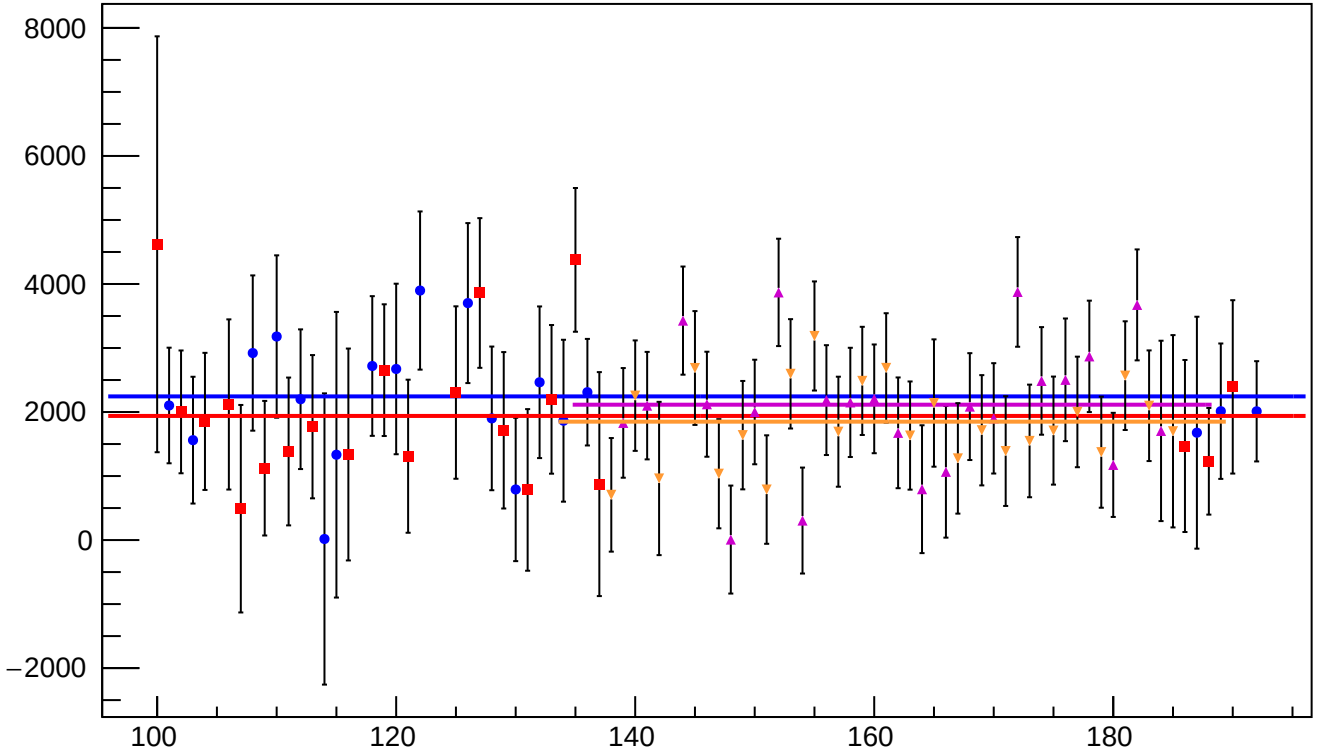
reg_asym_us_avg_mean vs Slug, Sign Corrected



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: 1938.855+/-263.089 χ^2/NDF: 13.0/20

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

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

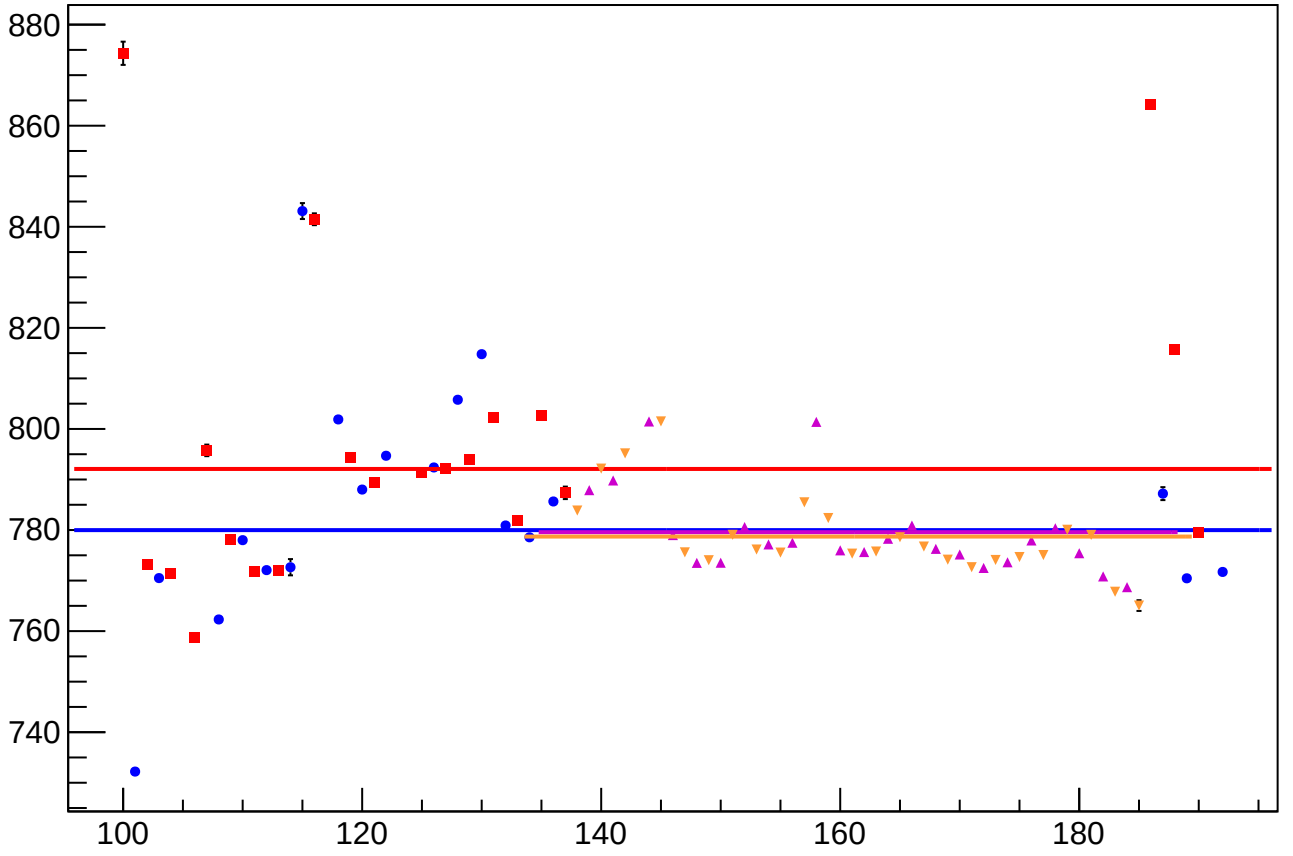
Right: 2092.729+/-185.272 χ^2/NDF: 21.8/39

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

Out: 1878.212+/-148.972 χ^2/NDF:25.9/44

All: 2017.248+/-105.453 χ^2/NDF: 67.0/86

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: 792.086+/-0.186 χ^2/NDF: 15520.8/20

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

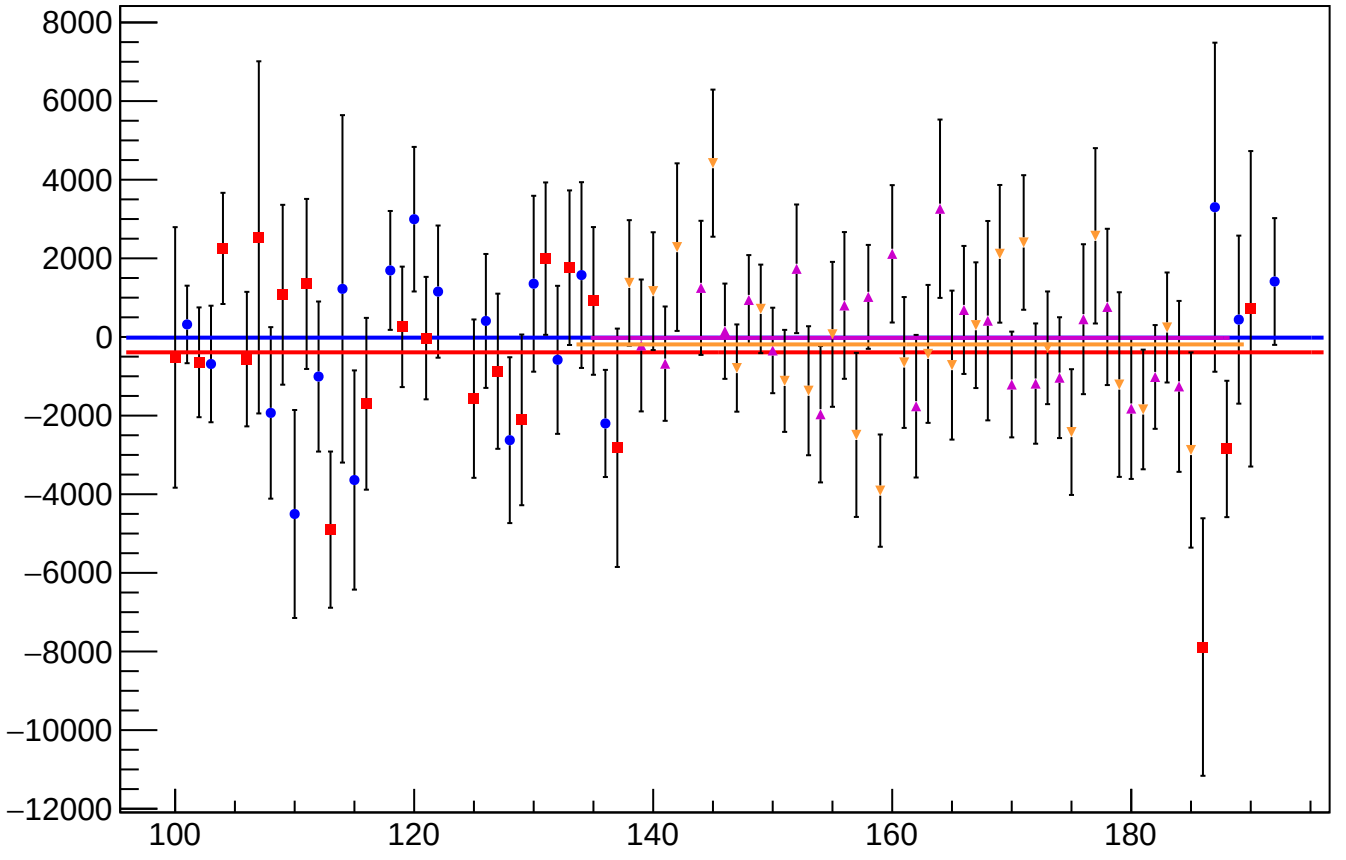
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 785.985+/-0.131 χ^2/NDF: 30457.2/39

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

Out: 782.998+/-0.105 χ^2/NDF:22423.5/44

All: 781.356+/-0.075 χ^2/NDF: 39888.9/86



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: -390.610+/-433.468 χ^2/NDF: 23.0/20

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

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

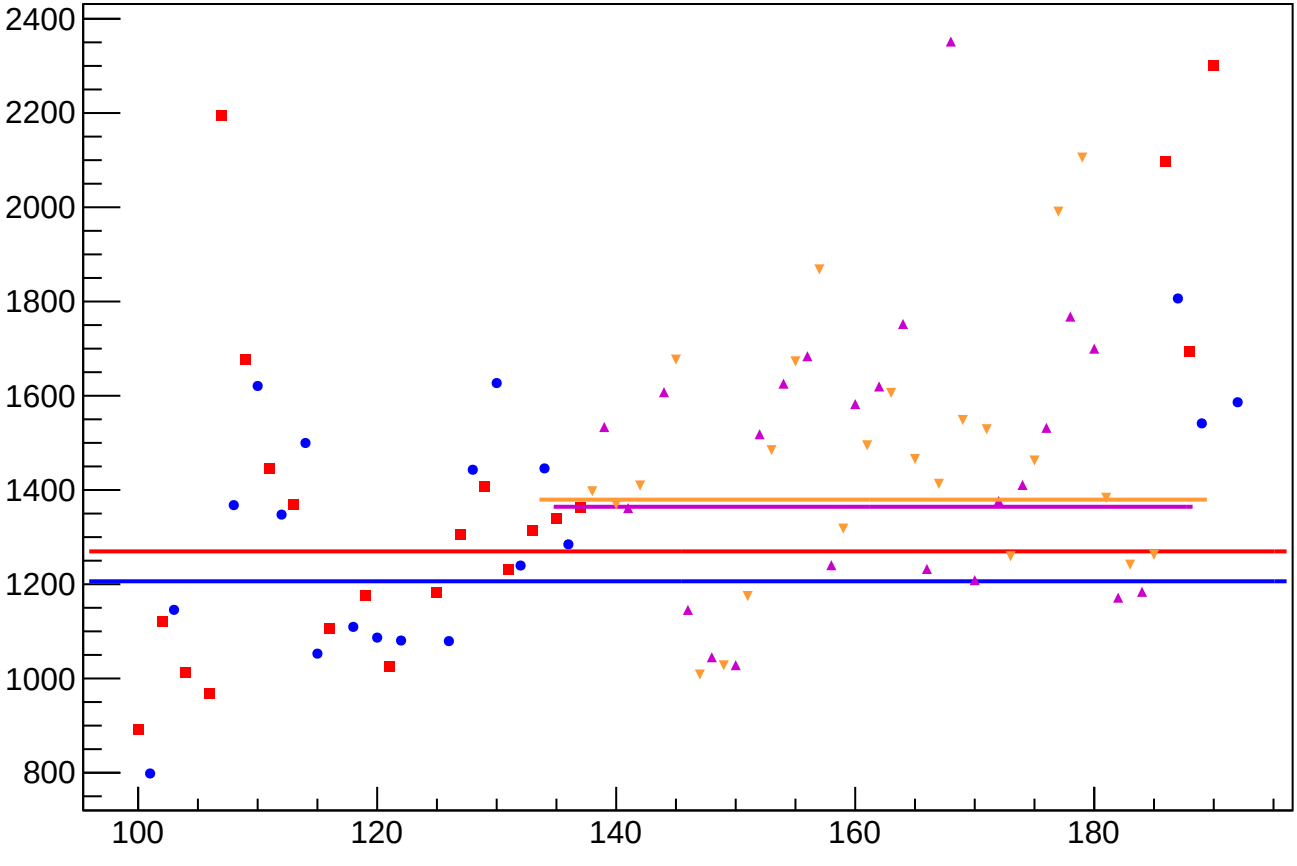
Right: -195.596+/-299.743 χ^2/NDF: 40.3/39

In: -21.137+/-256.254 χ^2/NDF:30.4/41

Out: -262.318+/-261.393 χ^2/NDF:52.7/44

All: -139.333+/-182.989 χ^2/NDF: 83.6/86

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: 1269.710+/-0.307 χ^2/NDF: 810855.1/20

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

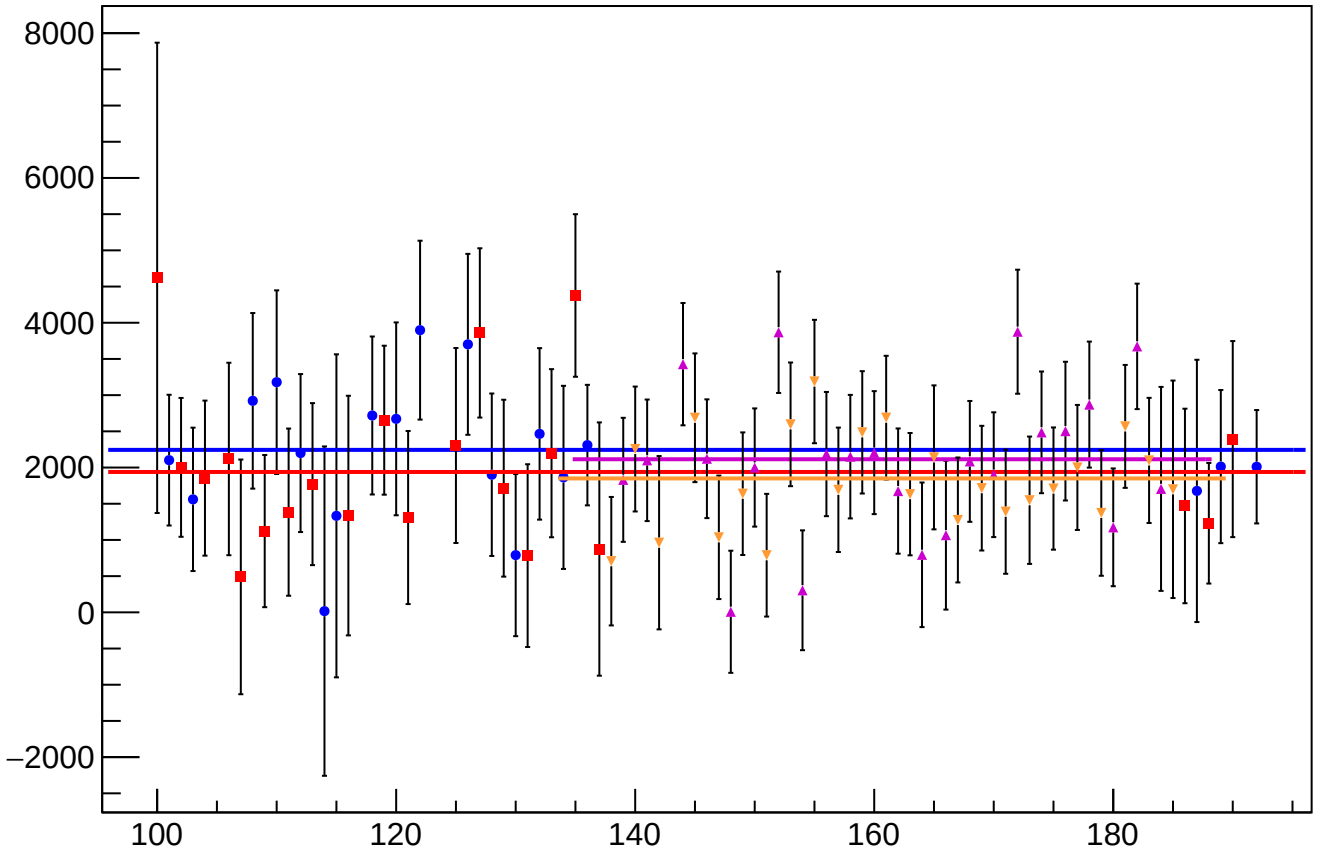
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1236.602+/-0.212 χ^2/NDF: 1628776.1/39

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

Out: 1339.599+/-0.185 χ^2/NDF:2051024.0/44

All: 1321.495+/-0.129 χ^2/NDF: 4357423.3/86



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: 1938.855+/-263.089 χ^2/NDF: 13.0/20

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

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

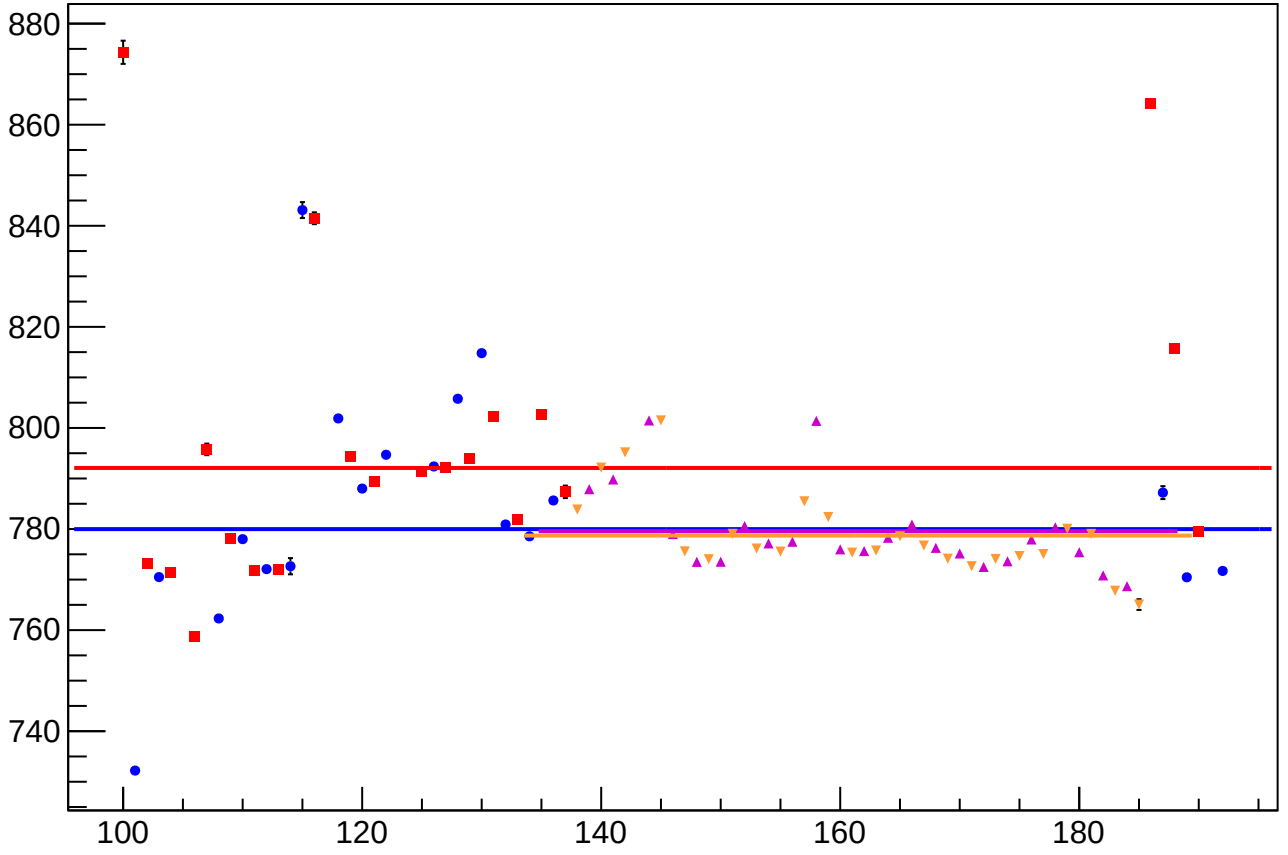
Right: 2092.729+/-185.272 χ^2/NDF: 21.8/39

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

Out: 1878.212+/-148.972 χ^2/NDF:25.9/44

All: 2017.248+/-105.453 χ^2/NDF: 67.0/86

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: 792.086+/-0.186 χ^2/NDF: 15520.8/20

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

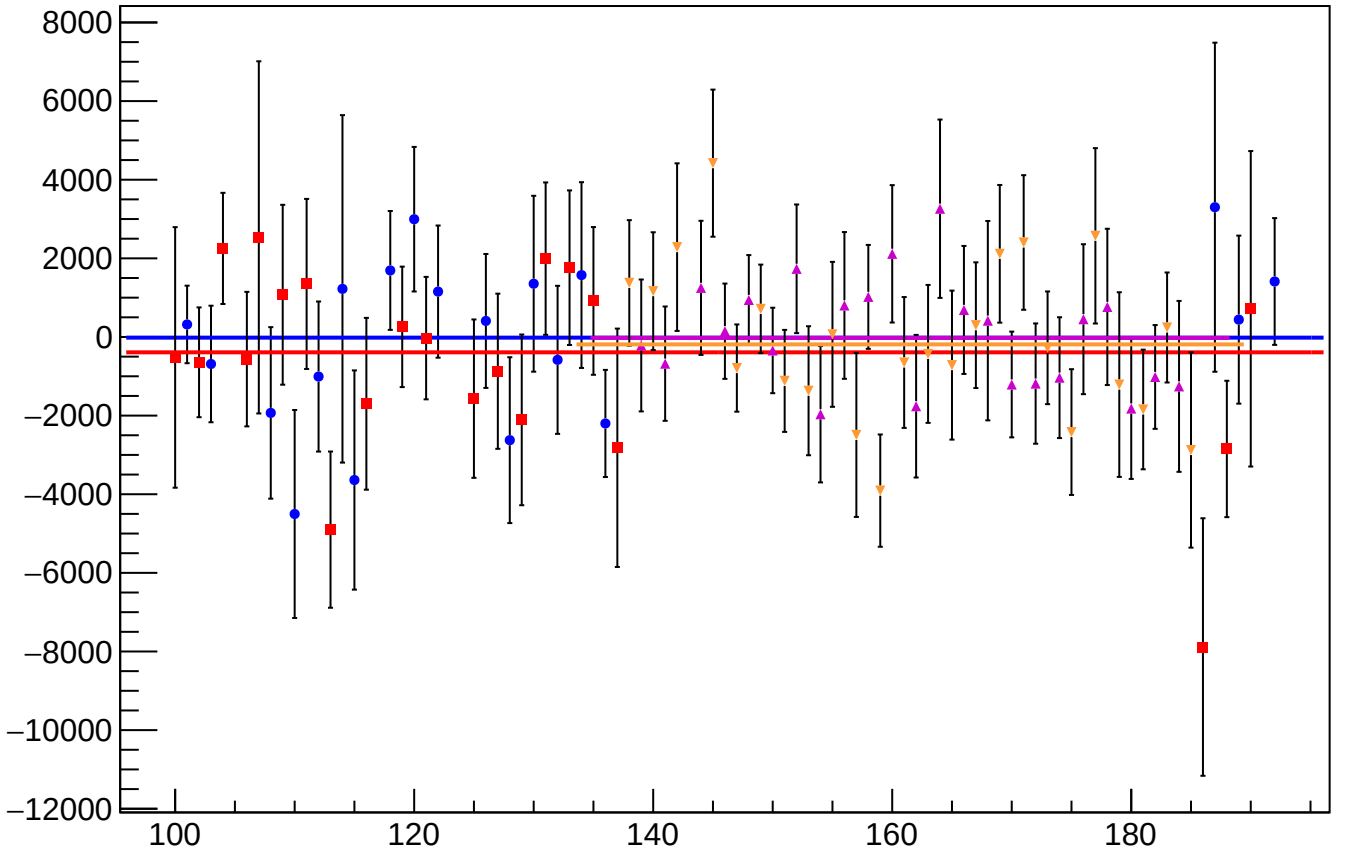
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 785.985+/-0.131 χ^2/NDF: 30457.2/39

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

Out: 782.998+/-0.105 χ^2/NDF:22423.5/44

All: 781.356+/-0.075 χ^2/NDF: 39888.9/86



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: -390.610+/-433.468 χ^2/NDF: 23.0/20

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

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

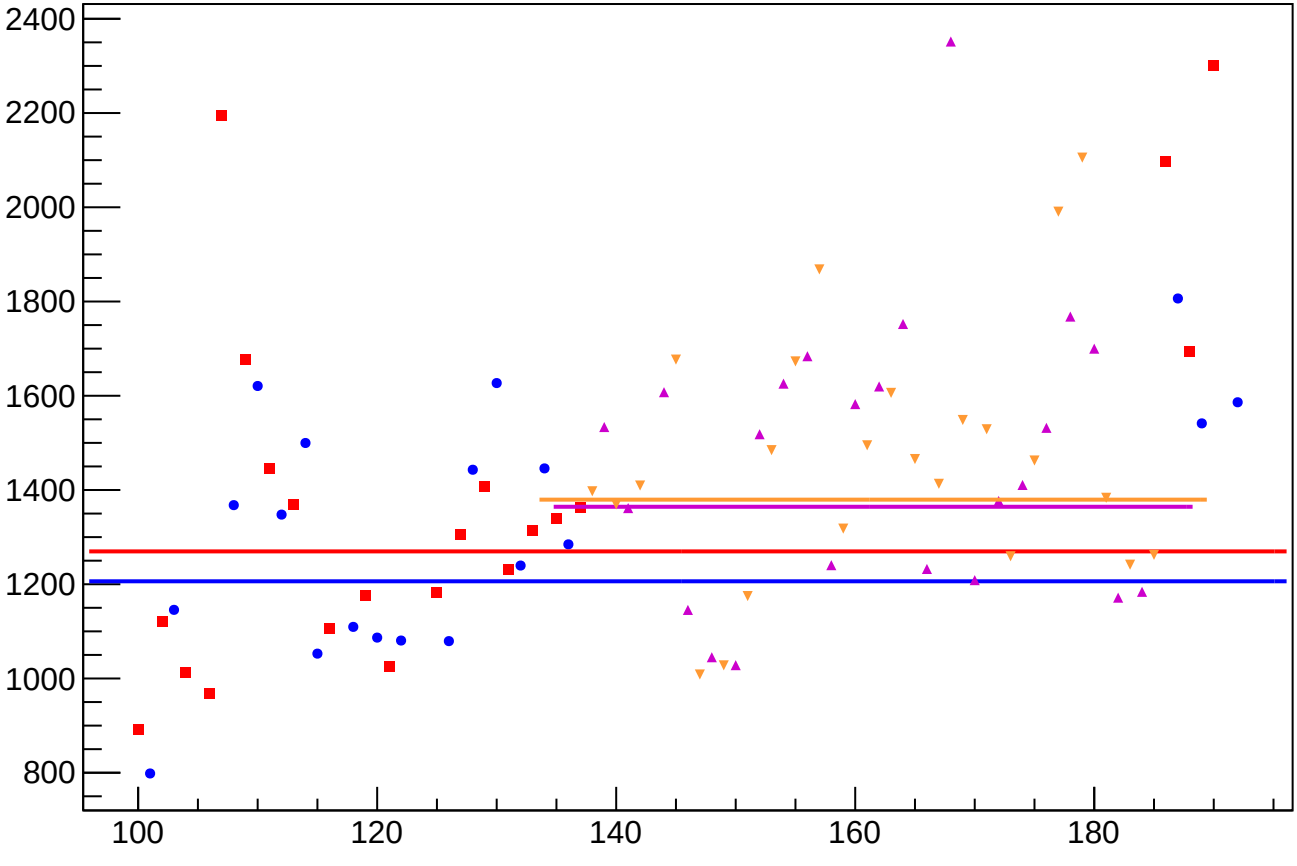
Right: -195.596+/-299.743 χ^2/NDF: 40.3/39

In: -21.137+/-256.254 χ^2/NDF:30.4/41

Out: -262.318+/-261.393 χ^2/NDF:52.7/44

All: -139.333+/-182.989 χ^2/NDF: 83.6/86

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: 1269.710+/-0.307 χ^2/NDF: 810855.1/20

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

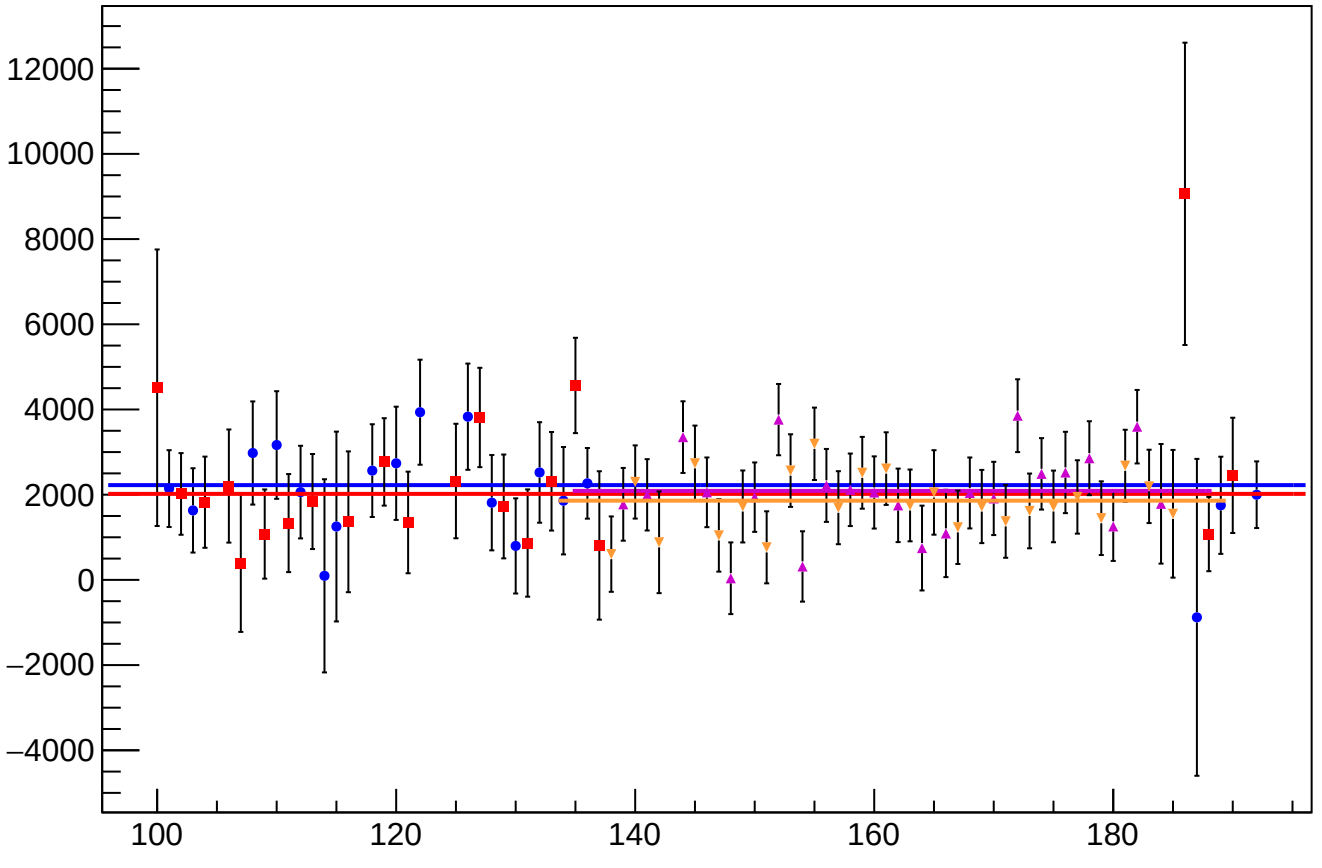
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1236.602+/-0.212 χ^2/NDF: 1628776.1/39

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

Out: 1339.599+/-0.185 χ^2/NDF:2051024.0/44

All: 1321.495+/-0.129 χ^2/NDF: 4357423.3/86



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: 2018.784+/-268.170 χ^2/NDF: 18.1/20

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

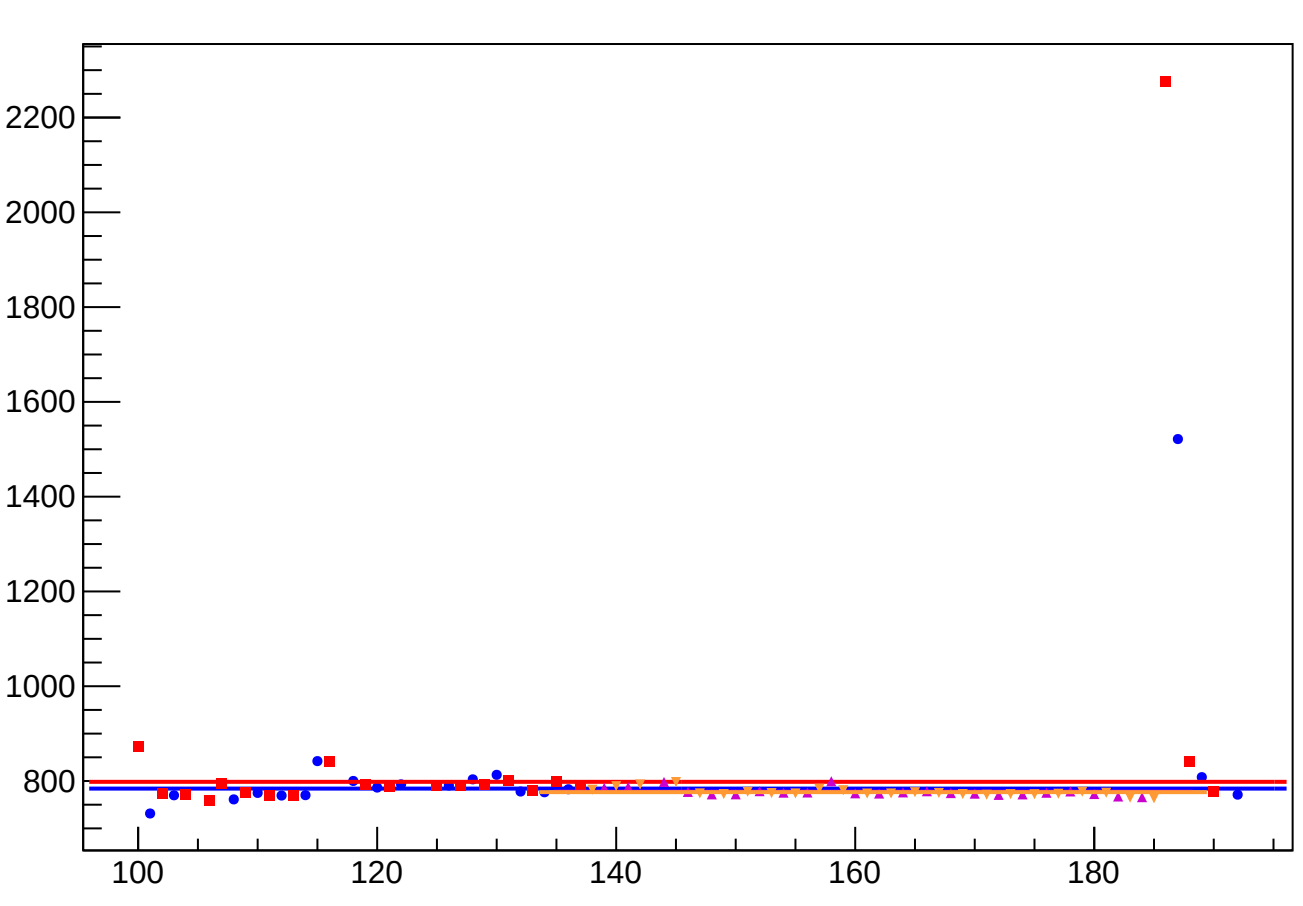
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2123.431+/-187.996 χ^2/NDF: 27.5/39

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

Out: 1909.080+/-149.586 χ^2/NDF:31.9/44

All: 2021.066+/-105.746 χ^2/NDF: 71.9/86



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: 798.259+/-0.190 χ^2/NDF: 363743.6/20

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

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

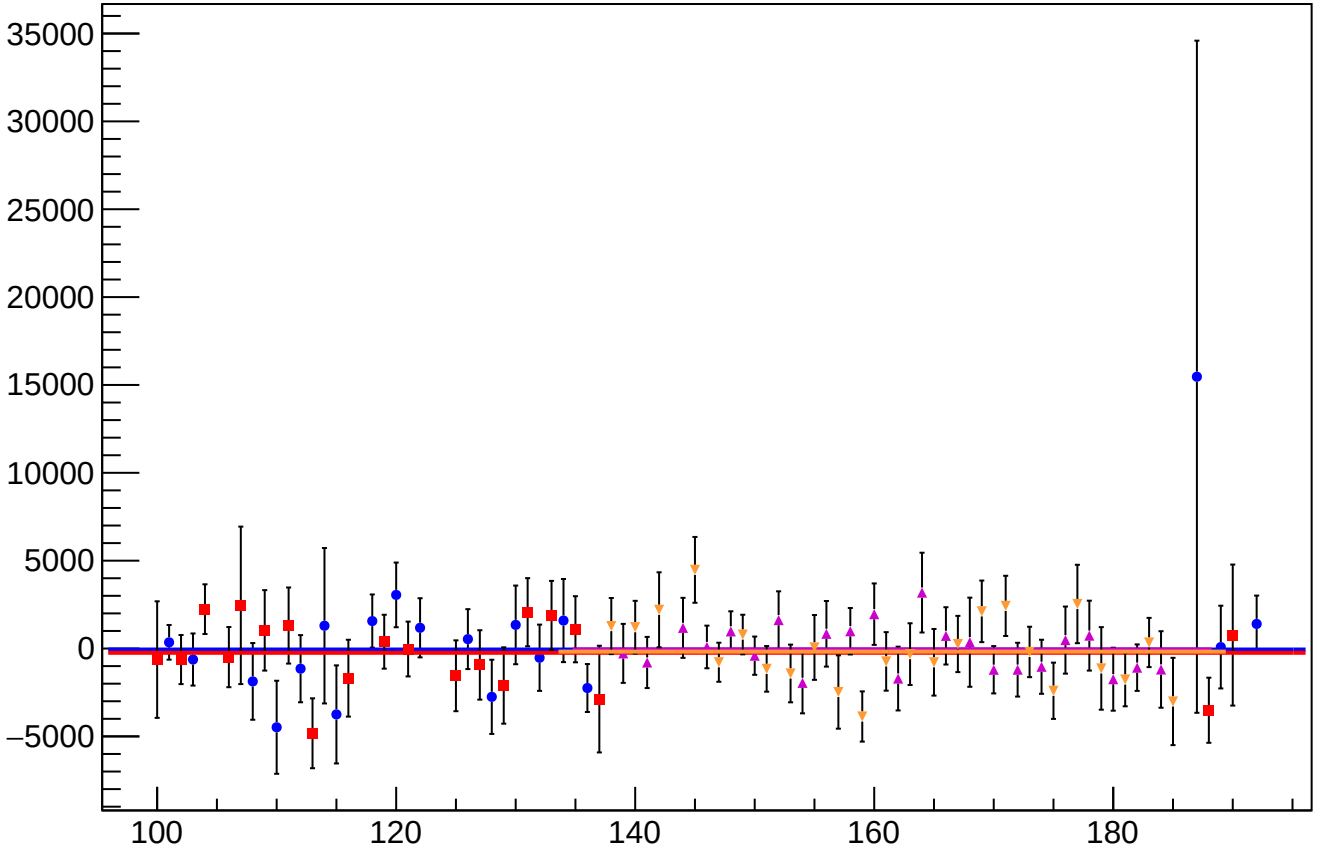
Right: 791.000+/-0.133 χ^2/NDF: 459186.2/39

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

Out: 783.286+/-0.106 χ^2/NDF:375931.6/44

All: 781.405+/-0.075 χ^2/NDF: 474029.8/86

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: -242.505+/-439.405 χ^2/NDF: 18.6/19

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

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

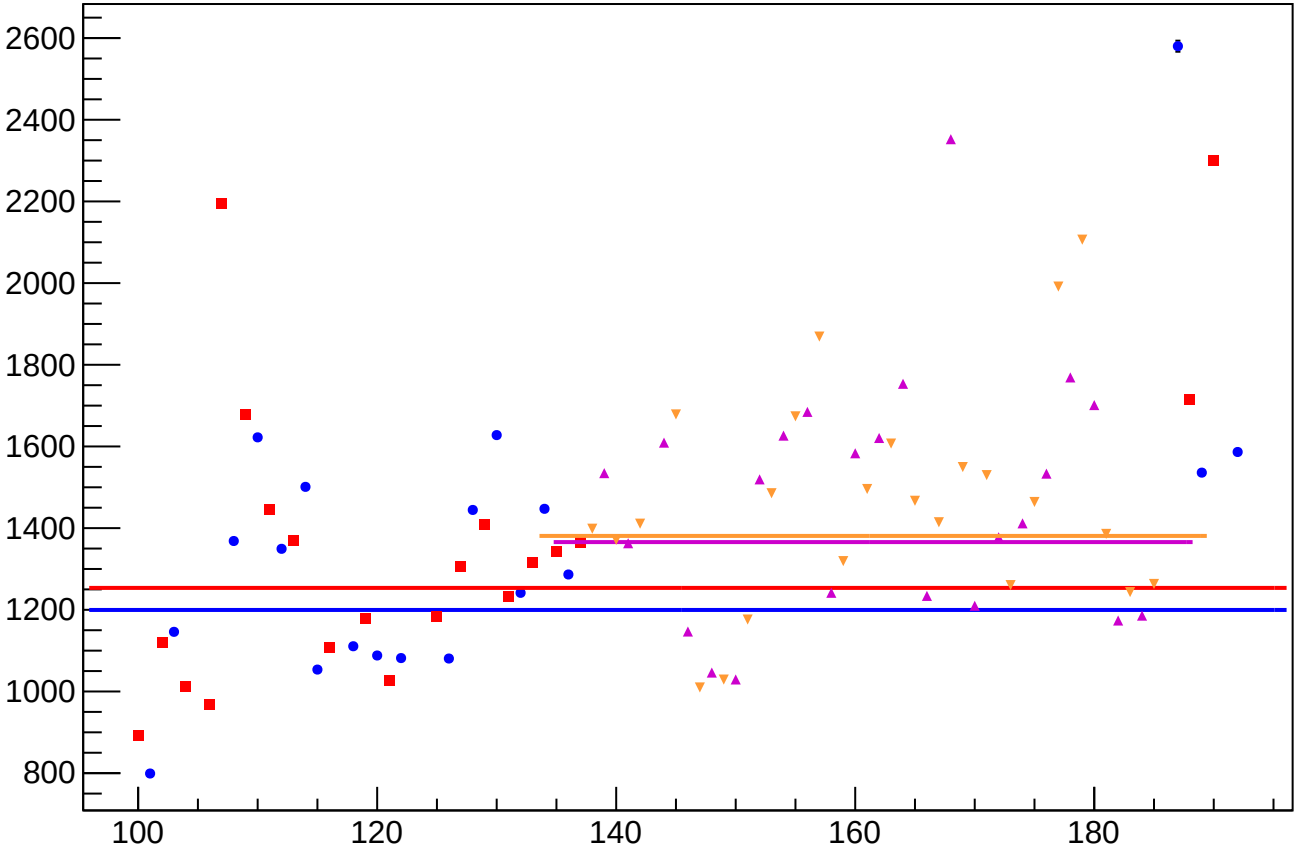
Right: -144.872+/-303.115 χ^2/NDF: 36.0/38

In: -54.108+/-257.283 χ^2/NDF:30.2/41

Out: -199.110+/-262.841 χ^2/NDF:48.2/43

All: -125.060+/-183.860 χ^2/NDF: 78.6/85

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: 1253.649+/-0.311 χ^2/NDF: 674416.0/19

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

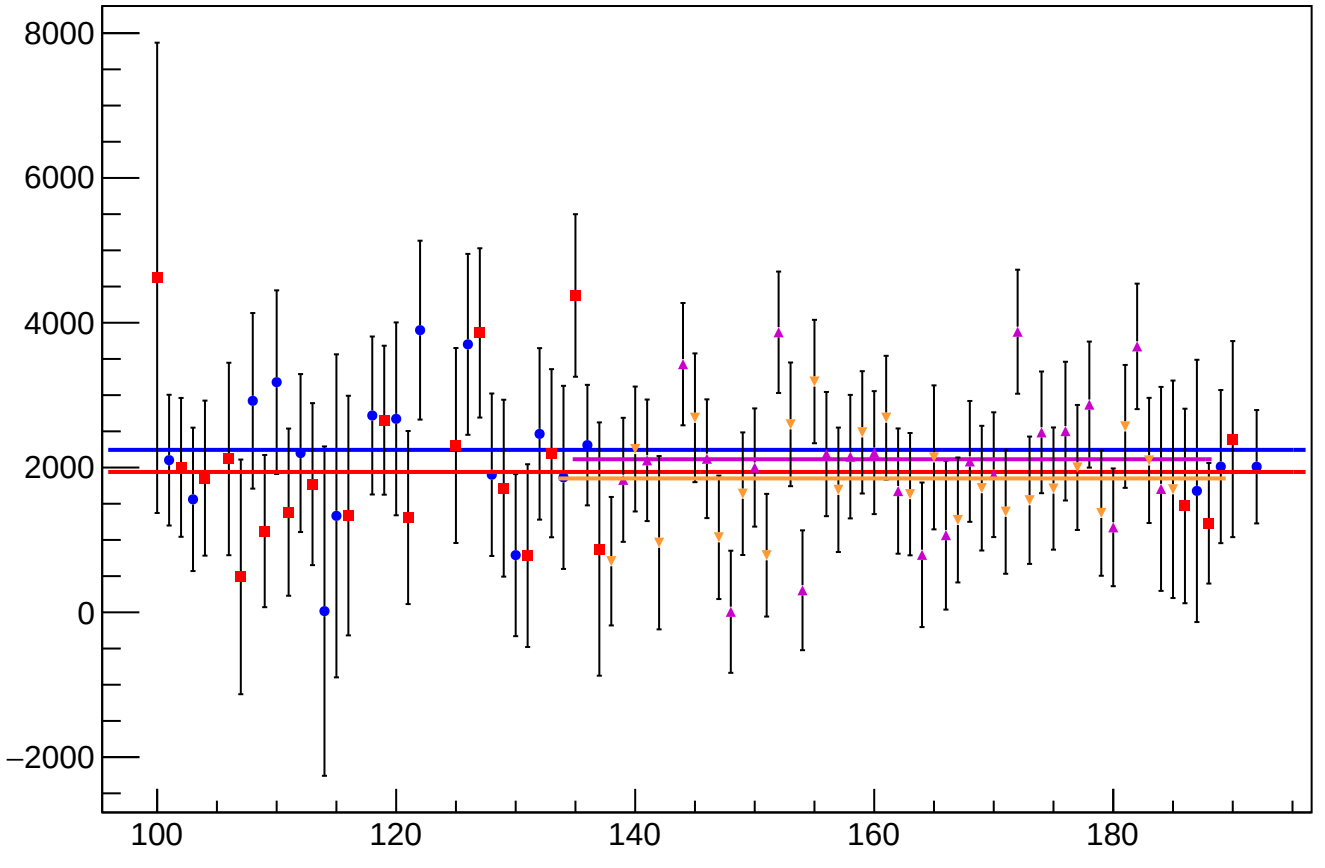
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1225.343+/-0.214 χ^2/NDF: 1443429.2/38

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

Out: 1335.401+/-0.186 χ^2/NDF:1937659.6/43

All: 1318.887+/-0.130 χ^2/NDF: 4211227.2/85



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: 1938.855+/-263.089 χ^2/NDF: 13.0/20

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

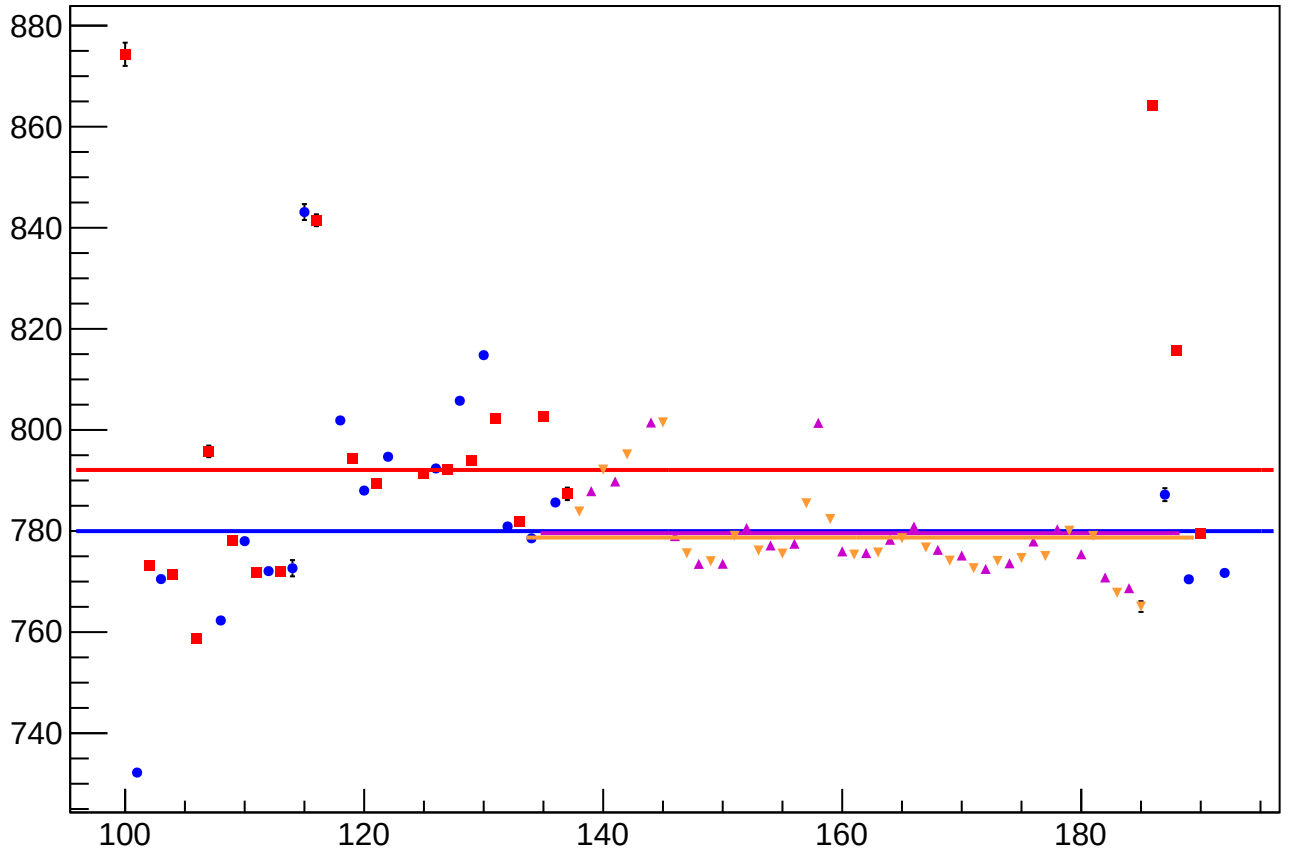
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2092.729+/-185.272 χ^2/NDF: 21.8/39

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

Out: 1878.212+/-148.972 χ^2/NDF:25.9/44

All: 2017.248+/-105.453 χ^2/NDF: 67.0/86



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: 792.086+/-0.186 χ^2/NDF: 15520.8/20

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

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

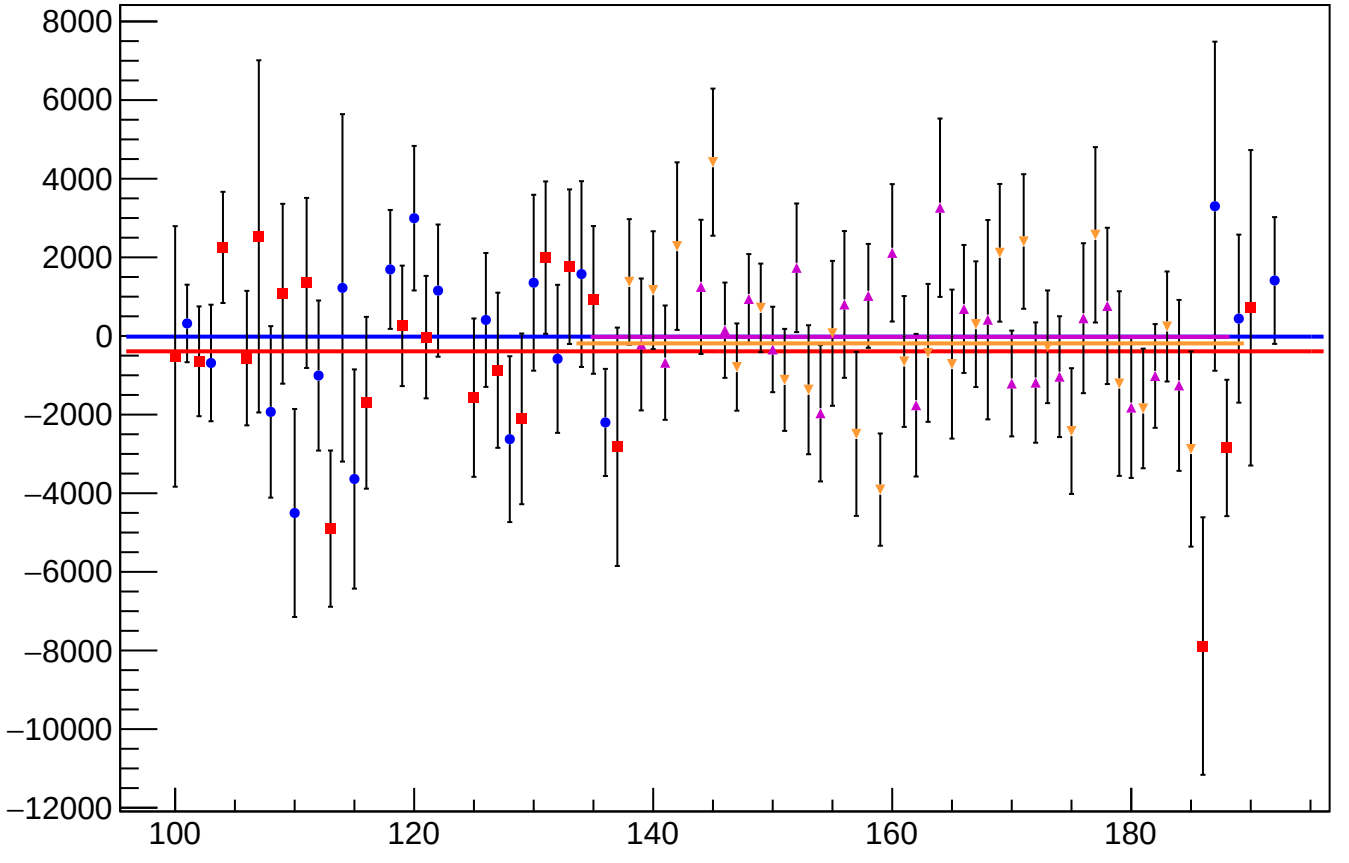
Right: 785.985+/-0.131 χ^2/NDF: 30457.2/39

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

Out: 782.998+/-0.105 χ^2/NDF:22423.5/44

All: 781.356+/-0.075 χ^2/NDF: 39888.9/86

asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -390.610+/-433.468 χ^2/NDF: 23.0/20

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

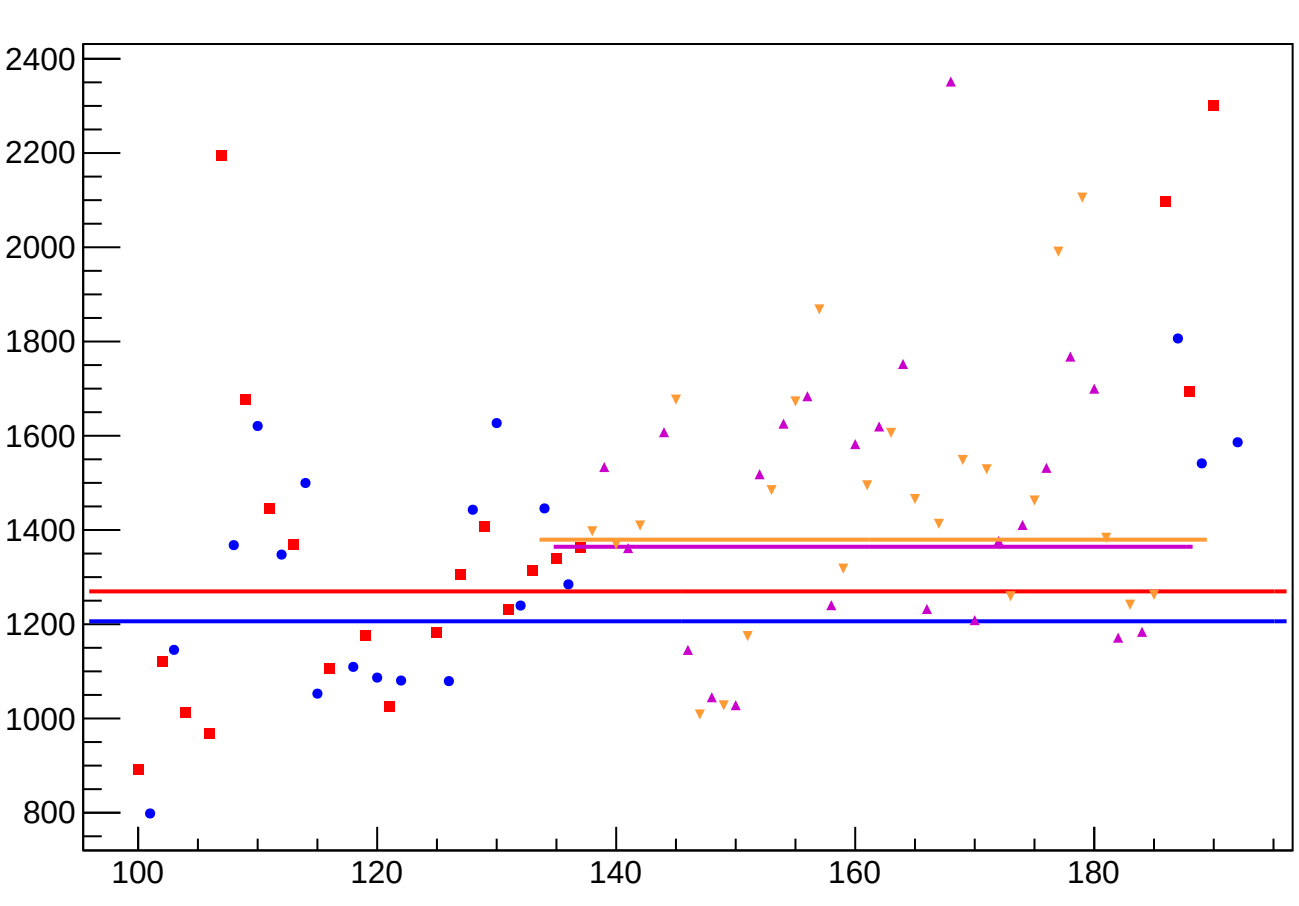
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -195.596+/-299.743 χ^2/NDF: 40.3/39

In: -21.137+/-256.254 χ^2/NDF:30.4/41

Out: -262.318+/-261.393 χ^2/NDF:52.7/44

All: -139.333+/-182.989 χ^2/NDF: 83.6/86



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: 1269.710+/-0.307 χ^2/NDF: 810855.1/20

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

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

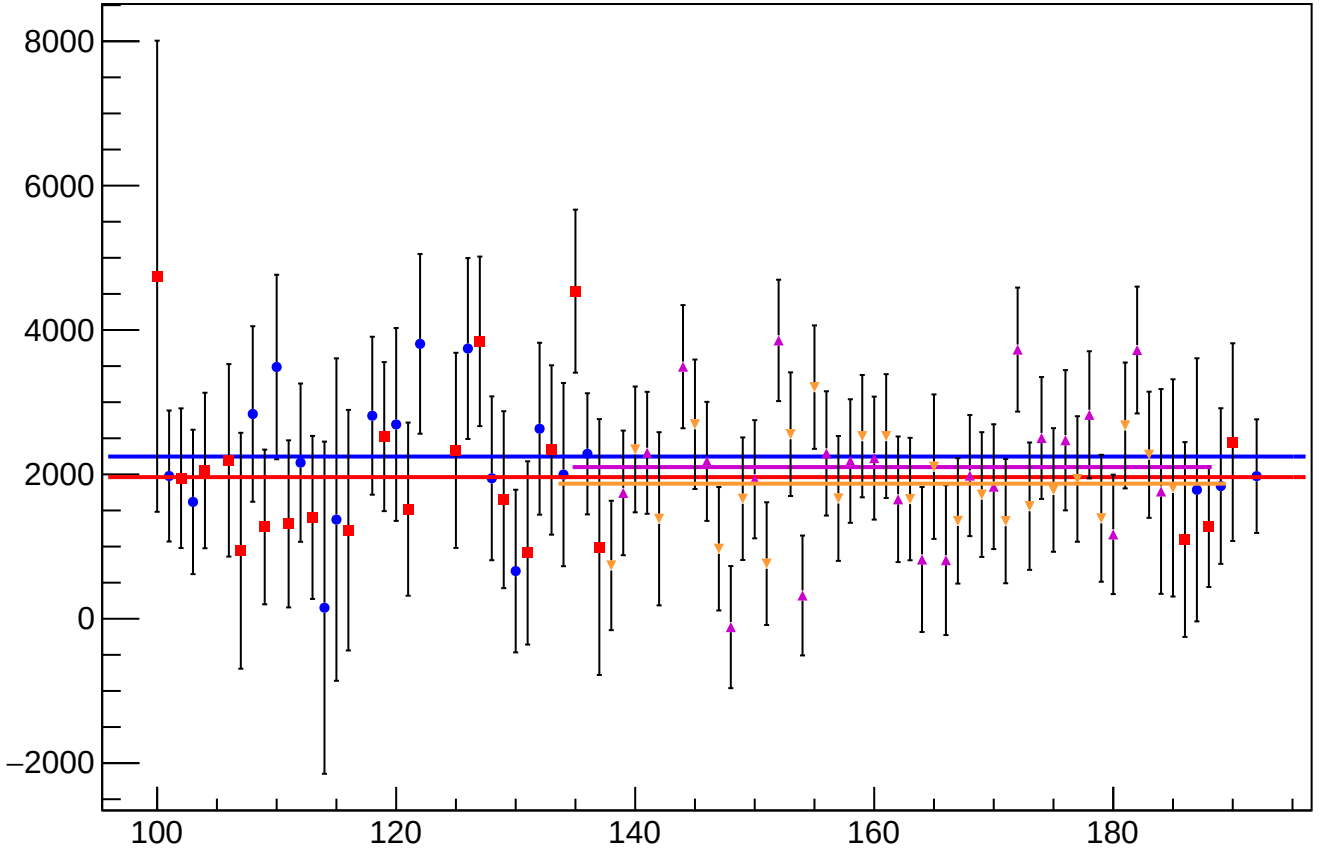
Right: 1236.602+/-0.212 χ^2/NDF: 1628776.1/39

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

Out: 1339.599+/-0.185 χ^2/NDF:2051024.0/44

All: 1321.495+/-0.129 χ^2/NDF: 4357423.3/86

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: 1961.897+/-264.820 χ^2/NDF: 13.0/20

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

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

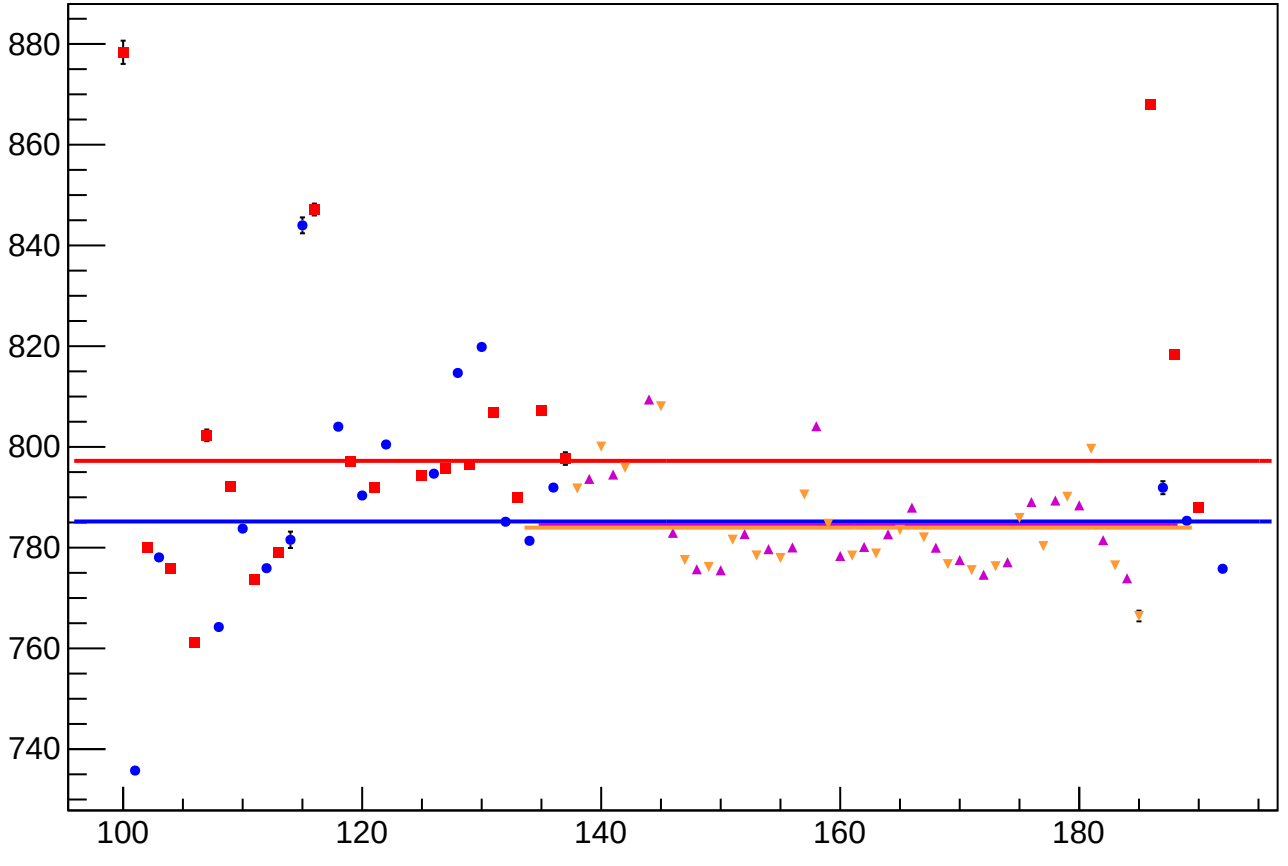
Right: 2105.645+/-186.505 χ^2/NDF: 22.1/39

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

Out: 1900.466+/-149.979 χ^2/NDF:25.5/44

All: 2024.416+/-106.150 χ^2/NDF: 67.4/86

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: 797.230+/-0.187 χ^2/NDF: 14600.0/20

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

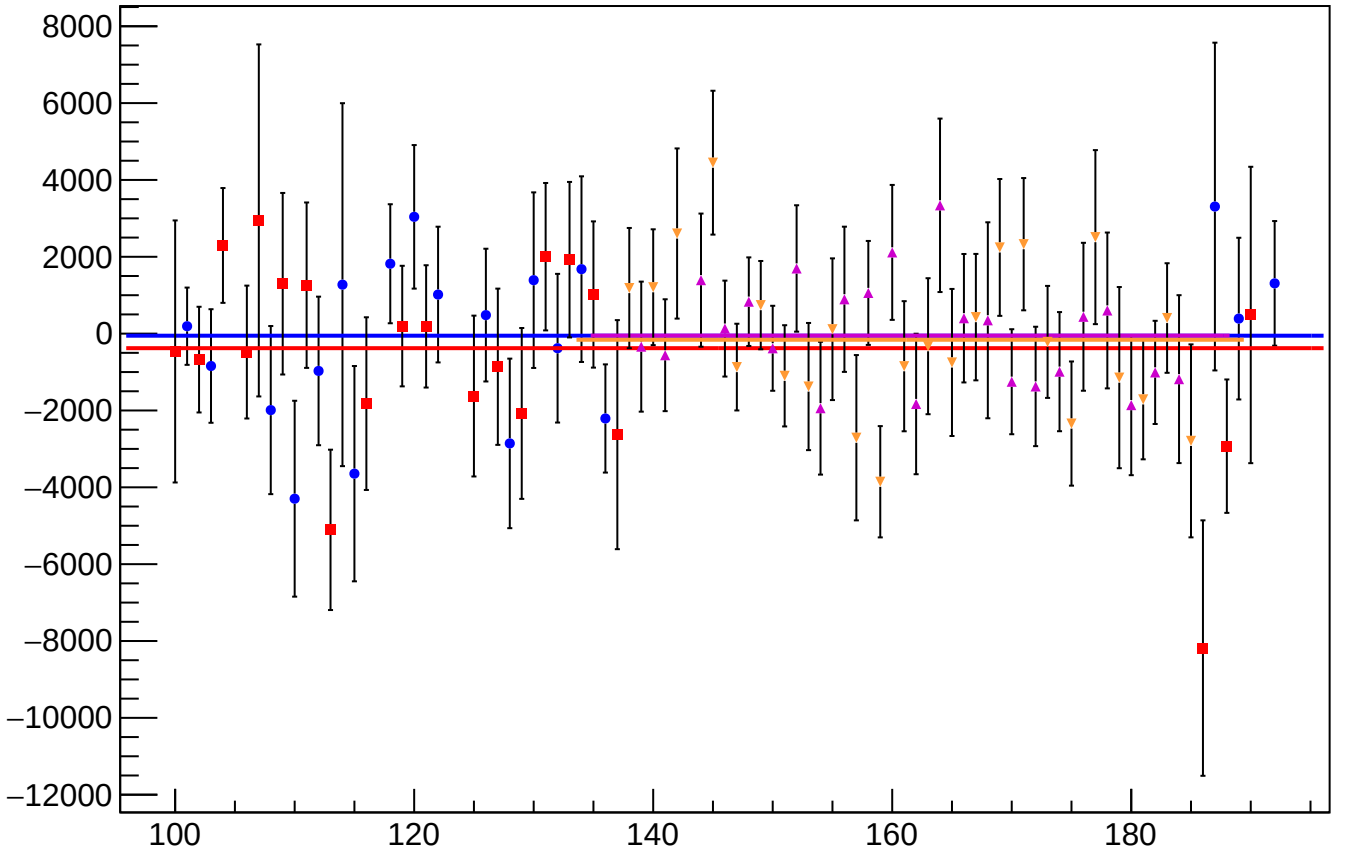
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 791.166+/-0.132 χ^2/NDF: 29592.9/39

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

Out: 788.231+/-0.106 χ^2/NDF:22928.3/44

All: 786.474+/-0.075 χ^2/NDF: 41328.4/86



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: -378.497+/-441.309 χ^2/NDF: 23.3/20

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

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

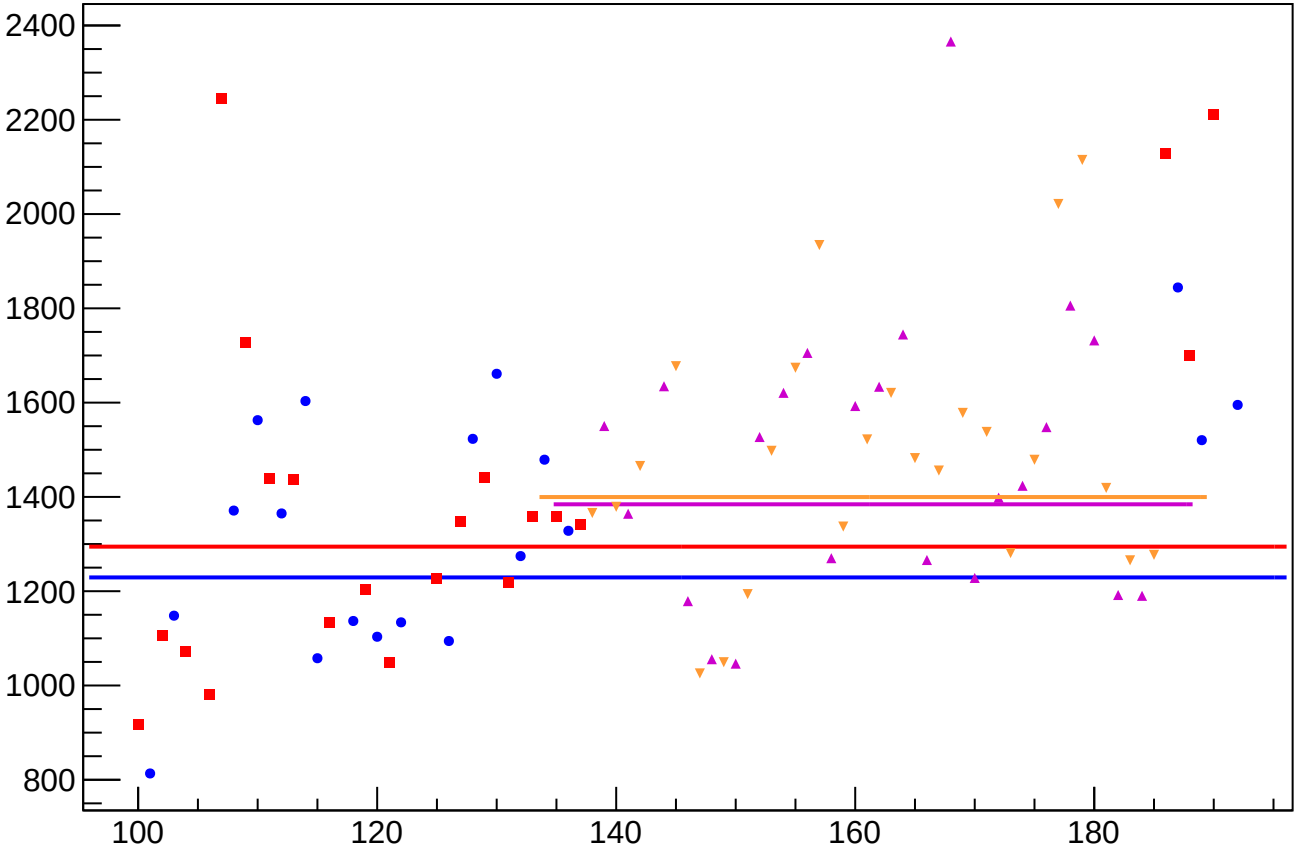
Right: -209.006+/-305.079 χ^2/NDF: 40.4/39

In: -52.691+/-260.106 χ^2/NDF:30.2/41

Out: -238.563+/-265.403 χ^2/NDF:52.6/44

All: -143.754+/-185.767 χ^2/NDF: 83.0/86

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: 1294.516+/-0.312 χ^2/NDF: 776017.8/20

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

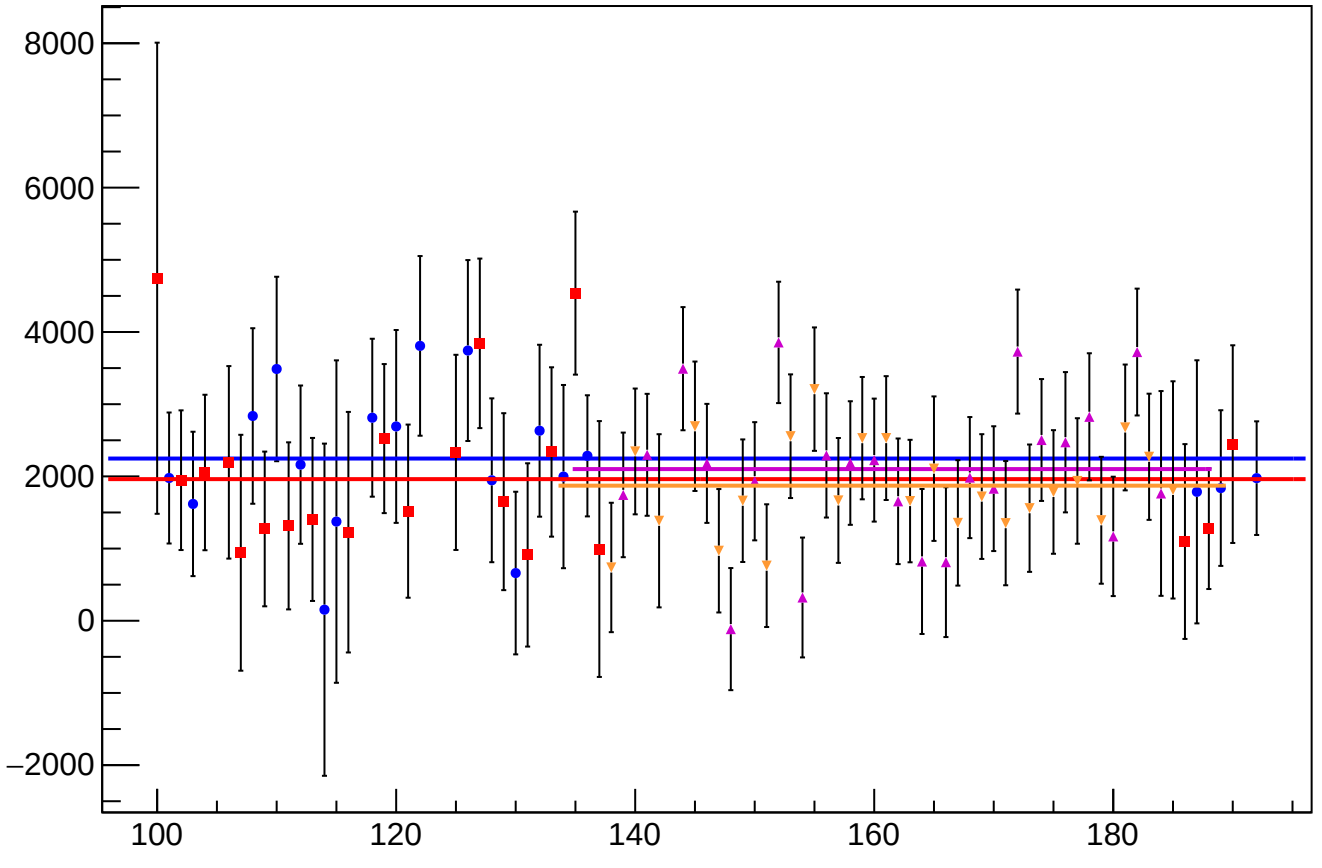
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1260.434+/-0.216 χ^2/NDF: 1574707.0/39

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

Out: 1361.668+/-0.188 χ^2/NDF:1984915.3/44

All: 1343.205+/-0.131 χ^2/NDF: 4217121.7/86



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: 1961.895+/-264.819 χ^2/NDF: 13.0/20

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

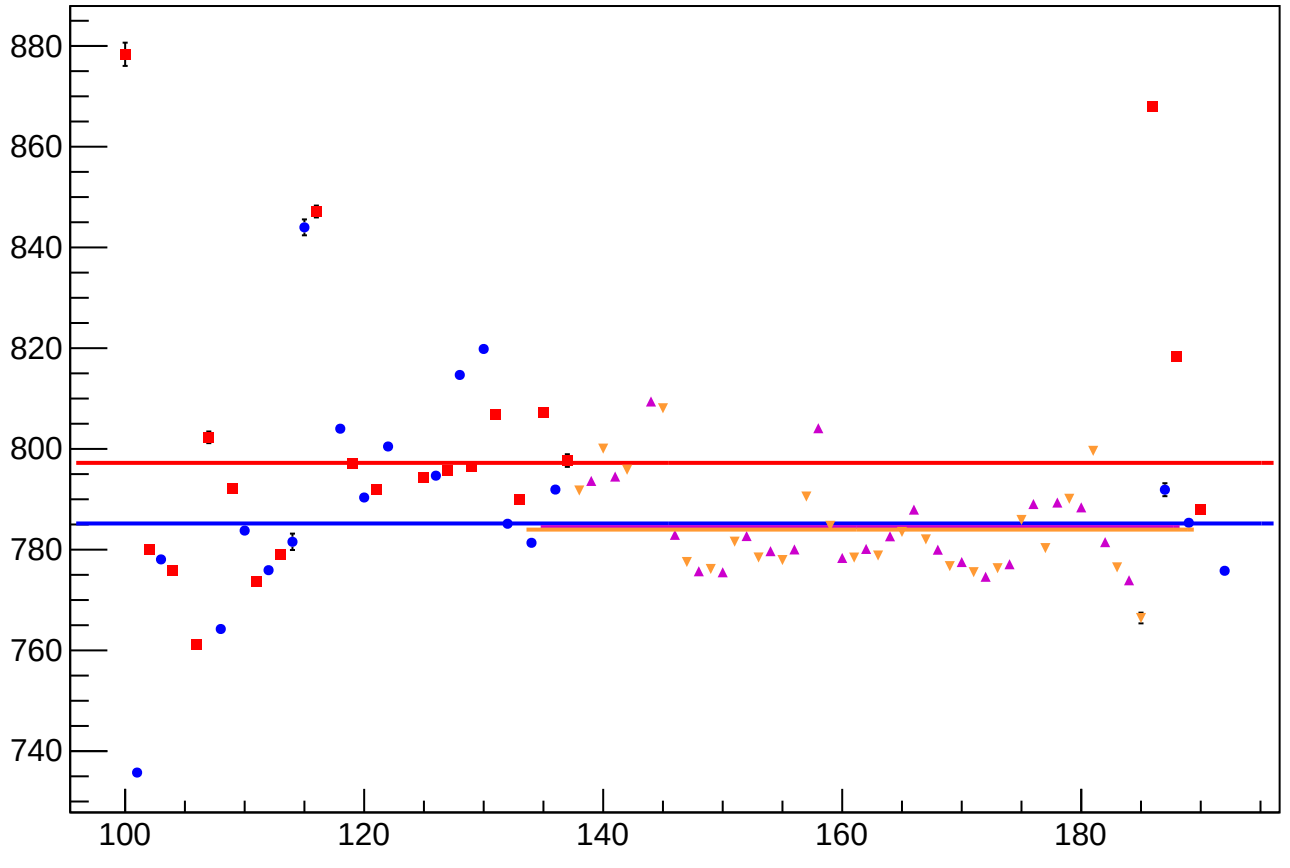
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2105.644+/-186.505 χ^2/NDF: 22.1/39

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

Out: 1900.463+/-149.979 χ^2/NDF:25.5/44

All: 2024.415+/-106.150 χ^2/NDF: 67.4/86



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: 797.230+/-0.187 χ^2/NDF: 14600.0/20

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

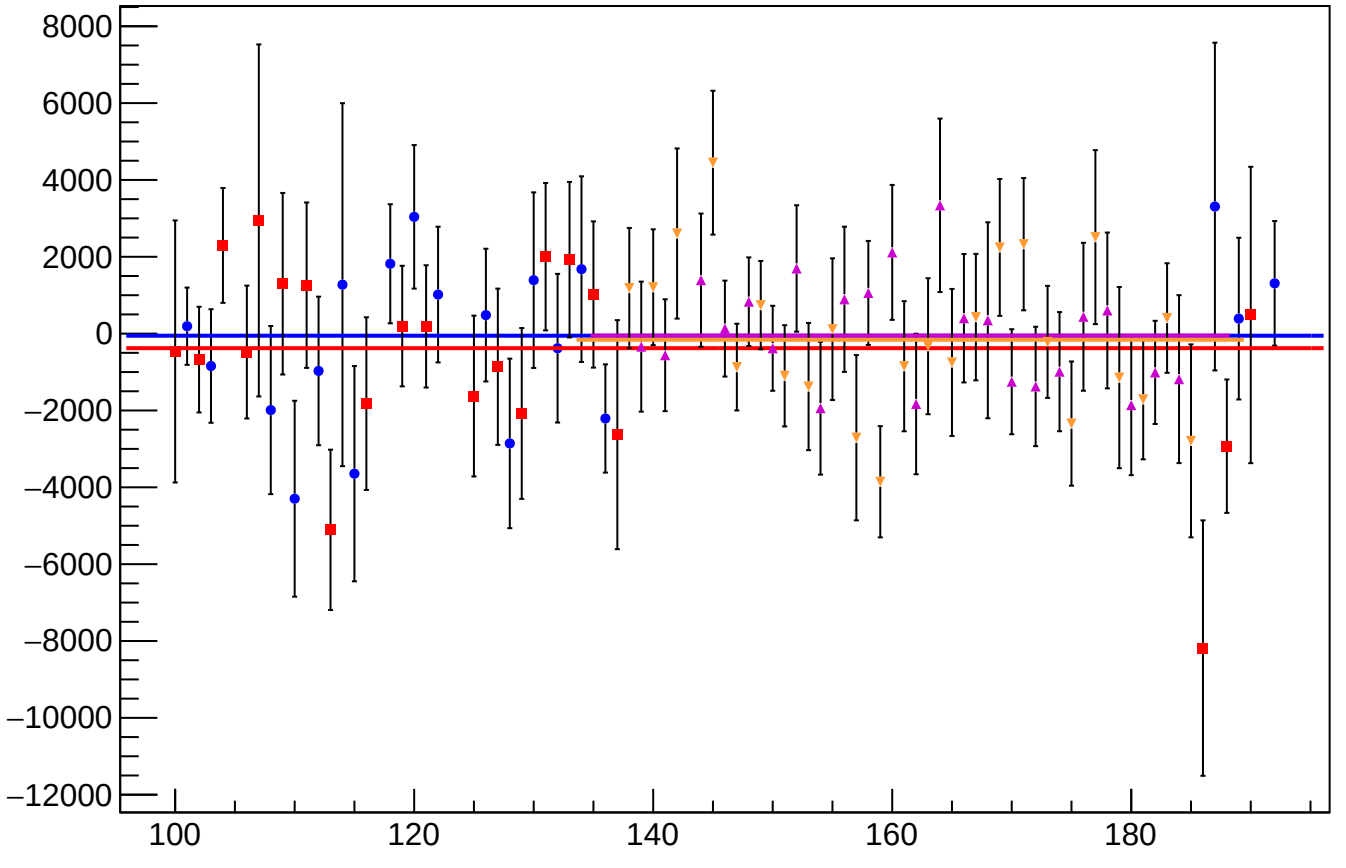
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 791.166+/-0.132 χ^2/NDF: 29592.9/39

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

Out: 788.231+/-0.106 χ^2/NDF:22928.2/44

All: 786.474+/-0.075 χ^2/NDF: 41328.3/86



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: -378.495+/-441.308 χ^2/NDF: 23.3/20

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

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

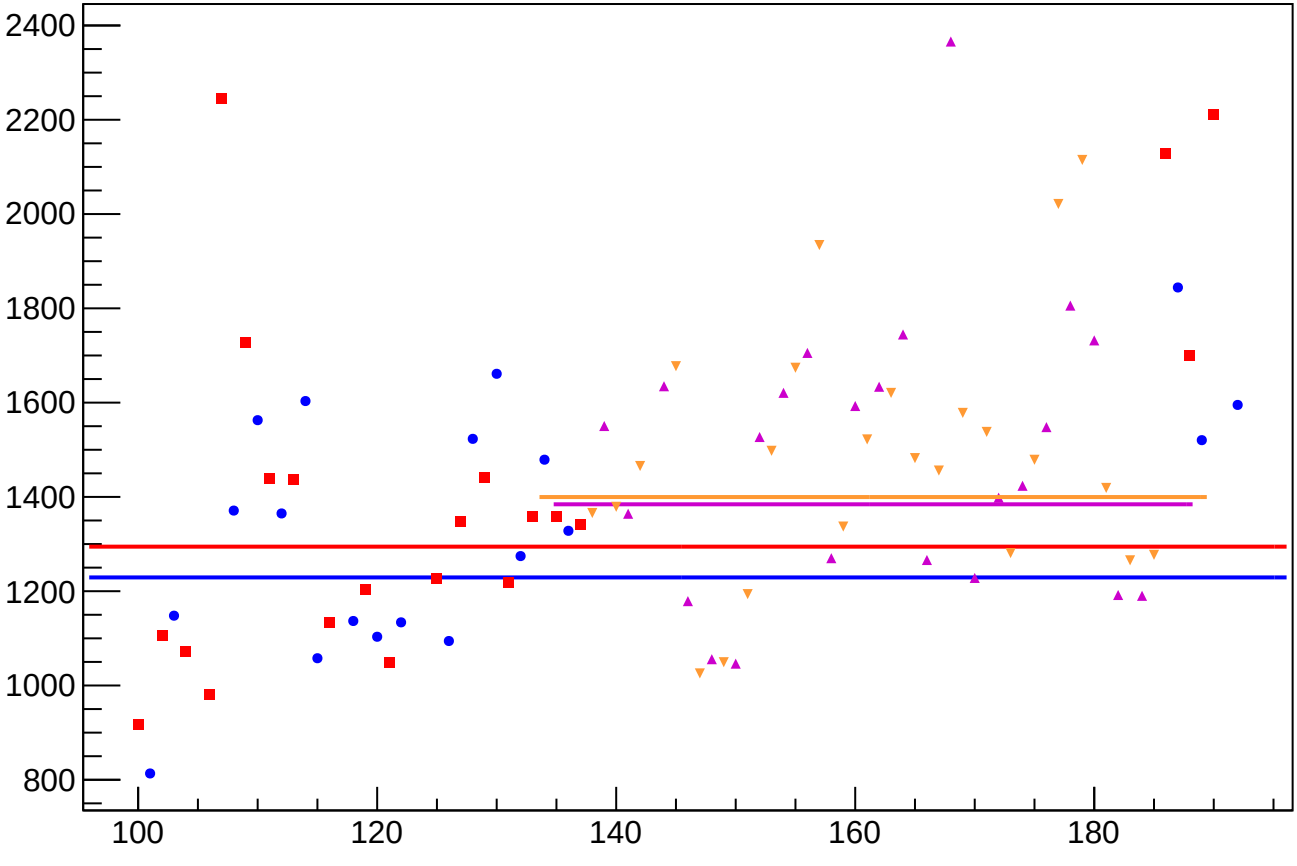
Right: -209.005+/-305.079 χ^2/NDF: 40.4/39

In: -52.691+/-260.106 χ^2/NDF:30.2/41

Out: -238.565+/-265.403 χ^2/NDF:52.6/44

All: -143.755+/-185.767 χ^2/NDF: 83.0/86

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: 1294.513+/-0.312 χ^2/NDF: 776021.5/20

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

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

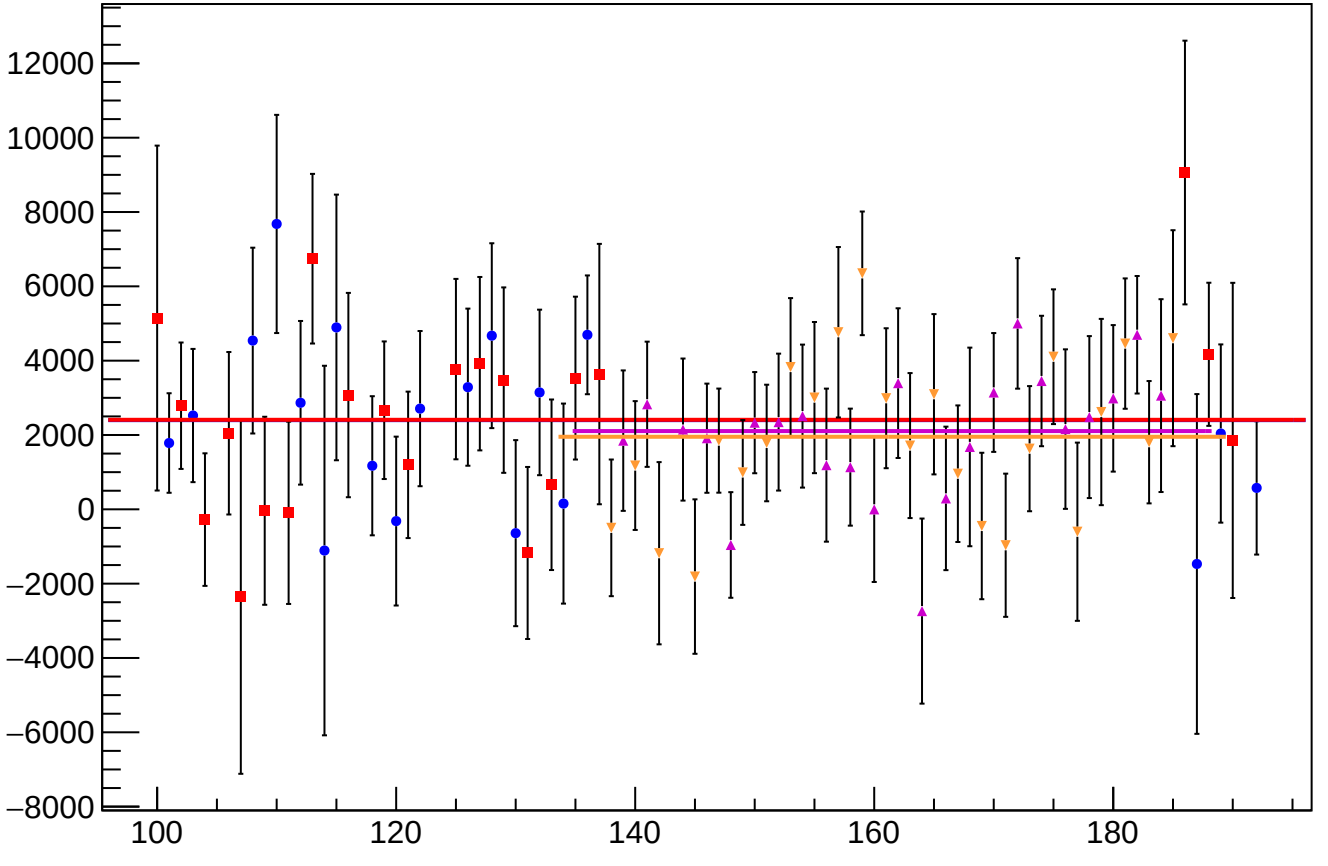
Right: 1260.431+/-0.216 χ^2/NDF: 1574710.7/39

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

Out: 1361.668+/-0.188 χ^2/NDF:1984928.4/44

All: 1343.205+/-0.131 χ^2/NDF: 4217147.6/86

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: 2408.792+/-517.022 χ^2/NDF: 18.4/20

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

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

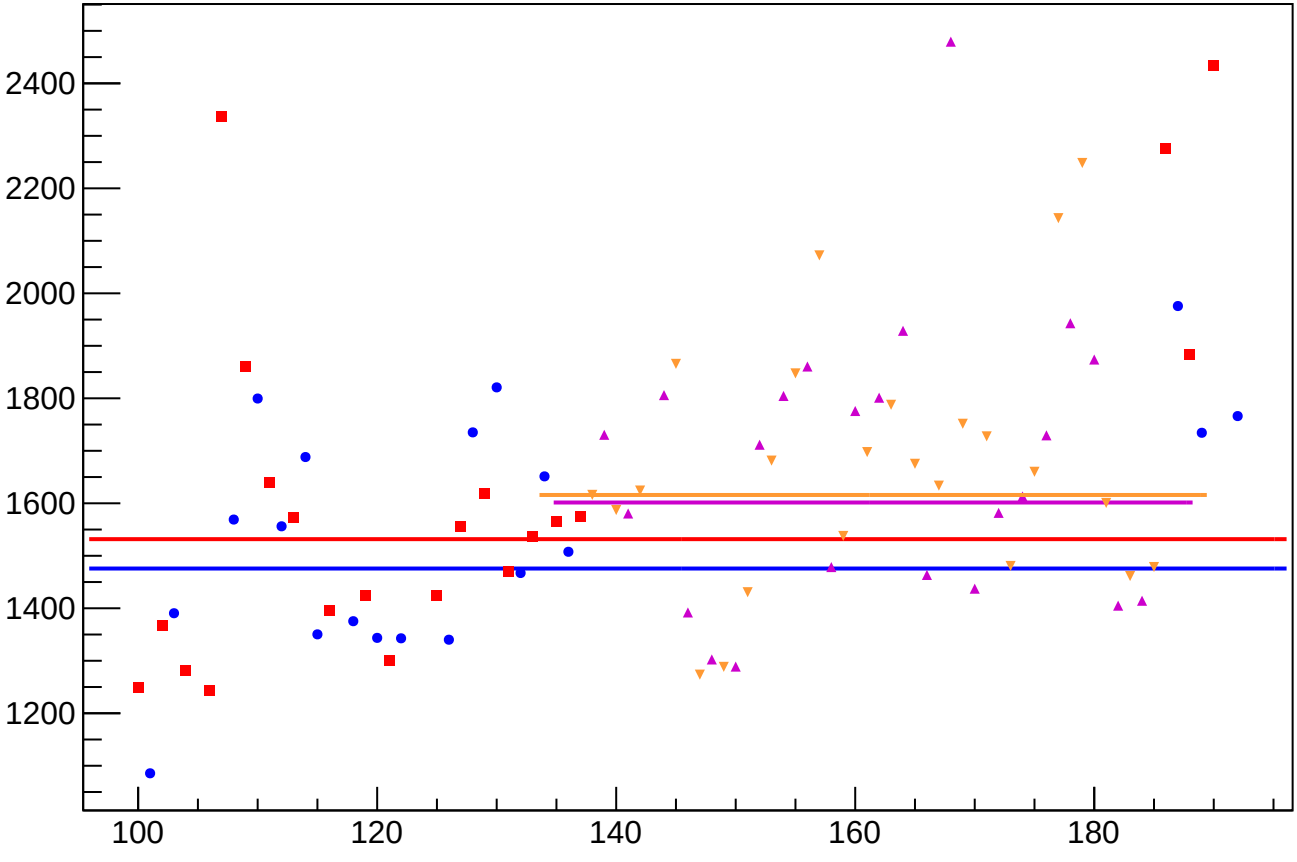
Right: 2404.071+/-359.724 χ^2/NDF: 32.6/39

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

Out: 2112.622+/-306.334 χ^2/NDF:46.3/44

All: 2163.270+/-215.150 χ^2/NDF: 79.3/86

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: 1531.689+/-0.366 χ^2/NDF: 487850.2/20

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

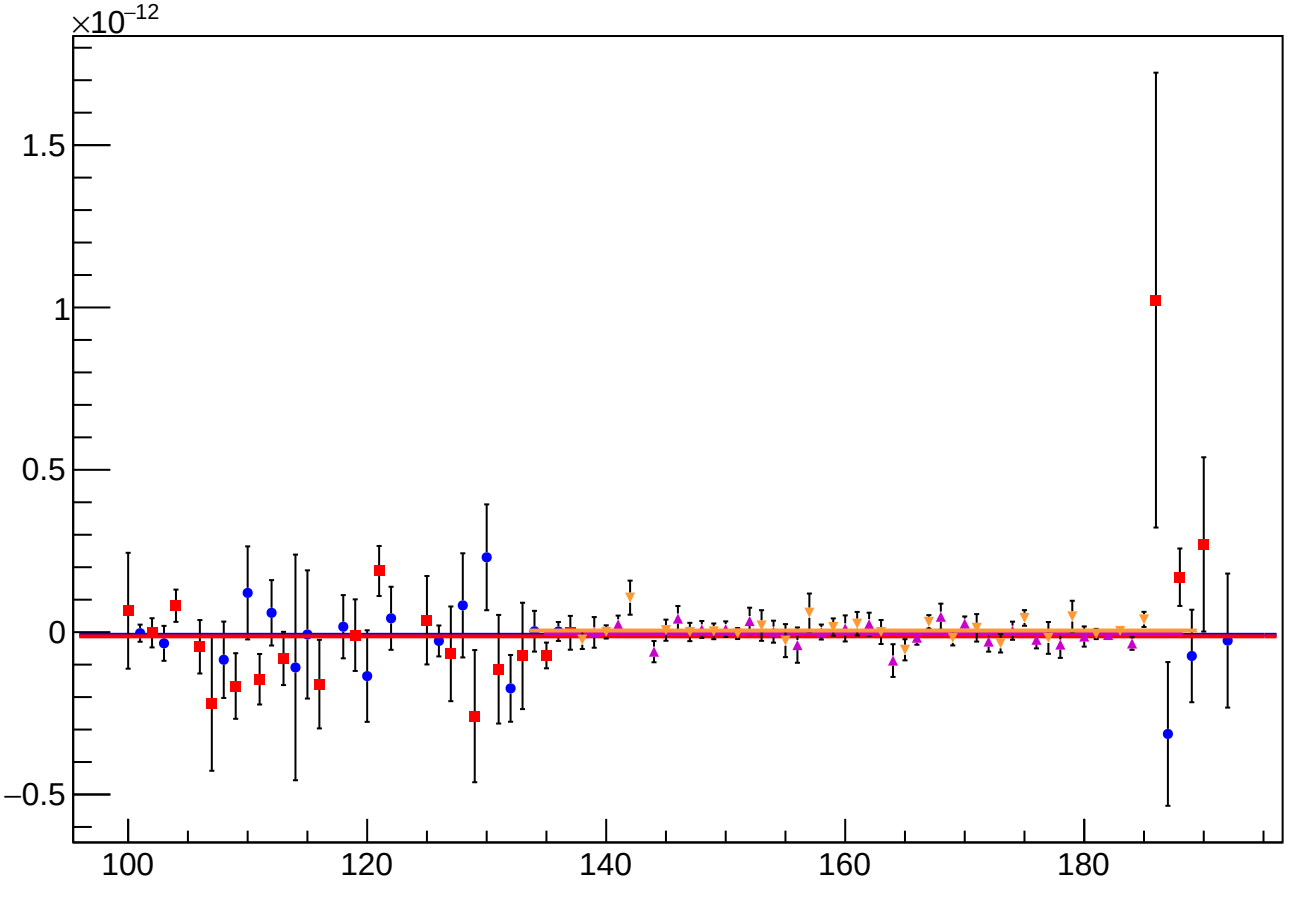
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1502.816+/-0.254 χ^2/NDF: 907605.6/39

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

Out: 1586.307+/-0.217 χ^2/NDF:1216597.0/44

All: 1570.792+/-0.152 χ^2/NDF: 2508306.4/86



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: 30.9/20

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

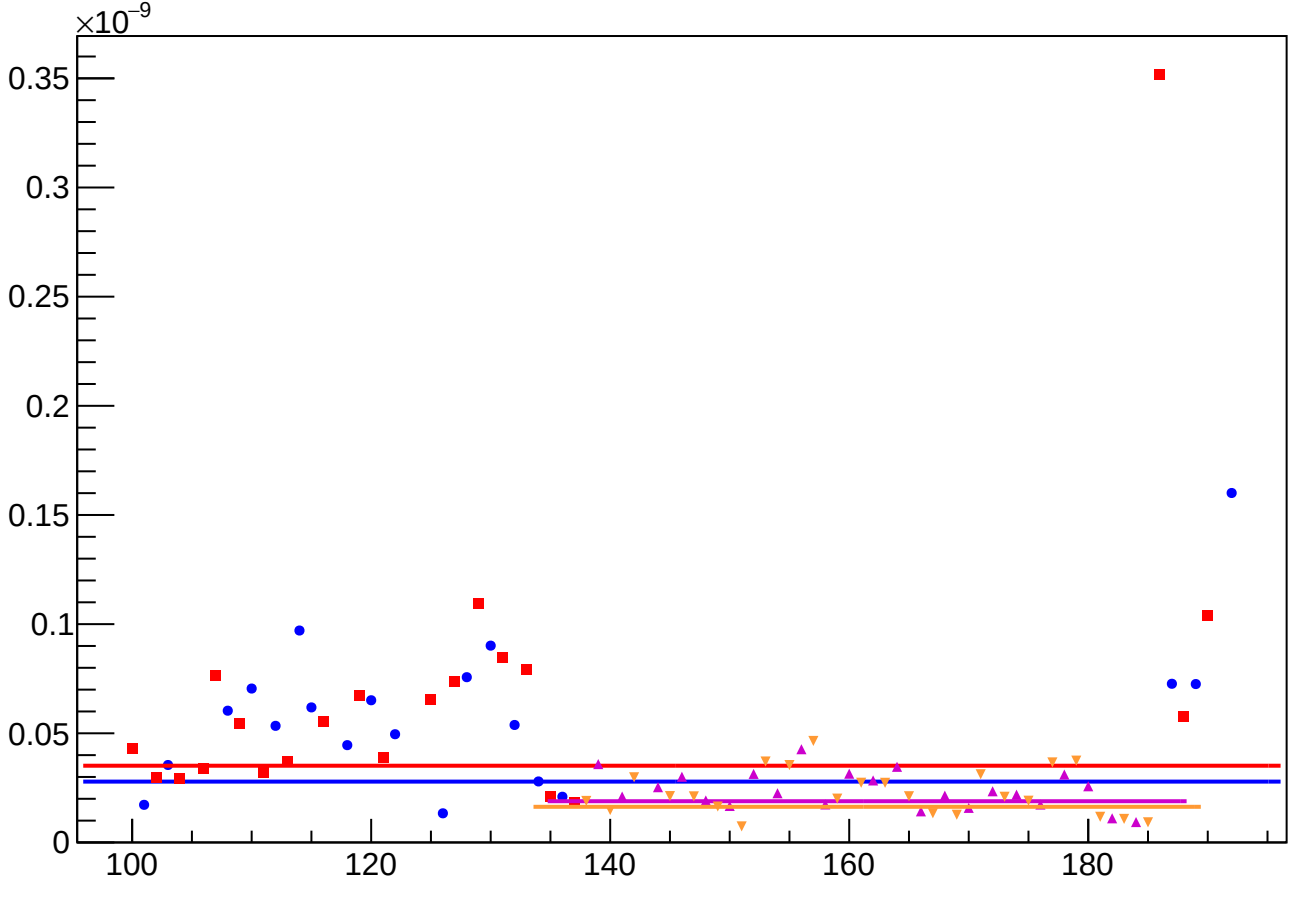
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 41.6/39

In: -0.000+/-0.000 χ^2/NDF:30.1/41

Out: 0.000+/-0.000 χ^2/NDF:52.8/44

All: -0.000+/-0.000 χ^2/NDF: 84.4/86



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: 2397648.3/20

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

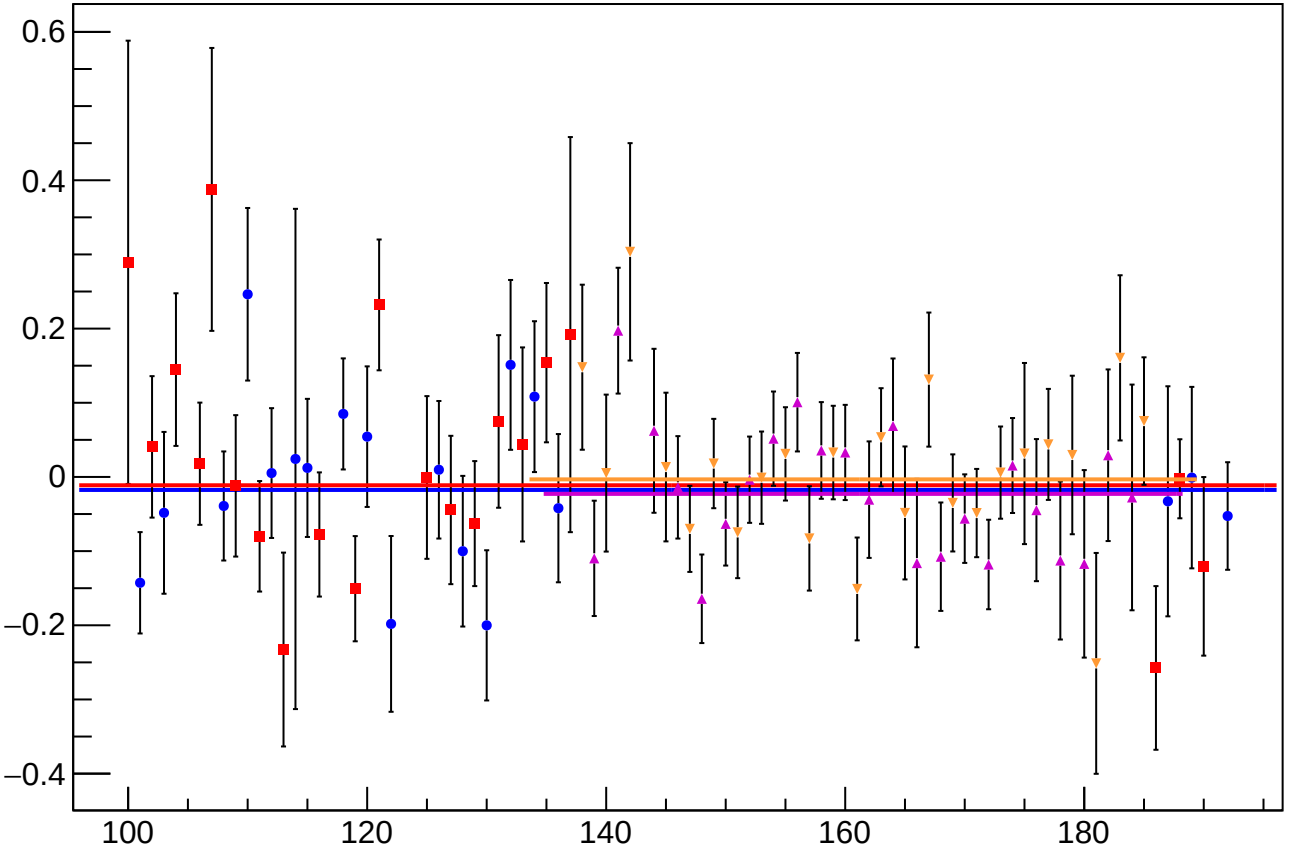
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 5848589.5/39

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

Out: 0.000+/-0.000 χ^2/NDF:8719234.2/44

All: 0.000+/-0.000 χ^2/NDF: 16027081.3/86



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: -0.011+/-0.021 χ^2/NDF: 33.9/20

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

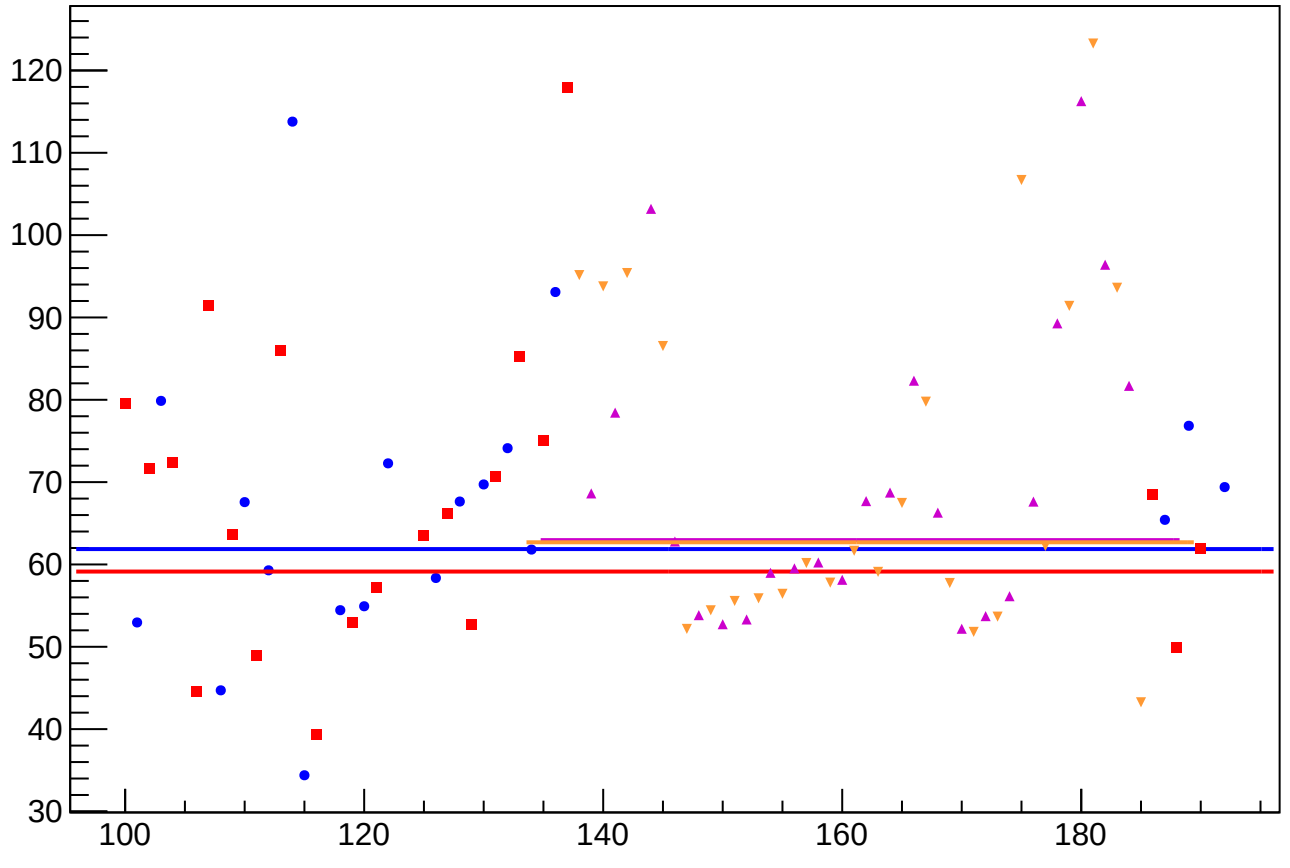
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.014+/-0.015 χ^2/NDF: 55.6/39

In: -0.021+/-0.013 χ^2/NDF:50.6/41

Out: -0.006+/-0.012 χ^2/NDF:59.9/44

All: -0.013+/-0.009 χ^2/NDF: 111.3/86



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: 59.138+/-0.015 χ^2/NDF: 792714.0/20

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

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

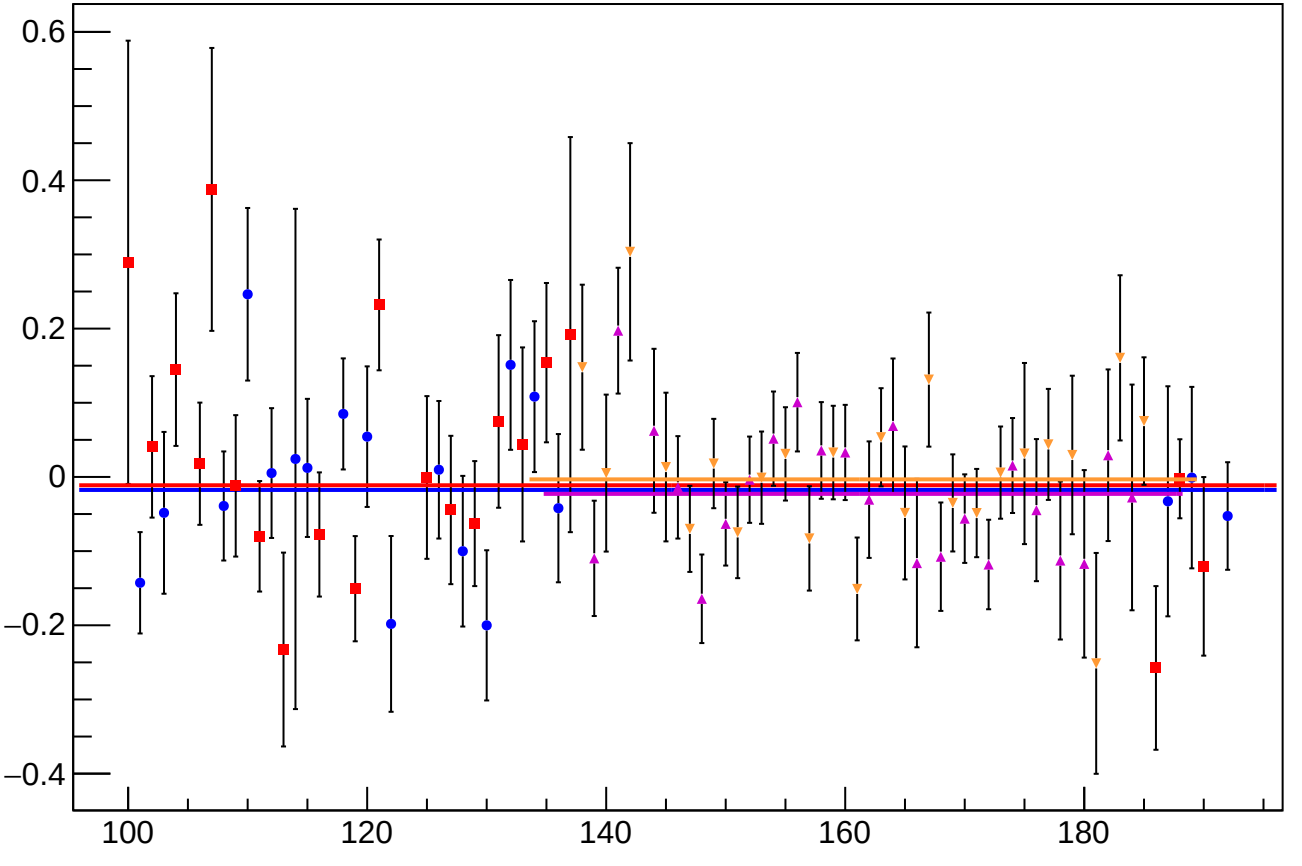
Right: 60.435+/-0.011 χ^2/NDF: 1572117.4/39

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

Out: 61.440+/-0.009 χ^2/NDF:2769281.3/44

All: 62.008+/-0.006 χ^2/NDF: 4974742.7/86

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.011+/-0.021 χ^2/NDF: 33.9/20

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

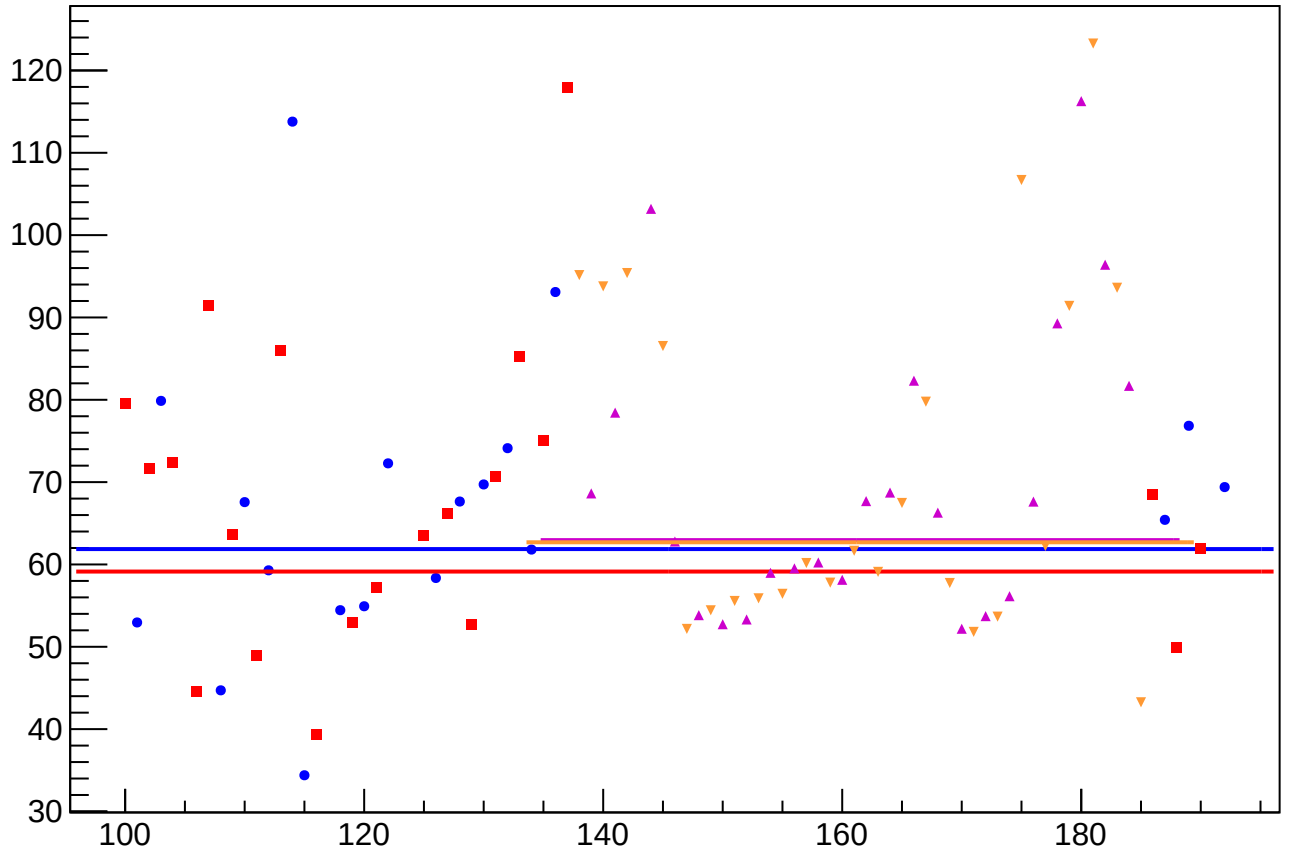
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.014+/-0.015 χ^2/NDF: 55.6/39

In: -0.021+/-0.013 χ^2/NDF:50.6/41

Out: -0.006+/-0.012 χ^2/NDF:59.9/44

All: -0.013+/-0.009 χ^2/NDF: 111.3/86



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: 59.138+/-0.015 χ^2/NDF: 792714.0/20

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

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

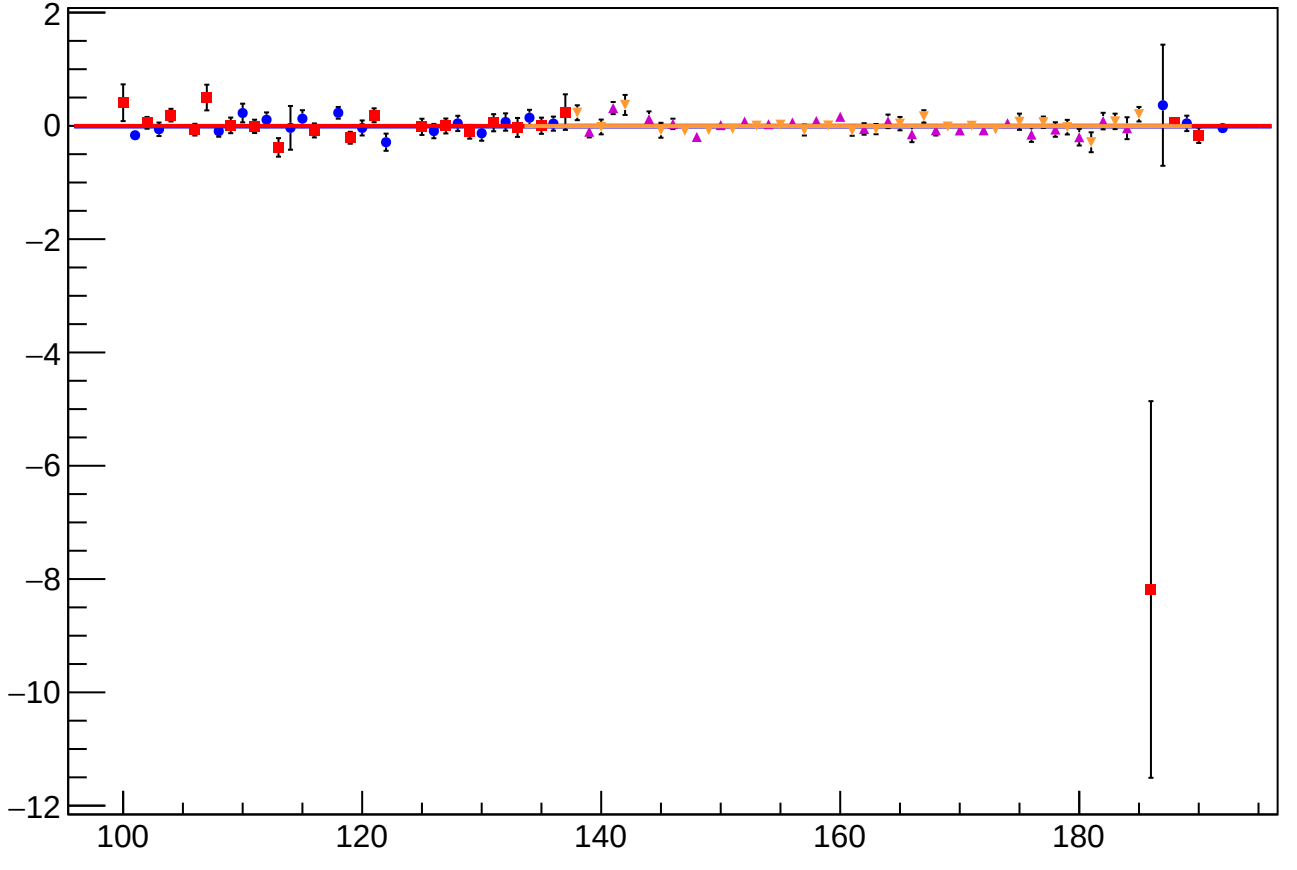
Right: 60.435+/-0.011 χ^2/NDF: 1572117.4/39

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

Out: 61.440+/-0.009 χ^2/NDF:2769281.3/44

All: 62.008+/-0.006 χ^2/NDF: 4974742.7/86

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: -0.000+/-0.029 χ^2/NDF: 32.0/20

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

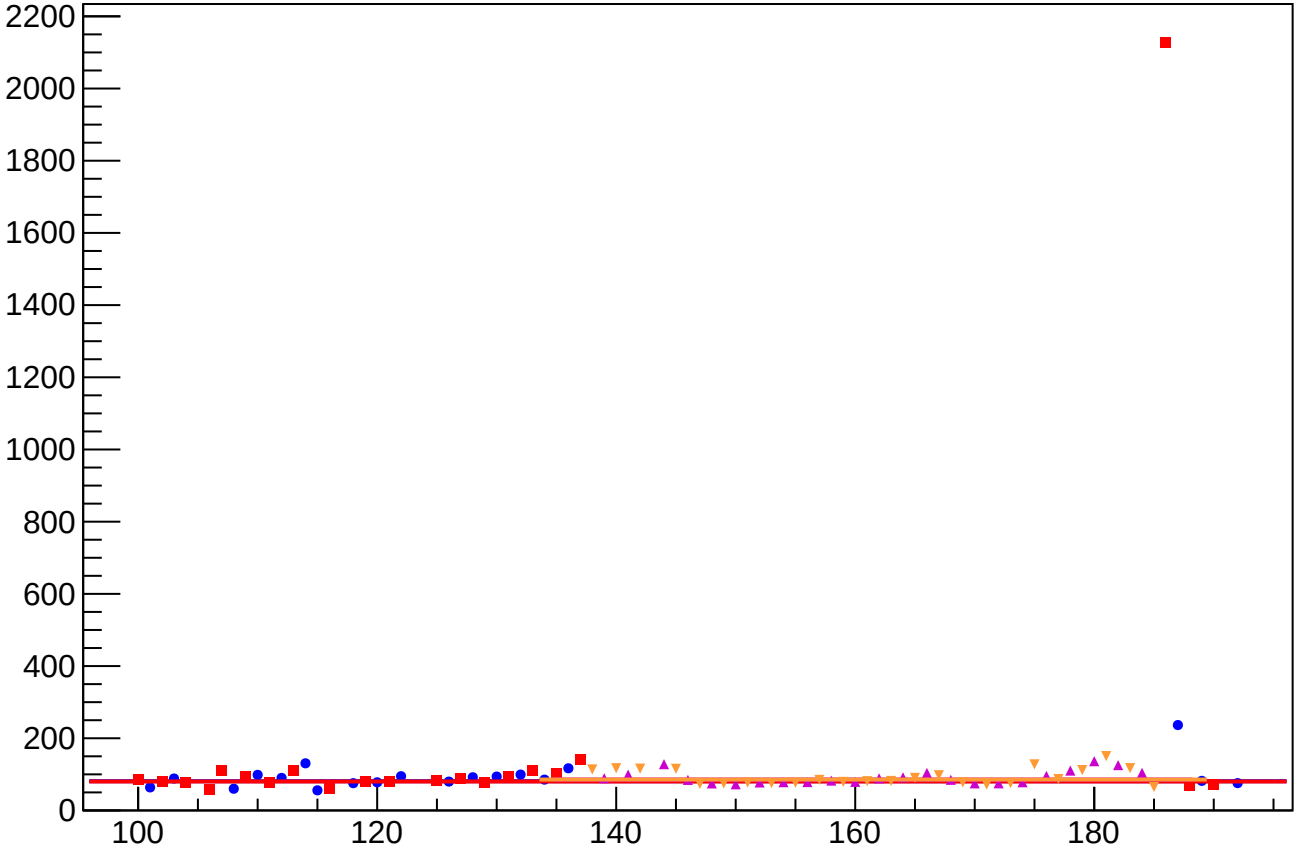
Right: -0.006+/-0.020 χ^2/NDF: 52.6/39

In: -0.003+/-0.017 χ^2/NDF:51.3/41

Out: -0.003+/-0.017 χ^2/NDF:53.3/44

All: -0.003+/-0.012 χ^2/NDF: 104.6/86

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: 80.308+/-0.020 χ^2/NDF: 1301166.8/20

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

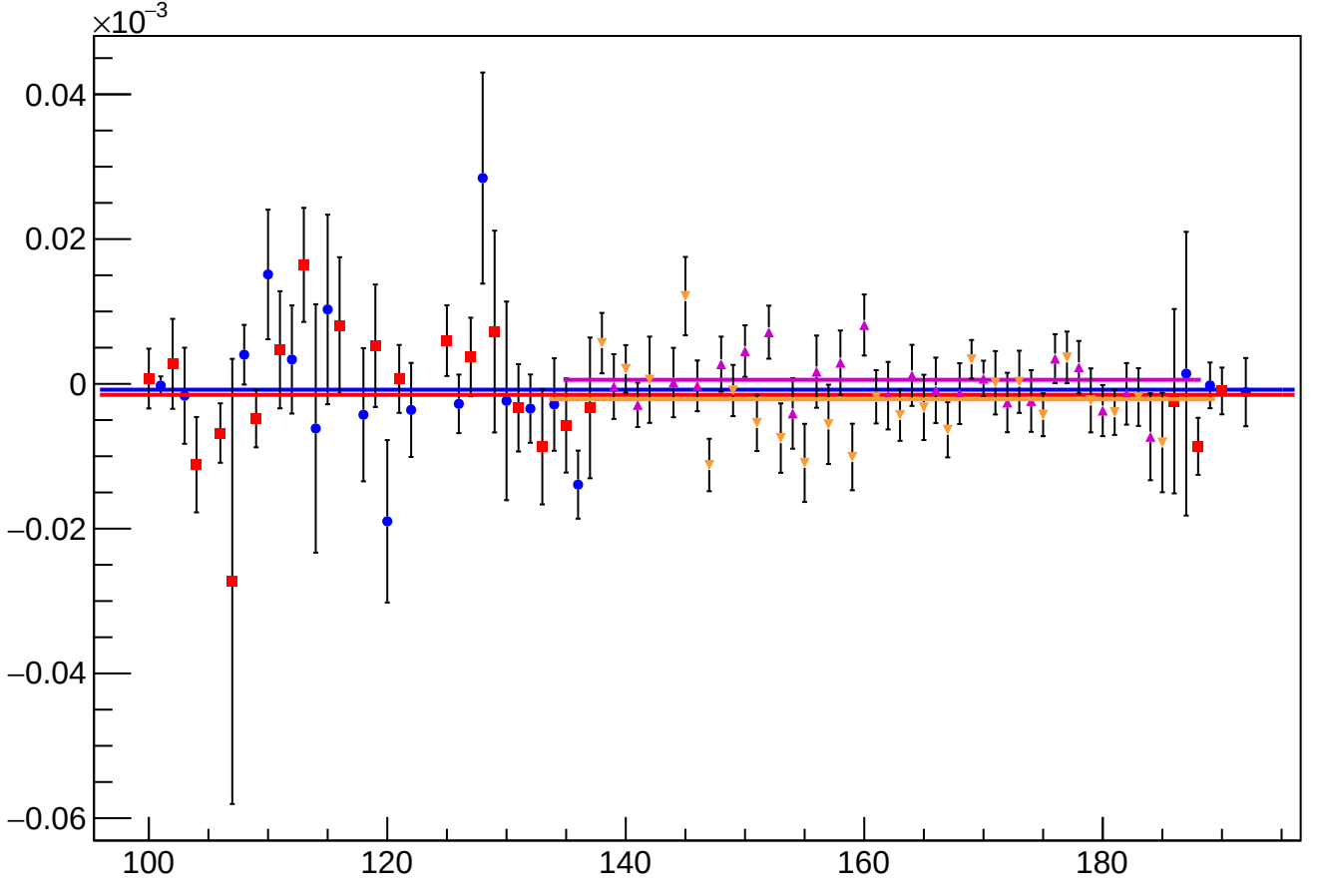
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 80.656+/-0.014 χ^2/NDF: 1915830.5/39

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

Out: 83.814+/-0.012 χ^2/NDF:2699782.3/44

All: 83.946+/-0.008 χ^2/NDF: 4344955.9/86



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: 22.0/20

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

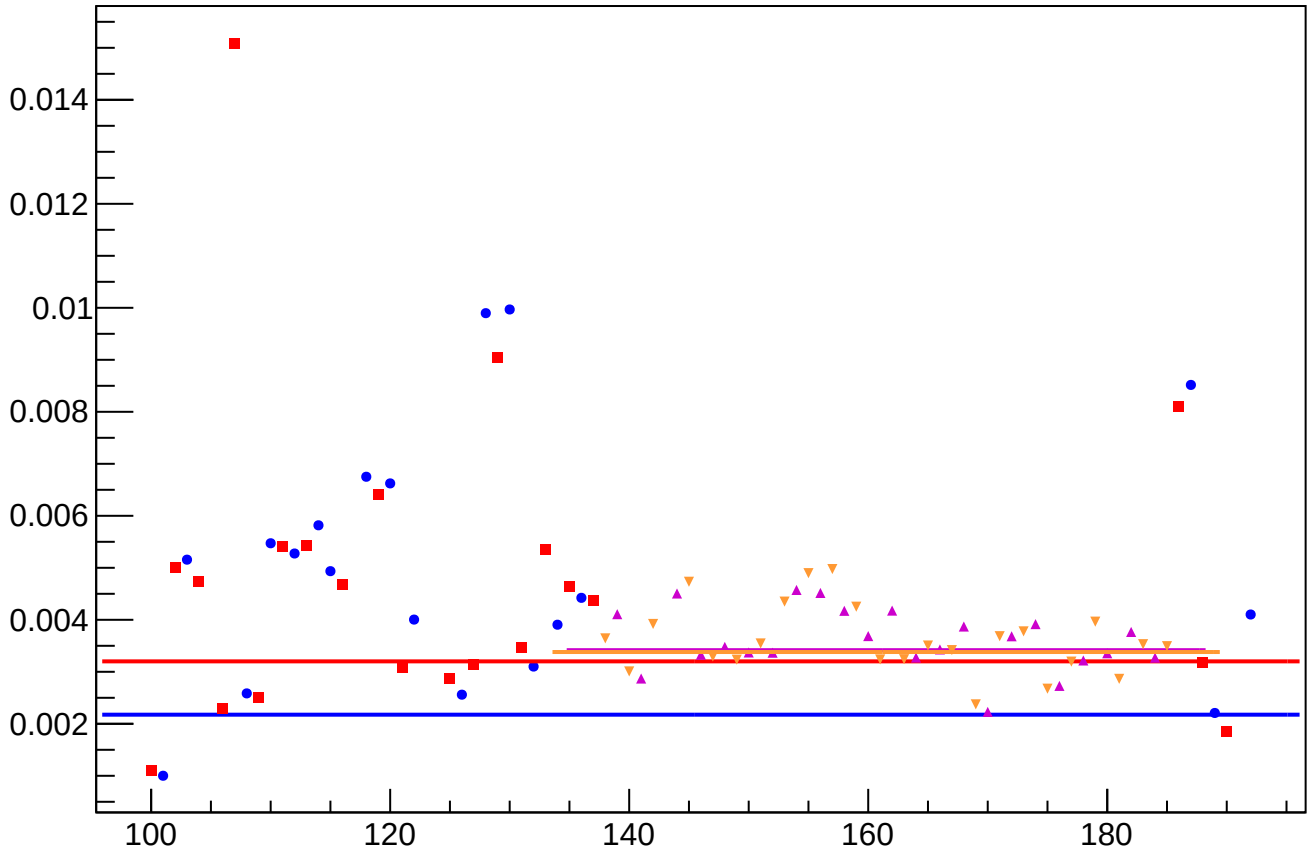
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: -0.000+/-0.000 χ^2/NDF: 43.5/39

In: -0.000+/-0.000 χ^2/NDF:39.2/41

Out: -0.000+/-0.000 χ^2/NDF:59.6/44

All: -0.000+/-0.000 χ^2/NDF: 103.2/86



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: 3177615.0/20

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

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

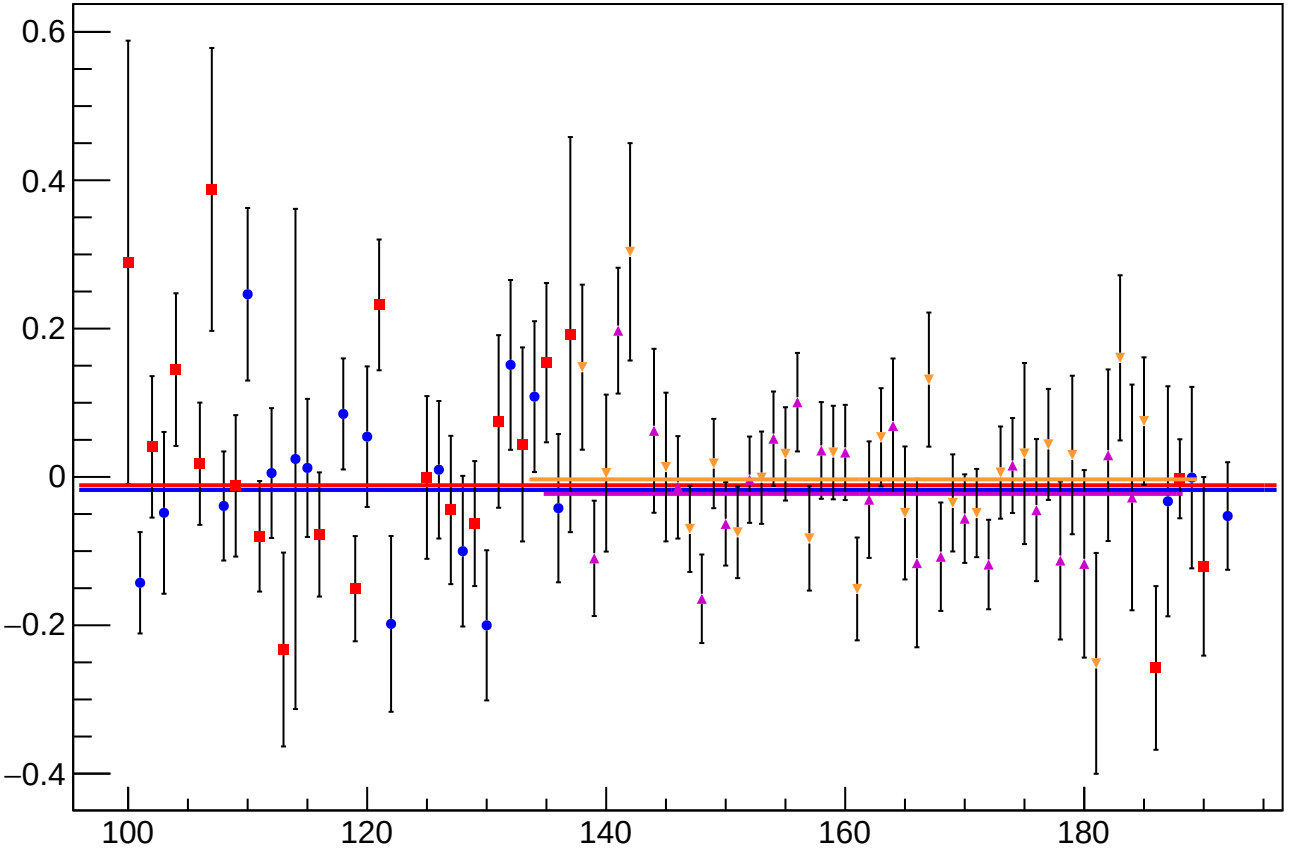
Right: 0.003+/-0.000 χ^2/NDF: 10434163.2/39

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

Out: 0.003+/-0.000 χ^2/NDF:4403105.6/44

All: 0.003+/-0.000 χ^2/NDF: 14412919.4/86

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.011+/-0.021 χ^2/NDF: 33.9/20

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

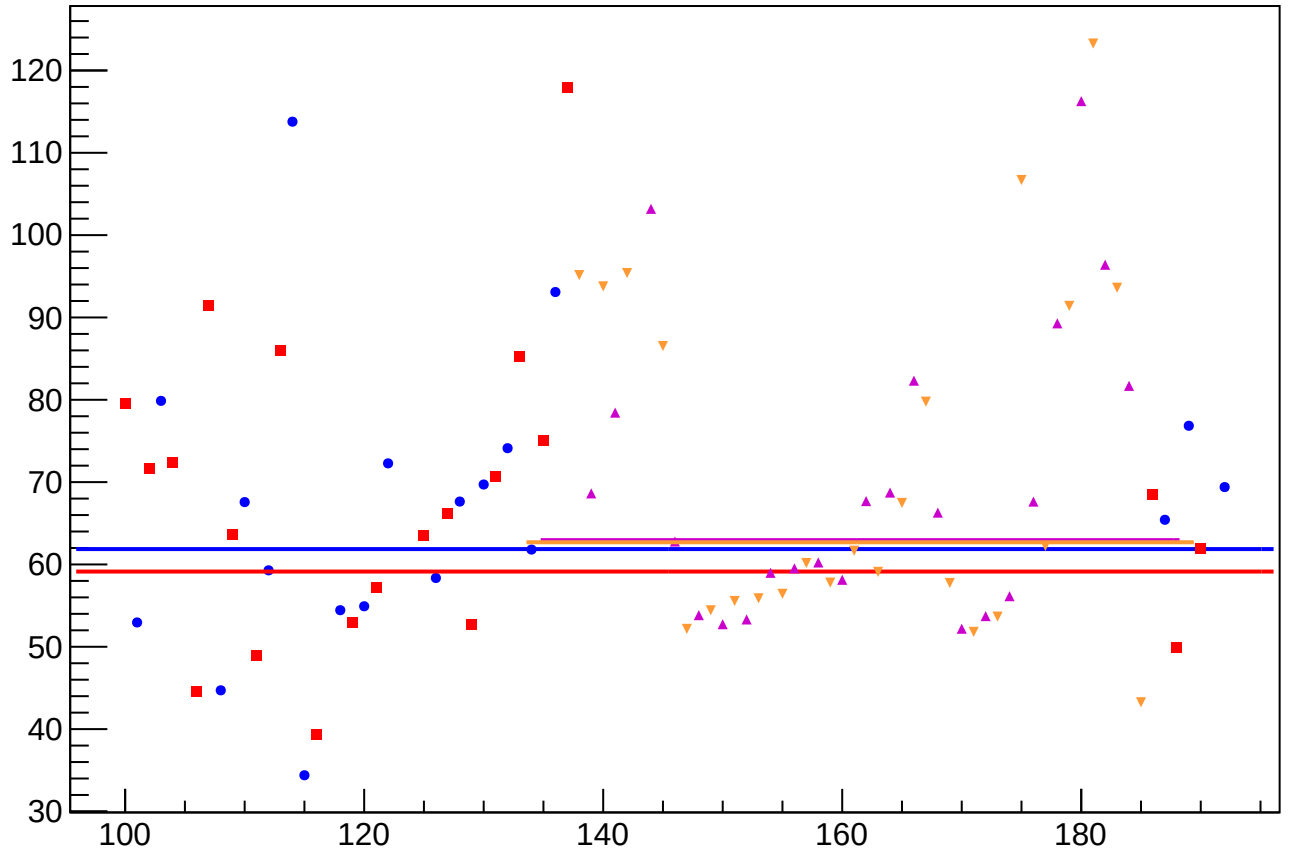
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.014+/-0.015 χ^2/NDF: 55.6/39

In: -0.021+/-0.013 χ^2/NDF:50.6/41

Out: -0.006+/-0.012 χ^2/NDF:59.9/44

All: -0.013+/-0.009 χ^2/NDF: 111.3/86



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: 59.137+/-0.015 χ^2/NDF: 792705.8/20

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

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

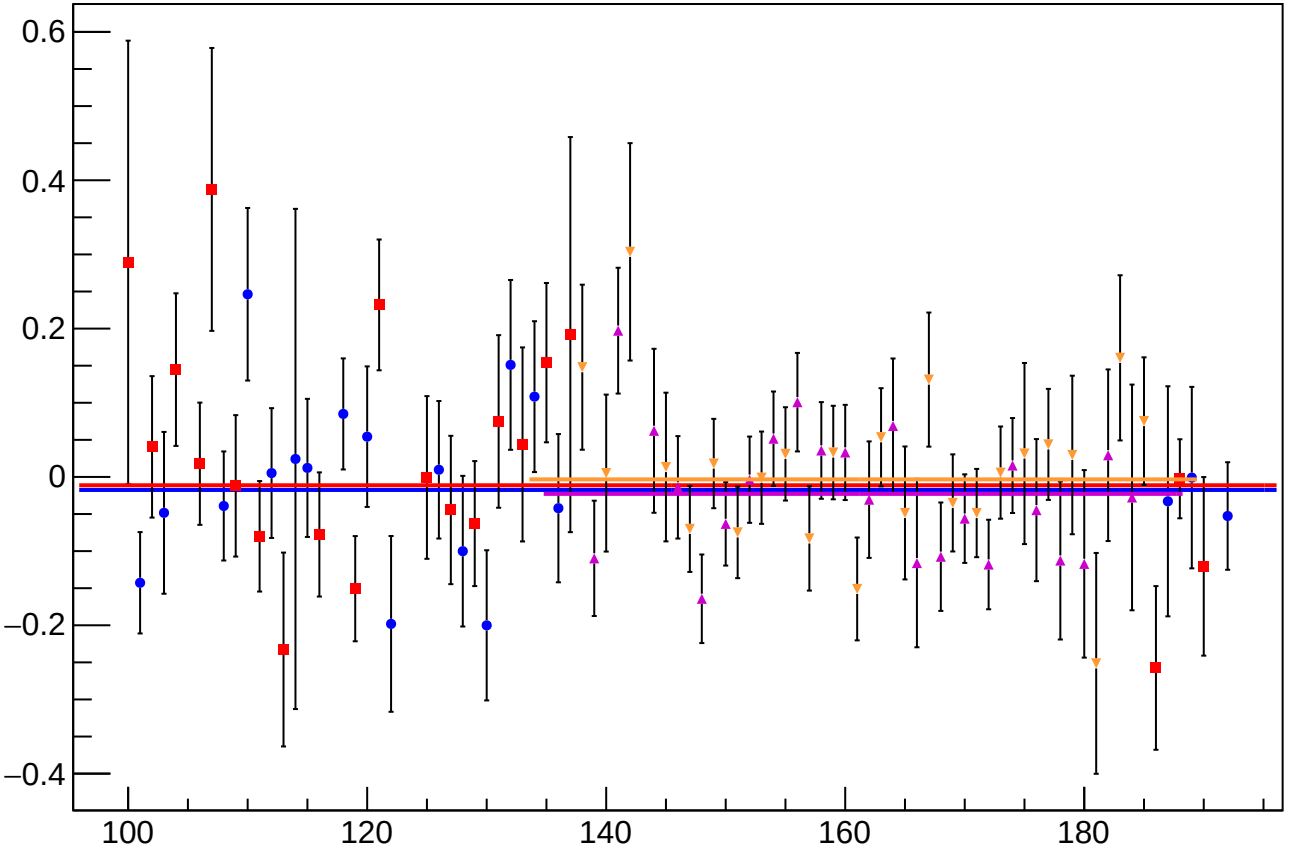
Right: 60.434+/-0.011 χ^2/NDF: 1572138.8/39

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

Out: 61.440+/-0.009 χ^2/NDF:2769285.8/44

All: 62.008+/-0.006 χ^2/NDF: 4974761.3/86

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.011+/-0.021 χ^2/NDF: 33.9/20

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

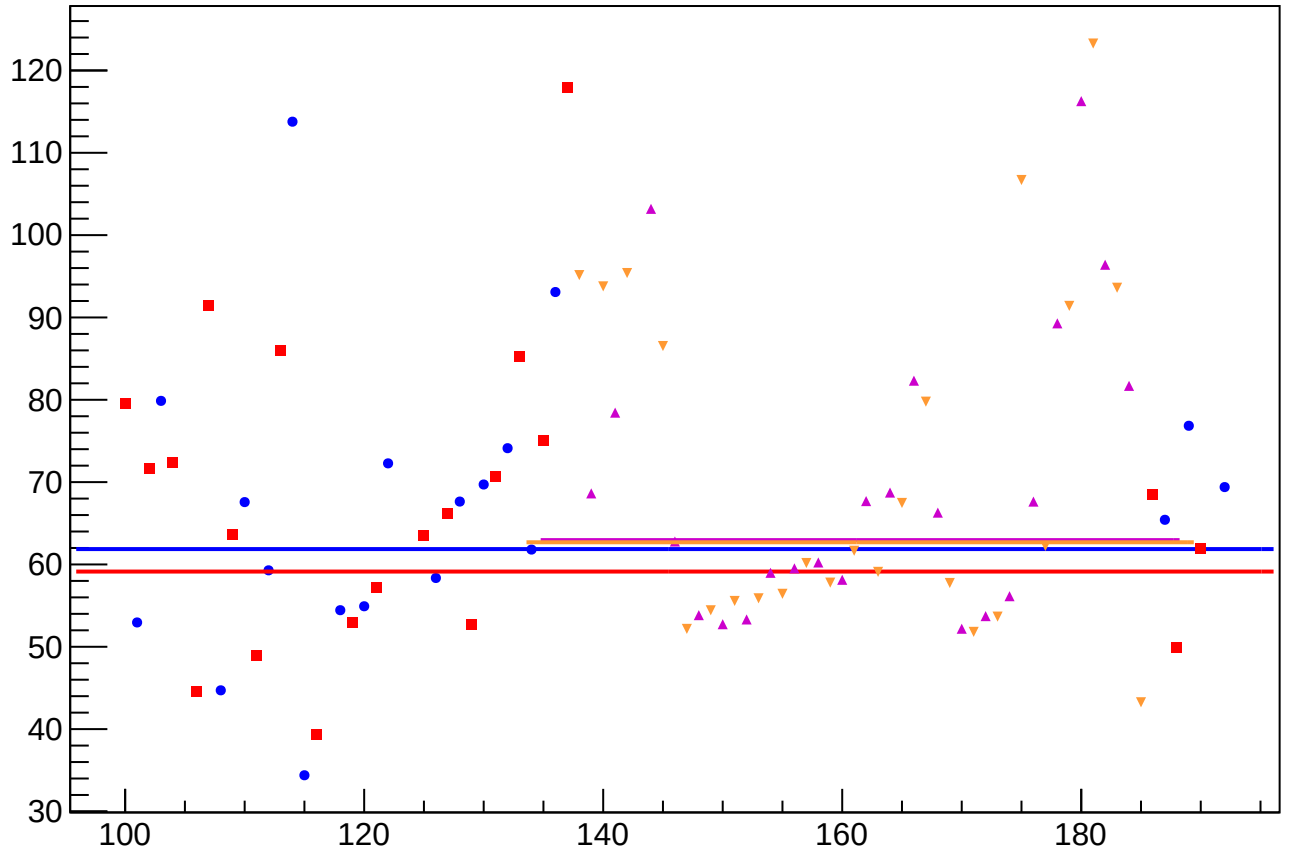
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.014+/-0.015 χ^2/NDF: 55.6/39

In: -0.021+/-0.013 χ^2/NDF:50.6/41

Out: -0.006+/-0.012 χ^2/NDF:59.9/44

All: -0.013+/-0.009 χ^2/NDF: 111.3/86



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: 59.137+/-0.015 χ^2/NDF: 792705.8/20

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

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

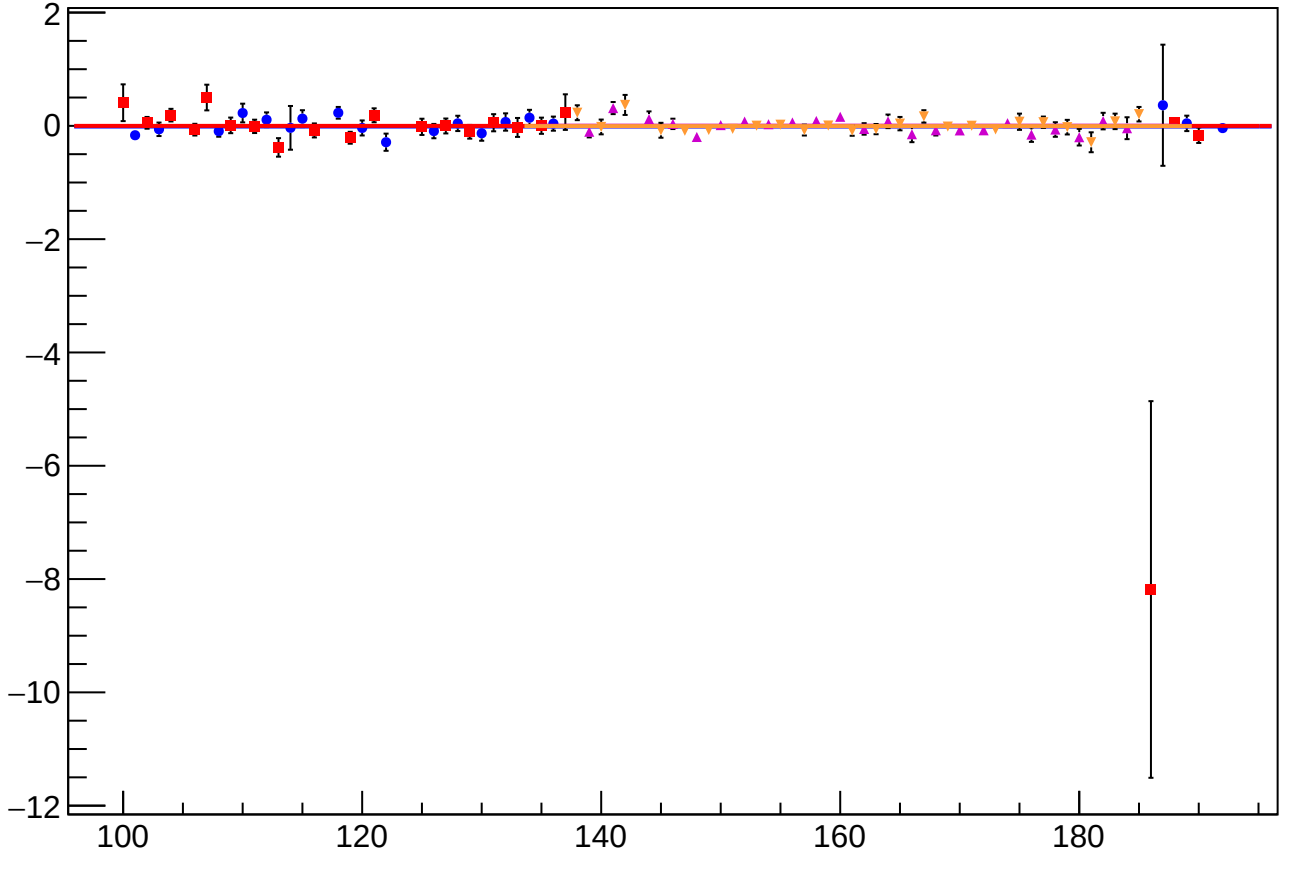
Right: 60.434+/-0.011 χ^2/NDF: 1572138.8/39

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

Out: 61.440+/-0.009 χ^2/NDF:2769285.8/44

All: 62.008+/-0.006 χ^2/NDF: 4974761.3/86

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: -0.000+/-0.029 χ^2/NDF: 32.0/20

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

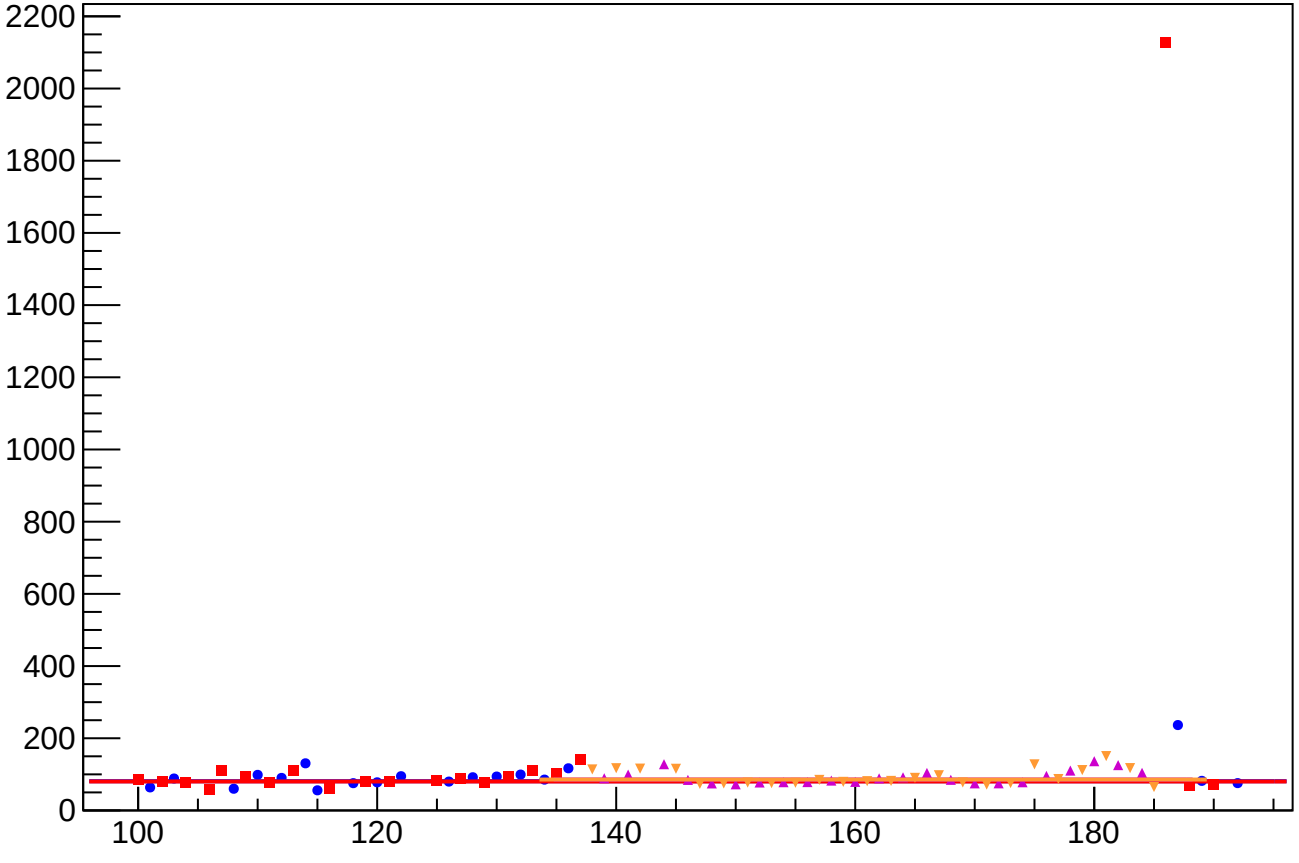
Right: -0.006+/-0.020 χ^2/NDF: 52.6/39

In: -0.003+/-0.017 χ^2/NDF:51.3/41

Out: -0.003+/-0.017 χ^2/NDF:53.3/44

All: -0.003+/-0.012 χ^2/NDF: 104.6/86

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: 80.307+/-0.020 χ^2/NDF: 1301149.0/20

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

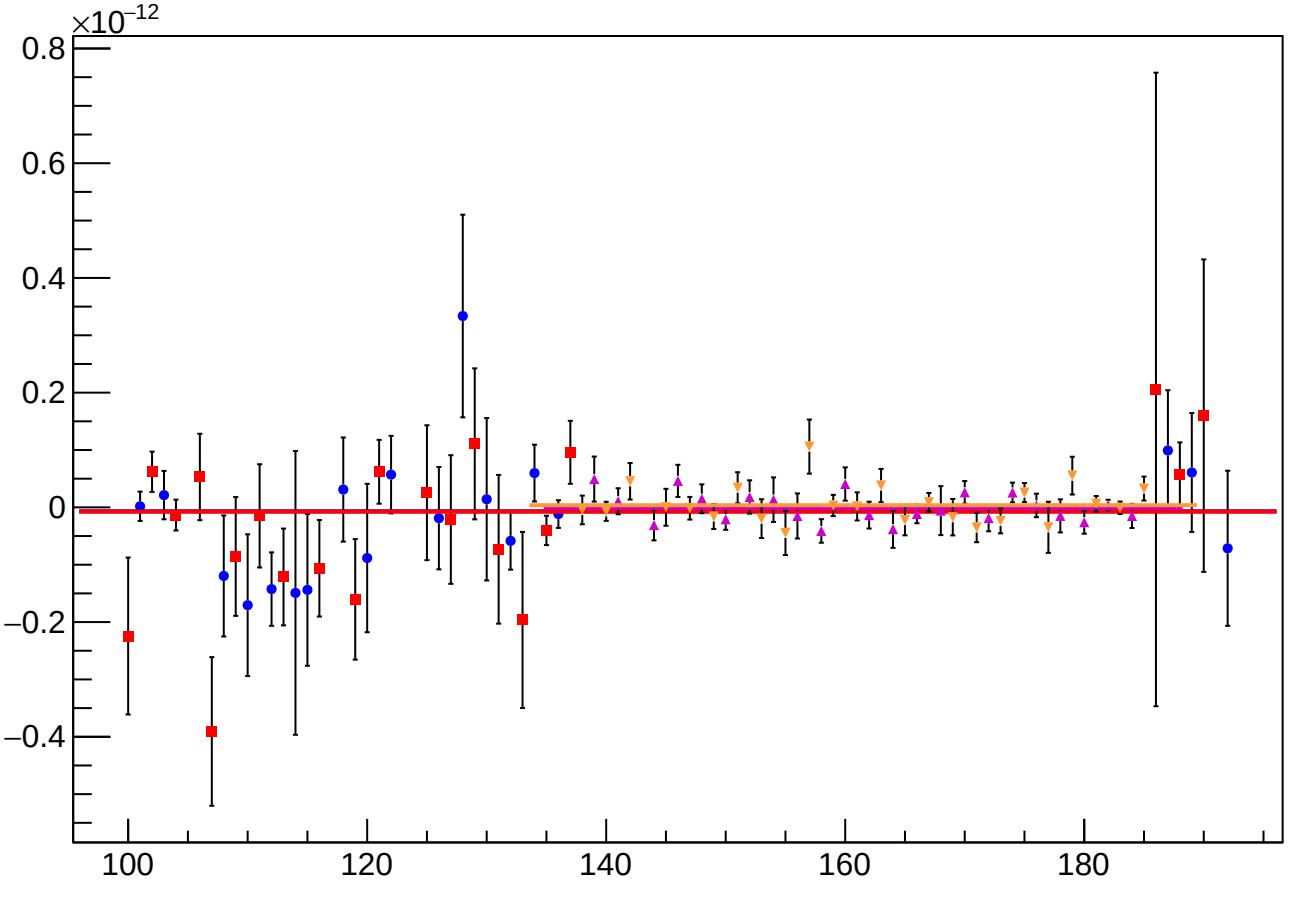
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 80.655+/-0.014 χ^2/NDF: 1915800.1/39

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

Out: 83.814+/-0.012 χ^2/NDF:2699773.4/44

All: 83.946+/-0.008 χ^2/NDF: 4344939.9/86



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: 33.1/20

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

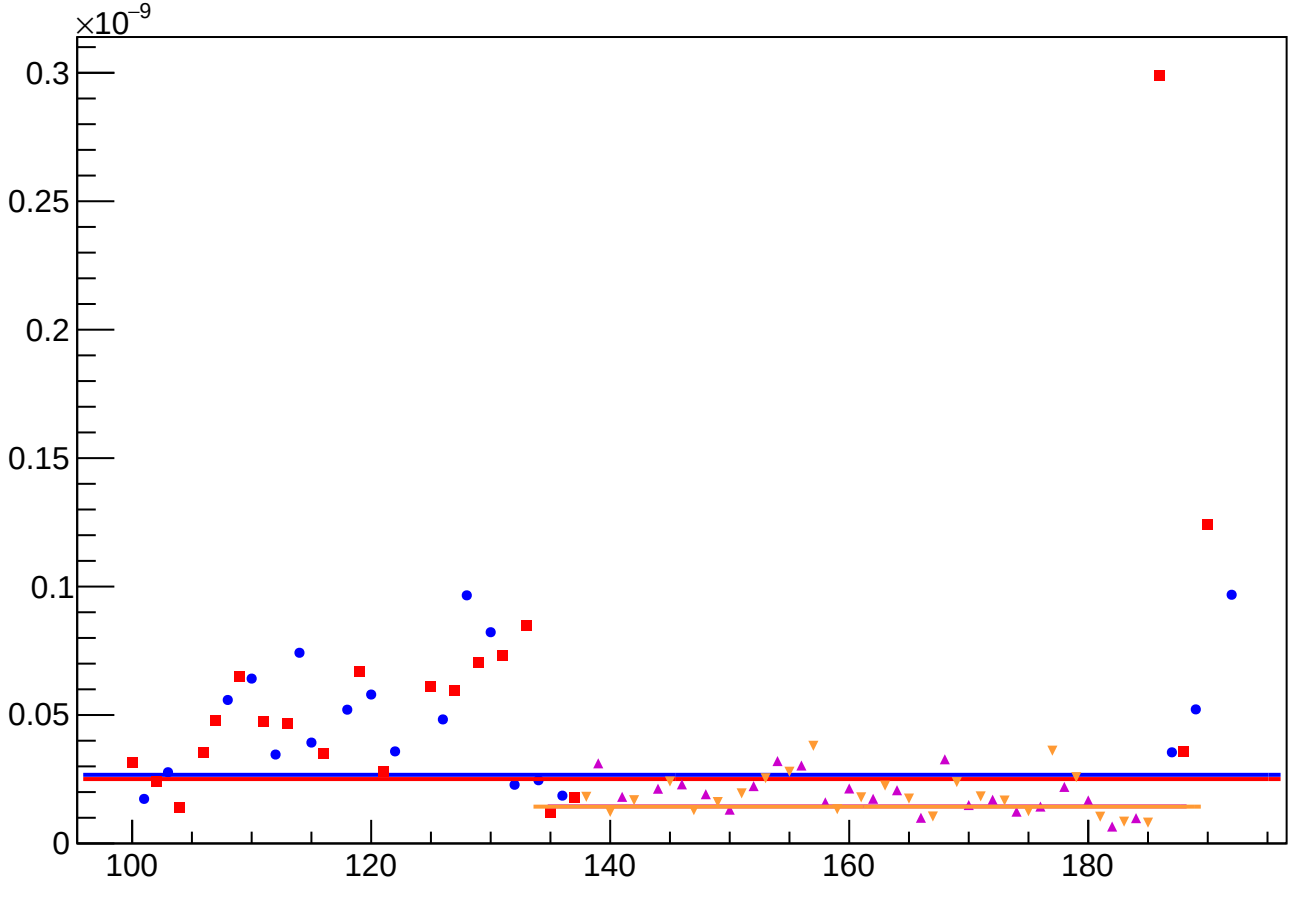
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 52.3/39

In: -0.000+/-0.000 χ^2/NDF:43.0/41

Out: 0.000+/-0.000 χ^2/NDF:58.8/44

All: 0.000+/-0.000 χ^2/NDF: 102.2/86



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: 3926648.8/20

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

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

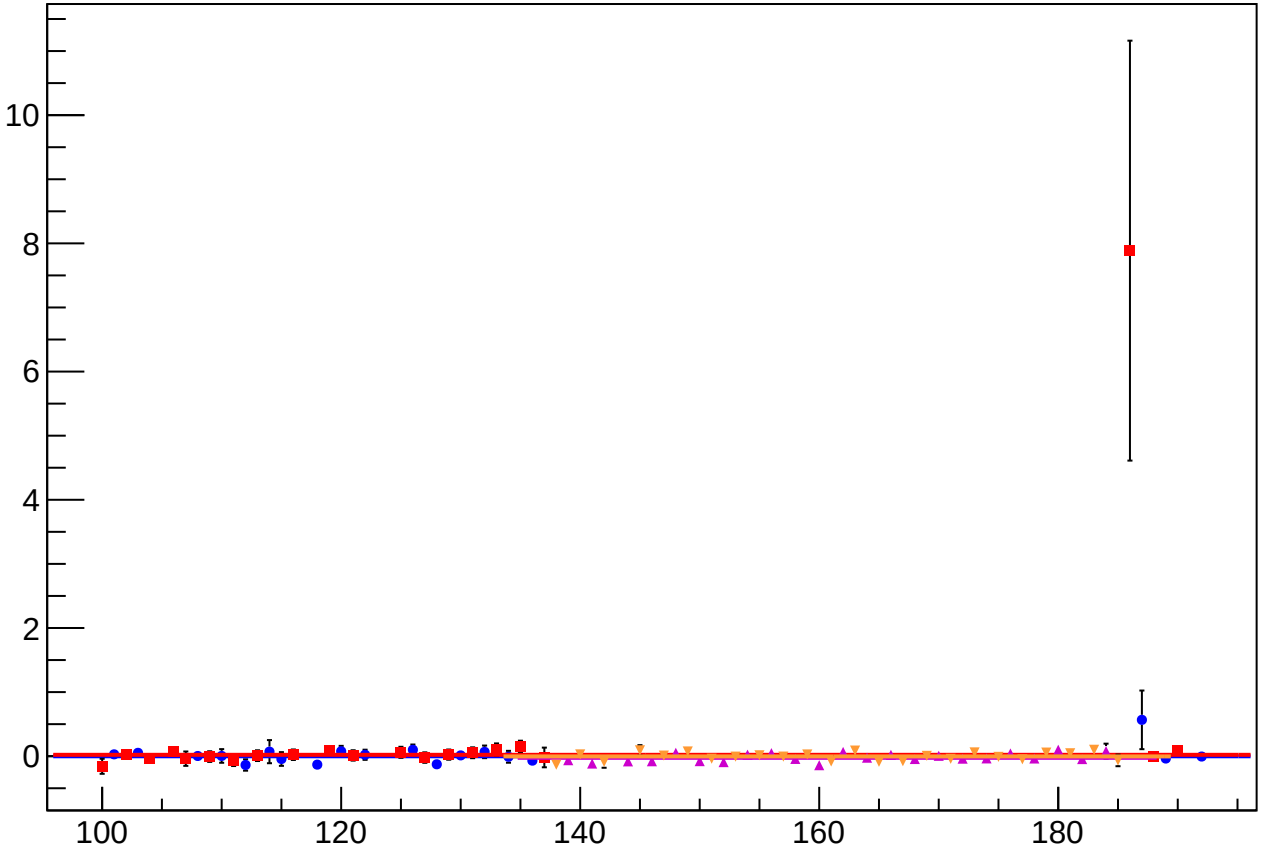
Right: 0.000+/-0.000 χ^2/NDF: 6632024.3/39

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

Out: 0.000+/-0.000 χ^2/NDF:8762610.7/44

All: 0.000+/-0.000 χ^2/NDF: 17320142.1/86

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: 0.022+/-0.014 χ^2/NDF: 20.3/20

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

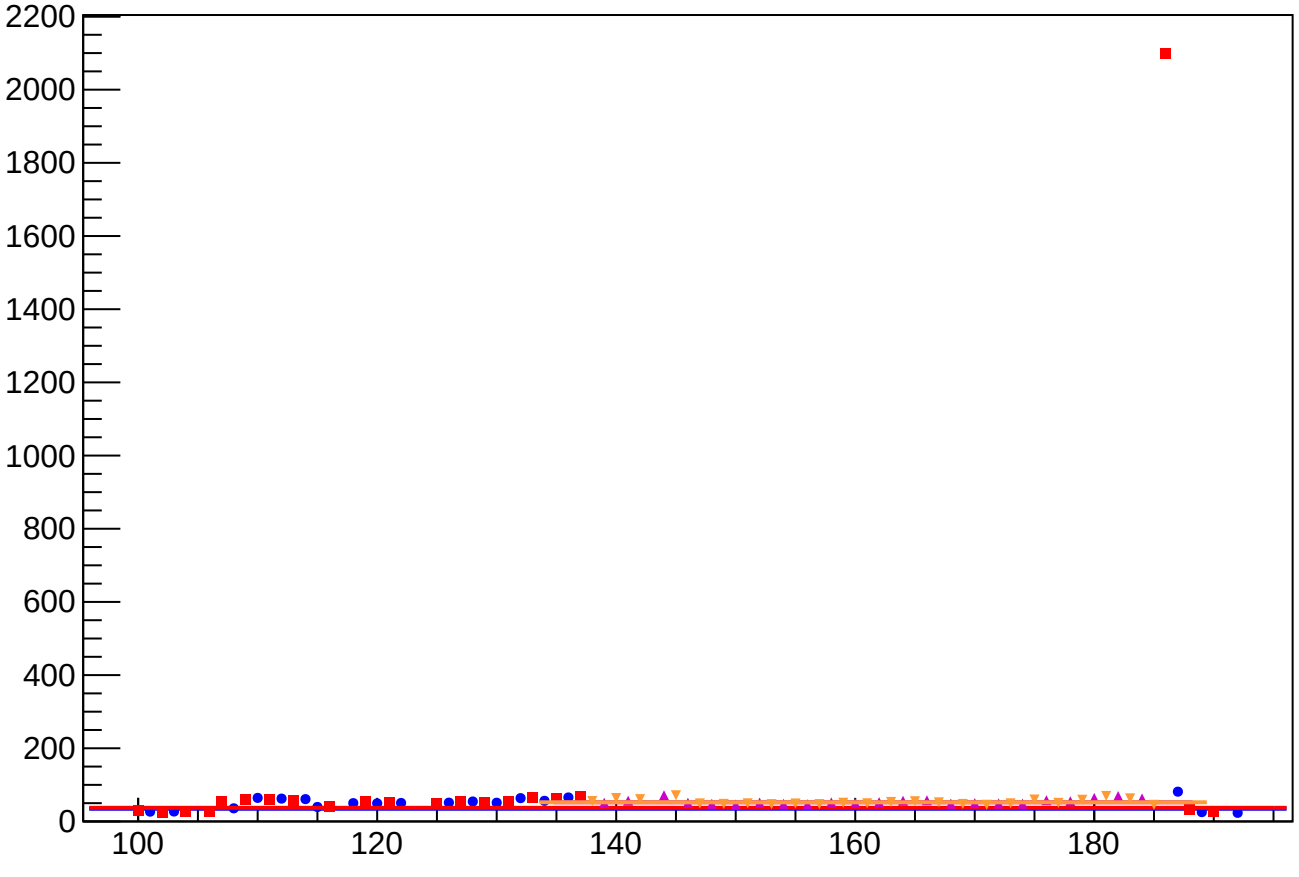
Right: 0.009+/-0.009 χ^2/NDF: 39.8/39

In: -0.014+/-0.009 χ^2/NDF:44.2/41

Out: 0.008+/-0.009 χ^2/NDF:45.2/44

All: -0.003+/-0.006 χ^2/NDF: 92.2/86

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: 37.266+/-0.010 χ^2/NDF: 2773954.5/20

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

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

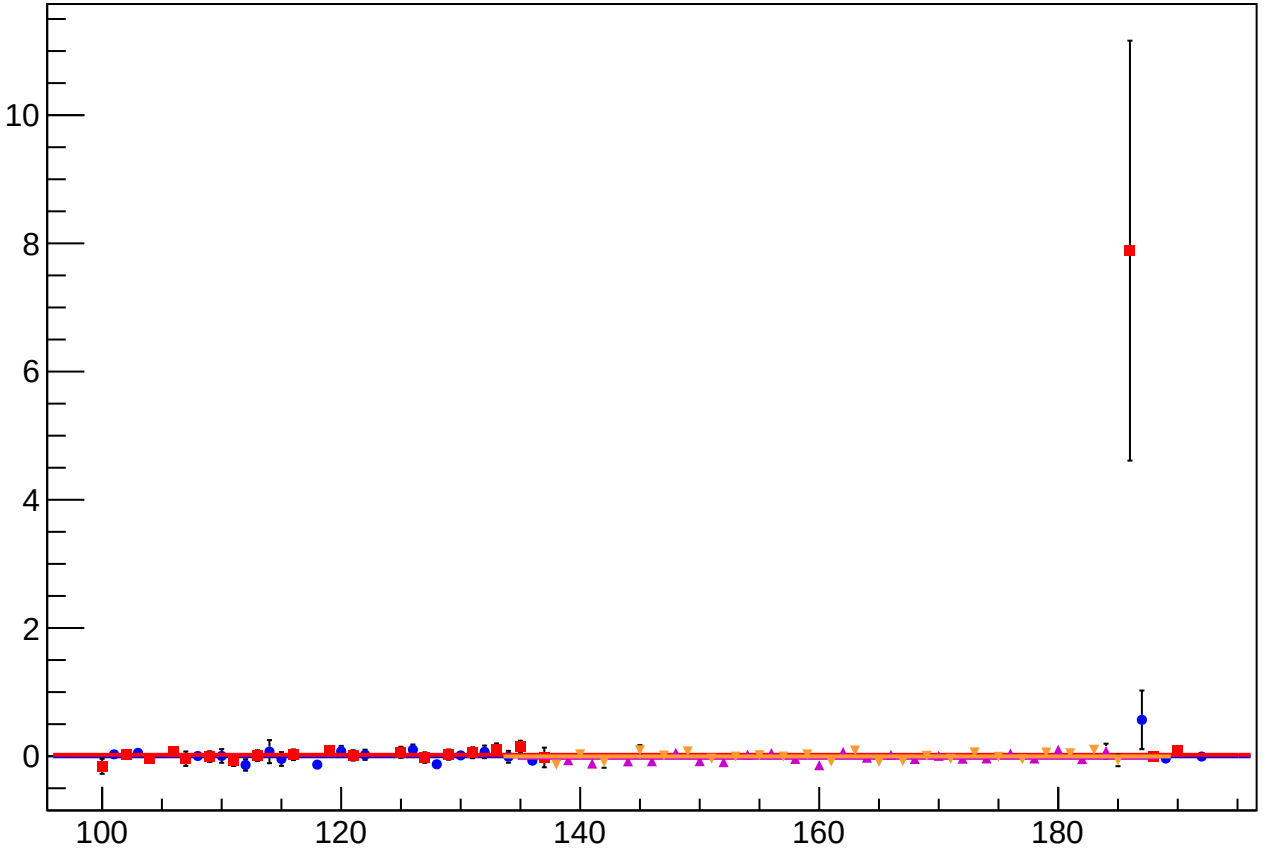
Right: 35.922+/-0.007 χ^2/NDF: 5165292.0/39

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

Out: 45.667+/-0.007 χ^2/NDF:4607303.5/44

All: 44.783+/-0.005 χ^2/NDF: 9378528.8/86

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: 0.022+/-0.014 χ^2/NDF: 20.3/20

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

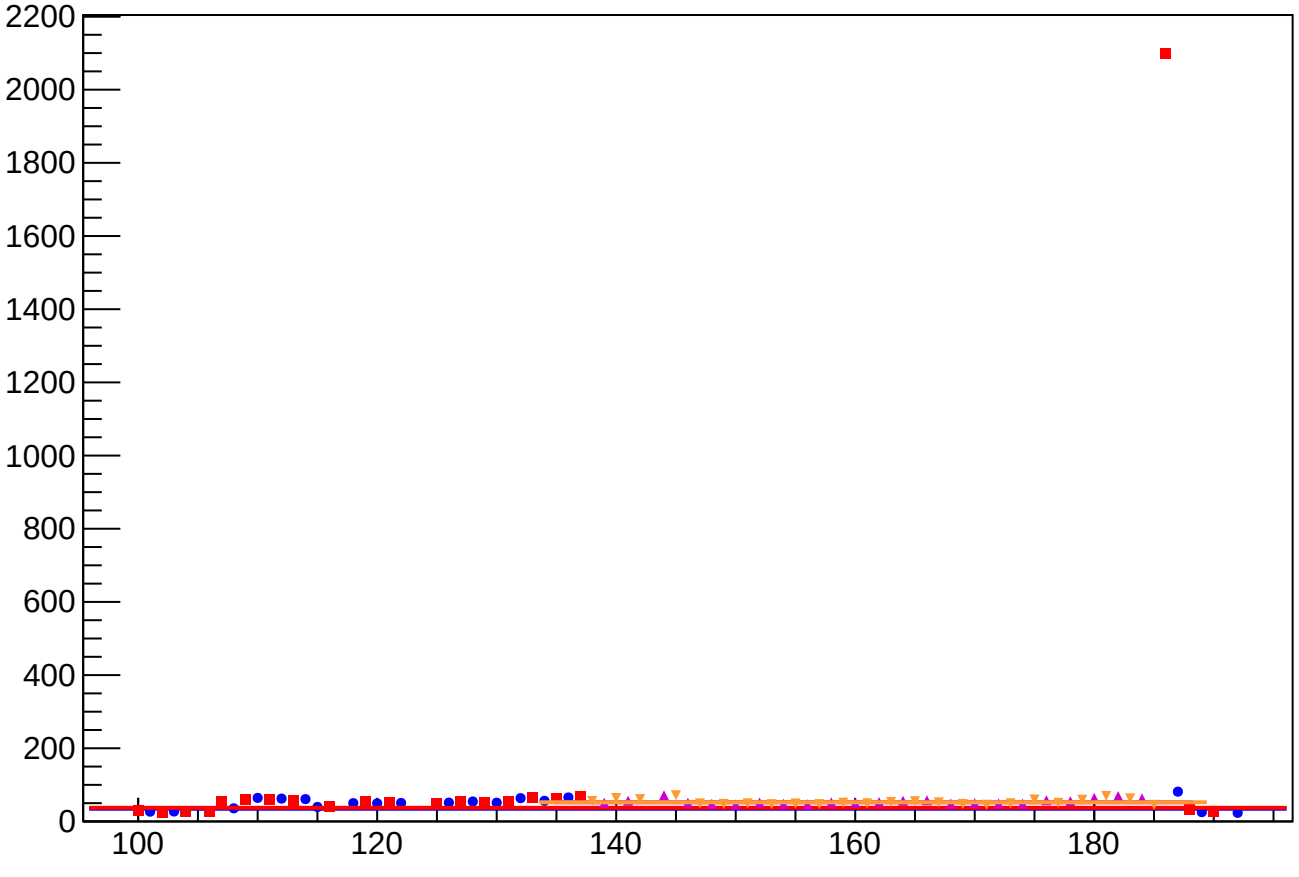
Right: 0.009+/-0.009 χ^2/NDF: 39.8/39

In: -0.014+/-0.009 χ^2/NDF:44.2/41

Out: 0.008+/-0.009 χ^2/NDF:45.2/44

All: -0.003+/-0.006 χ^2/NDF: 92.2/86

asym_us_avg_overload_cor_vs_eigen_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: 37.266+/-0.010 χ^2/NDF: 2773954.5/20

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

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

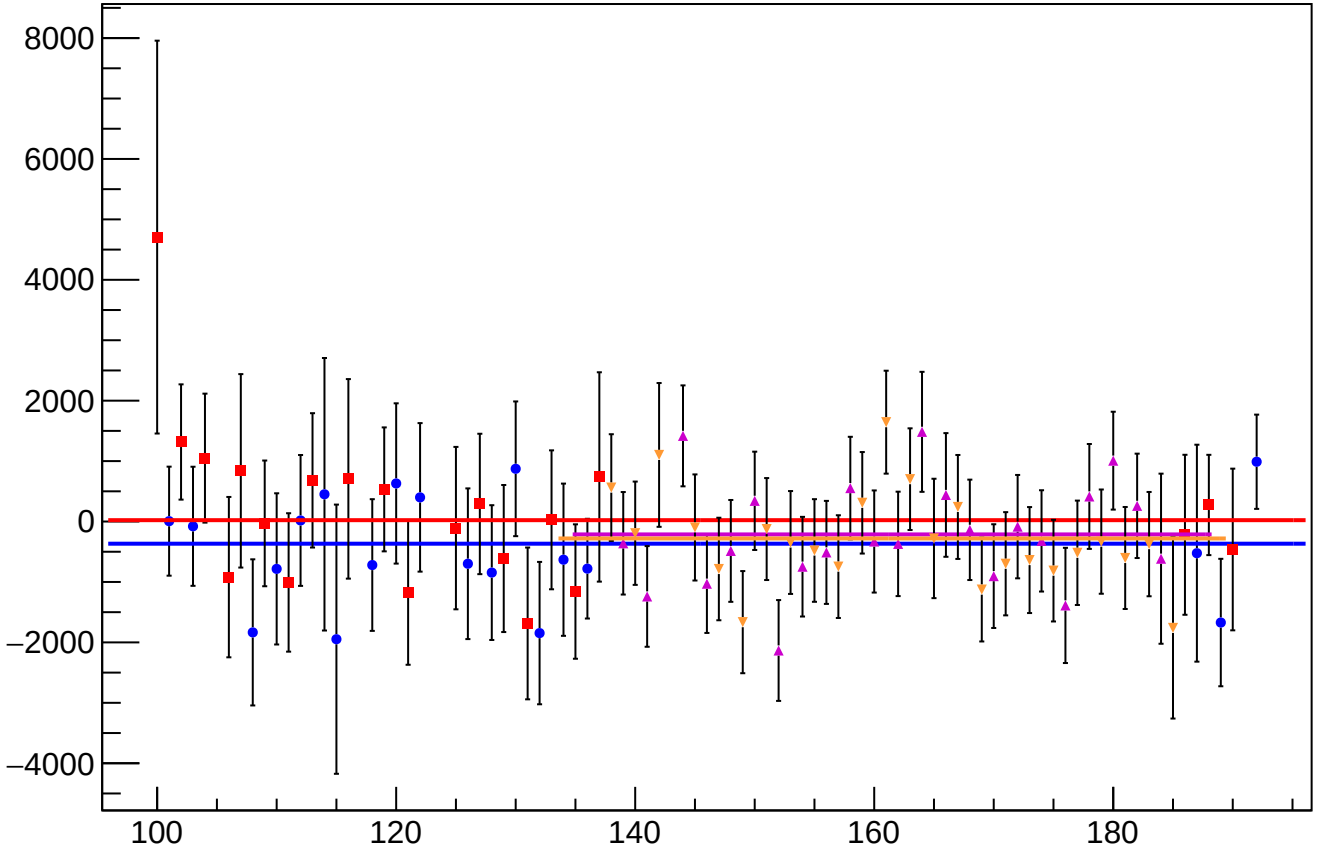
Right: 35.922+/-0.007 χ^2/NDF: 5165292.0/39

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

Out: 45.667+/-0.007 χ^2/NDF:4607303.5/44

All: 44.783+/-0.005 χ^2/NDF: 9378528.8/86

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: 22.469+/-261.431 χ^2/NDF: 11.9/20

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

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

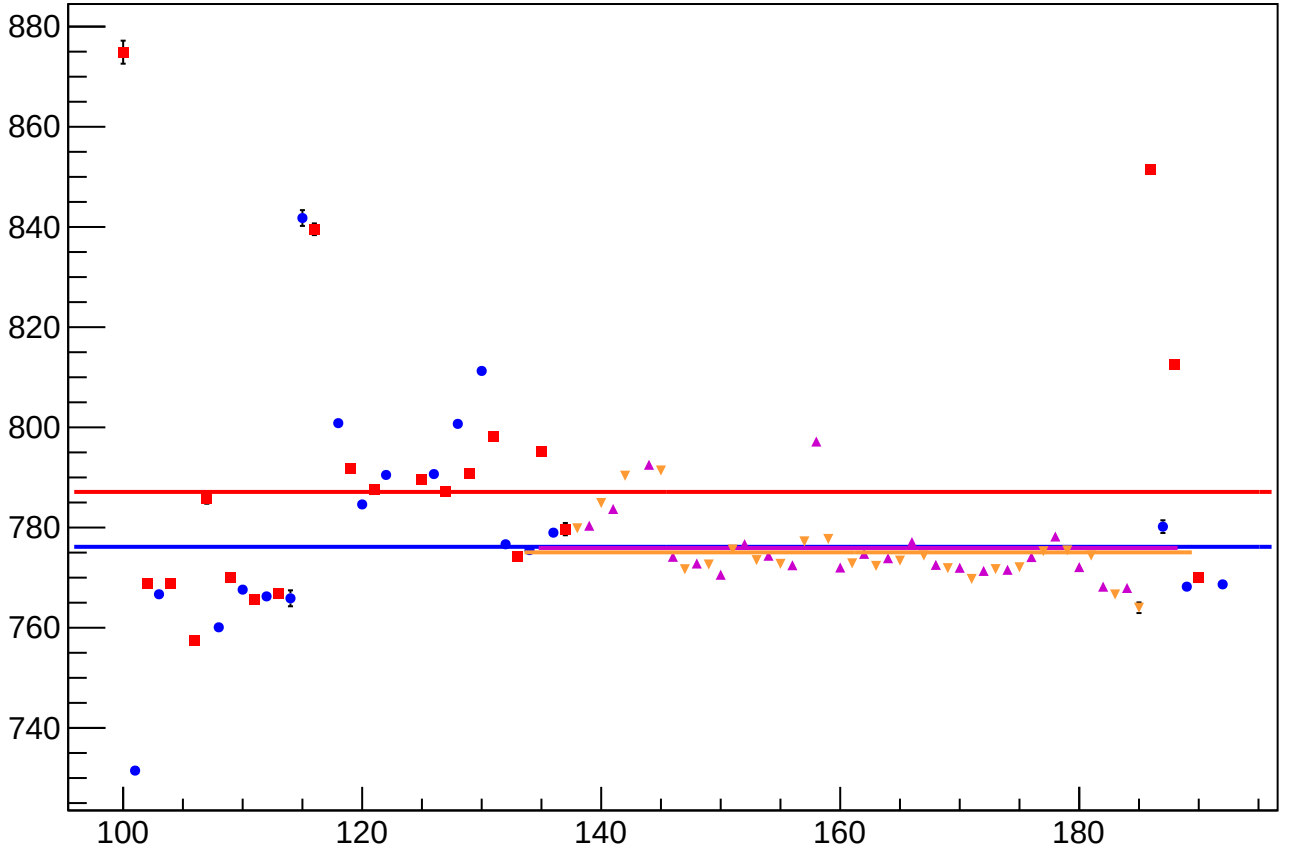
Right: -173.514+/-184.233 χ^2/NDF: 24.6/39

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

Out: -183.061+/-148.190 χ^2/NDF:28.9/44

All: -223.255+/-104.924 χ^2/NDF: 63.3/86

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: 787.113+/-0.185 χ^2/NDF: 15261.3/20

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

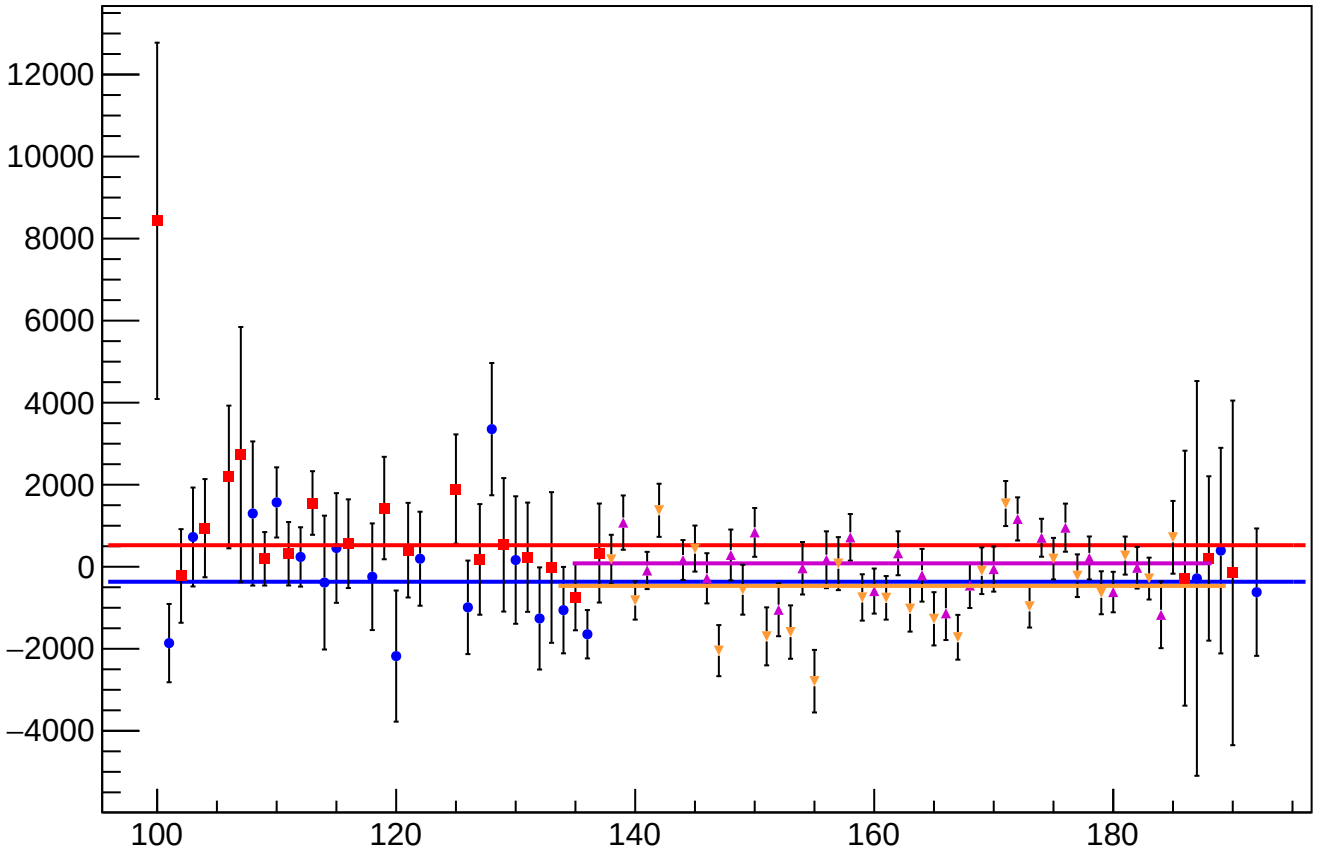
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 781.596+/-0.130 χ^2/NDF: 29450.1/39

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

Out: 778.926+/-0.105 χ^2/NDF:20102.7/44

All: 777.465+/-0.074 χ^2/NDF: 35885.5/86



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: 524.942+/-259.266 χ^2/NDF: 11.8/20

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

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

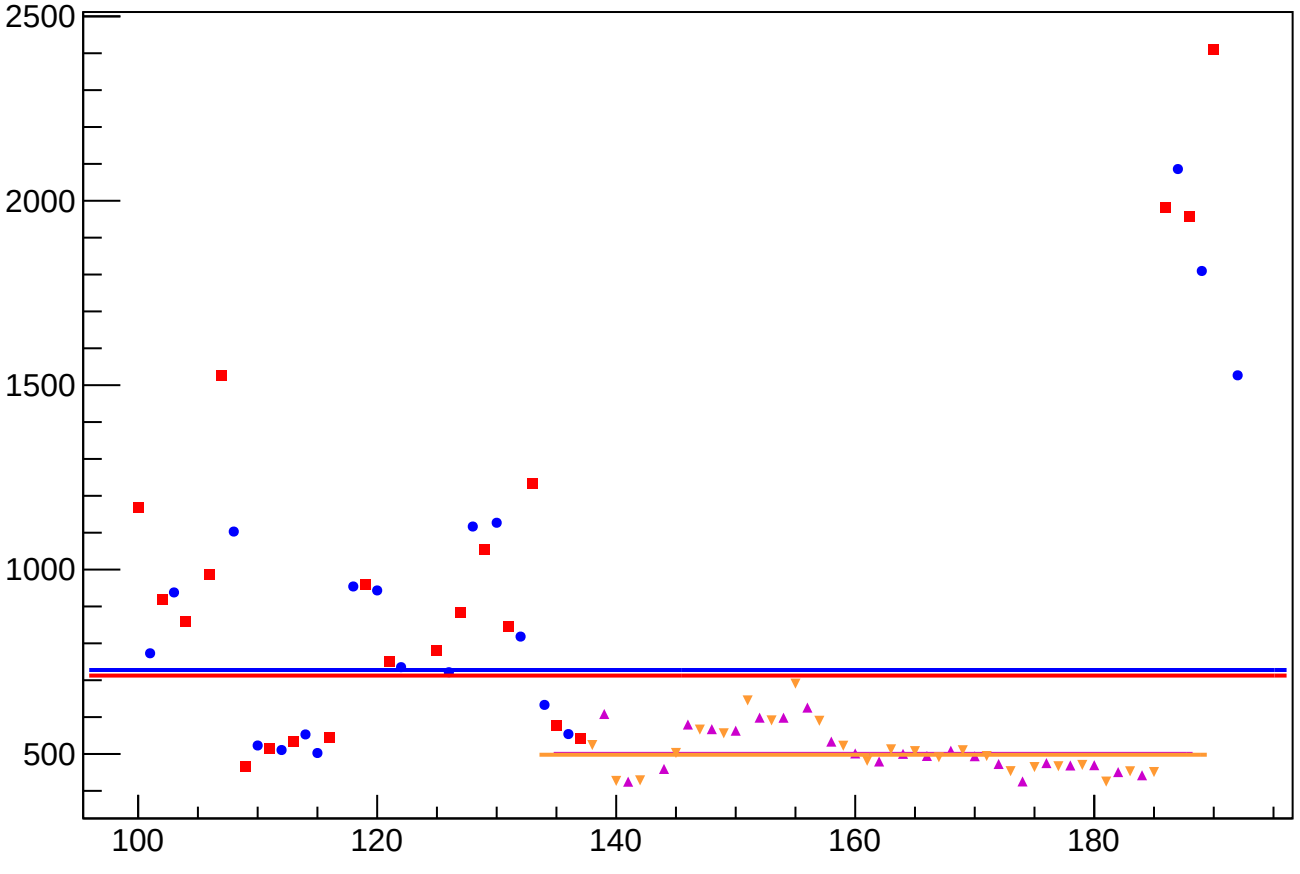
Right: 82.671+/-183.950 χ^2/NDF: 41.1/39

In: 7.209+/-107.379 χ^2/NDF:54.0/41

Out: -299.981+/-106.426 χ^2/NDF:88.4/44

All: -147.755+/-75.589 χ^2/NDF: 146.5/86

asym_us_dd_reg_correction_rms vs Slug, Sign Corrected



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: 712.577+/-0.183 χ^2/NDF: 2785418.7/20

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

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

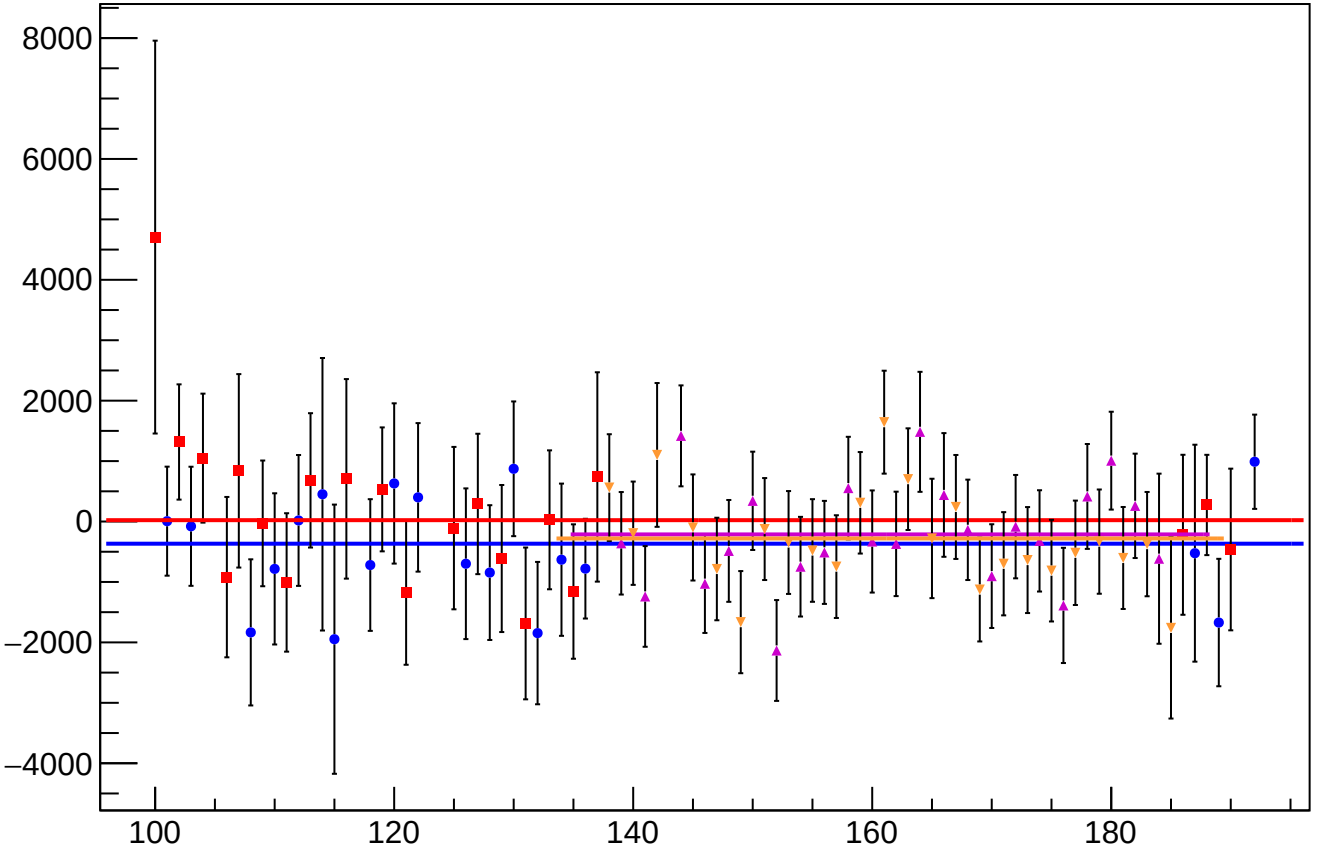
Right: 720.090+/-0.130 χ^2/NDF: 4927203.0/39

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

Out: 534.128+/-0.075 χ^2/NDF:4451884.3/44

All: 536.437+/-0.053 χ^2/NDF: 8330551.5/86

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: 22.469+/-261.431 χ^2/NDF: 11.9/20

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

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

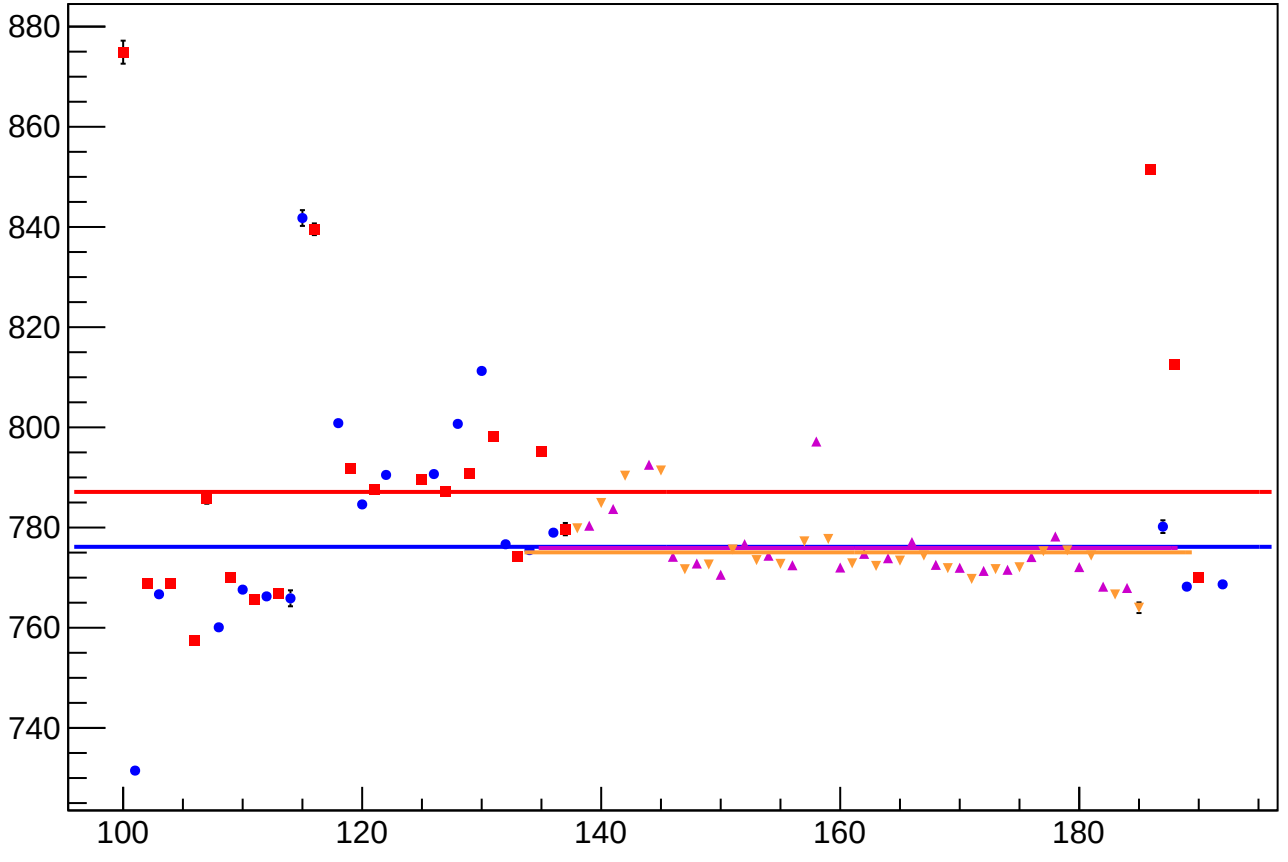
Right: -173.514+/-184.233 χ^2/NDF: 24.6/39

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

Out: -183.061+/-148.190 χ^2/NDF:28.9/44

All: -223.255+/-104.924 χ^2/NDF: 63.3/86

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: 787.113+/-0.185 χ^2/NDF: 15261.3/20

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

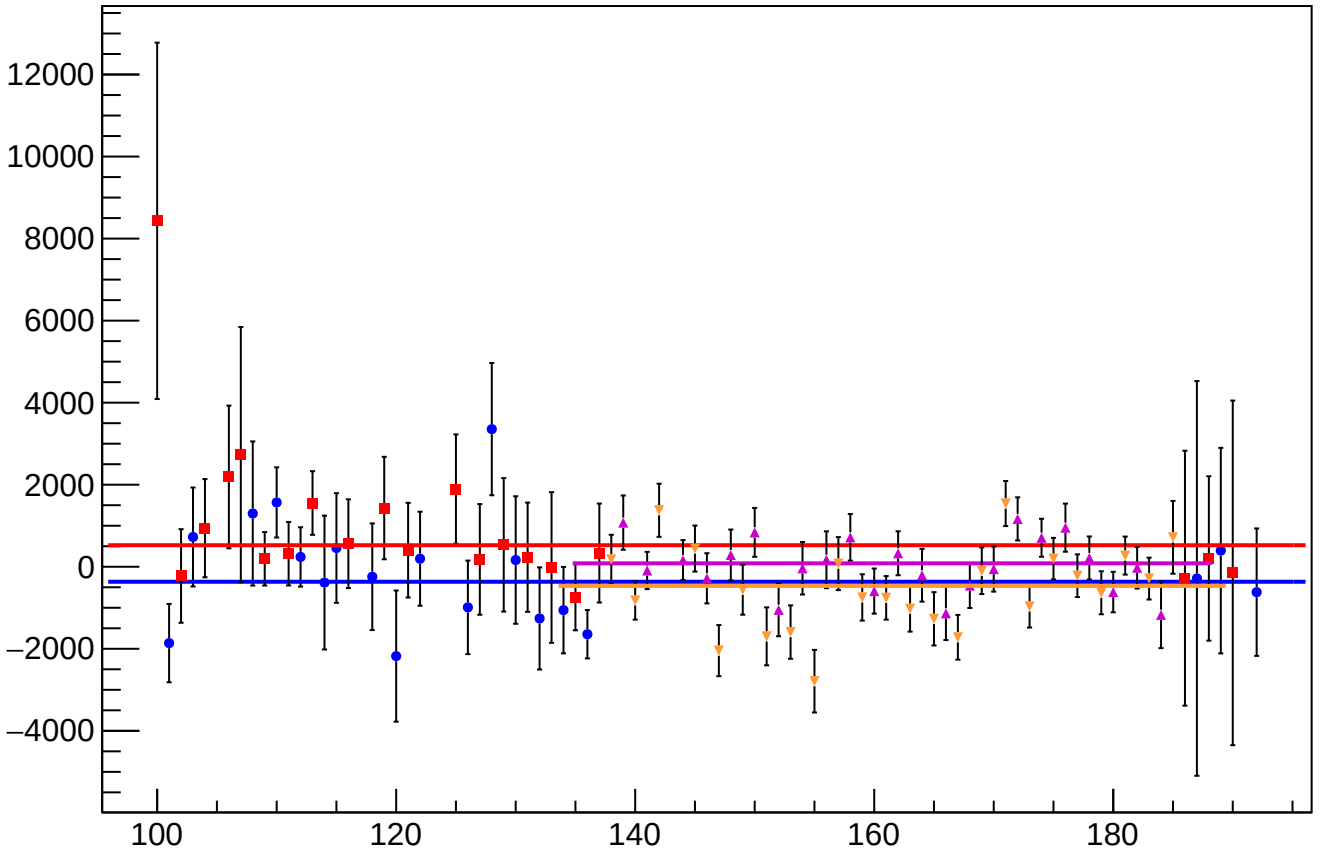
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 781.596+/-0.130 χ^2/NDF: 29450.1/39

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

Out: 778.926+/-0.105 χ^2/NDF:20102.7/44

All: 777.465+/-0.074 χ^2/NDF: 35885.5/86



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: 524.942+/-259.266 χ^2/NDF: 11.8/20

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

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

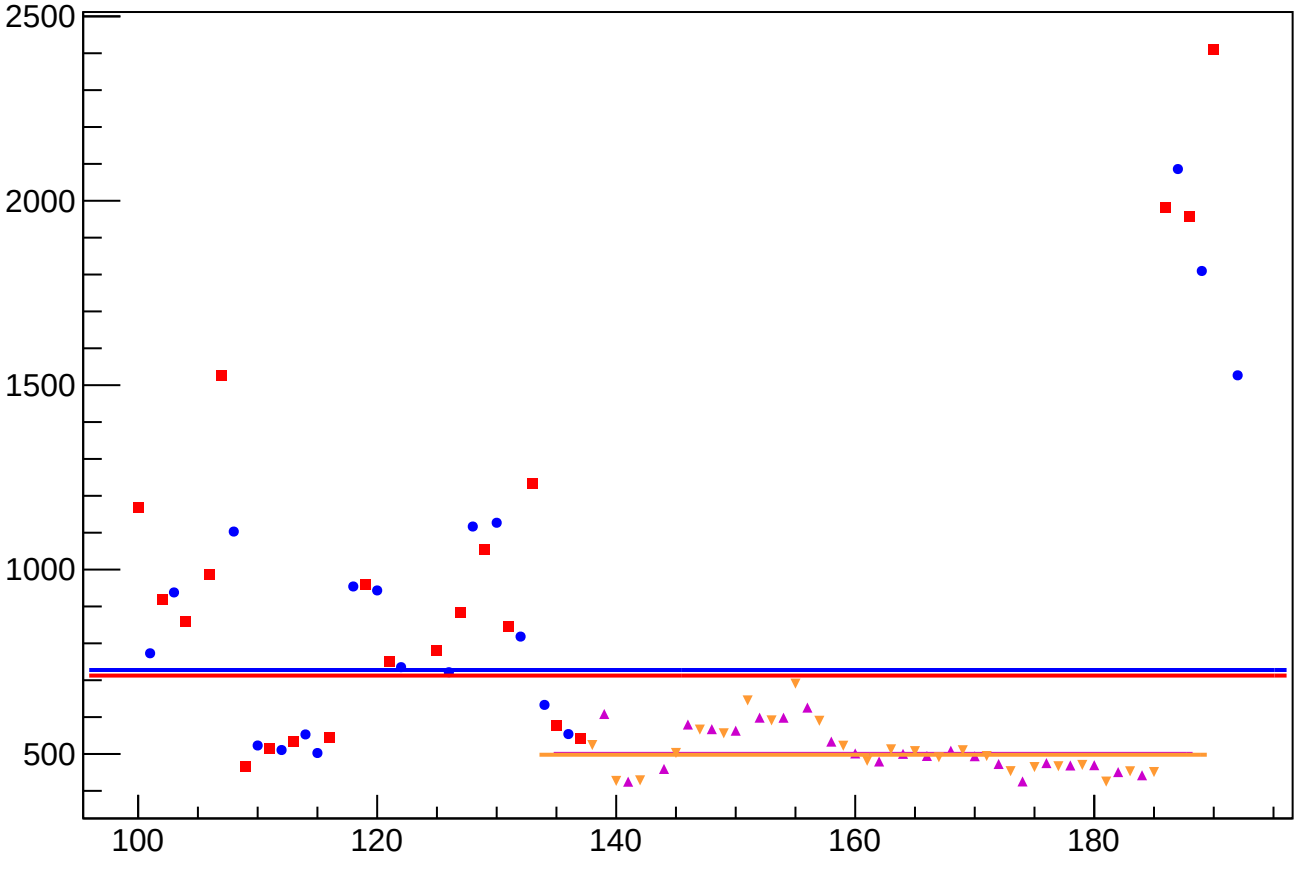
Right: 82.671+/-183.950 χ^2/NDF: 41.1/39

In: 7.209+/-107.379 χ^2/NDF:54.0/41

Out: -299.981+/-106.426 χ^2/NDF:88.4/44

All: -147.755+/-75.589 χ^2/NDF: 146.5/86

asym_us_dd_cor_correction_rms vs Slug, Sign Corrected



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: 712.577+/-0.183 χ^2/NDF: 2785418.7/20

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

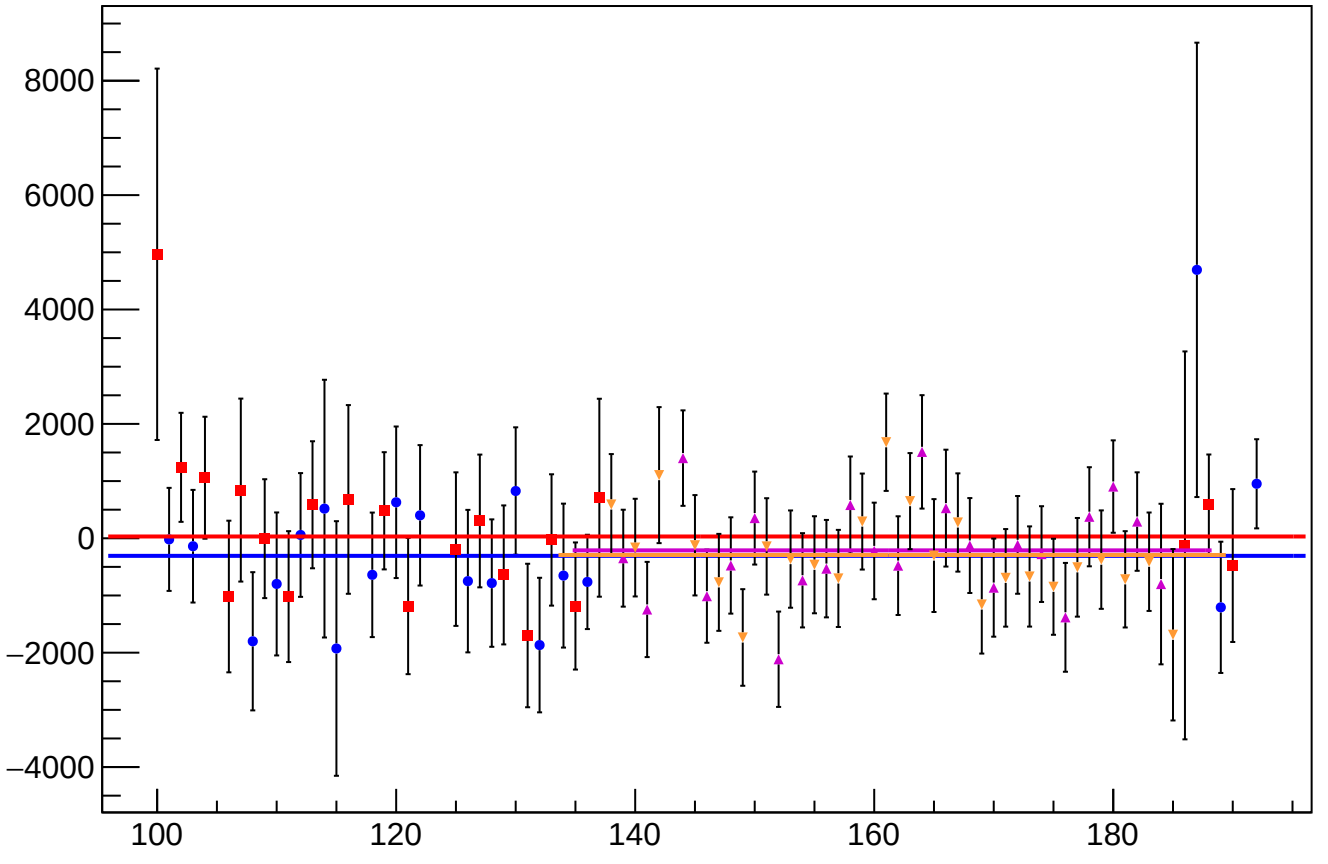
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 720.090+/-0.130 χ^2/NDF: 4927203.0/39

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

Out: 534.128+/-0.075 χ^2/NDF:4451884.3/44

All: 536.437+/-0.053 χ^2/NDF: 8330551.5/86



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: 31.450+/-266.987 χ^2/NDF: 12.4/20

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

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

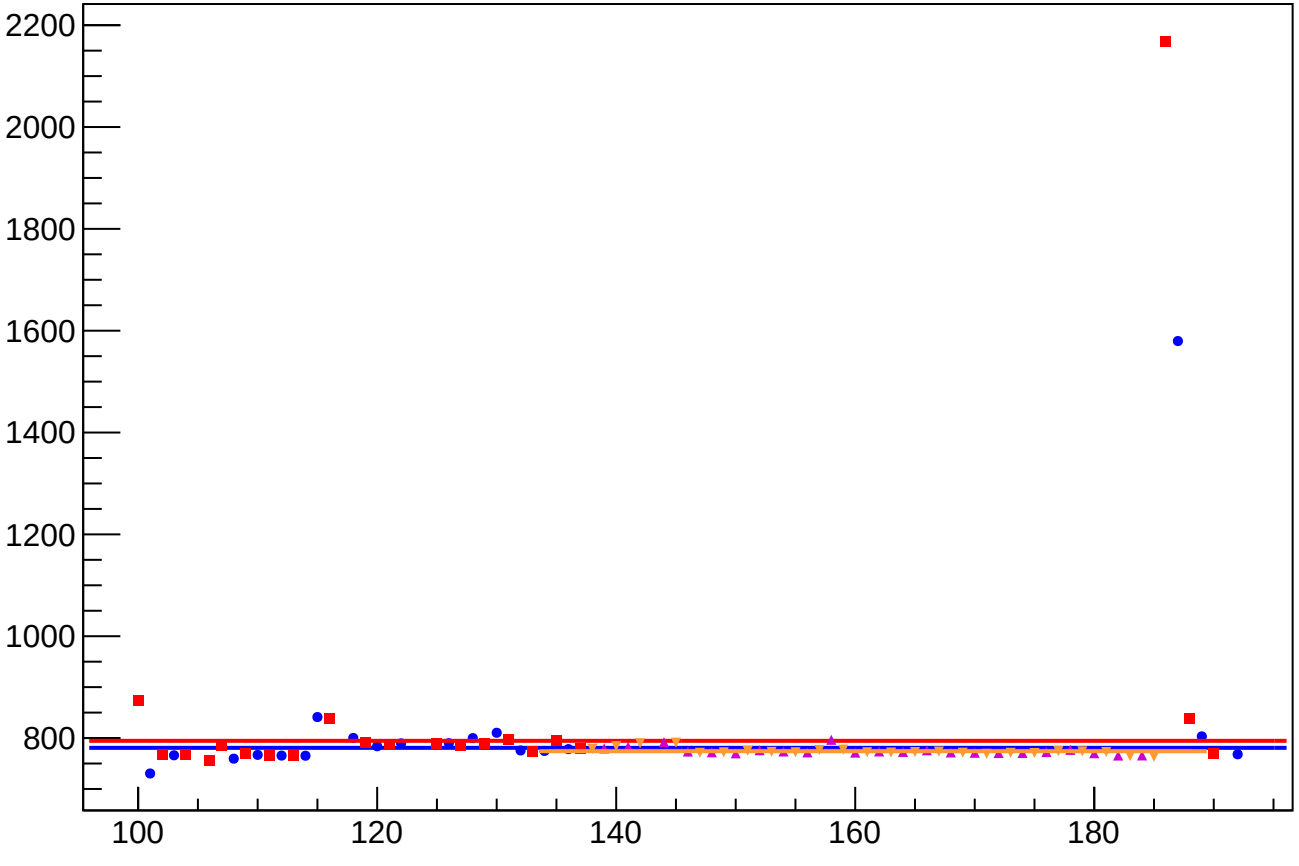
Right: -140.475+/-187.322 χ^2/NDF: 25.0/39

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

Out: -191.203+/-149.061 χ^2/NDF:30.0/44

All: -216.640+/-105.399 χ^2/NDF: 64.1/86

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



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: 794.553+/-0.189 χ^2/NDF: 345387.2/20

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

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

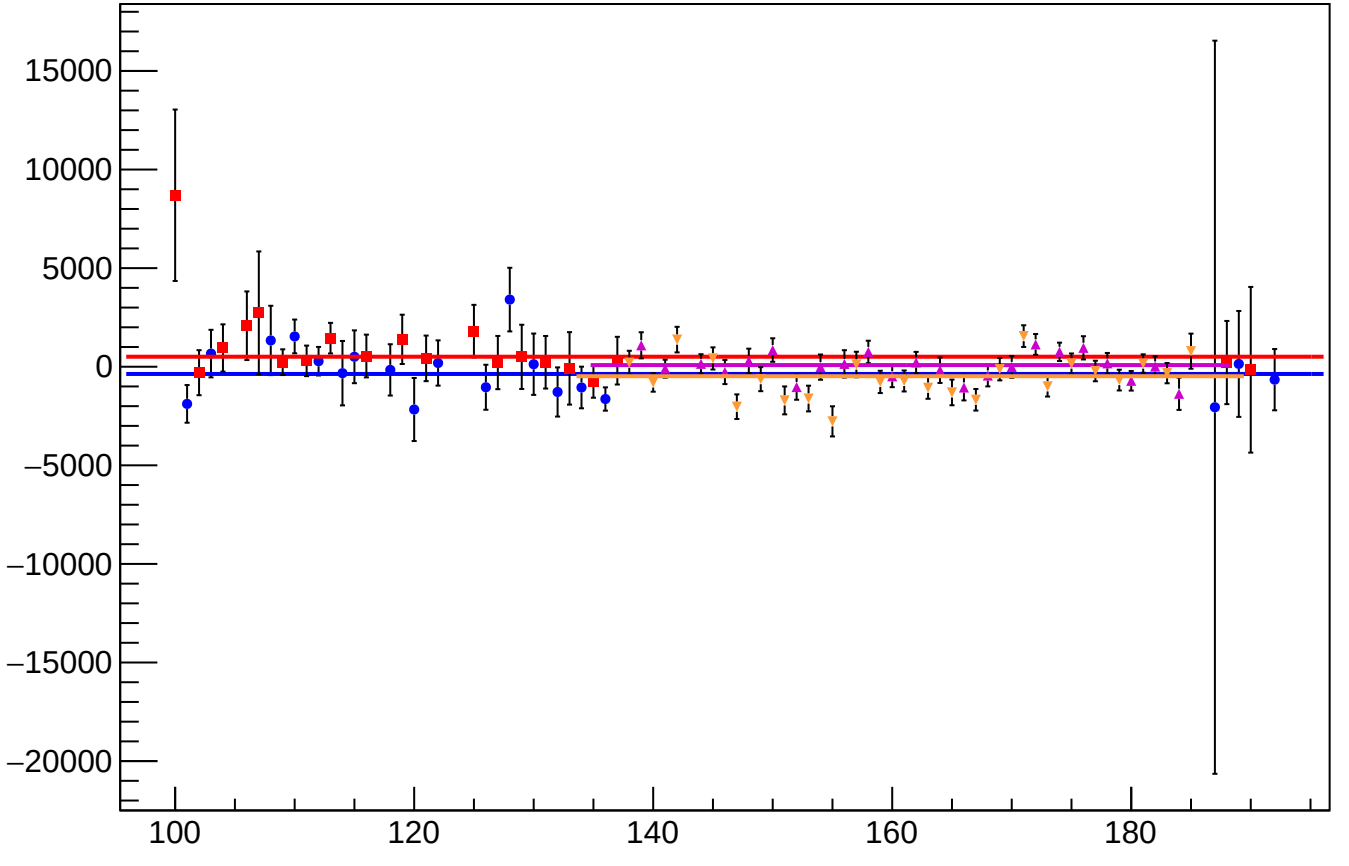
Right: 787.575+/-0.132 χ^2/NDF: 442756.0/39

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

Out: 780.504+/-0.105 χ^2/NDF:355493.2/44

All: 778.682+/-0.075 χ^2/NDF: 454582.5/86

asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -366.694+/-261.942 χ^2/NDF: 23.5/18

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

Right Out: 508.085+/-260.771 χ^2/NDF: 11.4/19

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

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

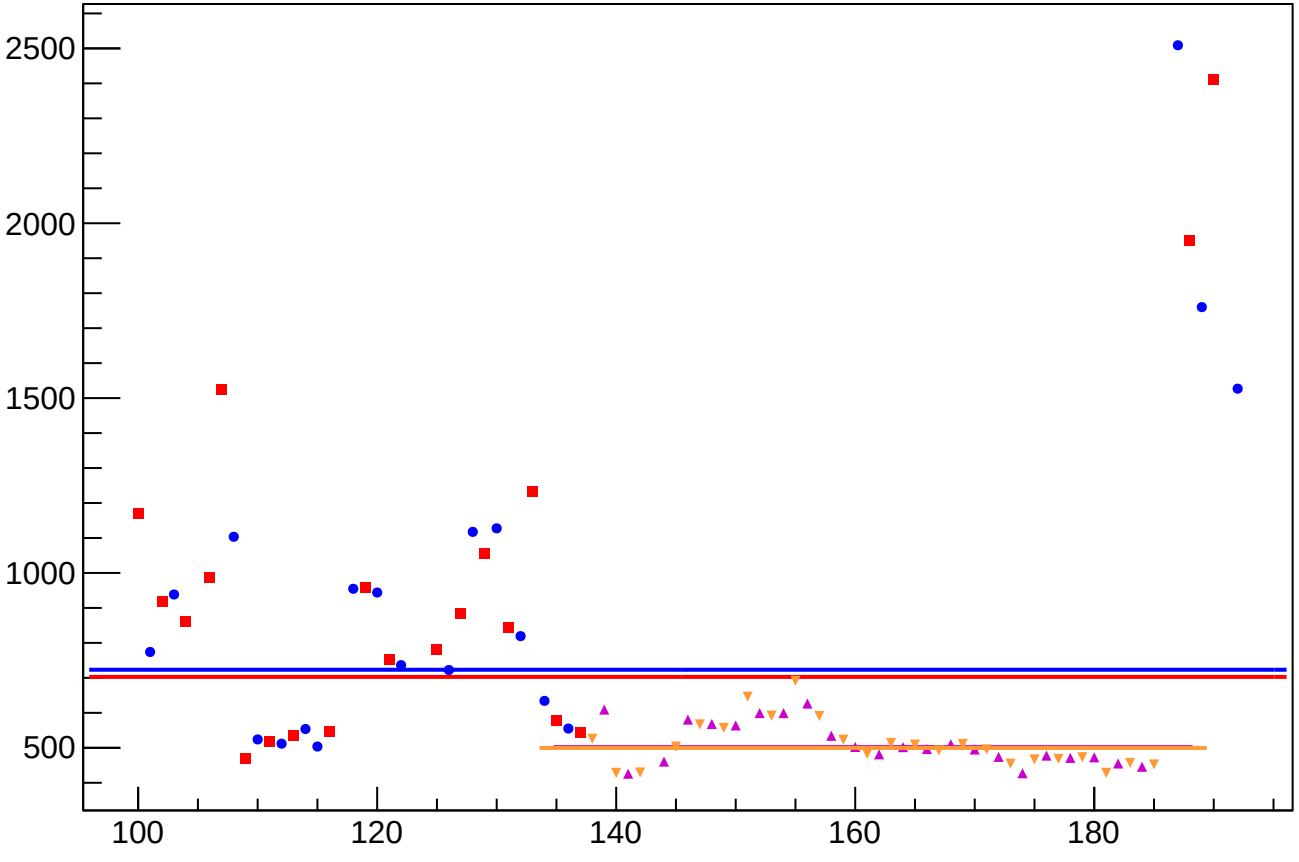
Right: 72.654+/-184.806 χ^2/NDF: 40.5/38

In: 7.093+/-107.734 χ^2/NDF:54.1/41

Out: -315.303+/-106.817 χ^2/NDF:86.9/43

All: -155.483+/-75.853 χ^2/NDF: 145.6/85

asym_us_dd_overload_cor_correction_rms vs Slug, Sign Corrected



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: 702.729+/-0.184 χ^2/NDF: 2358770.3/19

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

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

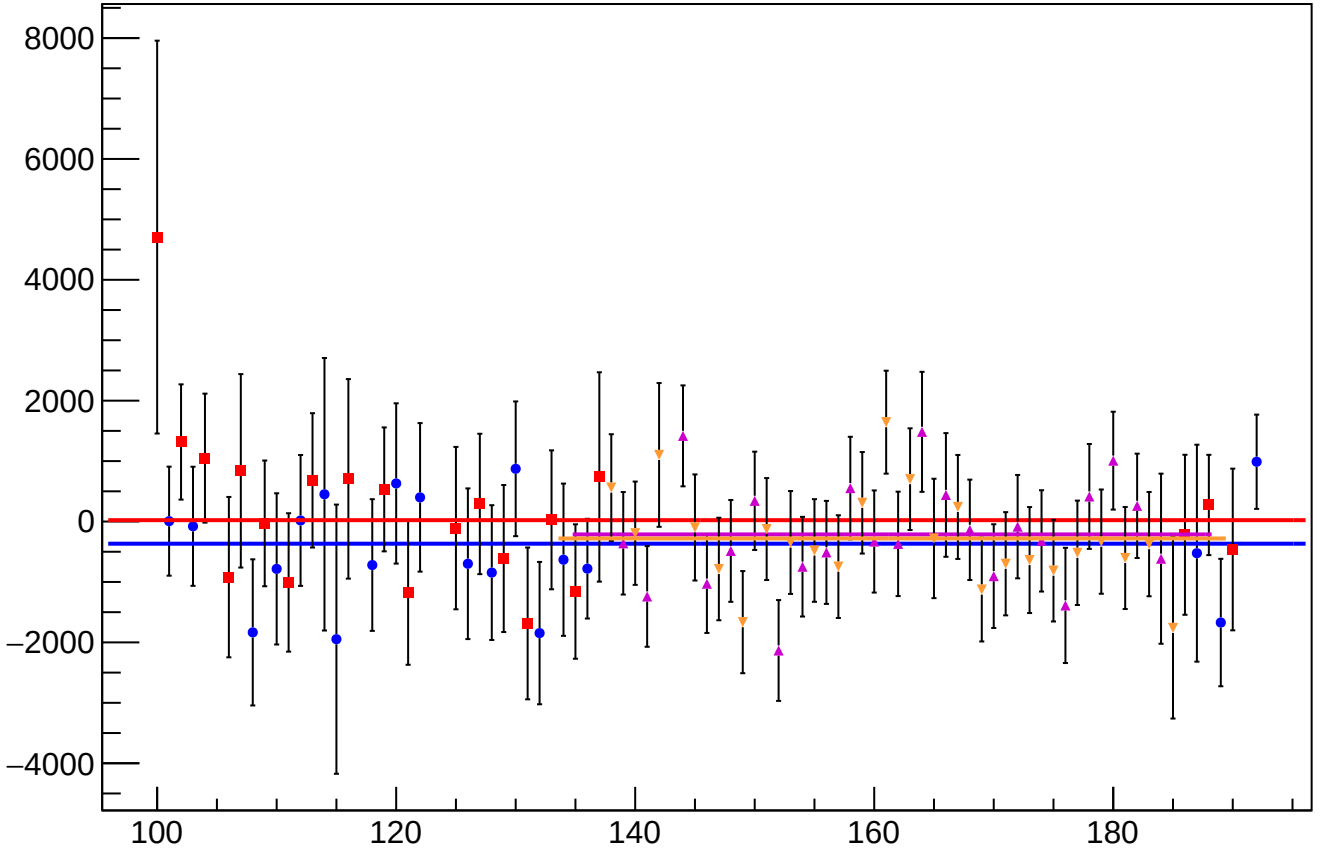
Right: 712.926+/-0.131 χ^2/NDF: 4278305.7/38

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

Out: 533.741+/-0.076 χ^2/NDF:3884306.9/43

All: 536.568+/-0.054 χ^2/NDF: 7452832.0/85

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: 22.469+/-261.431 χ^2/NDF: 11.9/20

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

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

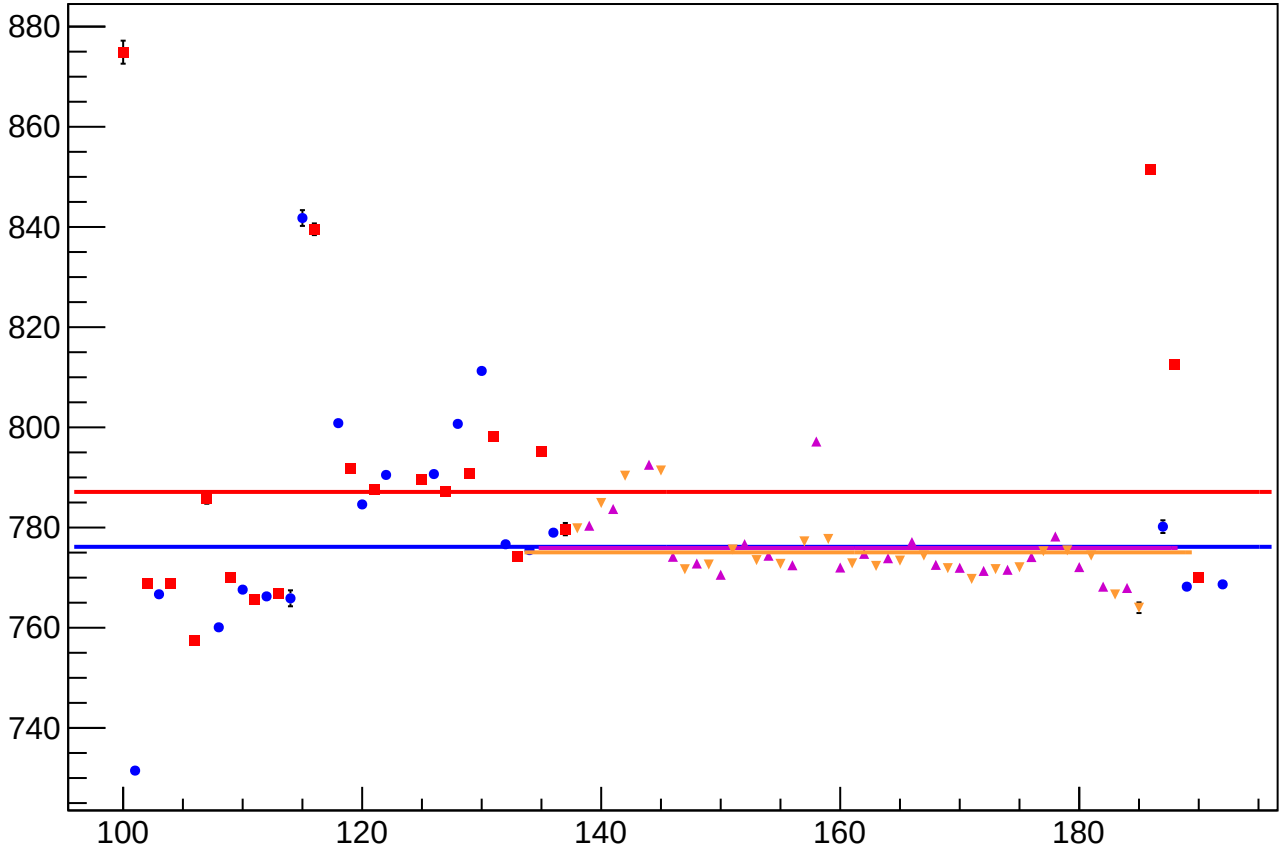
Right: -173.514+/-184.233 χ^2/NDF: 24.6/39

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

Out: -183.061+/-148.190 χ^2/NDF:28.9/44

All: -223.255+/-104.924 χ^2/NDF: 63.3/86

eigen_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: 787.113+/-0.185 χ^2/NDF: 15261.3/20

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

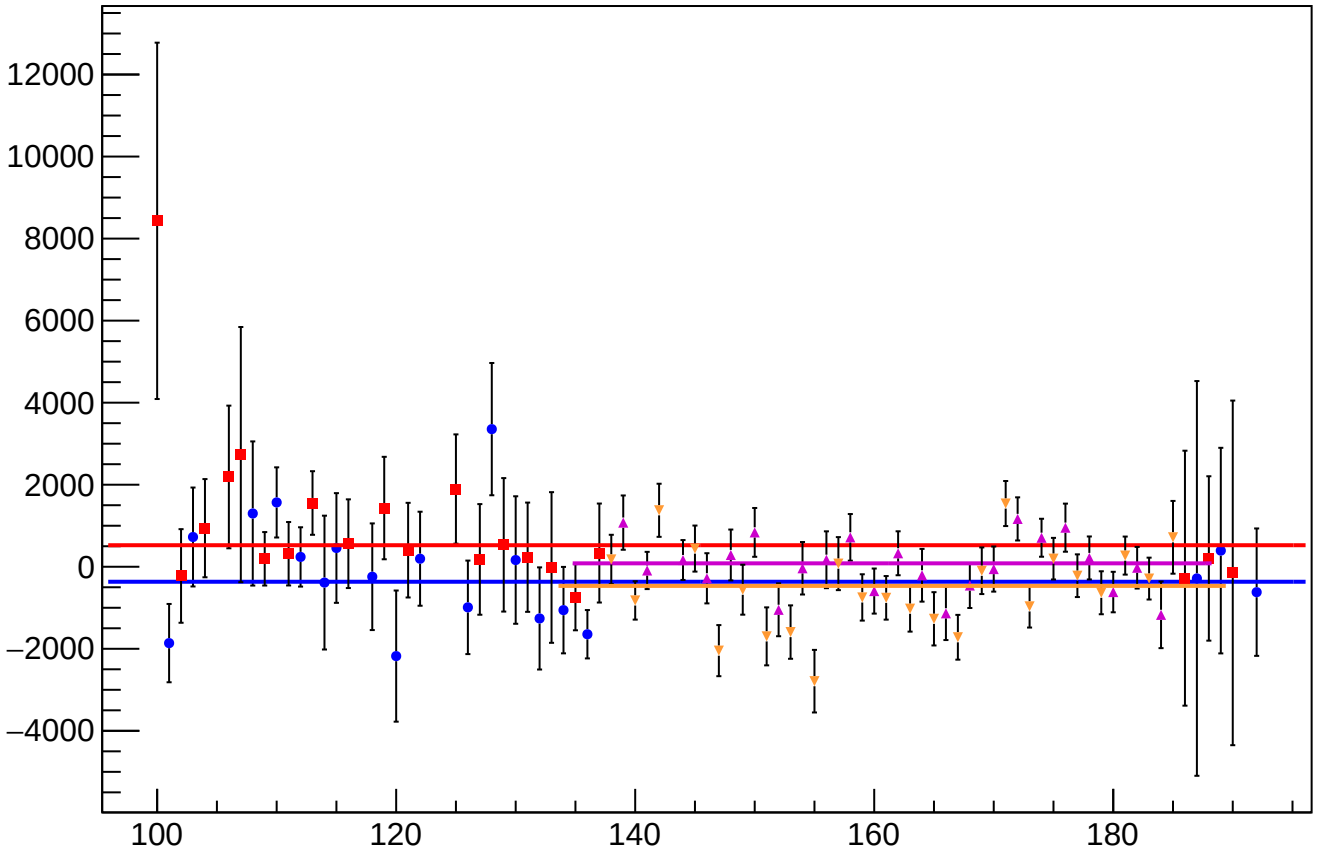
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 781.596+/-0.130 χ^2/NDF: 29450.1/39

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

Out: 778.926+/-0.105 χ^2/NDF:20102.7/44

All: 777.465+/-0.074 χ^2/NDF: 35885.5/86



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: 524.942+/-259.266 χ^2/NDF: 11.8/20

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

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

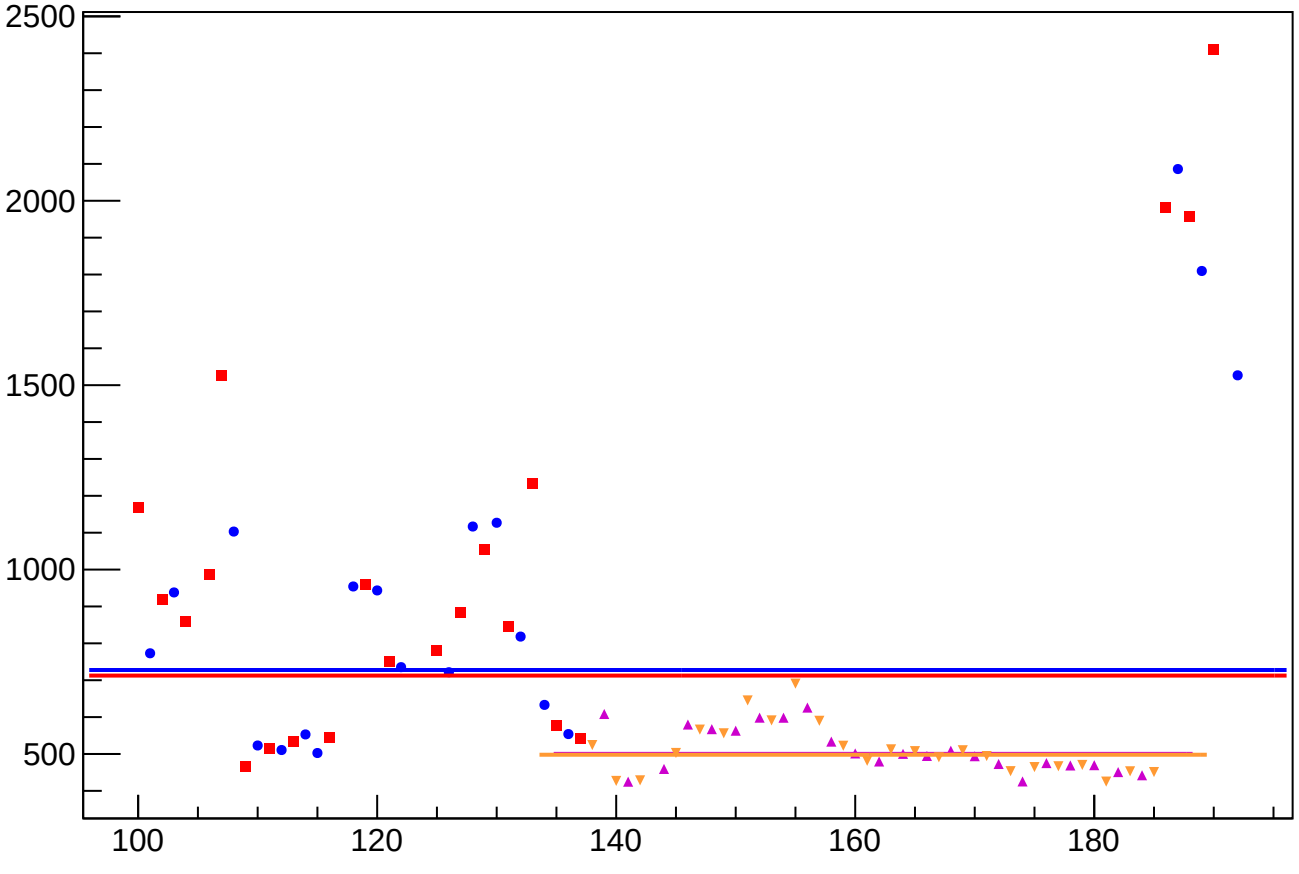
Right: 82.671+/-183.950 χ^2/NDF: 41.1/39

In: 7.209+/-107.379 χ^2/NDF:54.0/41

Out: -299.981+/-106.426 χ^2/NDF:88.4/44

All: -147.755+/-75.589 χ^2/NDF: 146.5/86

asym_us_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 712.577+/-0.183 χ^2/NDF: 2785418.7/20

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

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

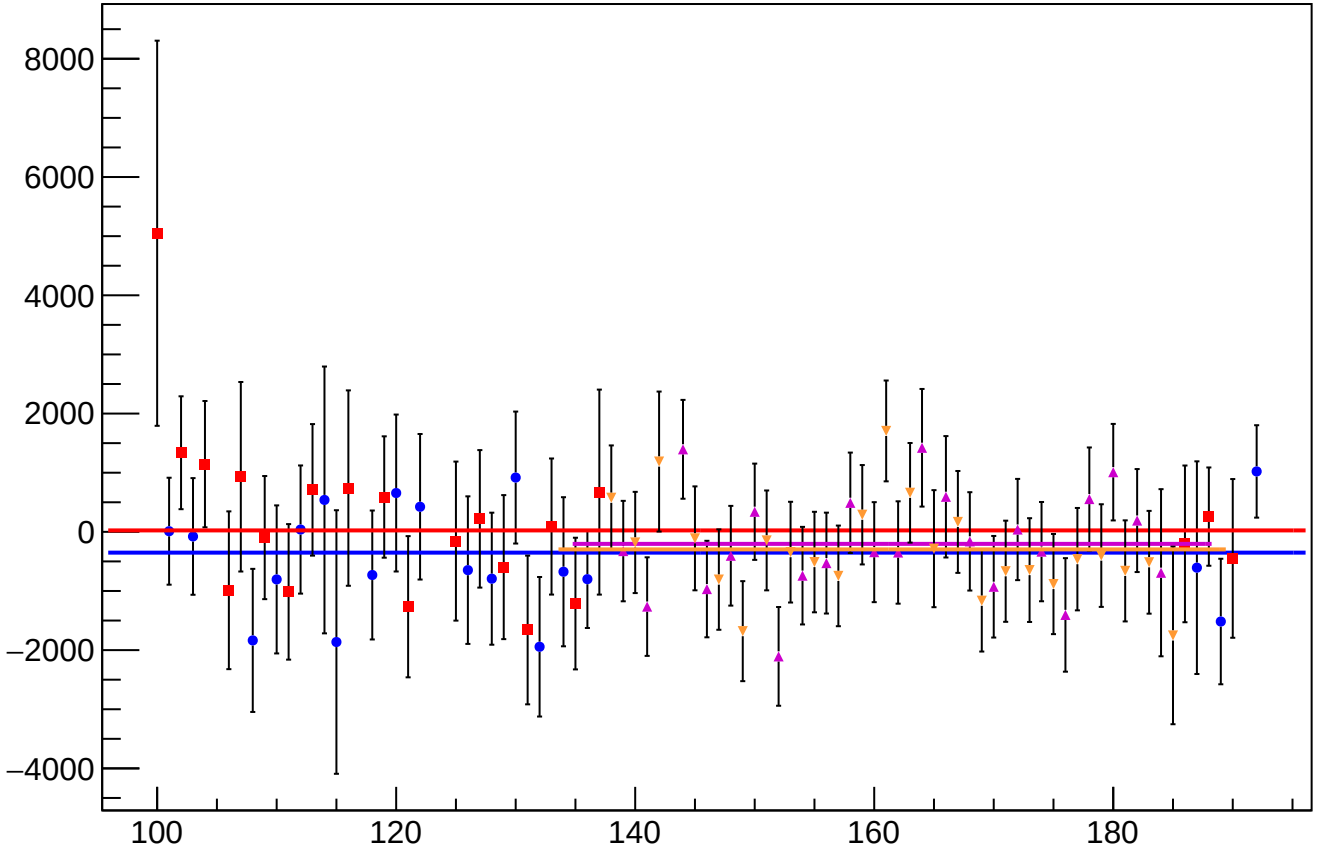
Right: 720.090+/-0.130 χ^2/NDF: 4927203.0/39

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

Out: 534.128+/-0.075 χ^2/NDF:4451884.3/44

All: 536.437+/-0.053 χ^2/NDF: 8330551.5/86

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: 24.252+/-261.727 χ^2/NDF: 12.9/20

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

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

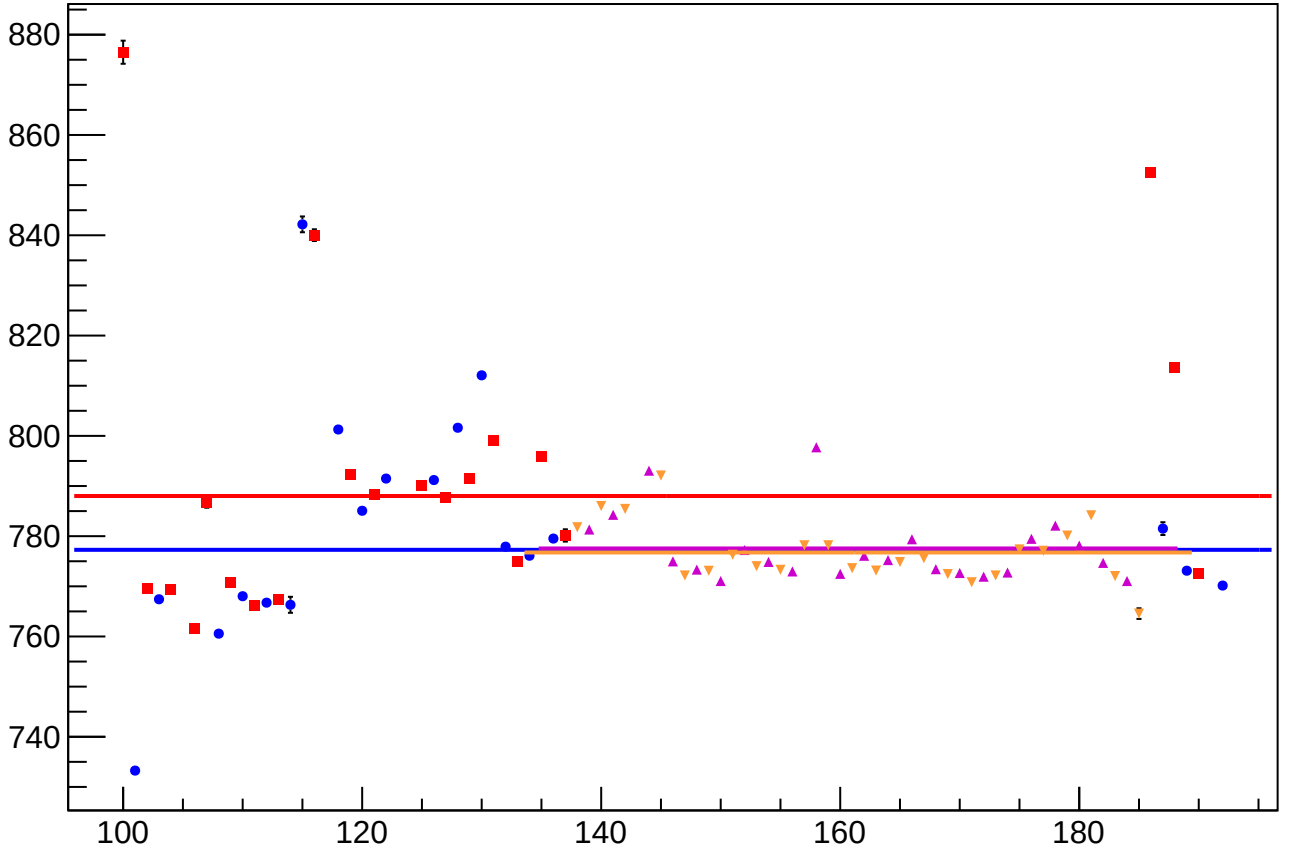
Right: -164.905+/-184.470 χ^2/NDF: 25.6/39

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

Out: -193.470+/-148.468 χ^2/NDF:30.6/44

All: -222.625+/-105.121 χ^2/NDF: 64.7/86

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: 788.008+/-0.185 χ^2/NDF: 15097.8/20

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

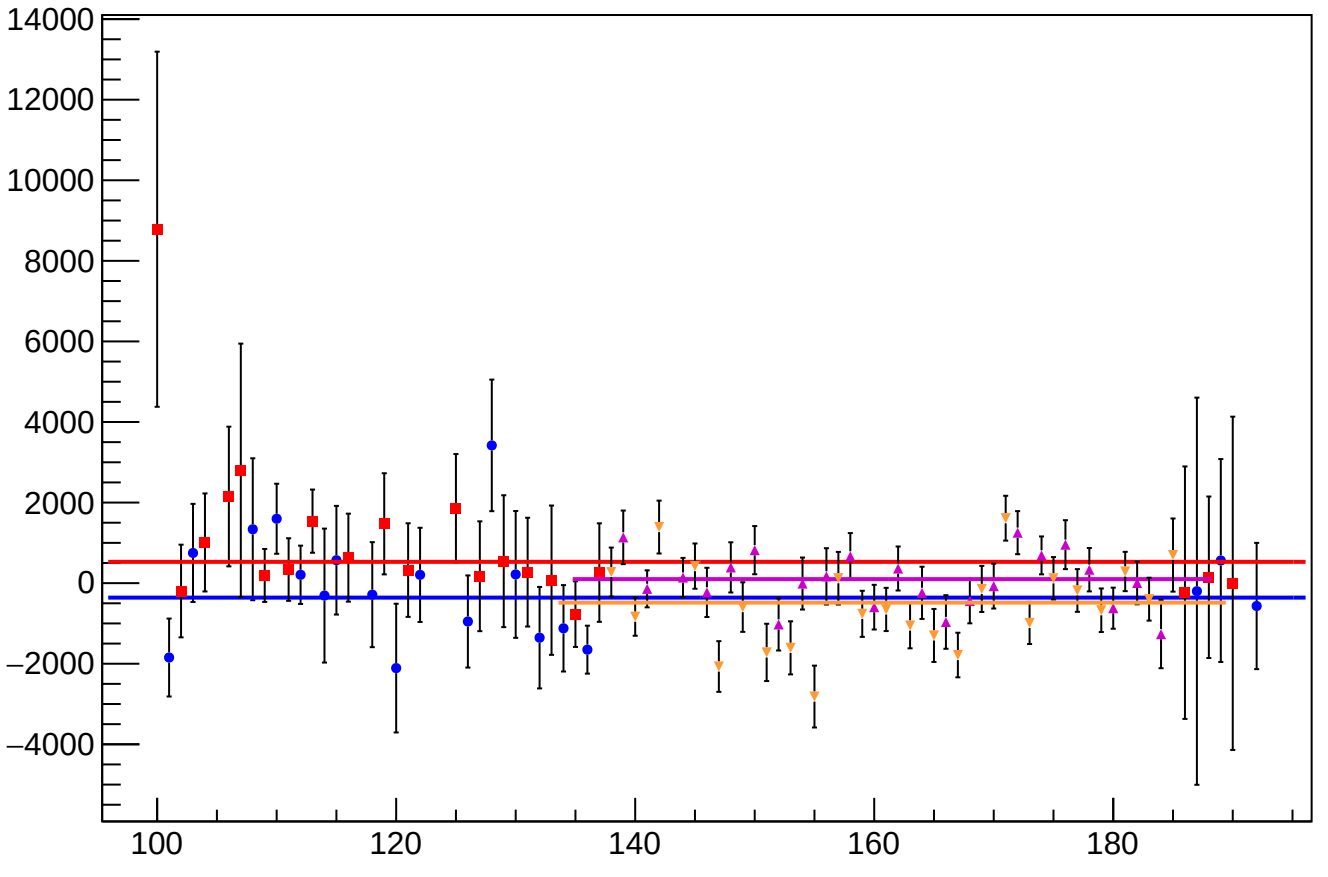
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 782.609+/-0.130 χ^2/NDF: 28825.6/39

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

Out: 780.373+/-0.105 χ^2/NDF:19433.6/44

All: 778.921+/-0.074 χ^2/NDF: 34606.0/86



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: 528.506+/-261.535 χ^2/NDF: 11.9/20

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

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

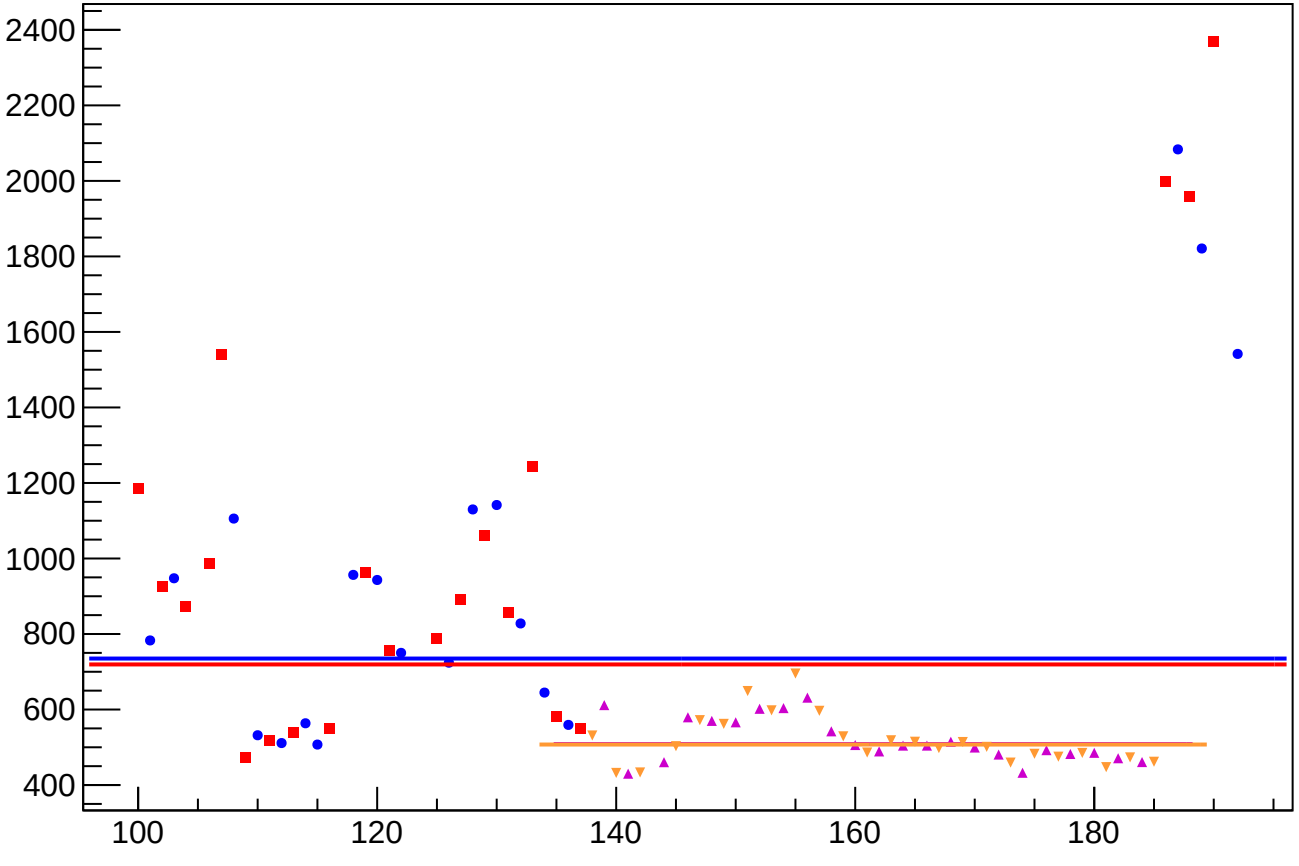
Right: 88.140+/-185.647 χ^2/NDF: 41.1/39

In: 21.513+/-108.969 χ^2/NDF:53.4/41

Out: -309.881+/-108.168 χ^2/NDF:89.4/44

All: -145.407+/-76.768 χ^2/NDF: 147.4/86

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: 719.400+/-0.185 χ^2/NDF: 2767343.0/20

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

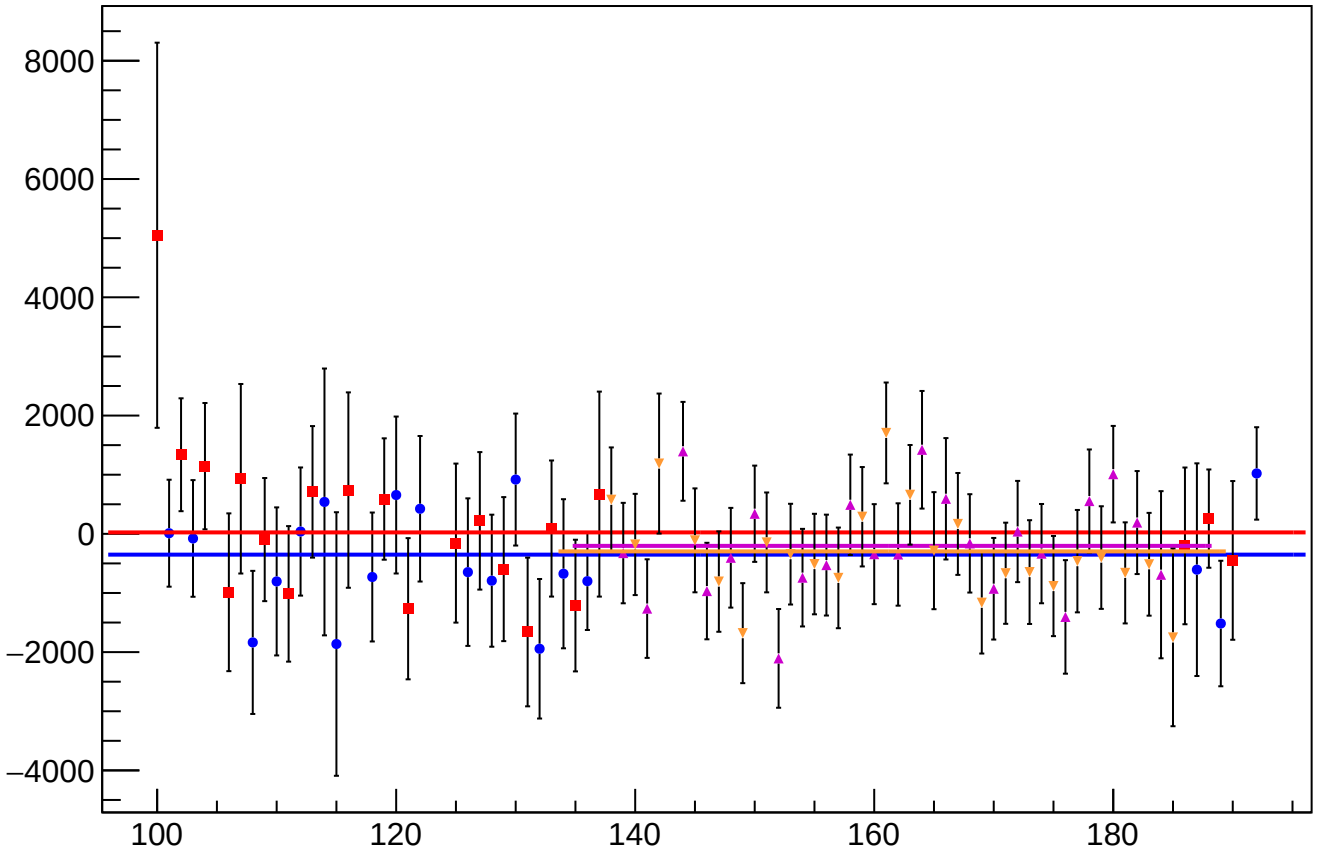
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 727.143+/-0.131 χ^2/NDF: 4905520.3/39

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

Out: 543.597+/-0.076 χ^2/NDF:4331507.5/44

All: 545.451+/-0.054 χ^2/NDF: 8122921.2/86



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: 24.251+/-261.727 χ^2/NDF: 12.9/20

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

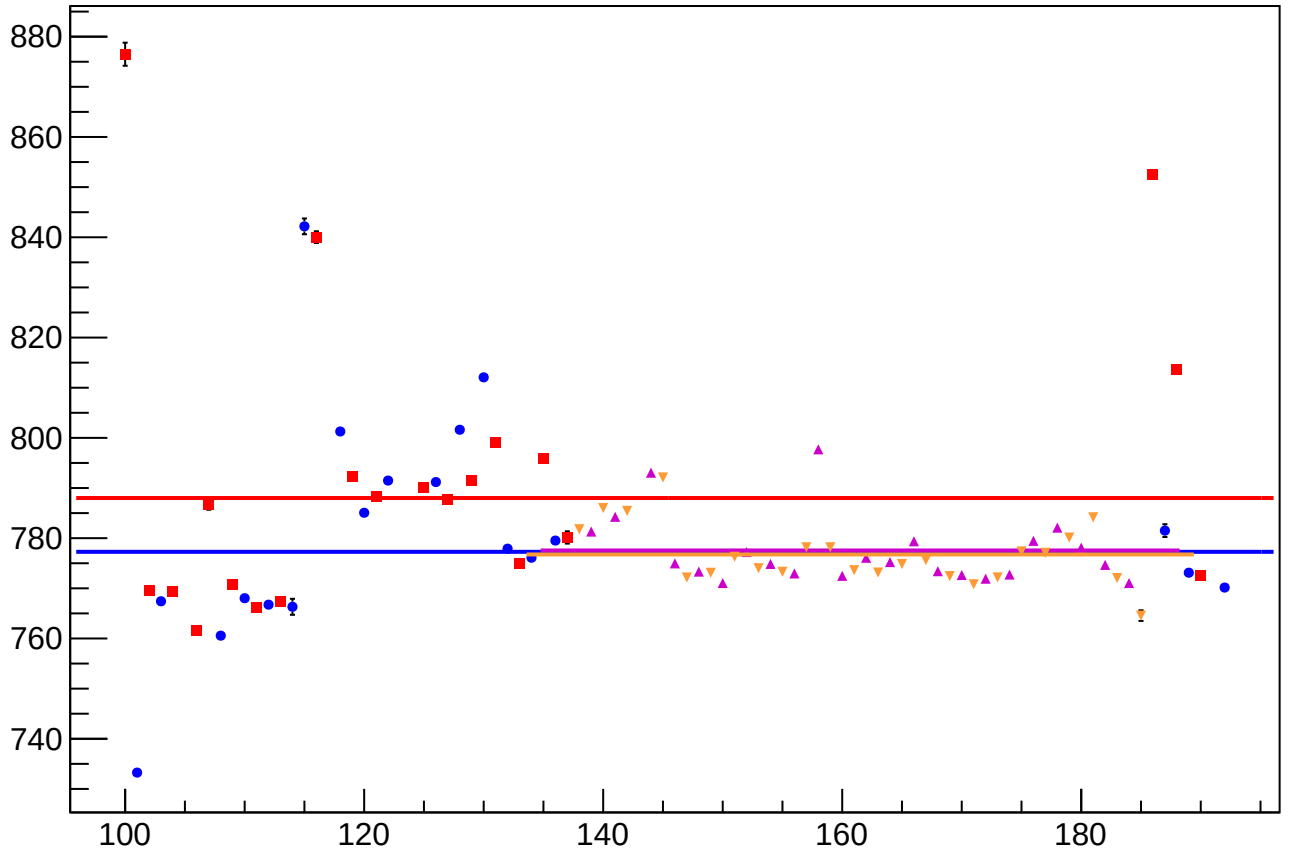
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -164.906+/-184.470 χ^2/NDF: 25.6/39

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

Out: -193.471+/-148.468 χ^2/NDF:30.6/44

All: -222.625+/-105.121 χ^2/NDF: 64.7/86



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: 788.008+/-0.185 χ^2/NDF: 15097.8/20

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

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

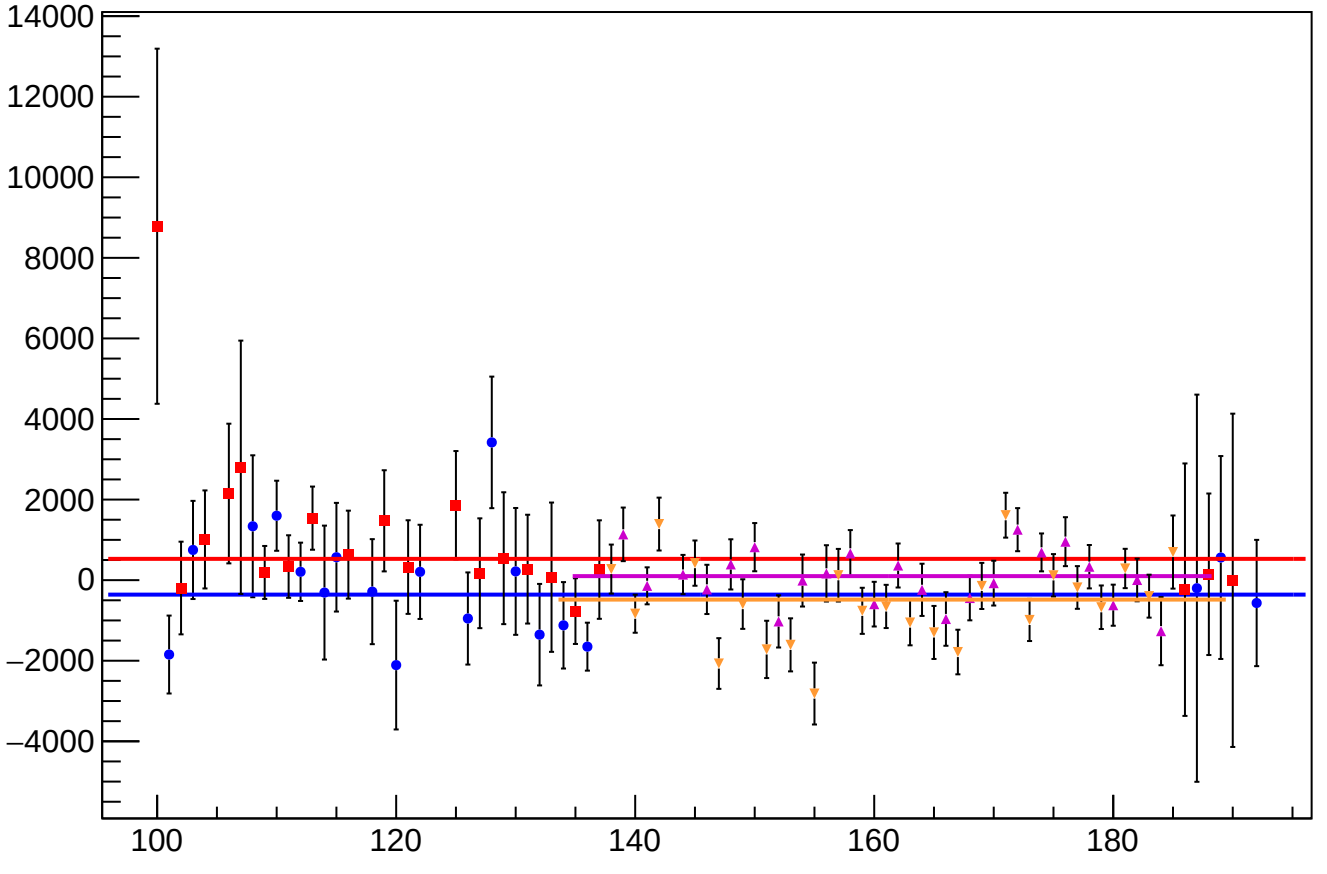
Right: 782.609+/-0.130 χ^2/NDF: 28825.5/39

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

Out: 780.373+/-0.105 χ^2/NDF:19433.6/44

All: 778.921+/-0.074 χ^2/NDF: 34606.0/86

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: 528.505+/-261.534 χ^2/NDF: 11.9/20

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

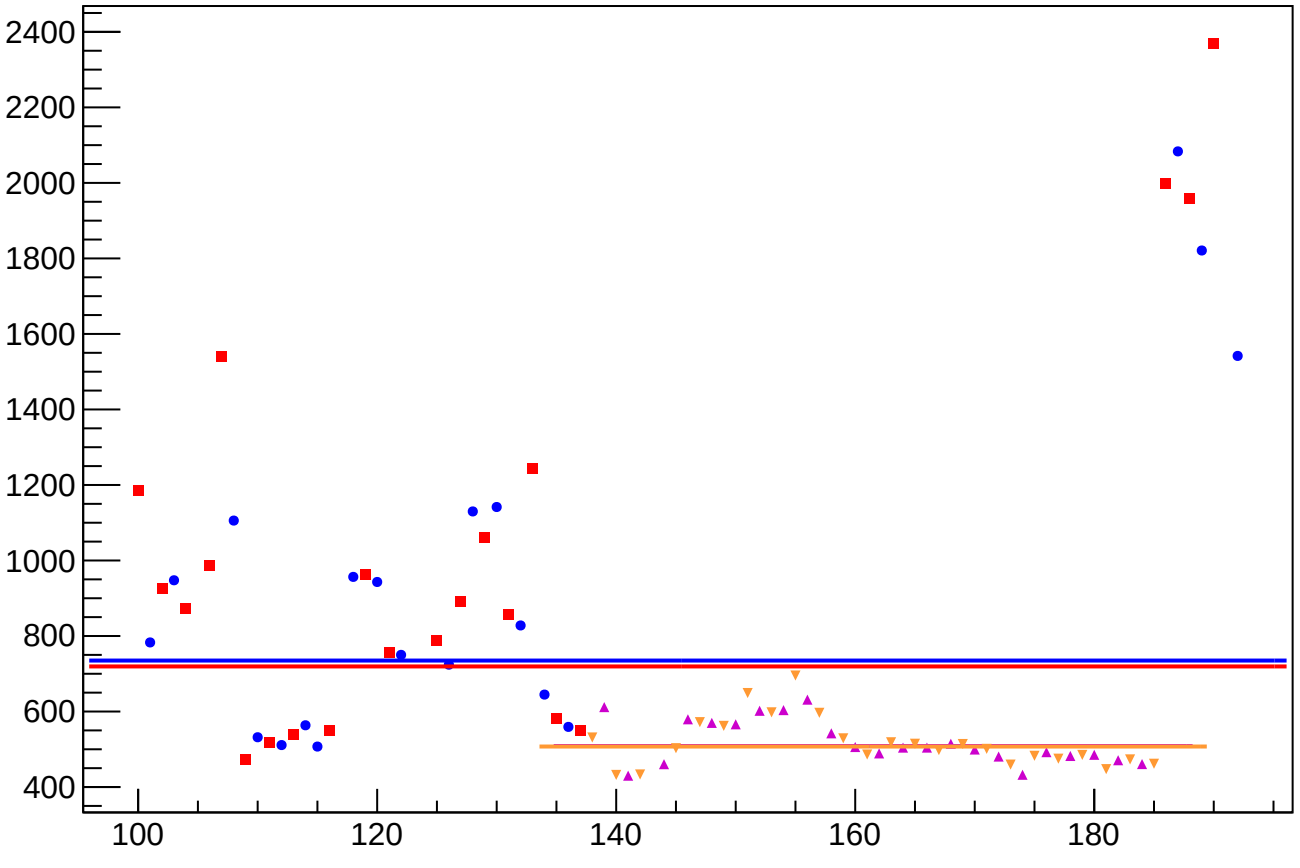
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 88.141+/-185.646 χ^2/NDF: 41.1/39

In: 21.513+/-108.969 χ^2/NDF:53.4/41

Out: -309.880+/-108.168 χ^2/NDF:89.4/44

All: -145.406+/-76.768 χ^2/NDF: 147.4/86



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: 719.396+/-0.185 χ^2/NDF: 2767367.6/20

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

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

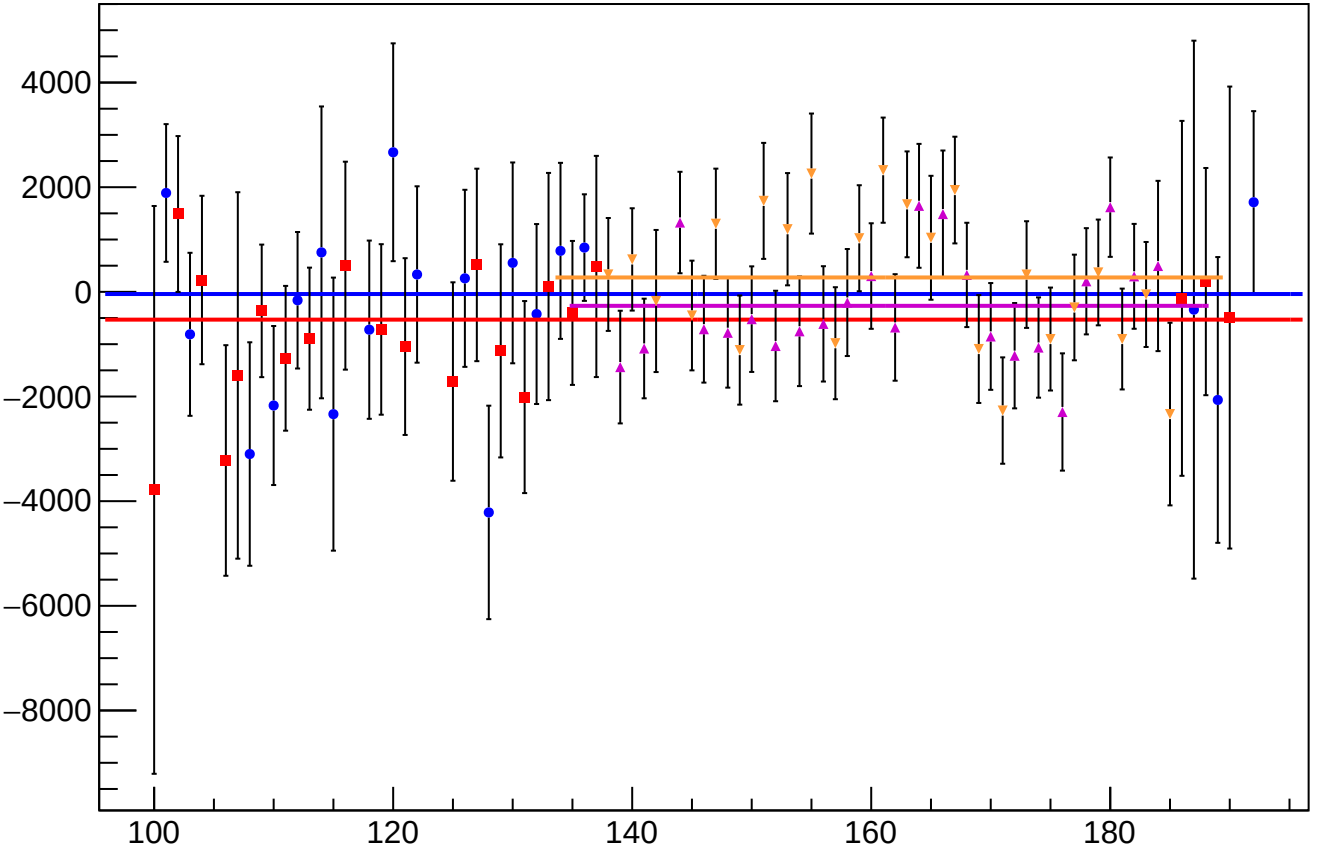
Right: 727.139+/-0.131 χ^2/NDF: 4905560.4/39

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

Out: 543.596+/-0.076 χ^2/NDF:4331512.0/44

All: 545.451+/-0.054 χ^2/NDF: 8122925.3/86

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: -530.832+/-399.869 χ^2/NDF: 6.7/20

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

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

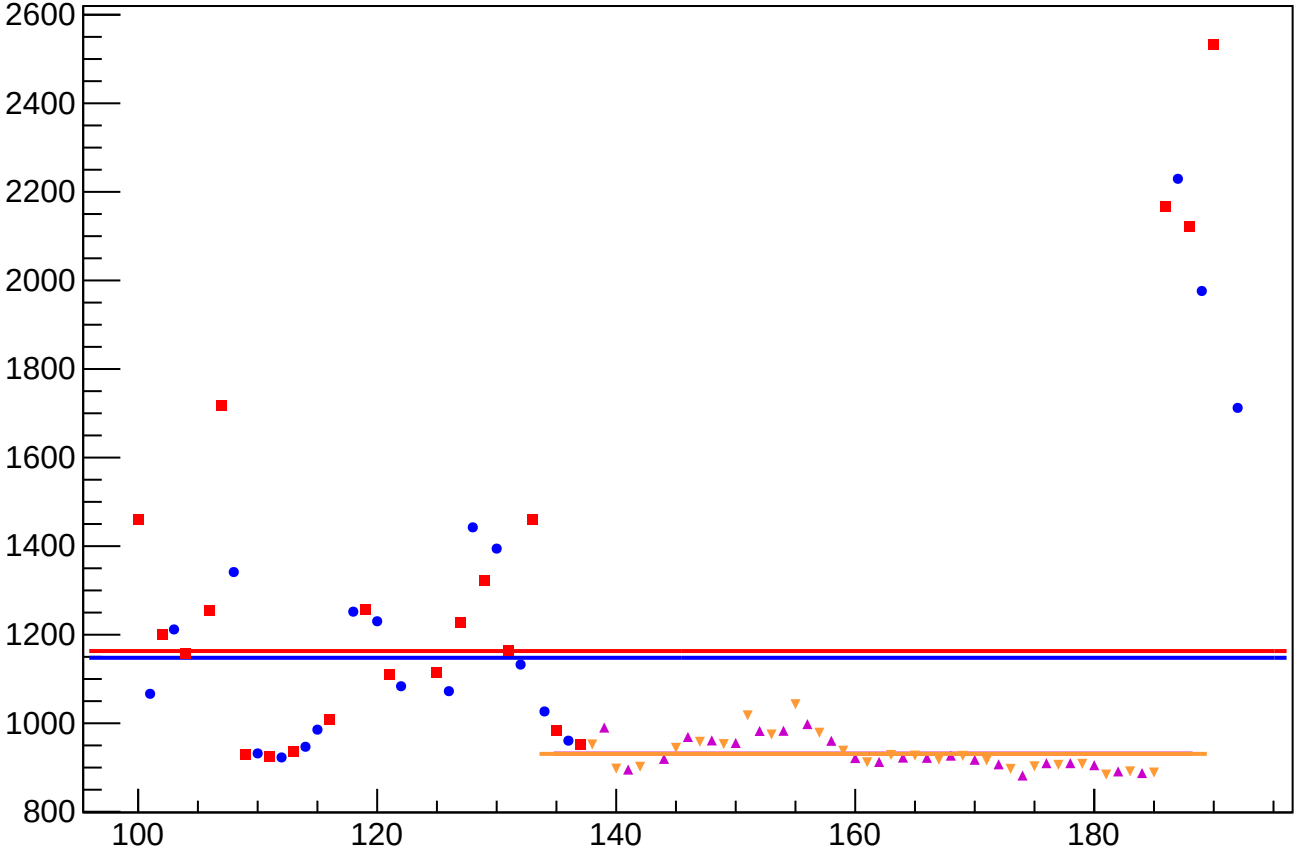
Right: -282.343+/-280.537 χ^2/NDF: 23.5/39

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

Out: 92.740+/-190.243 χ^2/NDF:43.4/44

All: -60.541+/-134.613 χ^2/NDF: 82.5/86

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: 1163.127+/-0.283 χ^2/NDF: 1130886.4/20

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

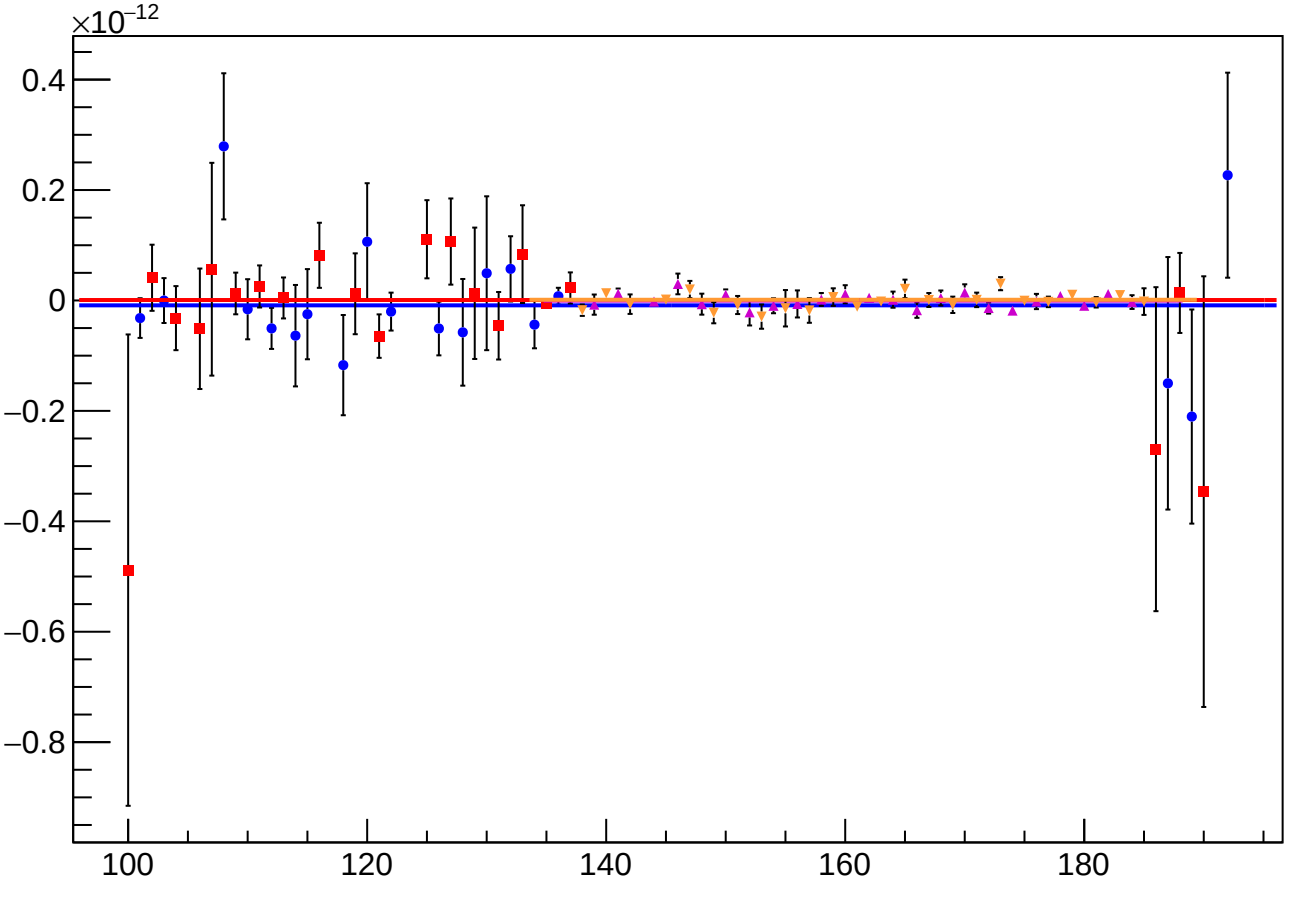
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1155.396+/-0.198 χ^2/NDF: 1931010.2/39

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

Out: 983.482+/-0.135 χ^2/NDF:1714612.3/44

All: 982.852+/-0.095 χ^2/NDF: 3024772.1/86



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: 16.0/20

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

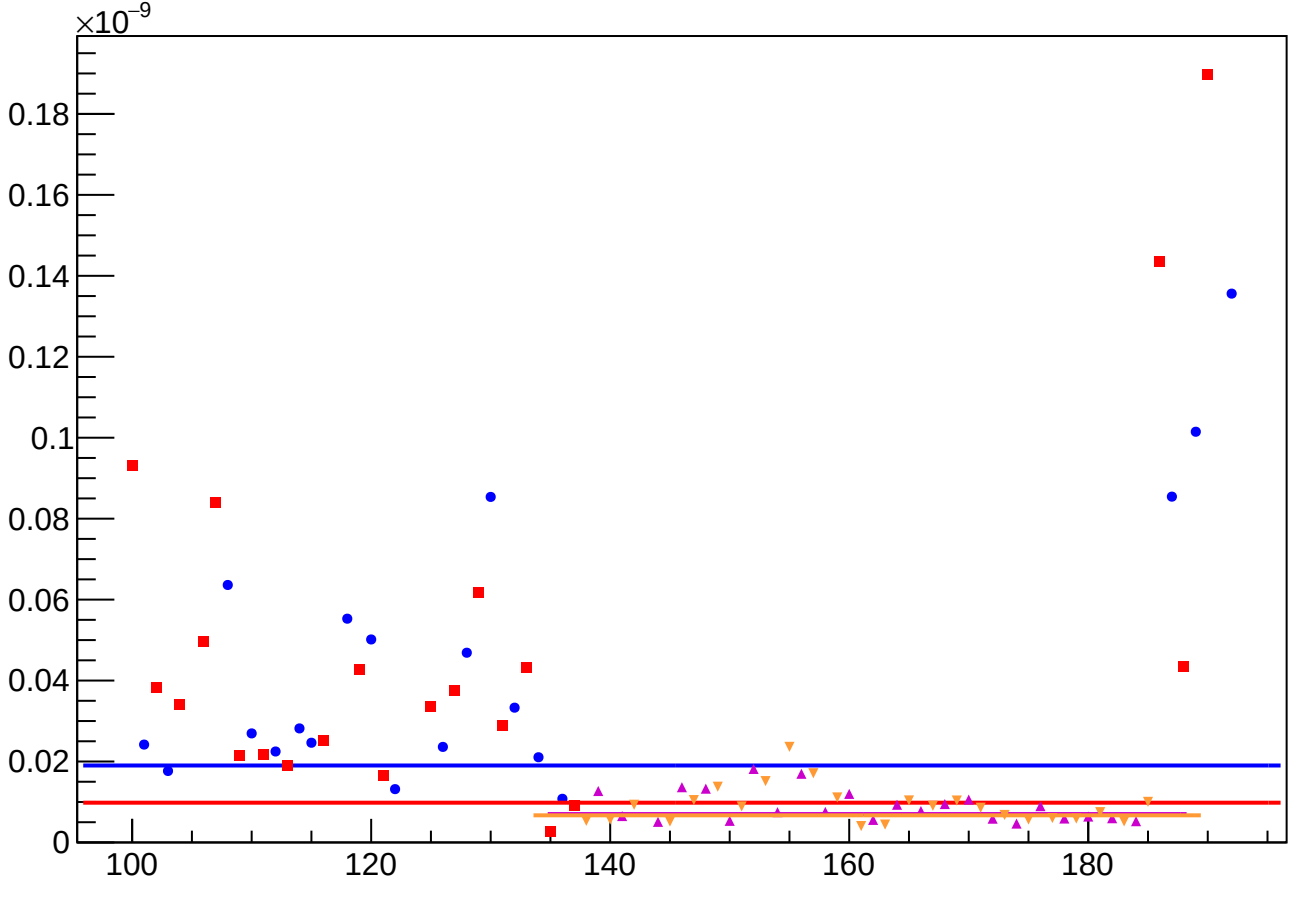
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 33.5/39

In: -0.000+/-0.000 χ^2/NDF:39.7/41

Out: 0.000+/-0.000 χ^2/NDF:41.7/44

All: 0.000+/-0.000 χ^2/NDF: 81.7/86



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: 6419088.4/20

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

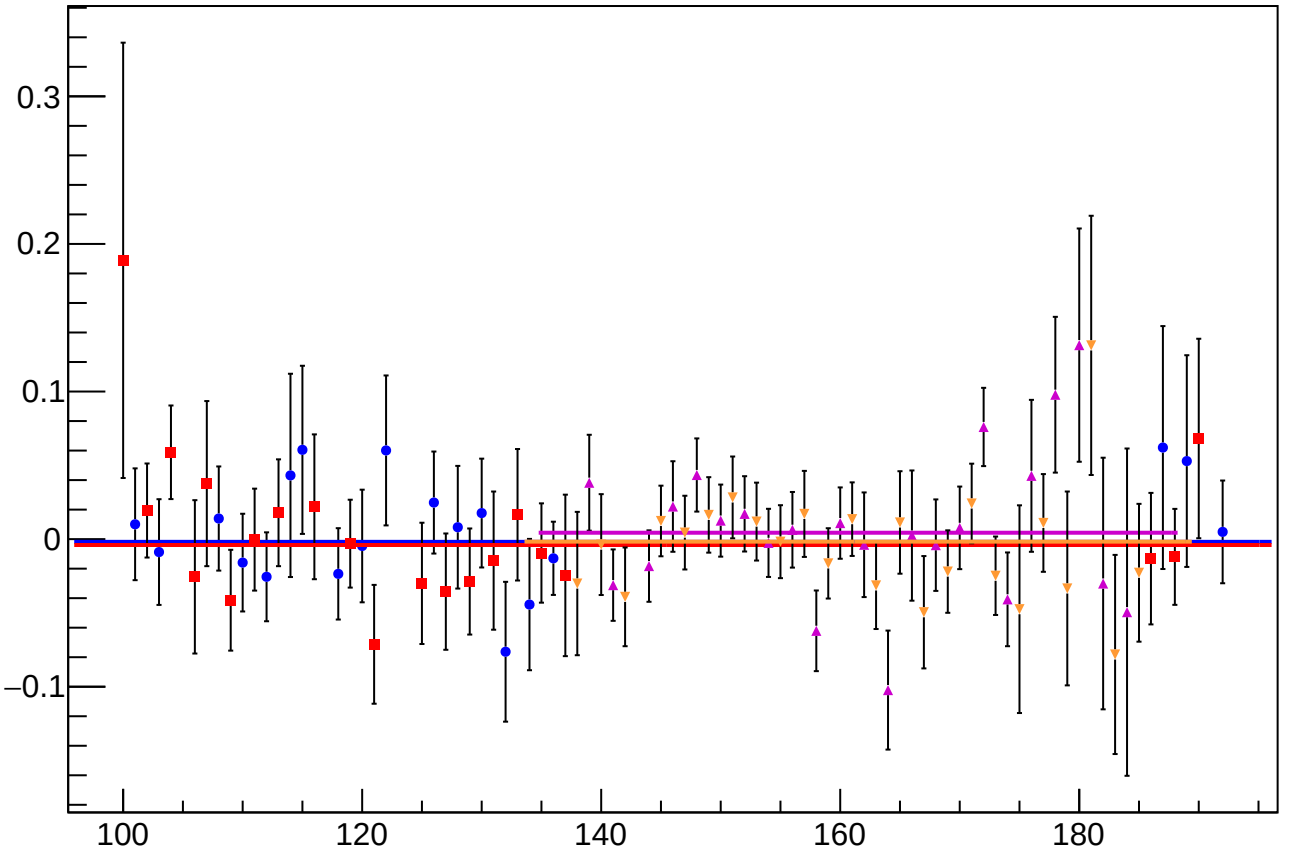
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 11070335.3/39

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

Out: 0.000+/-0.000 χ^2/NDF:9684933.5/44

All: 0.000+/-0.000 χ^2/NDF: 18410758.1/86



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: -0.004+/-0.009 χ^2/NDF: 14.7/20

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

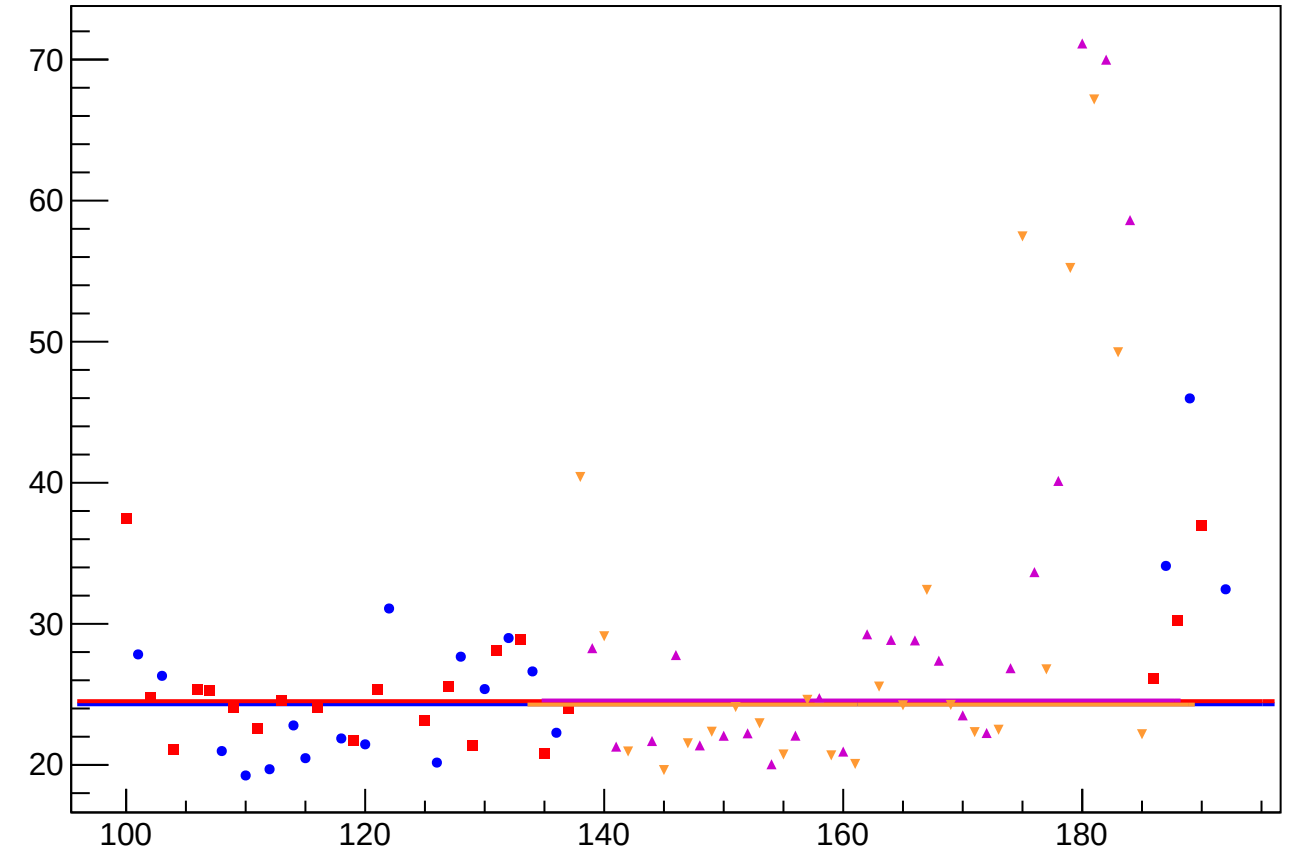
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.003+/-0.006 χ^2/NDF: 25.3/39

In: 0.002+/-0.005 χ^2/NDF:47.3/41

Out: -0.002+/-0.005 χ^2/NDF:29.4/44

All: -0.000+/-0.004 χ^2/NDF: 77.1/86



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: 24.519+/-0.006 χ^2/NDF: 273093.1/20

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

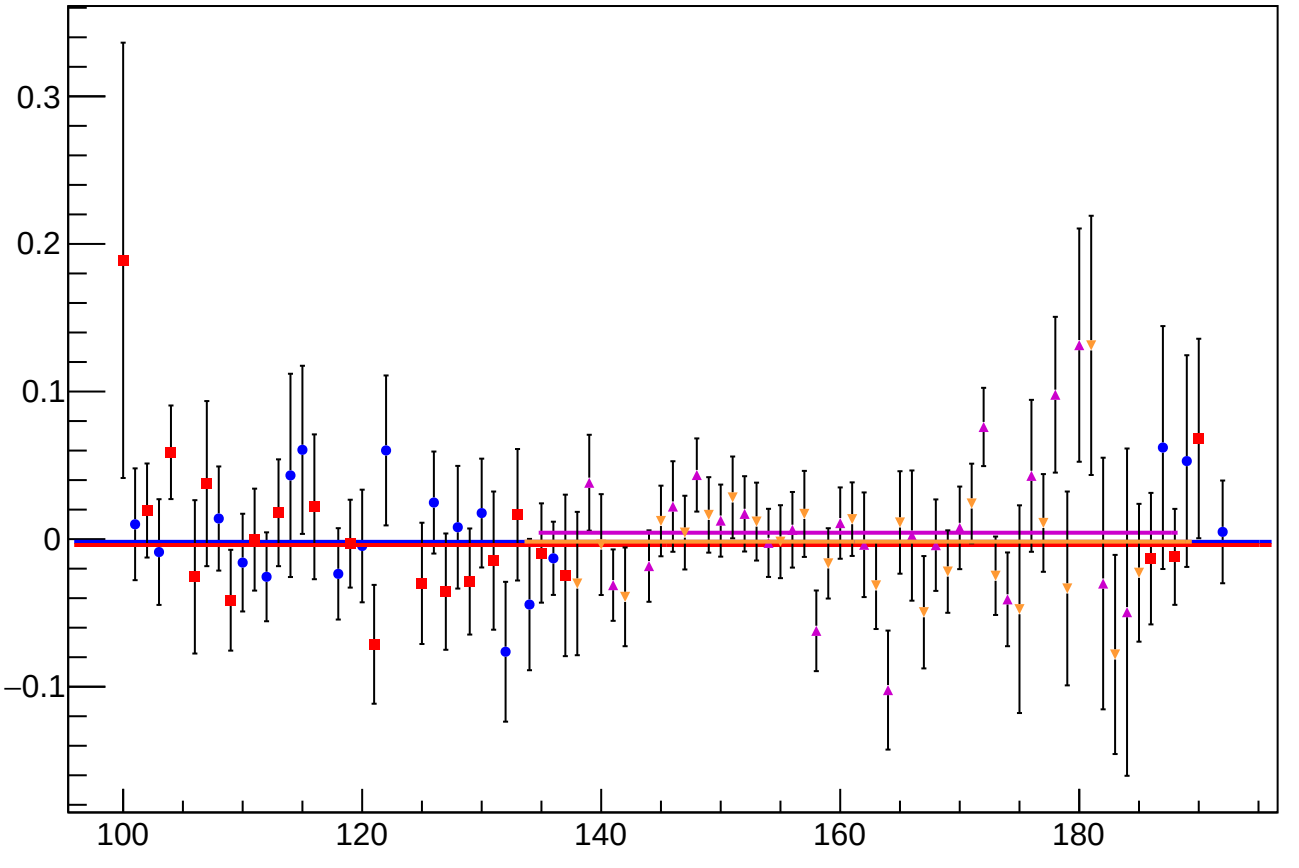
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 24.411+/-0.004 χ^2/NDF: 880135.9/39

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

Out: 24.359+/-0.004 χ^2/NDF:2584799.1/44

All: 24.416+/-0.003 χ^2/NDF: 5325808.7/86



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: -0.004+/-0.009 χ^2/NDF: 14.7/20

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

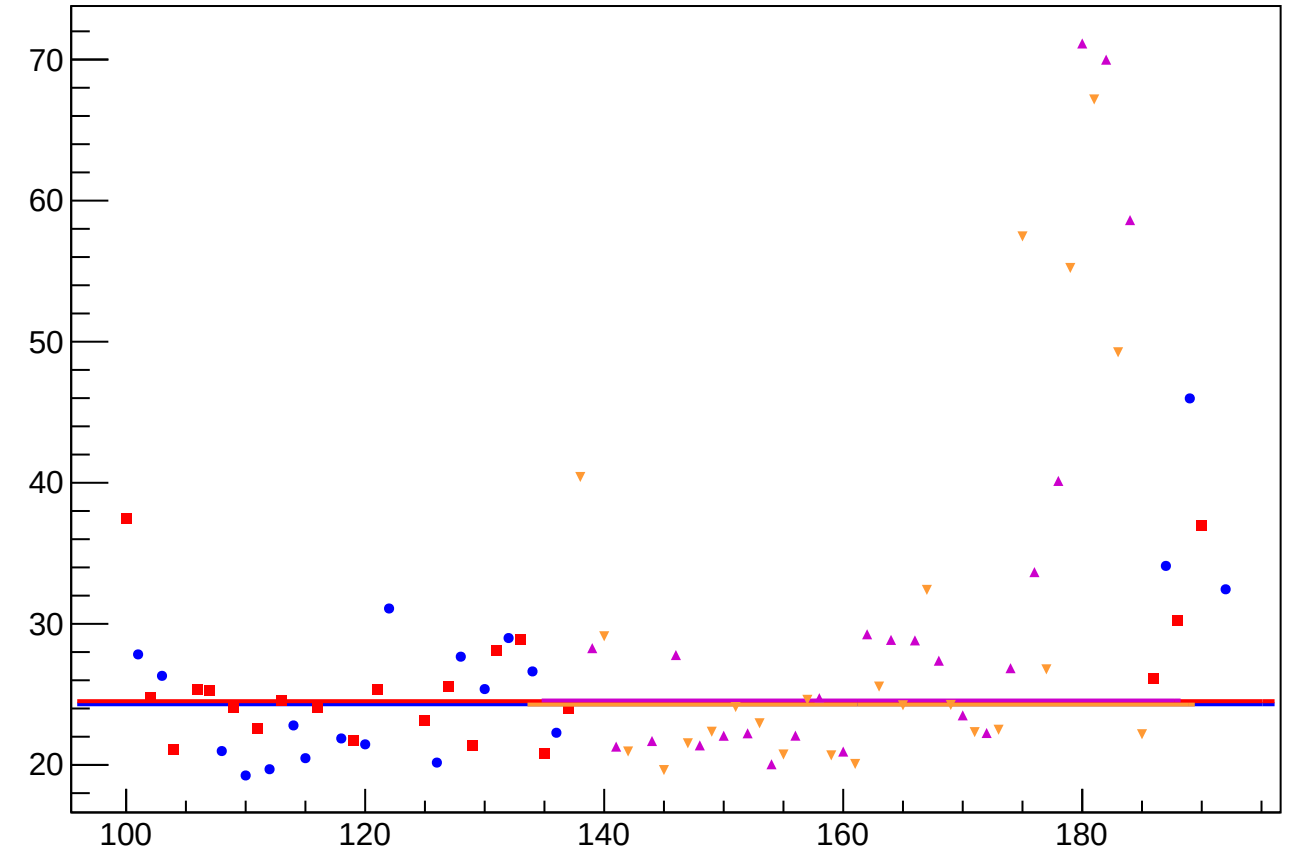
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.003+/-0.006 χ^2/NDF: 25.3/39

In: 0.002+/-0.005 χ^2/NDF:47.3/41

Out: -0.002+/-0.005 χ^2/NDF:29.4/44

All: -0.000+/-0.004 χ^2/NDF: 77.1/86



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: 24.519+/-0.006 χ^2/NDF: 273093.1/20

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

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

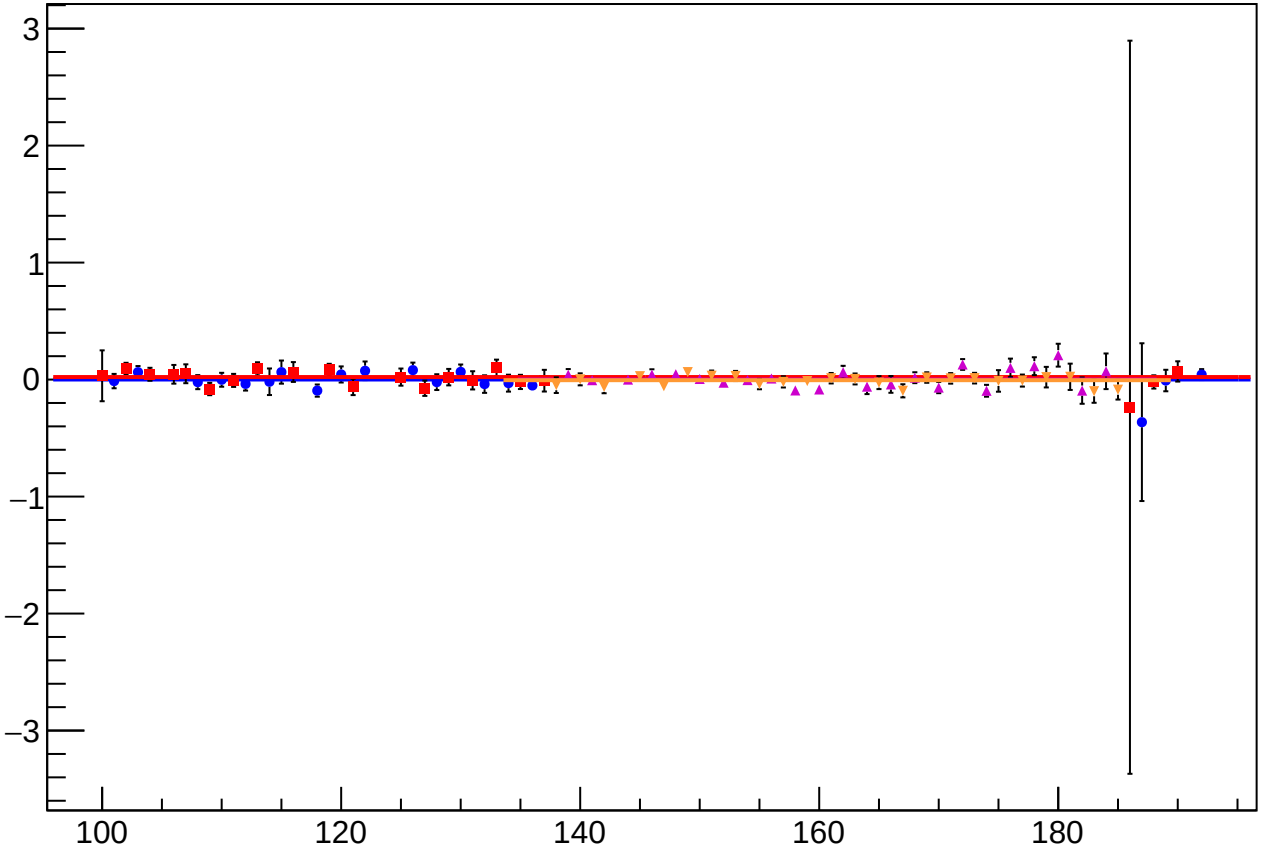
Right: 24.411+/-0.004 χ^2/NDF: 880135.9/39

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

Out: 24.359+/-0.004 χ^2/NDF:2584799.1/44

All: 24.416+/-0.003 χ^2/NDF: 5325808.7/86

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+/-0.015 χ^2/NDF: 16.3/20

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

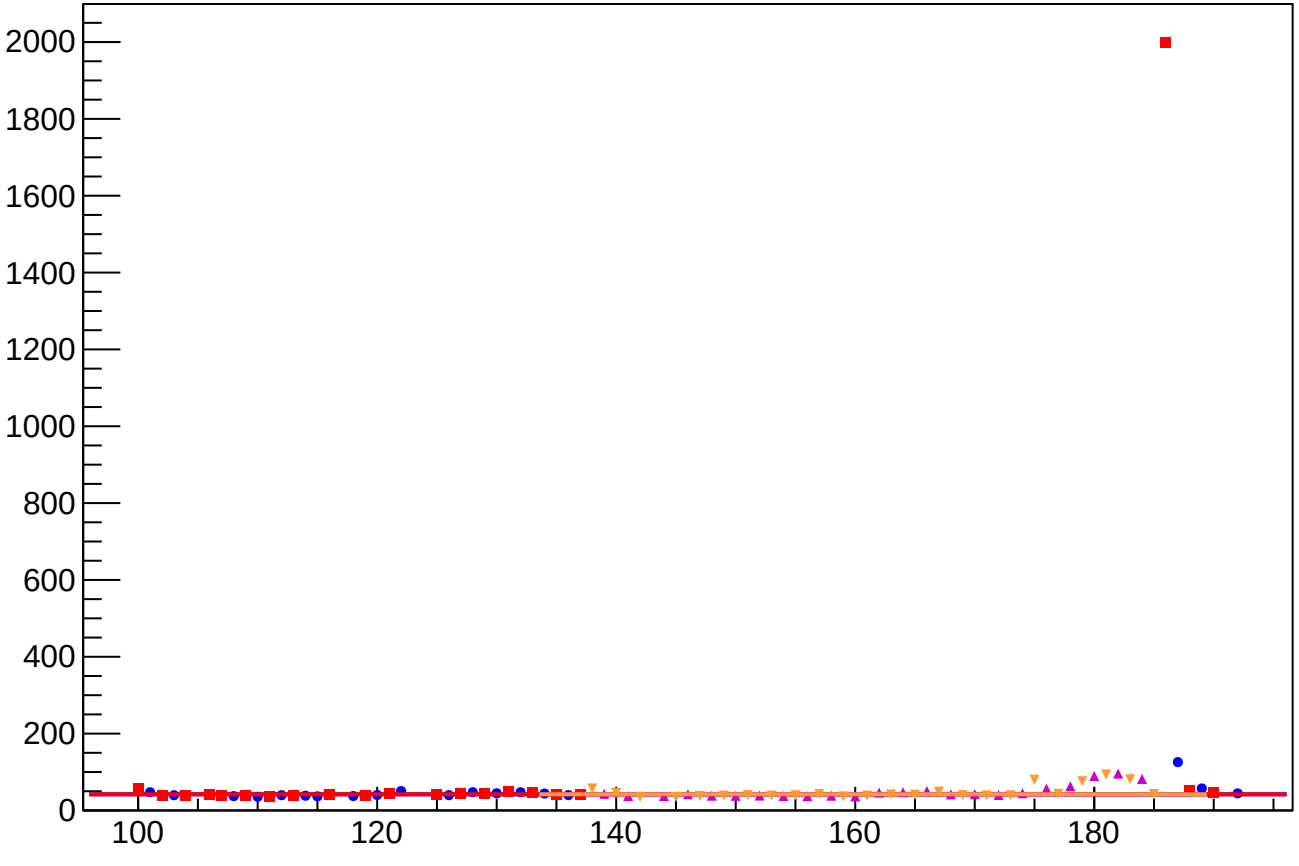
Right: 0.011+/-0.010 χ^2/NDF: 30.1/39

In: 0.000+/-0.008 χ^2/NDF:50.8/41

Out: 0.004+/-0.008 χ^2/NDF:32.3/44

All: 0.002+/-0.006 χ^2/NDF: 83.2/86

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: 41.999+/-0.010 χ^2/NDF: 948960.1/20

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

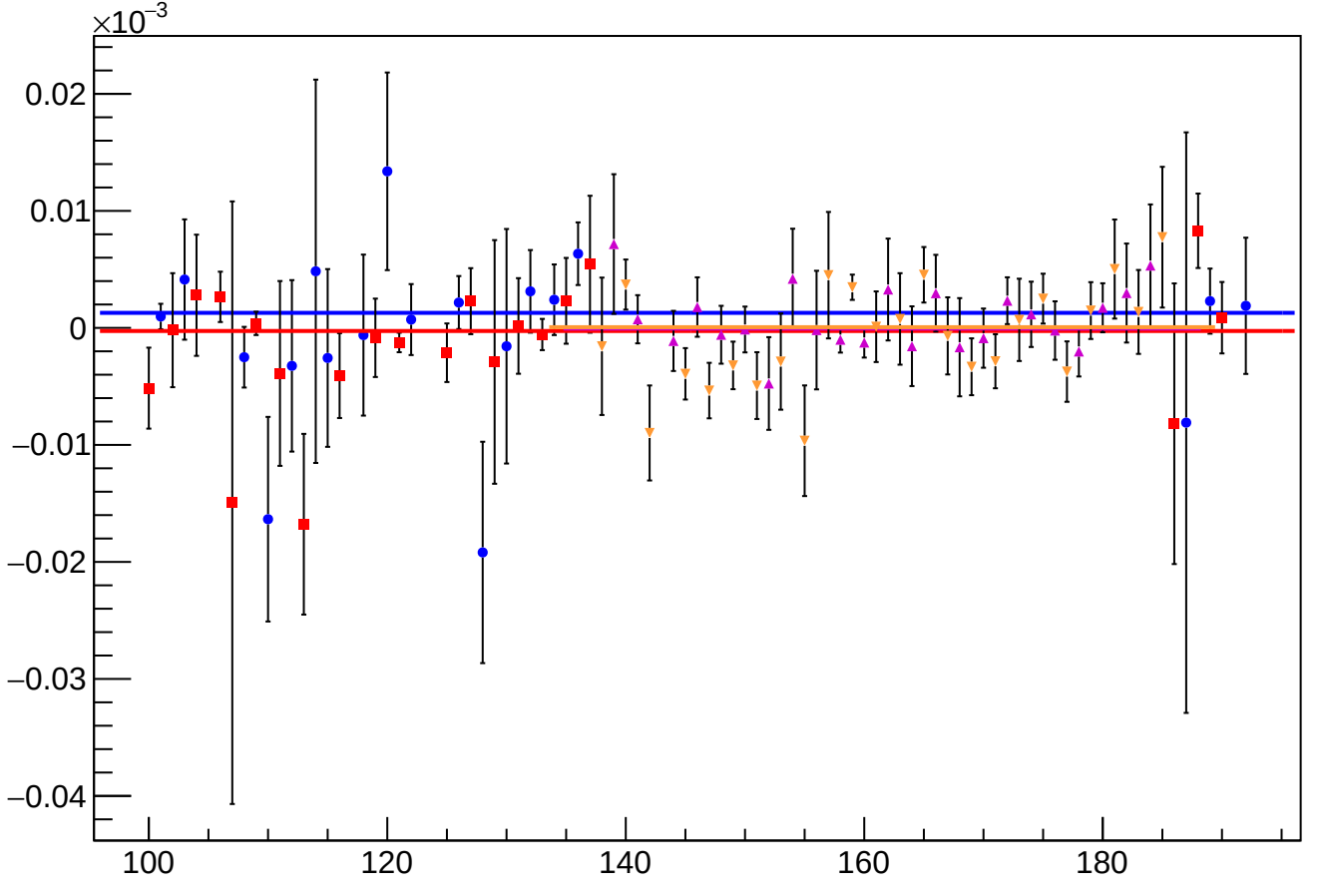
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 42.006+/-0.007 χ^2/NDF: 1180831.9/39

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

Out: 42.059+/-0.006 χ^2/NDF:2665056.0/44

All: 42.057+/-0.004 χ^2/NDF: 4440458.0/86



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: 23.0/20

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

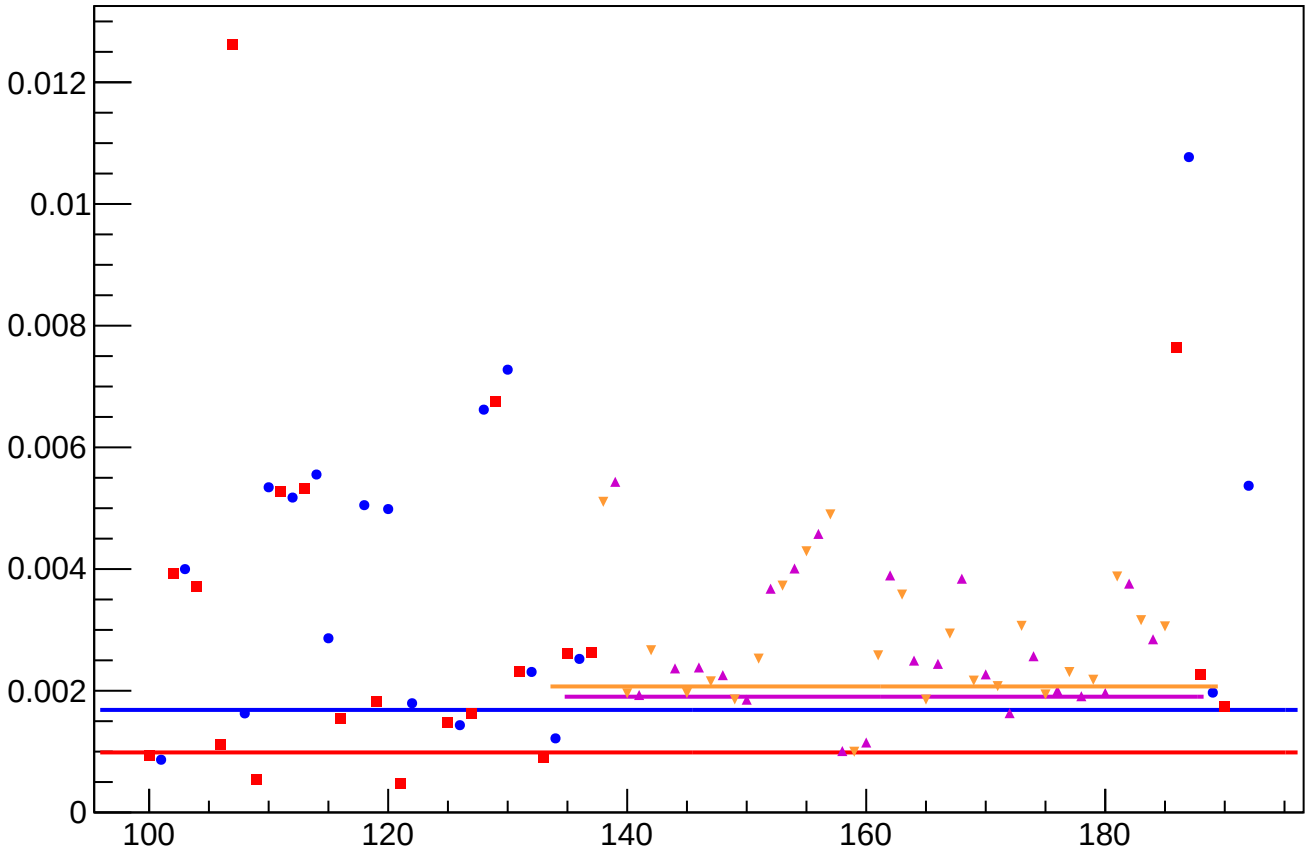
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: 0.000+/-0.000 χ^2/NDF: 44.8/39

In: 0.000+/-0.000 χ^2/NDF:34.0/41

Out: -0.000+/-0.000 χ^2/NDF:74.9/44

All: 0.000+/-0.000 χ^2/NDF: 109.7/86



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: 6875359.4/20

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

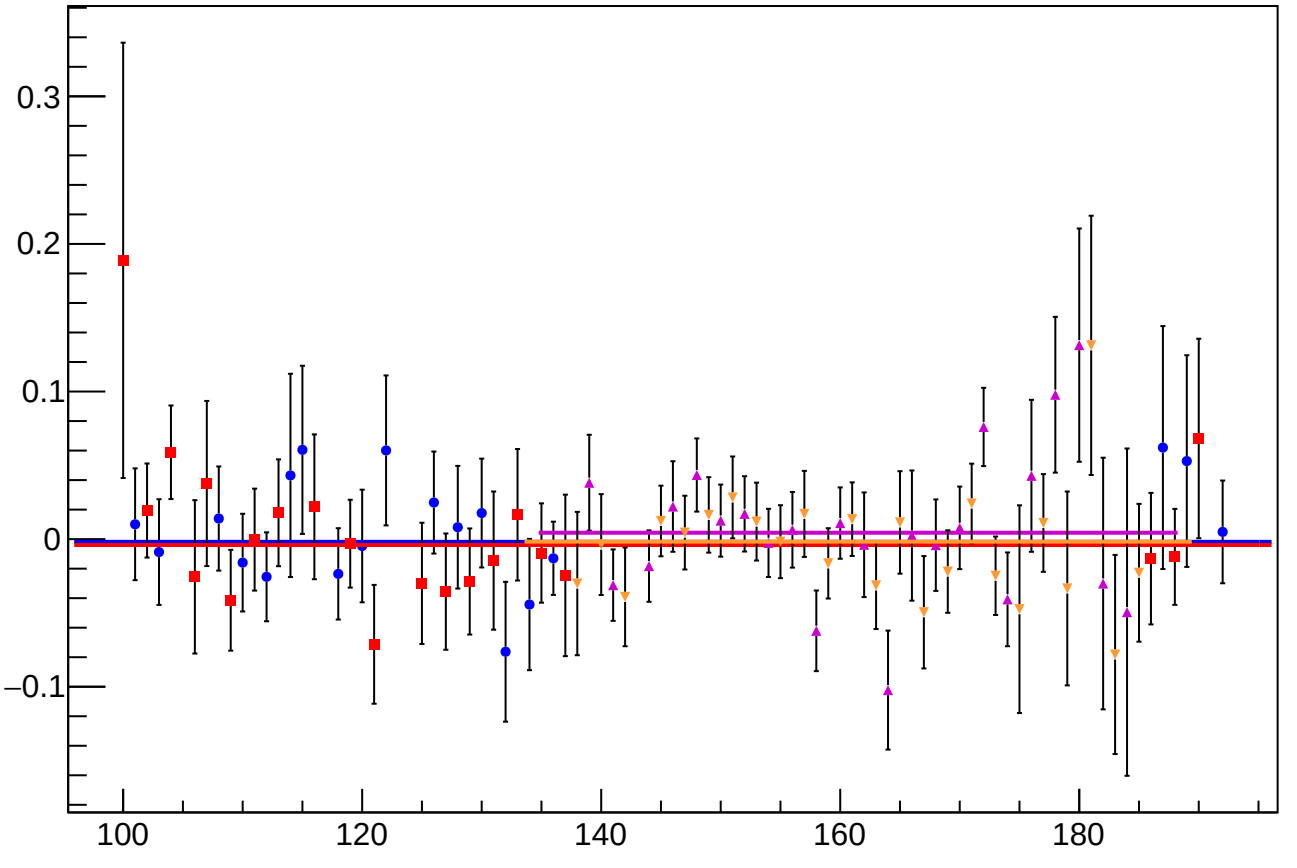
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 14056200.4/39

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

Out: 0.001+/-0.000 χ^2/NDF:16753090.5/44

All: 0.002+/-0.000 χ^2/NDF: 29516789.5/86



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: -0.004+/-0.009 χ^2/NDF: 14.7/20

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

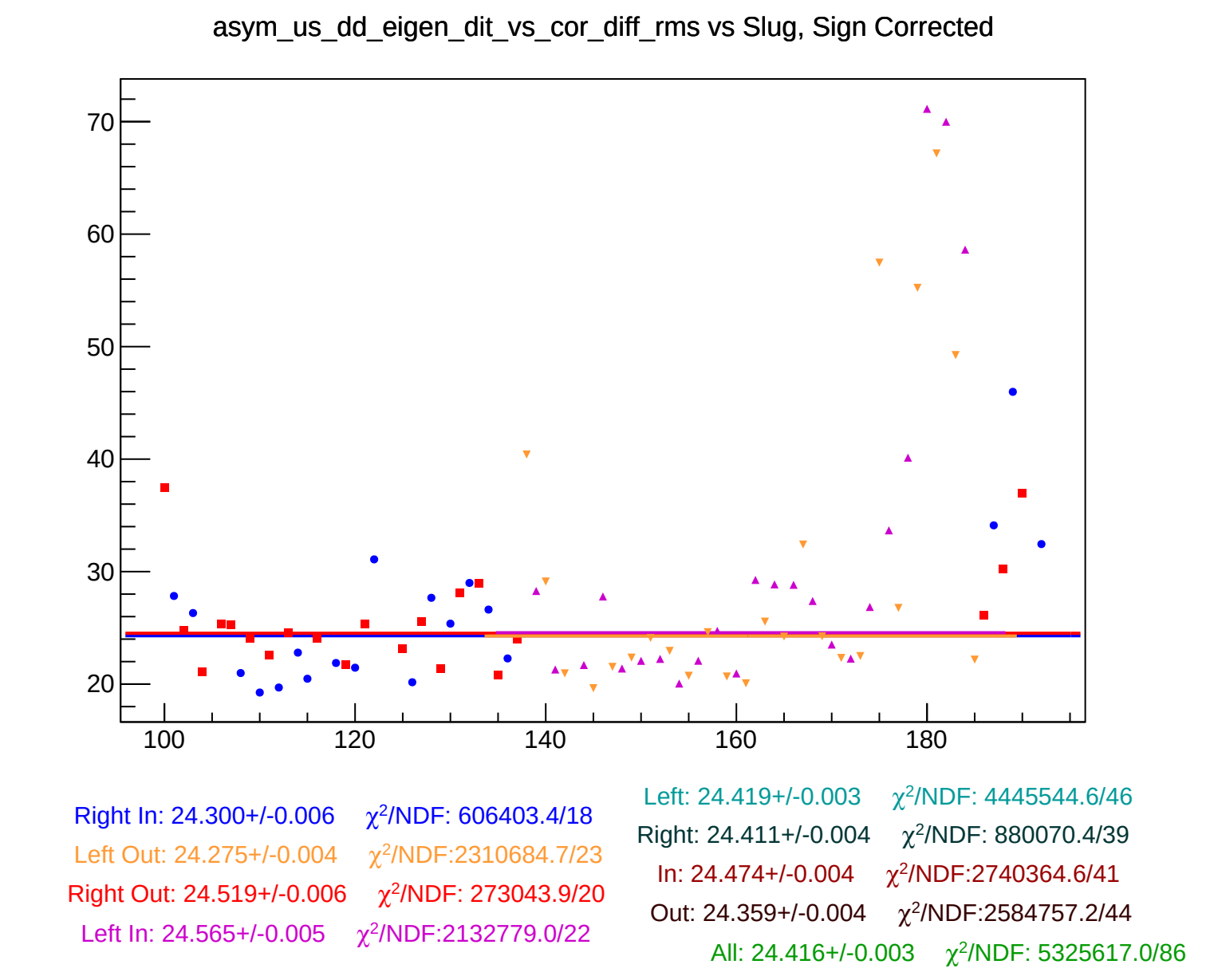
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.003+/-0.006 χ^2/NDF: 25.3/39

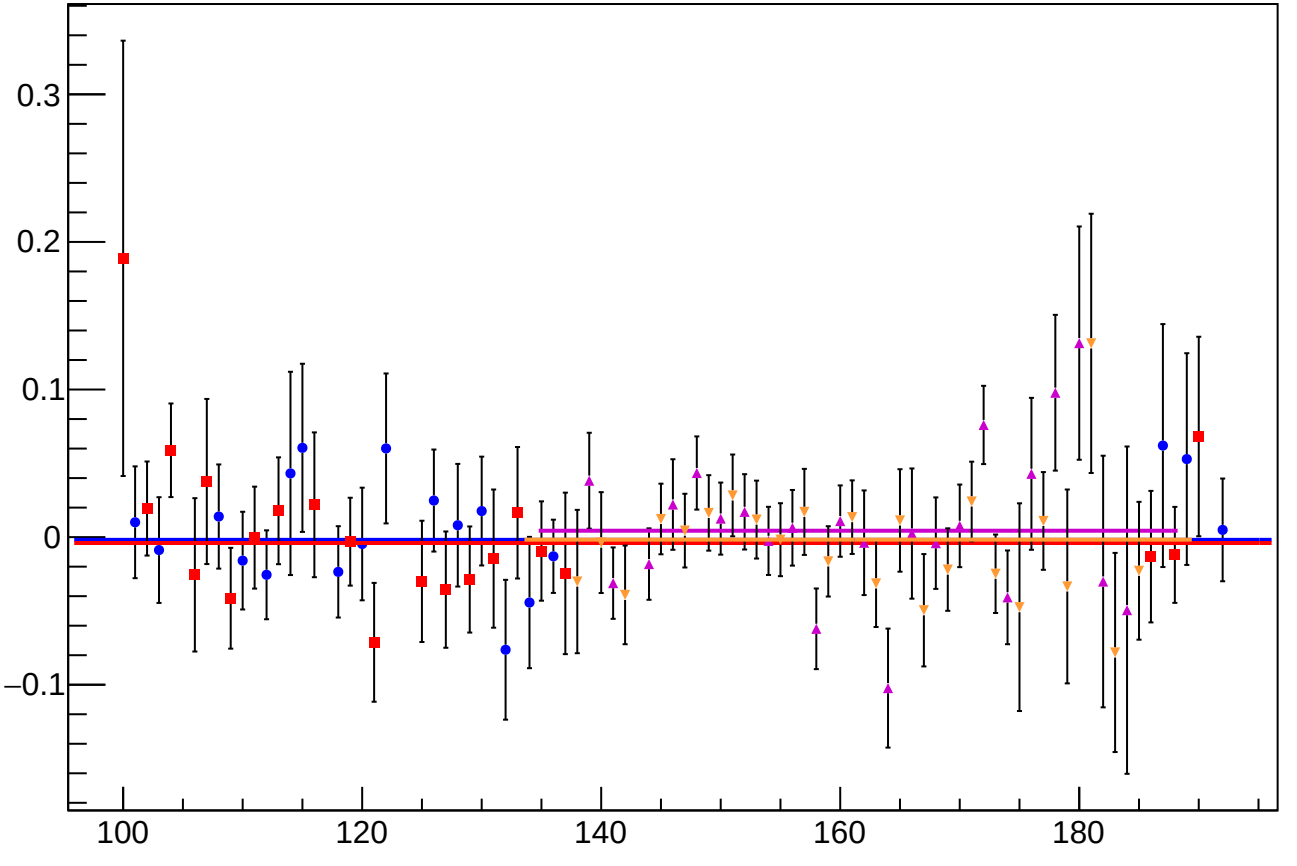
In: 0.002+/-0.005 χ^2/NDF:47.3/41

Out: -0.002+/-0.005 χ^2/NDF:29.4/44

All: -0.000+/-0.004 χ^2/NDF: 77.2/86


asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
120
140
160
180
Right In: 24.300+/-0.006 χ²/NDF: 606403.4/18
Left Out: 24.275+/-0.004 χ²/NDF:2310684.7/23
Right Out: 24.519+/-0.006 χ²/NDF: 273043.9/20
Left In: 24.565+/-0.005 χ²/NDF:2132779.0/22
Left: 24.419+/-0.003 χ²/NDF: 4445544.6/46
Right: 24.411+/-0.004 χ²/NDF: 880070.4/39
In: 24.474+/-0.004 χ²/NDF:2740364.6/41
Out: 24.359+/-0.004 χ²/NDF:2584757.2/44
All: 24.416+/-0.003 χ²/NDF: 5325617.0/86

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: -0.004+/-0.009 χ^2/NDF: 14.7/20

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

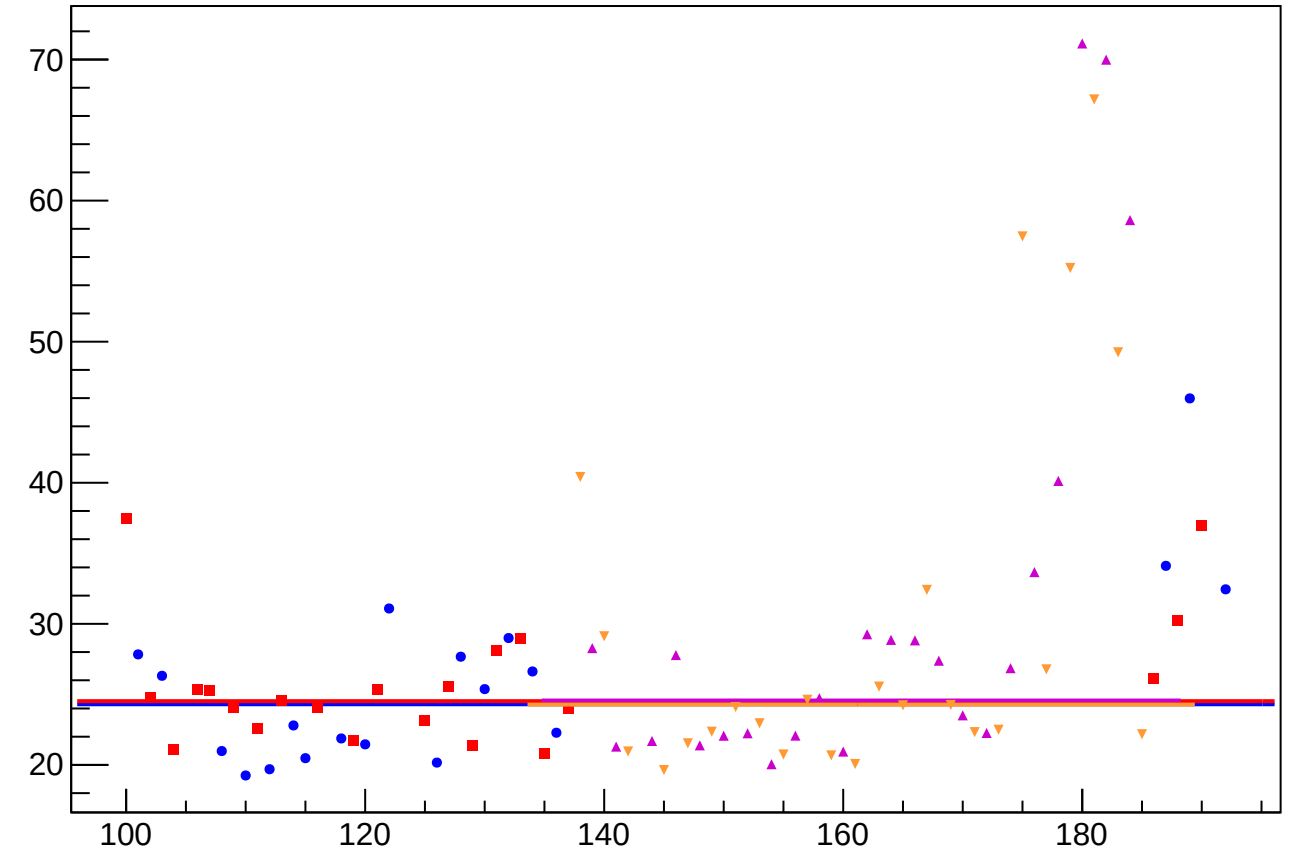
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.003+/-0.006 χ^2/NDF: 25.3/39

In: 0.002+/-0.005 χ^2/NDF:47.3/41

Out: -0.002+/-0.005 χ^2/NDF:29.4/44

All: -0.000+/-0.004 χ^2/NDF: 77.2/86



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: 24.519+/-0.006 χ^2/NDF: 273043.9/20

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

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

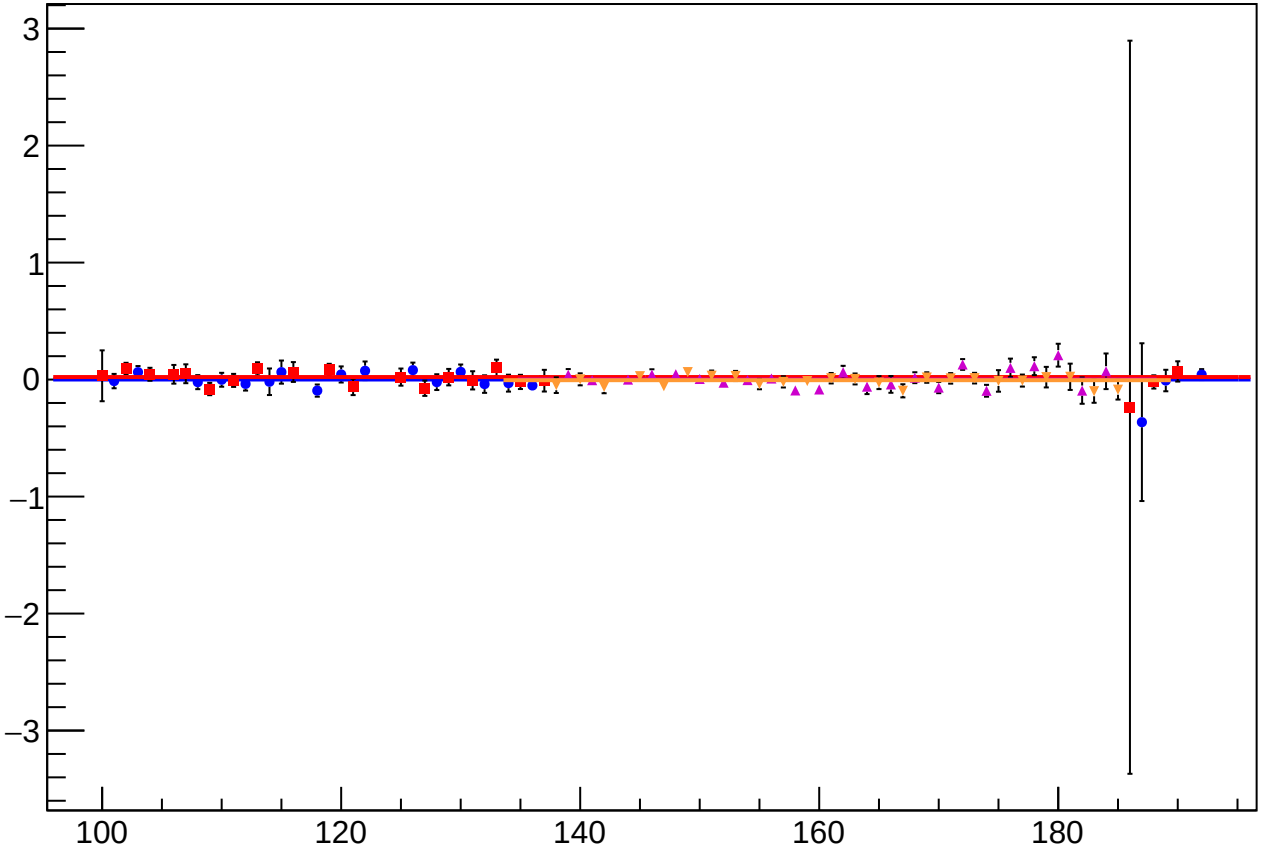
Right: 24.411+/-0.004 χ^2/NDF: 880070.4/39

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

Out: 24.359+/-0.004 χ^2/NDF:2584757.2/44

All: 24.416+/-0.003 χ^2/NDF: 5325617.0/86

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+/-0.015 χ^2/NDF: 16.3/20

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

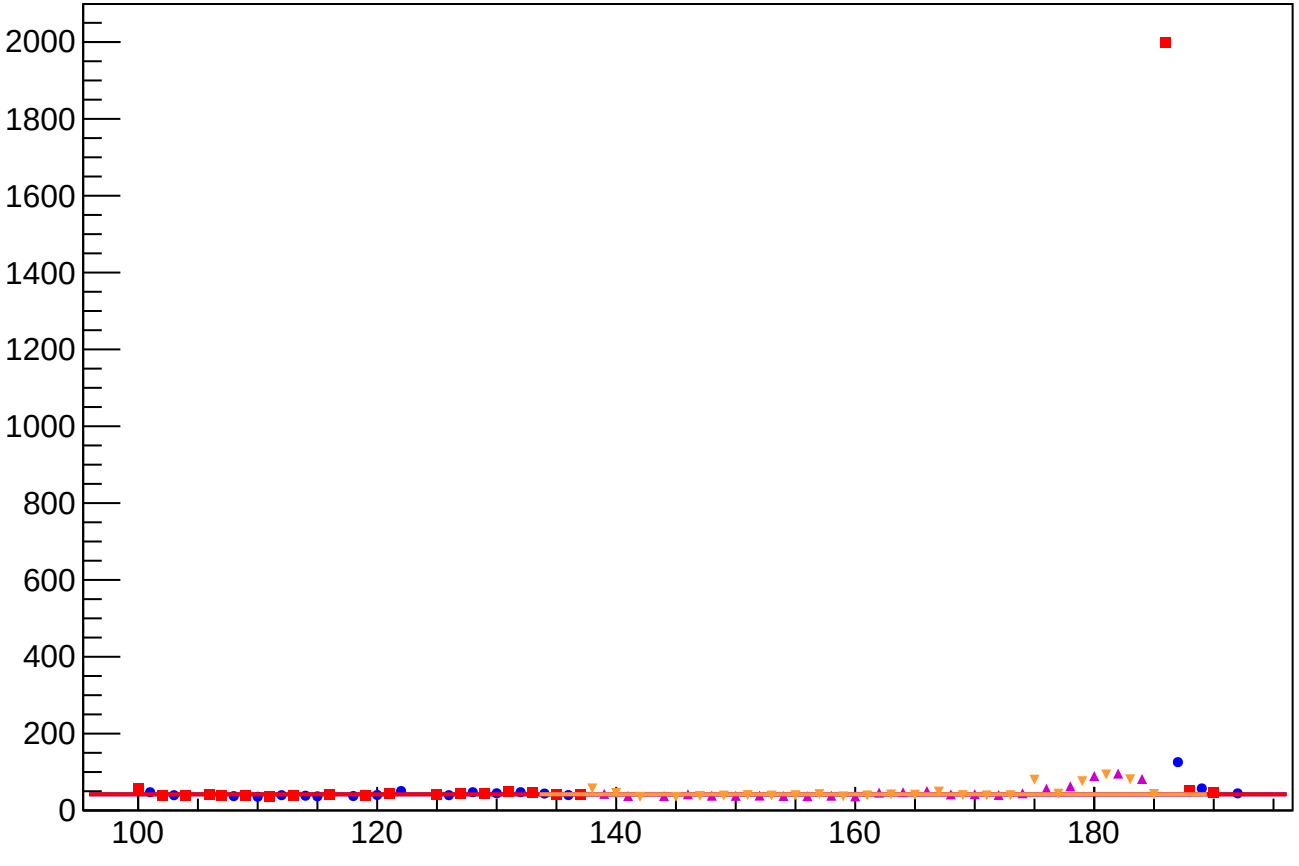
Right: 0.011+/-0.010 χ^2/NDF: 30.1/39

In: 0.000+/-0.008 χ^2/NDF:50.8/41

Out: 0.004+/-0.008 χ^2/NDF:32.3/44

All: 0.002+/-0.006 χ^2/NDF: 83.2/86

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: 41.999+/-0.010 χ^2/NDF: 948950.2/20

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

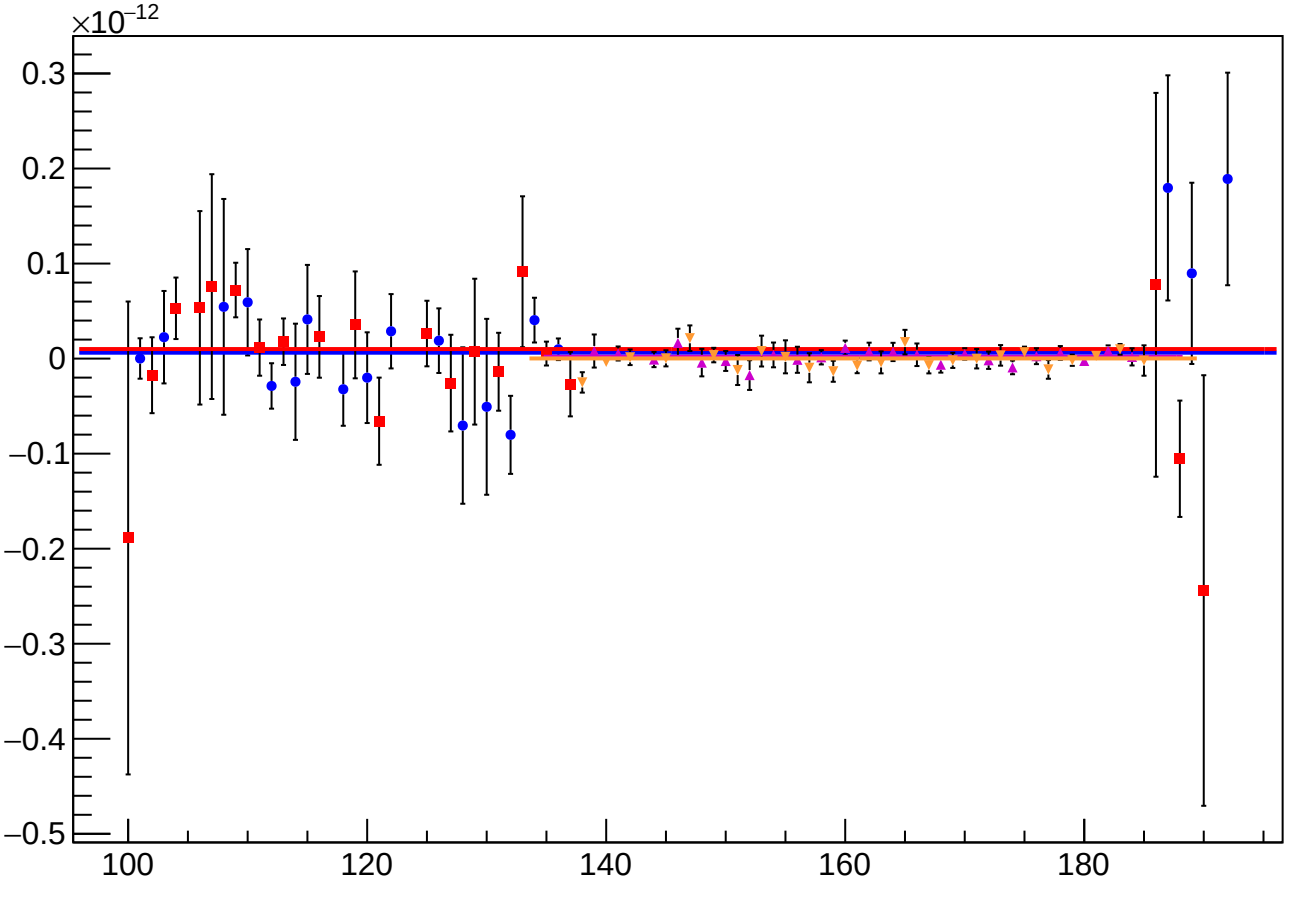
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 42.006+/-0.007 χ^2/NDF: 1180792.8/39

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

Out: 42.059+/-0.006 χ^2/NDF:2665036.7/44

All: 42.057+/-0.004 χ^2/NDF: 4440385.7/86



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: 19.5/20

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

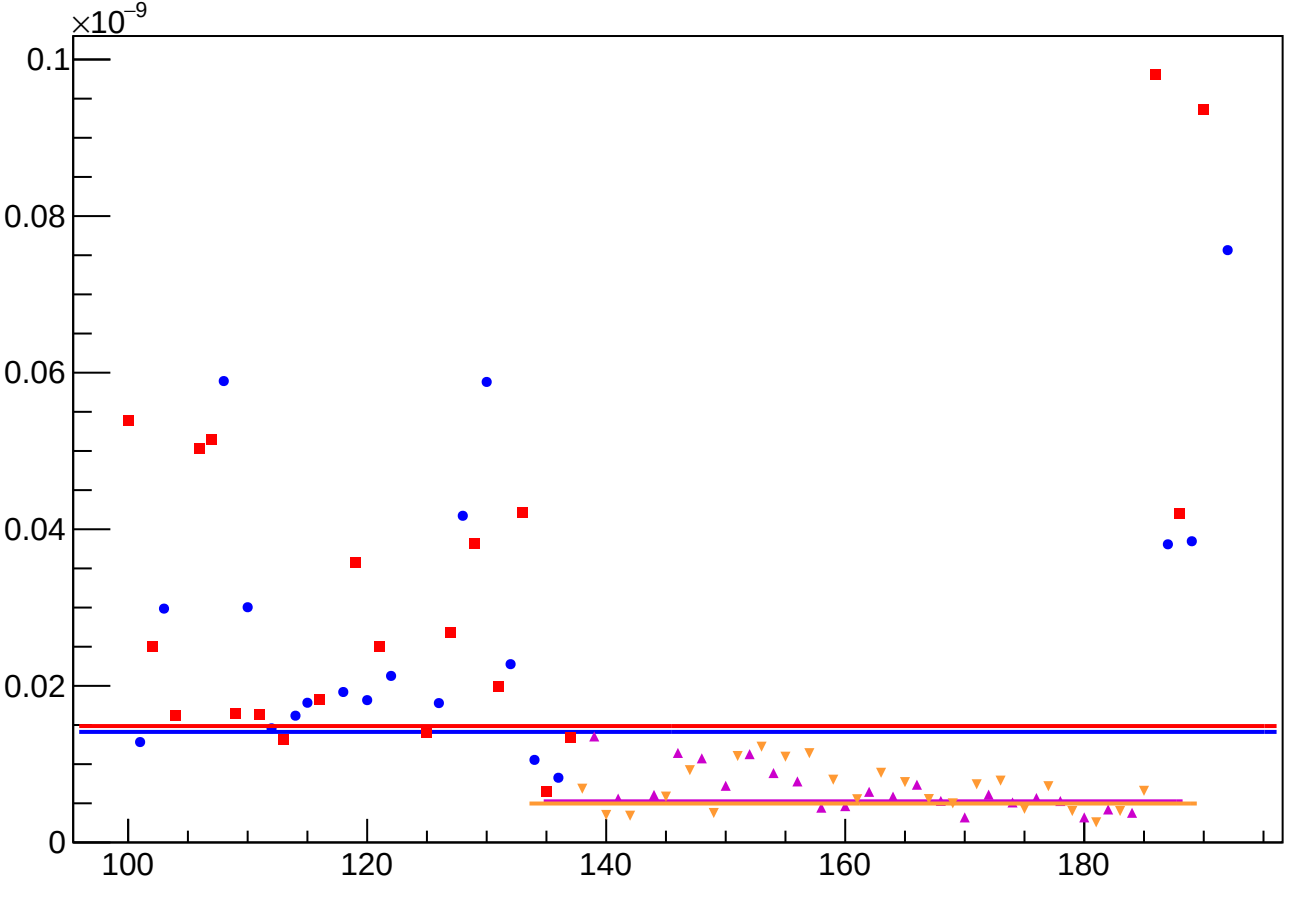
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 39.0/39

In: 0.000+/-0.000 χ^2/NDF:31.4/41

Out: 0.000+/-0.000 χ^2/NDF:42.3/44

All: 0.000+/-0.000 χ^2/NDF: 74.1/86



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: 3459717.0/20

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

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

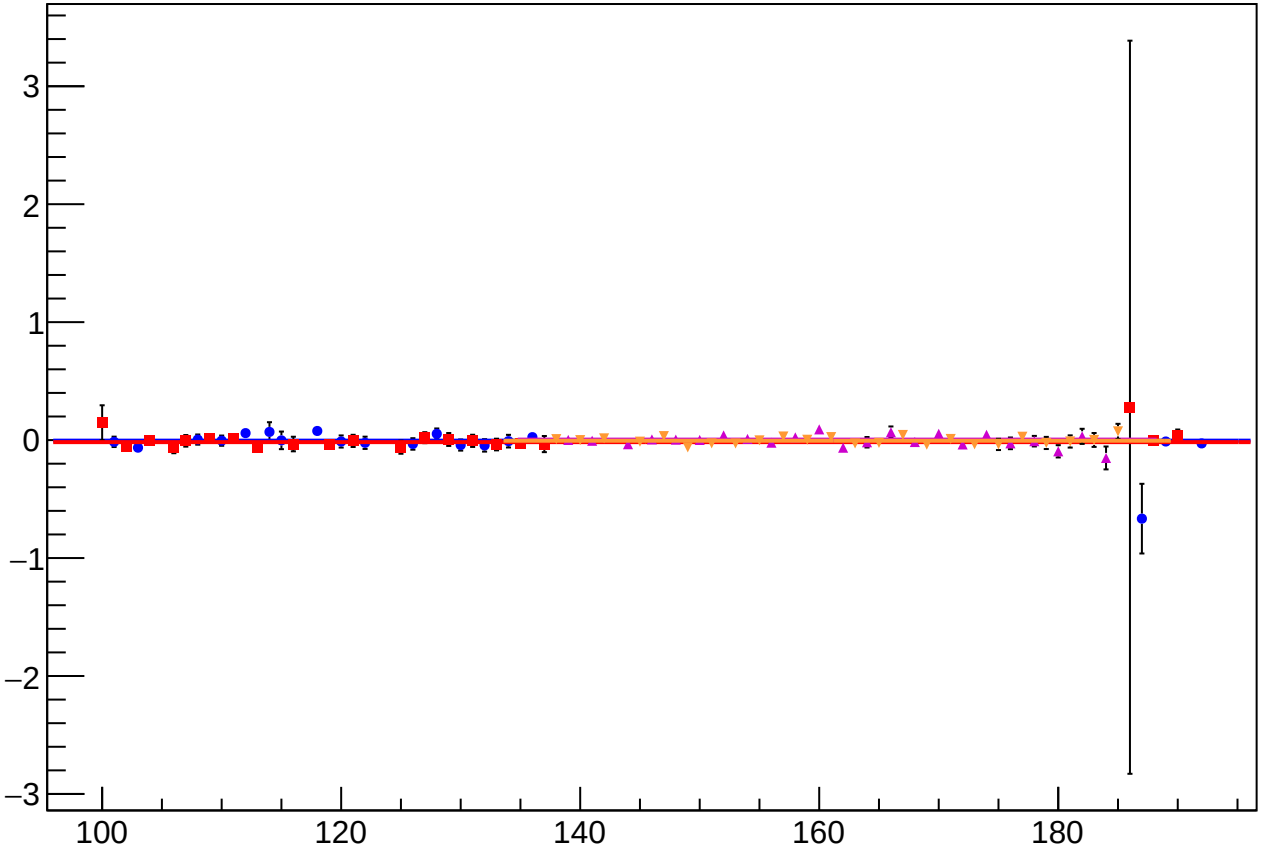
Right: 0.000+/-0.000 χ^2/NDF: 6485444.8/39

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

Out: 0.000+/-0.000 χ^2/NDF:10137218.0/44

All: 0.000+/-0.000 χ^2/NDF: 18581376.9/86

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: -0.017+/-0.010 χ^2/NDF: 11.0/20

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

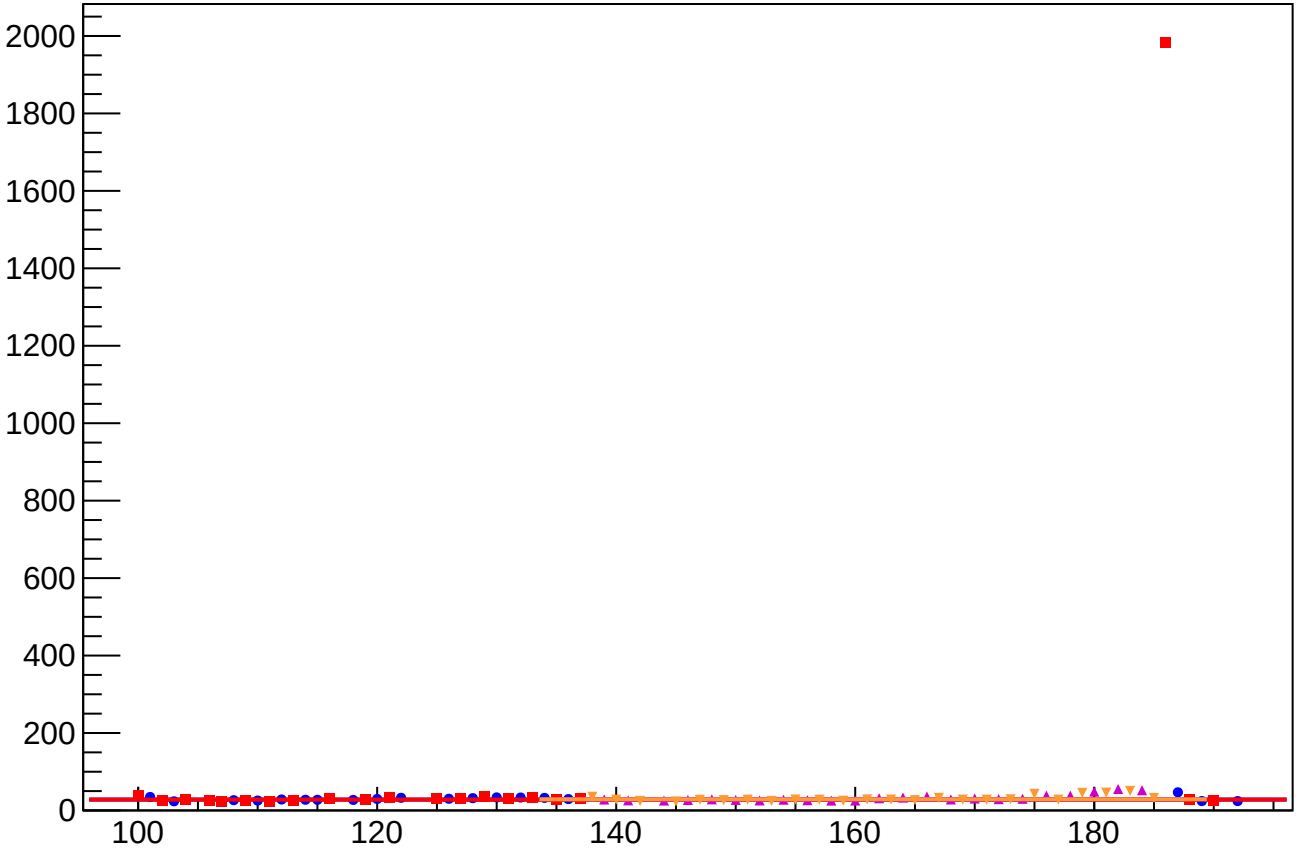
Right: -0.011+/-0.007 χ^2/NDF: 33.2/39

In: 0.001+/-0.006 χ^2/NDF:53.2/41

Out: -0.009+/-0.006 χ^2/NDF:28.7/44

All: -0.004+/-0.004 χ^2/NDF: 83.4/86

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: 28.017+/-0.007 χ^2/NDF: 981559.6/20

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

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

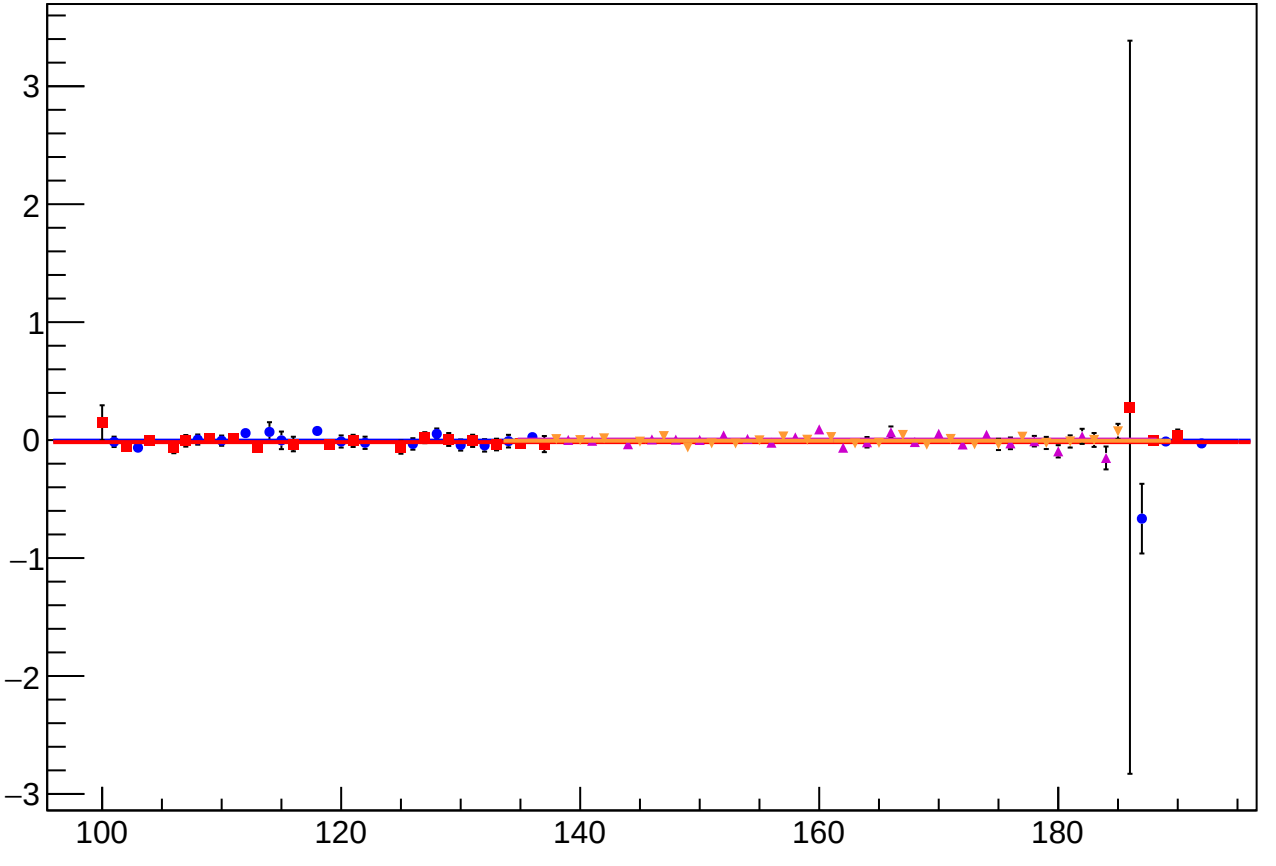
Right: 28.068+/-0.005 χ^2/NDF: 1248765.8/39

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

Out: 28.528+/-0.004 χ^2/NDF:2159926.8/44

All: 28.695+/-0.003 χ^2/NDF: 3587934.8/86

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: -0.017+/-0.010 χ^2/NDF: 11.0/20

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

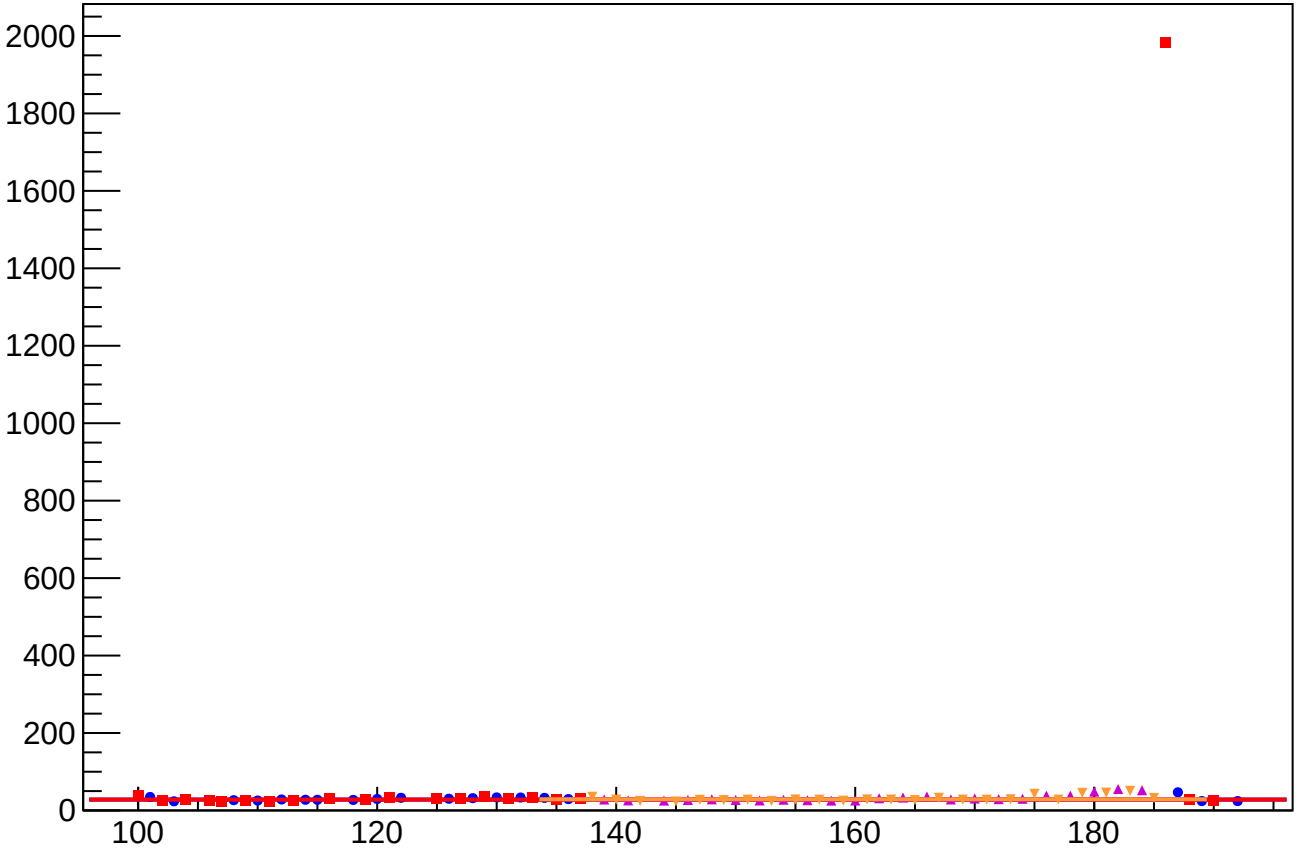
Right: -0.011+/-0.007 χ^2/NDF: 33.2/39

In: 0.001+/-0.006 χ^2/NDF:53.2/41

Out: -0.009+/-0.006 χ^2/NDF:28.7/44

All: -0.004+/-0.004 χ^2/NDF: 83.4/86

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: 28.017+/-0.007 χ^2/NDF: 981559.6/20

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

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

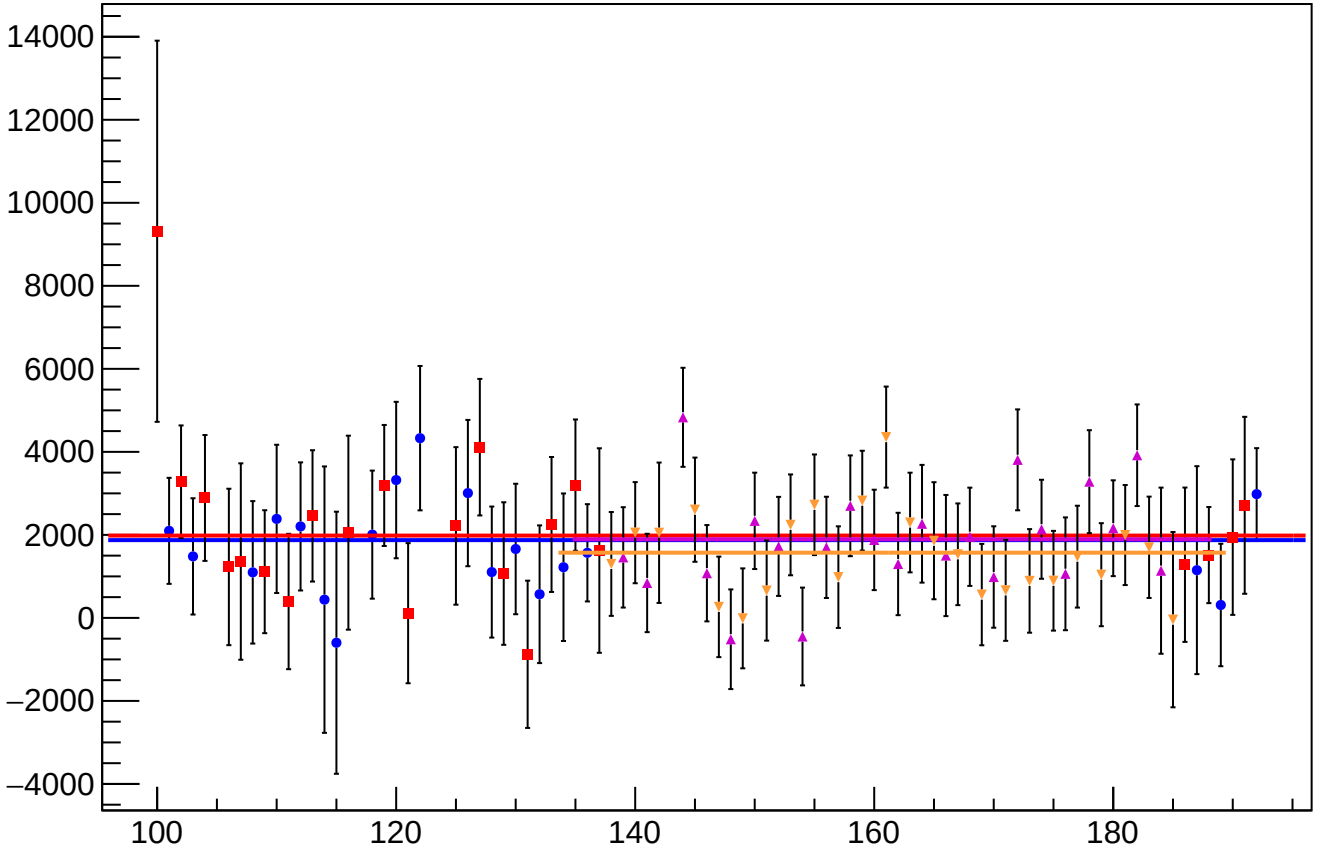
Right: 28.068+/-0.005 χ^2/NDF: 1248765.8/39

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

Out: 28.528+/-0.004 χ^2/NDF:2159926.8/44

All: 28.695+/-0.003 χ^2/NDF: 3587934.8/86

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: 1983.308+/-364.885 χ^2/NDF: 13.0/21

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

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

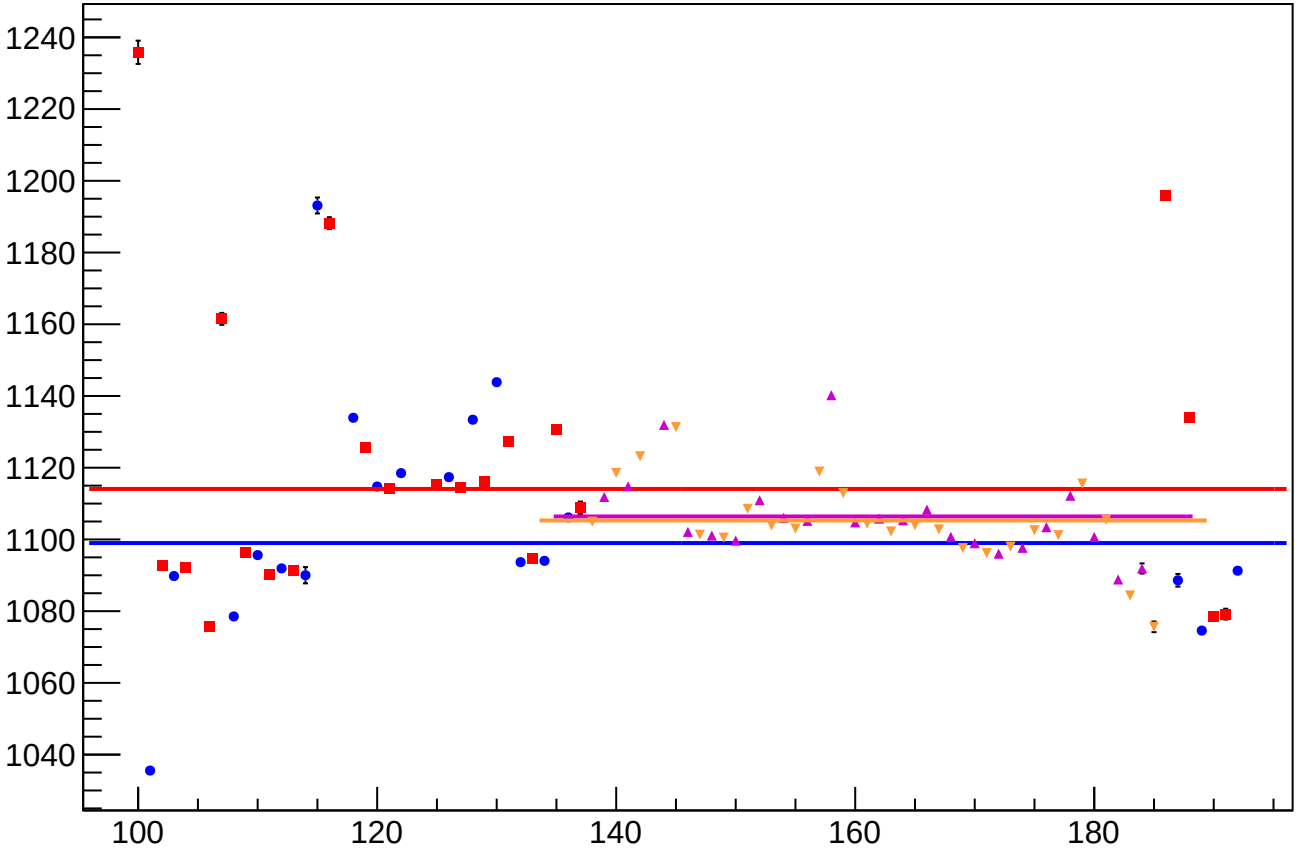
Right: 1928.779+/-258.992 χ^2/NDF: 20.6/40

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

Out: 1707.423+/-209.860 χ^2/NDF:29.2/45

All: 1796.445+/-148.927 χ^2/NDF: 61.2/87

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: 1114.072+/-0.258 χ^2/NDF: 13580.4/21

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

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

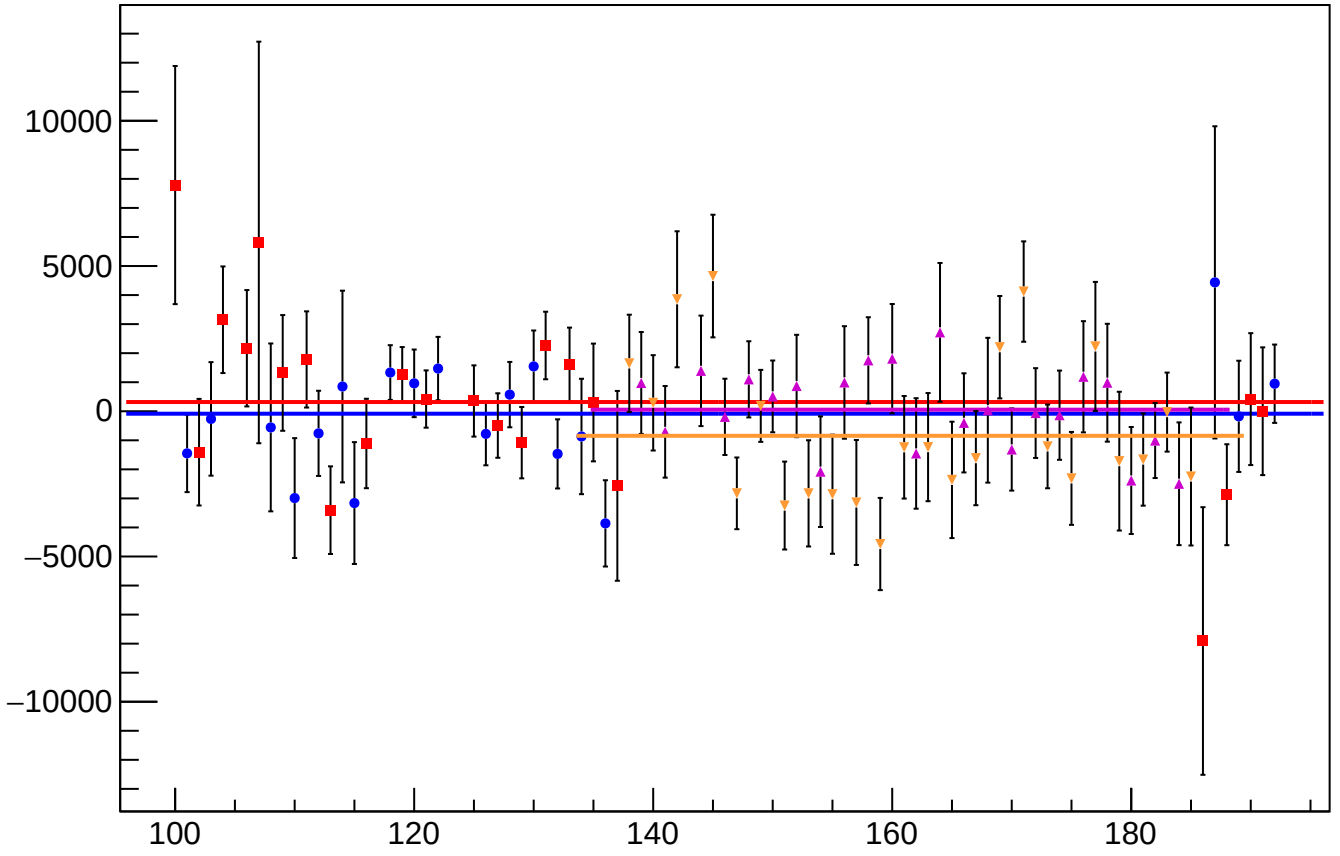
Right: 1106.589+/-0.183 χ^2/NDF: 27426.6/40

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

Out: 1108.198+/-0.148 χ^2/NDF:17516.8/45

All: 1106.092+/-0.105 χ^2/NDF: 34394.5/87

asym_usl_reg_correction_mean vs Slug, Sign Corrected



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: 317.715+/-330.084 χ^2/NDF: 30.1/21

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

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

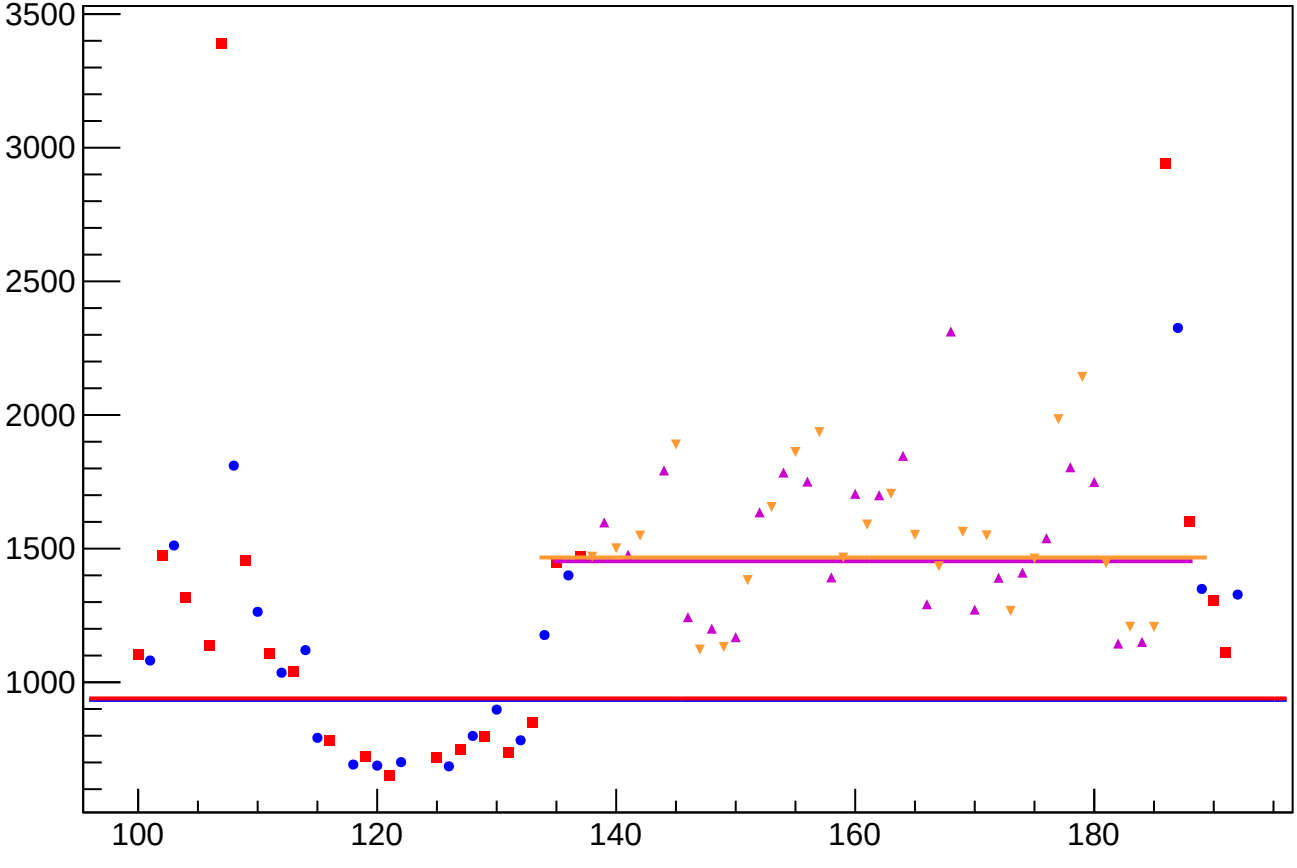
Right: 116.014+/-233.026 χ^2/NDF: 53.2/40

In: -18.499+/-238.415 χ^2/NDF:35.5/41

Out: -233.867+/-239.275 χ^2/NDF:80.2/45

All: -125.795+/-168.888 χ^2/NDF: 116.1/87

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: 939.518+/-0.233 χ^2/NDF: 2119330.9/21

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

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

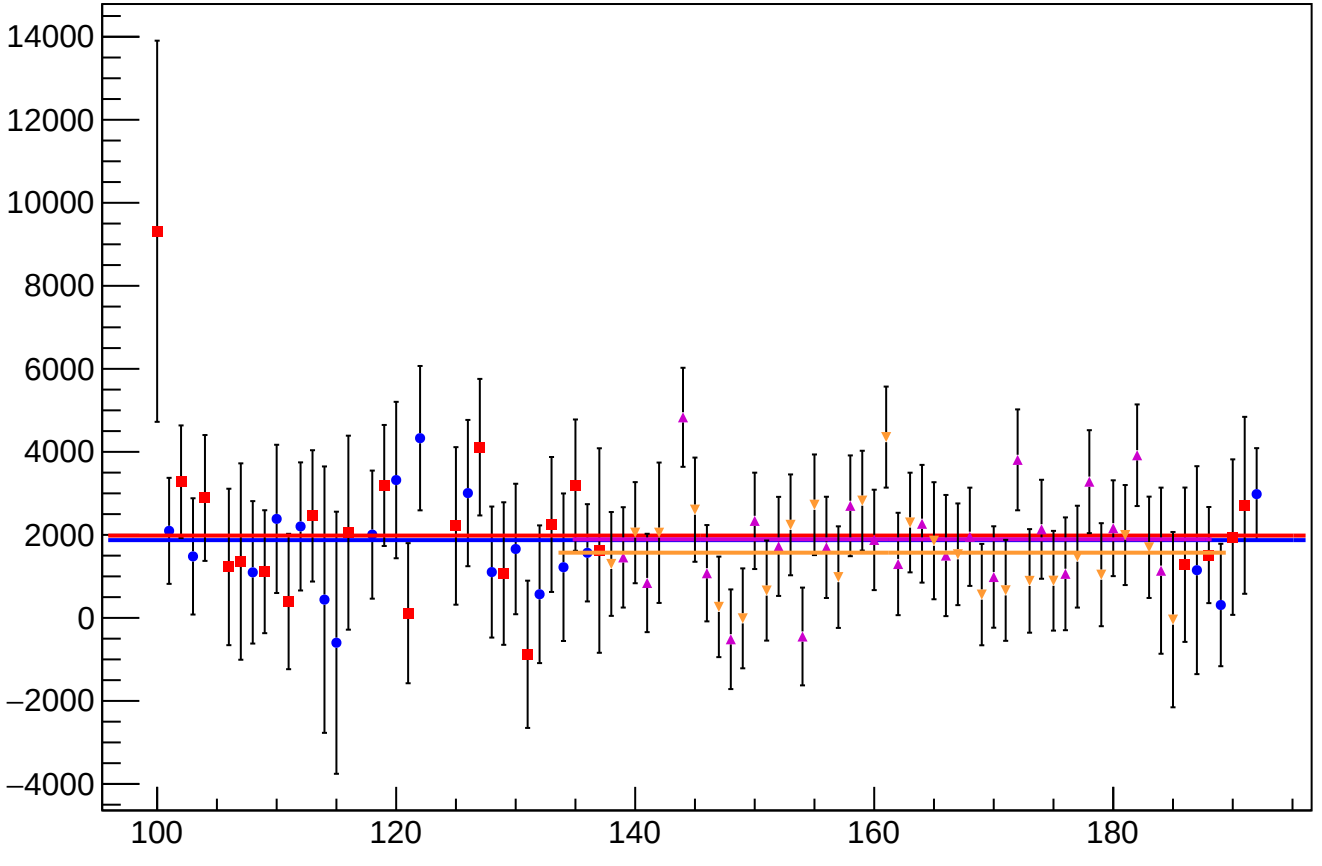
Right: 936.794+/-0.165 χ^2/NDF: 3685466.2/40

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

Out: 1189.754+/-0.169 χ^2/NDF:5584830.2/45

All: 1185.118+/-0.119 χ^2/NDF: 10644237.5/8

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: 1983.293+/-364.885 χ^2/NDF: 13.0/21

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

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

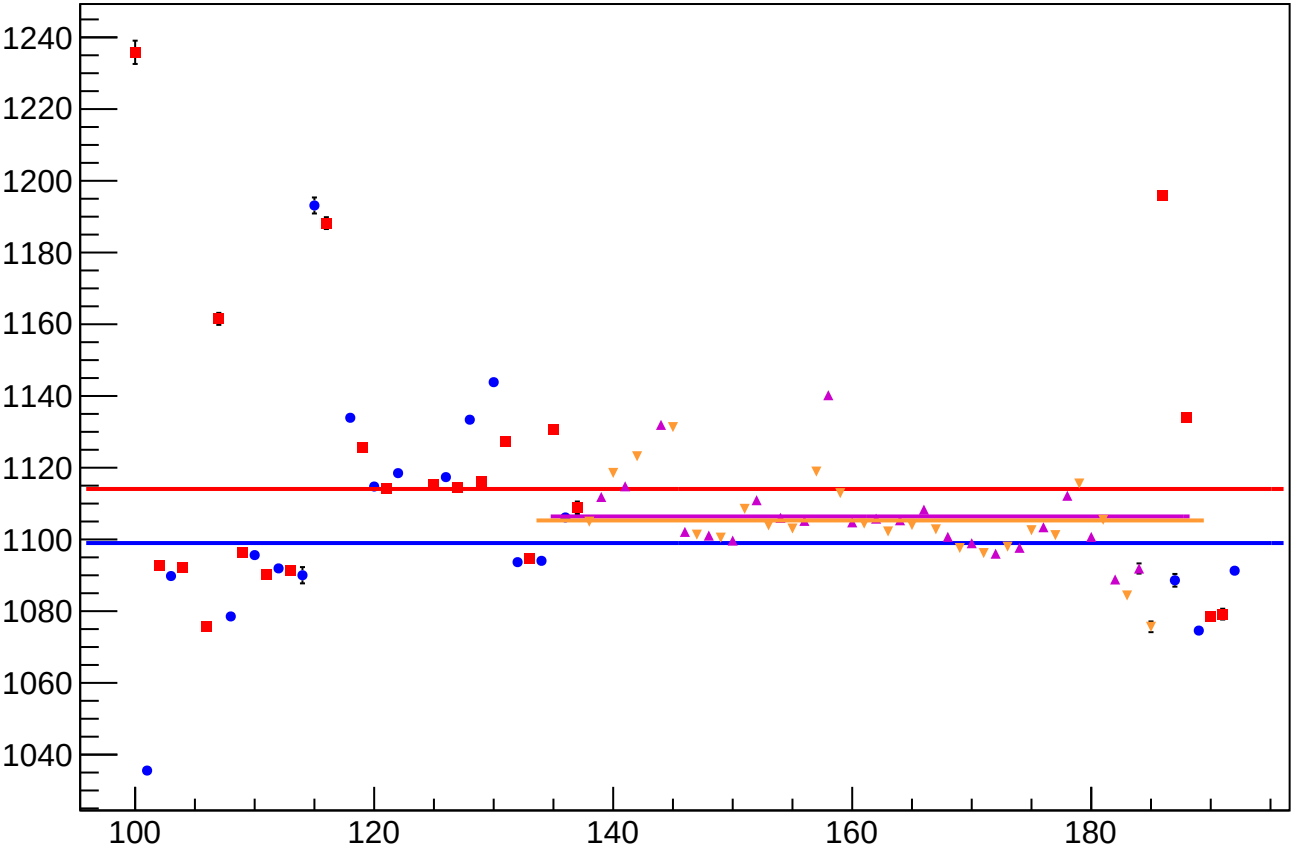
Right: 1928.772+/-258.992 χ^2/NDF: 20.6/40

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

Out: 1707.418+/-209.860 χ^2/NDF:29.2/45

All: 1796.442+/-148.927 χ^2/NDF: 61.2/87

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: 1114.072+/-0.258 χ^2/NDF: 13580.4/21

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

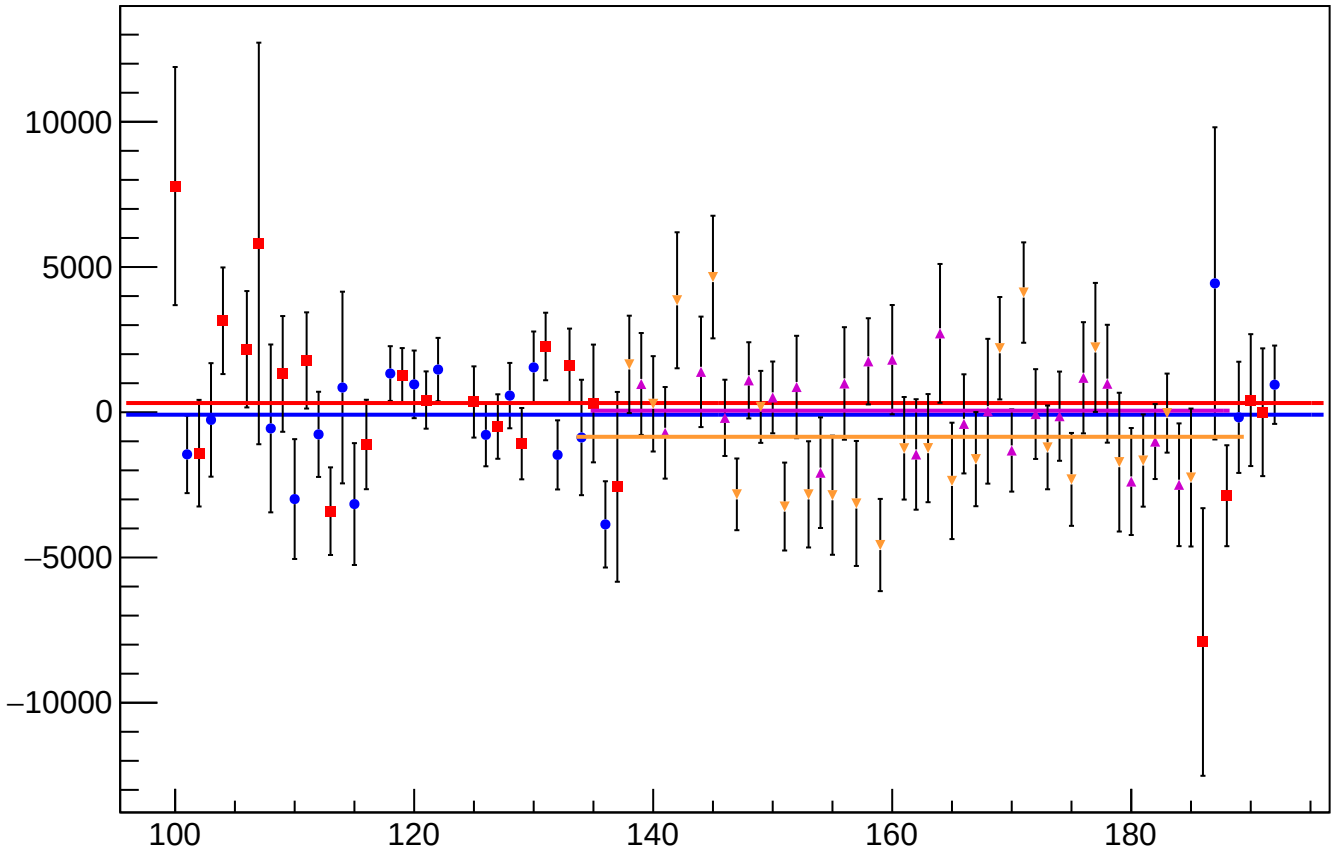
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1106.589+/-0.183 χ^2/NDF: 27426.6/40

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

Out: 1108.198+/-0.148 χ^2/NDF:17516.8/45

All: 1106.092+/-0.105 χ^2/NDF: 34394.5/87



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: 317.715+/-330.084 χ^2/NDF: 30.1/21

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

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

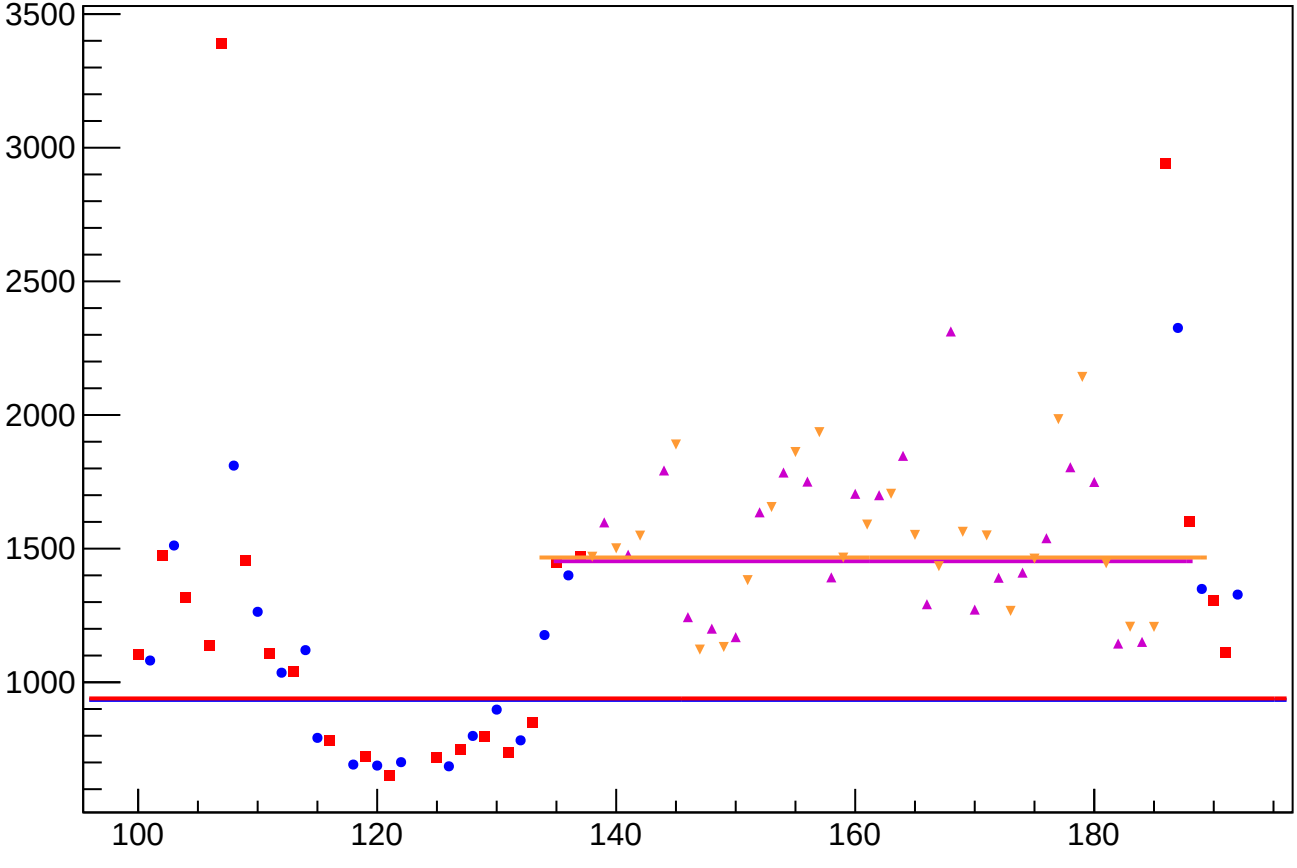
Right: 116.014+/-233.026 χ^2/NDF: 53.2/40

In: -18.499+/-238.415 χ^2/NDF:35.5/41

Out: -233.867+/-239.275 χ^2/NDF:80.2/45

All: -125.795+/-168.888 χ^2/NDF: 116.1/87

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: 939.518+/-0.233 χ^2/NDF: 2119329.4/21

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

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

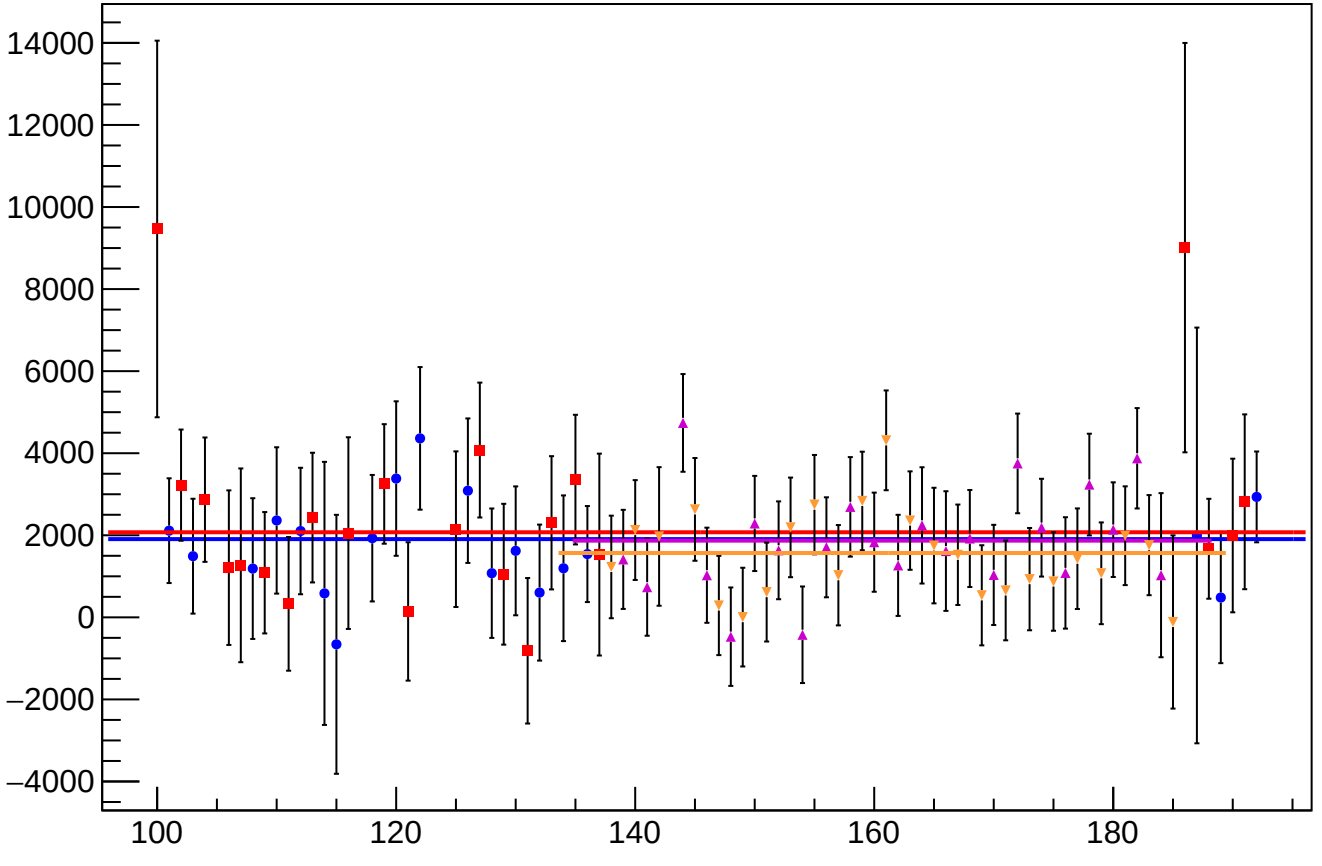
Right: 936.794+/-0.165 χ^2/NDF: 3685464.7/40

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

Out: 1189.753+/-0.169 χ^2/NDF:5584831.1/45

All: 1185.118+/-0.119 χ^2/NDF: 10644238.3/8

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: 2073.531+/-372.635 χ^2/NDF: 14.9/21

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

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

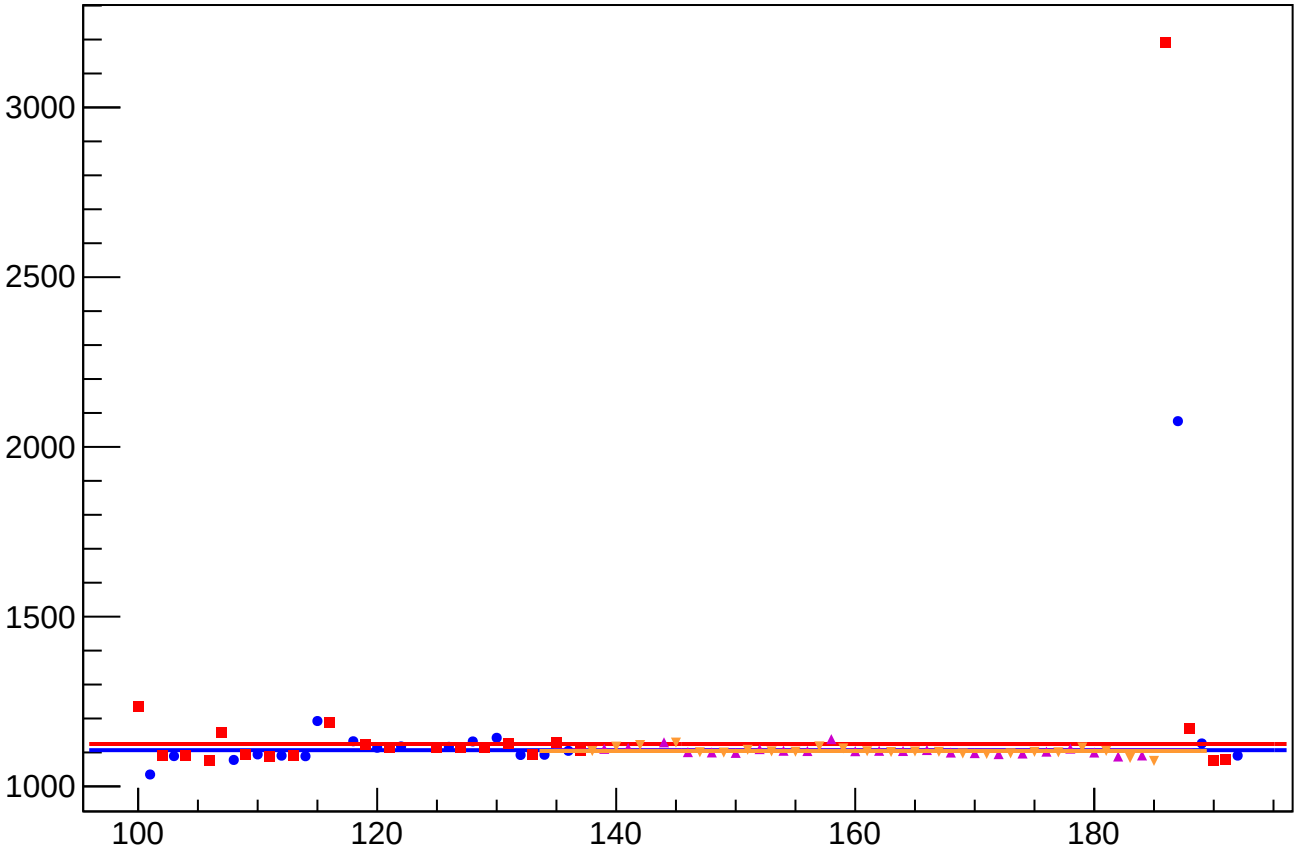
Right: 1990.027+/-263.331 χ^2/NDF: 22.1/40

In: 1881.483+/-212.091 χ^2/NDF:30.5/41

Out: 1730.879+/-211.169 χ^2/NDF:31.6/45

All: 1805.853+/-149.644 χ^2/NDF: 62.3/87

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: 1124.853+/-0.263 χ^2/NDF: 358456.7/21

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

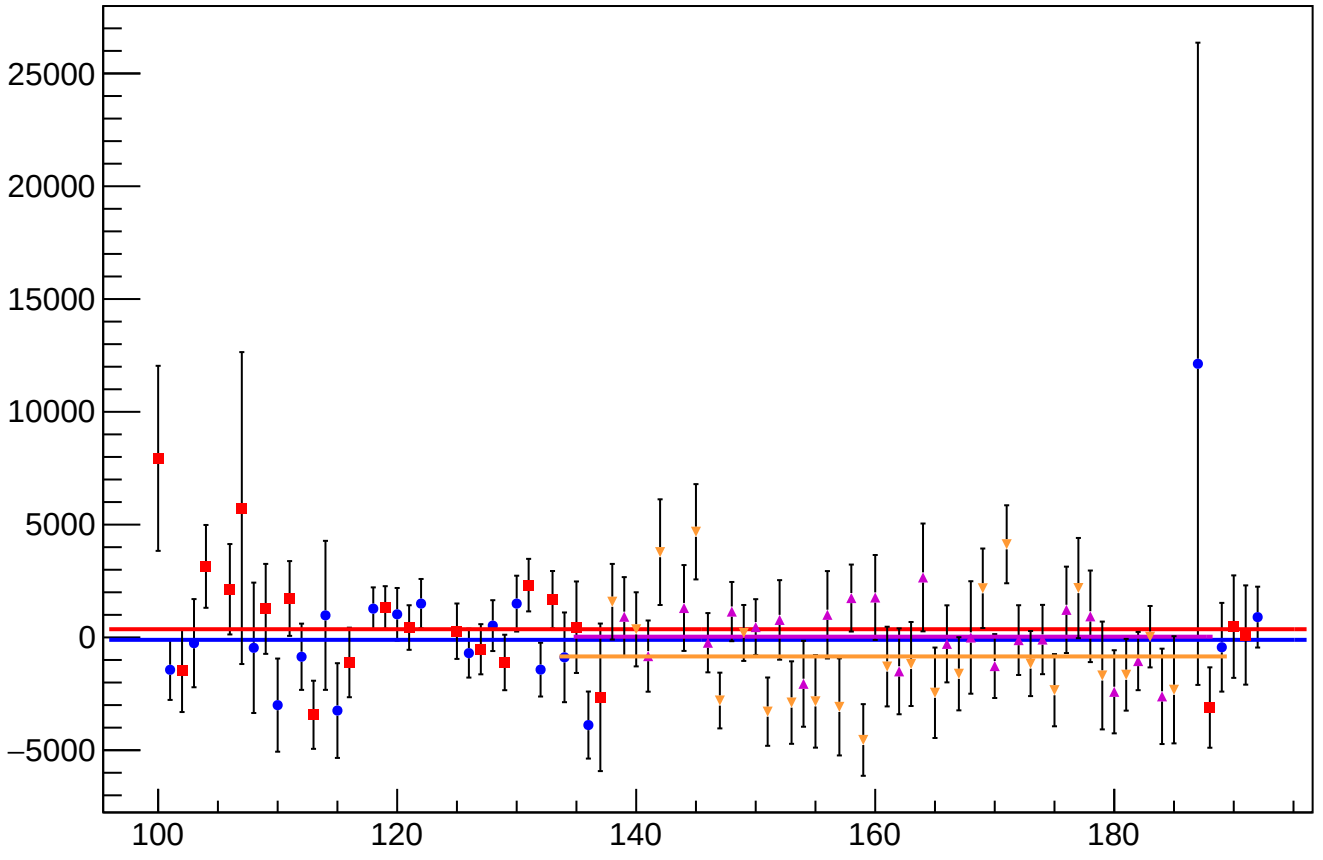
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1115.757+/-0.186 χ^2/NDF: 446433.6/40

In: 1105.804+/-0.150 χ^2/NDF:89274.2/41

Out: 1110.872+/-0.149 χ^2/NDF:365603.1/45

All: 1108.349+/-0.106 χ^2/NDF: 455450.8/87



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: 363.718+/-331.690 χ^2/NDF: 27.9/20

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

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

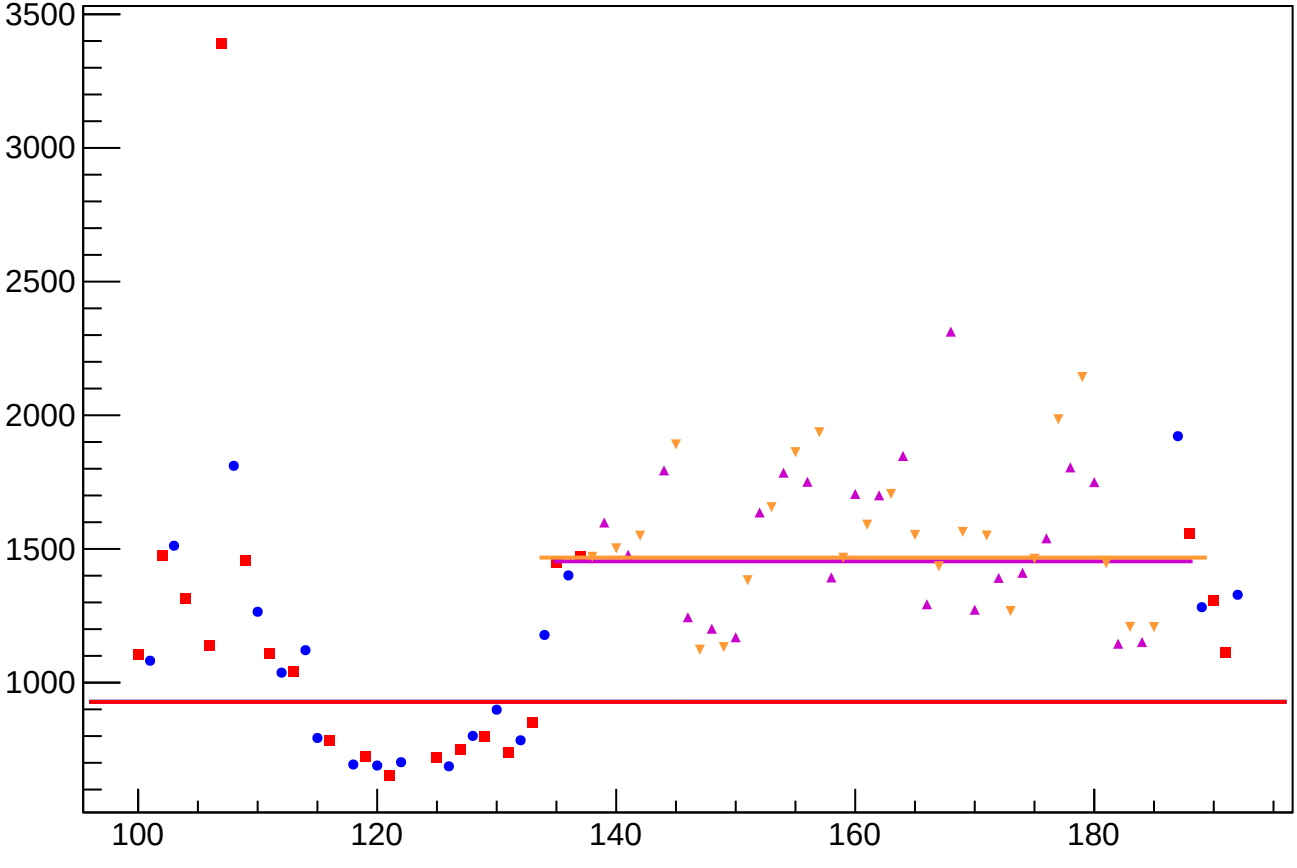
Right: 127.061+/-234.040 χ^2/NDF: 51.2/39

In: -41.360+/-238.958 χ^2/NDF:35.4/41

Out: -211.635+/-239.947 χ^2/NDF:78.2/44

All: -126.146+/-169.318 χ^2/NDF: 113.9/86

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: 927.931+/-0.235 χ^2/NDF: 1683881.6/20

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

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

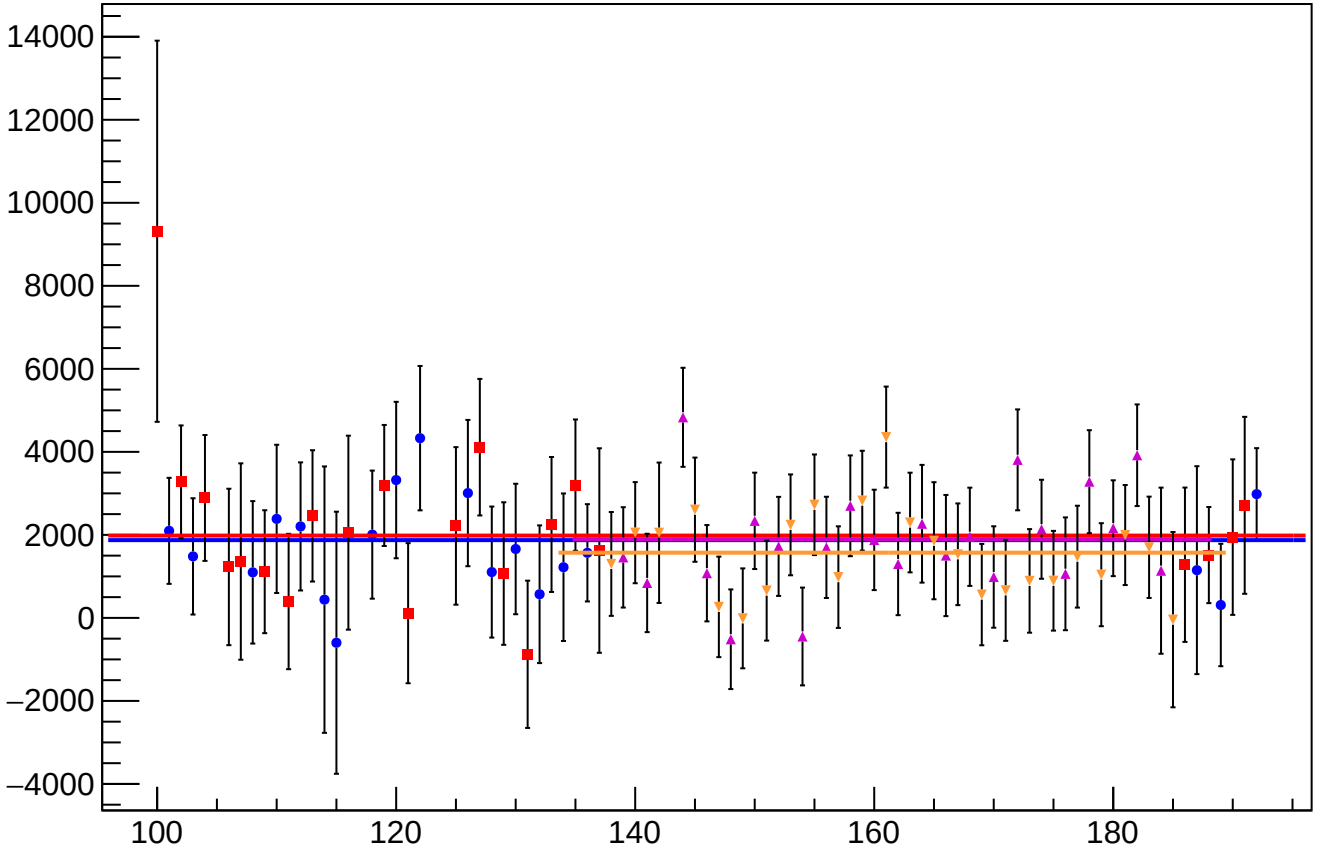
Right: 928.148+/-0.165 χ^2/NDF: 3087113.8/39

In: 1178.772+/-0.169 χ^2/NDF:4943729.2/41

Out: 1185.227+/-0.170 χ^2/NDF:5250420.0/44

All: 1181.986+/-0.120 χ^2/NDF: 10194875.9/8

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: 1983.293+/-364.885 χ^2/NDF: 13.0/21

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

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

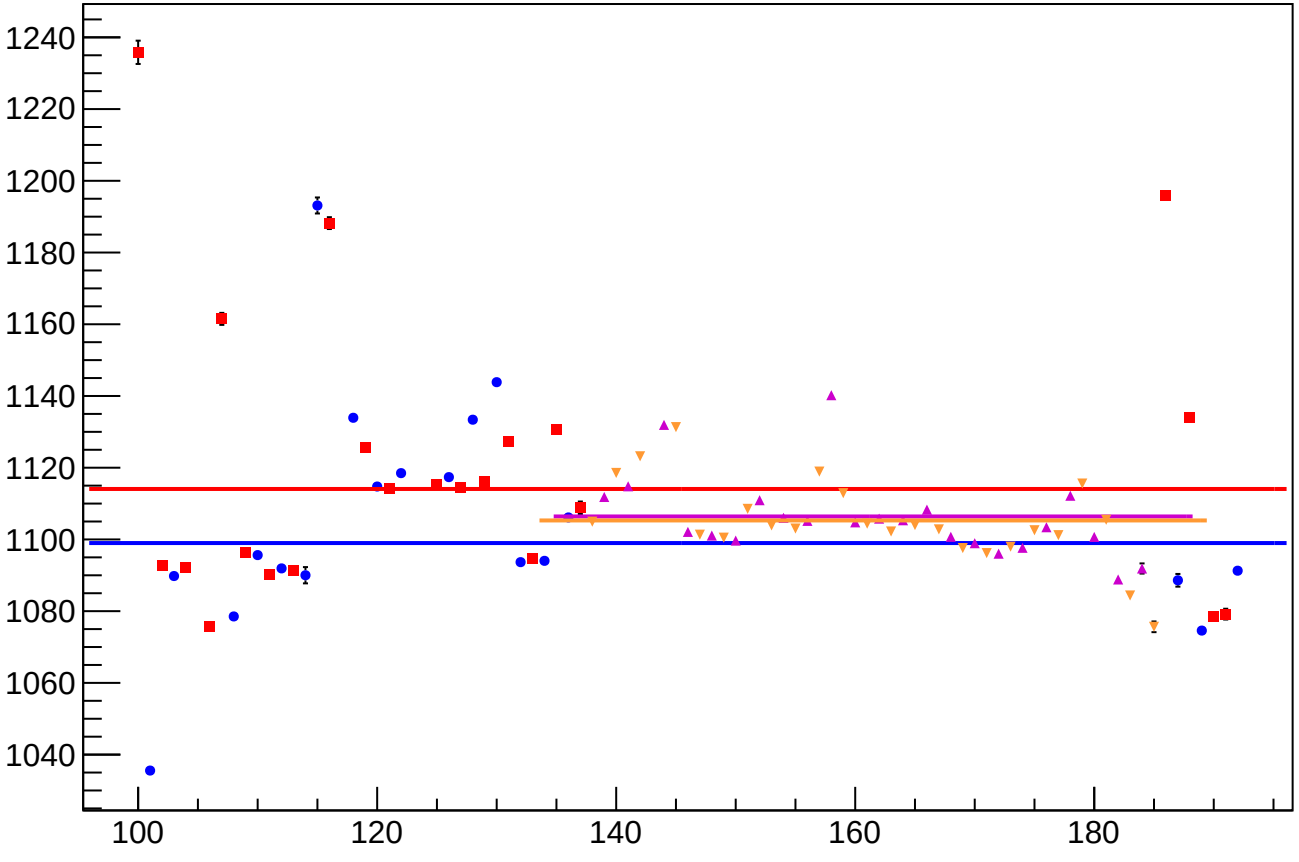
Right: 1928.772+/-258.992 χ^2/NDF: 20.6/40

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

Out: 1707.418+/-209.860 χ^2/NDF:29.2/45

All: 1796.442+/-148.927 χ^2/NDF: 61.2/87

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: 1114.072+/-0.258 χ^2/NDF: 13580.4/21

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

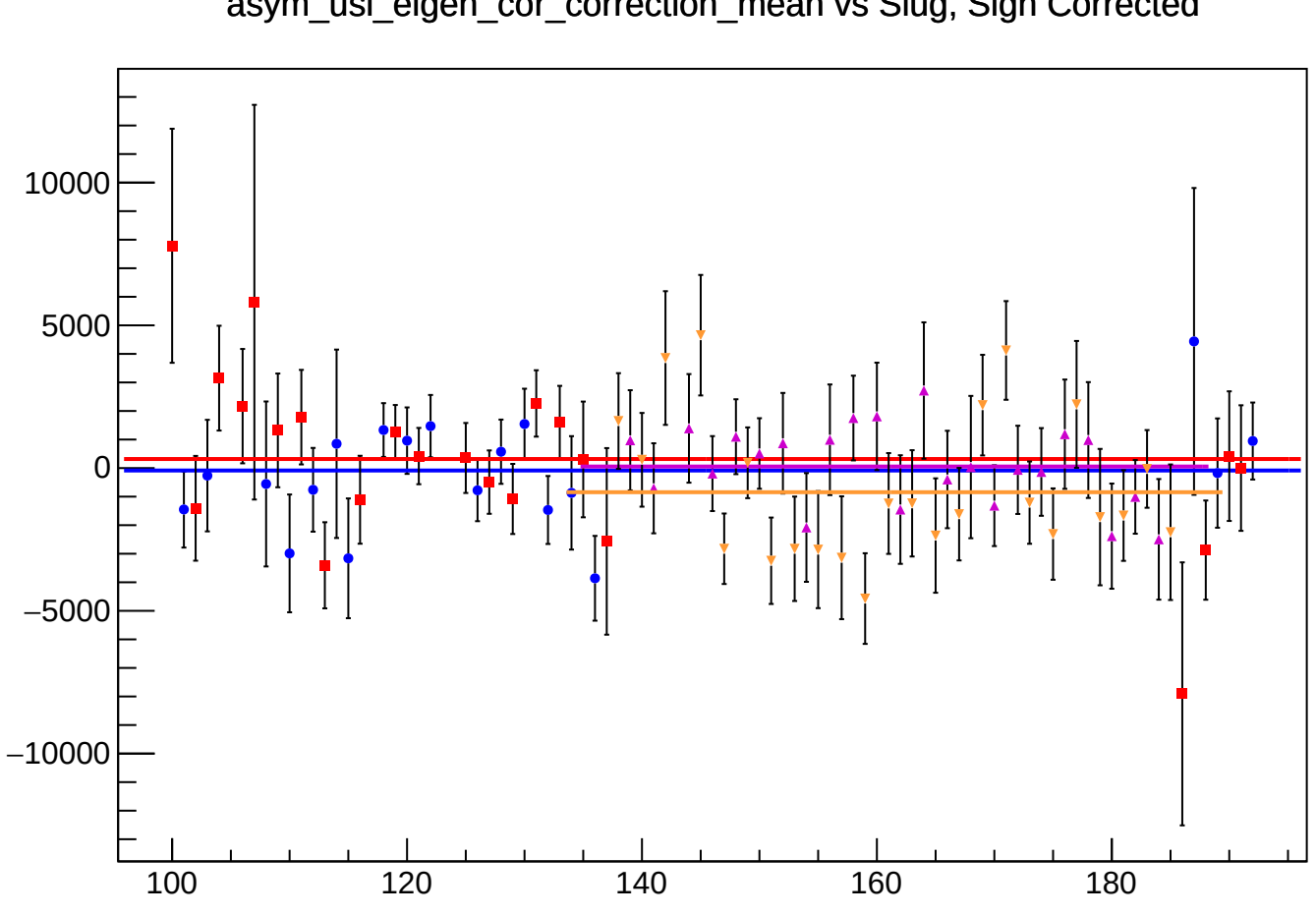
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1106.589+/-0.183 χ^2/NDF: 27426.6/40

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

Out: 1108.198+/-0.148 χ^2/NDF:17516.8/45

All: 1106.092+/-0.105 χ^2/NDF: 34394.5/87



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: 317.715+/-330.084 χ^2/NDF: 30.1/21

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

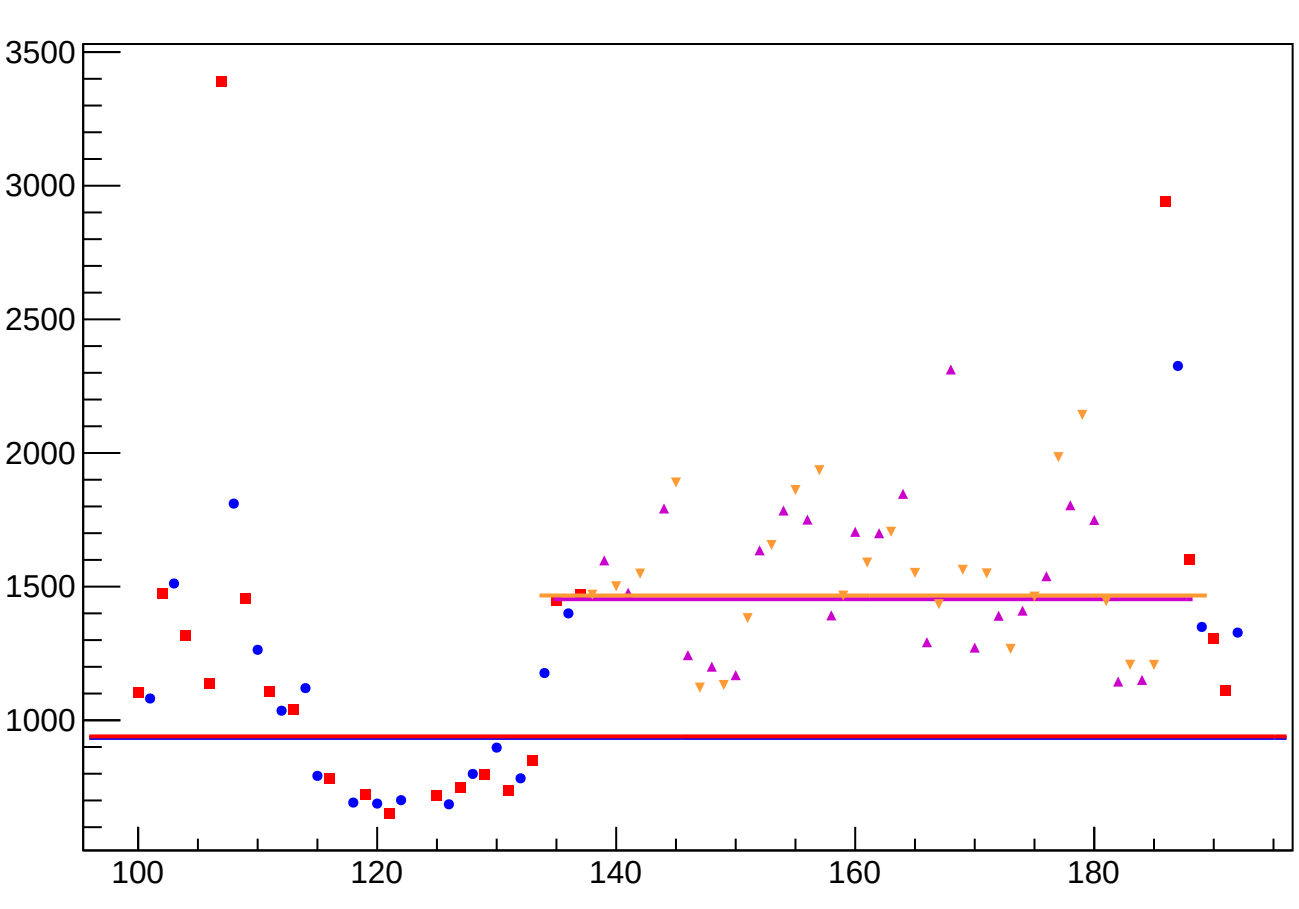
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 116.014+/-233.026 χ^2/NDF: 53.2/40

In: -18.499+/-238.415 χ^2/NDF:35.5/41

Out: -233.867+/-239.275 χ^2/NDF:80.2/45

All: -125.795+/-168.888 χ^2/NDF: 116.1/87



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: 939.518+/-0.233 χ^2/NDF: 2119329.4/21

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

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

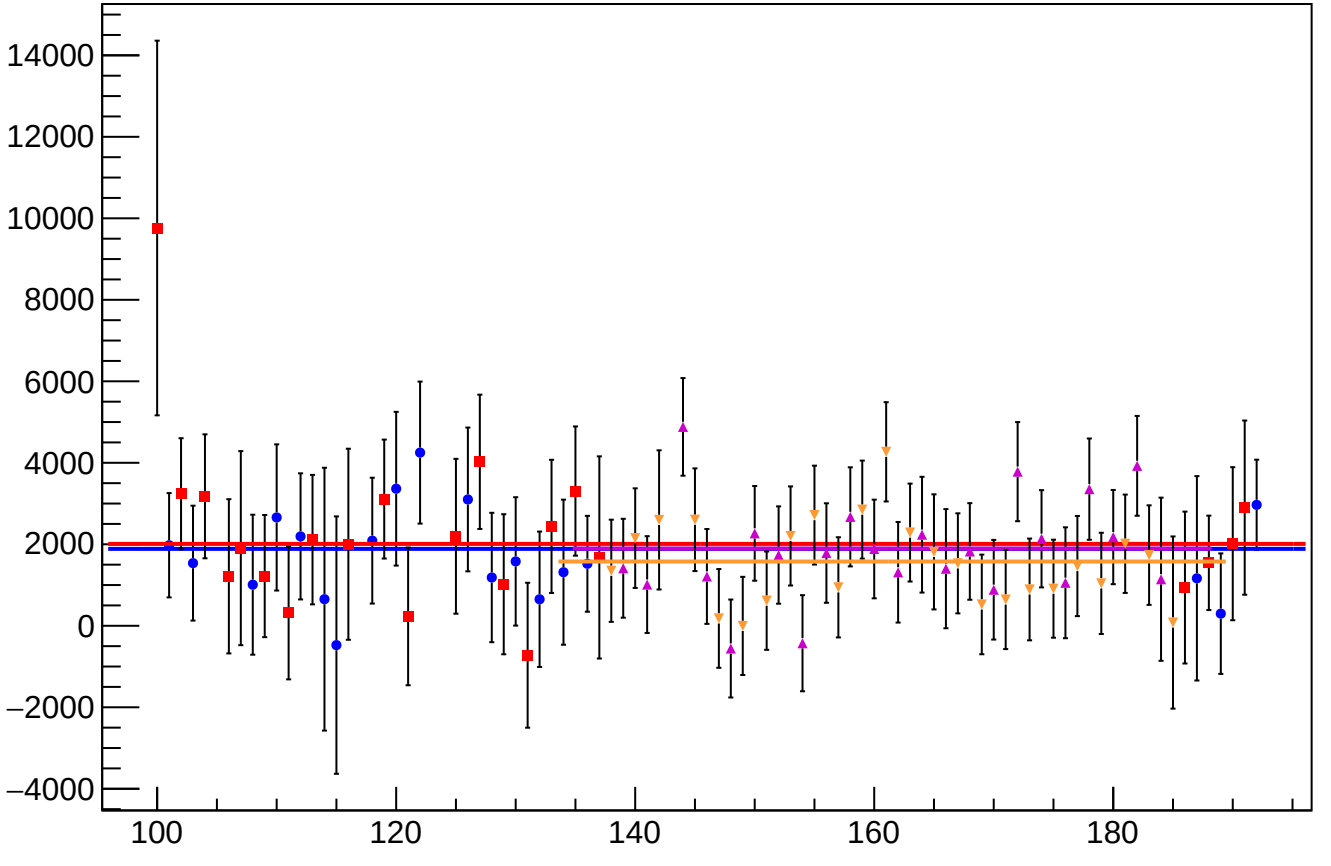
Right: 936.794+/-0.165 χ^2/NDF: 3685464.7/40

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

Out: 1189.753+/-0.169 χ^2/NDF:5584831.1/45

All: 1185.118+/-0.119 χ^2/NDF: 10644238.3/8

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: 2009.521+/-366.094 χ^2/NDF: 13.1/21

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

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

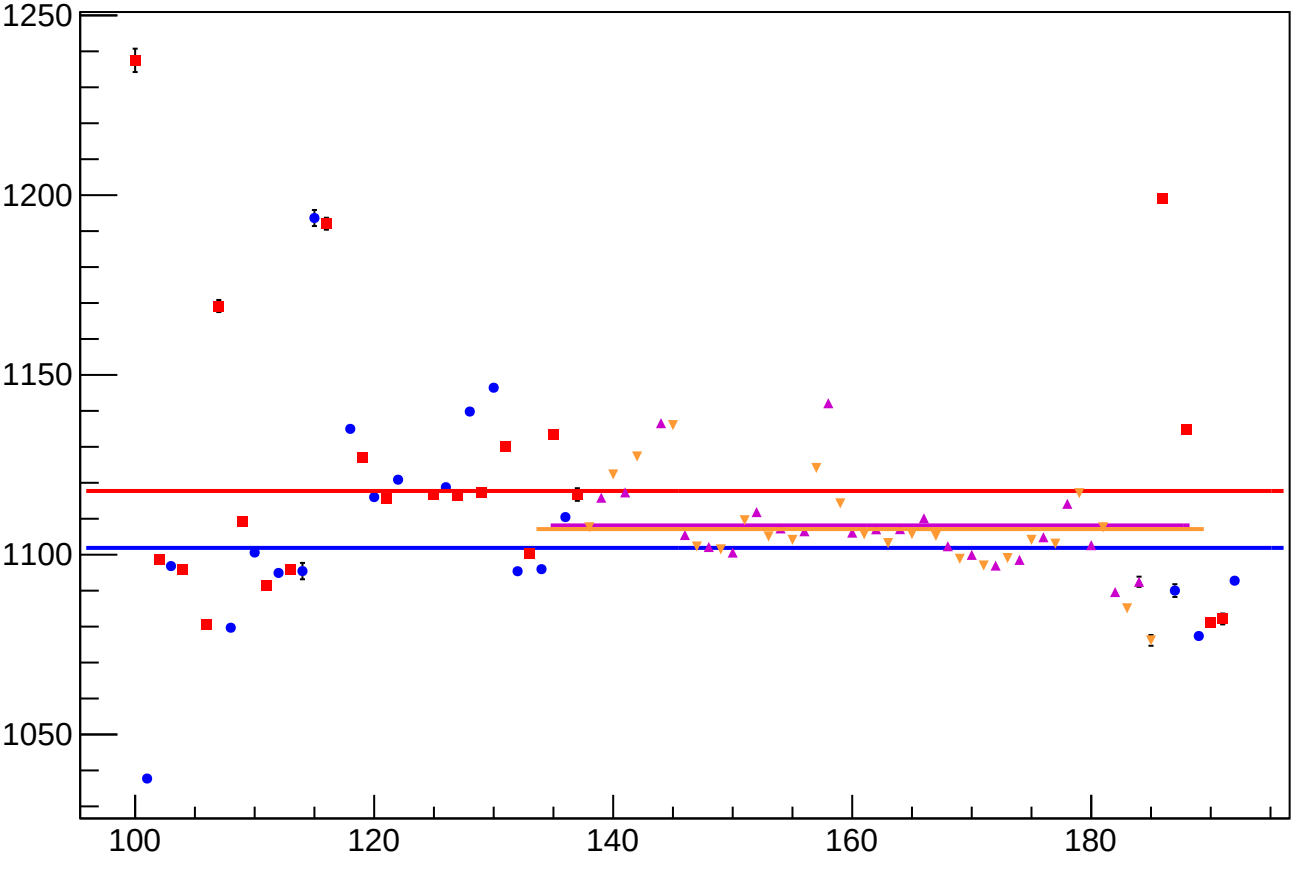
Right: 1949.018+/-259.766 χ^2/NDF: 20.5/40

In: 1892.947+/-211.788 χ^2/NDF:31.5/41

Out: 1720.056+/-210.346 χ^2/NDF:29.5/45

All: 1805.911+/-149.244 χ^2/NDF: 61.3/87

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: 1117.726+/-0.259 χ^2/NDF: 12993.0/21

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

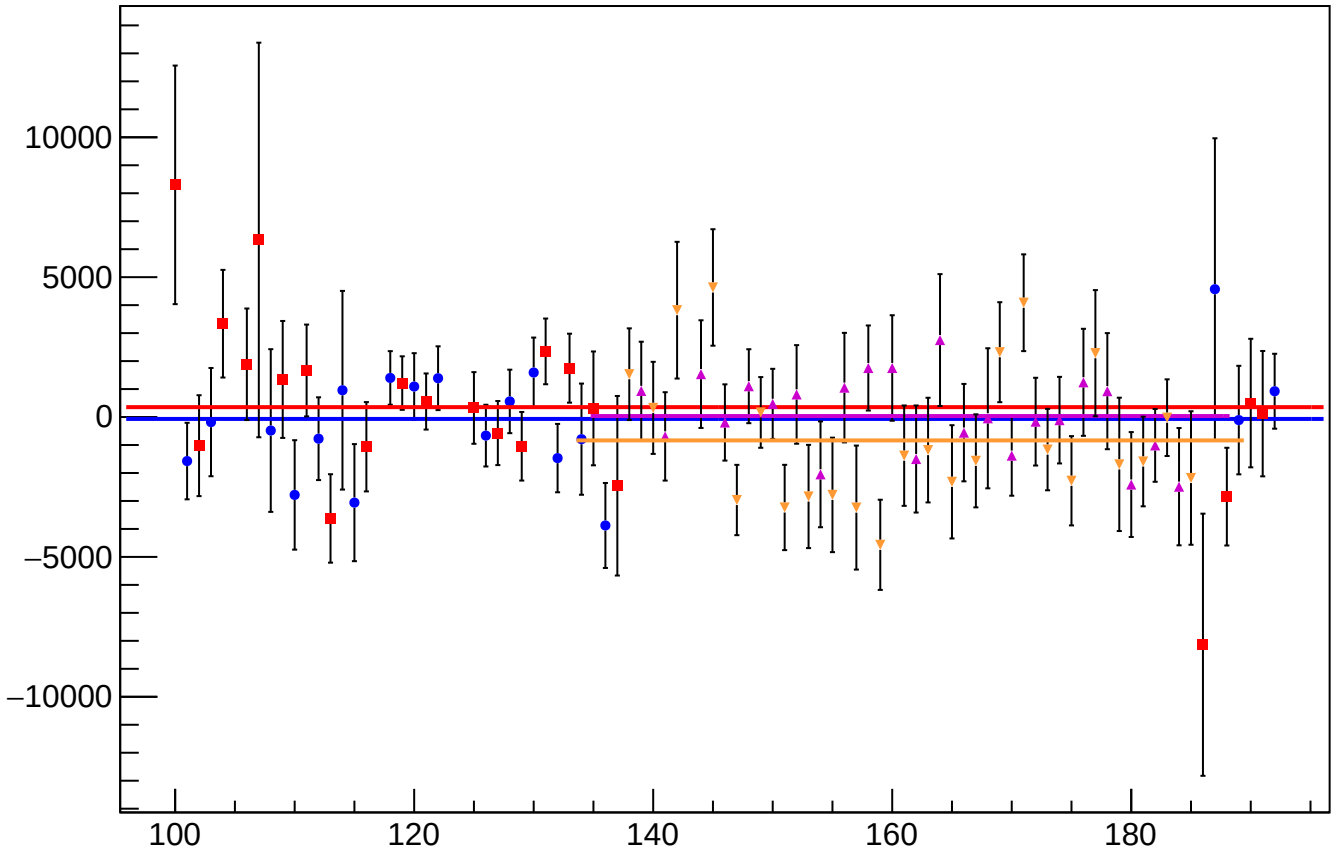
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1109.865+/-0.184 χ^2/NDF: 27052.5/40

In: 1106.082+/-0.150 χ^2/NDF:16778.3/41

Out: 1110.626+/-0.149 χ^2/NDF:17899.7/45

All: 1108.369+/-0.106 χ^2/NDF: 35141.4/87



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: 353.581+/-335.080 χ^2/NDF: 30.1/21

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

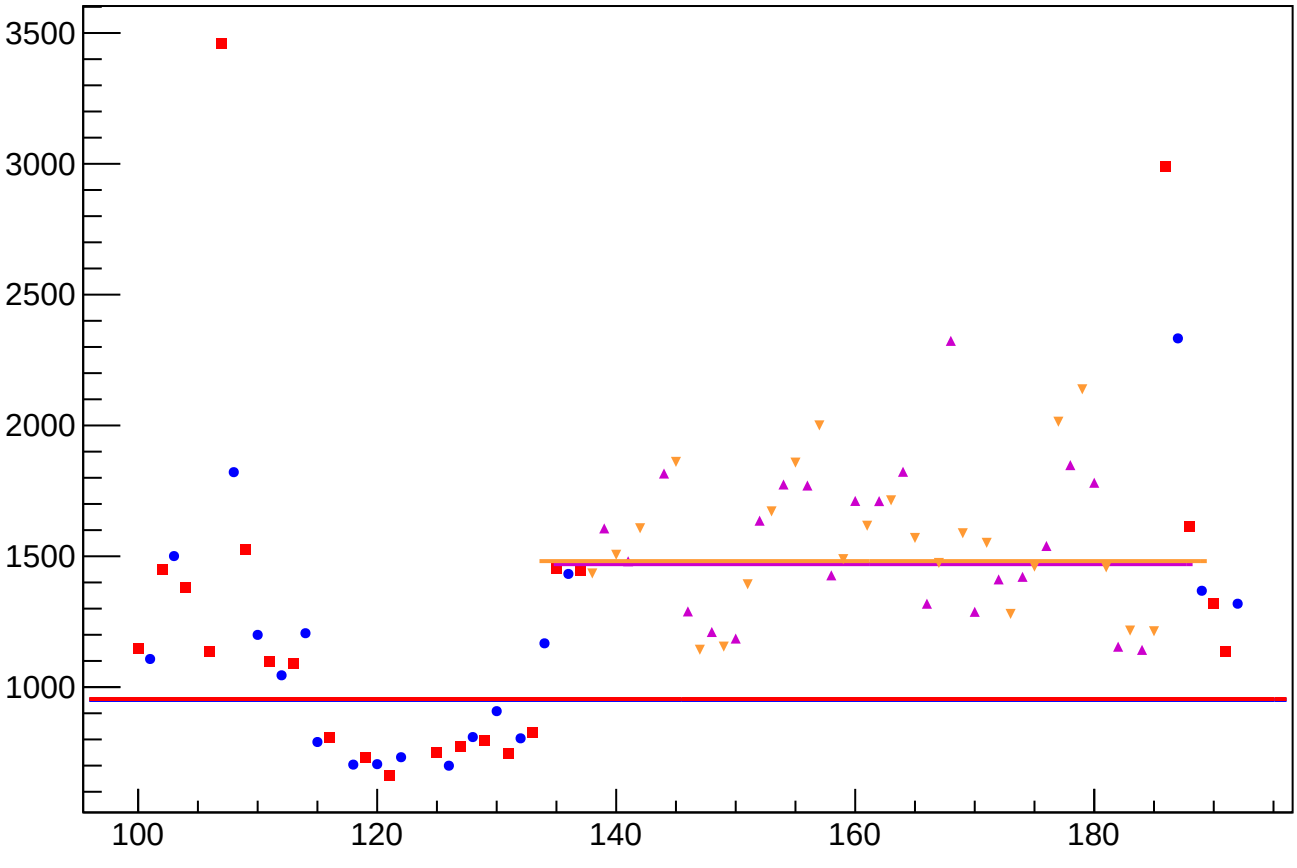
Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

Right: 142.397+/-236.581 χ^2/NDF: 52.7/40

In: -18.346+/-241.541 χ^2/NDF:35.0/41

Out: -213.933+/-242.243 χ^2/NDF:79.7/45

All: -115.856+/-171.043 χ^2/NDF: 115.0/87



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: 954.531+/-0.237 χ^2/NDF: 2106894.9/21

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

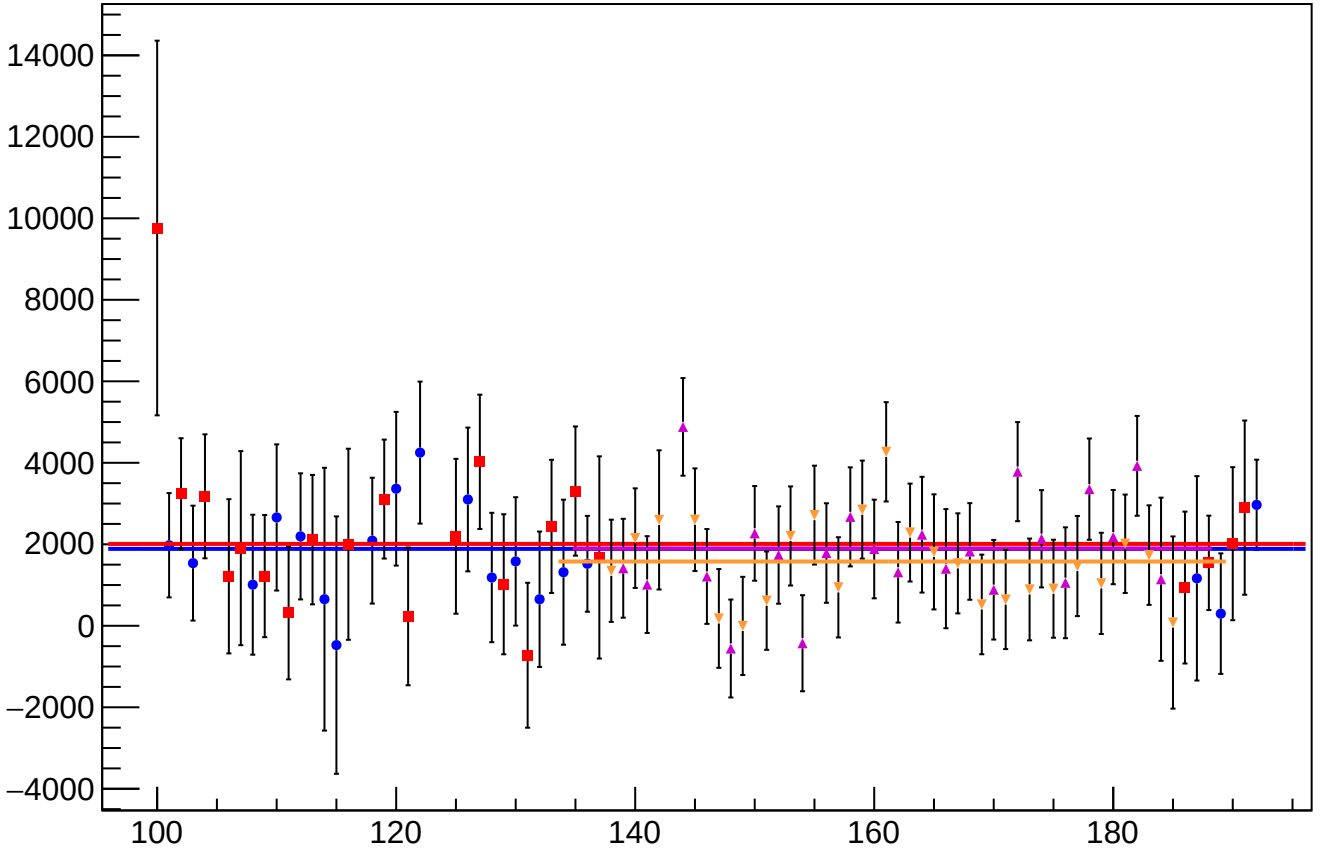
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 952.715+/-0.167 χ^2/NDF: 3593838.9/40

In: 1198.603+/-0.171 χ^2/NDF:4885547.9/41

Out: 1206.104+/-0.171 χ^2/NDF:5486013.6/45

All: 1202.342+/-0.121 χ^2/NDF: 10372523.1/8



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: 2009.518+/-366.094 χ^2/NDF: 13.1/21

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

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

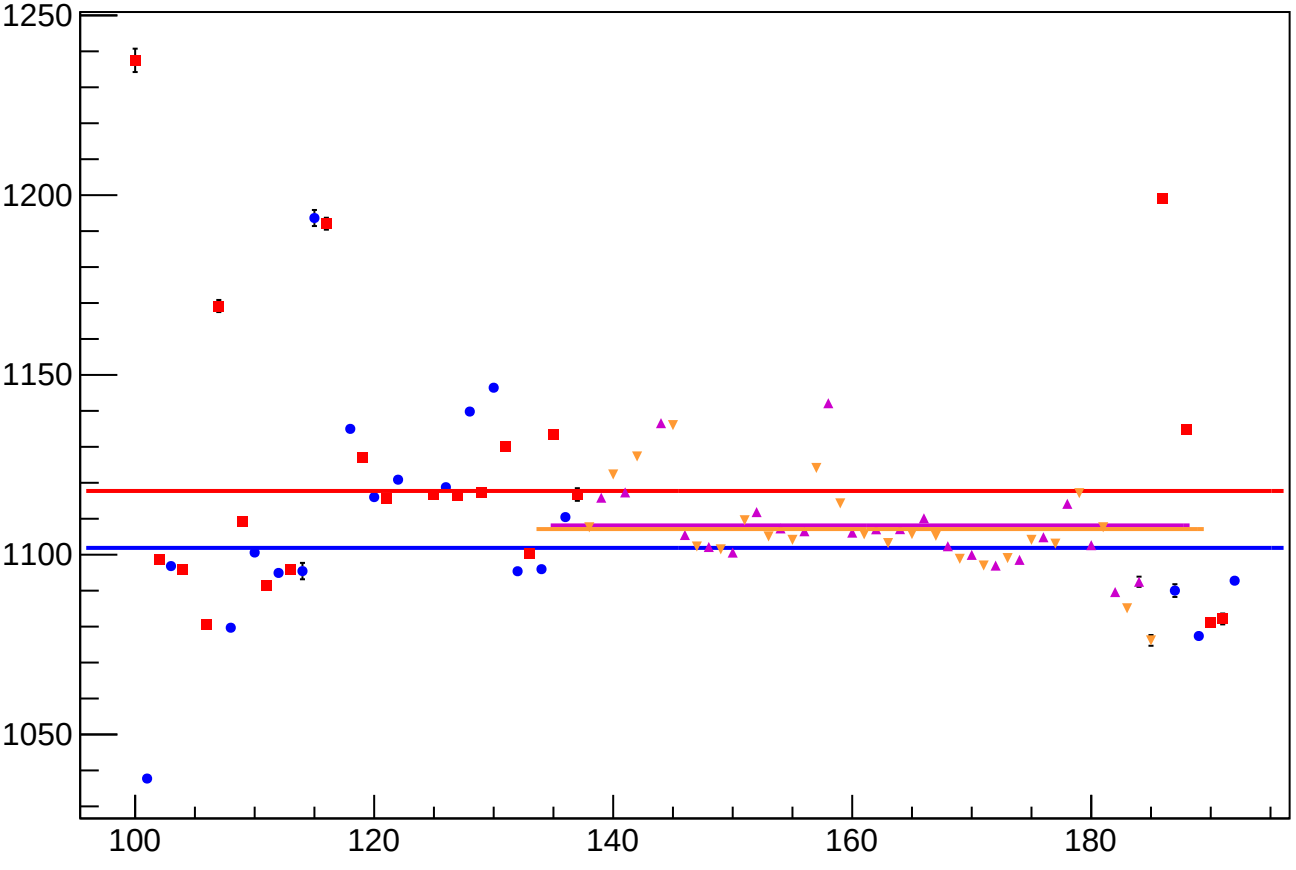
Right: 1949.017+/-259.766 χ^2/NDF: 20.5/40

In: 1892.948+/-211.788 χ^2/NDF:31.5/41

Out: 1720.054+/-210.346 χ^2/NDF:29.5/45

All: 1805.910+/-149.244 χ^2/NDF: 61.3/87

eigen_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: 1117.726+/-0.259 χ^2/NDF: 12992.9/21

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

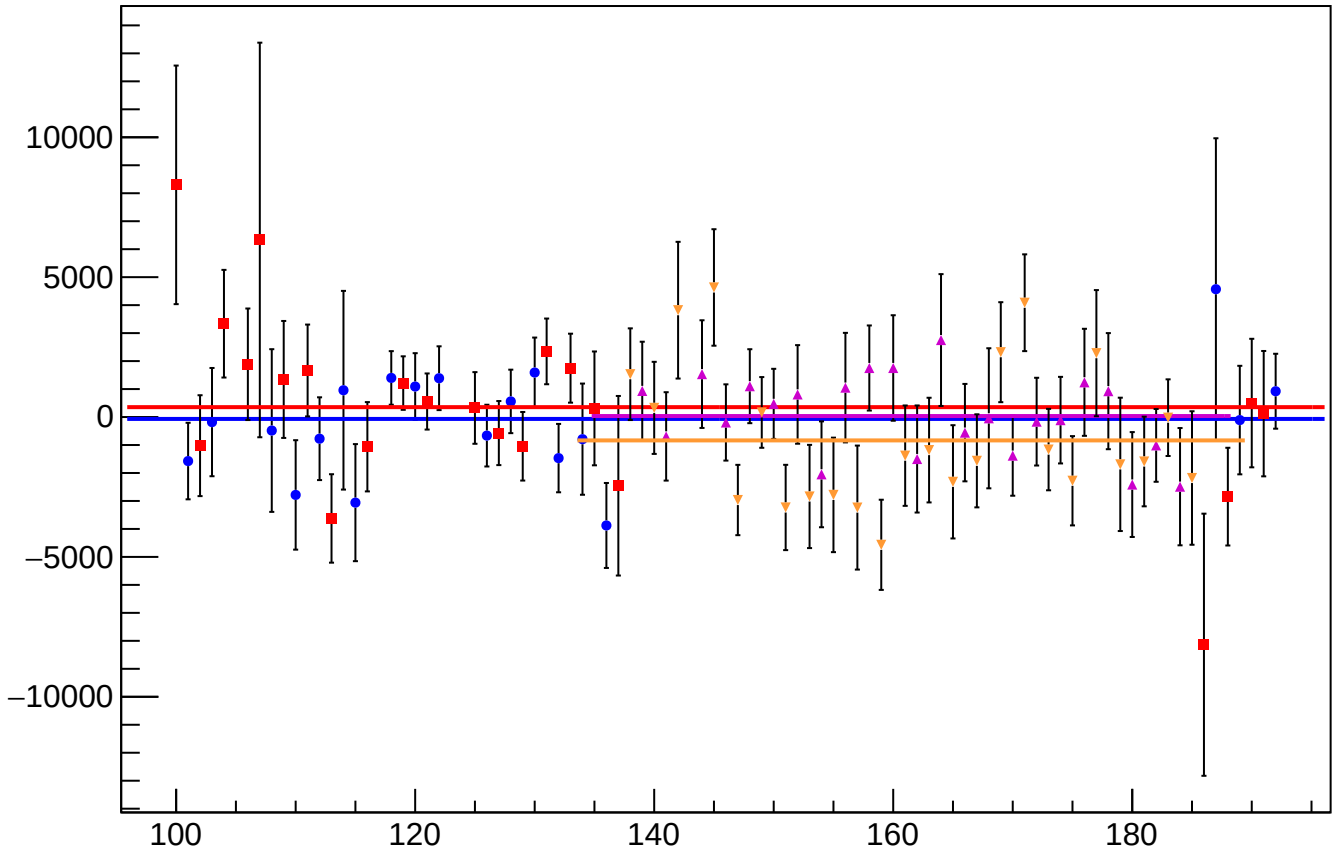
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1109.865+/-0.184 χ^2/NDF: 27052.5/40

In: 1106.082+/-0.150 χ^2/NDF:16778.3/41

Out: 1110.626+/-0.149 χ^2/NDF:17899.6/45

All: 1108.369+/-0.106 χ^2/NDF: 35141.3/87



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: 353.581+/-335.080 χ^2/NDF: 30.1/21

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

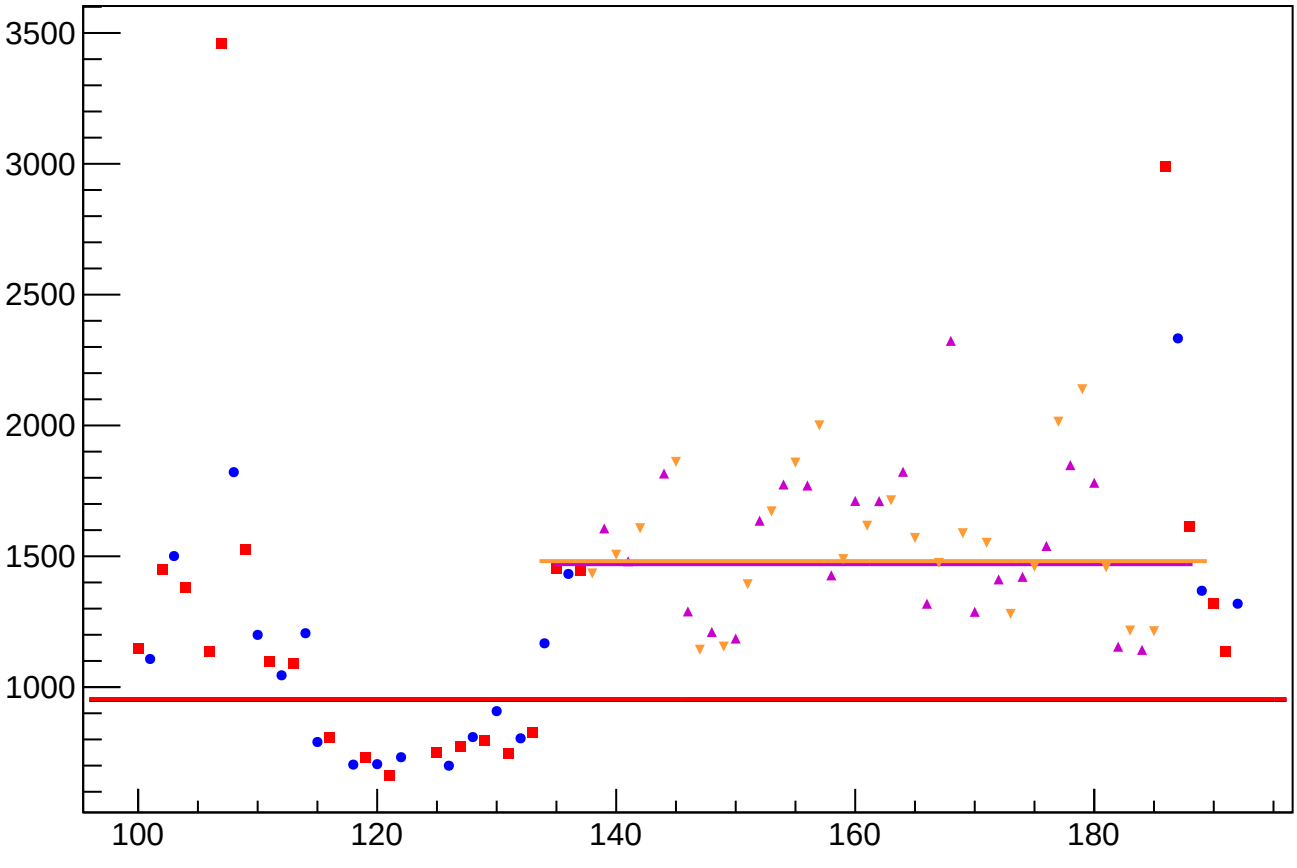
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: 142.397+/-236.581 χ^2/NDF: 52.7/40

In: -18.346+/-241.540 χ^2/NDF:35.0/41

Out: -213.933+/-242.243 χ^2/NDF:79.7/45

All: -115.855+/-171.043 χ^2/NDF: 115.0/87



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: 954.529+/-0.237 χ^2/NDF: 2106902.1/21

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

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

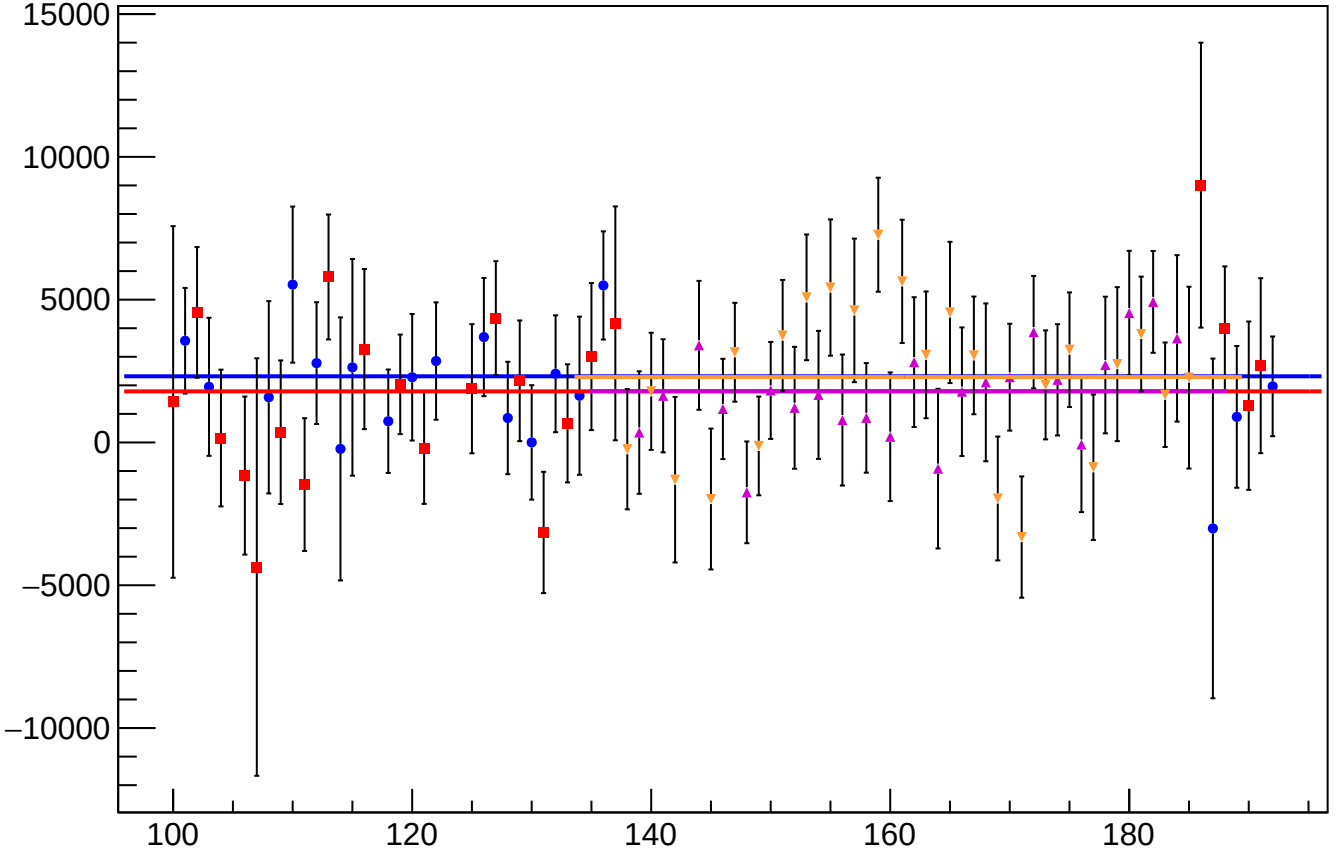
Right: 952.713+/-0.167 χ^2/NDF: 3593853.3/40

In: 1198.602+/-0.171 χ^2/NDF:4885583.8/41

Out: 1206.102+/-0.171 χ^2/NDF:5486052.1/45

All: 1202.341+/-0.121 χ^2/NDF: 10372597.5/8

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: 1788.562+/-525.520 χ^2/NDF: 21.9/21

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

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

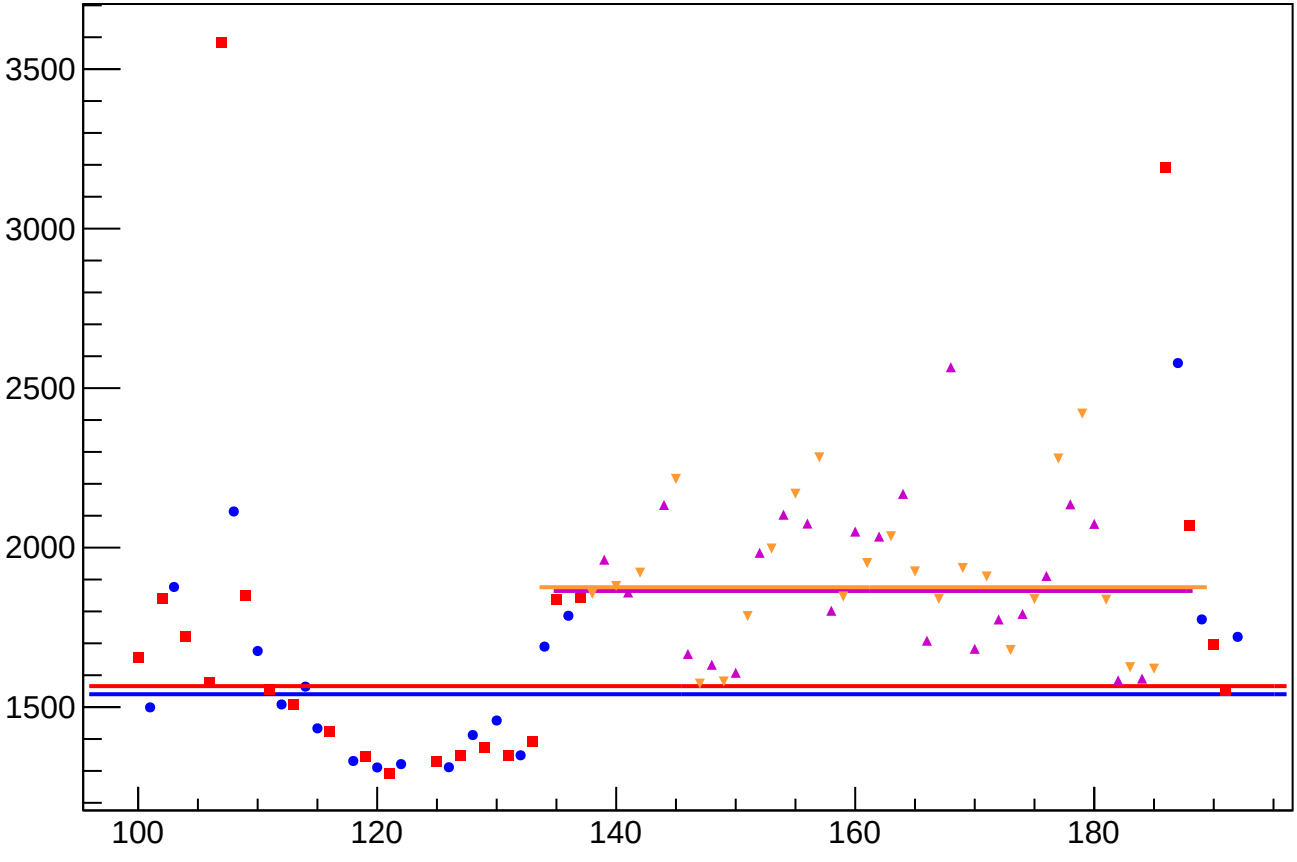
Right: 2054.601+/-370.198 χ^2/NDF: 31.9/40

In: 2012.162+/-335.932 χ^2/NDF:24.3/41

Out: 2083.545+/-337.061 χ^2/NDF:58.5/45

All: 2047.734+/-237.938 χ^2/NDF: 82.8/87

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: 1565.821+/-0.372 χ^2/NDF: 746185.0/21

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

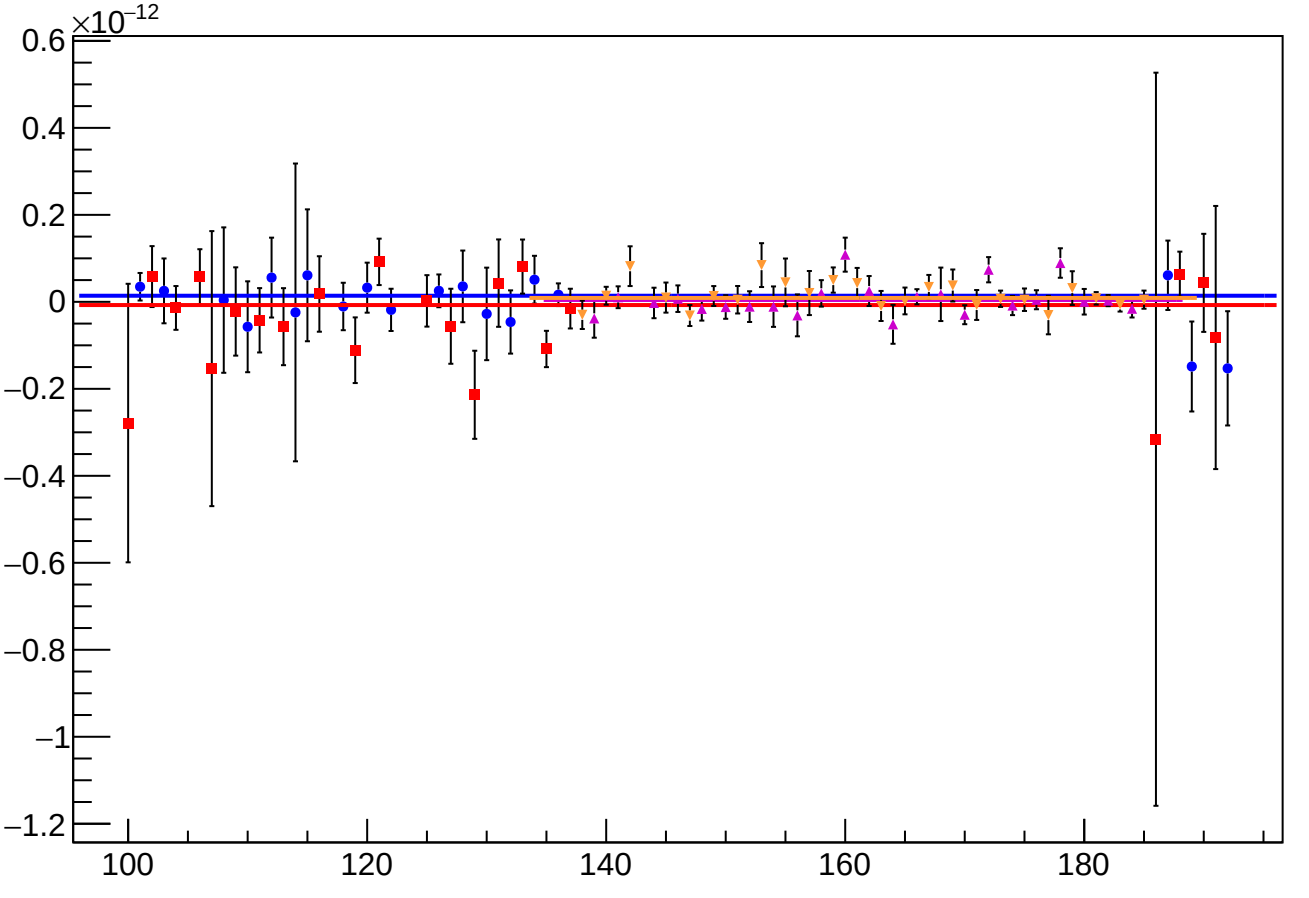
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1553.026+/-0.262 χ^2/NDF: 1117474.3/40

In: 1729.868+/-0.238 χ^2/NDF:1330428.3/41

Out: 1748.293+/-0.238 χ^2/NDF:1628383.9/45

All: 1739.050+/-0.168 χ^2/NDF: 2961810.4/87



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: 23.8/21

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

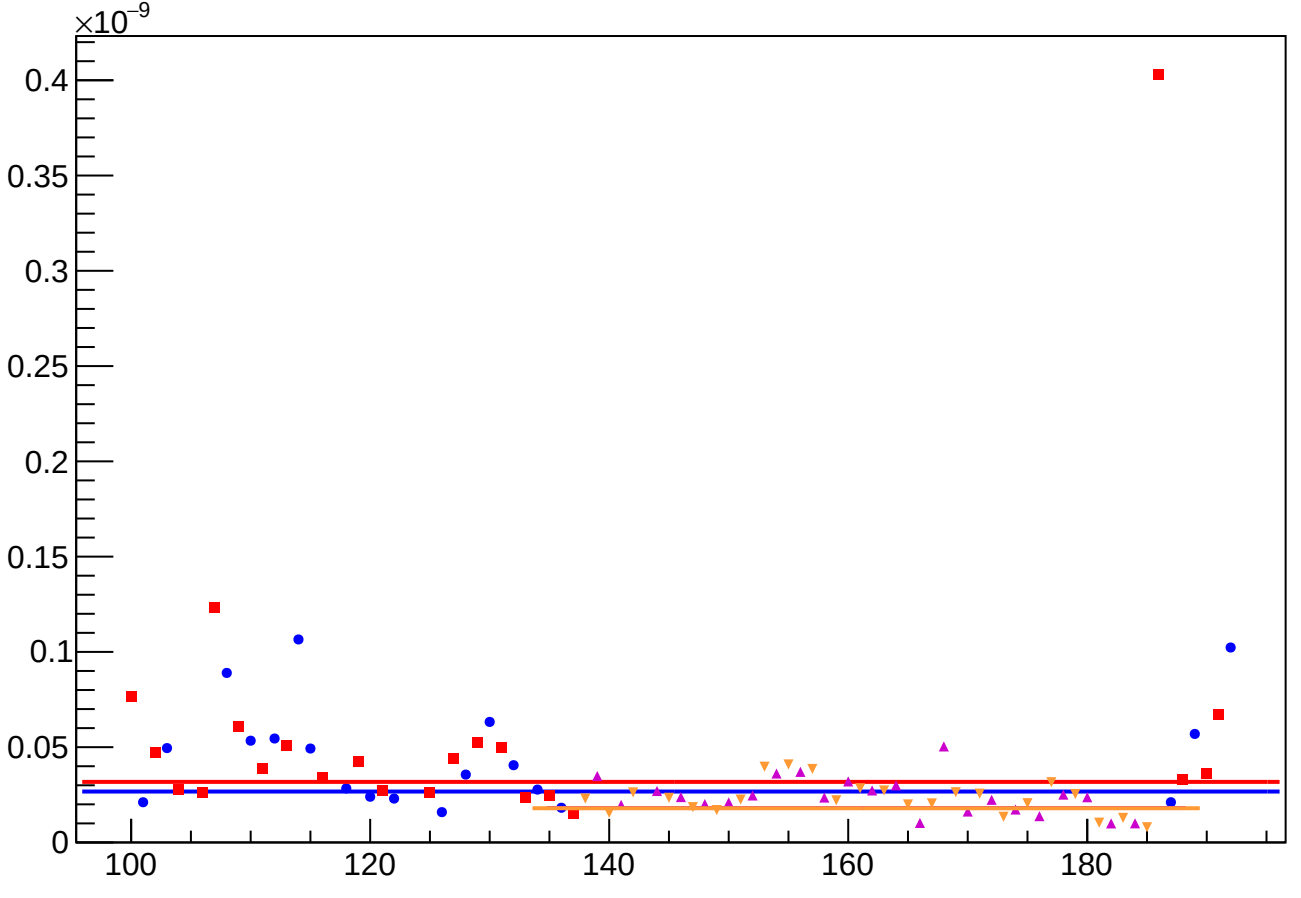
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 32.8/40

In: 0.000+/-0.000 χ^2/NDF:36.5/41

Out: 0.000+/-0.000 χ^2/NDF:41.4/45

All: 0.000+/-0.000 χ^2/NDF: 77.9/87



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: 1648157.5/21

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

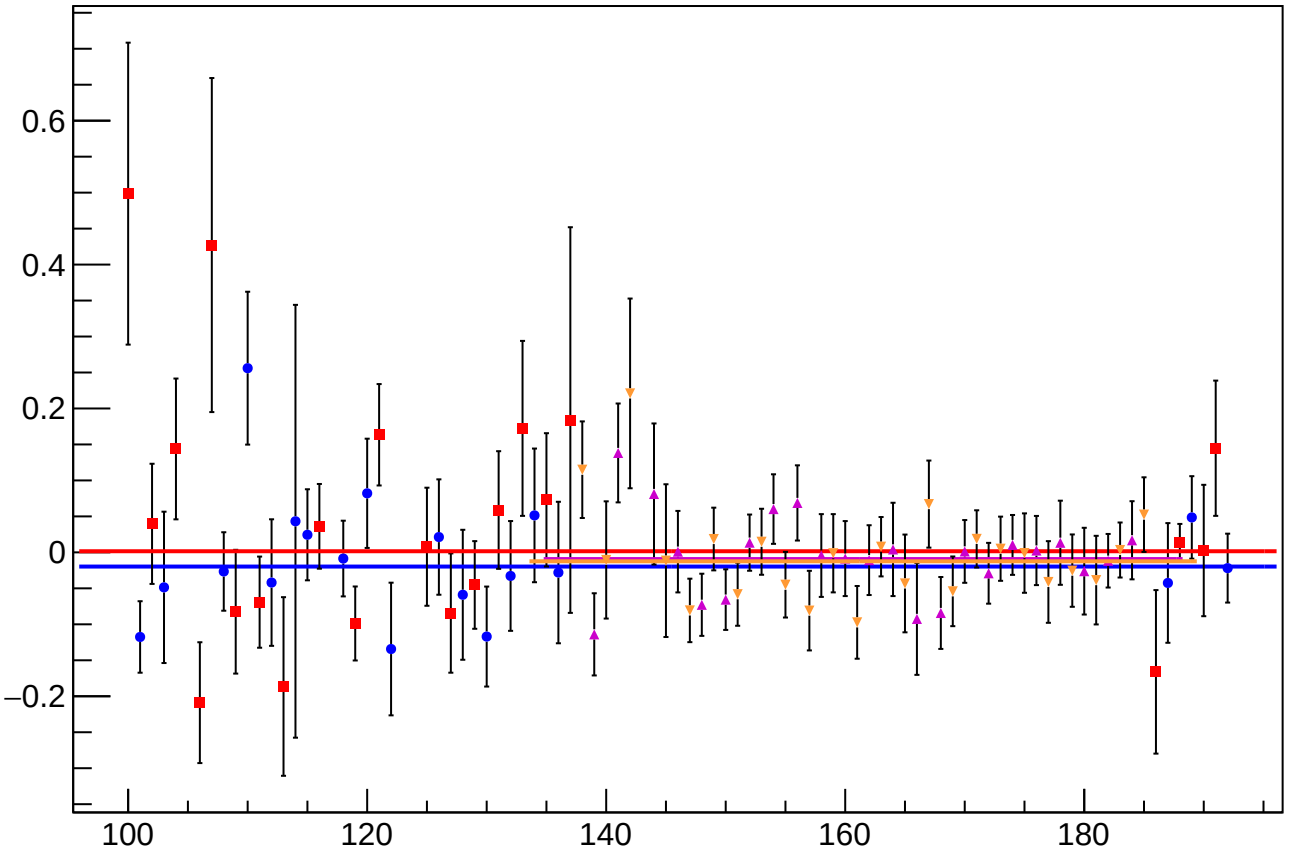
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 4340679.7/40

In: 0.000+/-0.000 χ^2/NDF:7482629.6/41

Out: 0.000+/-0.000 χ^2/NDF:6605574.6/45

All: 0.000+/-0.000 χ^2/NDF: 14089535.6/87



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: 0.002+/-0.015 χ^2/NDF: 41.4/21

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

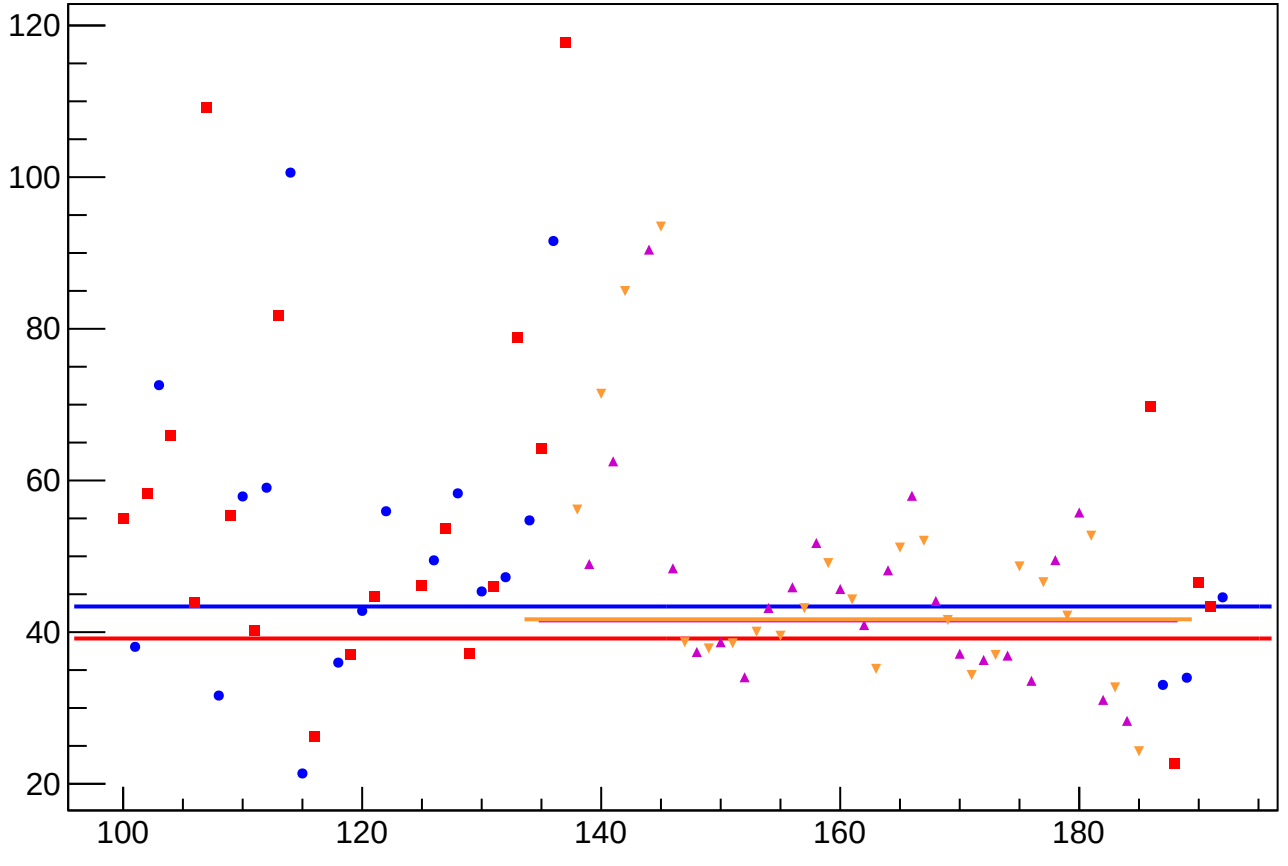
Right: -0.008+/-0.011 χ^2/NDF: 61.5/40

In: -0.012+/-0.009 χ^2/NDF:41.4/41

Out: -0.008+/-0.009 χ^2/NDF:63.9/45

All: -0.010+/-0.006 χ^2/NDF: 105.5/87

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: 39.164+/-0.011 χ^2/NDF: 2439039.5/21

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

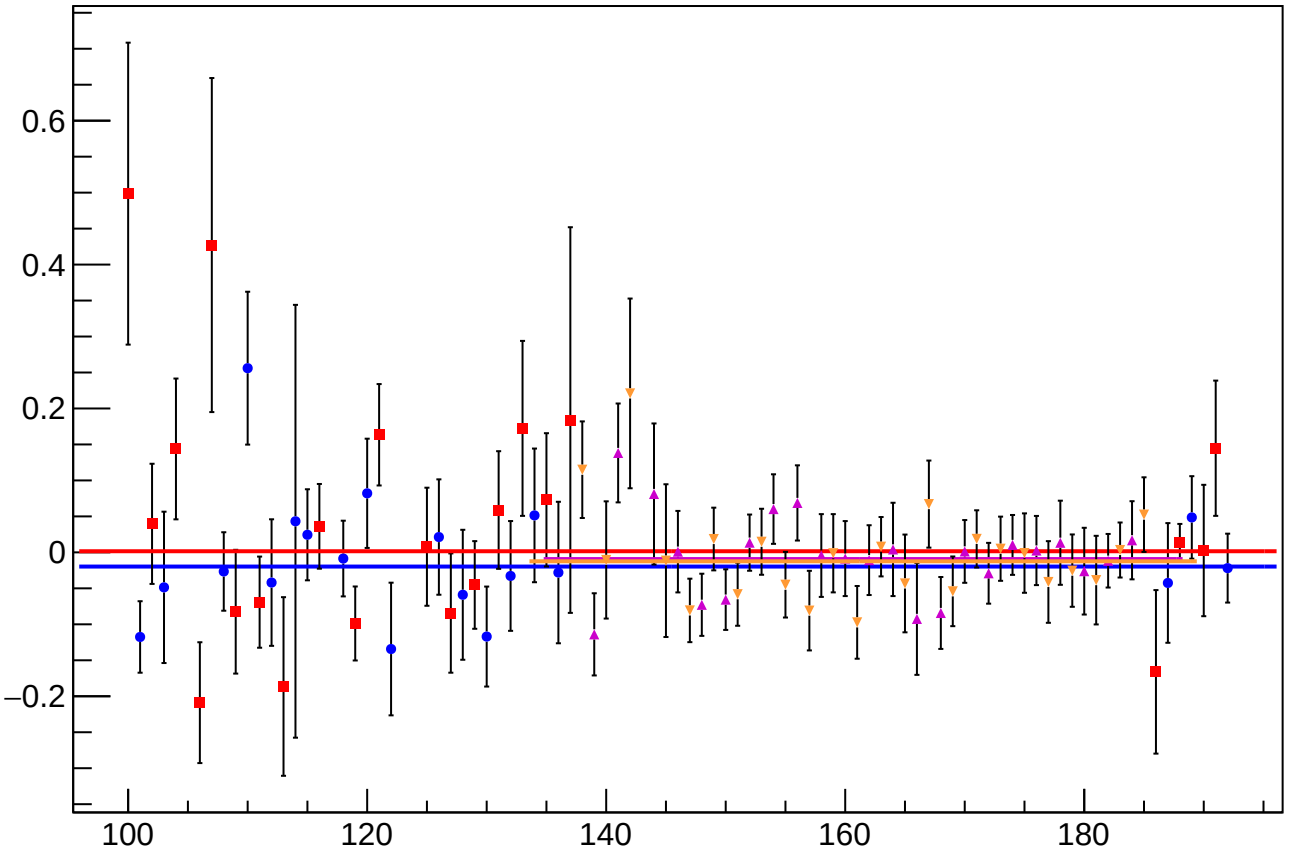
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 41.096+/-0.008 χ^2/NDF: 3941772.4/40

In: 42.083+/-0.006 χ^2/NDF:3061532.6/41

Out: 40.867+/-0.006 χ^2/NDF:4298869.0/45

All: 41.459+/-0.004 χ^2/NDF: 7379852.2/87



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: 0.002+/-0.015 χ^2/NDF: 41.4/21

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

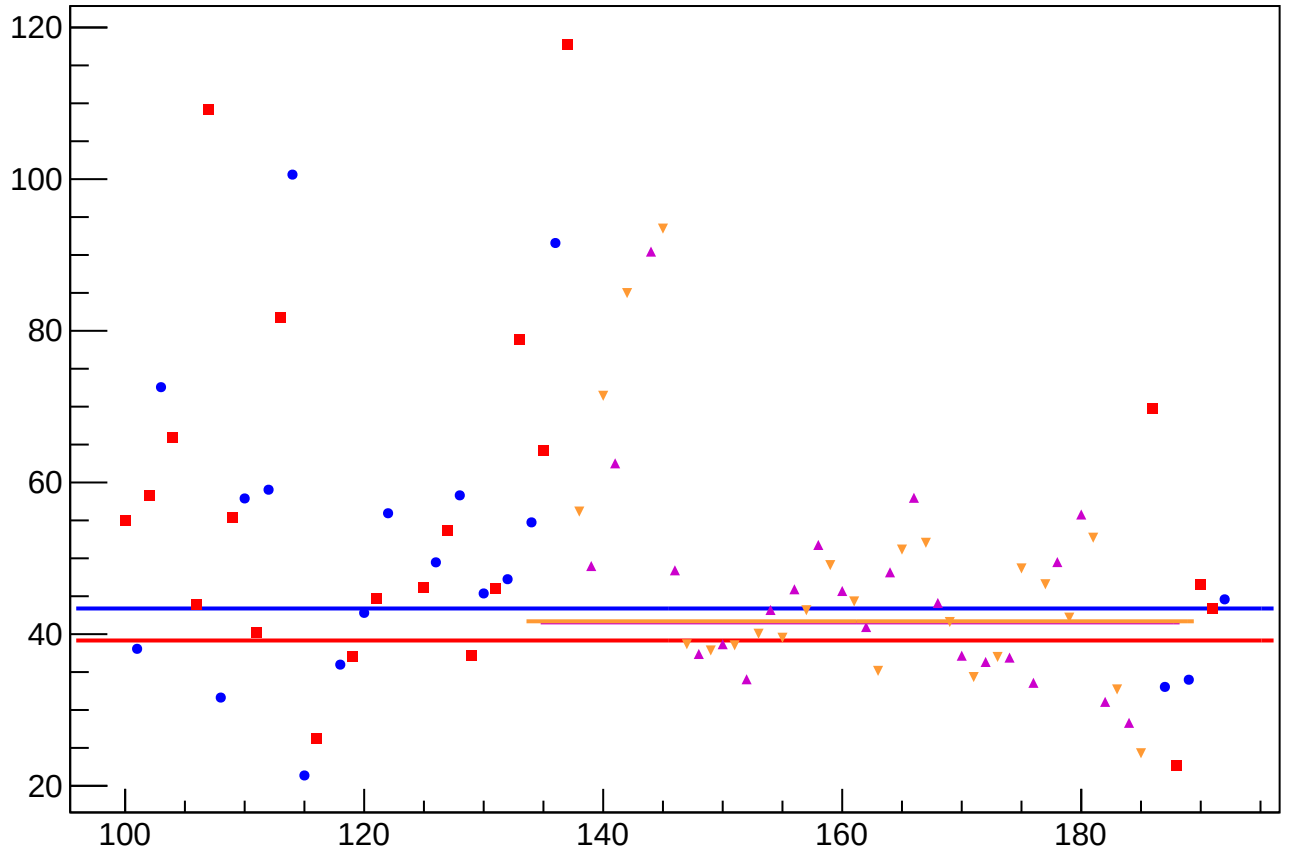
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.008+/-0.011 χ^2/NDF: 61.5/40

In: -0.012+/-0.009 χ^2/NDF:41.4/41

Out: -0.008+/-0.009 χ^2/NDF:63.9/45

All: -0.010+/-0.006 χ^2/NDF: 105.5/87



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: 39.164+/-0.011 χ^2/NDF: 2439039.5/21

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

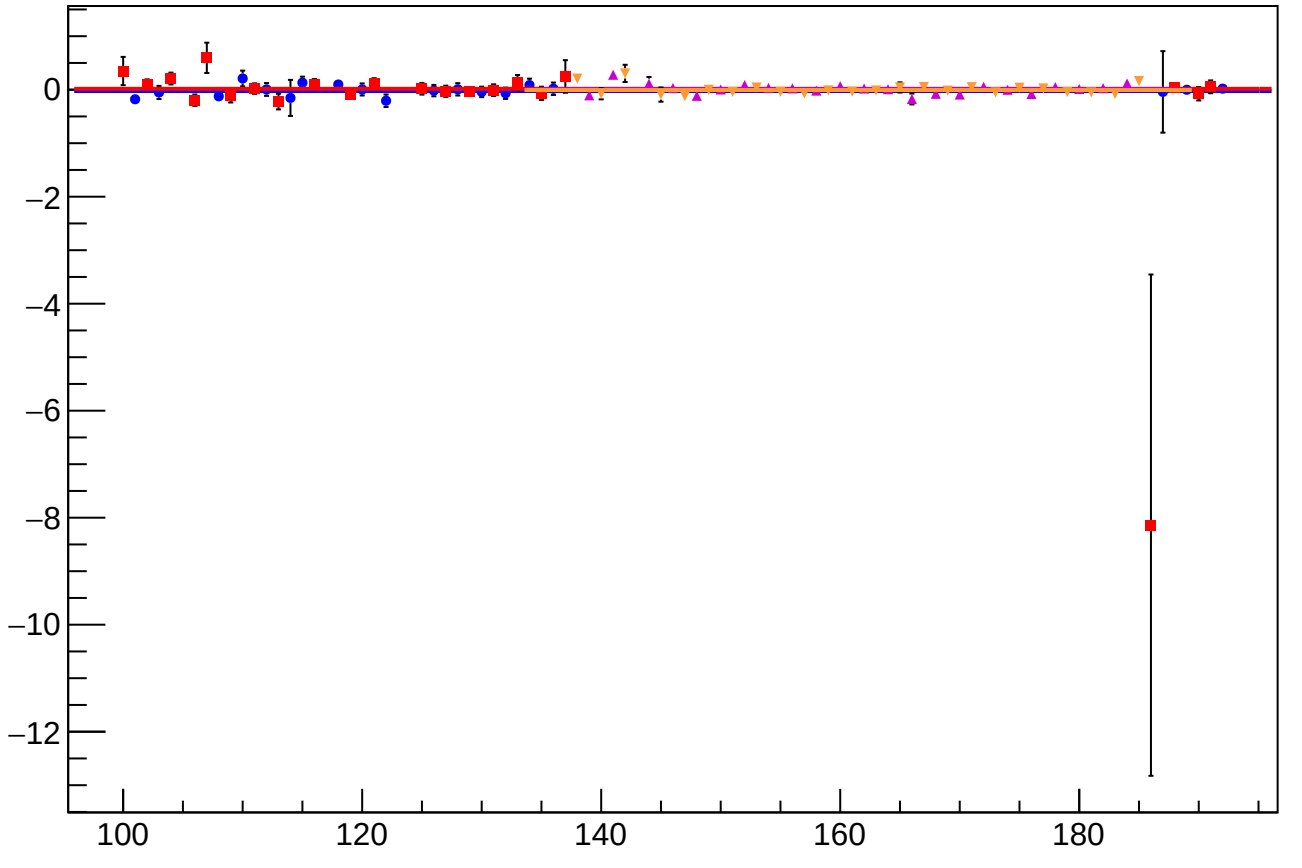
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 41.096+/-0.008 χ^2/NDF: 3941772.4/40

In: 42.083+/-0.006 χ^2/NDF:3061532.6/41

Out: 40.867+/-0.006 χ^2/NDF:4298869.0/45

All: 41.459+/-0.004 χ^2/NDF: 7379852.2/87



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: 0.016+/-0.023 χ^2/NDF: 26.7/21

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

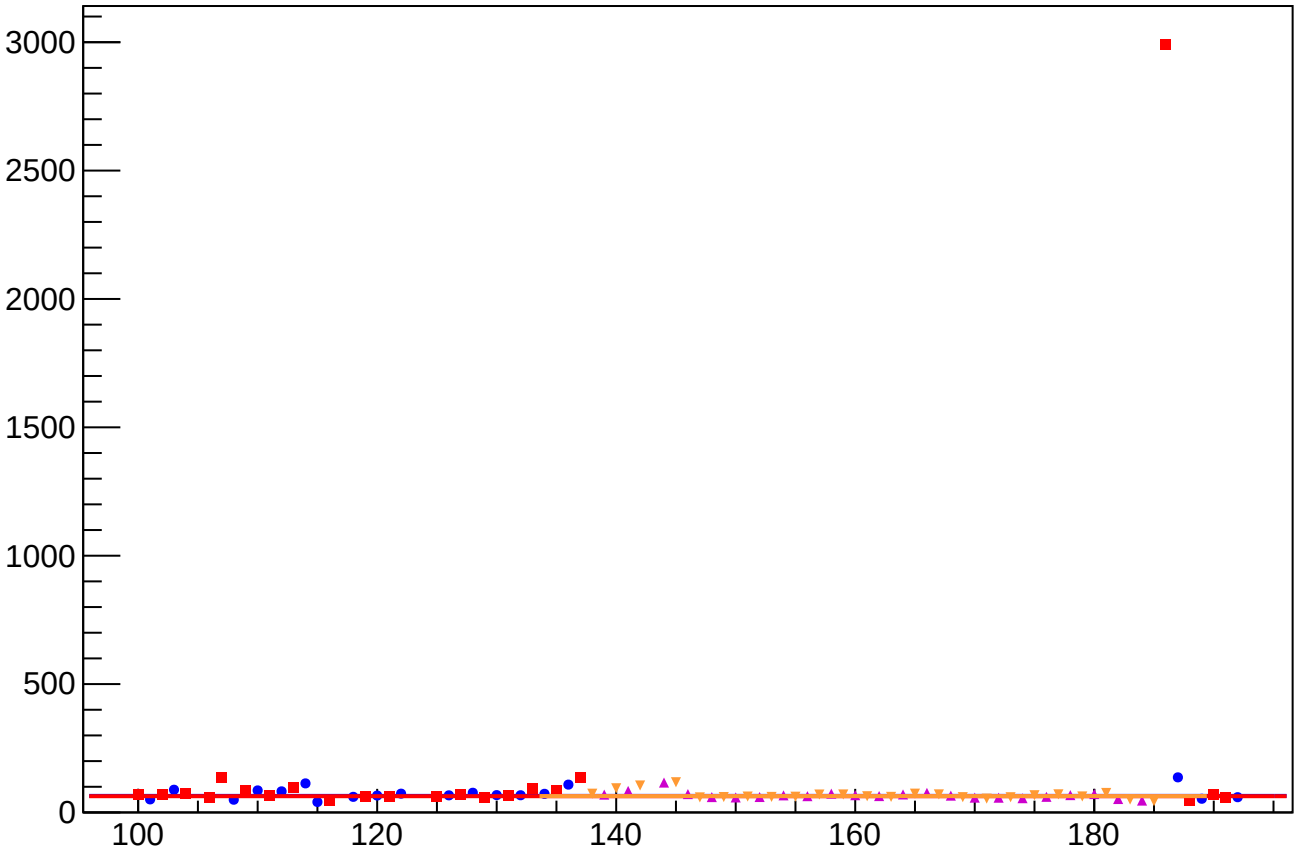
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: -0.004+/-0.016 χ^2/NDF: 46.4/40

In: -0.002+/-0.013 χ^2/NDF:47.7/41

Out: 0.000+/-0.013 χ^2/NDF:51.0/45

All: -0.001+/-0.009 χ^2/NDF: 98.7/87



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: 63.267+/-0.016 χ^2/NDF: 1742602.8/21

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

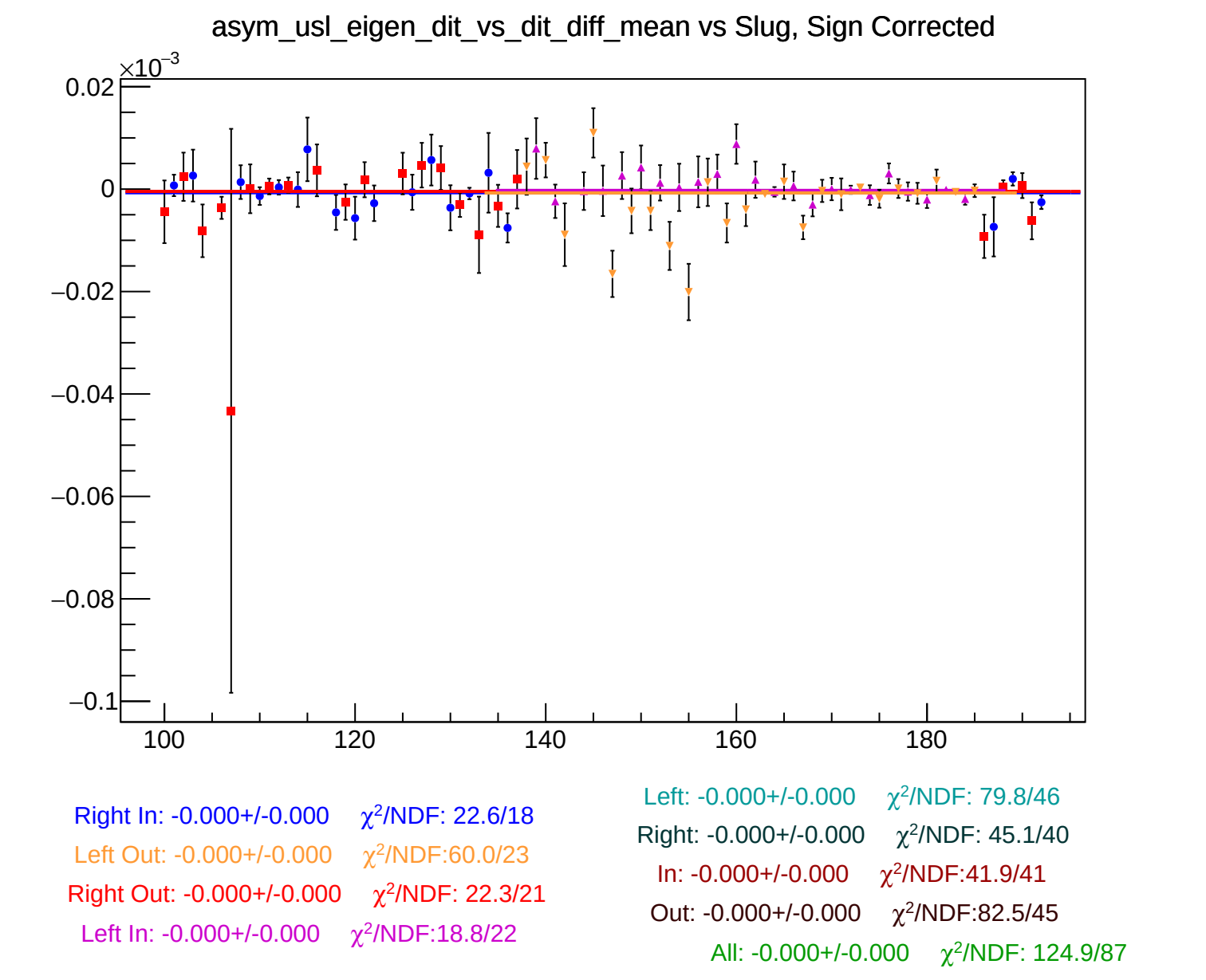
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

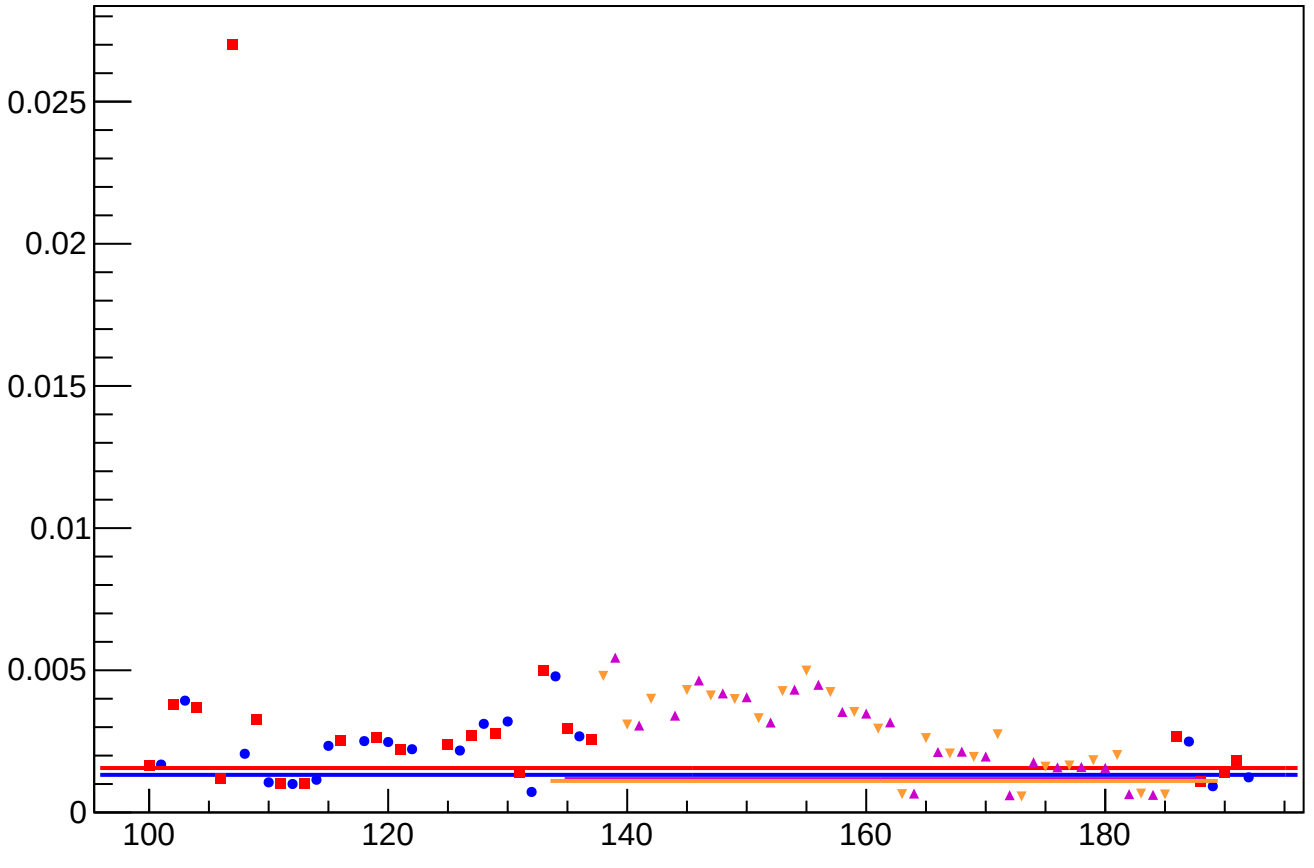
Right: 63.889+/-0.012 χ^2/NDF: 2591064.4/40

In: 64.189+/-0.009 χ^2/NDF:1684866.5/41

Out: 63.619+/-0.009 χ^2/NDF:2822115.7/45

All: 63.901+/-0.006 χ^2/NDF: 4508955.6/87


asym_usl_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
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: 22.6/18
Left Out: -0.000+/-0.000 χ²/NDF:60.0/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/21
Left In: -0.000+/-0.000 χ²/NDF:18.8/22
Left: -0.000+/-0.000 χ²/NDF: 79.8/46
Right: -0.000+/-0.000 χ²/NDF: 45.1/40
In: -0.000+/-0.000 χ²/NDF:41.9/41
Out: -0.000+/-0.000 χ²/NDF:82.5/45
All: -0.000+/-0.000 χ²/NDF: 124.9/87



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: 3914271.0/21

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

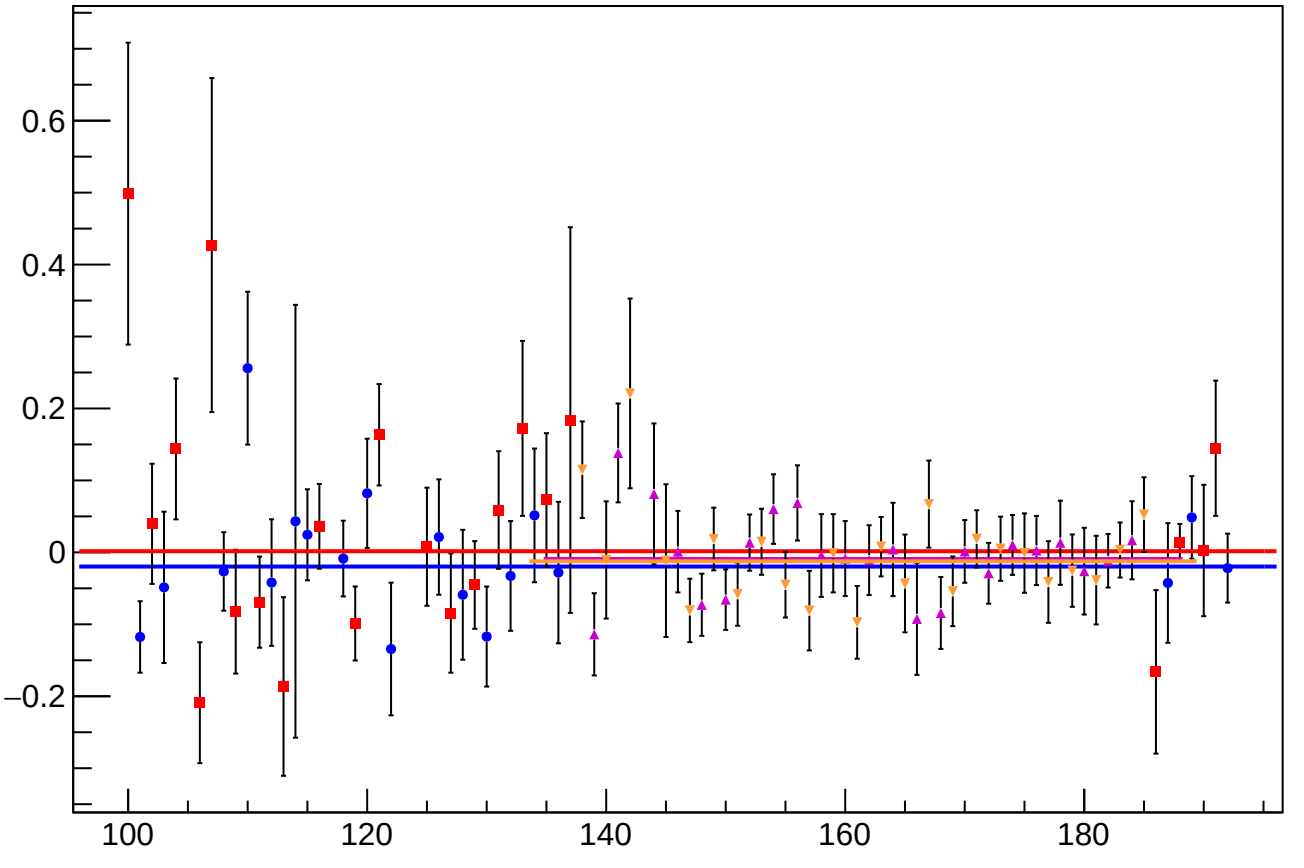
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 7972722.1/40

In: 0.001+/-0.000 χ^2/NDF:18240058.3/41

Out: 0.001+/-0.000 χ^2/NDF:19938446.5/45

All: 0.001+/-0.000 χ^2/NDF: 38178518.0/87



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: 0.002+/-0.015 χ^2/NDF: 41.4/21

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

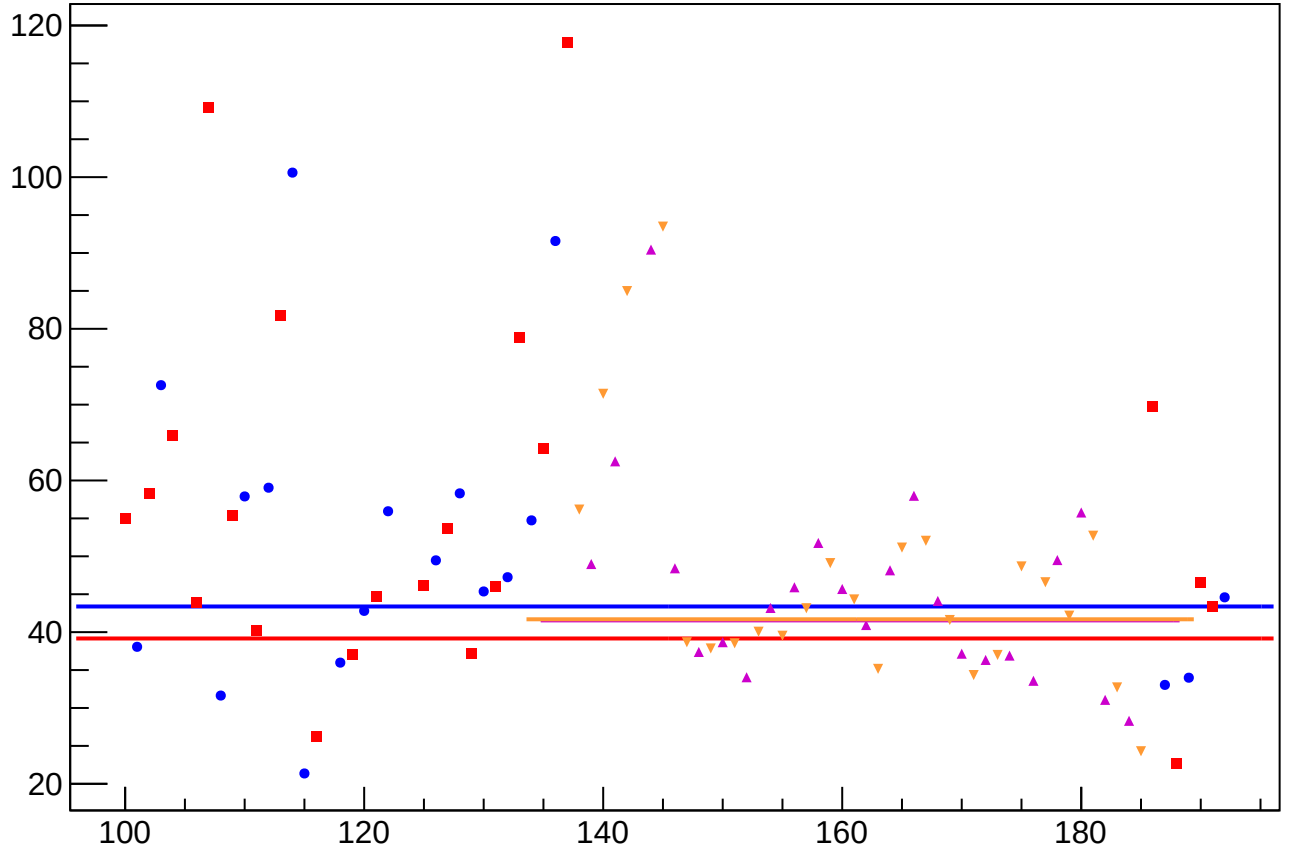
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.008+/-0.011 χ^2/NDF: 61.5/40

In: -0.012+/-0.009 χ^2/NDF:41.4/41

Out: -0.008+/-0.009 χ^2/NDF:63.9/45

All: -0.010+/-0.006 χ^2/NDF: 105.5/87



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: 39.165+/-0.011 χ^2/NDF: 2438858.6/21

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

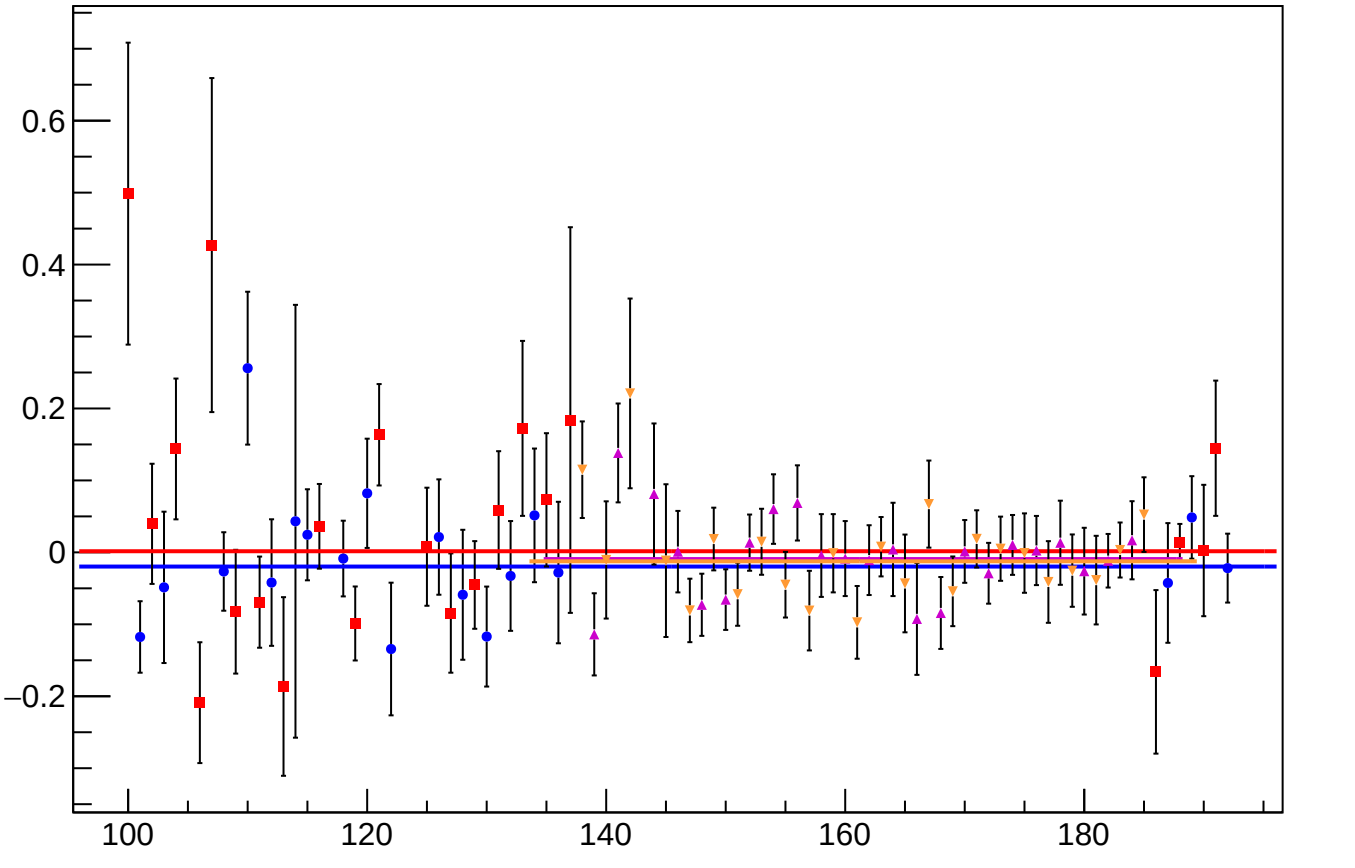
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 41.095+/-0.008 χ^2/NDF: 3941608.6/40

In: 42.083+/-0.006 χ^2/NDF:3061523.7/41

Out: 40.867+/-0.006 χ^2/NDF:4298647.7/45

All: 41.460+/-0.004 χ^2/NDF: 7379617.2/87



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: 0.002+/-0.015 χ^2/NDF: 41.4/21

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

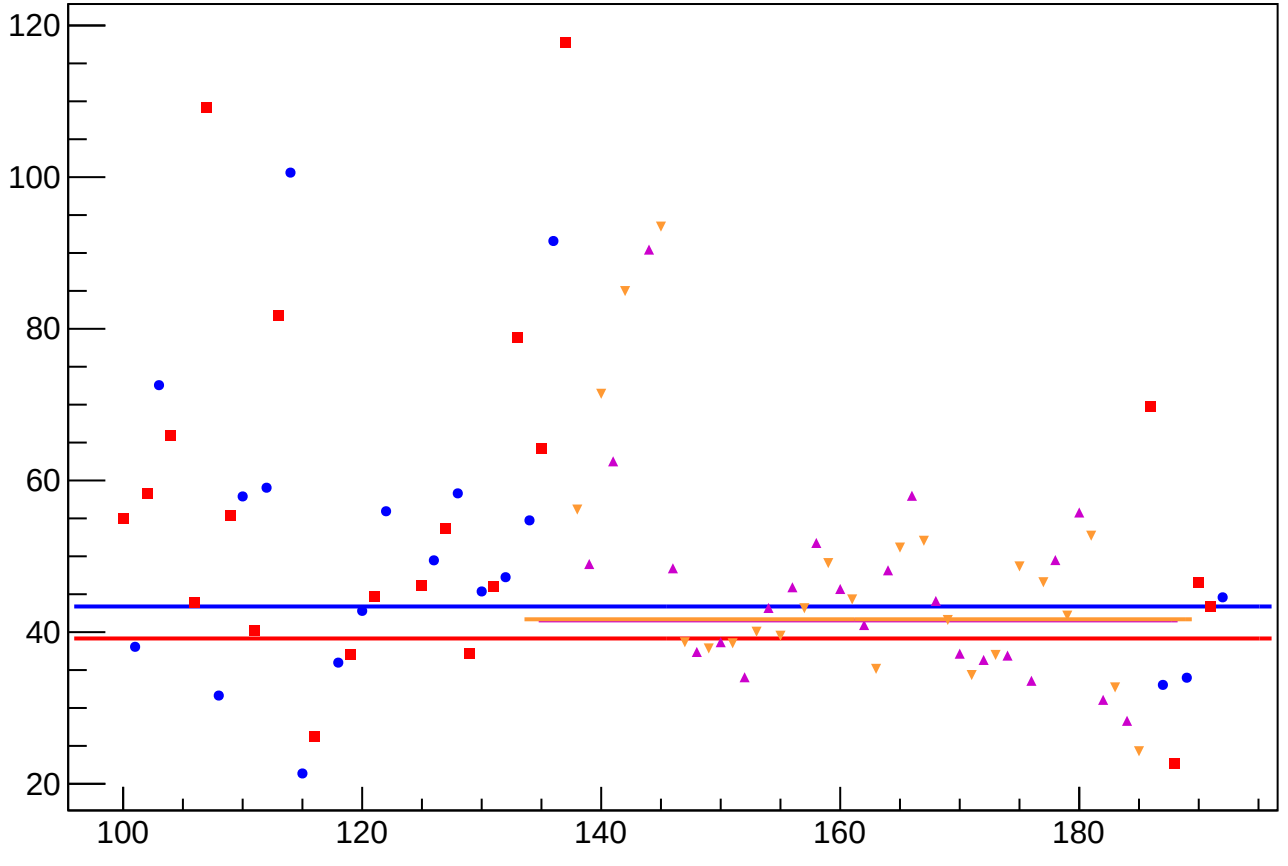
Right: -0.008+/-0.011 χ^2/NDF: 61.5/40

In: -0.012+/-0.009 χ^2/NDF:41.4/41

Out: -0.008+/-0.009 χ^2/NDF:63.9/45

All: -0.010+/-0.006 χ^2/NDF: 105.5/87

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: 39.165+/-0.011 χ^2/NDF: 2438858.6/21

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

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

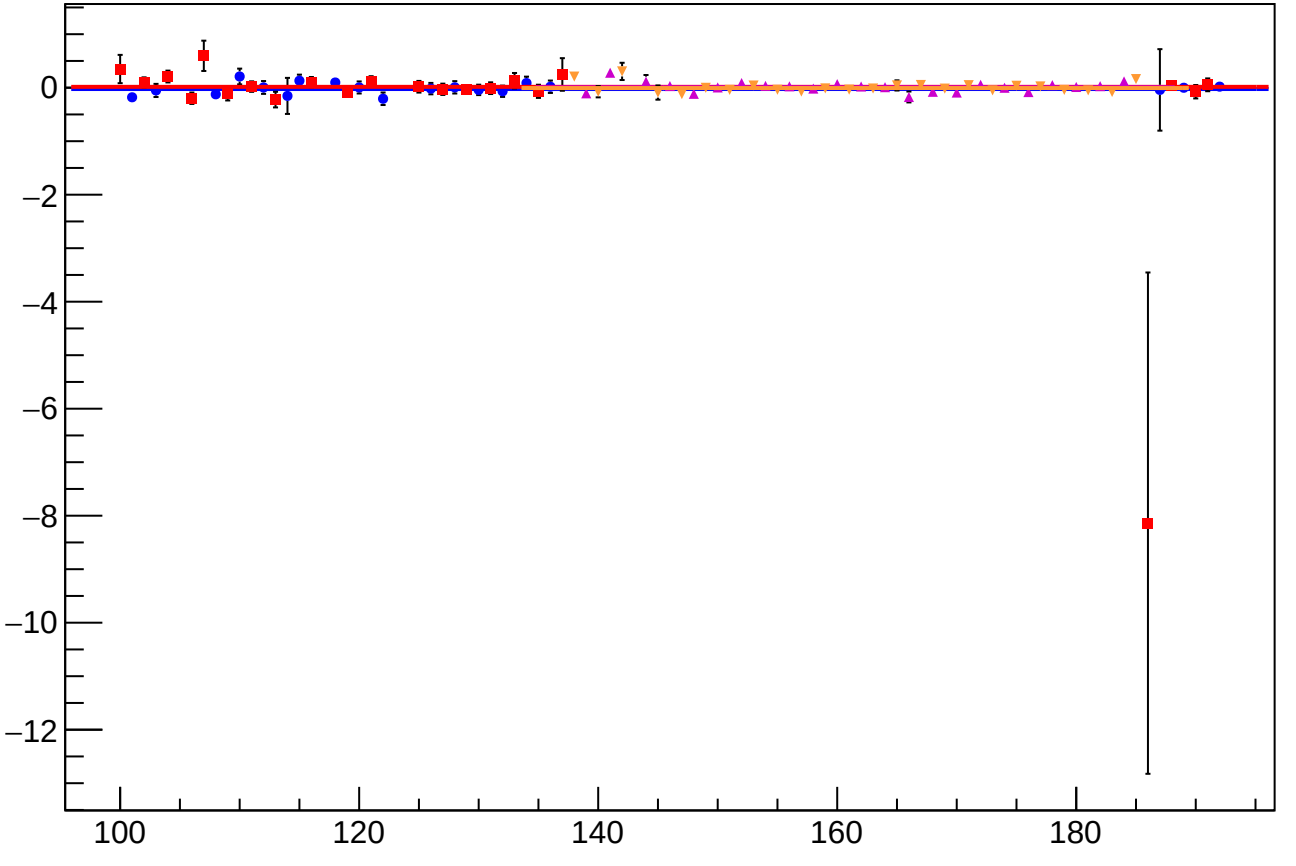
Right: 41.095+/-0.008 χ^2/NDF: 3941608.6/40

In: 42.083+/-0.006 χ^2/NDF:3061523.7/41

Out: 40.867+/-0.006 χ^2/NDF:4298647.7/45

All: 41.460+/-0.004 χ^2/NDF: 7379617.2/87

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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: 0.016+/-0.023 χ^2/NDF: 26.7/21

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

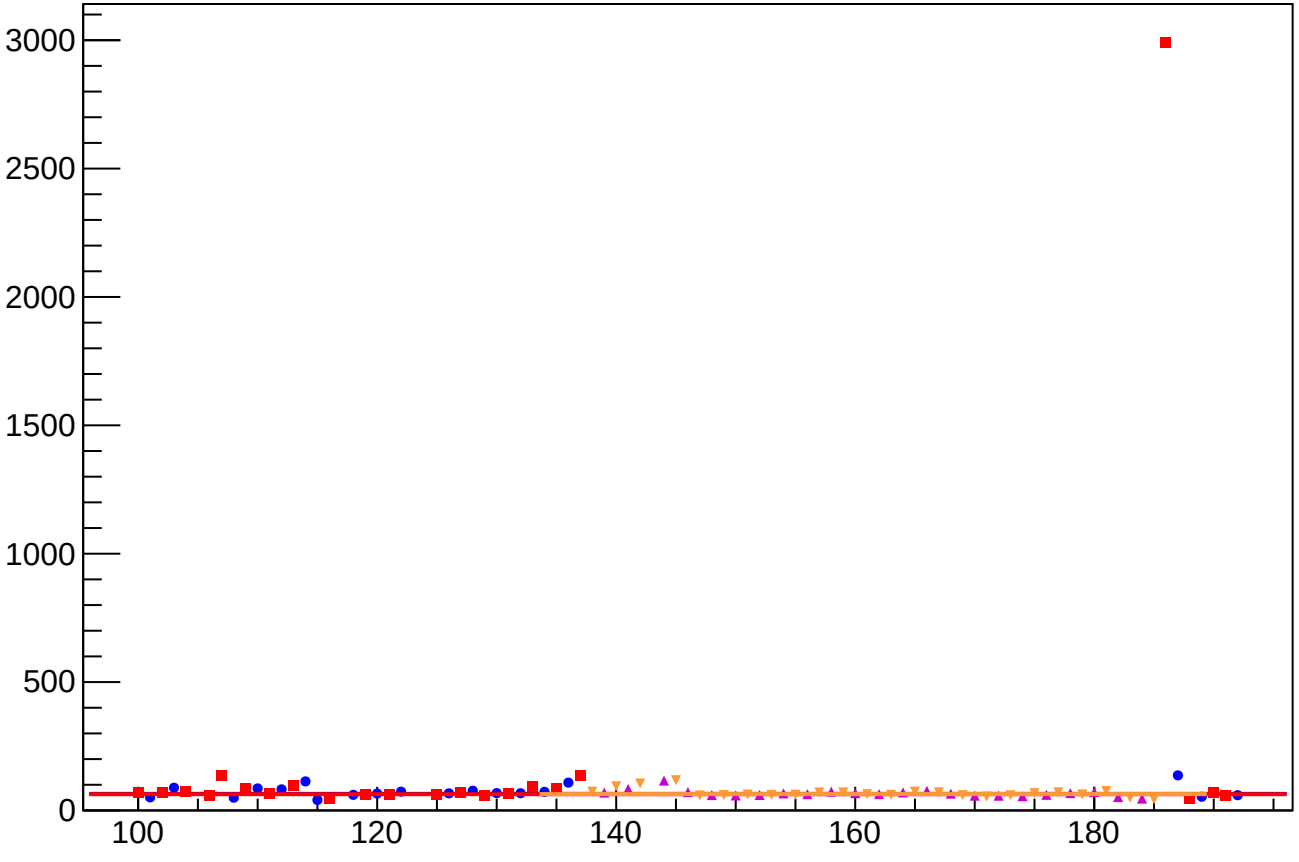
Right: -0.004+/-0.016 χ^2/NDF: 46.4/40

In: -0.002+/-0.013 χ^2/NDF:47.7/41

Out: 0.000+/-0.013 χ^2/NDF:51.0/45

All: -0.001+/-0.009 χ^2/NDF: 98.7/87

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: 63.266+/-0.016 χ^2/NDF: 1742570.0/21

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

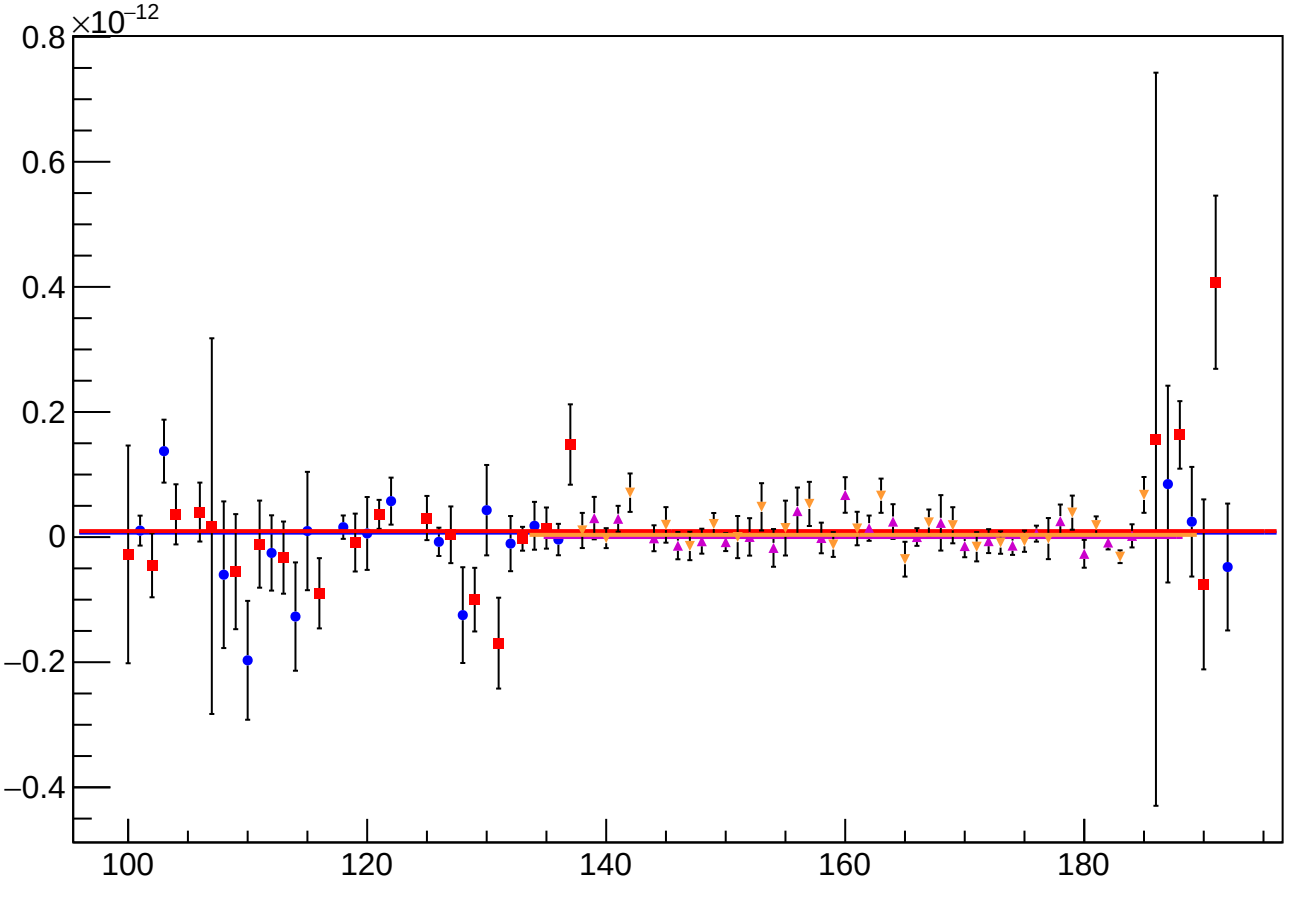
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 63.889+/-0.012 χ^2/NDF: 2591033.4/40

In: 64.189+/-0.009 χ^2/NDF:1684862.0/41

Out: 63.619+/-0.009 χ^2/NDF:2822071.6/45

All: 63.901+/-0.006 χ^2/NDF: 4508907.5/87



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: 40.7/21

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

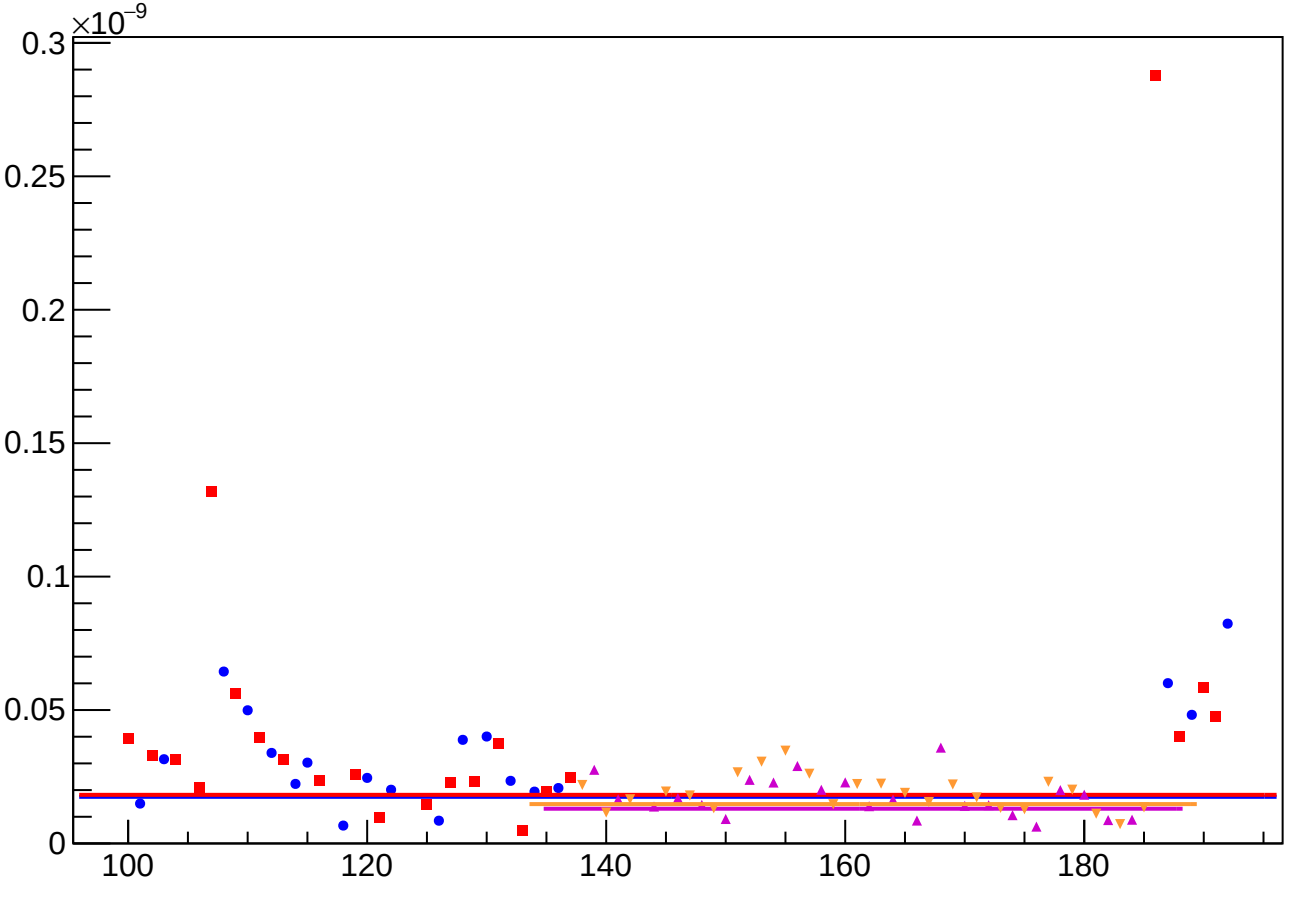
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 61.7/40

In: 0.000+/-0.000 χ^2/NDF:38.6/41

Out: 0.000+/-0.000 χ^2/NDF:81.6/45

All: 0.000+/-0.000 χ^2/NDF: 120.6/87



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: 3830388.6/21

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

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

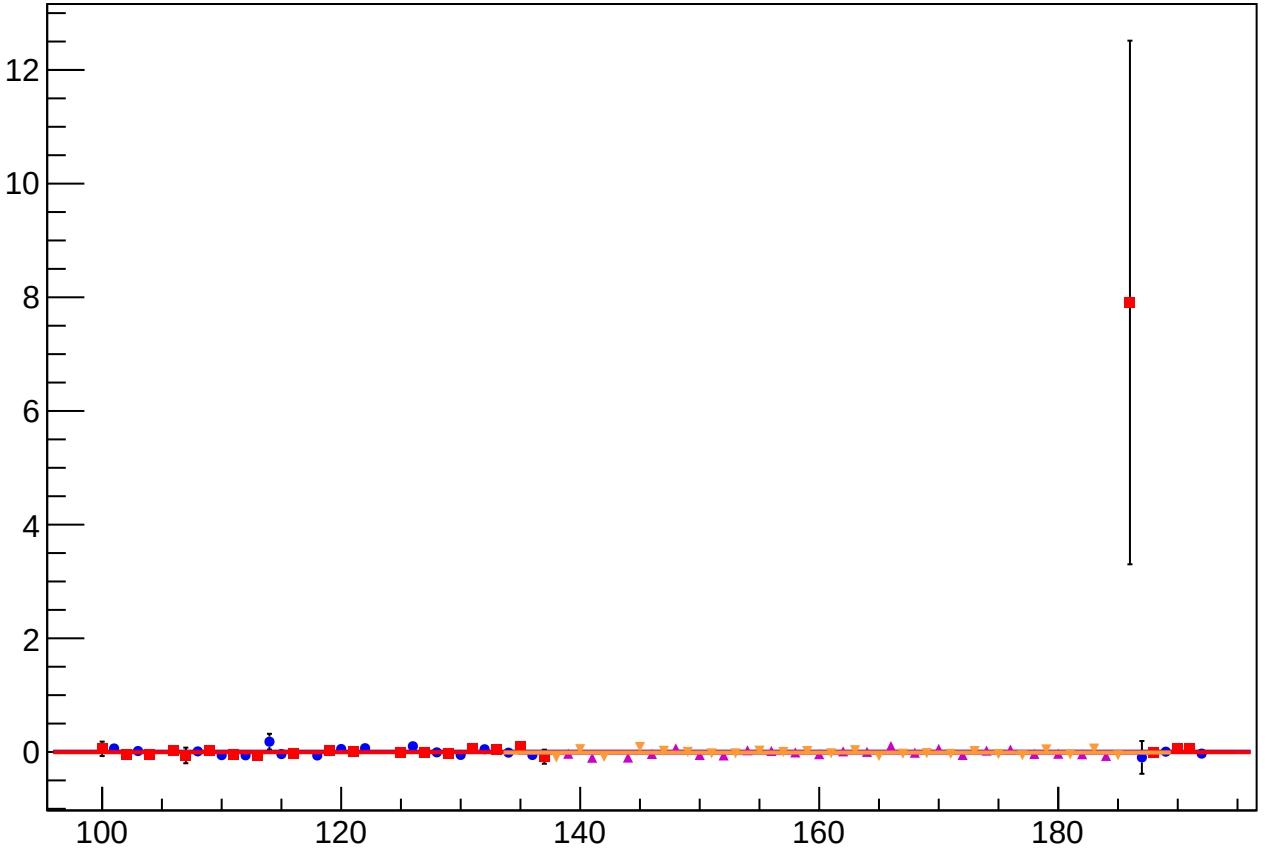
Right: 0.000+/-0.000 χ^2/NDF: 7418136.7/40

In: 0.000+/-0.000 χ^2/NDF:7909689.5/41

Out: 0.000+/-0.000 χ^2/NDF:7577551.6/45

All: 0.000+/-0.000 χ^2/NDF: 15659647.7/87

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+/-0.012 χ^2/NDF: 15.5/21

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

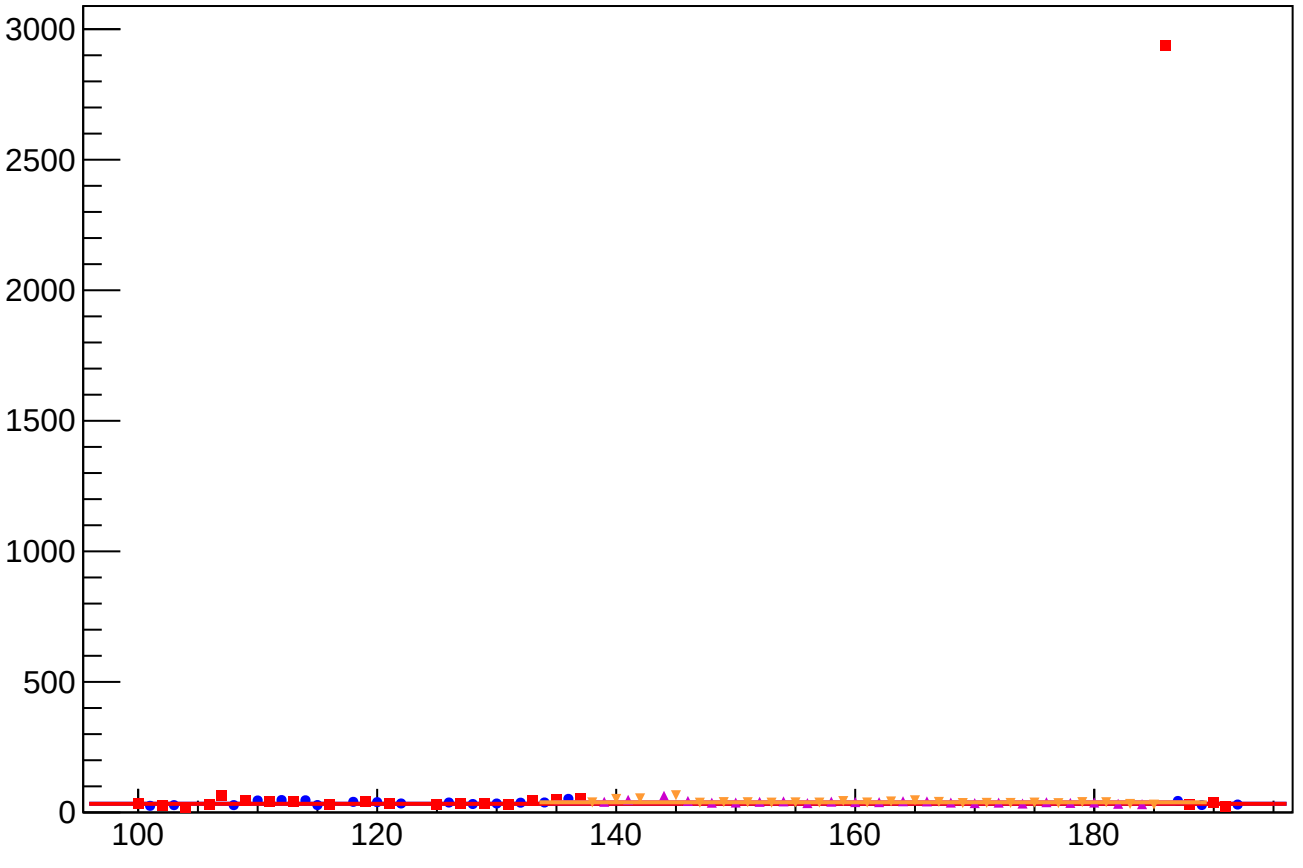
Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

Right: 0.001+/-0.009 χ^2/NDF: 32.0/40

In: -0.005+/-0.007 χ^2/NDF:40.6/41

Out: -0.007+/-0.007 χ^2/NDF:35.1/45

All: -0.006+/-0.005 χ^2/NDF: 75.8/87



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: 33.080+/-0.008 χ^2/NDF: 1781677.8/21

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

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

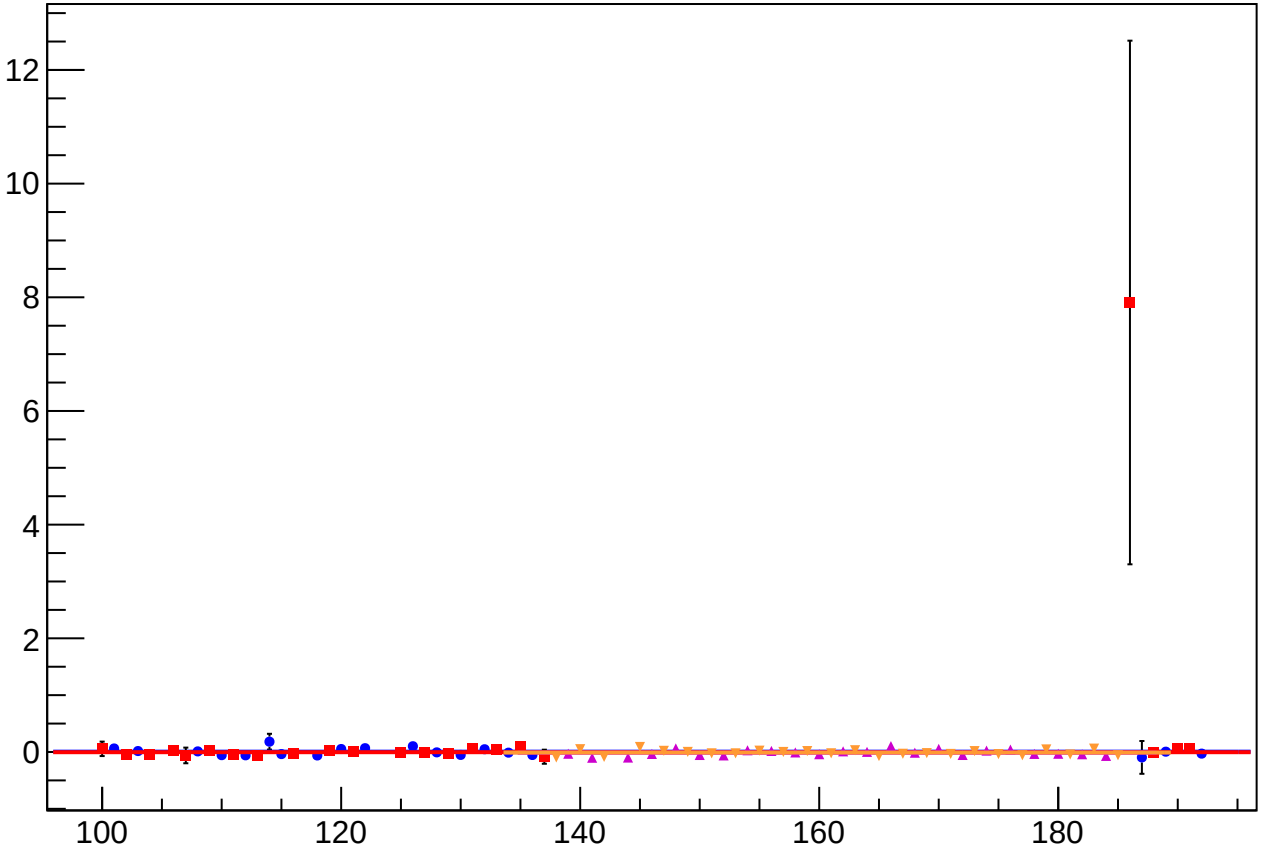
Right: 33.196+/-0.006 χ^2/NDF: 2469870.9/40

In: 36.920+/-0.005 χ^2/NDF:1499470.7/41

Out: 36.710+/-0.005 χ^2/NDF:2703891.7/45

All: 36.814+/-0.004 χ^2/NDF: 4204159.3/87

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+/-0.012 χ^2/NDF: 15.5/21

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

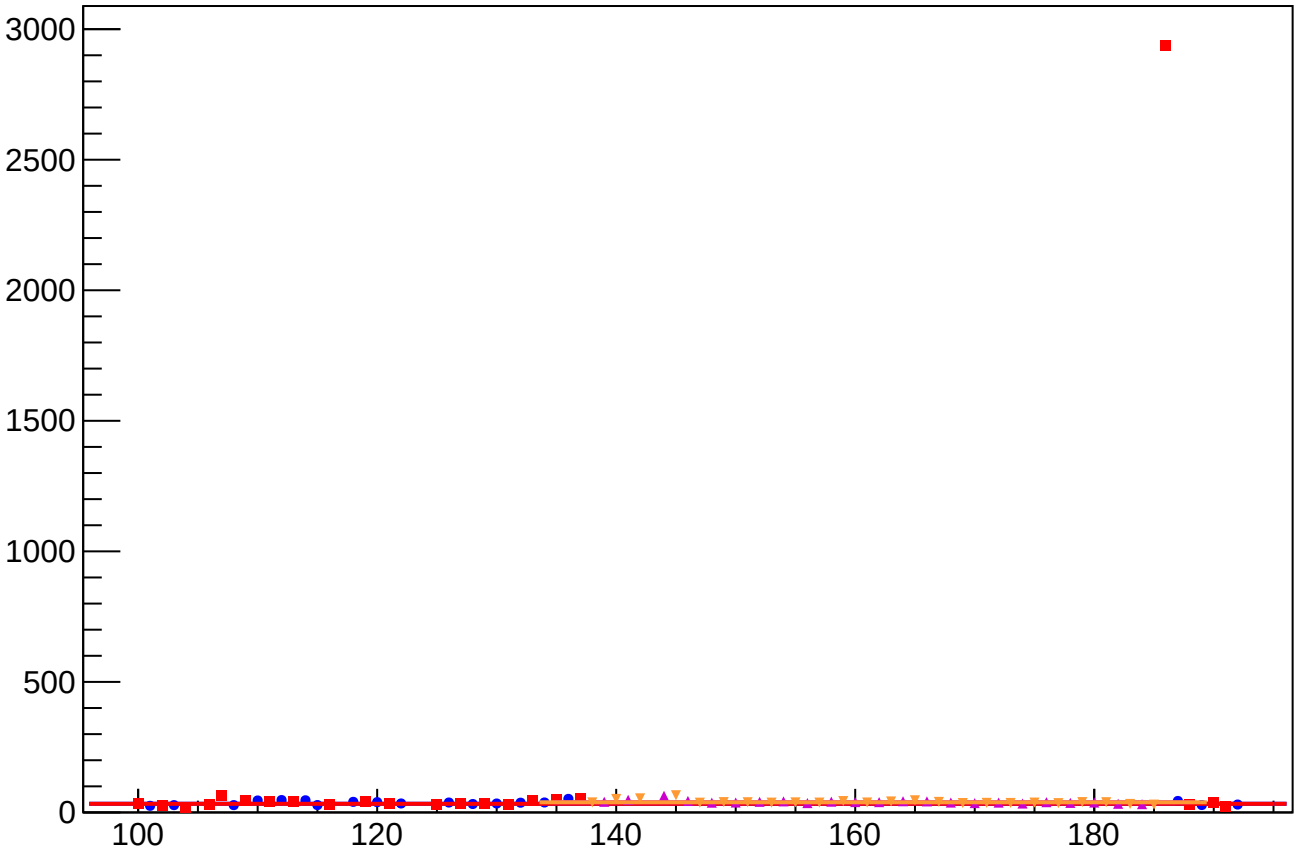
Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

Right: 0.001+/-0.009 χ^2/NDF: 32.0/40

In: -0.005+/-0.007 χ^2/NDF:40.6/41

Out: -0.007+/-0.007 χ^2/NDF:35.1/45

All: -0.006+/-0.005 χ^2/NDF: 75.8/87



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: 33.080+/-0.008 χ^2/NDF: 1781677.8/21

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

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

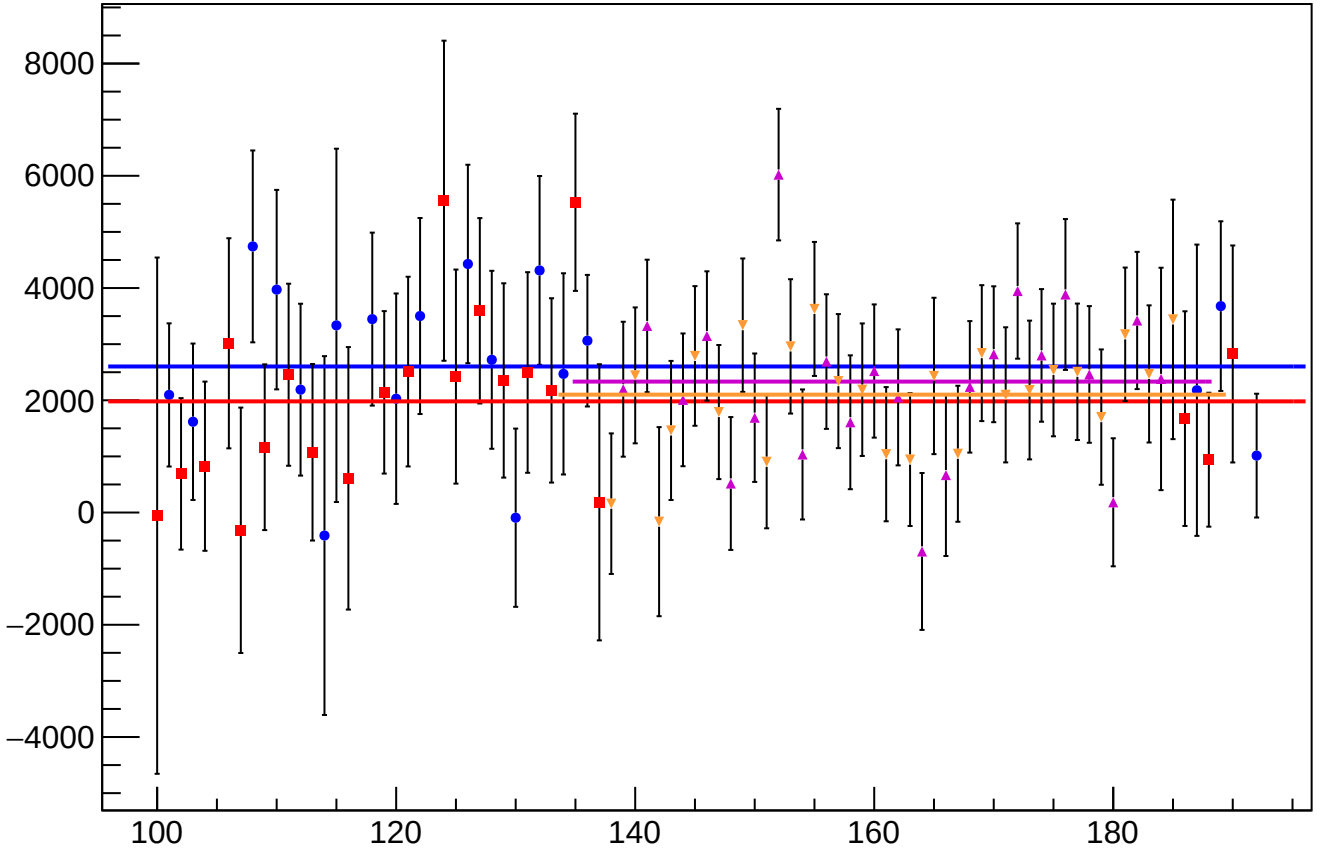
Right: 33.196+/-0.006 χ^2/NDF: 2469870.9/40

In: 36.920+/-0.005 χ^2/NDF:1499470.7/41

Out: 36.710+/-0.005 χ^2/NDF:2703891.7/45

All: 36.814+/-0.004 χ^2/NDF: 4204159.3/87

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: 1980.641+/-368.202 χ^2/NDF: 13.6/21

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

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

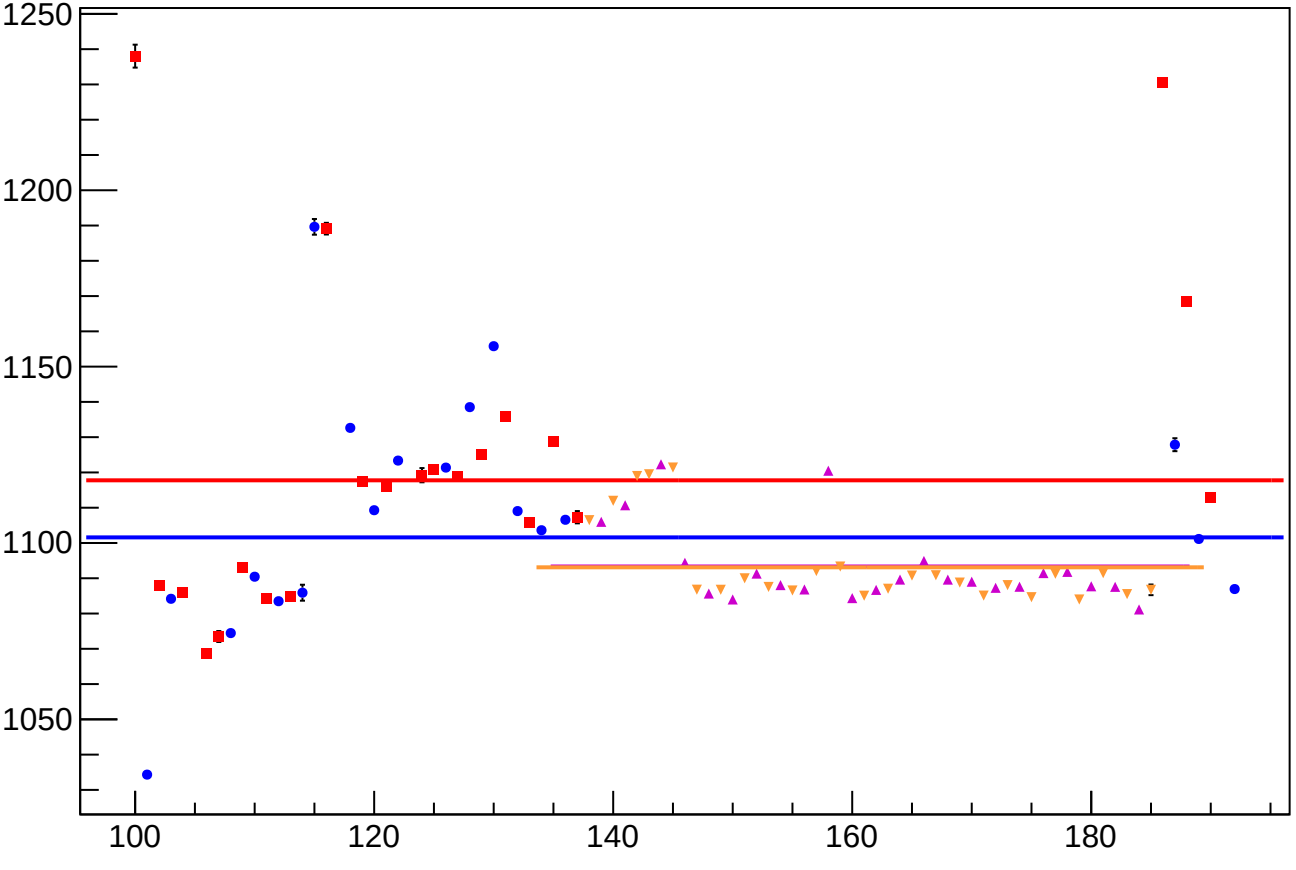
Right: 2291.187+/-260.484 χ^2/NDF: 27.2/40

In: 2420.294+/-209.859 χ^2/NDF:42.1/41

Out: 2062.961+/-205.868 χ^2/NDF:27.5/46

All: 2238.197+/-146.961 χ^2/NDF: 71.0/88

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: 1117.766+/-0.260 χ^2/NDF: 20620.8/21

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

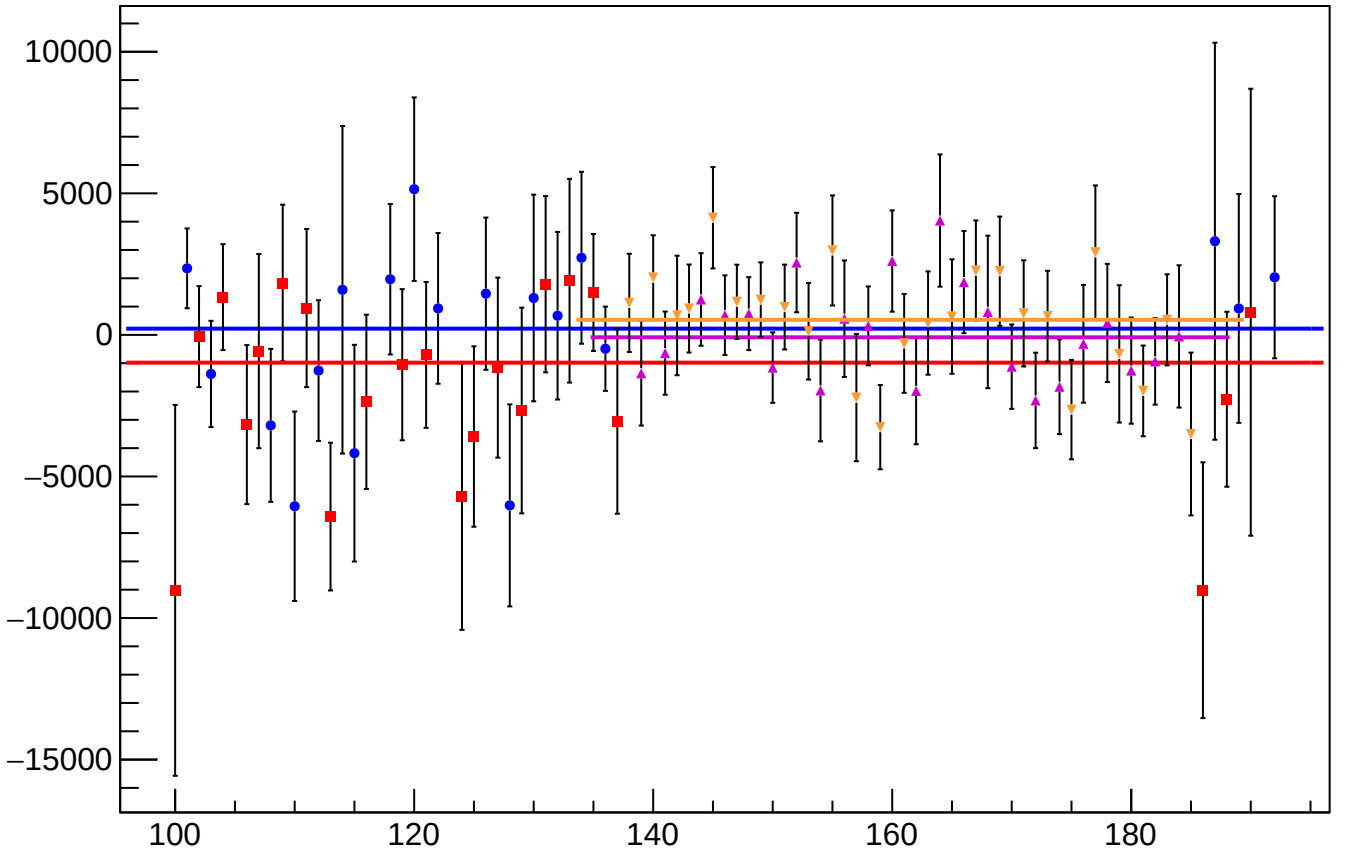
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1109.685+/-0.184 χ^2/NDF: 36354.4/40

In: 1096.013+/-0.148 χ^2/NDF:18207.8/41

Out: 1100.812+/-0.146 χ^2/NDF:30772.7/46

All: 1098.459+/-0.104 χ^2/NDF: 49513.6/88



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: -980.103+/-616.104 χ^2/NDF: 18.6/21

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

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

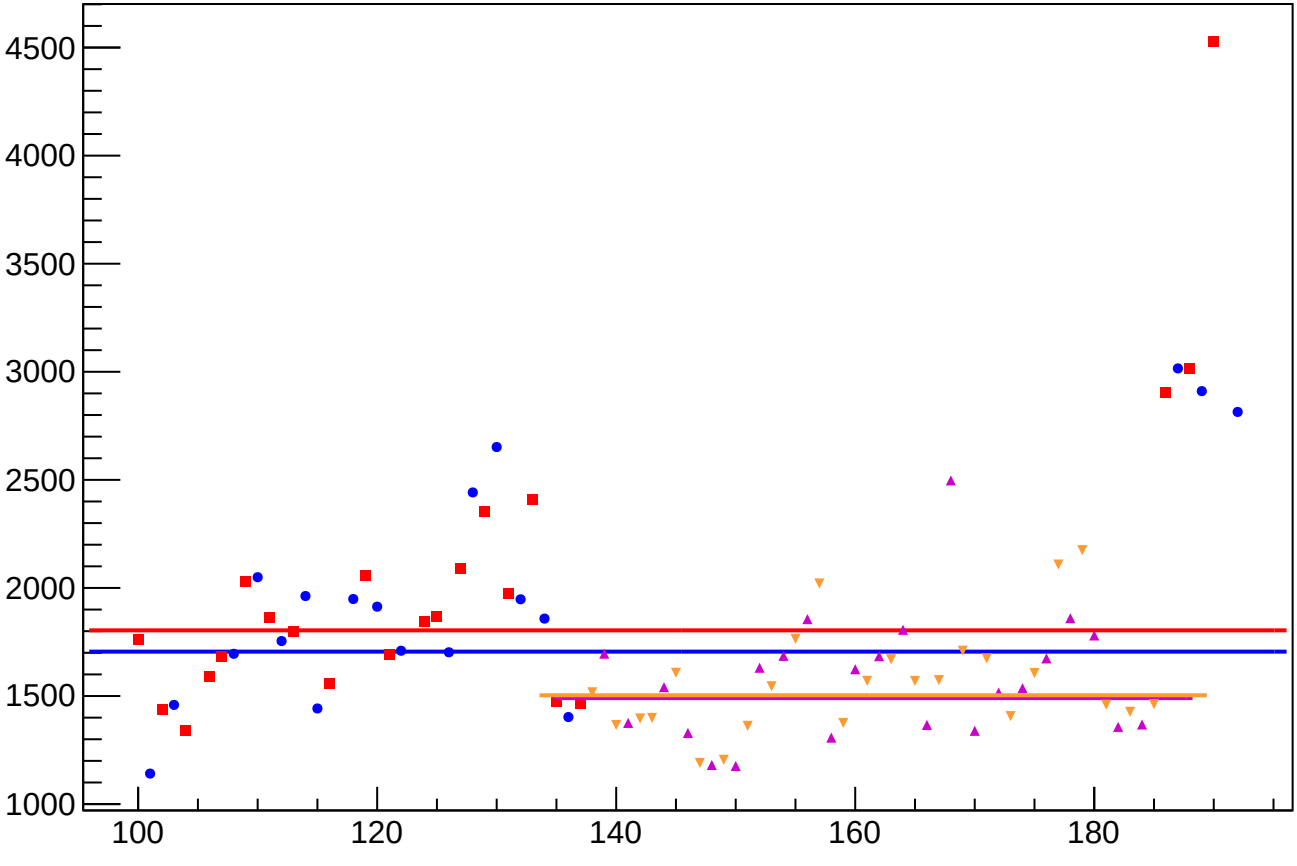
Right: -358.896+/-428.134 χ^2/NDF: 38.1/40

In: -5.286+/-304.235 χ^2/NDF:35.8/41

Out: 168.244+/-302.491 χ^2/NDF:49.6/46

All: 81.978+/-214.507 χ^2/NDF: 85.6/88

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: 1803.883+/-0.436 χ^2/NDF: 1133132.9/21

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

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

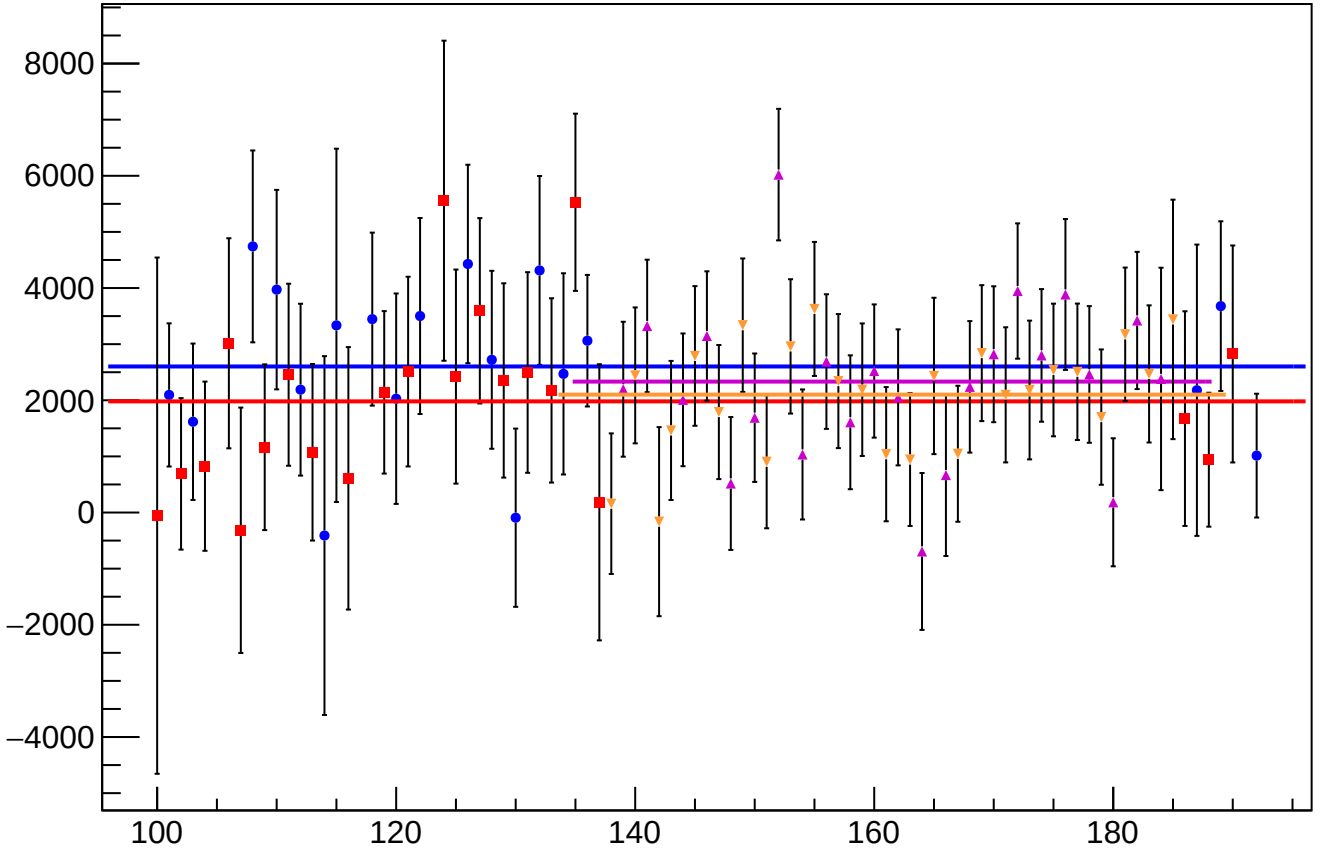
Right: 1752.950+/-0.303 χ^2/NDF: 2443478.2/40

In: 1546.474+/-0.215 χ^2/NDF:2444973.8/41

Out: 1575.861+/-0.214 χ^2/NDF:2293767.9/46

All: 1561.252+/-0.152 χ^2/NDF: 4748125.7/88

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: 1980.641+/-368.202 χ^2/NDF: 13.6/21

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

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

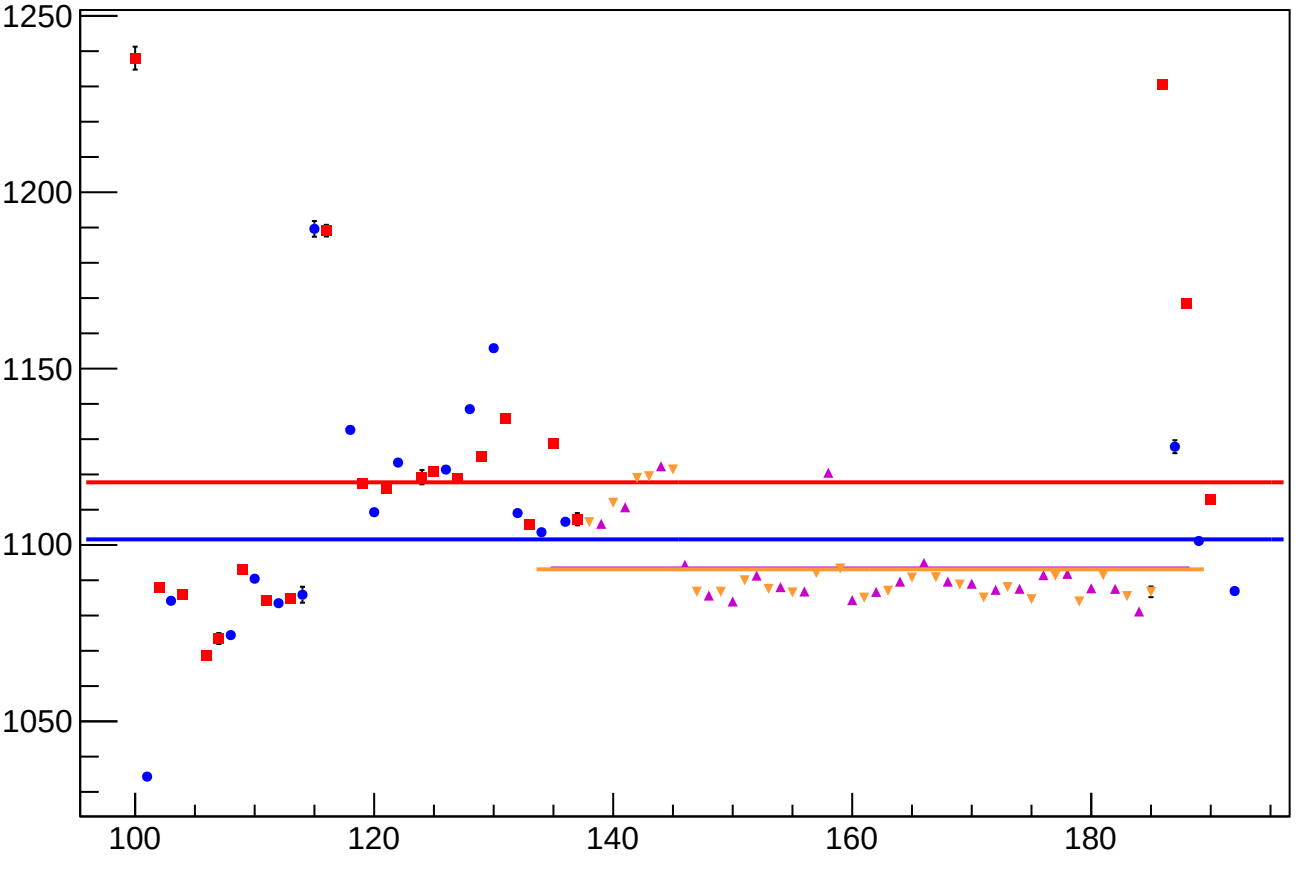
Right: 2291.187+/-260.484 χ^2/NDF: 27.2/40

In: 2420.294+/-209.859 χ^2/NDF:42.1/41

Out: 2062.961+/-205.868 χ^2/NDF:27.5/46

All: 2238.197+/-146.961 χ^2/NDF: 71.0/88

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: 1117.766+/-0.260 χ^2/NDF: 20620.8/21

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

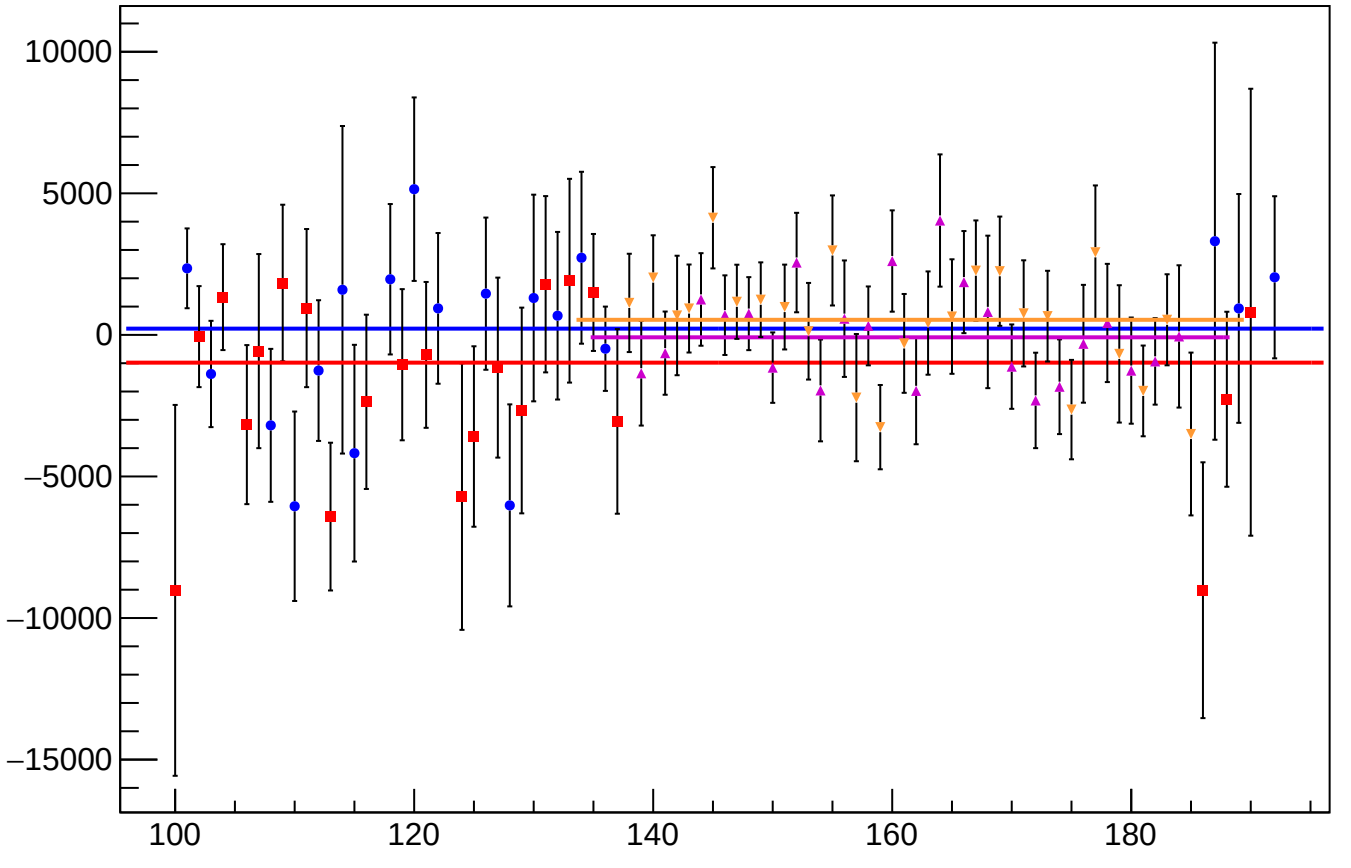
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1109.685+/-0.184 χ^2/NDF: 36354.4/40

In: 1096.013+/-0.148 χ^2/NDF:18207.8/41

Out: 1100.812+/-0.146 χ^2/NDF:30772.7/46

All: 1098.459+/-0.104 χ^2/NDF: 49513.6/88



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: -980.103+/-616.104 χ^2/NDF: 18.6/21

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

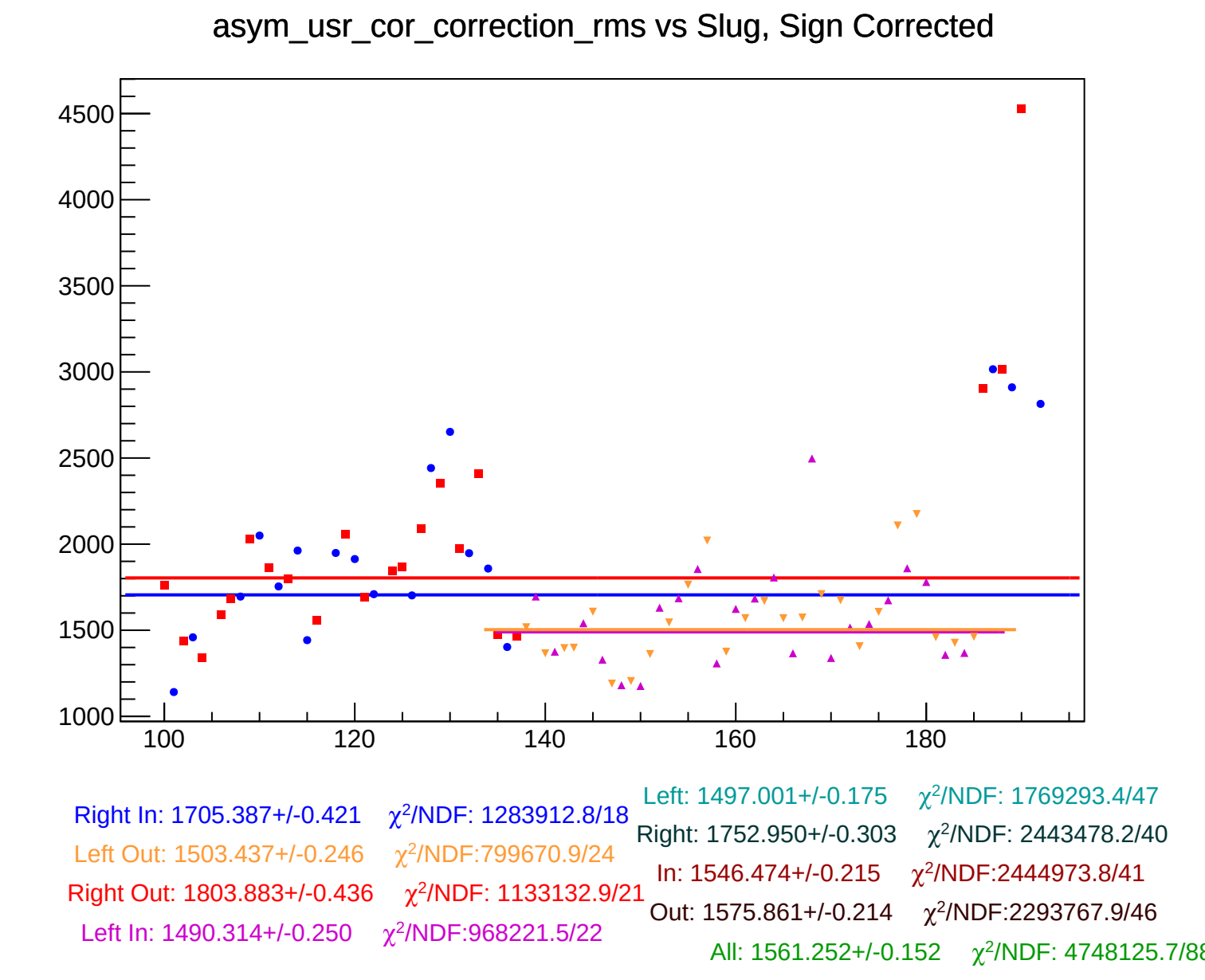
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

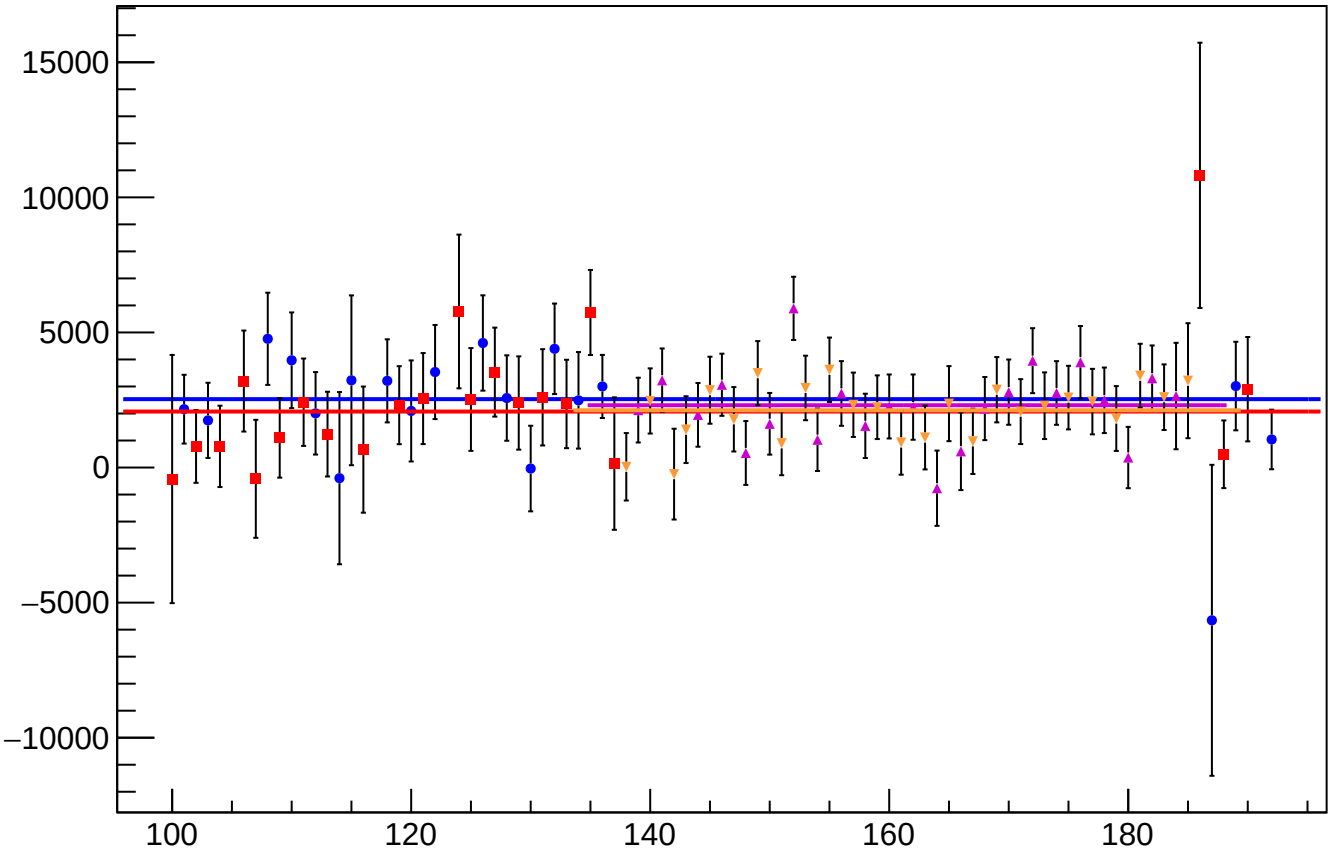
Right: -358.896+/-428.134 χ^2/NDF: 38.1/40

In: -5.286+/-304.235 χ^2/NDF:35.8/41

Out: 168.244+/-302.491 χ^2/NDF:49.6/46

All: 81.978+/-214.507 χ^2/NDF: 85.6/88


asym_usr_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
120
140
160
180
Right In: 1705.387+/-0.421 χ²/NDF: 1283912.8/18
Left Out: 1503.437+/-0.246 χ²/NDF:799670.9/24
Right Out: 1803.883+/-0.436 χ²/NDF: 1133132.9/21
Left In: 1490.314+/-0.250 χ²/NDF:968221.5/22
Left: 1497.001+/-0.175 χ²/NDF: 1769293.4/47
Right: 1752.950+/-0.303 χ²/NDF: 2443478.2/40
In: 1546.474+/-0.215 χ²/NDF:2444973.8/41
Out: 1575.861+/-0.214 χ²/NDF:2293767.9/46
All: 1561.252+/-0.152 χ²/NDF: 4748125.7/88



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: 2072.425+/-375.012 χ^2/NDF: 18.5/21

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

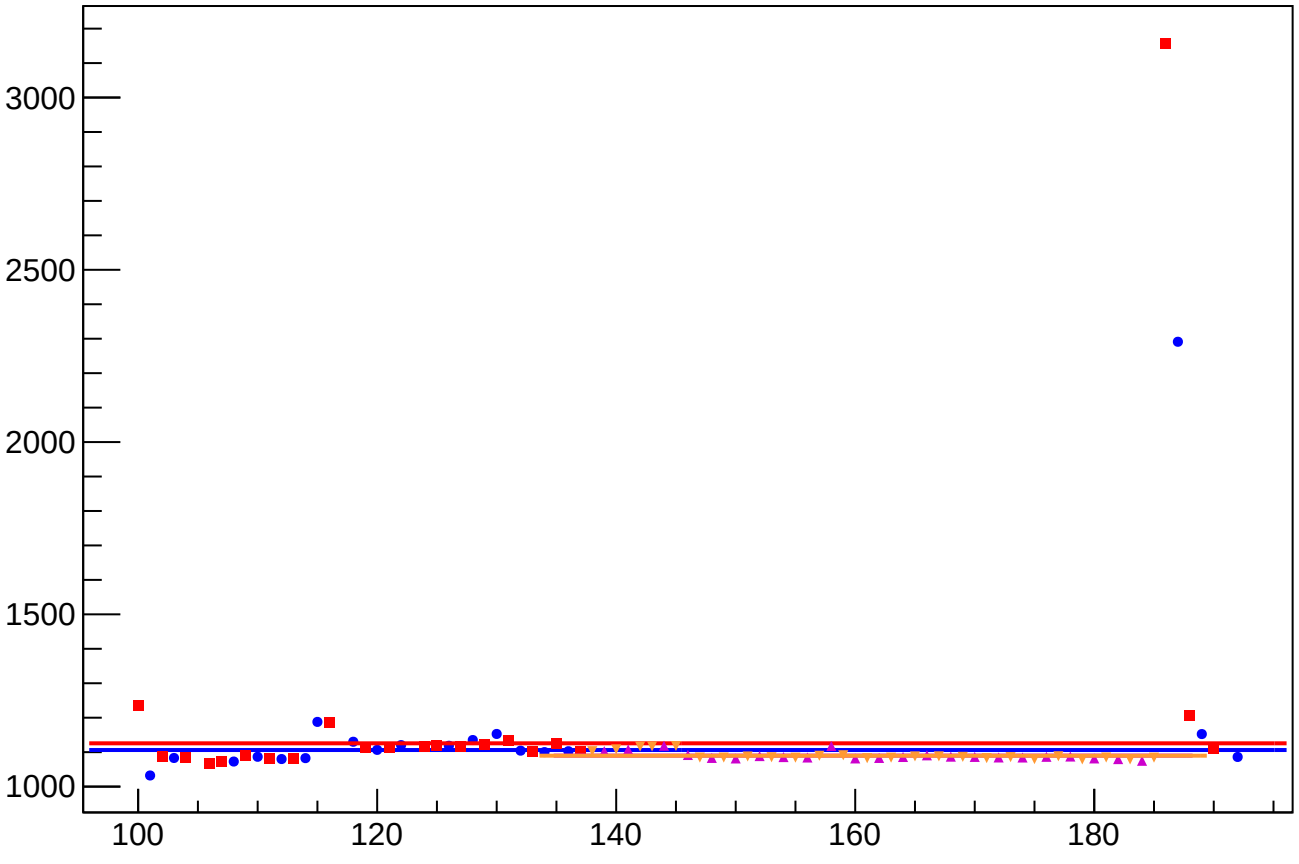
Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

Right: 2303.552+/-264.244 χ^2/NDF: 33.0/40

In: 2377.377+/-210.117 χ^2/NDF:42.4/41

Out: 2105.543+/-206.593 χ^2/NDF:33.7/46

All: 2239.161+/-147.314 χ^2/NDF: 77.0/88



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: 1125.657+/-0.265 χ^2/NDF: 364125.5/21

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

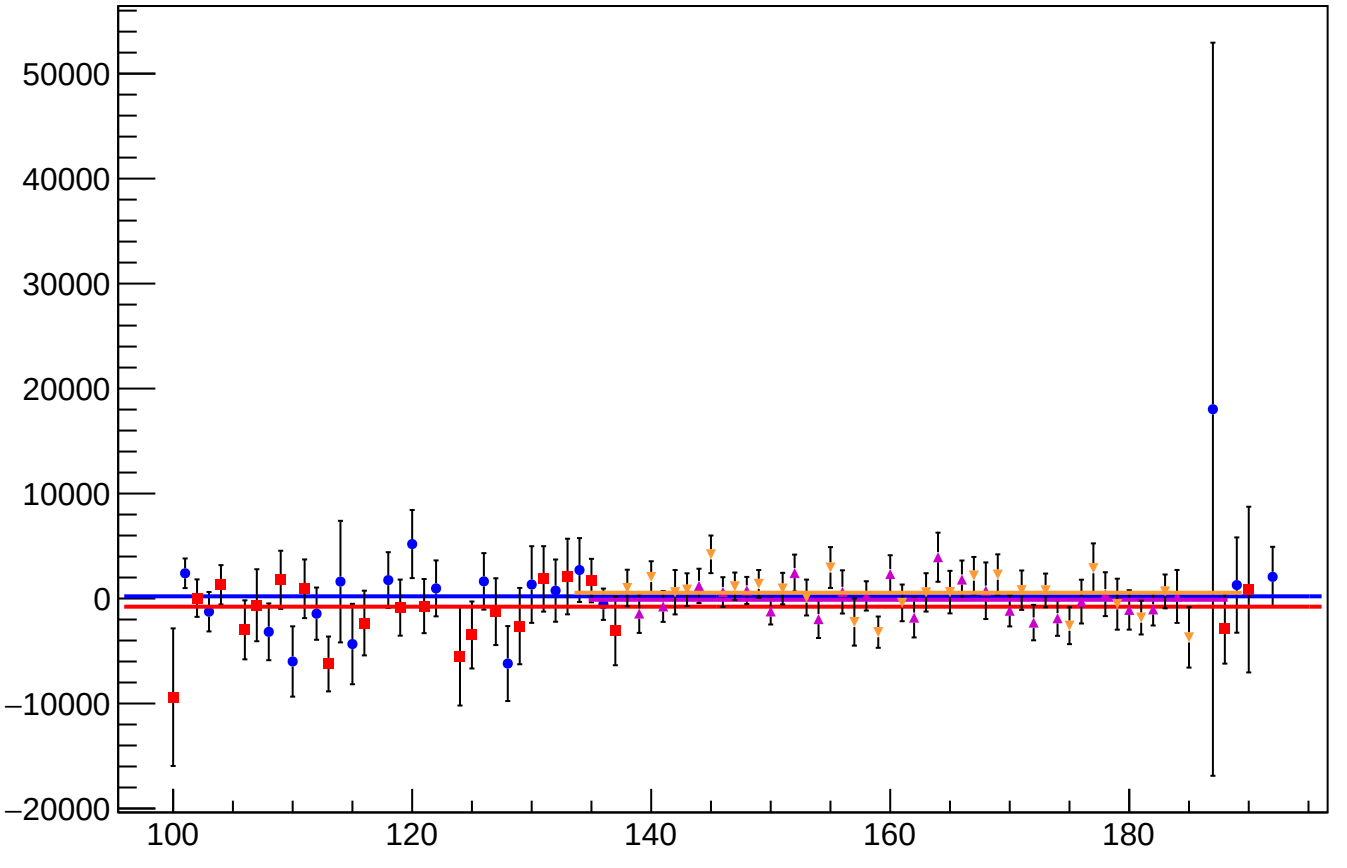
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1115.853+/-0.187 χ^2/NDF: 467421.2/40

In: 1095.129+/-0.149 χ^2/NDF:107063.9/41

Out: 1100.643+/-0.146 χ^2/NDF:380958.8/46

All: 1097.932+/-0.104 χ^2/NDF: 488723.1/88



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: -777.181+/-624.266 χ^2/NDF: 15.4/20

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

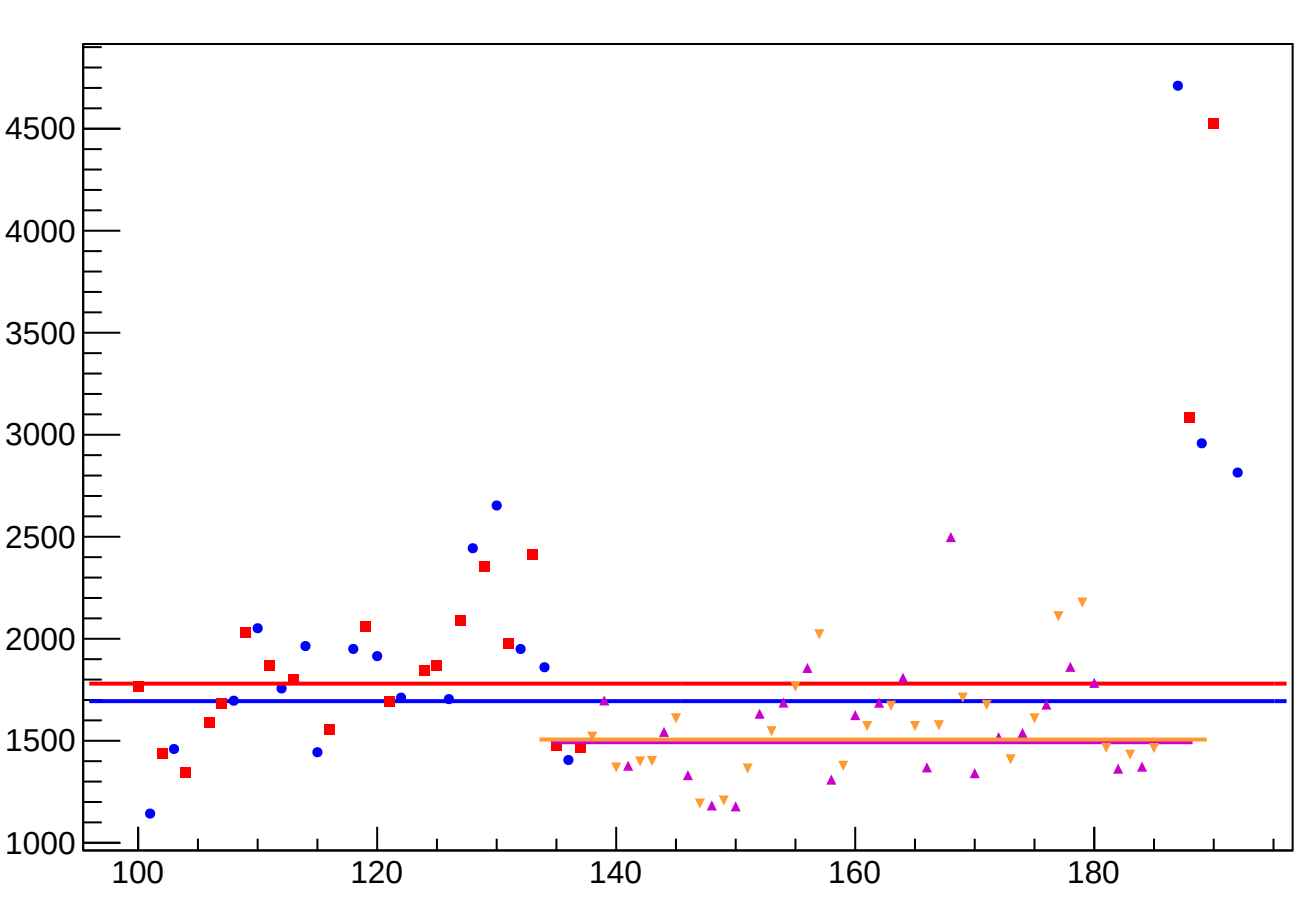
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -263.852+/-432.407 χ^2/NDF: 34.7/39

In: -35.655+/-305.171 χ^2/NDF:35.3/41

Out: 238.477+/-303.836 χ^2/NDF:45.0/45

All: 102.012+/-215.315 χ^2/NDF: 80.7/87



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: 1780.164+/-0.441 χ^2/NDF: 997289.6/20

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

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

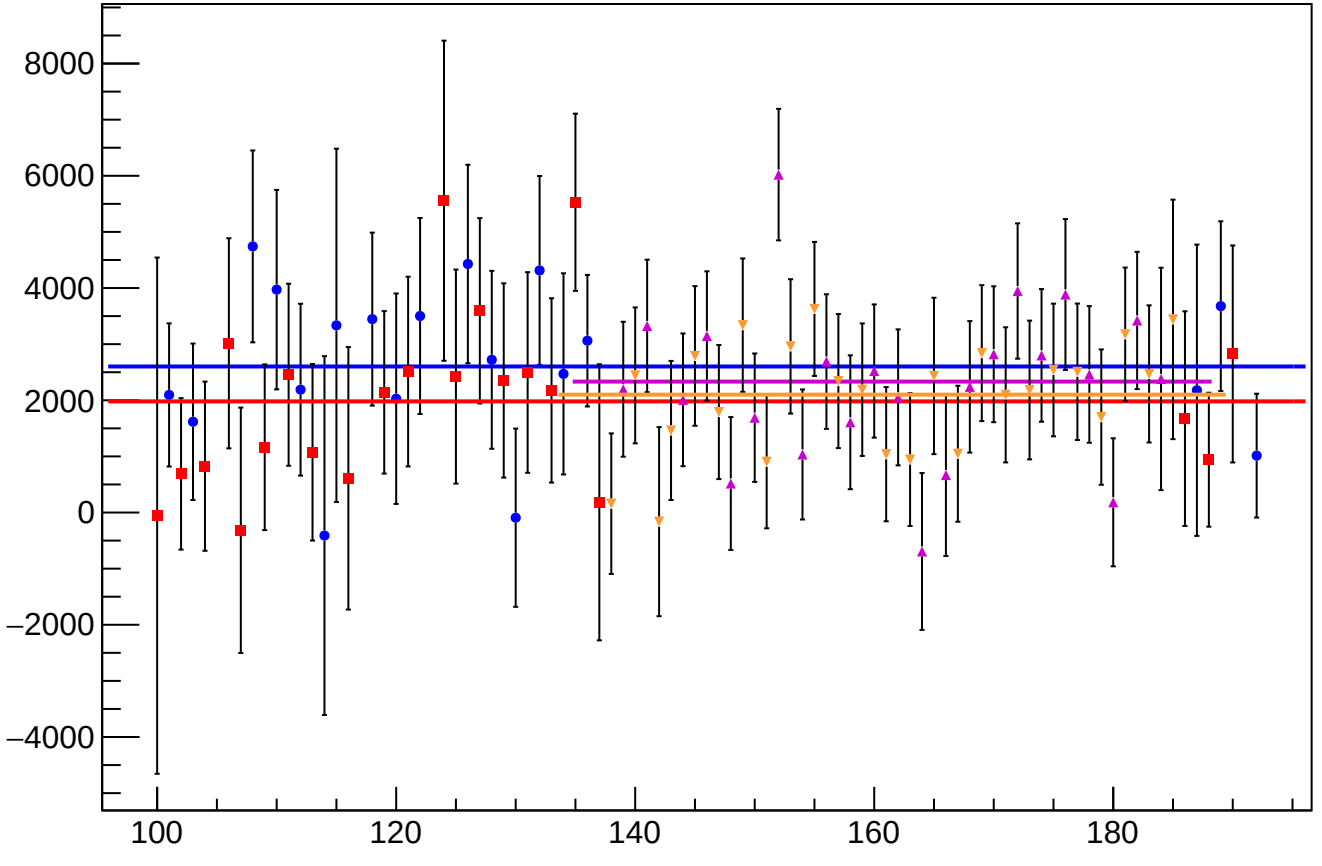
Right: 1735.487+/-0.306 χ^2/NDF: 2215745.0/39

In: 1545.136+/-0.216 χ^2/NDF:2330189.9/41

Out: 1571.024+/-0.215 χ^2/NDF:2087845.8/45

All: 1558.137+/-0.152 χ^2/NDF: 4425263.7/87

eigen_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: 1980.641+/-368.202 χ^2/NDF: 13.6/21

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

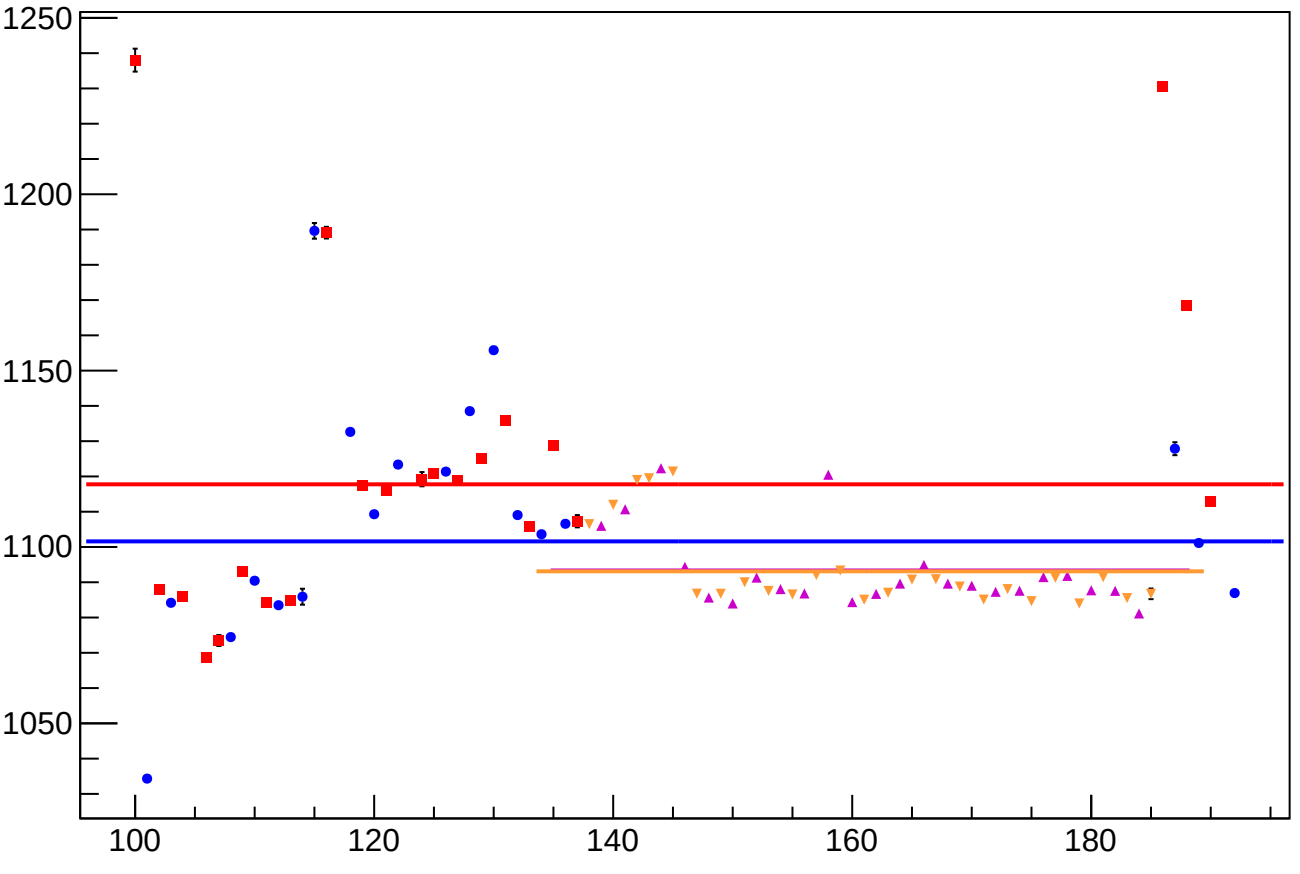
Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

Right: 2291.187+/-260.484 χ^2/NDF: 27.2/40

In: 2420.294+/-209.859 χ^2/NDF:42.1/41

Out: 2062.961+/-205.868 χ^2/NDF:27.5/46

All: 2238.197+/-146.961 χ^2/NDF: 71.0/88



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: 1117.766+/-0.260 χ^2/NDF: 20620.8/21

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

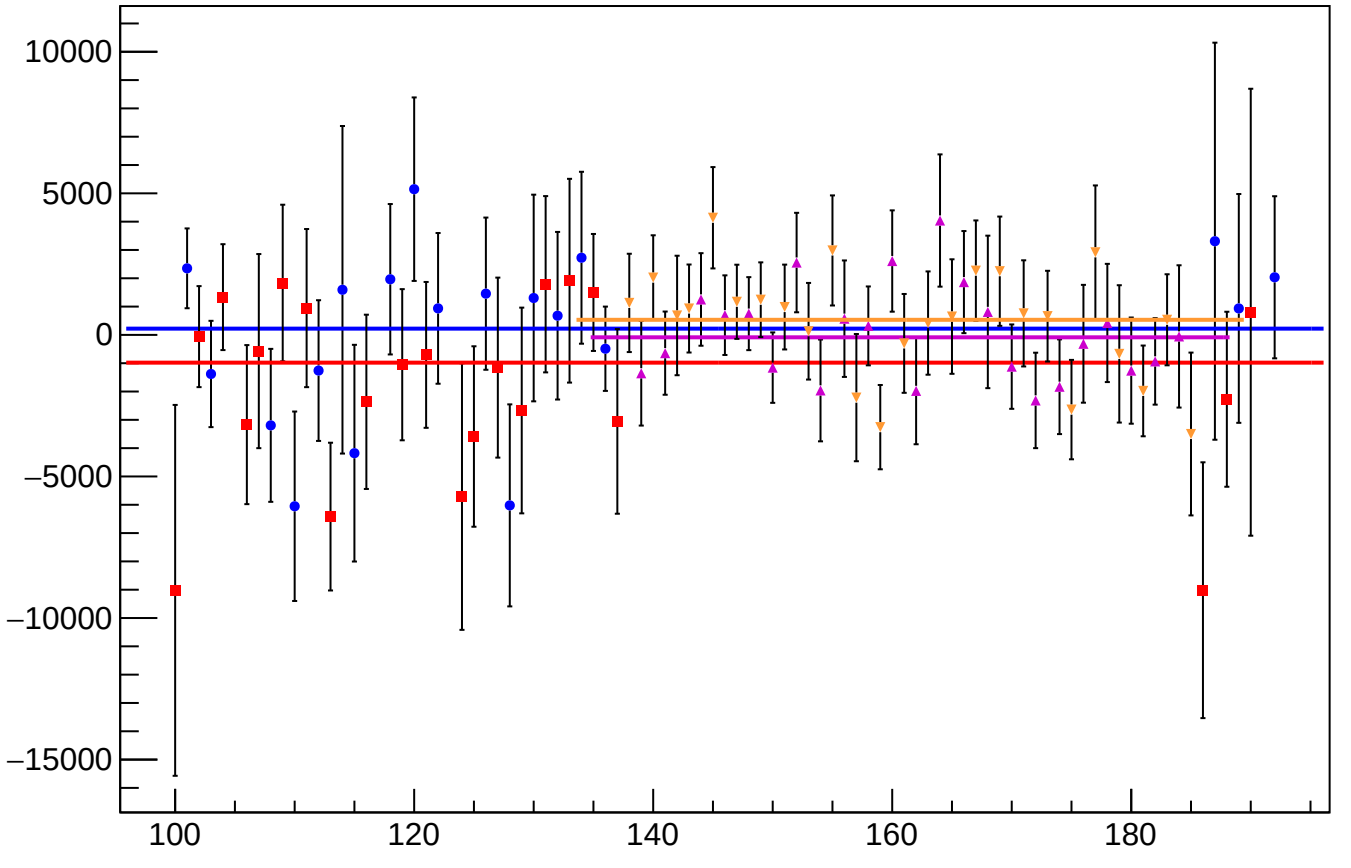
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1109.685+/-0.184 χ^2/NDF: 36354.4/40

In: 1096.013+/-0.148 χ^2/NDF:18207.8/41

Out: 1100.812+/-0.146 χ^2/NDF:30772.7/46

All: 1098.459+/-0.104 χ^2/NDF: 49513.6/88



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: -980.103+/-616.104 χ^2/NDF: 18.6/21

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

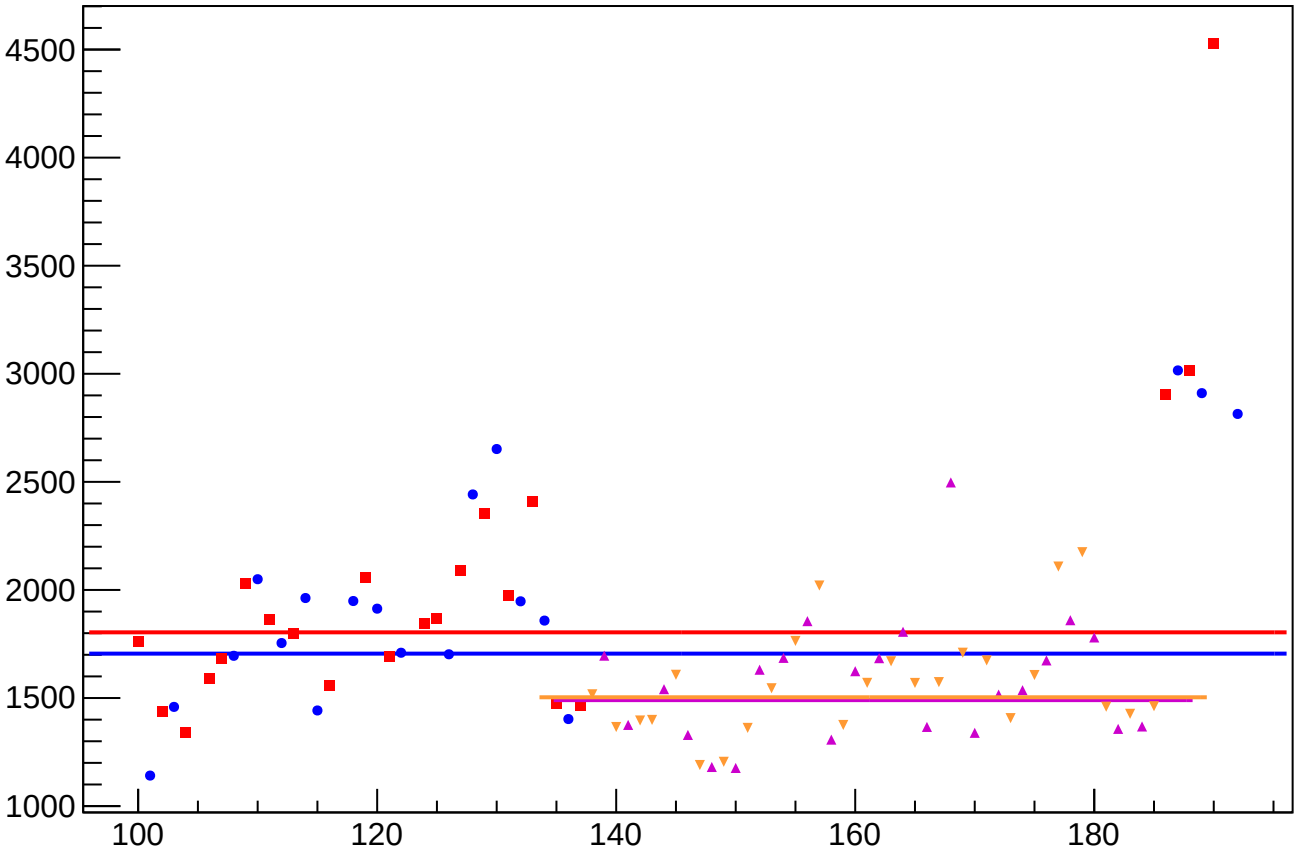
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -358.896+/-428.134 χ^2/NDF: 38.1/40

In: -5.286+/-304.235 χ^2/NDF:35.8/41

Out: 168.244+/-302.491 χ^2/NDF:49.6/46

All: 81.978+/-214.507 χ^2/NDF: 85.6/88


asym_usr_eigen_cor_correction_rms vs Slug, Sign Corrected
4500
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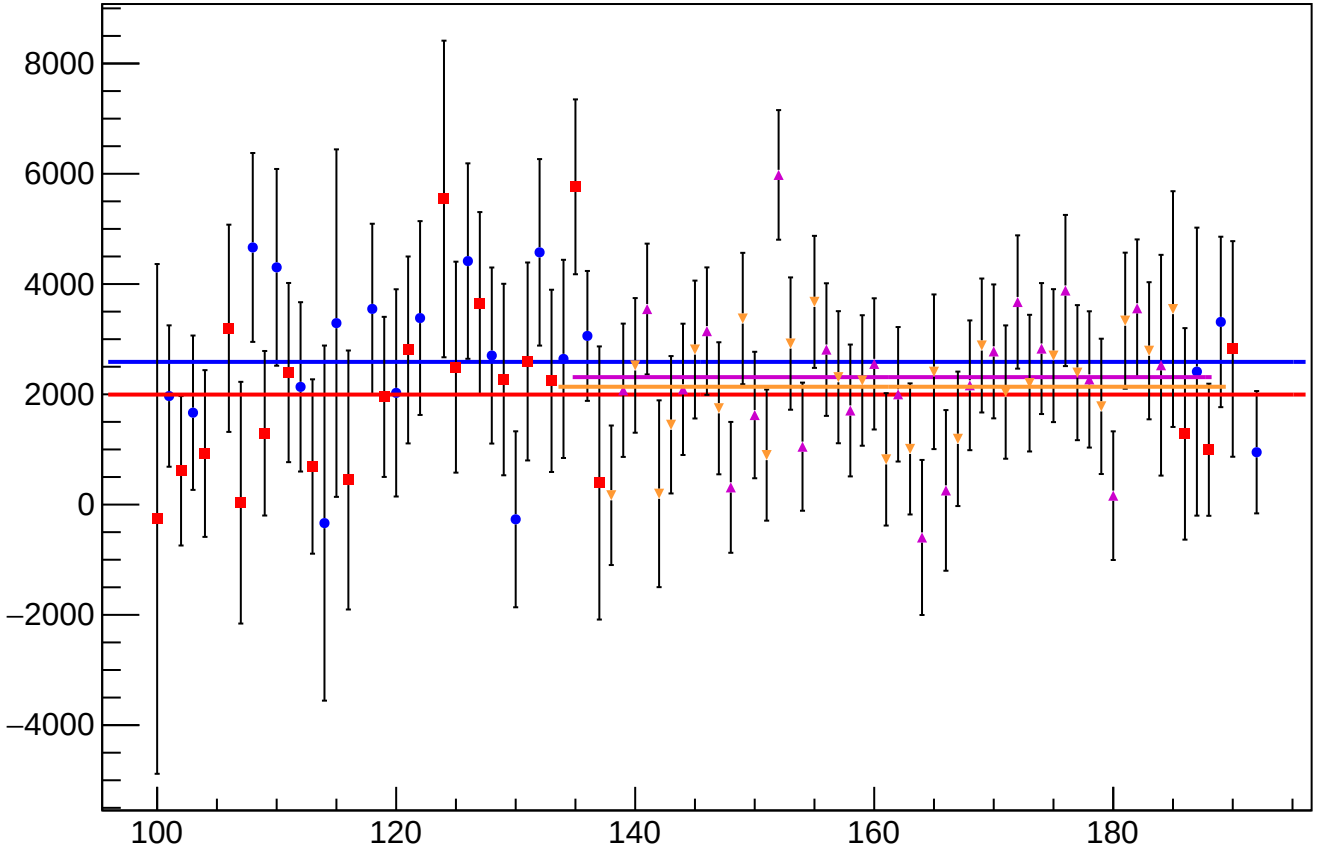
160
180
Right In: 1705.387+/-0.421 χ²/NDF: 1283912.8/18
Left Out: 1503.437+/-0.246 χ²/NDF:799670.9/24
Right Out: 1803.883+/-0.436 χ²/NDF: 1133132.9/21
Left In: 1490.314+/-0.250 χ²/NDF:968221.5/22
Left: 1497.001+/-0.175 χ²/NDF: 1769293.4/47
Right: 1752.950+/-0.303 χ²/NDF: 2443478.2/40
In: 1546.474+/-0.215 χ²/NDF:2444973.8/41
Out: 1575.861+/-0.214 χ²/NDF:2293767.9/46
All: 1561.252+/-0.152 χ²/NDF: 4748125.7/88

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: 1995.387+/-369.885 χ^2/NDF: 14.4/21

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

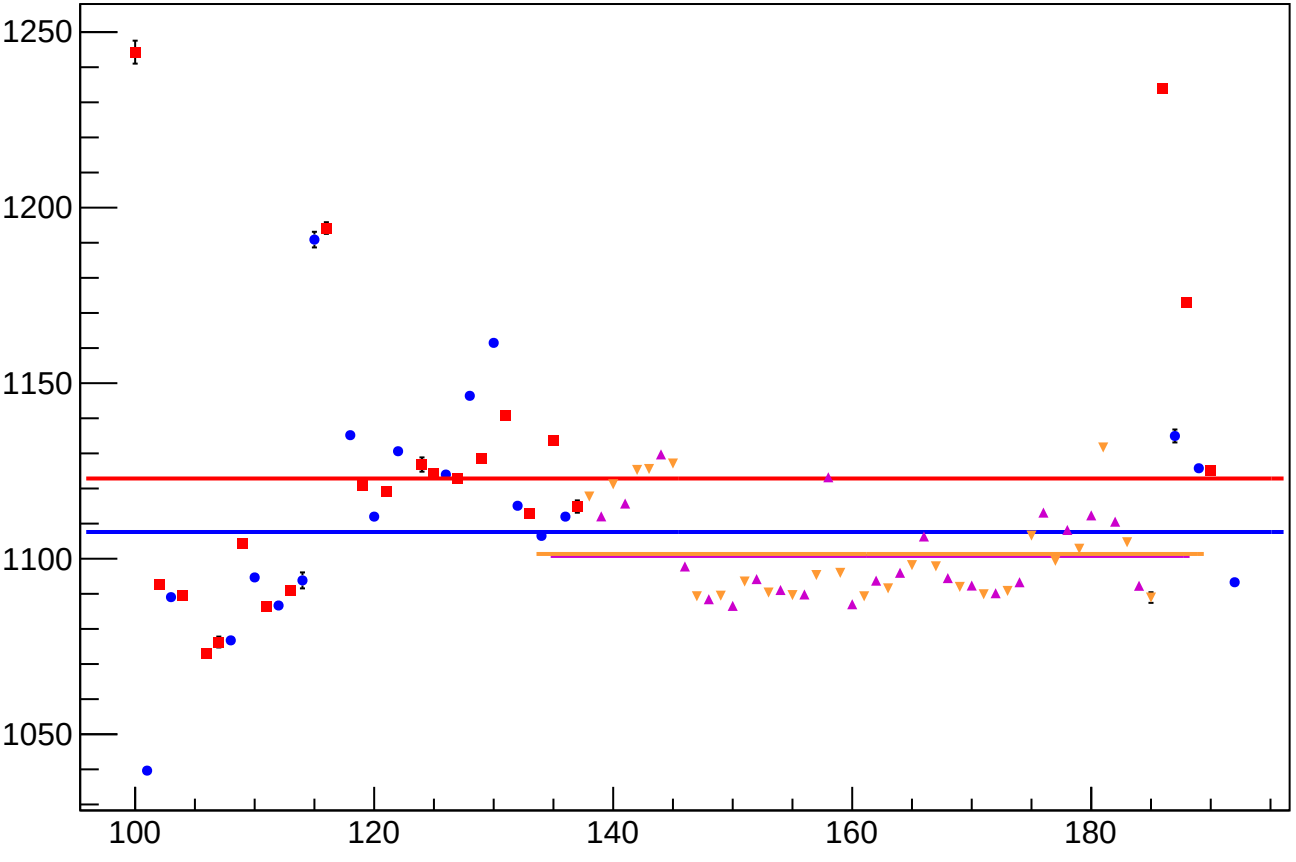
Right: 2291.222+/-261.797 χ^2/NDF: 28.6/40

In: 2401.546+/-211.206 χ^2/NDF:43.2/41

Out: 2092.673+/-207.238 χ^2/NDF:28.5/46

All: 2244.180+/-147.922 χ^2/NDF: 72.8/88

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: 1122.849+/-0.262 χ^2/NDF: 20298.5/21

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

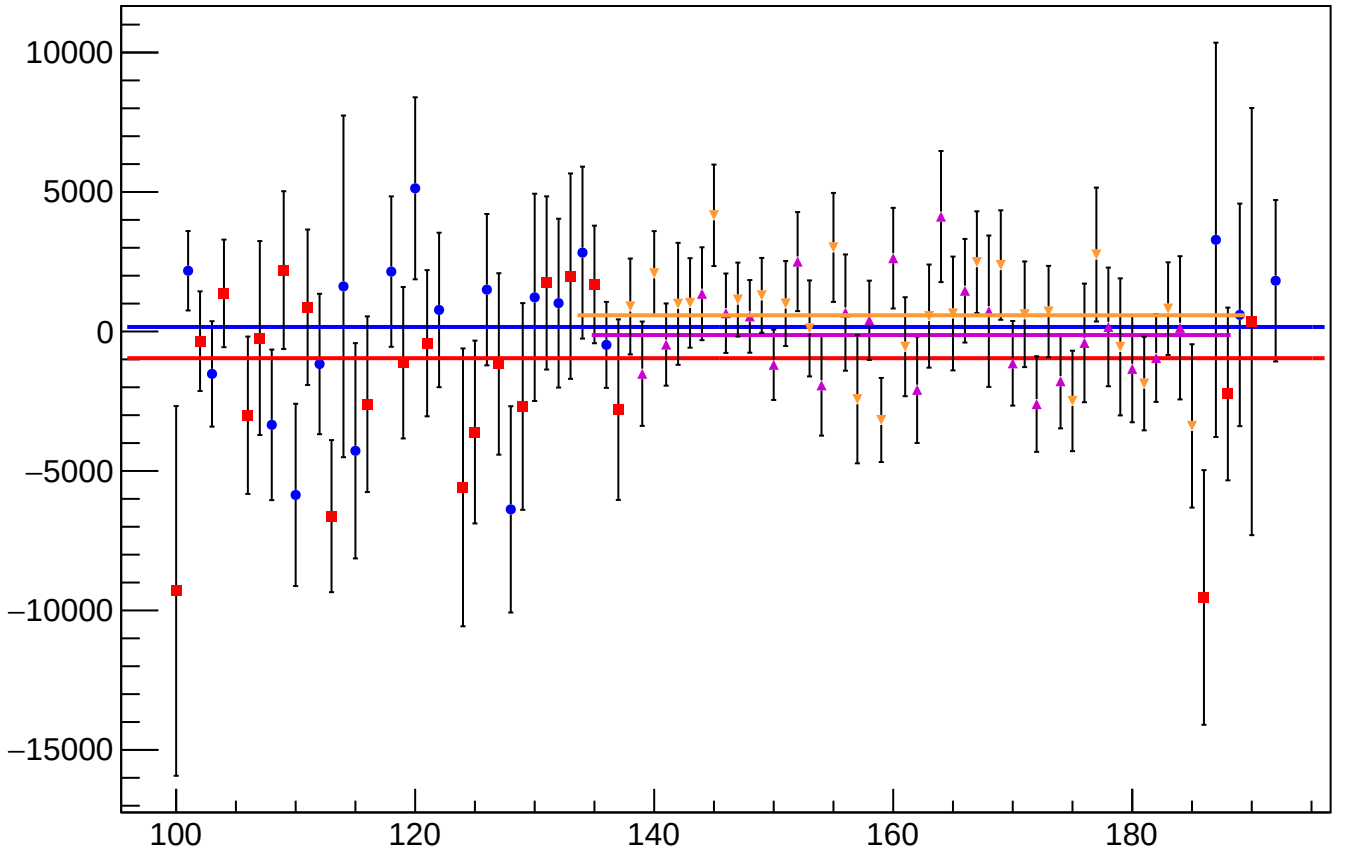
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1115.244+/-0.185 χ^2/NDF: 36041.7/40

In: 1103.007+/-0.149 χ^2/NDF:19147.9/41

Out: 1108.101+/-0.147 χ^2/NDF:30883.2/46

All: 1105.602+/-0.105 χ^2/NDF: 50623.9/88



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: -957.618+/-625.939 χ^2/NDF: 18.8/21

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

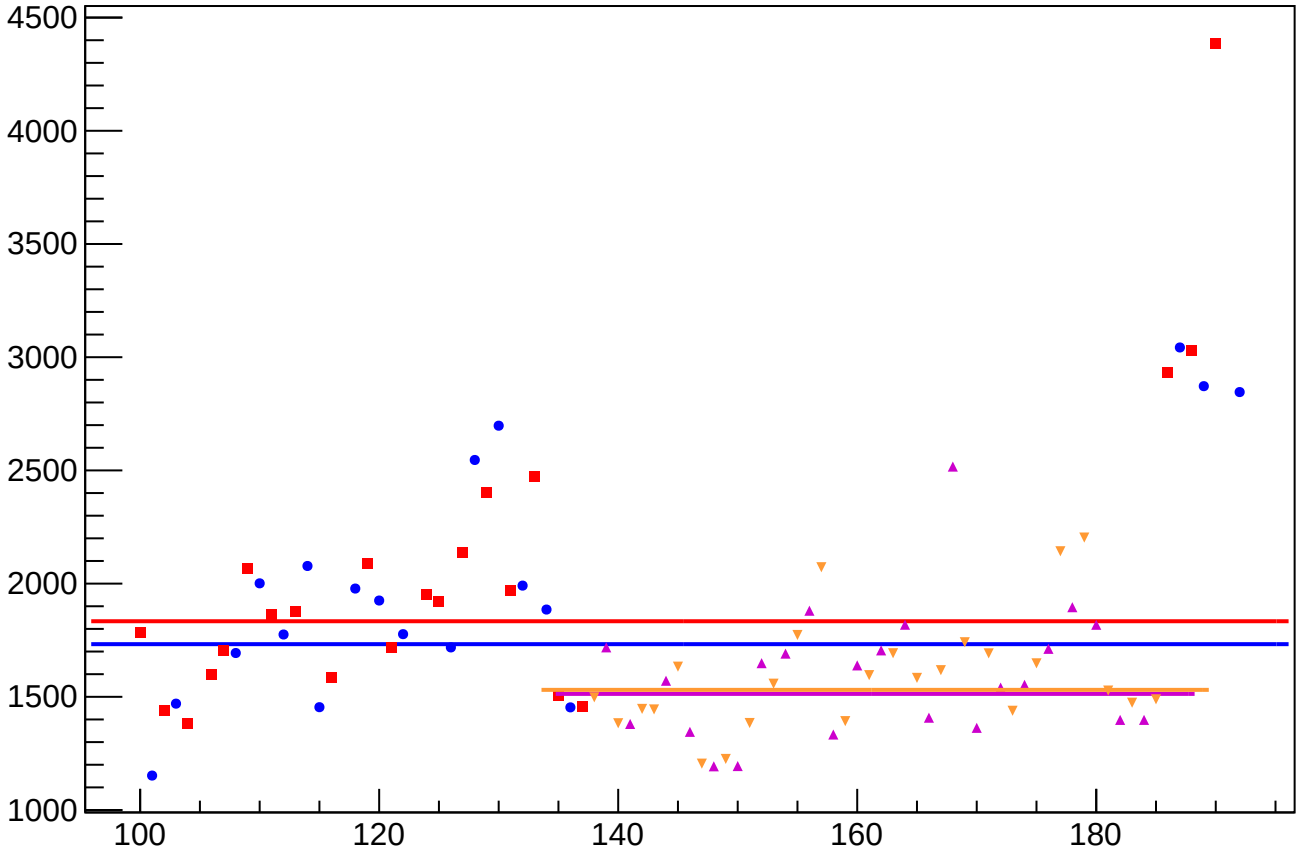
Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

Right: -378.572+/-434.794 χ^2/NDF: 37.9/40

In: -53.075+/-308.740 χ^2/NDF:35.5/41

Out: 209.436+/-307.732 χ^2/NDF:48.8/46

All: 78.609+/-217.955 χ^2/NDF: 84.6/88



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: 1833.836+/-0.443 χ^2/NDF: 1114332.7/21

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

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

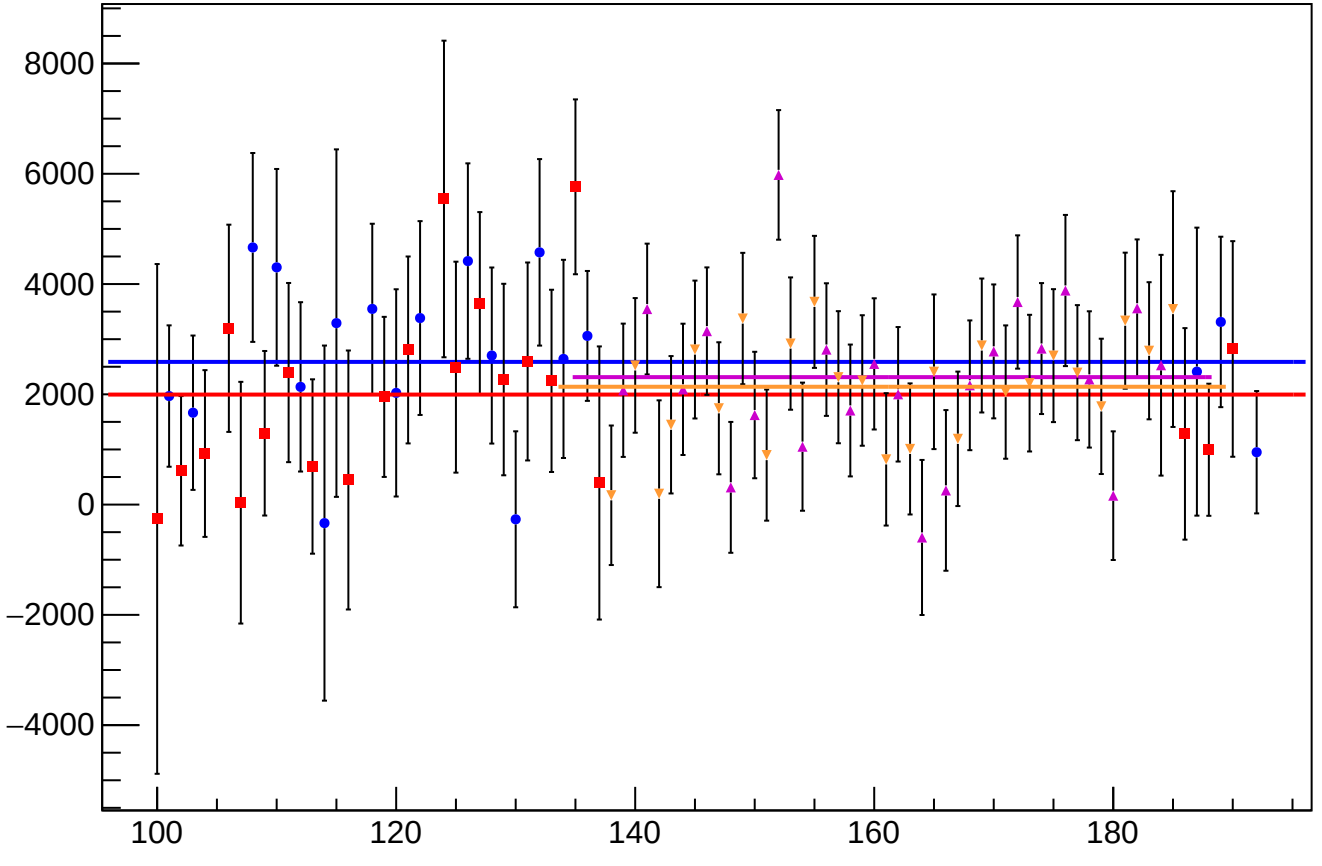
Right: 1781.441+/-0.307 χ^2/NDF: 2412839.5/40

In: 1570.258+/-0.218 χ^2/NDF:2423688.7/41

Out: 1604.017+/-0.218 χ^2/NDF:2265512.9/46

All: 1587.193+/-0.154 χ^2/NDF: 4701197.2/88

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



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: 1995.387+/-369.885 χ^2/NDF: 14.4/21

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

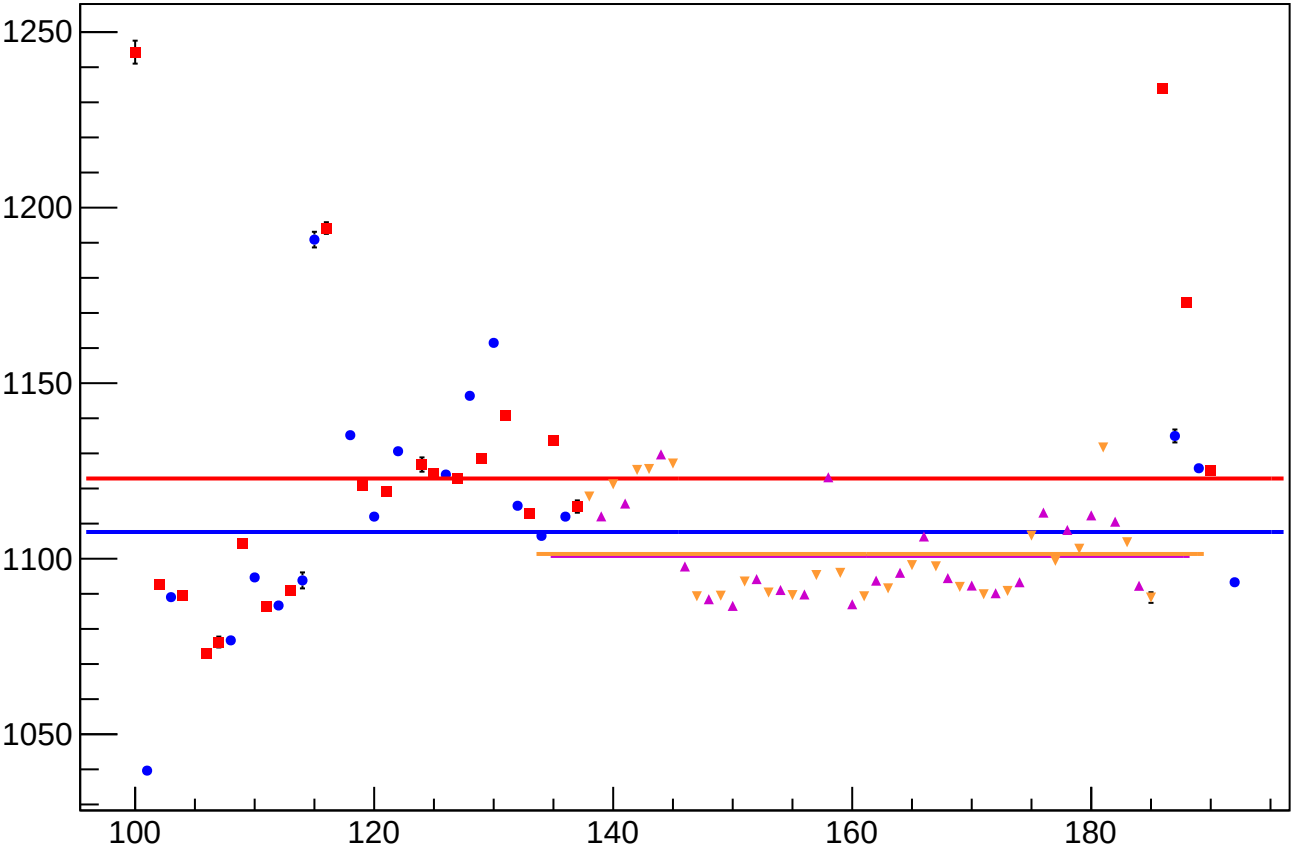
Right: 2291.221+/-261.797 χ^2/NDF: 28.6/40

In: 2401.545+/-211.206 χ^2/NDF:43.2/41

Out: 2092.671+/-207.238 χ^2/NDF:28.5/46

All: 2244.179+/-147.922 χ^2/NDF: 72.8/88

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: 1122.849+/-0.262 χ^2/NDF: 20298.5/21

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

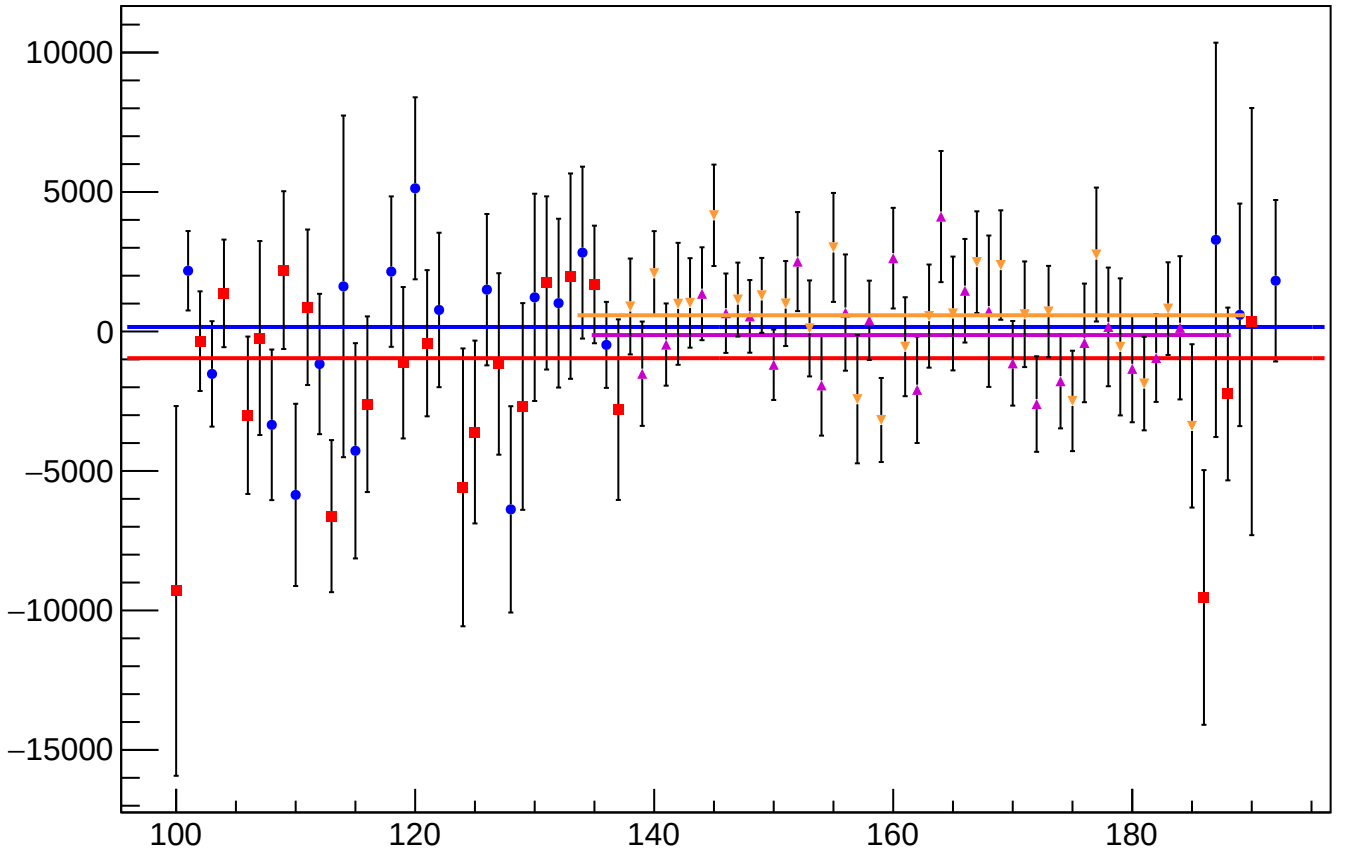
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1115.244+/-0.185 χ^2/NDF: 36041.6/40

In: 1103.007+/-0.149 χ^2/NDF:19147.8/41

Out: 1108.101+/-0.147 χ^2/NDF:30883.2/46

All: 1105.602+/-0.105 χ^2/NDF: 50623.7/88



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: -957.621+/-625.938 χ^2/NDF: 18.8/21

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

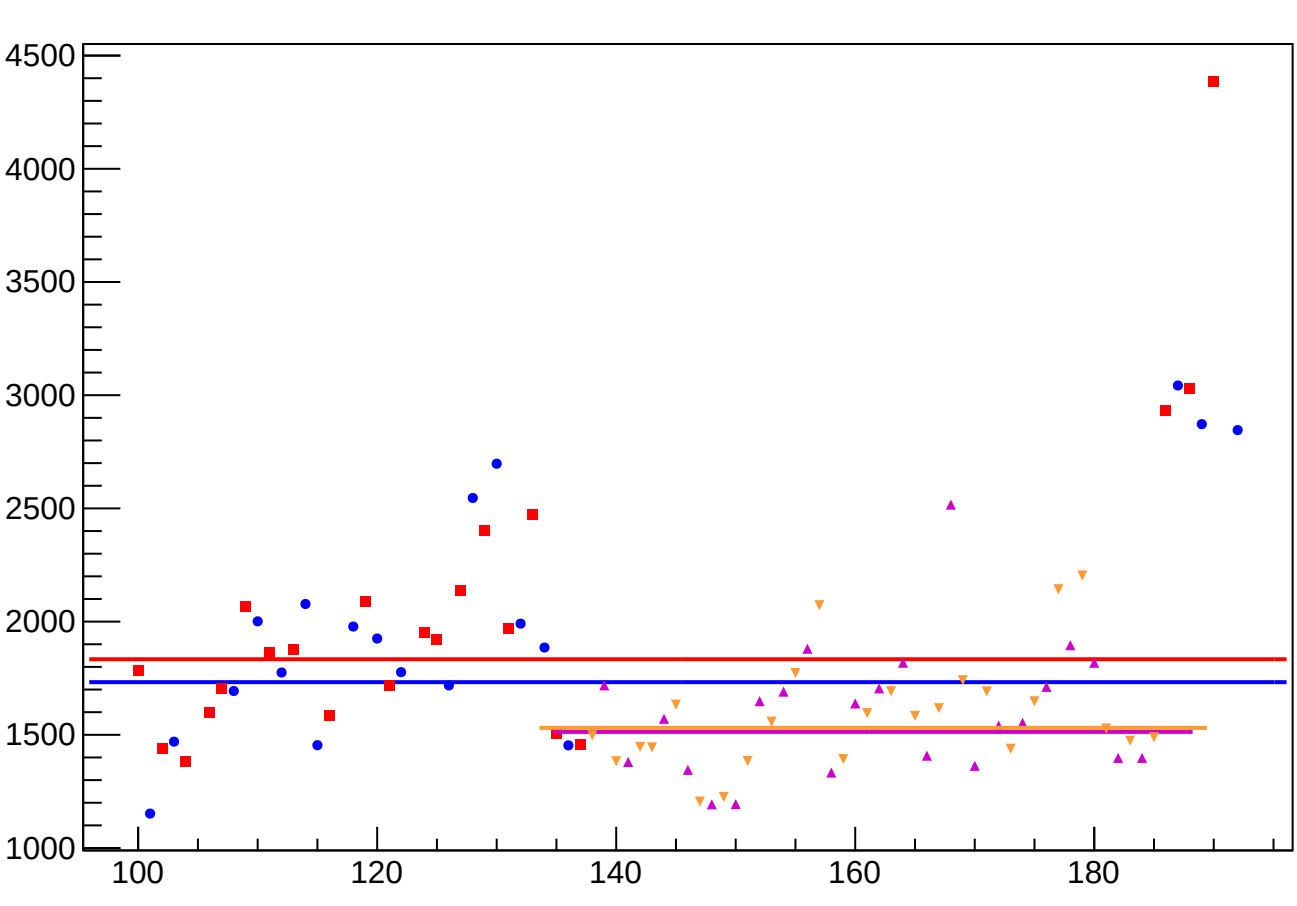
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -378.576+/-434.793 χ^2/NDF: 37.9/40

In: -53.076+/-308.740 χ^2/NDF:35.5/41

Out: 209.432+/-307.732 χ^2/NDF:48.8/46

All: 78.607+/-217.955 χ^2/NDF: 84.6/88



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: 1833.834+/-0.443 χ^2/NDF: 1114319.0/21

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

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

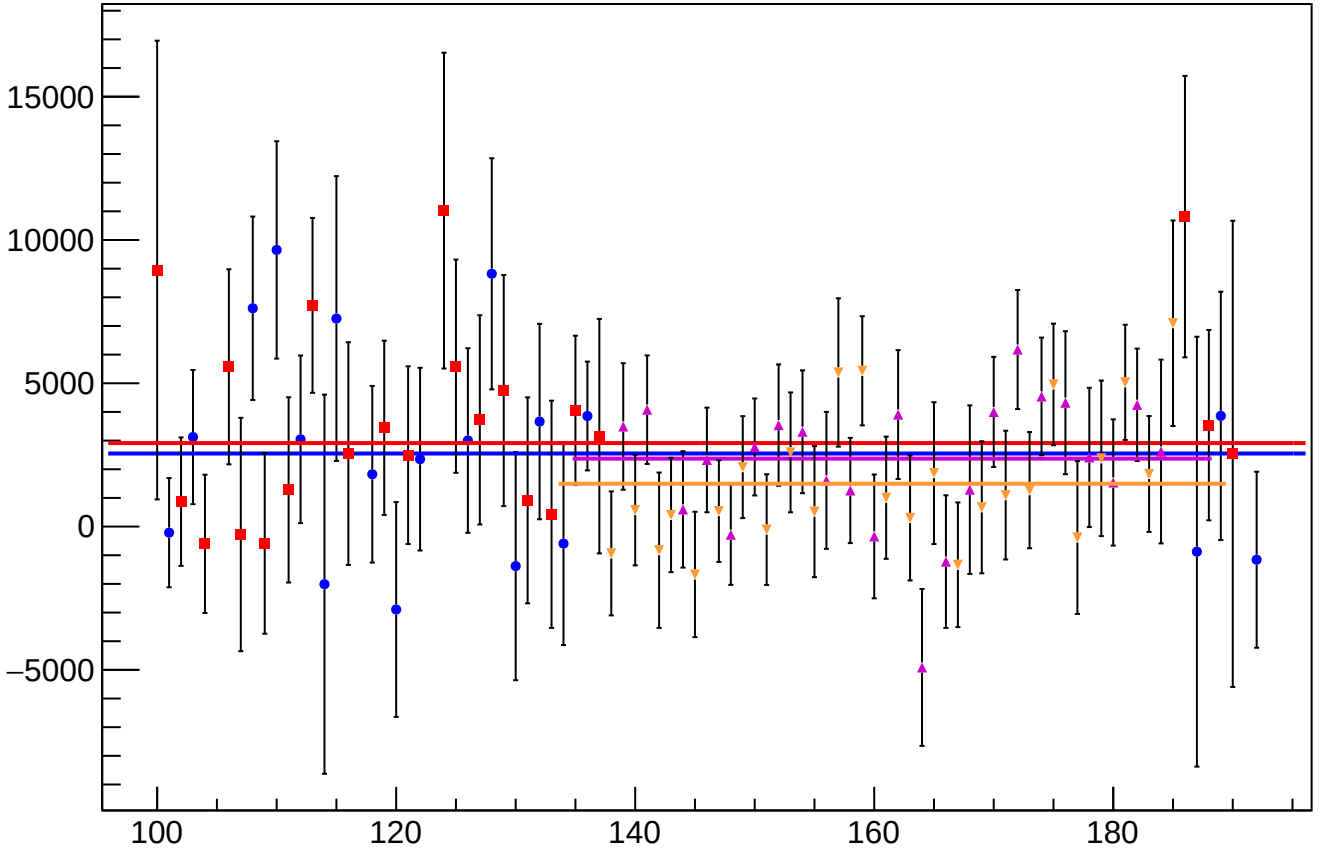
Right: 1781.439+/-0.307 χ^2/NDF: 2412811.9/40

In: 1570.261+/-0.218 χ^2/NDF:2423669.7/41

Out: 1604.020+/-0.218 χ^2/NDF:2265490.7/46

All: 1587.196+/-0.154 χ^2/NDF: 4701156.3/88

asym_usr_mean vs Slug, Sign Corrected



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: 2914.655+/-734.689 χ^2/NDF: 15.2/21

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

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

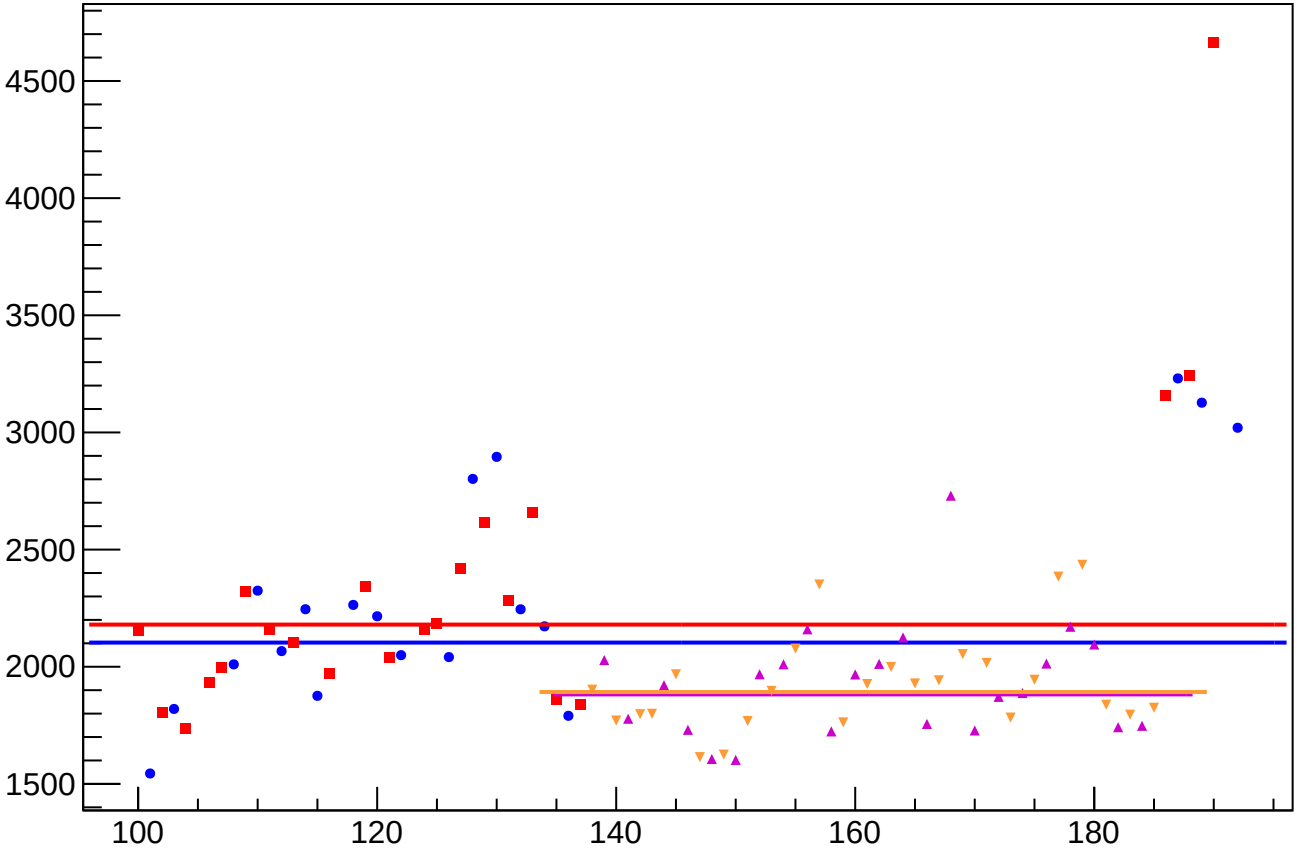
Right: 2728.875+/-514.732 χ^2/NDF: 33.7/40

In: 2419.725+/-377.471 χ^2/NDF:42.0/41

Out: 1861.253+/-373.158 χ^2/NDF:41.8/46

All: 2137.281+/-265.374 χ^2/NDF: 84.9/88

asym_usr_rms vs Slug, Sign Corrected



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: 2179.909+/-0.520 χ^2/NDF: 737910.4/21

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

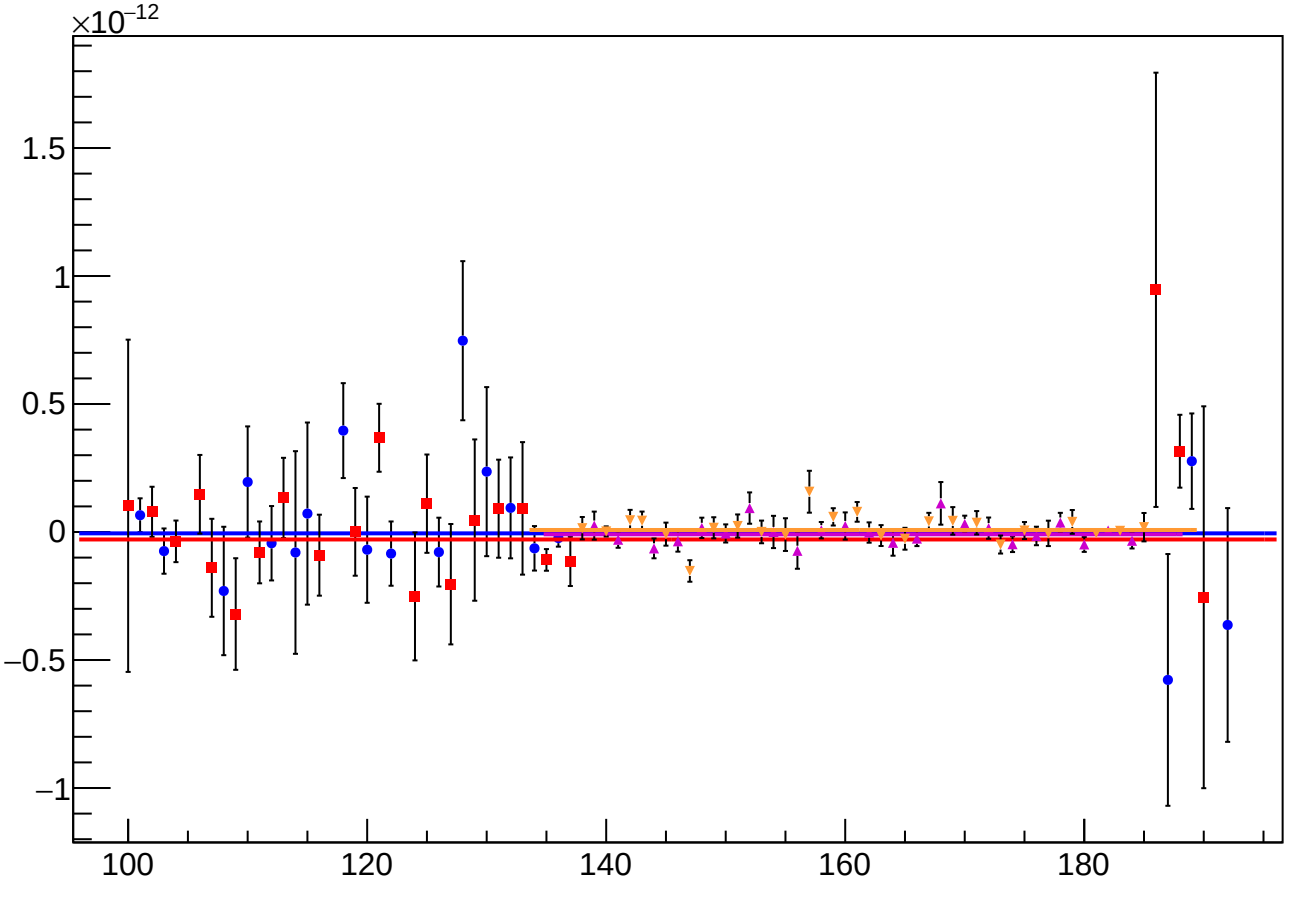
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2140.820+/-0.364 χ^2/NDF: 1505676.7/40

In: 1942.469+/-0.267 χ^2/NDF:1355921.3/41

Out: 1966.360+/-0.264 χ^2/NDF:1355276.4/46

All: 1954.552+/-0.188 χ^2/NDF: 2715249.7/88



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: 29.3/21

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

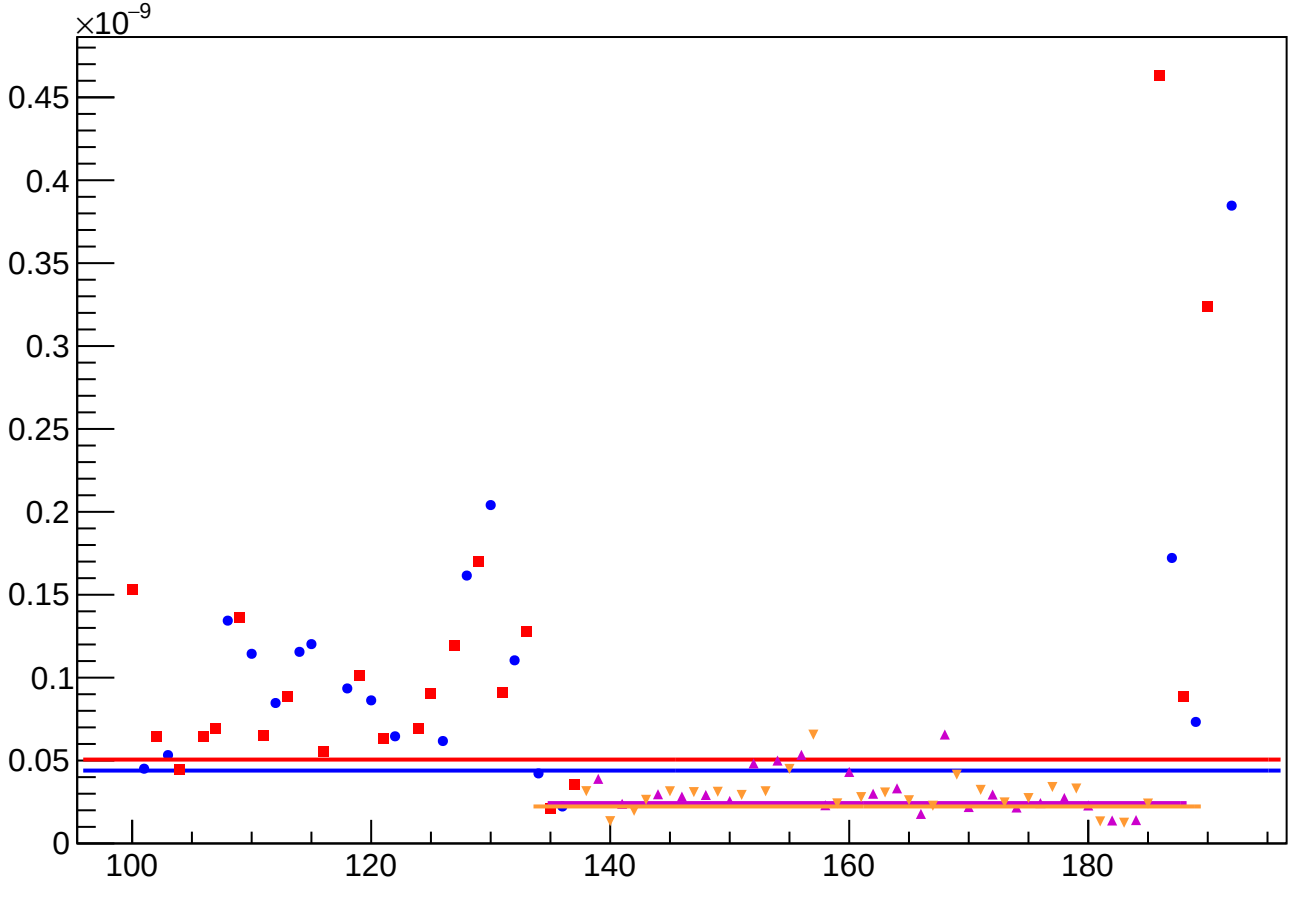
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 50.5/40

In: -0.000+/-0.000 χ^2/NDF:39.8/41

Out: 0.000+/-0.000 χ^2/NDF:63.5/46

All: -0.000+/-0.000 χ^2/NDF: 105.4/88



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: 3503109.5/21

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

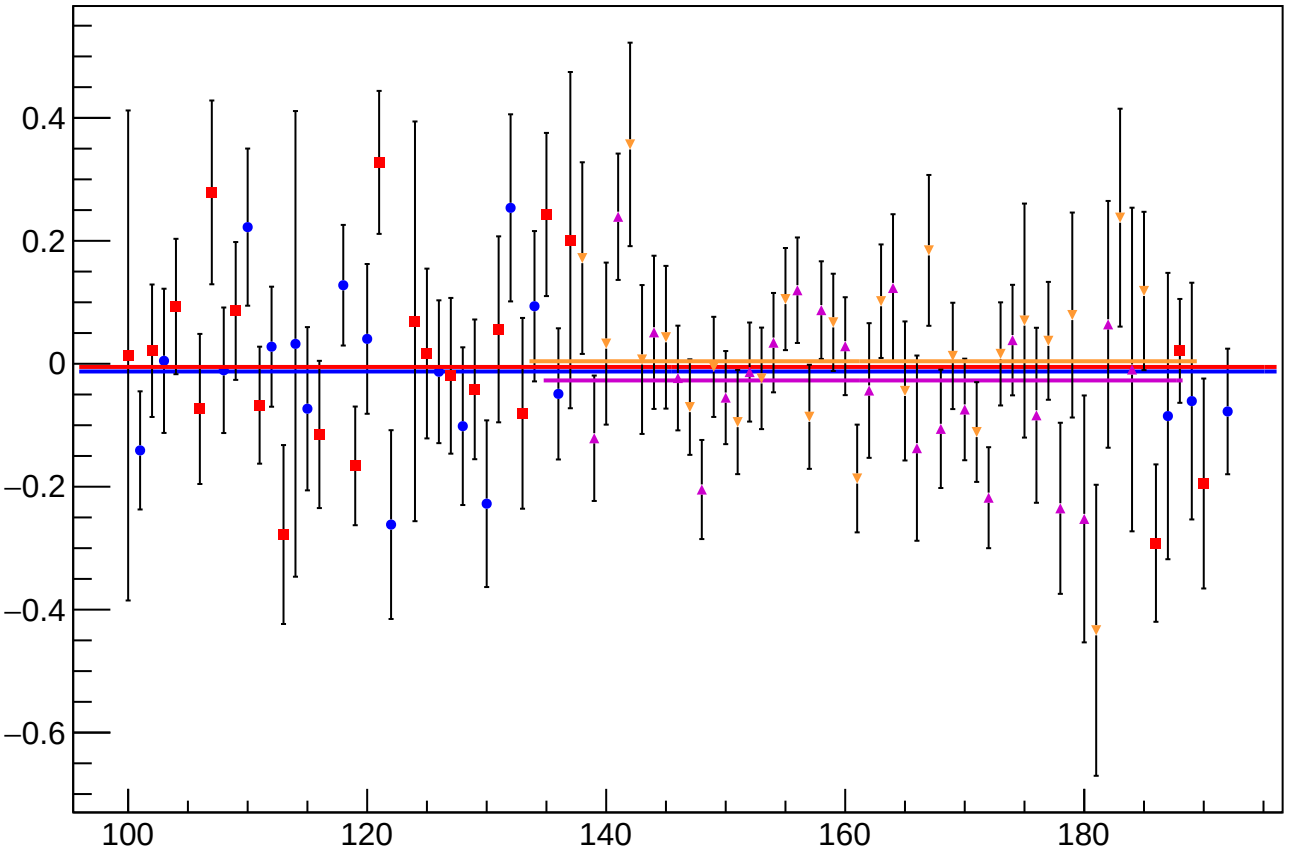
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 7815514.4/40

In: 0.000+/-0.000 χ^2/NDF:8582398.1/41

Out: 0.000+/-0.000 χ^2/NDF:9264548.7/46

All: 0.000+/-0.000 χ^2/NDF: 17930213.0/88



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: -0.005+/-0.027 χ^2/NDF: 32.2/21

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

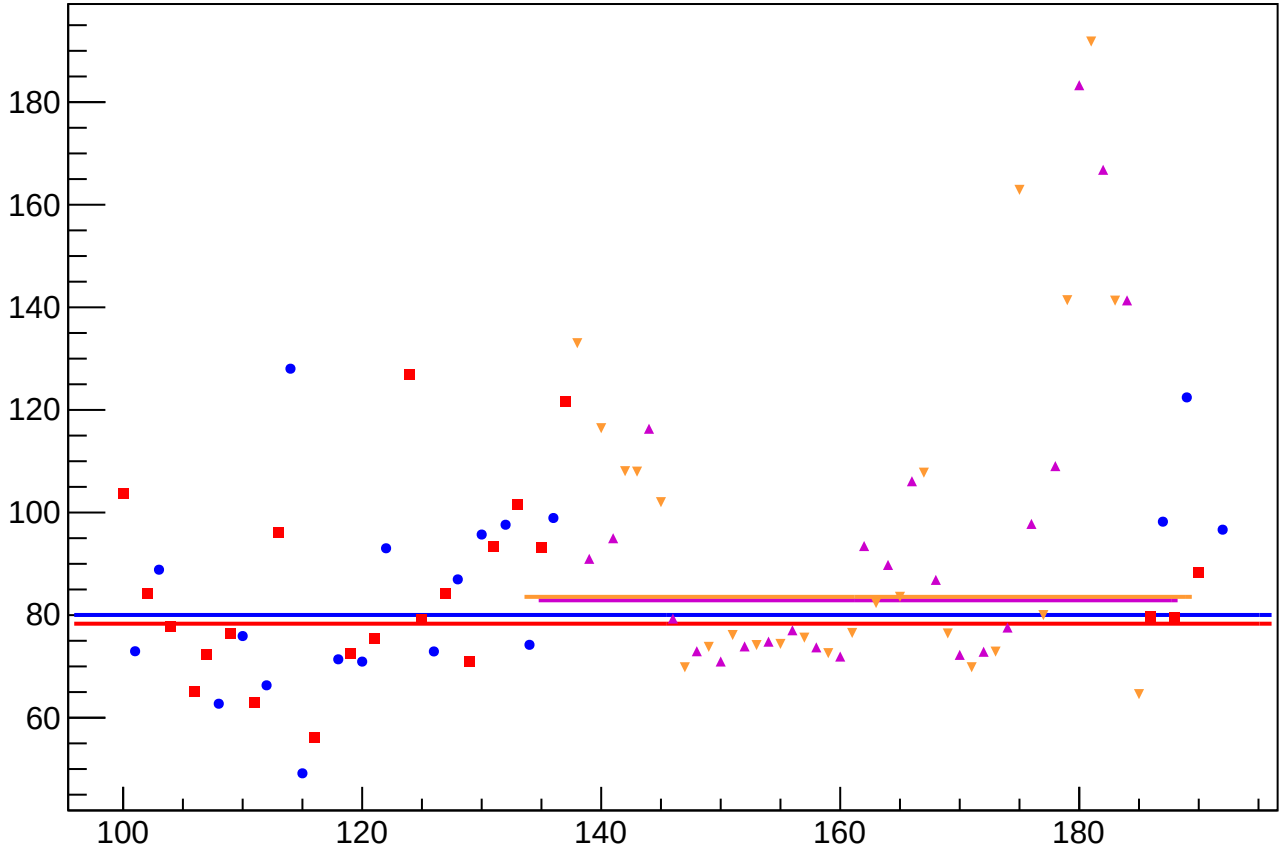
Right: -0.009+/-0.020 χ^2/NDF: 50.1/40

In: -0.022+/-0.017 χ^2/NDF:50.1/41

Out: 0.001+/-0.016 χ^2/NDF:60.4/46

All: -0.010+/-0.012 χ^2/NDF: 111.4/88

asym_usr_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 78.329+/-0.019 χ^2/NDF: 404572.0/21

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

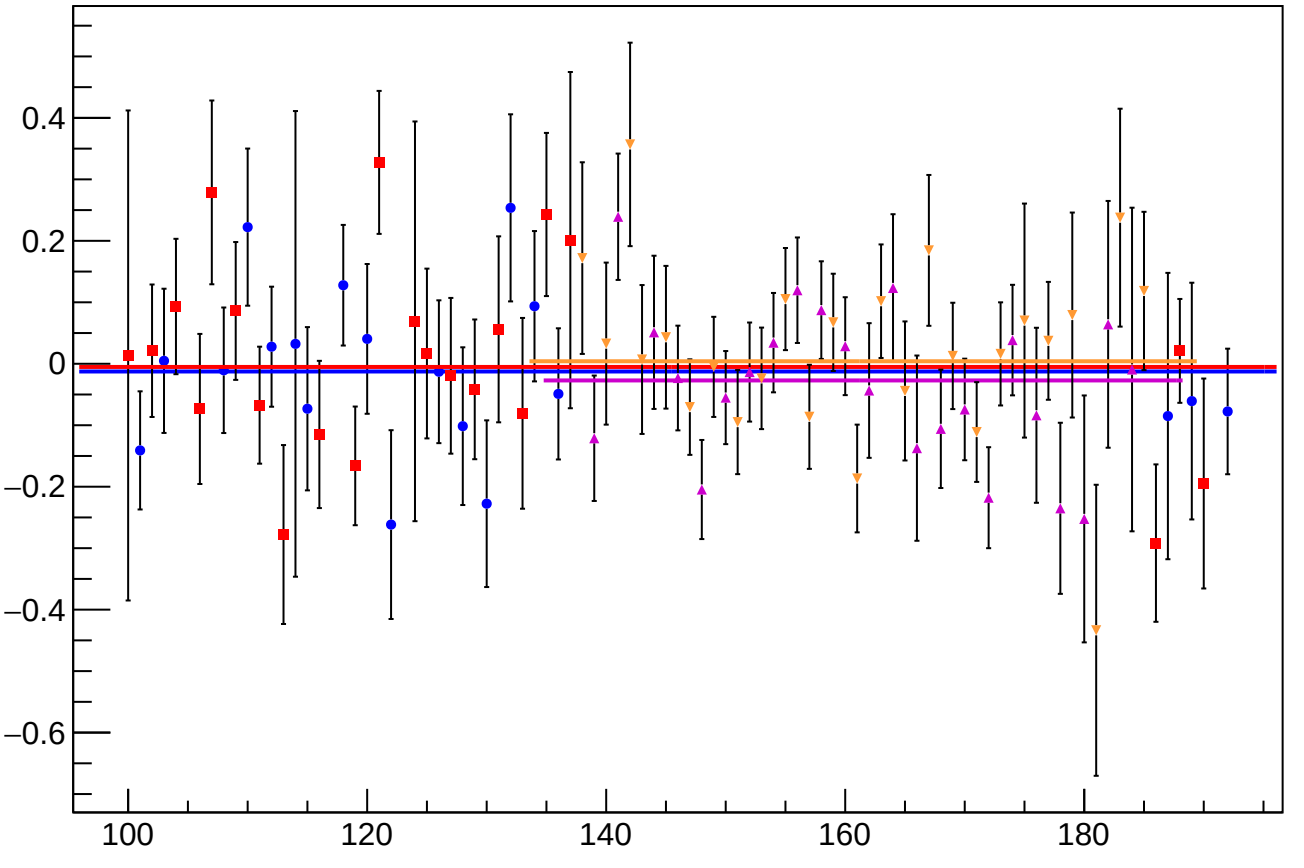
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 79.142+/-0.014 χ^2/NDF: 1006872.8/40

In: 81.904+/-0.012 χ^2/NDF:2184865.0/41

Out: 81.677+/-0.011 χ^2/NDF:2625434.3/46

All: 81.788+/-0.008 χ^2/NDF: 4810489.7/88



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: -0.005+/-0.027 χ^2/NDF: 32.2/21

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

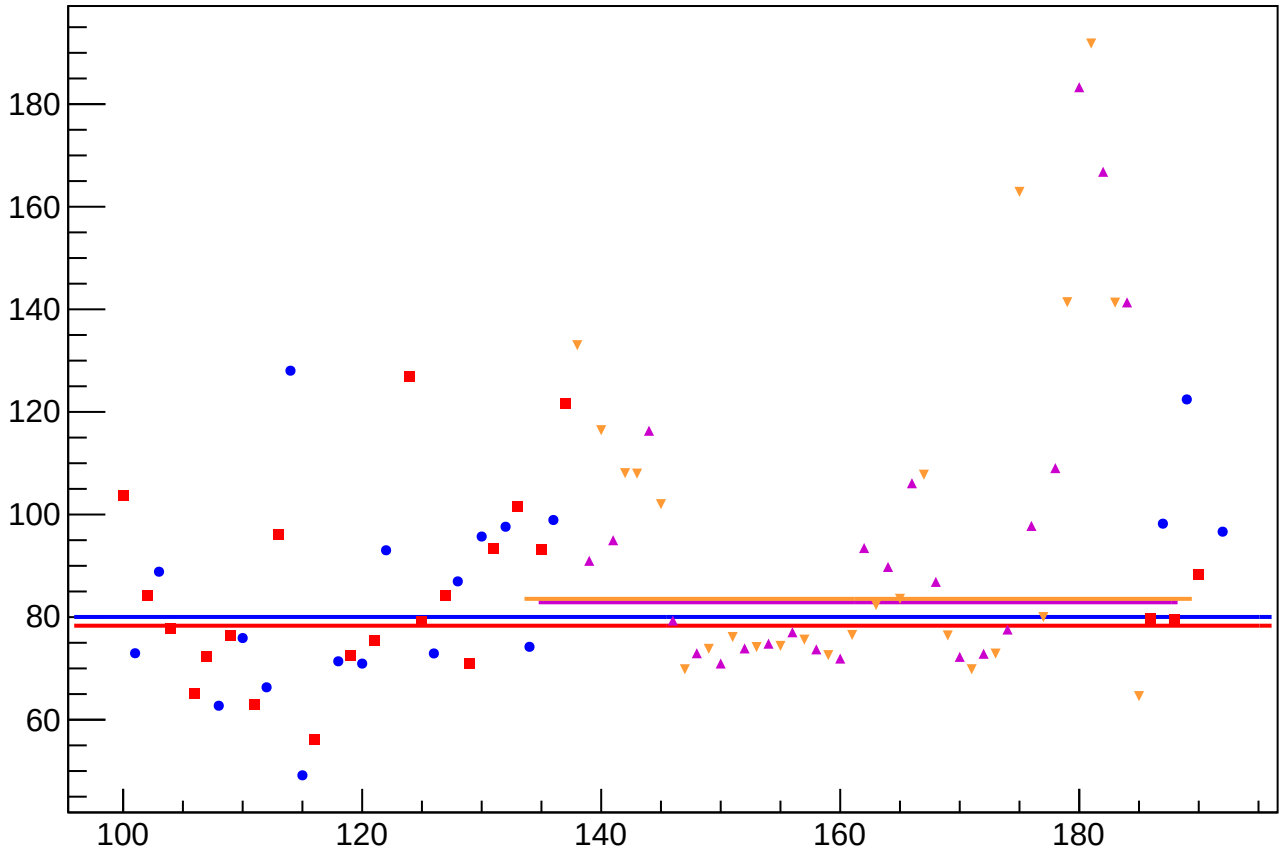
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.009+/-0.020 χ^2/NDF: 50.1/40

In: -0.022+/-0.017 χ^2/NDF:50.1/41

Out: 0.001+/-0.016 χ^2/NDF:60.4/46

All: -0.010+/-0.012 χ^2/NDF: 111.4/88



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: 78.329+/-0.019 χ^2/NDF: 404572.0/21

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

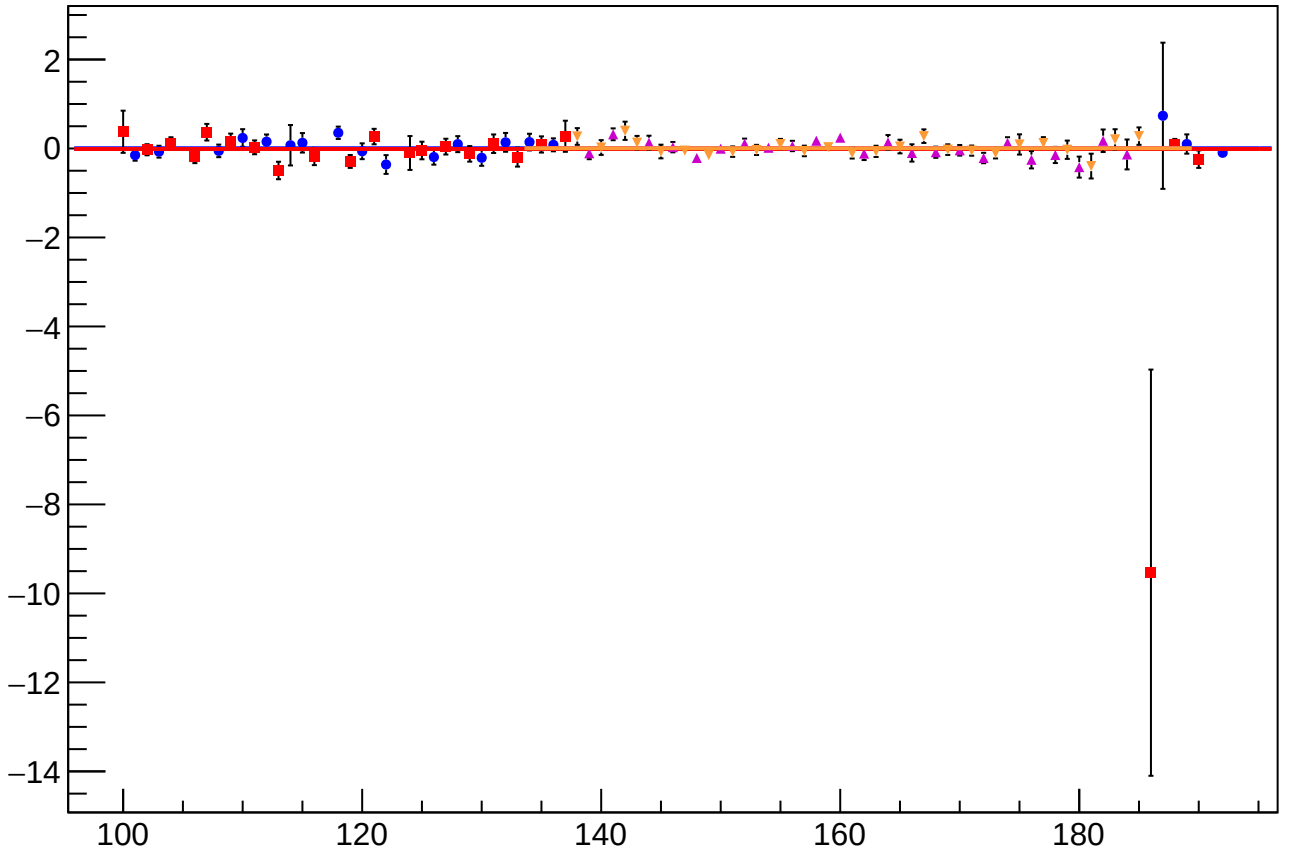
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 79.142+/-0.014 χ^2/NDF: 1006872.8/40

In: 81.904+/-0.012 χ^2/NDF:2184865.0/41

Out: 81.677+/-0.011 χ^2/NDF:2625434.3/46

All: 81.788+/-0.008 χ^2/NDF: 4810489.7/88



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: -0.011+/-0.038 χ^2/NDF: 30.2/21

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

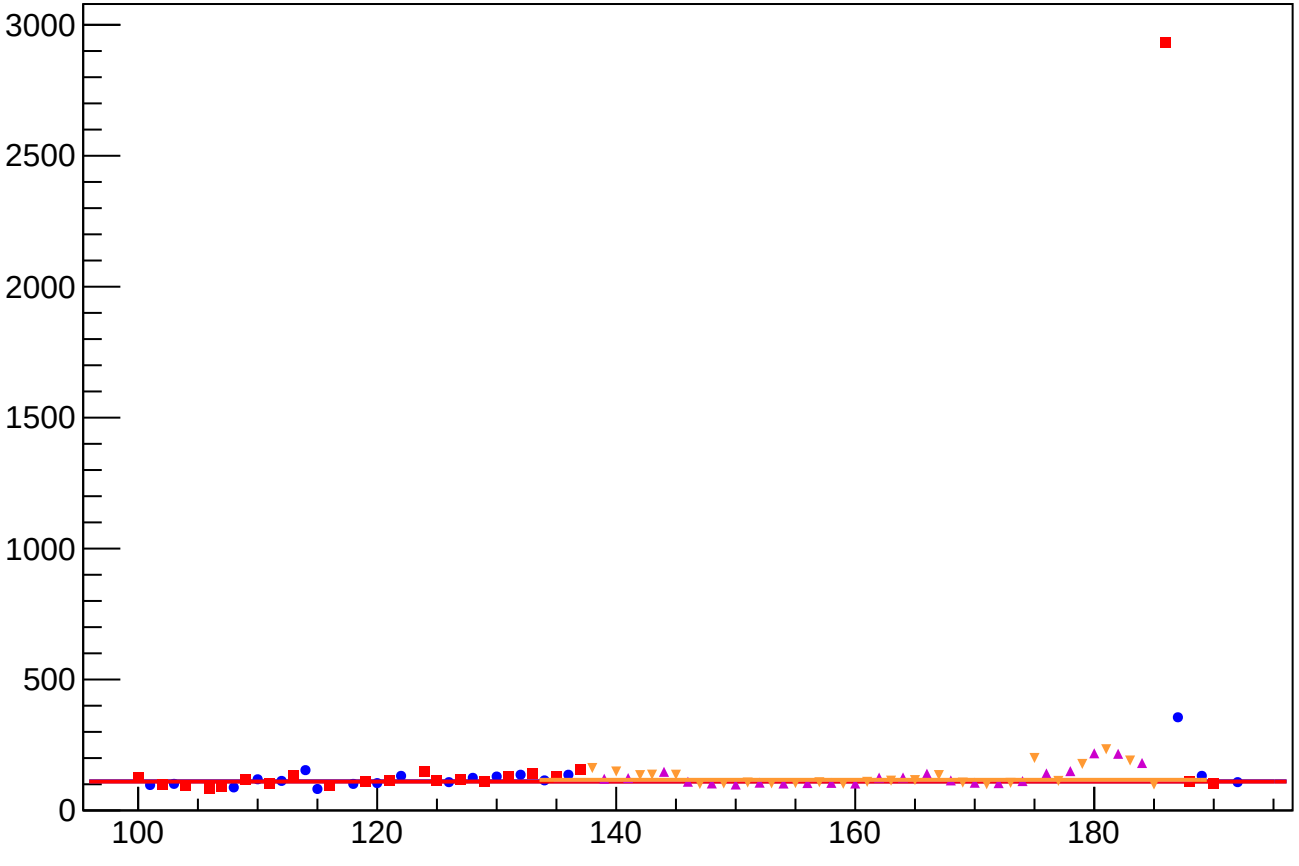
Right: -0.004+/-0.027 χ^2/NDF: 49.7/40

In: 0.008+/-0.023 χ^2/NDF:50.7/41

Out: 0.000+/-0.022 χ^2/NDF:51.6/46

All: 0.004+/-0.016 χ^2/NDF: 102.4/88

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: 110.315+/-0.027 χ^2/NDF: 1094392.0/21

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

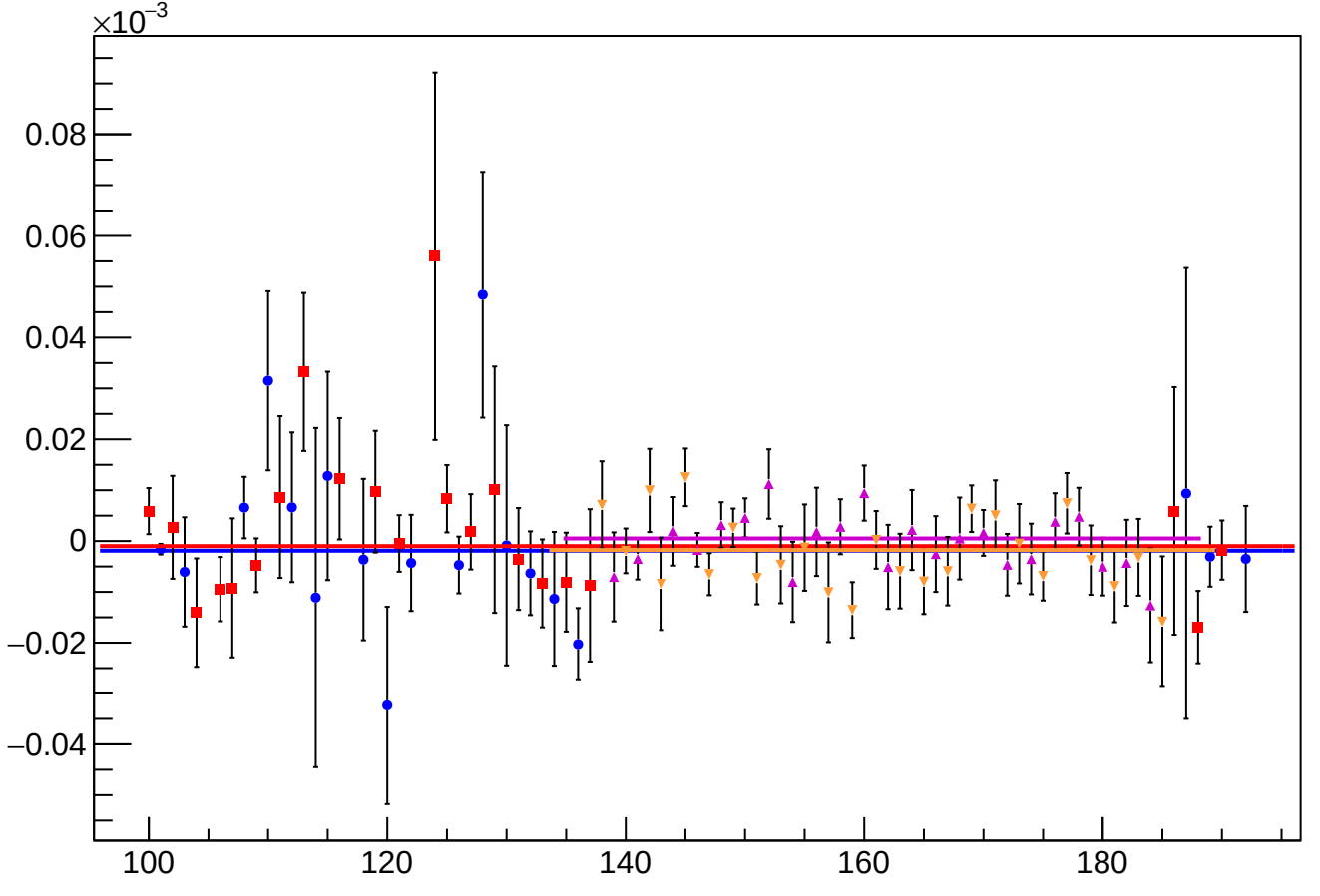
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 110.768+/-0.019 χ^2/NDF: 1459708.7/40

In: 114.269+/-0.016 χ^2/NDF:1614657.5/41

Out: 114.626+/-0.016 χ^2/NDF:2729710.9/46

All: 114.450+/-0.011 χ^2/NDF: 4344616.9/88



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: 25.4/21

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

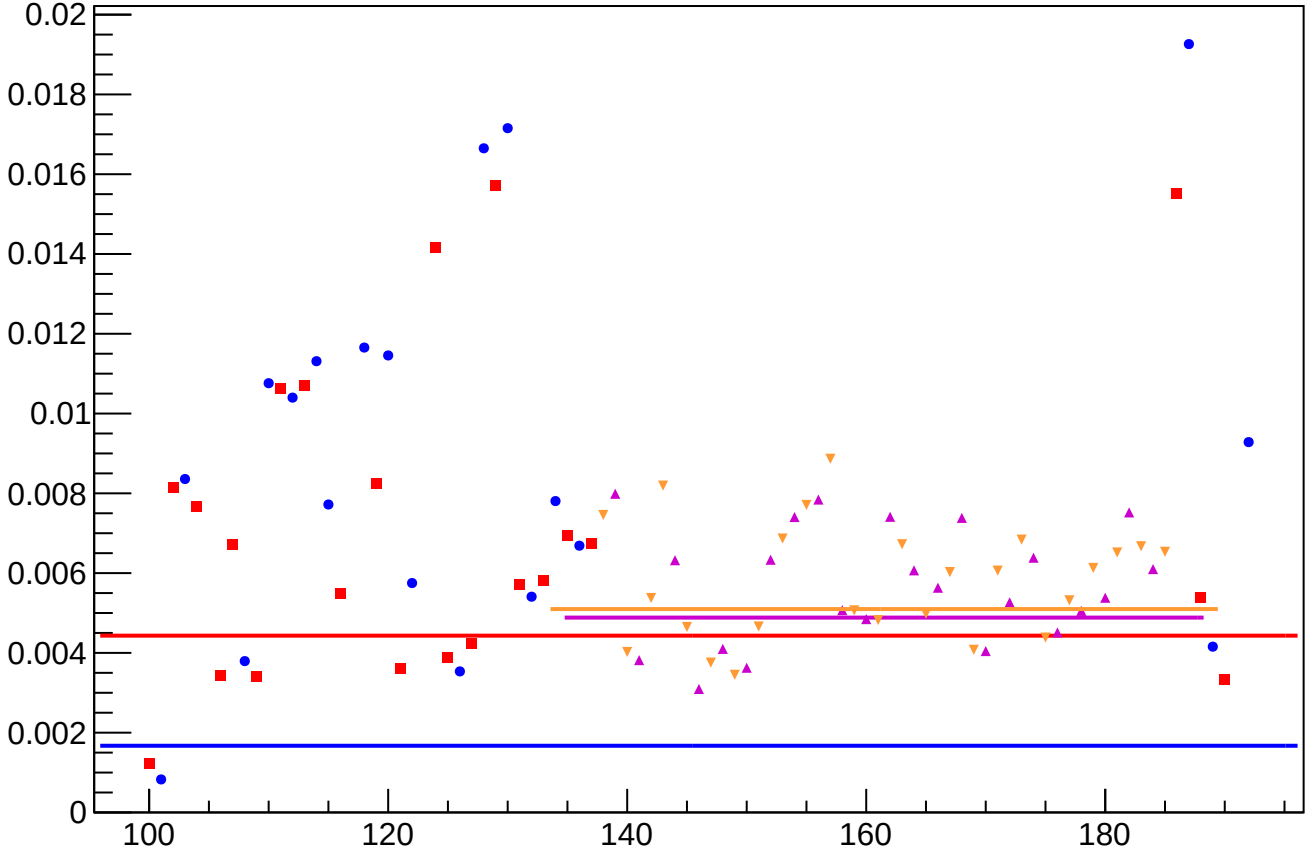
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 47.1/40

In: -0.000+/-0.000 χ^2/NDF:39.6/41

Out: -0.000+/-0.000 χ^2/NDF:56.6/46

All: -0.000+/-0.000 χ^2/NDF: 96.3/88



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: 0.004+/-0.000 χ^2/NDF: 3908687.8/21

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

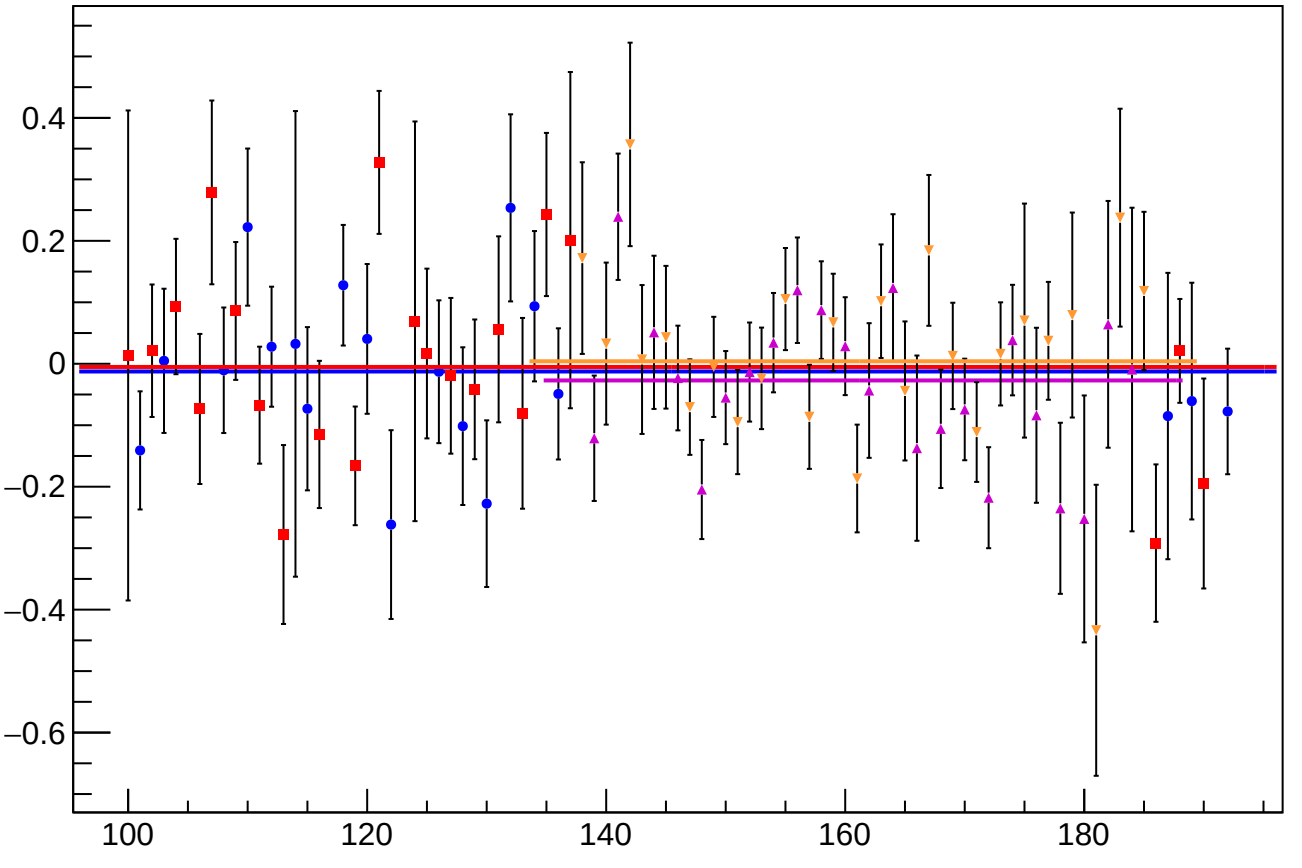
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.002+/-0.000 χ^2/NDF: 18689517.3/40

In: 0.003+/-0.000 χ^2/NDF:22543600.3/41

Out: 0.005+/-0.000 χ^2/NDF:6481067.6/46

All: 0.004+/-0.000 χ^2/NDF: 33967765.6/88



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: -0.005+/-0.027 χ^2/NDF: 32.2/21

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

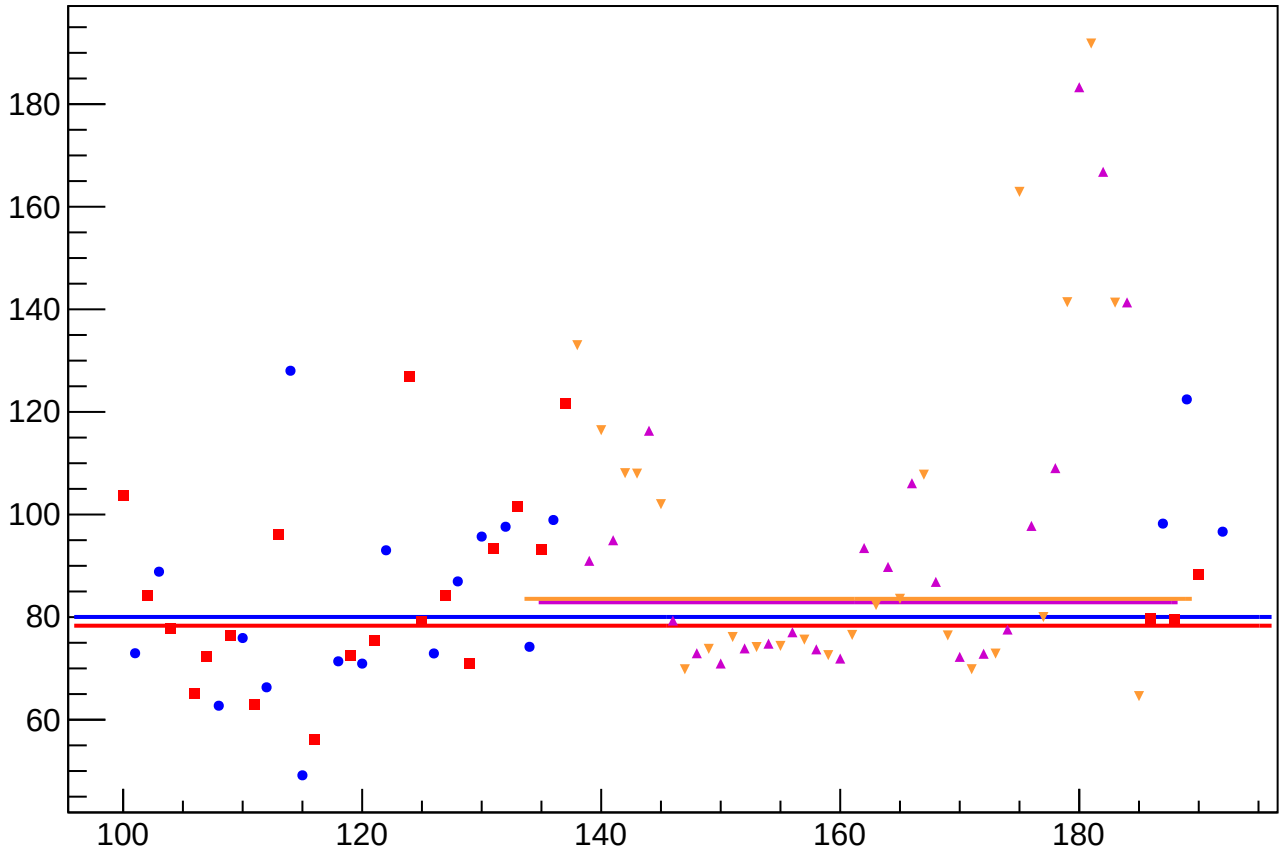
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.009+/-0.020 χ^2/NDF: 50.1/40

In: -0.022+/-0.017 χ^2/NDF:50.1/41

Out: 0.001+/-0.016 χ^2/NDF:60.4/46

All: -0.010+/-0.012 χ^2/NDF: 111.4/88



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: 78.328+/-0.019 χ^2/NDF: 404572.4/21

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

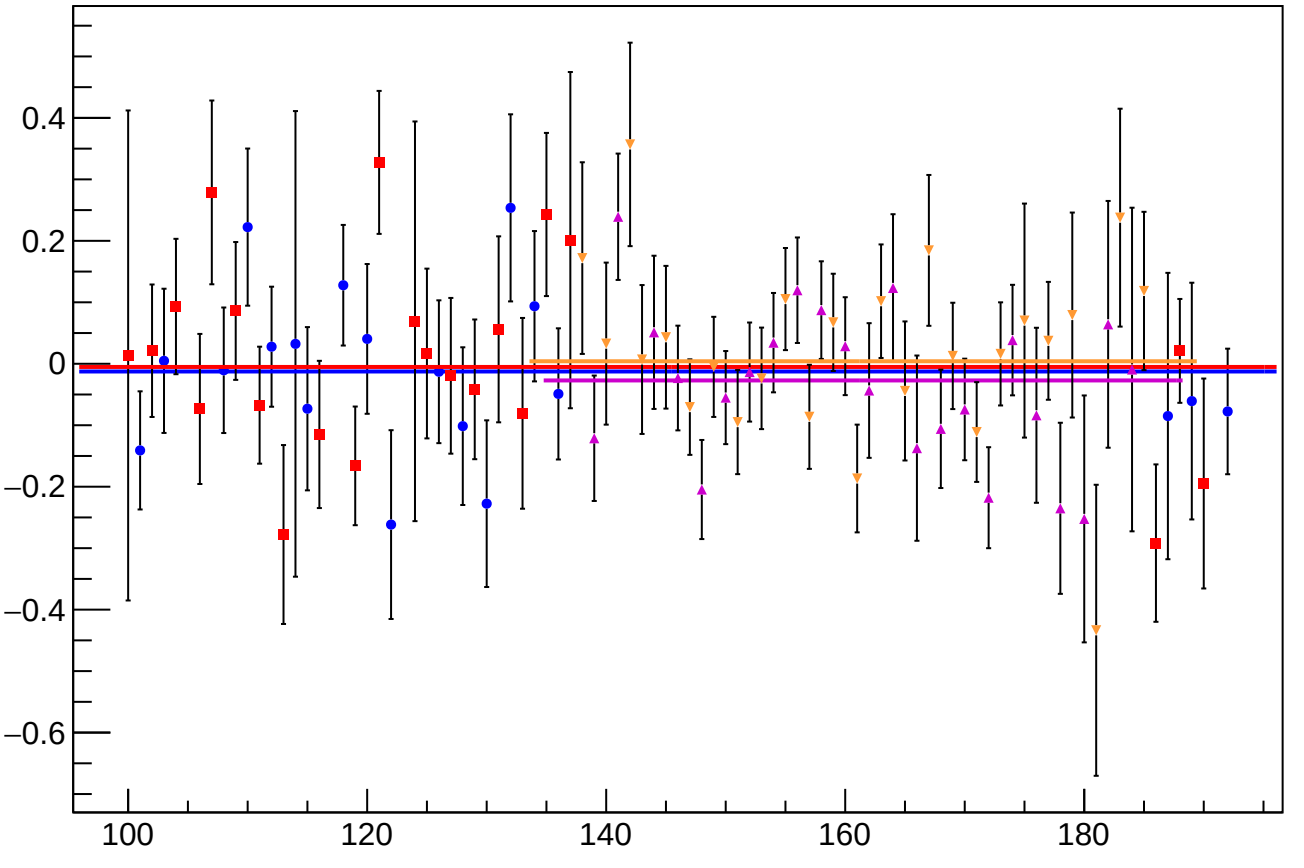
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 79.141+/-0.014 χ^2/NDF: 1006892.8/40

In: 81.904+/-0.012 χ^2/NDF:2184880.3/41

Out: 81.677+/-0.011 χ^2/NDF:2625462.6/46

All: 81.788+/-0.008 χ^2/NDF: 4810533.2/88



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: -0.005+/-0.027 χ^2/NDF: 32.2/21

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

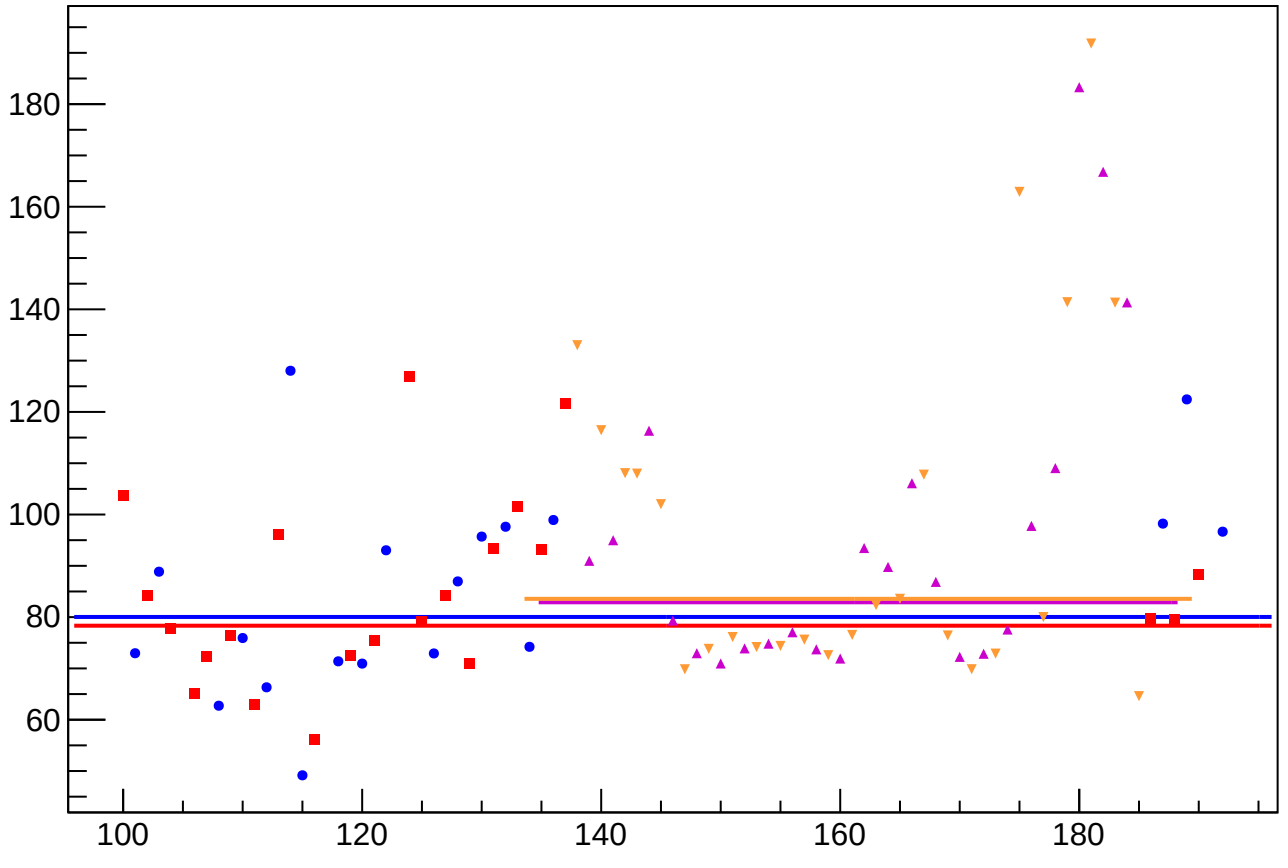
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.009+/-0.020 χ^2/NDF: 50.1/40

In: -0.022+/-0.017 χ^2/NDF:50.1/41

Out: 0.001+/-0.016 χ^2/NDF:60.4/46

All: -0.010+/-0.012 χ^2/NDF: 111.4/88



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: 78.328+/-0.019 χ^2/NDF: 404572.4/21

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

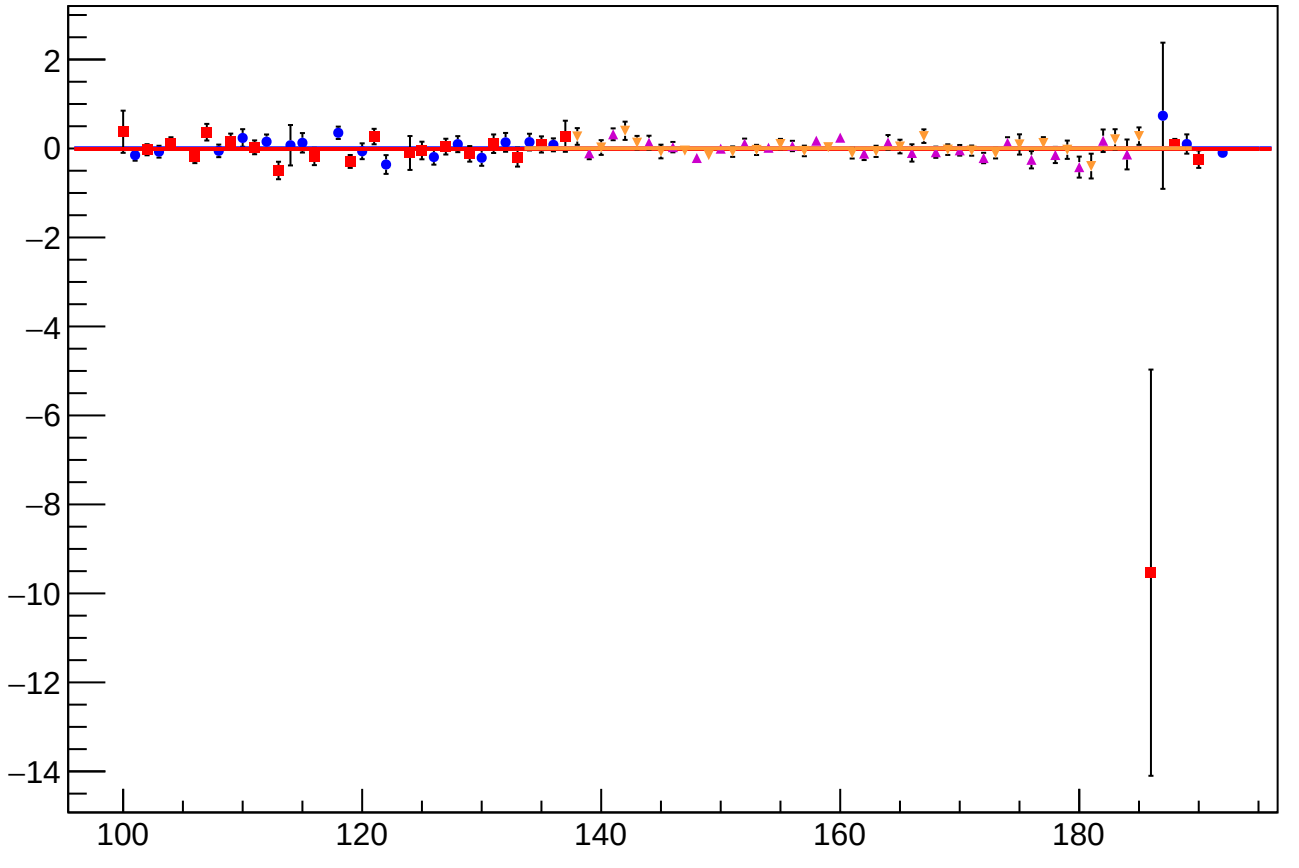
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 79.141+/-0.014 χ^2/NDF: 1006892.8/40

In: 81.904+/-0.012 χ^2/NDF:2184880.3/41

Out: 81.677+/-0.011 χ^2/NDF:2625462.6/46

All: 81.788+/-0.008 χ^2/NDF: 4810533.2/88



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: -0.011+/-0.038 χ^2/NDF: 30.2/21

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

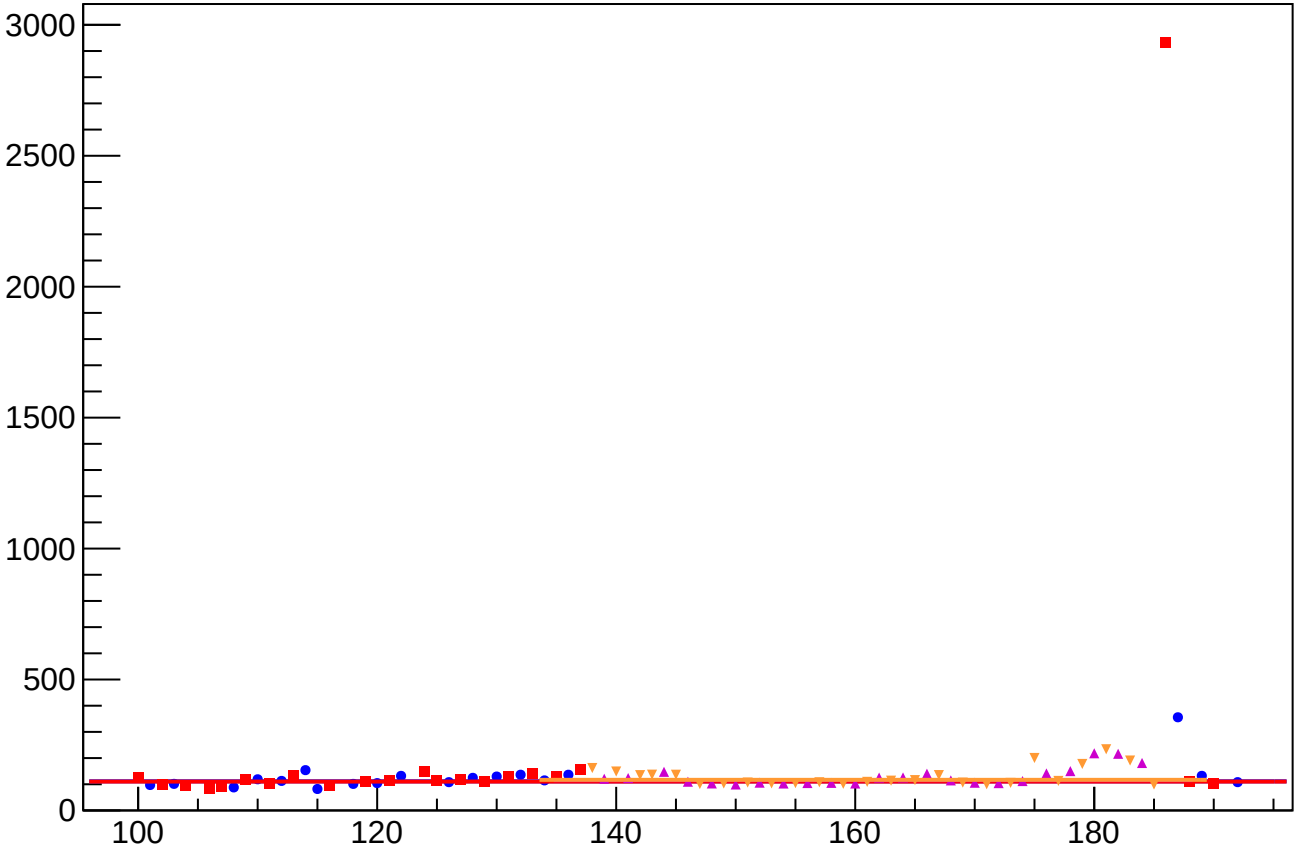
Right: -0.004+/-0.027 χ^2/NDF: 49.7/40

In: 0.008+/-0.023 χ^2/NDF:50.7/41

Out: 0.000+/-0.022 χ^2/NDF:51.6/46

All: 0.004+/-0.016 χ^2/NDF: 102.4/88

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: 110.315+/-0.027 χ^2/NDF: 1094362.9/21

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

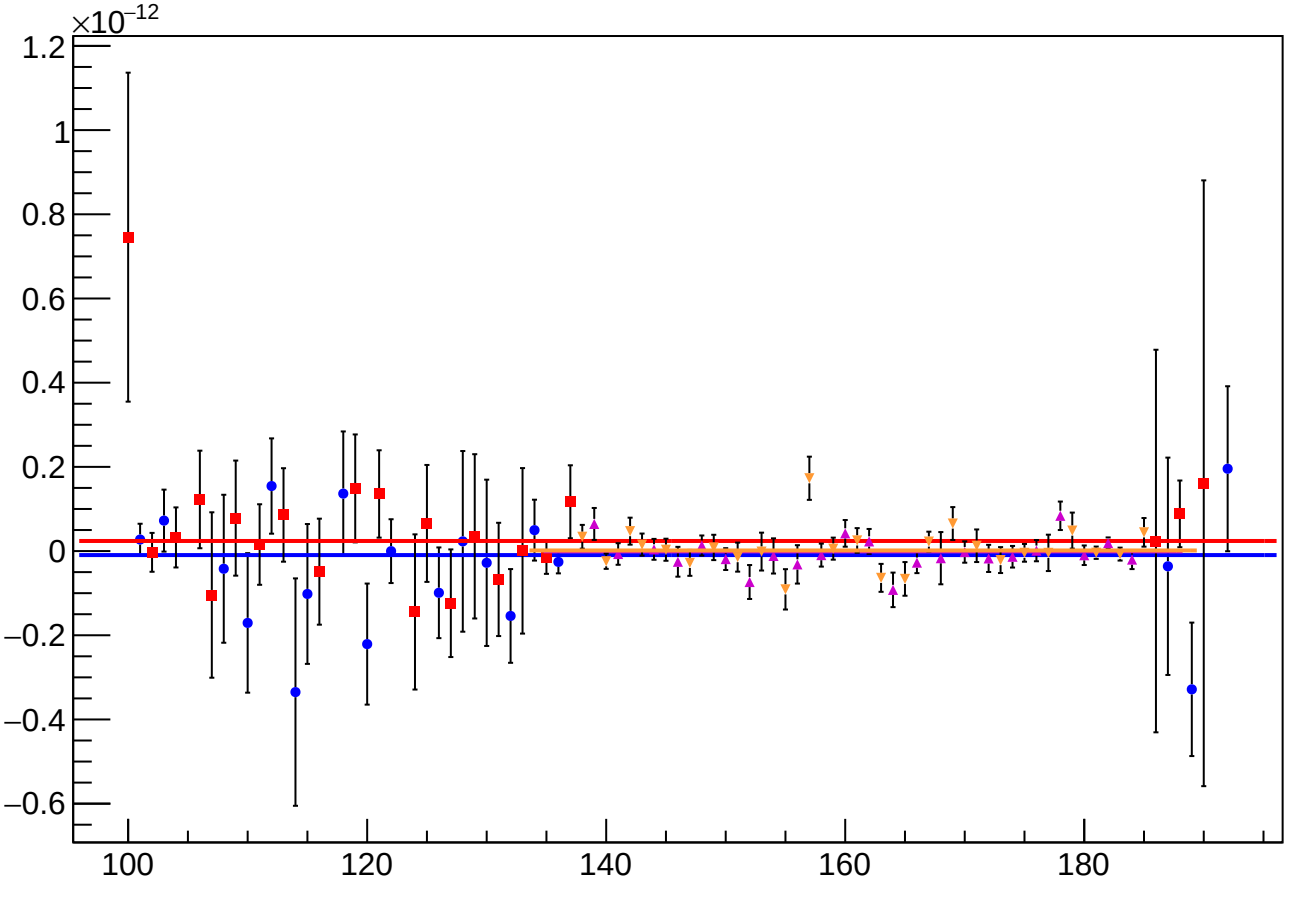
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 110.767+/-0.019 χ^2/NDF: 1459657.9/40

In: 114.269+/-0.016 χ^2/NDF:1614636.5/41

Out: 114.627+/-0.016 χ^2/NDF:2729688.4/46

All: 114.450+/-0.011 χ^2/NDF: 4344573.7/88



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: 13.3/21

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

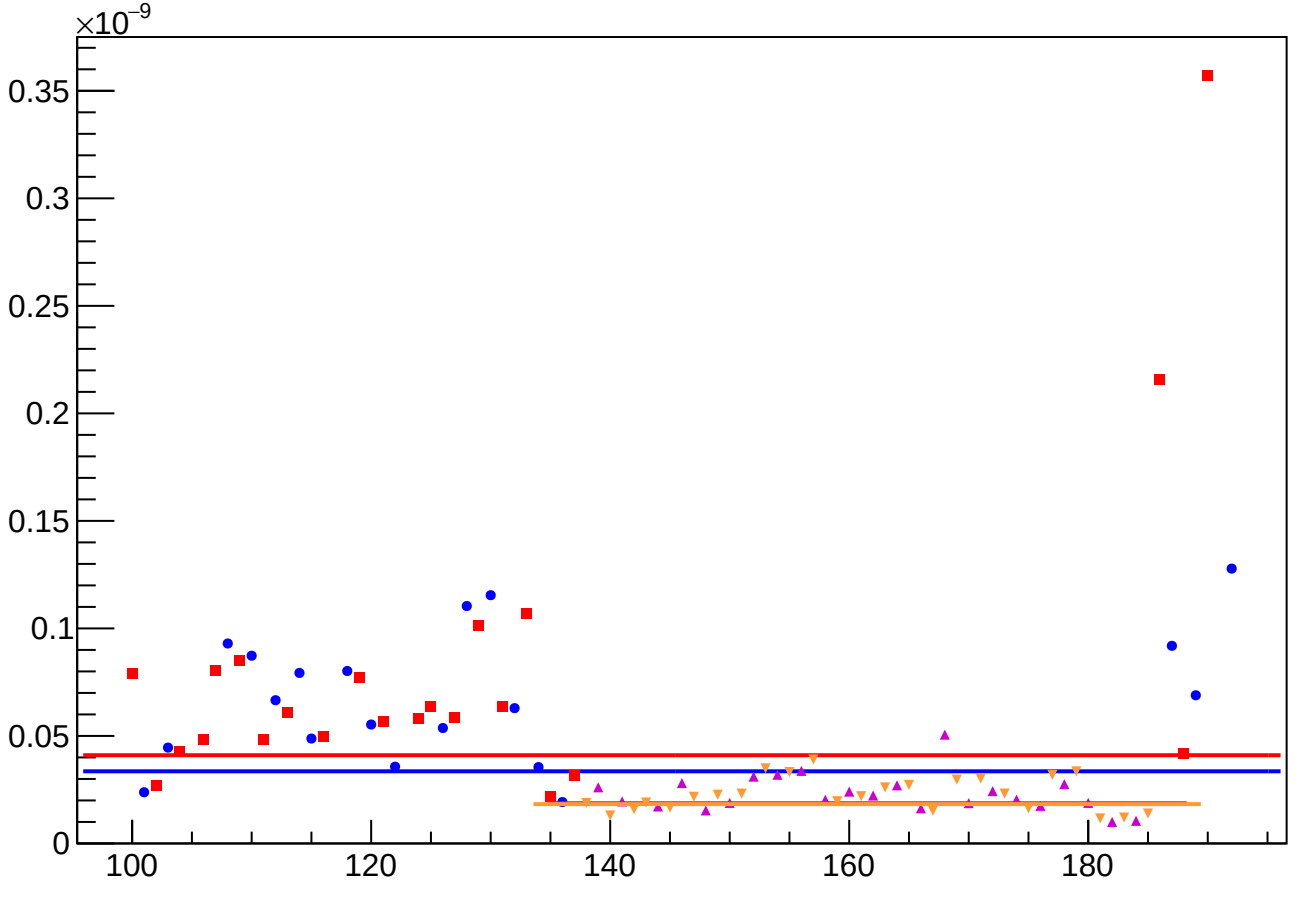
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 33.7/40

In: -0.000+/-0.000 χ^2/NDF:45.8/41

Out: 0.000+/-0.000 χ^2/NDF:51.1/46

All: 0.000+/-0.000 χ^2/NDF: 97.2/88



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: 2550374.3/21

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

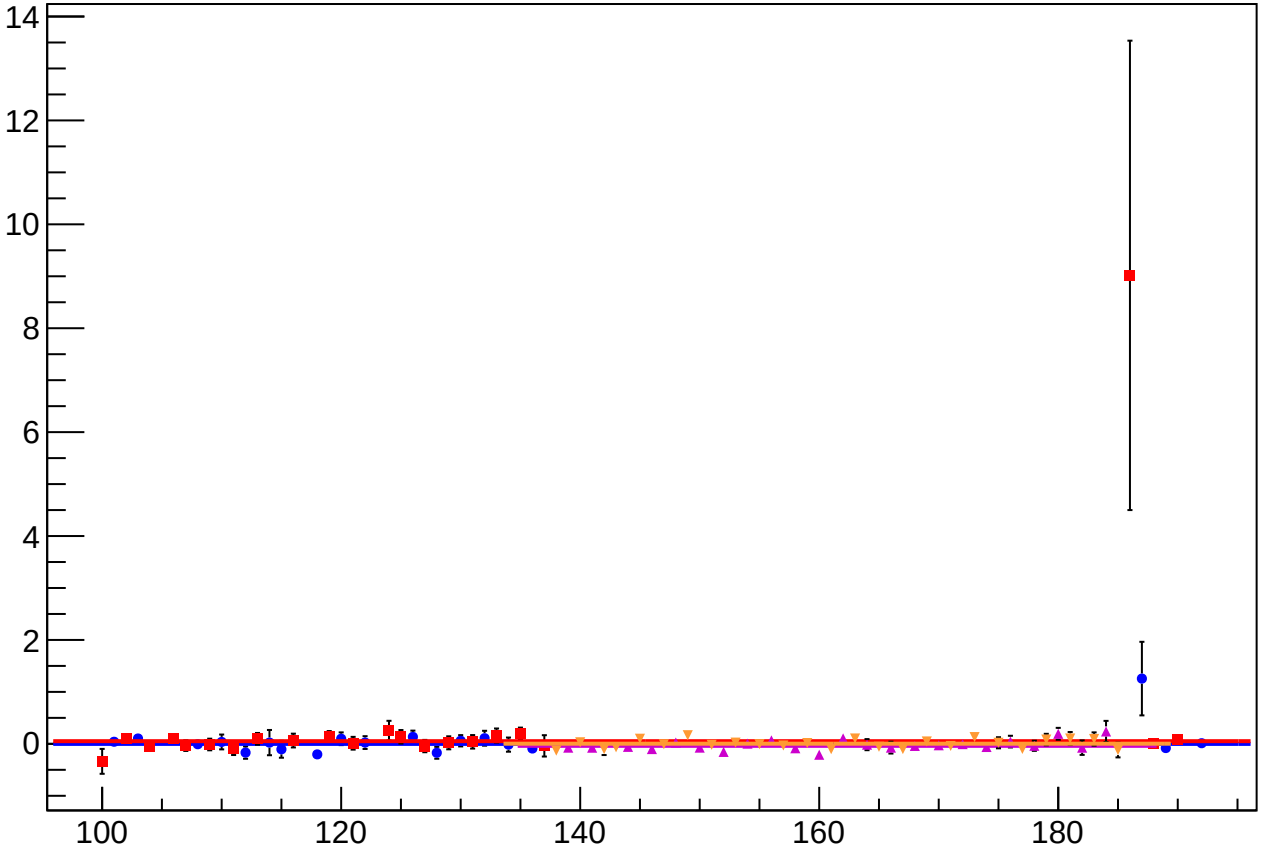
Right: 0.000+/-0.000 χ^2/NDF: 5842127.3/40

In: 0.000+/-0.000 χ^2/NDF:7328555.5/41

Out: 0.000+/-0.000 χ^2/NDF:7905613.0/46

All: 0.000+/-0.000 χ^2/NDF: 15236684.7/88

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: 0.051+/-0.022 χ^2/NDF: 19.4/21

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

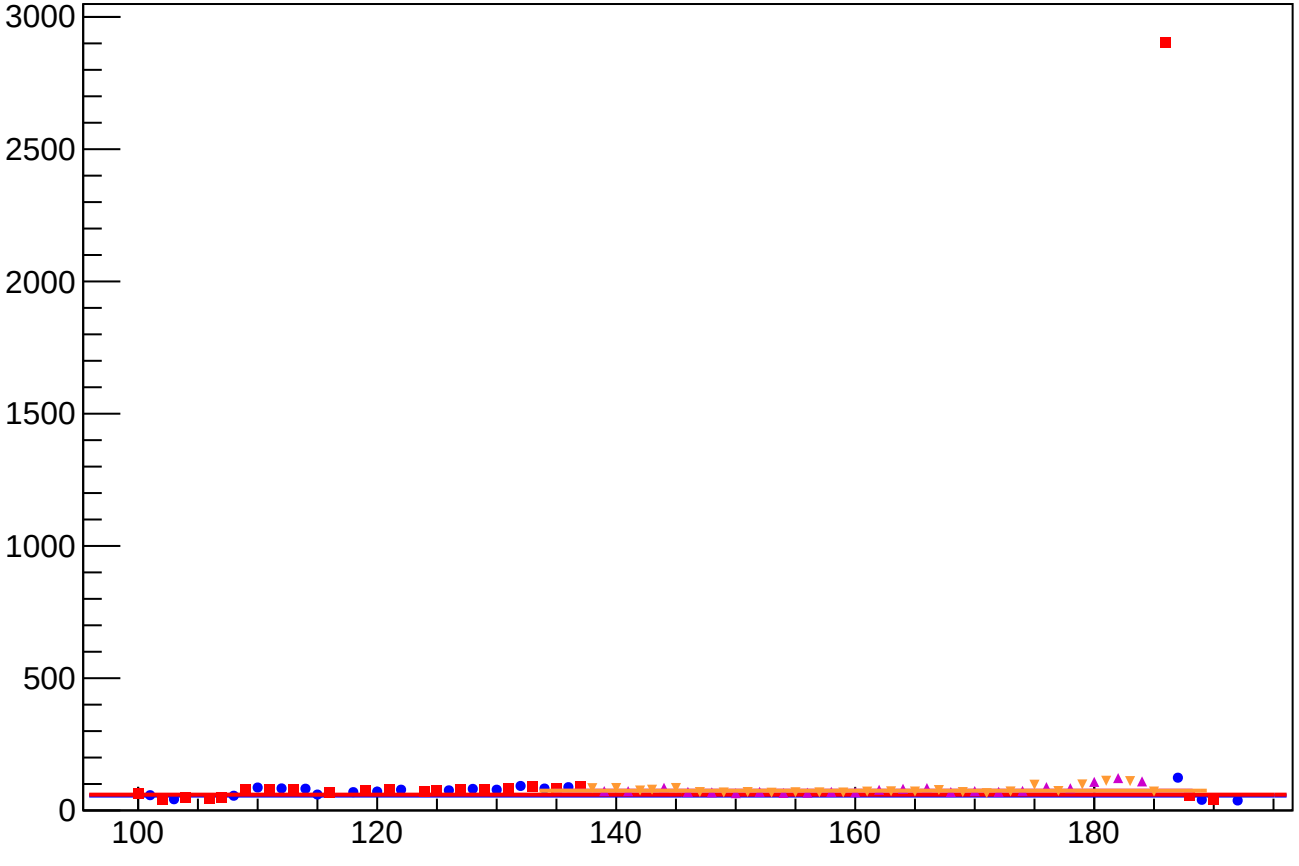
Right: 0.024+/-0.015 χ^2/NDF: 43.9/40

In: -0.022+/-0.013 χ^2/NDF:45.0/41

Out: 0.022+/-0.014 χ^2/NDF:43.9/46

All: -0.000+/-0.010 χ^2/NDF: 94.2/88

asym_usr_overload_cor_vs_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: 59.763+/-0.015 χ^2/NDF: 2087154.8/21

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

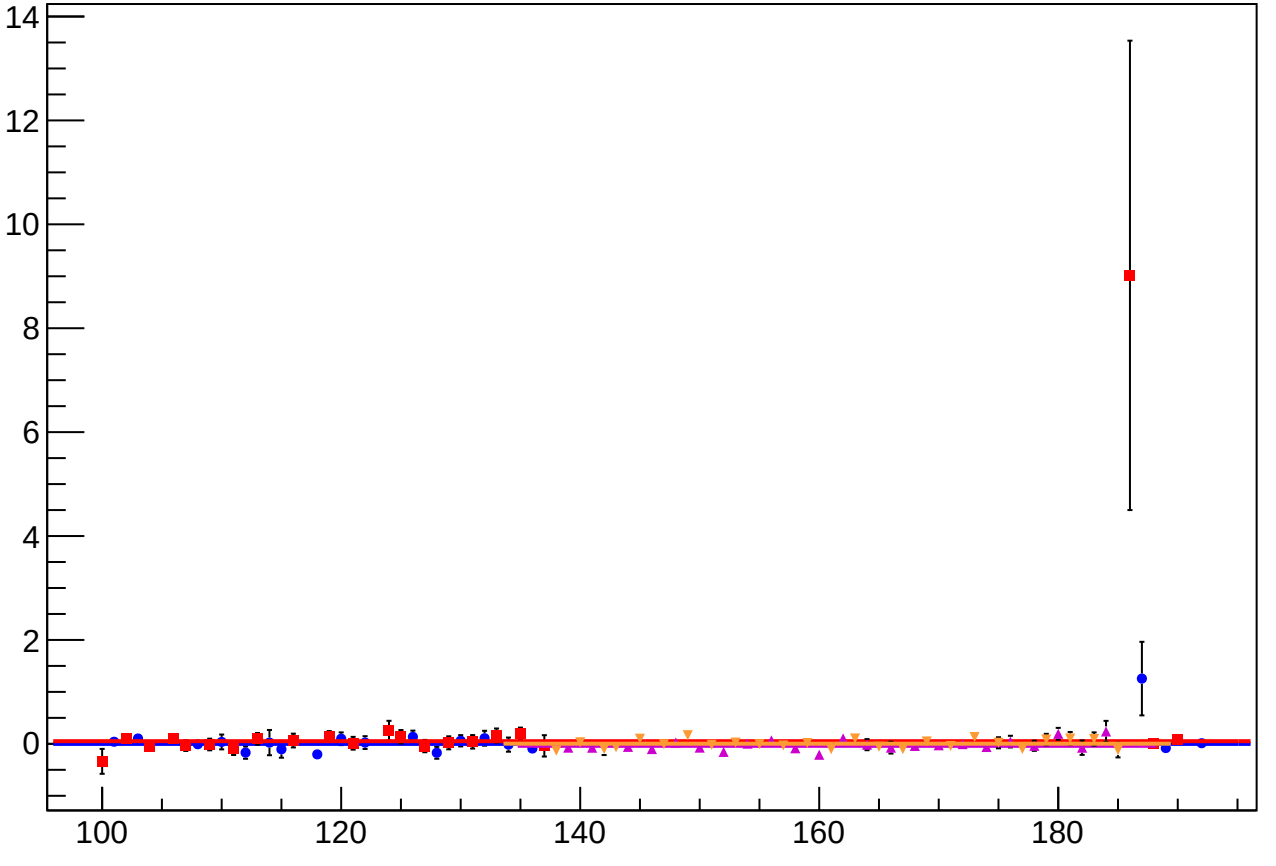
Right: 57.899+/-0.011 χ^2/NDF: 3845629.9/40

In: 66.659+/-0.010 χ^2/NDF:3357552.0/41

Out: 68.835+/-0.010 χ^2/NDF:3415226.7/46

All: 67.740+/-0.007 χ^2/NDF: 6798699.1/88

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: 0.051+/-0.022 χ^2/NDF: 19.4/21

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

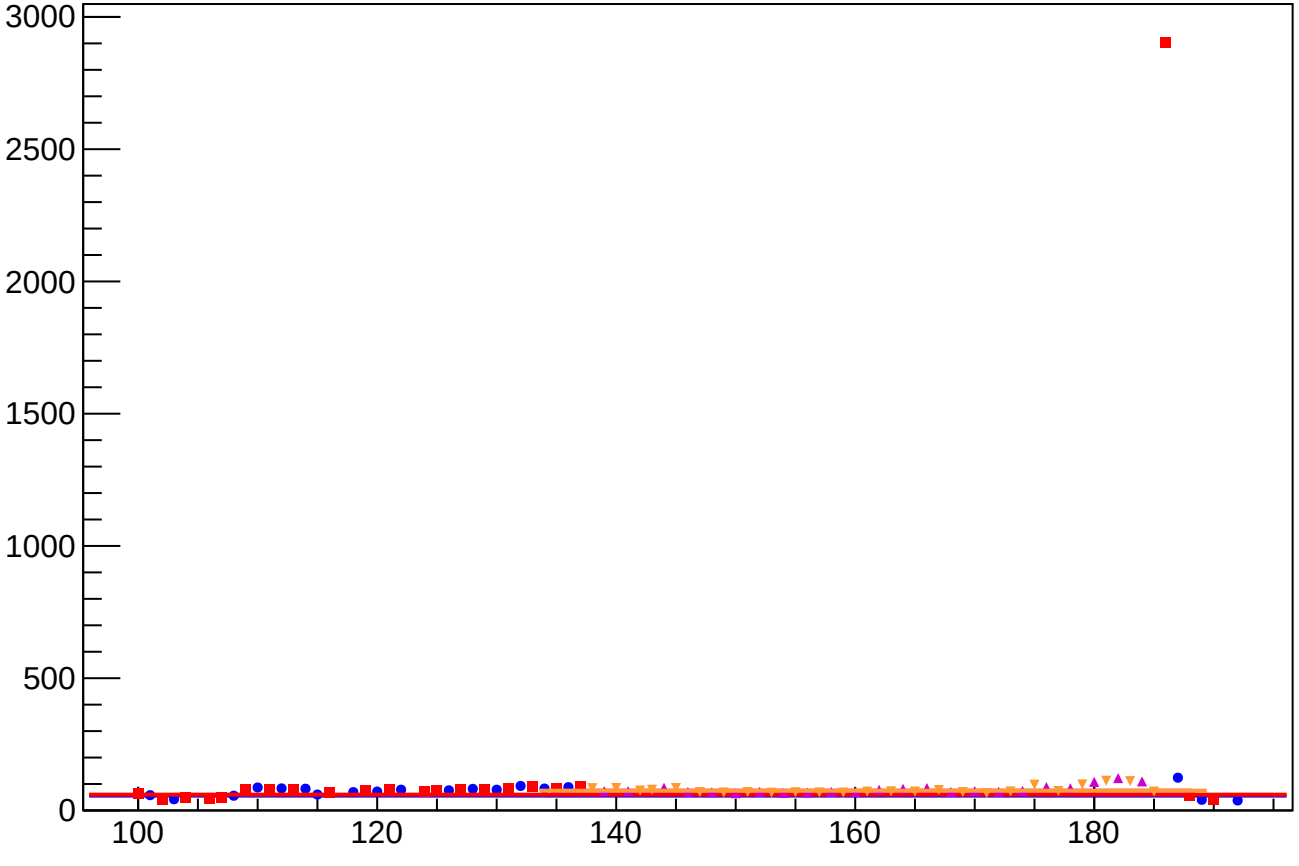
Right: 0.024+/-0.015 χ^2/NDF: 43.9/40

In: -0.022+/-0.013 χ^2/NDF:45.0/41

Out: 0.022+/-0.014 χ^2/NDF:43.9/46

All: -0.000+/-0.010 χ^2/NDF: 94.2/88

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: 59.763+/-0.015 χ^2/NDF: 2087154.8/21

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

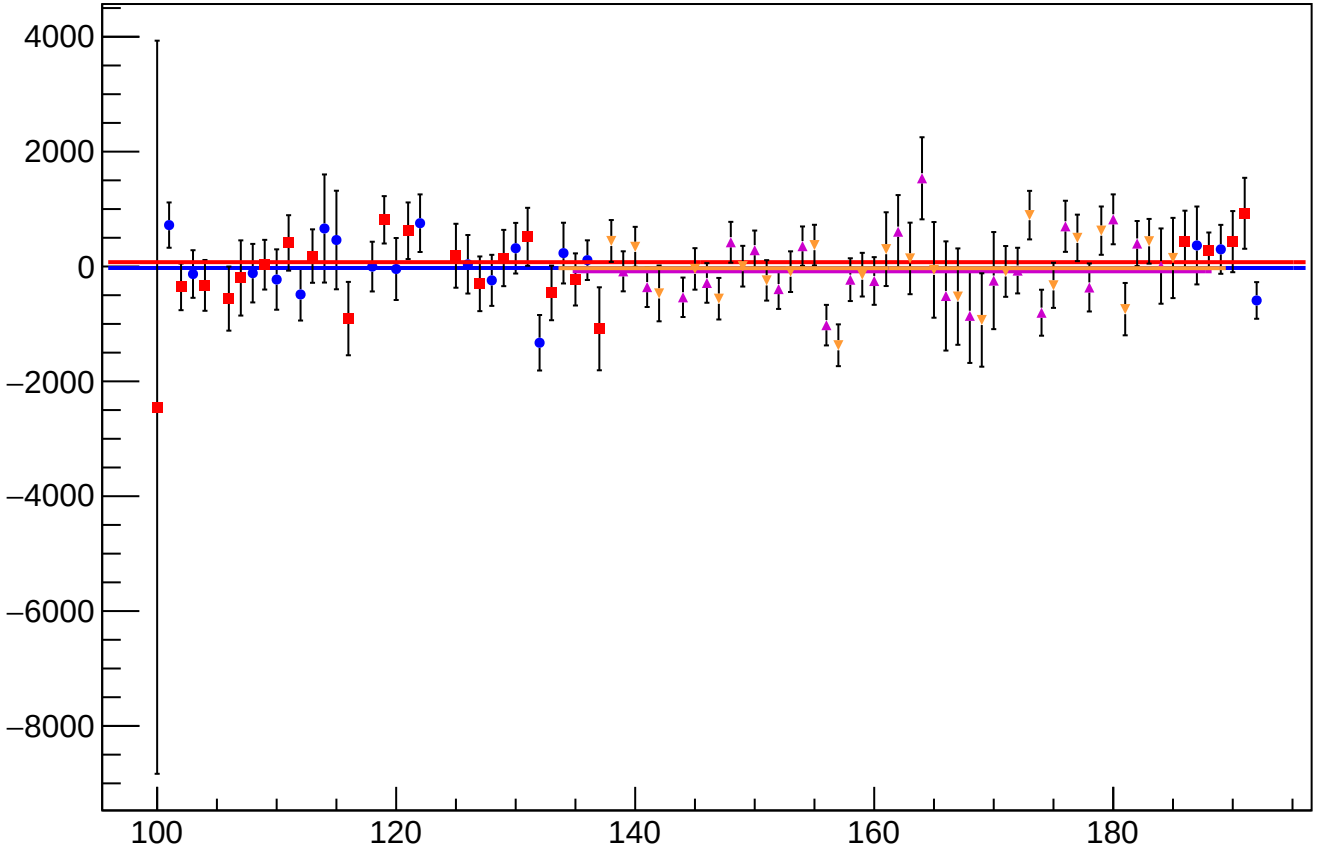
Right: 57.899+/-0.011 χ^2/NDF: 3845629.9/40

In: 66.659+/-0.010 χ^2/NDF:3357552.0/41

Out: 68.835+/-0.010 χ^2/NDF:3415226.7/46

All: 67.740+/-0.007 χ^2/NDF: 6798699.1/88

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: 75.326+/-105.259 χ^2/NDF: 19.9/21

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

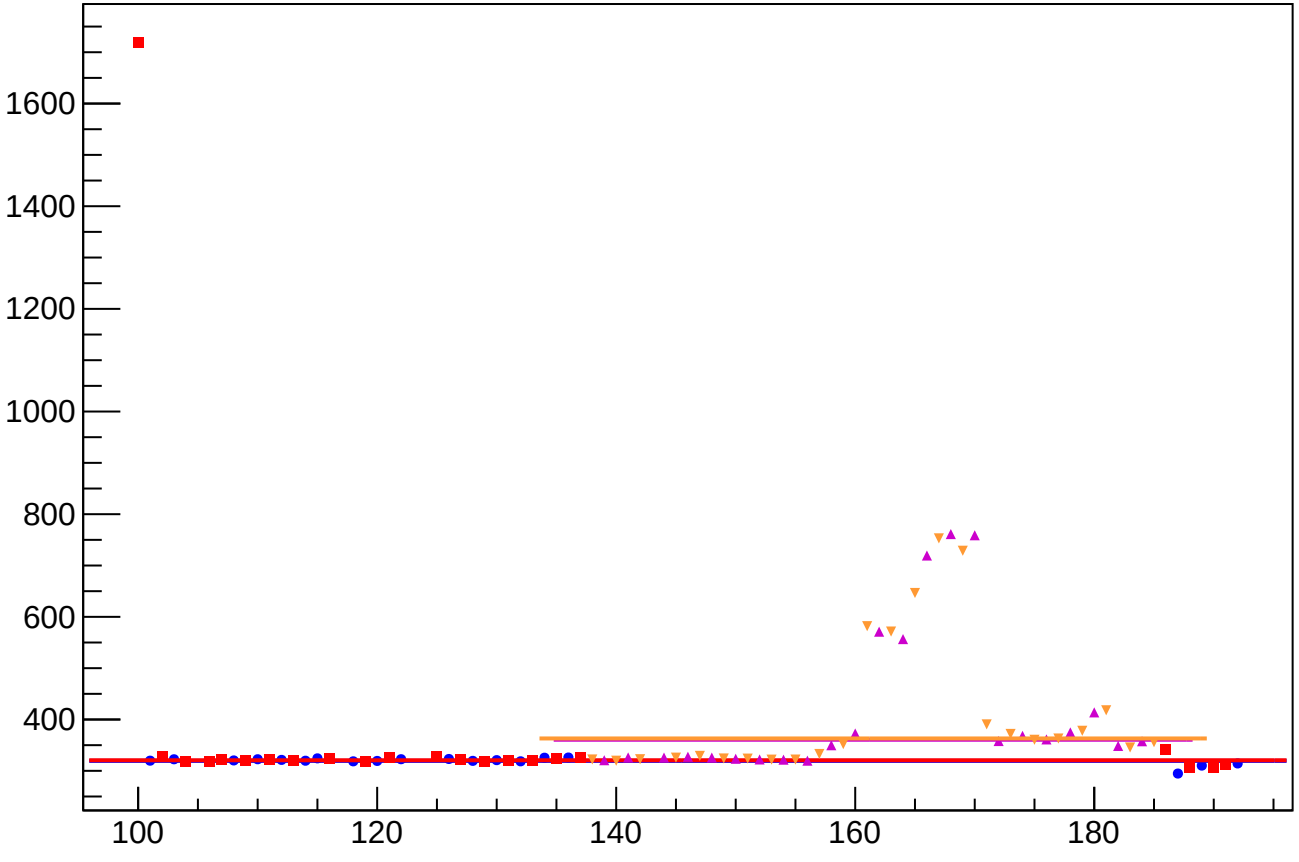
Right: 25.423+/-74.980 χ^2/NDF: 41.1/40

In: -60.866+/-67.216 χ^2/NDF:56.7/41

Out: 12.865+/-66.843 χ^2/NDF:57.0/45

All: -23.796+/-47.396 χ^2/NDF: 114.4/87

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: 320.572+/-0.074 χ^2/NDF: 106025.0/21

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

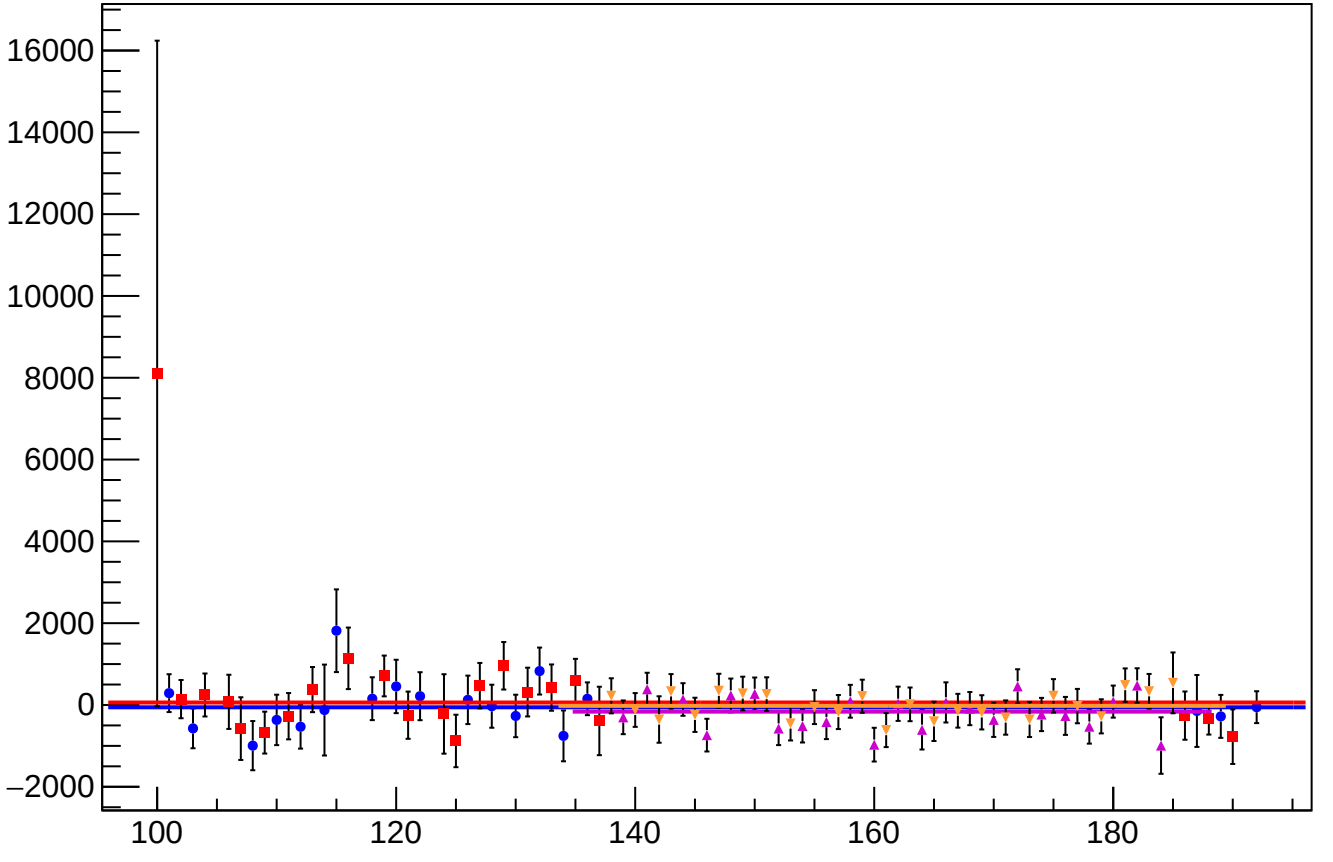
Right: 320.000+/-0.053 χ^2/NDF: 111723.4/40

In: 344.287+/-0.048 χ^2/NDF:2002749.8/41

Out: 345.937+/-0.047 χ^2/NDF:2096229.3/45

All: 345.117+/-0.034 χ^2/NDF: 4099585.4/87

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: 60.649+/-125.520 χ^2/NDF: 18.6/21

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

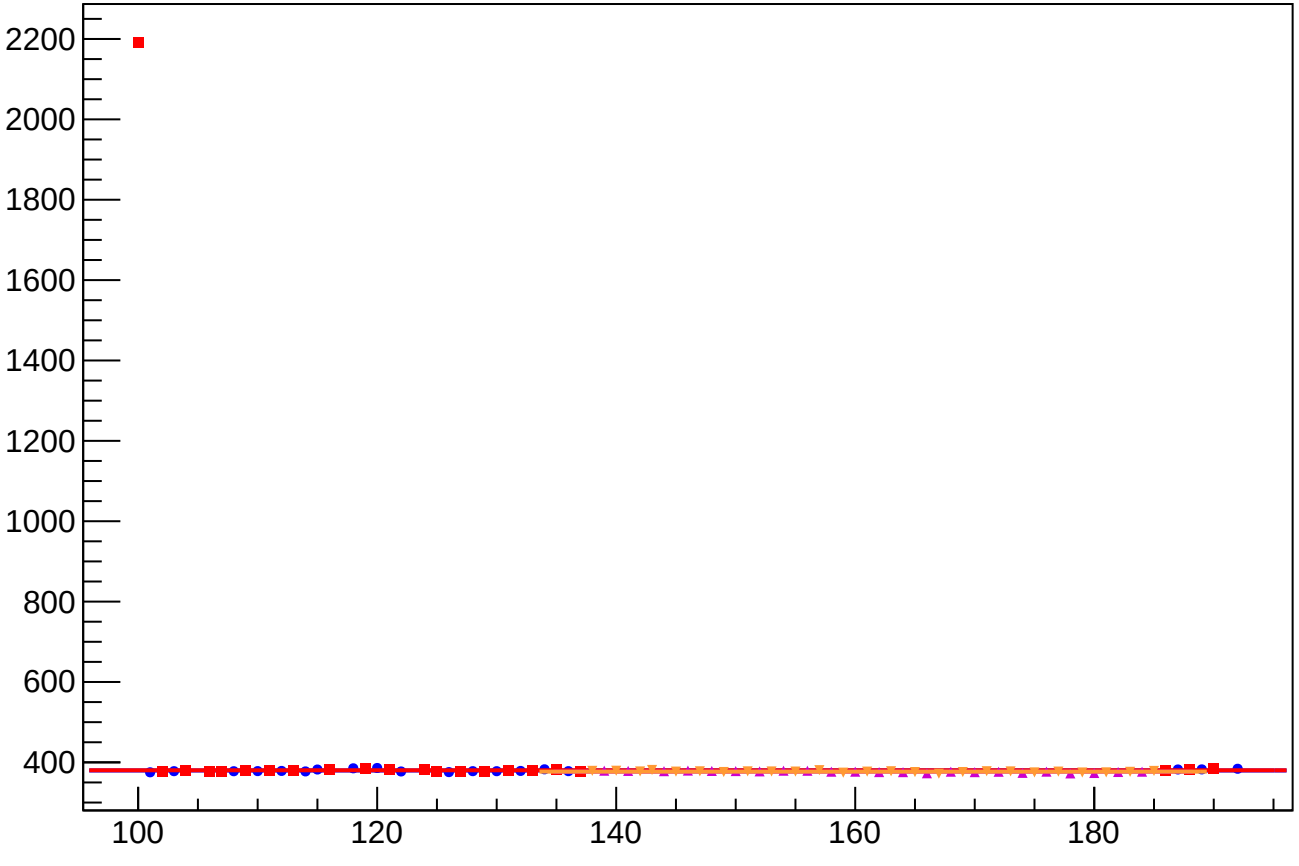
Right: 2.635+/-89.272 χ^2/NDF: 32.9/40

In: -128.531+/-72.327 χ^2/NDF:36.2/41

Out: 4.885+/-70.731 χ^2/NDF:31.4/46

All: -60.335+/-50.569 χ^2/NDF: 69.4/88

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: 380.317+/-0.089 χ^2/NDF: 99799.1/21

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

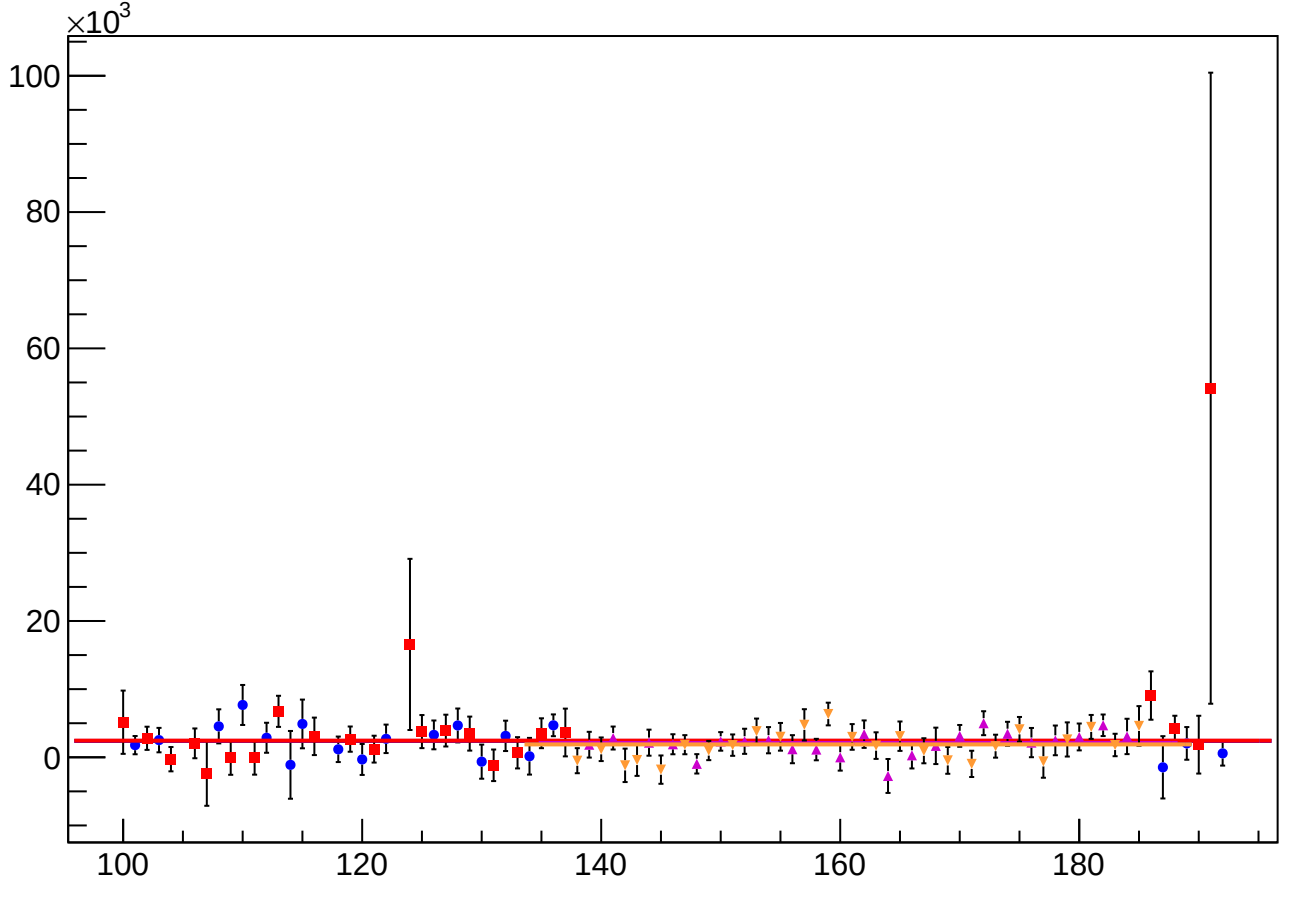
Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

Right: 380.030+/-0.063 χ^2/NDF: 101057.8/40

In: 377.784+/-0.051 χ^2/NDF:3011.8/41

Out: 377.989+/-0.050 χ^2/NDF:101865.3/46

All: 377.889+/-0.036 χ^2/NDF: 104885.3/88



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: 2439.185+/-516.552 χ^2/NDF: 20.9/22

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

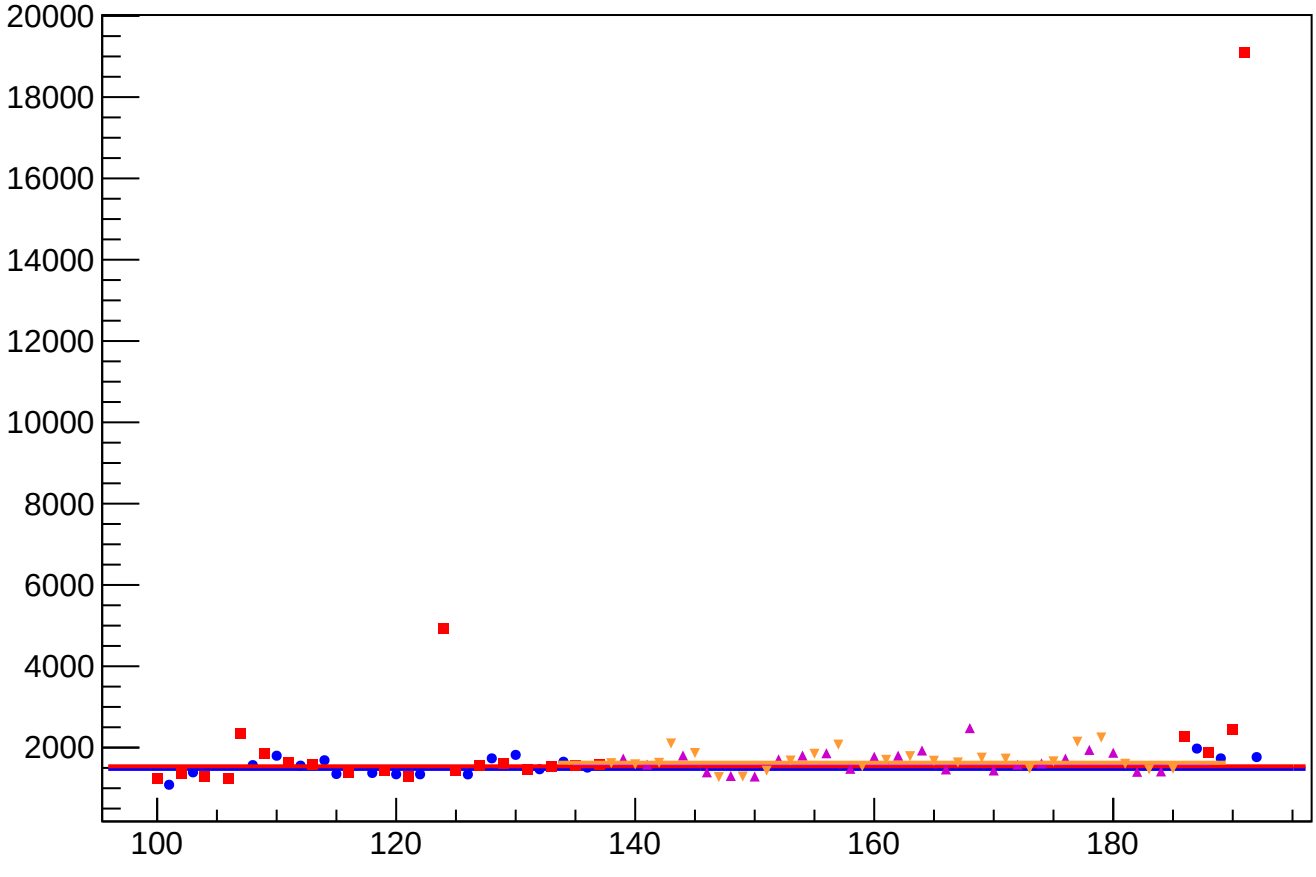
Right: 2418.802+/-359.566 χ^2/NDF: 35.1/41

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

Out: 2080.520+/-303.618 χ^2/NDF:50.0/47

All: 2146.847+/-214.202 χ^2/NDF: 83.1/89

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: 1539.644+/-0.365 χ^2/NDF: 924029.5/22

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

Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

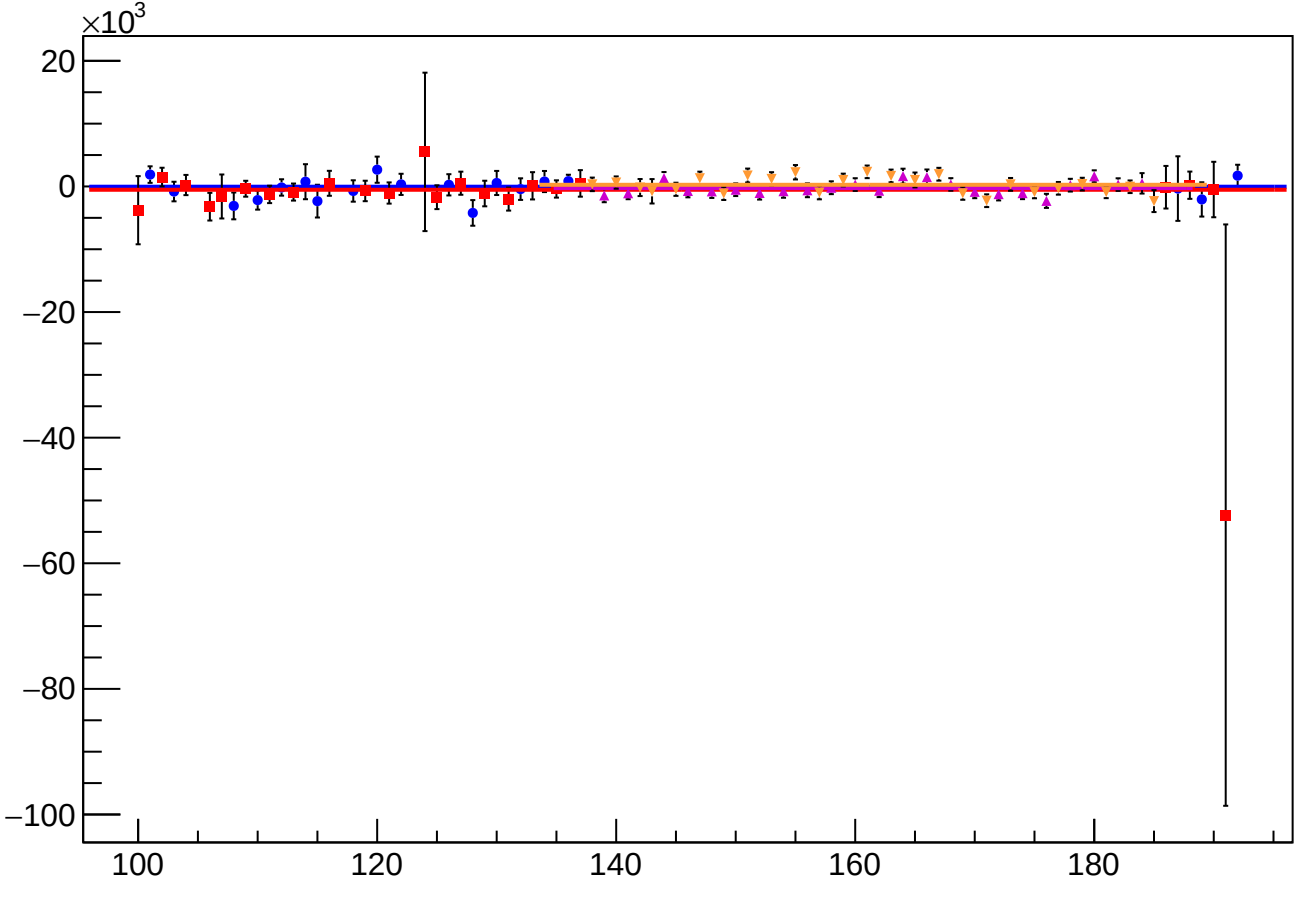
Right: 1506.695+/-0.254 χ^2/NDF: 1347480.7/41

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

Out: 1597.788+/-0.215 χ^2/NDF:1741840.3/47

All: 1576.643+/-0.151 χ^2/NDF: 3042738.3/89

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: -528.637+/-399.653 χ^2/NDF: 8.1/22

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

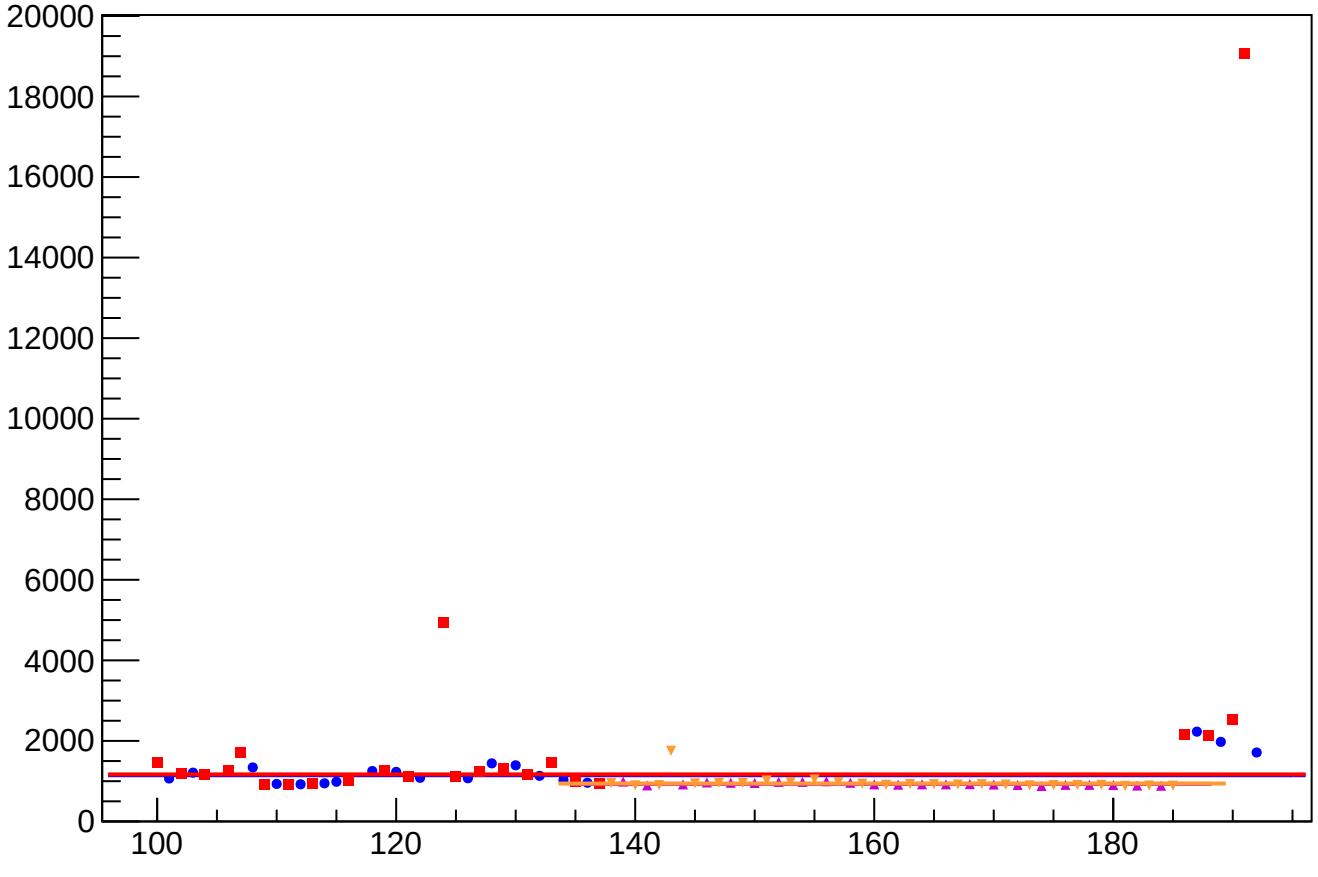
Right: -281.394+/-280.463 χ^2/NDF: 25.0/41

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

Out: 84.887+/-189.314 χ^2/NDF:45.1/47

All: -63.741+/-134.283 χ^2/NDF: 84.1/89

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: 1168.278+/-0.283 χ^2/NDF: 1613484.1/22

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

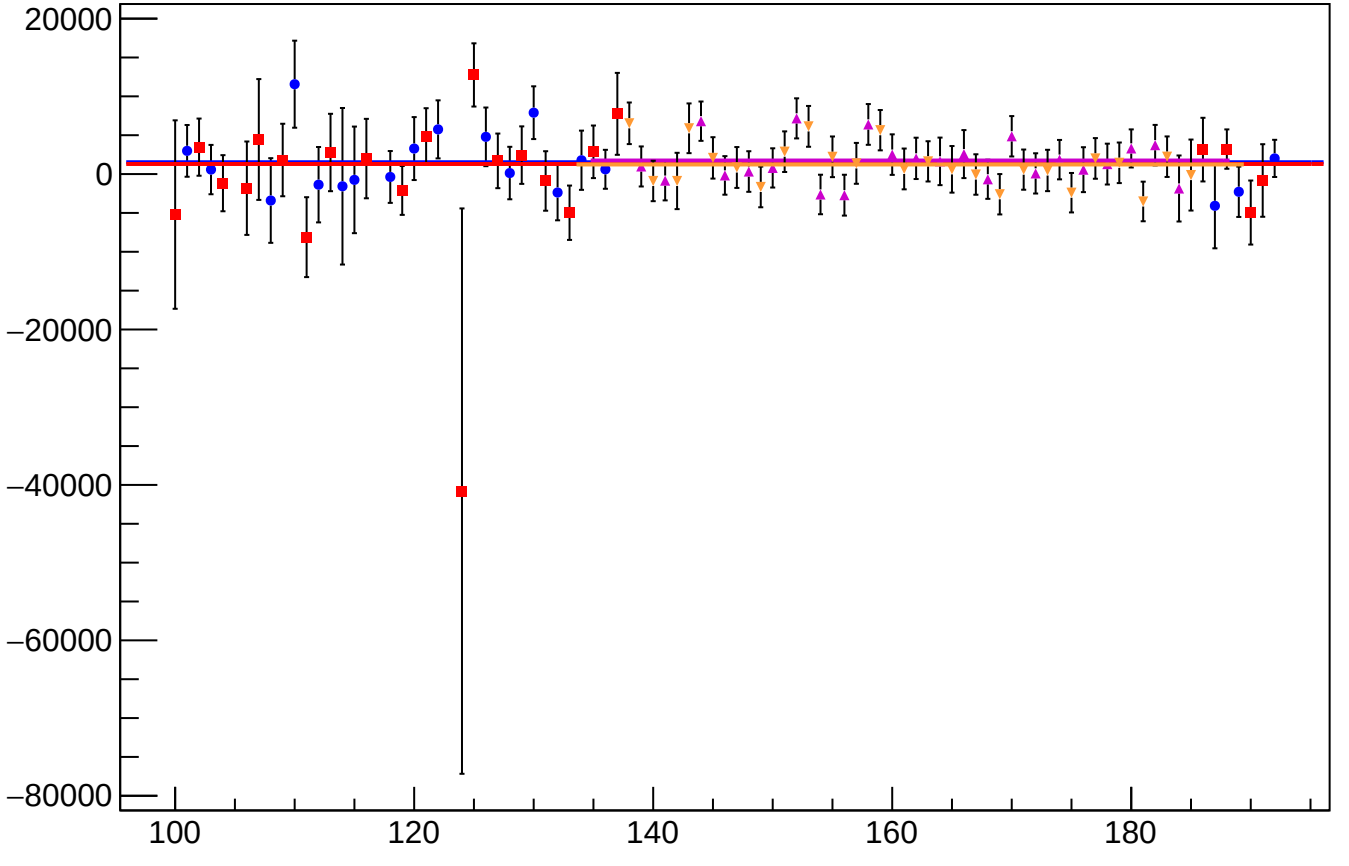
Right: 1157.937+/-0.198 χ^2/NDF: 2414774.0/41

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

Out: 992.009+/-0.134 χ^2/NDF:2532811.1/47

All: 987.145+/-0.095 χ^2/NDF: 3845584.2/89

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: 1298.176+/-860.438 χ^2/NDF: 25.1/22

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

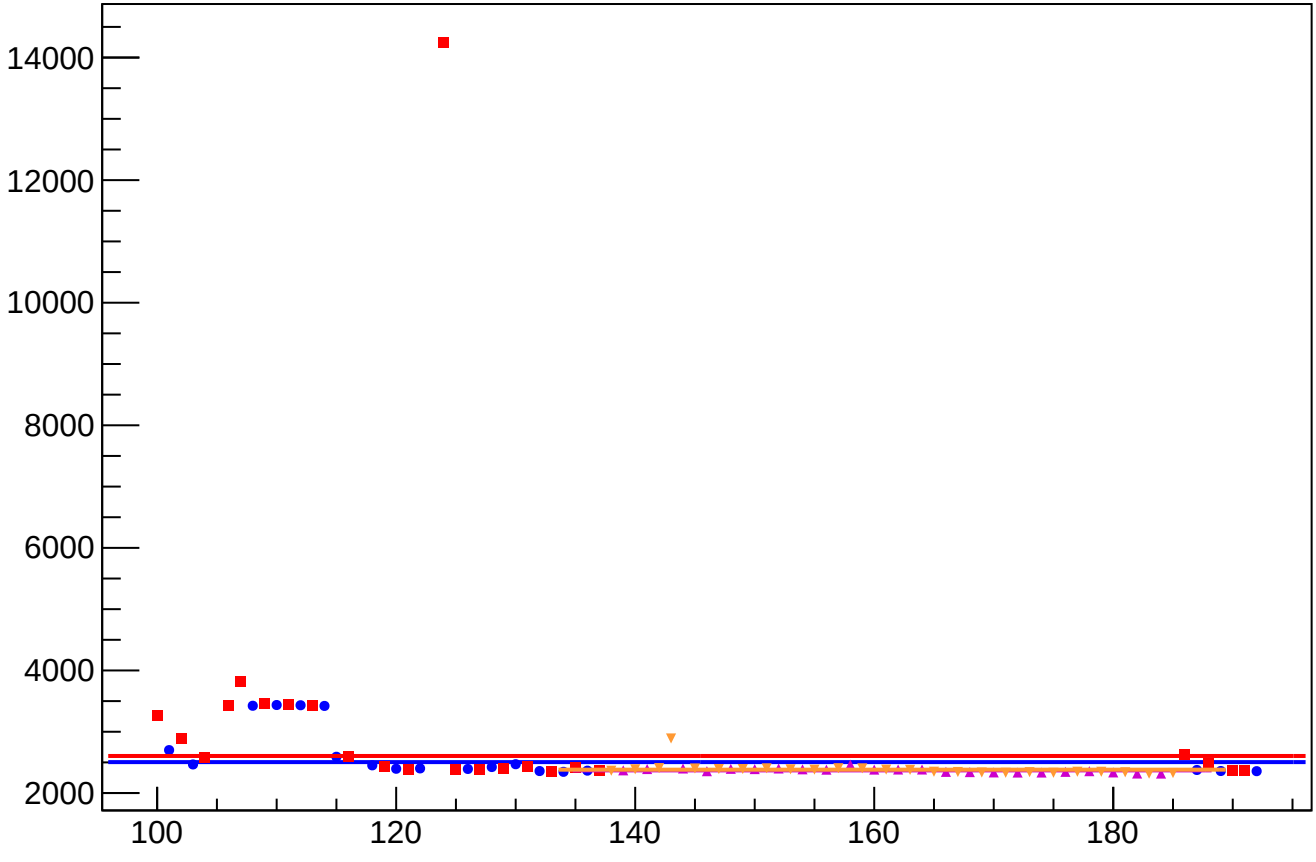
Right: 1411.032+/-602.315 χ^2/NDF: 40.0/41

In: 1674.865+/-462.608 χ^2/NDF:39.3/41

Out: 1252.718+/-458.169 χ^2/NDF:49.0/47

All: 1461.757+/-325.532 χ^2/NDF: 88.7/89

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: 2604.717+/-0.608 χ^2/NDF: 556948.7/22

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

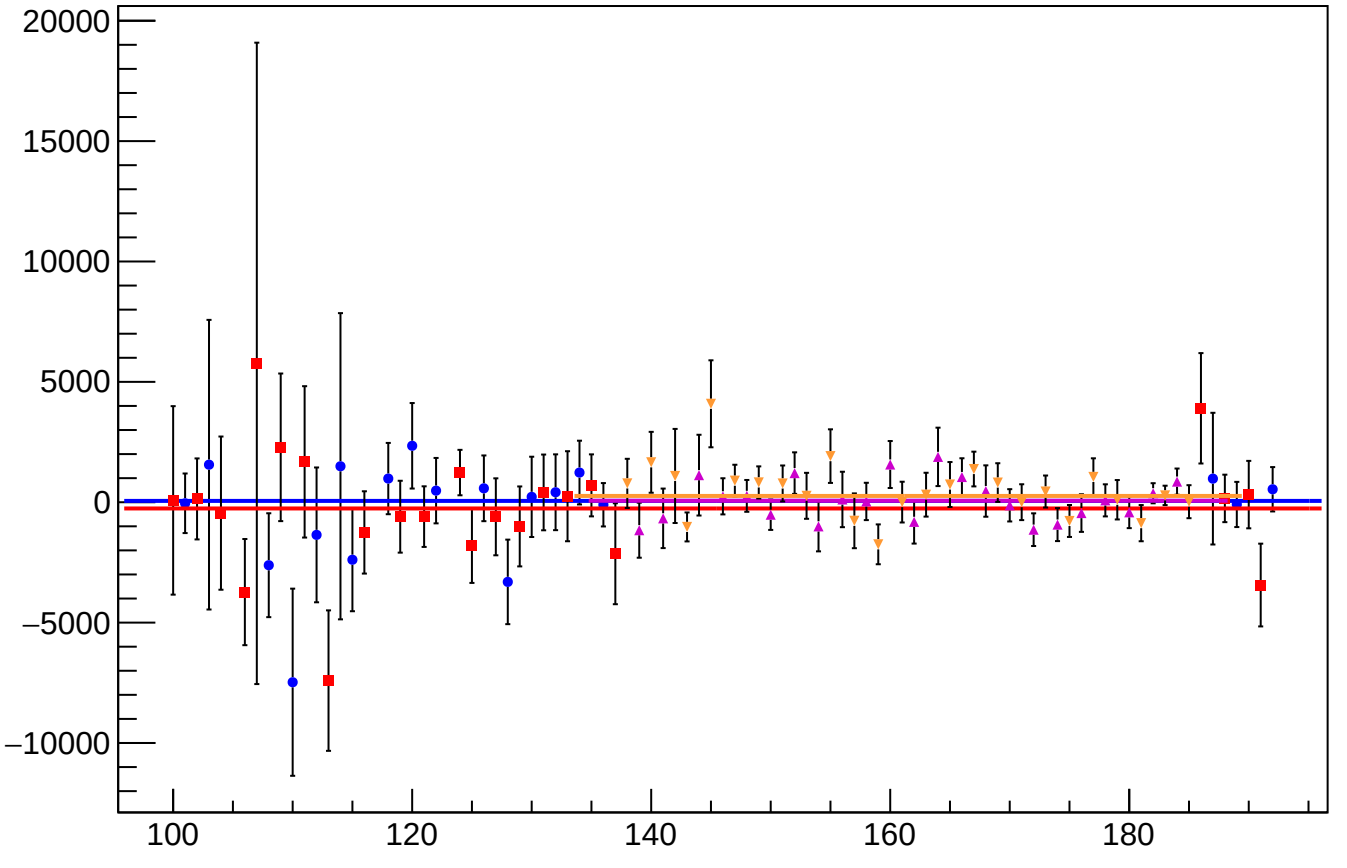
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2553.642+/-0.426 χ^2/NDF: 812606.8/41

In: 2410.053+/-0.327 χ^2/NDF:284796.7/41

Out: 2444.601+/-0.324 χ^2/NDF:711236.2/47

All: 2427.494+/-0.230 χ^2/NDF: 1001663.9/89



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: -258.832+/-345.820 χ^2/NDF: 22.7/22

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

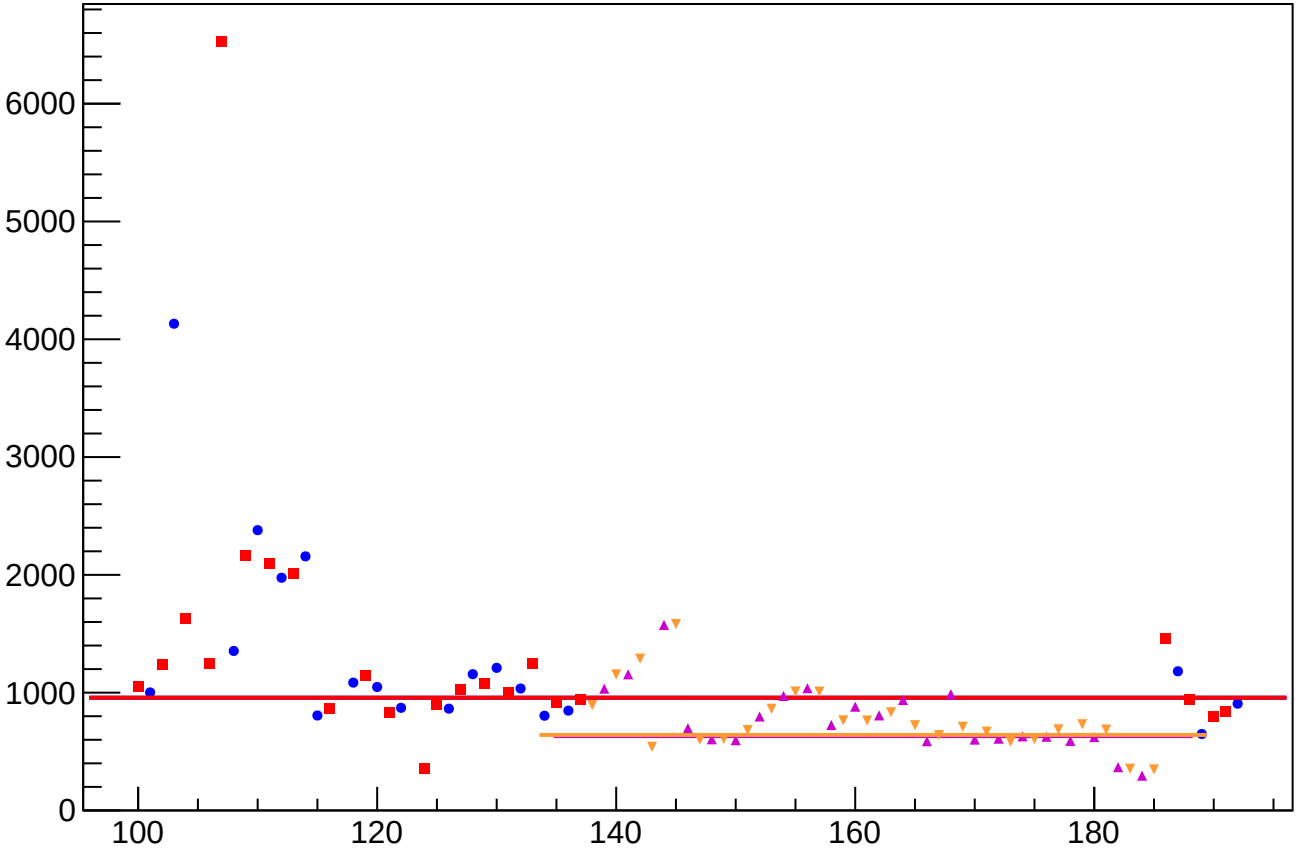
Right: -100.277+/-243.362 χ^2/NDF: 37.4/41

In: 60.795+/-143.018 χ^2/NDF:36.2/41

Out: 175.696+/-140.688 χ^2/NDF:55.7/47

All: 119.189+/-100.295 χ^2/NDF: 92.3/89

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



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: 957.309+/-0.245 χ^2/NDF: 2442195.9/22

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

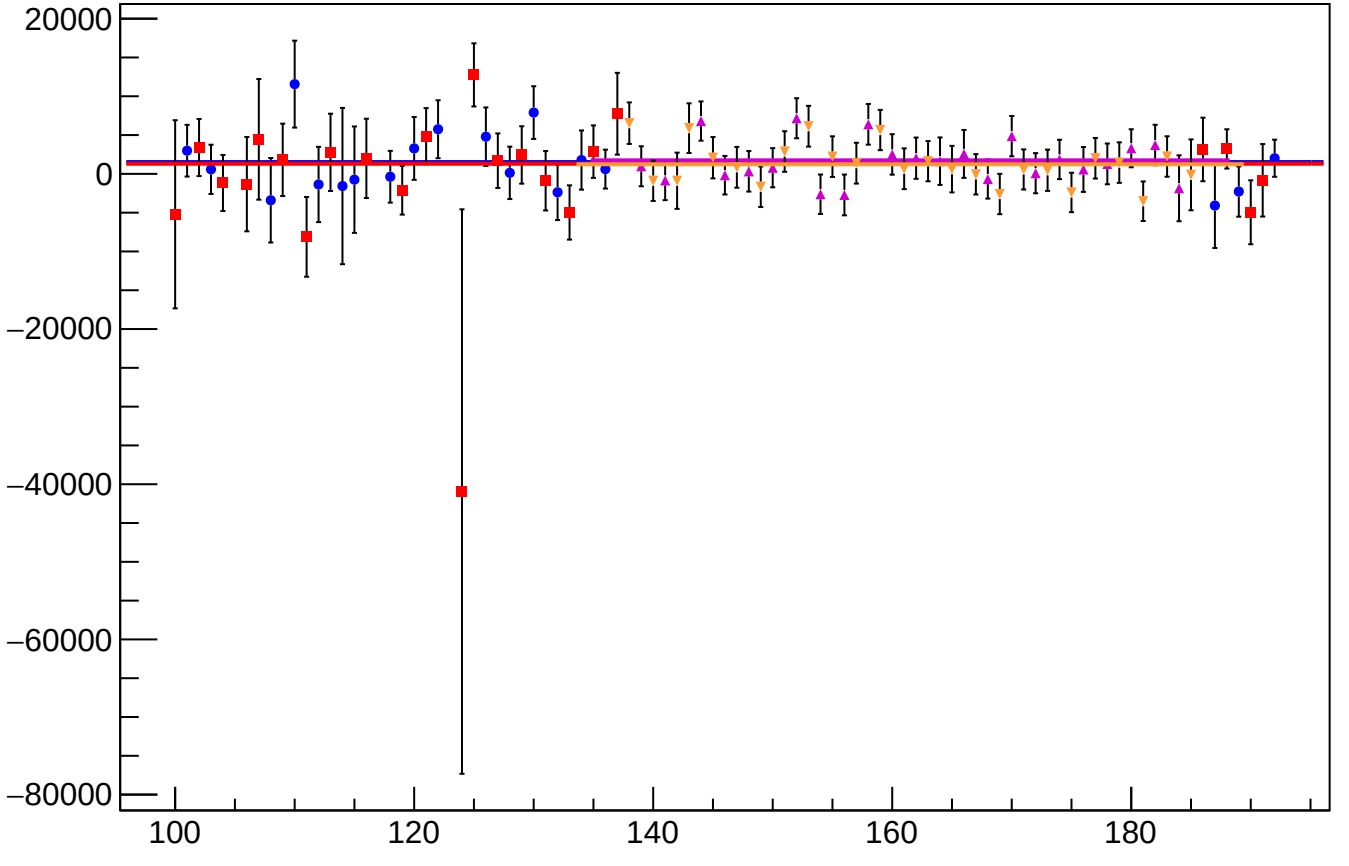
Right: 957.166+/-0.172 χ^2/NDF: 4089572.4/41

In: 688.000+/-0.101 χ^2/NDF:7116986.9/41

Out: 693.482+/-0.099 χ^2/NDF:7311960.0/47

All: 690.786+/-0.071 χ^2/NDF: 14430440.2/89

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: 1305.475+/-860.639 χ^2/NDF: 25.0/22

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

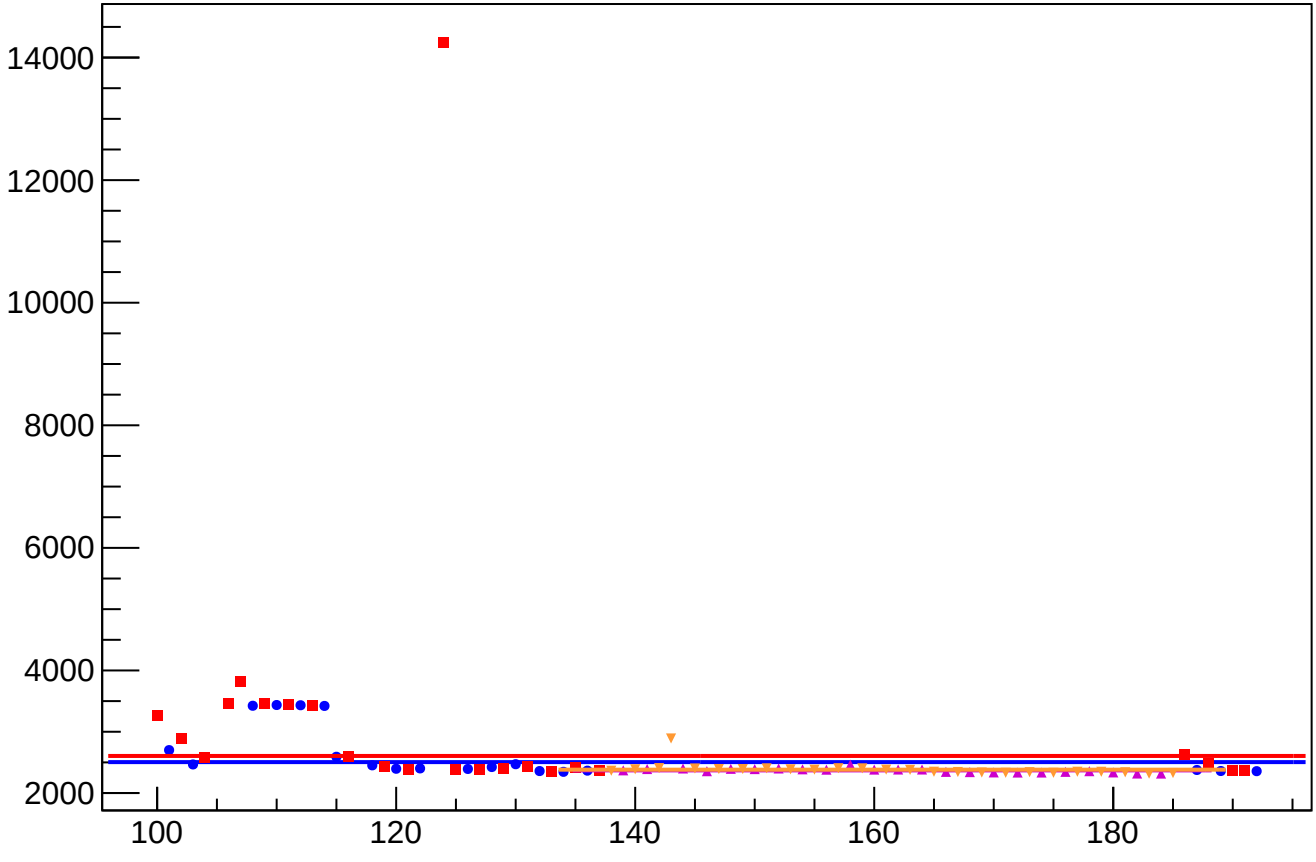
Right: 1414.790+/-602.384 χ^2/NDF: 39.9/41

In: 1674.994+/-462.608 χ^2/NDF:39.3/41

Out: 1254.765+/-458.199 χ^2/NDF:48.9/47

All: 1462.868+/-325.543 χ^2/NDF: 88.6/89

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: 2605.122+/-0.609 χ^2/NDF: 559622.1/22

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

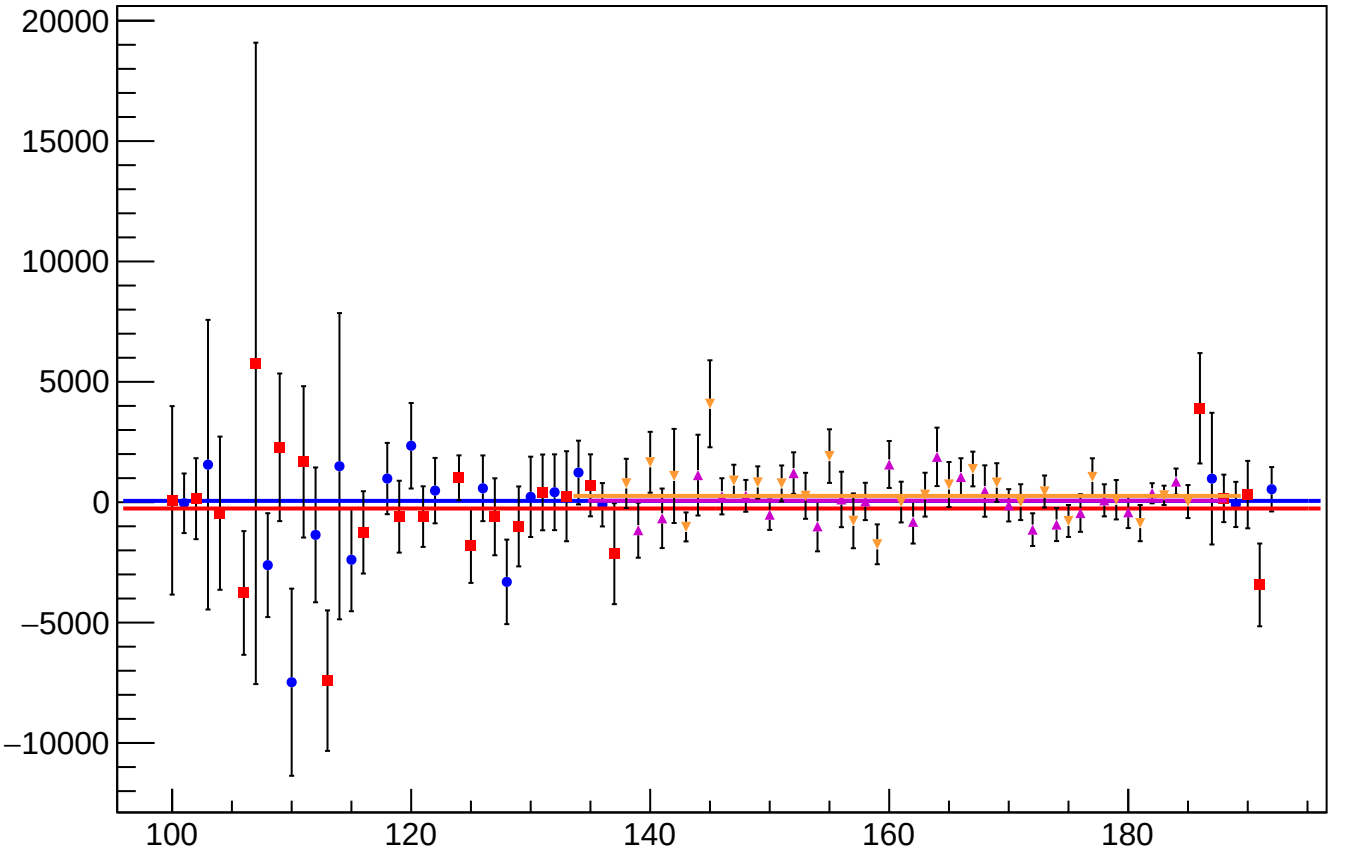
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2553.829+/-0.426 χ^2/NDF: 815389.0/41

In: 2410.053+/-0.327 χ^2/NDF:284796.7/41

Out: 2444.695+/-0.324 χ^2/NDF:714228.2/47

All: 2427.540+/-0.230 χ^2/NDF: 1004686.1/89



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: -261.003+/-346.322 χ^2/NDF: 21.5/22

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

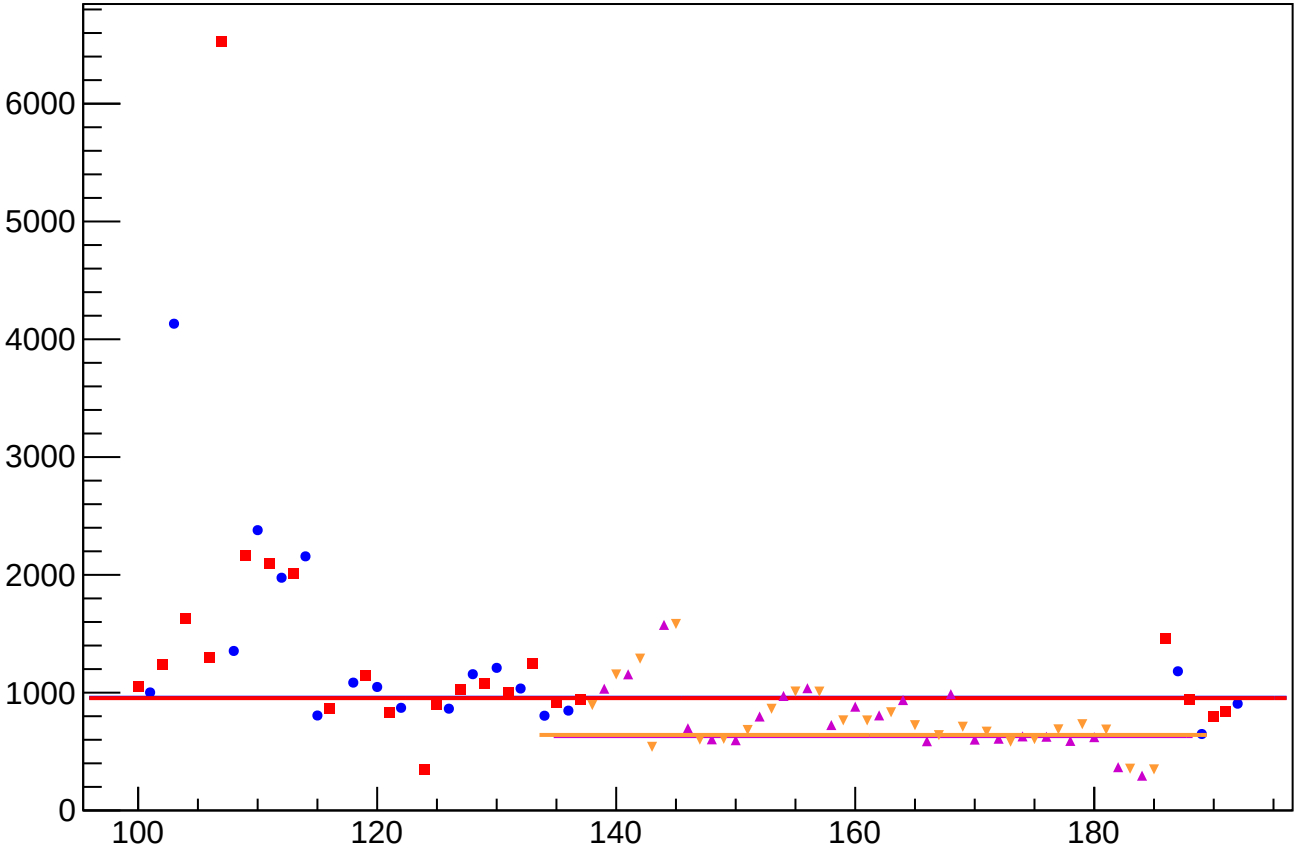
Right: -101.151+/-243.536 χ^2/NDF: 36.1/41

In: 60.799+/-143.017 χ^2/NDF:36.2/41

Out: 175.780+/-140.724 χ^2/NDF:54.5/47

All: 119.219+/-100.308 χ^2/NDF: 91.1/89

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: 953.504+/-0.245 χ^2/NDF: 2476436.8/22

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

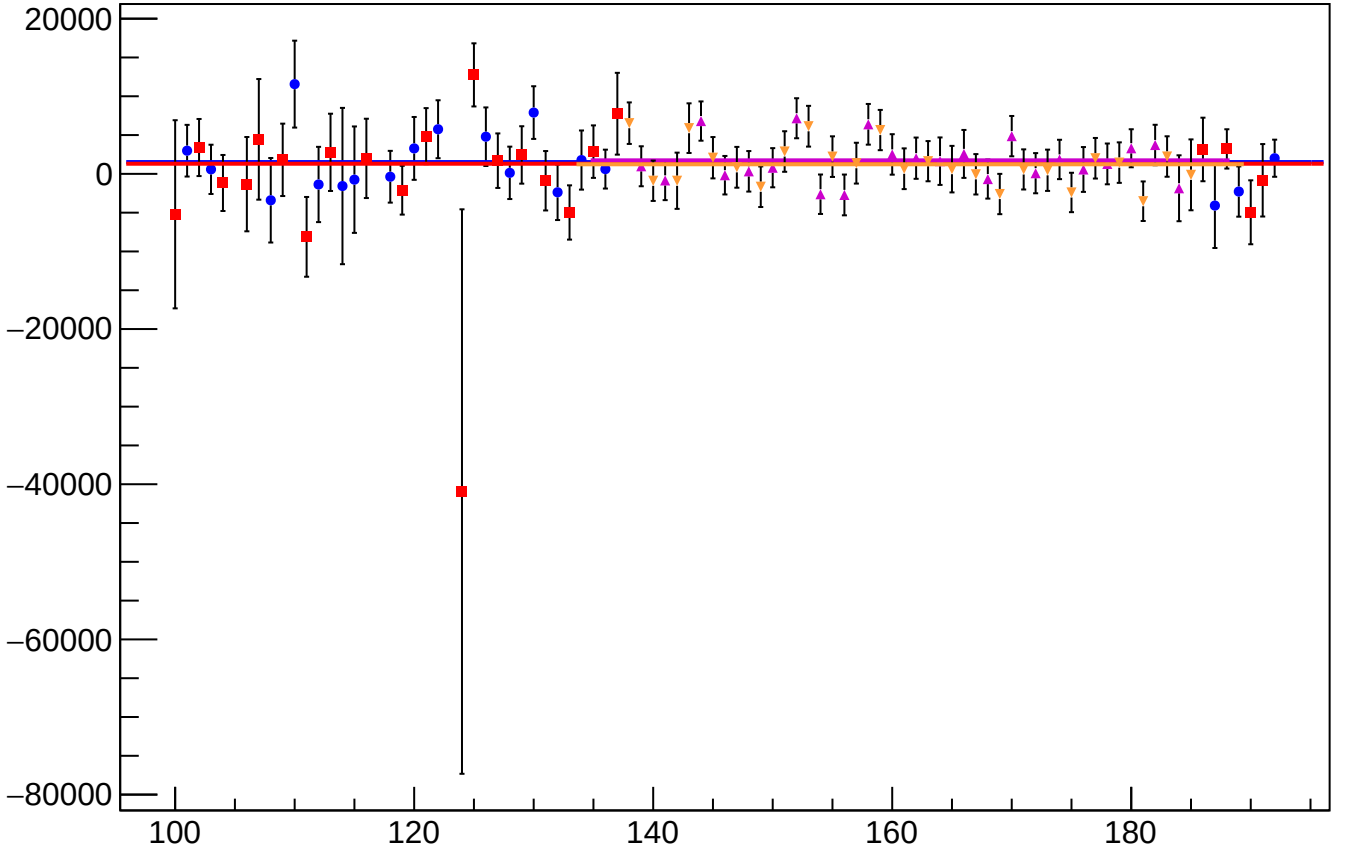
Right: 955.281+/-0.172 χ^2/NDF: 4123889.0/41

In: 687.997+/-0.101 χ^2/NDF:7117073.1/41

Out: 692.739+/-0.100 χ^2/NDF:7309146.8/47

All: 690.407+/-0.071 χ^2/NDF: 14427337.1/89

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: 1305.475+/-860.639 χ^2/NDF: 25.0/22

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

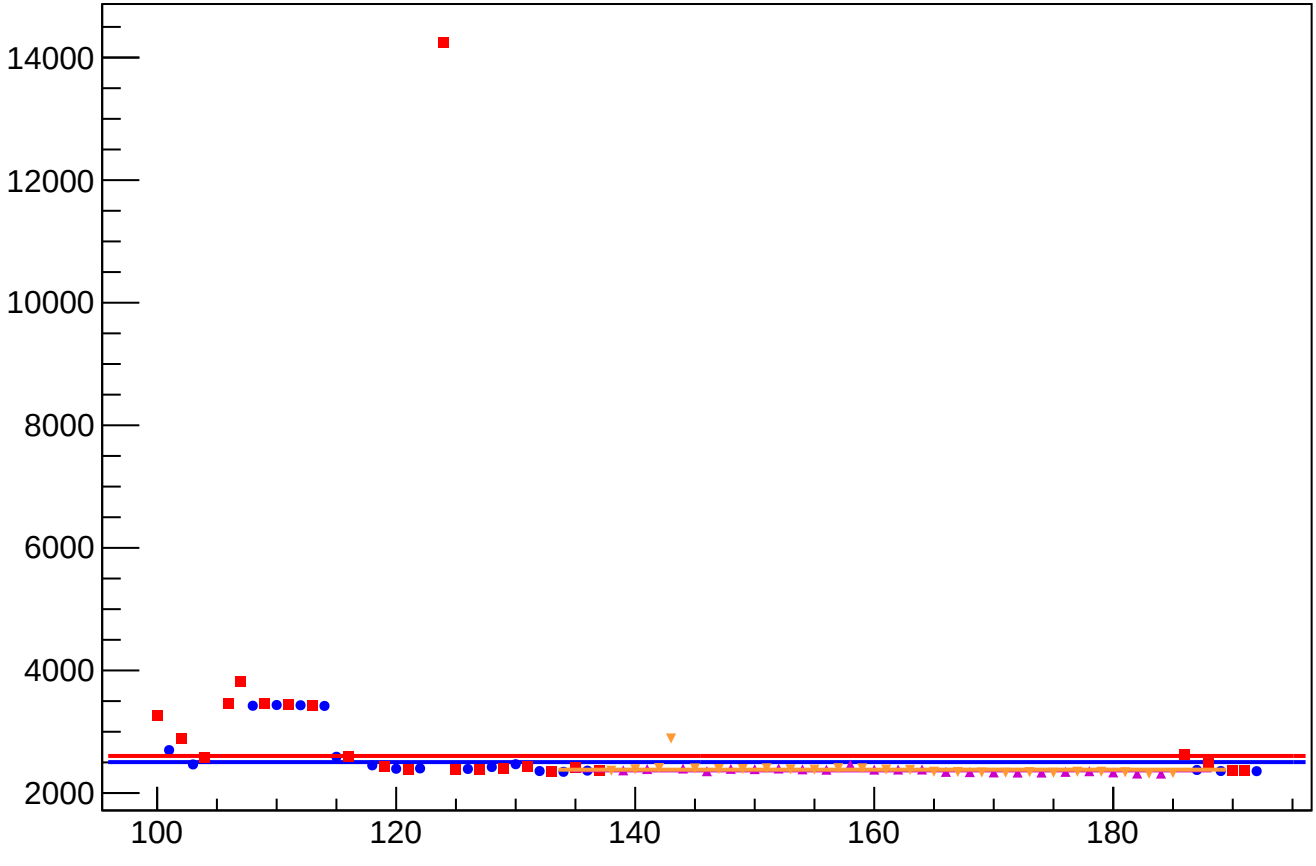
Right: 1414.790+/-602.384 χ^2/NDF: 39.9/41

In: 1674.994+/-462.608 χ^2/NDF:39.3/41

Out: 1254.765+/-458.199 χ^2/NDF:48.9/47

All: 1462.868+/-325.543 χ^2/NDF: 88.6/89

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: 2605.122+/-0.609 χ^2/NDF: 559622.1/22

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

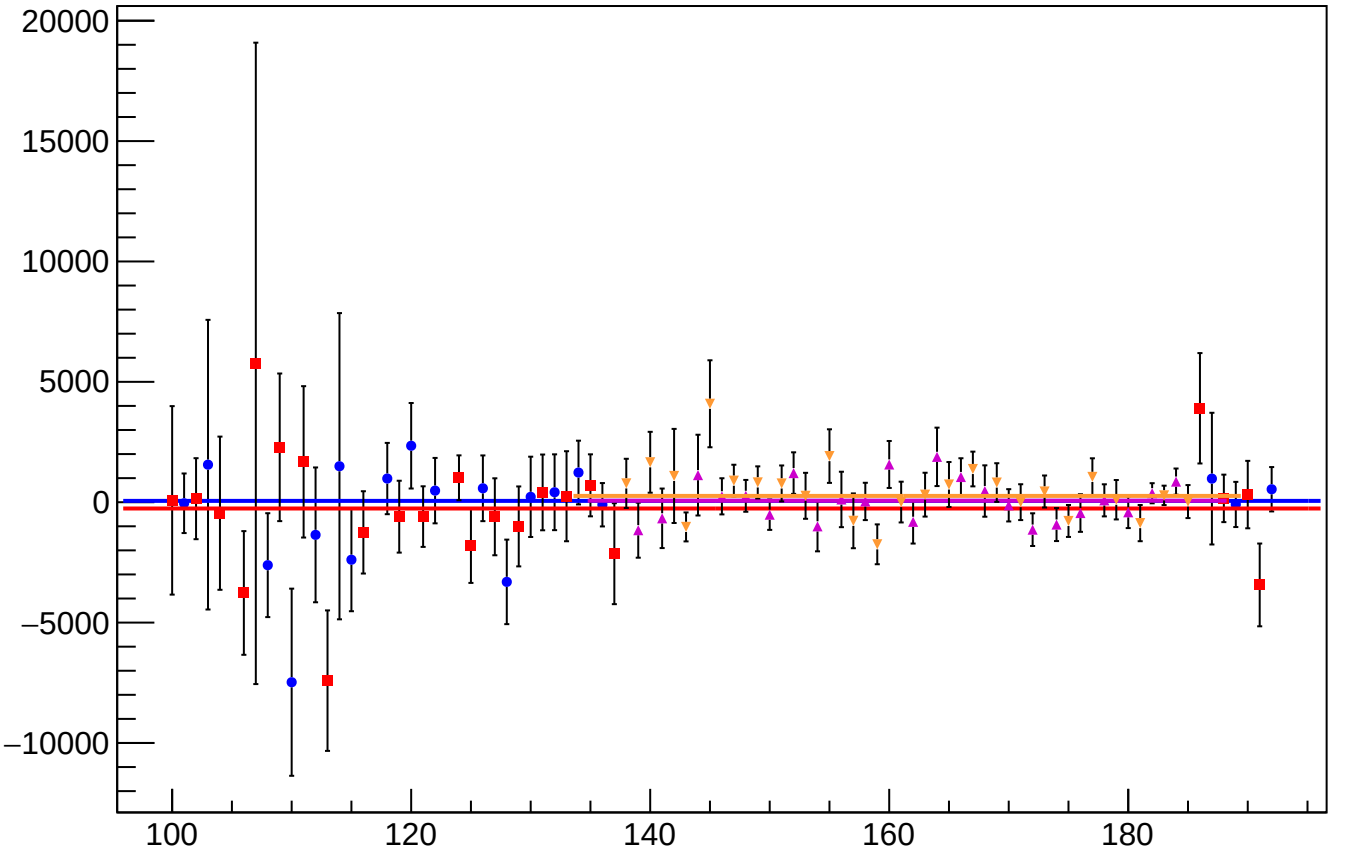
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2553.829+/-0.426 χ^2/NDF: 815389.0/41

In: 2410.053+/-0.327 χ^2/NDF:284796.7/41

Out: 2444.695+/-0.324 χ^2/NDF:714228.2/47

All: 2427.540+/-0.230 χ^2/NDF: 1004686.1/89



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: -261.003+/-346.322 χ^2/NDF: 21.5/22

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

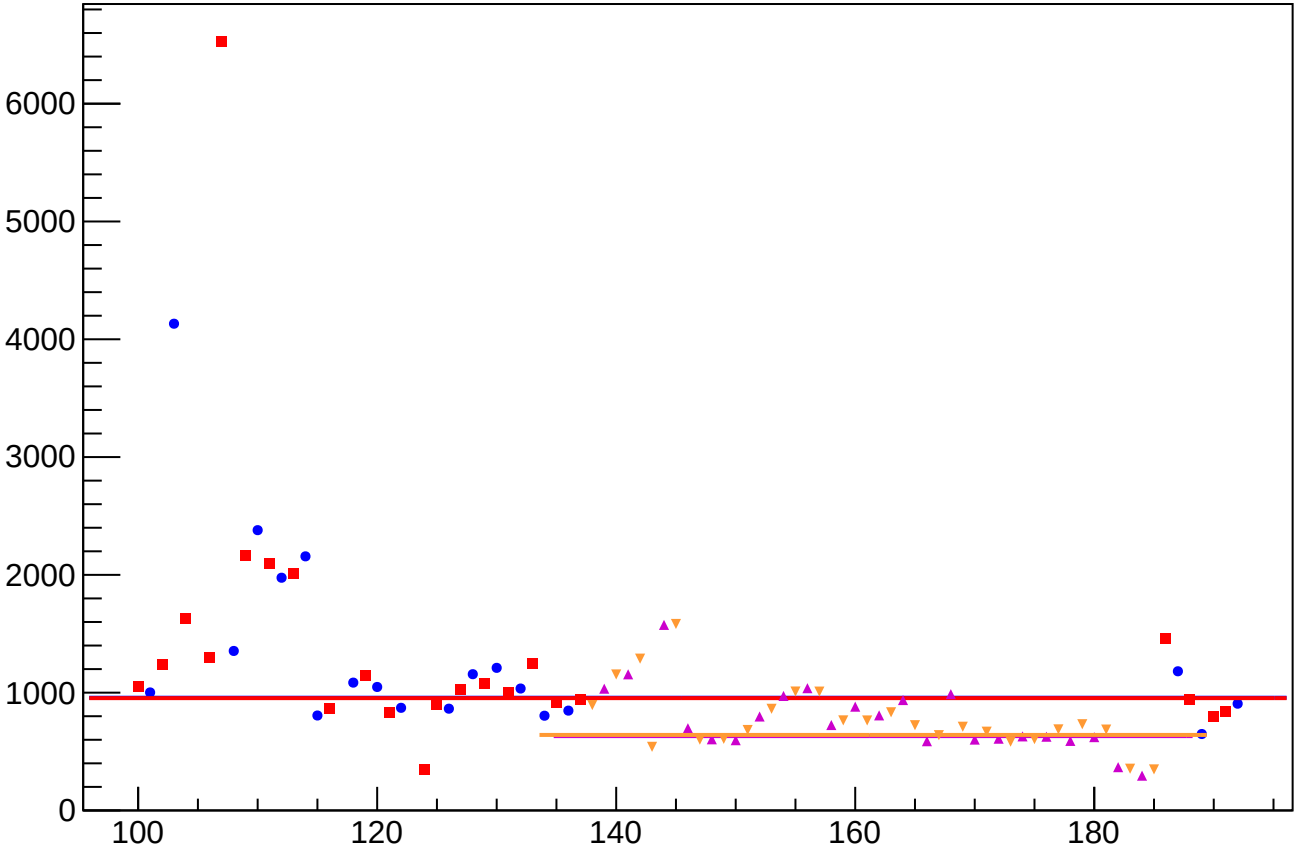
Right: -101.151+/-243.536 χ^2/NDF: 36.1/41

In: 60.799+/-143.017 χ^2/NDF:36.2/41

Out: 175.780+/-140.724 χ^2/NDF:54.5/47

All: 119.219+/-100.308 χ^2/NDF: 91.1/89

asym_atl1_eigen_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: 953.504+/-0.245 χ^2/NDF: 2476436.8/22

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

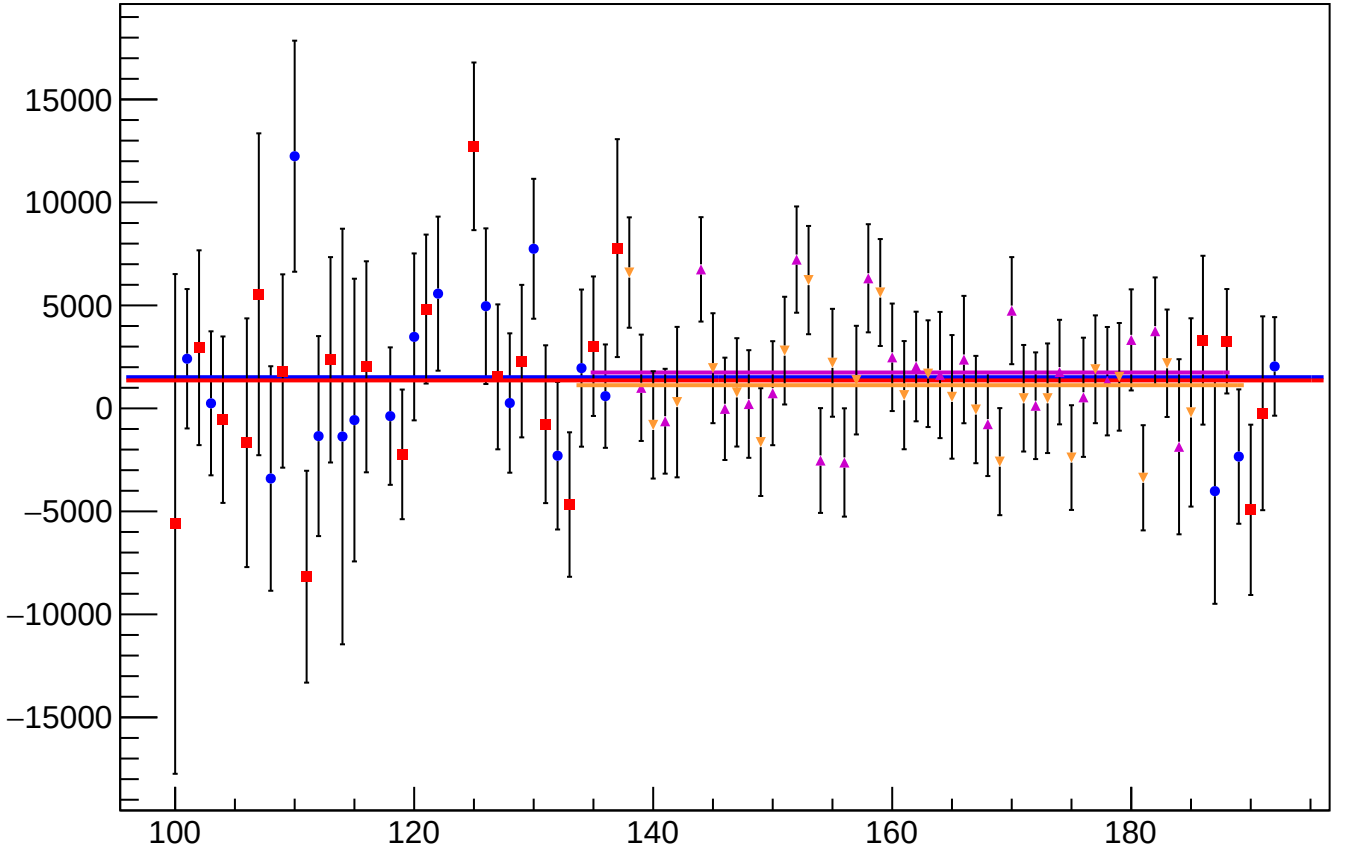
Right: 955.281+/-0.172 χ^2/NDF: 4123889.0/41

In: 687.997+/-0.101 χ^2/NDF:7117073.1/41

Out: 692.739+/-0.100 χ^2/NDF:7309146.8/47

All: 690.407+/-0.071 χ^2/NDF: 14427337.1/89

dit_asym_atl1_mean vs Slug, Sign Corrected



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: 1359.212+/-876.786 χ^2/NDF: 23.0/21

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

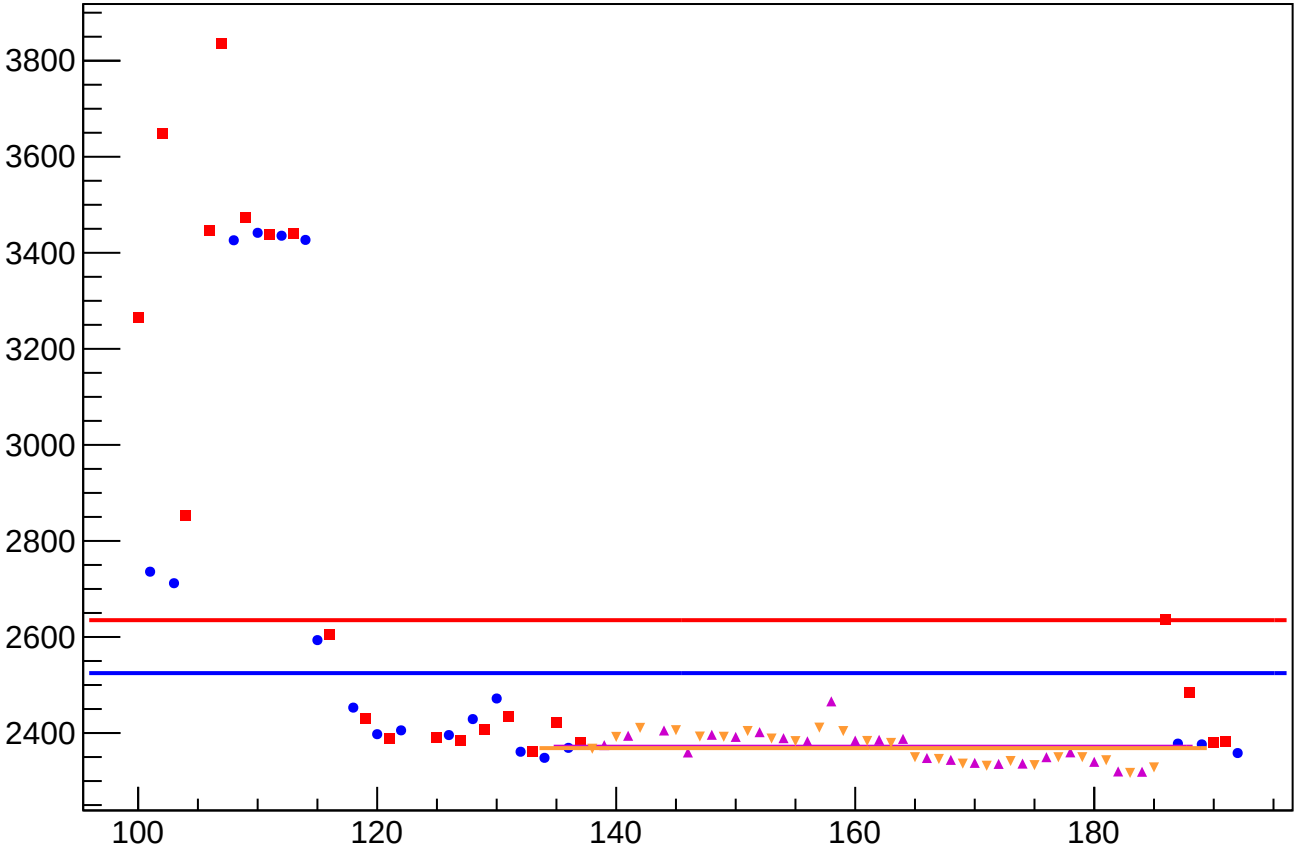
Right: 1439.056+/-610.542 χ^2/NDF: 38.0/40

In: 1674.419+/-464.089 χ^2/NDF:38.8/41

Out: 1191.511+/-465.818 χ^2/NDF:44.2/45

All: 1433.863+/-328.770 χ^2/NDF: 83.6/87

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: 2635.010+/-0.620 χ^2/NDF: 444802.9/21

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

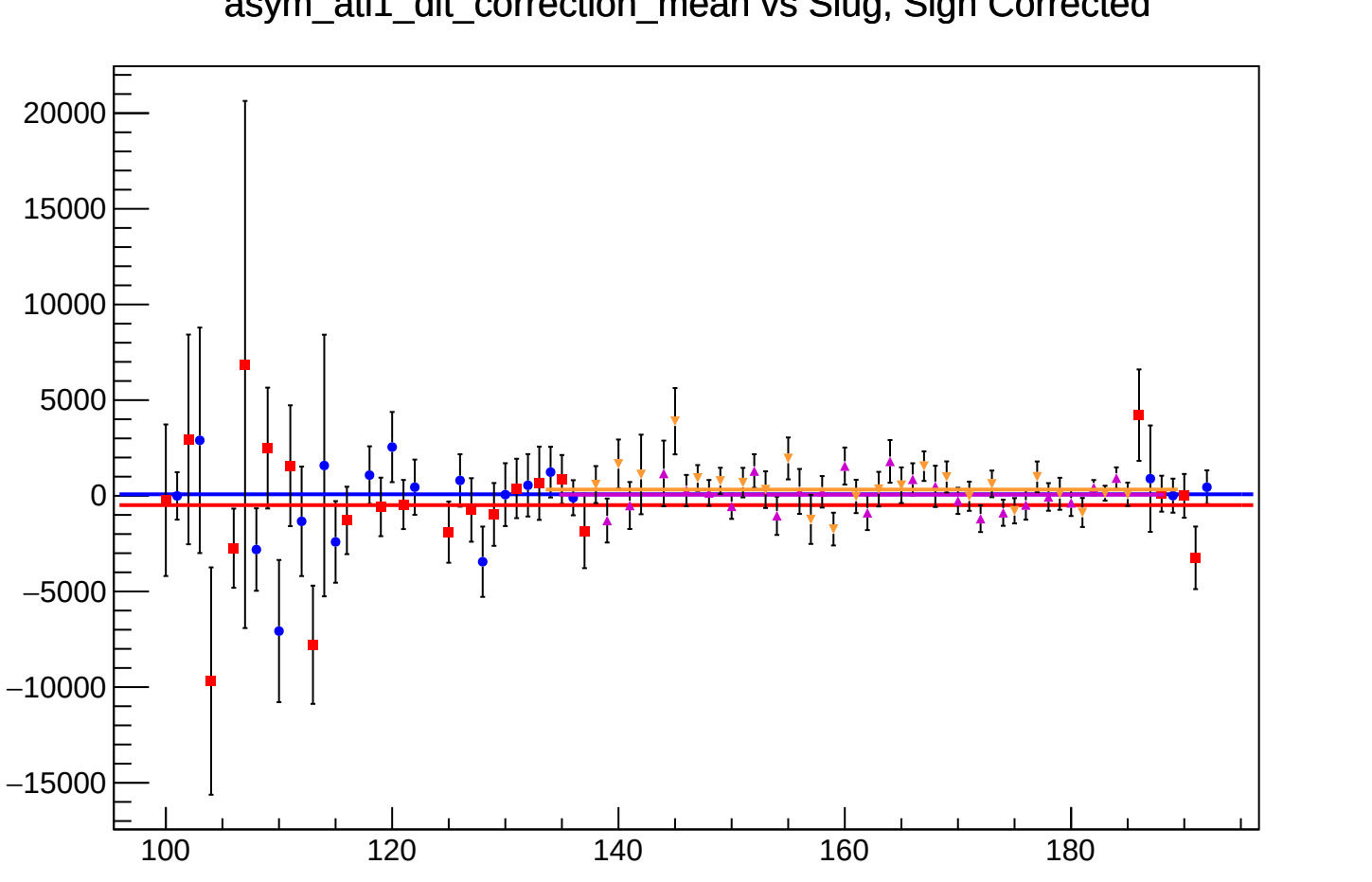
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2578.216+/-0.432 χ^2/NDF: 710090.8/40

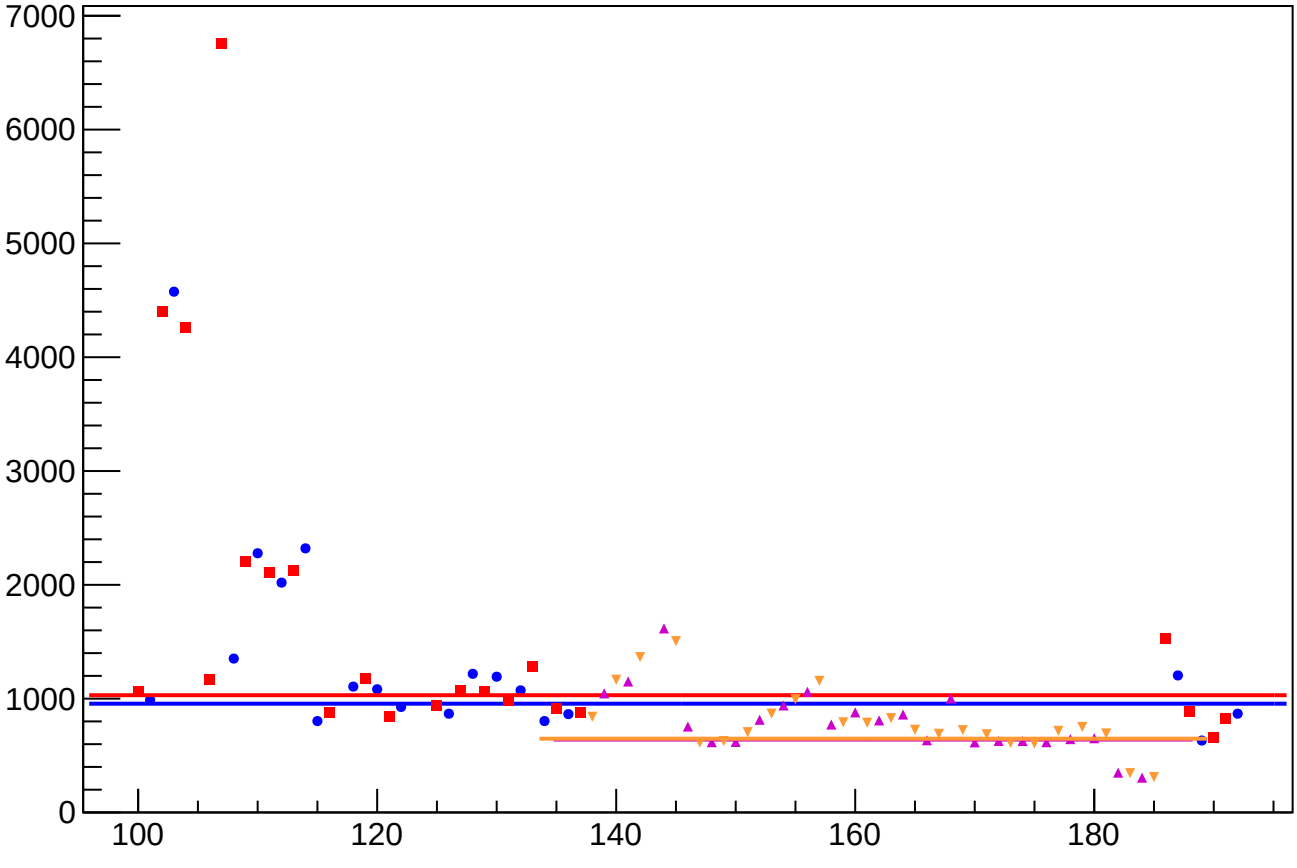
In: 2417.125+/-0.328 χ^2/NDF:301631.0/41

Out: 2443.774+/-0.329 χ^2/NDF:582935.2/45

All: 2430.400+/-0.232 χ^2/NDF: 887851.2/87


asym_atl1_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: 78.282+/-341.731 χ²/NDF: 14.8/18
Left Out: 325.955+/-160.041 χ²/NDF:26.8/23
Right Out: -487.686+/-373.689 χ²/NDF: 21.8/21
Left In: 59.619+/-159.669 χ²/NDF:22.7/22
Left: 192.477+/-113.035 χ²/NDF: 50.9/46
Right: -179.470+/-252.183 χ²/NDF: 37.9/40
In: 62.963+/-144.658 χ²/NDF:37.5/41
Out: 199.848+/-147.117 χ²/NDF:52.6/45
All: 130.252+/-103.147 χ²/NDF: 90.6/87

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: 1030.246+/-0.264 χ^2/NDF: 2994542.3/21

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

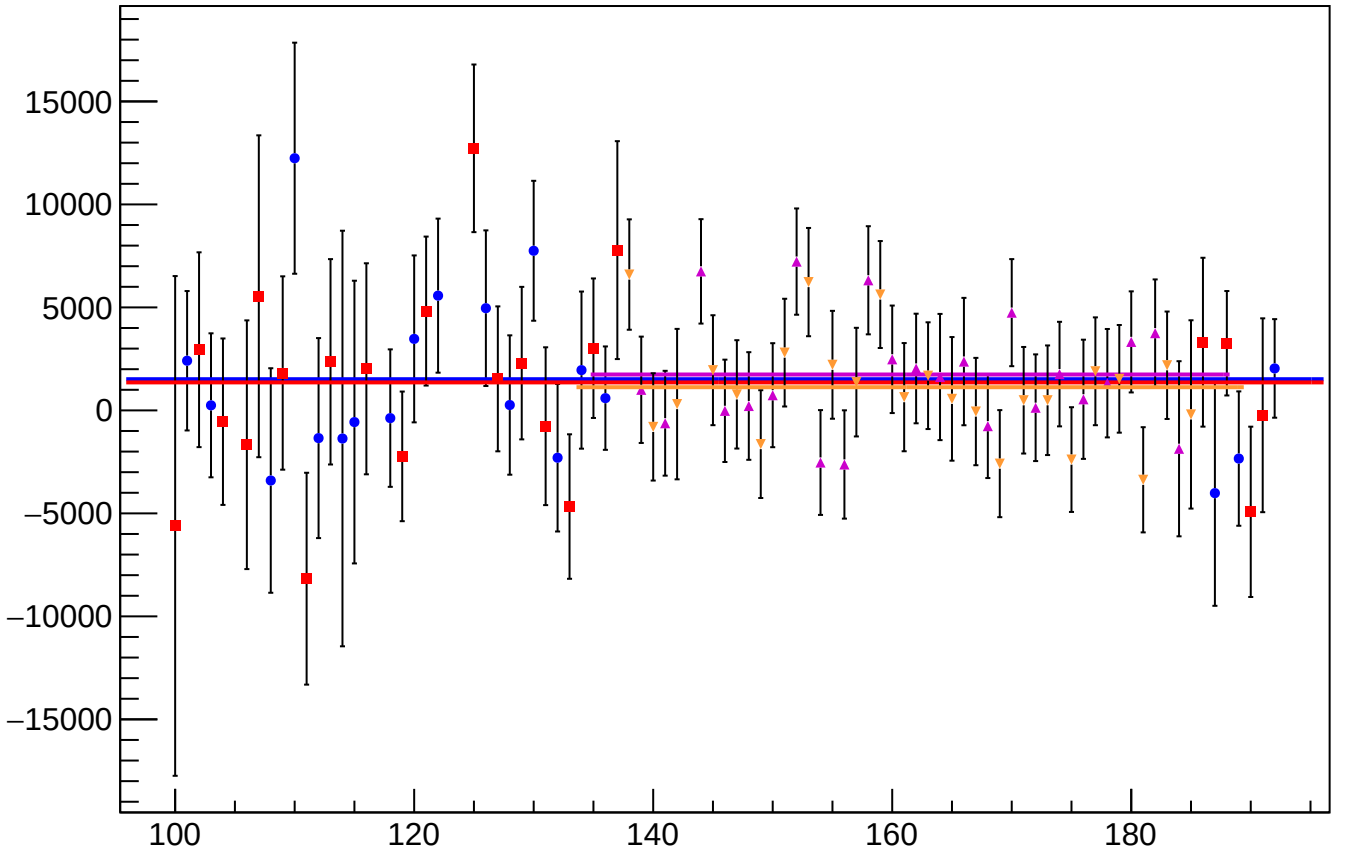
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 989.592+/-0.178 χ^2/NDF: 4959460.8/40

In: 696.898+/-0.102 χ^2/NDF:7446577.6/41

Out: 707.329+/-0.104 χ^2/NDF:8648906.4/45

All: 702.026+/-0.073 χ^2/NDF: 16100596.1/87



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: 1359.210+/-876.786 χ^2/NDF: 23.0/21

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

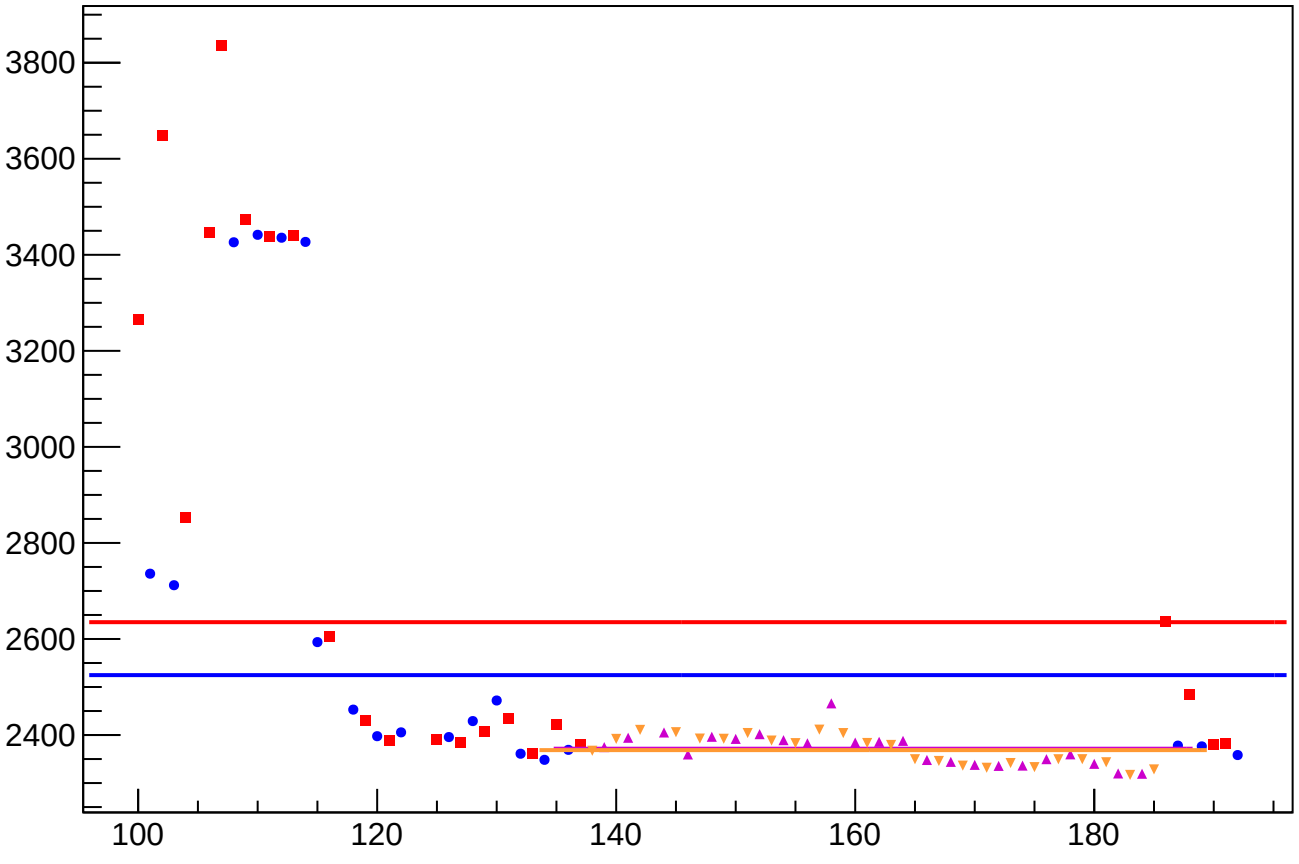
Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

Right: 1439.054+/-610.542 χ^2/NDF: 38.0/40

In: 1674.419+/-464.089 χ^2/NDF:38.8/41

Out: 1191.511+/-465.818 χ^2/NDF:44.2/45

All: 1433.863+/-328.770 χ^2/NDF: 83.6/87



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: 2635.010+/-0.620 χ^2/NDF: 444802.2/21

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

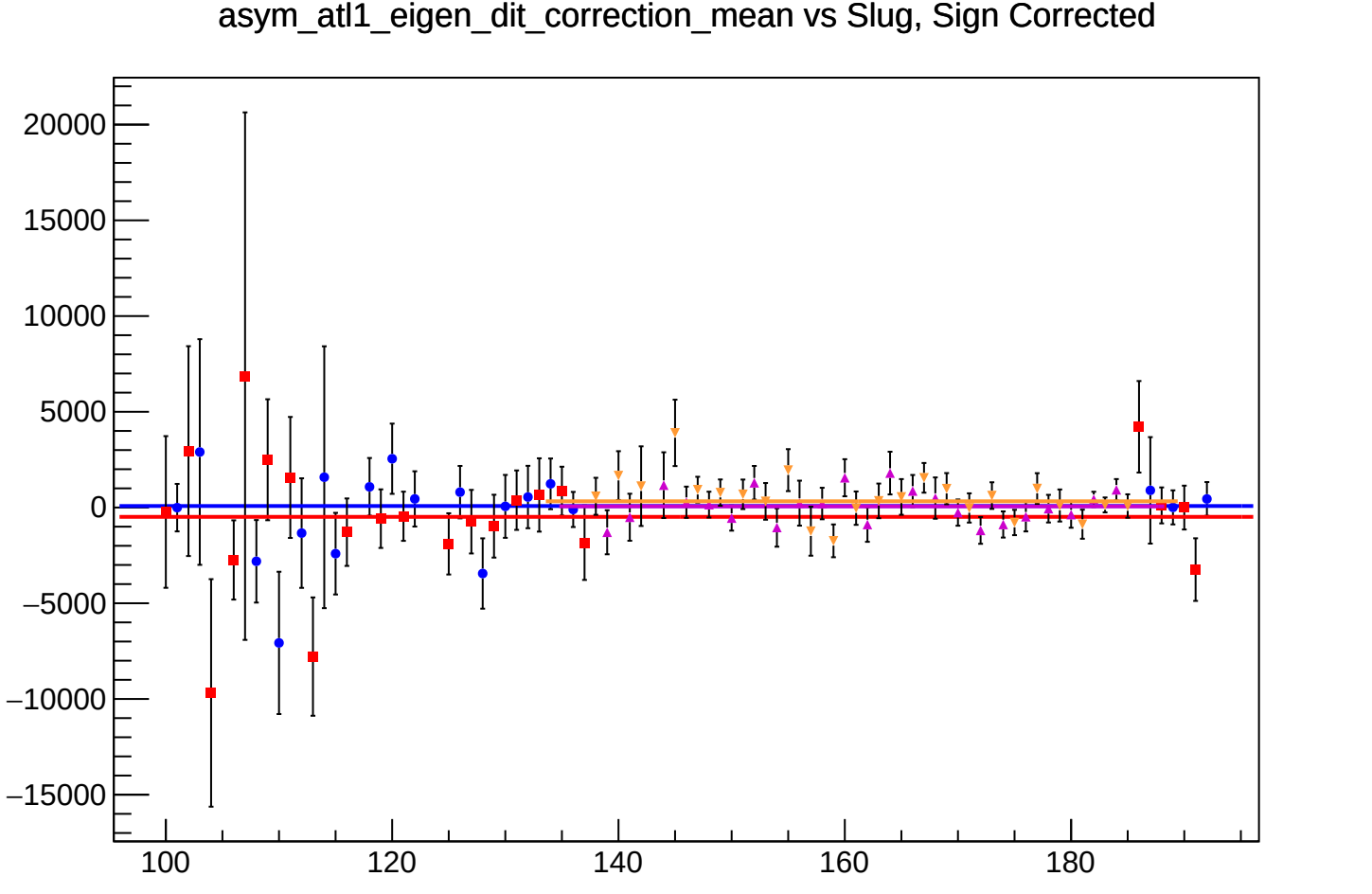
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2578.216+/-0.432 χ^2/NDF: 710089.8/40

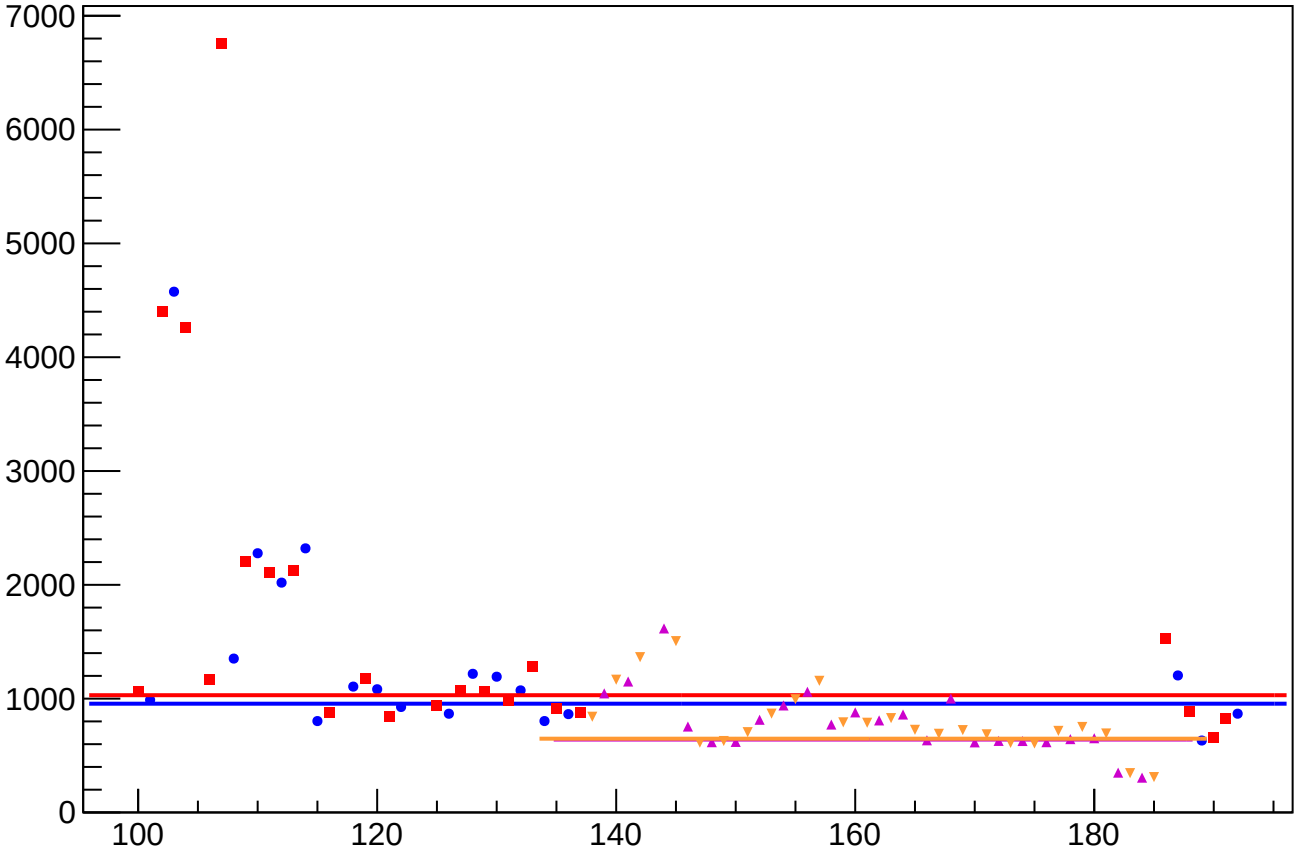
In: 2417.125+/-0.328 χ^2/NDF:301630.5/41

Out: 2443.774+/-0.329 χ^2/NDF:582934.2/45

All: 2430.400+/-0.232 χ^2/NDF: 887849.8/87


asym_atl1_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: 78.280+/-341.731 χ²/NDF: 14.8/18
Left Out: 325.955+/-160.042 χ²/NDF:26.8/23
Right Out: -487.685+/-373.689 χ²/NDF: 21.8/21
Left In: 59.619+/-159.670 χ²/NDF:22.7/22
Left: 192.477+/-113.035 χ²/NDF: 50.9/46
Right: -179.471+/-252.183 χ²/NDF: 37.9/40
In: 62.963+/-144.658 χ²/NDF:37.5/41
Out: 199.848+/-147.117 χ²/NDF:52.6/45
All: 130.252+/-103.147 χ²/NDF: 90.6/87

asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 1030.245+/-0.264 χ^2/NDF: 2994542.9/21

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

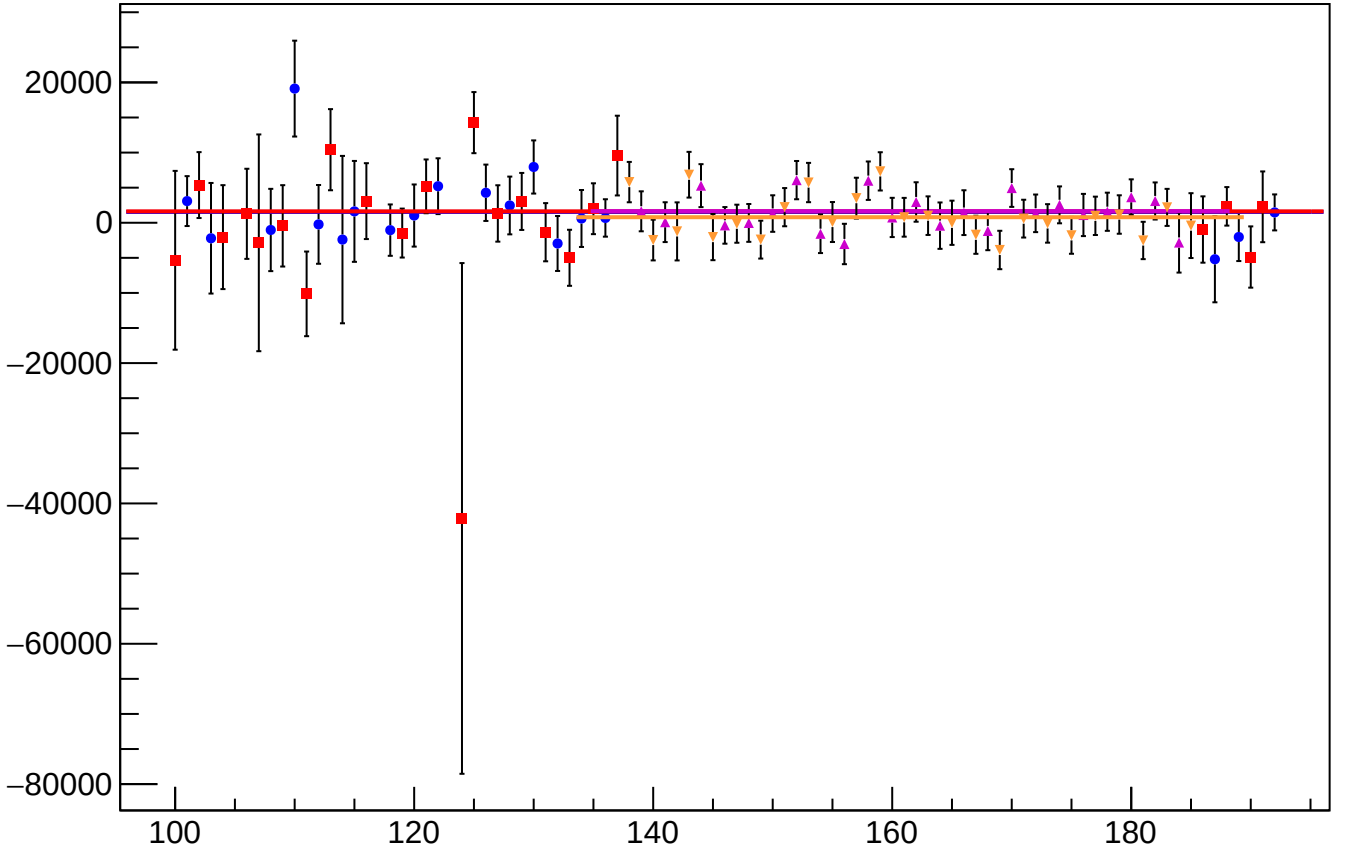
Right: 989.592+/-0.178 χ^2/NDF: 4959457.3/40

In: 696.899+/-0.102 χ^2/NDF:7446582.3/41

Out: 707.330+/-0.104 χ^2/NDF:8648905.2/45

All: 702.027+/-0.073 χ^2/NDF: 16100599.7/87

asym_atl1_mean vs Slug, Sign Corrected



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: 1624.028+/-979.144 χ^2/NDF: 27.1/22

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

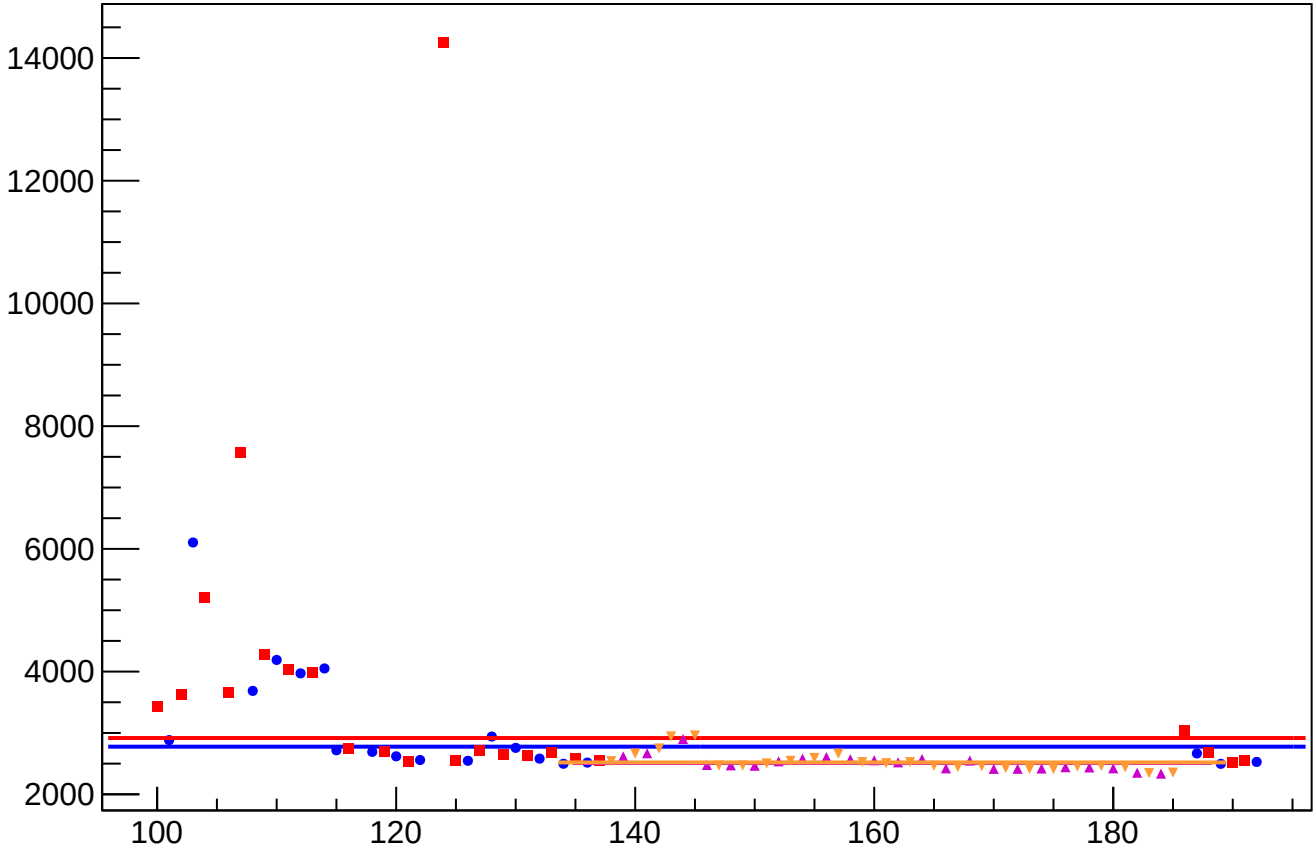
Right: 1581.706+/-680.943 χ^2/NDF: 43.0/41

In: 1623.430+/-498.874 χ^2/NDF:33.3/41

Out: 1003.980+/-494.713 χ^2/NDF:54.7/47

All: 1311.111+/-351.277 χ^2/NDF: 88.8/89

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: 2917.052+/-0.692 χ^2/NDF: 1031772.5/22

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

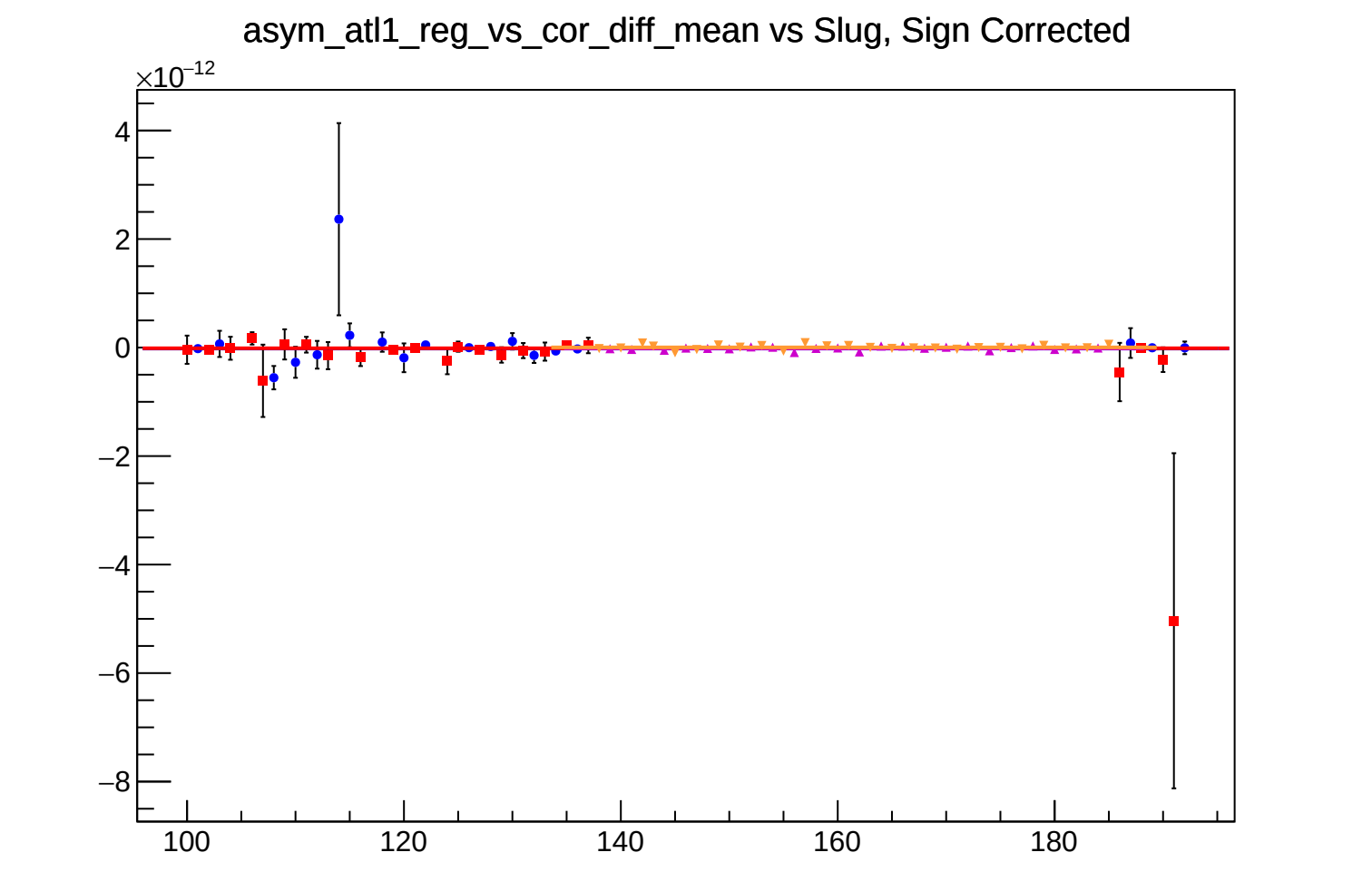
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2844.369+/-0.481 χ^2/NDF: 1744383.2/41

In: 2583.913+/-0.353 χ^2/NDF:879065.3/41

Out: 2620.998+/-0.350 χ^2/NDF:1392495.4/47

All: 2602.611+/-0.248 χ^2/NDF: 2277132.8/89



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: 12.5/22

Left In: -0.000+/-0.000 χ^2/NDF:32.3/22

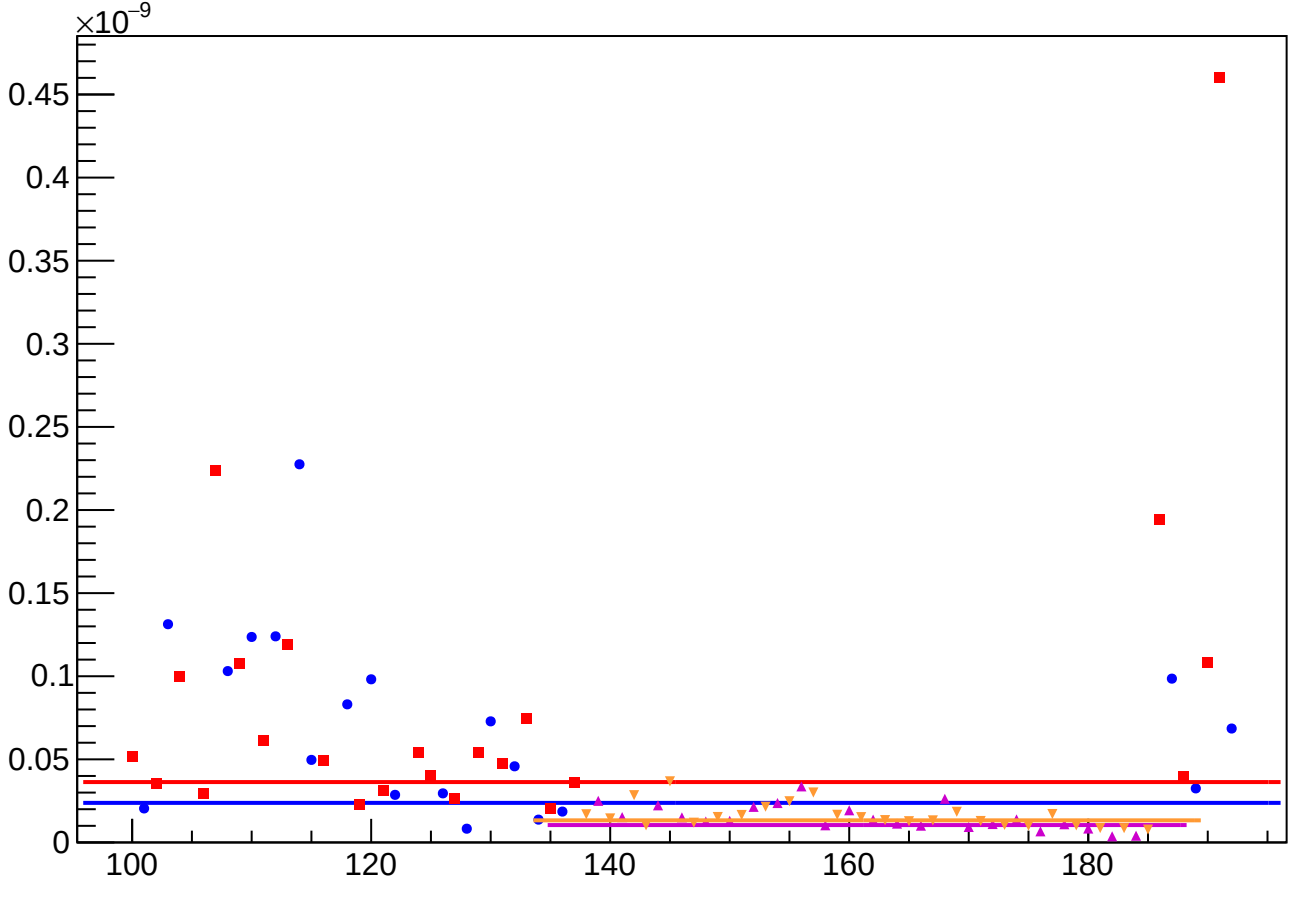
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 28.2/41

In: -0.000+/-0.000 χ^2/NDF:48.0/41

Out: 0.000+/-0.000 χ^2/NDF:41.8/47

All: -0.000+/-0.000 χ^2/NDF: 94.9/89



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: 1668692.9/22

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

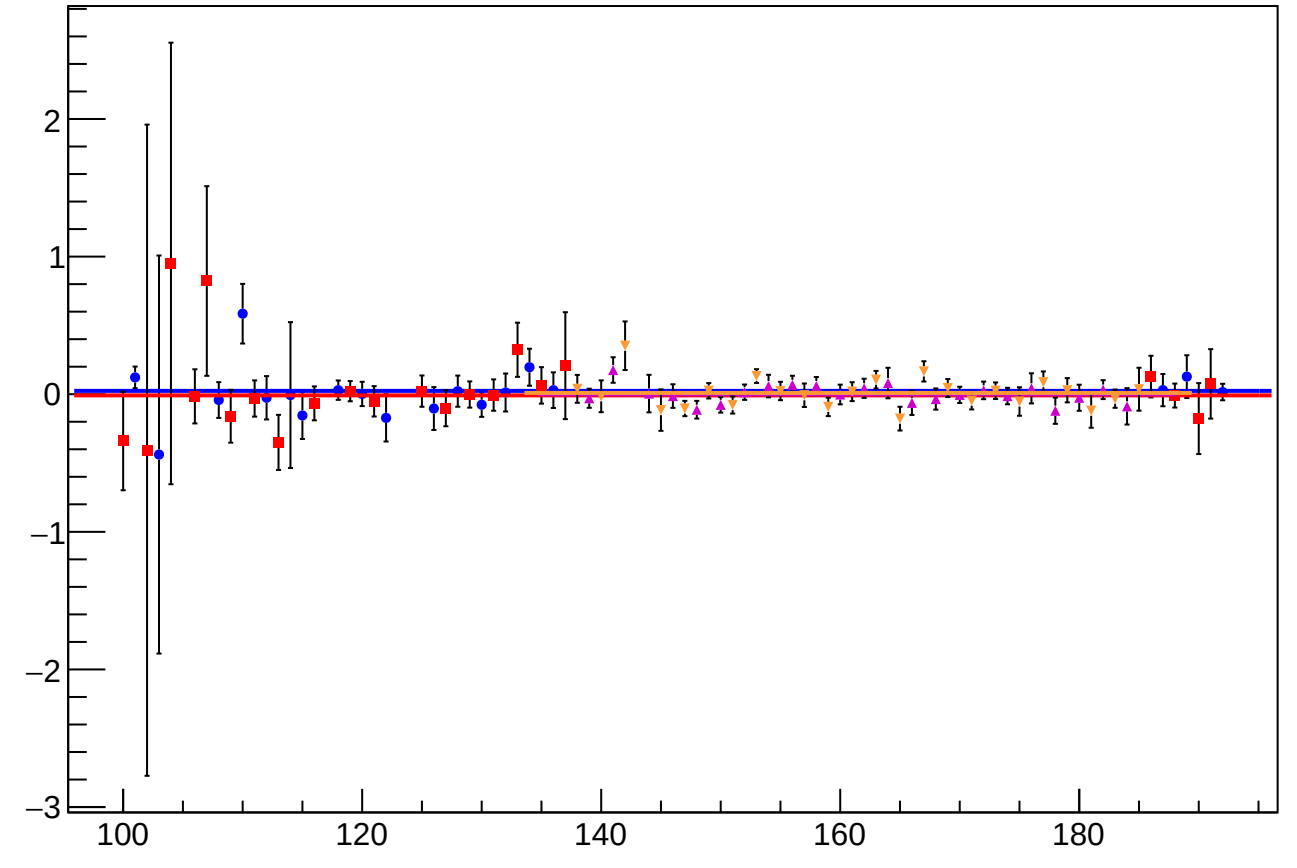
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 4902971.9/41

In: 0.000+/-0.000 χ^2/NDF:6858506.0/41

Out: 0.000+/-0.000 χ^2/NDF:5098174.2/47

All: 0.000+/-0.000 χ^2/NDF: 12327741.2/89



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: -0.008+/-0.030 χ^2/NDF: 12.2/21

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

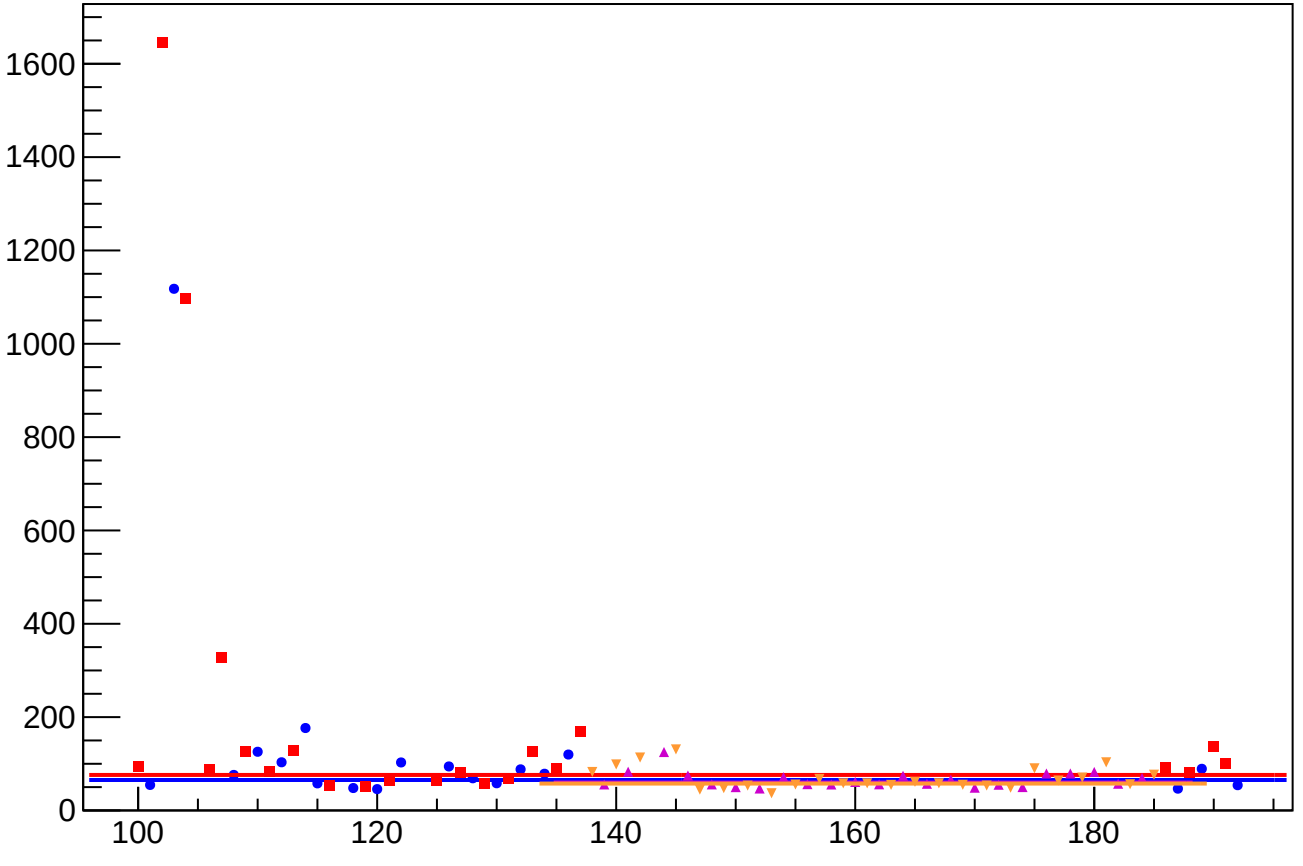
Right: 0.011+/-0.020 χ^2/NDF: 28.2/40

In: 0.006+/-0.013 χ^2/NDF:31.6/41

Out: 0.006+/-0.014 χ^2/NDF:47.2/45

All: 0.006+/-0.009 χ^2/NDF: 78.7/87

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: 76.100+/-0.021 χ^2/NDF: 3093536.6/21

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

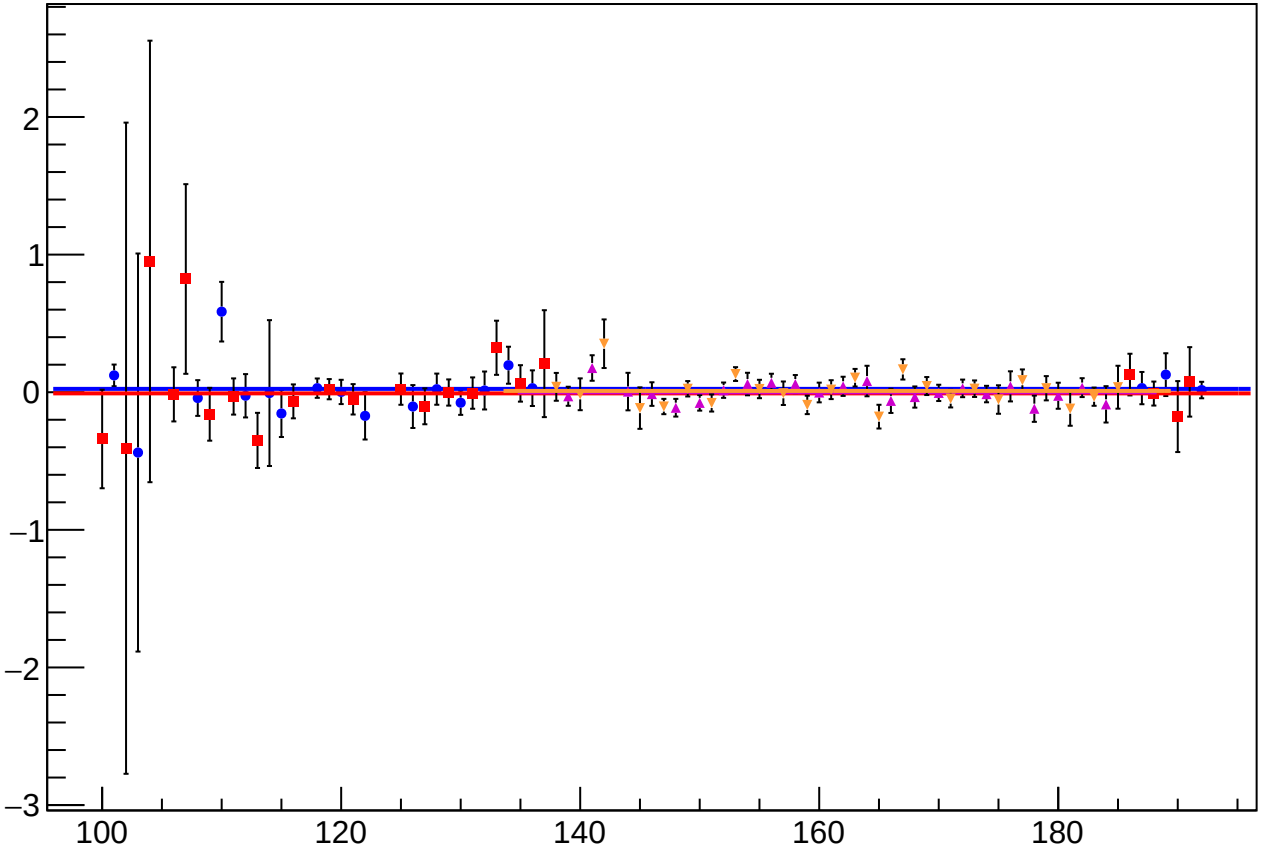
Right: 69.865+/-0.014 χ^2/NDF: 5708380.7/40

In: 61.266+/-0.009 χ^2/NDF:3872715.7/41

Out: 61.312+/-0.010 χ^2/NDF:5907413.2/45

All: 61.289+/-0.007 χ^2/NDF: 9780140.8/87

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: -0.008+/-0.030 χ^2/NDF: 12.2/21

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

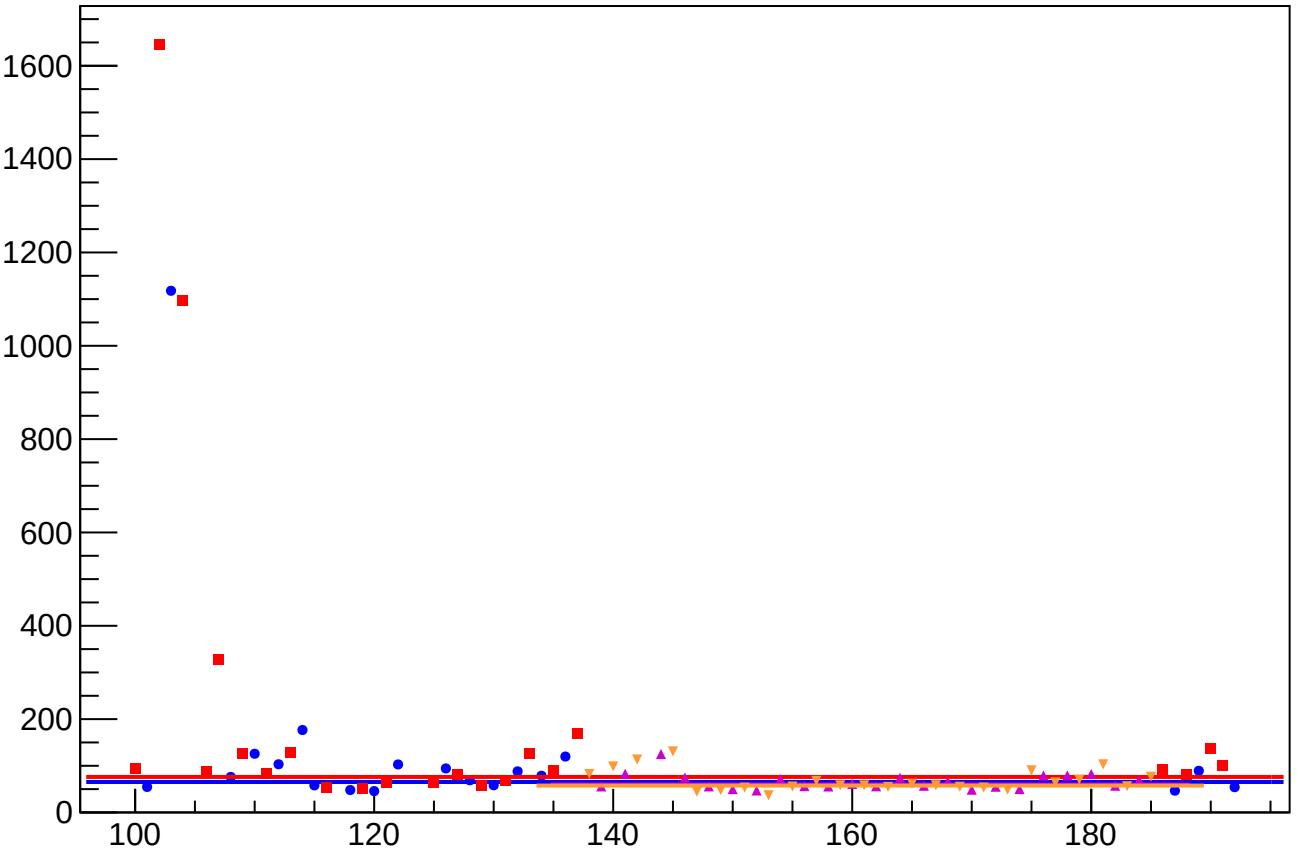
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.011+/-0.020 χ^2/NDF: 28.2/40

In: 0.006+/-0.013 χ^2/NDF:31.6/41

Out: 0.006+/-0.014 χ^2/NDF:47.2/45

All: 0.006+/-0.009 χ^2/NDF: 78.7/87



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: 76.100+/-0.021 χ^2/NDF: 3093536.6/21

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

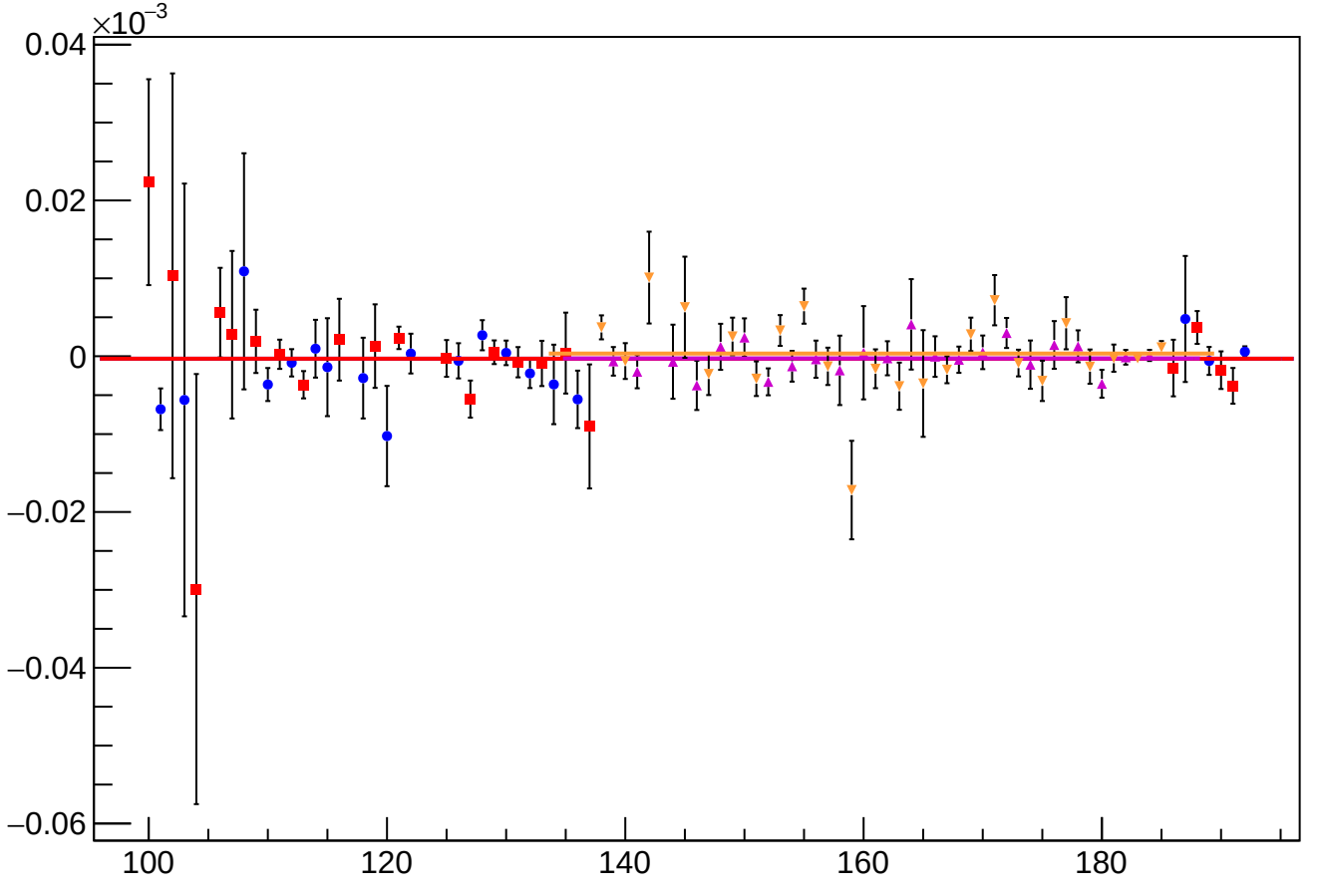
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 69.865+/-0.014 χ^2/NDF: 5708380.7/40

In: 61.266+/-0.009 χ^2/NDF:3872715.7/41

Out: 61.312+/-0.010 χ^2/NDF:5907413.2/45

All: 61.289+/-0.007 χ^2/NDF: 9780140.8/87



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: 26.0/21

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

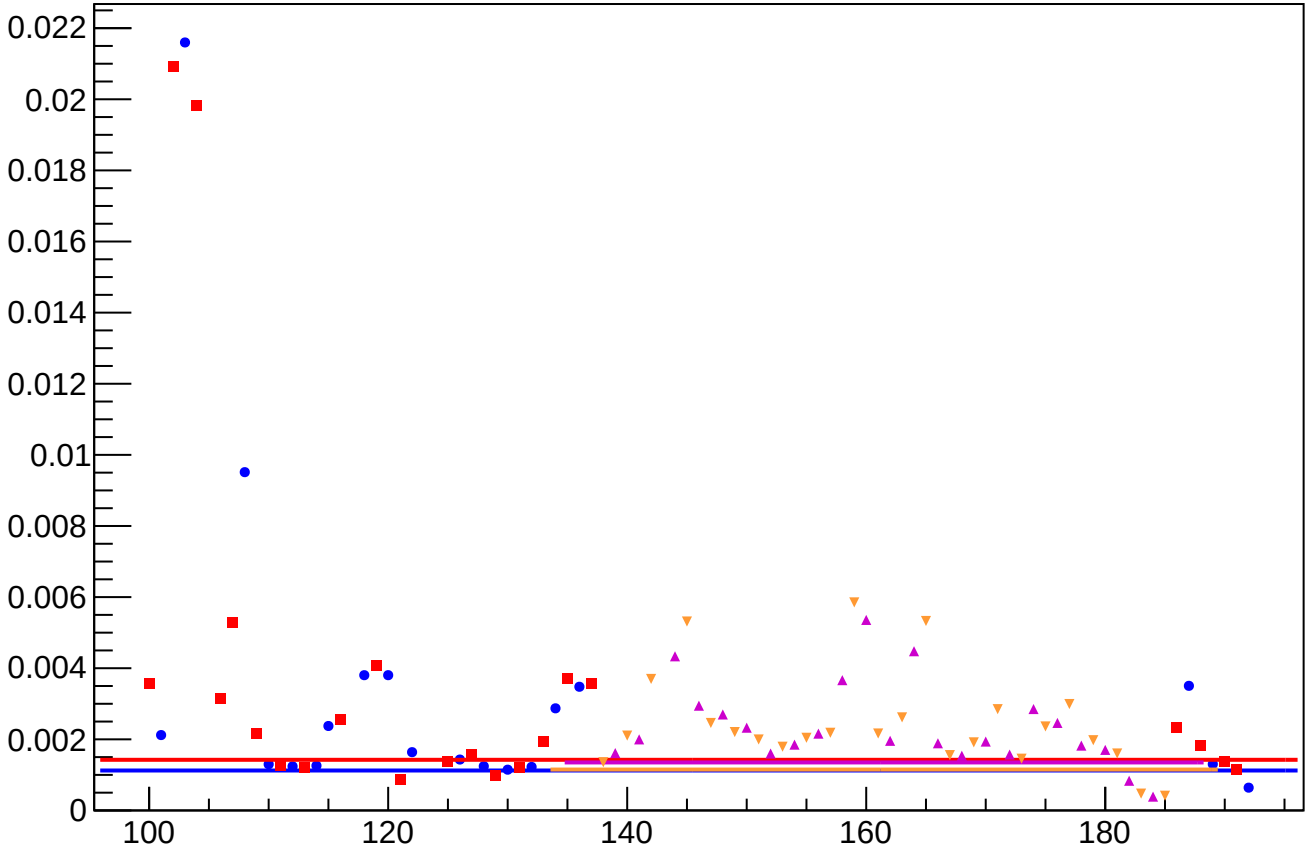
Right: -0.000+/-0.000 χ^2/NDF: 46.1/40

In: -0.000+/-0.000 χ^2/NDF:35.0/41

Out: 0.000+/-0.000 χ^2/NDF:73.7/45

All: -0.000+/-0.000 χ^2/NDF: 110.0/87

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: 4498884.6/21

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

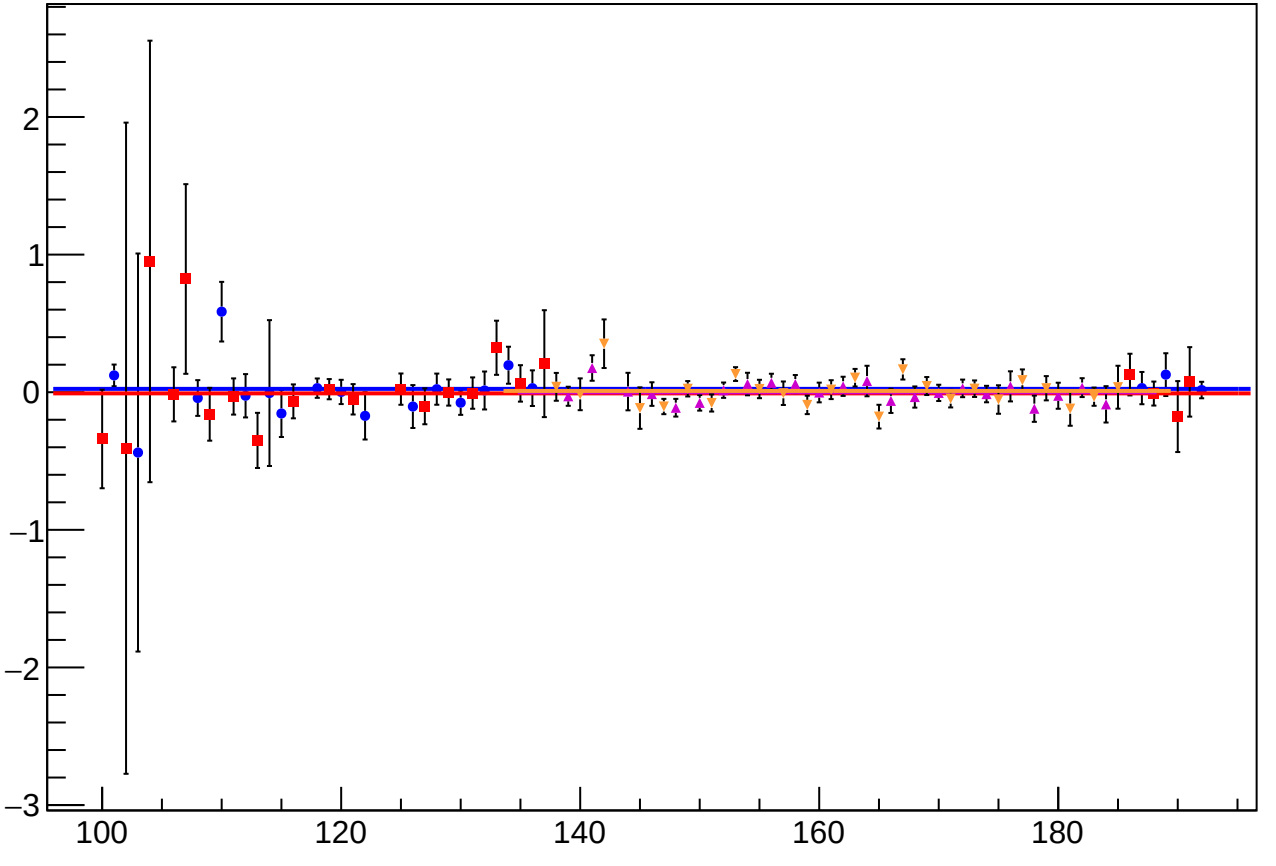
Right: 0.001+/-0.000 χ^2/NDF: 10170100.0/40

In: 0.001+/-0.000 χ^2/NDF:15862877.4/41

Out: 0.001+/-0.000 χ^2/NDF:18087995.5/45

All: 0.001+/-0.000 χ^2/NDF: 33963982.7/87

asym_atl1_eigen_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: -0.008+/-0.030 χ^2/NDF: 12.2/21

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

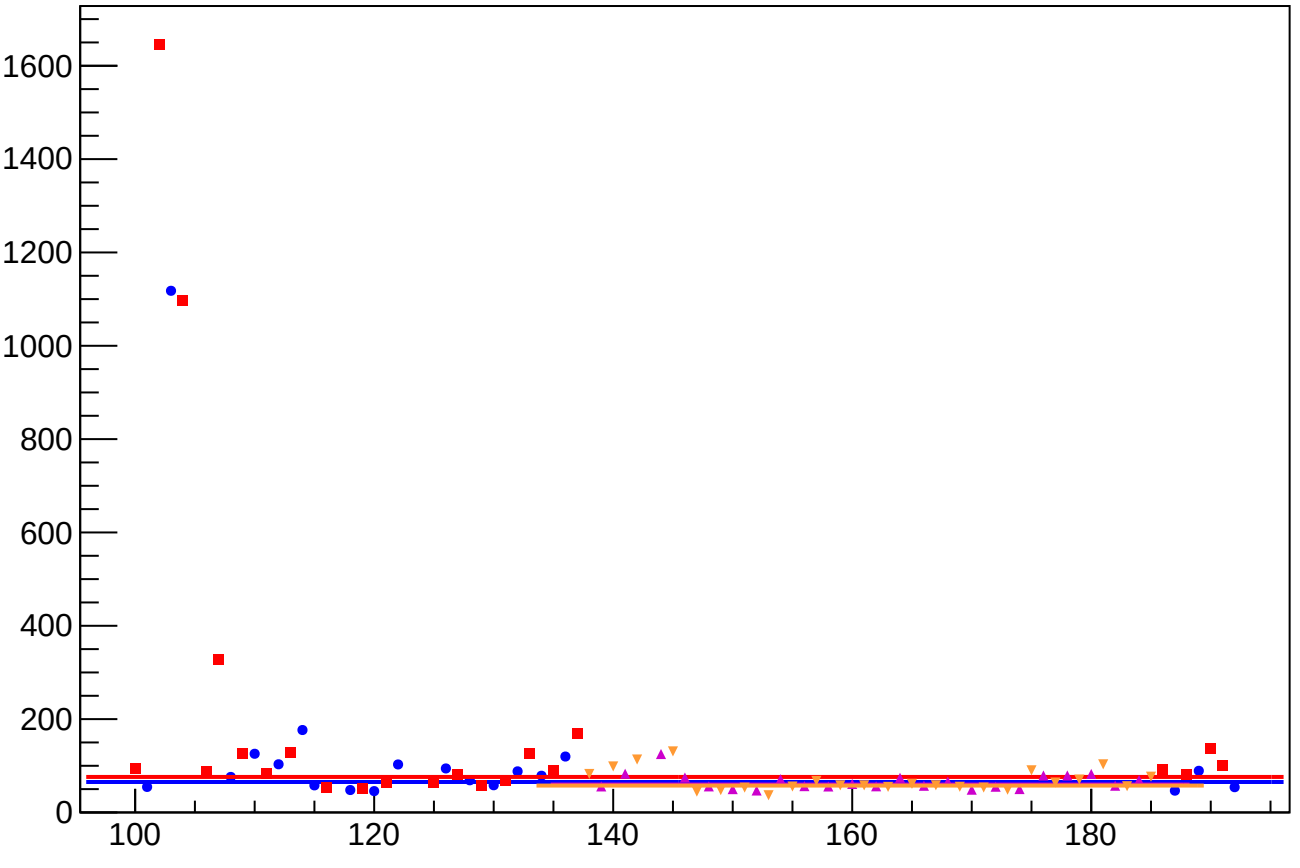
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.011+/-0.020 χ^2/NDF: 28.2/40

In: 0.006+/-0.013 χ^2/NDF:31.6/41

Out: 0.006+/-0.014 χ^2/NDF:47.2/45

All: 0.006+/-0.009 χ^2/NDF: 78.7/87



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: 76.099+/-0.021 χ^2/NDF: 3093553.7/21

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

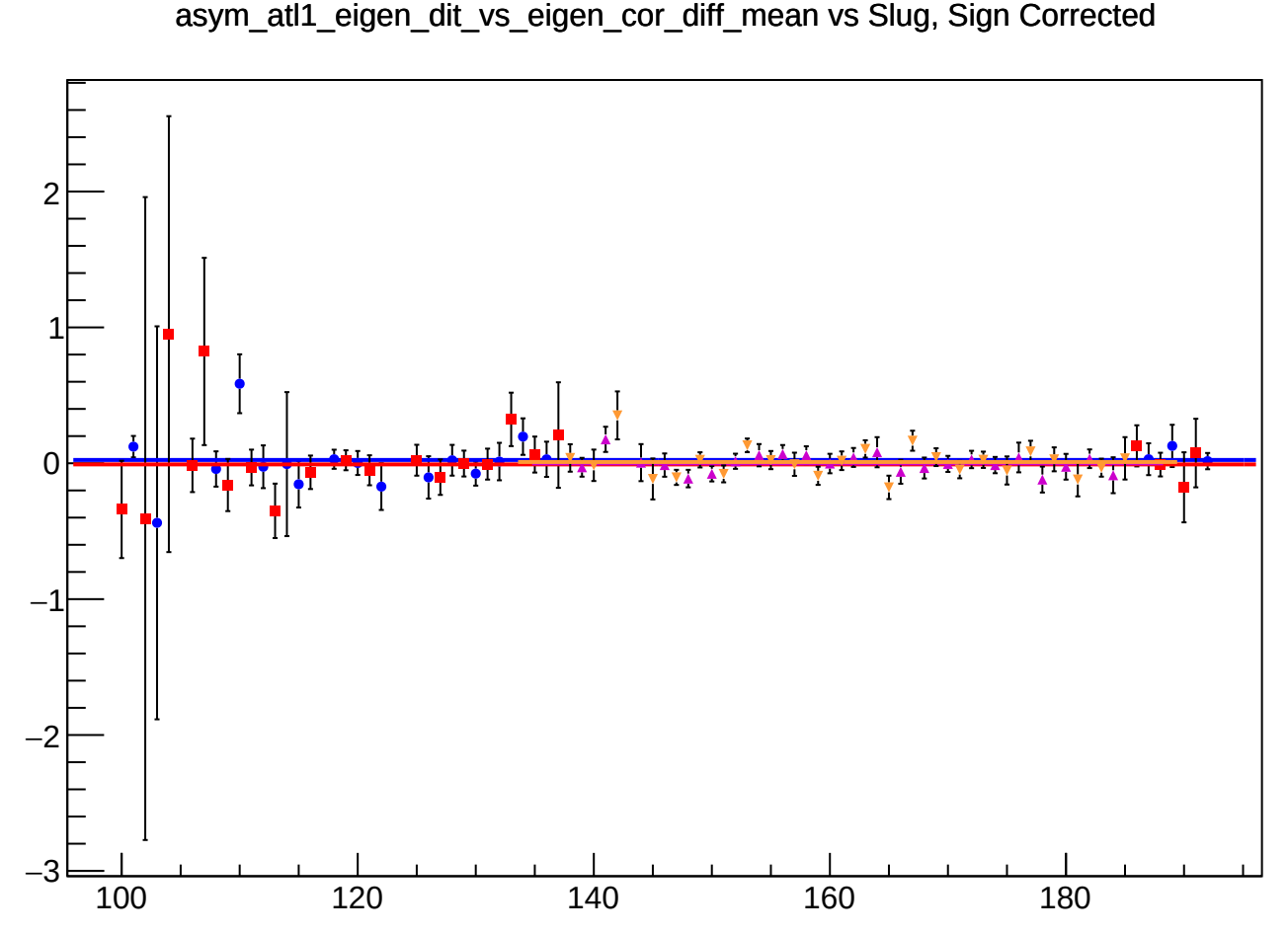
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 69.865+/-0.014 χ^2/NDF: 5708495.9/40

In: 61.266+/-0.009 χ^2/NDF:3872762.7/41

Out: 61.312+/-0.010 χ^2/NDF:5907473.0/45

All: 61.289+/-0.007 χ^2/NDF: 9780247.6/87



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: -0.008+/-0.030 χ^2/NDF: 12.2/21

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

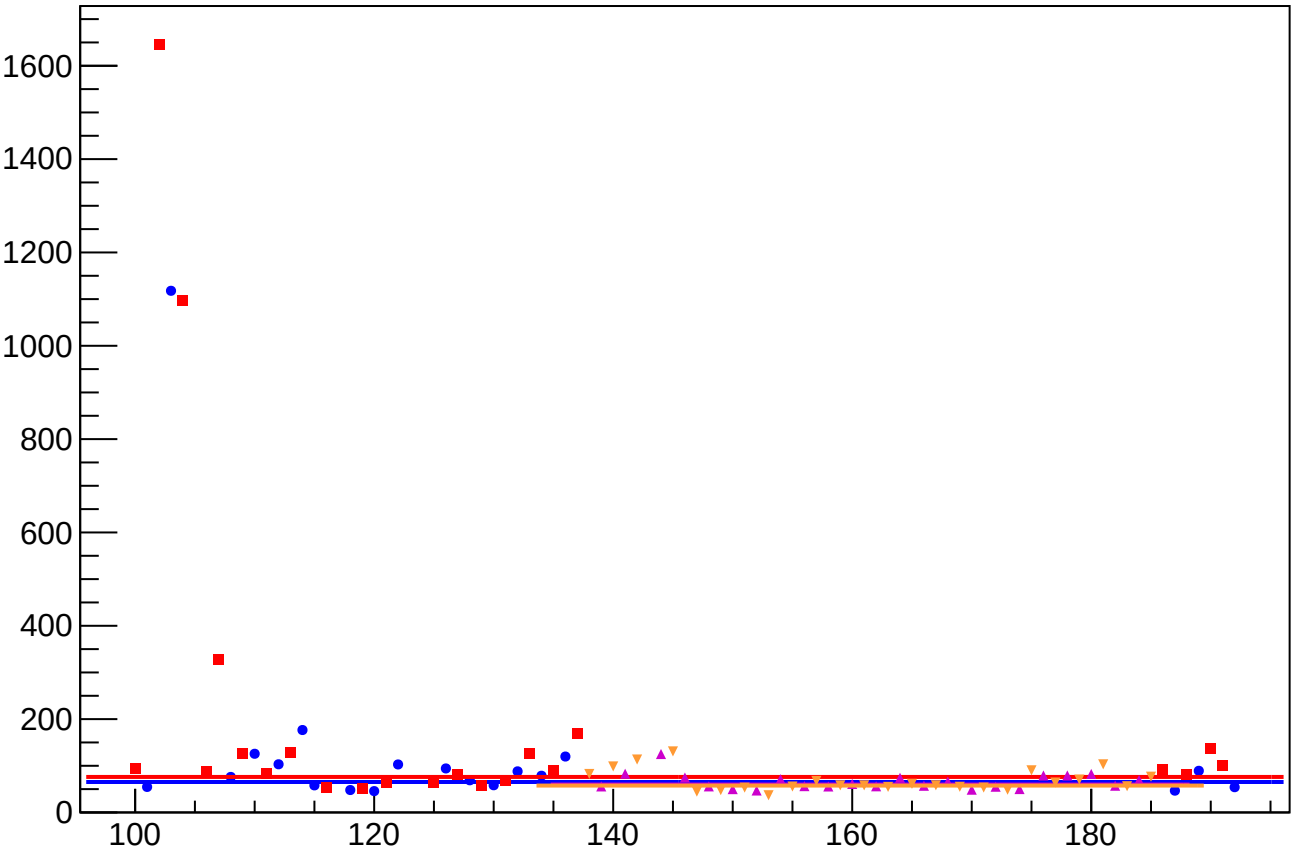
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.011+/-0.020 χ^2/NDF: 28.2/40

In: 0.006+/-0.013 χ^2/NDF:31.6/41

Out: 0.006+/-0.014 χ^2/NDF:47.2/45

All: 0.006+/-0.009 χ^2/NDF: 78.7/87



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: 76.099+/-0.021 χ^2/NDF: 3093553.7/21

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

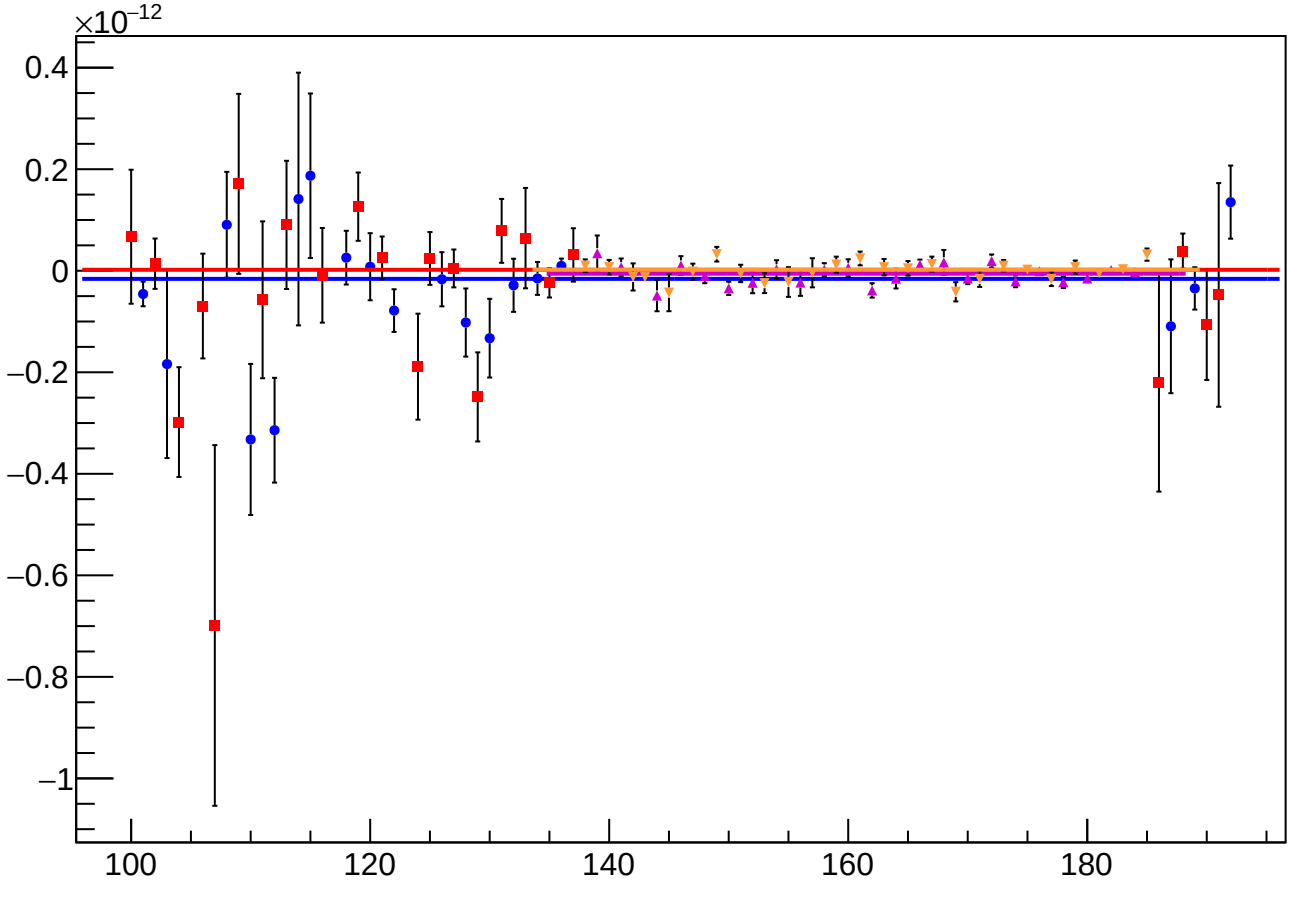
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 69.865+/-0.014 χ^2/NDF: 5708495.9/40

In: 61.266+/-0.009 χ^2/NDF:3872762.7/41

Out: 61.312+/-0.010 χ^2/NDF:5907473.0/45

All: 61.289+/-0.007 χ^2/NDF: 9780247.6/87



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: 35.6/22

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

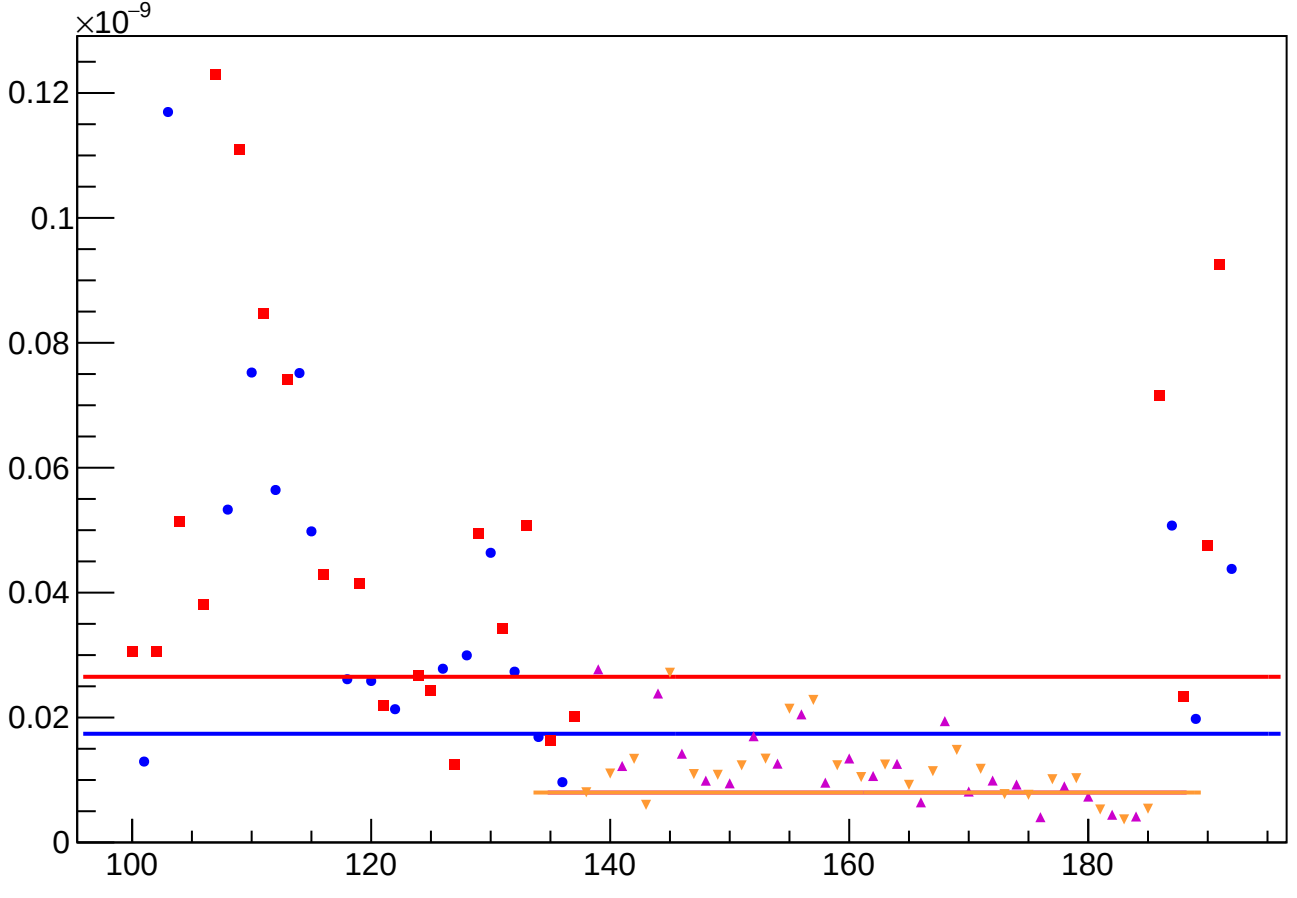
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 70.2/41

In: -0.000+/-0.000 χ^2/NDF:67.0/41

Out: 0.000+/-0.000 χ^2/NDF:67.5/47

All: -0.000+/-0.000 χ^2/NDF: 140.6/89



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: 2707724.4/22

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

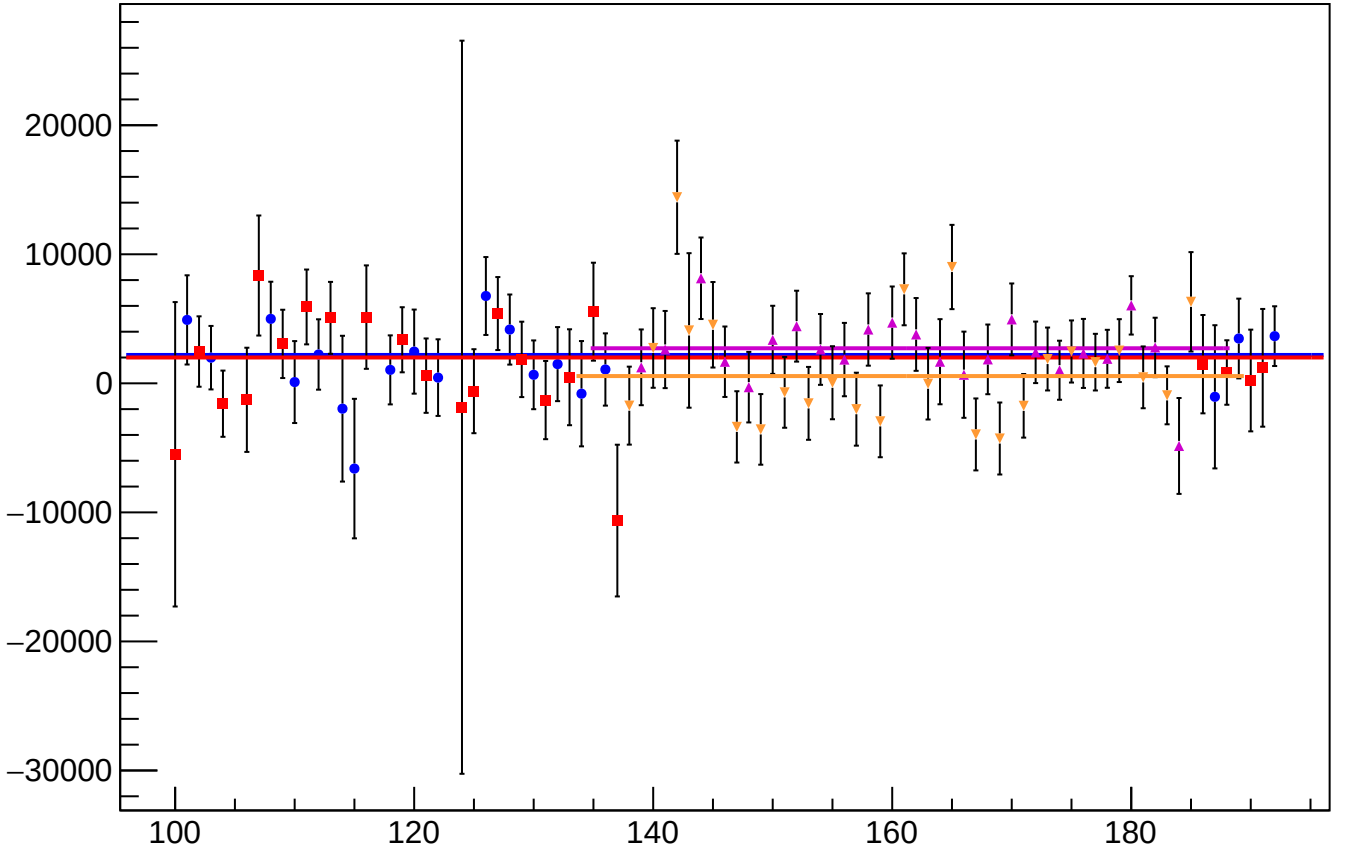
Right: 0.000+/-0.000 χ^2/NDF: 6583379.2/41

In: 0.000+/-0.000 χ^2/NDF:10225208.7/41

Out: 0.000+/-0.000 χ^2/NDF:11500217.8/47

All: 0.000+/-0.000 χ^2/NDF: 21725515.0/89

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: 2002.568+/-691.628 χ^2/NDF: 18.7/22

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

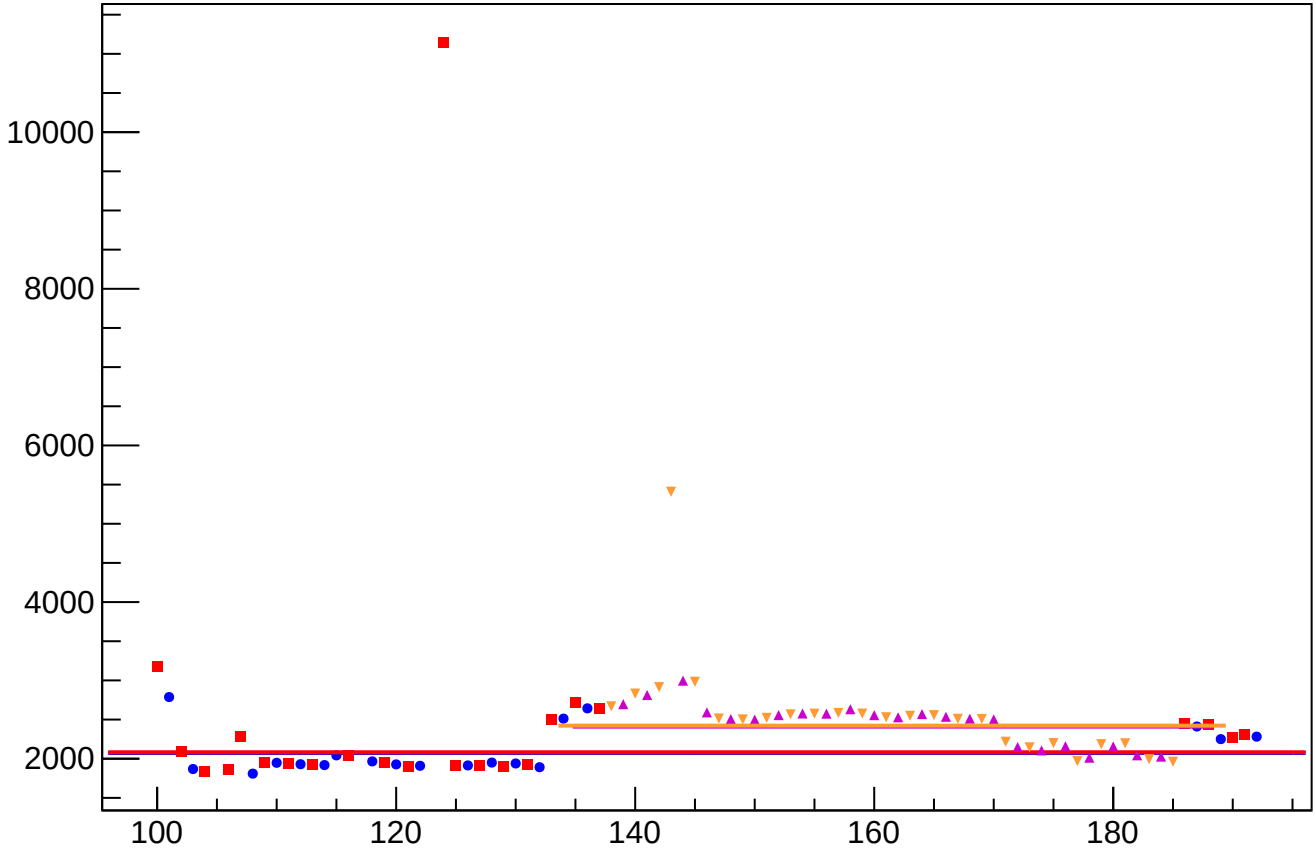
Right: 2098.997+/-492.310 χ^2/NDF: 29.3/41

In: 2511.596+/-440.451 χ^2/NDF:25.2/41

Out: 1129.372+/-433.960 χ^2/NDF:65.3/47

All: 1810.224+/-309.125 χ^2/NDF: 95.4/89

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: 2082.069+/-0.489 χ^2/NDF: 472655.2/22

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

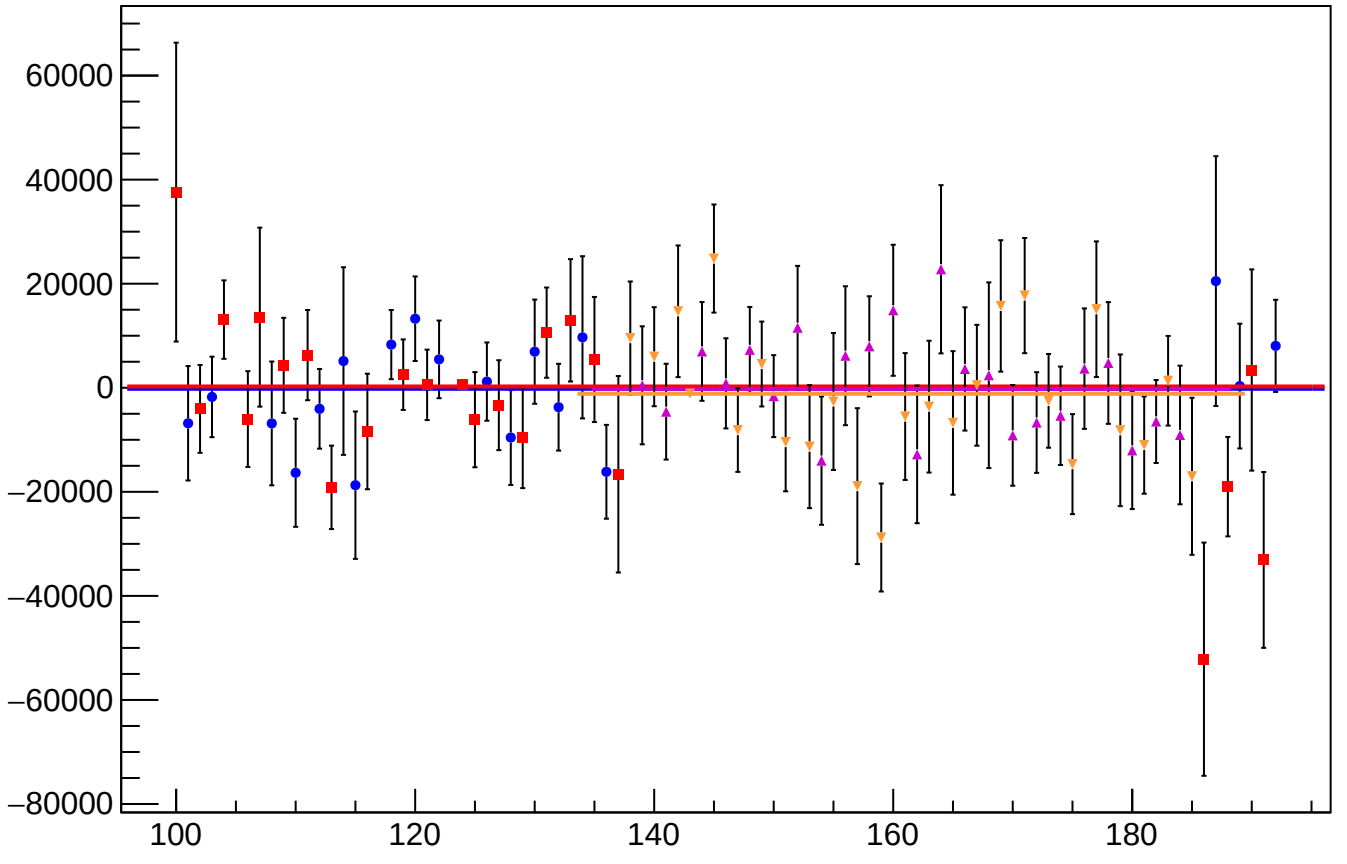
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2078.080+/-0.348 χ^2/NDF: 771176.2/41

In: 2277.210+/-0.311 χ^2/NDF:1004586.9/41

Out: 2288.265+/-0.307 χ^2/NDF:1718703.5/47

All: 2282.819+/-0.219 χ^2/NDF: 2723929.6/89



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: 247.329+/-763.987 χ^2/NDF: 32.0/22

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

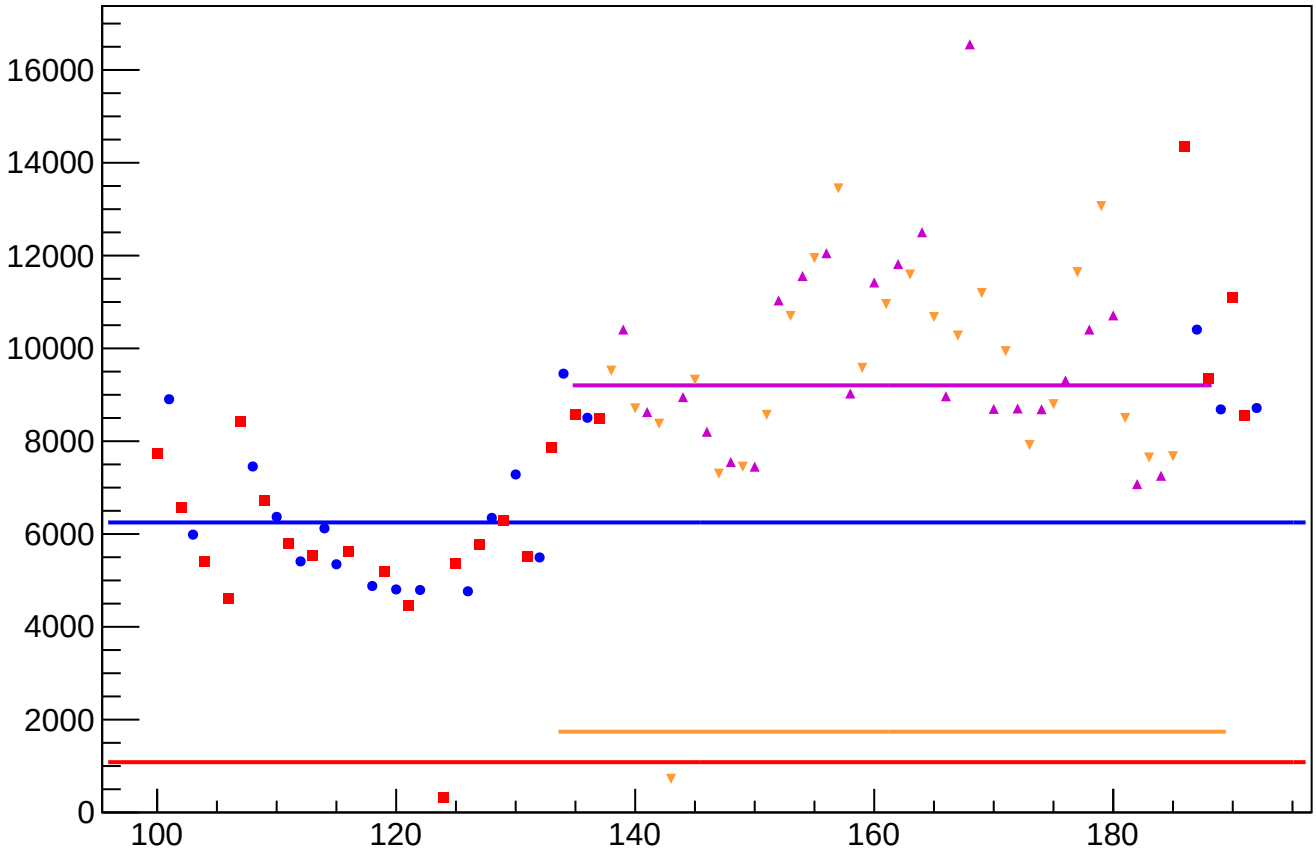
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 197.821+/-720.311 χ^2/NDF: 49.1/41

In: -203.944+/-1540.082 χ^2/NDF:30.5/41

Out: -461.160+/-538.019 χ^2/NDF:65.7/47

All: -433.183+/-507.917 χ^2/NDF: 96.1/89



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: 1083.583+/-0.540 χ^2/NDF: 14574373.2/22

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

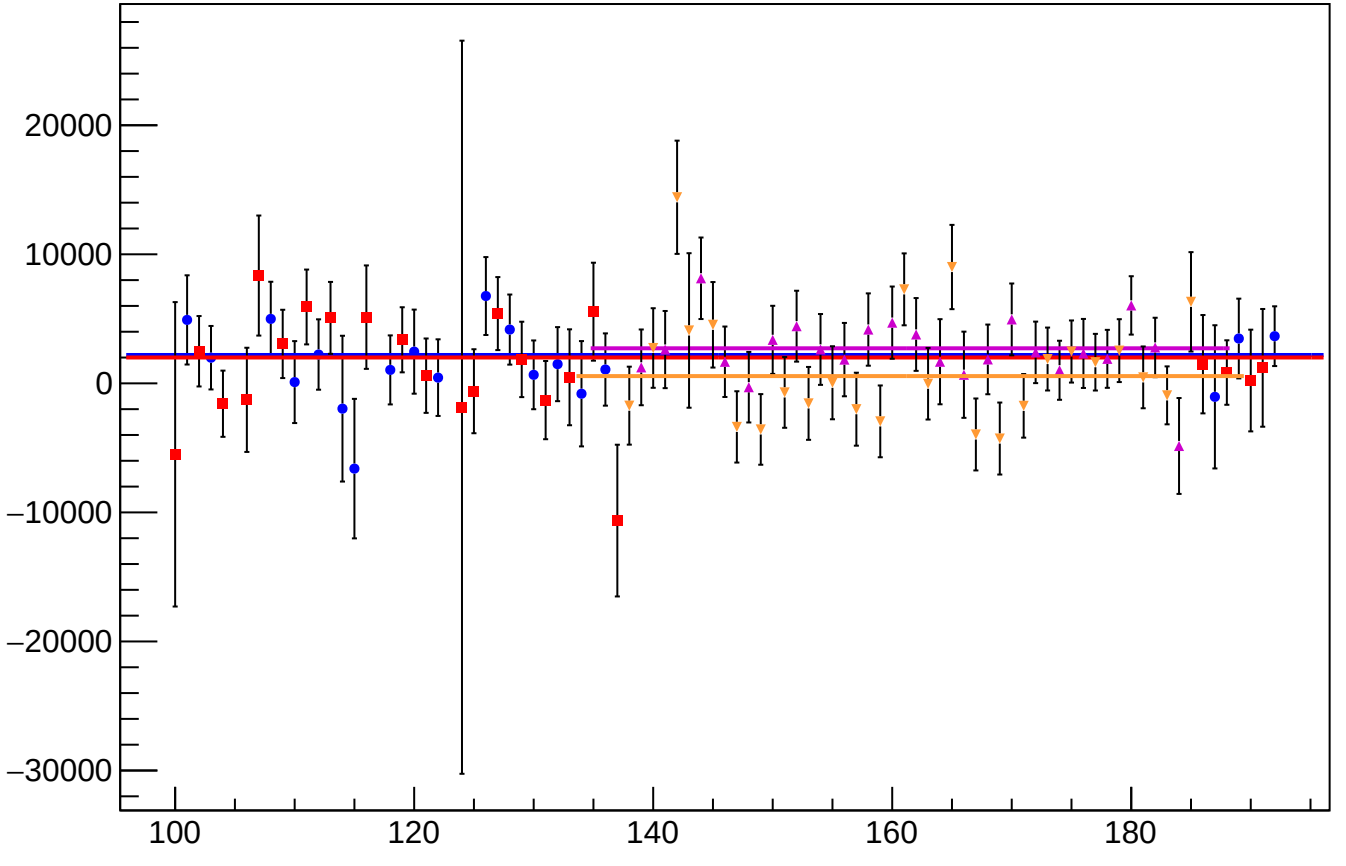
Right: 1657.364+/-0.509 χ^2/NDF: 25750249.8/41

In: 7703.807+/-1.089 χ^2/NDF:4130415.4/41

Out: 1414.306+/-0.380 χ^2/NDF:43051949.0/47

All: 2098.397+/-0.359 χ^2/NDF: 76910352.3/8

cor_asym_atl2_mean vs Slug, Sign Corrected



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: 2004.087+/-691.634 χ^2/NDF: 18.7/22

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

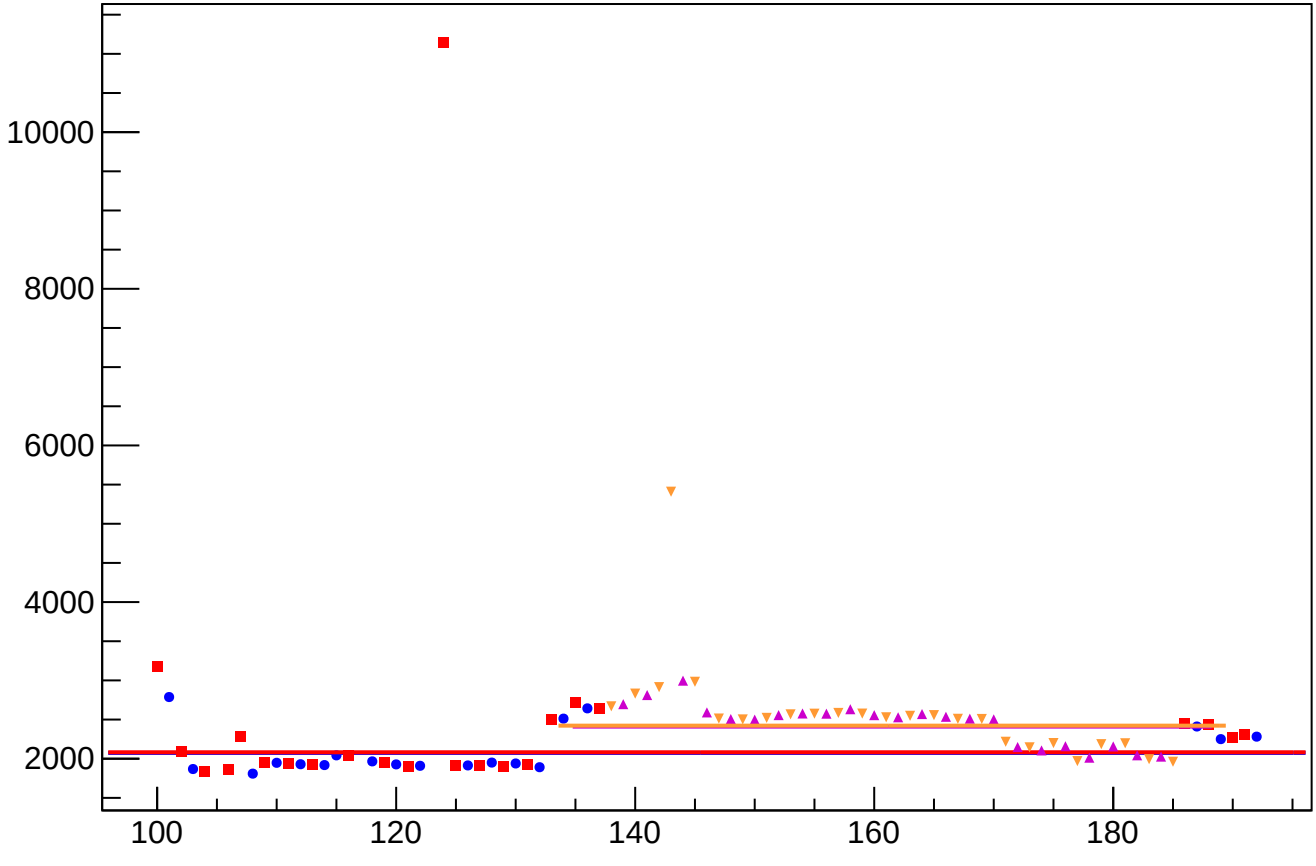
Right: 2099.826+/-492.312 χ^2/NDF: 29.3/41

In: 2511.619+/-440.451 χ^2/NDF:25.2/41

Out: 1129.966+/-433.961 χ^2/NDF:65.3/47

All: 1810.539+/-309.126 χ^2/NDF: 95.5/89

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: 2082.088+/-0.489 χ^2/NDF: 472657.5/22

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

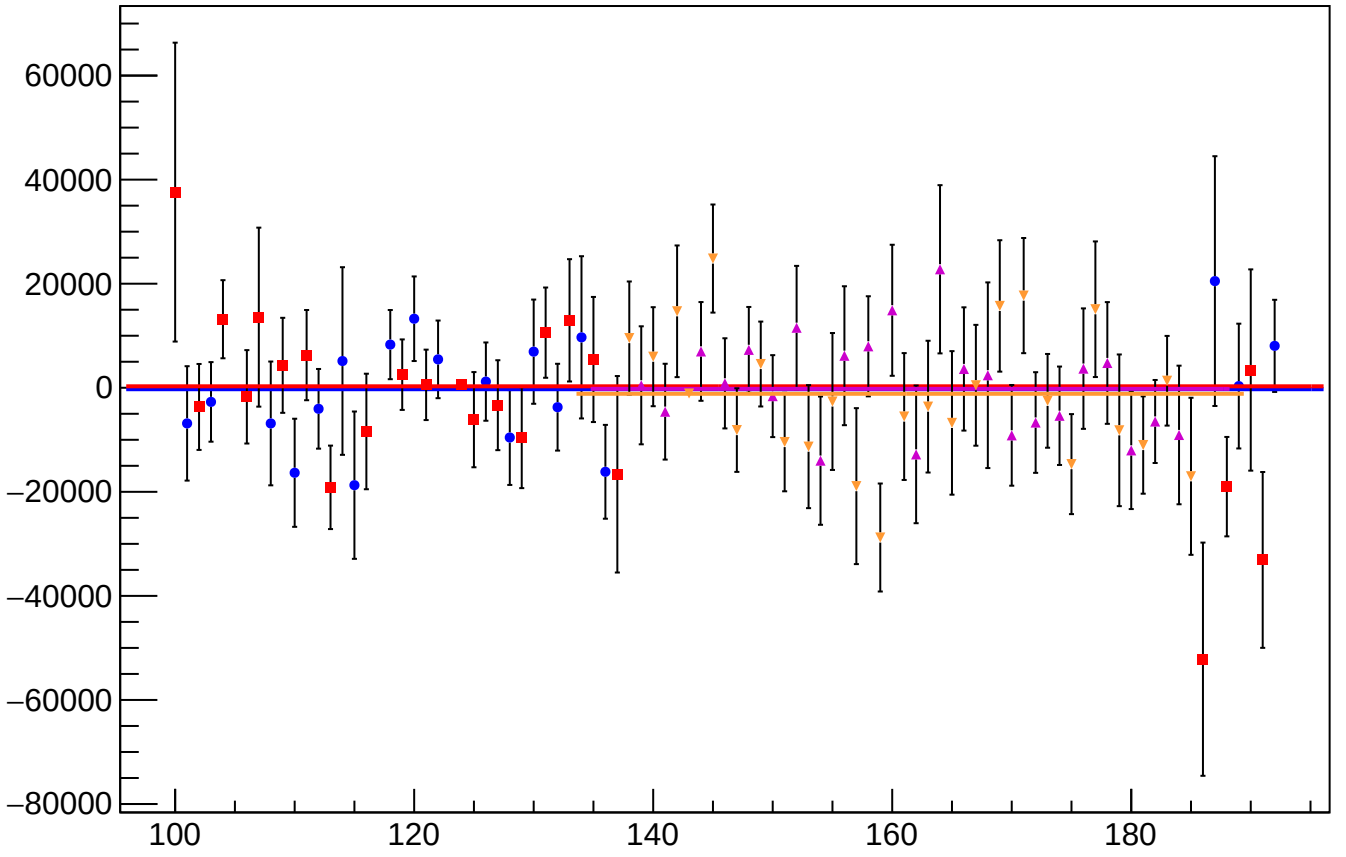
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2078.090+/-0.348 χ^2/NDF: 771179.0/41

In: 2277.210+/-0.311 χ^2/NDF:1004587.0/41

Out: 2288.274+/-0.307 χ^2/NDF:1718670.0/47

All: 2282.824+/-0.219 χ^2/NDF: 2723897.3/89



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: 280.486+/-763.653 χ^2/NDF: 31.6/22

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

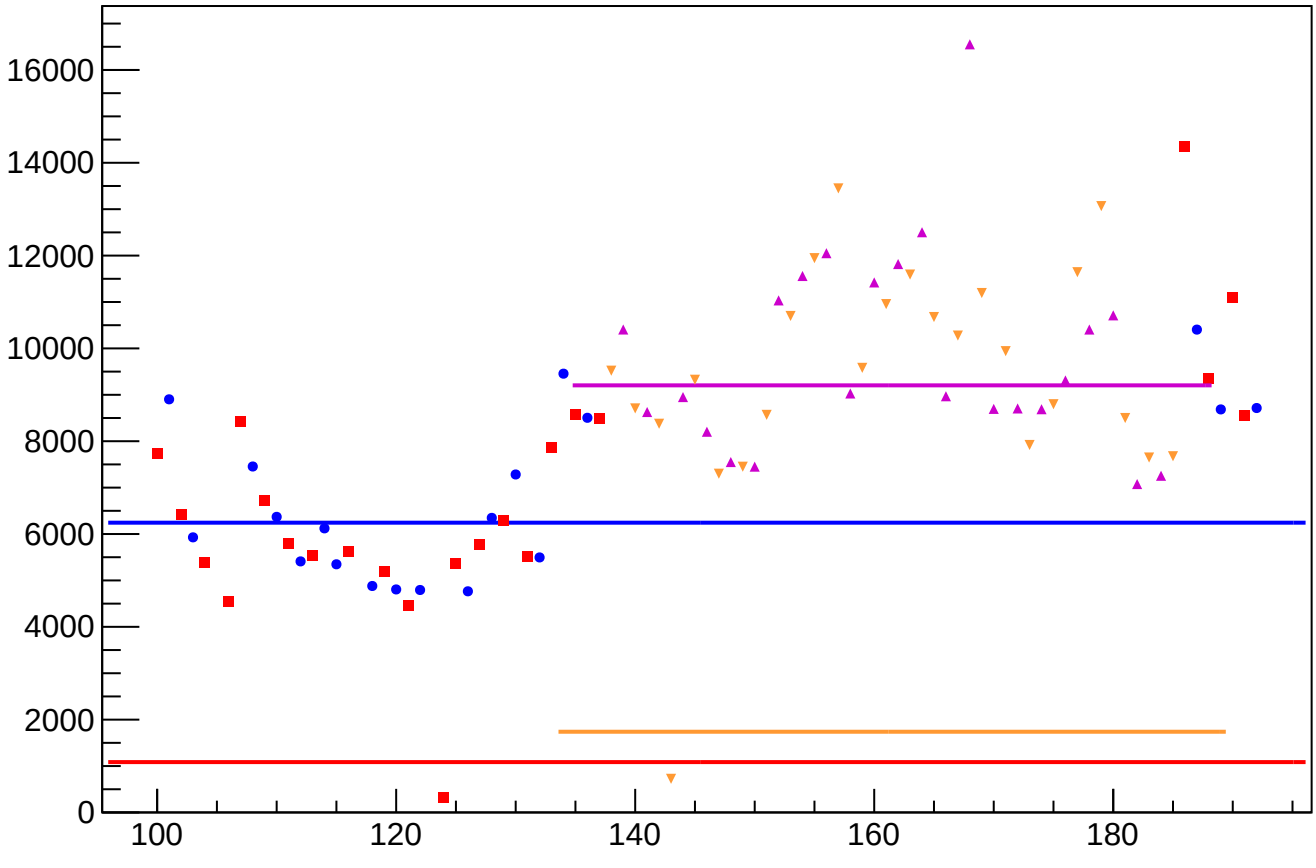
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 218.348+/-719.957 χ^2/NDF: 48.8/41

In: -244.554+/-1539.355 χ^2/NDF:30.5/41

Out: -444.342+/-537.879 χ^2/NDF:65.3/47

All: -422.604+/-507.773 χ^2/NDF: 95.9/89



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: 1085.205+/-0.540 χ^2/NDF: 14569382.8/22

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

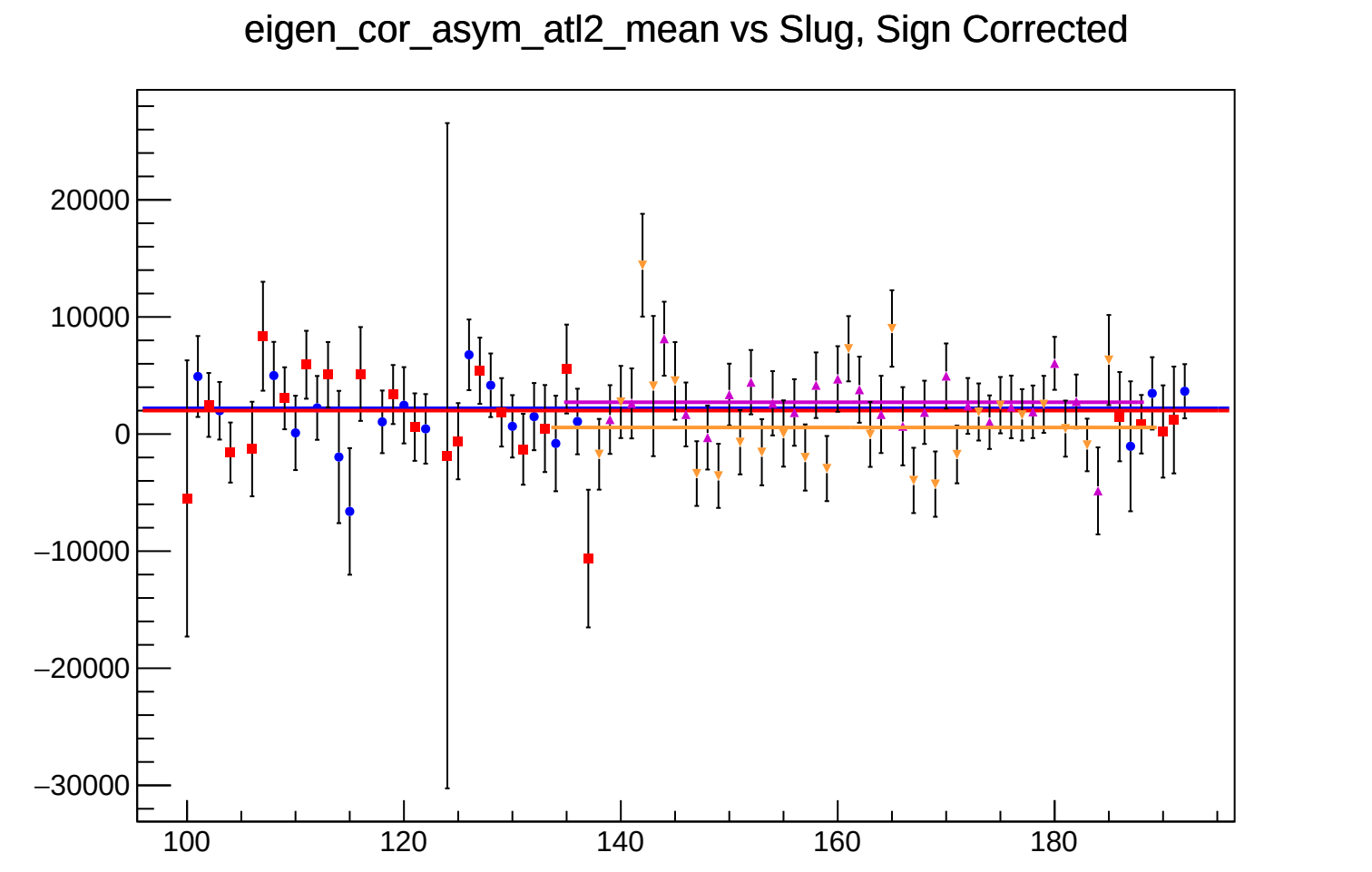
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 1658.731+/-0.509 χ^2/NDF: 25737340.0/41

In: 7699.795+/-1.088 χ^2/NDF:4139650.5/41

Out: 1414.877+/-0.380 χ^2/NDF:43044192.9/47

All: 2098.729+/-0.359 χ^2/NDF: 76895226.6/8



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: 2004.087+/-691.634 χ^2/NDF: 18.7/22

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

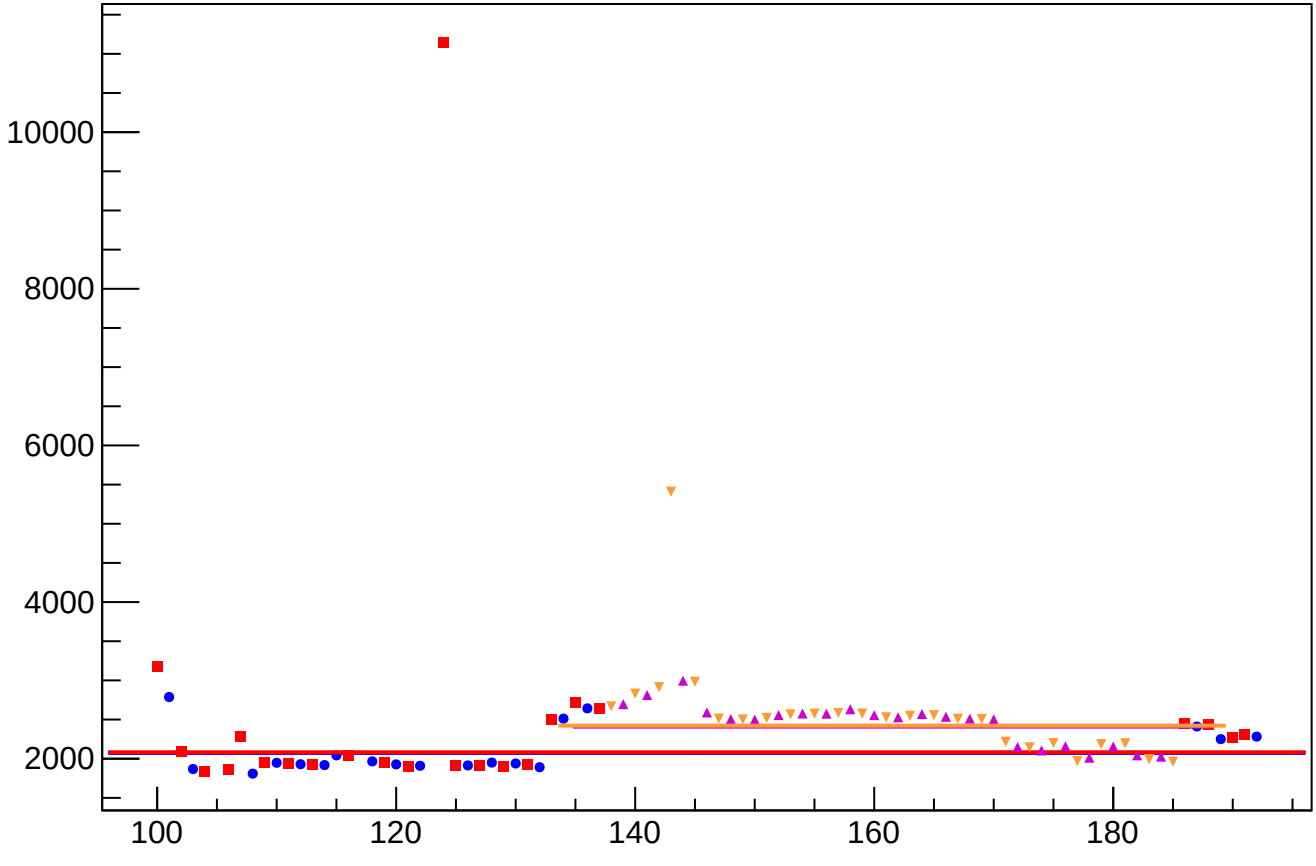
Right: 2099.826+/-492.312 χ^2/NDF: 29.3/41

In: 2511.619+/-440.451 χ^2/NDF:25.2/41

Out: 1129.966+/-433.961 χ^2/NDF:65.3/47

All: 1810.539+/-309.126 χ^2/NDF: 95.5/89

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: 2082.088+/-0.489 χ^2/NDF: 472657.5/22

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

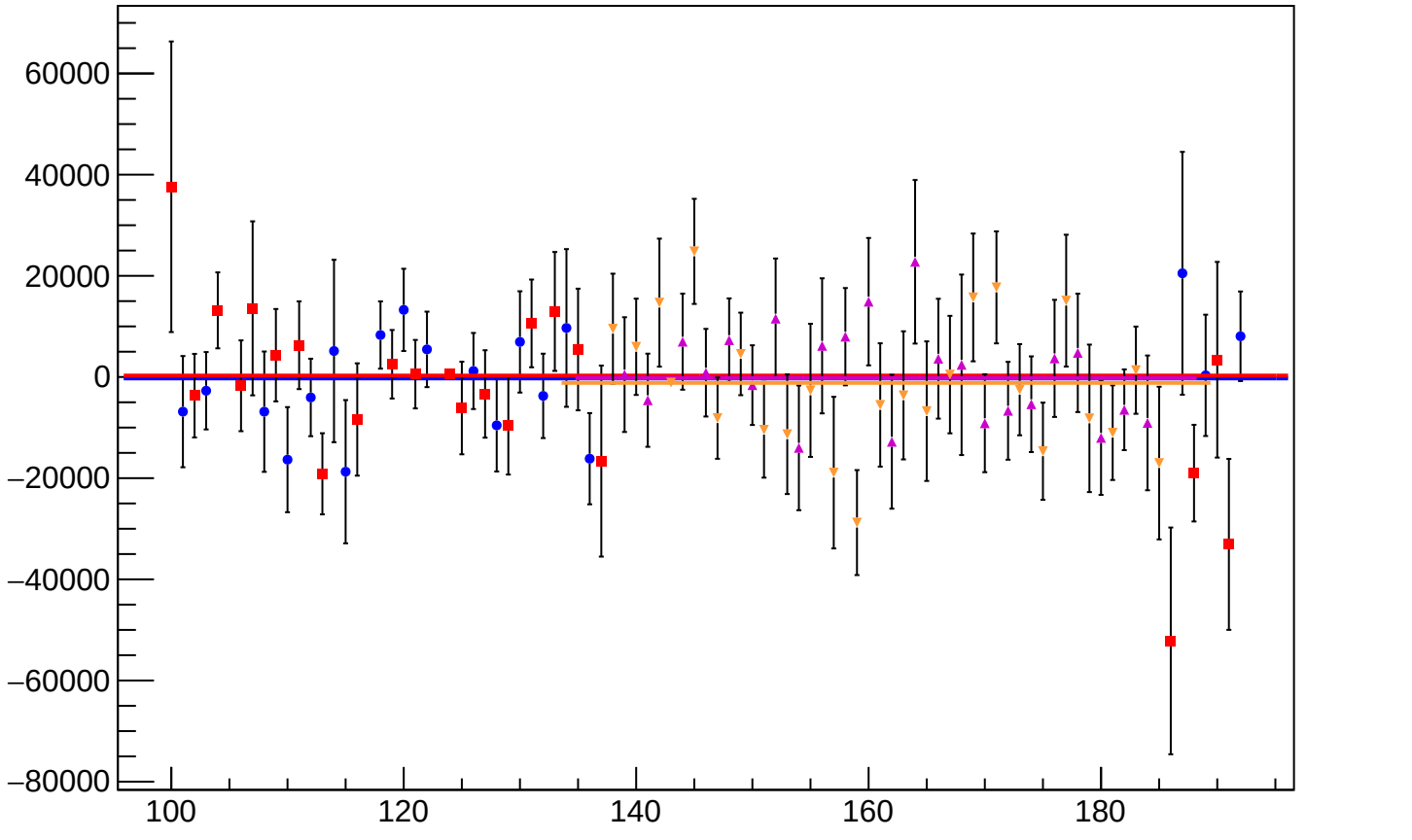
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2078.090+/-0.348 χ^2/NDF: 771179.0/41

In: 2277.210+/-0.311 χ^2/NDF:1004587.0/41

Out: 2288.274+/-0.307 χ^2/NDF:1718670.0/47

All: 2282.824+/-0.219 χ^2/NDF: 2723897.3/89



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: 280.486+/-763.653 χ^2/NDF: 31.6/22

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

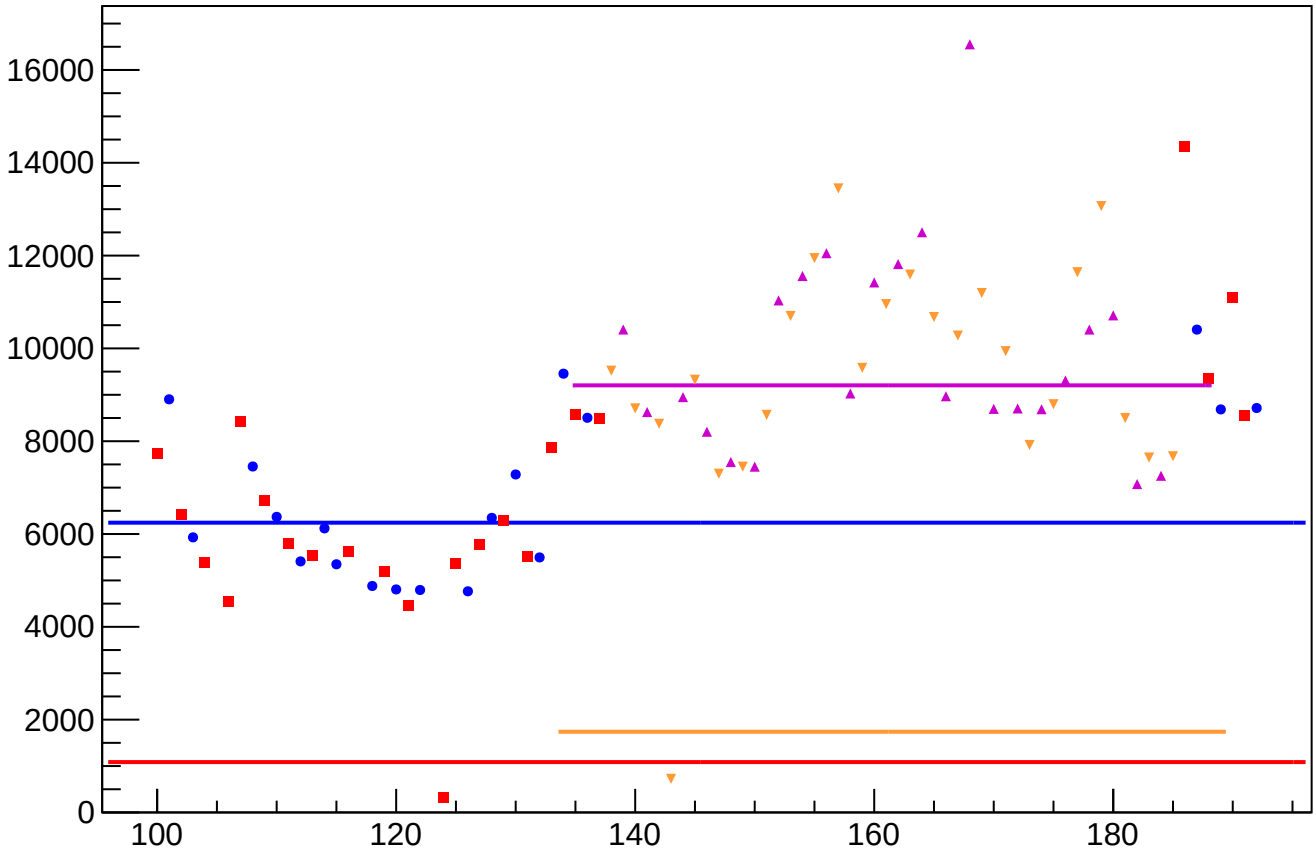
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 218.348+/-719.957 χ^2/NDF: 48.8/41

In: -244.554+/-1539.355 χ^2/NDF:30.5/41

Out: -444.342+/-537.879 χ^2/NDF:65.3/47

All: -422.604+/-507.773 χ^2/NDF: 95.9/89



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: 1085.205+/-0.540 χ^2/NDF: 14569382.8/22

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

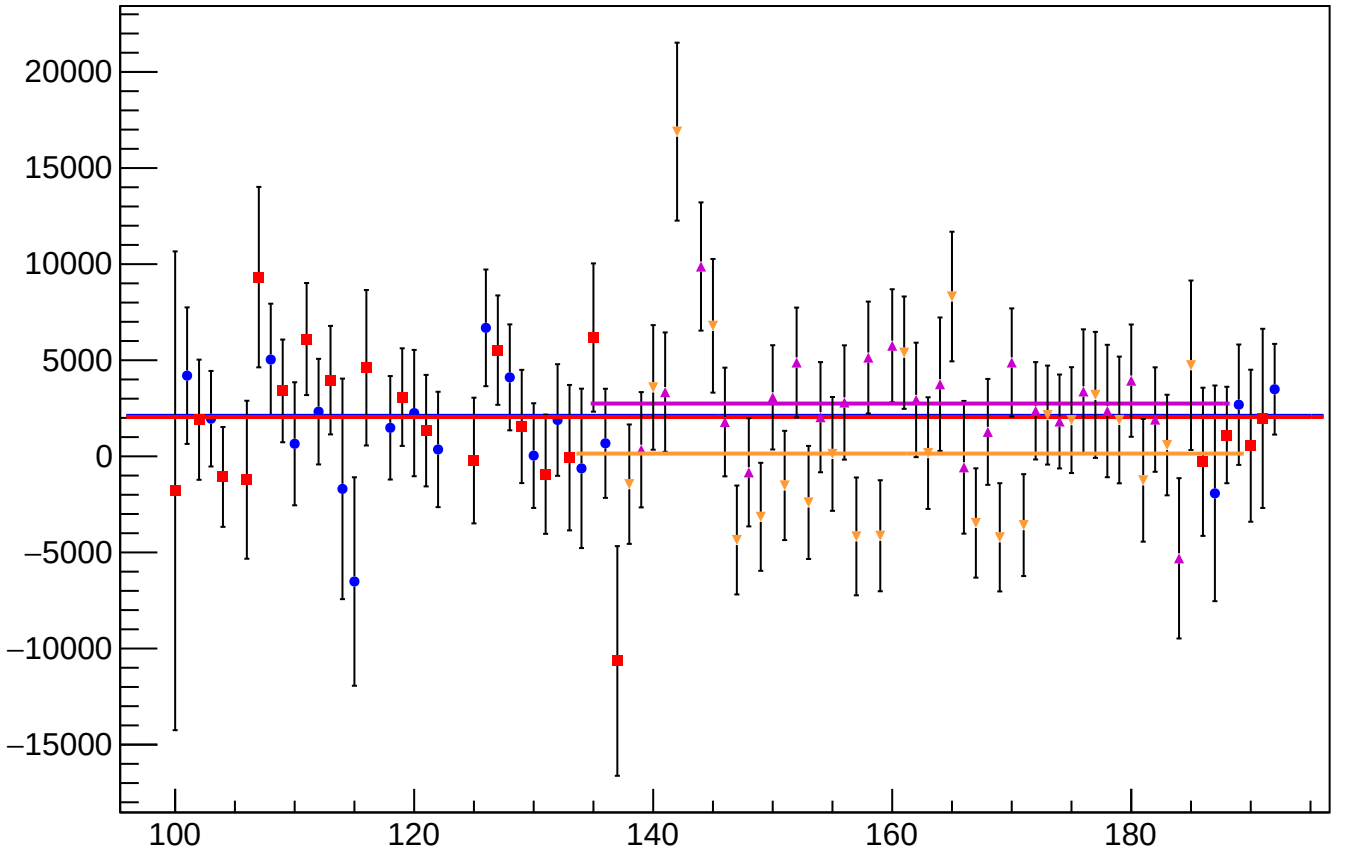
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 1658.731+/-0.509 χ^2/NDF: 25737340.0/41

In: 7699.795+/-1.088 χ^2/NDF:4139650.5/41

Out: 1414.877+/-0.380 χ^2/NDF:43044192.9/47

All: 2098.729+/-0.359 χ^2/NDF: 76895226.6/8



Right In: 2106.668+/-709.860 χ^2/NDF: 9.9/18

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 2045.490+/-704.127 χ^2/NDF: 17.4/21

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

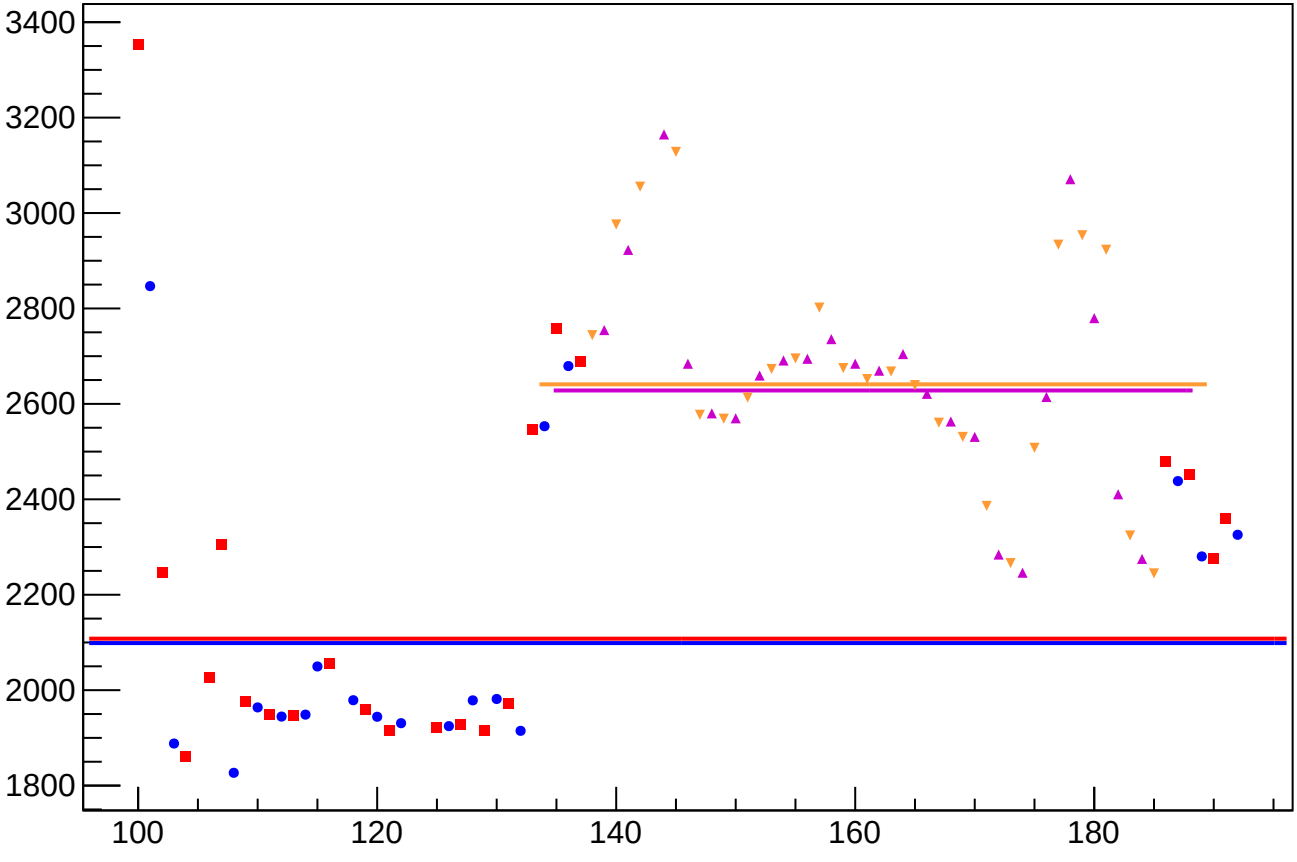
Right: 2075.831+/-499.908 χ^2/NDF: 27.3/40

In: 2471.295+/-465.302 χ^2/NDF:25.8/41

Out: 967.111+/-463.509 χ^2/NDF:67.4/45

All: 1716.299+/-328.382 χ^2/NDF: 98.4/87

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: 2107.939+/-0.497 χ^2/NDF: 274634.9/21

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

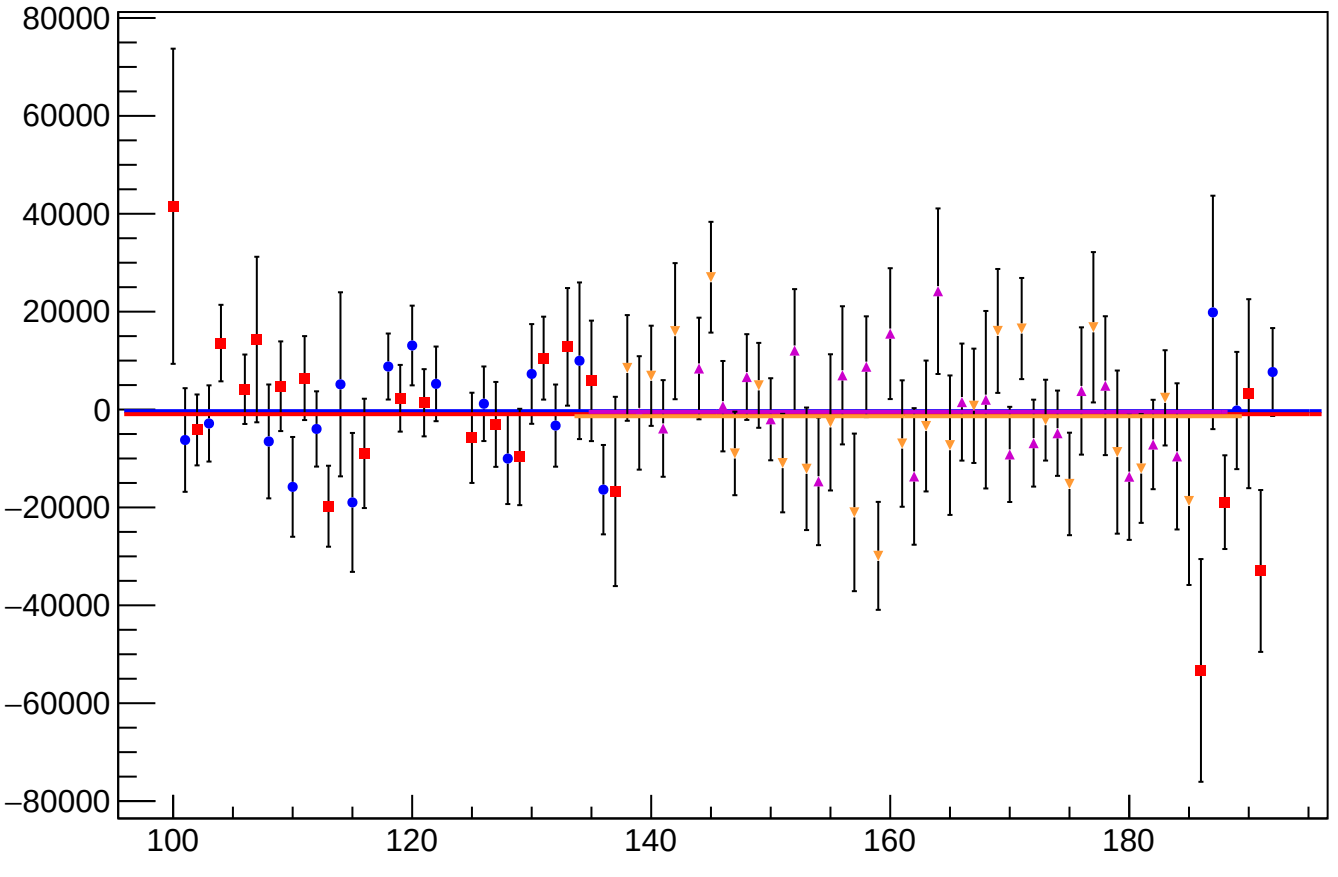
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2103.369+/-0.353 χ^2/NDF: 583679.2/40

In: 2400.651+/-0.329 χ^2/NDF:1180819.0/41

Out: 2409.676+/-0.328 χ^2/NDF:1178496.1/45

All: 2405.183+/-0.232 χ^2/NDF: 2359693.0/87



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: -945.392+/-2061.382 χ^2/NDF: 31.7/21

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

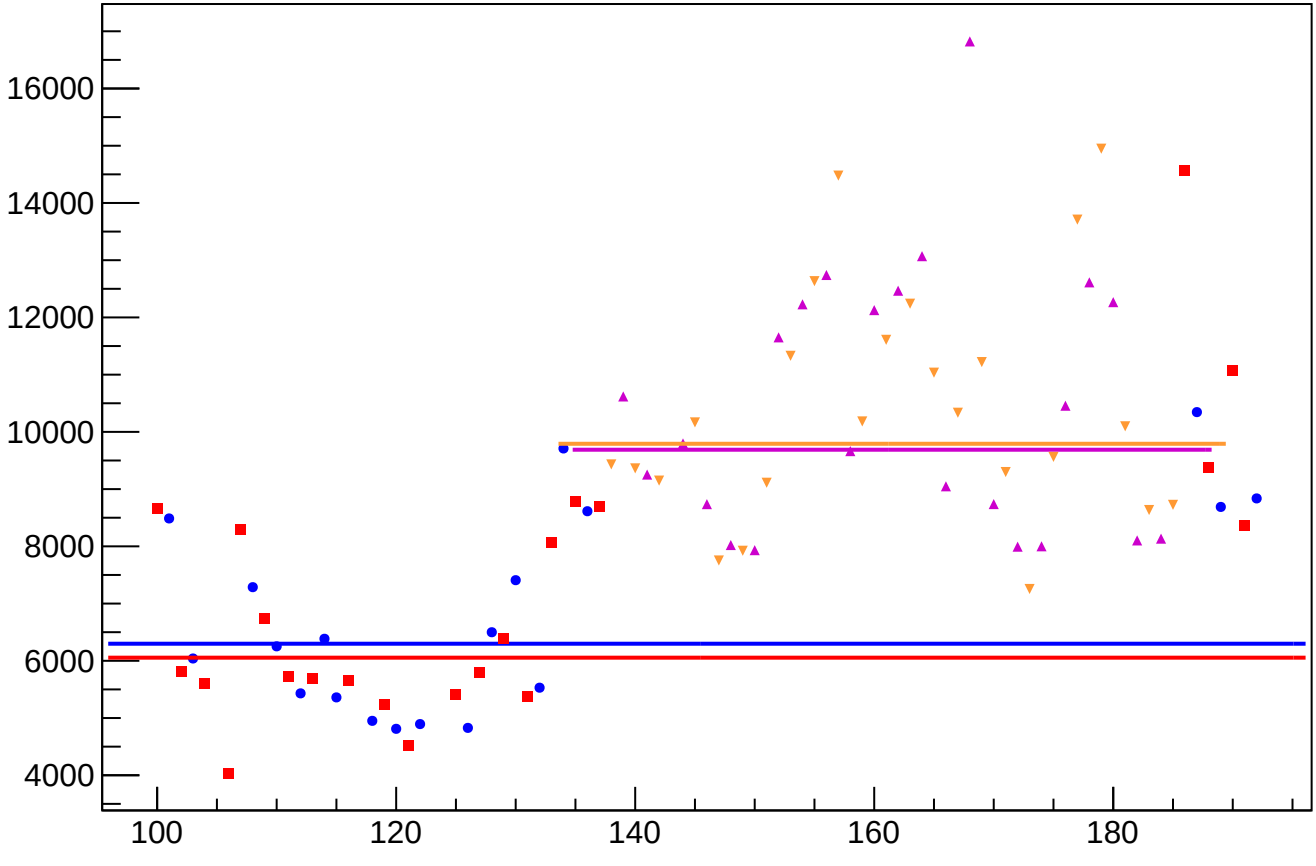
Right: -653.822+/-1496.726 χ^2/NDF: 48.7/40

In: -392.107+/-1585.632 χ^2/NDF:30.0/41

Out: -1130.763+/-1542.812 χ^2/NDF:63.0/45

All: -771.543+/-1105.761 χ^2/NDF: 93.1/87

asym_atl2_dit_correction_rms vs Slug, Sign Corrected



Right In: 6298.443+/-1.539 χ^2/NDF: 983349.0/18

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 6054.646+/-1.458 χ^2/NDF: 1280995.3/21

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

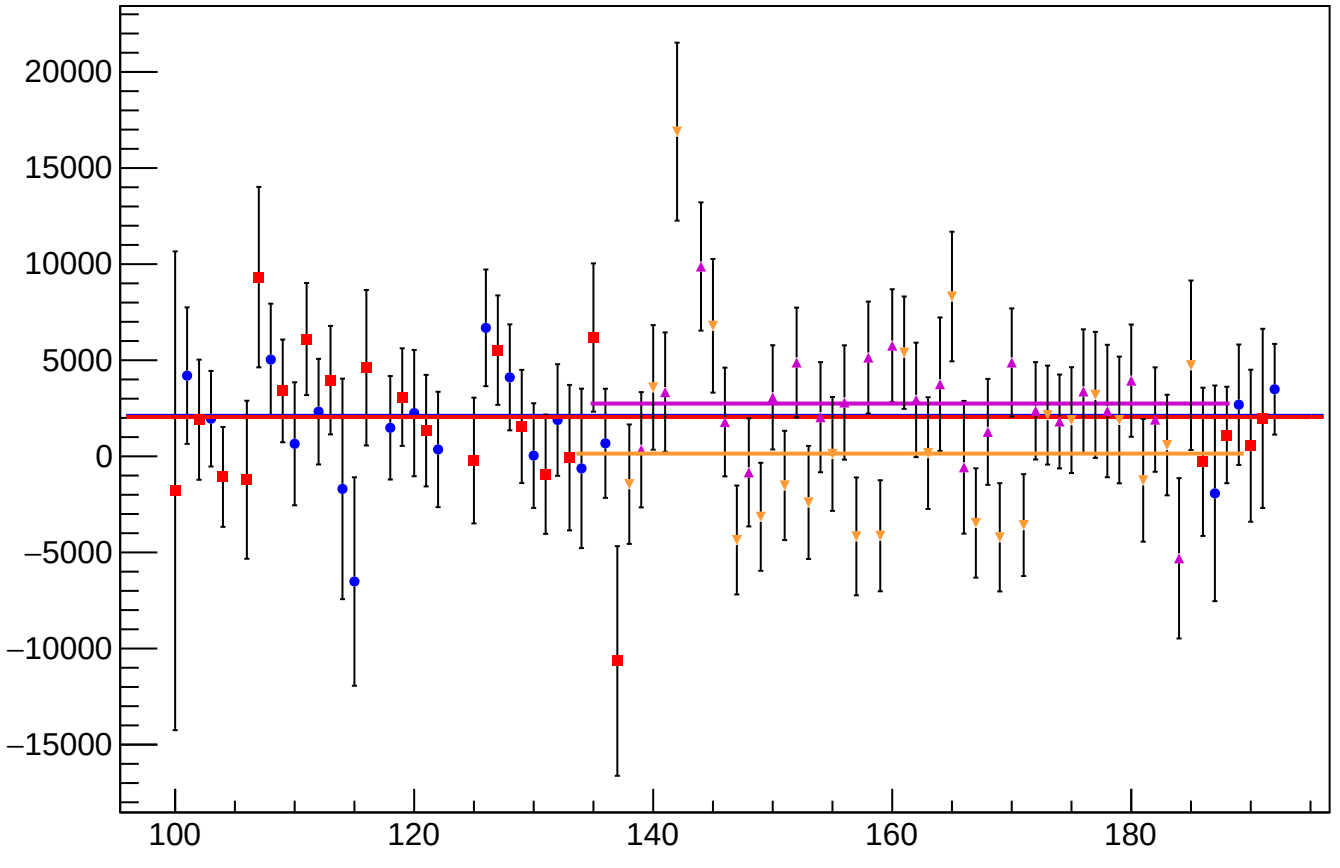
Left: 9739.942+/-1.160 χ^2/NDF: 2599247.1/46

Right: 6169.915+/-1.058 χ^2/NDF: 2277571.1/40

In: 7889.421+/-1.121 χ^2/NDF:4637995.3/41

Out: 7698.601+/-1.091 χ^2/NDF:5392031.8/45

All: 7791.400+/-0.782 χ^2/NDF: 10044905.9/8



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: 2045.493+/-704.127 χ^2/NDF: 17.4/21

Left In: 2745.980+/-616.124 χ^2/NDF:15.4/22

Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

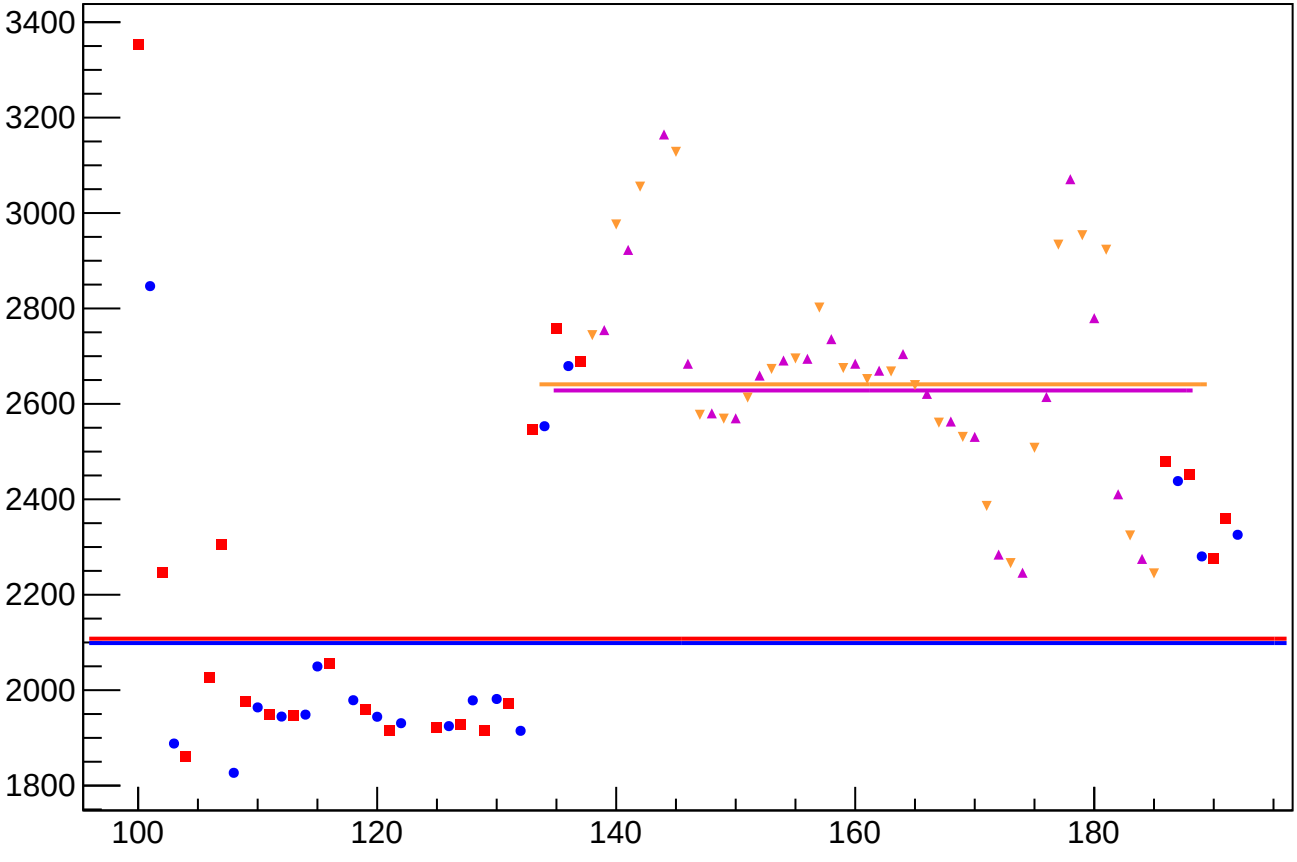
Right: 2075.834+/-499.908 χ^2/NDF: 27.3/40

In: 2471.295+/-465.302 χ^2/NDF:25.8/41

Out: 967.108+/-463.509 χ^2/NDF:67.4/45

All: 1716.298+/-328.382 χ^2/NDF: 98.4/87

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



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: 2107.938+/-0.497 χ^2/NDF: 274634.8/21

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

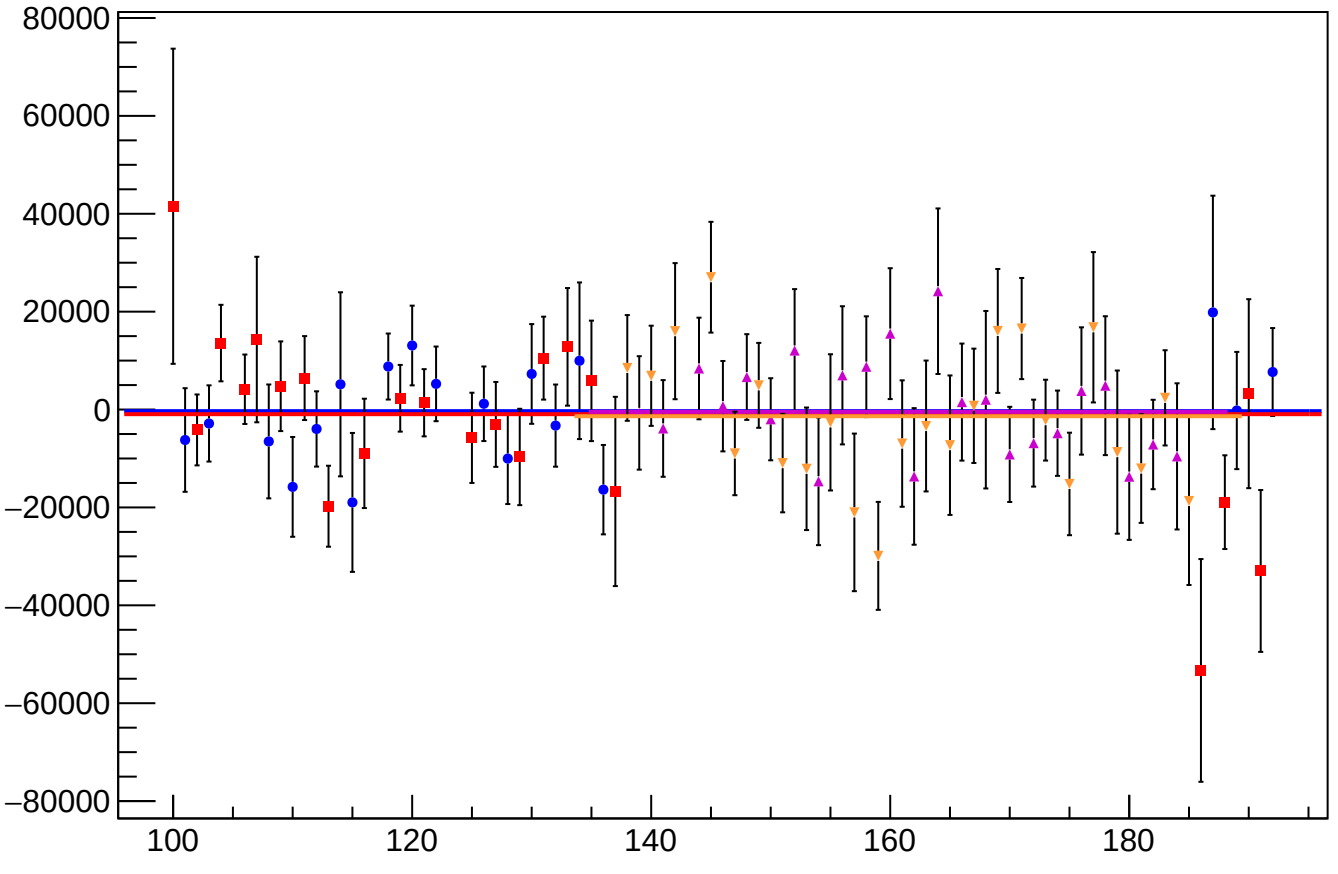
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2103.369+/-0.353 χ^2/NDF: 583678.8/40

In: 2400.652+/-0.329 χ^2/NDF:1180832.8/41

Out: 2409.677+/-0.328 χ^2/NDF:1178511.2/45

All: 2405.184+/-0.232 χ^2/NDF: 2359721.8/87



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: -945.376+/-2061.377 χ^2/NDF: 31.7/21

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

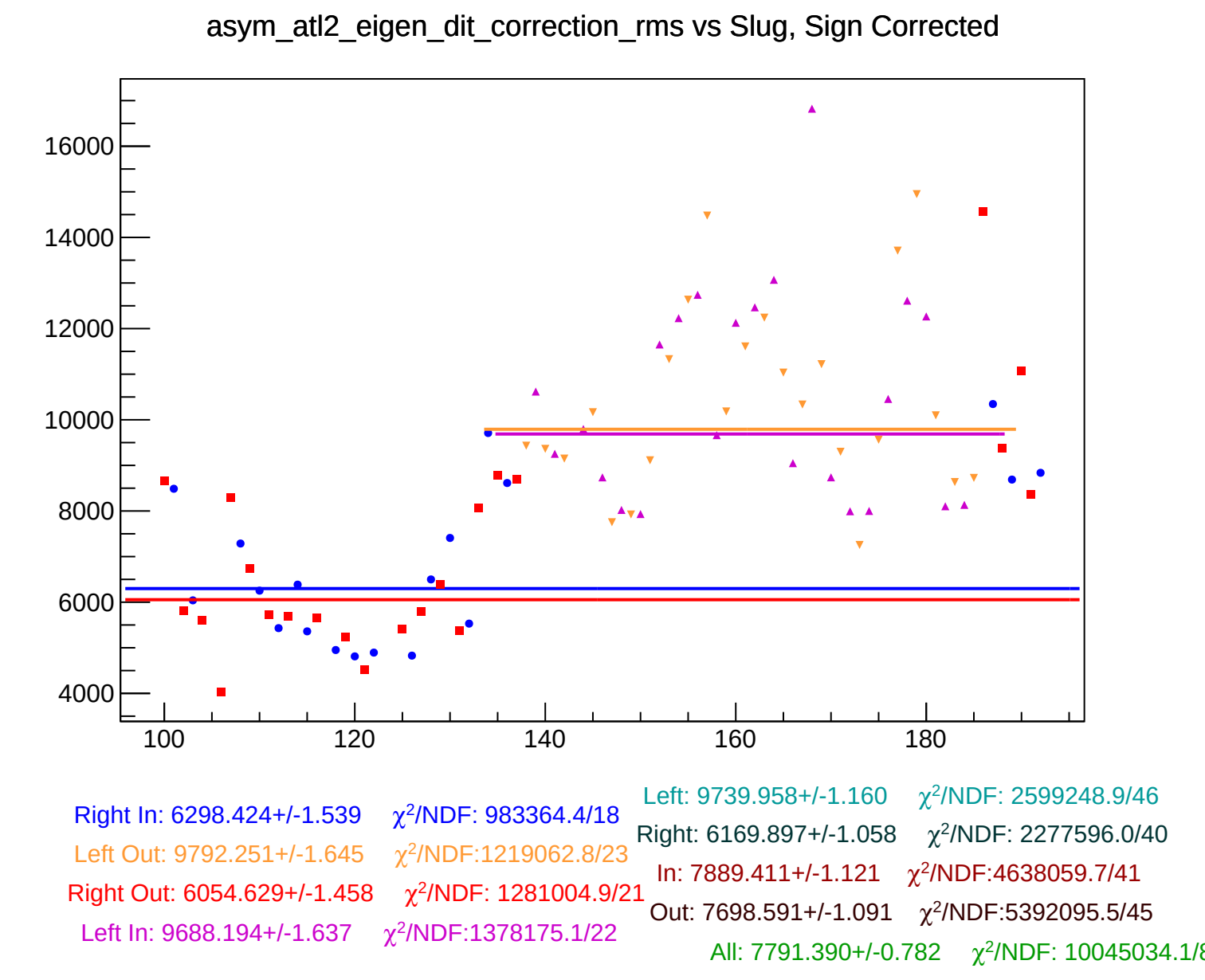
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -653.810+/-1496.722 χ^2/NDF: 48.7/40

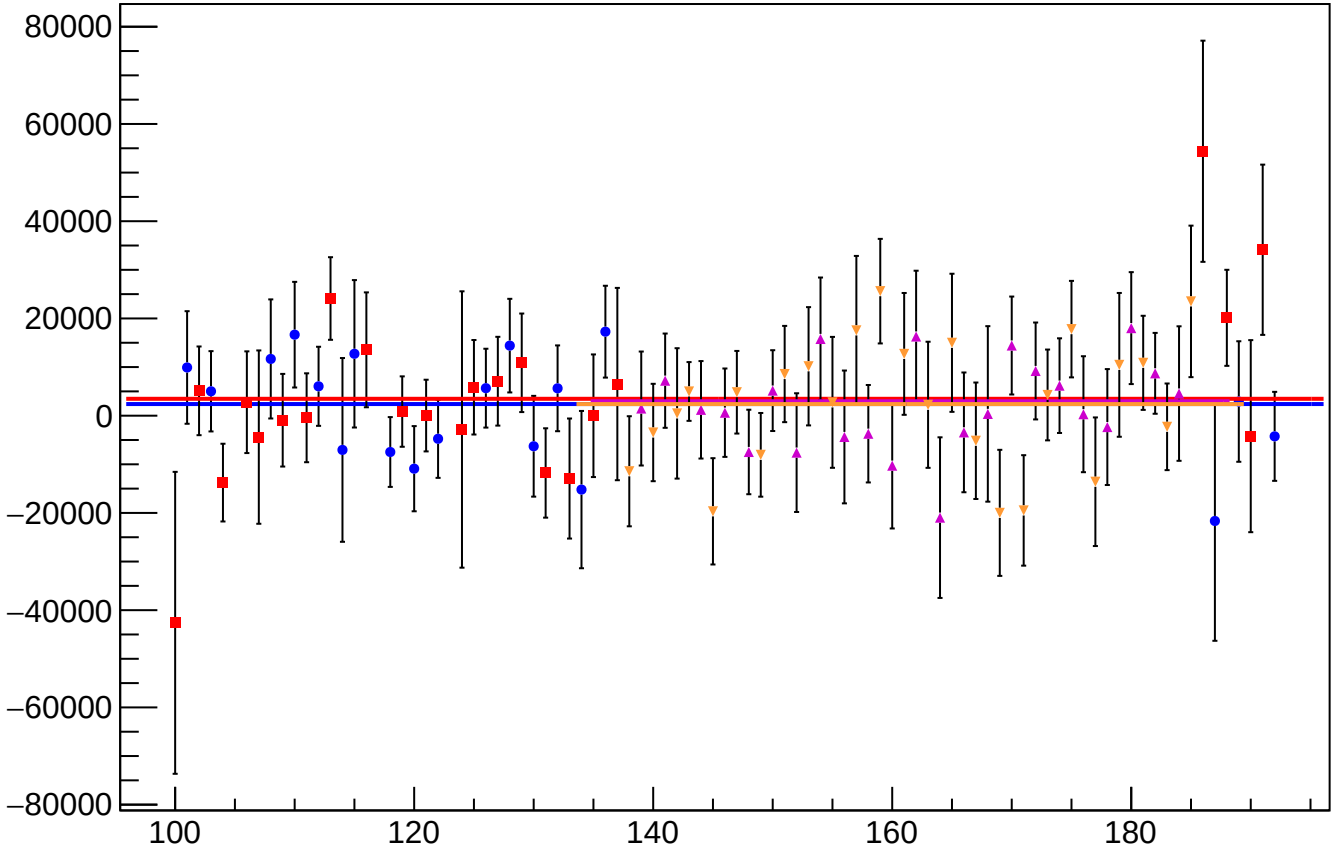
In: -392.104+/-1585.631 χ^2/NDF:30.0/41

Out: -1130.758+/-1542.811 χ^2/NDF:63.0/45

All: -771.539+/-1105.760 χ^2/NDF: 93.1/87


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: 6054.629+/-1.458 χ²/NDF: 1281004.9/21
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 6169.897+/-1.058 χ²/NDF: 2277596.0/40
In: 7889.411+/-1.121 χ²/NDF:4638059.7/41
Out: 7698.591+/-1.091 χ²/NDF:5392095.5/45
All: 7791.390+/-0.782 χ²/NDF: 10045034.1/8

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: 3473.807+/-2228.935 χ^2/NDF: 30.9/22

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

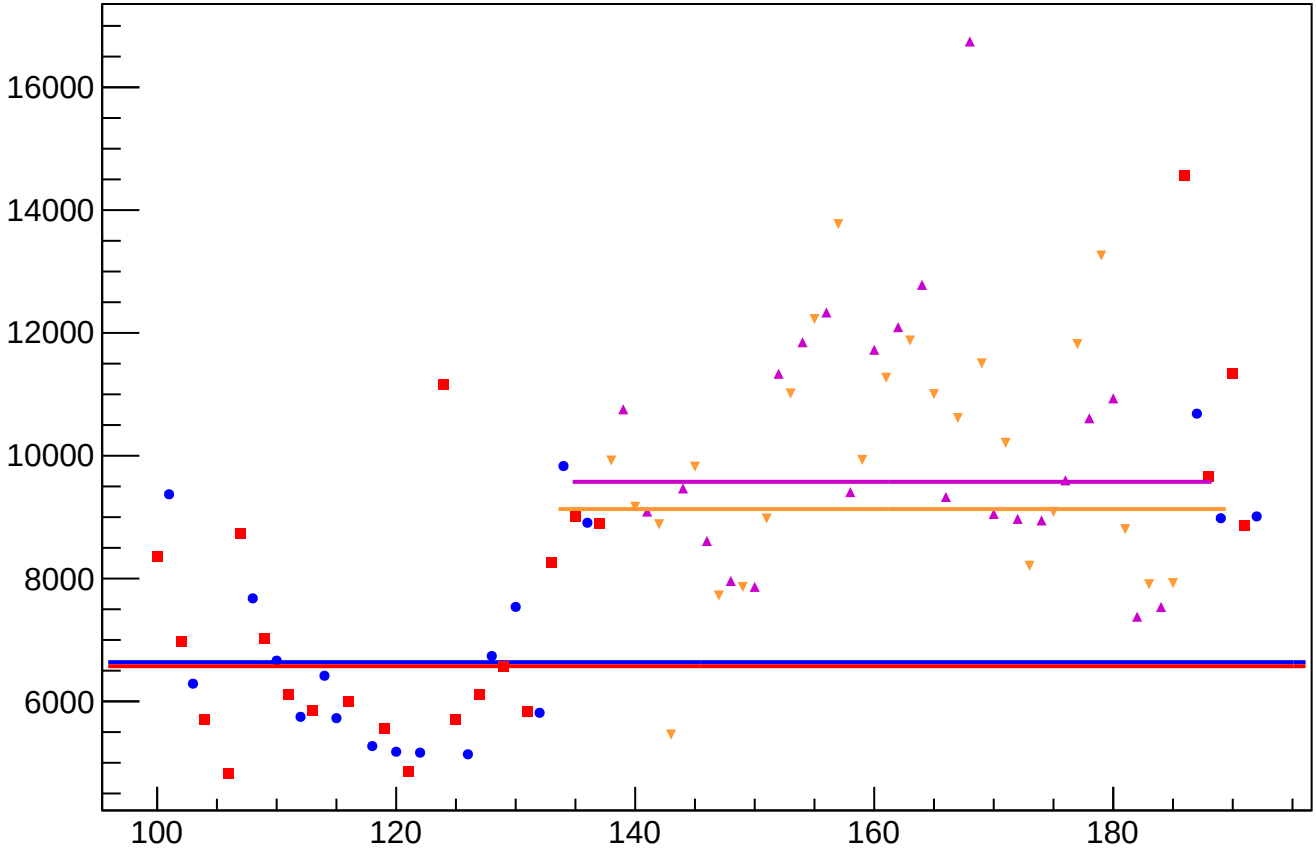
Right: 2948.112+/-1597.133 χ^2/NDF: 47.5/41

In: 2679.799+/-1615.227 χ^2/NDF:29.4/41

Out: 2907.856+/-1542.388 χ^2/NDF:60.8/47

All: 2799.085+/-1115.495 χ^2/NDF: 90.3/89

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: 6572.609+/-1.576 χ^2/NDF: 1113795.4/22

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

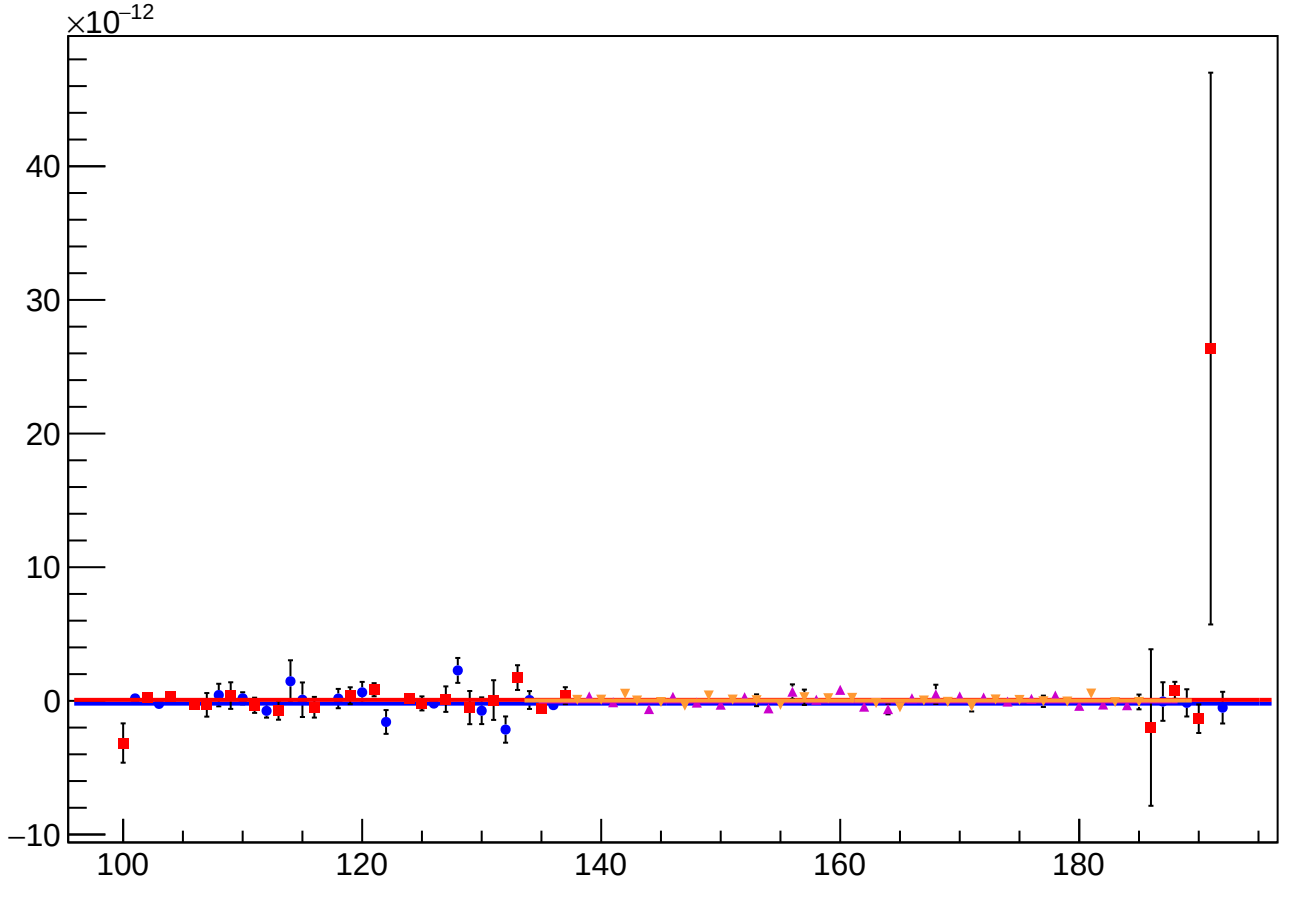
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 6604.579+/-1.129 χ^2/NDF: 2025480.9/41

In: 8113.673+/-1.142 χ^2/NDF:3717659.7/41

Out: 7906.304+/-1.091 χ^2/NDF:4299441.0/47

All: 8005.207+/-0.789 χ^2/NDF: 8034343.3/89



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: 25.6/22

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

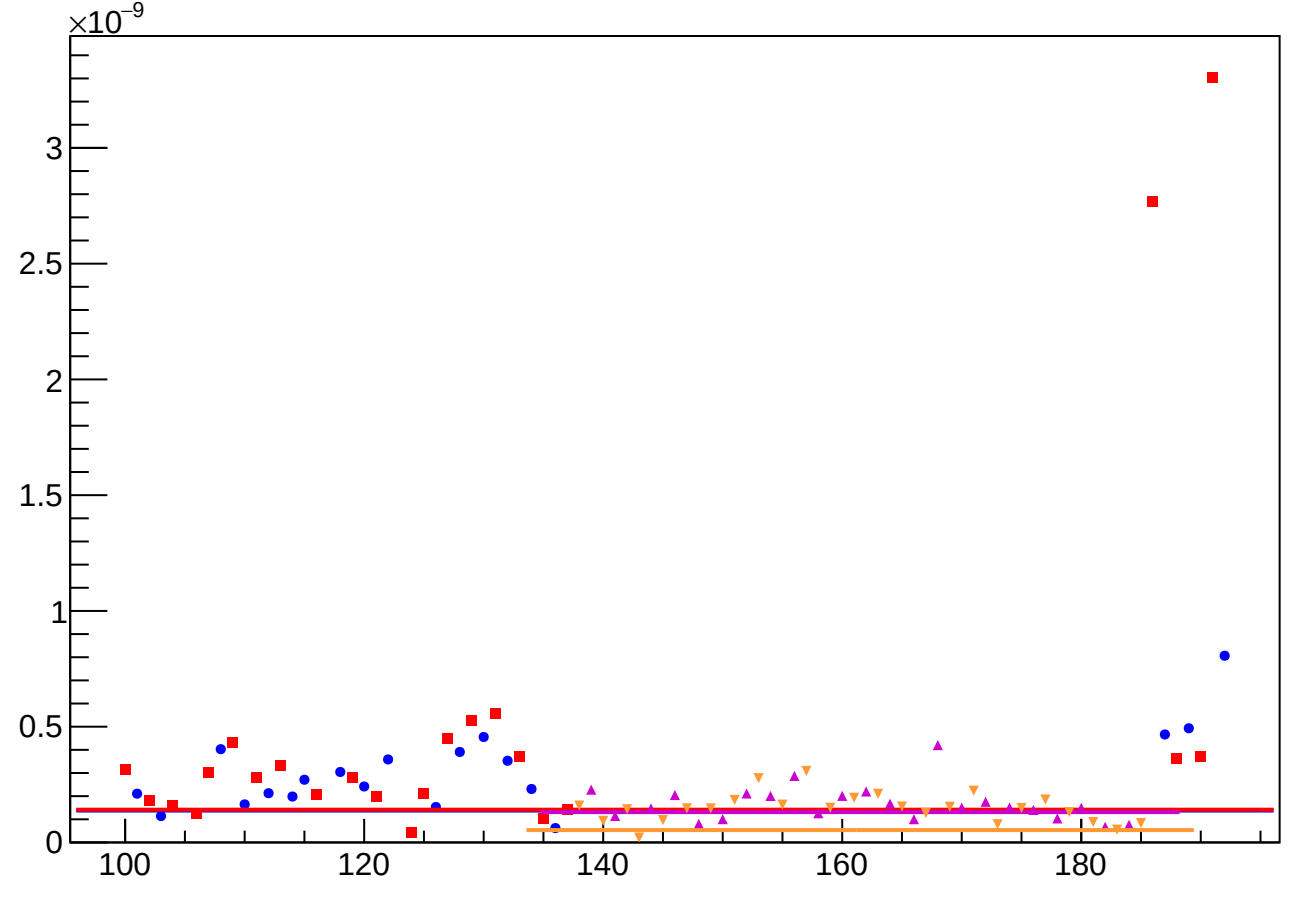
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 51.1/41

In: -0.000+/-0.000 χ^2/NDF:59.9/41

Out: 0.000+/-0.000 χ^2/NDF:43.7/47

All: -0.000+/-0.000 χ^2/NDF: 108.3/89



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: 3101050.2/22

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

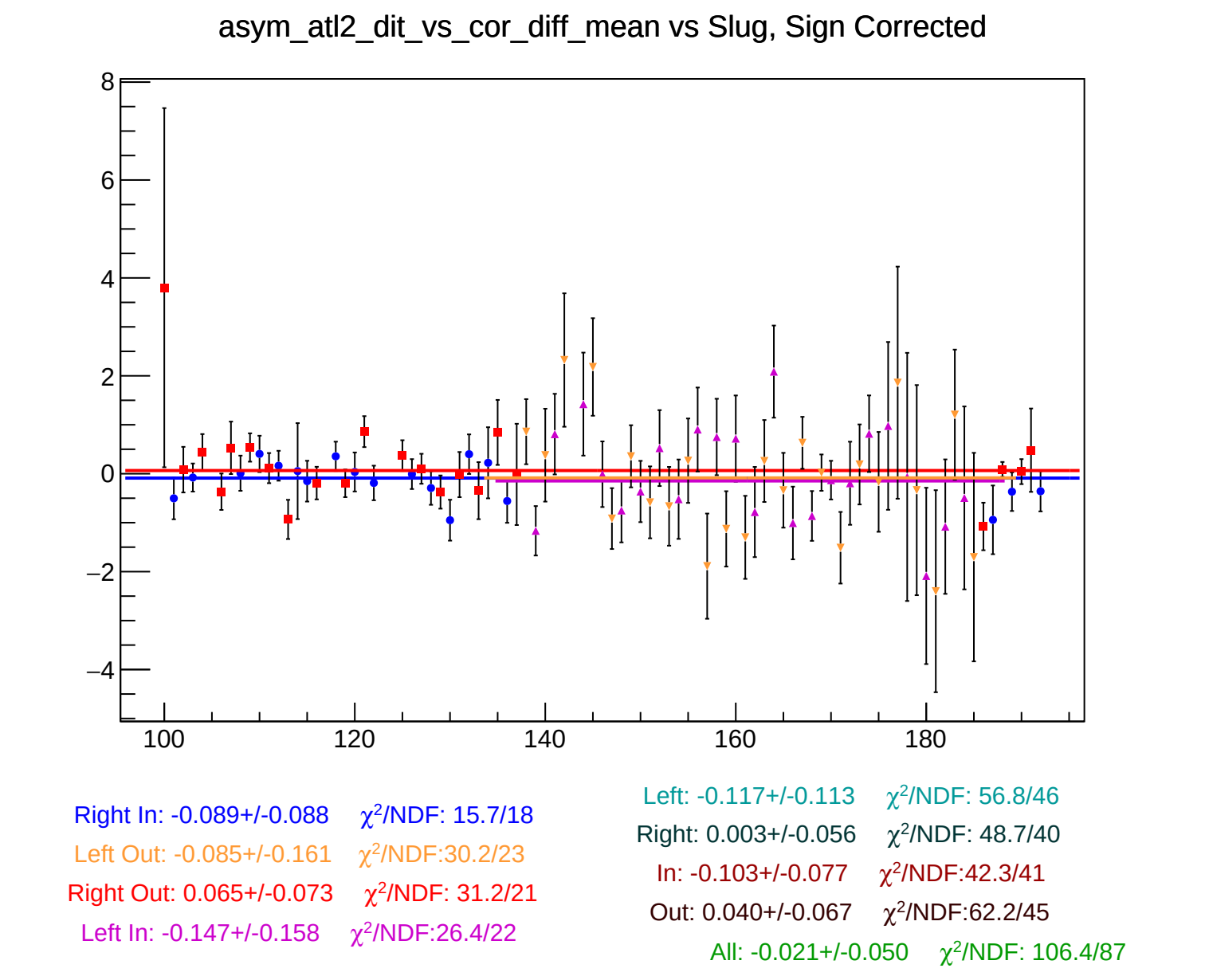
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 5823201.5/41

In: 0.000+/-0.000 χ^2/NDF:4632732.9/41

Out: 0.000+/-0.000 χ^2/NDF:11932206.8/47

All: 0.000+/-0.000 χ^2/NDF: 19921103.1/89


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
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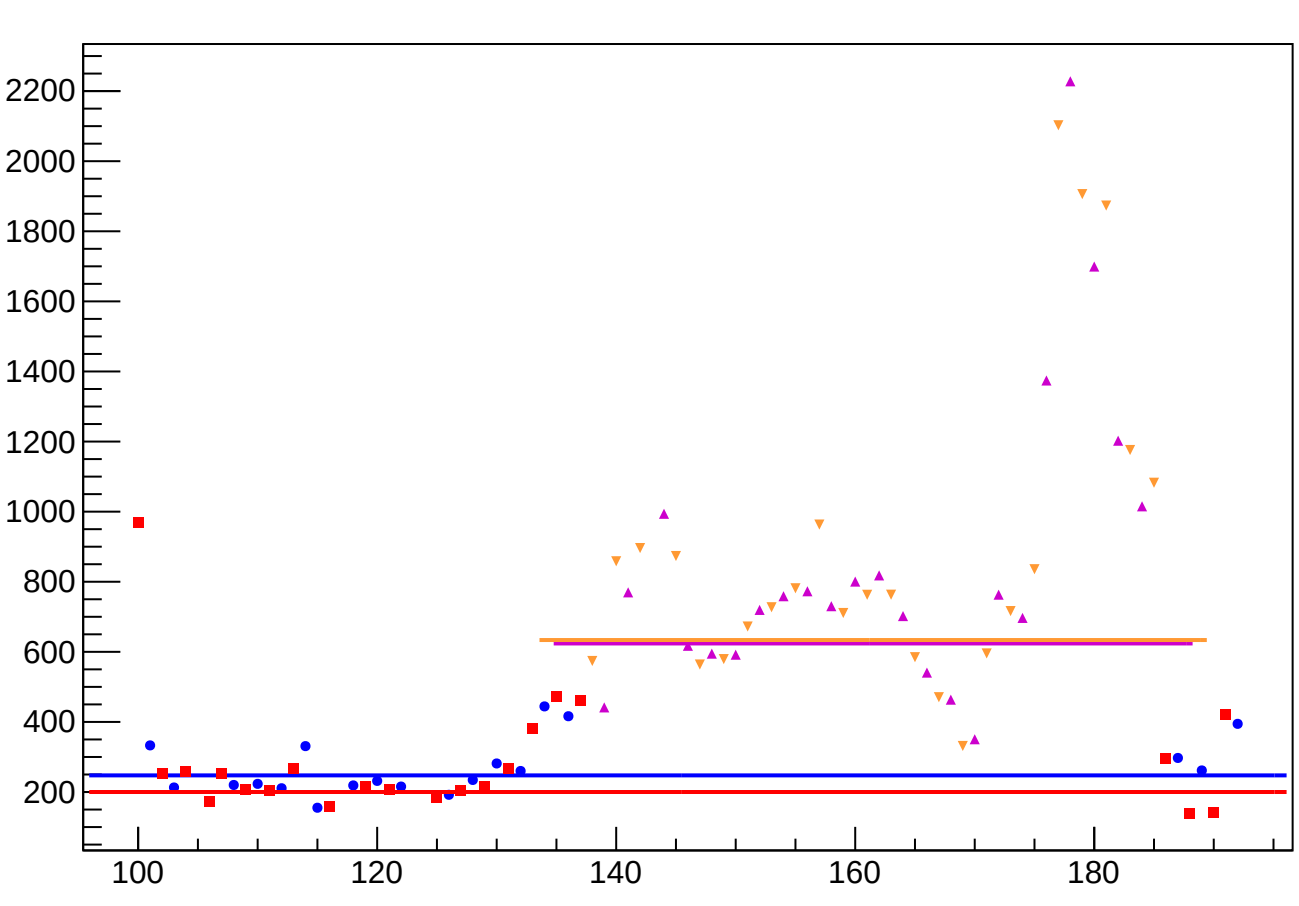
Right In: -0.089+/-0.088 χ²/NDF: 15.7/18
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.065+/-0.073 χ²/NDF: 31.2/21
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.003+/-0.056 χ²/NDF: 48.7/40
In: -0.103+/-0.077 χ²/NDF:42.3/41
Out: 0.040+/-0.067 χ²/NDF:62.2/45
All: -0.021+/-0.050 χ²/NDF: 106.4/87



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: 200.072+/-0.052 χ^2/NDF: 1650611.1/21

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

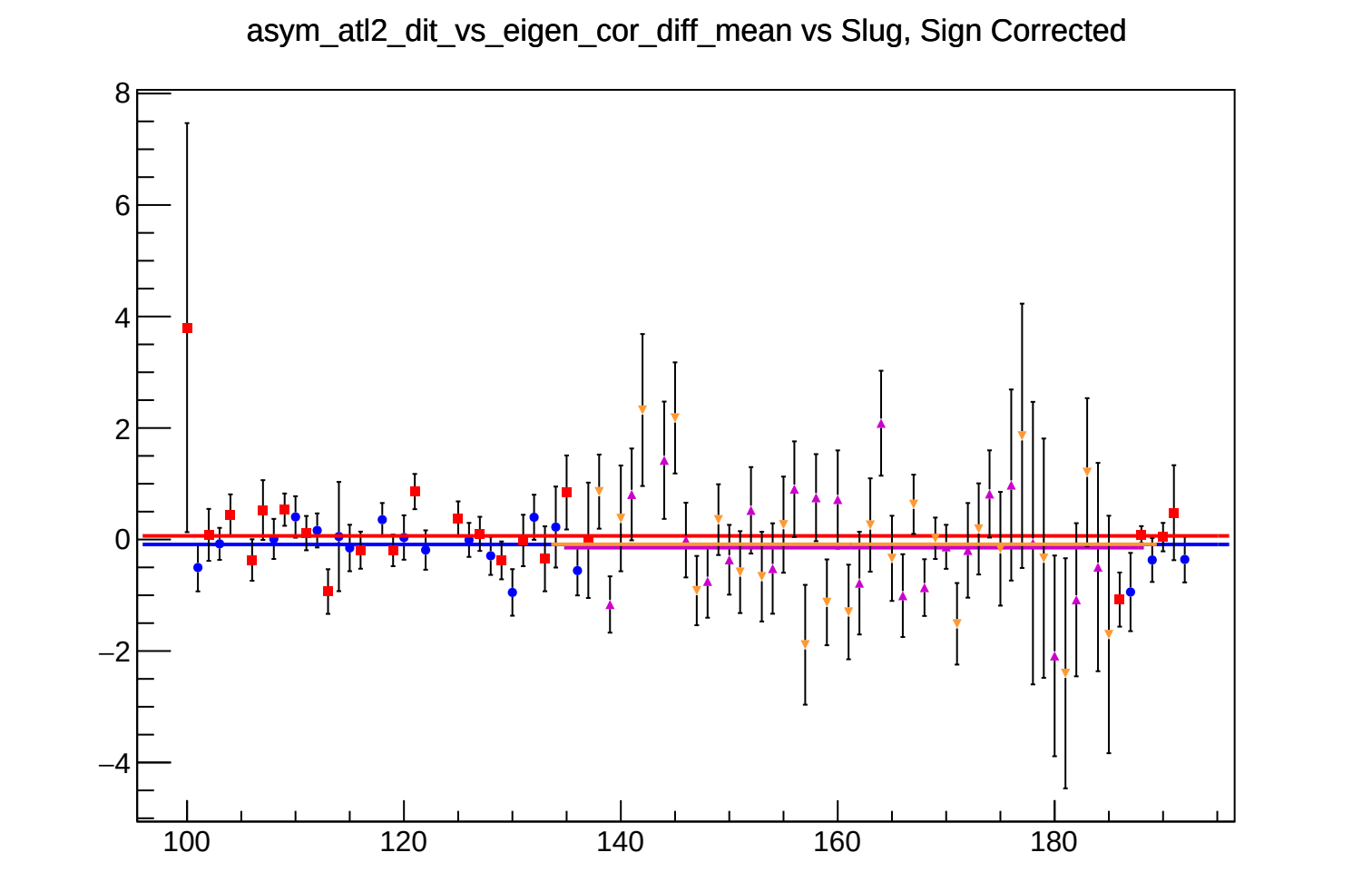
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 219.306+/-0.040 χ^2/NDF: 3087977.8/40

In: 337.014+/-0.055 χ^2/NDF:14265507.3/41

Out: 273.691+/-0.047 χ^2/NDF:18623905.4/45

All: 300.690+/-0.036 χ^2/NDF: 33662213.1/87



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: 0.065+/-0.073 χ^2/NDF: 31.2/21

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

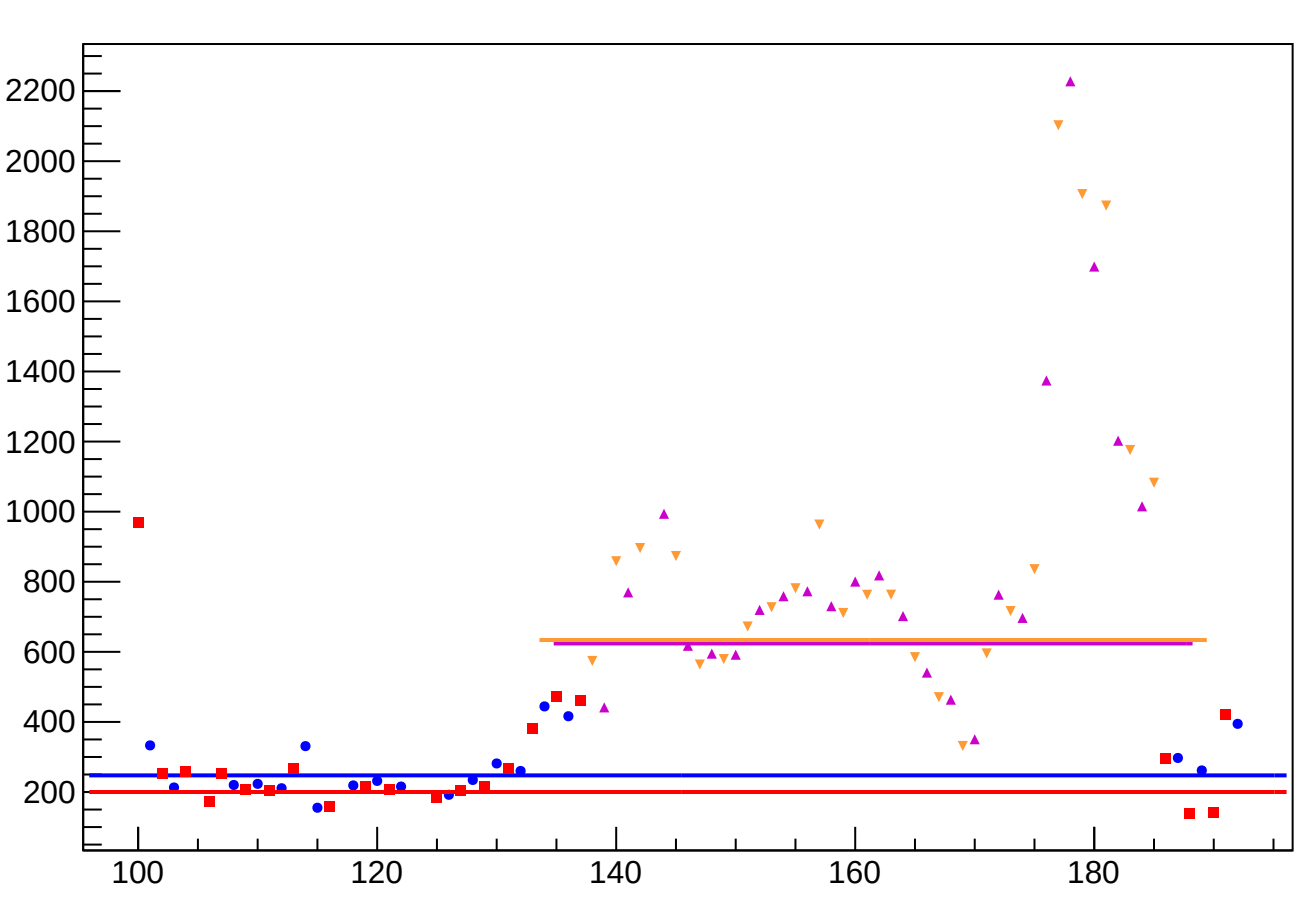
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.003+/-0.056 χ^2/NDF: 48.7/40

In: -0.103+/-0.077 χ^2/NDF:42.3/41

Out: 0.040+/-0.067 χ^2/NDF:62.2/45

All: -0.021+/-0.050 χ^2/NDF: 106.4/87



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: 200.072+/-0.052 χ^2/NDF: 1650611.1/21

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

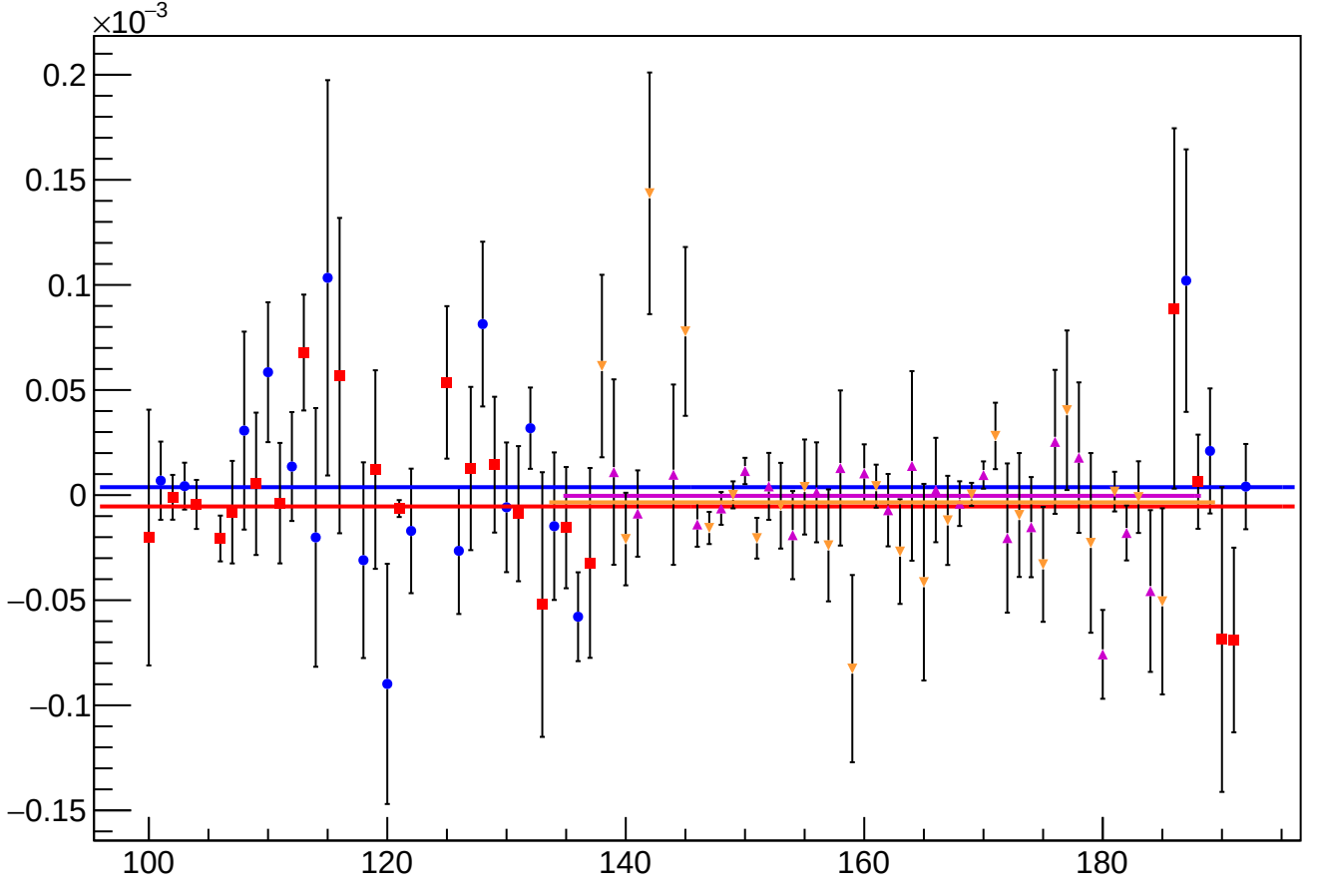
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 219.306+/-0.040 χ^2/NDF: 3087977.8/40

In: 337.014+/-0.055 χ^2/NDF:14265507.3/41

Out: 273.691+/-0.047 χ^2/NDF:18623905.4/45

All: 300.690+/-0.036 χ^2/NDF: 33662213.1/87



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: 18.9/21

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

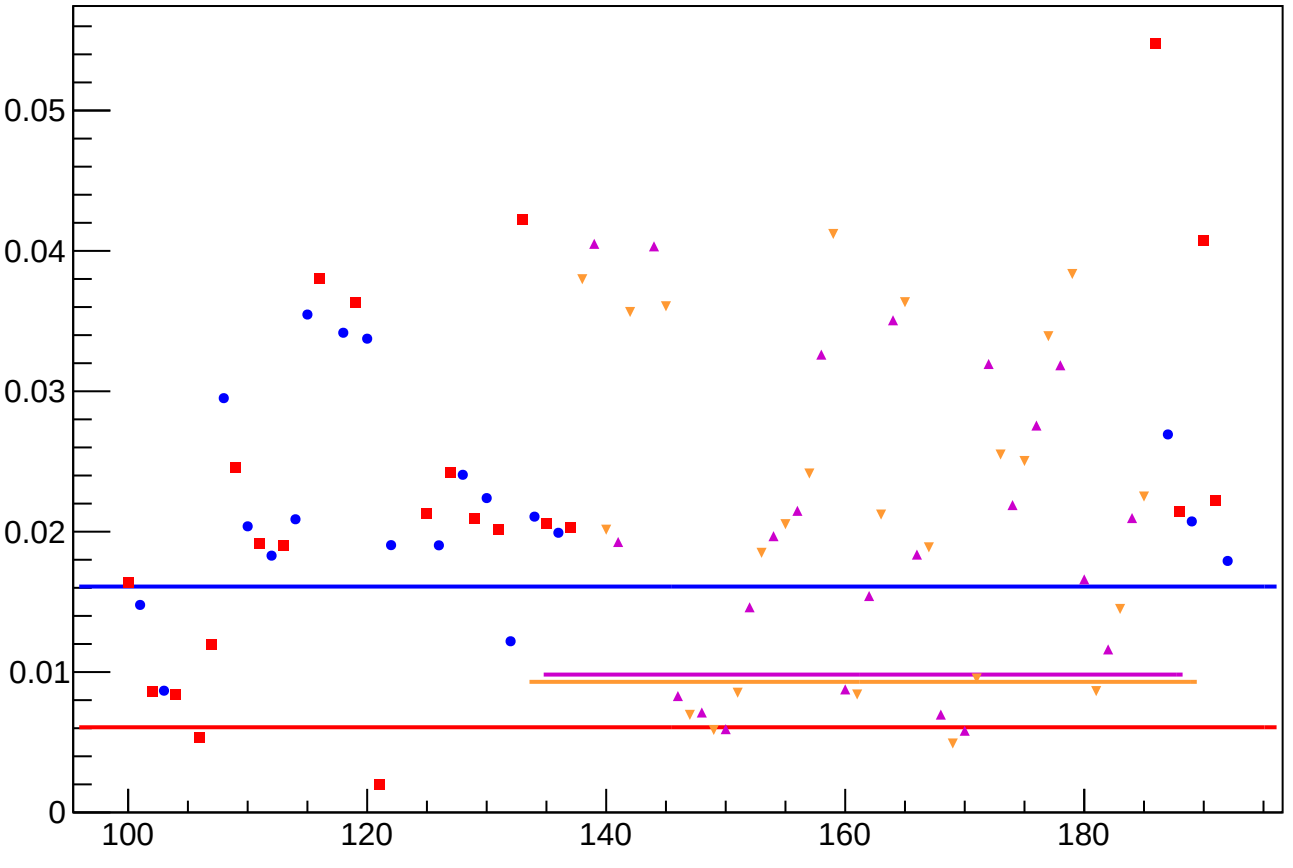
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 47.7/40

In: 0.000+/-0.000 χ^2/NDF:55.2/41

Out: -0.000+/-0.000 χ^2/NDF:53.4/45

All: -0.000+/-0.000 χ^2/NDF: 110.6/87



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: 0.006+/-0.000 χ^2/NDF: 10323053.0/21

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

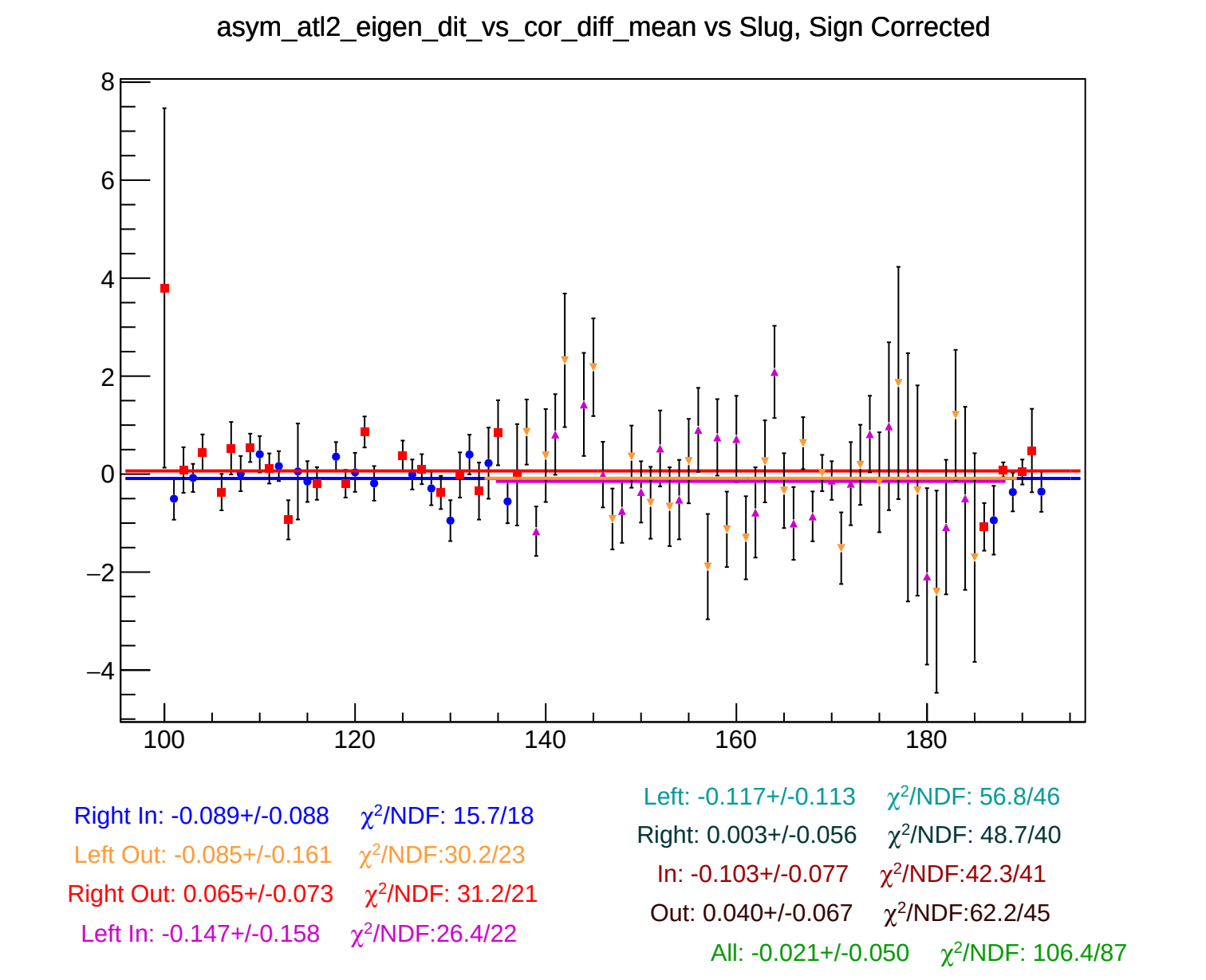
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.008+/-0.000 χ^2/NDF: 16986534.4/40

In: 0.011+/-0.000 χ^2/NDF:14324122.3/41

Out: 0.008+/-0.000 χ^2/NDF:23742543.4/45

All: 0.009+/-0.000 χ^2/NDF: 39828061.6/87


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
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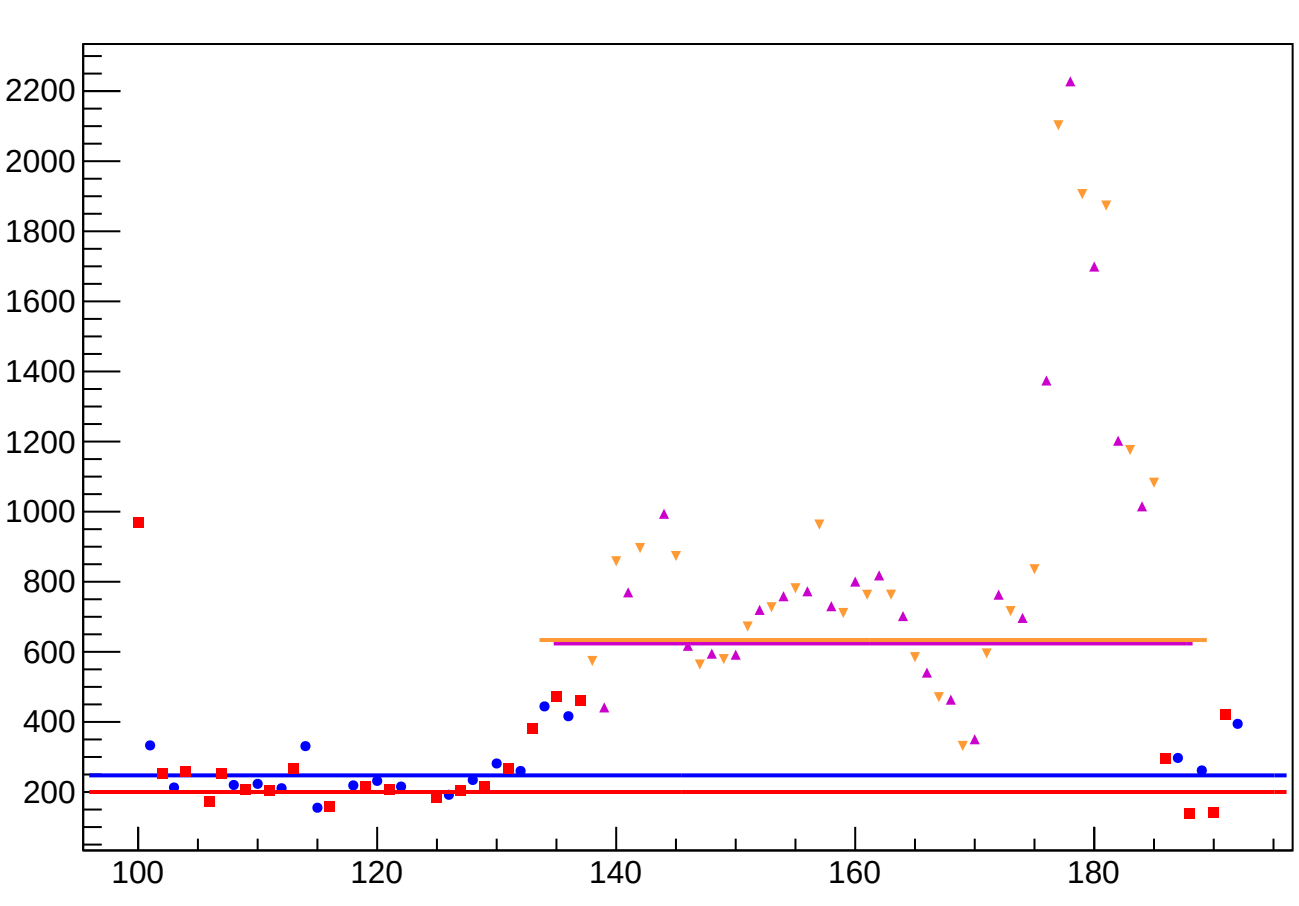
Right In: -0.089+/-0.088 χ²/NDF: 15.7/18
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.065+/-0.073 χ²/NDF: 31.2/21
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.003+/-0.056 χ²/NDF: 48.7/40
In: -0.103+/-0.077 χ²/NDF:42.3/41
Out: 0.040+/-0.067 χ²/NDF:62.2/45
All: -0.021+/-0.050 χ²/NDF: 106.4/87


asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
2200
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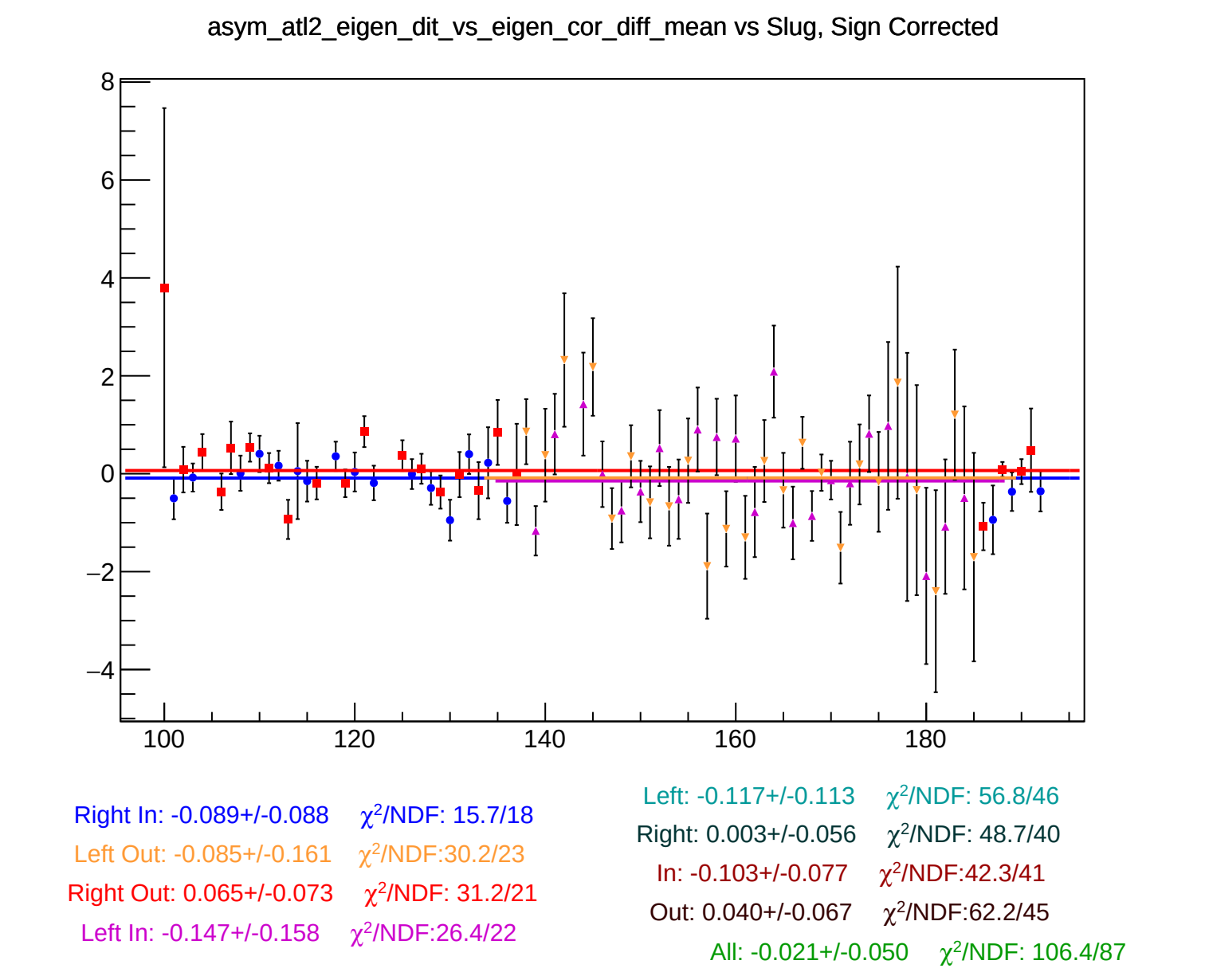
Right In: 247.495+/-0.062 χ²/NDF: 1095012.6/18
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 200.069+/-0.052 χ²/NDF: 1650637.6/21
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 219.305+/-0.040 χ²/NDF: 3088009.9/40
In: 337.015+/-0.055 χ²/NDF:14265542.2/41
Out: 273.687+/-0.047 χ²/NDF:18624250.9/45
All: 300.688+/-0.036 χ²/NDF: 33662712.5/87


asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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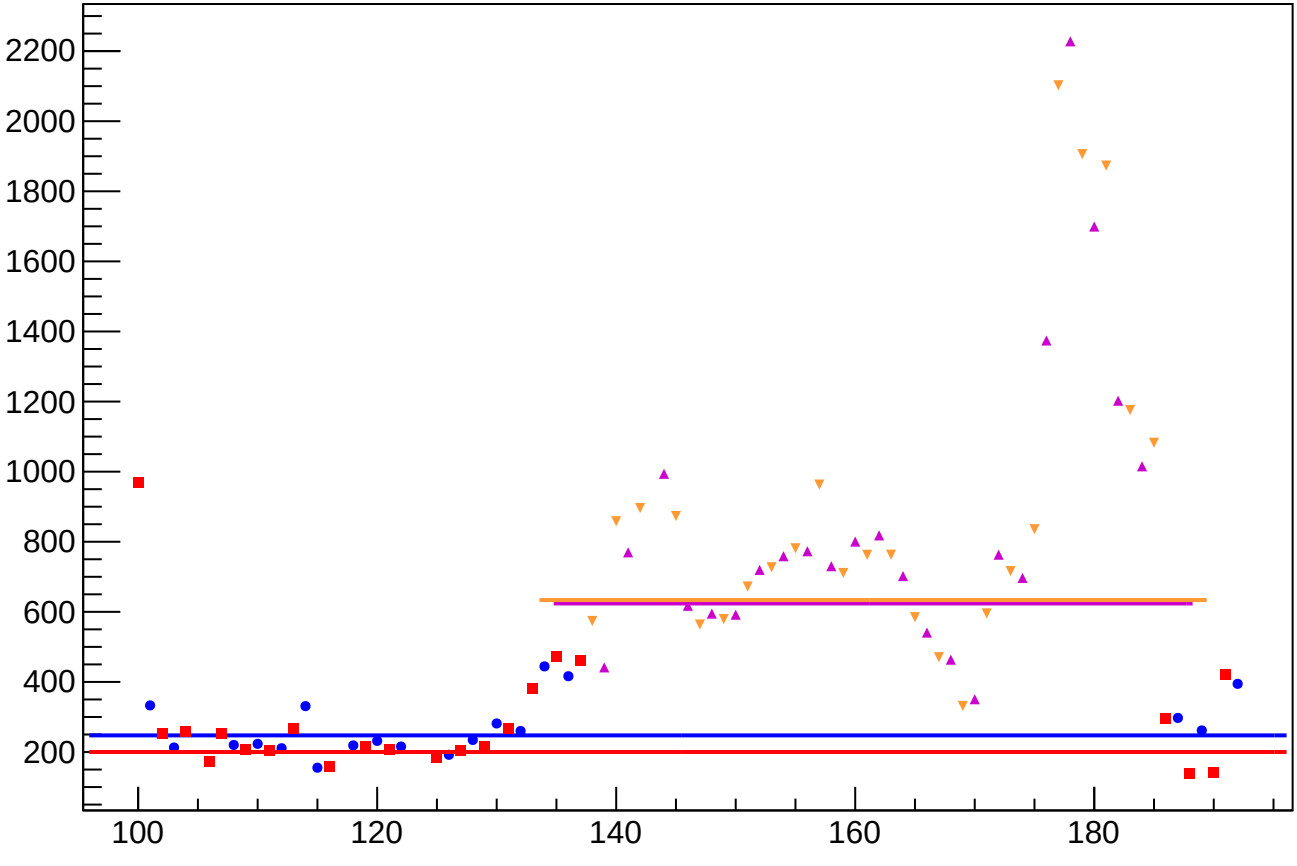
Right In: -0.089+/-0.088 χ²/NDF: 15.7/18
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.065+/-0.073 χ²/NDF: 31.2/21
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.003+/-0.056 χ²/NDF: 48.7/40
In: -0.103+/-0.077 χ²/NDF:42.3/41
Out: 0.040+/-0.067 χ²/NDF:62.2/45
All: -0.021+/-0.050 χ²/NDF: 106.4/87

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: 200.069+/-0.052 χ^2/NDF: 1650637.6/21

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

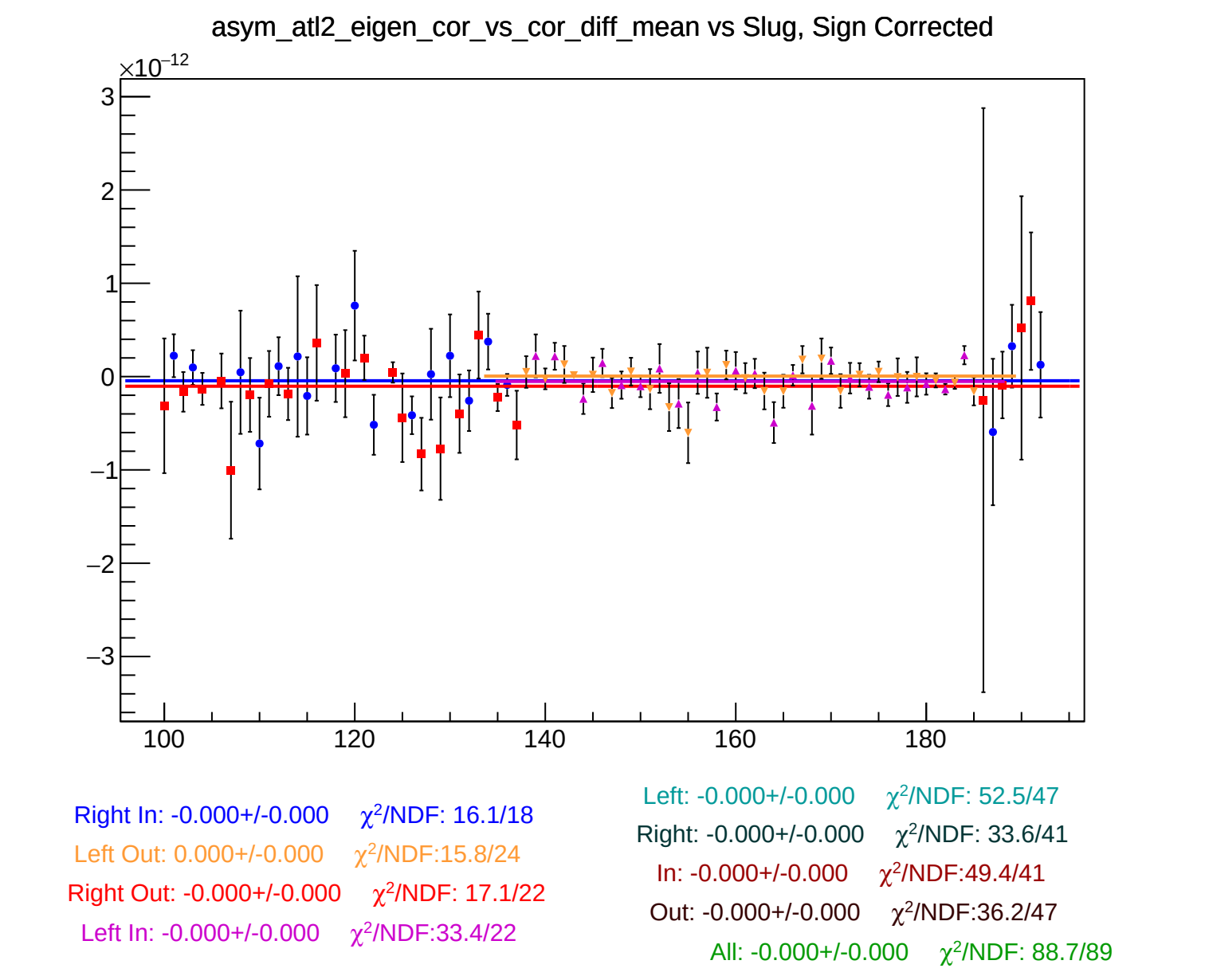
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 219.305+/-0.040 χ^2/NDF: 3088009.9/40

In: 337.015+/-0.055 χ^2/NDF:14265542.2/41

Out: 273.687+/-0.047 χ^2/NDF:18624250.9/45

All: 300.688+/-0.036 χ^2/NDF: 33662712.5/87


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
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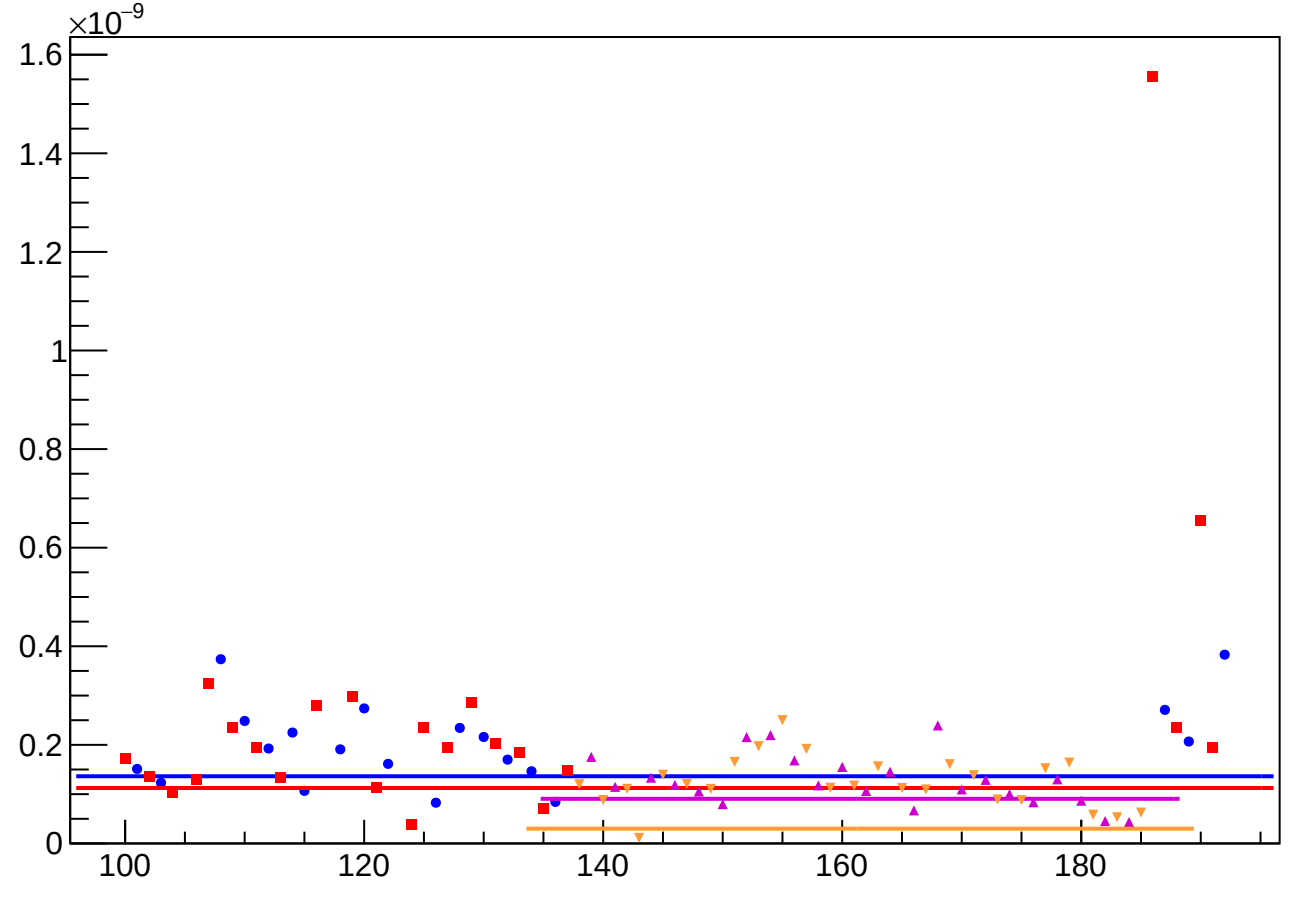
180
Right In: -0.000+/-0.000 χ²/NDF: 16.1/18
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 17.1/22
Left In: -0.000+/-0.000 χ²/NDF:33.4/22
Left: -0.000+/-0.000 χ²/NDF: 52.5/47
Right: -0.000+/-0.000 χ²/NDF: 33.6/41
In: -0.000+/-0.000 χ²/NDF:49.4/41
Out: -0.000+/-0.000 χ²/NDF:36.2/47
All: -0.000+/-0.000 χ²/NDF: 88.7/89



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: 3657213.6/22

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

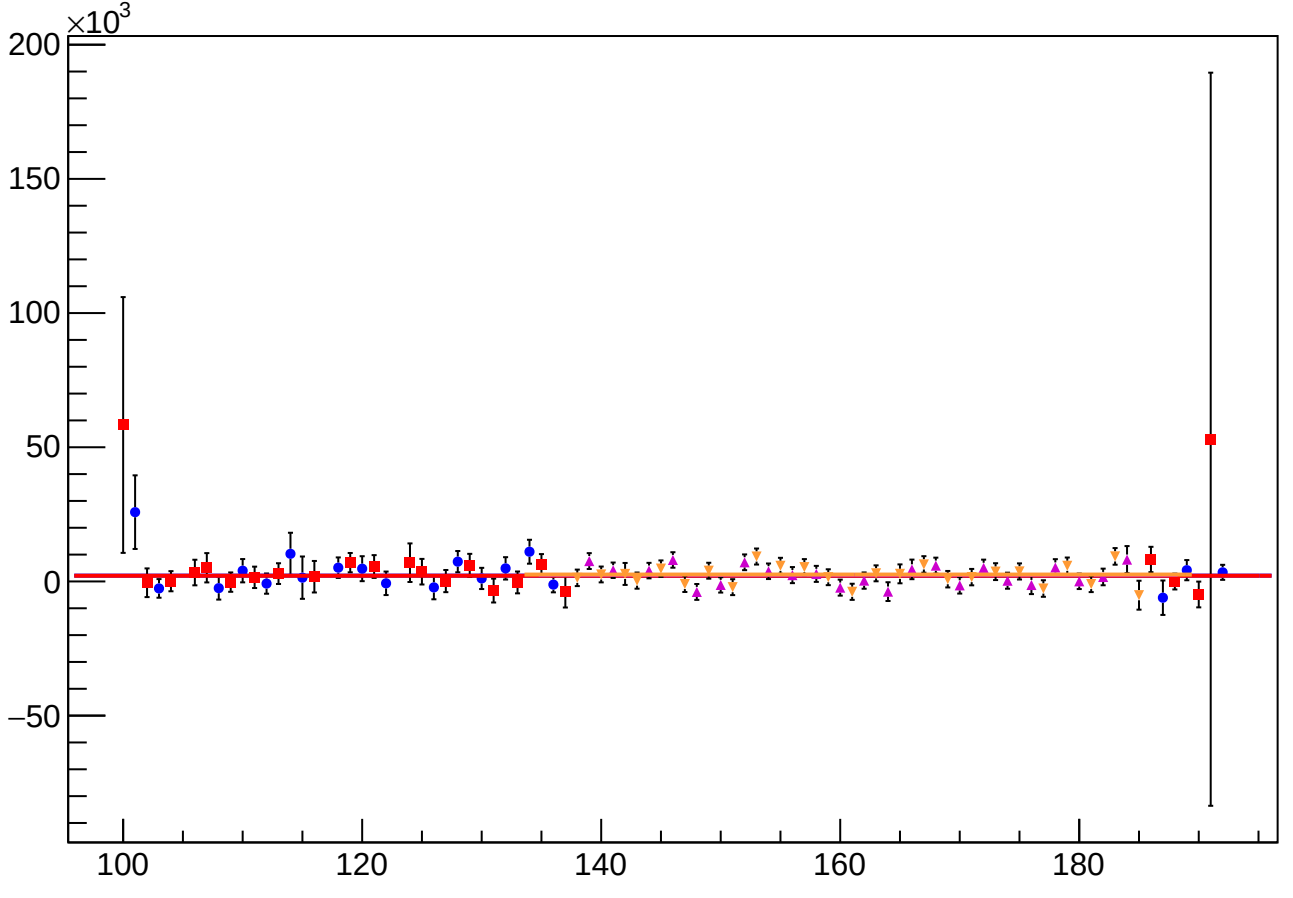
Right: 0.000+/-0.000 χ^2/NDF: 5644864.0/41

In: 0.000+/-0.000 χ^2/NDF:7370089.8/41

Out: 0.000+/-0.000 χ^2/NDF:24758900.1/47

All: 0.000+/-0.000 χ^2/NDF: 41678396.9/89

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: 2117.781+/-938.427 χ^2/NDF: 15.3/22

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

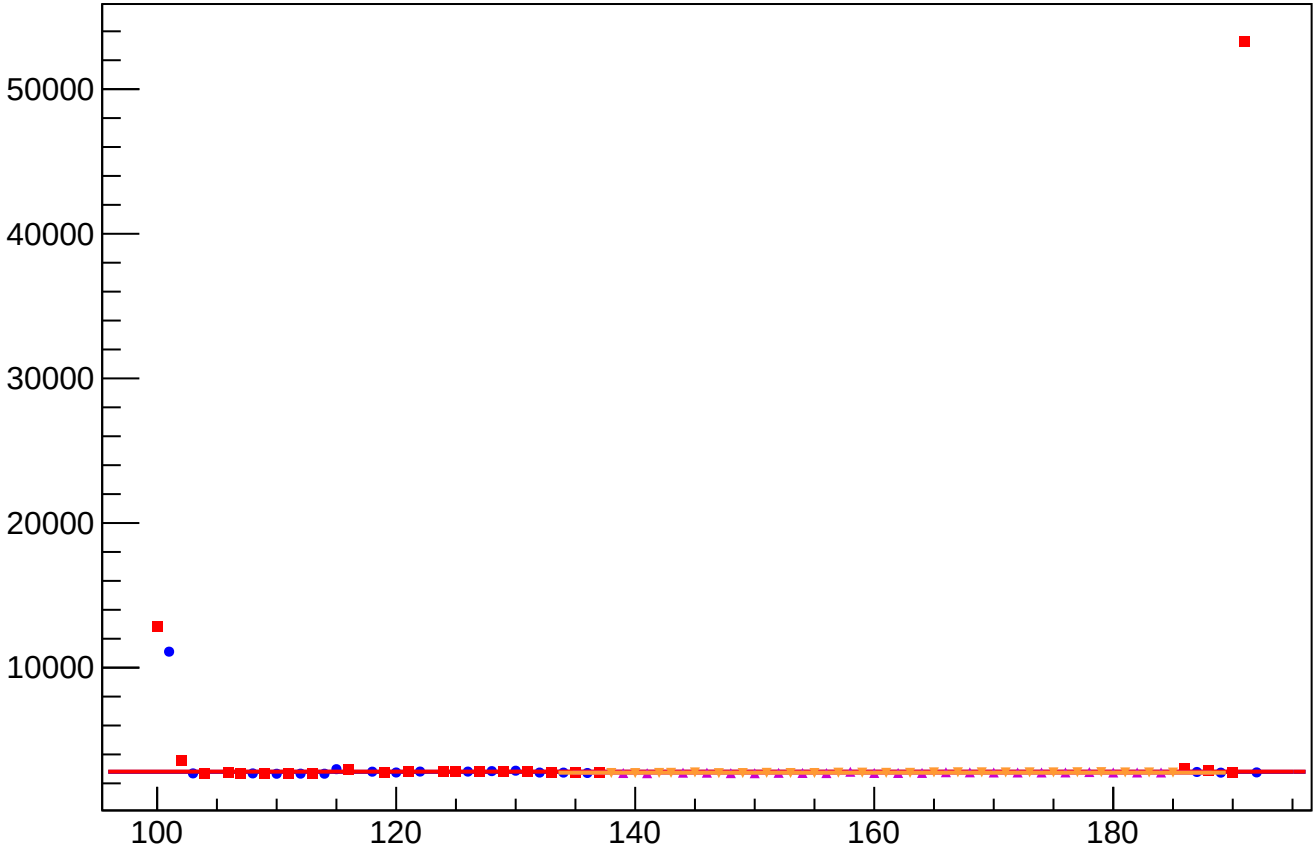
Right: 2141.074+/-669.488 χ^2/NDF: 35.2/41

In: 2333.065+/-531.566 χ^2/NDF:51.3/41

Out: 2422.870+/-518.357 χ^2/NDF:47.0/47

All: 2379.097+/-371.116 χ^2/NDF: 98.4/89

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: 2811.022+/-0.664 χ^2/NDF: 476940.1/22

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

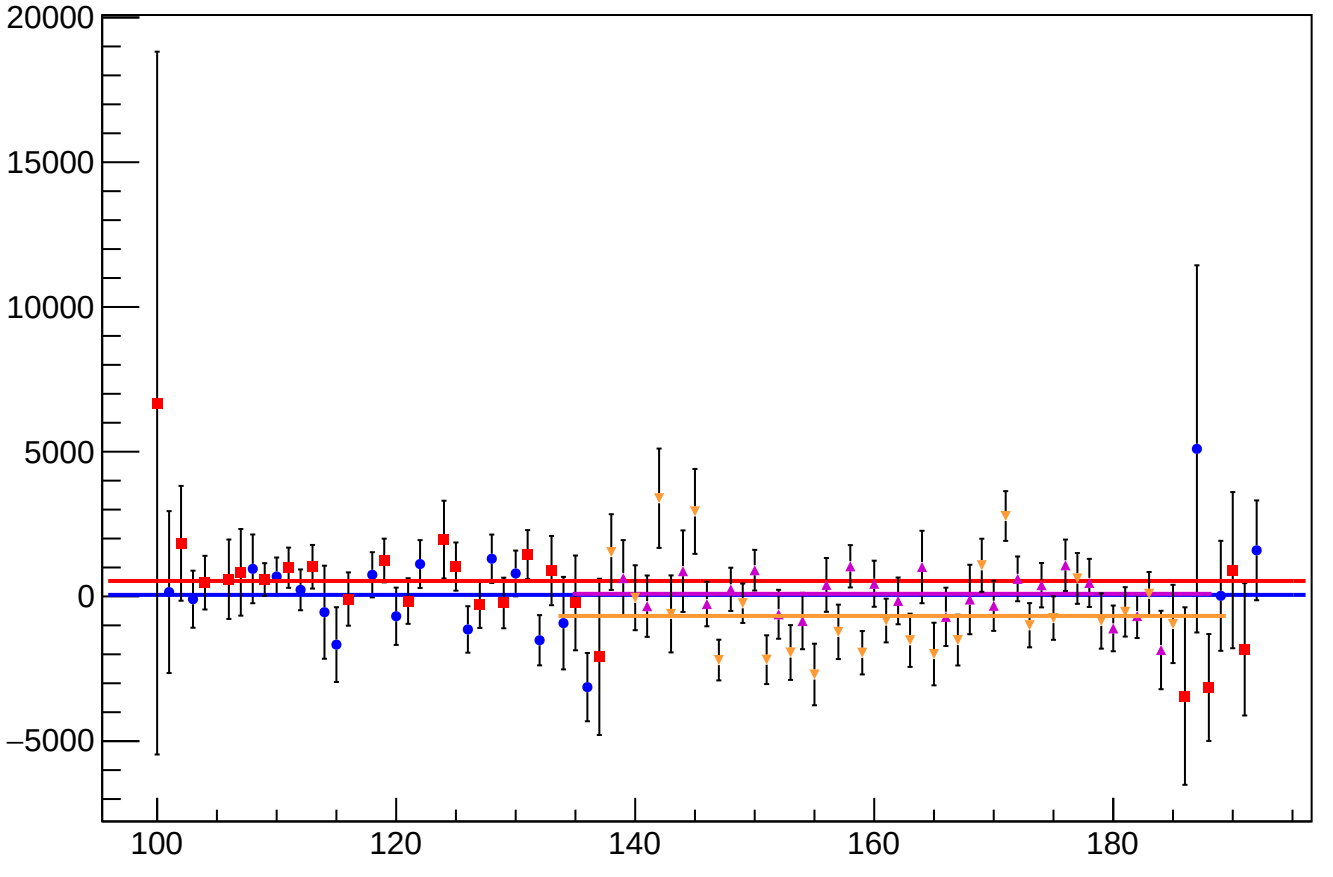
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2803.269+/-0.473 χ^2/NDF: 1224438.2/41

In: 2757.003+/-0.376 χ^2/NDF:755220.0/41

Out: 2759.946+/-0.367 χ^2/NDF:487784.0/47

All: 2758.511+/-0.262 χ^2/NDF: 1243035.5/89



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: 534.380+/-212.371 χ^2/NDF: 16.2/22

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

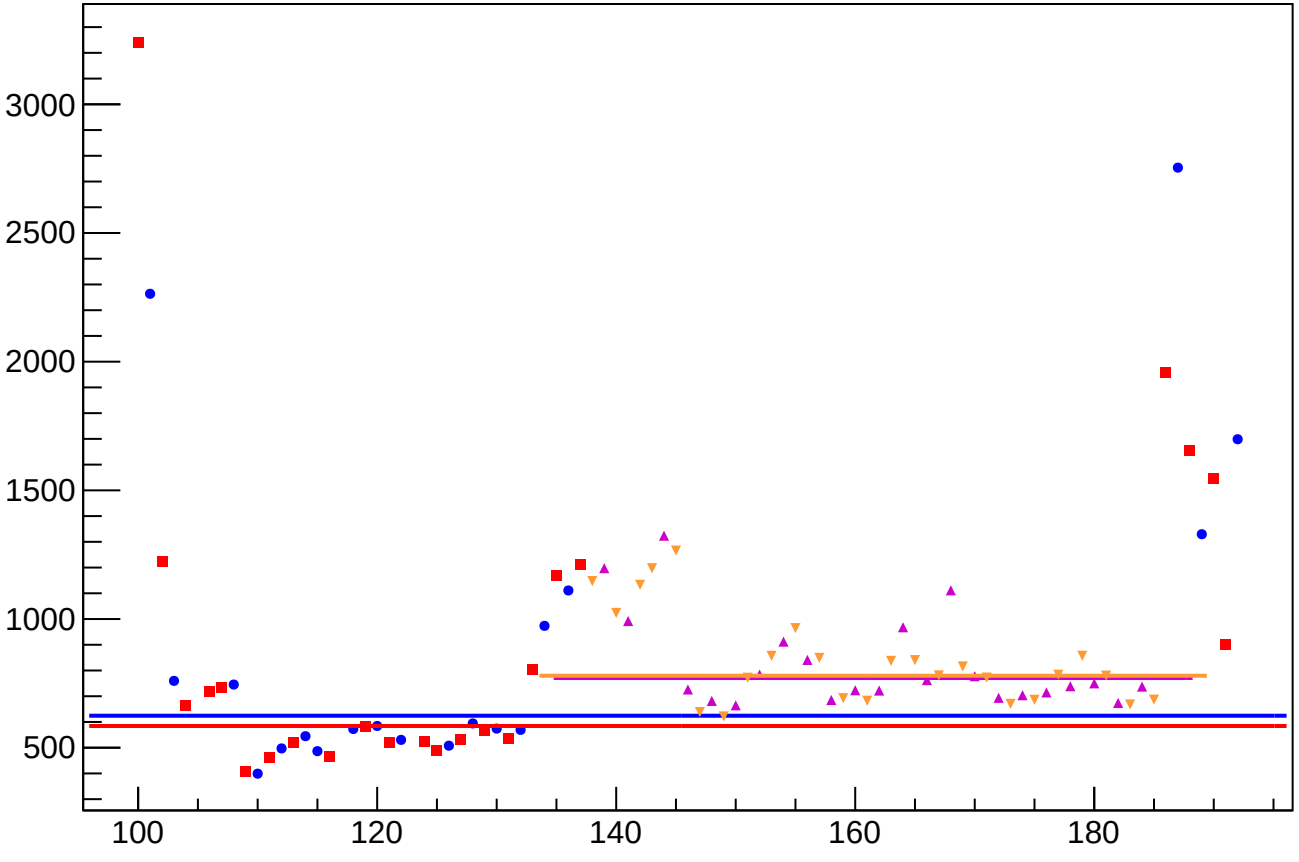
Right: 312.595+/-155.881 χ^2/NDF: 42.8/41

In: 75.489+/-143.322 χ^2/NDF:39.0/41

Out: -164.642+/-137.857 χ^2/NDF:93.3/47

All: -49.241+/-99.356 χ^2/NDF: 133.7/89

asym_atr1_reg_correction_rms vs Slug, Sign Corrected



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: 584.419+/-0.150 χ^2/NDF: 2522745.1/22

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

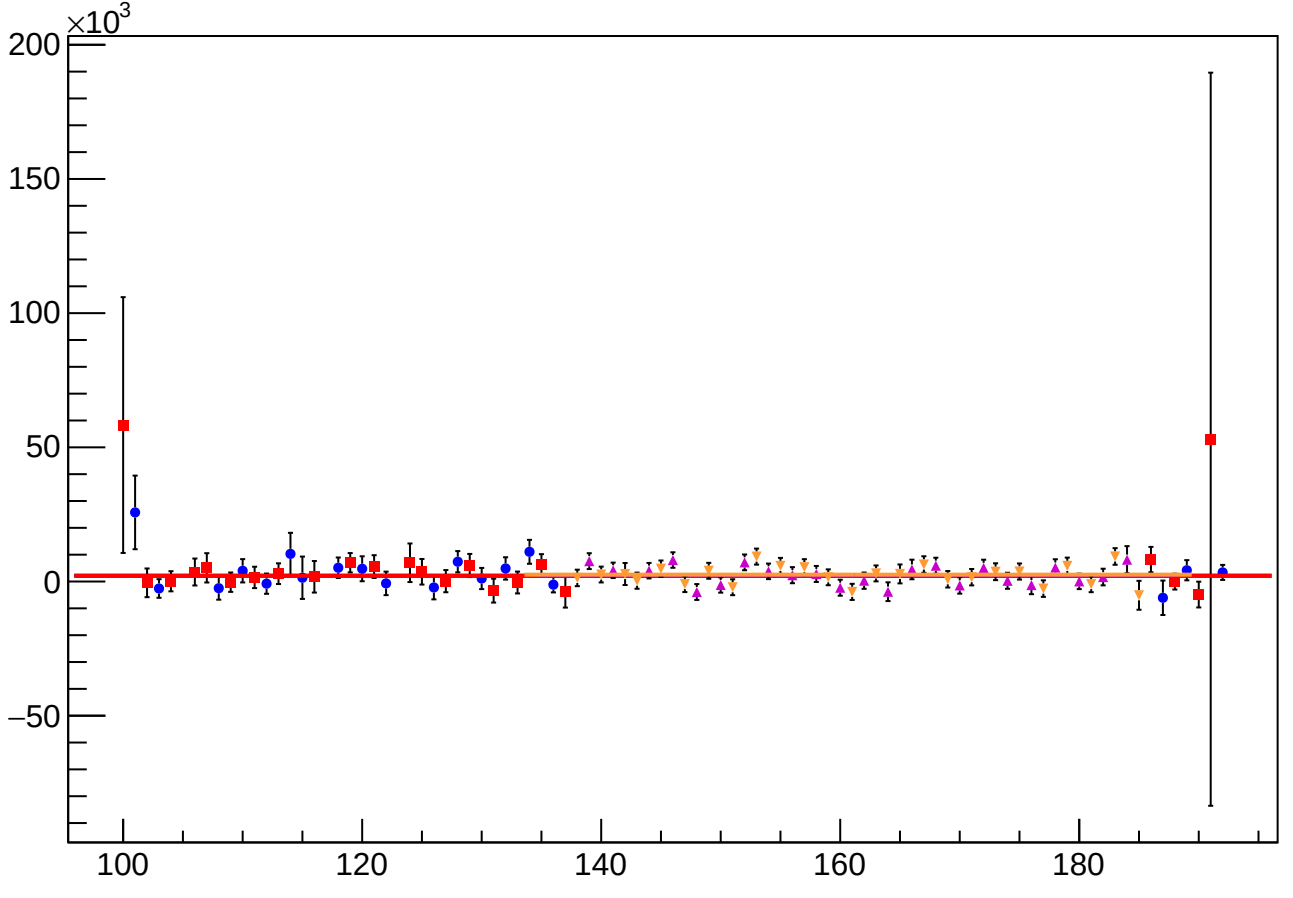
Right: 602.802+/-0.110 χ^2/NDF: 5440867.7/41

In: 713.665+/-0.101 χ^2/NDF:4459218.0/41

Out: 697.422+/-0.097 χ^2/NDF:4745130.7/47

All: 705.228+/-0.070 χ^2/NDF: 9217691.9/89

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: 2121.558+/-940.201 χ^2/NDF: 15.3/22

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

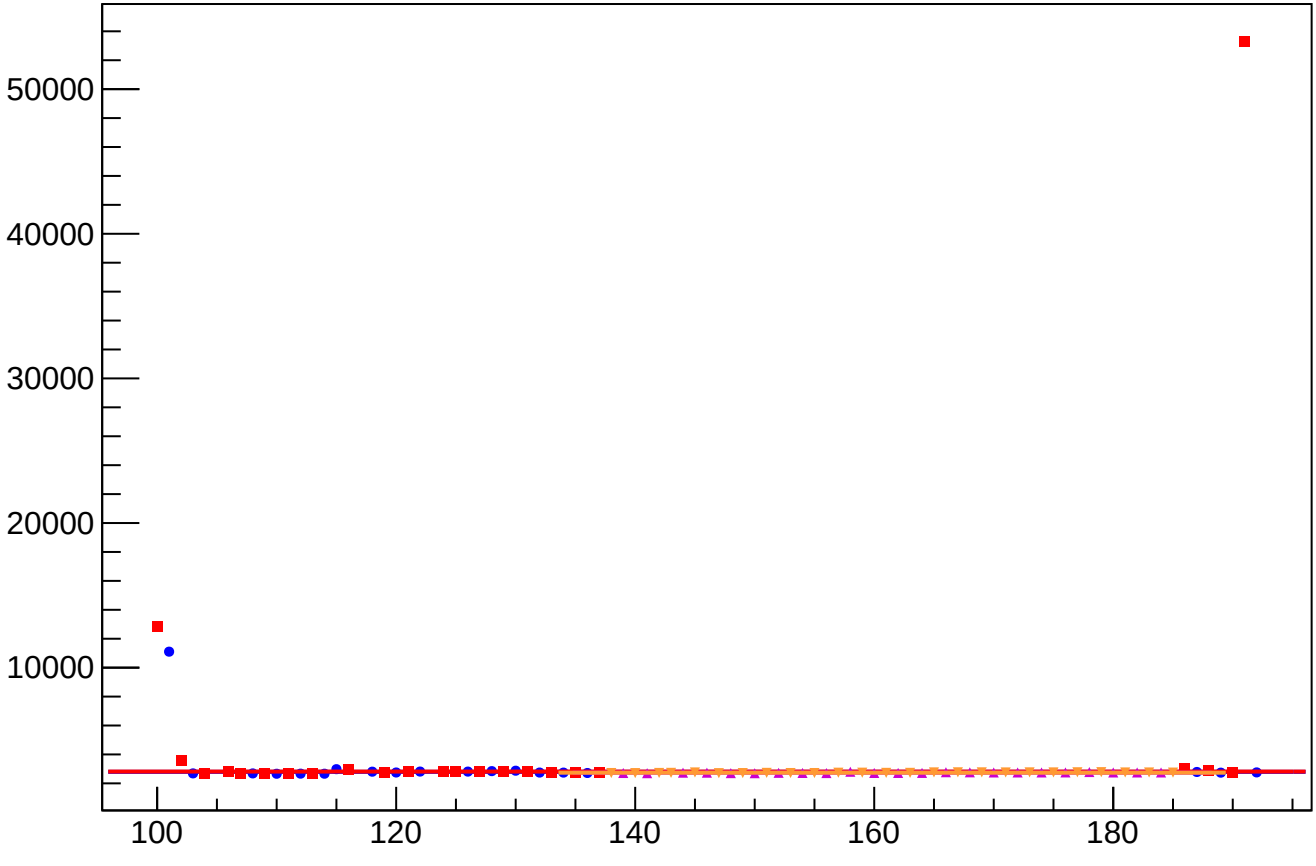
Right: 2142.727+/-670.131 χ^2/NDF: 35.2/41

In: 2332.967+/-531.566 χ^2/NDF:51.3/41

Out: 2424.342+/-518.655 χ^2/NDF:47.0/47

All: 2379.778+/-371.225 χ^2/NDF: 98.4/89

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: 2815.486+/-0.665 χ^2/NDF: 476249.7/22

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

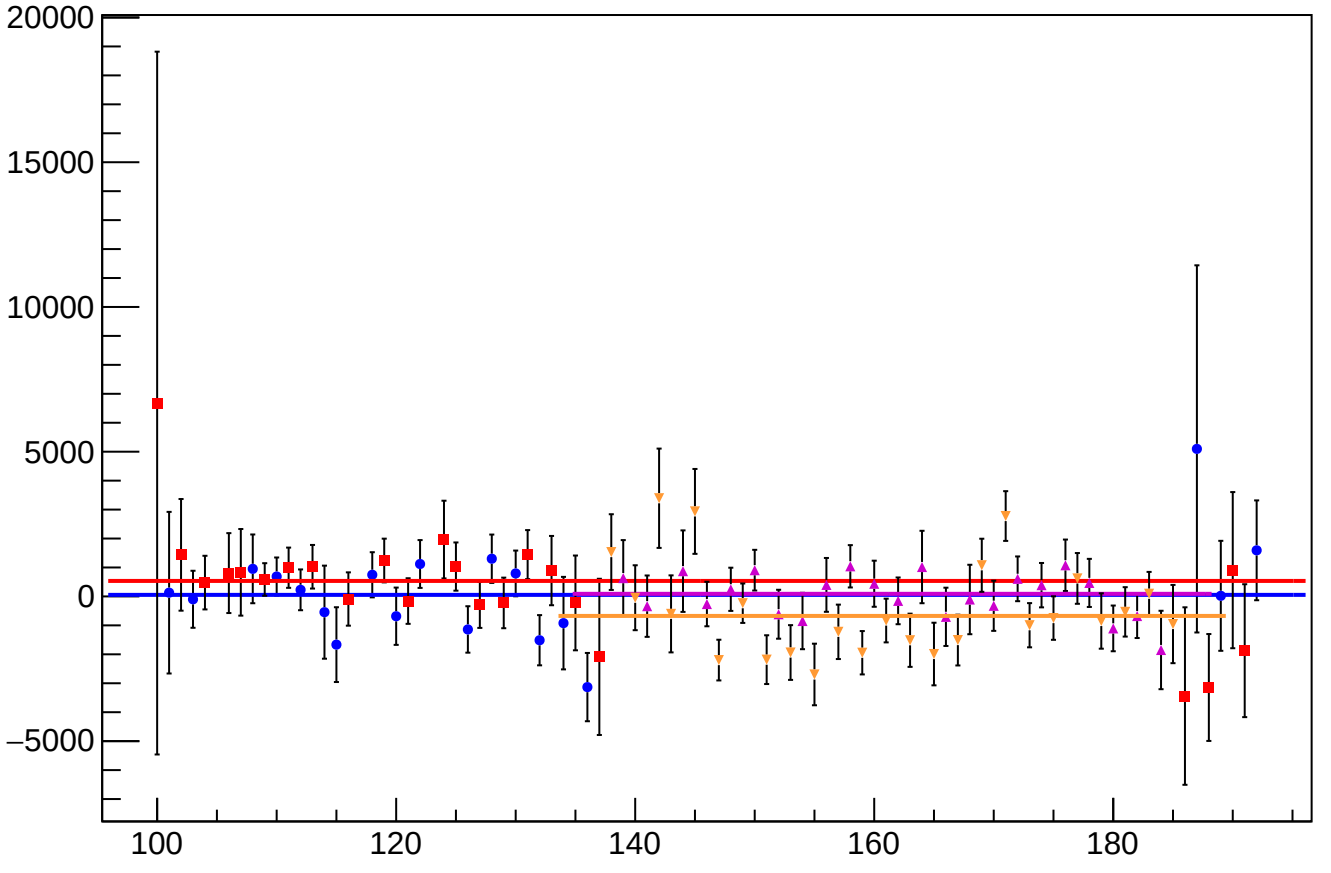
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2805.522+/-0.474 χ^2/NDF: 1223925.4/41

In: 2757.003+/-0.376 χ^2/NDF:755219.1/41

Out: 2761.245+/-0.367 χ^2/NDF:488135.5/47

All: 2759.176+/-0.262 χ^2/NDF: 1243419.8/89



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: 535.236+/-212.334 χ^2/NDF: 16.0/22

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

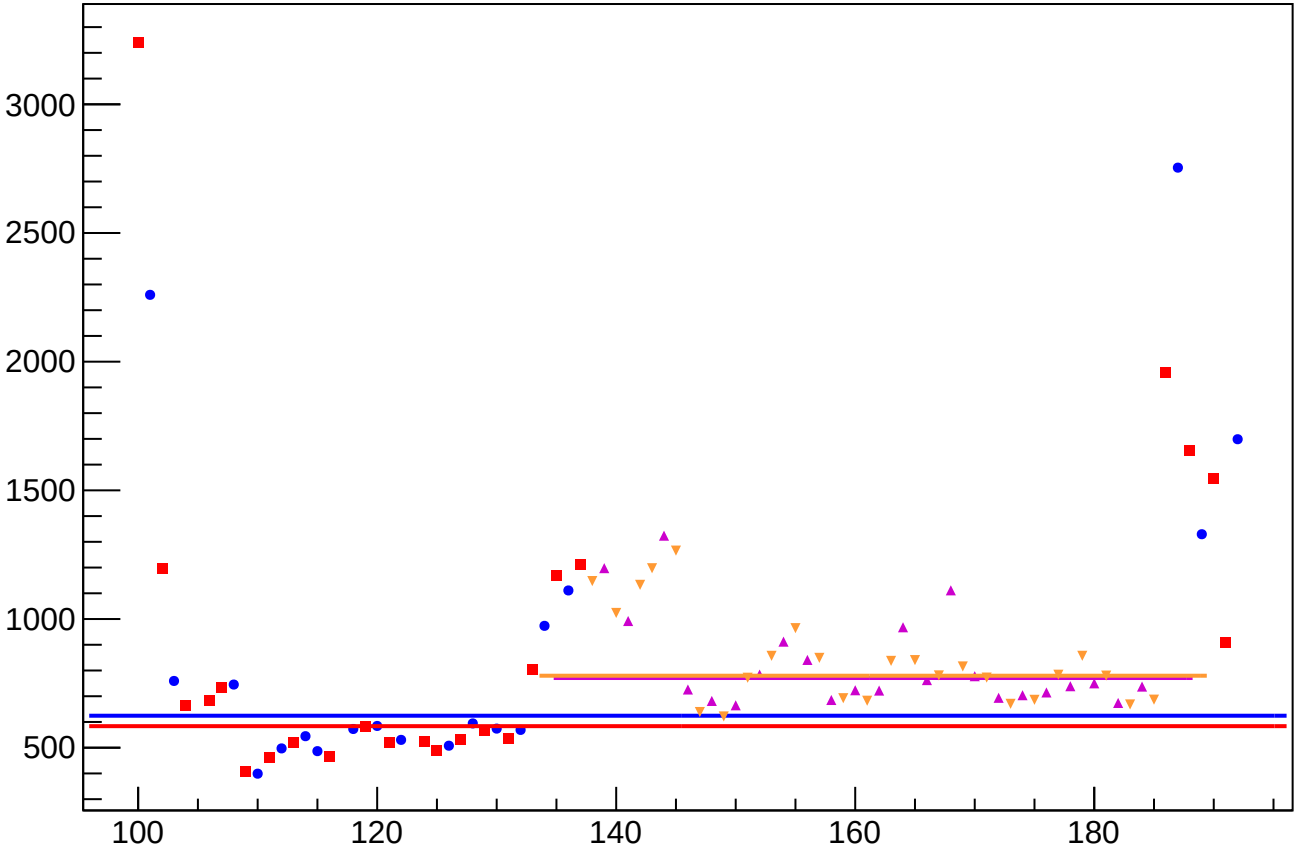
Right: 313.067+/-155.863 χ^2/NDF: 42.6/41

In: 75.548+/-143.319 χ^2/NDF:39.0/41

Out: -164.130+/-137.847 χ^2/NDF:93.2/47

All: -48.954+/-99.351 χ^2/NDF: 133.6/89

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



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: 583.722+/-0.150 χ^2/NDF: 2510887.3/22

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

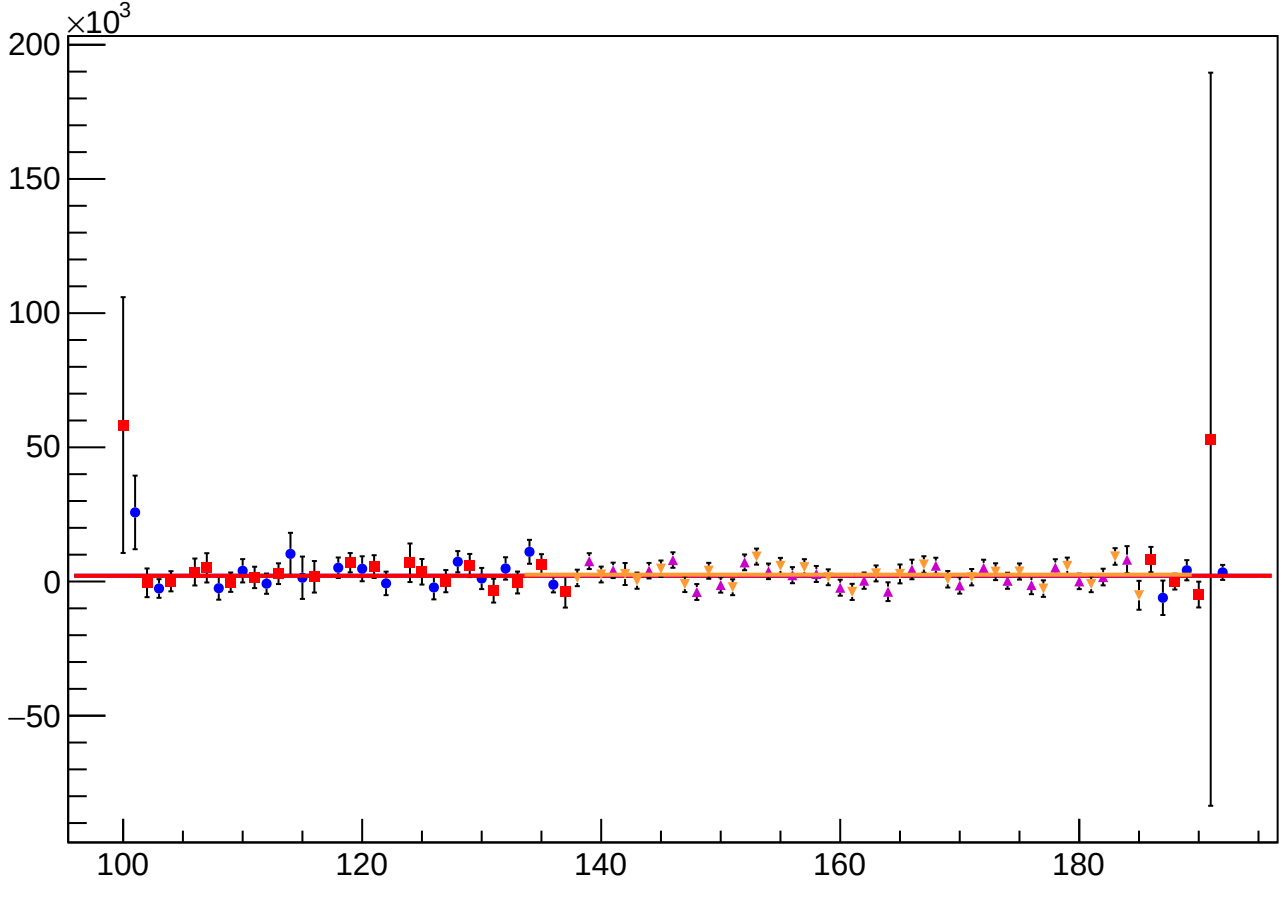
Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

Right: 602.422+/-0.110 χ^2/NDF: 5429137.9/41

In: 713.662+/-0.101 χ^2/NDF:4458225.9/41

Out: 697.111+/-0.097 χ^2/NDF:4740472.9/47

All: 705.064+/-0.070 χ^2/NDF: 9212553.9/89



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: 2121.558+/-940.201 χ^2/NDF: 15.3/22

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

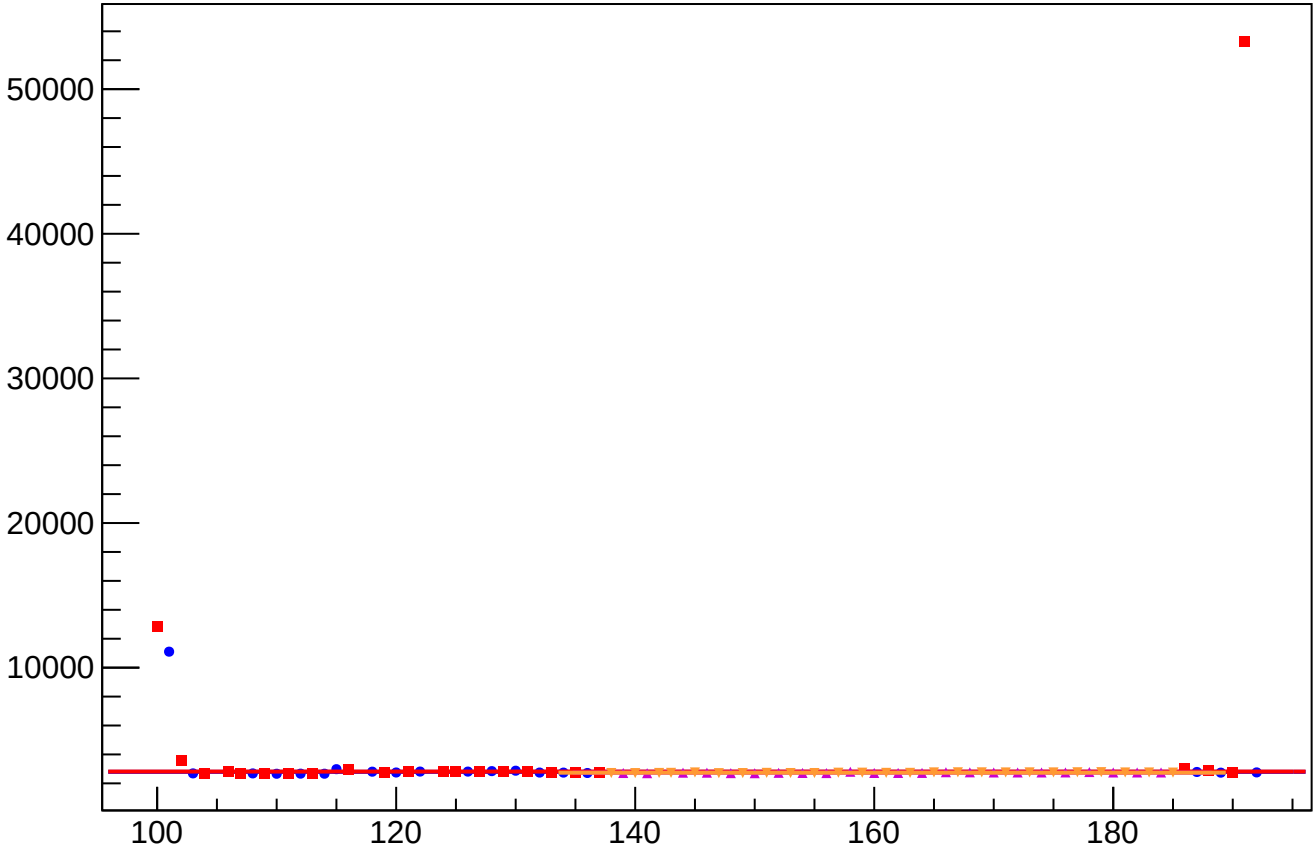
Right: 2142.727+/-670.131 χ^2/NDF: 35.2/41

In: 2332.967+/-531.566 χ^2/NDF:51.3/41

Out: 2424.342+/-518.655 χ^2/NDF:47.0/47

All: 2379.778+/-371.225 χ^2/NDF: 98.4/89

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: 2815.486+/-0.665 χ^2/NDF: 476249.7/22

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

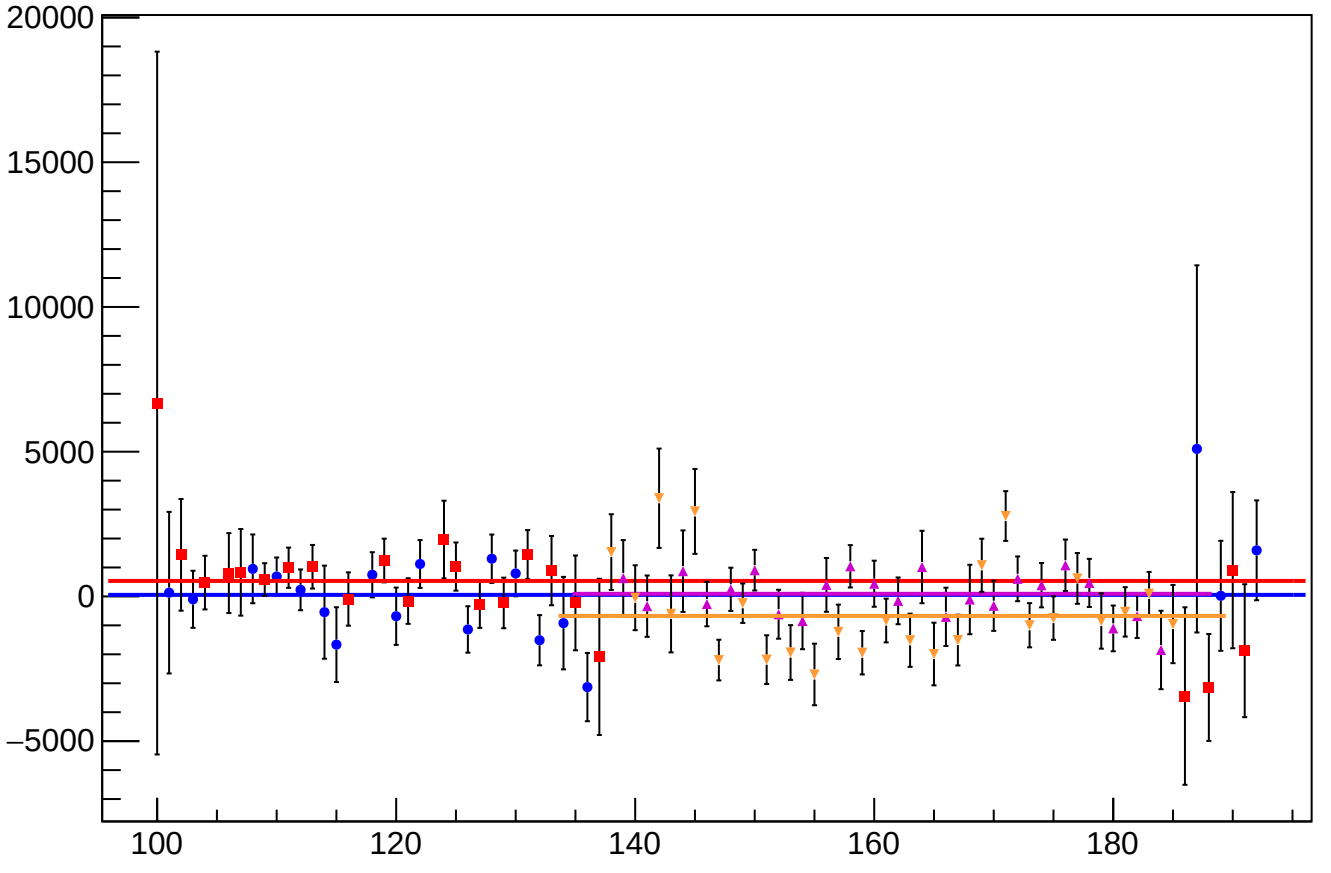
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2805.522+/-0.474 χ^2/NDF: 1223925.4/41

In: 2757.003+/-0.376 χ^2/NDF:755219.1/41

Out: 2761.245+/-0.367 χ^2/NDF:488135.5/47

All: 2759.176+/-0.262 χ^2/NDF: 1243419.8/89



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: 535.236+/-212.334 χ^2/NDF: 16.0/22

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

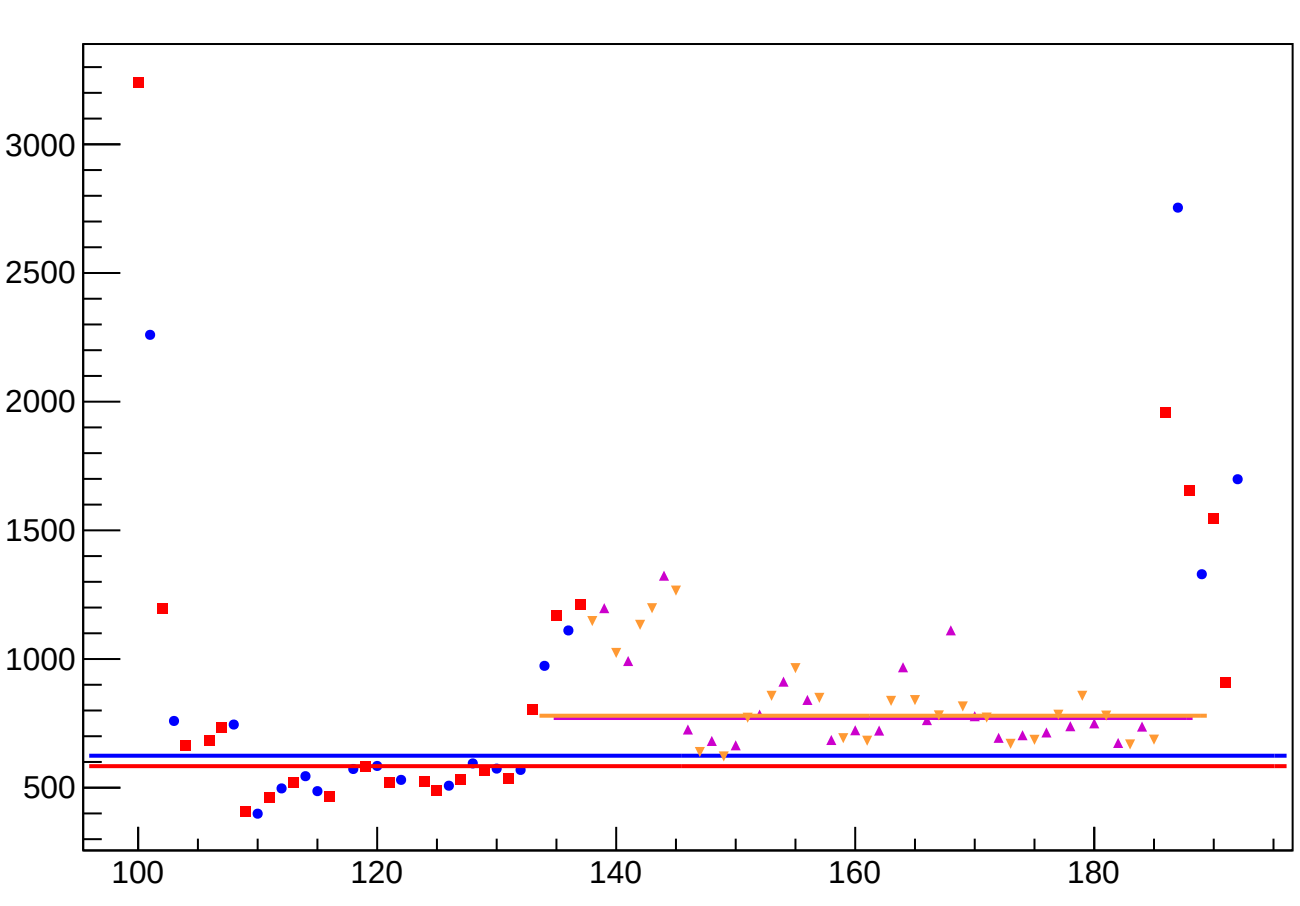
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 313.067+/-155.863 χ^2/NDF: 42.6/41

In: 75.548+/-143.319 χ^2/NDF:39.0/41

Out: -164.130+/-137.847 χ^2/NDF:93.2/47

All: -48.954+/-99.351 χ^2/NDF: 133.6/89



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: 583.722+/-0.150 χ^2/NDF: 2510887.3/22

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

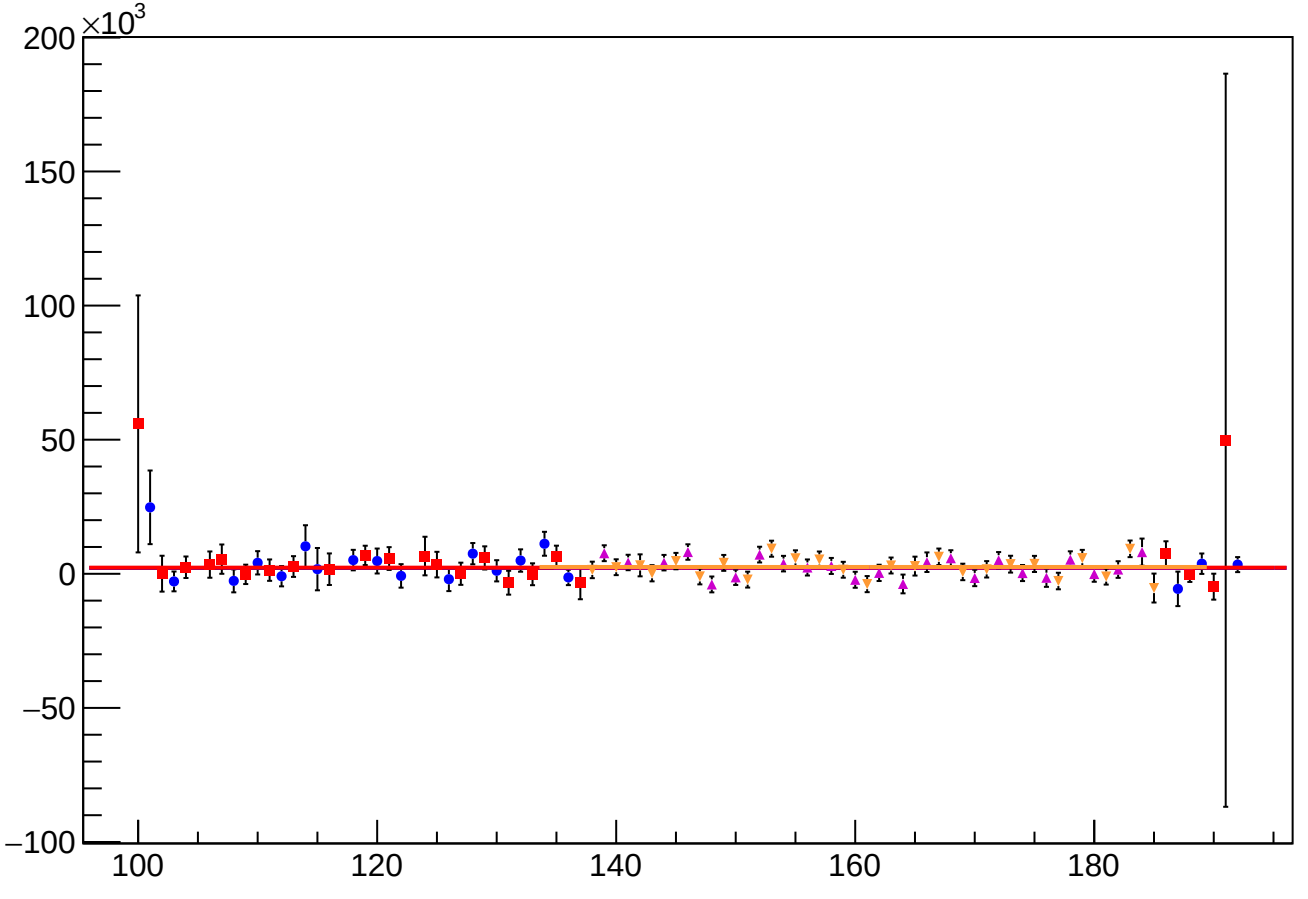
Right: 602.422+/-0.110 χ^2/NDF: 5429137.9/41

In: 713.662+/-0.101 χ^2/NDF:4458225.9/41

Out: 697.111+/-0.097 χ^2/NDF:4740472.9/47

All: 705.064+/-0.070 χ^2/NDF: 9212553.9/89

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: 2281.493+/-949.678 χ^2/NDF: 14.1/22

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

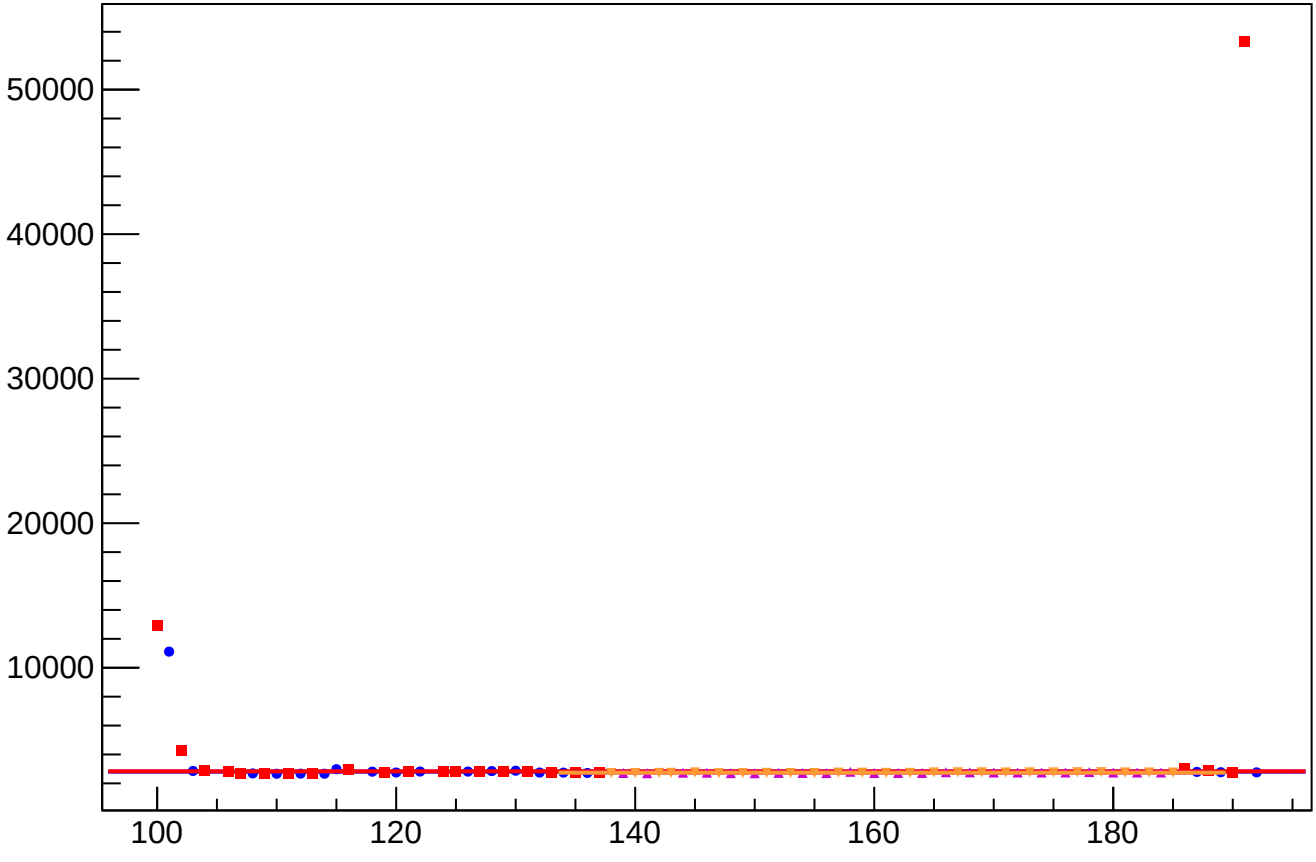
Right: 2226.295+/-675.557 χ^2/NDF: 33.9/41

In: 2334.013+/-532.764 χ^2/NDF:51.6/41

Out: 2465.885+/-520.468 χ^2/NDF:46.1/47

All: 2401.488+/-372.298 χ^2/NDF: 97.7/89

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: 2833.646+/-0.672 χ^2/NDF: 528905.6/22

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

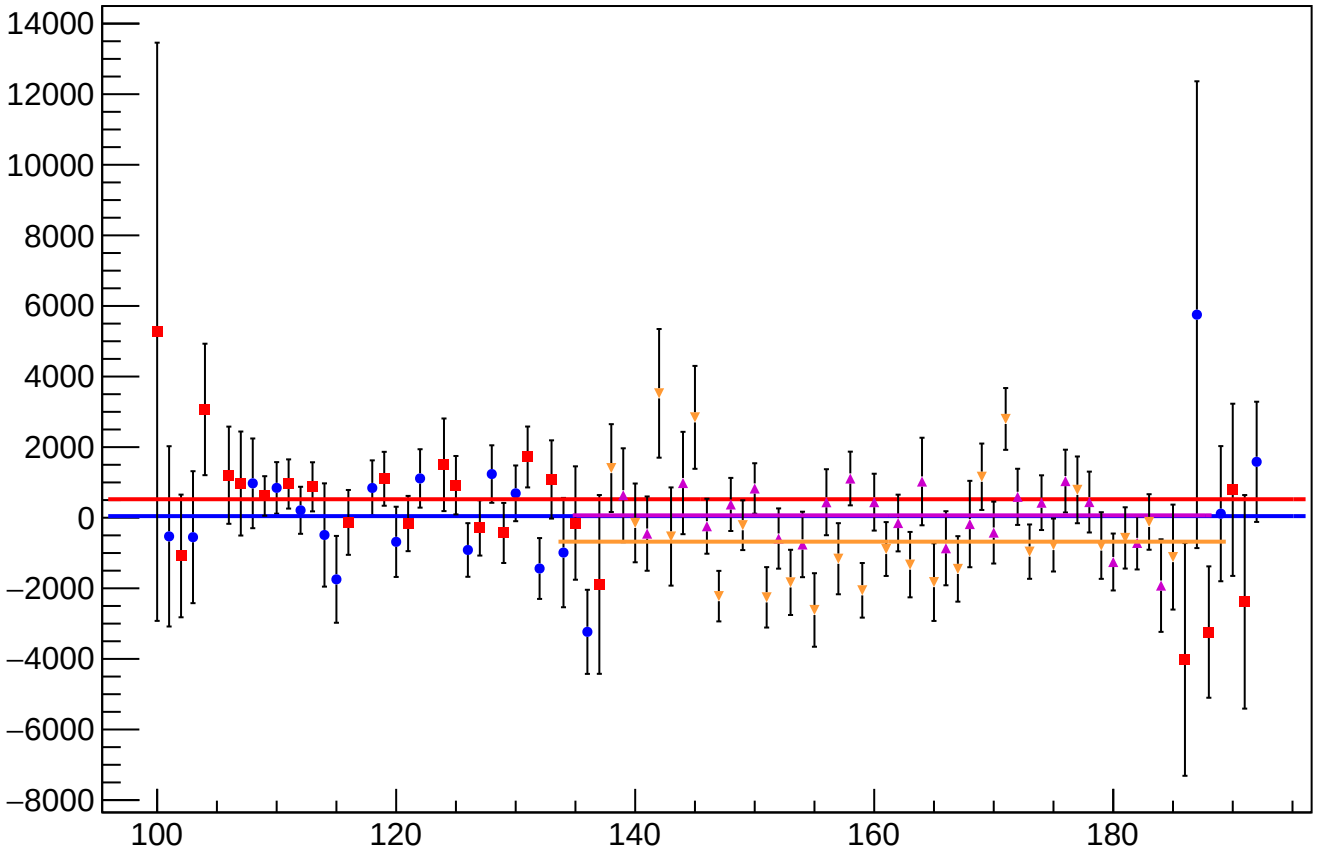
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2823.113+/-0.478 χ^2/NDF: 1274412.9/41

In: 2763.182+/-0.377 χ^2/NDF:755924.2/41

Out: 2767.640+/-0.368 χ^2/NDF:545037.2/47

All: 2765.463+/-0.263 χ^2/NDF: 1301033.1/89



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: 523.929+/-213.804 χ^2/NDF: 19.2/22

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

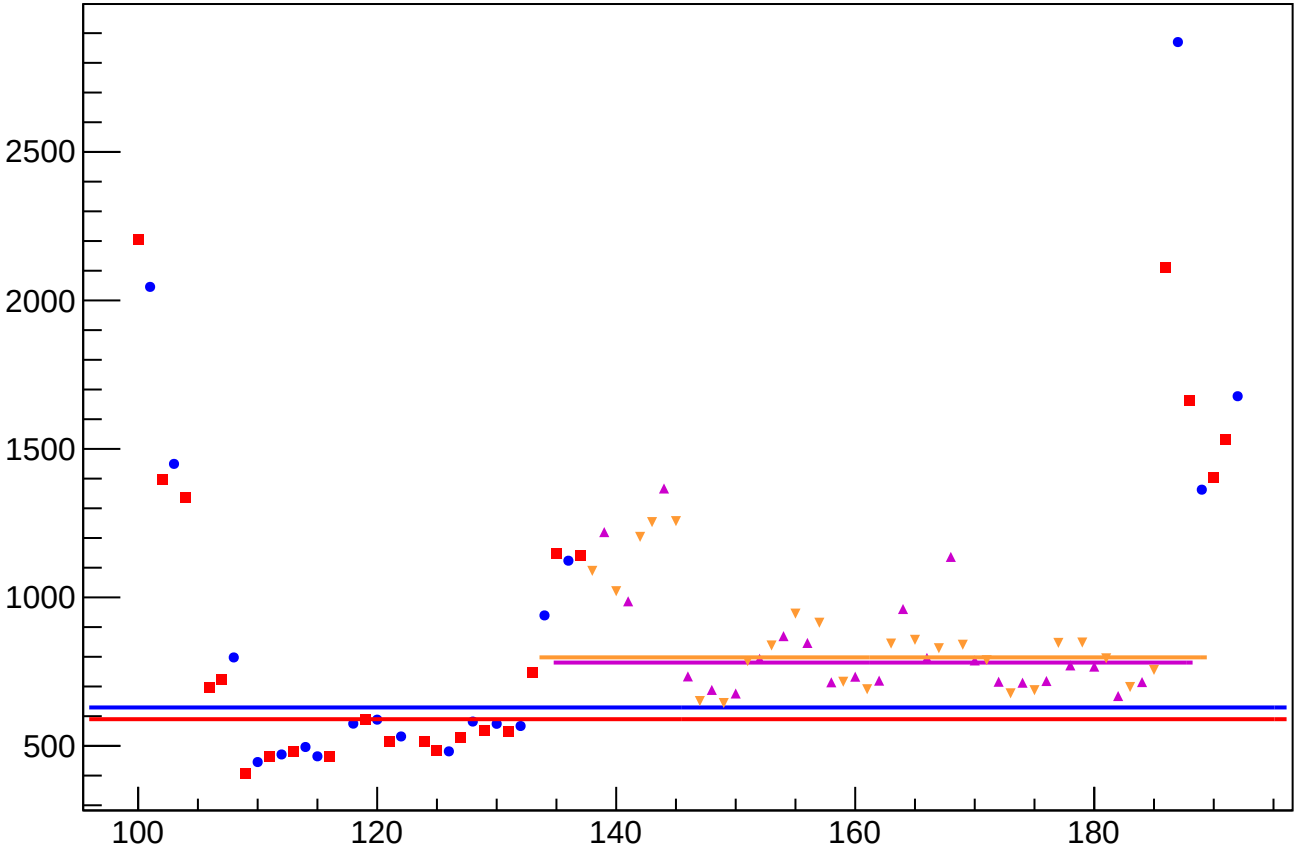
Right: 305.463+/-157.619 χ^2/NDF: 45.9/41

In: 58.725+/-145.161 χ^2/NDF:40.2/41

Out: -163.511+/-139.900 χ^2/NDF:93.5/47

All: -56.493+/-100.733 χ^2/NDF: 135.0/89

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



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: 589.872+/-0.151 χ^2/NDF: 3181614.0/22

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

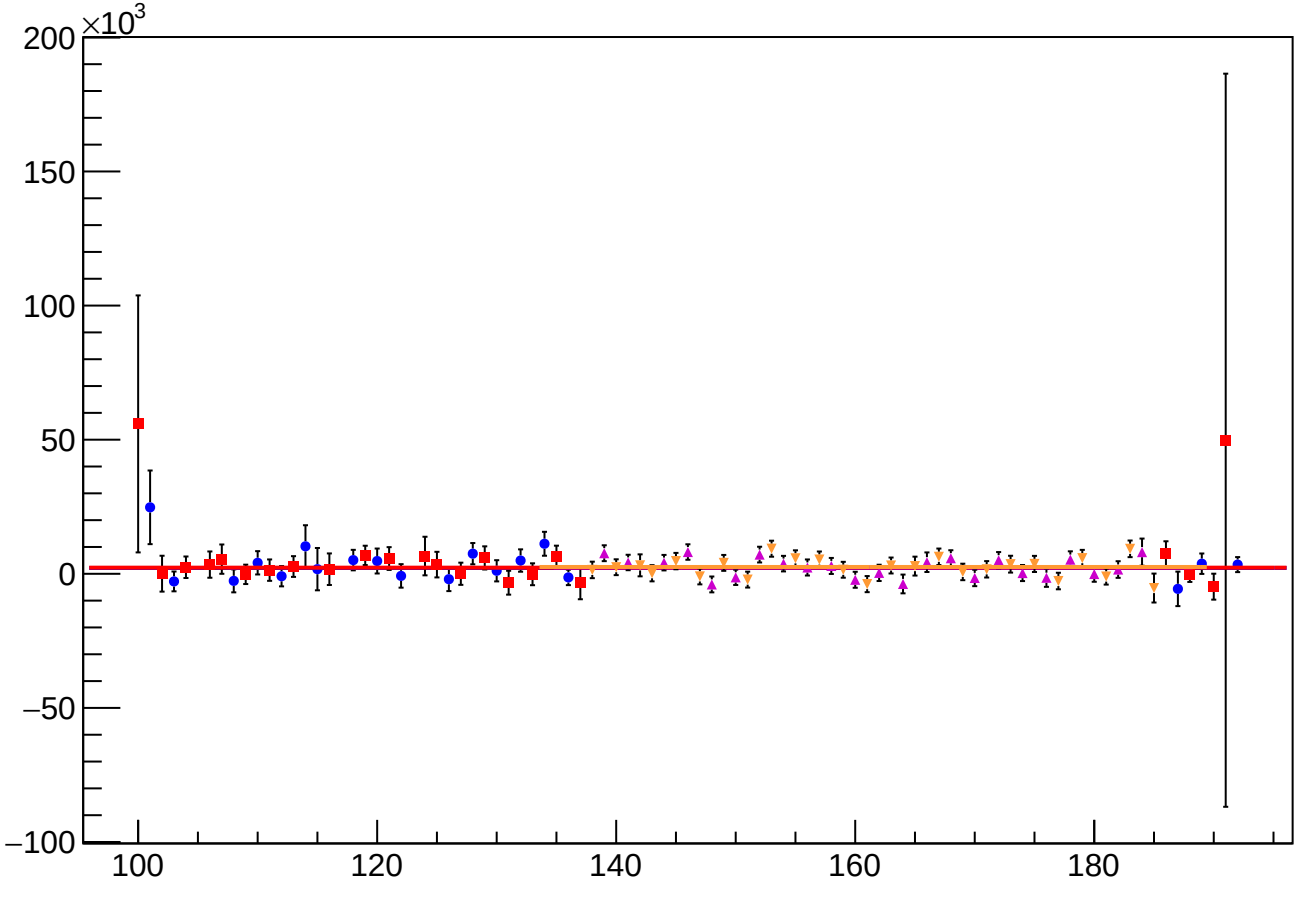
Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

Right: 607.918+/-0.111 χ^2/NDF: 6388276.4/41

In: 722.010+/-0.103 χ^2/NDF:4754610.1/41

Out: 708.940+/-0.099 χ^2/NDF:5434683.7/47

All: 715.234+/-0.071 χ^2/NDF: 10197699.3/89



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: 2281.490+/-949.678 χ^2/NDF: 14.1/22

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

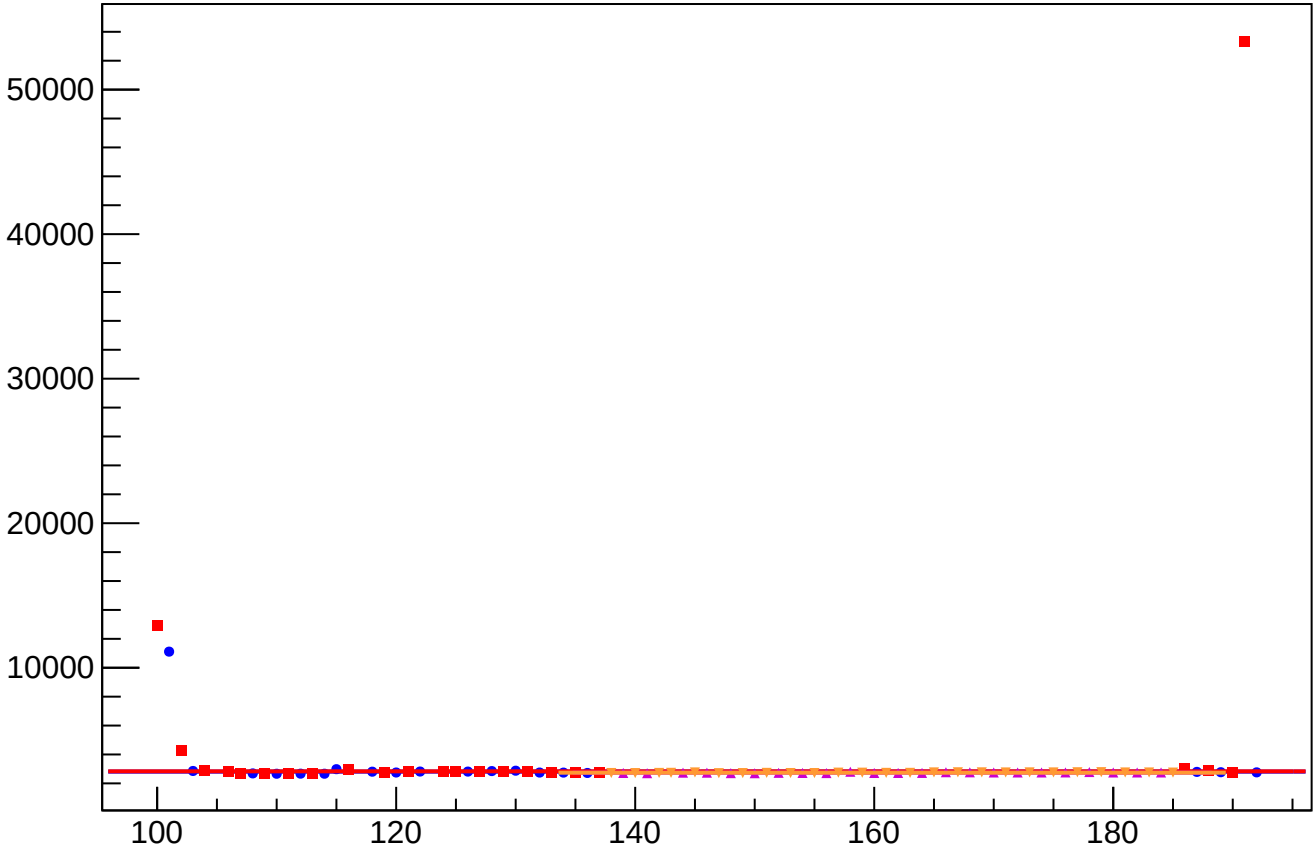
Right: 2226.293+/-675.557 χ^2/NDF: 33.9/41

In: 2334.013+/-532.764 χ^2/NDF:51.6/41

Out: 2465.884+/-520.468 χ^2/NDF:46.1/47

All: 2401.488+/-372.298 χ^2/NDF: 97.7/89

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: 2833.646+/-0.672 χ^2/NDF: 528905.4/22

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

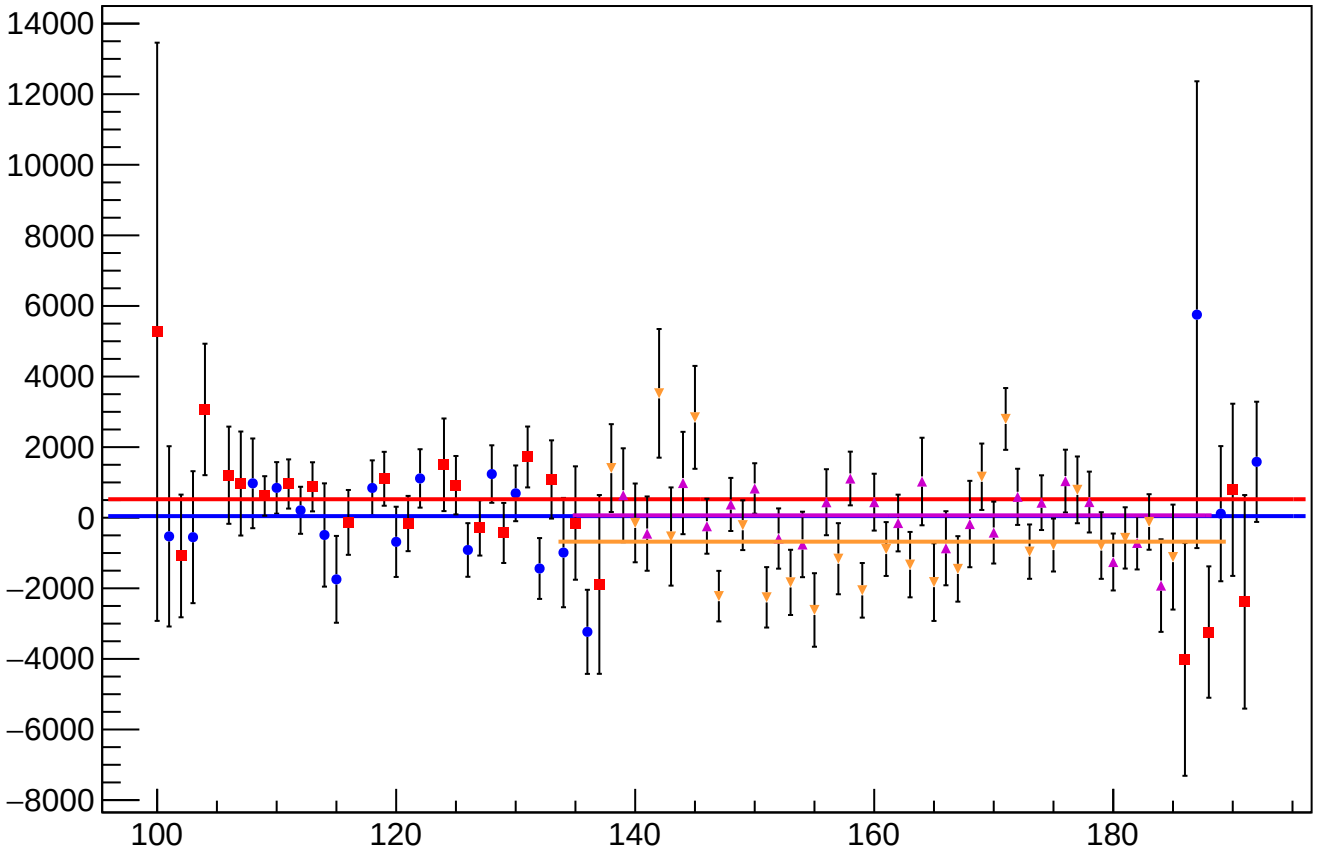
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2823.113+/-0.478 χ^2/NDF: 1274412.7/41

In: 2763.182+/-0.377 χ^2/NDF:755924.1/41

Out: 2767.640+/-0.368 χ^2/NDF:545037.0/47

All: 2765.463+/-0.263 χ^2/NDF: 1301032.8/89



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: 523.929+/-213.804 χ^2/NDF: 19.2/22

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

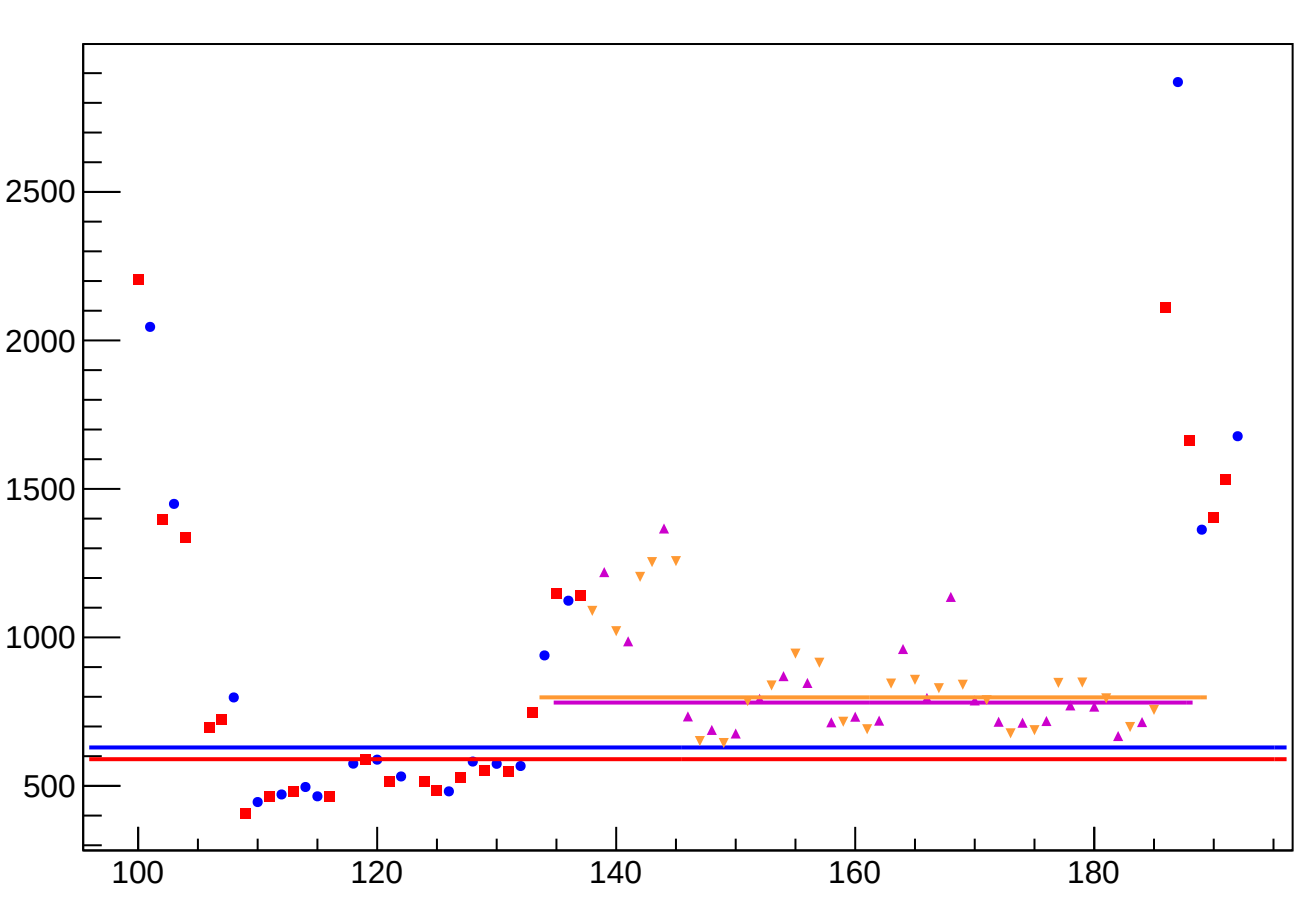
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 305.463+/-157.619 χ^2/NDF: 45.9/41

In: 58.726+/-145.161 χ^2/NDF:40.2/41

Out: -163.512+/-139.900 χ^2/NDF:93.5/47

All: -56.493+/-100.733 χ^2/NDF: 135.0/89



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: 589.872+/-0.151 χ^2/NDF: 3181612.5/22

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

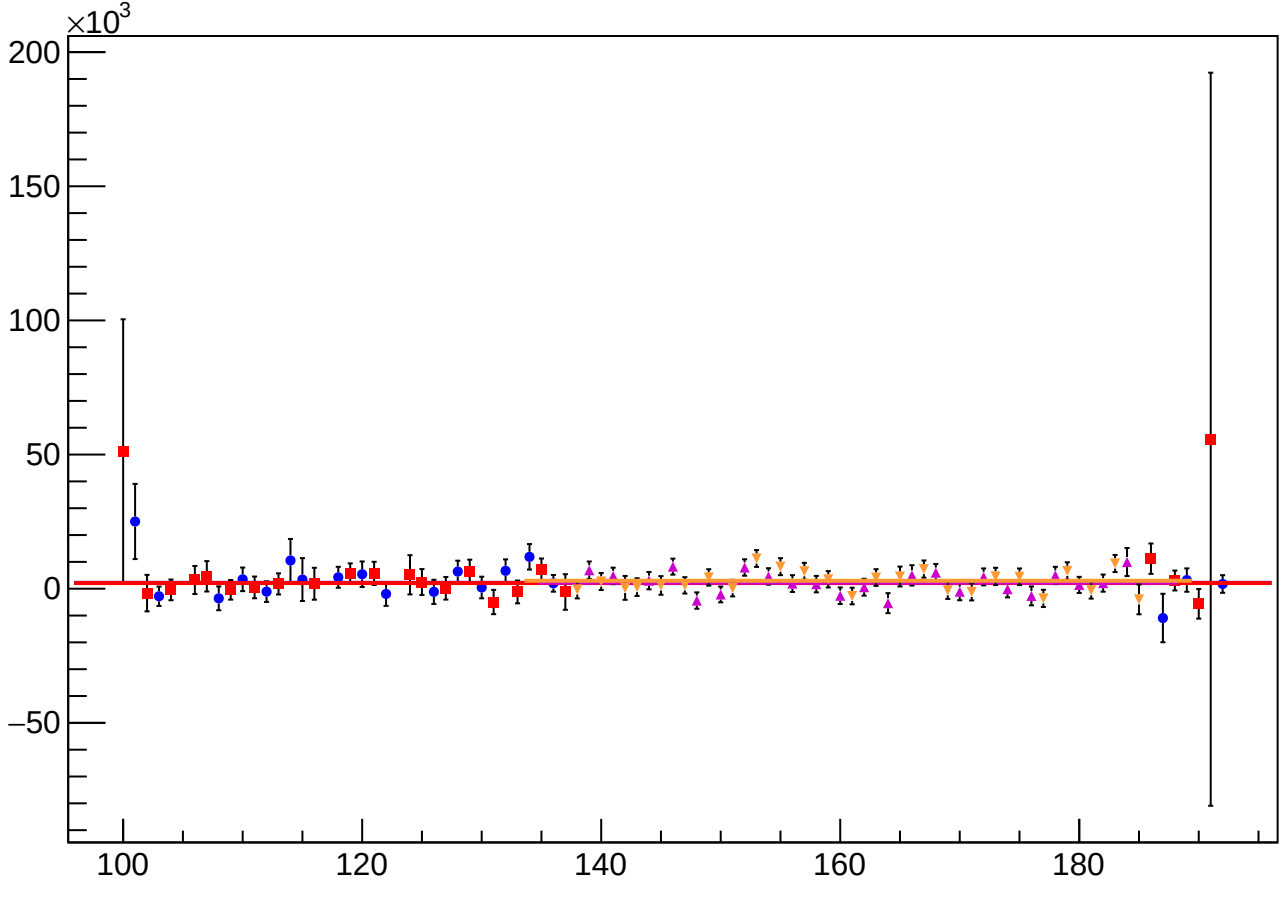
Right: 607.919+/-0.111 χ^2/NDF: 6388270.2/41

In: 722.010+/-0.103 χ^2/NDF:4754603.8/41

Out: 708.940+/-0.099 χ^2/NDF:5434683.2/47

All: 715.234+/-0.071 χ^2/NDF: 10197692.5/89

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: 2105.468+/-999.107 χ^2/NDF: 15.1/22

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

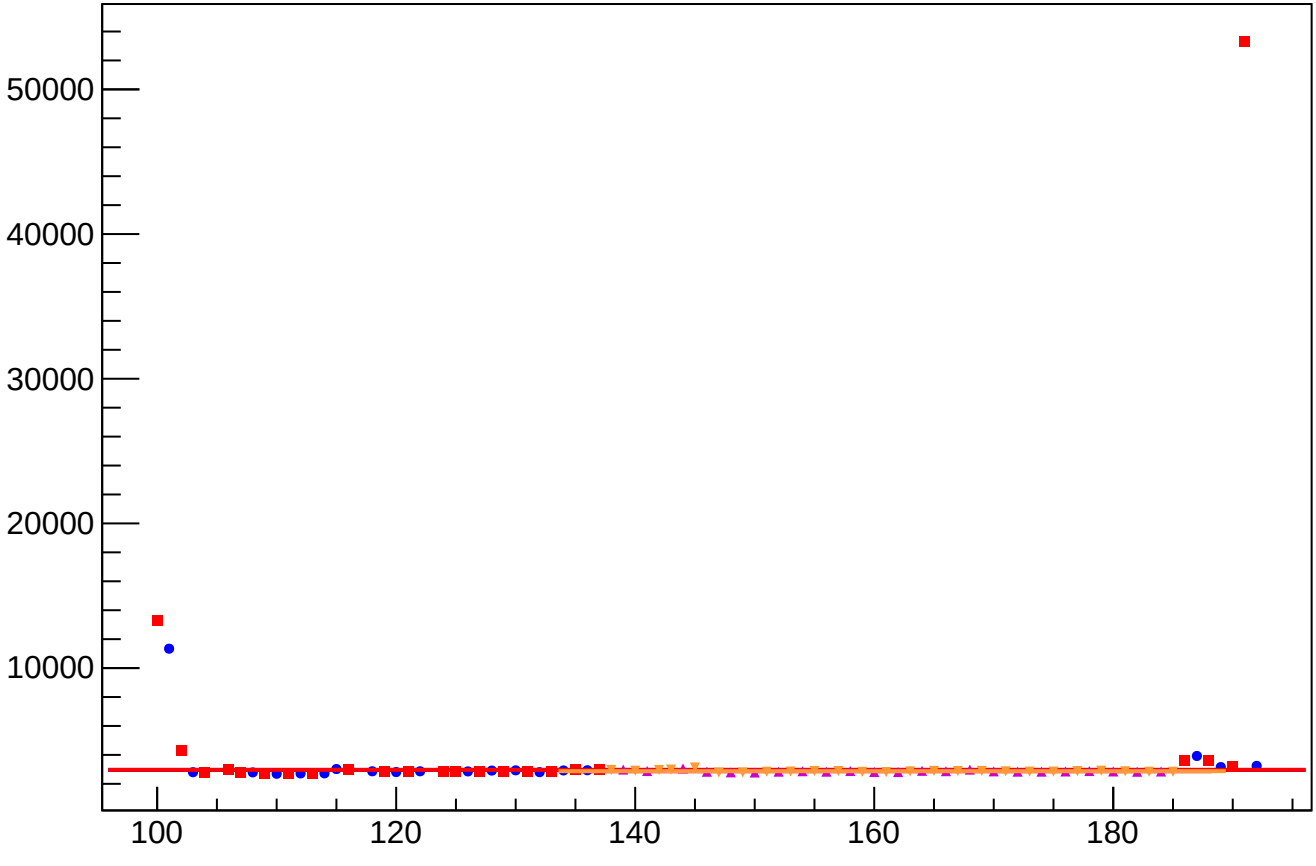
Right: 2146.402+/-711.306 χ^2/NDF: 34.1/41

In: 2222.565+/-559.003 χ^2/NDF:52.9/41

Out: 2710.610+/-546.775 χ^2/NDF:51.3/47

All: 2471.984+/-390.880 χ^2/NDF: 104.5/89

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: 2967.320+/-0.706 χ^2/NDF: 614882.6/22

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

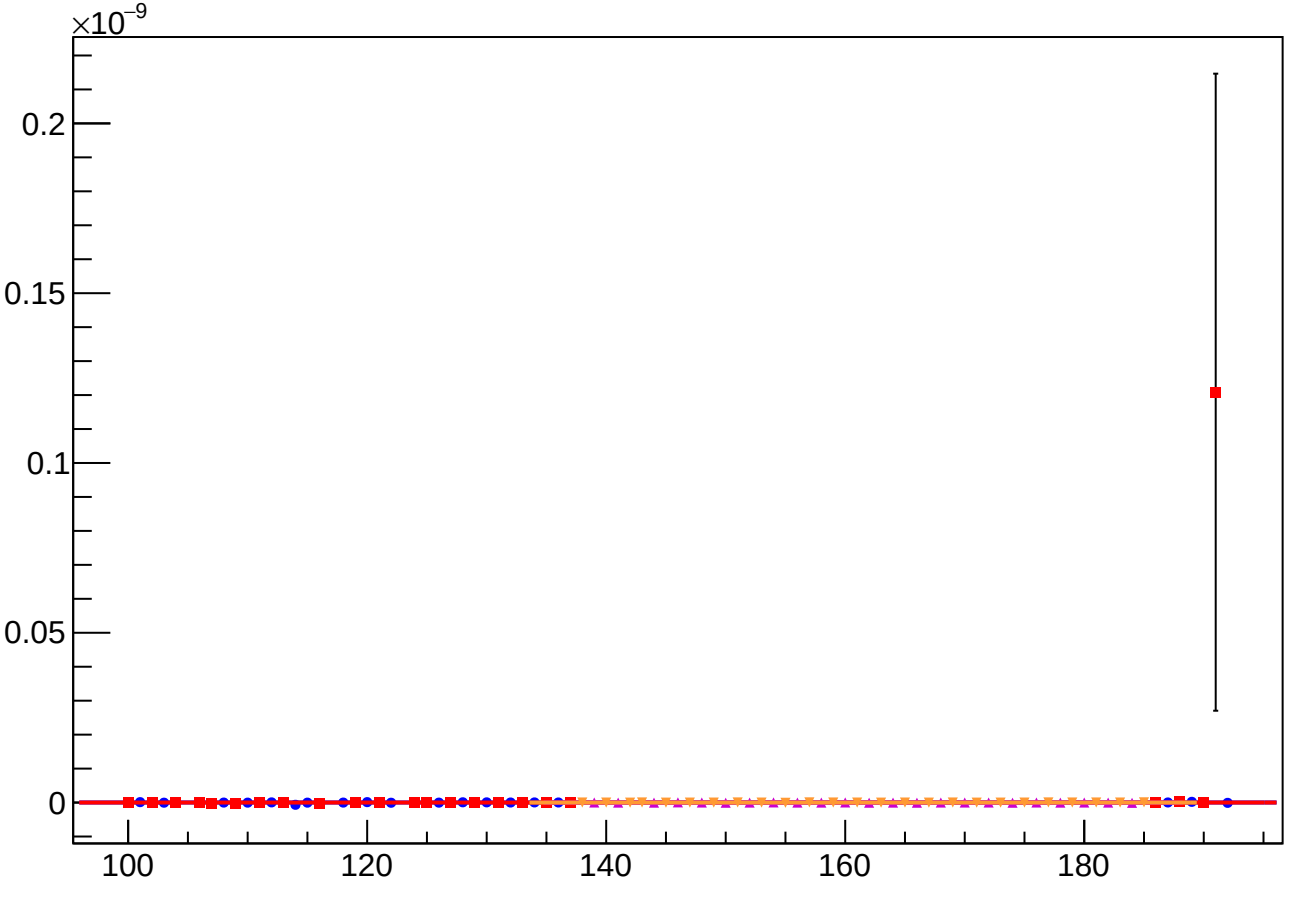
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 2963.229+/-0.503 χ^2/NDF: 1404246.7/41

In: 2897.220+/-0.395 χ^2/NDF:817690.6/41

Out: 2902.603+/-0.387 χ^2/NDF:648651.0/47

All: 2899.971+/-0.276 χ^2/NDF: 1466436.3/89



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: 30.2/22

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

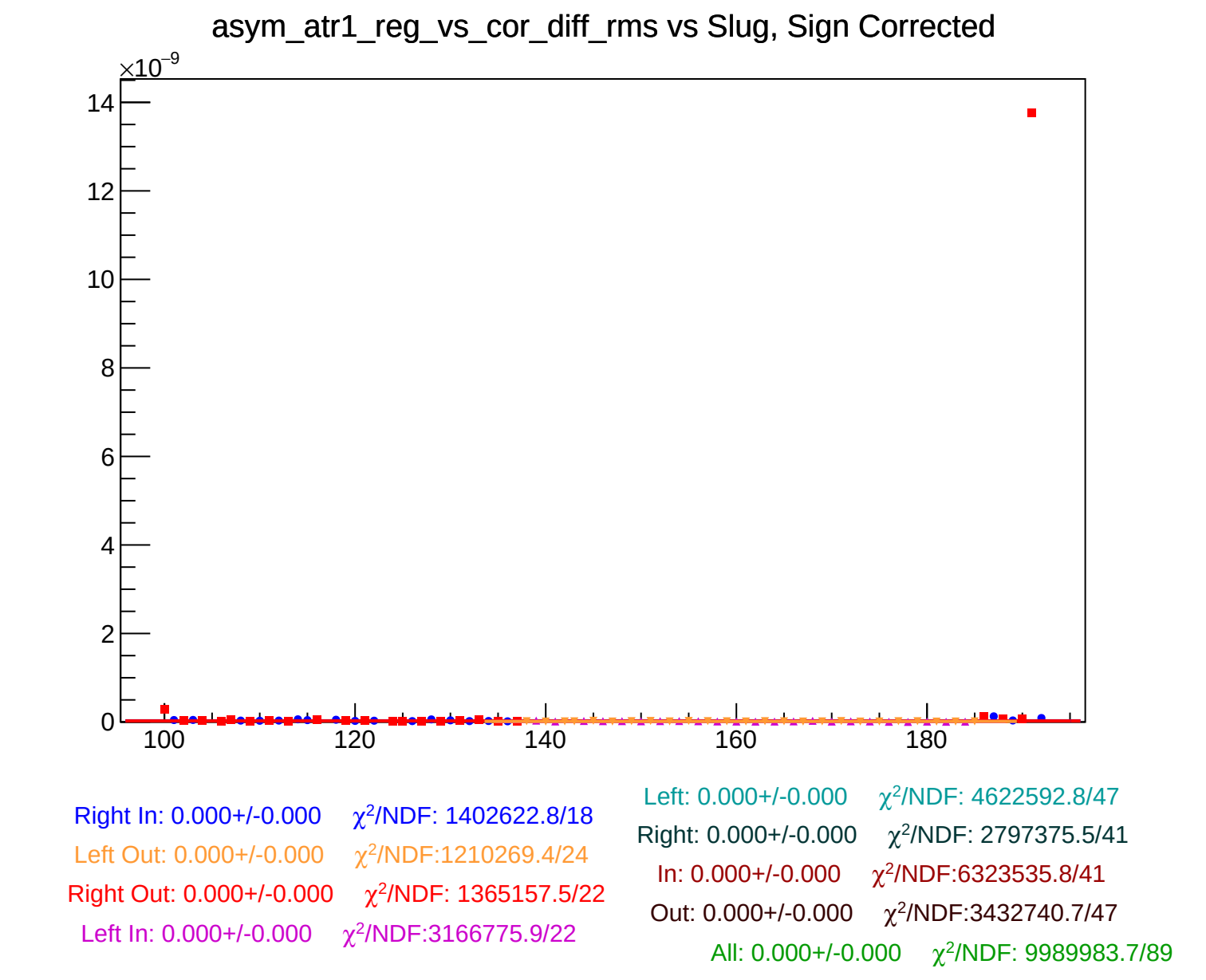
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

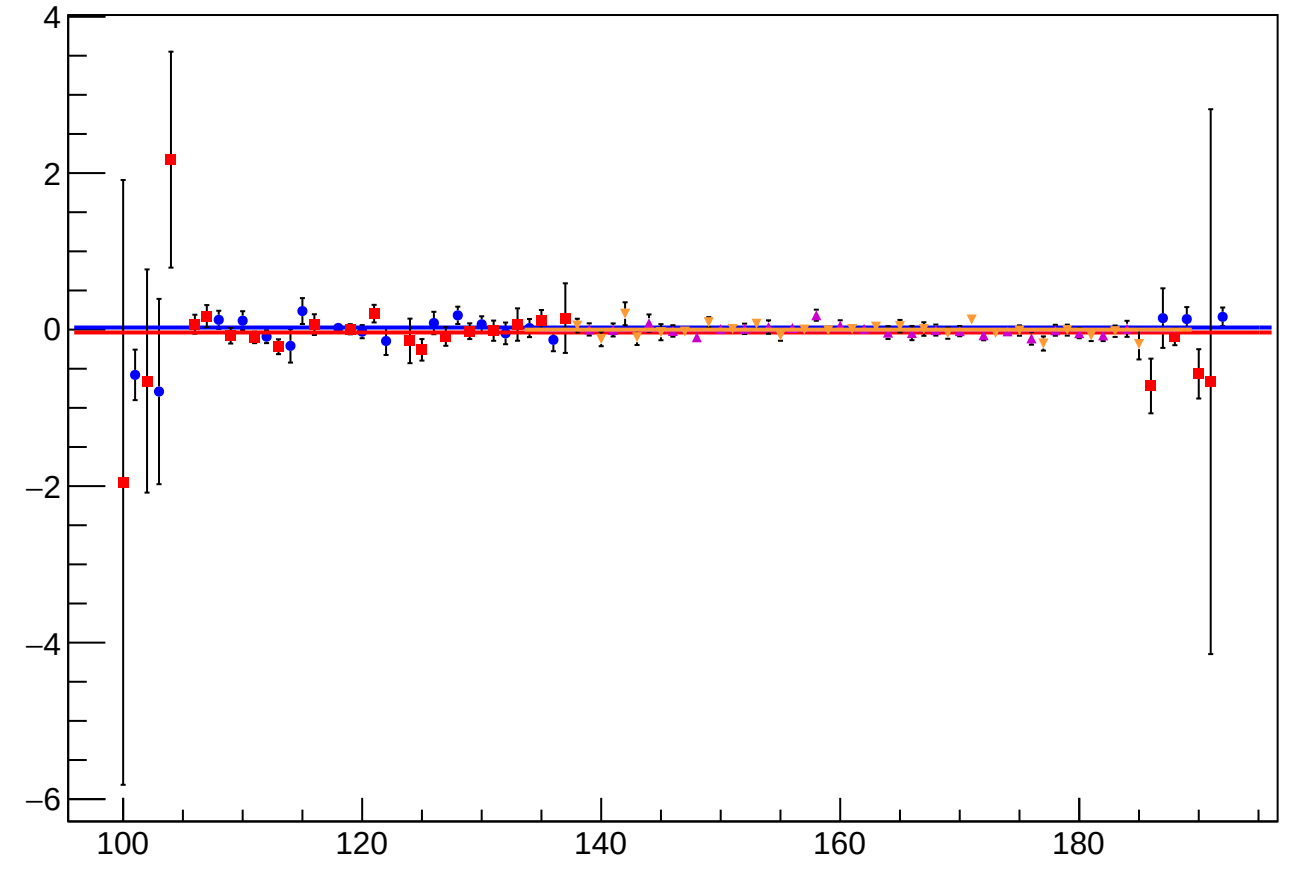
Right: 0.000+/-0.000 χ^2/NDF: 44.9/41

In: -0.000+/-0.000 χ^2/NDF:45.0/41

Out: 0.000+/-0.000 χ^2/NDF:44.7/47

All: -0.000+/-0.000 χ^2/NDF: 90.3/89


asym_atr1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 1402622.8/18
Left Out: 0.000+/-0.000 χ²/NDF:1210269.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 1365157.5/22
Left In: 0.000+/-0.000 χ²/NDF:3166775.9/22
Left: 0.000+/-0.000 χ²/NDF: 4622592.8/47
Right: 0.000+/-0.000 χ²/NDF: 2797375.5/41
In: 0.000+/-0.000 χ²/NDF:6323535.8/41
Out: 0.000+/-0.000 χ²/NDF:3432740.7/47
All: 0.000+/-0.000 χ²/NDF: 9989983.7/89



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: -0.037+/-0.027 χ^2/NDF: 27.9/22

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

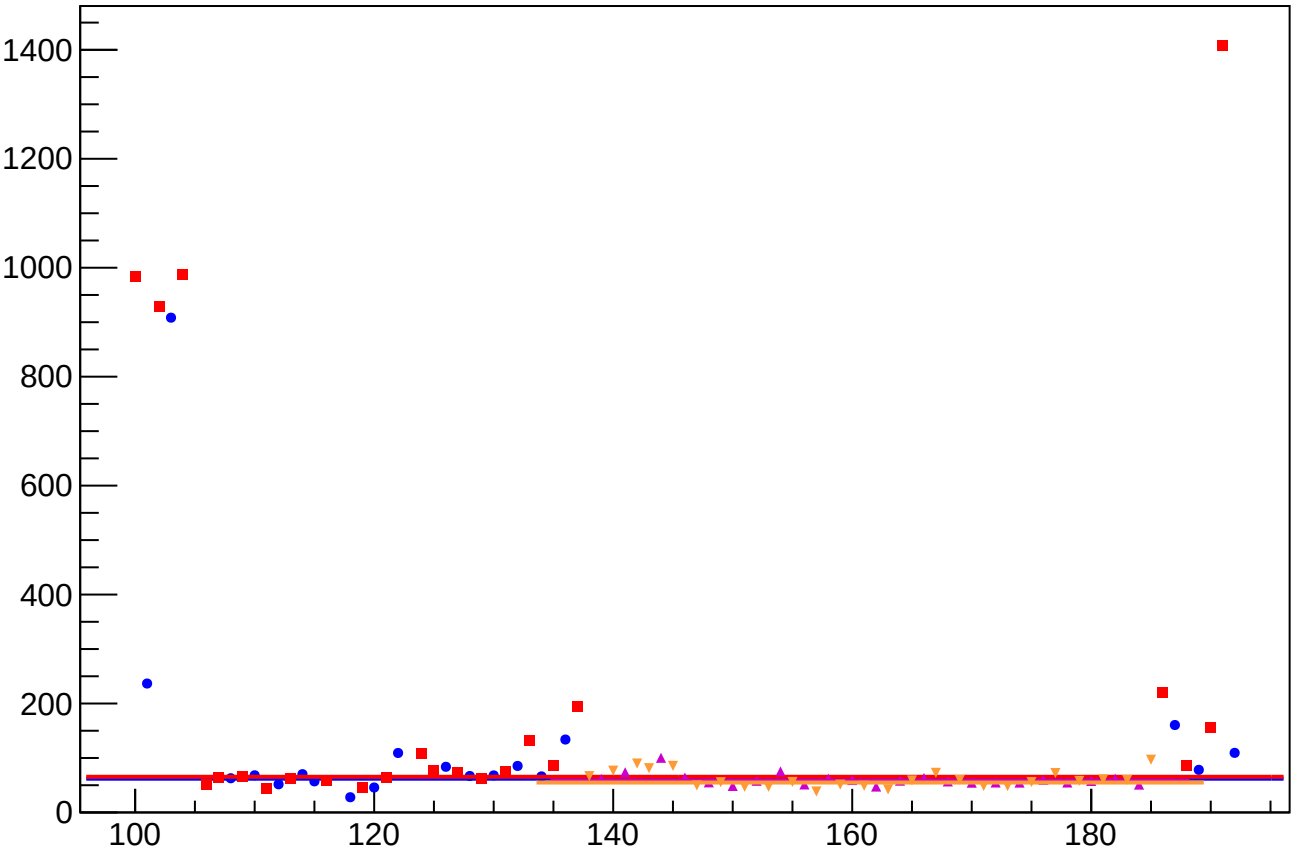
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.005+/-0.019 χ^2/NDF: 47.9/41

In: 0.000+/-0.013 χ^2/NDF:34.0/41

Out: -0.008+/-0.012 χ^2/NDF:51.9/47

All: -0.004+/-0.009 χ^2/NDF: 86.1/89



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: 65.490+/-0.019 χ^2/NDF: 3592505.4/22

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

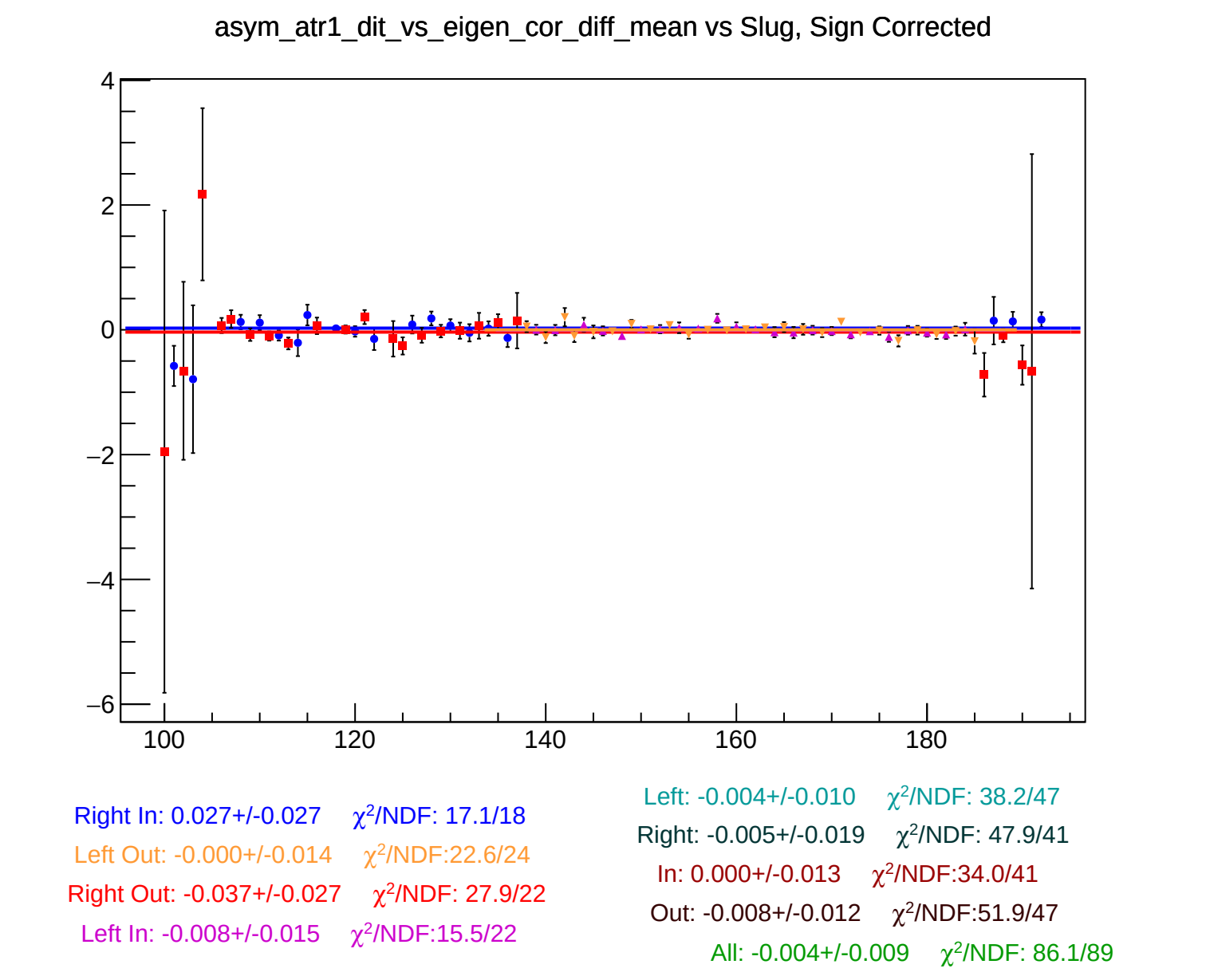
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

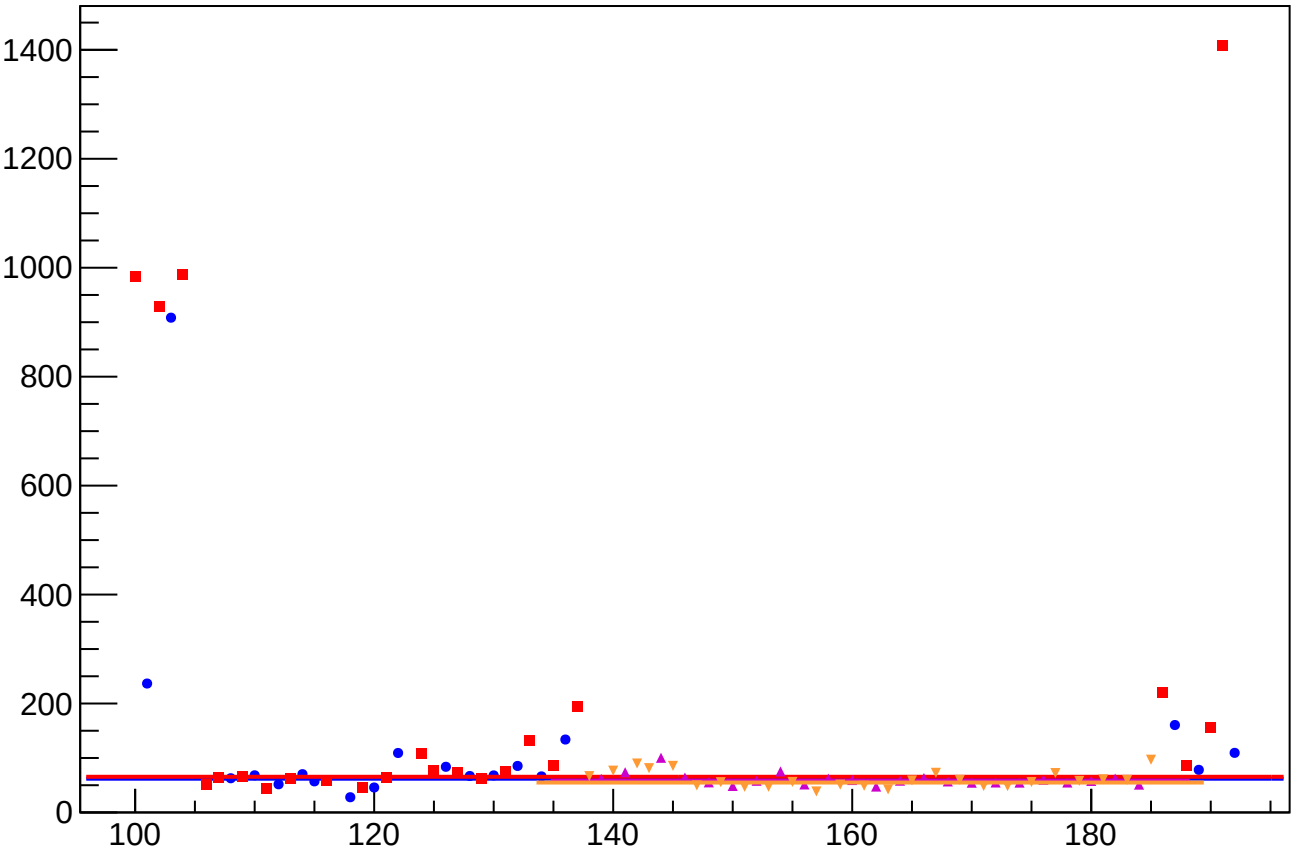
Right: 63.713+/-0.013 χ^2/NDF: 7379919.3/41

In: 59.048+/-0.009 χ^2/NDF:4459375.4/41

Out: 57.202+/-0.009 χ^2/NDF:5131551.1/47

All: 58.090+/-0.006 χ^2/NDF: 9611977.2/89


asym_atr1_dit_vs_eigen_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: -0.037+/-0.027 χ²/NDF: 27.9/22
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: -0.005+/-0.019 χ²/NDF: 47.9/41
In: 0.000+/-0.013 χ²/NDF:34.0/41
Out: -0.008+/-0.012 χ²/NDF:51.9/47
All: -0.004+/-0.009 χ²/NDF: 86.1/89



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: 65.490+/-0.019 χ^2/NDF: 3592505.4/22

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

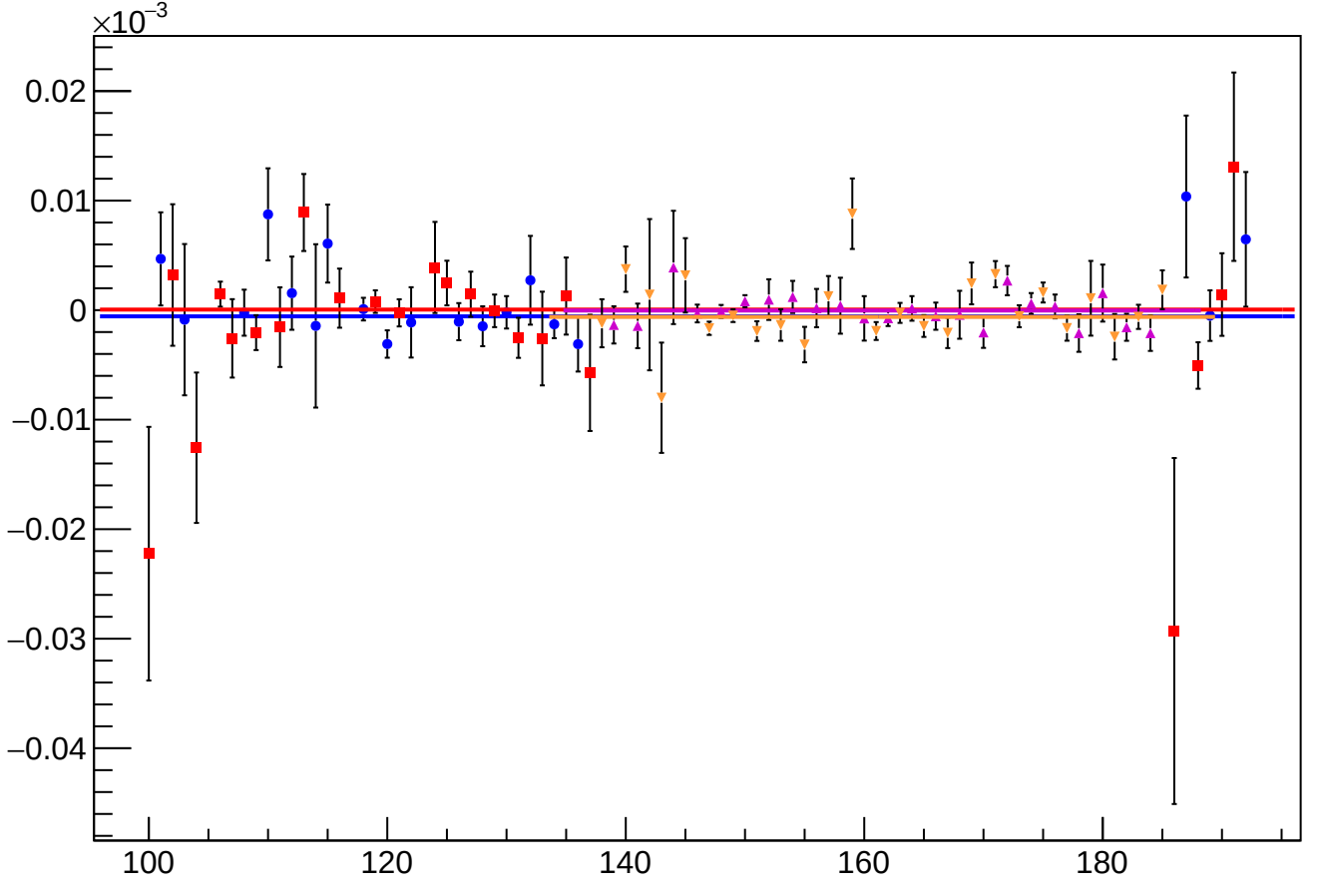
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 63.713+/-0.013 χ^2/NDF: 7379919.3/41

In: 59.048+/-0.009 χ^2/NDF:4459375.4/41

Out: 57.202+/-0.009 χ^2/NDF:5131551.1/47

All: 58.090+/-0.006 χ^2/NDF: 9611977.2/89



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: 36.4/22

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

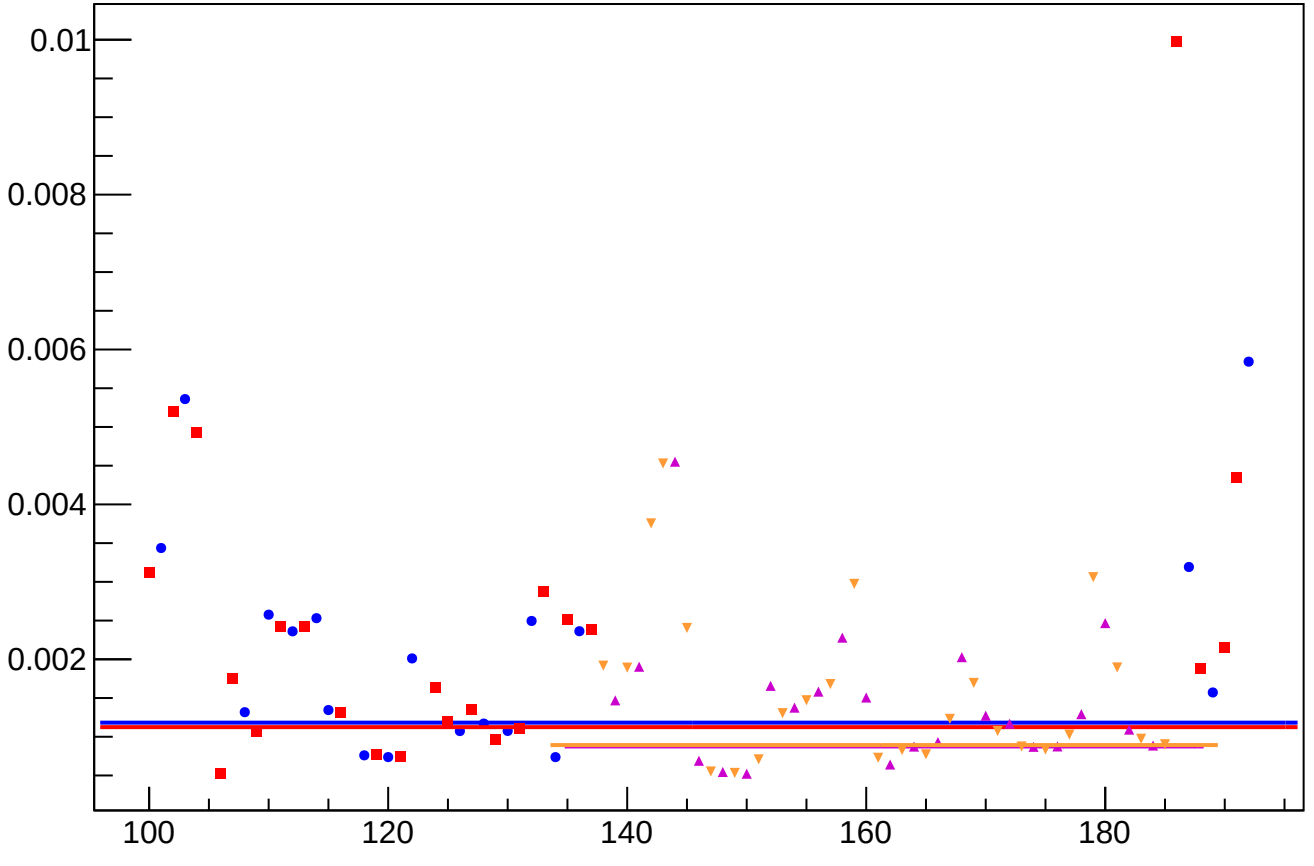
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 58.1/41

In: -0.000+/-0.000 χ^2/NDF:40.0/41

Out: -0.000+/-0.000 χ^2/NDF:91.0/47

All: -0.000+/-0.000 χ^2/NDF: 132.2/89



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: 5205595.5/22

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

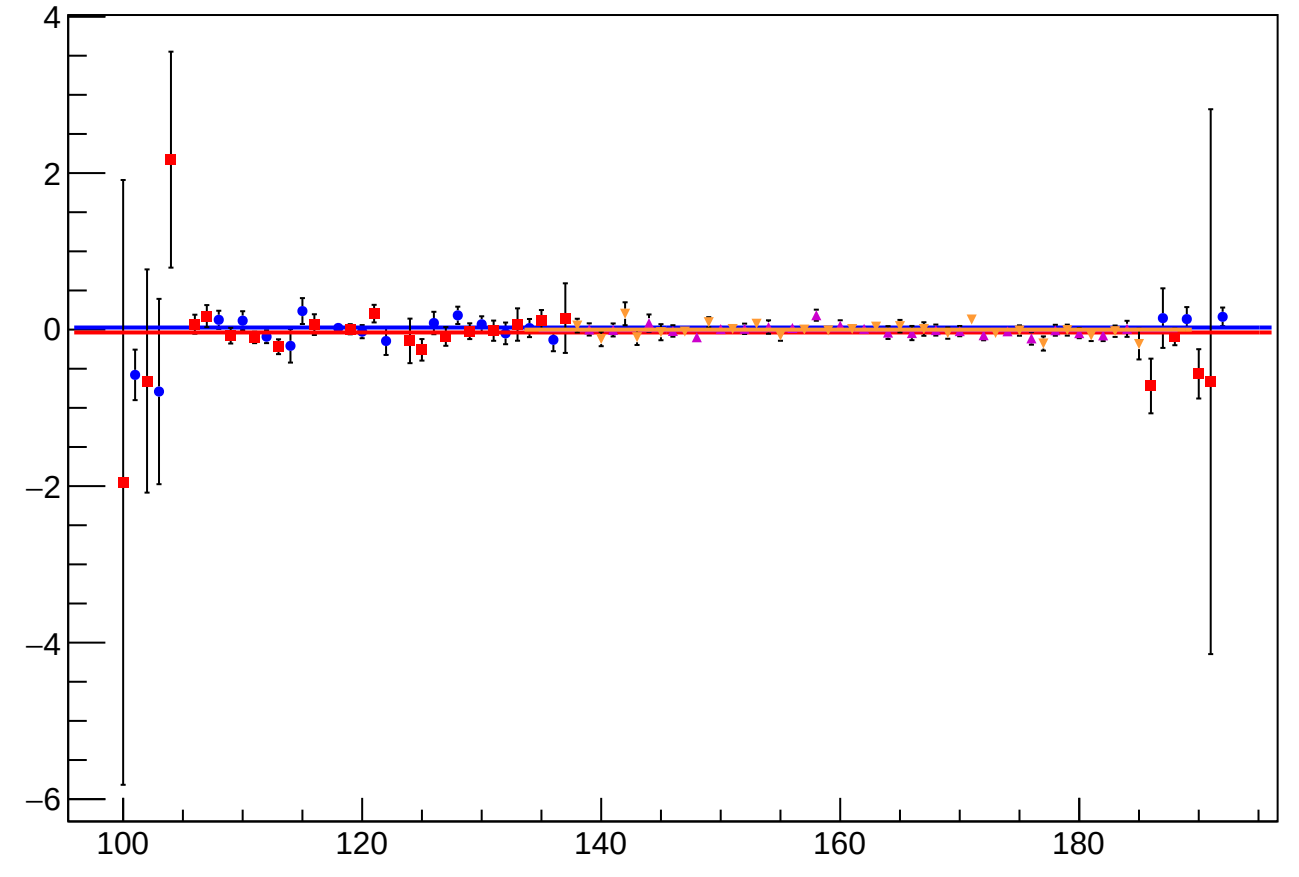
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

Right: 0.001+/-0.000 χ^2/NDF: 10054264.7/41

In: 0.001+/-0.000 χ^2/NDF:12464808.0/41

Out: 0.001+/-0.000 χ^2/NDF:13361300.3/47

All: 0.001+/-0.000 χ^2/NDF: 25827064.9/89



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: -0.037+/-0.027 χ^2/NDF: 27.9/22

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

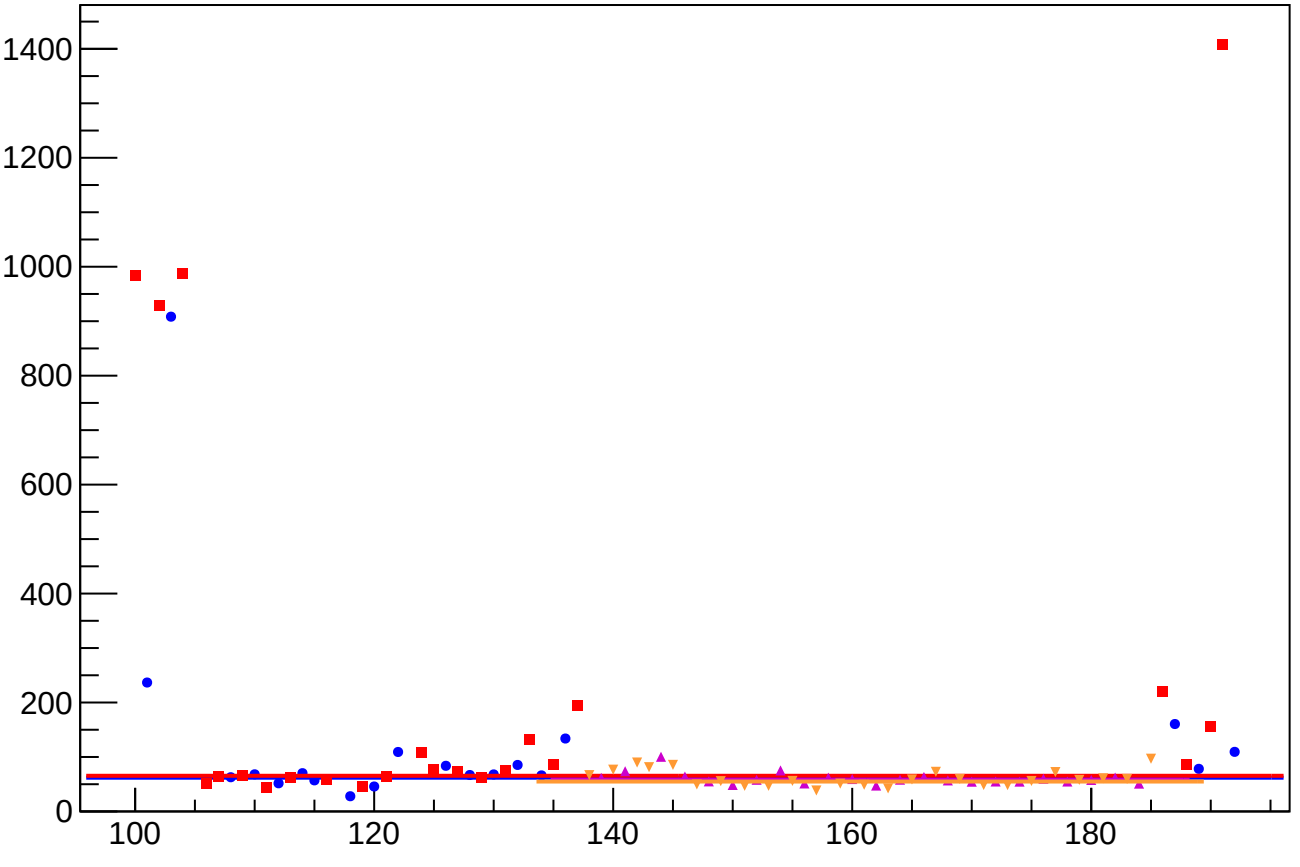
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.005+/-0.019 χ^2/NDF: 47.9/41

In: 0.000+/-0.013 χ^2/NDF:34.0/41

Out: -0.008+/-0.012 χ^2/NDF:51.9/47

All: -0.004+/-0.009 χ^2/NDF: 86.1/89



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: 65.489+/-0.019 χ^2/NDF: 3592509.4/22

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

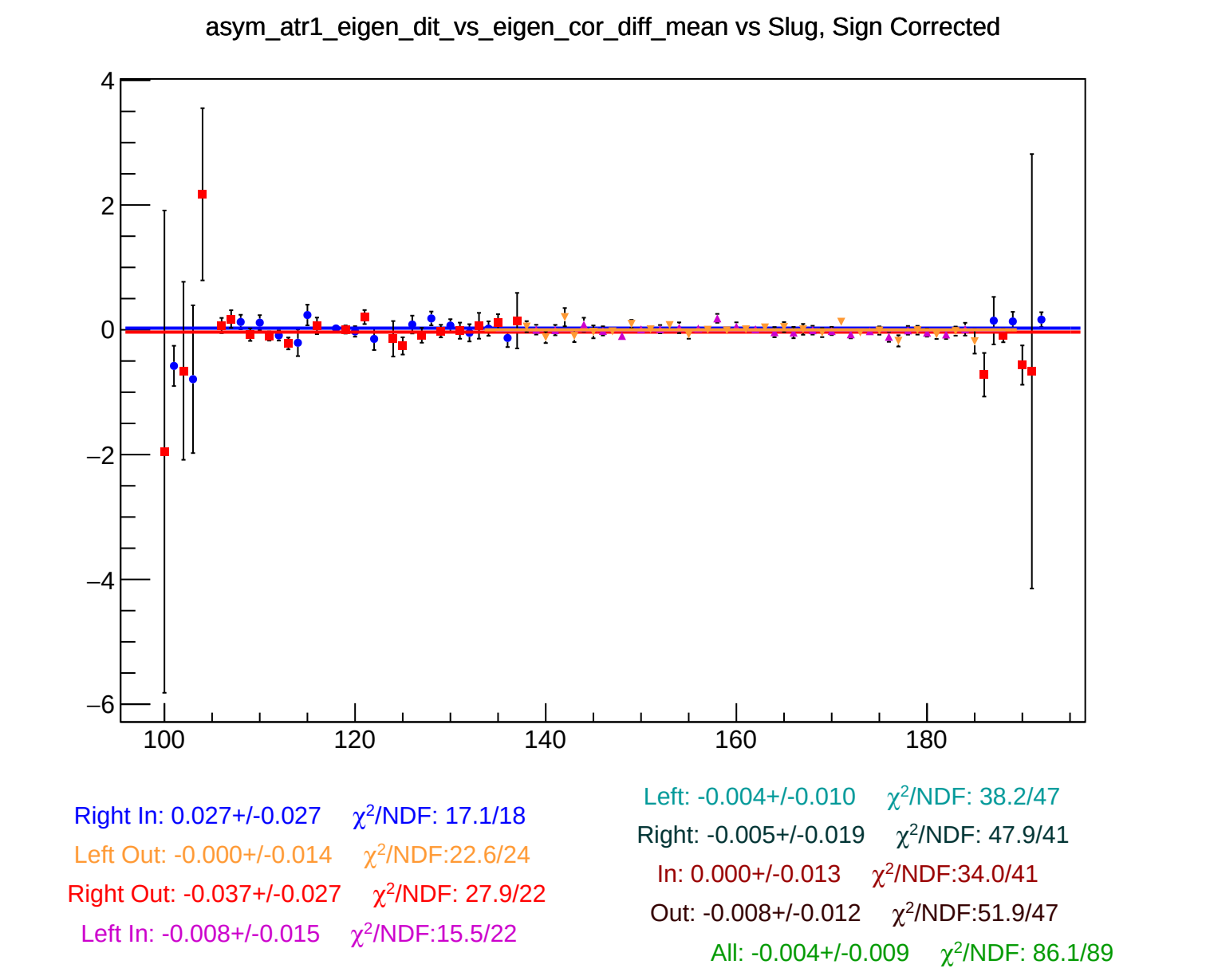
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

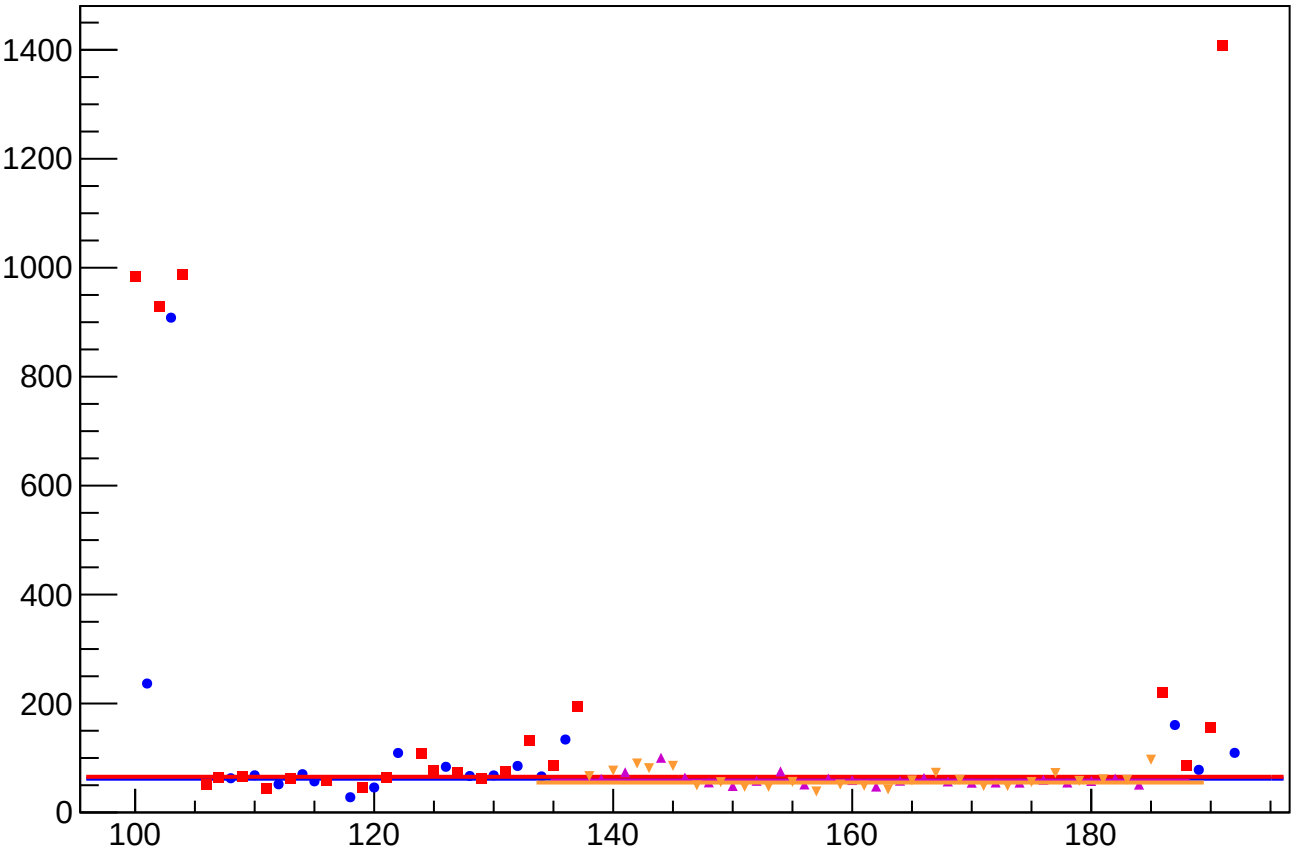
Right: 63.713+/-0.013 χ^2/NDF: 7380018.2/41

In: 59.048+/-0.009 χ^2/NDF:4459473.4/41

Out: 57.201+/-0.009 χ^2/NDF:5131640.3/47

All: 58.090+/-0.006 χ^2/NDF: 9612169.9/89


asym_atr1_eigen_dit_vs_eigen_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: -0.037+/-0.027 χ²/NDF: 27.9/22
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: -0.005+/-0.019 χ²/NDF: 47.9/41
In: 0.000+/-0.013 χ²/NDF:34.0/41
Out: -0.008+/-0.012 χ²/NDF:51.9/47
All: -0.004+/-0.009 χ²/NDF: 86.1/89



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: 65.489+/-0.019 χ^2/NDF: 3592509.4/22

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

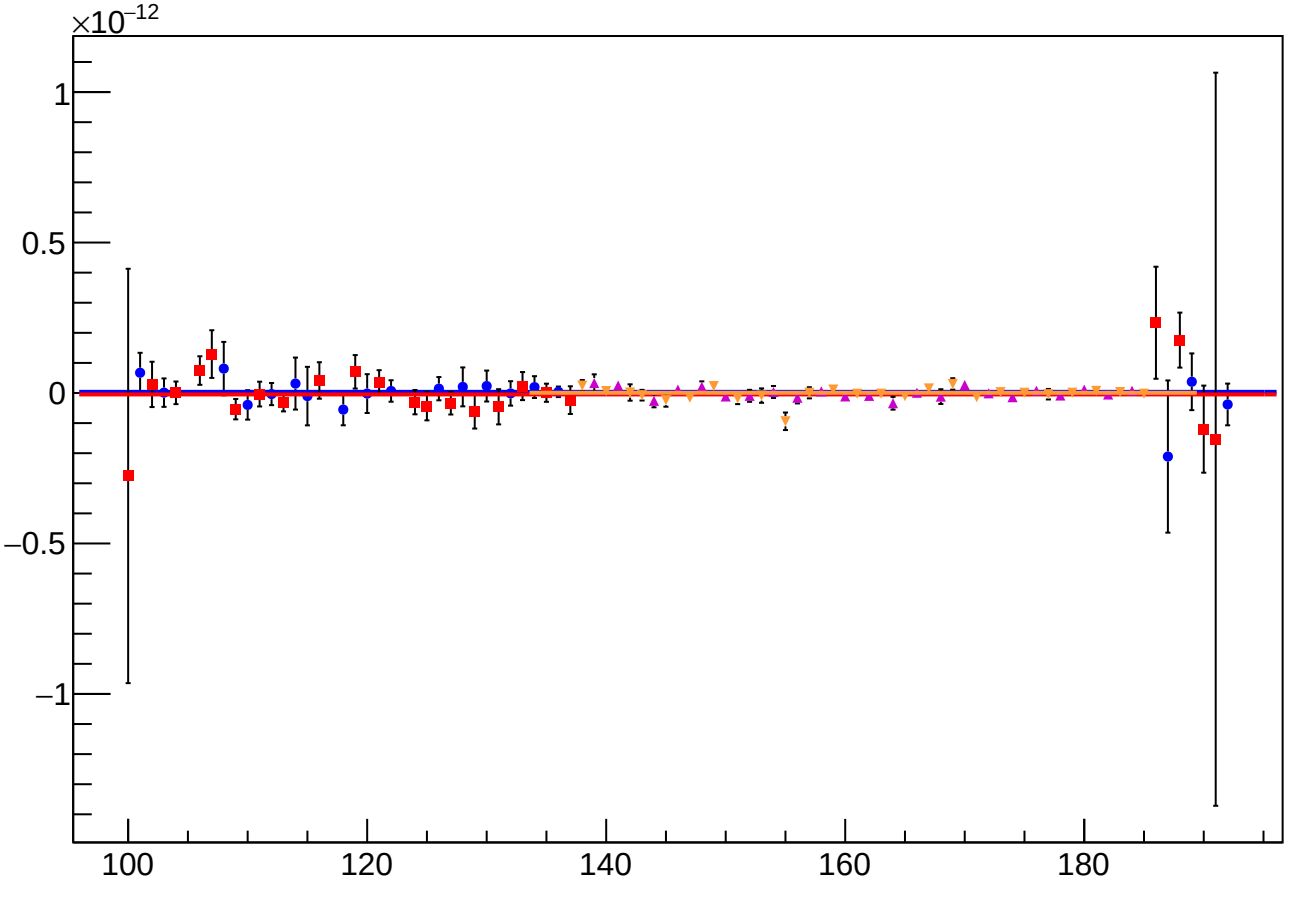
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 63.713+/-0.013 χ^2/NDF: 7380018.2/41

In: 59.048+/-0.009 χ^2/NDF:4459473.4/41

Out: 57.201+/-0.009 χ^2/NDF:5131640.3/47

All: 58.090+/-0.006 χ^2/NDF: 9612169.9/89



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: 22.4/22

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

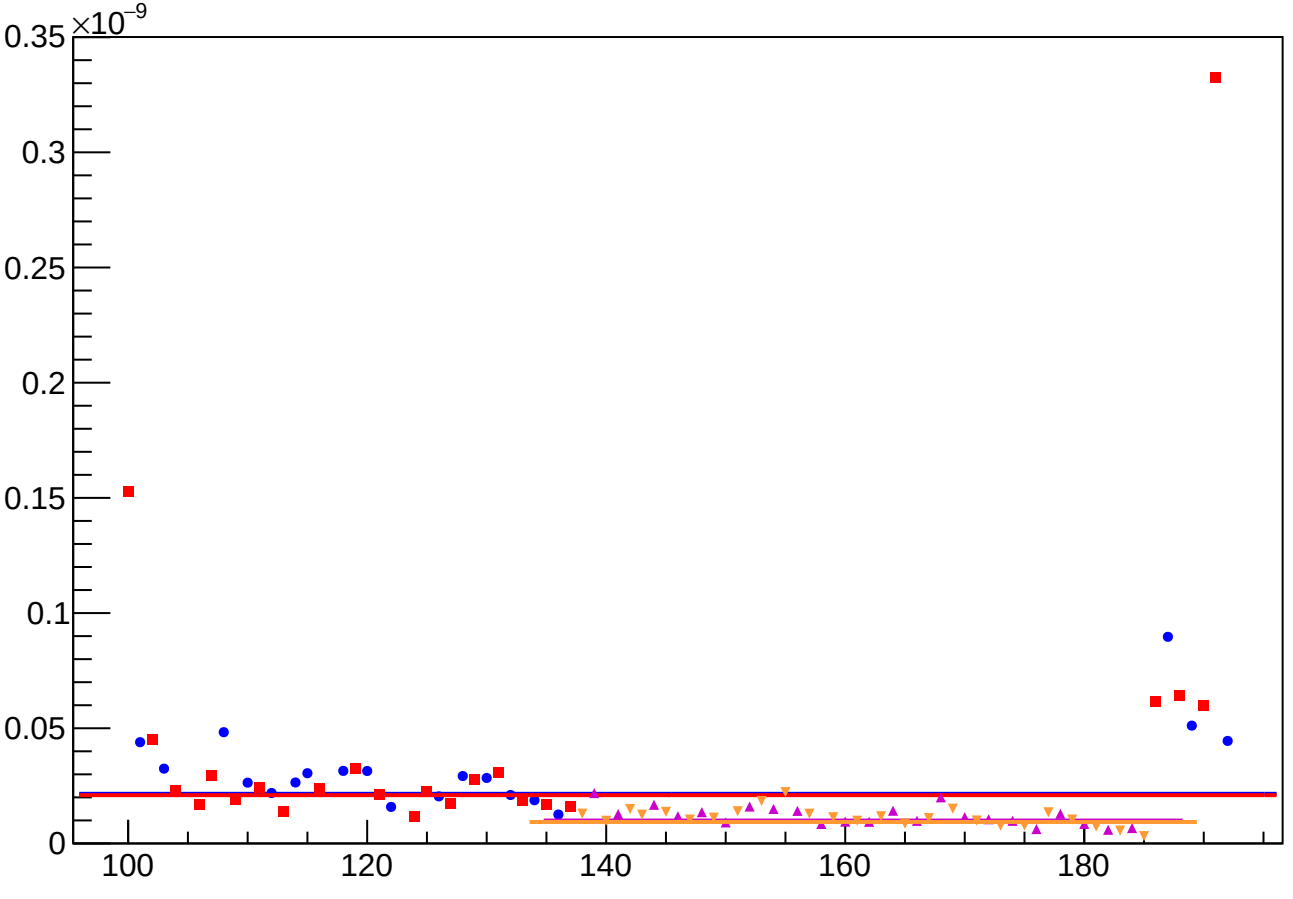
Right: -0.000+/-0.000 χ^2/NDF: 28.4/41

In: 0.000+/-0.000 χ^2/NDF:26.0/41

Out: 0.000+/-0.000 χ^2/NDF:48.0/47

All: 0.000+/-0.000 χ^2/NDF: 74.0/89

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 1649151.9/22

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

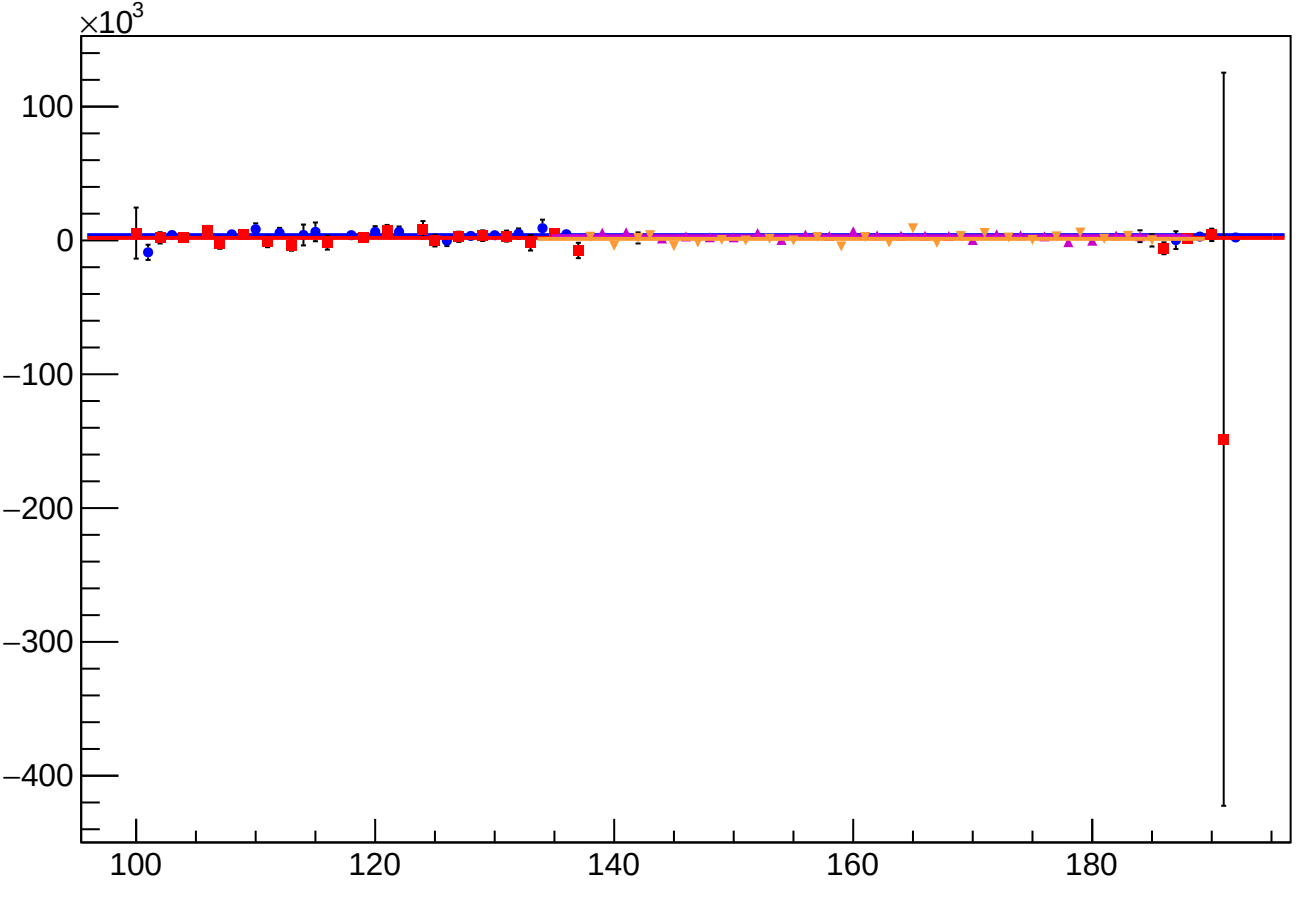
Right: 0.000+/-0.000 χ^2/NDF: 3551764.9/41

In: 0.000+/-0.000 χ^2/NDF:6916910.7/41

Out: 0.000+/-0.000 χ^2/NDF:7229235.5/47

All: 0.000+/-0.000 χ^2/NDF: 14213019.5/89

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: 1901.313+/-849.153 χ^2/NDF: 18.5/22

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

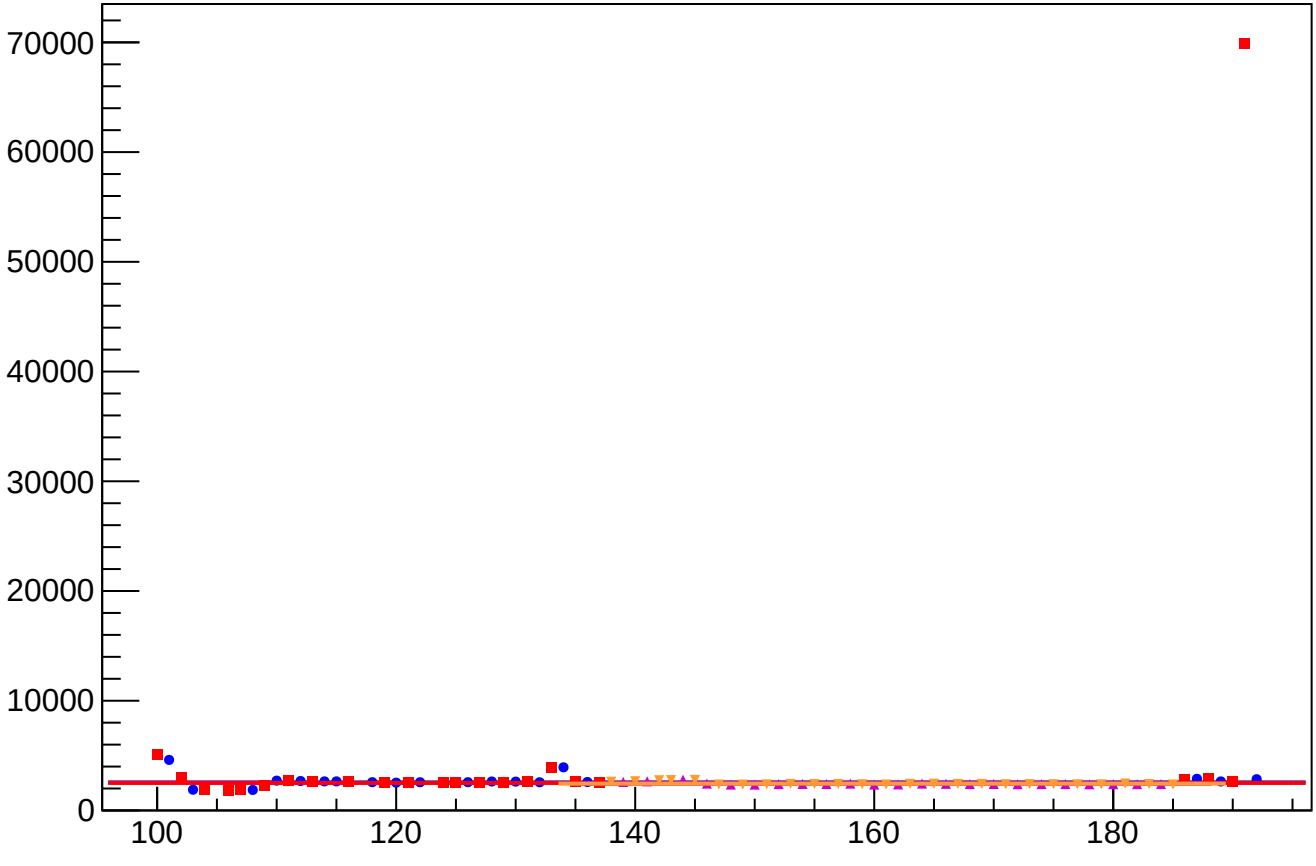
Right: 2895.944+/-607.590 χ^2/NDF: 31.1/41

In: 3384.918+/-476.284 χ^2/NDF:23.0/41

Out: 1402.762+/-465.300 χ^2/NDF:50.2/47

All: 2370.719+/-332.832 χ^2/NDF: 82.0/89

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: 2509.300+/-0.600 χ^2/NDF: 639659.0/22

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

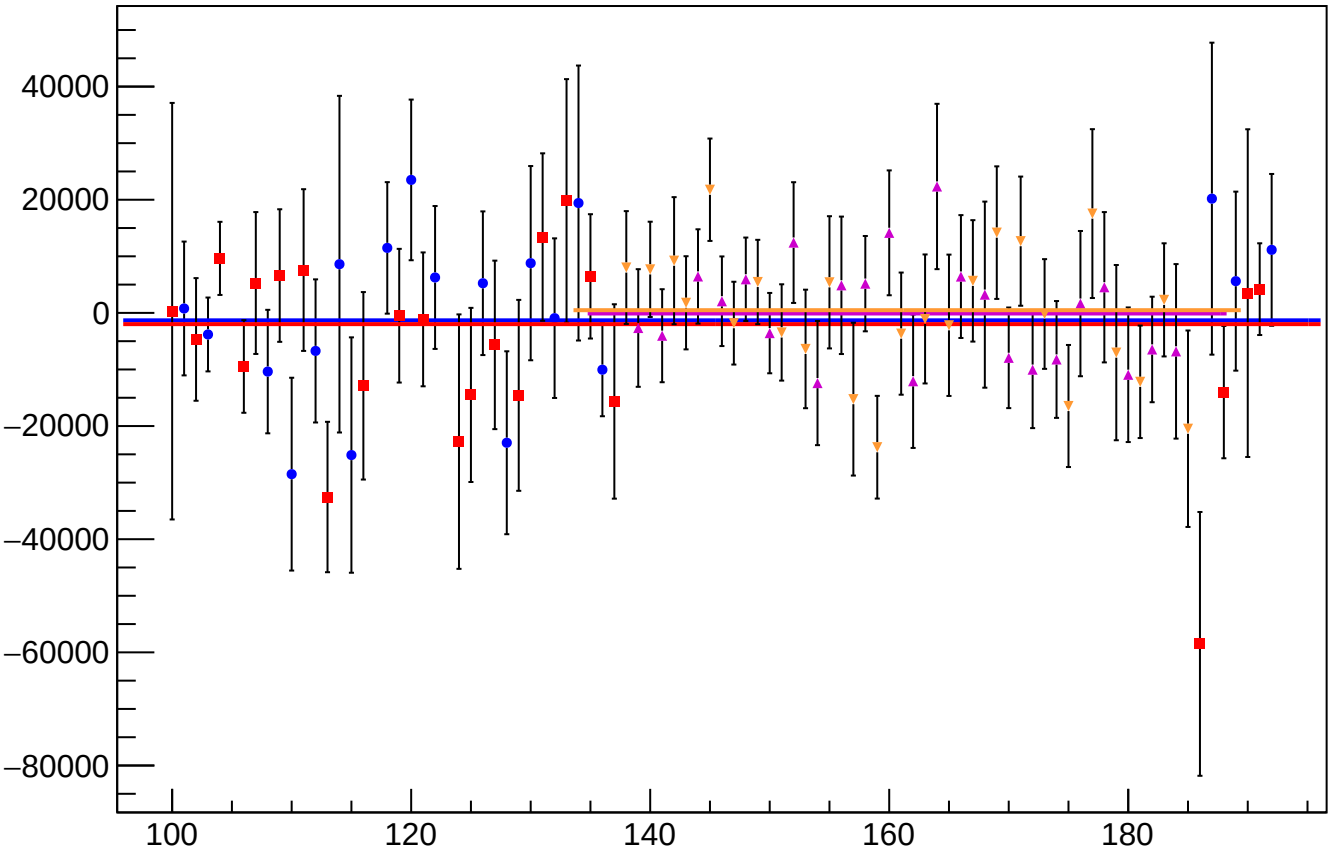
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2530.767+/-0.430 χ^2/NDF: 1285057.1/41

In: 2471.138+/-0.337 χ^2/NDF:727454.8/41

Out: 2464.884+/-0.329 χ^2/NDF:737493.6/47

All: 2467.938+/-0.235 χ^2/NDF: 1465124.7/89



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: -1987.236+/-2595.493 χ^2/NDF: 24.2/22

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

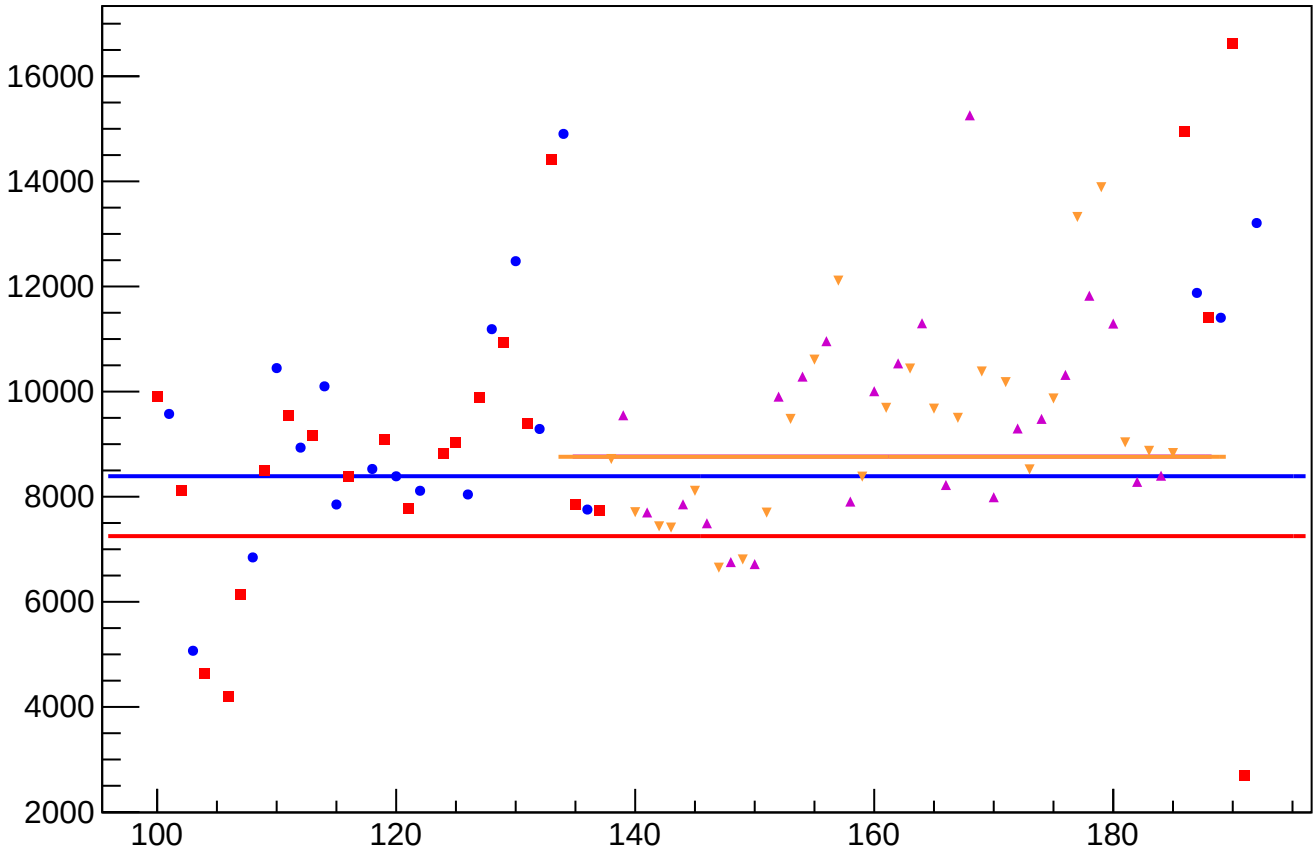
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -1692.105+/-1942.469 χ^2/NDF: 39.8/41

In: -513.928+/-1701.723 χ^2/NDF:30.2/41

Out: -461.582+/-1601.923 χ^2/NDF:52.2/47

All: -486.175+/-1166.417 χ^2/NDF: 82.3/89



Right In: 8390.033+/-2.071 χ^2/NDF: 1321261.0/18

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 7250.098+/-1.835 χ^2/NDF: 2599707.4/22

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

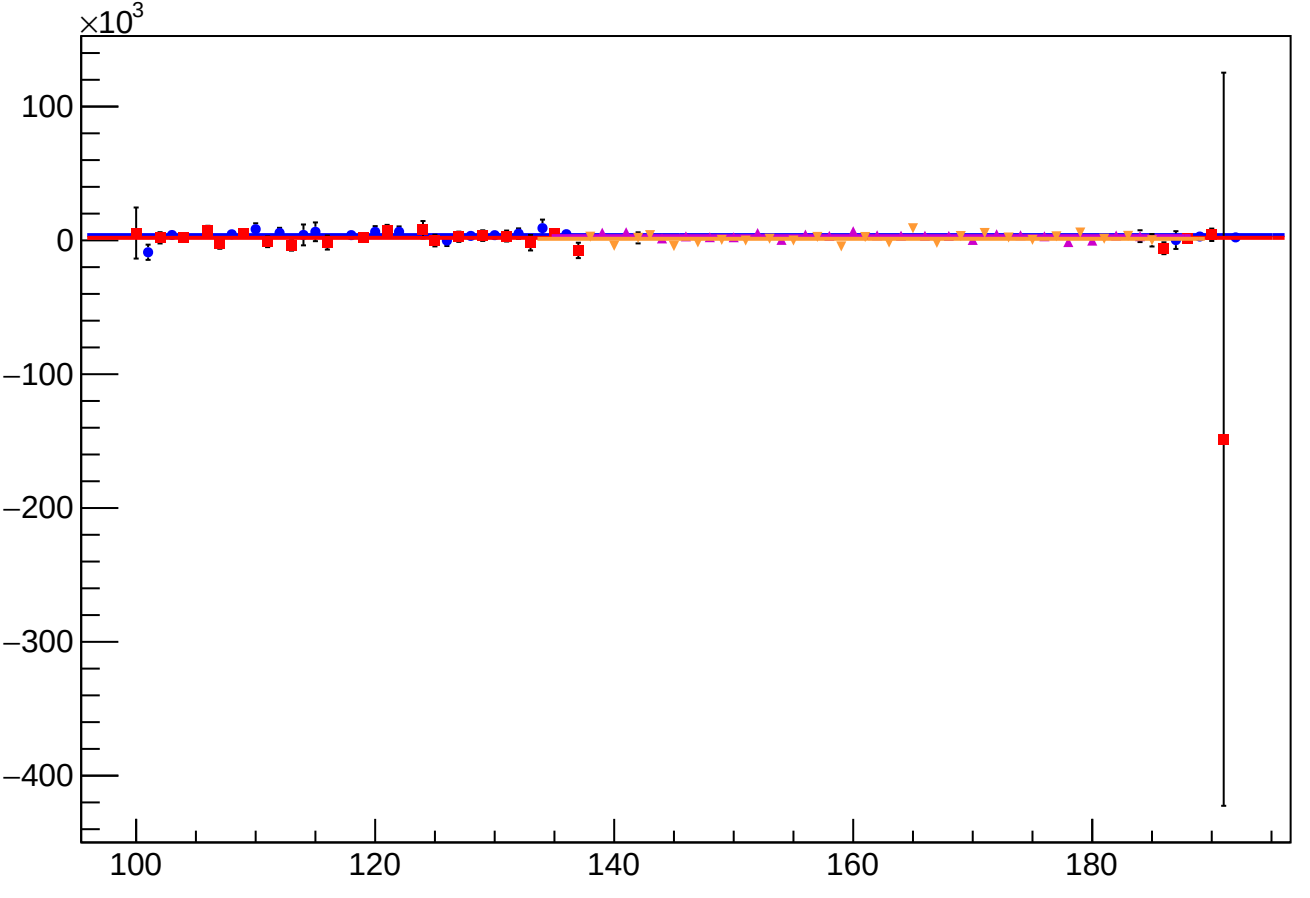
Right: 7751.549+/-1.374 χ^2/NDF: 4090676.0/41

In: 8637.835+/-1.203 χ^2/NDF:2634575.6/41

Out: 8184.608+/-1.133 χ^2/NDF:4240758.2/47

All: 8397.542+/-0.825 χ^2/NDF: 6950549.8/89

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: 1901.828+/-849.159 χ^2/NDF: 18.6/22

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

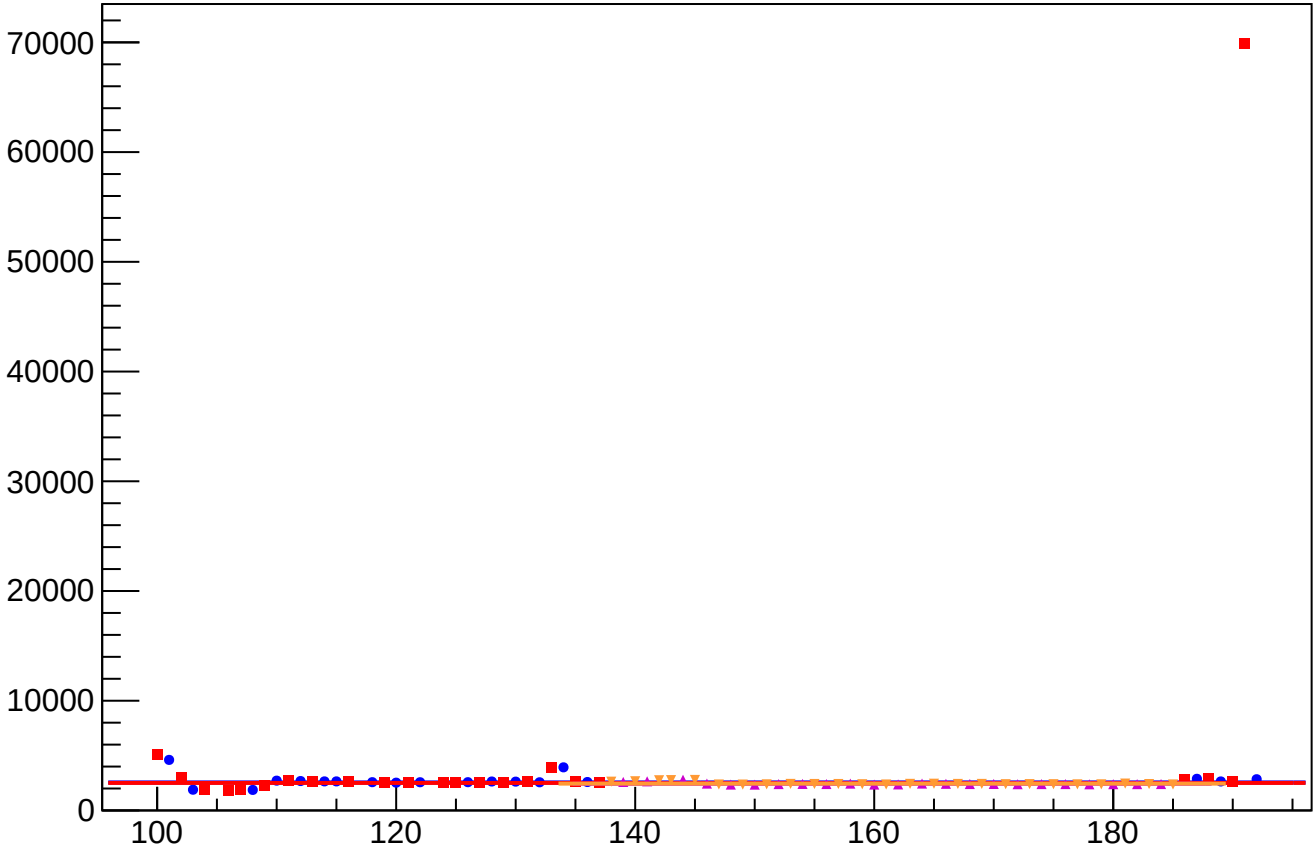
Right: 2896.035+/-607.592 χ^2/NDF: 31.1/41

In: 3384.670+/-476.284 χ^2/NDF:23.0/41

Out: 1402.796+/-465.301 χ^2/NDF:50.2/47

All: 2370.617+/-332.833 χ^2/NDF: 82.1/89

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: 2509.321+/-0.600 χ^2/NDF: 639597.6/22

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

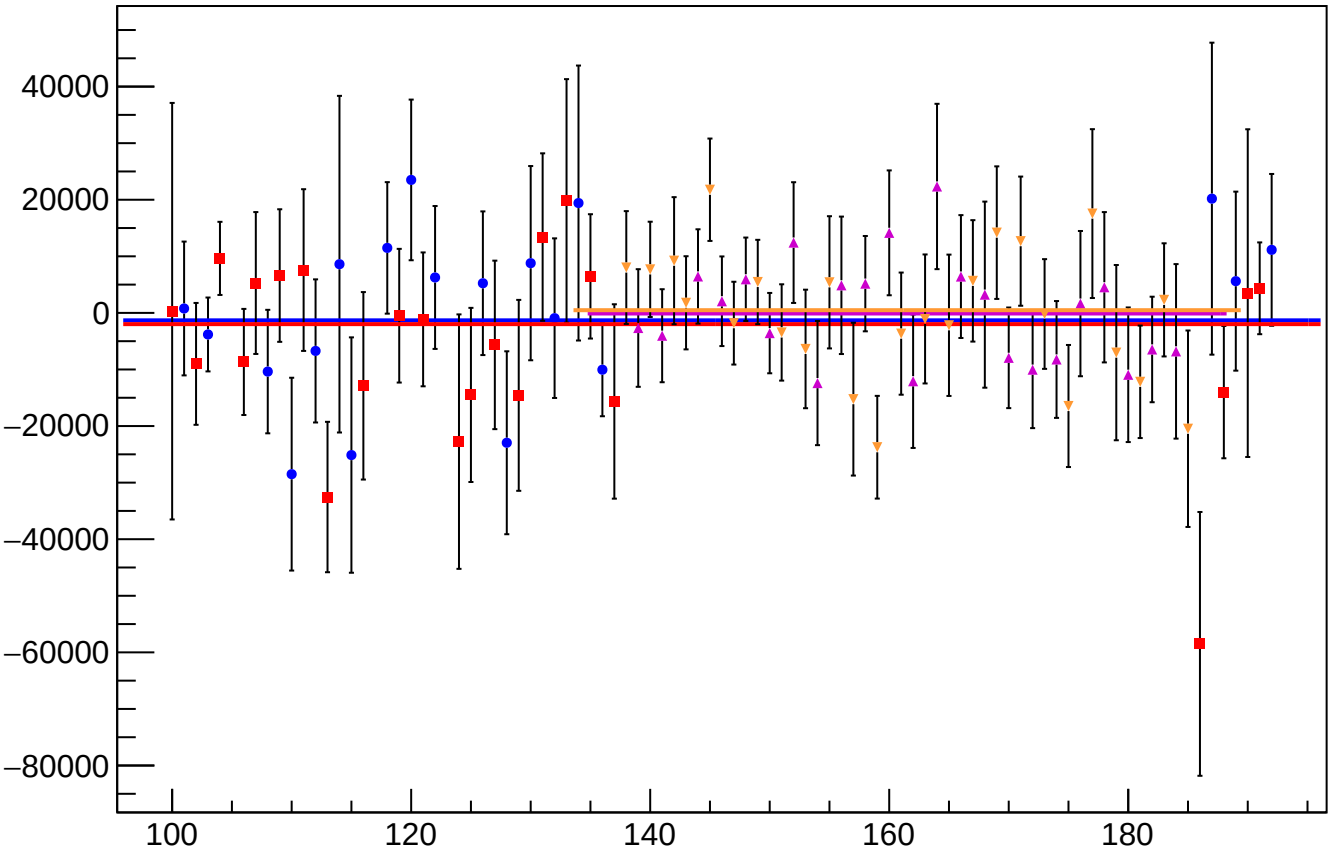
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2530.779+/-0.430 χ^2/NDF: 1284990.9/41

In: 2471.138+/-0.337 χ^2/NDF:727452.7/41

Out: 2464.891+/-0.329 χ^2/NDF:737437.4/47

All: 2467.942+/-0.235 χ^2/NDF: 1465066.2/89



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: -1986.125+/-2626.225 χ^2/NDF: 24.3/22

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

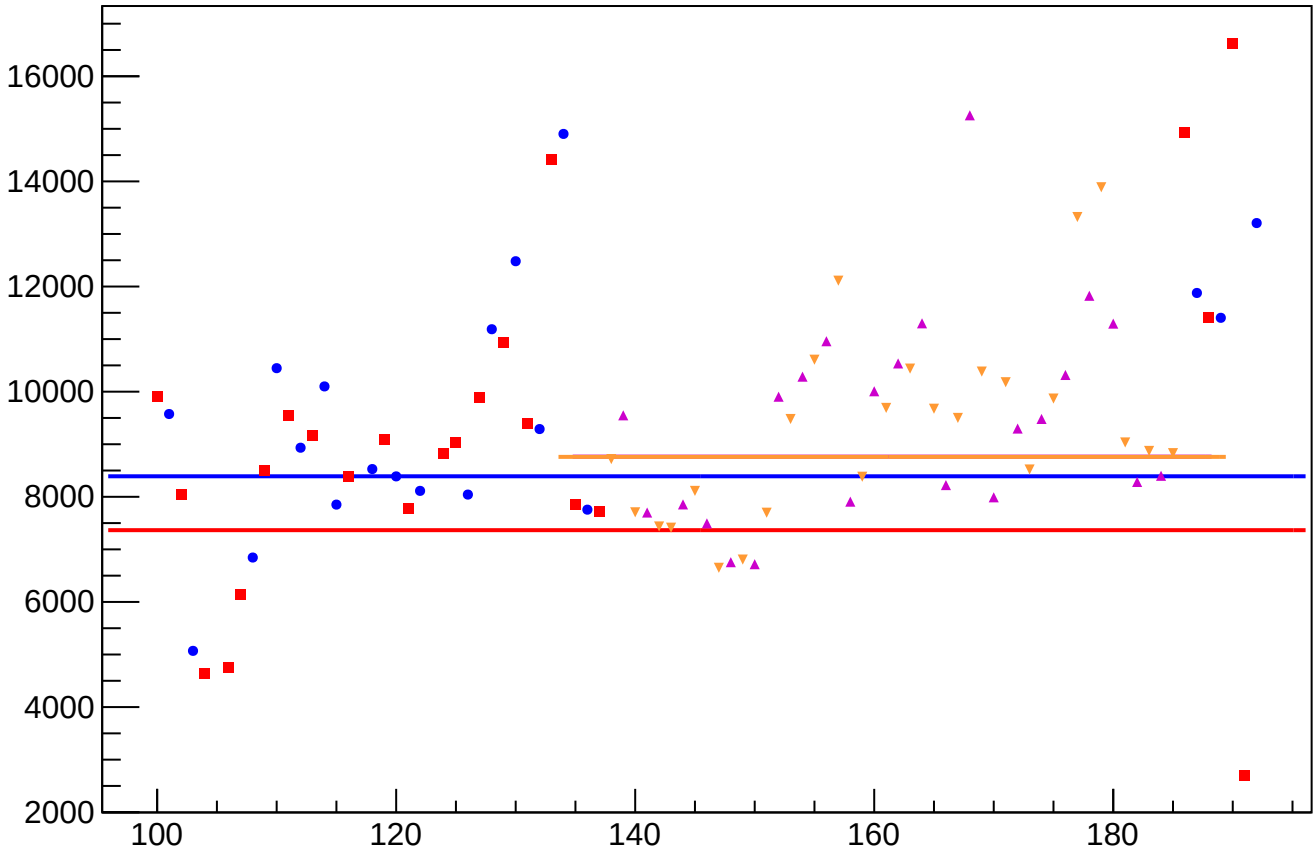
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -1687.476+/-1955.274 χ^2/NDF: 39.9/41

In: -513.867+/-1701.737 χ^2/NDF:30.2/41

Out: -447.514+/-1609.068 χ^2/NDF:52.2/47

All: -478.834+/-1169.172 χ^2/NDF: 82.4/89



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: 7365.325+/-1.857 χ^2/NDF: 2455987.7/22

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

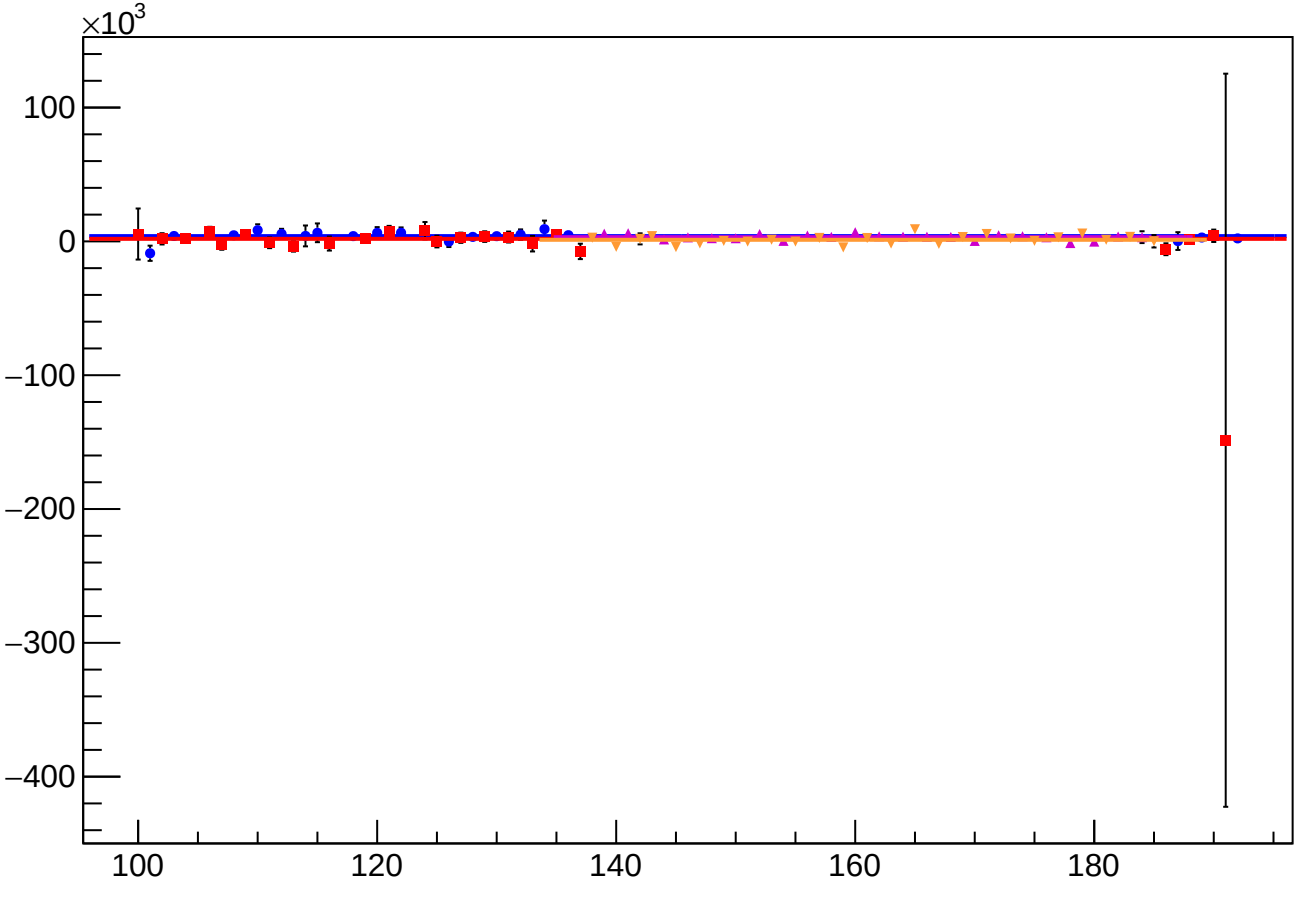
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 7822.168+/-1.383 χ^2/NDF: 3912682.5/41

In: 8637.943+/-1.203 χ^2/NDF:2634182.5/41

Out: 8236.214+/-1.138 χ^2/NDF:4030354.3/47

All: 8425.843+/-0.827 χ^2/NDF: 6723383.0/89



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: 1901.828+/-849.159 χ^2/NDF: 18.6/22

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

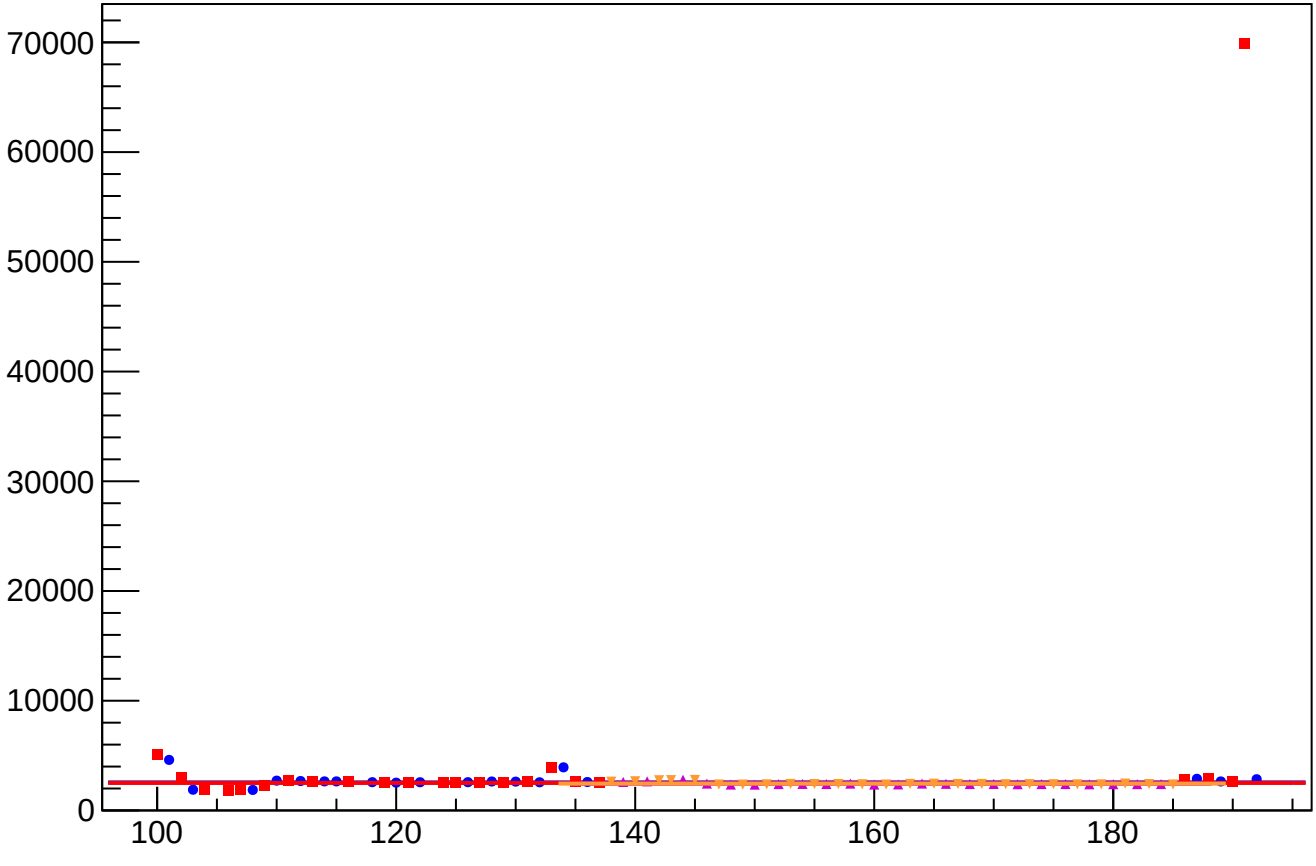
Right: 2896.035+/-607.592 χ^2/NDF: 31.1/41

In: 3384.670+/-476.284 χ^2/NDF:23.0/41

Out: 1402.796+/-465.301 χ^2/NDF:50.2/47

All: 2370.617+/-332.833 χ^2/NDF: 82.1/89

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: 2509.321+/-0.600 χ^2/NDF: 639597.6/22

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

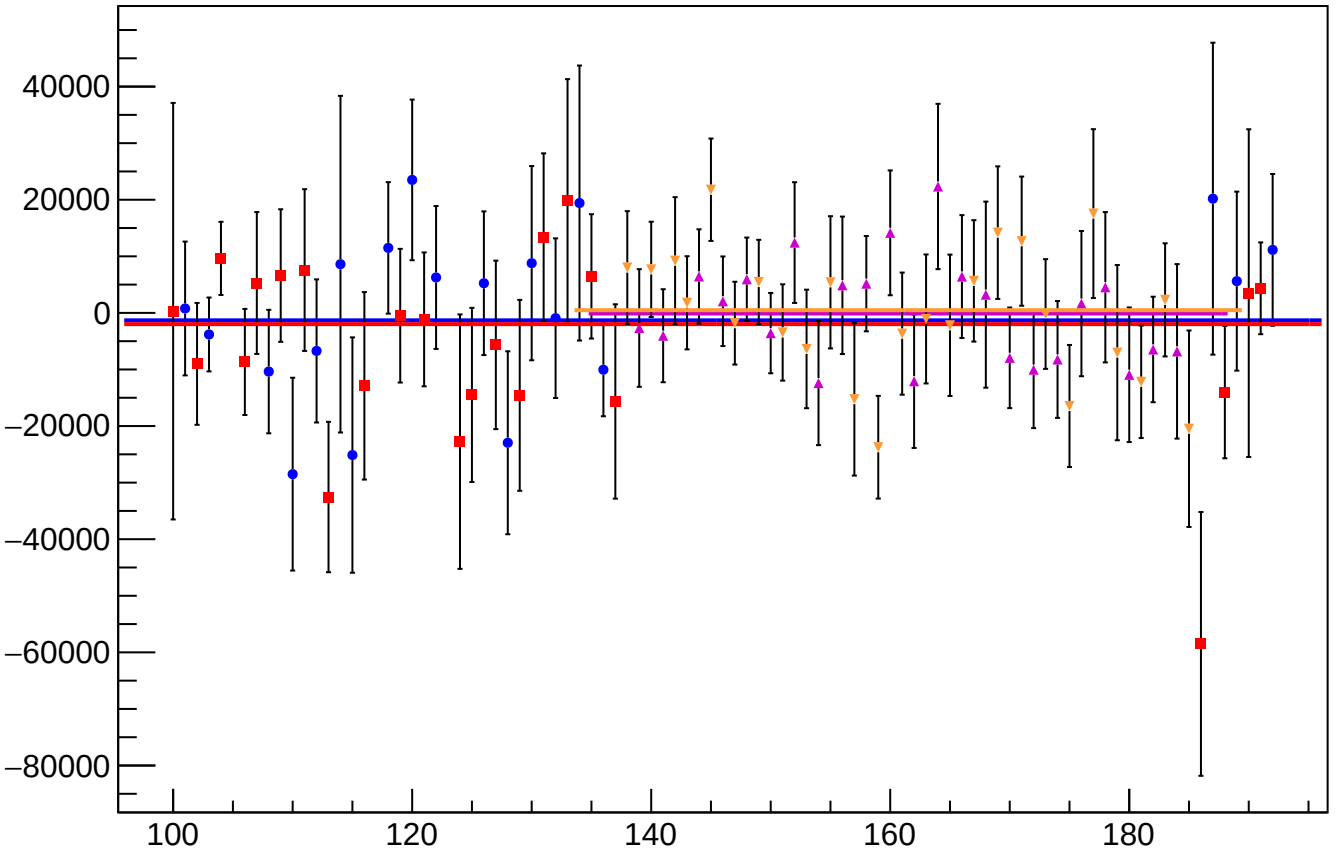
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2530.779+/-0.430 χ^2/NDF: 1284990.9/41

In: 2471.138+/-0.337 χ^2/NDF:727452.7/41

Out: 2464.891+/-0.329 χ^2/NDF:737437.4/47

All: 2467.942+/-0.235 χ^2/NDF: 1465066.2/89



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: -1986.125+/-2626.225 χ^2/NDF: 24.3/22

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

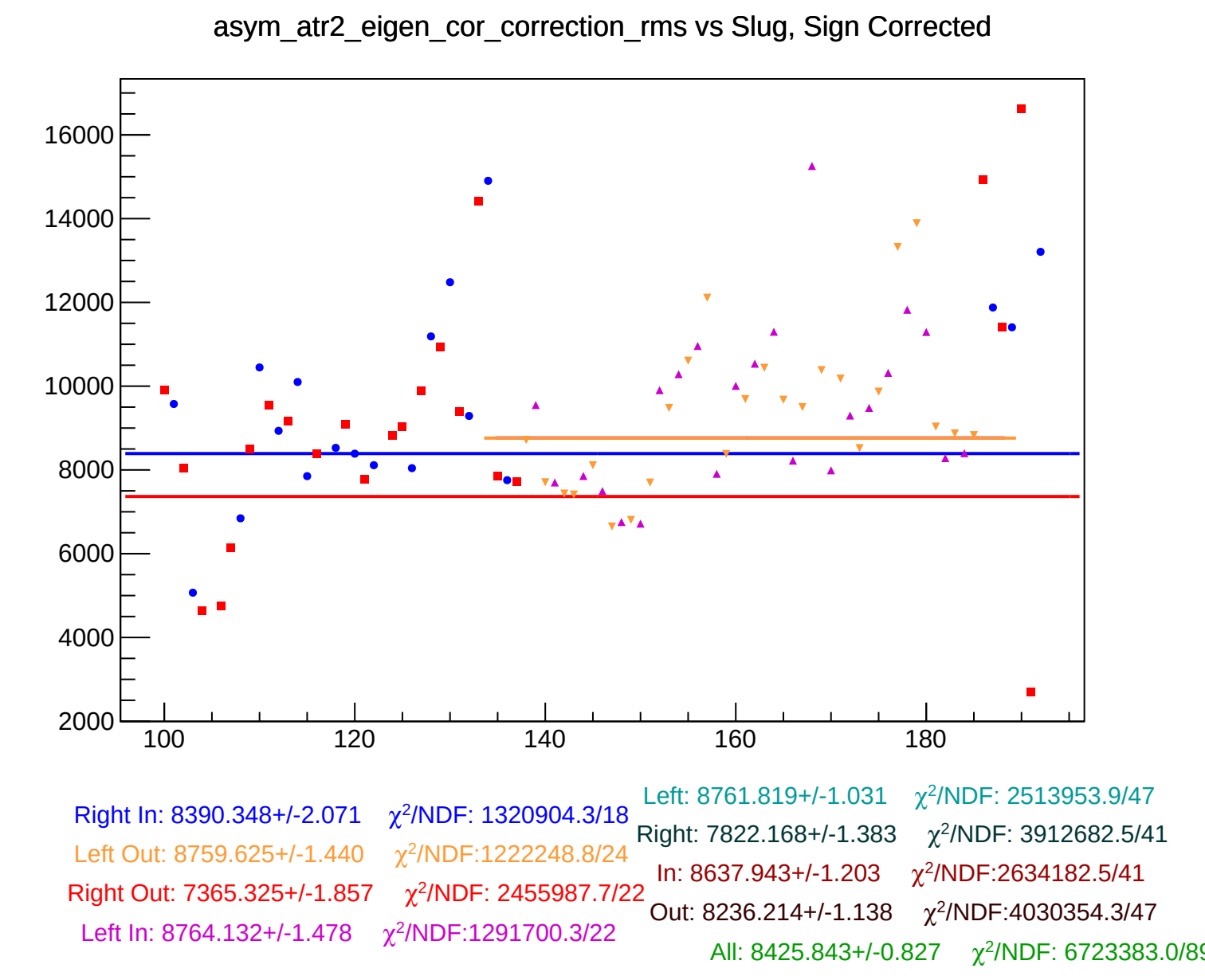
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

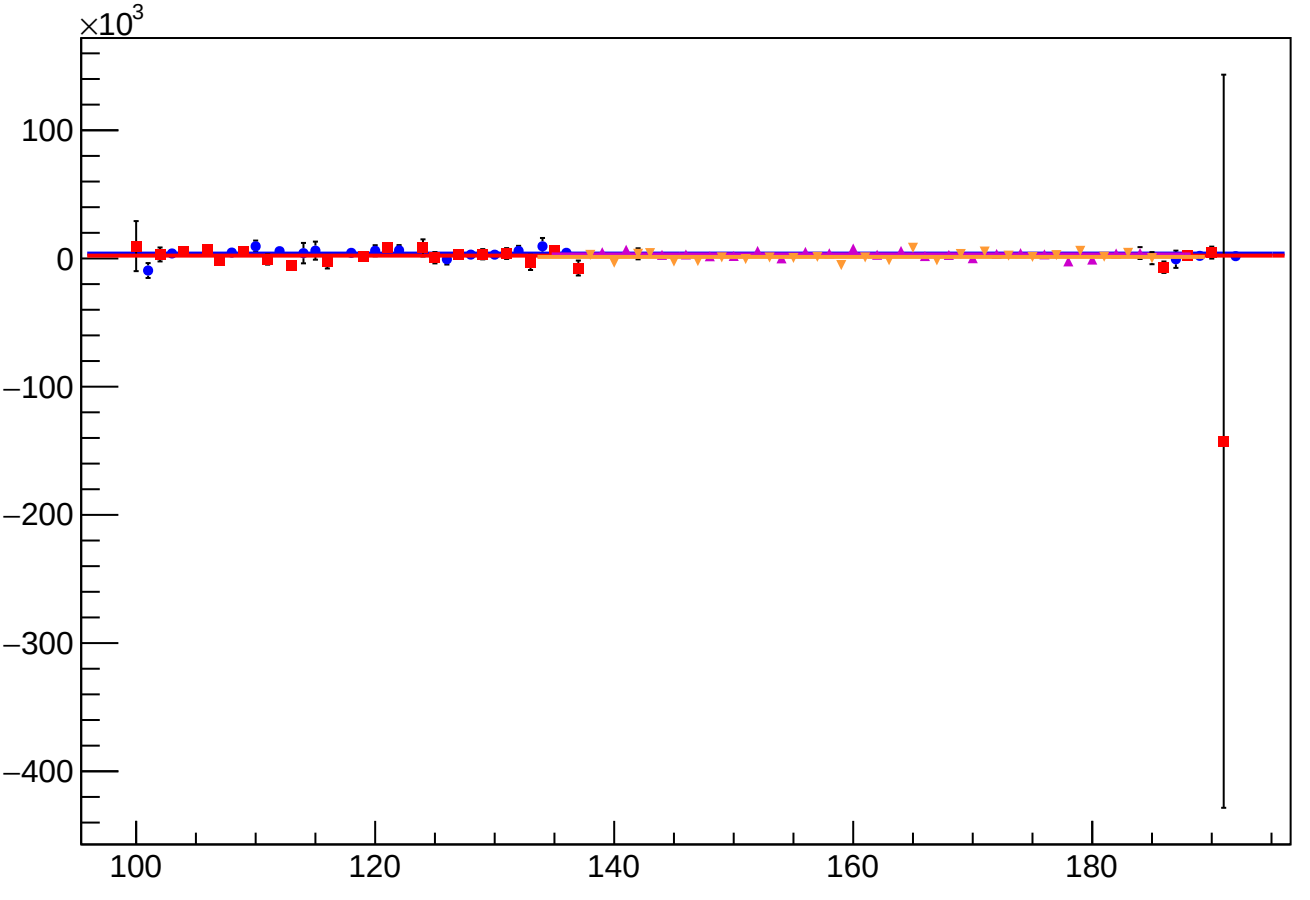
Right: -1687.476+/-1955.274 χ^2/NDF: 39.9/41

In: -513.867+/-1701.737 χ^2/NDF:30.2/41

Out: -447.514+/-1609.068 χ^2/NDF:52.2/47

All: -478.834+/-1169.172 χ^2/NDF: 82.4/89


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 8390.348+/-2.071 χ²/NDF: 1320904.3/18
Left Out: 8759.625+/-1.440 χ²/NDF:1222248.8/24
Right Out: 7365.325+/-1.857 χ²/NDF: 2455987.7/22
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.819+/-1.031 χ²/NDF: 2513953.9/47
Right: 7822.168+/-1.383 χ²/NDF: 3912682.5/41
In: 8637.943+/-1.203 χ²/NDF:2634182.5/41
Out: 8236.214+/-1.138 χ²/NDF:4030354.3/47
All: 8425.843+/-0.827 χ²/NDF: 6723383.0/89



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: 2230.849+/-884.058 χ^2/NDF: 22.4/22

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

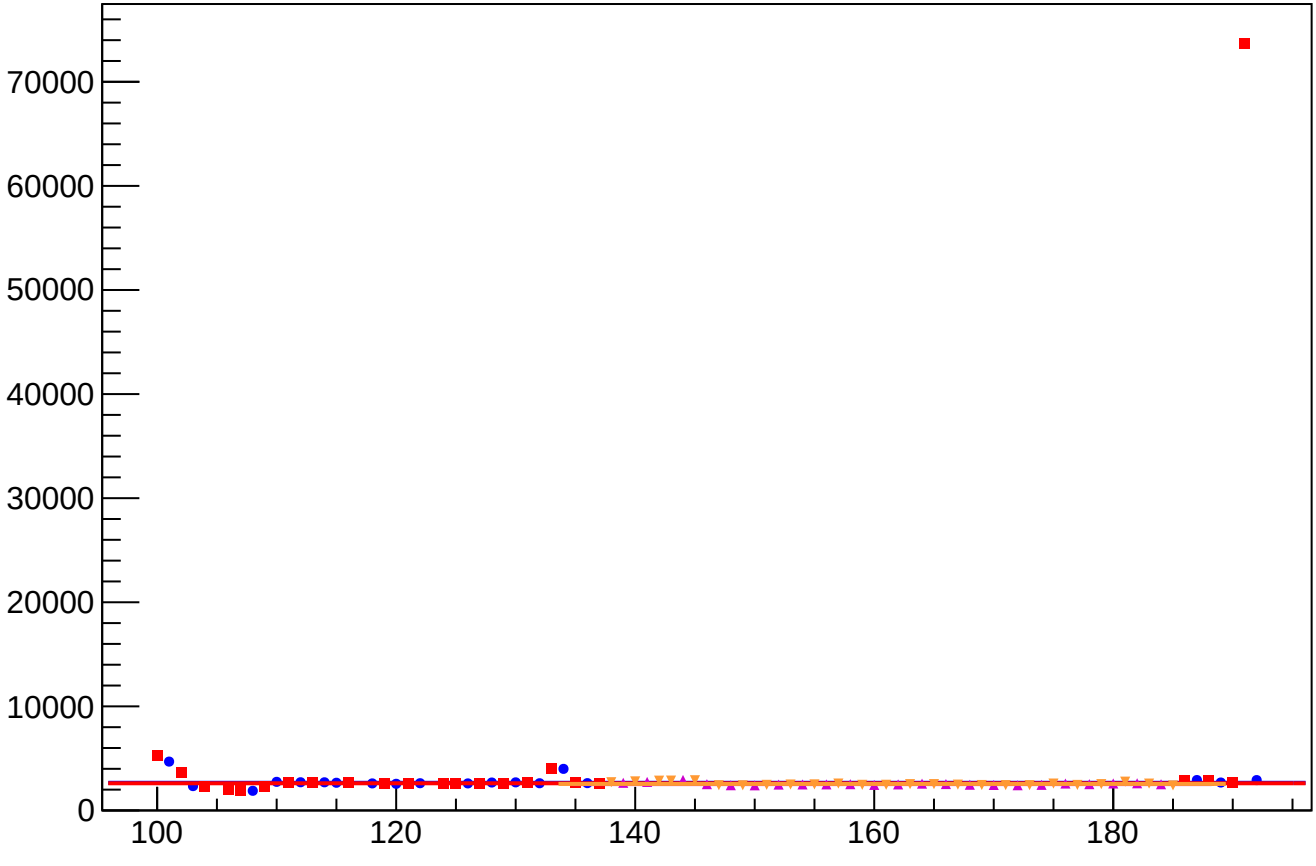
Right: 3003.333+/-631.378 χ^2/NDF: 35.4/41

In: 3348.194+/-494.996 χ^2/NDF:28.2/41

Out: 1519.662+/-484.769 χ^2/NDF:50.2/47

All: 2414.844+/-346.343 χ^2/NDF: 85.3/89

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: 2610.433+/-0.625 χ^2/NDF: 562491.1/22

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

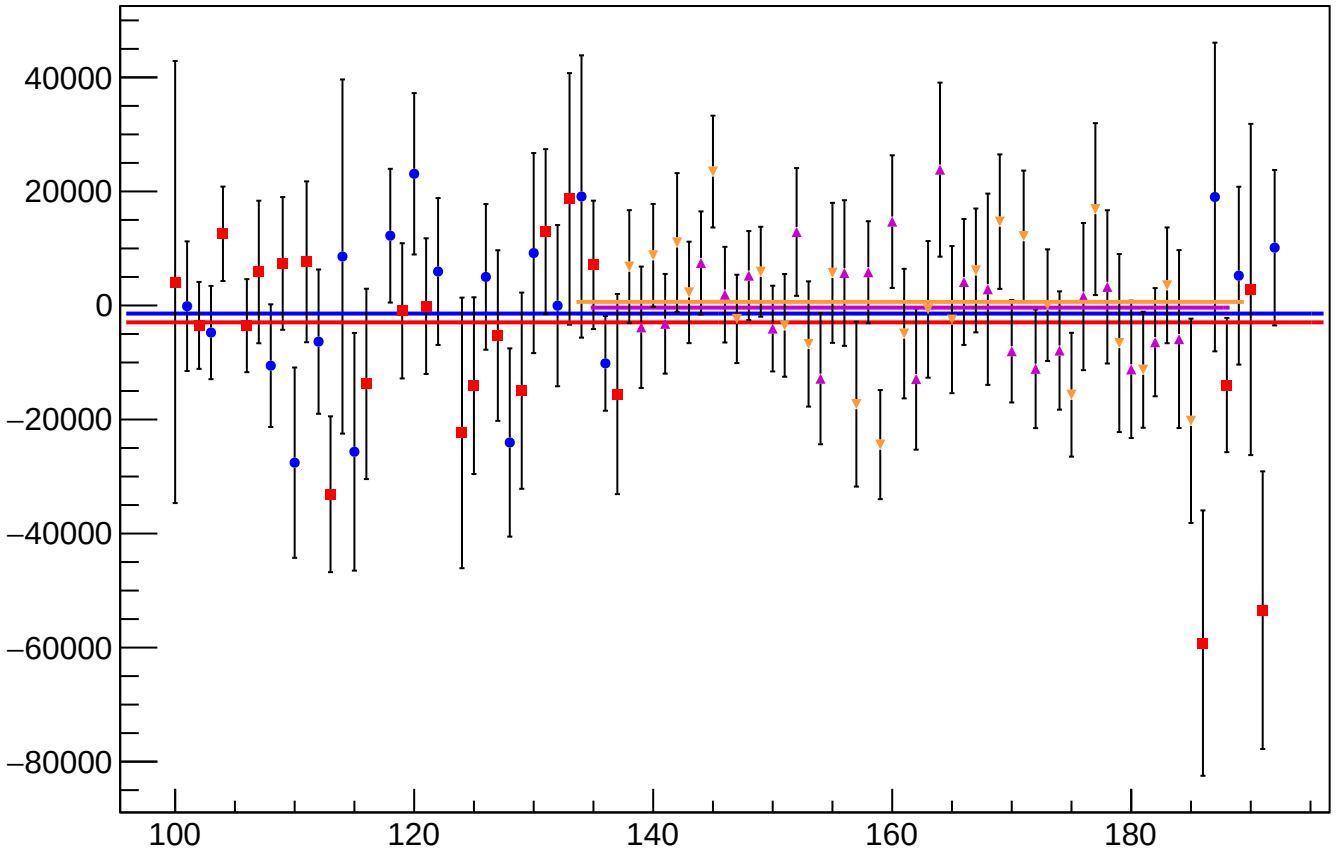
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2633.526+/-0.446 χ^2/NDF: 1072446.5/41

In: 2570.360+/-0.350 χ^2/NDF:602370.6/41

Out: 2566.194+/-0.343 χ^2/NDF:686960.2/47

All: 2568.233+/-0.245 χ^2/NDF: 1289403.0/89



Right In: -1420.585+/-3045.488 χ^2/NDF: 15.4/18

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: -2960.956+/-2741.143 χ^2/NDF: 27.0/22

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

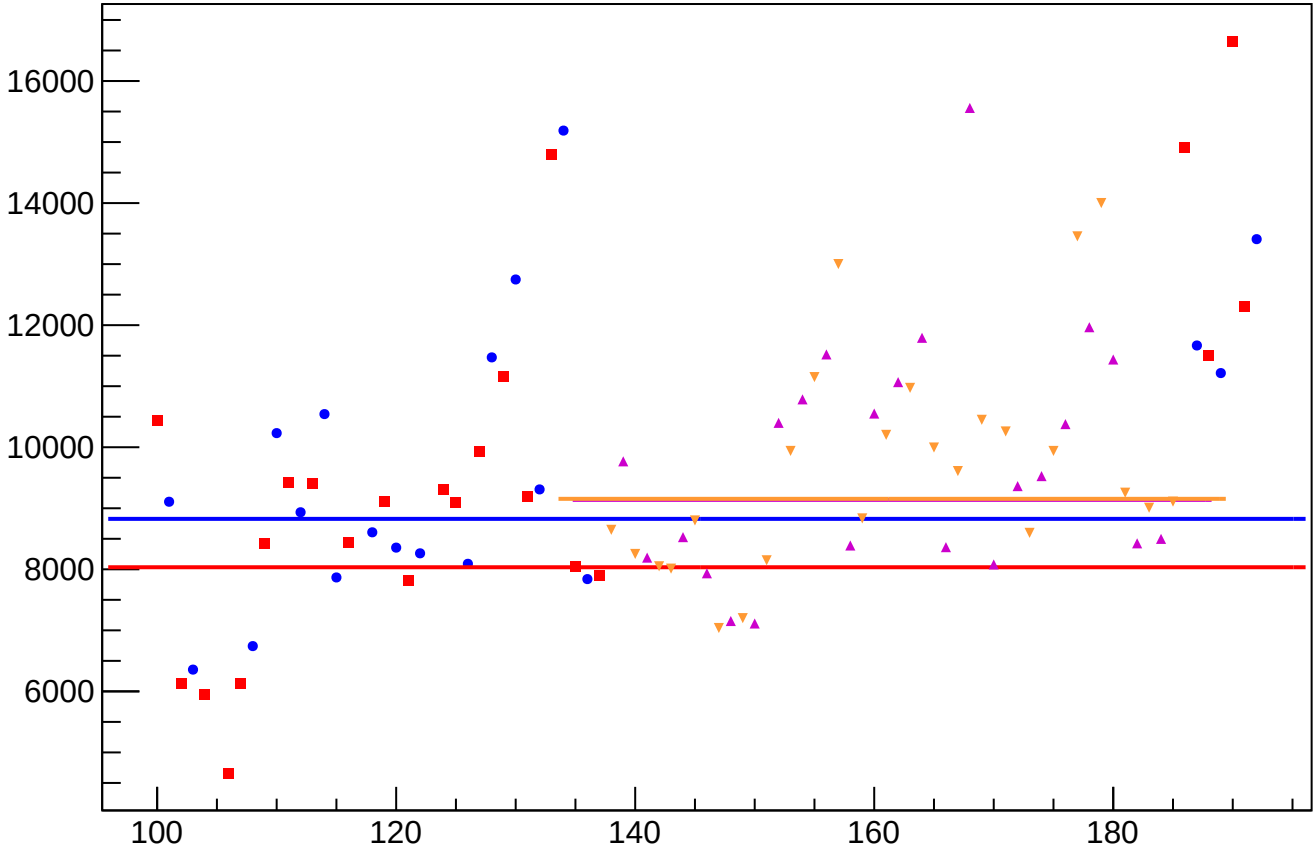
Right: -2271.562+/-2037.408 χ^2/NDF: 42.6/41

In: -730.387+/-1770.692 χ^2/NDF:29.7/41

Out: -715.616+/-1678.512 χ^2/NDF:54.7/47

All: -722.607+/-1218.172 χ^2/NDF: 84.5/89

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: 8033.795+/-1.938 χ^2/NDF: 1608989.0/22

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

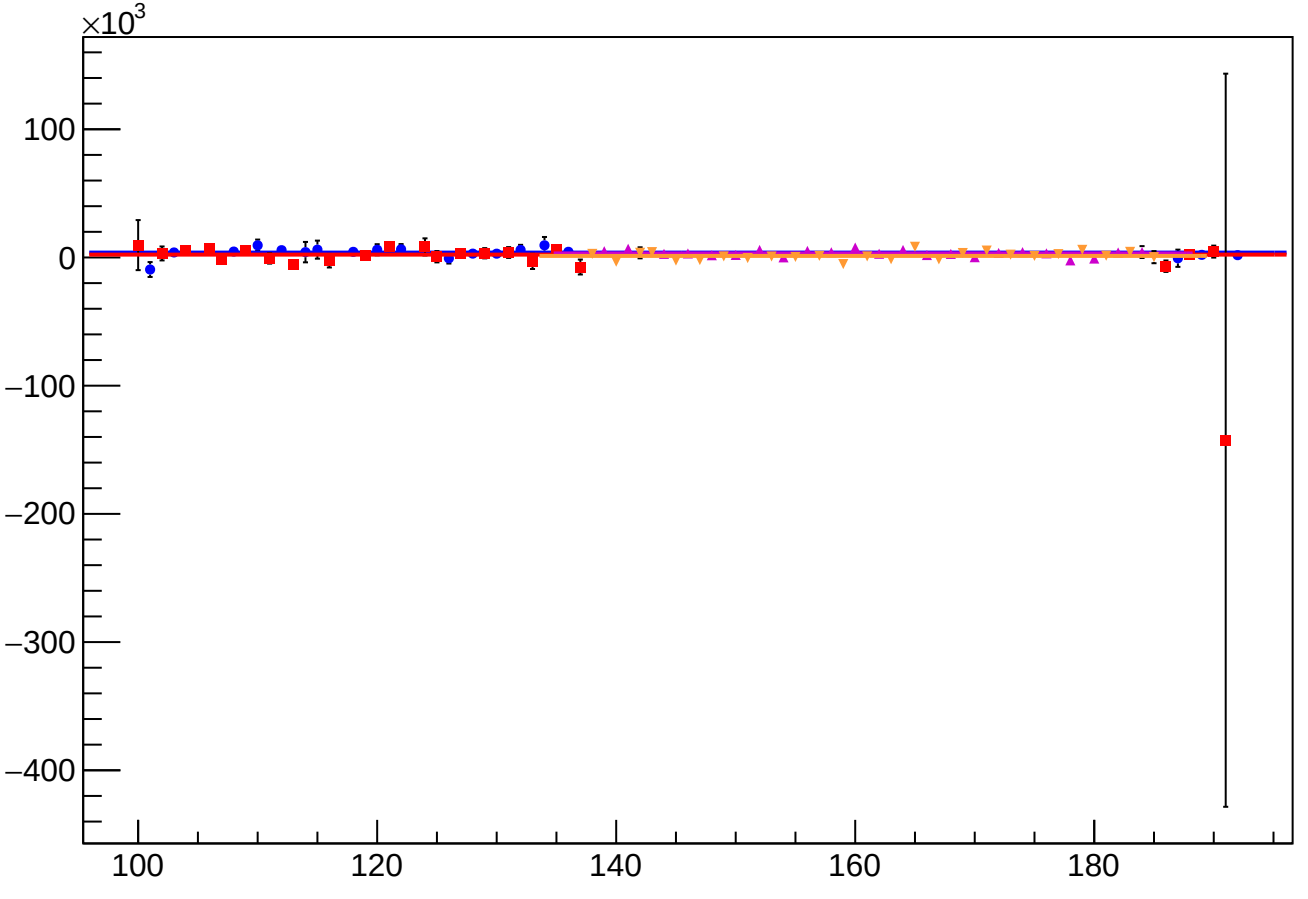
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 8388.560+/-1.441 χ^2/NDF: 2589557.7/41

In: 9032.411+/-1.252 χ^2/NDF:2092323.0/41

Out: 8734.398+/-1.187 χ^2/NDF:2890090.1/47

All: 8875.446+/-0.861 χ^2/NDF: 5012252.1/89



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: 2230.857+/-884.058 χ^2/NDF: 22.4/22

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

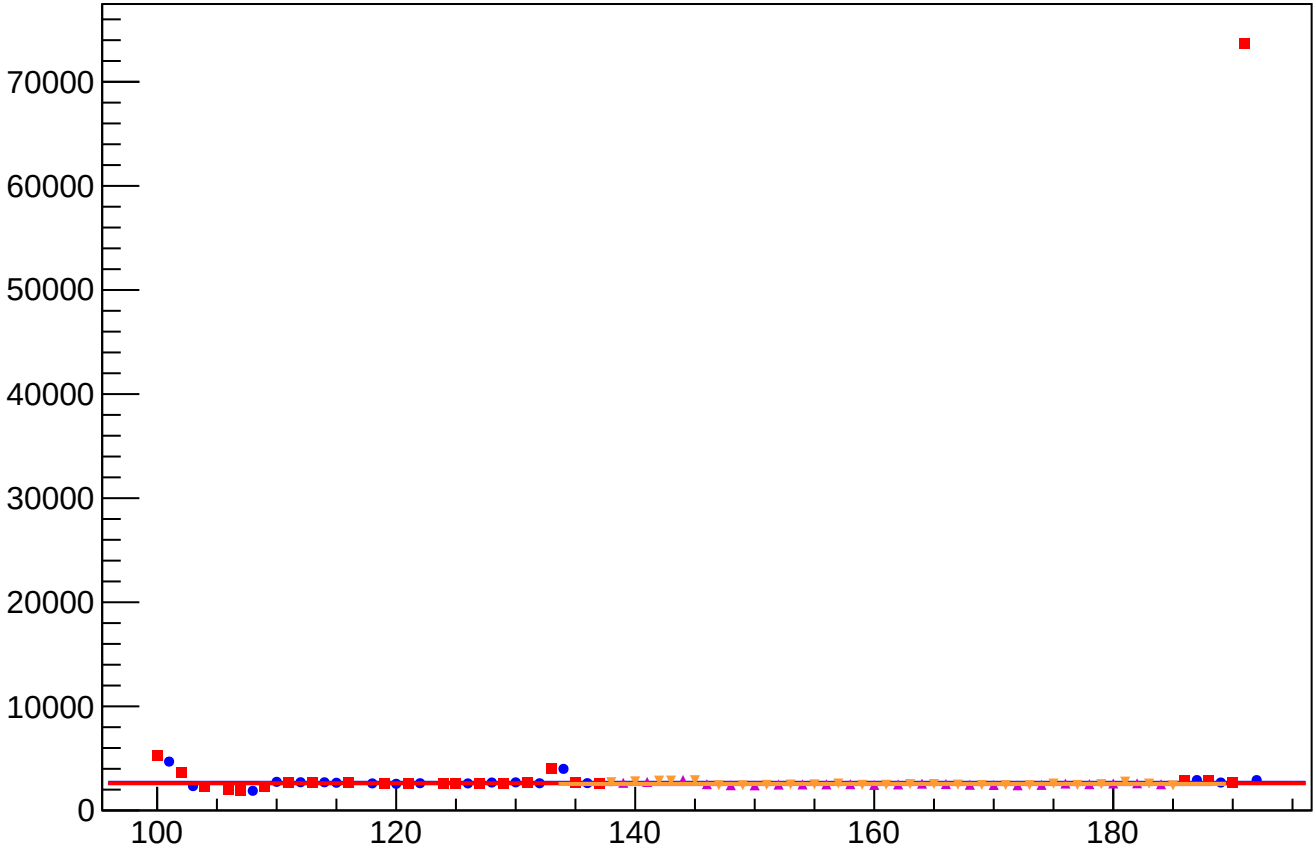
Right: 3003.341+/-631.378 χ^2/NDF: 35.4/41

In: 3348.196+/-494.996 χ^2/NDF:28.2/41

Out: 1519.657+/-484.770 χ^2/NDF:50.2/47

All: 2414.842+/-346.343 χ^2/NDF: 85.3/89

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: 2610.432+/-0.625 χ^2/NDF: 562490.6/22

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

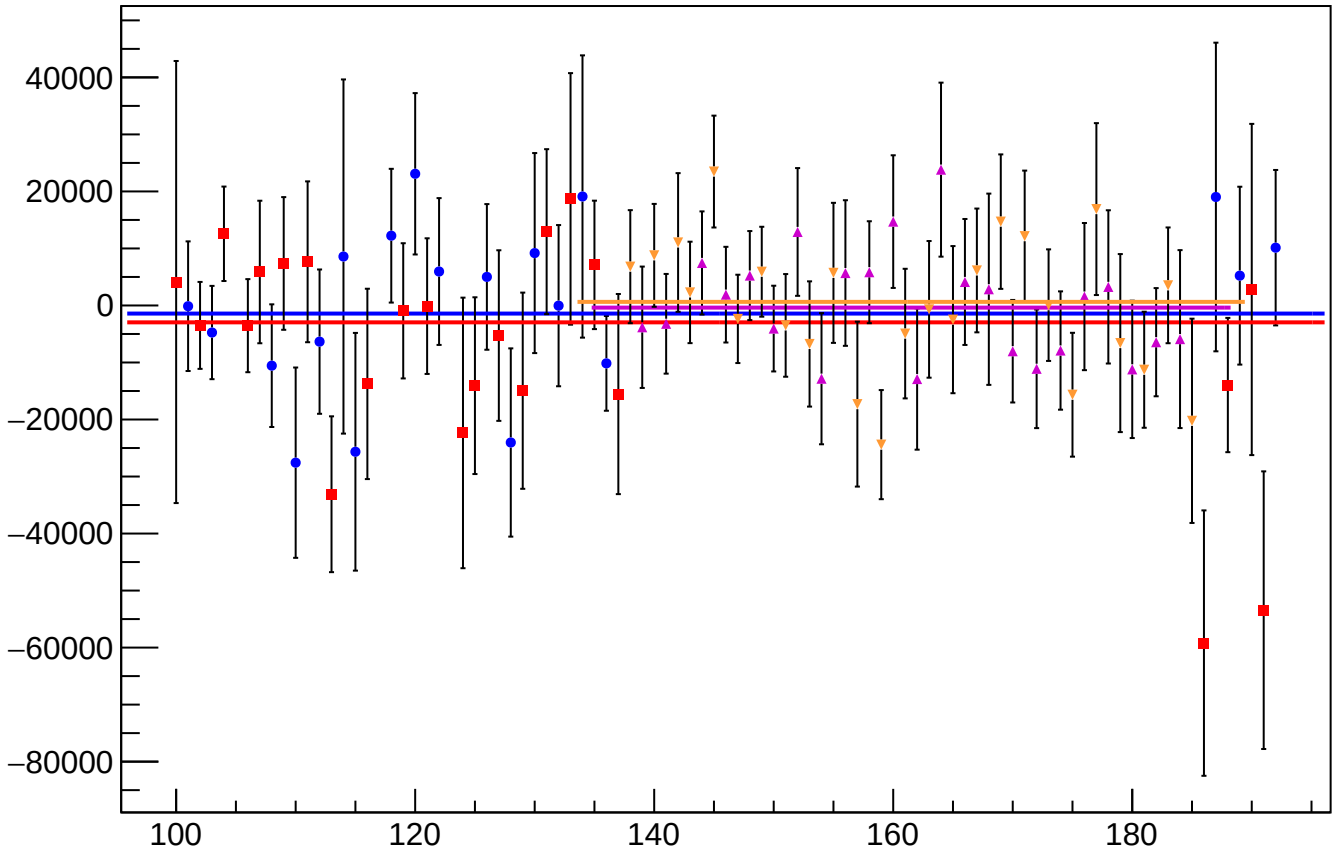
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2633.525+/-0.446 χ^2/NDF: 1072445.9/41

In: 2570.361+/-0.350 χ^2/NDF:602369.0/41

Out: 2566.195+/-0.343 χ^2/NDF:686959.1/47

All: 2568.234+/-0.245 χ^2/NDF: 1289400.5/89



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: -2960.947+/-2741.139 χ^2/NDF: 27.0/22

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

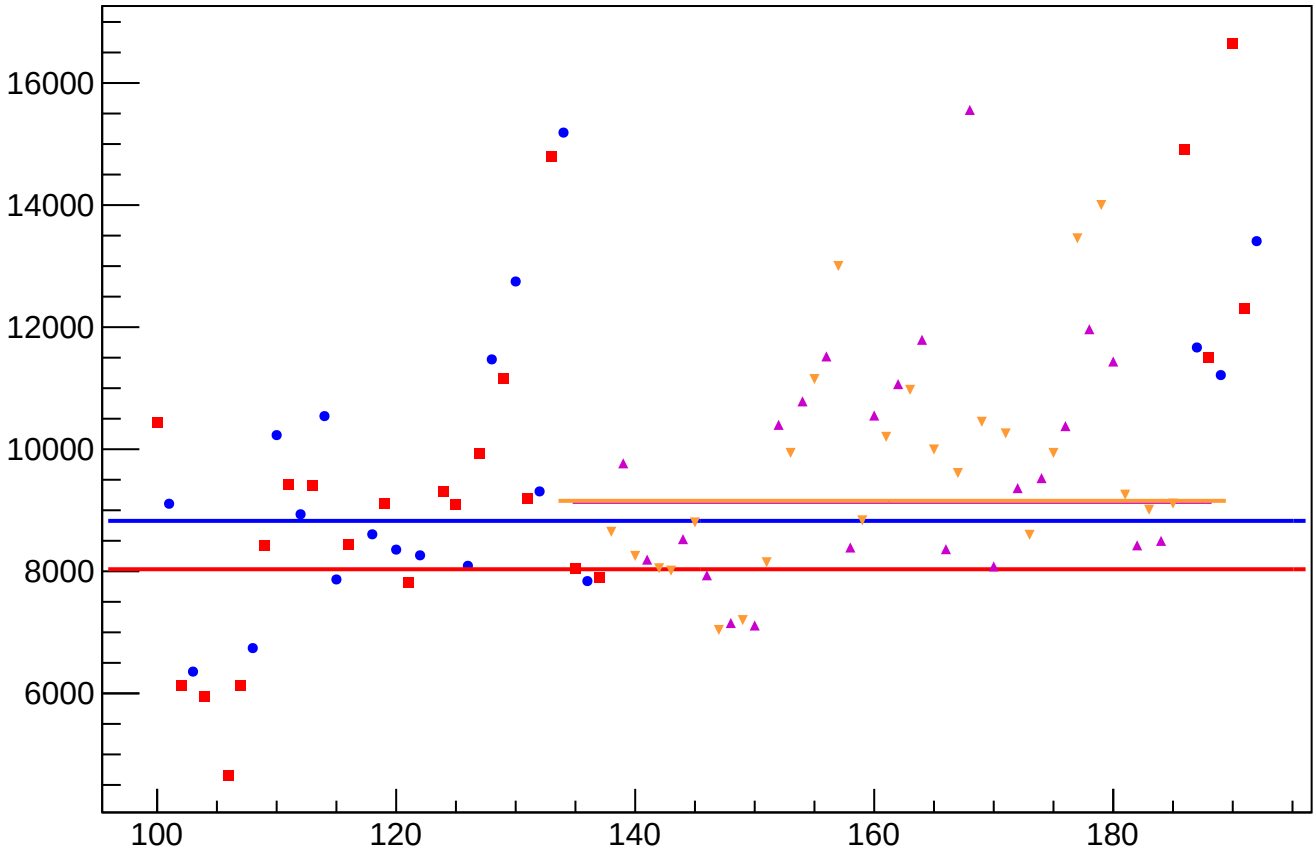
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2271.544+/-2037.405 χ^2/NDF: 42.6/41

In: -730.382+/-1770.693 χ^2/NDF:29.7/41

Out: -715.620+/-1678.513 χ^2/NDF:54.7/47

All: -722.607+/-1218.172 χ^2/NDF: 84.5/89



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: 8033.783+/-1.938 χ^2/NDF: 1608987.8/22

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

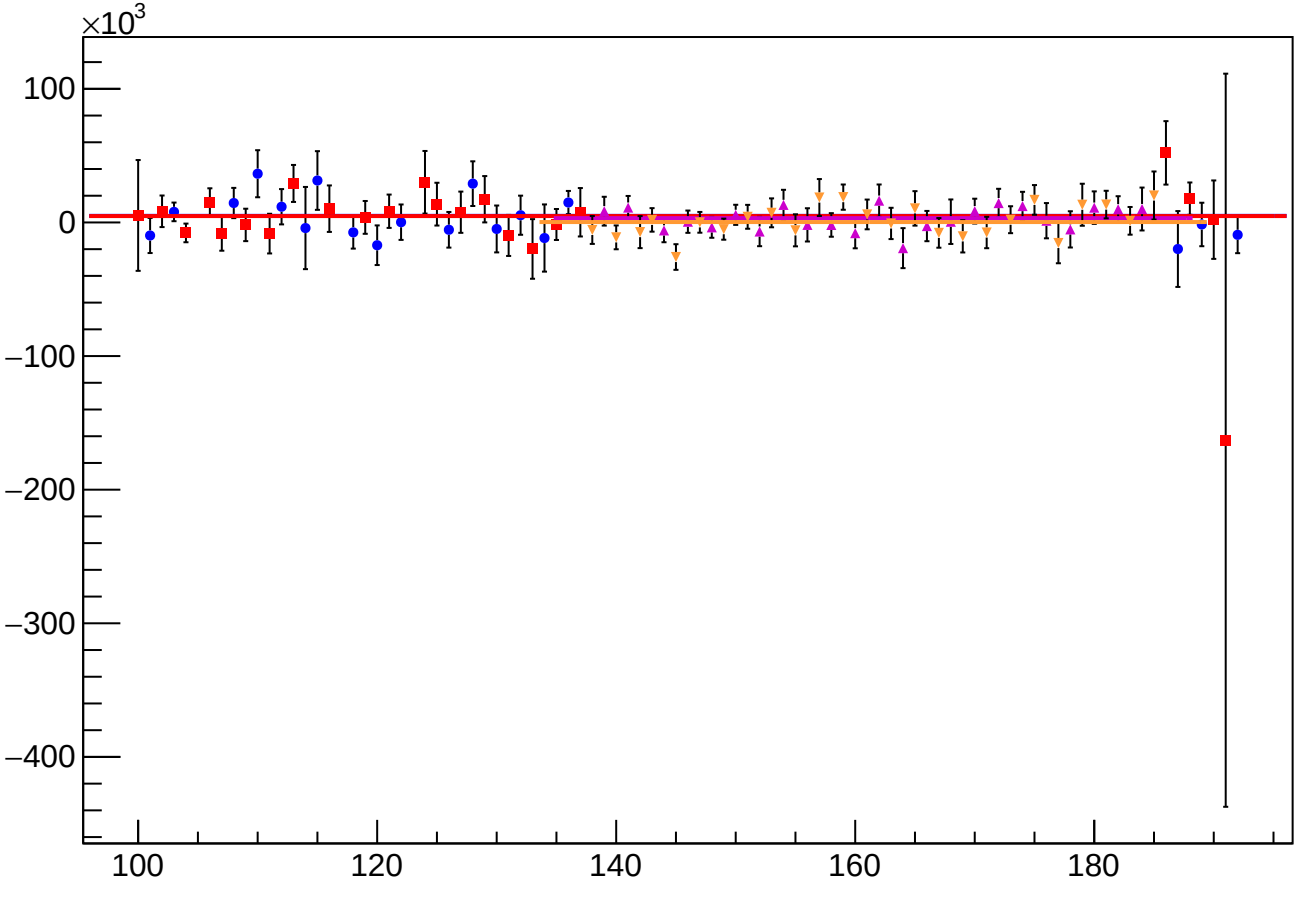
Right: 8388.550+/-1.441 χ^2/NDF: 2589553.8/41

In: 9032.417+/-1.252 χ^2/NDF:2092325.7/41

Out: 8734.401+/-1.187 χ^2/NDF:2890100.6/47

All: 8875.450+/-0.861 χ^2/NDF: 5012265.8/89

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: 4768.818+/-2936.361 χ^2/NDF: 19.7/22

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

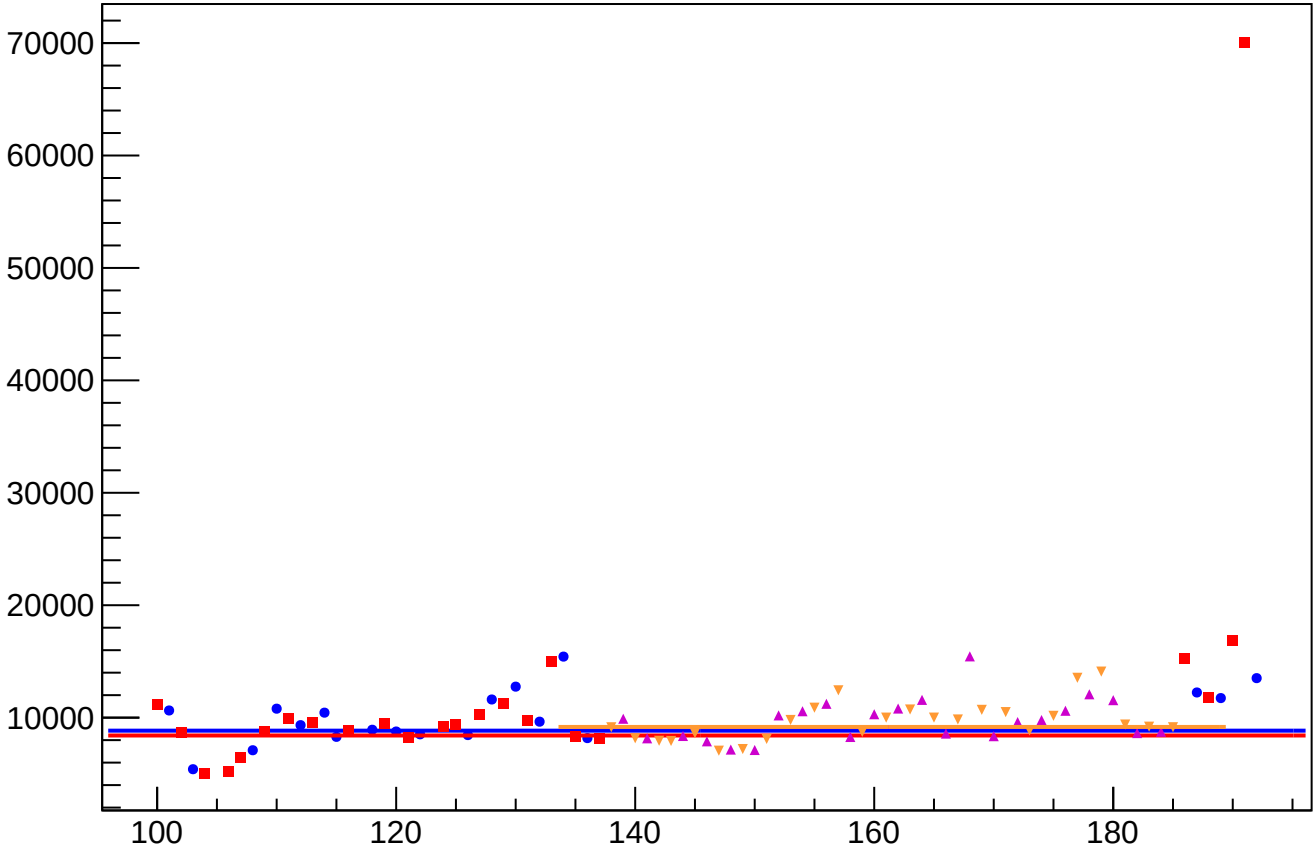
Right: 4848.714+/-2124.376 χ^2/NDF: 36.9/41

In: 3802.626+/-1778.768 χ^2/NDF:31.0/41

Out: 1833.091+/-1721.701 χ^2/NDF:47.5/47

All: 2785.758+/-1237.110 χ^2/NDF: 79.2/89

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: 8412.642+/-2.076 χ^2/NDF: 1664026.2/22

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

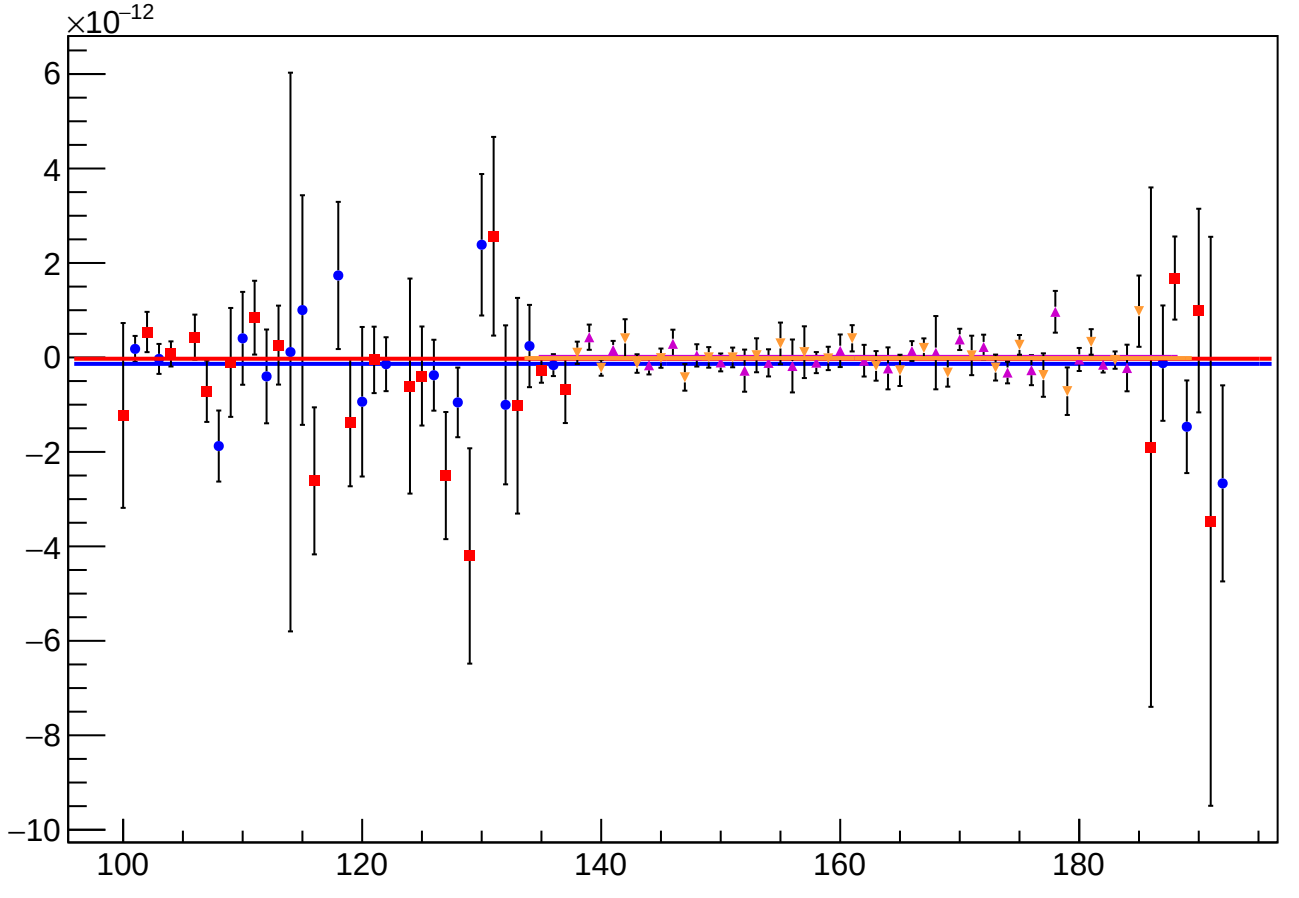
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 8617.325+/-1.502 χ^2/NDF: 2923554.5/41

In: 9055.305+/-1.258 χ^2/NDF:2381083.6/41

Out: 8911.471+/-1.217 χ^2/NDF:2808937.2/47

All: 8981.043+/-0.875 χ^2/NDF: 5196772.6/89



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: 24.2/22

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

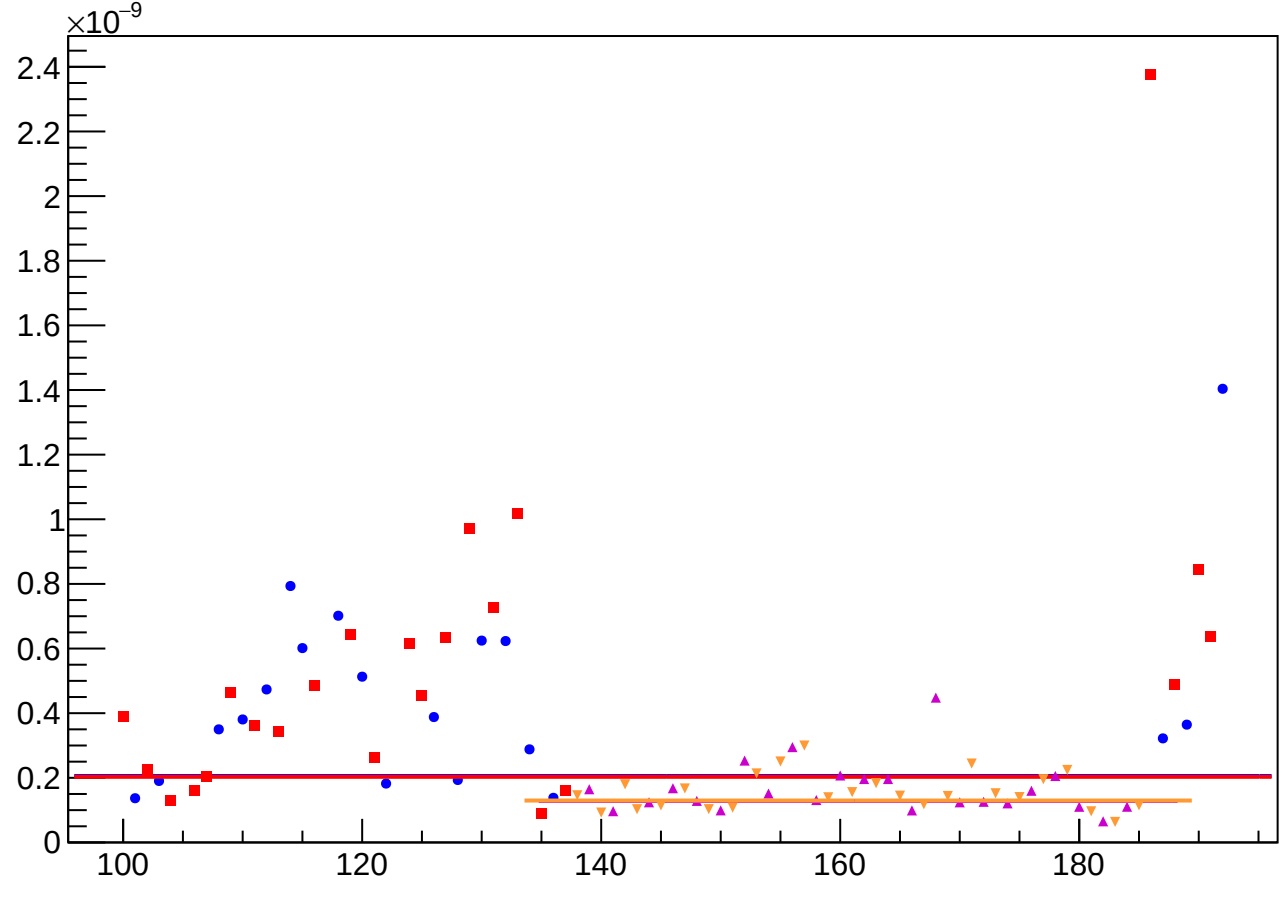
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 41.5/41

In: -0.000+/-0.000 χ^2/NDF:37.3/41

Out: -0.000+/-0.000 χ^2/NDF:43.6/47

All: -0.000+/-0.000 χ^2/NDF: 80.8/89



Right In: 0.000+/-0.000 χ^2/NDF: 2089396.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2789212.4/22

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

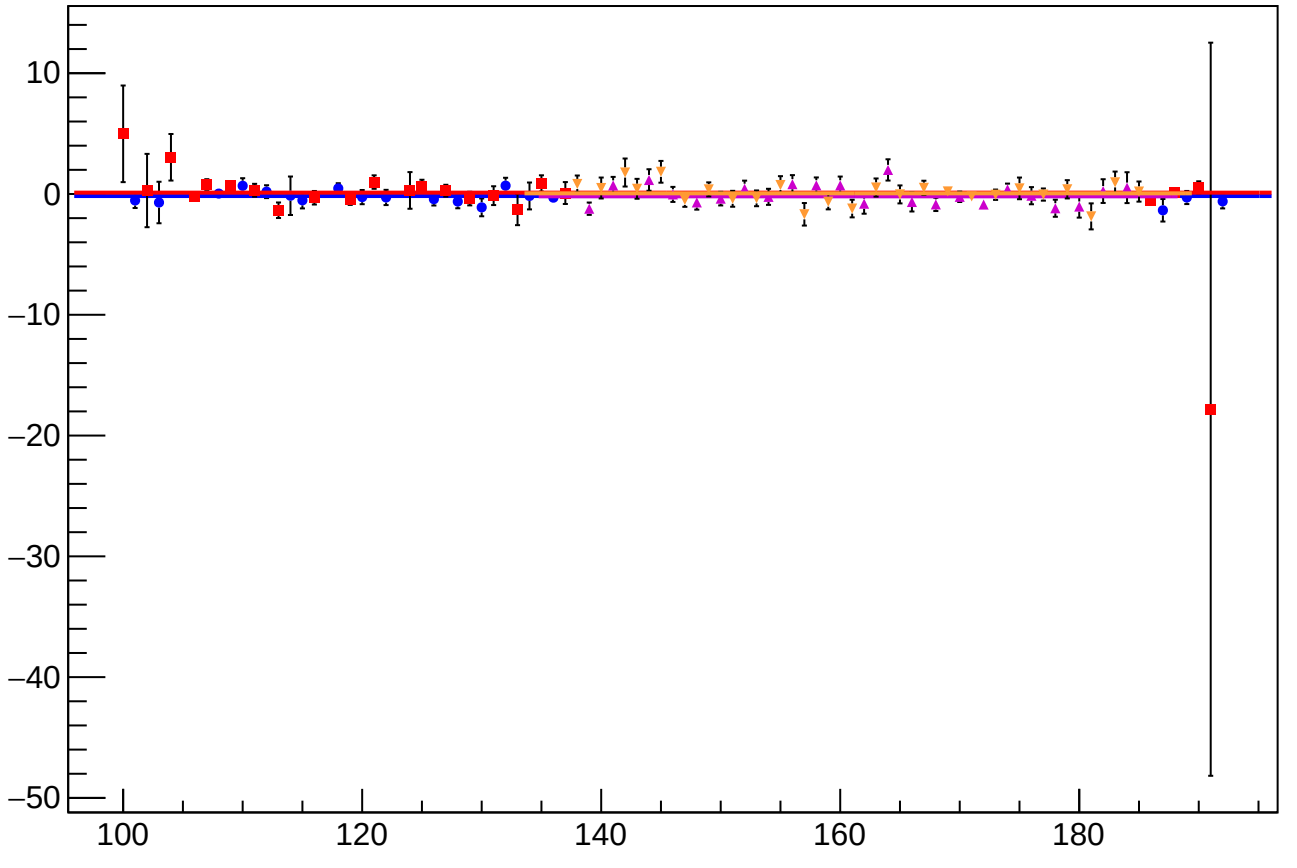
Left: 0.000+/-0.000 χ^2/NDF: 2907331.7/47

Right: 0.000+/-0.000 χ^2/NDF: 4878916.3/41

In: 0.000+/-0.000 χ^2/NDF:4190535.0/41

Out: 0.000+/-0.000 χ^2/NDF:4679029.2/47

All: 0.000+/-0.000 χ^2/NDF: 8869623.5/89



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: 0.112+/-0.108 χ^2/NDF: 29.1/22

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

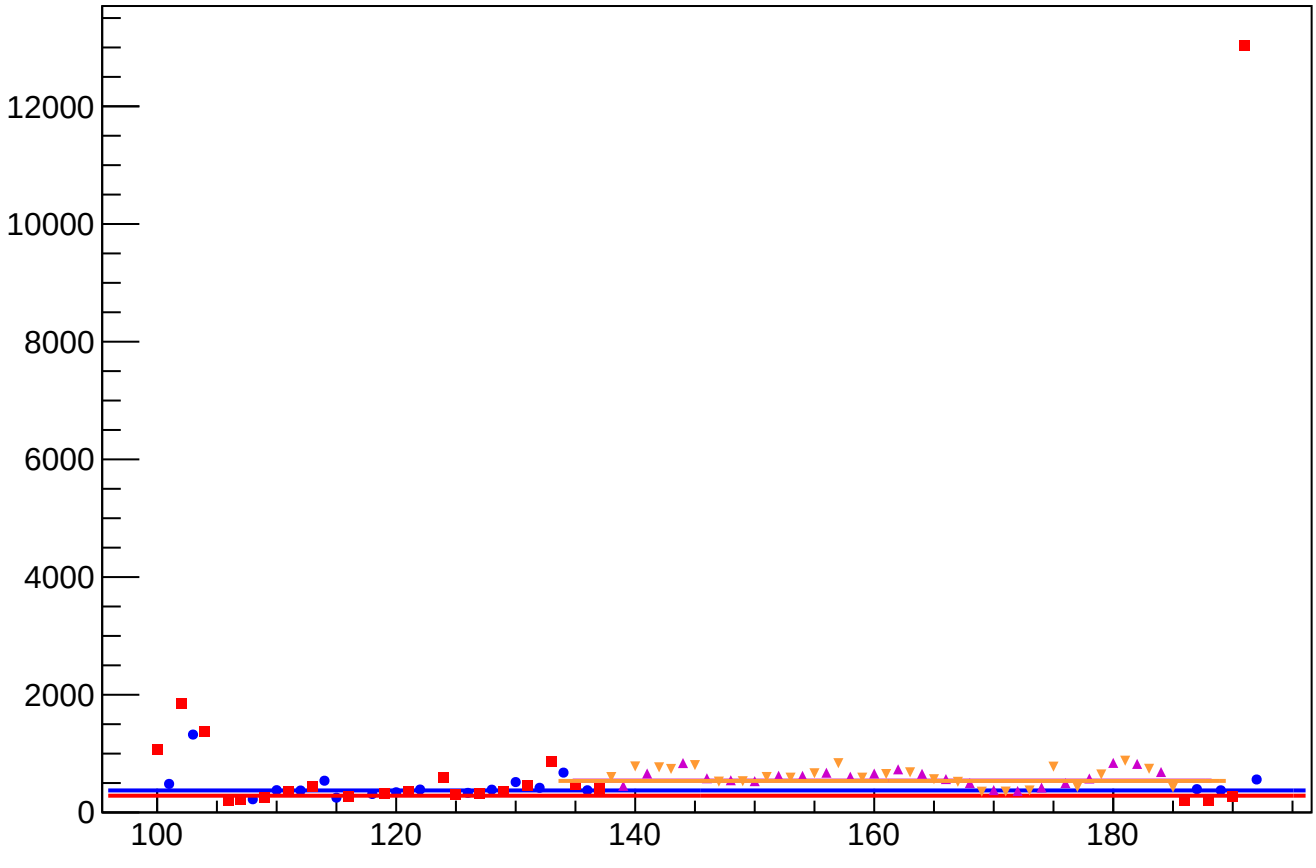
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.002+/-0.084 χ^2/NDF: 43.9/41

In: -0.180+/-0.095 χ^2/NDF:43.3/41

Out: 0.088+/-0.083 χ^2/NDF:53.9/47

All: -0.028+/-0.062 χ^2/NDF: 101.7/89



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: 284.755+/-0.076 χ^2/NDF: 3207593.2/22

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

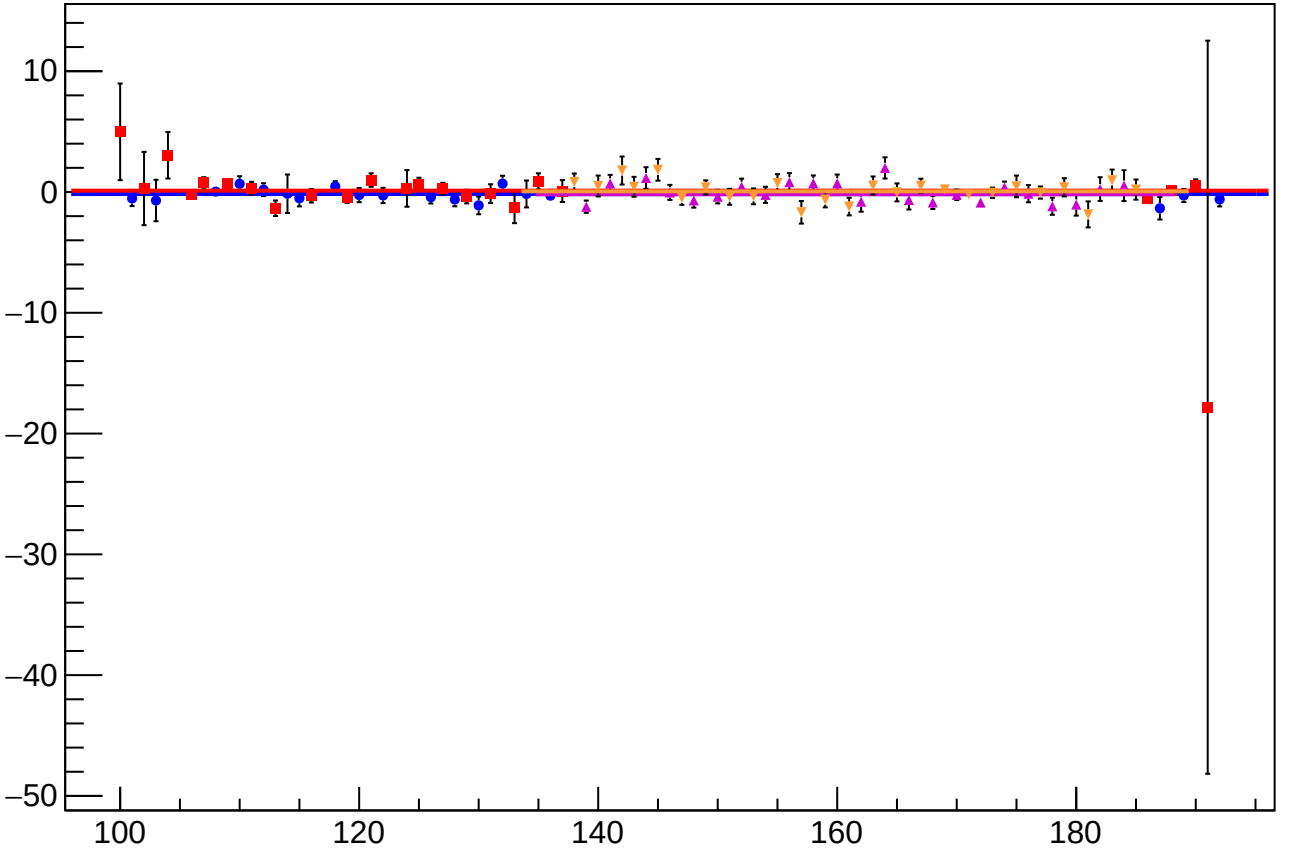
Right: 319.675+/-0.059 χ^2/NDF: 5341446.1/41

In: 458.360+/-0.067 χ^2/NDF:5050897.9/41

Out: 387.470+/-0.059 χ^2/NDF:10405010.7/47

All: 418.213+/-0.044 χ^2/NDF: 16091484.7/89

asym_atr2_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: 0.112+/-0.108 χ^2/NDF: 29.1/22

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

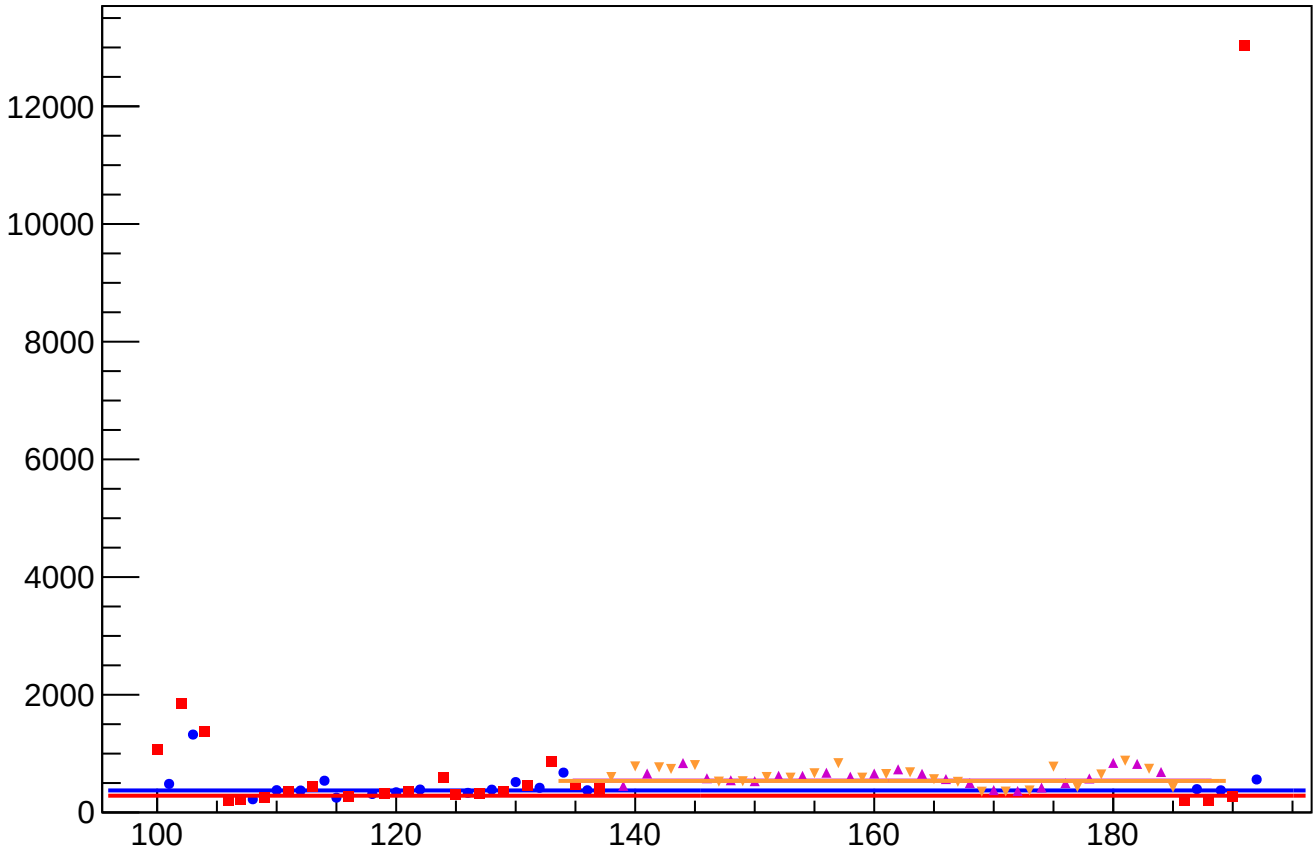
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.002+/-0.084 χ^2/NDF: 43.9/41

In: -0.180+/-0.095 χ^2/NDF:43.3/41

Out: 0.088+/-0.083 χ^2/NDF:53.9/47

All: -0.028+/-0.062 χ^2/NDF: 101.7/89



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: 284.755+/-0.076 χ^2/NDF: 3207593.2/22

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

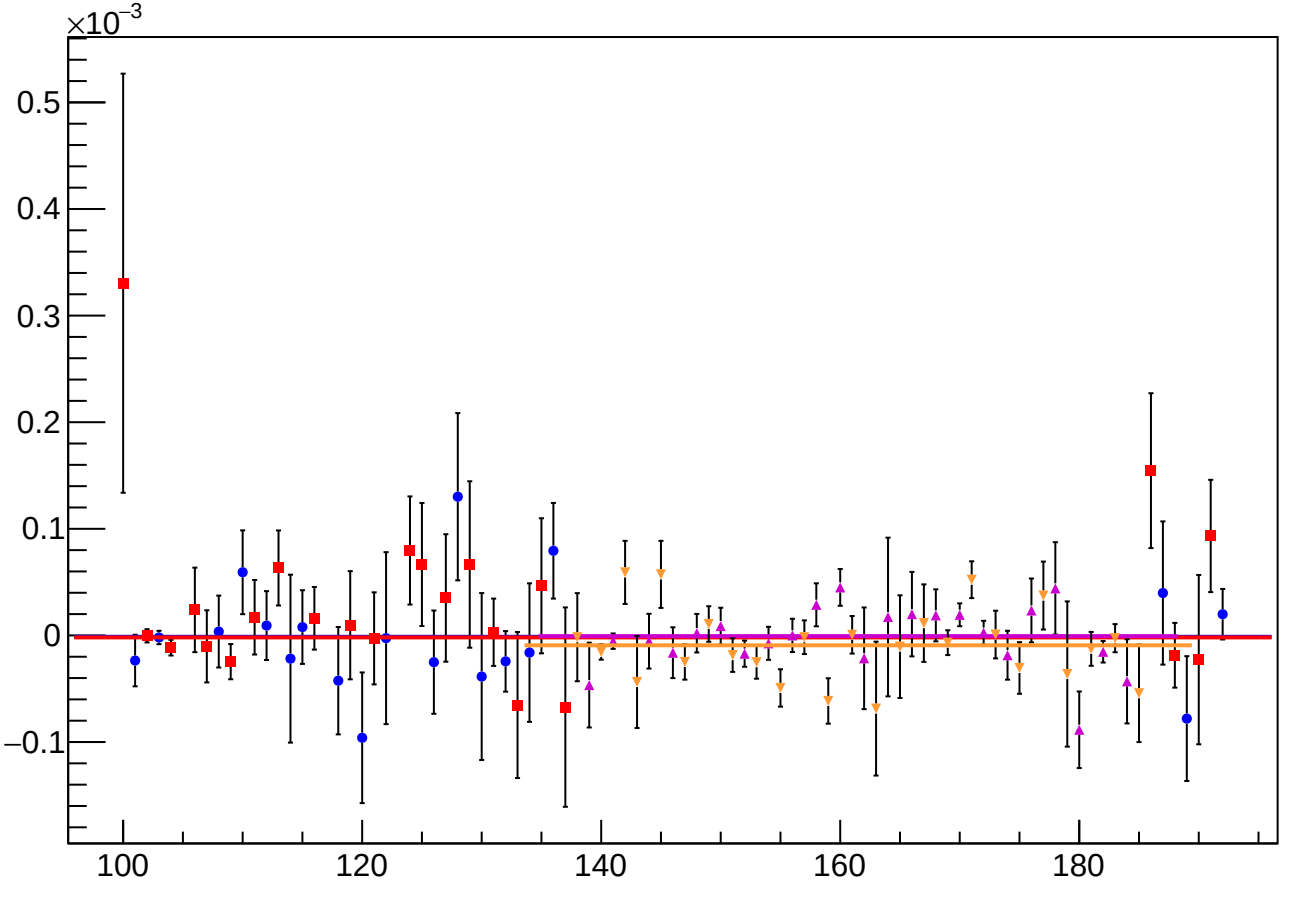
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 319.675+/-0.059 χ^2/NDF: 5341446.1/41

In: 458.360+/-0.067 χ^2/NDF:5050897.9/41

Out: 387.470+/-0.059 χ^2/NDF:10405010.7/47

All: 418.213+/-0.044 χ^2/NDF: 16091484.7/89



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: 26.5/22

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

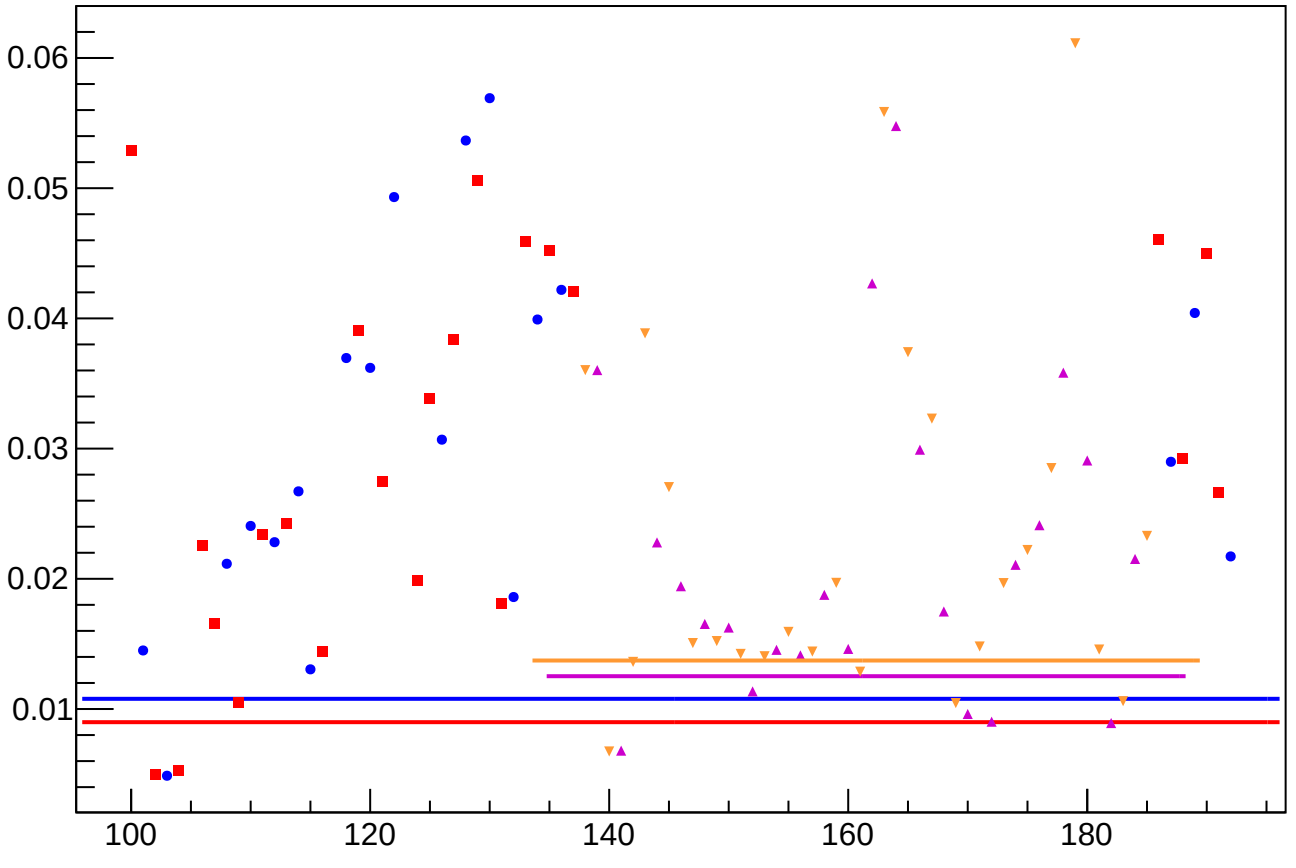
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 43.2/41

In: -0.000+/-0.000 χ^2/NDF:46.7/41

Out: -0.000+/-0.000 χ^2/NDF:73.5/47

All: -0.000+/-0.000 χ^2/NDF: 121.9/89



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: 0.009+/-0.000 χ^2/NDF: 8847666.1/22

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

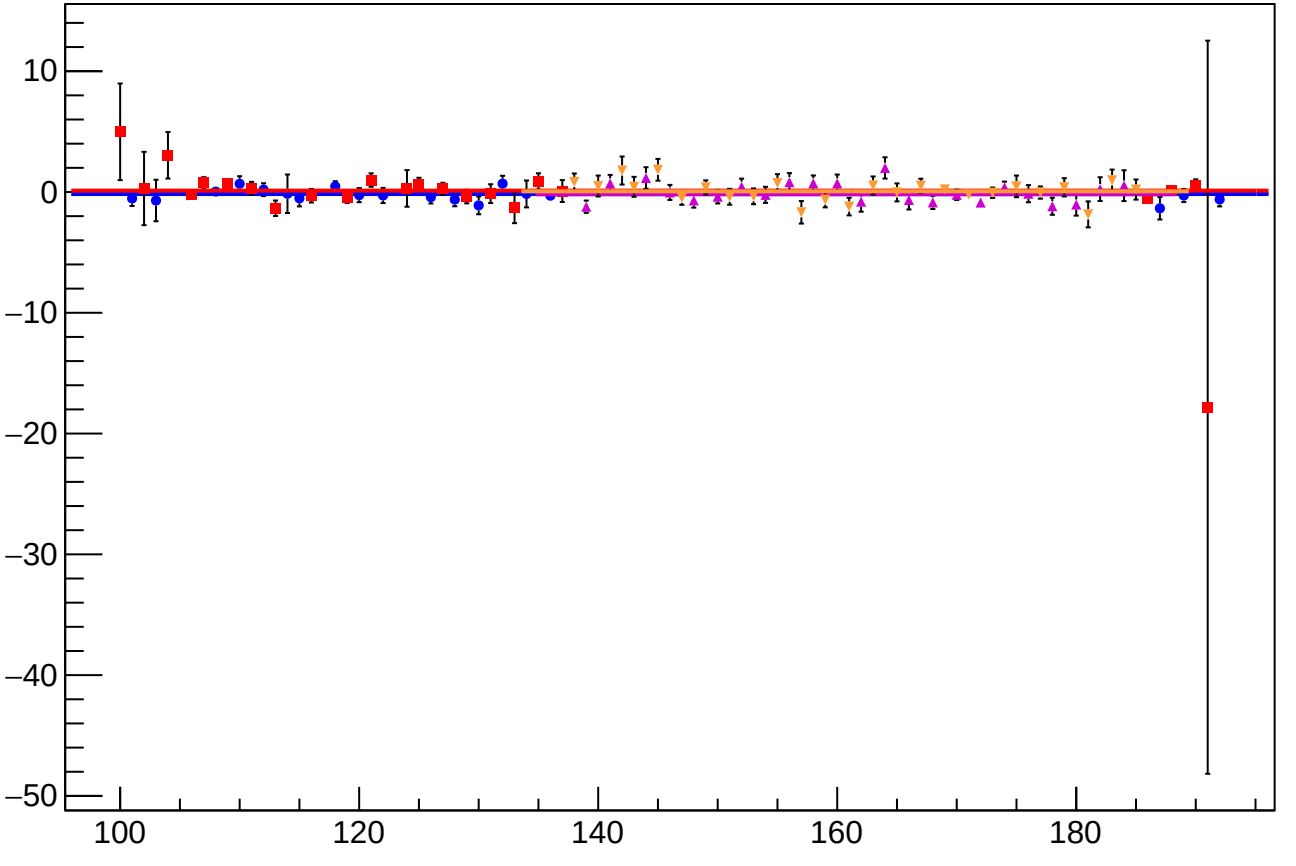
Right: 0.010+/-0.000 χ^2/NDF: 17189600.3/41

In: 0.012+/-0.000 χ^2/NDF:15473391.0/41

Out: 0.012+/-0.000 χ^2/NDF:18046989.6/47

All: 0.012+/-0.000 χ^2/NDF: 33531792.5/89

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: 0.112+/-0.108 χ^2/NDF: 29.1/22

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

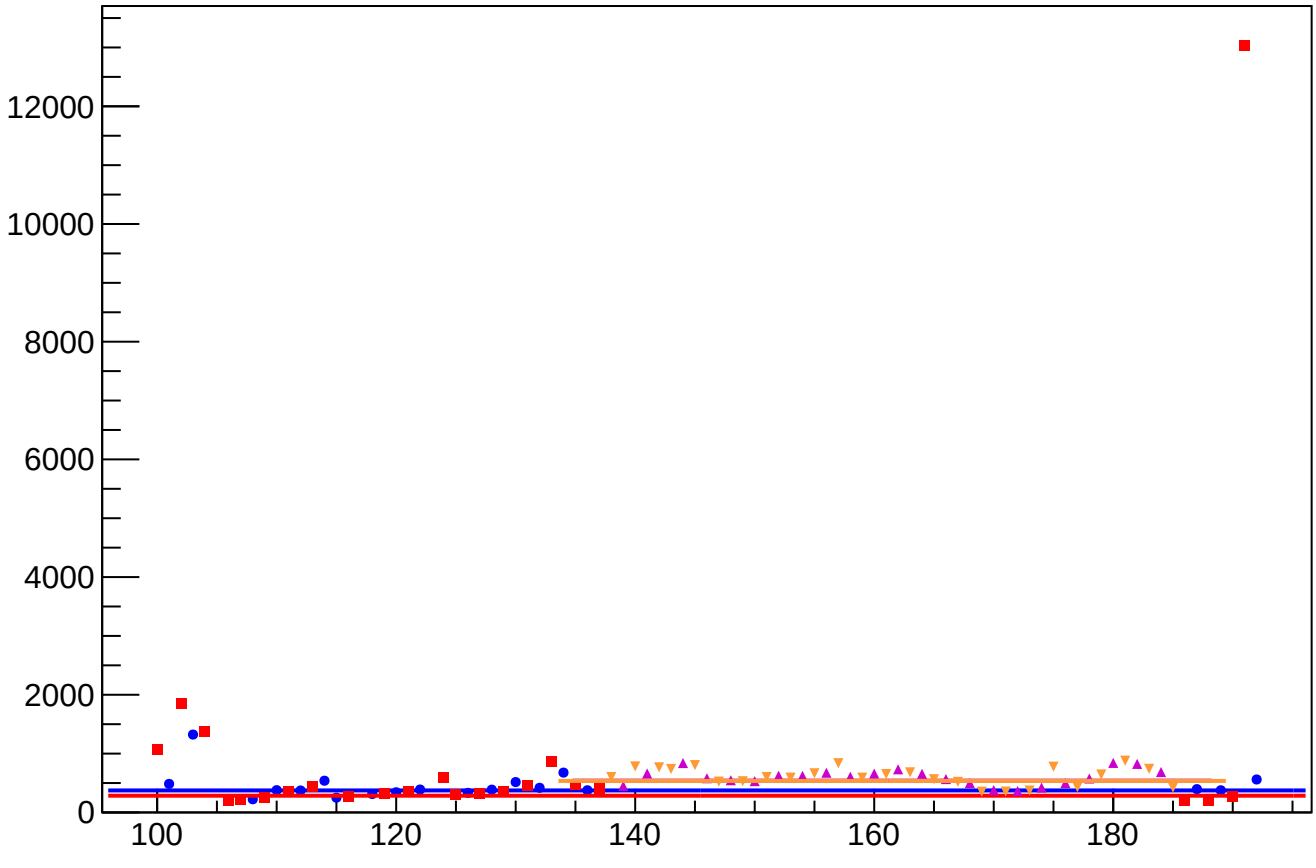
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.002+/-0.084 χ^2/NDF: 43.9/41

In: -0.180+/-0.095 χ^2/NDF:43.3/41

Out: 0.088+/-0.083 χ^2/NDF:53.9/47

All: -0.028+/-0.062 χ^2/NDF: 101.7/89



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: 284.755+/-0.076 χ^2/NDF: 3207528.2/22

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

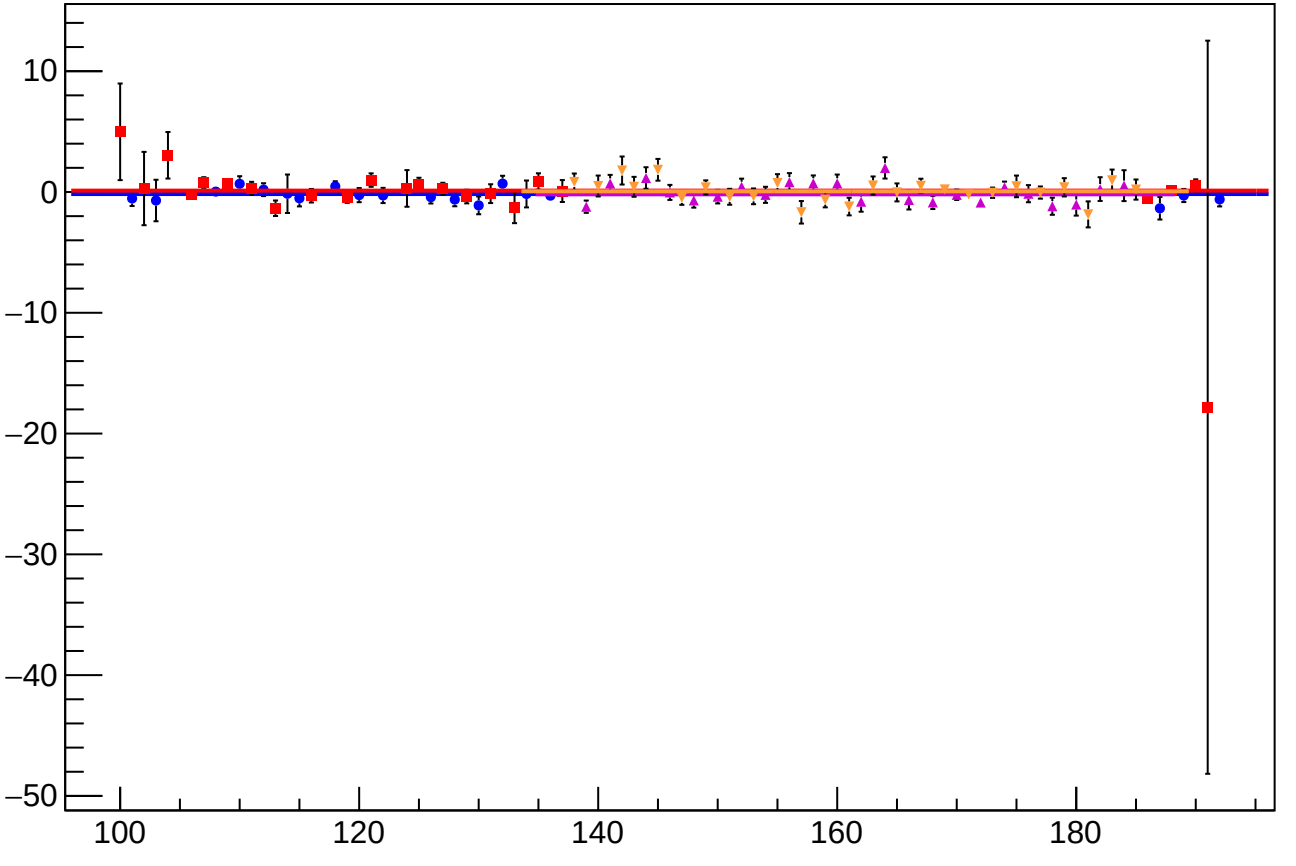
Right: 319.674+/-0.059 χ^2/NDF: 5341343.7/41

In: 458.359+/-0.067 χ^2/NDF:5051103.7/41

Out: 387.471+/-0.059 χ^2/NDF:10405142.5/47

All: 418.213+/-0.044 χ^2/NDF: 16091793.1/89

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: 0.112+/-0.108 χ^2/NDF: 29.1/22

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

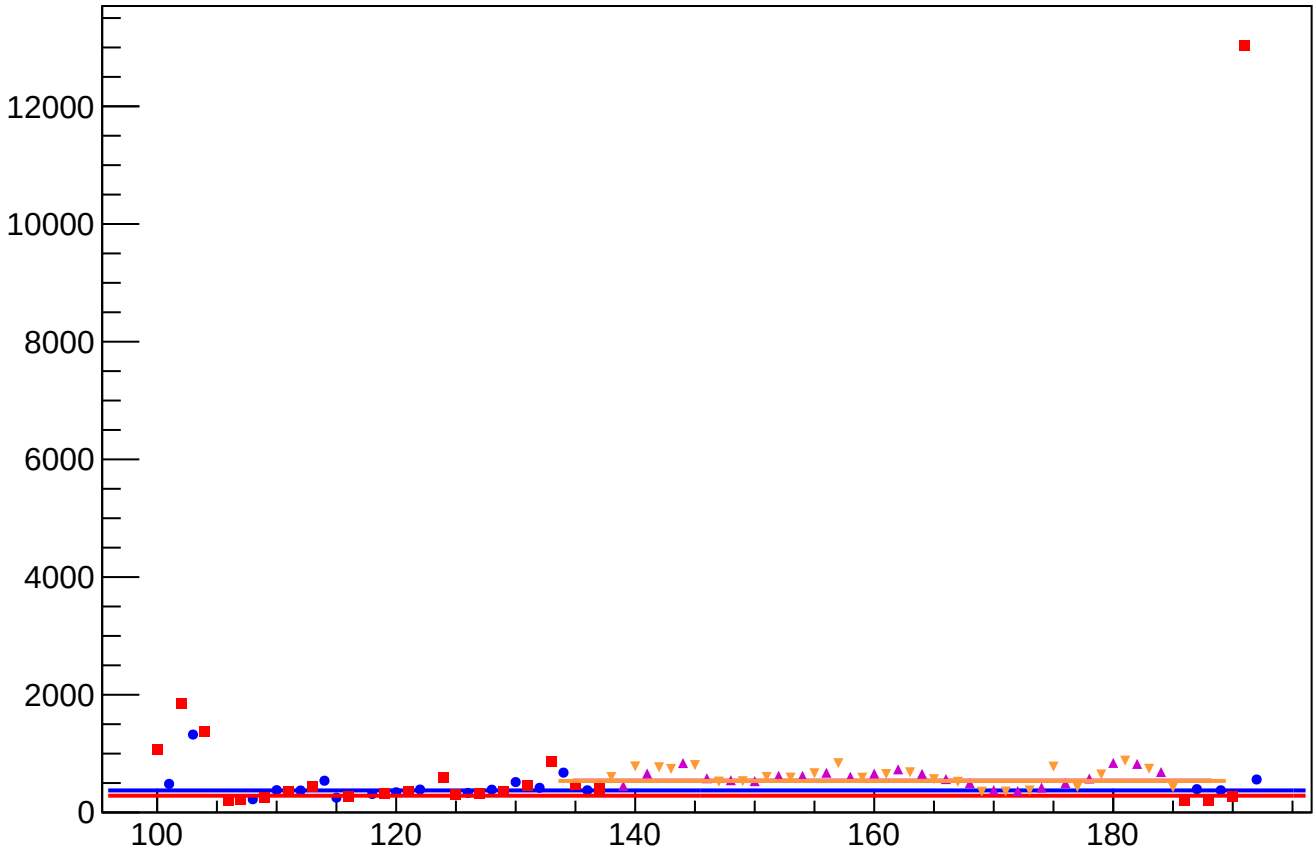
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.002+/-0.084 χ^2/NDF: 43.9/41

In: -0.180+/-0.095 χ^2/NDF:43.3/41

Out: 0.088+/-0.083 χ^2/NDF:53.9/47

All: -0.028+/-0.062 χ^2/NDF: 101.7/89



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: 284.755+/-0.076 χ^2/NDF: 3207528.2/22

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

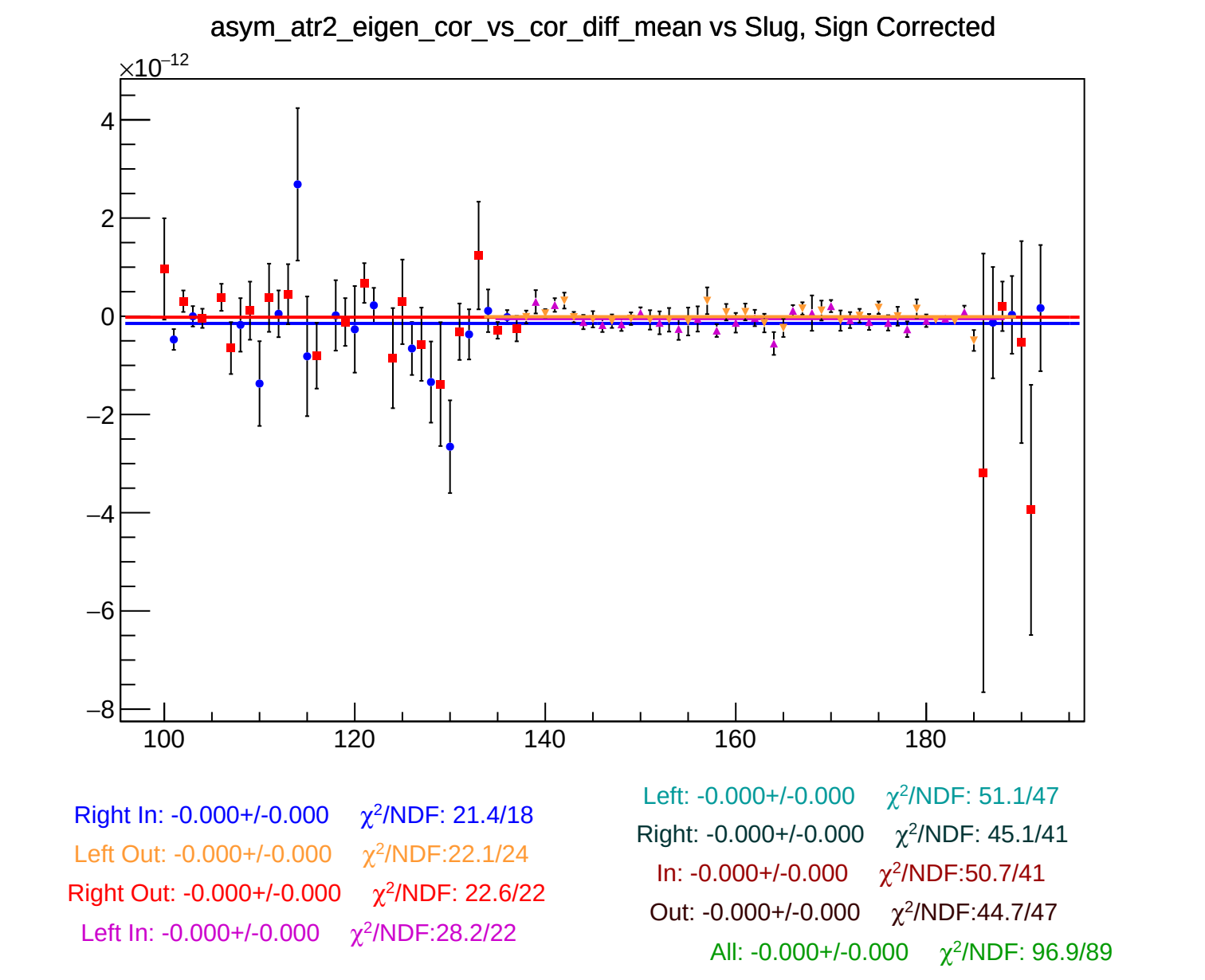
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

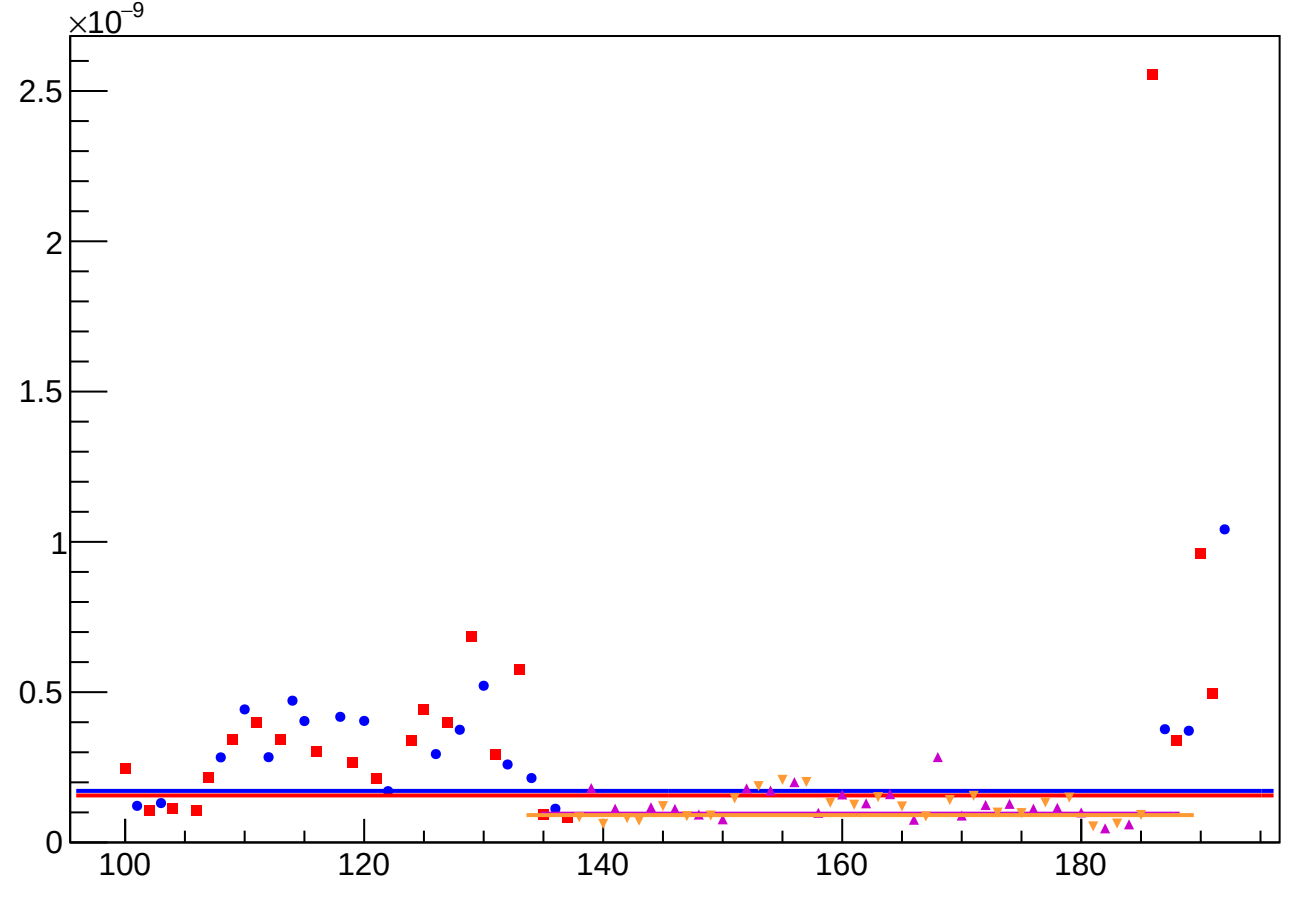
Right: 319.674+/-0.059 χ^2/NDF: 5341343.7/41

In: 458.359+/-0.067 χ^2/NDF:5051103.7/41

Out: 387.471+/-0.059 χ^2/NDF:10405142.5/47

All: 418.213+/-0.044 χ^2/NDF: 16091793.1/89


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 21.4/18
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.6/22
Left In: -0.000+/-0.000 χ²/NDF:28.2/22
Left: -0.000+/-0.000 χ²/NDF: 51.1/47
Right: -0.000+/-0.000 χ²/NDF: 45.1/41
In: -0.000+/-0.000 χ²/NDF:50.7/41
Out: -0.000+/-0.000 χ²/NDF:44.7/47
All: -0.000+/-0.000 χ²/NDF: 96.9/89



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: 4044227.6/22

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

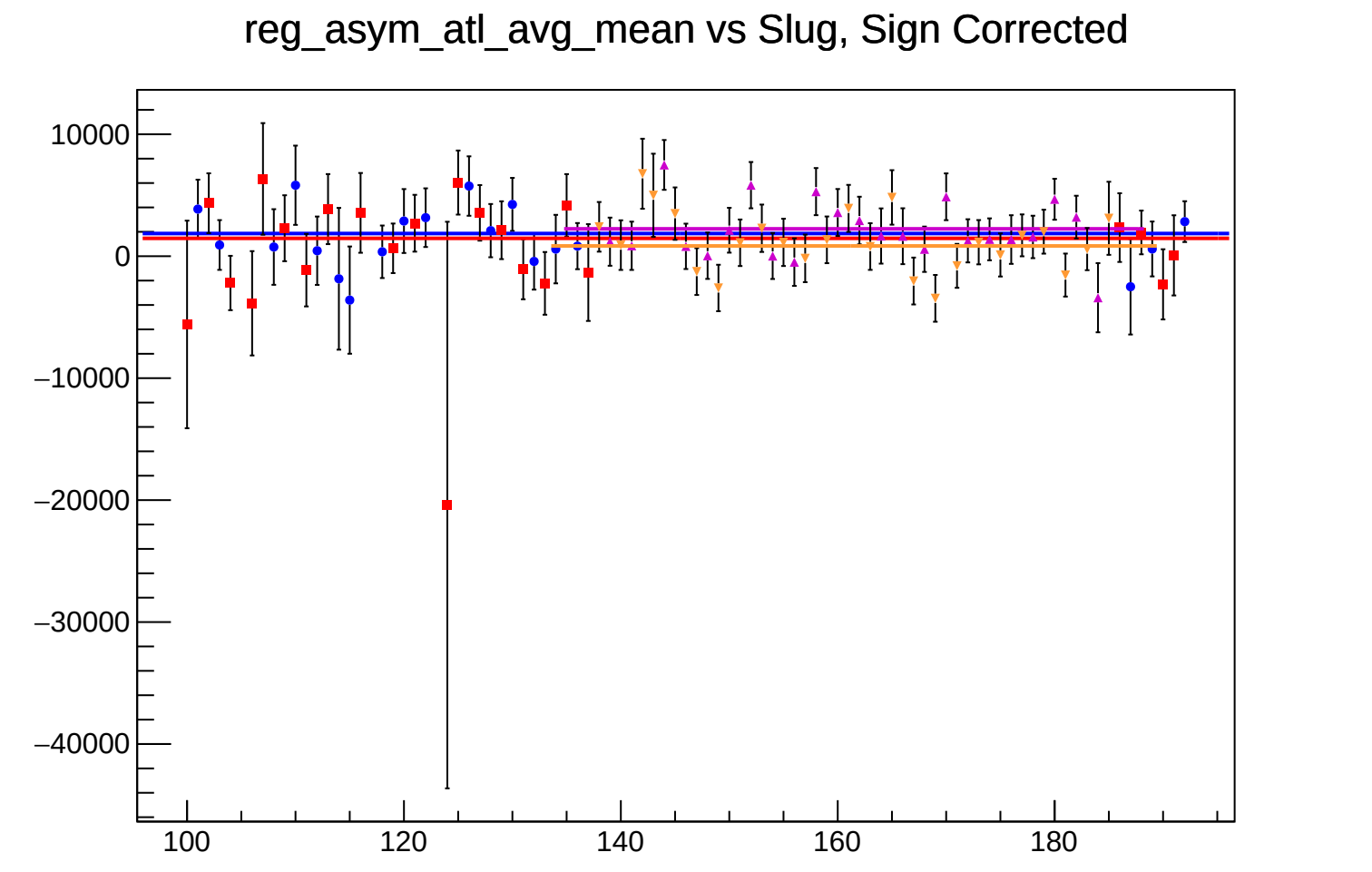
Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

Right: 0.000+/-0.000 χ^2/NDF: 7214328.7/41

In: 0.000+/-0.000 χ^2/NDF:8427210.6/41

Out: 0.000+/-0.000 χ^2/NDF:8549126.7/47

All: 0.000+/-0.000 χ^2/NDF: 17025295.5/89



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: 1464.685+/-570.217 χ^2/NDF: 21.5/22

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

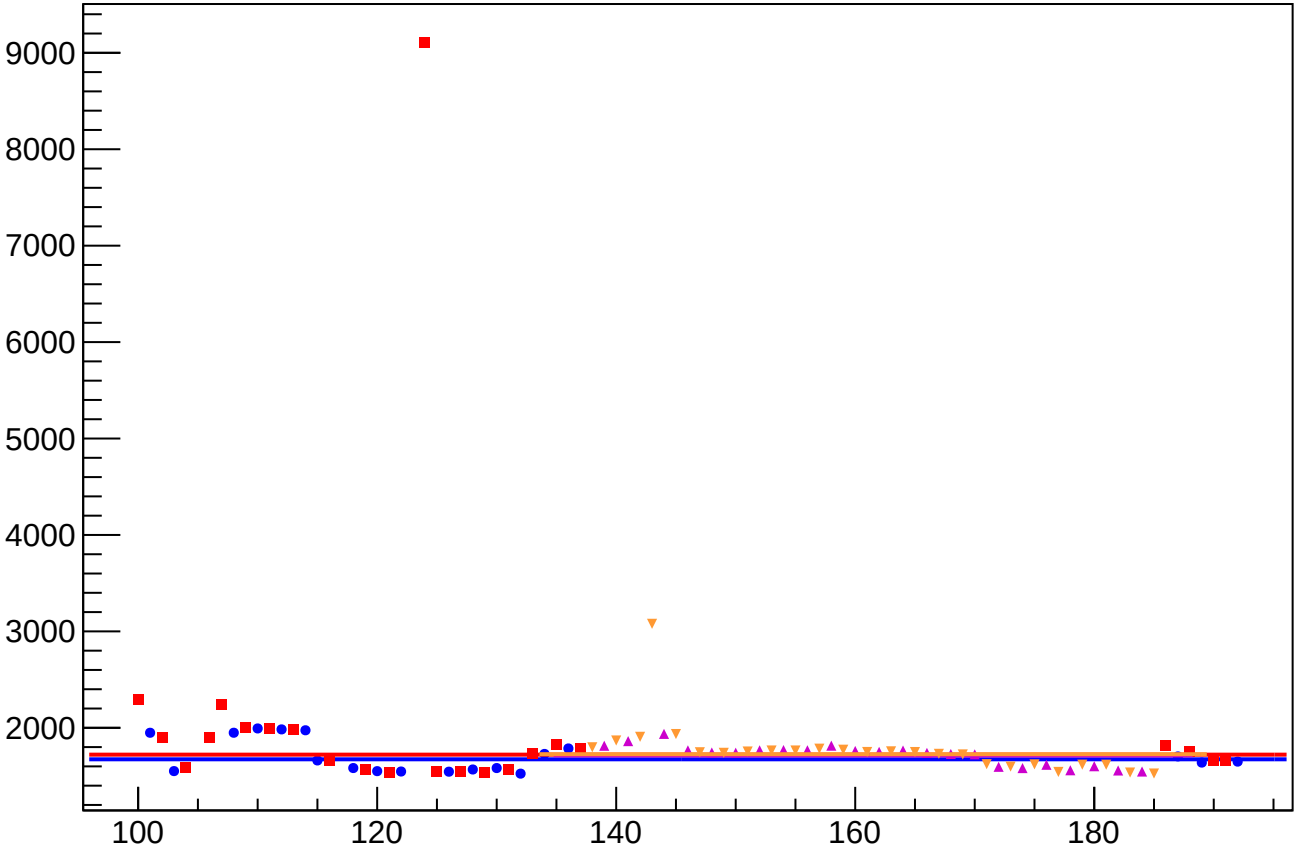
Right: 1665.560+/-400.588 χ^2/NDF: 34.5/41

In: 2115.959+/-326.465 χ^2/NDF:42.5/41

Out: 1043.238+/-324.395 χ^2/NDF:52.7/47

All: 1576.186+/-230.110 χ^2/NDF: 100.7/89

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: 1721.625+/-0.402 χ^2/NDF: 387567.6/22

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

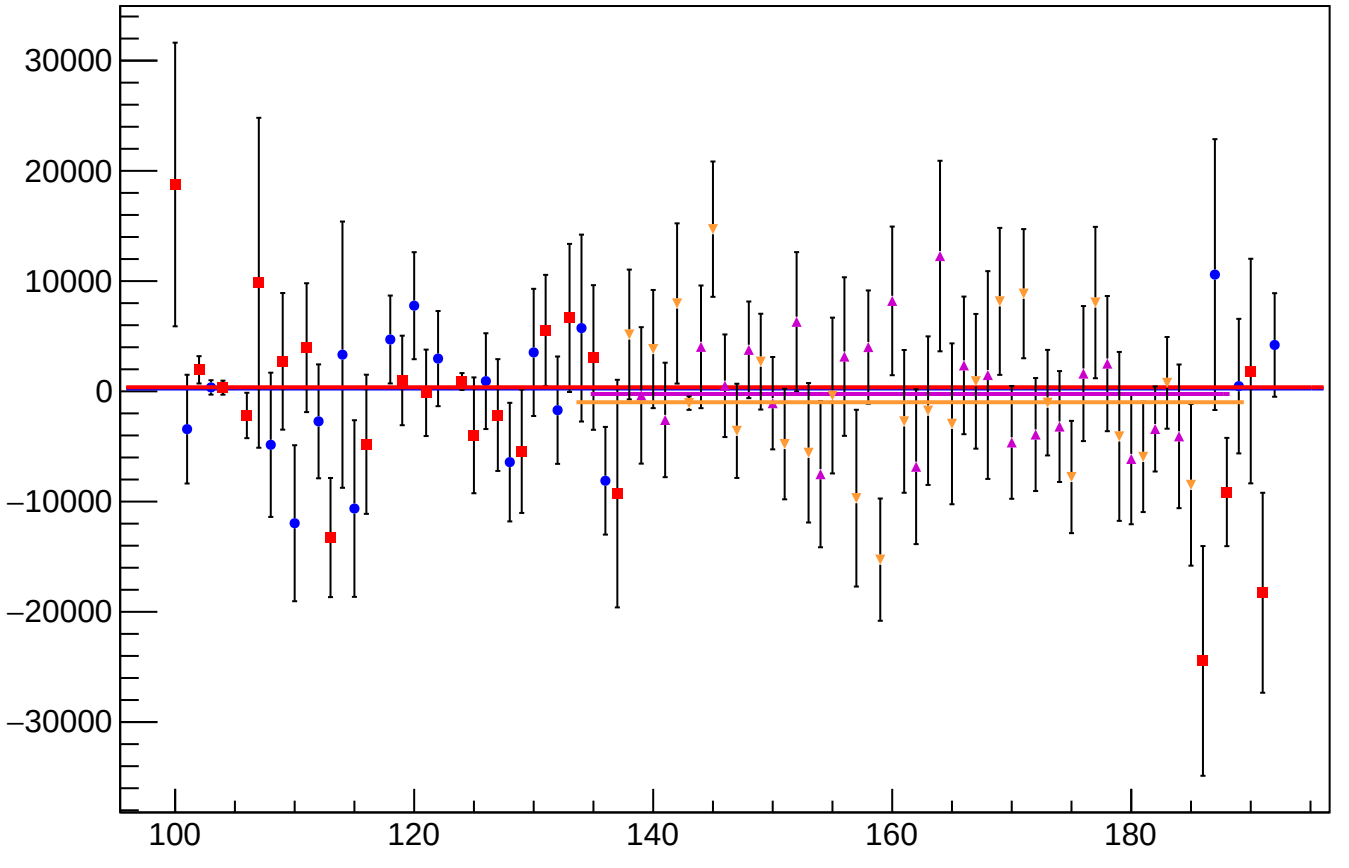
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1697.251+/-0.283 χ^2/NDF: 537460.6/41

In: 1699.757+/-0.231 χ^2/NDF:278534.3/41

Out: 1724.616+/-0.229 χ^2/NDF:842580.6/47

All: 1712.280+/-0.163 χ^2/NDF: 1126957.3/89



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: 370.383+/-422.032 χ^2/NDF: 32.3/22

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

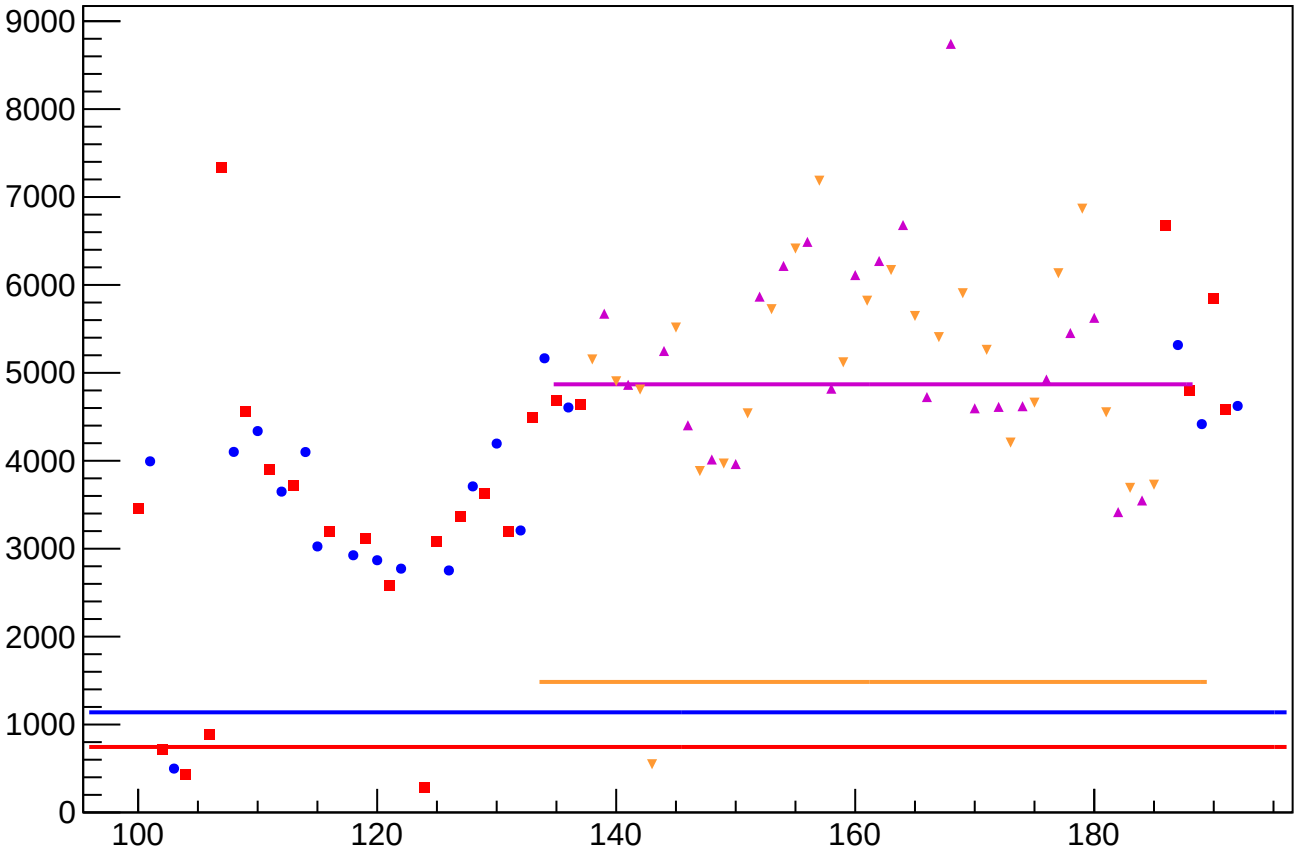
Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

Right: 331.435+/-341.984 χ^2/NDF: 49.6/41

In: 157.348+/-521.804 χ^2/NDF:31.0/41

Out: -143.085+/-332.816 χ^2/NDF:67.1/47

All: -56.208+/-280.599 χ^2/NDF: 98.3/89



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: 744.847+/-0.298 χ^2/NDF: 11542263.5/22

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

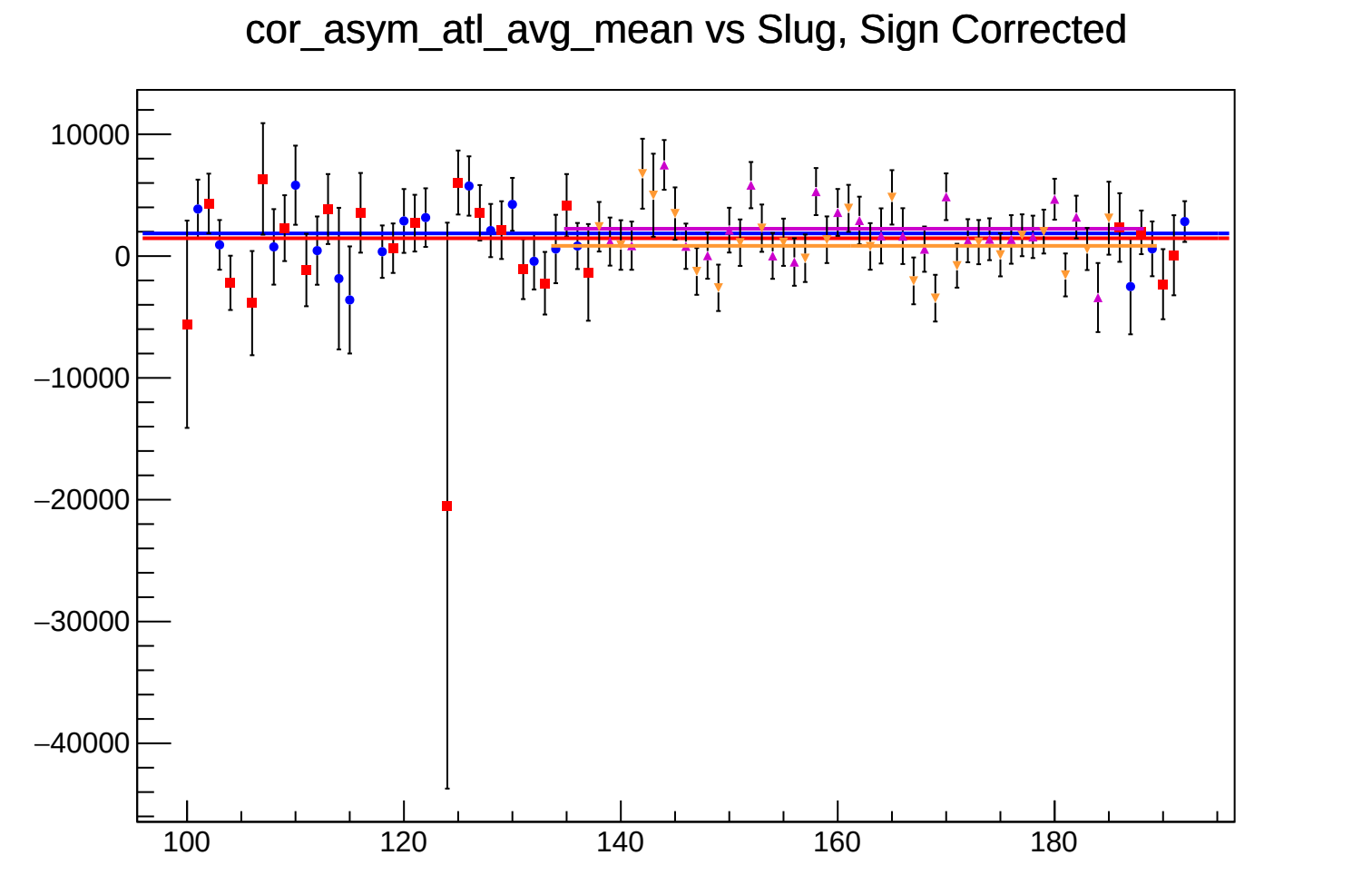
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 880.153+/-0.242 χ^2/NDF: 22214615.9/41

In: 1887.296+/-0.369 χ^2/NDF:27942959.7/41

Out: 1024.537+/-0.235 χ^2/NDF:37090383.5/47

All: 1274.024+/-0.198 χ^2/NDF: 68919834.9/8



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: 1462.728+/-570.221 χ^2/NDF: 21.5/22

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

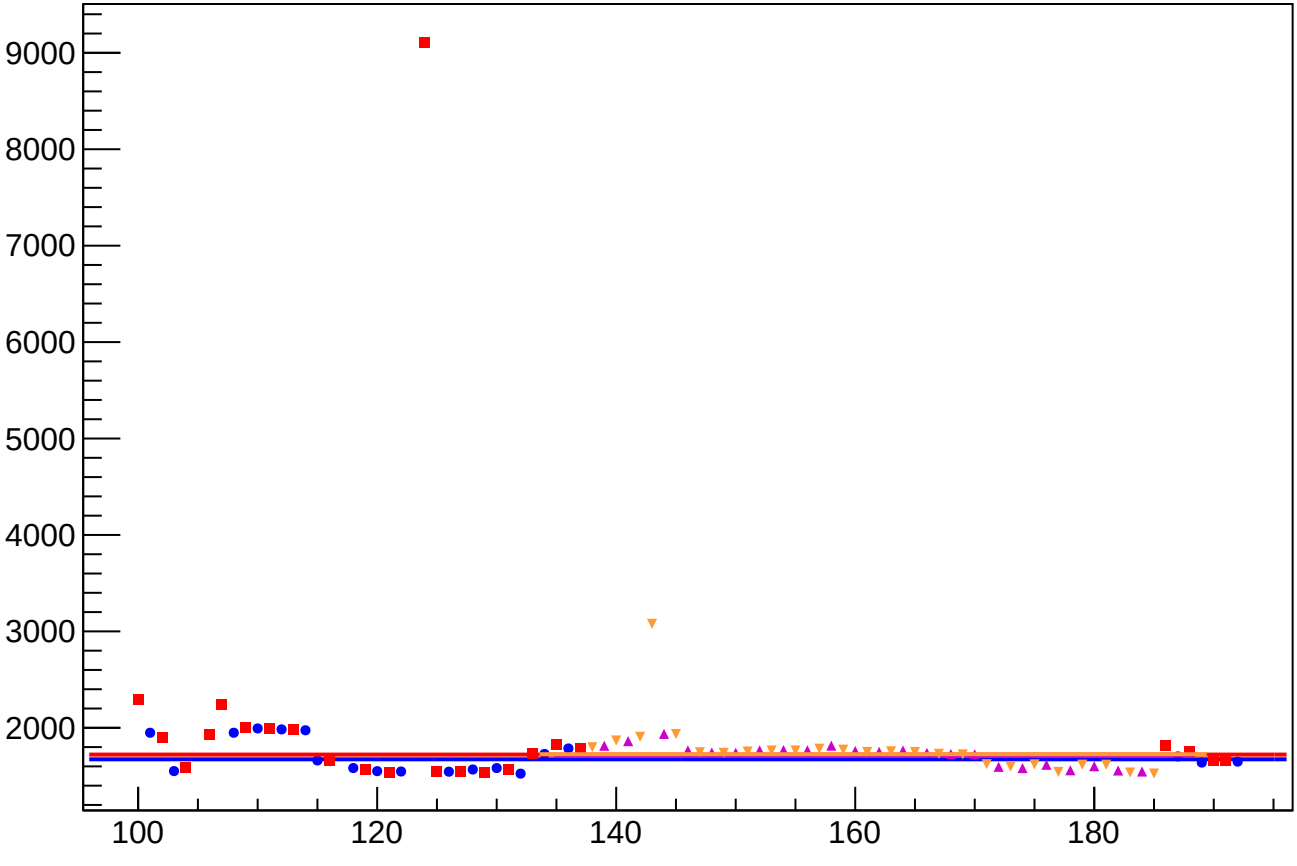
Right: 1664.653+/-400.589 χ^2/NDF: 34.5/41

In: 2116.011+/-326.465 χ^2/NDF:42.5/41

Out: 1042.598+/-324.395 χ^2/NDF:52.7/47

All: 1575.891+/-230.110 χ^2/NDF: 100.6/89

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: 1722.286+/-0.402 χ^2/NDF: 389284.2/22

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

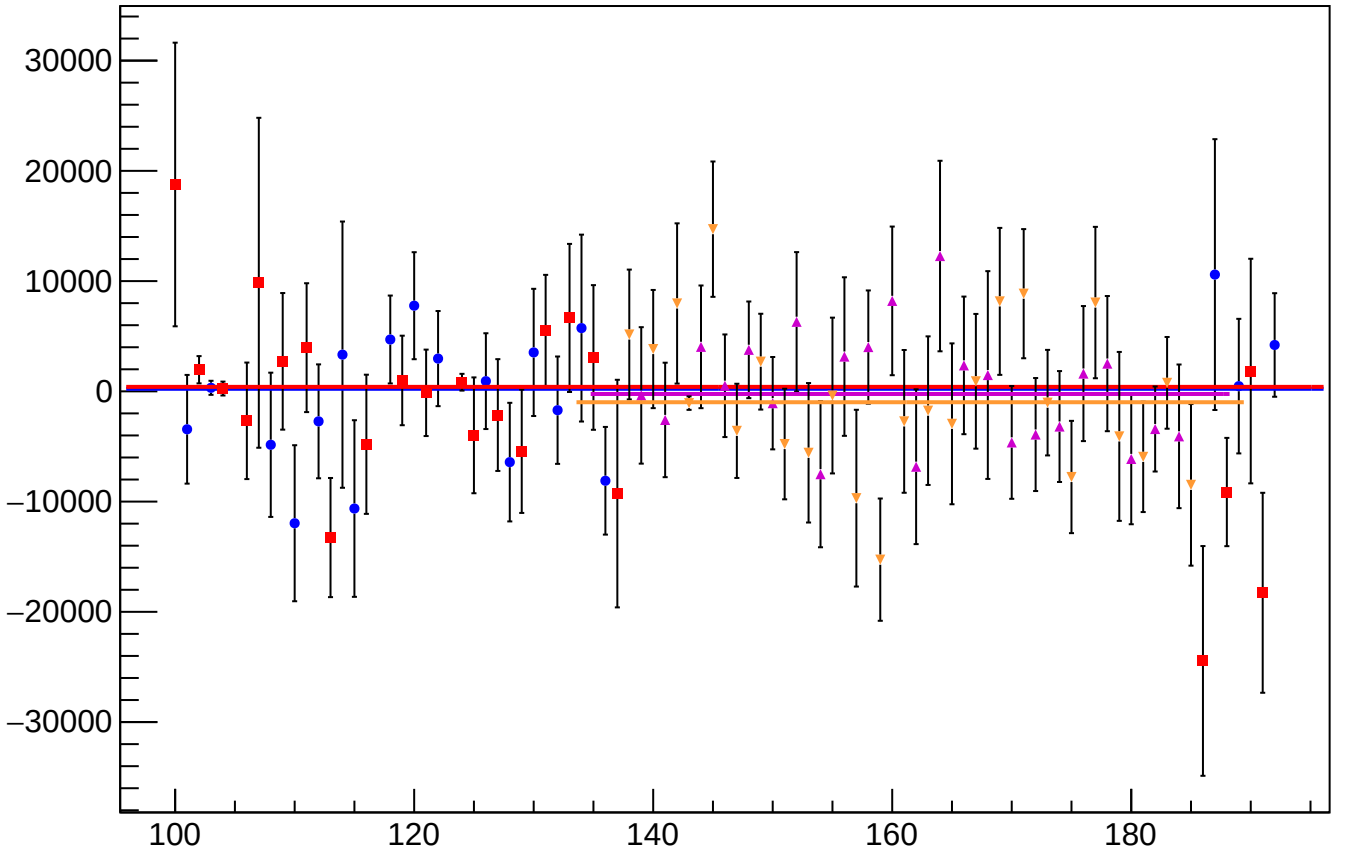
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1697.570+/-0.283 χ^2/NDF: 539375.6/41

In: 1699.757+/-0.231 χ^2/NDF:278534.4/41

Out: 1724.832+/-0.229 χ^2/NDF:844274.5/47

All: 1712.388+/-0.163 χ^2/NDF: 1128752.4/89



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: 406.103+/-427.757 χ^2/NDF: 31.1/22

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

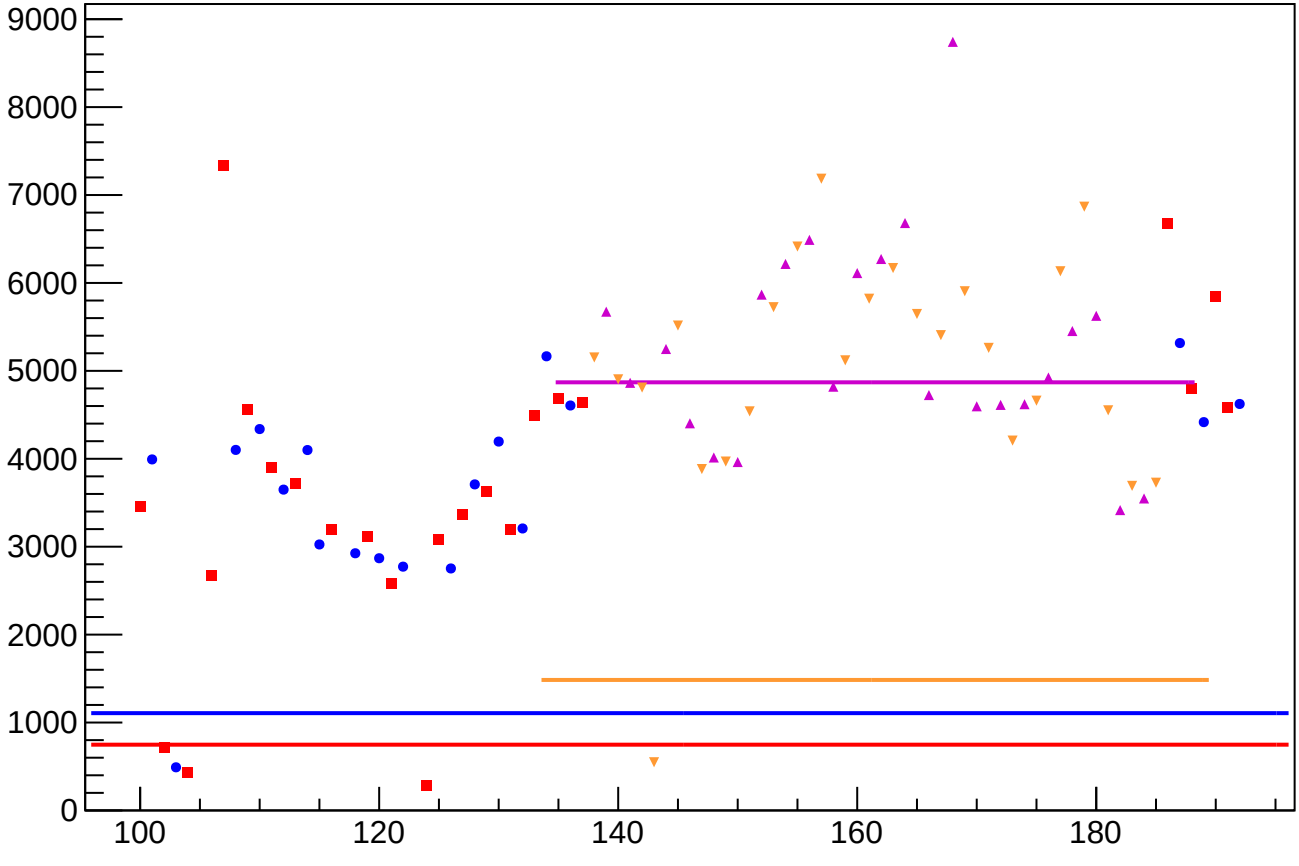
Right: 343.724+/-342.529 χ^2/NDF: 48.4/41

In: 140.661+/-513.340 χ^2/NDF:30.9/41

Out: -129.625+/-335.598 χ^2/NDF:66.0/47

All: -48.696+/-280.897 χ^2/NDF: 97.1/89

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



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: 748.120+/-0.302 χ^2/NDF: 11817886.6/22

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

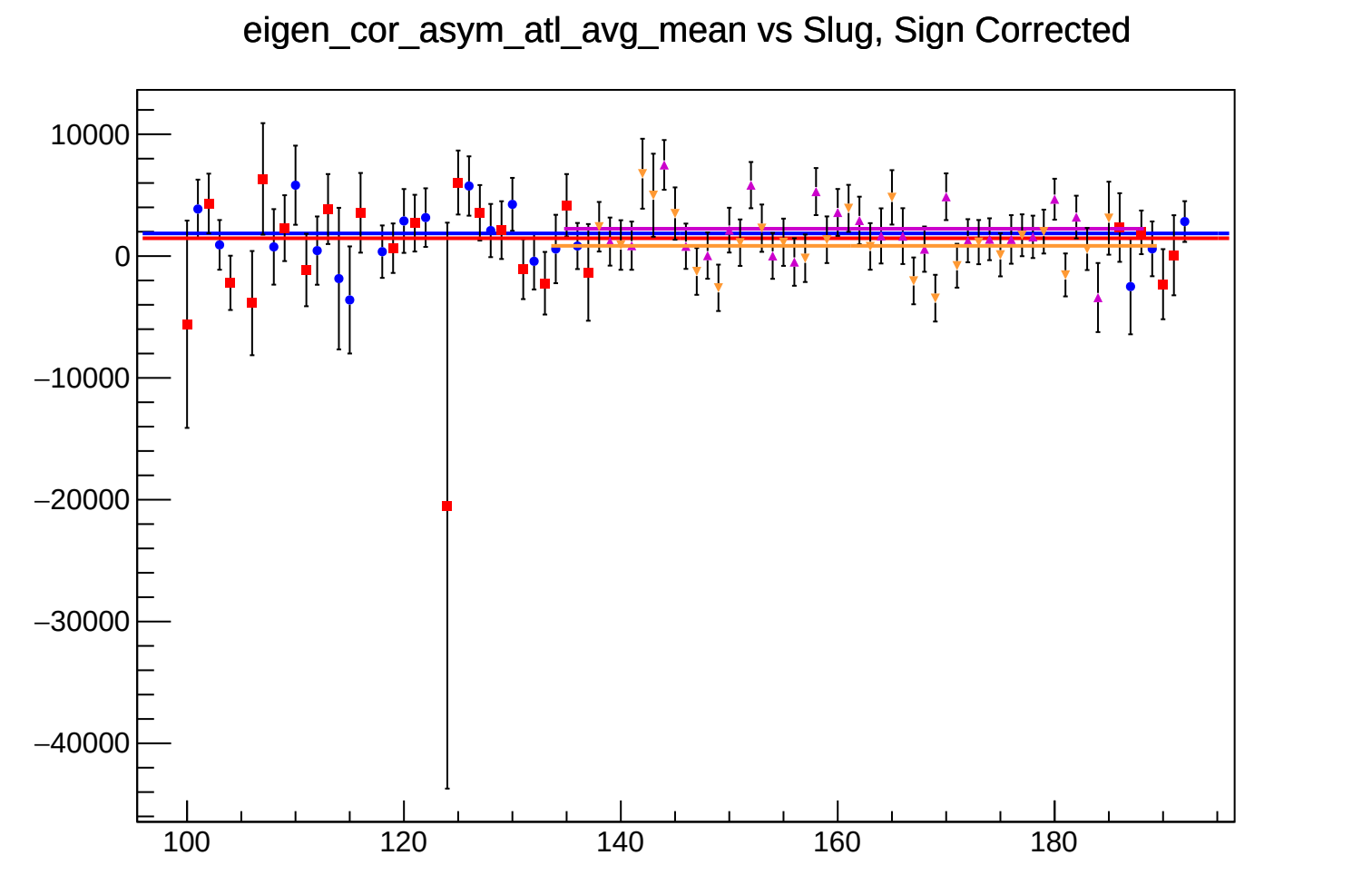
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 876.812+/-0.242 χ^2/NDF: 22541276.8/41

In: 1837.347+/-0.363 χ^2/NDF:28506157.0/41

Out: 1031.235+/-0.237 χ^2/NDF:37322186.6/47

All: 1272.603+/-0.199 χ^2/NDF: 69283490.3/8



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: 1462.728+/-570.221 χ^2/NDF: 21.5/22

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

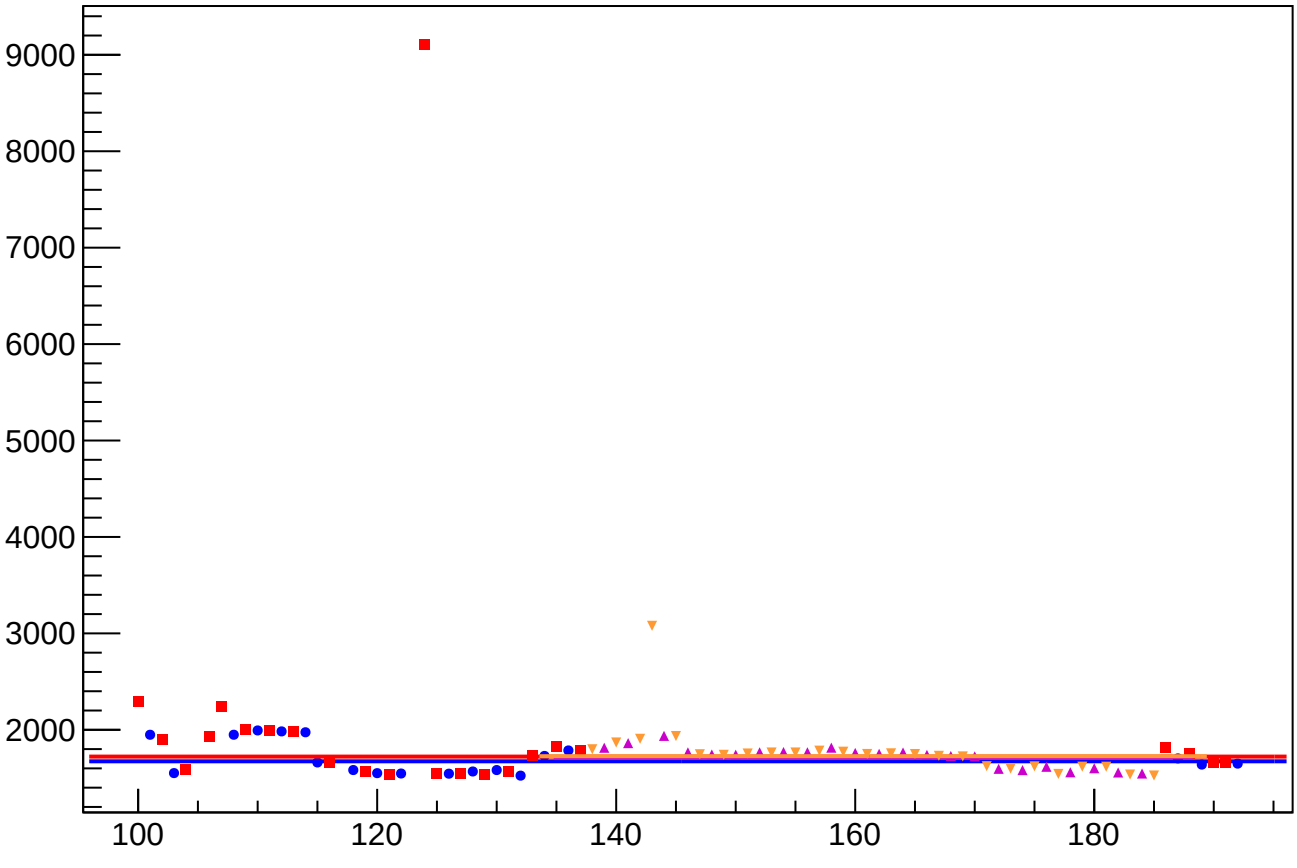
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1664.653+/-400.589 χ^2/NDF: 34.5/41

In: 2116.011+/-326.465 χ^2/NDF:42.5/41

Out: 1042.598+/-324.395 χ^2/NDF:52.7/47

All: 1575.891+/-230.110 χ^2/NDF: 100.6/89



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: 1722.286+/-0.402 χ^2/NDF: 389284.2/22

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

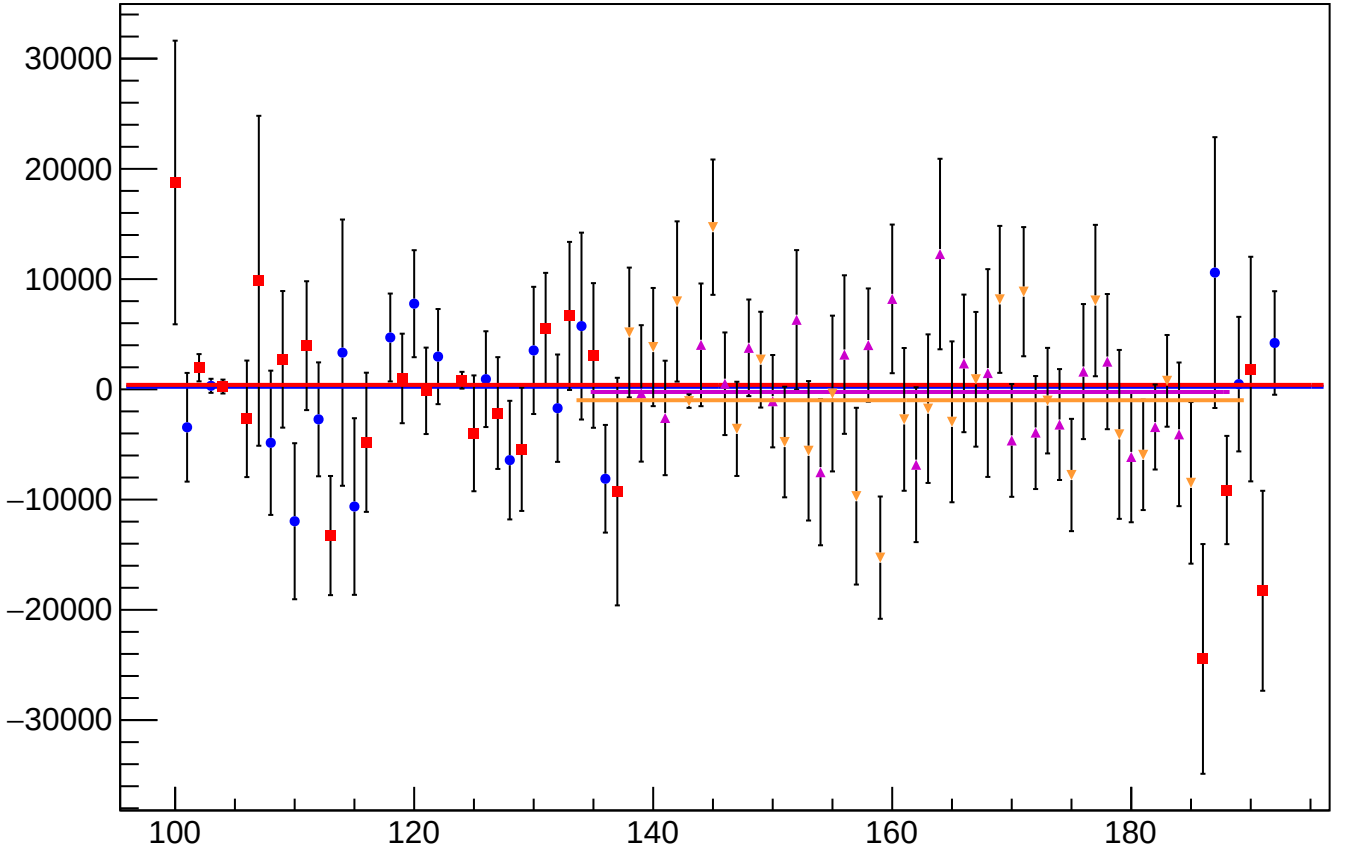
Right: 1697.570+/-0.283 χ^2/NDF: 539375.6/41

In: 1699.757+/-0.231 χ^2/NDF:278534.4/41

Out: 1724.832+/-0.229 χ^2/NDF:844274.5/47

All: 1712.388+/-0.163 χ^2/NDF: 1128752.4/89

asym_atl_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 406.103+/-427.757 χ^2/NDF: 31.1/22

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

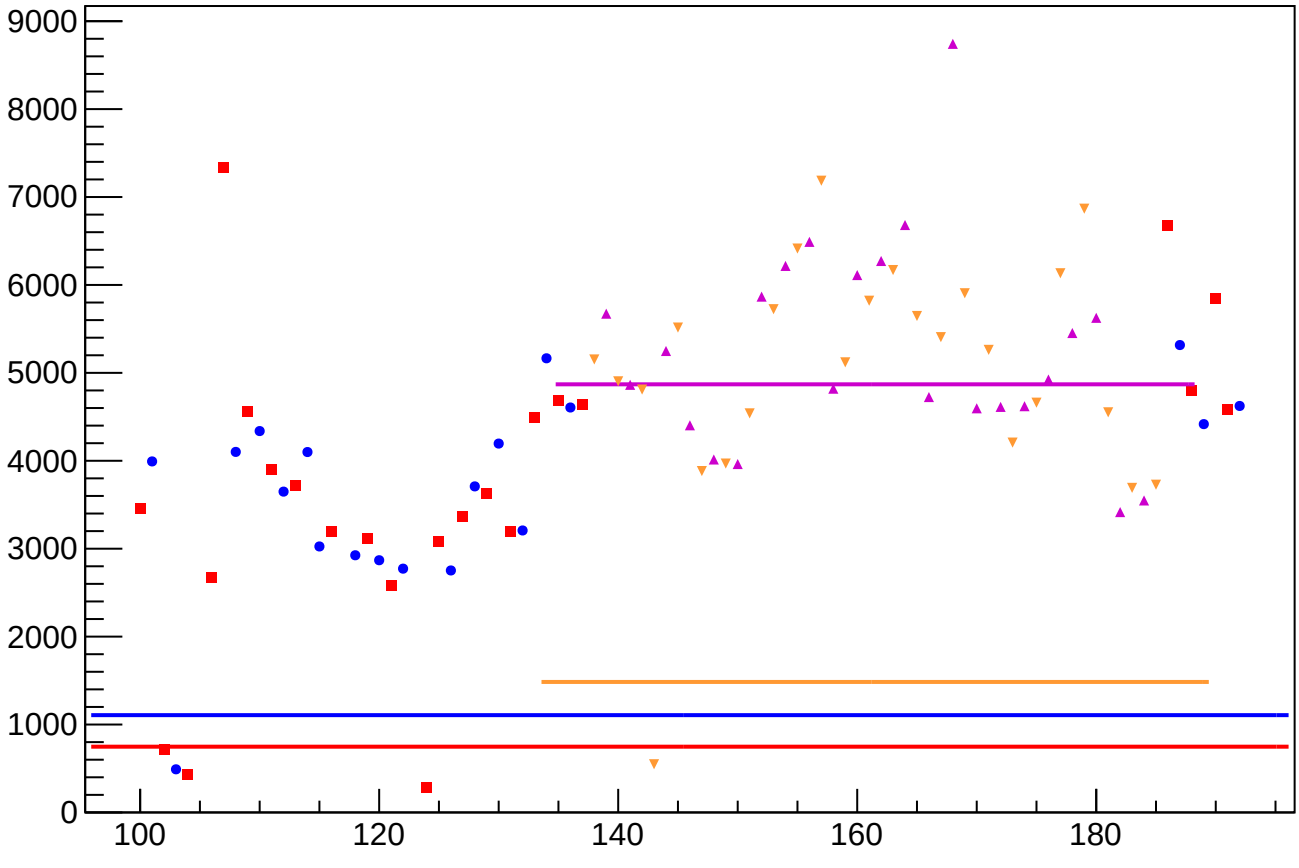
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 343.724+/-342.529 χ^2/NDF: 48.4/41

In: 140.661+/-513.340 χ^2/NDF:30.9/41

Out: -129.625+/-335.598 χ^2/NDF:66.0/47

All: -48.696+/-280.897 χ^2/NDF: 97.1/89



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: 748.120+/-0.302 χ^2/NDF: 11817886.6/22

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

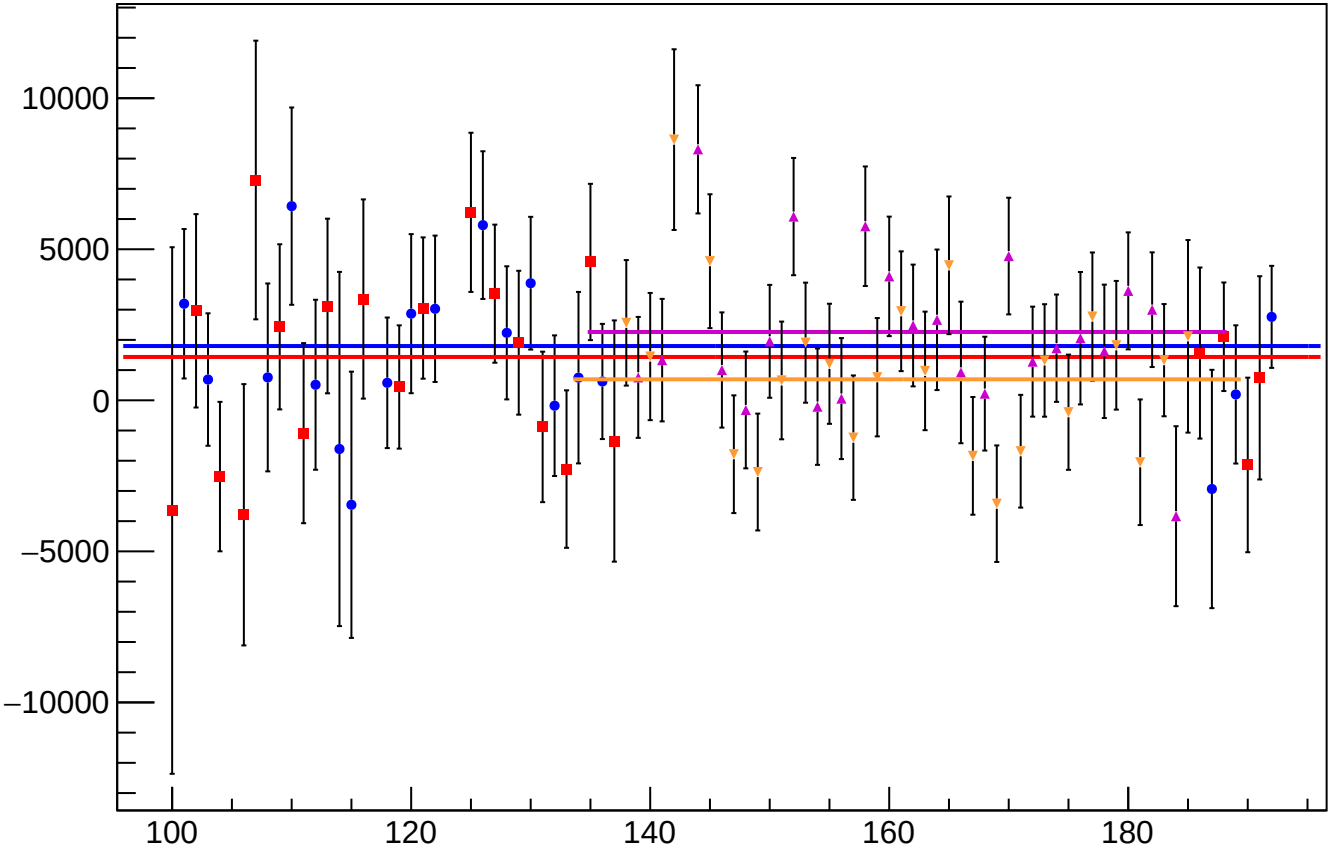
Right: 876.812+/-0.242 χ^2/NDF: 22541276.8/41

In: 1837.347+/-0.363 χ^2/NDF:28506157.0/41

Out: 1031.235+/-0.237 χ^2/NDF:37322186.6/47

All: 1272.603+/-0.199 χ^2/NDF: 69283490.3/8

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: 1434.739+/-584.100 χ^2/NDF: 19.2/21

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

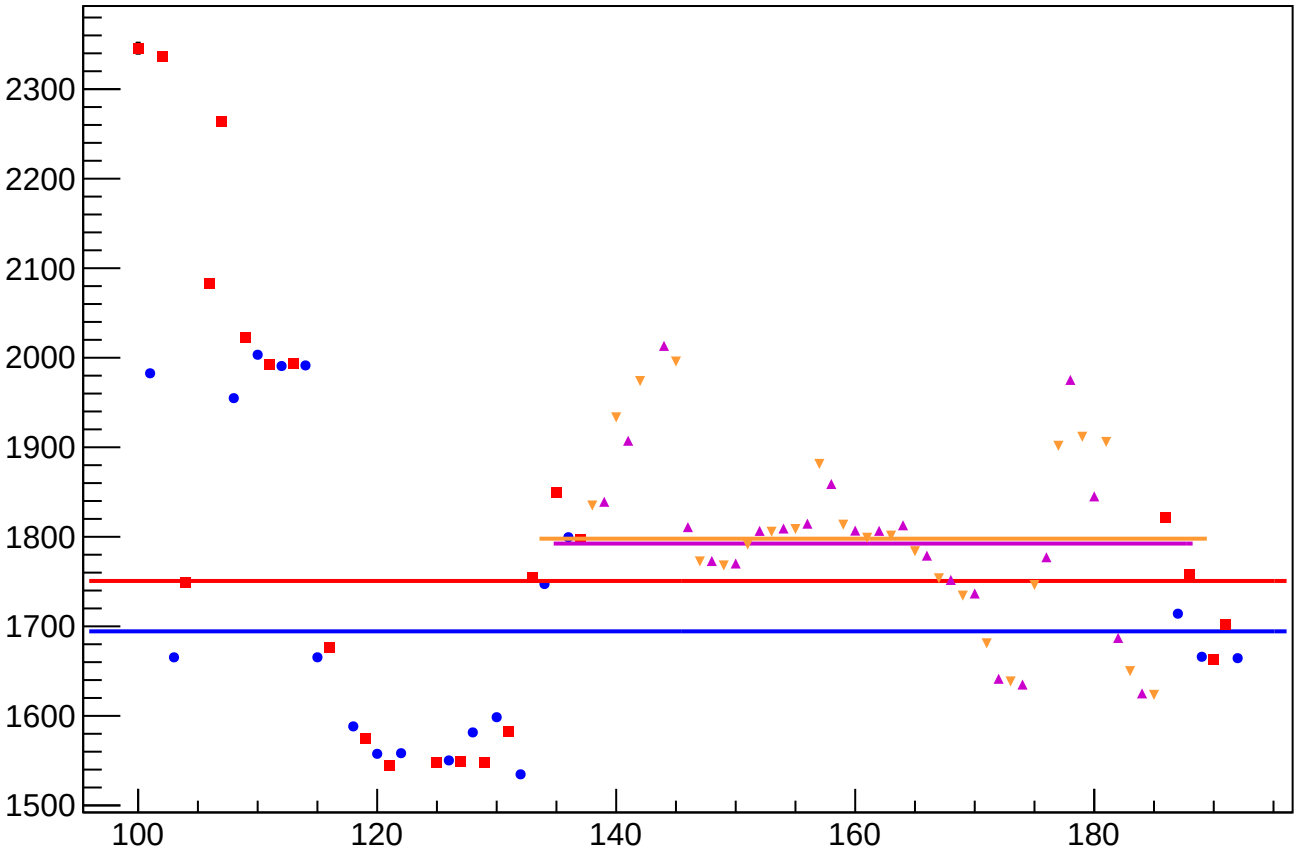
Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

Right: 1619.813+/-408.049 χ^2/NDF: 31.9/40

In: 2098.476+/-337.753 χ^2/NDF:43.4/41

Out: 945.124+/-339.951 χ^2/NDF:52.5/45

All: 1525.542+/-239.601 χ^2/NDF: 101.6/87



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: 1750.691+/-0.412 χ^2/NDF: 251508.3/21

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

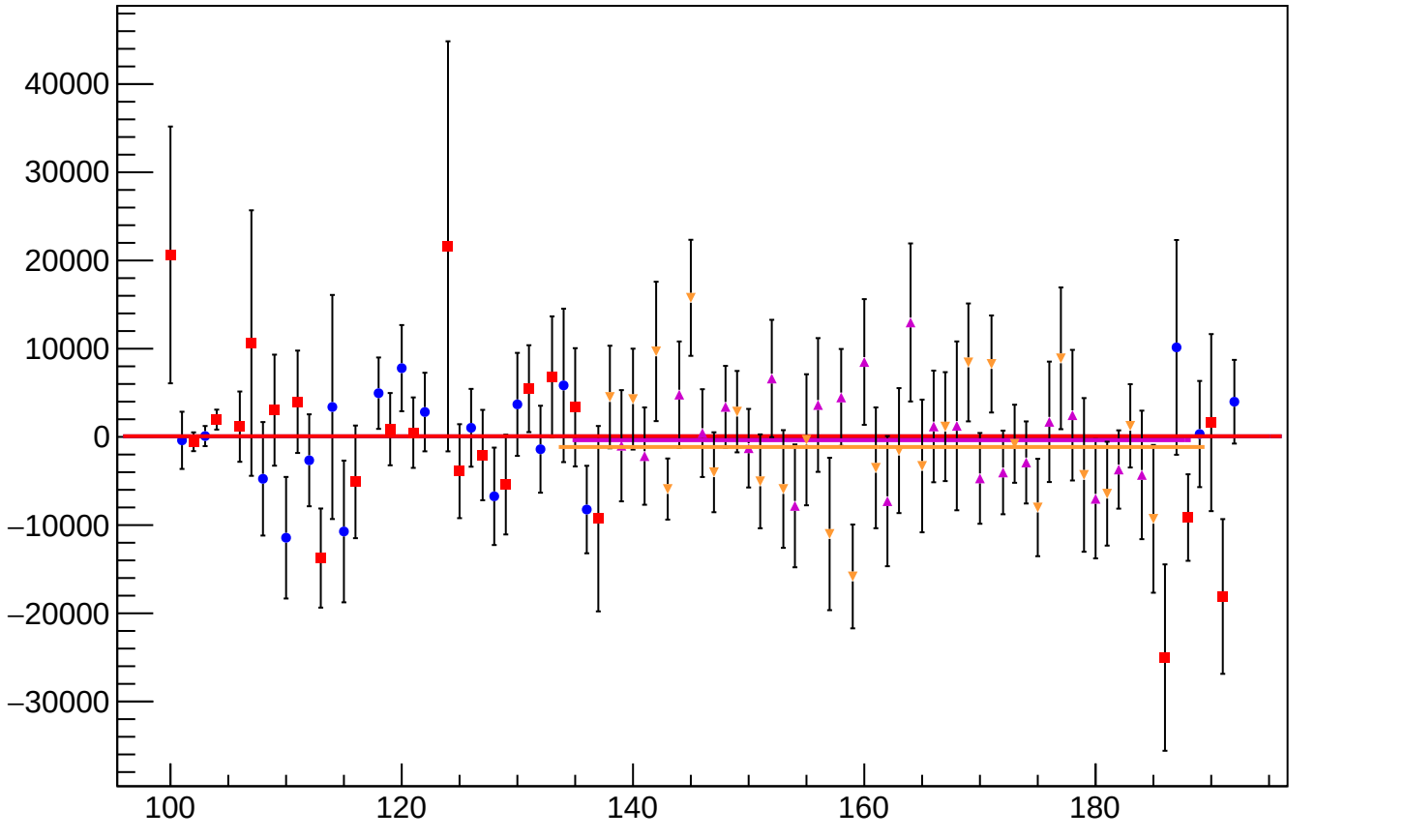
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1721.931+/-0.288 χ^2/NDF: 397610.4/40

In: 1758.064+/-0.239 χ^2/NDF:267826.1/41

Out: 1781.877+/-0.240 χ^2/NDF:358173.7/45

All: 1769.900+/-0.169 χ^2/NDF: 630941.4/87



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: 77.142+/-667.938 χ^2/NDF: 32.3/22

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

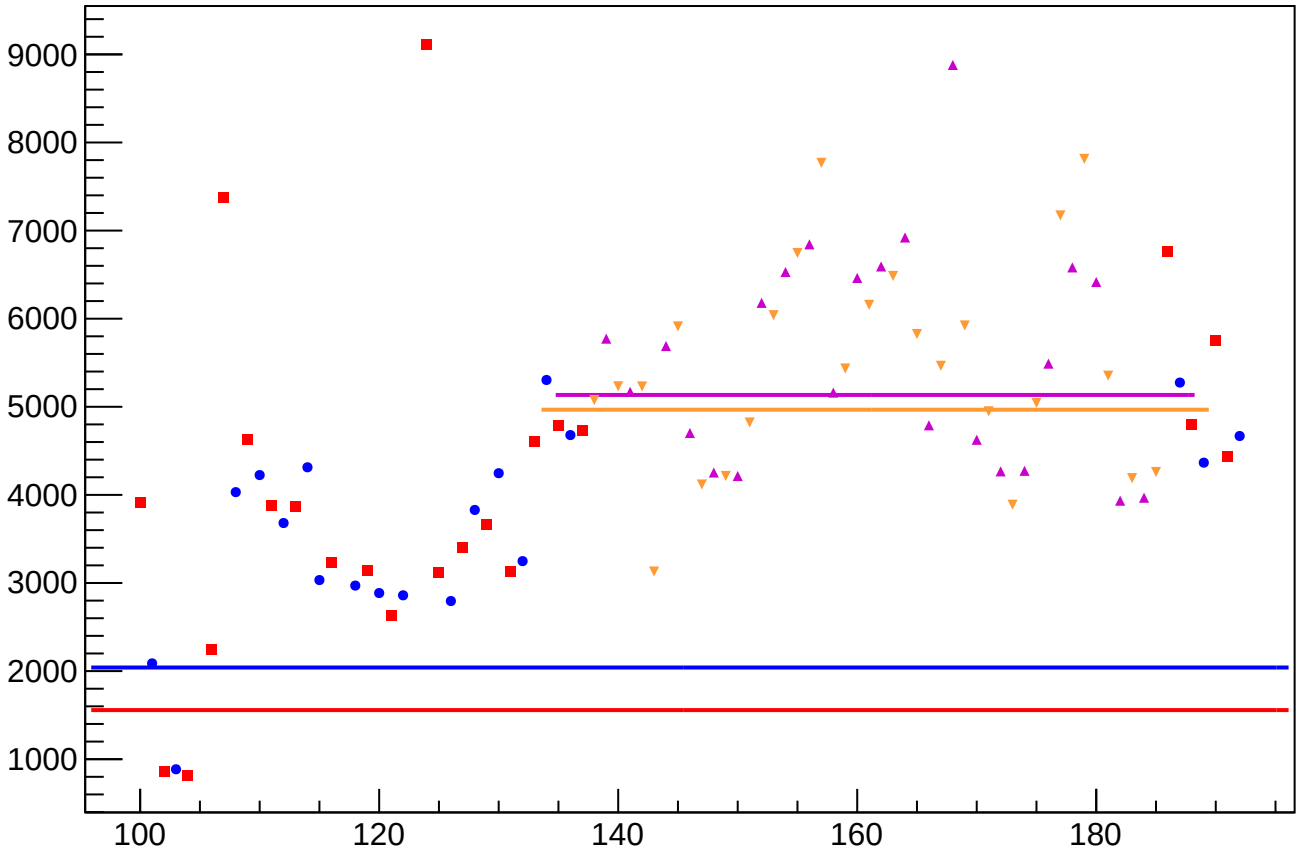
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

Right: 71.506+/-523.525 χ^2/NDF: 48.8/41

In: -77.486+/-695.128 χ^2/NDF:29.9/41

Out: -225.273+/-579.389 χ^2/NDF:65.7/47

All: -164.690+/-445.062 χ^2/NDF: 95.6/89



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: 1557.299+/-0.472 χ^2/NDF: 7953175.5/22

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

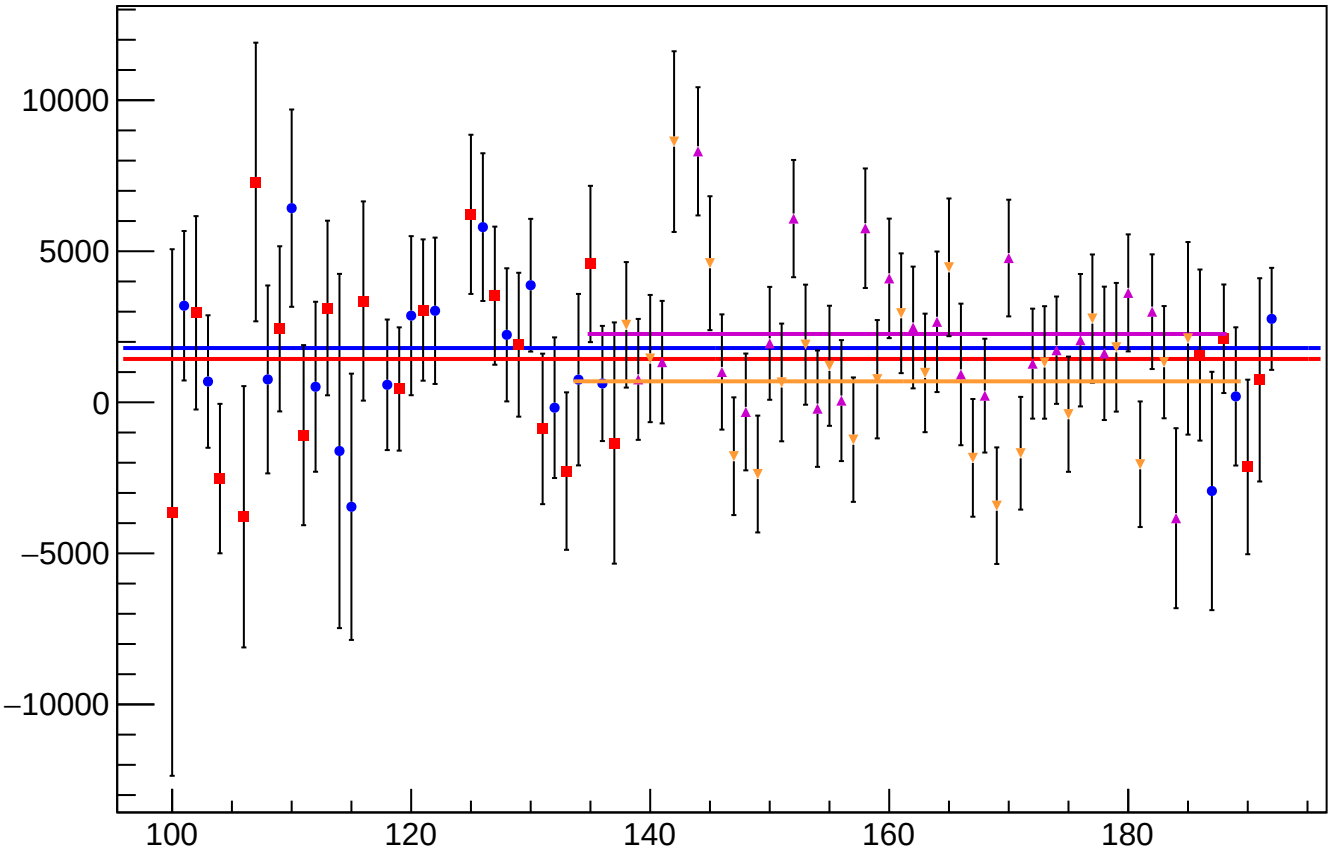
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 1743.707+/-0.370 χ^2/NDF: 13897895.8/41

In: 3030.857+/-0.492 χ^2/NDF:15649597.6/41

Out: 2401.398+/-0.410 χ^2/NDF:22772959.7/47

All: 2659.433+/-0.315 χ^2/NDF: 39390249.4/8



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: 1434.737+/-584.099 χ^2/NDF: 19.2/21

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

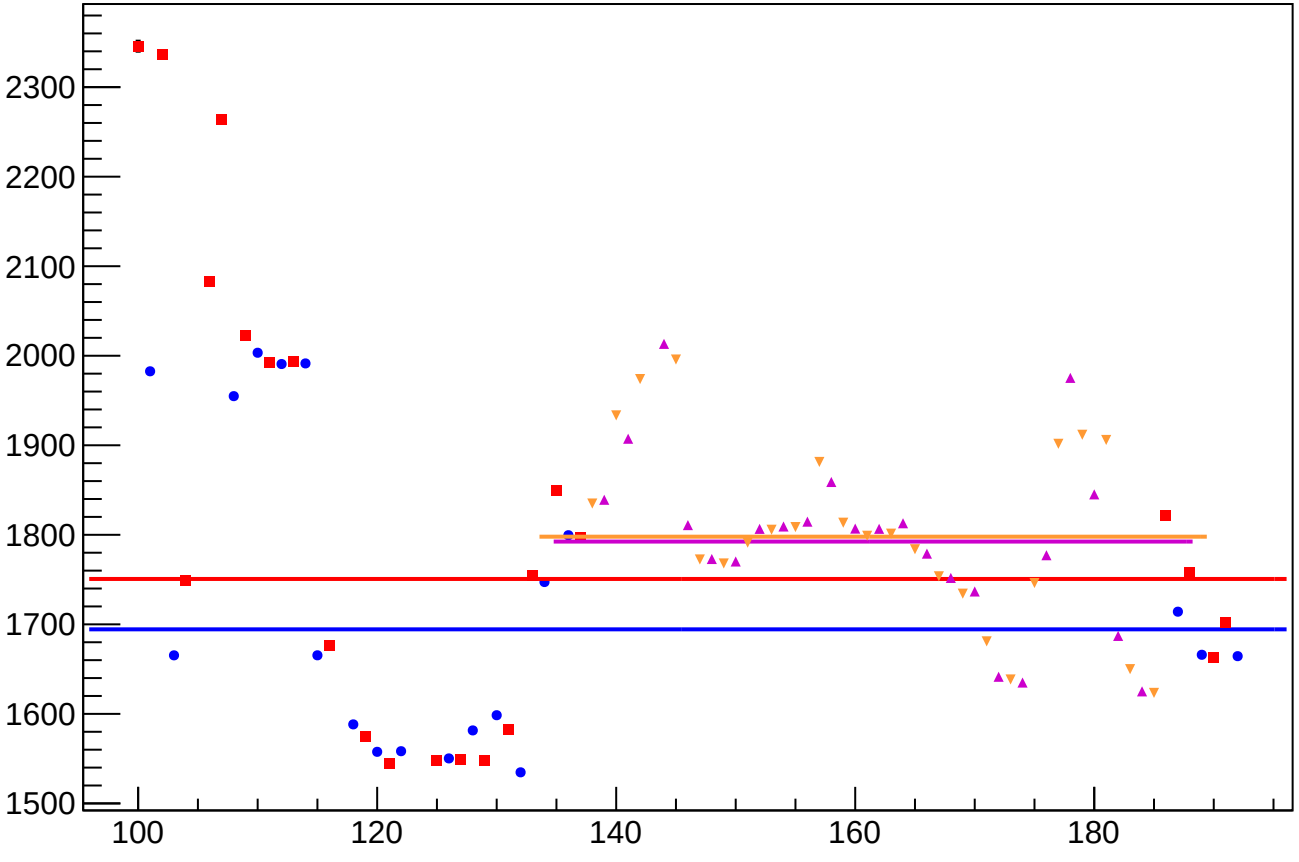
Right: 1619.812+/-408.049 χ^2/NDF: 31.9/40

In: 2098.475+/-337.753 χ^2/NDF:43.4/41

Out: 945.120+/-339.952 χ^2/NDF:52.5/45

All: 1525.540+/-239.601 χ^2/NDF: 101.6/87

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: 1750.690+/-0.412 χ^2/NDF: 251507.8/21

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

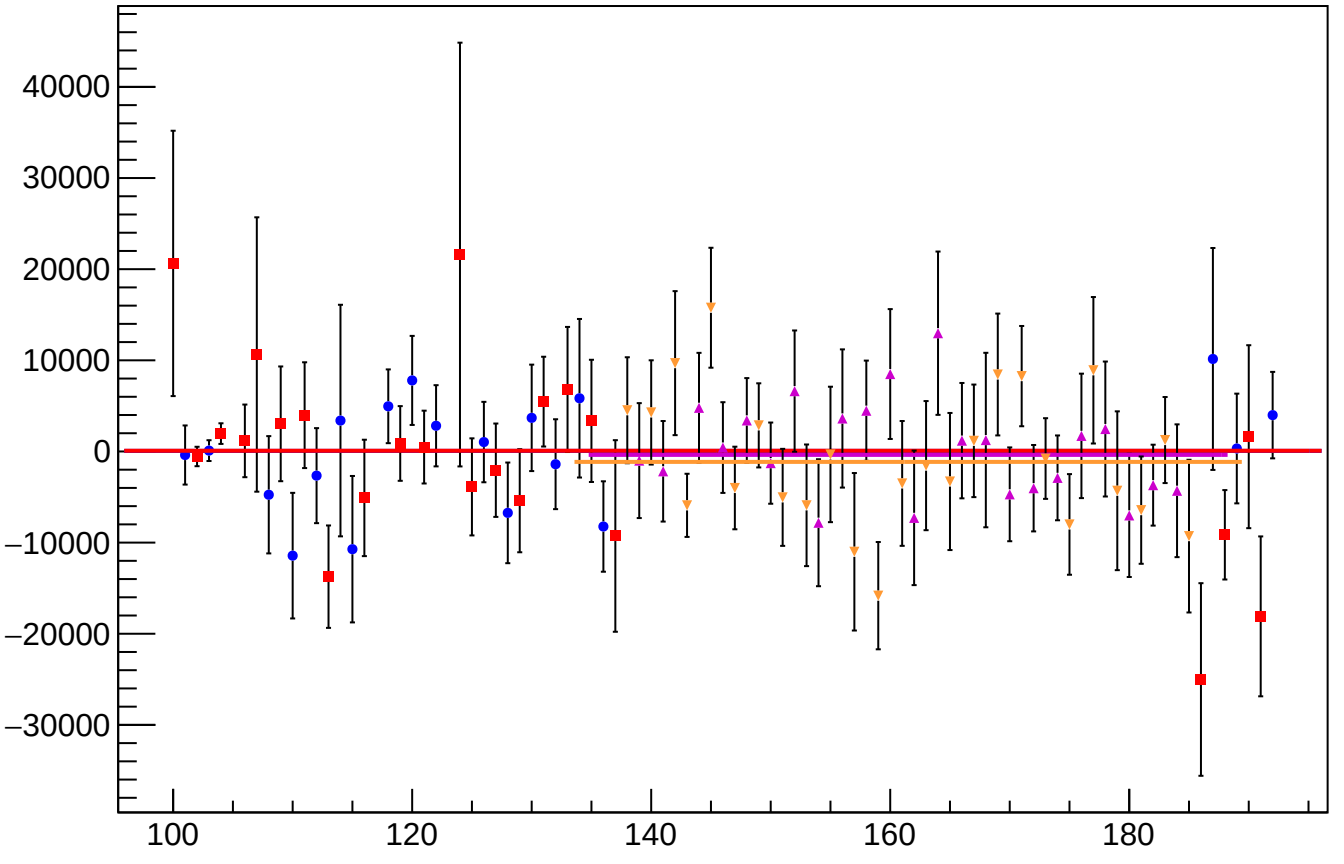
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

Right: 1721.930+/-0.288 χ^2/NDF: 397610.1/40

In: 1758.065+/-0.239 χ^2/NDF:267830.8/41

Out: 1781.878+/-0.240 χ^2/NDF:358177.2/45

All: 1769.901+/-0.169 χ^2/NDF: 630949.6/87



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: 77.146+/-667.933 χ^2/NDF: 32.3/22

Left In: -374.928+/-1228.701 χ^2/NDF:13.3/22

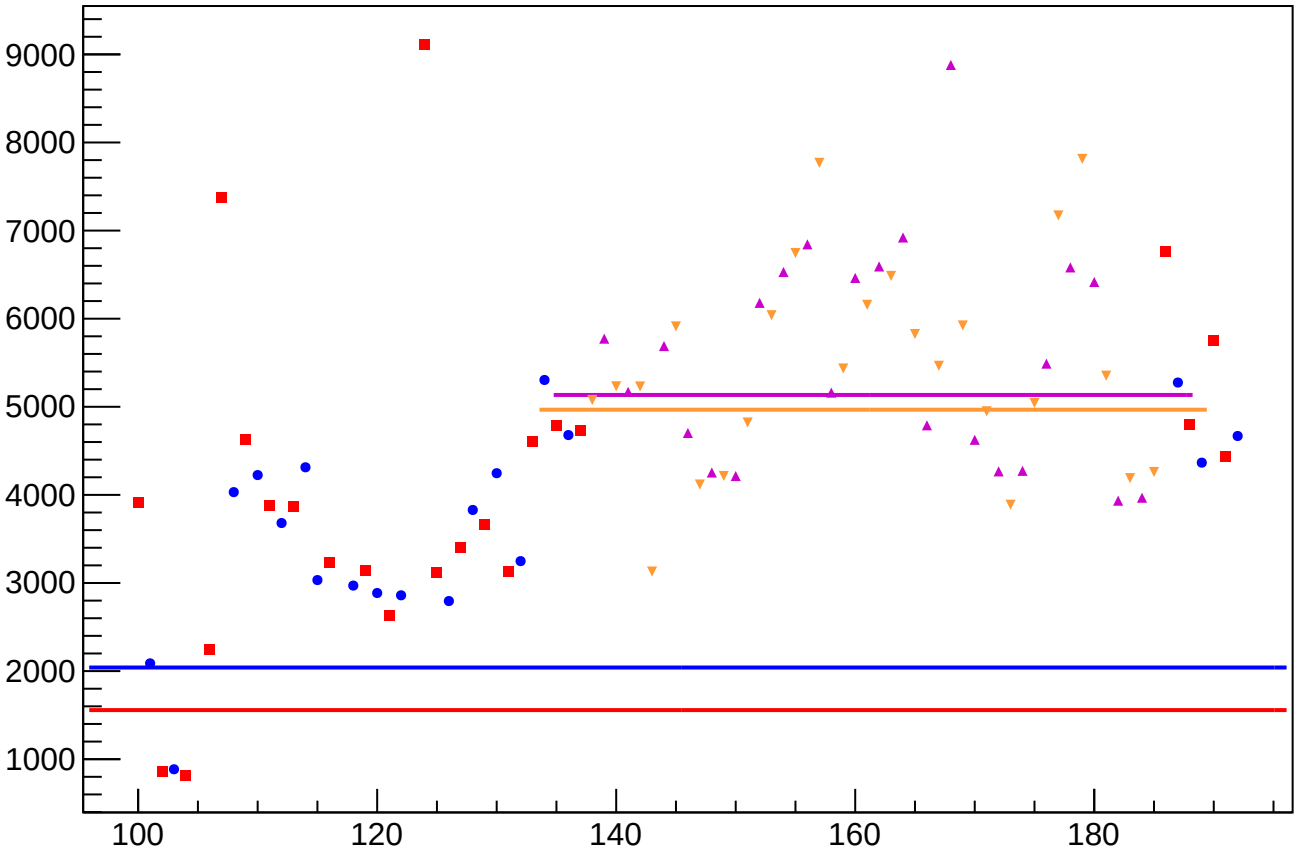
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: 71.509+/-523.522 χ^2/NDF: 48.8/41

In: -77.483+/-695.126 χ^2/NDF:29.9/41

Out: -225.267+/-579.386 χ^2/NDF:65.7/47

All: -164.686+/-445.060 χ^2/NDF: 95.6/89



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: 1557.284+/-0.472 χ^2/NDF: 7953225.8/22

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

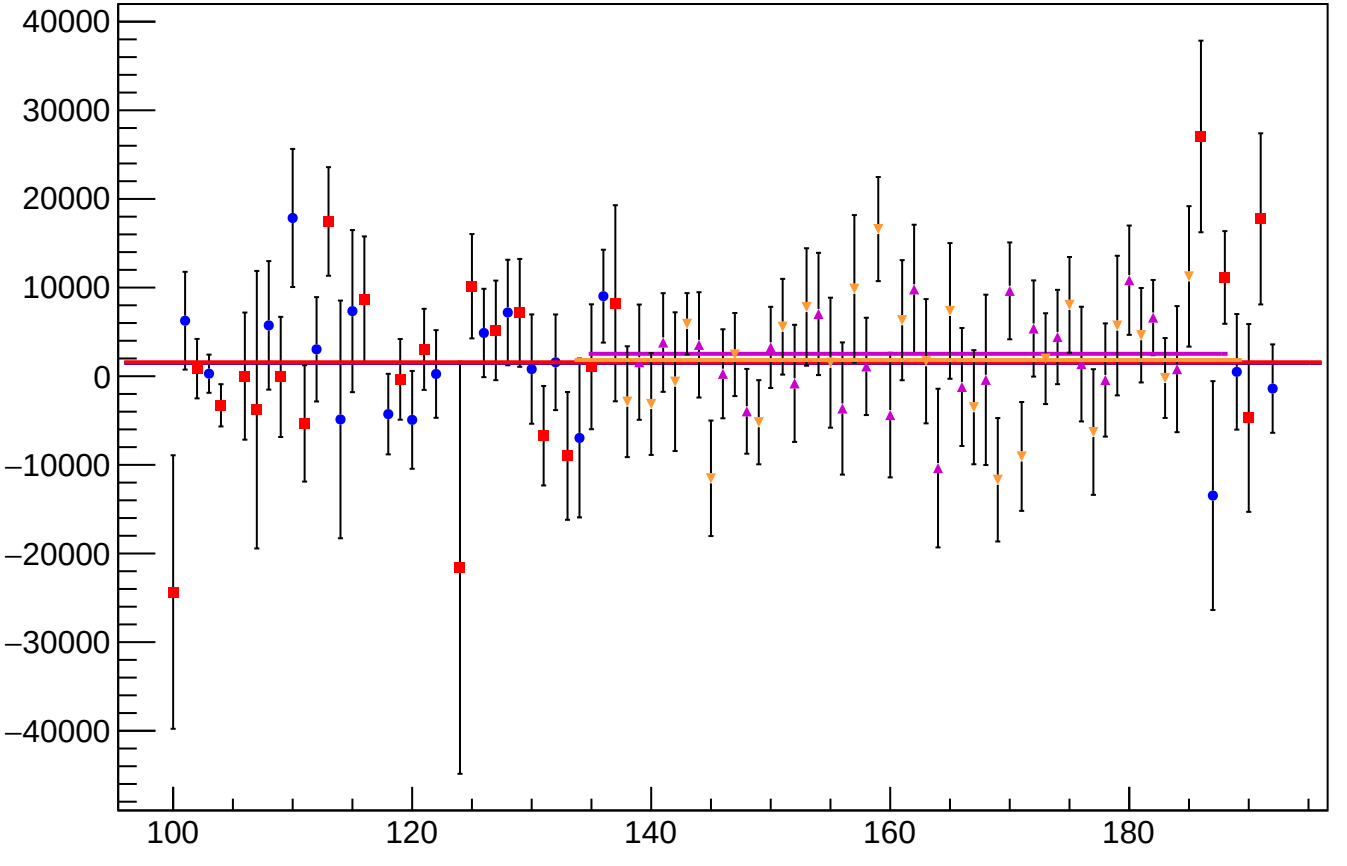
Right: 1743.691+/-0.370 χ^2/NDF: 13898001.2/41

In: 3030.837+/-0.492 χ^2/NDF:15649811.9/41

Out: 2401.377+/-0.410 χ^2/NDF:22773199.7/47

All: 2659.413+/-0.315 χ^2/NDF: 39390714.4/8

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: 1570.017+/-1183.816 χ^2/NDF: 37.5/22

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

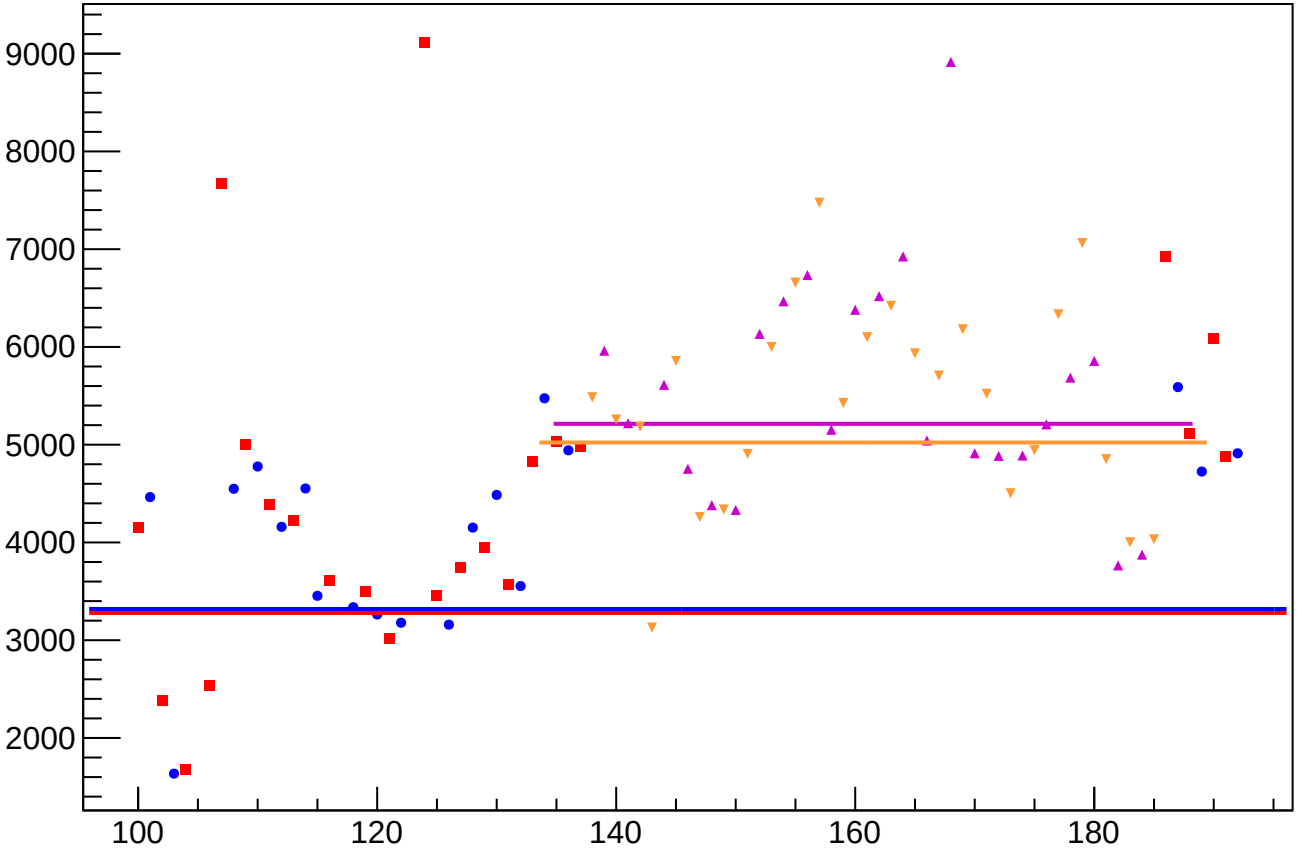
Right: 1536.311+/-840.971 χ^2/NDF: 53.1/41

In: 1995.861+/-861.099 χ^2/NDF:29.1/41

Out: 1699.342+/-833.047 χ^2/NDF:68.6/47

All: 1842.693+/-598.725 χ^2/NDF: 97.8/89

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: 3279.068+/-0.825 χ^2/NDF: 2610363.3/22

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

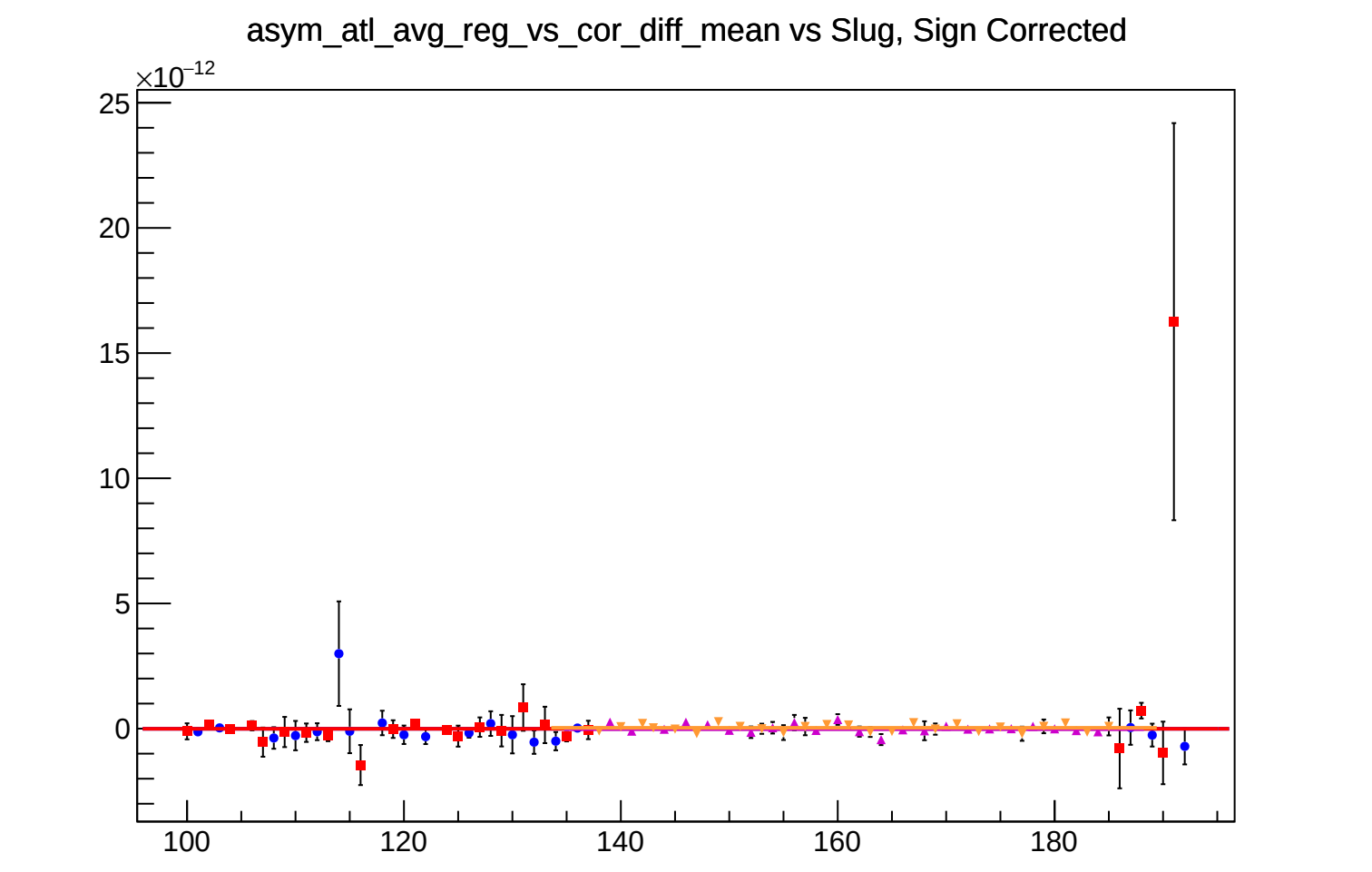
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

Right: 3298.861+/-0.590 χ^2/NDF: 4892071.8/41

In: 4229.980+/-0.609 χ^2/NDF:5919076.0/41

Out: 4146.663+/-0.585 χ^2/NDF:6508134.6/47

All: 4186.646+/-0.422 χ^2/NDF: 12436949.1/8



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: 25.4/22

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

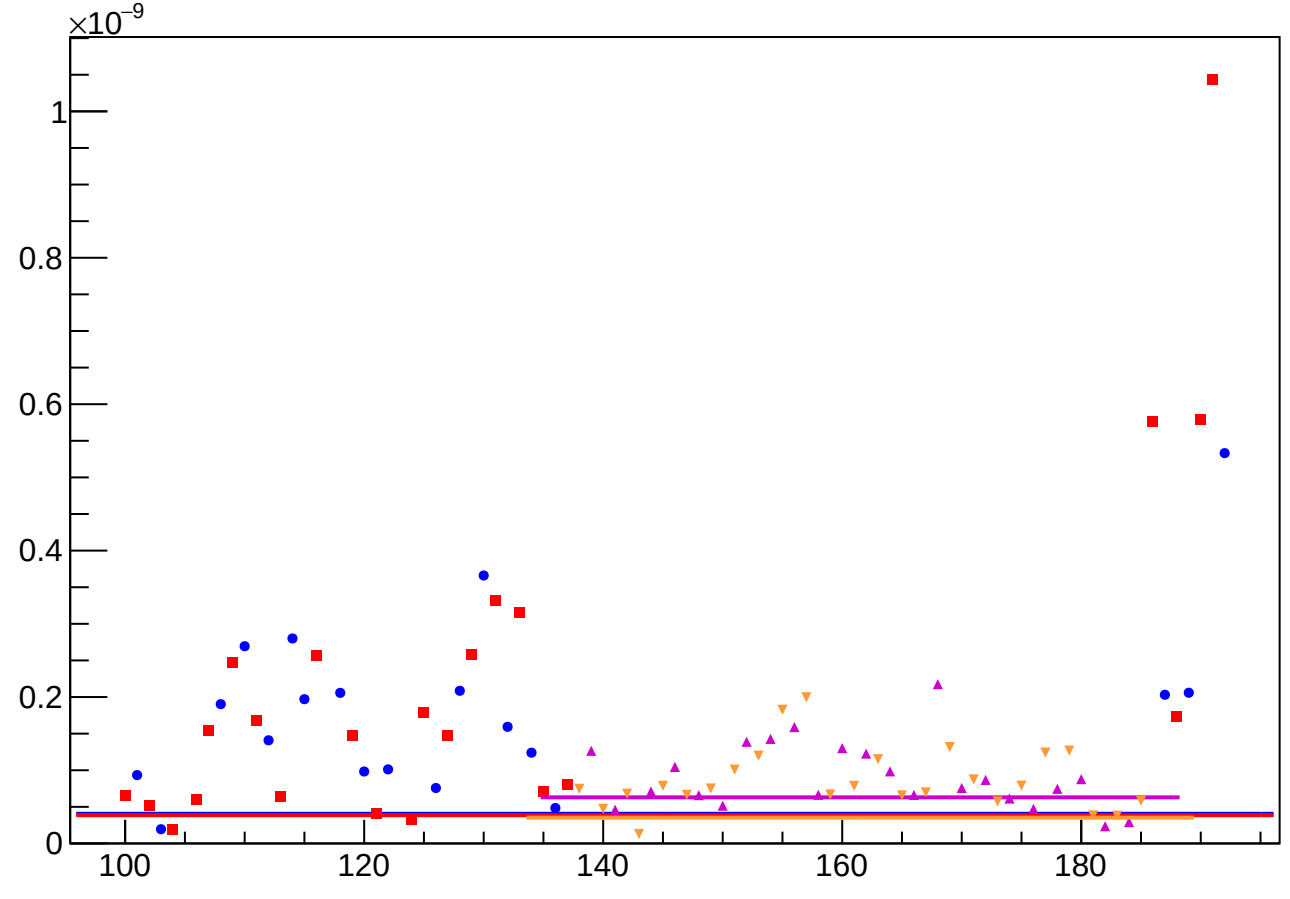
Left: 0.000+/-0.000 χ^2/NDF: 46.3/47

Right: -0.000+/-0.000 χ^2/NDF: 37.3/41

In: -0.000+/-0.000 χ^2/NDF:31.1/41

Out: 0.000+/-0.000 χ^2/NDF:51.5/47

All: 0.000+/-0.000 χ^2/NDF: 84.4/89



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: 3700619.2/22

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

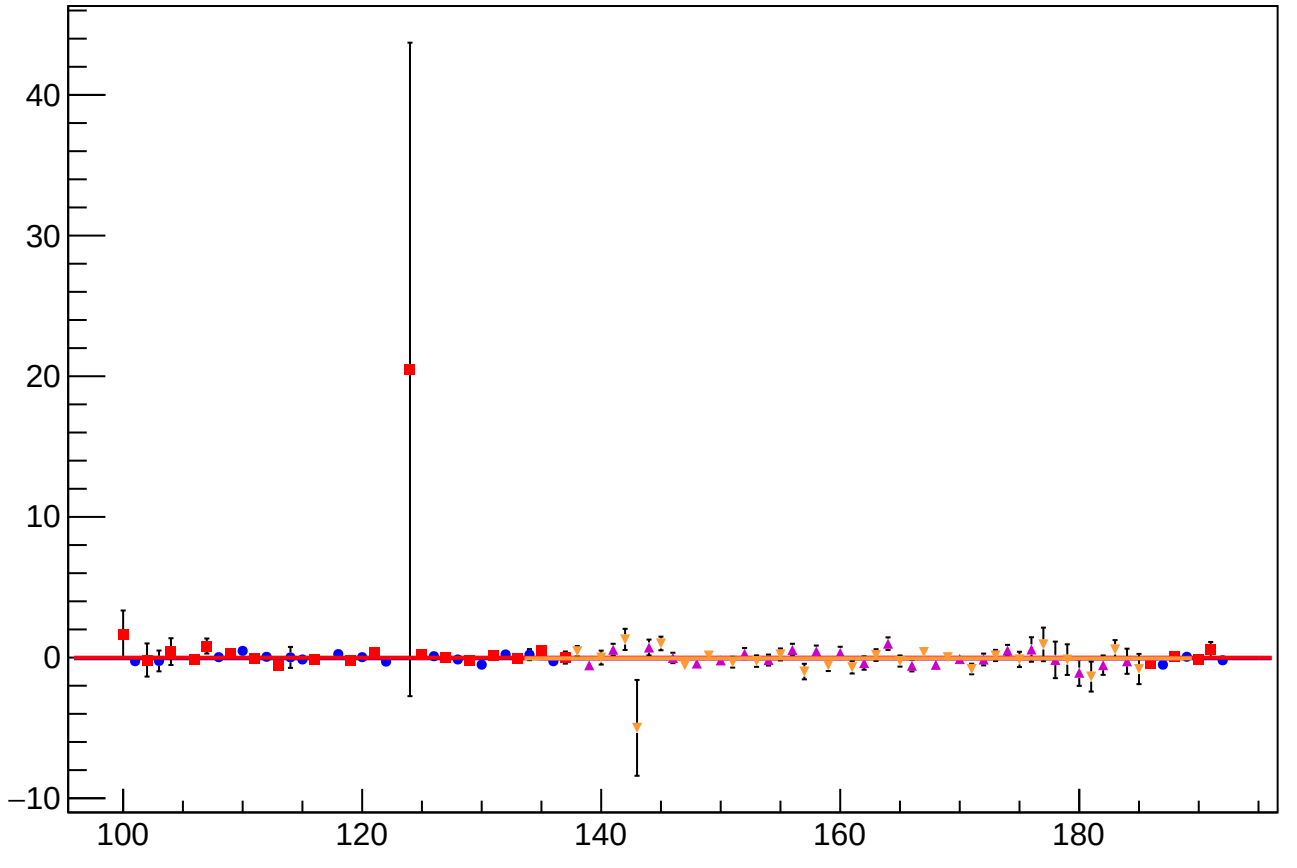
Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

Right: 0.000+/-0.000 χ^2/NDF: 7910337.2/41

In: 0.000+/-0.000 χ^2/NDF:7670388.6/41

Out: 0.000+/-0.000 χ^2/NDF:10227806.9/47

All: 0.000+/-0.000 χ^2/NDF: 18795495.2/89



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: -0.007+/-0.045 χ^2/NDF: 27.8/22

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

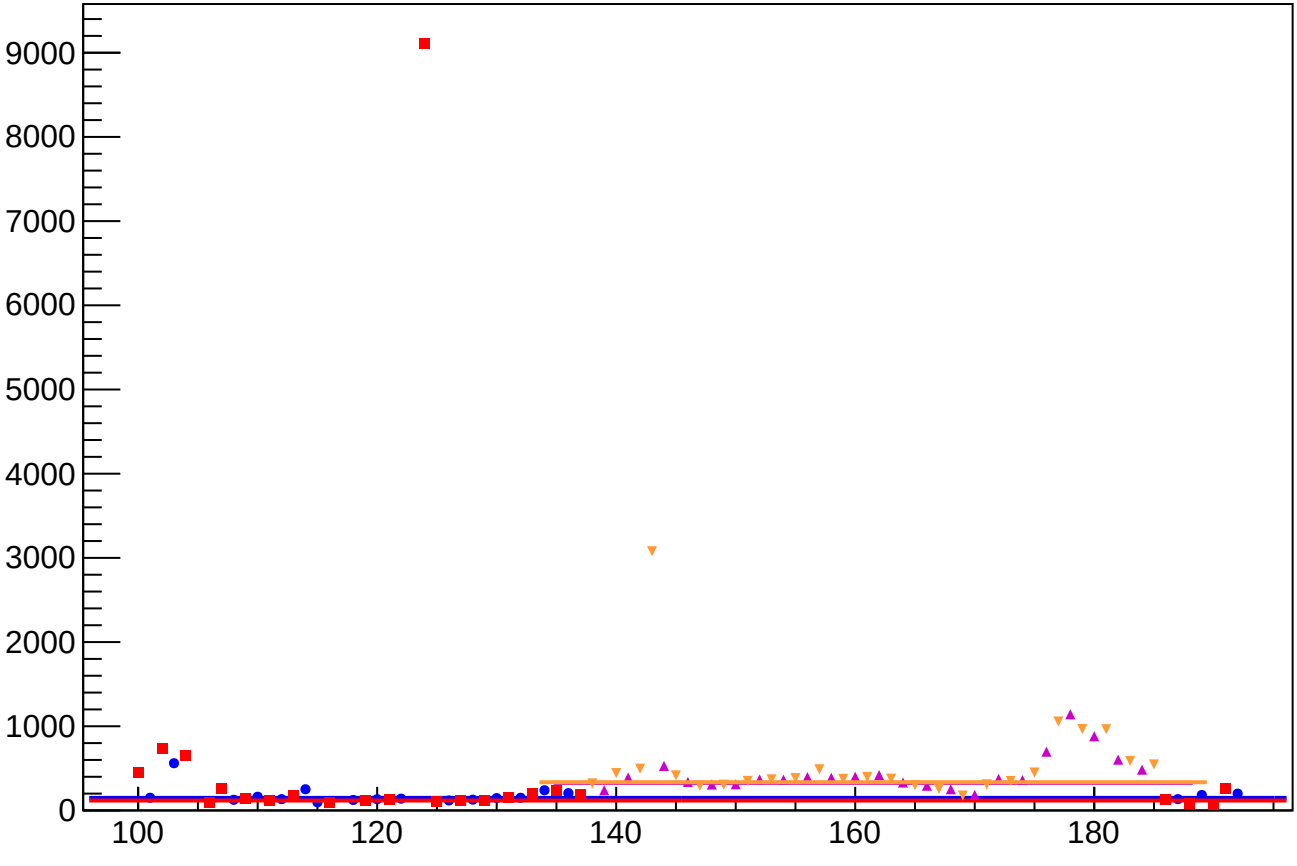
Right: -0.024+/-0.035 χ^2/NDF: 48.1/41

In: -0.054+/-0.045 χ^2/NDF:48.0/41

Out: -0.017+/-0.040 χ^2/NDF:61.1/47

All: -0.033+/-0.030 χ^2/NDF: 109.5/89

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: 118.000+/-0.032 χ^2/NDF: 2932321.5/22

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

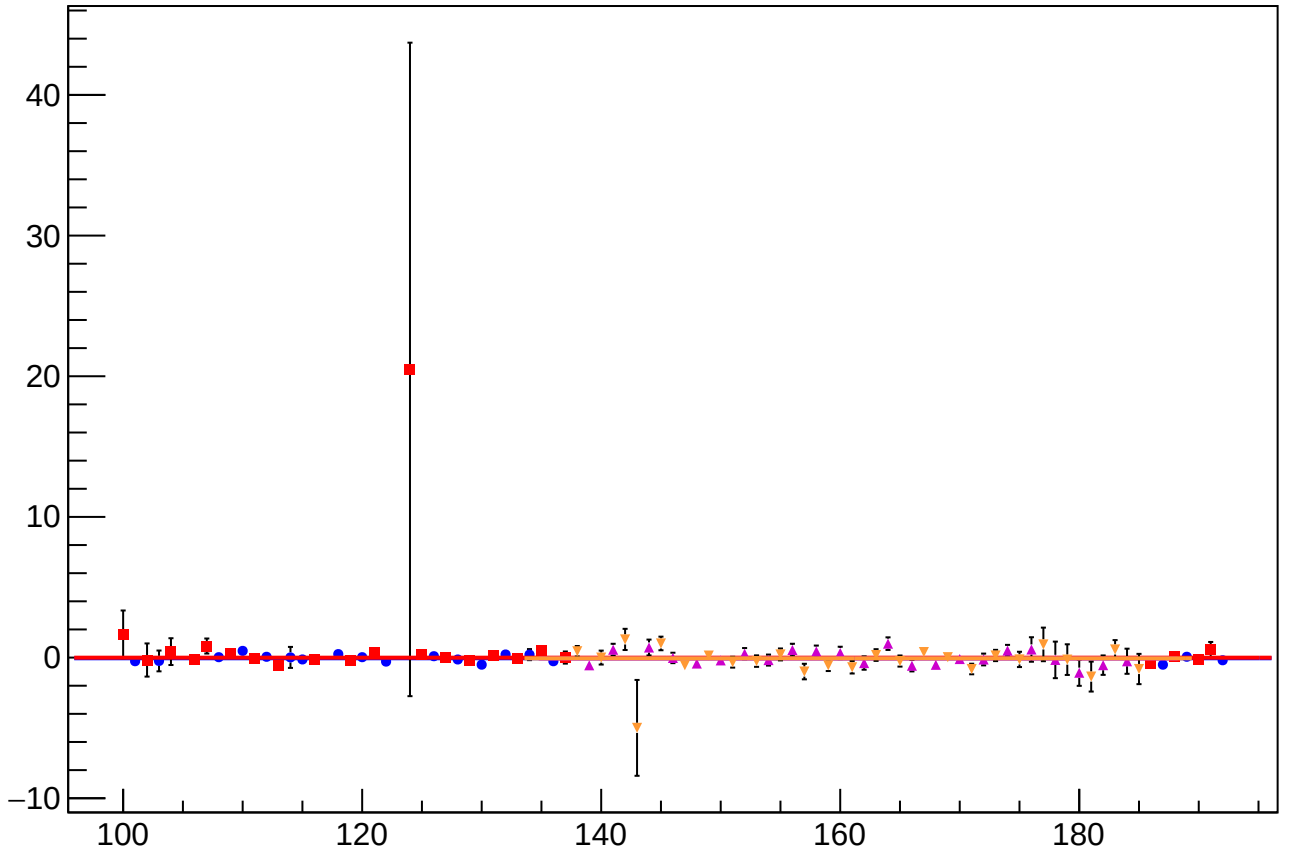
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 130.855+/-0.024 χ^2/NDF: 4627182.4/41

In: 202.291+/-0.032 χ^2/NDF:11977451.3/41

Out: 165.872+/-0.028 χ^2/NDF:19055642.6/47

All: 181.774+/-0.021 χ^2/NDF: 31767078.6/89



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: -0.007+/-0.045 χ^2/NDF: 27.8/22

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

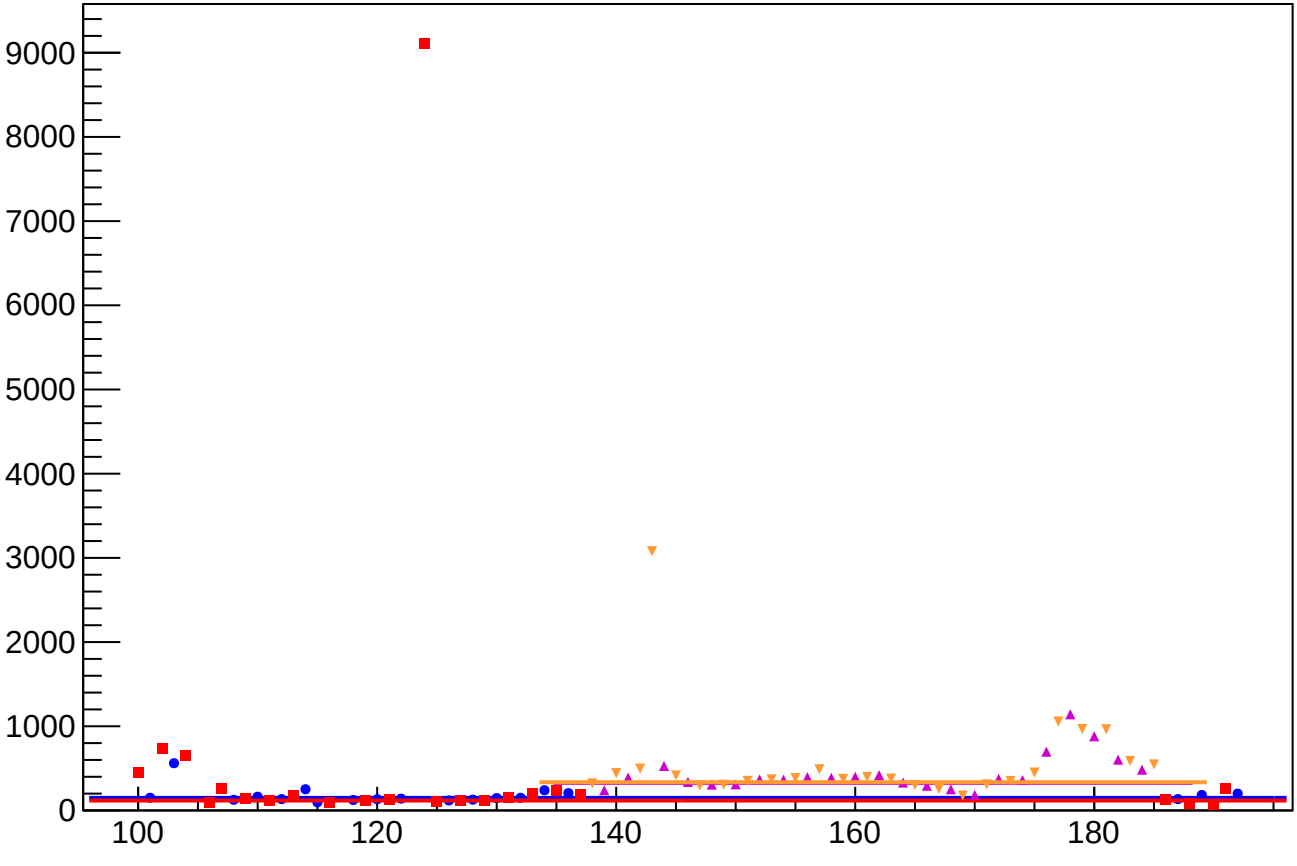
Right: -0.024+/-0.035 χ^2/NDF: 48.1/41

In: -0.054+/-0.045 χ^2/NDF:48.0/41

Out: -0.017+/-0.040 χ^2/NDF:61.1/47

All: -0.033+/-0.030 χ^2/NDF: 109.5/89

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: 118.000+/-0.032 χ^2/NDF: 2932321.5/22

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

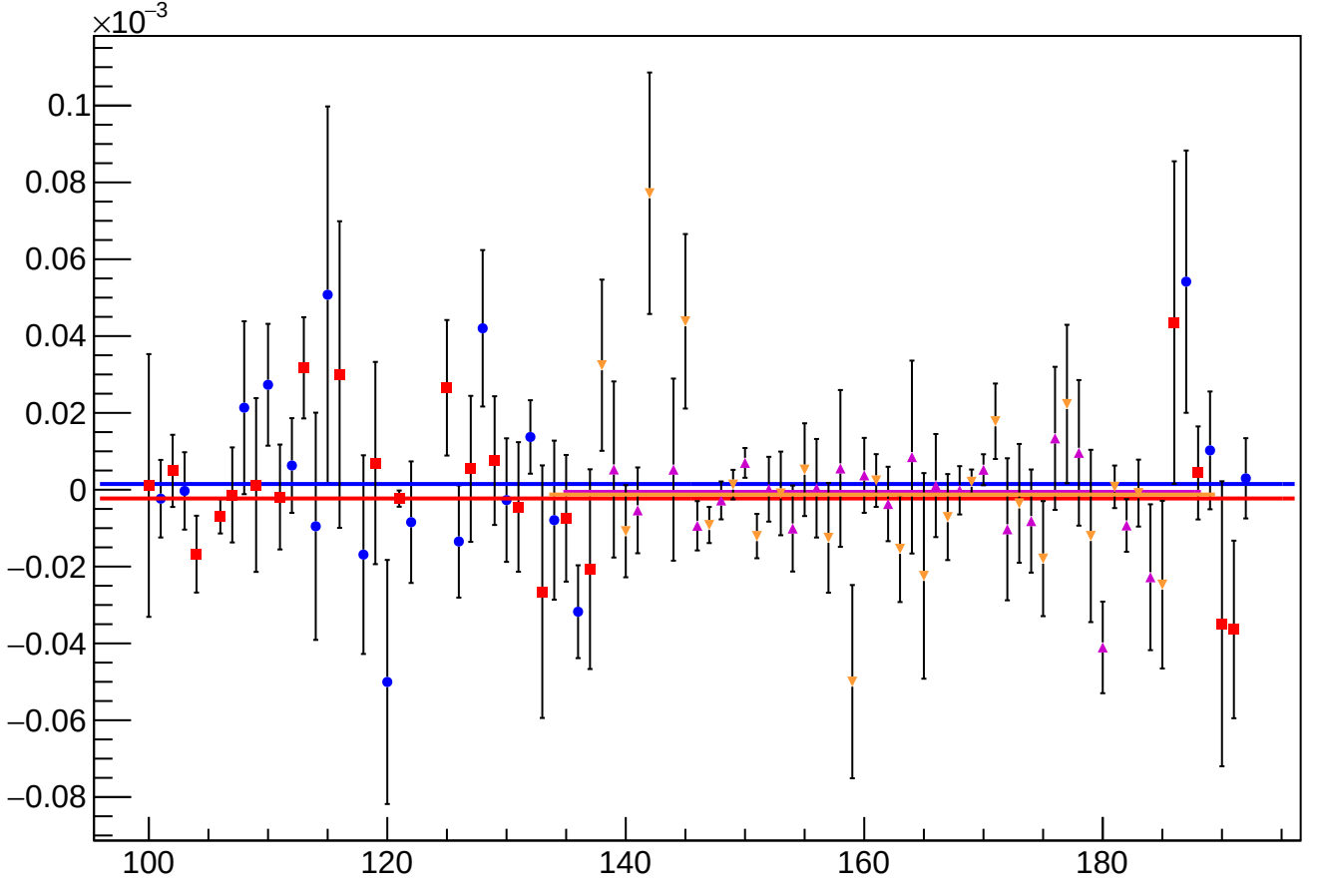
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 130.855+/-0.024 χ^2/NDF: 4627182.4/41

In: 202.291+/-0.032 χ^2/NDF:11977451.3/41

Out: 165.872+/-0.028 χ^2/NDF:19055642.6/47

All: 181.774+/-0.021 χ^2/NDF: 31767078.6/89



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: 20.0/21

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

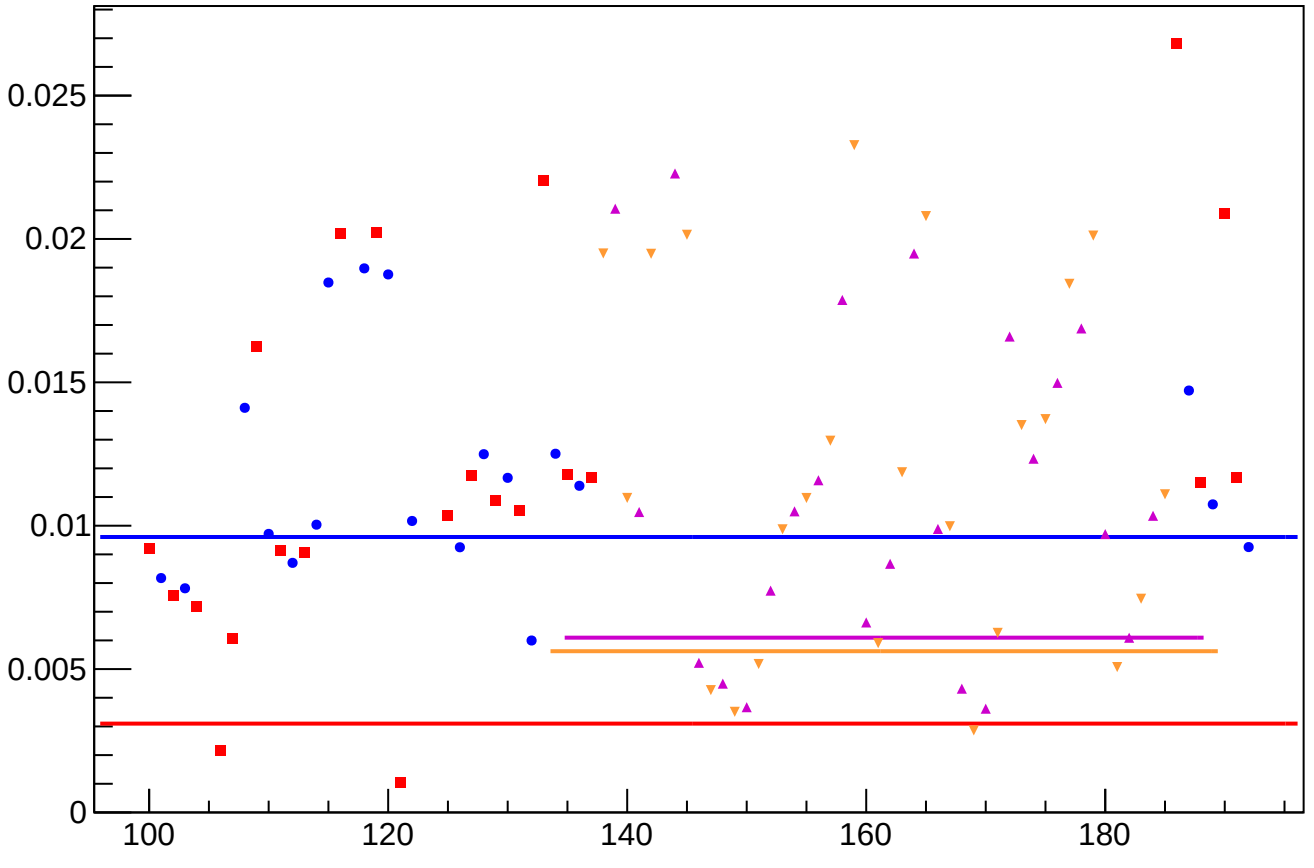
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 46.7/40

In: -0.000+/-0.000 χ^2/NDF:51.4/41

Out: -0.000+/-0.000 χ^2/NDF:55.9/45

All: -0.000+/-0.000 χ^2/NDF: 108.0/87



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: 10965987.8/21

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

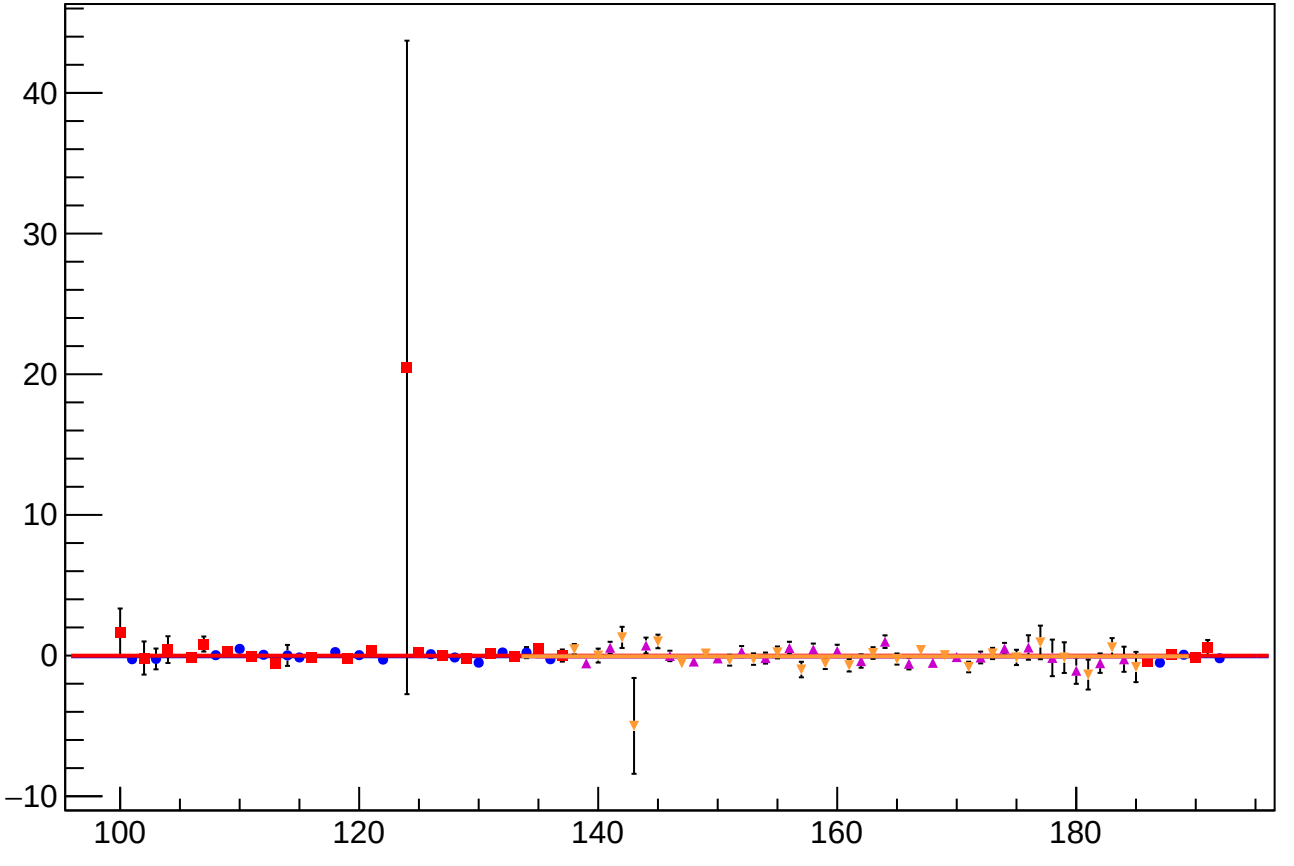
Right: 0.004+/-0.000 χ^2/NDF: 17978469.8/40

In: 0.007+/-0.000 χ^2/NDF:11671427.2/41

Out: 0.004+/-0.000 χ^2/NDF:24473161.3/45

All: 0.005+/-0.000 χ^2/NDF: 39193932.0/87

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: -0.007+/-0.045 χ^2/NDF: 27.8/22

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

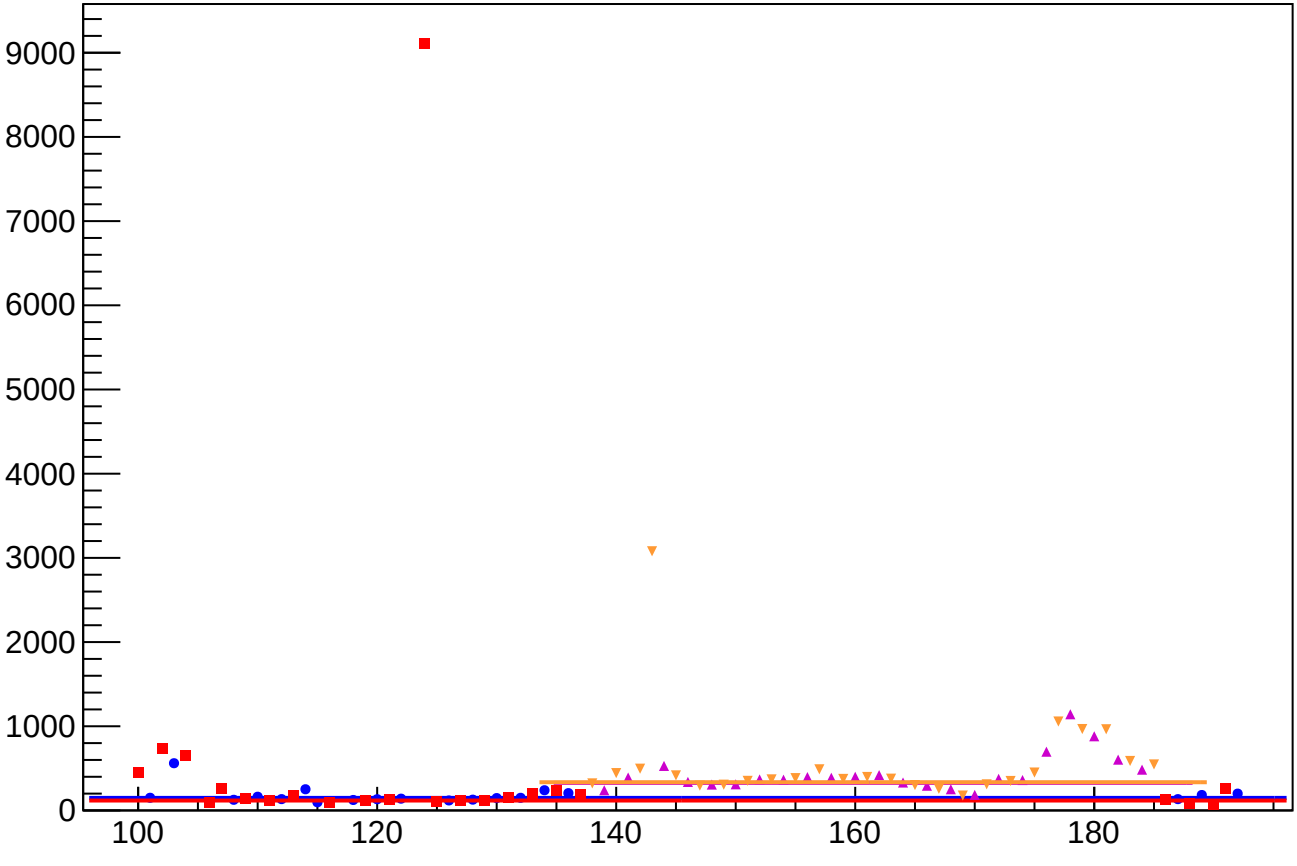
Right: -0.025+/-0.035 χ^2/NDF: 48.1/41

In: -0.054+/-0.045 χ^2/NDF:48.0/41

Out: -0.017+/-0.040 χ^2/NDF:61.1/47

All: -0.033+/-0.030 χ^2/NDF: 109.5/89

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: 117.997+/-0.032 χ^2/NDF: 2932284.1/22

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

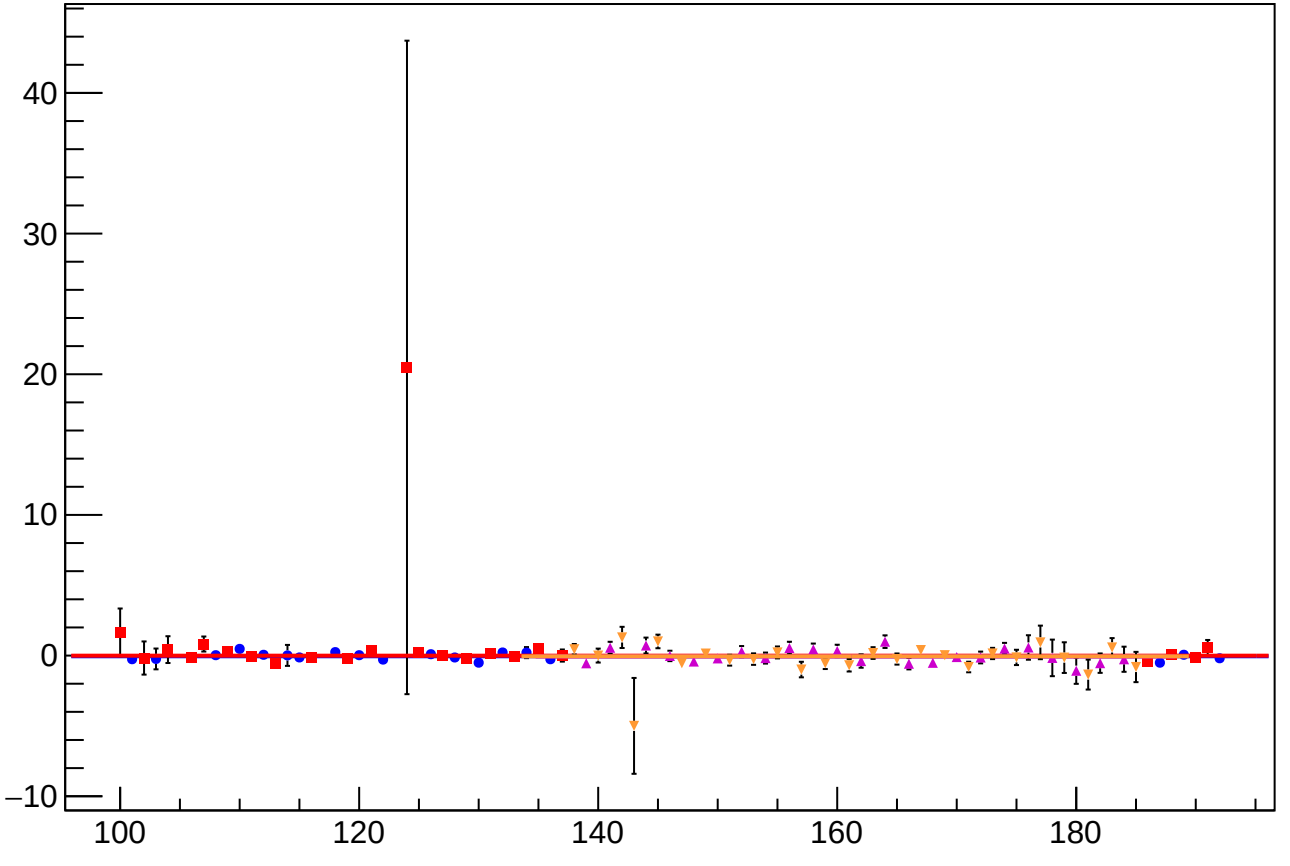
Right: 130.853+/-0.024 χ^2/NDF: 4627201.7/41

In: 202.290+/-0.032 χ^2/NDF:11977718.7/41

Out: 165.869+/-0.028 χ^2/NDF:19056039.2/47

All: 181.772+/-0.021 χ^2/NDF: 31767824.8/89

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: -0.007+/-0.045 χ^2/NDF: 27.8/22

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

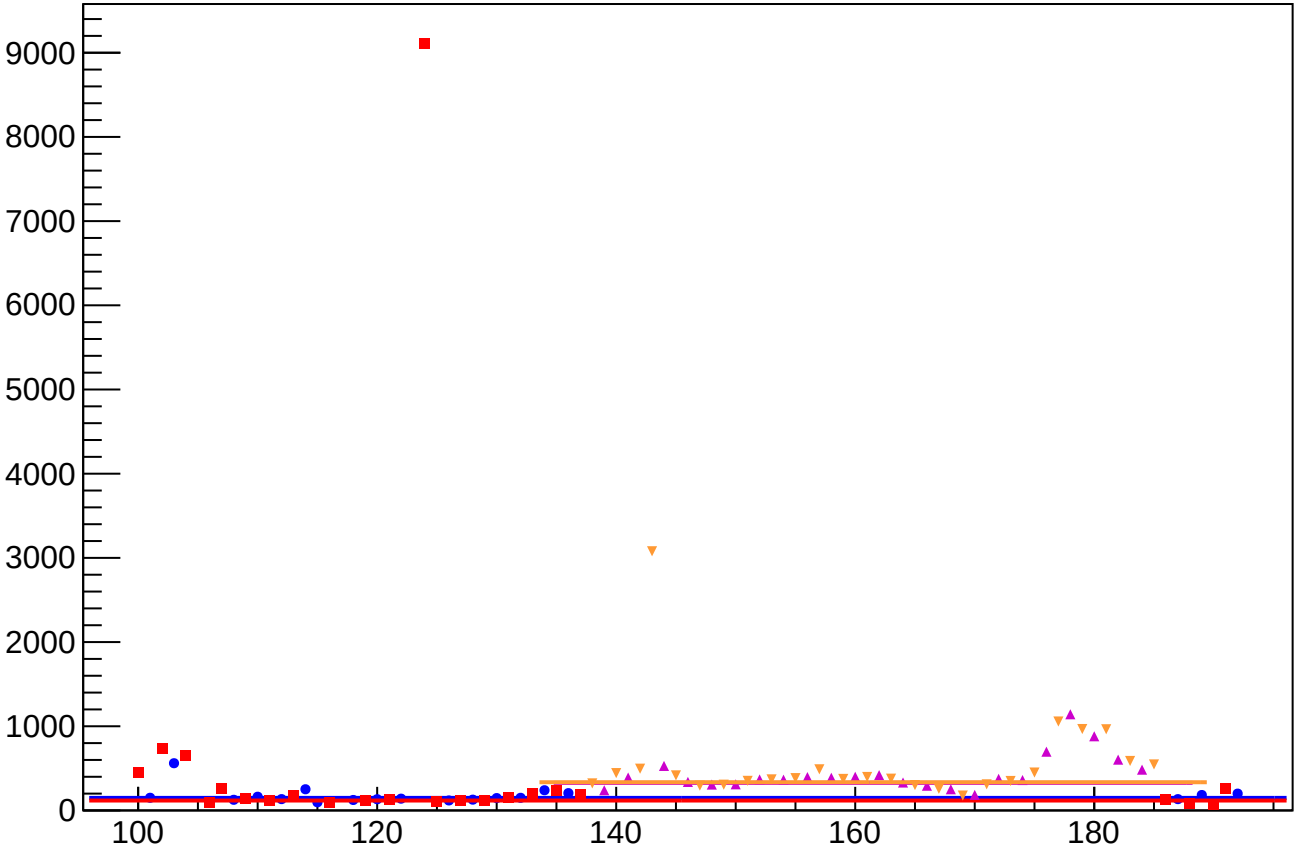
Right: -0.025+/-0.035 χ^2/NDF: 48.1/41

In: -0.054+/-0.045 χ^2/NDF:48.0/41

Out: -0.017+/-0.040 χ^2/NDF:61.1/47

All: -0.033+/-0.030 χ^2/NDF: 109.5/89

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: 117.997+/-0.032 χ^2/NDF: 2932284.1/22

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

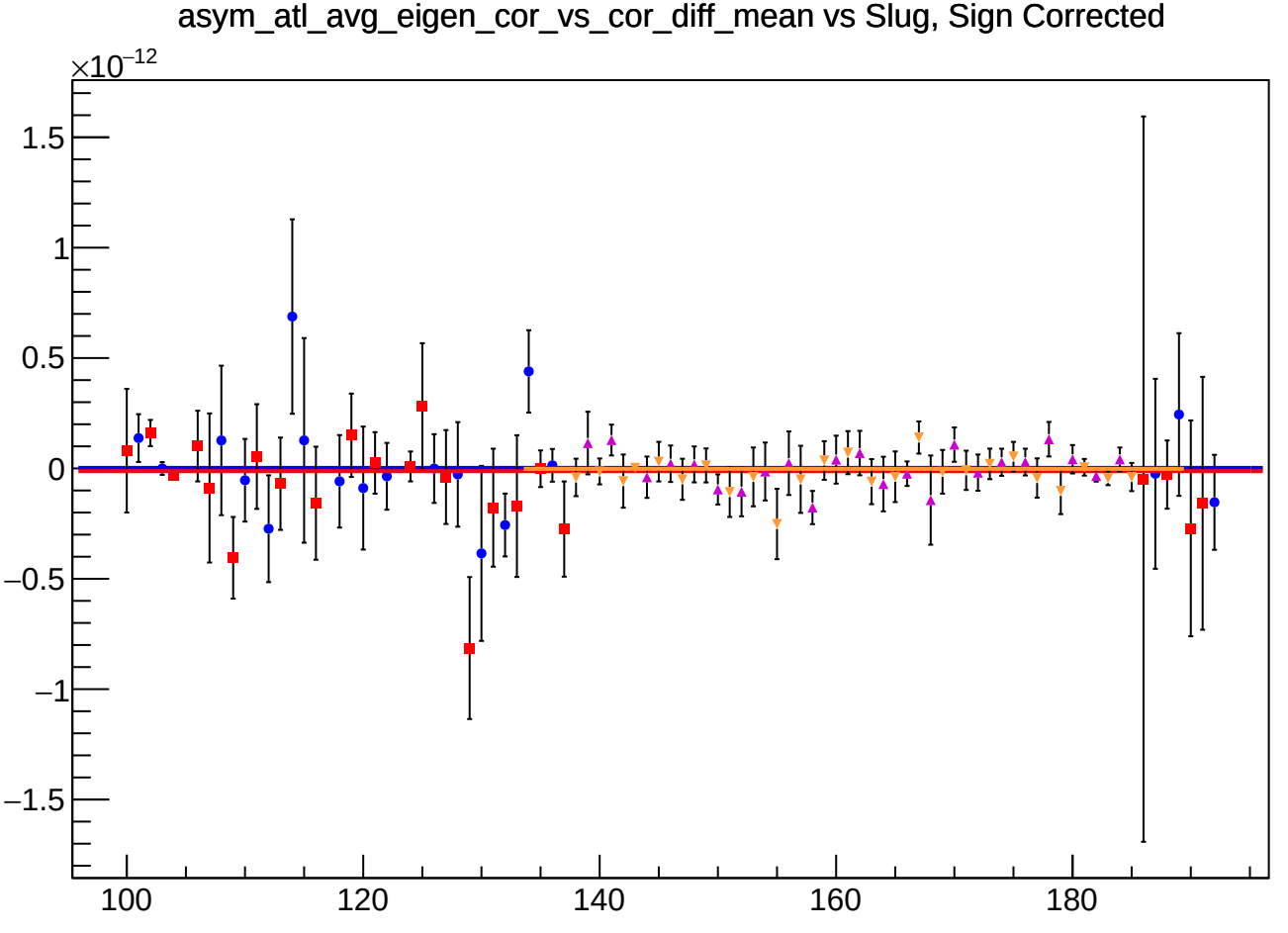
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 130.853+/-0.024 χ^2/NDF: 4627201.7/41

In: 202.290+/-0.032 χ^2/NDF:11977718.7/41

Out: 165.869+/-0.028 χ^2/NDF:19056039.2/47

All: 181.772+/-0.021 χ^2/NDF: 31767824.8/89



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: 25.5/22

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

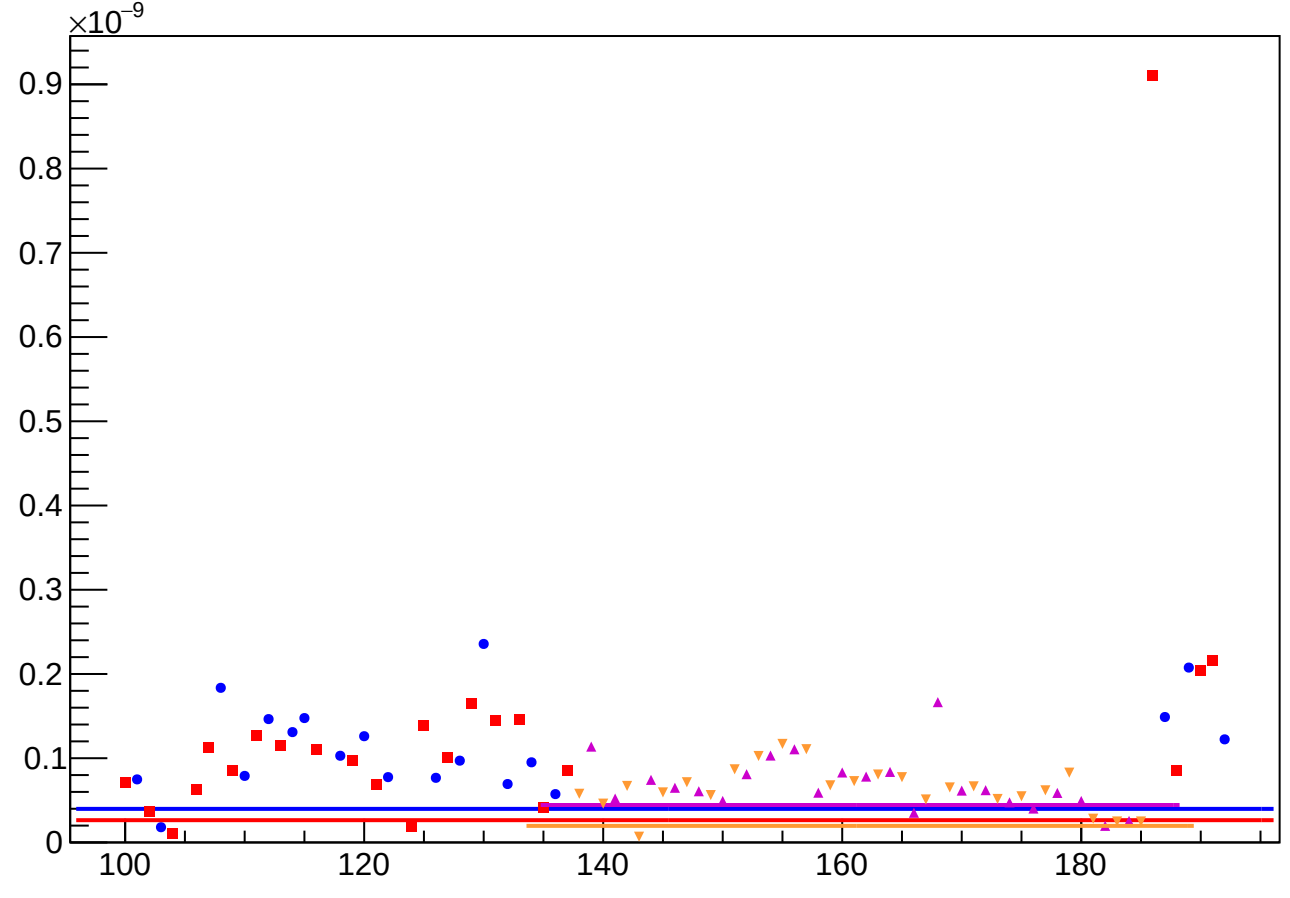
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 42.3/41

In: -0.000+/-0.000 χ^2/NDF:39.1/41

Out: -0.000+/-0.000 χ^2/NDF:39.4/47

All: -0.000+/-0.000 χ^2/NDF: 78.5/89



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: 6060948.9/22

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

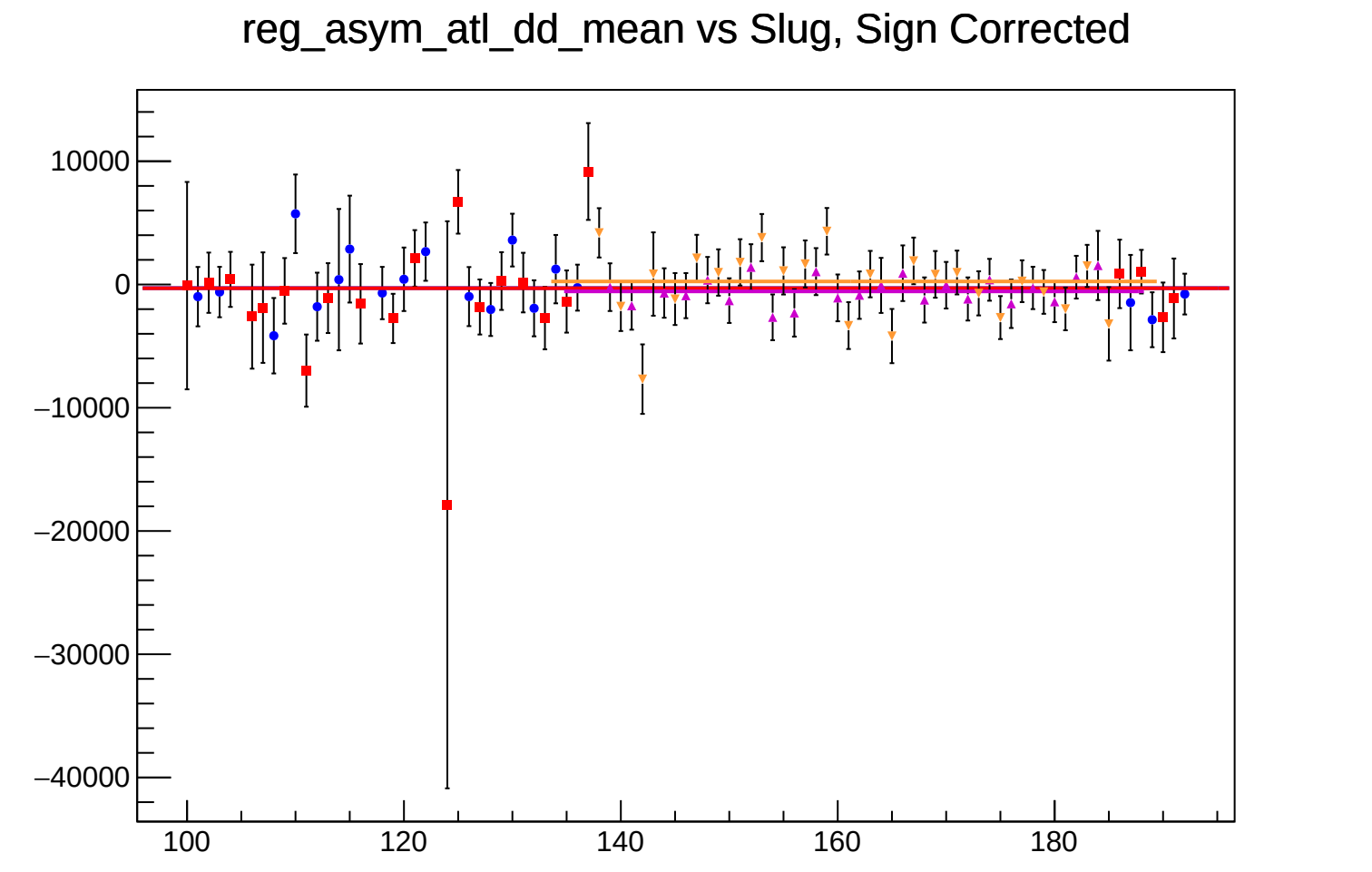
Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

Right: 0.000+/-0.000 χ^2/NDF: 11256348.6/41

In: 0.000+/-0.000 χ^2/NDF:10770467.6/41

Out: 0.000+/-0.000 χ^2/NDF:21173105.4/47

All: 0.000+/-0.000 χ^2/NDF: 36843227.5/89



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: -302.555+/-562.553 χ^2/NDF: 25.6/22

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

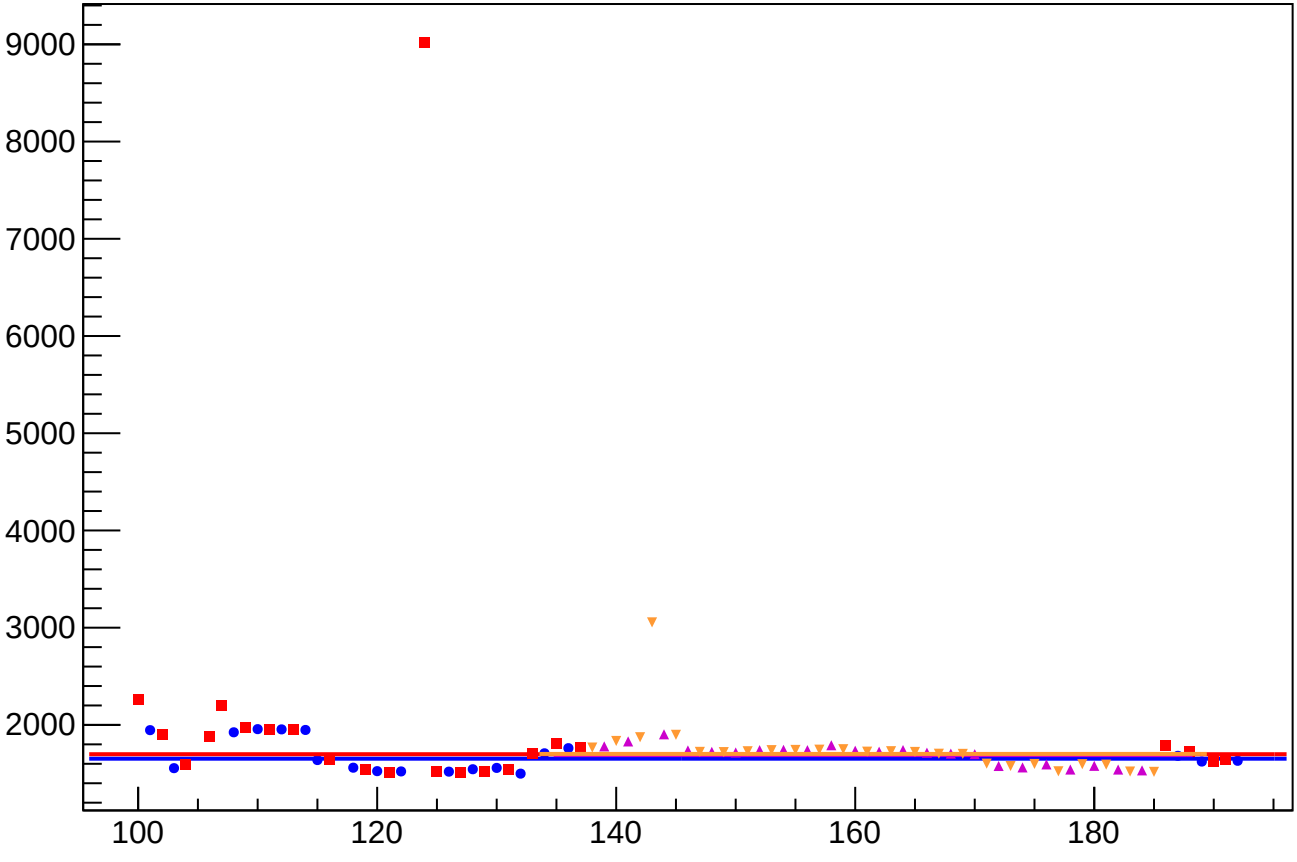
Right: -297.535+/-395.423 χ^2/NDF: 39.8/41

In: -470.267+/-322.058 χ^2/NDF:21.8/41

Out: 70.170+/-319.859 χ^2/NDF:65.8/47

All: -198.197+/-226.948 χ^2/NDF: 89.1/89

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: 1698.586+/-0.396 χ^2/NDF: 390911.3/22

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

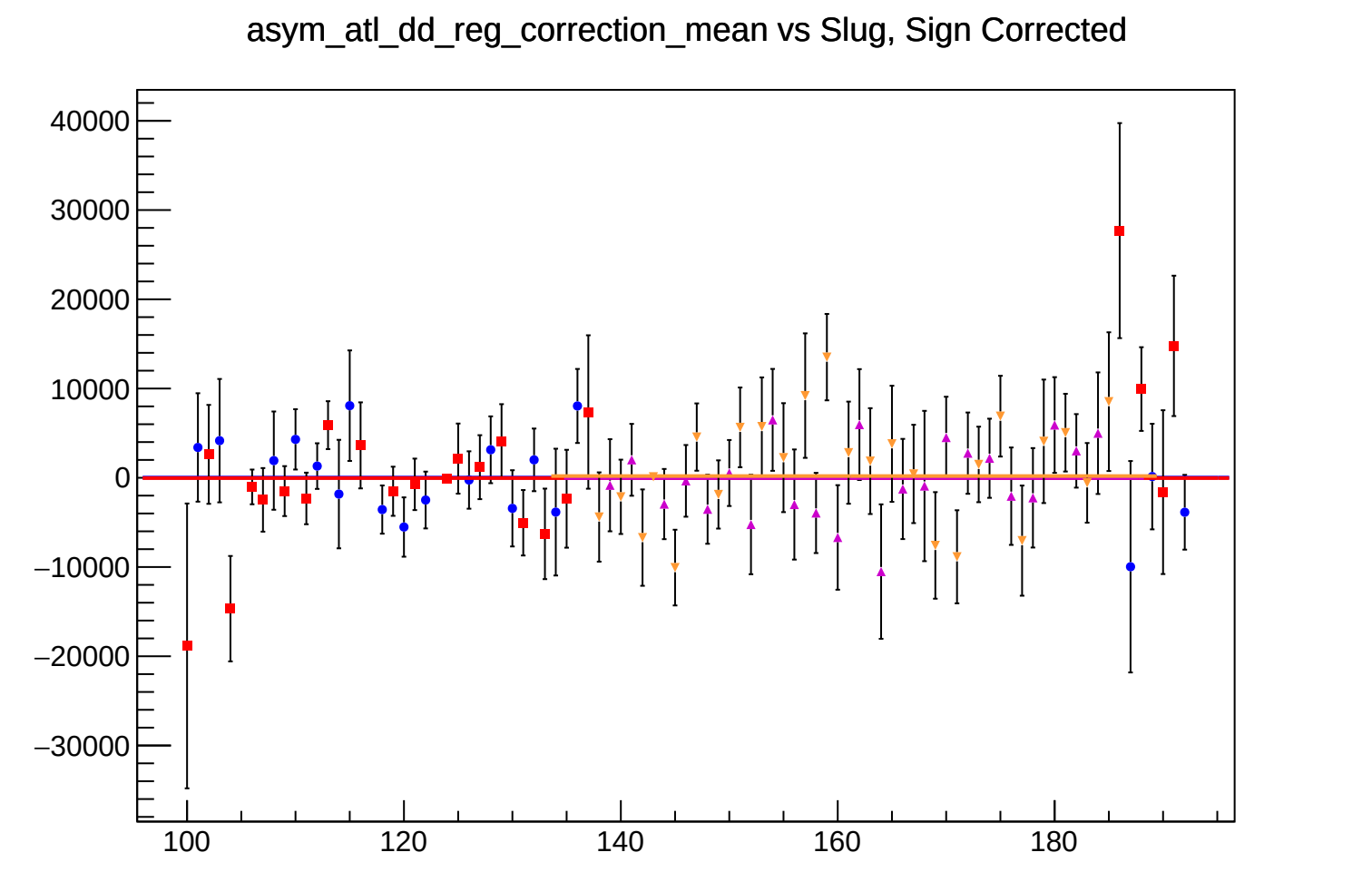
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1675.385+/-0.279 χ^2/NDF: 542605.9/41

In: 1676.943+/-0.228 χ^2/NDF:273004.8/41

Out: 1700.609+/-0.226 χ^2/NDF:843329.0/47

All: 1688.871+/-0.160 χ^2/NDF: 1121776.9/89



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: -34.899+/-322.360 χ^2/NDF: 34.3/22

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

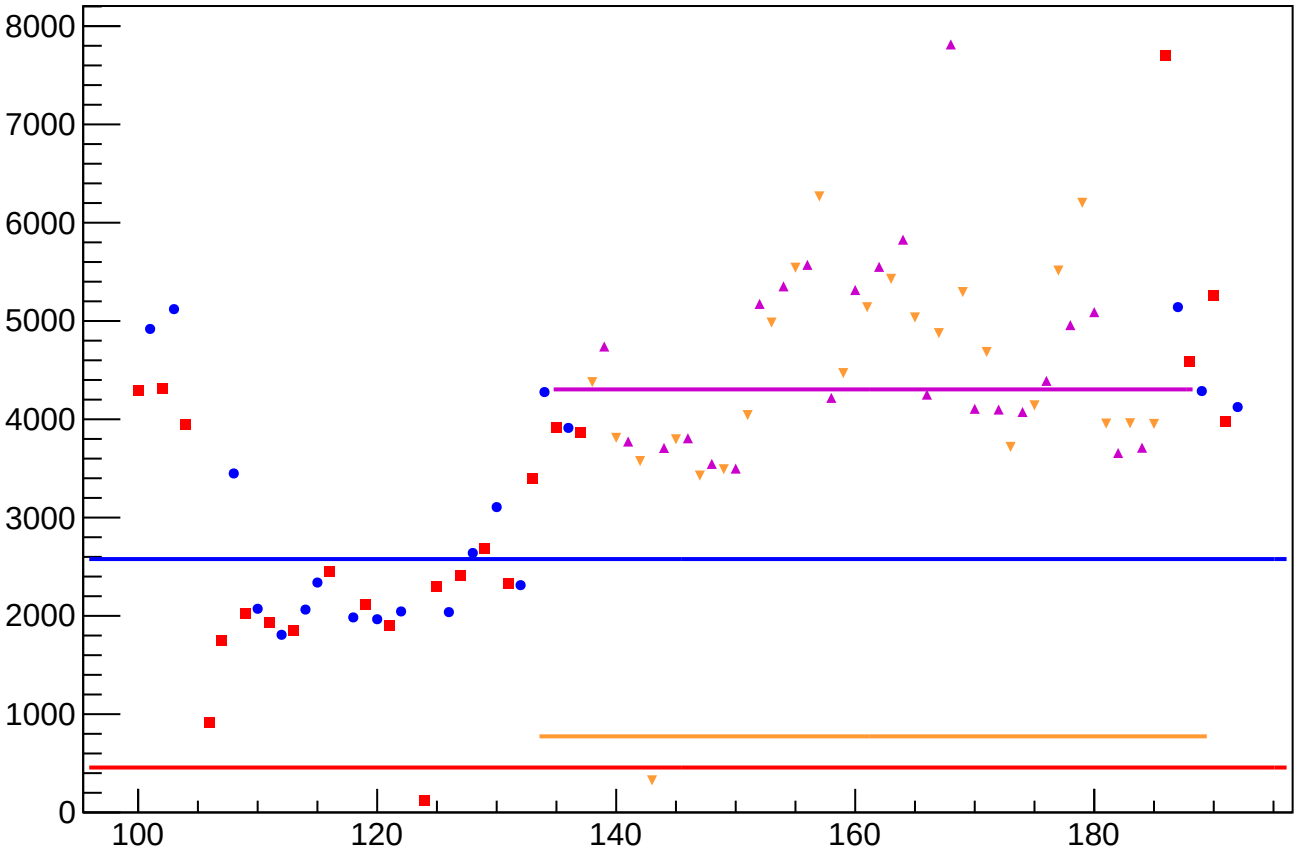
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: -28.712+/-304.311 χ^2/NDF: 51.2/41

In: -0.715+/-685.792 χ^2/NDF:30.2/41

Out: 72.180+/-234.943 χ^2/NDF:68.4/47

All: 64.523+/-222.262 χ^2/NDF: 98.6/89



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: 457.152+/-0.228 χ^2/NDF: 14315202.5/22

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

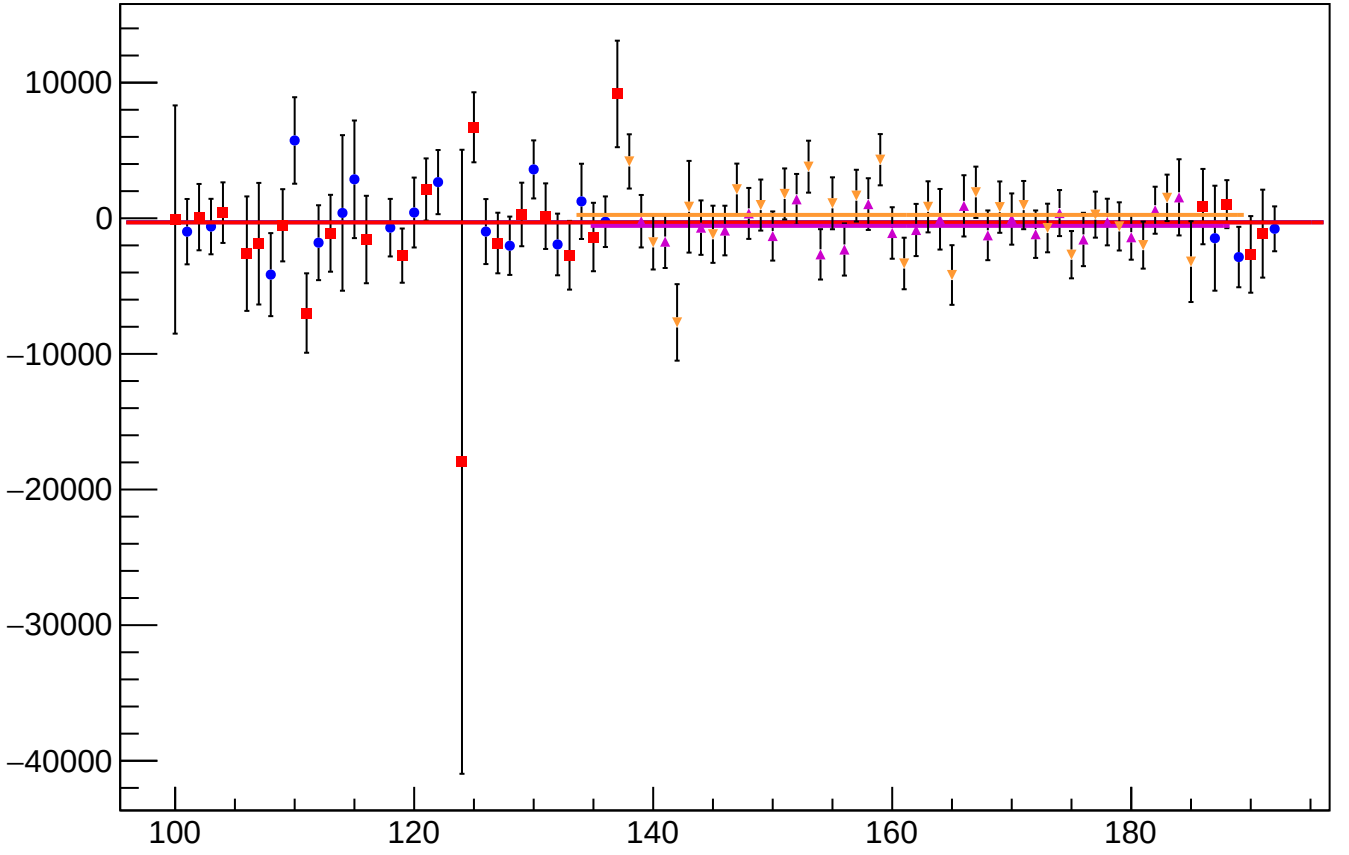
Right: 687.986+/-0.215 χ^2/NDF: 25772733.3/41

In: 3349.901+/-0.485 χ^2/NDF:6383957.0/41

Out: 605.805+/-0.166 χ^2/NDF:43307963.6/47

All: 894.038+/-0.157 χ^2/NDF: 78350090.4/89

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: -305.953+/-562.557 χ^2/NDF: 25.6/22

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

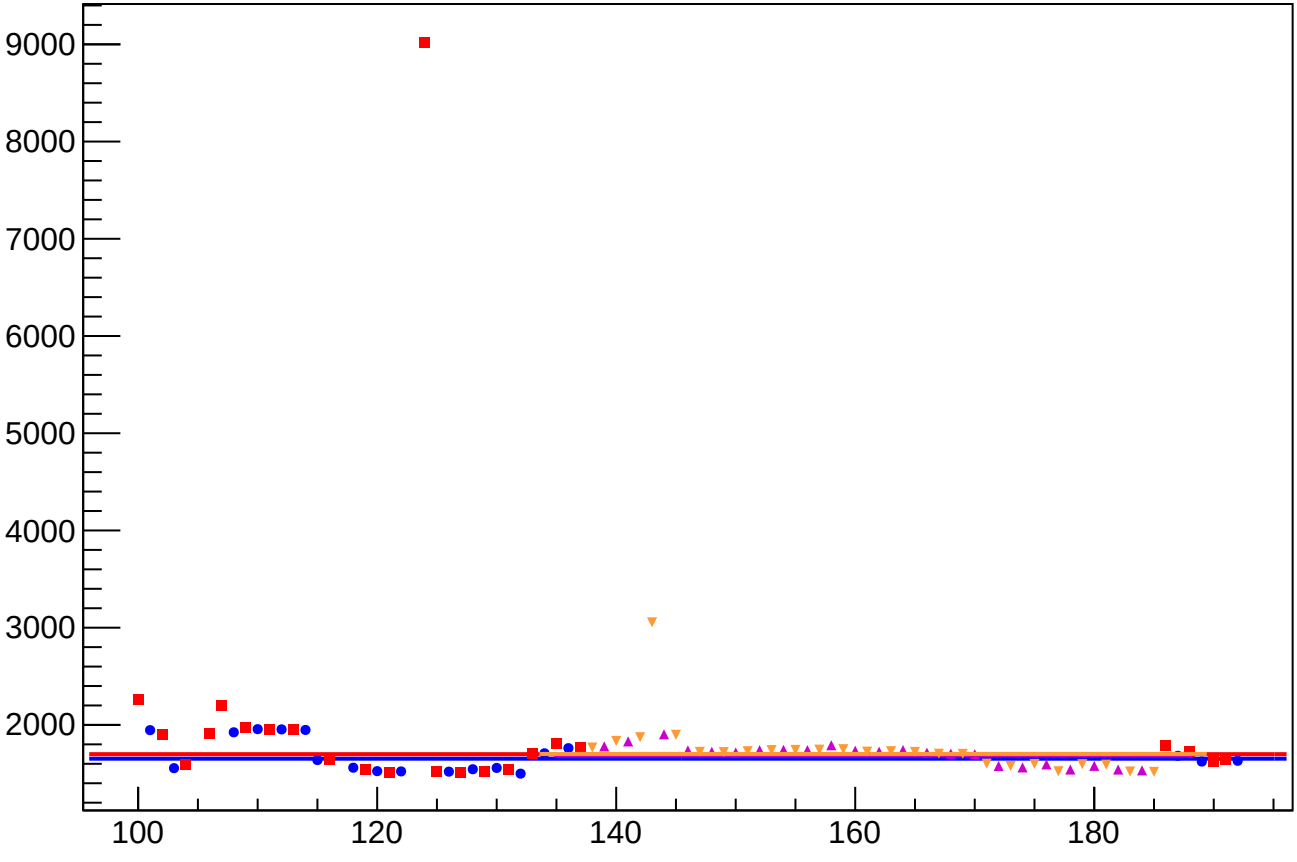
Right: -299.243+/-395.425 χ^2/NDF: 39.8/41

In: -470.263+/-322.058 χ^2/NDF:21.8/41

Out: 69.062+/-319.860 χ^2/NDF:65.8/47

All: -198.754+/-226.948 χ^2/NDF: 89.1/89

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: 1699.215+/-0.396 χ^2/NDF: 392646.8/22

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

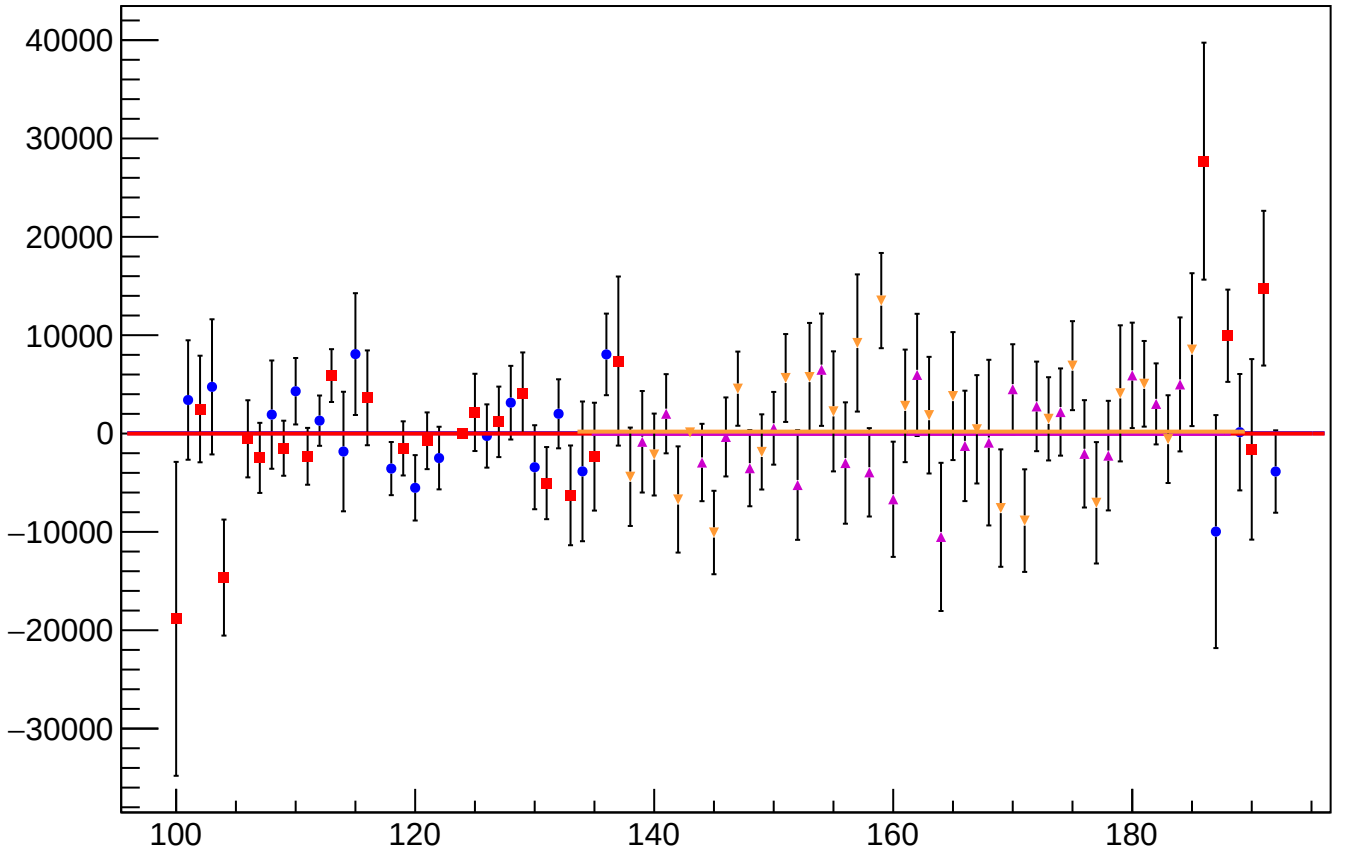
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1675.688+/-0.279 χ^2/NDF: 544525.6/41

In: 1676.943+/-0.228 χ^2/NDF:273004.9/41

Out: 1700.814+/-0.226 χ^2/NDF:845049.9/47

All: 1688.973+/-0.160 χ^2/NDF: 1123591.8/89



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: -6.190+/-314.499 χ^2/NDF: 34.0/22

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

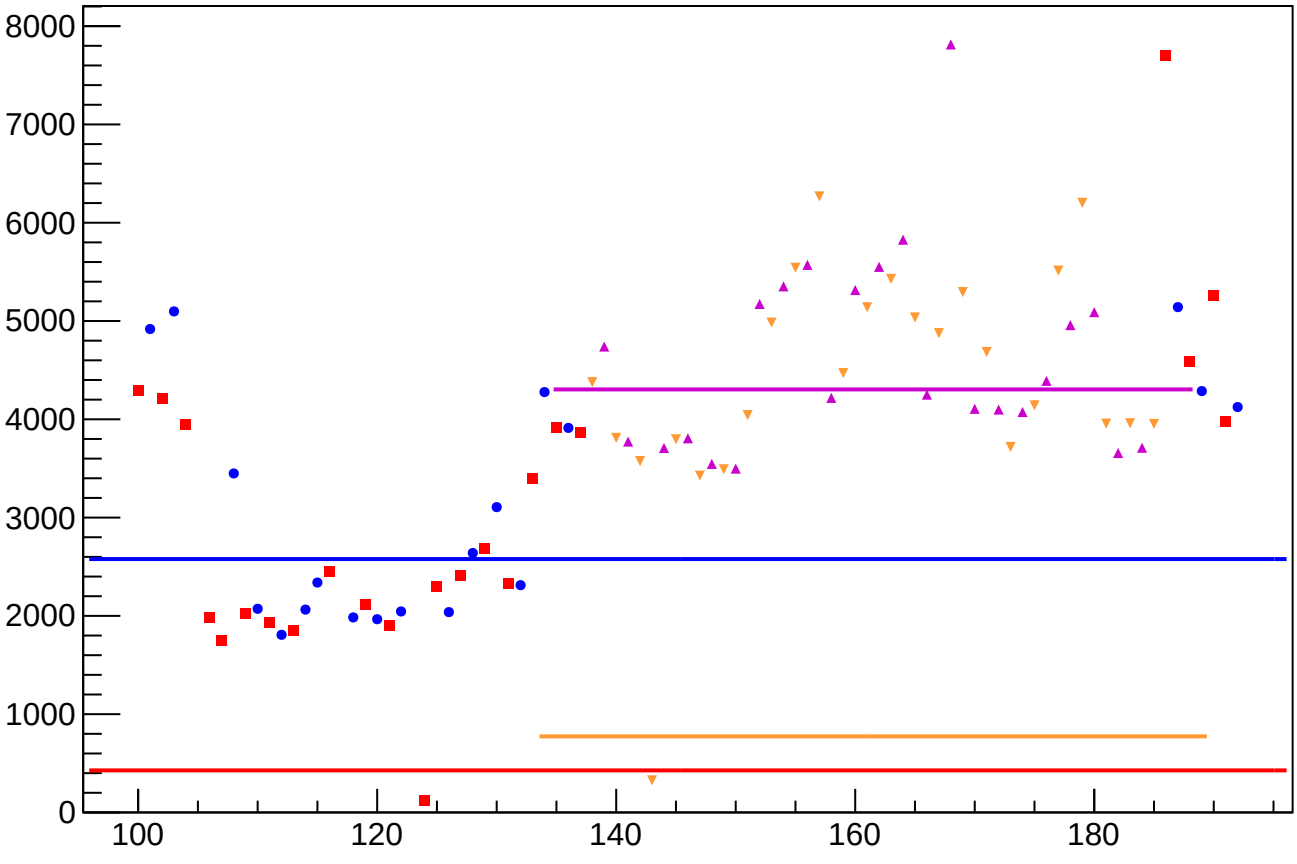
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -2.044+/-297.669 χ^2/NDF: 51.0/41

In: 5.715+/-685.749 χ^2/NDF:30.3/41

Out: 85.174+/-231.840 χ^2/NDF:68.1/47

All: 77.024+/-219.628 χ^2/NDF: 98.4/89



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: 427.969+/-0.222 χ^2/NDF: 14699502.2/22

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

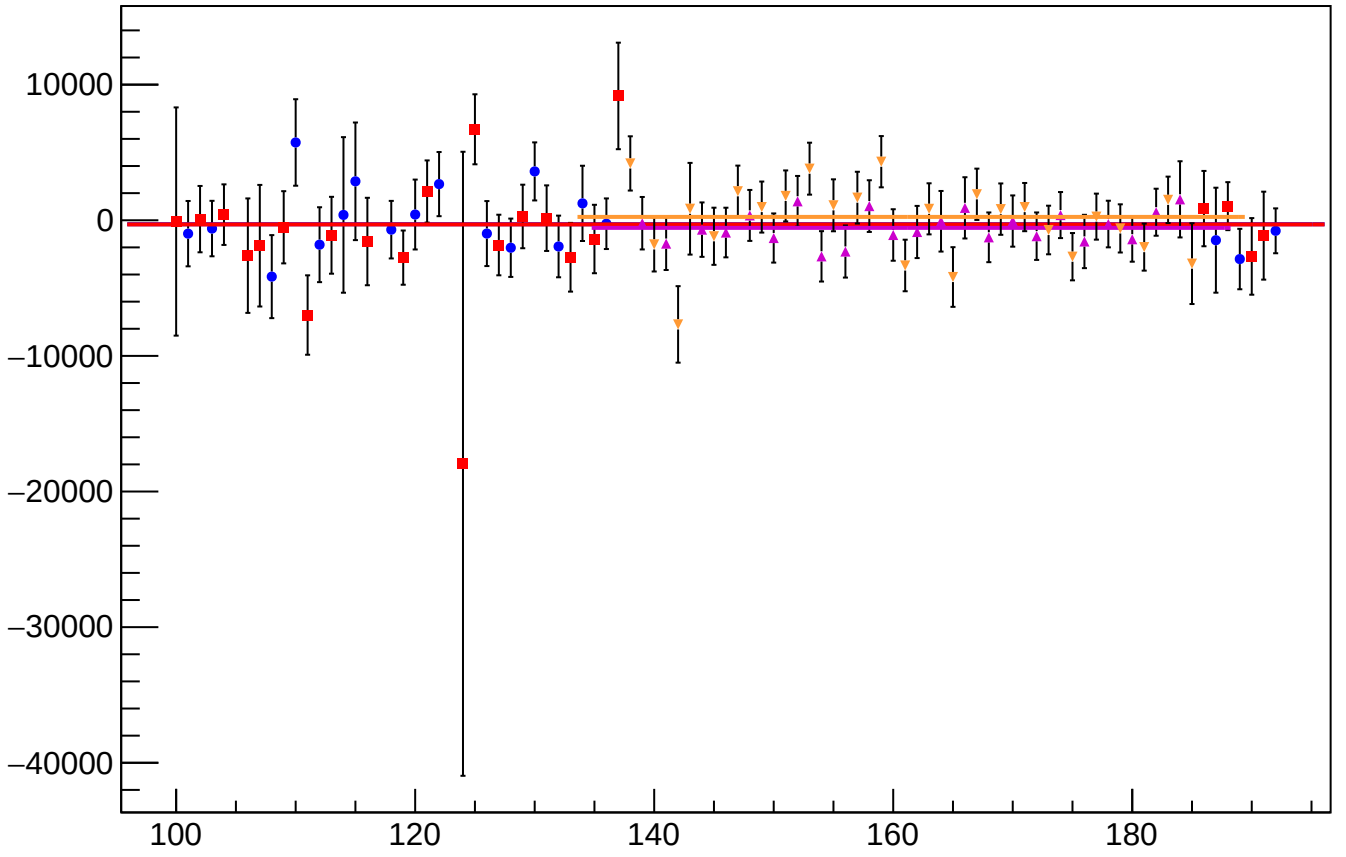
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 651.939+/-0.210 χ^2/NDF: 26470432.0/41

In: 3349.869+/-0.485 χ^2/NDF:6382033.8/41

Out: 586.025+/-0.164 χ^2/NDF:43892312.6/47

All: 869.528+/-0.155 χ^2/NDF: 79430139.4/89



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: -305.953+/-562.557 χ^2/NDF: 25.6/22

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

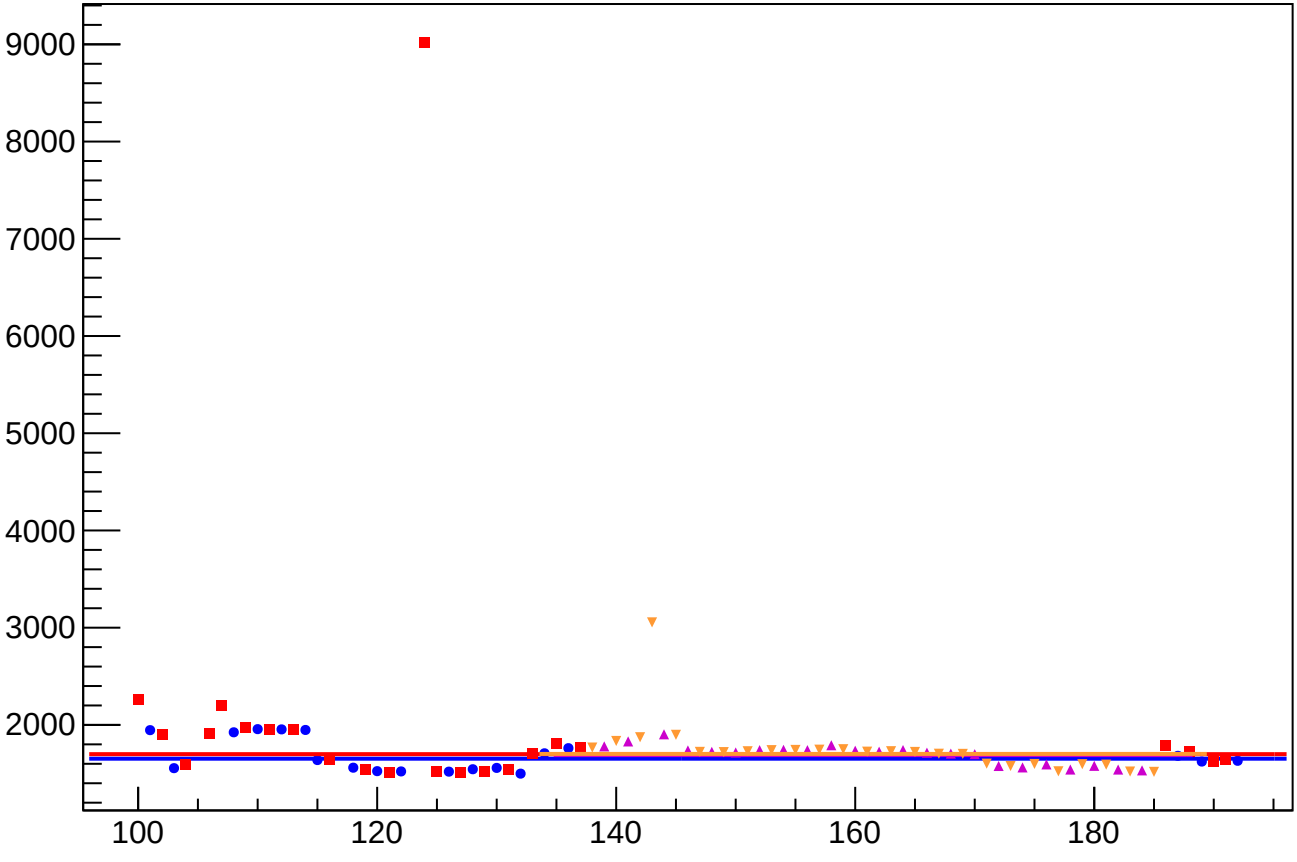
Right: -299.243+/-395.425 χ^2/NDF: 39.8/41

In: -470.263+/-322.058 χ^2/NDF:21.8/41

Out: 69.062+/-319.860 χ^2/NDF:65.8/47

All: -198.754+/-226.948 χ^2/NDF: 89.1/89

eigen_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: 1699.215+/-0.396 χ^2/NDF: 392646.8/22

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

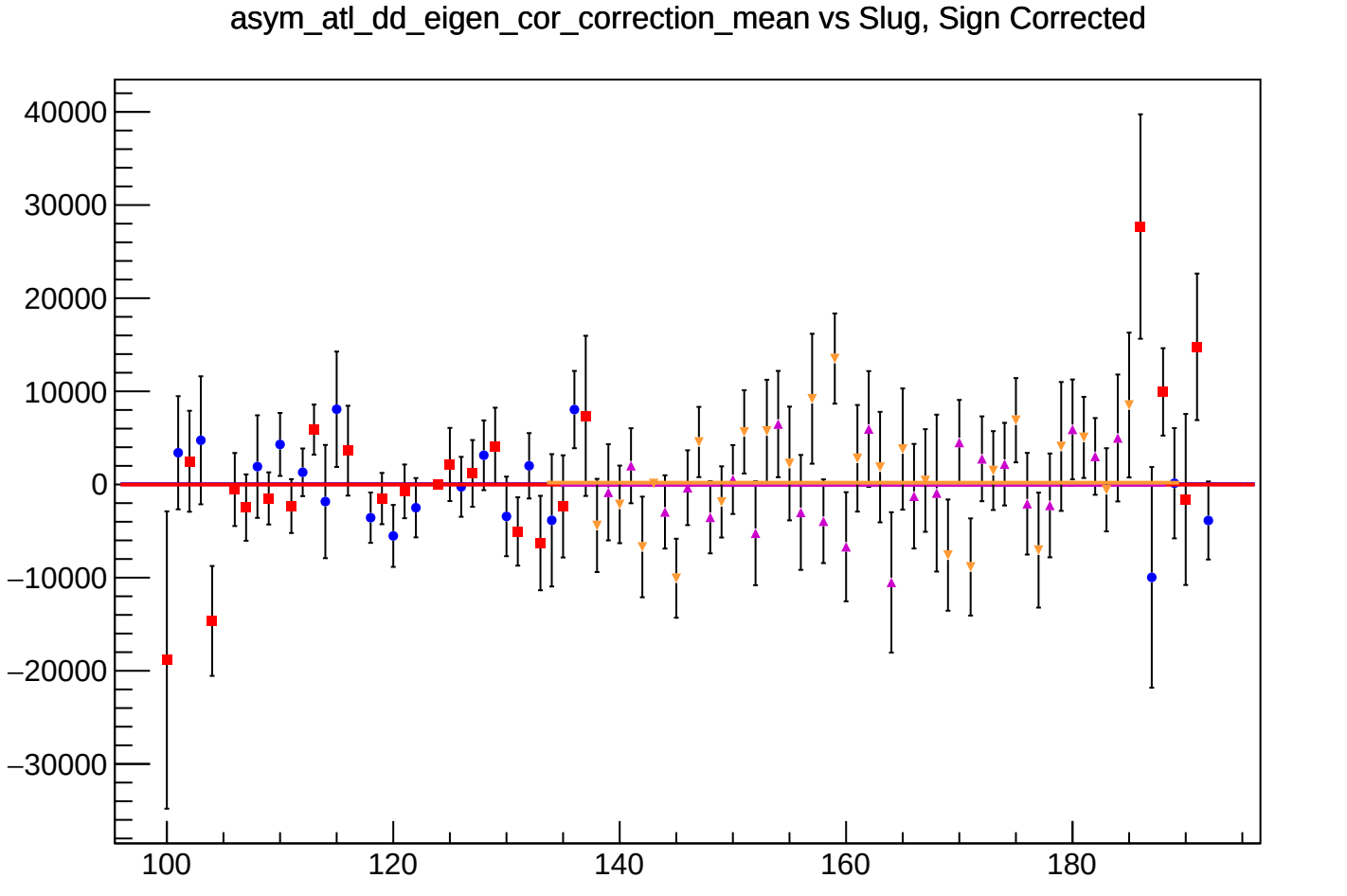
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

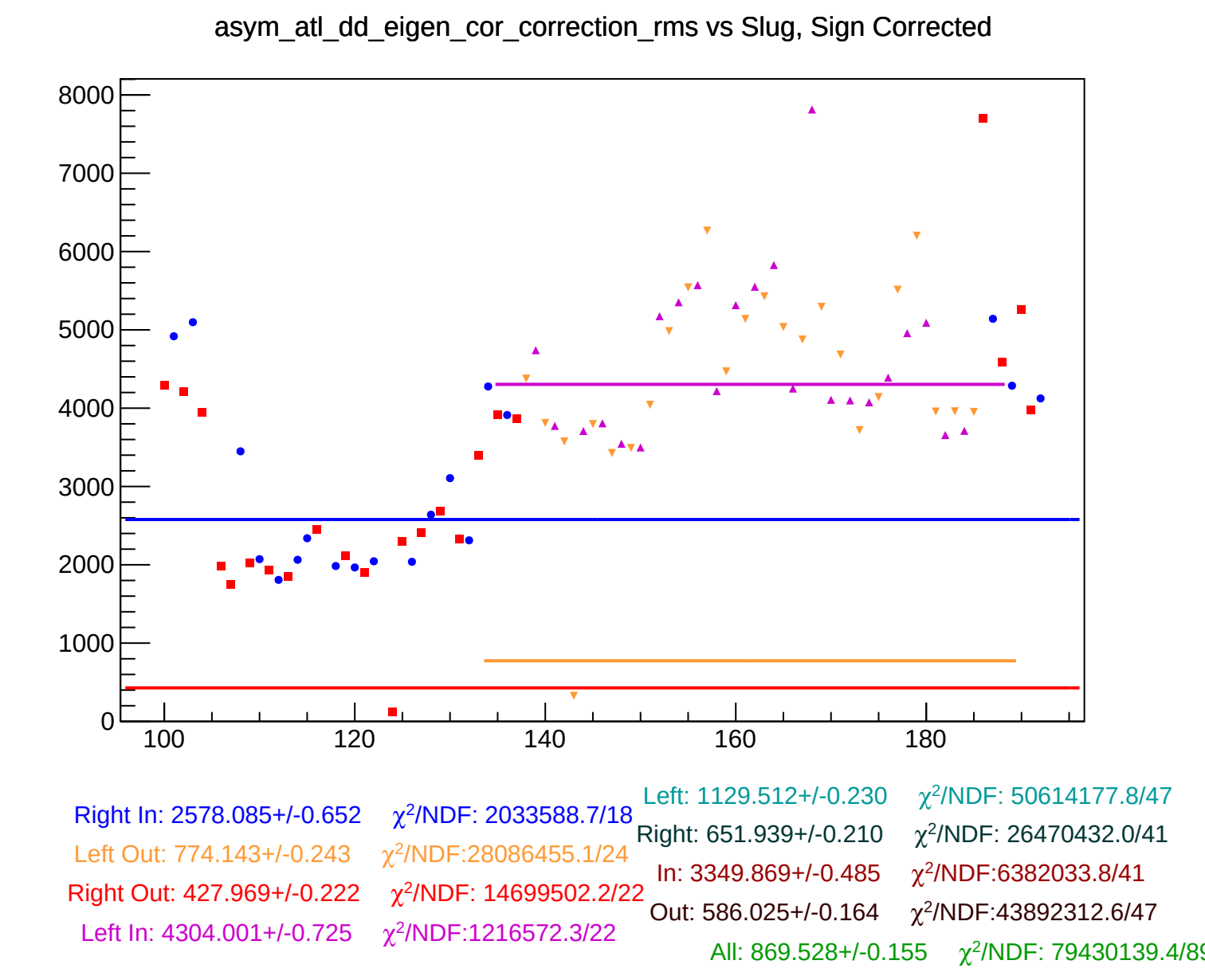
Right: 1675.688+/-0.279 χ^2/NDF: 544525.6/41

In: 1676.943+/-0.228 χ^2/NDF:273004.9/41

Out: 1700.814+/-0.226 χ^2/NDF:845049.9/47

All: 1688.973+/-0.160 χ^2/NDF: 1123591.8/89


asym_atl_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
Right In: 33.606+/-922.296 χ²/NDF: 17.0/18
Left Out: 193.916+/-343.107 χ²/NDF:33.9/24
Right Out: -6.190+/-314.499 χ²/NDF: 34.0/22
Left In: -28.766+/-1025.480 χ²/NDF:13.3/22
Left: 171.497+/-325.378 χ²/NDF: 47.2/47
Right: -2.044+/-297.669 χ²/NDF: 51.0/41
In: 5.715+/-685.749 χ²/NDF:30.3/41
Out: 85.174+/-231.840 χ²/NDF:68.1/47
All: 77.024+/-219.628 χ²/NDF: 98.4/89


asym_atl_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
8000
7000
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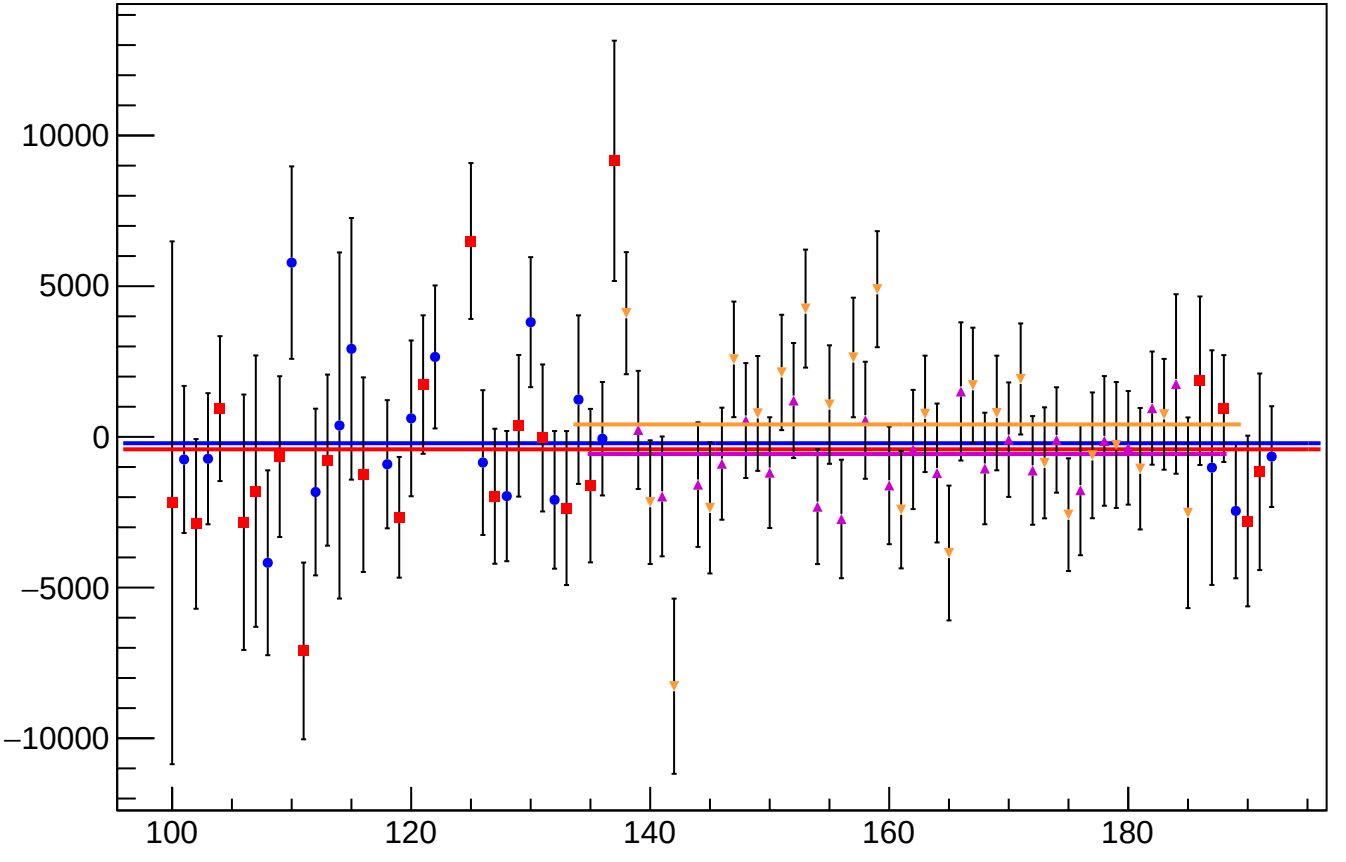
5000
4000
3000
2000
1000
0
100
120
140
160
180
Right In: 2578.085+/-0.652 χ²/NDF: 2033588.7/18
Left Out: 774.143+/-0.243 χ²/NDF:28086455.1/24
Right Out: 427.969+/-0.222 χ²/NDF: 14699502.2/22
Left In: 4304.001+/-0.725 χ²/NDF:1216572.3/22
Left: 1129.512+/-0.230 χ²/NDF: 50614177.8/47
Right: 651.939+/-0.210 χ²/NDF: 26470432.0/41
In: 3349.869+/-0.485 χ²/NDF:6382033.8/41
Out: 586.025+/-0.164 χ²/NDF:43892312.6/47
All: 869.528+/-0.155 χ²/NDF: 79430139.4/89

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: -412.116+/-571.085 χ^2/NDF: 25.3/21

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

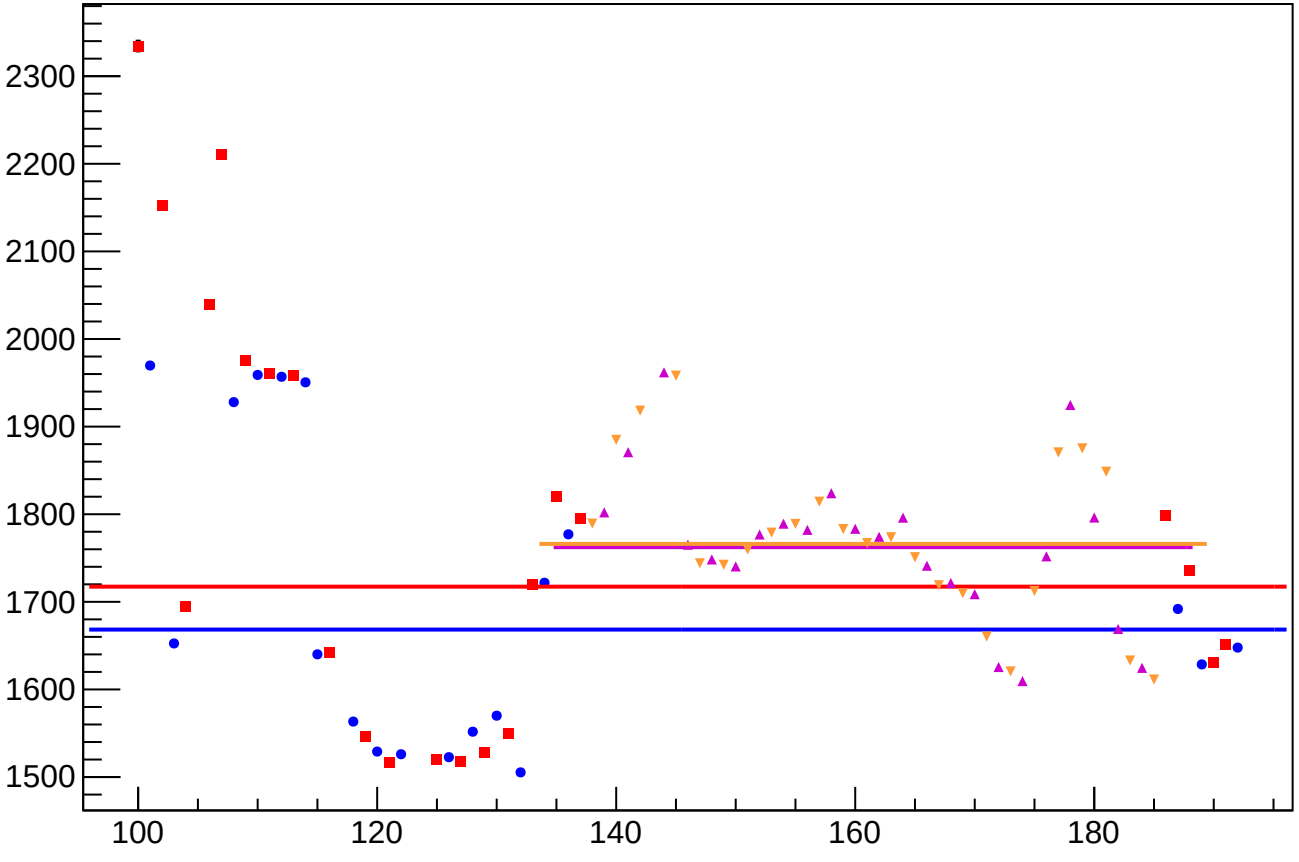
Right: -309.798+/-400.302 χ^2/NDF: 39.5/40

In: -443.497+/-332.152 χ^2/NDF:22.1/41

Out: 132.083+/-333.342 χ^2/NDF:66.7/45

All: -156.737+/-235.287 χ^2/NDF: 90.3/87

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: 1717.337+/-0.403 χ^2/NDF: 232248.2/21

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

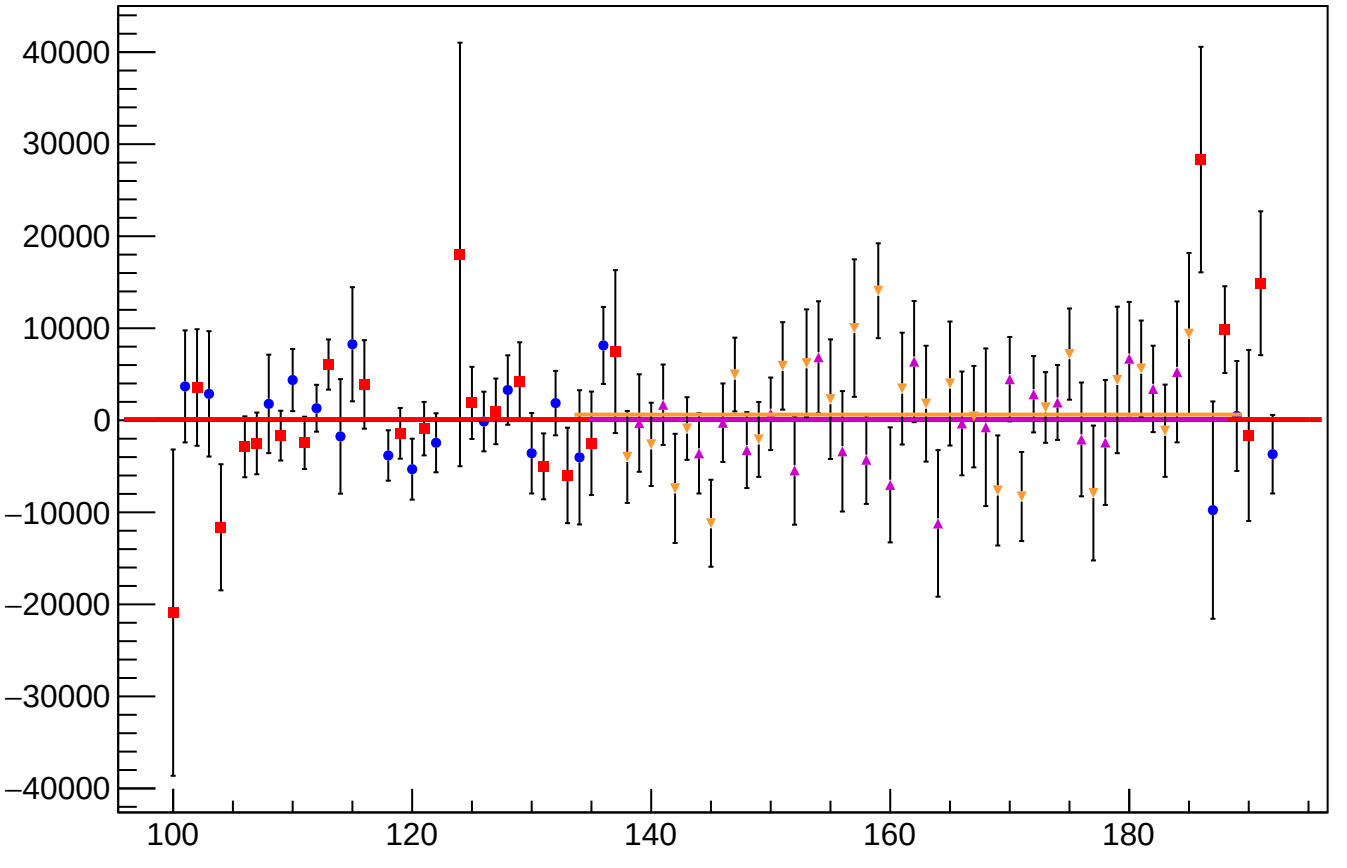
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1692.457+/-0.283 χ^2/NDF: 381780.2/40

In: 1729.461+/-0.235 χ^2/NDF:258623.7/41

Out: 1749.456+/-0.236 χ^2/NDF:325143.3/45

All: 1739.429+/-0.166 χ^2/NDF: 587380.2/87



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: 129.901+/-857.709 χ^2/NDF: 32.5/22

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

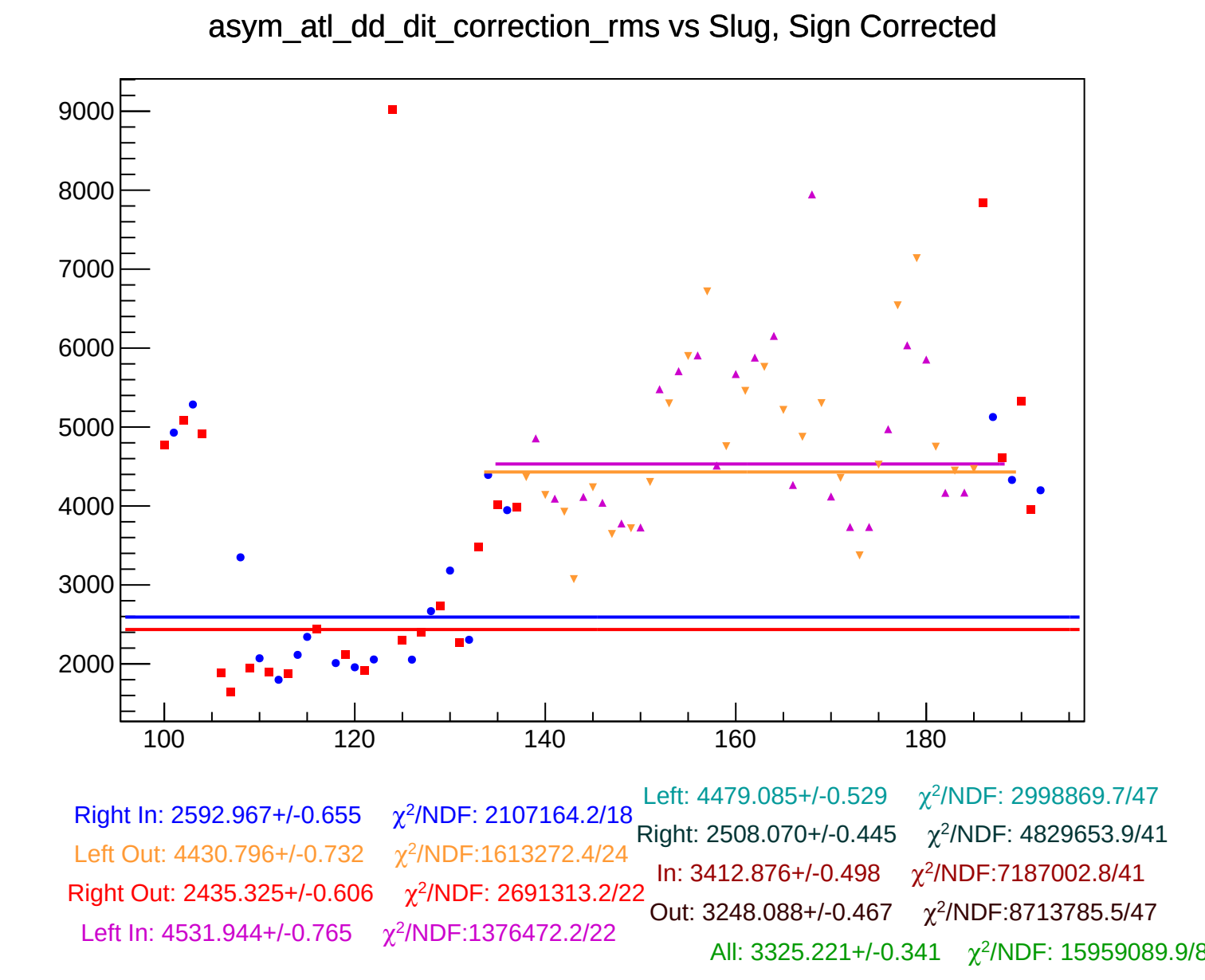
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 93.447+/-629.435 χ^2/NDF: 49.3/41

In: 65.538+/-703.927 χ^2/NDF:29.7/41

Out: 329.381+/-660.322 χ^2/NDF:65.7/47

All: 205.884+/-481.596 χ^2/NDF: 95.4/89


asym_atl_dd_dit_correction_rms vs Slug, Sign Corrected
9000
8000
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3000
2000
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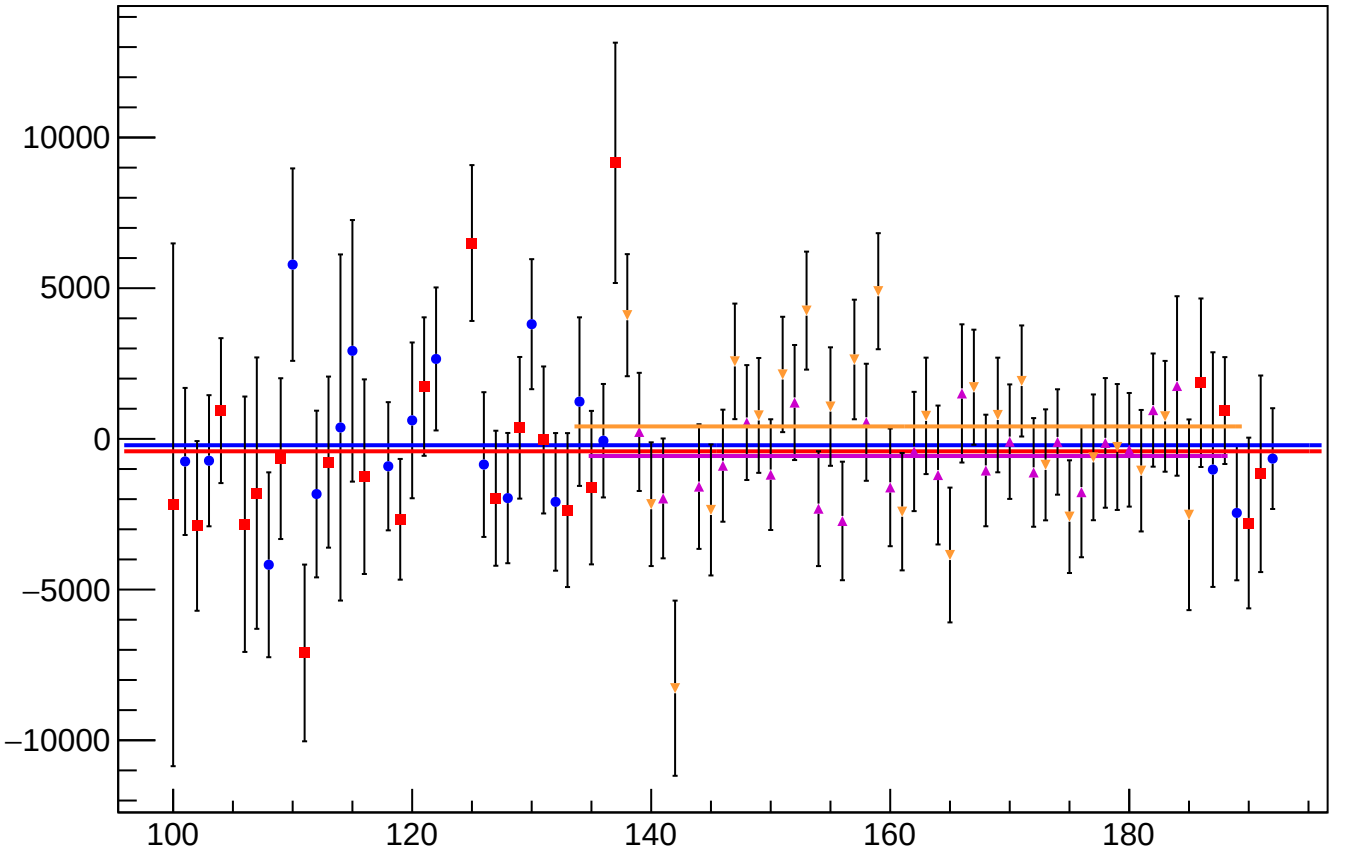
120
140
160
180
Right In: 2592.967+/-0.655 χ²/NDF: 2107164.2/18
Left Out: 4430.796+/-0.732 χ²/NDF:1613272.4/24
Right Out: 2435.325+/-0.606 χ²/NDF: 2691313.2/22
Left In: 4531.944+/-0.765 χ²/NDF:1376472.2/22
Left: 4479.085+/-0.529 χ²/NDF: 2998869.7/47
Right: 2508.070+/-0.445 χ²/NDF: 4829653.9/41
In: 3412.876+/-0.498 χ²/NDF:7187002.8/41
Out: 3248.088+/-0.467 χ²/NDF:8713785.5/47
All: 3325.221+/-0.341 χ²/NDF: 15959089.9/8



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: -412.117+/-571.085 χ^2/NDF: 25.3/21

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

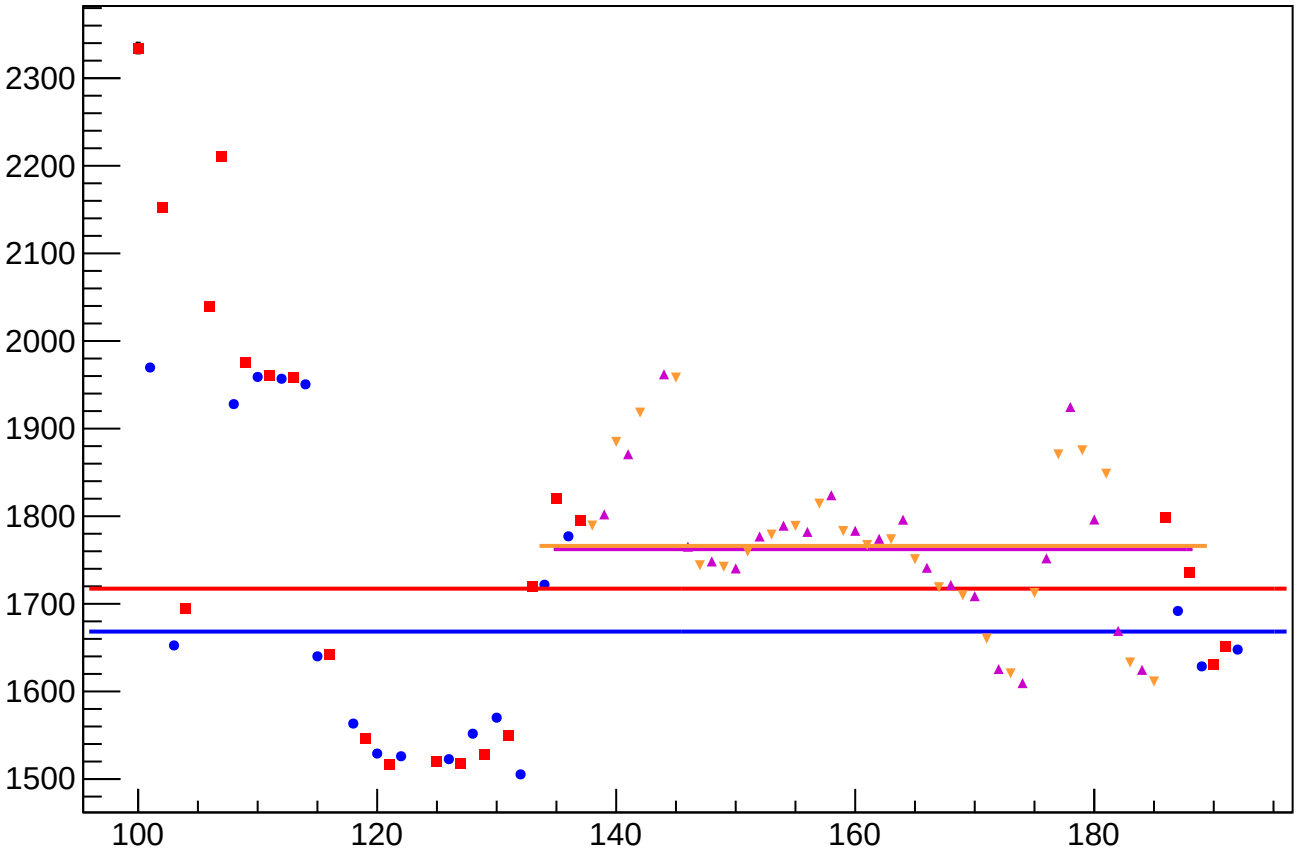
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -309.800+/-400.302 χ^2/NDF: 39.5/40

In: -443.497+/-332.152 χ^2/NDF:22.1/41

Out: 132.083+/-333.343 χ^2/NDF:66.7/45

All: -156.737+/-235.287 χ^2/NDF: 90.3/87



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: 1717.337+/-0.403 χ^2/NDF: 232247.5/21

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

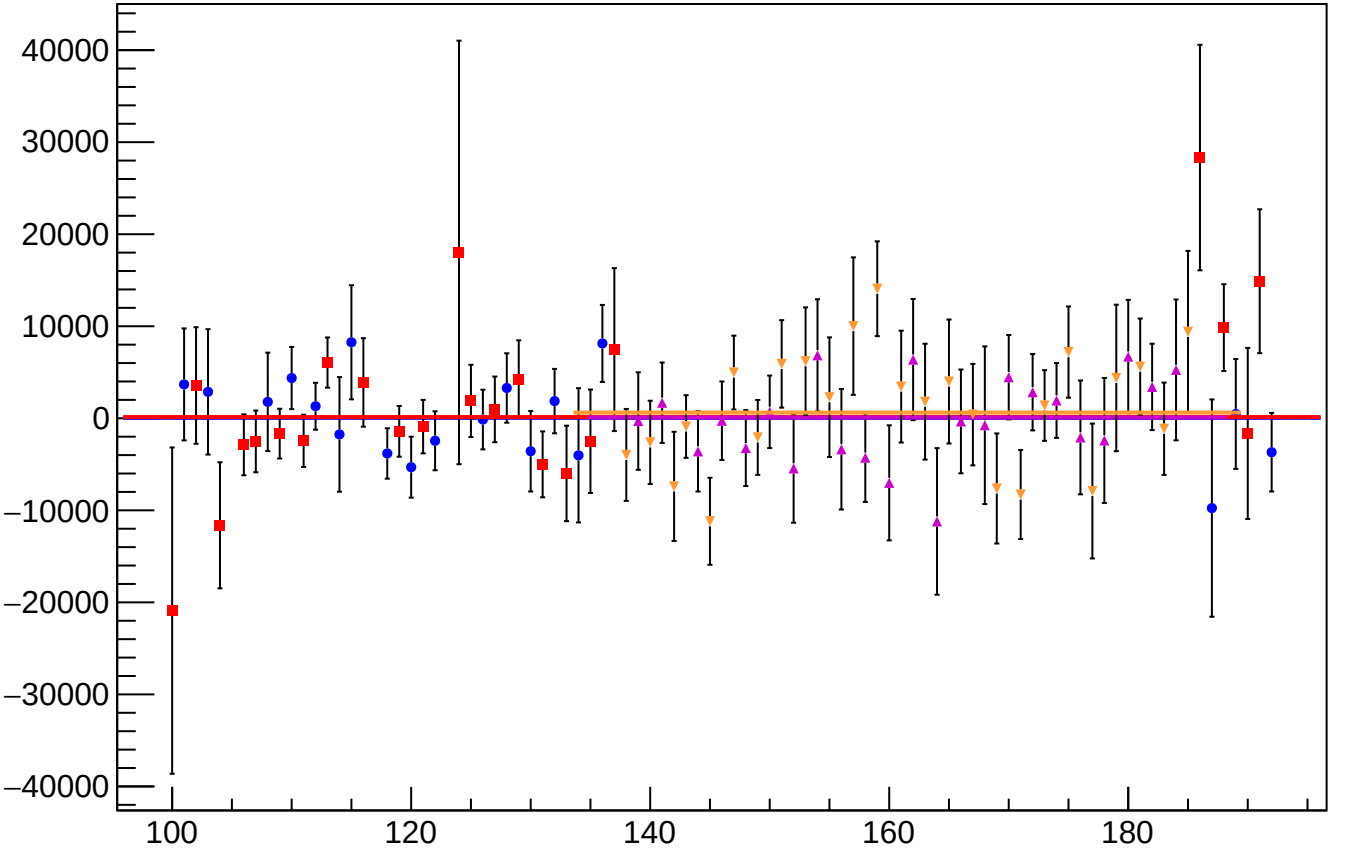
Right: 1692.456+/-0.283 χ^2/NDF: 381779.5/40

In: 1729.462+/-0.235 χ^2/NDF:258627.4/41

Out: 1749.457+/-0.236 χ^2/NDF:325146.0/45

All: 1739.430+/-0.166 χ^2/NDF: 587386.5/87

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: 129.894+/-857.706 χ^2/NDF: 32.5/22

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

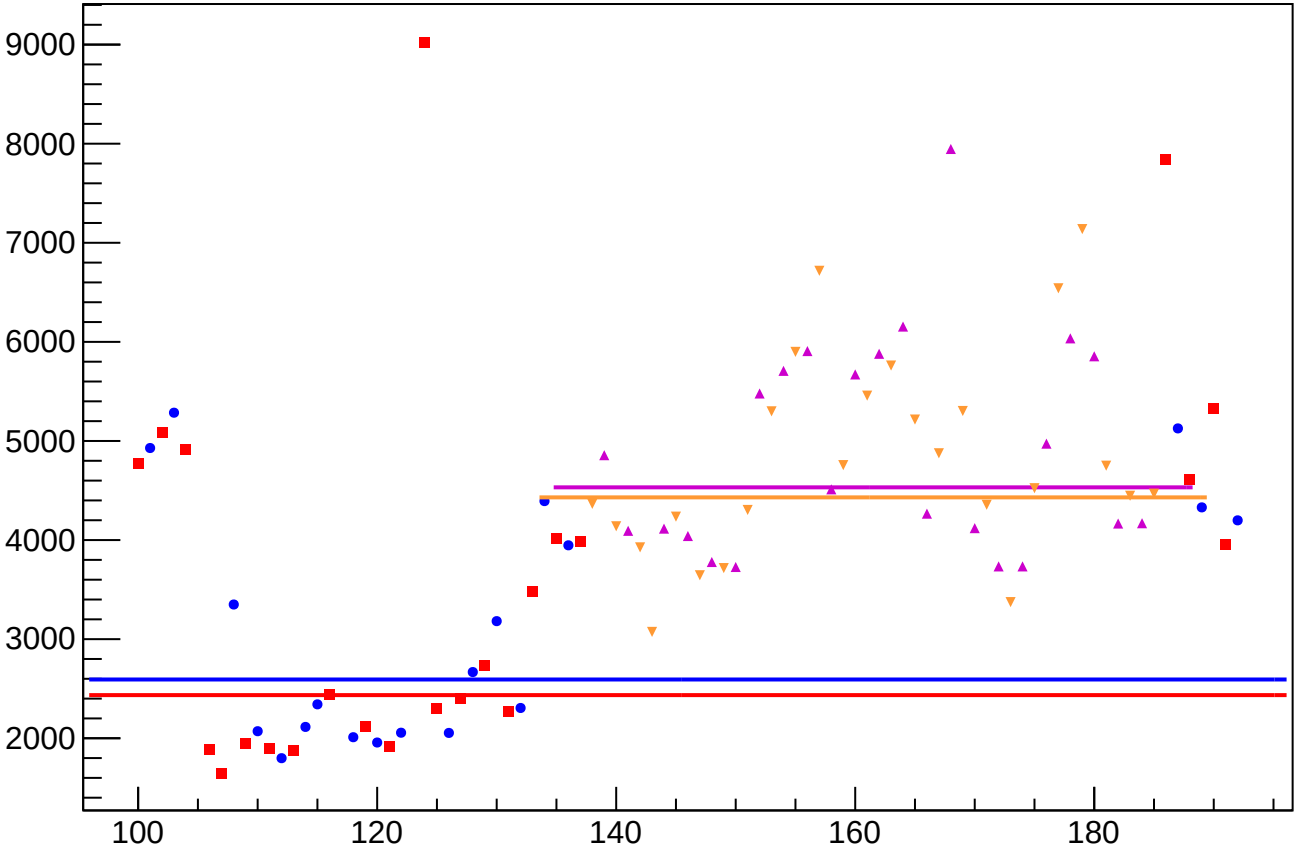
Right: 93.442+/-629.433 χ^2/NDF: 49.3/41

In: 65.536+/-703.926 χ^2/NDF:29.7/41

Out: 329.378+/-660.322 χ^2/NDF:65.7/47

All: 205.881+/-481.596 χ^2/NDF: 95.4/89

asym_atl_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 2435.315+/-0.606 χ^2/NDF: 2691329.0/22

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

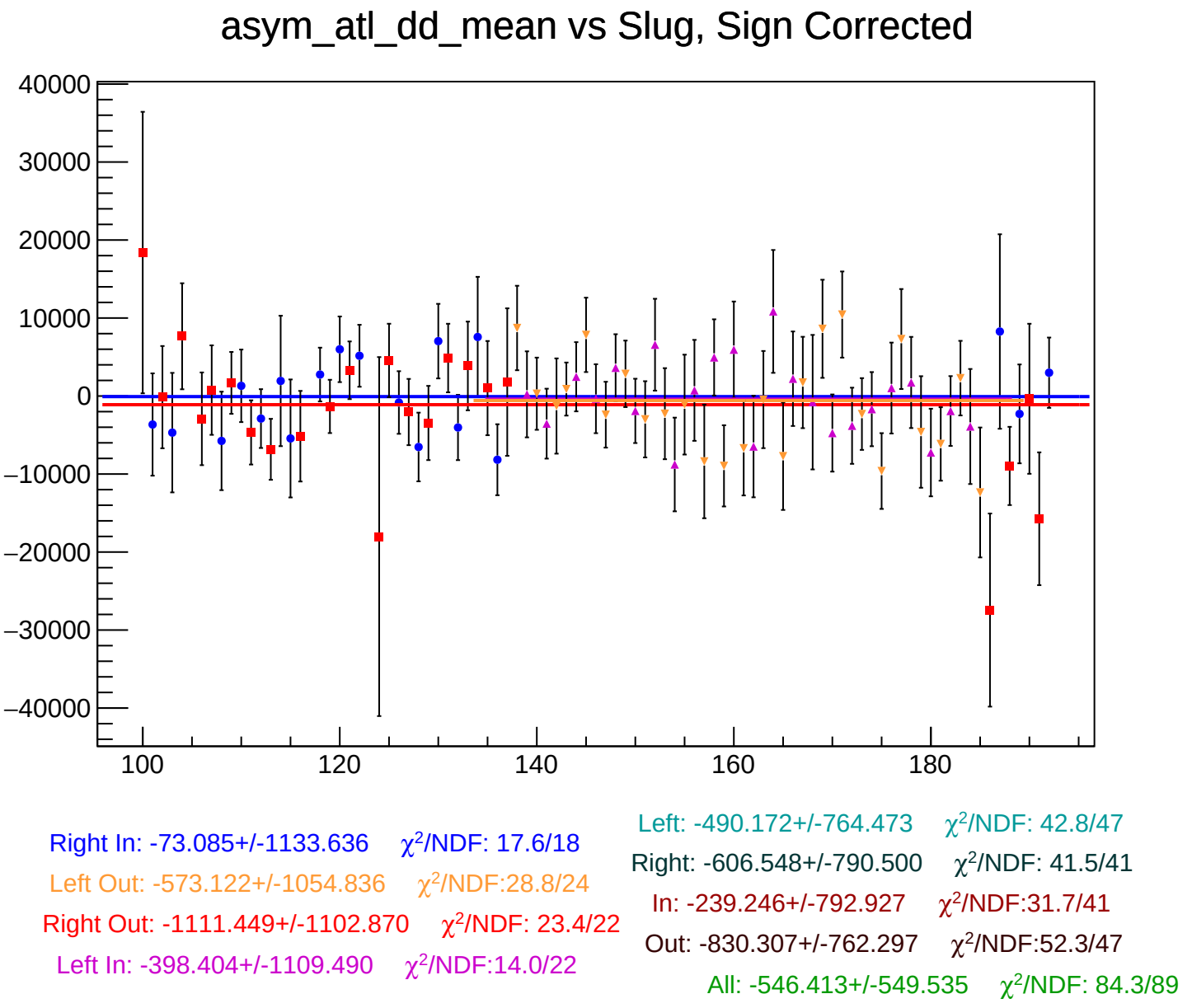
Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

Right: 2508.060+/-0.445 χ^2/NDF: 4829692.0/41

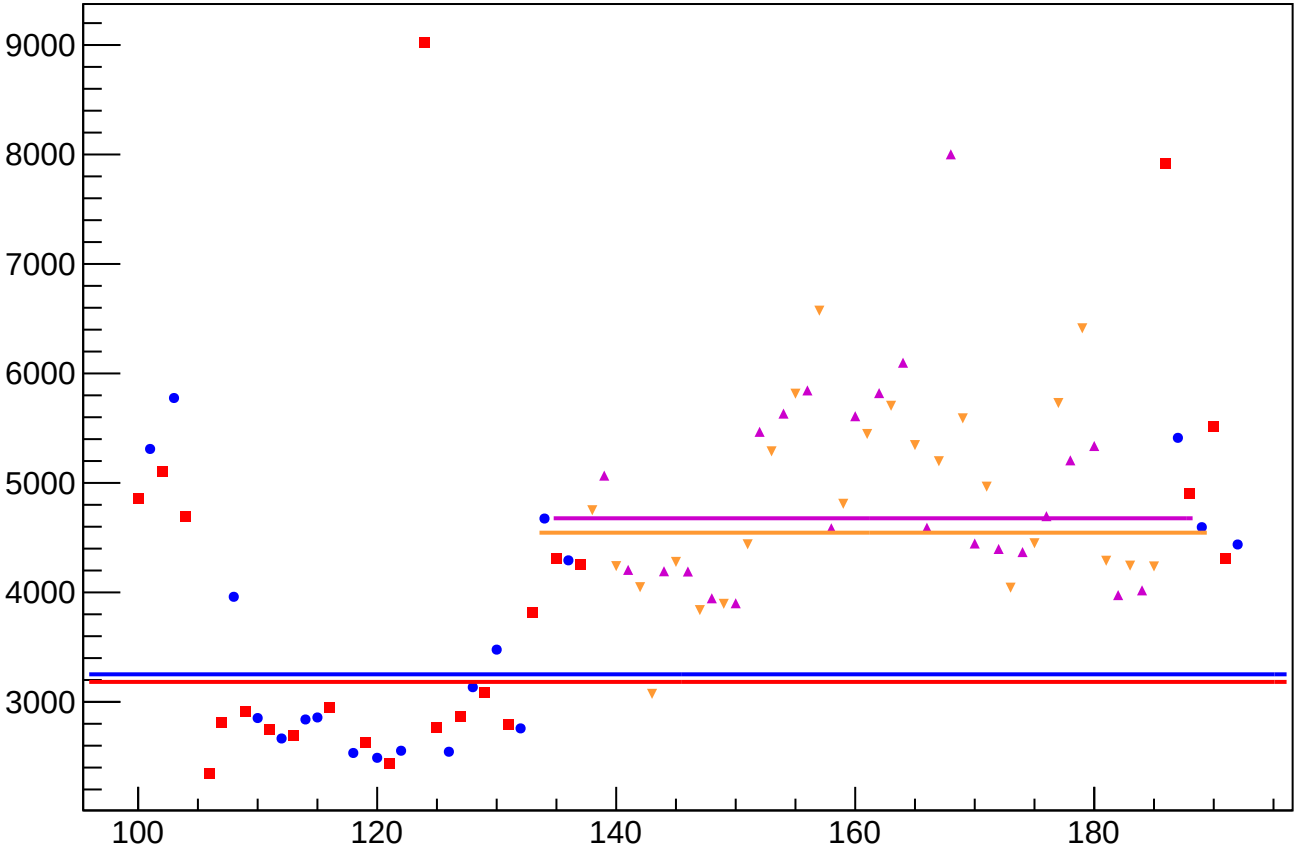
In: 3412.868+/-0.498 χ^2/NDF:7187099.5/41

Out: 3248.081+/-0.467 χ^2/NDF:8713877.5/47

All: 3325.213+/-0.341 χ^2/NDF: 15959278.2/8


asym_atl_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -73.085+/-1133.636 χ²/NDF: 17.6/18
Left Out: -573.122+/-1054.836 χ²/NDF:28.8/24
Right Out: -1111.449+/-1102.870 χ²/NDF: 23.4/22
Left In: -398.404+/-1109.490 χ²/NDF:14.0/22
Left: -490.172+/-764.473 χ²/NDF: 42.8/47
Right: -606.548+/-790.500 χ²/NDF: 41.5/41
In: -239.246+/-792.927 χ²/NDF:31.7/41
Out: -830.307+/-762.297 χ²/NDF:52.3/47
All: -546.413+/-549.535 χ²/NDF: 84.3/89

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: 3182.491+/-0.770 χ^2/NDF: 1540321.5/22

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

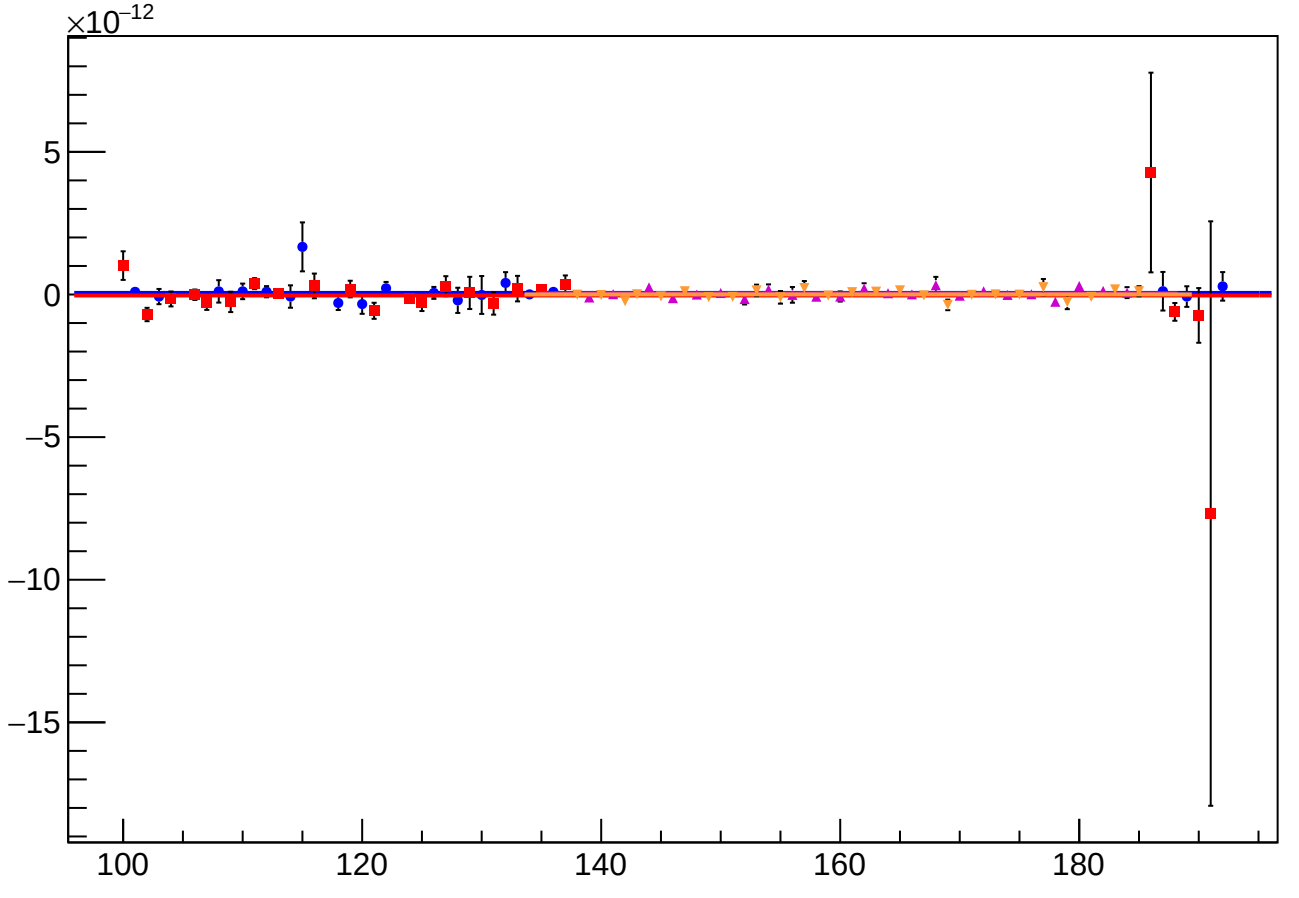
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3215.758+/-0.555 χ^2/NDF: 2828540.2/41

In: 3979.760+/-0.561 χ^2/NDF:3858908.3/41

Out: 3885.859+/-0.536 χ^2/NDF:4414917.0/47

All: 3930.681+/-0.387 χ^2/NDF: 8288485.3/89



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: 36.2/22

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

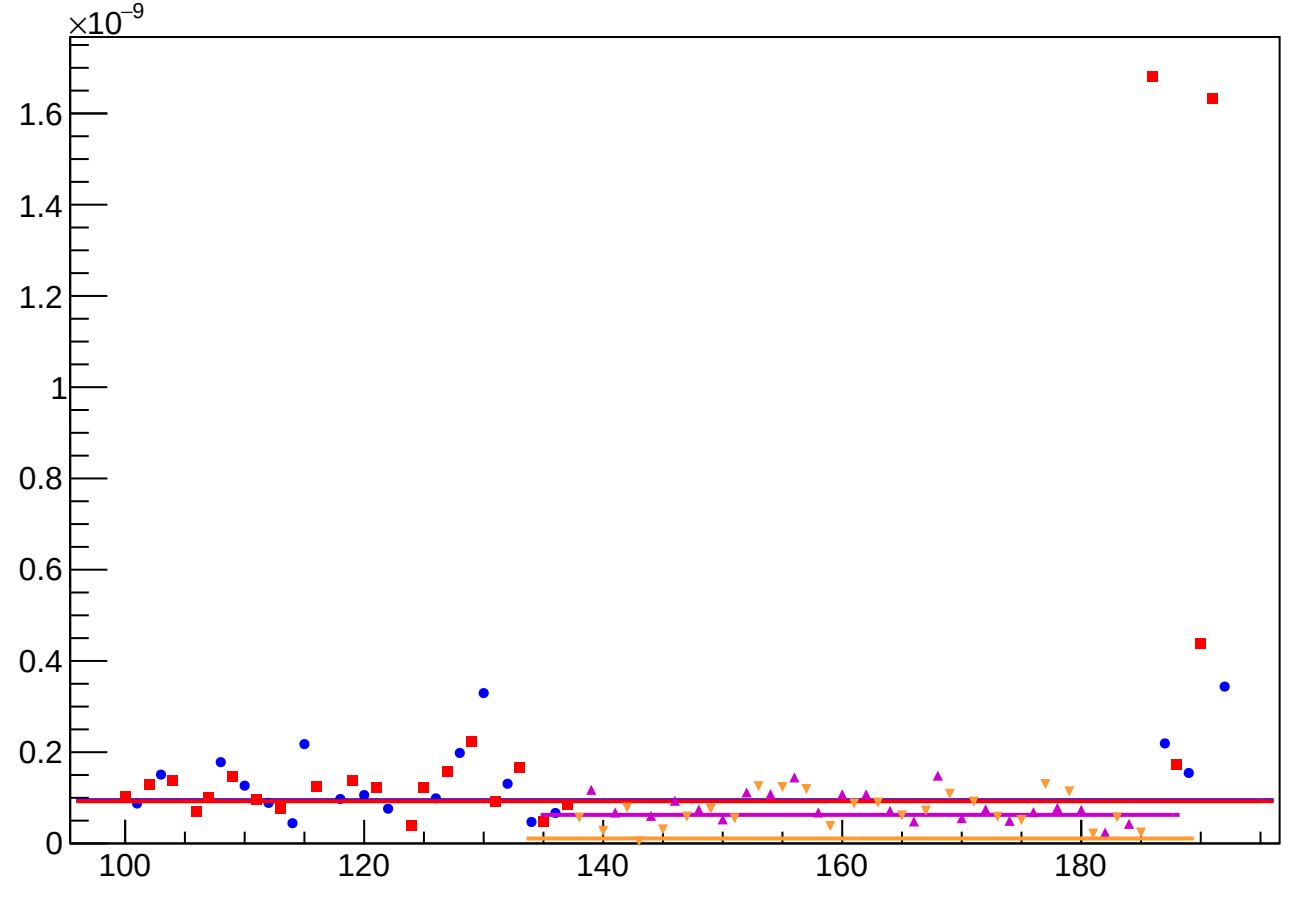
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 47.2/41

In: 0.000+/-0.000 χ^2/NDF:30.3/41

Out: 0.000+/-0.000 χ^2/NDF:54.8/47

All: 0.000+/-0.000 χ^2/NDF: 88.1/89



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: 1873010.9/22

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

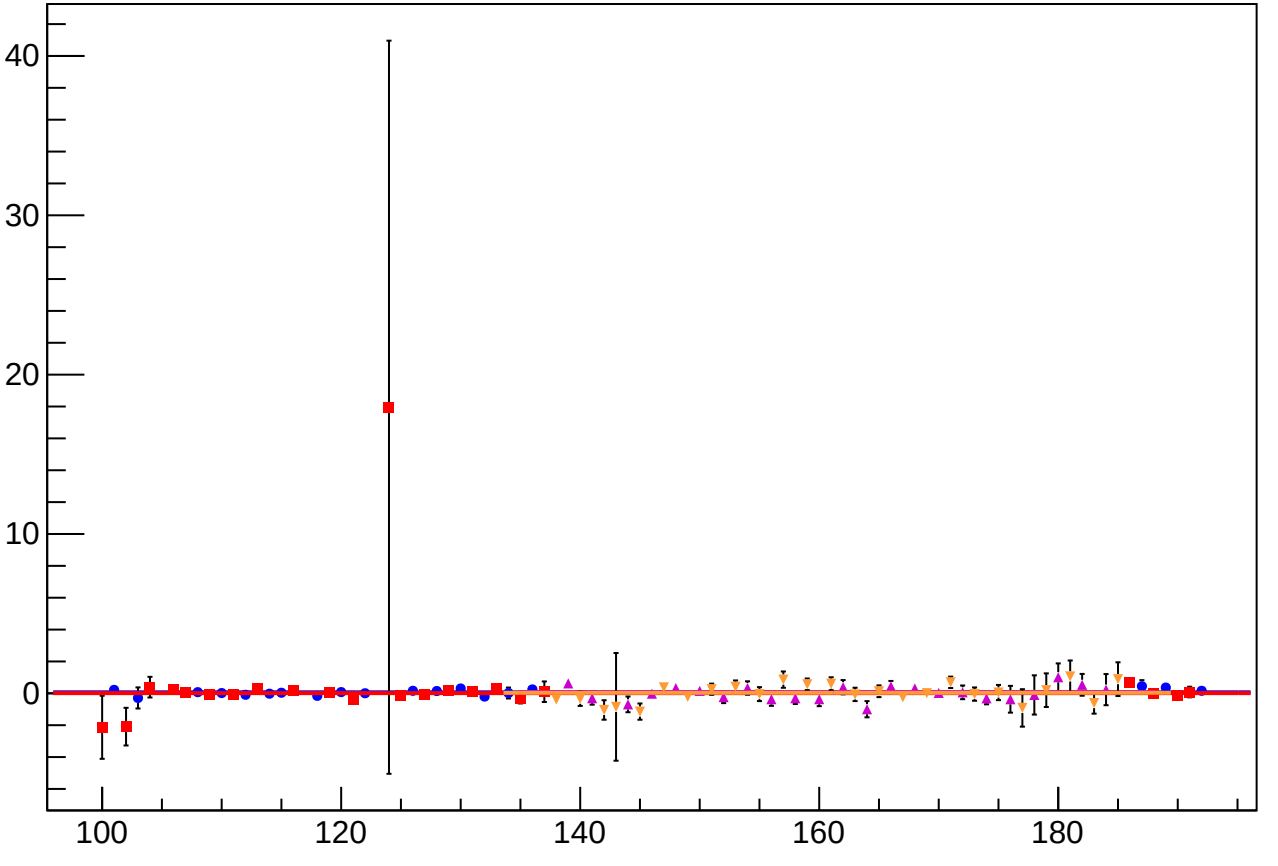
Right: 0.000+/-0.000 χ^2/NDF: 3460342.2/41

In: 0.000+/-0.000 χ^2/NDF:4230388.5/41

Out: 0.000+/-0.000 χ^2/NDF:15919167.4/47

All: 0.000+/-0.000 χ^2/NDF: 30129883.8/89

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: 0.012+/-0.037 χ^2/NDF: 28.4/22

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

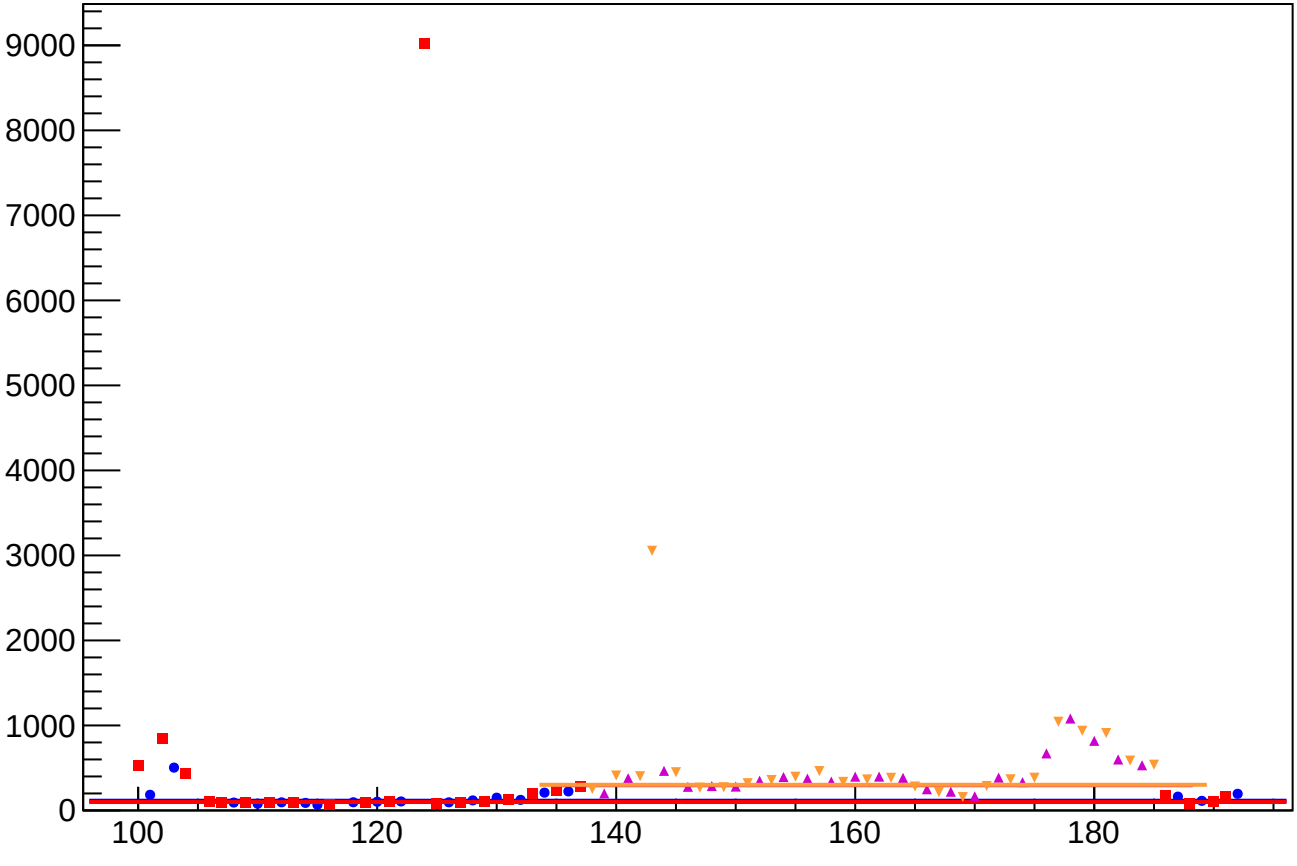
Right: 0.034+/-0.028 χ^2/NDF: 43.4/41

In: 0.066+/-0.037 χ^2/NDF:38.3/41

Out: 0.017+/-0.033 χ^2/NDF:58.2/47

All: 0.039+/-0.025 χ^2/NDF: 97.4/89

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 99.118+/-0.026 χ^2/NDF: 2974902.9/22

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

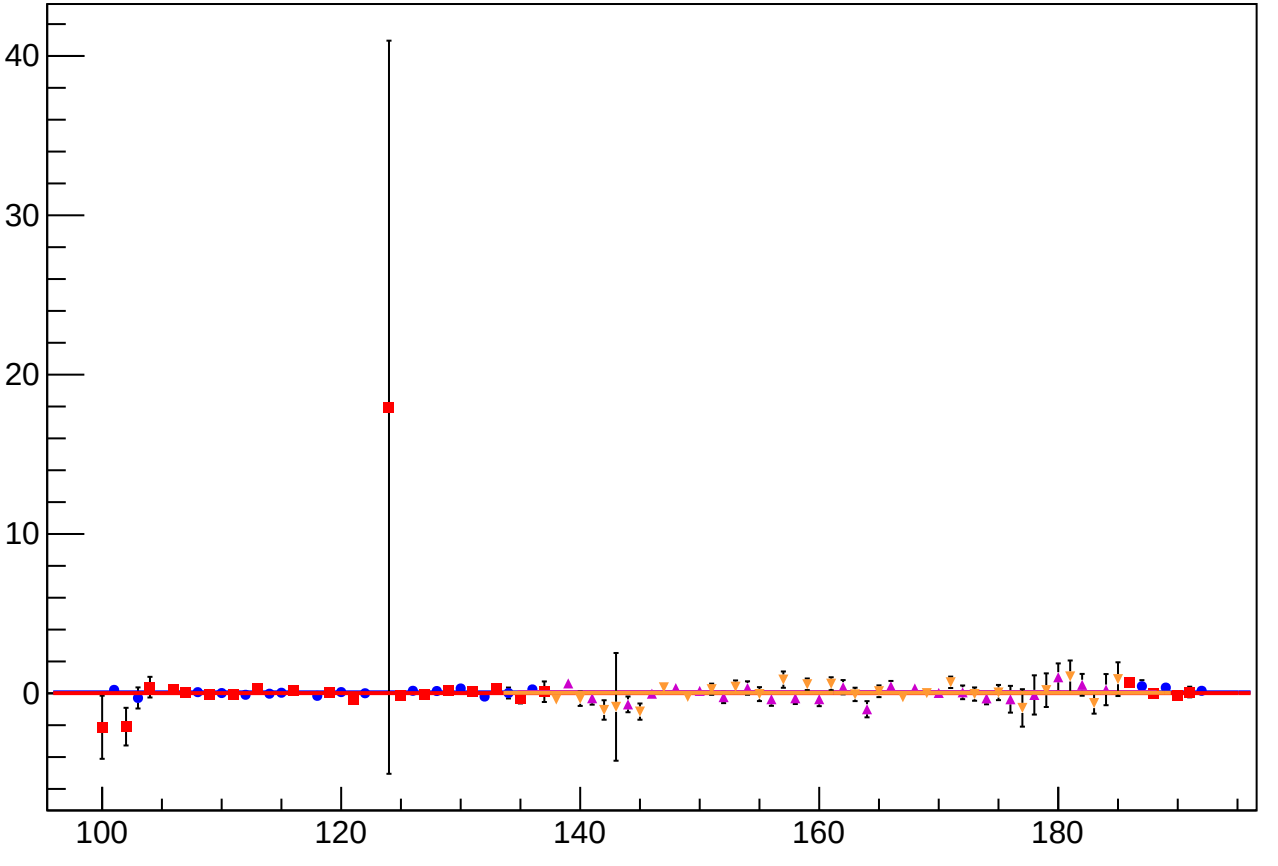
Right: 105.780+/-0.020 χ^2/NDF: 5415648.7/41

In: 157.970+/-0.026 χ^2/NDF:16044339.4/41

Out: 137.379+/-0.024 χ^2/NDF:20921517.5/47

All: 146.637+/-0.018 χ^2/NDF: 37307013.6/89

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: 0.012+/-0.037 χ^2/NDF: 28.4/22

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

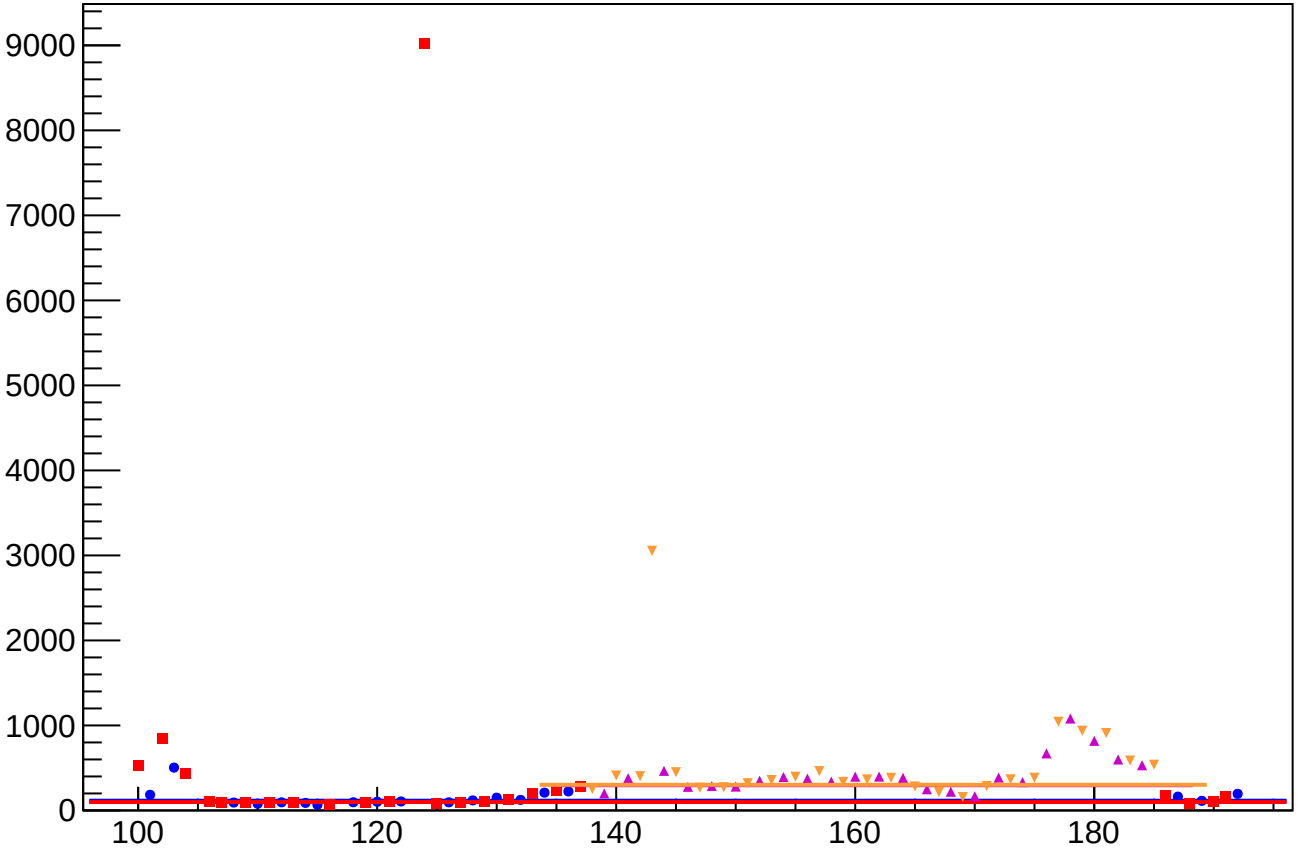
Right: 0.034+/-0.028 χ^2/NDF: 43.4/41

In: 0.066+/-0.037 χ^2/NDF:38.3/41

Out: 0.017+/-0.033 χ^2/NDF:58.2/47

All: 0.039+/-0.025 χ^2/NDF: 97.4/89

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 99.118+/-0.026 χ^2/NDF: 2974902.9/22

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

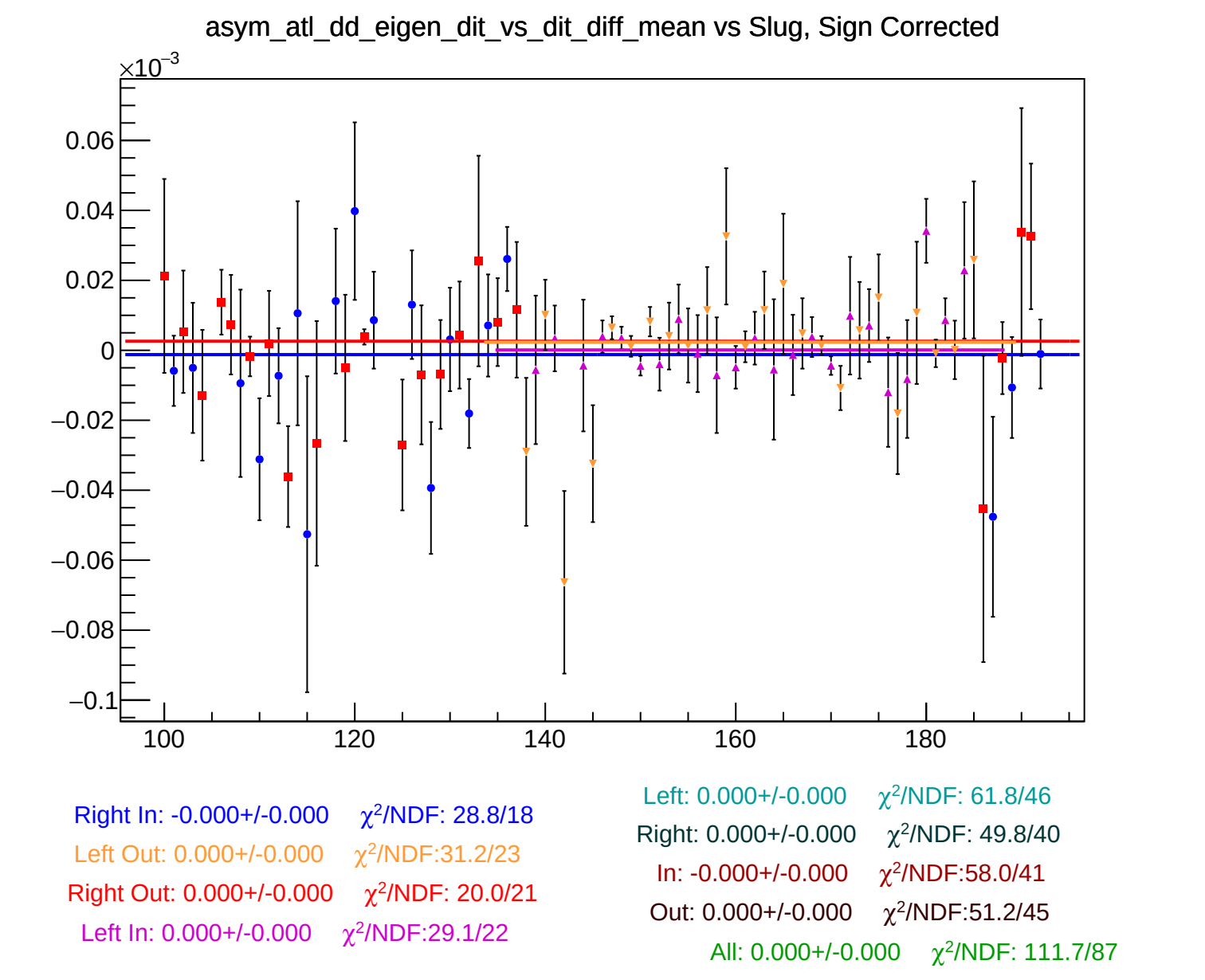
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

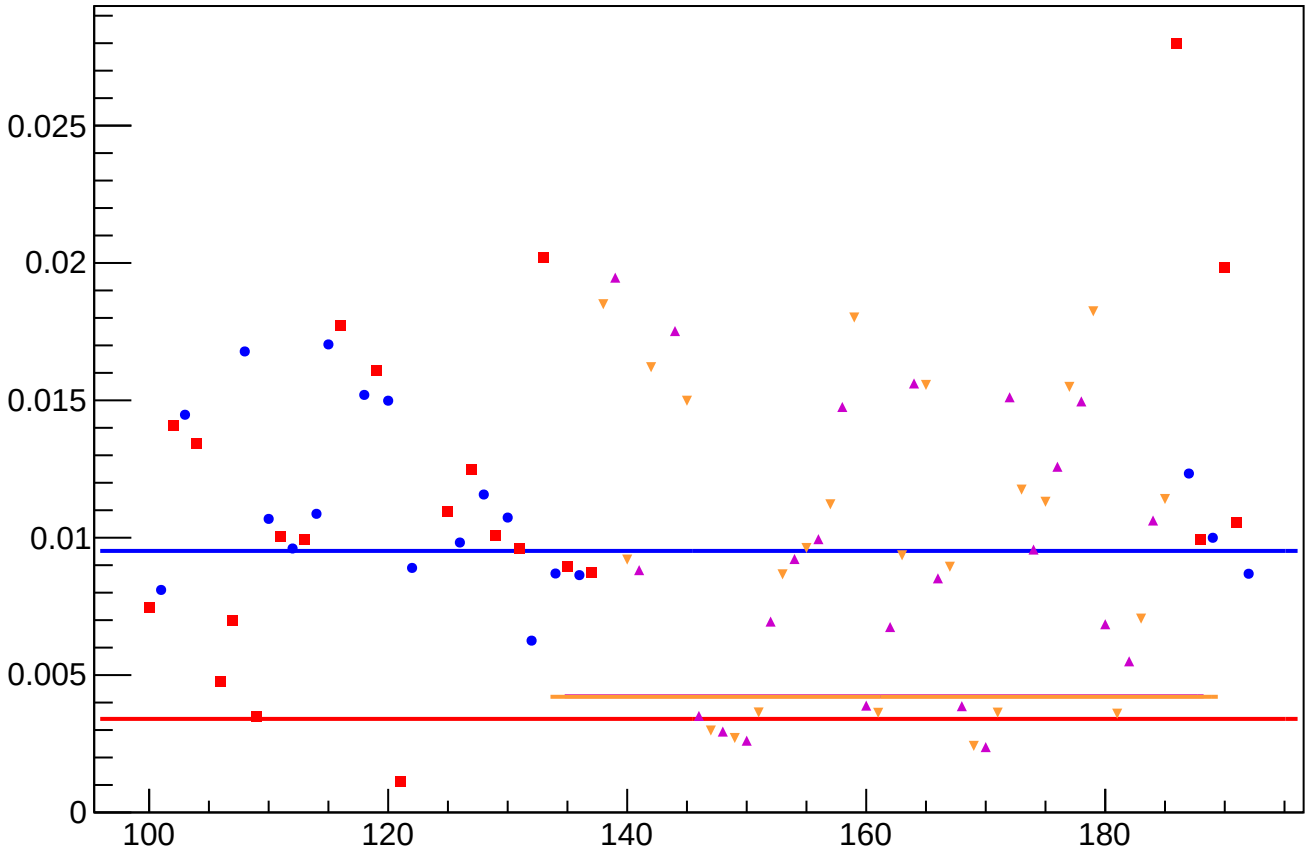
Right: 105.780+/-0.020 χ^2/NDF: 5415648.7/41

In: 157.970+/-0.026 χ^2/NDF:16044339.4/41

Out: 137.379+/-0.024 χ^2/NDF:20921517.5/47

All: 146.637+/-0.018 χ^2/NDF: 37307013.6/89


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: 20.0/21
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: 49.8/40
In: -0.000+/-0.000 χ²/NDF:58.0/41
Out: 0.000+/-0.000 χ²/NDF:51.2/45
All: 0.000+/-0.000 χ²/NDF: 111.7/87



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: 0.003+/-0.000 χ^2/NDF: 10288346.6/21

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

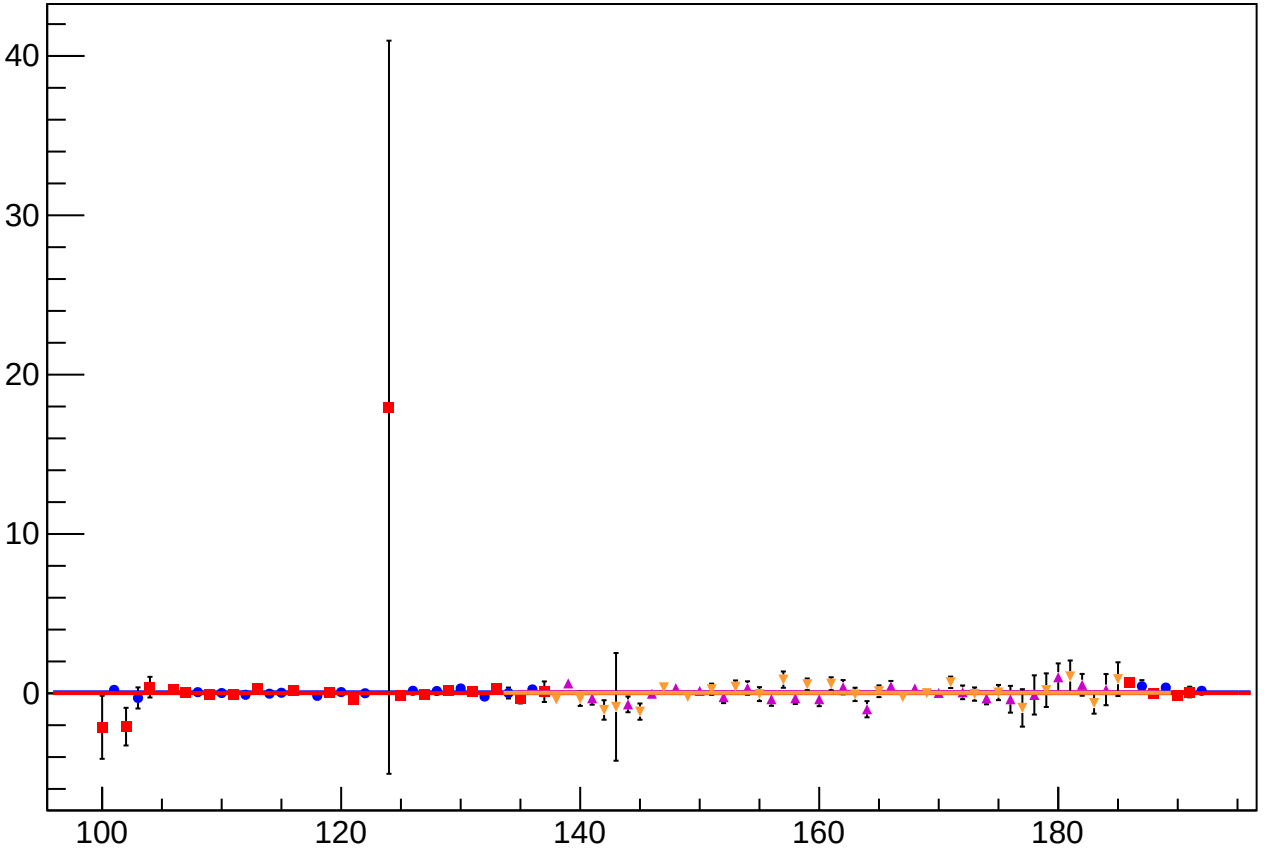
Right: 0.005+/-0.000 χ^2/NDF: 16390212.8/40

In: 0.005+/-0.000 χ^2/NDF:16316673.2/41

Out: 0.004+/-0.000 χ^2/NDF:22638374.9/45

All: 0.004+/-0.000 χ^2/NDF: 39675131.1/87

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: 0.012+/-0.037 χ^2/NDF: 28.4/22

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

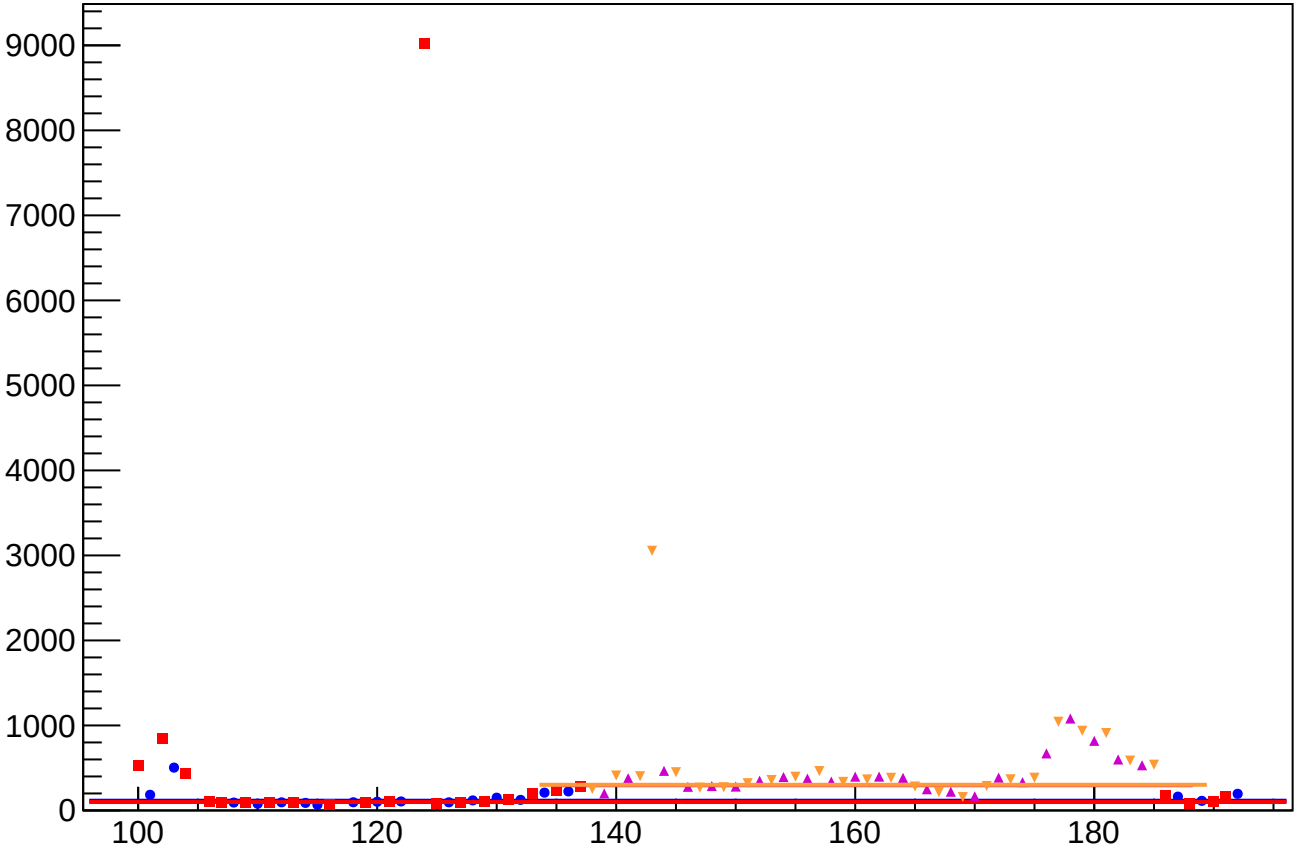
Right: 0.034+/-0.028 χ^2/NDF: 43.4/41

In: 0.066+/-0.037 χ^2/NDF:38.3/41

Out: 0.017+/-0.033 χ^2/NDF:58.2/47

All: 0.039+/-0.025 χ^2/NDF: 97.4/89

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: 99.119+/-0.026 χ^2/NDF: 2974762.0/22

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

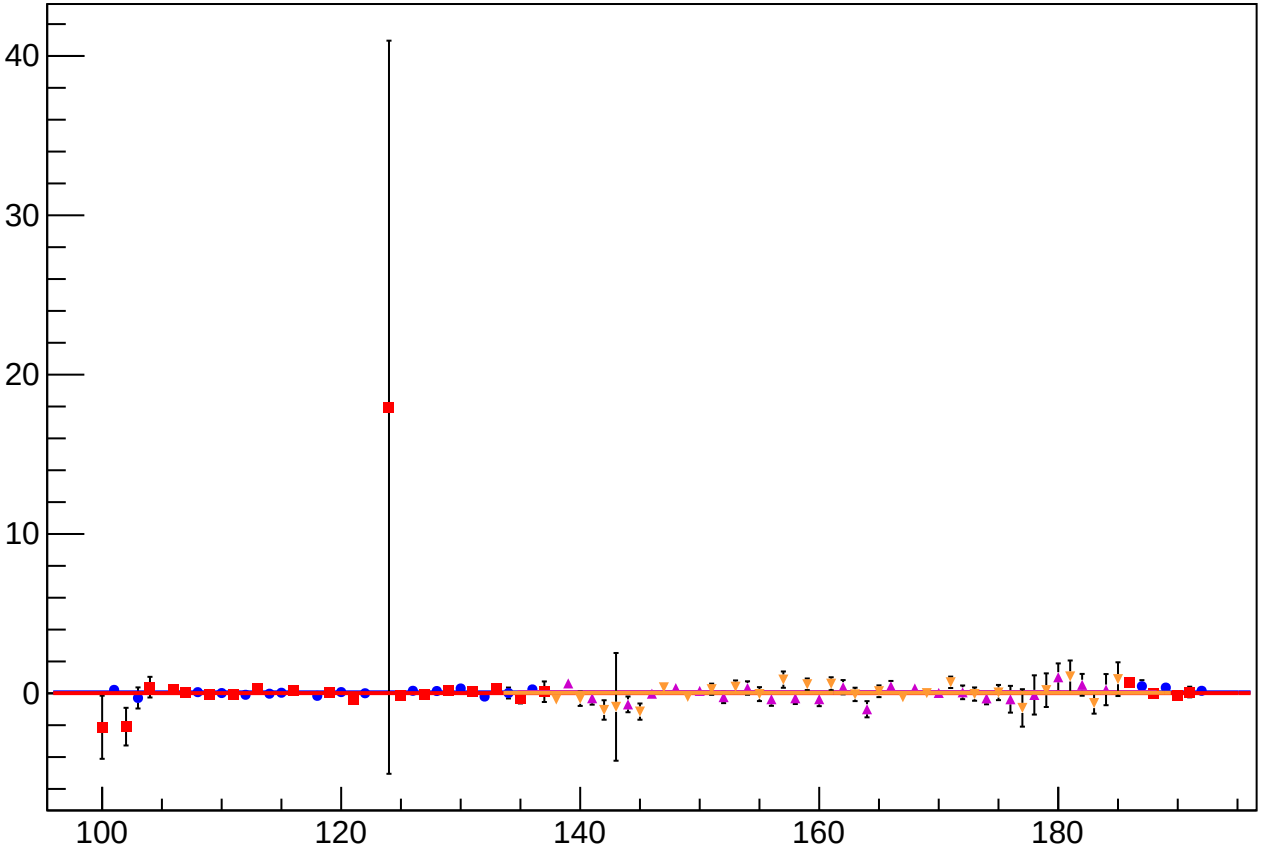
Right: 105.781+/-0.020 χ^2/NDF: 5415428.8/41

In: 157.970+/-0.026 χ^2/NDF:16044374.9/41

Out: 137.379+/-0.024 χ^2/NDF:20921428.9/47

All: 146.637+/-0.018 χ^2/NDF: 37306949.7/89

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: 0.012+/-0.037 χ^2/NDF: 28.4/22

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

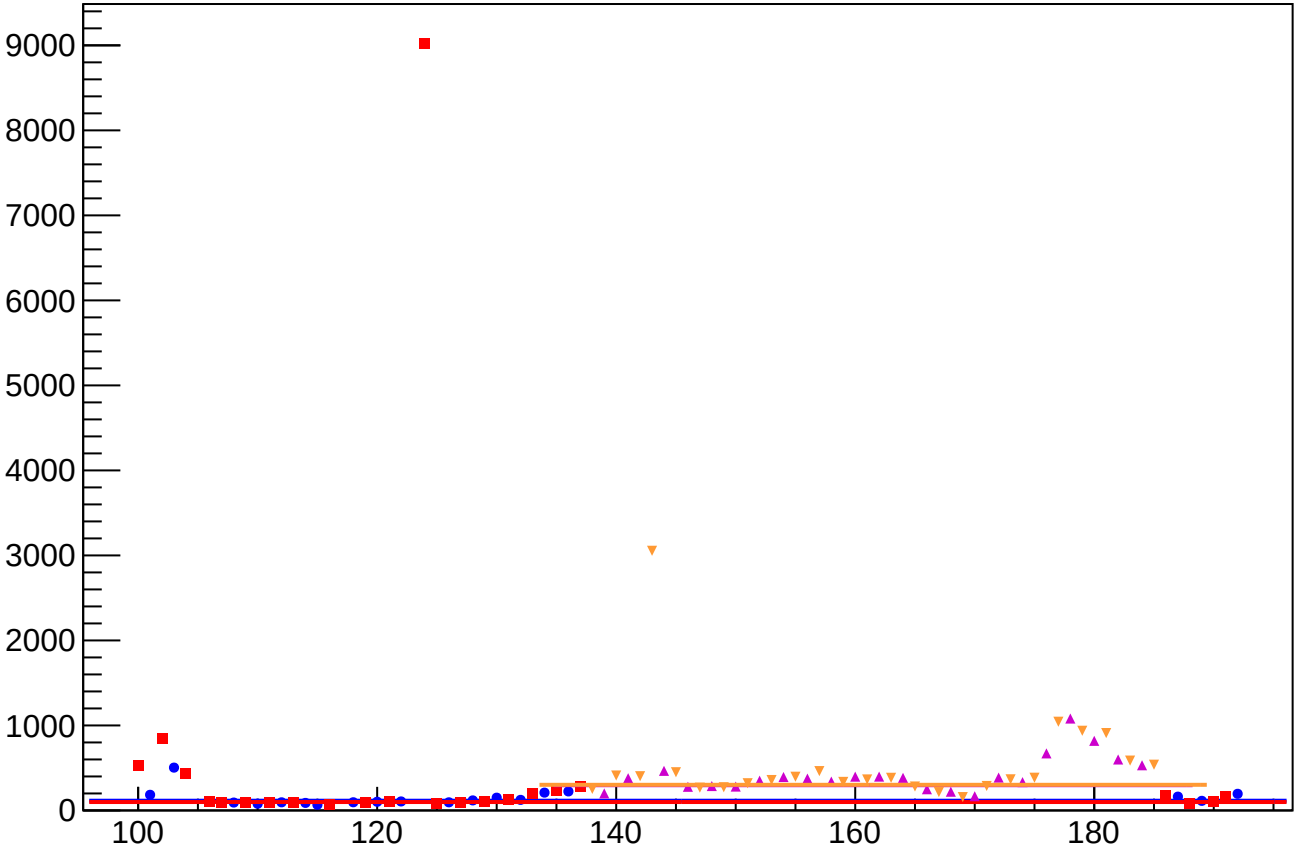
Right: 0.034+/-0.028 χ^2/NDF: 43.4/41

In: 0.066+/-0.037 χ^2/NDF:38.3/41

Out: 0.017+/-0.033 χ^2/NDF:58.2/47

All: 0.039+/-0.025 χ^2/NDF: 97.4/89

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: 99.119+/-0.026 χ^2/NDF: 2974762.0/22

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

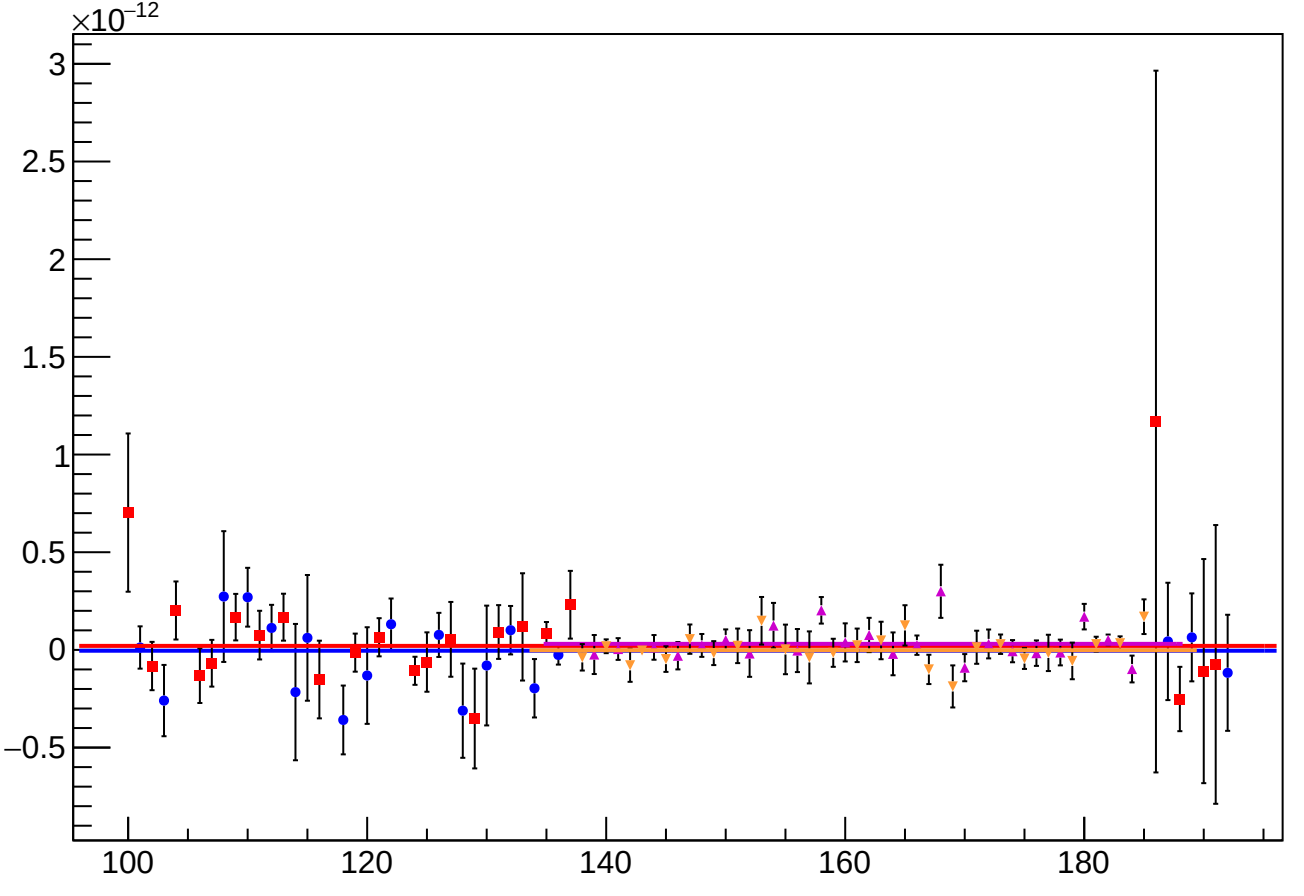
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 105.781+/-0.020 χ^2/NDF: 5415428.8/41

In: 157.970+/-0.026 χ^2/NDF:16044374.9/41

Out: 137.379+/-0.024 χ^2/NDF:20921428.9/47

All: 146.637+/-0.018 χ^2/NDF: 37306949.7/89



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: 22.9/22

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

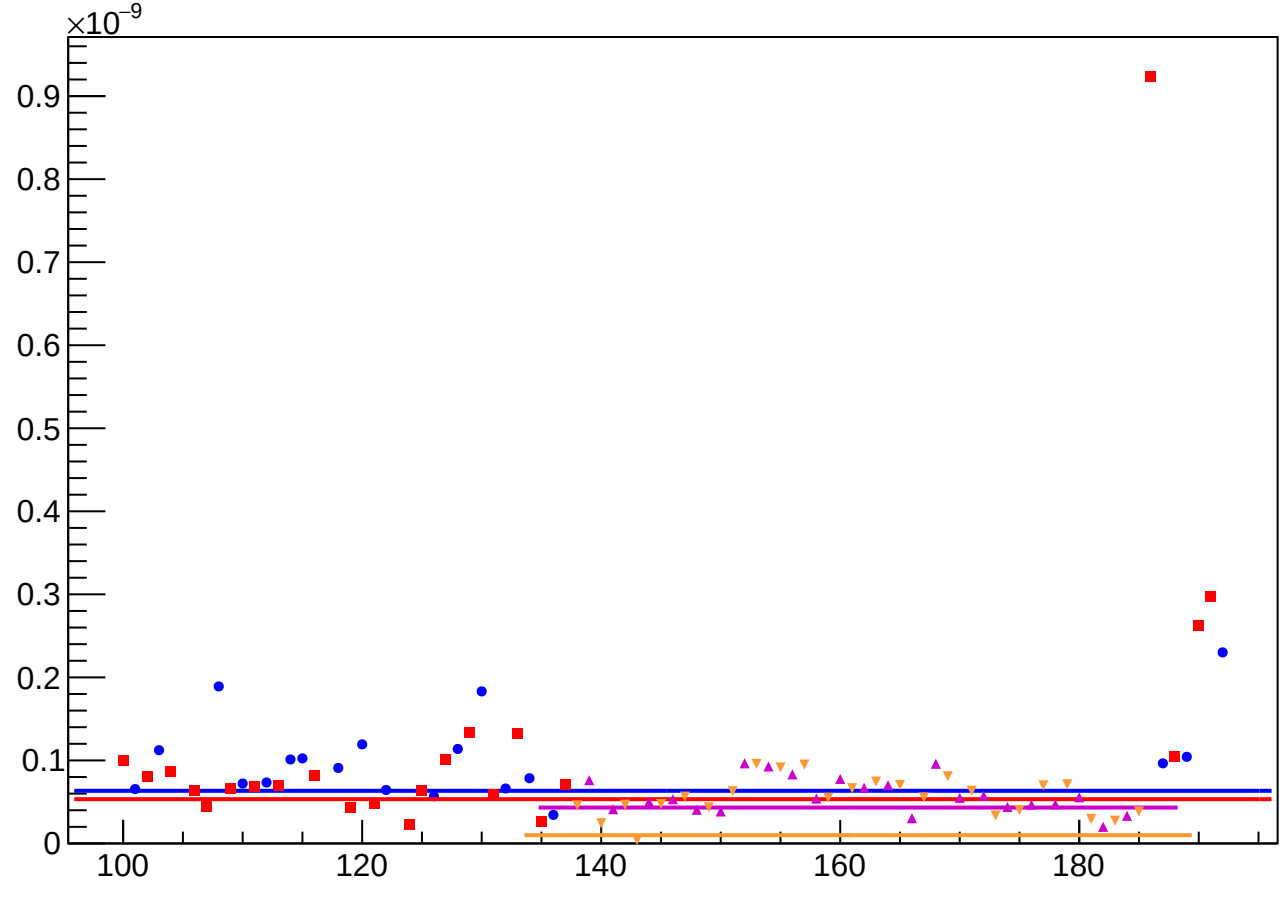
Right: 0.000+/-0.000 χ^2/NDF: 41.0/41

In: 0.000+/-0.000 χ^2/NDF:45.2/41

Out: -0.000+/-0.000 χ^2/NDF:41.3/47

All: 0.000+/-0.000 χ^2/NDF: 90.5/89

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 2845943.4/22

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

Left: 0.000+/-0.000 χ^2/NDF: 33507700.8/47

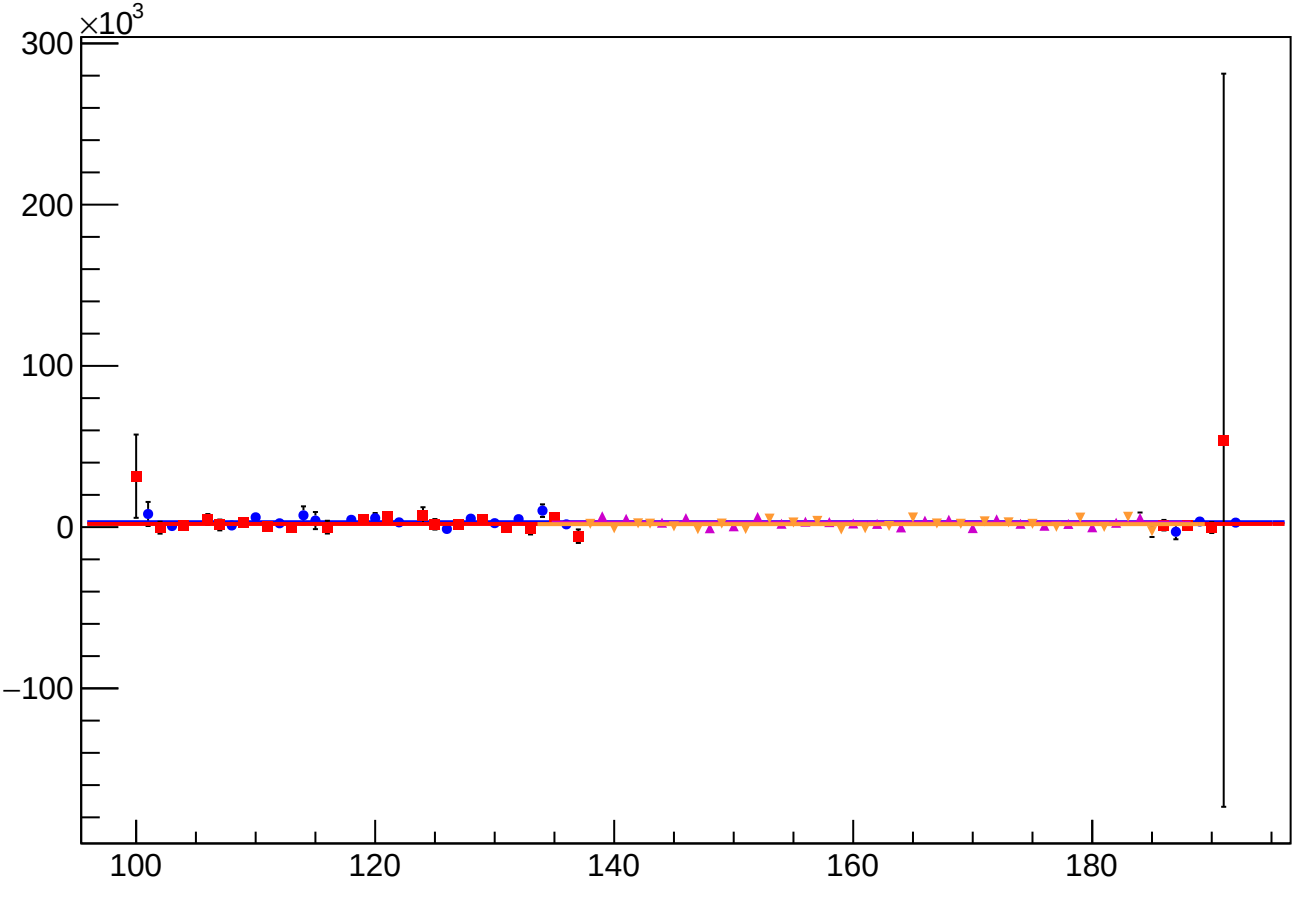
Right: 0.000+/-0.000 χ^2/NDF: 5451518.3/41

In: 0.000+/-0.000 χ^2/NDF:7246373.2/41

Out: 0.000+/-0.000 χ^2/NDF:26421721.4/47

All: 0.000+/-0.000 χ^2/NDF: 47558355.6/89

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: 1969.344+/-647.292 χ^2/NDF: 17.6/22

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

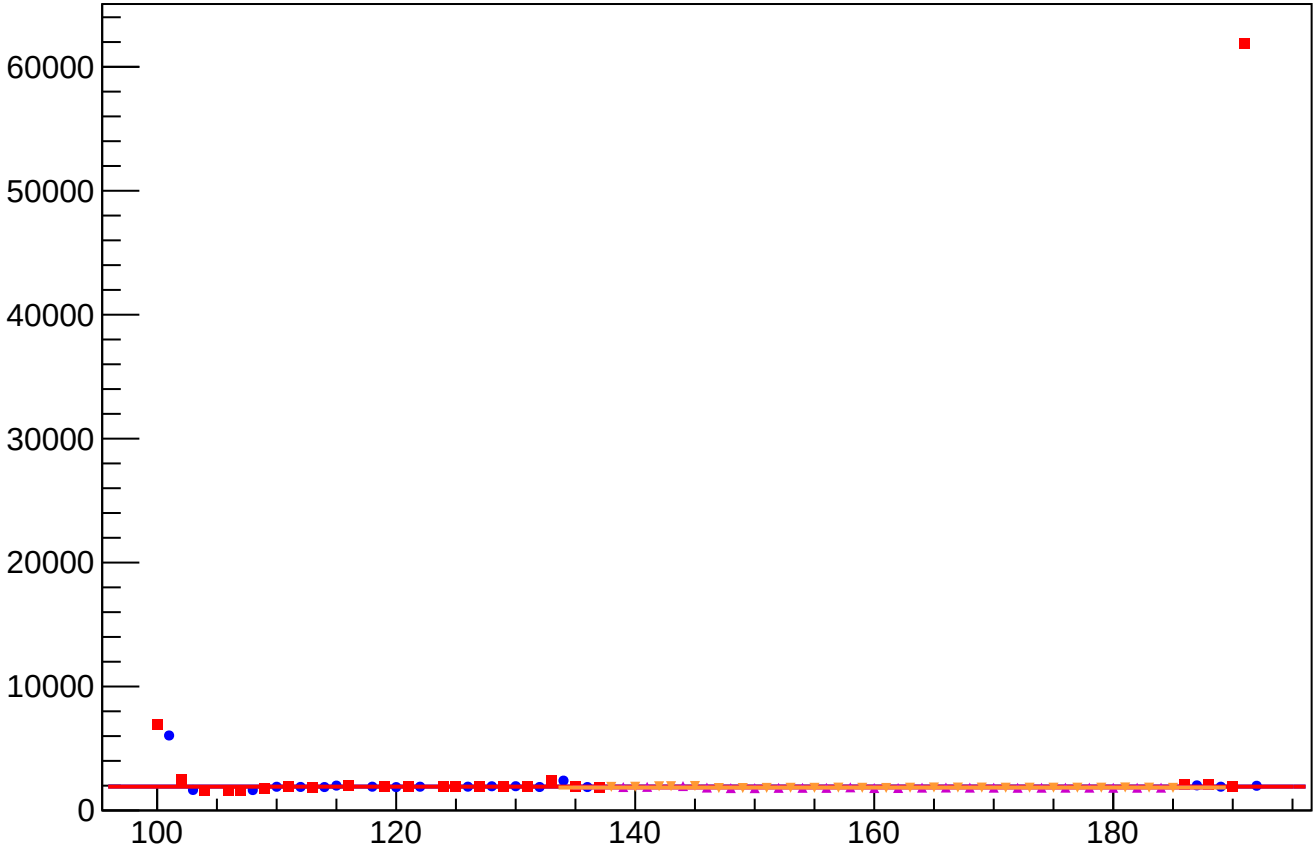
Right: 2494.695+/-461.603 χ^2/NDF: 32.3/41

In: 2854.489+/-360.540 χ^2/NDF:39.0/41

Out: 1886.767+/-352.334 χ^2/NDF:49.1/47

All: 2359.489+/-251.989 χ^2/NDF: 91.7/89

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: 1920.681+/-0.456 χ^2/NDF: 396096.9/22

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

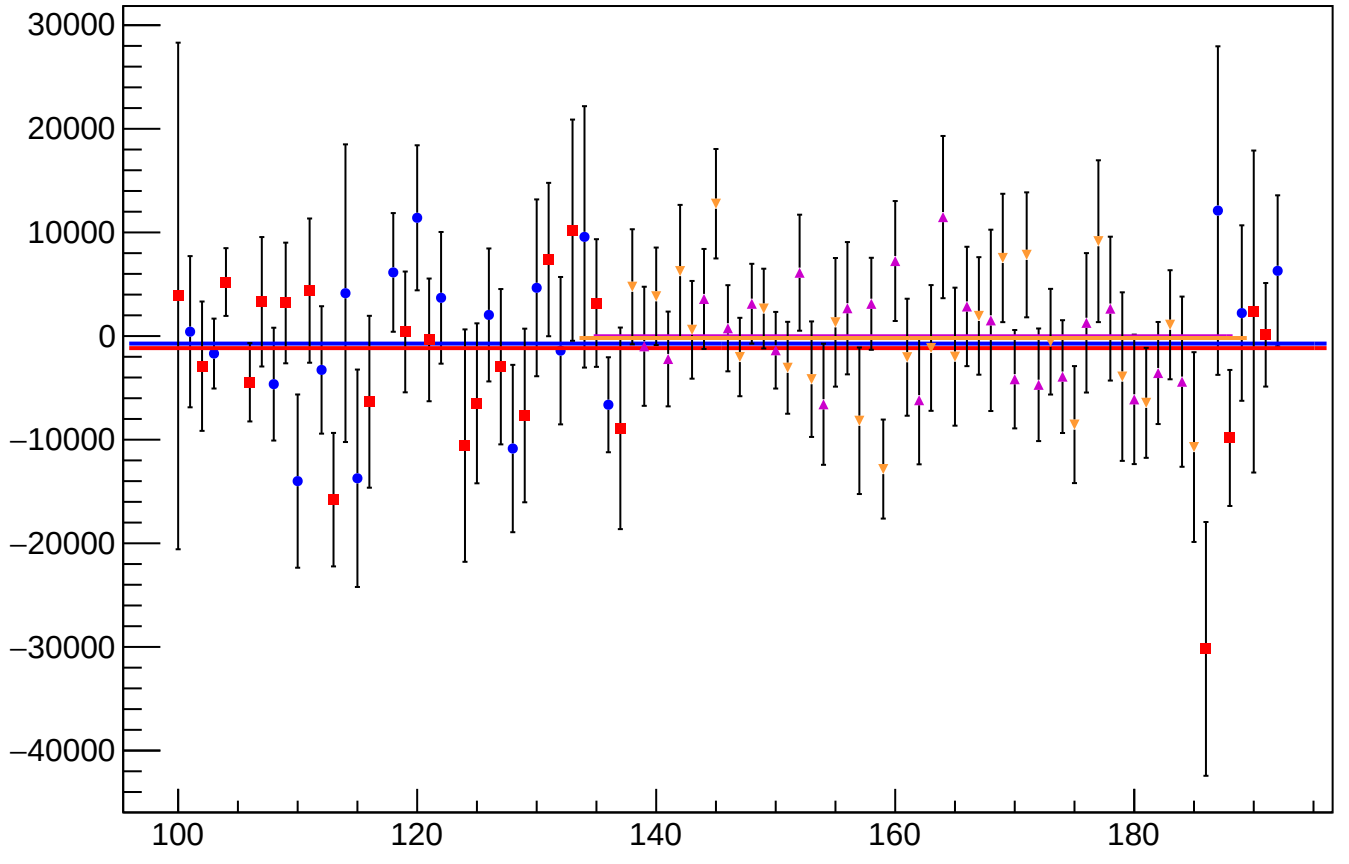
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1924.864+/-0.326 χ^2/NDF: 1096654.0/41

In: 1870.292+/-0.255 χ^2/NDF:737286.6/41

Out: 1869.988+/-0.249 χ^2/NDF:434545.2/47

All: 1870.136+/-0.178 χ^2/NDF: 1171832.6/89



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: -1164.328+/-1338.672 χ^2/NDF: 24.9/22

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

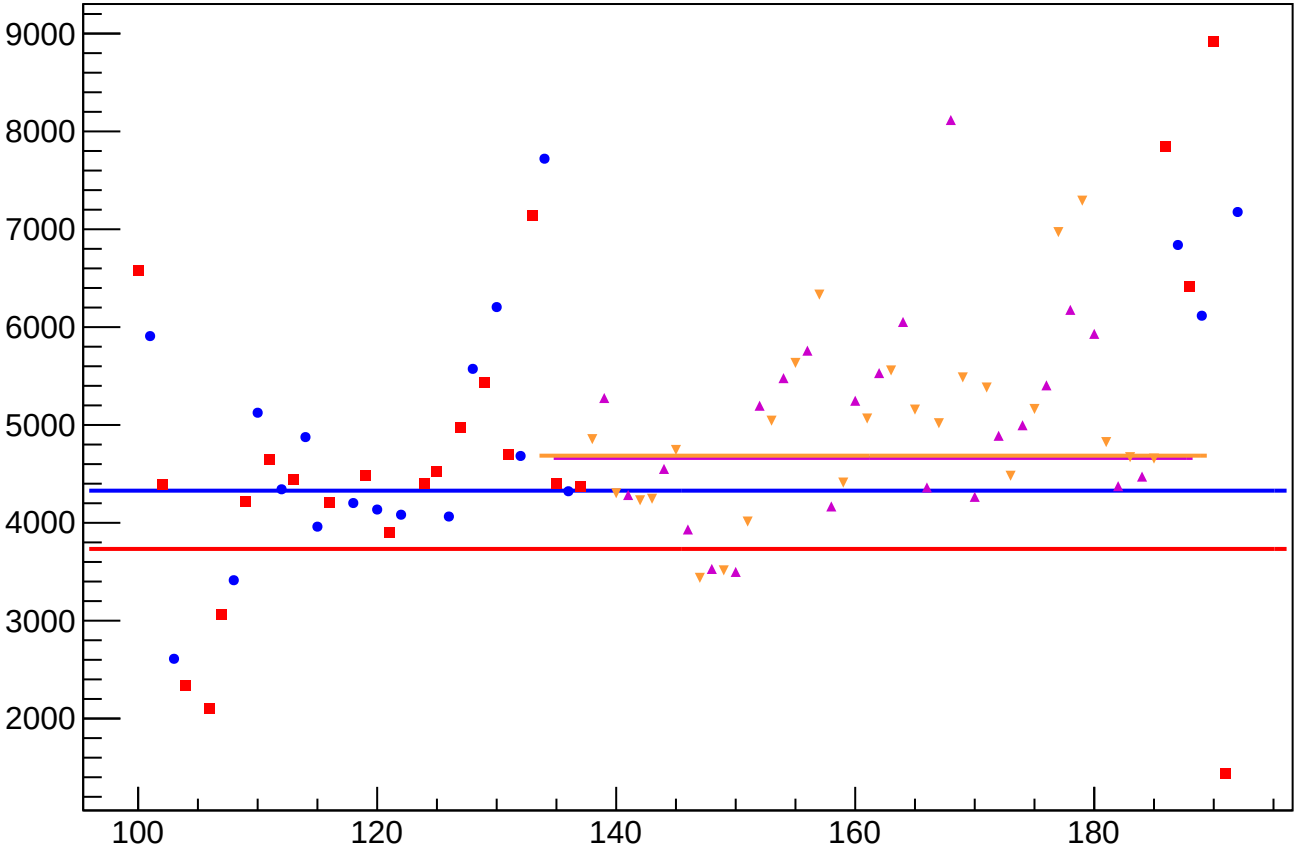
Right: -972.736+/-1003.716 χ^2/NDF: 41.1/41

In: -266.802+/-897.138 χ^2/NDF:30.0/41

Out: -577.519+/-844.599 χ^2/NDF:54.2/47

All: -431.525+/-614.957 χ^2/NDF: 84.2/89

asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected



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: 3733.209+/-0.947 χ^2/NDF: 2562913.7/22

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

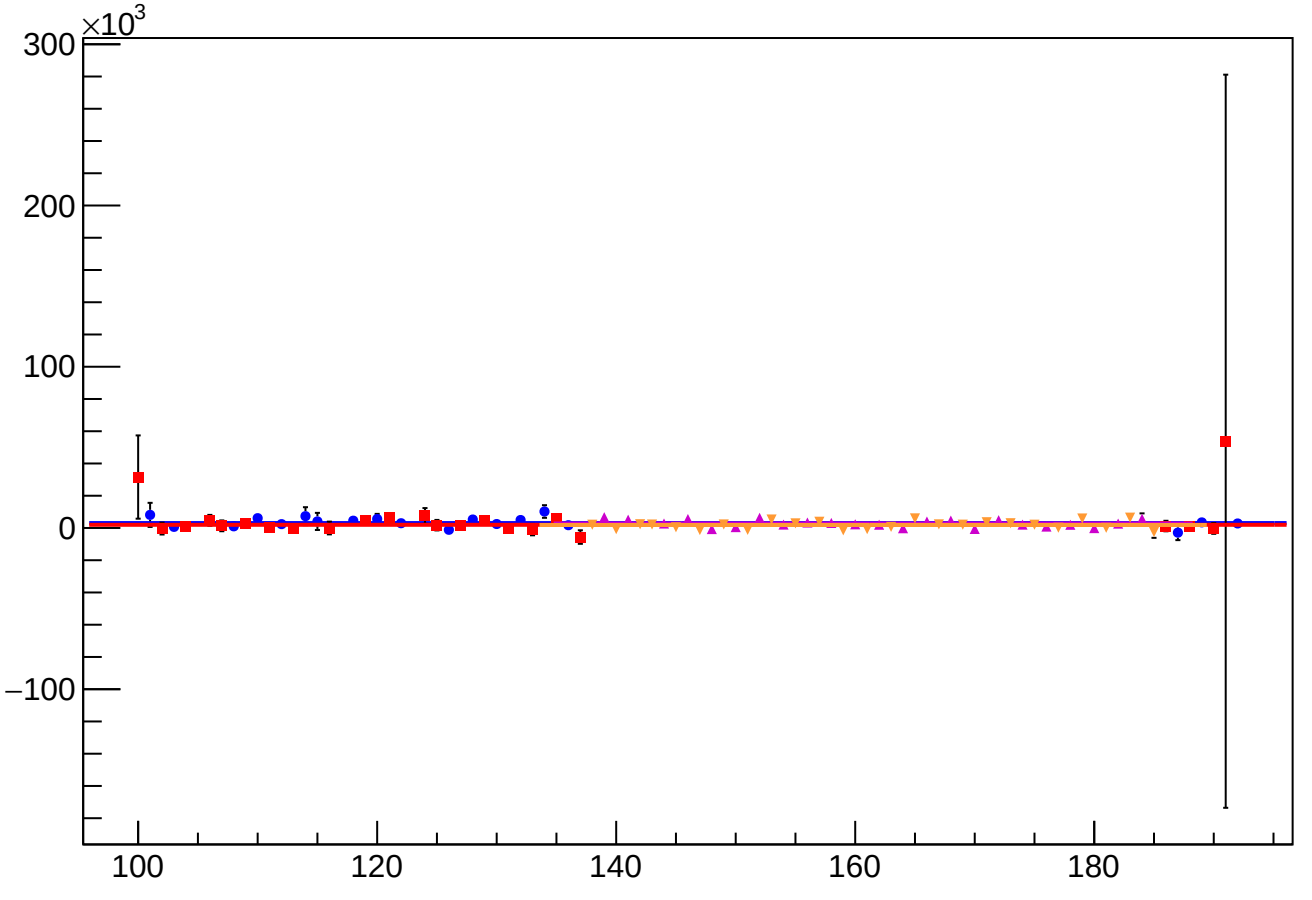
Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

Right: 3993.911+/-0.710 χ^2/NDF: 4176308.9/41

In: 4546.233+/-0.634 χ^2/NDF:2790145.0/41

Out: 4306.939+/-0.597 χ^2/NDF:4358288.3/47

All: 4419.374+/-0.435 χ^2/NDF: 7223866.9/89



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: 1970.241+/-647.295 χ^2/NDF: 17.6/22

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

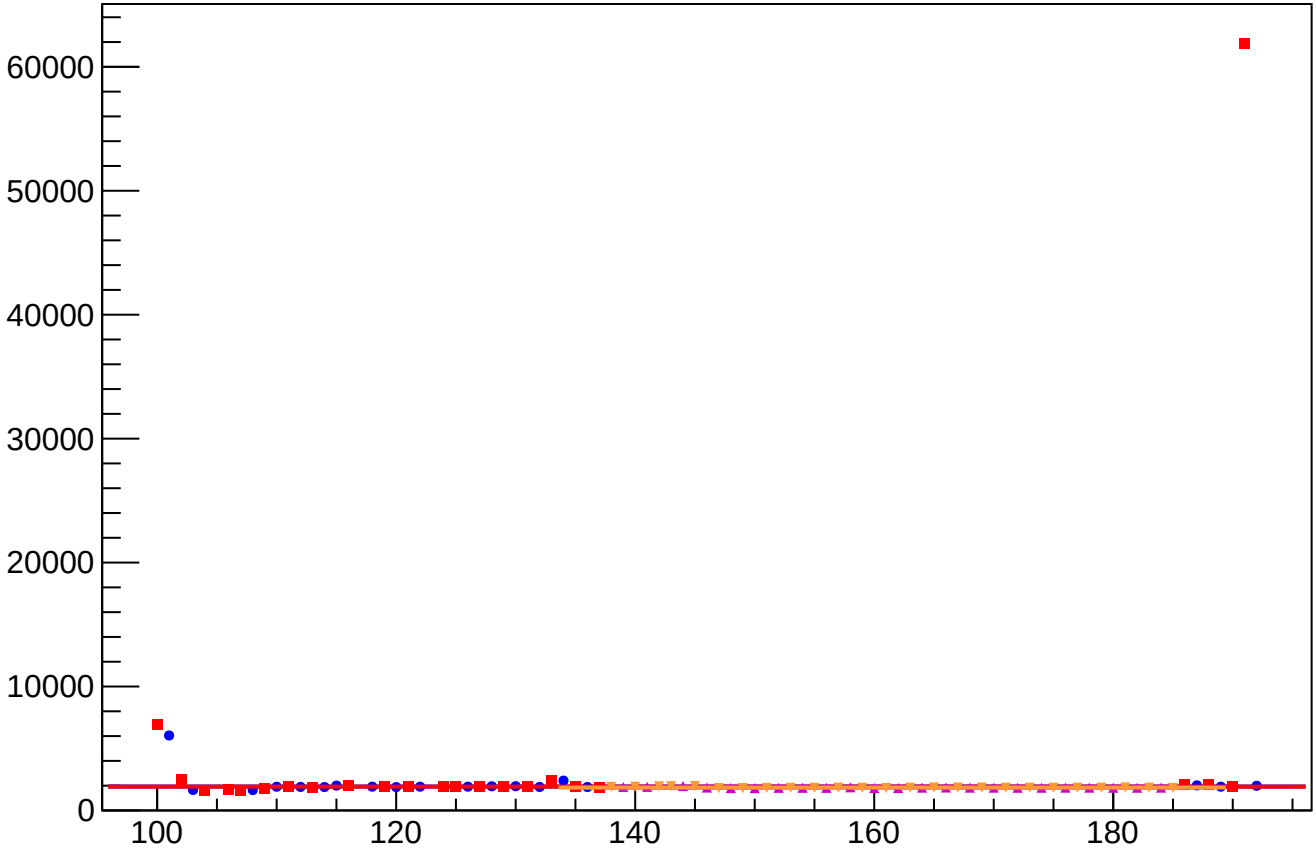
Right: 2494.876+/-461.604 χ^2/NDF: 32.3/41

In: 2854.303+/-360.540 χ^2/NDF:38.9/41

Out: 1886.954+/-352.334 χ^2/NDF:49.1/47

All: 2359.495+/-251.989 χ^2/NDF: 91.7/89

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: 1924.080+/-0.457 χ^2/NDF: 388671.1/22

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

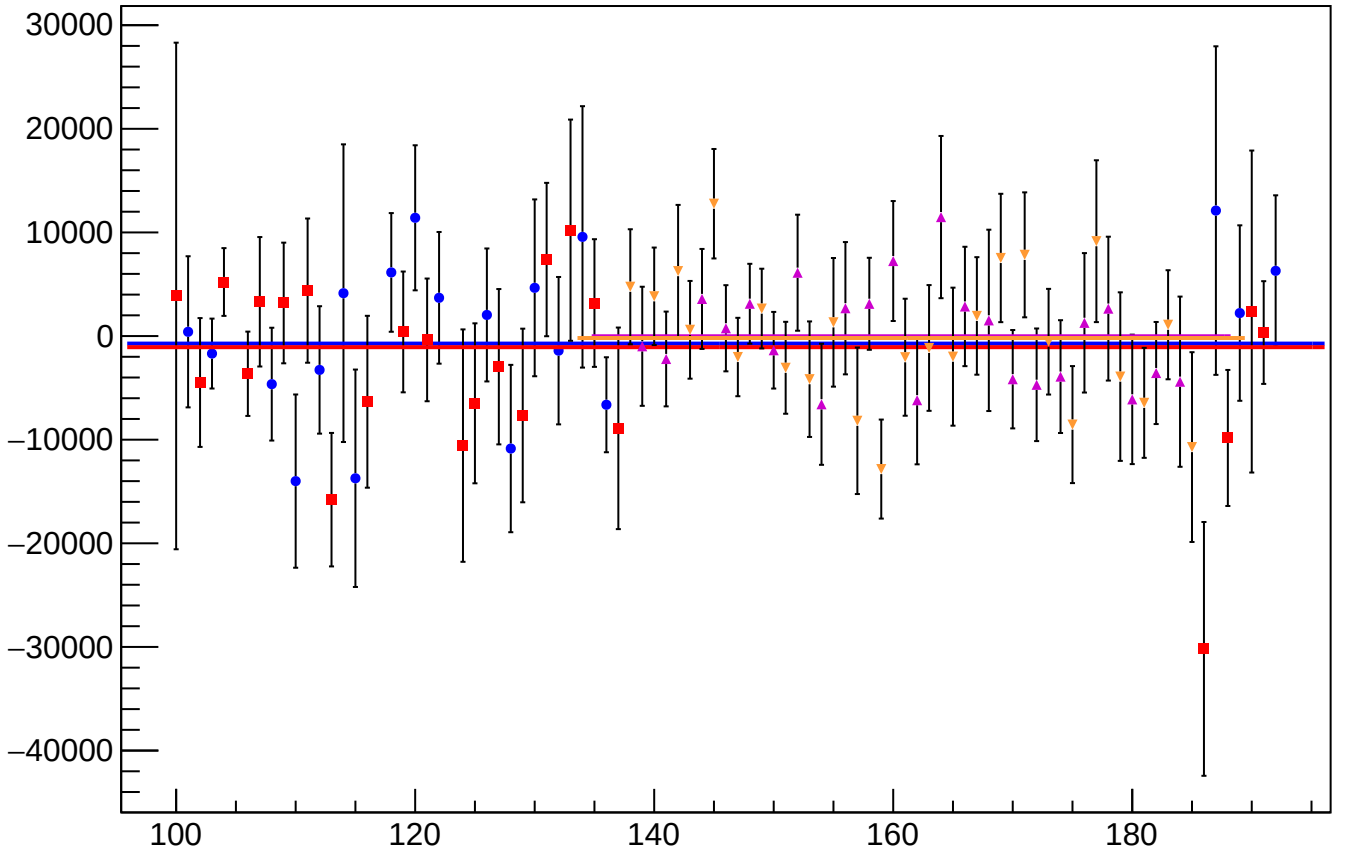
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1926.602+/-0.326 χ^2/NDF: 1089117.9/41

In: 1870.292+/-0.255 χ^2/NDF:737285.9/41

Out: 1870.950+/-0.249 χ^2/NDF:428770.7/47

All: 1870.629+/-0.178 χ^2/NDF: 1166060.0/89



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: -1073.849+/-1349.192 χ^2/NDF: 24.8/22

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

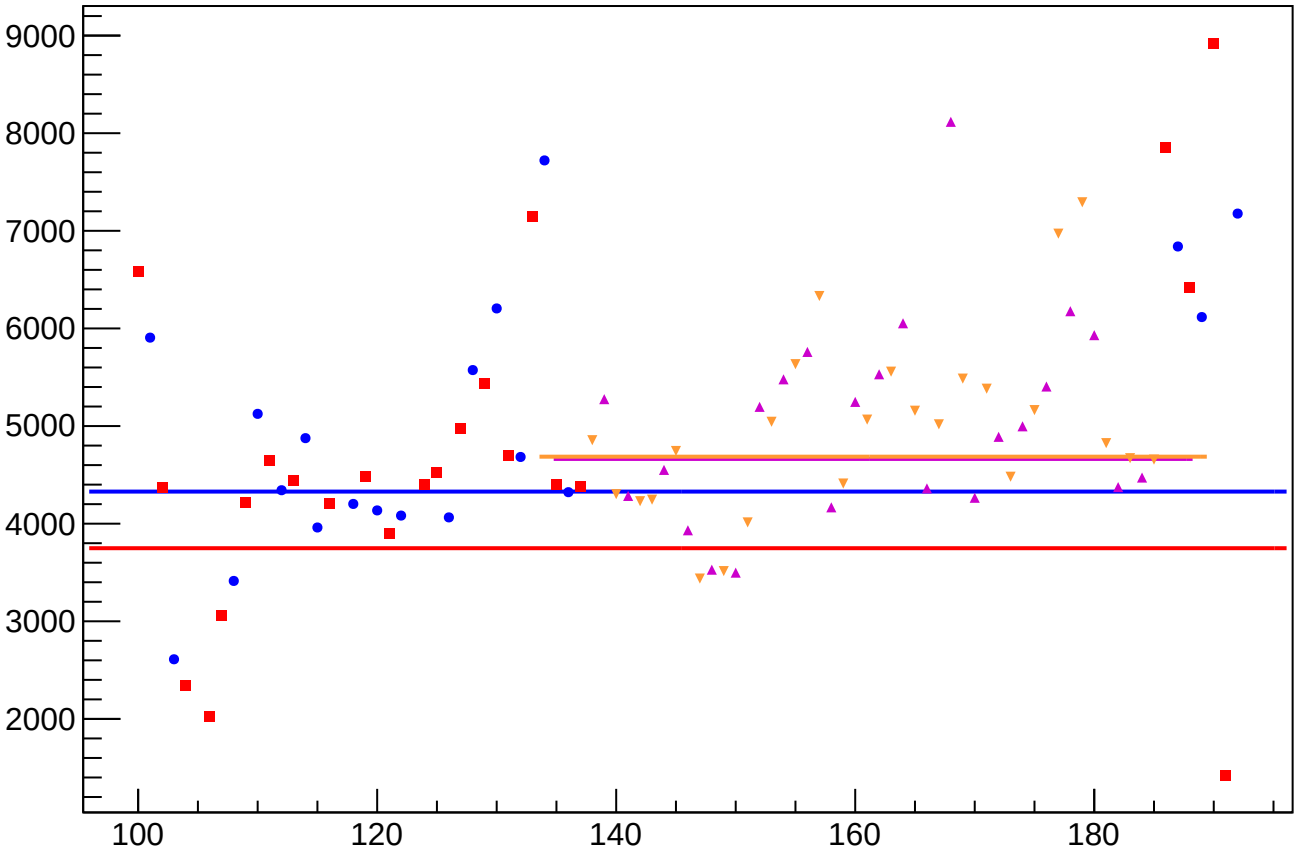
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -920.677+/-1008.129 χ^2/NDF: 40.9/41

In: -266.943+/-897.139 χ^2/NDF:30.0/41

Out: -538.208+/-847.222 χ^2/NDF:54.0/47

All: -410.331+/-615.967 χ^2/NDF: 84.0/89



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: 3748.730+/-0.954 χ^2/NDF: 2553612.2/22

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

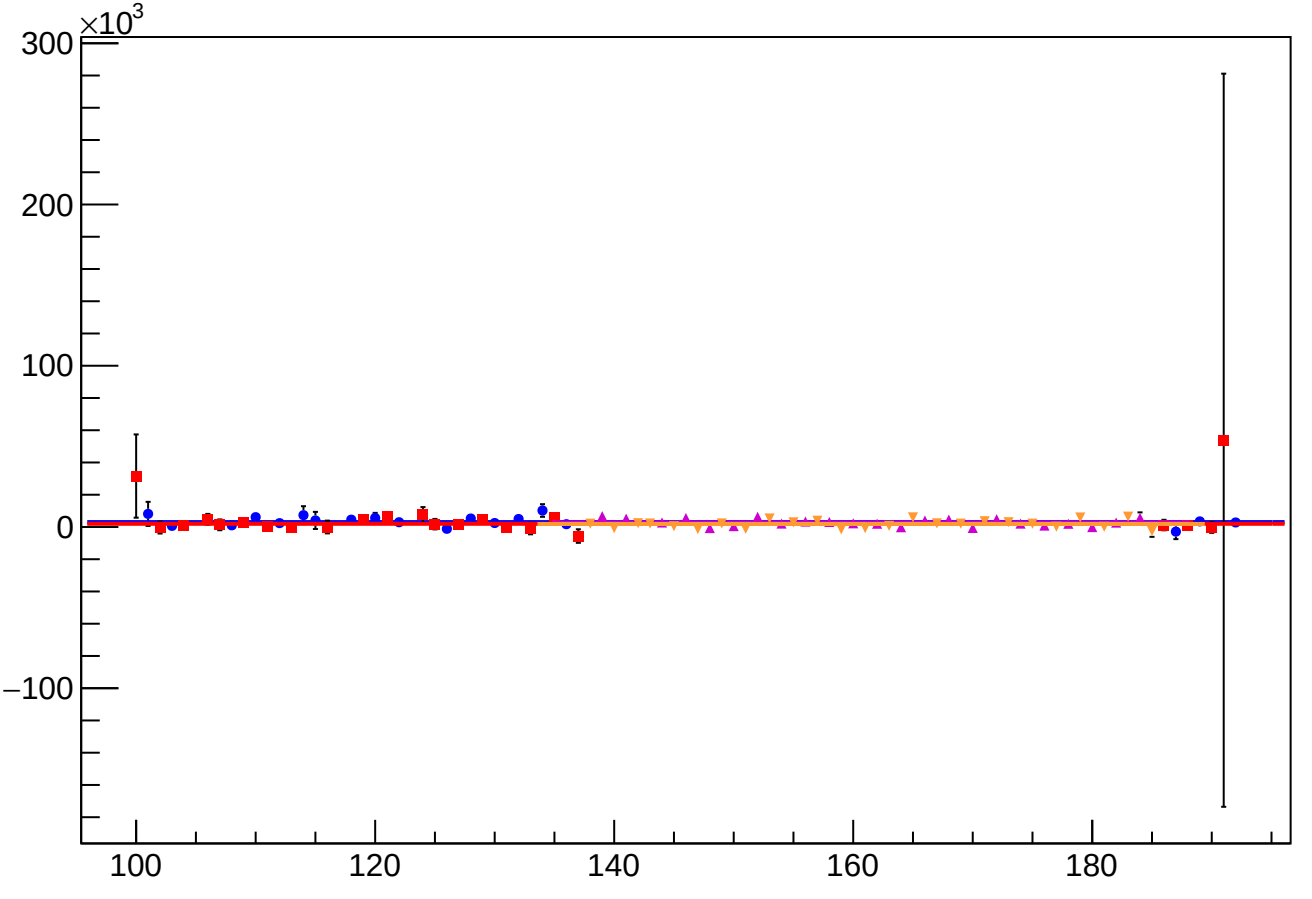
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4004.911+/-0.713 χ^2/NDF: 4156483.0/41

In: 4546.264+/-0.634 χ^2/NDF:2789578.6/41

Out: 4316.625+/-0.599 χ^2/NDF:4323732.7/47

All: 4424.878+/-0.436 χ^2/NDF: 7182578.2/89



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: 1970.241+/-647.295 χ^2/NDF: 17.6/22

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

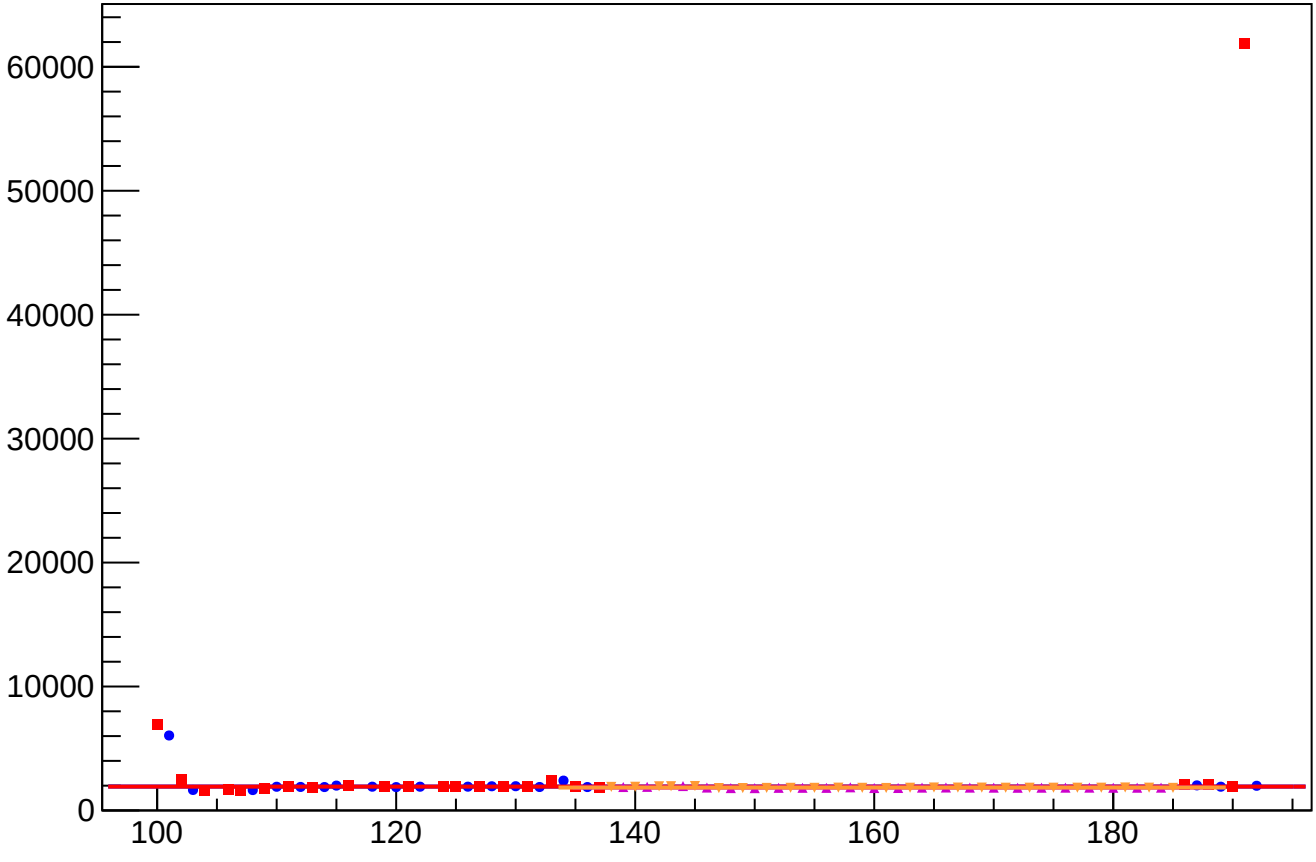
Right: 2494.876+/-461.604 χ^2/NDF: 32.3/41

In: 2854.303+/-360.540 χ^2/NDF:38.9/41

Out: 1886.954+/-352.334 χ^2/NDF:49.1/47

All: 2359.495+/-251.989 χ^2/NDF: 91.7/89

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: 1924.080+/-0.457 χ^2/NDF: 388671.1/22

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

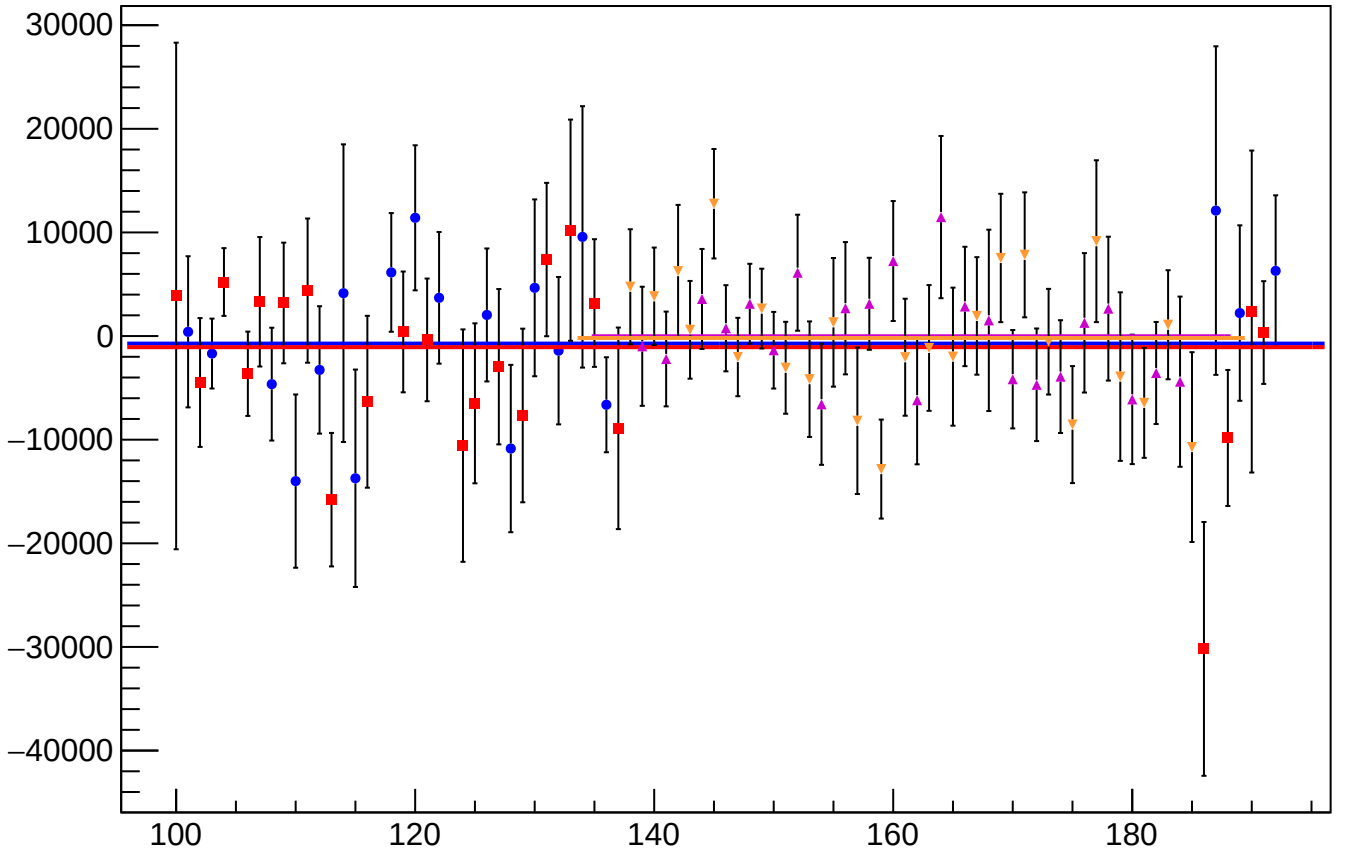
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1926.602+/-0.326 χ^2/NDF: 1089117.9/41

In: 1870.292+/-0.255 χ^2/NDF:737285.9/41

Out: 1870.950+/-0.249 χ^2/NDF:428770.7/47

All: 1870.629+/-0.178 χ^2/NDF: 1166060.0/89



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: -1073.849+/-1349.192 χ^2/NDF: 24.8/22

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

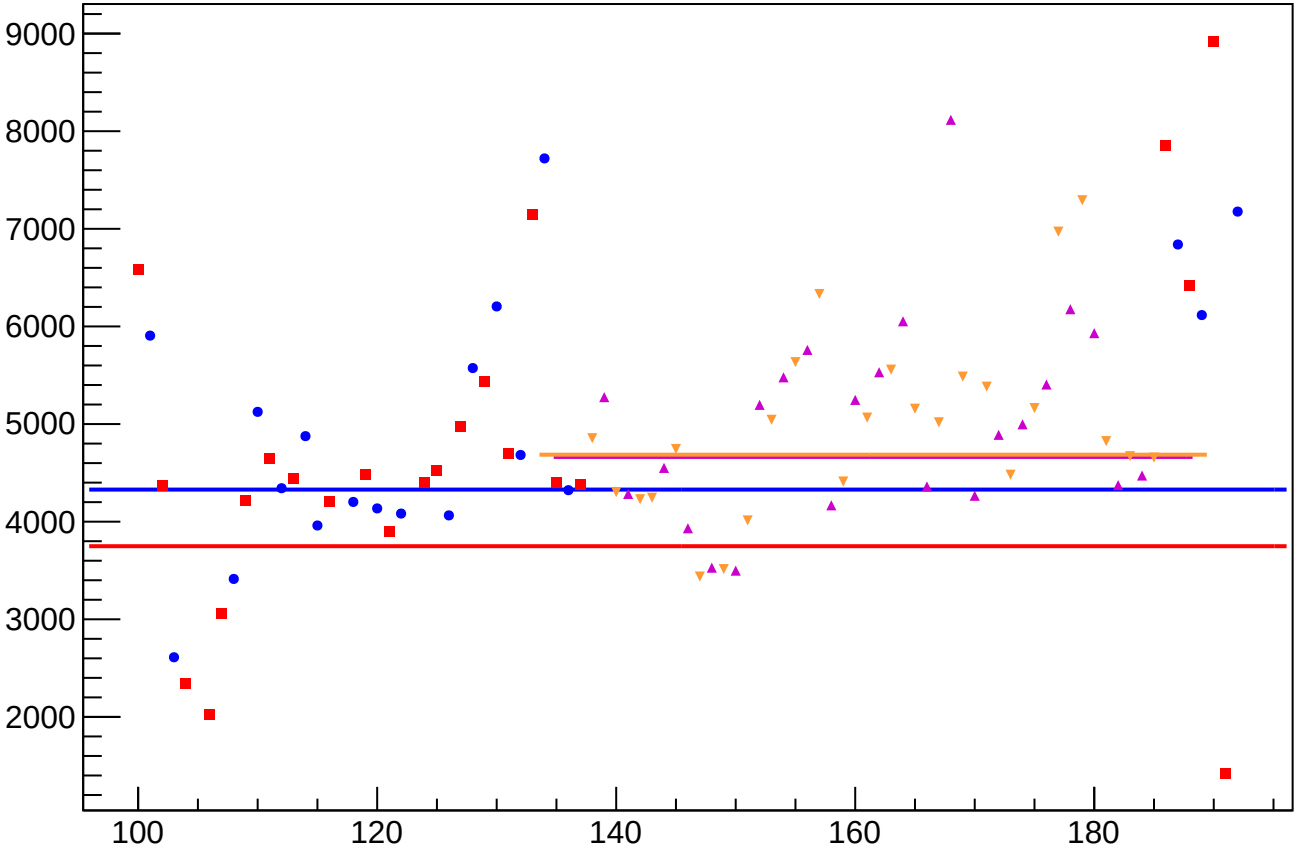
Right: -920.677+/-1008.129 χ^2/NDF: 40.9/41

In: -266.943+/-897.139 χ^2/NDF:30.0/41

Out: -538.208+/-847.222 χ^2/NDF:54.0/47

All: -410.331+/-615.967 χ^2/NDF: 84.0/89

asym_atr_avg_eigen_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: 3748.730+/-0.954 χ^2/NDF: 2553612.2/22

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

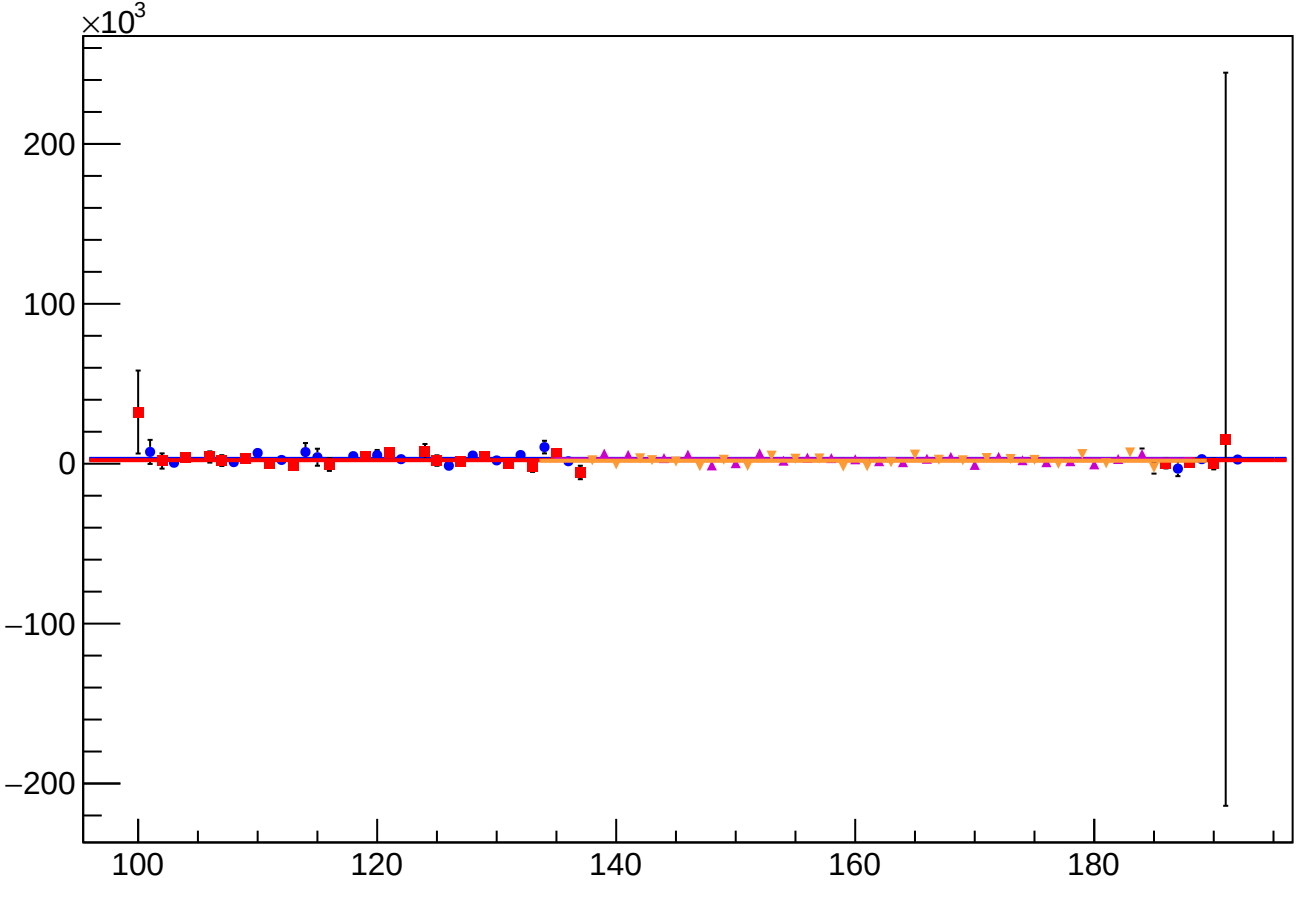
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4004.911+/-0.713 χ^2/NDF: 4156483.0/41

In: 4546.264+/-0.634 χ^2/NDF:2789578.6/41

Out: 4316.625+/-0.599 χ^2/NDF:4323732.7/47

All: 4424.878+/-0.436 χ^2/NDF: 7182578.2/89



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: 2206.158+/-665.851 χ^2/NDF: 18.5/22

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

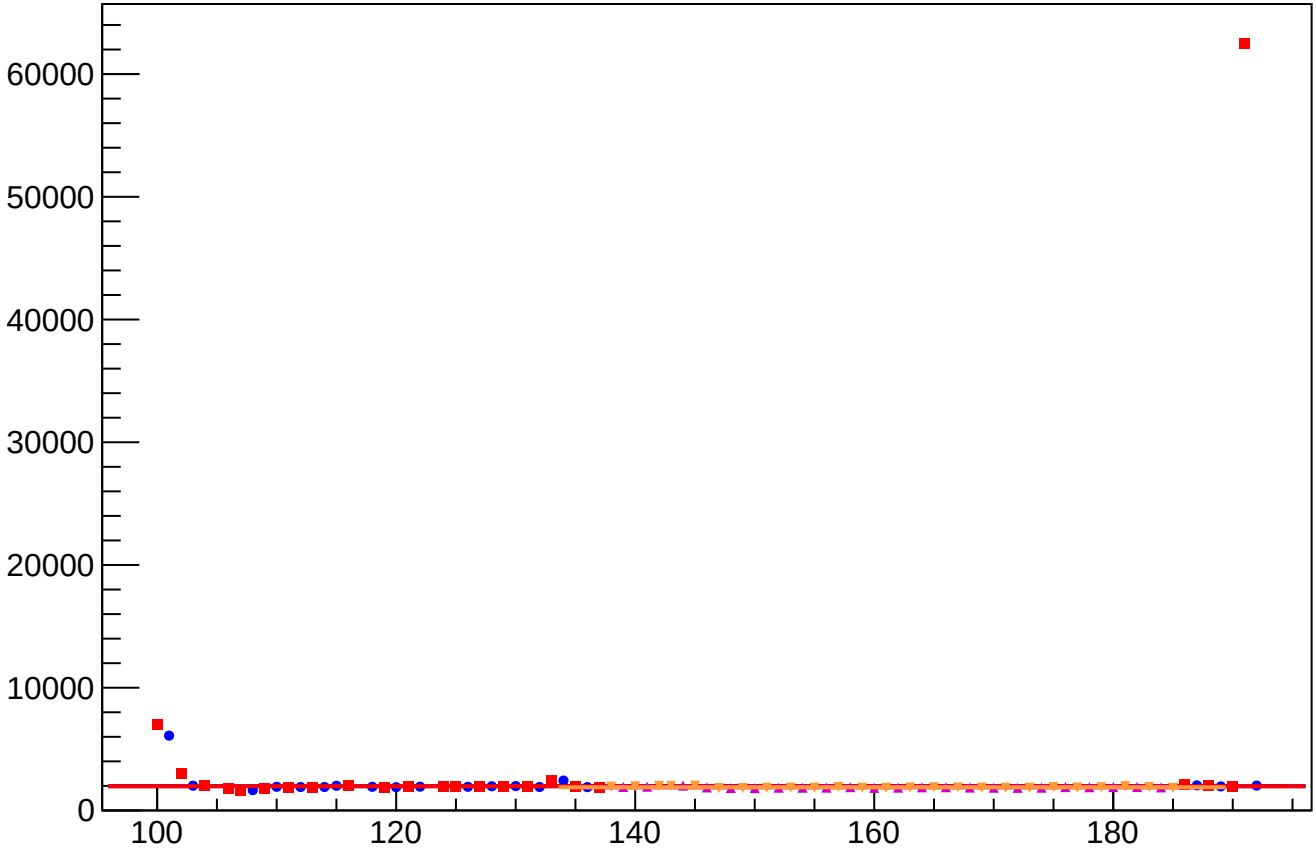
Right: 2616.629+/-474.068 χ^2/NDF: 33.2/41

In: 2869.860+/-368.170 χ^2/NDF:39.5/41

Out: 1976.324+/-360.619 χ^2/NDF:51.6/47

All: 2413.834+/-257.624 χ^2/NDF: 94.1/89

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: 1972.354+/-0.470 χ^2/NDF: 412318.1/22

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

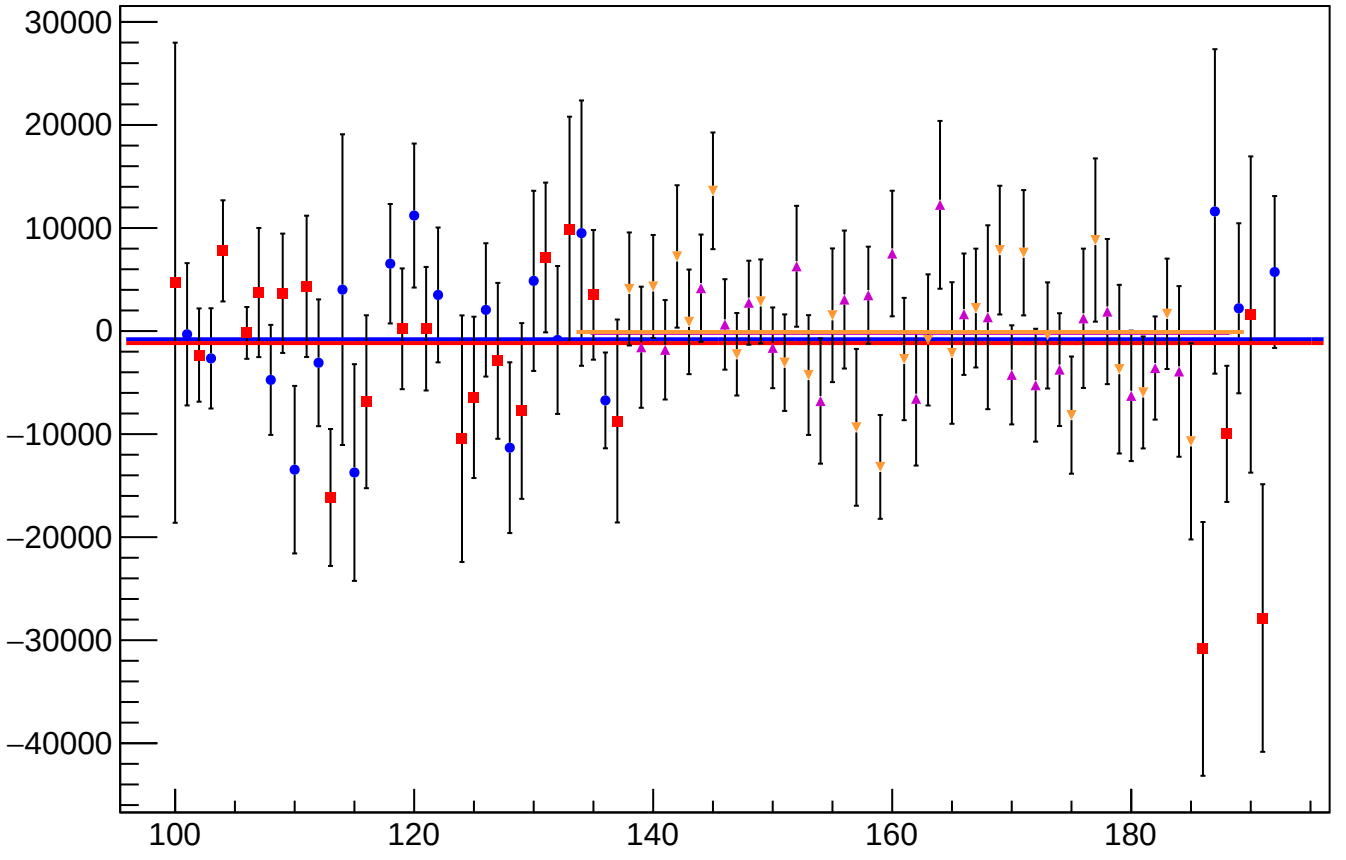
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

Right: 1975.973+/-0.335 χ^2/NDF: 1079178.9/41

In: 1910.055+/-0.260 χ^2/NDF:716071.2/41

Out: 1912.447+/-0.255 χ^2/NDF:467225.8/47

All: 1911.276+/-0.182 χ^2/NDF: 1183340.1/89



Right In: -795.117+/-1606.926 χ^2/NDF: 15.9/18

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: -1166.884+/-1315.948 χ^2/NDF: 28.2/22

Left In: -177.137+/-1156.061 χ^2/NDF:13.5/22

Left: -133.663+/-809.267 χ^2/NDF: 41.6/47

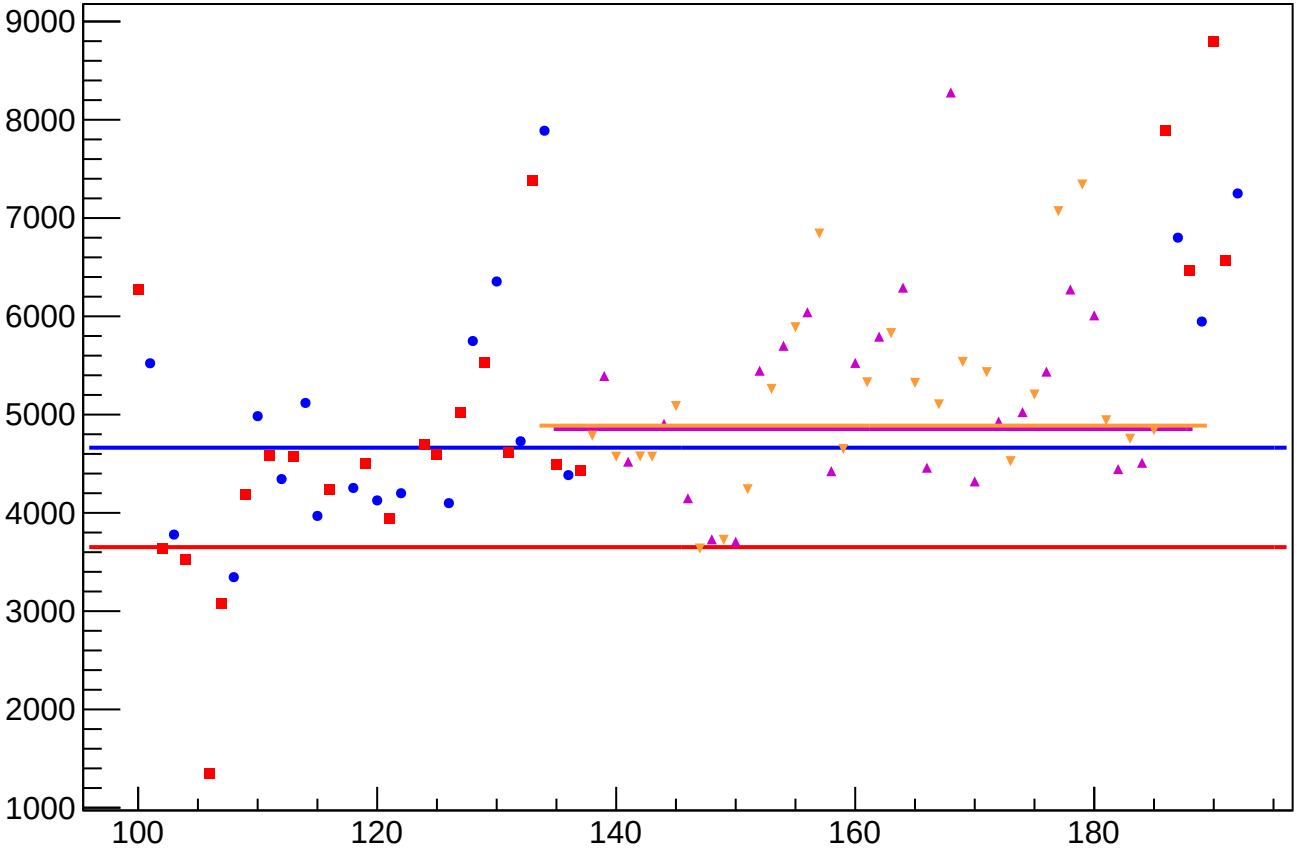
Right: -1017.648+/-1018.118 χ^2/NDF: 44.1/41

In: -387.900+/-938.439 χ^2/NDF:29.5/41

Out: -549.634+/-858.711 χ^2/NDF:56.7/47

All: -475.928+/-633.515 χ^2/NDF: 86.2/89

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: 3651.779+/-0.931 χ^2/NDF: 3315634.8/22

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

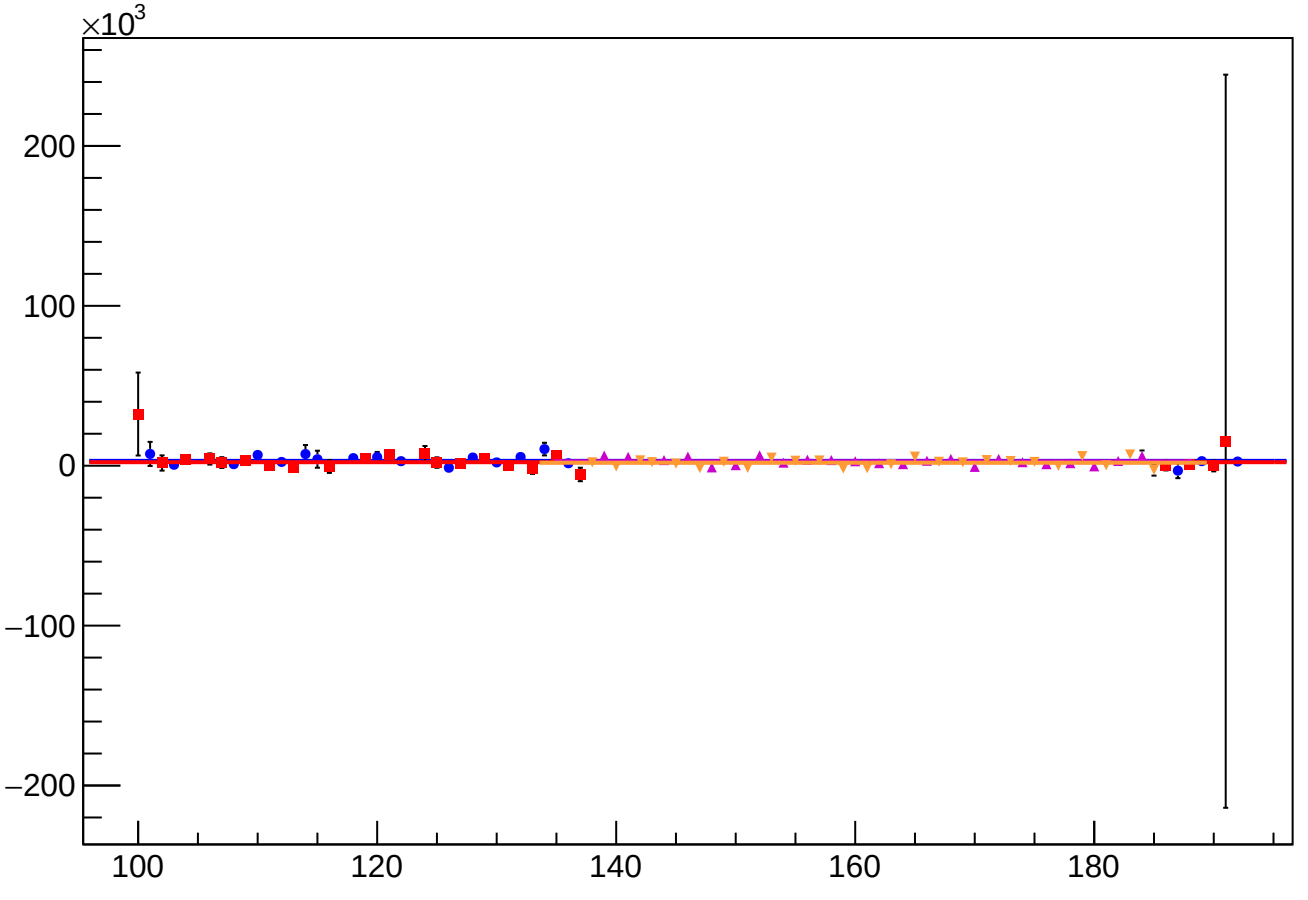
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4057.793+/-0.720 χ^2/NDF: 4648428.4/41

In: 4788.511+/-0.664 χ^2/NDF:2055610.5/41

Out: 4361.502+/-0.607 χ^2/NDF:5392086.9/47

All: 4556.100+/-0.448 χ^2/NDF: 7673075.2/89



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: 2206.162+/-665.851 χ^2/NDF: 18.5/22

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

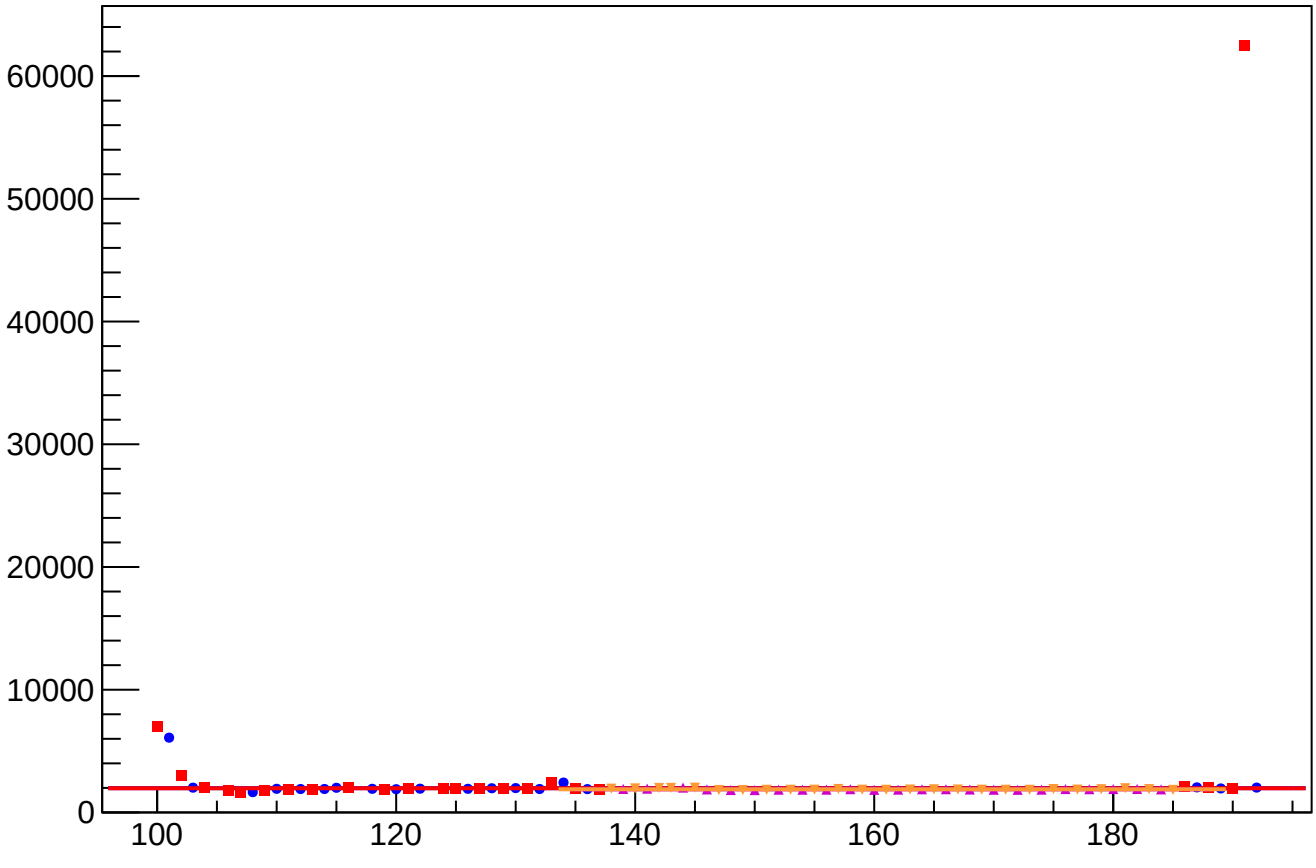
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2616.633+/-474.068 χ^2/NDF: 33.2/41

In: 2869.861+/-368.170 χ^2/NDF:39.5/41

Out: 1976.321+/-360.619 χ^2/NDF:51.6/47

All: 2413.834+/-257.625 χ^2/NDF: 94.1/89



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: 1972.354+/-0.470 χ^2/NDF: 412317.6/22

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

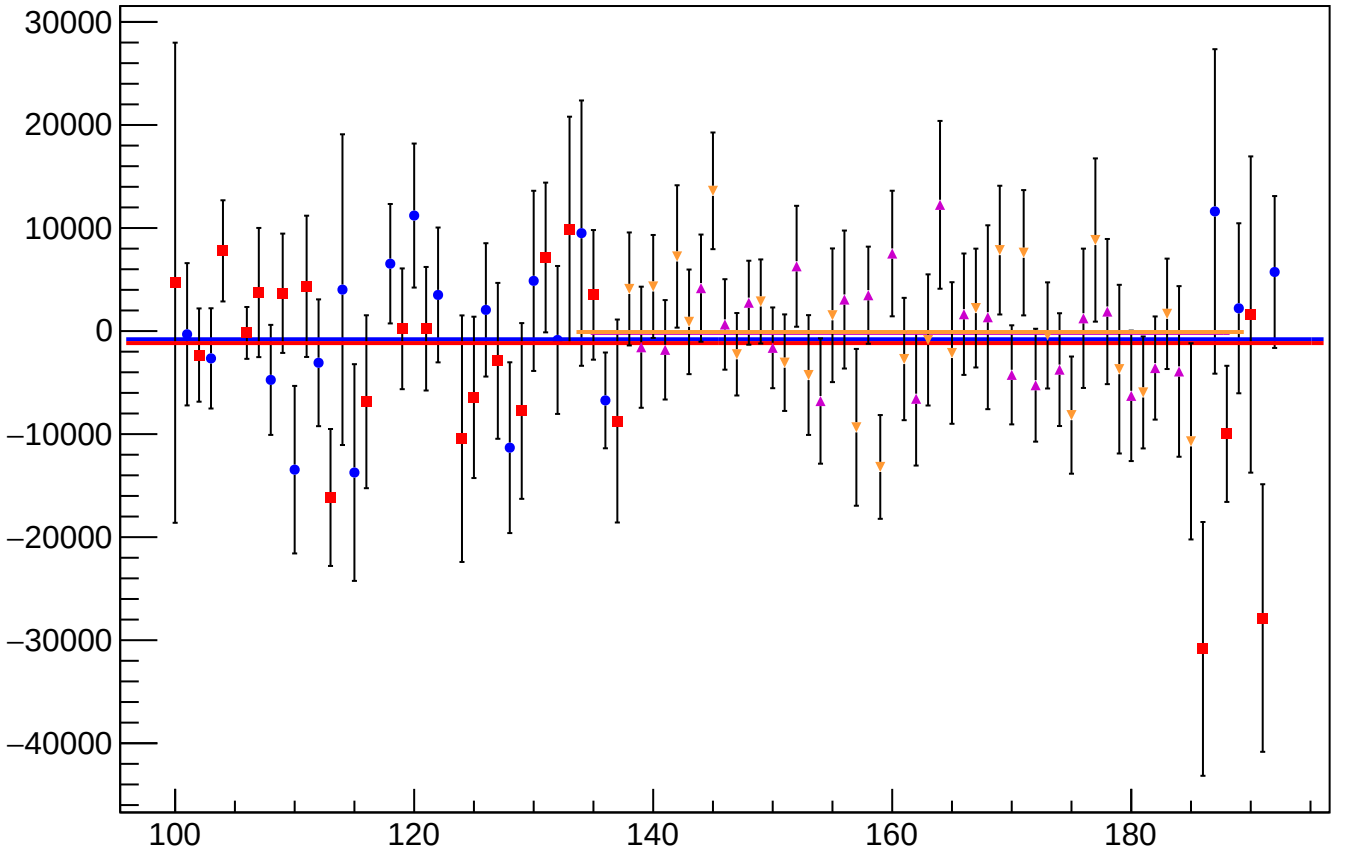
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1975.972+/-0.335 χ^2/NDF: 1079178.4/41

In: 1910.055+/-0.260 χ^2/NDF:716070.4/41

Out: 1912.447+/-0.255 χ^2/NDF:467224.9/47

All: 1911.276+/-0.182 χ^2/NDF: 1183338.3/89



Right In: -795.101+/-1606.924 χ^2/NDF: 15.9/18

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: -1166.881+/-1315.945 χ^2/NDF: 28.2/22

Left In: -177.140+/-1156.062 χ^2/NDF:13.5/22

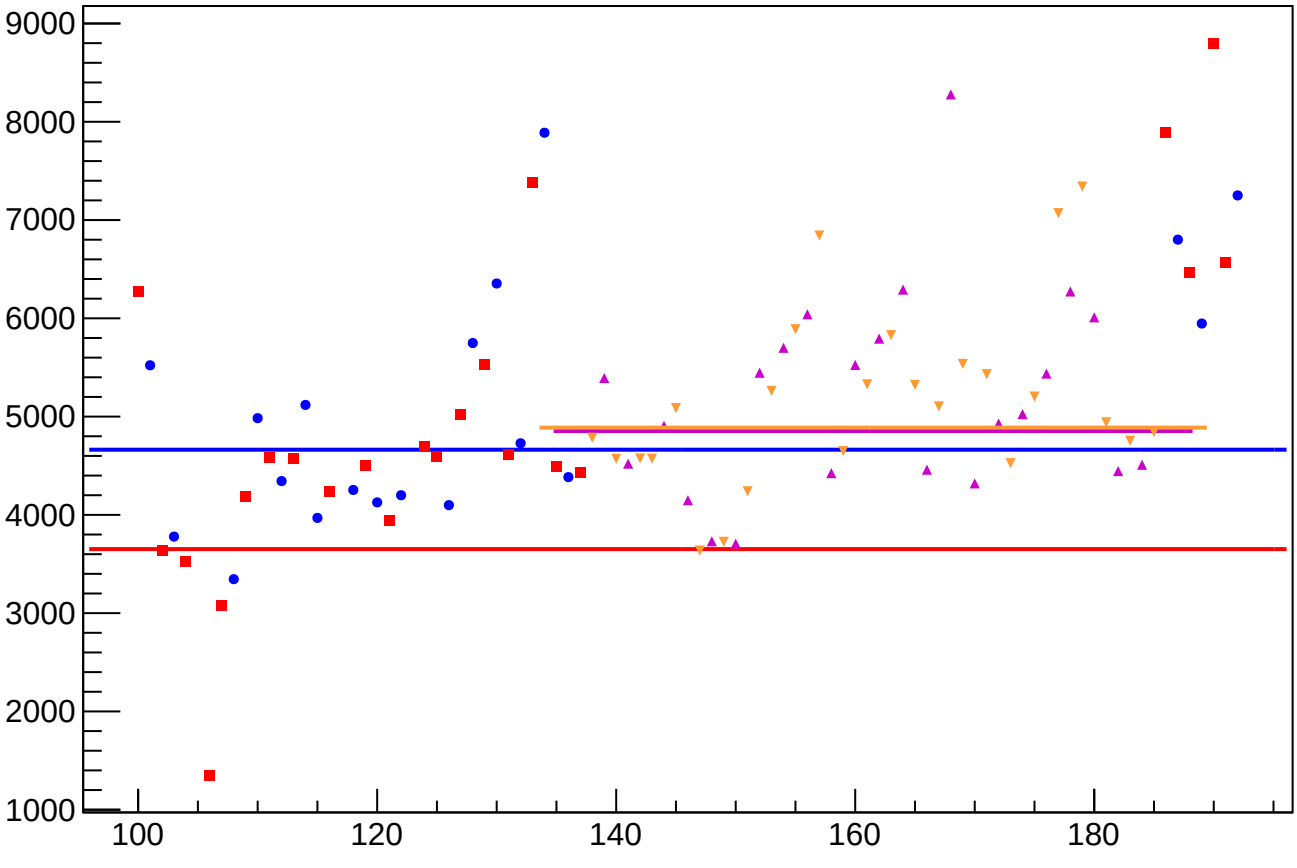
Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

Right: -1017.640+/-1018.116 χ^2/NDF: 44.1/41

In: -387.897+/-938.440 χ^2/NDF:29.5/41

Out: -549.636+/-858.711 χ^2/NDF:56.7/47

All: -475.928+/-633.515 χ^2/NDF: 86.2/89



Right In: 4663.204+/-1.136 χ^2/NDF: 858520.4/18

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 3651.771+/-0.931 χ^2/NDF: 3315643.3/22

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

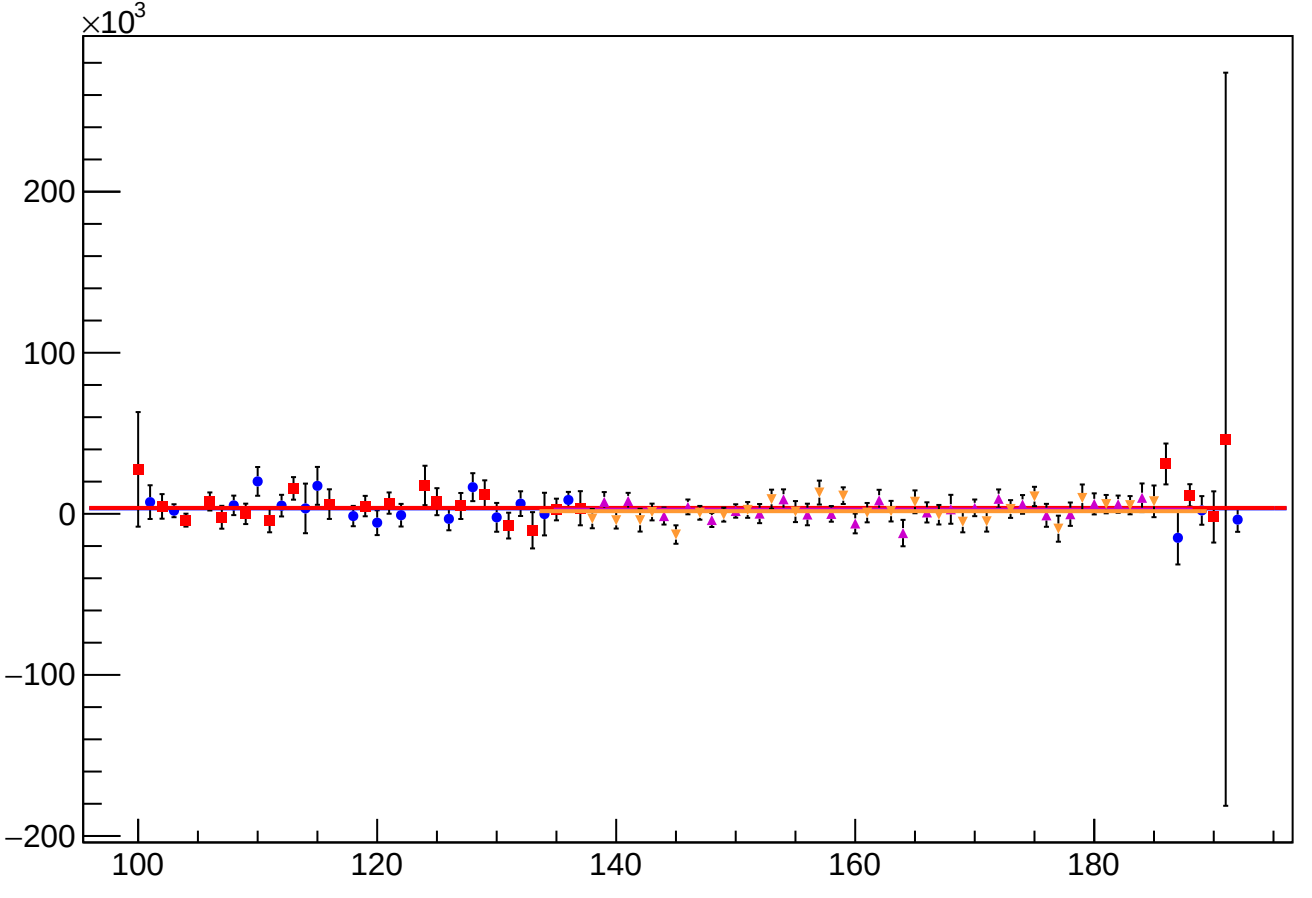
Right: 4057.785+/-0.720 χ^2/NDF: 4648441.1/41

In: 4788.513+/-0.664 χ^2/NDF:2055616.7/41

Out: 4361.501+/-0.607 χ^2/NDF:5392124.4/47

All: 4556.100+/-0.448 χ^2/NDF: 7673122.6/89

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: 3673.813+/-1603.485 χ^2/NDF: 21.8/22

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

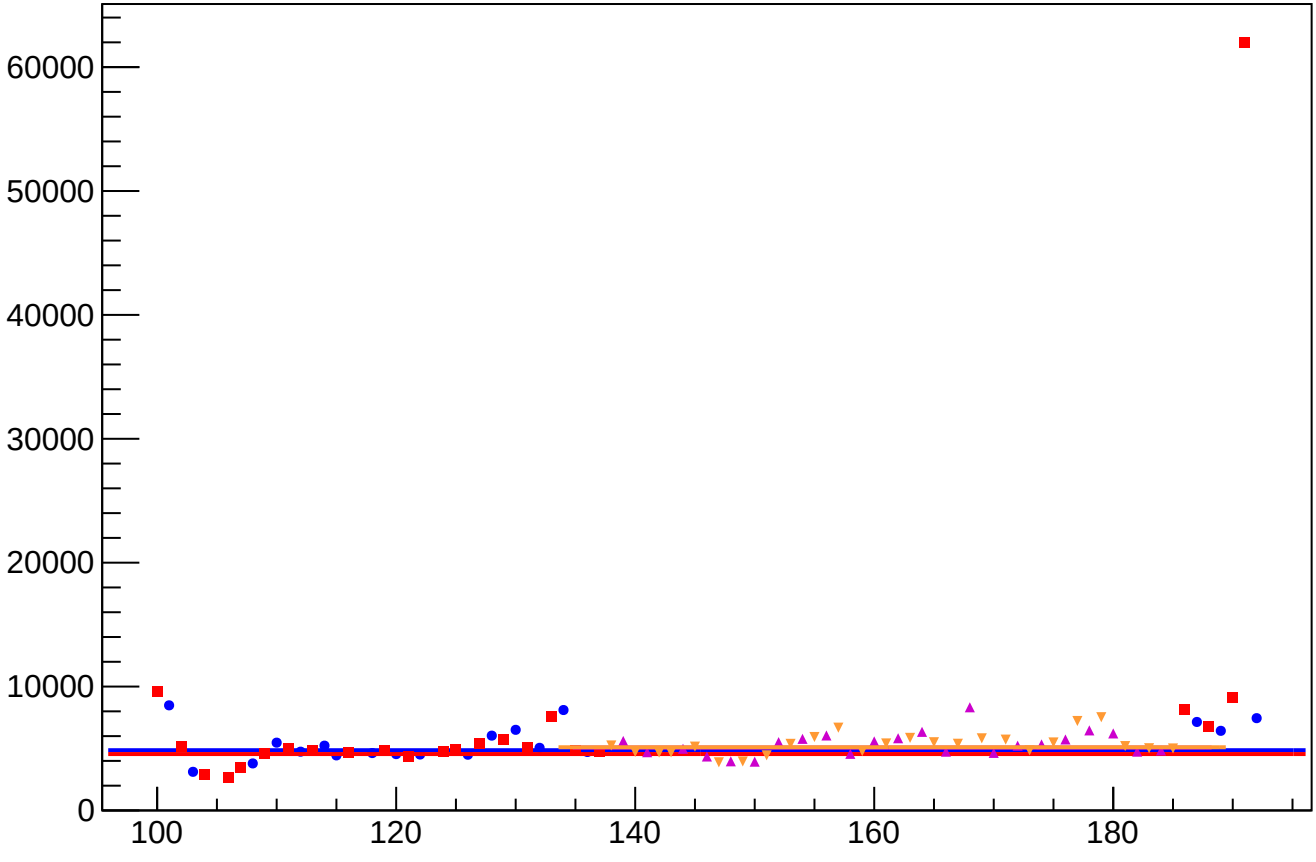
Right: 3536.628+/-1164.361 χ^2/NDF: 36.4/41

In: 2839.053+/-981.525 χ^2/NDF:30.7/41

Out: 2362.908+/-949.690 χ^2/NDF:48.8/47

All: 2593.134+/-682.509 χ^2/NDF: 79.6/89

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: 4552.324+/-1.125 χ^2/NDF: 1618371.5/22

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

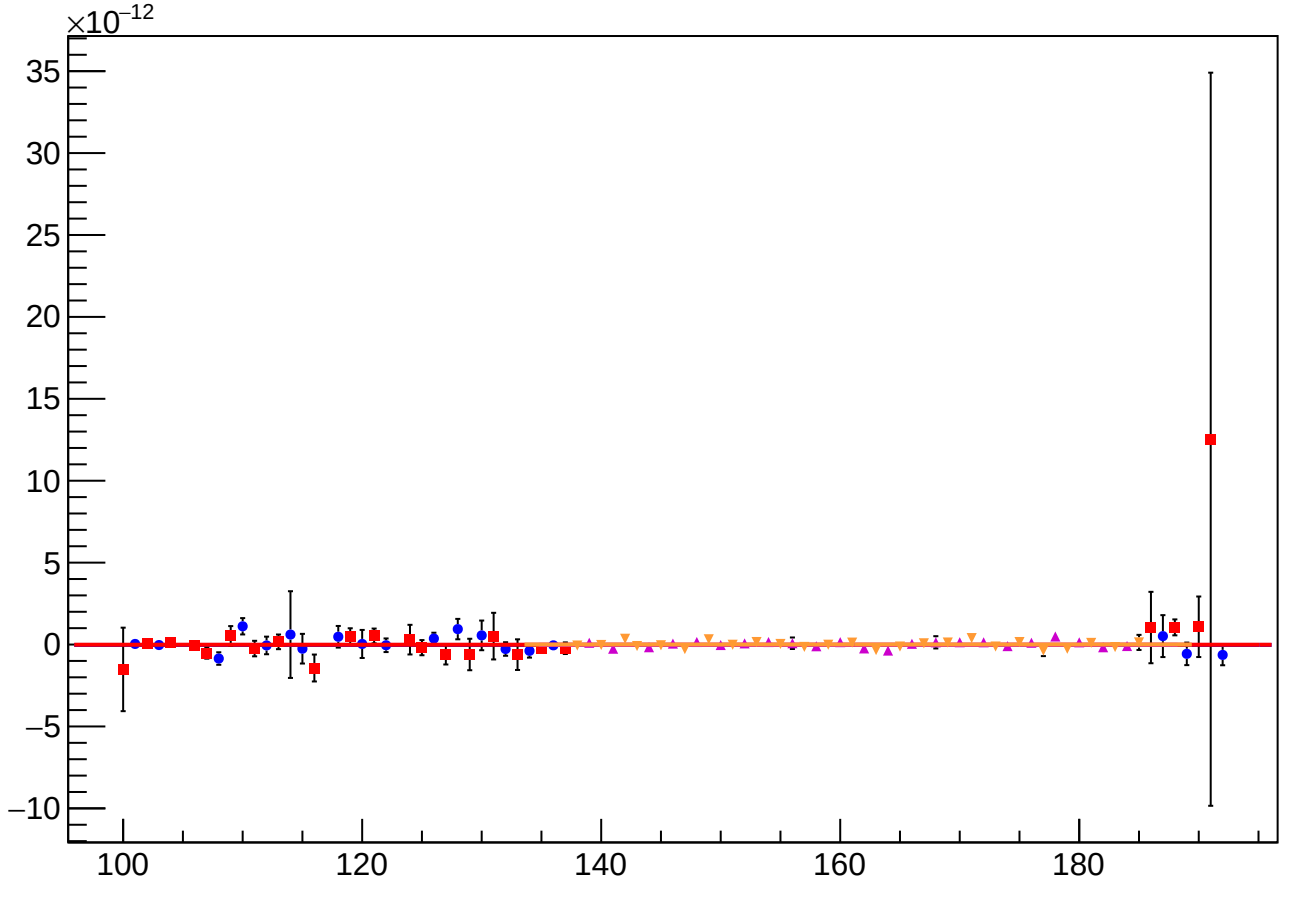
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 4697.879+/-0.820 χ^2/NDF: 2922377.5/41

In: 5002.770+/-0.694 χ^2/NDF:2280752.0/41

Out: 4906.299+/-0.670 χ^2/NDF:2681113.0/47

All: 4952.809+/-0.482 χ^2/NDF: 4971870.9/89



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: 20.8/22

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

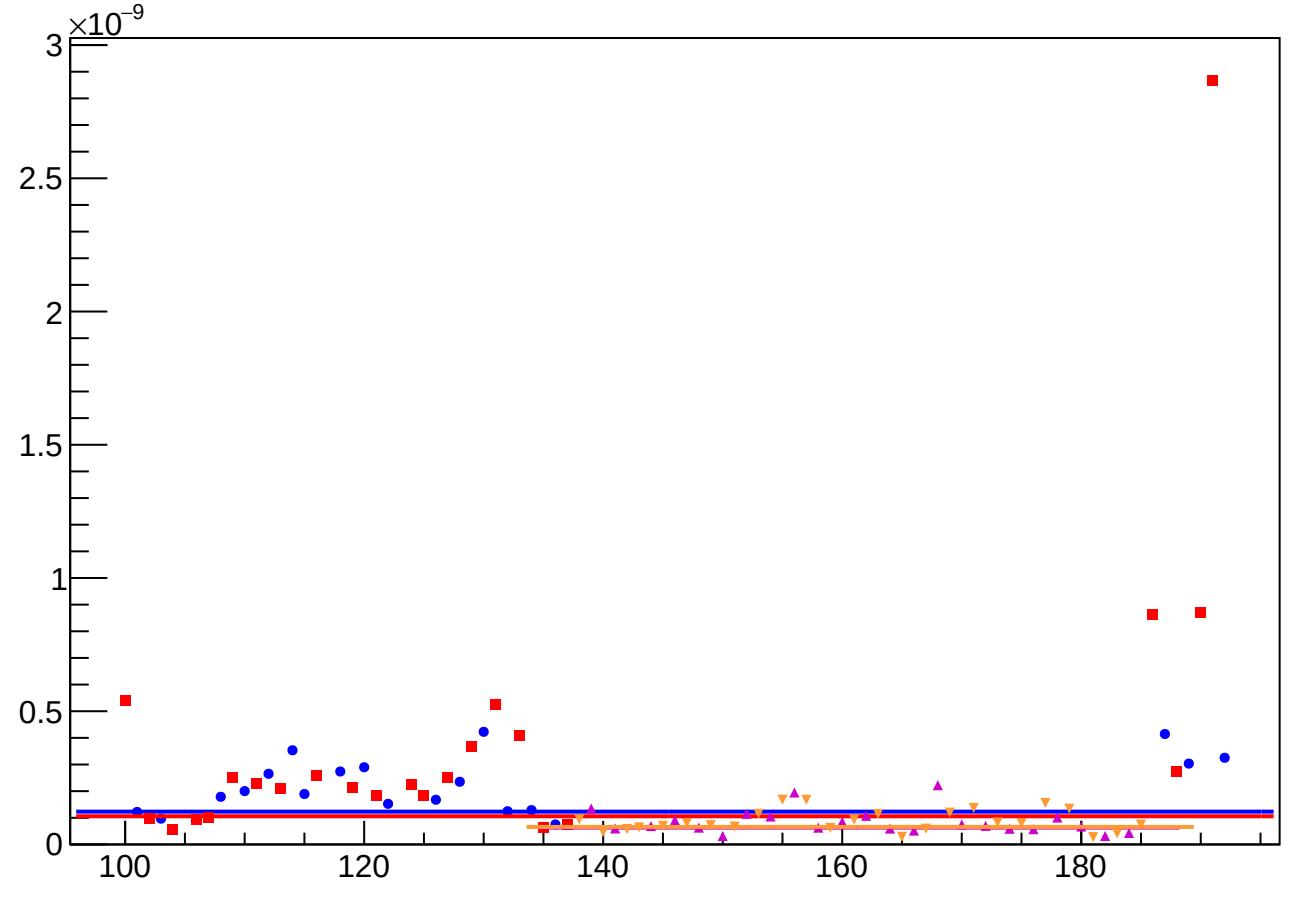
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 38.4/41

In: -0.000+/-0.000 χ^2/NDF:50.1/41

Out: -0.000+/-0.000 χ^2/NDF:54.0/47

All: -0.000+/-0.000 χ^2/NDF: 104.4/89



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: 2707515.6/22

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

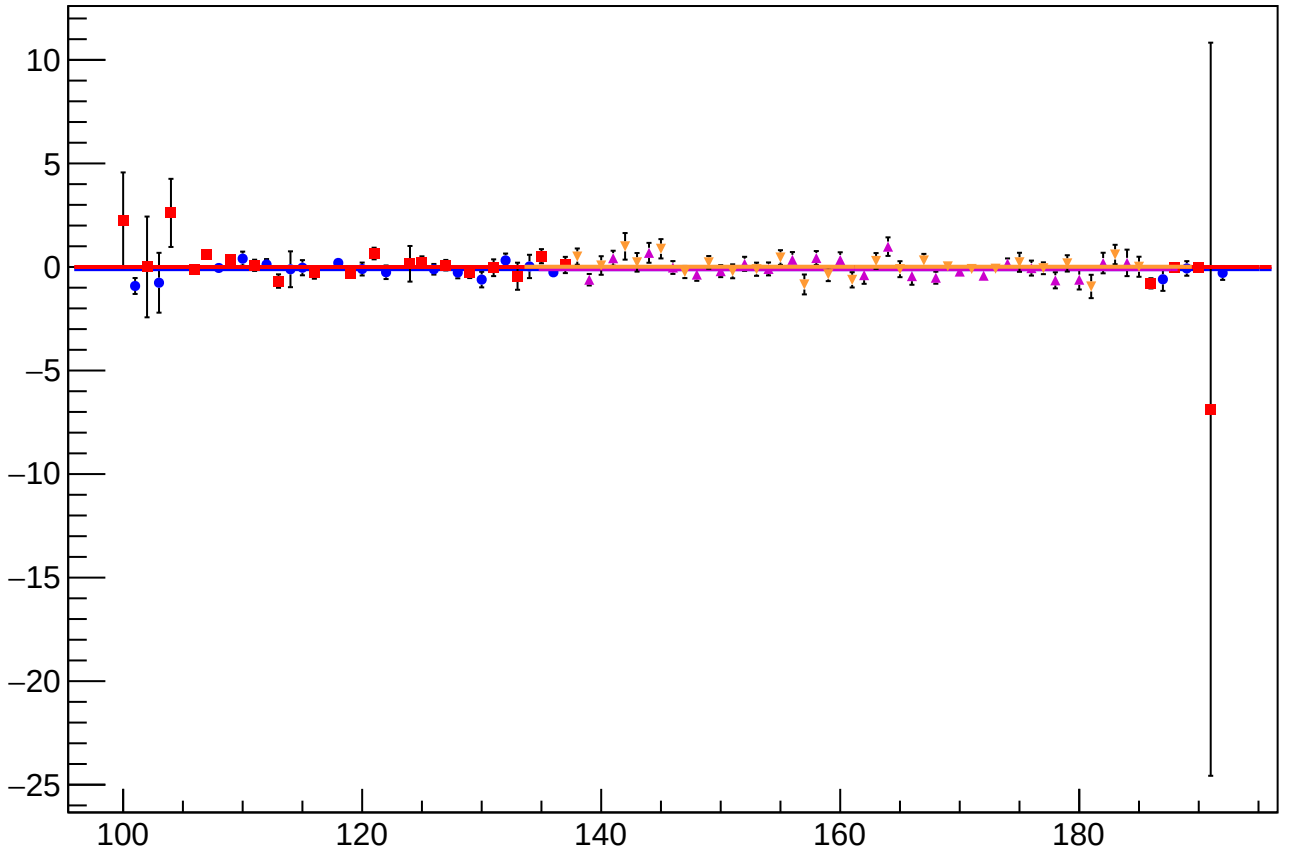
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 4323423.6/41

In: 0.000+/-0.000 χ^2/NDF:4899462.5/41

Out: 0.000+/-0.000 χ^2/NDF:5721396.2/47

All: 0.000+/-0.000 χ^2/NDF: 10621195.9/89



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: -0.001+/-0.058 χ^2/NDF: 40.1/22

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

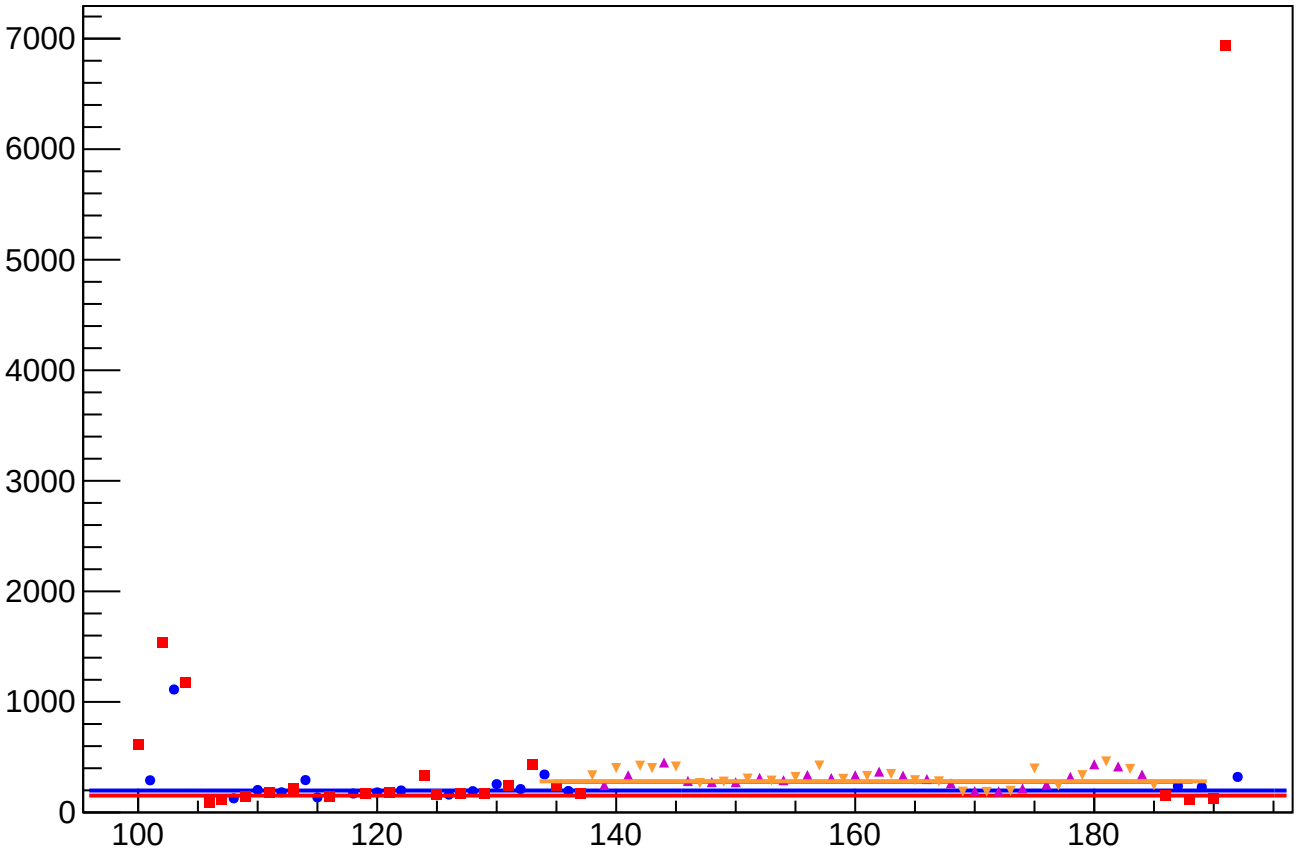
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.042+/-0.045 χ^2/NDF: 56.3/41

In: -0.105+/-0.050 χ^2/NDF:46.4/41

Out: 0.004+/-0.044 χ^2/NDF:65.3/47

All: -0.044+/-0.033 χ^2/NDF: 114.4/89



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: 152.940+/-0.041 χ^2/NDF: 3135144.3/22

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

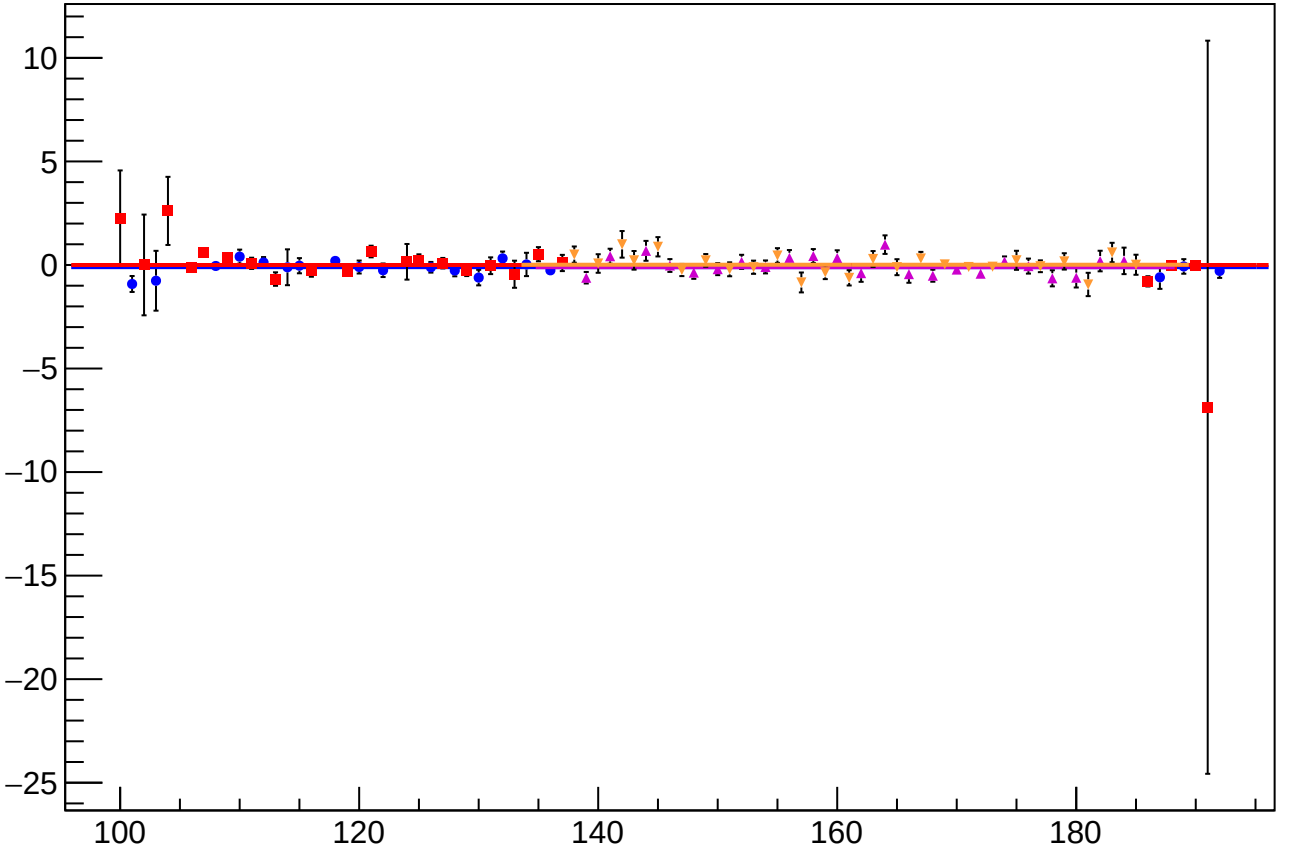
Right: 170.713+/-0.032 χ^2/NDF: 5394673.8/41

In: 240.613+/-0.035 χ^2/NDF:4871641.8/41

Out: 207.468+/-0.031 χ^2/NDF:9794780.5/47

All: 222.077+/-0.023 χ^2/NDF: 15160738.4/89

asym_atr_avg_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: -0.001+/-0.058 χ^2/NDF: 40.1/22

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

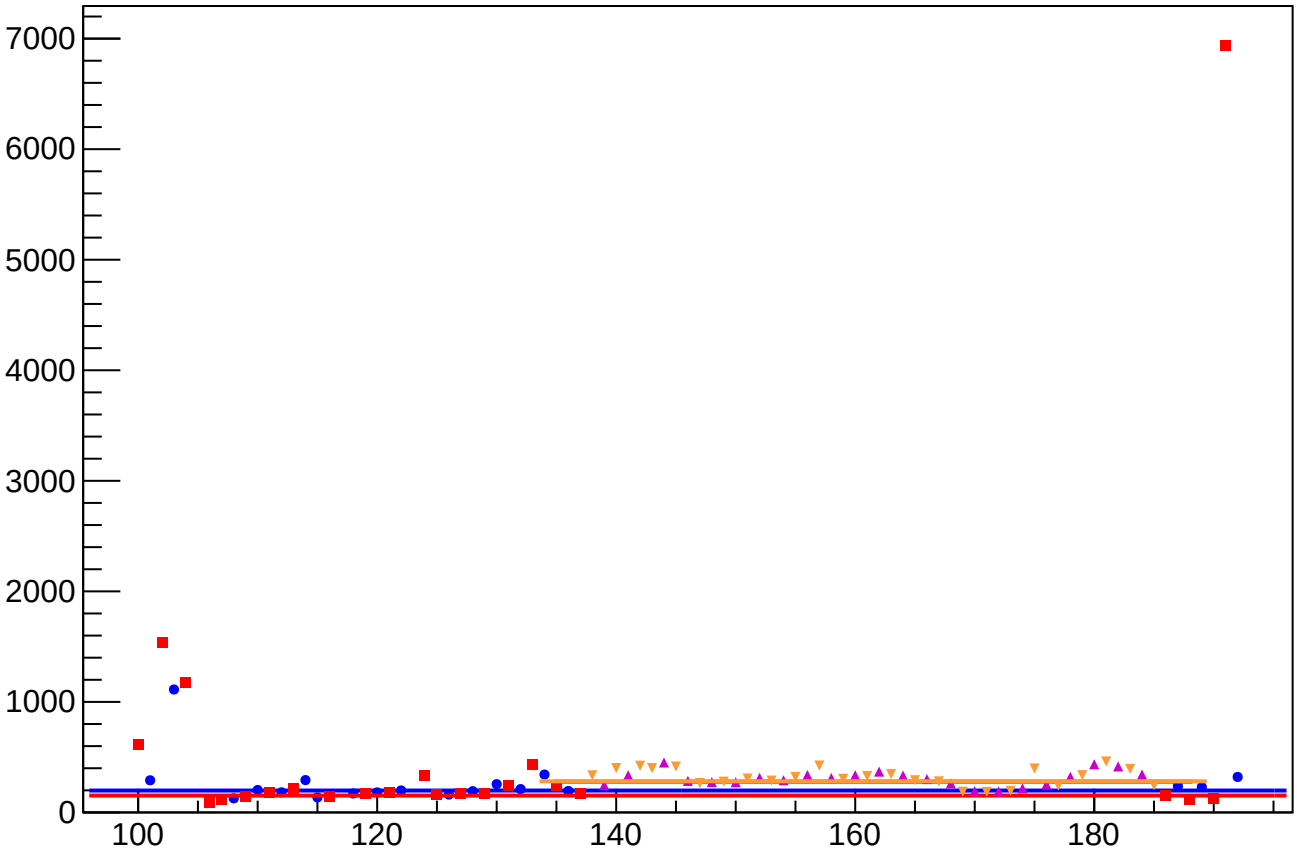
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.042+/-0.045 χ^2/NDF: 56.3/41

In: -0.105+/-0.050 χ^2/NDF:46.4/41

Out: 0.004+/-0.044 χ^2/NDF:65.3/47

All: -0.044+/-0.033 χ^2/NDF: 114.4/89



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: 152.940+/-0.041 χ^2/NDF: 3135144.3/22

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

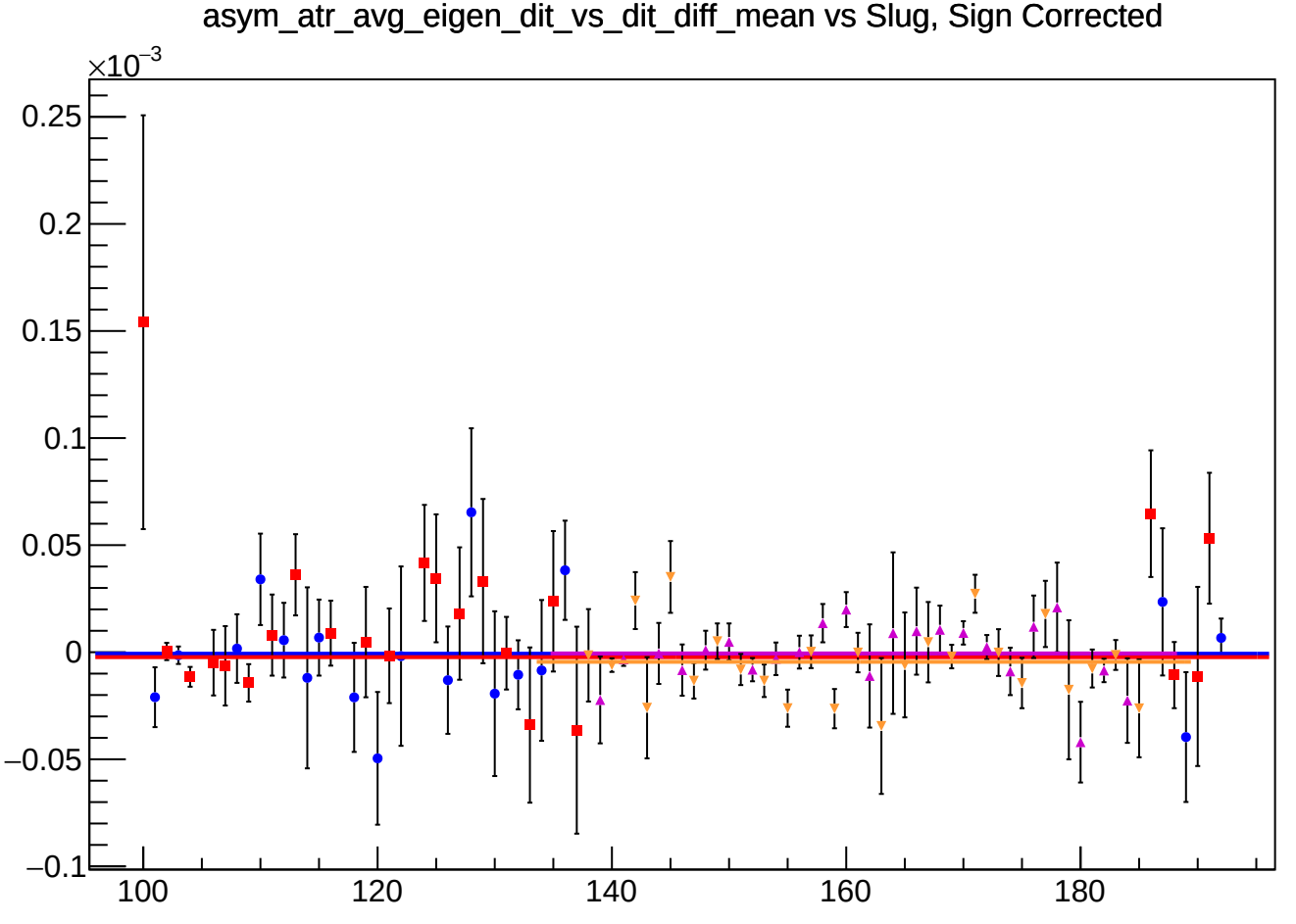
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 170.713+/-0.032 χ^2/NDF: 5394673.8/41

In: 240.613+/-0.035 χ^2/NDF:4871641.8/41

Out: 207.468+/-0.031 χ^2/NDF:9794780.5/47

All: 222.077+/-0.023 χ^2/NDF: 15160738.4/89



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: 30.1/22

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

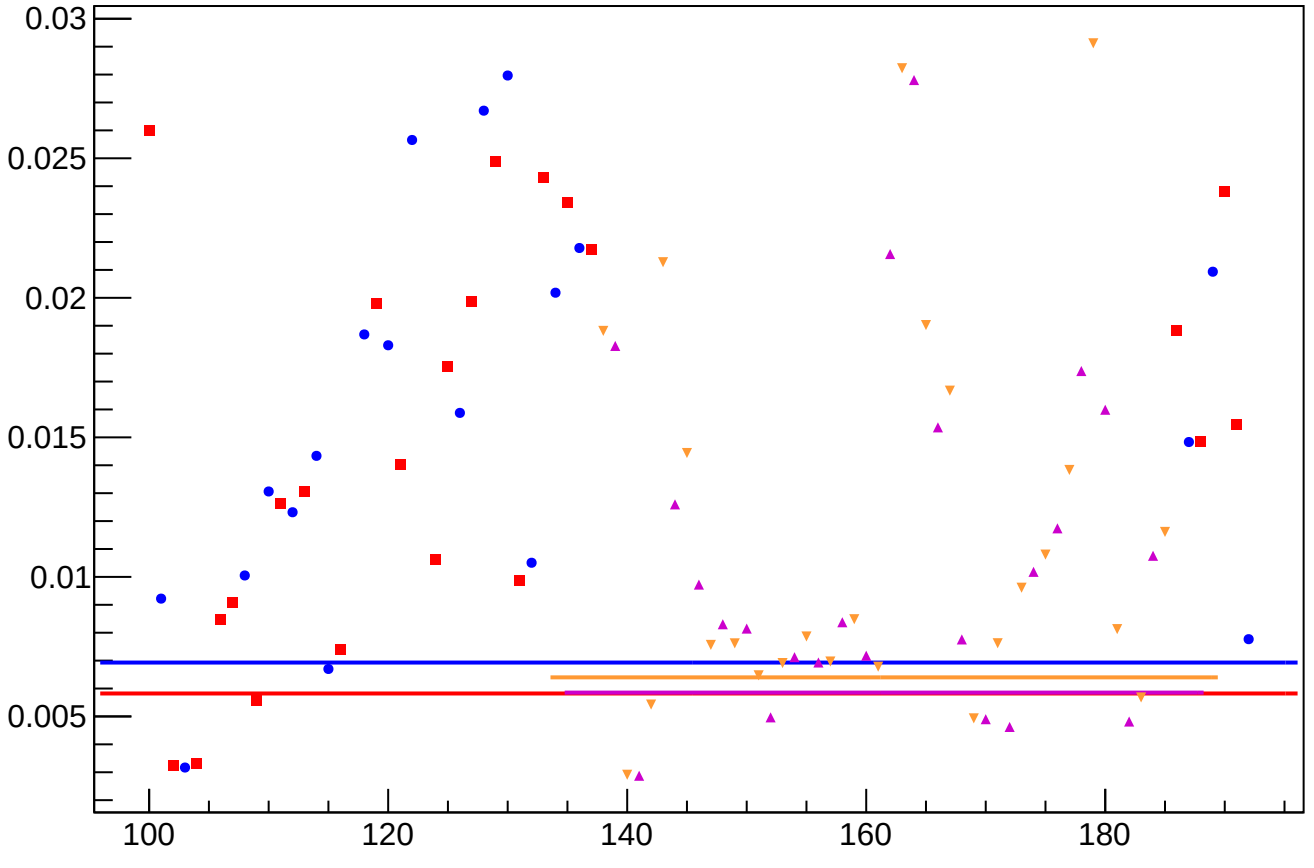
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 48.0/41

In: -0.000+/-0.000 χ^2/NDF:46.8/41

Out: -0.000+/-0.000 χ^2/NDF:77.0/47

All: -0.000+/-0.000 χ^2/NDF: 126.3/89



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: 7397588.6/22

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

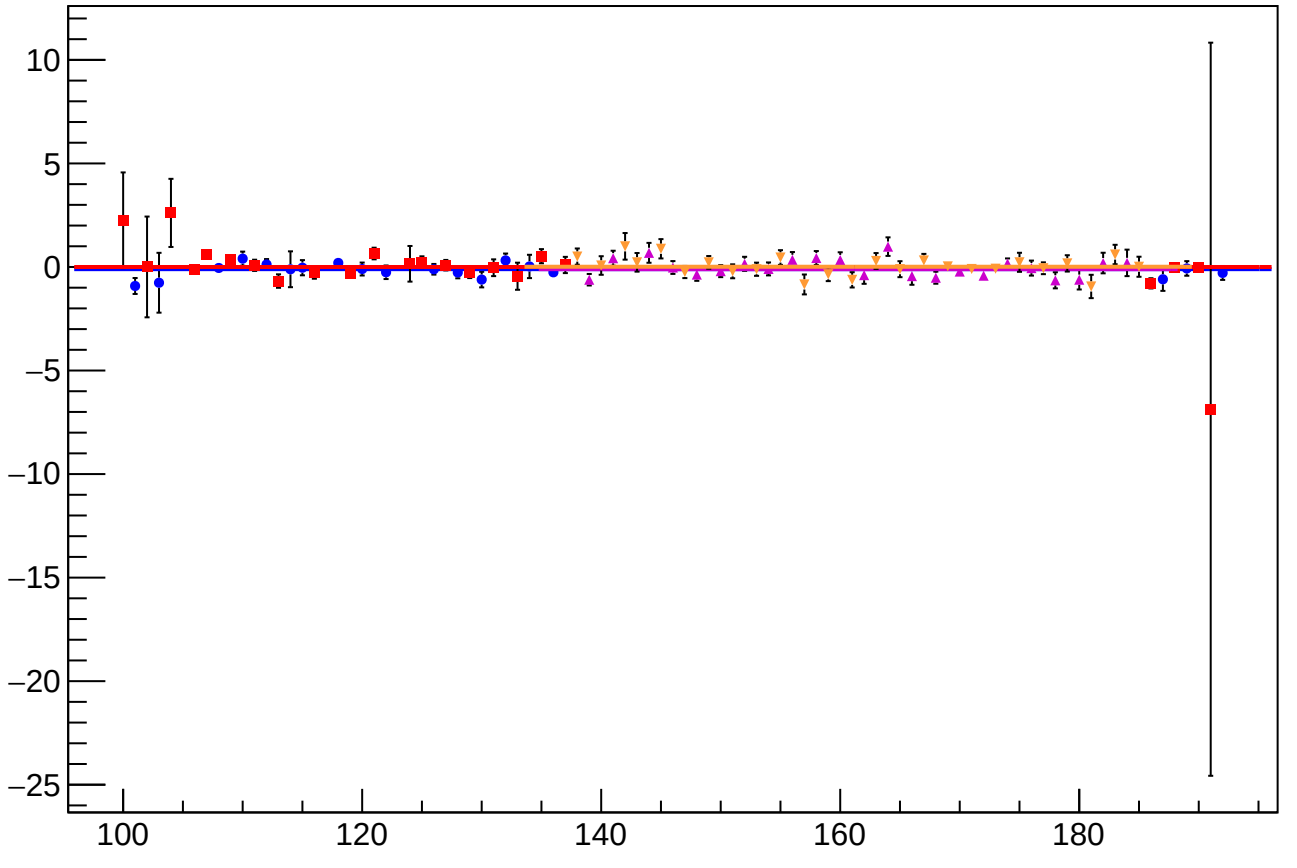
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.006+/-0.000 χ^2/NDF: 14053935.7/41

In: 0.006+/-0.000 χ^2/NDF:14835550.4/41

Out: 0.006+/-0.000 χ^2/NDF:16434034.0/47

All: 0.006+/-0.000 χ^2/NDF: 31277232.2/89



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: -0.001+/-0.058 χ^2/NDF: 40.1/22

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

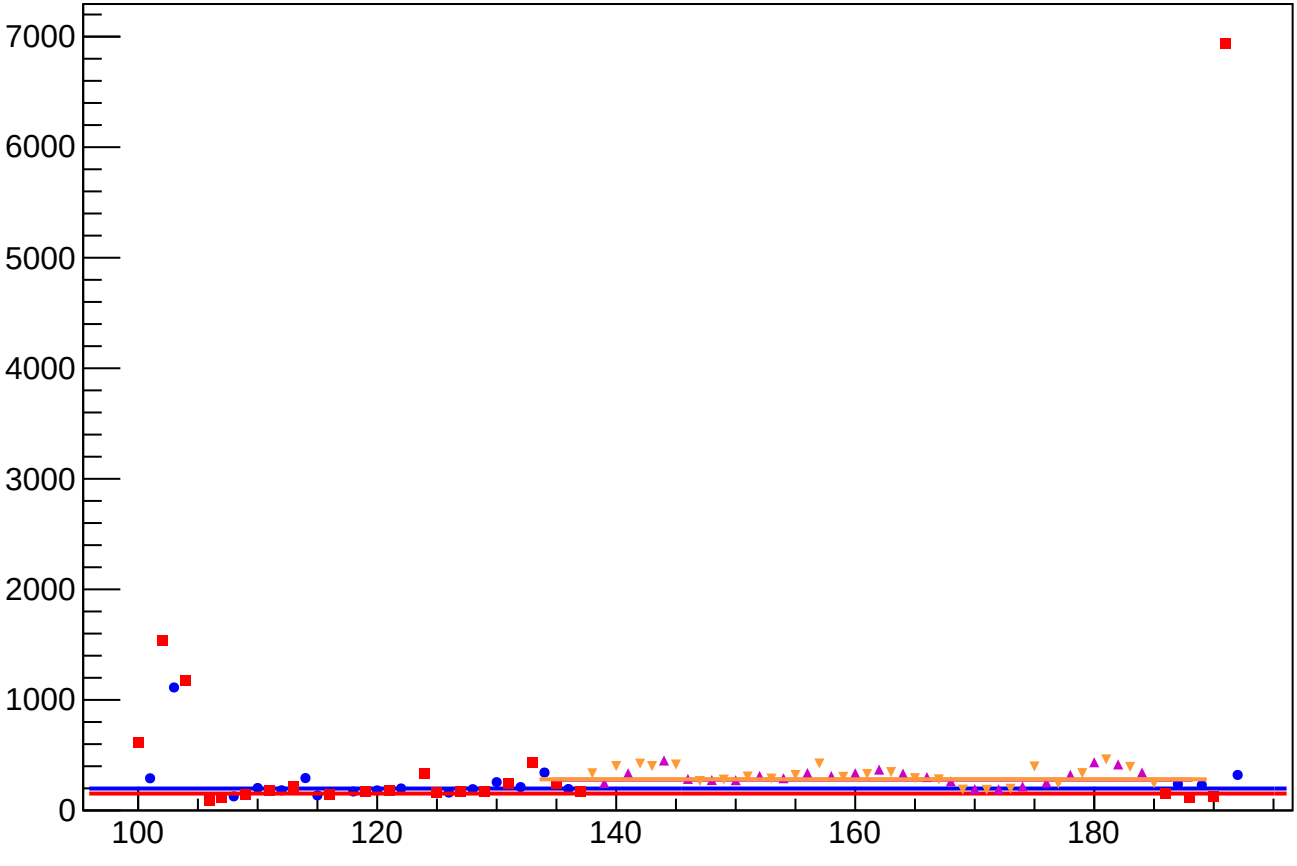
Right: -0.042+/-0.045 χ^2/NDF: 56.3/41

In: -0.105+/-0.050 χ^2/NDF:46.4/41

Out: 0.004+/-0.044 χ^2/NDF:65.3/47

All: -0.044+/-0.033 χ^2/NDF: 114.4/89

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: 152.937+/-0.041 χ^2/NDF: 3135188.9/22

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

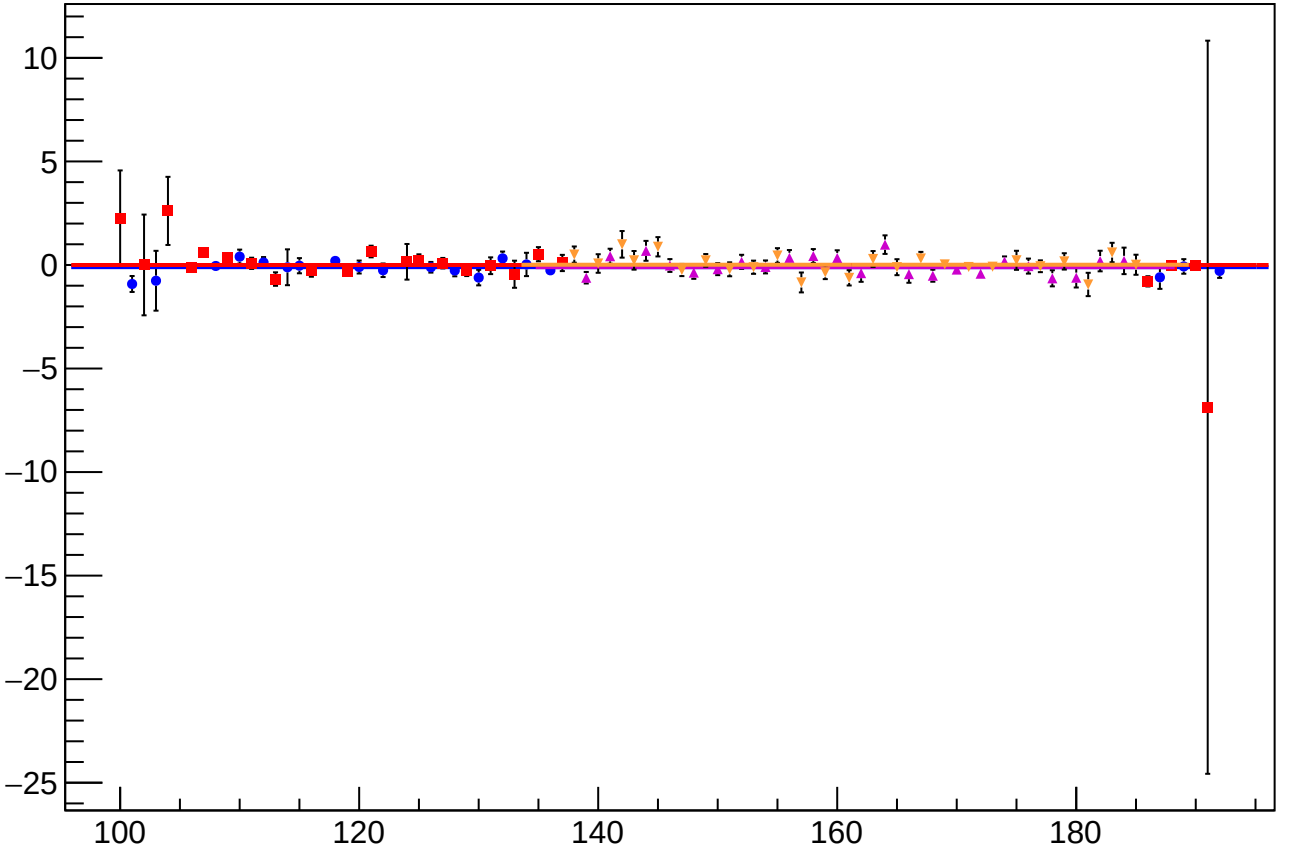
Right: 170.710+/-0.032 χ^2/NDF: 5394781.2/41

In: 240.613+/-0.035 χ^2/NDF:4871763.0/41

Out: 207.466+/-0.031 χ^2/NDF:9795267.0/47

All: 222.076+/-0.023 χ^2/NDF: 15161436.9/89

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: -0.001+/-0.058 χ^2/NDF: 40.1/22

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

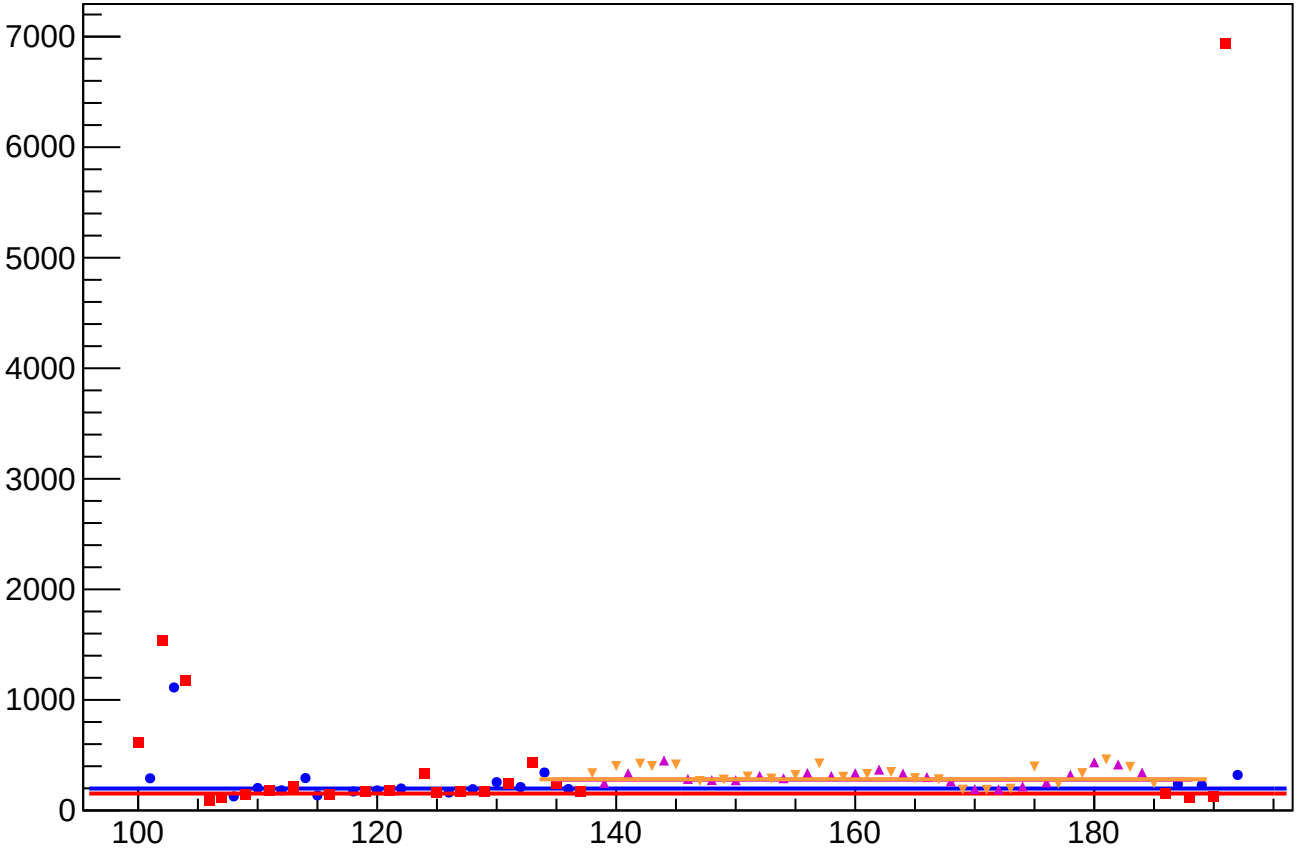
Right: -0.042+/-0.045 χ^2/NDF: 56.3/41

In: -0.105+/-0.050 χ^2/NDF:46.4/41

Out: 0.004+/-0.044 χ^2/NDF:65.3/47

All: -0.044+/-0.033 χ^2/NDF: 114.4/89

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: 152.937+/-0.041 χ^2/NDF: 3135188.9/22

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

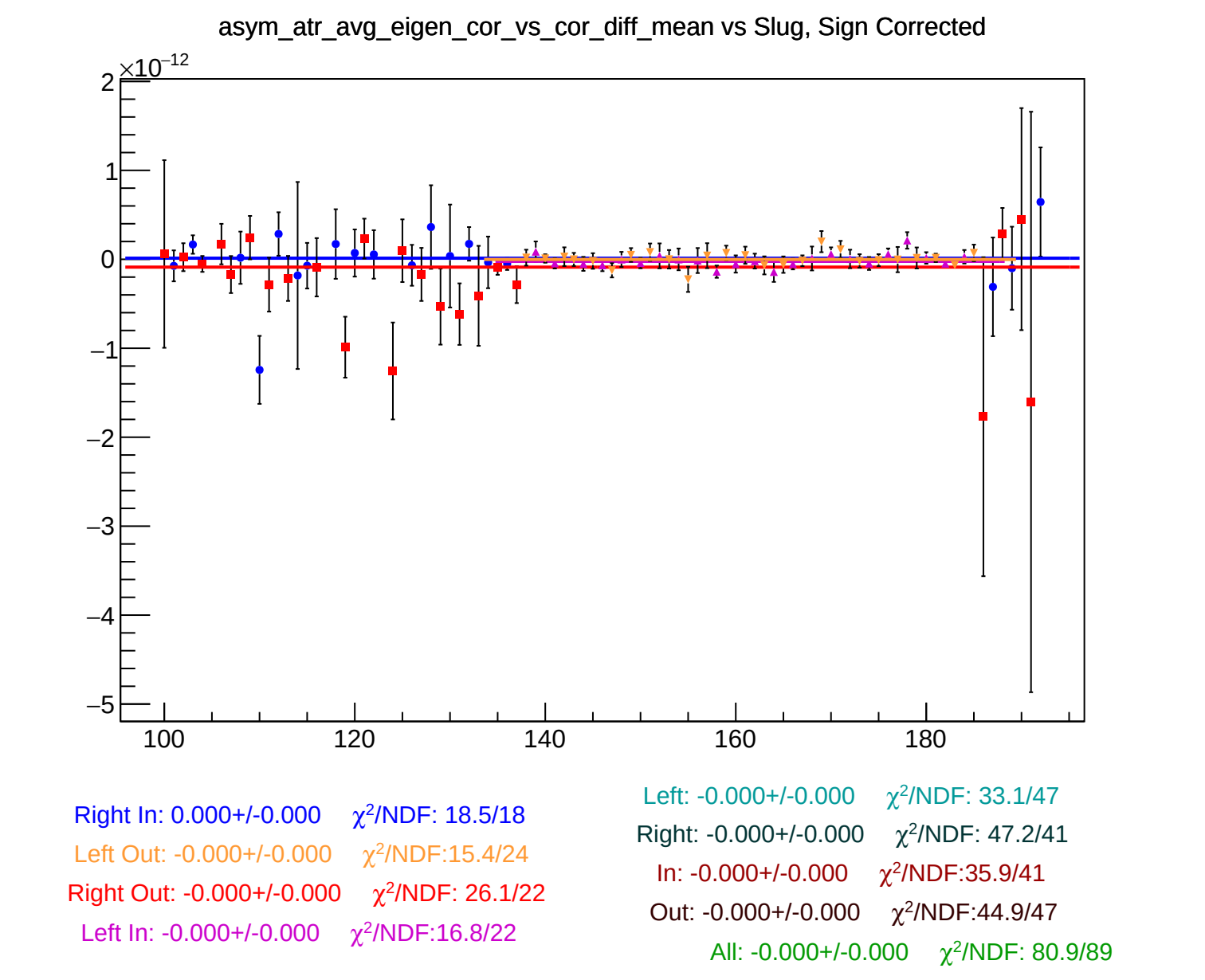
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

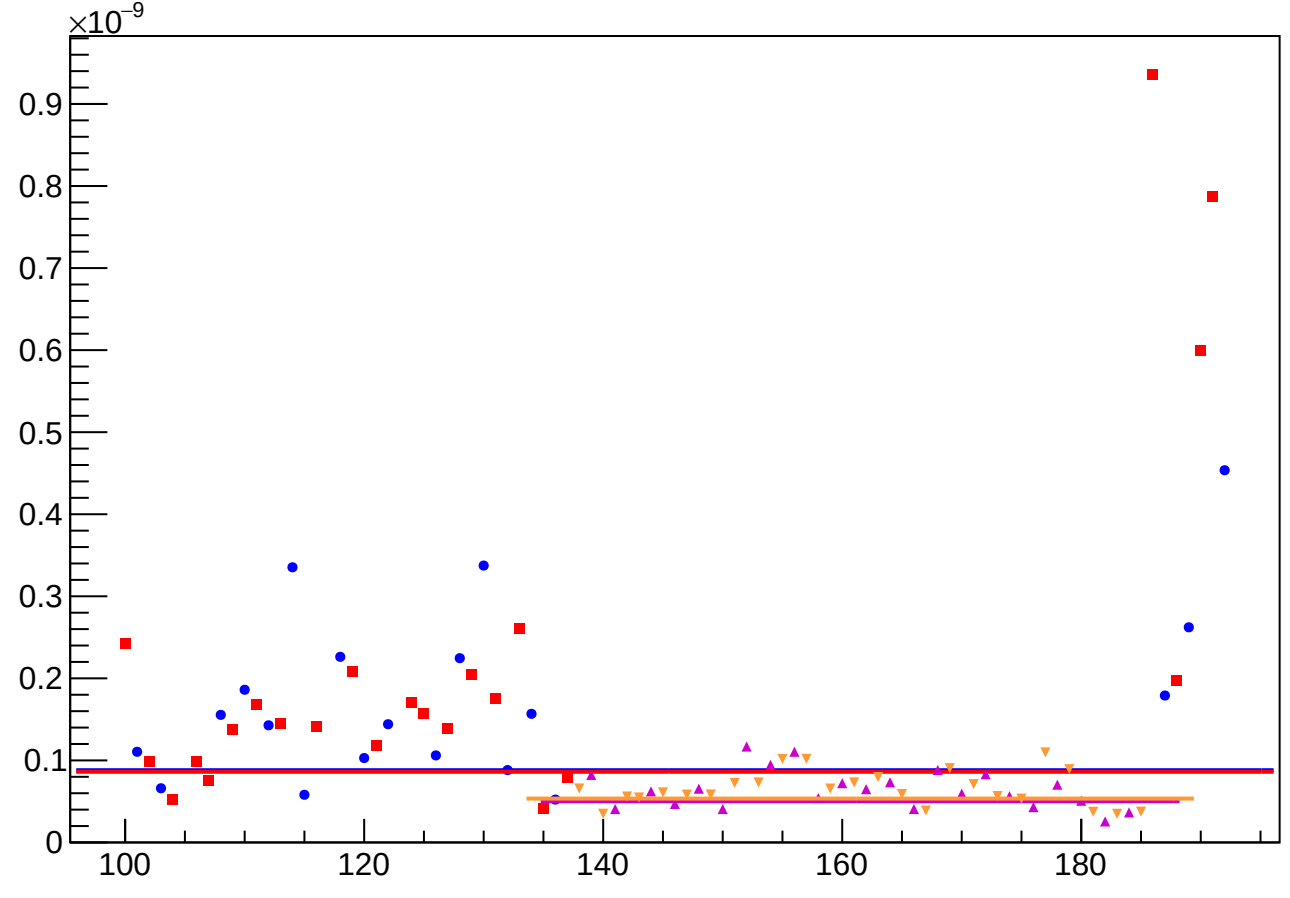
Right: 170.710+/-0.032 χ^2/NDF: 5394781.2/41

In: 240.613+/-0.035 χ^2/NDF:4871763.0/41

Out: 207.466+/-0.031 χ^2/NDF:9795267.0/47

All: 222.076+/-0.023 χ^2/NDF: 15161436.9/89


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: 26.1/22
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: 47.2/41
In: -0.000+/-0.000 χ²/NDF:35.9/41
Out: -0.000+/-0.000 χ²/NDF:44.9/47
All: -0.000+/-0.000 χ²/NDF: 80.9/89



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: 3457209.3/22

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

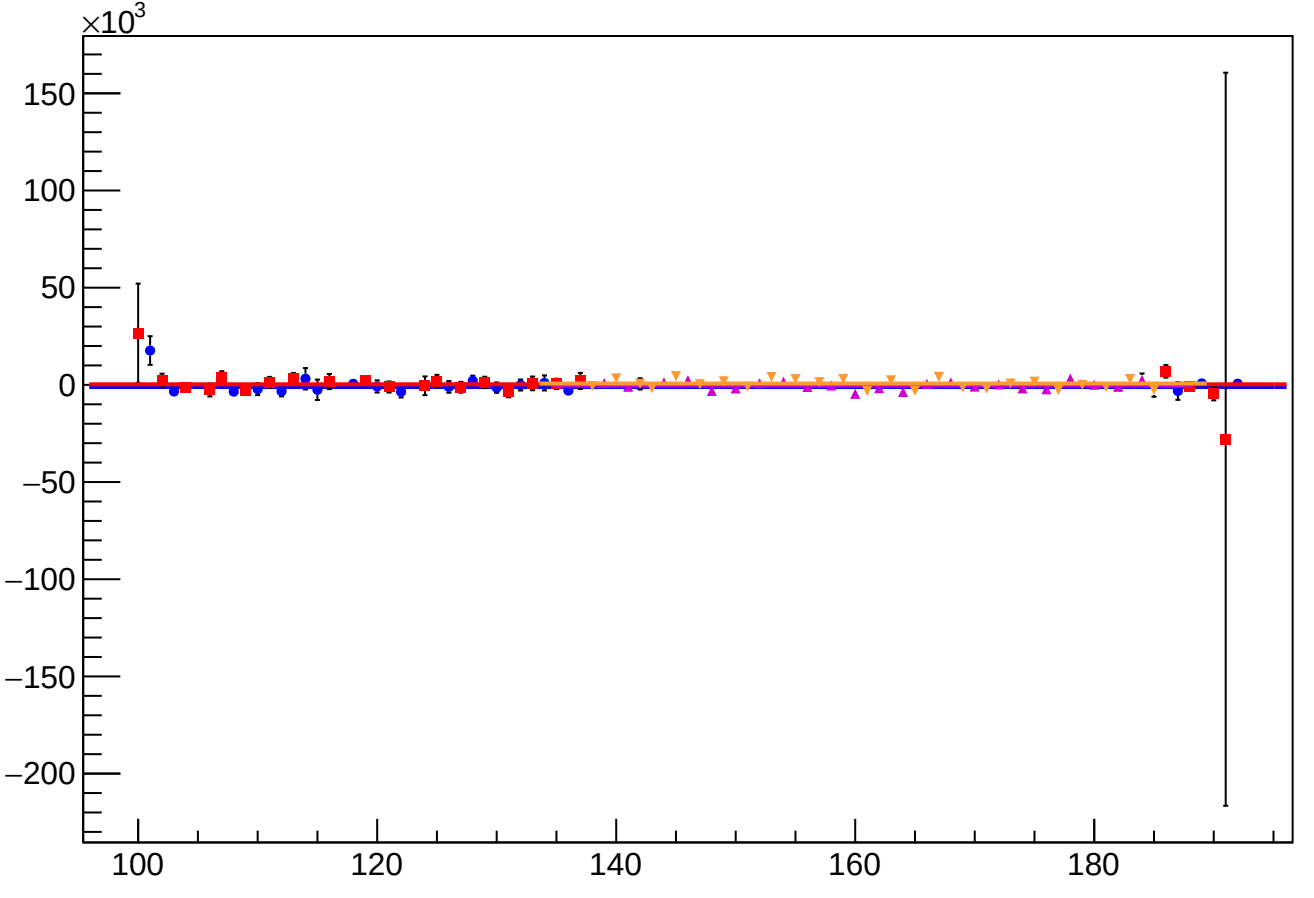
Right: 0.000+/-0.000 χ^2/NDF: 6627720.5/41

In: 0.000+/-0.000 χ^2/NDF:7798179.2/41

Out: 0.000+/-0.000 χ^2/NDF:7210595.0/47

All: 0.000+/-0.000 χ^2/NDF: 15049290.2/89

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: 292.398+/-639.825 χ^2/NDF: 16.8/22

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

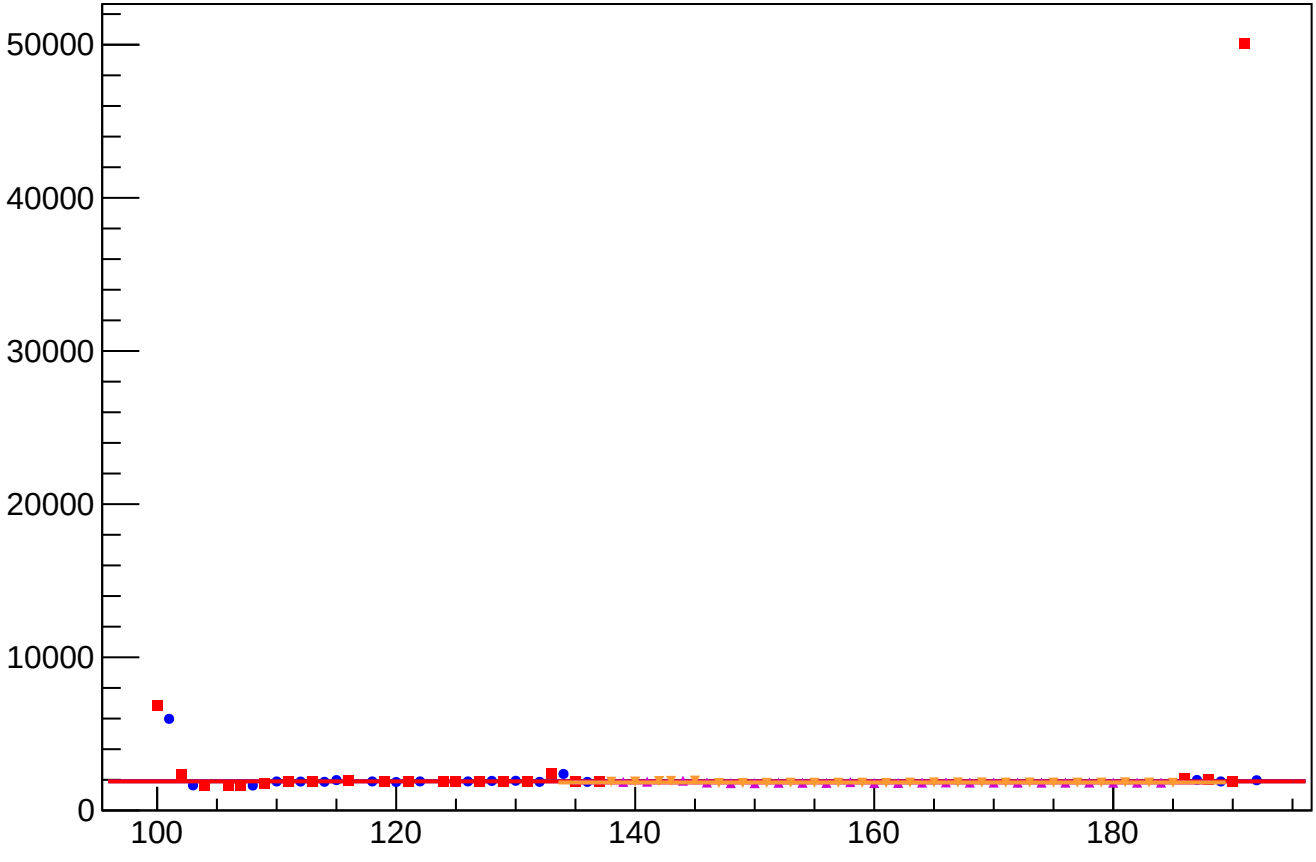
Right: -403.508+/-456.407 χ^2/NDF: 34.4/41

In: -619.455+/-356.628 χ^2/NDF:36.8/41

Out: 583.183+/-348.401 χ^2/NDF:49.0/47

All: -4.104+/-249.214 χ^2/NDF: 91.6/89

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: 1899.411+/-0.451 χ^2/NDF: 366654.6/22

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

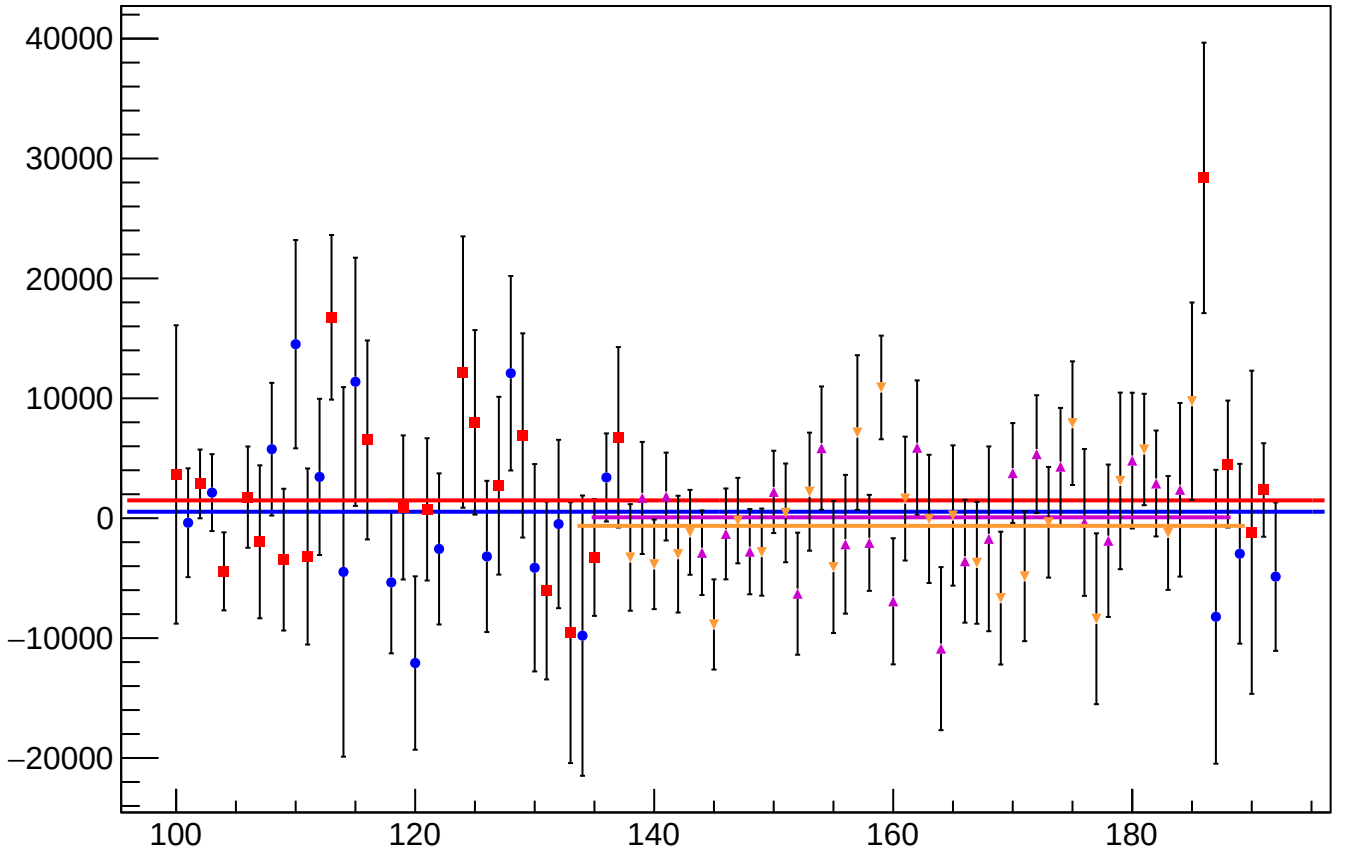
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1903.645+/-0.322 χ^2/NDF: 1067382.2/41

In: 1850.022+/-0.252 χ^2/NDF:736592.8/41

Out: 1849.428+/-0.246 χ^2/NDF:403460.0/47

All: 1849.718+/-0.176 χ^2/NDF: 1140055.7/89



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: 1485.741+/-1195.206 χ^2/NDF: 22.0/22

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

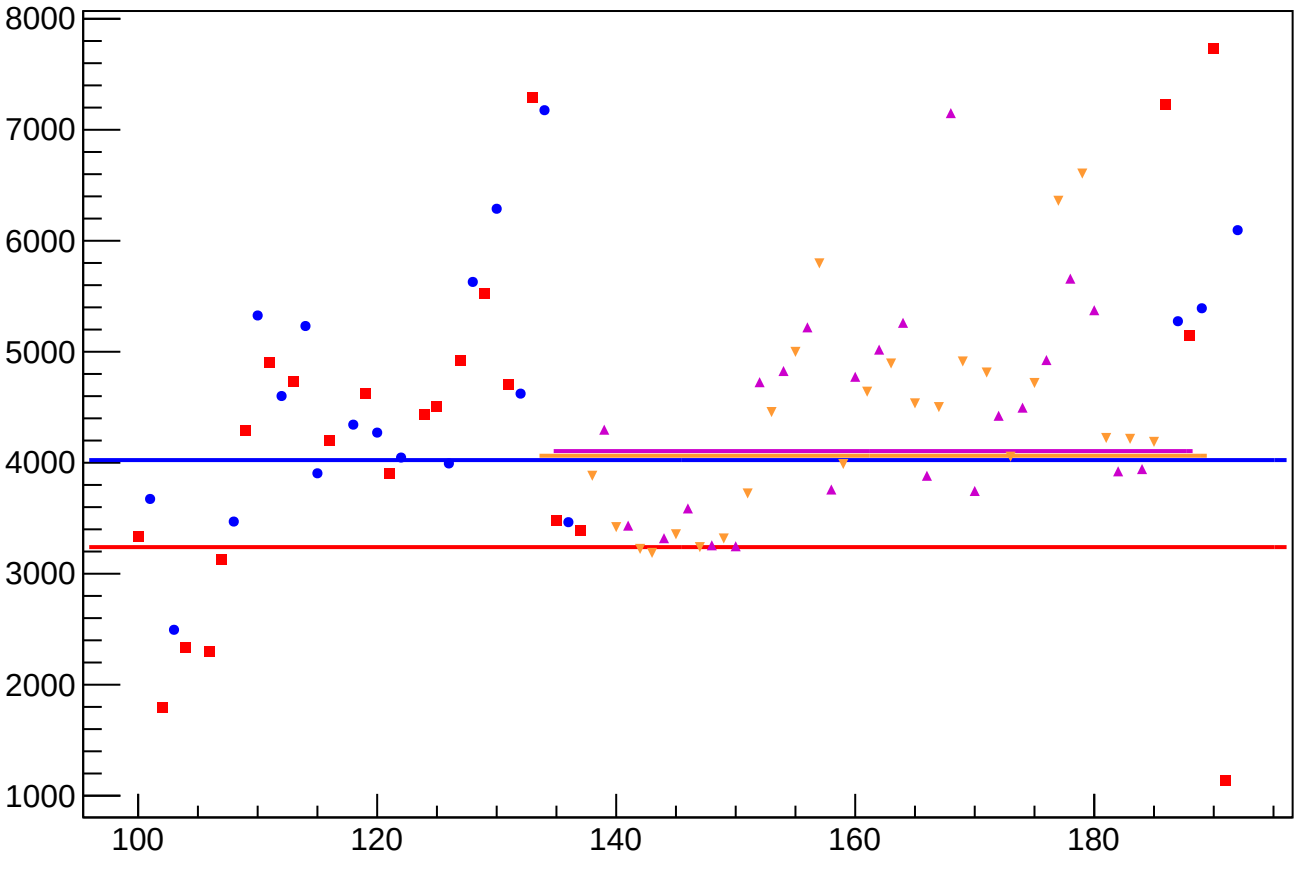
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 1088.140+/-910.014 χ^2/NDF: 37.2/41

In: 227.854+/-803.677 χ^2/NDF:30.5/41

Out: 181.104+/-742.187 χ^2/NDF:49.9/47

All: 202.622+/-545.249 χ^2/NDF: 80.4/89



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: 3239.838+/-0.845 χ^2/NDF: 3178451.3/22

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

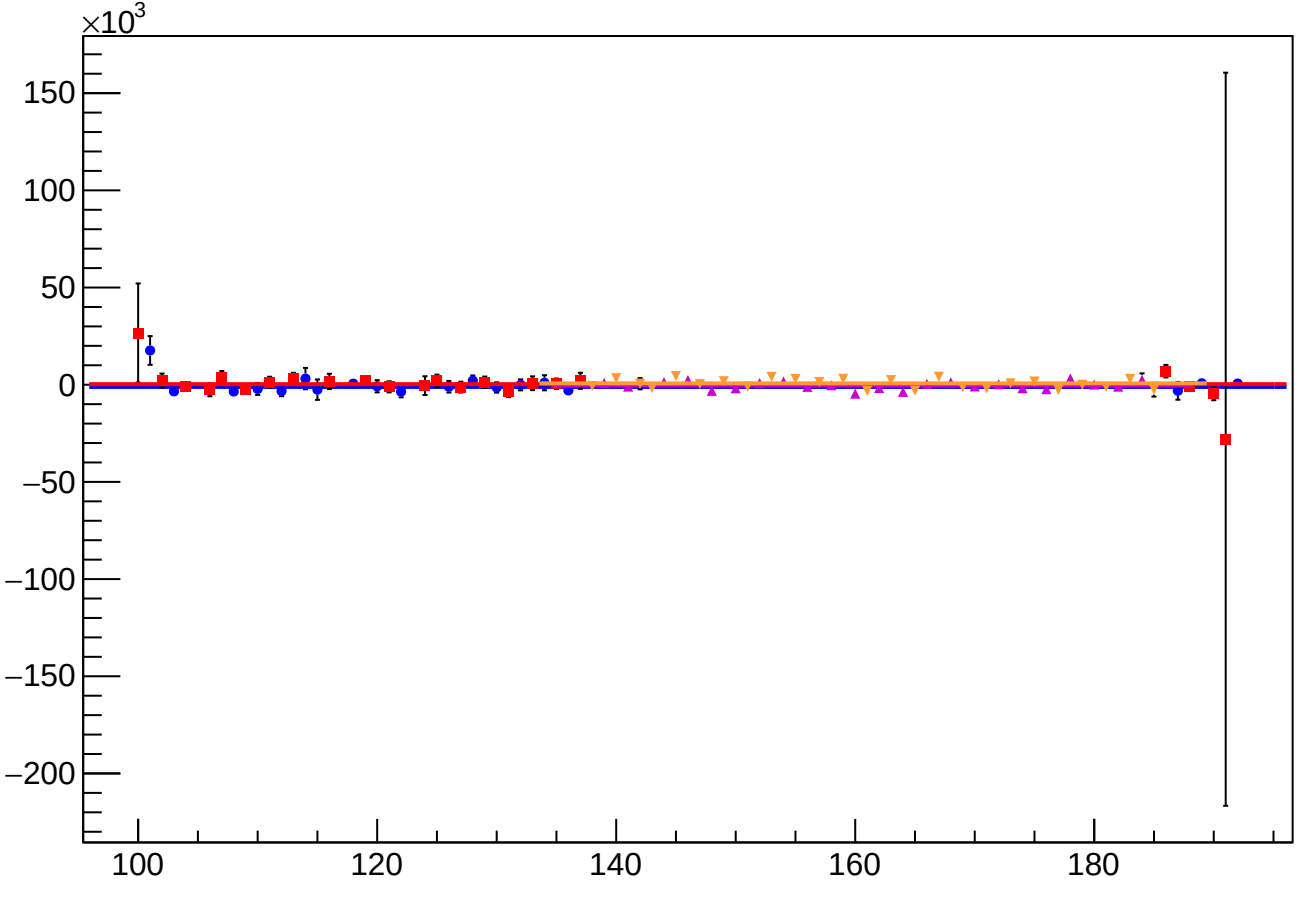
Right: 3569.368+/-0.643 χ^2/NDF: 4841207.9/41

In: 4078.451+/-0.568 χ^2/NDF:2665012.2/41

Out: 3745.652+/-0.525 χ^2/NDF:5166501.4/47

All: 3898.835+/-0.386 χ^2/NDF: 8016609.0/89

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: 283.638+/-640.540 χ^2/NDF: 16.7/22

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

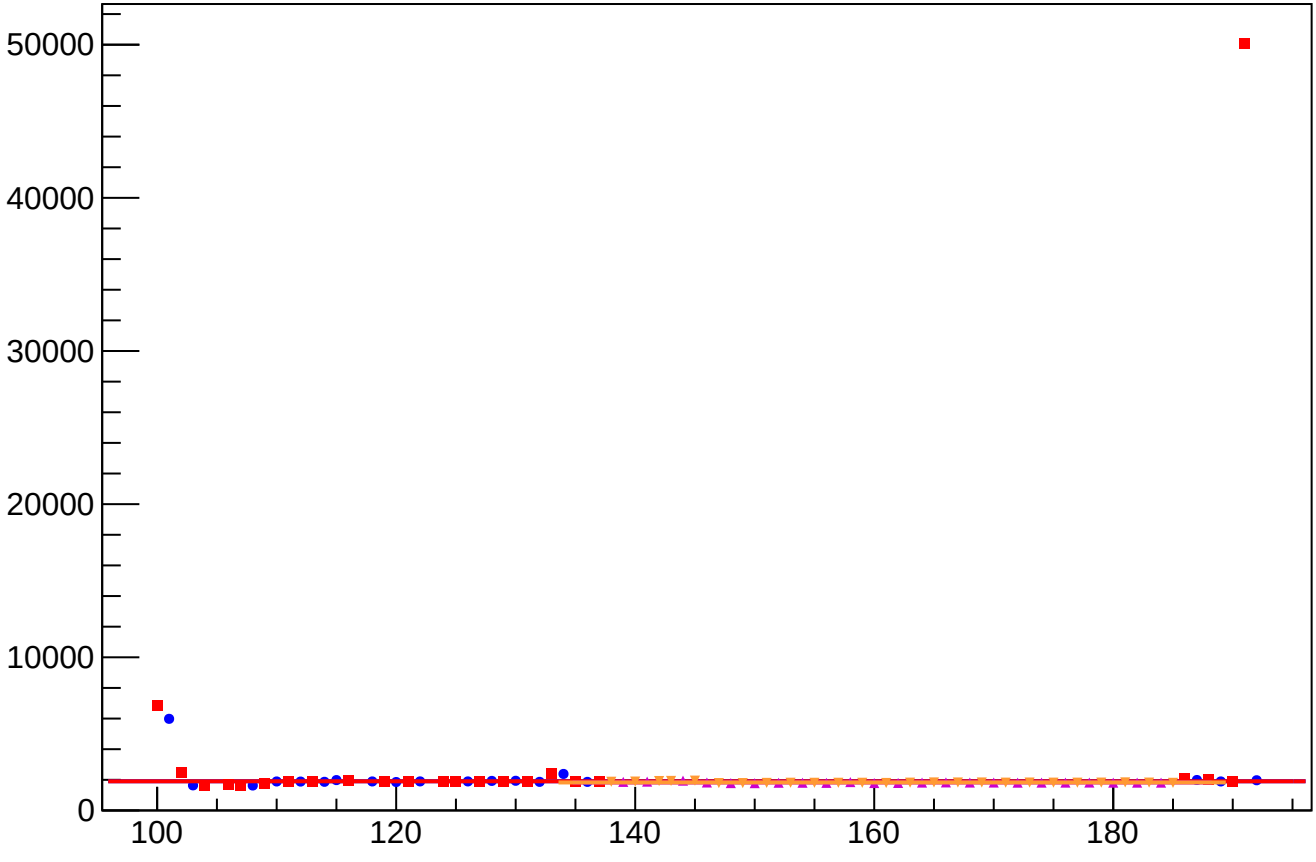
Right: -408.915+/-456.667 χ^2/NDF: 34.3/41

In: -619.439+/-356.628 χ^2/NDF:36.8/41

Out: 580.823+/-348.516 χ^2/NDF:49.0/47

All: -5.503+/-249.256 χ^2/NDF: 91.5/89

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: 1905.146+/-0.452 χ^2/NDF: 374191.4/22

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

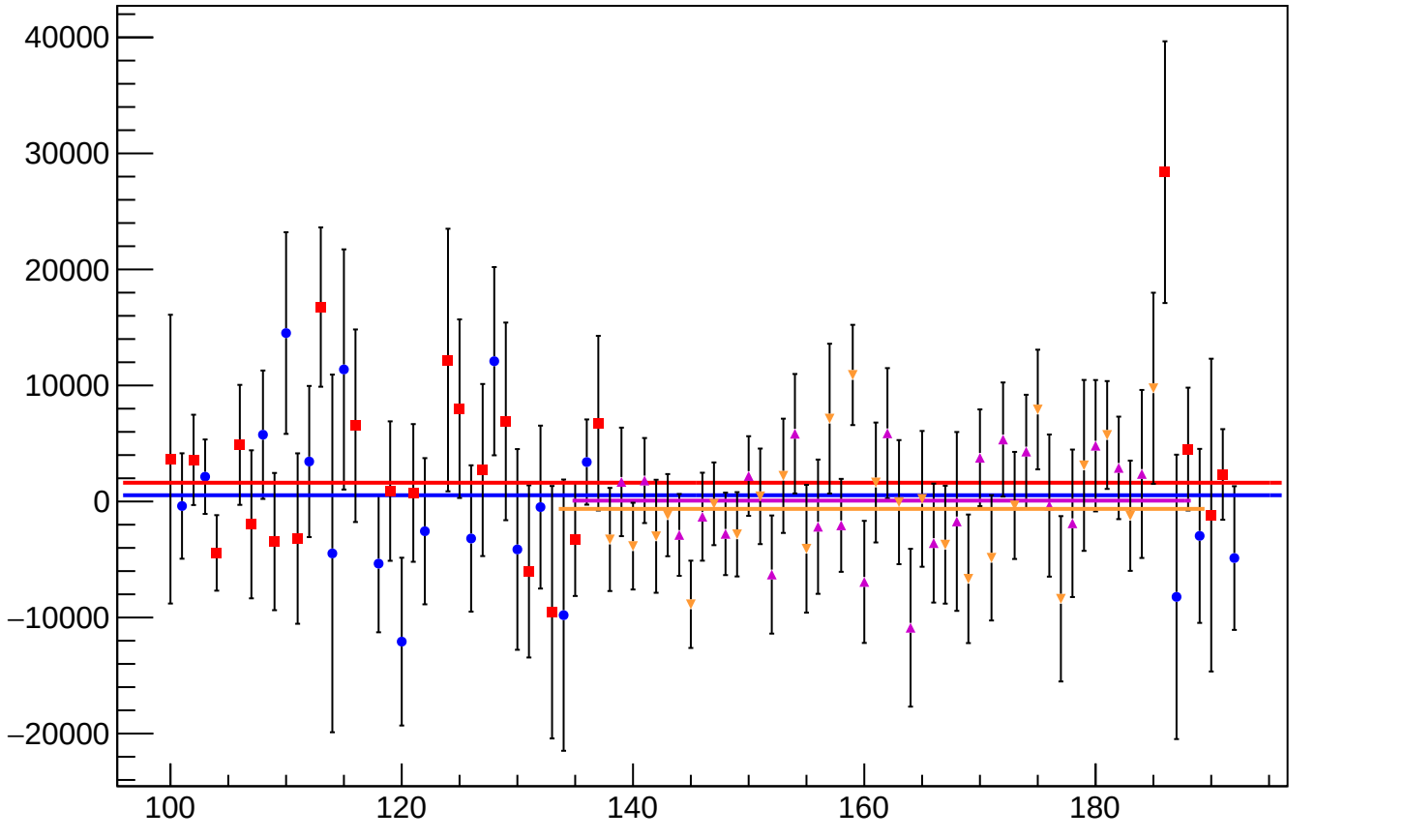
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1906.575+/-0.323 χ^2/NDF: 1074759.6/41

In: 1850.022+/-0.252 χ^2/NDF:736592.9/41

Out: 1851.050+/-0.246 χ^2/NDF:413851.5/47

All: 1850.548+/-0.176 χ^2/NDF: 1150452.8/89



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: 1616.610+/-1264.344 χ^2/NDF: 22.4/22

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

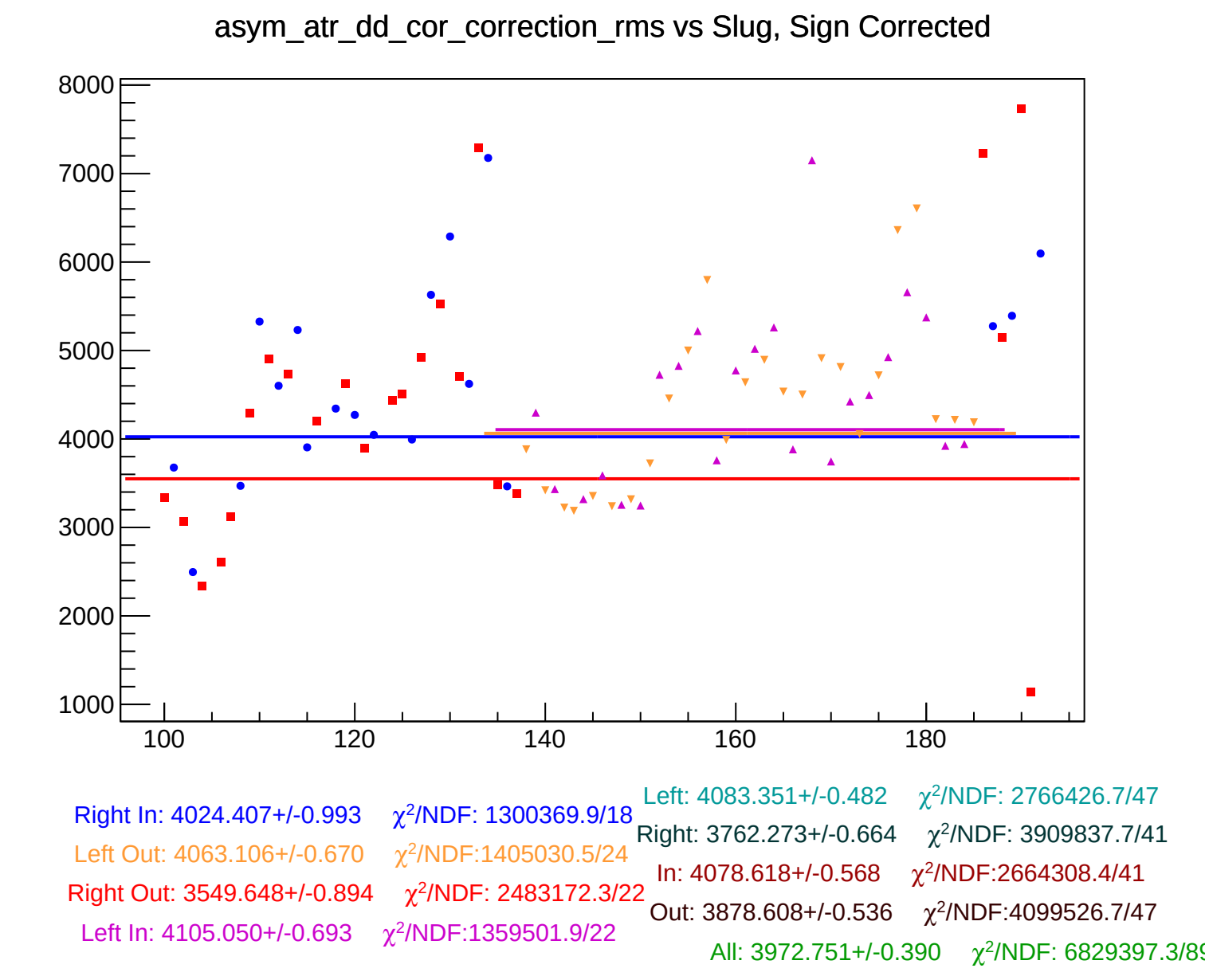
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

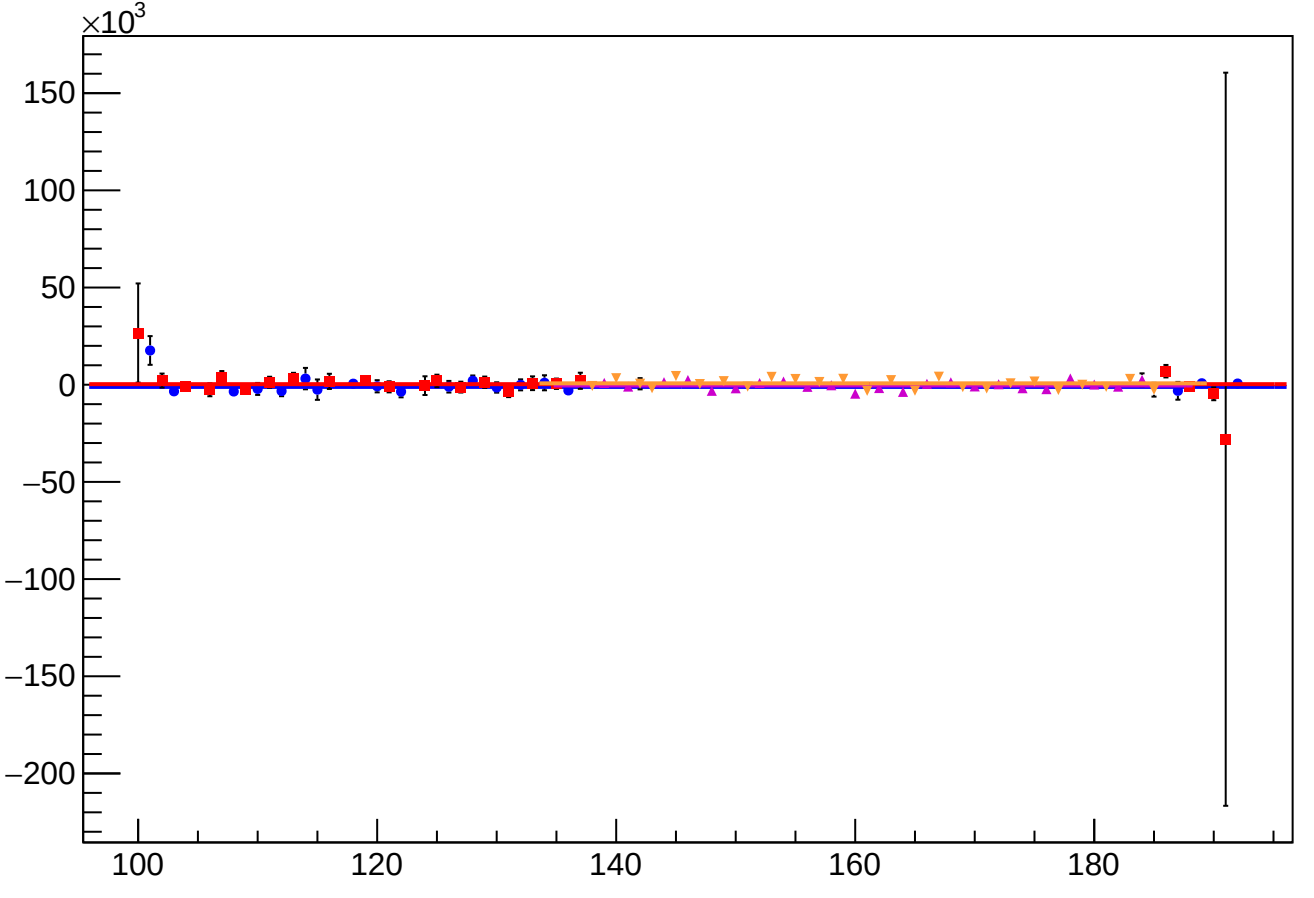
Right: 1133.786+/-939.485 χ^2/NDF: 37.8/41

In: 227.460+/-803.703 χ^2/NDF:30.5/41

Out: 172.313+/-757.893 χ^2/NDF:50.4/47

All: 198.270+/-551.395 χ^2/NDF: 81.0/89


asym_atr_dd_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
Right In: 4024.407+/-0.993 χ²/NDF: 1300369.9/18
Left Out: 4063.106+/-0.670 χ²/NDF:1405030.5/24
Right Out: 3549.648+/-0.894 χ²/NDF: 2483172.3/22
Left In: 4105.050+/-0.693 χ²/NDF:1359501.9/22
Left: 4083.351+/-0.482 χ²/NDF: 2766426.7/47
Right: 3762.273+/-0.664 χ²/NDF: 3909837.7/41
In: 4078.618+/-0.568 χ²/NDF:2664308.4/41
Out: 3878.608+/-0.536 χ²/NDF:4099526.7/47
All: 3972.751+/-0.390 χ²/NDF: 6829397.3/89



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: 283.638+/-640.540 χ^2/NDF: 16.7/22

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

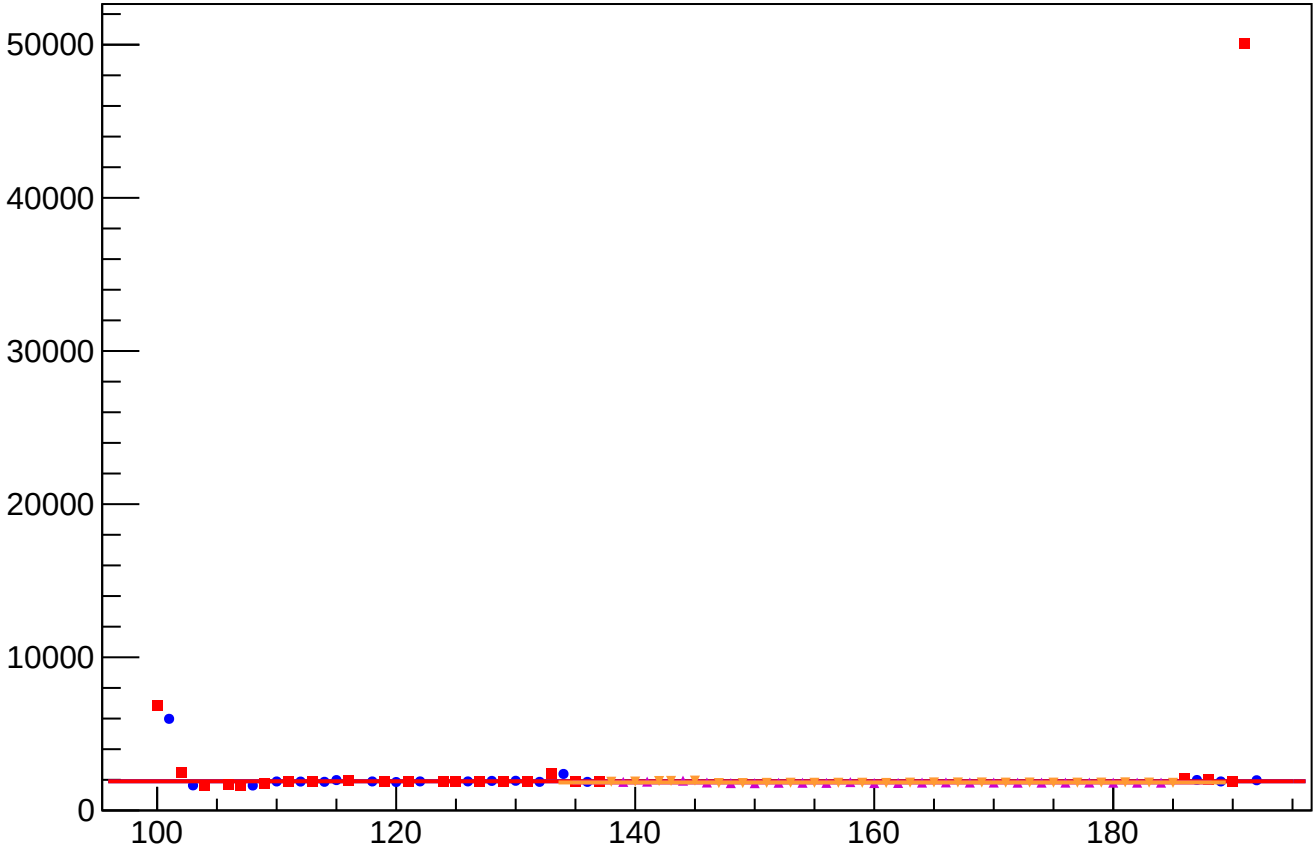
Right: -408.915+/-456.667 χ^2/NDF: 34.3/41

In: -619.439+/-356.628 χ^2/NDF:36.8/41

Out: 580.823+/-348.516 χ^2/NDF:49.0/47

All: -5.503+/-249.256 χ^2/NDF: 91.5/89

eigen_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: 1905.146+/-0.452 χ^2/NDF: 374191.4/22

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

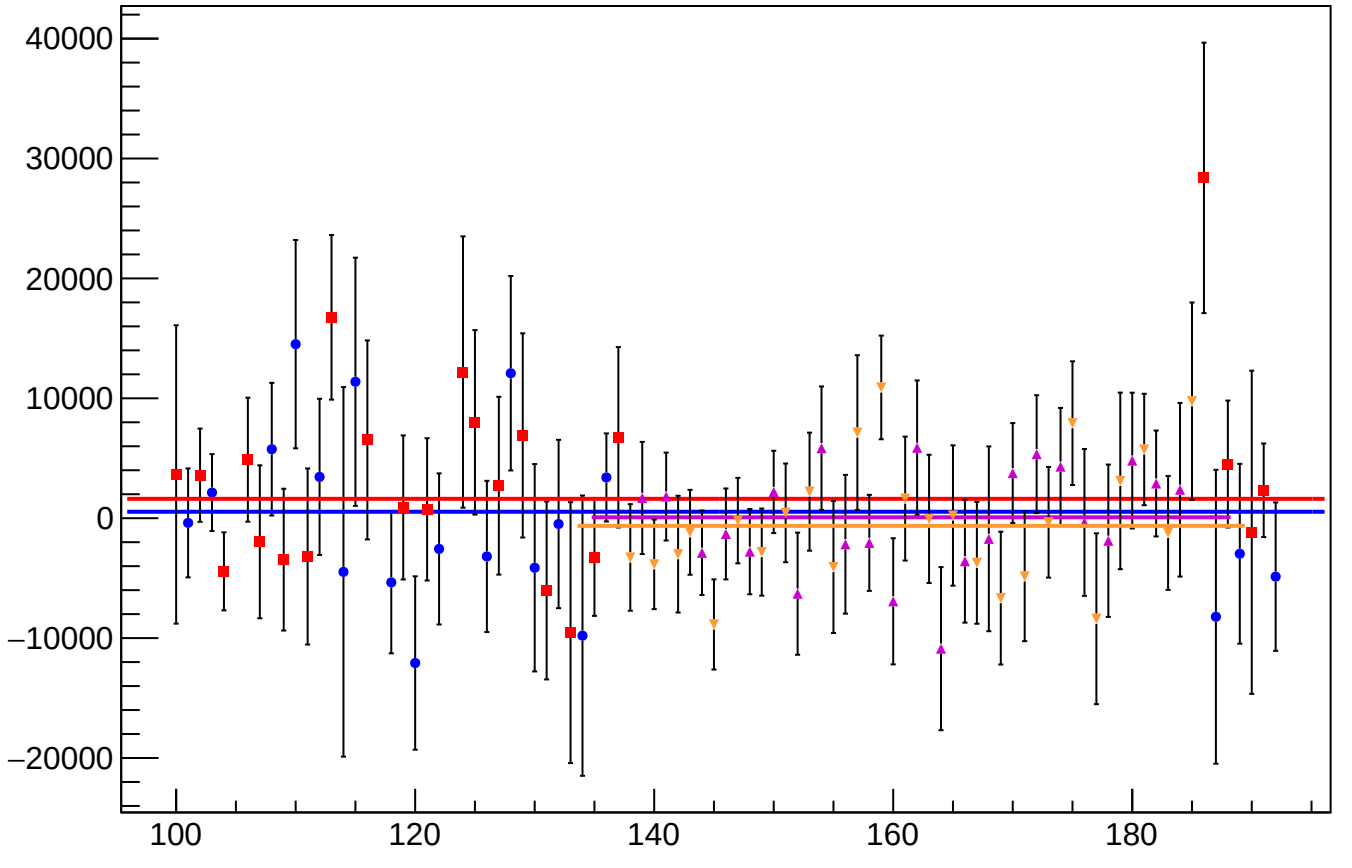
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1906.575+/-0.323 χ^2/NDF: 1074759.6/41

In: 1850.022+/-0.252 χ^2/NDF:736592.9/41

Out: 1851.050+/-0.246 χ^2/NDF:413851.5/47

All: 1850.548+/-0.176 χ^2/NDF: 1150452.8/89



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: 1616.610+/-1264.344 χ^2/NDF: 22.4/22

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

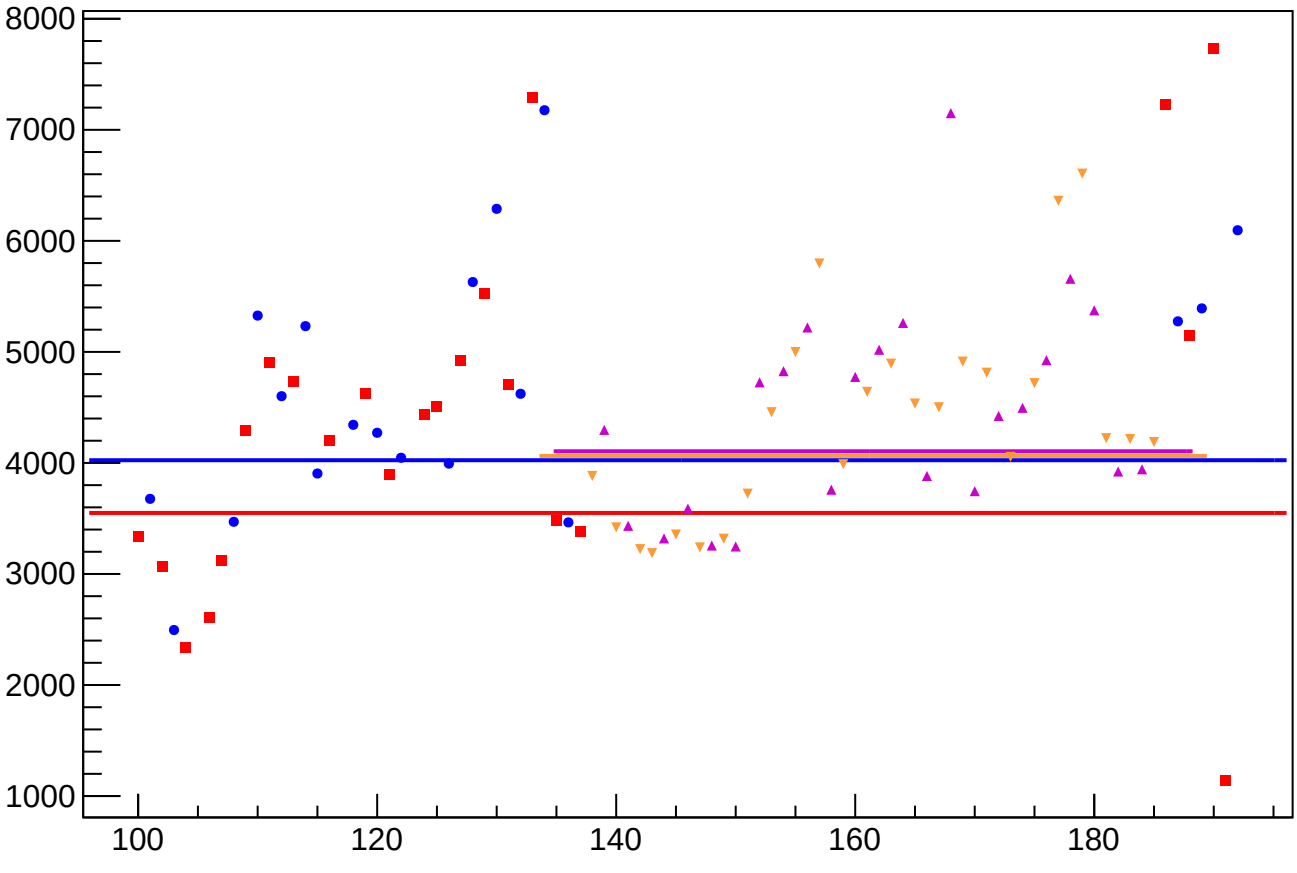
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1133.786+/-939.485 χ^2/NDF: 37.8/41

In: 227.460+/-803.703 χ^2/NDF:30.5/41

Out: 172.313+/-757.893 χ^2/NDF:50.4/47

All: 198.270+/-551.395 χ^2/NDF: 81.0/89



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: 3549.648+/-0.894 χ^2/NDF: 2483172.3/22

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

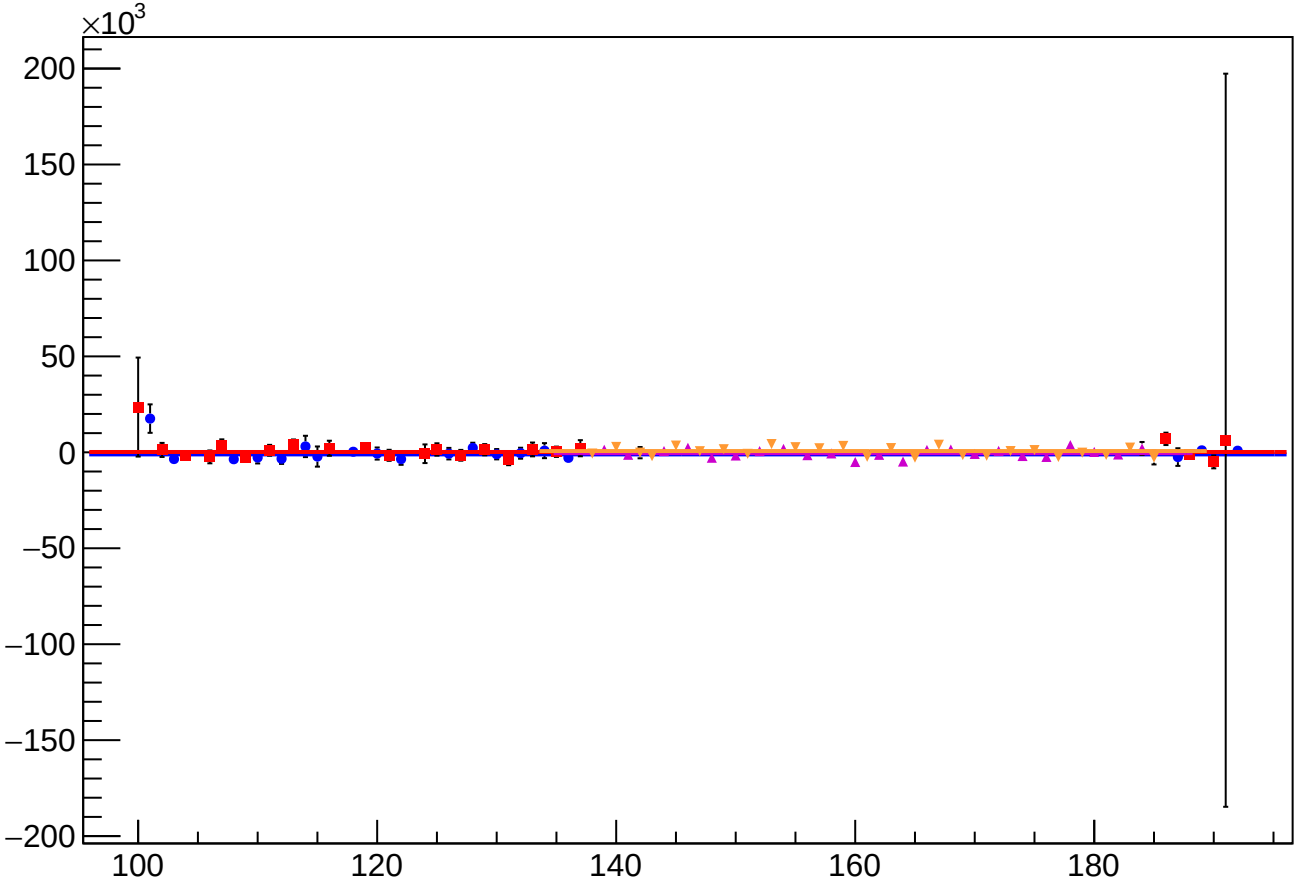
Right: 3762.273+/-0.664 χ^2/NDF: 3909837.7/41

In: 4078.618+/-0.568 χ^2/NDF:2664308.4/41

Out: 3878.608+/-0.536 χ^2/NDF:4099526.7/47

All: 3972.751+/-0.390 χ^2/NDF: 6829397.3/89

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: 175.358+/-644.993 χ^2/NDF: 18.0/22

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

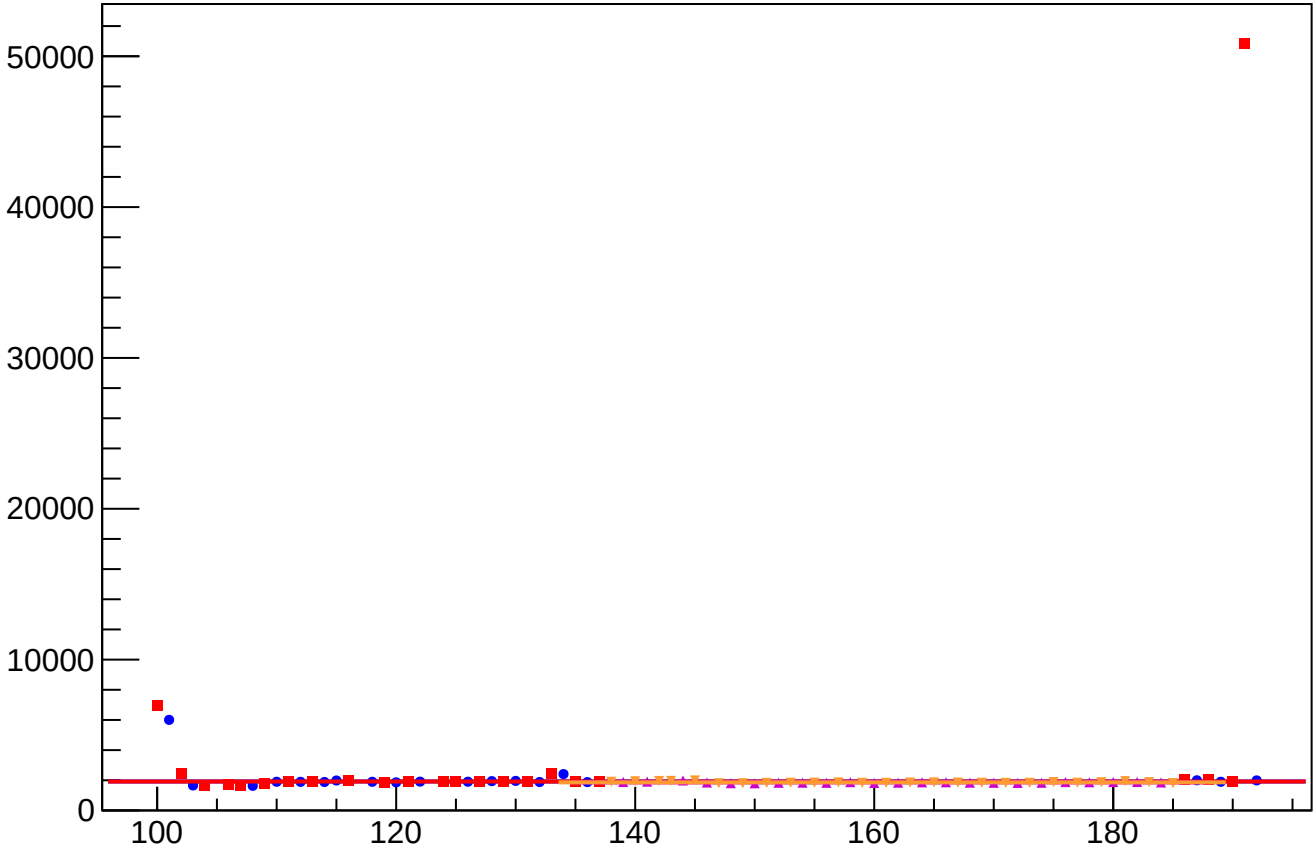
Right: -442.711+/-459.899 χ^2/NDF: 35.4/41

In: -615.102+/-361.862 χ^2/NDF:39.9/41

Out: 512.547+/-353.755 χ^2/NDF:45.5/47

All: -38.503+/-252.960 χ^2/NDF: 90.3/89

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: 1918.264+/-0.456 χ^2/NDF: 377076.1/22

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

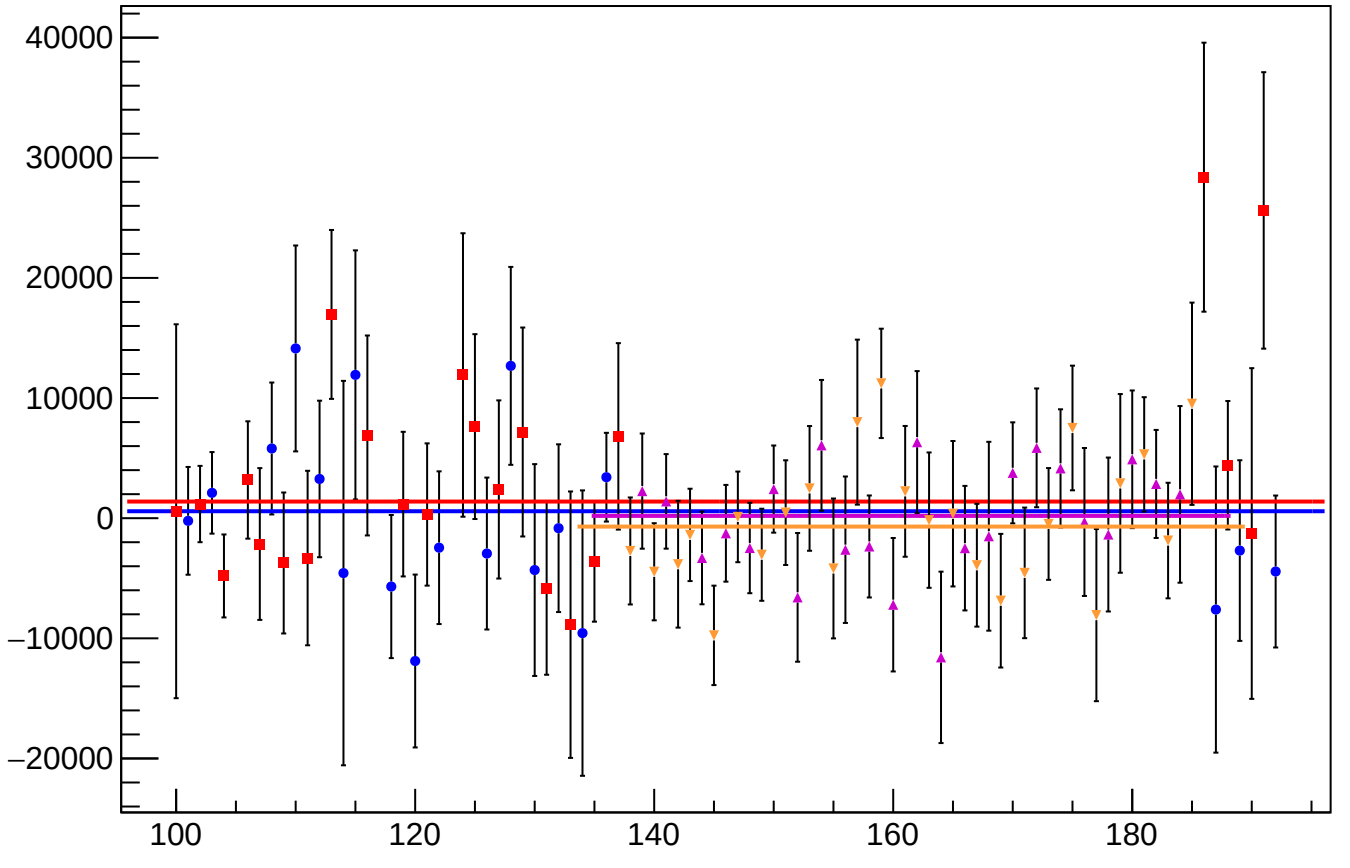
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1920.025+/-0.325 χ^2/NDF: 1076750.3/41

In: 1877.196+/-0.256 χ^2/NDF:729348.1/41

Out: 1878.758+/-0.250 χ^2/NDF:413847.3/47

All: 1877.995+/-0.179 χ^2/NDF: 1143214.5/89



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: 1385.312+/-1304.155 χ^2/NDF: 26.1/22

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

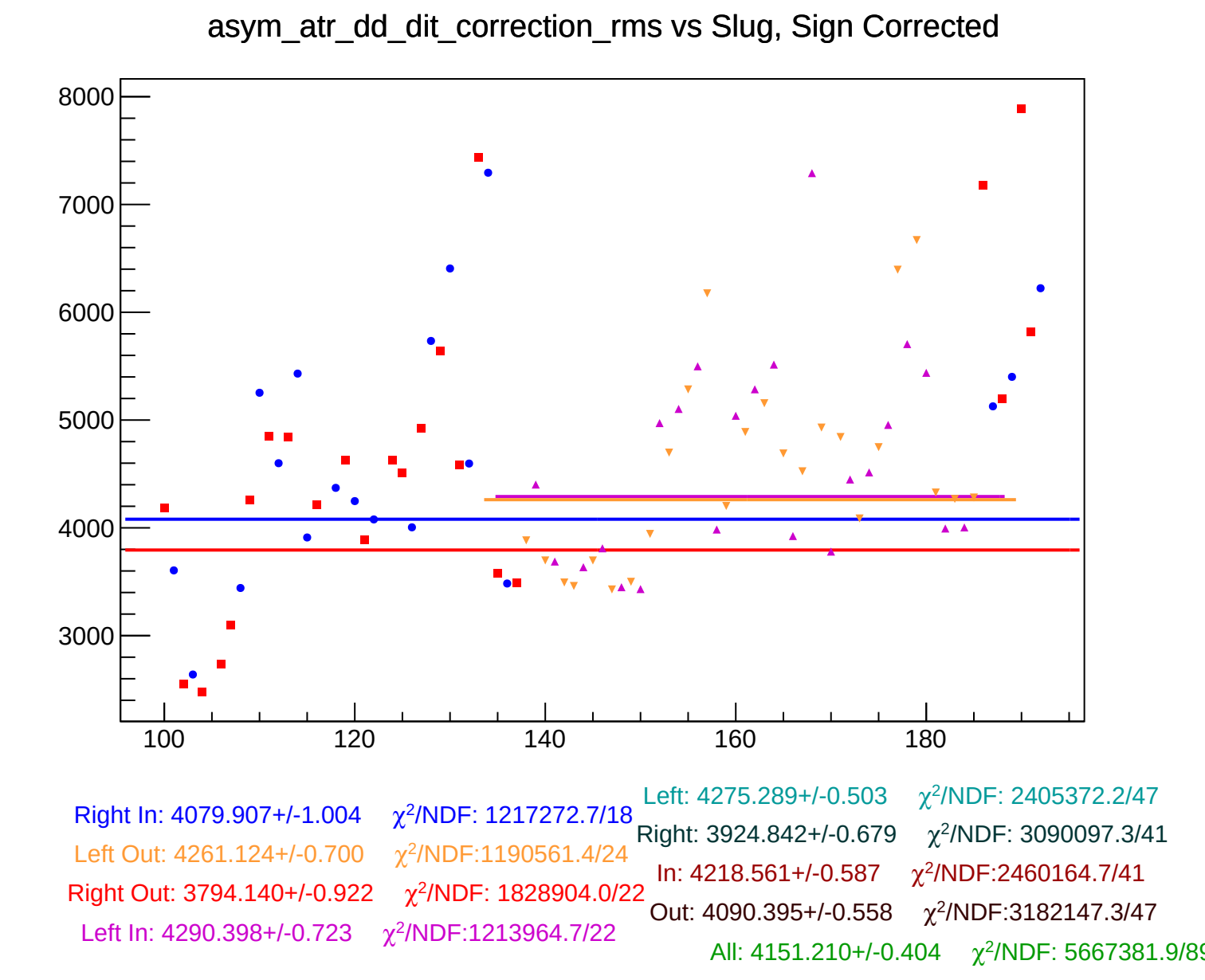
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

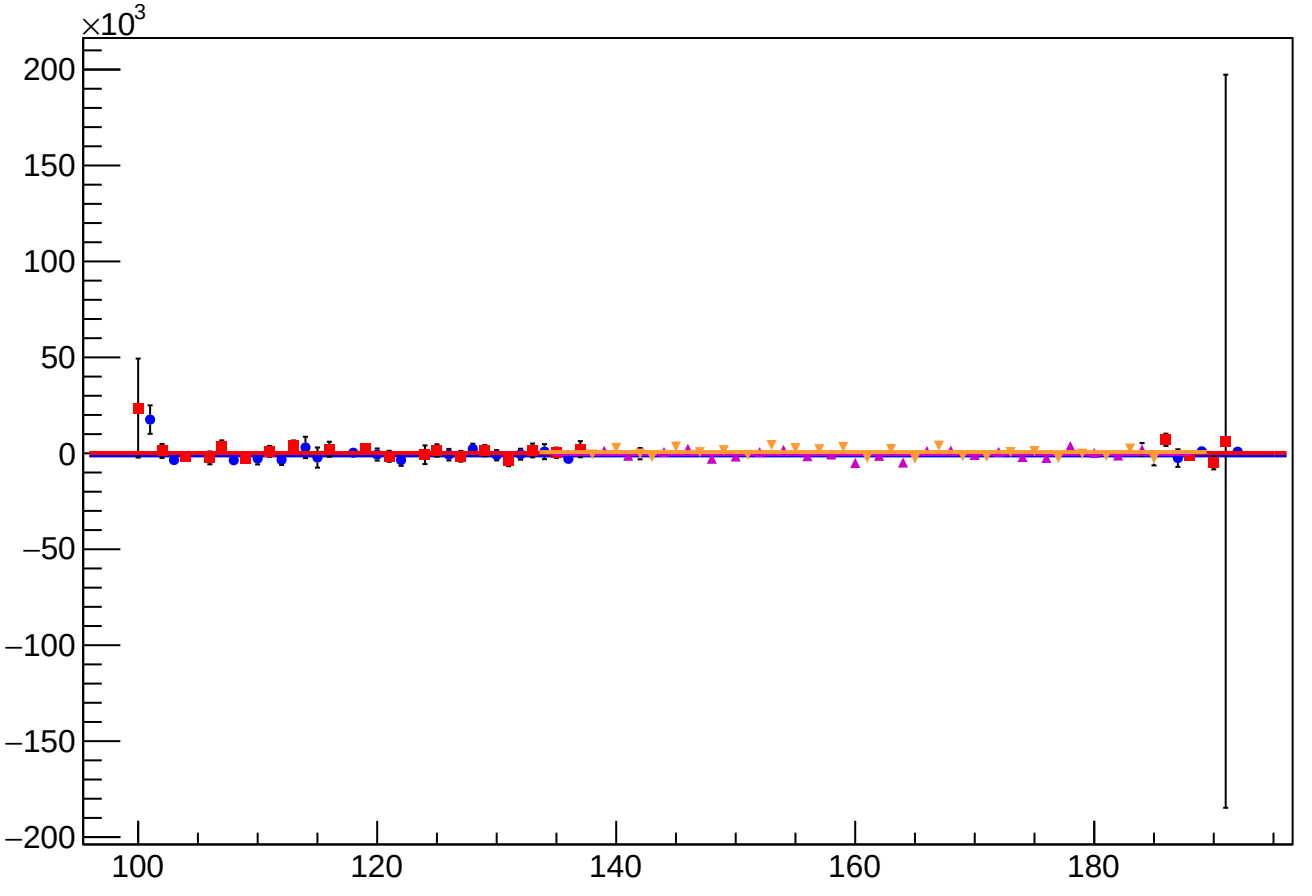
Right: 1016.700+/-960.682 χ^2/NDF: 41.1/41

In: 324.526+/-829.851 χ^2/NDF:30.1/41

Out: 63.477+/-788.555 χ^2/NDF:53.0/47

All: 187.345+/-571.634 χ^2/NDF: 83.2/89


asym_atr_dd_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
100
120
140
160
180
Right In: 4079.907+/-1.004 χ²/NDF: 1217272.7/18
Left Out: 4261.124+/-0.700 χ²/NDF:1190561.4/24
Right Out: 3794.140+/-0.922 χ²/NDF: 1828904.0/22
Left In: 4290.398+/-0.723 χ²/NDF:1213964.7/22
Left: 4275.289+/-0.503 χ²/NDF: 2405372.2/47
Right: 3924.842+/-0.679 χ²/NDF: 3090097.3/41
In: 4218.561+/-0.587 χ²/NDF:2460164.7/41
Out: 4090.395+/-0.558 χ²/NDF:3182147.3/47
All: 4151.210+/-0.404 χ²/NDF: 5667381.9/89



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: 175.352+/-644.993 χ^2/NDF: 18.0/22

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

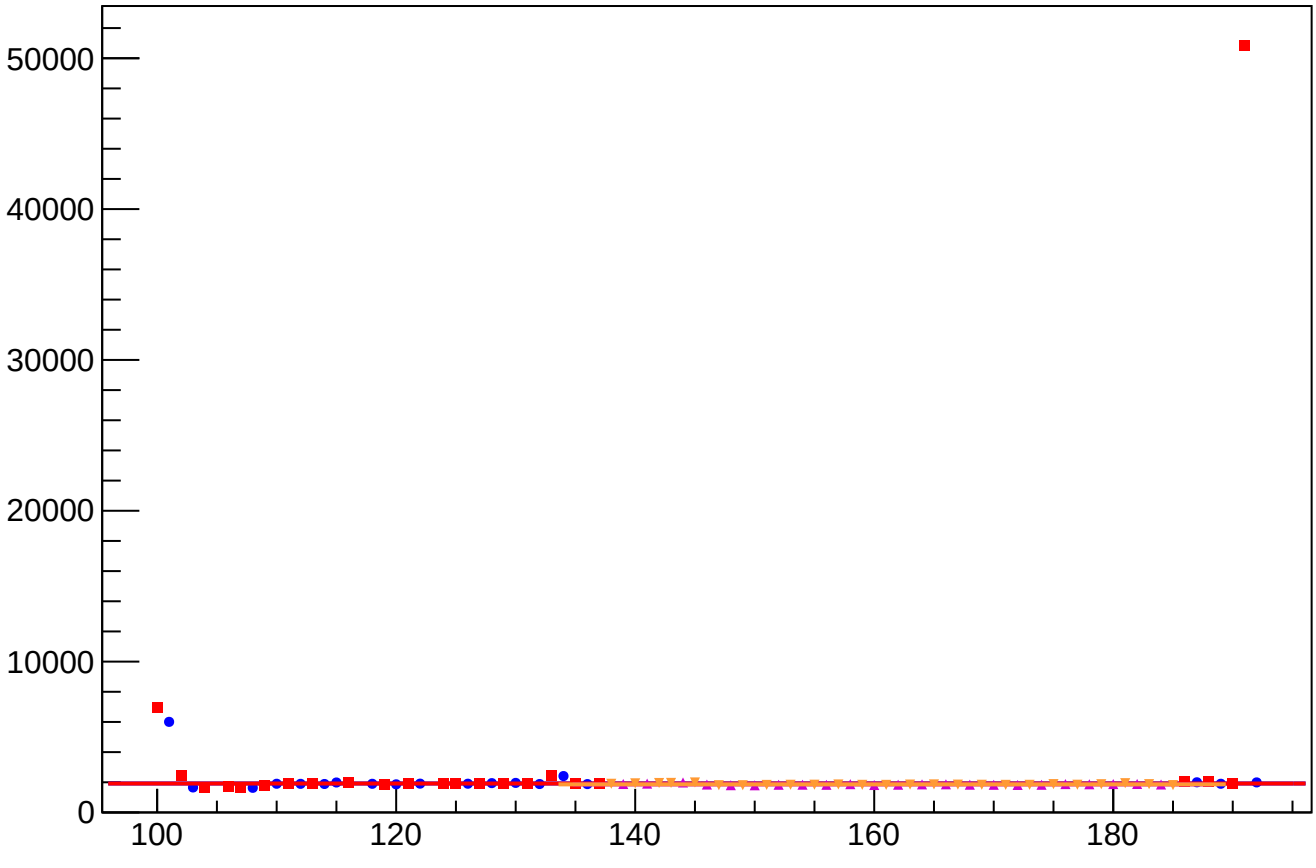
Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

Right: -442.717+/-459.899 χ^2/NDF: 35.4/41

In: -615.104+/-361.862 χ^2/NDF:39.9/41

Out: 512.549+/-353.755 χ^2/NDF:45.5/47

All: -38.503+/-252.960 χ^2/NDF: 90.3/89



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: 1918.264+/-0.456 χ^2/NDF: 377076.1/22

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

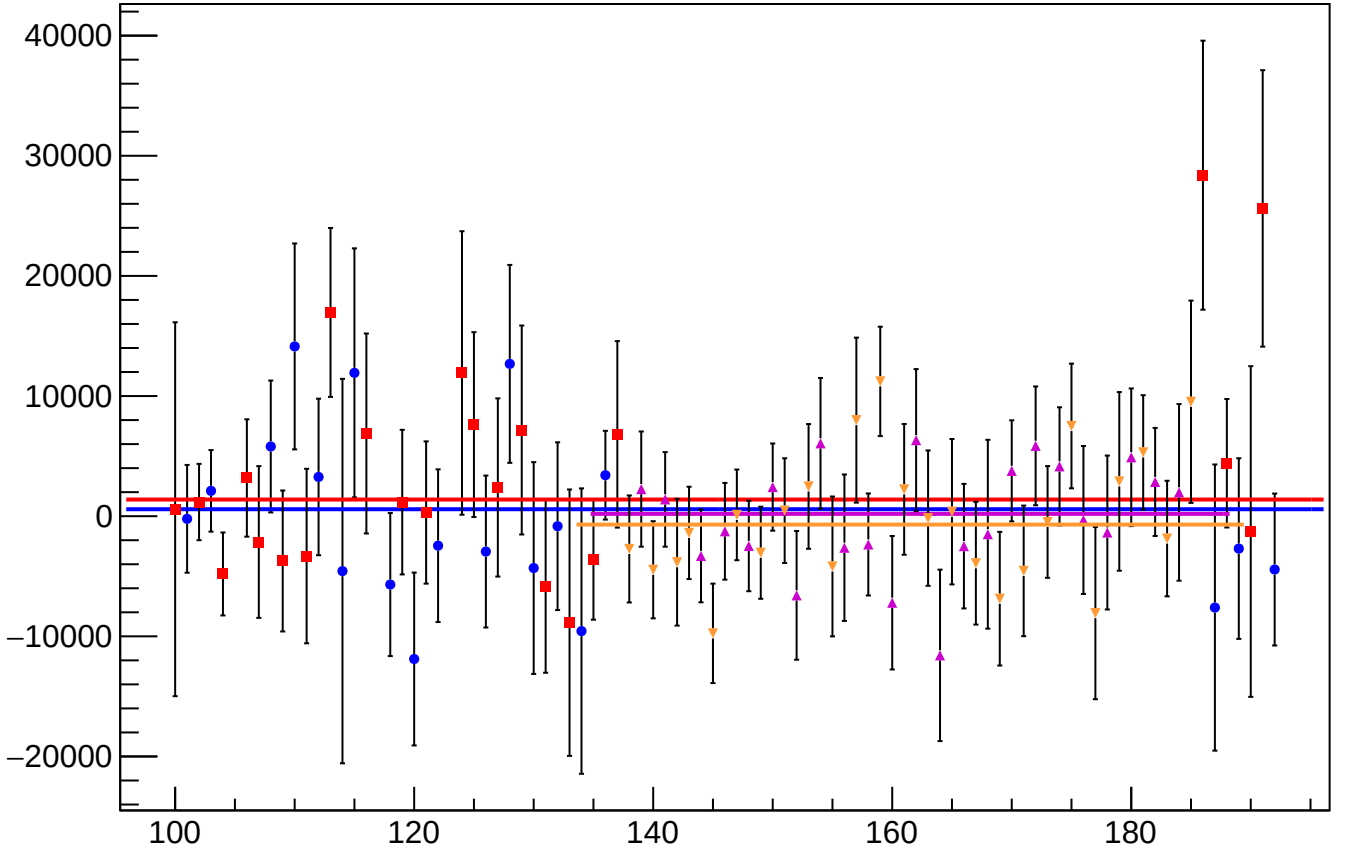
Right: 1920.025+/-0.325 χ^2/NDF: 1076750.2/41

In: 1877.196+/-0.256 χ^2/NDF:729347.4/41

Out: 1878.758+/-0.250 χ^2/NDF:413847.2/47

All: 1877.995+/-0.179 χ^2/NDF: 1143213.6/89

asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 1385.310+/-1304.153 χ^2/NDF: 26.1/22

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

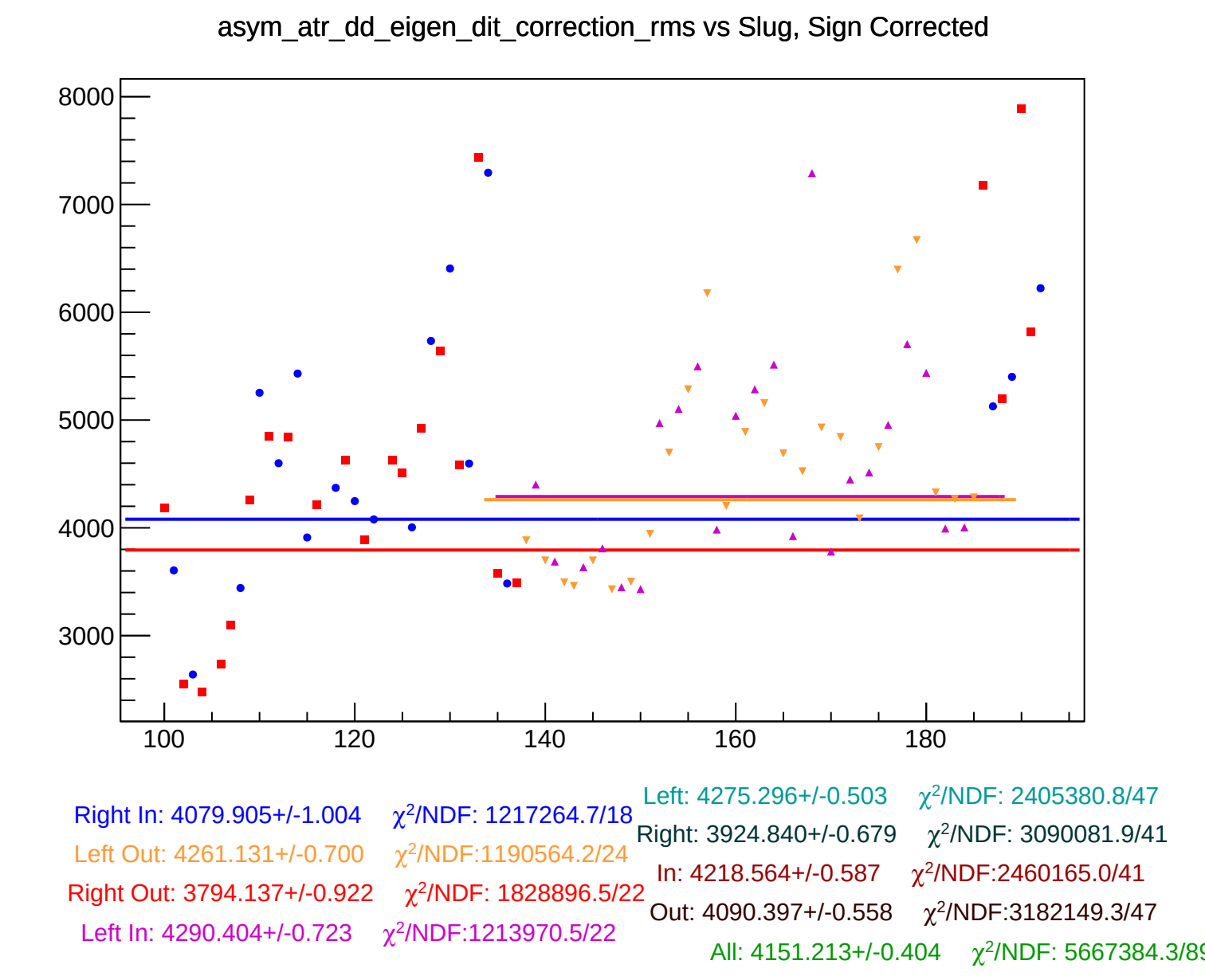
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

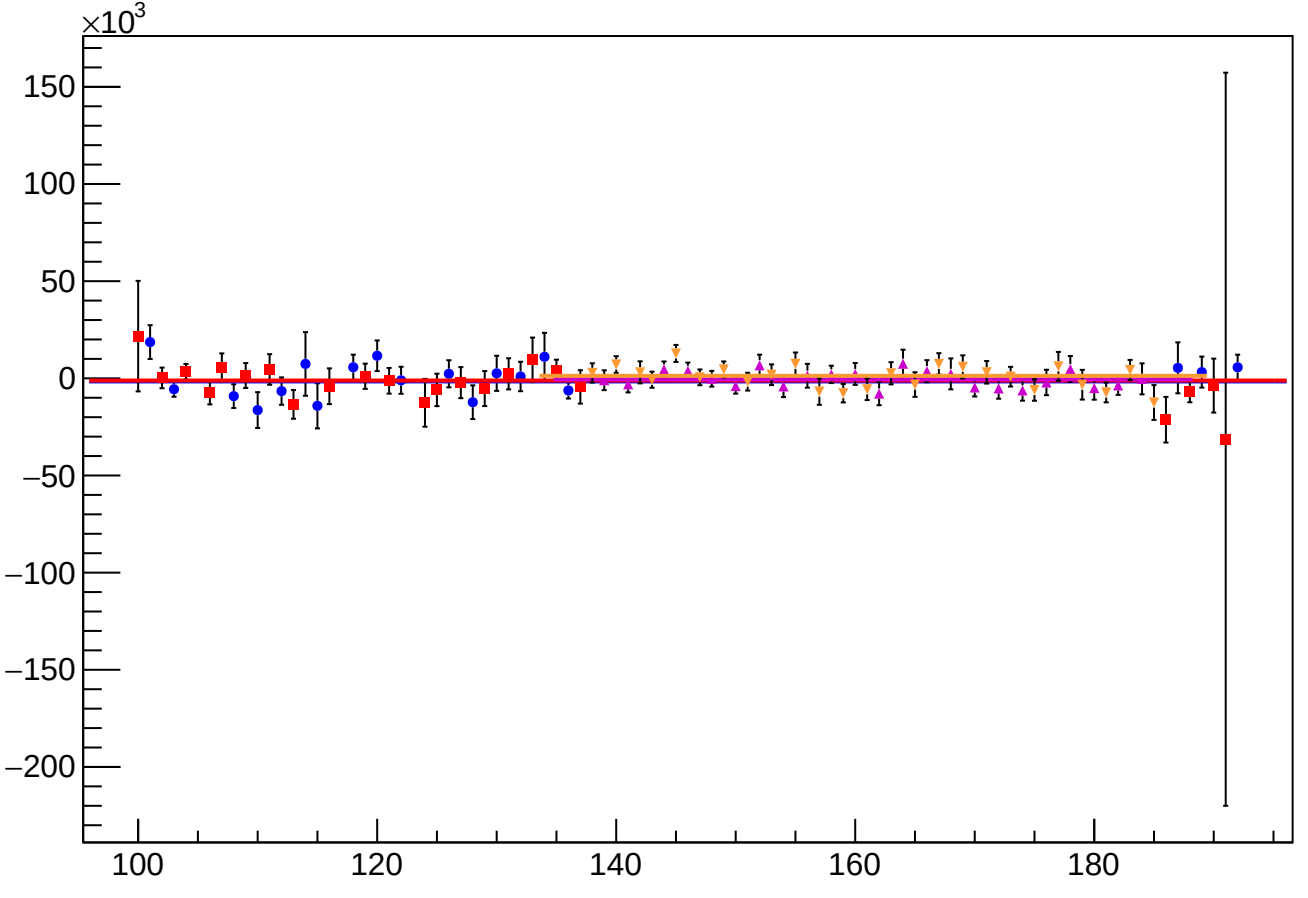
Right: 1016.694+/-960.681 χ^2/NDF: 41.1/41

In: 324.524+/-829.852 χ^2/NDF:30.1/41

Out: 63.479+/-788.556 χ^2/NDF:53.0/47

All: 187.345+/-571.635 χ^2/NDF: 83.2/89


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: 3794.137+/-0.922 χ²/NDF: 1828896.5/22
Left In: 4290.404+/-0.723 χ²/NDF:1213970.5/22
Left: 4275.296+/-0.503 χ²/NDF: 2405380.8/47
Right: 3924.840+/-0.679 χ²/NDF: 3090081.9/41
In: 4218.564+/-0.587 χ²/NDF:2460165.0/41
Out: 4090.397+/-0.558 χ²/NDF:3182149.3/47
All: 4151.213+/-0.404 χ²/NDF: 5667384.3/89



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: -1127.151+/-1537.983 χ^2/NDF: 14.9/22

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

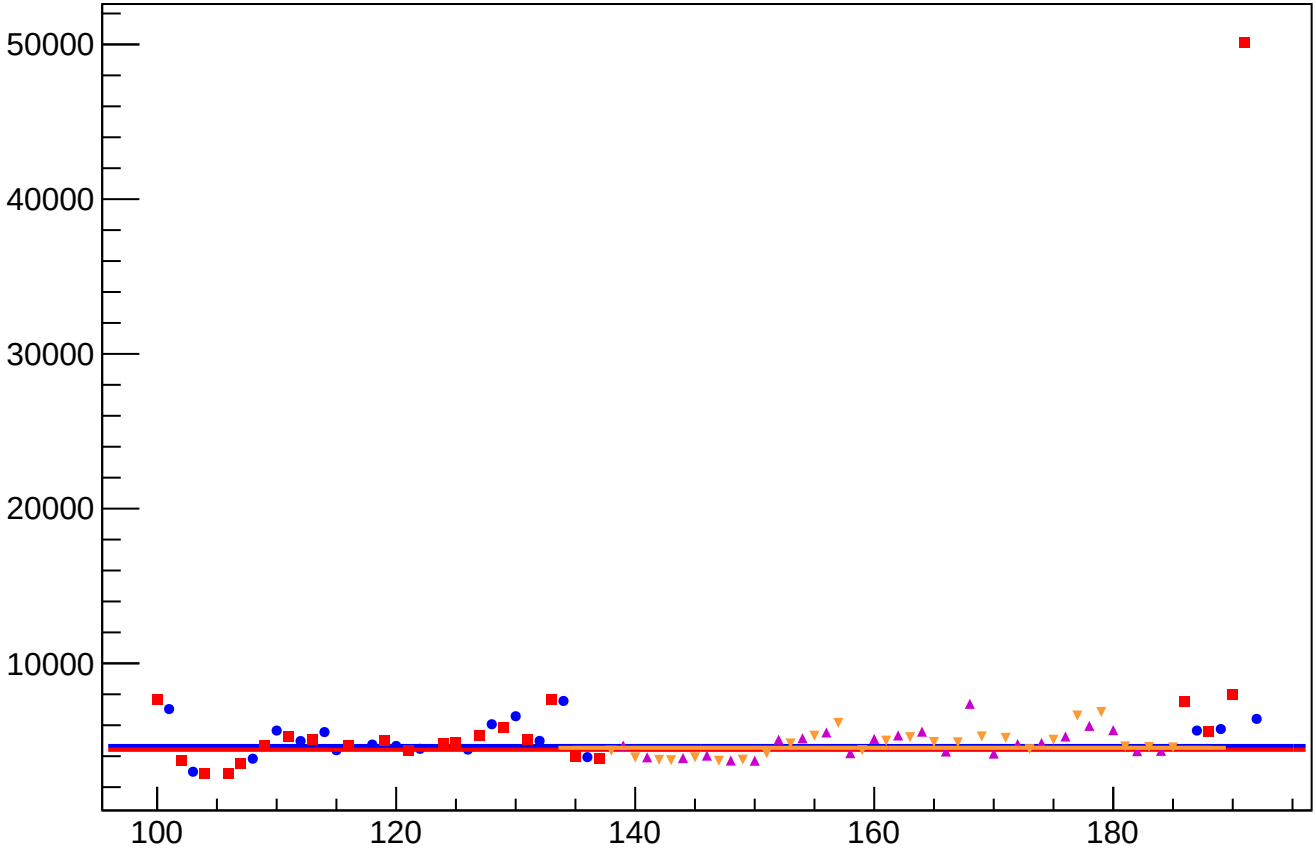
Right: -1350.927+/-1113.854 χ^2/NDF: 38.0/41

In: -892.818+/-899.033 χ^2/NDF:37.7/41

Out: 527.705+/-866.927 χ^2/NDF:45.1/47

All: -156.739+/-624.052 χ^2/NDF: 84.1/89

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: 4409.597+/-1.080 χ^2/NDF: 1362480.3/22

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

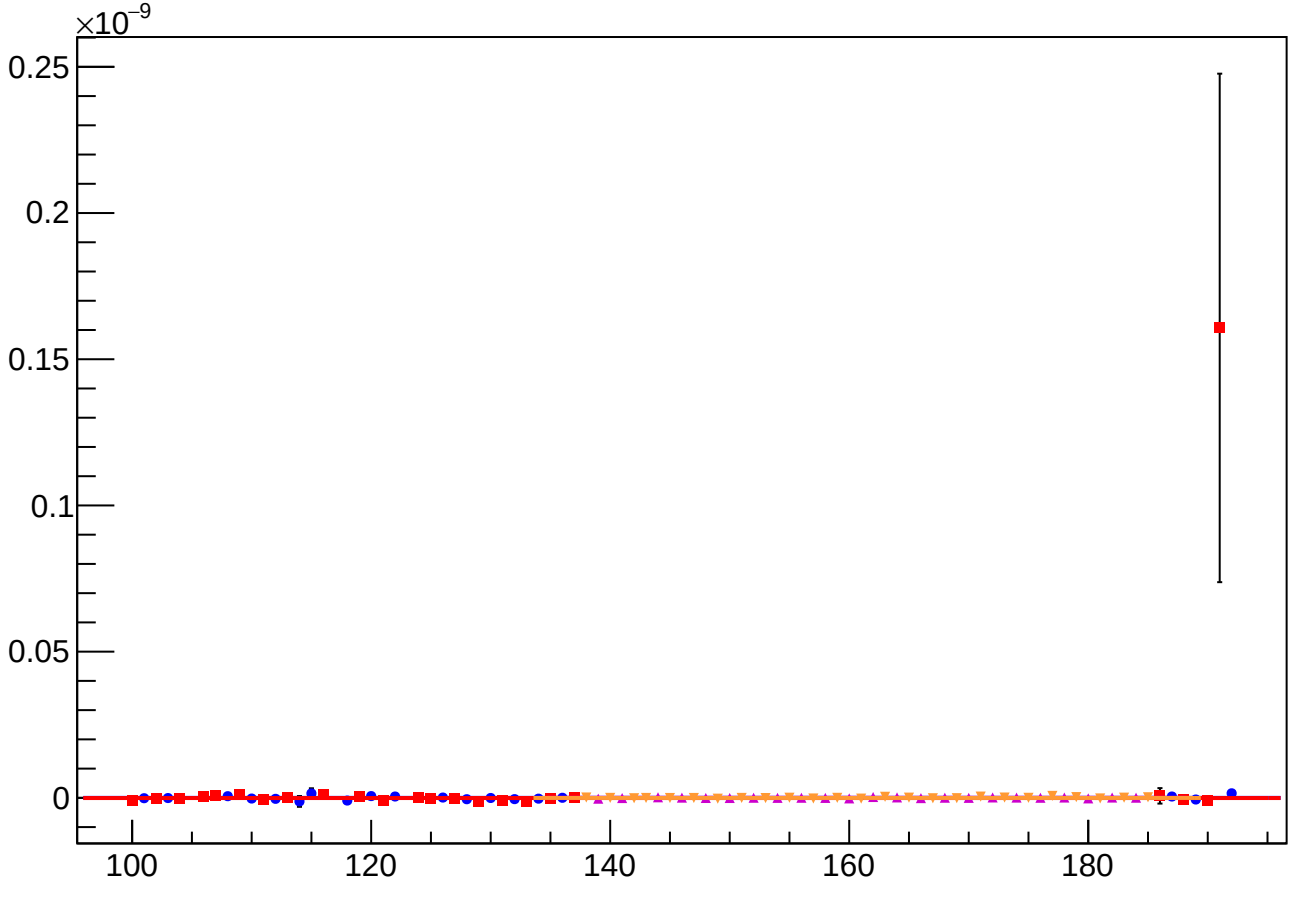
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 4528.541+/-0.785 χ^2/NDF: 2497404.9/41

In: 4591.851+/-0.636 χ^2/NDF:2094813.1/41

Out: 4496.746+/-0.612 χ^2/NDF:2364982.9/47

All: 4542.458+/-0.441 χ^2/NDF: 4471419.7/89



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: 27.2/22

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

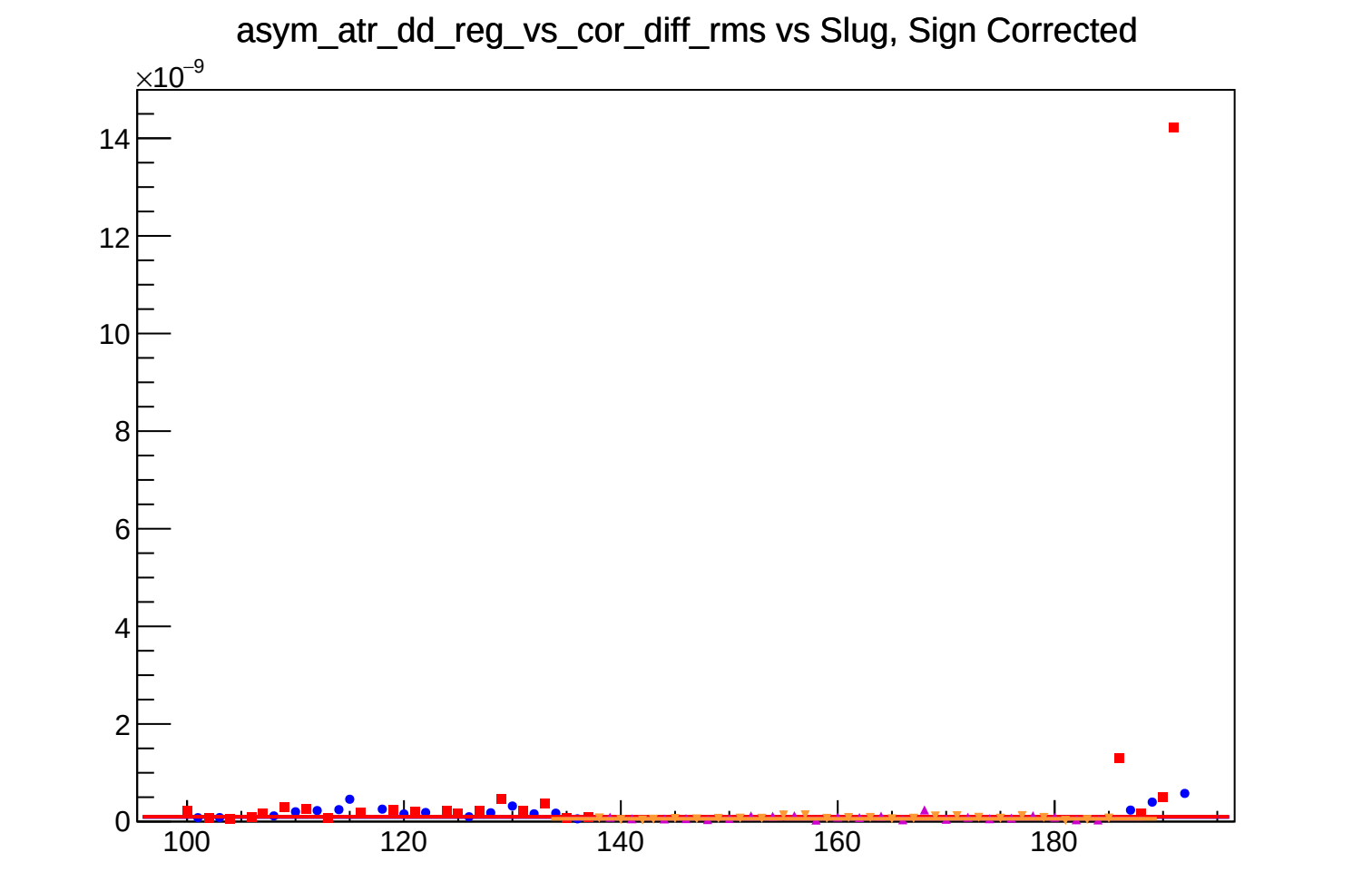
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

Right: -0.000+/-0.000 χ^2/NDF: 44.2/41

In: 0.000+/-0.000 χ^2/NDF:37.4/41

Out: -0.000+/-0.000 χ^2/NDF:65.3/47

All: -0.000+/-0.000 χ^2/NDF: 104.6/89



Right In: 0.000+/-0.000 χ^2/NDF: 2157323.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2498312.3/22

Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4039734.3/47

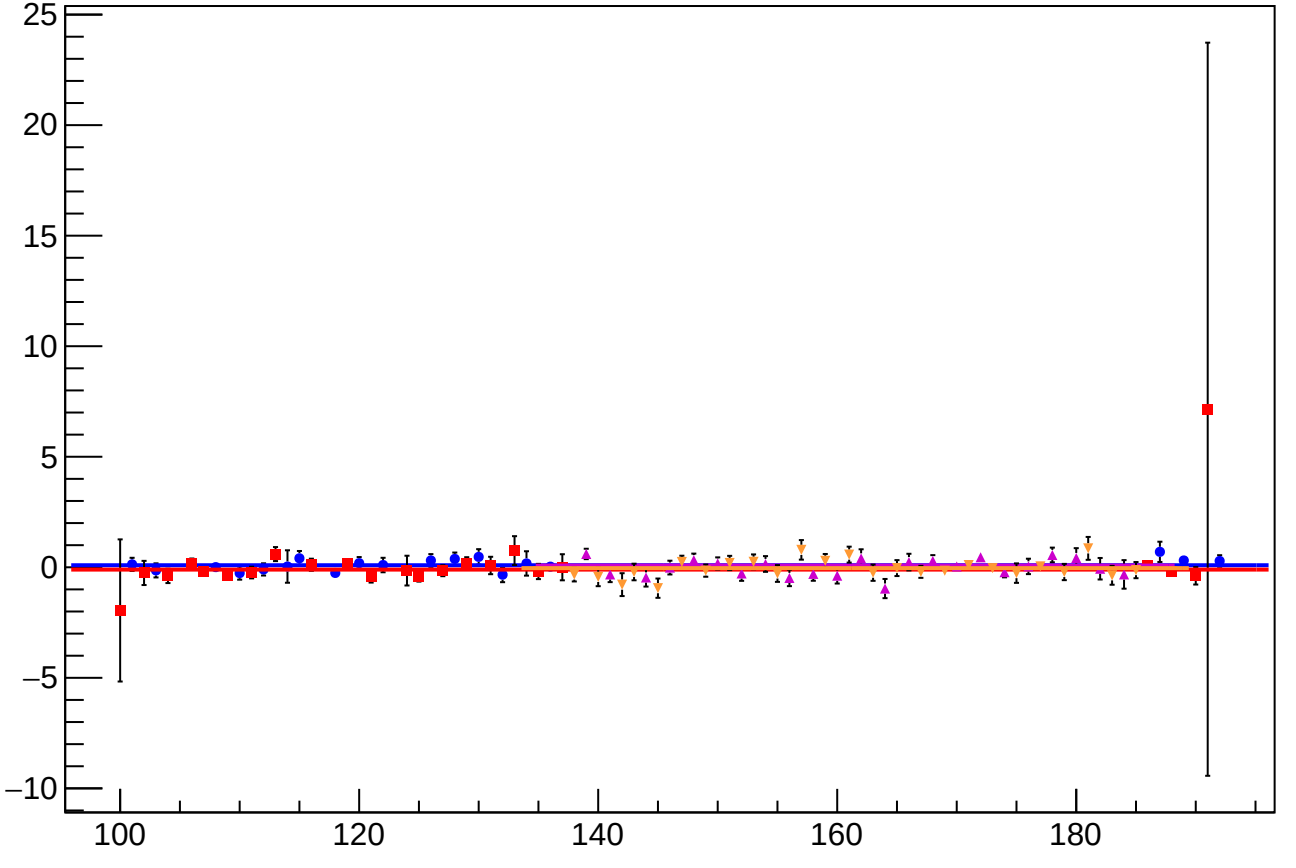
Right: 0.000+/-0.000 χ^2/NDF: 4664004.4/41

In: 0.000+/-0.000 χ^2/NDF:4810582.5/41

Out: 0.000+/-0.000 χ^2/NDF:5108002.9/47

All: 0.000+/-0.000 χ^2/NDF: 9920558.1/89

asym_atr_dd_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: -0.104+/-0.058 χ^2/NDF: 19.4/22

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

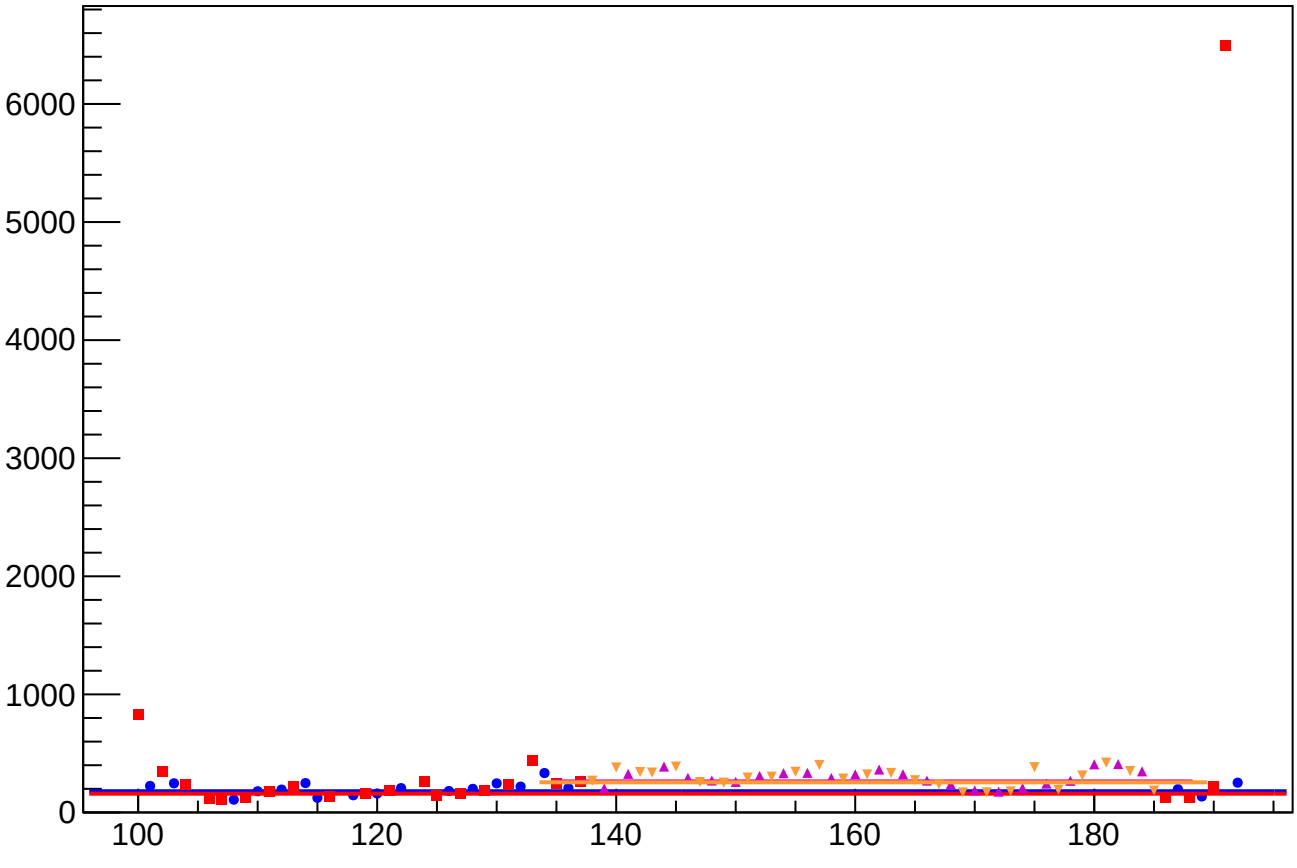
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.016+/-0.043 χ^2/NDF: 39.3/41

In: 0.085+/-0.045 χ^2/NDF:45.8/41

Out: -0.074+/-0.042 χ^2/NDF:44.4/47

All: -0.000+/-0.031 χ^2/NDF: 96.8/89



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: 159.026+/-0.041 χ^2/NDF: 1942644.0/22

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

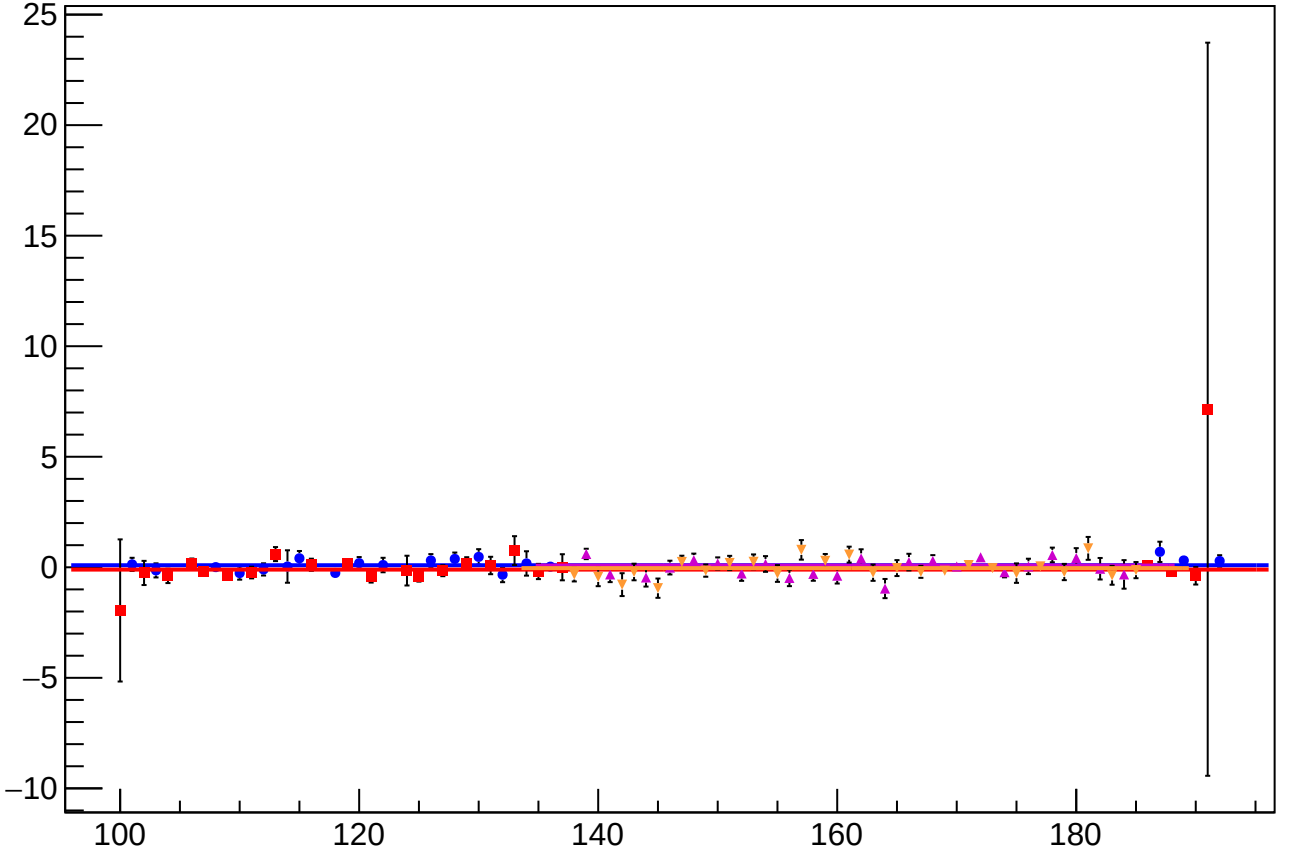
Right: 168.292+/-0.030 χ^2/NDF: 3236814.4/41

In: 220.465+/-0.032 χ^2/NDF:4875382.8/41

Out: 203.650+/-0.030 χ^2/NDF:7475848.9/47

All: 211.422+/-0.022 χ^2/NDF: 12498368.3/89

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: -0.104+/-0.058 χ^2/NDF: 19.4/22

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

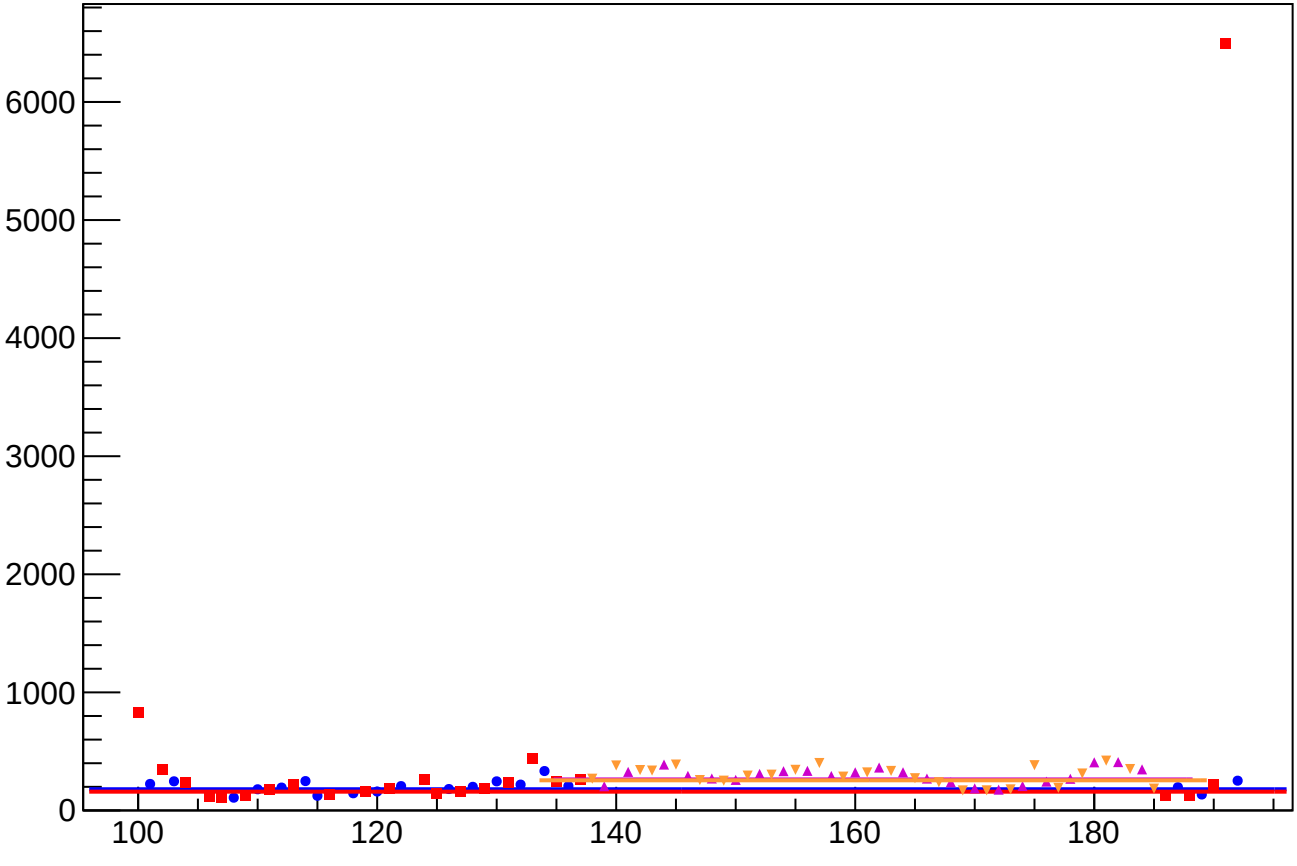
Right: -0.016+/-0.043 χ^2/NDF: 39.3/41

In: 0.085+/-0.045 χ^2/NDF:45.8/41

Out: -0.074+/-0.042 χ^2/NDF:44.4/47

All: -0.000+/-0.031 χ^2/NDF: 96.8/89

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: 159.026+/-0.041 χ^2/NDF: 1942644.0/22

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

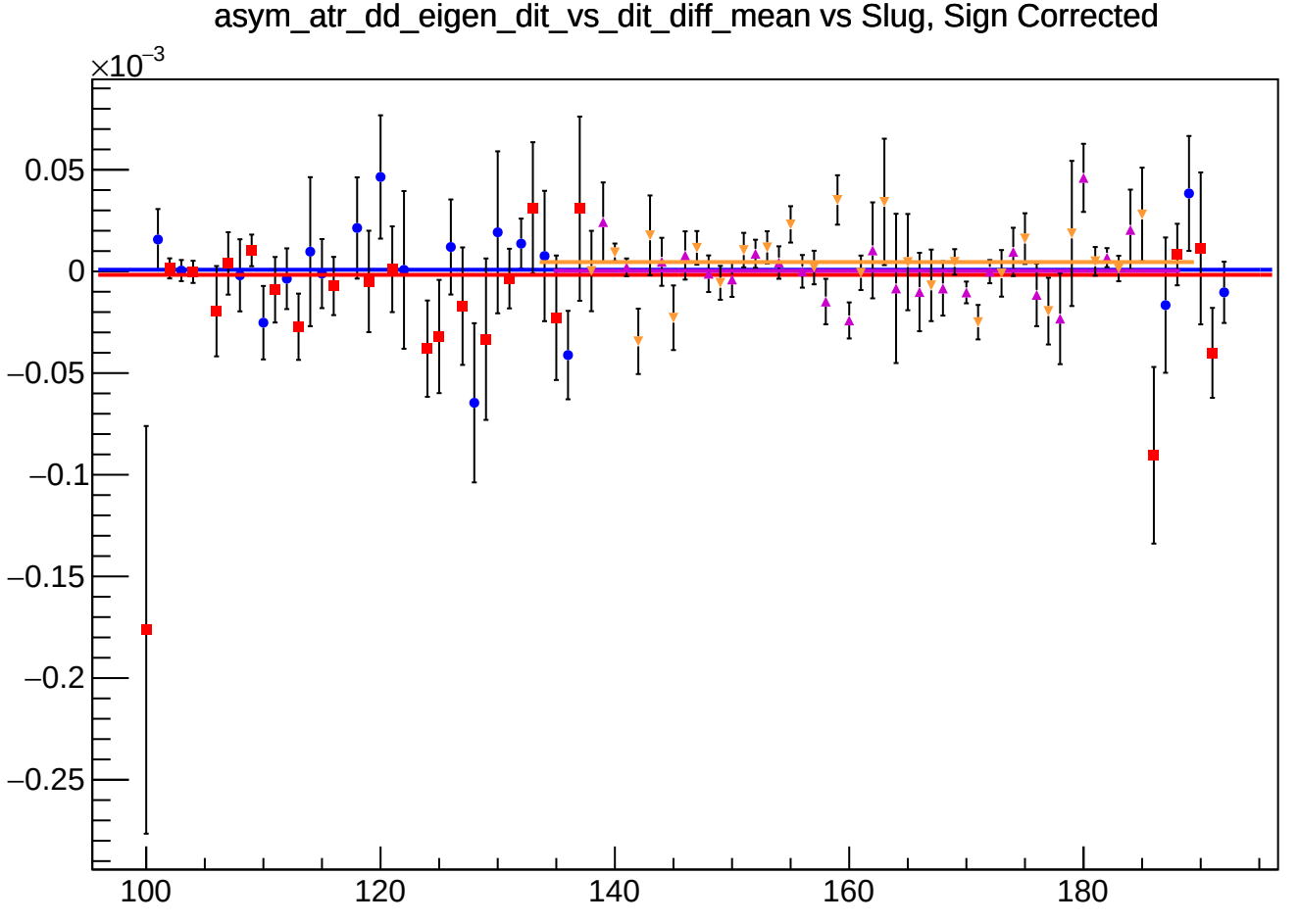
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 168.292+/-0.030 χ^2/NDF: 3236814.4/41

In: 220.465+/-0.032 χ^2/NDF:4875382.8/41

Out: 203.650+/-0.030 χ^2/NDF:7475848.9/47

All: 211.422+/-0.022 χ^2/NDF: 12498368.3/89



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: 23.8/22

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

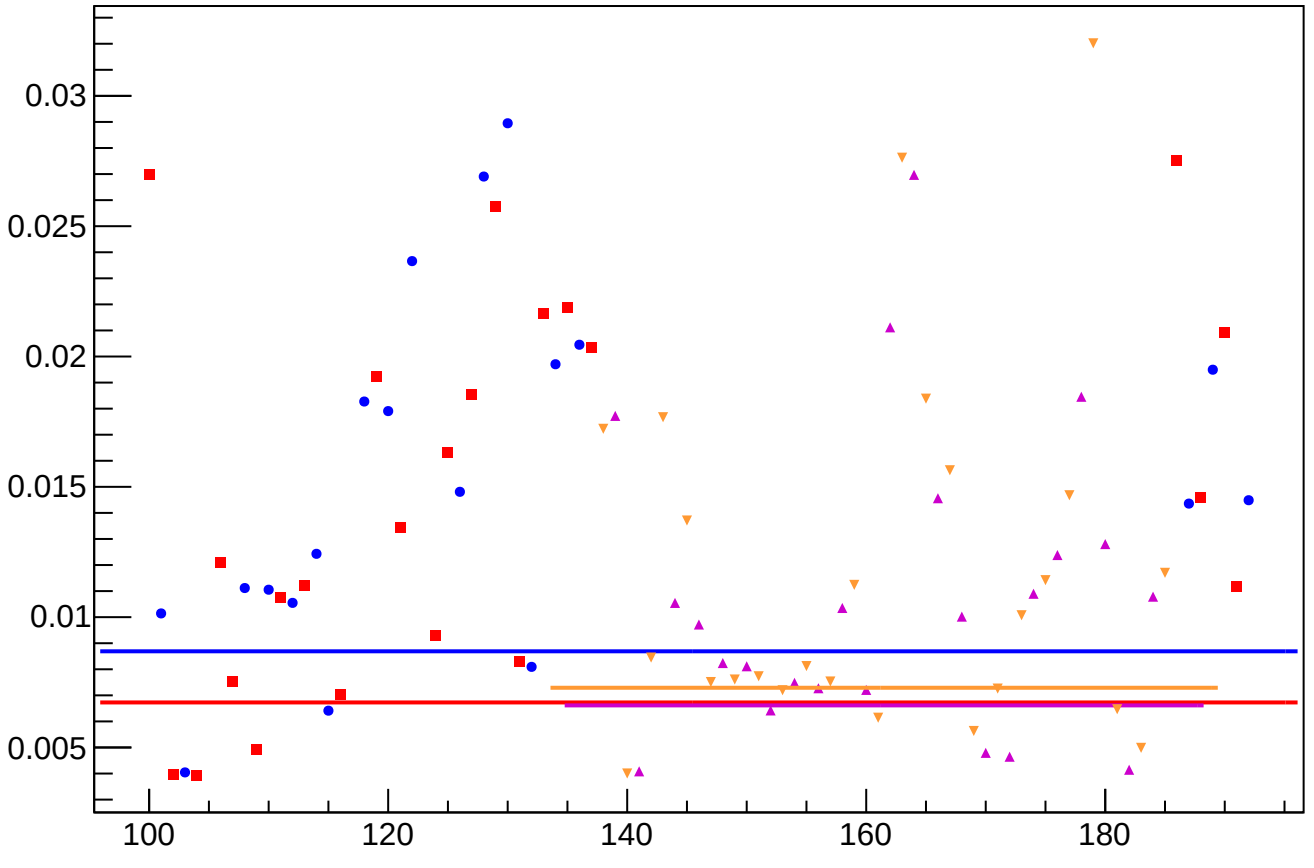
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: -0.000+/-0.000 χ^2/NDF: 41.0/41

In: 0.000+/-0.000 χ^2/NDF:48.1/41

Out: 0.000+/-0.000 χ^2/NDF:70.7/47

All: 0.000+/-0.000 χ^2/NDF: 119.8/89



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: 5996788.8/22

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

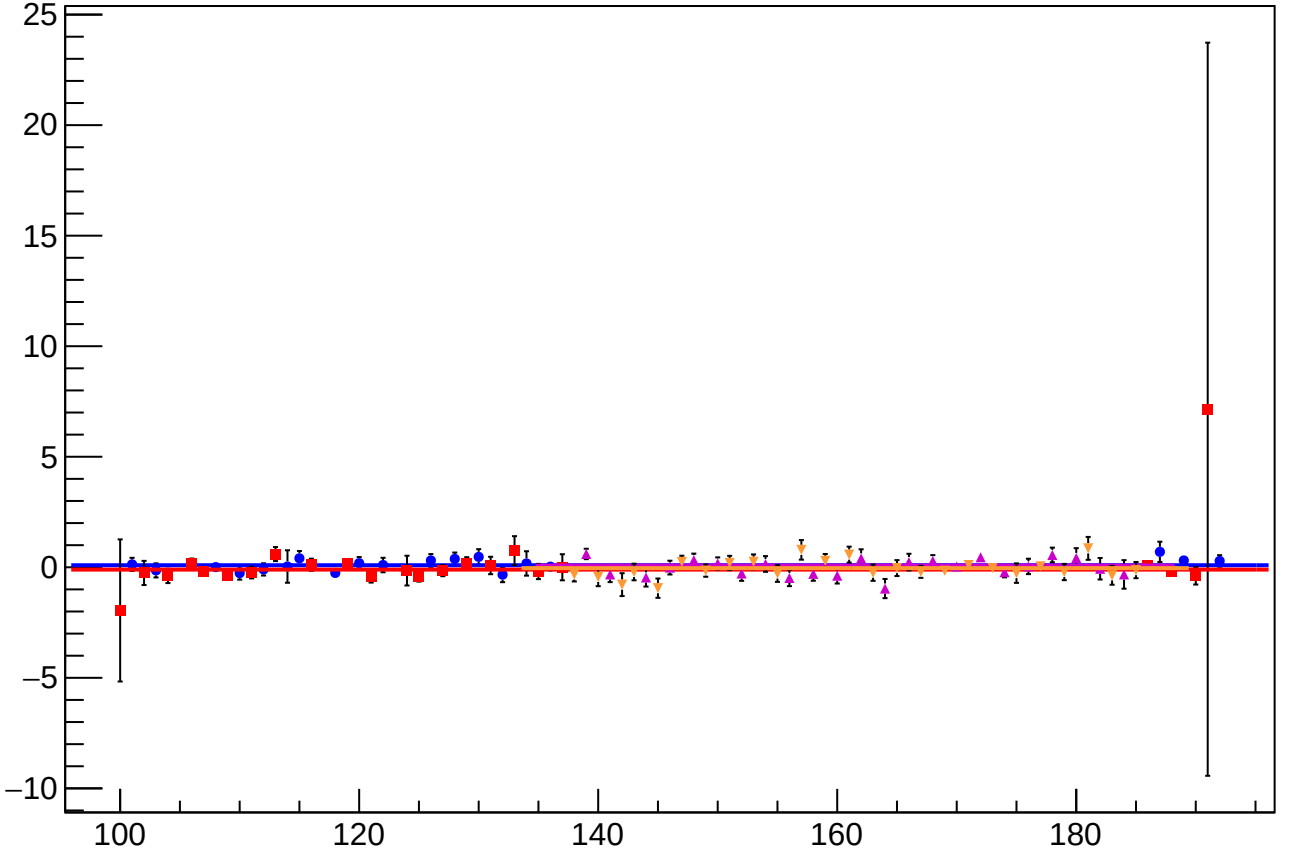
Right: 0.007+/-0.000 χ^2/NDF: 11493398.8/41

In: 0.007+/-0.000 χ^2/NDF:12066823.5/41

Out: 0.007+/-0.000 χ^2/NDF:12826515.5/47

All: 0.007+/-0.000 χ^2/NDF: 24895548.7/89

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: -0.104+/-0.058 χ^2/NDF: 19.4/22

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

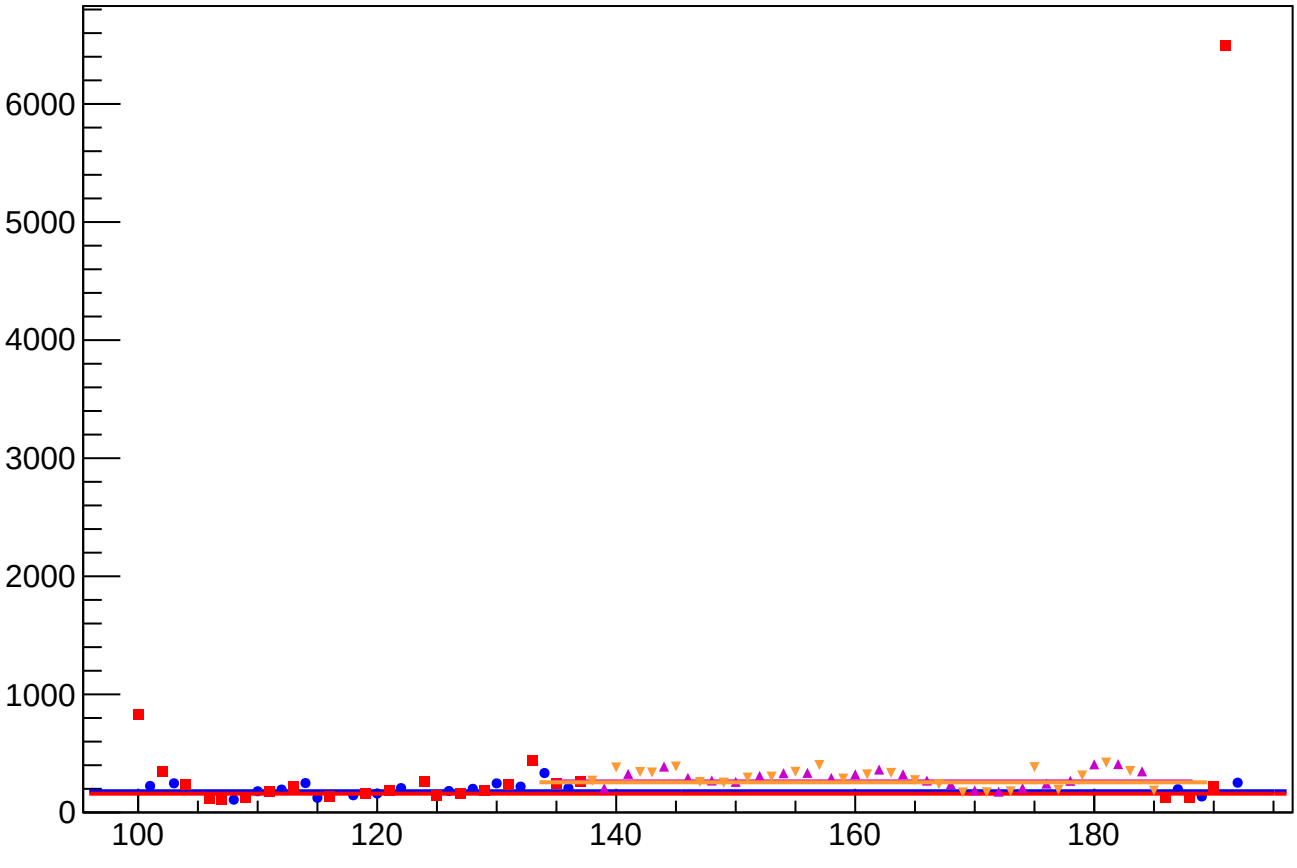
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.016+/-0.043 χ^2/NDF: 39.3/41

In: 0.085+/-0.045 χ^2/NDF:45.8/41

Out: -0.074+/-0.042 χ^2/NDF:44.4/47

All: -0.000+/-0.031 χ^2/NDF: 96.8/89



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: 159.027+/-0.041 χ^2/NDF: 1942577.5/22

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

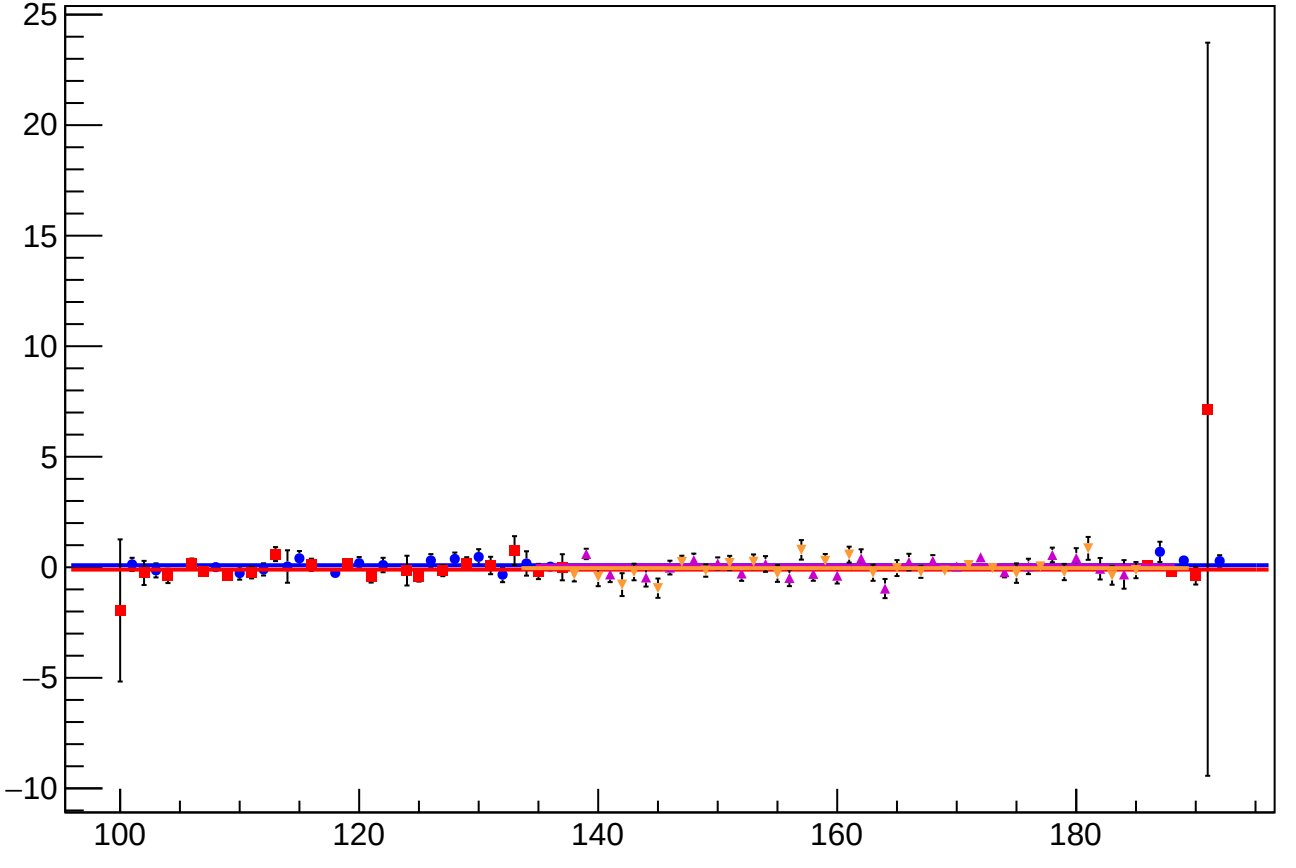
Right: 168.292+/-0.030 χ^2/NDF: 3236697.1/41

In: 220.465+/-0.032 χ^2/NDF:4875497.9/41

Out: 203.652+/-0.030 χ^2/NDF:7475883.2/47

All: 211.423+/-0.022 χ^2/NDF: 12498497.7/89

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: -0.104+/-0.058 χ^2/NDF: 19.4/22

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

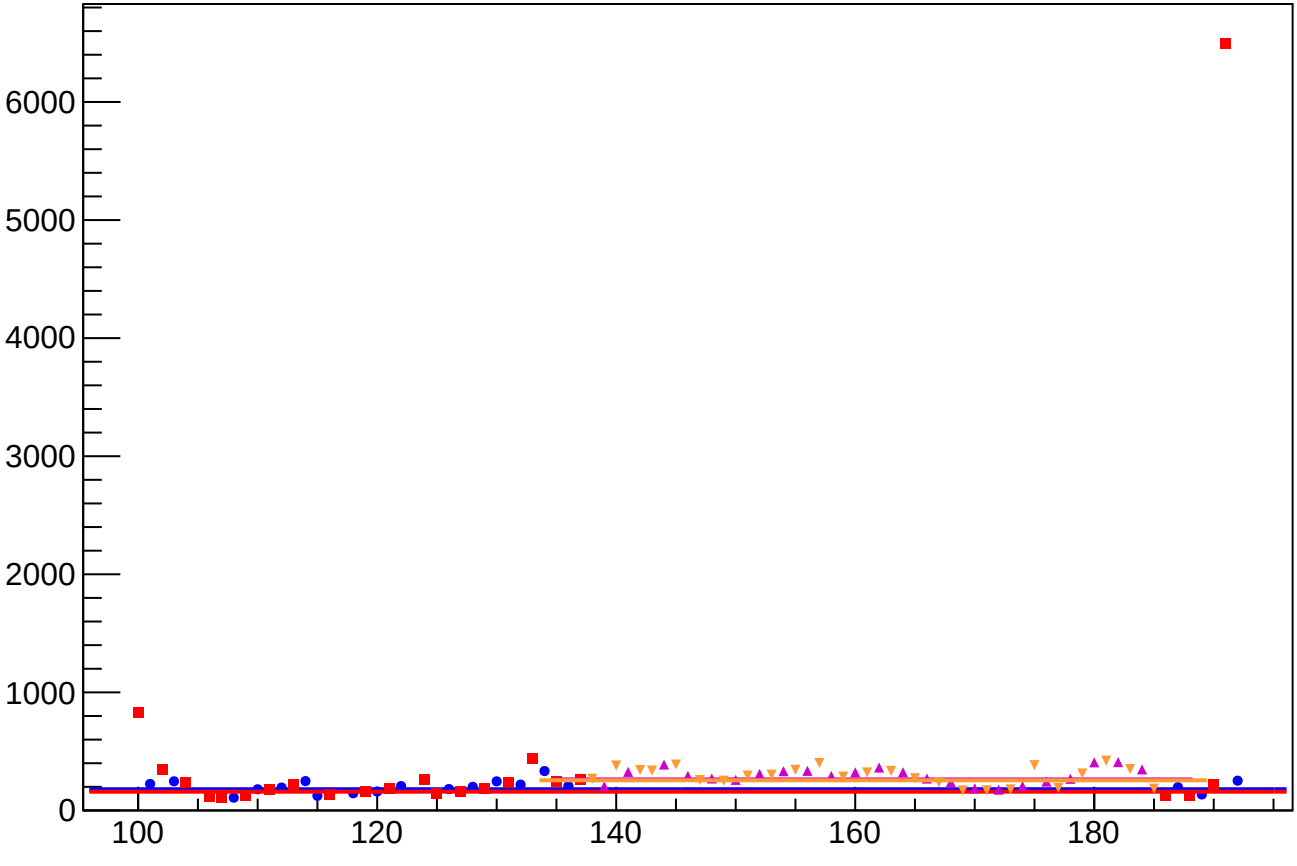
Right: -0.016+/-0.043 χ^2/NDF: 39.3/41

In: 0.085+/-0.045 χ^2/NDF:45.8/41

Out: -0.074+/-0.042 χ^2/NDF:44.4/47

All: -0.000+/-0.031 χ^2/NDF: 96.8/89

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: 159.027+/-0.041 χ^2/NDF: 1942577.5/22

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

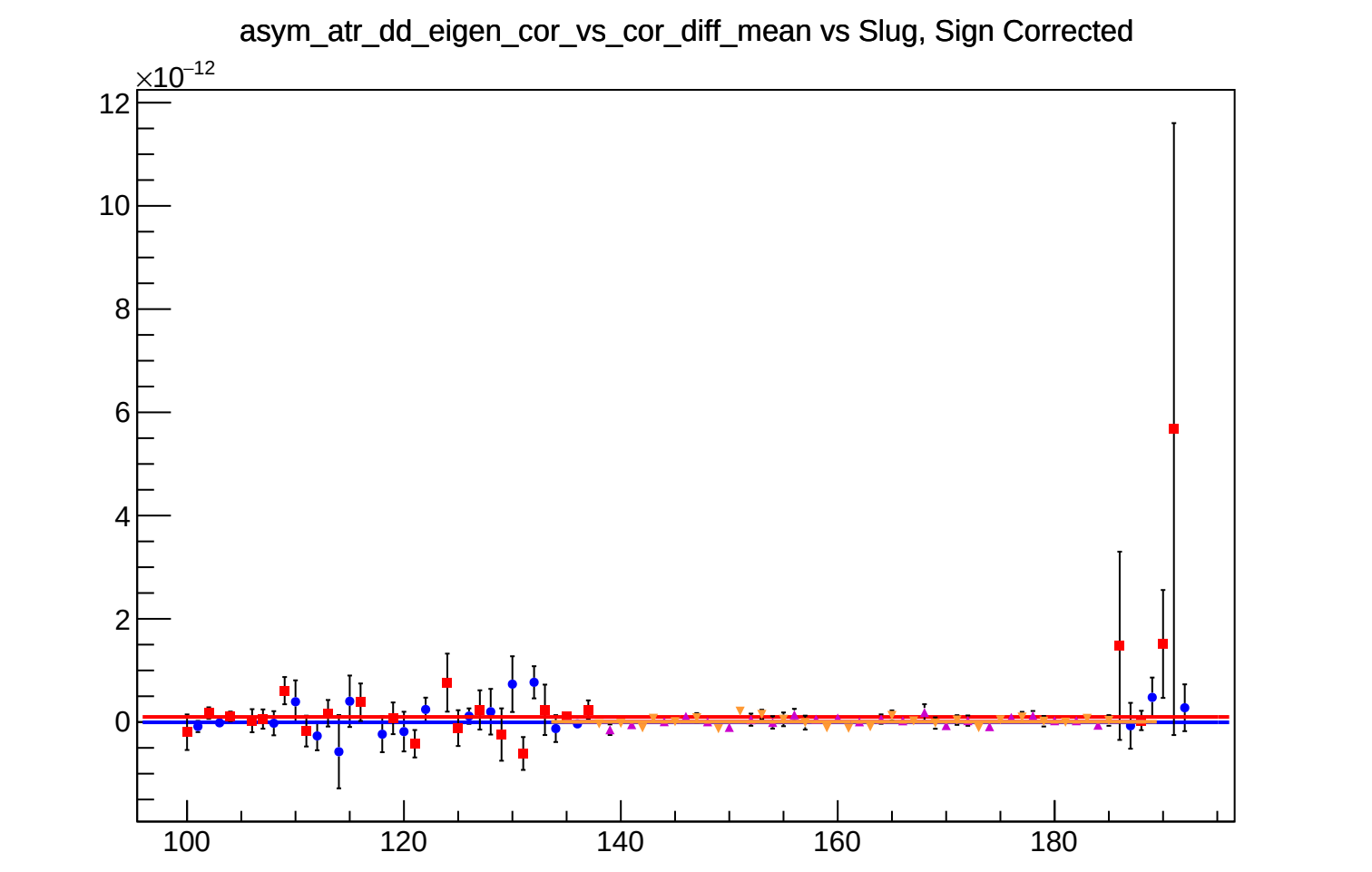
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 168.292+/-0.030 χ^2/NDF: 3236697.1/41

In: 220.465+/-0.032 χ^2/NDF:4875497.9/41

Out: 203.652+/-0.030 χ^2/NDF:7475883.2/47

All: 211.423+/-0.022 χ^2/NDF: 12498497.7/89



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/22

Left In: 0.000+/-0.000 χ^2/NDF:21.2/22

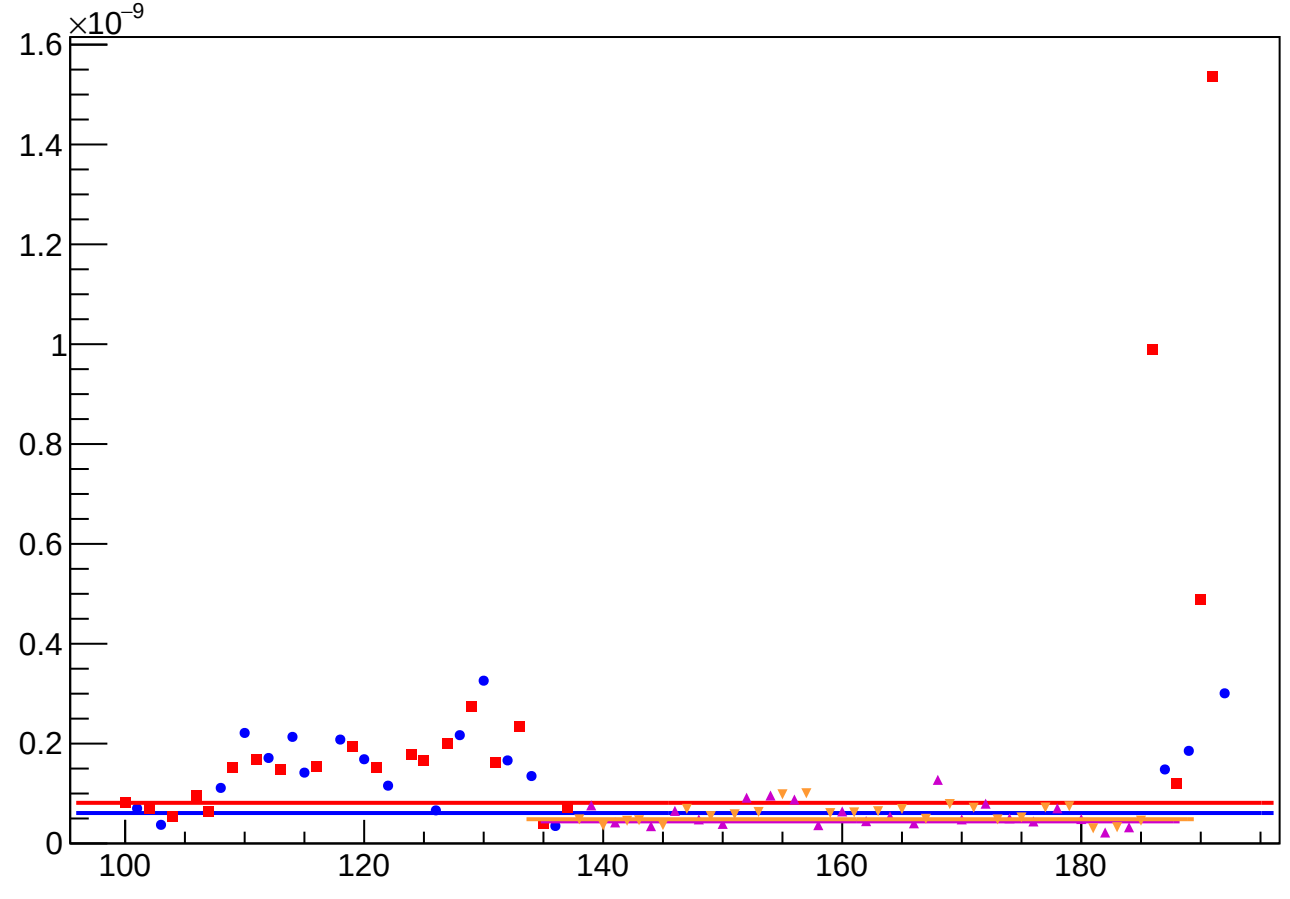
Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

Right: 0.000+/-0.000 χ^2/NDF: 42.7/41

In: 0.000+/-0.000 χ^2/NDF:38.4/41

Out: 0.000+/-0.000 χ^2/NDF:57.0/47

All: 0.000+/-0.000 χ^2/NDF: 95.7/89



Right In: 0.000+/-0.000 χ^2/NDF: 4184590.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3751520.8/22

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

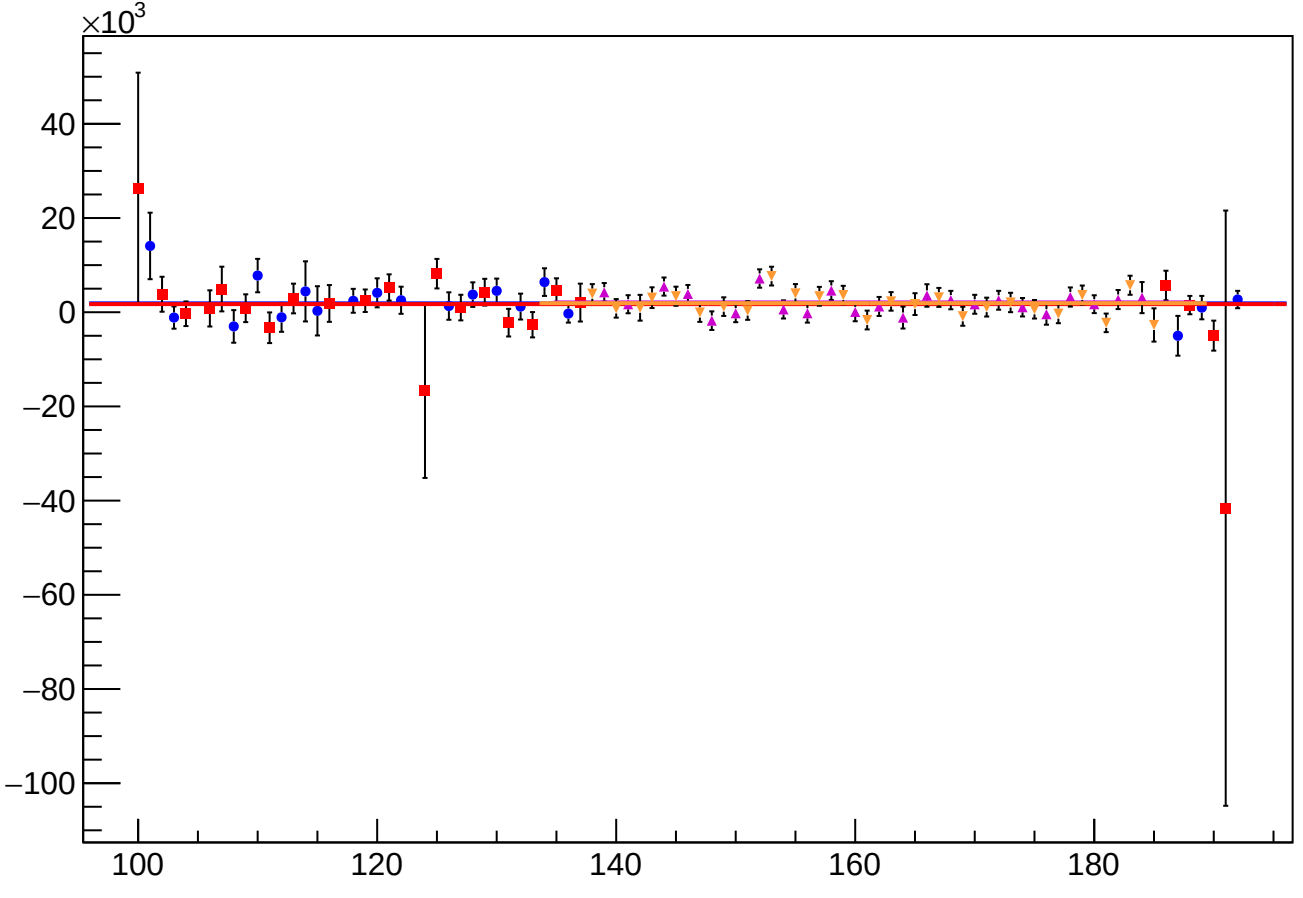
Right: 0.000+/-0.000 χ^2/NDF: 8223776.4/41

In: 0.000+/-0.000 χ^2/NDF:8206395.4/41

Out: 0.000+/-0.000 χ^2/NDF:7386863.7/47

All: 0.000+/-0.000 χ^2/NDF: 15774396.6/89

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: 1721.231+/-658.513 χ^2/NDF: 25.0/22

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

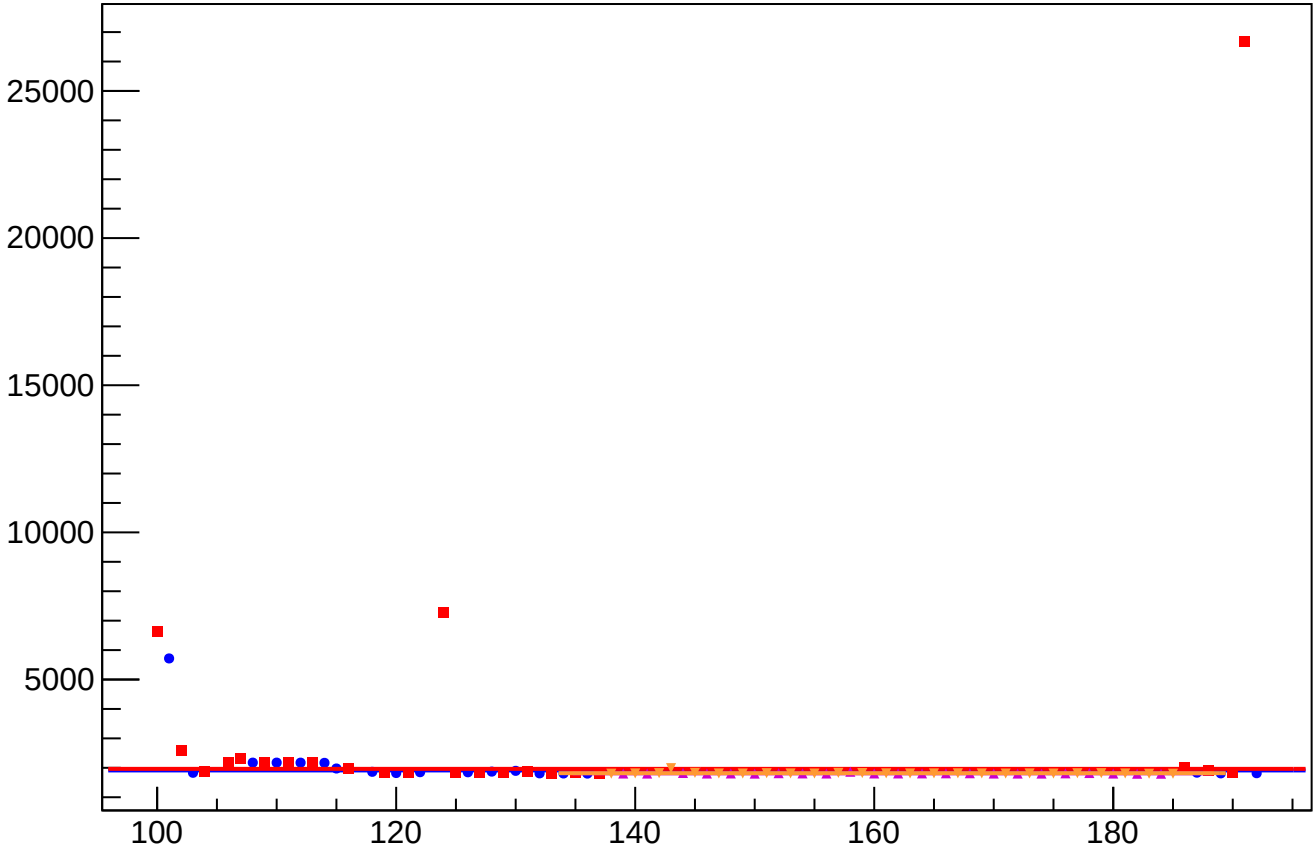
Right: 1802.088+/-463.089 χ^2/NDF: 44.5/41

In: 2016.914+/-354.876 χ^2/NDF:46.1/41

Out: 1864.351+/-349.830 χ^2/NDF:57.6/47

All: 1939.540+/-249.132 χ^2/NDF: 103.8/89

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: 1964.178+/-0.466 χ^2/NDF: 692049.1/22

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

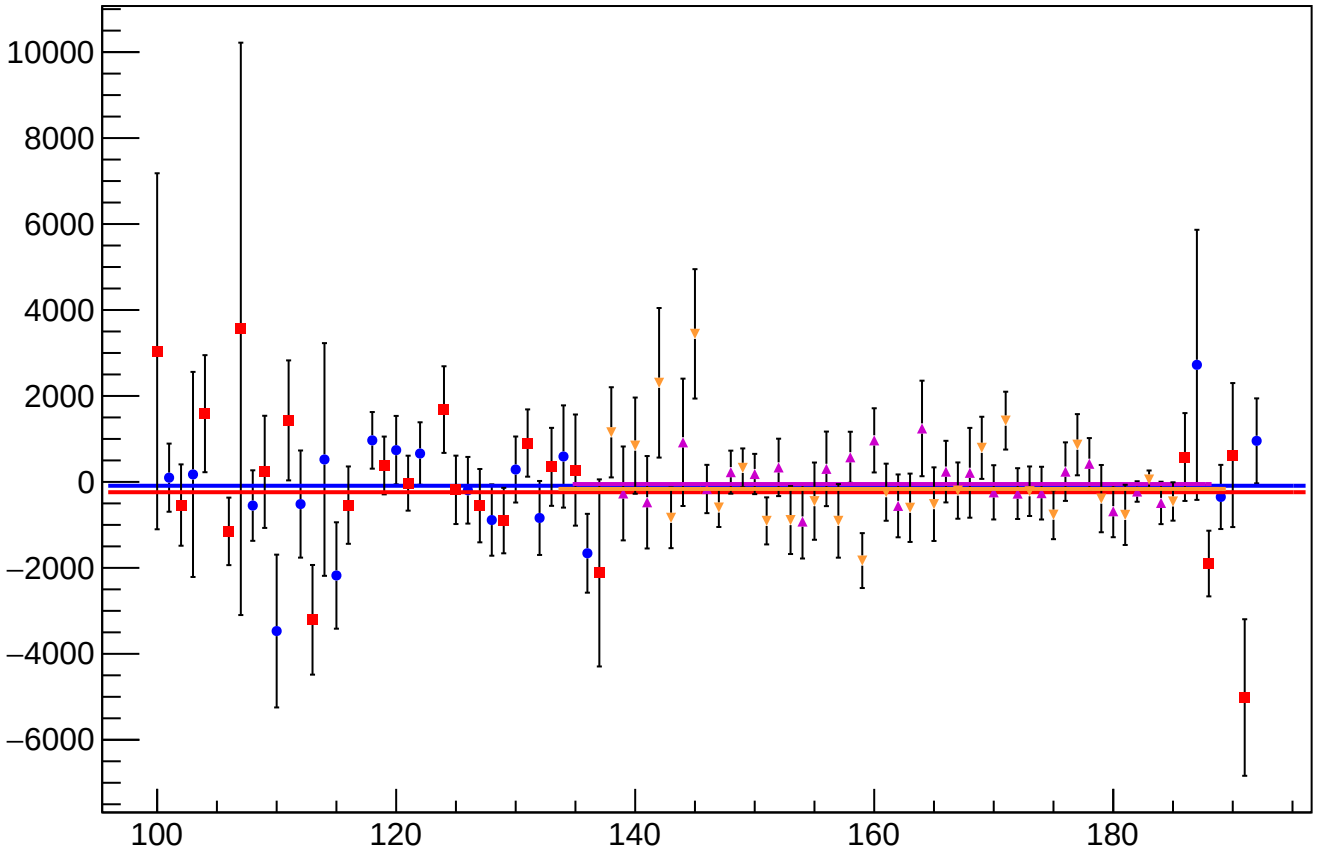
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1937.396+/-0.327 χ^2/NDF: 1348270.2/41

In: 1841.827+/-0.251 χ^2/NDF:683945.7/41

Out: 1858.913+/-0.247 χ^2/NDF:776204.8/47

All: 1850.492+/-0.176 χ^2/NDF: 1462501.7/89



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: -239.663+/-205.776 χ^2/NDF: 32.8/22

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

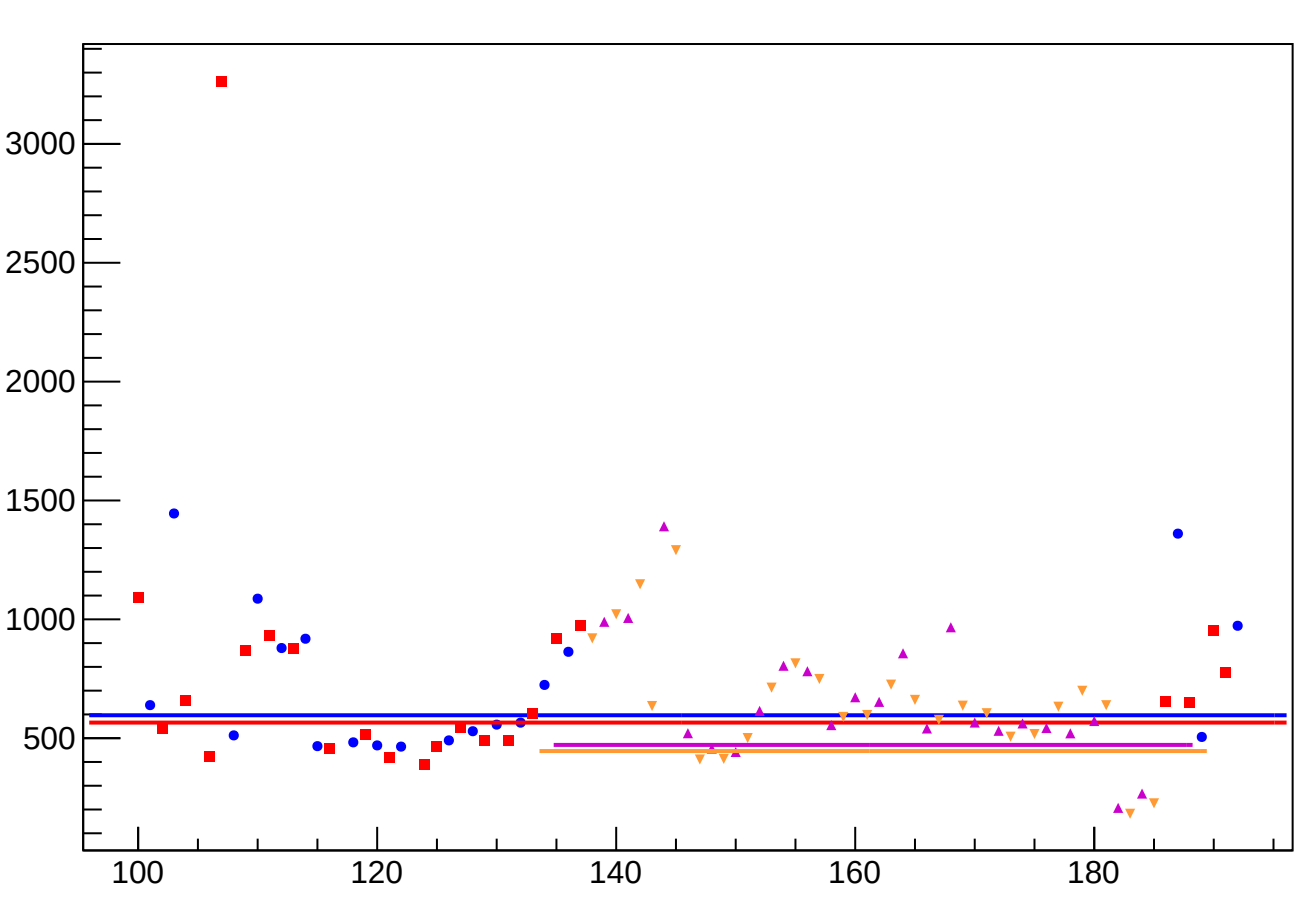
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -167.694+/-148.464 χ^2/NDF: 52.0/41

In: -59.223+/-106.489 χ^2/NDF:30.3/41

Out: -181.313+/-100.583 χ^2/NDF:69.7/47

All: -123.748+/-73.122 χ^2/NDF: 100.7/89



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: 565.724+/-0.146 χ^2/NDF: 1479223.2/22

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

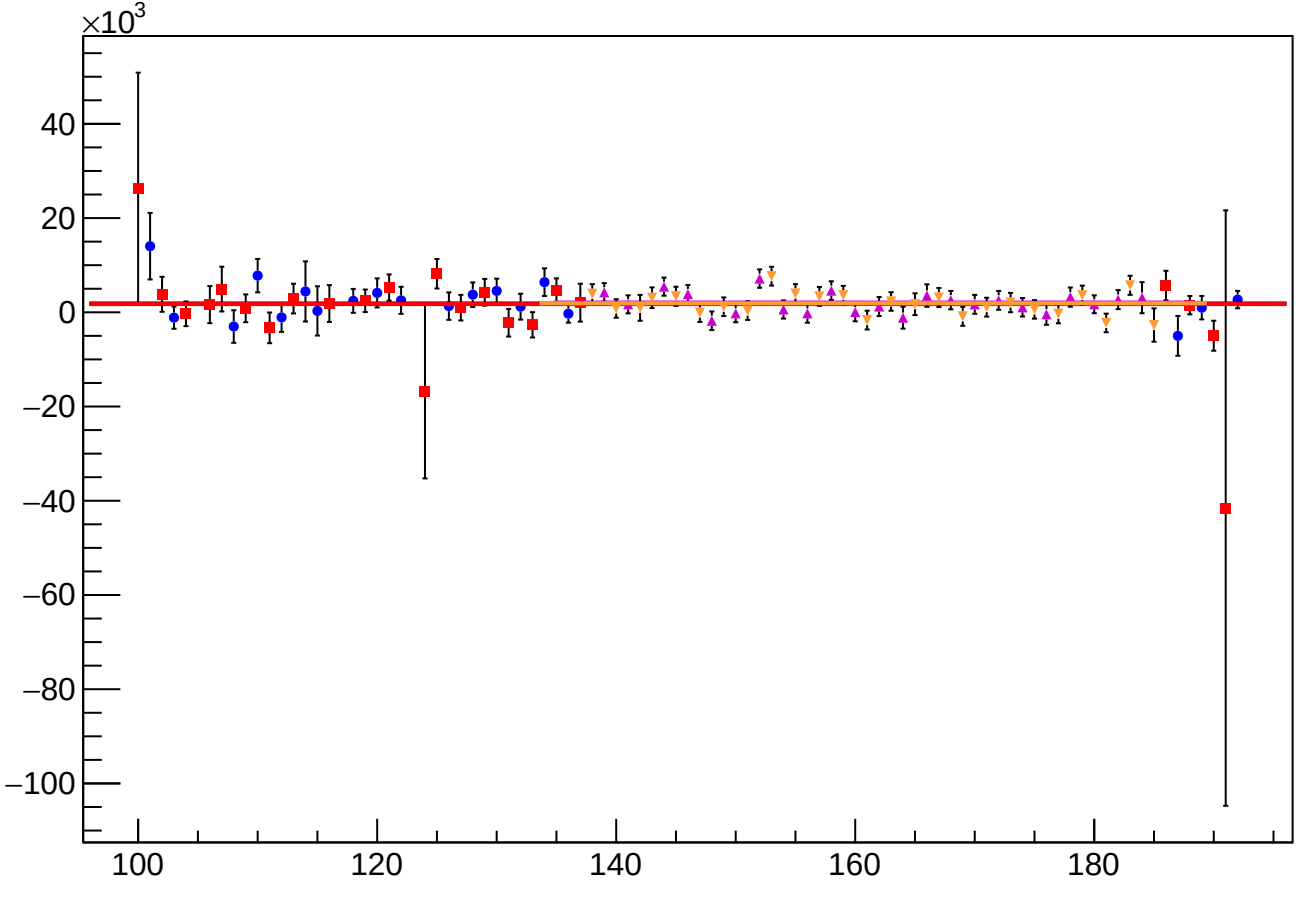
Right: 580.472+/-0.105 χ^2/NDF: 2951746.1/41

In: 502.515+/-0.075 χ^2/NDF:8374949.7/41

Out: 474.523+/-0.071 χ^2/NDF:9977862.8/47

All: 487.722+/-0.052 χ^2/NDF: 18425846.1/89

cor_asym_at1_avg_mean vs Slug, Sign Corrected



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: 1745.736+/-658.976 χ^2/NDF: 25.0/22

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

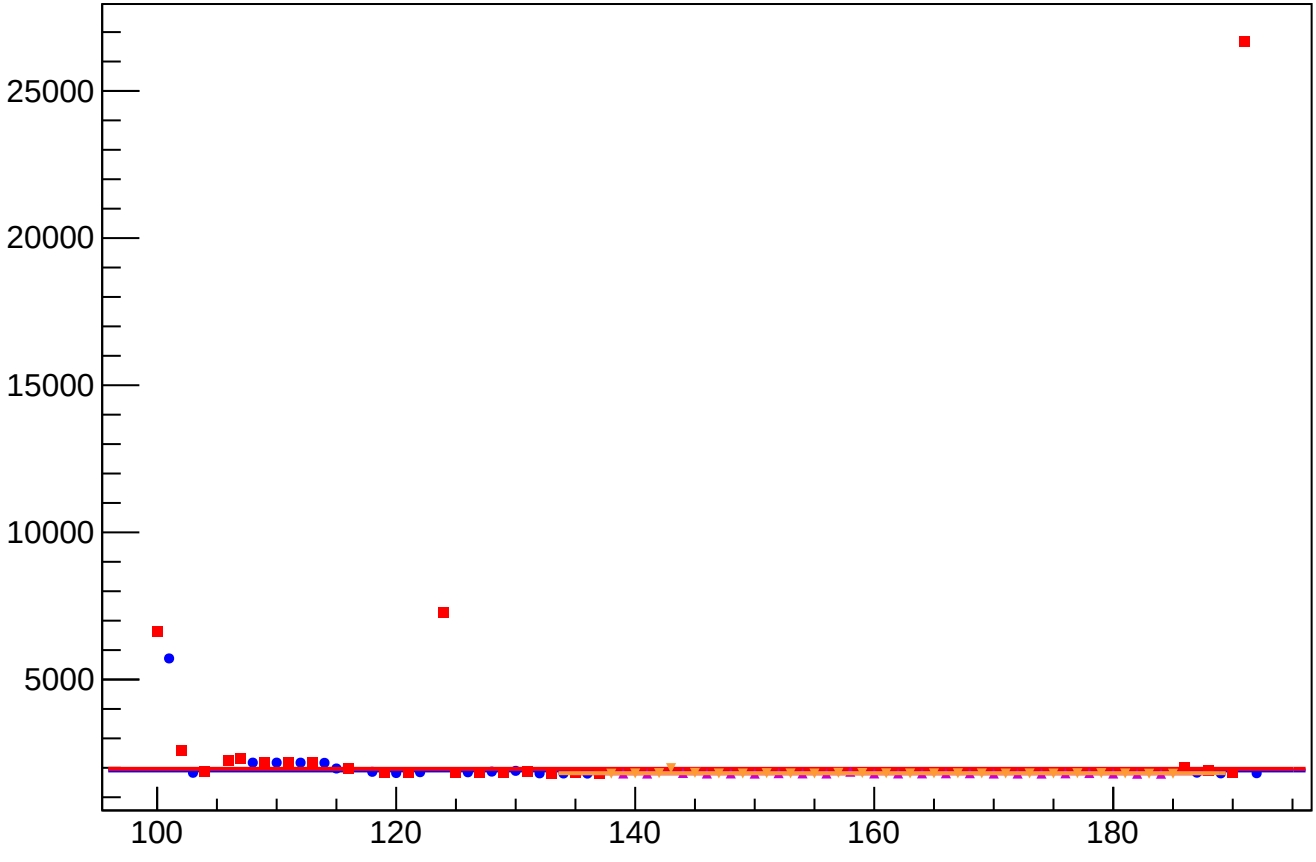
Right: 1814.119+/-463.250 χ^2/NDF: 44.5/41

In: 2016.905+/-354.876 χ^2/NDF:46.1/41

Out: 1871.291+/-349.899 χ^2/NDF:57.6/47

All: 1943.070+/-249.157 χ^2/NDF: 103.7/89

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: 1965.280+/-0.466 χ^2/NDF: 695031.9/22

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

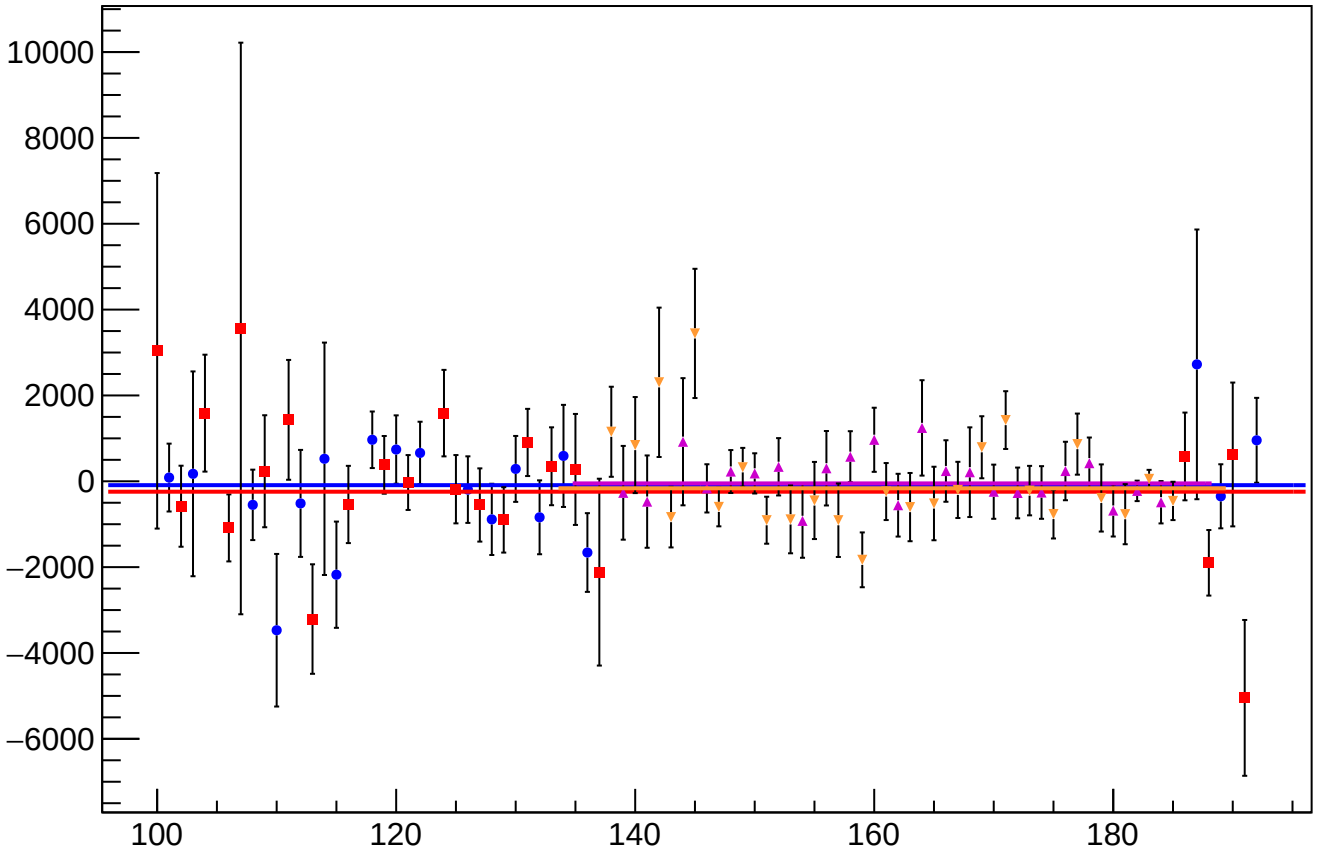
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1937.922+/-0.328 χ^2/NDF: 1351523.1/41

In: 1841.827+/-0.251 χ^2/NDF:683945.6/41

Out: 1859.182+/-0.247 χ^2/NDF:780188.4/47

All: 1850.627+/-0.176 χ^2/NDF: 1466559.3/89



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: -242.589+/-205.657 χ^2/NDF: 32.4/22

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

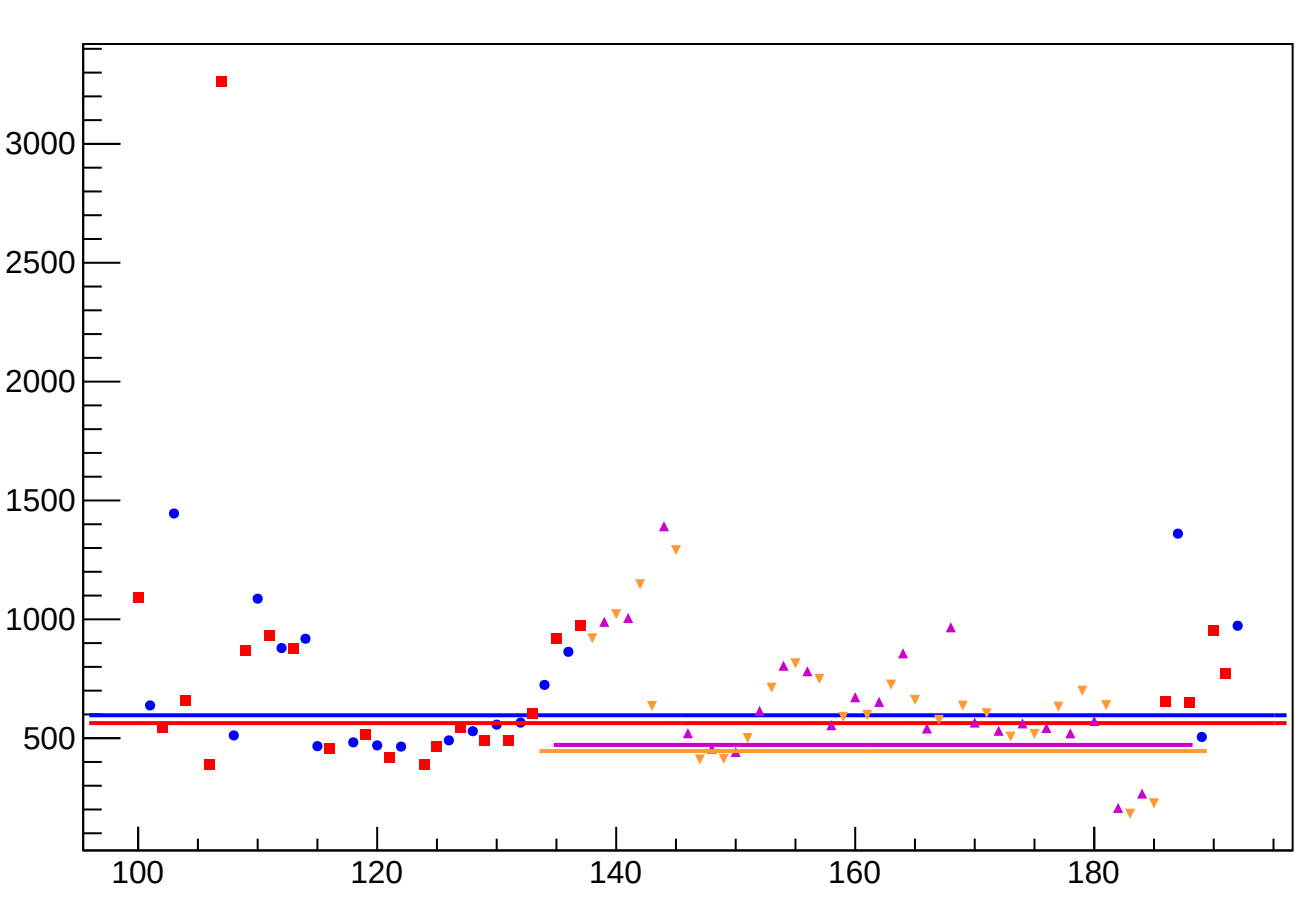
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -169.603+/-148.407 χ^2/NDF: 51.6/41

In: -59.424+/-106.486 χ^2/NDF:30.3/41

Out: -181.964+/-100.567 χ^2/NDF:69.4/47

All: -124.194+/-73.114 χ^2/NDF: 100.4/89



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: 563.456+/-0.145 χ^2/NDF: 1514388.8/22

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

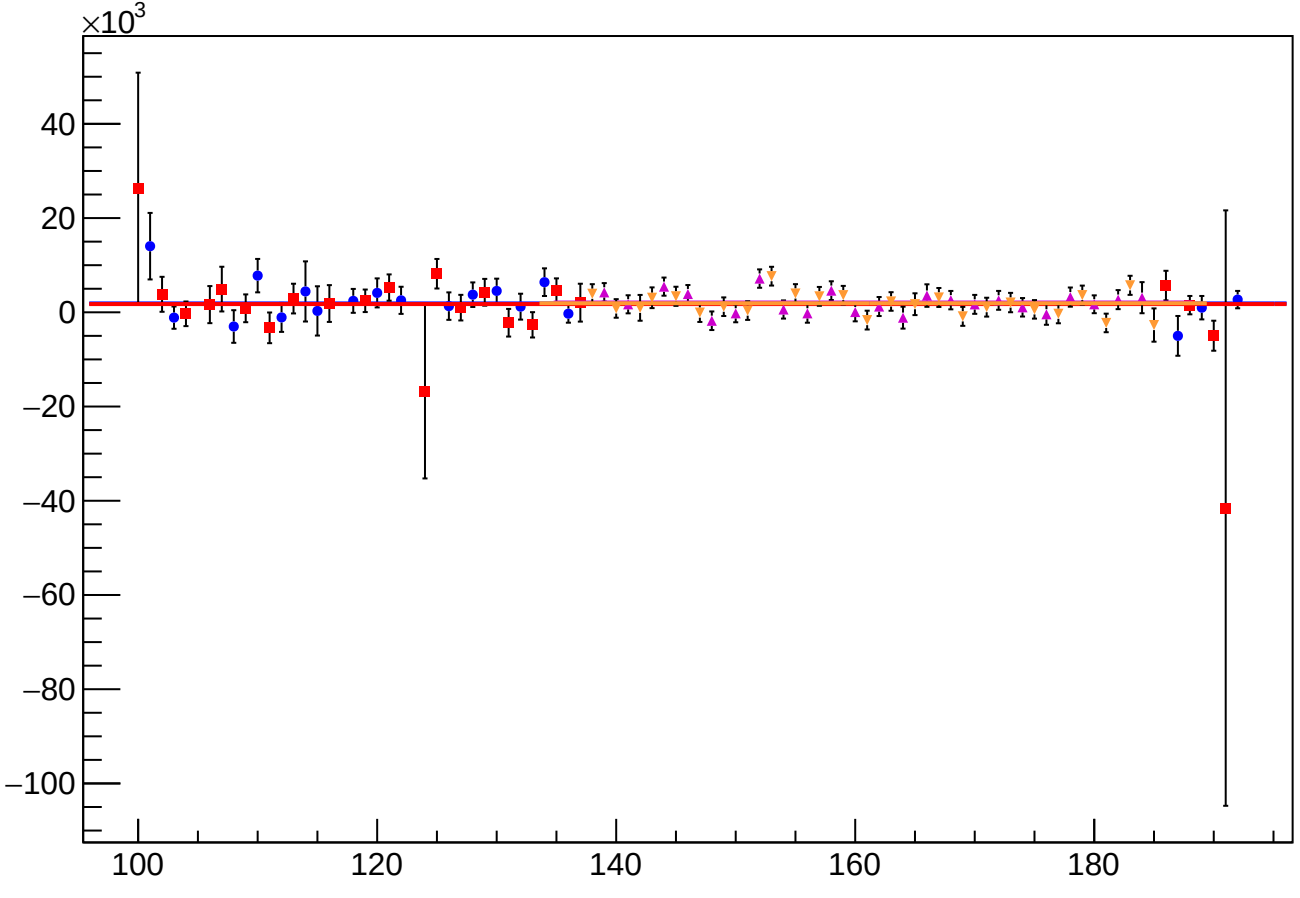
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 579.244+/-0.105 χ^2/NDF: 2989690.9/41

In: 502.512+/-0.075 χ^2/NDF:8373679.4/41

Out: 473.985+/-0.071 χ^2/NDF:9995754.4/47

All: 487.434+/-0.052 χ^2/NDF: 18445300.8/89



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: 1745.736+/-658.976 χ^2/NDF: 25.0/22

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

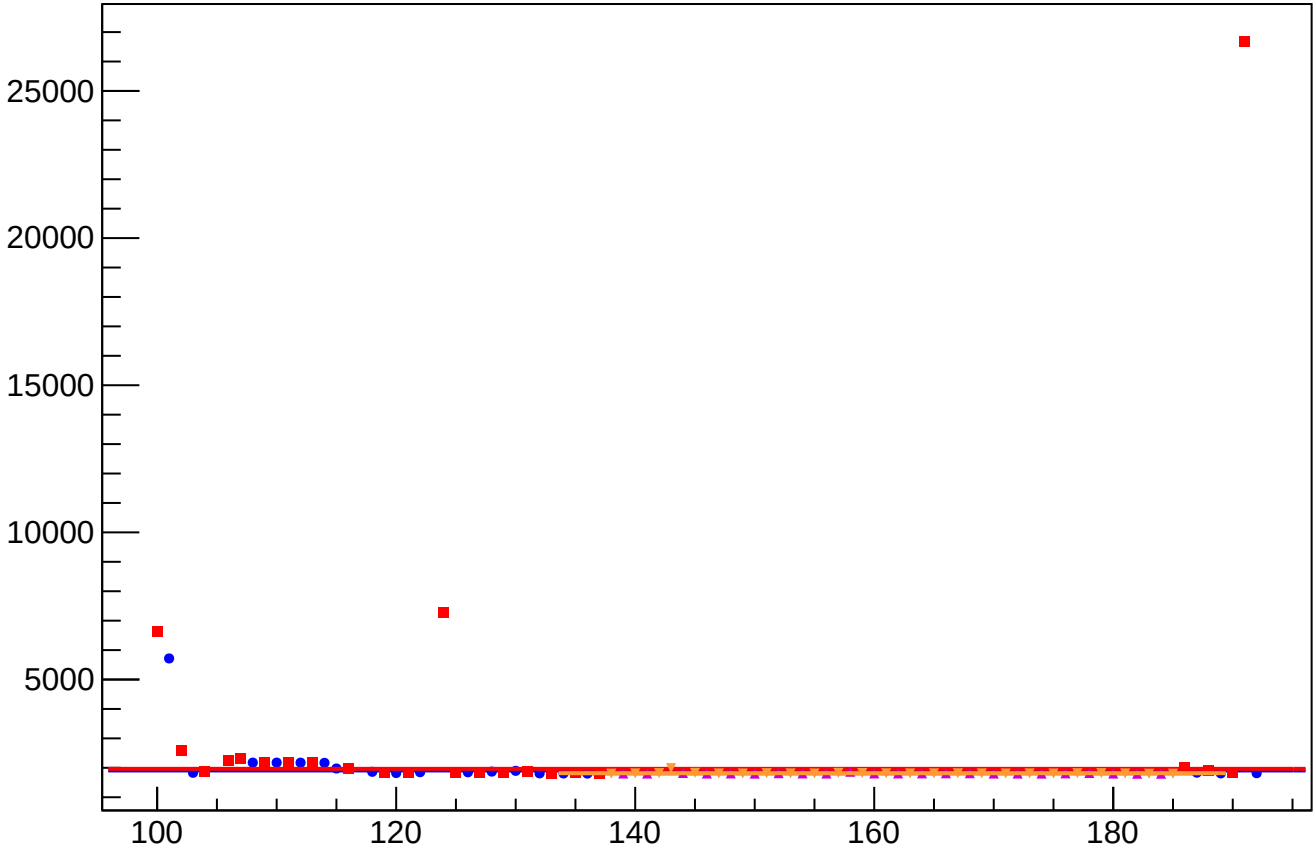
Right: 1814.119+/-463.250 χ^2/NDF: 44.5/41

In: 2016.905+/-354.876 χ^2/NDF:46.1/41

Out: 1871.291+/-349.899 χ^2/NDF:57.6/47

All: 1943.070+/-249.157 χ^2/NDF: 103.7/89

eigen_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: 1965.280+/-0.466 χ^2/NDF: 695031.9/22

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

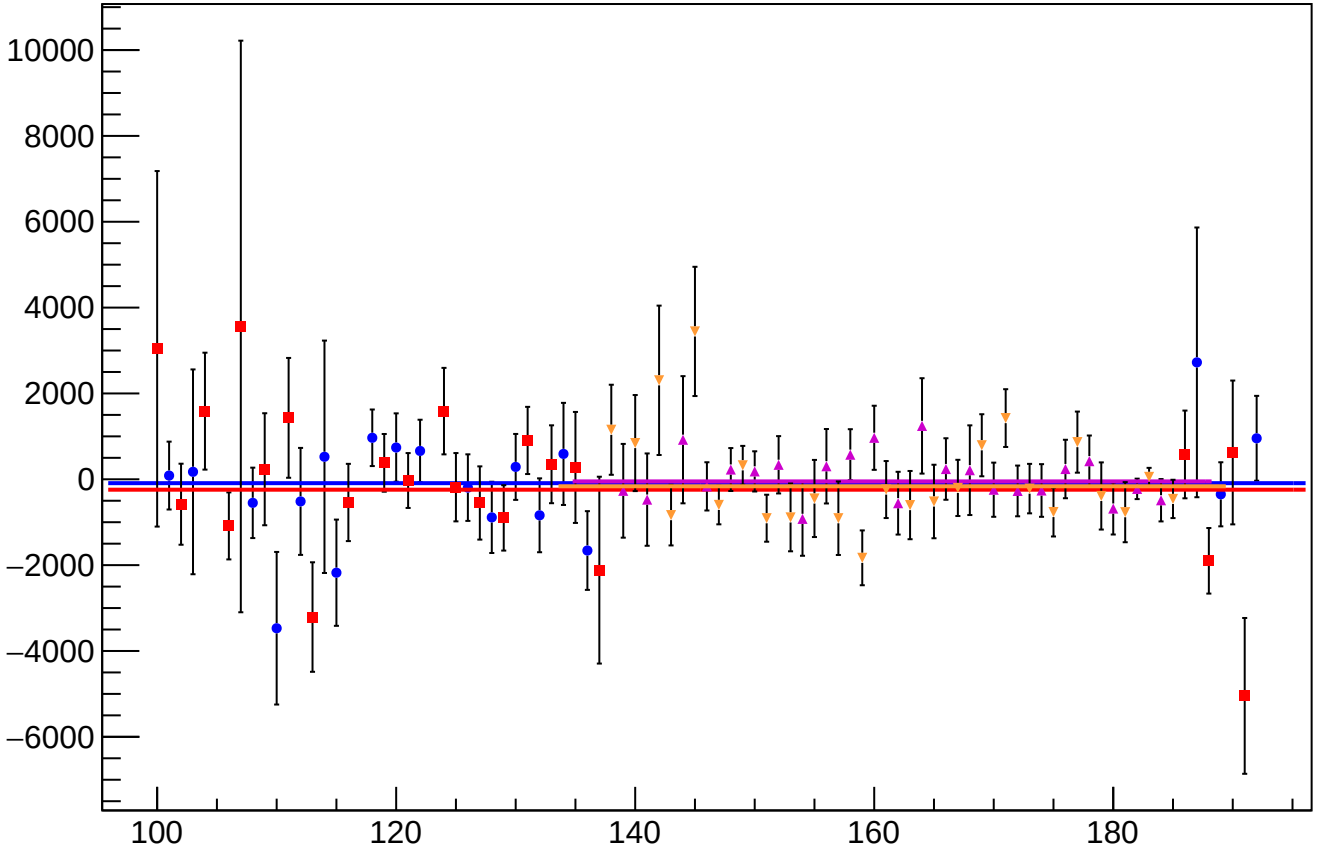
Right: 1937.922+/-0.328 χ^2/NDF: 1351523.1/41

In: 1841.827+/-0.251 χ^2/NDF:683945.6/41

Out: 1859.182+/-0.247 χ^2/NDF:780188.4/47

All: 1850.627+/-0.176 χ^2/NDF: 1466559.3/89

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -242.589+/-205.657 χ^2/NDF: 32.4/22

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

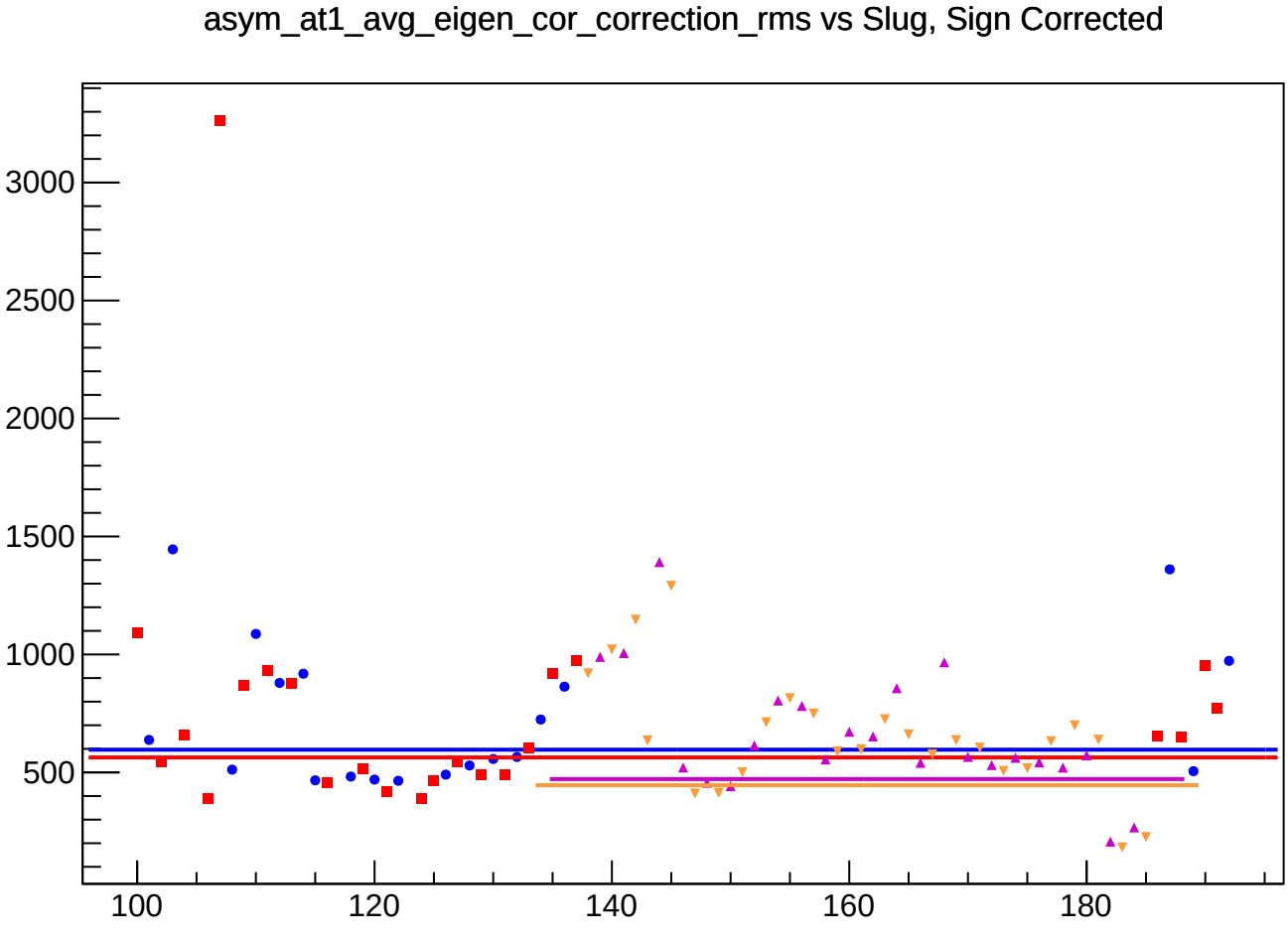
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

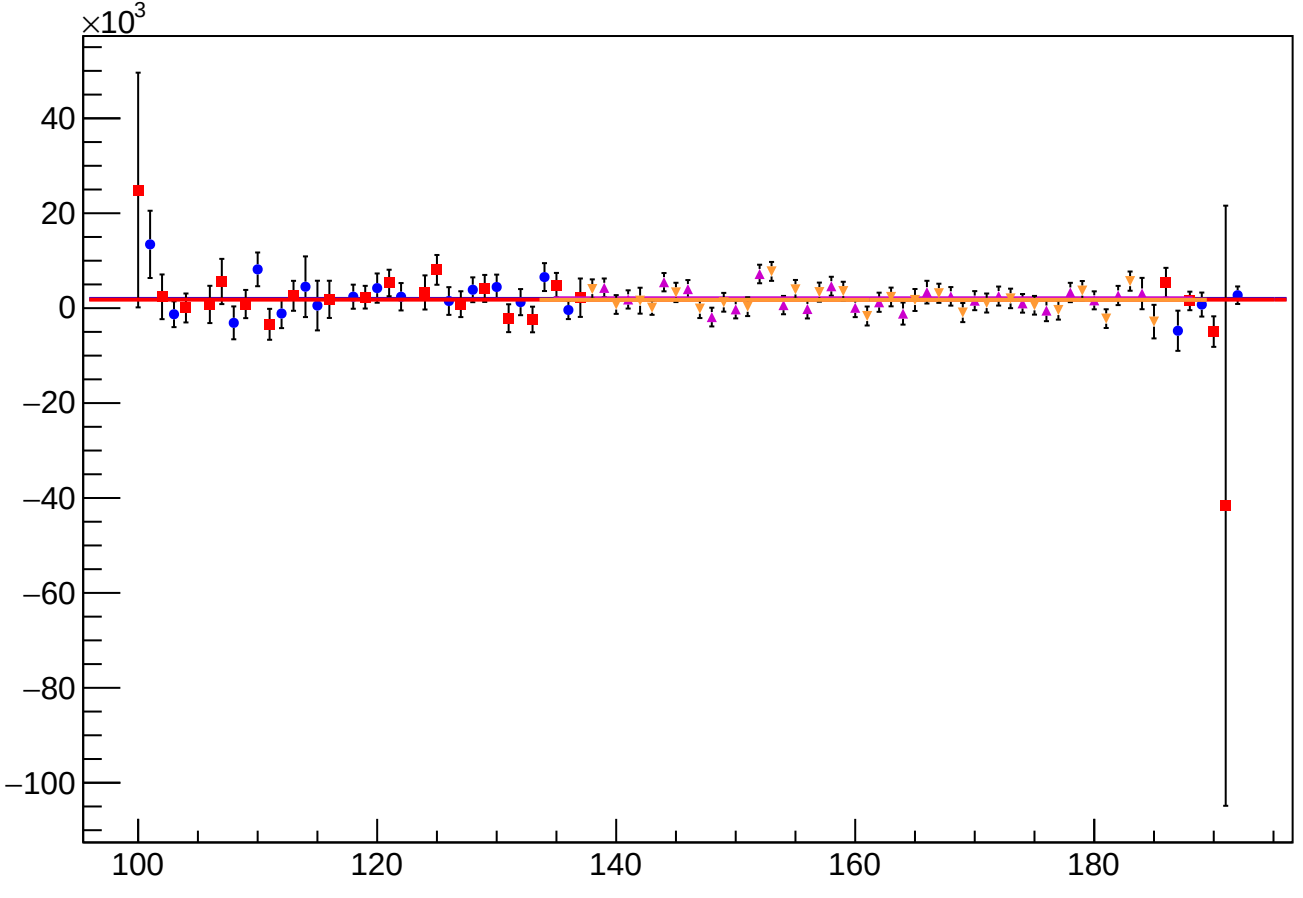
Right: -169.603+/-148.407 χ^2/NDF: 51.6/41

In: -59.424+/-106.486 χ^2/NDF:30.3/41

Out: -181.964+/-100.567 χ^2/NDF:69.4/47

All: -124.194+/-73.114 χ^2/NDF: 100.4/89


asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 596.399+/-0.152 χ²/NDF: 1450707.7/18
Left Out: 445.867+/-0.082 χ²/NDF:7983869.6/24
Right Out: 563.456+/-0.145 χ²/NDF: 1514388.8/22
Left In: 471.757+/-0.087 χ²/NDF:6413685.0/22
Left: 458.008+/-0.059 χ²/NDF: 14444849.4/47
Right: 579.244+/-0.105 χ²/NDF: 2989690.9/41
In: 502.512+/-0.075 χ²/NDF:8373679.4/41
Out: 473.985+/-0.071 χ²/NDF:9995754.4/47
All: 487.434+/-0.052 χ²/NDF: 18445300.8/89



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: 1798.993+/-659.306 χ^2/NDF: 23.0/22

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

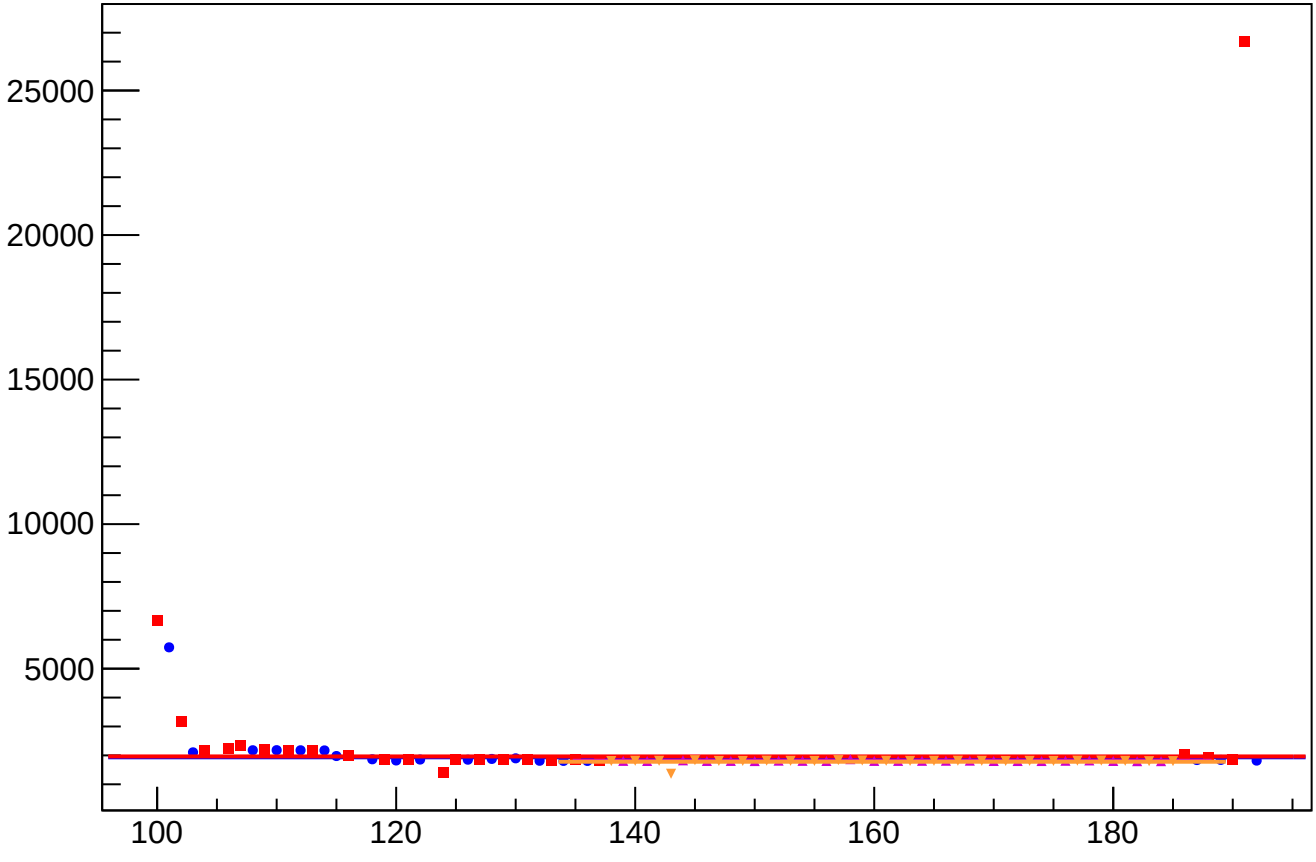
Right: 1871.987+/-466.176 χ^2/NDF: 42.5/41

In: 2035.891+/-356.400 χ^2/NDF:46.5/41

Out: 1767.428+/-345.339 χ^2/NDF:56.8/47

All: 1897.429+/-248.010 χ^2/NDF: 103.6/89

dit_asym_at1_avg_rms vs Slug, Sign Corrected



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: 1963.821+/-0.466 χ^2/NDF: 658511.0/22

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

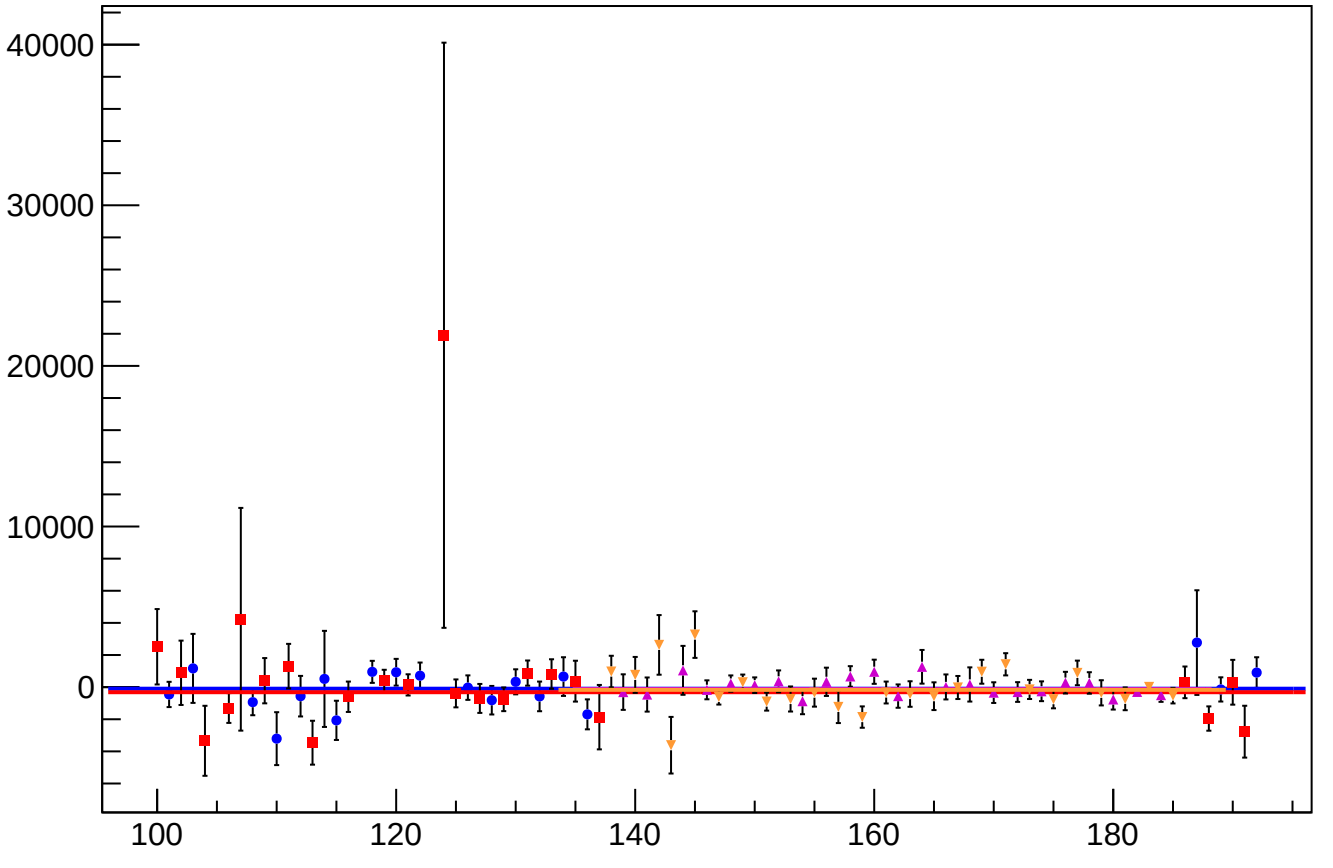
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1948.886+/-0.330 χ^2/NDF: 1315138.8/41

In: 1849.367+/-0.252 χ^2/NDF:703195.0/41

Out: 1831.096+/-0.244 χ^2/NDF:935146.3/47

All: 1839.943+/-0.175 χ^2/NDF: 1641052.2/89



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: -315.678+/-220.184 χ^2/NDF: 28.2/22

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

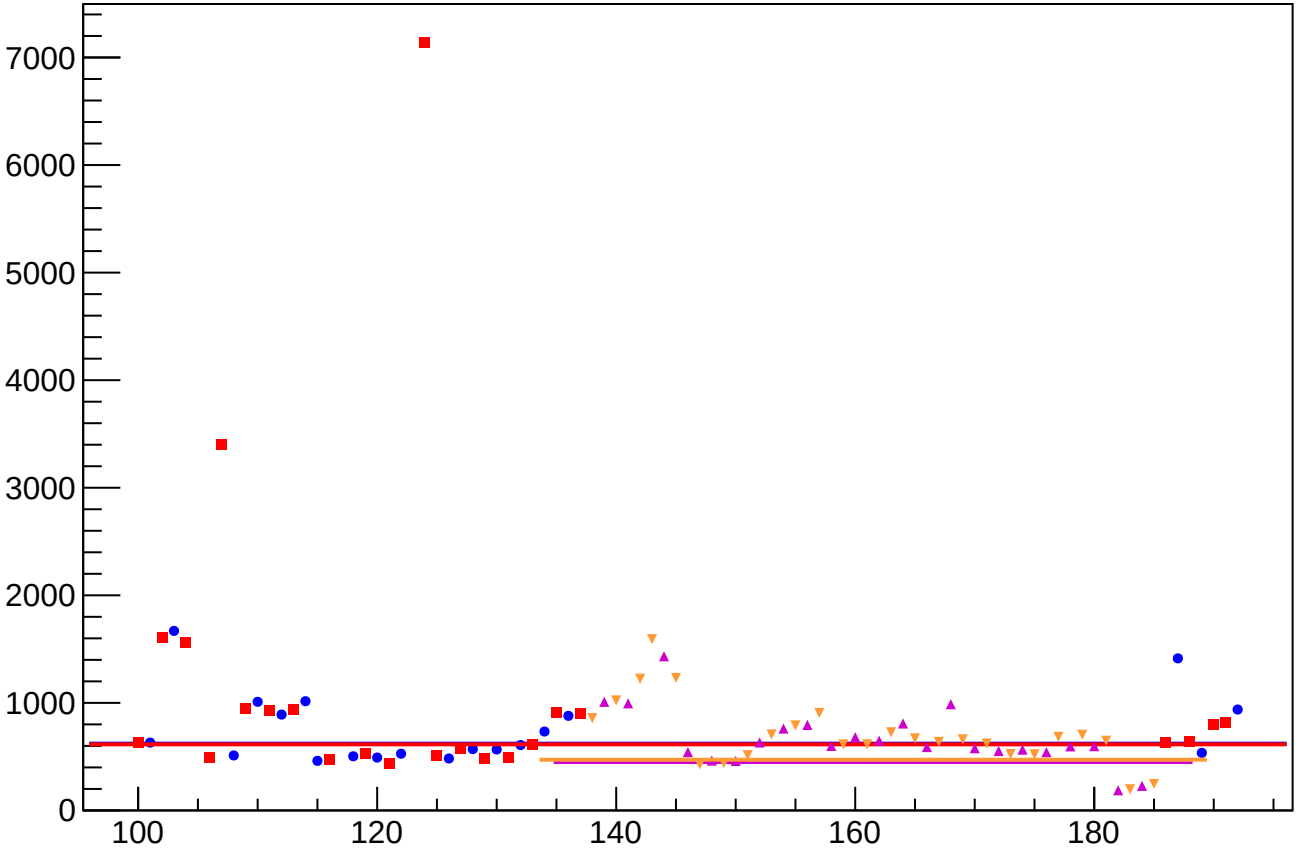
Right: -206.522+/-155.424 χ^2/NDF: 47.9/41

In: -112.828+/-105.130 χ^2/NDF:31.5/41

Out: -202.457+/-106.465 χ^2/NDF:66.8/47

All: -157.077+/-74.806 χ^2/NDF: 98.7/89

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: 614.617+/-0.156 χ^2/NDF: 2406090.7/22

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

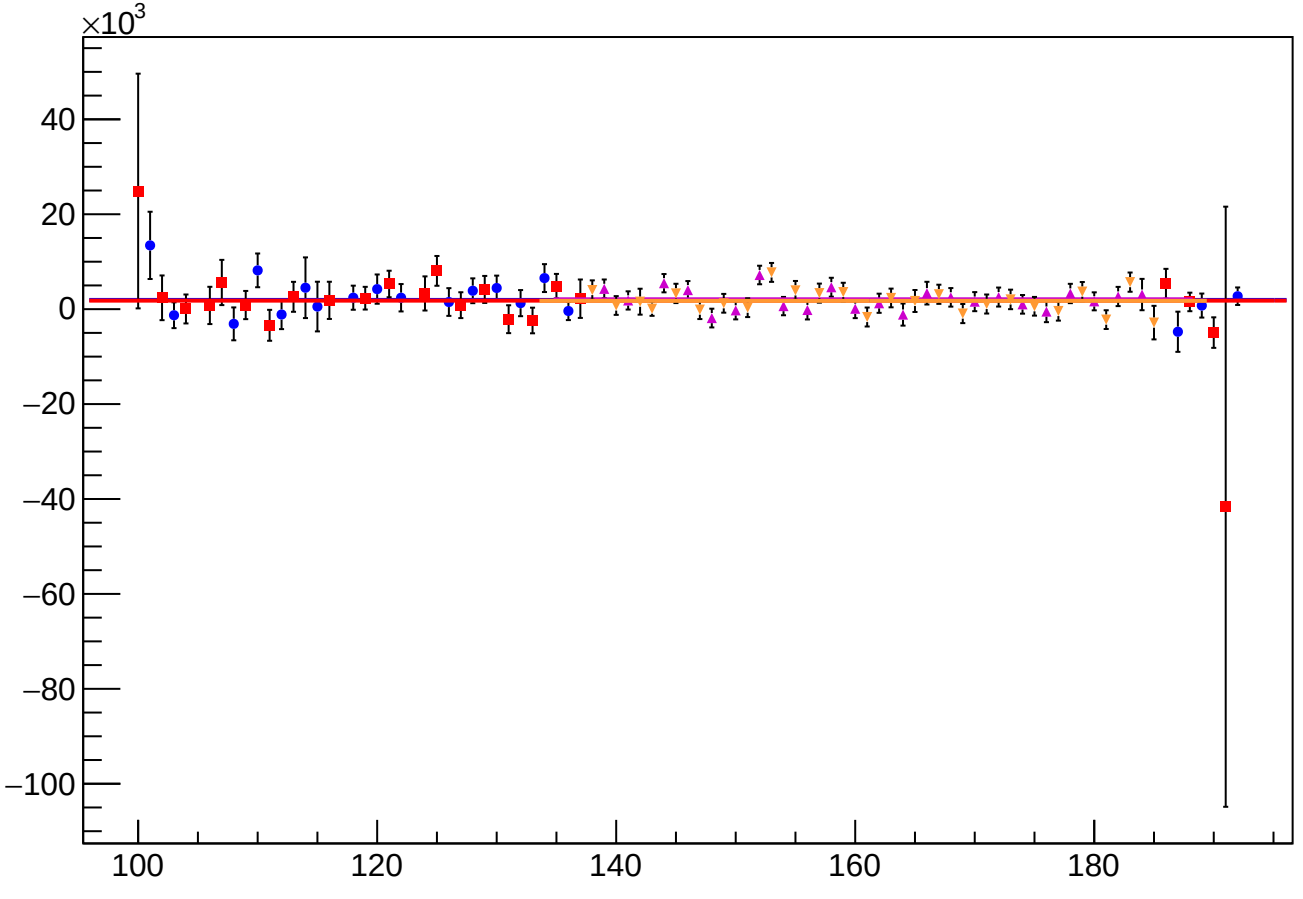
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 617.694+/-0.110 χ^2/NDF: 3943212.0/41

In: 489.698+/-0.074 χ^2/NDF:10390659.0/41

Out: 505.173+/-0.075 χ^2/NDF:11163670.3/47

All: 497.338+/-0.053 χ^2/NDF: 21575721.5/89



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: 1798.990+/-659.306 χ^2/NDF: 23.0/22

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

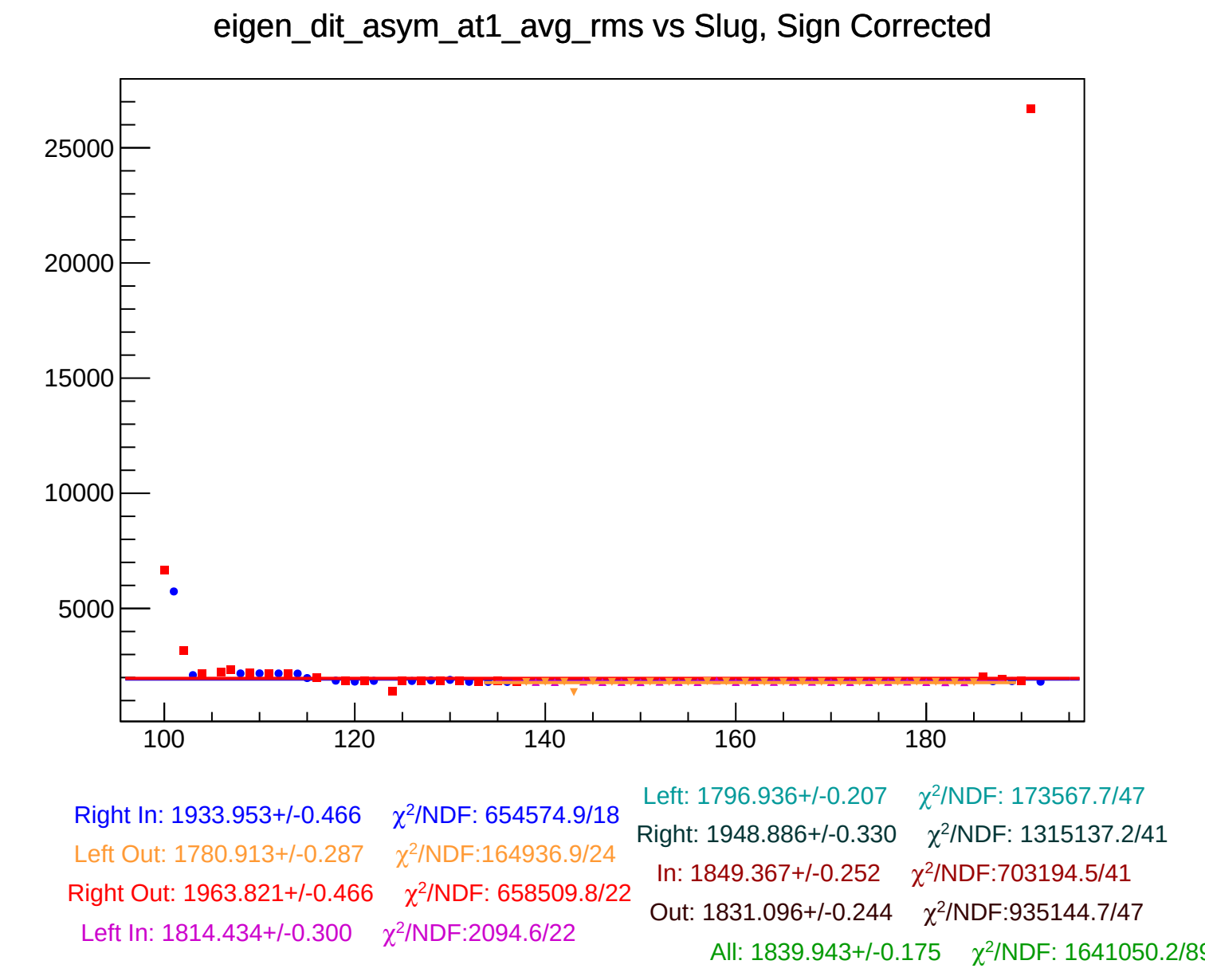
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

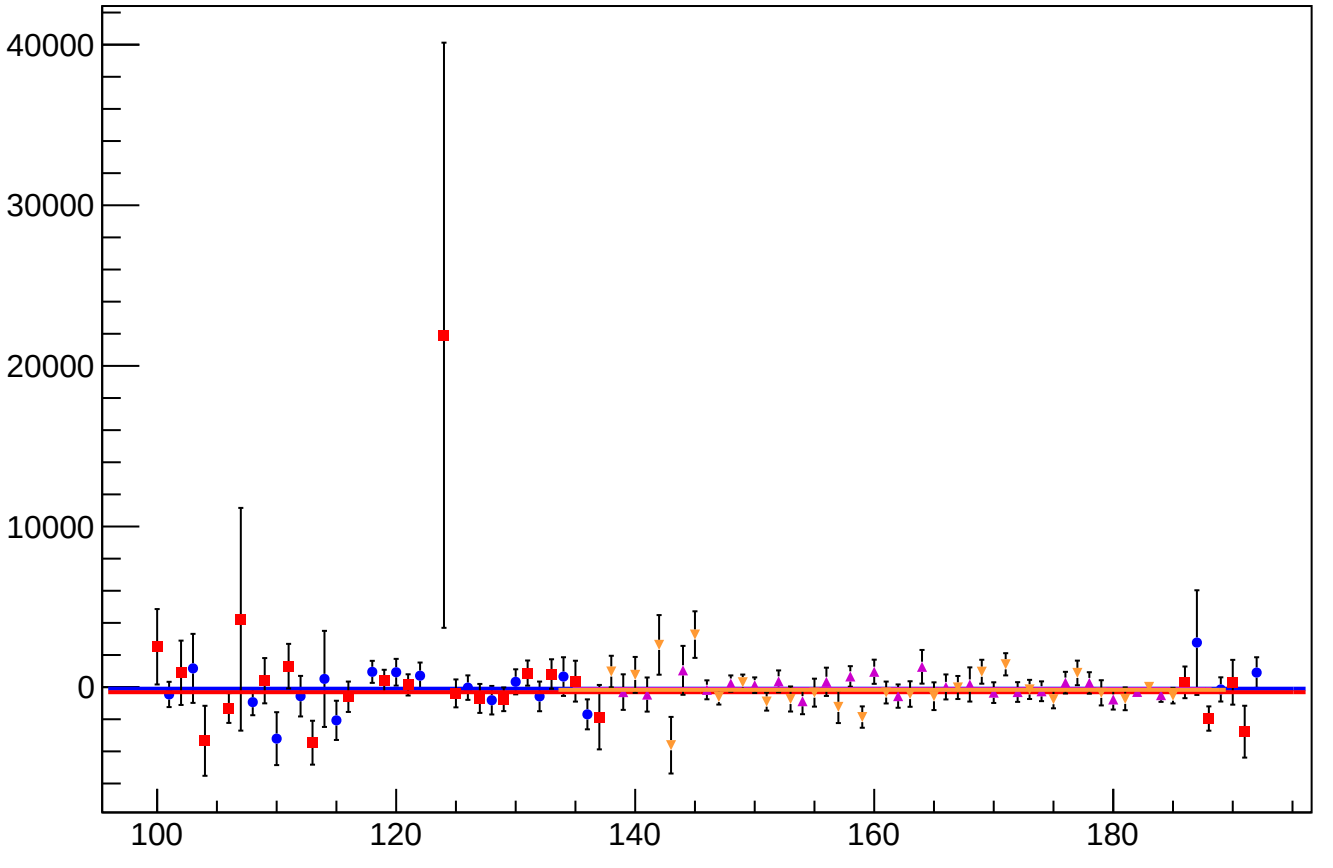
Right: 1871.985+/-466.175 χ^2/NDF: 42.5/41

In: 2035.891+/-356.400 χ^2/NDF:46.5/41

Out: 1767.427+/-345.339 χ^2/NDF:56.8/47

All: 1897.429+/-248.010 χ^2/NDF: 103.6/89


eigen_dit_asym_at1_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
Right In: 1933.953+/-0.466 χ²/NDF: 654574.9/18
Left Out: 1780.913+/-0.287 χ²/NDF:164936.9/24
Right Out: 1963.821+/-0.466 χ²/NDF: 658509.8/22
Left In: 1814.434+/-0.300 χ²/NDF:2094.6/22
Left: 1796.936+/-0.207 χ²/NDF: 173567.7/47
Right: 1948.886+/-0.330 χ²/NDF: 1315137.2/41
In: 1849.367+/-0.252 χ²/NDF:703194.5/41
Out: 1831.096+/-0.244 χ²/NDF:935144.7/47
All: 1839.943+/-0.175 χ²/NDF: 1641050.2/89



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: -315.678+/-220.183 χ^2/NDF: 28.2/22

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

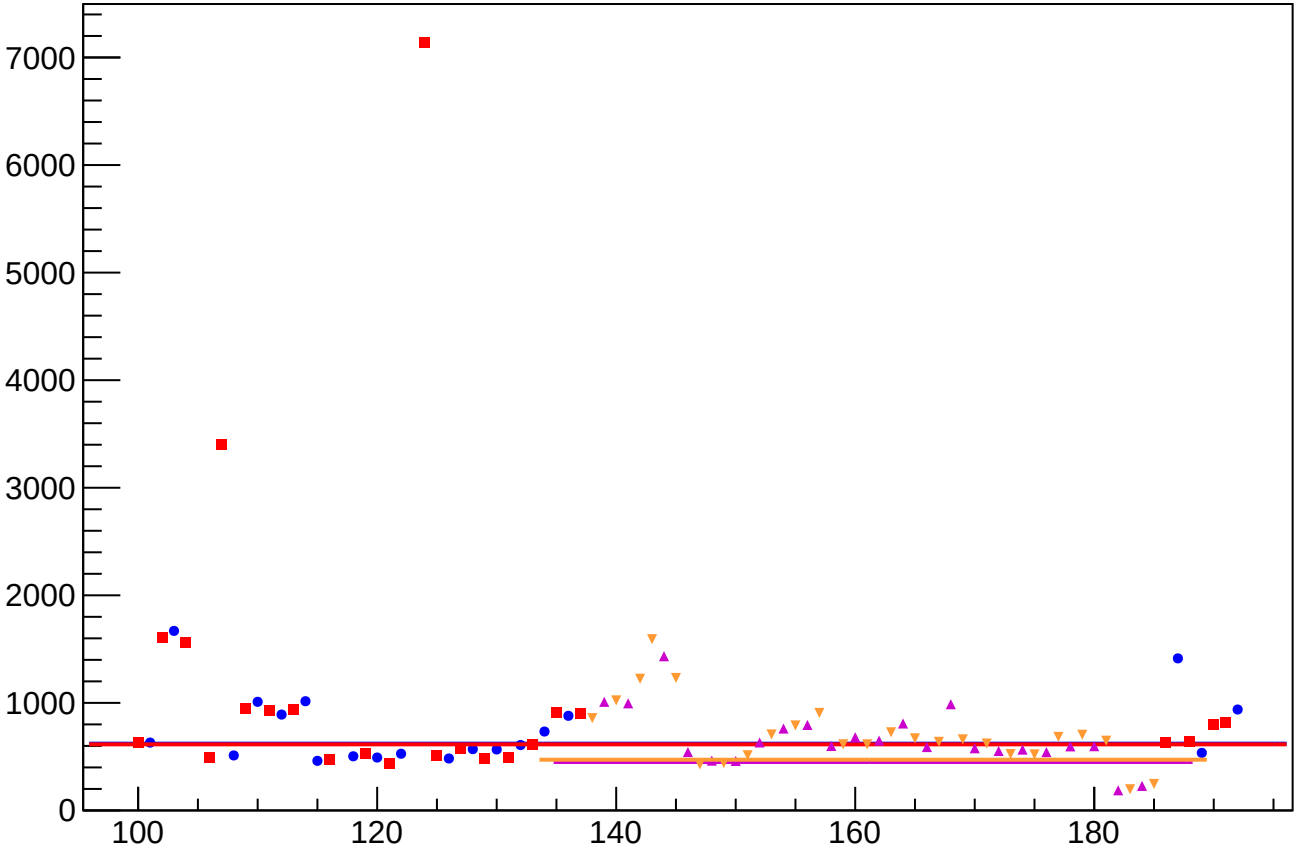
Right: -206.521+/-155.424 χ^2/NDF: 47.9/41

In: -112.828+/-105.130 χ^2/NDF:31.5/41

Out: -202.458+/-106.465 χ^2/NDF:66.8/47

All: -157.077+/-74.806 χ^2/NDF: 98.7/89

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: 614.616+/-0.156 χ^2/NDF: 2406099.4/22

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

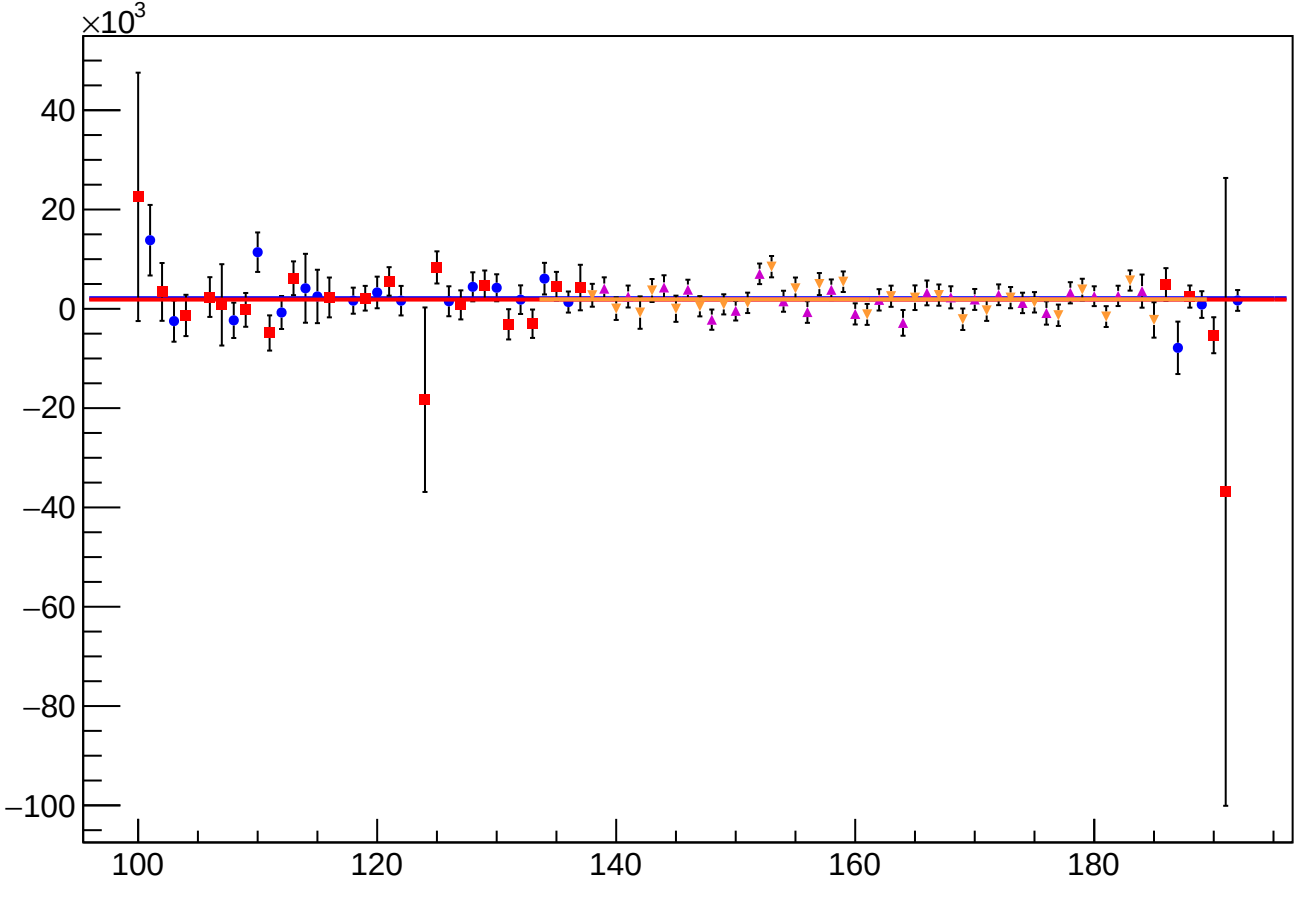
Right: 617.693+/-0.110 χ^2/NDF: 3943231.6/41

In: 489.699+/-0.074 χ^2/NDF:10390636.9/41

Out: 505.173+/-0.075 χ^2/NDF:11163666.1/47

All: 497.339+/-0.053 χ^2/NDF: 21575694.4/89

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: 1861.633+/-733.226 χ^2/NDF: 26.8/22

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

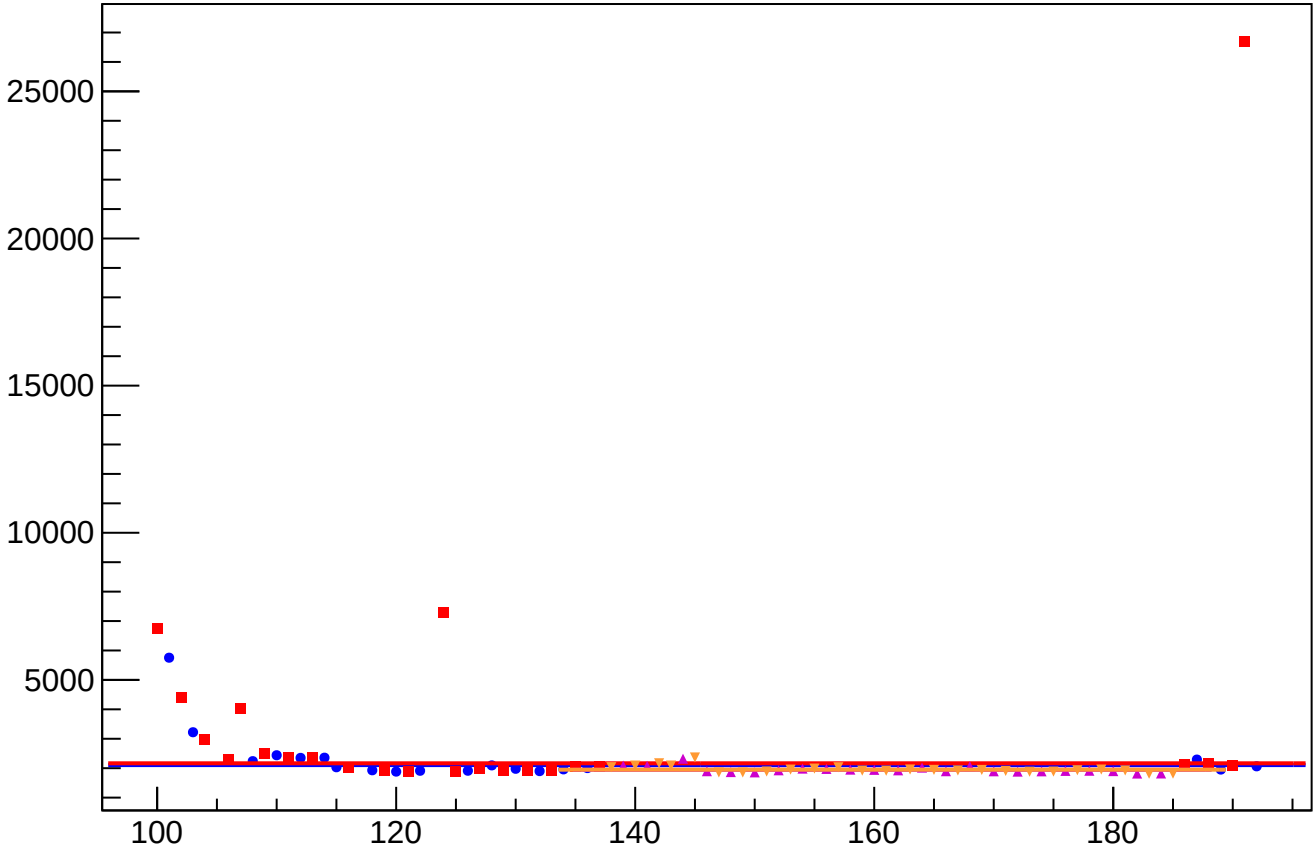
Right: 2004.077+/-513.799 χ^2/NDF: 45.6/41

In: 1987.861+/-384.590 χ^2/NDF:43.6/41

Out: 1895.117+/-379.496 χ^2/NDF:63.1/47

All: 1940.871+/-270.127 χ^2/NDF: 106.7/89

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: 2166.137+/-0.518 χ^2/NDF: 1128969.3/22

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

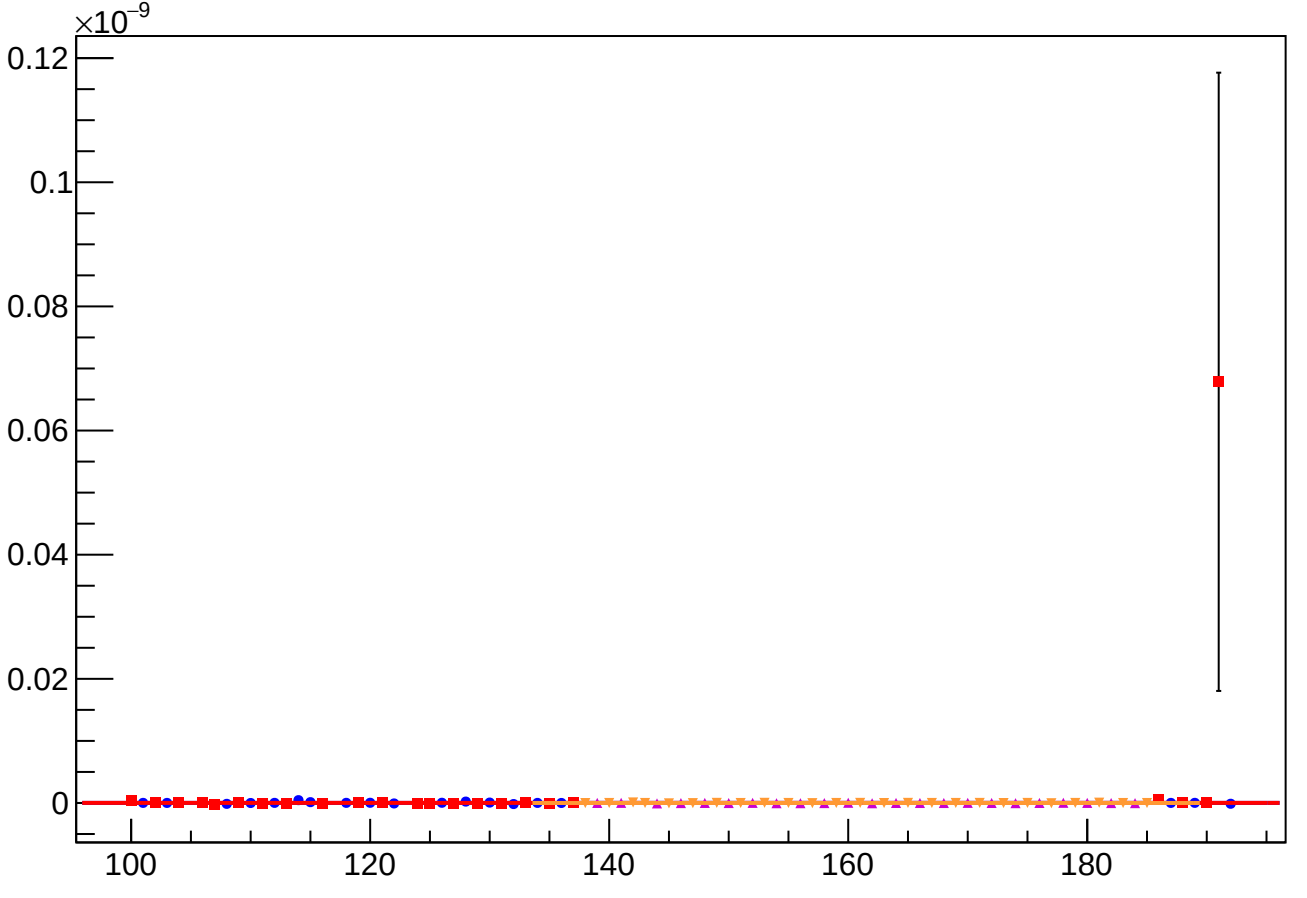
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2135.101+/-0.363 χ^2/NDF: 1906434.8/41

In: 1990.766+/-0.272 χ^2/NDF:936964.9/41

Out: 2007.168+/-0.268 χ^2/NDF:1365904.0/47

All: 1999.076+/-0.191 χ^2/NDF: 2304711.9/89



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: 20.6/22

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

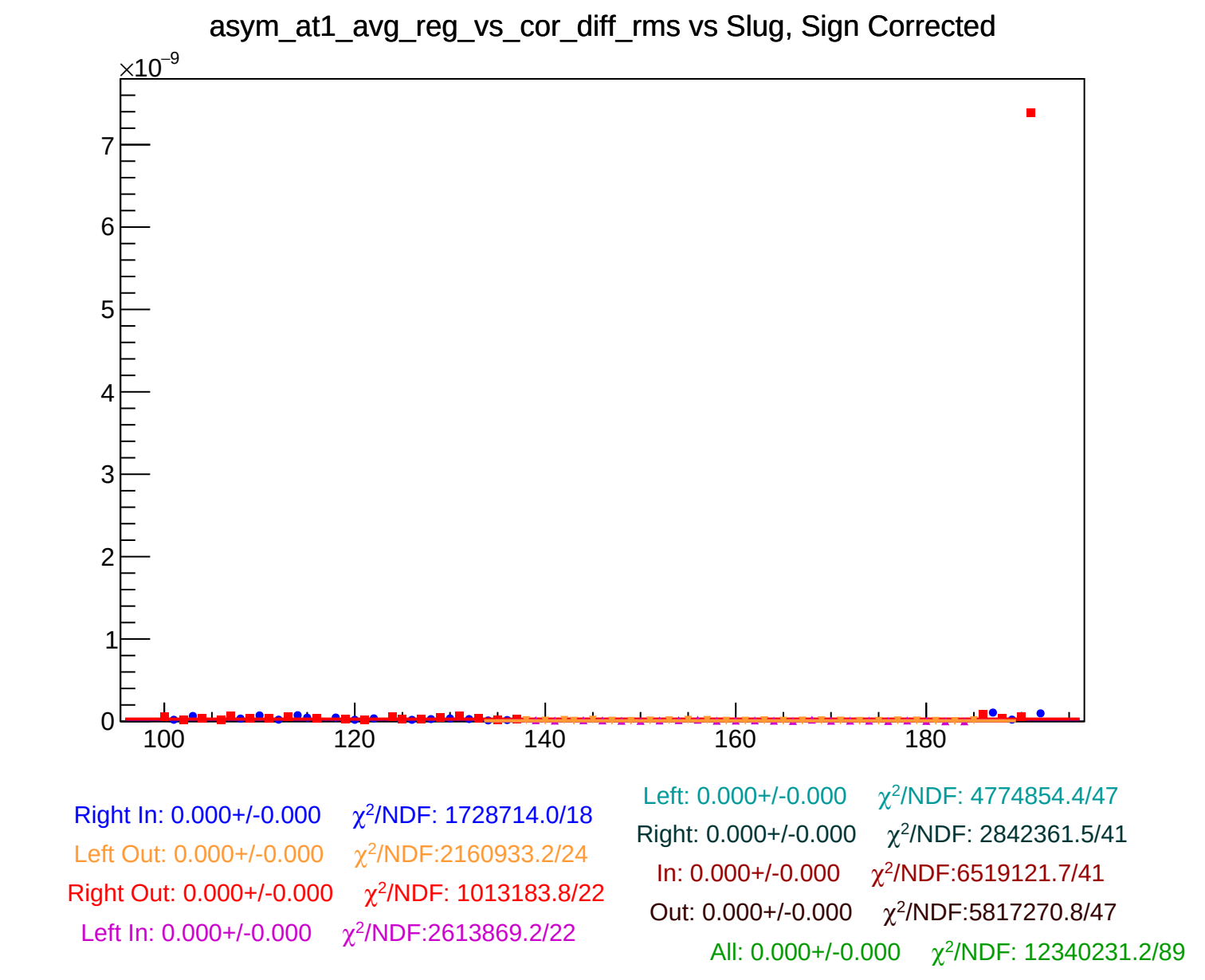
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 39.4/41

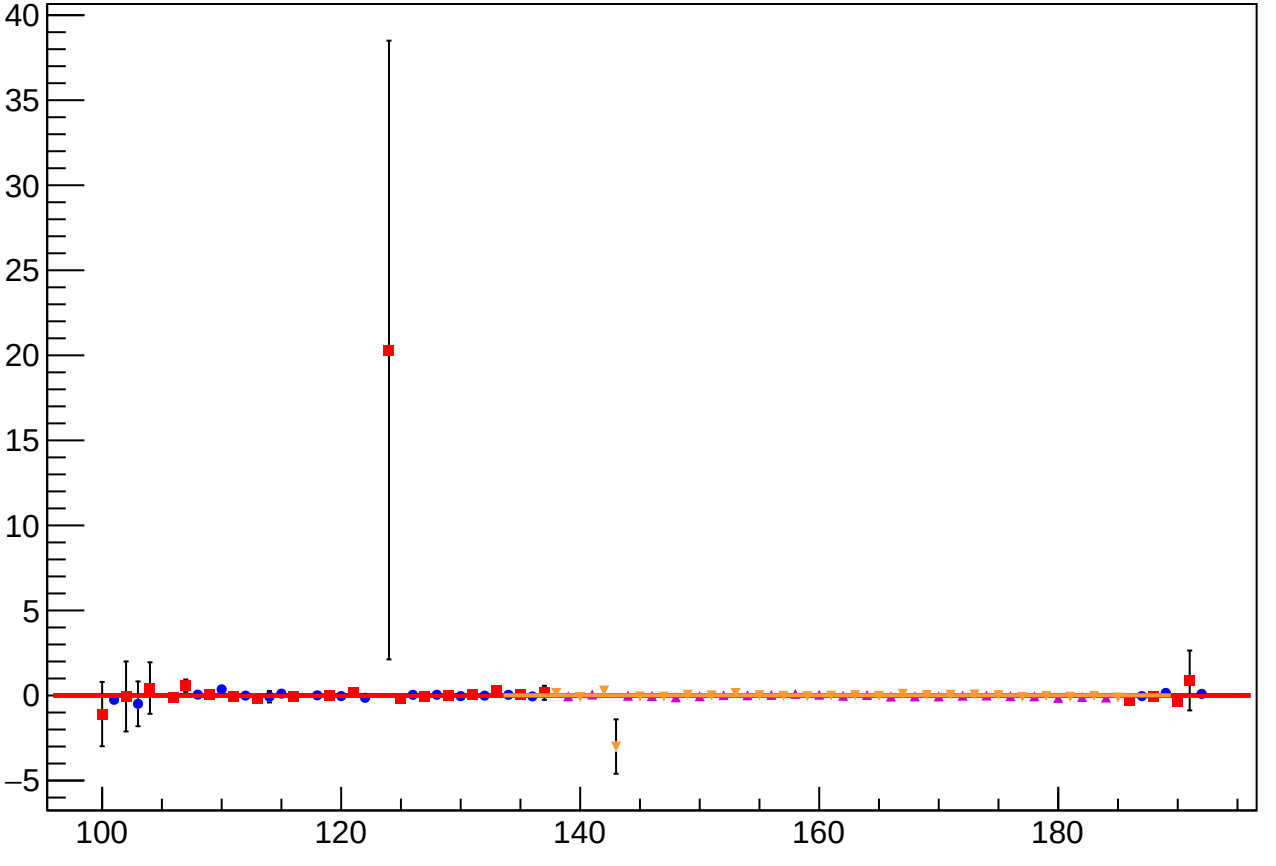
In: -0.000+/-0.000 χ^2/NDF:51.0/41

Out: 0.000+/-0.000 χ^2/NDF:49.9/47

All: -0.000+/-0.000 χ^2/NDF: 101.5/89


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 1728714.0/18
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 1013183.8/22
Left In: 0.000+/-0.000 χ²/NDF:2613869.2/22
Left: 0.000+/-0.000 χ²/NDF: 4774854.4/47
Right: 0.000+/-0.000 χ²/NDF: 2842361.5/41
In: 0.000+/-0.000 χ²/NDF:6519121.7/41
Out: 0.000+/-0.000 χ²/NDF:5817270.8/47
All: 0.000+/-0.000 χ²/NDF: 12340231.2/89

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: -0.024+/-0.025 χ^2/NDF: 22.3/22

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

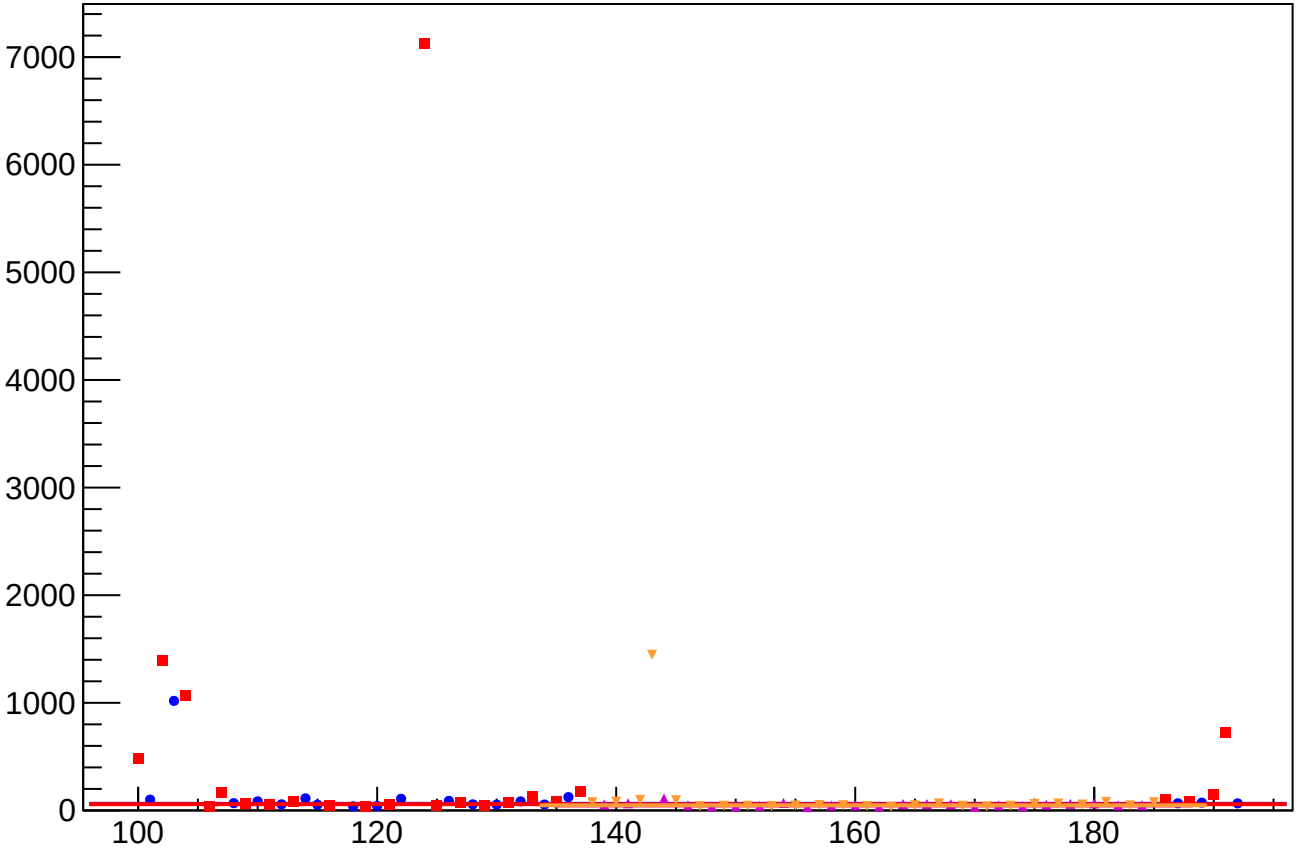
Right: -0.003+/-0.017 χ^2/NDF: 37.6/41

In: -0.011+/-0.011 χ^2/NDF:36.0/41

Out: 0.004+/-0.011 χ^2/NDF:53.5/47

All: -0.003+/-0.008 χ^2/NDF: 90.4/89

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: 58.265+/-0.017 χ^2/NDF: 4359875.0/22

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

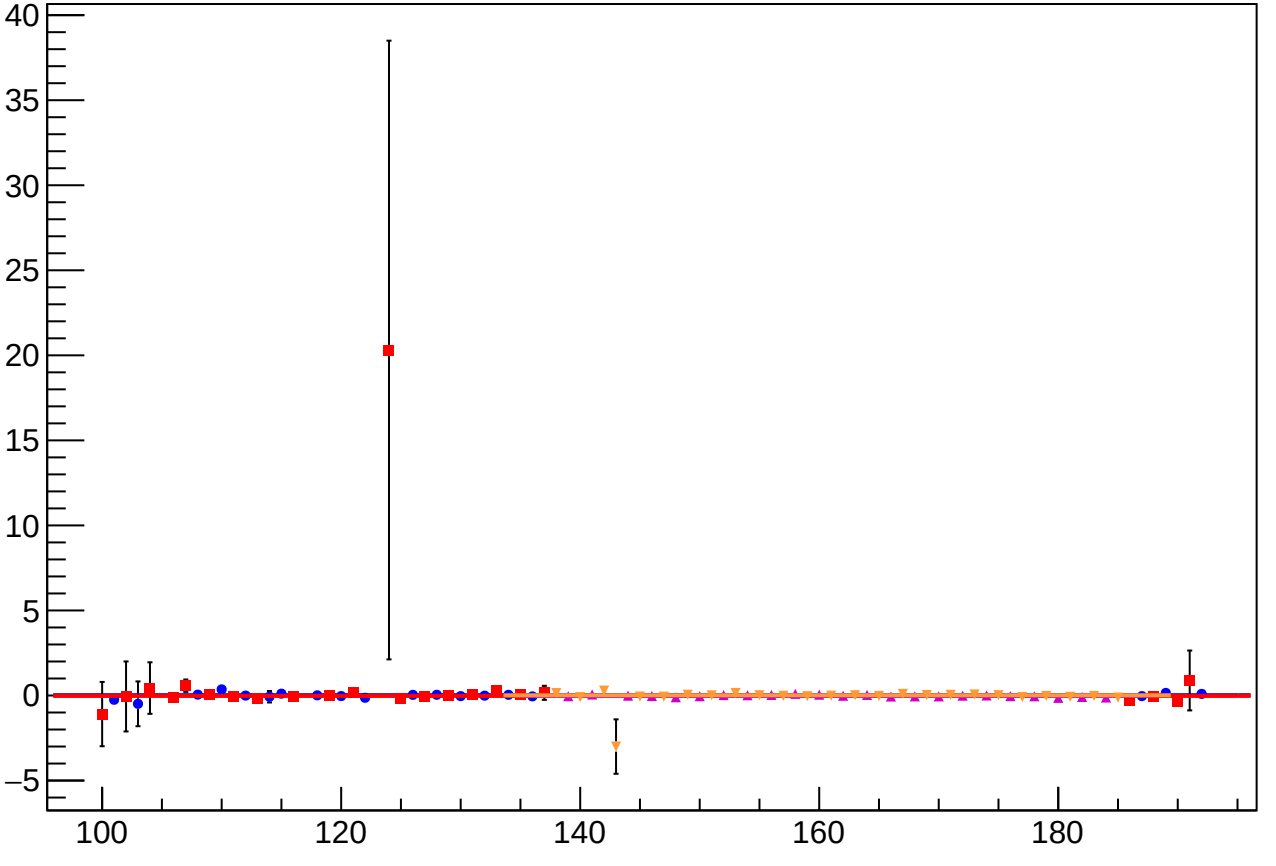
Right: 59.671+/-0.012 χ^2/NDF: 6940167.6/41

In: 49.667+/-0.008 χ^2/NDF:5064427.6/41

Out: 50.021+/-0.008 χ^2/NDF:8140239.1/47

All: 49.842+/-0.006 χ^2/NDF: 13205694.5/89

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: -0.024+/-0.025 χ^2/NDF: 22.3/22

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

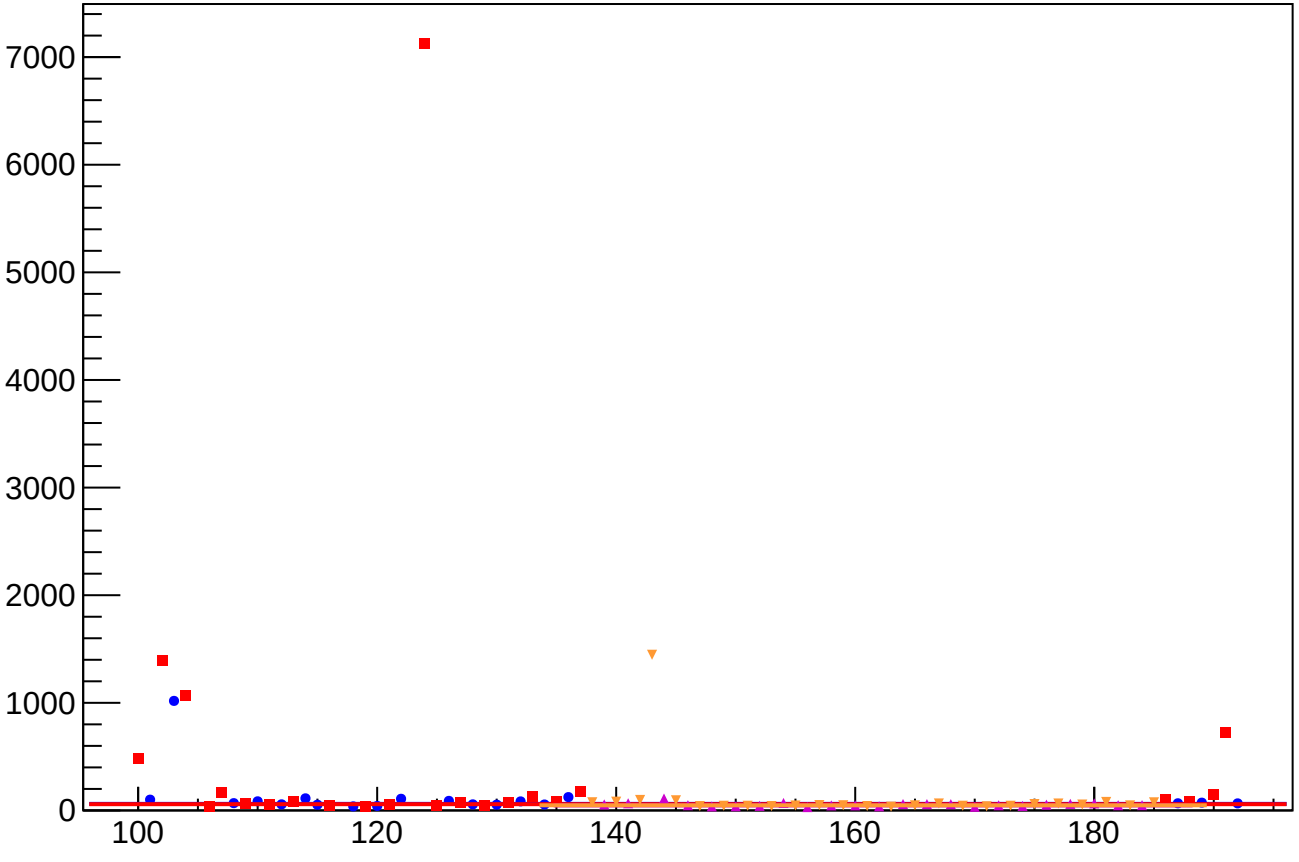
Right: -0.003+/-0.017 χ^2/NDF: 37.6/41

In: -0.011+/-0.011 χ^2/NDF:36.0/41

Out: 0.004+/-0.011 χ^2/NDF:53.5/47

All: -0.003+/-0.008 χ^2/NDF: 90.4/89

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: 58.265+/-0.017 χ^2/NDF: 4359875.0/22

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

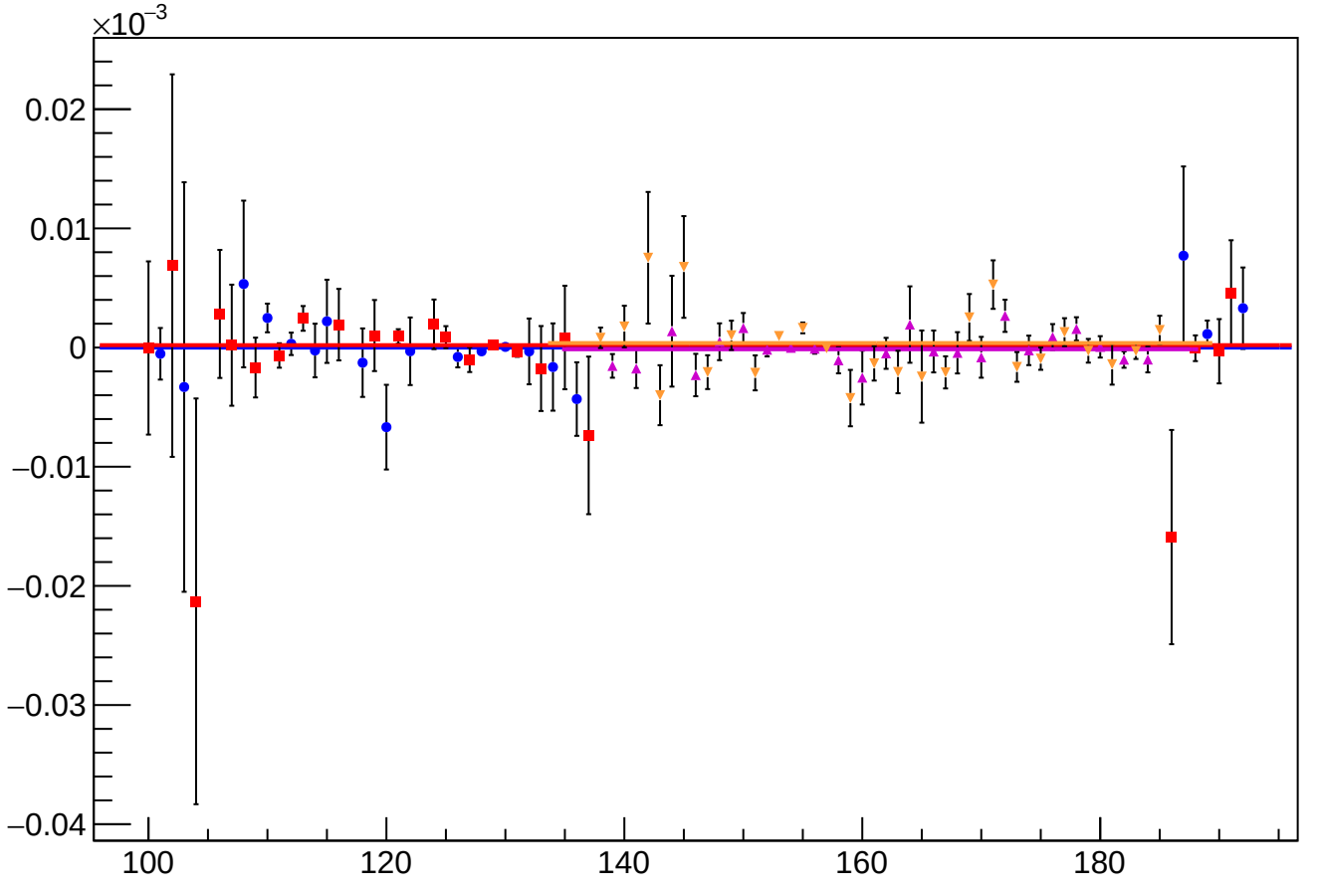
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 59.671+/-0.012 χ^2/NDF: 6940167.6/41

In: 49.667+/-0.008 χ^2/NDF:5064427.6/41

Out: 50.021+/-0.008 χ^2/NDF:8140239.1/47

All: 49.842+/-0.006 χ^2/NDF: 13205694.5/89



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: 19.9/22

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

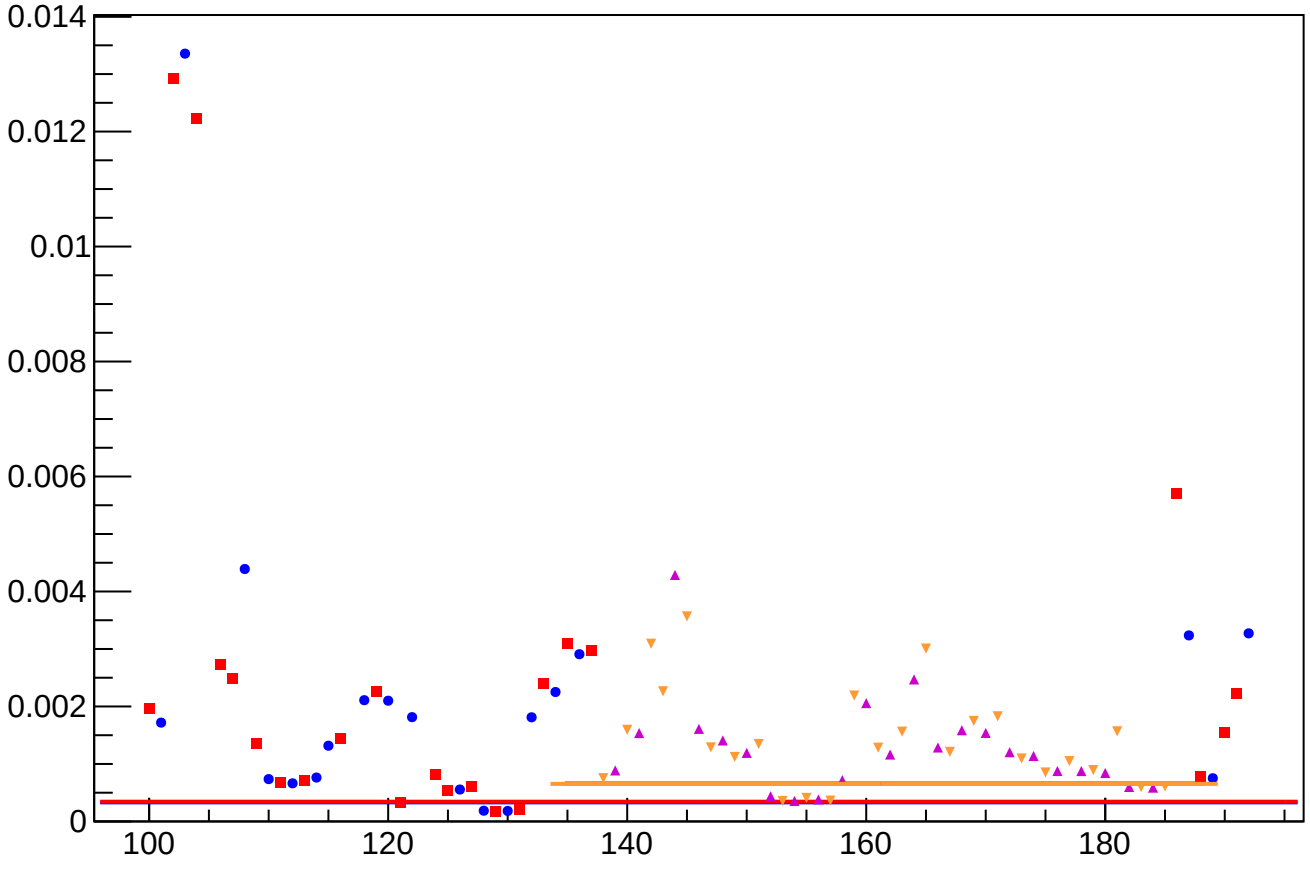
Right: 0.000+/-0.000 χ^2/NDF: 36.4/41

In: -0.000+/-0.000 χ^2/NDF:36.0/41

Out: 0.000+/-0.000 χ^2/NDF:72.1/47

All: 0.000+/-0.000 χ^2/NDF: 112.0/89

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 9862065.3/22

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

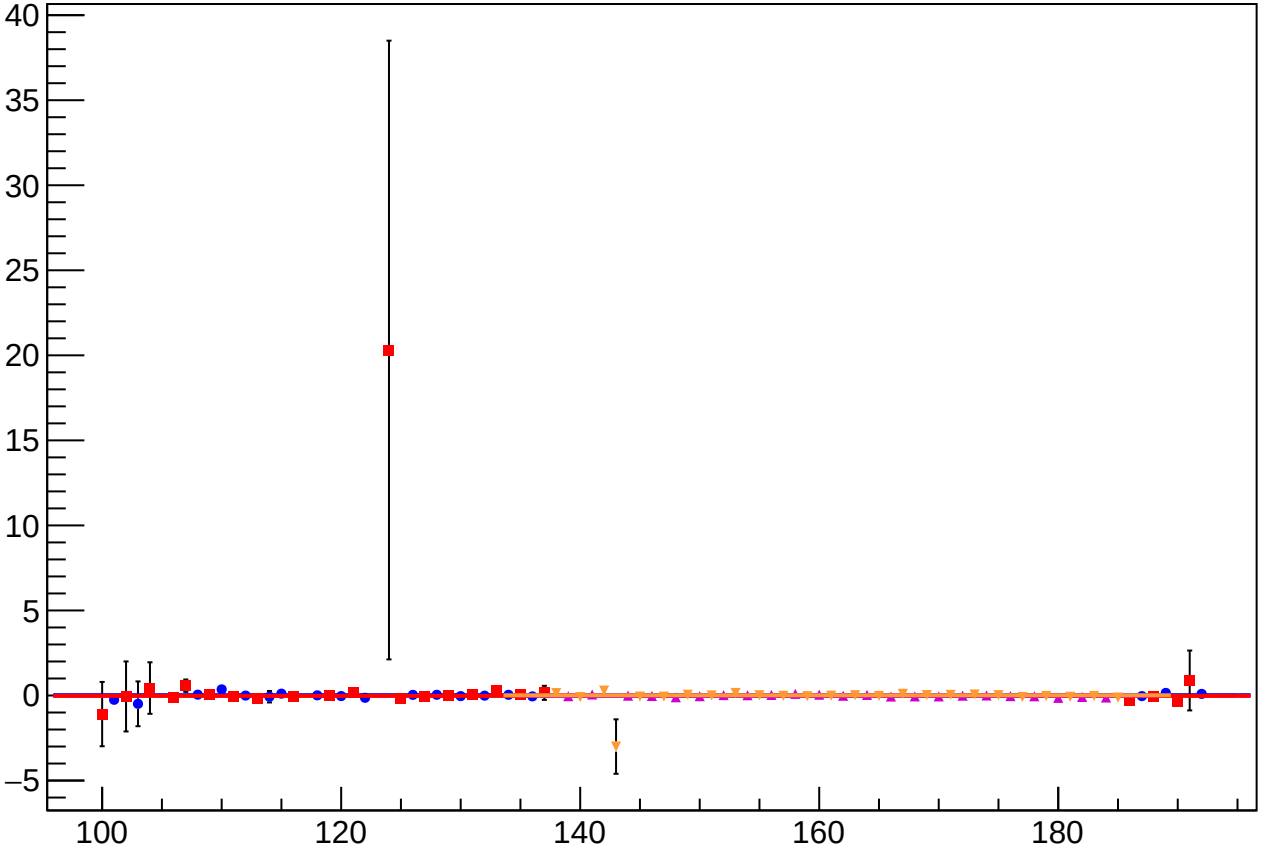
Right: 0.000+/-0.000 χ^2/NDF: 20708828.1/41

In: 0.000+/-0.000 χ^2/NDF:23561469.0/41

Out: 0.001+/-0.000 χ^2/NDF:24733835.6/47

All: 0.001+/-0.000 χ^2/NDF: 48297091.6/89

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: -0.024+/-0.025 χ^2/NDF: 22.3/22

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

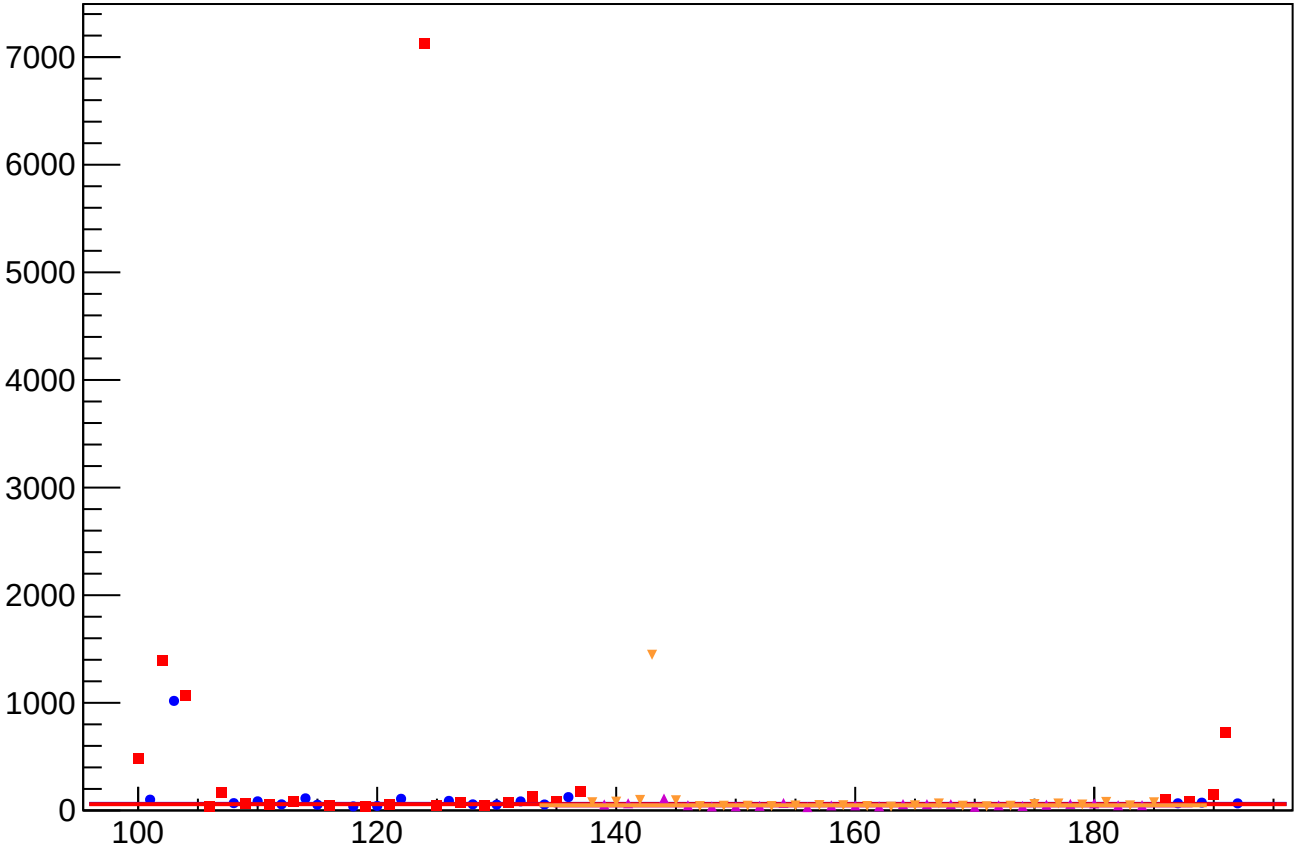
Right: -0.003+/-0.017 χ^2/NDF: 37.6/41

In: -0.011+/-0.011 χ^2/NDF:36.0/41

Out: 0.004+/-0.011 χ^2/NDF:53.5/47

All: -0.003+/-0.008 χ^2/NDF: 90.4/89

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: 58.264+/-0.017 χ^2/NDF: 4359978.7/22

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

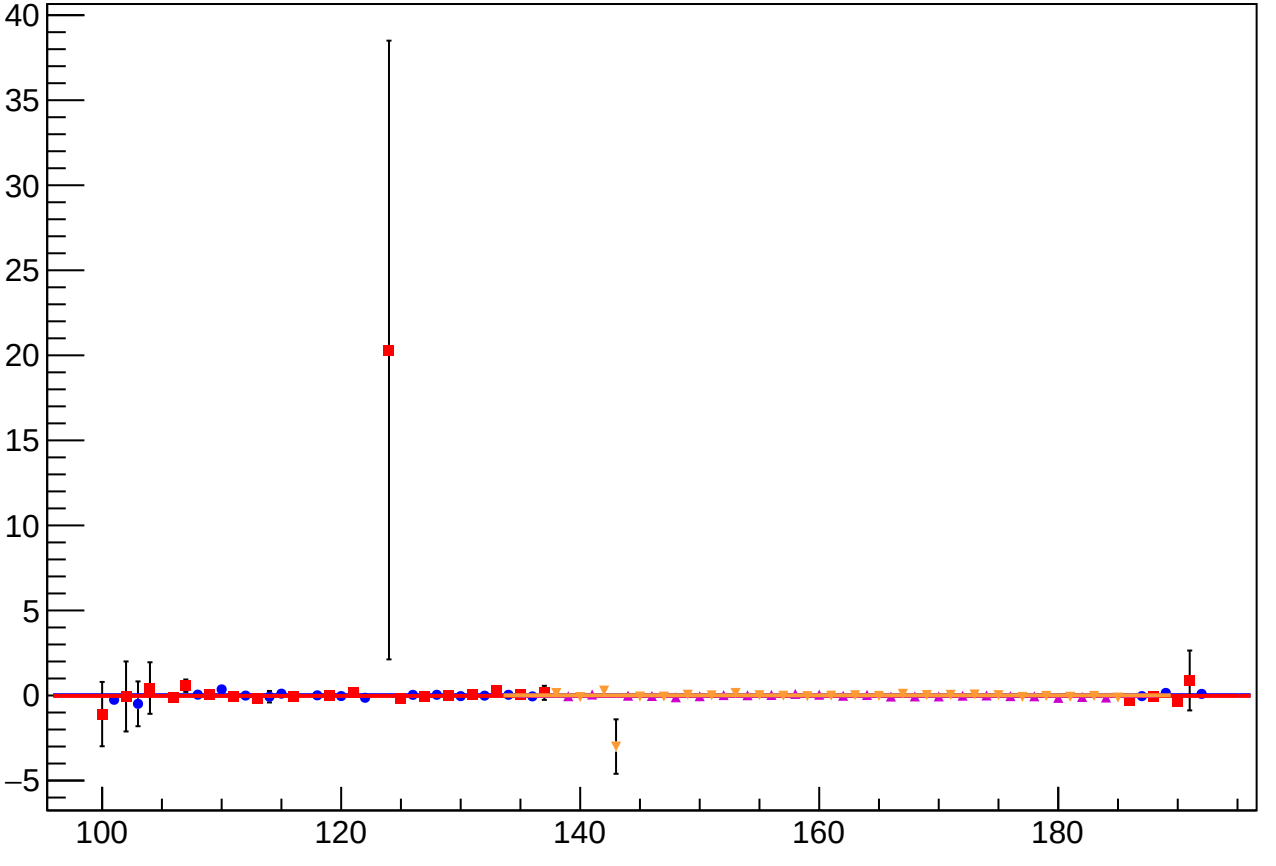
Right: 59.671+/-0.012 χ^2/NDF: 6940298.0/41

In: 49.667+/-0.008 χ^2/NDF:5064434.1/41

Out: 50.021+/-0.008 χ^2/NDF:8140254.1/47

All: 49.842+/-0.006 χ^2/NDF: 13205716.3/89

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: -0.024+/-0.025 χ^2/NDF: 22.3/22

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

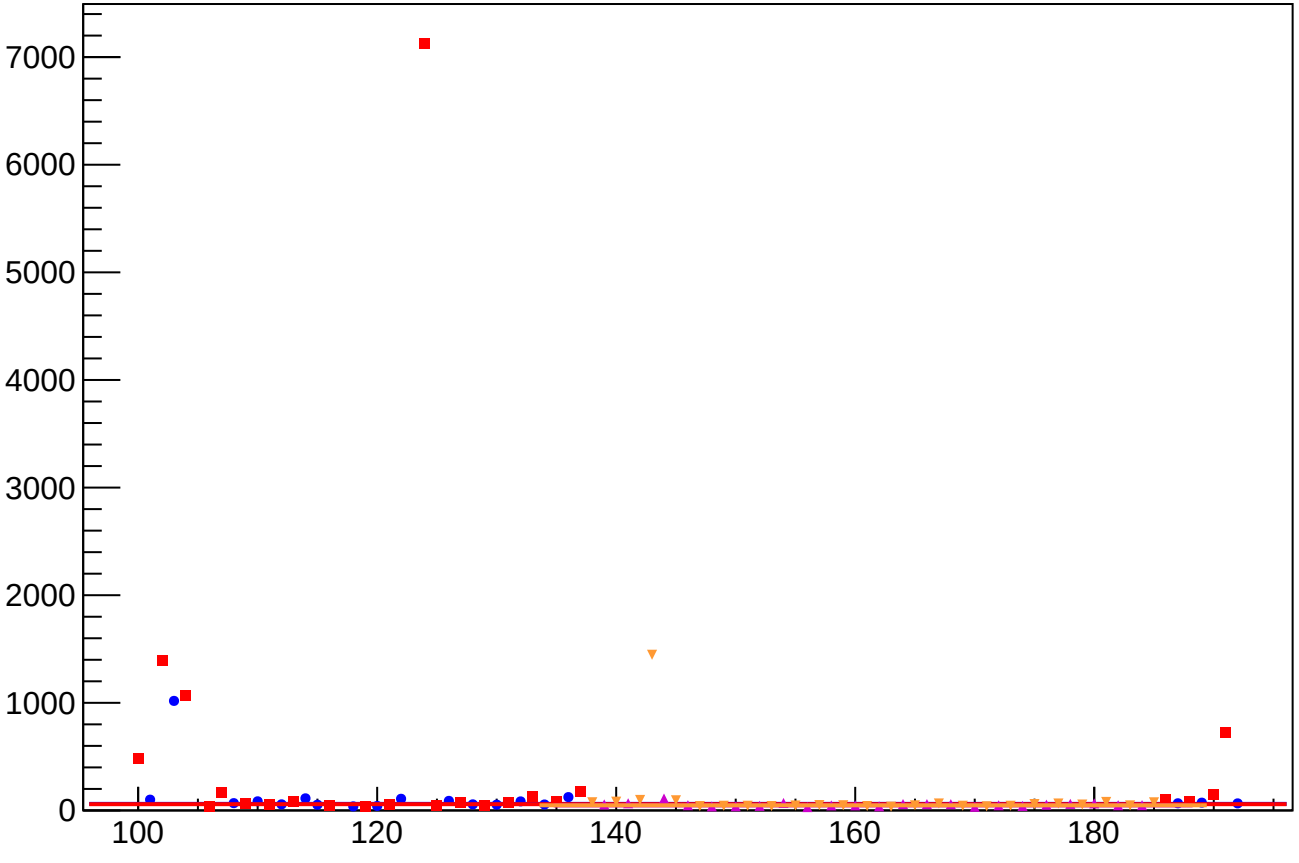
Right: -0.003+/-0.017 χ^2/NDF: 37.6/41

In: -0.011+/-0.011 χ^2/NDF:36.0/41

Out: 0.004+/-0.011 χ^2/NDF:53.5/47

All: -0.003+/-0.008 χ^2/NDF: 90.4/89

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: 58.264+/-0.017 χ^2/NDF: 4359978.7/22

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

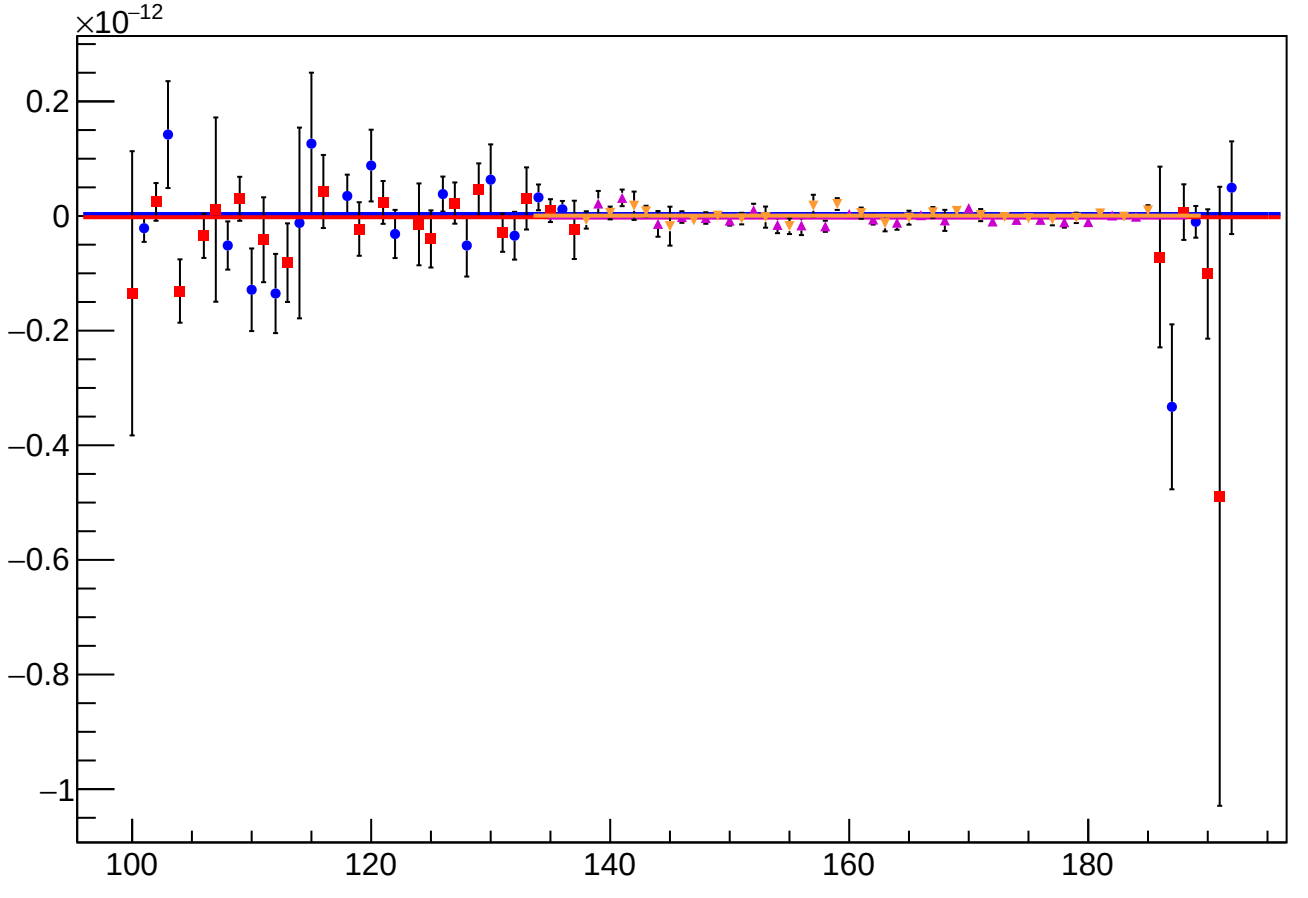
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 59.671+/-0.012 χ^2/NDF: 6940298.0/41

In: 49.667+/-0.008 χ^2/NDF:5064434.1/41

Out: 50.021+/-0.008 χ^2/NDF:8140254.1/47

All: 49.842+/-0.006 χ^2/NDF: 13205716.3/89



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: 16.1/22

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

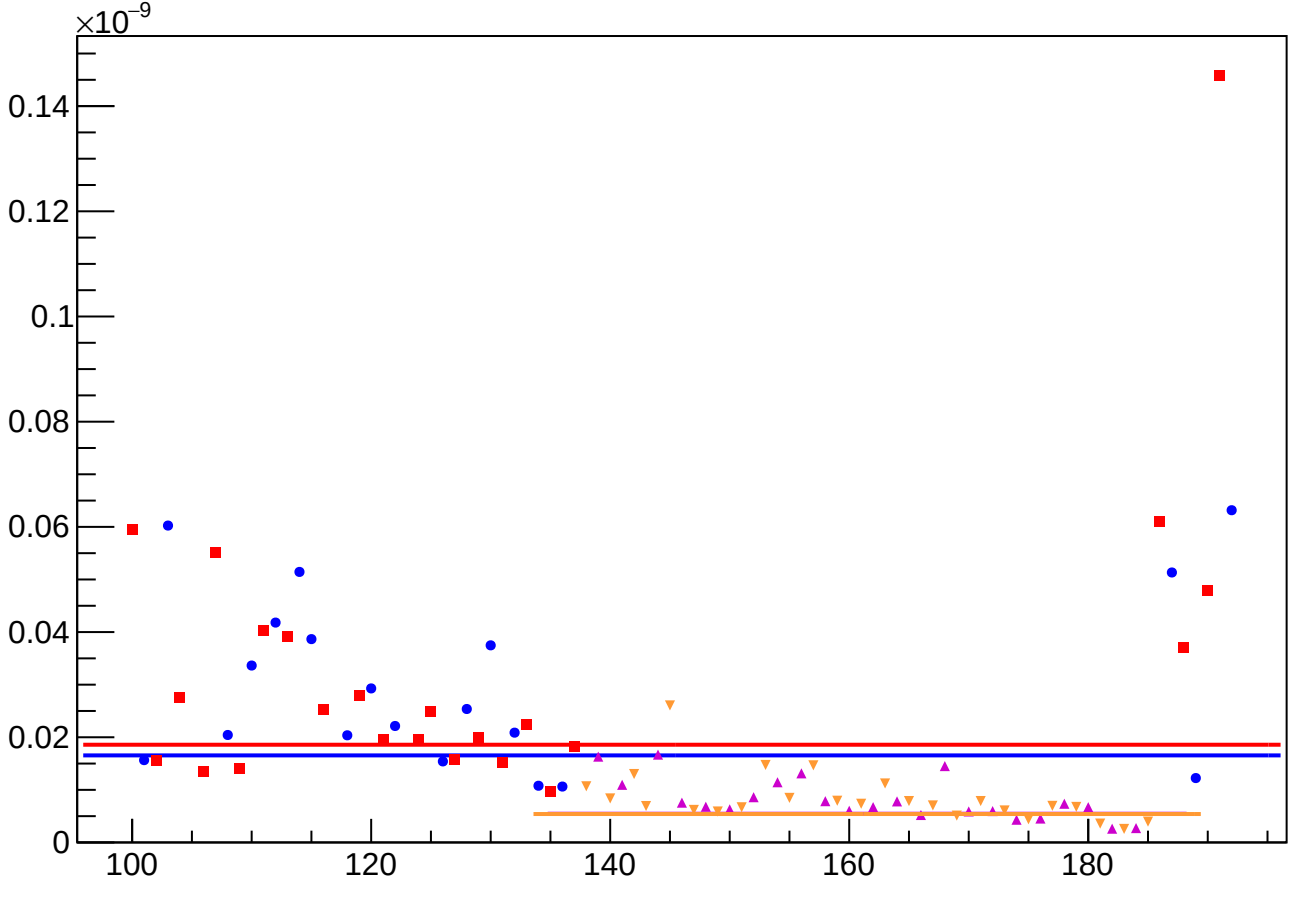
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 45.0/41

In: -0.000+/-0.000 χ^2/NDF:51.0/41

Out: 0.000+/-0.000 χ^2/NDF:31.3/47

All: -0.000+/-0.000 χ^2/NDF: 83.8/89



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: 1907151.8/22

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

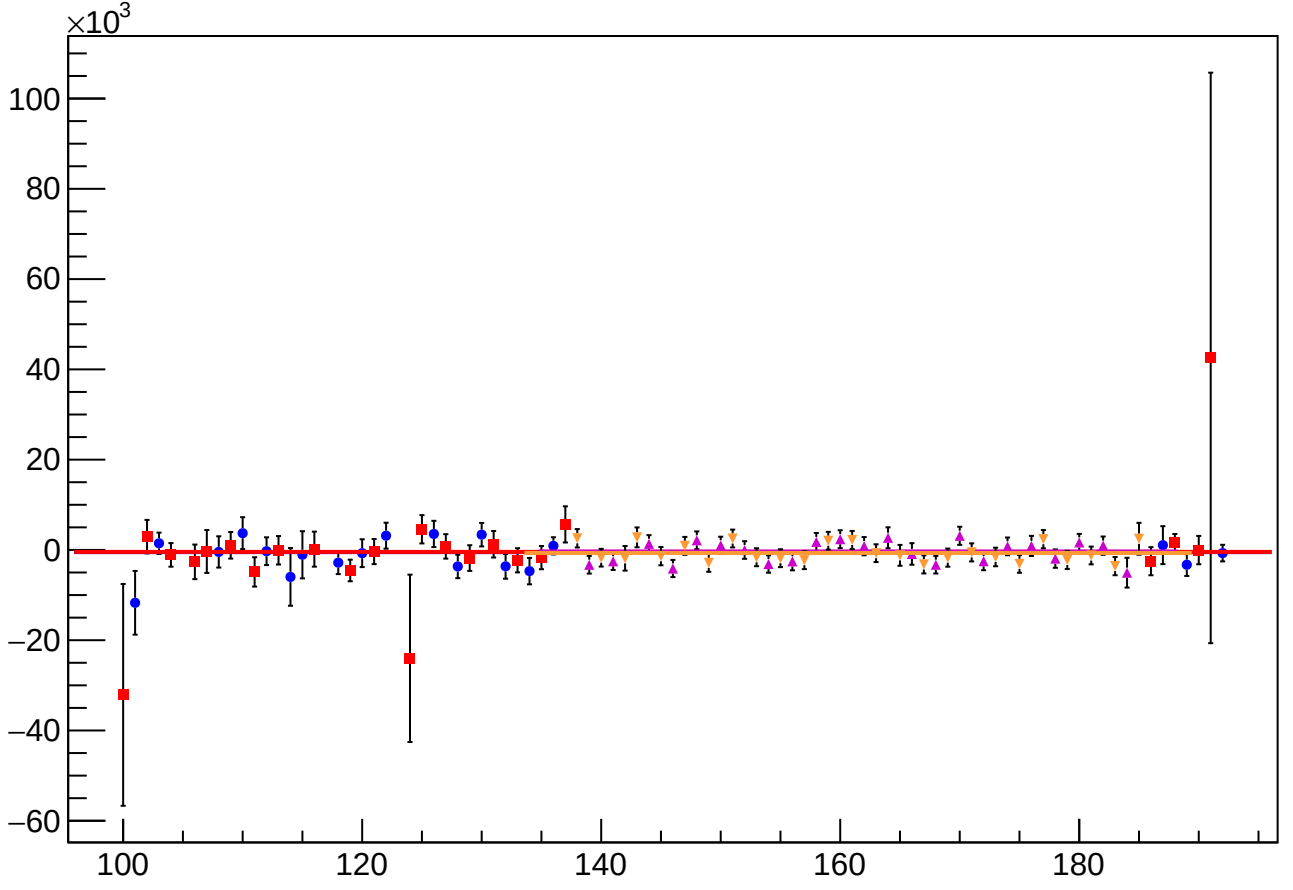
Right: 0.000+/-0.000 χ^2/NDF: 4685075.0/41

In: 0.000+/-0.000 χ^2/NDF:11130053.4/41

Out: 0.000+/-0.000 χ^2/NDF:10744737.1/47

All: 0.000+/-0.000 χ^2/NDF: 21881674.4/89

reg_asym_at1_dd_mean vs Slug, Sign Corrected



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: -433.714+/-656.774 χ^2/NDF: 18.0/22

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

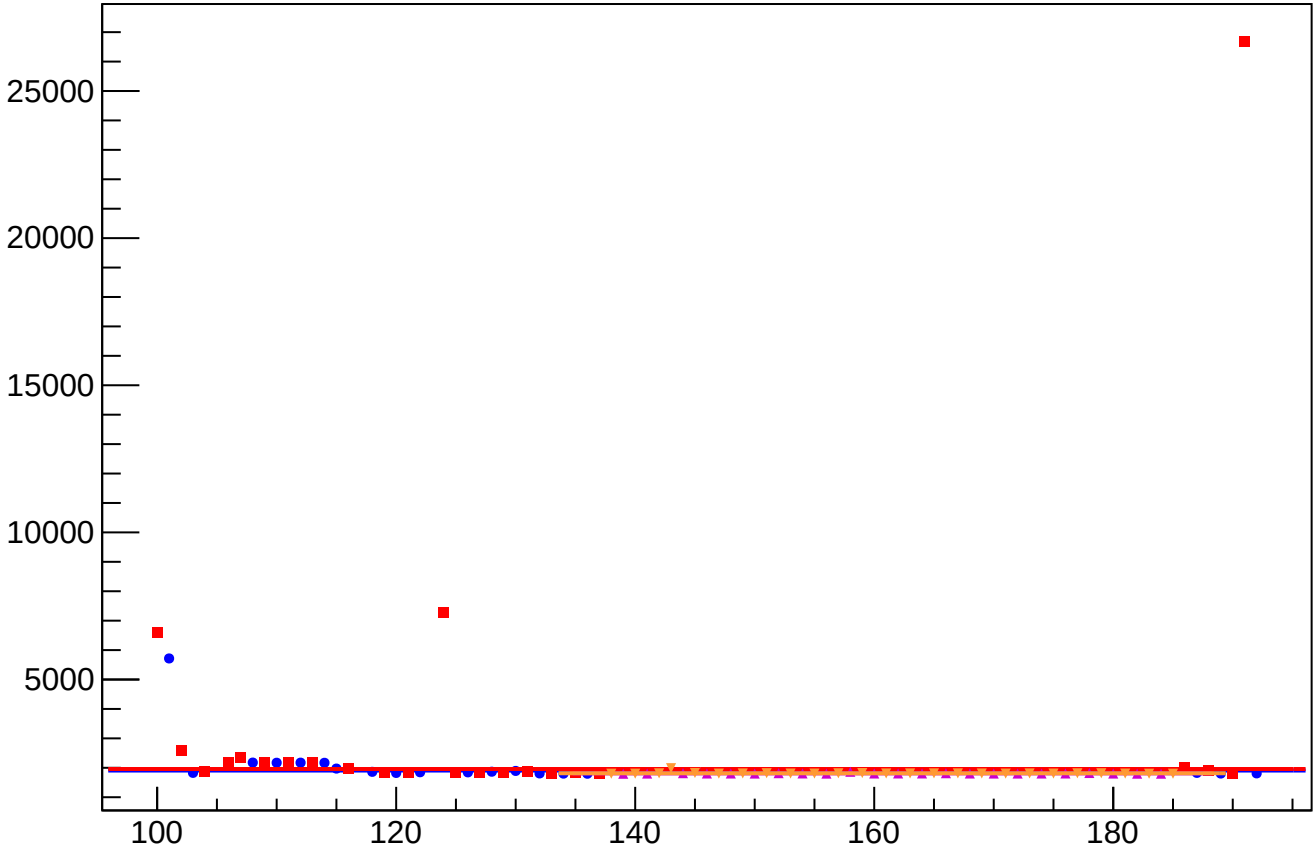
Right: -459.843+/-462.018 χ^2/NDF: 36.8/41

In: -385.293+/-354.377 χ^2/NDF:48.9/41

Out: -603.257+/-349.138 χ^2/NDF:42.8/47

All: -495.898+/-248.709 χ^2/NDF: 91.9/89

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: 1958.825+/-0.464 χ^2/NDF: 694272.2/22

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

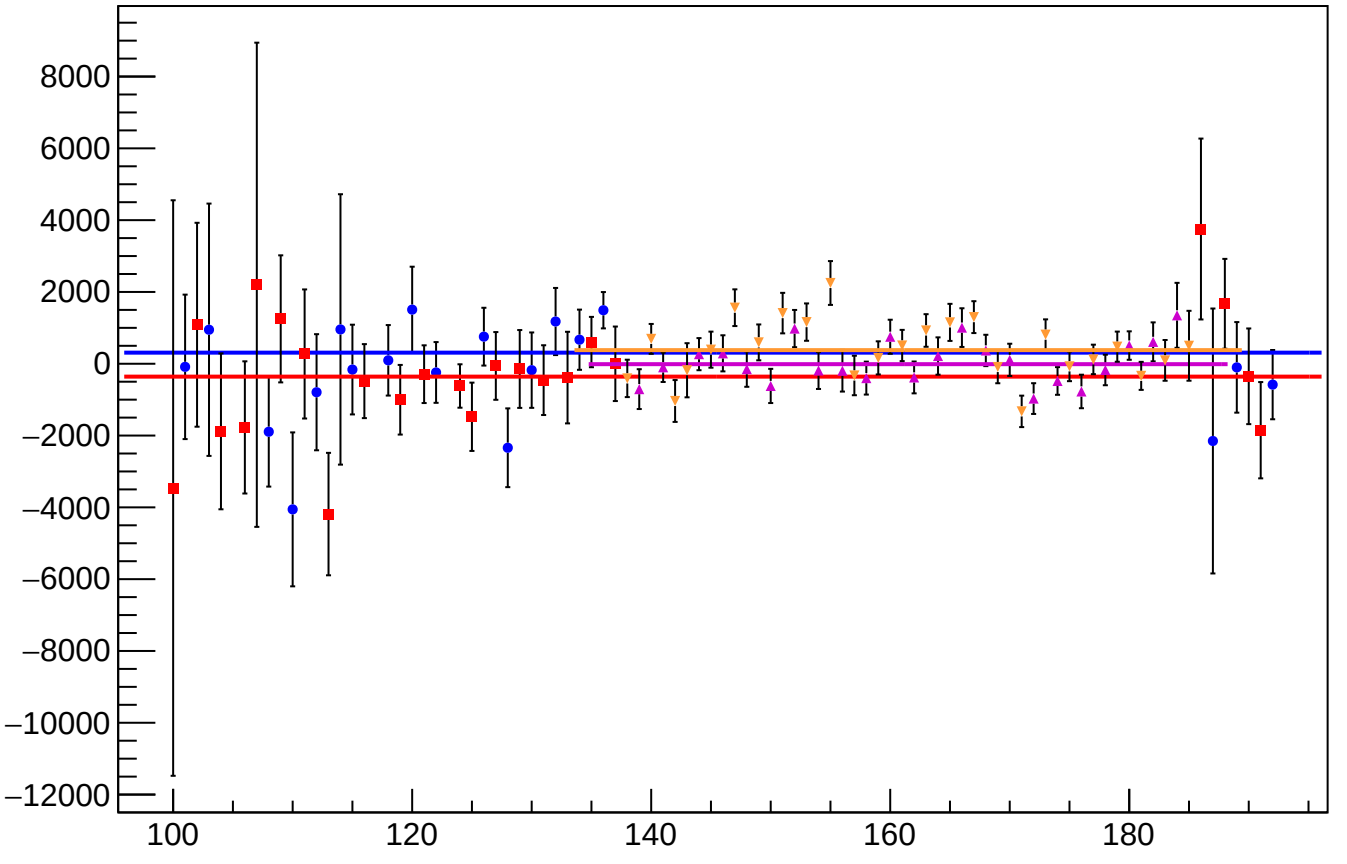
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1932.767+/-0.327 χ^2/NDF: 1352824.6/41

In: 1839.219+/-0.251 χ^2/NDF:685442.9/41

Out: 1855.238+/-0.247 χ^2/NDF:776723.5/47

All: 1847.348+/-0.176 χ^2/NDF: 1464240.2/89



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: -358.517+/-238.633 χ^2/NDF: 18.3/22

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

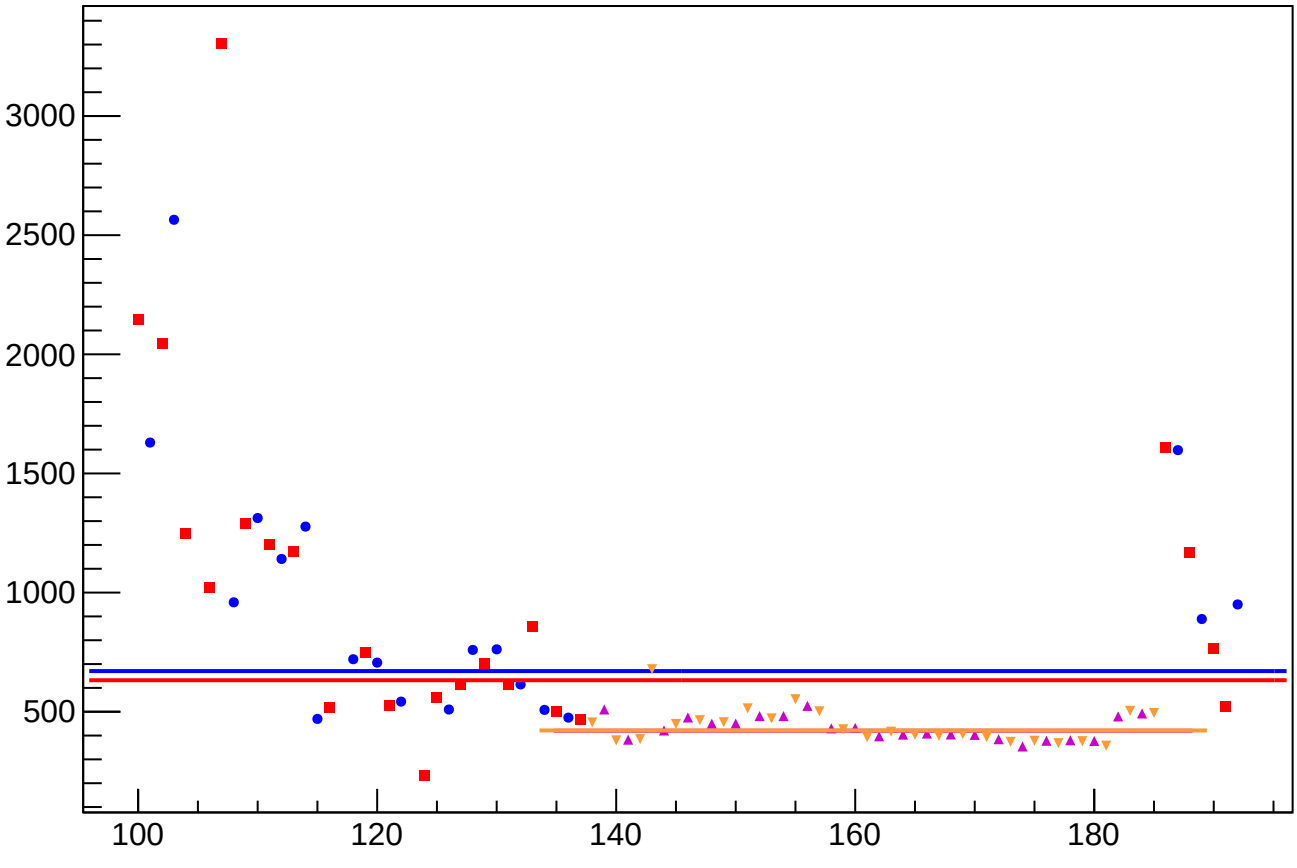
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: -32.667+/-170.763 χ^2/NDF: 44.8/41

In: 33.656+/-91.742 χ^2/NDF:55.3/41

Out: 274.700+/-89.870 χ^2/NDF:88.9/47

All: 156.662+/-64.199 χ^2/NDF: 147.6/89



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: 632.179+/-0.169 χ^2/NDF: 3677416.8/22

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

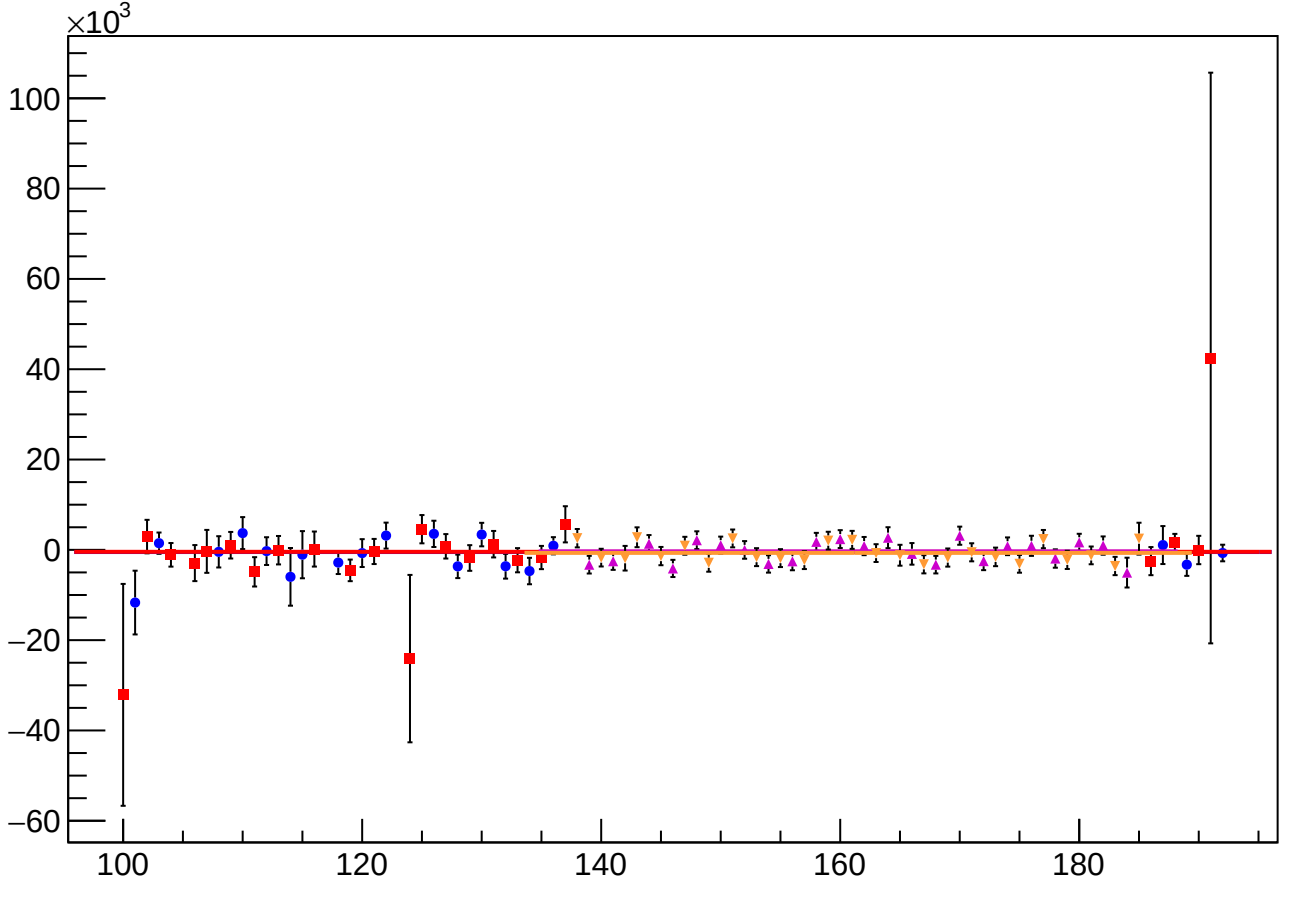
Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

Right: 650.890+/-0.121 χ^2/NDF: 6158175.4/41

In: 455.474+/-0.065 χ^2/NDF:4670102.5/41

Out: 451.309+/-0.064 χ^2/NDF:5759304.3/47

All: 453.349+/-0.045 χ^2/NDF: 10431509.5/89



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: -437.002+/-657.537 χ^2/NDF: 18.0/22

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

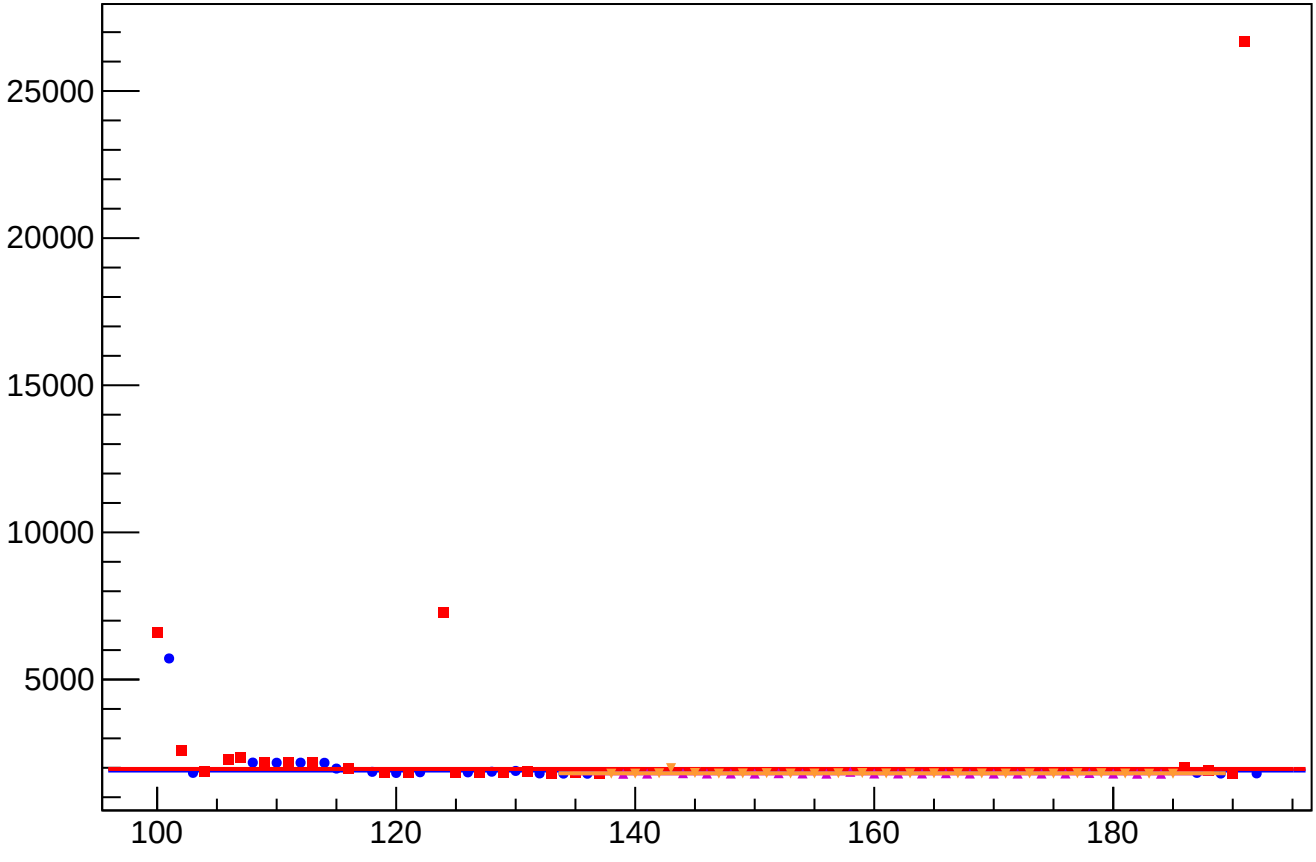
Right: -461.173+/-462.283 χ^2/NDF: 36.8/41

In: -385.132+/-354.377 χ^2/NDF:48.9/41

Out: -604.288+/-349.252 χ^2/NDF:42.9/47

All: -496.307+/-248.751 χ^2/NDF: 91.9/89

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: 1960.516+/-0.465 χ^2/NDF: 699237.4/22

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

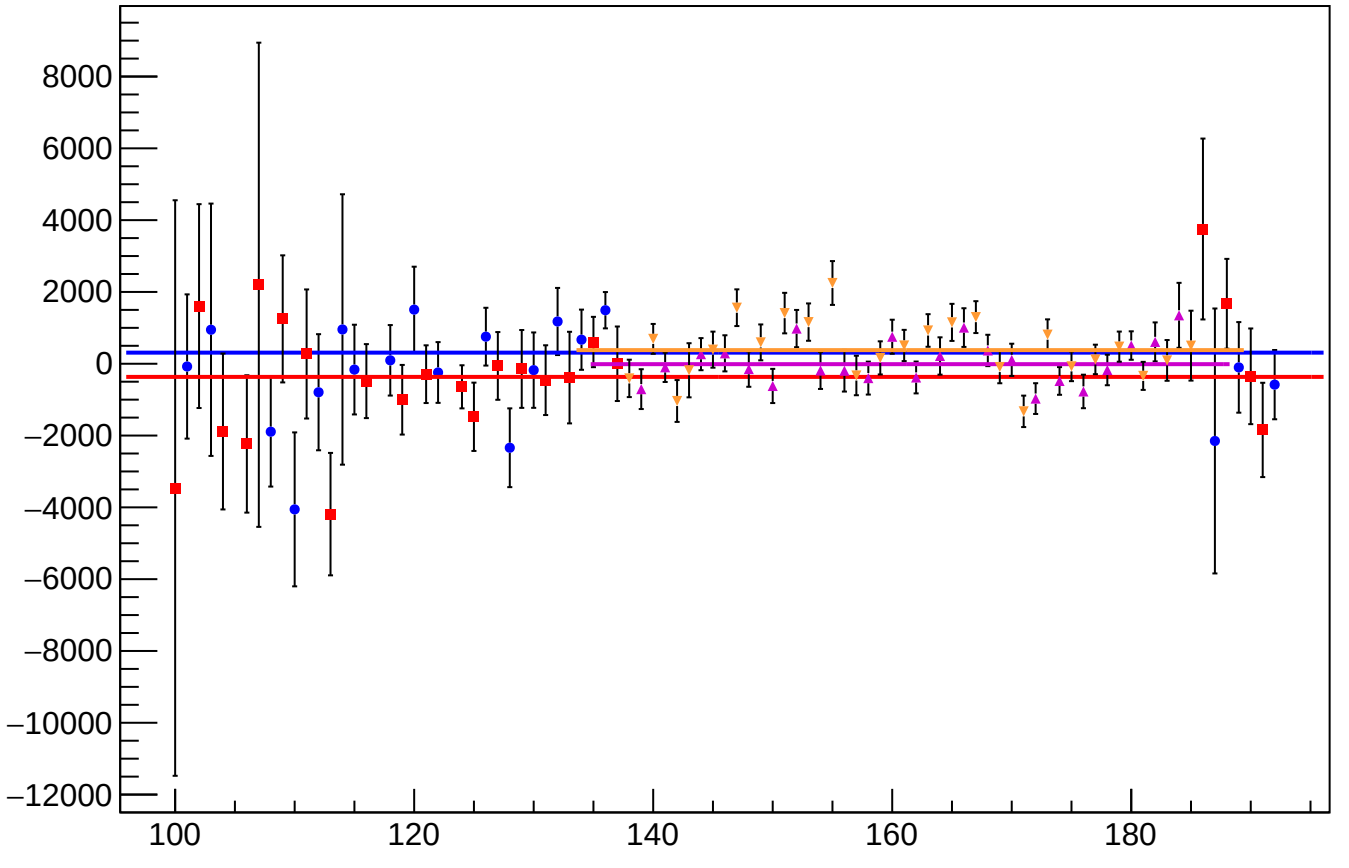
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1933.573+/-0.327 χ^2/NDF: 1358197.4/41

In: 1839.219+/-0.251 χ^2/NDF:685442.8/41

Out: 1855.648+/-0.247 χ^2/NDF:783204.9/47

All: 1847.553+/-0.176 χ^2/NDF: 1470828.1/89



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: -366.237+/-238.347 χ^2/NDF: 19.0/22

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

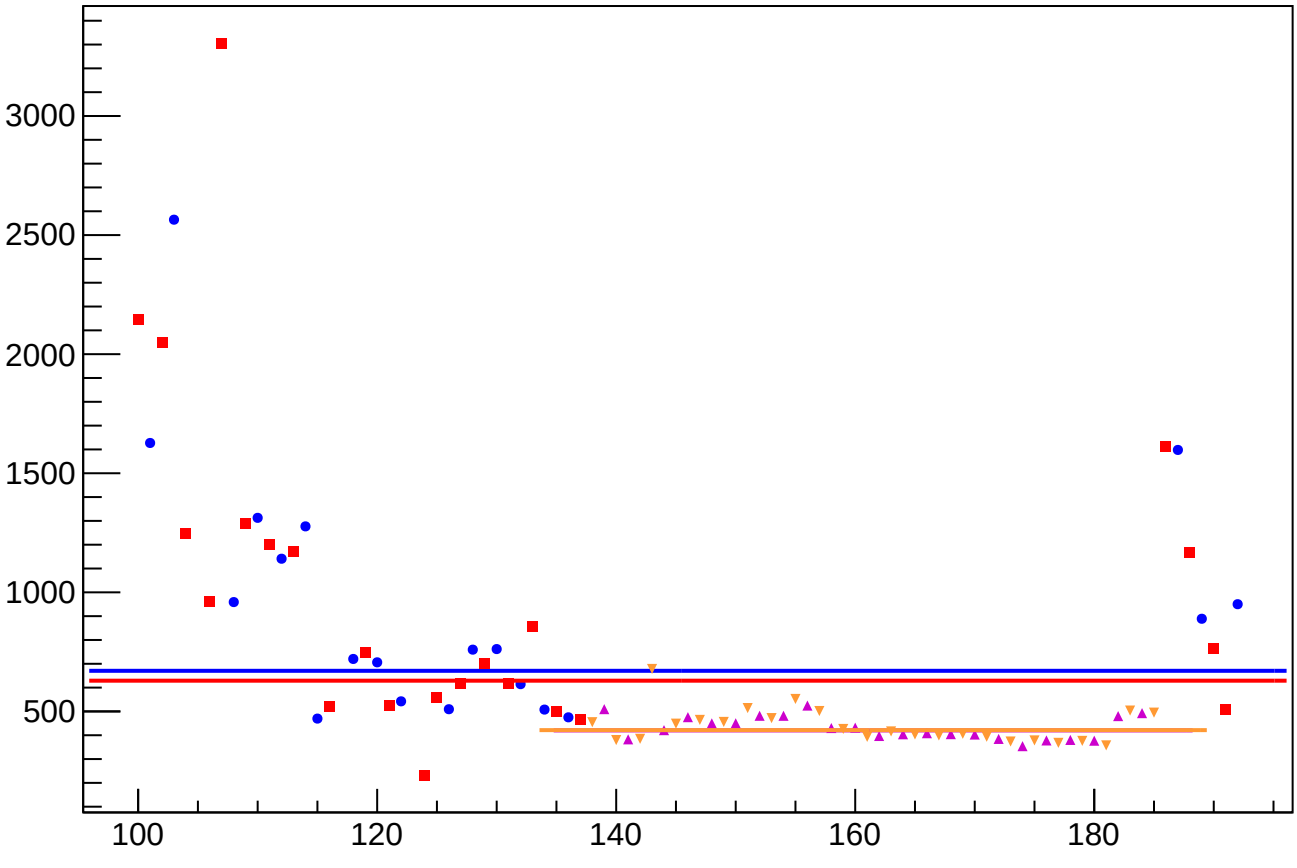
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -36.986+/-170.655 χ^2/NDF: 45.6/41

In: 33.656+/-91.741 χ^2/NDF:55.3/41

Out: 273.377+/-89.856 χ^2/NDF:89.7/47

All: 156.005+/-64.194 χ^2/NDF: 148.5/89



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: 629.047+/-0.169 χ^2/NDF: 3673943.4/22

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

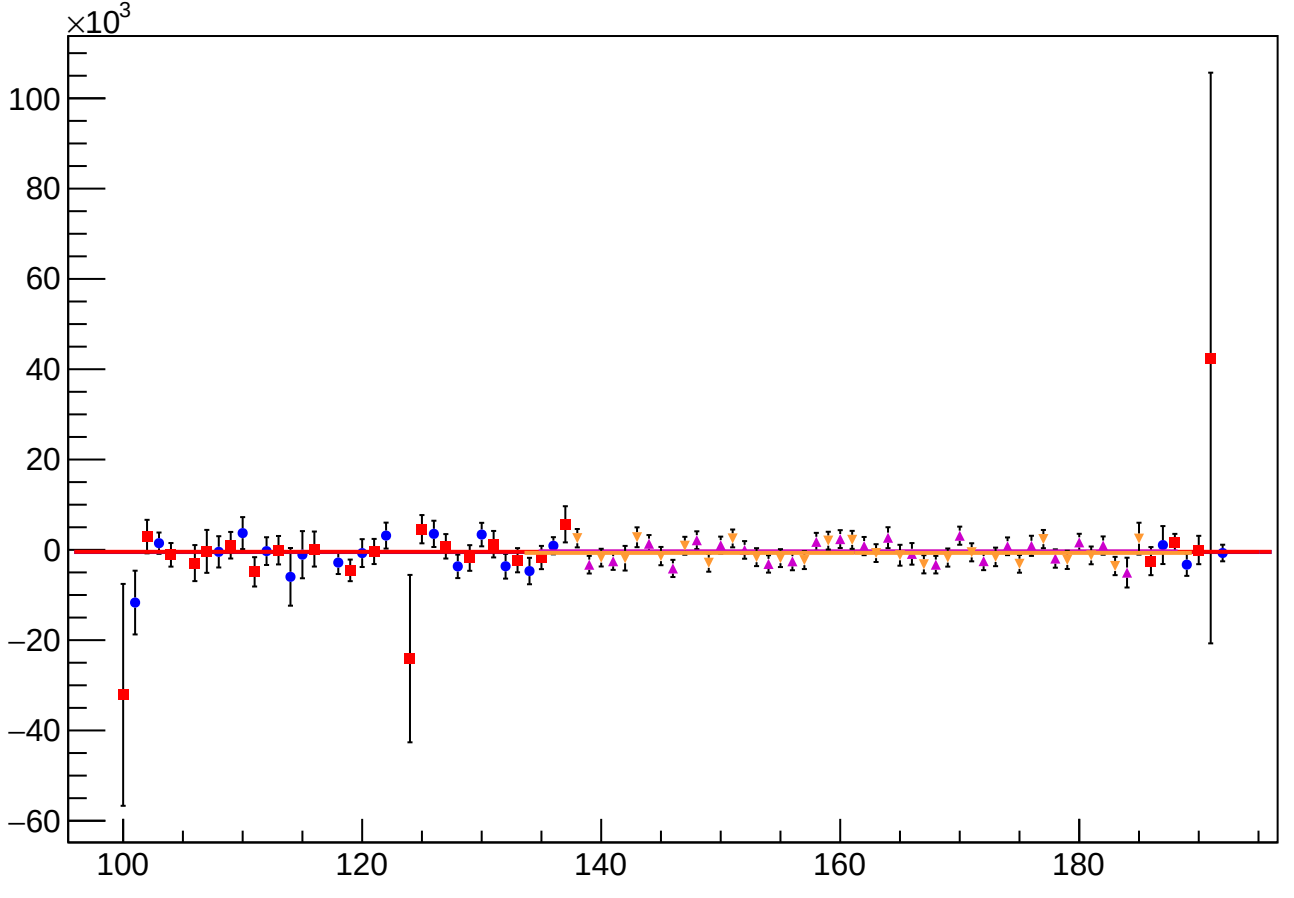
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 649.261+/-0.121 χ^2/NDF: 6158166.5/41

In: 455.471+/-0.065 χ^2/NDF:4669414.9/41

Out: 450.929+/-0.064 χ^2/NDF:5718916.9/47

All: 453.153+/-0.045 χ^2/NDF: 10390834.1/89



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: -437.002+/-657.537 χ^2/NDF: 18.0/22

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

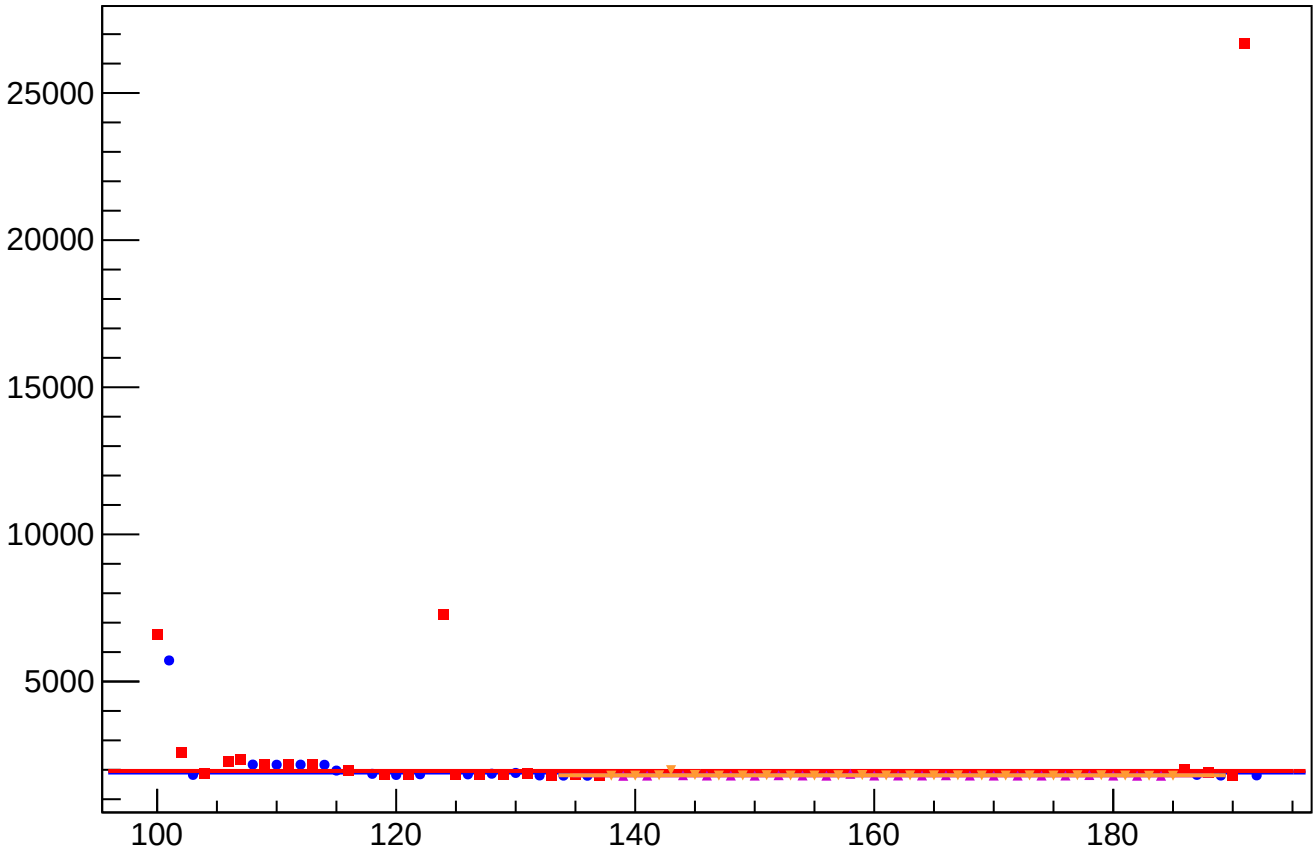
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -461.173+/-462.283 χ^2/NDF: 36.8/41

In: -385.132+/-354.377 χ^2/NDF:48.9/41

Out: -604.288+/-349.252 χ^2/NDF:42.9/47

All: -496.307+/-248.751 χ^2/NDF: 91.9/89



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: 1960.516+/-0.465 χ^2/NDF: 699237.4/22

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

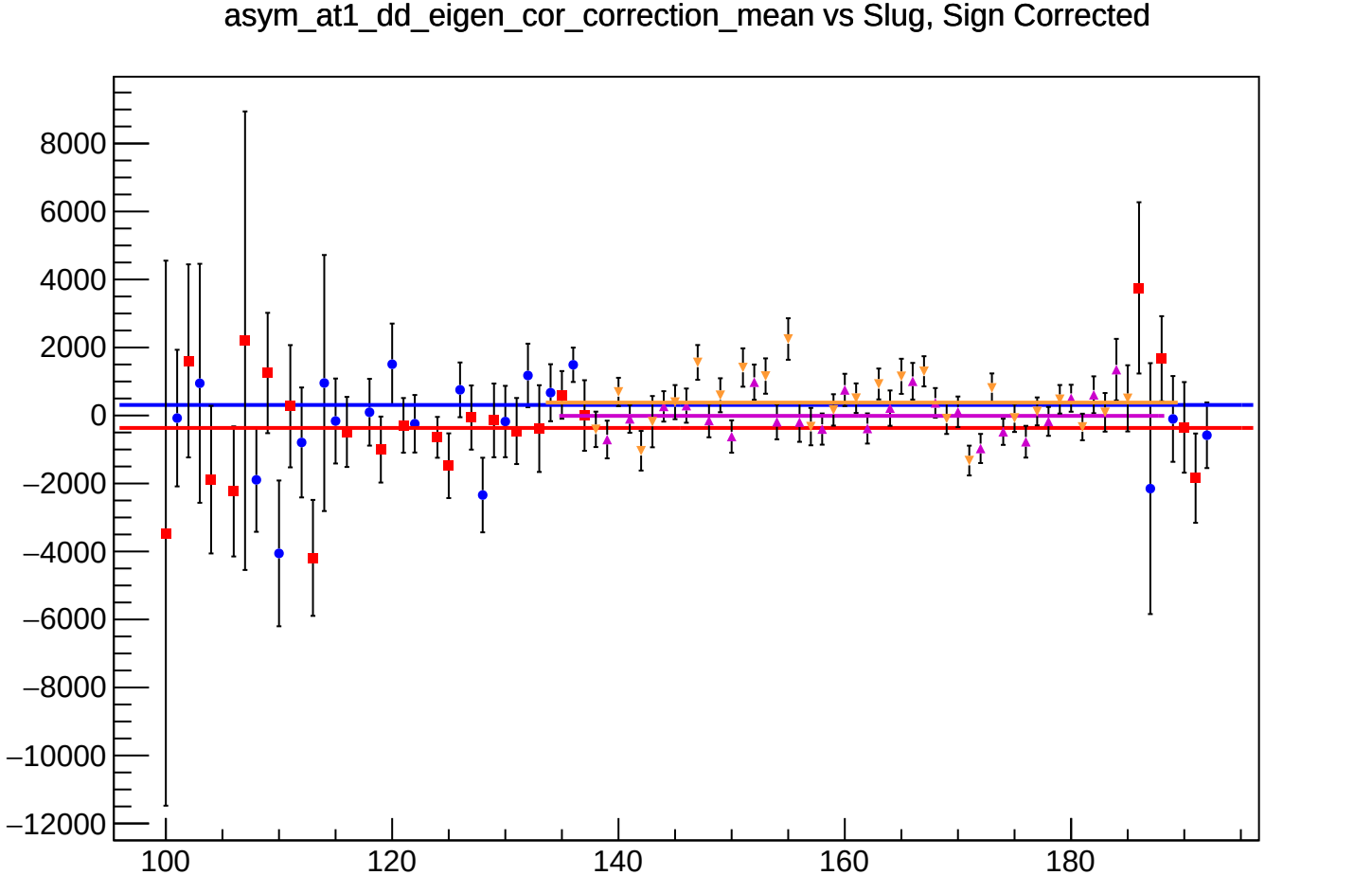
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1933.573+/-0.327 χ^2/NDF: 1358197.4/41

In: 1839.219+/-0.251 χ^2/NDF:685442.8/41

Out: 1855.648+/-0.247 χ^2/NDF:783204.9/47

All: 1847.553+/-0.176 χ^2/NDF: 1470828.1/89



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: -366.237+/-238.347 χ^2/NDF: 19.0/22

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

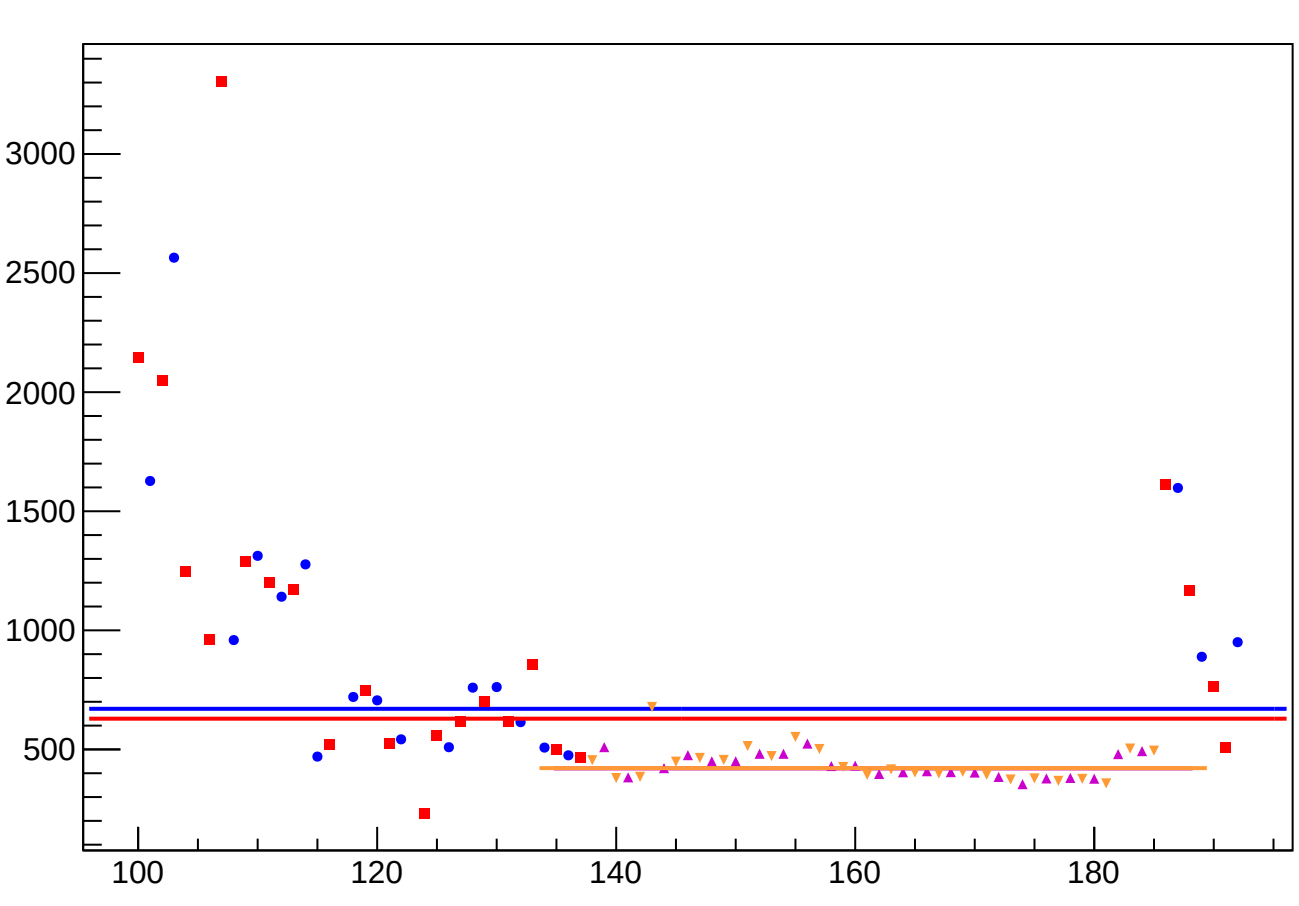
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -36.986+/-170.655 χ^2/NDF: 45.6/41

In: 33.656+/-91.741 χ^2/NDF:55.3/41

Out: 273.377+/-89.856 χ^2/NDF:89.7/47

All: 156.005+/-64.194 χ^2/NDF: 148.5/89



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: 629.047+/-0.169 χ^2/NDF: 3673943.4/22

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

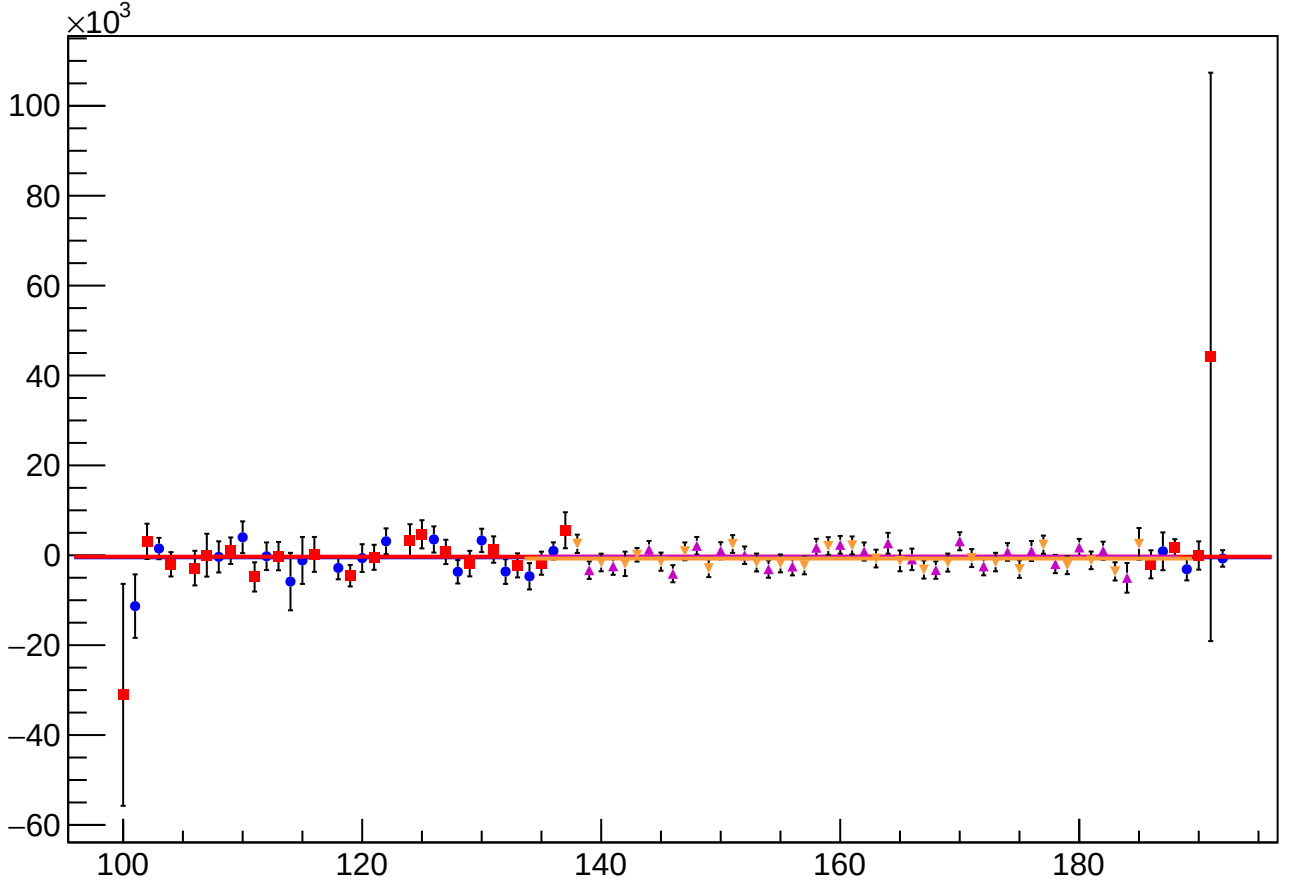
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 649.261+/-0.121 χ^2/NDF: 6158166.5/41

In: 455.471+/-0.065 χ^2/NDF:4669414.9/41

Out: 450.929+/-0.064 χ^2/NDF:5718916.9/47

All: 453.153+/-0.045 χ^2/NDF: 10390834.1/89



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: -320.896+/-649.437 χ^2/NDF: 17.5/22

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

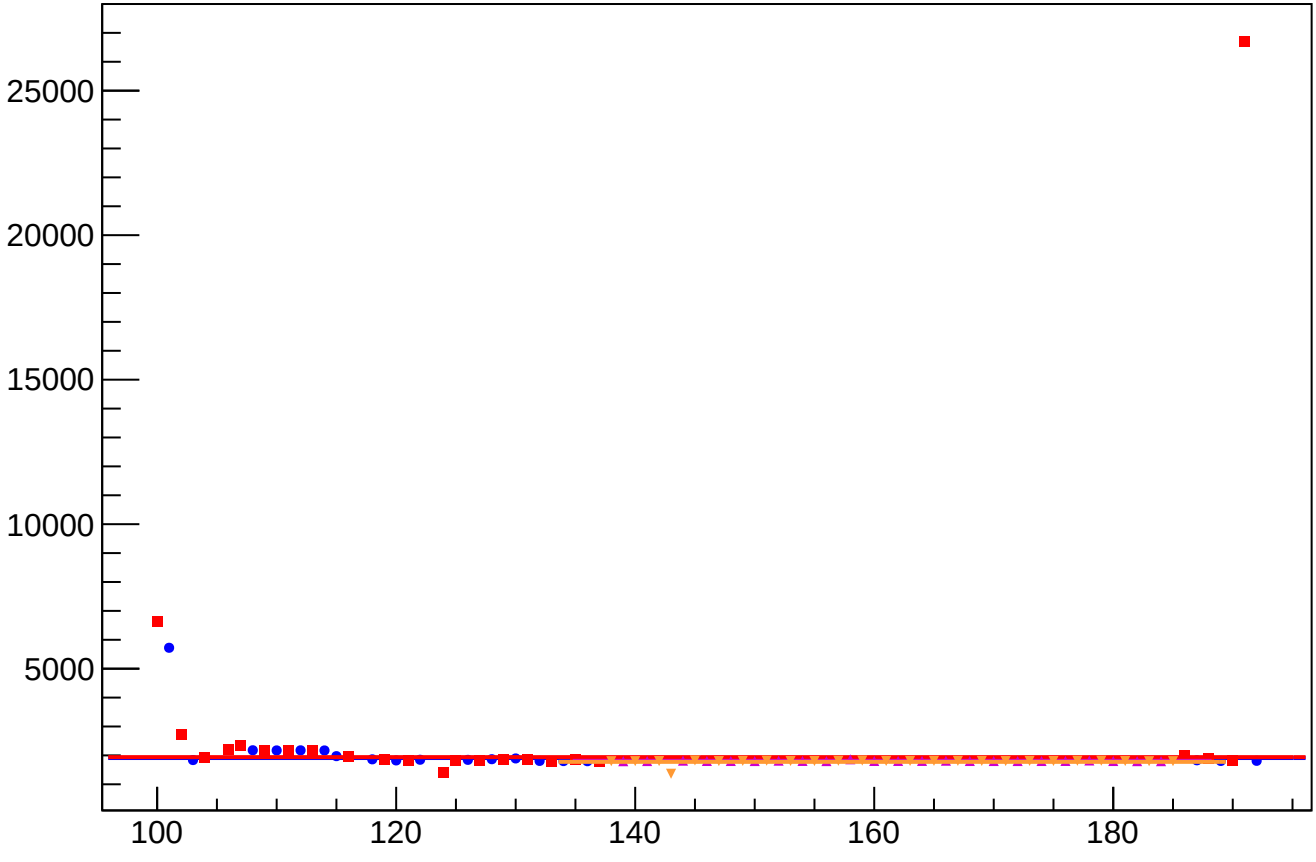
Right: -387.096+/-459.690 χ^2/NDF: 36.0/41

In: -374.575+/-354.577 χ^2/NDF:48.1/41

Out: -611.743+/-343.297 χ^2/NDF:40.0/47

All: -496.992+/-246.639 χ^2/NDF: 88.3/89

dit_asym_at1_dd_rms vs Slug, Sign Corrected



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: 1939.755+/-0.459 χ^2/NDF: 590674.7/22

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

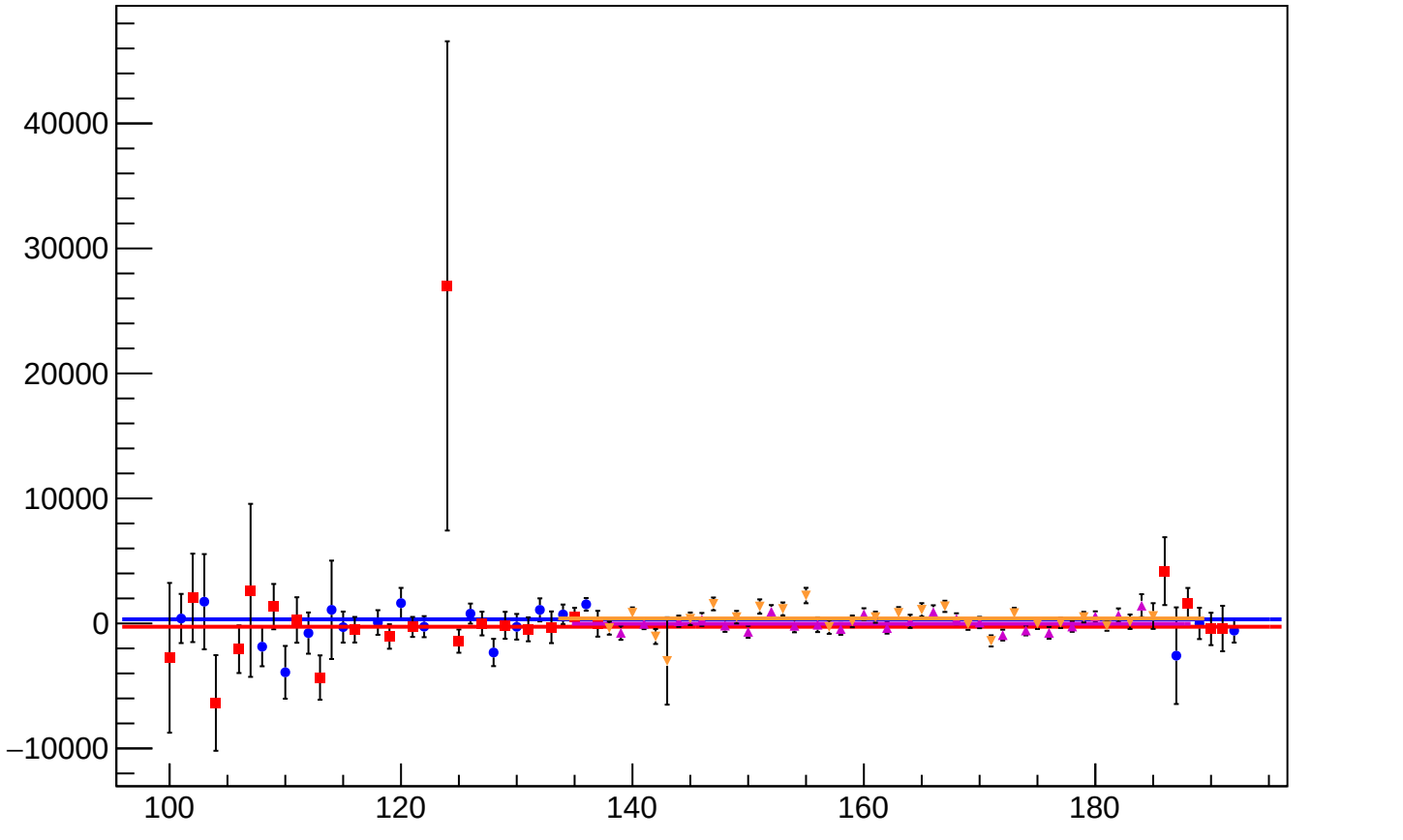
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1924.450+/-0.325 χ^2/NDF: 1245004.6/41

In: 1840.177+/-0.251 χ^2/NDF:685959.3/41

Out: 1822.277+/-0.243 χ^2/NDF:842791.8/47

All: 1830.938+/-0.174 χ^2/NDF: 1531381.9/89



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: -264.911+/-262.885 χ^2/NDF: 21.0/22

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

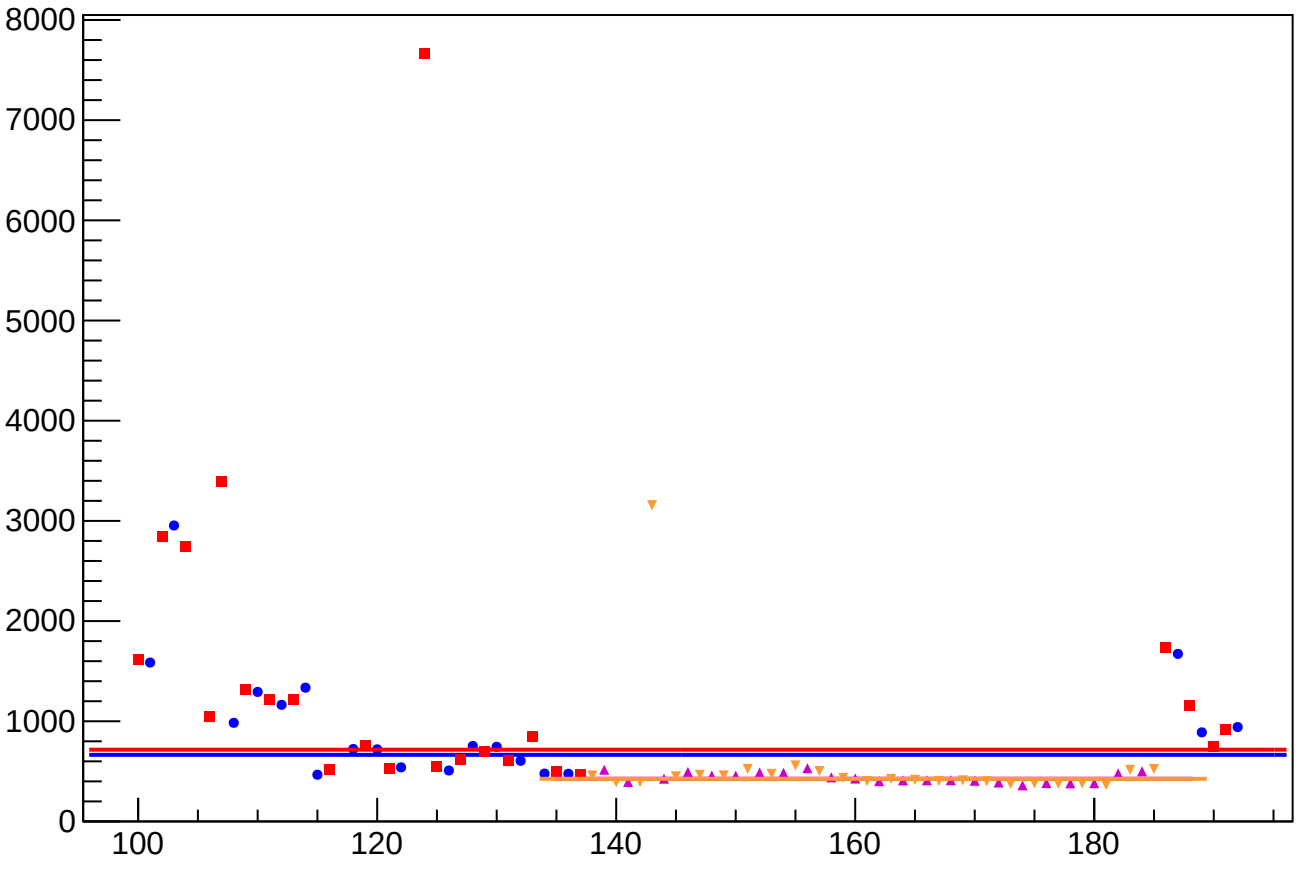
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: 55.811+/-178.356 χ^2/NDF: 46.9/41

In: 29.661+/-92.672 χ^2/NDF:55.8/41

Out: 315.658+/-92.783 χ^2/NDF:87.1/47

All: 172.488+/-65.568 χ^2/NDF: 147.6/89



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: 716.360+/-0.186 χ^2/NDF: 3674108.7/22

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

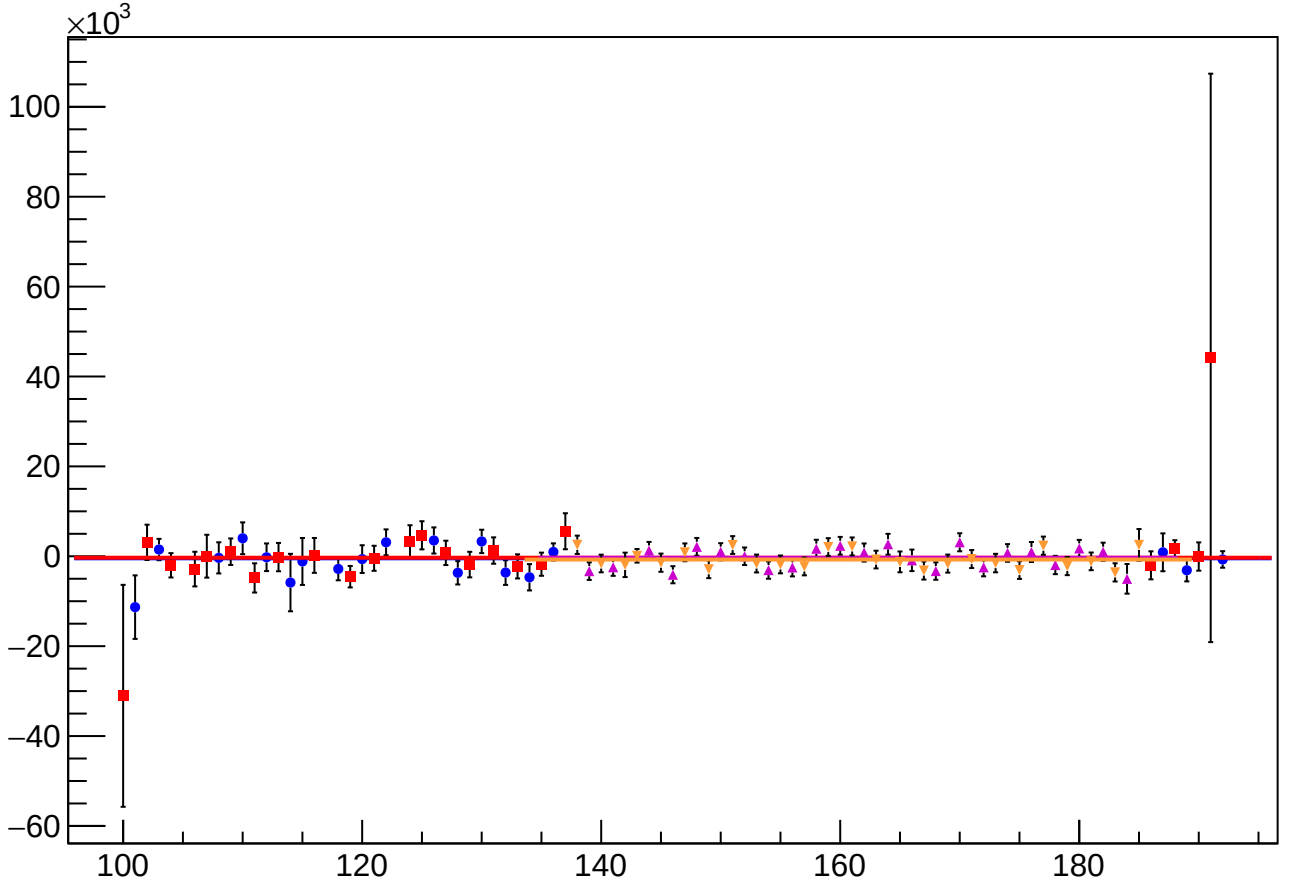
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 688.626+/-0.126 χ^2/NDF: 6352622.2/41

In: 460.943+/-0.066 χ^2/NDF:4706096.6/41

Out: 461.904+/-0.066 χ^2/NDF:7532695.0/47

All: 461.423+/-0.046 χ^2/NDF: 12238899.1/89



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: -320.896+/-649.437 χ^2/NDF: 17.5/22

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

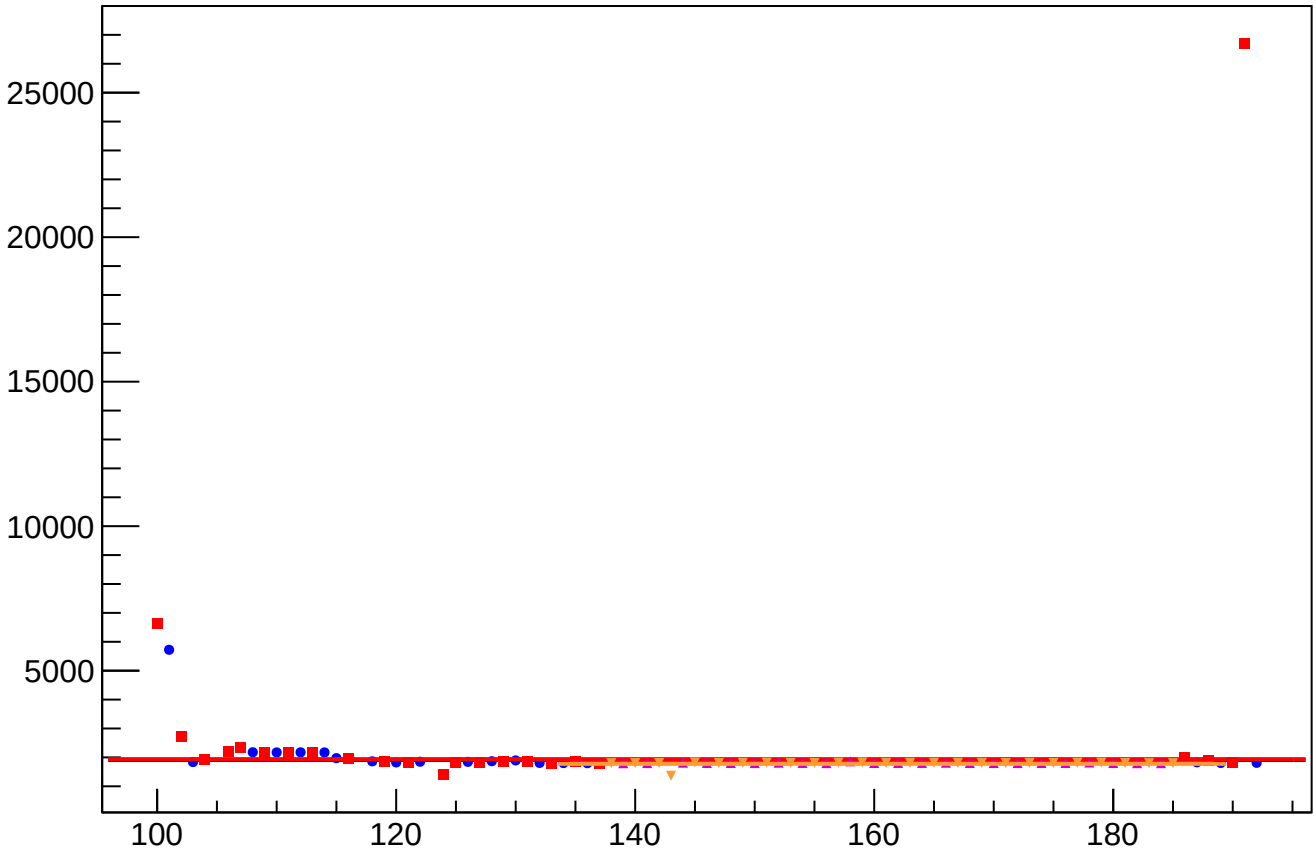
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -387.096+/-459.690 χ^2/NDF: 36.0/41

In: -374.575+/-354.577 χ^2/NDF:48.1/41

Out: -611.743+/-343.297 χ^2/NDF:40.0/47

All: -496.992+/-246.639 χ^2/NDF: 88.3/89



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: 1939.755+/-0.459 χ^2/NDF: 590674.5/22

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

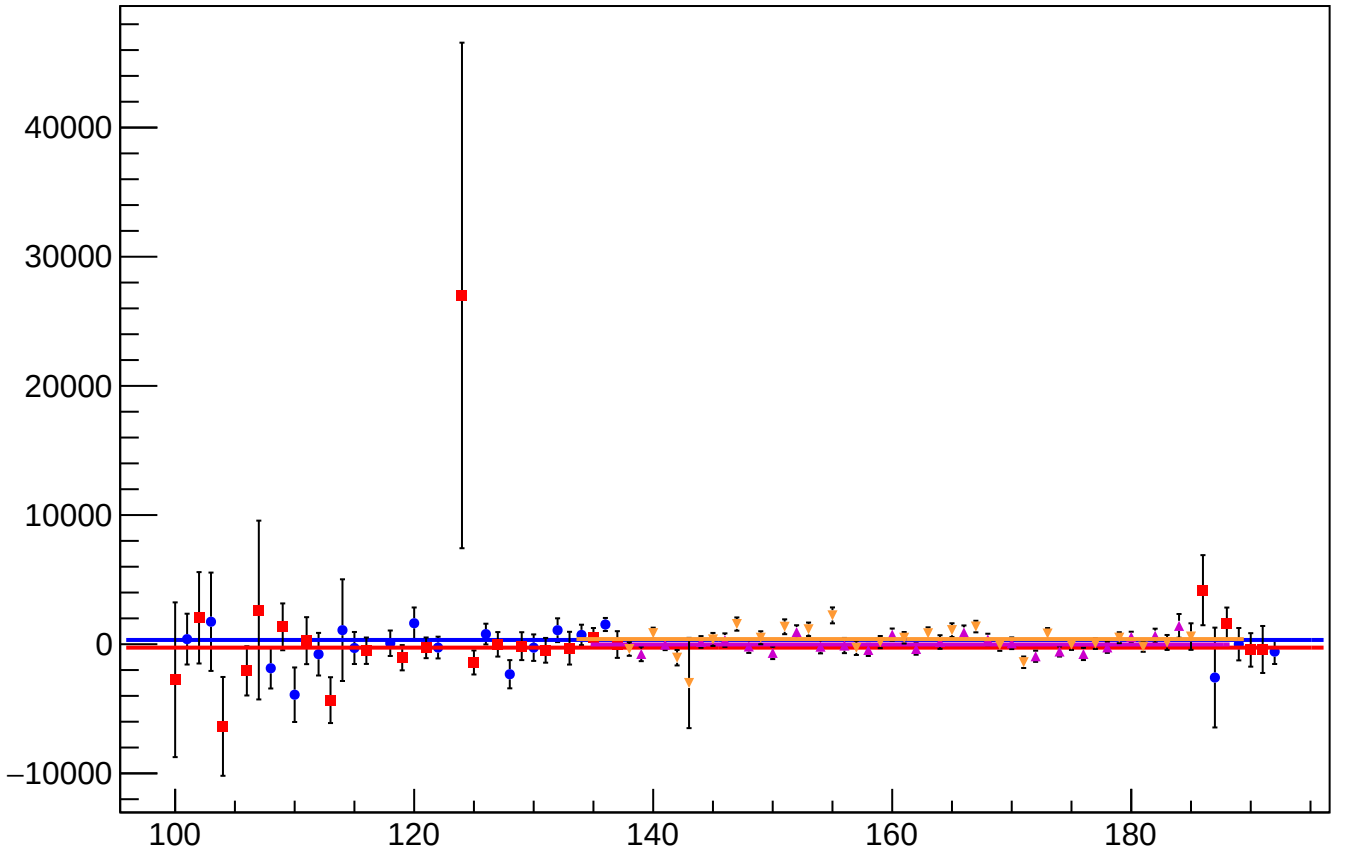
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1924.450+/-0.325 χ^2/NDF: 1245004.4/41

In: 1840.177+/-0.251 χ^2/NDF:685959.3/41

Out: 1822.277+/-0.243 χ^2/NDF:842791.6/47

All: 1830.938+/-0.174 χ^2/NDF: 1531381.7/89



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: -264.912+/-262.885 χ^2/NDF: 21.0/22

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

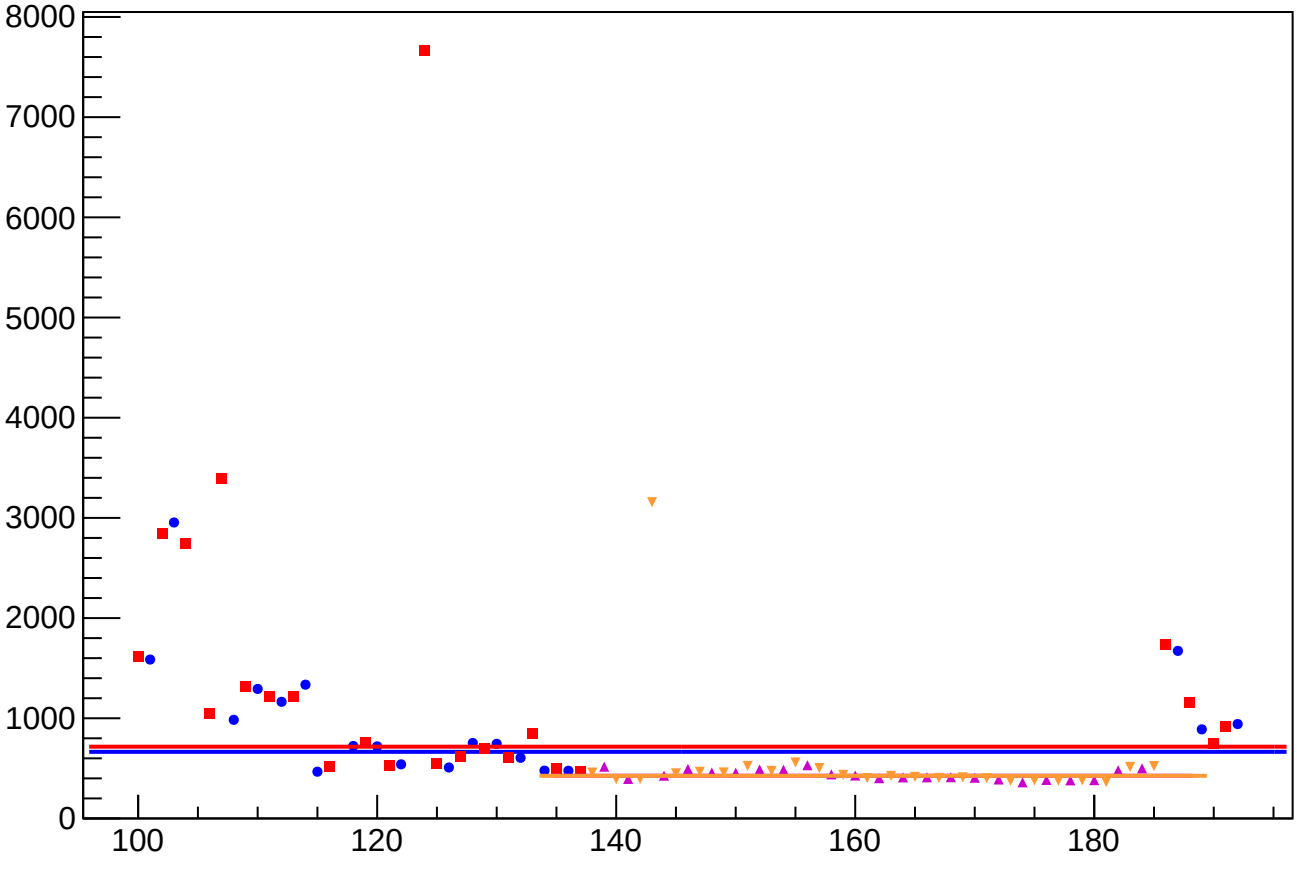
Right: 55.811+/-178.355 χ^2/NDF: 46.9/41

In: 29.662+/-92.672 χ^2/NDF:55.8/41

Out: 315.657+/-92.783 χ^2/NDF:87.1/47

All: 172.488+/-65.568 χ^2/NDF: 147.6/89

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: 716.360+/-0.186 χ^2/NDF: 3674111.1/22

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

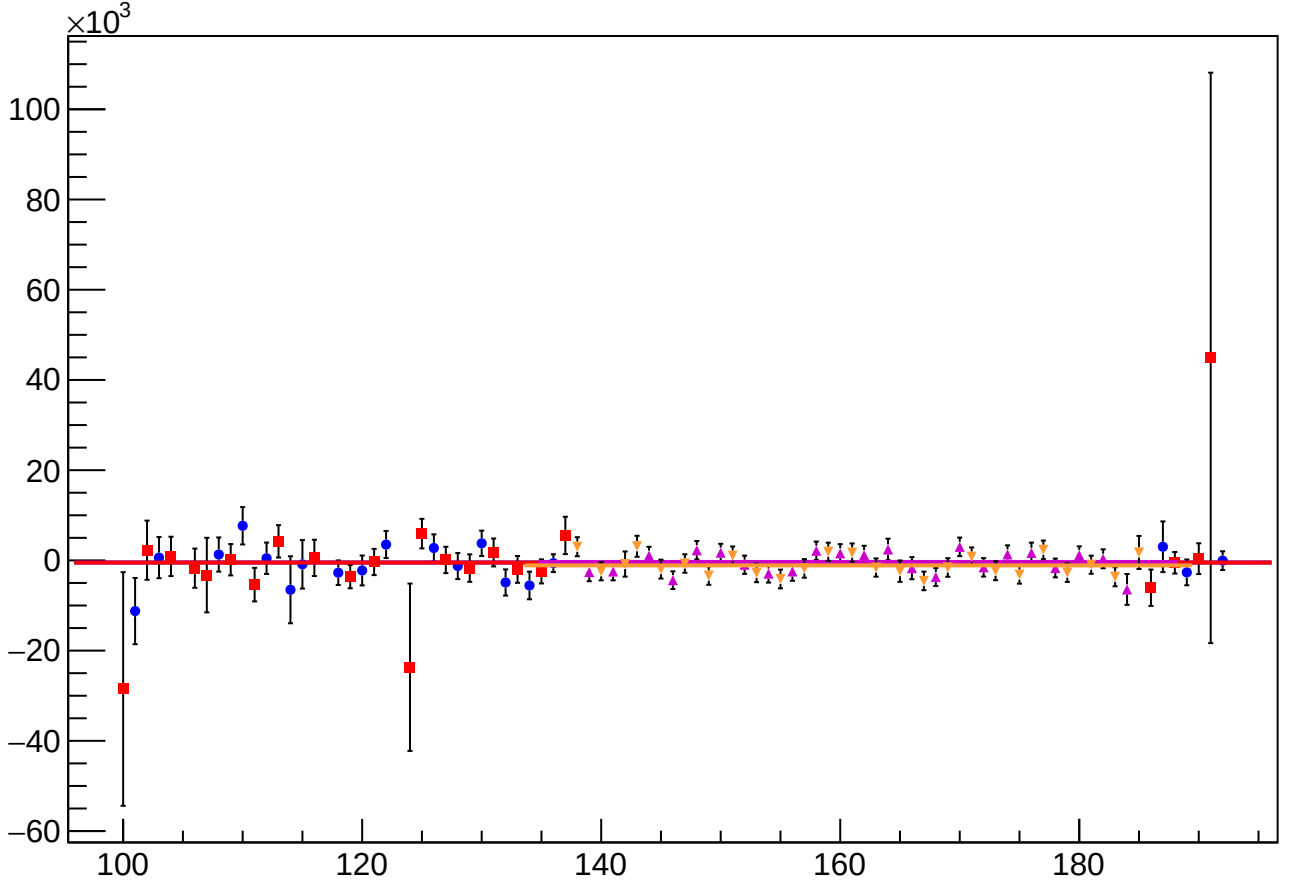
Right: 688.626+/-0.126 χ^2/NDF: 6352623.8/41

In: 460.943+/-0.066 χ^2/NDF:4706099.8/41

Out: 461.904+/-0.066 χ^2/NDF:7532702.2/47

All: 461.423+/-0.046 χ^2/NDF: 12238909.4/89

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: -479.484+/-751.940 χ^2/NDF: 18.2/22

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

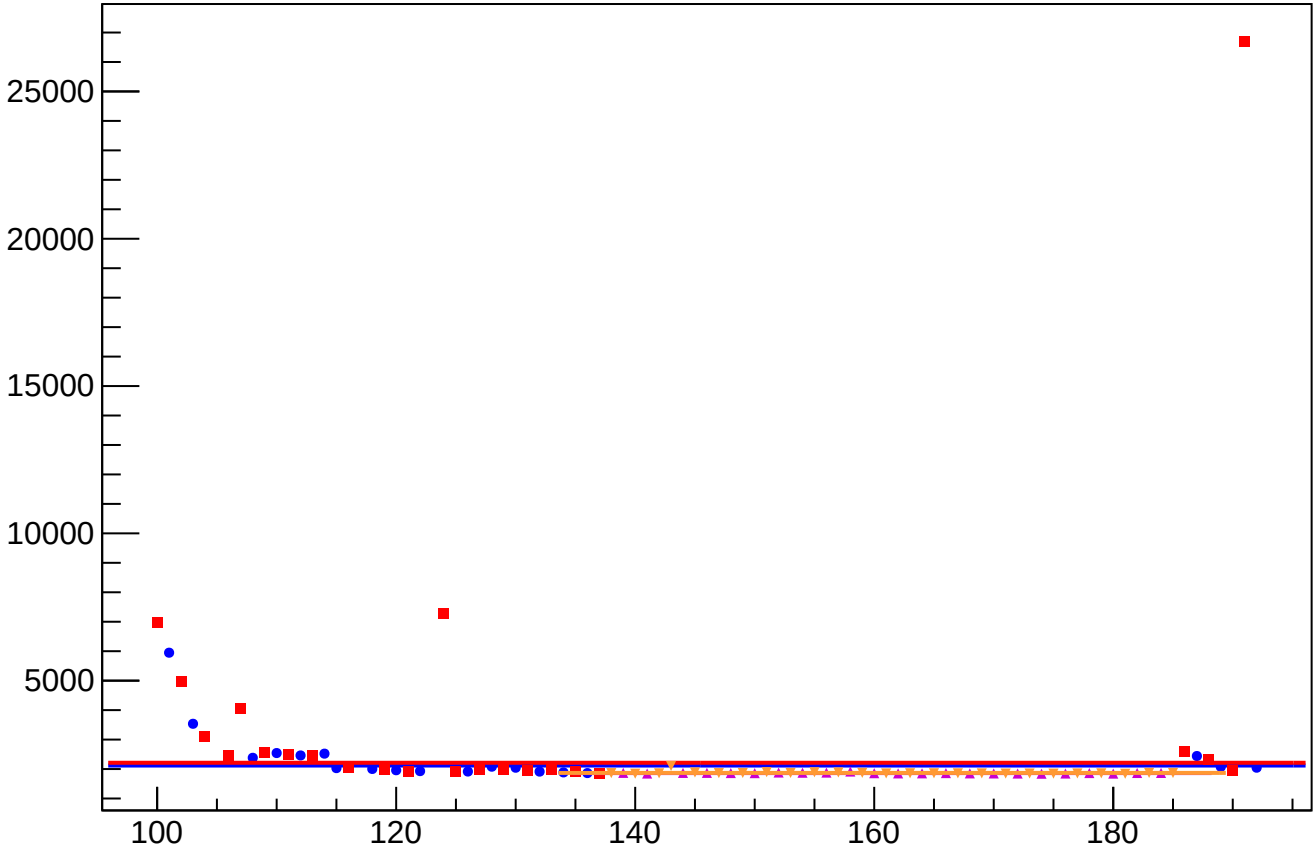
Right: -469.866+/-522.787 χ^2/NDF: 37.5/41

In: -376.946+/-373.293 χ^2/NDF:48.1/41

Out: -954.345+/-369.759 χ^2/NDF:46.7/47

All: -668.392+/-262.700 χ^2/NDF: 96.1/89

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: 2213.107+/-0.532 χ^2/NDF: 1278955.0/22

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

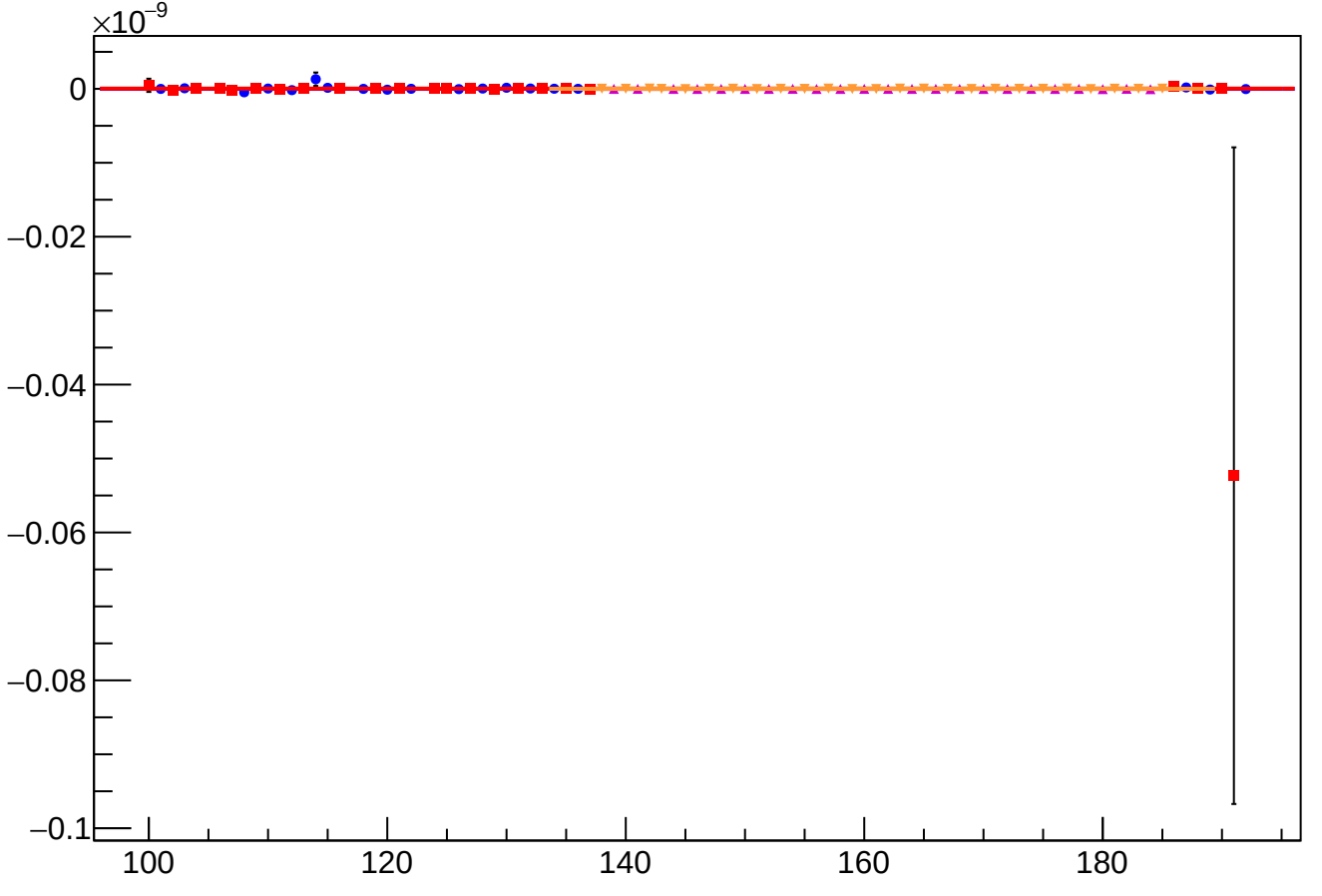
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2164.453+/-0.370 χ^2/NDF: 2179991.4/41

In: 1930.287+/-0.264 χ^2/NDF:1070189.0/41

Out: 1952.164+/-0.261 χ^2/NDF:1619943.7/47

All: 1941.329+/-0.186 χ^2/NDF: 2693599.7/89



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: 14.4/22

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

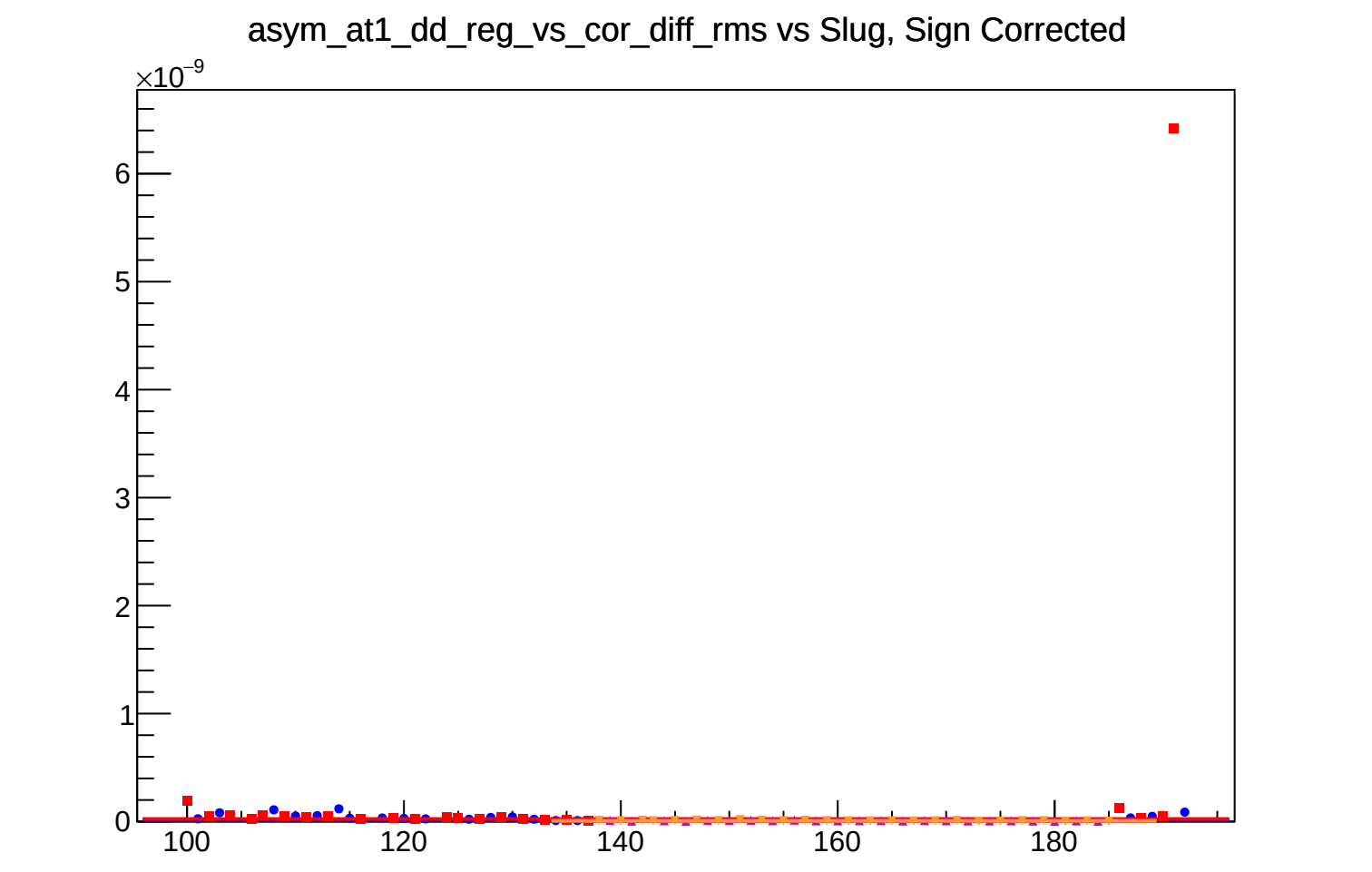
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

Right: 0.000+/-0.000 χ^2/NDF: 36.7/41

In: -0.000+/-0.000 χ^2/NDF:37.3/41

Out: 0.000+/-0.000 χ^2/NDF:60.3/47

All: -0.000+/-0.000 χ^2/NDF: 99.8/89



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: 1768392.0/22

Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

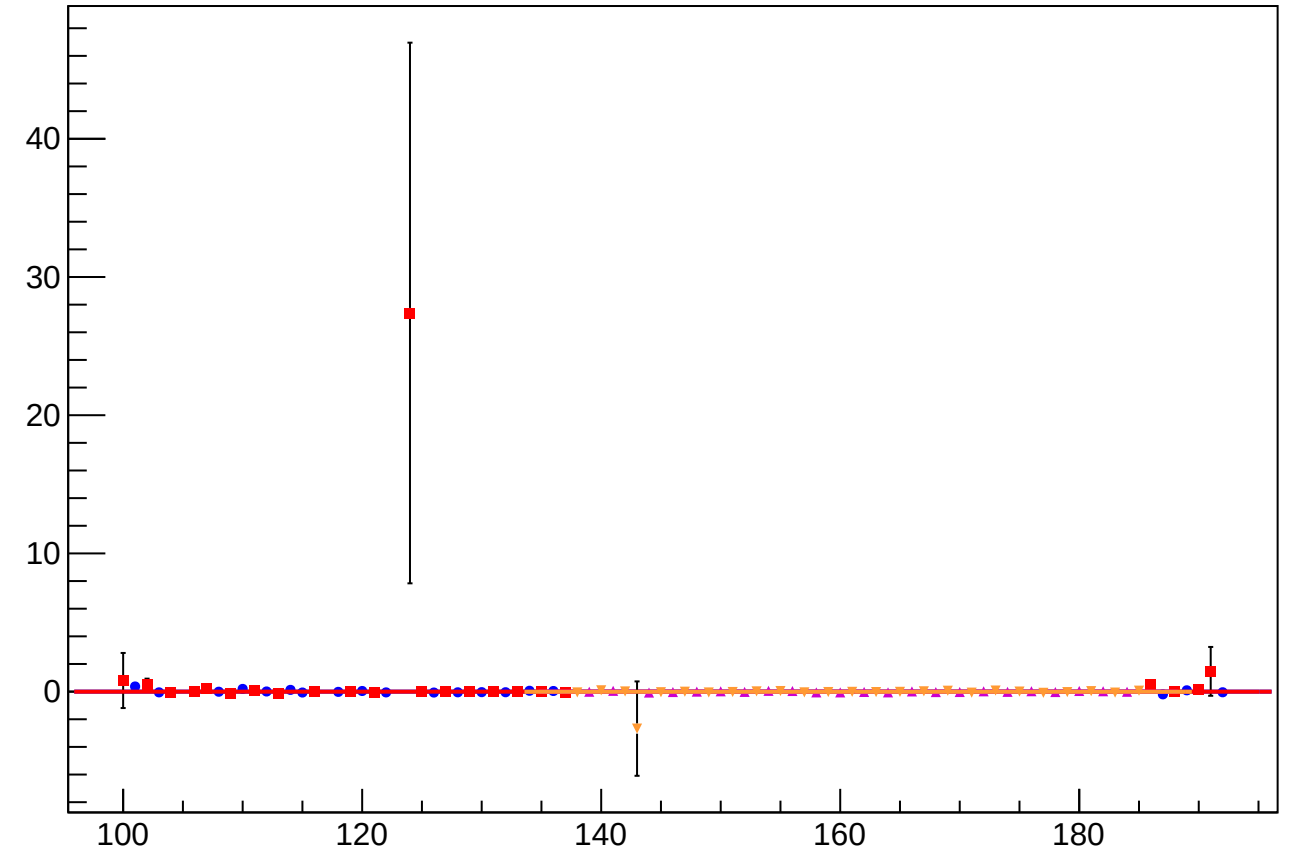
Left: 0.000+/-0.000 χ^2/NDF: 3321189.0/47

Right: 0.000+/-0.000 χ^2/NDF: 5156151.1/41

In: 0.000+/-0.000 χ^2/NDF:6126874.3/41

Out: 0.000+/-0.000 χ^2/NDF:6179340.9/47

All: 0.000+/-0.000 χ^2/NDF: 12306875.1/89



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: -0.003+/-0.014 χ^2/NDF: 23.5/22

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

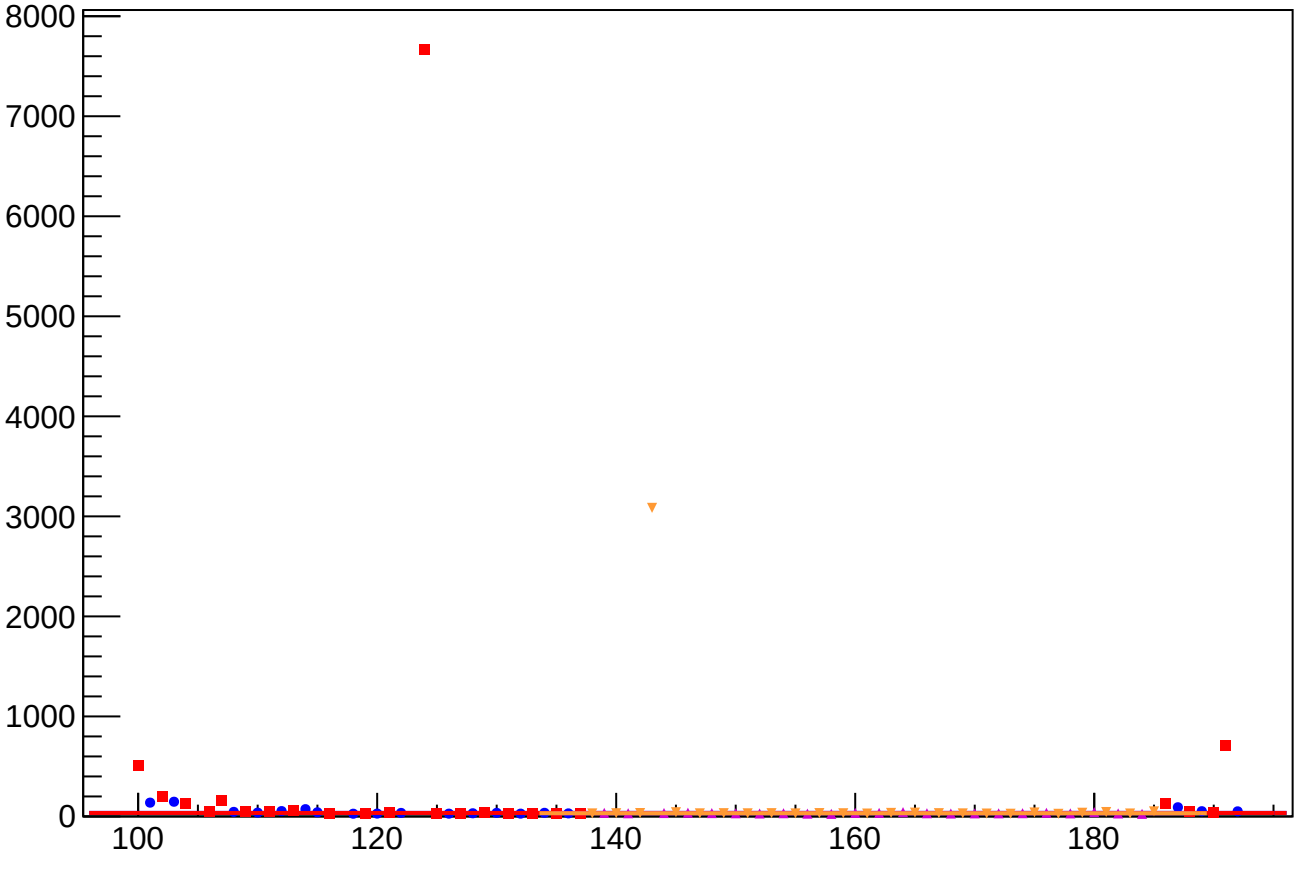
Right: -0.001+/-0.010 χ^2/NDF: 47.4/41

In: -0.003+/-0.007 χ^2/NDF:44.8/41

Out: -0.008+/-0.007 χ^2/NDF:63.2/47

All: -0.005+/-0.005 χ^2/NDF: 108.3/89

asym_at1_dd_dit_vs_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: 34.922+/-0.010 χ^2/NDF: 2995115.5/22

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

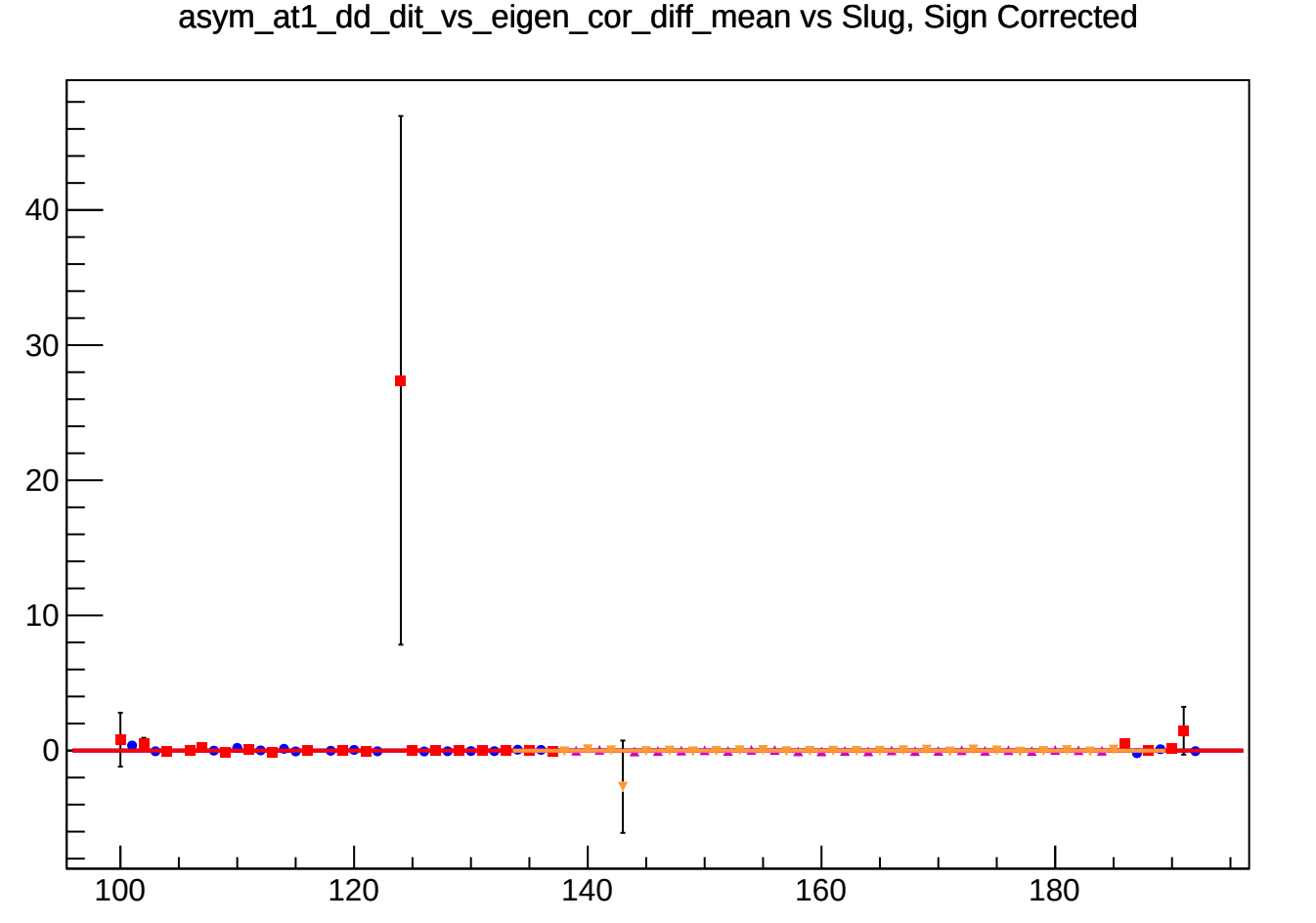
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 35.405+/-0.007 χ^2/NDF: 5106576.2/41

In: 33.316+/-0.005 χ^2/NDF:2623028.1/41

Out: 32.947+/-0.005 χ^2/NDF:5168298.6/47

All: 33.131+/-0.004 χ^2/NDF: 7794011.0/89



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: -0.003+/-0.014 χ^2/NDF: 23.5/22

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

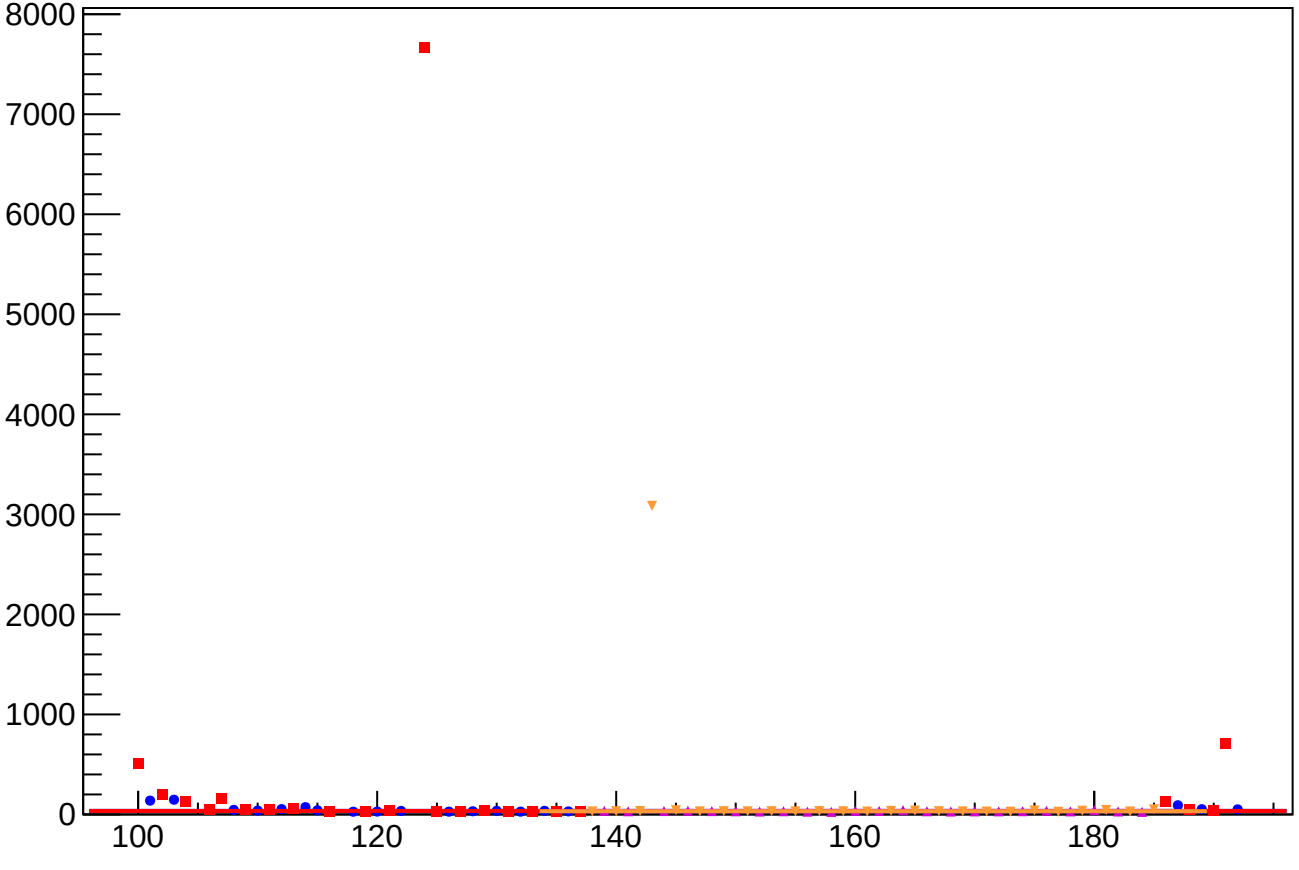
Right: -0.001+/-0.010 χ^2/NDF: 47.4/41

In: -0.003+/-0.007 χ^2/NDF:44.8/41

Out: -0.008+/-0.007 χ^2/NDF:63.2/47

All: -0.005+/-0.005 χ^2/NDF: 108.3/89

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: 34.922+/-0.010 χ^2/NDF: 2995115.5/22

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

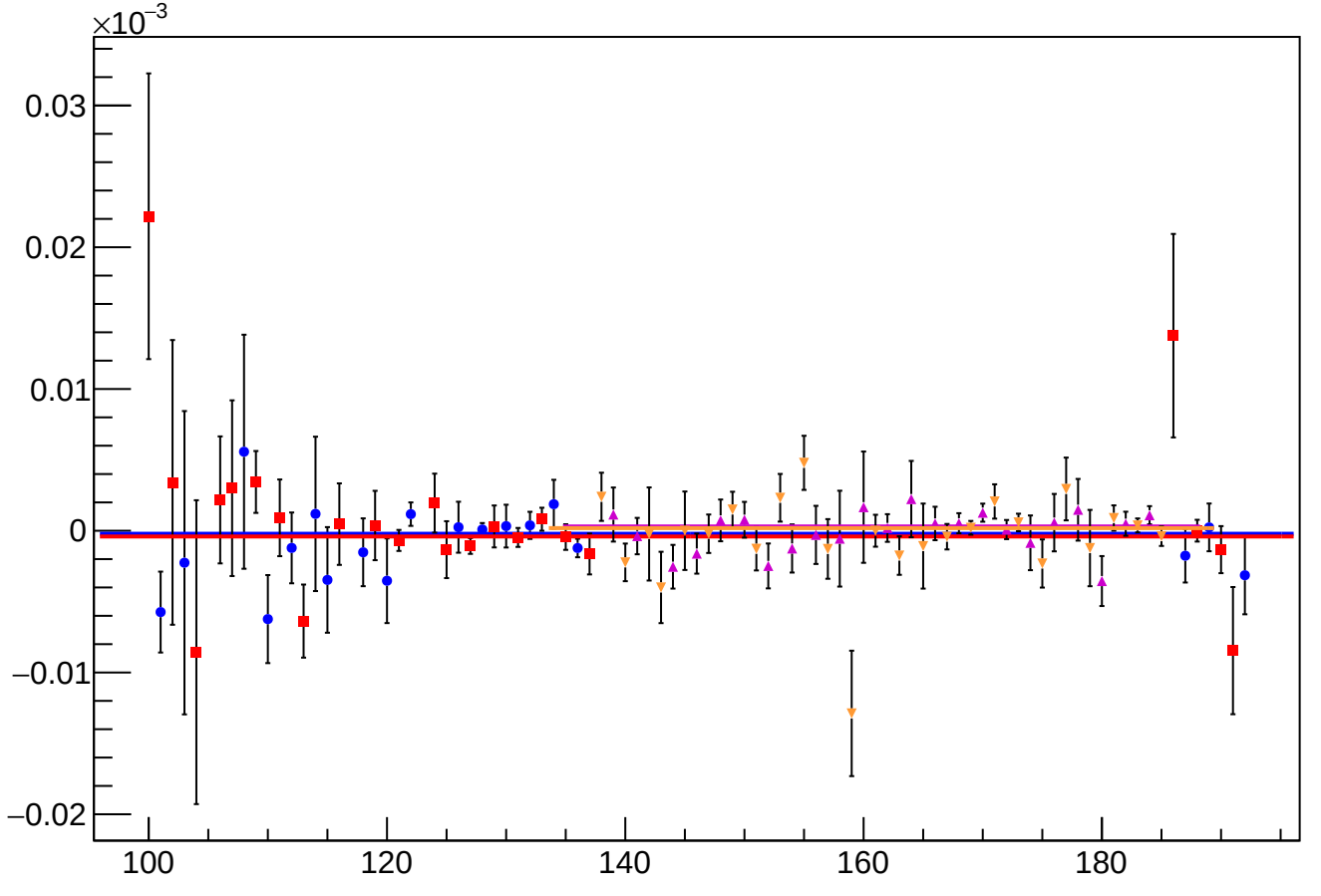
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 35.405+/-0.007 χ^2/NDF: 5106576.2/41

In: 33.316+/-0.005 χ^2/NDF:2623028.1/41

Out: 32.947+/-0.005 χ^2/NDF:5168298.6/47

All: 33.131+/-0.004 χ^2/NDF: 7794011.0/89



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: 29.3/22

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

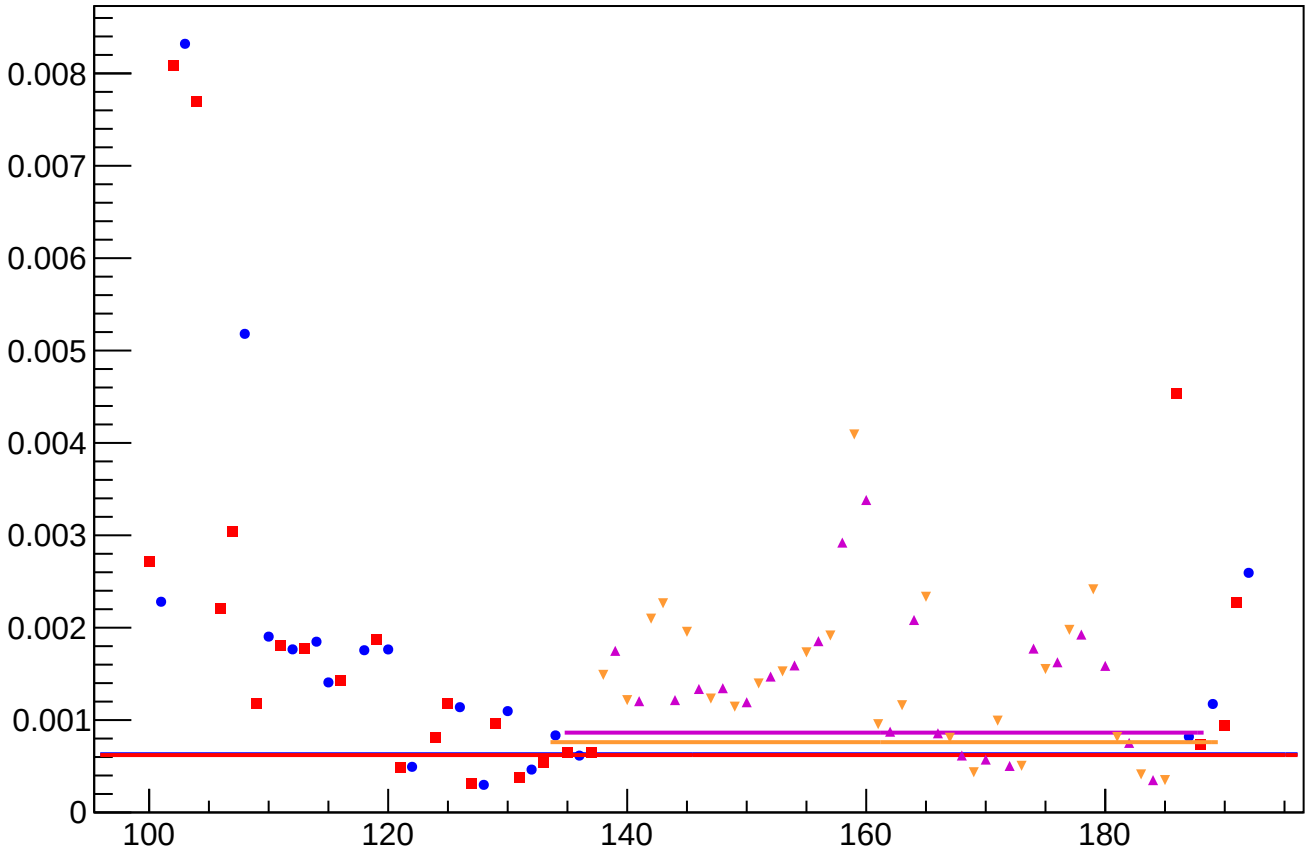
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 49.6/41

In: 0.000+/-0.000 χ^2/NDF:42.2/41

Out: -0.000+/-0.000 χ^2/NDF:69.9/47

All: 0.000+/-0.000 χ^2/NDF: 112.4/89



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: 6449207.5/22

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

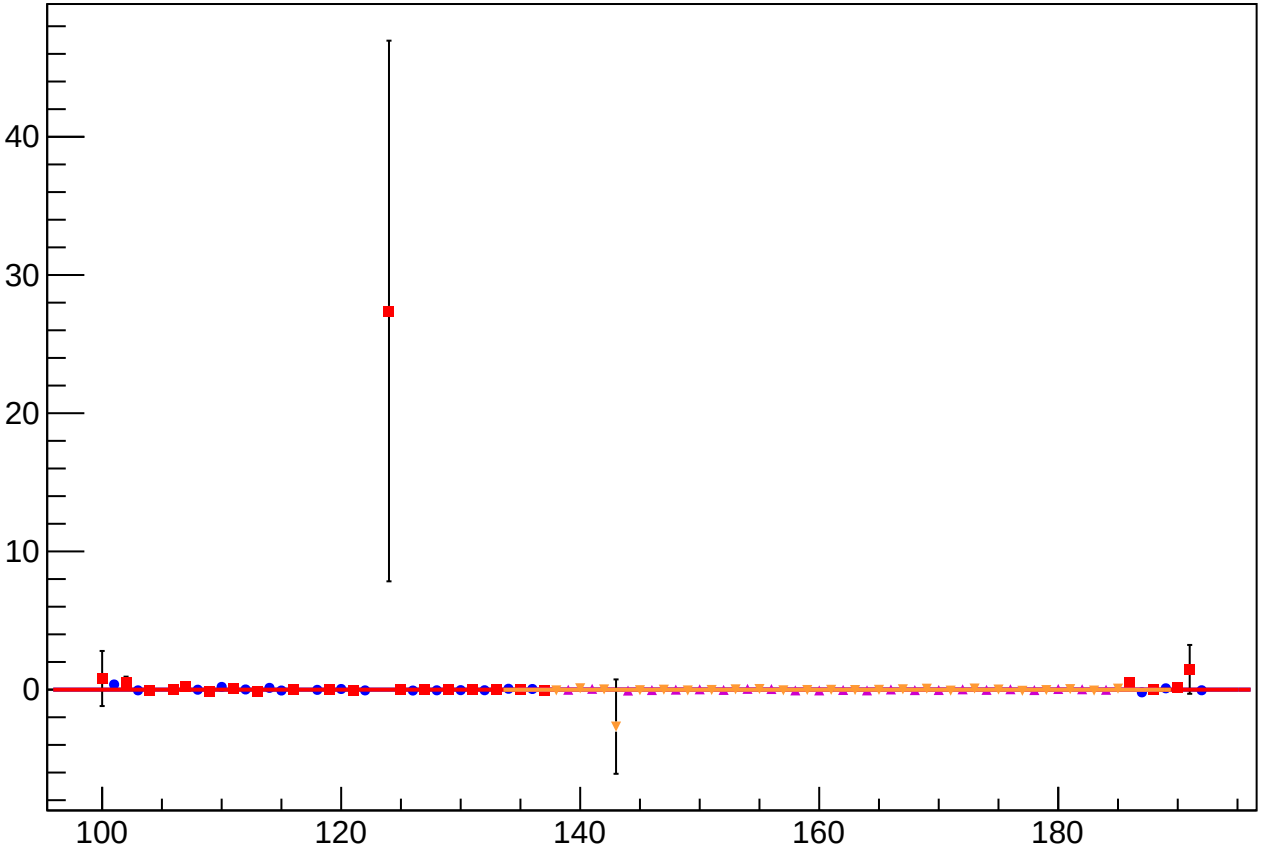
Right: 0.001+/-0.000 χ^2/NDF: 13224646.2/41

In: 0.001+/-0.000 χ^2/NDF:16005767.1/41

Out: 0.001+/-0.000 χ^2/NDF:17876449.9/47

All: 0.001+/-0.000 χ^2/NDF: 34005405.6/89

asym_at1_dd_eigen_dit_vs_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: -0.003+/-0.014 χ^2/NDF: 23.5/22

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

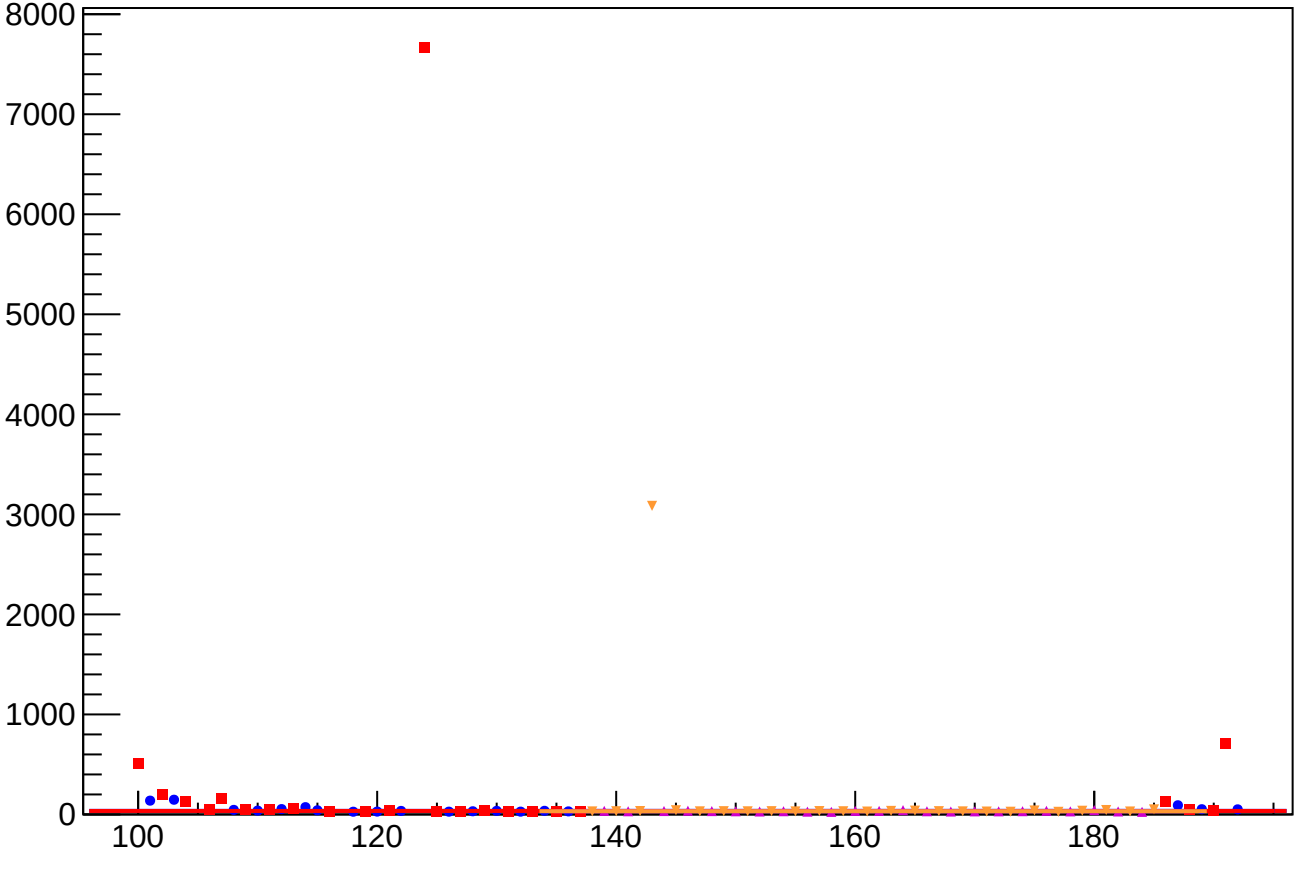
Right: -0.001+/-0.010 χ^2/NDF: 47.4/41

In: -0.003+/-0.007 χ^2/NDF:44.8/41

Out: -0.008+/-0.007 χ^2/NDF:63.2/47

All: -0.005+/-0.005 χ^2/NDF: 108.3/89

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: 34.922+/-0.010 χ^2/NDF: 2995106.1/22

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

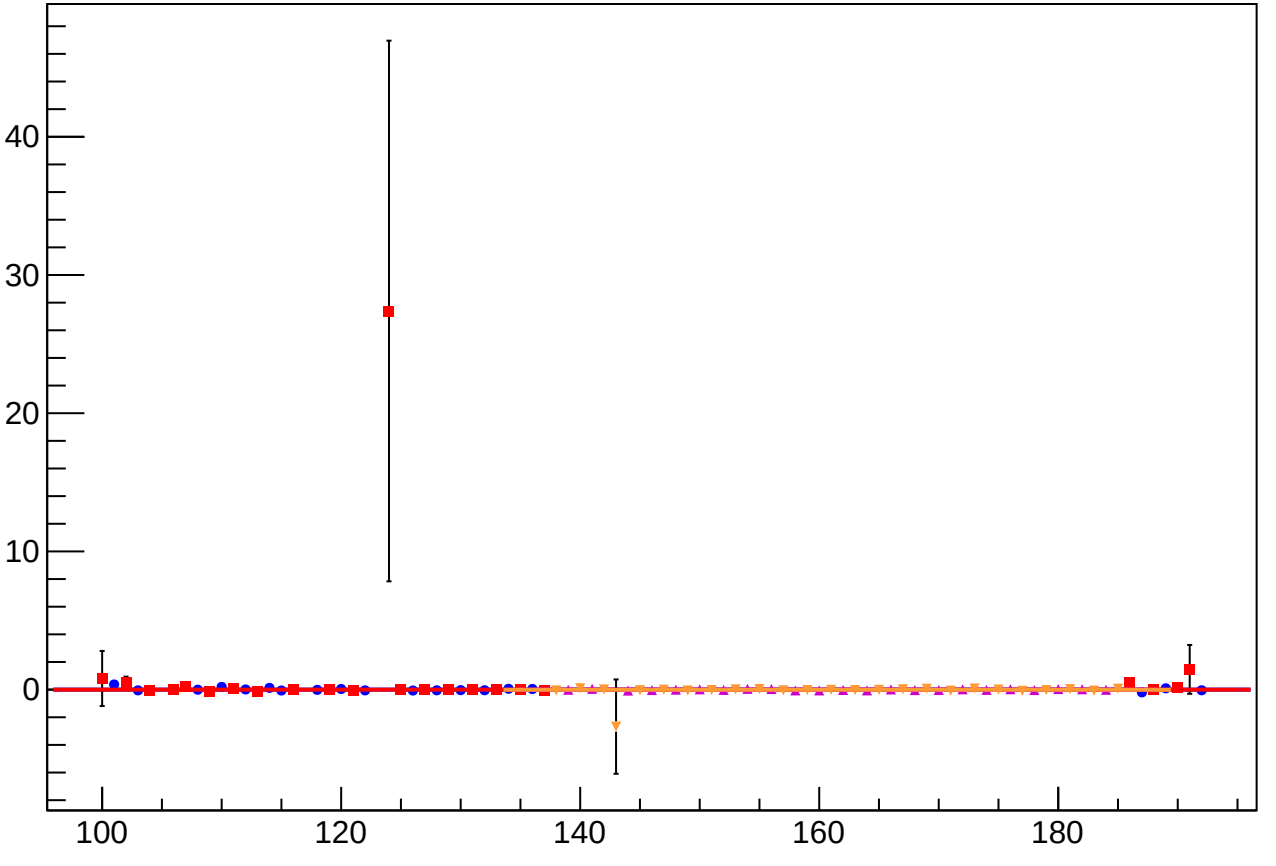
Right: 35.405+/-0.007 χ^2/NDF: 5106547.0/41

In: 33.316+/-0.005 χ^2/NDF:2622911.3/41

Out: 32.947+/-0.005 χ^2/NDF:5168330.8/47

All: 33.131+/-0.004 χ^2/NDF: 7793930.4/89

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: -0.003+/-0.014 χ^2/NDF: 23.5/22

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

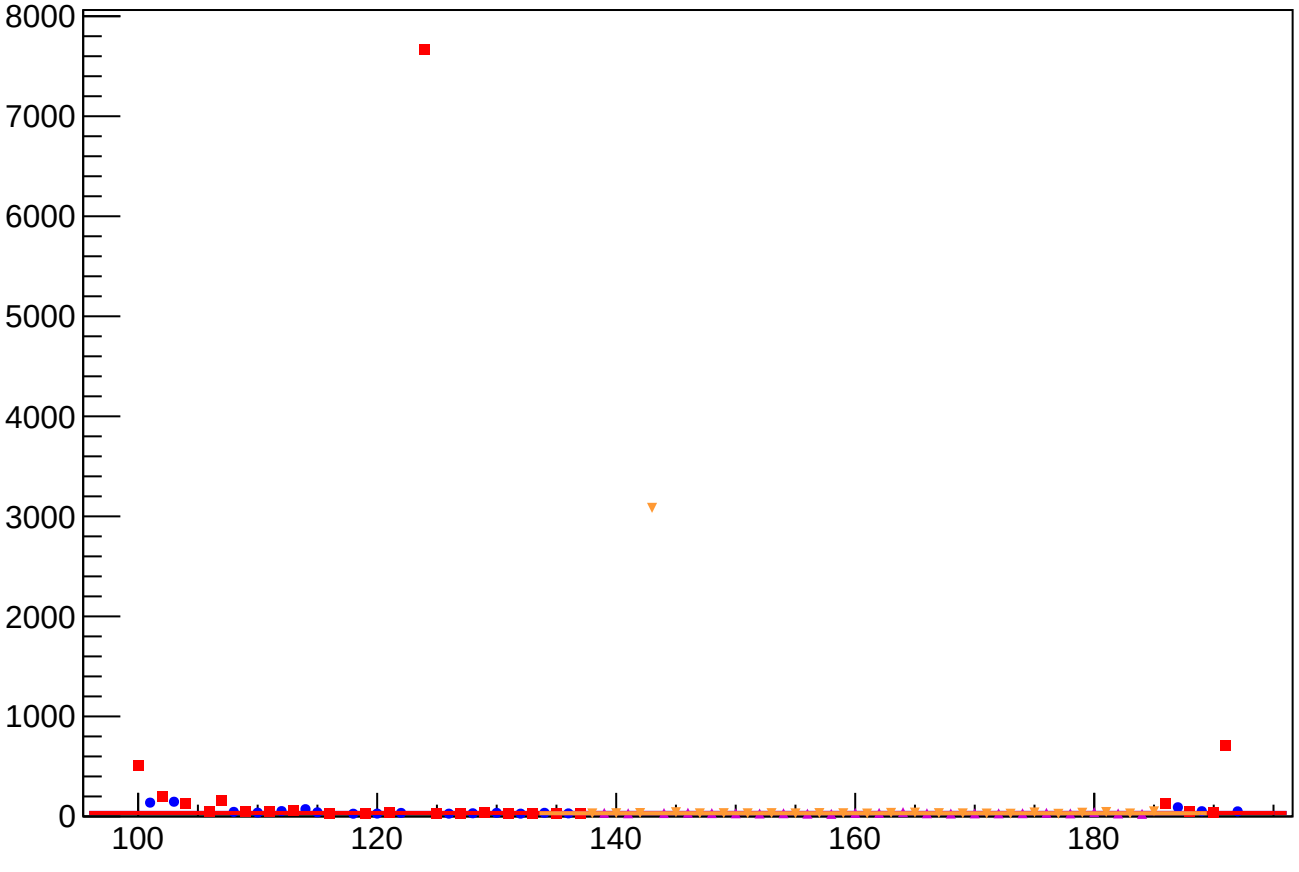
Right: -0.001+/-0.010 χ^2/NDF: 47.4/41

In: -0.003+/-0.007 χ^2/NDF:44.8/41

Out: -0.008+/-0.007 χ^2/NDF:63.2/47

All: -0.005+/-0.005 χ^2/NDF: 108.3/89

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: 34.922+/-0.010 χ^2/NDF: 2995106.1/22

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

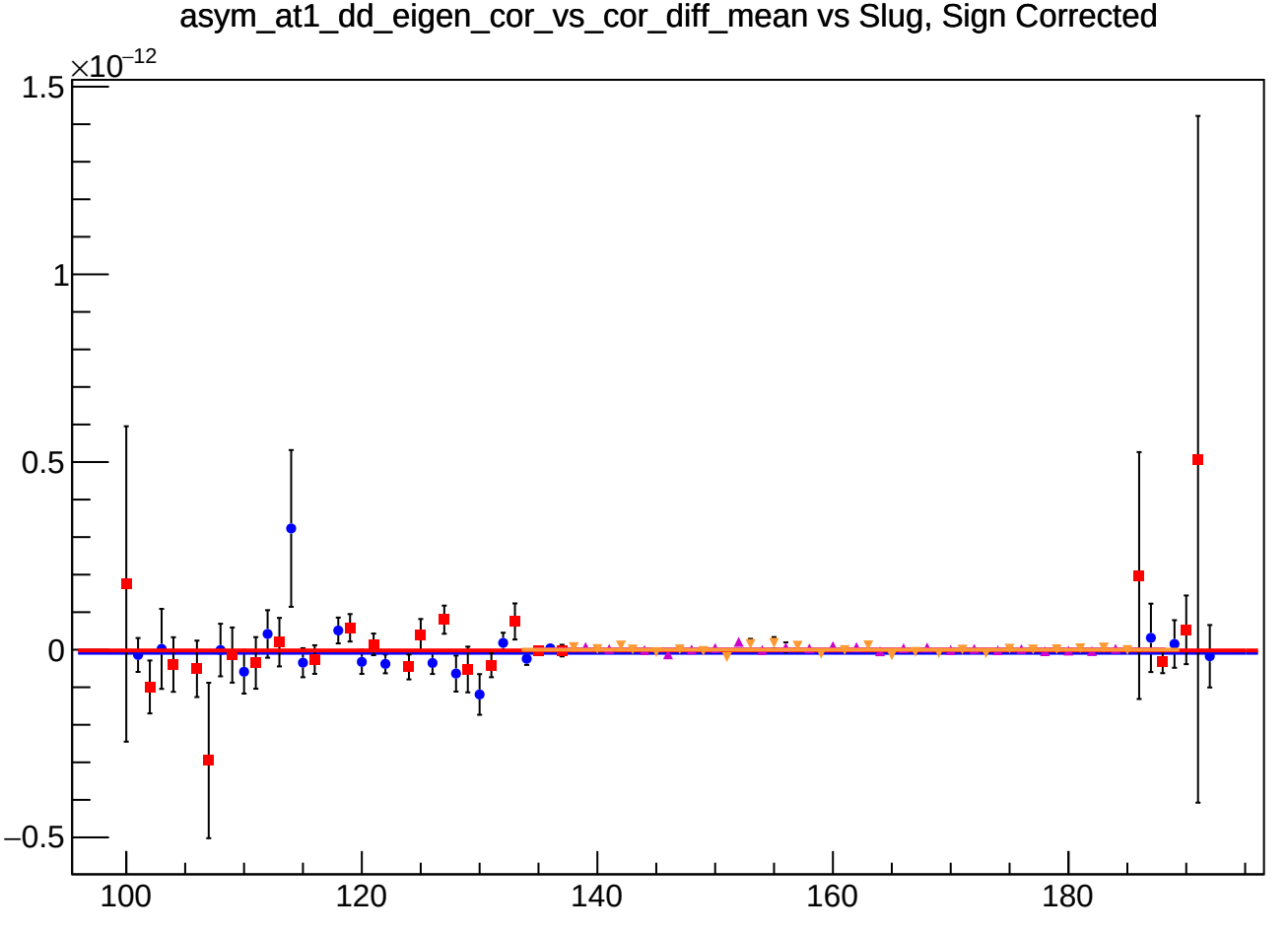
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 35.405+/-0.007 χ^2/NDF: 5106547.0/41

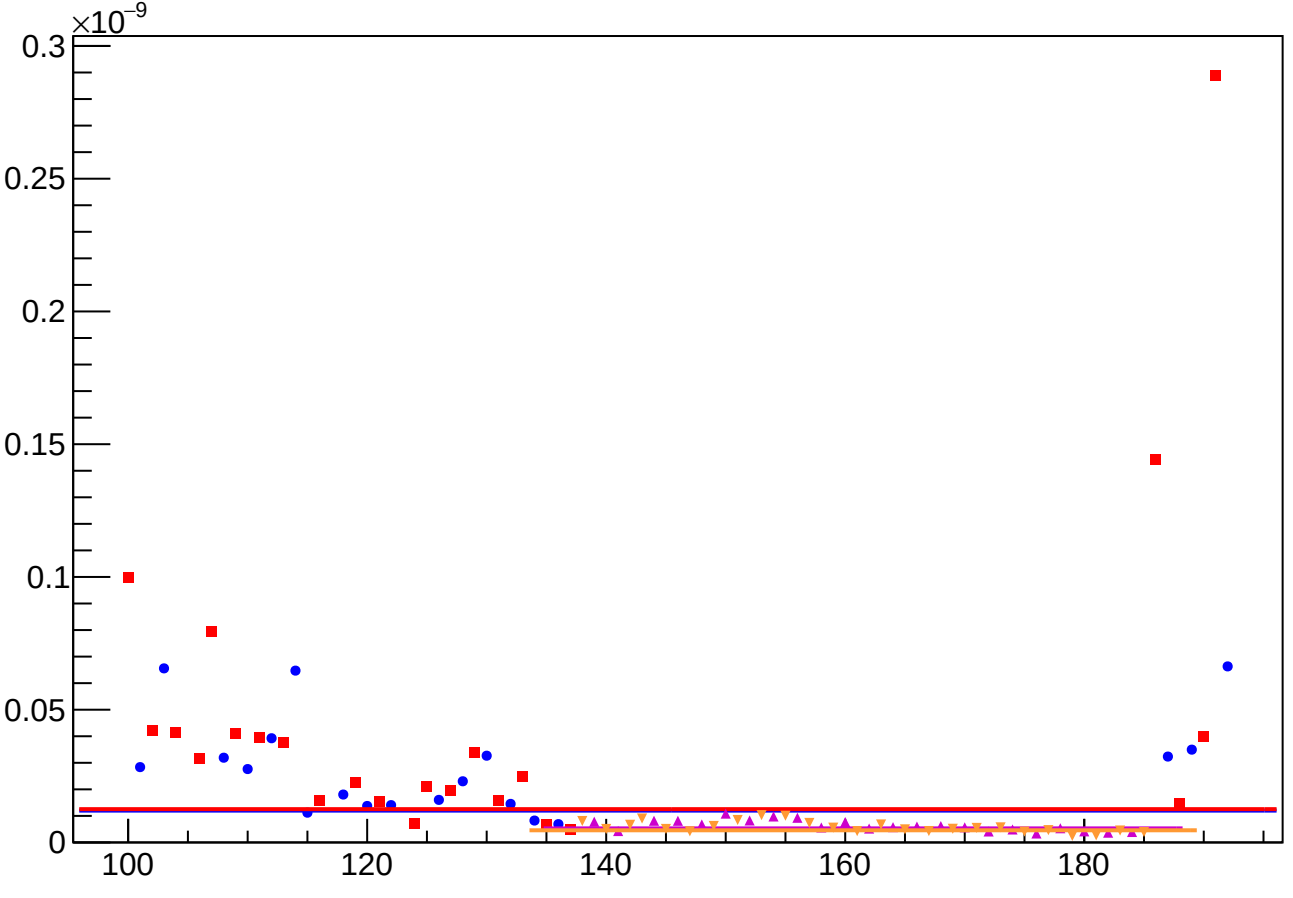
In: 33.316+/-0.005 χ^2/NDF:2622911.3/41

Out: 32.947+/-0.005 χ^2/NDF:5168330.8/47

All: 33.131+/-0.004 χ^2/NDF: 7793930.4/89


asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 19.6/18
Left Out: 0.000+/-0.000 χ²/NDF:21.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.9/22
Left In: 0.000+/-0.000 χ²/NDF:9.2/22
Left: 0.000+/-0.000 χ²/NDF: 30.5/47
Right: -0.000+/-0.000 χ²/NDF: 43.0/41
In: 0.000+/-0.000 χ²/NDF:30.7/41
Out: -0.000+/-0.000 χ²/NDF:44.1/47
All: 0.000+/-0.000 χ²/NDF: 74.9/89

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 4453947.1/22

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

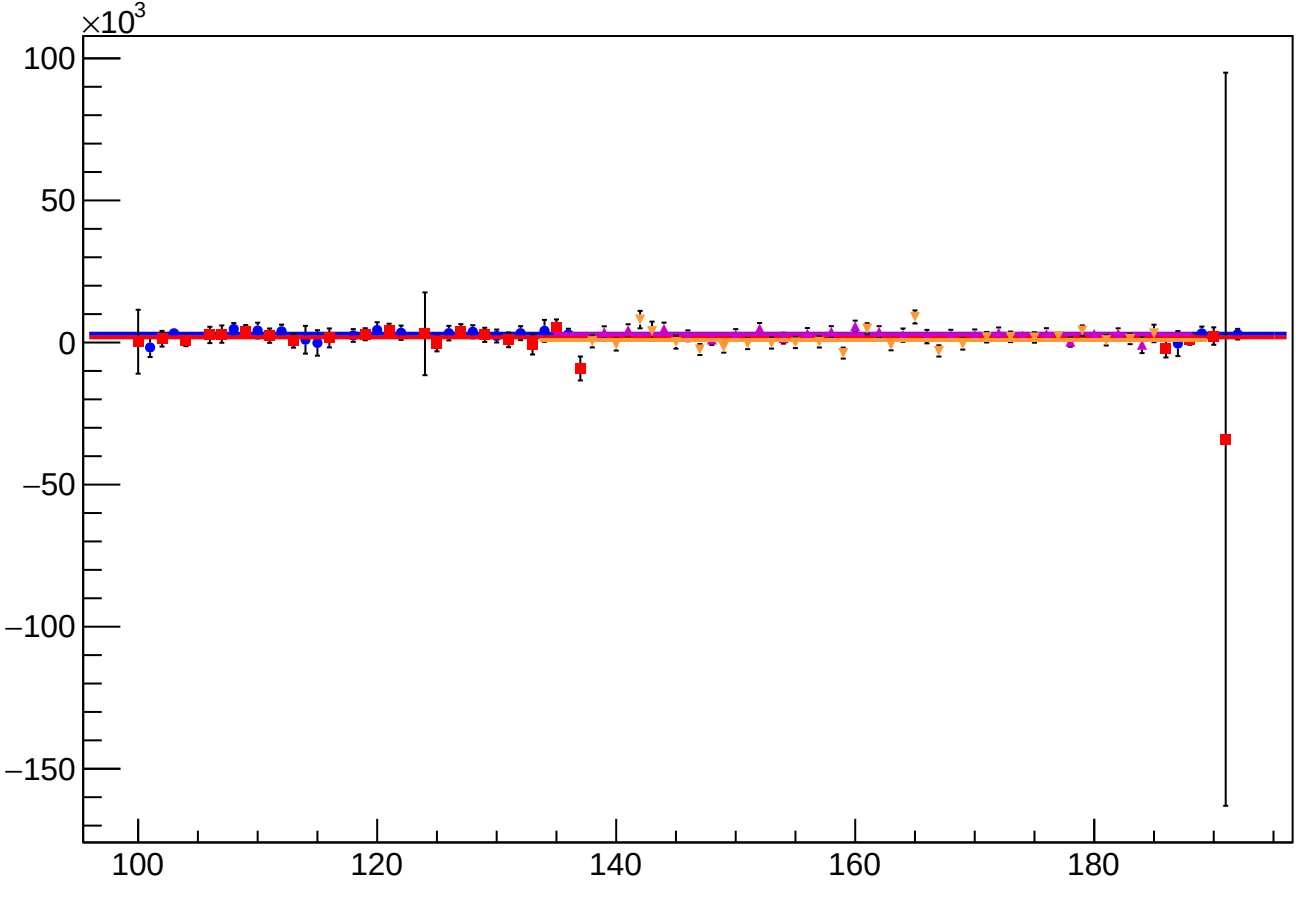
Right: 0.000+/-0.000 χ^2/NDF: 8509653.5/41

In: 0.000+/-0.000 χ^2/NDF:8380406.2/41

Out: 0.000+/-0.000 χ^2/NDF:9714207.8/47

All: 0.000+/-0.000 χ^2/NDF: 18380585.0/89

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: 1822.689+/-570.993 χ^2/NDF: 16.3/22

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

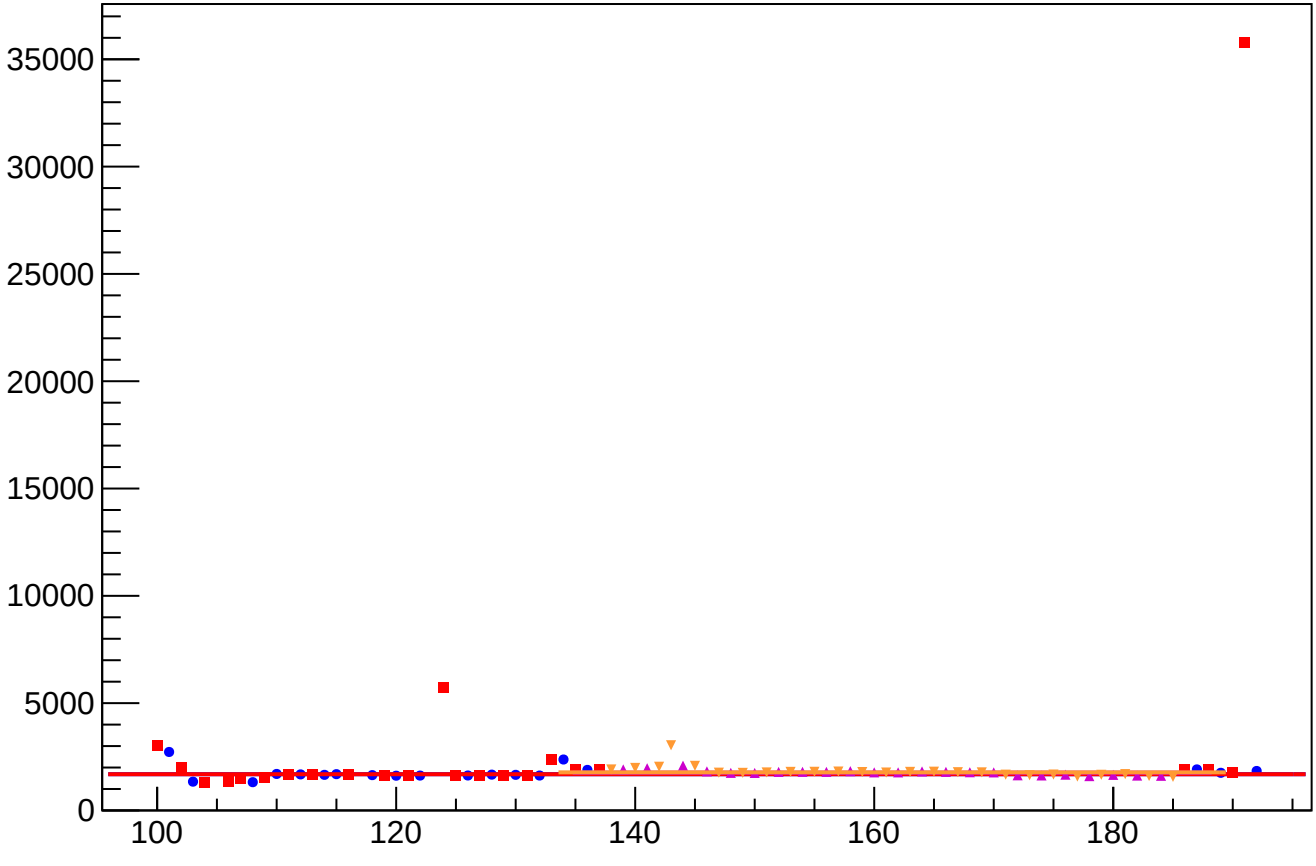
Right: 2456.628+/-404.433 χ^2/NDF: 23.7/41

In: 2994.962+/-334.529 χ^2/NDF:15.6/41

Out: 1208.660+/-330.634 χ^2/NDF:63.3/47

All: 2091.352+/-235.158 χ^2/NDF: 93.3/89

reg_asym_at2_avg_rms vs Slug, Sign Corrected



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: 1688.243+/-0.404 χ^2/NDF: 627495.0/22

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

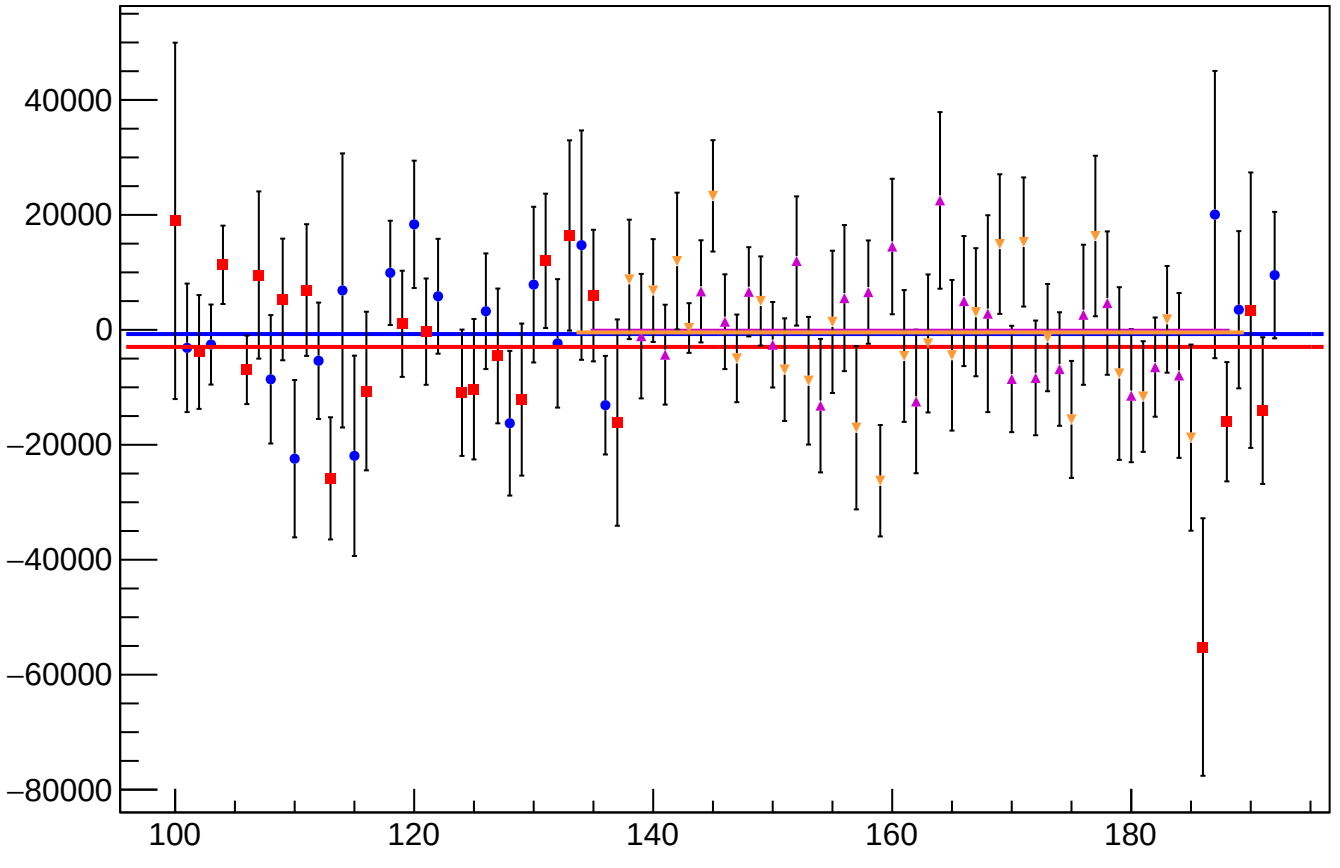
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1688.593+/-0.286 χ^2/NDF: 1066238.4/41

In: 1736.492+/-0.237 χ^2/NDF:605909.1/41

Out: 1745.731+/-0.234 χ^2/NDF:1104891.3/47

All: 1741.166+/-0.166 χ^2/NDF: 1711572.1/89



Right In: -732.255+/-2598.894 χ^2/NDF: 16.1/18

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -2970.466+/-2303.250 χ^2/NDF: 26.0/22

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

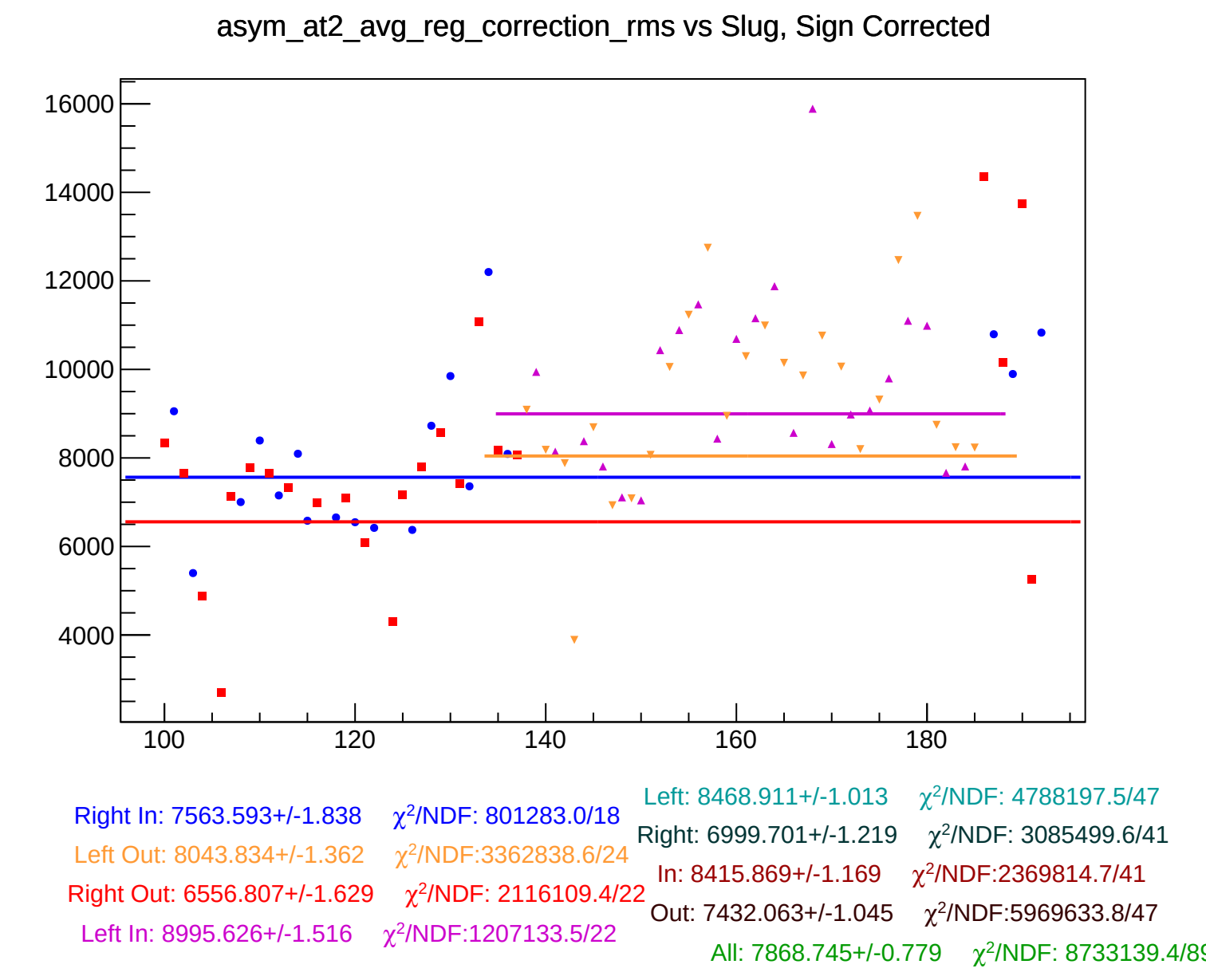
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: -1985.855+/-1723.734 χ^2/NDF: 42.6/41

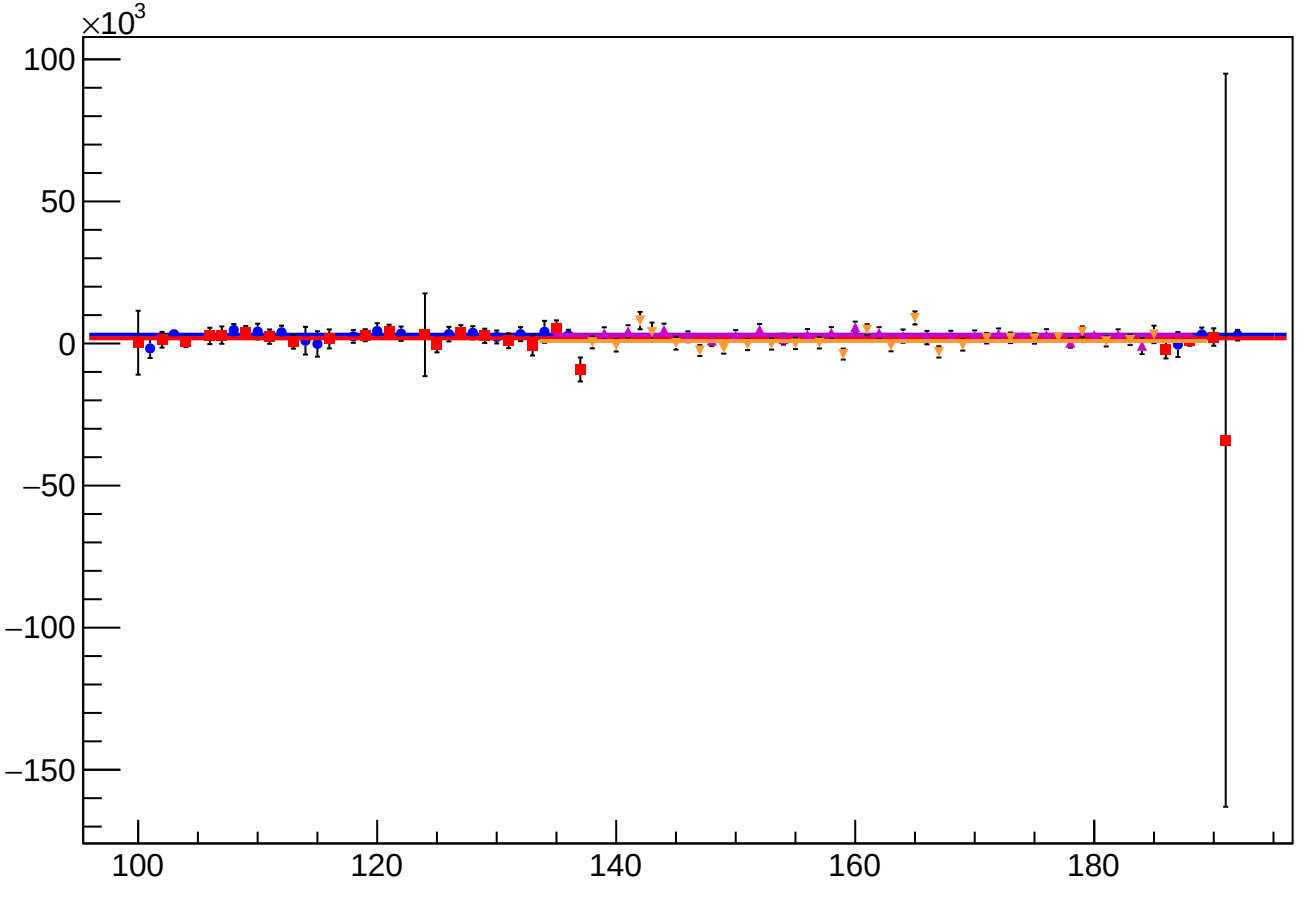
In: -388.861+/-1653.617 χ^2/NDF:30.0/41

Out: -1483.014+/-1477.323 χ^2/NDF:56.2/47

All: -997.351+/-1101.700 χ^2/NDF: 86.4/89


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: 6556.807+/-1.629 χ²/NDF: 2116109.4/22
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 6999.701+/-1.219 χ²/NDF: 3085499.6/41
In: 8415.869+/-1.169 χ²/NDF:2369814.7/41
Out: 7432.063+/-1.045 χ²/NDF:5969633.8/47
All: 7868.745+/-0.779 χ²/NDF: 8733139.4/89

cor_asym_at2_avg_mean vs Slug, Sign Corrected



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: 1822.522+/-570.993 χ^2/NDF: 16.3/22

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

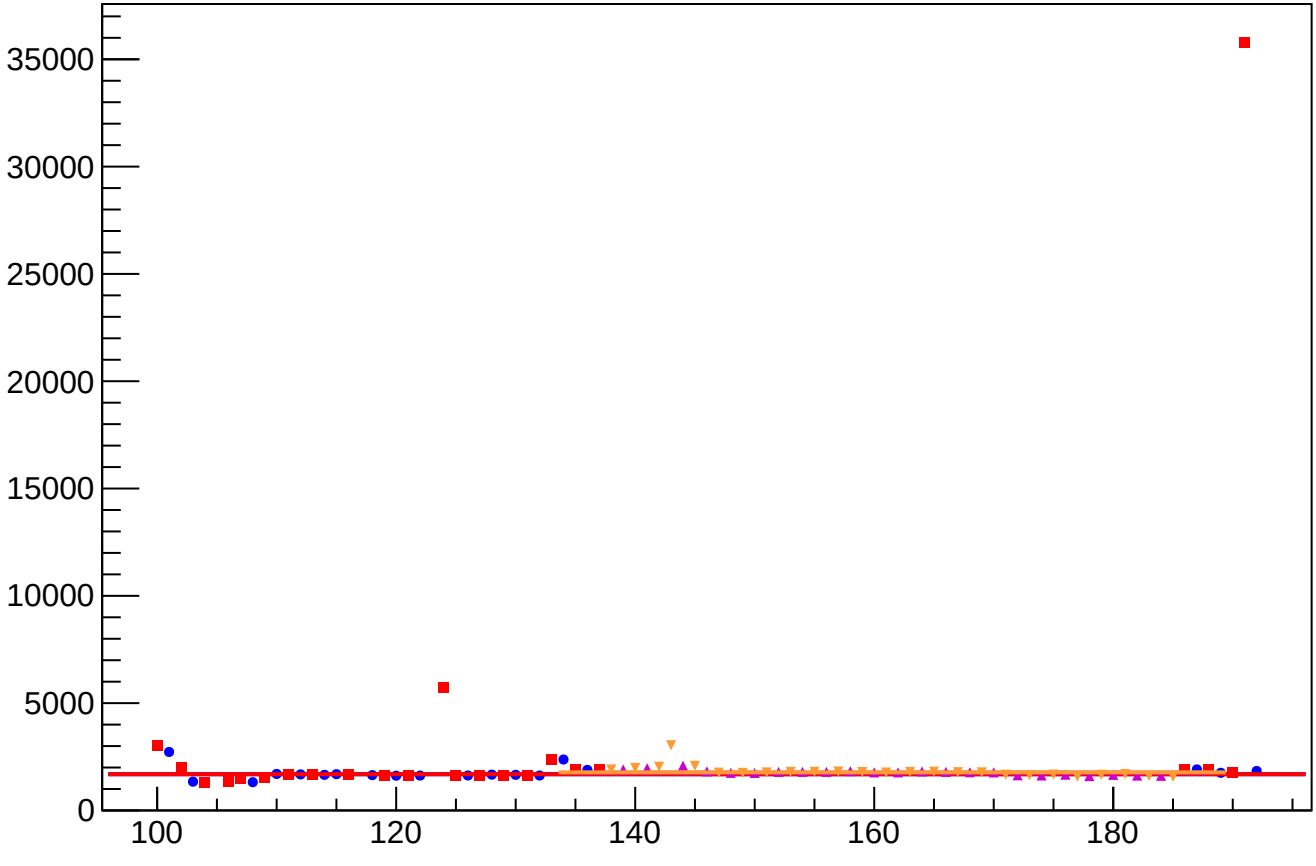
Right: 2456.596+/-404.433 χ^2/NDF: 23.7/41

In: 2994.923+/-334.529 χ^2/NDF:15.6/41

Out: 1208.551+/-330.634 χ^2/NDF:63.3/47

All: 2091.278+/-235.158 χ^2/NDF: 93.3/89

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: 1688.243+/-0.404 χ^2/NDF: 627495.1/22

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

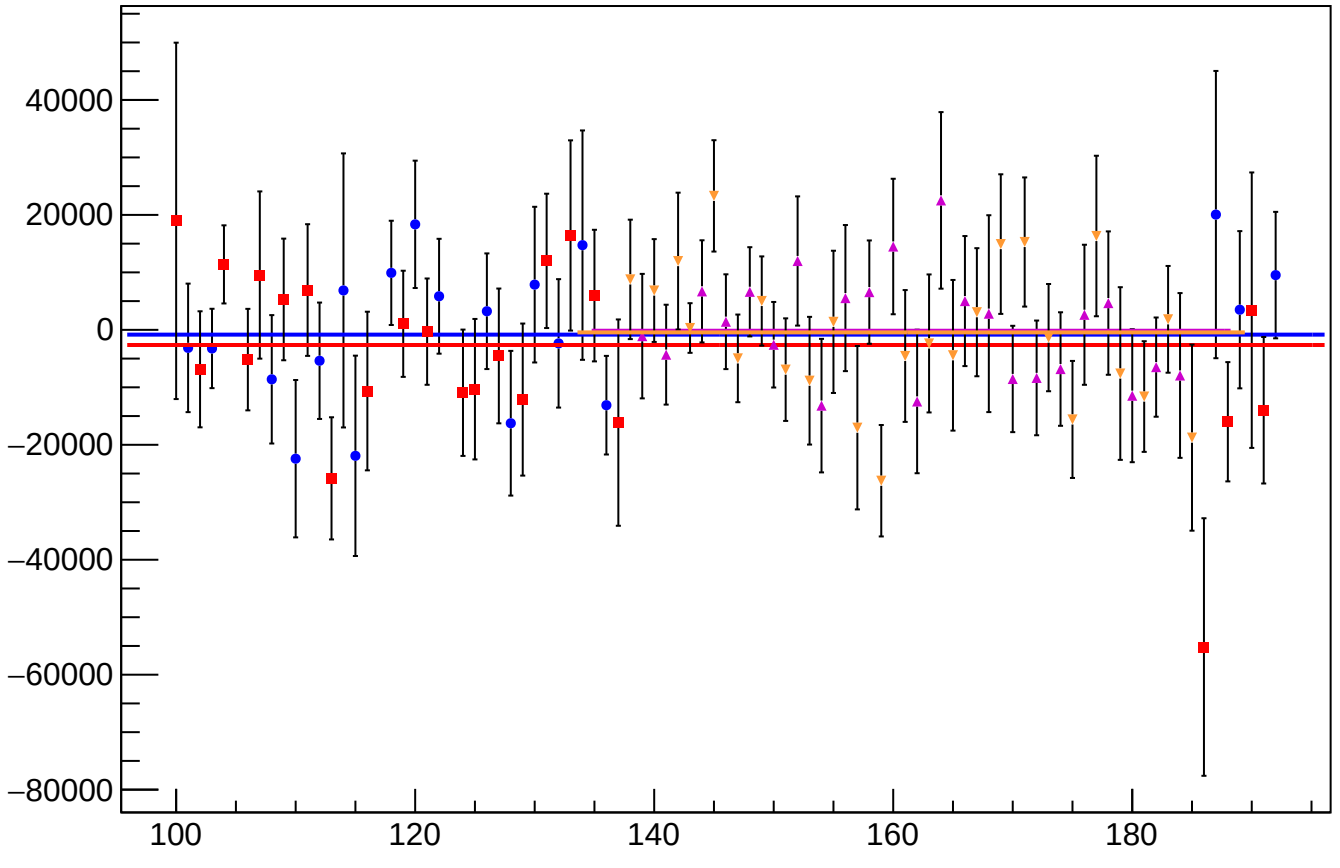
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1688.593+/-0.286 χ^2/NDF: 1066238.9/41

In: 1736.492+/-0.237 χ^2/NDF:605909.5/41

Out: 1745.731+/-0.234 χ^2/NDF:1104891.6/47

All: 1741.166+/-0.166 χ^2/NDF: 1711572.7/89



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: -2635.473+/-2404.439 χ^2/NDF: 25.8/22

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

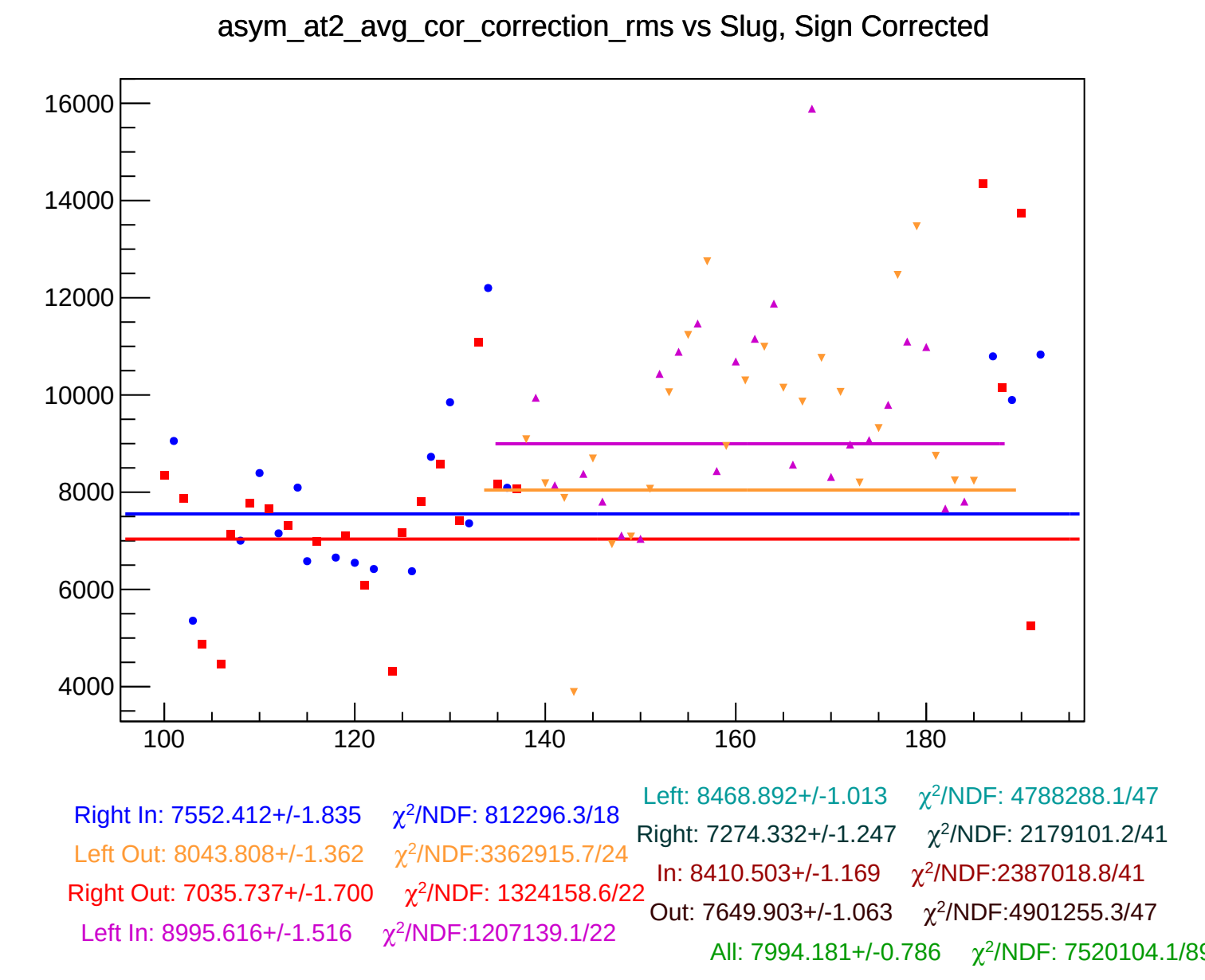
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

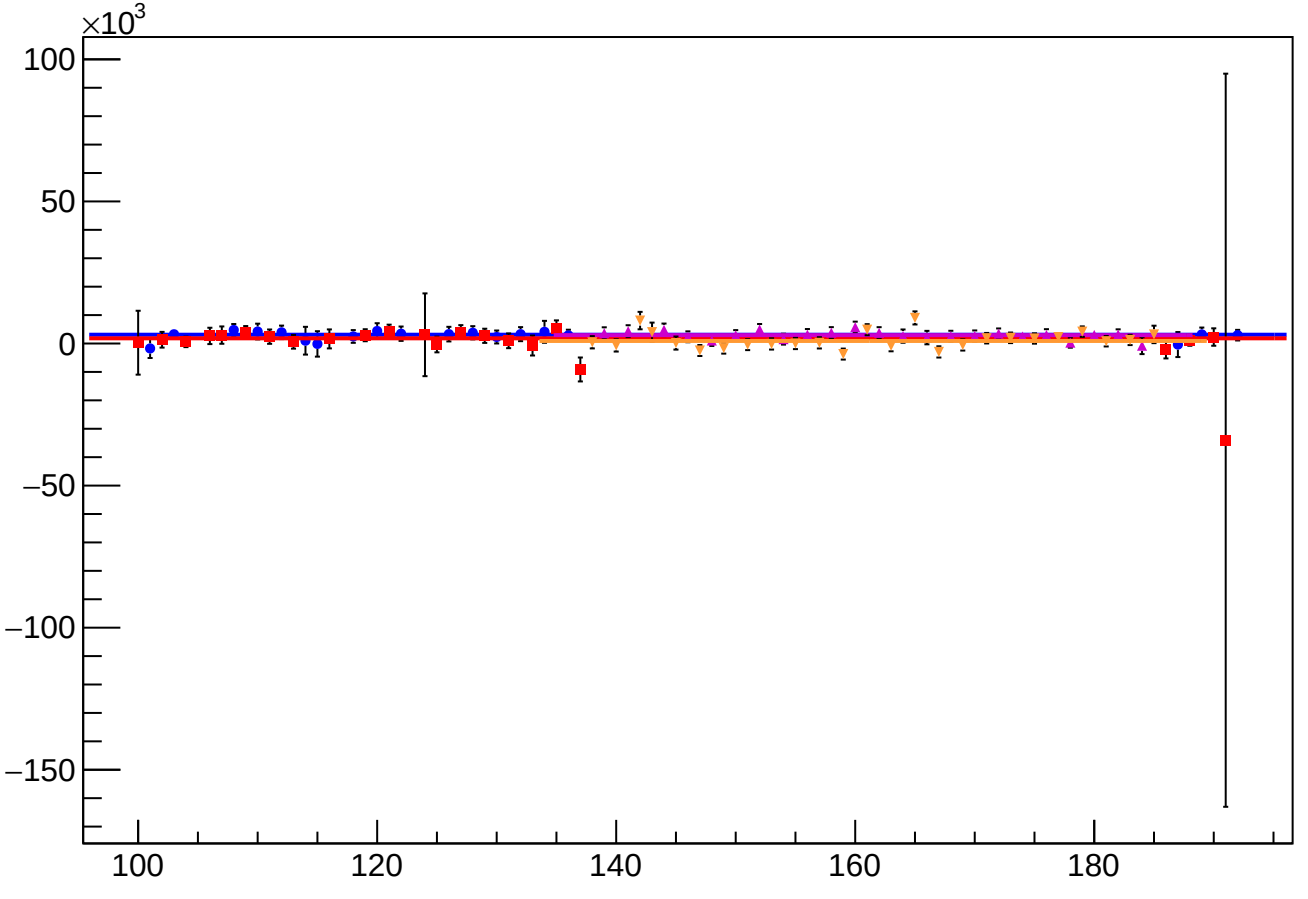
Right: -1802.969+/-1763.965 χ^2/NDF: 42.3/41

In: -429.897+/-1652.813 χ^2/NDF:30.0/41

Out: -1299.946+/-1503.016 χ^2/NDF:55.8/47

All: -906.127+/-1111.988 χ^2/NDF: 86.0/89


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: 7035.737+/-1.700 χ²/NDF: 1324158.6/22
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 7274.332+/-1.247 χ²/NDF: 2179101.2/41
In: 8410.503+/-1.169 χ²/NDF:2387018.8/41
Out: 7649.903+/-1.063 χ²/NDF:4901255.3/47
All: 7994.181+/-0.786 χ²/NDF: 7520104.1/89



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: 1822.522+/-570.993 χ^2/NDF: 16.3/22

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

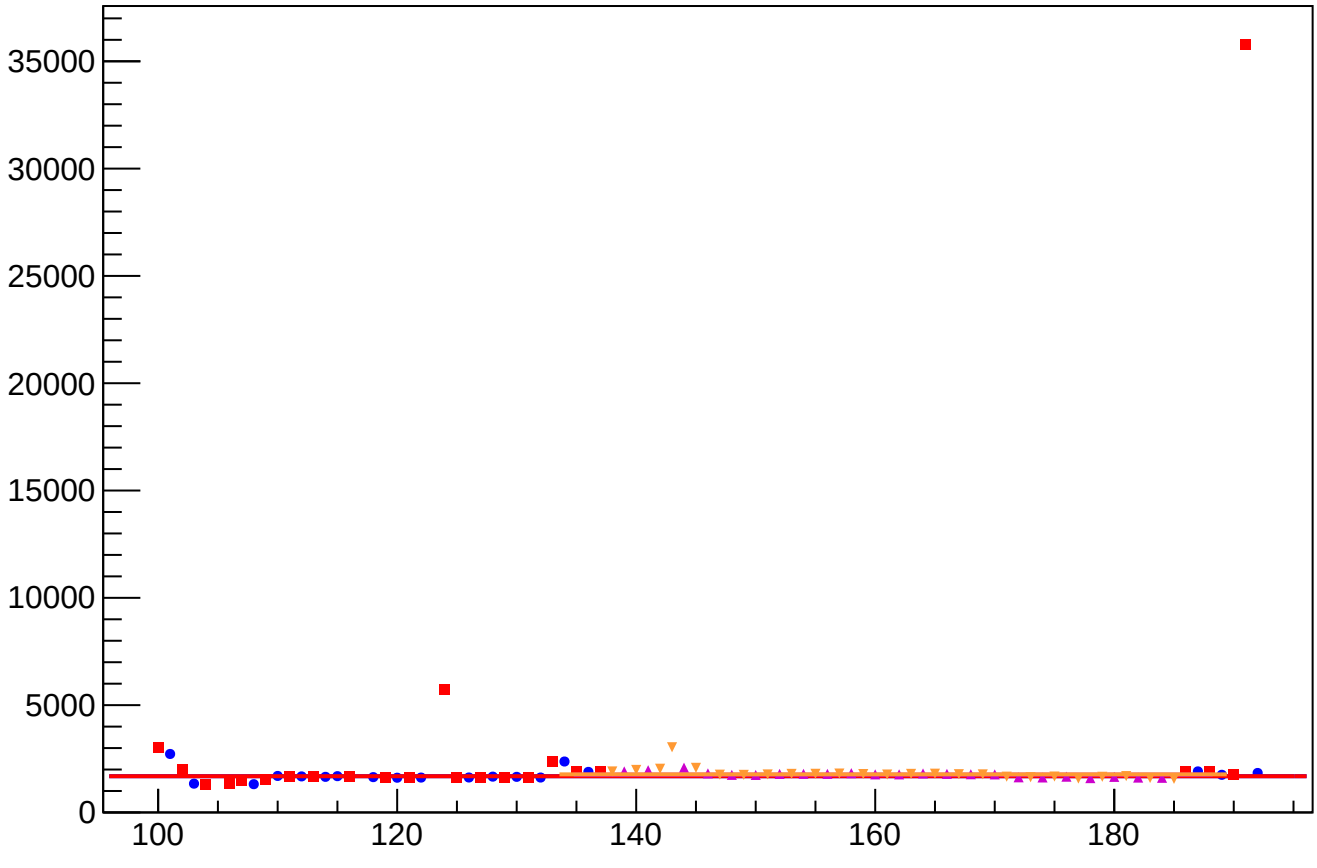
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2456.596+/-404.433 χ^2/NDF: 23.7/41

In: 2994.923+/-334.529 χ^2/NDF:15.6/41

Out: 1208.551+/-330.634 χ^2/NDF:63.3/47

All: 2091.278+/-235.158 χ^2/NDF: 93.3/89



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: 1688.243+/-0.404 χ^2/NDF: 627495.1/22

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

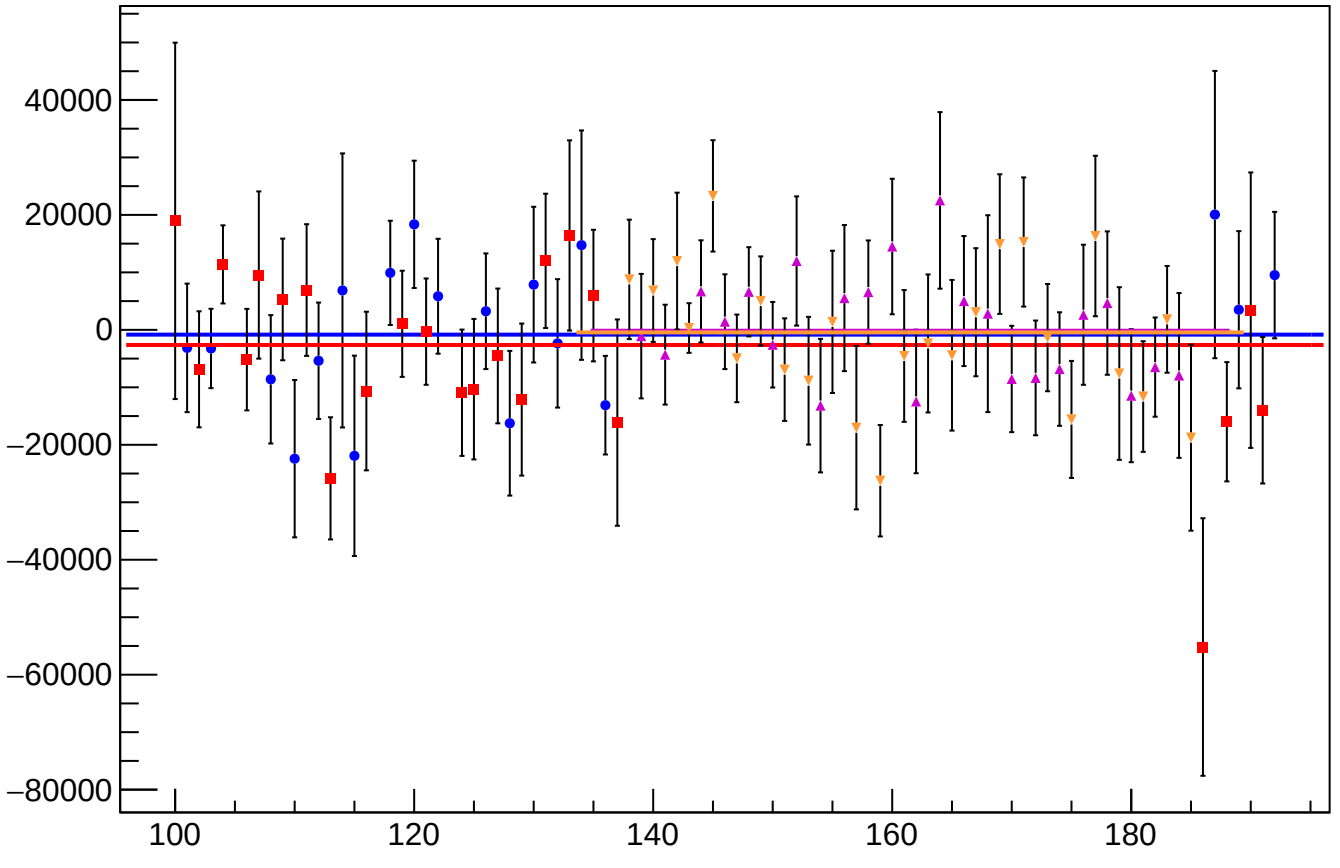
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1688.593+/-0.286 χ^2/NDF: 1066238.9/41

In: 1736.492+/-0.237 χ^2/NDF:605909.5/41

Out: 1745.731+/-0.234 χ^2/NDF:1104891.6/47

All: 1741.166+/-0.166 χ^2/NDF: 1711572.7/89



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: -2635.473+/-2404.439 χ^2/NDF: 25.8/22

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

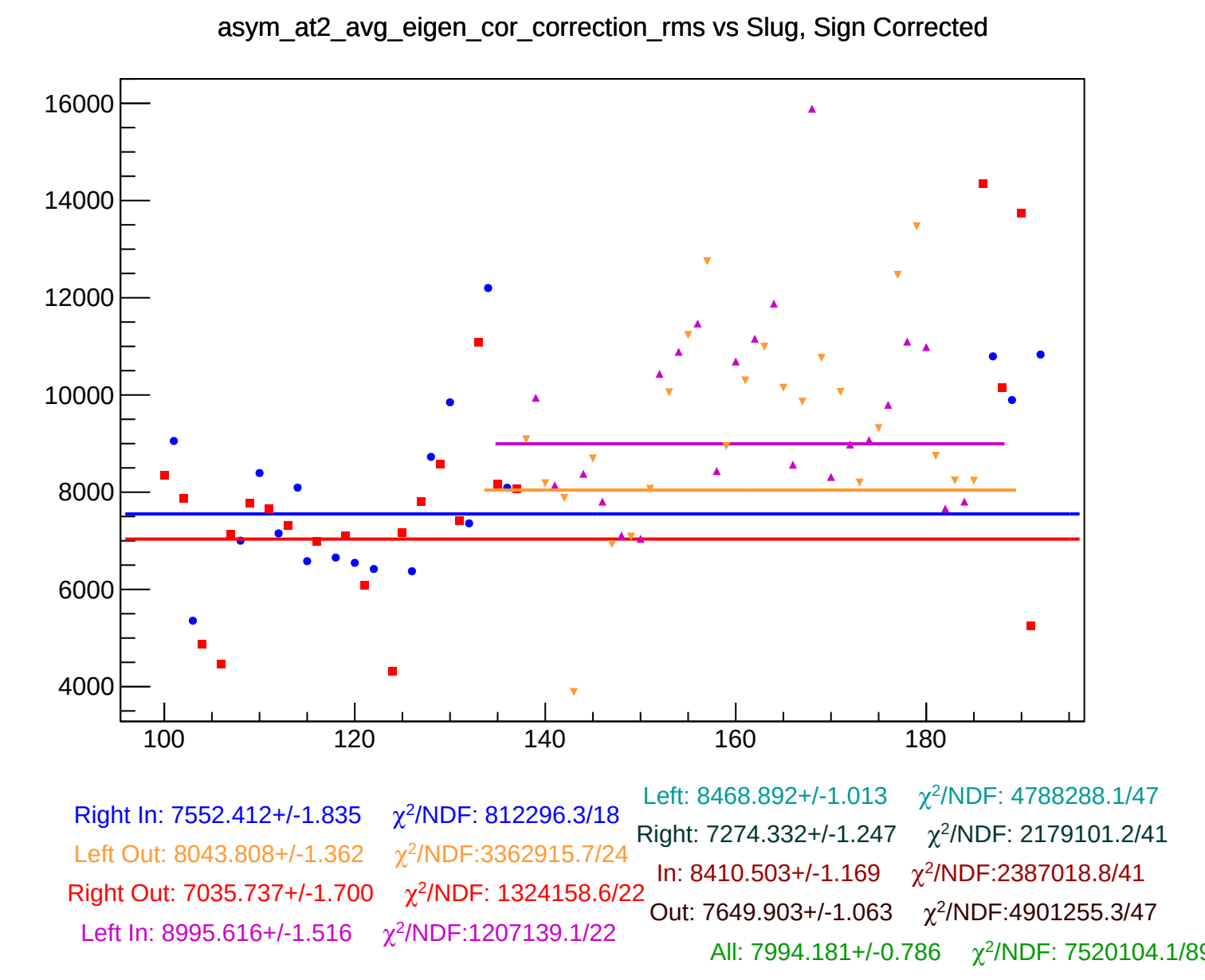
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

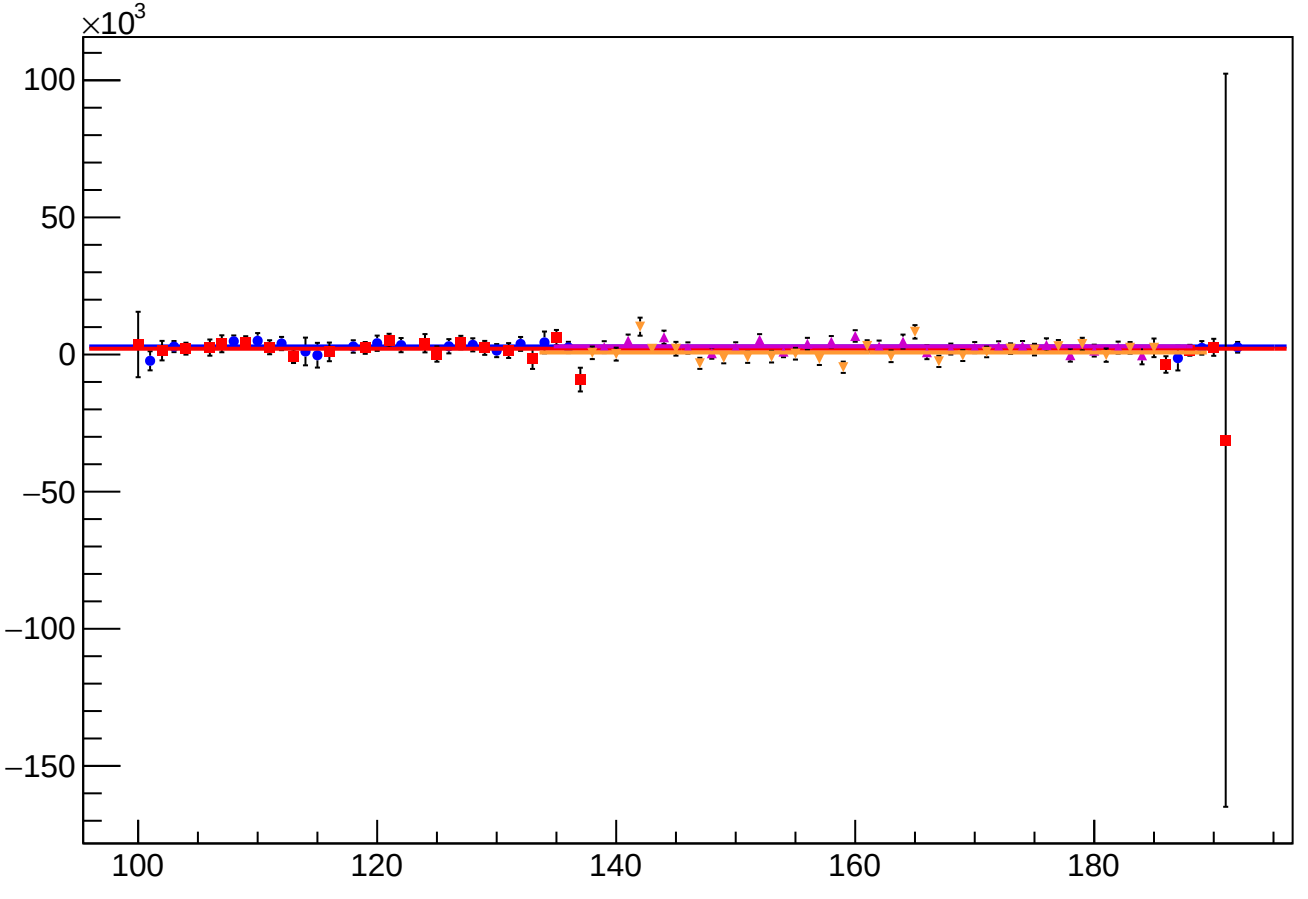
Right: -1802.969+/-1763.965 χ^2/NDF: 42.3/41

In: -429.897+/-1652.813 χ^2/NDF:30.0/41

Out: -1299.946+/-1503.016 χ^2/NDF:55.8/47

All: -906.127+/-1111.988 χ^2/NDF: 86.0/89


asym_at2_avg_eigen_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: 7035.737+/-1.700 χ²/NDF: 1324158.6/22
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 7274.332+/-1.247 χ²/NDF: 2179101.2/41
In: 8410.503+/-1.169 χ²/NDF:2387018.8/41
Out: 7649.903+/-1.063 χ²/NDF:4901255.3/47
All: 7994.181+/-0.786 χ²/NDF: 7520104.1/89



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: 2116.784+/-585.467 χ^2/NDF: 20.0/22

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

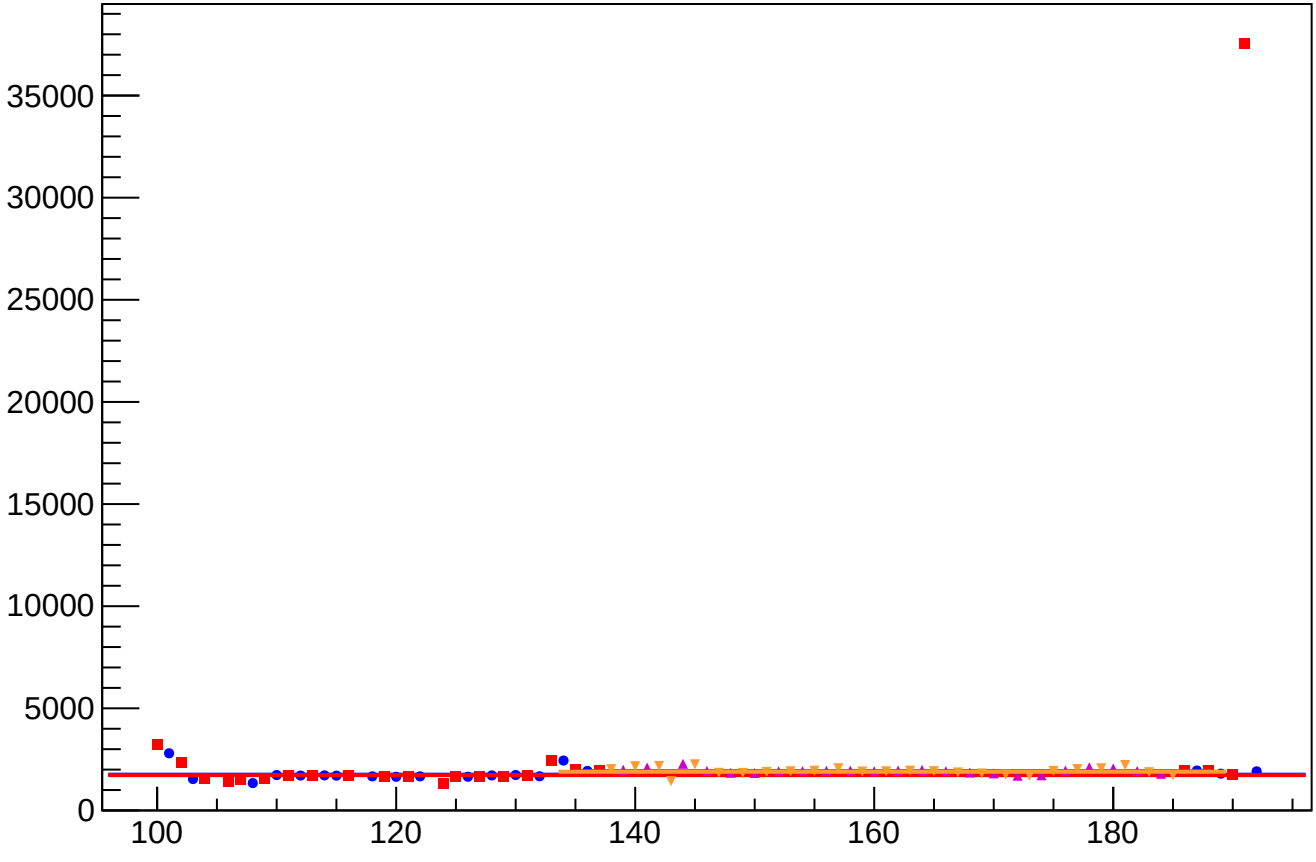
Right: 2530.977+/-416.899 χ^2/NDF: 27.4/41

In: 2971.119+/-358.814 χ^2/NDF:22.0/41

Out: 1225.997+/-348.070 χ^2/NDF:65.2/47

All: 2072.040+/-249.835 χ^2/NDF: 99.4/89

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: 1729.529+/-0.414 χ^2/NDF: 476876.7/22

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

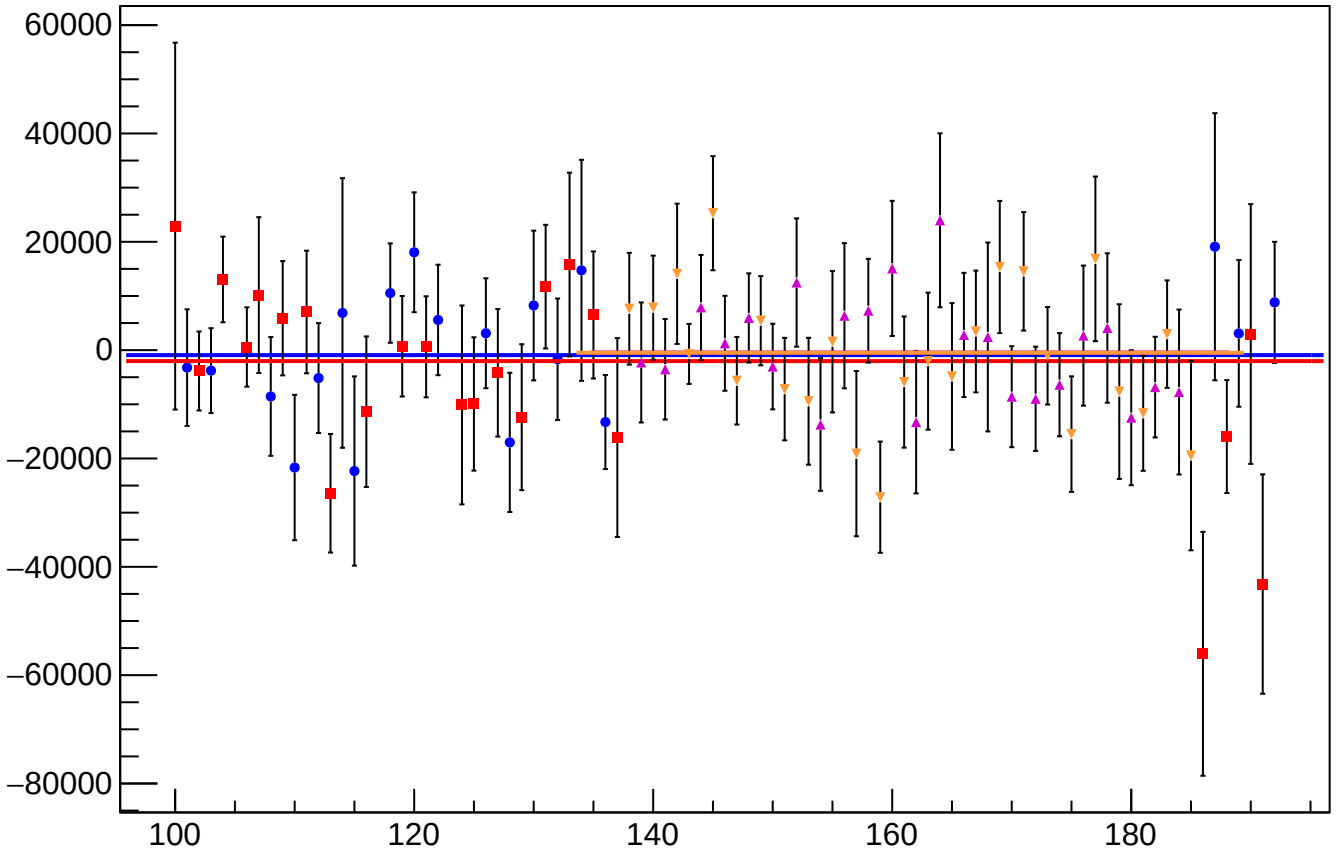
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1740.535+/-0.295 χ^2/NDF: 866071.1/41

In: 1860.533+/-0.254 χ^2/NDF:644252.4/41

Out: 1836.287+/-0.246 χ^2/NDF:948404.0/47

All: 1848.040+/-0.177 χ^2/NDF: 1597361.9/89



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: -2020.526+/-2413.756 χ^2/NDF: 28.5/22

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

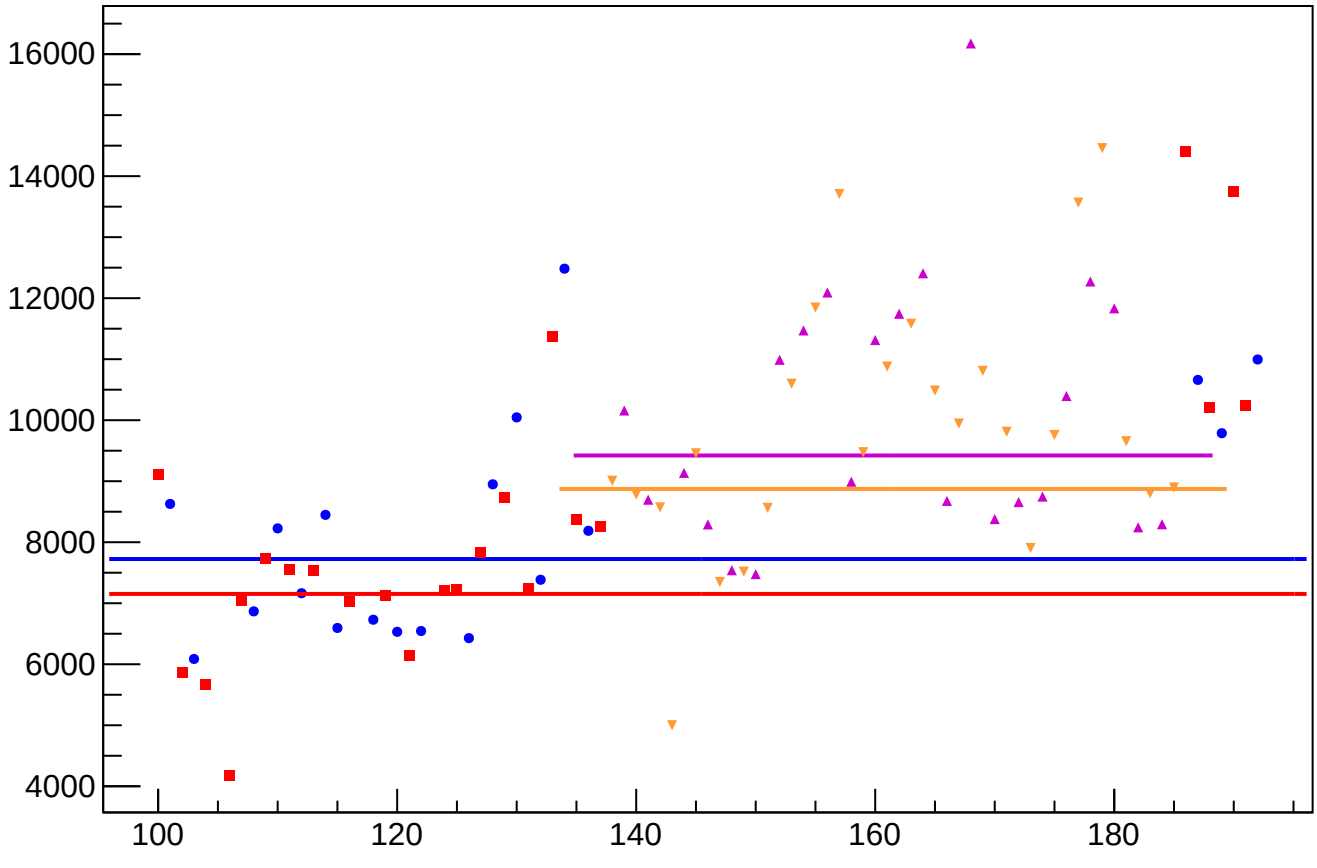
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

Right: -1520.021+/-1783.298 χ^2/NDF: 44.6/41

In: -638.374+/-1711.987 χ^2/NDF:29.6/41

Out: -1139.436+/-1579.682 χ^2/NDF:57.5/47

All: -909.012+/-1160.963 χ^2/NDF: 87.2/89



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: 7152.553+/-1.707 χ^2/NDF: 1270035.7/22

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

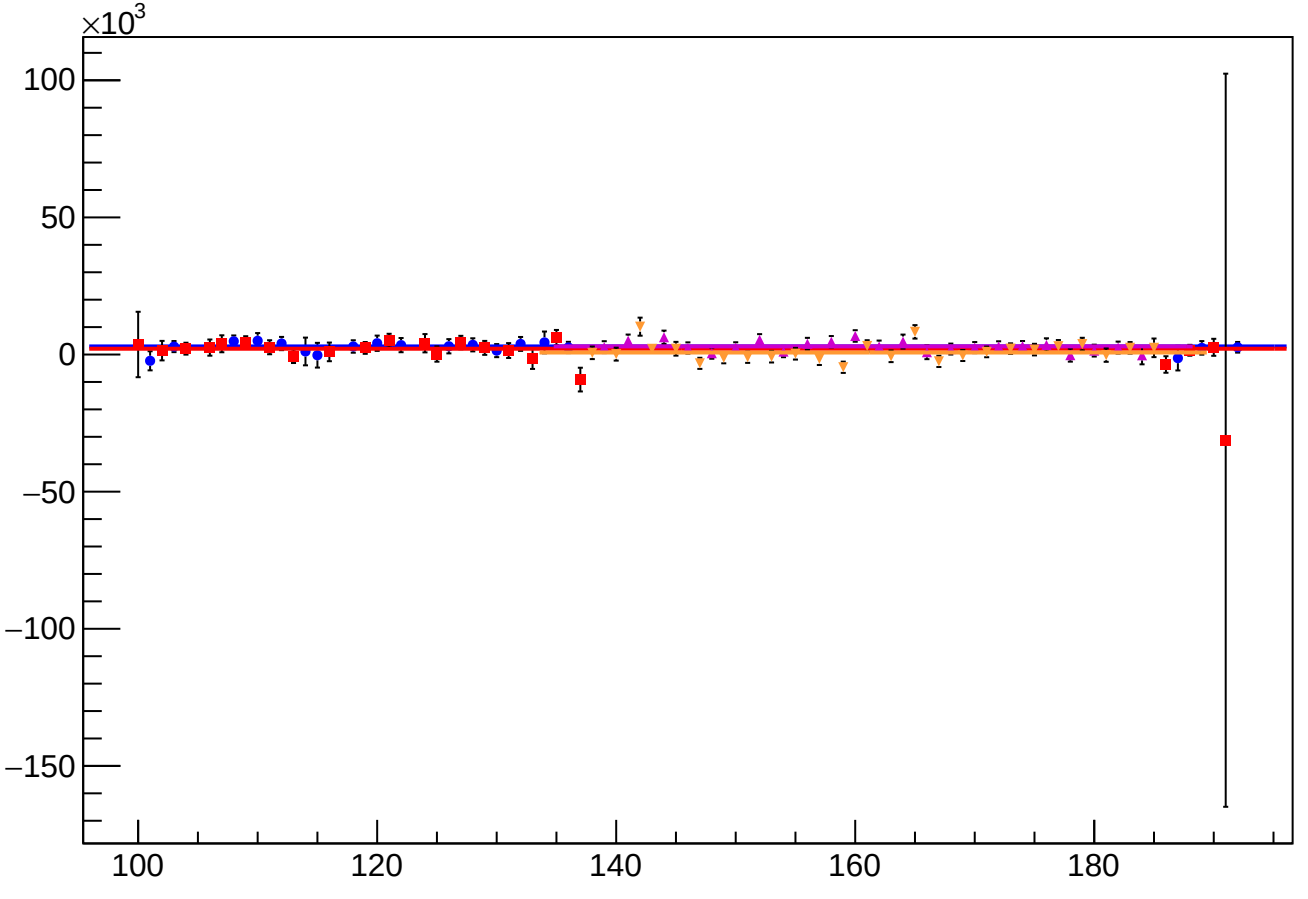
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 7412.365+/-1.261 χ^2/NDF: 1996957.6/41

In: 8711.359+/-1.211 χ^2/NDF:2359052.1/41

Out: 8136.463+/-1.117 χ^2/NDF:4054571.5/47

All: 8400.841+/-0.821 χ^2/NDF: 6535440.0/89



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: 2116.791+/-585.467 χ^2/NDF: 20.0/22

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

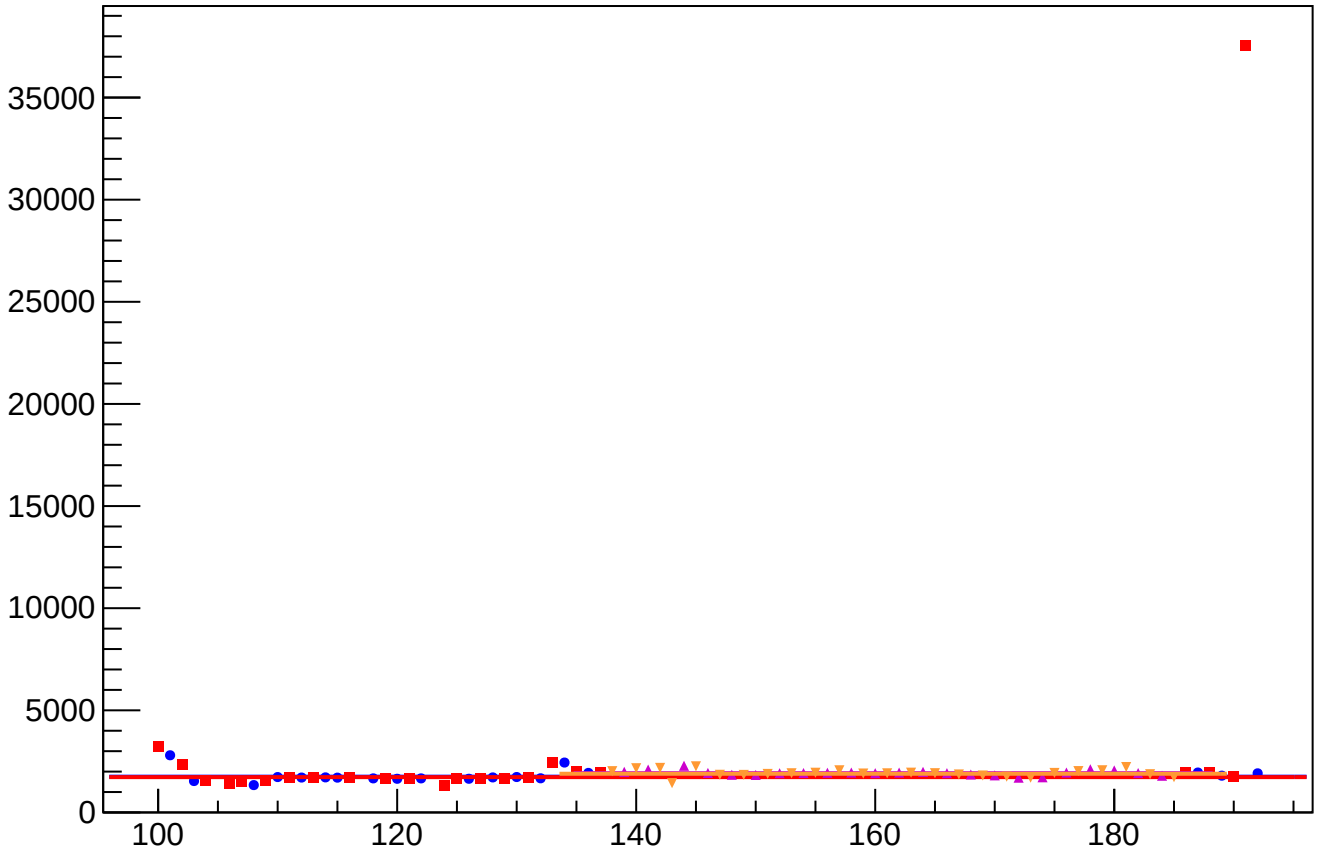
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2530.982+/-416.898 χ^2/NDF: 27.4/41

In: 2971.121+/-358.814 χ^2/NDF:22.0/41

Out: 1225.993+/-348.070 χ^2/NDF:65.2/47

All: 2072.039+/-249.835 χ^2/NDF: 99.4/89



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: 1729.529+/-0.414 χ^2/NDF: 476876.9/22

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

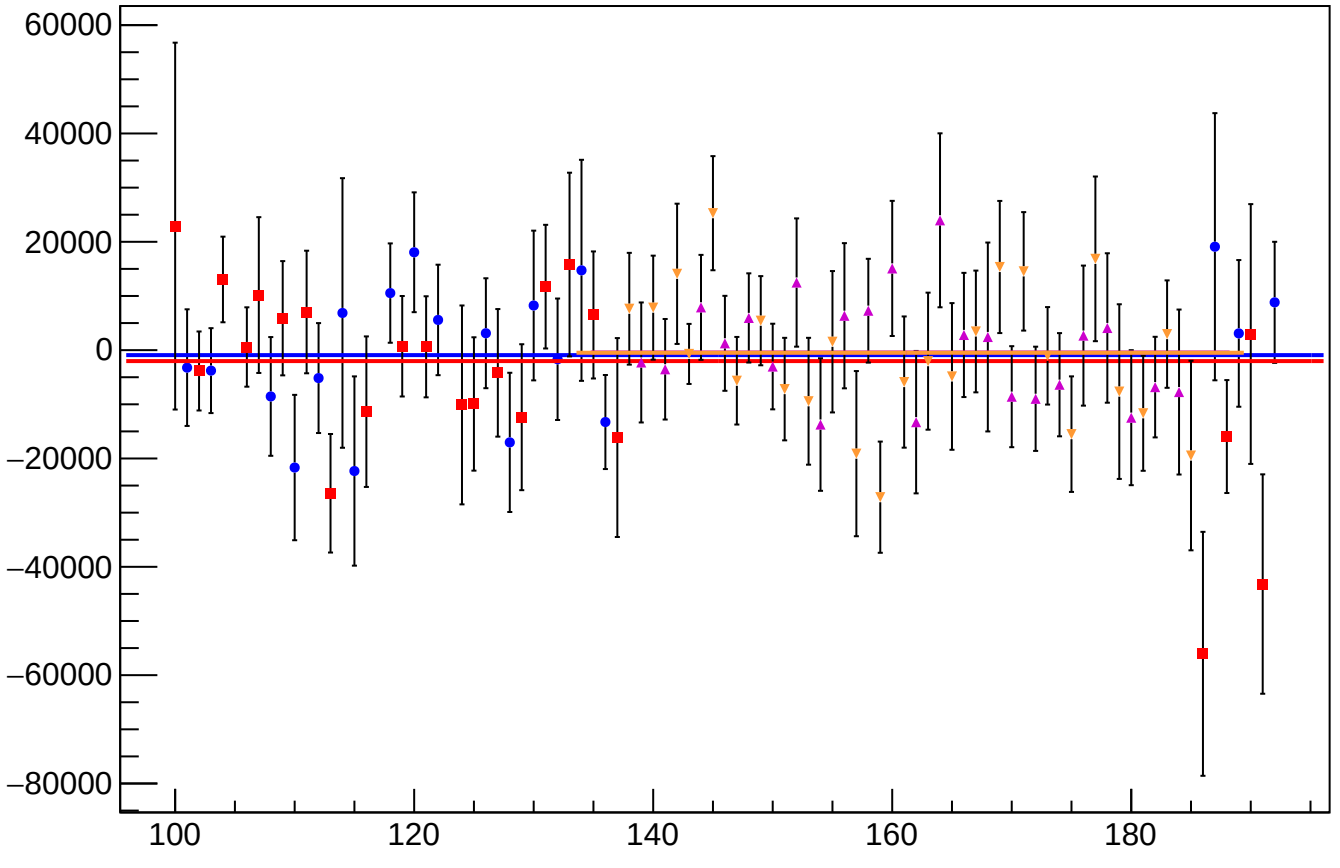
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1740.535+/-0.295 χ^2/NDF: 866070.9/41

In: 1860.535+/-0.254 χ^2/NDF:644264.5/41

Out: 1836.288+/-0.246 χ^2/NDF:948416.1/47

All: 1848.042+/-0.177 χ^2/NDF: 1597386.0/89



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: -2020.510+/-2413.751 χ^2/NDF: 28.5/22

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

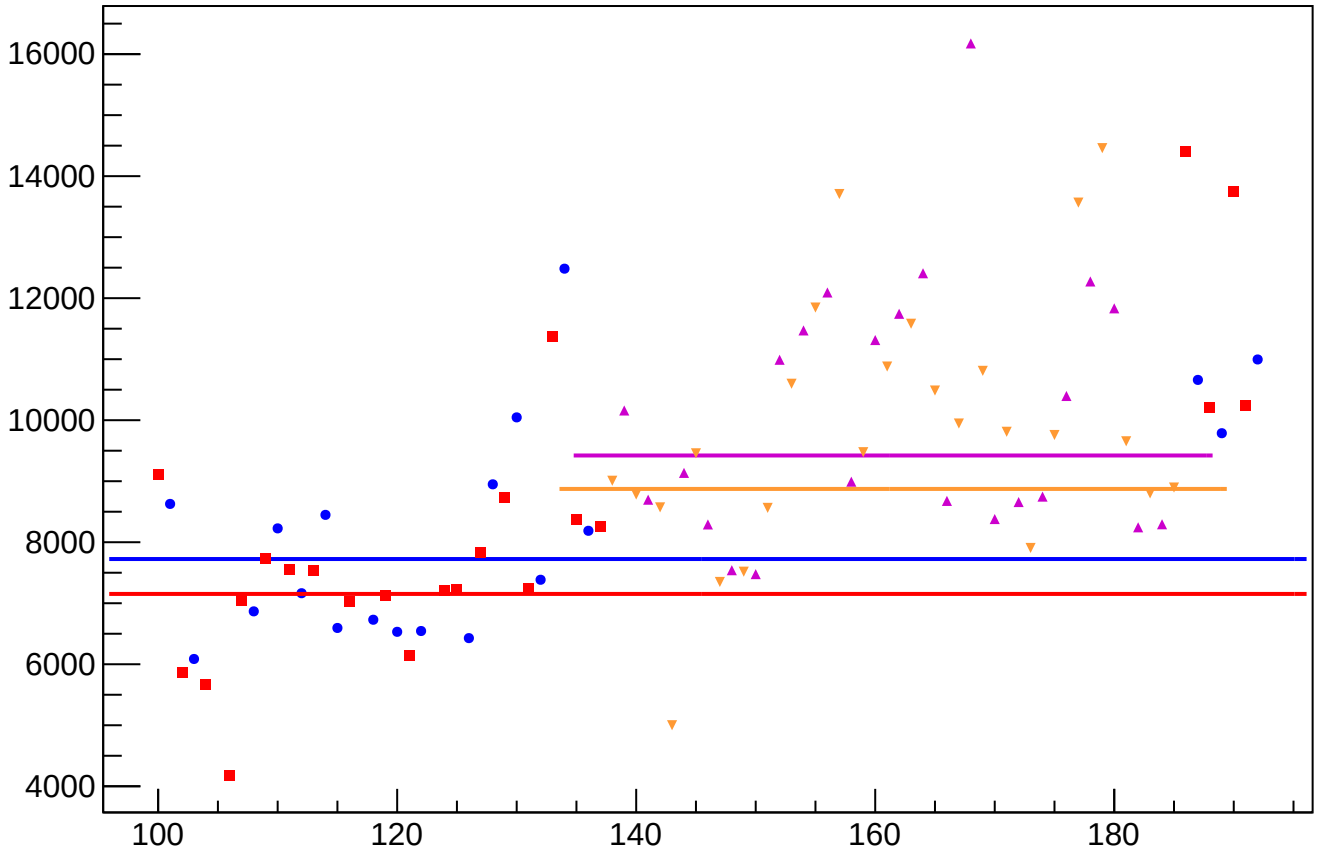
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -1520.006+/-1783.295 χ^2/NDF: 44.6/41

In: -638.370+/-1711.987 χ^2/NDF:29.6/41

Out: -1139.436+/-1579.682 χ^2/NDF:57.5/47

All: -909.010+/-1160.963 χ^2/NDF: 87.2/89



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: 7152.538+/-1.707 χ^2/NDF: 1270038.3/22

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

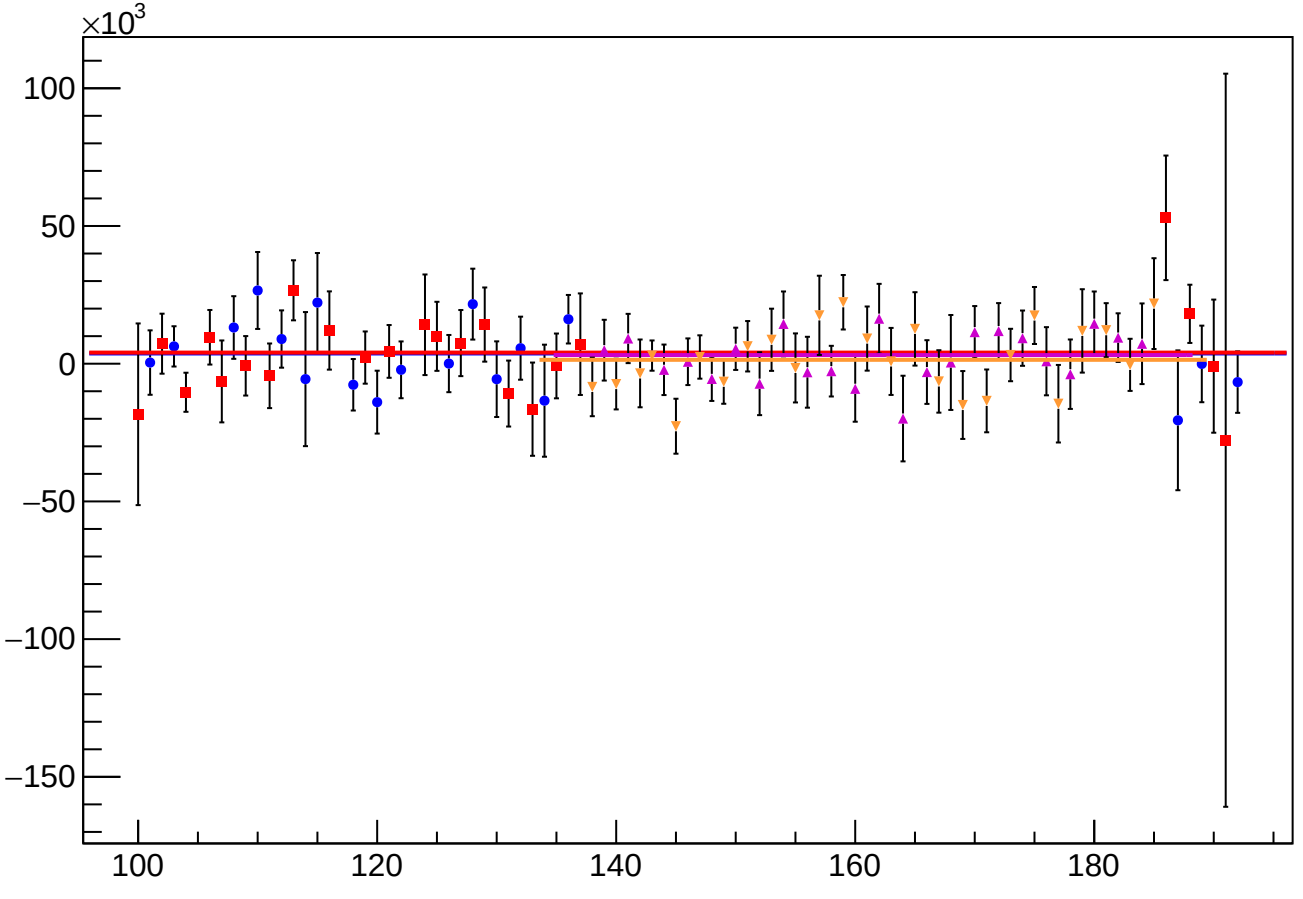
Right: 7412.350+/-1.261 χ^2/NDF: 1996967.2/41

In: 8711.358+/-1.211 χ^2/NDF:2359080.7/41

Out: 8136.462+/-1.117 χ^2/NDF:4054595.4/47

All: 8400.840+/-0.821 χ^2/NDF: 6535492.2/89

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: 4032.233+/-2579.362 χ^2/NDF: 21.8/22

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

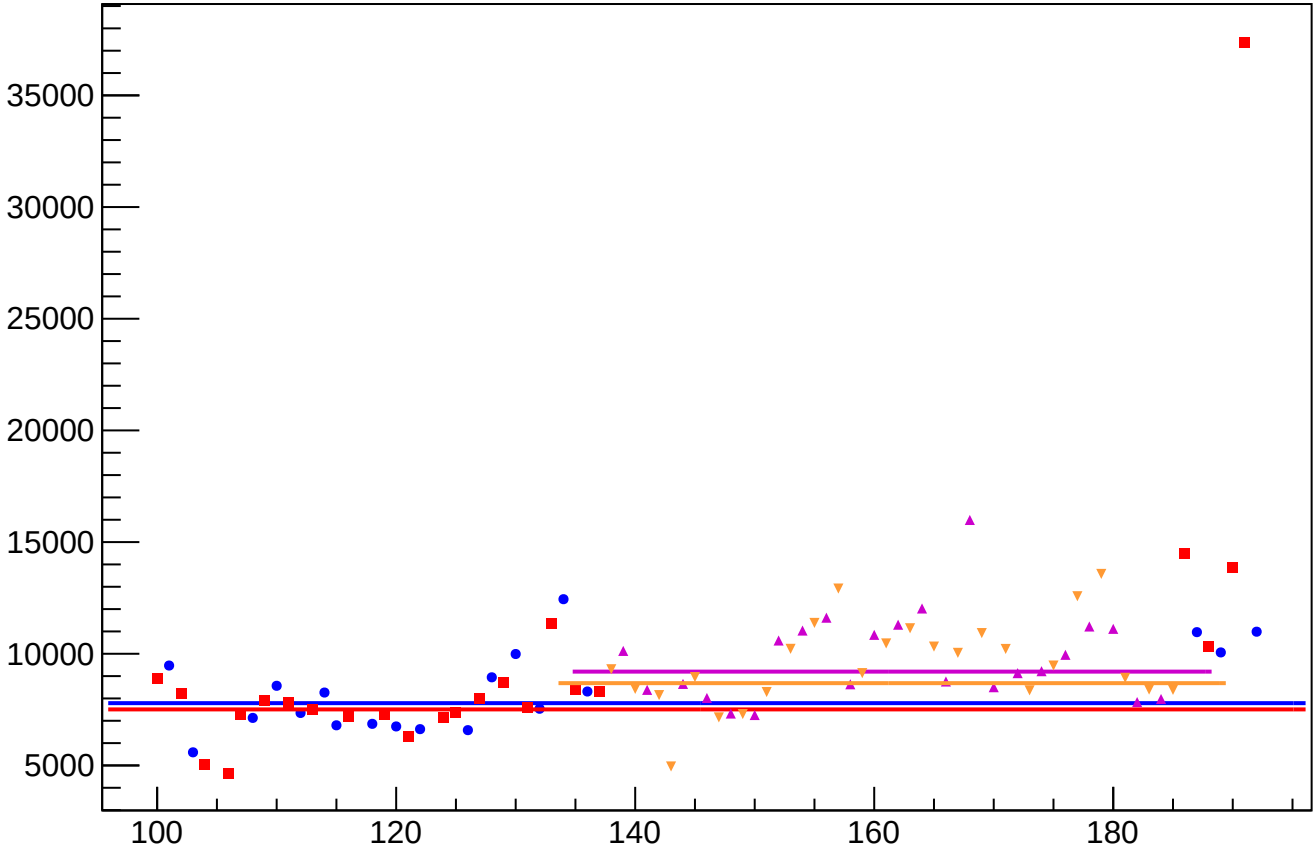
Right: 3877.843+/-1856.897 χ^2/NDF: 38.2/41

In: 3368.890+/-1694.388 χ^2/NDF:29.3/41

Out: 2417.967+/-1600.011 χ^2/NDF:49.9/47

All: 2866.209+/-1163.313 χ^2/NDF: 79.4/89

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: 7508.885+/-1.824 χ^2/NDF: 1175858.7/22

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

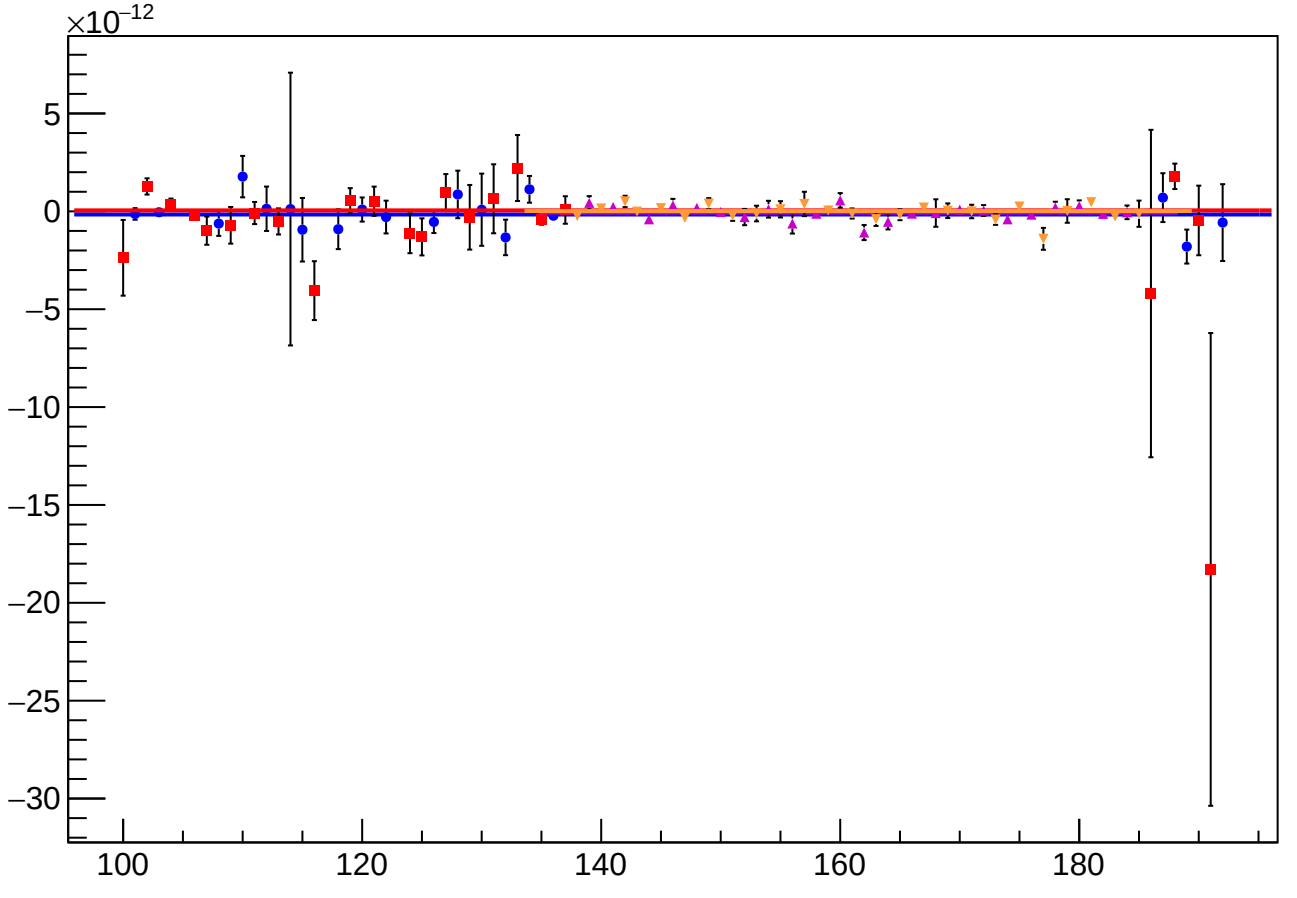
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 7643.846+/-1.313 χ^2/NDF: 1951470.5/41

In: 8634.535+/-1.198 χ^2/NDF:2227186.6/41

Out: 8232.125+/-1.131 χ^2/NDF:3483125.9/47

All: 8421.806+/-0.823 χ^2/NDF: 5769947.5/89



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: 42.8/22

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

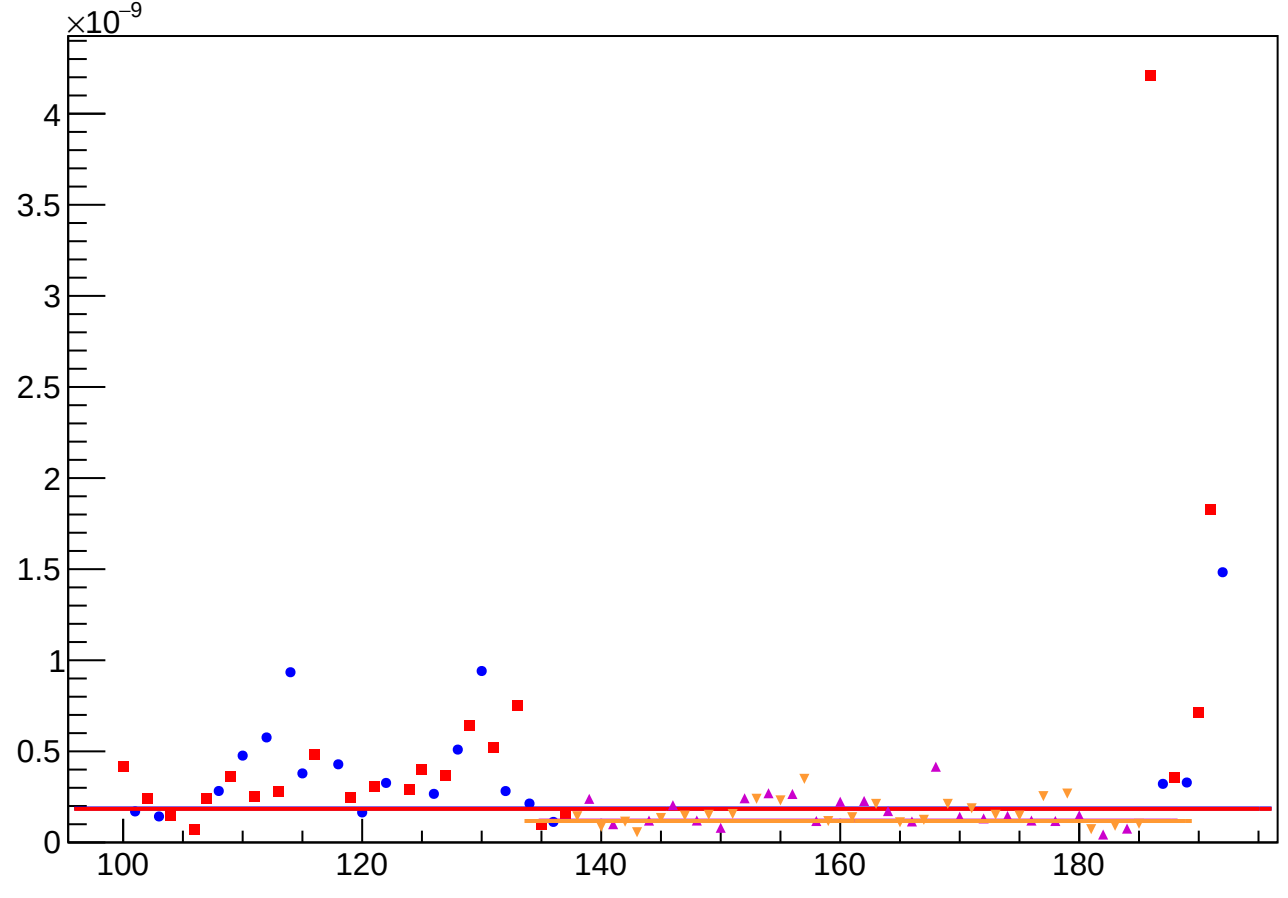
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 60.1/41

In: -0.000+/-0.000 χ^2/NDF:44.1/41

Out: 0.000+/-0.000 χ^2/NDF:71.7/47

All: -0.000+/-0.000 χ^2/NDF: 118.0/89



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: 2470864.9/22

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

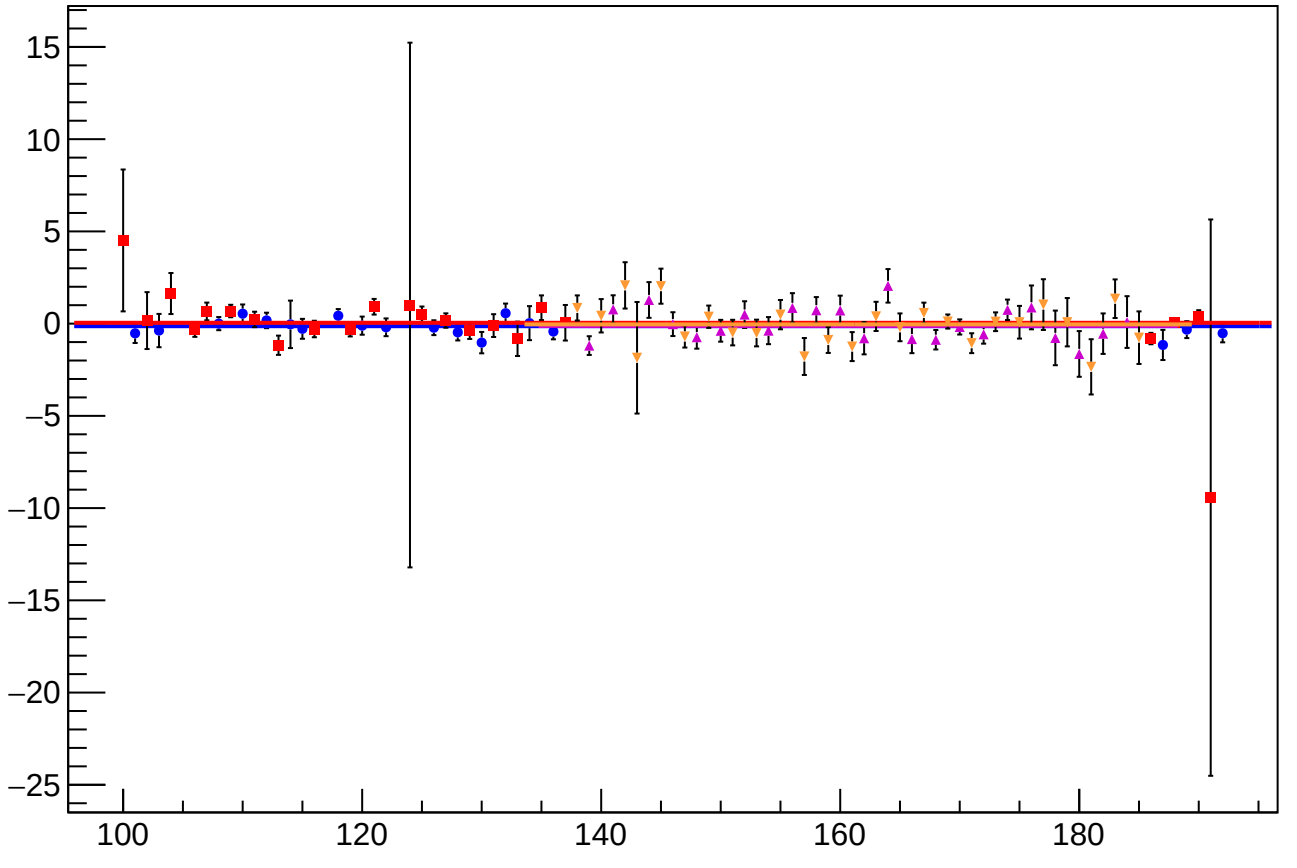
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 4962501.0/41

In: 0.000+/-0.000 χ^2/NDF:5685316.5/41

Out: 0.000+/-0.000 χ^2/NDF:5330164.9/47

All: 0.000+/-0.000 χ^2/NDF: 11021372.0/89



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: 0.046+/-0.090 χ^2/NDF: 34.8/22

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

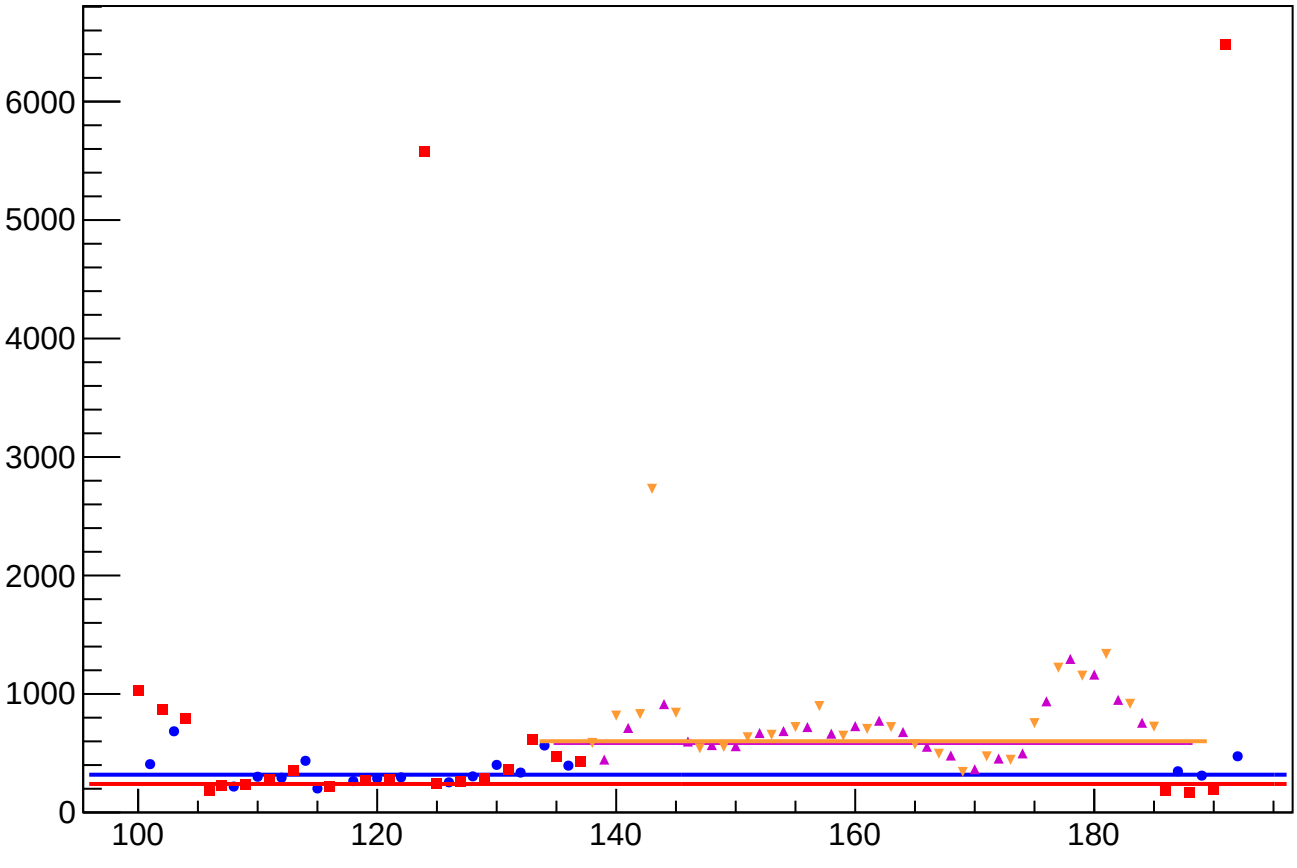
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.026+/-0.071 χ^2/NDF: 49.7/41

In: -0.135+/-0.089 χ^2/NDF:42.3/41

Out: 0.022+/-0.077 χ^2/NDF:65.2/47

All: -0.045+/-0.058 χ^2/NDF: 109.3/89



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: 240.455+/-0.064 χ^2/NDF: 2911658.9/22

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

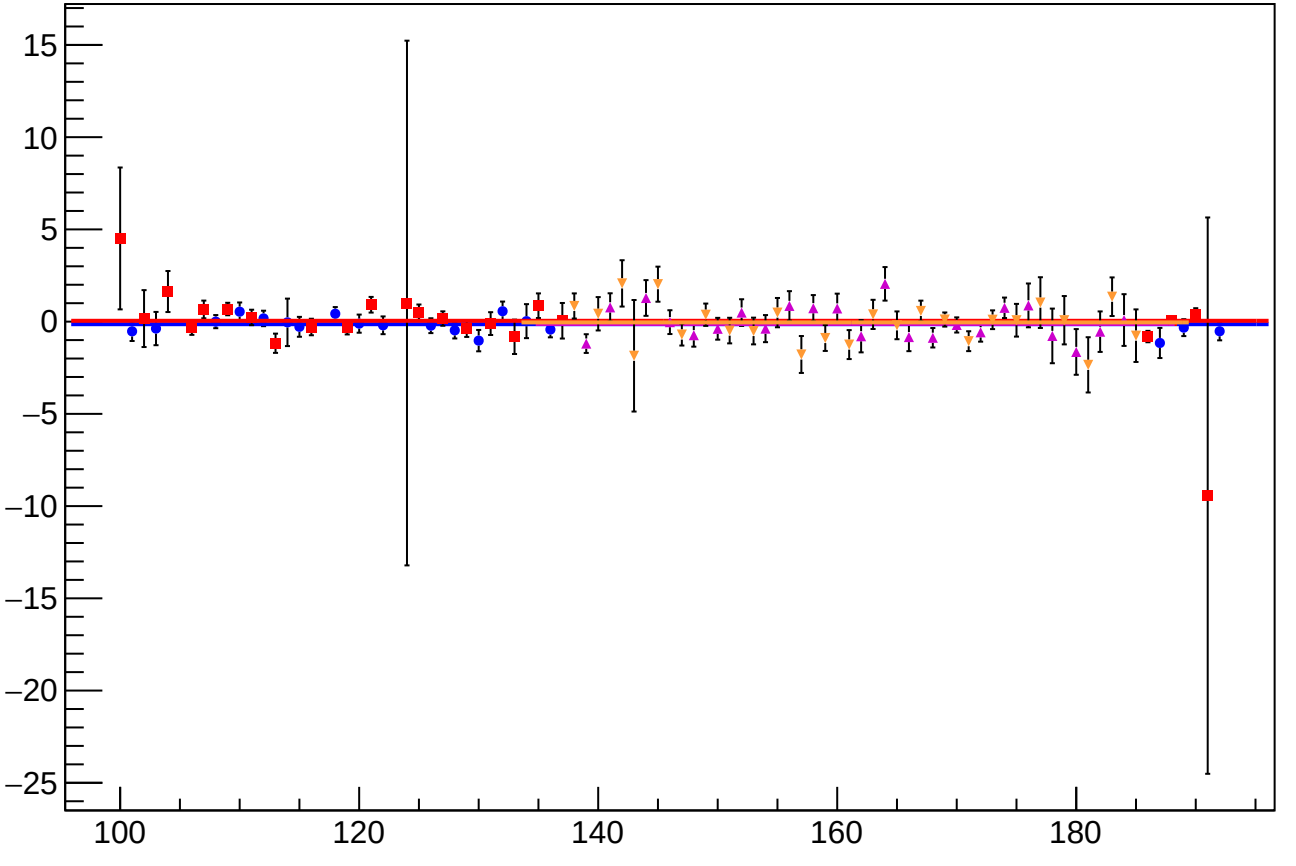
Right: 270.853+/-0.050 χ^2/NDF: 4721586.6/41

In: 420.309+/-0.063 χ^2/NDF:8398589.5/41

Out: 339.016+/-0.055 χ^2/NDF:16065636.2/47

All: 373.696+/-0.041 χ^2/NDF: 25412631.5/89

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: 0.046+/-0.090 χ^2/NDF: 34.8/22

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

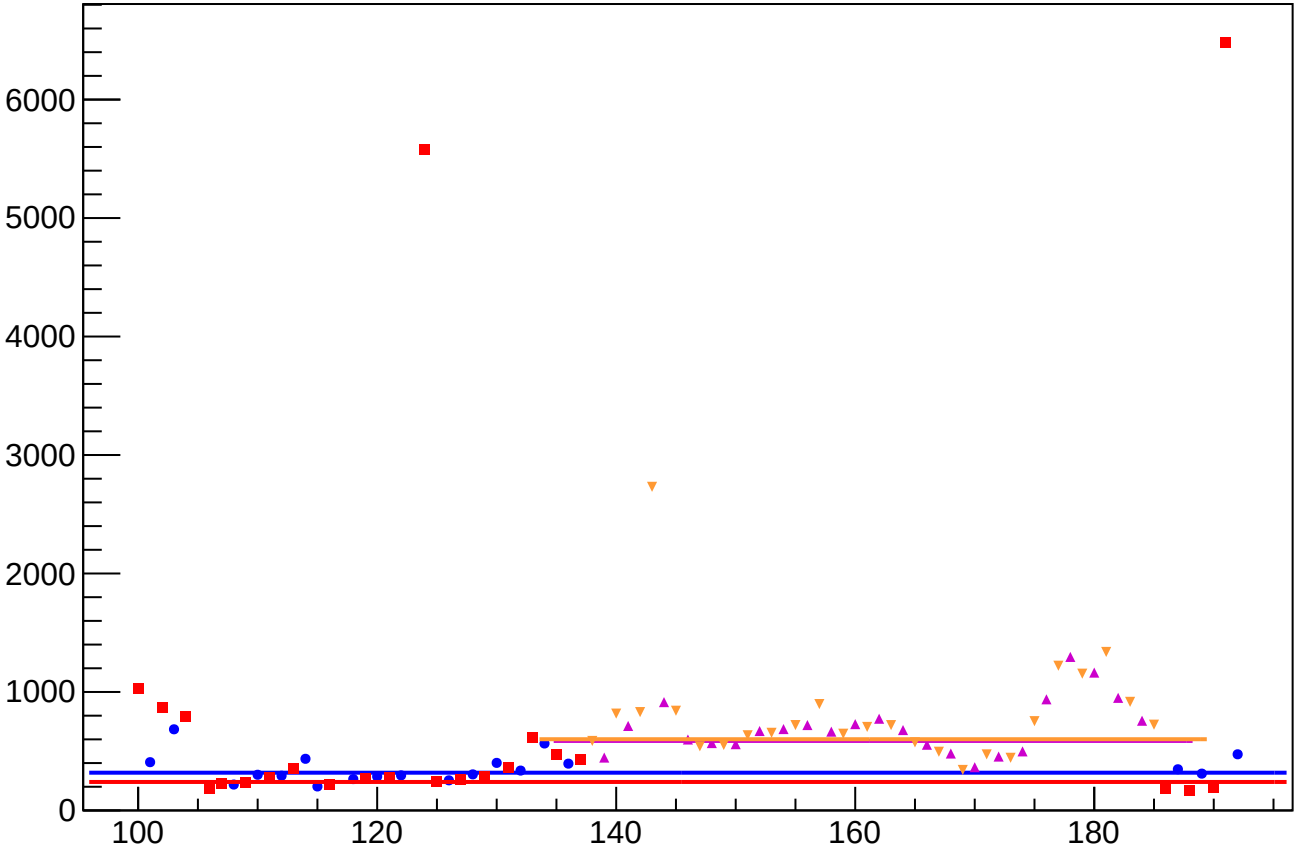
Right: -0.026+/-0.071 χ^2/NDF: 49.7/41

In: -0.135+/-0.089 χ^2/NDF:42.3/41

Out: 0.022+/-0.077 χ^2/NDF:65.2/47

All: -0.045+/-0.058 χ^2/NDF: 109.3/89

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: 240.455+/-0.064 χ^2/NDF: 2911658.9/22

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

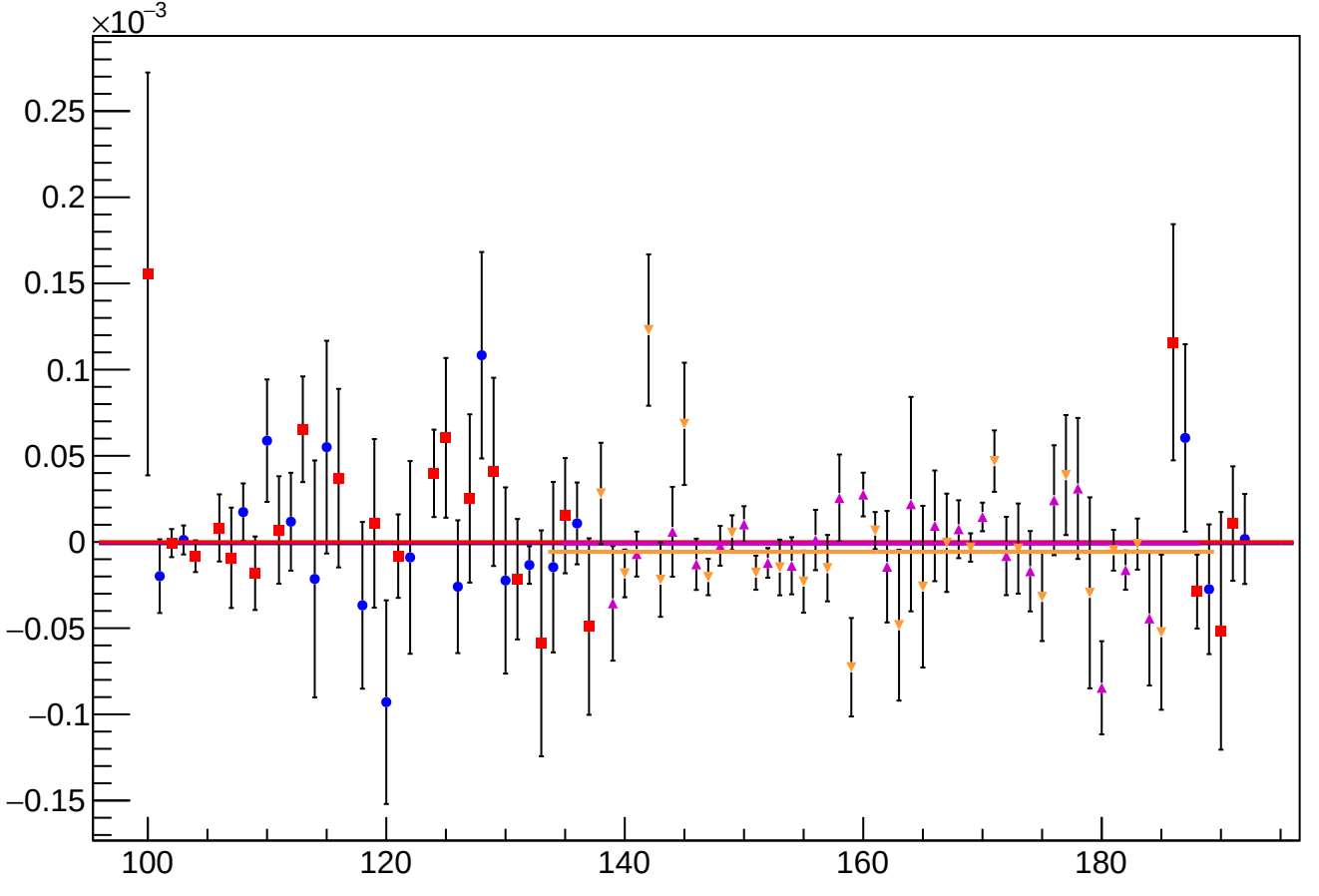
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 270.853+/-0.050 χ^2/NDF: 4721586.6/41

In: 420.309+/-0.063 χ^2/NDF:8398589.5/41

Out: 339.016+/-0.055 χ^2/NDF:16065636.2/47

All: 373.696+/-0.041 χ^2/NDF: 25412631.5/89



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: 21.5/22

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

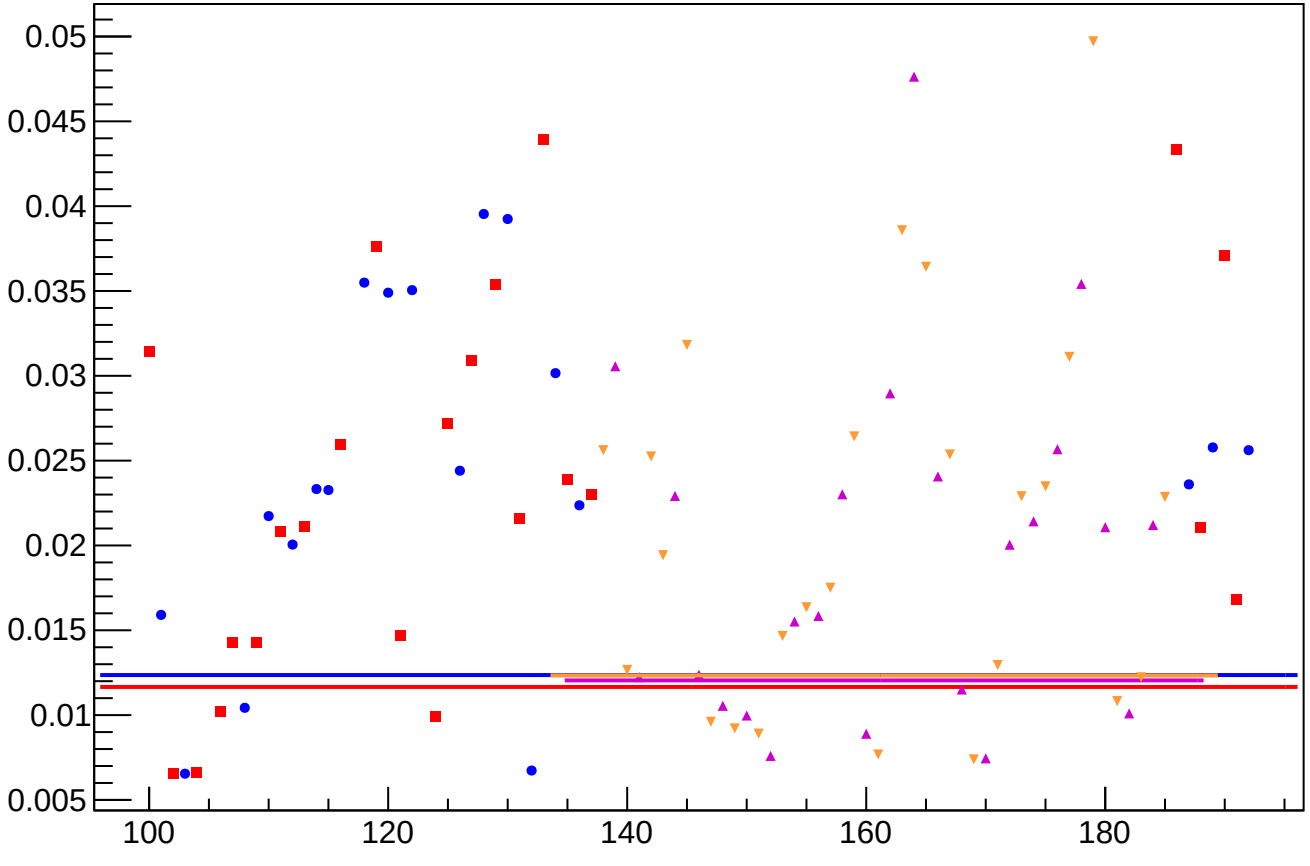
Right: -0.000+/-0.000 χ^2/NDF: 37.8/41

In: -0.000+/-0.000 χ^2/NDF:46.5/41

Out: -0.000+/-0.000 χ^2/NDF:65.0/47

All: -0.000+/-0.000 χ^2/NDF: 112.1/89

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 5668260.5/22

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

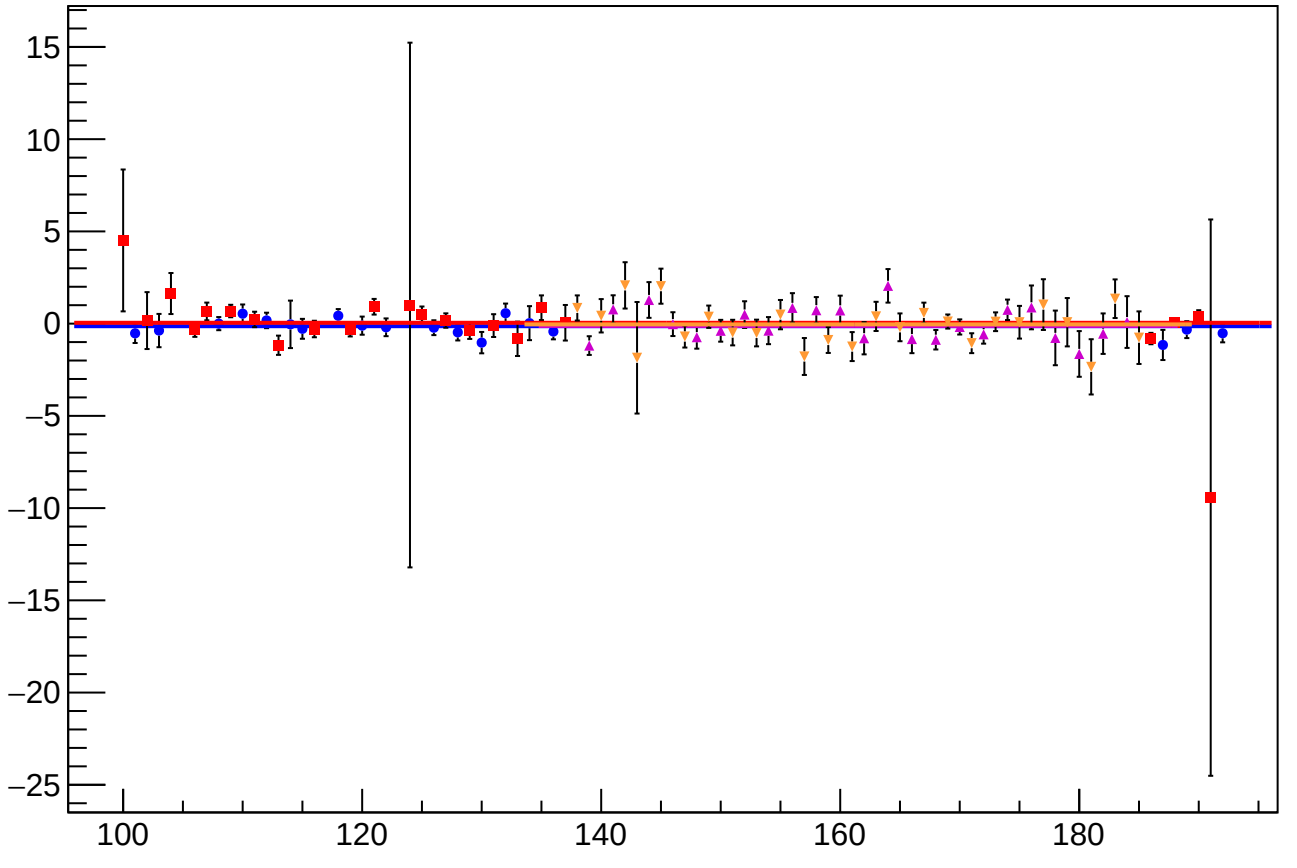
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.012+/-0.000 χ^2/NDF: 11304350.5/41

In: 0.012+/-0.000 χ^2/NDF:12000431.8/41

Out: 0.012+/-0.000 χ^2/NDF:13536068.7/47

All: 0.012+/-0.000 χ^2/NDF: 25536550.8/89



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: 0.046+/-0.090 χ^2/NDF: 34.8/22

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

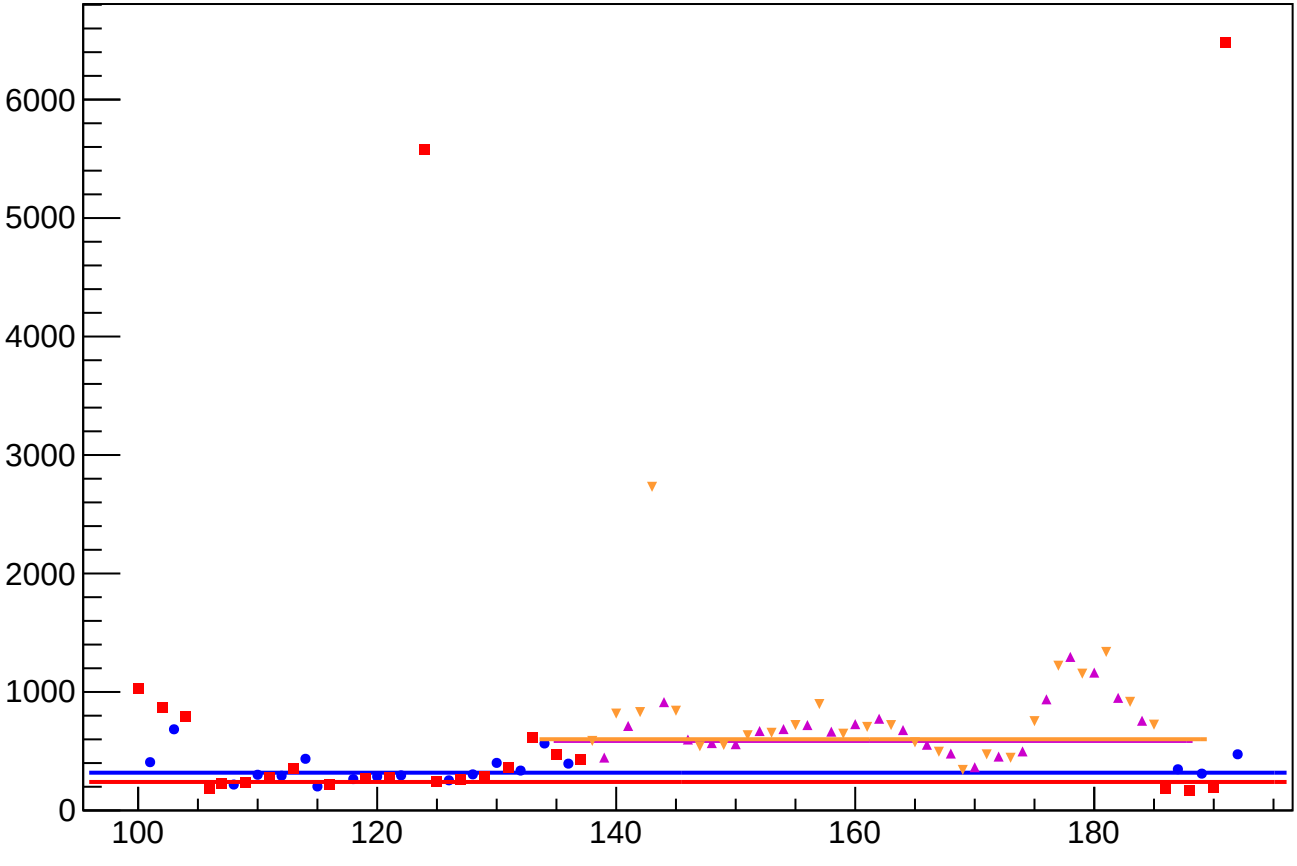
Right: -0.026+/-0.071 χ^2/NDF: 49.7/41

In: -0.135+/-0.089 χ^2/NDF:42.3/41

Out: 0.022+/-0.077 χ^2/NDF:65.2/47

All: -0.045+/-0.058 χ^2/NDF: 109.3/89

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: 240.448+/-0.064 χ^2/NDF: 2911793.6/22

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

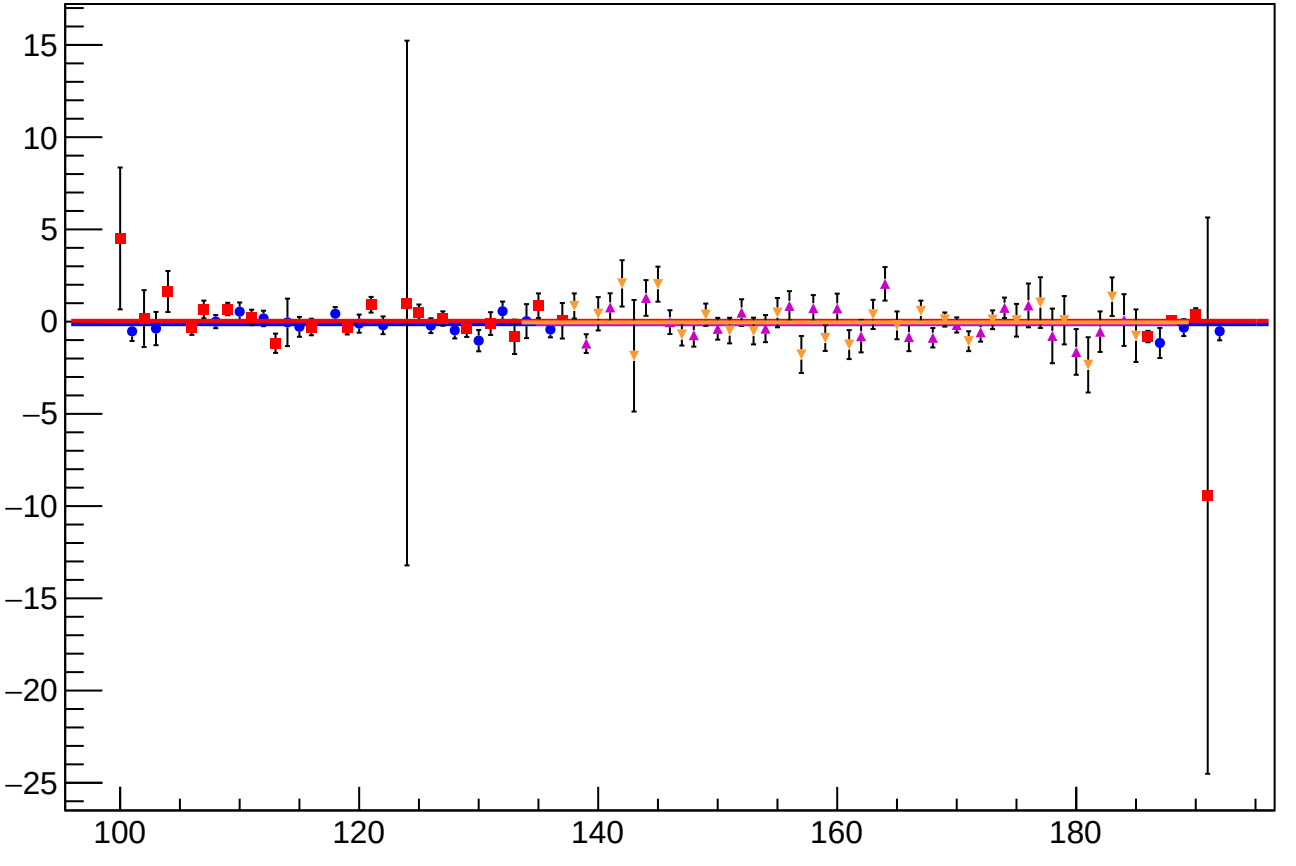
Right: 270.847+/-0.050 χ^2/NDF: 4721778.4/41

In: 420.308+/-0.063 χ^2/NDF:8398797.1/41

Out: 339.007+/-0.055 χ^2/NDF:16066382.8/47

All: 373.690+/-0.041 χ^2/NDF: 25413767.1/89

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: 0.046+/-0.090 χ^2/NDF: 34.8/22

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

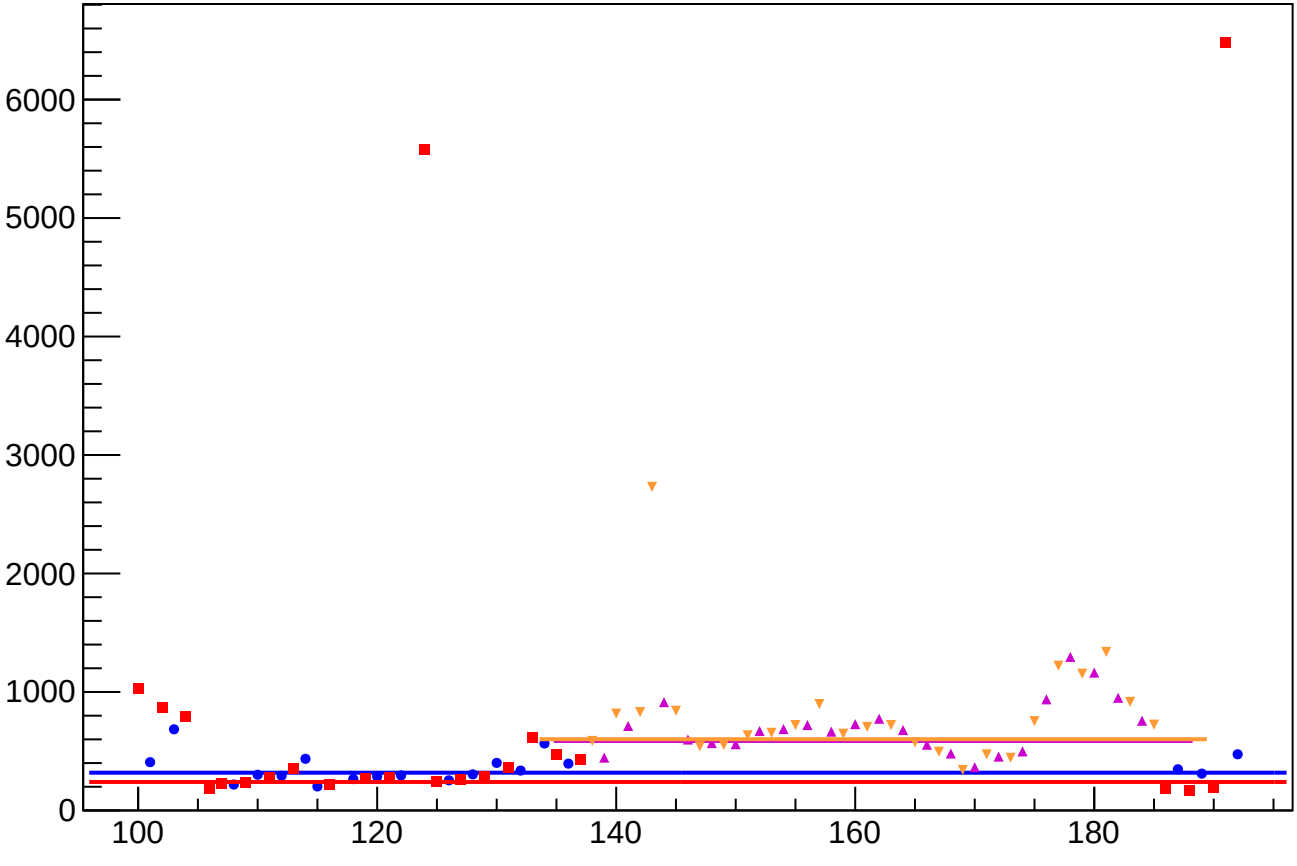
Right: -0.026+/-0.071 χ^2/NDF: 49.7/41

In: -0.135+/-0.089 χ^2/NDF:42.3/41

Out: 0.022+/-0.077 χ^2/NDF:65.2/47

All: -0.045+/-0.058 χ^2/NDF: 109.3/89

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: 240.448+/-0.064 χ^2/NDF: 2911793.6/22

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

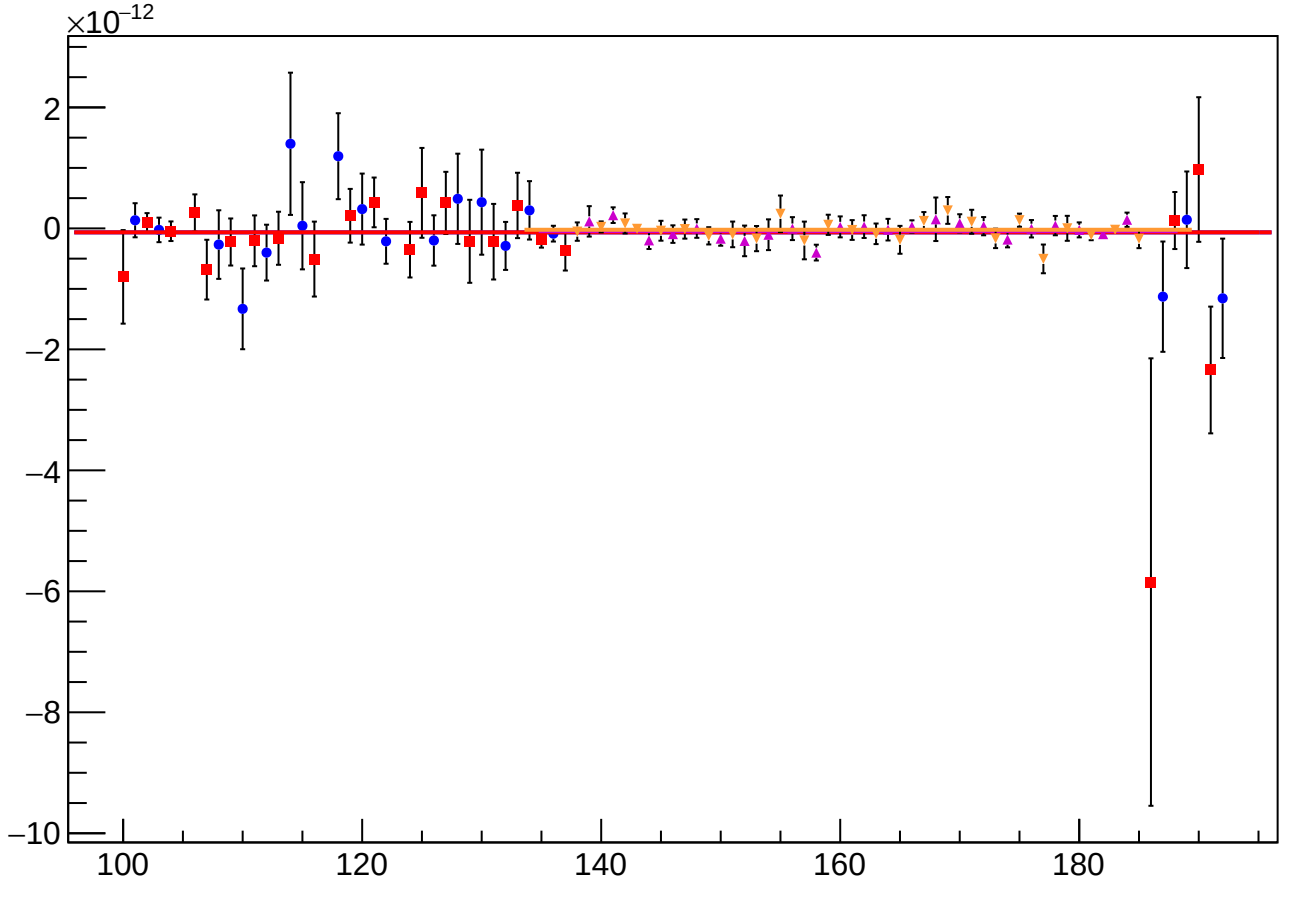
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 270.847+/-0.050 χ^2/NDF: 4721778.4/41

In: 420.308+/-0.063 χ^2/NDF:8398797.1/41

Out: 339.007+/-0.055 χ^2/NDF:16066382.8/47

All: 373.690+/-0.041 χ^2/NDF: 25413767.1/89



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: 19.5/22

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

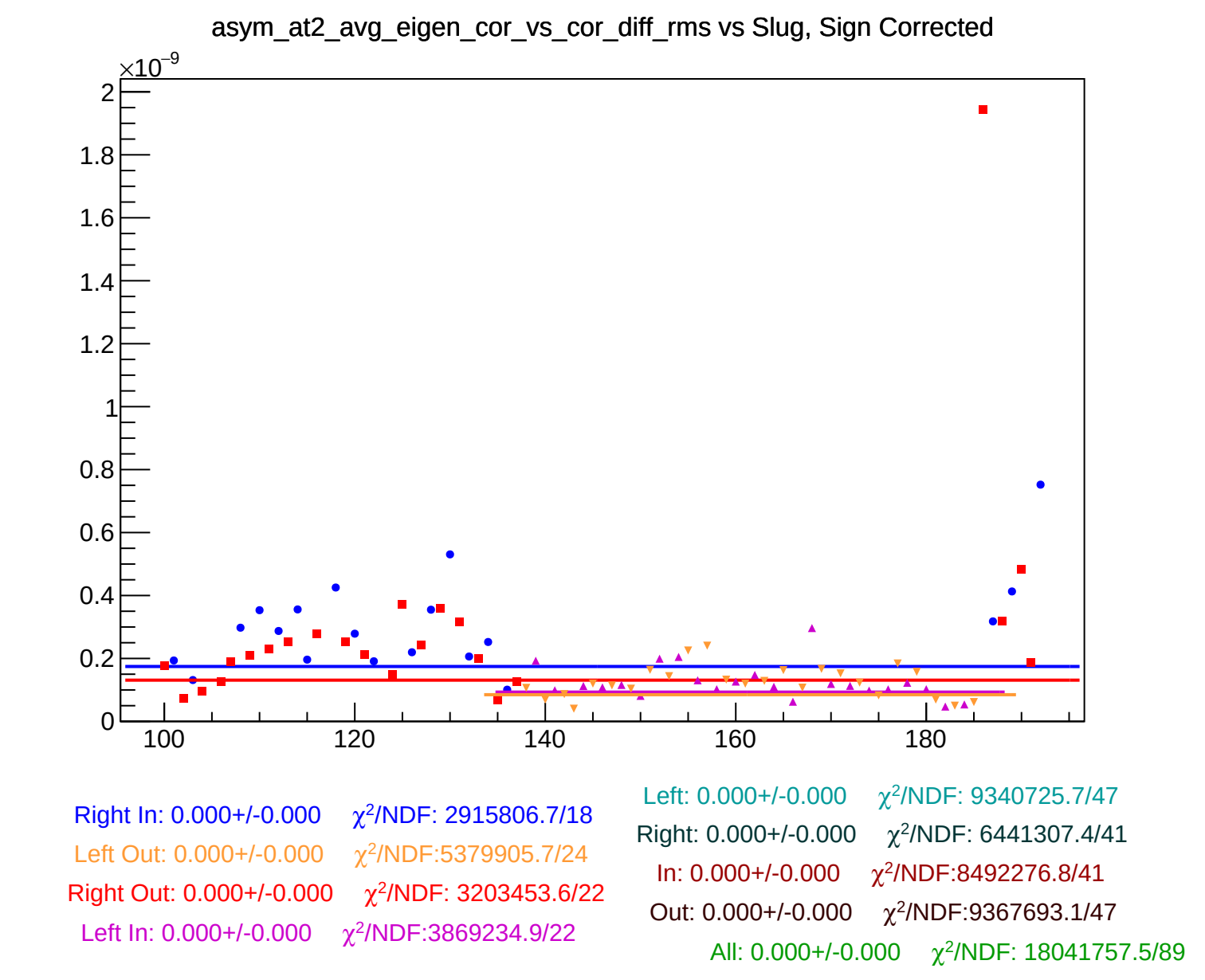
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 34.2/41

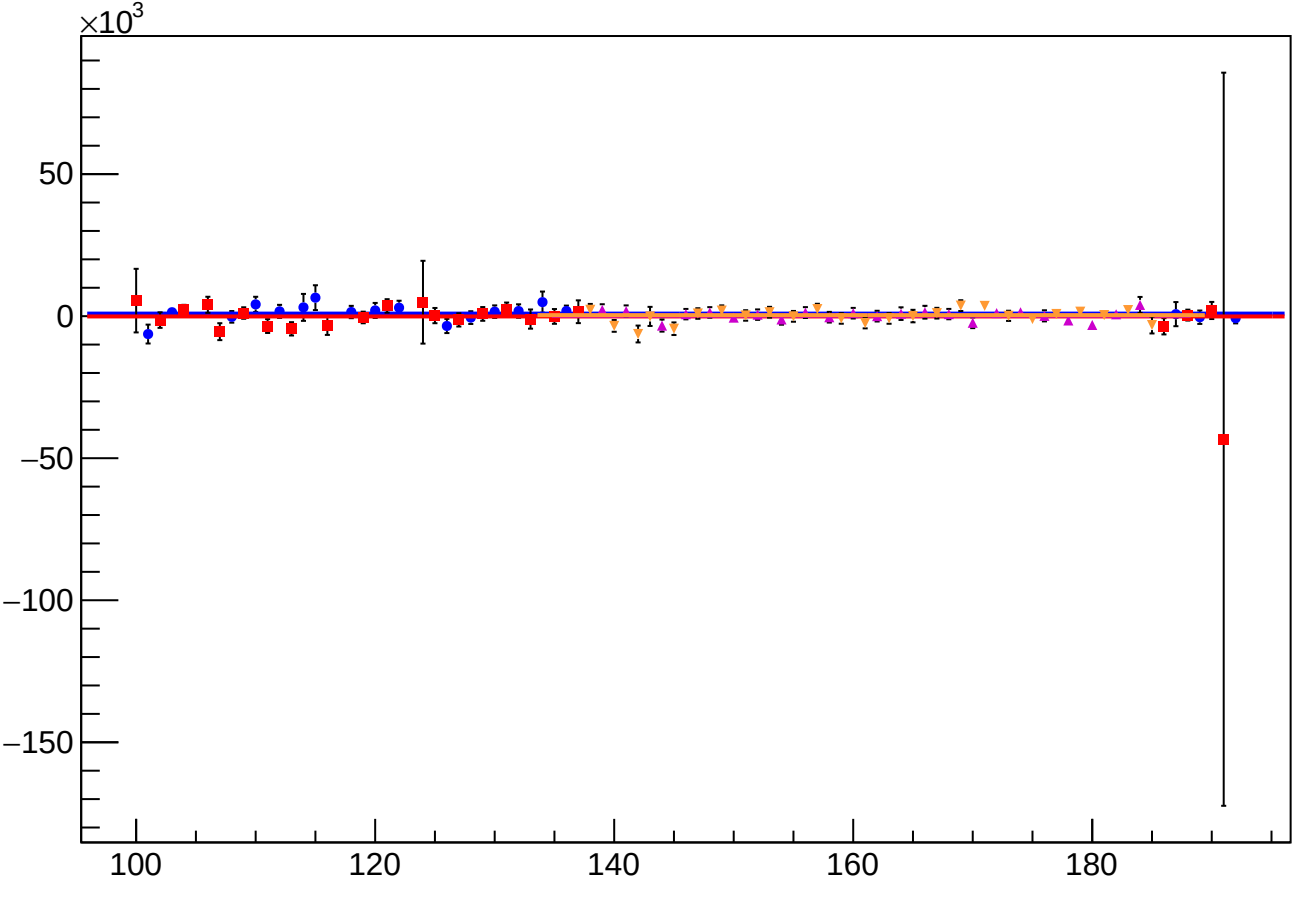
In: -0.000+/-0.000 χ^2/NDF:36.7/41

Out: -0.000+/-0.000 χ^2/NDF:36.2/47

All: -0.000+/-0.000 χ^2/NDF: 73.2/89


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: 3203453.6/22
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: 6441307.4/41
In: 0.000+/-0.000 χ²/NDF:8492276.8/41
Out: 0.000+/-0.000 χ²/NDF:9367693.1/47
All: 0.000+/-0.000 χ²/NDF: 18041757.5/89

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: -96.287+/-554.648 χ^2/NDF: 20.4/22

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

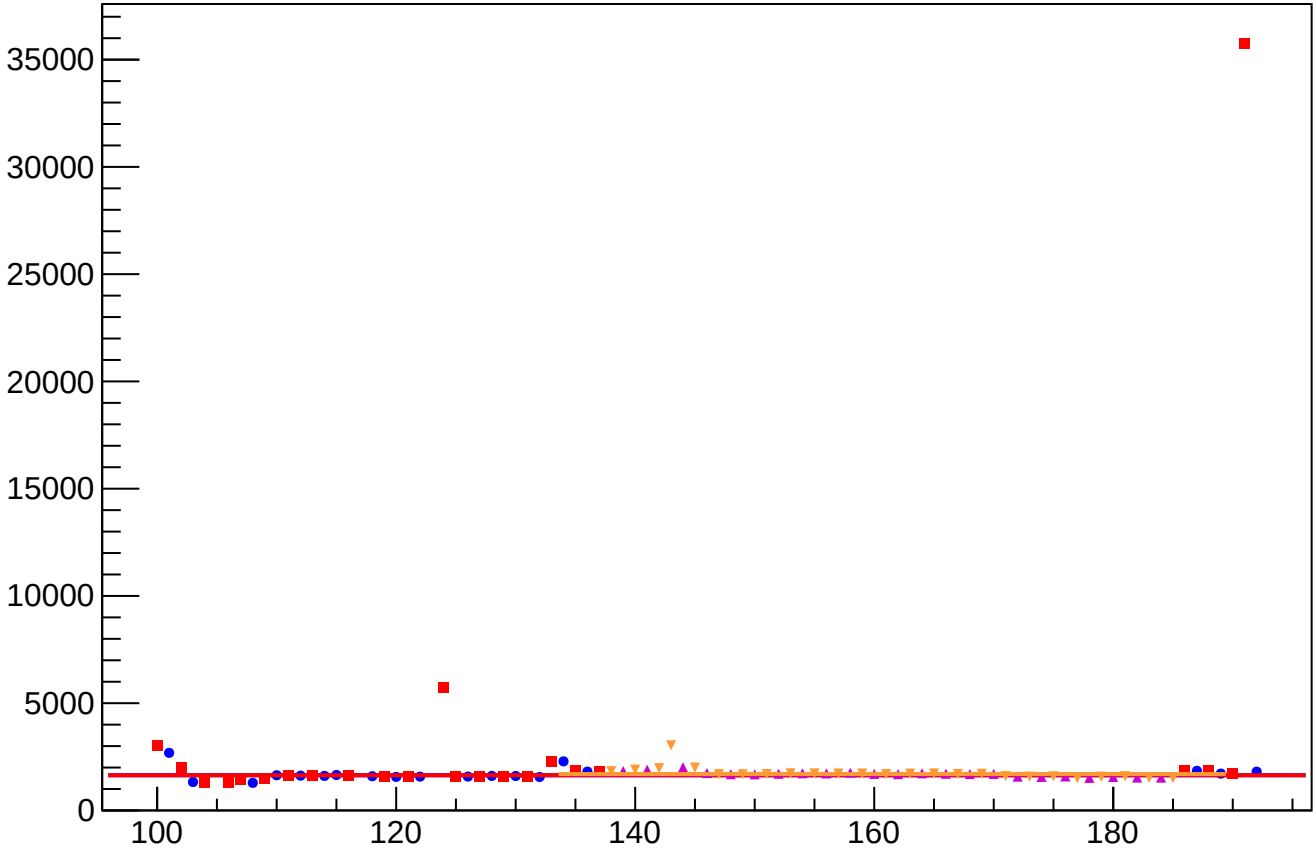
Right: 400.539+/-392.903 χ^2/NDF: 37.7/41

In: 405.548+/-321.734 χ^2/NDF:32.9/41

Out: 211.113+/-318.002 χ^2/NDF:50.5/47

All: 307.196+/-226.170 χ^2/NDF: 83.5/89

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: 1640.178+/-0.392 χ^2/NDF: 623582.4/22

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

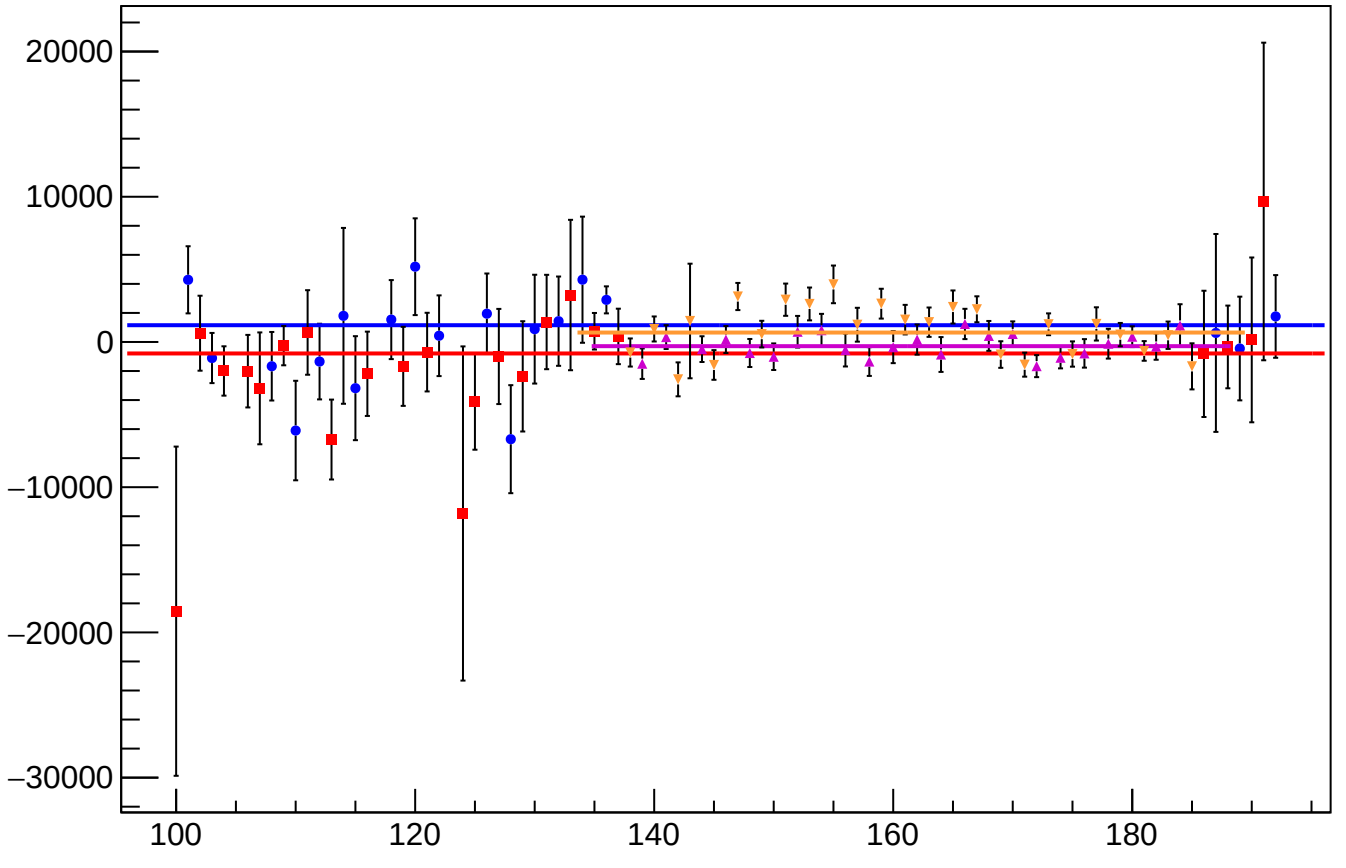
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1640.745+/-0.278 χ^2/NDF: 1055604.1/41

In: 1670.126+/-0.228 χ^2/NDF:605417.0/41

Out: 1678.654+/-0.225 χ^2/NDF:1133317.9/47

All: 1674.440+/-0.160 χ^2/NDF: 1739445.8/89



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: -790.911+/-539.650 χ^2/NDF: 15.2/22

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

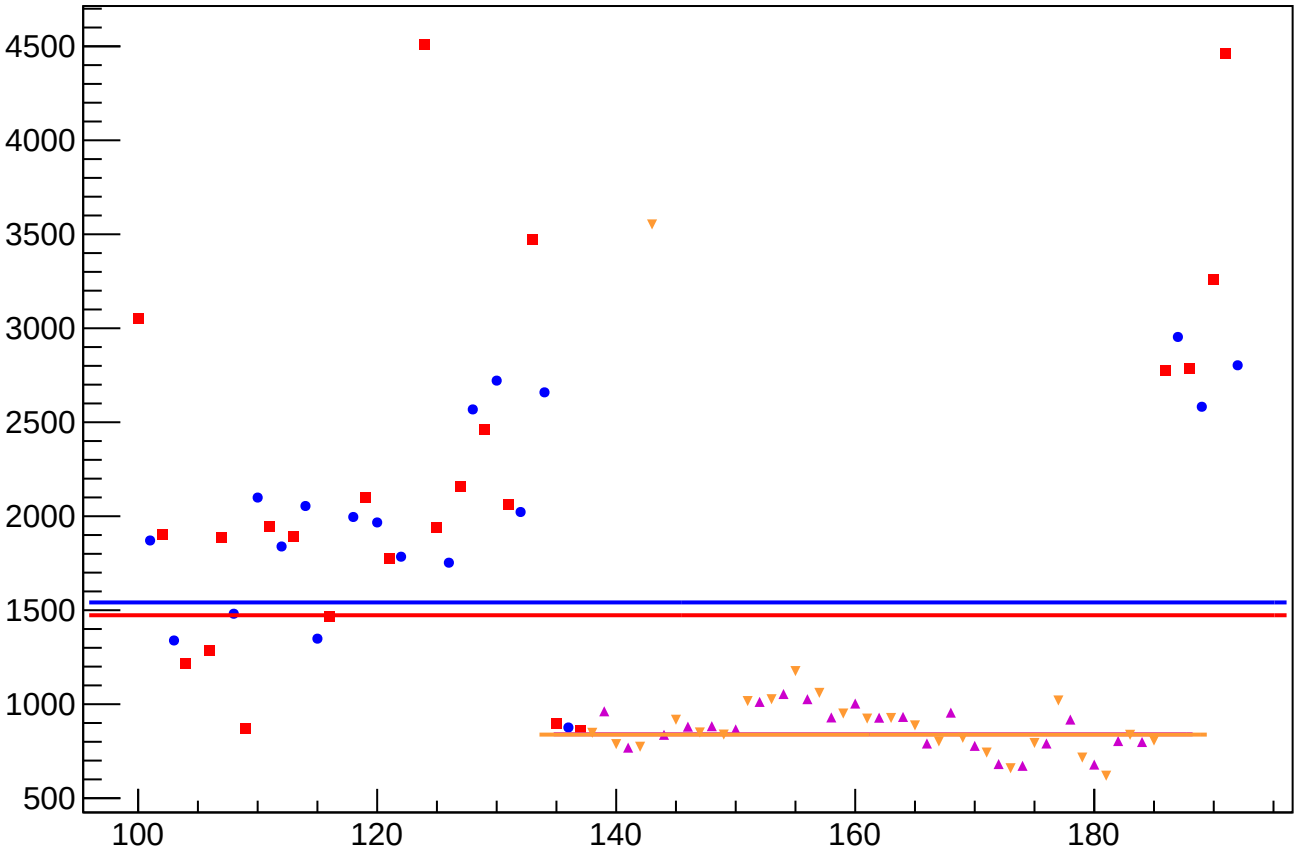
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 148.327+/-388.091 χ^2/NDF: 43.8/41

In: -126.796+/-187.034 χ^2/NDF:44.7/41

Out: 481.837+/-183.952 χ^2/NDF:87.1/47

All: 182.576+/-131.150 χ^2/NDF: 137.2/89



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: 1473.220+/-0.382 χ^2/NDF: 3144922.7/22

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

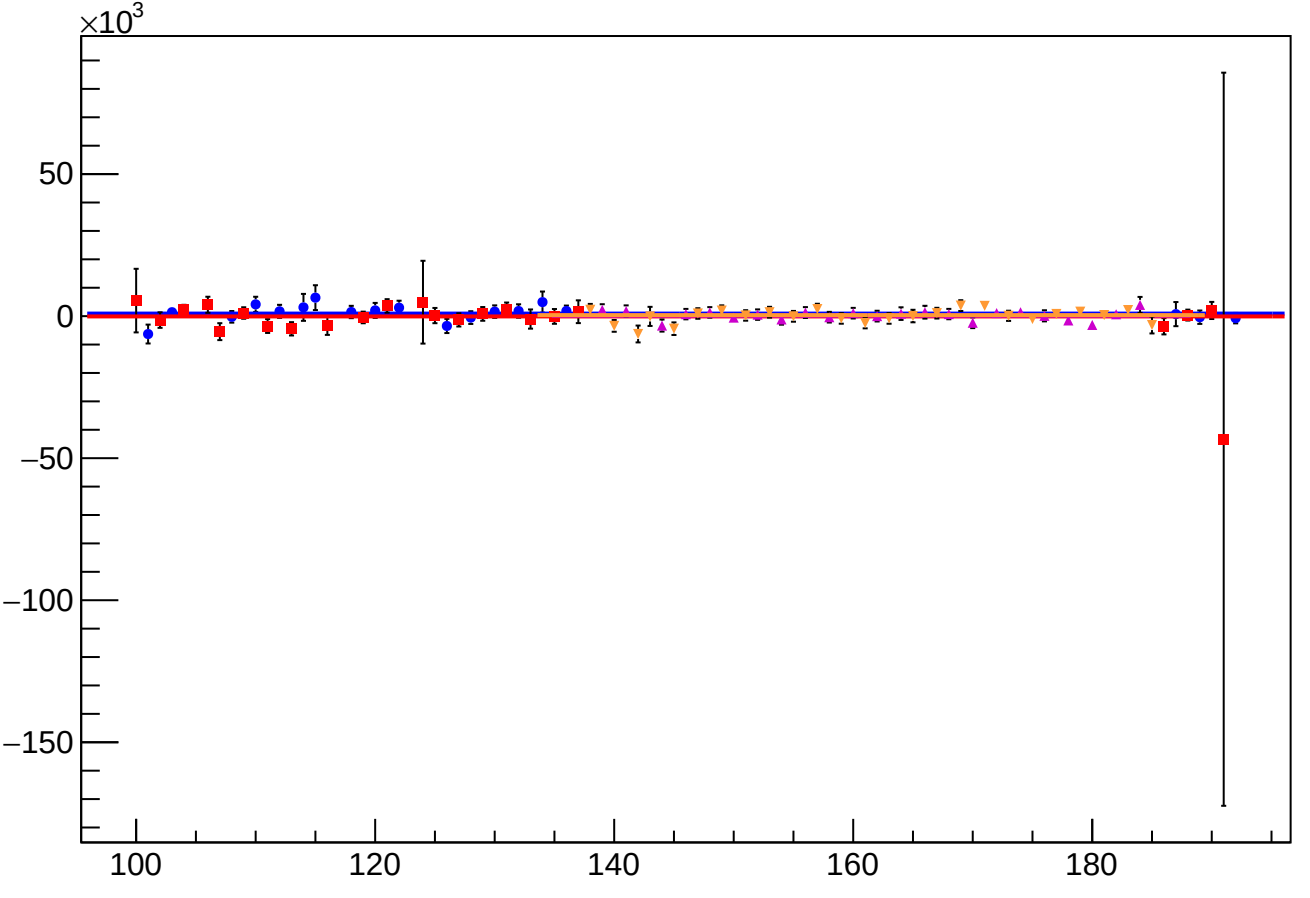
Right: 1506.144+/-0.274 χ^2/NDF: 5648010.0/41

In: 918.634+/-0.132 χ^2/NDF:5957709.9/41

Out: 912.023+/-0.130 χ^2/NDF:7392422.0/47

All: 915.274+/-0.093 χ^2/NDF: 13351402.0/89

cor_asym_at2_dd_mean vs Slug, Sign Corrected



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: -96.565+/-554.648 χ^2/NDF: 20.4/22

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

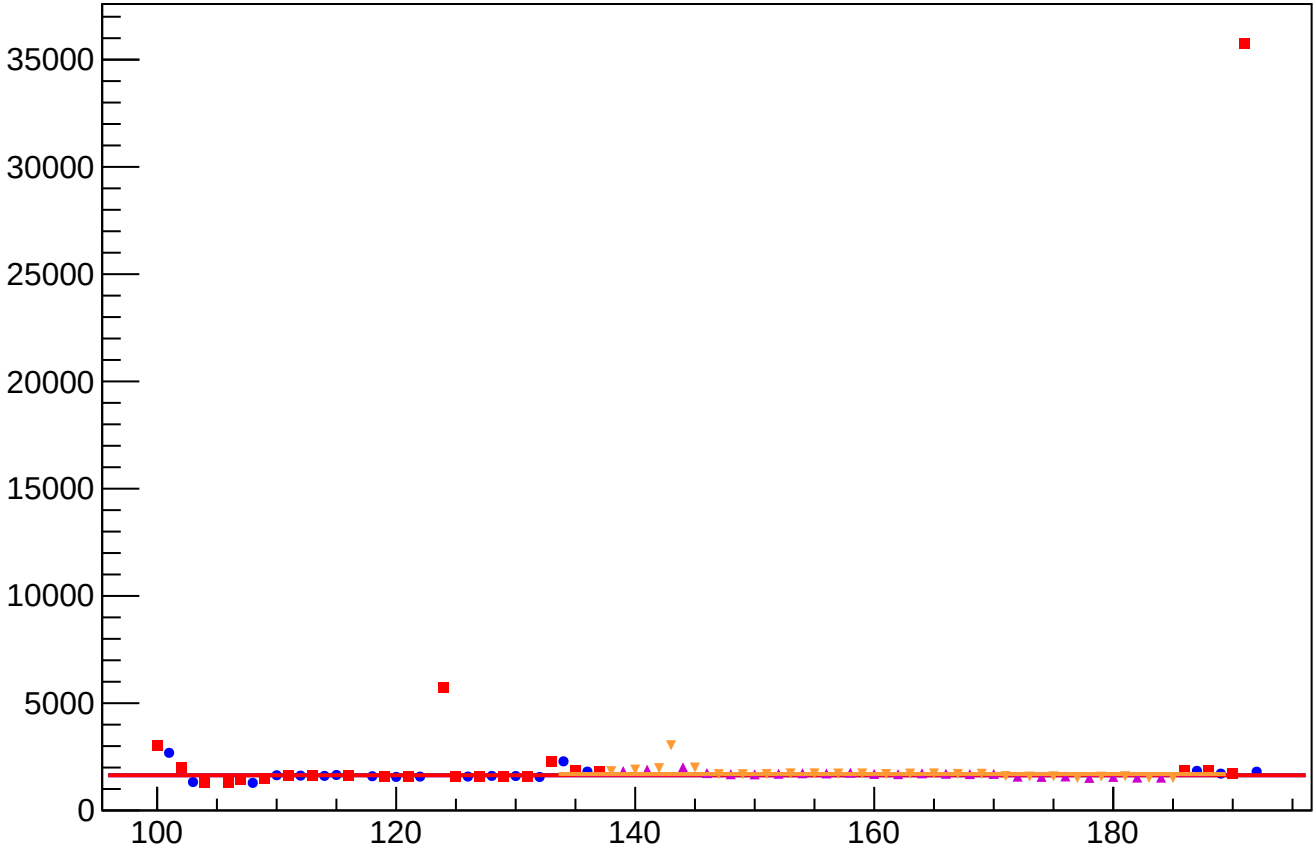
Right: 400.367+/-392.903 χ^2/NDF: 37.7/41

In: 405.464+/-321.734 χ^2/NDF:32.9/41

Out: 210.965+/-318.002 χ^2/NDF:50.5/47

All: 307.080+/-226.170 χ^2/NDF: 83.5/89

cor_asym_at2_dd_rms vs Slug, Sign Corrected



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: 1640.178+/-0.392 χ^2/NDF: 623582.5/22

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

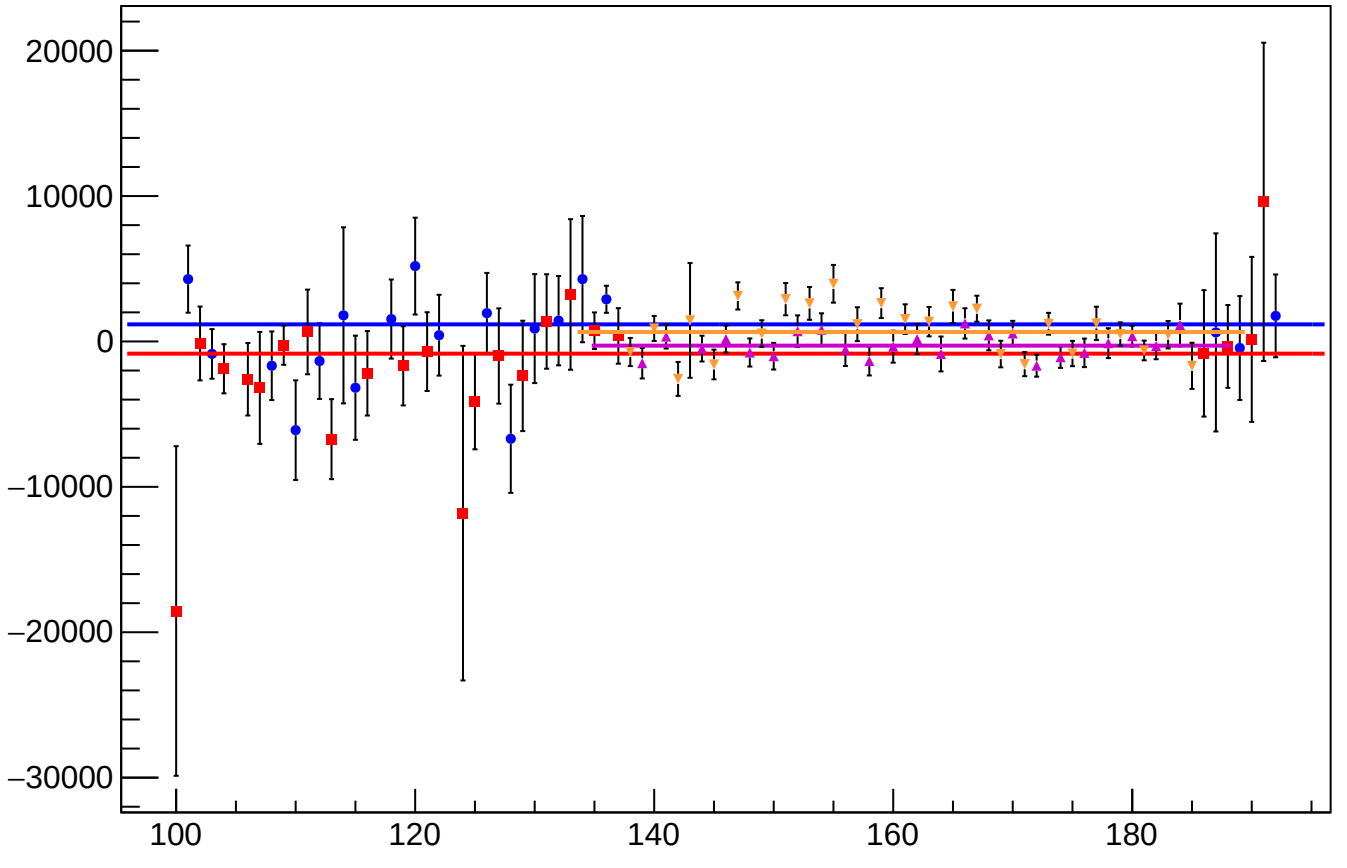
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1640.745+/-0.278 χ^2/NDF: 1055604.4/41

In: 1670.126+/-0.228 χ^2/NDF:605417.3/41

Out: 1678.654+/-0.225 χ^2/NDF:1133318.0/47

All: 1674.440+/-0.160 χ^2/NDF: 1739446.2/89



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: -839.659+/-538.950 χ^2/NDF: 15.2/22

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

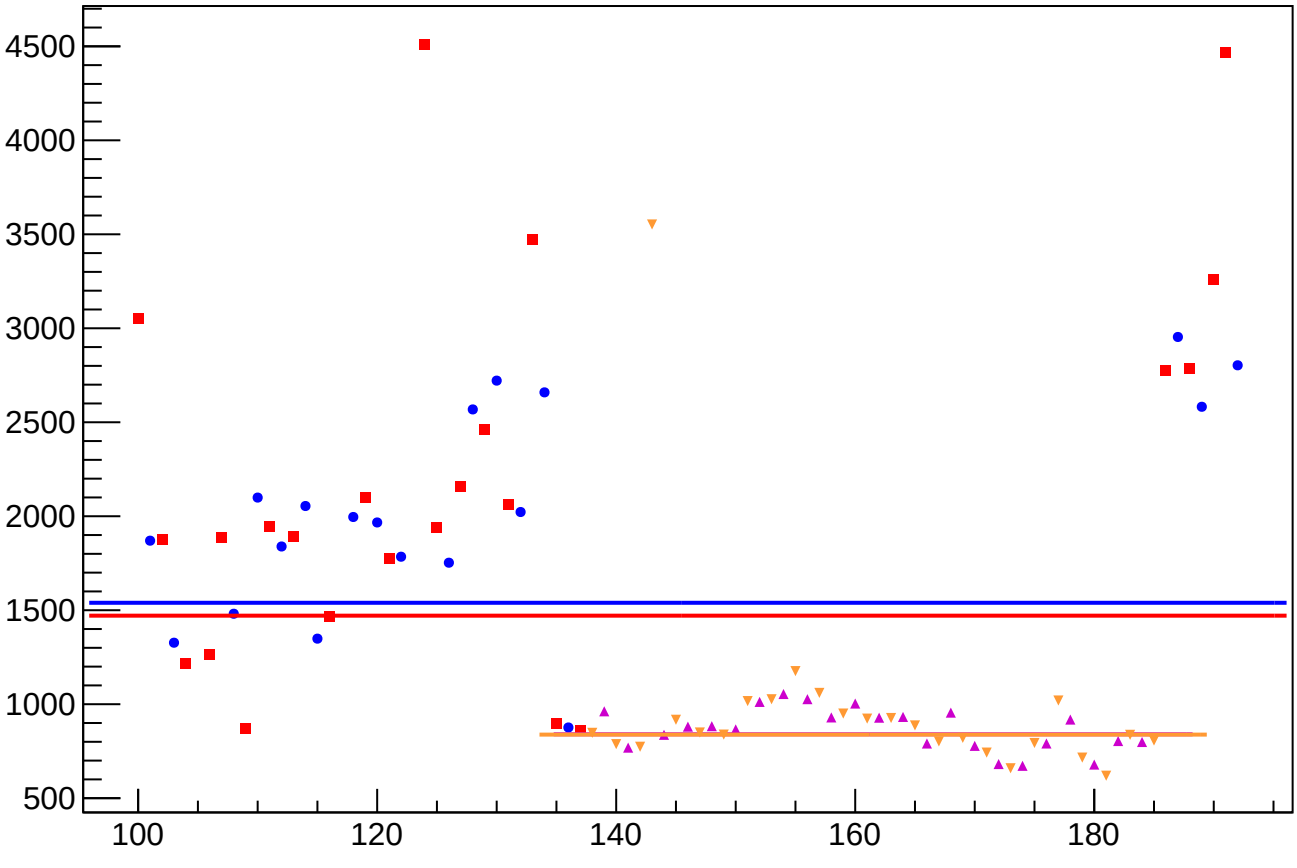
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 133.434+/-387.584 χ^2/NDF: 43.9/41

In: -124.006+/-187.006 χ^2/NDF:44.6/41

Out: 475.772+/-183.926 χ^2/NDF:87.5/47

All: 180.863+/-131.131 χ^2/NDF: 137.3/89



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: 1471.062+/-0.381 χ^2/NDF: 3143512.2/22

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

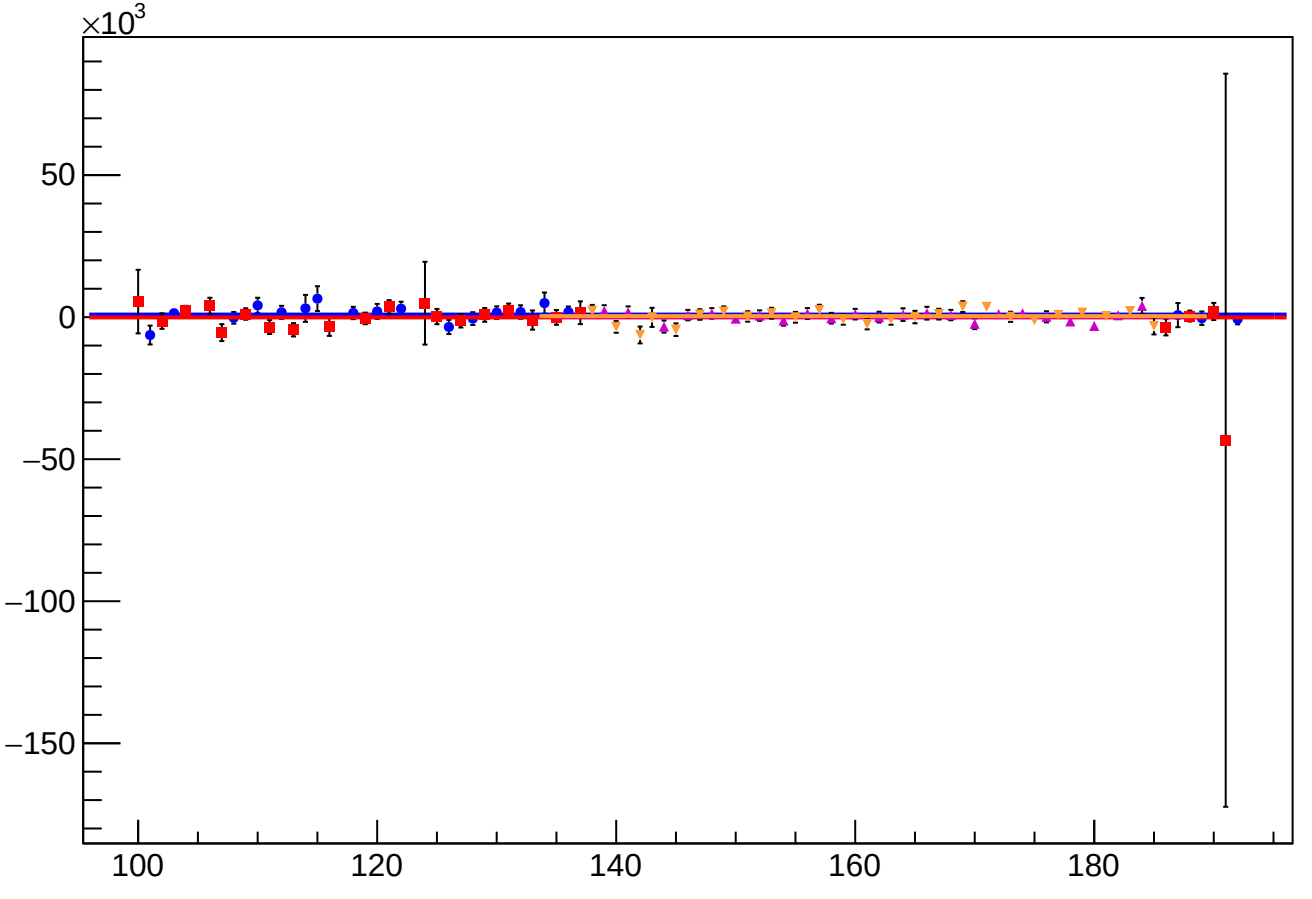
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1504.154+/-0.274 χ^2/NDF: 5650582.0/41

In: 918.618+/-0.132 χ^2/NDF:5953565.1/41

Out: 911.953+/-0.130 χ^2/NDF:7379780.1/47

All: 915.230+/-0.093 χ^2/NDF: 13334636.5/89



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: -96.565+/-554.648 χ^2/NDF: 20.4/22

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

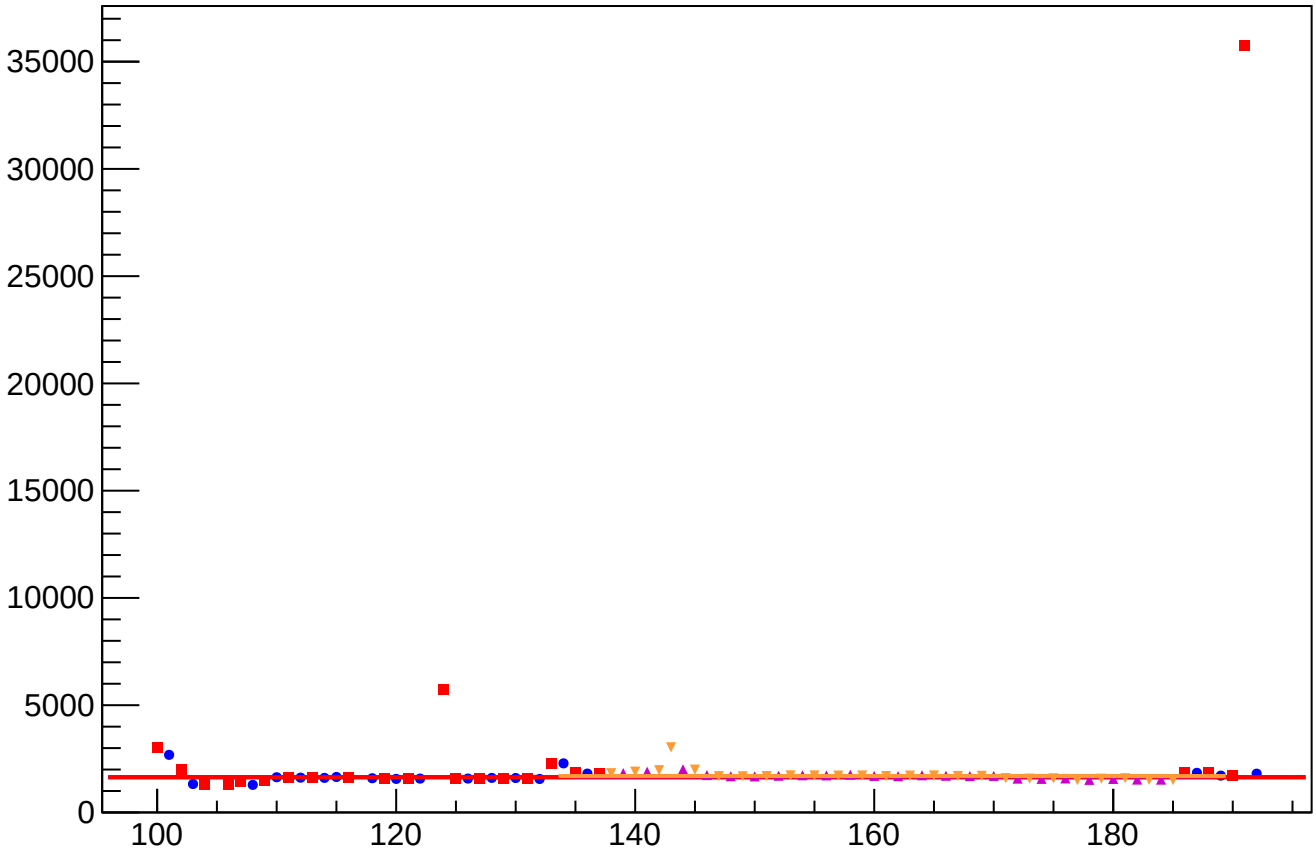
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 400.367+/-392.903 χ^2/NDF: 37.7/41

In: 405.464+/-321.734 χ^2/NDF:32.9/41

Out: 210.965+/-318.002 χ^2/NDF:50.5/47

All: 307.080+/-226.170 χ^2/NDF: 83.5/89



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: 1640.178+/-0.392 χ^2/NDF: 623582.5/22

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

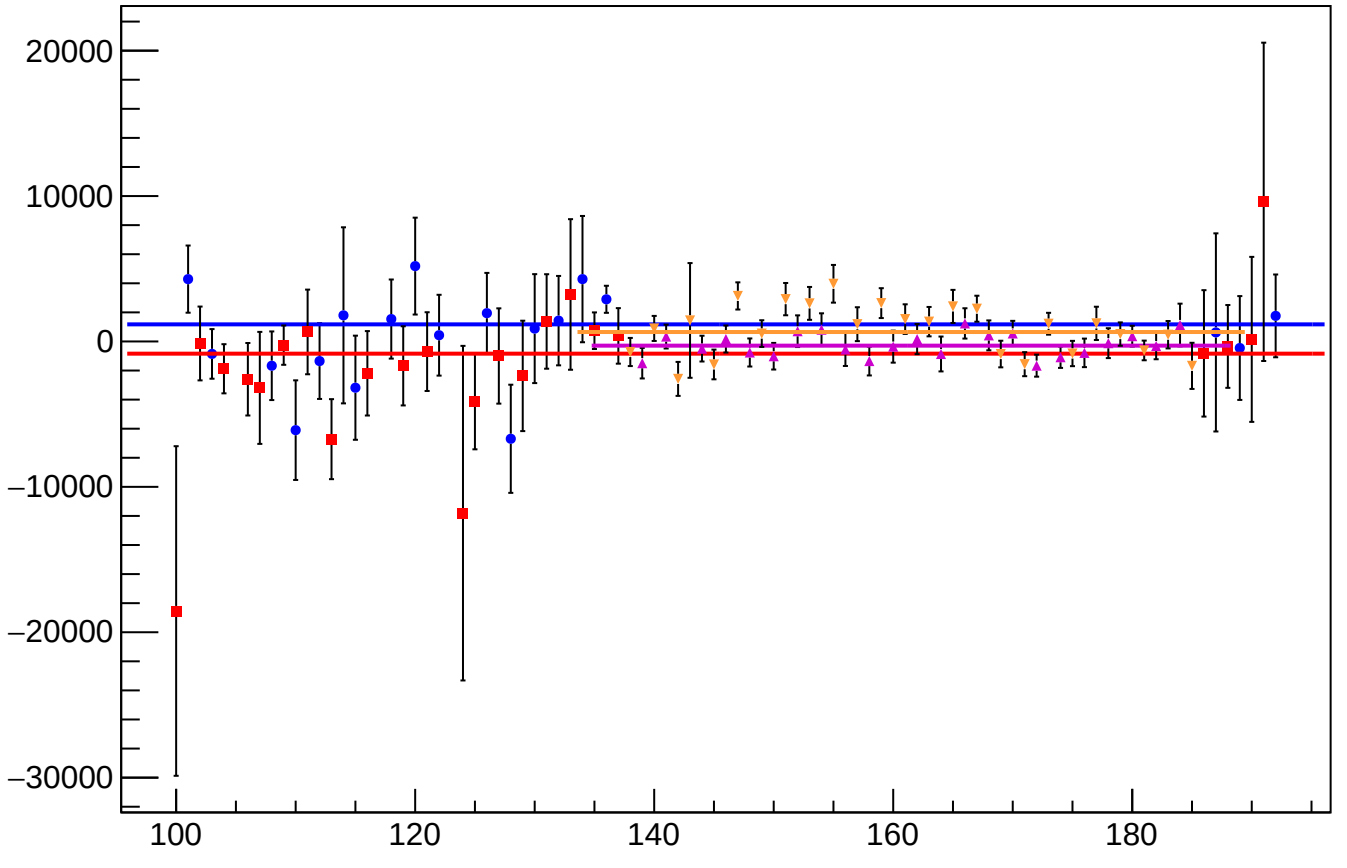
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1640.745+/-0.278 χ^2/NDF: 1055604.4/41

In: 1670.126+/-0.228 χ^2/NDF:605417.3/41

Out: 1678.654+/-0.225 χ^2/NDF:1133318.0/47

All: 1674.440+/-0.160 χ^2/NDF: 1739446.2/89



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: -839.659+/-538.950 χ^2/NDF: 15.2/22

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

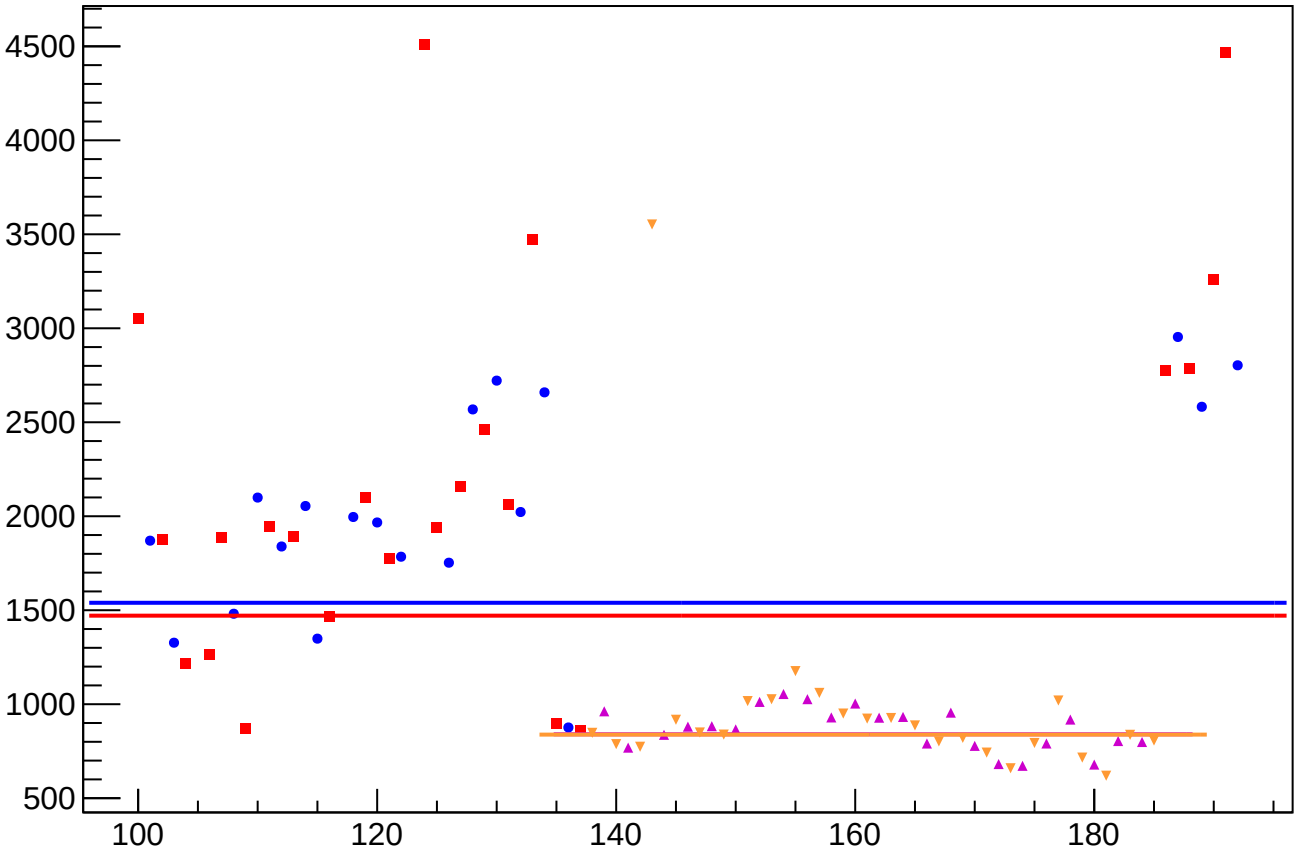
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 133.434+/-387.584 χ^2/NDF: 43.9/41

In: -124.006+/-187.006 χ^2/NDF:44.6/41

Out: 475.772+/-183.926 χ^2/NDF:87.5/47

All: 180.863+/-131.131 χ^2/NDF: 137.3/89



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: 1471.062+/-0.381 χ^2/NDF: 3143512.2/22

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

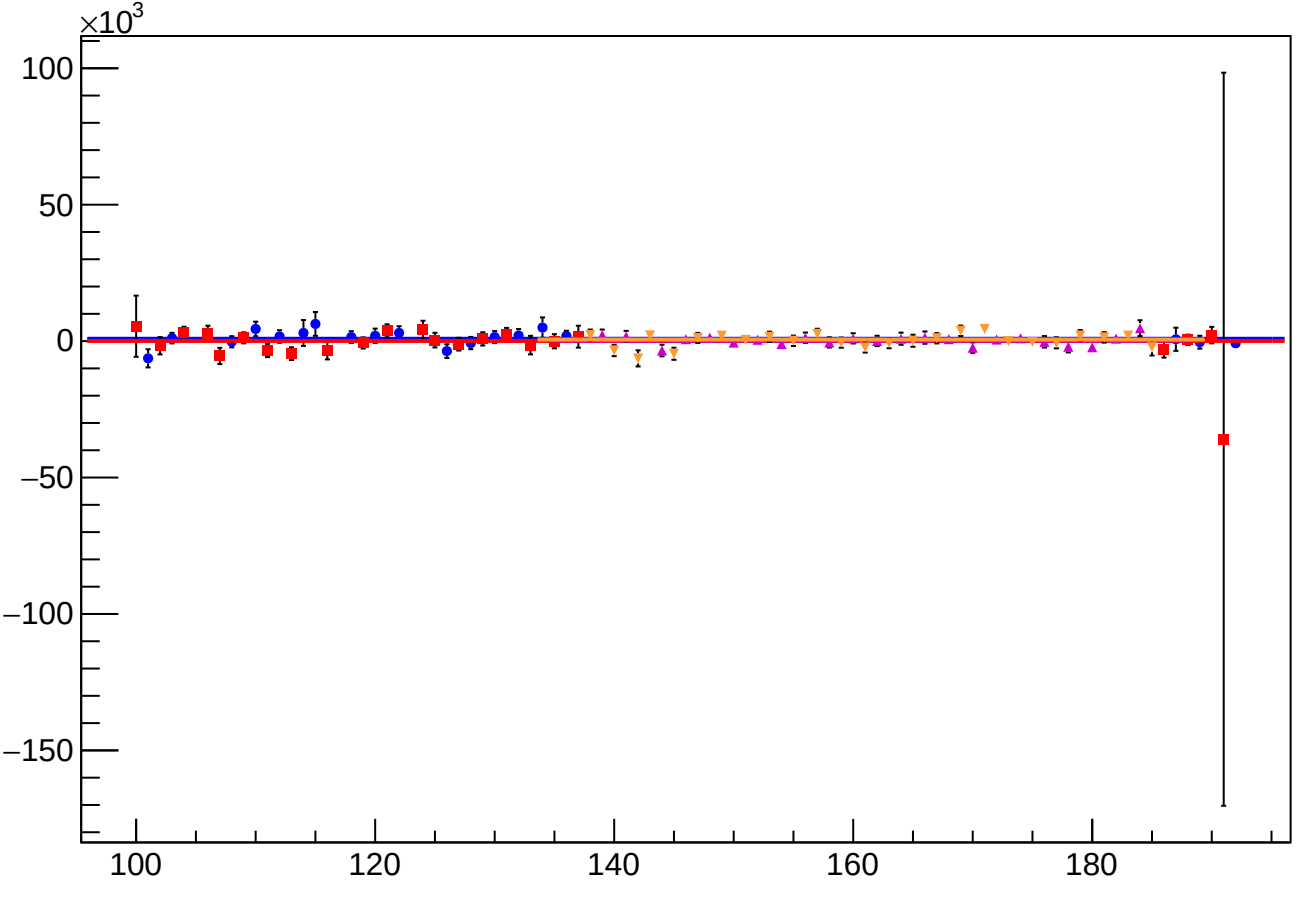
Right: 1504.154+/-0.274 χ^2/NDF: 5650582.0/41

In: 918.618+/-0.132 χ^2/NDF:5953565.1/41

Out: 911.953+/-0.130 χ^2/NDF:7379780.1/47

All: 915.230+/-0.093 χ^2/NDF: 13334636.5/89

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: 70.011+/-554.609 χ^2/NDF: 22.6/22

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

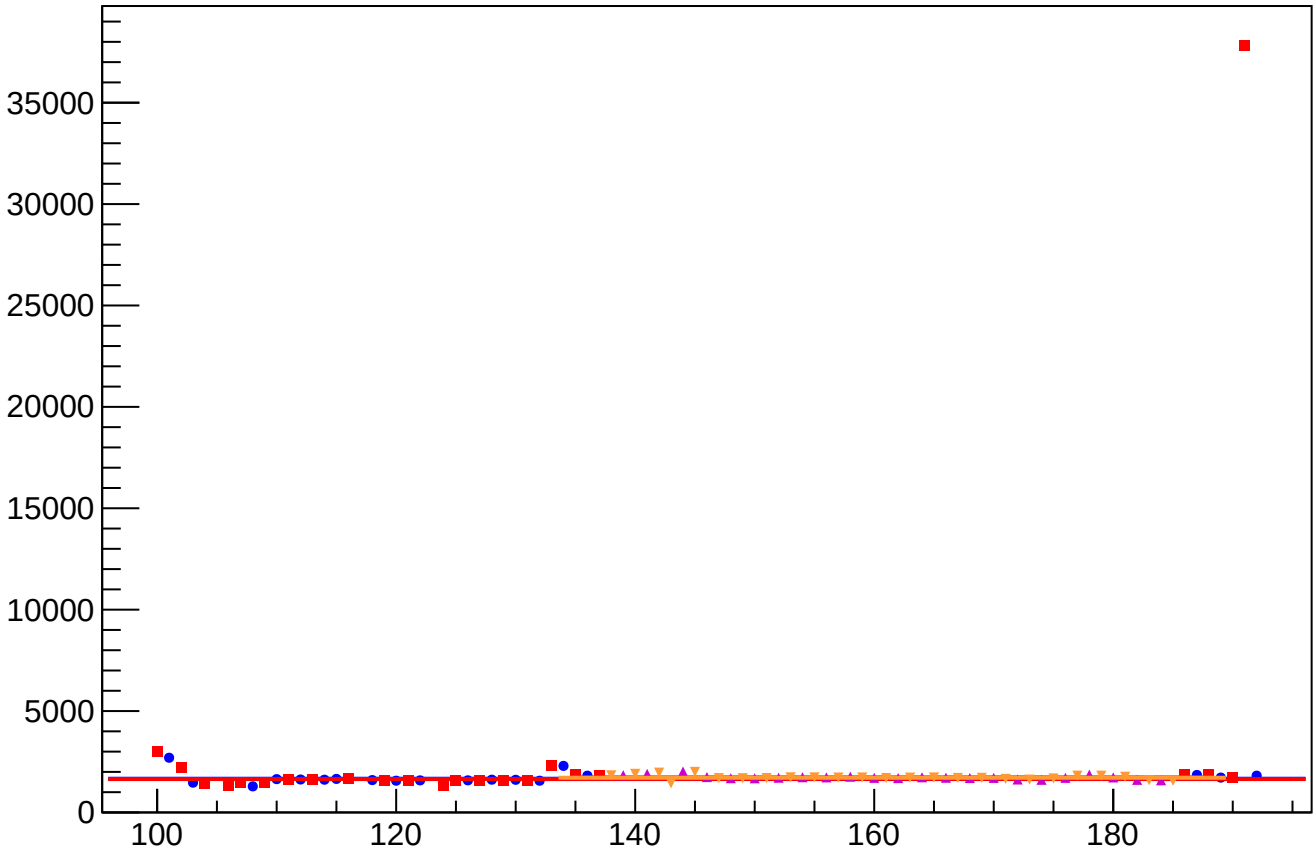
Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

Right: 456.788+/-395.099 χ^2/NDF: 39.8/41

In: 413.478+/-328.285 χ^2/NDF:31.7/41

Out: 411.592+/-318.894 χ^2/NDF:55.1/47

All: 412.508+/-228.740 χ^2/NDF: 86.7/89



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: 1646.192+/-0.392 χ^2/NDF: 483564.1/22

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

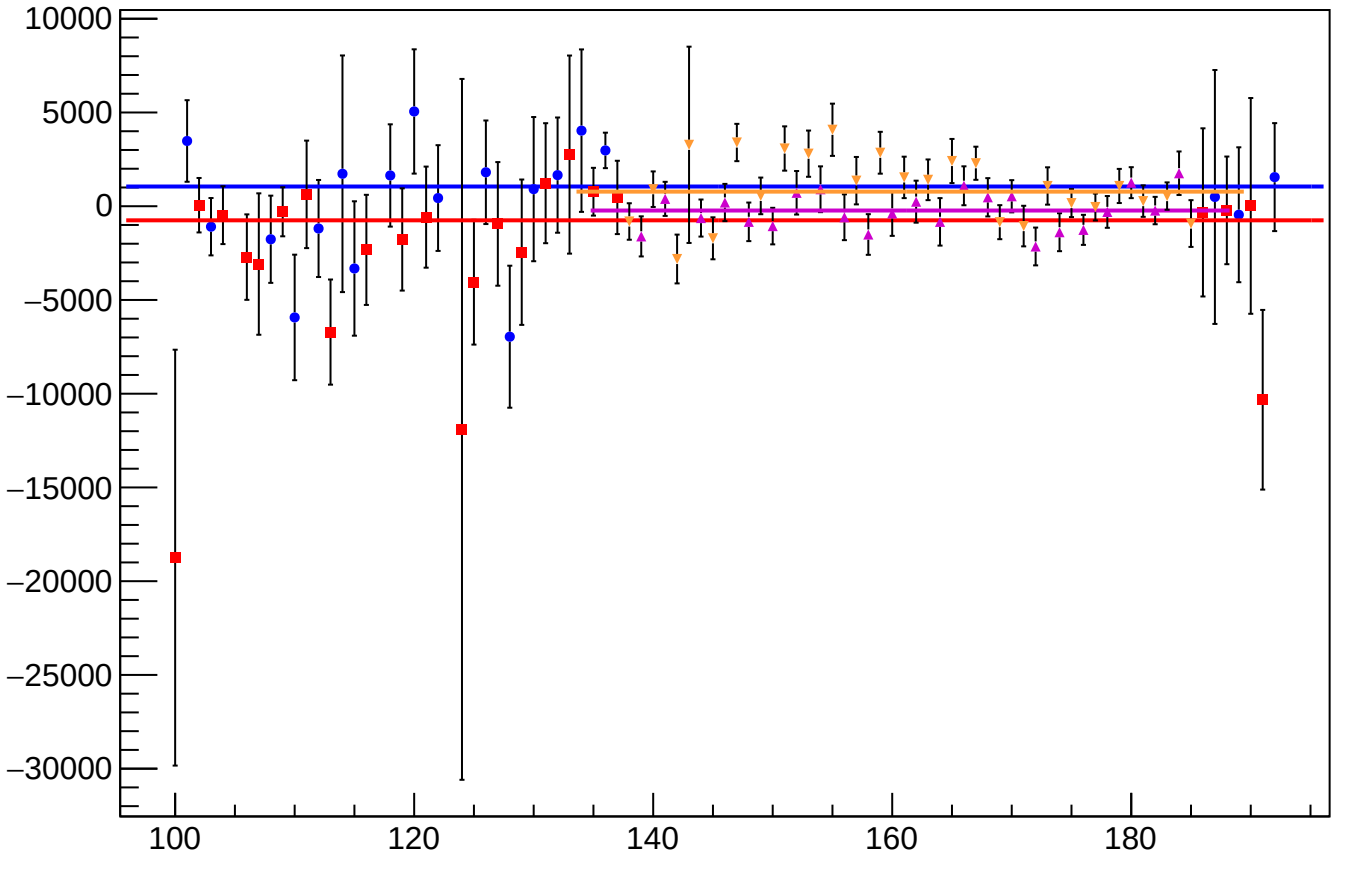
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1654.155+/-0.279 χ^2/NDF: 867478.3/41

In: 1705.624+/-0.232 χ^2/NDF:501198.7/41

Out: 1690.050+/-0.225 χ^2/NDF:670255.0/47

All: 1697.611+/-0.162 χ^2/NDF: 1173769.6/89



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: -752.224+/-506.758 χ^2/NDF: 17.6/22

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

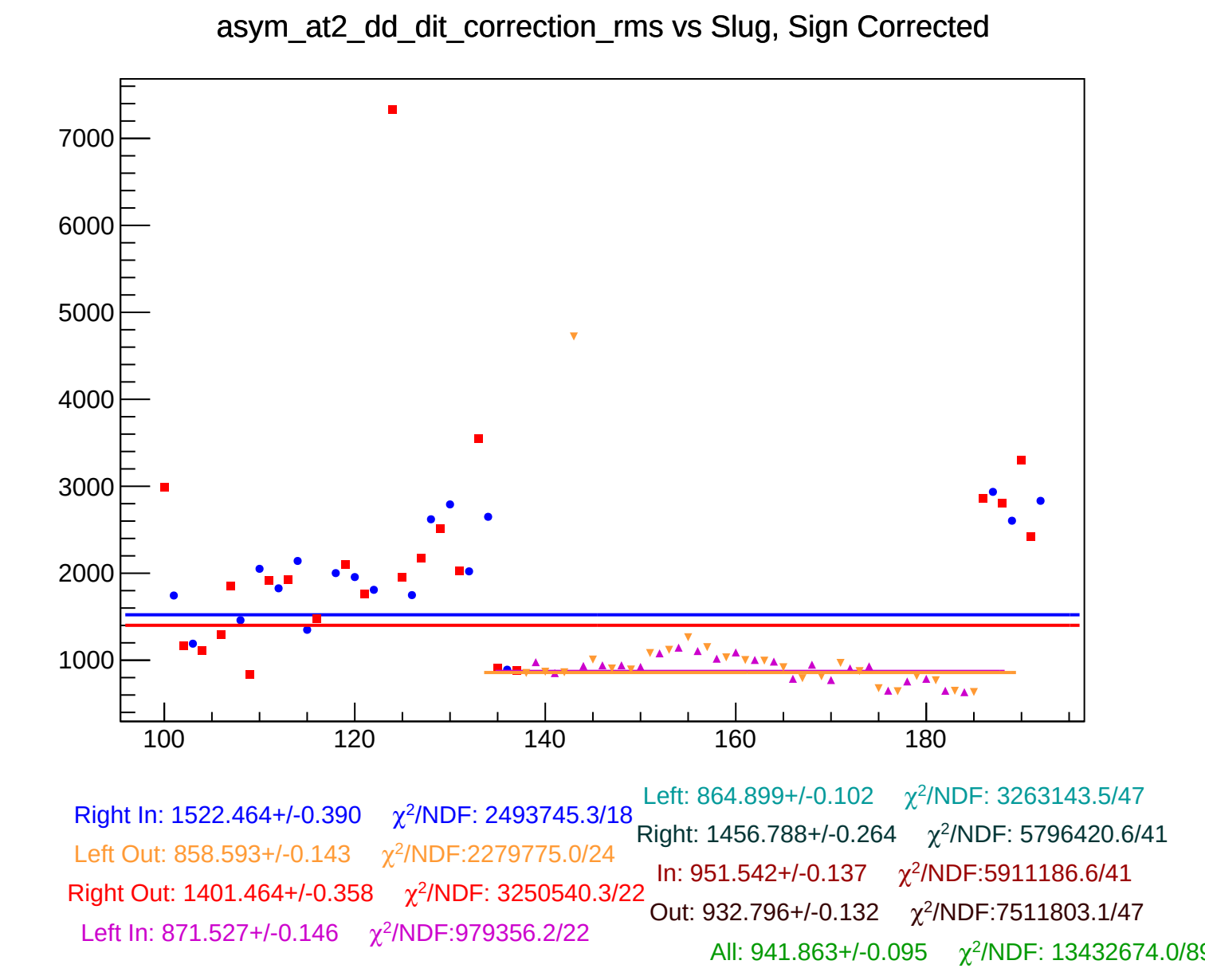
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

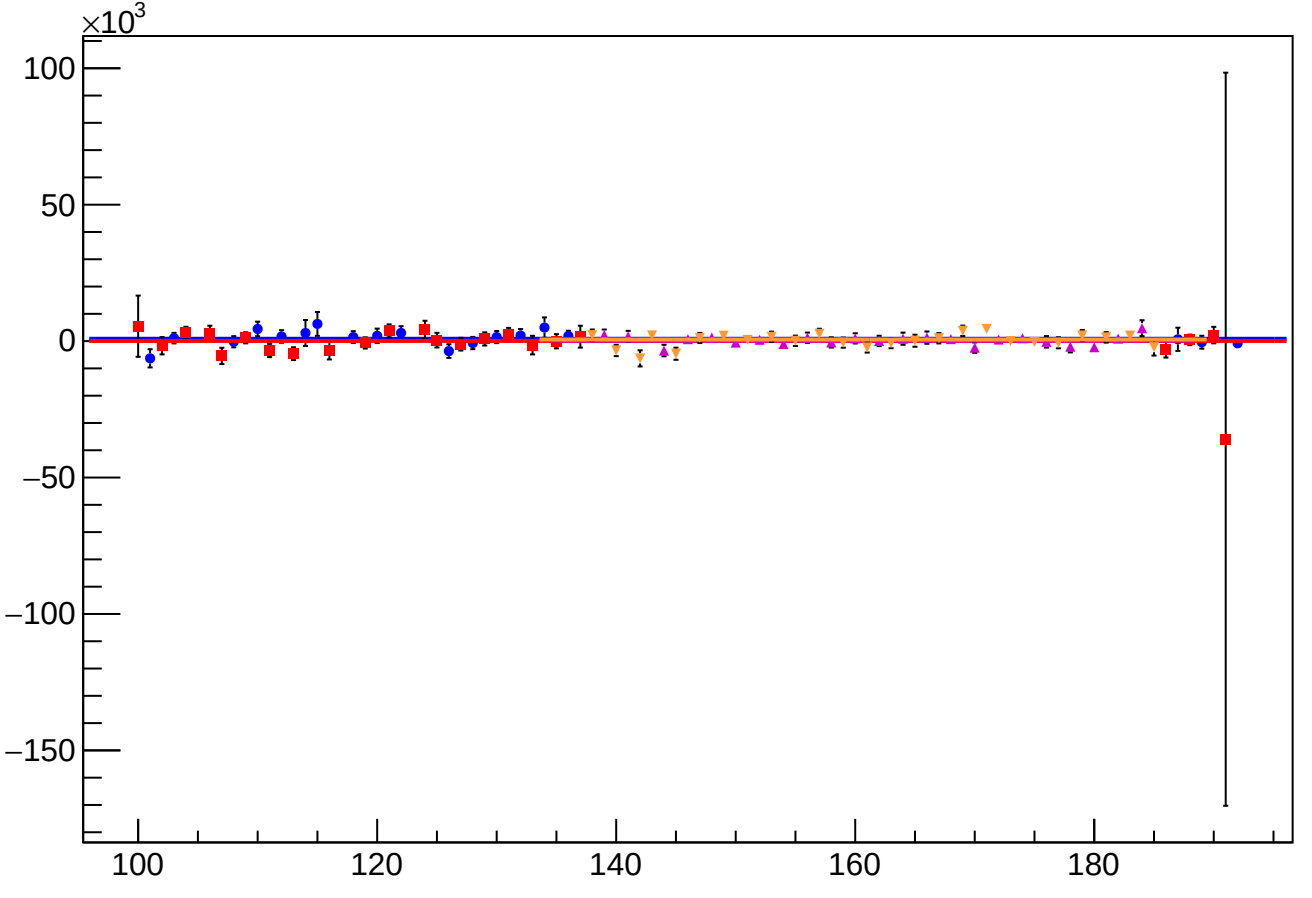
Right: 72.401+/-373.346 χ^2/NDF: 45.7/41

In: -71.510+/-193.583 χ^2/NDF:49.6/41

Out: 569.680+/-187.354 χ^2/NDF:80.0/47

All: 259.566+/-134.627 χ^2/NDF: 135.3/89


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
Right In: 1522.464+/-0.390 χ²/NDF: 2493745.3/18
Left Out: 858.593+/-0.143 χ²/NDF:2279775.0/24
Right Out: 1401.464+/-0.358 χ²/NDF: 3250540.3/22
Left In: 871.527+/-0.146 χ²/NDF:979356.2/22
Left: 864.899+/-0.102 χ²/NDF: 3263143.5/47
Right: 1456.788+/-0.264 χ²/NDF: 5796420.6/41
In: 951.542+/-0.137 χ²/NDF:5911186.6/41
Out: 932.796+/-0.132 χ²/NDF:7511803.1/47
All: 941.863+/-0.095 χ²/NDF: 13432674.0/89



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: 70.014+/-554.609 χ^2/NDF: 22.6/22

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

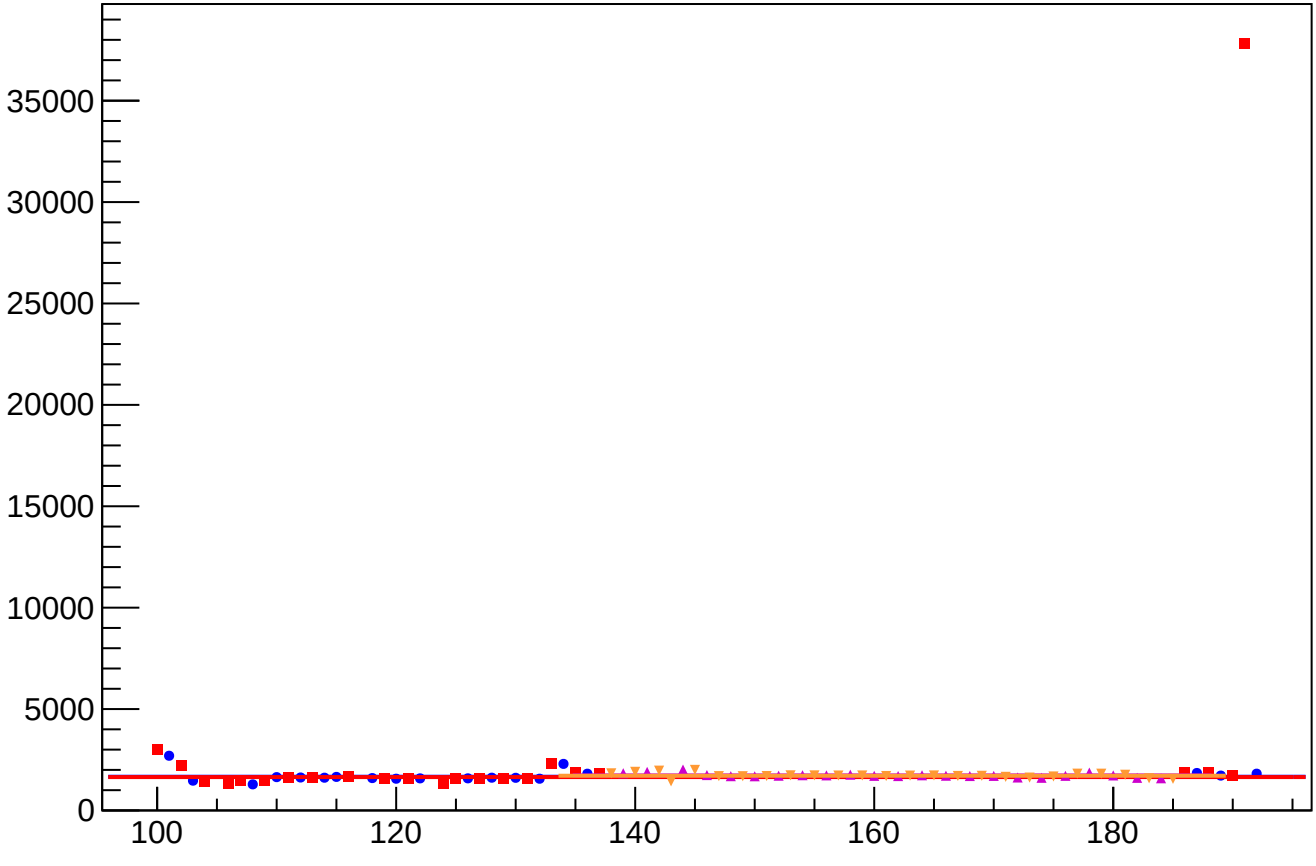
Right: 456.791+/-395.099 χ^2/NDF: 39.8/41

In: 413.479+/-328.285 χ^2/NDF:31.7/41

Out: 411.590+/-318.894 χ^2/NDF:55.1/47

All: 412.507+/-228.740 χ^2/NDF: 86.7/89

eigen_dit_asym_at2_dd_rms vs Slug, Sign Corrected



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: 1646.192+/-0.392 χ^2/NDF: 483564.4/22

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

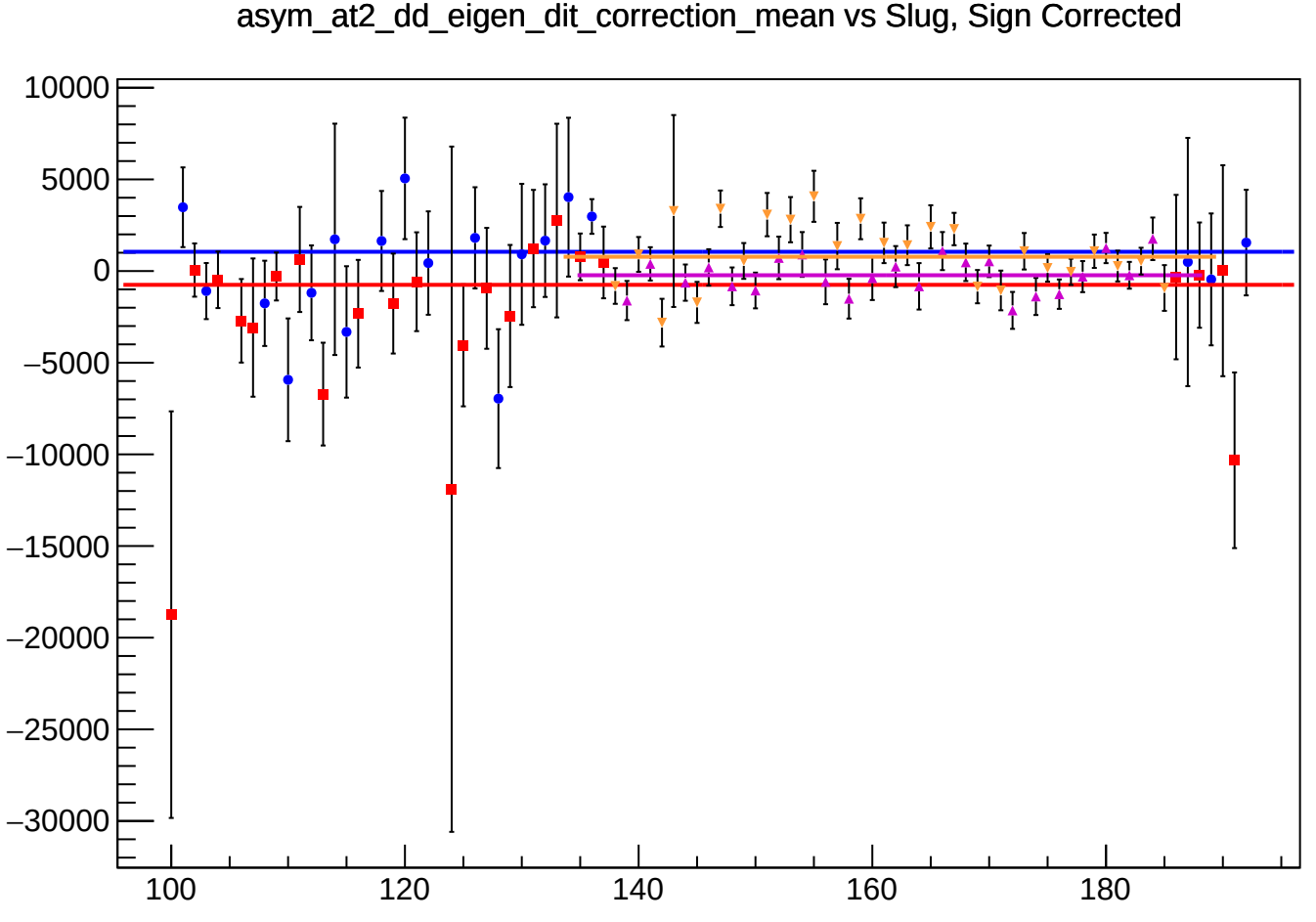
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1654.155+/-0.279 χ^2/NDF: 867478.4/41

In: 1705.624+/-0.232 χ^2/NDF:501198.3/41

Out: 1690.050+/-0.225 χ^2/NDF:670254.0/47

All: 1697.611+/-0.162 χ^2/NDF: 1173768.2/89



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: -752.237+/-506.761 χ^2/NDF: 17.6/22

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

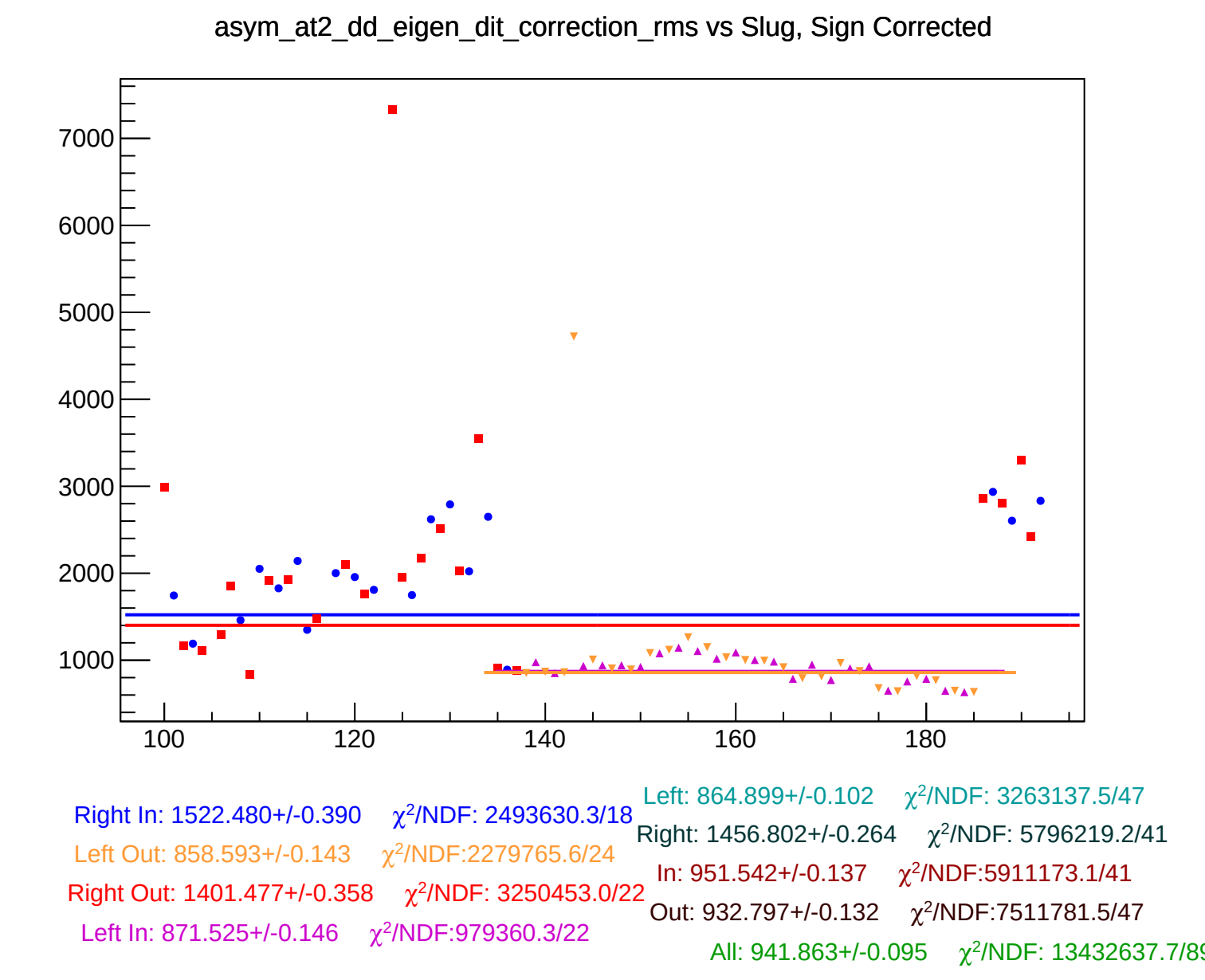
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 72.389+/-373.349 χ^2/NDF: 45.7/41

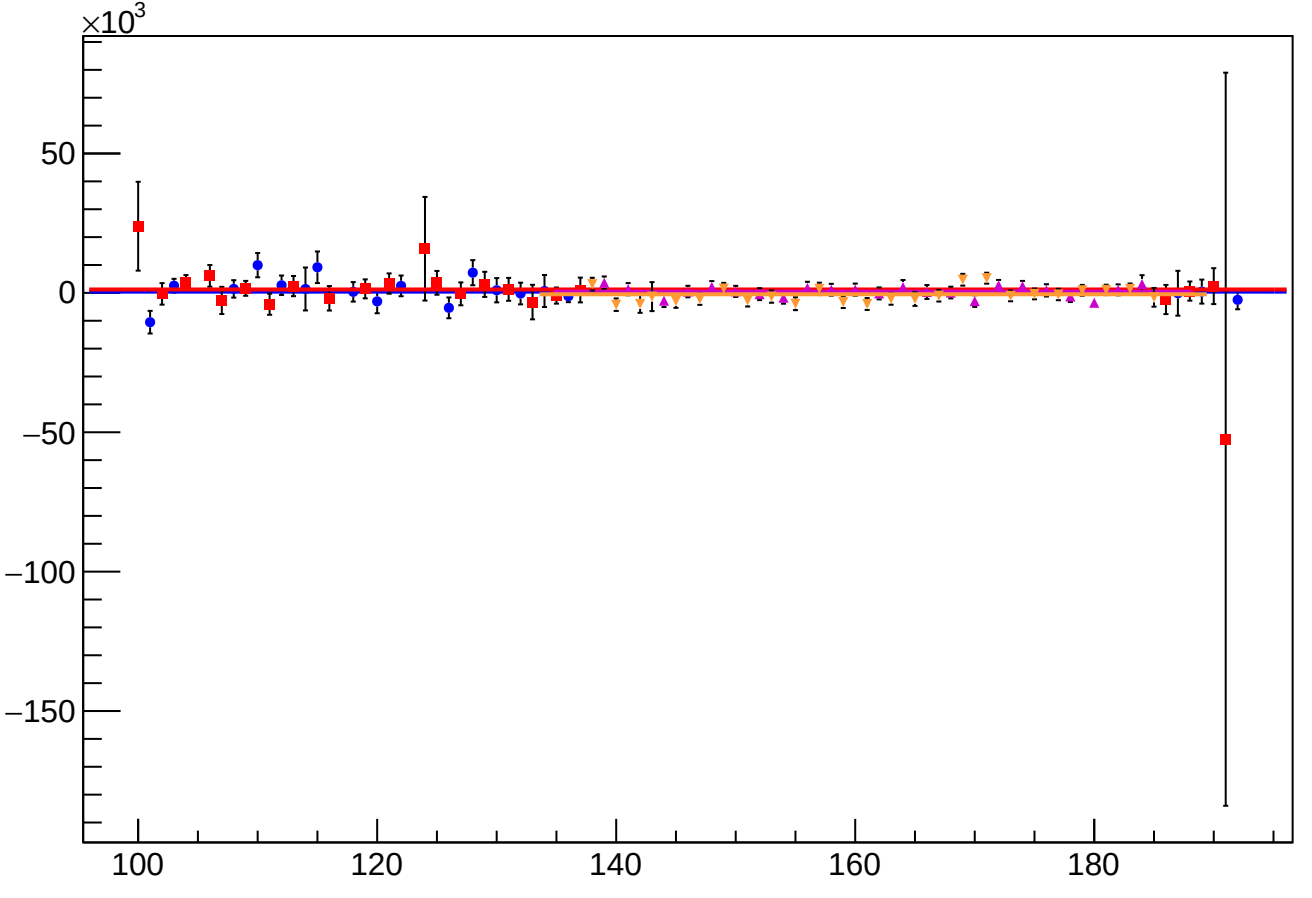
In: -71.512+/-193.583 χ^2/NDF:49.6/41

Out: 569.683+/-187.354 χ^2/NDF:80.0/47

All: 259.566+/-134.627 χ^2/NDF: 135.3/89


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
Right In: 1522.480+/-0.390 χ²/NDF: 2493630.3/18
Left Out: 858.593+/-0.143 χ²/NDF:2279765.6/24
Right Out: 1401.477+/-0.358 χ²/NDF: 3250453.0/22
Left In: 871.525+/-0.146 χ²/NDF:979360.3/22
Left: 864.899+/-0.102 χ²/NDF: 3263137.5/47
Right: 1456.802+/-0.264 χ²/NDF: 5796219.2/41
In: 951.542+/-0.137 χ²/NDF:5911173.1/41
Out: 932.797+/-0.132 χ²/NDF:7511781.5/47
All: 941.863+/-0.095 χ²/NDF: 13432637.7/89

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: 1219.338+/-843.336 χ^2/NDF: 11.6/22

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

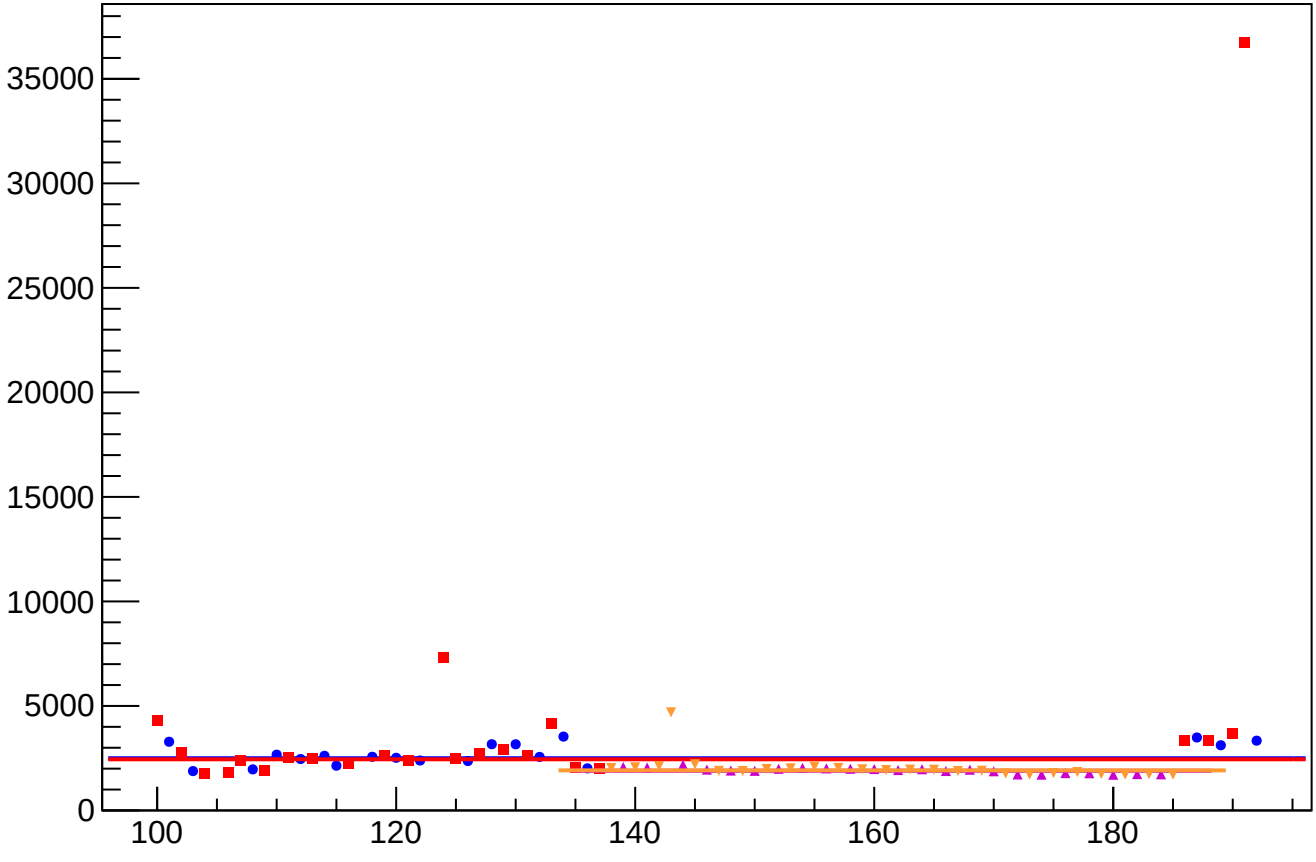
Right: 836.149+/-600.694 χ^2/NDF: 34.8/41

In: 417.743+/-394.518 χ^2/NDF:41.7/41

Out: -133.422+/-390.039 χ^2/NDF:50.7/47

All: 139.014+/-277.369 χ^2/NDF: 93.4/89

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: 2447.933+/-0.596 χ^2/NDF: 1136375.1/22

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

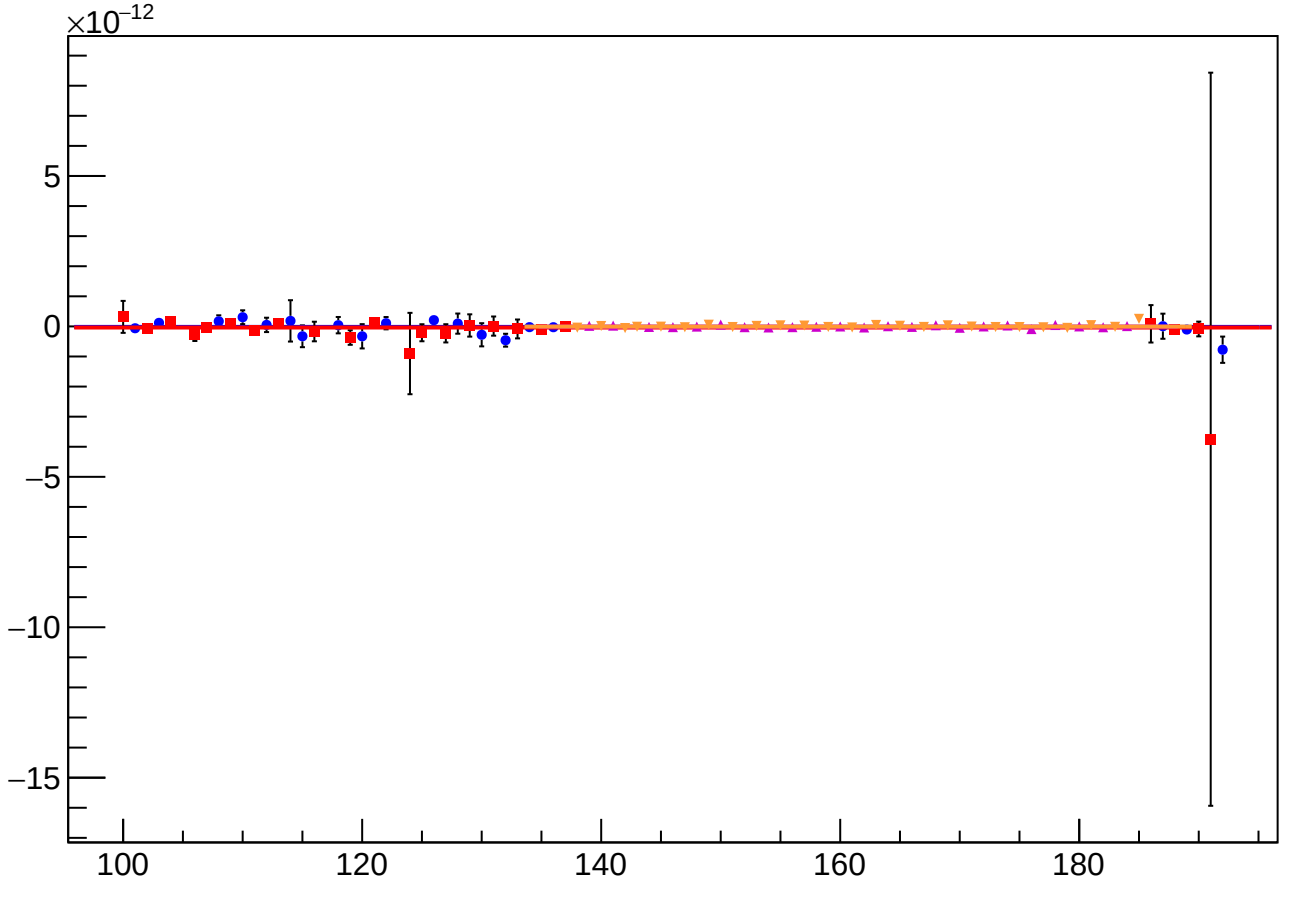
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2472.309+/-0.425 χ^2/NDF: 1868002.3/41

In: 2026.359+/-0.279 χ^2/NDF:1671026.3/41

Out: 2030.693+/-0.276 χ^2/NDF:2515536.4/47

All: 2028.551+/-0.196 χ^2/NDF: 4186684.7/89



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: 15.7/22

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

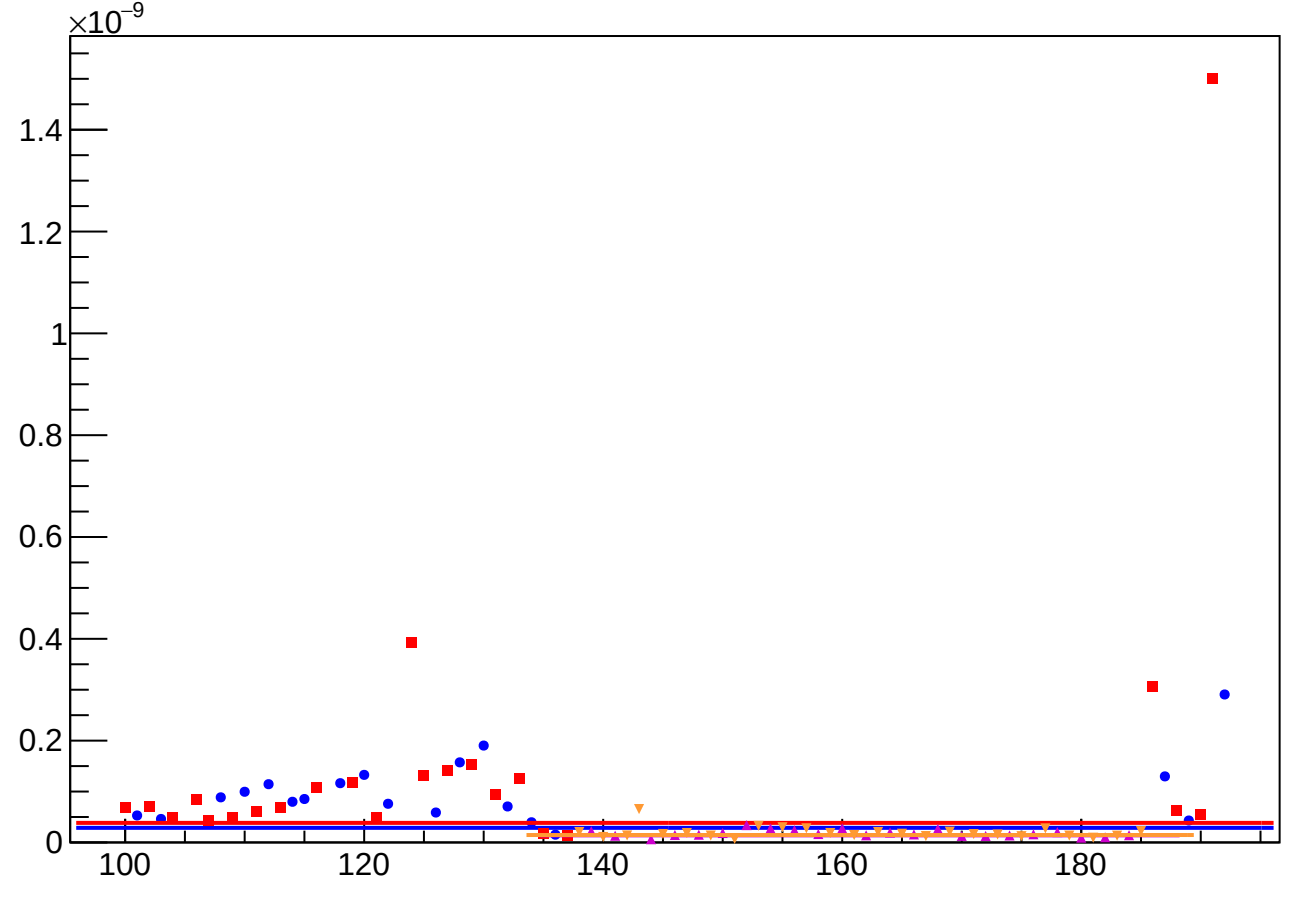
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 34.2/41

In: -0.000+/-0.000 χ^2/NDF:43.4/41

Out: -0.000+/-0.000 χ^2/NDF:45.5/47

All: -0.000+/-0.000 χ^2/NDF: 88.9/89



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: 2937821.6/22

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

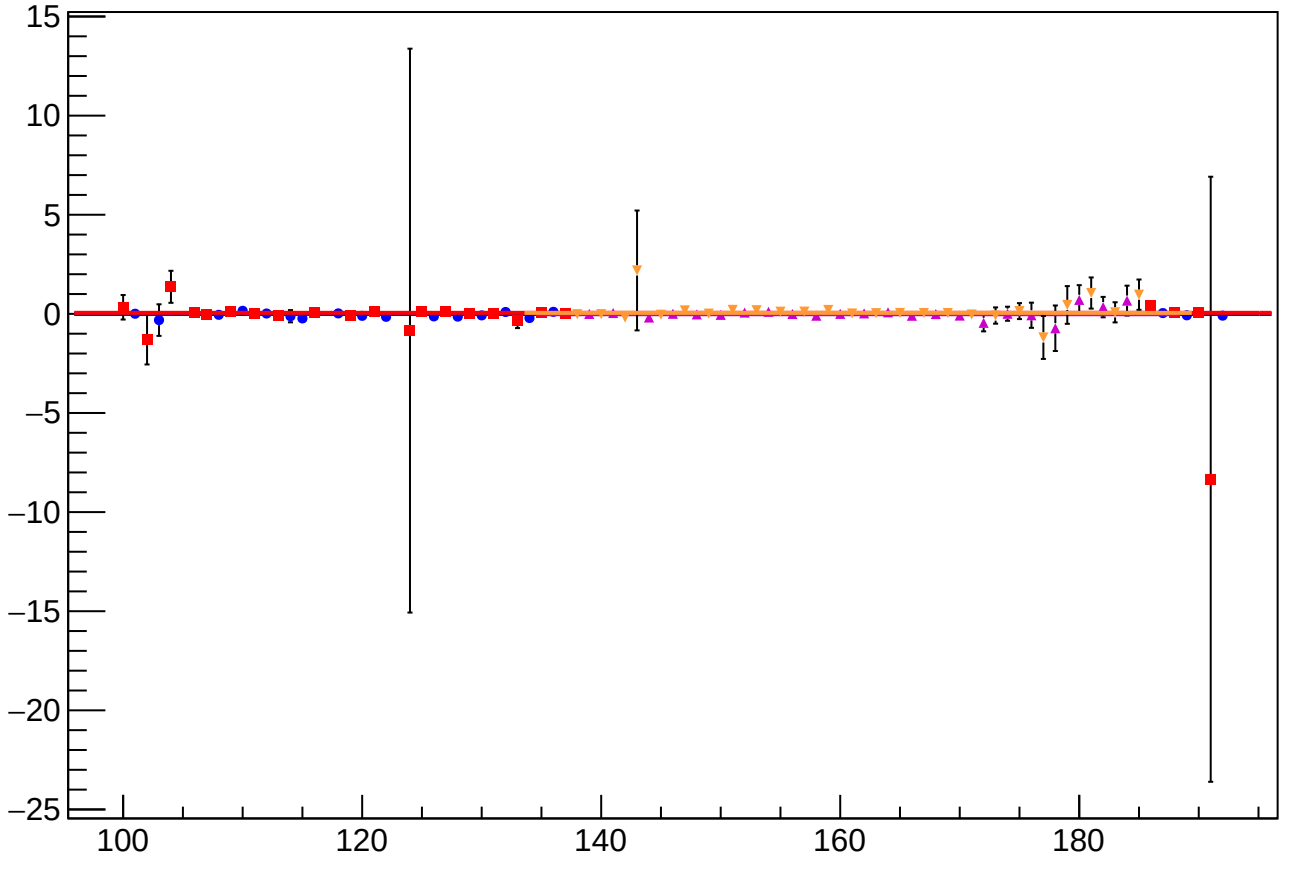
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 6684710.7/41

In: 0.000+/-0.000 χ^2/NDF:6384770.7/41

Out: 0.000+/-0.000 χ^2/NDF:6290598.8/47

All: 0.000+/-0.000 χ^2/NDF: 12691144.3/89



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: 0.053+/-0.022 χ^2/NDF: 15.7/22

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

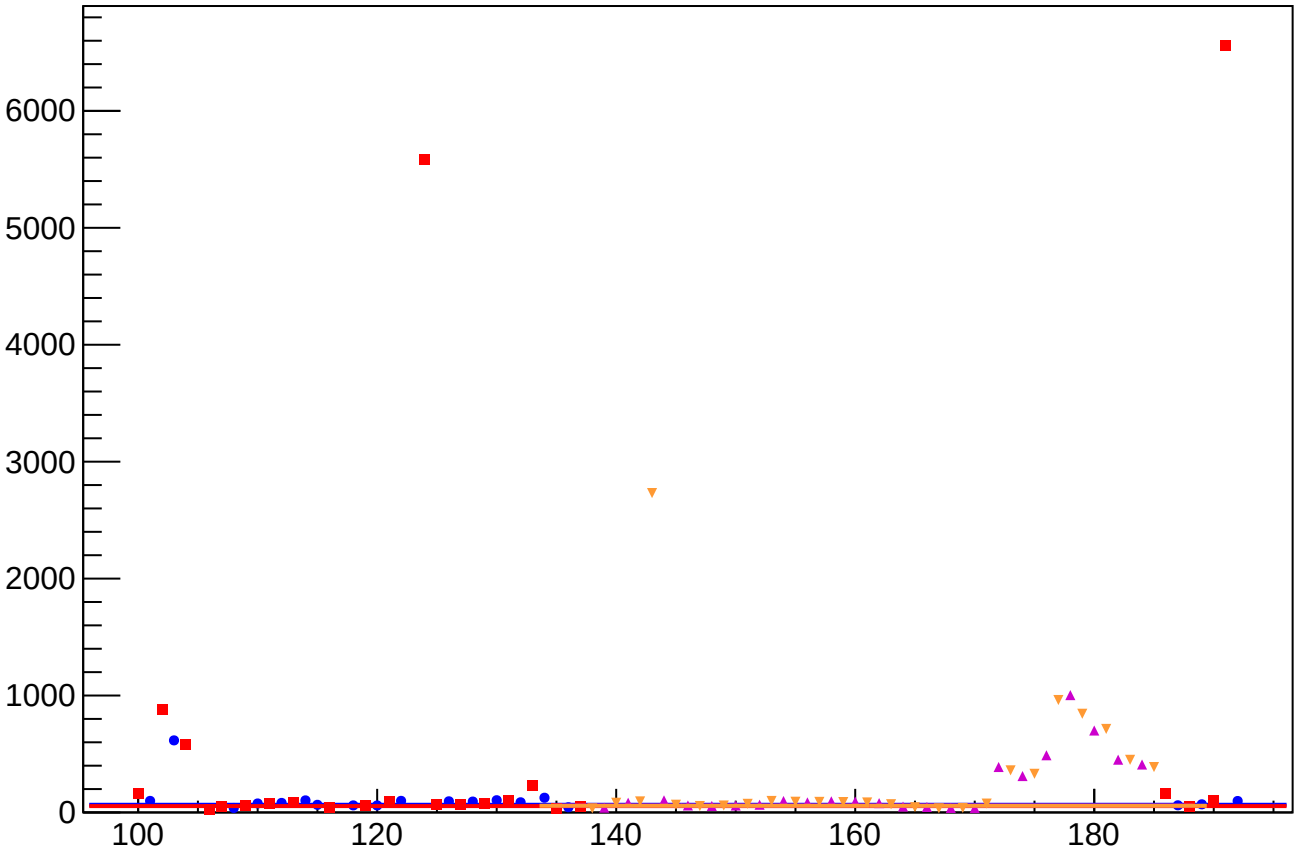
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.027+/-0.017 χ^2/NDF: 33.3/41

In: -0.015+/-0.014 χ^2/NDF:30.2/41

Out: 0.051+/-0.014 χ^2/NDF:40.2/47

All: 0.019+/-0.010 χ^2/NDF: 81.6/89



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: 54.348+/-0.016 χ^2/NDF: 4804357.1/22

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

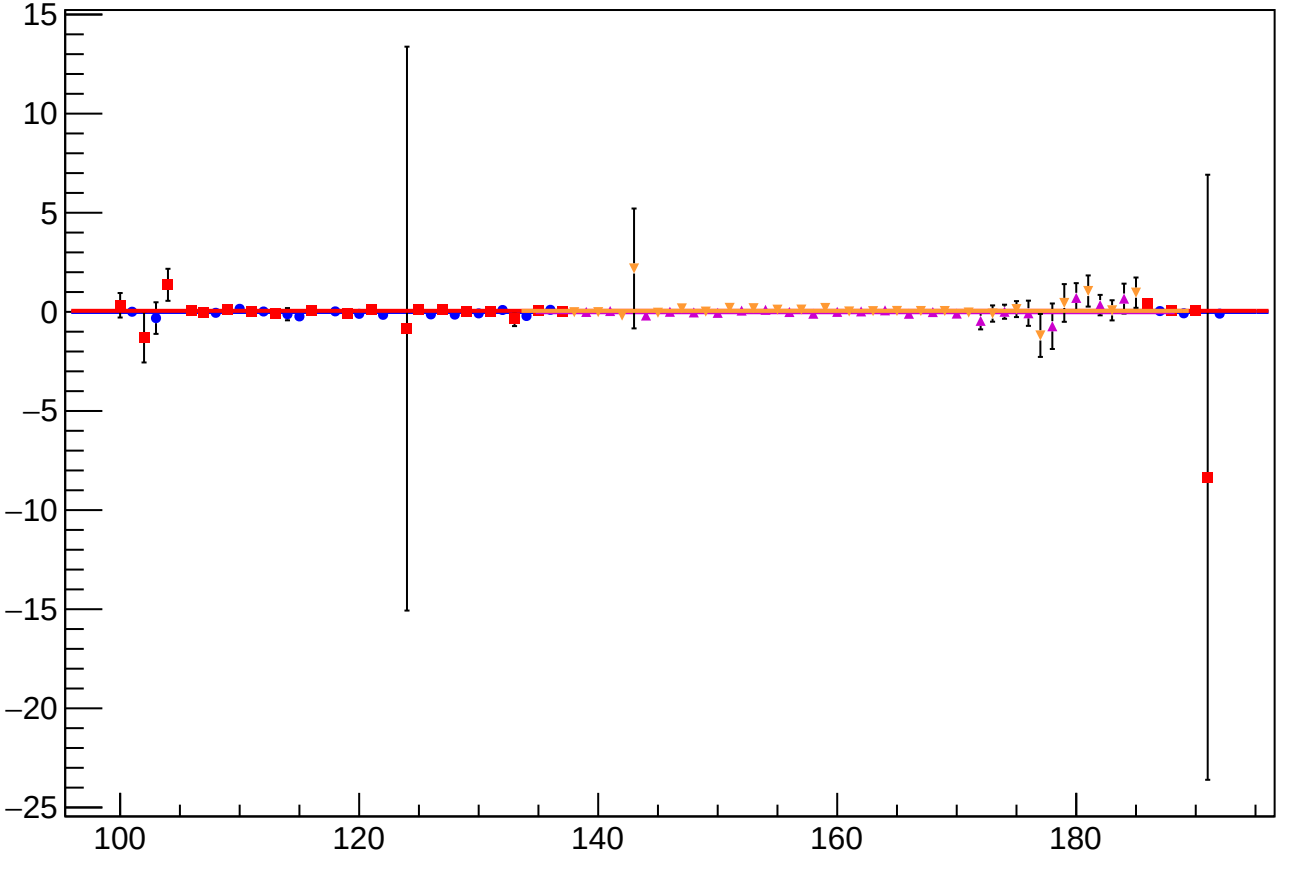
Right: 59.396+/-0.012 χ^2/NDF: 7677036.3/41

In: 60.837+/-0.010 χ^2/NDF:13003414.1/41

Out: 56.199+/-0.010 χ^2/NDF:17147682.7/47

All: 58.422+/-0.007 χ^2/NDF: 30262967.8/89

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: 0.053+/-0.022 χ^2/NDF: 15.7/22

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

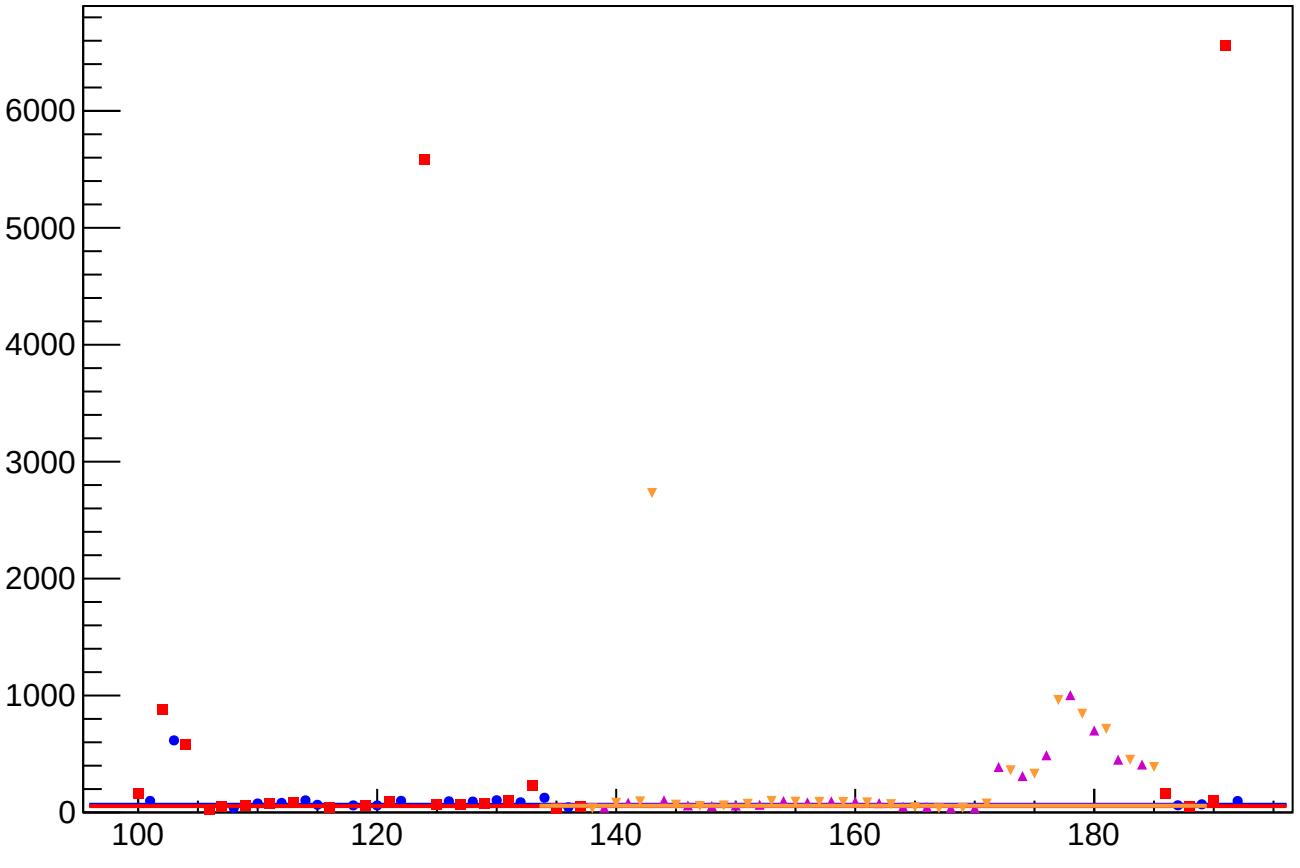
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.027+/-0.017 χ^2/NDF: 33.3/41

In: -0.015+/-0.014 χ^2/NDF:30.2/41

Out: 0.051+/-0.014 χ^2/NDF:40.2/47

All: 0.019+/-0.010 χ^2/NDF: 81.6/89



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: 54.348+/-0.016 χ^2/NDF: 4804357.1/22

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

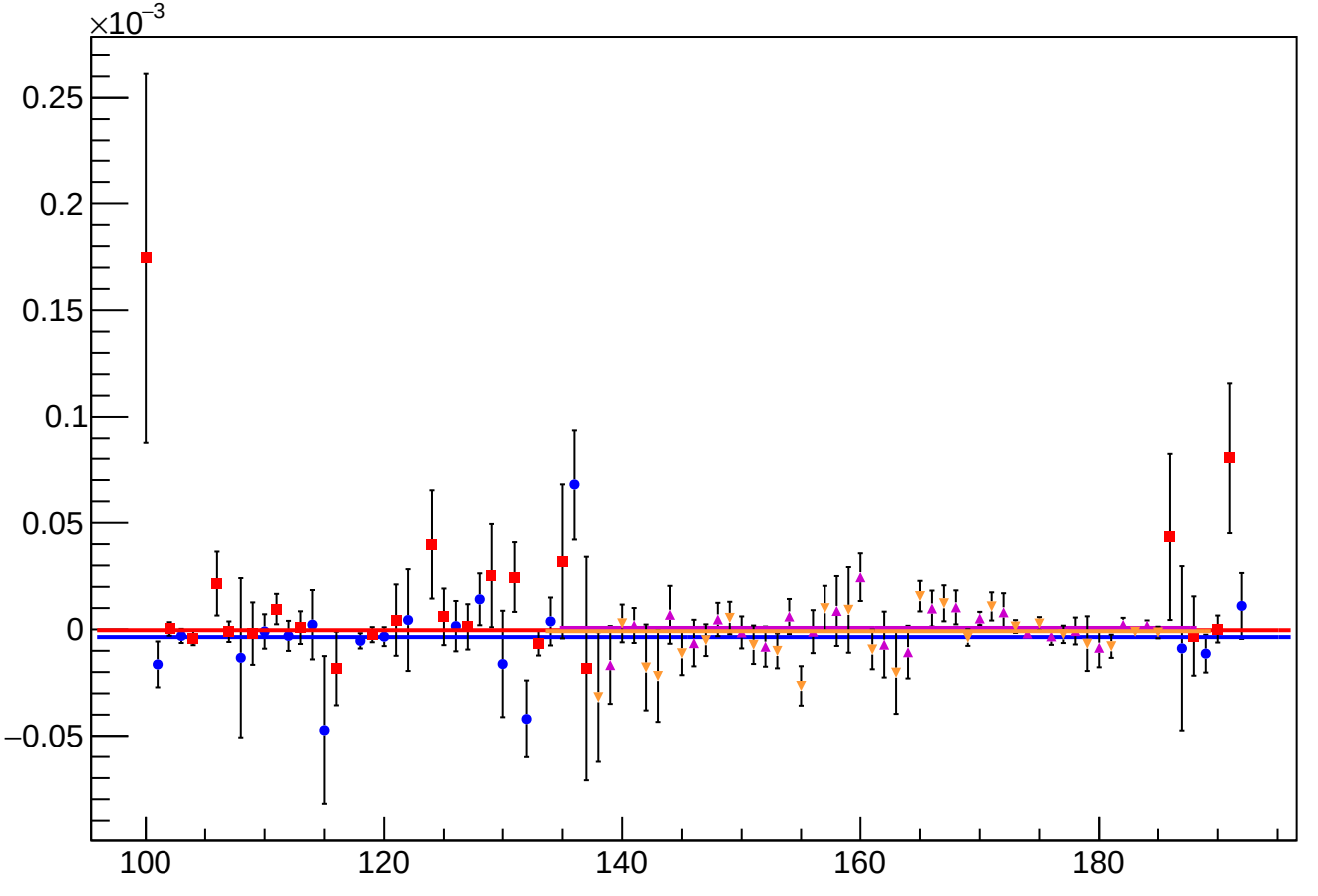
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 59.396+/-0.012 χ^2/NDF: 7677036.3/41

In: 60.837+/-0.010 χ^2/NDF:13003414.1/41

Out: 56.199+/-0.010 χ^2/NDF:17147682.7/47

All: 58.422+/-0.007 χ^2/NDF: 30262967.8/89



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: 25.7/22

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

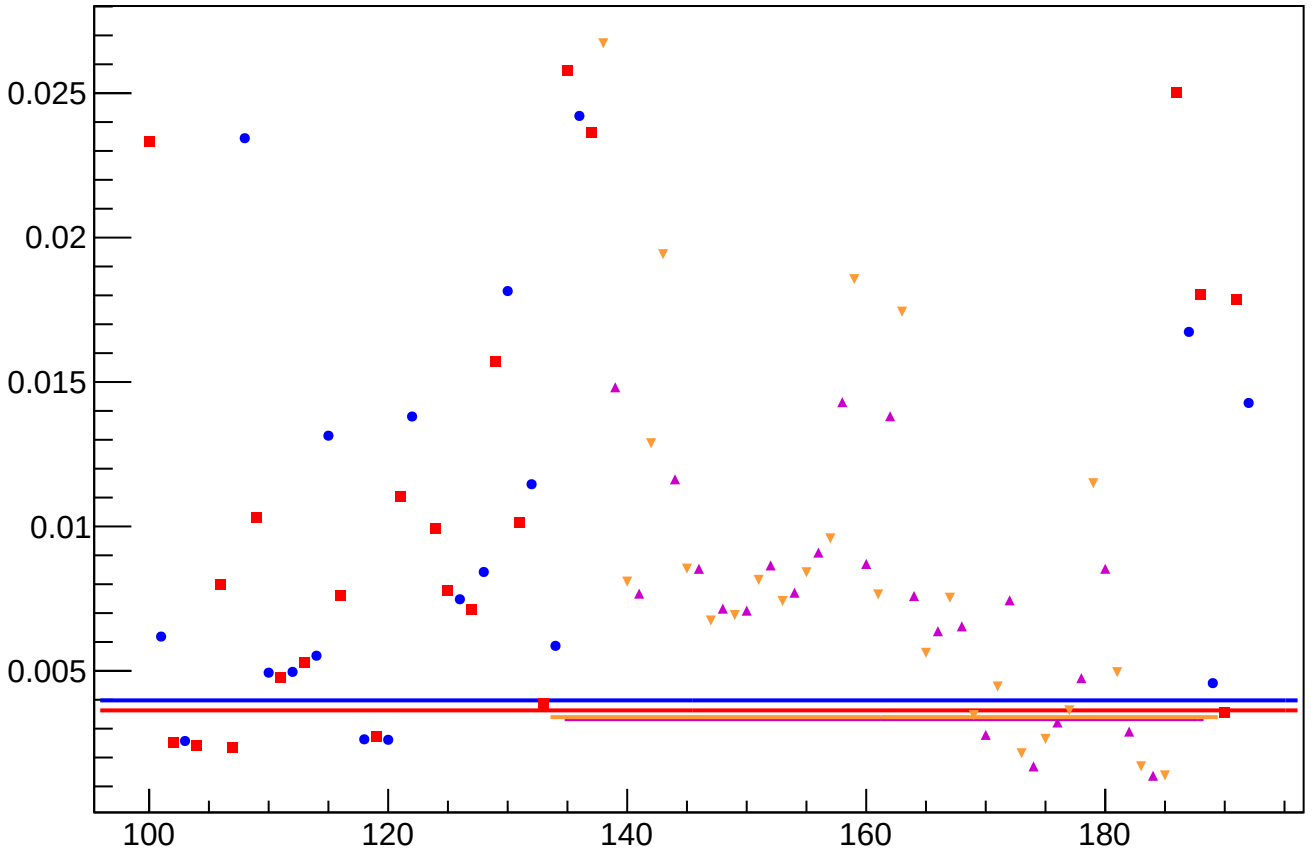
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 48.2/41

In: -0.000+/-0.000 χ^2/NDF:43.7/41

Out: -0.000+/-0.000 χ^2/NDF:58.6/47

All: -0.000+/-0.000 χ^2/NDF: 102.3/89



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: 6641832.0/22

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

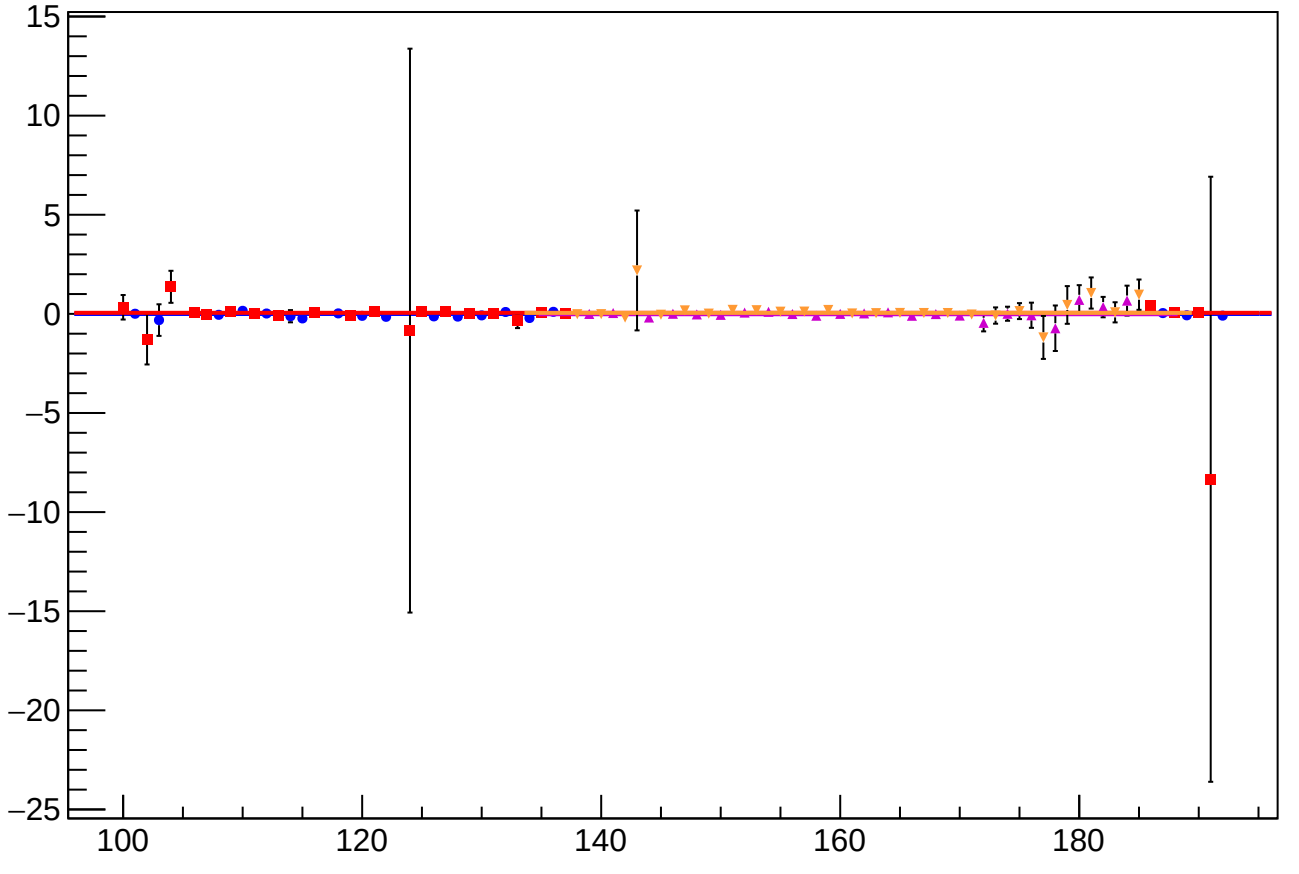
Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

Right: 0.004+/-0.000 χ^2/NDF: 12545184.0/41

In: 0.003+/-0.000 χ^2/NDF:18624661.1/41

Out: 0.003+/-0.000 χ^2/NDF:20924134.5/47

All: 0.003+/-0.000 χ^2/NDF: 39549463.8/89



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: 0.053+/-0.022 χ^2/NDF: 15.7/22

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

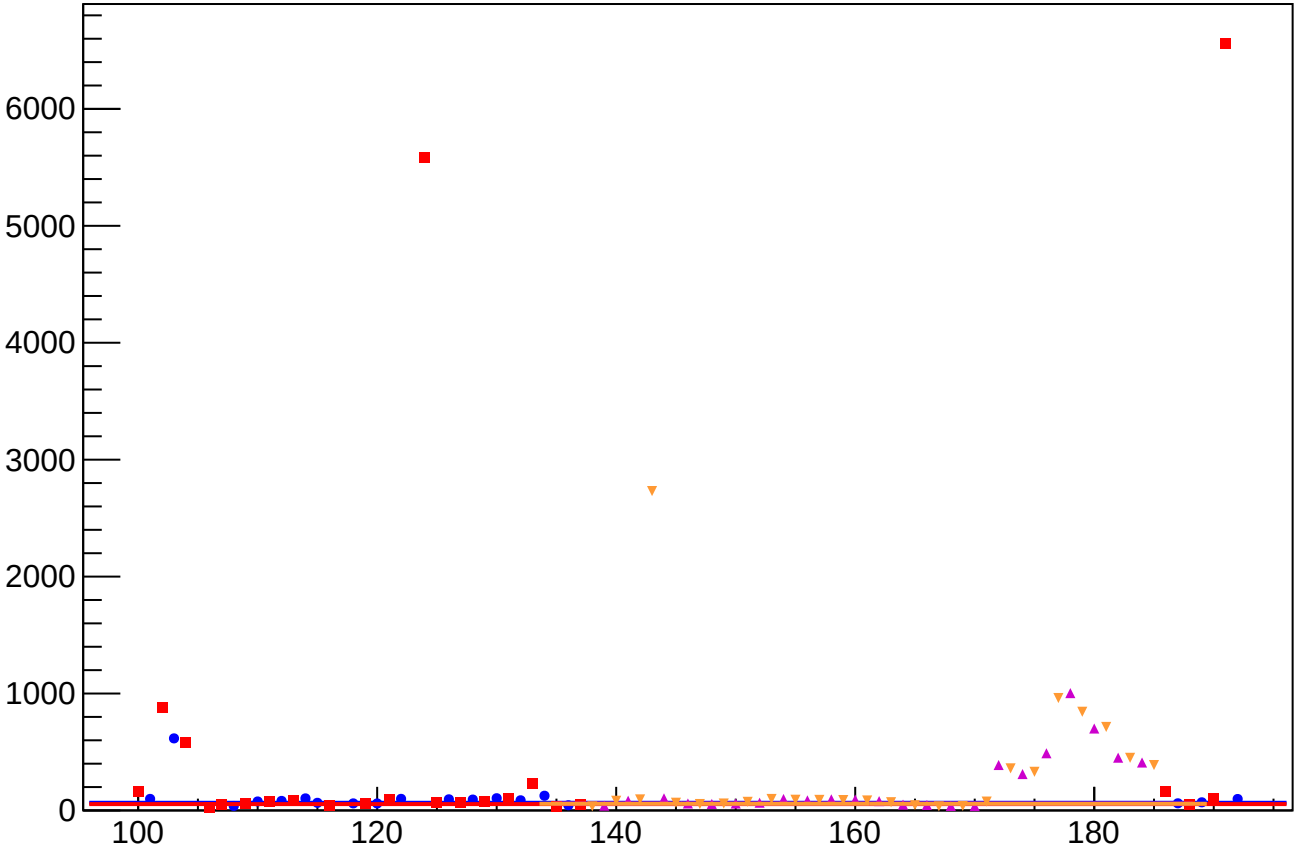
Right: 0.027+/-0.017 χ^2/NDF: 33.3/41

In: -0.015+/-0.014 χ^2/NDF:30.2/41

Out: 0.051+/-0.014 χ^2/NDF:40.2/47

All: 0.019+/-0.010 χ^2/NDF: 81.6/89

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: 54.342+/-0.016 χ^2/NDF: 4804972.3/22

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

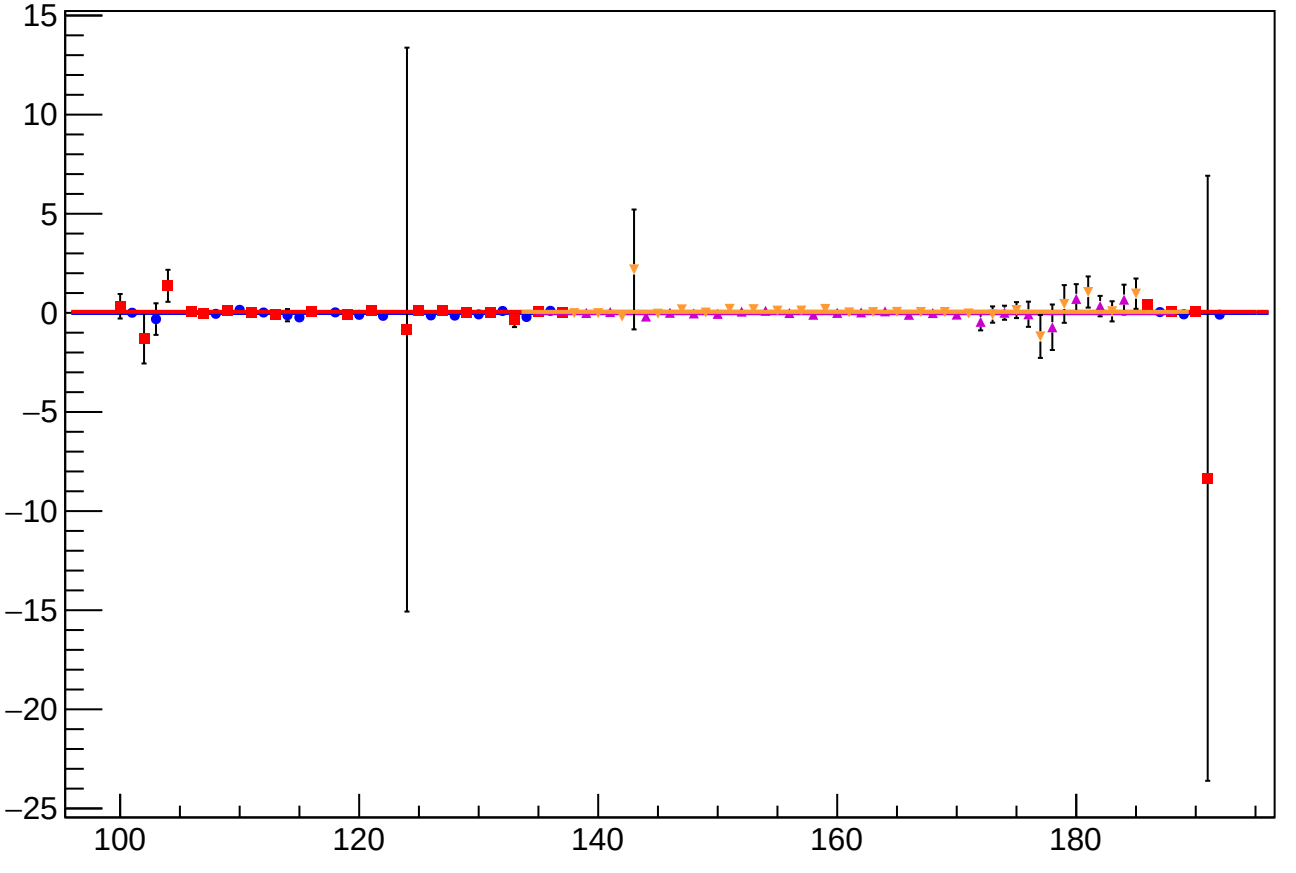
Right: 59.396+/-0.012 χ^2/NDF: 7677054.6/41

In: 60.841+/-0.010 χ^2/NDF:13001964.3/41

Out: 56.196+/-0.010 χ^2/NDF:17148100.0/47

All: 58.422+/-0.007 χ^2/NDF: 30262246.0/89

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: 0.053+/-0.022 χ^2/NDF: 15.7/22

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

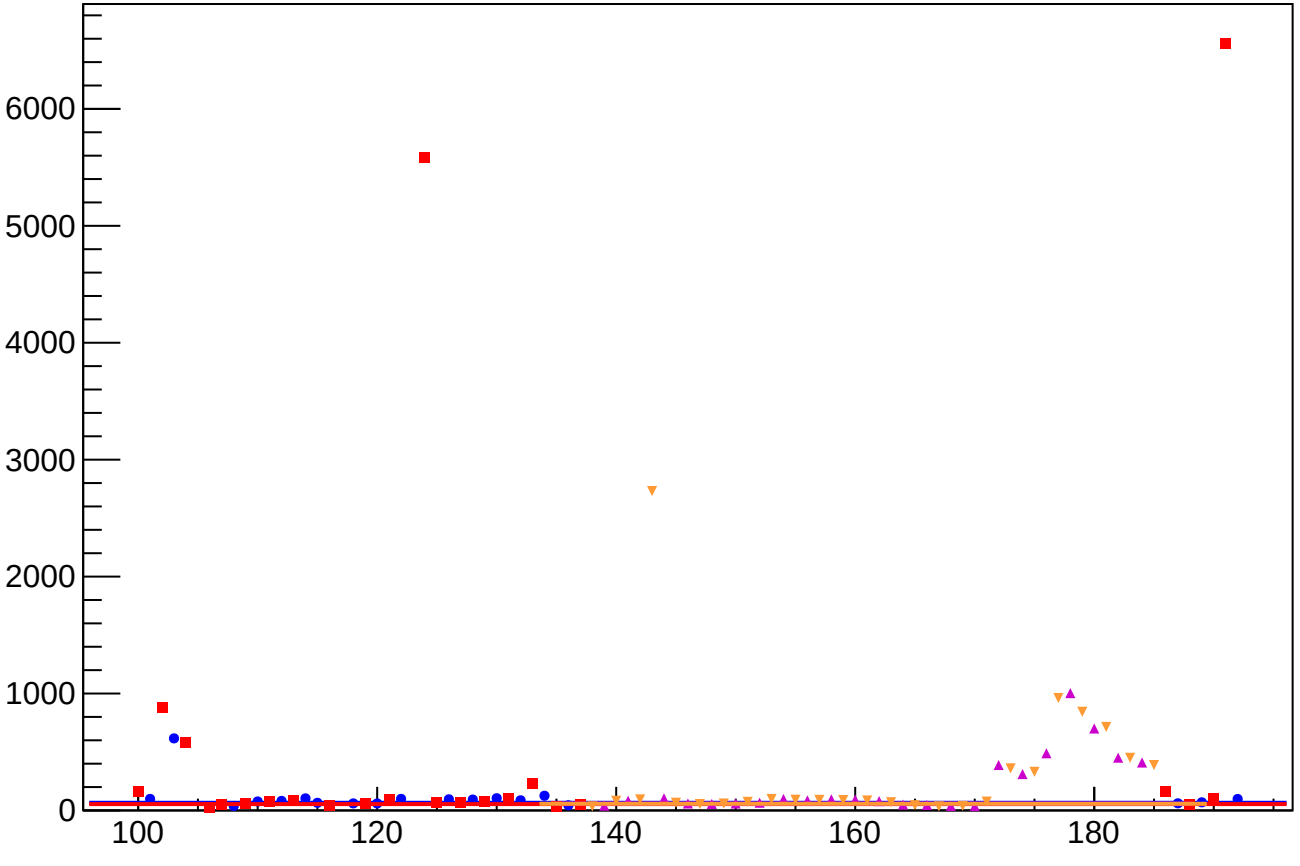
Right: 0.027+/-0.017 χ^2/NDF: 33.3/41

In: -0.015+/-0.014 χ^2/NDF:30.2/41

Out: 0.051+/-0.014 χ^2/NDF:40.2/47

All: 0.019+/-0.010 χ^2/NDF: 81.6/89

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: 54.342+/-0.016 χ^2/NDF: 4804972.3/22

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

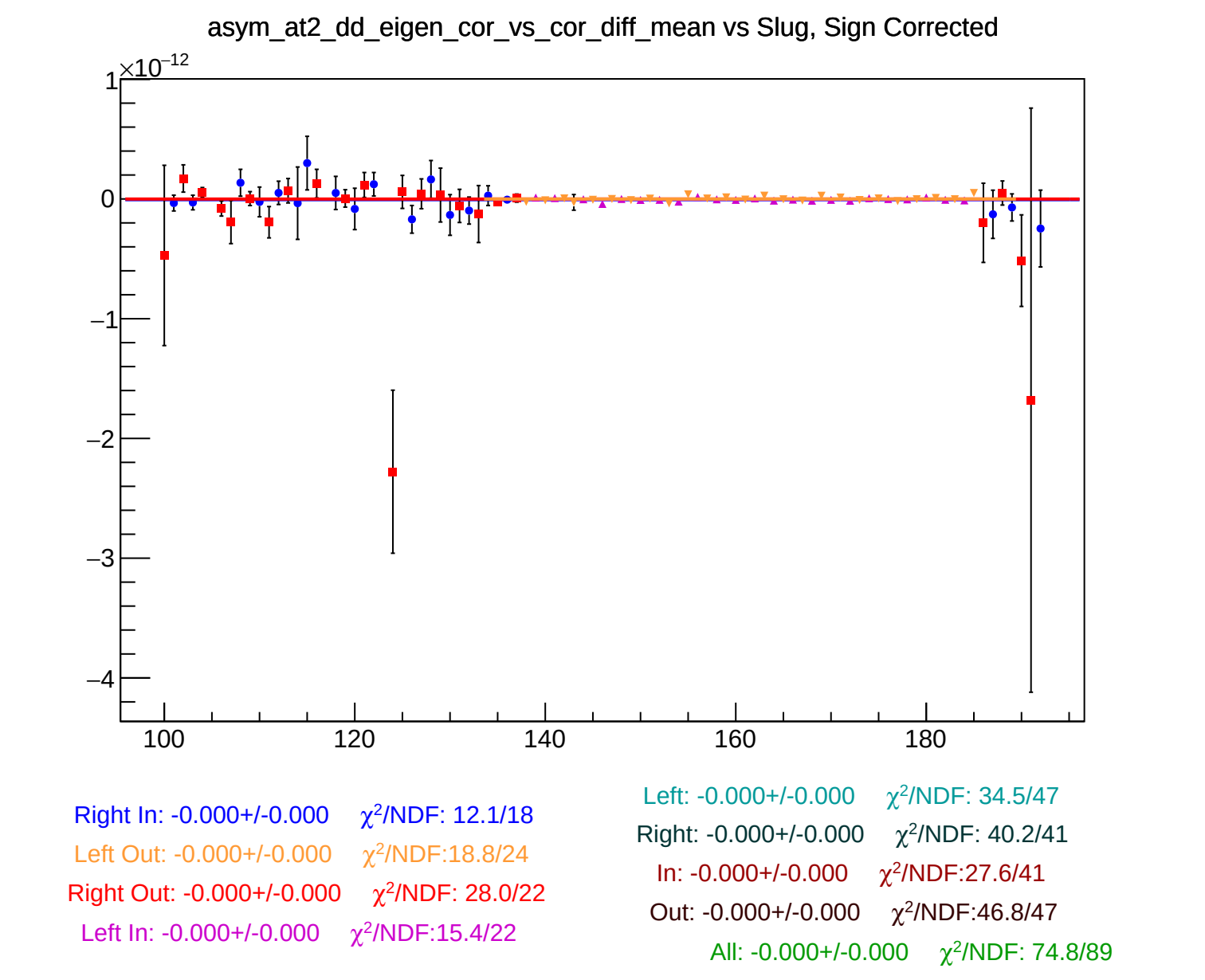
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

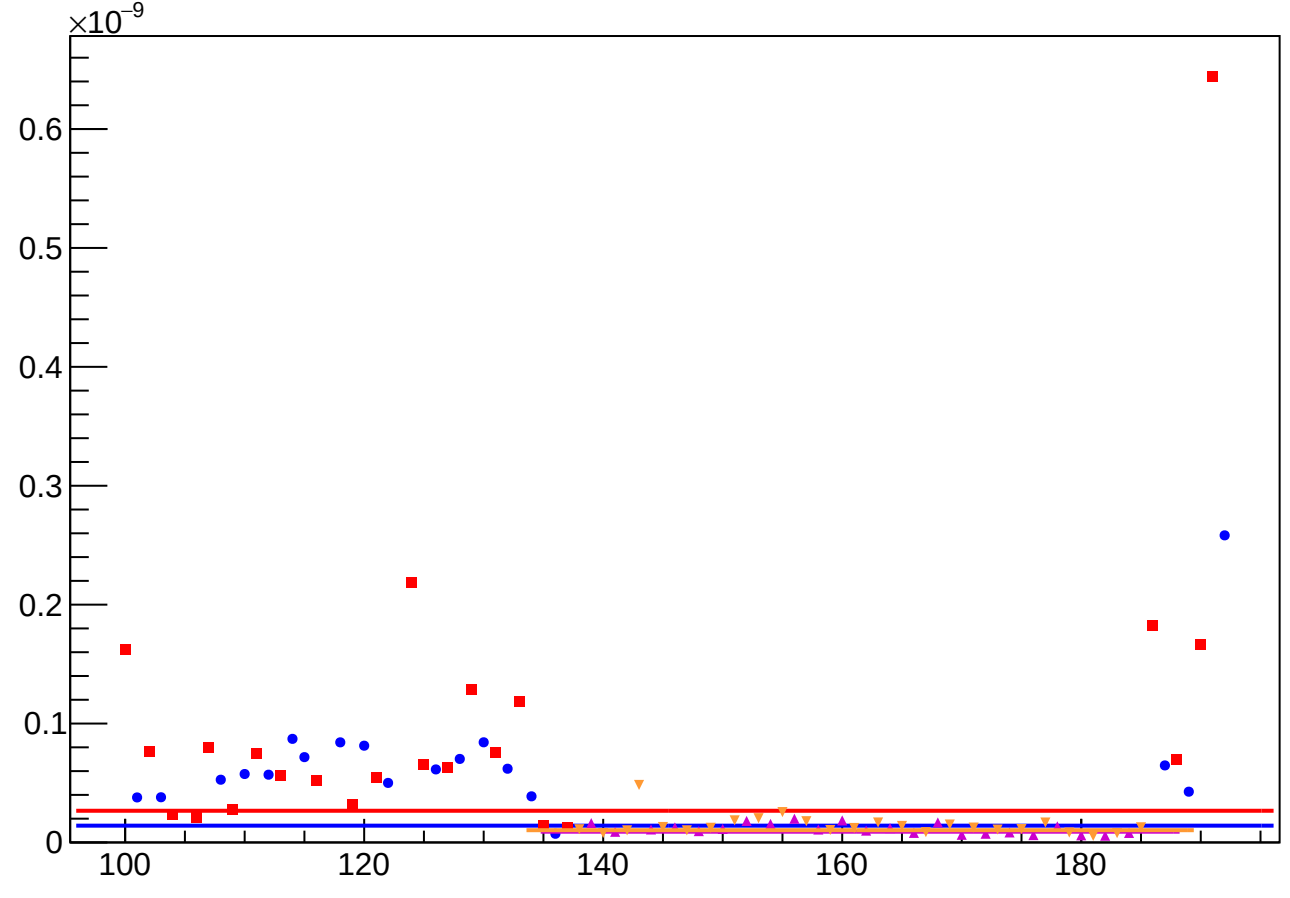
Right: 59.396+/-0.012 χ^2/NDF: 7677054.6/41

In: 60.841+/-0.010 χ^2/NDF:13001964.3/41

Out: 56.196+/-0.010 χ^2/NDF:17148100.0/47

All: 58.422+/-0.007 χ^2/NDF: 30262246.0/89


asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 12.1/18
Left Out: -0.000+/-0.000 χ²/NDF:18.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.0/22
Left In: -0.000+/-0.000 χ²/NDF:15.4/22
Left: -0.000+/-0.000 χ²/NDF: 34.5/47
Right: -0.000+/-0.000 χ²/NDF: 40.2/41
In: -0.000+/-0.000 χ²/NDF:27.6/41
Out: -0.000+/-0.000 χ²/NDF:46.8/47
All: -0.000+/-0.000 χ²/NDF: 74.8/89



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: 4810465.9/22

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

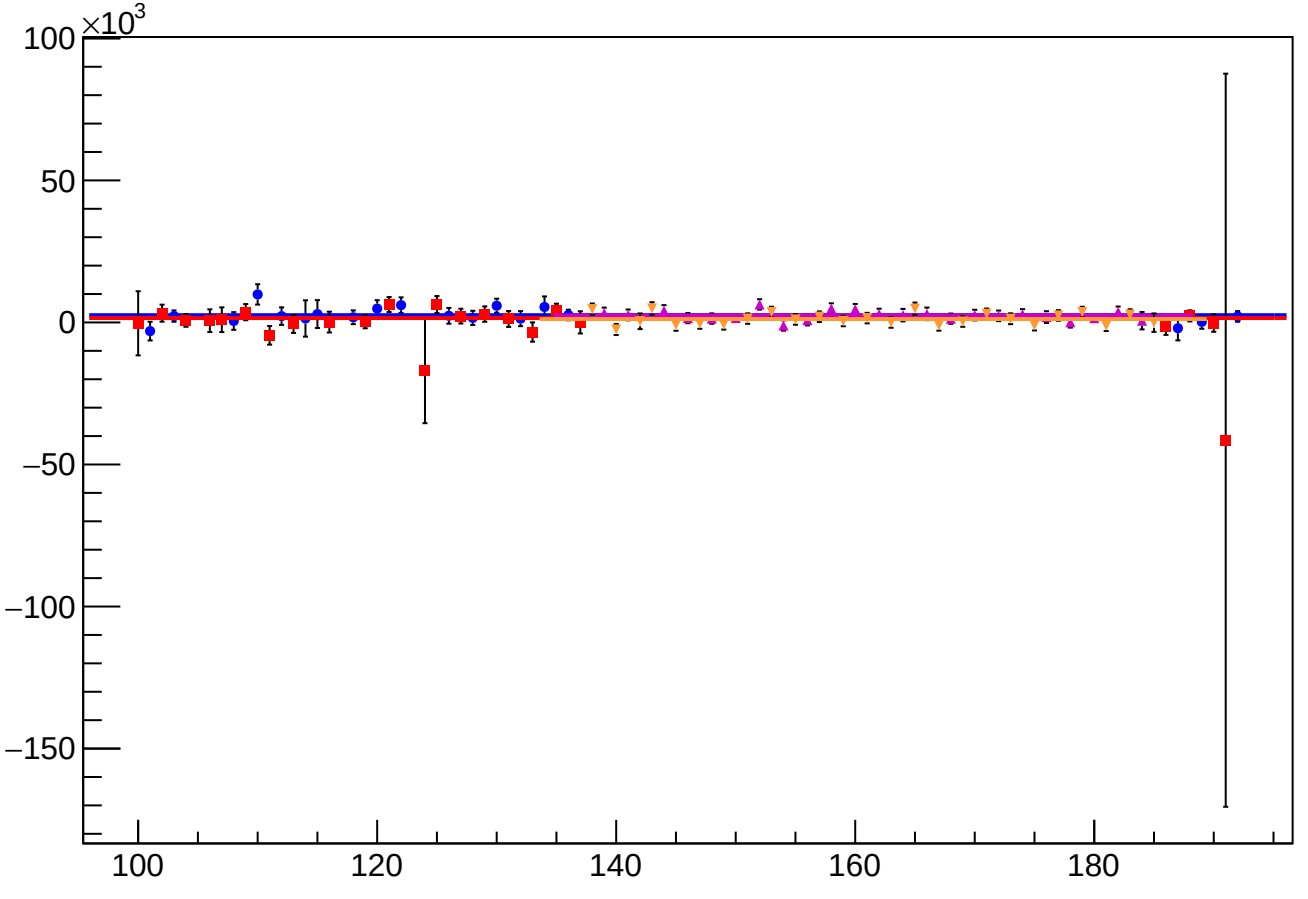
Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

Right: 0.000+/-0.000 χ^2/NDF: 12190695.4/41

In: 0.000+/-0.000 χ^2/NDF:9922255.8/41

Out: 0.000+/-0.000 χ^2/NDF:10778644.5/47

All: 0.000+/-0.000 χ^2/NDF: 21000353.0/89



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: 1552.183+/-635.337 χ^2/NDF: 17.4/22

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

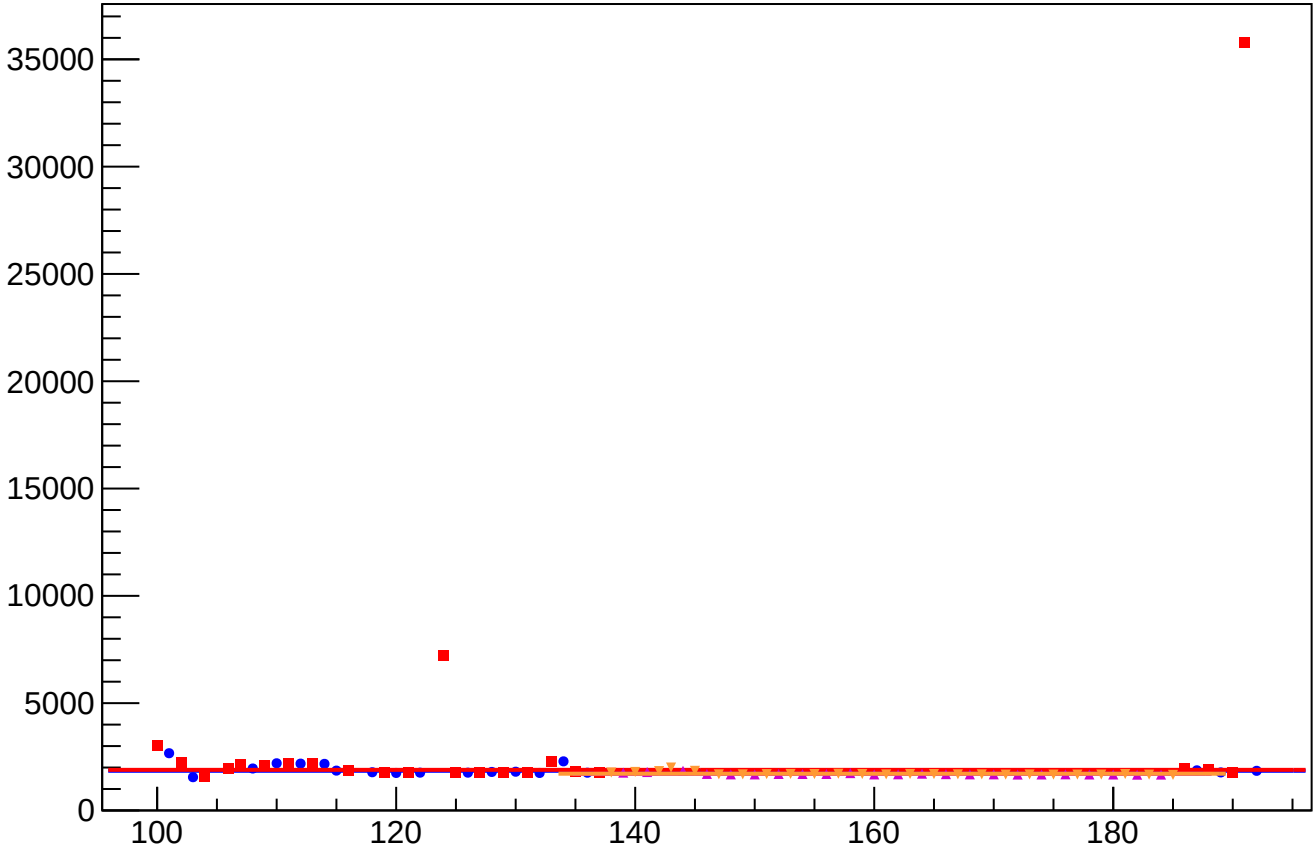
Right: 2058.035+/-444.775 χ^2/NDF: 33.5/41

In: 2469.507+/-335.360 χ^2/NDF:32.3/41

Out: 1297.823+/-331.840 χ^2/NDF:43.9/47

All: 1877.483+/-235.881 χ^2/NDF: 82.4/89

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: 1892.064+/-0.448 χ^2/NDF: 513870.4/22

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

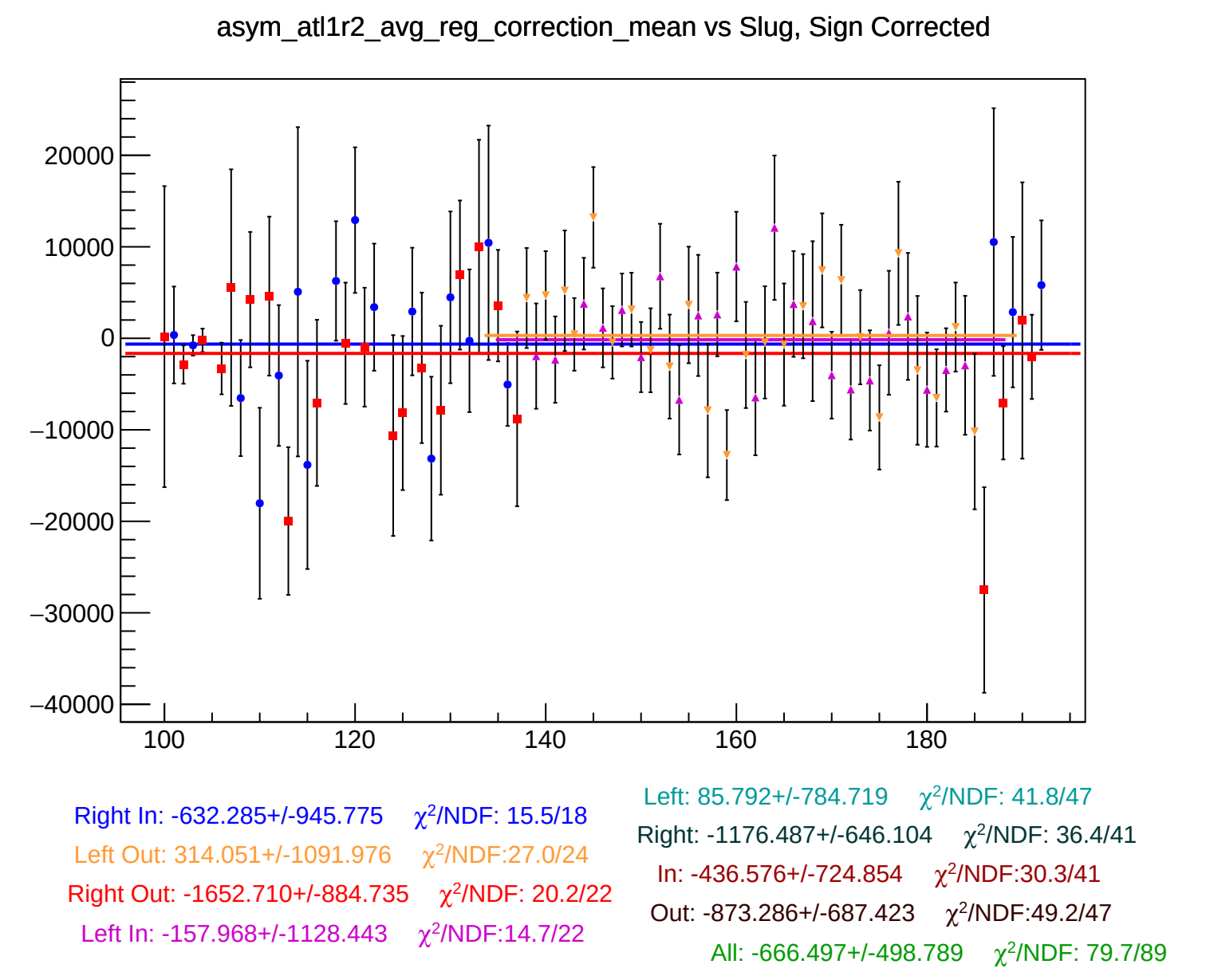
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

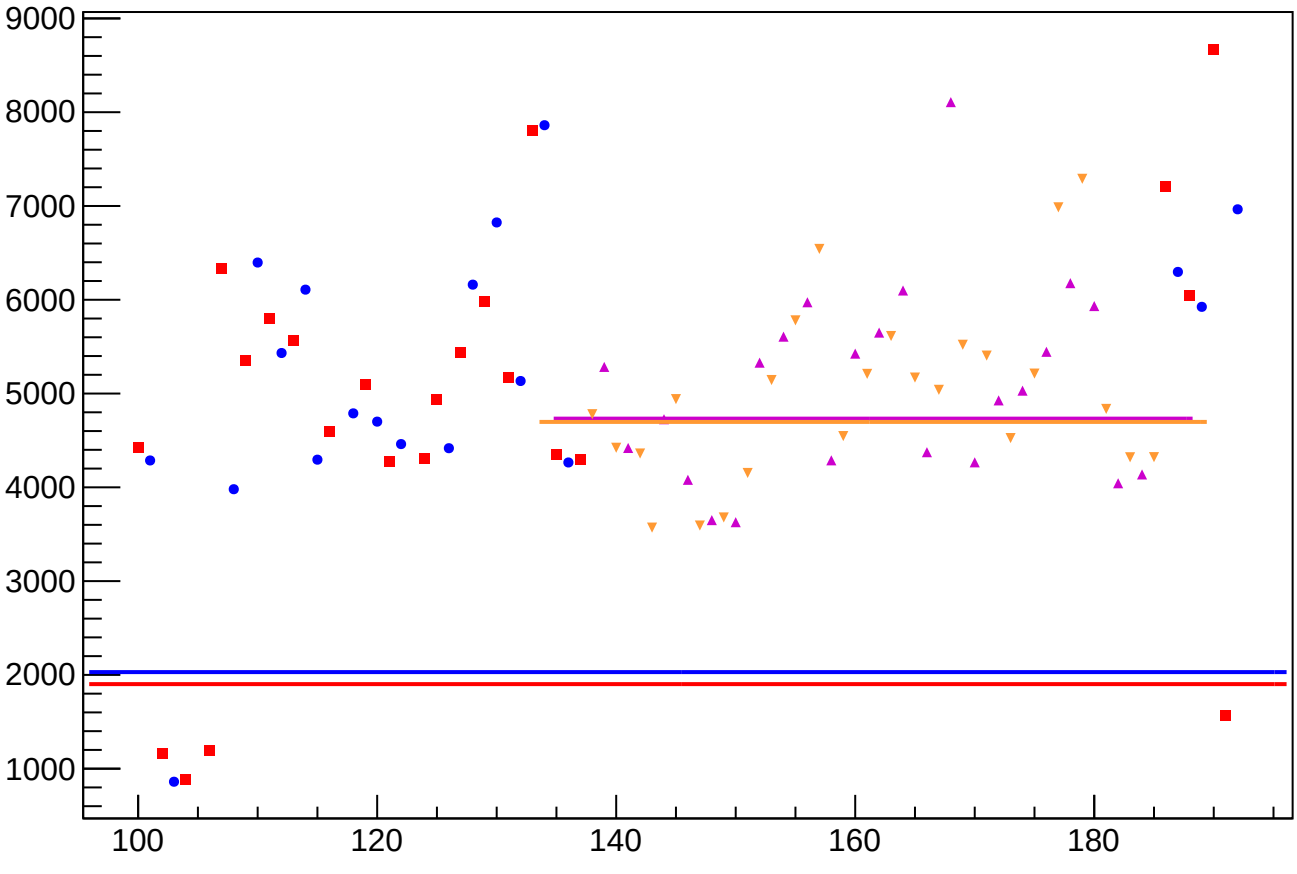
Right: 1869.862+/-0.314 χ^2/NDF: 784135.5/41

In: 1745.851+/-0.237 χ^2/NDF:364427.6/41

Out: 1761.094+/-0.235 χ^2/NDF:691372.4/47

All: 1753.557+/-0.167 χ^2/NDF: 1057888.7/89


asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -632.285+/-945.775 χ²/NDF: 15.5/18
Left Out: 314.051+/-1091.976 χ²/NDF:27.0/24
Right Out: -1652.710+/-884.735 χ²/NDF: 20.2/22
Left In: -157.968+/-1128.443 χ²/NDF:14.7/22
Left: 85.792+/-784.719 χ²/NDF: 41.8/47
Right: -1176.487+/-646.104 χ²/NDF: 36.4/41
In: -436.576+/-724.854 χ²/NDF:30.3/41
Out: -873.286+/-687.423 χ²/NDF:49.2/47
All: -666.497+/-498.789 χ²/NDF: 79.7/89



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: 1901.672+/-0.626 χ^2/NDF: 8231868.5/22

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

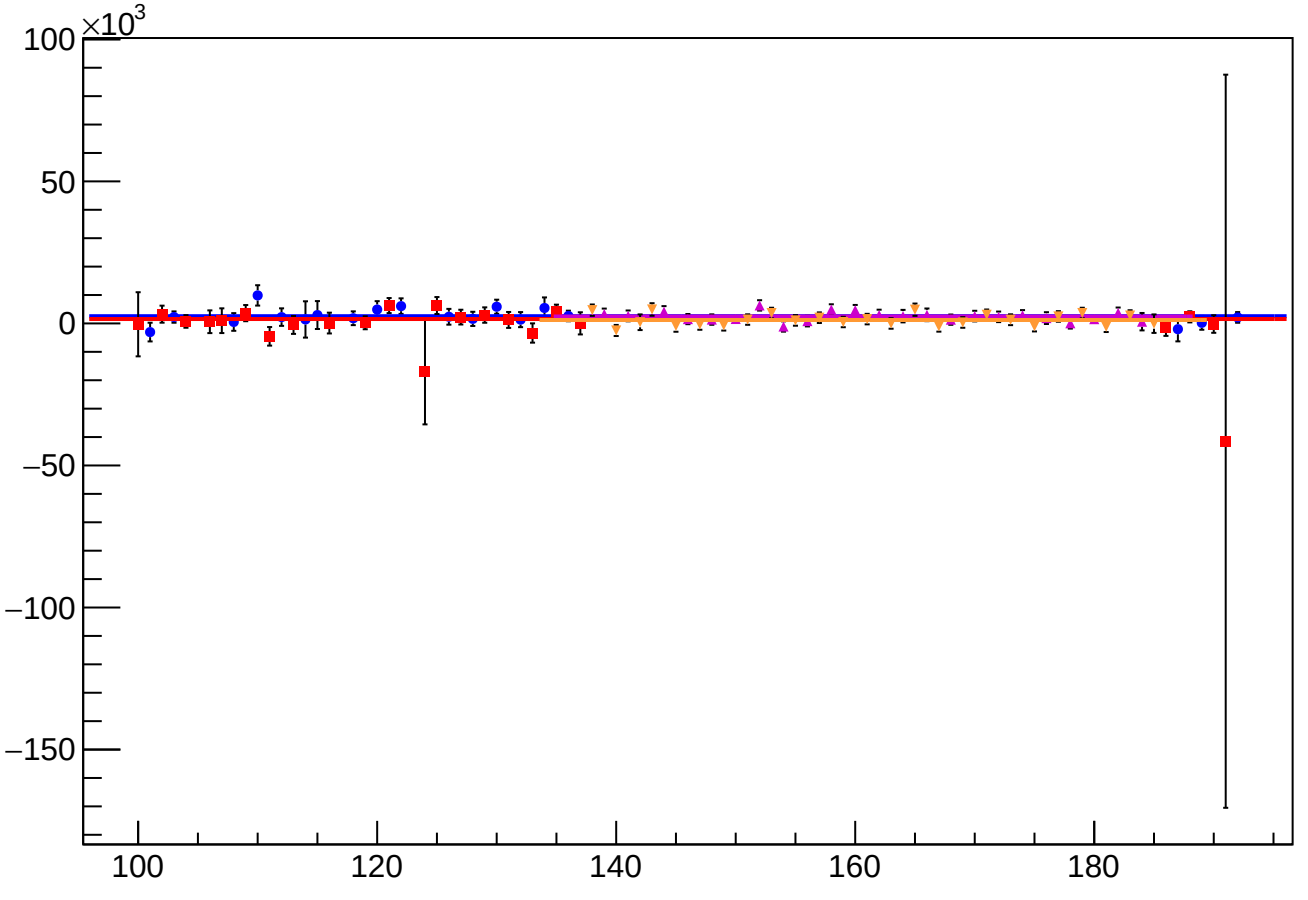
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 1961.458+/-0.457 χ^2/NDF: 16751114.5/41

In: 3144.921+/-0.513 χ^2/NDF:16481140.0/41

Out: 3009.703+/-0.486 χ^2/NDF:17386862.0/47

All: 3073.730+/-0.353 χ^2/NDF: 33904644.7/8



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: 1551.072+/-635.338 χ^2/NDF: 17.4/22

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

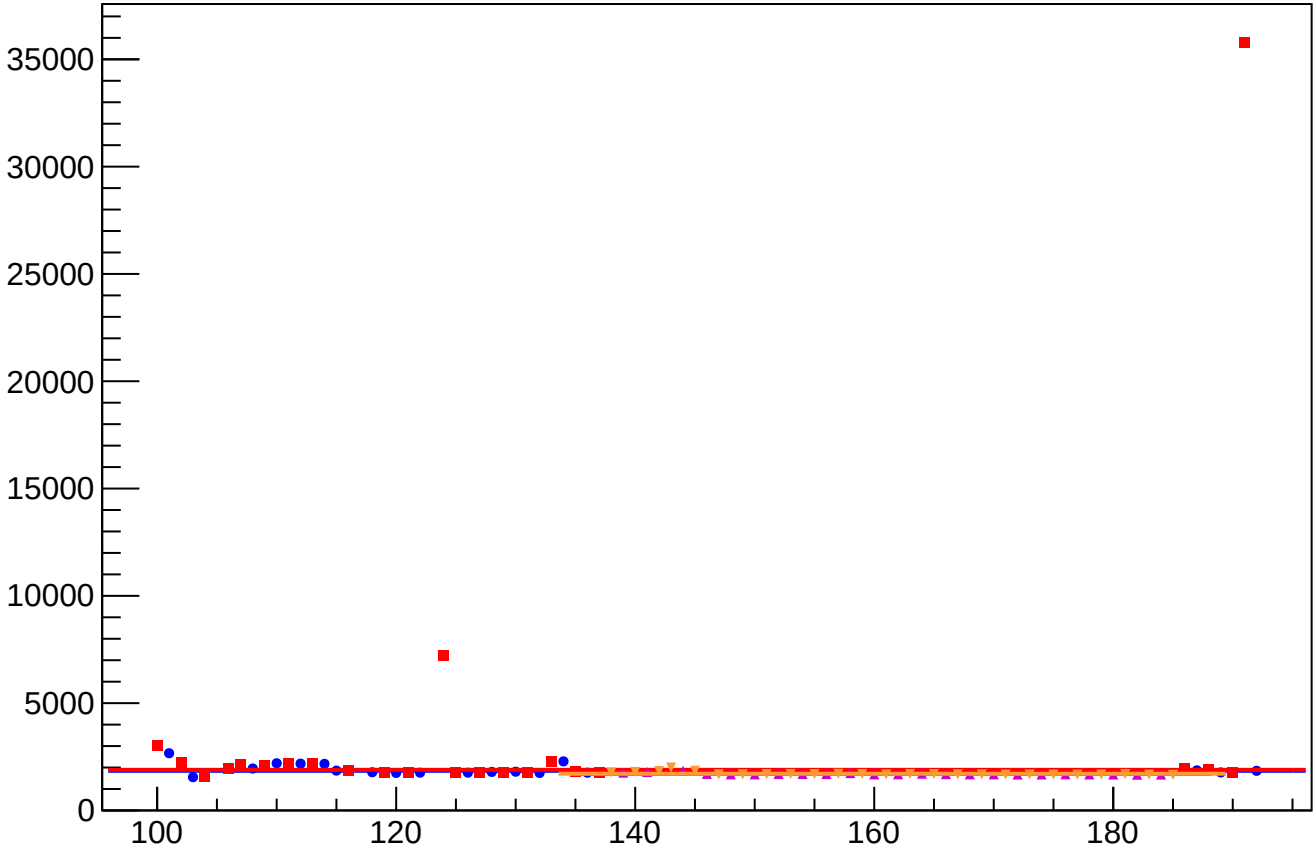
Right: 2057.551+/-444.775 χ^2/NDF: 33.5/41

In: 2469.493+/-335.360 χ^2/NDF:32.3/41

Out: 1297.448+/-331.840 χ^2/NDF:43.9/47

All: 1877.287+/-235.881 χ^2/NDF: 82.4/89

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: 1892.435+/-0.448 χ^2/NDF: 514110.0/22

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

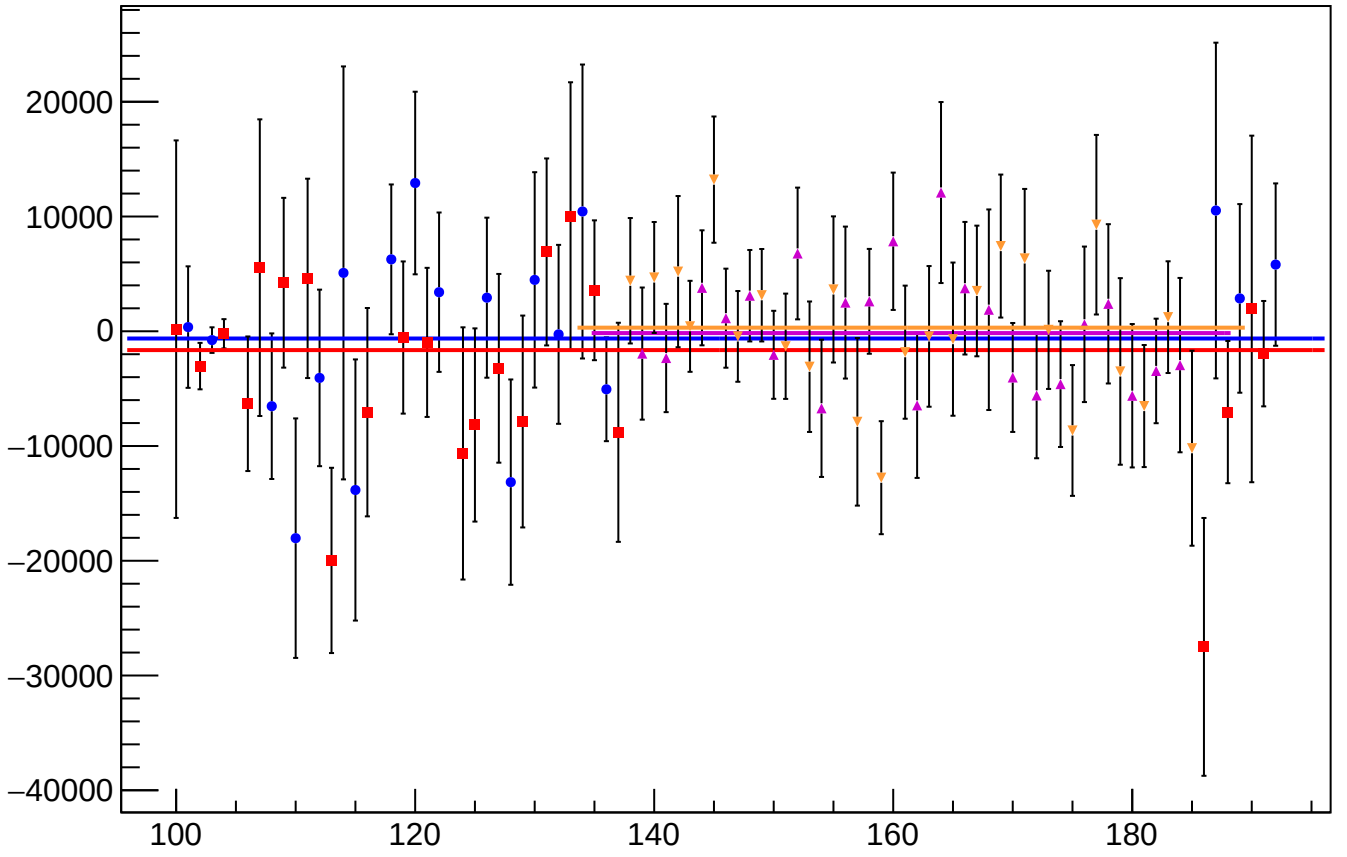
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1870.040+/-0.314 χ^2/NDF: 784456.3/41

In: 1745.851+/-0.237 χ^2/NDF:364427.5/41

Out: 1761.182+/-0.235 χ^2/NDF:692064.0/47

All: 1753.601+/-0.167 χ^2/NDF: 1058604.5/89



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: -1641.191+/-913.594 χ^2/NDF: 20.7/22

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

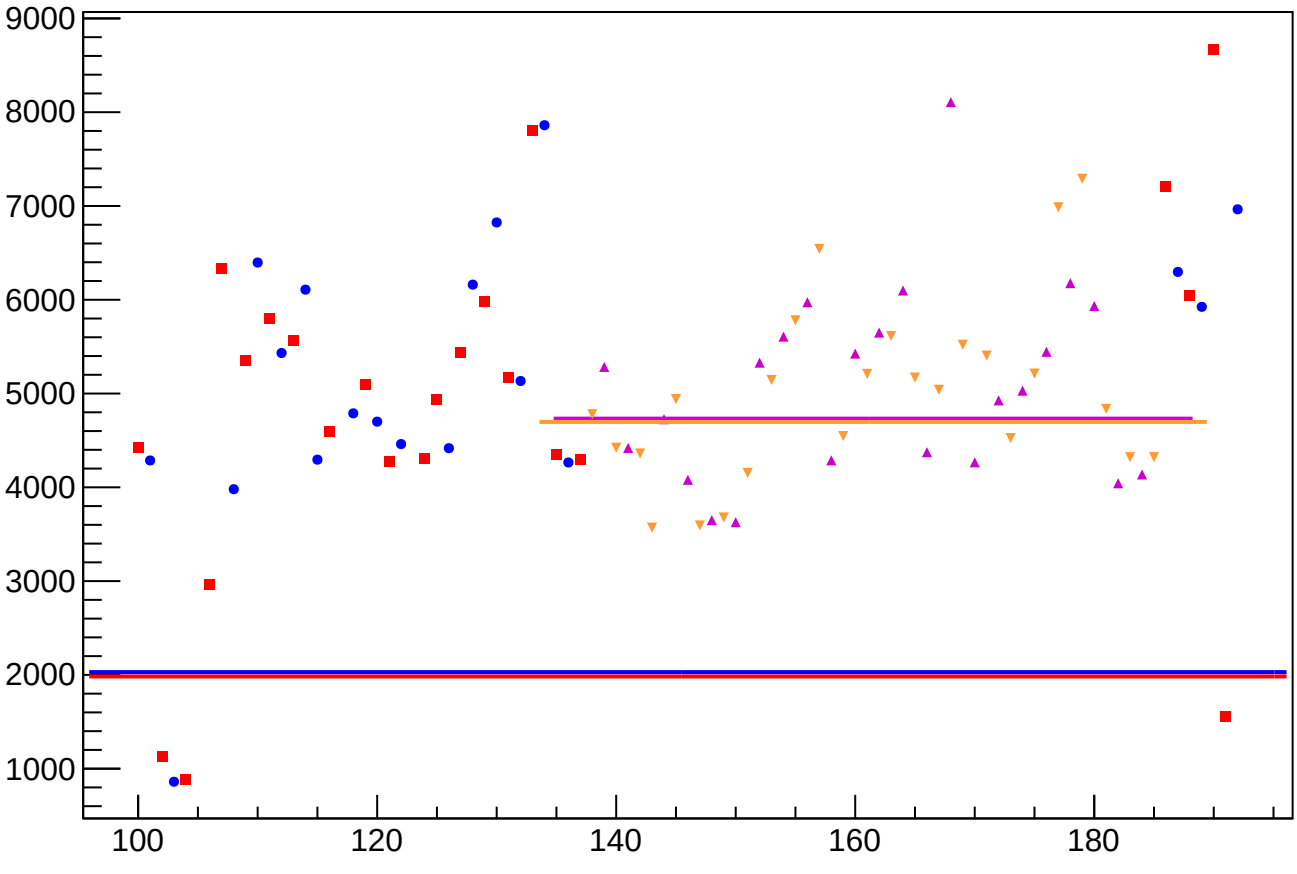
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -1153.954+/-657.074 χ^2/NDF: 36.8/41

In: -436.333+/-724.831 χ^2/NDF:30.3/41

Out: -836.096+/-700.700 χ^2/NDF:49.6/47

All: -642.980+/-503.785 χ^2/NDF: 80.0/89



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: 1983.506+/-0.646 χ^2/NDF: 8202554.3/22

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

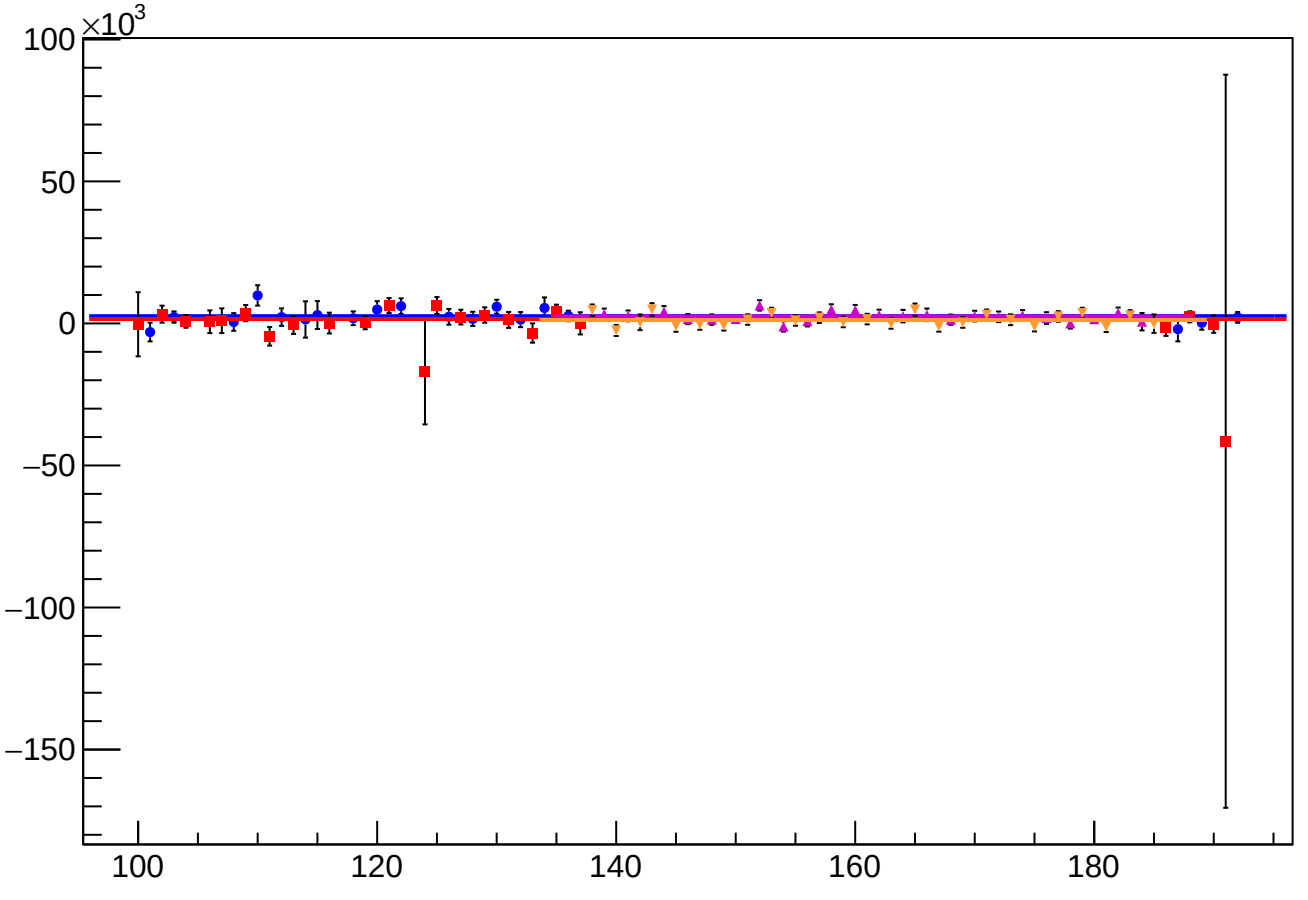
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2005.763+/-0.465 χ^2/NDF: 16705225.4/41

In: 3144.753+/-0.513 χ^2/NDF:16482800.6/41

Out: 3101.055+/-0.495 χ^2/NDF:16709998.8/47

All: 3122.165+/-0.356 χ^2/NDF: 33196556.9/8



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: 1551.072+/-635.338 χ^2/NDF: 17.4/22

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

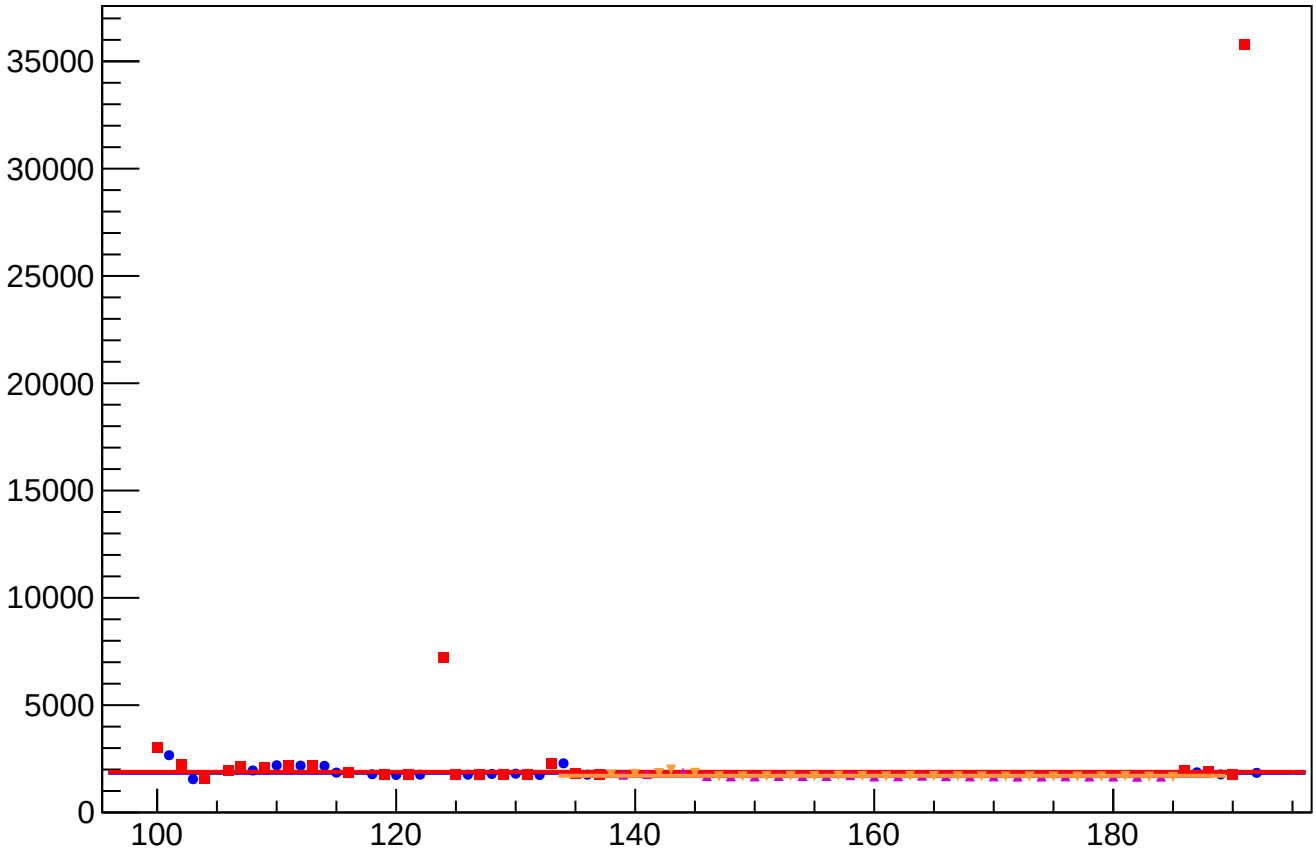
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2057.551+/-444.775 χ^2/NDF: 33.5/41

In: 2469.493+/-335.360 χ^2/NDF:32.3/41

Out: 1297.448+/-331.840 χ^2/NDF:43.9/47

All: 1877.287+/-235.881 χ^2/NDF: 82.4/89



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: 1892.435+/-0.448 χ^2/NDF: 514110.0/22

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

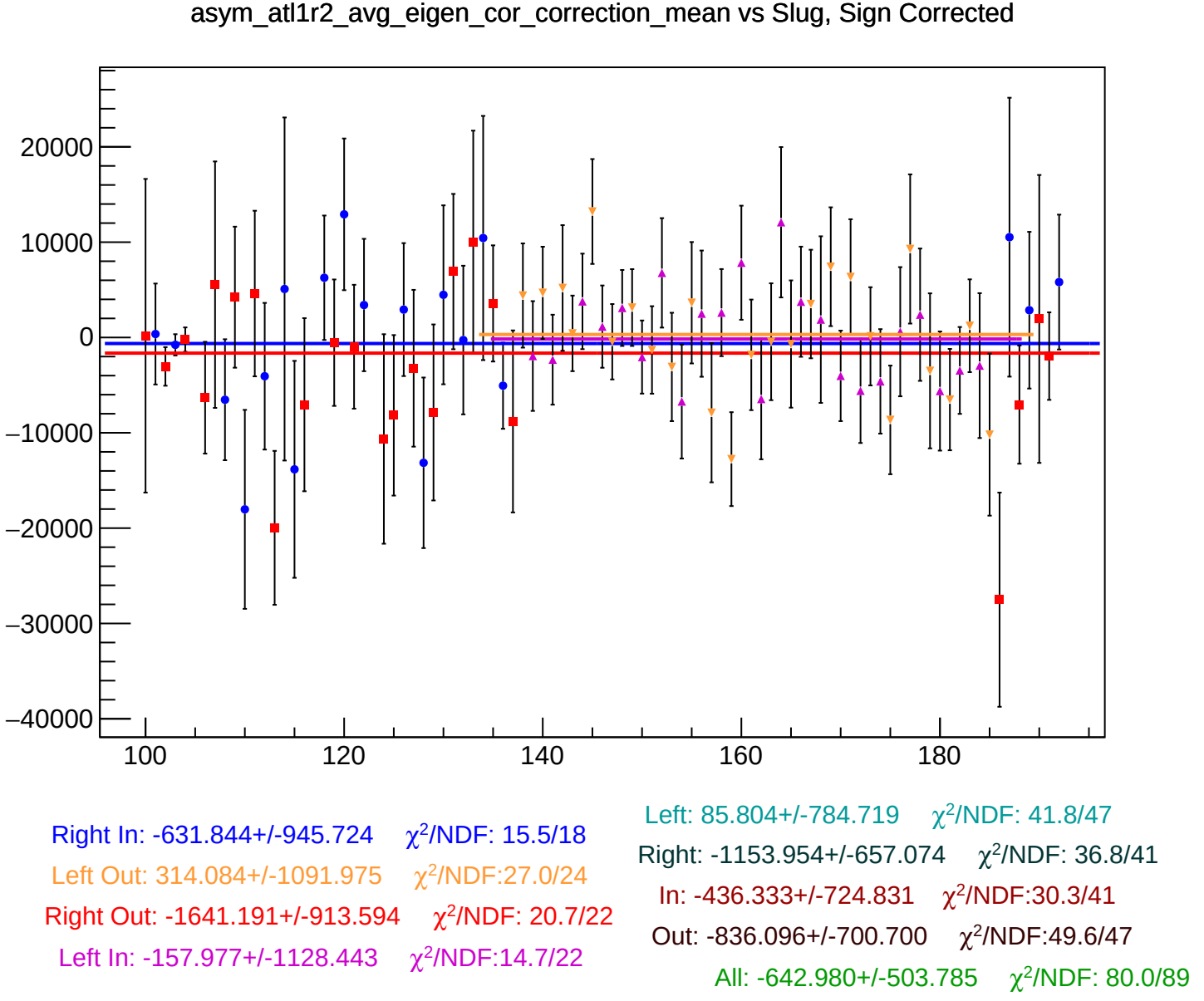
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1870.040+/-0.314 χ^2/NDF: 784456.3/41

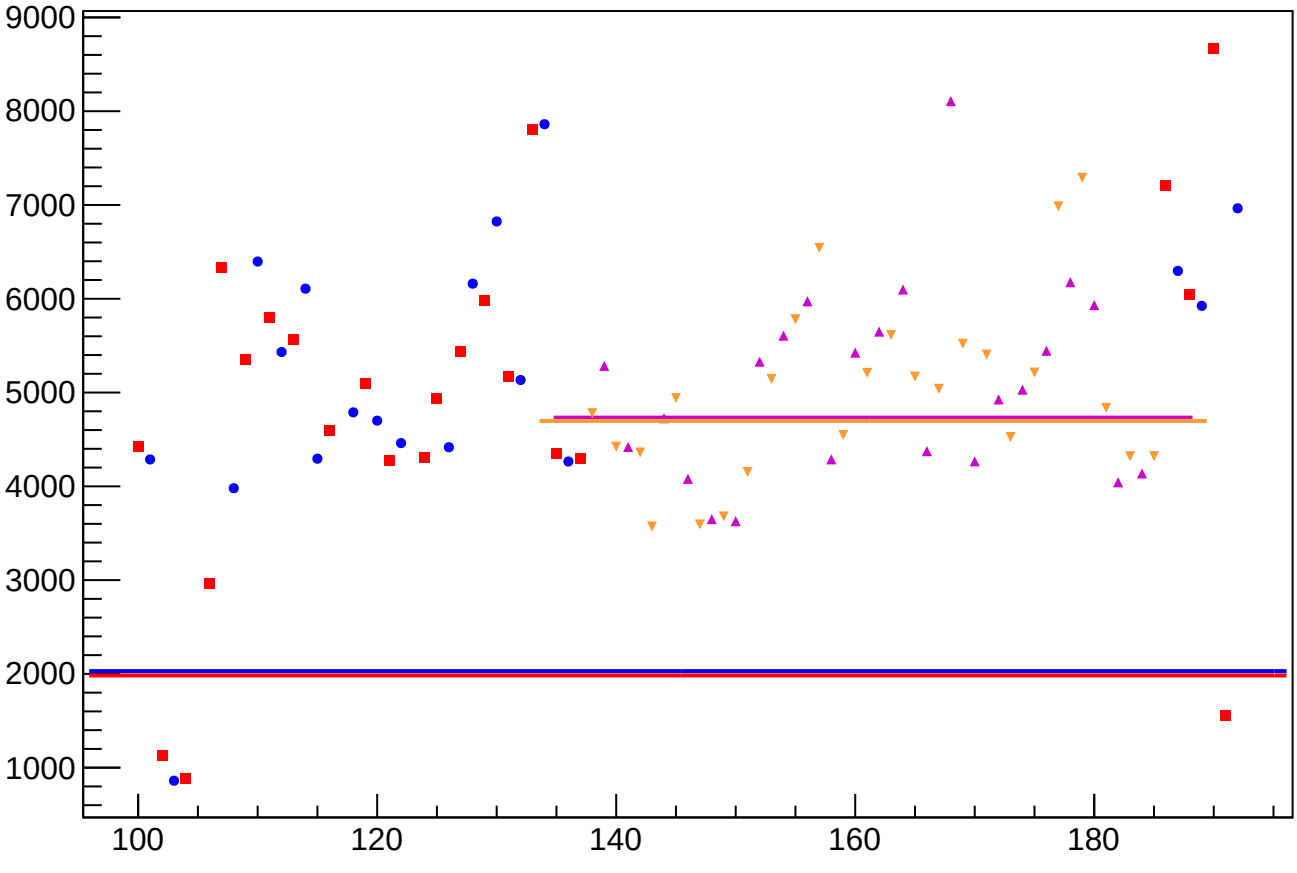
In: 1745.851+/-0.237 χ^2/NDF:364427.5/41

Out: 1761.182+/-0.235 χ^2/NDF:692064.0/47

All: 1753.601+/-0.167 χ^2/NDF: 1058604.5/89


asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -631.844+/-945.724 χ²/NDF: 15.5/18
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1641.191+/-913.594 χ²/NDF: 20.7/22
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -1153.954+/-657.074 χ²/NDF: 36.8/41
In: -436.333+/-724.831 χ²/NDF:30.3/41
Out: -836.096+/-700.700 χ²/NDF:49.6/47
All: -642.980+/-503.785 χ²/NDF: 80.0/89

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: 1983.506+/-0.646 χ^2/NDF: 8202554.3/22

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

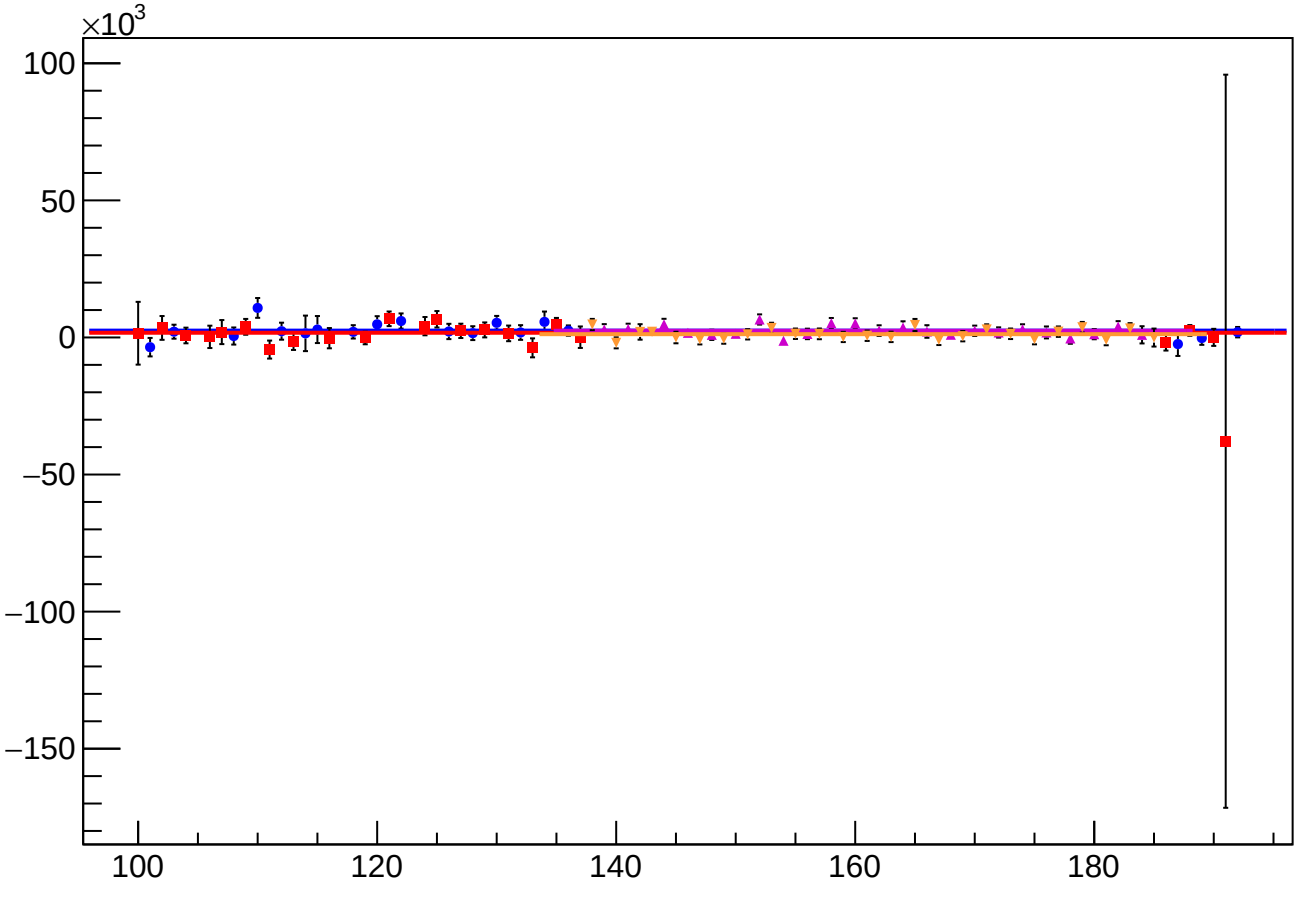
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2005.763+/-0.465 χ^2/NDF: 16705225.4/41

In: 3144.753+/-0.513 χ^2/NDF:16482800.6/41

Out: 3101.055+/-0.495 χ^2/NDF:16709998.8/47

All: 3122.165+/-0.356 χ^2/NDF: 33196556.9/8



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: 1720.710+/-646.775 χ^2/NDF: 19.3/22

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

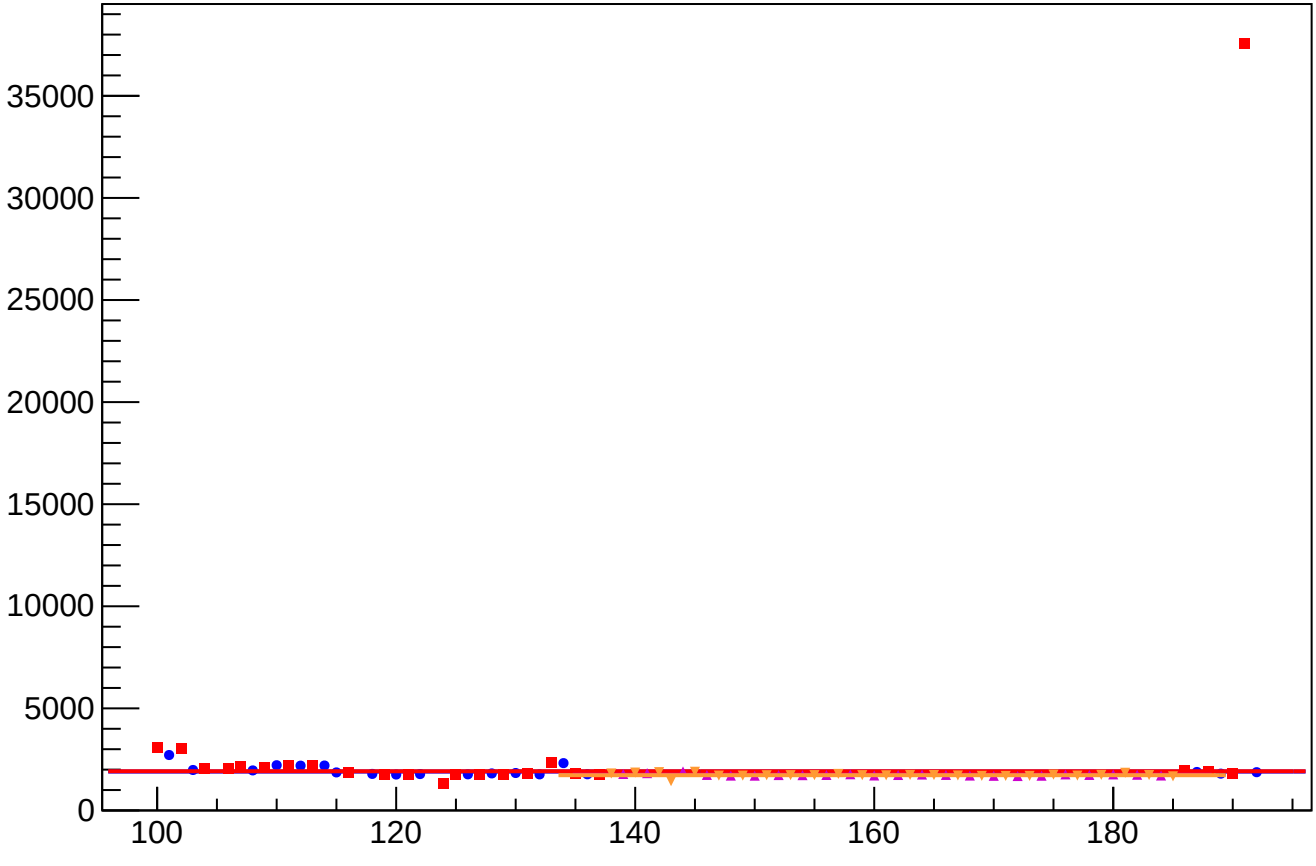
Right: 2108.381+/-455.422 χ^2/NDF: 35.9/41

In: 2452.891+/-343.982 χ^2/NDF:36.5/41

Out: 1338.475+/-335.847 χ^2/NDF:39.3/47

All: 1882.350+/-240.304 χ^2/NDF: 81.2/89

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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: 1920.780+/-0.457 χ^2/NDF: 494660.1/22

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

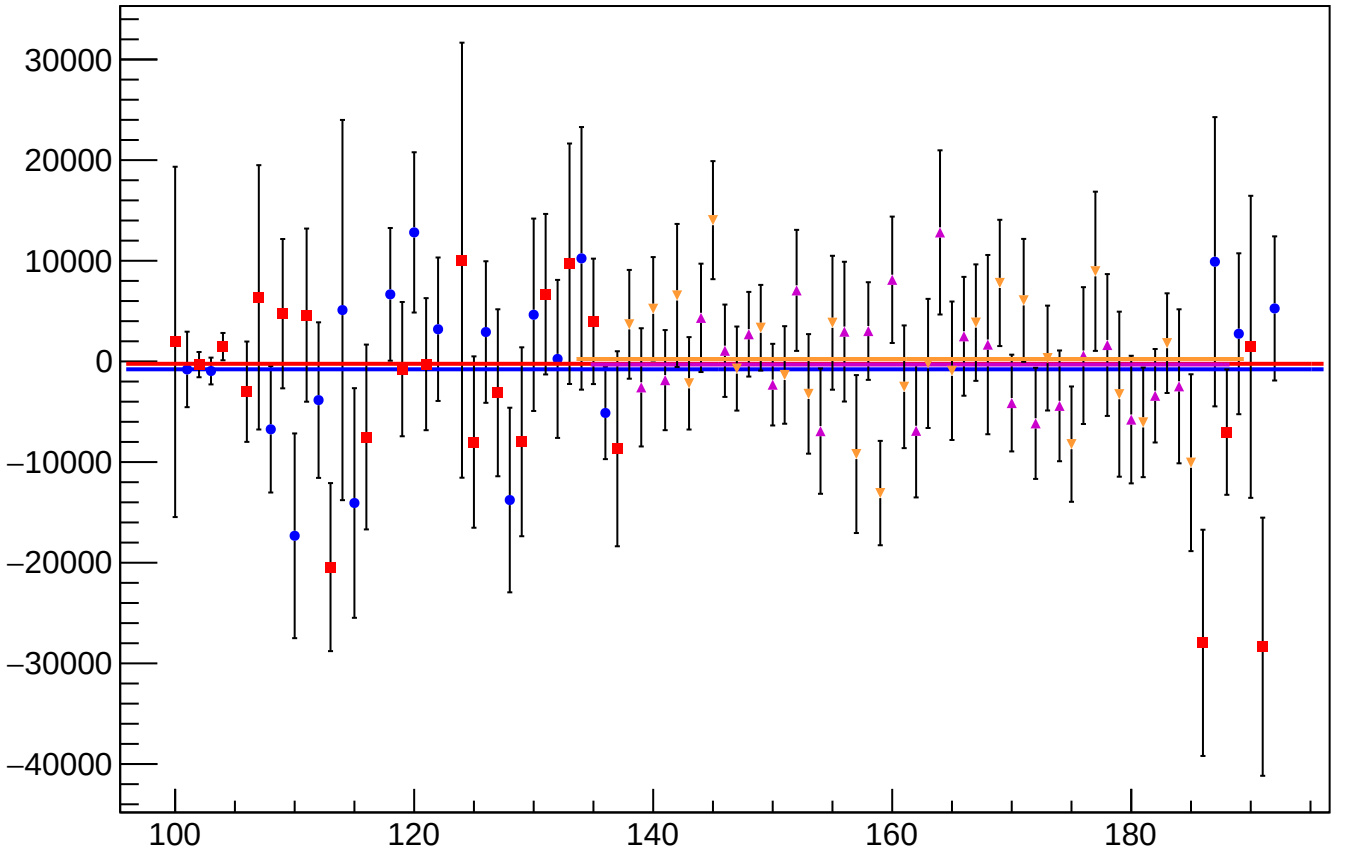
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1912.760+/-0.322 χ^2/NDF: 715505.5/41

In: 1790.719+/-0.243 χ^2/NDF:335948.8/41

Out: 1779.472+/-0.237 χ^2/NDF:735863.6/47

All: 1784.960+/-0.170 χ^2/NDF: 1072907.3/89



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: -235.968+/-823.046 χ^2/NDF: 26.0/22

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

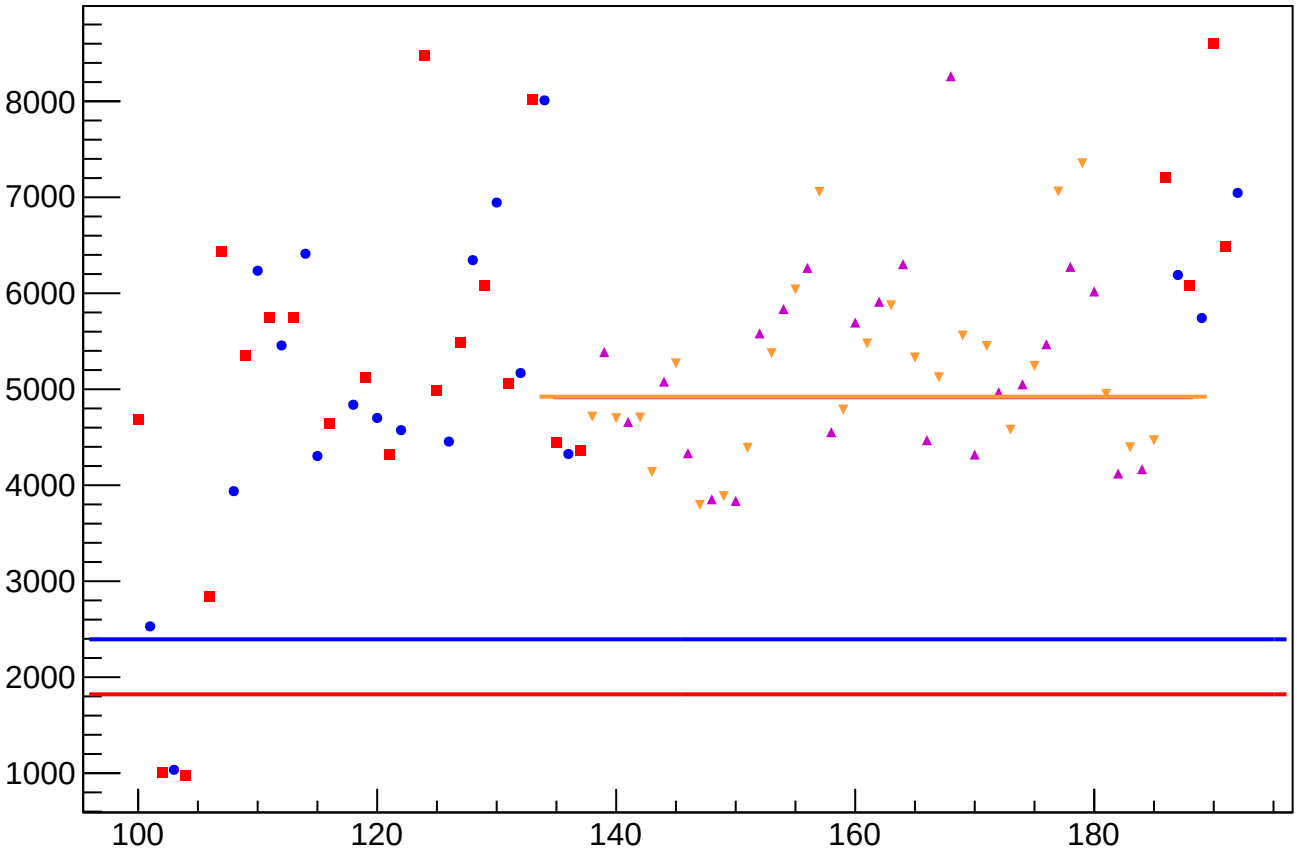
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -444.576+/-647.423 χ^2/NDF: 41.6/41

In: -570.875+/-781.164 χ^2/NDF:29.9/41

Out: -72.675+/-667.498 χ^2/NDF:52.9/47

All: -282.924+/-507.467 χ^2/NDF: 83.0/89



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: 1821.478+/-0.582 χ^2/NDF: 8983621.9/22

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

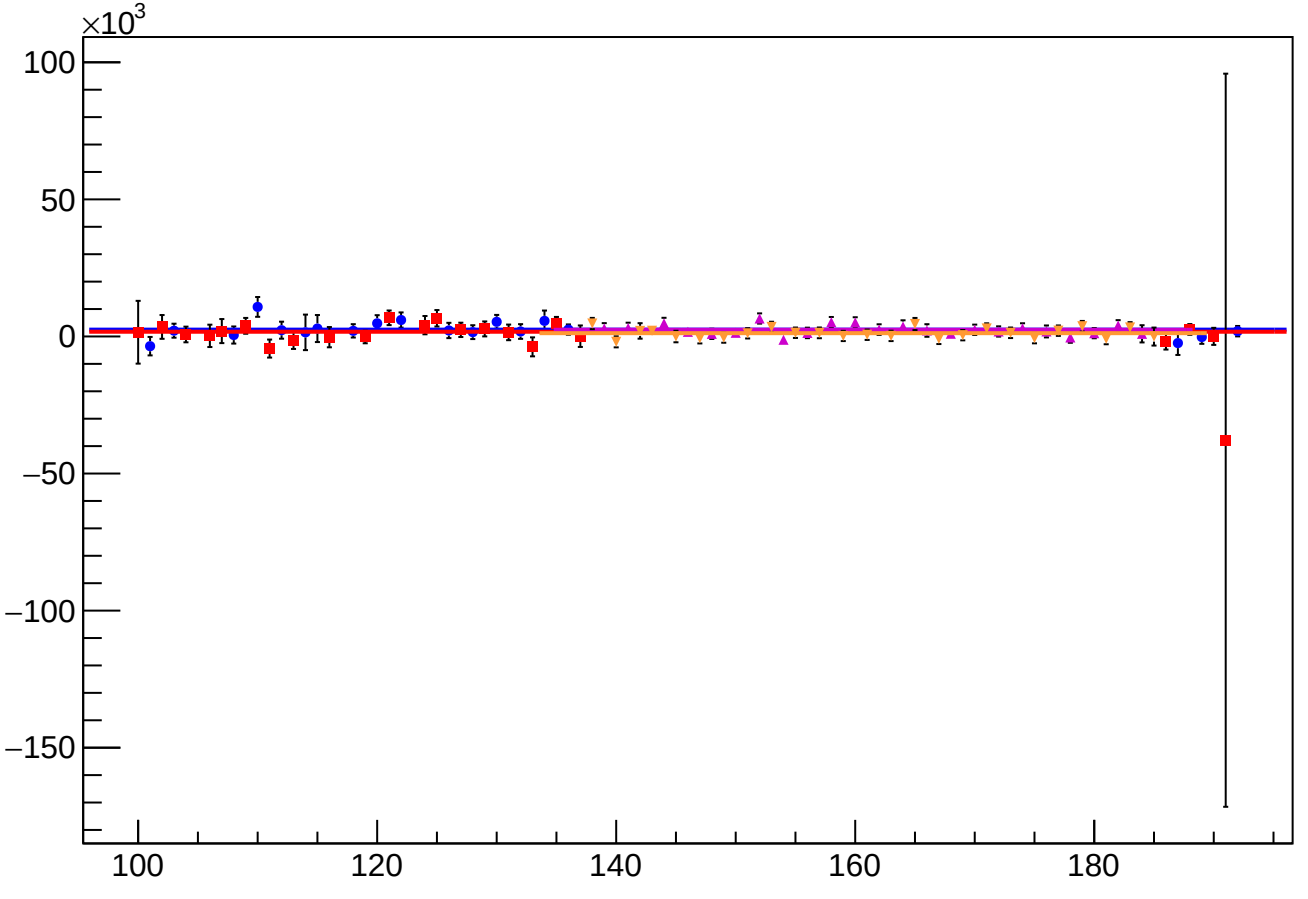
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2039.972+/-0.458 χ^2/NDF: 16246183.8/41

In: 3517.046+/-0.552 χ^2/NDF:13204538.1/41

Out: 2882.800+/-0.472 χ^2/NDF:19750700.2/47

All: 3150.463+/-0.359 χ^2/NDF: 33717274.3/8



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: 1720.714+/-646.774 χ^2/NDF: 19.3/22

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

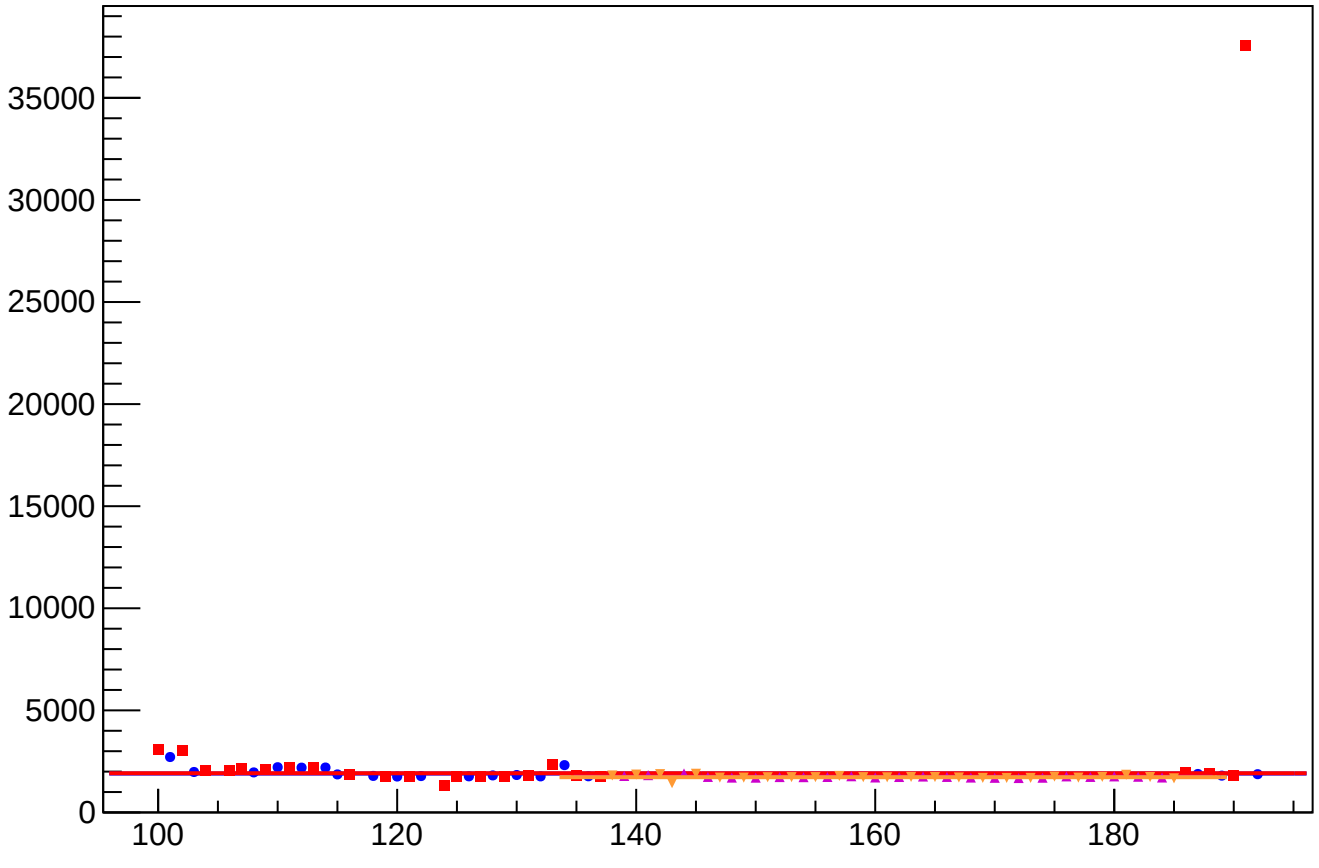
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2108.384+/-455.421 χ^2/NDF: 35.9/41

In: 2452.892+/-343.982 χ^2/NDF:36.5/41

Out: 1338.472+/-335.847 χ^2/NDF:39.3/47

All: 1882.349+/-240.304 χ^2/NDF: 81.2/89



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: 1920.780+/-0.457 χ^2/NDF: 494659.0/22

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

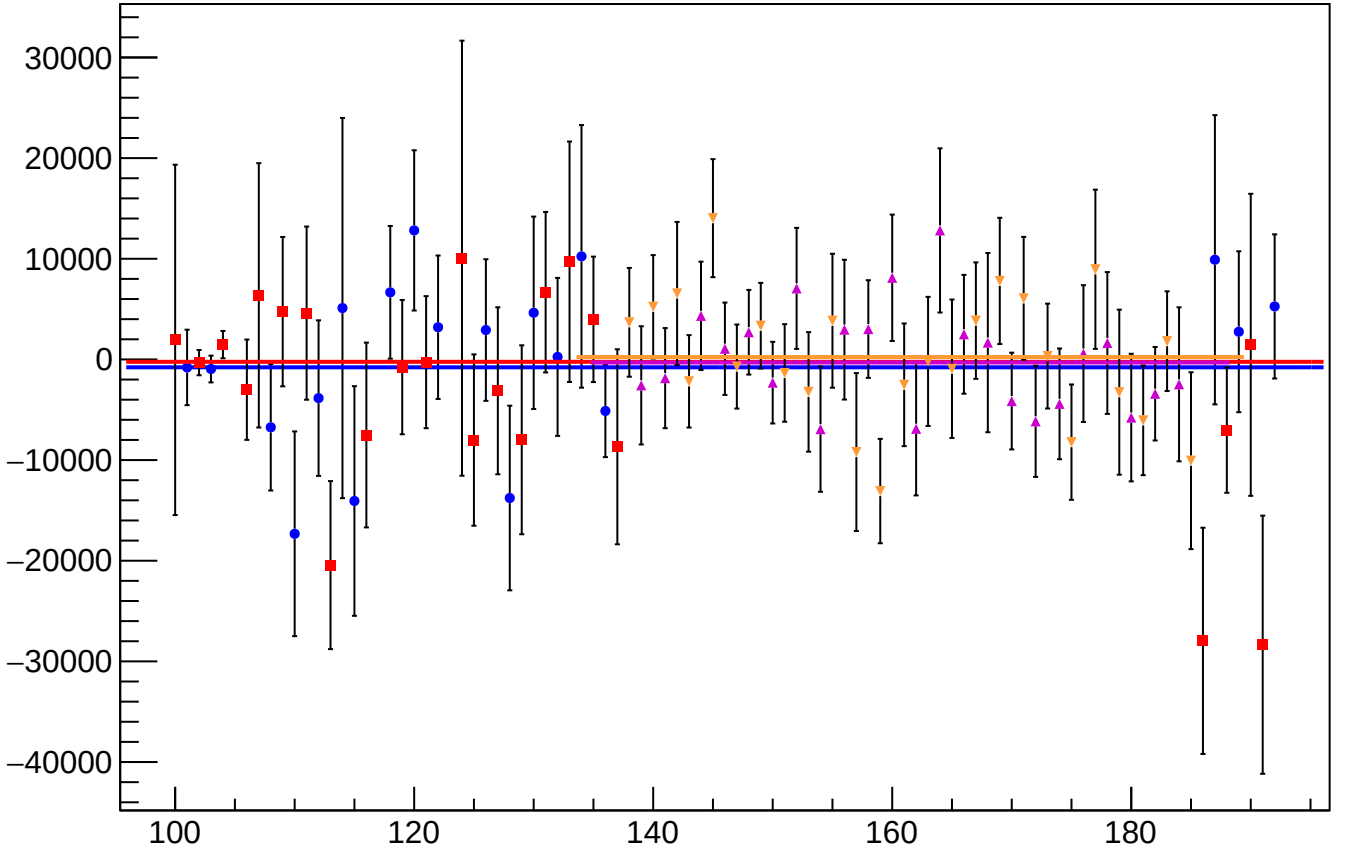
Right: 1912.759+/-0.322 χ^2/NDF: 715504.7/41

In: 1790.720+/-0.243 χ^2/NDF:335947.3/41

Out: 1779.473+/-0.237 χ^2/NDF:735860.0/47

All: 1784.960+/-0.170 χ^2/NDF: 1072902.1/89

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: -235.973+/-823.045 χ^2/NDF: 26.0/22

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

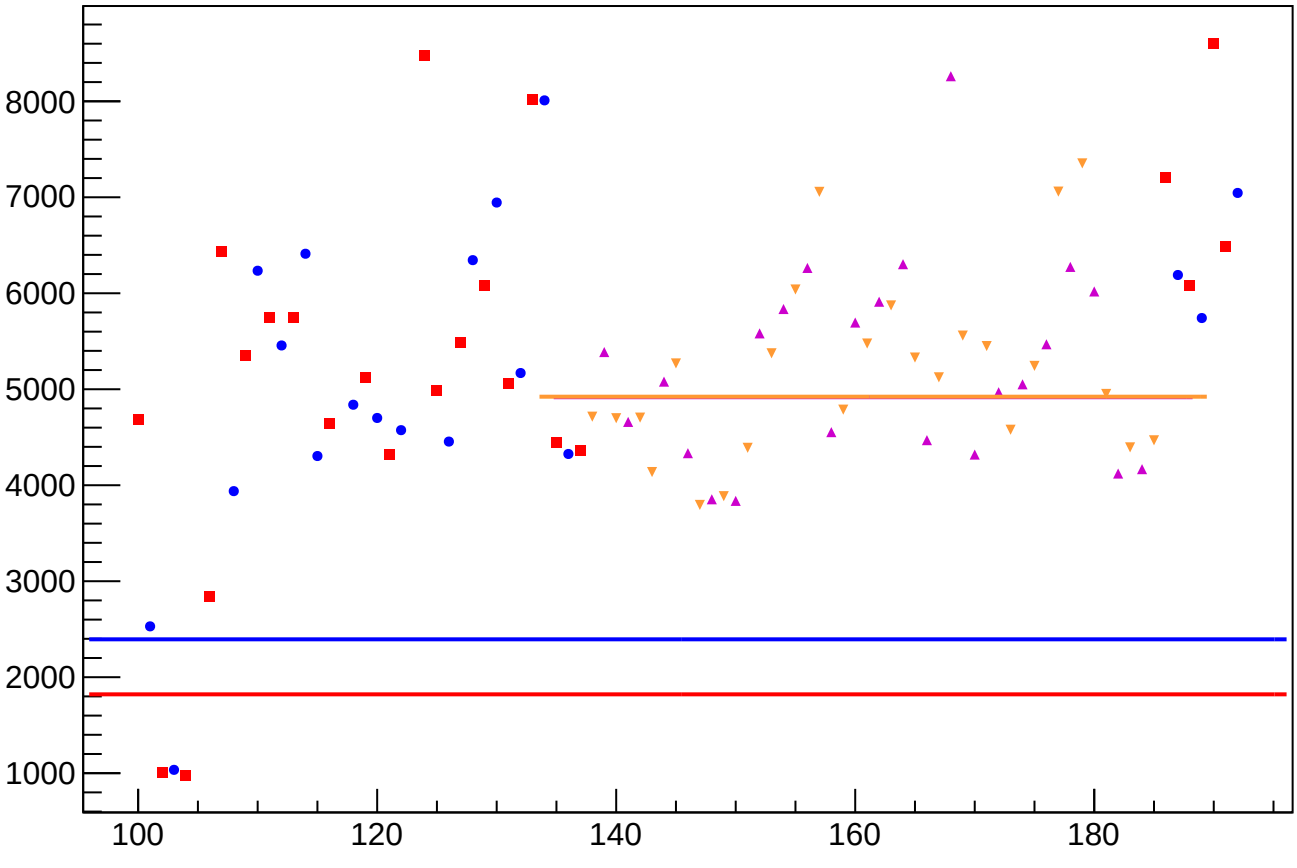
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -444.578+/-647.423 χ^2/NDF: 41.6/41

In: -570.876+/-781.164 χ^2/NDF:29.9/41

Out: -72.679+/-667.499 χ^2/NDF:52.9/47

All: -282.927+/-507.467 χ^2/NDF: 83.0/89



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: 1821.478+/-0.582 χ^2/NDF: 8983614.3/22

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

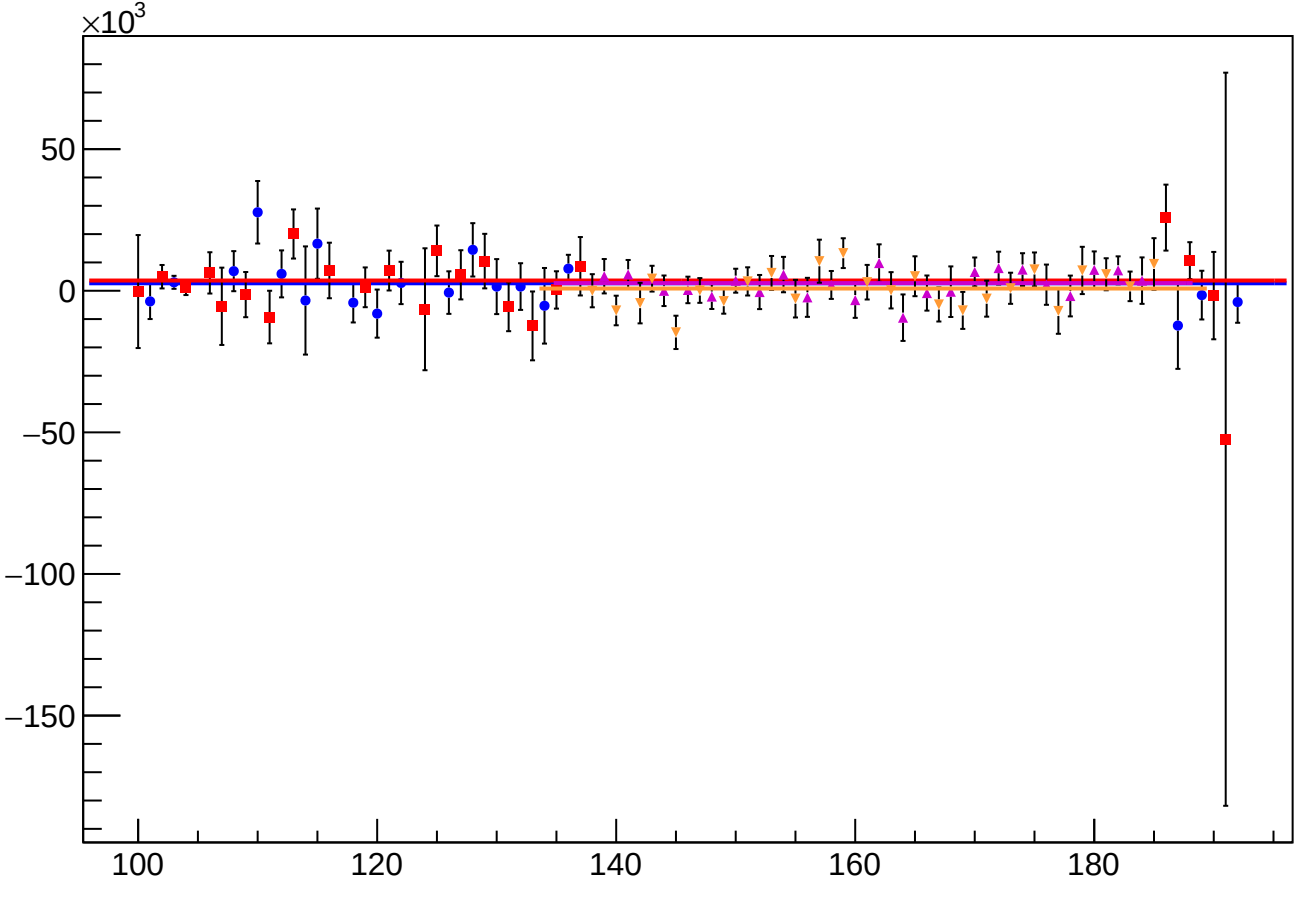
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2039.971+/-0.458 χ^2/NDF: 16246170.3/41

In: 3517.046+/-0.552 χ^2/NDF:13204565.5/41

Out: 2882.800+/-0.472 χ^2/NDF:19750729.9/47

All: 3150.463+/-0.359 χ^2/NDF: 33717332.5/8



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: 3614.290+/-1490.238 χ^2/NDF: 18.7/22

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

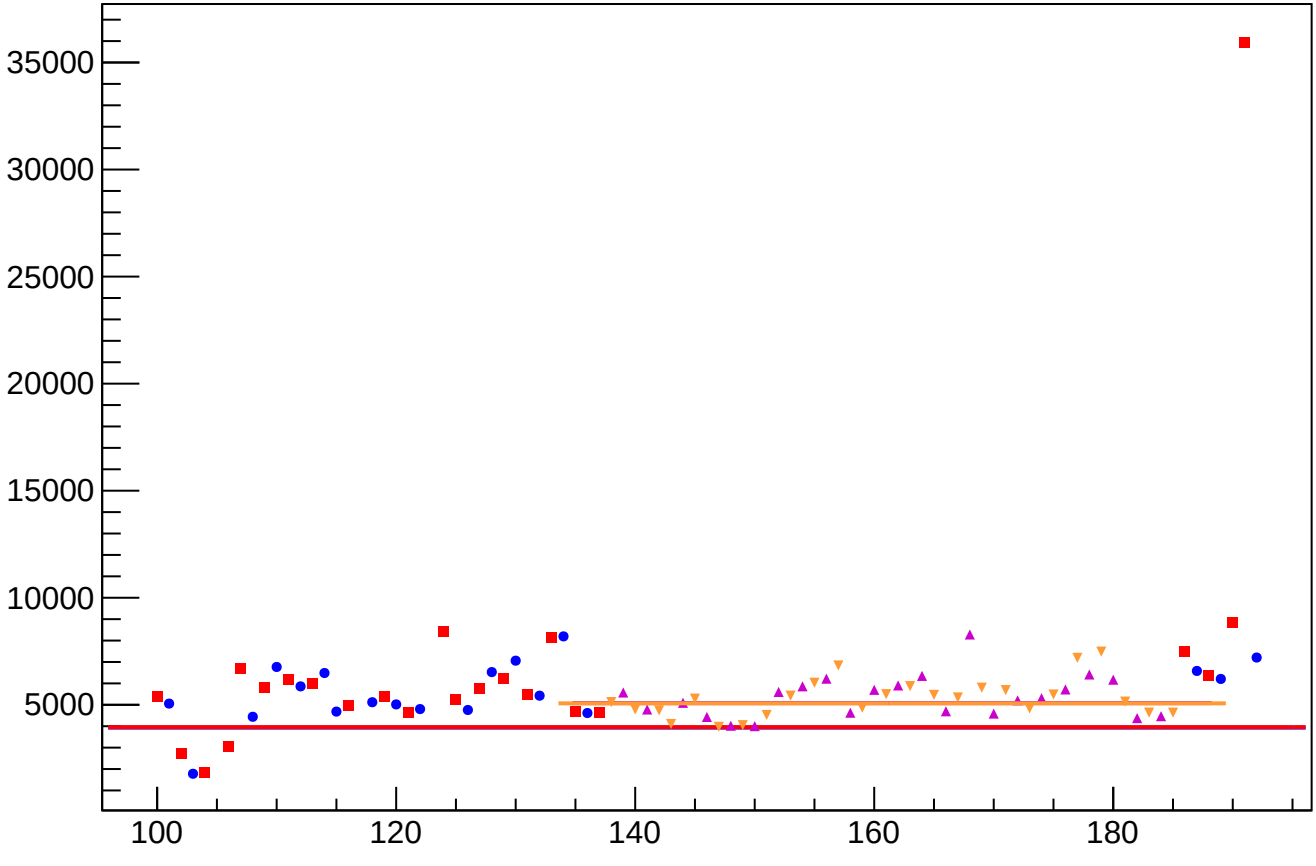
Right: 3121.471+/-1048.968 χ^2/NDF: 34.9/41

In: 2678.310+/-934.229 χ^2/NDF:27.9/41

Out: 1867.993+/-921.218 χ^2/NDF:48.5/47

All: 2267.470+/-655.951 χ^2/NDF: 76.8/89

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: 3954.684+/-1.044 χ^2/NDF: 3524030.1/22

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

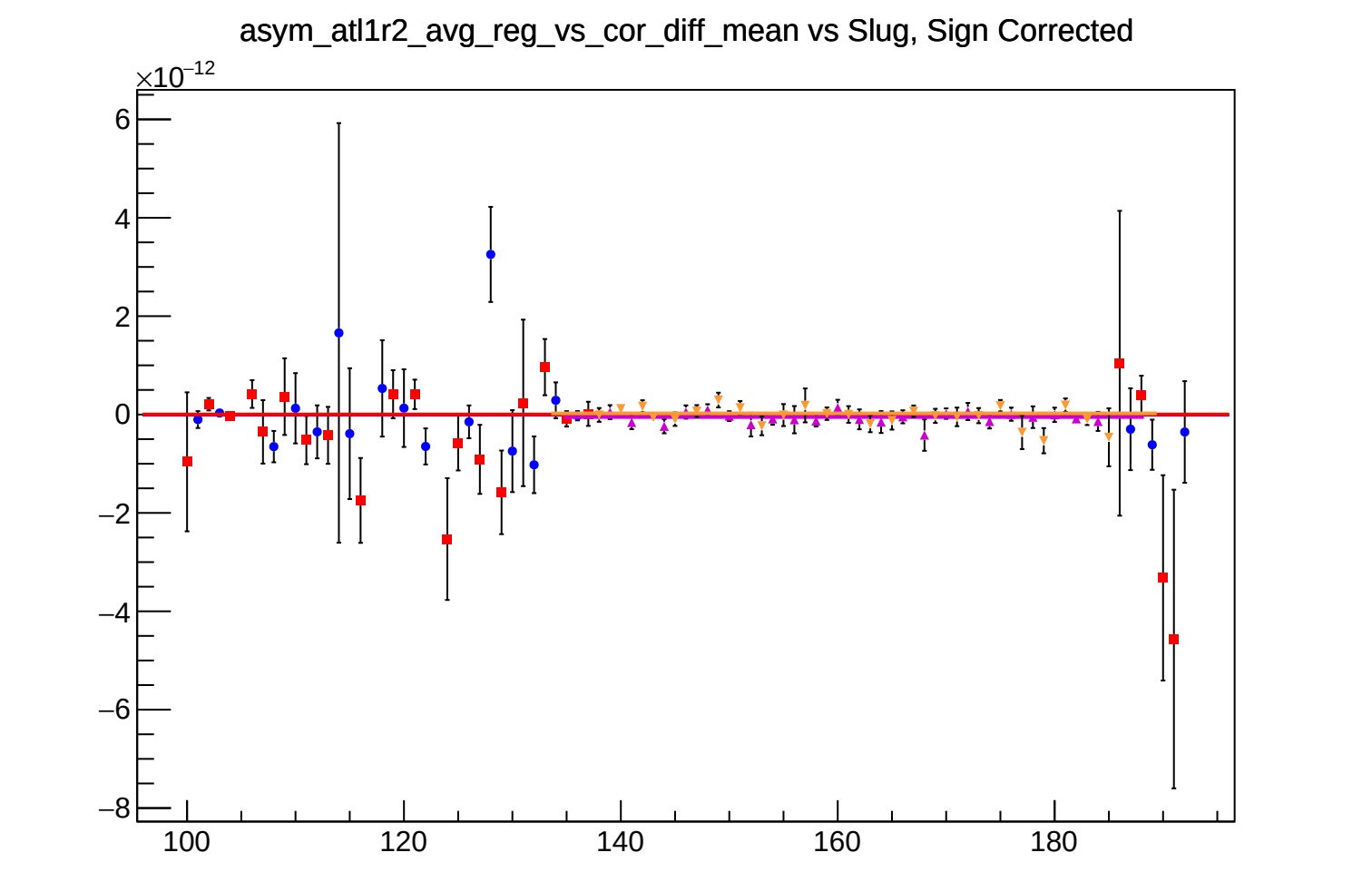
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

Right: 3945.859+/-0.738 χ^2/NDF: 7058845.0/41

In: 4622.417+/-0.661 χ^2/NDF:5254134.1/41

Out: 4637.626+/-0.649 χ^2/NDF:5175749.8/47

All: 4630.155+/-0.463 χ^2/NDF: 10430153.6/8



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: 34.2/22

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

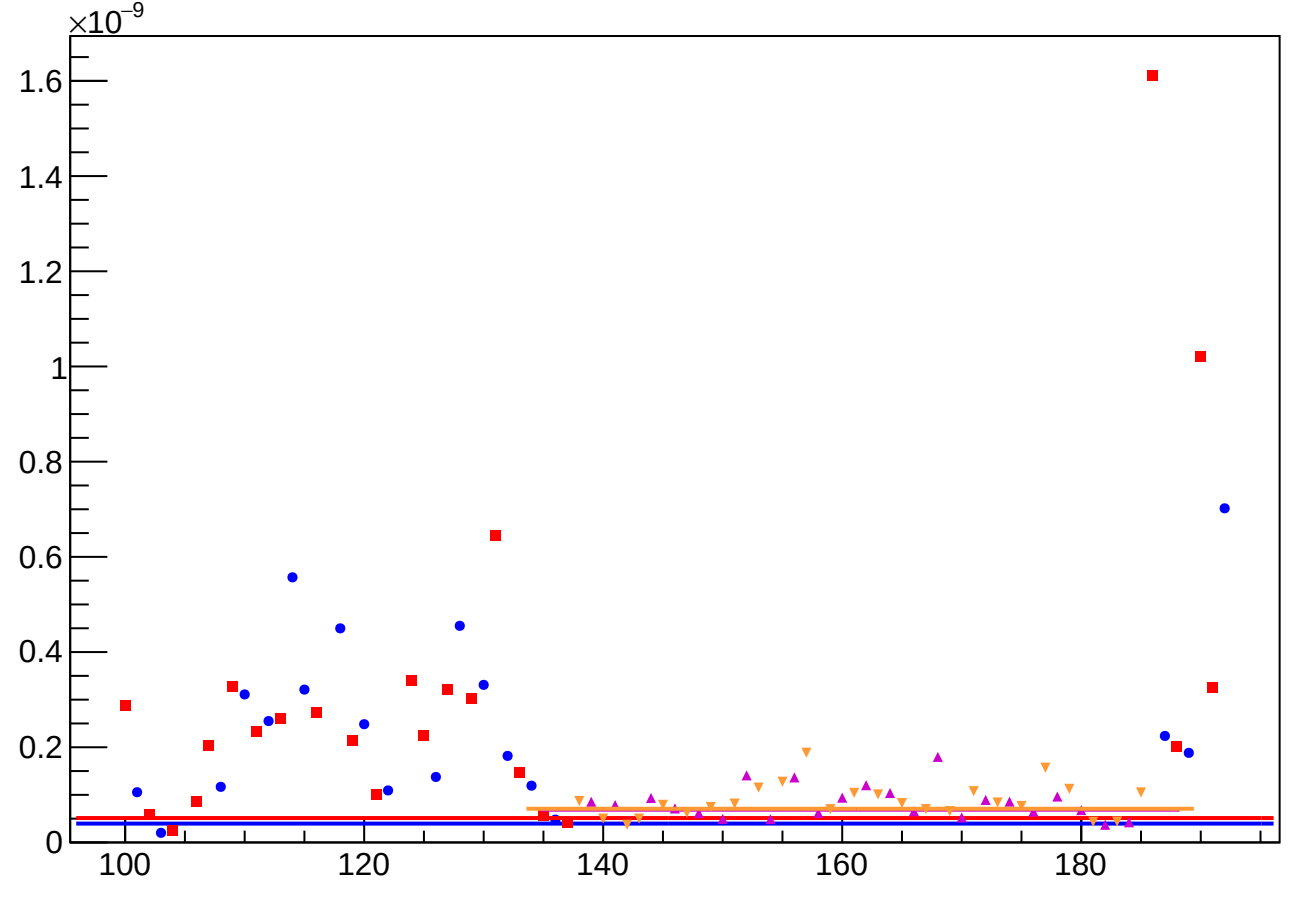
Left: -0.000+/-0.000 χ^2/NDF: 37.9/47

Right: -0.000+/-0.000 χ^2/NDF: 61.2/41

In: -0.000+/-0.000 χ^2/NDF:39.1/41

Out: 0.000+/-0.000 χ^2/NDF:58.0/47

All: -0.000+/-0.000 χ^2/NDF: 99.3/89



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: 4154077.3/22

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

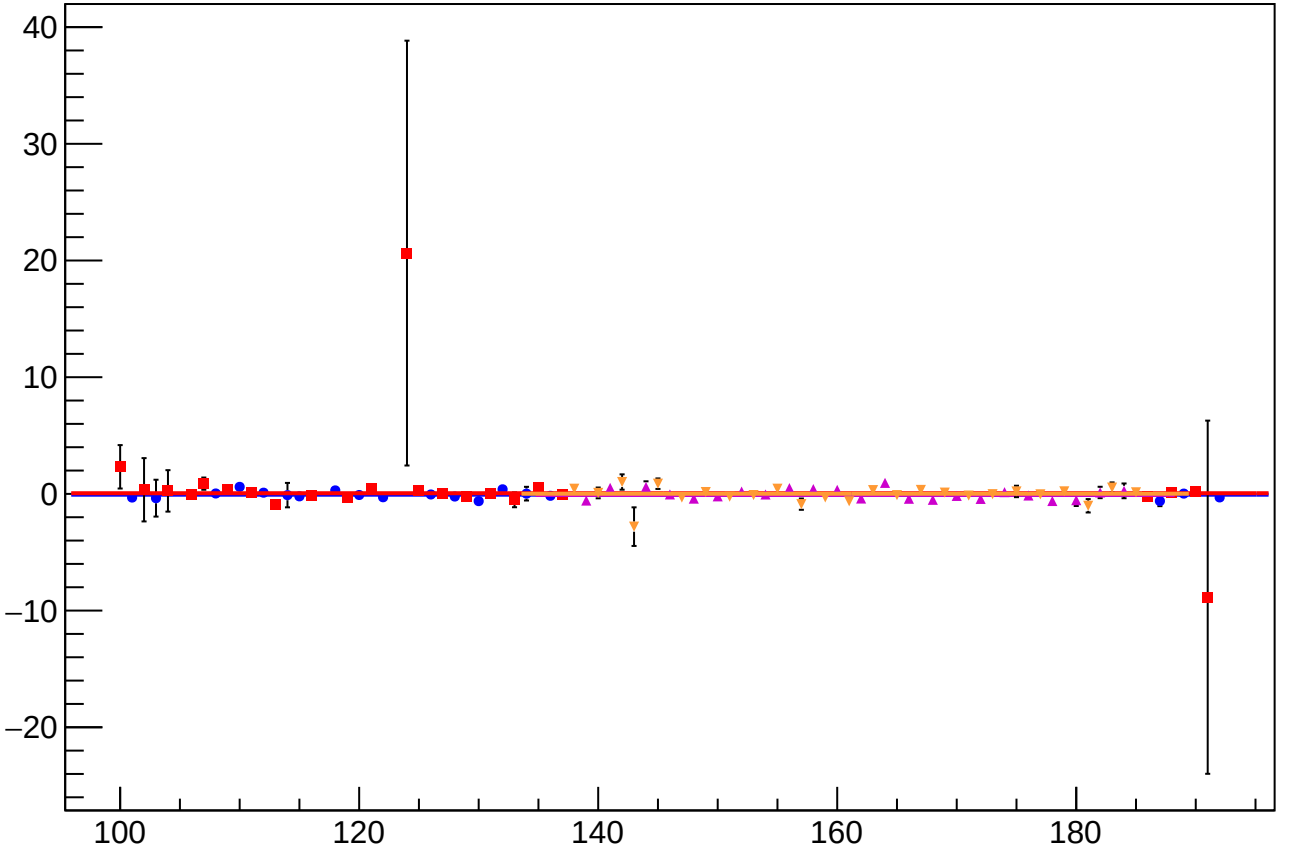
Right: 0.000+/-0.000 χ^2/NDF: 8472769.7/41

In: 0.000+/-0.000 χ^2/NDF:6455003.8/41

Out: 0.000+/-0.000 χ^2/NDF:5914260.9/47

All: 0.000+/-0.000 χ^2/NDF: 12479539.5/89

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: 0.058+/-0.060 χ^2/NDF: 25.6/22

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

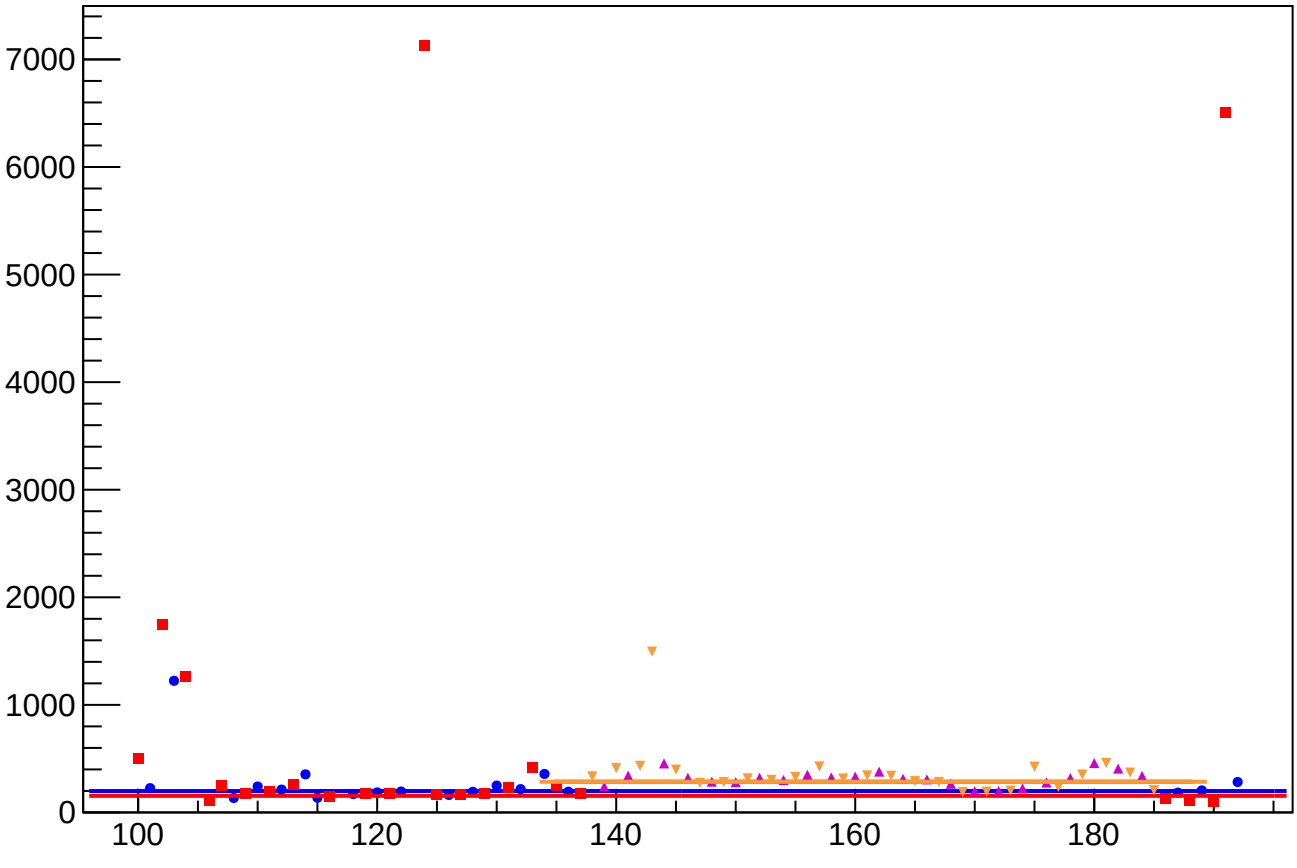
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.006+/-0.046 χ^2/NDF: 41.5/41

In: -0.080+/-0.050 χ^2/NDF:45.1/41

Out: 0.039+/-0.045 χ^2/NDF:54.1/47

All: -0.014+/-0.034 χ^2/NDF: 102.2/89



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: 154.467+/-0.042 χ^2/NDF: 3620116.7/22

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

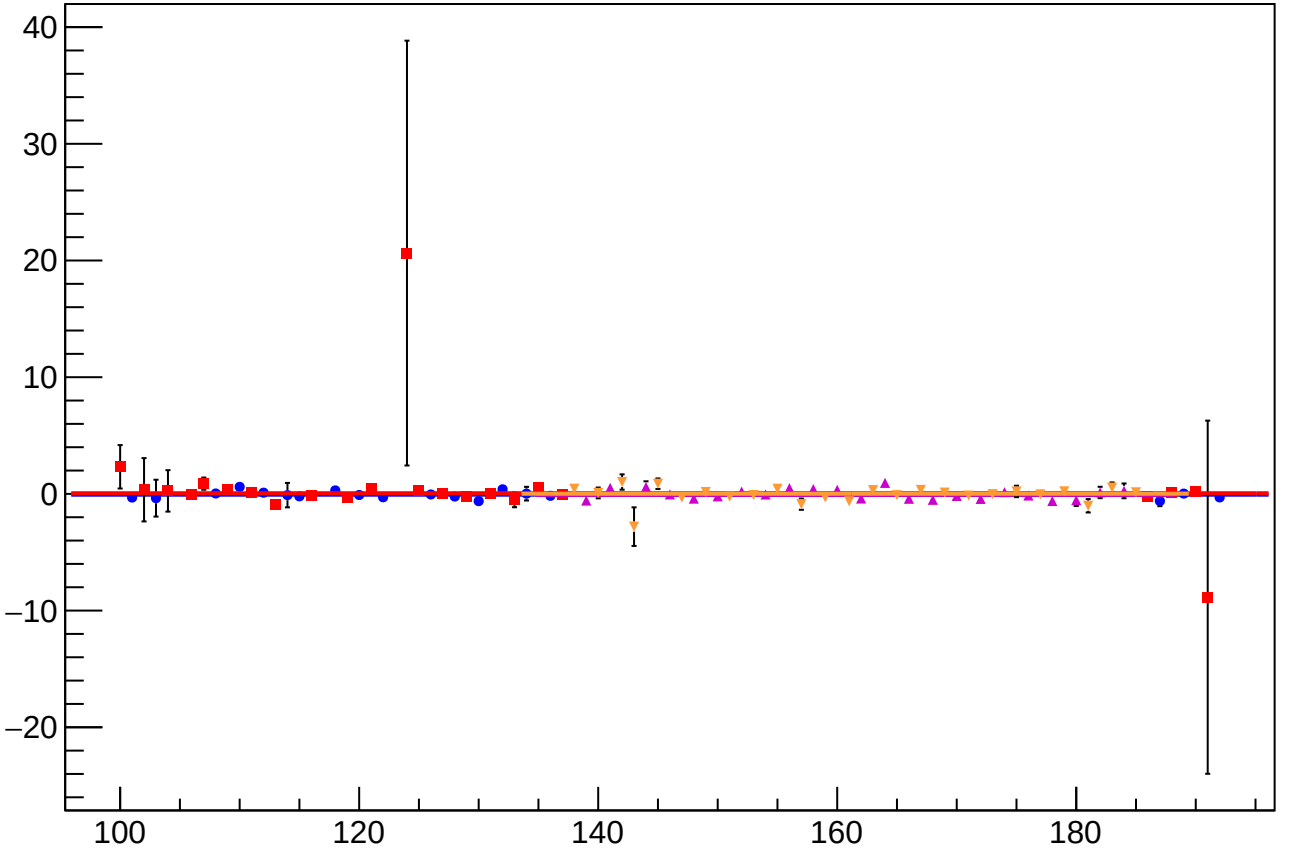
Right: 172.557+/-0.032 χ^2/NDF: 5660016.0/41

In: 243.447+/-0.036 χ^2/NDF:4815821.2/41

Out: 209.460+/-0.032 χ^2/NDF:11075600.5/47

All: 224.665+/-0.024 χ^2/NDF: 16394823.5/89

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: 0.058+/-0.060 χ^2/NDF: 25.6/22

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

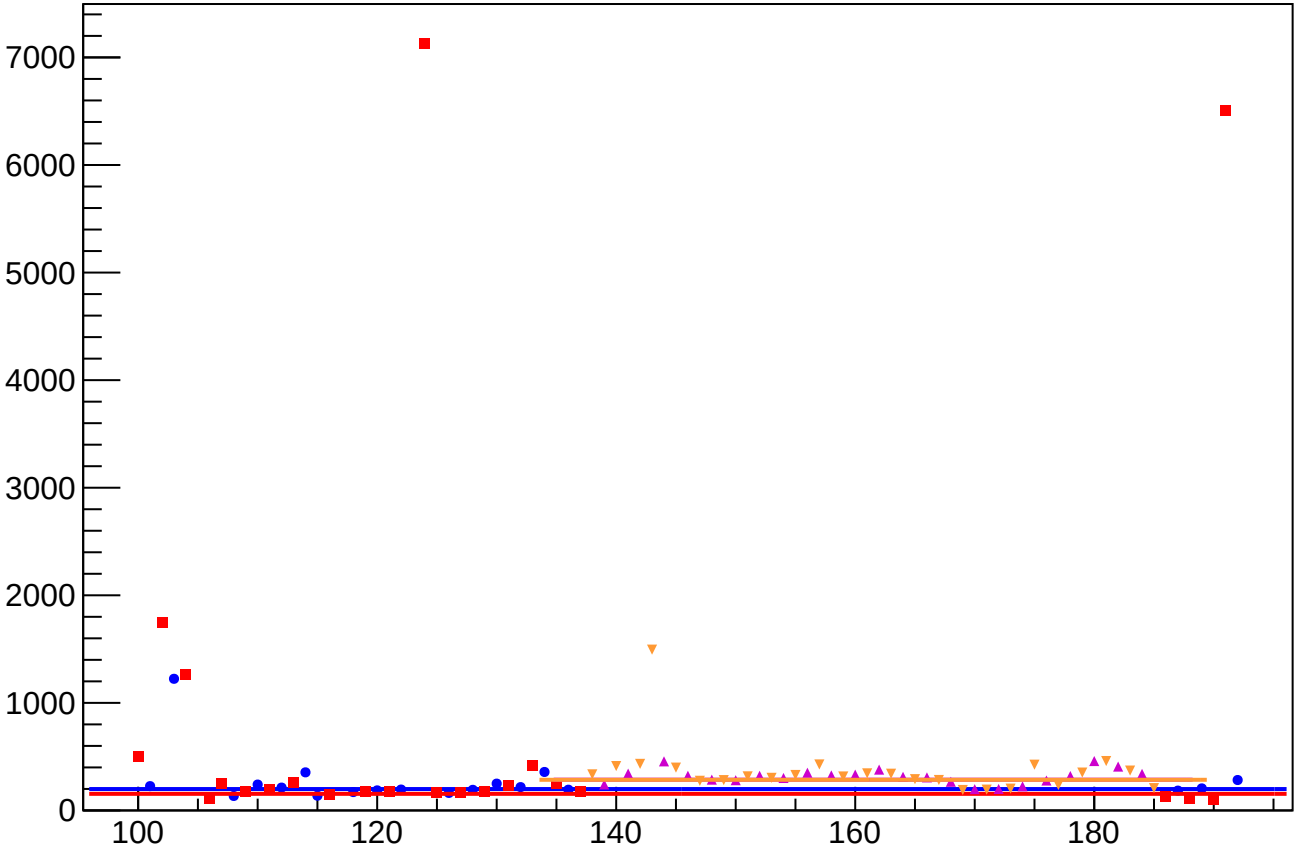
Right: 0.006+/-0.046 χ^2/NDF: 41.5/41

In: -0.080+/-0.050 χ^2/NDF:45.1/41

Out: 0.039+/-0.045 χ^2/NDF:54.1/47

All: -0.014+/-0.034 χ^2/NDF: 102.2/89

asym_atl1r2_avg_dit_vs_eigen_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: 154.467+/-0.042 χ^2/NDF: 3620116.7/22

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

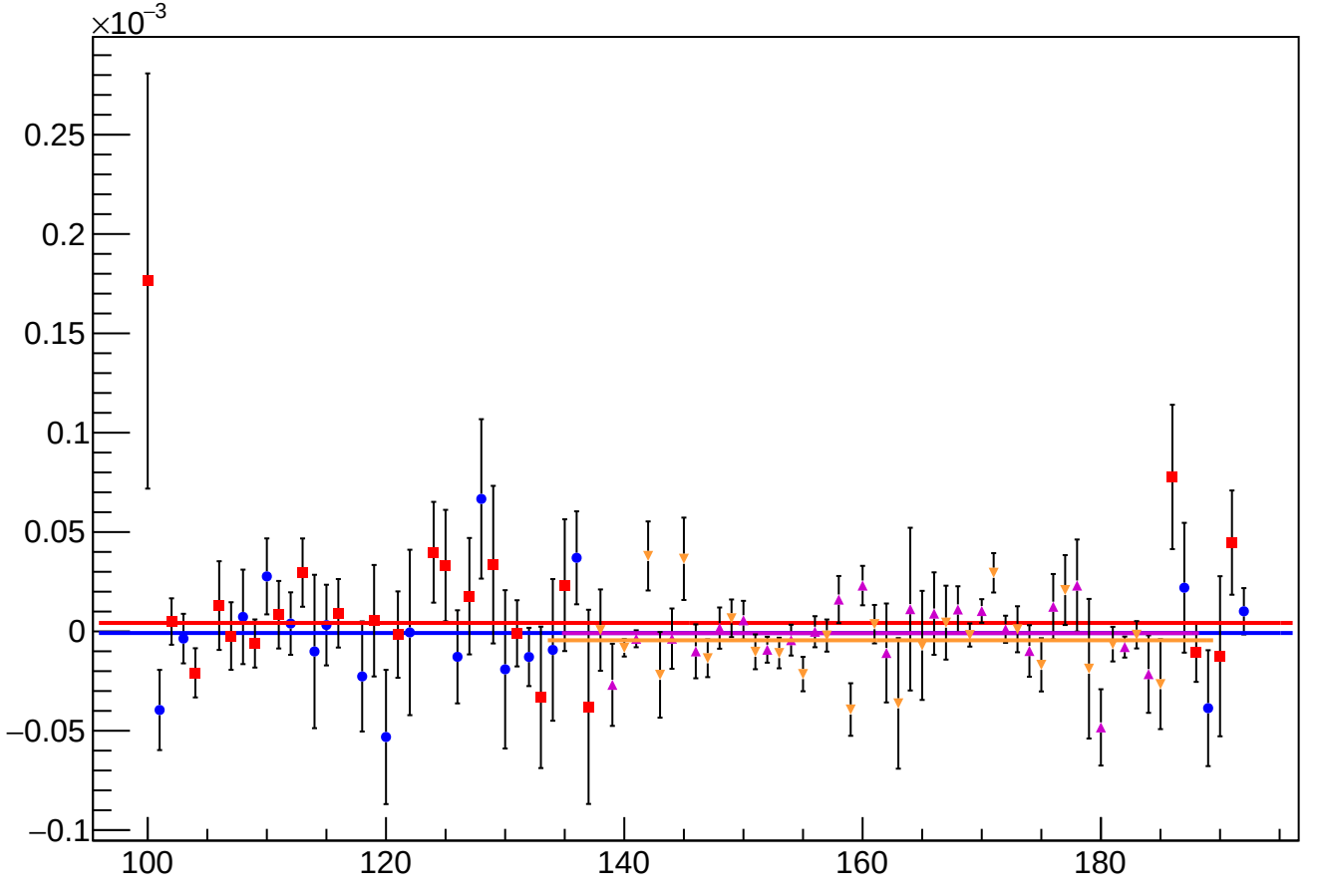
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 172.557+/-0.032 χ^2/NDF: 5660016.0/41

In: 243.447+/-0.036 χ^2/NDF:4815821.2/41

Out: 209.460+/-0.032 χ^2/NDF:11075600.5/47

All: 224.665+/-0.024 χ^2/NDF: 16394823.5/89



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: 24.0/22

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

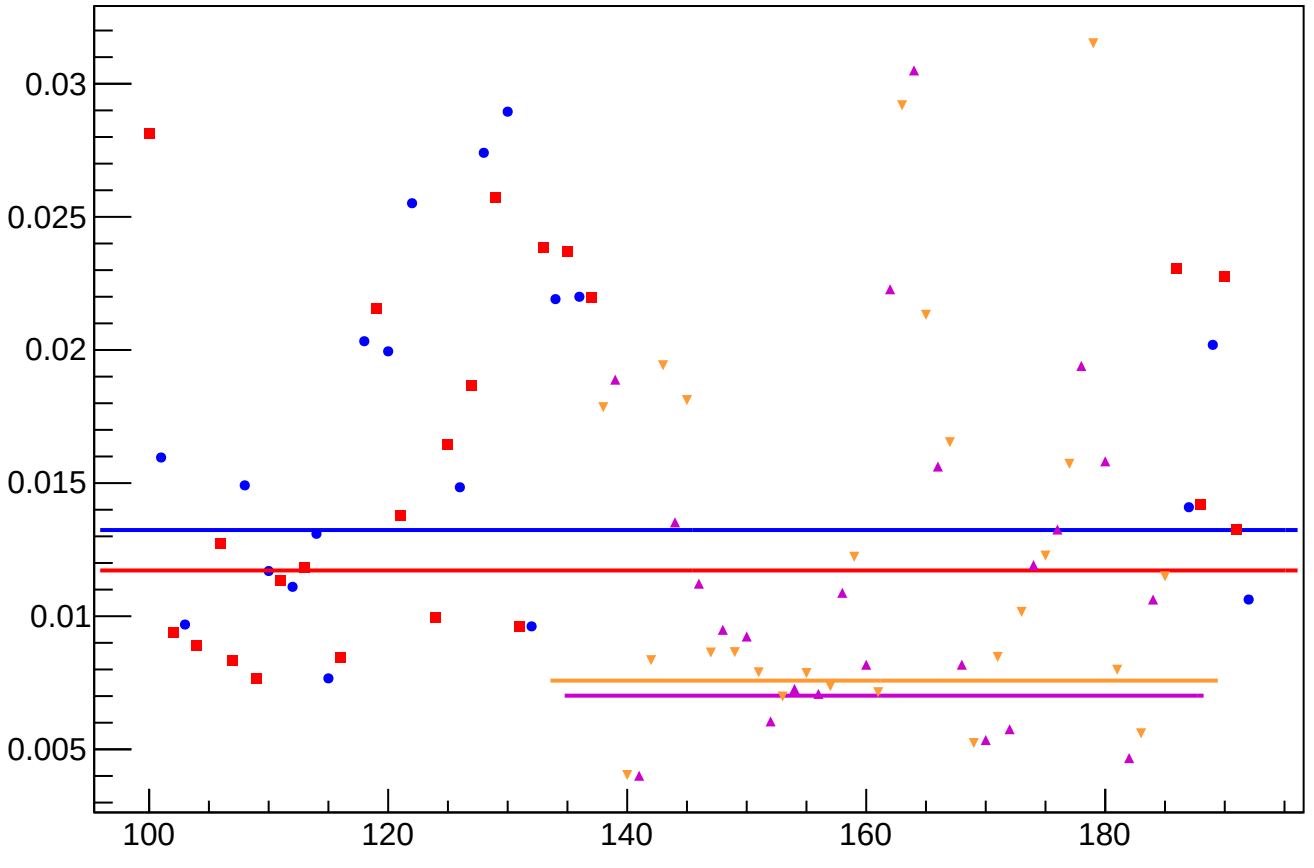
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 43.6/41

In: -0.000+/-0.000 χ^2/NDF:48.0/41

Out: -0.000+/-0.000 χ^2/NDF:71.5/47

All: -0.000+/-0.000 χ^2/NDF: 120.1/89



Right In: 0.013+/-0.000 χ^2/NDF: 2099216.6/18

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2329923.2/22

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

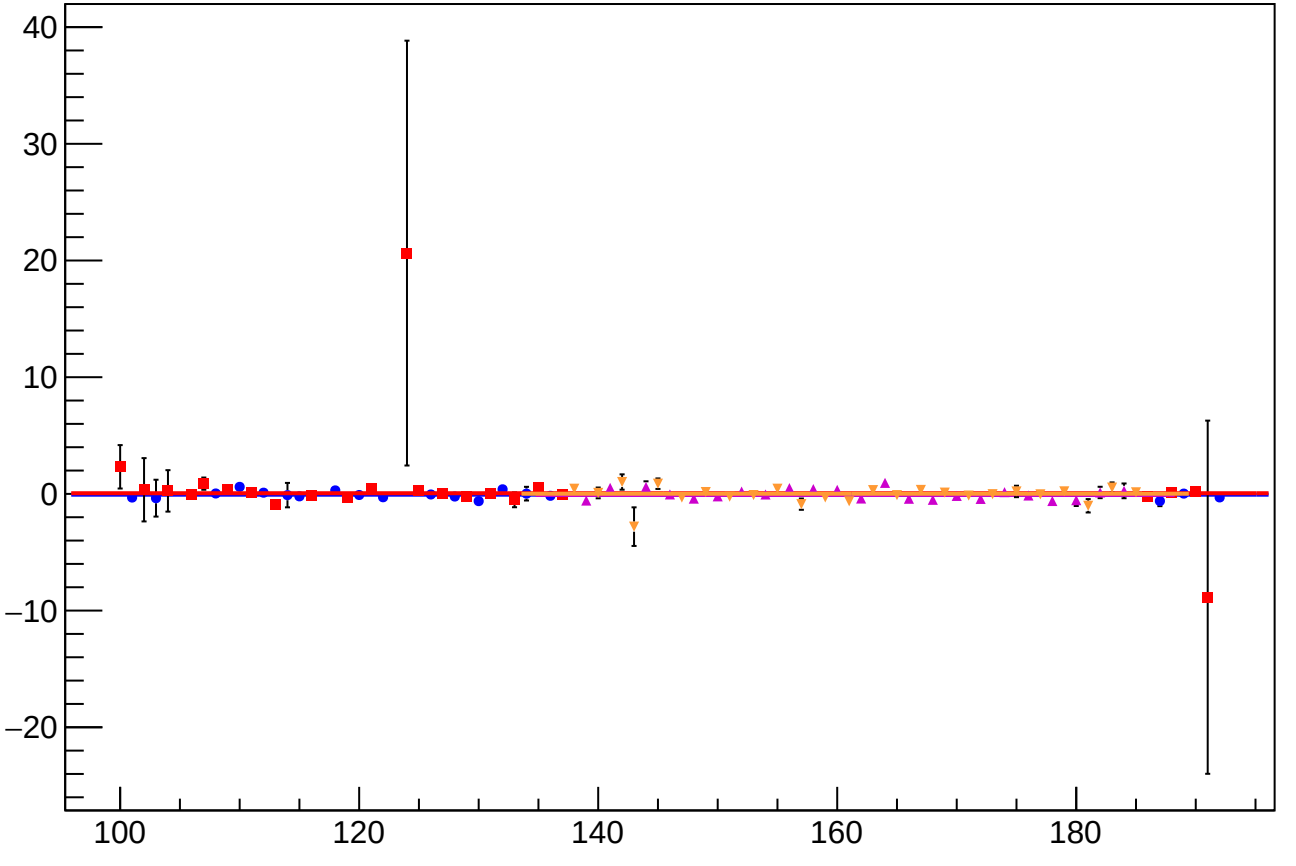
Right: 0.012+/-0.000 χ^2/NDF: 4542856.1/41

In: 0.008+/-0.000 χ^2/NDF:11723600.9/41

Out: 0.008+/-0.000 χ^2/NDF:11292976.2/47

All: 0.008+/-0.000 χ^2/NDF: 23089176.7/89

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: 0.058+/-0.060 χ^2/NDF: 25.6/22

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

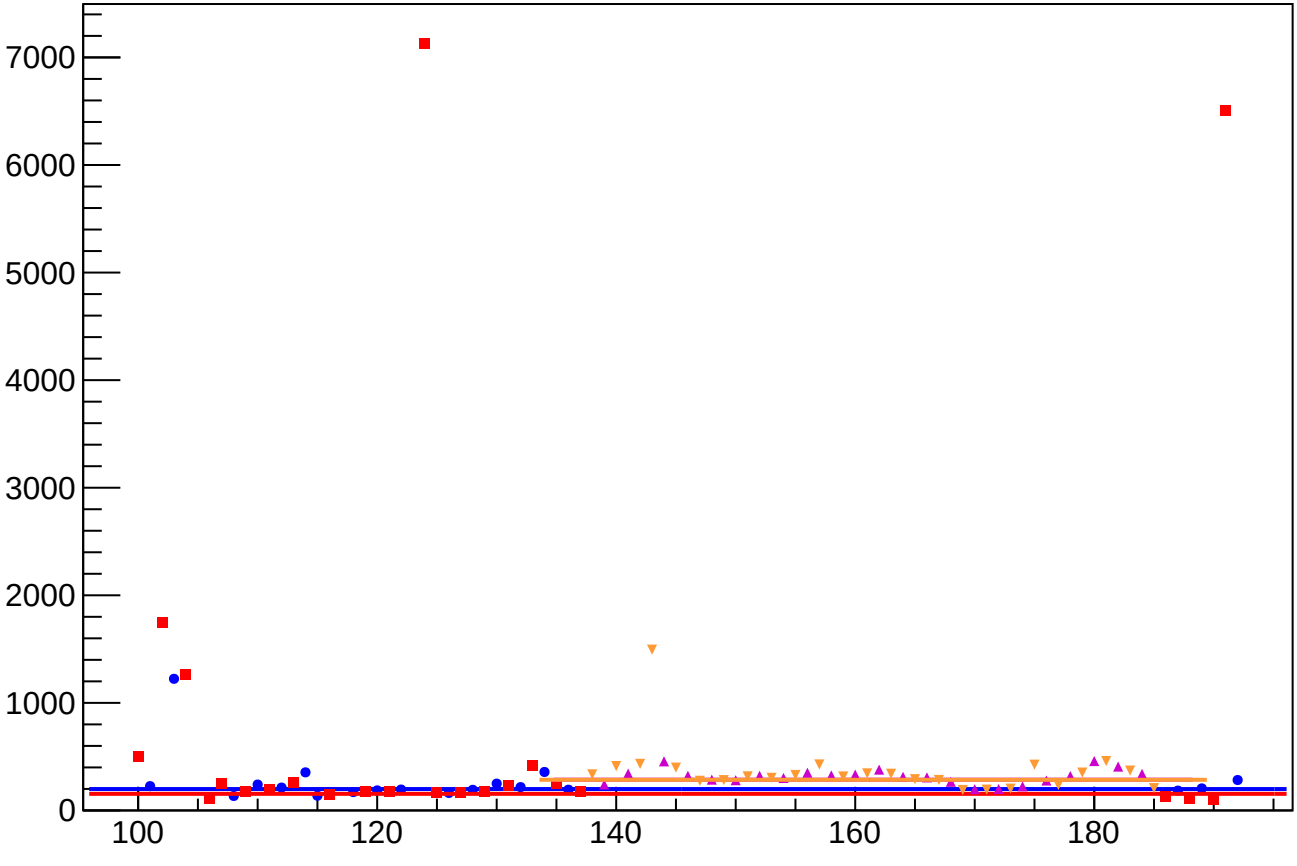
Right: 0.006+/-0.046 χ^2/NDF: 41.5/41

In: -0.080+/-0.050 χ^2/NDF:45.1/41

Out: 0.039+/-0.045 χ^2/NDF:54.0/47

All: -0.014+/-0.034 χ^2/NDF: 102.2/89

asym_atl1r2_avg_eigen_dit_vs_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: 154.464+/-0.042 χ^2/NDF: 3620188.5/22

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

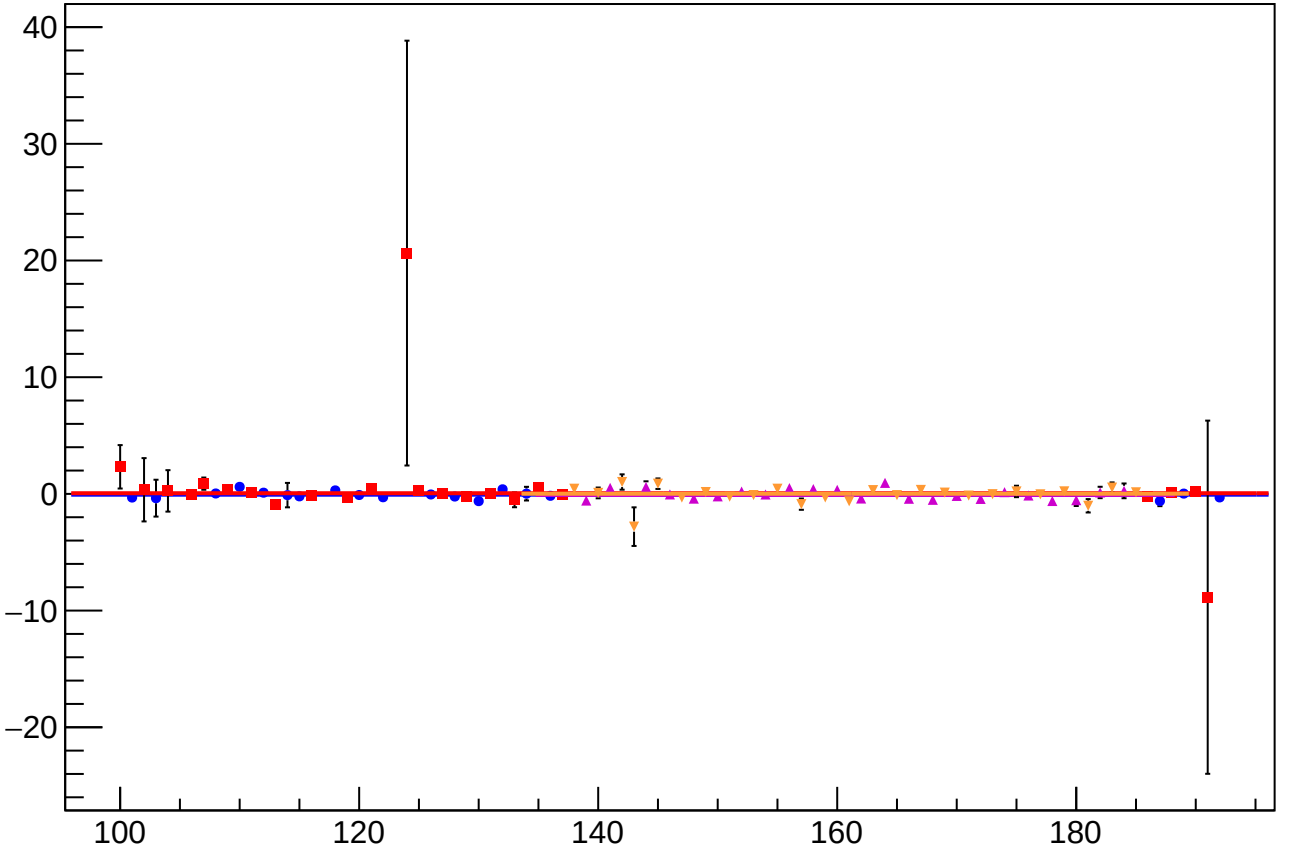
Right: 172.554+/-0.032 χ^2/NDF: 5660123.2/41

In: 243.447+/-0.036 χ^2/NDF:4815985.3/41

Out: 209.458+/-0.032 χ^2/NDF:11076053.6/47

All: 224.664+/-0.024 χ^2/NDF: 16395500.2/89

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: 0.058+/-0.060 χ^2/NDF: 25.6/22

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

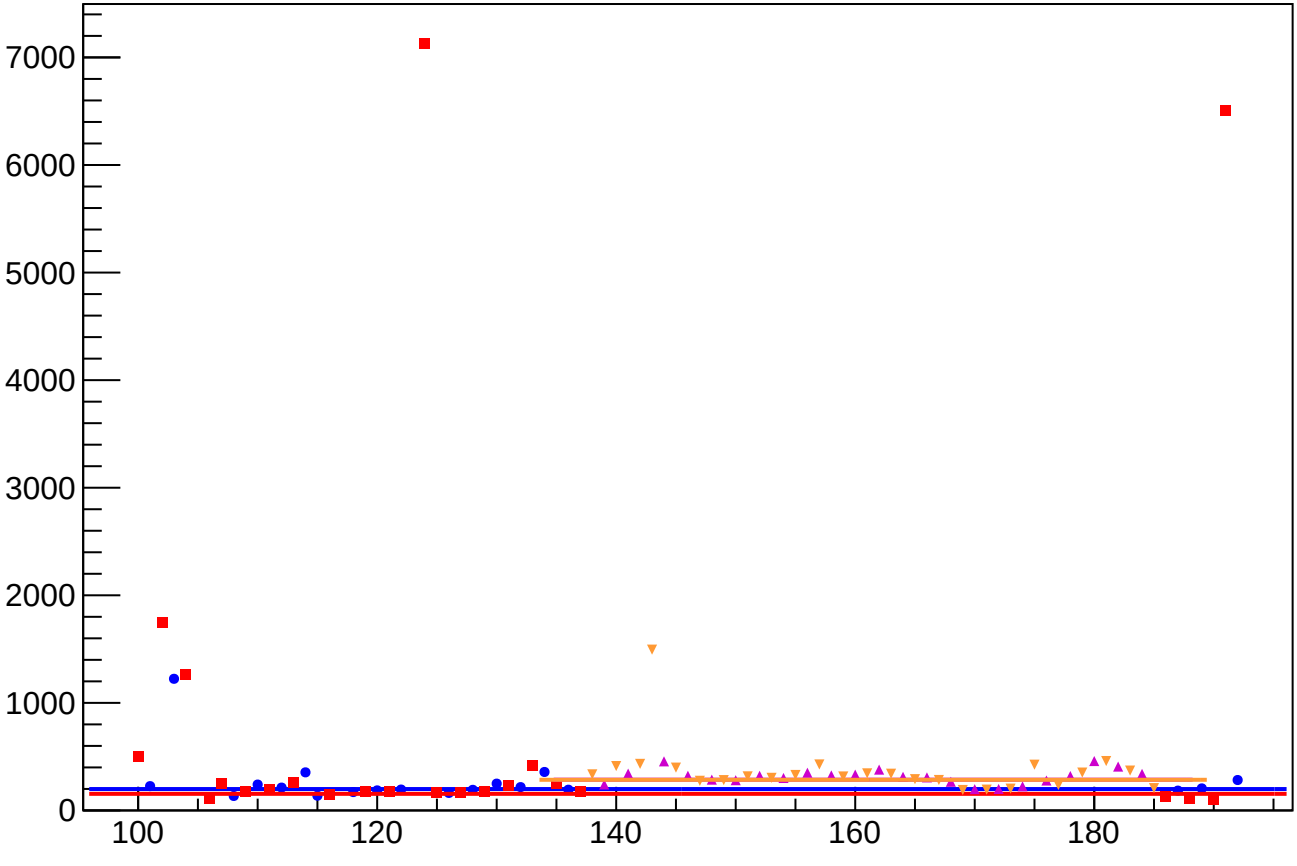
Right: 0.006+/-0.046 χ^2/NDF: 41.5/41

In: -0.080+/-0.050 χ^2/NDF:45.1/41

Out: 0.039+/-0.045 χ^2/NDF:54.0/47

All: -0.014+/-0.034 χ^2/NDF: 102.2/89

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: 154.464+/-0.042 χ^2/NDF: 3620188.5/22

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

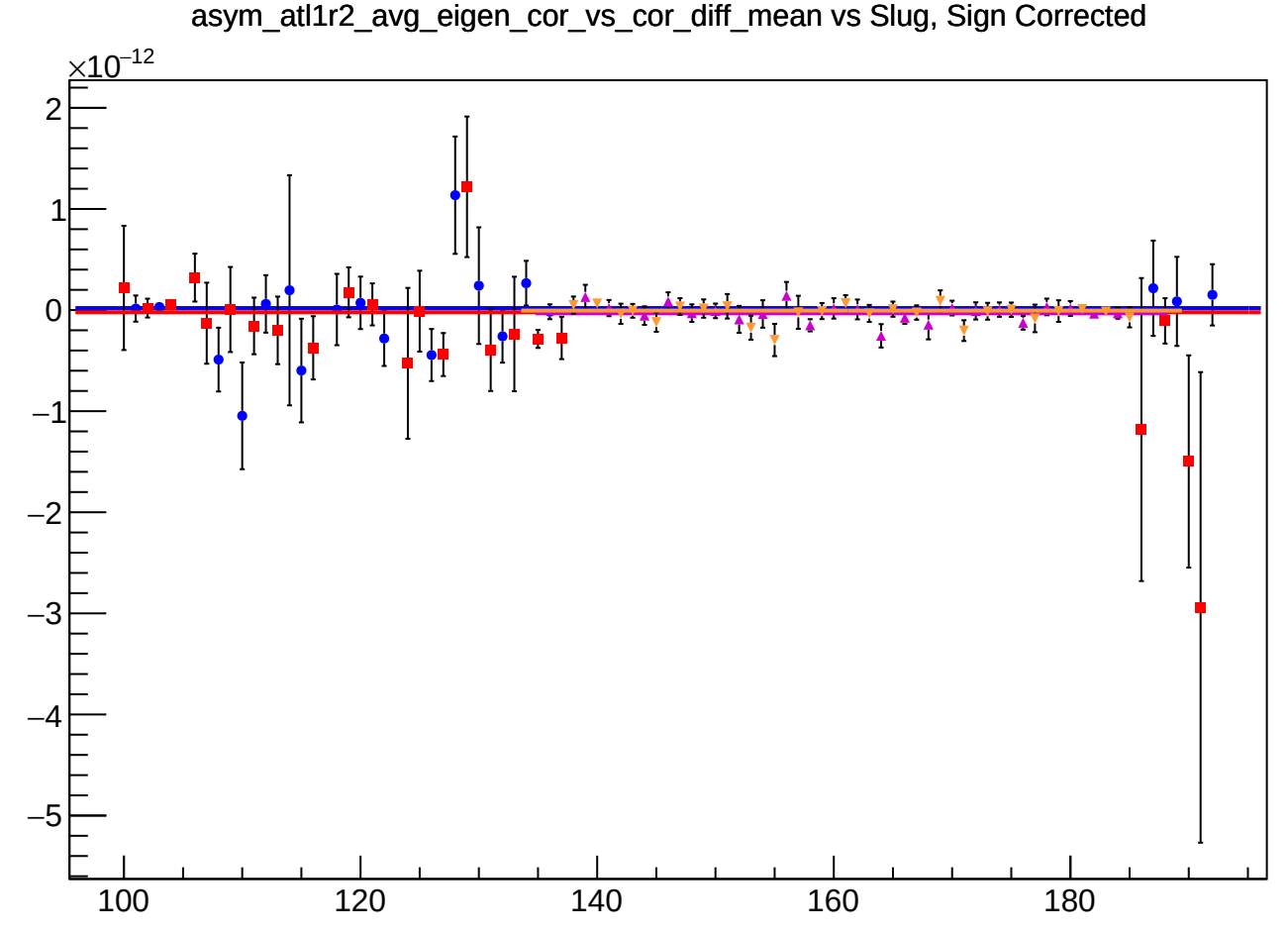
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

Right: 172.554+/-0.032 χ^2/NDF: 5660123.2/41

In: 243.447+/-0.036 χ^2/NDF:4815985.3/41

Out: 209.458+/-0.032 χ^2/NDF:11076053.6/47

All: 224.664+/-0.024 χ^2/NDF: 16395500.2/89



Right In: 0.000+/-0.000 χ^2/NDF: 19.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.4/22

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

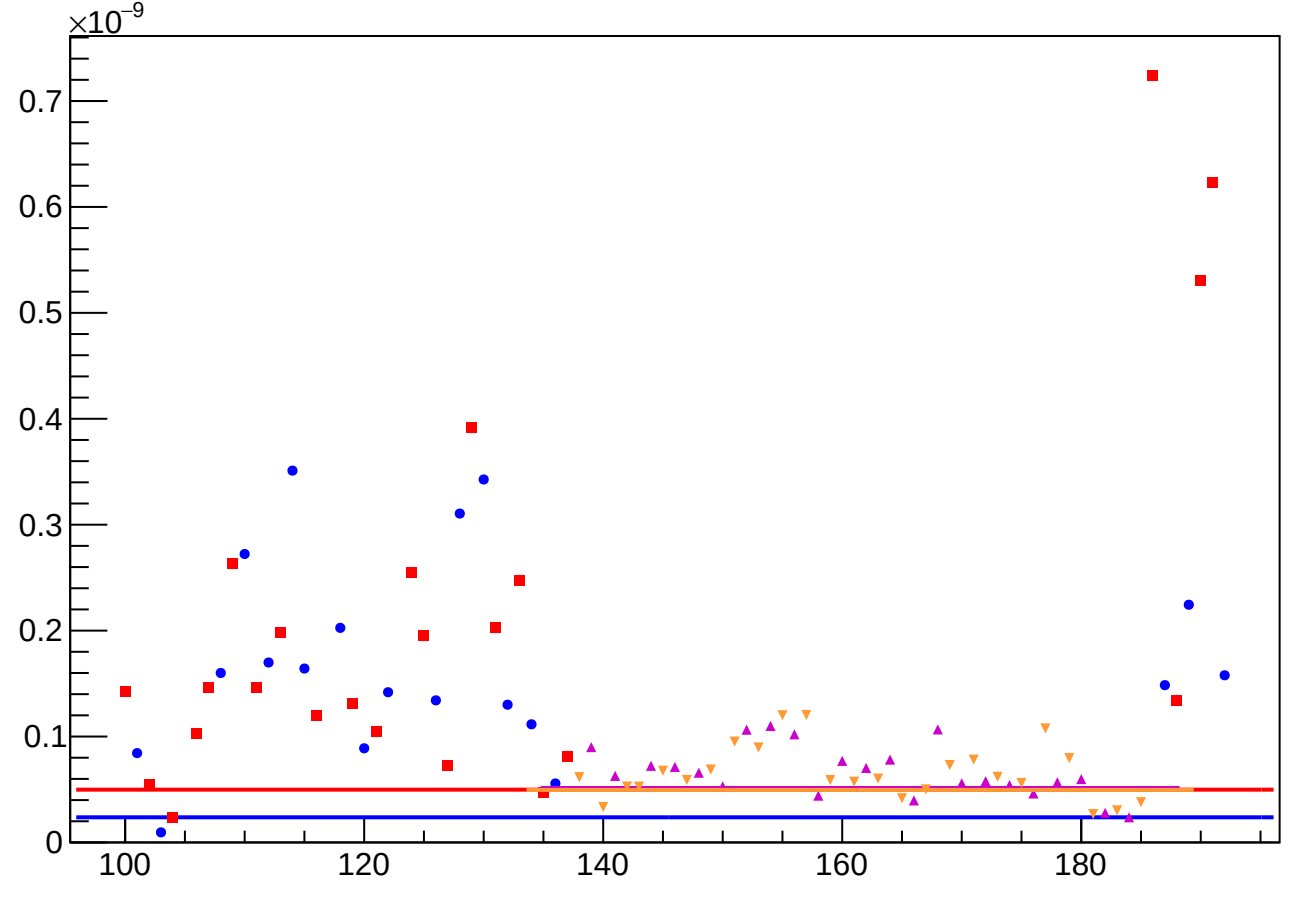
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: 0.000+/-0.000 χ^2/NDF: 52.5/41

In: -0.000+/-0.000 χ^2/NDF:42.6/41

Out: -0.000+/-0.000 χ^2/NDF:48.2/47

All: -0.000+/-0.000 χ^2/NDF: 90.9/89



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: 5473708.6/22

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

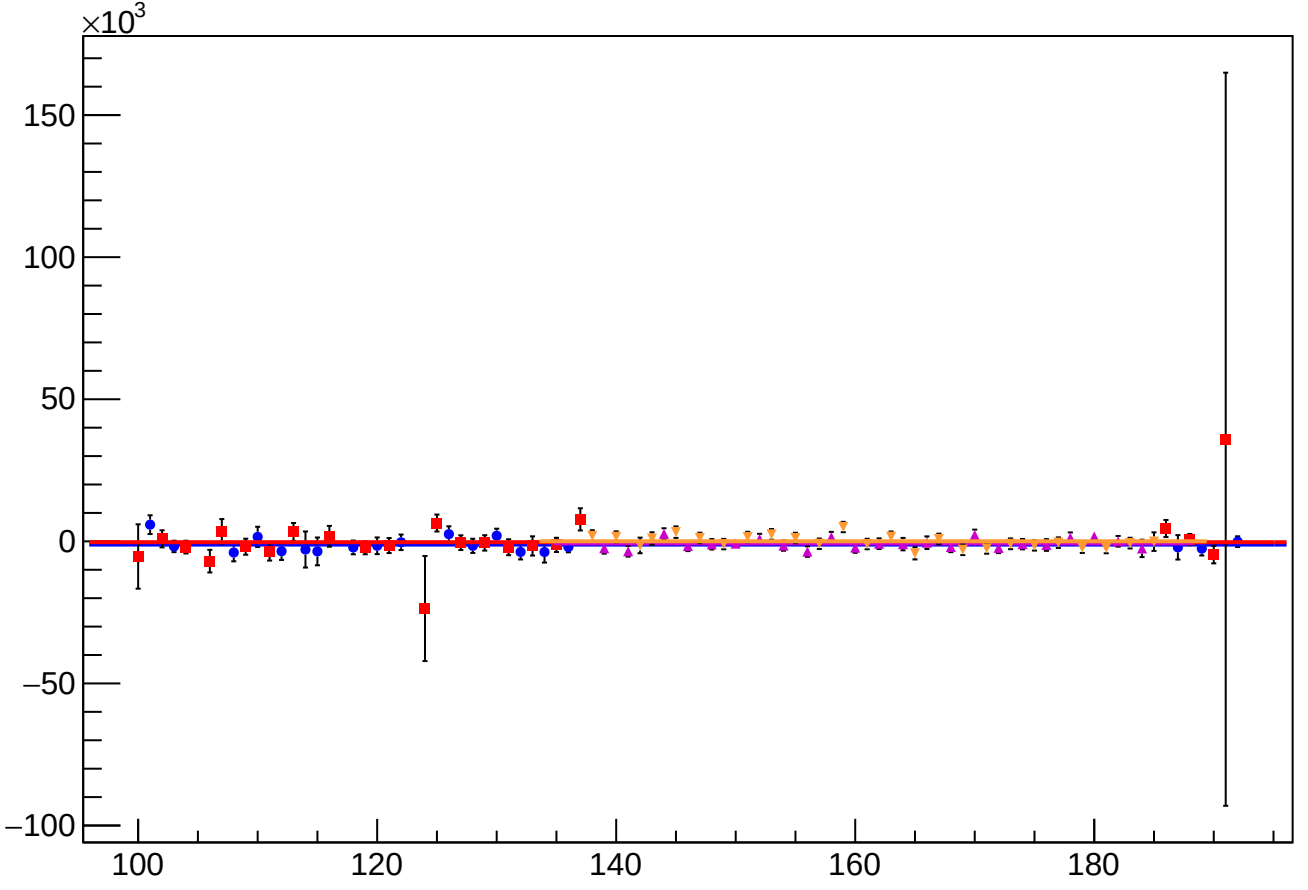
Right: 0.000+/-0.000 χ^2/NDF: 13827602.0/41

In: 0.000+/-0.000 χ^2/NDF:13313966.8/41

Out: 0.000+/-0.000 χ^2/NDF:9356434.1/47

All: 0.000+/-0.000 χ^2/NDF: 23097549.8/89

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: -301.049+/-634.748 χ^2/NDF: 24.9/22

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

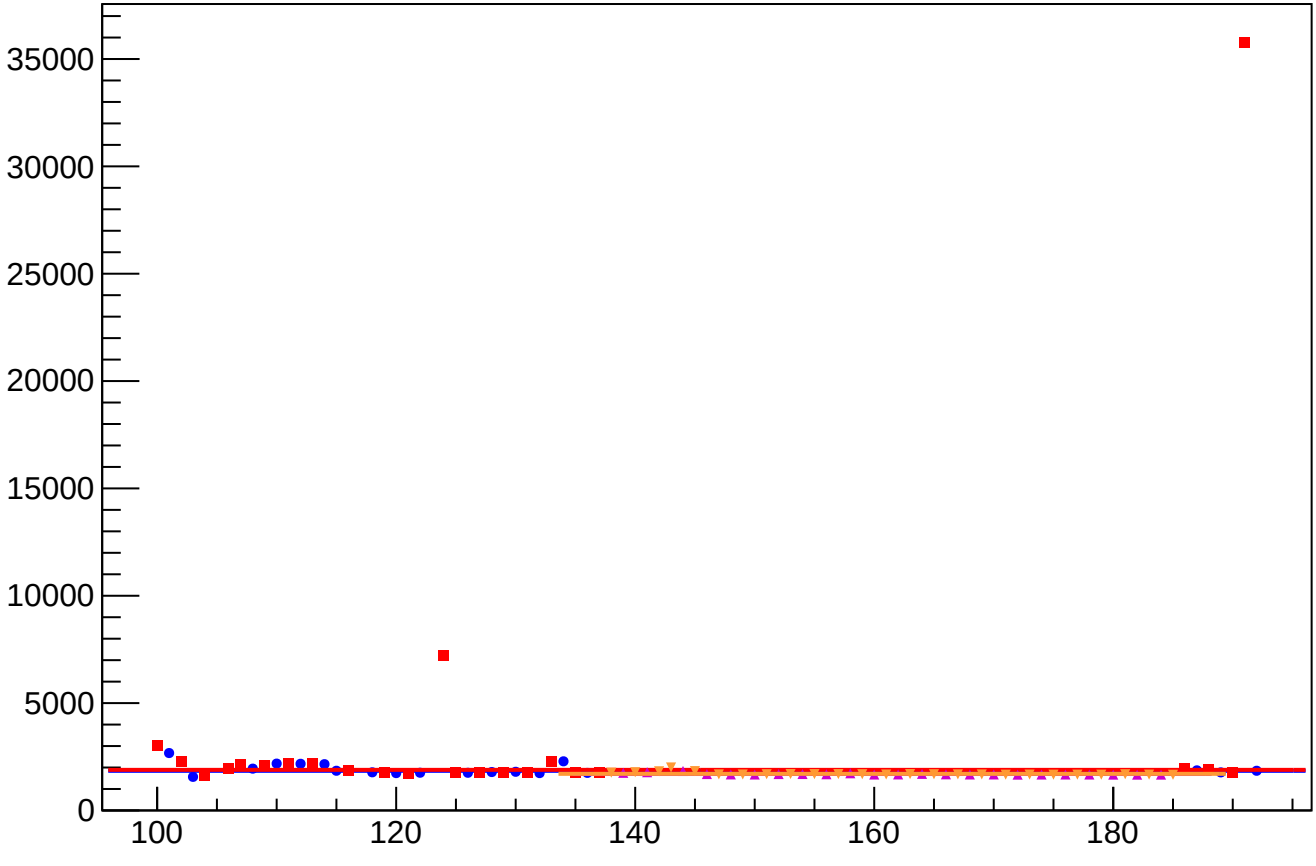
Right: -725.744+/-444.266 χ^2/NDF: 38.7/41

In: -839.120+/-334.318 χ^2/NDF:32.3/41

Out: -64.973+/-330.884 χ^2/NDF:54.5/47

All: -448.050+/-235.175 χ^2/NDF: 89.6/89

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: 1890.824+/-0.448 χ^2/NDF: 508211.8/22

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

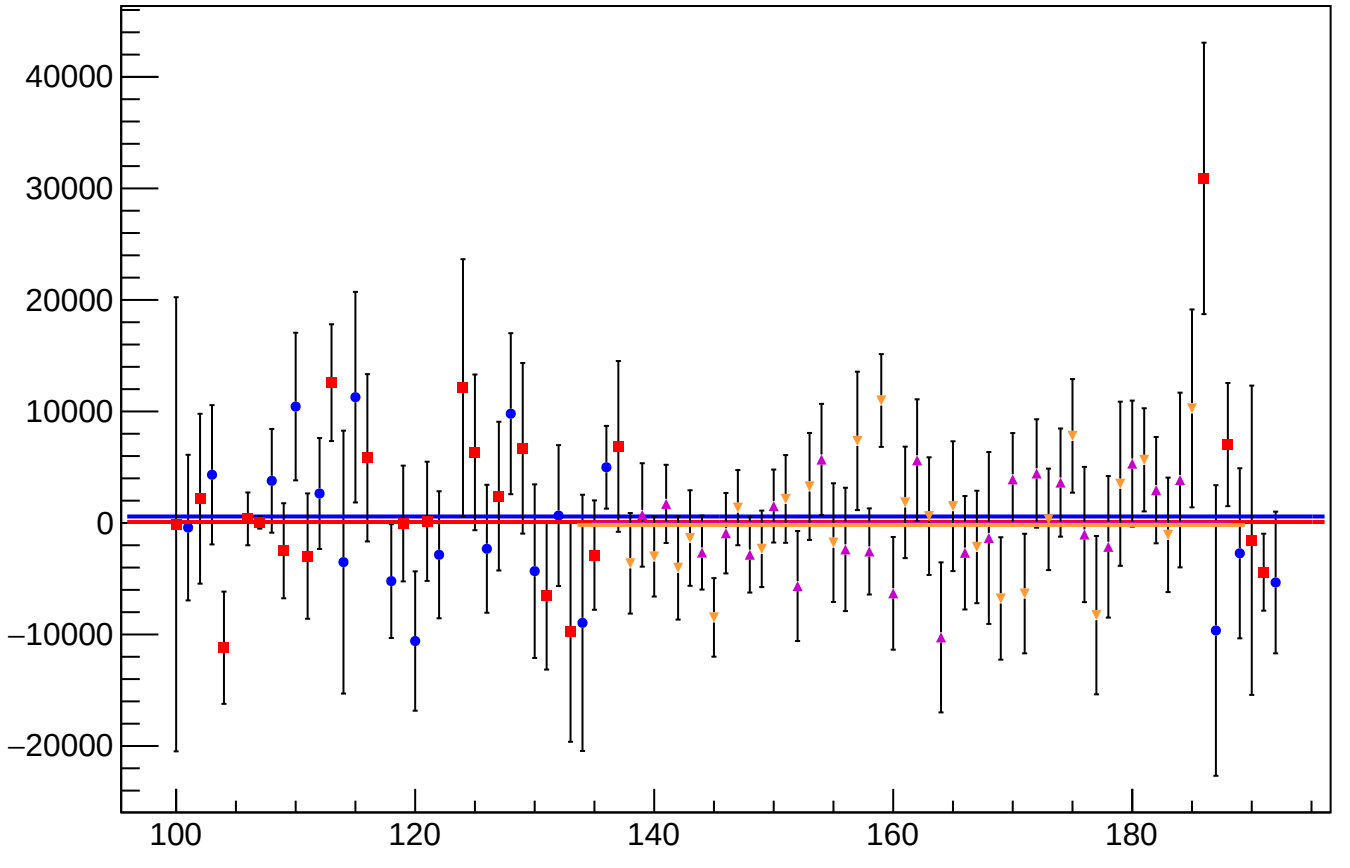
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1868.080+/-0.314 χ^2/NDF: 775173.8/41

In: 1740.453+/-0.236 χ^2/NDF:364265.0/41

Out: 1756.095+/-0.234 χ^2/NDF:692458.4/47

All: 1748.359+/-0.166 χ^2/NDF: 1058936.1/89



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: 85.329+/-497.572 χ^2/NDF: 27.6/22

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

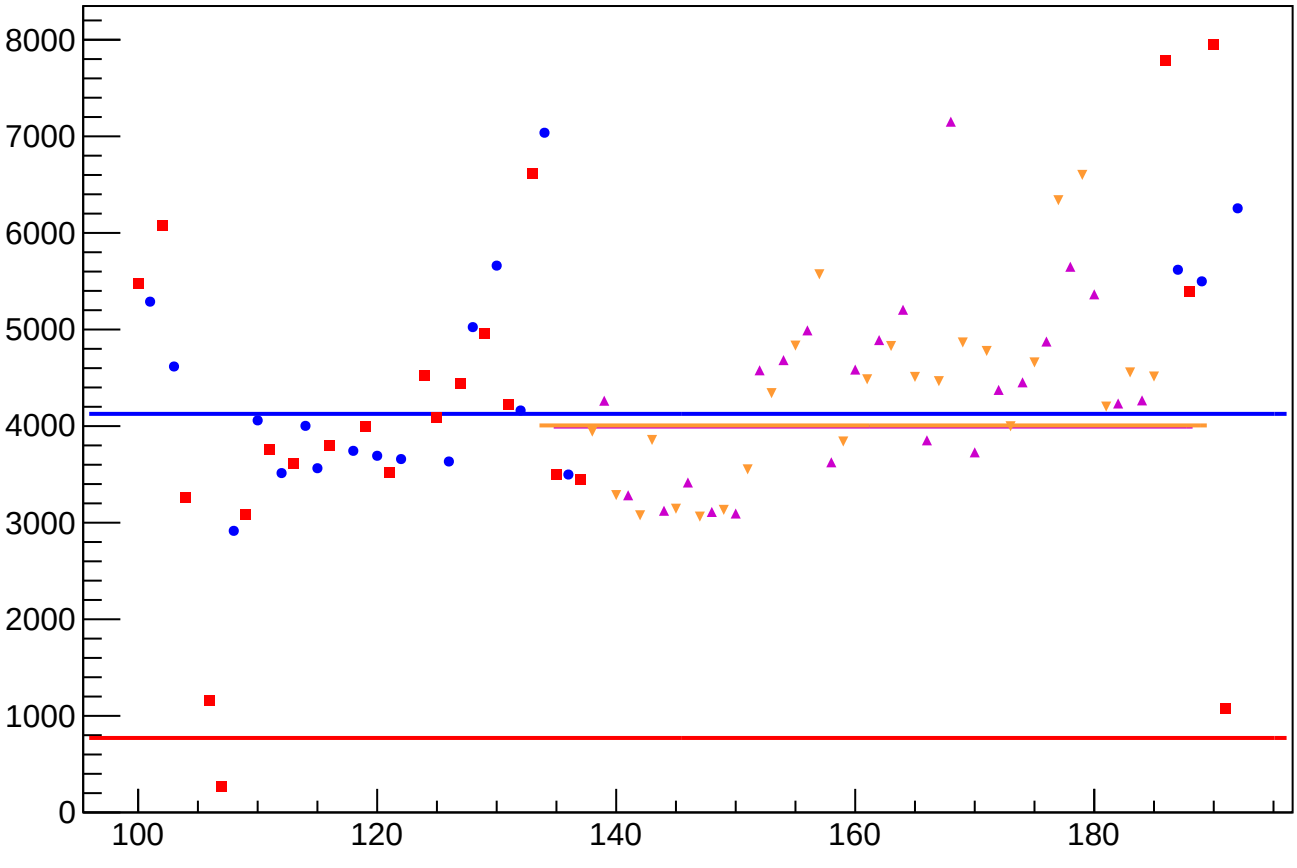
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 139.013+/-469.832 χ^2/NDF: 43.3/41

In: 140.997+/-794.472 χ^2/NDF:30.0/41

Out: 27.718+/-439.262 χ^2/NDF:55.6/47

All: 54.239+/-384.417 χ^2/NDF: 85.6/89



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: 771.269+/-0.352 χ^2/NDF: 13268629.6/22

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

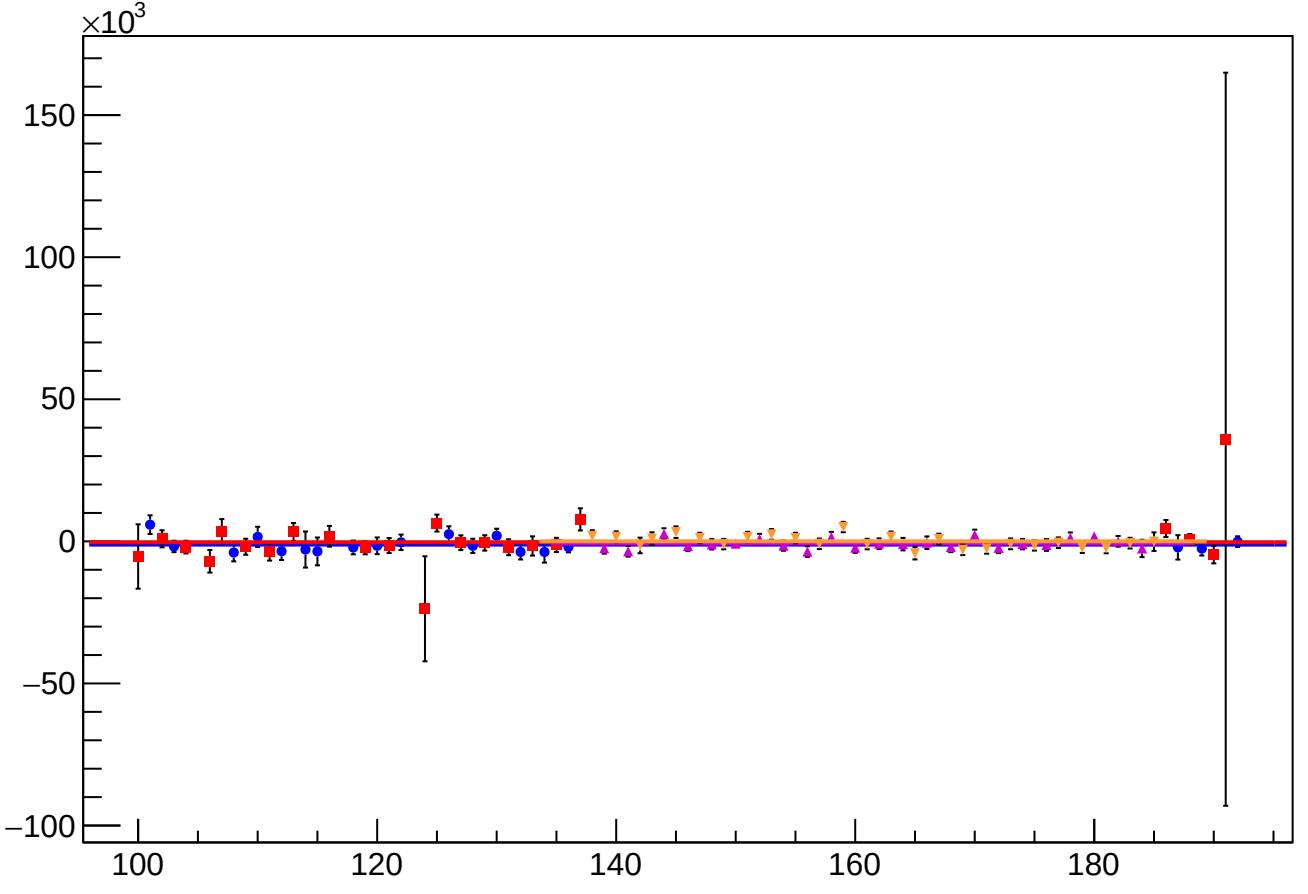
Right: 1134.980+/-0.332 χ^2/NDF: 24035659.1/41

In: 4035.812+/-0.562 χ^2/NDF:2458040.2/41

Out: 1485.215+/-0.311 χ^2/NDF:33434187.2/47

All: 2082.375+/-0.272 χ^2/NDF: 51679764.4/8

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: -301.334+/-634.749 χ^2/NDF: 24.9/22

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

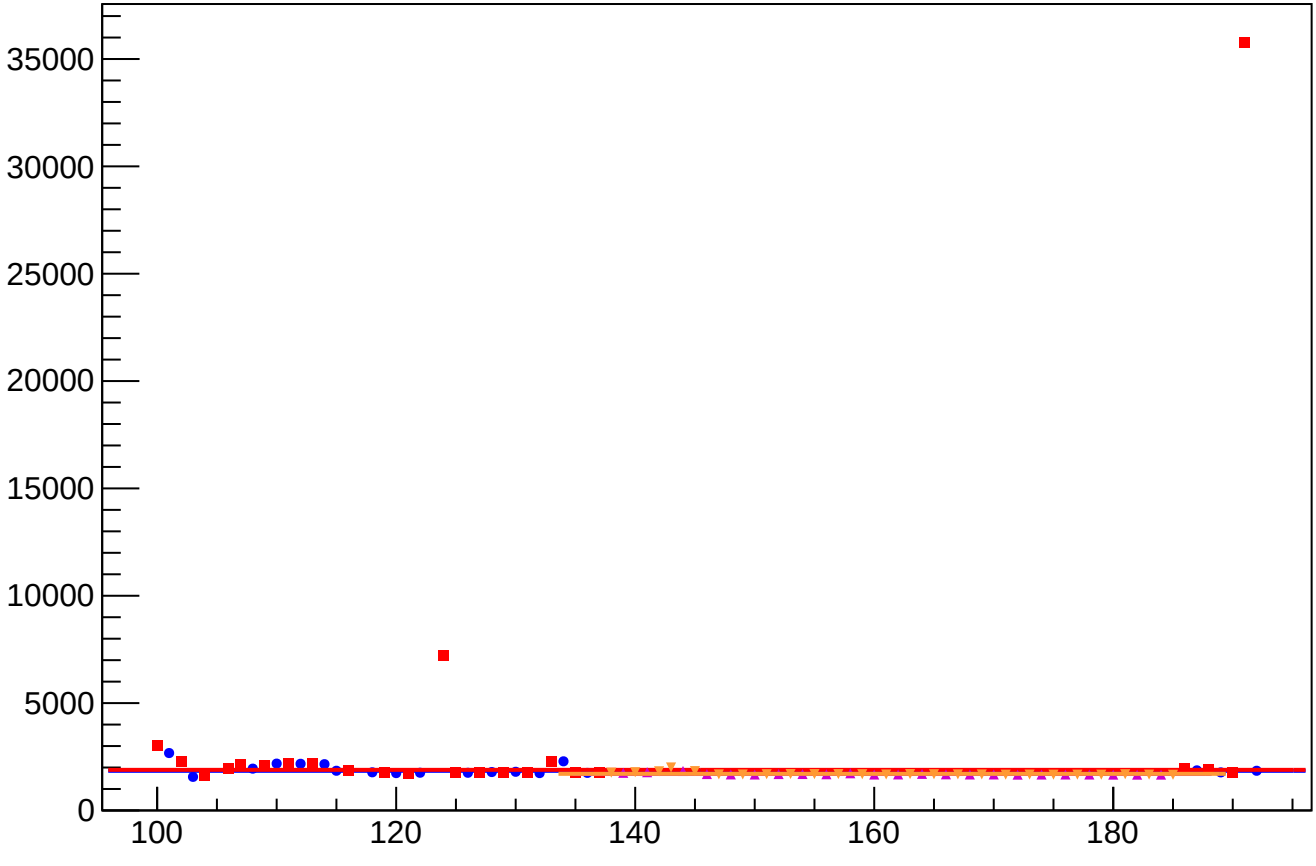
Right: -725.715+/-444.267 χ^2/NDF: 38.7/41

In: -838.936+/-334.318 χ^2/NDF:32.3/41

Out: -64.998+/-330.884 χ^2/NDF:54.6/47

All: -447.972+/-235.175 χ^2/NDF: 89.6/89

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: 1891.196+/-0.448 χ^2/NDF: 508426.9/22

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

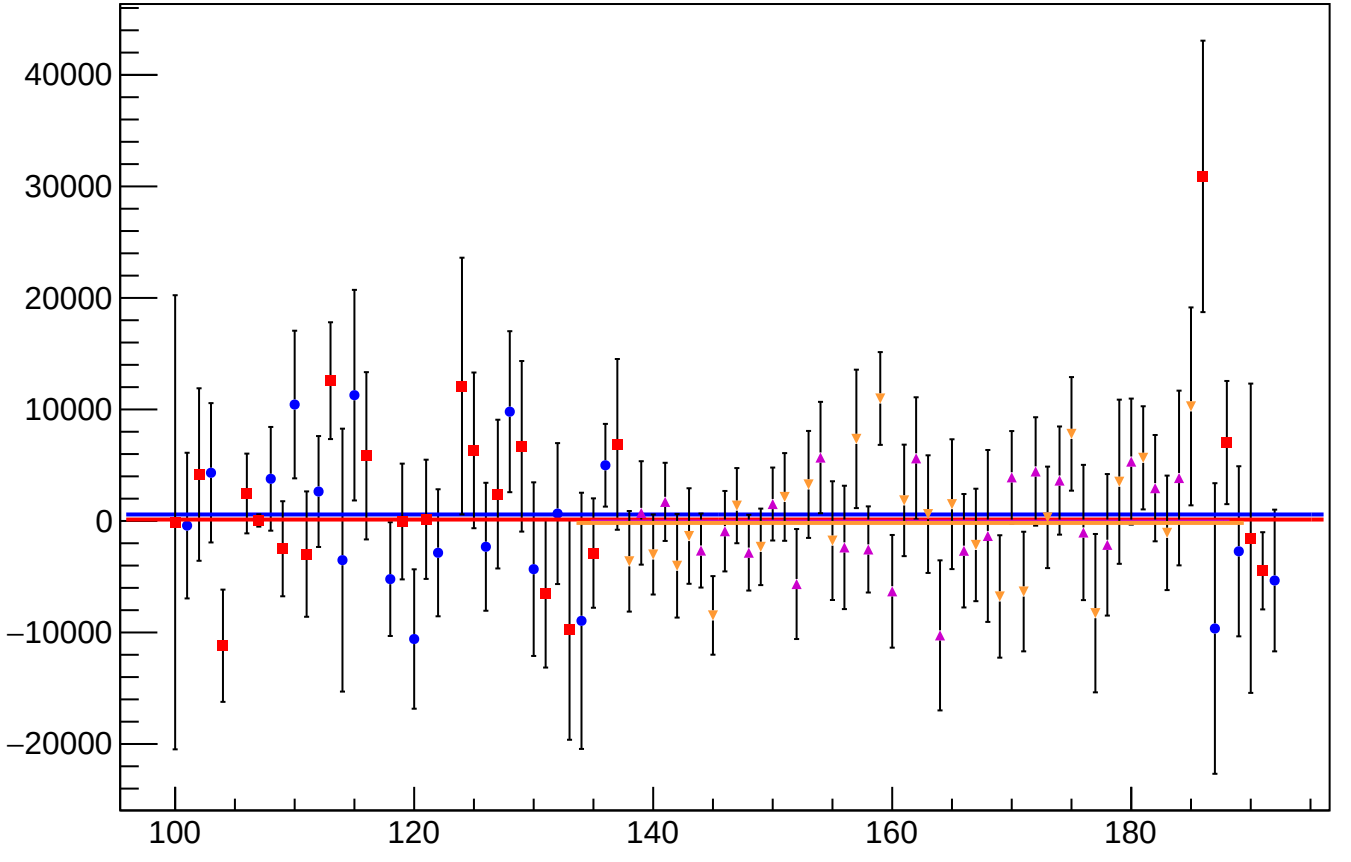
Right: 1868.258+/-0.314 χ^2/NDF: 775471.5/41

In: 1740.454+/-0.236 χ^2/NDF:364264.5/41

Out: 1756.183+/-0.234 χ^2/NDF:693139.1/47

All: 1748.403+/-0.166 χ^2/NDF: 1059641.0/89

asym_atl1r2_dd_cor_correction_mean vs Slug, Sign Corrected



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: 126.873+/-503.884 χ^2/NDF: 28.3/22

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

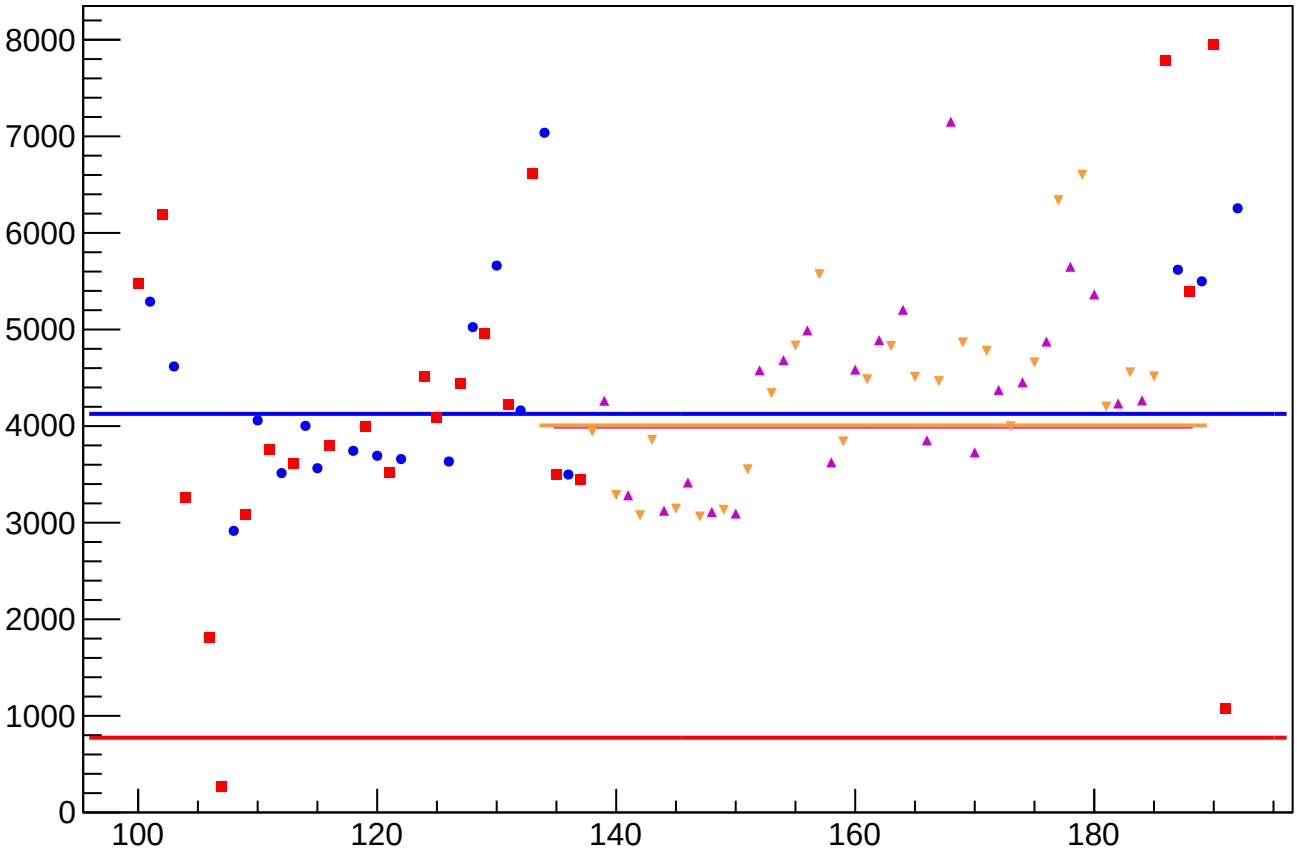
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 177.168+/-475.135 χ^2/NDF: 43.9/41

In: 141.040+/-794.472 χ^2/NDF:30.0/41

Out: 58.778+/-443.587 χ^2/NDF:56.3/47

All: 78.328+/-387.305 χ^2/NDF: 86.3/89



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: 774.215+/-0.356 χ^2/NDF: 13395330.8/22

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

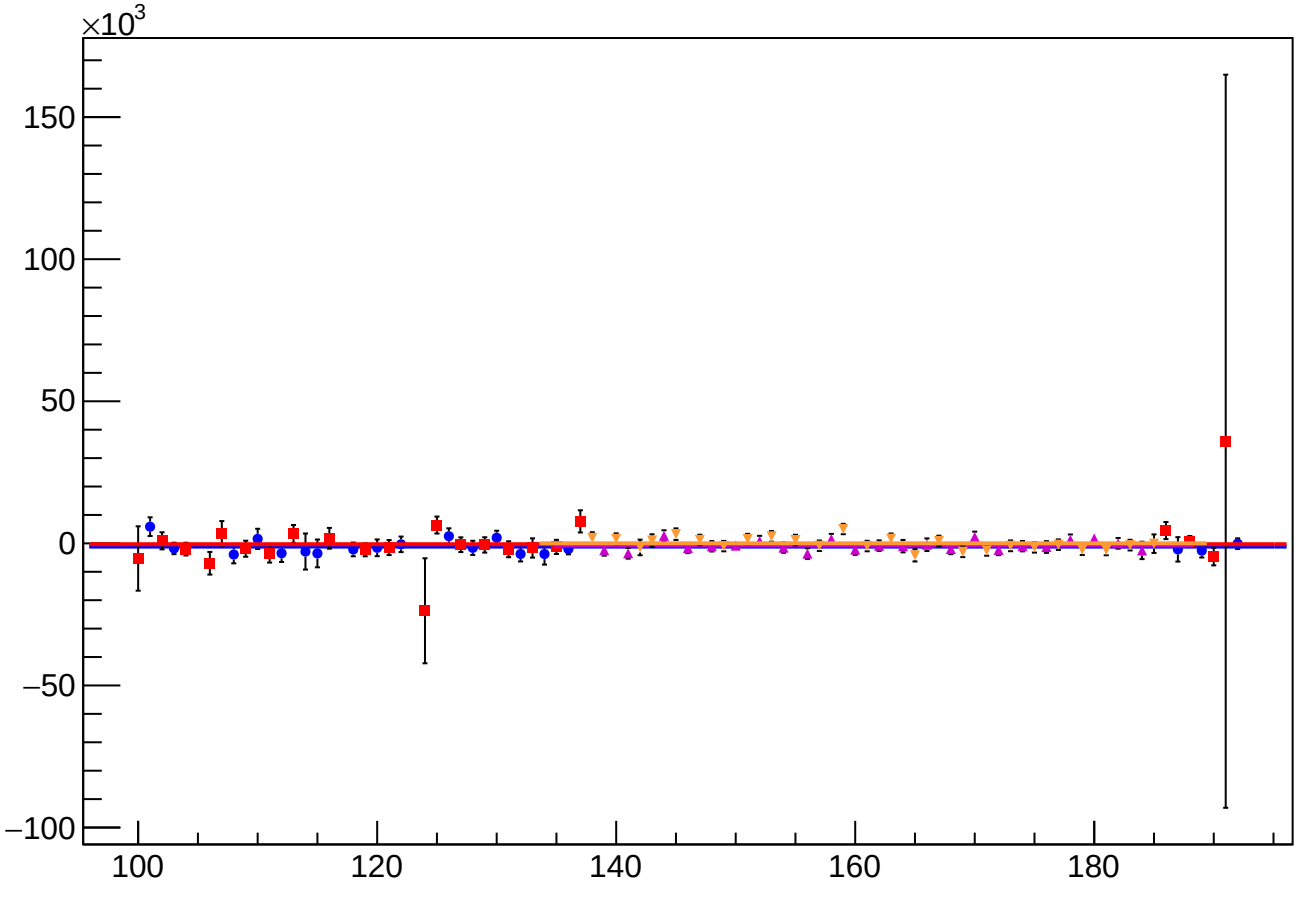
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1145.855+/-0.336 χ^2/NDF: 24117911.7/41

In: 4035.813+/-0.562 χ^2/NDF:2458048.7/41

Out: 1501.625+/-0.314 χ^2/NDF:33422544.5/47

All: 2103.892+/-0.274 χ^2/NDF: 51393781.6/8



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: -301.334+/-634.749 χ^2/NDF: 24.9/22

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

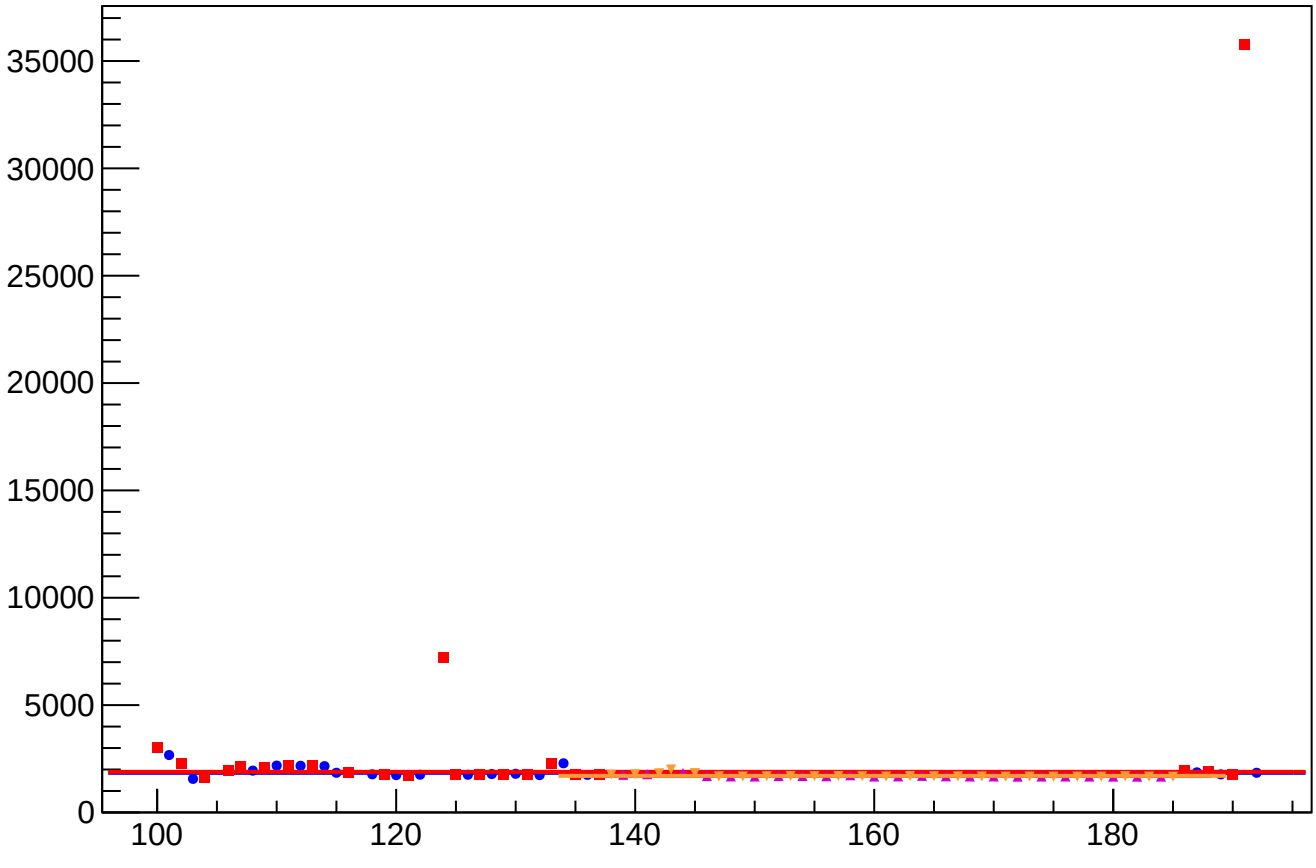
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -725.715+/-444.267 χ^2/NDF: 38.7/41

In: -838.936+/-334.318 χ^2/NDF:32.3/41

Out: -64.998+/-330.884 χ^2/NDF:54.6/47

All: -447.972+/-235.175 χ^2/NDF: 89.6/89



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: 1891.196+/-0.448 χ^2/NDF: 508426.9/22

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

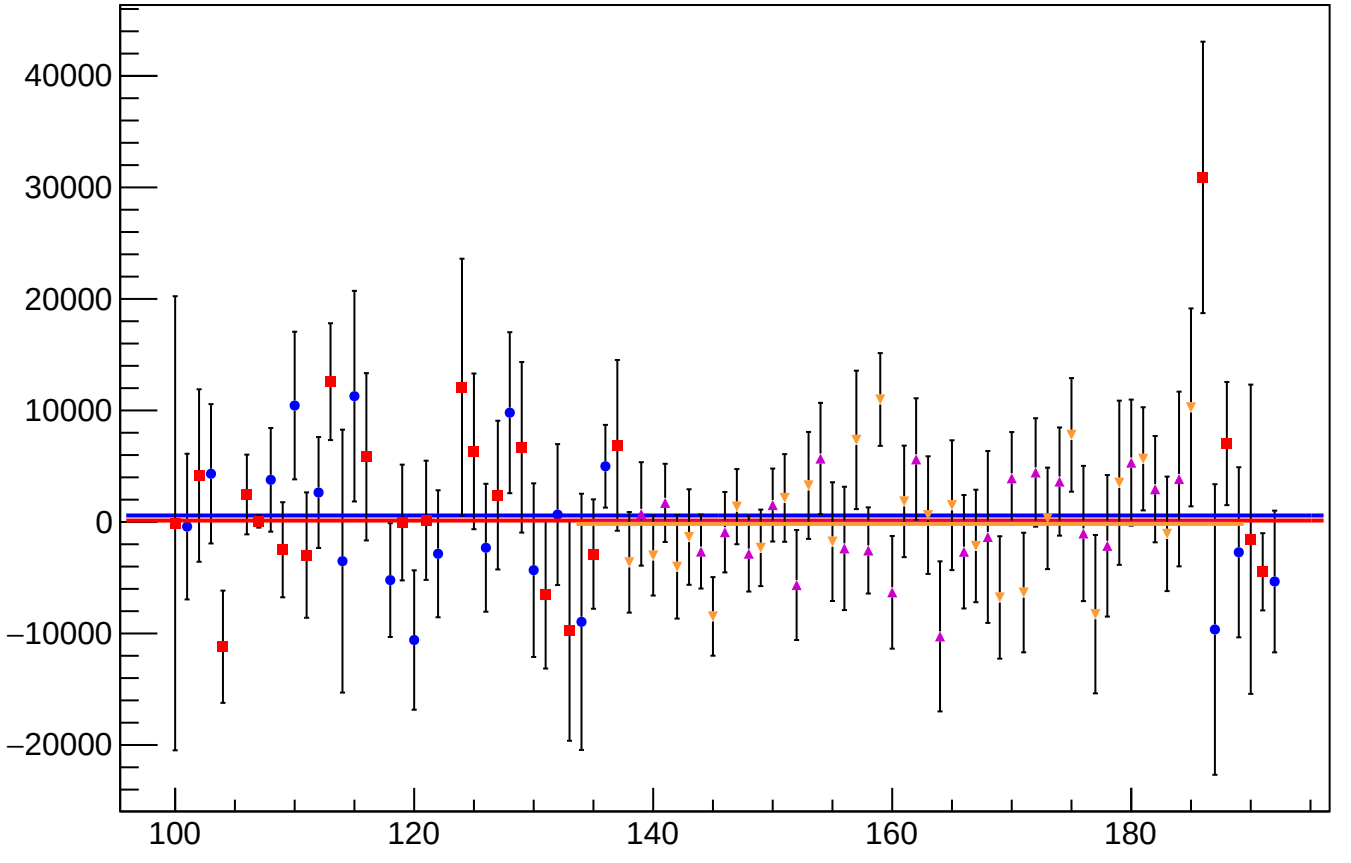
Right: 1868.258+/-0.314 χ^2/NDF: 775471.5/41

In: 1740.454+/-0.236 χ^2/NDF:364264.5/41

Out: 1756.183+/-0.234 χ^2/NDF:693139.1/47

All: 1748.403+/-0.166 χ^2/NDF: 1059641.0/89

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 126.873+/-503.884 χ^2/NDF: 28.3/22

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

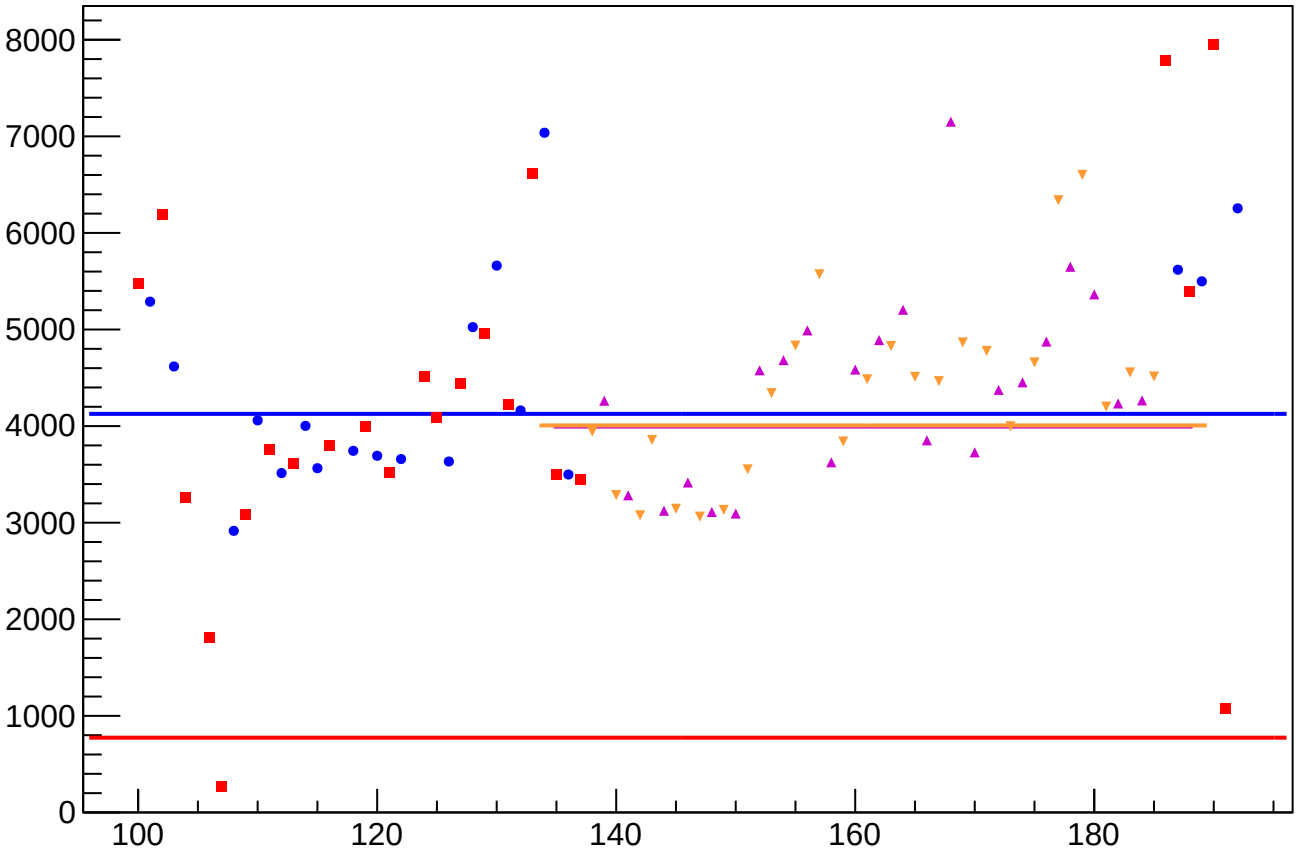
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 177.168+/-475.135 χ^2/NDF: 43.9/41

In: 141.040+/-794.472 χ^2/NDF:30.0/41

Out: 58.778+/-443.587 χ^2/NDF:56.3/47

All: 78.328+/-387.305 χ^2/NDF: 86.3/89



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: 774.215+/-0.356 χ^2/NDF: 13395330.8/22

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

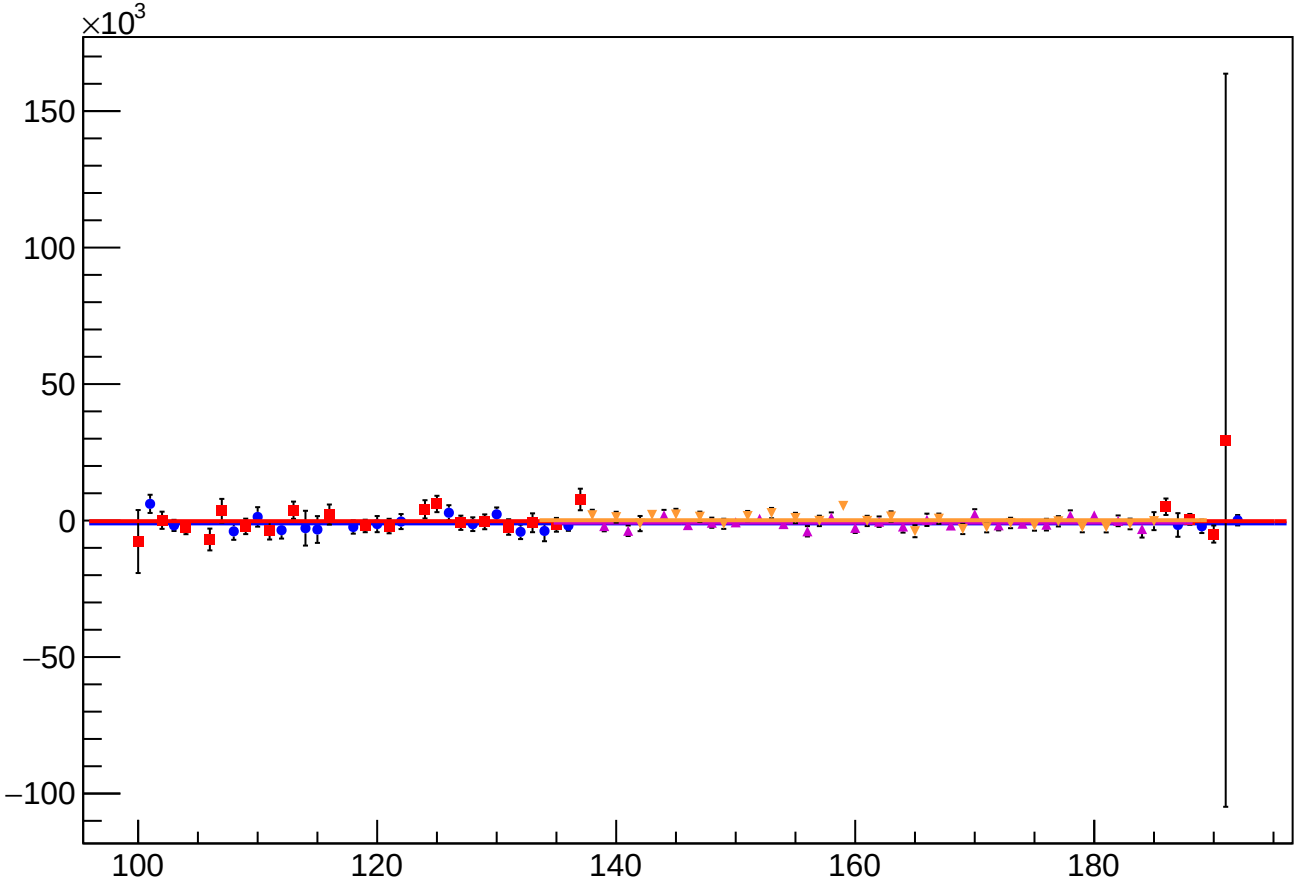
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1145.855+/-0.336 χ^2/NDF: 24117911.7/41

In: 4035.813+/-0.562 χ^2/NDF:2458048.7/41

Out: 1501.625+/-0.314 χ^2/NDF:33422544.5/47

All: 2103.892+/-0.274 χ^2/NDF: 51393781.6/8



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: -225.127+/-630.722 χ^2/NDF: 26.4/22

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

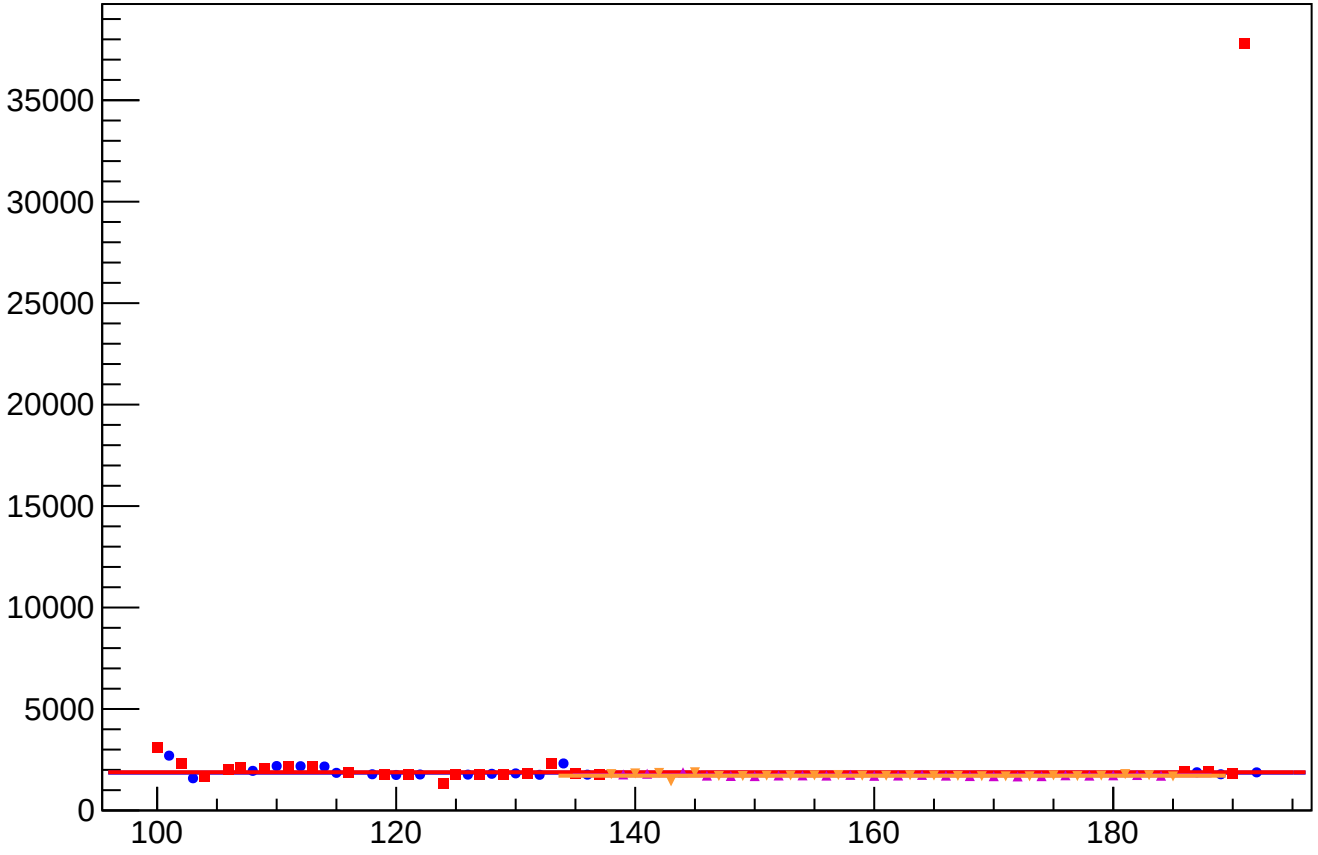
Right: -632.097+/-444.869 χ^2/NDF: 41.0/41

In: -827.326+/-339.793 χ^2/NDF:32.9/41

Out: 24.703+/-331.375 χ^2/NDF:56.3/47

All: -390.627+/-237.238 χ^2/NDF: 92.4/89

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: 1882.799+/-0.446 χ^2/NDF: 407556.5/22

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

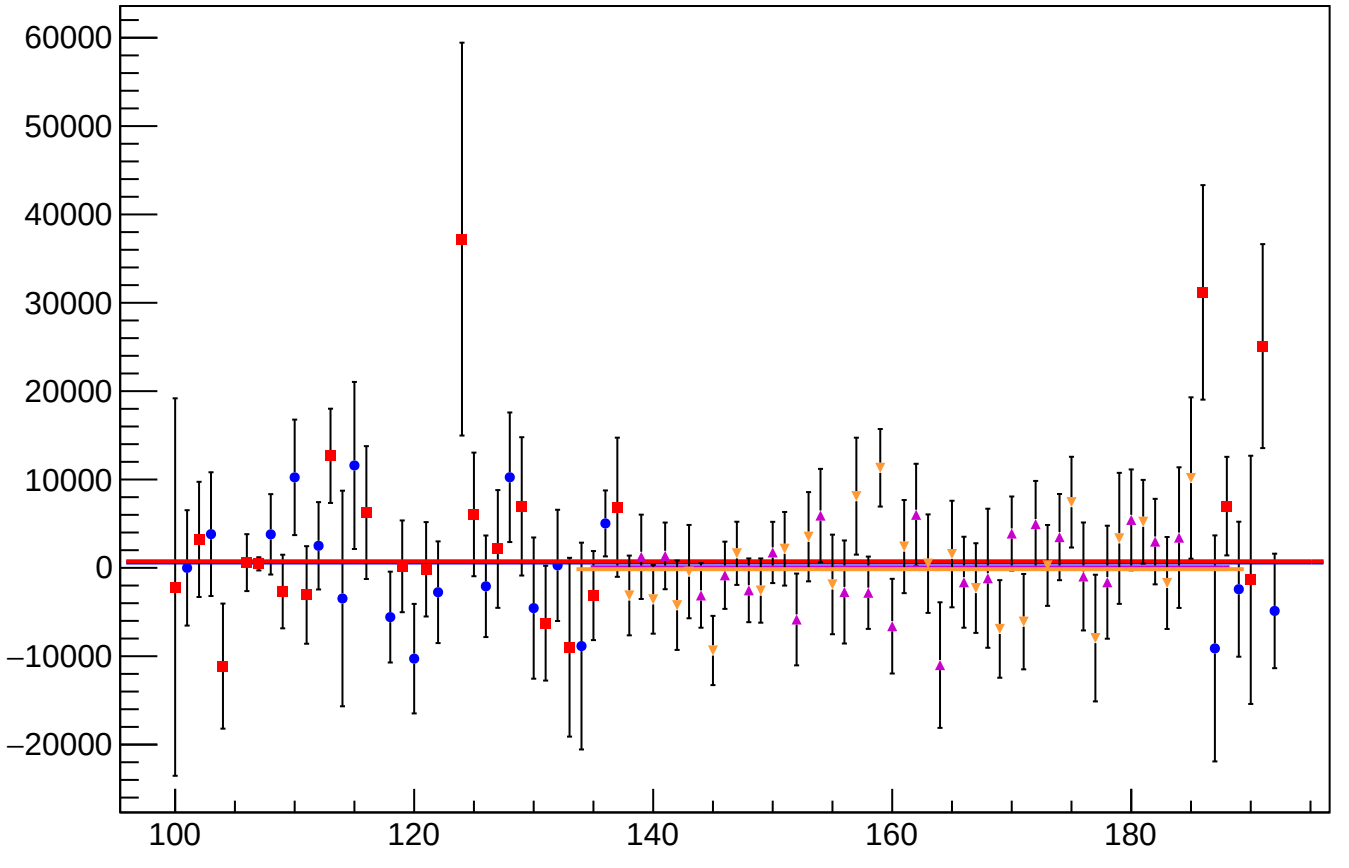
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1872.597+/-0.314 χ^2/NDF: 667185.6/41

In: 1769.080+/-0.240 χ^2/NDF:344337.4/41

Out: 1759.416+/-0.234 χ^2/NDF:607853.9/47

All: 1764.126+/-0.168 χ^2/NDF: 953020.5/89



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: 744.121+/-651.278 χ^2/NDF: 29.1/22

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

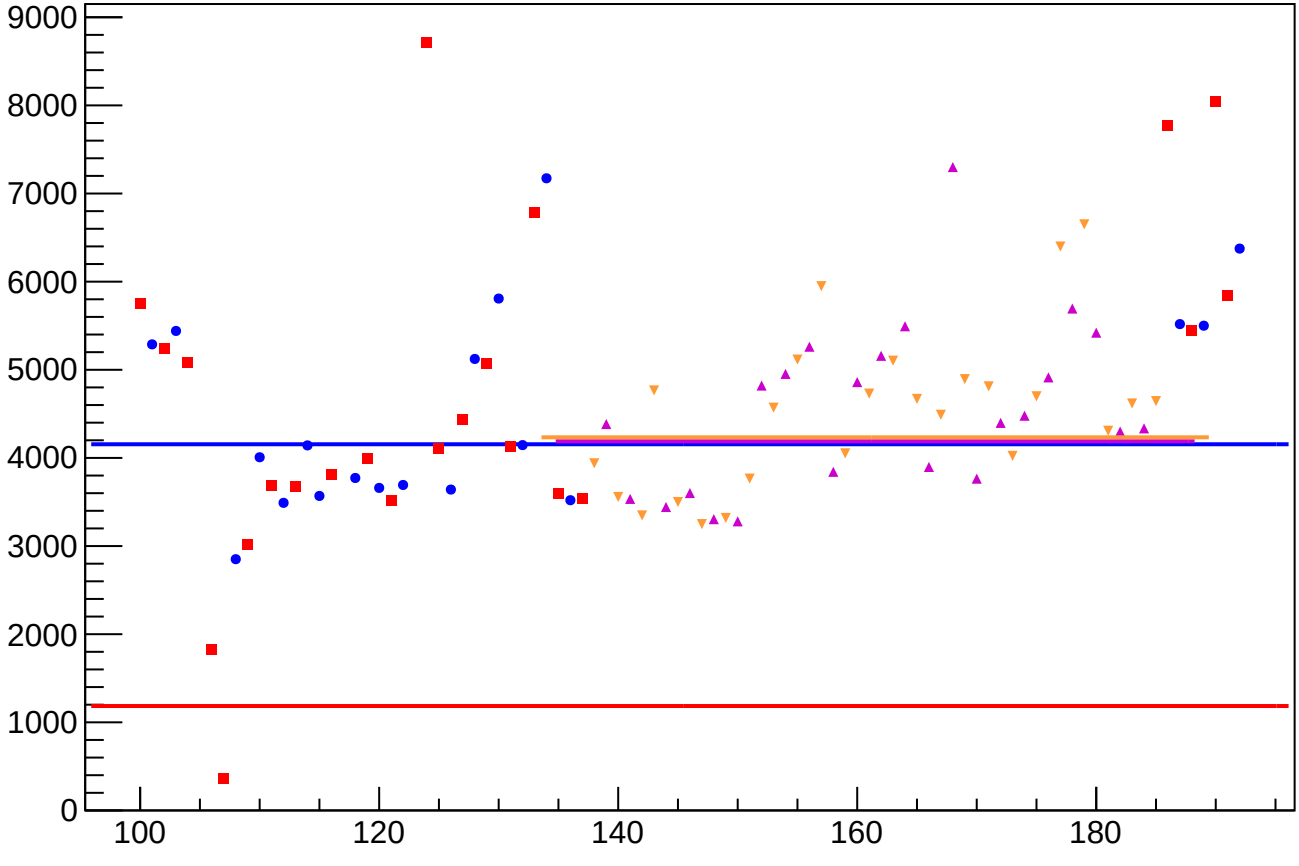
Right: 720.930+/-593.188 χ^2/NDF: 44.3/41

In: 242.339+/-820.847 χ^2/NDF:29.3/41

Out: 472.078+/-543.261 χ^2/NDF:56.5/47

All: 402.100+/-453.029 χ^2/NDF: 85.9/89

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: 1184.915+/-0.461 χ^2/NDF: 12169406.5/22

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

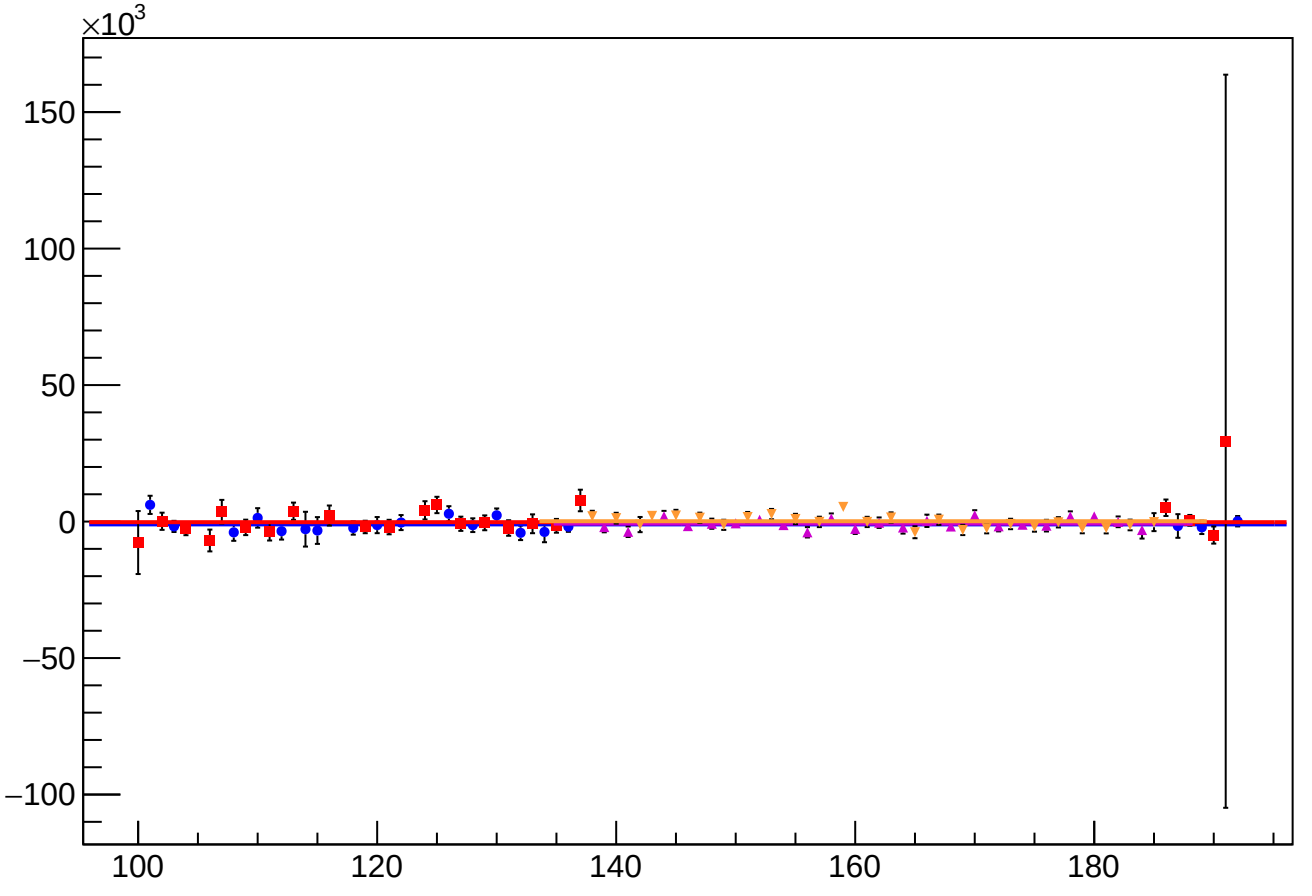
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 1691.123+/-0.419 χ^2/NDF: 20279097.0/41

In: 4177.842+/-0.580 χ^2/NDF:2365714.0/41

Out: 2112.418+/-0.384 χ^2/NDF:26788421.0/47

All: 2741.544+/-0.320 χ^2/NDF: 37959748.9/8



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: -225.132+/-630.722 χ^2/NDF: 26.4/22

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

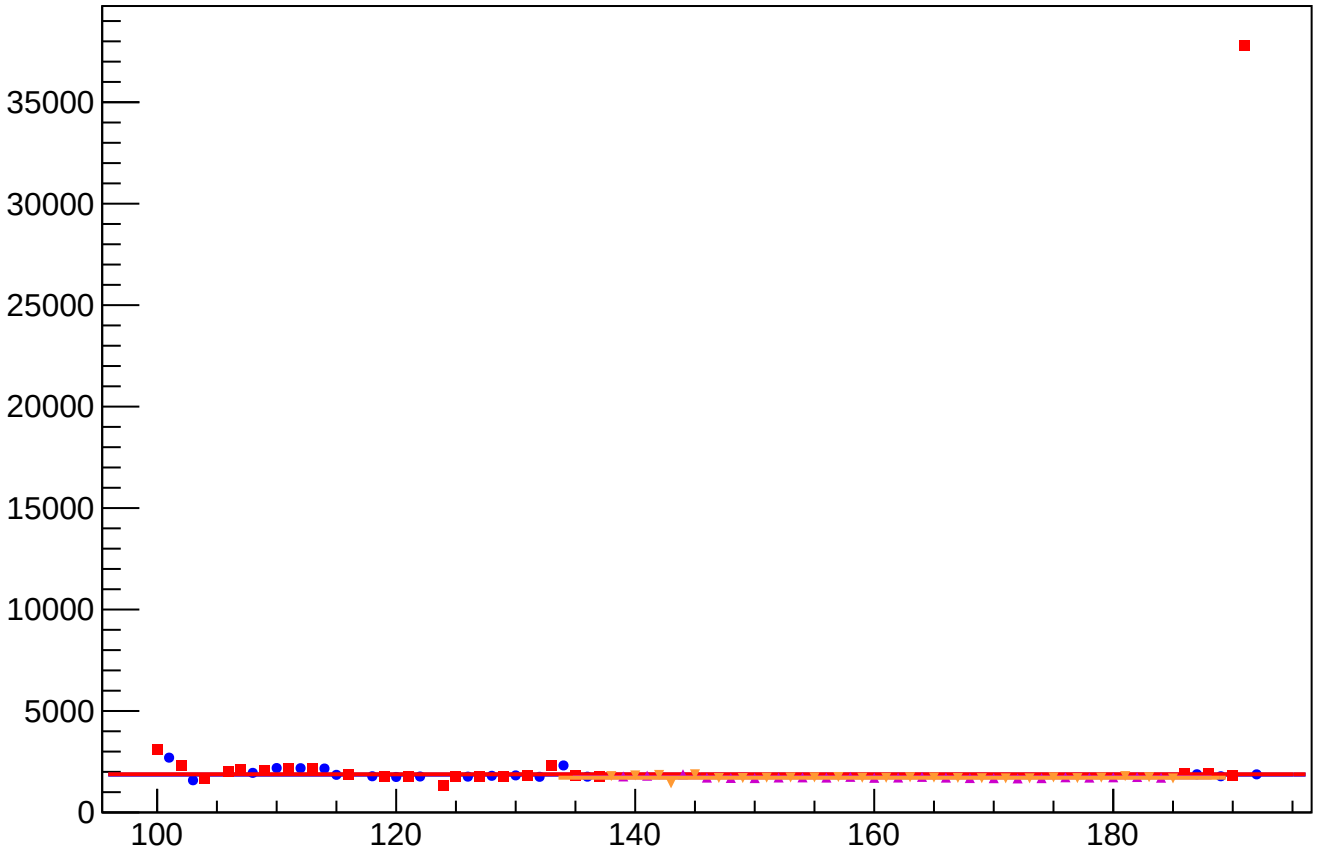
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -632.102+/-444.869 χ^2/NDF: 41.0/41

In: -827.327+/-339.793 χ^2/NDF:32.9/41

Out: 24.704+/-331.375 χ^2/NDF:56.3/47

All: -390.627+/-237.238 χ^2/NDF: 92.4/89



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: 1882.799+/-0.446 χ^2/NDF: 407556.9/22

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

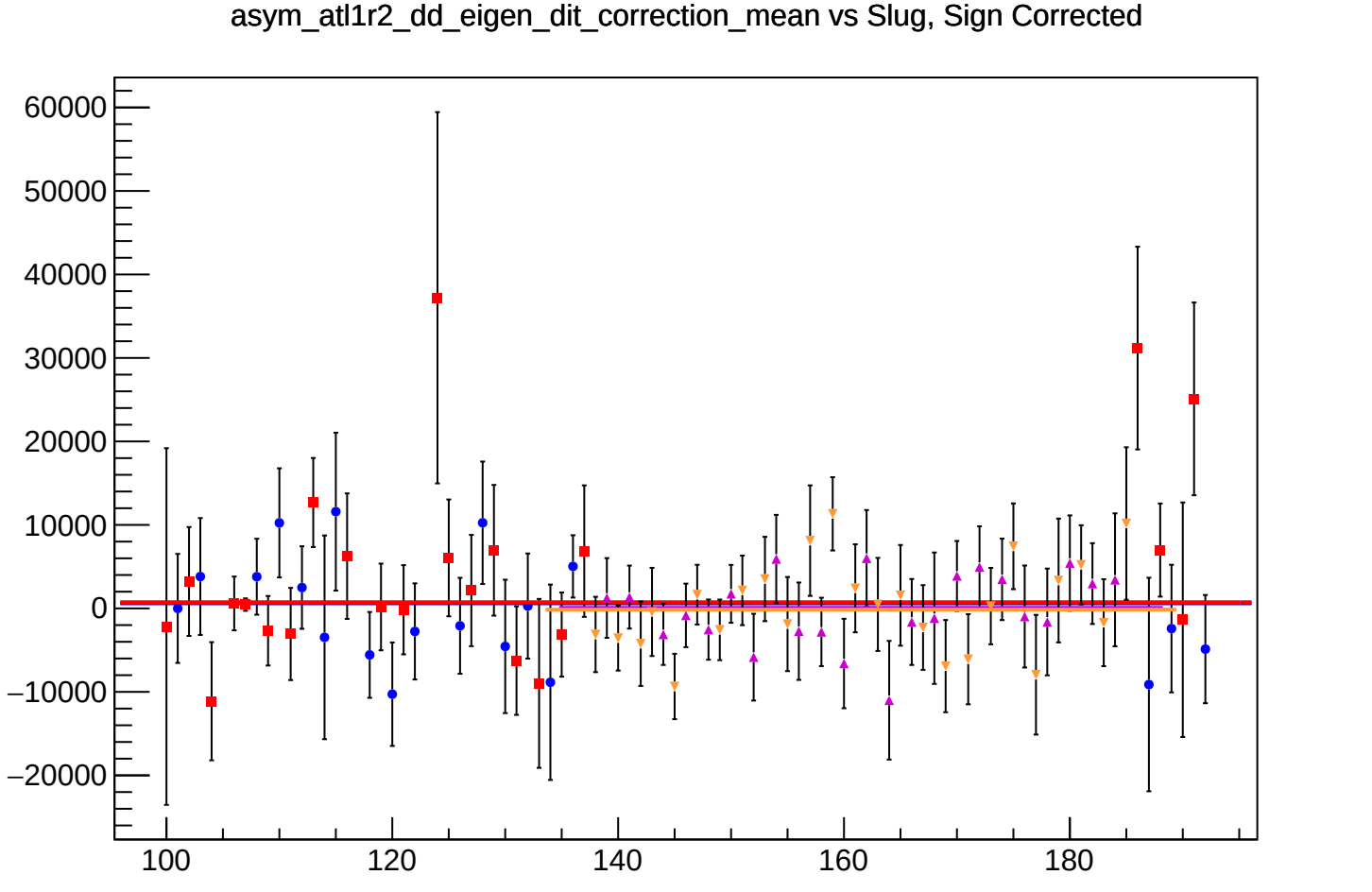
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1872.596+/-0.314 χ^2/NDF: 667185.9/41

In: 1769.081+/-0.240 χ^2/NDF:344336.4/41

Out: 1759.417+/-0.234 χ^2/NDF:607852.4/47

All: 1764.127+/-0.168 χ^2/NDF: 953018.1/89



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: 744.136+/-651.289 χ^2/NDF: 29.1/22

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

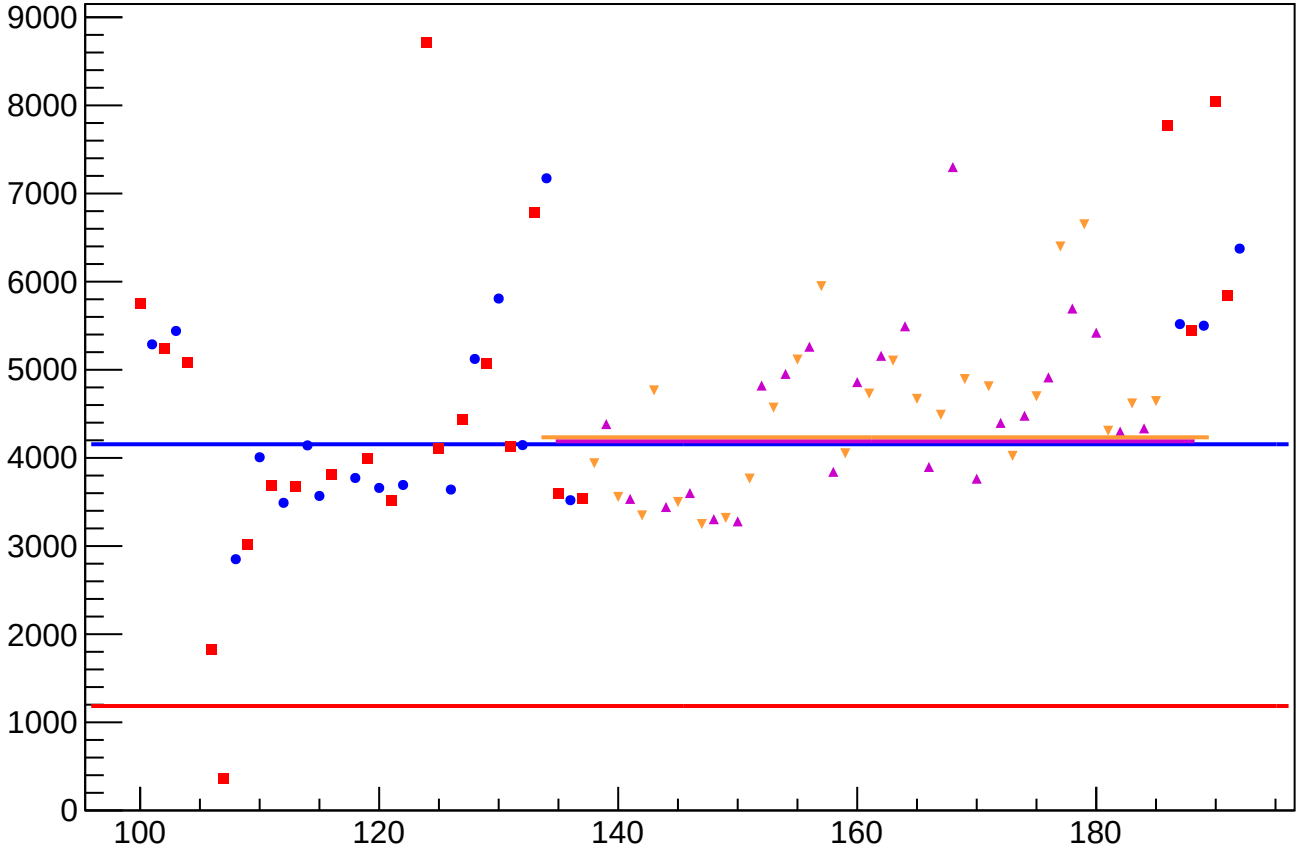
Right: 720.939+/-593.196 χ^2/NDF: 44.3/41

In: 242.336+/-820.847 χ^2/NDF:29.3/41

Out: 472.083+/-543.268 χ^2/NDF:56.5/47

All: 402.101+/-453.033 χ^2/NDF: 85.9/89

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: 1184.949+/-0.461 χ^2/NDF: 12169244.5/22

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

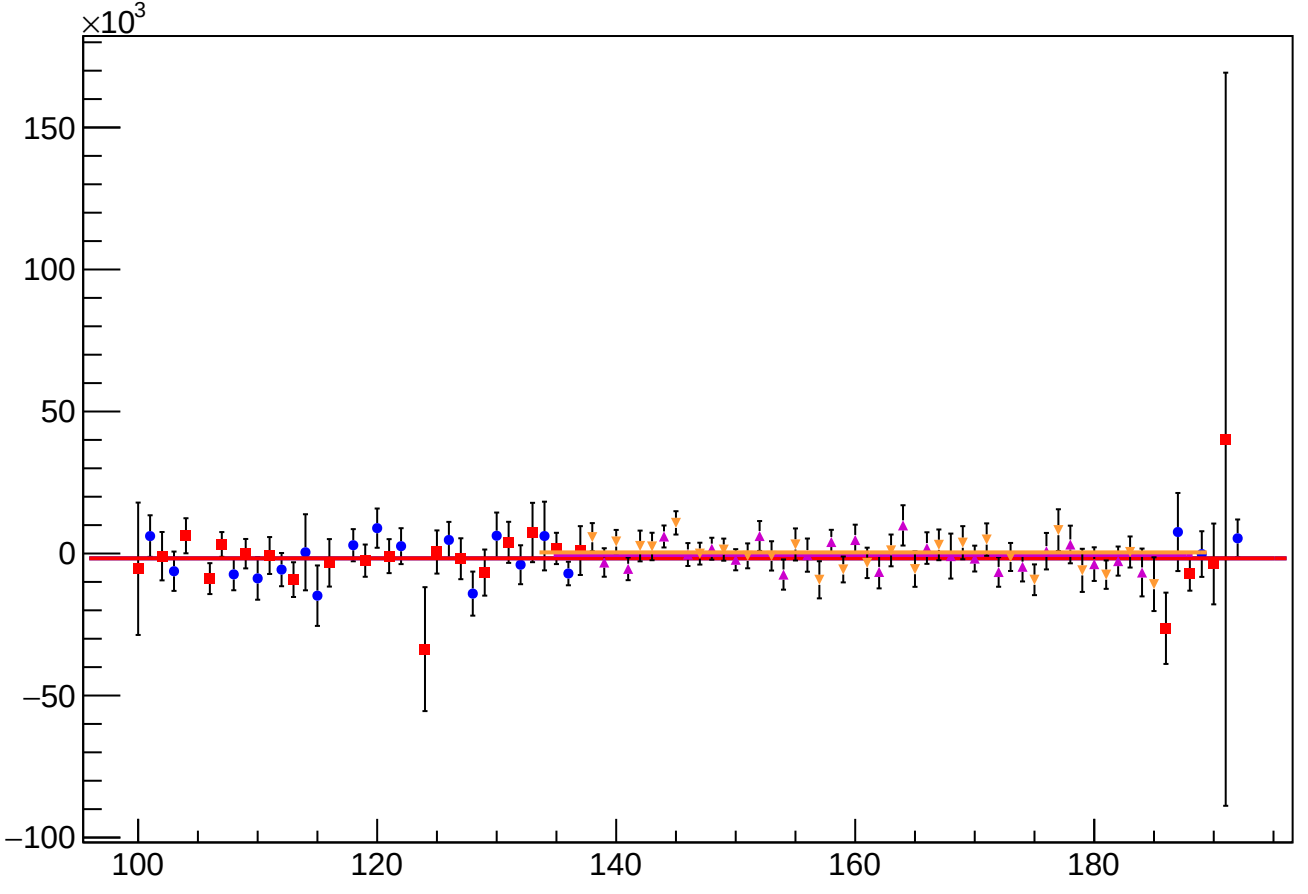
Right: 1691.164+/-0.419 χ^2/NDF: 20278724.4/41

In: 4177.844+/-0.580 χ^2/NDF:2365719.3/41

Out: 2112.462+/-0.384 χ^2/NDF:26787862.2/47

All: 2741.585+/-0.320 χ^2/NDF: 37958768.5/8

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: -1696.987+/-1477.376 χ^2/NDF: 15.7/22

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

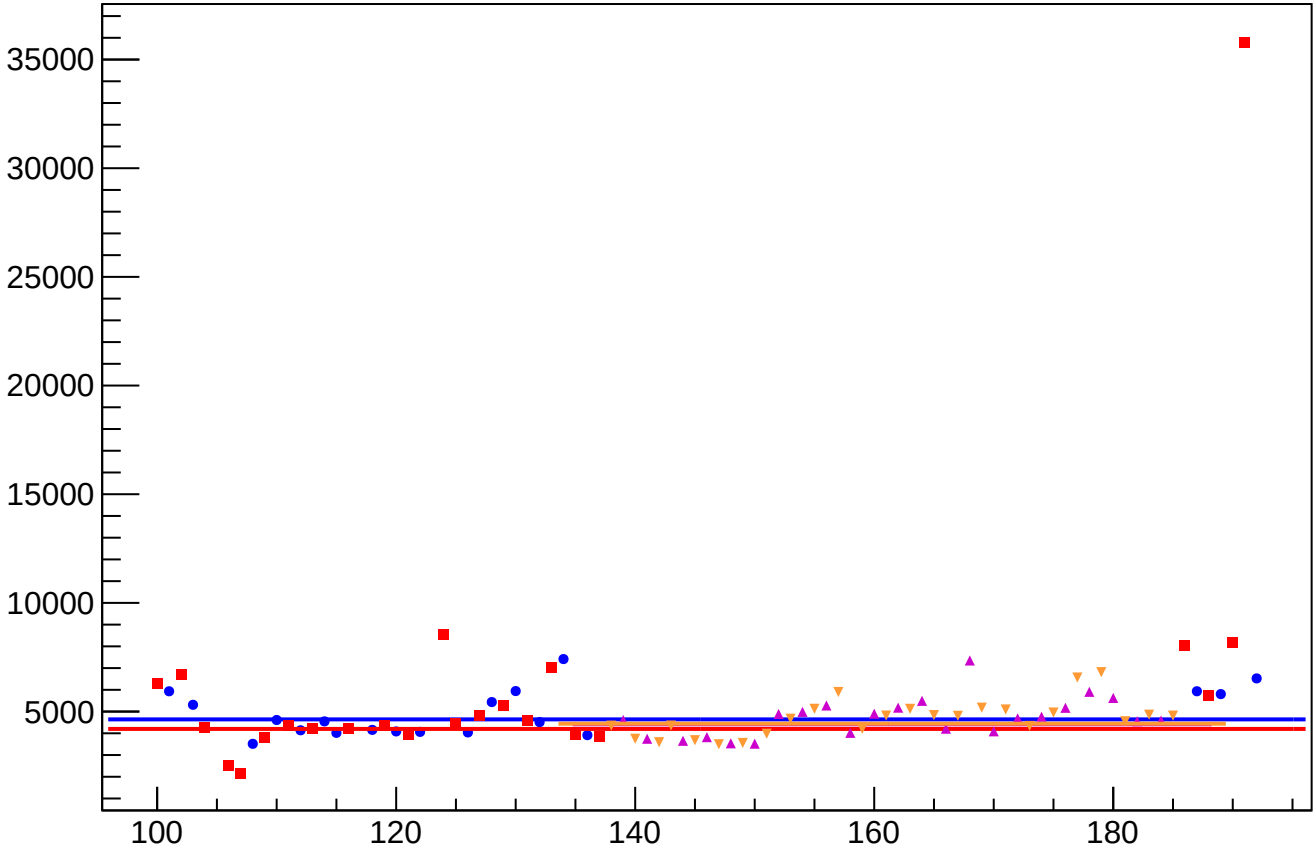
Right: -1695.528+/-1082.103 χ^2/NDF: 33.0/41

In: -864.655+/-875.904 χ^2/NDF:35.1/41

Out: -285.599+/-844.059 χ^2/NDF:41.8/47

All: -564.410+/-607.786 χ^2/NDF: 77.1/89

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4639.866+/-1.124 χ^2/NDF: 705854.9/18

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4200.814+/-1.035 χ^2/NDF: 1789772.0/22

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

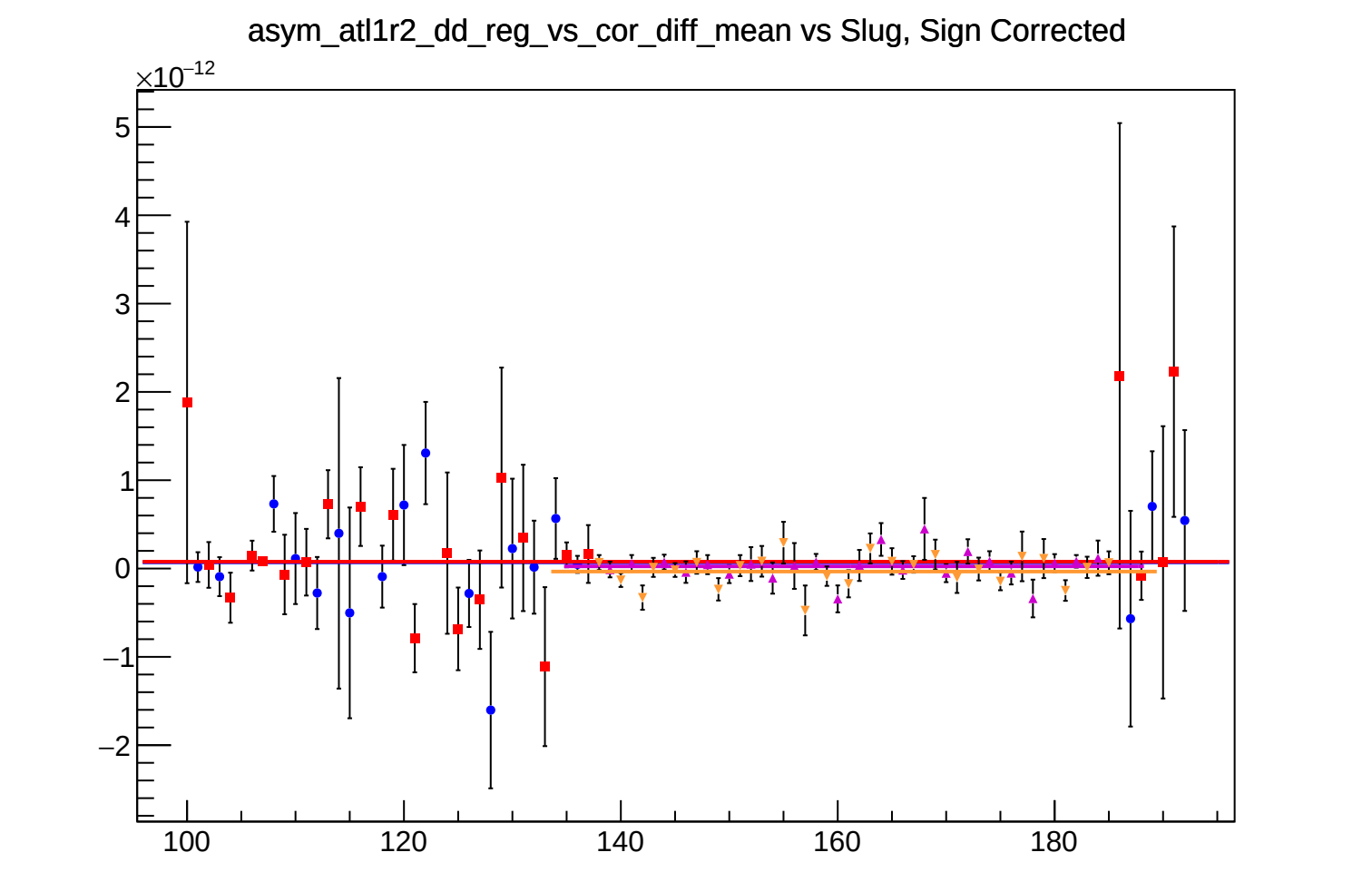
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

Right: 4402.336+/-0.761 χ^2/NDF: 2578191.4/41

In: 4483.546+/-0.619 χ^2/NDF:1845049.6/41

Out: 4361.509+/-0.595 χ^2/NDF:2898879.4/47

All: 4420.087+/-0.429 χ^2/NDF: 4764117.6/89



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/22

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

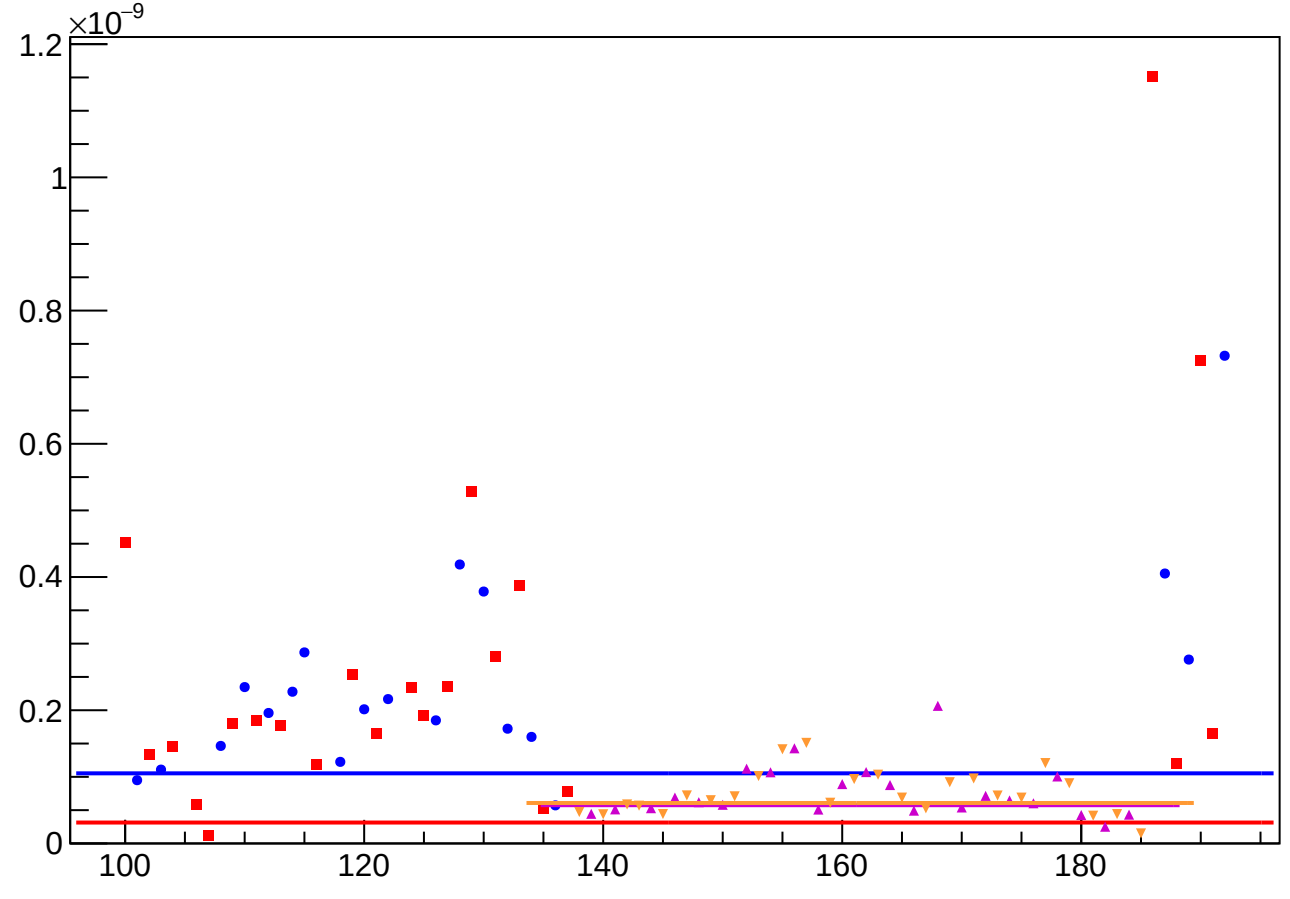
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 41.6/41

In: 0.000+/-0.000 χ^2/NDF:38.7/41

Out: 0.000+/-0.000 χ^2/NDF:58.5/47

All: 0.000+/-0.000 χ^2/NDF: 97.8/89



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: 5304664.2/22

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

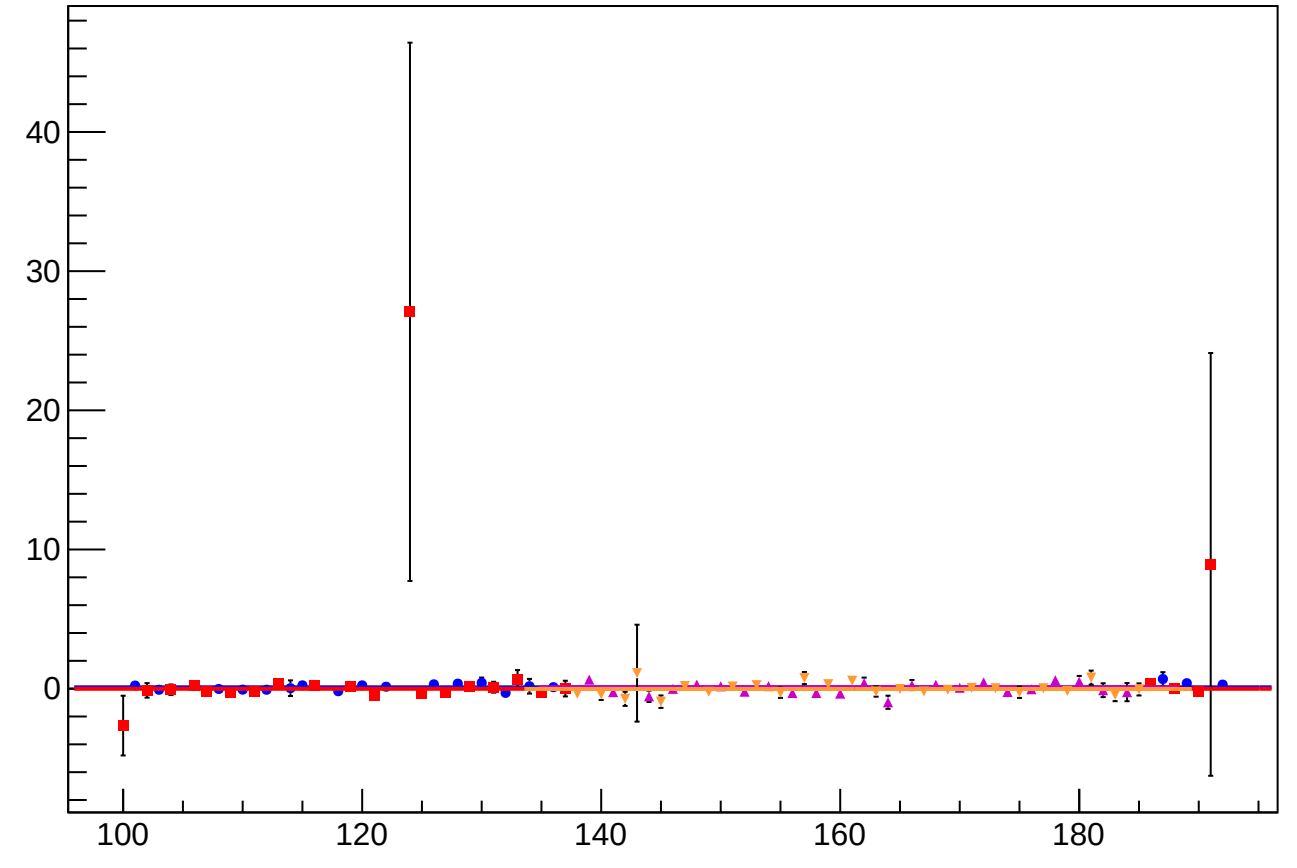
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 9838147.7/41

In: 0.000+/-0.000 χ^2/NDF:5364515.1/41

Out: 0.000+/-0.000 χ^2/NDF:8044166.6/47

All: 0.000+/-0.000 χ^2/NDF: 13763305.2/89



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: -0.010+/-0.053 χ^2/NDF: 24.7/22

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

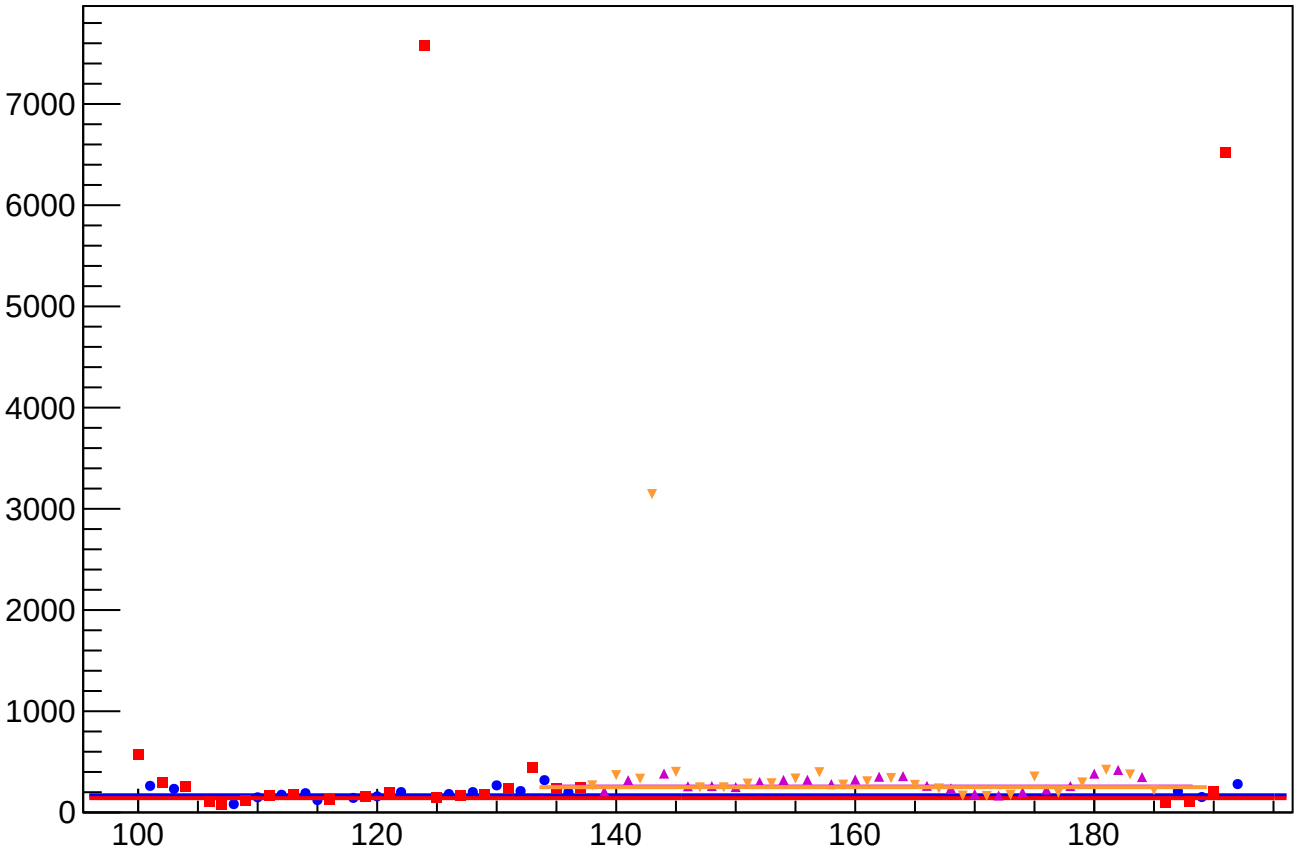
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.036+/-0.040 χ^2/NDF: 38.3/41

In: 0.096+/-0.044 χ^2/NDF:43.4/41

Out: -0.016+/-0.040 χ^2/NDF:48.3/47

All: 0.035+/-0.030 χ^2/NDF: 95.2/89



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: 141.298+/-0.038 χ^2/NDF: 2676569.7/22

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

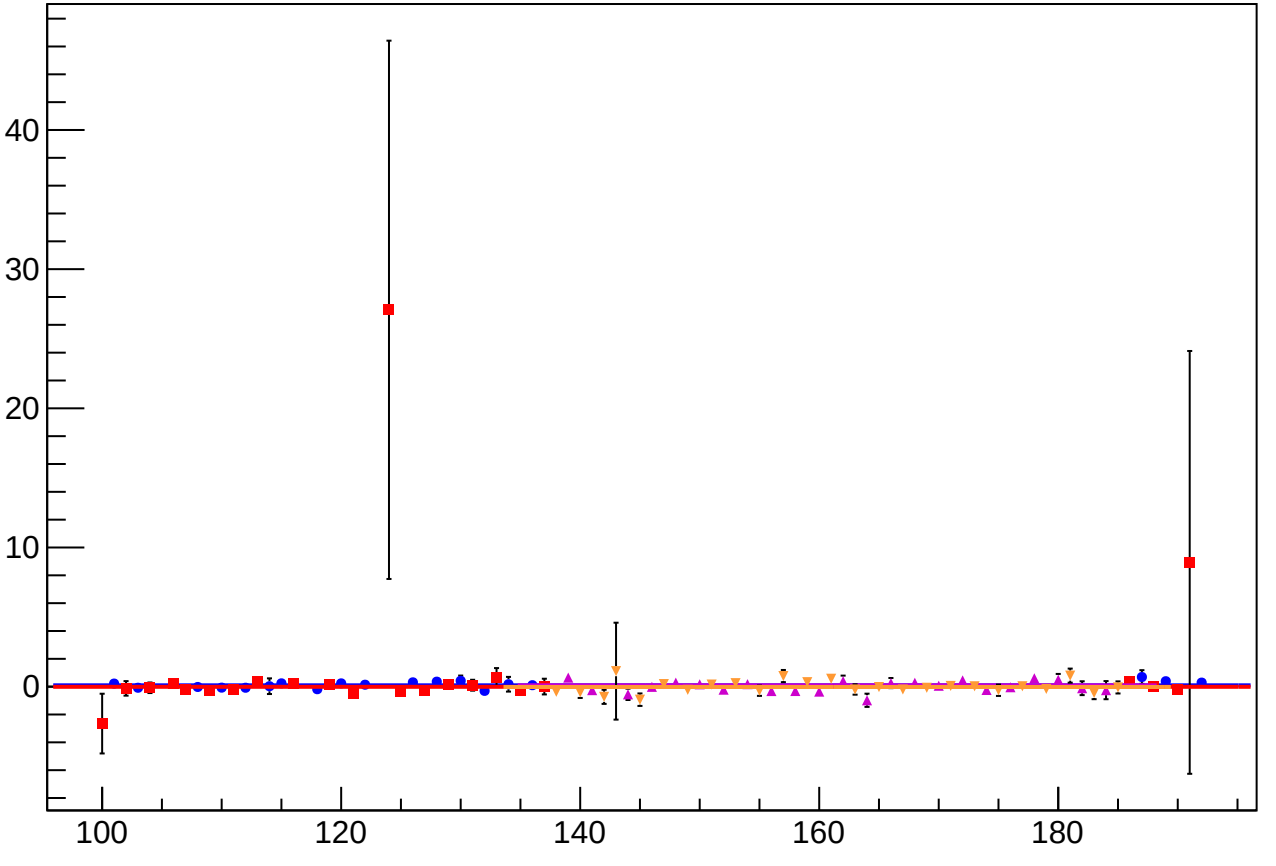
Right: 153.388+/-0.028 χ^2/NDF: 4715423.3/41

In: 211.489+/-0.031 χ^2/NDF:5798031.1/41

Out: 187.550+/-0.028 χ^2/NDF:10473216.2/47

All: 198.439+/-0.021 χ^2/NDF: 16593505.3/89

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: -0.010+/-0.053 χ^2/NDF: 24.7/22

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

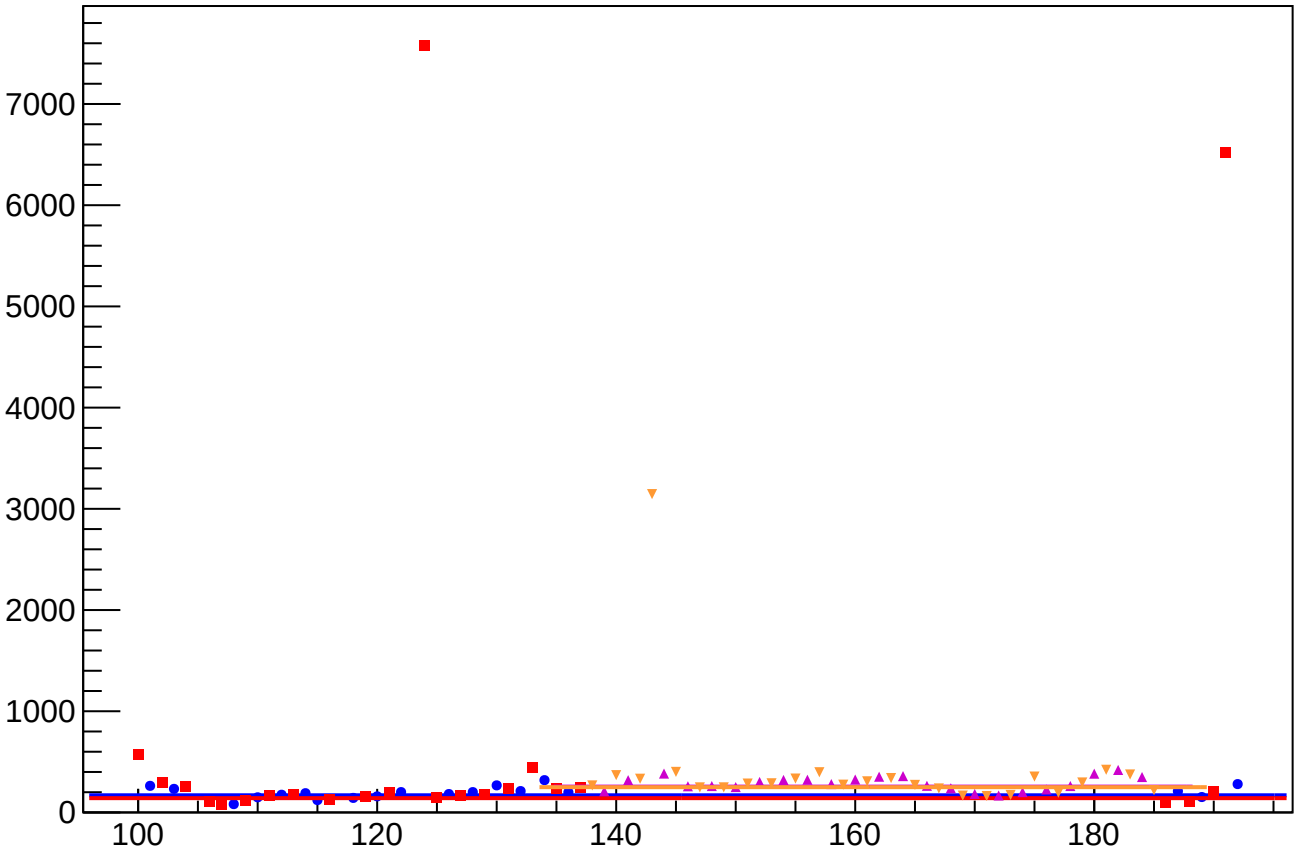
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.036+/-0.040 χ^2/NDF: 38.3/41

In: 0.096+/-0.044 χ^2/NDF:43.4/41

Out: -0.016+/-0.040 χ^2/NDF:48.3/47

All: 0.035+/-0.030 χ^2/NDF: 95.2/89



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: 141.298+/-0.038 χ^2/NDF: 2676569.7/22

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

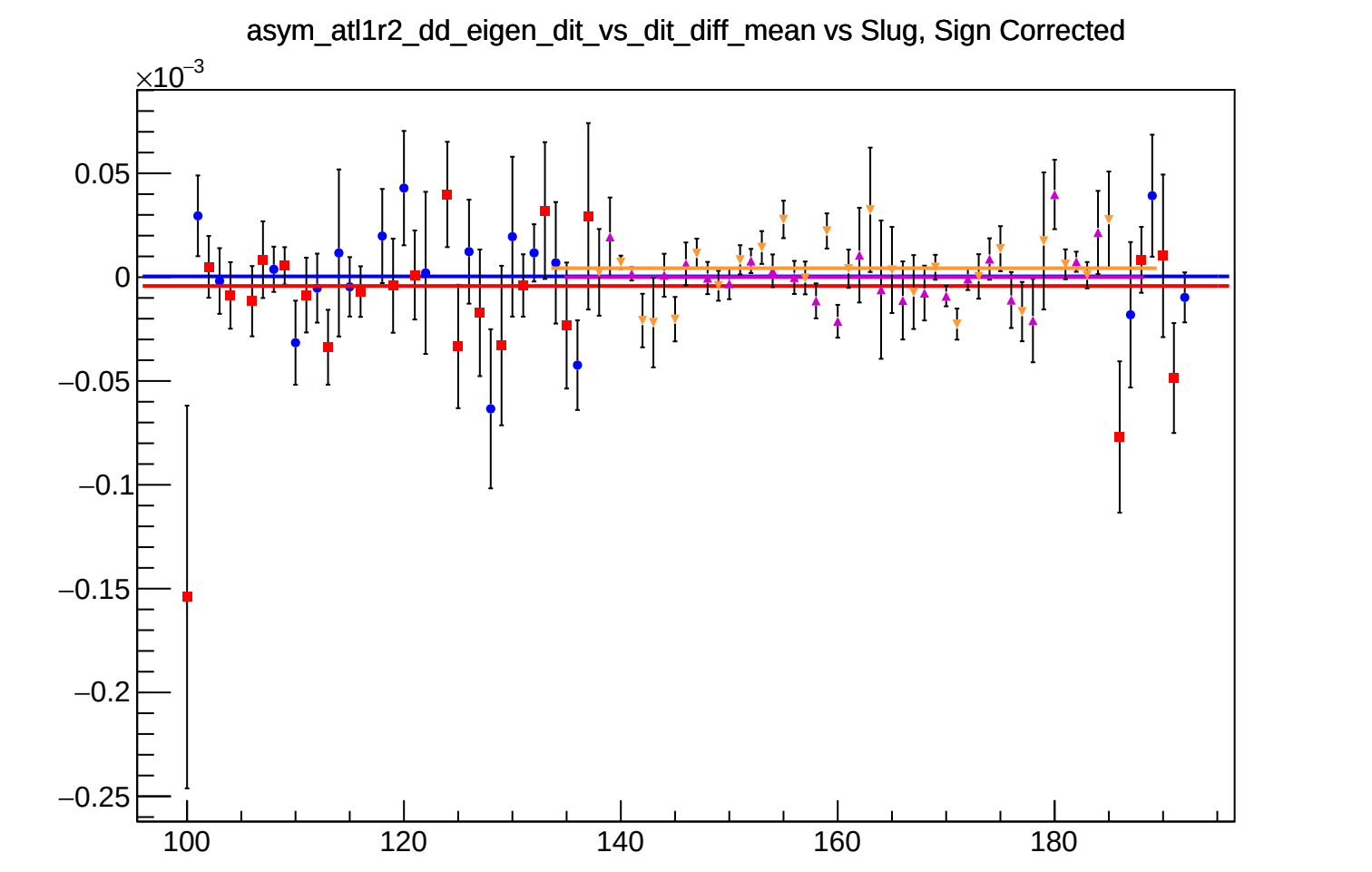
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 153.388+/-0.028 χ^2/NDF: 4715423.3/41

In: 211.489+/-0.031 χ^2/NDF:5798031.1/41

Out: 187.550+/-0.028 χ^2/NDF:10473216.2/47

All: 198.439+/-0.021 χ^2/NDF: 16593505.3/89



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: 22.2/22

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

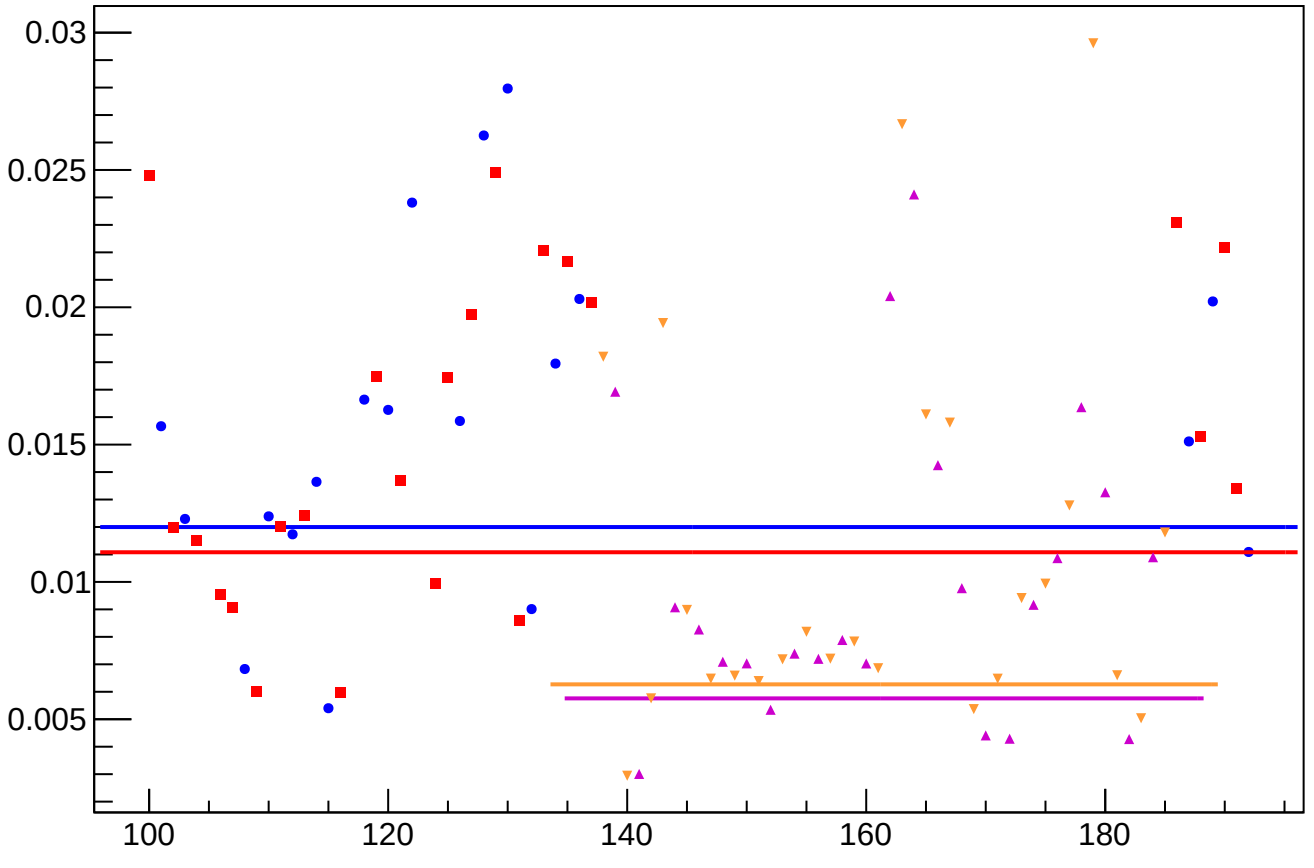
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

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

In: 0.000+/-0.000 χ^2/NDF:47.9/41

Out: 0.000+/-0.000 χ^2/NDF:72.2/47

All: 0.000+/-0.000 χ^2/NDF: 122.1/89



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: 2937938.8/22

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

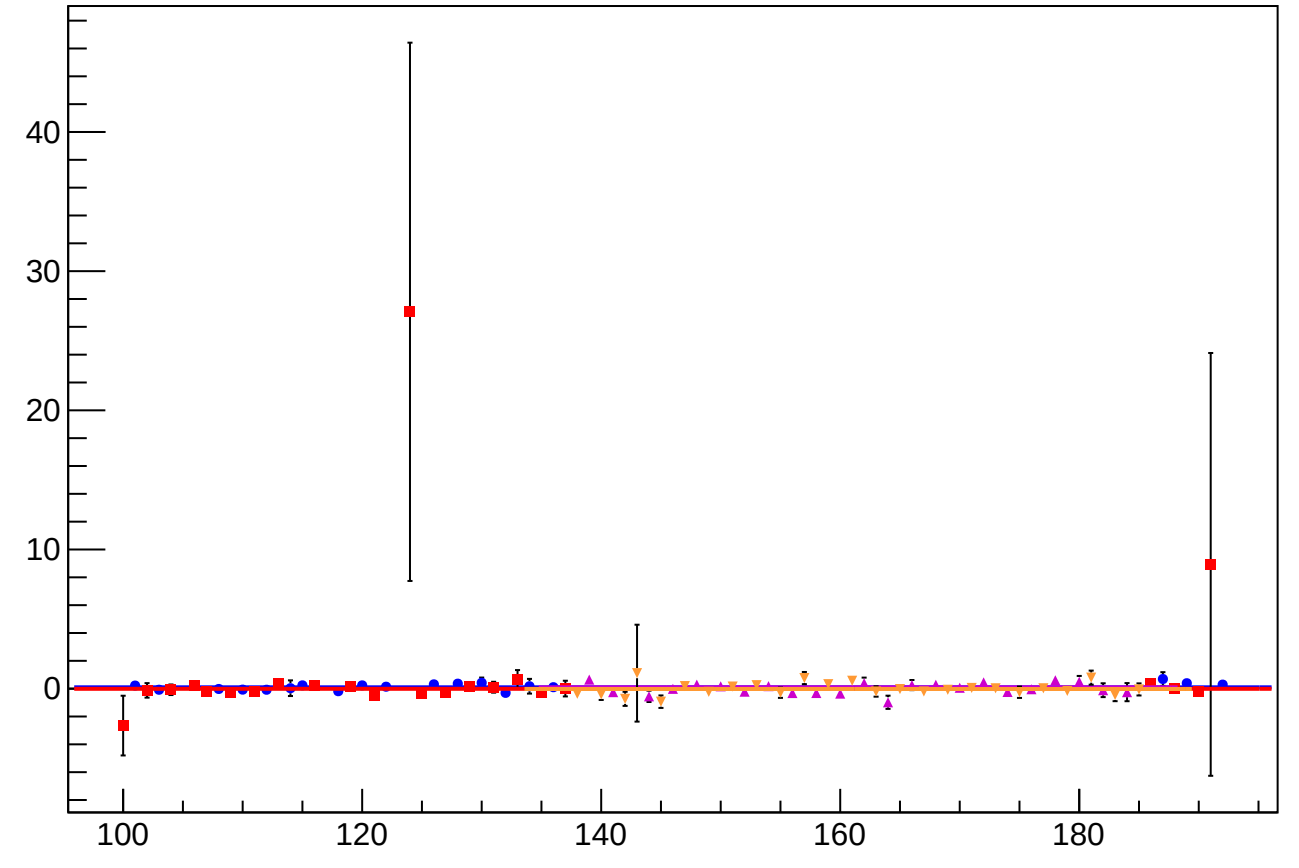
Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

Right: 0.011+/-0.000 χ^2/NDF: 5577623.5/41

In: 0.006+/-0.000 χ^2/NDF:13193468.3/41

Out: 0.007+/-0.000 χ^2/NDF:13318374.6/47

All: 0.007+/-0.000 χ^2/NDF: 26624470.5/89



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: -0.010+/-0.053 χ^2/NDF: 24.7/22

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

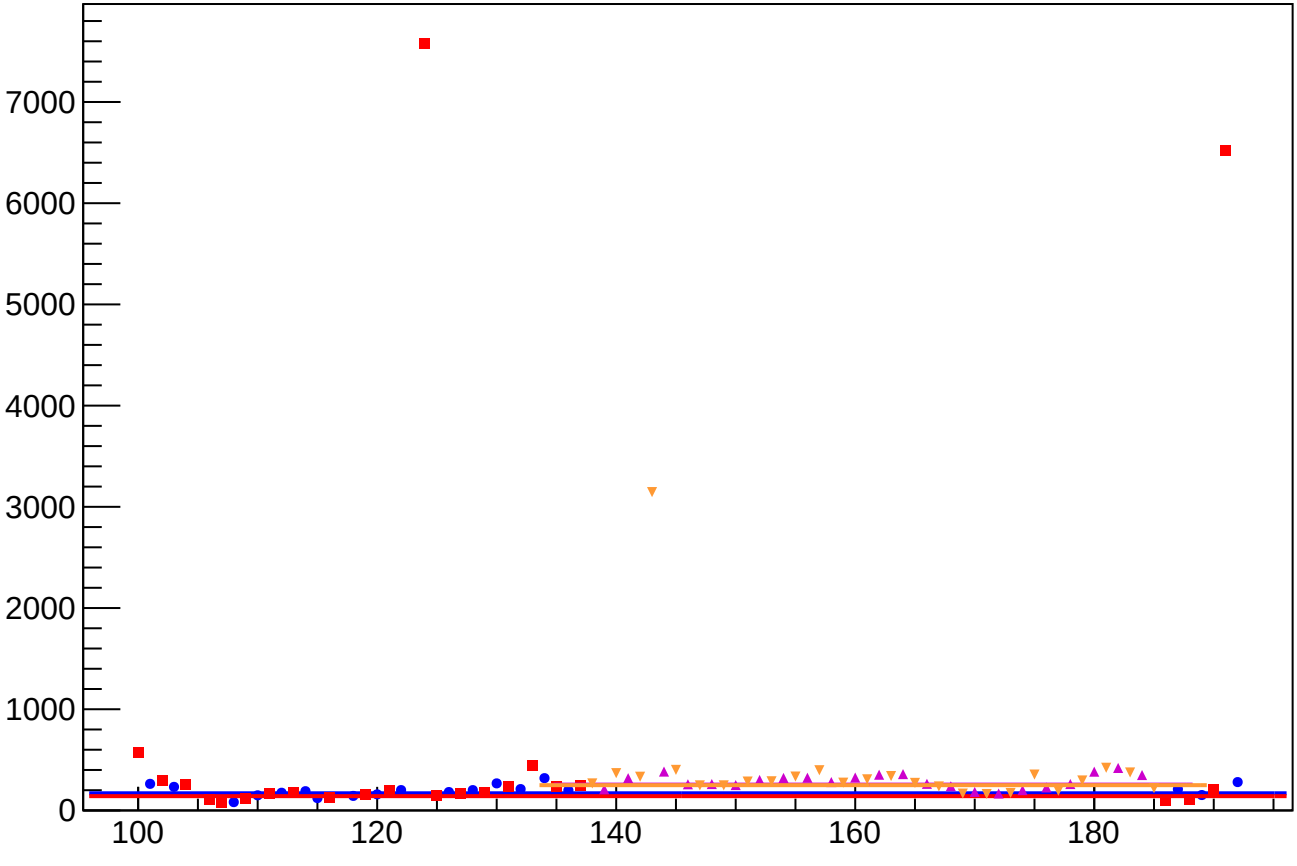
Right: 0.036+/-0.040 χ^2/NDF: 38.3/41

In: 0.096+/-0.044 χ^2/NDF:43.4/41

Out: -0.016+/-0.040 χ^2/NDF:48.3/47

All: 0.035+/-0.030 χ^2/NDF: 95.2/89

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: 141.300+/-0.038 χ^2/NDF: 2676462.6/22

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

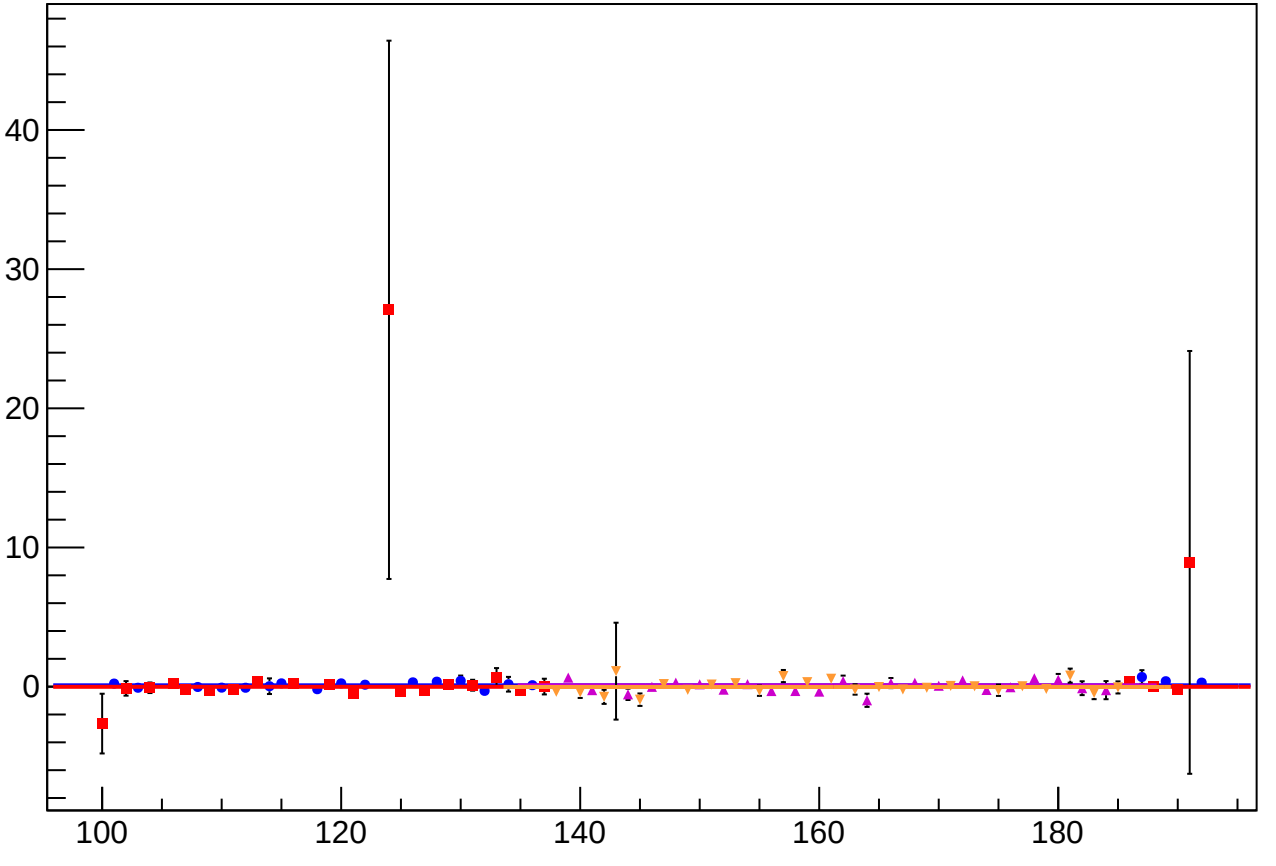
Right: 153.389+/-0.028 χ^2/NDF: 4715240.3/41

In: 211.489+/-0.031 χ^2/NDF:5798254.7/41

Out: 187.552+/-0.028 χ^2/NDF:10473103.5/47

All: 198.440+/-0.021 χ^2/NDF: 16593535.4/89

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: -0.010+/-0.053 χ^2/NDF: 24.7/22

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

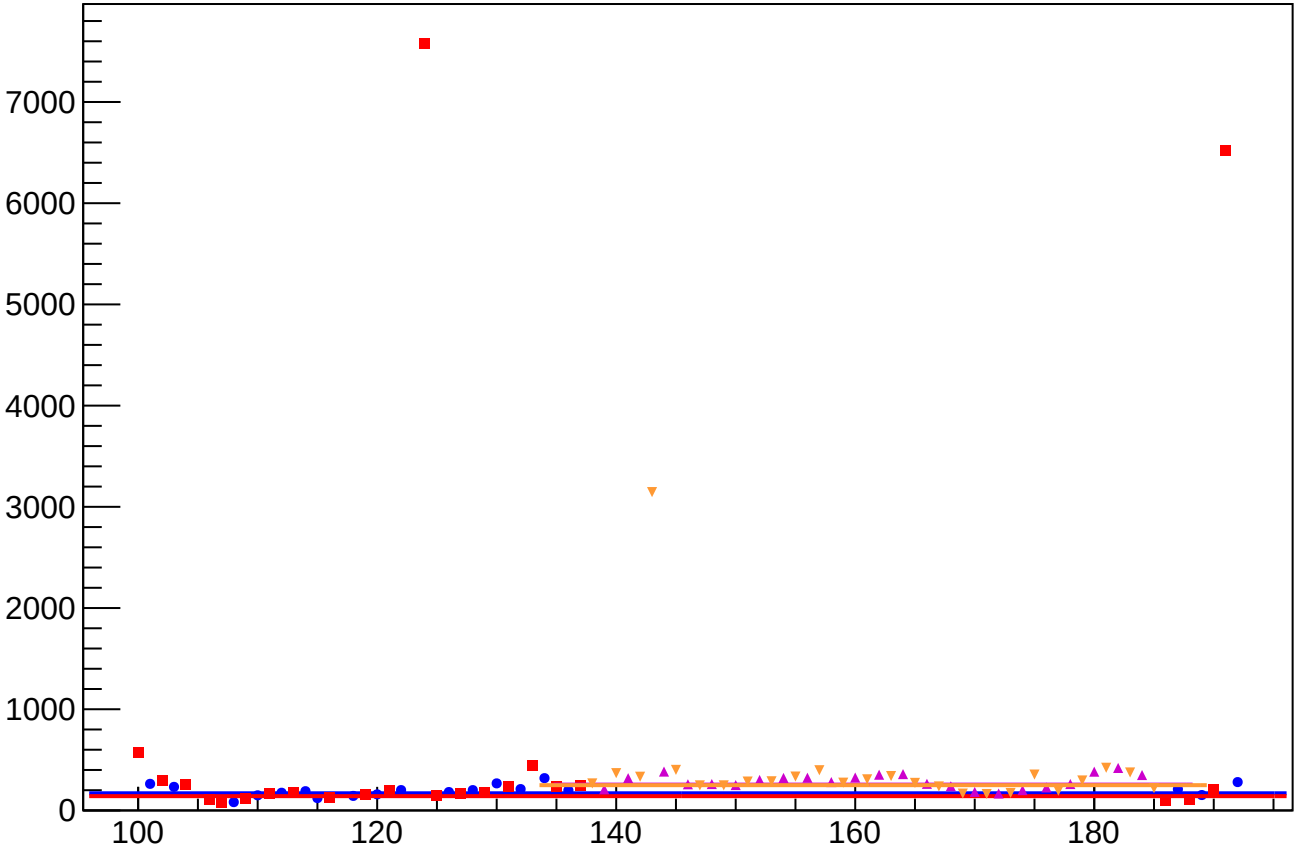
Right: 0.036+/-0.040 χ^2/NDF: 38.3/41

In: 0.096+/-0.044 χ^2/NDF:43.4/41

Out: -0.016+/-0.040 χ^2/NDF:48.3/47

All: 0.035+/-0.030 χ^2/NDF: 95.2/89

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: 141.300+/-0.038 χ^2/NDF: 2676462.6/22

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

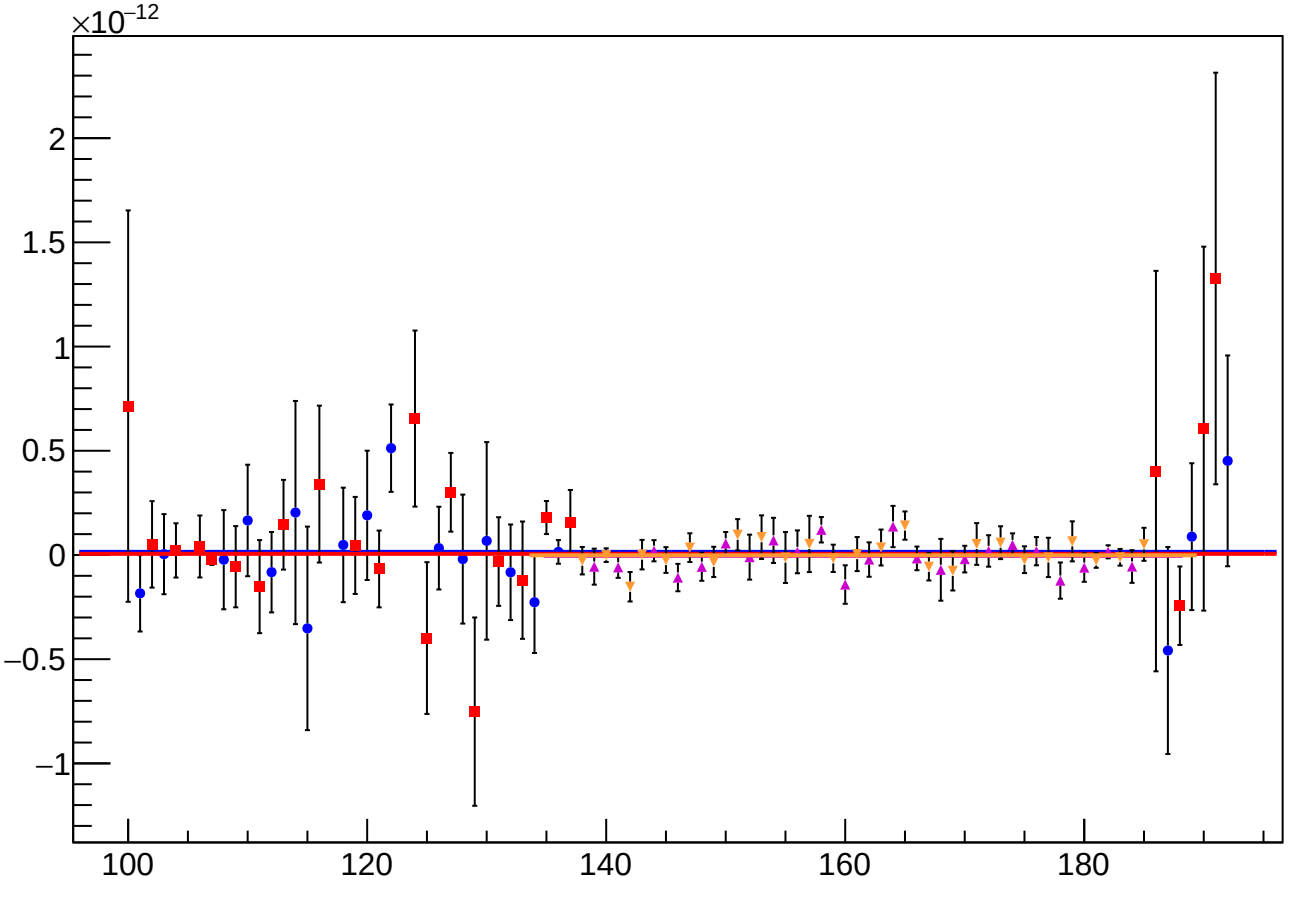
Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

Right: 153.389+/-0.028 χ^2/NDF: 4715240.3/41

In: 211.489+/-0.031 χ^2/NDF:5798254.7/41

Out: 187.552+/-0.028 χ^2/NDF:10473103.5/47

All: 198.440+/-0.021 χ^2/NDF: 16593535.4/89



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: 22.5/22

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

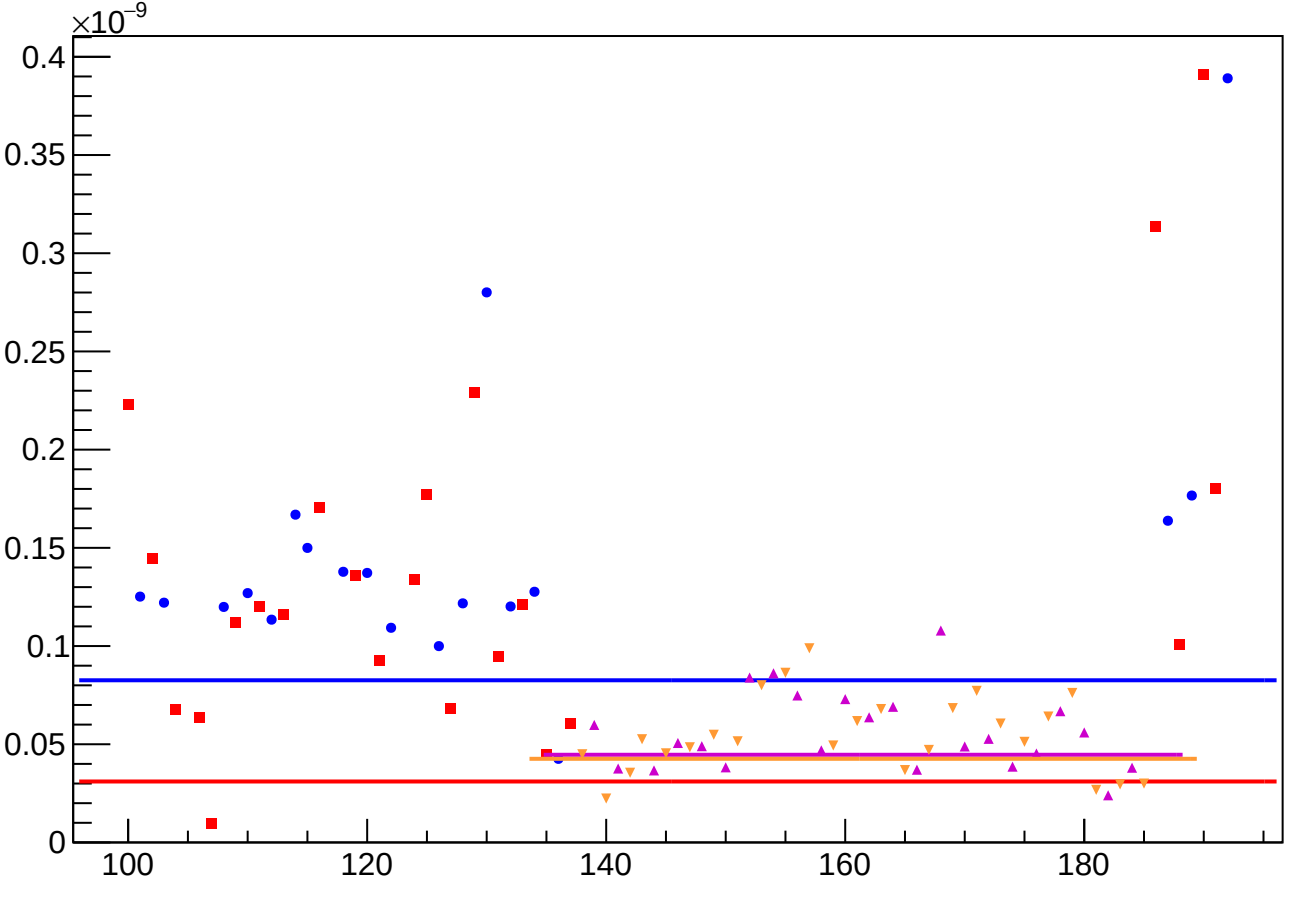
Right: 0.000+/-0.000 χ^2/NDF: 33.9/41

In: -0.000+/-0.000 χ^2/NDF:31.4/41

Out: 0.000+/-0.000 χ^2/NDF:39.0/47

All: -0.000+/-0.000 χ^2/NDF: 70.4/89

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 6326886.5/22

Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

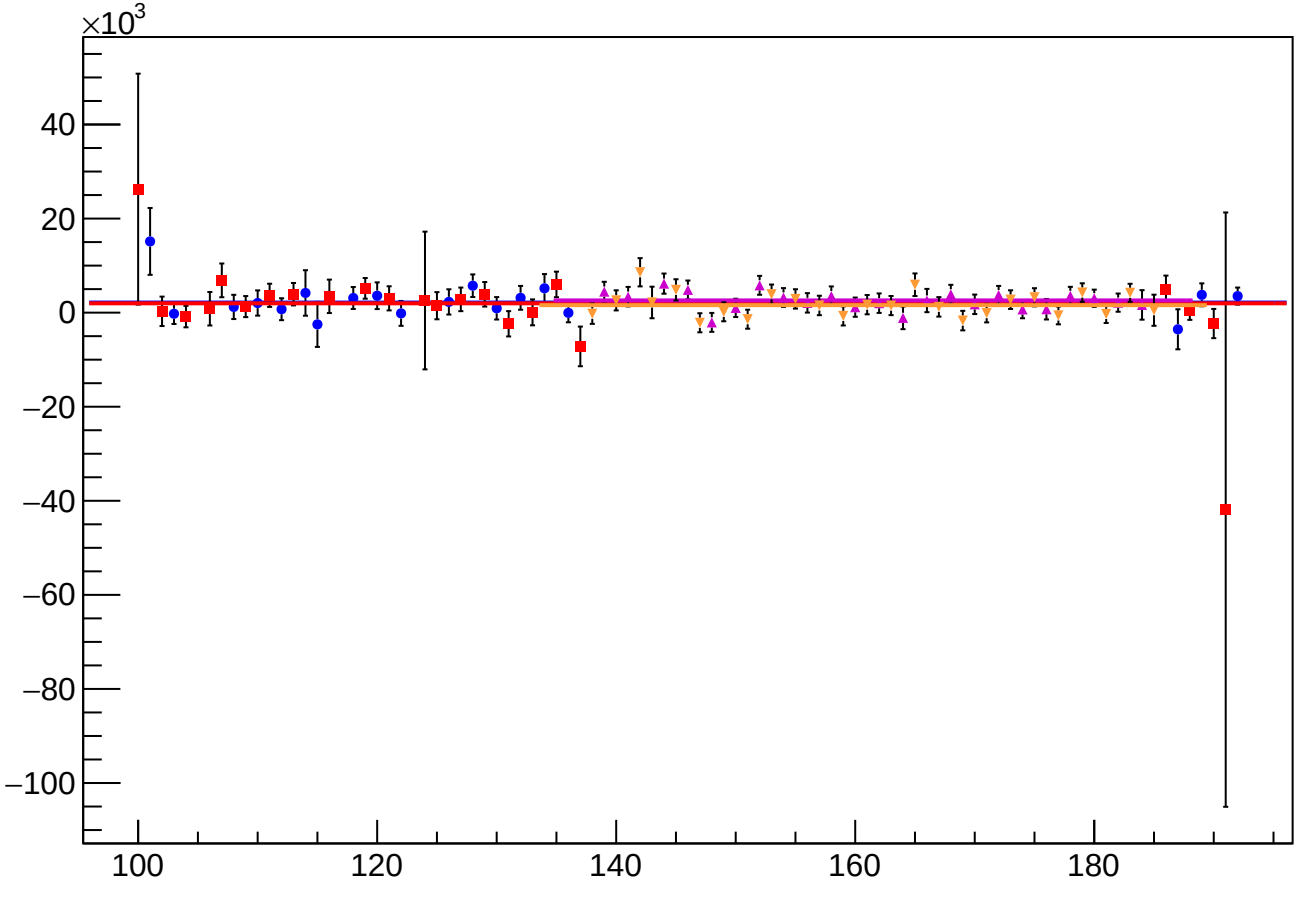
Left: 0.000+/-0.000 χ^2/NDF: 6543796.8/47

Right: 0.000+/-0.000 χ^2/NDF: 11723485.9/41

In: 0.000+/-0.000 χ^2/NDF:7412868.9/41

Out: 0.000+/-0.000 χ^2/NDF:10365326.7/47

All: 0.000+/-0.000 χ^2/NDF: 18269625.2/89



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: 1982.515+/-597.626 χ^2/NDF: 23.1/22

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

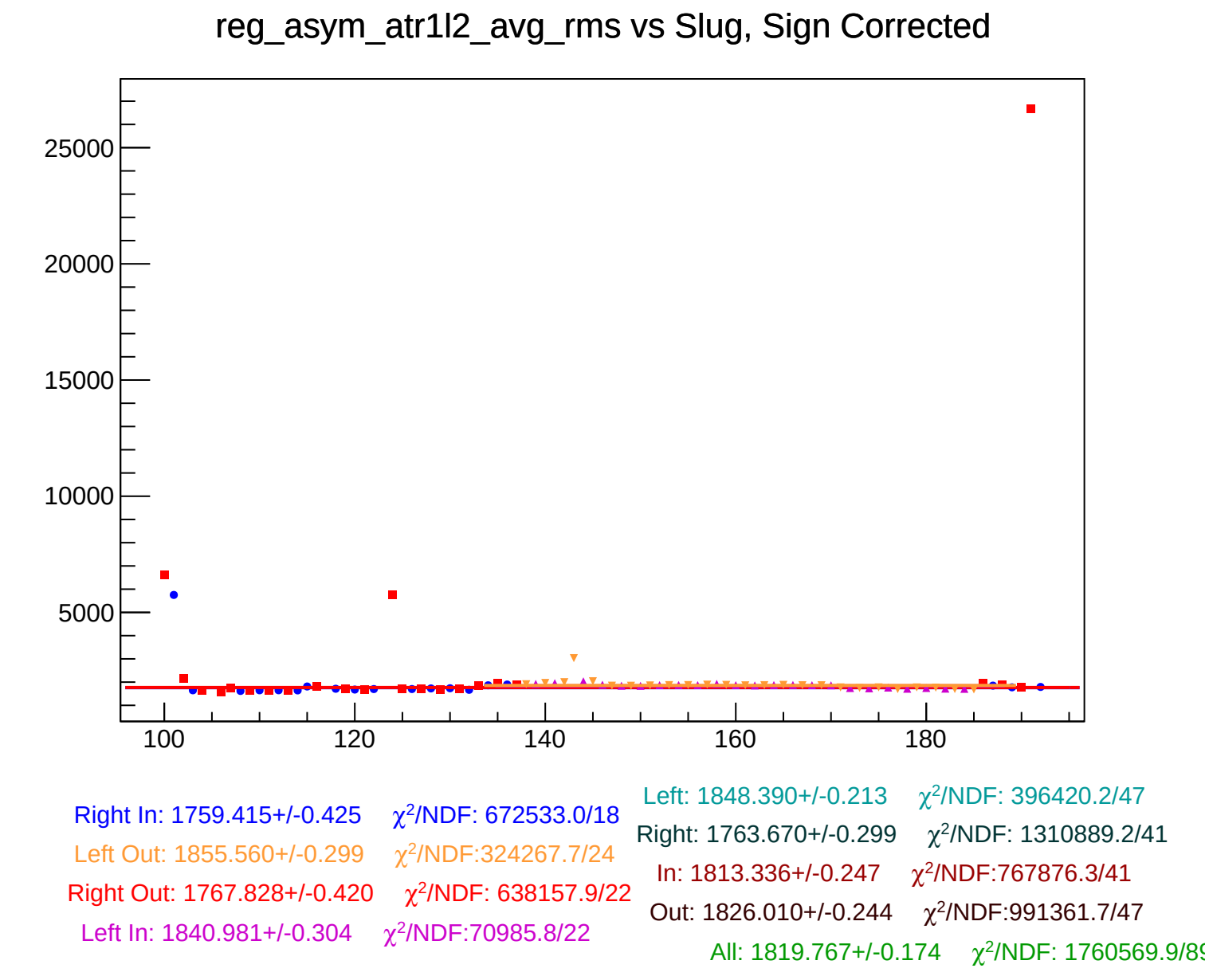
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2063.006+/-423.754 χ^2/NDF: 38.1/41

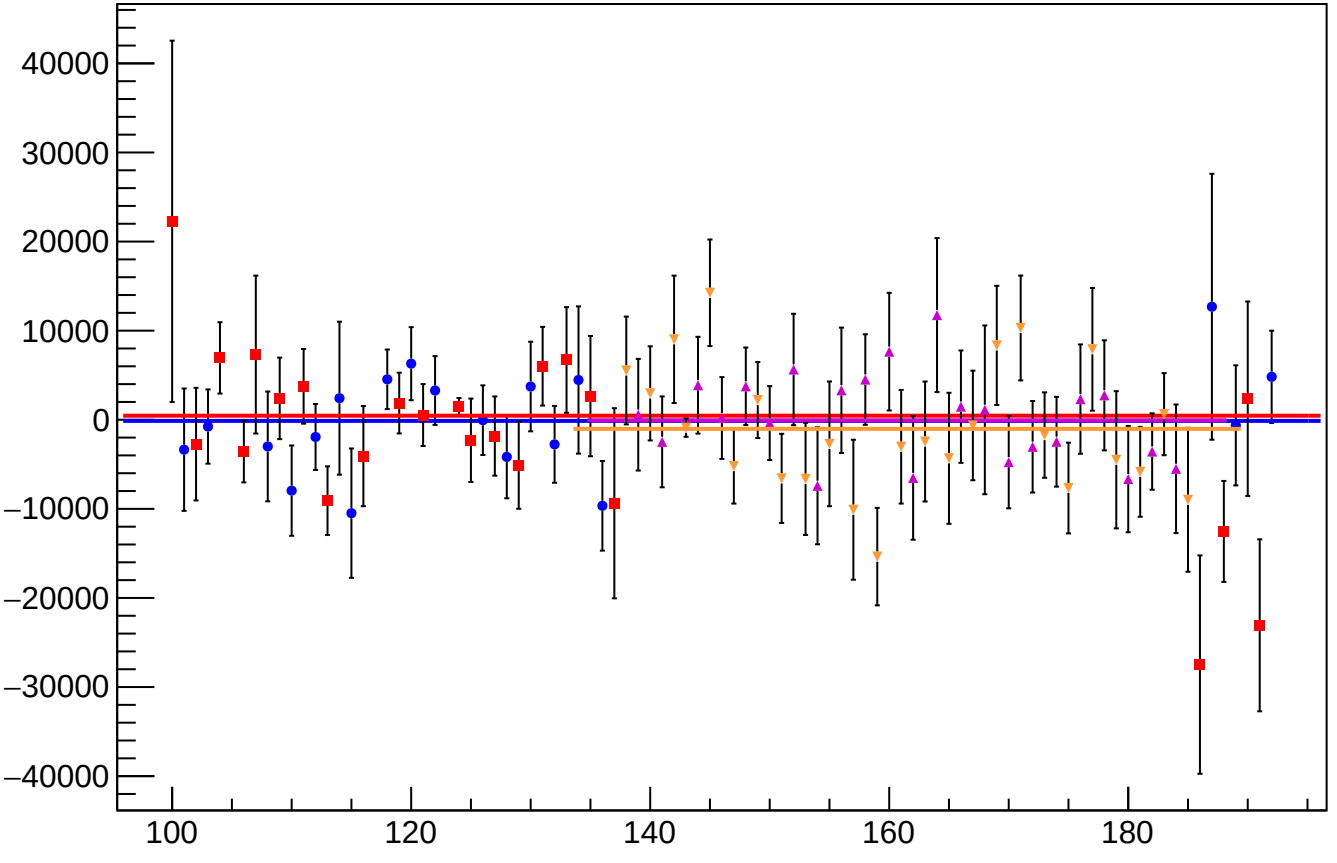
In: 2444.088+/-349.856 χ^2/NDF:35.5/41

Out: 1722.774+/-345.427 χ^2/NDF:54.6/47

All: 2078.837+/-245.805 χ^2/NDF: 92.2/89


reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
Right In: 1759.415+/-0.425 χ²/NDF: 672533.0/18
Left Out: 1855.560+/-0.299 χ²/NDF:324267.7/24
Right Out: 1767.828+/-0.420 χ²/NDF: 638157.9/22
Left In: 1840.981+/-0.304 χ²/NDF:70985.8/22
Left: 1848.390+/-0.213 χ²/NDF: 396420.2/47
Right: 1763.670+/-0.299 χ²/NDF: 1310889.2/41
In: 1813.336+/-0.247 χ²/NDF:767876.3/41
Out: 1826.010+/-0.244 χ²/NDF:991361.7/47
All: 1819.767+/-0.174 χ²/NDF: 1760569.9/89

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



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: 456.642+/-715.096 χ^2/NDF: 36.9/22

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

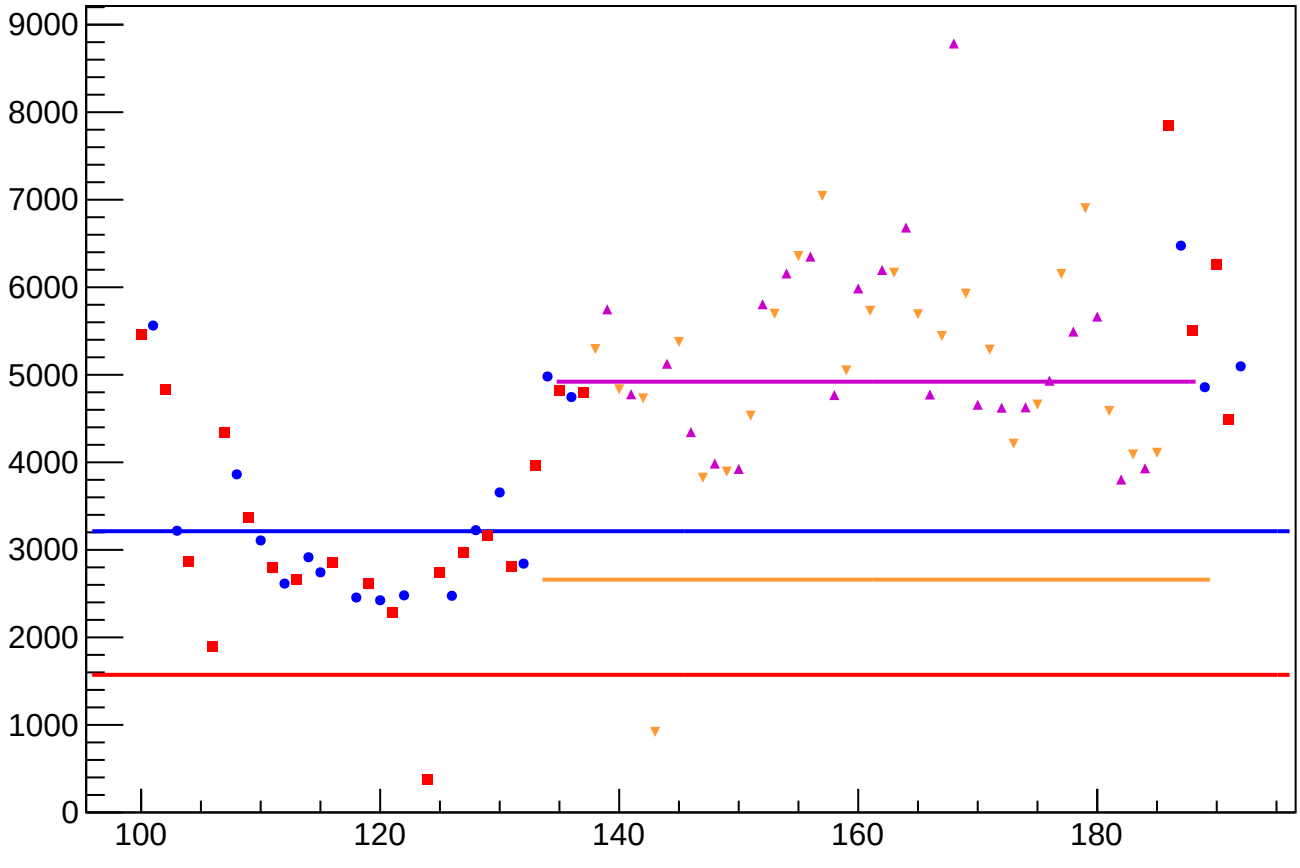
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 289.292+/-603.639 χ^2/NDF: 54.7/41

In: -95.280+/-812.423 χ^2/NDF:30.7/41

Out: -224.907+/-524.556 χ^2/NDF:72.6/47

All: -186.767+/-440.681 χ^2/NDF: 103.3/89



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: 1572.229+/-0.506 χ^2/NDF: 8884066.6/22

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

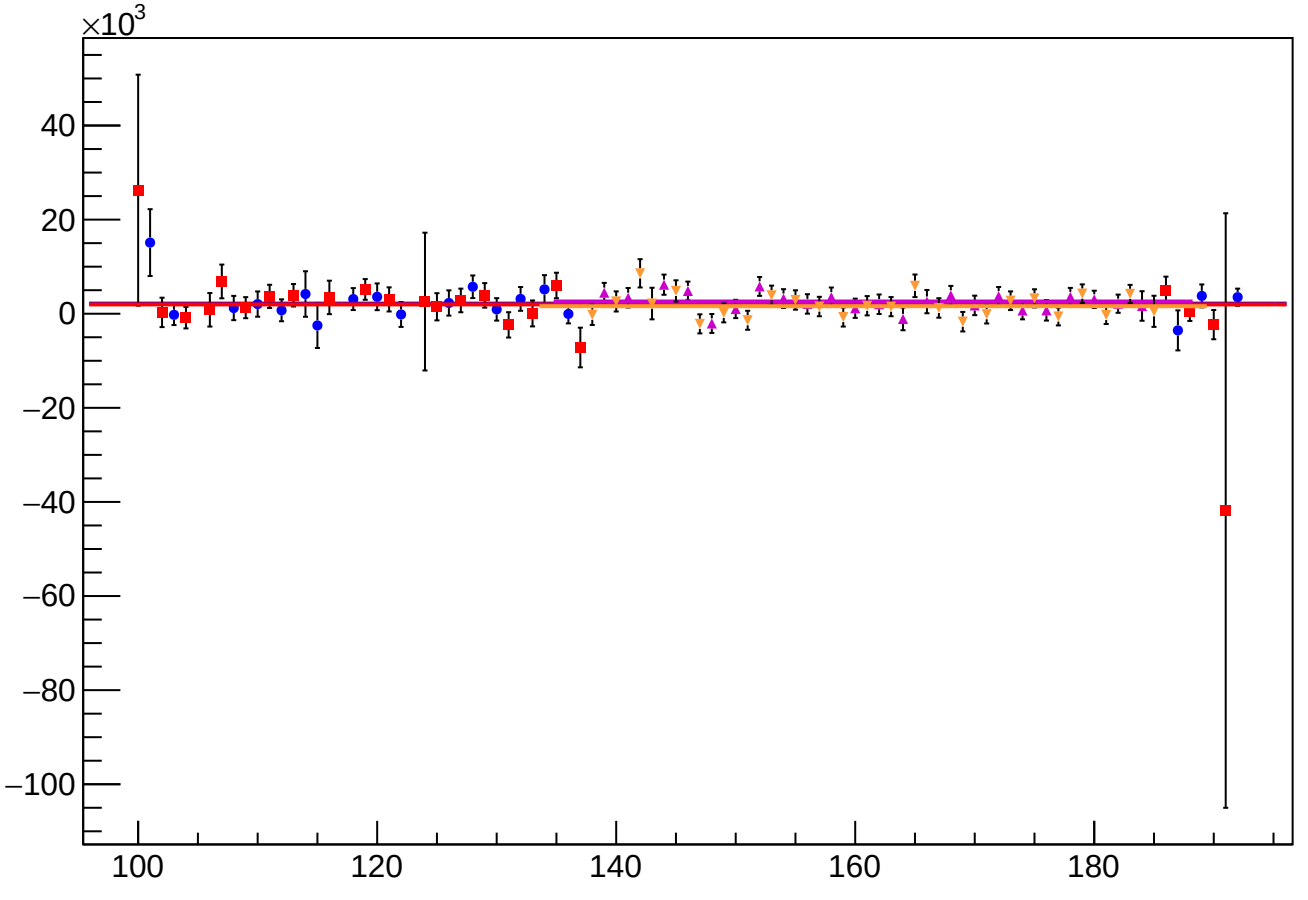
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2043.861+/-0.427 χ^2/NDF: 13338268.1/41

In: 4031.913+/-0.574 χ^2/NDF:4885449.2/41

Out: 2074.685+/-0.371 χ^2/NDF:25557807.9/47

All: 2650.557+/-0.312 χ^2/NDF: 38635686.6/8



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: 1982.567+/-597.626 χ^2/NDF: 23.0/22

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

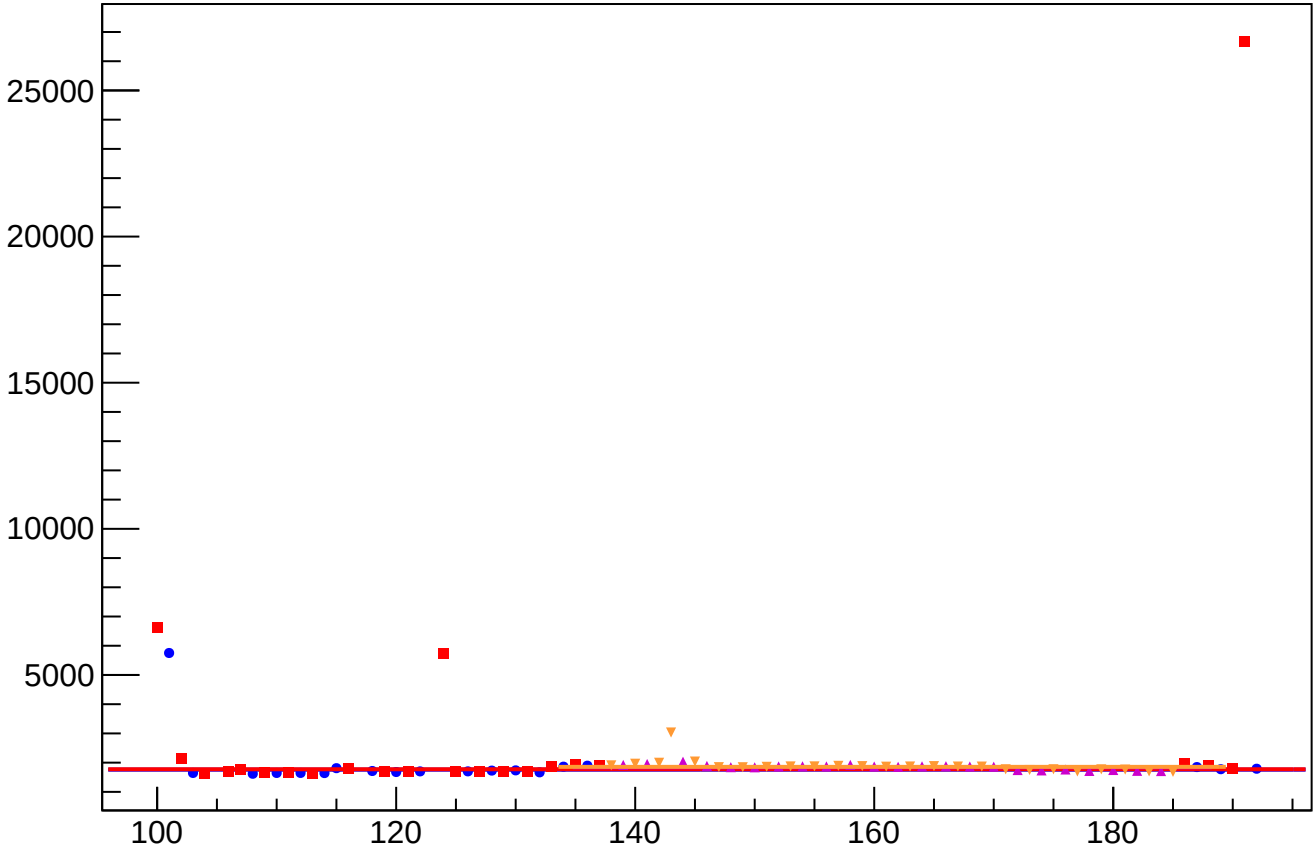
Right: 2062.897+/-423.754 χ^2/NDF: 38.1/41

In: 2444.043+/-349.856 χ^2/NDF:35.4/41

Out: 1722.769+/-345.427 χ^2/NDF:54.6/47

All: 2078.812+/-245.805 χ^2/NDF: 92.2/89

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: 1773.581+/-0.421 χ^2/NDF: 629734.5/22

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

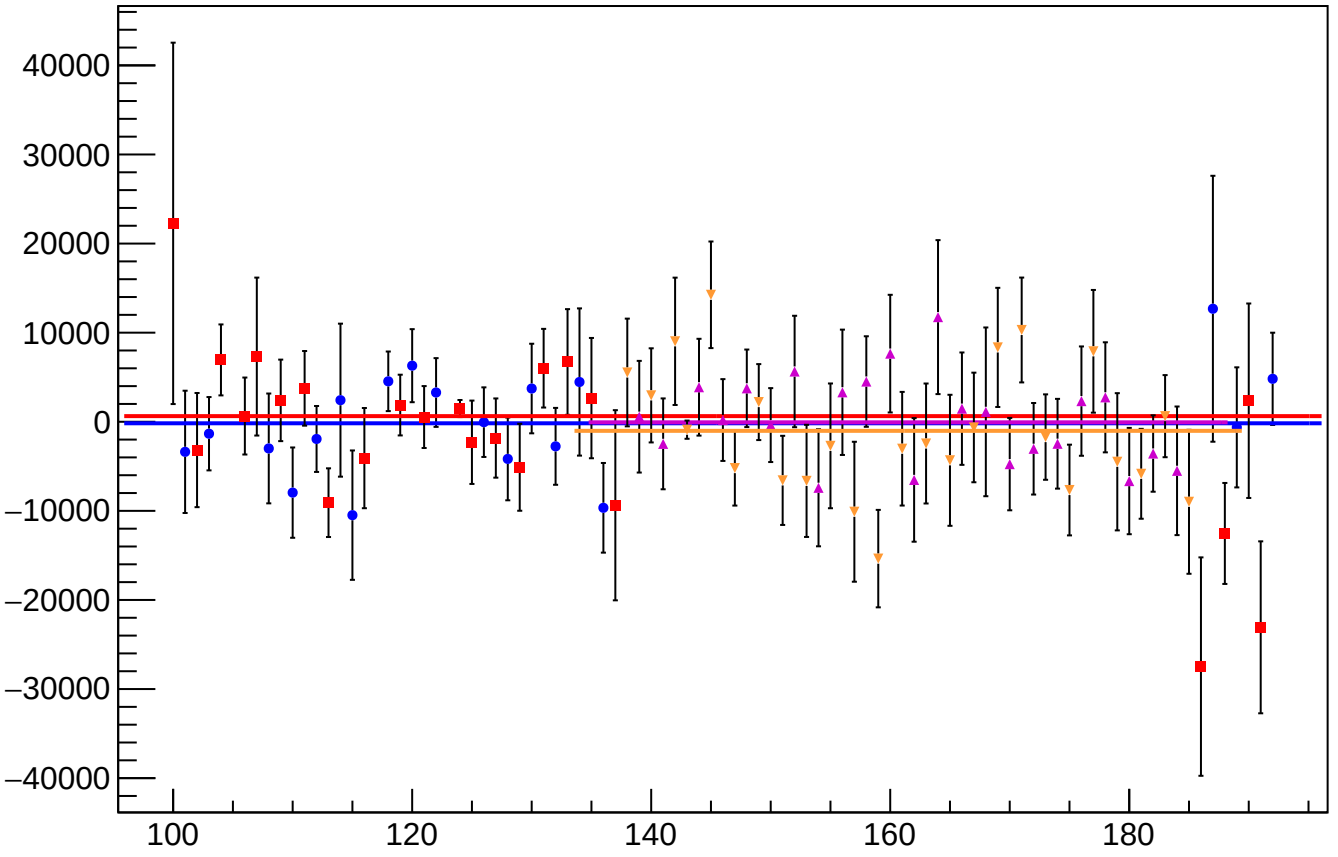
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1766.559+/-0.299 χ^2/NDF: 1302828.3/41

In: 1813.336+/-0.247 χ^2/NDF:767876.7/41

Out: 1828.058+/-0.244 χ^2/NDF:979166.6/47

All: 1820.799+/-0.174 χ^2/NDF: 1748838.6/89



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: 633.034+/-720.568 χ^2/NDF: 35.6/22

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

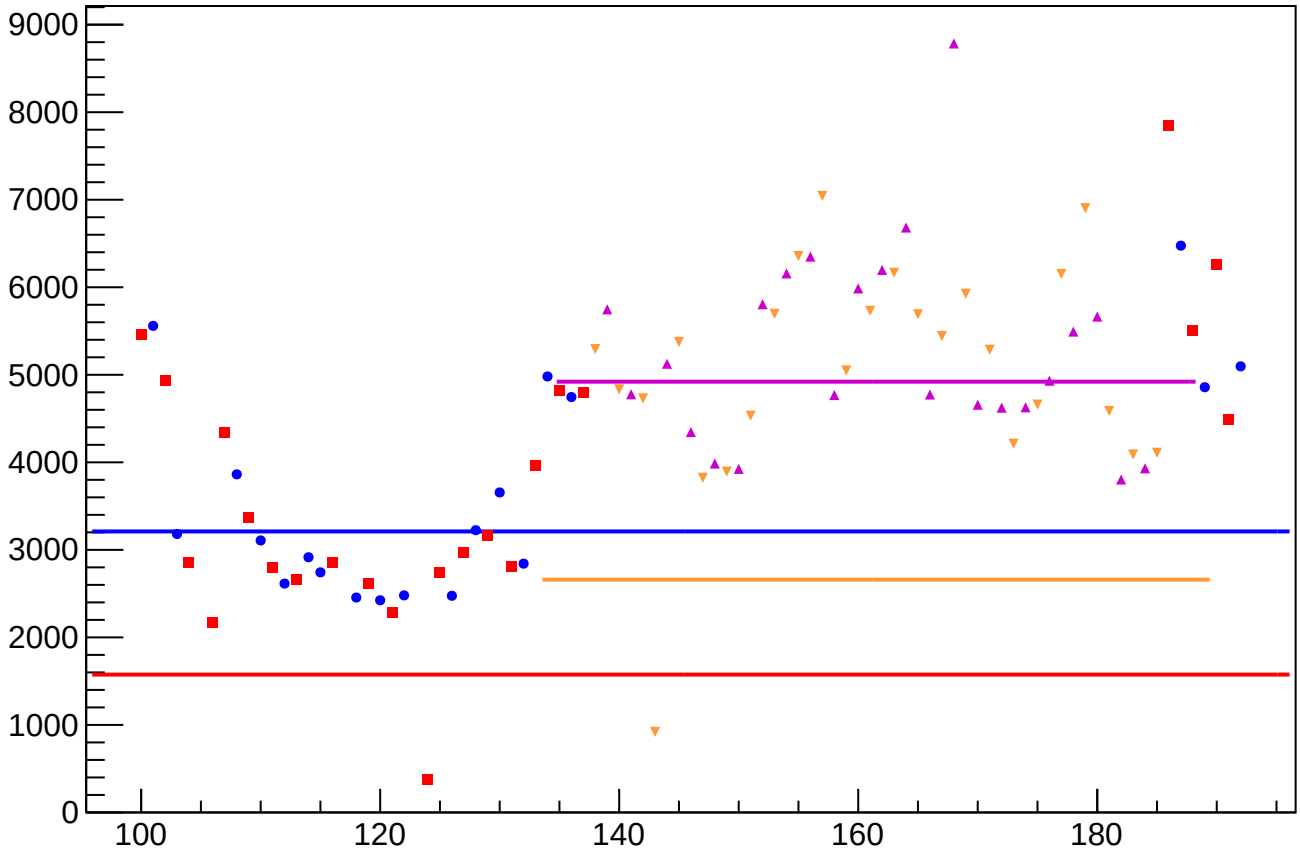
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 399.126+/-606.752 χ^2/NDF: 53.6/41

In: -118.885+/-812.023 χ^2/NDF:30.8/41

Out: -136.203+/-526.699 χ^2/NDF:71.7/47

All: -131.075+/-441.885 χ^2/NDF: 102.5/89



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: 1575.099+/-0.510 χ^2/NDF: 8921045.0/22

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

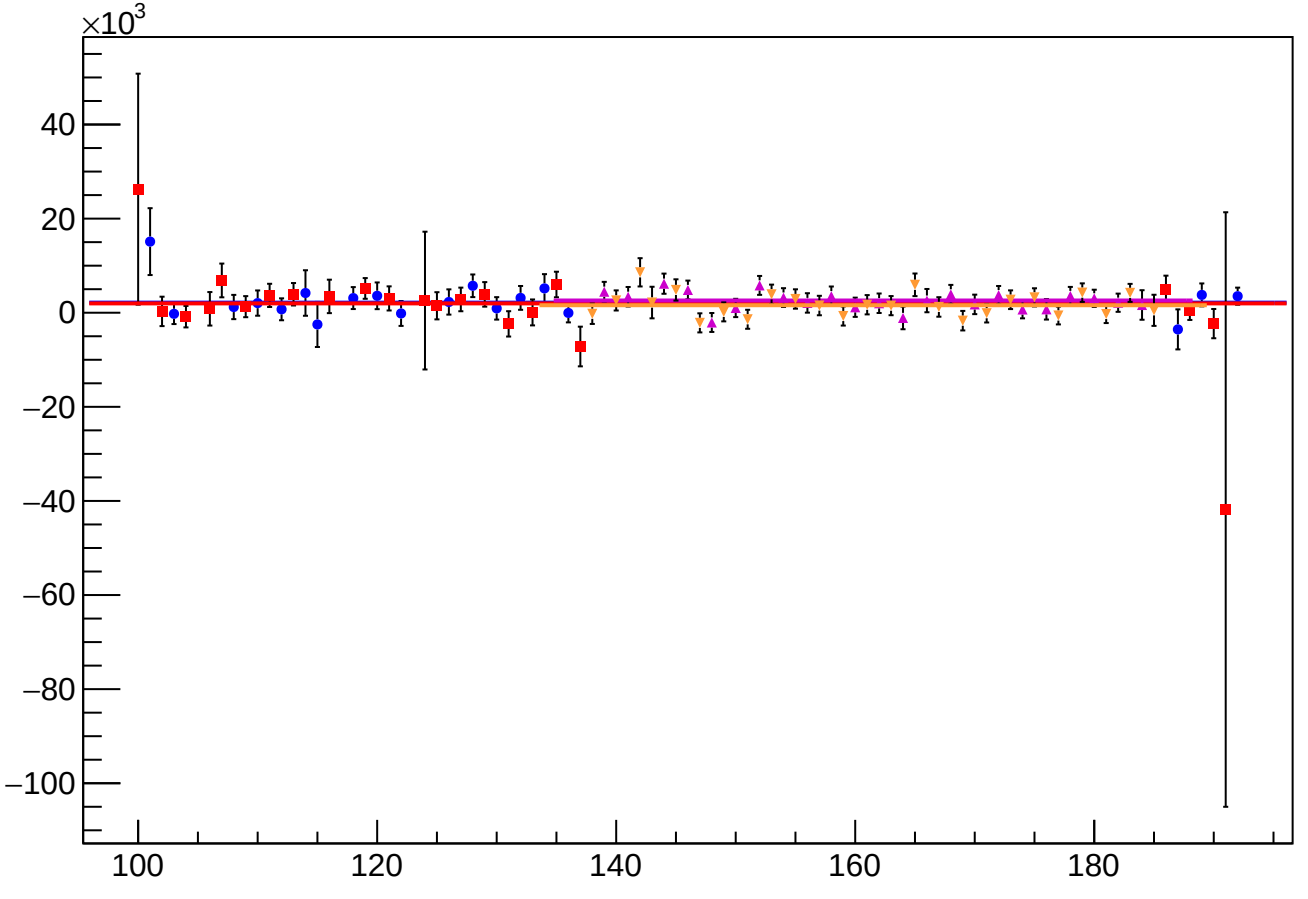
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2050.876+/-0.429 χ^2/NDF: 13344998.9/41

In: 4029.672+/-0.574 χ^2/NDF:4894212.4/41

Out: 2080.307+/-0.372 χ^2/NDF:25568931.3/47

All: 2657.571+/-0.312 χ^2/NDF: 38575987.3/8



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: 1982.567+/-597.626 χ^2/NDF: 23.0/22

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

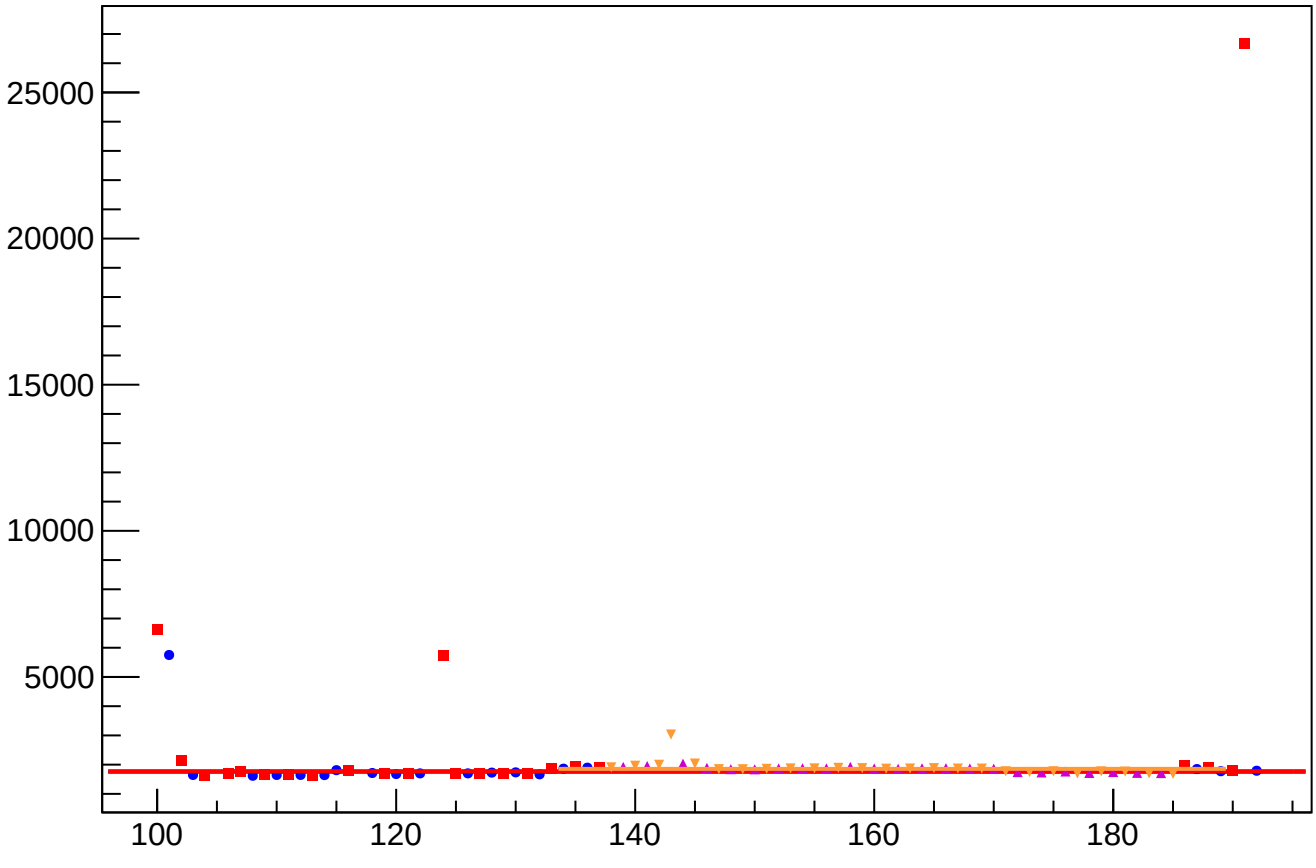
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2062.897+/-423.754 χ^2/NDF: 38.1/41

In: 2444.043+/-349.856 χ^2/NDF:35.4/41

Out: 1722.769+/-345.427 χ^2/NDF:54.6/47

All: 2078.812+/-245.805 χ^2/NDF: 92.2/89



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: 1773.581+/-0.421 χ^2/NDF: 629734.5/22

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

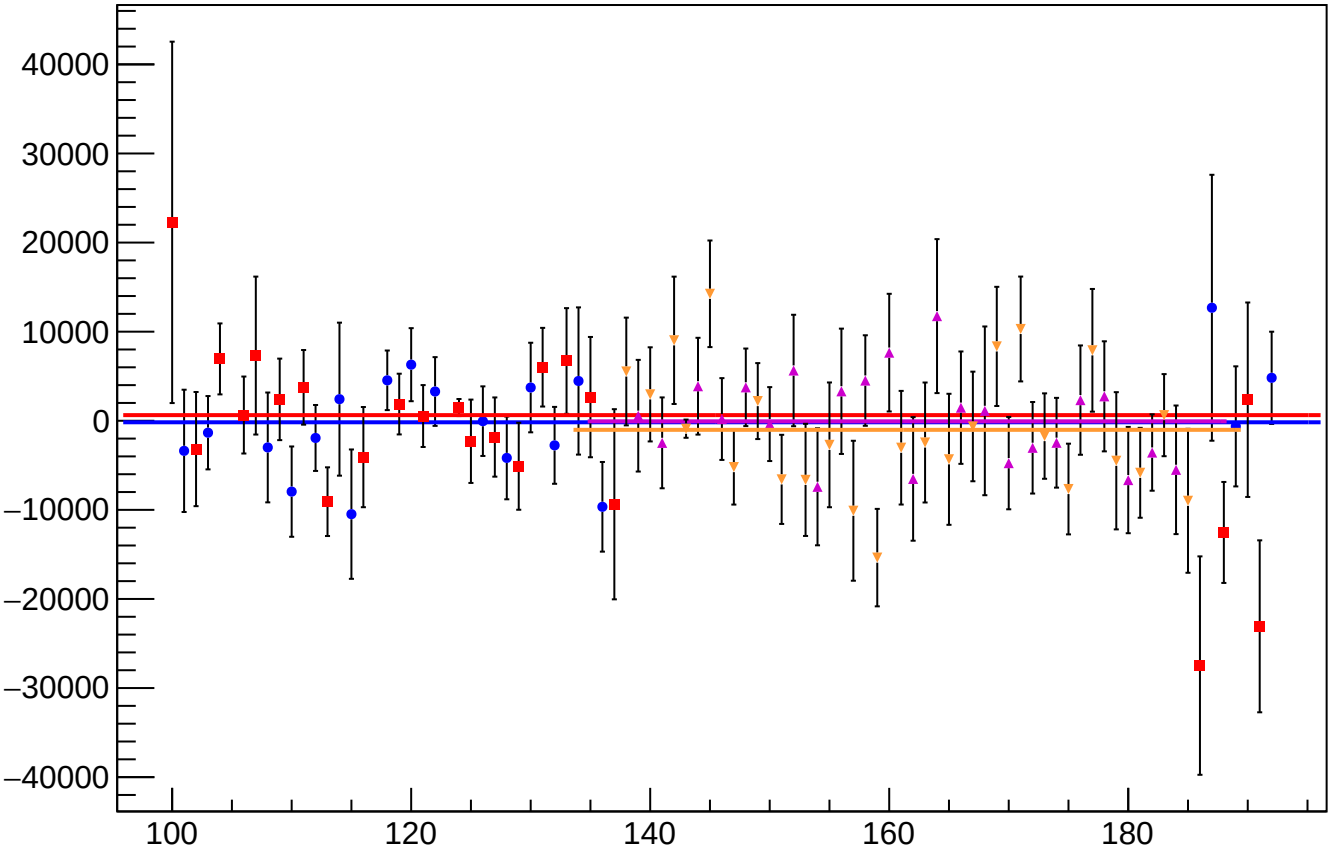
Right: 1766.559+/-0.299 χ^2/NDF: 1302828.3/41

In: 1813.336+/-0.247 χ^2/NDF:767876.7/41

Out: 1828.058+/-0.244 χ^2/NDF:979166.6/47

All: 1820.799+/-0.174 χ^2/NDF: 1748838.6/89

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: 633.034+/-720.568 χ^2/NDF: 35.6/22

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

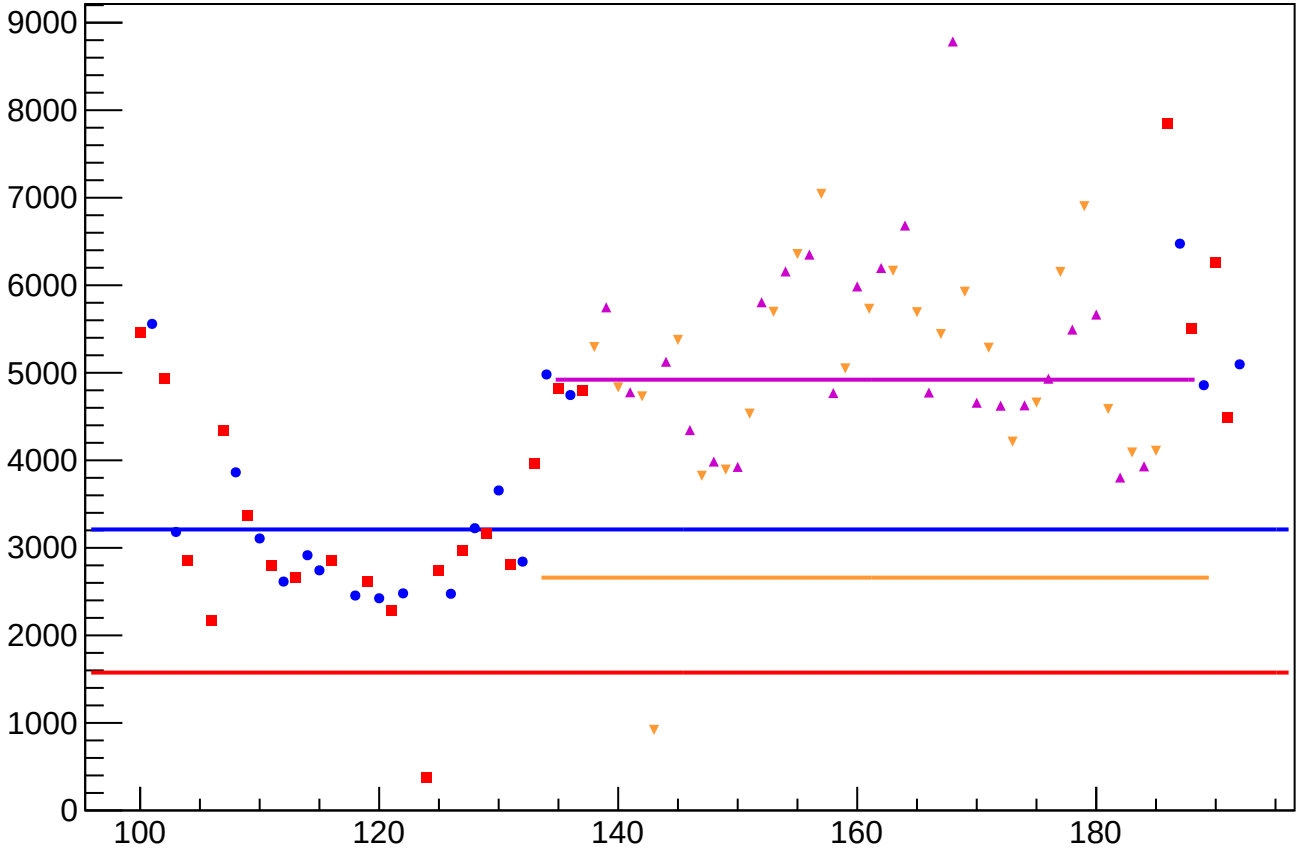
Right: 399.126+/-606.752 χ^2/NDF: 53.6/41

In: -118.885+/-812.023 χ^2/NDF:30.8/41

Out: -136.203+/-526.699 χ^2/NDF:71.7/47

All: -131.075+/-441.885 χ^2/NDF: 102.5/89

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: 1575.099+/-0.510 χ^2/NDF: 8921045.0/22

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

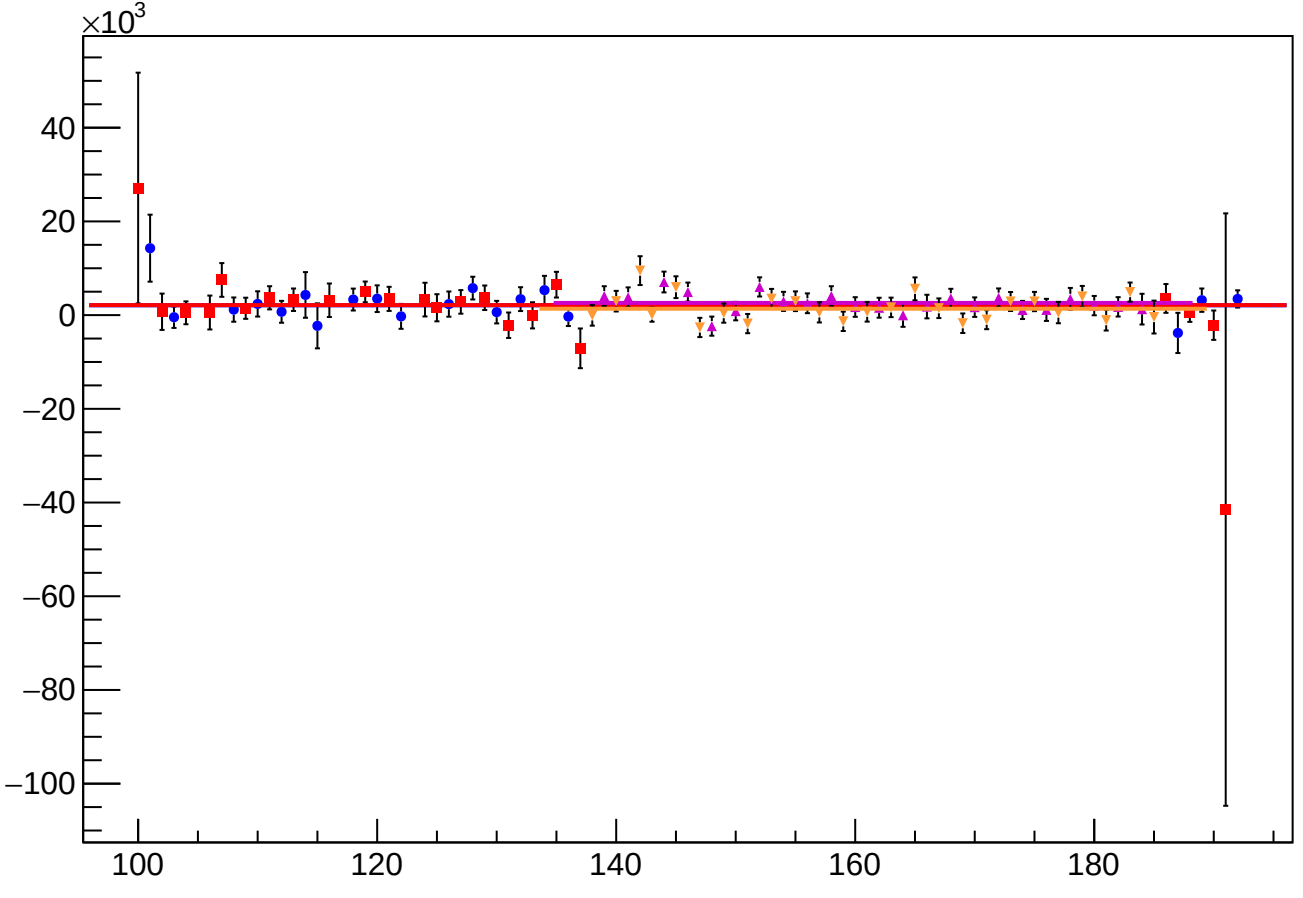
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2050.876+/-0.429 χ^2/NDF: 13344998.9/41

In: 4029.672+/-0.574 χ^2/NDF:4894212.4/41

Out: 2080.307+/-0.372 χ^2/NDF:25568931.3/47

All: 2657.571+/-0.312 χ^2/NDF: 38575987.3/8



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: 2130.682+/-599.320 χ^2/NDF: 21.0/22

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

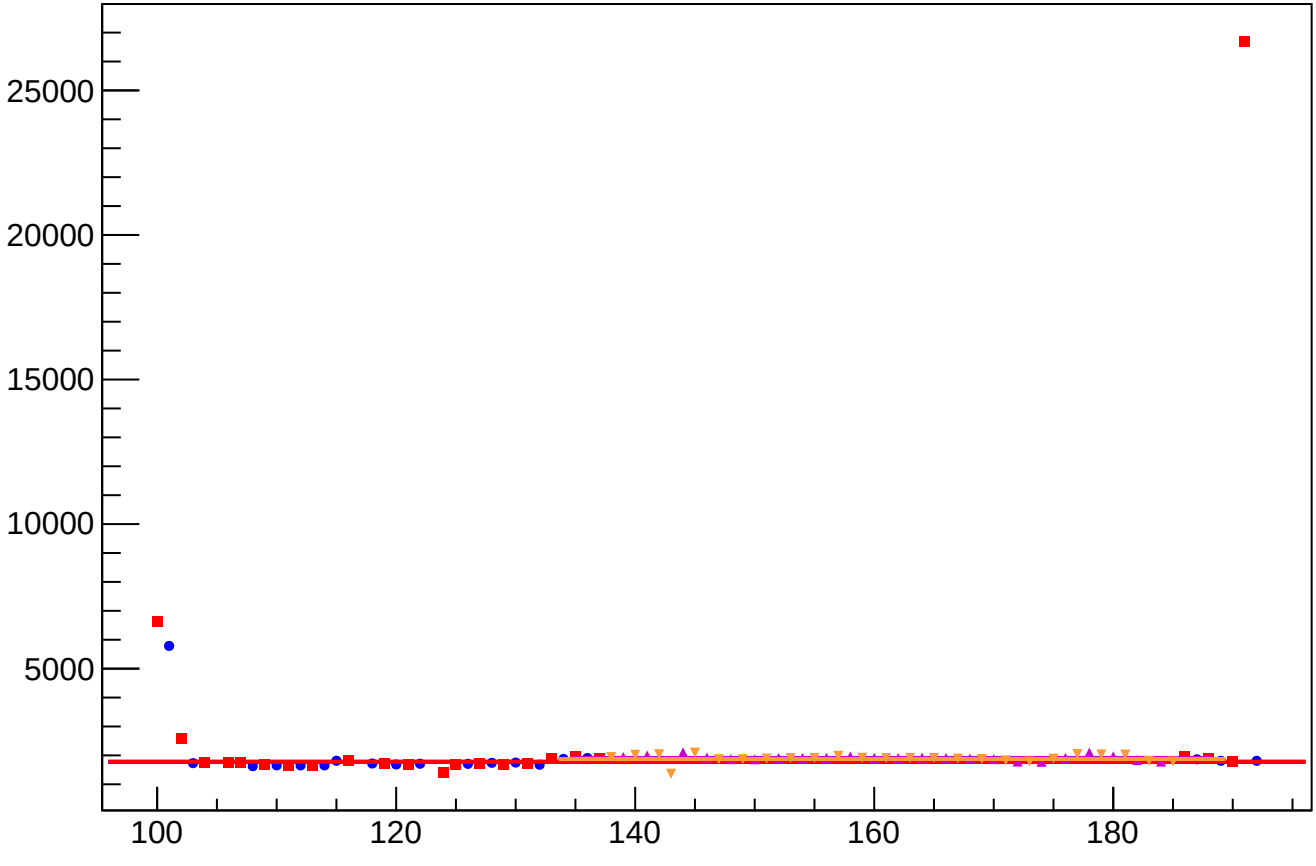
Right: 2112.562+/-426.547 χ^2/NDF: 36.1/41

In: 2424.123+/-359.844 χ^2/NDF:35.6/41

Out: 1622.335+/-347.941 χ^2/NDF:58.2/47

All: 2009.750+/-250.134 χ^2/NDF: 96.3/89

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: 1780.129+/-0.423 χ^2/NDF: 551975.4/22

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

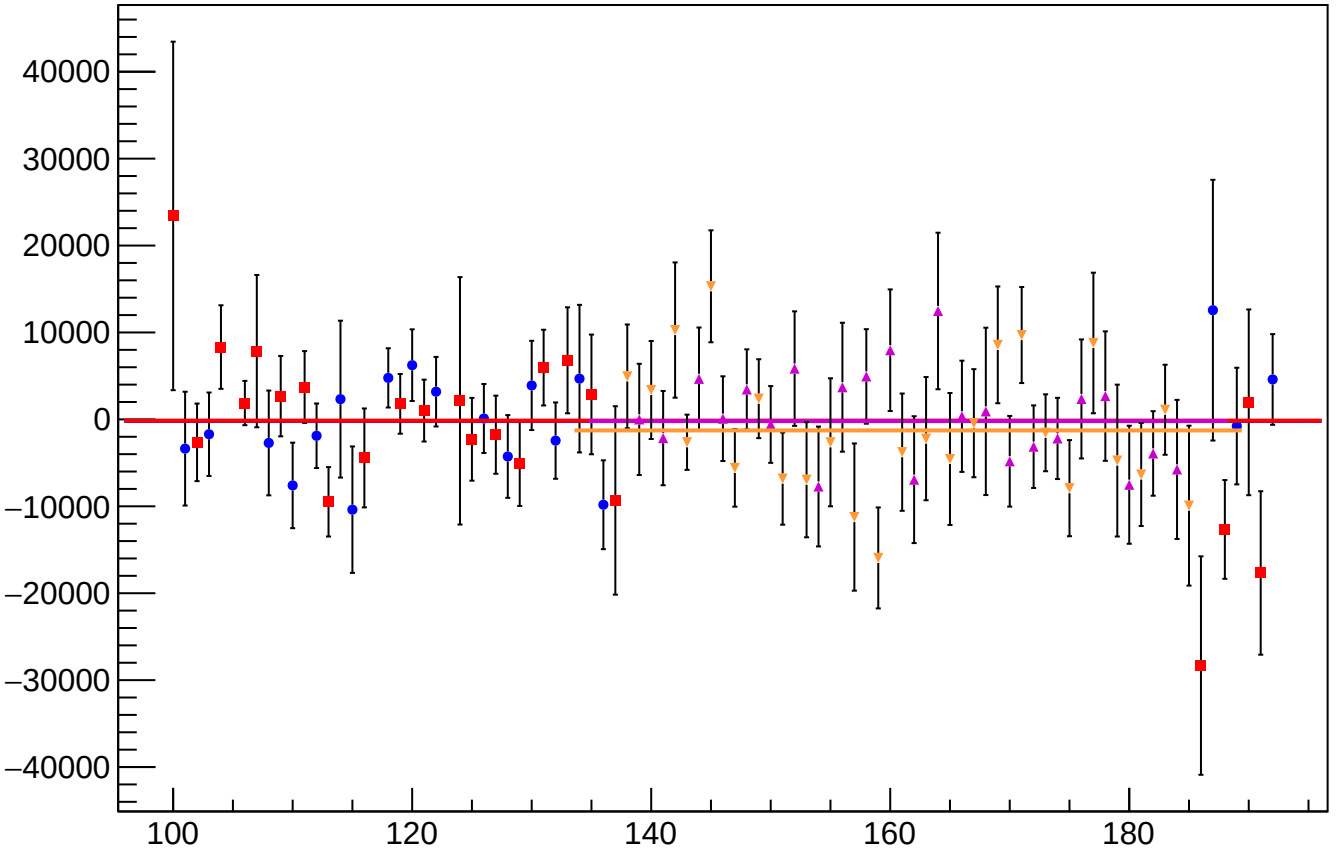
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1778.989+/-0.301 χ^2/NDF: 1221661.4/41

In: 1864.501+/-0.254 χ^2/NDF:791636.6/41

Out: 1841.724+/-0.246 χ^2/NDF:893762.9/47

All: 1852.721+/-0.177 χ^2/NDF: 1689543.8/89



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: -149.512+/-1036.008 χ^2/NDF: 32.9/22

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

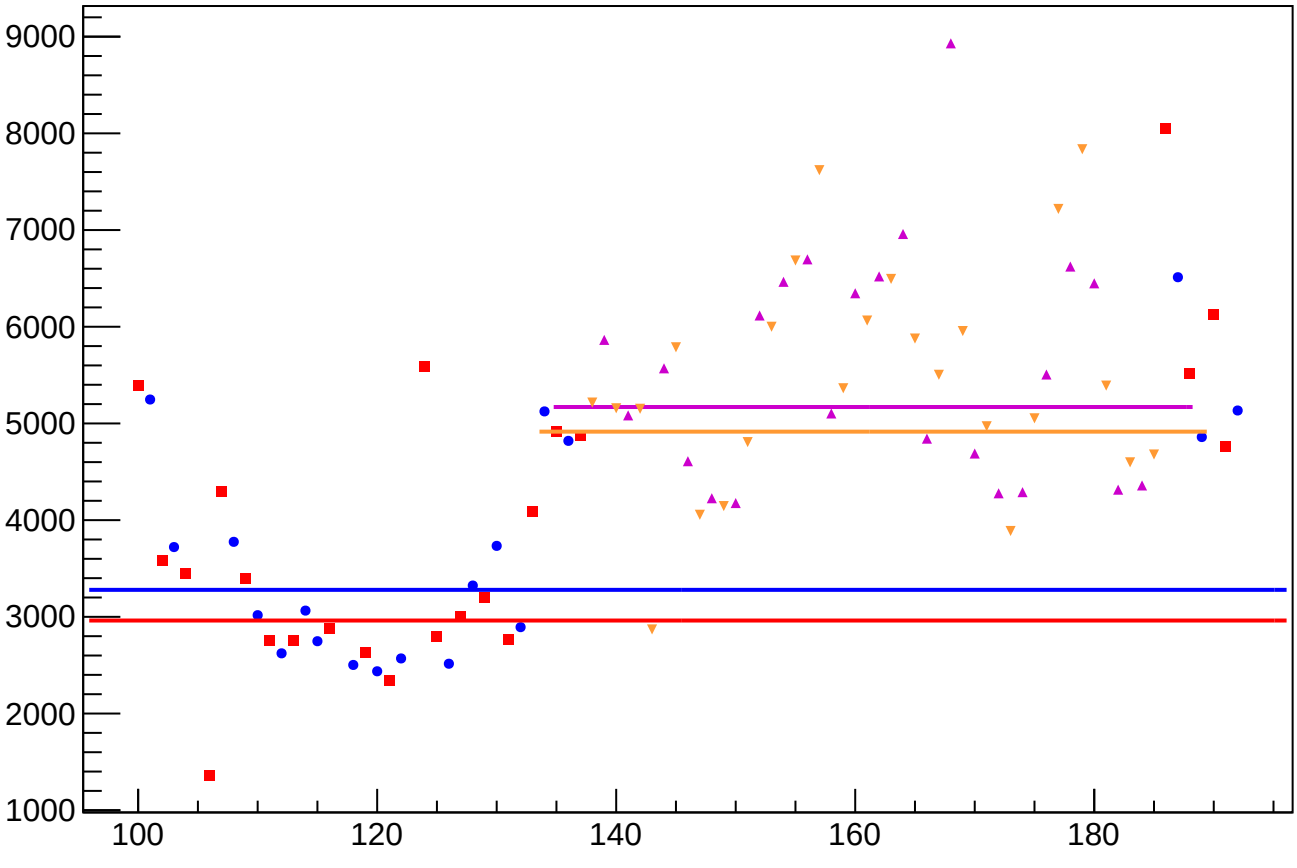
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -160.496+/-768.939 χ^2/NDF: 50.2/41

In: -184.604+/-840.449 χ^2/NDF:30.1/41

Out: -648.433+/-771.554 χ^2/NDF:66.8/47

All: -436.306+/-568.369 χ^2/NDF: 97.1/89



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: 2961.899+/-0.733 χ^2/NDF: 2386510.0/22

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

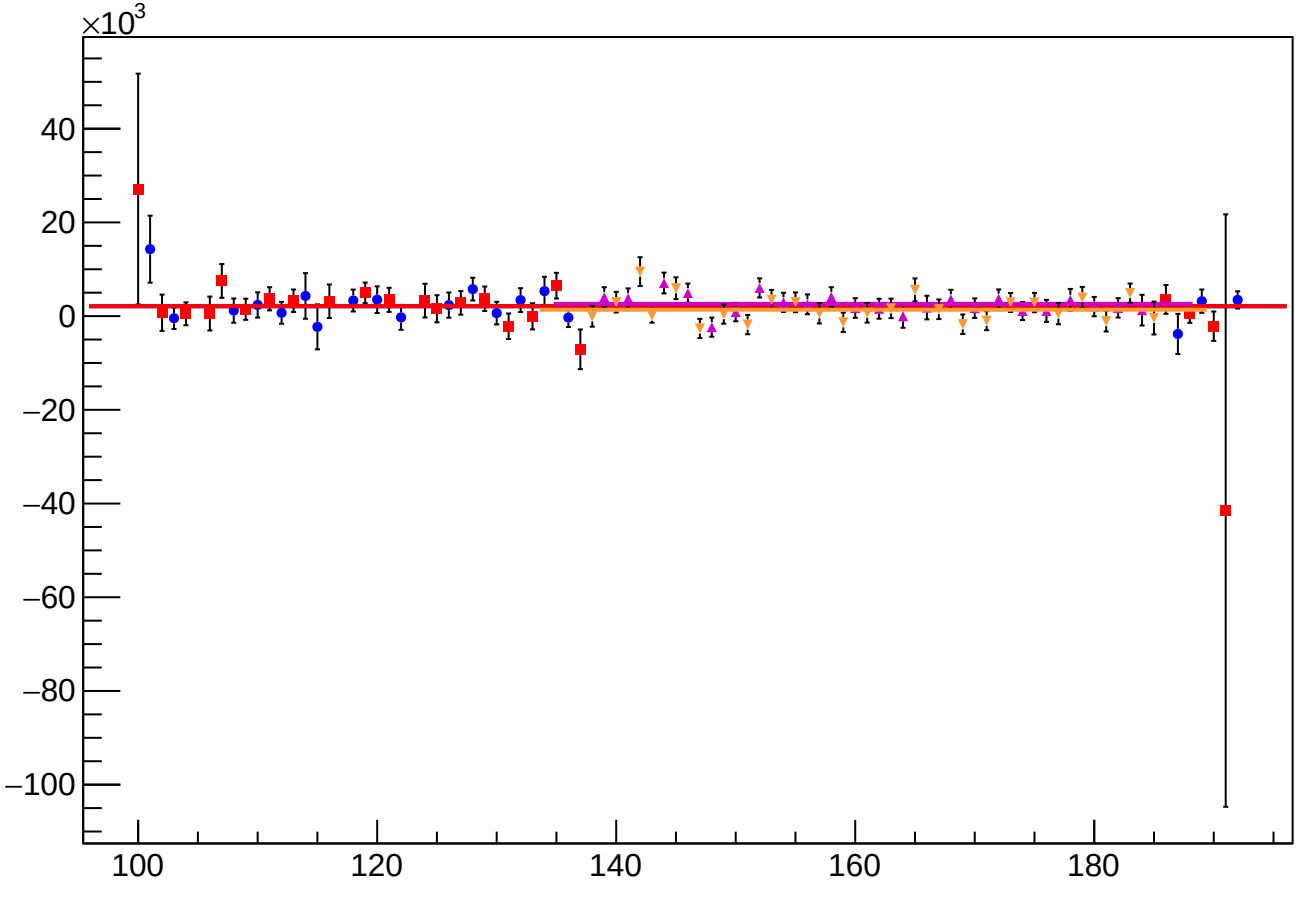
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3104.369+/-0.544 χ^2/NDF: 3850510.0/41

In: 4155.482+/-0.594 χ^2/NDF:5245958.3/41

Out: 3831.854+/-0.546 χ^2/NDF:7719238.0/47

All: 3979.862+/-0.402 χ^2/NDF: 13126123.6/8



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: 2130.683+/-599.320 χ^2/NDF: 21.0/22

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

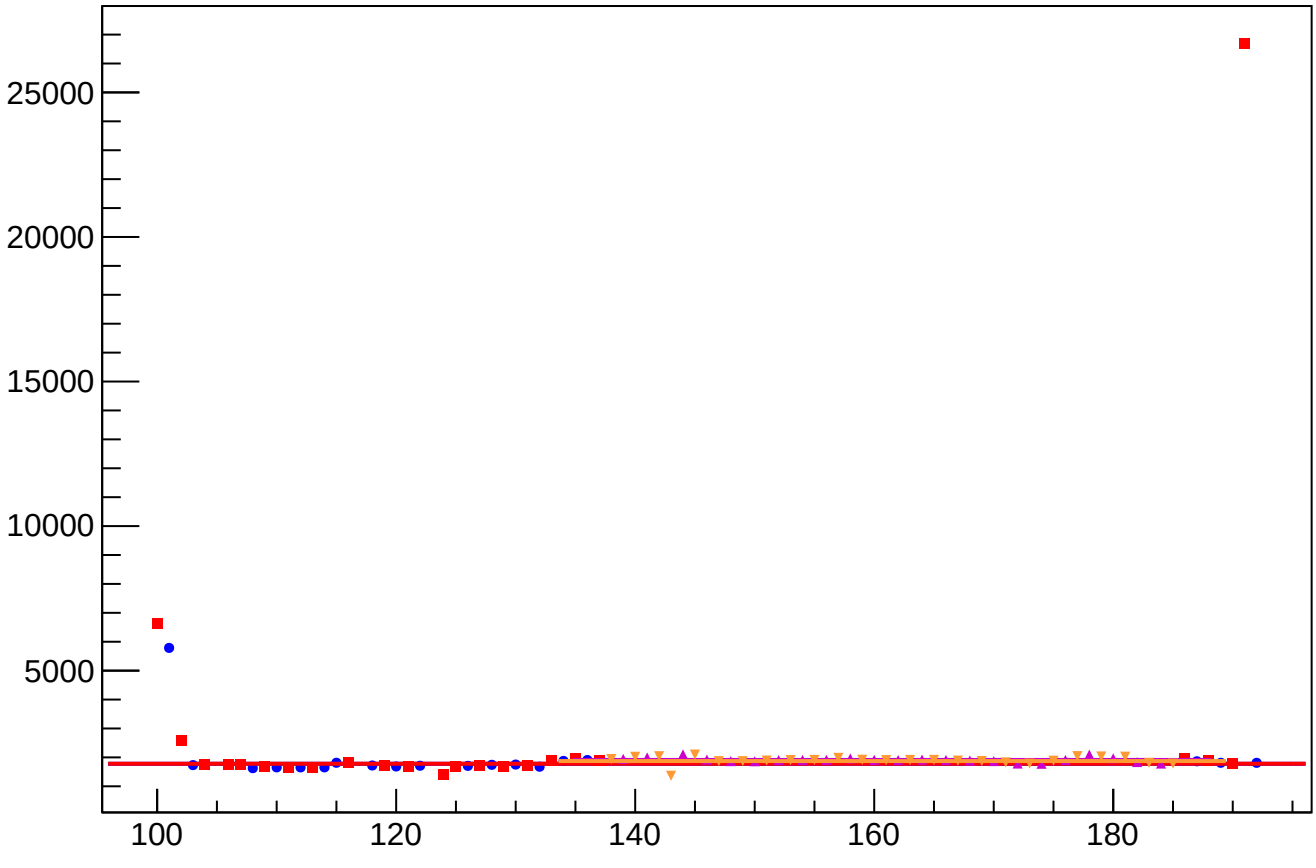
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2112.563+/-426.547 χ^2/NDF: 36.1/41

In: 2424.123+/-359.844 χ^2/NDF:35.6/41

Out: 1622.334+/-347.942 χ^2/NDF:58.2/47

All: 2009.748+/-250.134 χ^2/NDF: 96.3/89



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: 1780.129+/-0.423 χ^2/NDF: 551975.3/22

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

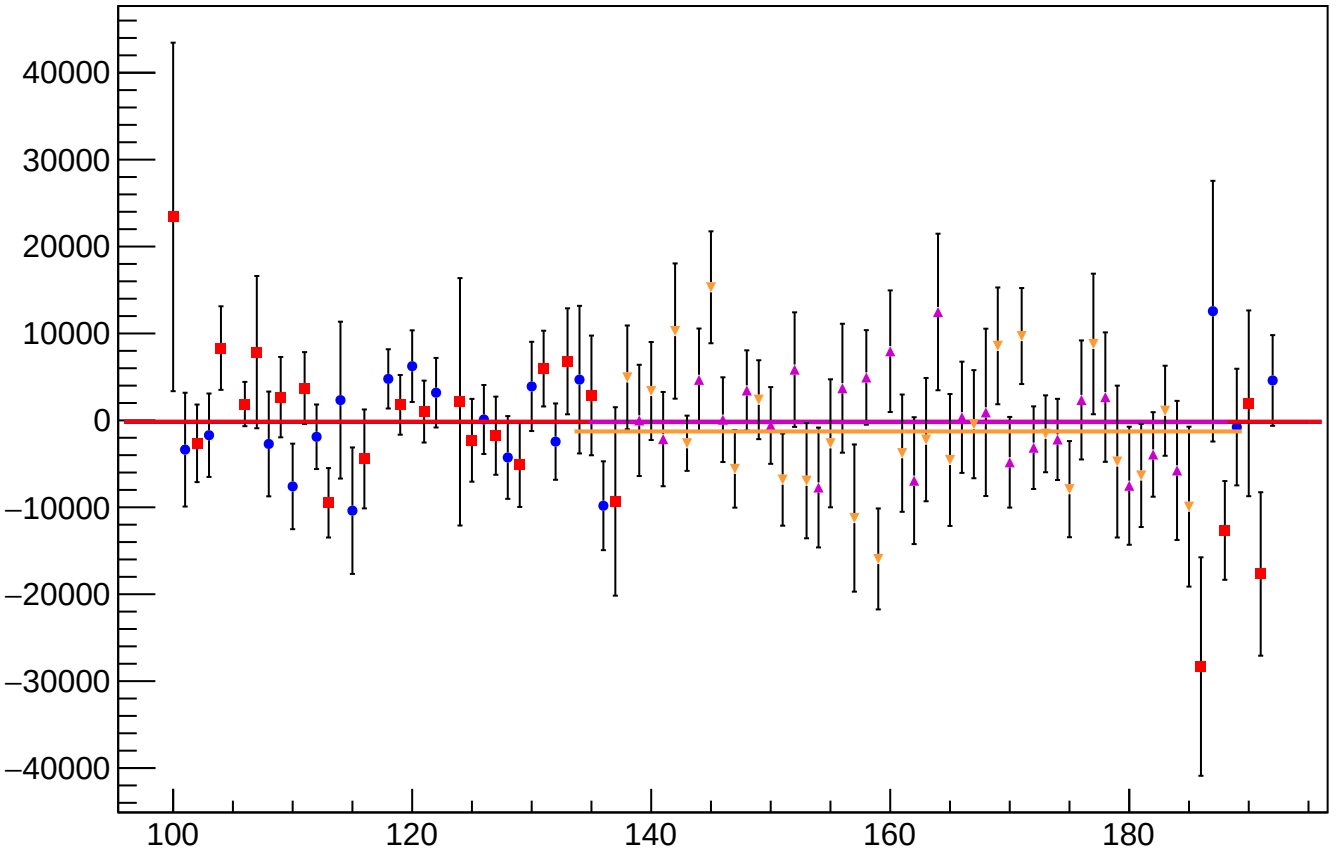
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1778.989+/-0.301 χ^2/NDF: 1221661.3/41

In: 1864.502+/-0.254 χ^2/NDF:791639.9/41

Out: 1841.724+/-0.246 χ^2/NDF:893767.1/47

All: 1852.721+/-0.177 χ^2/NDF: 1689551.3/89



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: -149.503+/-1036.005 χ^2/NDF: 32.9/22

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

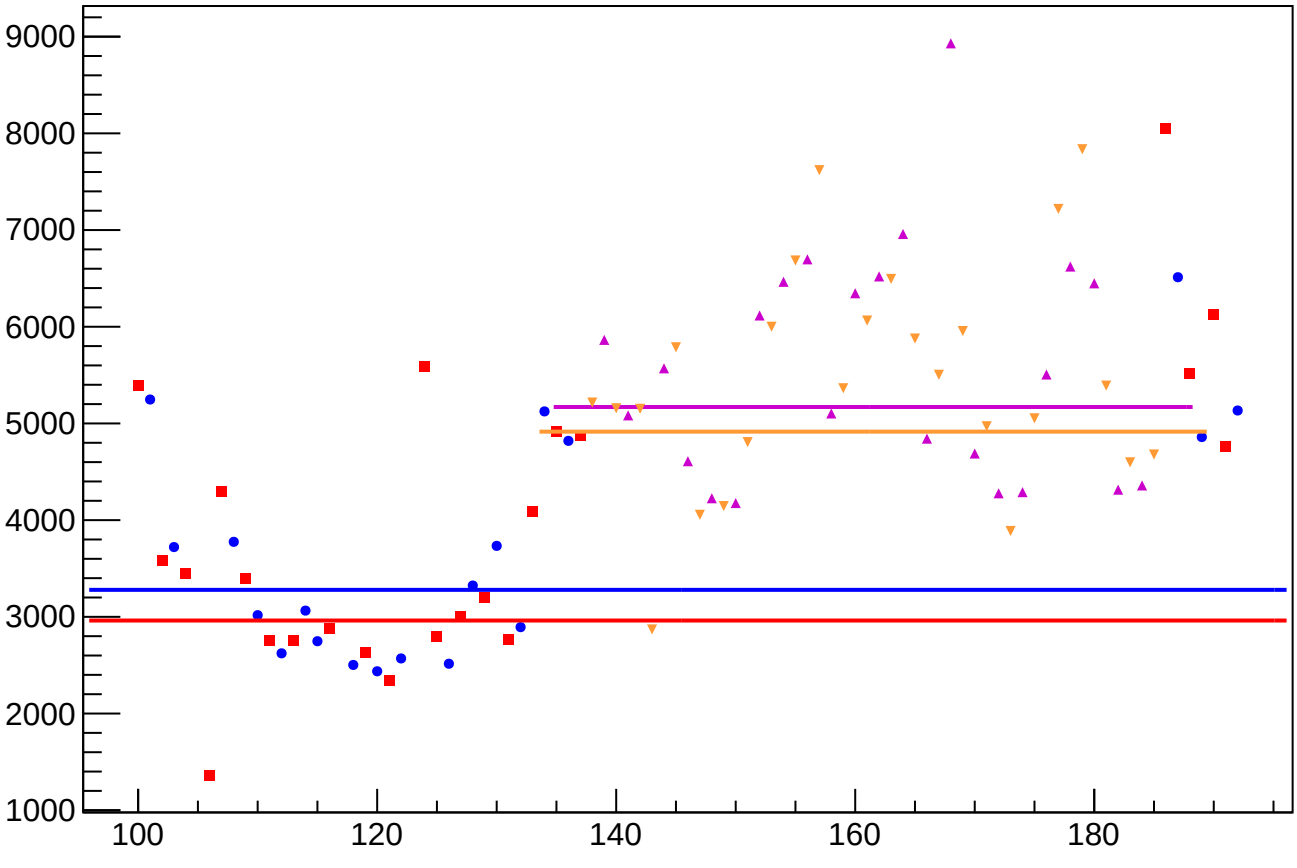
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: -160.489+/-768.936 χ^2/NDF: 50.2/41

In: -184.603+/-840.448 χ^2/NDF:30.1/41

Out: -648.428+/-771.553 χ^2/NDF:66.8/47

All: -436.303+/-568.368 χ^2/NDF: 97.1/89



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: 2961.885+/-0.733 χ^2/NDF: 2386538.1/22

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

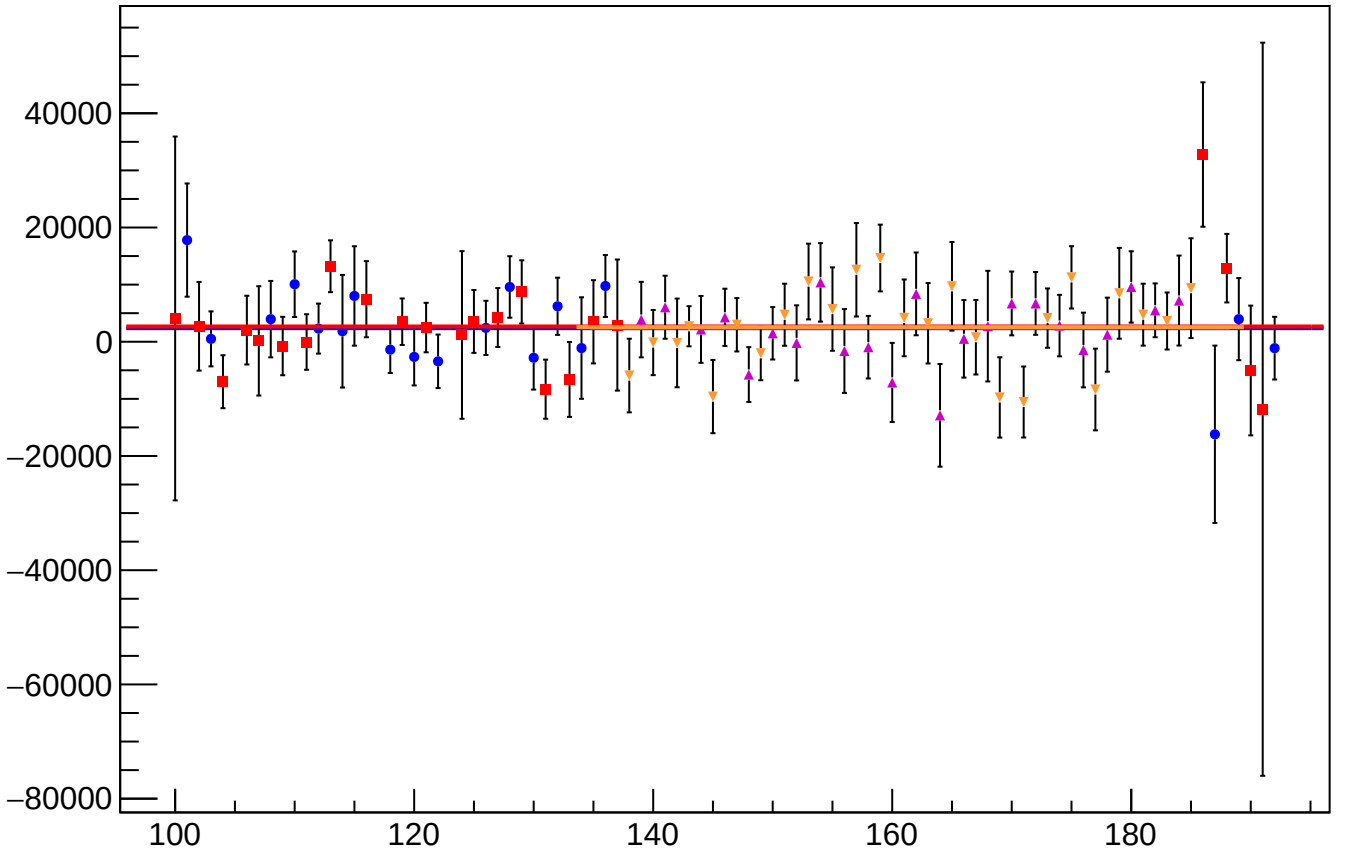
Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

Right: 3104.356+/-0.544 χ^2/NDF: 3850558.3/41

In: 4155.476+/-0.594 χ^2/NDF:5246030.8/41

Out: 3831.844+/-0.546 χ^2/NDF:7719343.0/47

All: 3979.854+/-0.402 χ^2/NDF: 13126304.4/8



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: 2671.957+/-1285.830 χ^2/NDF: 28.1/22

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

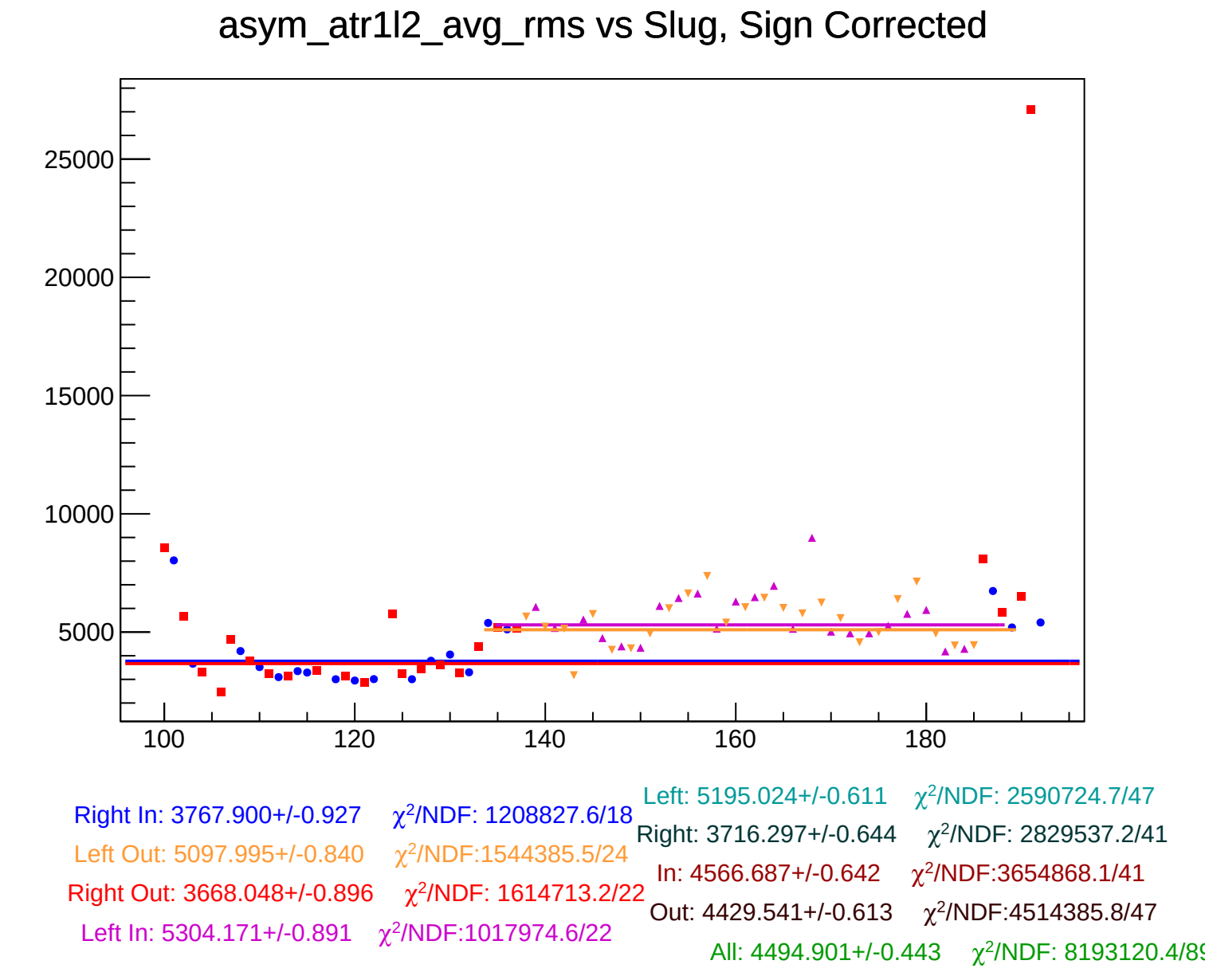
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

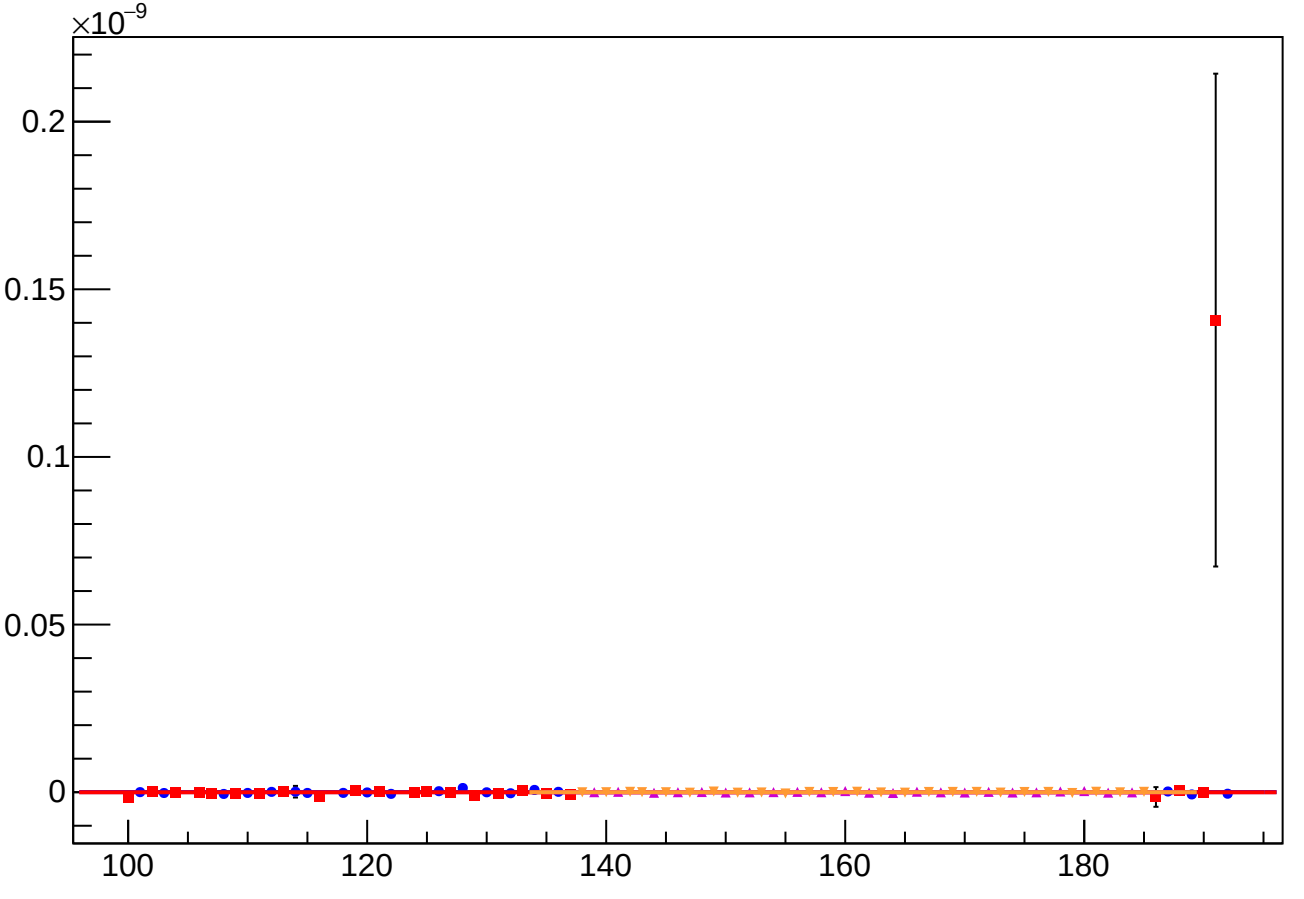
Right: 2526.611+/-917.977 χ^2/NDF: 43.5/41

In: 2400.219+/-908.307 χ^2/NDF:30.4/41

Out: 2604.566+/-872.450 χ^2/NDF:57.2/47

All: 2506.506+/-629.210 χ^2/NDF: 87.6/89


asym_atr1l2_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
Right In: 3767.900+/-0.927 χ²/NDF: 1208827.6/18
Left Out: 5097.995+/-0.840 χ²/NDF:1544385.5/24
Right Out: 3668.048+/-0.896 χ²/NDF: 1614713.2/22
Left In: 5304.171+/-0.891 χ²/NDF:1017974.6/22
Left: 5195.024+/-0.611 χ²/NDF: 2590724.7/47
Right: 3716.297+/-0.644 χ²/NDF: 2829537.2/41
In: 4566.687+/-0.642 χ²/NDF:3654868.1/41
Out: 4429.541+/-0.613 χ²/NDF:4514385.8/47
All: 4494.901+/-0.443 χ²/NDF: 8193120.4/89



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: 28.9/22

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

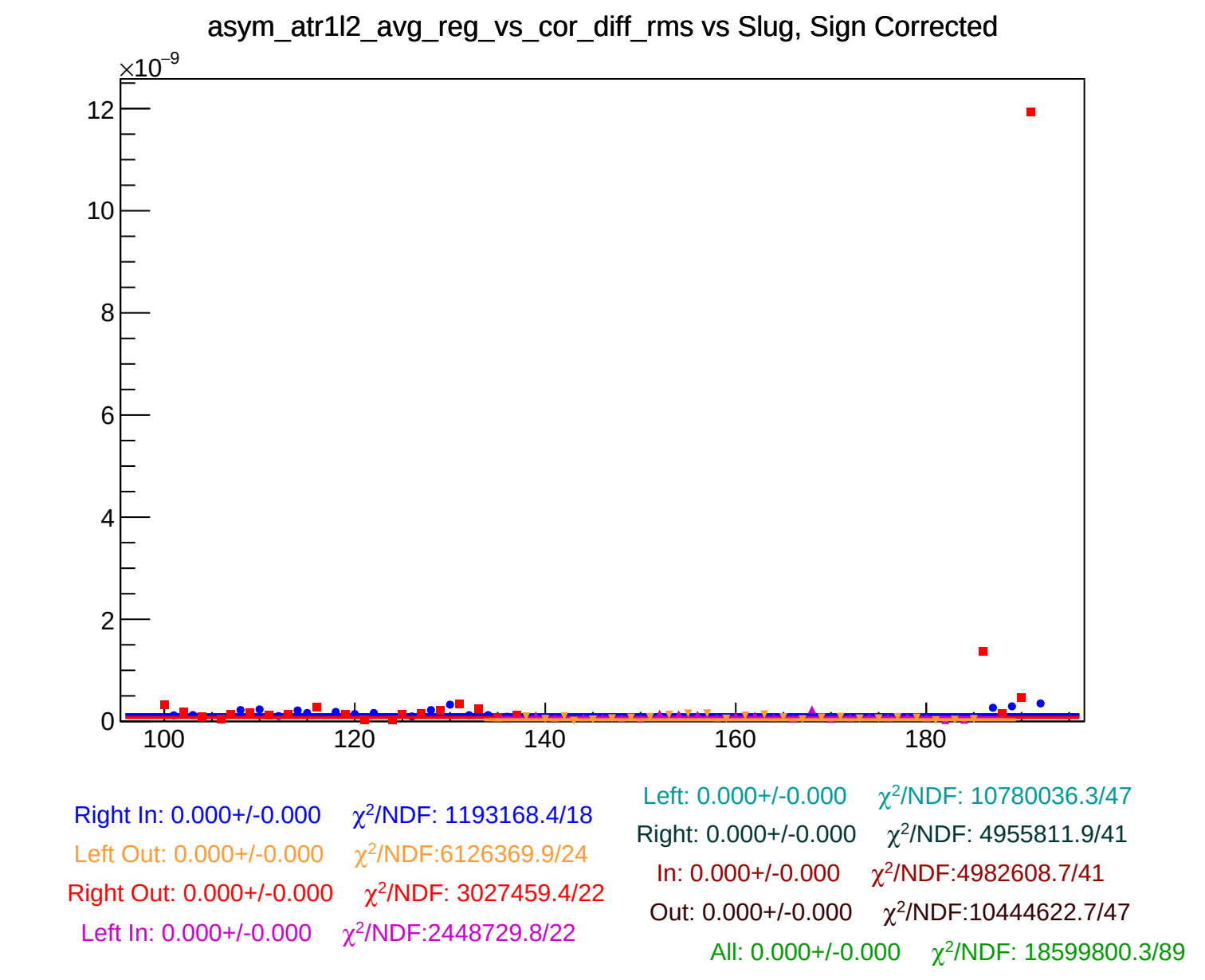
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

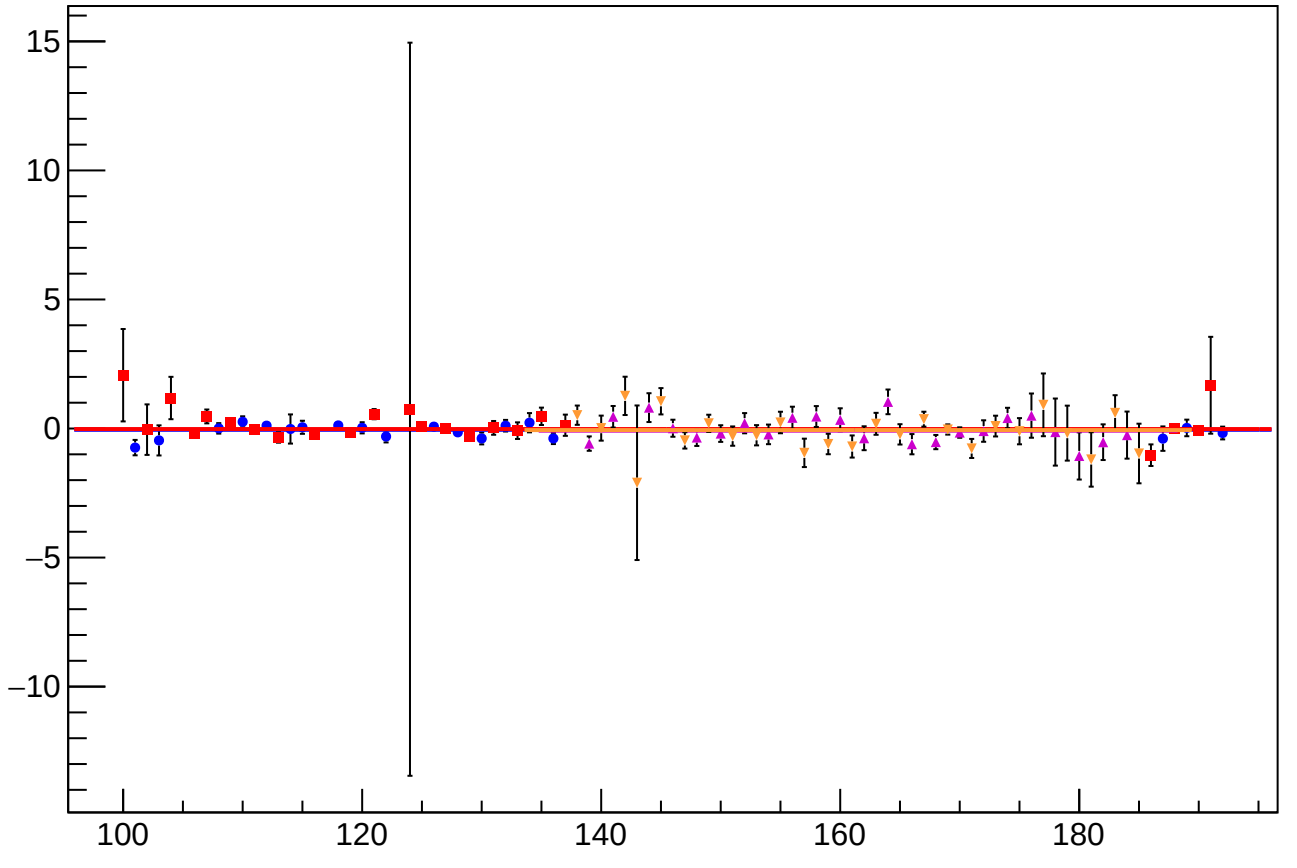
Right: 0.000+/-0.000 χ^2/NDF: 49.3/41

In: 0.000+/-0.000 χ^2/NDF:43.1/41

Out: 0.000+/-0.000 χ^2/NDF:44.4/47

All: 0.000+/-0.000 χ^2/NDF: 87.5/89


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: 3027459.4/22
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: 4955811.9/41
In: 0.000+/-0.000 χ²/NDF:4982608.7/41
Out: 0.000+/-0.000 χ²/NDF:10444622.7/47
All: 0.000+/-0.000 χ²/NDF: 18599800.3/89



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: -0.021+/-0.045 χ^2/NDF: 35.7/22

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

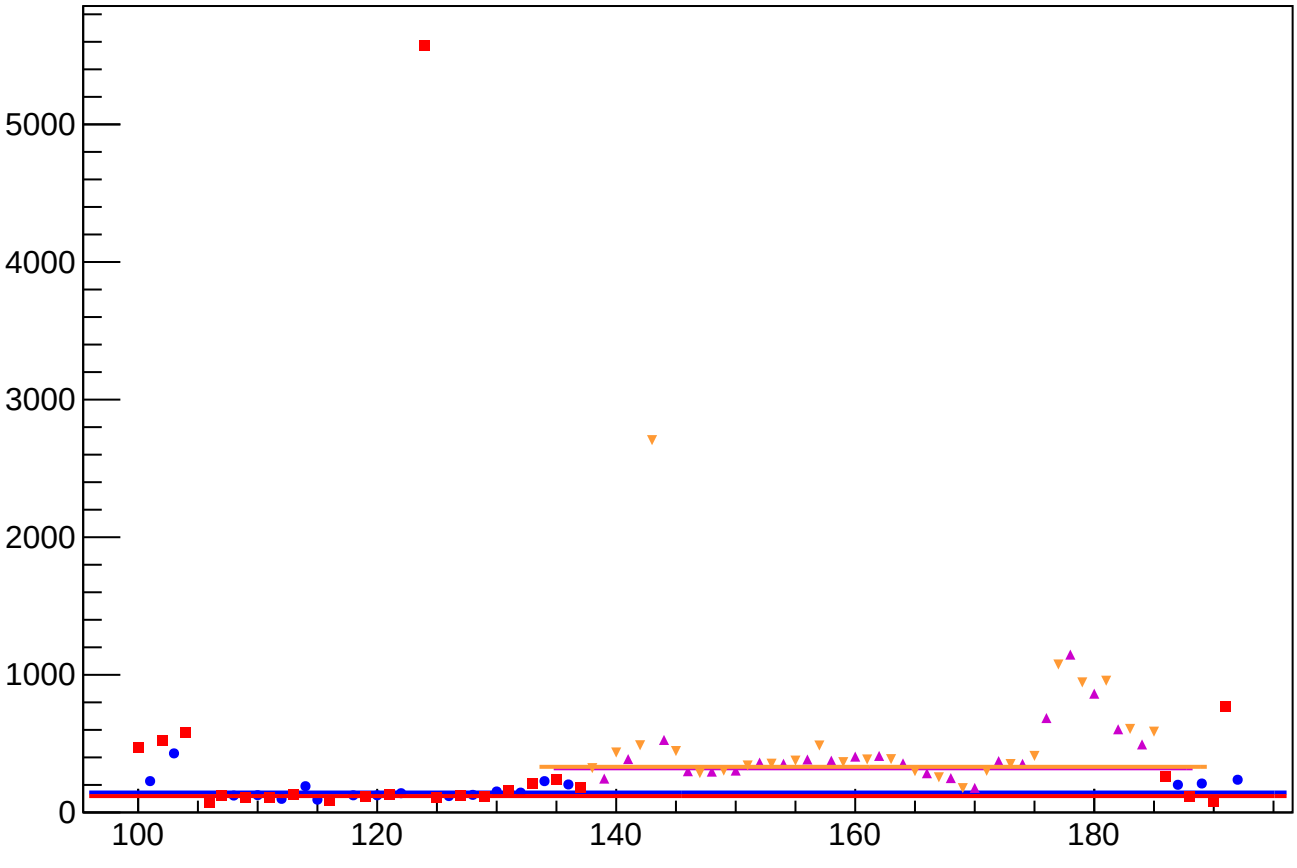
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.033+/-0.035 χ^2/NDF: 54.6/41

In: -0.059+/-0.045 χ^2/NDF:45.9/41

Out: -0.030+/-0.040 χ^2/NDF:66.6/47

All: -0.043+/-0.030 χ^2/NDF: 112.8/89



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: 118.905+/-0.032 χ^2/NDF: 2735512.0/22

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

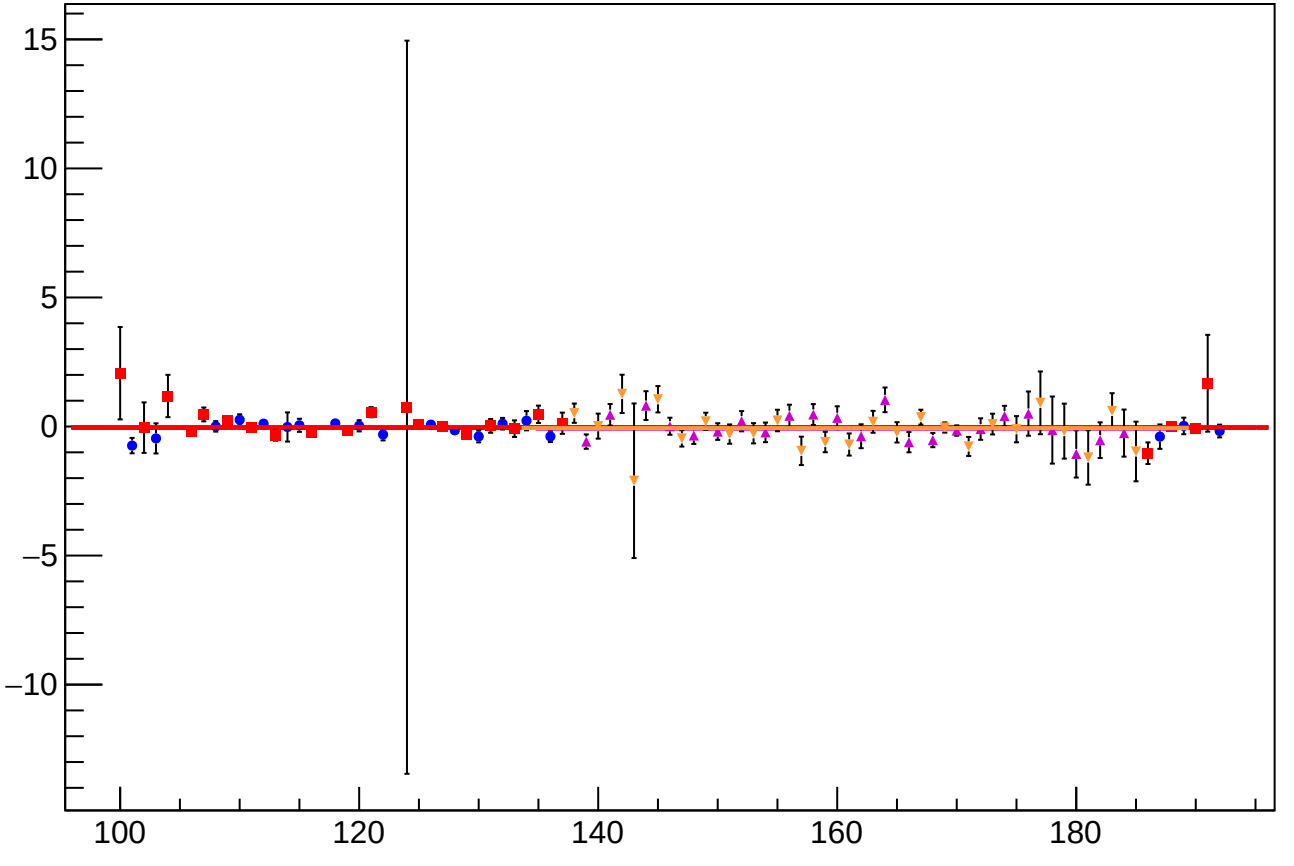
Right: 129.788+/-0.024 χ^2/NDF: 4708469.5/41

In: 197.951+/-0.032 χ^2/NDF:12504429.0/41

Out: 167.091+/-0.028 χ^2/NDF:18570014.2/47

All: 180.792+/-0.021 χ^2/NDF: 31607462.6/89

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: -0.021+/-0.045 χ^2/NDF: 35.7/22

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

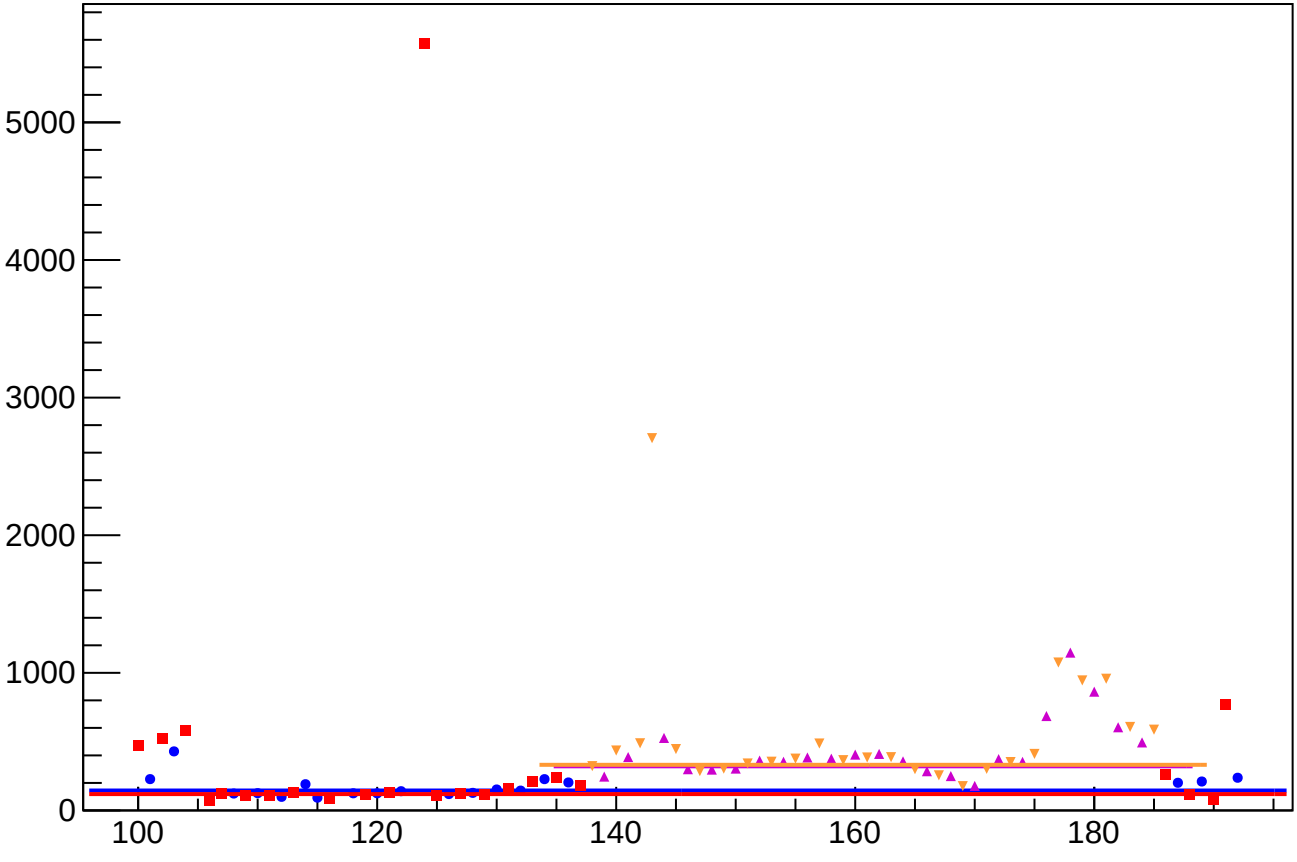
Right: -0.033+/-0.035 χ^2/NDF: 54.6/41

In: -0.059+/-0.045 χ^2/NDF:45.9/41

Out: -0.030+/-0.040 χ^2/NDF:66.6/47

All: -0.043+/-0.030 χ^2/NDF: 112.8/89

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: 118.905+/-0.032 χ^2/NDF: 2735512.0/22

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

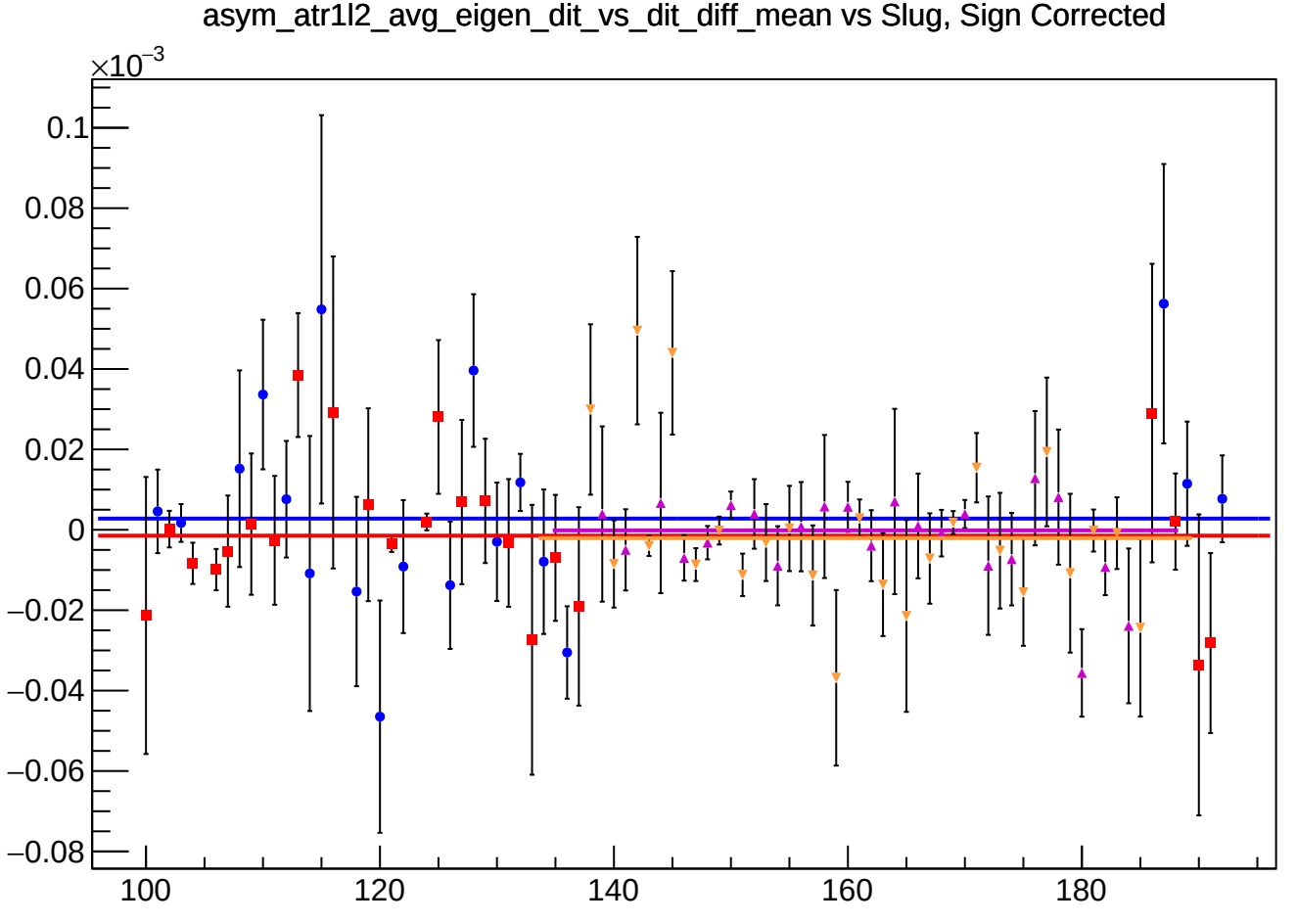
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

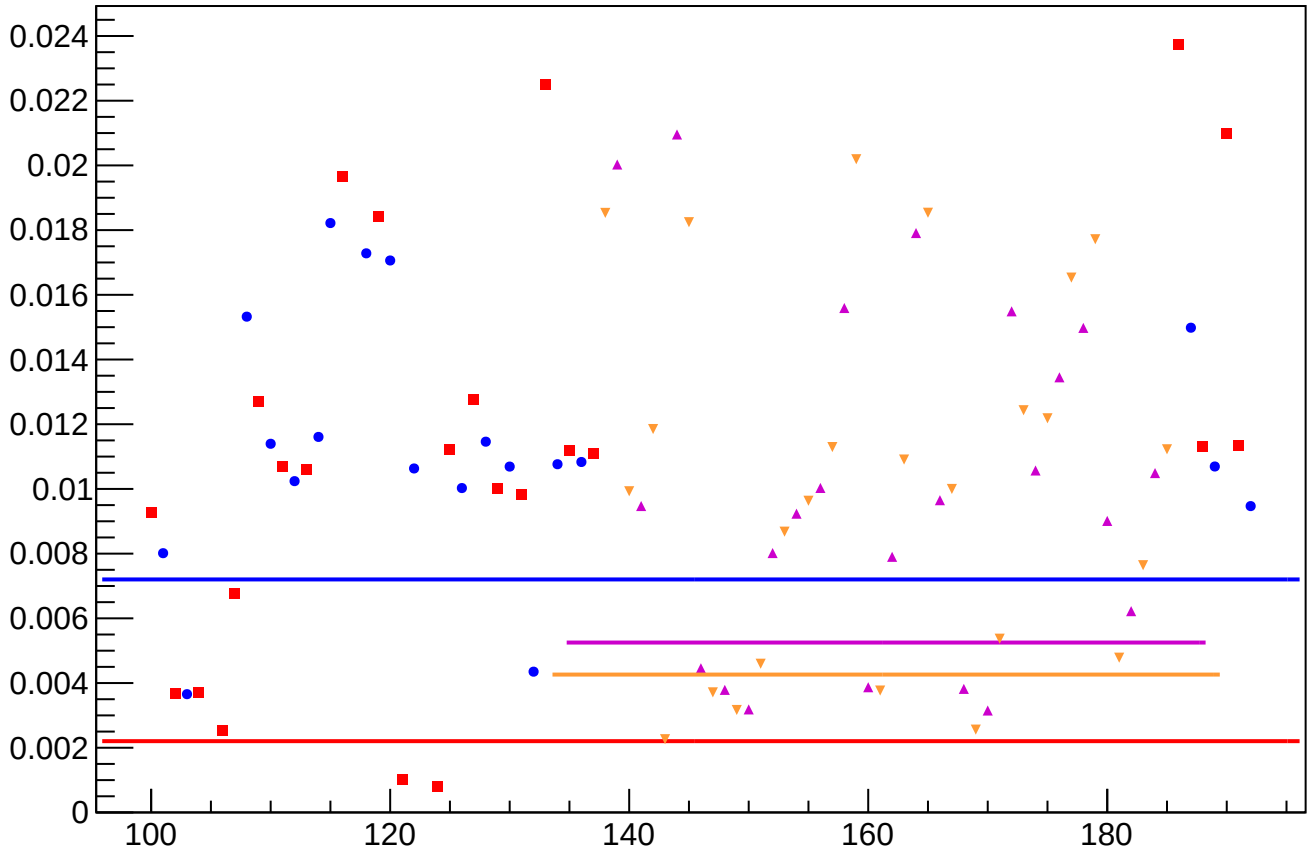
Right: 129.788+/-0.024 χ^2/NDF: 4708469.5/41

In: 197.951+/-0.032 χ^2/NDF:12504429.0/41

Out: 167.091+/-0.028 χ^2/NDF:18570014.2/47

All: 180.792+/-0.021 χ^2/NDF: 31607462.6/89


asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 26.8/18
Left Out: -0.000+/-0.000 χ²/NDF:34.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.2/22
Left In: -0.000+/-0.000 χ²/NDF:24.9/22
Left: -0.000+/-0.000 χ²/NDF: 60.6/47
Right: -0.000+/-0.000 χ²/NDF: 51.9/41
In: 0.000+/-0.000 χ²/NDF:52.5/41
Out: -0.000+/-0.000 χ²/NDF:58.1/47
All: -0.000+/-0.000 χ²/NDF: 112.7/89



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: 11715811.7/22

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

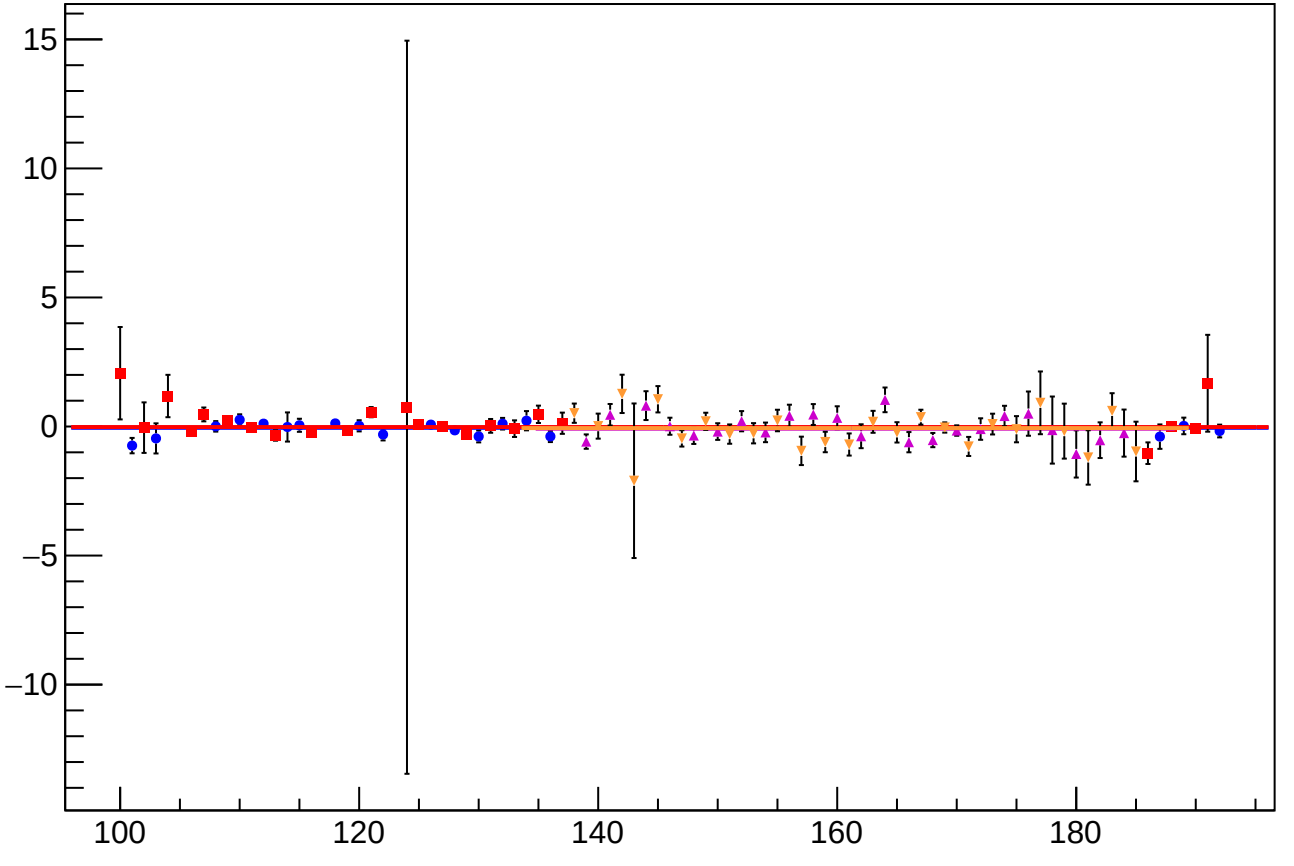
Right: 0.003+/-0.000 χ^2/NDF: 20571926.7/41

In: 0.006+/-0.000 χ^2/NDF:13829139.4/41

Out: 0.003+/-0.000 χ^2/NDF:27413354.0/47

All: 0.004+/-0.000 χ^2/NDF: 45974025.0/89

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: -0.021+/-0.045 χ^2/NDF: 35.7/22

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

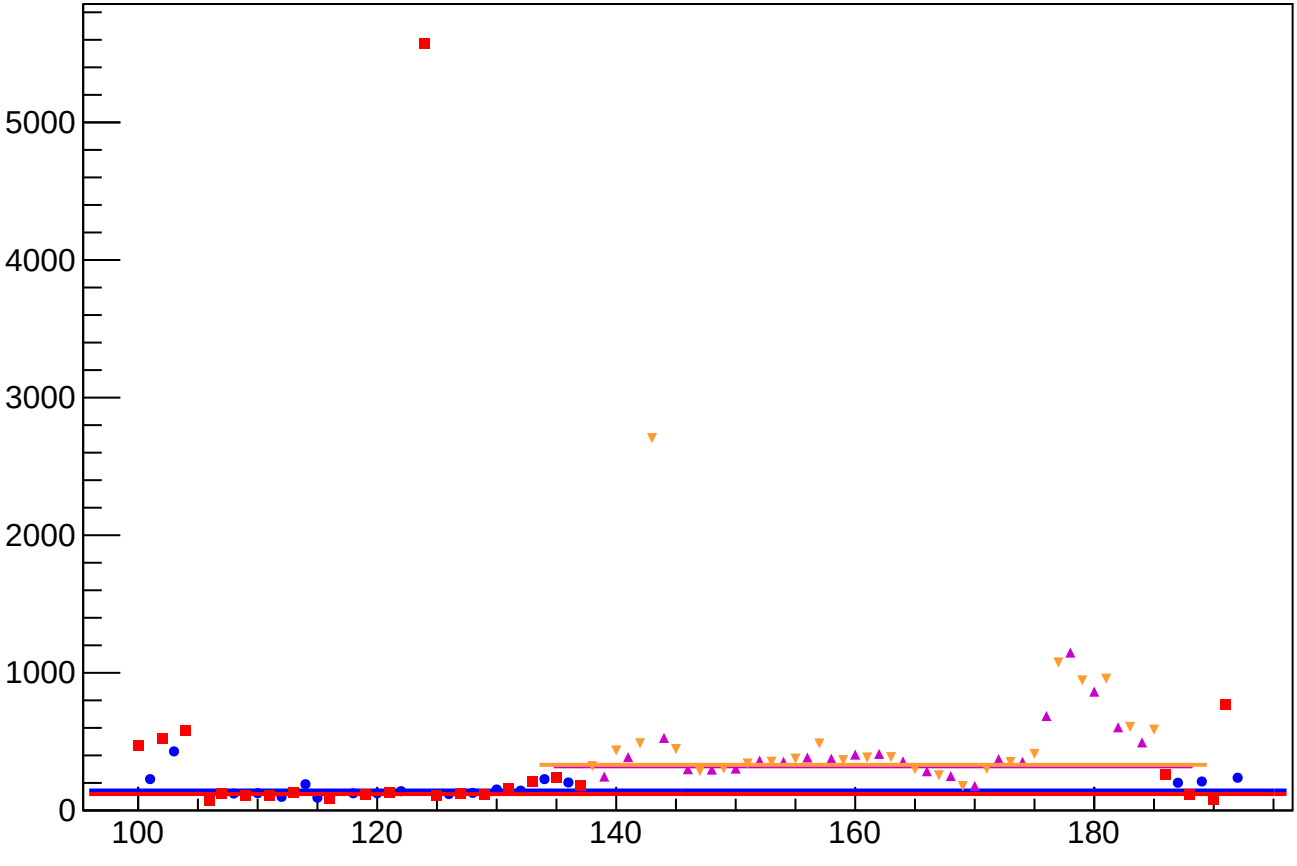
Right: -0.033+/-0.035 χ^2/NDF: 54.6/41

In: -0.059+/-0.045 χ^2/NDF:45.9/41

Out: -0.030+/-0.040 χ^2/NDF:66.6/47

All: -0.043+/-0.030 χ^2/NDF: 112.8/89

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: 118.904+/-0.032 χ^2/NDF: 2735437.3/22

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

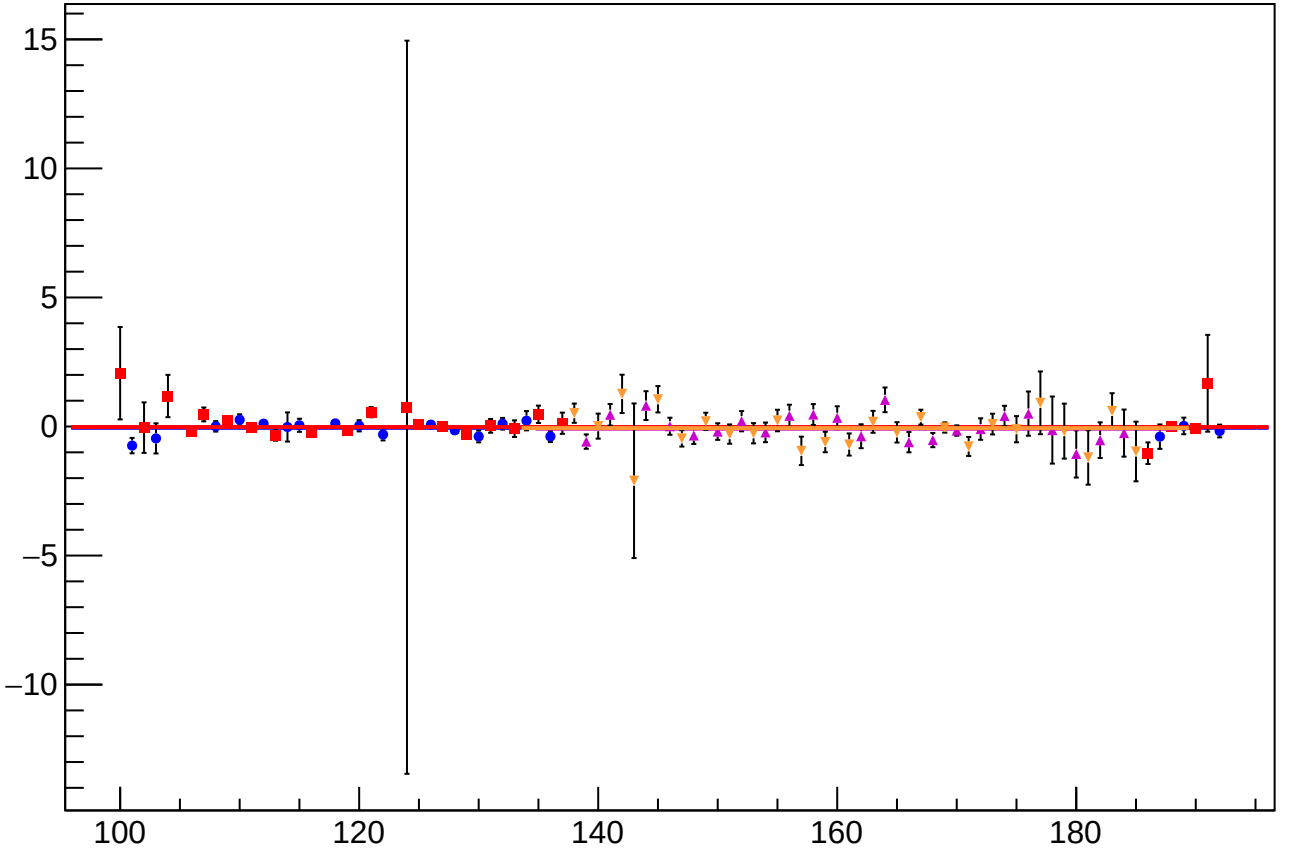
Right: 129.788+/-0.024 χ^2/NDF: 4708349.7/41

In: 197.952+/-0.032 χ^2/NDF:12504392.7/41

Out: 167.090+/-0.028 χ^2/NDF:18570141.4/47

All: 180.792+/-0.021 χ^2/NDF: 31607616.7/89

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: -0.021+/-0.045 χ^2/NDF: 35.7/22

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

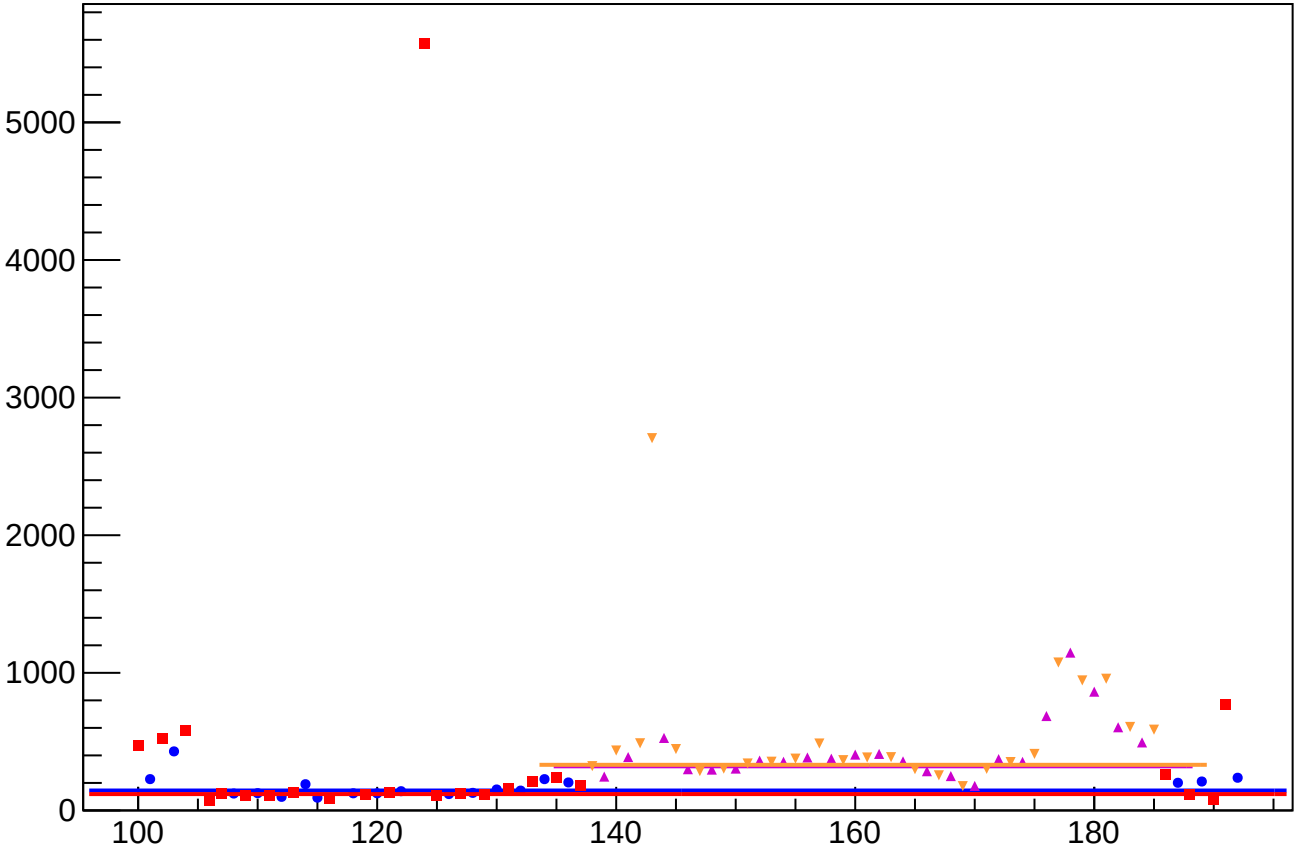
Right: -0.033+/-0.035 χ^2/NDF: 54.6/41

In: -0.059+/-0.045 χ^2/NDF:45.9/41

Out: -0.030+/-0.040 χ^2/NDF:66.6/47

All: -0.043+/-0.030 χ^2/NDF: 112.8/89

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: 118.904+/-0.032 χ^2/NDF: 2735437.3/22

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

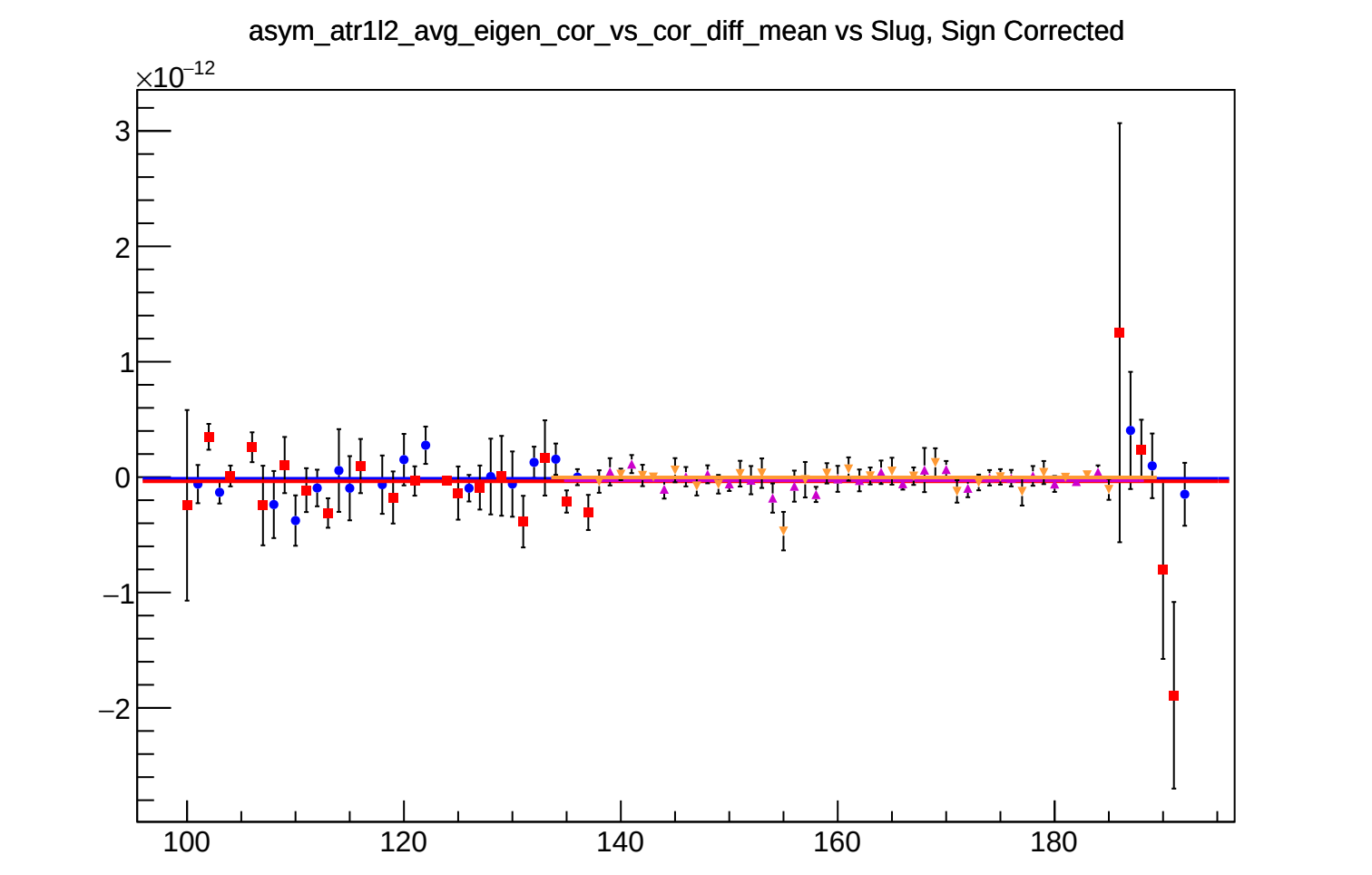
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 129.788+/-0.024 χ^2/NDF: 4708349.7/41

In: 197.952+/-0.032 χ^2/NDF:12504392.7/41

Out: 167.090+/-0.028 χ^2/NDF:18570141.4/47

All: 180.792+/-0.021 χ^2/NDF: 31607616.7/89



Right In: -0.000+/-0.000 χ^2/NDF: 13.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.0/22

Left In: -0.000+/-0.000 χ^2/NDF:16.1/22

Left: -0.000+/-0.000 χ^2/NDF: 34.9/47

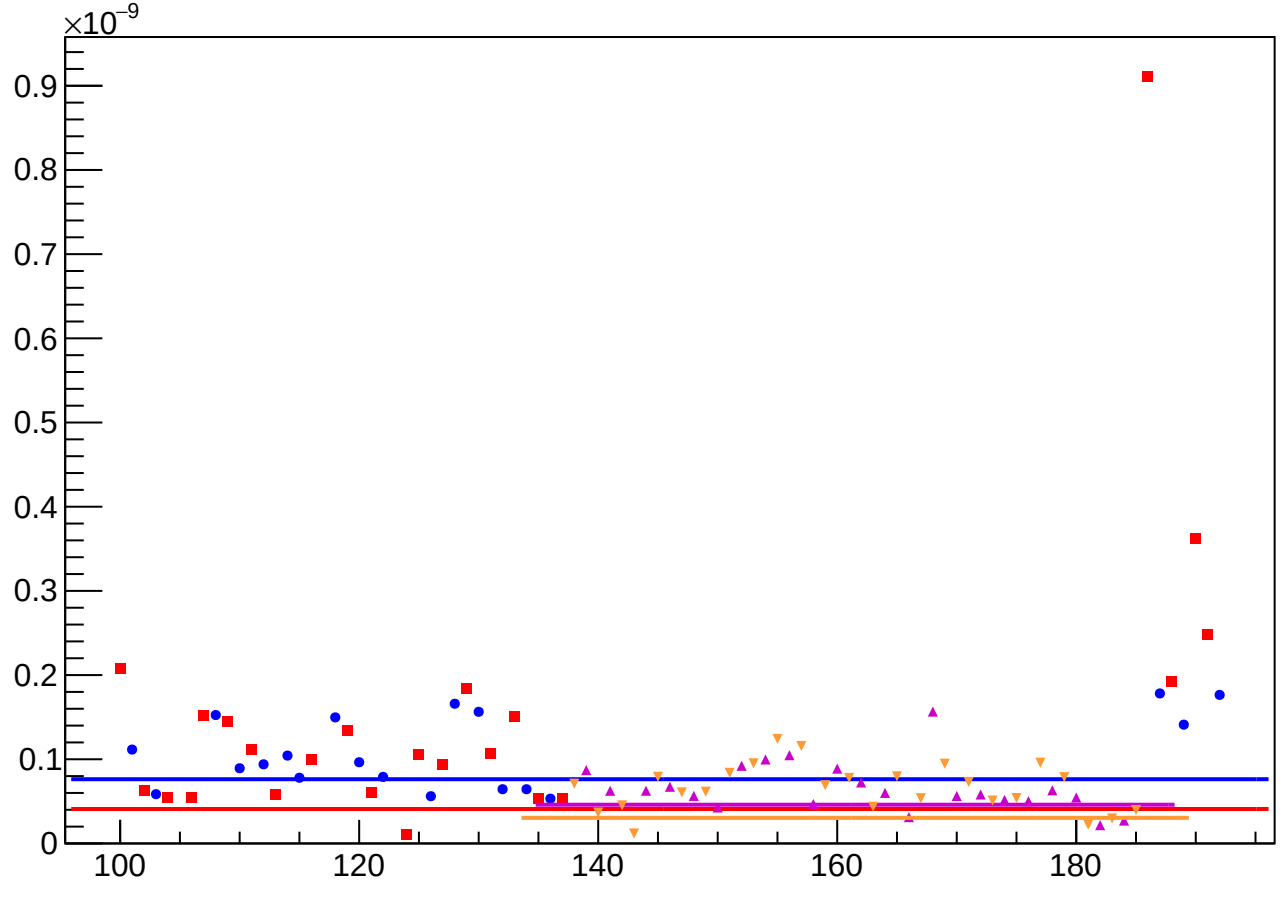
Right: -0.000+/-0.000 χ^2/NDF: 54.7/41

In: -0.000+/-0.000 χ^2/NDF:29.6/41

Out: -0.000+/-0.000 χ^2/NDF:59.5/47

All: -0.000+/-0.000 χ^2/NDF: 90.2/89

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 5911590.3/22

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

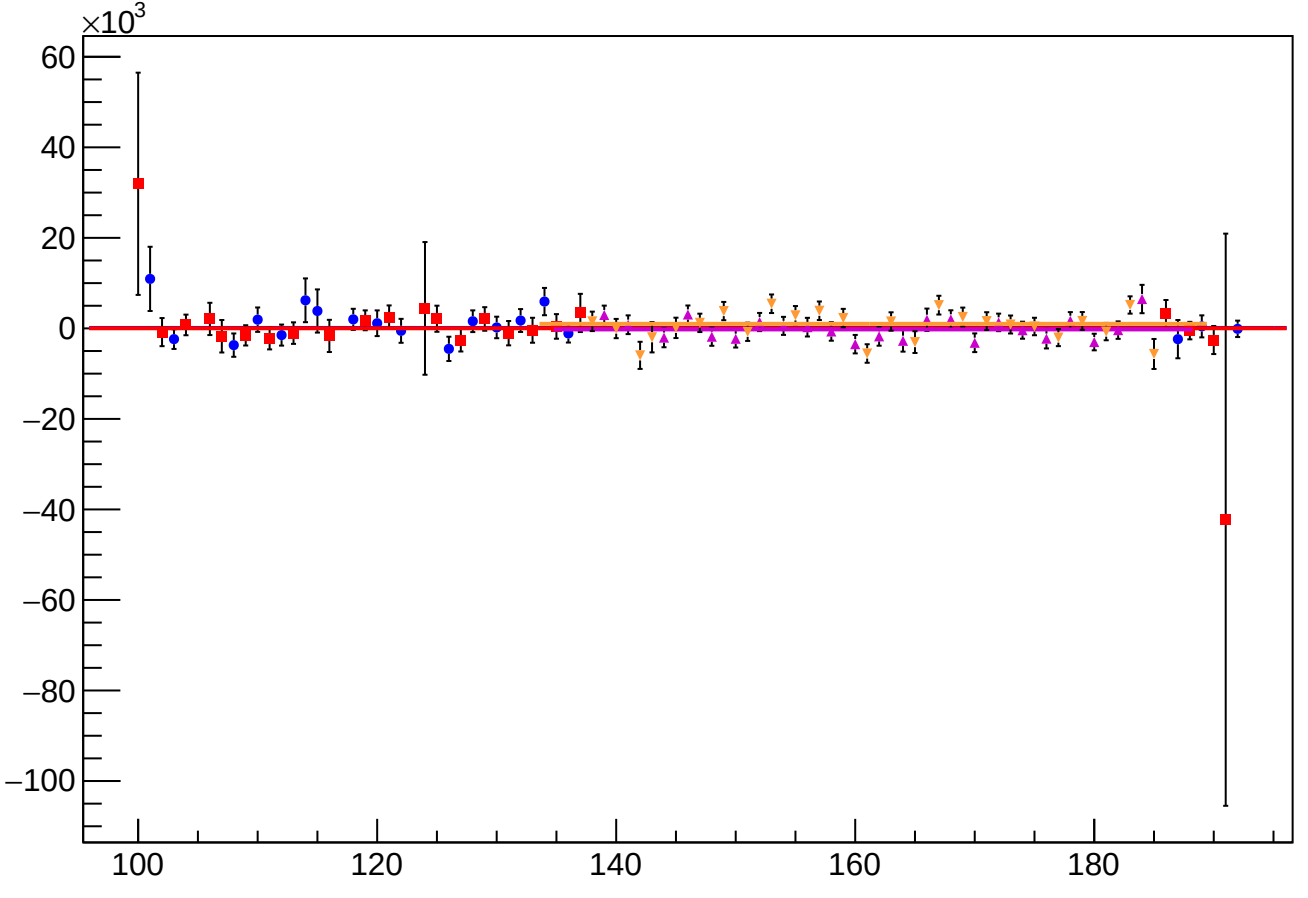
Left: 0.000+/-0.000 χ^2/NDF: 16912386.2/47

Right: 0.000+/-0.000 χ^2/NDF: 8785682.5/41

In: 0.000+/-0.000 χ^2/NDF:7694152.3/41

Out: 0.000+/-0.000 χ^2/NDF:16722162.0/47

All: 0.000+/-0.000 χ^2/NDF: 26762176.2/89



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: 25.596+/-596.577 χ^2/NDF: 11.3/22

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

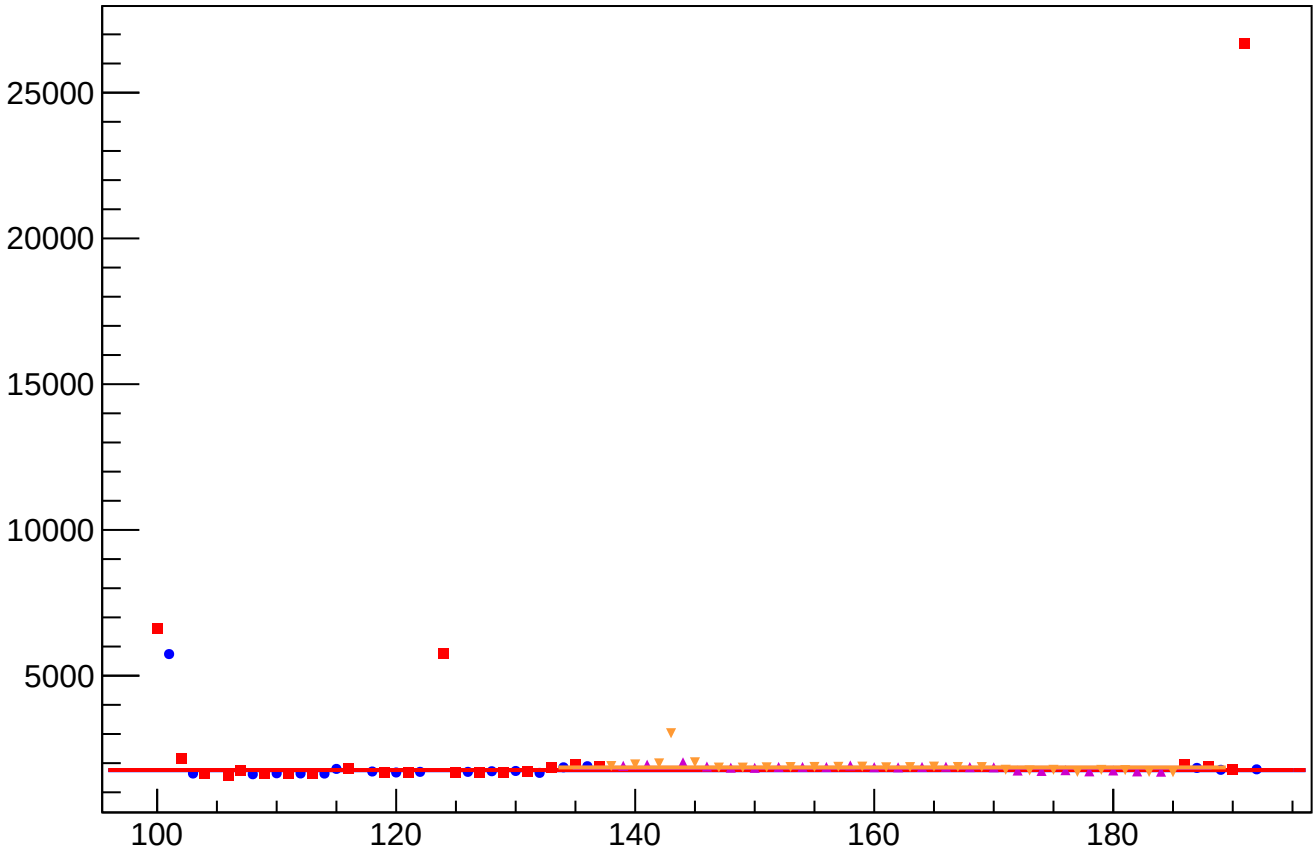
Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

Right: 57.664+/-423.087 χ^2/NDF: 29.4/41

In: -121.055+/-349.371 χ^2/NDF:44.6/41

Out: 677.214+/-344.836 χ^2/NDF:60.5/47

All: 283.295+/-245.423 χ^2/NDF: 107.7/89



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: 1764.893+/-0.419 χ^2/NDF: 637547.9/22

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

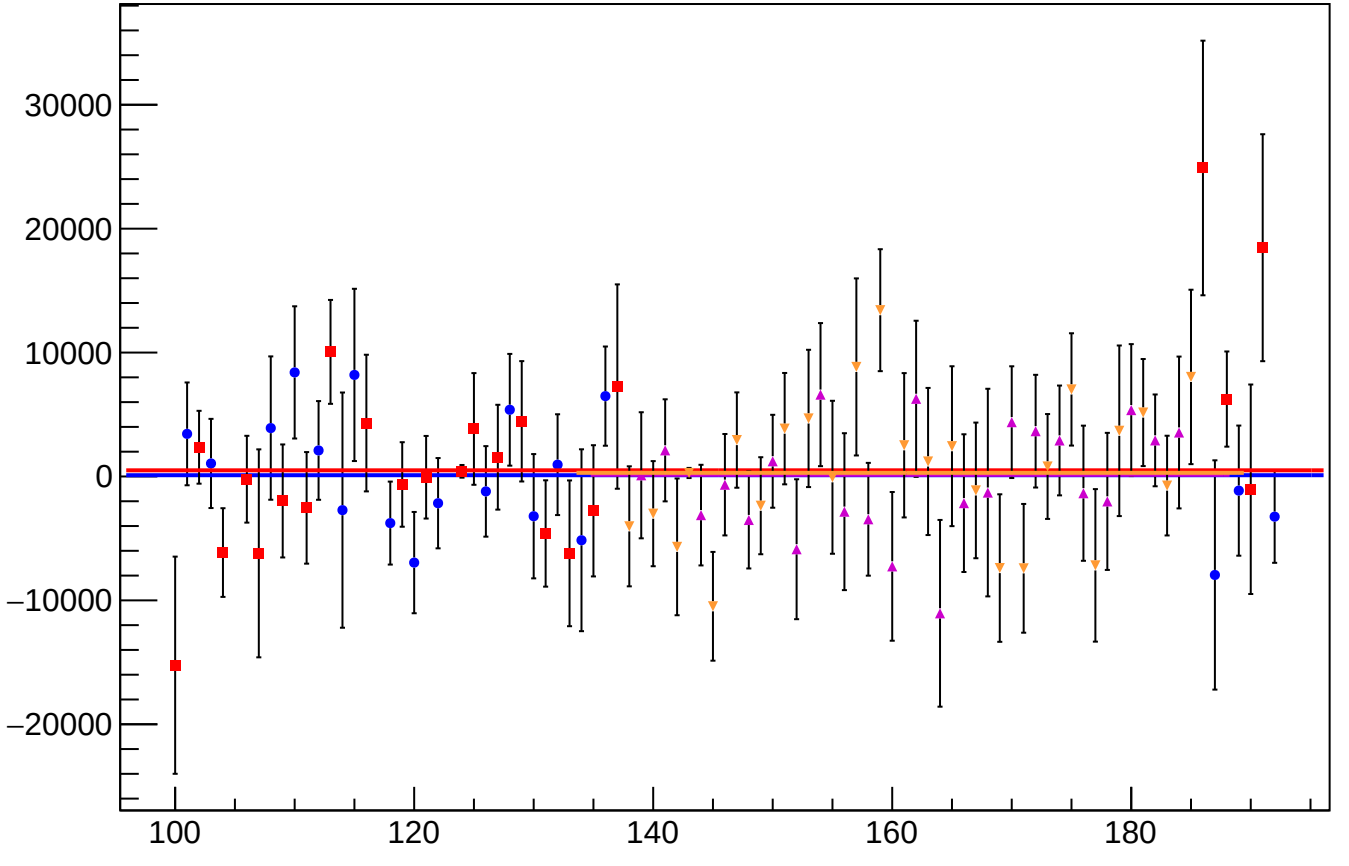
Right: 1761.005+/-0.298 χ^2/NDF: 1308870.6/41

In: 1810.903+/-0.247 χ^2/NDF:764015.1/41

Out: 1823.013+/-0.243 χ^2/NDF:987562.9/47

All: 1817.050+/-0.173 χ^2/NDF: 1752797.6/89

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: 496.213+/-453.073 χ^2/NDF: 31.1/22

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

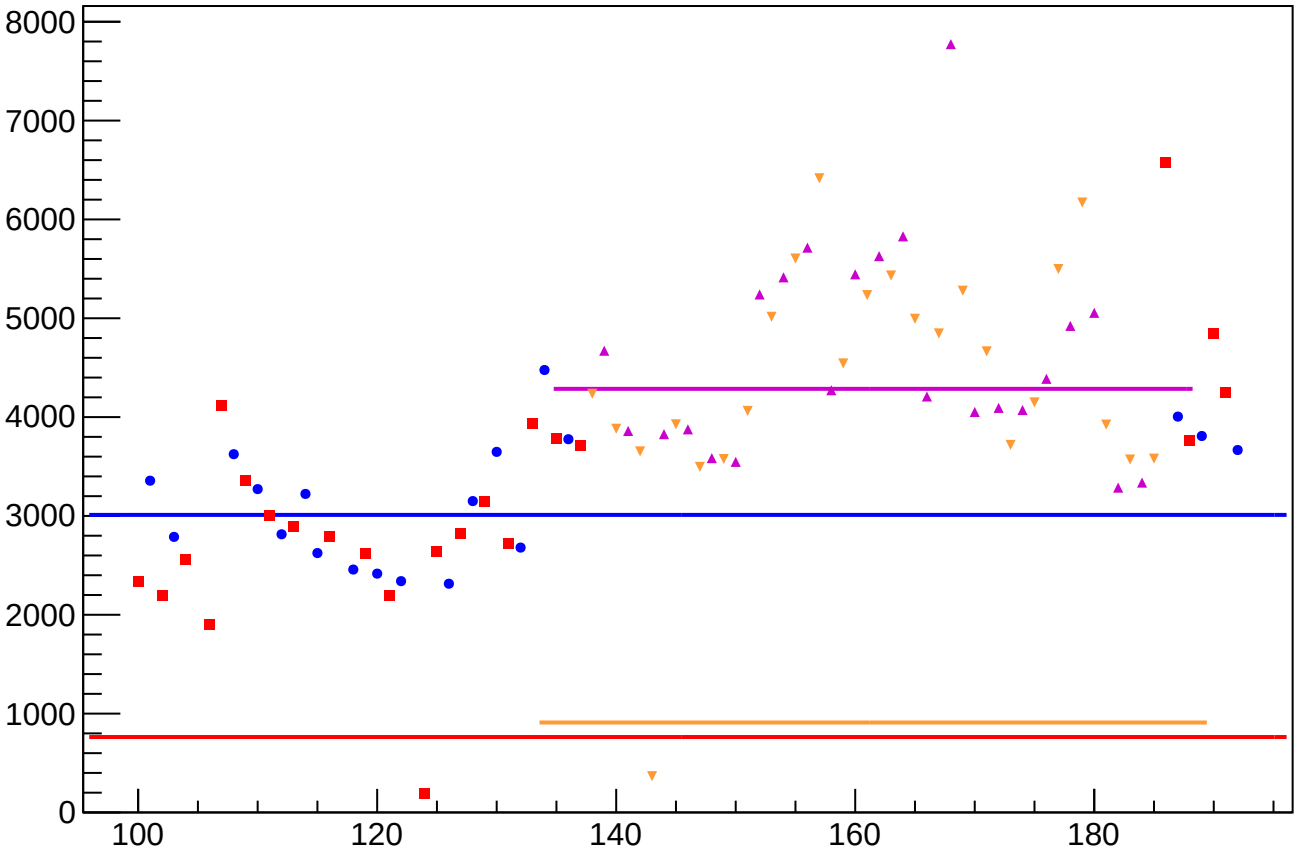
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 432.061+/-414.648 χ^2/NDF: 47.9/41

In: 119.909+/-725.409 χ^2/NDF:30.5/41

Out: 377.724+/-291.117 χ^2/NDF:61.3/47

All: 341.961+/-270.172 χ^2/NDF: 91.9/89



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: 763.195+/-0.320 χ^2/NDF: 12817582.0/22

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

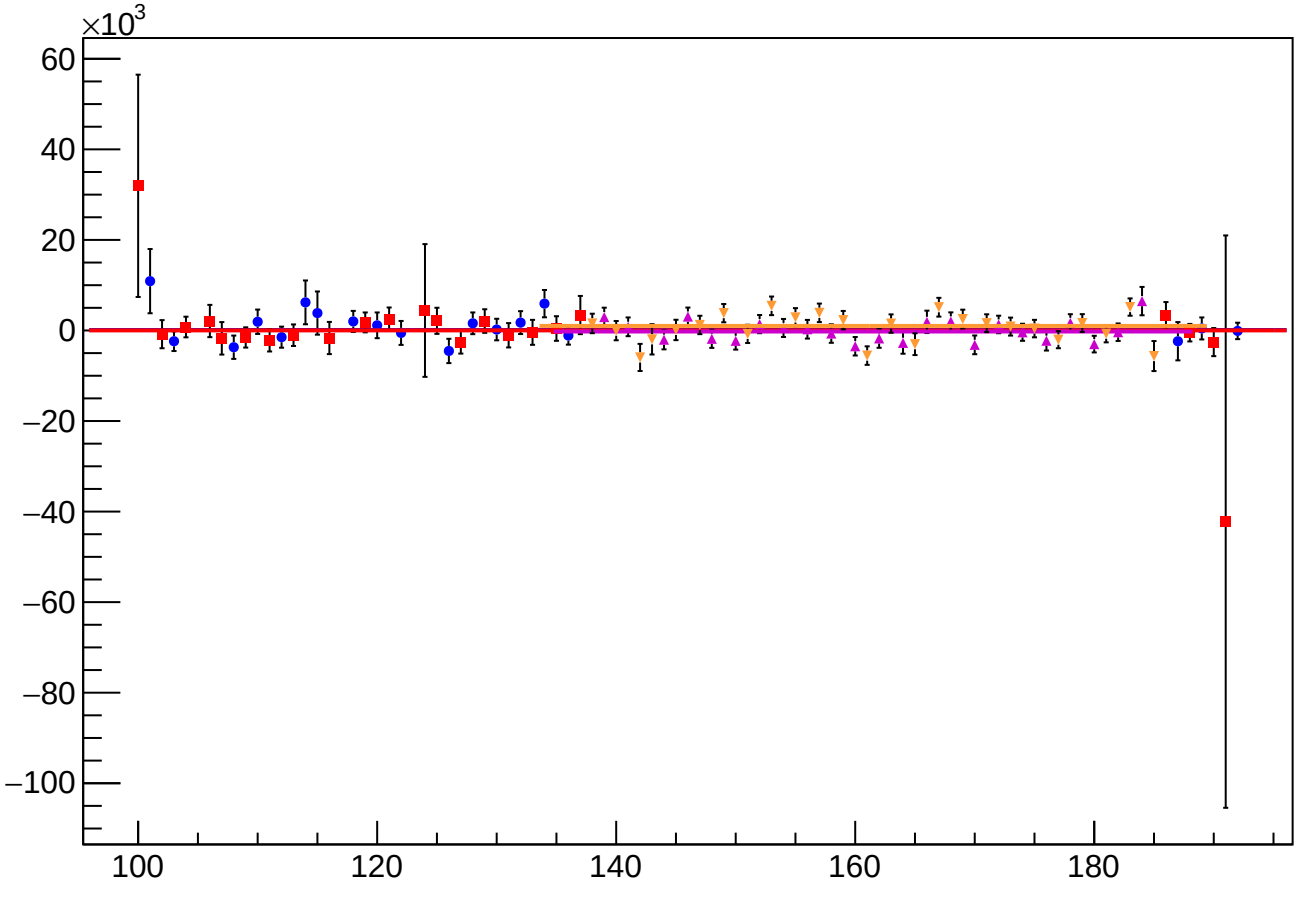
Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

Right: 1128.232+/-0.293 χ^2/NDF: 21440470.4/41

In: 3651.886+/-0.513 χ^2/NDF:3503011.7/41

Out: 849.470+/-0.206 χ^2/NDF:39715220.9/47

All: 1238.201+/-0.191 χ^2/NDF: 68926782.2/8



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: 25.606+/-596.577 χ^2/NDF: 11.3/22

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

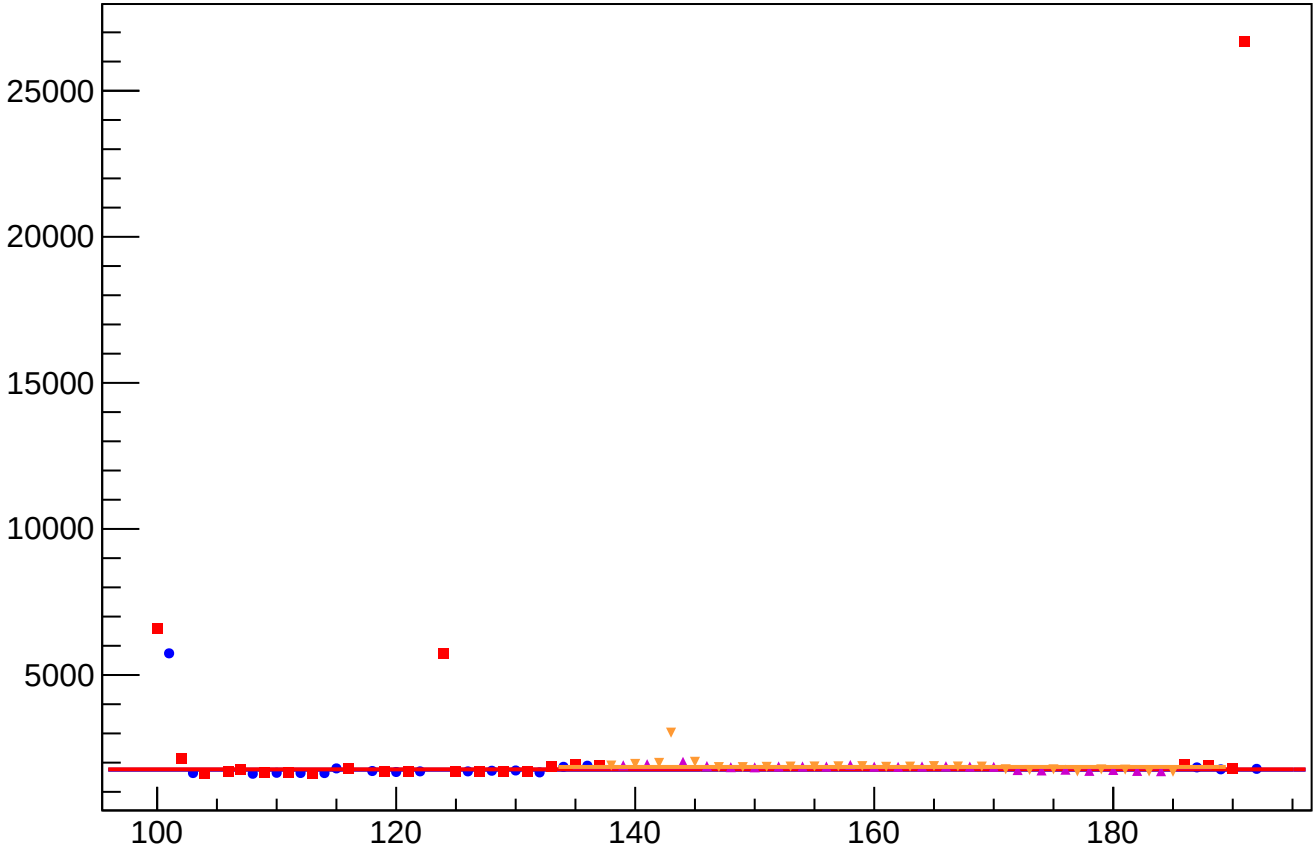
Right: 57.480+/-423.087 χ^2/NDF: 29.3/41

In: -121.128+/-349.371 χ^2/NDF:44.6/41

Out: 677.190+/-344.836 χ^2/NDF:60.5/47

All: 283.247+/-245.423 χ^2/NDF: 107.7/89

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: 1770.608+/-0.421 χ^2/NDF: 629376.6/22

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

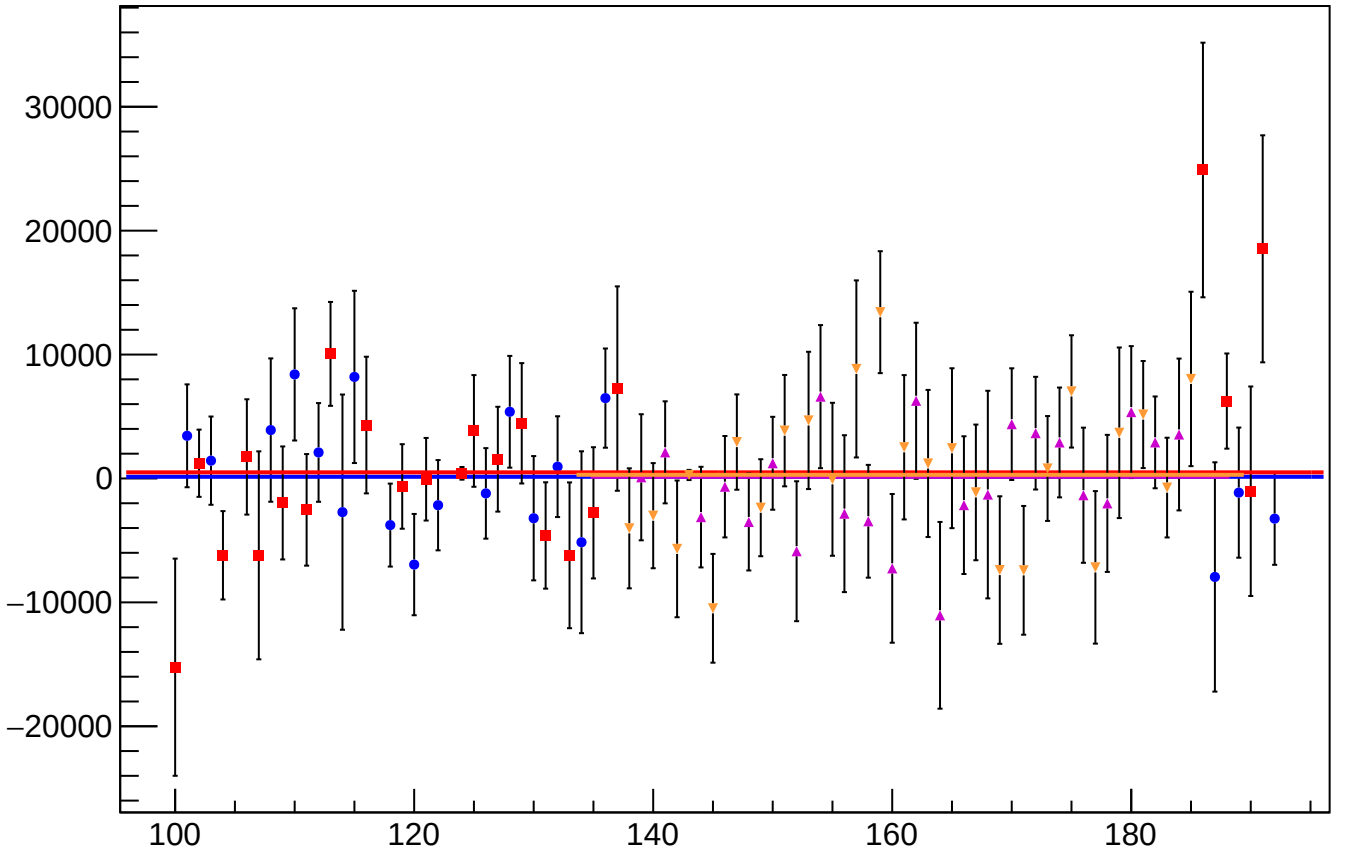
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1763.877+/-0.299 χ^2/NDF: 1301042.5/41

In: 1810.903+/-0.247 χ^2/NDF:764015.5/41

Out: 1825.048+/-0.244 χ^2/NDF:975634.7/47

All: 1818.076+/-0.173 χ^2/NDF: 1741312.5/89



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: 494.684+/-453.959 χ^2/NDF: 30.9/22

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

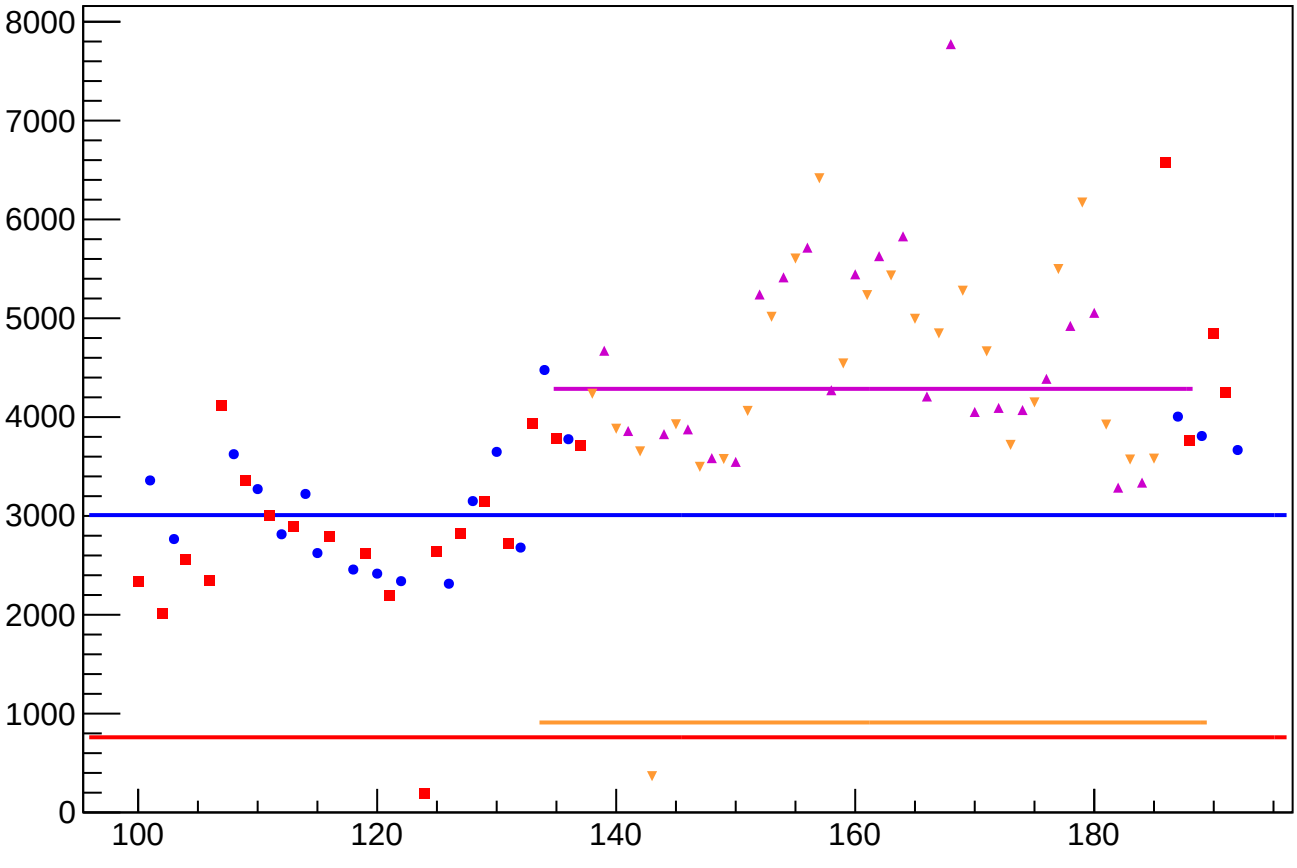
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 436.000+/-415.271 χ^2/NDF: 47.7/41

In: 136.677+/-725.111 χ^2/NDF:30.6/41

Out: 377.440+/-291.364 χ^2/NDF:61.1/47

All: 343.970+/-270.355 χ^2/NDF: 91.8/89



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: 760.489+/-0.321 χ^2/NDF: 12778646.2/22

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

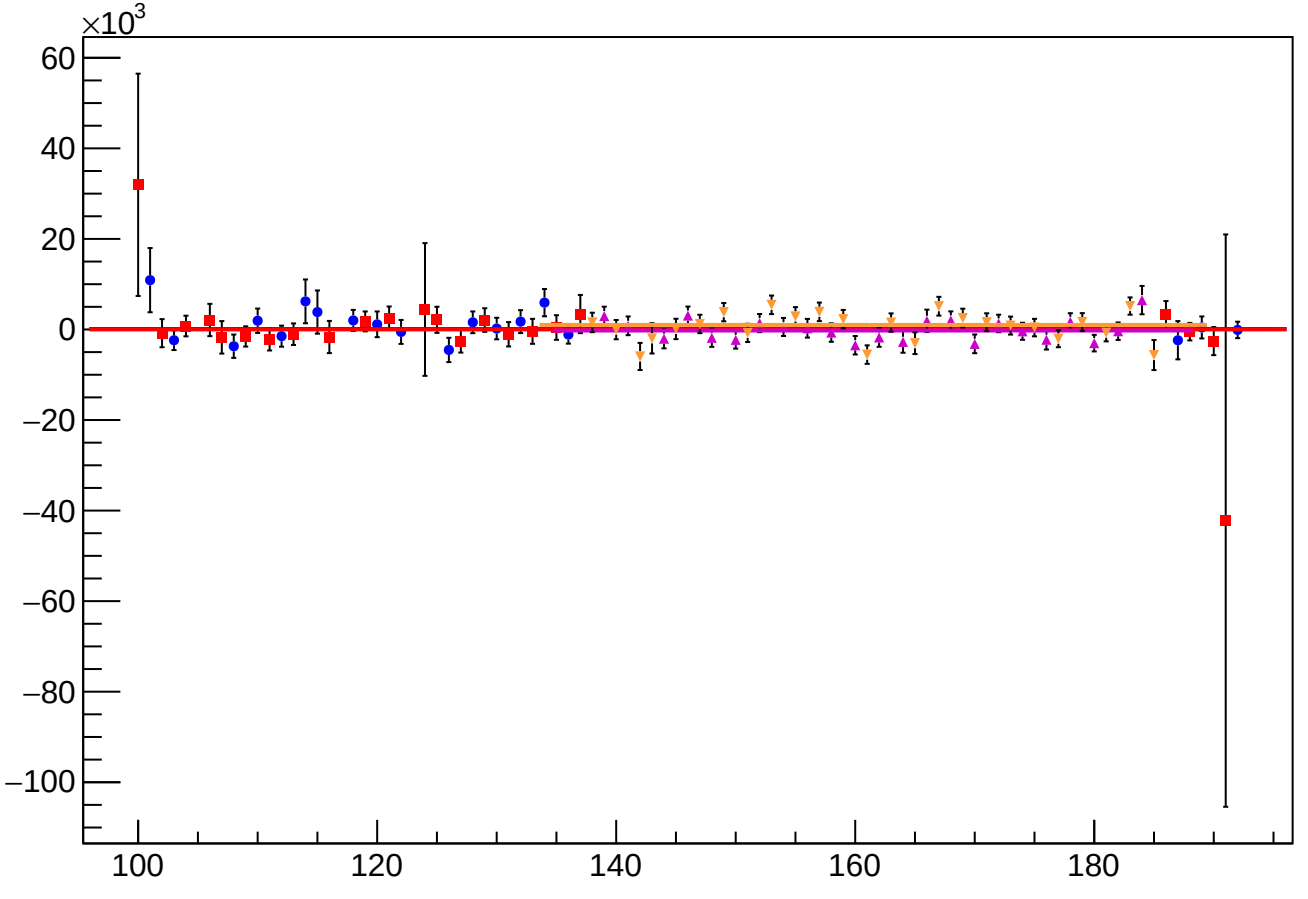
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1127.326+/-0.294 χ^2/NDF: 21413782.6/41

In: 3650.315+/-0.513 χ^2/NDF:3511335.6/41

Out: 848.559+/-0.206 χ^2/NDF:39679621.4/47

All: 1238.043+/-0.191 χ^2/NDF: 68899501.4/8



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: 25.606+/-596.577 χ^2/NDF: 11.3/22

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

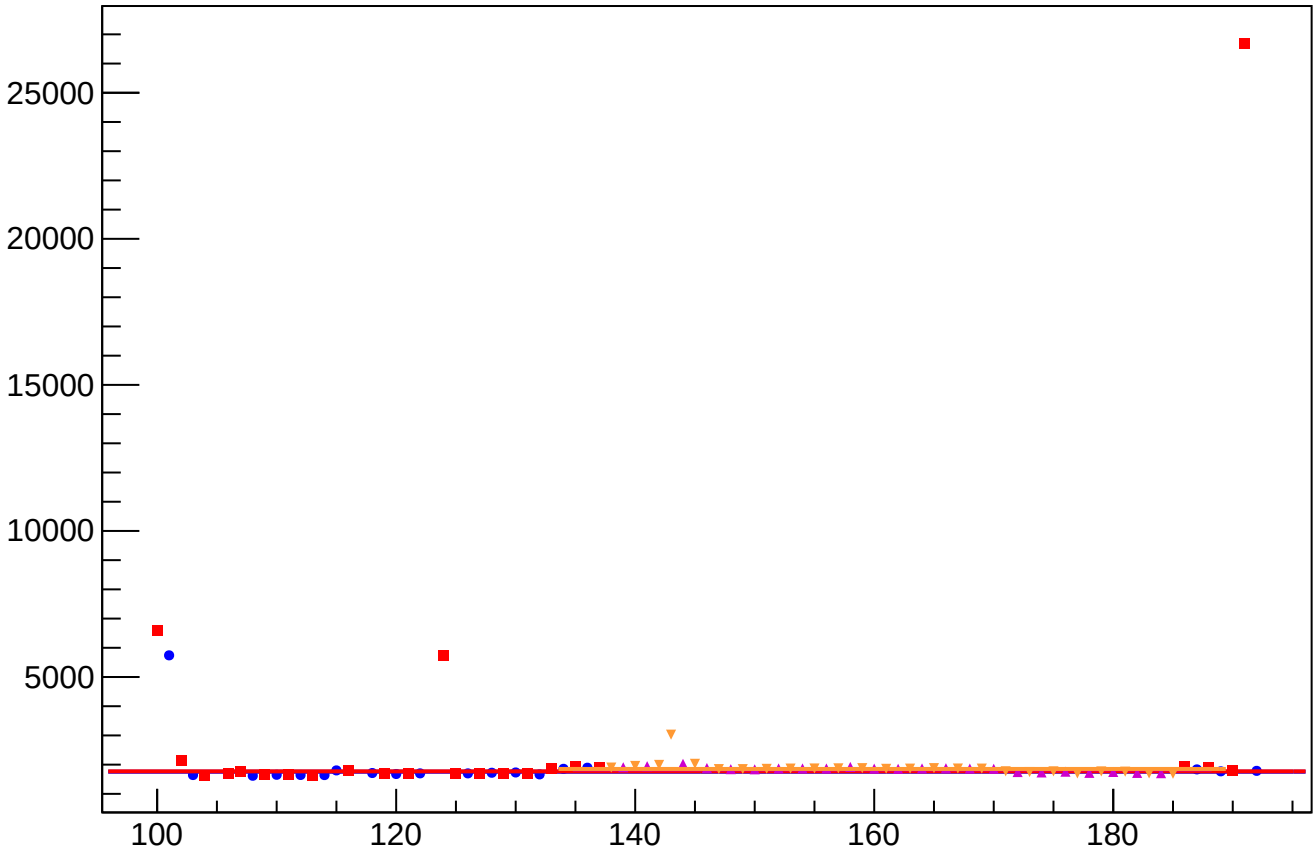
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 57.480+/-423.087 χ^2/NDF: 29.3/41

In: -121.128+/-349.371 χ^2/NDF:44.6/41

Out: 677.190+/-344.836 χ^2/NDF:60.5/47

All: 283.247+/-245.423 χ^2/NDF: 107.7/89



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: 1770.608+/-0.421 χ^2/NDF: 629376.6/22

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

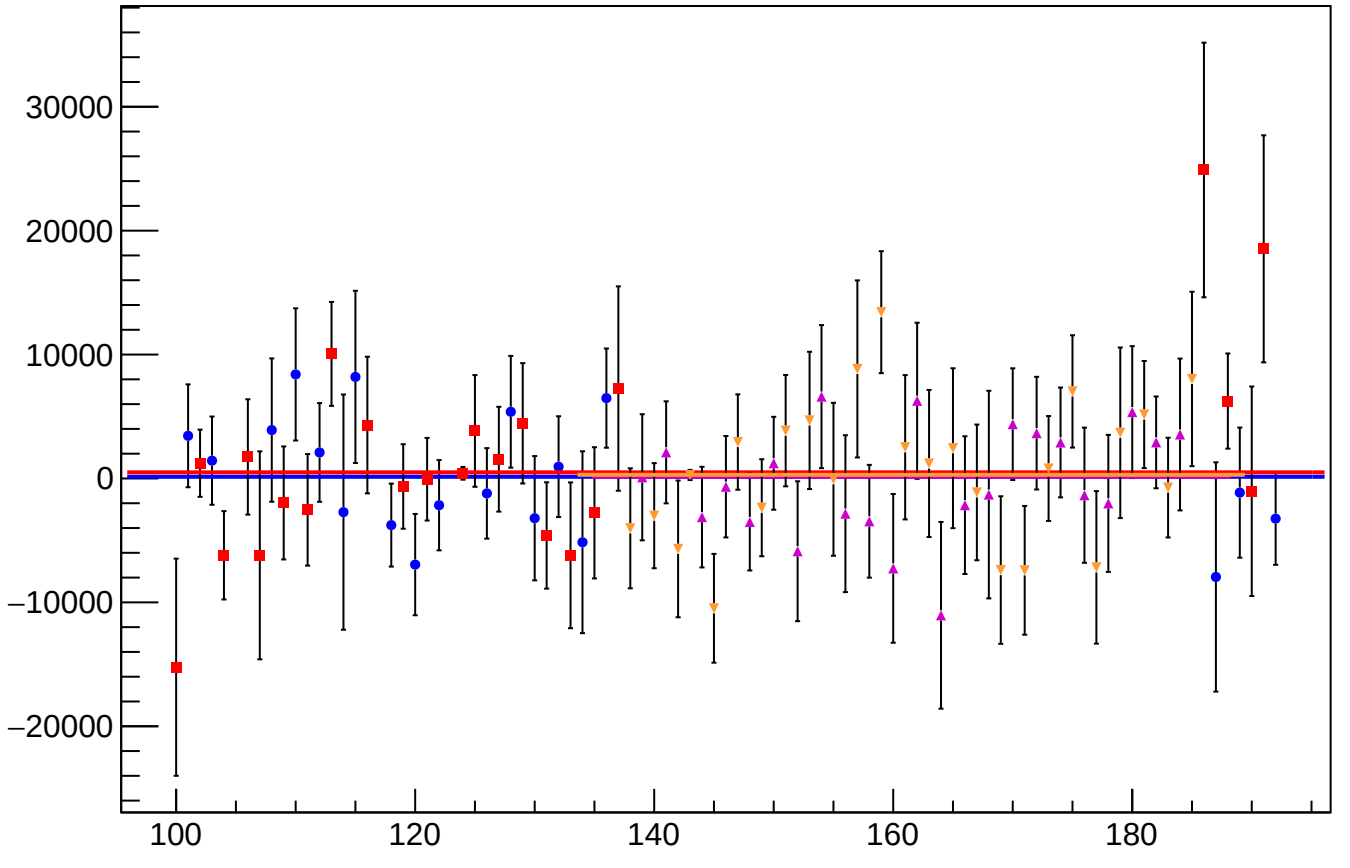
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1763.877+/-0.299 χ^2/NDF: 1301042.5/41

In: 1810.903+/-0.247 χ^2/NDF:764015.5/41

Out: 1825.048+/-0.244 χ^2/NDF:975634.7/47

All: 1818.076+/-0.173 χ^2/NDF: 1741312.5/89



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: 494.684+/-453.959 χ^2/NDF: 30.9/22

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

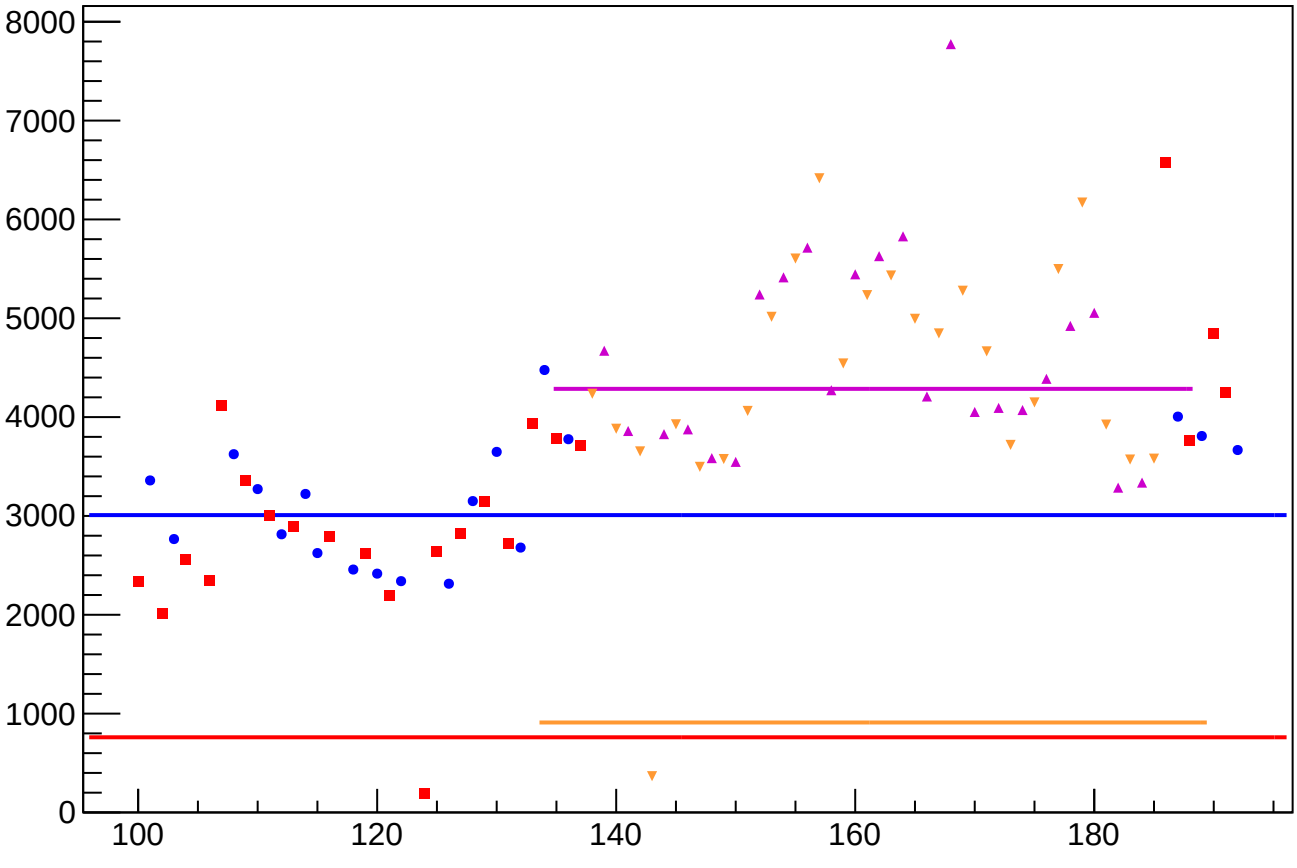
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 436.000+/-415.271 χ^2/NDF: 47.7/41

In: 136.677+/-725.111 χ^2/NDF:30.6/41

Out: 377.440+/-291.364 χ^2/NDF:61.1/47

All: 343.970+/-270.355 χ^2/NDF: 91.8/89



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: 760.489+/-0.321 χ^2/NDF: 12778646.2/22

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

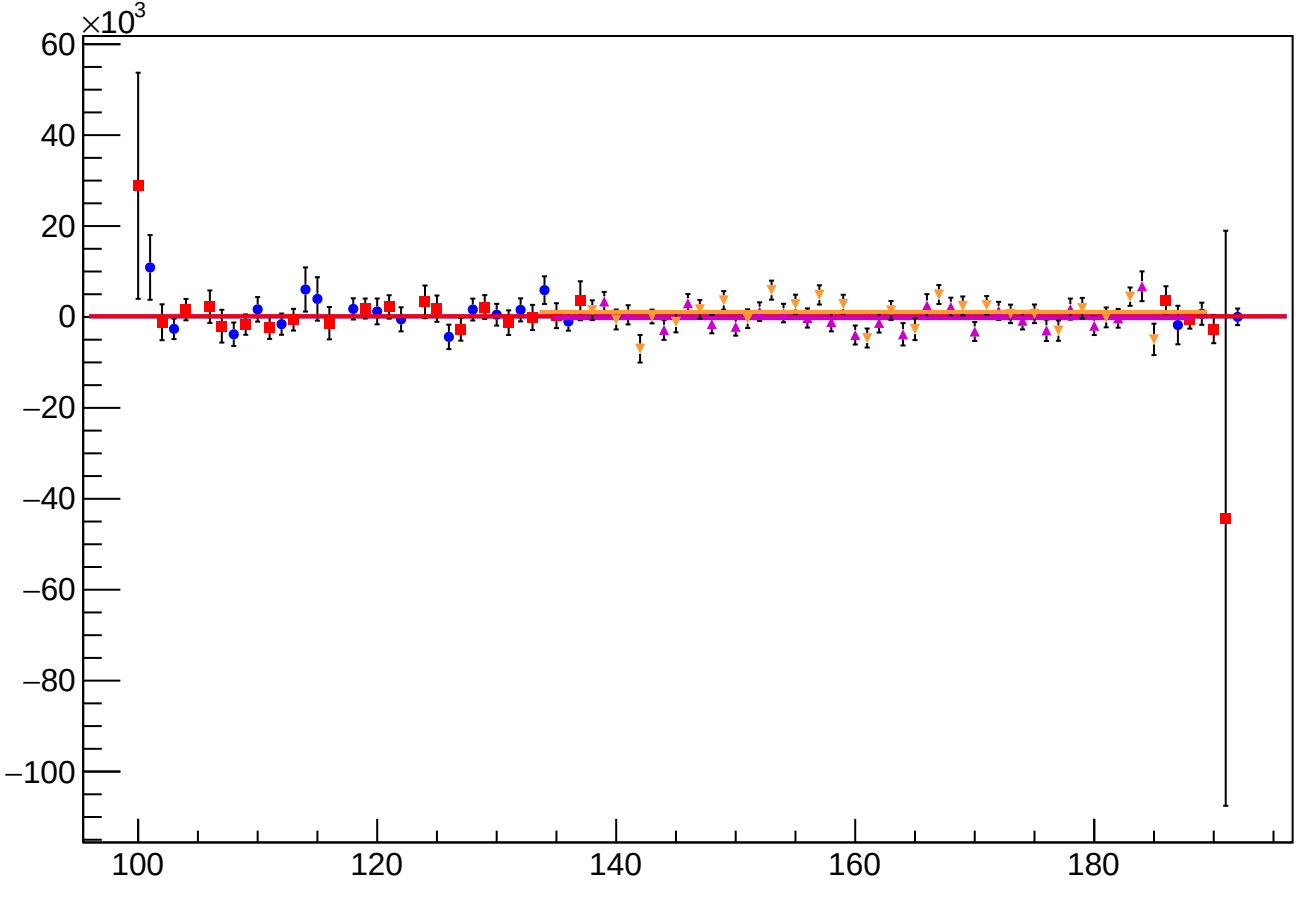
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1127.326+/-0.294 χ^2/NDF: 21413782.6/41

In: 3650.315+/-0.513 χ^2/NDF:3511335.6/41

Out: 848.559+/-0.206 χ^2/NDF:39679621.4/47

All: 1238.043+/-0.191 χ^2/NDF: 68899501.4/8



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: 153.678+/-596.182 χ^2/NDF: 12.6/22

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

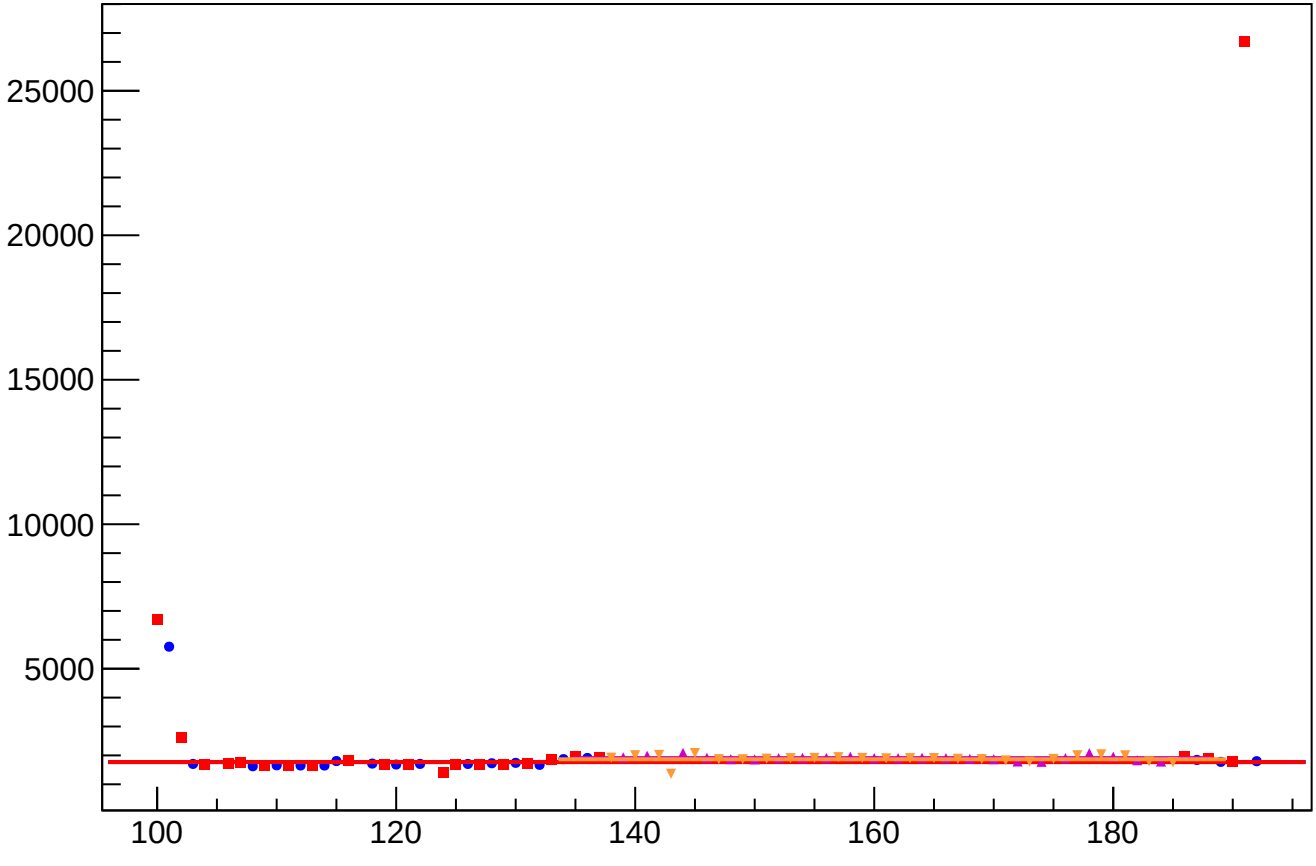
Right: 136.214+/-424.312 χ^2/NDF: 30.1/41

In: -129.764+/-358.455 χ^2/NDF:45.5/41

Out: 783.010+/-346.241 χ^2/NDF:59.1/47

All: 342.439+/-249.036 χ^2/NDF: 107.9/89

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: 1770.012+/-0.421 χ^2/NDF: 560286.1/22

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

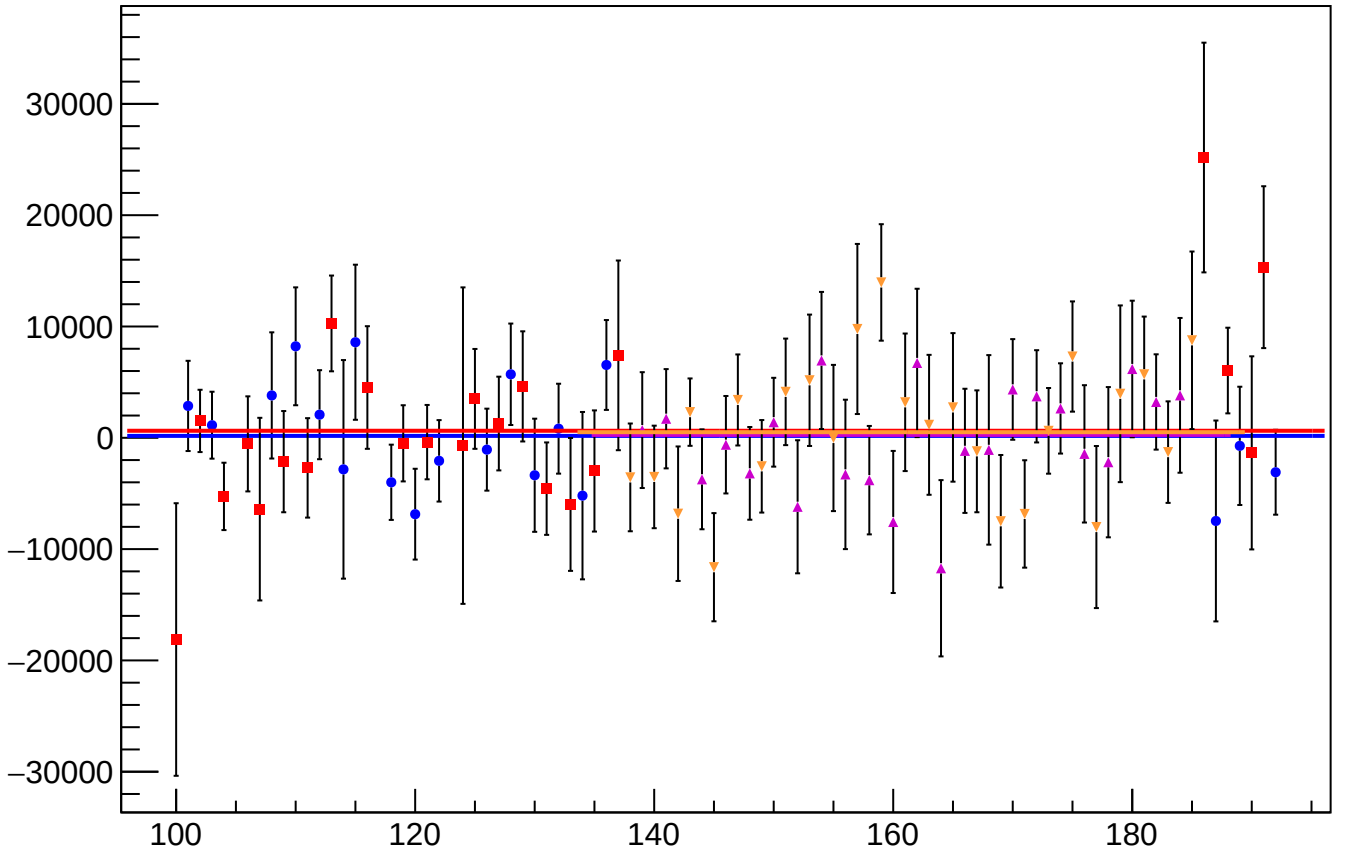
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1769.326+/-0.300 χ^2/NDF: 1229373.4/41

In: 1857.377+/-0.253 χ^2/NDF:788525.2/41

Out: 1832.755+/-0.245 χ^2/NDF:888638.0/47

All: 1844.629+/-0.176 χ^2/NDF: 1682048.8/89



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: 633.277+/-967.460 χ^2/NDF: 30.4/22

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

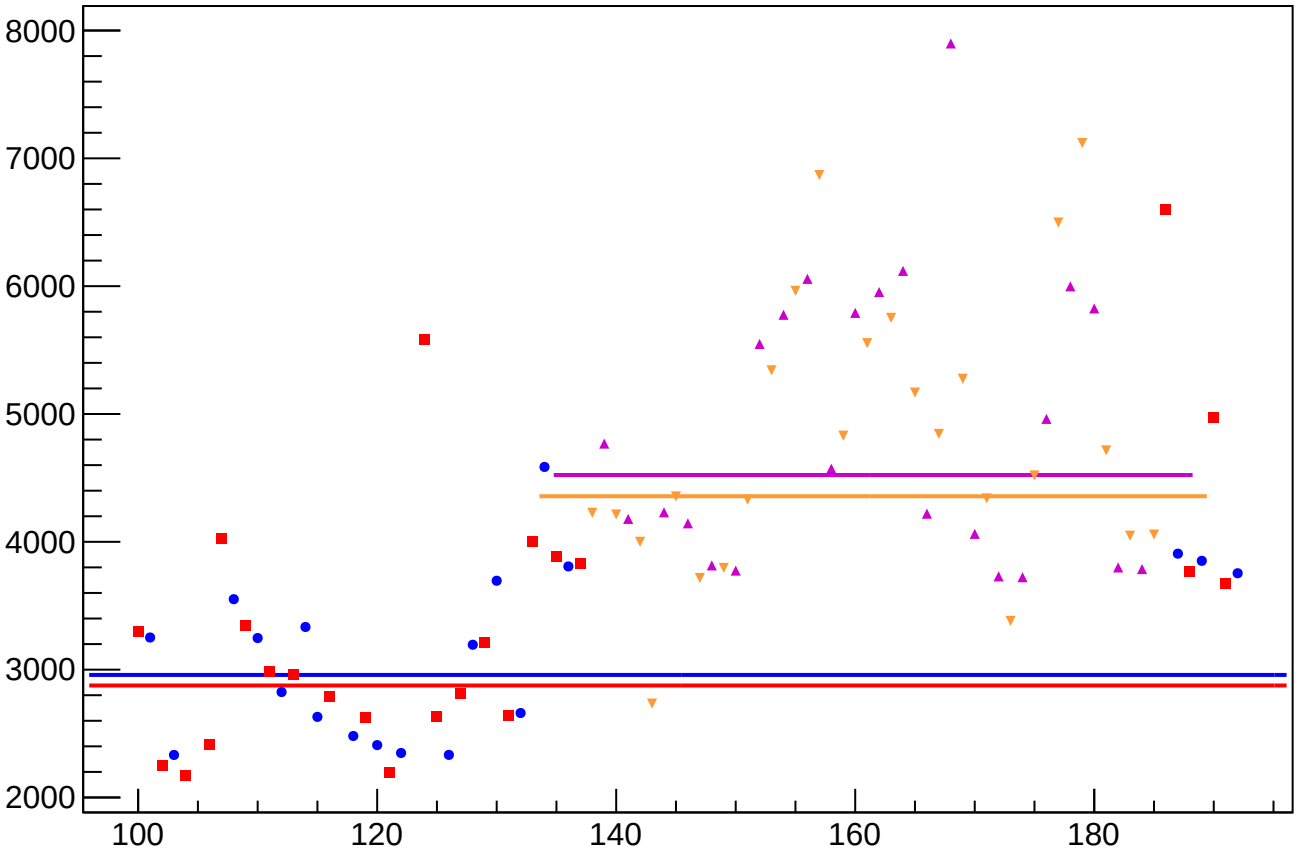
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 413.899+/-700.167 χ^2/NDF: 47.0/41

In: 214.022+/-739.917 χ^2/NDF:30.1/41

Out: 572.284+/-702.485 χ^2/NDF:60.5/47

All: 402.444+/-509.451 χ^2/NDF: 90.7/89



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: 2876.103+/-0.684 χ^2/NDF: 1160034.9/22

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

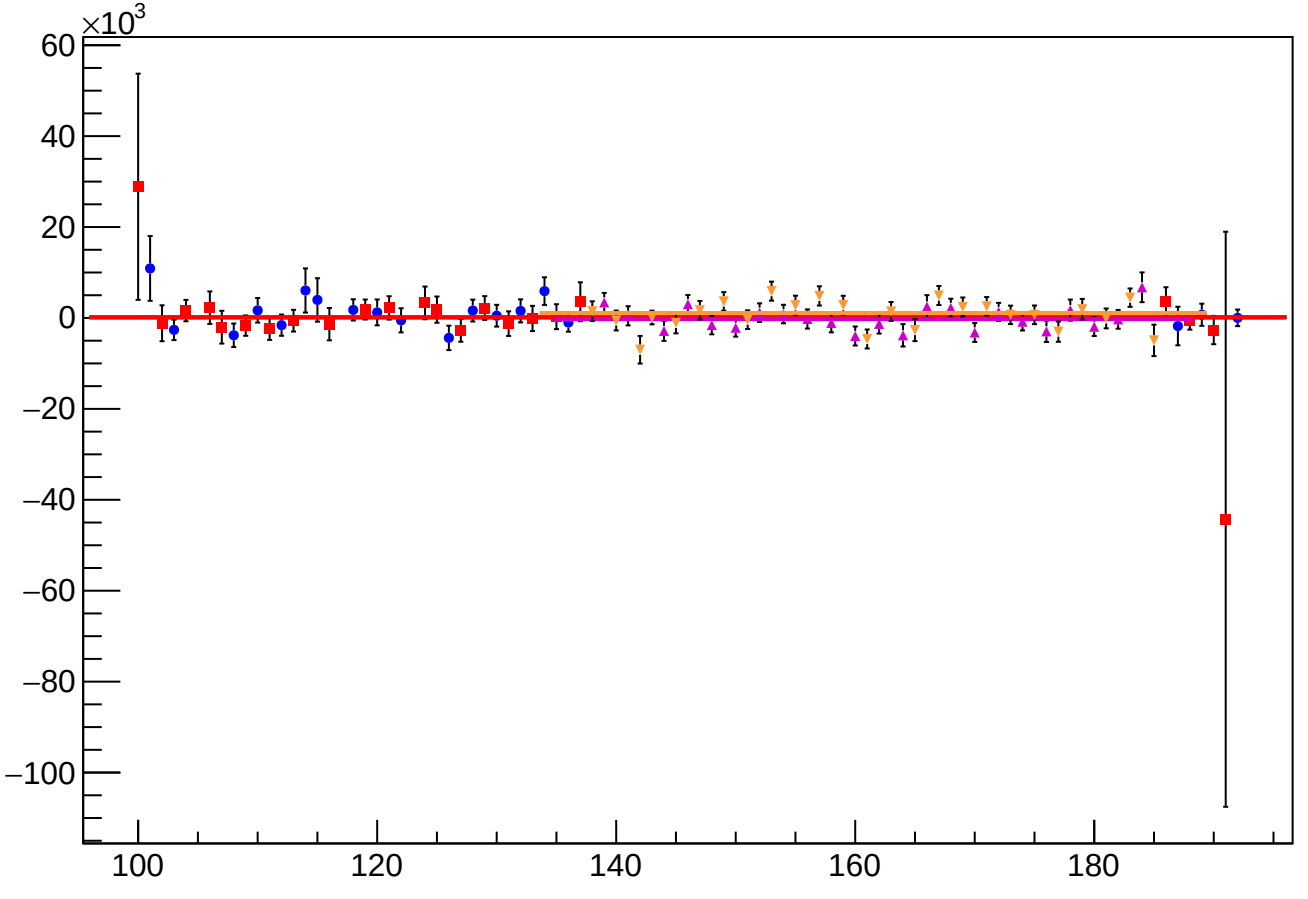
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 2915.449+/-0.495 χ^2/NDF: 1897015.5/41

In: 3690.951+/-0.523 χ^2/NDF:4389138.0/41

Out: 3576.043+/-0.497 χ^2/NDF:5286705.4/47

All: 3630.517+/-0.360 χ^2/NDF: 9701211.7/89



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: 153.674+/-596.182 χ^2/NDF: 12.6/22

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

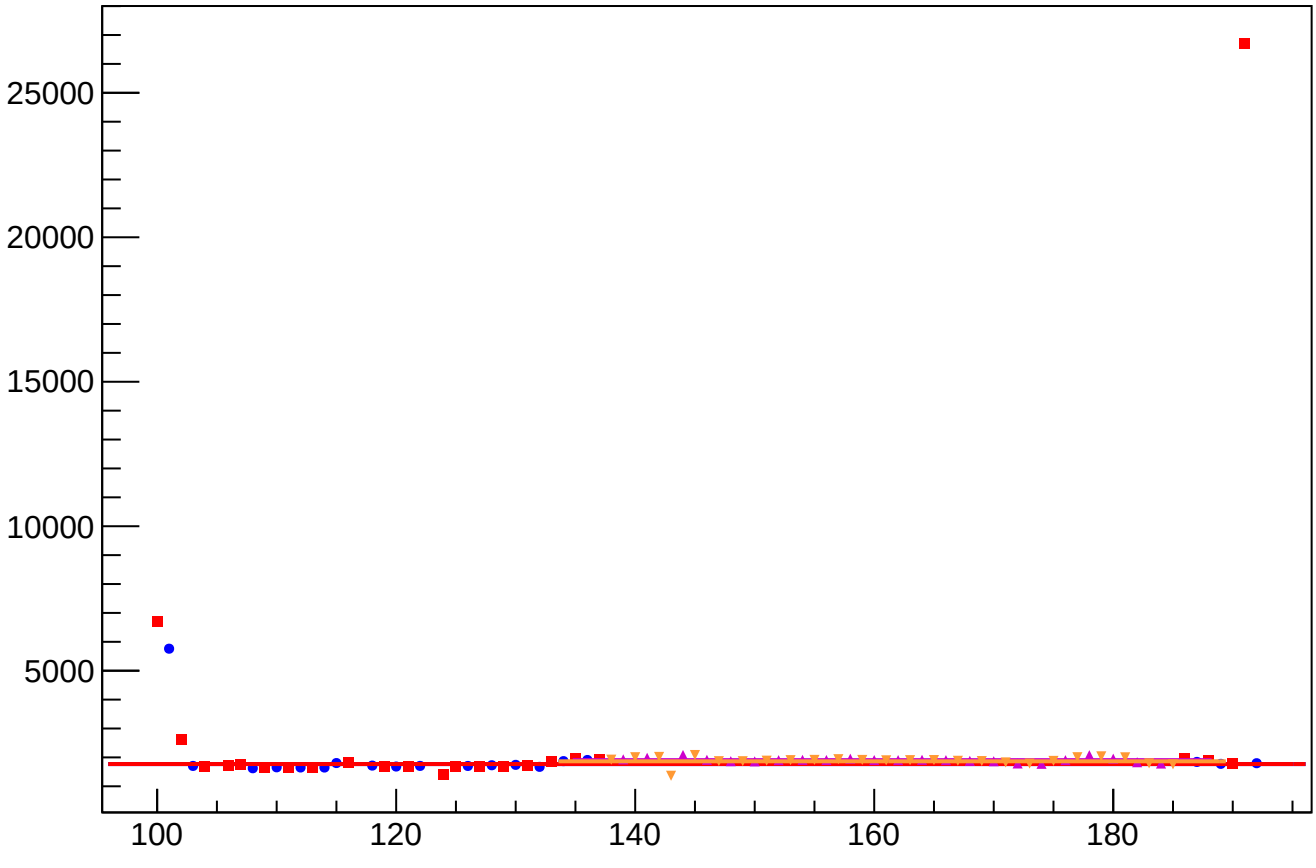
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 136.211+/-424.312 χ^2/NDF: 30.1/41

In: -129.765+/-358.455 χ^2/NDF:45.5/41

Out: 783.010+/-346.241 χ^2/NDF:59.1/47

All: 342.438+/-249.036 χ^2/NDF: 107.9/89



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: 1770.012+/-0.421 χ^2/NDF: 560286.0/22

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

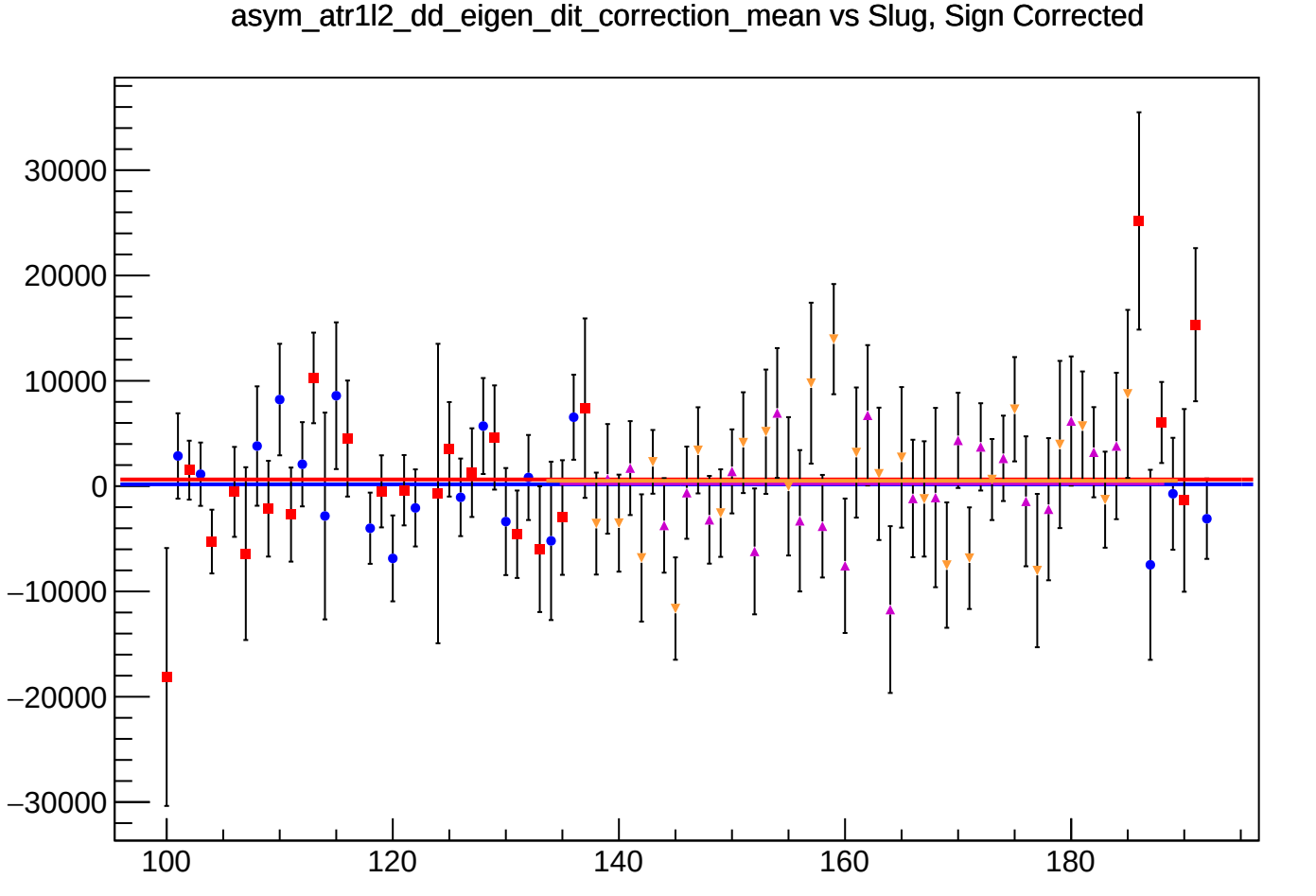
Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

Right: 1769.326+/-0.300 χ^2/NDF: 1229373.3/41

In: 1857.377+/-0.253 χ^2/NDF:788528.4/41

Out: 1832.755+/-0.245 χ^2/NDF:888642.1/47

All: 1844.630+/-0.176 χ^2/NDF: 1682056.1/89



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: 633.273+/-967.458 χ^2/NDF: 30.4/22

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

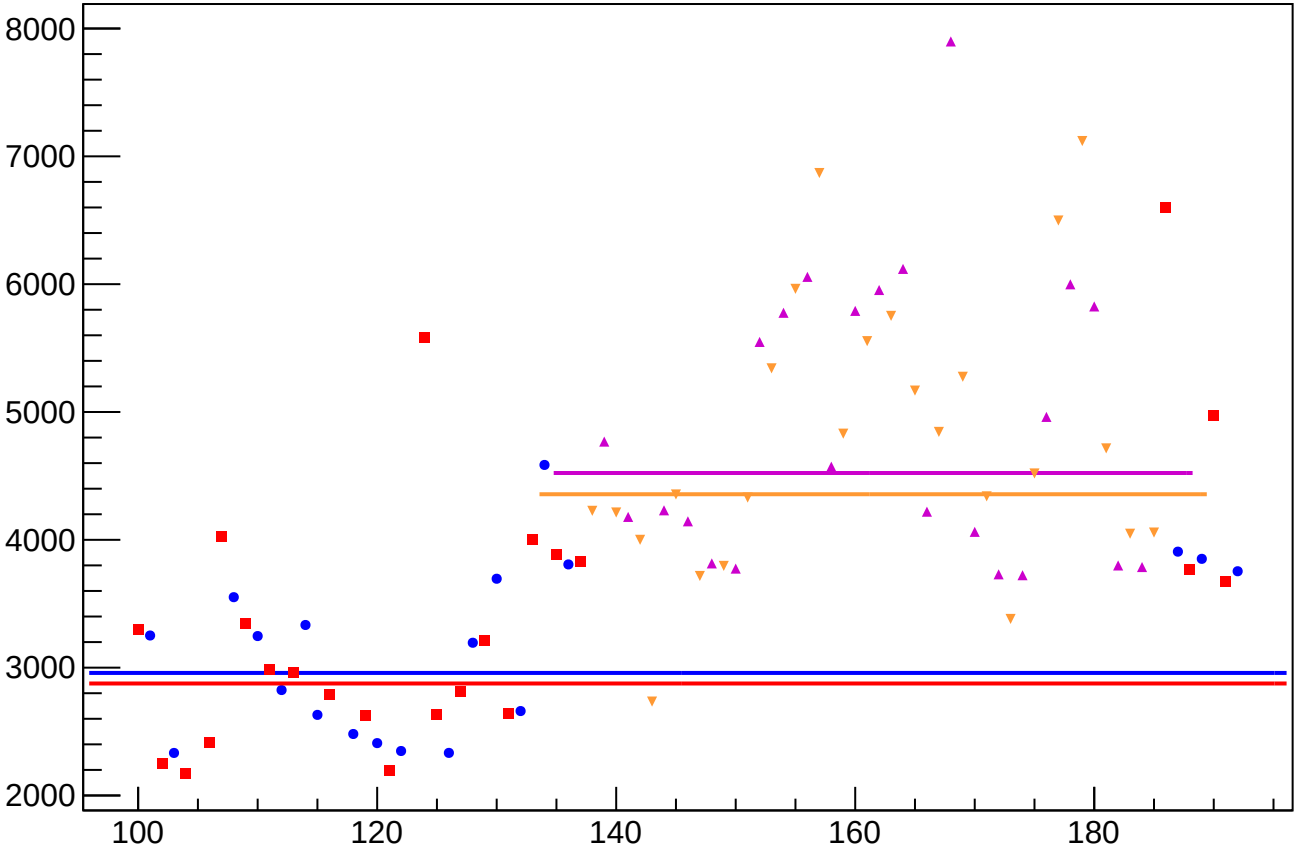
Right: 413.895+/-700.166 χ^2/NDF: 47.0/41

In: 214.020+/-739.917 χ^2/NDF:30.1/41

Out: 572.283+/-702.485 χ^2/NDF:60.5/47

All: 402.443+/-509.451 χ^2/NDF: 90.7/89

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 2876.097+/-0.684 χ^2/NDF: 1160035.8/22

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

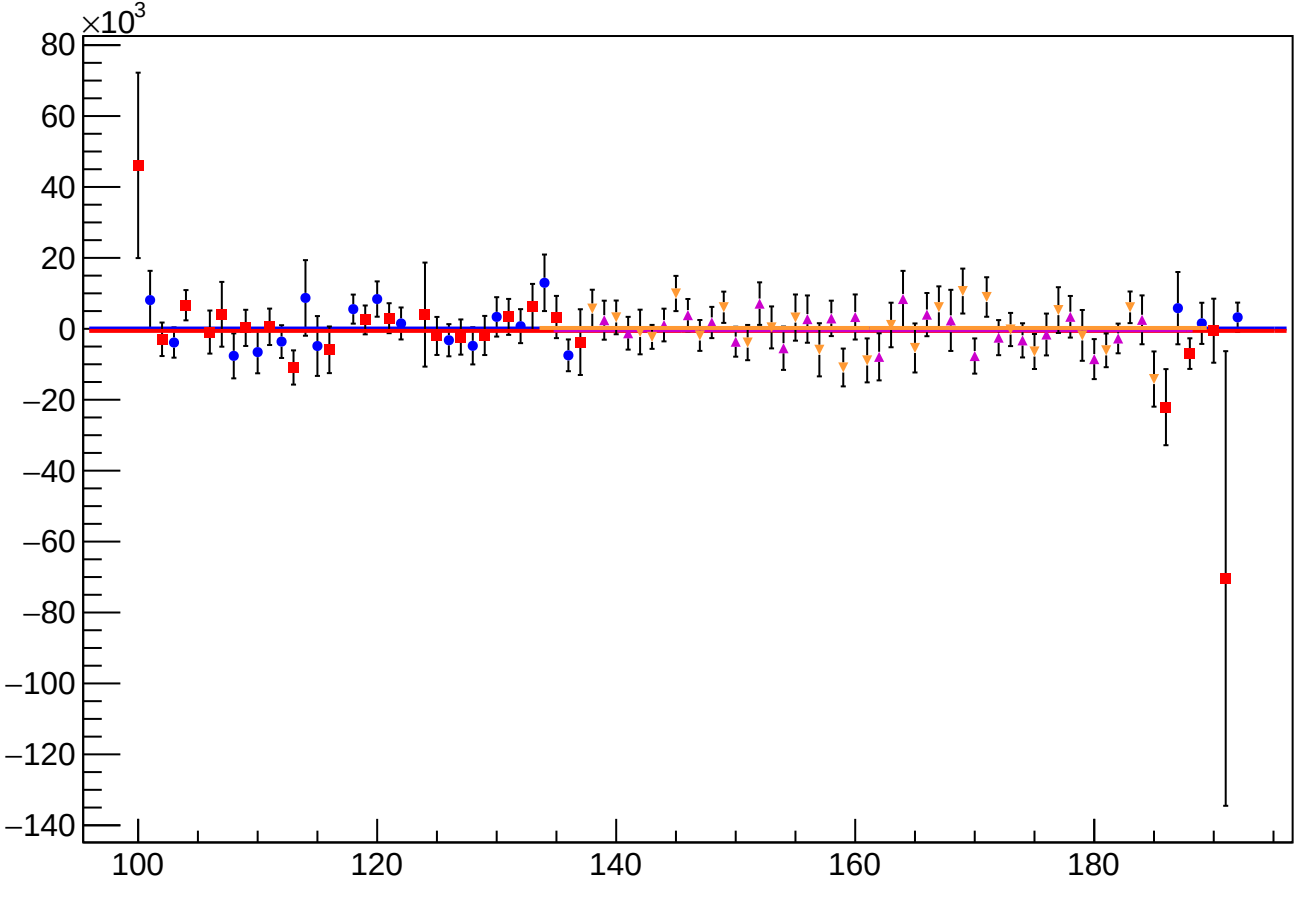
Right: 2915.443+/-0.495 χ^2/NDF: 1897024.8/41

In: 3690.948+/-0.523 χ^2/NDF:4389189.4/41

Out: 3576.041+/-0.497 χ^2/NDF:5286747.4/47

All: 3630.515+/-0.360 χ^2/NDF: 9701304.8/89

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: -583.371+/-1204.401 χ^2/NDF: 23.2/22

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

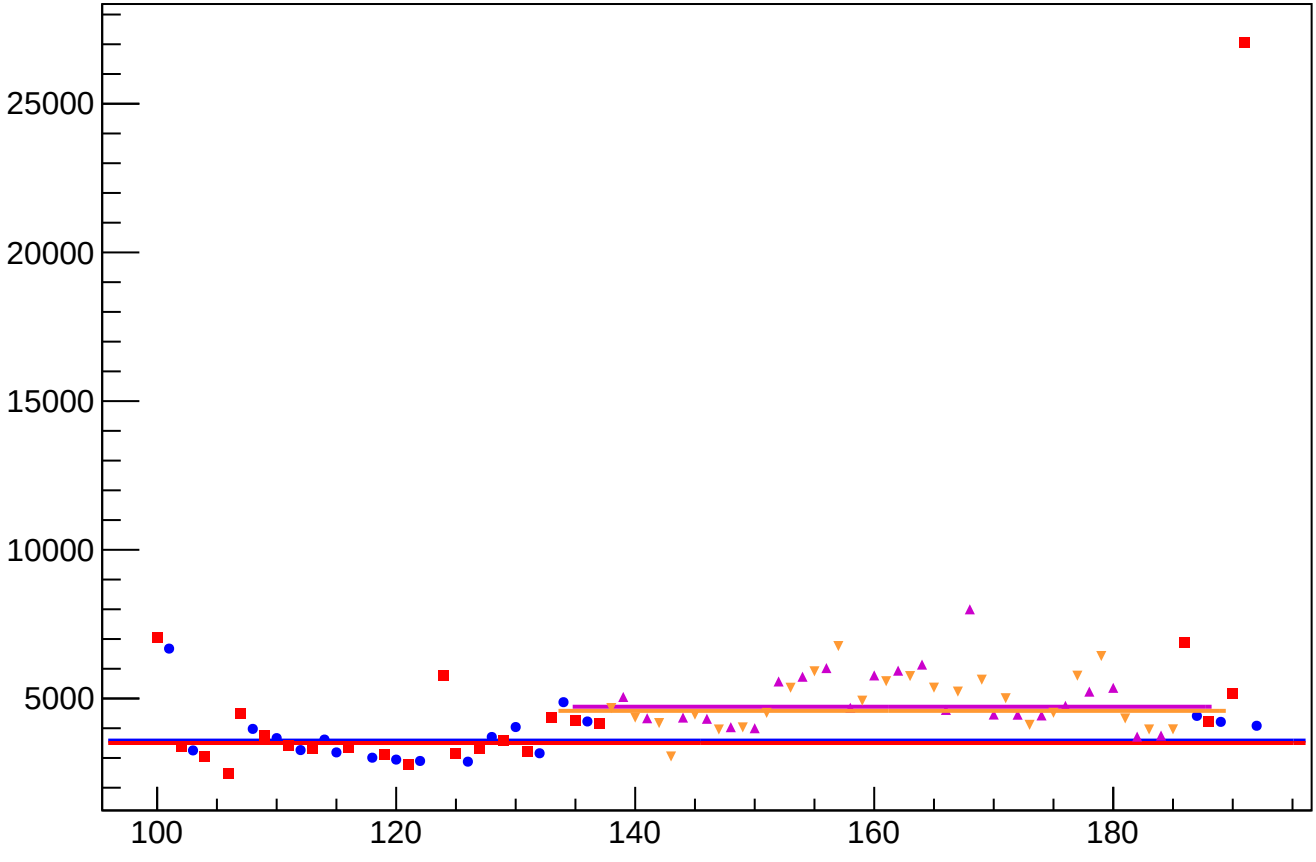
Right: -259.555+/-859.221 χ^2/NDF: 42.3/41

In: -182.032+/-827.472 χ^2/NDF:33.3/41

Out: -121.205+/-797.675 χ^2/NDF:55.6/47

All: -150.503+/-574.287 χ^2/NDF: 88.9/89

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: 3504.031+/-0.841 χ^2/NDF: 1000126.4/22

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

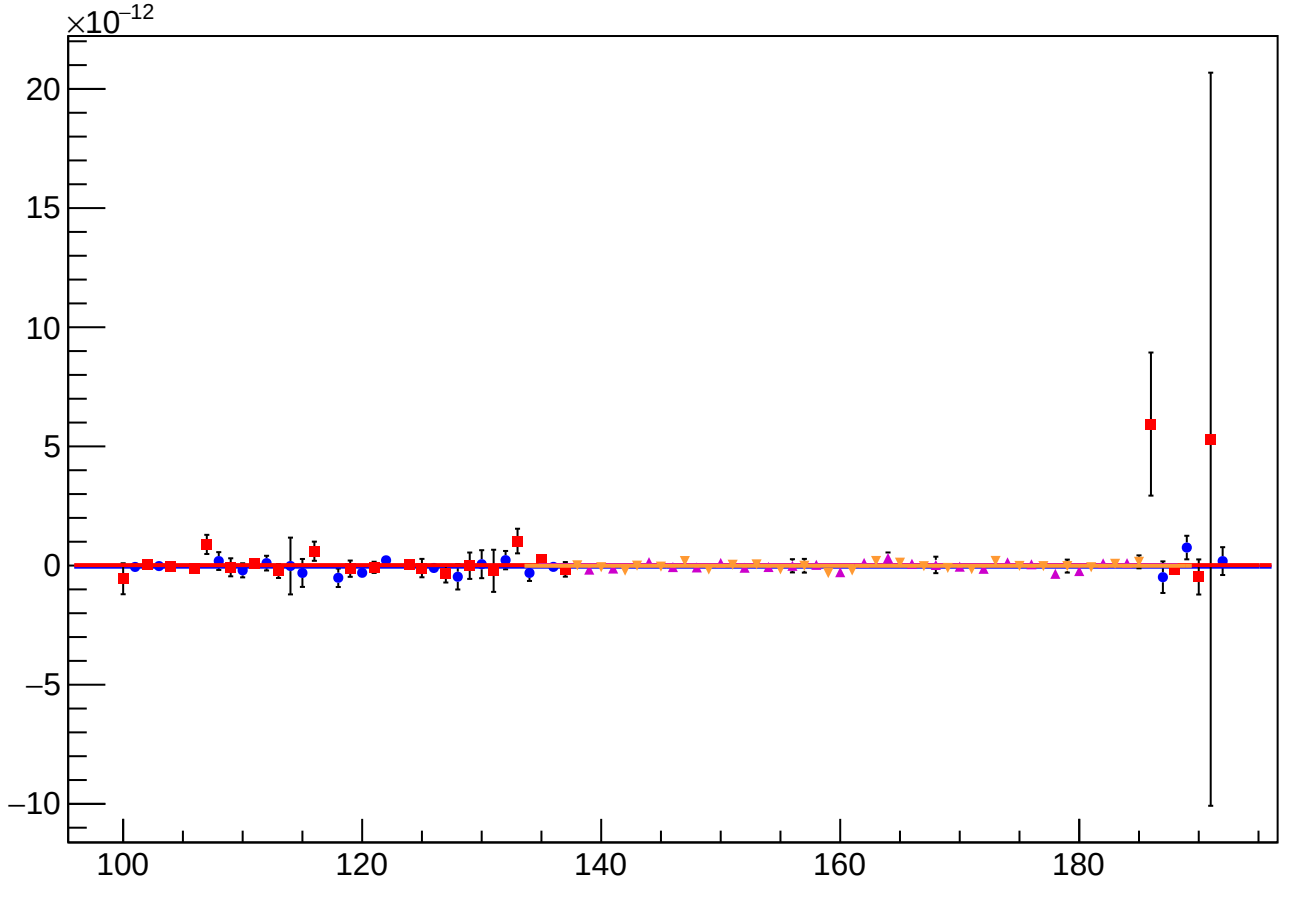
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3542.956+/-0.604 χ^2/NDF: 1677077.6/41

In: 4204.407+/-0.585 χ^2/NDF:2628466.1/41

Out: 4103.974+/-0.561 χ^2/NDF:3228409.1/47

All: 4152.072+/-0.405 χ^2/NDF: 5872228.2/89



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: 23.6/22

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

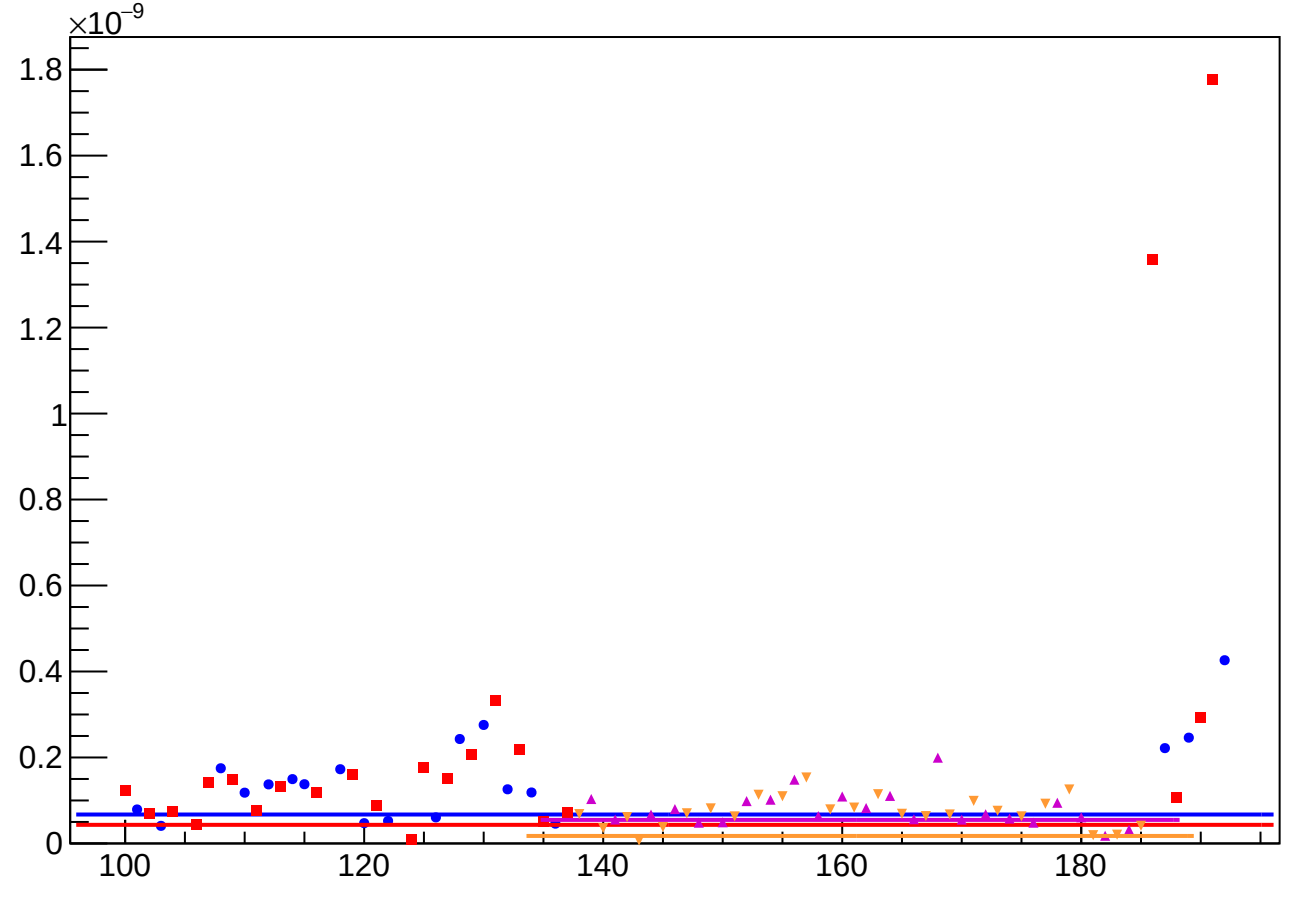
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 36.9/41

In: 0.000+/-0.000 χ^2/NDF:39.5/41

Out: -0.000+/-0.000 χ^2/NDF:46.9/47

All: -0.000+/-0.000 χ^2/NDF: 86.5/89



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: 4007428.7/22

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

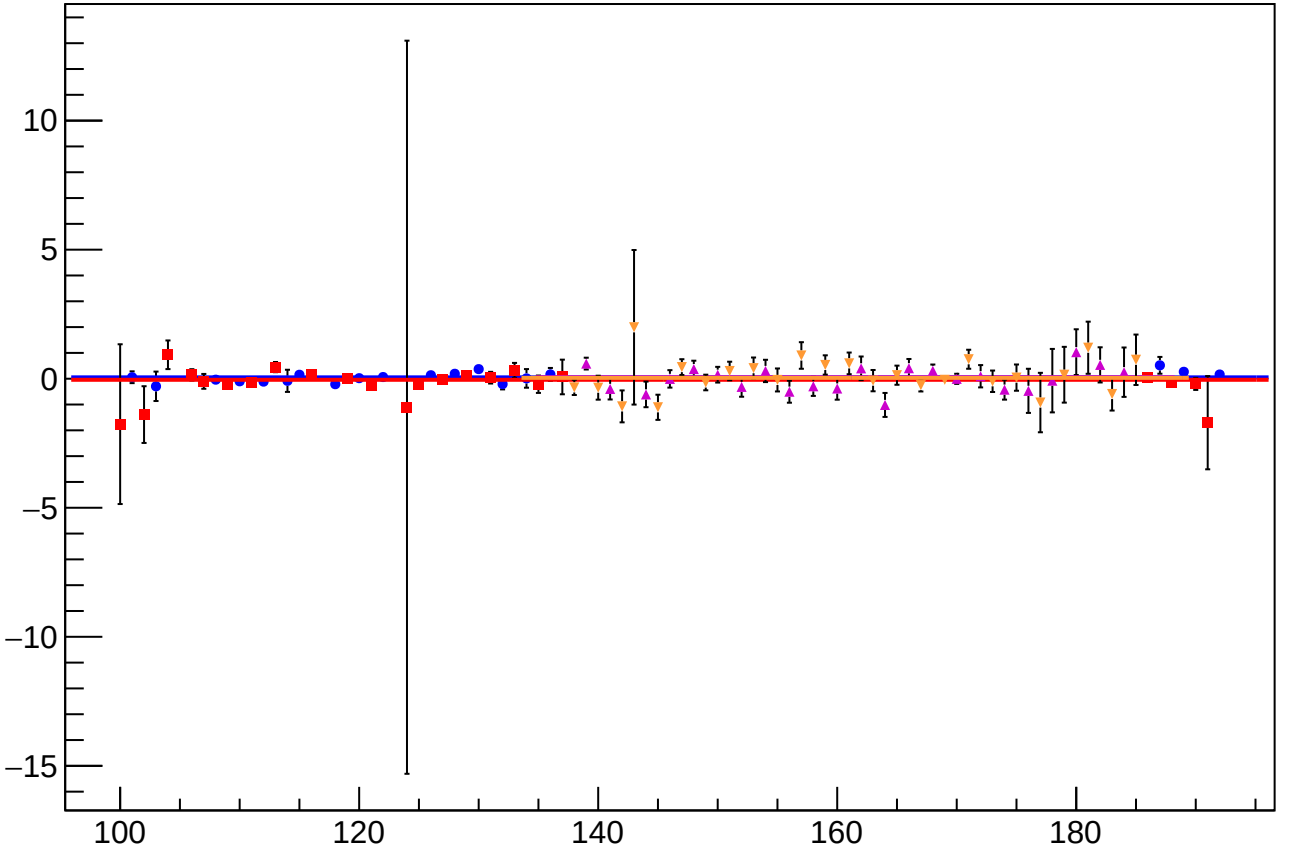
Right: 0.000+/-0.000 χ^2/NDF: 6945808.7/41

In: 0.000+/-0.000 χ^2/NDF:5498685.6/41

Out: 0.000+/-0.000 χ^2/NDF:13854647.1/47

All: 0.000+/-0.000 χ^2/NDF: 24467268.5/89

asym_atr1l2_dd_dit_vs_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: -0.042+/-0.038 χ^2/NDF: 25.2/22

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

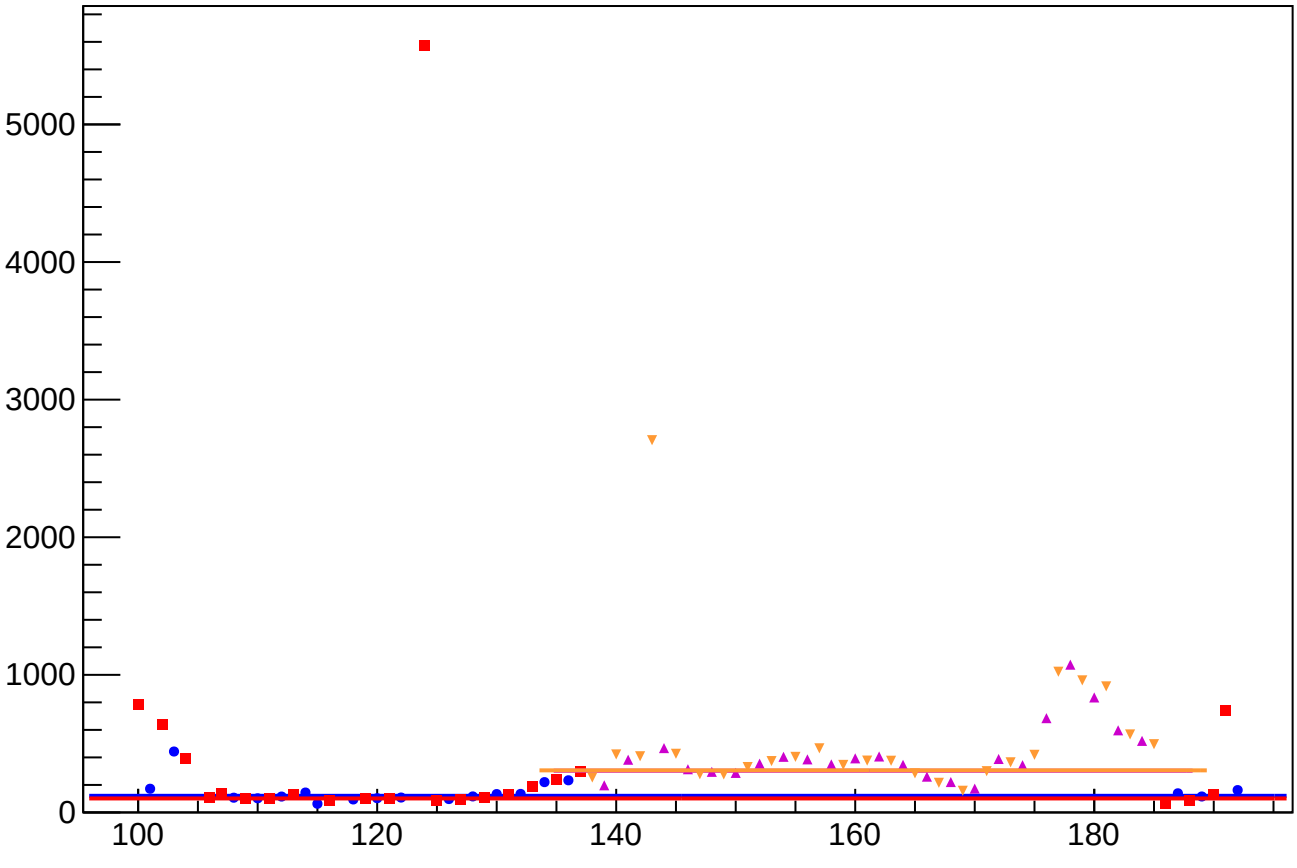
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.001+/-0.029 χ^2/NDF: 44.4/41

In: 0.053+/-0.038 χ^2/NDF:42.7/41

Out: -0.027+/-0.034 χ^2/NDF:56.4/47

All: 0.009+/-0.026 χ^2/NDF: 101.5/89



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: 101.778+/-0.027 χ^2/NDF: 2890869.8/22

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

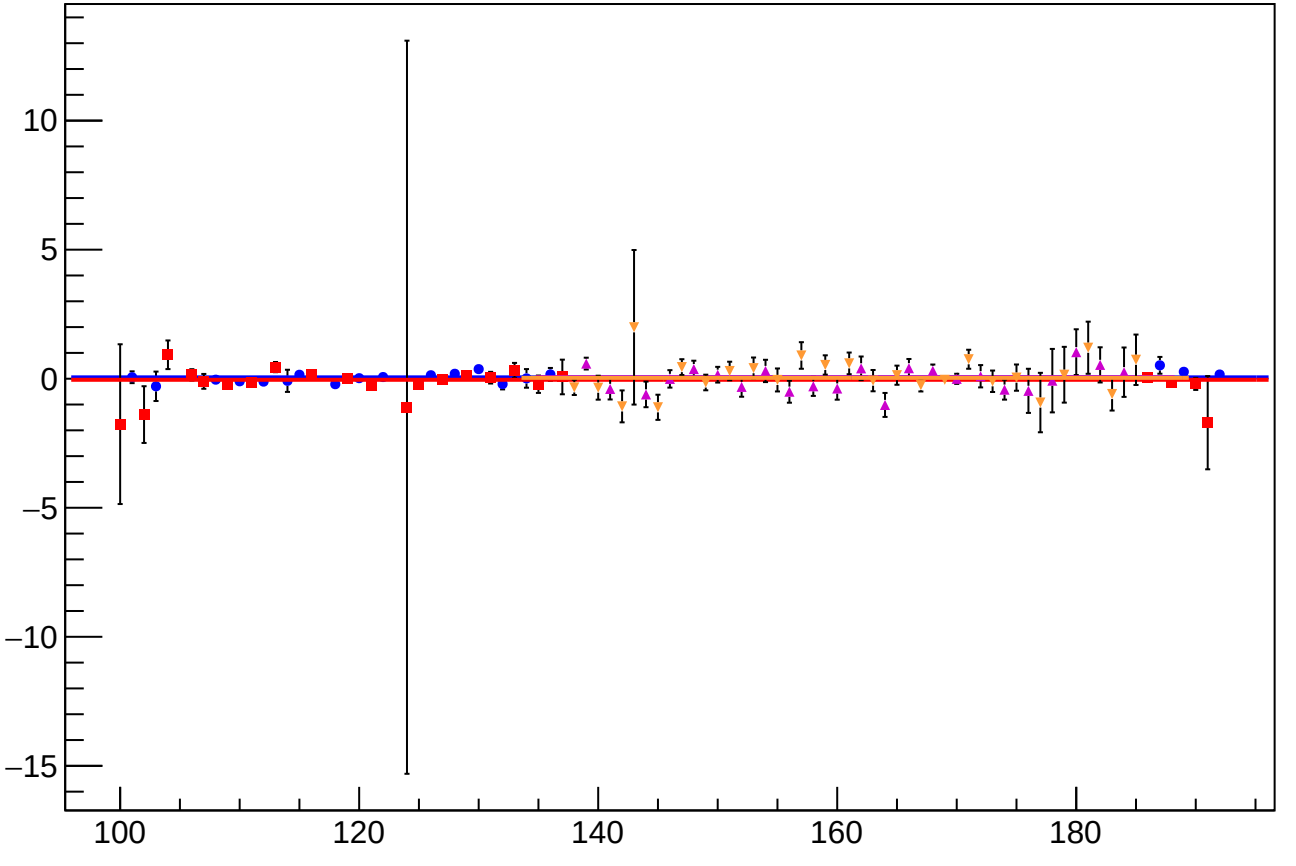
Right: 110.052+/-0.020 χ^2/NDF: 4962411.4/41

In: 165.506+/-0.027 χ^2/NDF:15080713.0/41

Out: 141.746+/-0.024 χ^2/NDF:20564629.5/47

All: 152.403+/-0.018 χ^2/NDF: 36071240.1/89

asym_atr1l2_dd_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: -0.042+/-0.038 χ^2/NDF: 25.2/22

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

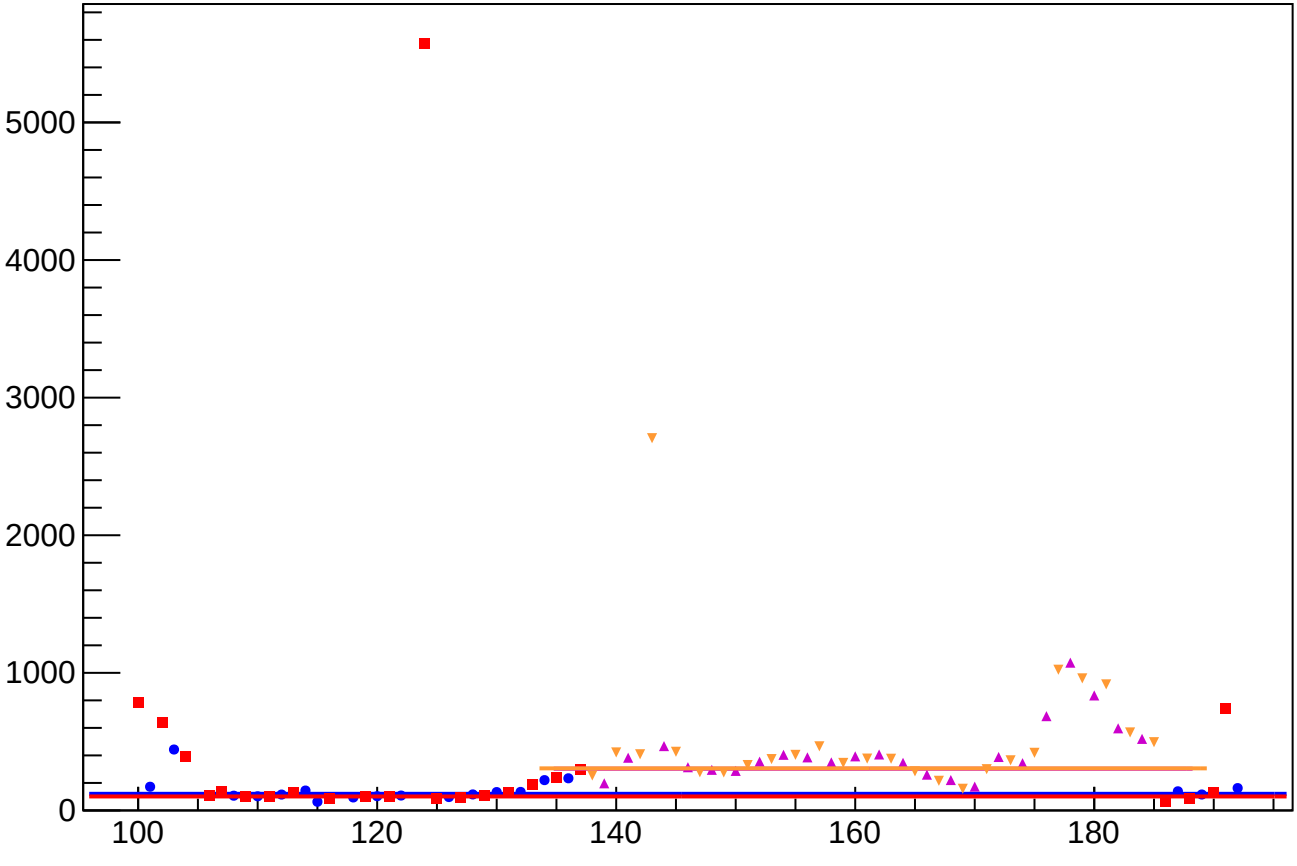
Right: -0.001+/-0.029 χ^2/NDF: 44.4/41

In: 0.053+/-0.038 χ^2/NDF:42.7/41

Out: -0.027+/-0.034 χ^2/NDF:56.4/47

All: 0.009+/-0.026 χ^2/NDF: 101.5/89

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 101.778+/-0.027 χ^2/NDF: 2890869.8/22

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

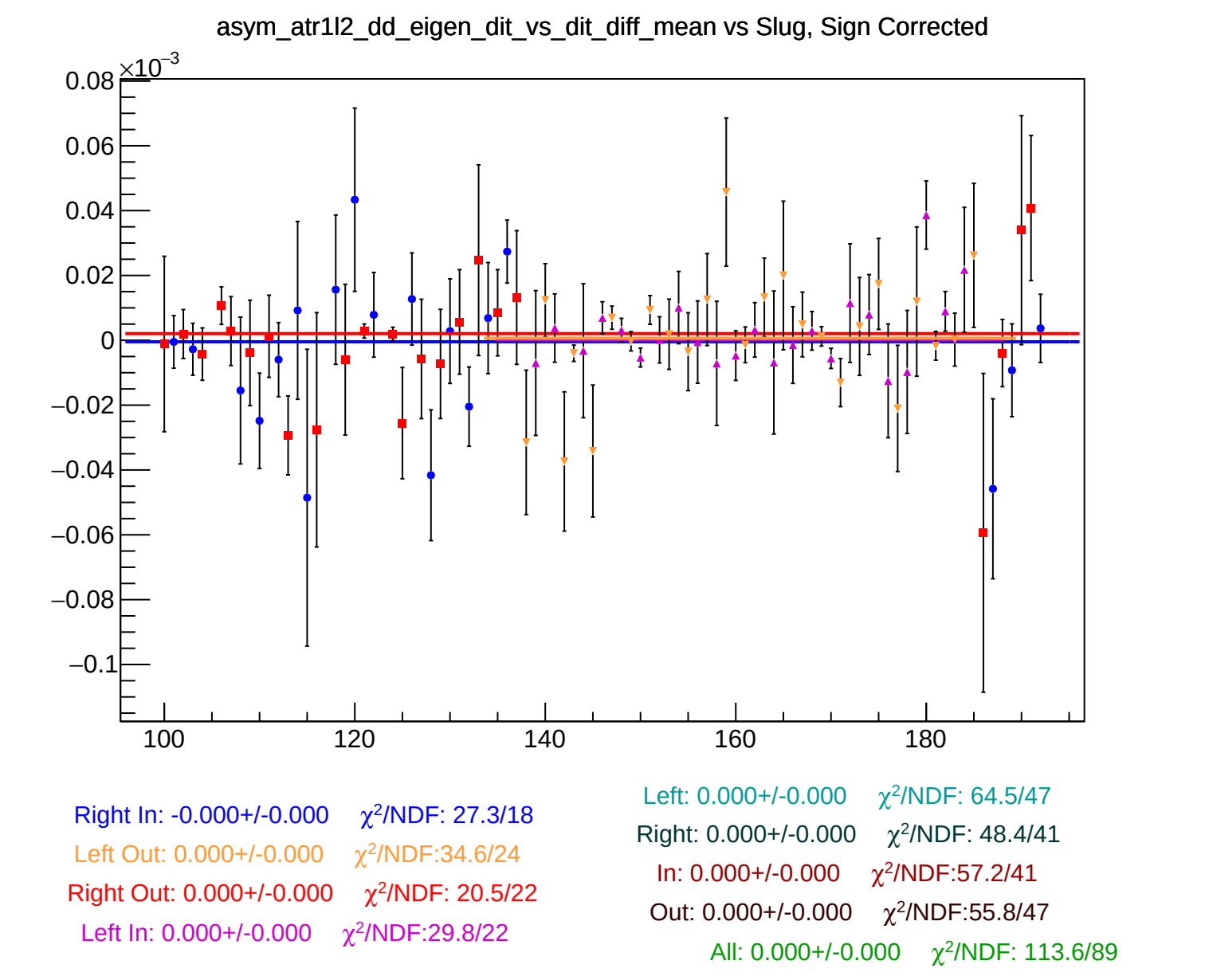
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

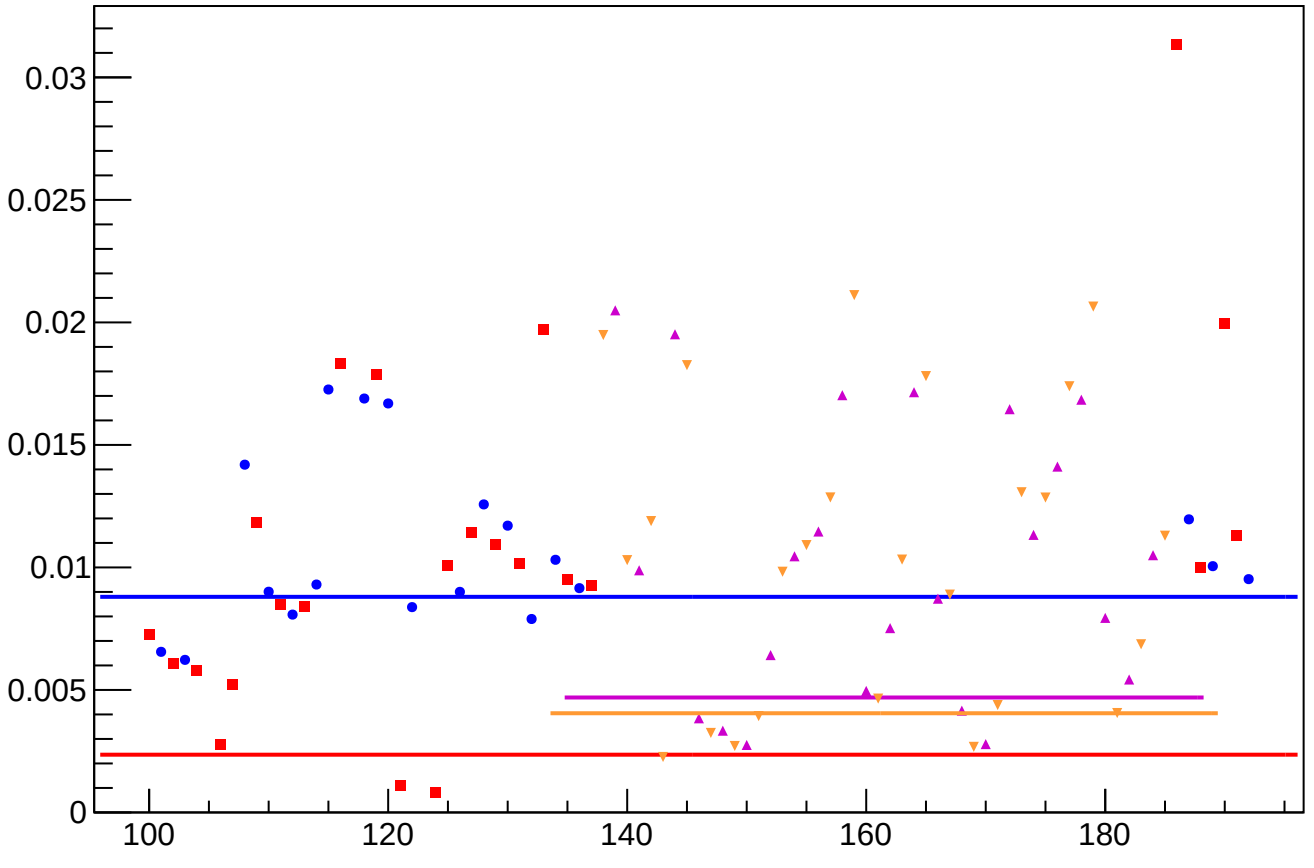
Right: 110.052+/-0.020 χ^2/NDF: 4962411.4/41

In: 165.506+/-0.027 χ^2/NDF:15080713.0/41

Out: 141.746+/-0.024 χ^2/NDF:20564629.5/47

All: 152.403+/-0.018 χ^2/NDF: 36071240.1/89


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: 20.5/22
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: 48.4/41
In: 0.000+/-0.000 χ²/NDF:57.2/41
Out: 0.000+/-0.000 χ²/NDF:55.8/47
All: 0.000+/-0.000 χ²/NDF: 113.6/89



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: 0.002+/-0.000 χ^2/NDF: 11737446.8/22

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

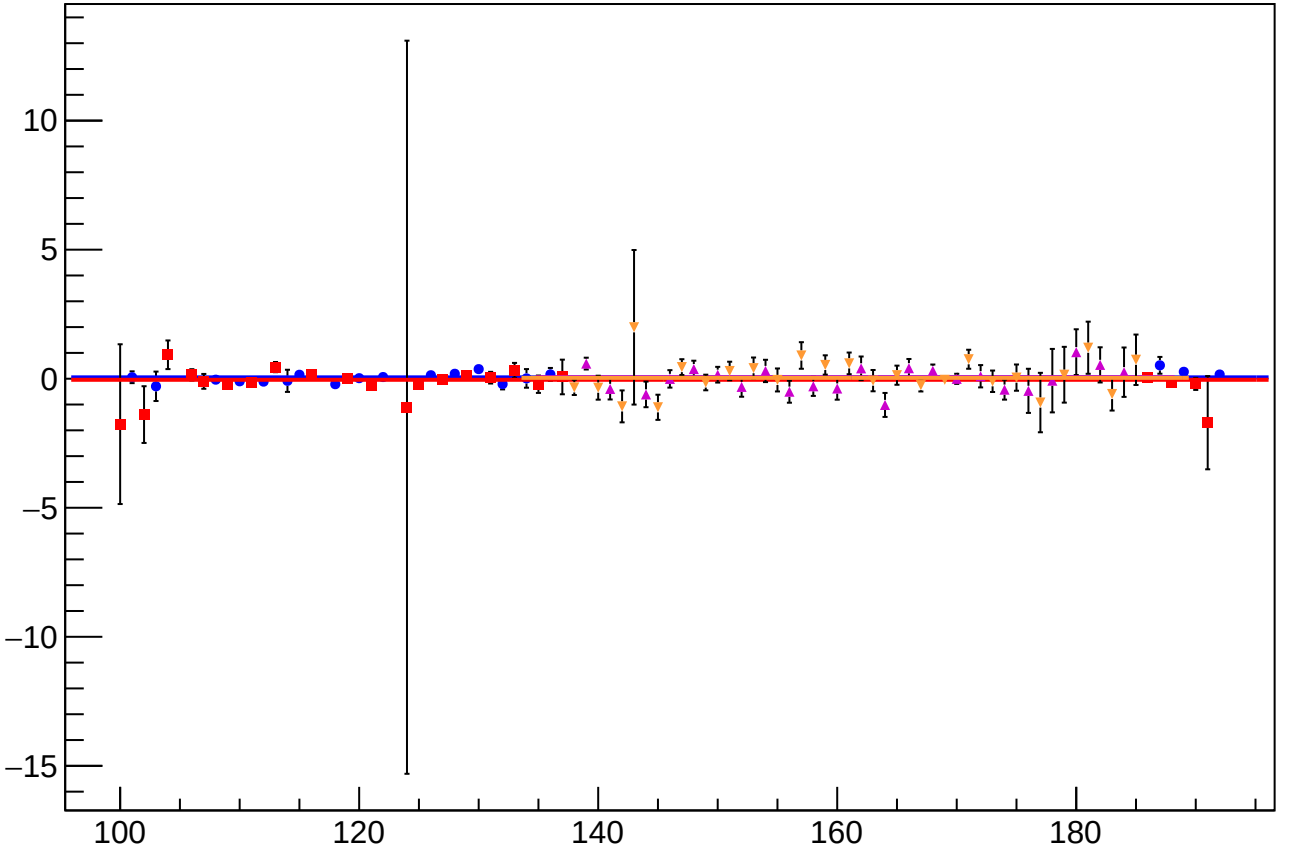
Right: 0.003+/-0.000 χ^2/NDF: 20154798.6/41

In: 0.005+/-0.000 χ^2/NDF:14923922.9/41

Out: 0.003+/-0.000 χ^2/NDF:27093795.4/47

All: 0.004+/-0.000 χ^2/NDF: 45641302.4/89

asym_atr1l2_dd_eigen_dit_vs_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: -0.042+/-0.038 χ^2/NDF: 25.2/22

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

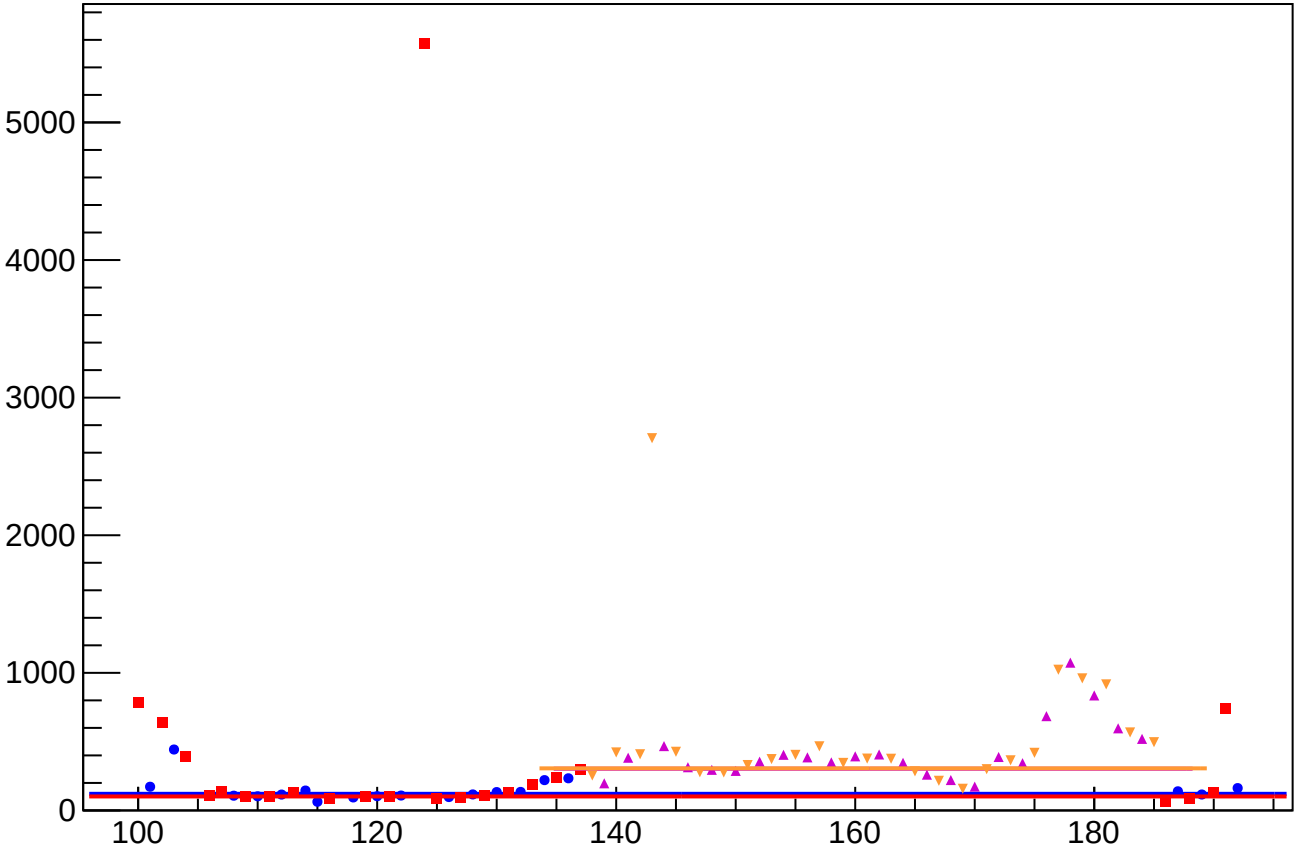
Right: -0.001+/-0.029 χ^2/NDF: 44.4/41

In: 0.053+/-0.038 χ^2/NDF:42.7/41

Out: -0.027+/-0.034 χ^2/NDF:56.4/47

All: 0.009+/-0.026 χ^2/NDF: 101.5/89

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: 101.779+/-0.027 χ^2/NDF: 2890715.7/22

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

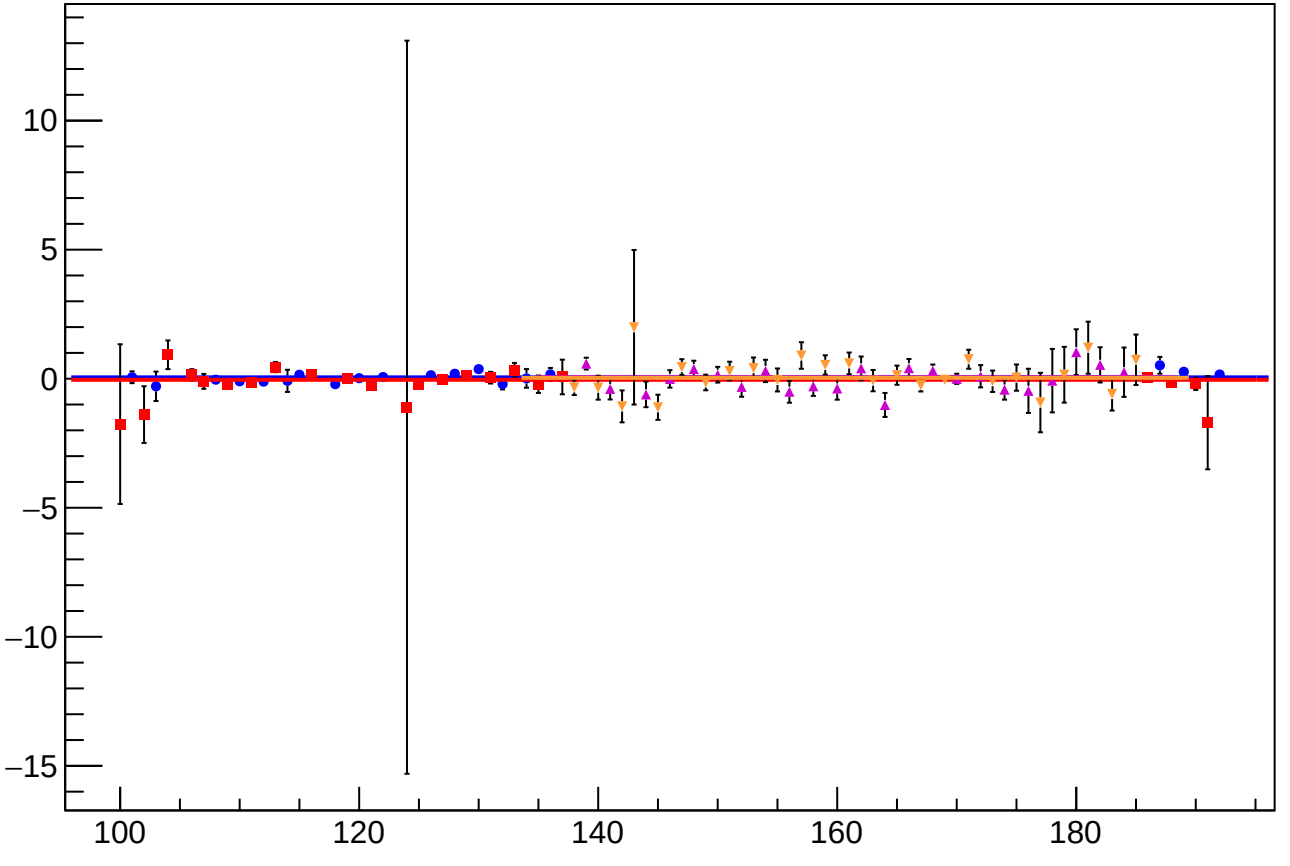
Right: 110.053+/-0.020 χ^2/NDF: 4962210.4/41

In: 165.507+/-0.027 χ^2/NDF:15080778.2/41

Out: 141.747+/-0.024 χ^2/NDF:20564496.7/47

All: 152.404+/-0.018 χ^2/NDF: 36071155.9/89

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: -0.042+/-0.038 χ^2/NDF: 25.2/22

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

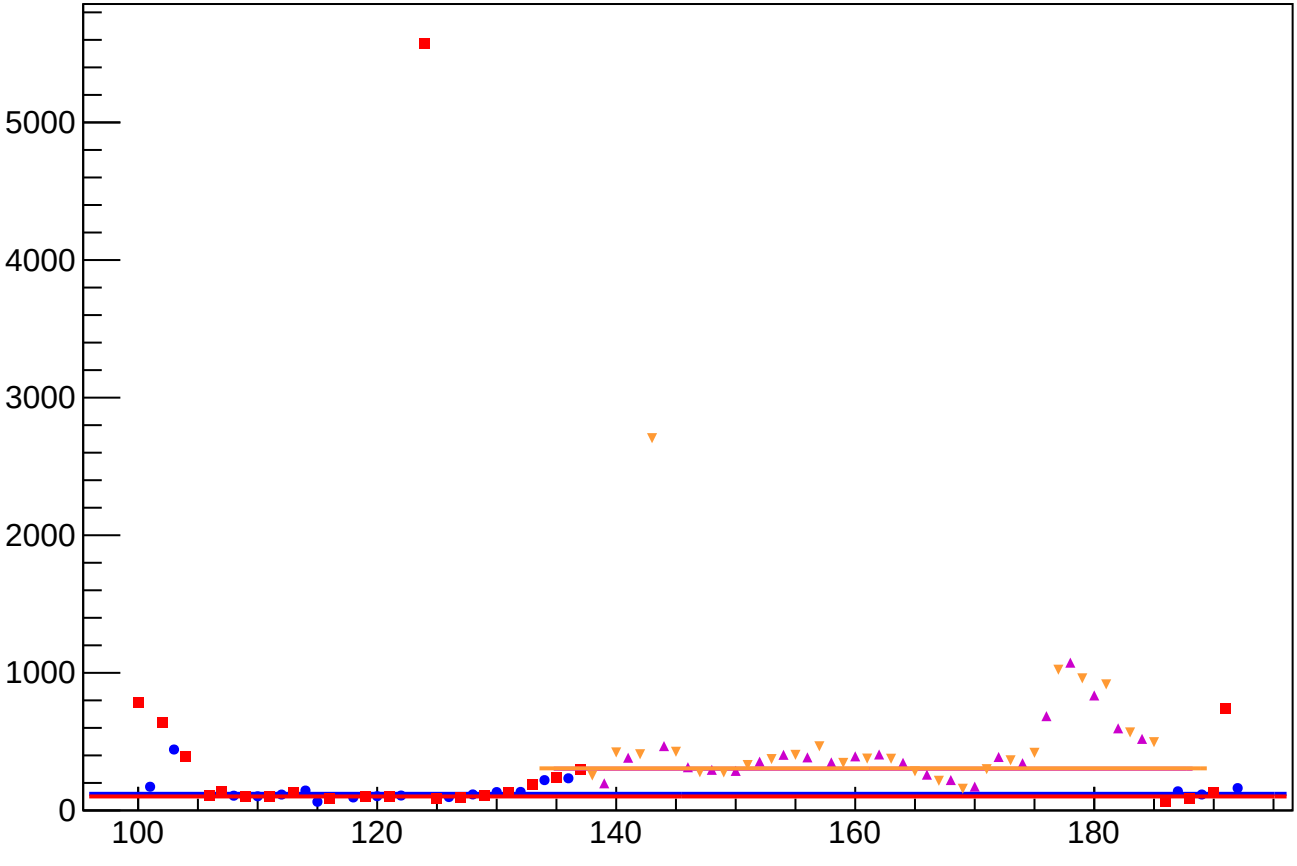
Right: -0.001+/-0.029 χ^2/NDF: 44.4/41

In: 0.053+/-0.038 χ^2/NDF:42.7/41

Out: -0.027+/-0.034 χ^2/NDF:56.4/47

All: 0.009+/-0.026 χ^2/NDF: 101.5/89

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: 101.779+/-0.027 χ^2/NDF: 2890715.7/22

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

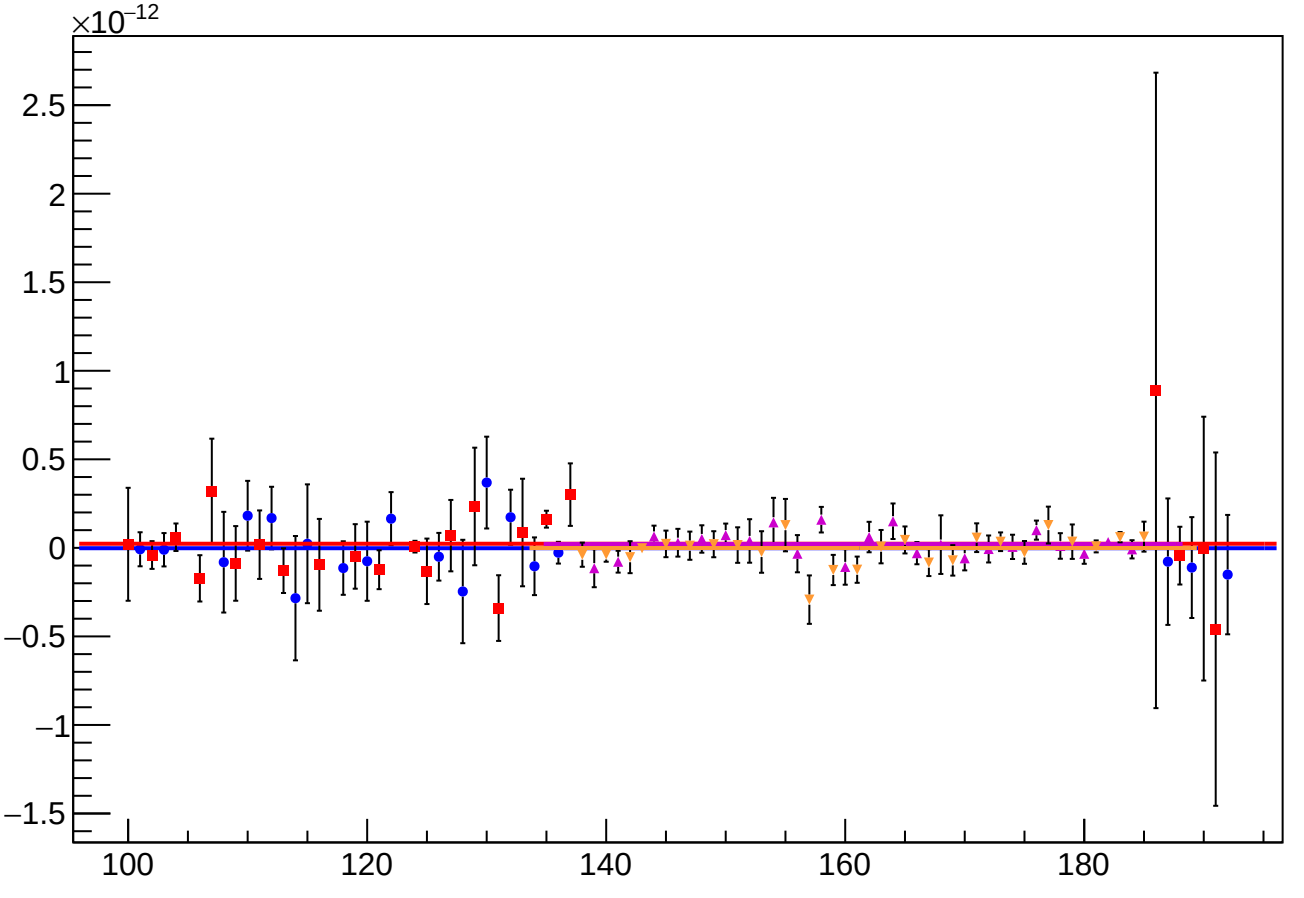
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 110.053+/-0.020 χ^2/NDF: 4962210.4/41

In: 165.507+/-0.027 χ^2/NDF:15080778.2/41

Out: 141.747+/-0.024 χ^2/NDF:20564496.7/47

All: 152.404+/-0.018 χ^2/NDF: 36071155.9/89



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: 24.9/22

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

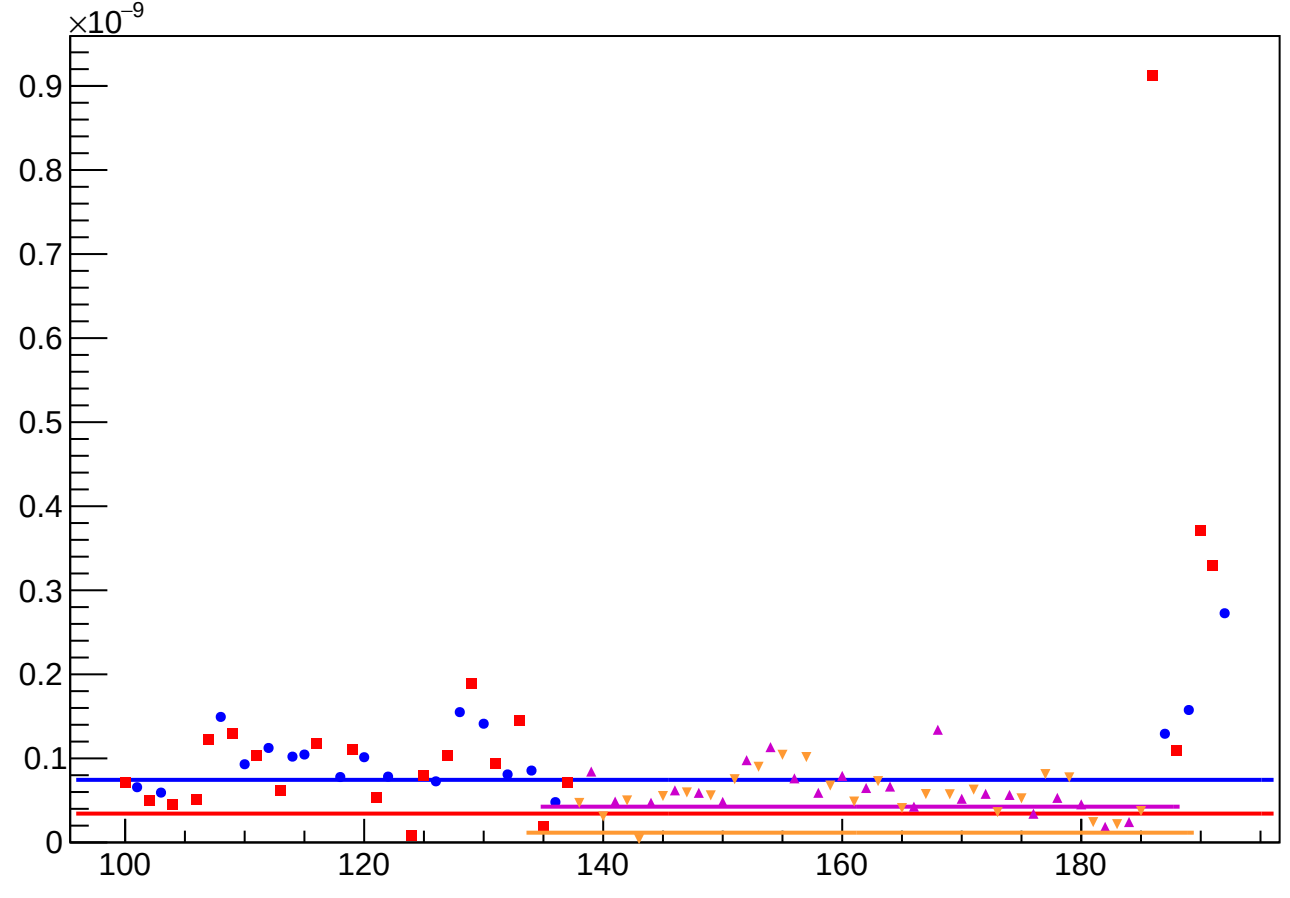
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 34.8/41

In: 0.000+/-0.000 χ^2/NDF:29.5/41

Out: 0.000+/-0.000 χ^2/NDF:48.1/47

All: 0.000+/-0.000 χ^2/NDF: 79.3/89



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: 5952755.3/22

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

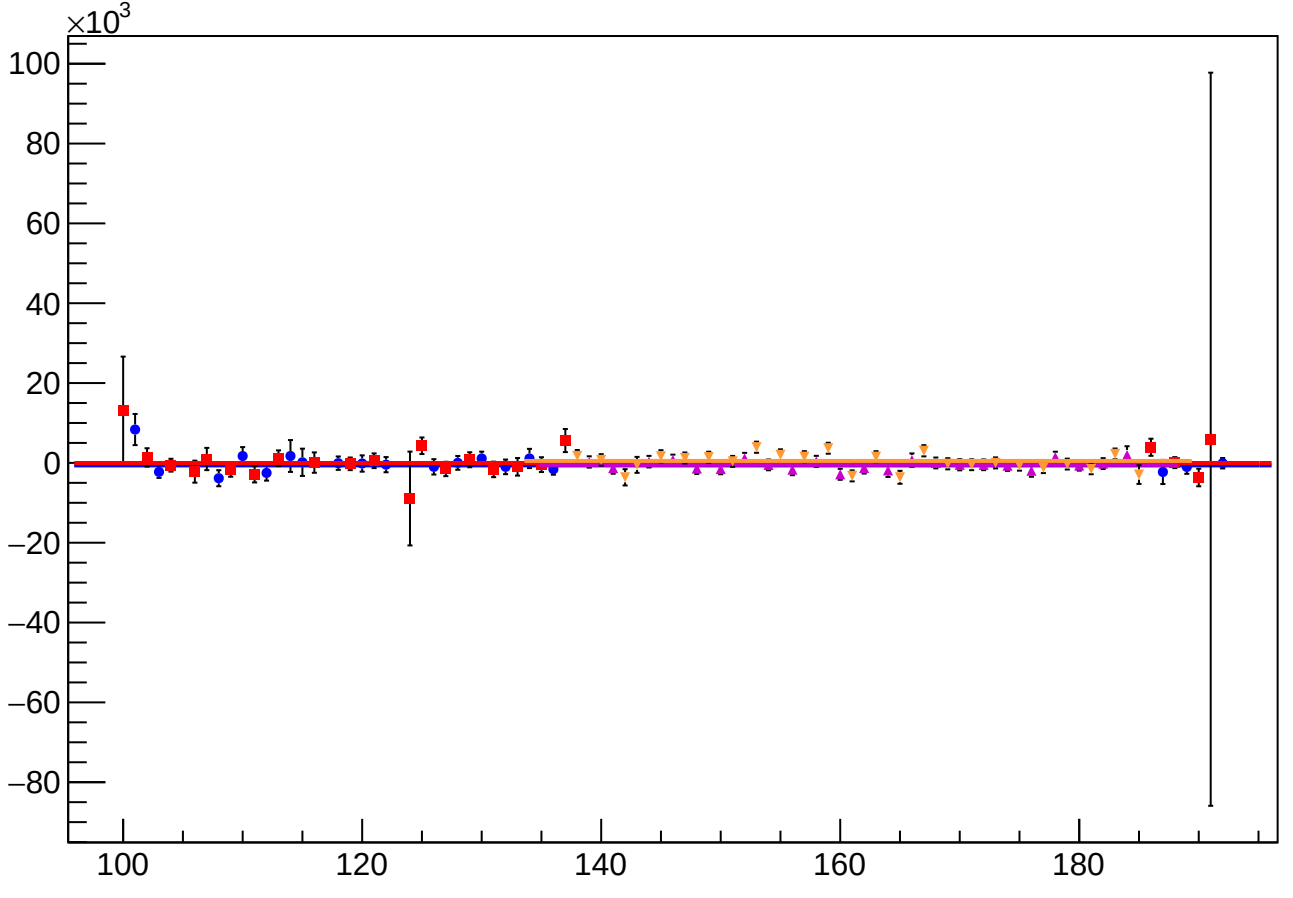
Right: 0.000+/-0.000 χ^2/NDF: 9917058.4/41

In: 0.000+/-0.000 χ^2/NDF:8918444.0/41

Out: 0.000+/-0.000 χ^2/NDF:25906192.4/47

All: 0.000+/-0.000 χ^2/NDF: 47049264.0/89

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



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: -30.006+/-440.408 χ^2/NDF: 22.0/22

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

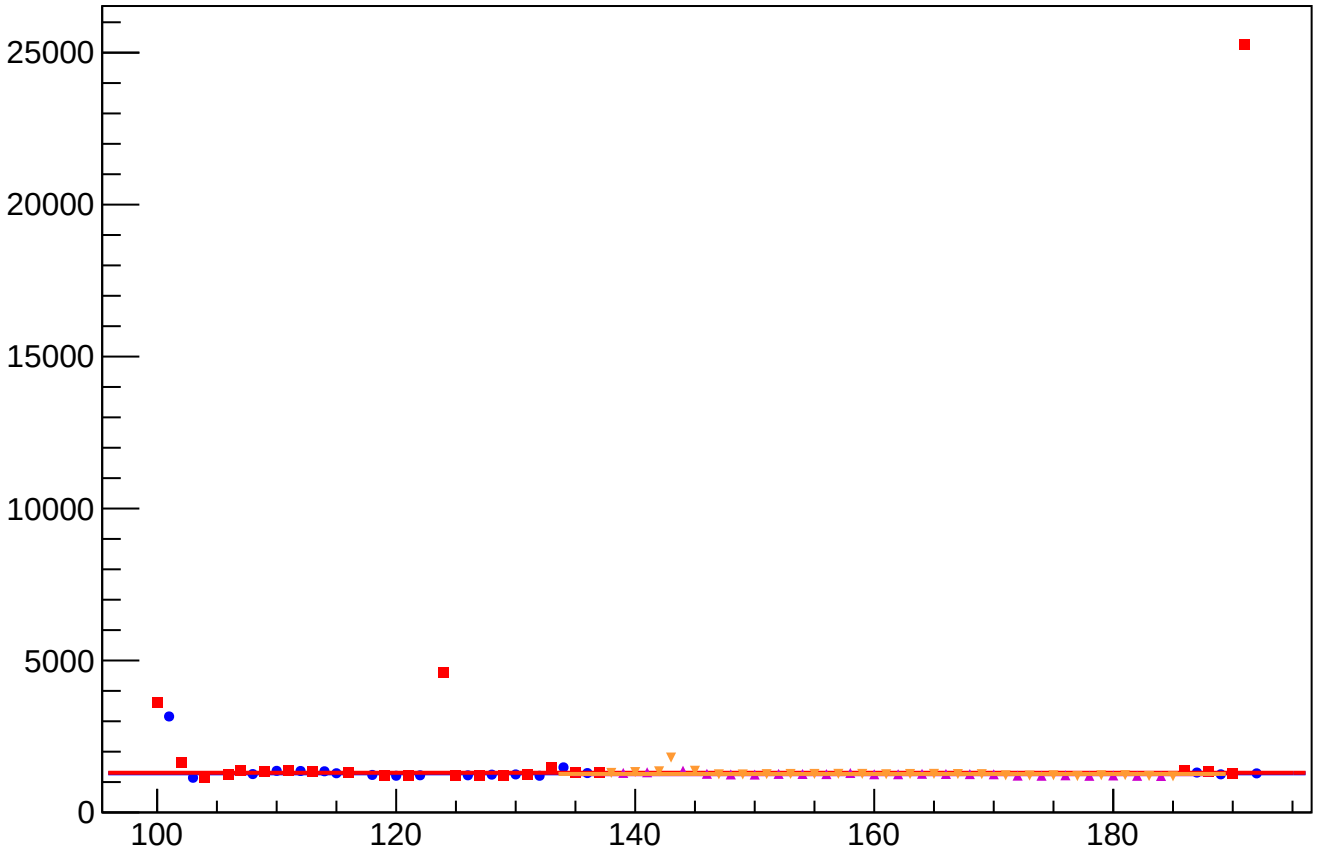
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -331.417+/-310.419 χ^2/NDF: 37.4/41

In: -530.991+/-243.906 χ^2/NDF:28.9/41

Out: 335.305+/-241.327 χ^2/NDF:69.9/47

All: -93.239+/-171.549 χ^2/NDF: 105.2/89



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: 1306.165+/-0.311 χ^2/NDF: 464347.1/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

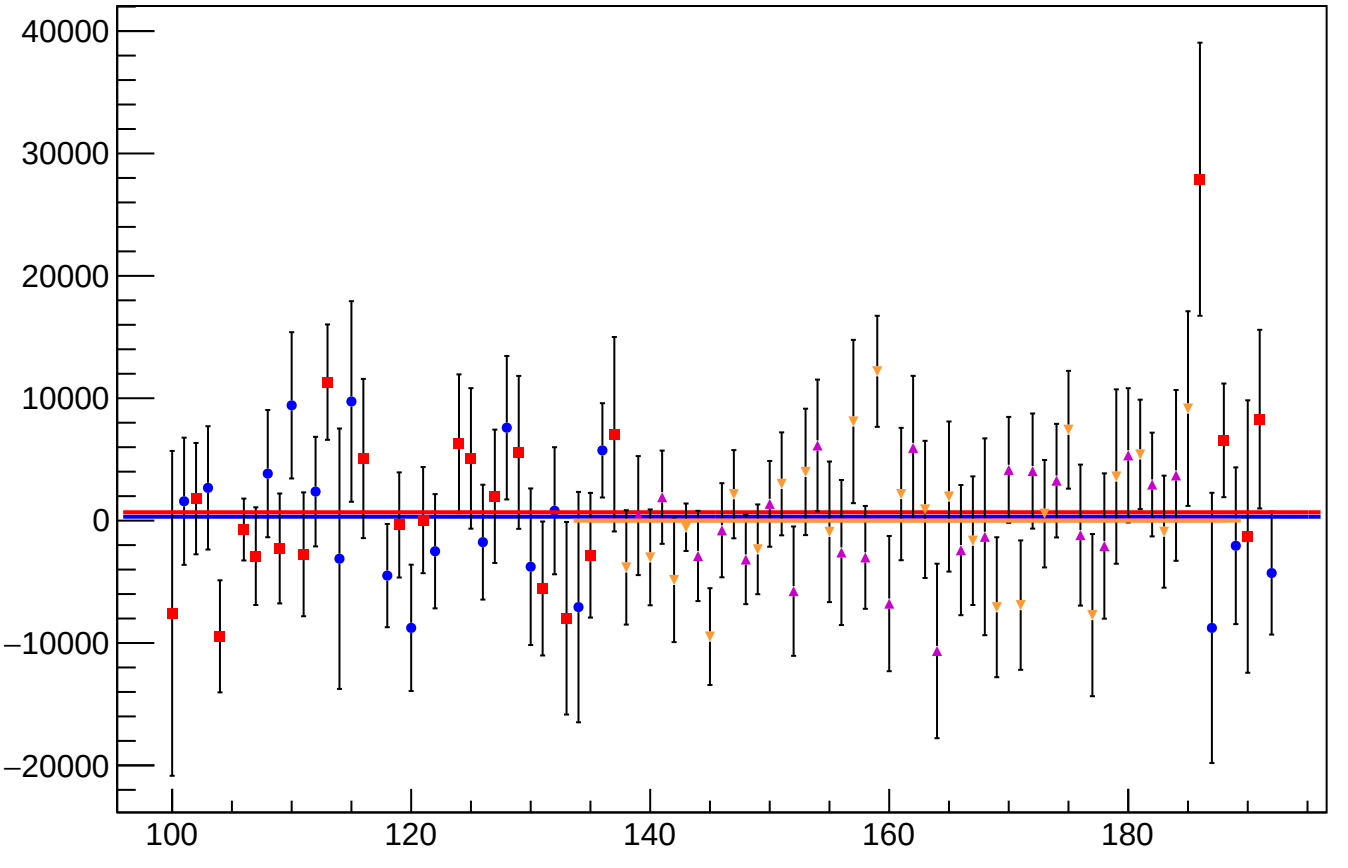
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1296.687+/-0.219 χ^2/NDF: 981793.4/41

In: 1266.790+/-0.172 χ^2/NDF:558776.7/41

Out: 1278.772+/-0.171 χ^2/NDF:663011.7/47

All: 1272.848+/-0.121 χ^2/NDF: 1224229.1/89



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: 684.995+/-1059.241 χ^2/NDF: 27.5/22

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

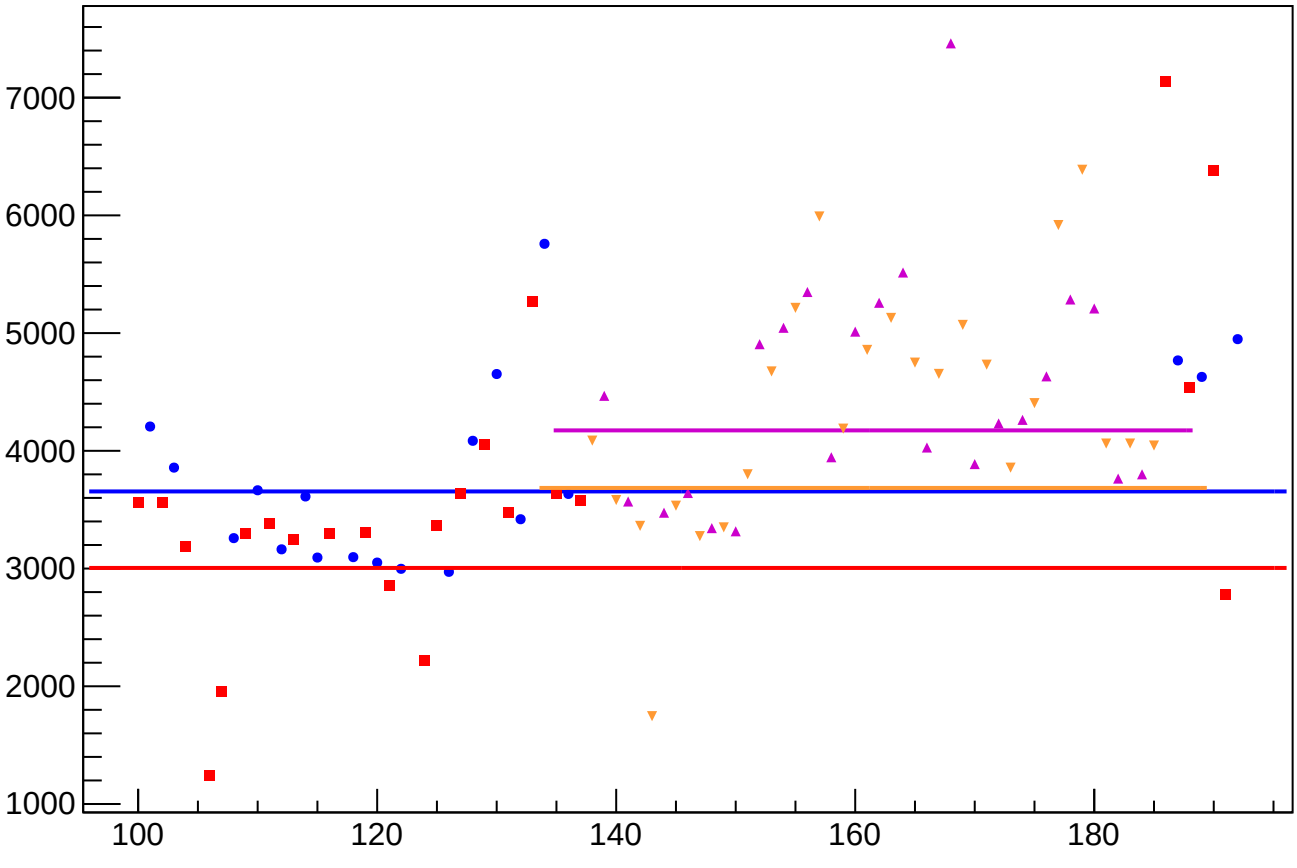
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 531.362+/-807.713 χ^2/NDF: 43.4/41

In: 142.859+/-778.287 χ^2/NDF:29.9/41

Out: 281.800+/-679.822 χ^2/NDF:56.8/47

All: 221.669+/-512.002 χ^2/NDF: 86.8/89



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: 3005.128+/-0.749 χ^2/NDF: 2218383.6/22

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

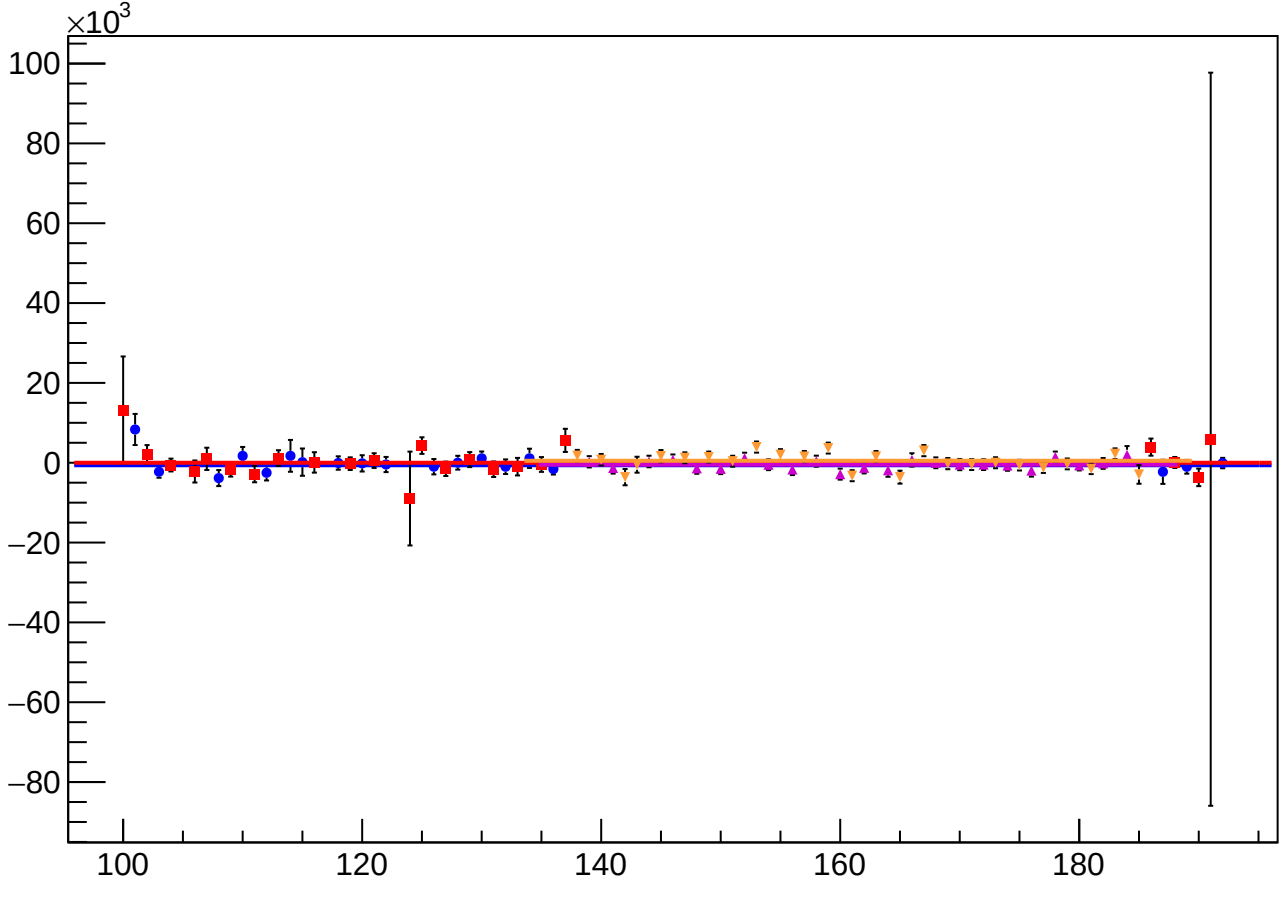
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3277.132+/-0.571 χ^2/NDF: 3111234.9/41

In: 3972.059+/-0.550 χ^2/NDF:2063631.1/41

Out: 3404.818+/-0.481 χ^2/NDF:6396252.7/47

All: 3650.307+/-0.362 χ^2/NDF: 9062497.1/89



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: -6.324+/-440.646 χ^2/NDF: 22.4/22

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

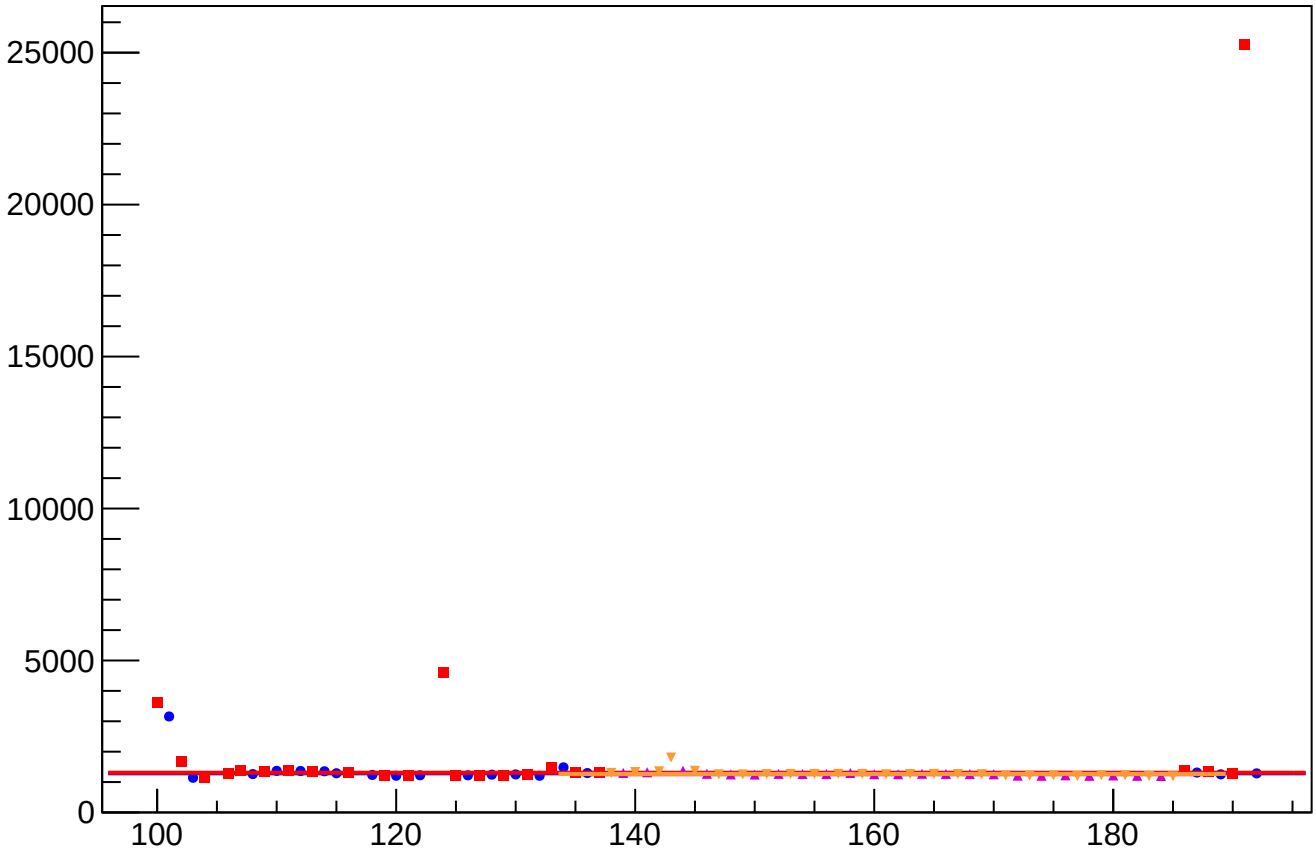
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -319.979+/-310.502 χ^2/NDF: 37.9/41

In: -531.019+/-243.906 χ^2/NDF:28.9/41

Out: 342.540+/-241.366 χ^2/NDF:70.2/47

All: -89.667+/-171.563 χ^2/NDF: 105.6/89



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: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

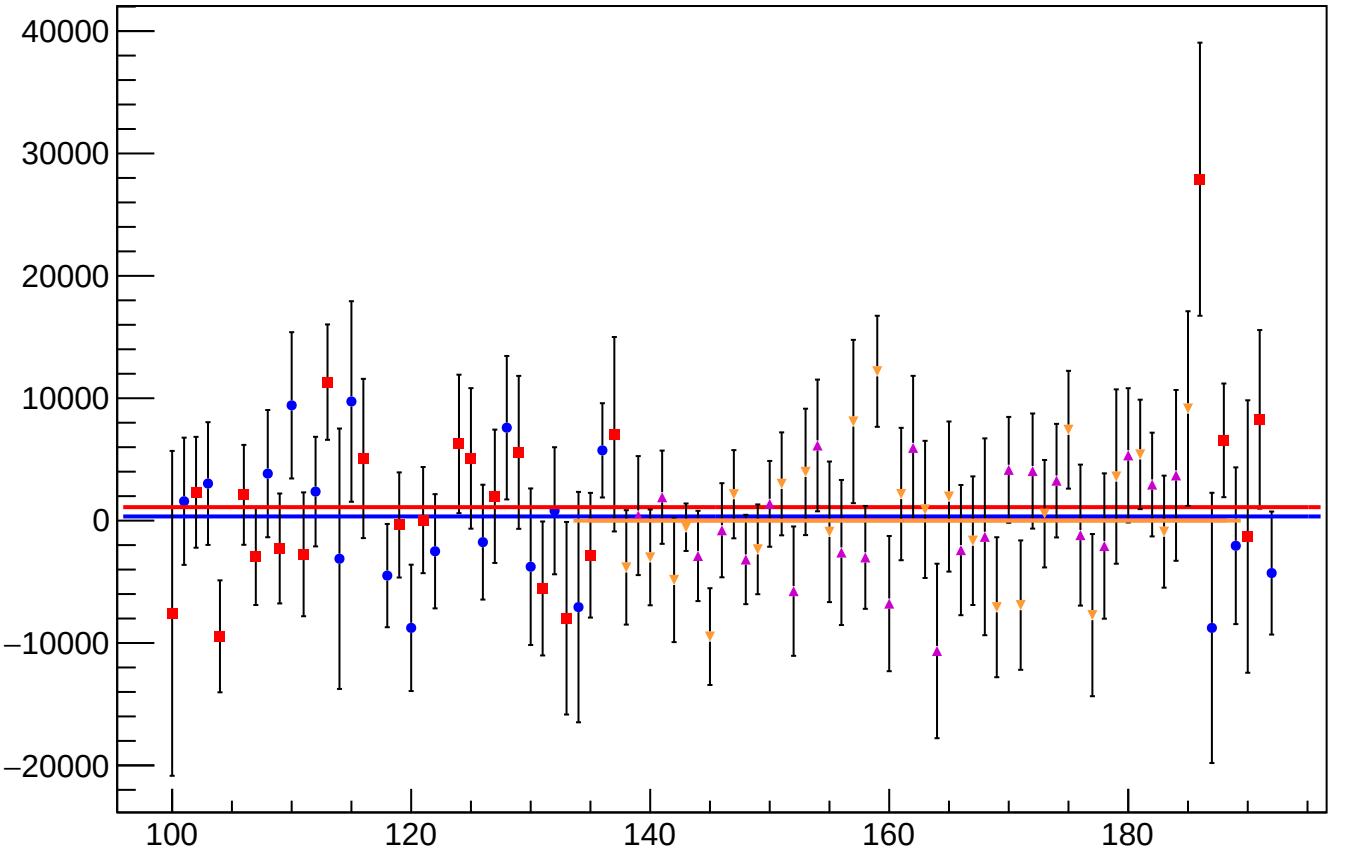
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.507+/-0.219 χ^2/NDF: 988415.6/41

In: 1266.790+/-0.172 χ^2/NDF:558778.1/41

Out: 1279.256+/-0.171 χ^2/NDF:670241.2/47

All: 1273.091+/-0.121 χ^2/NDF: 1231660.1/89



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: 1100.868+/-1121.138 χ^2/NDF: 27.3/22

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

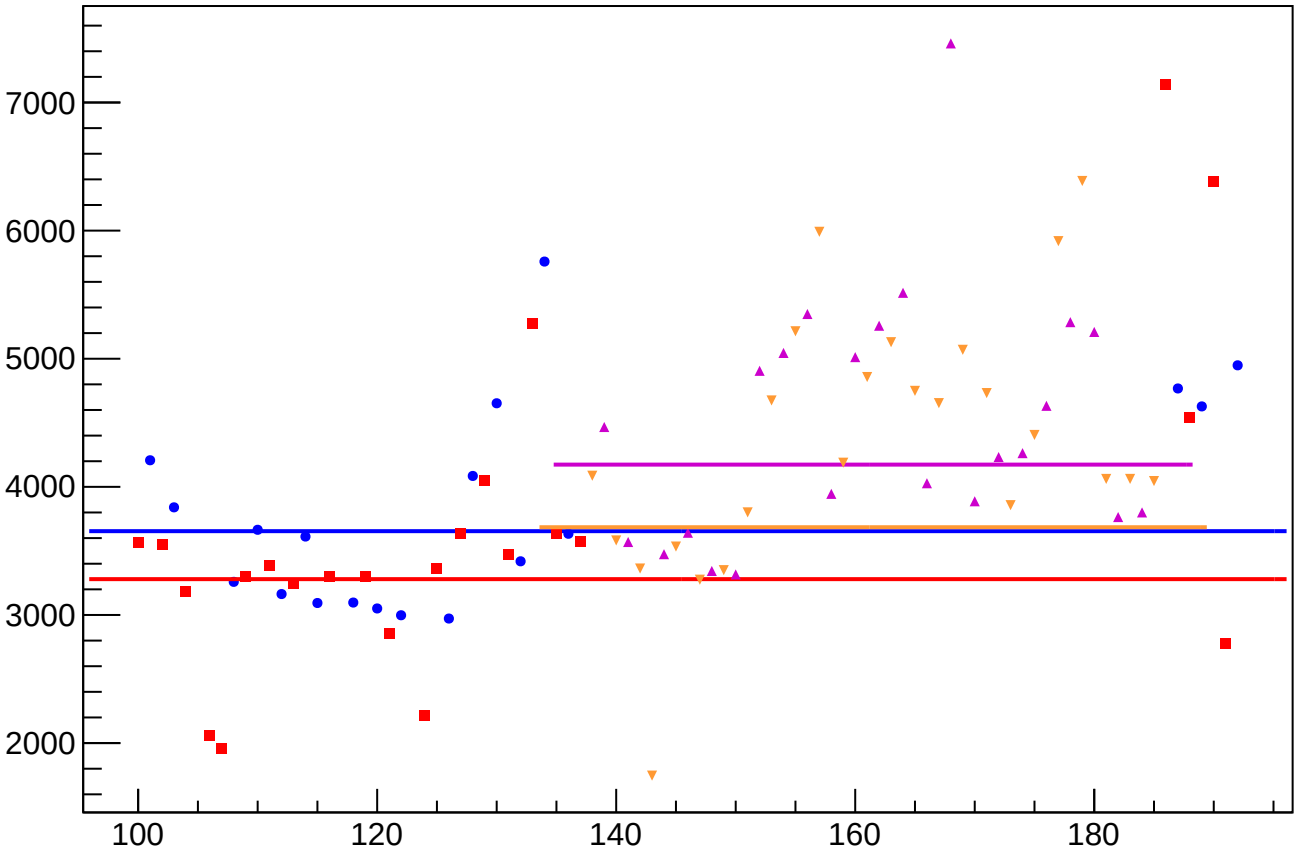
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 761.586+/-834.058 χ^2/NDF: 43.4/41

In: 151.909+/-778.194 χ^2/NDF:30.0/41

Out: 423.166+/-695.372 χ^2/NDF:56.9/47

All: 302.735+/-518.520 χ^2/NDF: 87.0/89



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: 3279.674+/-0.793 χ^2/NDF: 1231847.1/22

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

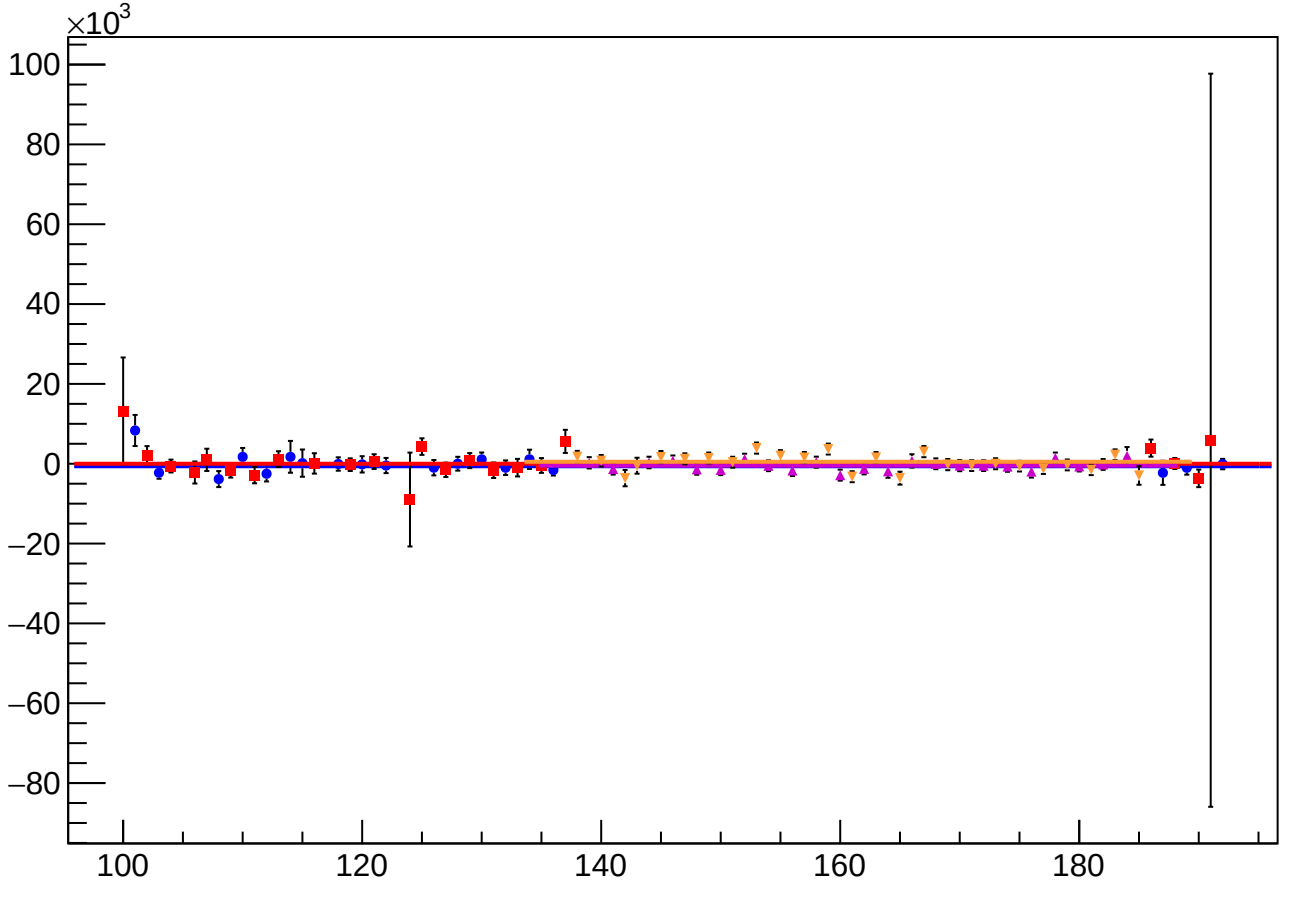
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3446.888+/-0.590 χ^2/NDF: 1908797.4/41

In: 3971.630+/-0.550 χ^2/NDF:2064019.8/41

Out: 3528.926+/-0.492 χ^2/NDF:5086191.5/47

All: 3725.474+/-0.367 χ^2/NDF: 7510107.6/89



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: -6.324+/-440.646 χ^2/NDF: 22.4/22

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

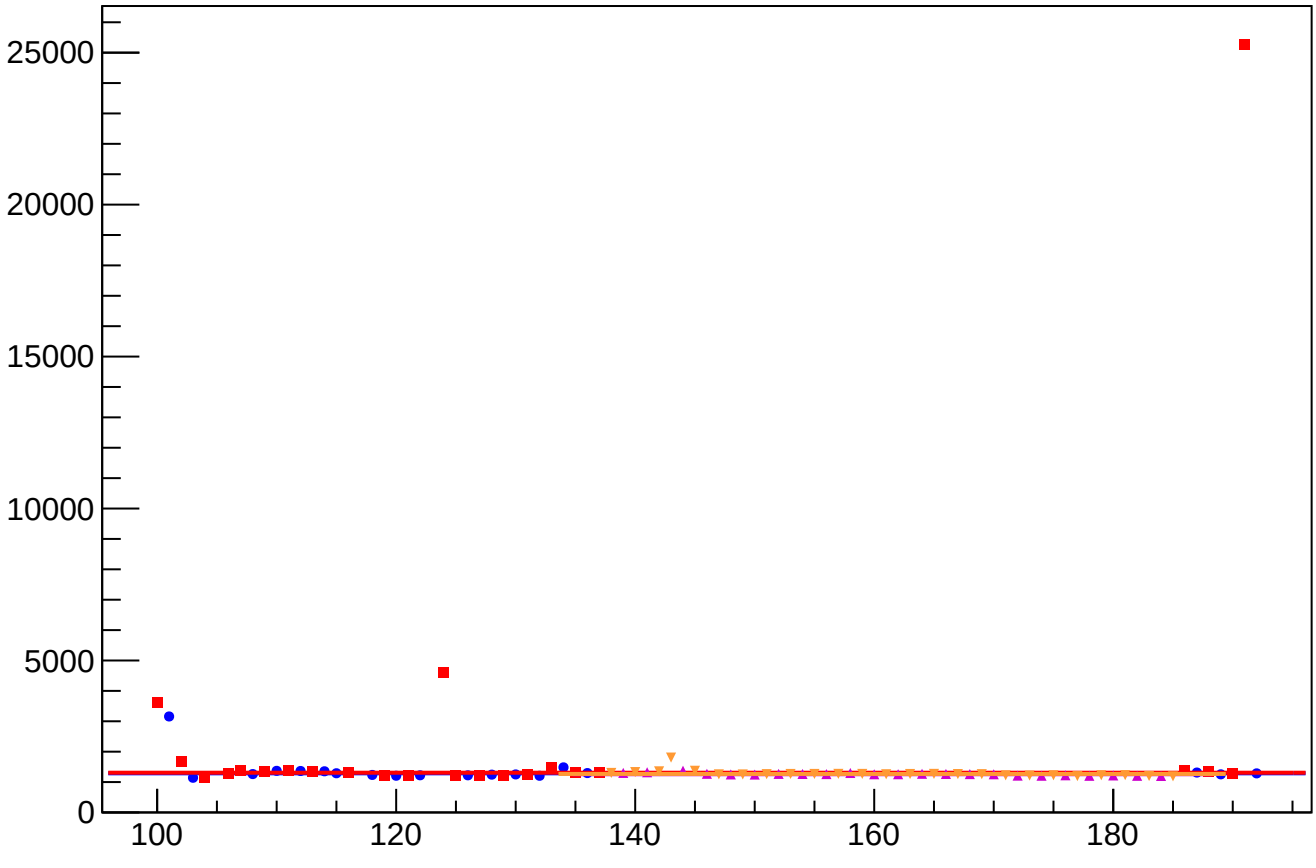
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -319.979+/-310.502 χ^2/NDF: 37.9/41

In: -531.019+/-243.906 χ^2/NDF:28.9/41

Out: 342.540+/-241.366 χ^2/NDF:70.2/47

All: -89.667+/-171.563 χ^2/NDF: 105.6/89



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: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

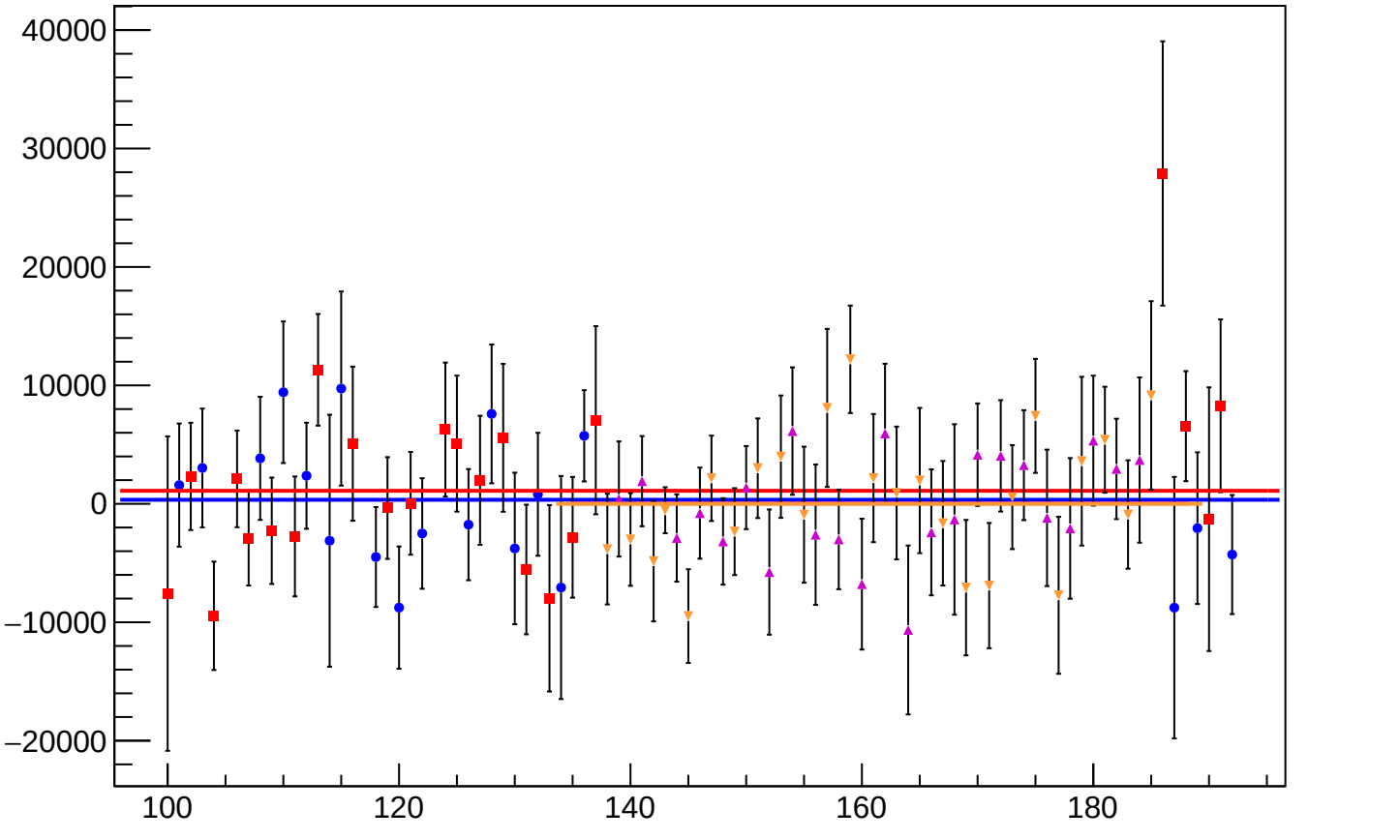
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.507+/-0.219 χ^2/NDF: 988415.6/41

In: 1266.790+/-0.172 χ^2/NDF:558778.1/41

Out: 1279.256+/-0.171 χ^2/NDF:670241.2/47

All: 1273.091+/-0.121 χ^2/NDF: 1231660.1/89



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: 1100.868+/-1121.138 χ^2/NDF: 27.3/22

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

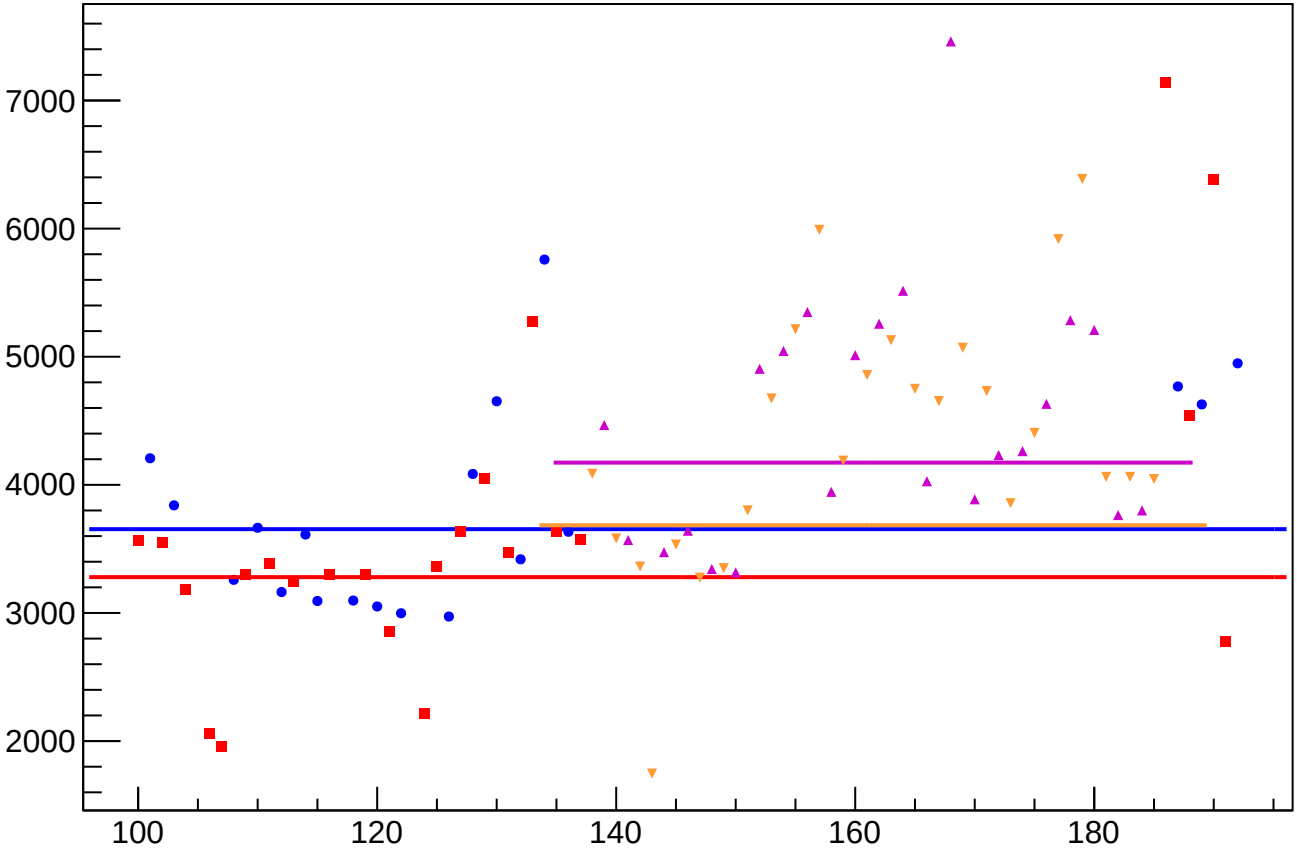
Right: 761.586+/-834.058 χ^2/NDF: 43.4/41

In: 151.909+/-778.194 χ^2/NDF:30.0/41

Out: 423.166+/-695.372 χ^2/NDF:56.9/47

All: 302.735+/-518.520 χ^2/NDF: 87.0/89

asym_atl_dd_atr_dd_avg_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: 3279.674+/-0.793 χ^2/NDF: 1231847.1/22

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

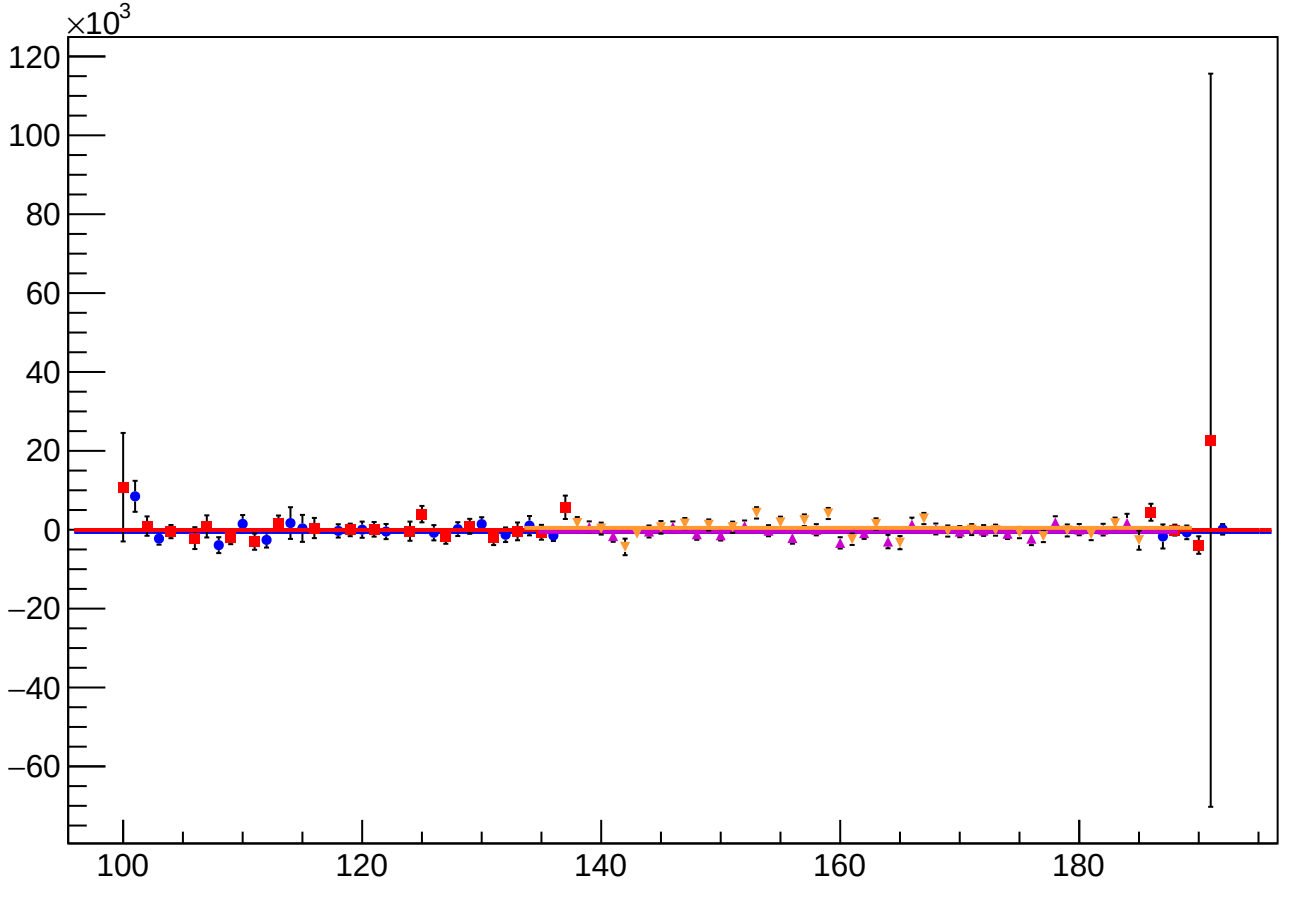
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3446.888+/-0.590 χ^2/NDF: 1908797.4/41

In: 3971.630+/-0.550 χ^2/NDF:2064019.8/41

Out: 3528.926+/-0.492 χ^2/NDF:5086191.5/47

All: 3725.474+/-0.367 χ^2/NDF: 7510107.6/89



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: -65.149+/-439.232 χ^2/NDF: 22.3/22

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

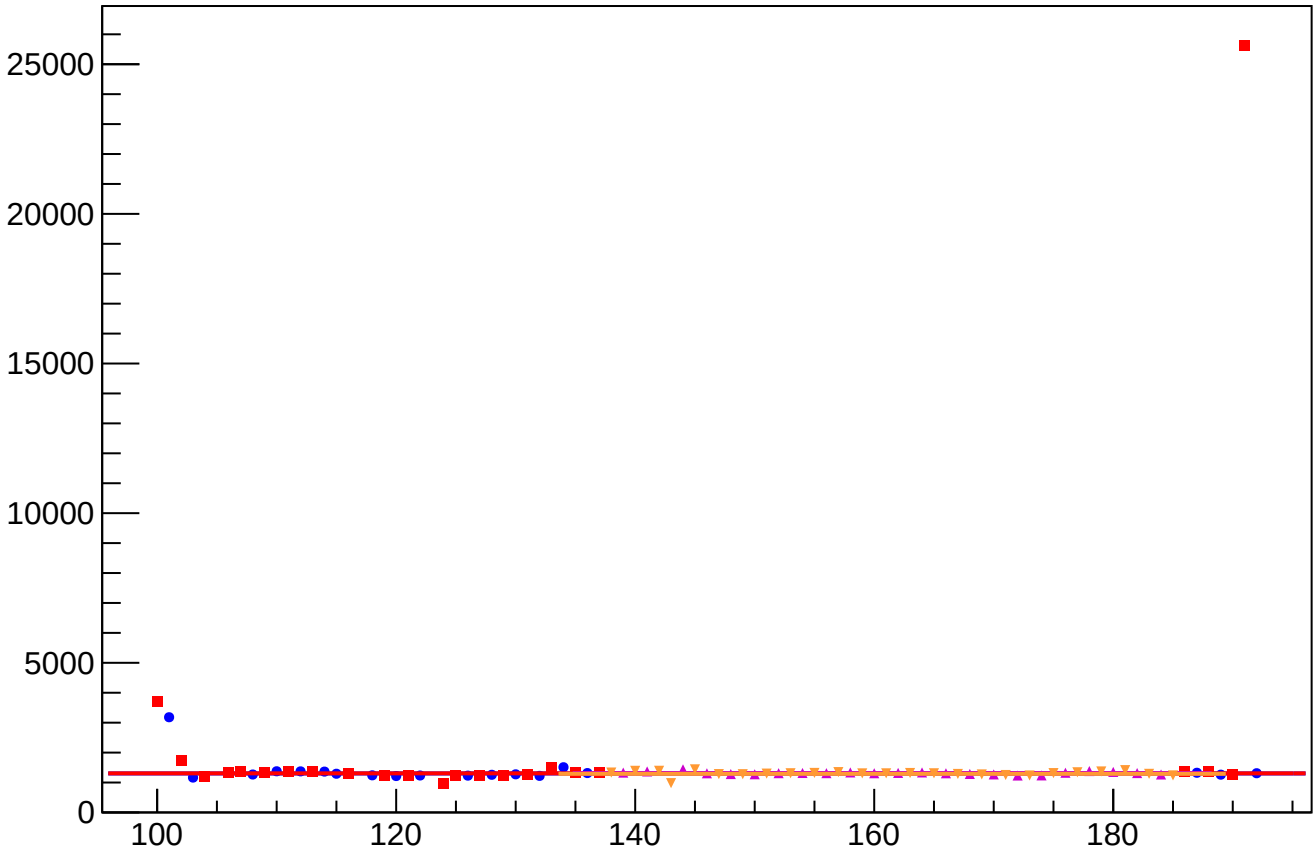
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -308.537+/-311.832 χ^2/NDF: 37.4/41

In: -520.548+/-252.322 χ^2/NDF:31.9/41

Out: 302.792+/-244.467 χ^2/NDF:67.4/47

All: -95.864+/-175.576 χ^2/NDF: 104.8/89



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: 1306.774+/-0.310 χ^2/NDF: 359849.5/22

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

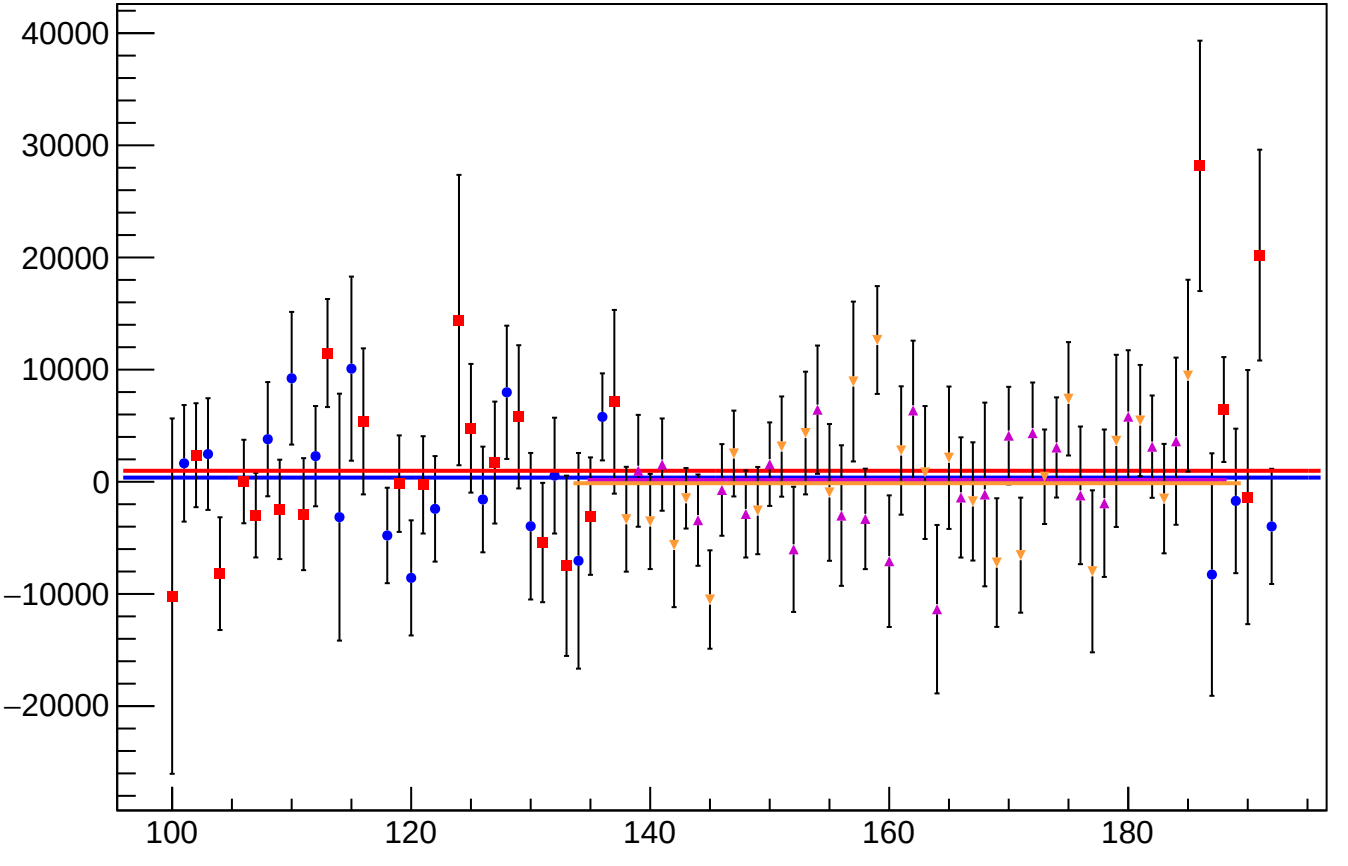
Right: 1304.690+/-0.220 χ^2/NDF: 871811.5/41

In: 1310.292+/-0.178 χ^2/NDF:555816.7/41

Out: 1296.036+/-0.173 χ^2/NDF:592319.3/47

All: 1302.937+/-0.124 χ^2/NDF: 1151429.6/89

asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



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: 981.731+/-1141.605 χ^2/NDF: 29.0/22

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

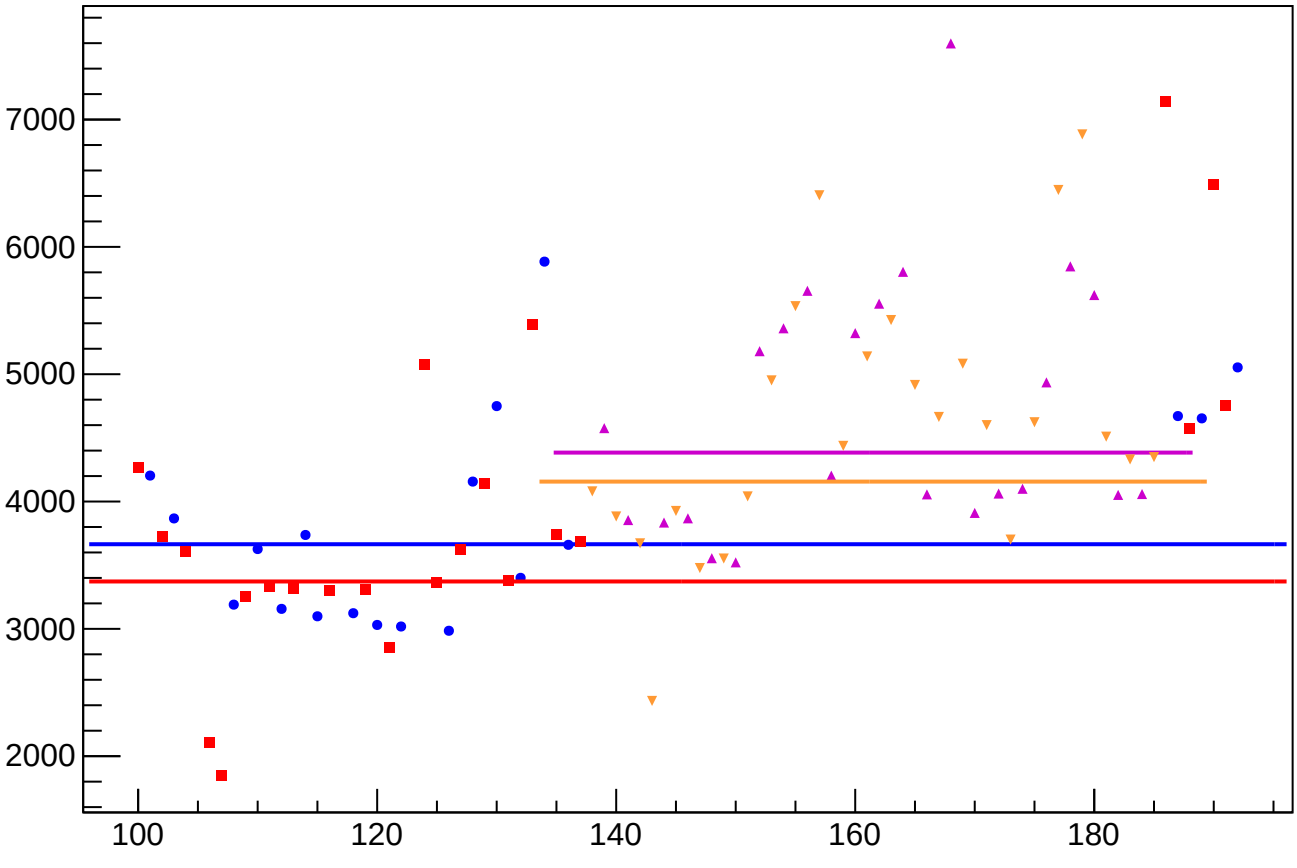
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 706.092+/-843.523 χ^2/NDF: 44.8/41

In: 247.877+/-802.456 χ^2/NDF:29.5/41

Out: 341.710+/-742.382 χ^2/NDF:58.1/47

All: 298.437+/-544.945 χ^2/NDF: 87.6/89



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: 3372.159+/-0.807 χ^2/NDF: 1371232.1/22

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

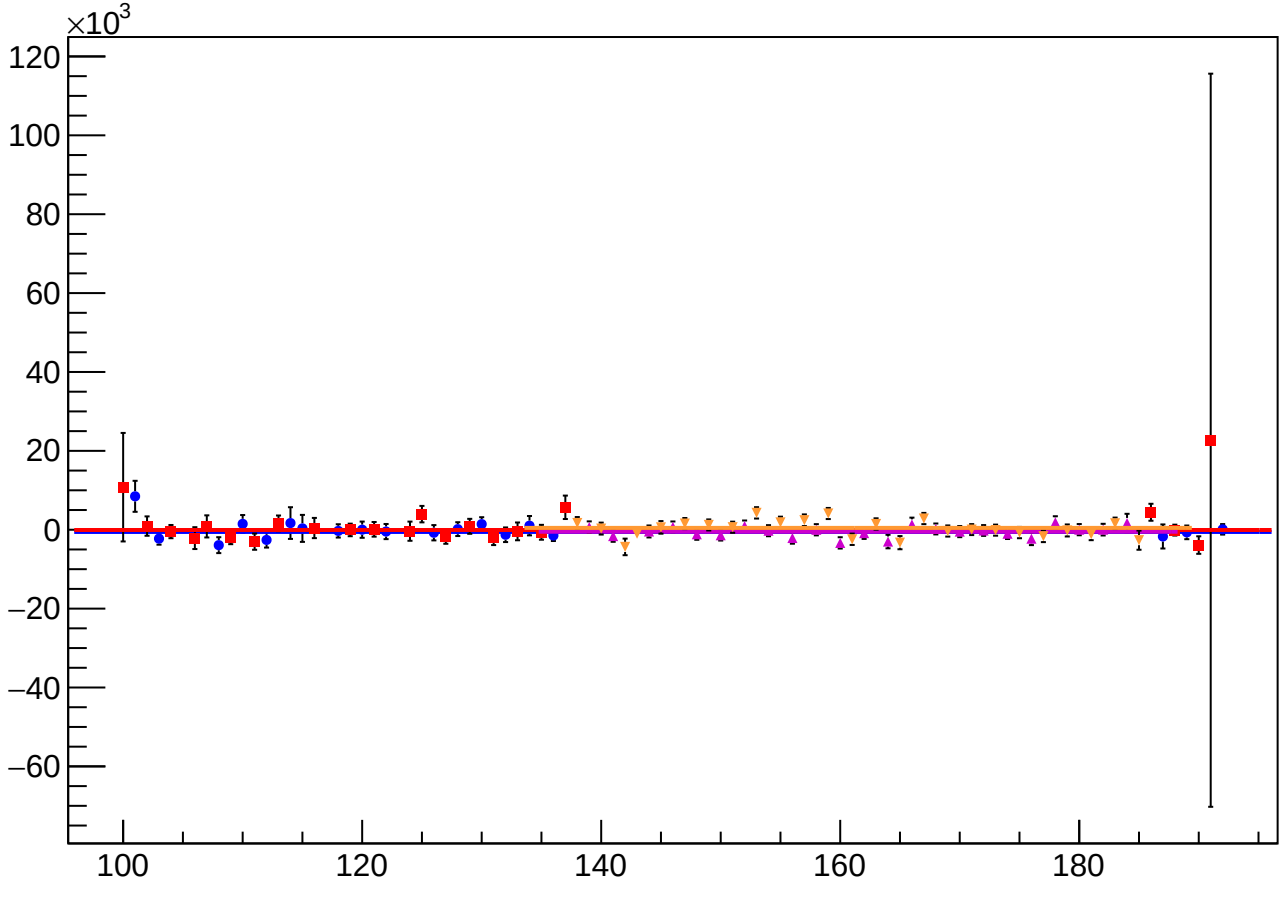
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3504.977+/-0.596 χ^2/NDF: 2042161.1/41

In: 4088.620+/-0.567 χ^2/NDF:2256128.5/41

Out: 3824.860+/-0.525 χ^2/NDF:3996952.8/47

All: 3946.499+/-0.385 χ^2/NDF: 6369509.3/89



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: -65.155+/-439.232 χ^2/NDF: 22.3/22

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

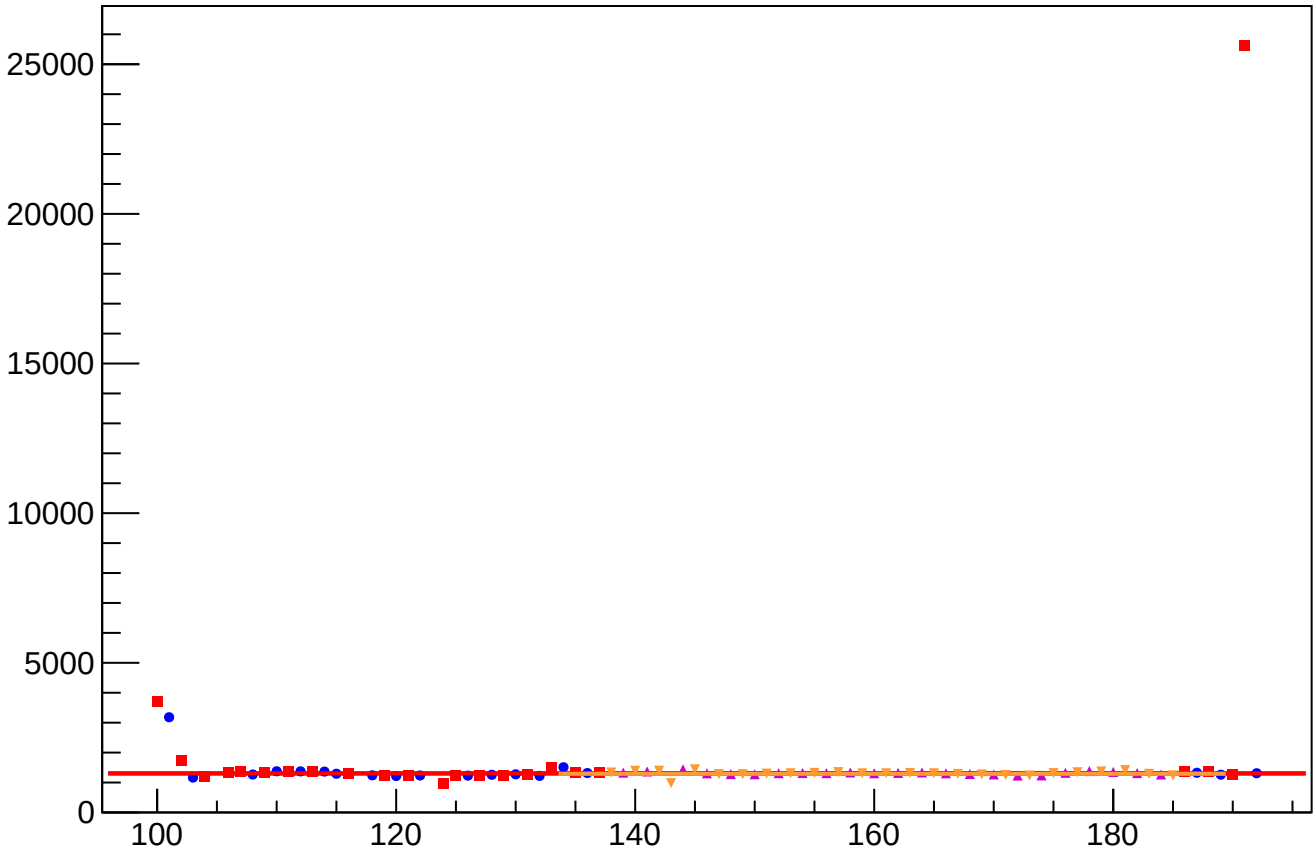
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -308.542+/-311.832 χ^2/NDF: 37.4/41

In: -520.549+/-252.322 χ^2/NDF:31.9/41

Out: 302.793+/-244.467 χ^2/NDF:67.4/47

All: -95.864+/-175.576 χ^2/NDF: 104.8/89



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: 1306.774+/-0.310 χ^2/NDF: 359849.6/22

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

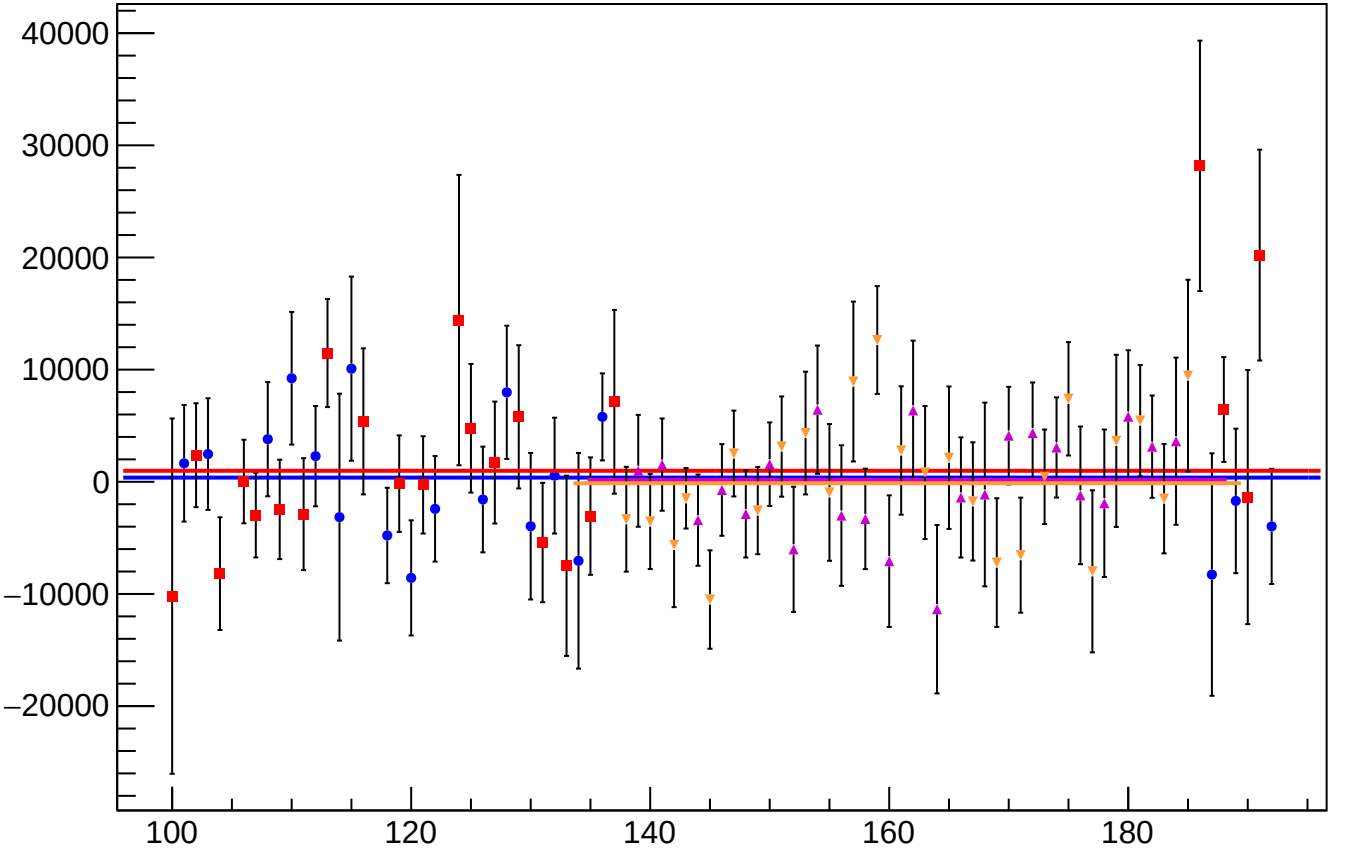
Right: 1304.690+/-0.220 χ^2/NDF: 871811.8/41

In: 1310.293+/-0.178 χ^2/NDF:555819.3/41

Out: 1296.037+/-0.173 χ^2/NDF:592321.6/47

All: 1302.938+/-0.124 χ^2/NDF: 1151434.4/89

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 981.723+/-1141.603 χ^2/NDF: 29.0/22

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

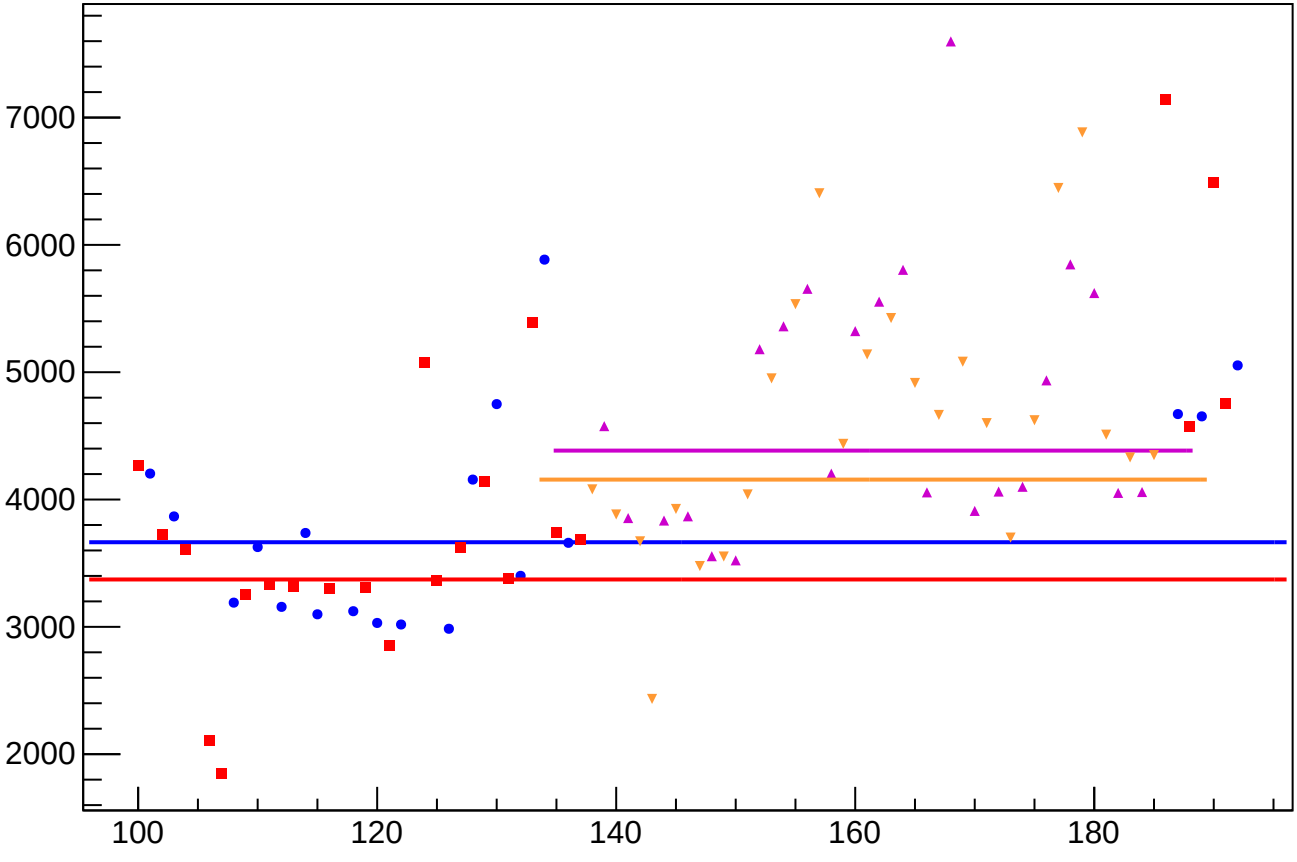
Right: 706.084+/-843.521 χ^2/NDF: 44.8/41

In: 247.875+/-802.456 χ^2/NDF:29.5/41

Out: 341.710+/-742.383 χ^2/NDF:58.1/47

All: 298.436+/-544.945 χ^2/NDF: 87.6/89

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: 3372.151+/-0.807 χ^2/NDF: 1371238.4/22

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

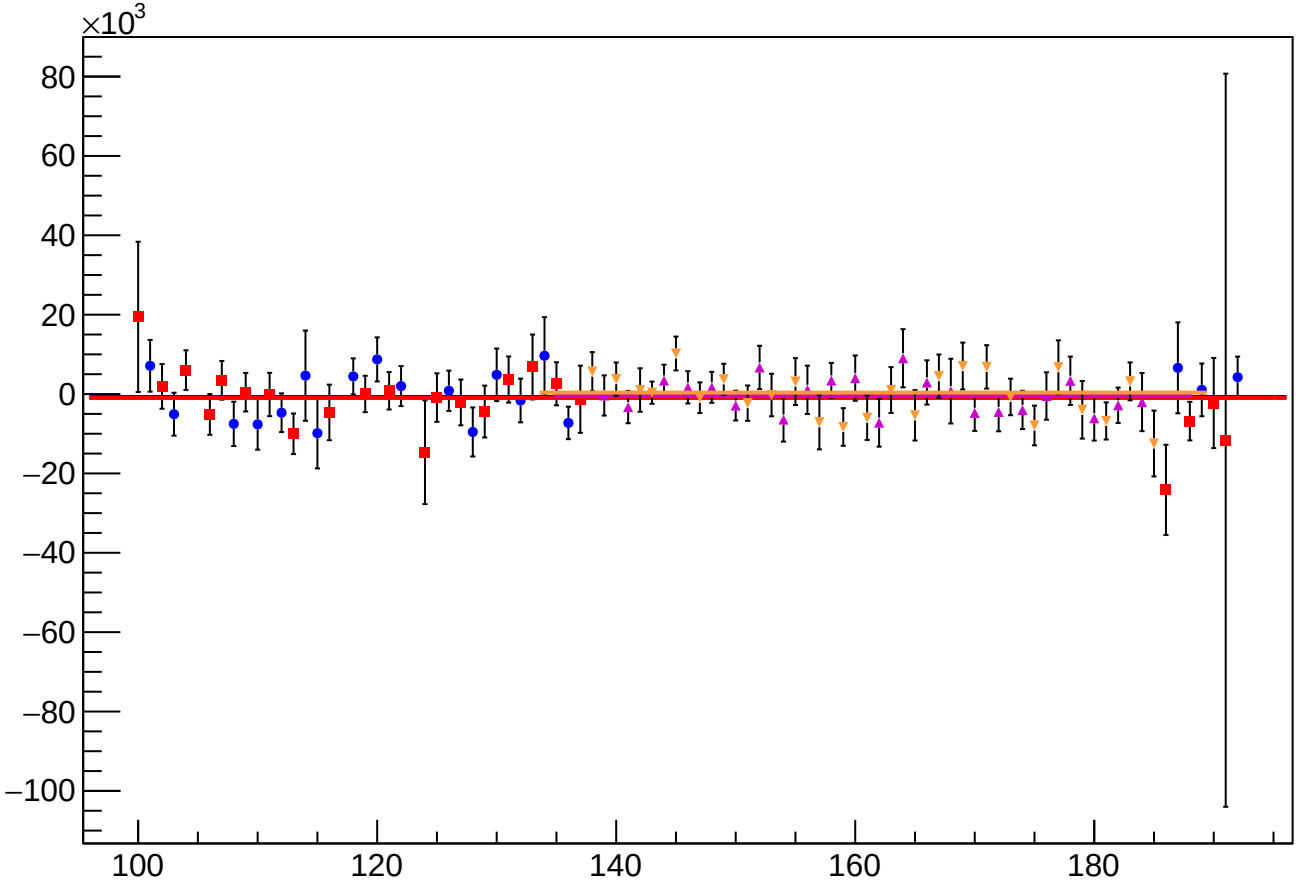
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3504.969+/-0.596 χ^2/NDF: 2042176.2/41

In: 4088.620+/-0.567 χ^2/NDF:2256158.4/41

Out: 3824.859+/-0.525 χ^2/NDF:3996982.0/47

All: 3946.498+/-0.385 χ^2/NDF: 6369568.5/89



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: -983.106+/-1271.828 χ^2/NDF: 17.6/22

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

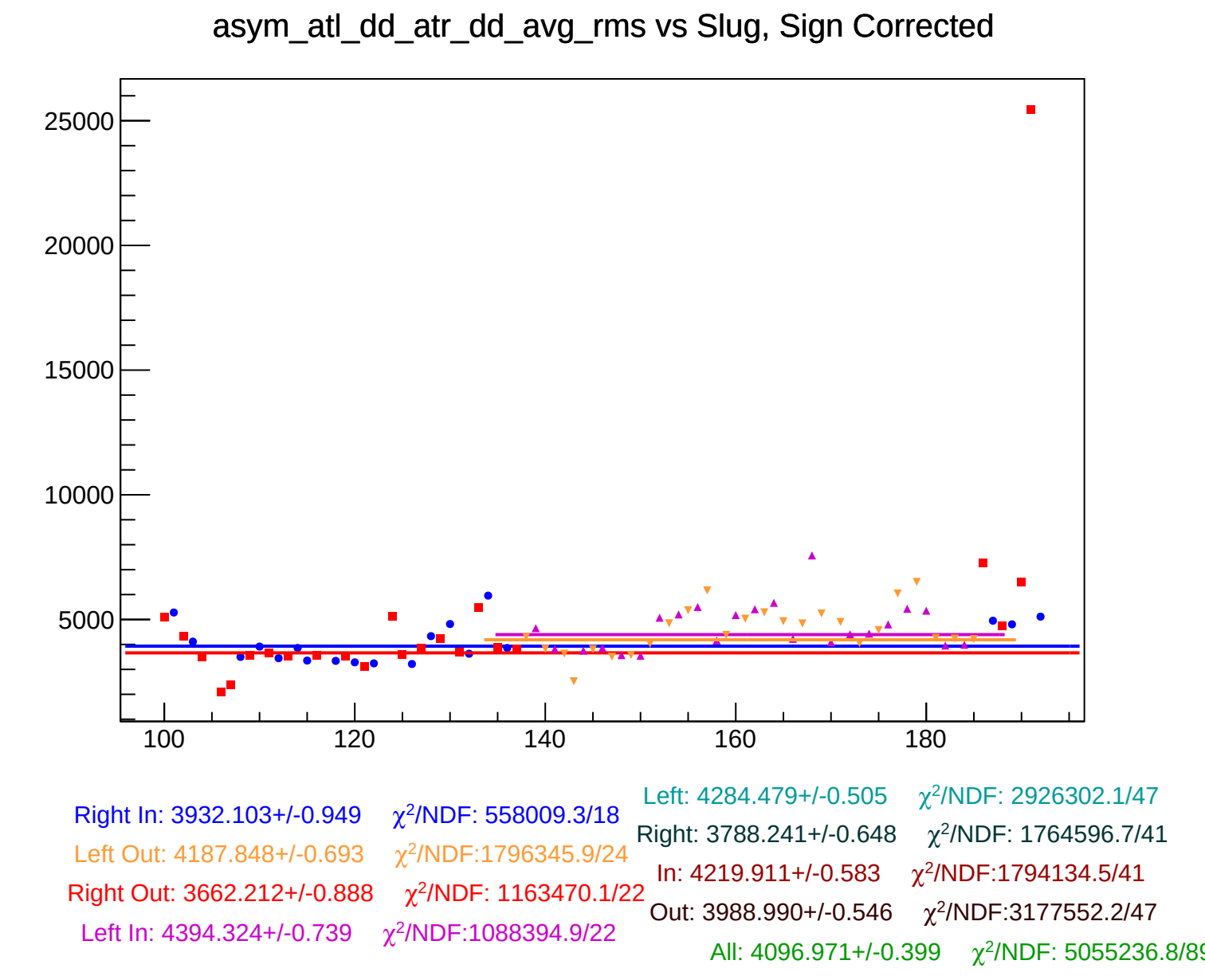
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

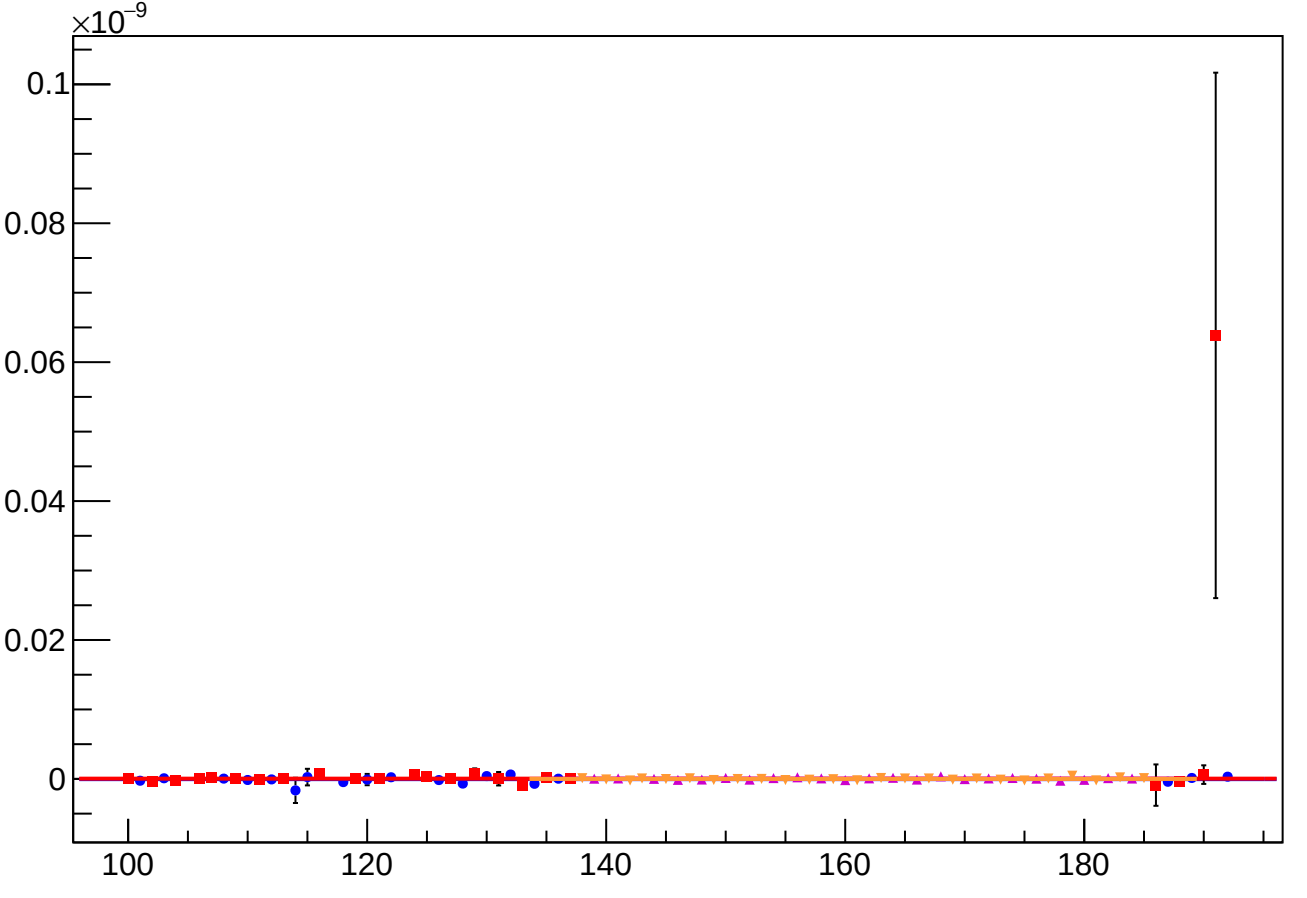
Right: -864.911+/-923.137 χ^2/NDF: 36.8/41

In: -586.492+/-824.370 χ^2/NDF:33.0/41

Out: -138.691+/-776.209 χ^2/NDF:46.0/47

All: -349.129+/-565.122 χ^2/NDF: 79.2/89


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: 3662.212+/-0.888 χ²/NDF: 1163470.1/22
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 3788.241+/-0.648 χ²/NDF: 1764596.7/41
In: 4219.911+/-0.583 χ²/NDF:1794134.5/41
Out: 3988.990+/-0.546 χ²/NDF:3177552.2/47
All: 4096.971+/-0.399 χ²/NDF: 5055236.8/89



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: 21.3/22

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

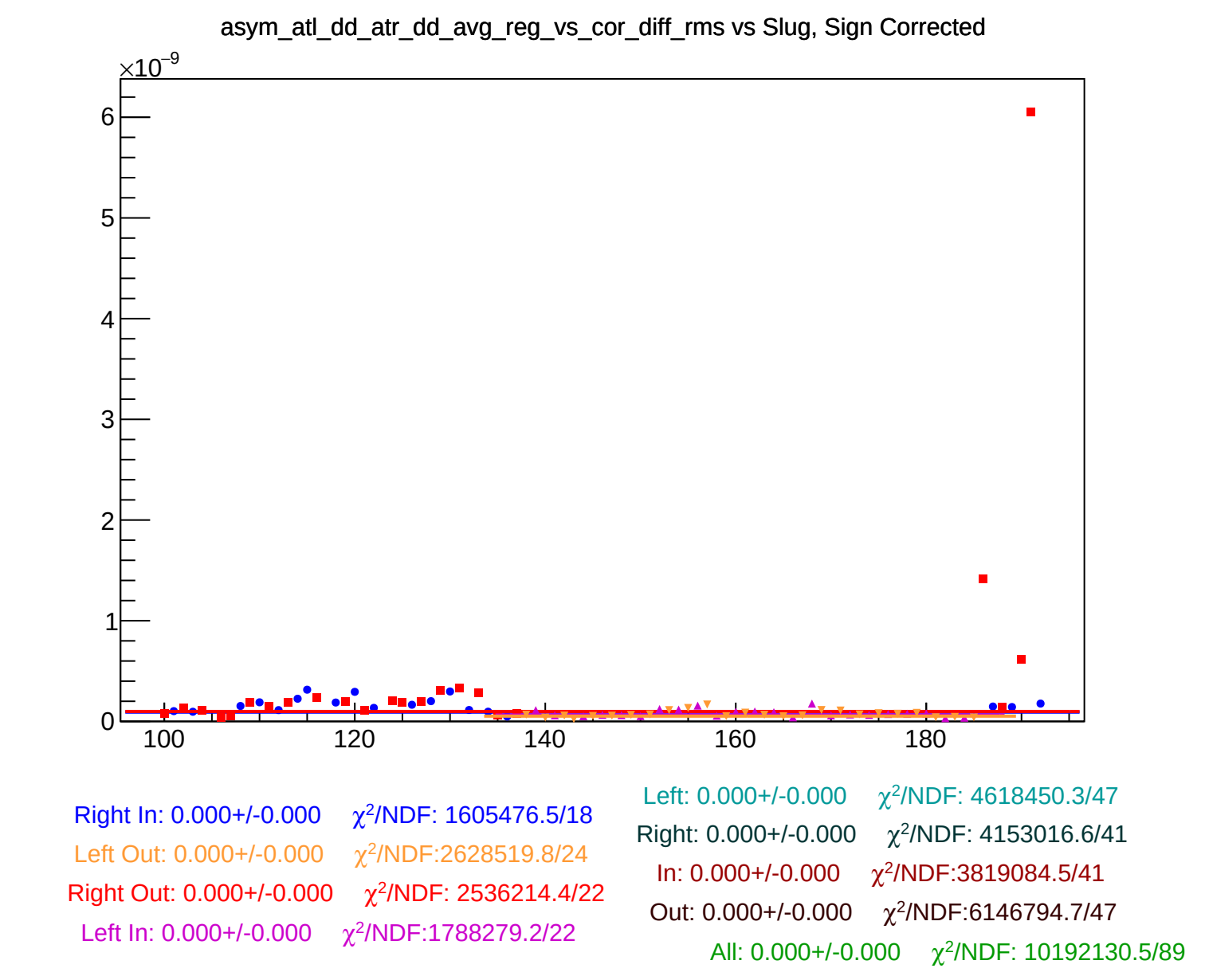
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 40.1/41

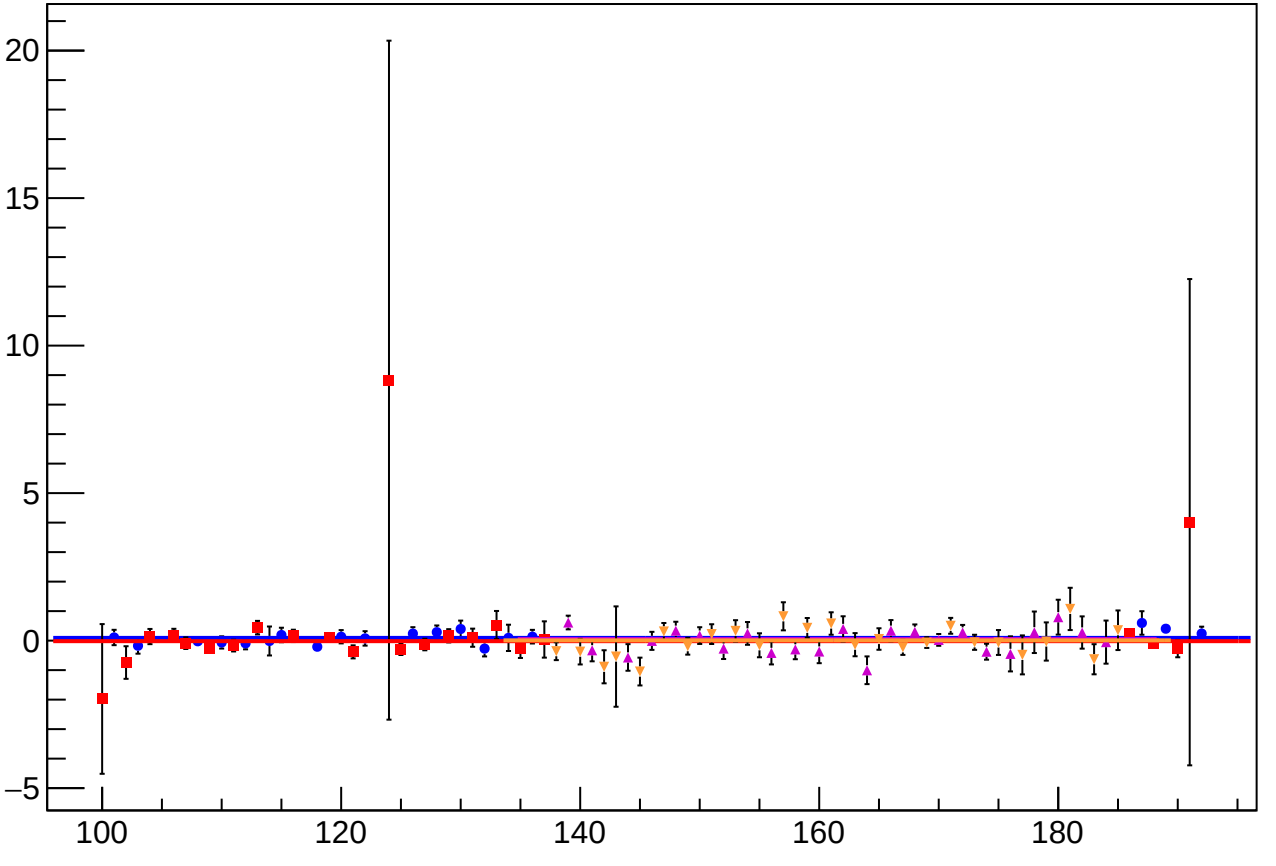
In: 0.000+/-0.000 χ^2/NDF:35.8/41

Out: 0.000+/-0.000 χ^2/NDF:52.1/47

All: 0.000+/-0.000 χ^2/NDF: 88.1/89


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: 2536214.4/22
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: 4153016.6/41
In: 0.000+/-0.000 χ²/NDF:3819084.5/41
Out: 0.000+/-0.000 χ²/NDF:6146794.7/47
All: 0.000+/-0.000 χ²/NDF: 10192130.5/89

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: -0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

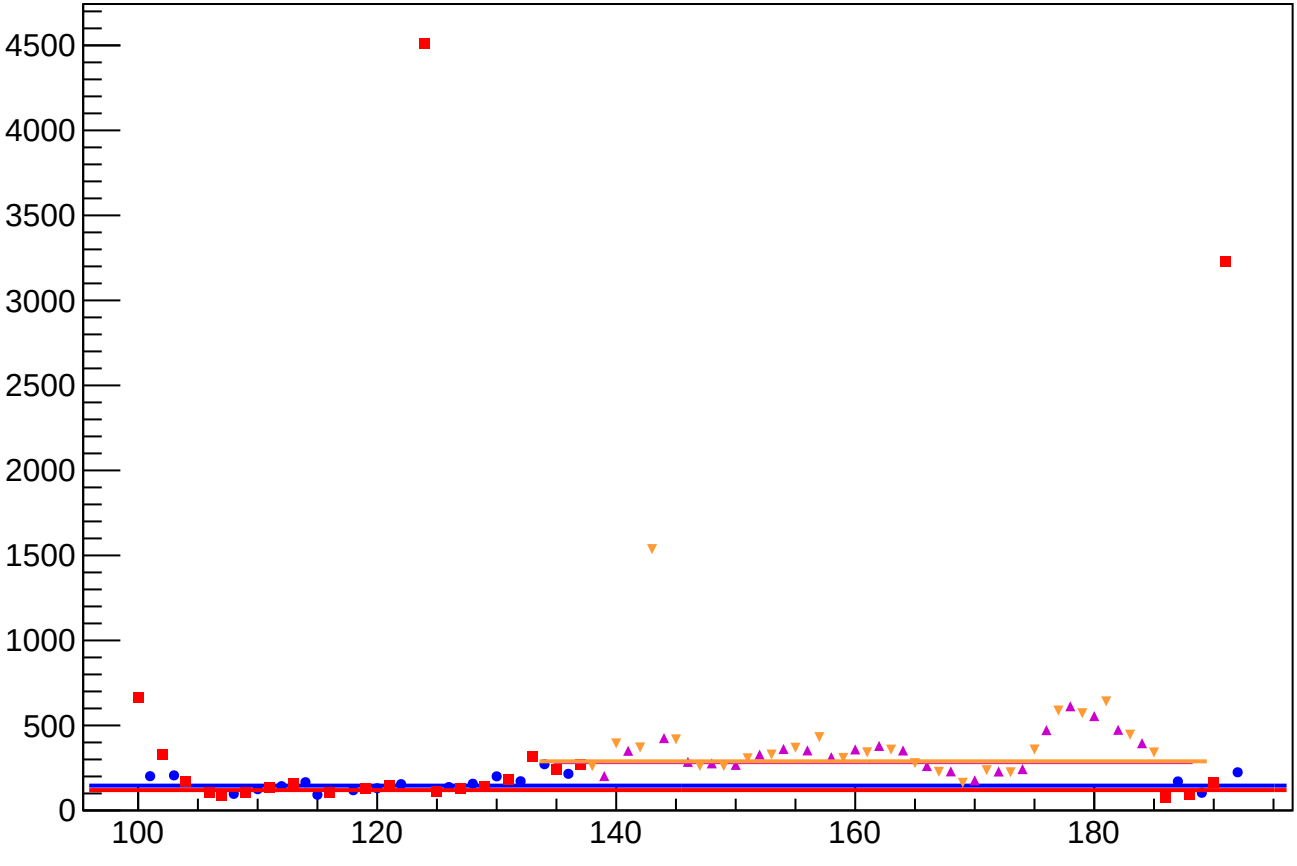
Right: 0.028+/-0.034 χ^2/NDF: 45.3/41

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.011+/-0.038 χ^2/NDF:54.7/47

All: 0.029+/-0.028 χ^2/NDF: 102.1/89

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: 119.726+/-0.031 χ^2/NDF: 2481719.2/22

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

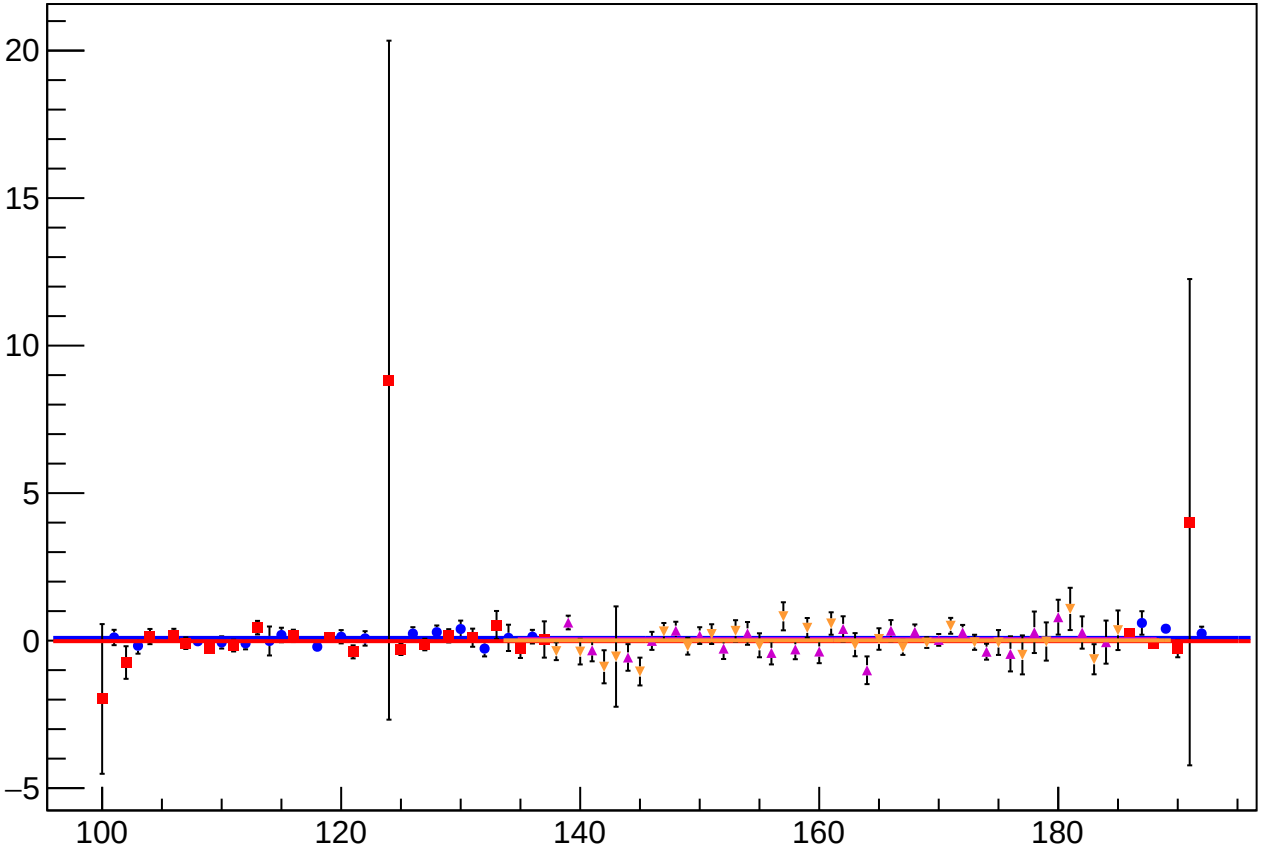
Right: 130.765+/-0.024 χ^2/NDF: 4163610.3/41

In: 194.906+/-0.030 χ^2/NDF:9439381.6/41

Out: 167.155+/-0.027 χ^2/NDF:15299671.7/47

All: 179.540+/-0.020 χ^2/NDF: 25225278.3/89

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: -0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

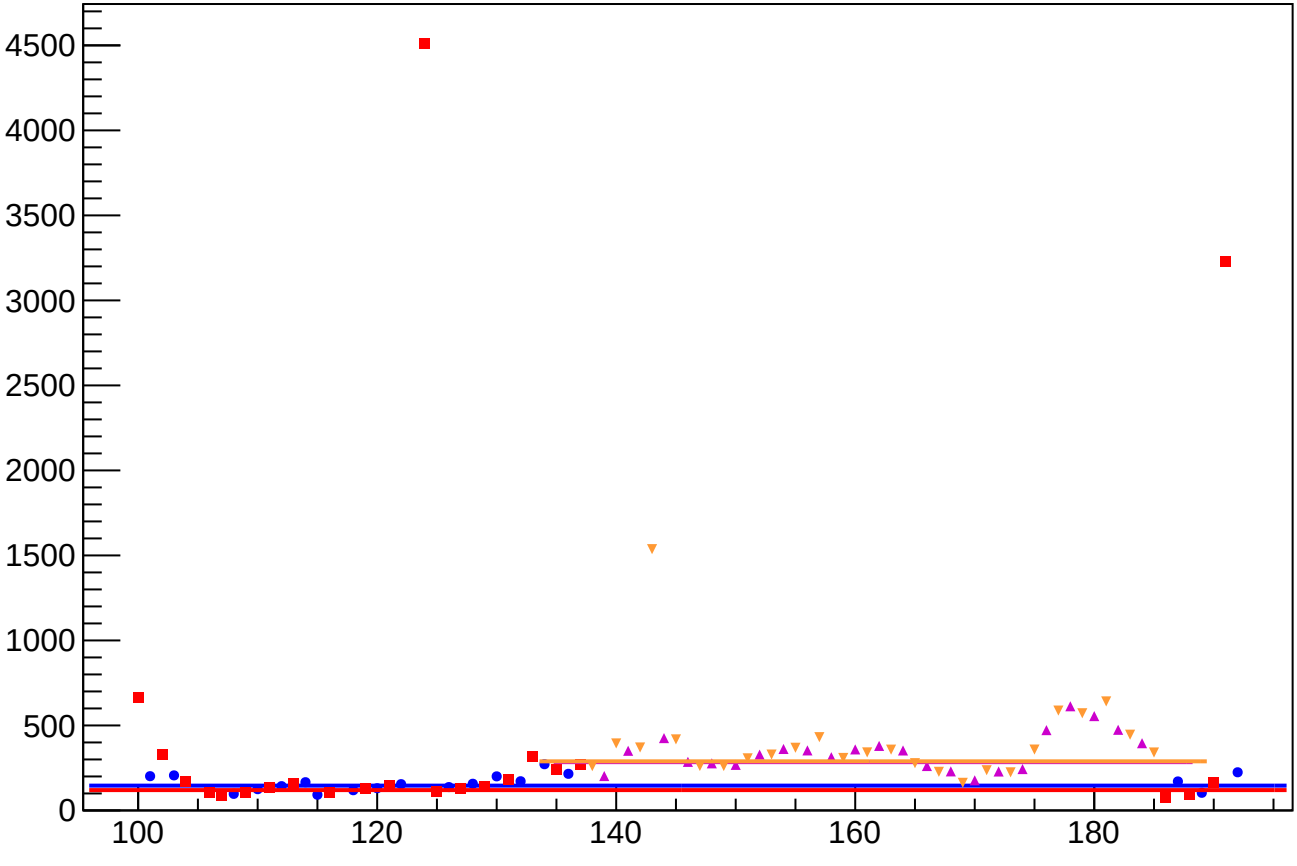
Right: 0.028+/-0.034 χ^2/NDF: 45.3/41

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.011+/-0.038 χ^2/NDF:54.7/47

All: 0.029+/-0.028 χ^2/NDF: 102.1/89

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: 119.726+/-0.031 χ^2/NDF: 2481719.2/22

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

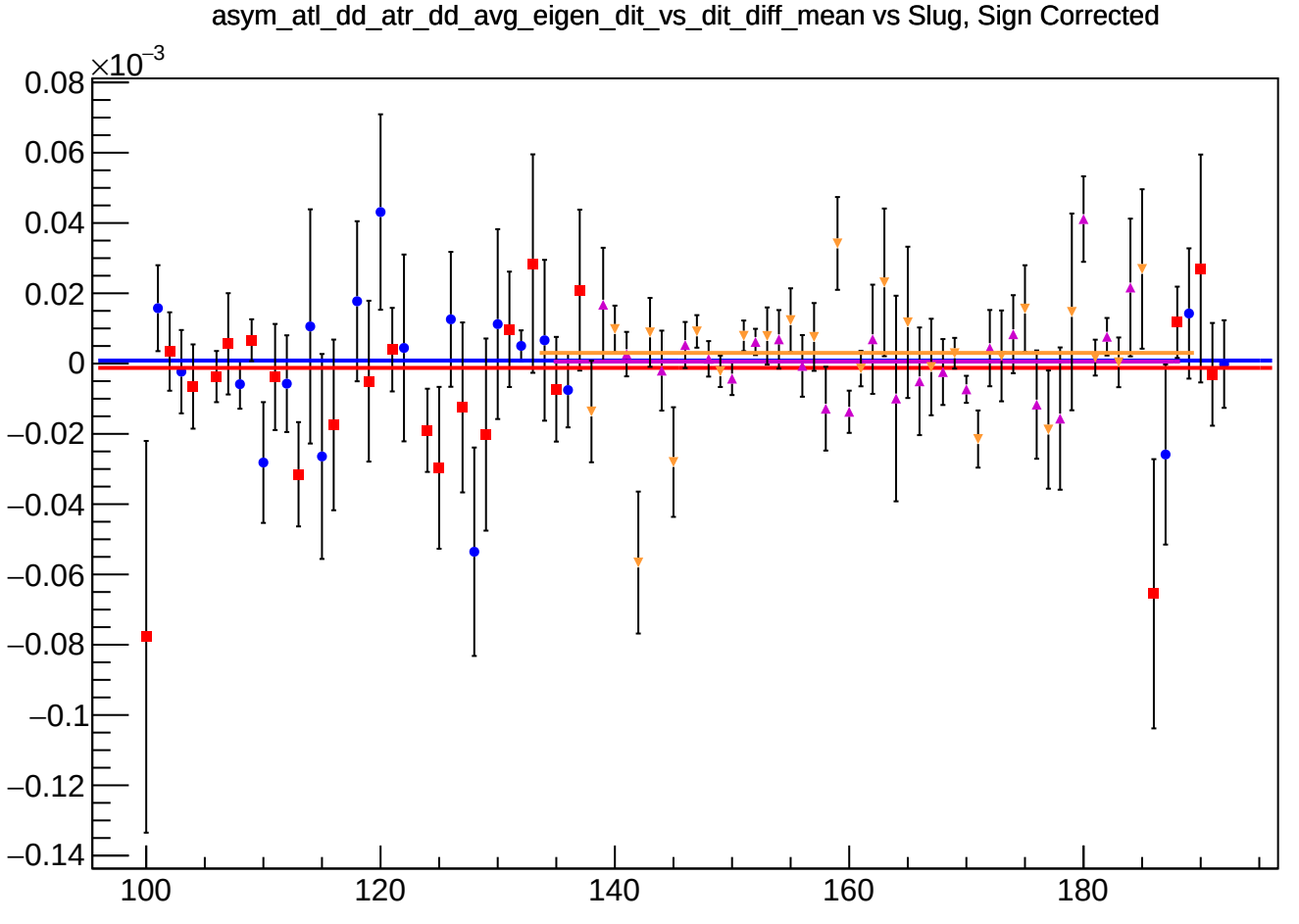
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

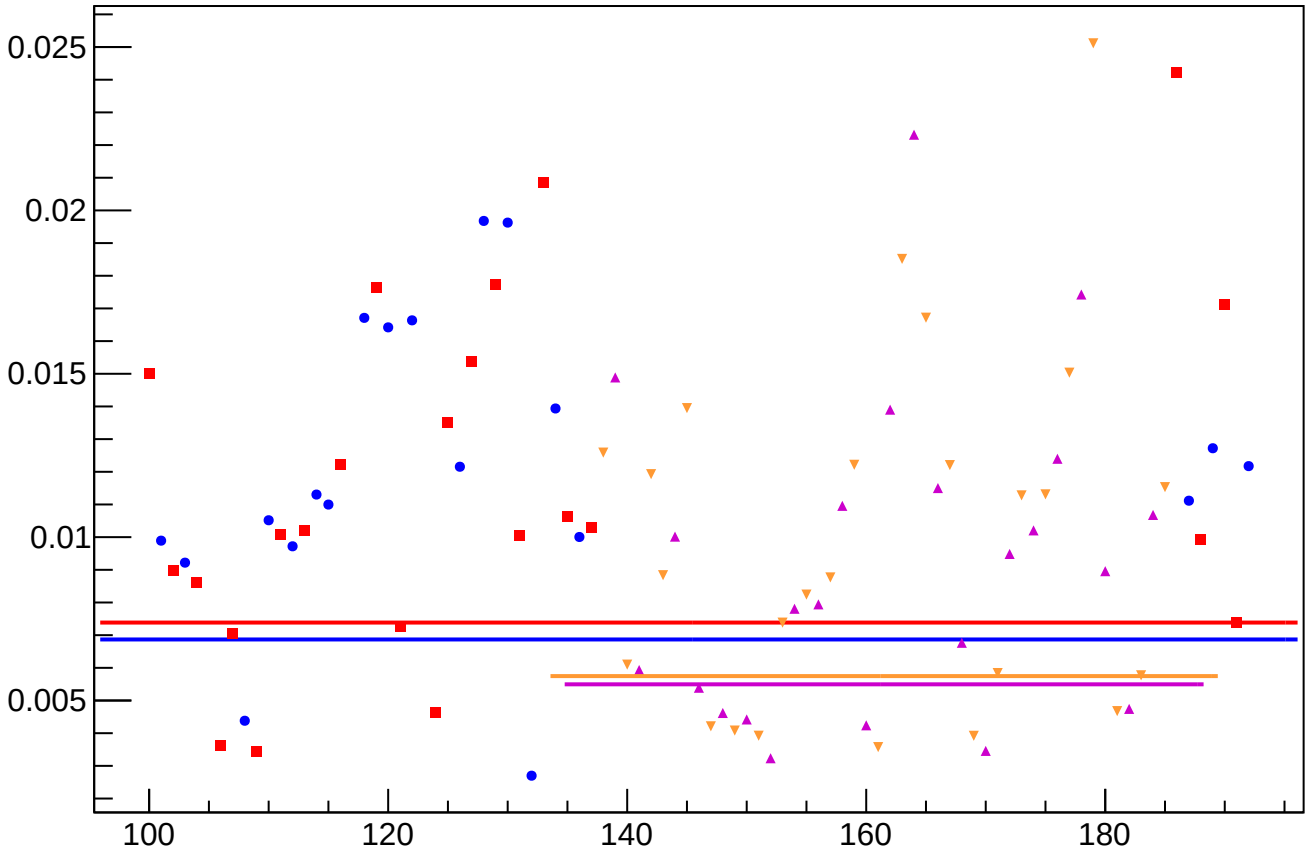
Right: 130.765+/-0.024 χ^2/NDF: 4163610.3/41

In: 194.906+/-0.030 χ^2/NDF:9439381.6/41

Out: 167.155+/-0.027 χ^2/NDF:15299671.7/47

All: 179.540+/-0.020 χ^2/NDF: 25225278.3/89


asym_atl_dd_atr_dd_avg_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: 21.4/22
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: 38.1/41
In: 0.000+/-0.000 χ²/NDF:49.7/41
Out: 0.000+/-0.000 χ²/NDF:65.4/47
All: 0.000+/-0.000 χ²/NDF: 115.6/89



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: 0.007+/-0.000 χ^2/NDF: 4140337.9/22

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

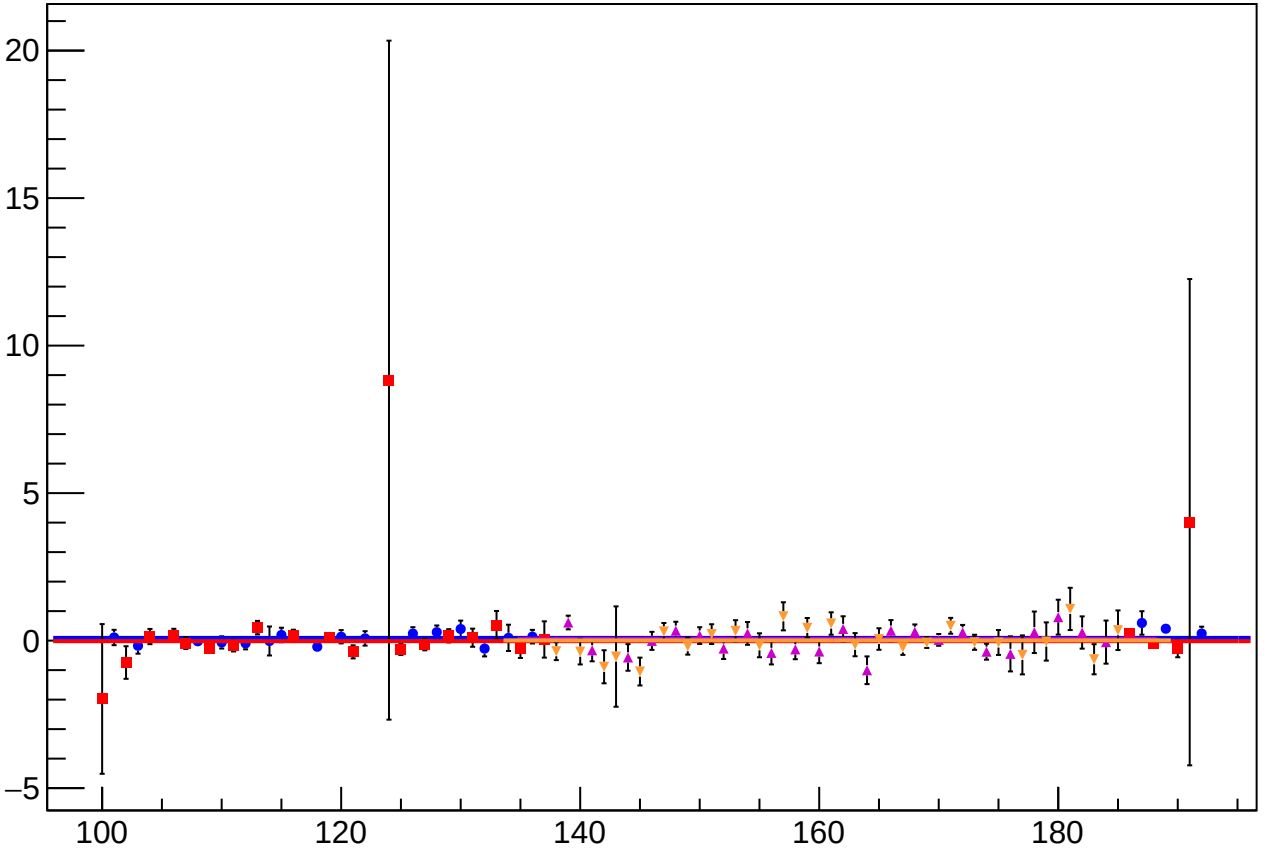
Right: 0.007+/-0.000 χ^2/NDF: 9487999.8/41

In: 0.006+/-0.000 χ^2/NDF:12622879.3/41

Out: 0.006+/-0.000 χ^2/NDF:12792925.7/47

All: 0.006+/-0.000 χ^2/NDF: 25469920.2/89

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: -0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

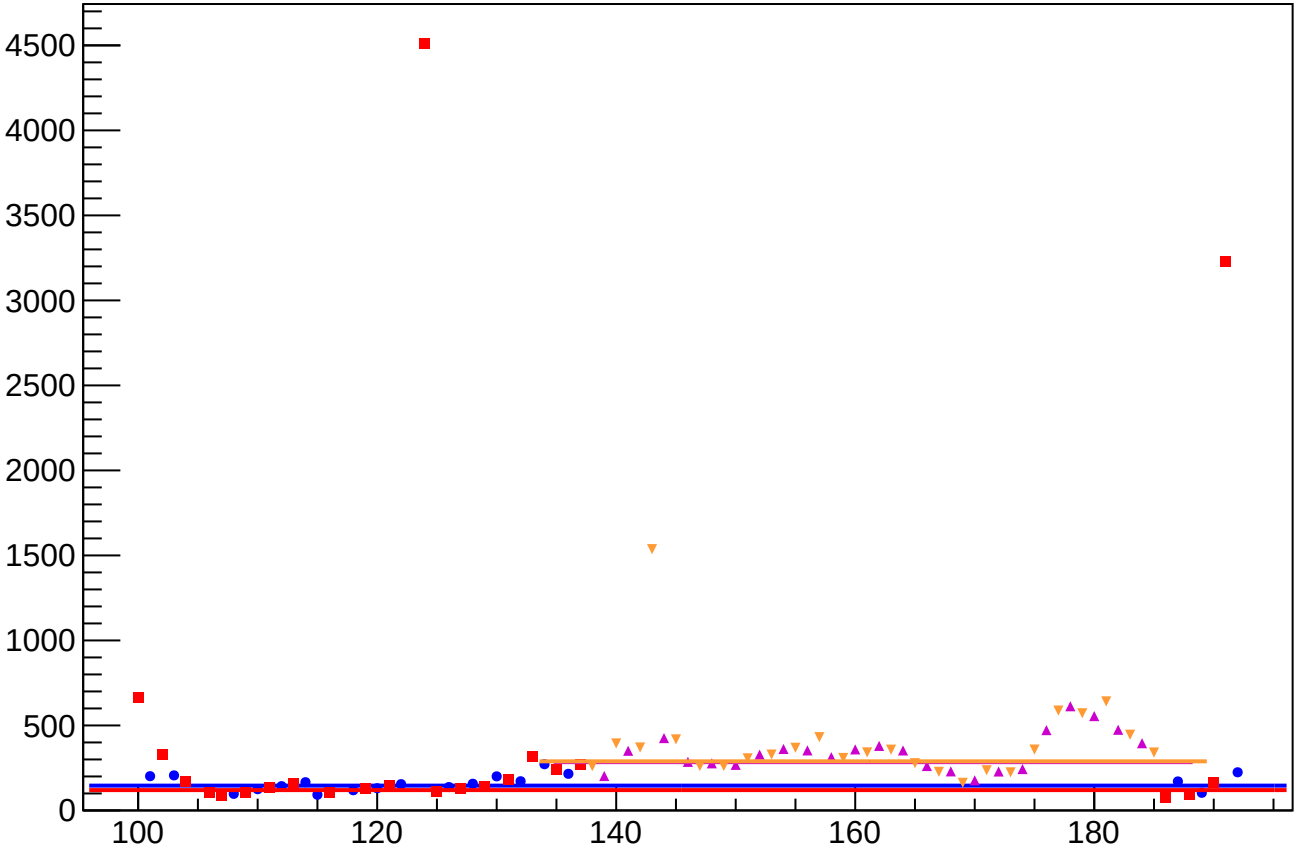
Right: 0.028+/-0.034 χ^2/NDF: 45.3/41

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.011+/-0.038 χ^2/NDF:54.7/47

All: 0.029+/-0.028 χ^2/NDF: 102.1/89

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: 119.727+/-0.031 χ^2/NDF: 2481570.6/22

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

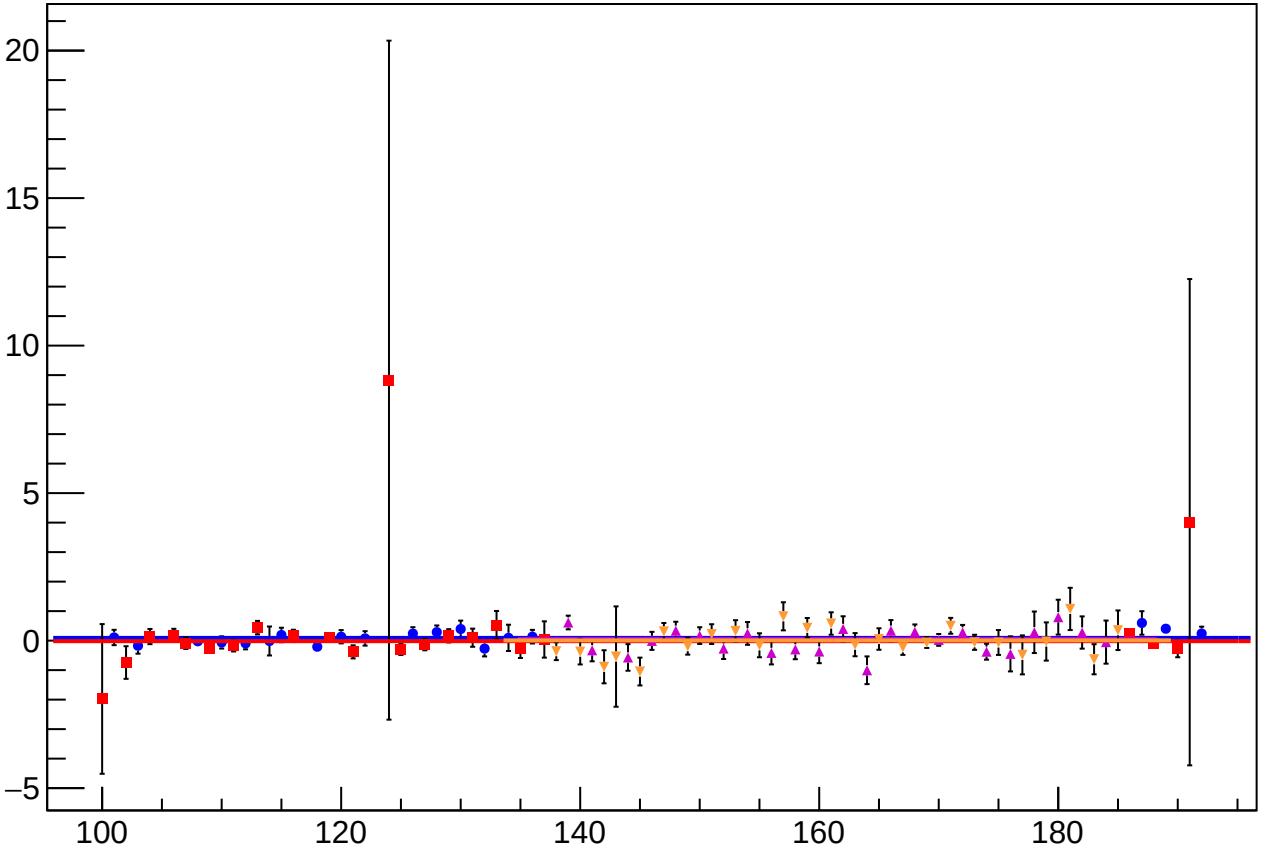
Right: 130.766+/-0.024 χ^2/NDF: 4163372.5/41

In: 194.906+/-0.030 χ^2/NDF:9439576.0/41

Out: 167.156+/-0.027 χ^2/NDF:15299485.1/47

All: 179.541+/-0.020 χ^2/NDF: 25225204.0/89

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: -0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

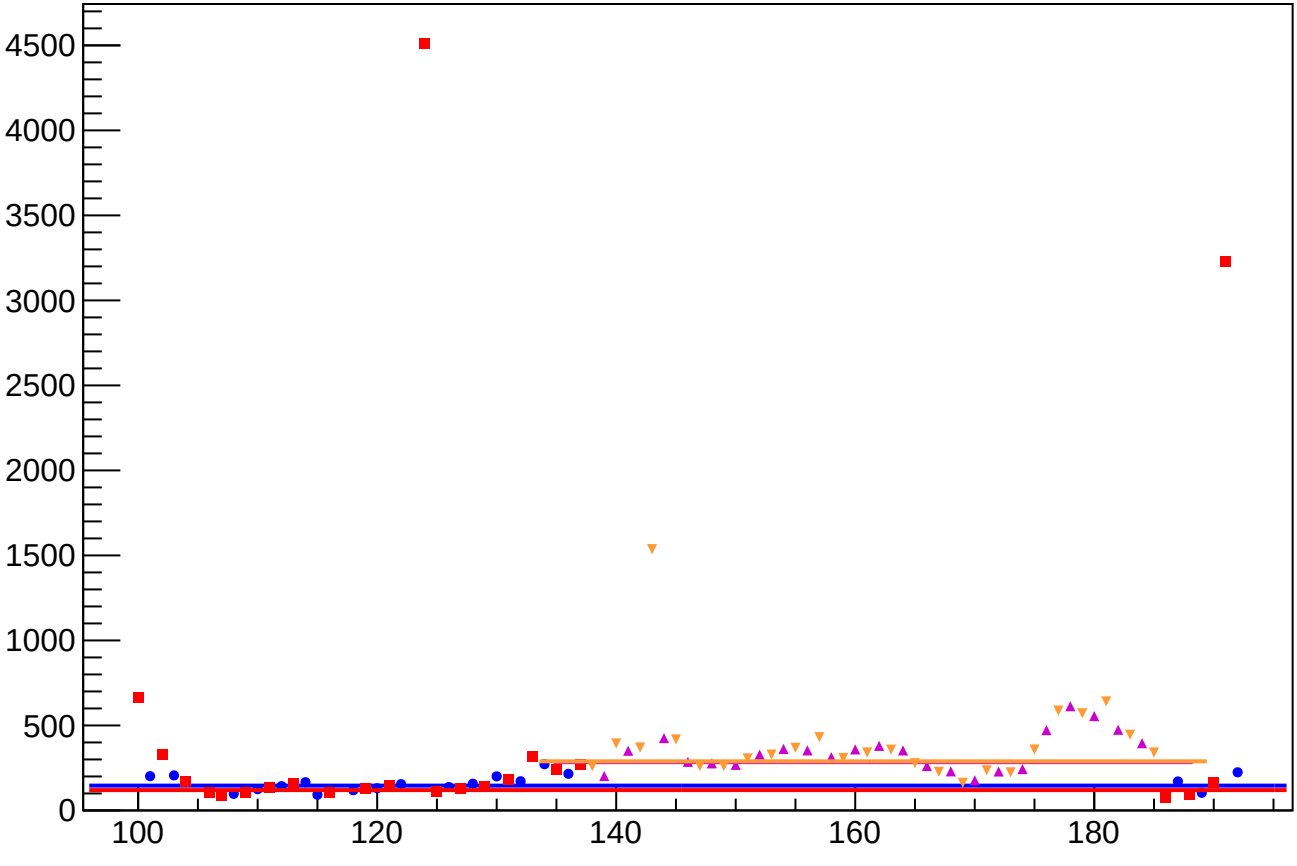
Right: 0.028+/-0.034 χ^2/NDF: 45.3/41

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.011+/-0.038 χ^2/NDF:54.7/47

All: 0.029+/-0.028 χ^2/NDF: 102.1/89

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: 119.727+/-0.031 χ^2/NDF: 2481570.6/22

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

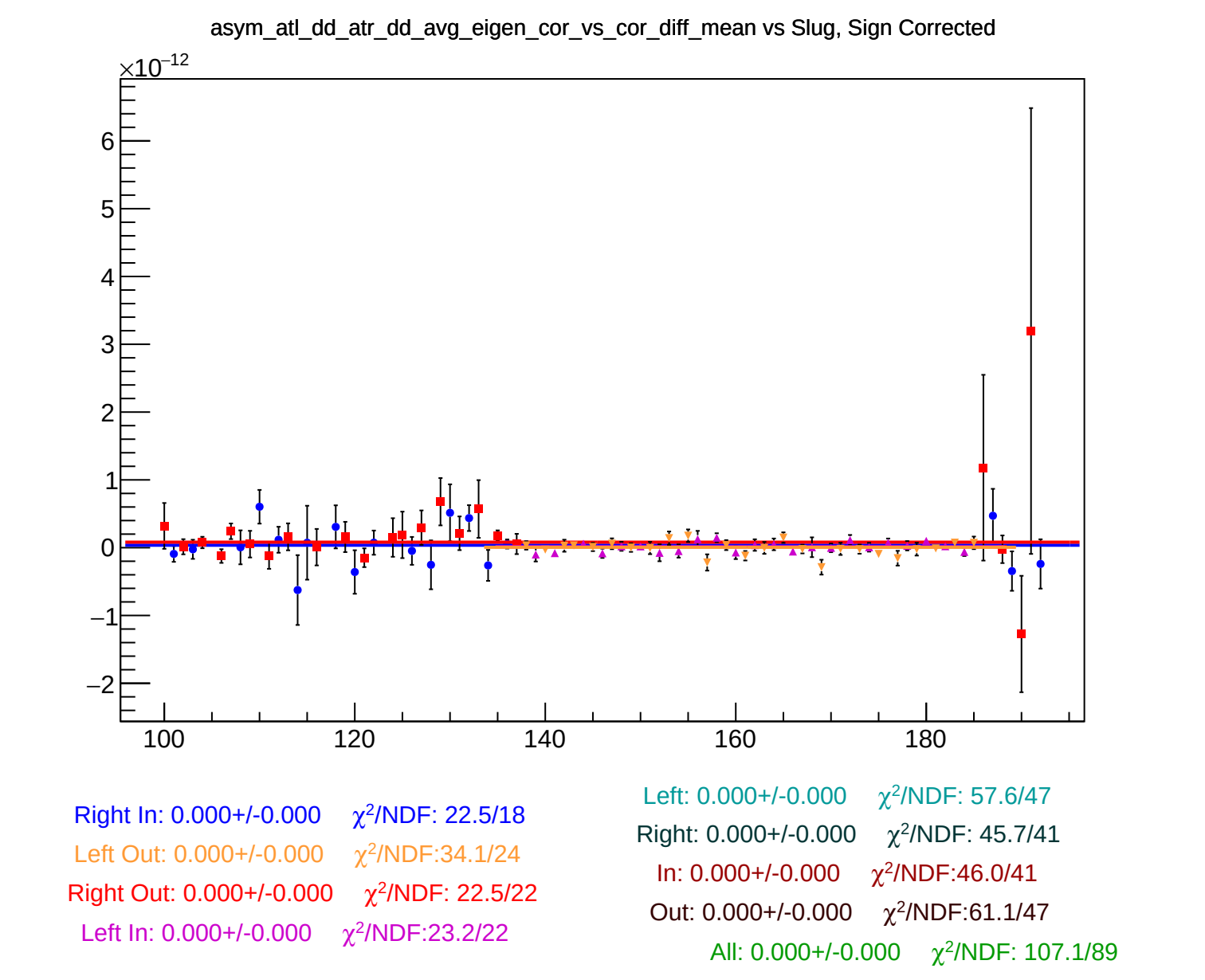
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 130.766+/-0.024 χ^2/NDF: 4163372.5/41

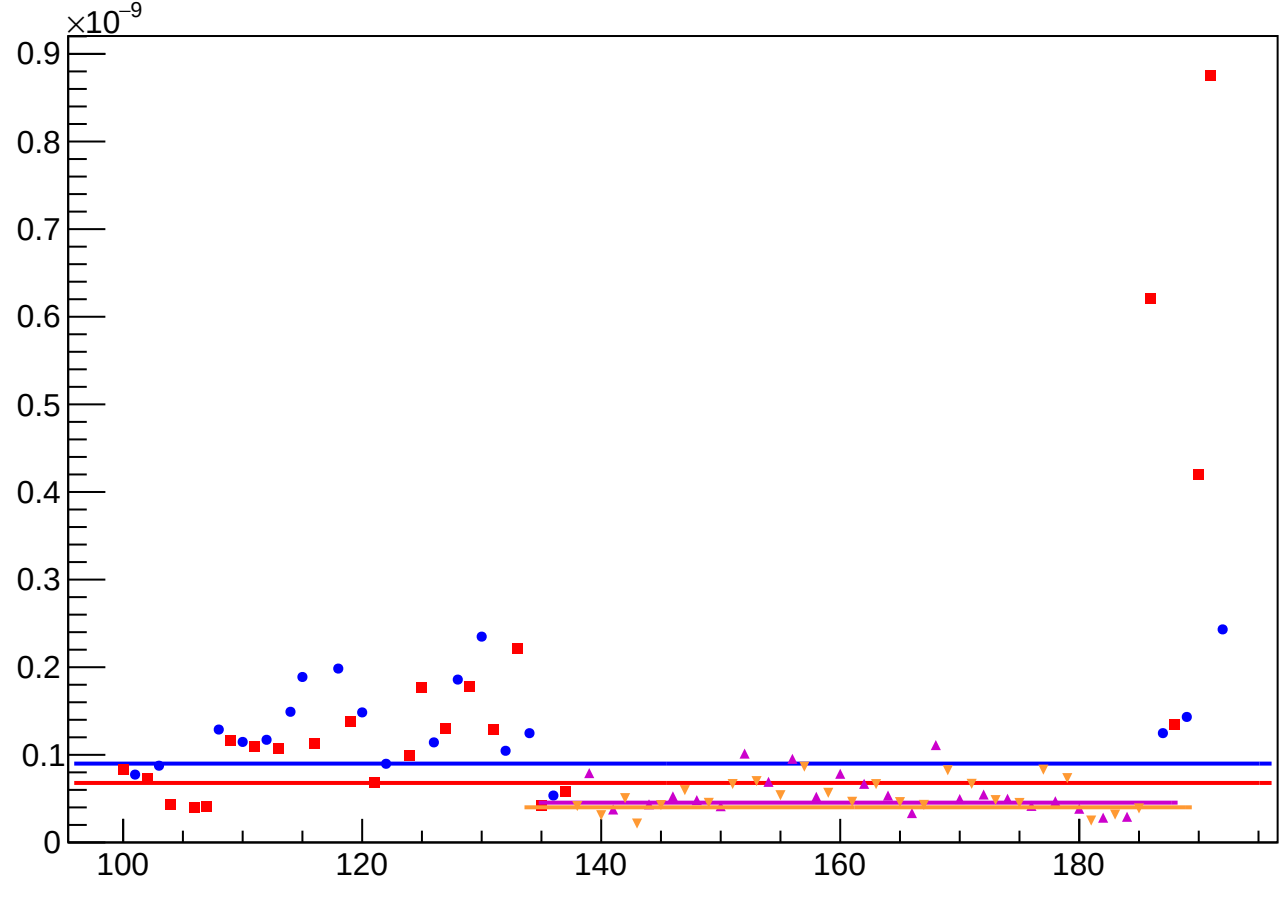
In: 194.906+/-0.030 χ^2/NDF:9439576.0/41

Out: 167.156+/-0.027 χ^2/NDF:15299485.1/47

All: 179.541+/-0.020 χ^2/NDF: 25225204.0/89


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: 22.5/22
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: 45.7/41
In: 0.000+/-0.000 χ²/NDF:46.0/41
Out: 0.000+/-0.000 χ²/NDF:61.1/47
All: 0.000+/-0.000 χ²/NDF: 107.1/89

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: 3167915.4/22

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

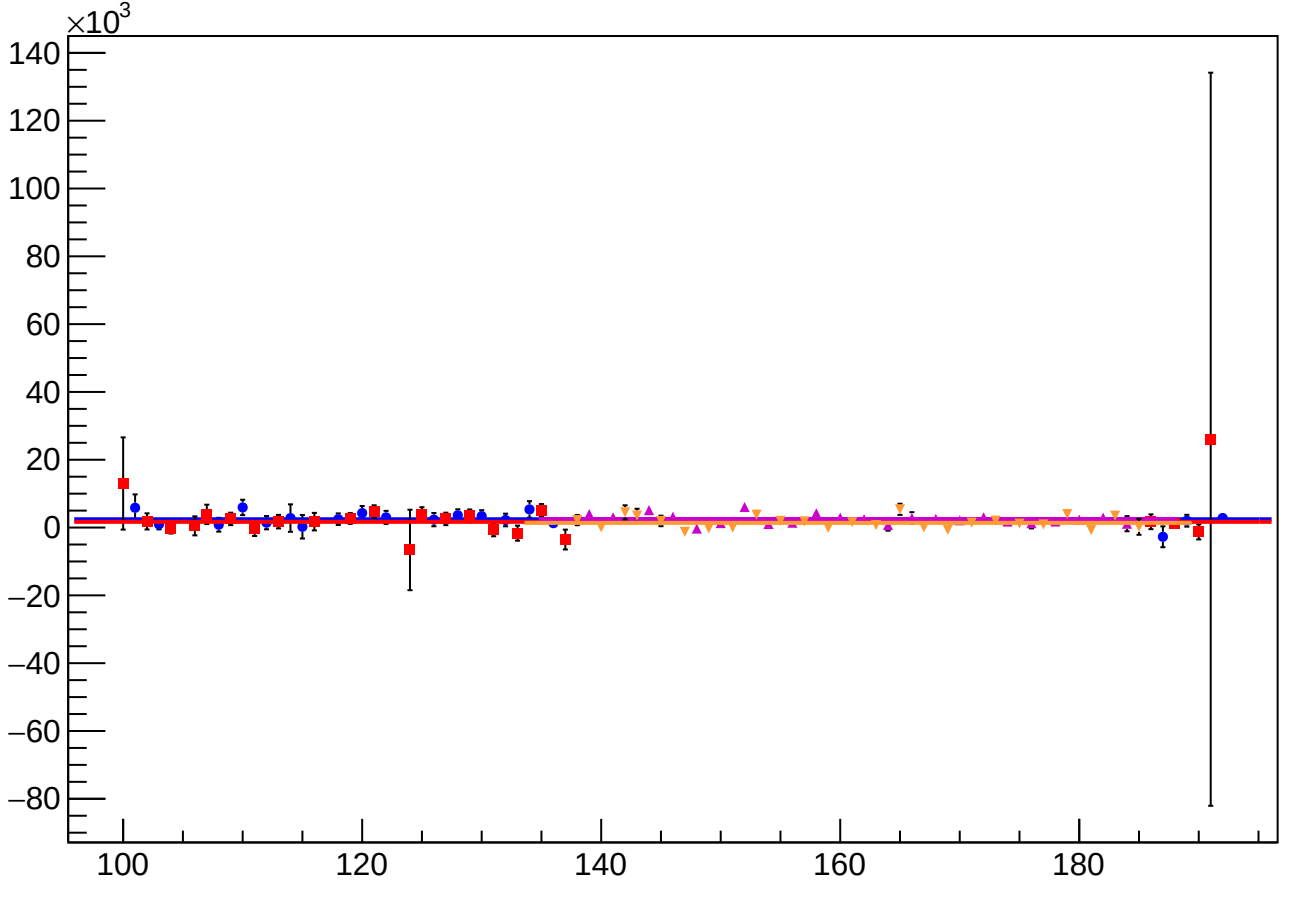
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 5523867.0/41

In: 0.000+/-0.000 χ^2/NDF:6856545.3/41

Out: 0.000+/-0.000 χ^2/NDF:7979030.3/47

All: 0.000+/-0.000 χ^2/NDF: 15104264.4/89



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: 1685.859+/-446.615 χ^2/NDF: 21.6/22

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

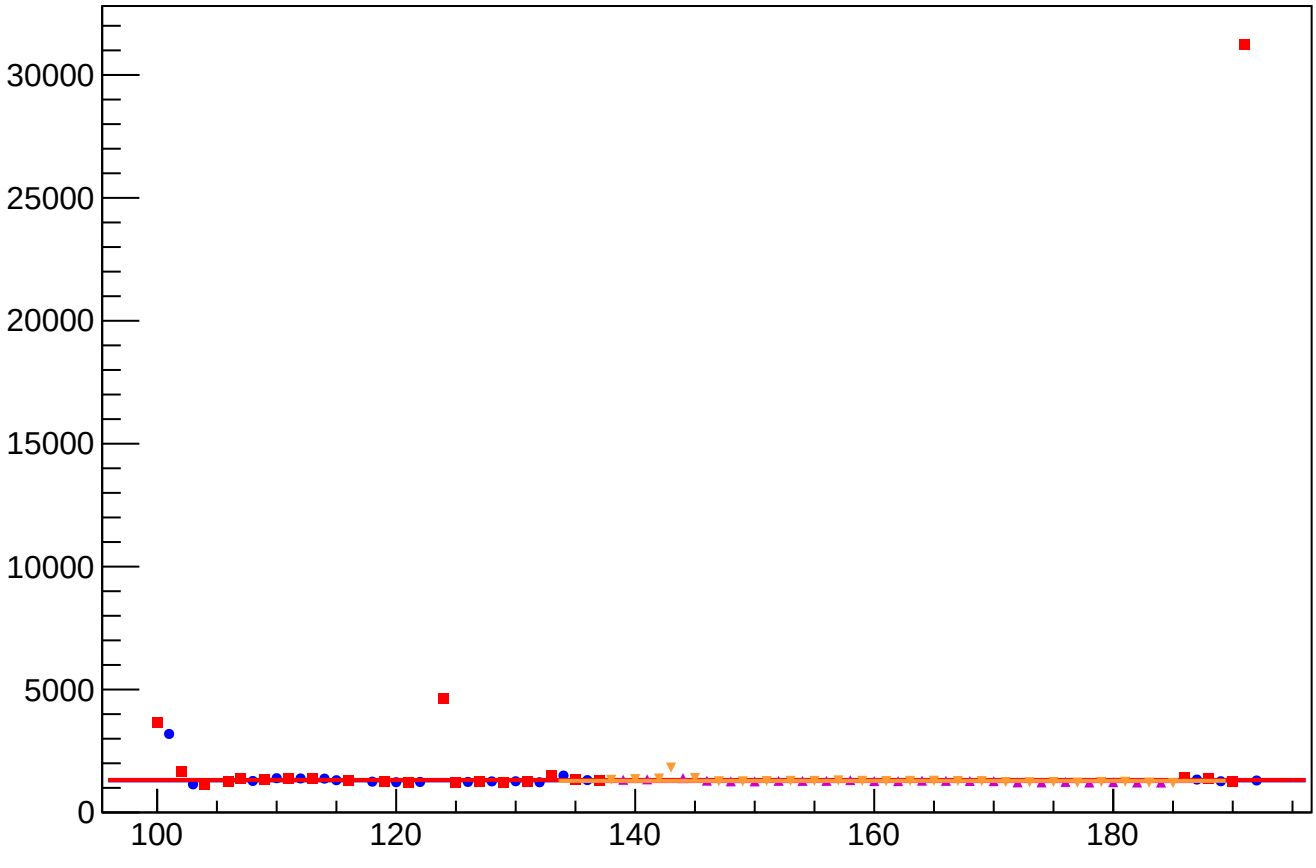
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2070.745+/-314.685 χ^2/NDF: 35.1/41

In: 2497.846+/-247.397 χ^2/NDF:34.5/41

Out: 1474.208+/-244.854 χ^2/NDF:54.8/47

All: 1980.739+/-174.030 χ^2/NDF: 98.0/89



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: 1323.492+/-0.315 χ^2/NDF: 487133.5/22

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

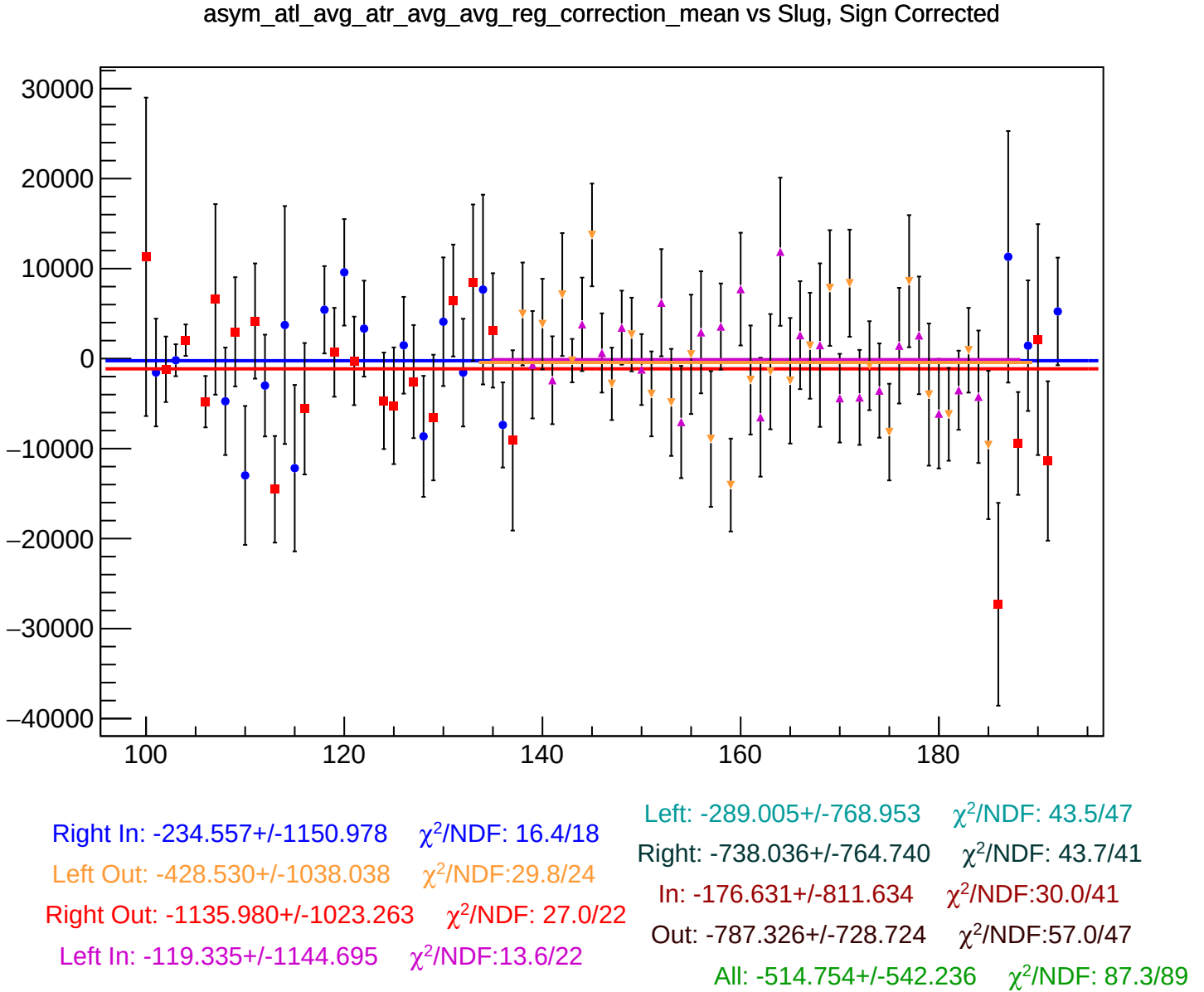
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1313.925+/-0.222 χ^2/NDF: 1006346.7/41

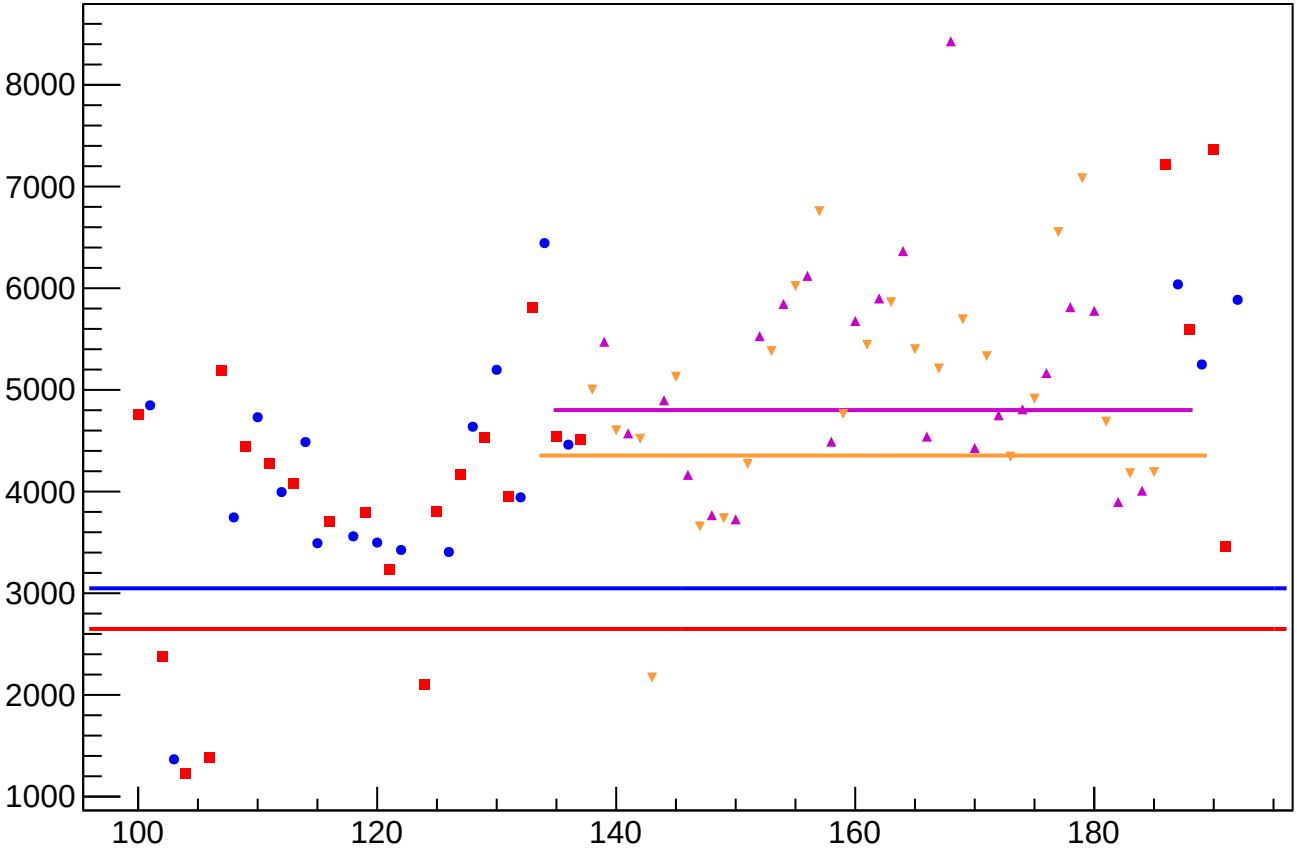
In: 1284.813+/-0.175 χ^2/NDF:564470.5/41

Out: 1297.059+/-0.173 χ^2/NDF:688235.2/47

All: 1291.003+/-0.123 χ^2/NDF: 1255182.6/89


asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -234.557+/-1150.978 χ²/NDF: 16.4/18
Left Out: -428.530+/-1038.038 χ²/NDF:29.8/24
Right Out: -1135.980+/-1023.263 χ²/NDF: 27.0/22
Left In: -119.335+/-1144.695 χ²/NDF:13.6/22
Left: -289.005+/-768.953 χ²/NDF: 43.5/47
Right: -738.036+/-764.740 χ²/NDF: 43.7/41
In: -176.631+/-811.634 χ²/NDF:30.0/41
Out: -787.326+/-728.724 χ²/NDF:57.0/47
All: -514.754+/-542.236 χ²/NDF: 87.3/89

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: 2648.559+/-0.724 χ^2/NDF: 4563267.7/22

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

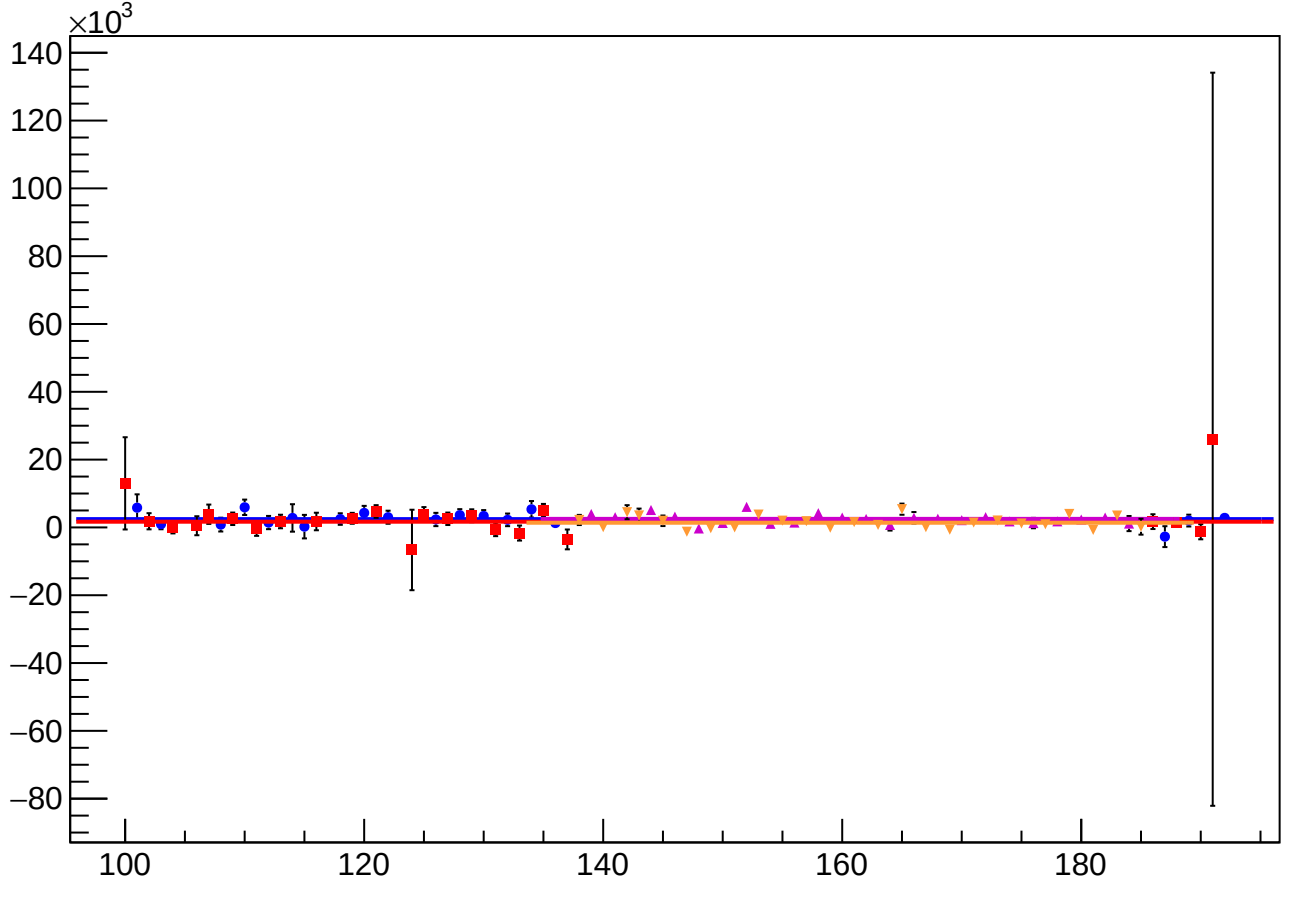
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 2825.113+/-0.541 χ^2/NDF: 8381921.8/41

In: 3929.829+/-0.574 χ^2/NDF:7248271.4/41

Out: 3489.315+/-0.515 χ^2/NDF:10374364.3/47

All: 3685.930+/-0.383 χ^2/NDF: 17948833.9/8



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: 1685.635+/-446.615 χ^2/NDF: 21.6/22

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

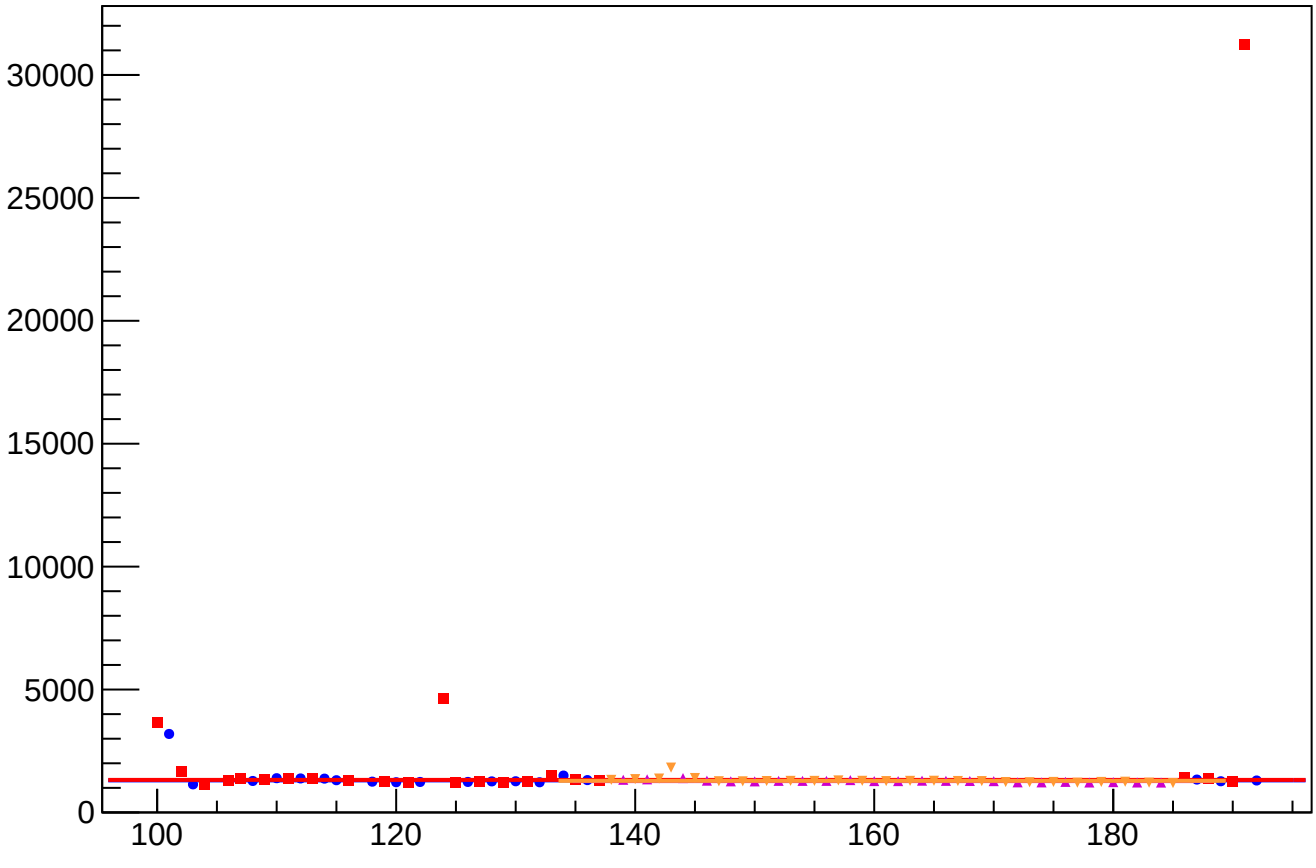
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2070.534+/-314.685 χ^2/NDF: 35.1/41

In: 2497.785+/-247.397 χ^2/NDF:34.5/41

Out: 1474.095+/-244.854 χ^2/NDF:54.8/47

All: 1980.652+/-174.030 χ^2/NDF: 98.0/89



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: 1324.423+/-0.315 χ^2/NDF: 486502.4/22

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

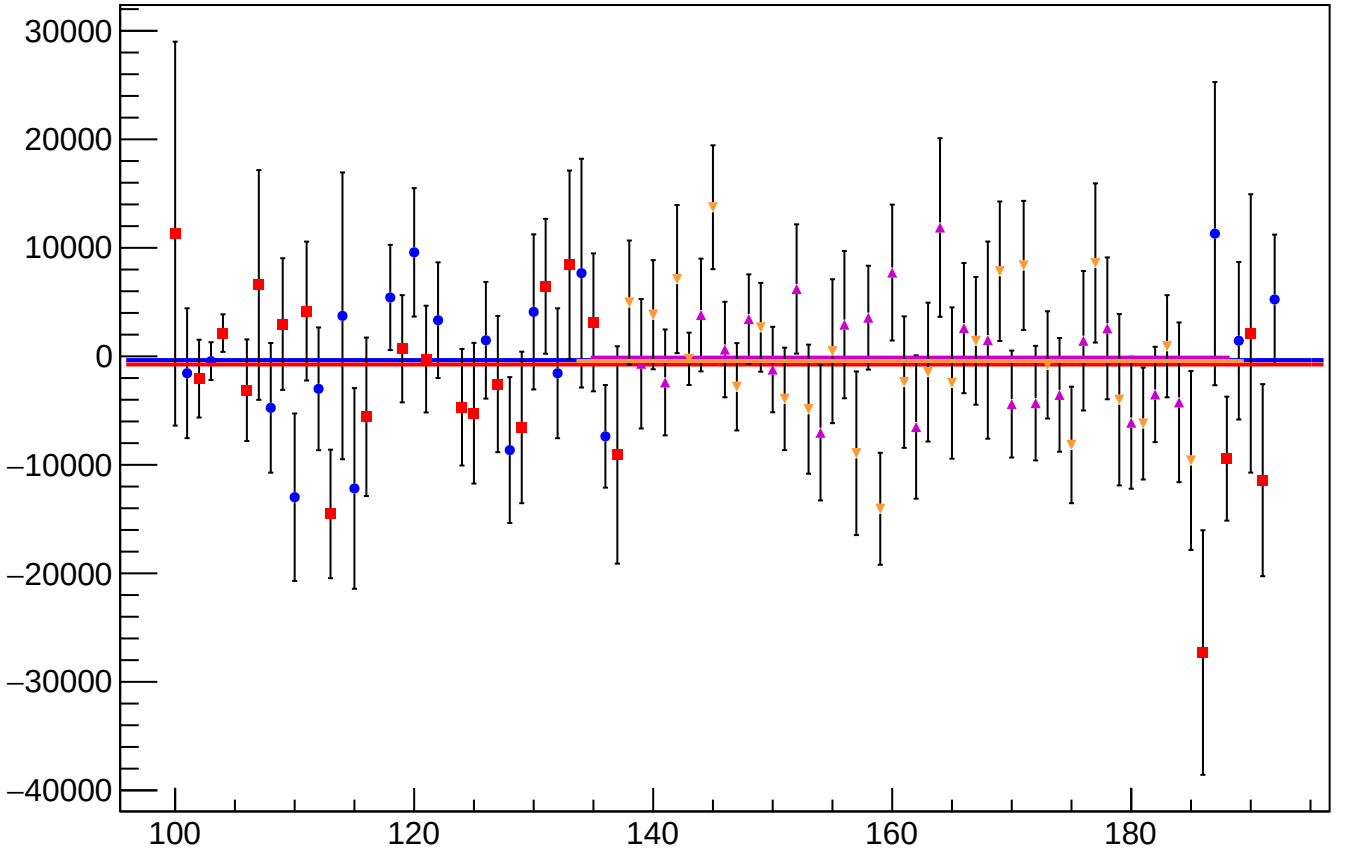
Right: 1314.381+/-0.222 χ^2/NDF: 1005899.6/41

In: 1284.813+/-0.175 χ^2/NDF:564472.0/41

Out: 1297.329+/-0.173 χ^2/NDF:688096.2/47

All: 1291.139+/-0.123 χ^2/NDF: 1255155.0/89

asym_atl_avg_atr_avg_avg_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: -751.982+/-1062.087 χ^2/NDF: 25.7/22

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

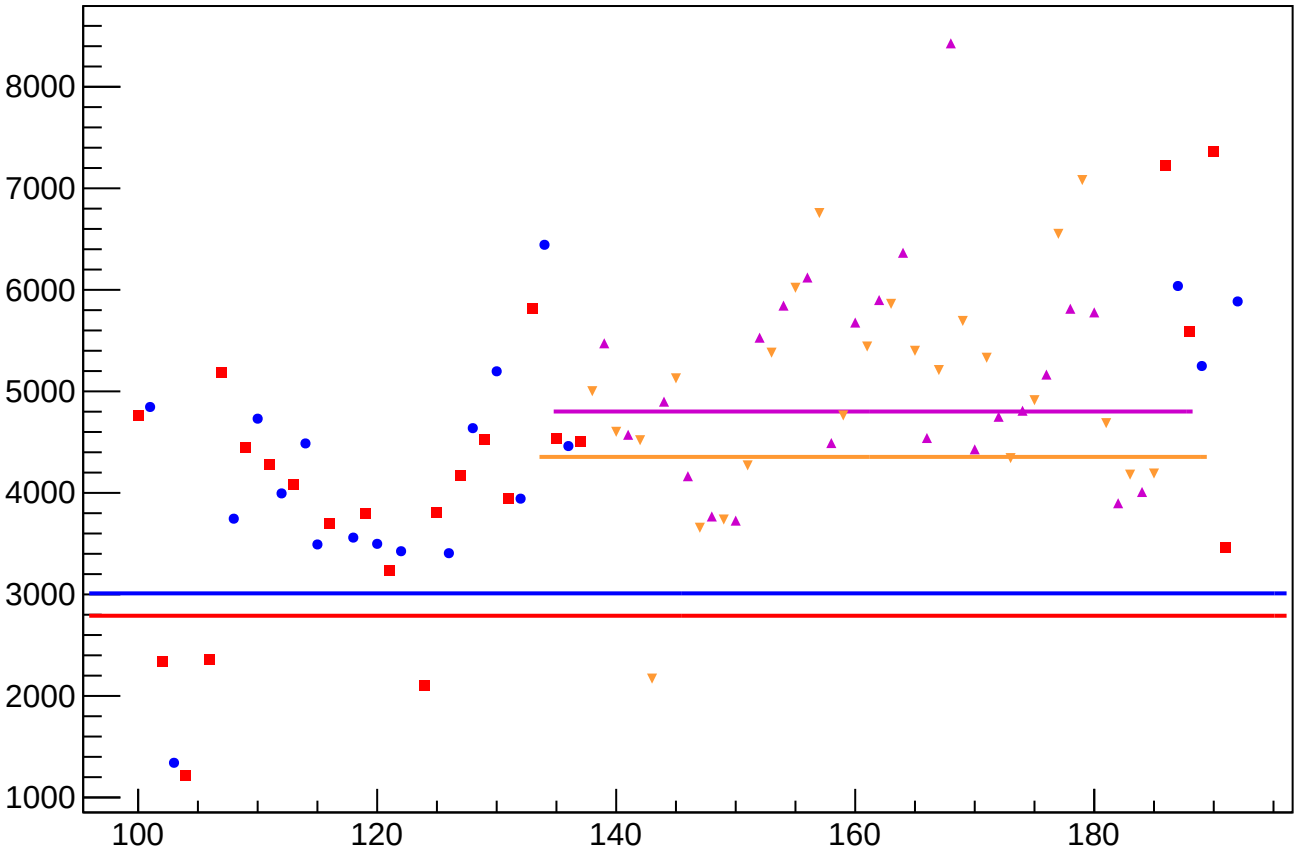
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -563.593+/-777.601 χ^2/NDF: 42.2/41

In: -232.931+/-808.325 χ^2/NDF:30.0/41

Out: -586.550+/-742.359 χ^2/NDF:55.6/47

All: -424.756+/-546.763 χ^2/NDF: 85.7/89



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: 2789.891+/-0.751 χ^2/NDF: 4195619.2/22

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

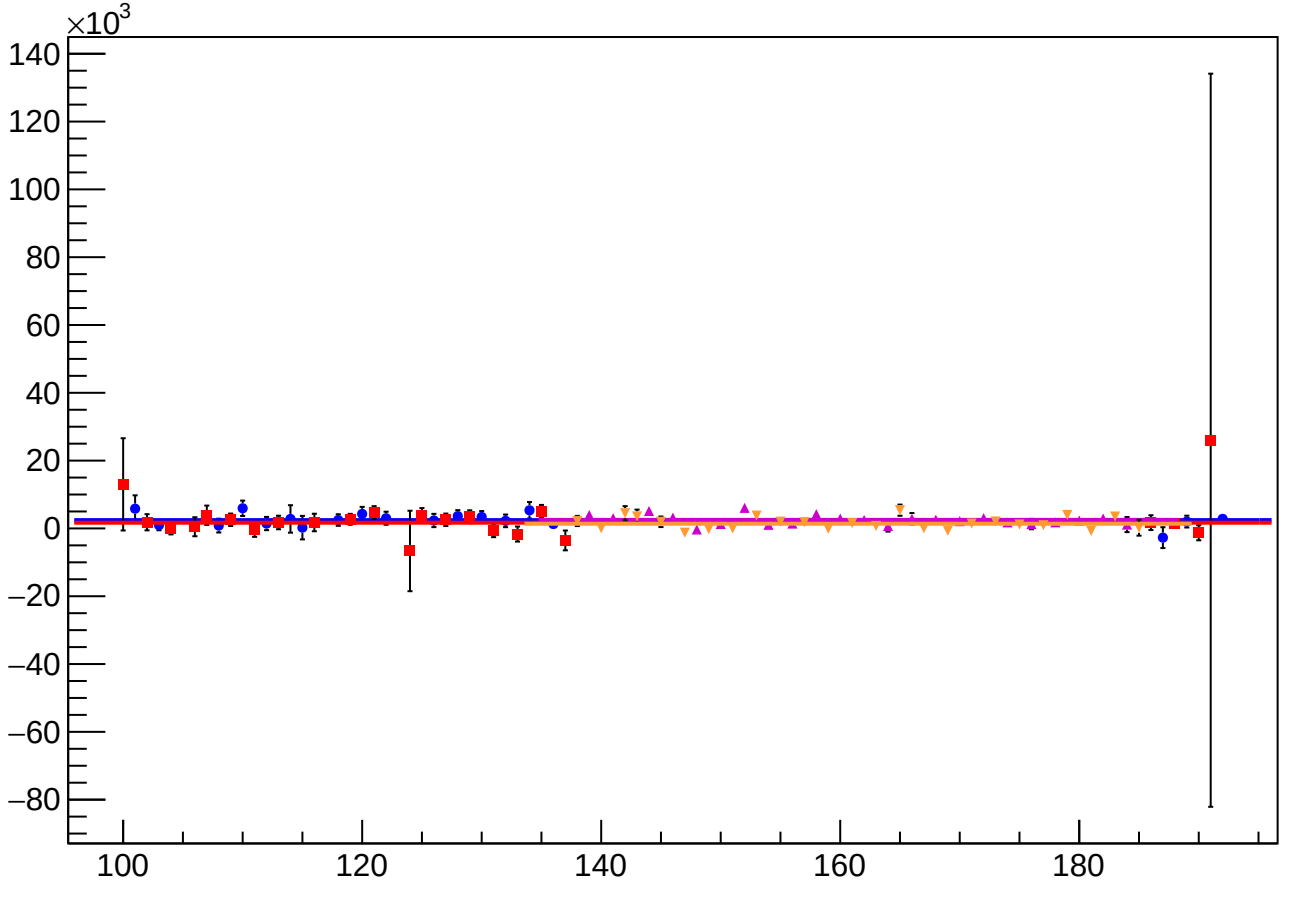
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 2892.185+/-0.550 χ^2/NDF: 8043701.0/41

In: 3903.546+/-0.572 χ^2/NDF:7495166.3/41

Out: 3590.117+/-0.525 χ^2/NDF:9487039.3/47

All: 3733.522+/-0.387 χ^2/NDF: 17145325.5/8



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: 1685.635+/-446.615 χ^2/NDF: 21.6/22

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

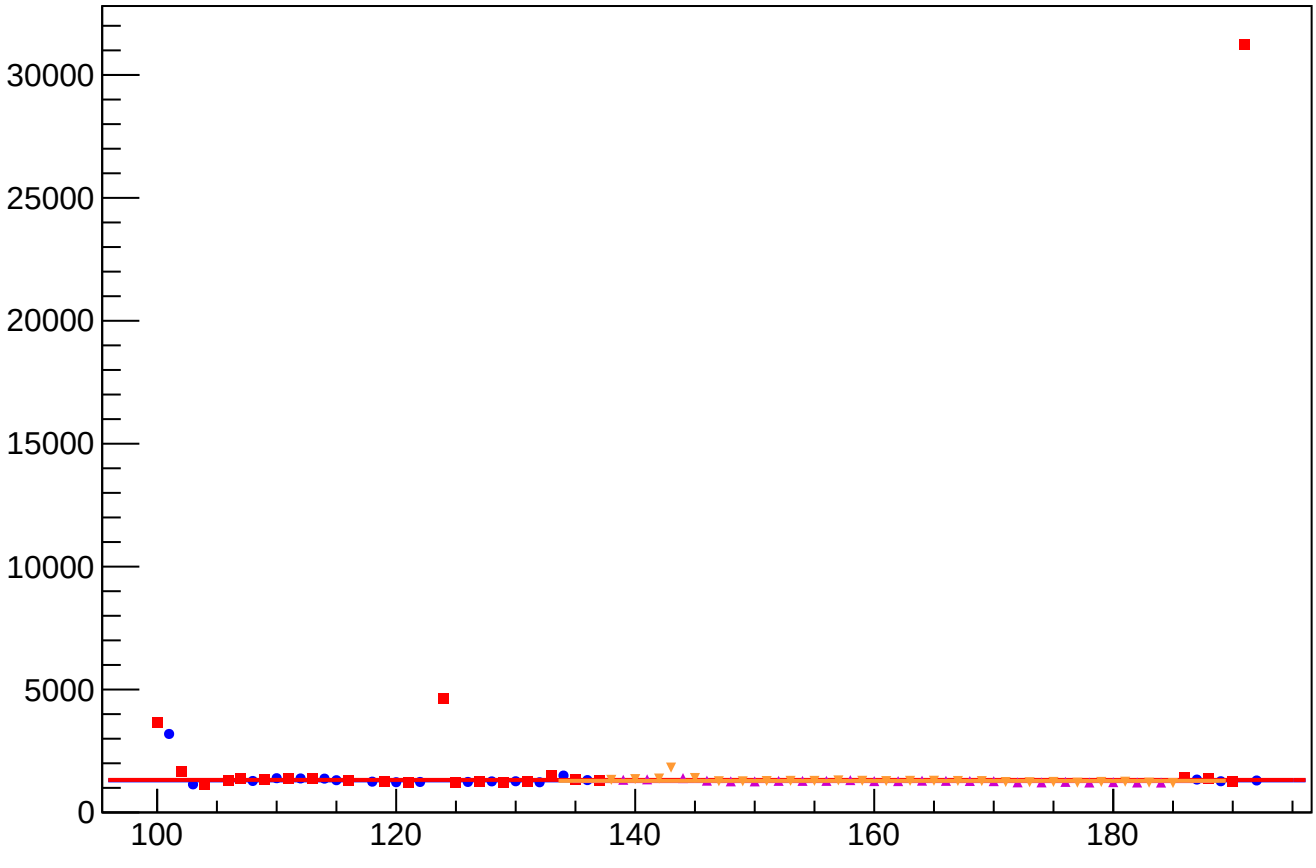
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2070.534+/-314.685 χ^2/NDF: 35.1/41

In: 2497.785+/-247.397 χ^2/NDF:34.5/41

Out: 1474.095+/-244.854 χ^2/NDF:54.8/47

All: 1980.652+/-174.030 χ^2/NDF: 98.0/89



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: 1324.423+/-0.315 χ^2/NDF: 486502.4/22

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

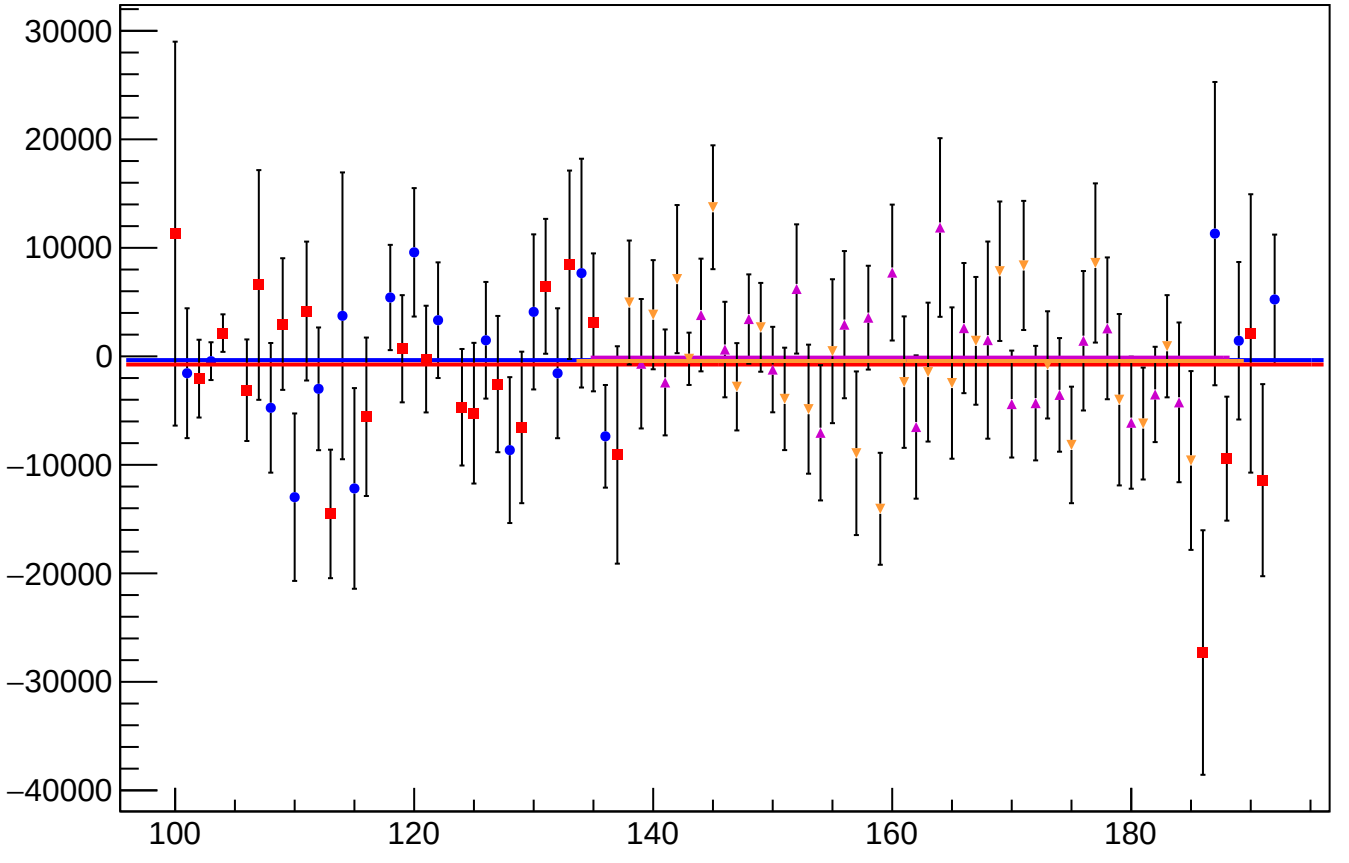
Right: 1314.381+/-0.222 χ^2/NDF: 1005899.6/41

In: 1284.813+/-0.175 χ^2/NDF:564472.0/41

Out: 1297.329+/-0.173 χ^2/NDF:688096.2/47

All: 1291.139+/-0.123 χ^2/NDF: 1255155.0/89

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: -751.982+/-1062.087 χ^2/NDF: 25.7/22

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

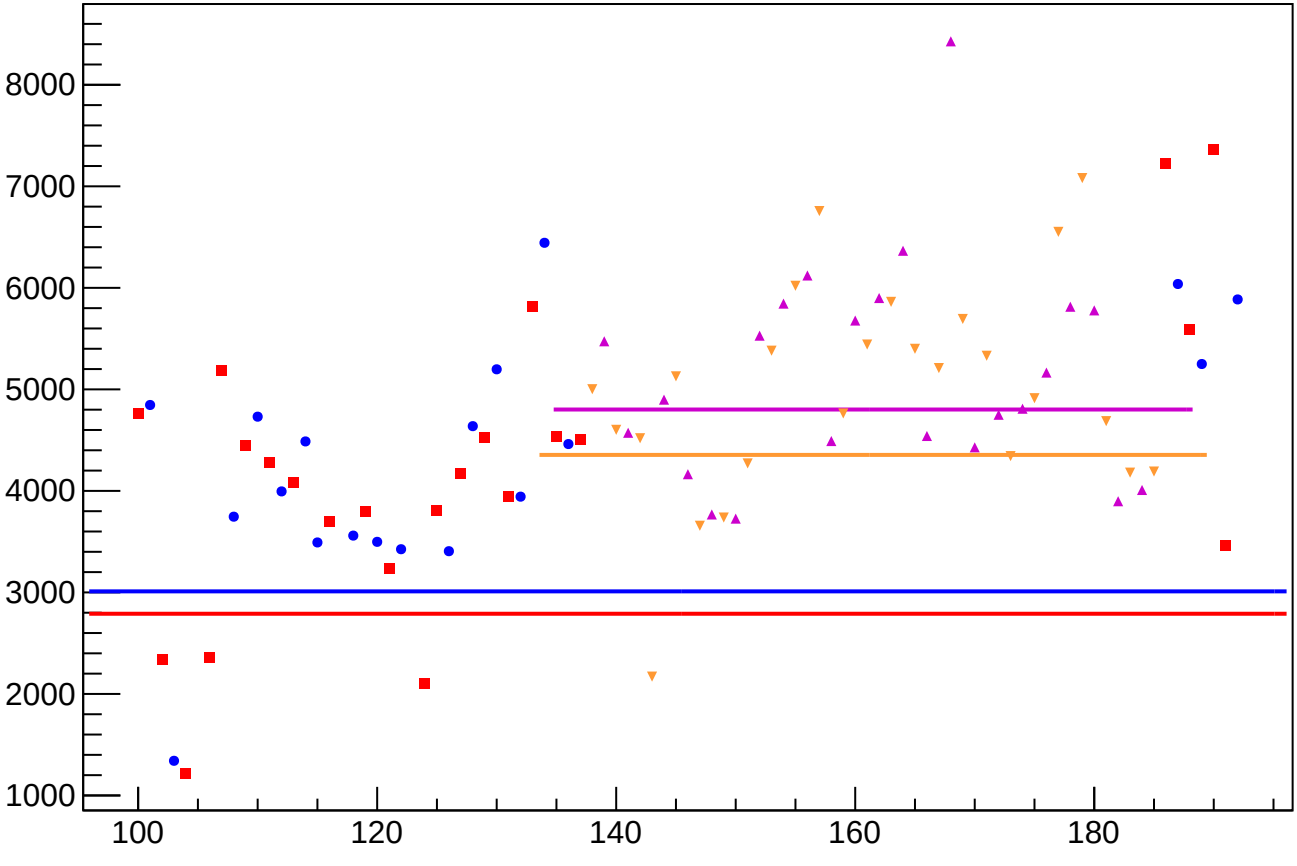
Right: -563.593+/-777.601 χ^2/NDF: 42.2/41

In: -232.931+/-808.325 χ^2/NDF:30.0/41

Out: -586.550+/-742.359 χ^2/NDF:55.6/47

All: -424.756+/-546.763 χ^2/NDF: 85.7/89

asym_atl_avg_atr_avg_avg_eigen_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: 2789.891+/-0.751 χ^2/NDF: 4195619.2/22

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

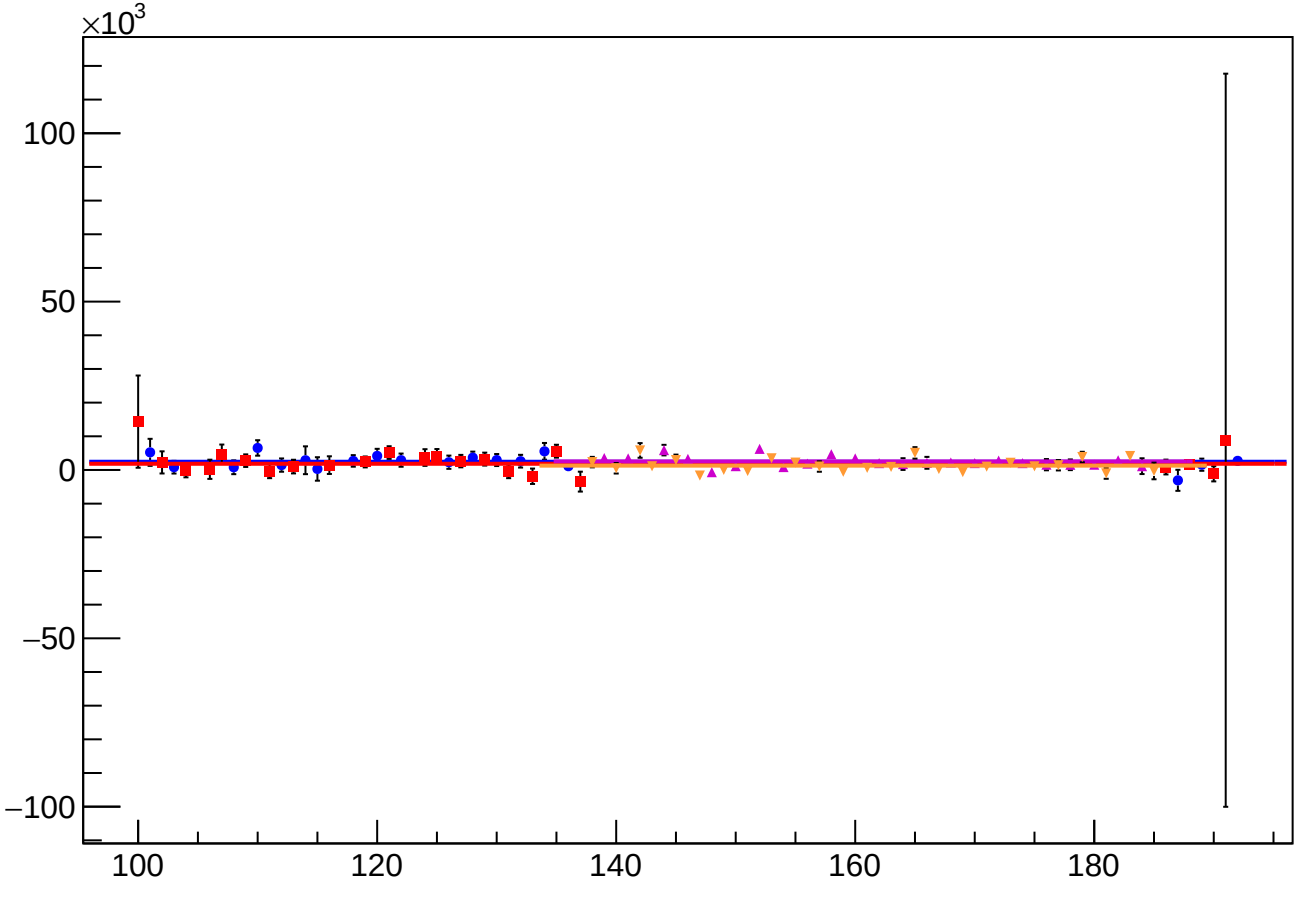
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 2892.185+/-0.550 χ^2/NDF: 8043701.0/41

In: 3903.546+/-0.572 χ^2/NDF:7495166.3/41

Out: 3590.117+/-0.525 χ^2/NDF:9487039.3/47

All: 3733.522+/-0.387 χ^2/NDF: 17145325.5/8



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: 1838.965+/-454.720 χ^2/NDF: 23.2/22

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

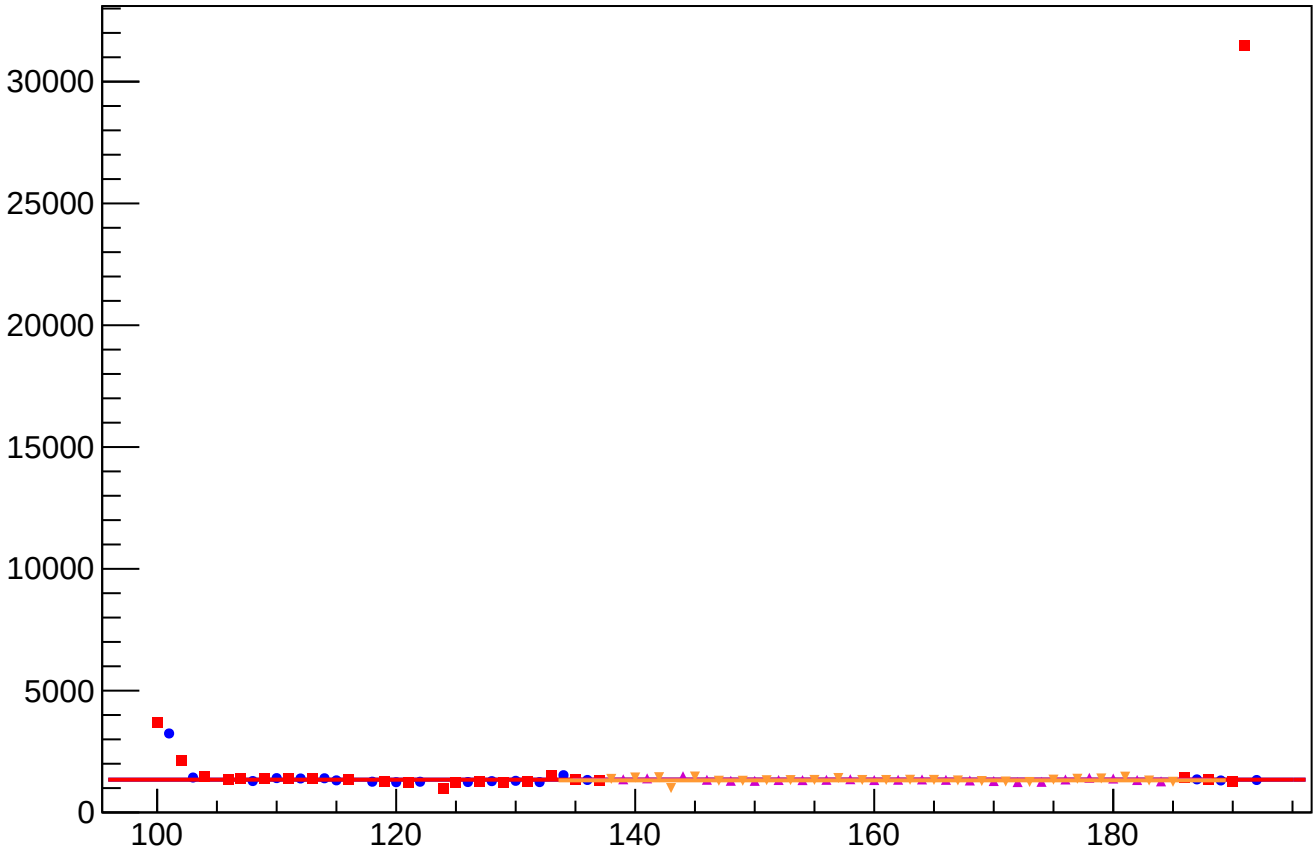
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2138.098+/-322.491 χ^2/NDF: 36.9/41

In: 2502.793+/-258.253 χ^2/NDF:37.9/41

Out: 1453.008+/-250.720 χ^2/NDF:57.6/47

All: 1962.367+/-179.890 χ^2/NDF: 104.0/89



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: 1345.519+/-0.321 χ^2/NDF: 432028.0/22

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

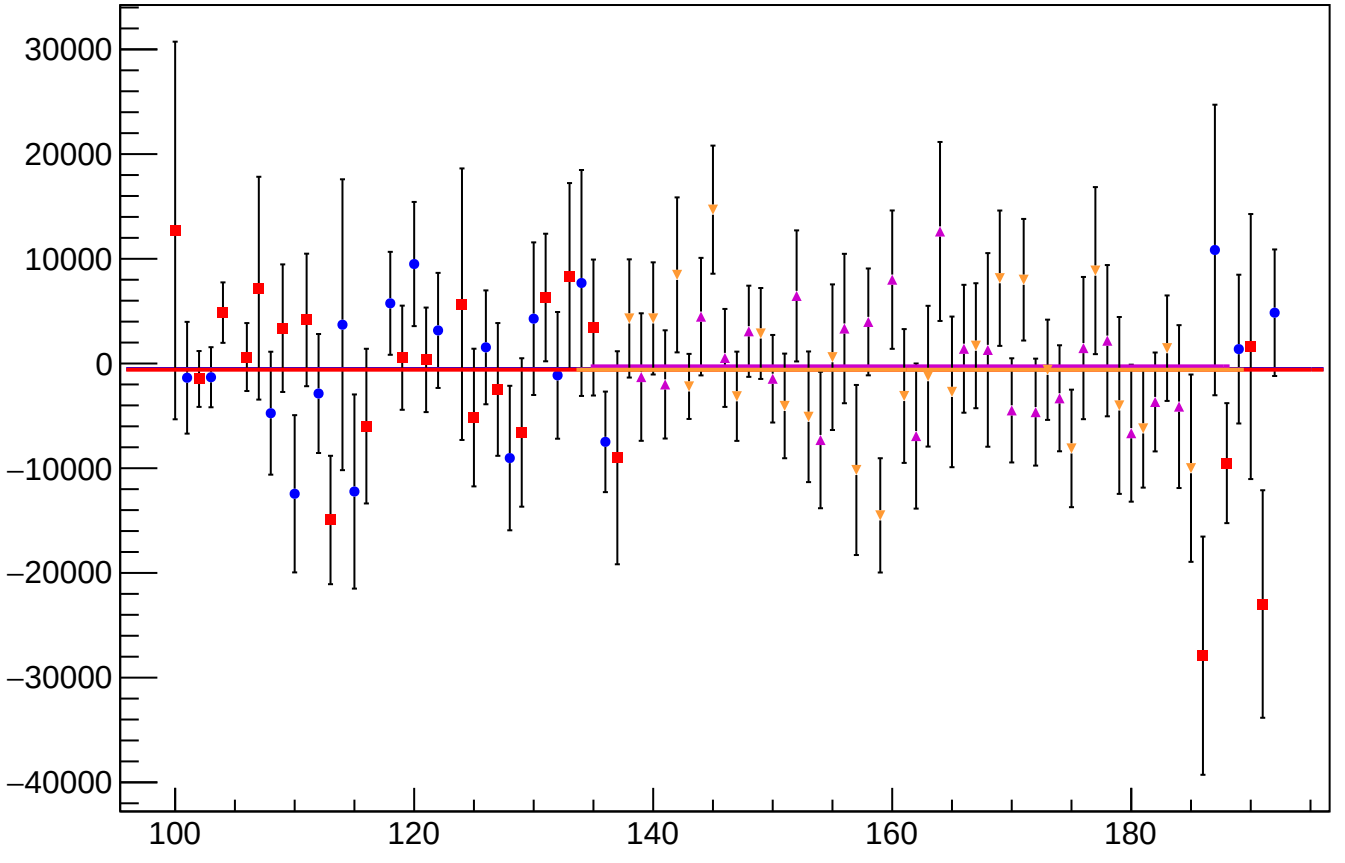
Right: 1345.758+/-0.228 χ^2/NDF: 927132.0/41

In: 1340.960+/-0.183 χ^2/NDF:549707.7/41

Out: 1326.493+/-0.177 χ^2/NDF:685612.9/47

All: 1333.512+/-0.127 χ^2/NDF: 1238552.1/89

asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



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: -588.108+/-1158.987 χ^2/NDF: 29.3/22

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

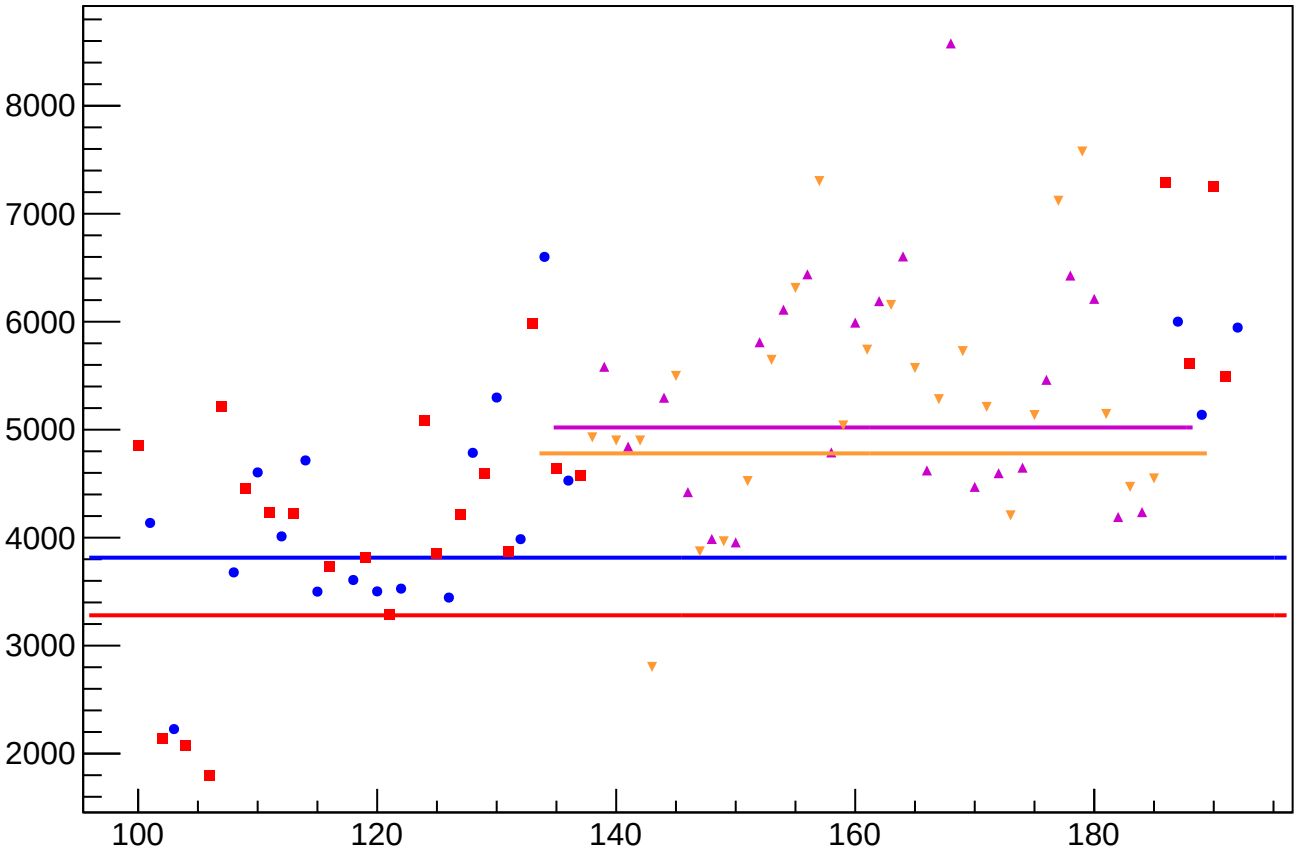
Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

Right: -561.268+/-875.771 χ^2/NDF: 45.6/41

In: -385.289+/-891.750 χ^2/NDF:29.7/41

Out: -591.621+/-806.239 χ^2/NDF:58.8/47

All: -498.820+/-598.049 χ^2/NDF: 88.5/89



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: 3280.865+/-0.820 χ^2/NDF: 2759094.6/22

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

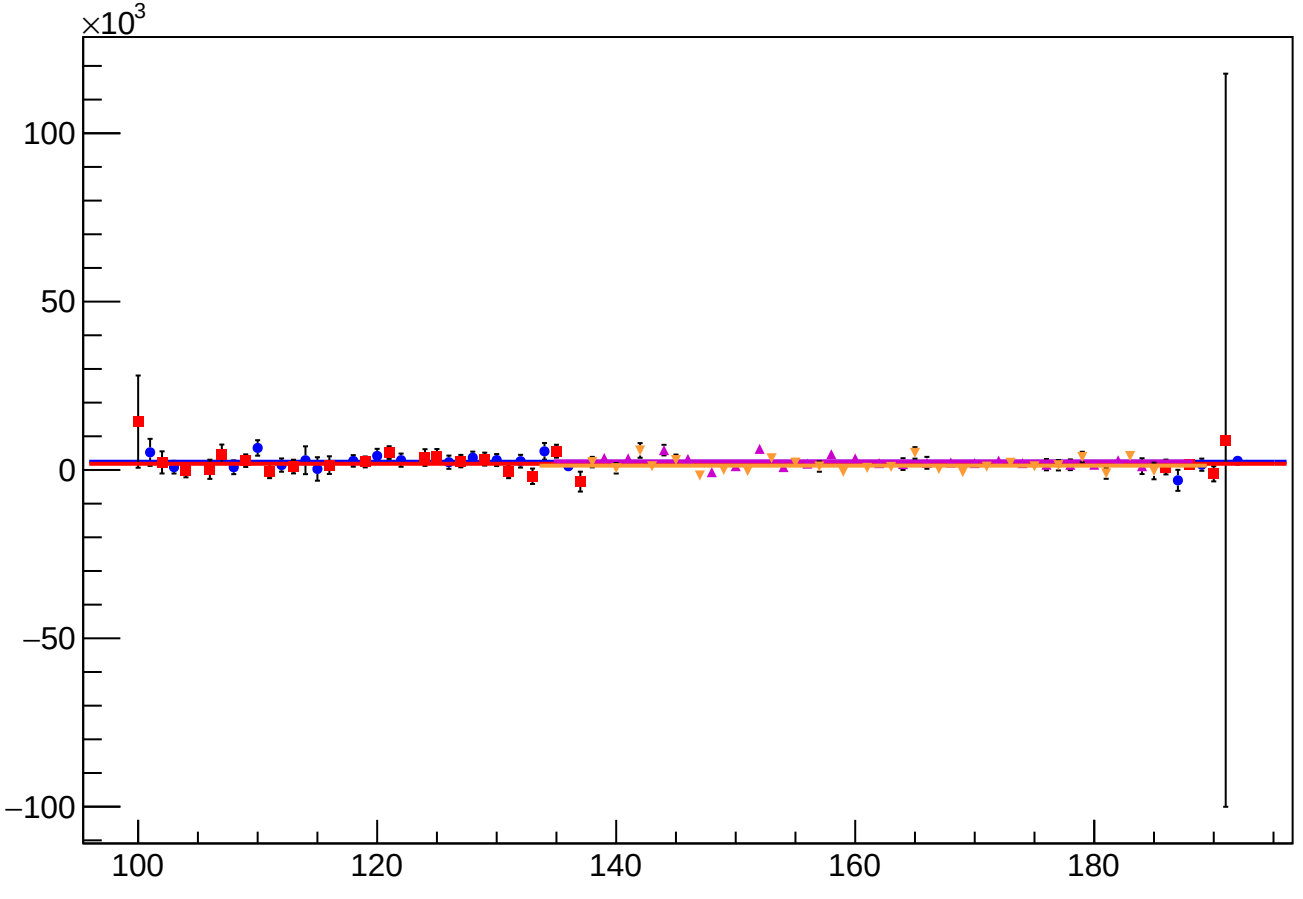
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 3509.894+/-0.619 χ^2/NDF: 4290031.1/41

In: 4484.184+/-0.631 χ^2/NDF:3477101.6/41

Out: 4054.748+/-0.570 χ^2/NDF:6493181.8/47

All: 4247.894+/-0.423 χ^2/NDF: 10225487.4/8



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: 1838.966+/-454.720 χ^2/NDF: 23.2/22

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

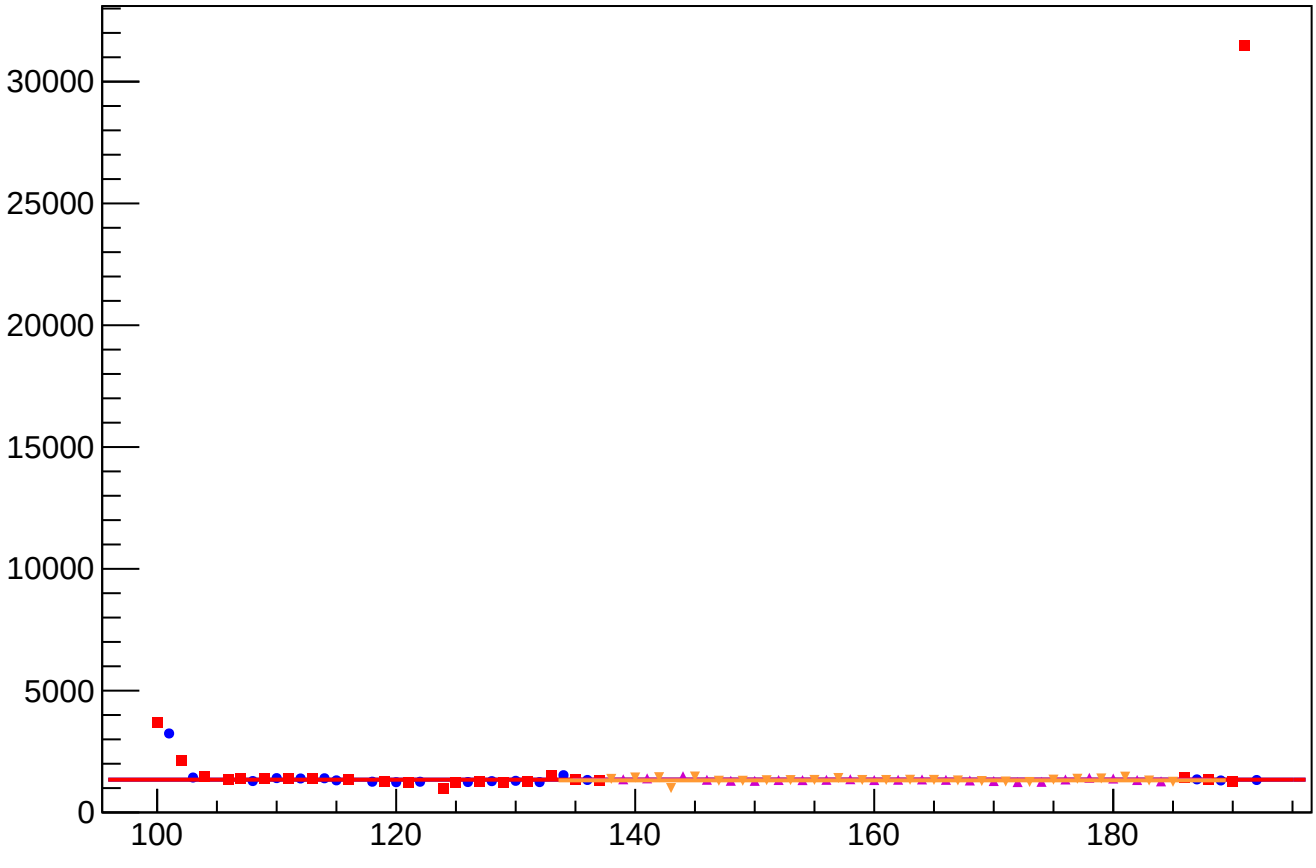
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2138.100+/-322.491 χ^2/NDF: 36.9/41

In: 2502.794+/-258.253 χ^2/NDF:37.9/41

Out: 1453.006+/-250.720 χ^2/NDF:57.6/47

All: 1962.366+/-179.890 χ^2/NDF: 104.0/89



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: 1345.518+/-0.321 χ^2/NDF: 432027.0/22

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

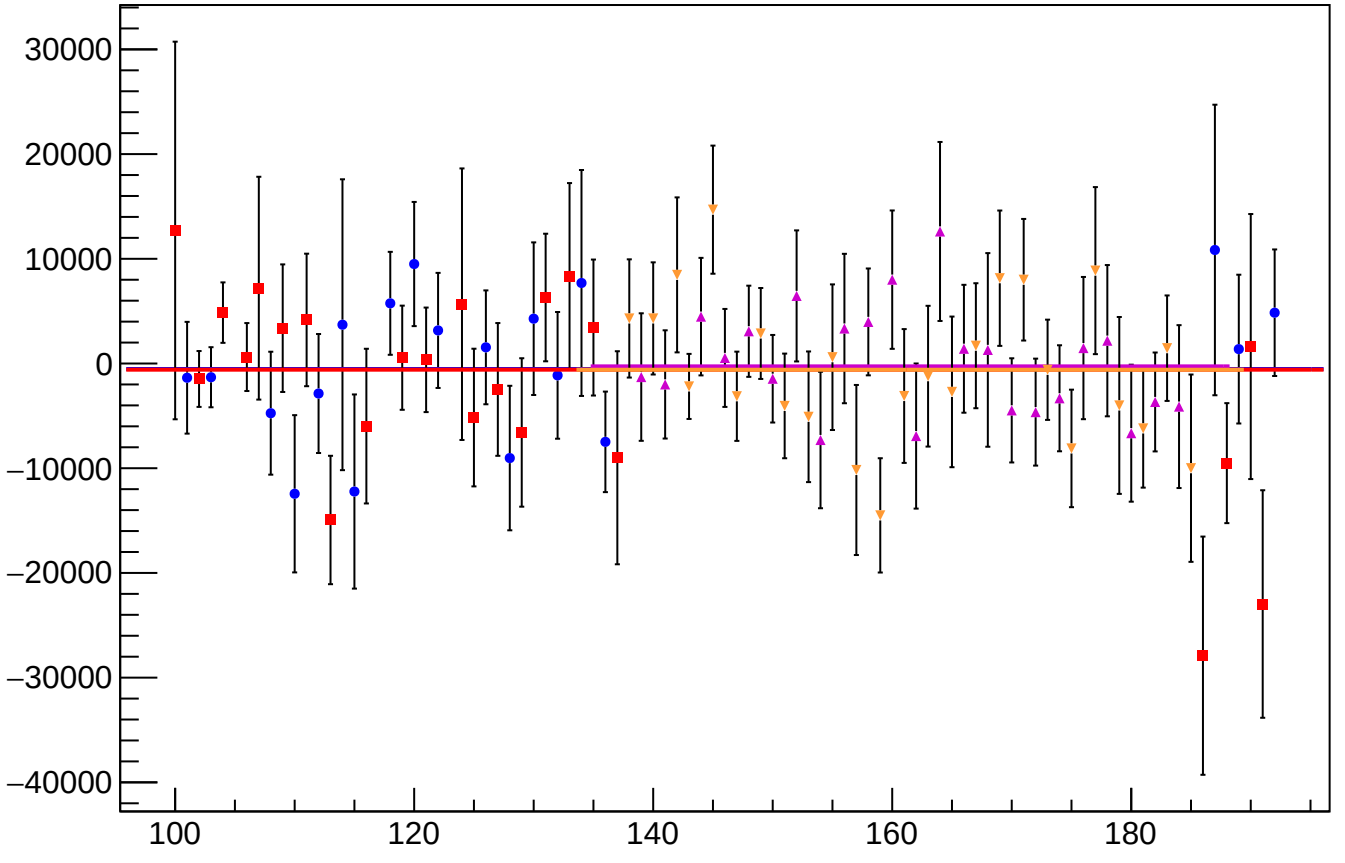
Right: 1345.757+/-0.228 χ^2/NDF: 927131.1/41

In: 1340.961+/-0.183 χ^2/NDF:549710.2/41

Out: 1326.494+/-0.177 χ^2/NDF:685613.8/47

All: 1333.512+/-0.127 χ^2/NDF: 1238555.5/89

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -588.101+/-1158.984 χ^2/NDF: 29.3/22

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

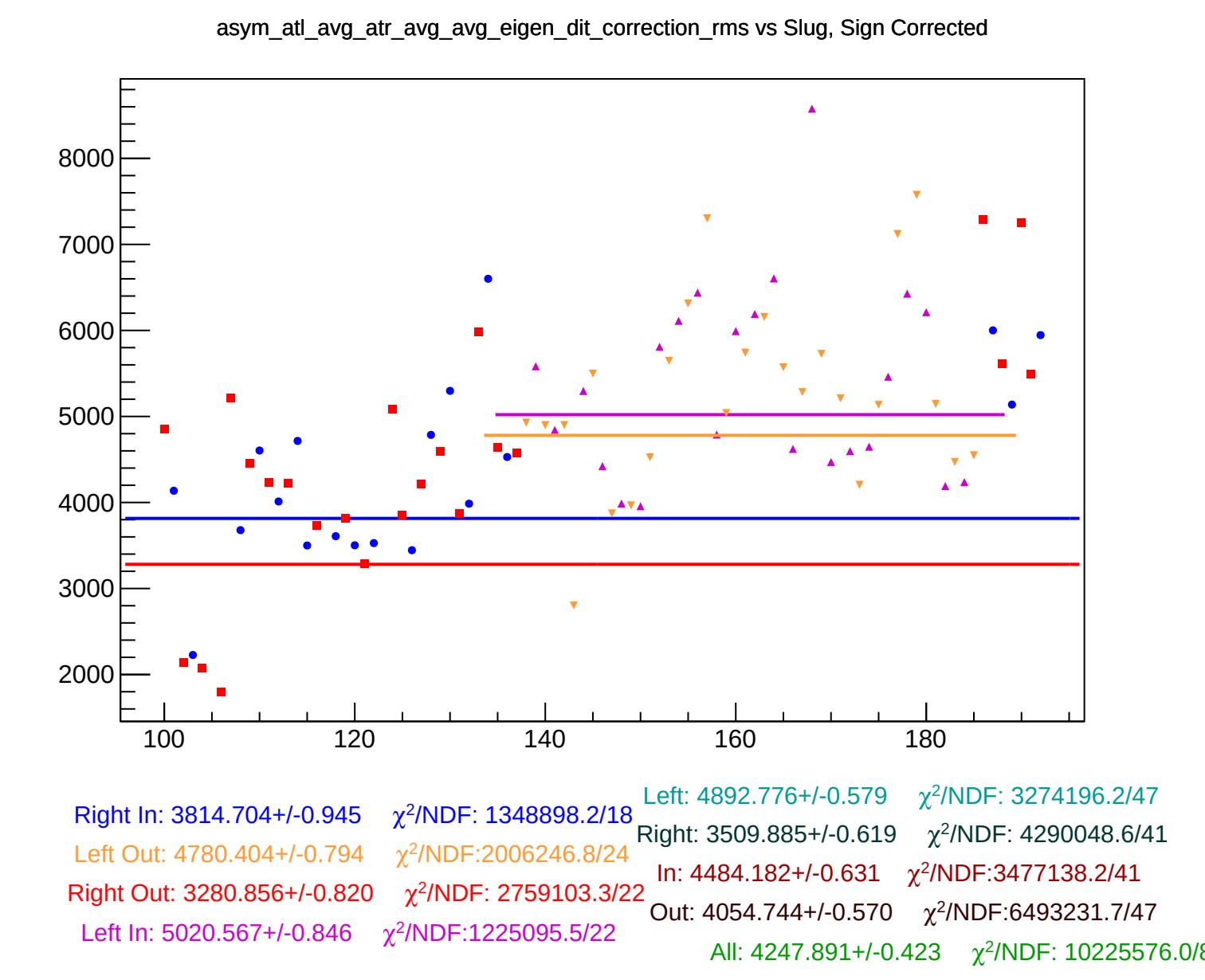
Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

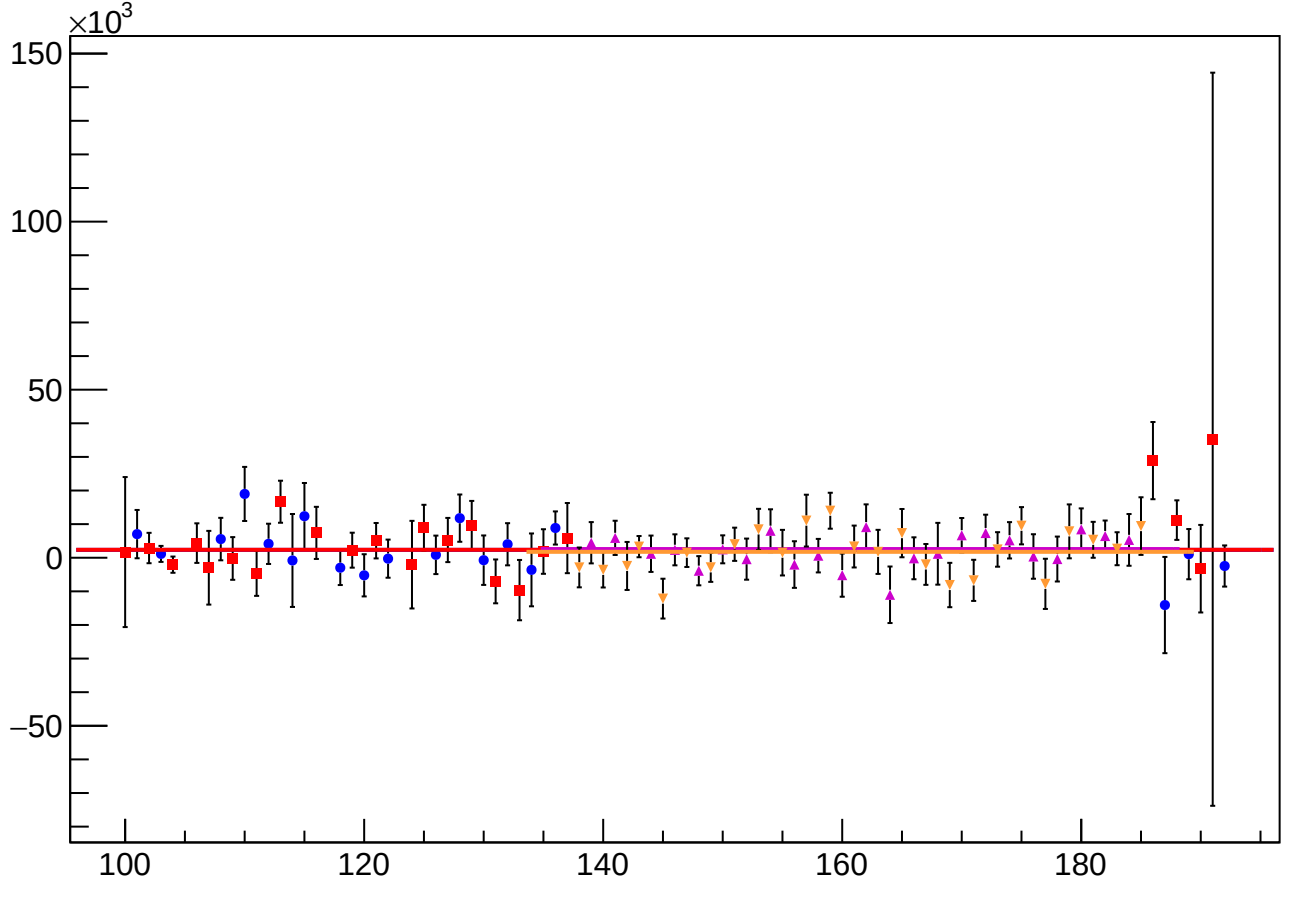
Right: -561.262+/-875.769 χ^2/NDF: 45.6/41

In: -385.288+/-891.750 χ^2/NDF:29.7/41

Out: -591.620+/-806.239 χ^2/NDF:58.8/47

All: -498.818+/-598.049 χ^2/NDF: 88.5/89


asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
Right In: 3814.704+/-0.945 χ²/NDF: 1348898.2/18
Left Out: 4780.404+/-0.794 χ²/NDF:2006246.8/24
Right Out: 3280.856+/-0.820 χ²/NDF: 2759103.3/22
Left In: 5020.567+/-0.846 χ²/NDF:1225095.5/22
Left: 4892.776+/-0.579 χ²/NDF: 3274196.2/47
Right: 3509.885+/-0.619 χ²/NDF: 4290048.6/41
In: 4484.182+/-0.631 χ²/NDF:3477138.2/41
Out: 4054.744+/-0.570 χ²/NDF:6493231.7/47
All: 4247.891+/-0.423 χ²/NDF: 10225576.0/8



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: 2364.188+/-1288.996 χ^2/NDF: 25.0/22

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

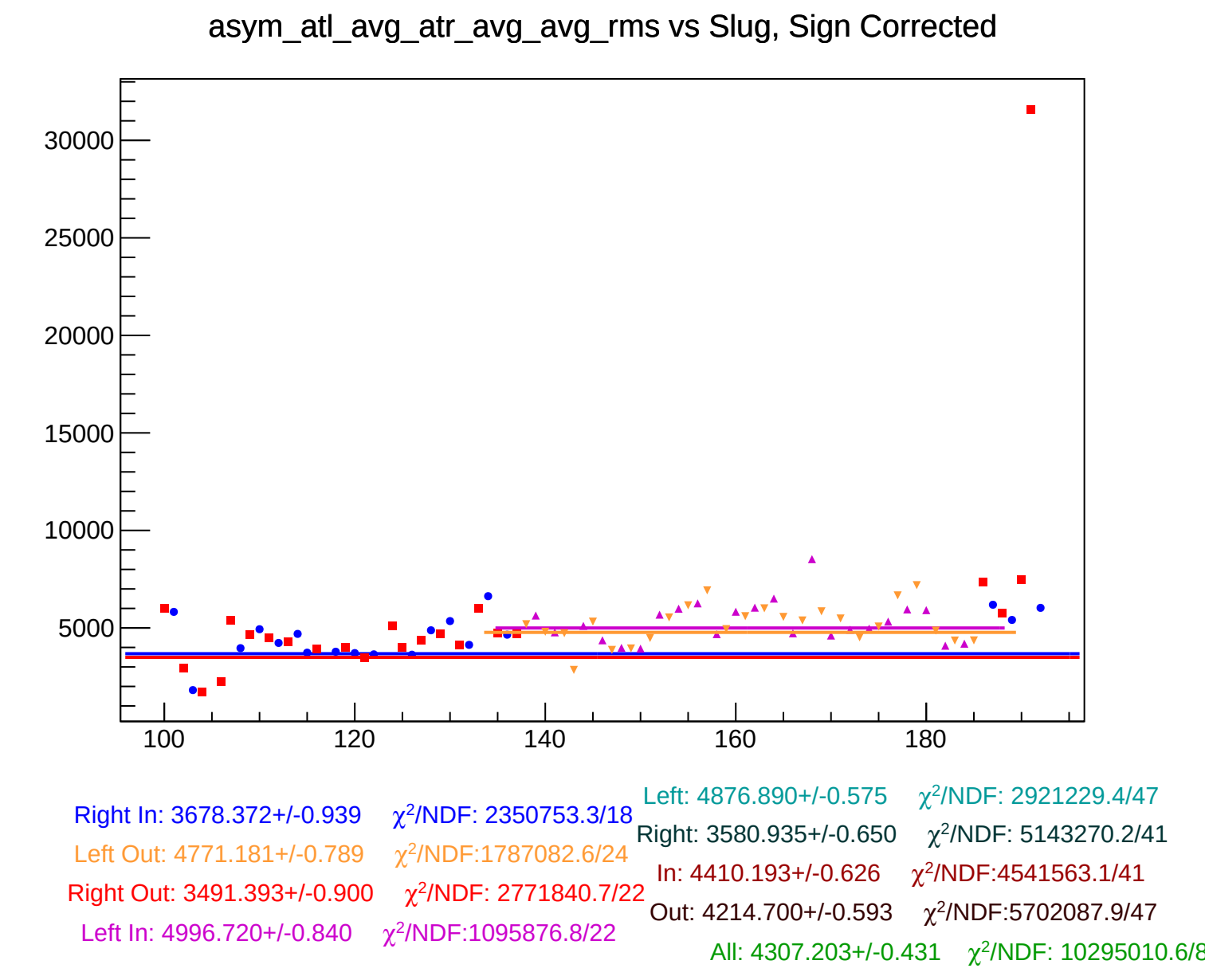
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

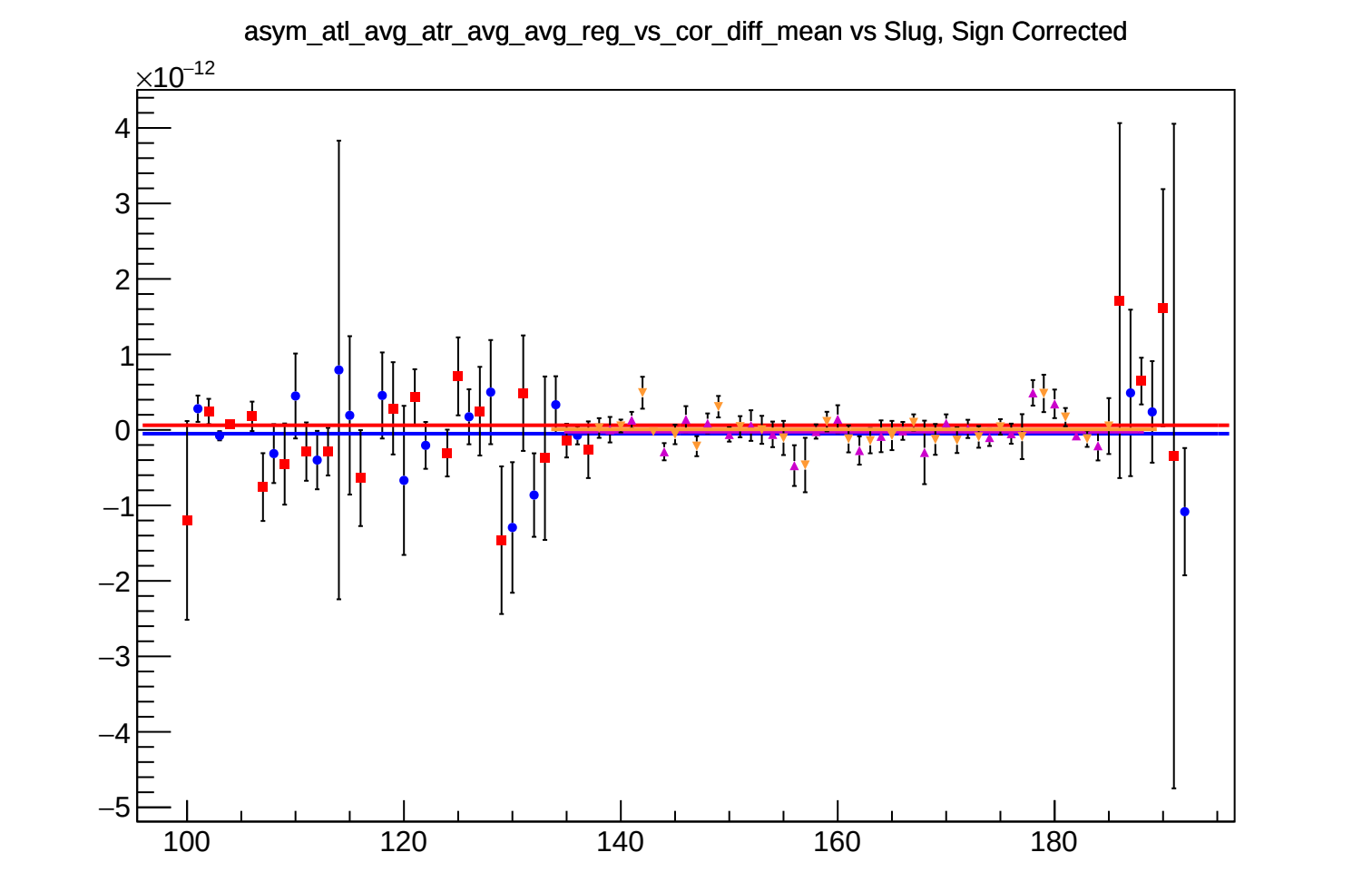
Right: 2350.377+/-924.778 χ^2/NDF: 40.2/41

In: 2471.303+/-885.460 χ^2/NDF:28.5/41

Out: 2019.881+/-843.815 χ^2/NDF:52.8/47

All: 2234.727+/-610.859 χ^2/NDF: 81.4/89


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: 3491.393+/-0.900 χ²/NDF: 2771840.7/22
Left In: 4996.720+/-0.840 χ²/NDF:1095876.8/22
Left: 4876.890+/-0.575 χ²/NDF: 2921229.4/47
Right: 3580.935+/-0.650 χ²/NDF: 5143270.2/41
In: 4410.193+/-0.626 χ²/NDF:4541563.1/41
Out: 4214.700+/-0.593 χ²/NDF:5702087.9/47
All: 4307.203+/-0.431 χ²/NDF: 10295010.6/8



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: 23.7/22

Left In: -0.000+/-0.000 χ^2/NDF:31.7/22

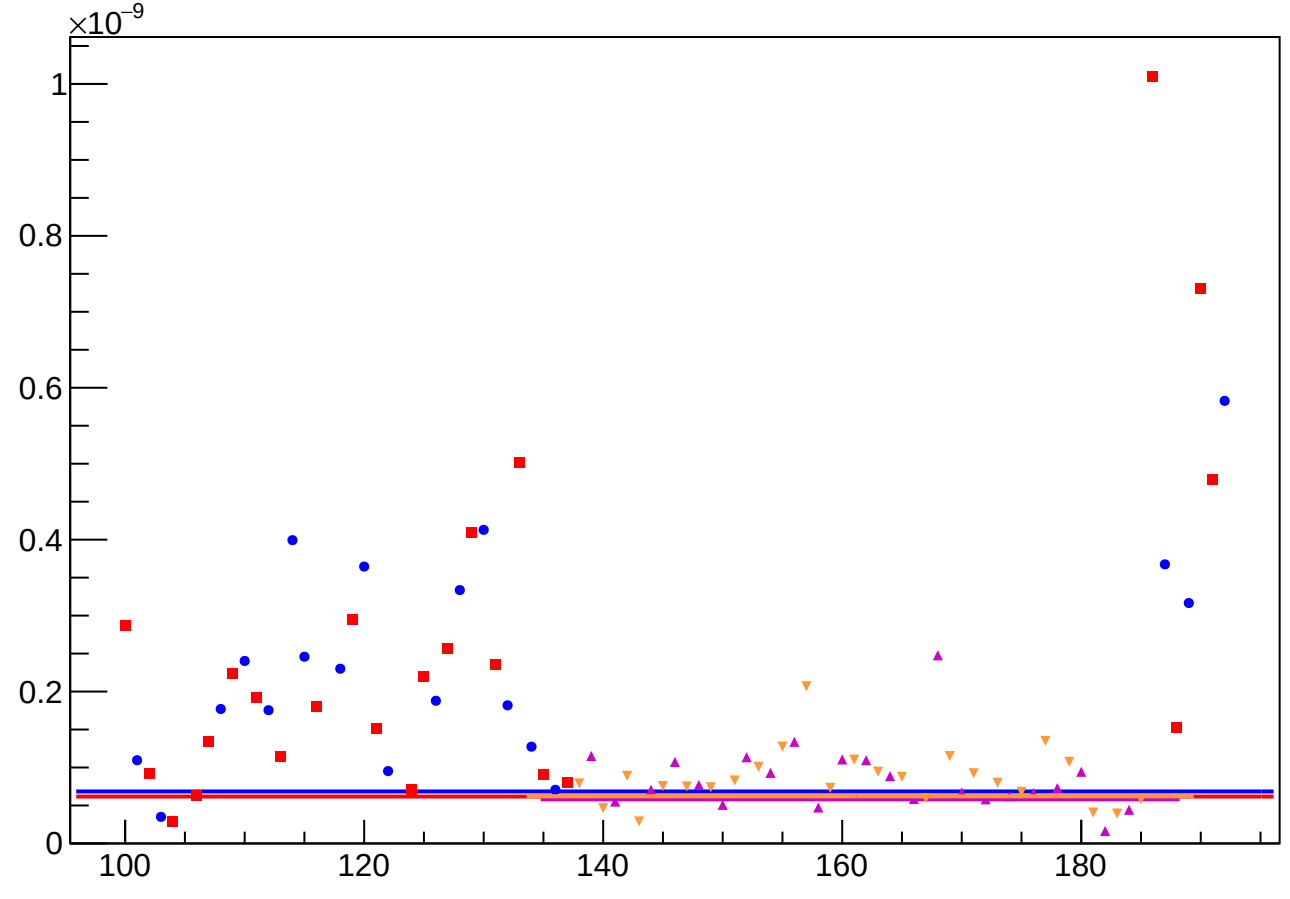
Left: -0.000+/-0.000 χ^2/NDF: 59.5/47

Right: 0.000+/-0.000 χ^2/NDF: 42.1/41

In: -0.000+/-0.000 χ^2/NDF:47.6/41

Out: 0.000+/-0.000 χ^2/NDF:51.8/47

All: -0.000+/-0.000 χ^2/NDF: 101.8/89



Right In: 0.000+/-0.000 χ^2/NDF: 3767186.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3744423.9/22

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

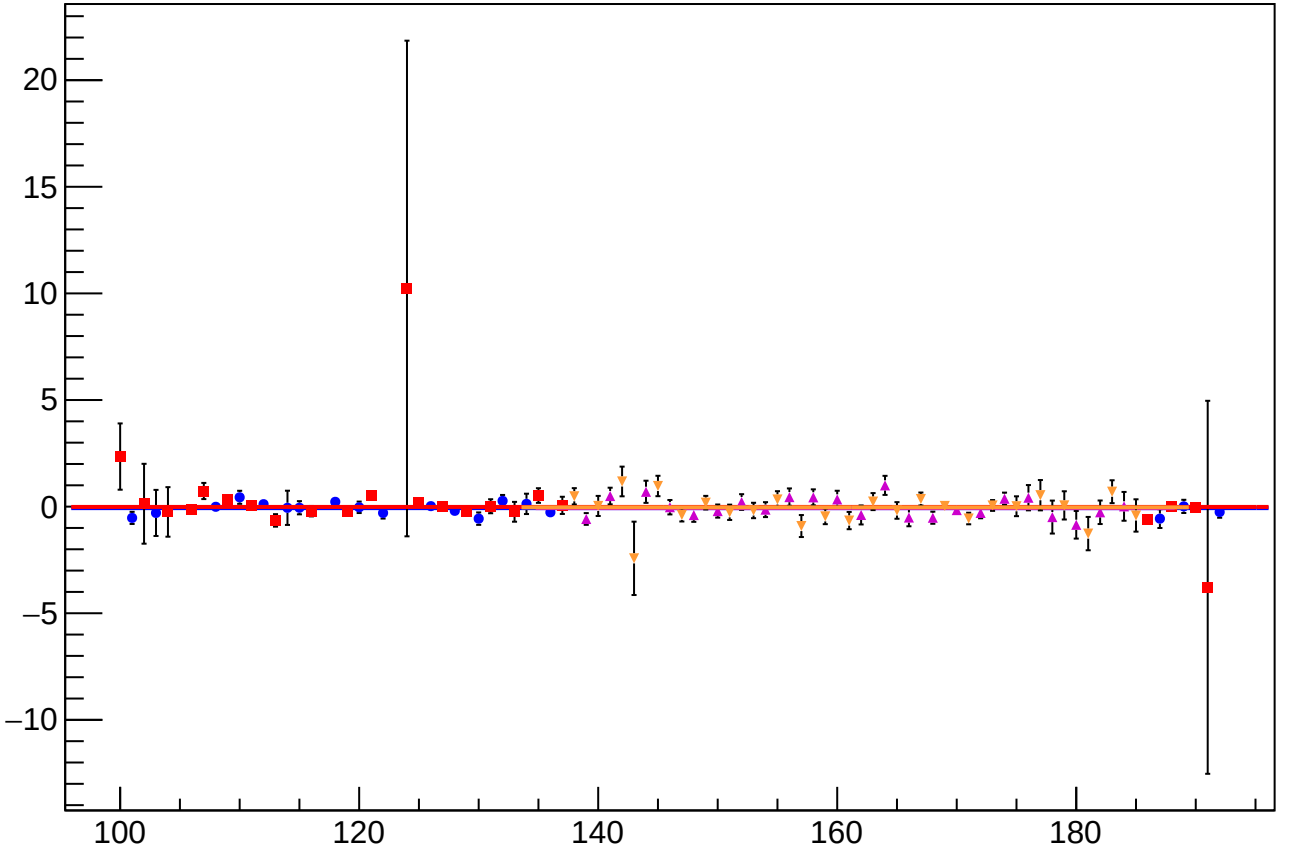
Right: 0.000+/-0.000 χ^2/NDF: 7531324.2/41

In: 0.000+/-0.000 χ^2/NDF:6804819.7/41

Out: 0.000+/-0.000 χ^2/NDF:6187852.1/47

All: 0.000+/-0.000 χ^2/NDF: 12996968.2/89

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: -0.014+/-0.052 χ^2/NDF: 35.3/22

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

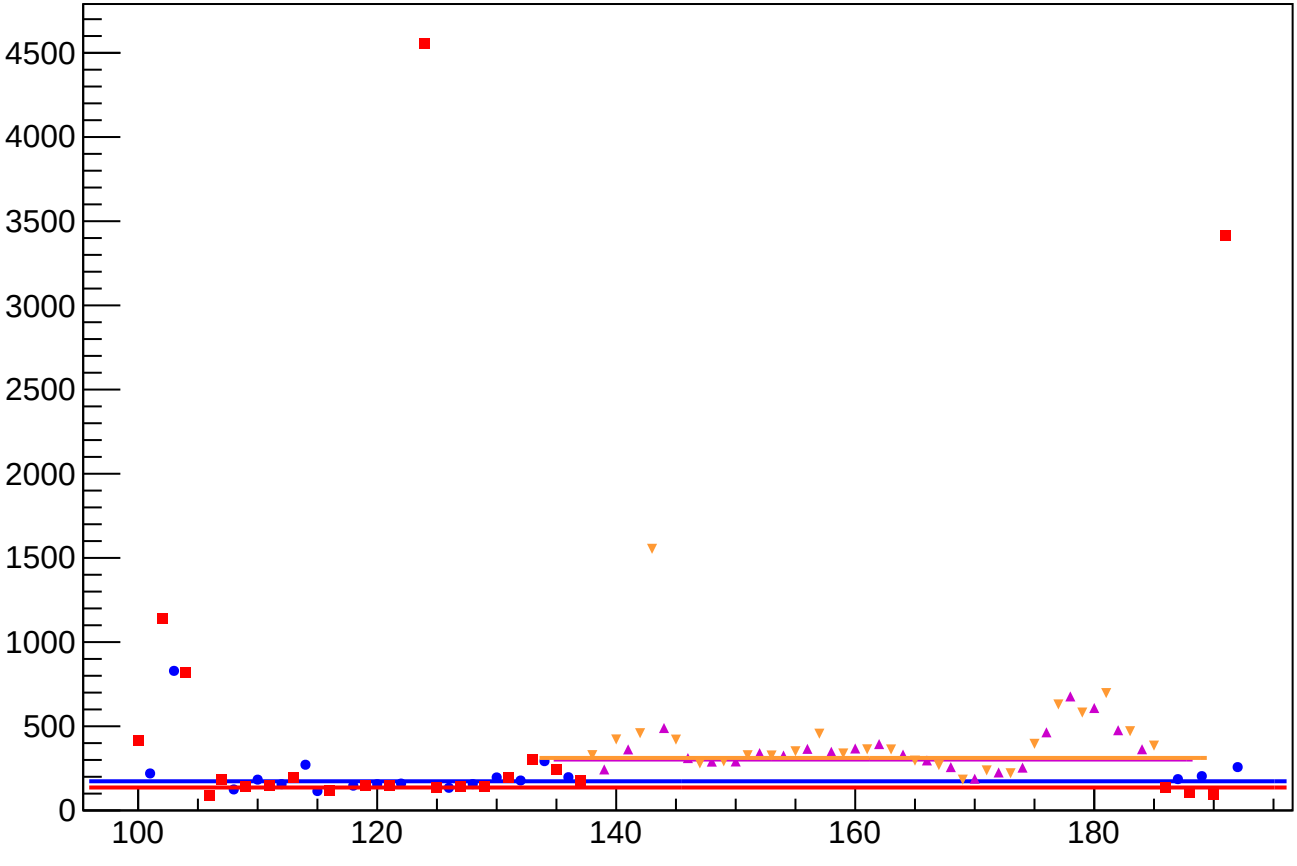
Right: -0.037+/-0.040 χ^2/NDF: 52.6/41

In: -0.070+/-0.048 χ^2/NDF:46.7/41

Out: -0.021+/-0.043 χ^2/NDF:67.9/47

All: -0.042+/-0.032 χ^2/NDF: 115.2/89

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: 136.357+/-0.037 χ^2/NDF: 2982602.4/22

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

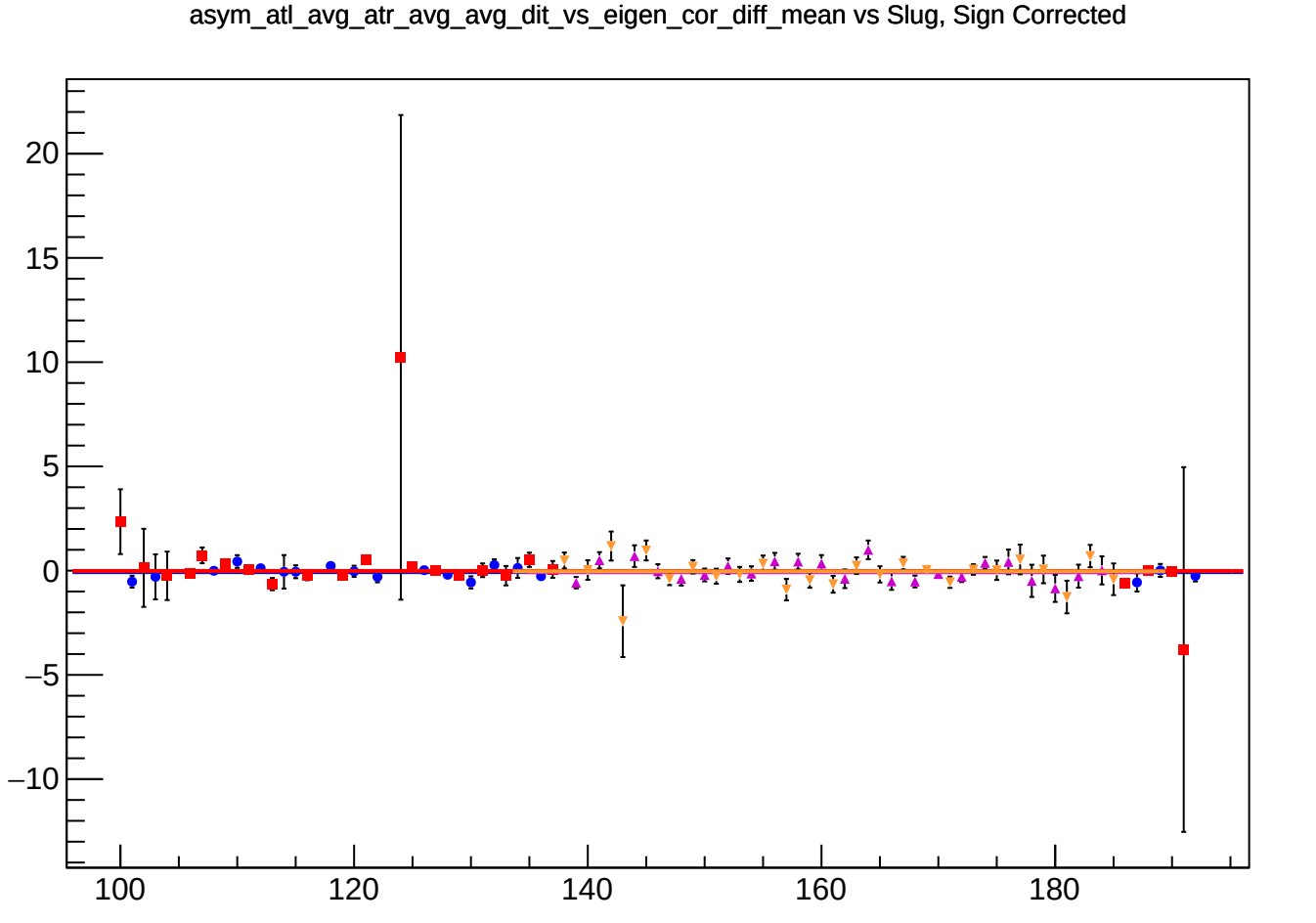
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 151.344+/-0.028 χ^2/NDF: 4919084.1/41

In: 226.518+/-0.034 χ^2/NDF:7823178.3/41

Out: 191.395+/-0.030 χ^2/NDF:14535410.0/47

All: 206.971+/-0.023 χ^2/NDF: 22952371.6/89



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: -0.014+/-0.052 χ^2/NDF: 35.3/22

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

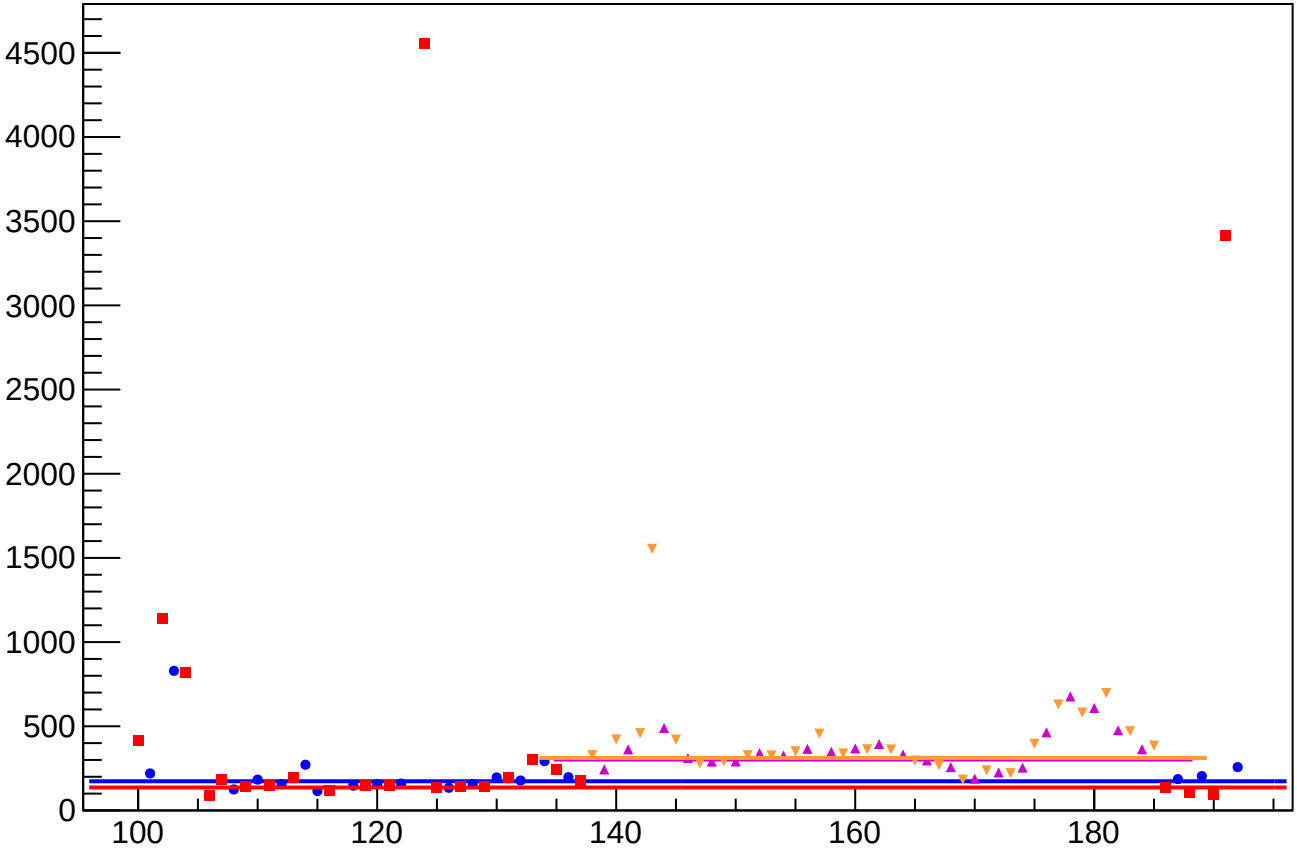
Right: -0.037+/-0.040 χ^2/NDF: 52.6/41

In: -0.070+/-0.048 χ^2/NDF:46.7/41

Out: -0.021+/-0.043 χ^2/NDF:67.9/47

All: -0.042+/-0.032 χ^2/NDF: 115.2/89

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: 136.357+/-0.037 χ^2/NDF: 2982602.4/22

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

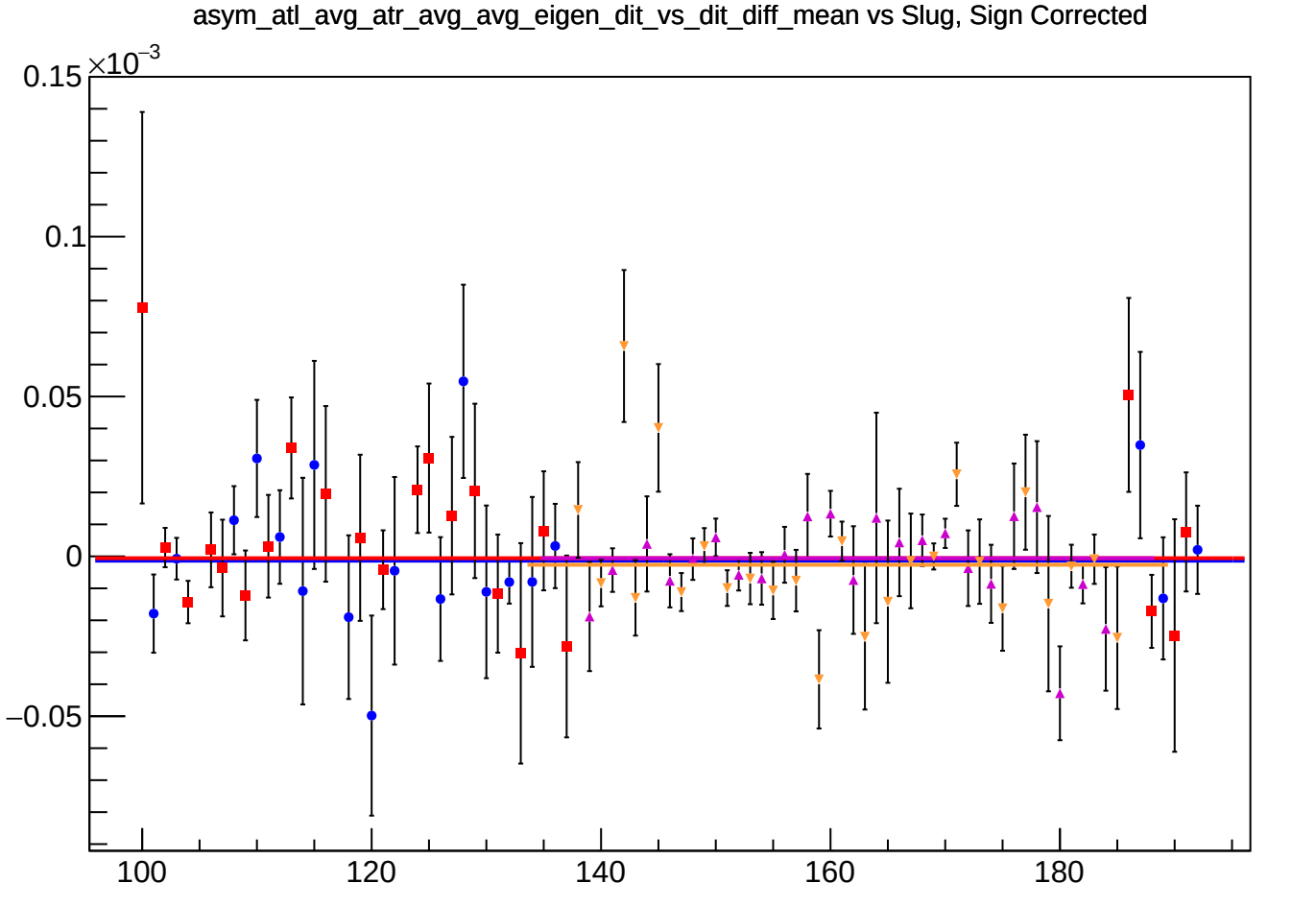
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 151.344+/-0.028 χ^2/NDF: 4919084.1/41

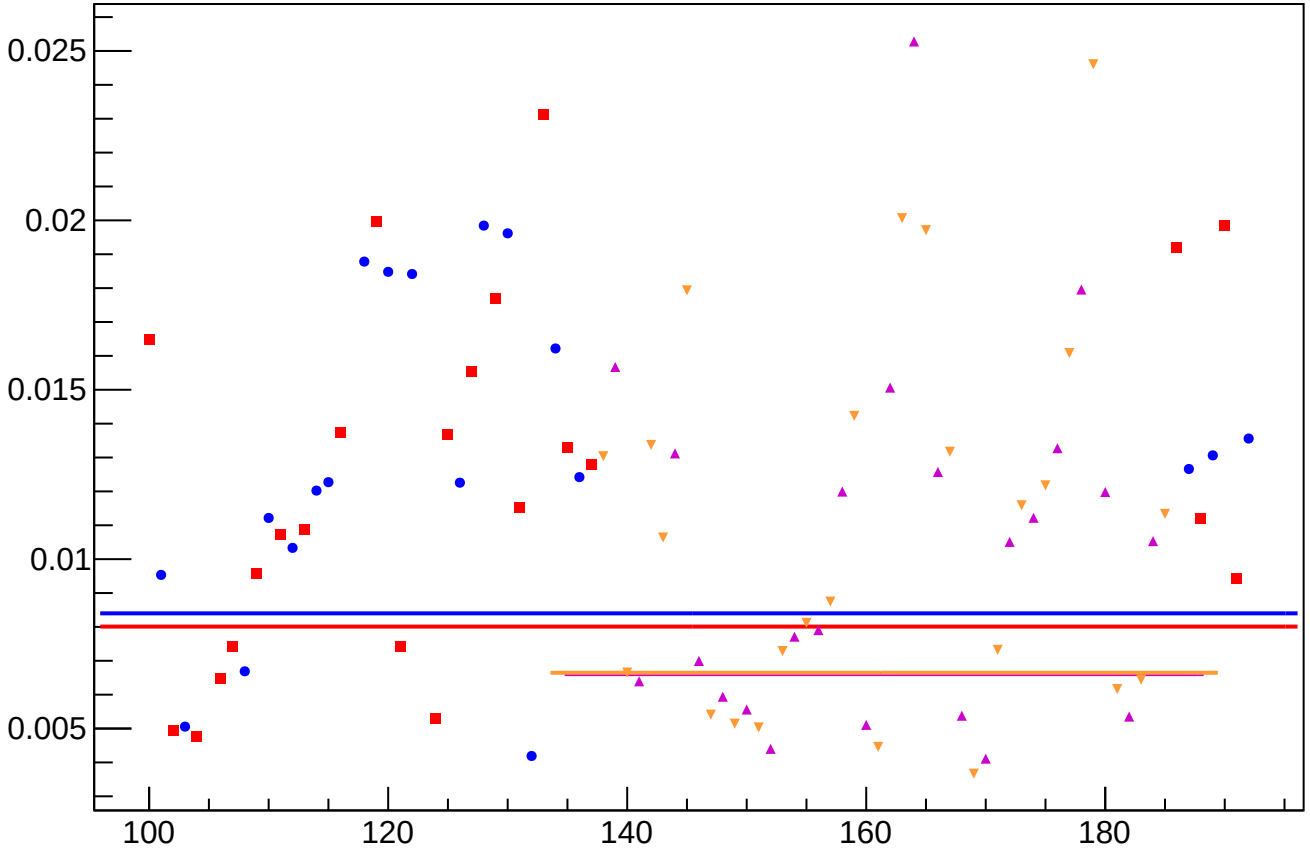
In: 226.518+/-0.034 χ^2/NDF:7823178.3/41

Out: 191.395+/-0.030 χ^2/NDF:14535410.0/47

All: 206.971+/-0.023 χ^2/NDF: 22952371.6/89


asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.15
0.1
0.05
0
−0.05
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 17.5/18
Left Out: -0.000+/-0.000 χ²/NDF:42.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.5/22
Left In: -0.000+/-0.000 χ²/NDF:26.9/22
Left: -0.000+/-0.000 χ²/NDF: 70.0/47
Right: -0.000+/-0.000 χ²/NDF: 43.0/41
In: -0.000+/-0.000 χ²/NDF:44.4/41
Out: -0.000+/-0.000 χ²/NDF:68.3/47
All: -0.000+/-0.000 χ²/NDF: 113.1/89

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: 3675117.4/22

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

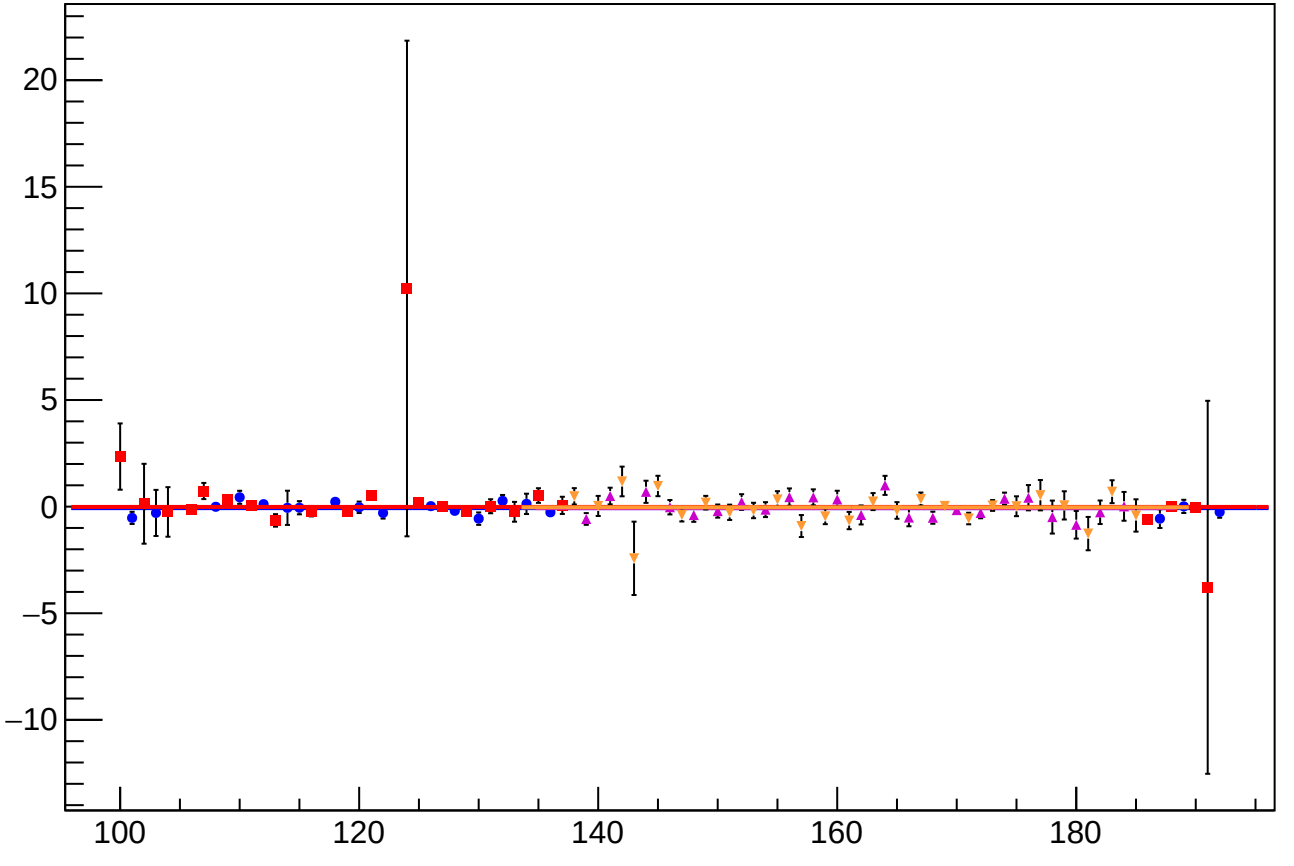
Right: 0.008+/-0.000 χ^2/NDF: 7480754.7/41

In: 0.007+/-0.000 χ^2/NDF:10118733.9/41

Out: 0.007+/-0.000 χ^2/NDF:11503860.2/47

All: 0.007+/-0.000 χ^2/NDF: 21622871.2/89

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: -0.014+/-0.052 χ^2/NDF: 35.3/22

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

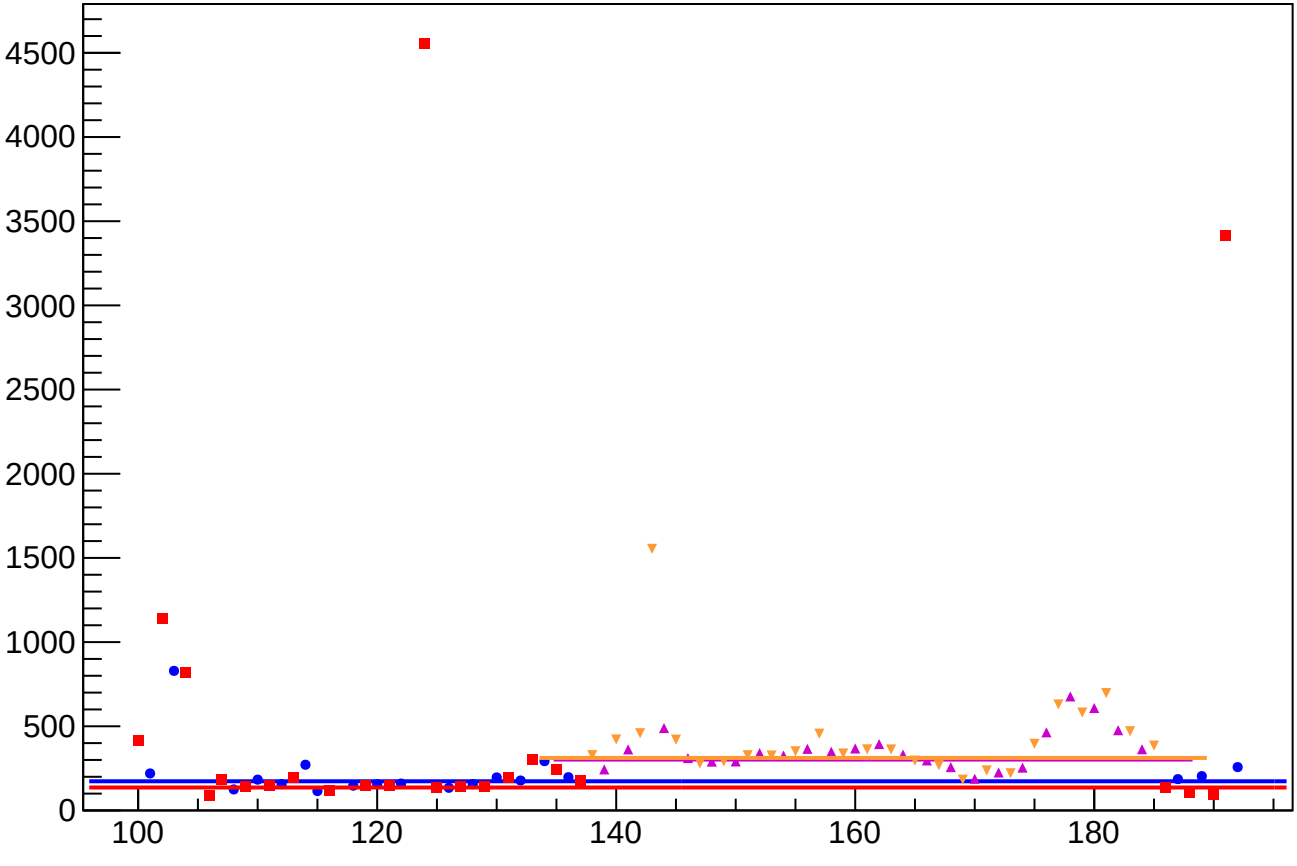
Right: -0.037+/-0.040 χ^2/NDF: 52.6/41

In: -0.070+/-0.048 χ^2/NDF:46.7/41

Out: -0.021+/-0.043 χ^2/NDF:67.9/47

All: -0.042+/-0.032 χ^2/NDF: 115.2/89

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: 136.354+/-0.037 χ^2/NDF: 2982679.1/22

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

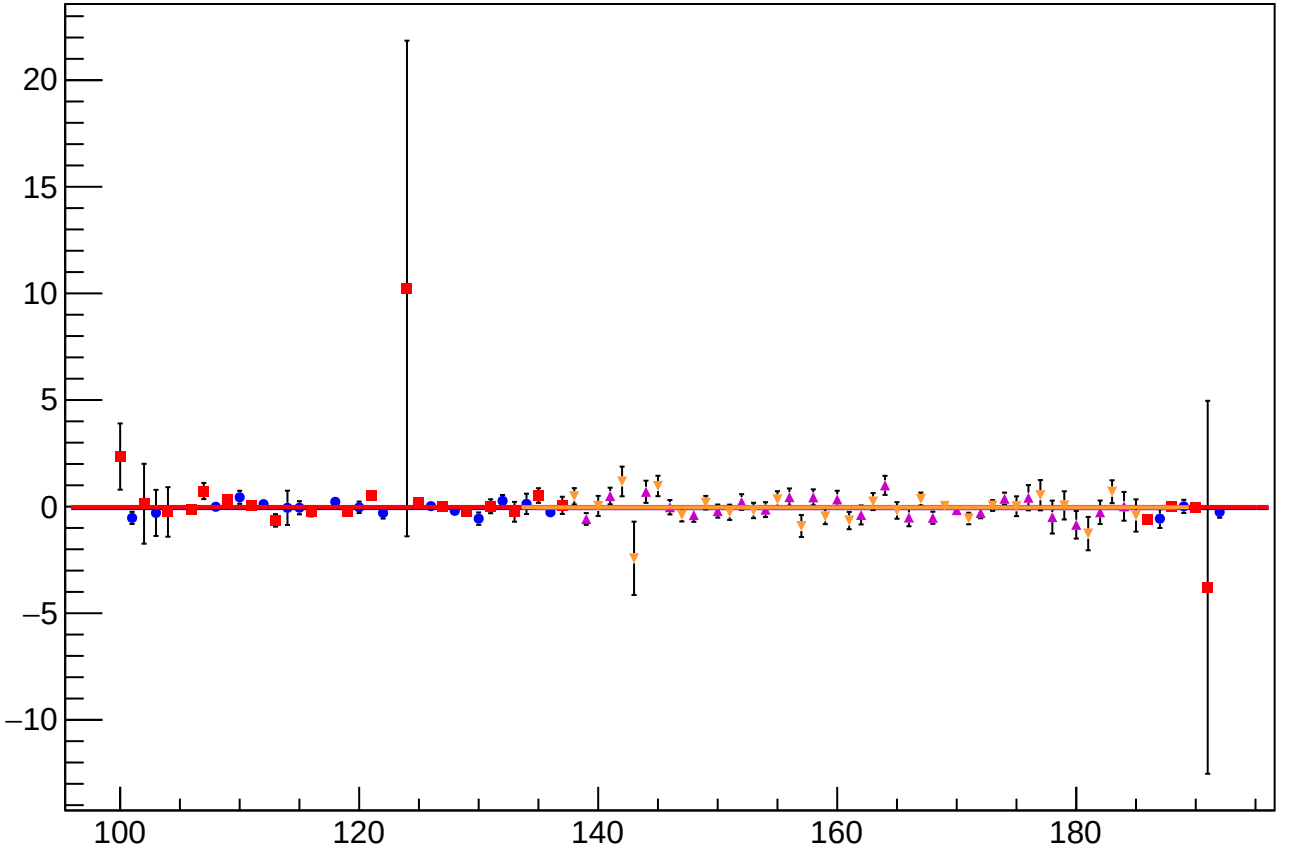
Right: 151.341+/-0.028 χ^2/NDF: 4919238.0/41

In: 226.517+/-0.034 χ^2/NDF:7823396.0/41

Out: 191.391+/-0.030 χ^2/NDF:14536054.4/47

All: 206.968+/-0.023 χ^2/NDF: 22953369.2/89

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: -0.014+/-0.052 χ^2/NDF: 35.3/22

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

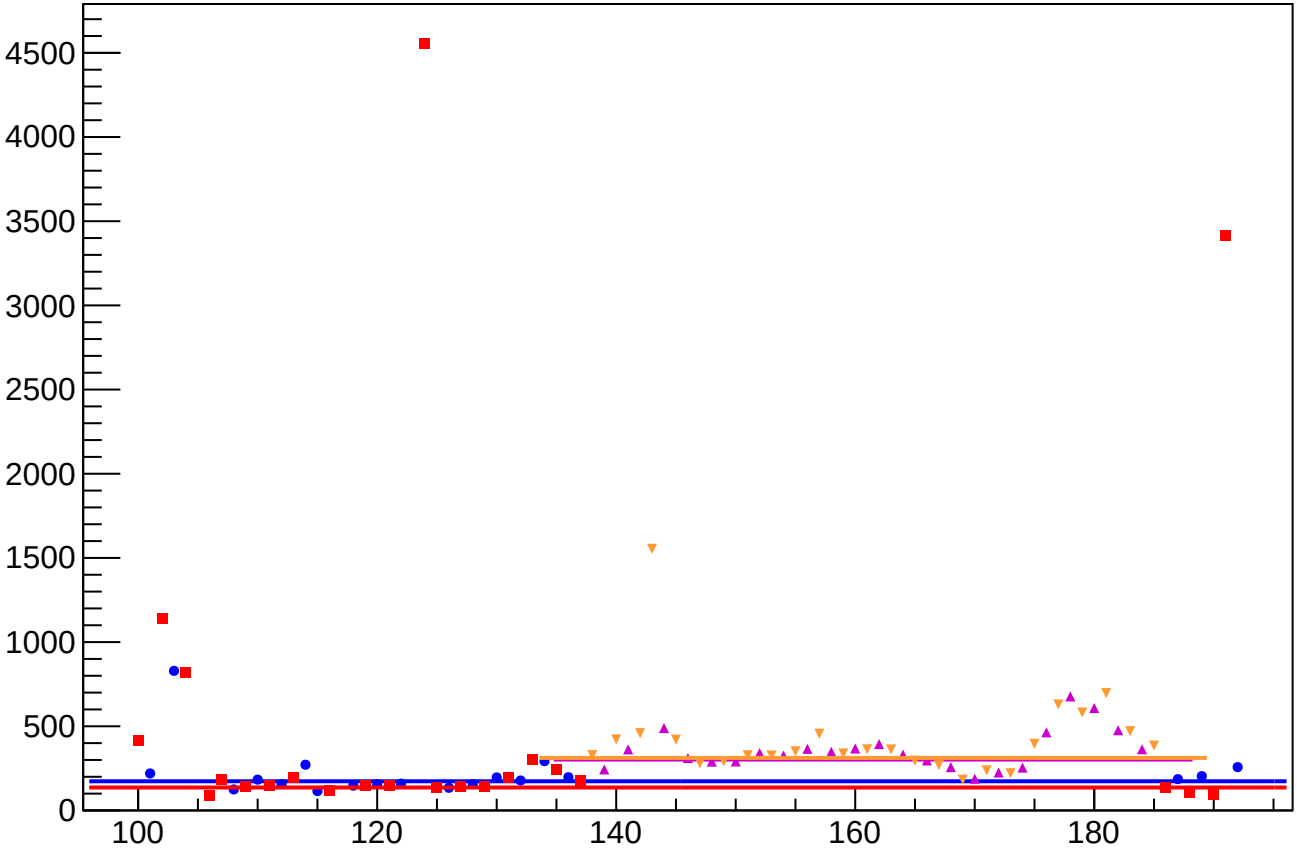
Right: -0.037+/-0.040 χ^2/NDF: 52.6/41

In: -0.070+/-0.048 χ^2/NDF:46.7/41

Out: -0.021+/-0.043 χ^2/NDF:67.9/47

All: -0.042+/-0.032 χ^2/NDF: 115.2/89

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: 136.354+/-0.037 χ^2/NDF: 2982679.1/22

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

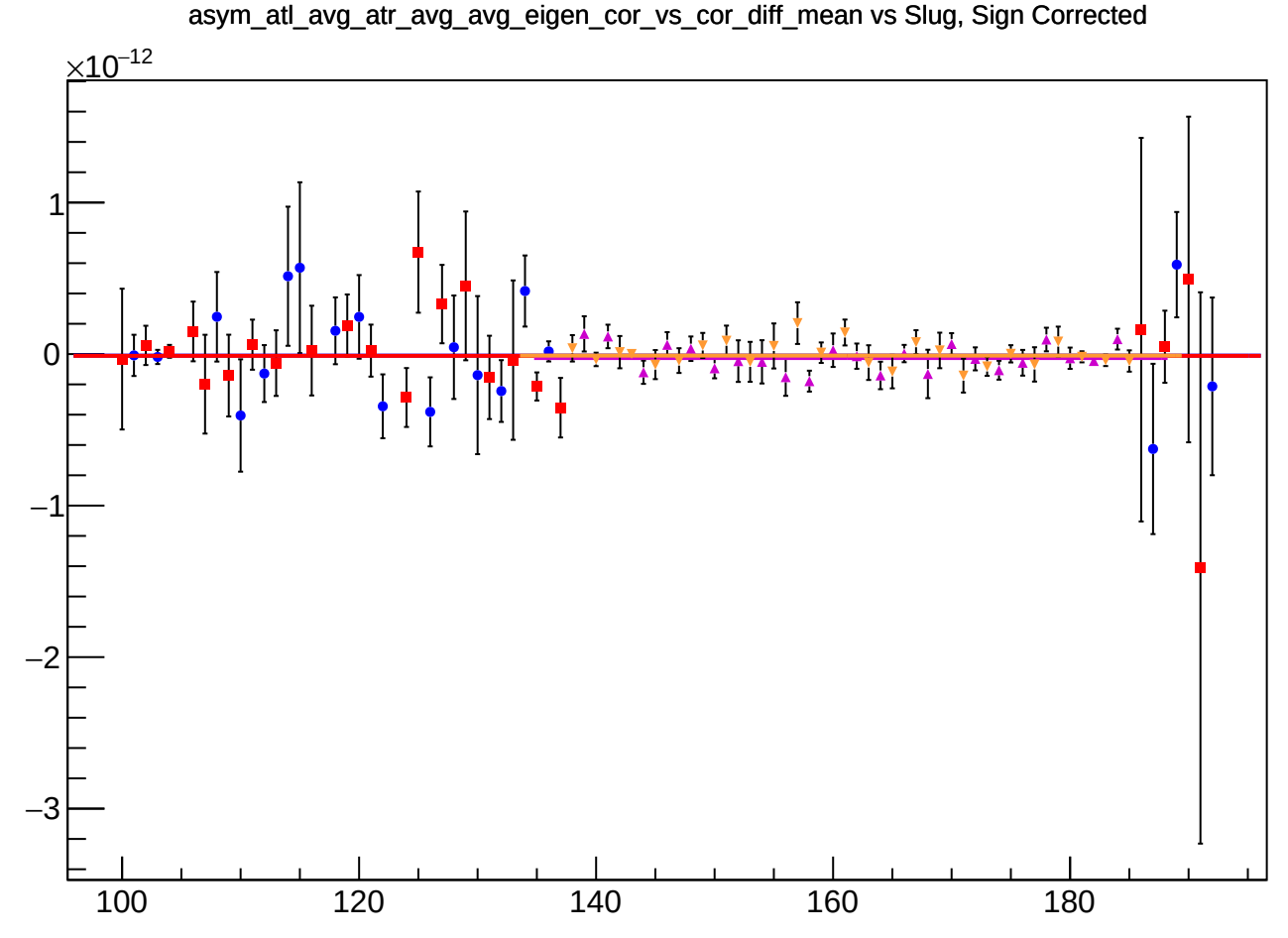
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 151.341+/-0.028 χ^2/NDF: 4919238.0/41

In: 226.517+/-0.034 χ^2/NDF:7823396.0/41

Out: 191.391+/-0.030 χ^2/NDF:14536054.4/47

All: 206.968+/-0.023 χ^2/NDF: 22953369.2/89



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: 19.8/22

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

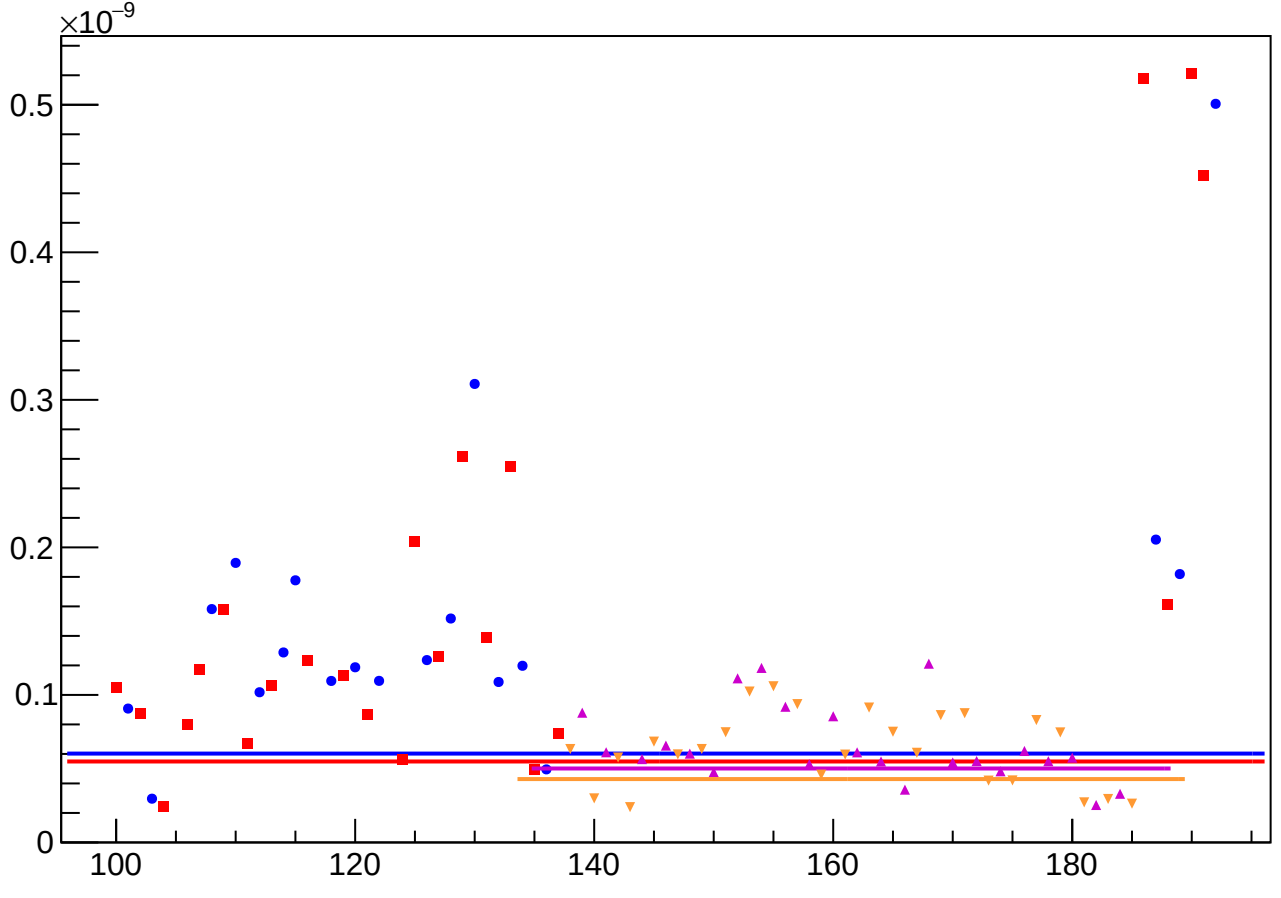
Right: -0.000+/-0.000 χ^2/NDF: 40.2/41

In: -0.000+/-0.000 χ^2/NDF:48.2/41

Out: -0.000+/-0.000 χ^2/NDF:36.0/47

All: -0.000+/-0.000 χ^2/NDF: 84.7/89

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: 4442182.0/22

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

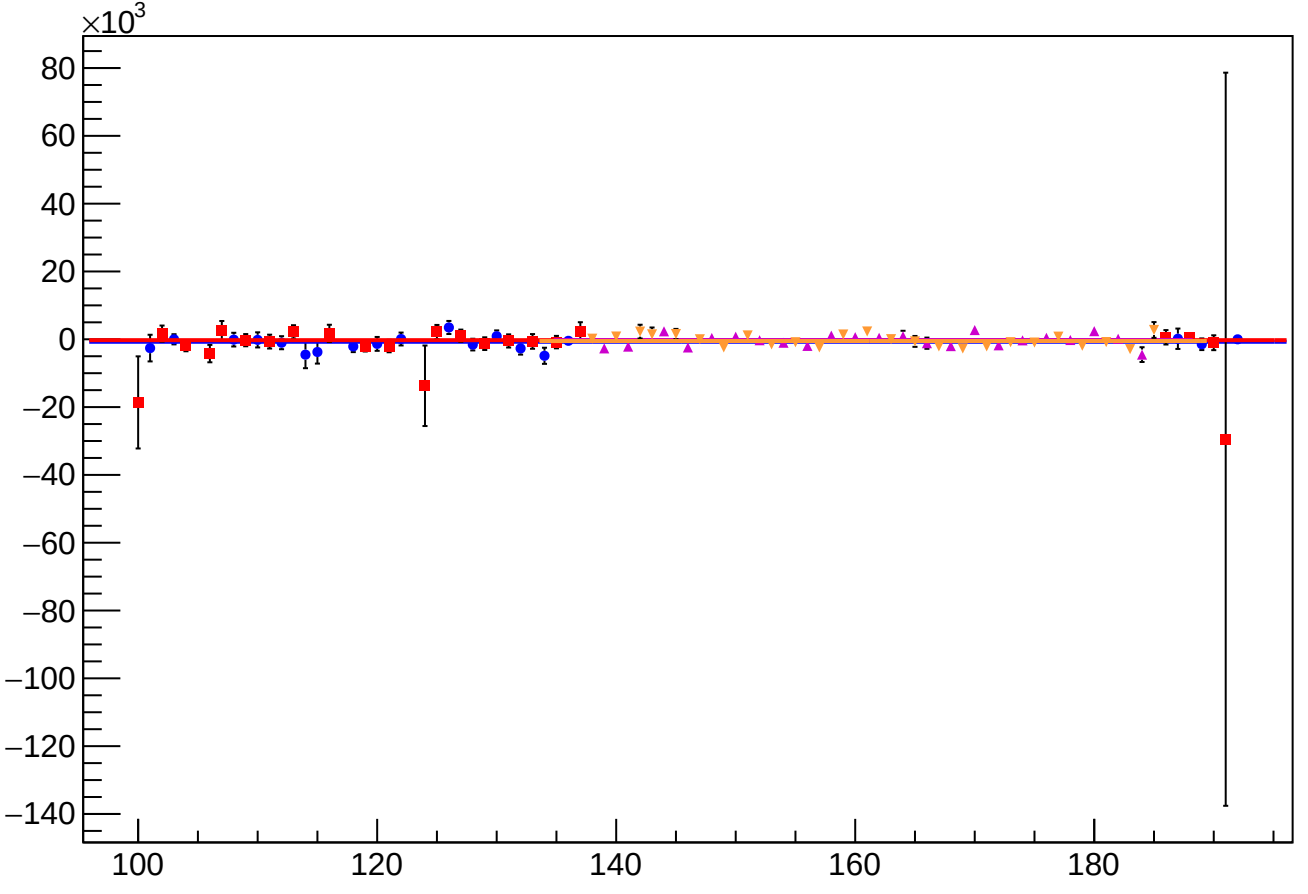
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8976291.7/41

In: 0.000+/-0.000 χ^2/NDF:8274655.2/41

Out: 0.000+/-0.000 χ^2/NDF:9763206.1/47

All: 0.000+/-0.000 χ^2/NDF: 18332809.9/89



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: -260.292+/-438.704 χ^2/NDF: 16.4/22

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

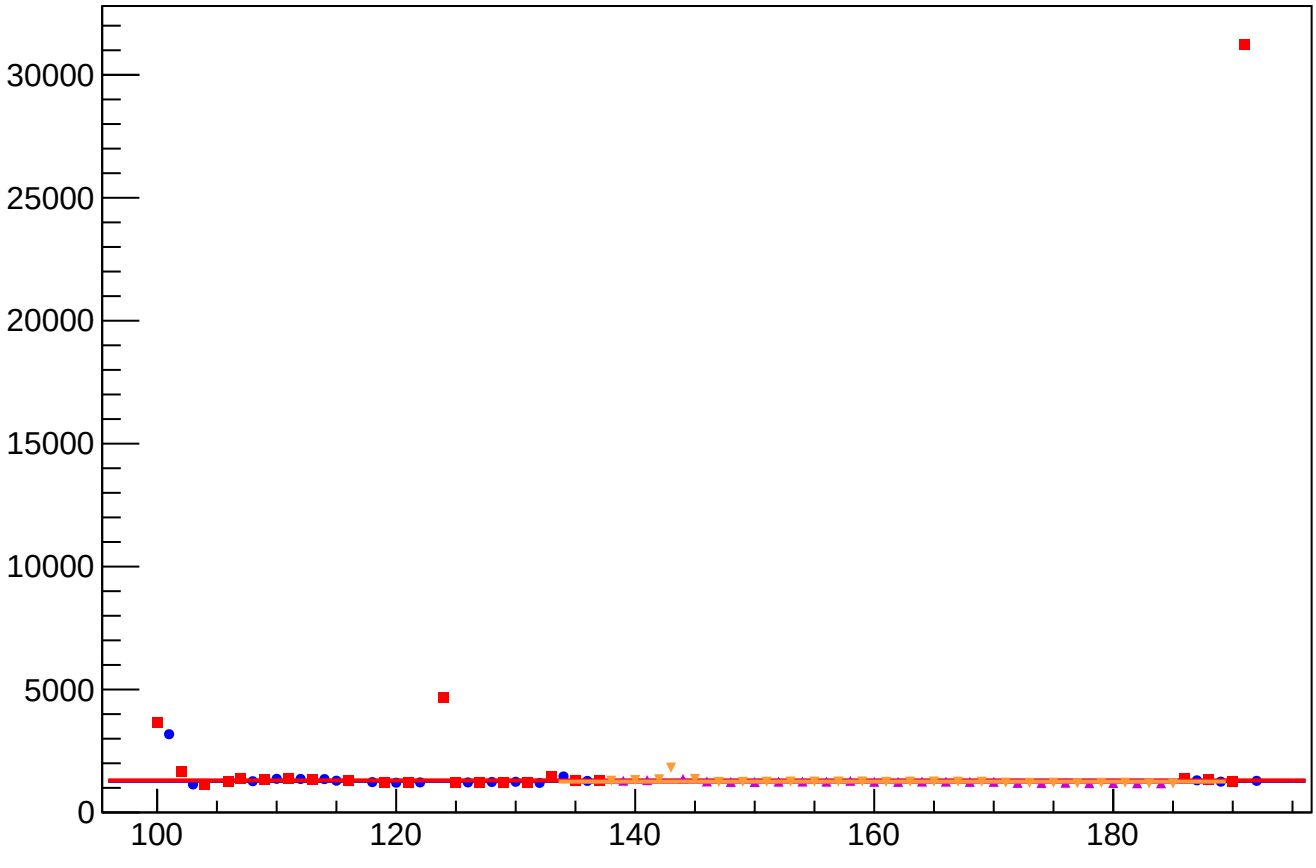
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -497.265+/-309.474 χ^2/NDF: 31.0/41

In: -393.302+/-242.244 χ^2/NDF:46.9/41

Out: -438.693+/-239.552 χ^2/NDF:47.5/47

All: -416.251+/-170.333 χ^2/NDF: 94.5/89



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: 1303.079+/-0.310 χ^2/NDF: 488294.7/22

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

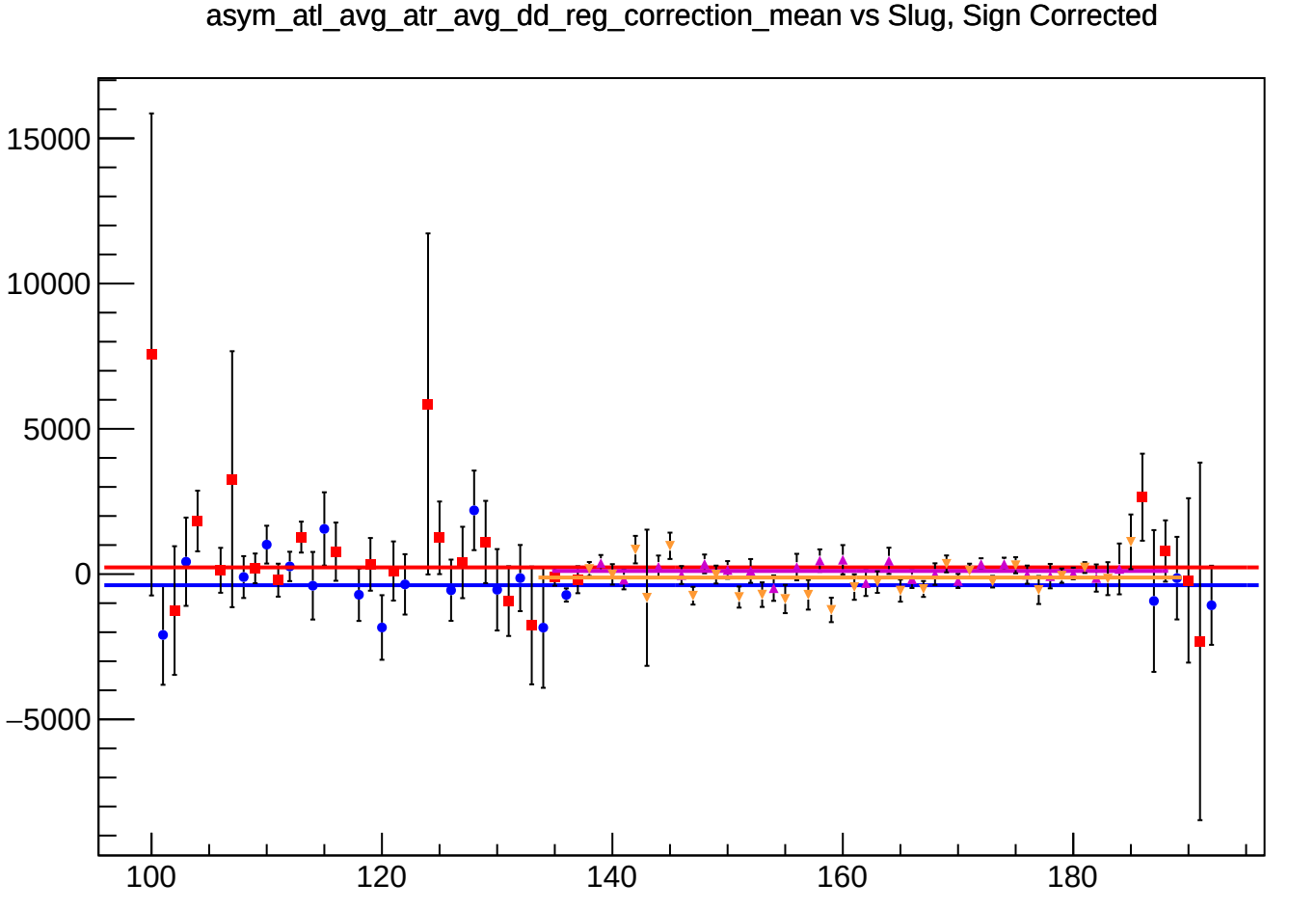
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1293.639+/-0.219 χ^2/NDF: 1009089.7/41

In: 1258.031+/-0.171 χ^2/NDF:569257.3/41

Out: 1269.696+/-0.169 χ^2/NDF:707919.7/47

All: 1263.929+/-0.120 χ^2/NDF: 1279521.9/89



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: 230.949+/-166.042 χ^2/NDF: 17.8/22

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

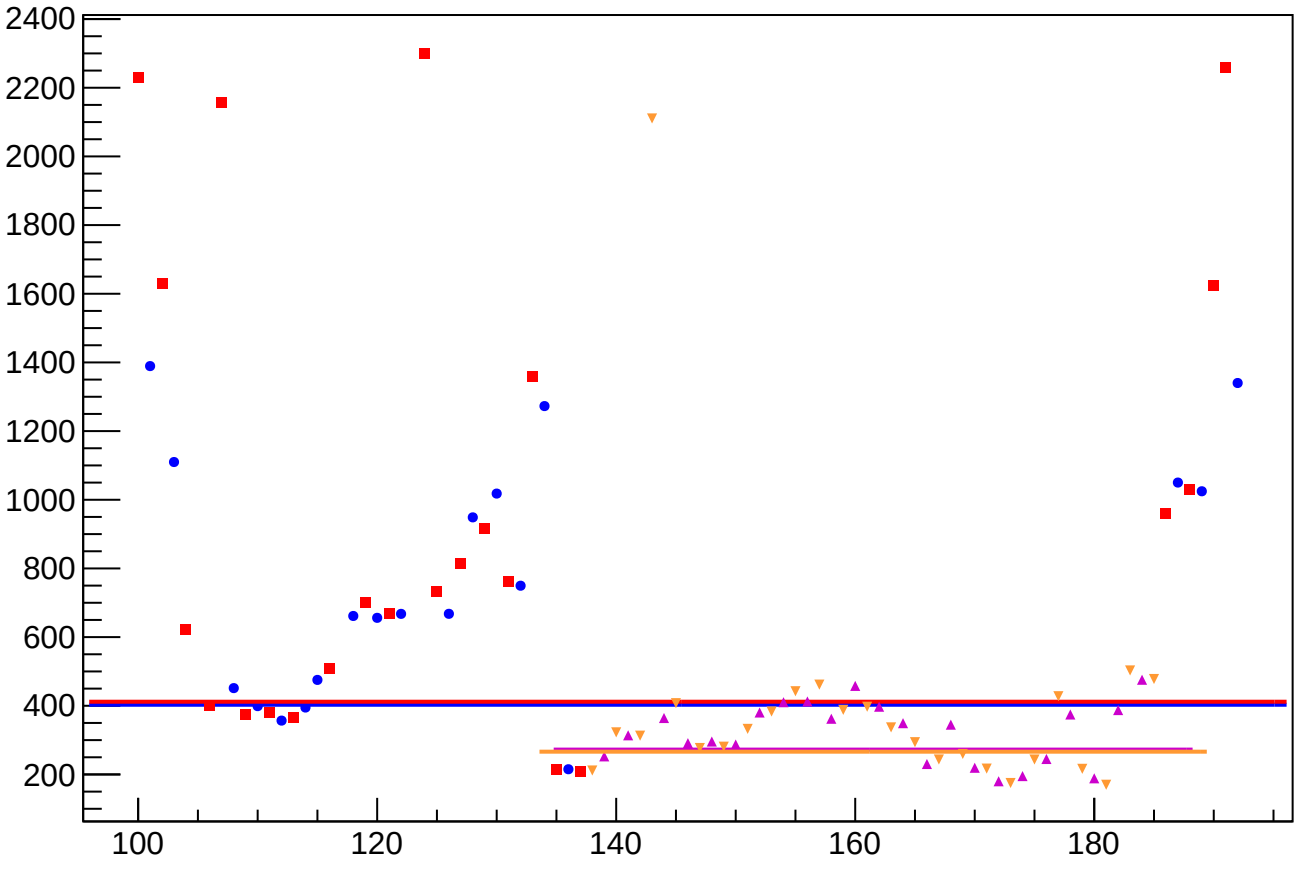
Right: -76.720+/-117.187 χ^2/NDF: 43.1/41

In: 38.364+/-62.100 χ^2/NDF:39.7/41

Out: -70.716+/-60.575 χ^2/NDF:70.0/47

All: -17.532+/-43.362 χ^2/NDF: 111.4/89

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: 411.830+/-0.117 χ^2/NDF: 5613525.2/22

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

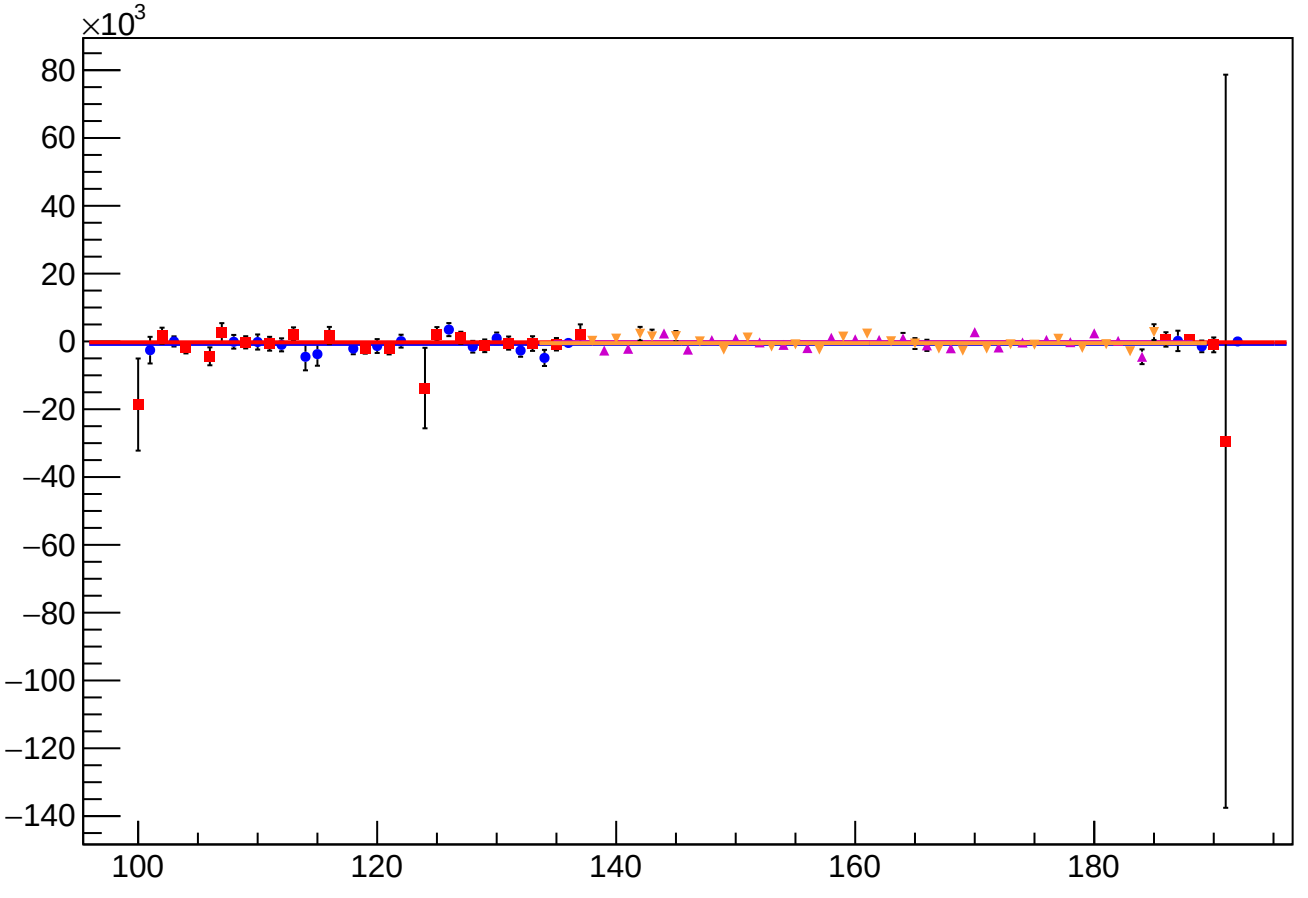
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 407.391+/-0.083 χ^2/NDF: 11326042.2/41

In: 290.777+/-0.044 χ^2/NDF:9668792.5/41

Out: 285.687+/-0.043 χ^2/NDF:11575181.9/47

All: 288.169+/-0.031 χ^2/NDF: 21250861.1/89



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: -258.002+/-439.089 χ^2/NDF: 16.4/22

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

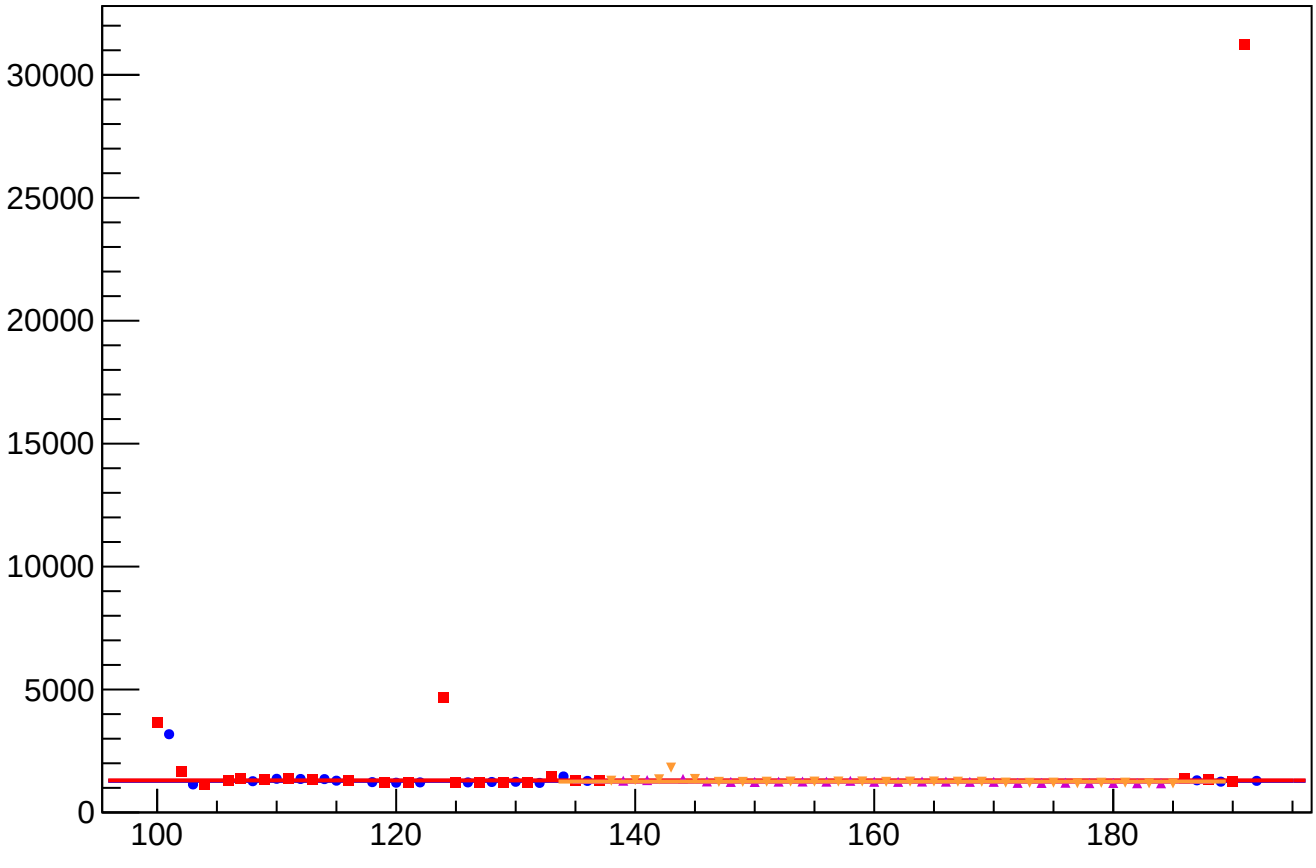
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -496.173+/-309.609 χ^2/NDF: 31.0/41

In: -393.188+/-242.244 χ^2/NDF:46.9/41

Out: -438.066+/-239.614 χ^2/NDF:47.6/47

All: -415.872+/-170.355 χ^2/NDF: 94.5/89



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: 1304.275+/-0.310 χ^2/NDF: 487793.5/22

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

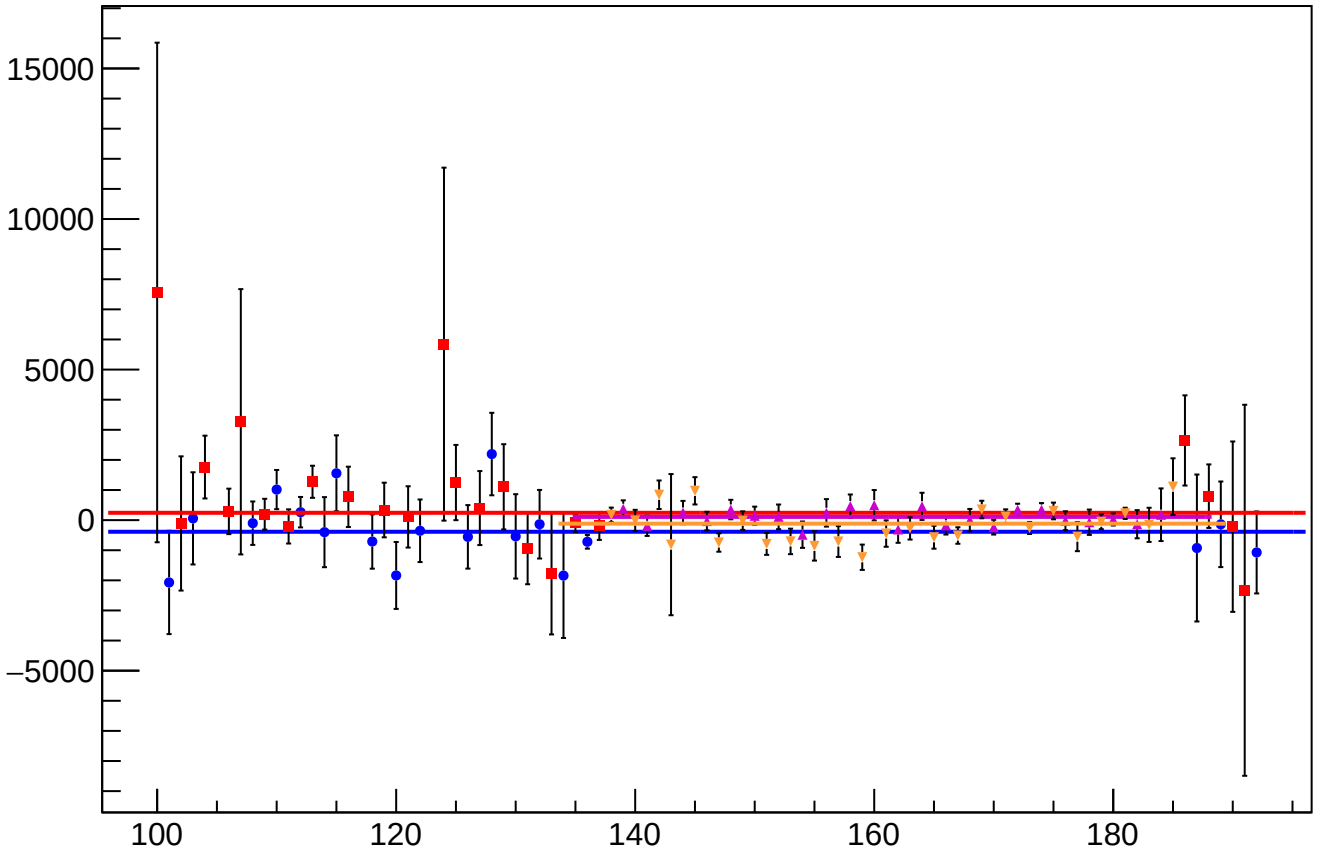
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1294.225+/-0.219 χ^2/NDF: 1008830.0/41

In: 1258.031+/-0.171 χ^2/NDF:569258.6/41

Out: 1270.035+/-0.169 χ^2/NDF:708236.8/47

All: 1264.098+/-0.120 χ^2/NDF: 1279977.8/89



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: 243.513+/-165.856 χ^2/NDF: 17.2/22

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

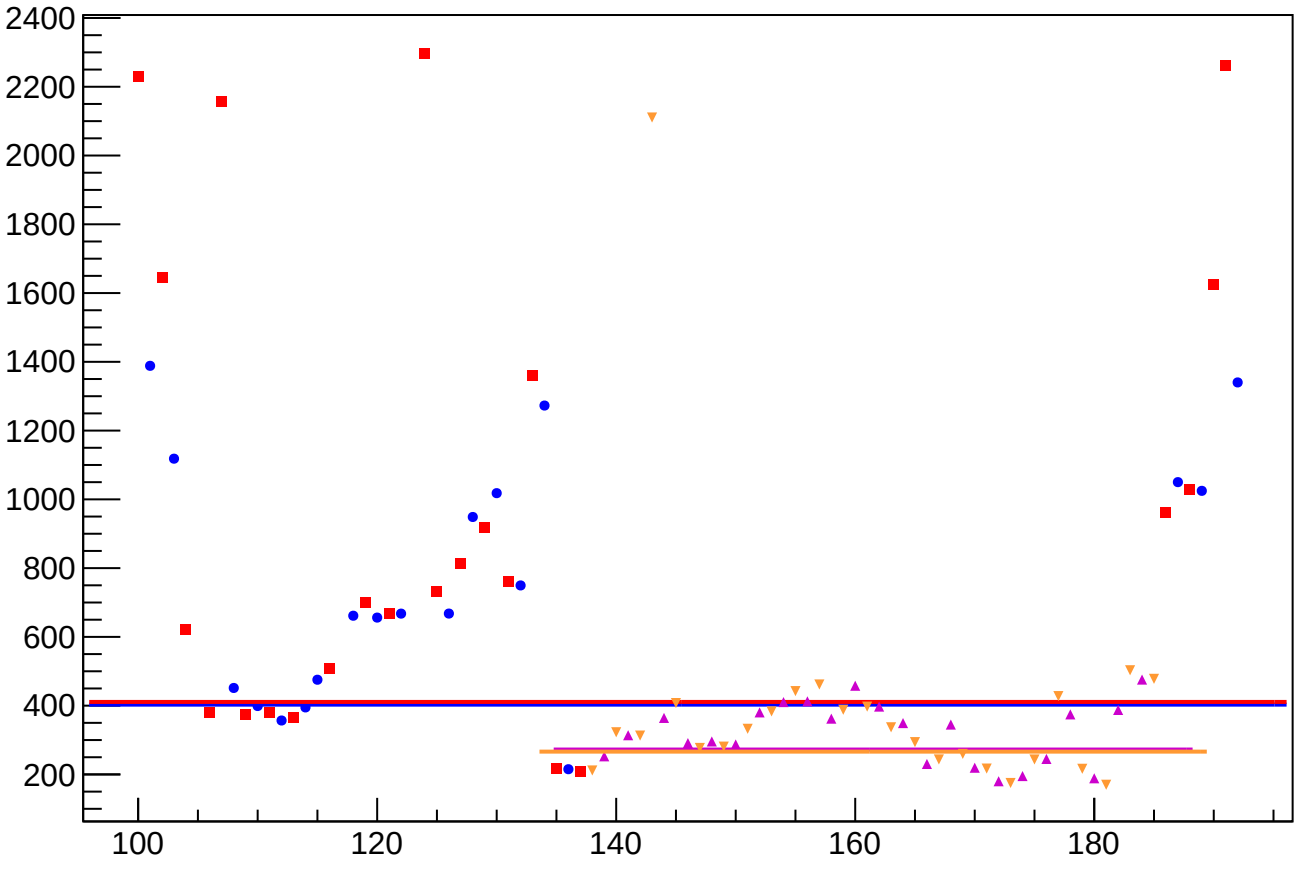
Right: -72.232+/-117.128 χ^2/NDF: 42.7/41

In: 37.869+/-62.102 χ^2/NDF:39.7/41

Out: -68.926+/-60.567 χ^2/NDF:69.7/47

All: -16.865+/-43.360 χ^2/NDF: 110.9/89

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: 410.866+/-0.117 χ^2/NDF: 5623032.0/22

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

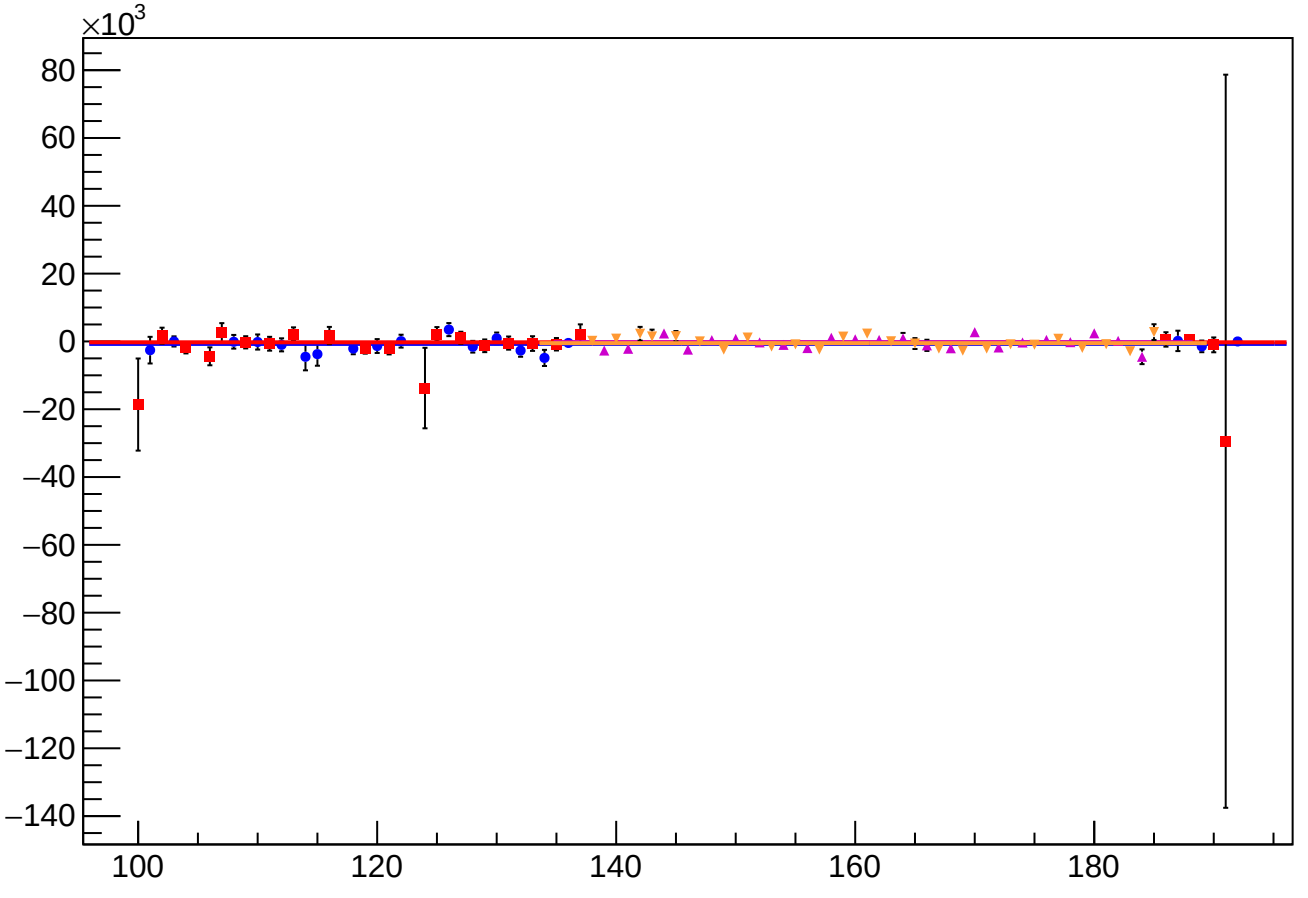
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 406.914+/-0.083 χ^2/NDF: 11338129.6/41

In: 290.783+/-0.044 χ^2/NDF:9671312.4/41

Out: 285.601+/-0.043 χ^2/NDF:11569571.6/47

All: 288.127+/-0.031 χ^2/NDF: 21248019.1/89



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: -258.002+/-439.089 χ^2/NDF: 16.4/22

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

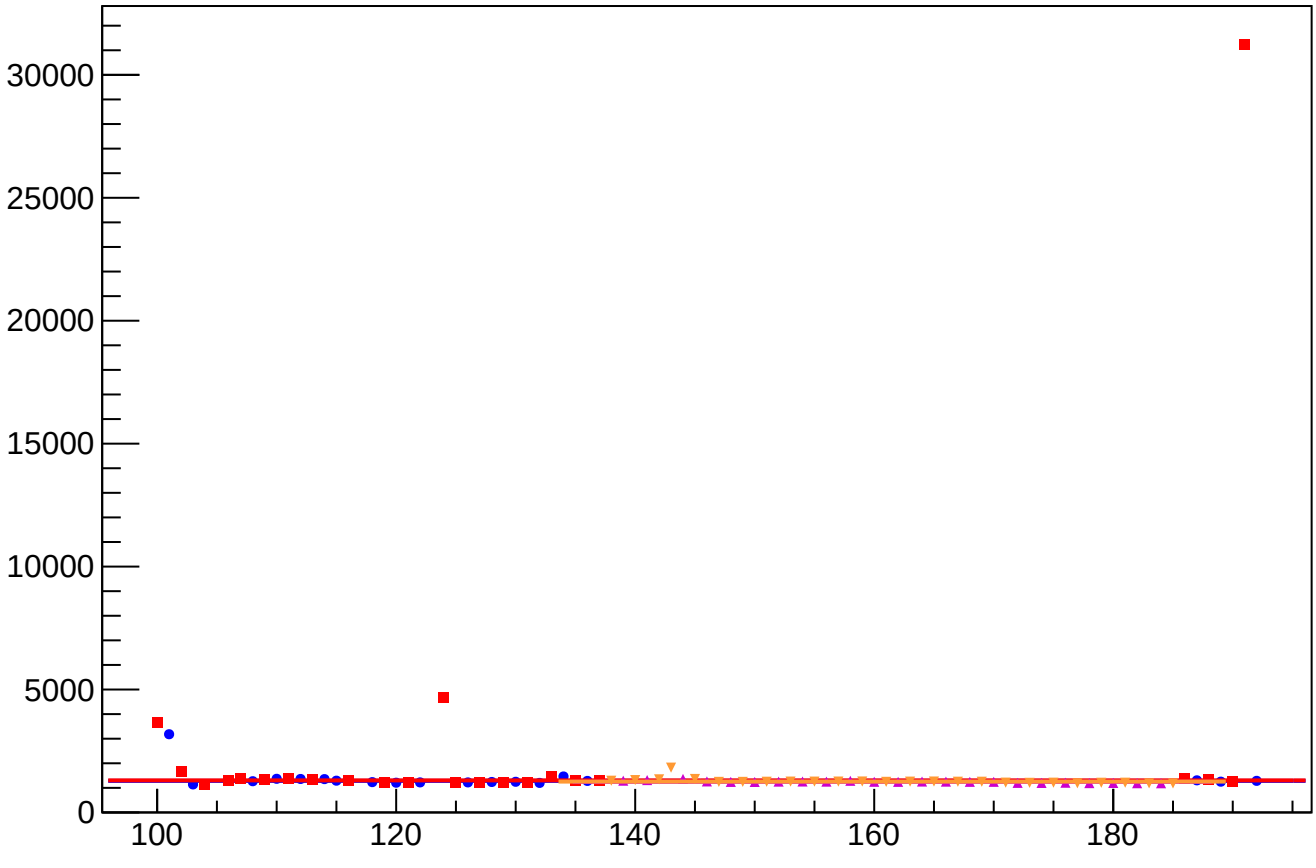
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -496.173+/-309.609 χ^2/NDF: 31.0/41

In: -393.188+/-242.244 χ^2/NDF:46.9/41

Out: -438.066+/-239.614 χ^2/NDF:47.6/47

All: -415.872+/-170.355 χ^2/NDF: 94.5/89



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: 1304.275+/-0.310 χ^2/NDF: 487793.5/22

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

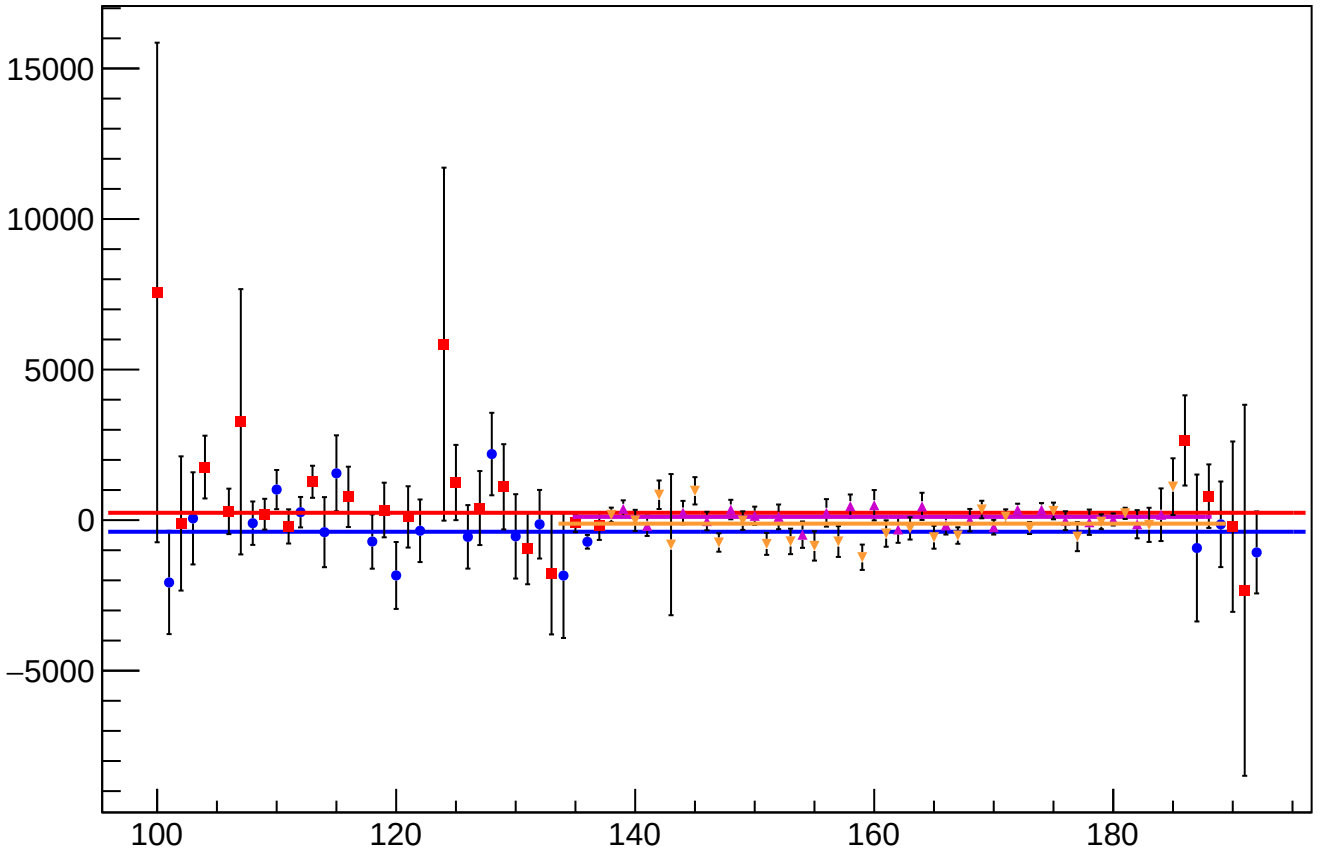
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1294.225+/-0.219 χ^2/NDF: 1008830.0/41

In: 1258.031+/-0.171 χ^2/NDF:569258.6/41

Out: 1270.035+/-0.169 χ^2/NDF:708236.8/47

All: 1264.098+/-0.120 χ^2/NDF: 1279977.8/89



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: 243.513+/-165.856 χ^2/NDF: 17.2/22

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

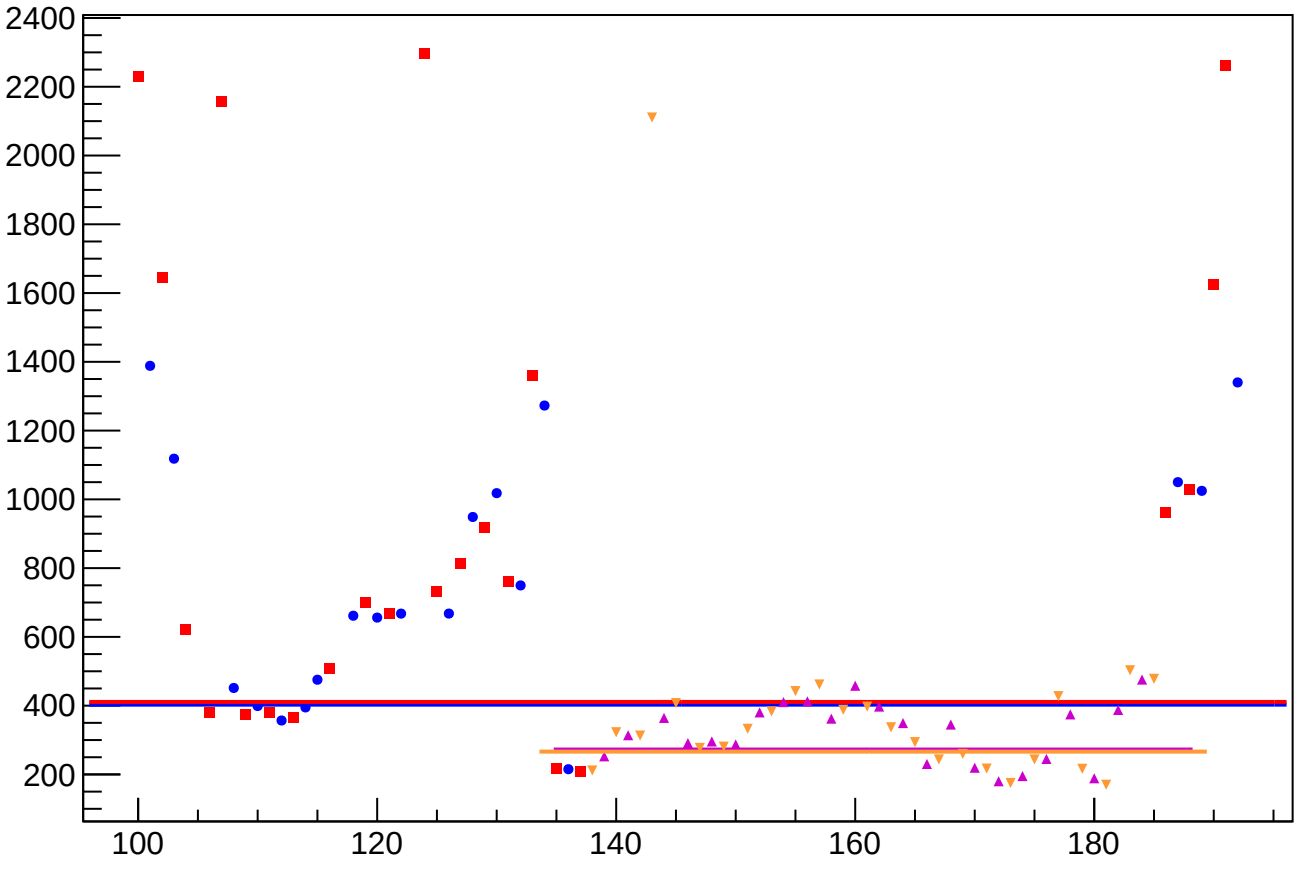
Right: -72.232+/-117.128 χ^2/NDF: 42.7/41

In: 37.869+/-62.102 χ^2/NDF:39.7/41

Out: -68.926+/-60.567 χ^2/NDF:69.7/47

All: -16.865+/-43.360 χ^2/NDF: 110.9/89

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: 410.866+/-0.117 χ^2/NDF: 5623032.0/22

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

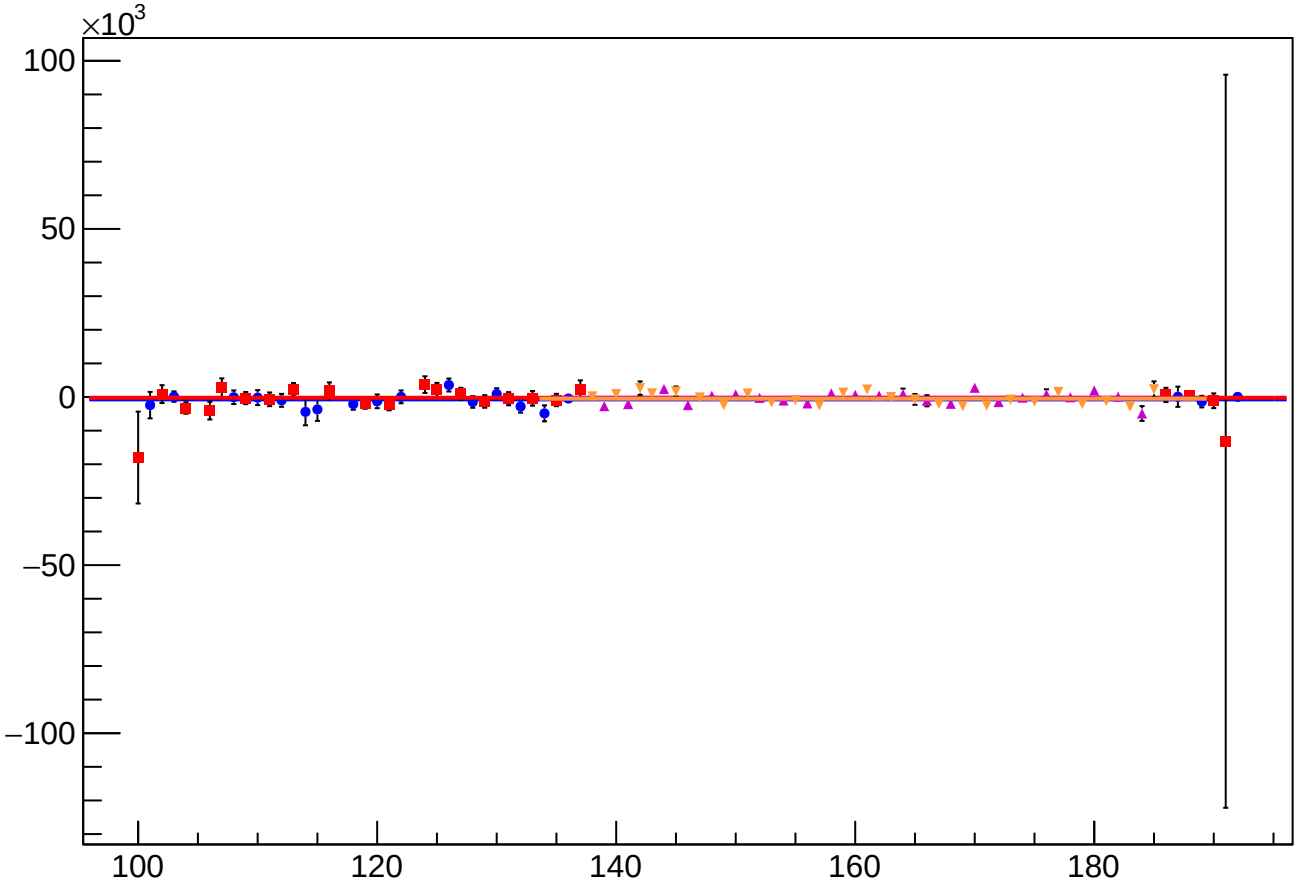
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 406.914+/-0.083 χ^2/NDF: 11338129.6/41

In: 290.783+/-0.044 χ^2/NDF:9671312.4/41

Out: 285.601+/-0.043 χ^2/NDF:11569571.6/47

All: 288.127+/-0.031 χ^2/NDF: 21248019.1/89



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: -217.861+/-436.444 χ^2/NDF: 18.6/22

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

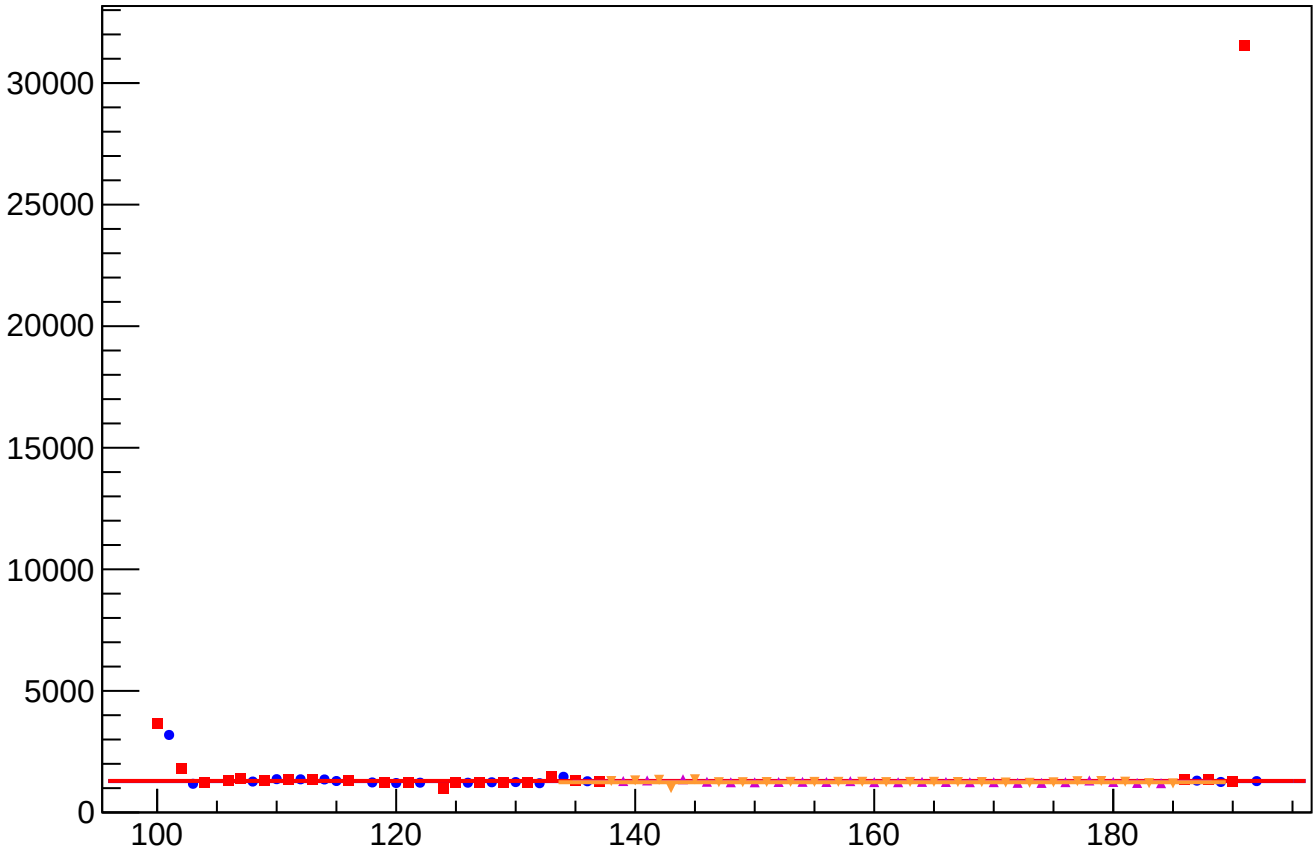
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -458.193+/-309.294 χ^2/NDF: 33.4/41

In: -384.523+/-244.367 χ^2/NDF:45.6/41

Out: -411.974+/-237.293 χ^2/NDF:53.1/47

All: -398.652+/-170.238 χ^2/NDF: 98.7/89



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: 1296.757+/-0.309 χ^2/NDF: 371558.9/22

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

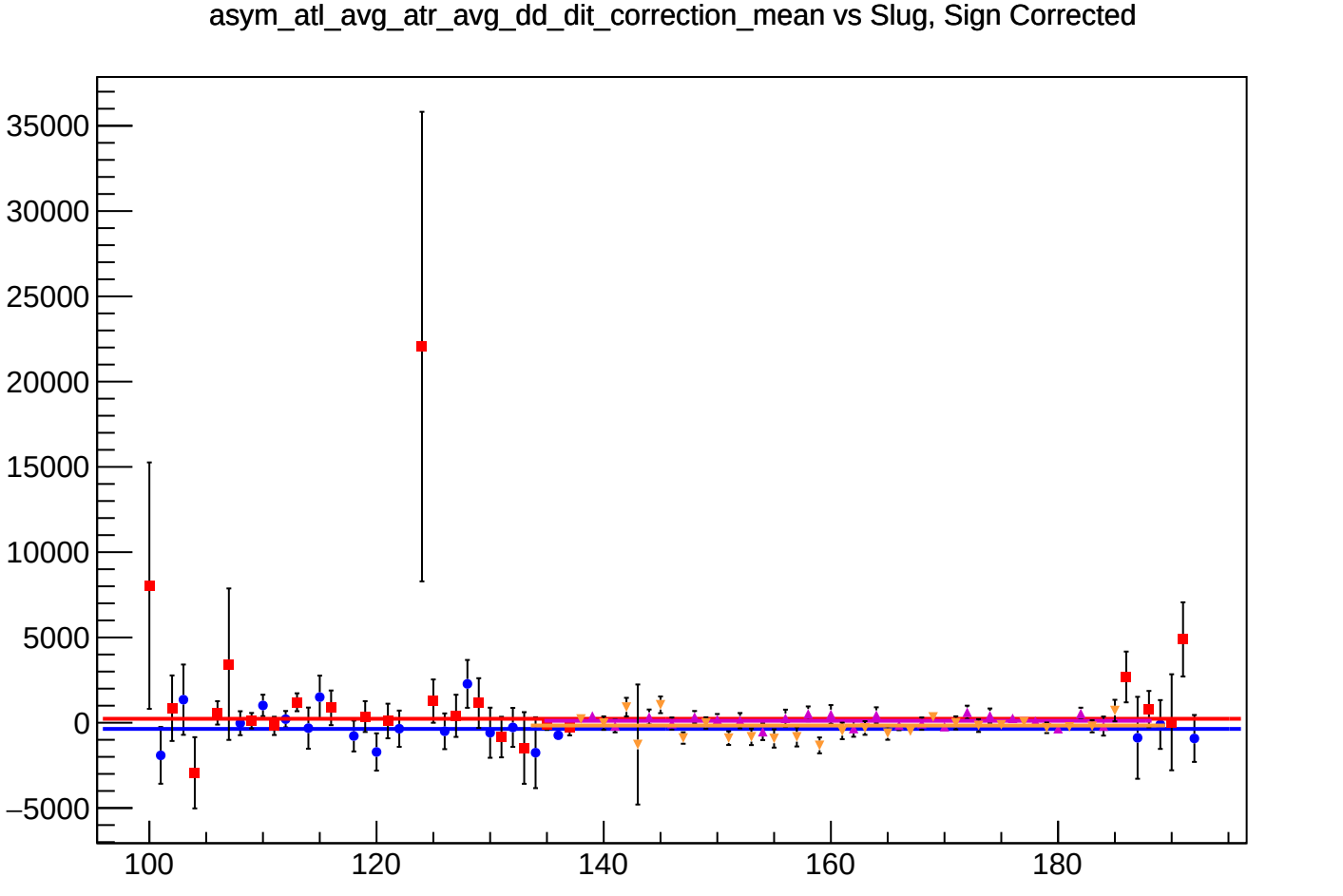
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1293.216+/-0.219 χ^2/NDF: 882184.6/41

In: 1269.276+/-0.173 χ^2/NDF:544556.7/41

Out: 1258.567+/-0.168 χ^2/NDF:523322.9/47

All: 1263.764+/-0.120 χ^2/NDF: 1069856.5/89



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: 231.797+/-165.727 χ^2/NDF: 23.6/22

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

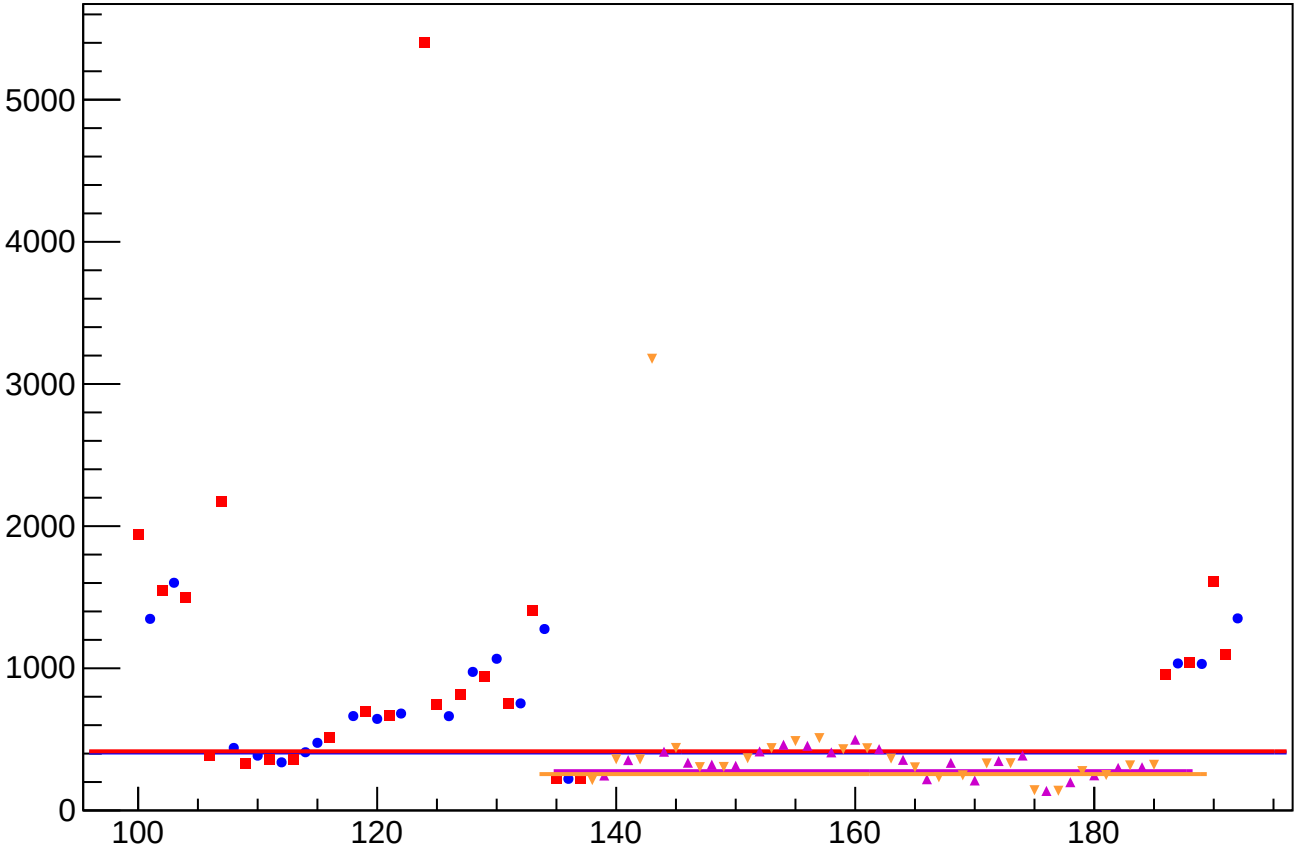
Right: -62.964+/-117.677 χ^2/NDF: 48.7/41

In: 44.609+/-63.652 χ^2/NDF:43.8/41

Out: -109.778+/-59.810 χ^2/NDF:72.3/47

All: -37.383+/-43.587 χ^2/NDF: 119.2/89

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: 416.002+/-0.117 χ^2/NDF: 6135867.1/22

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

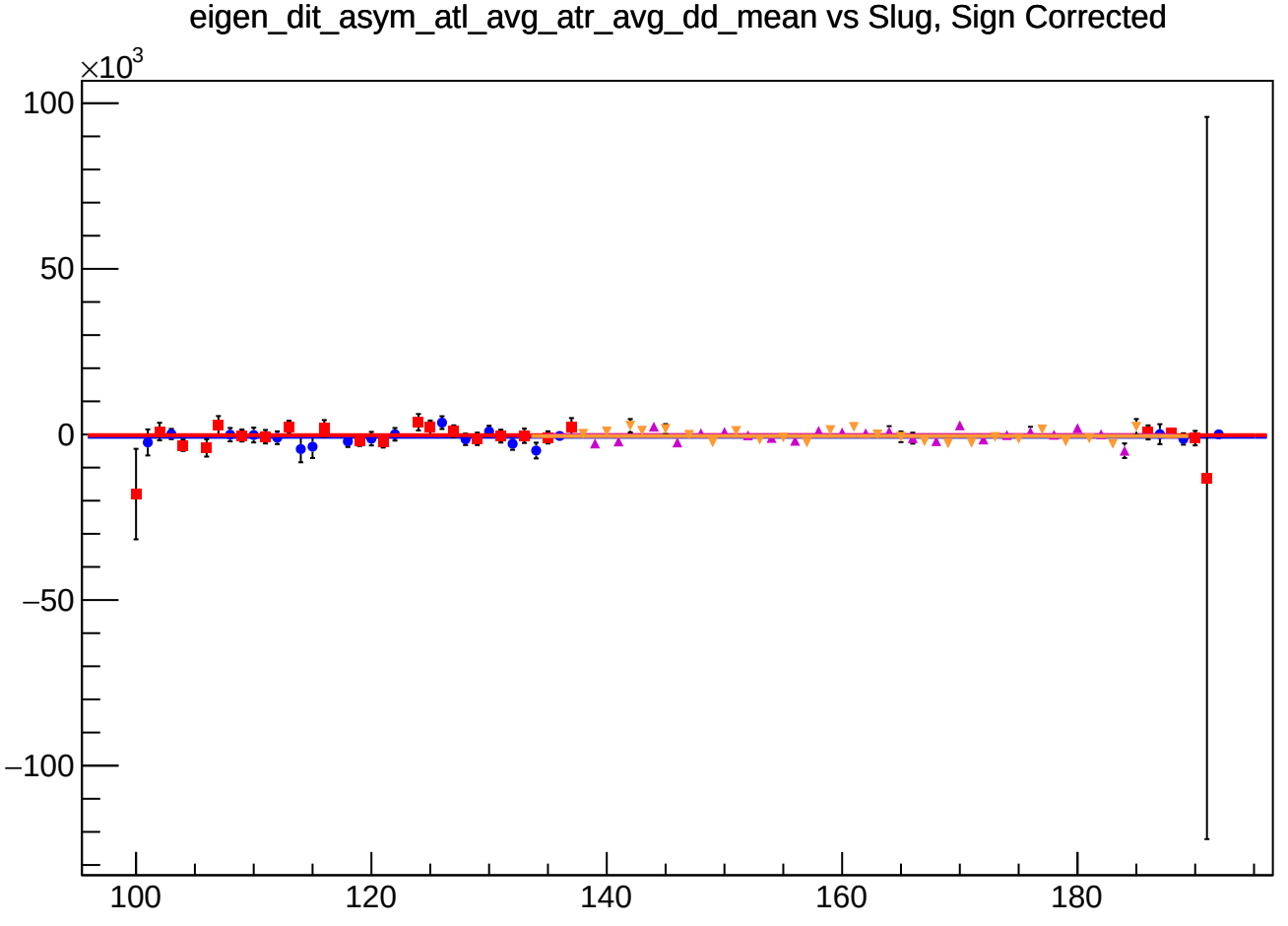
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 411.875+/-0.083 χ^2/NDF: 11960228.7/41

In: 295.357+/-0.045 χ^2/NDF:10905976.0/41

Out: 276.638+/-0.042 χ^2/NDF:14135908.5/47

All: 285.416+/-0.031 χ^2/NDF: 25133740.7/89



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: -217.861+/-436.444 χ^2/NDF: 18.6/22

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

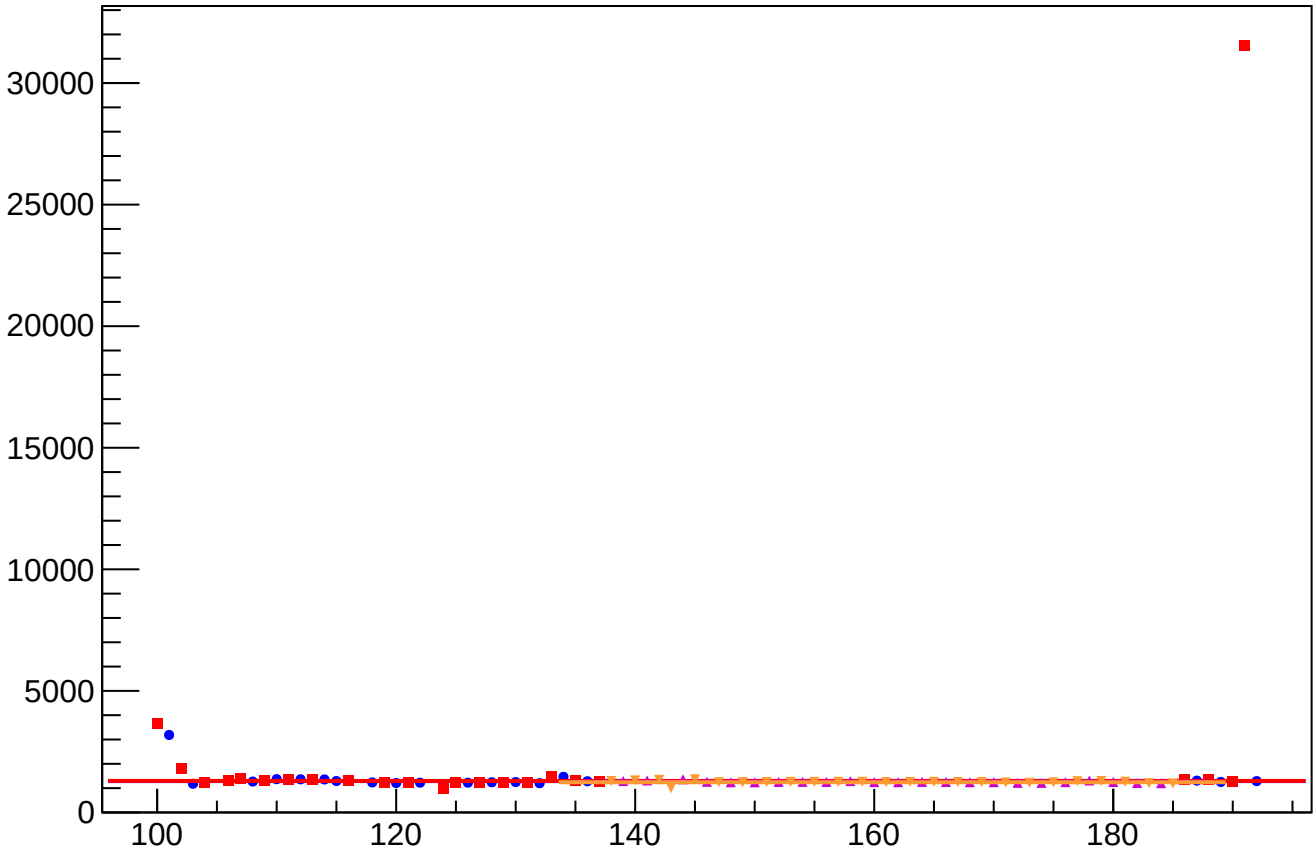
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -458.194+/-309.294 χ^2/NDF: 33.4/41

In: -384.524+/-244.367 χ^2/NDF:45.6/41

Out: -411.974+/-237.293 χ^2/NDF:53.1/47

All: -398.652+/-170.238 χ^2/NDF: 98.7/89



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: 1296.757+/-0.309 χ^2/NDF: 371559.2/22

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

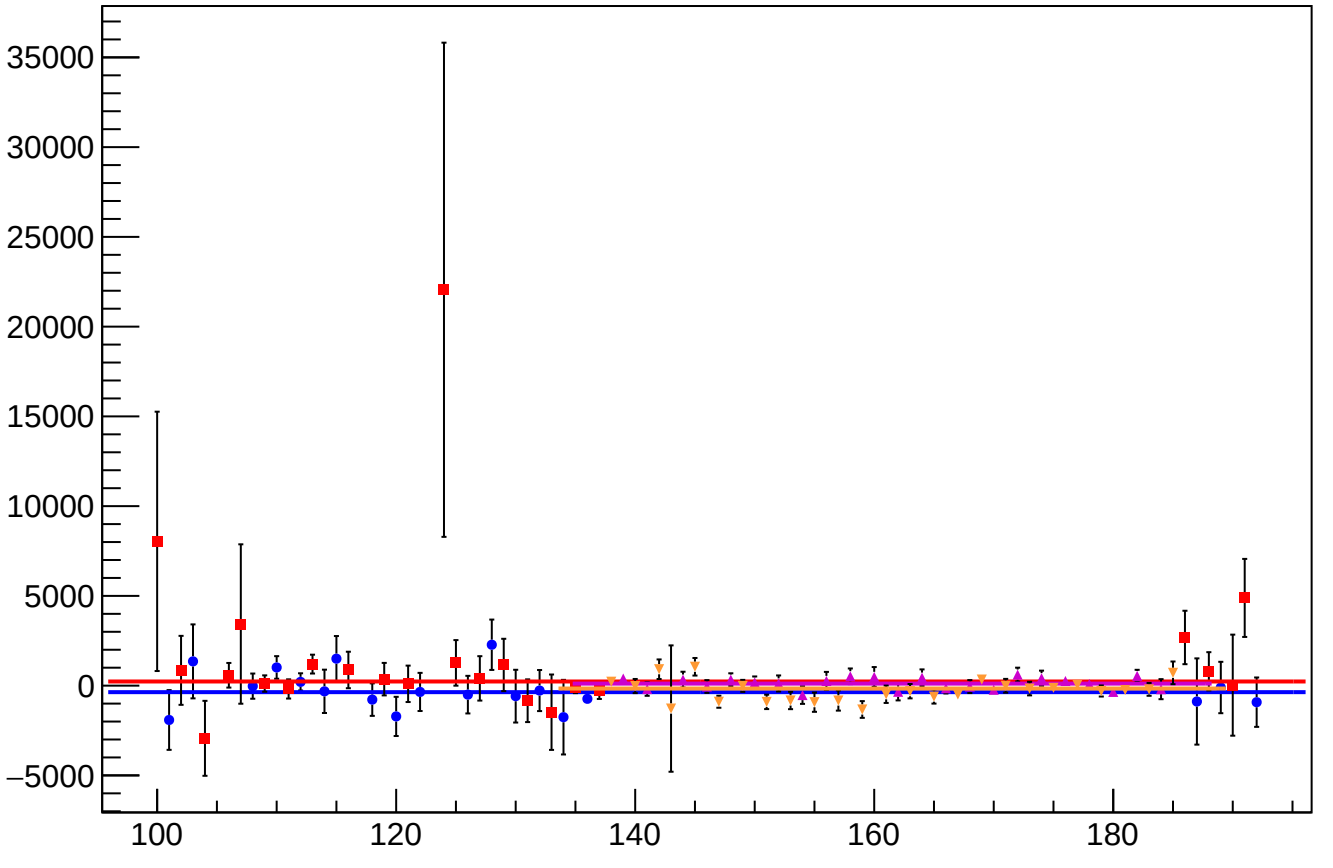
Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

Right: 1293.216+/-0.219 χ^2/NDF: 882184.8/41

In: 1269.276+/-0.173 χ^2/NDF:544556.8/41

Out: 1258.567+/-0.168 χ^2/NDF:523322.2/47

All: 1263.764+/-0.120 χ^2/NDF: 1069856.0/89



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: 231.805+/-165.729 χ^2/NDF: 23.6/22

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

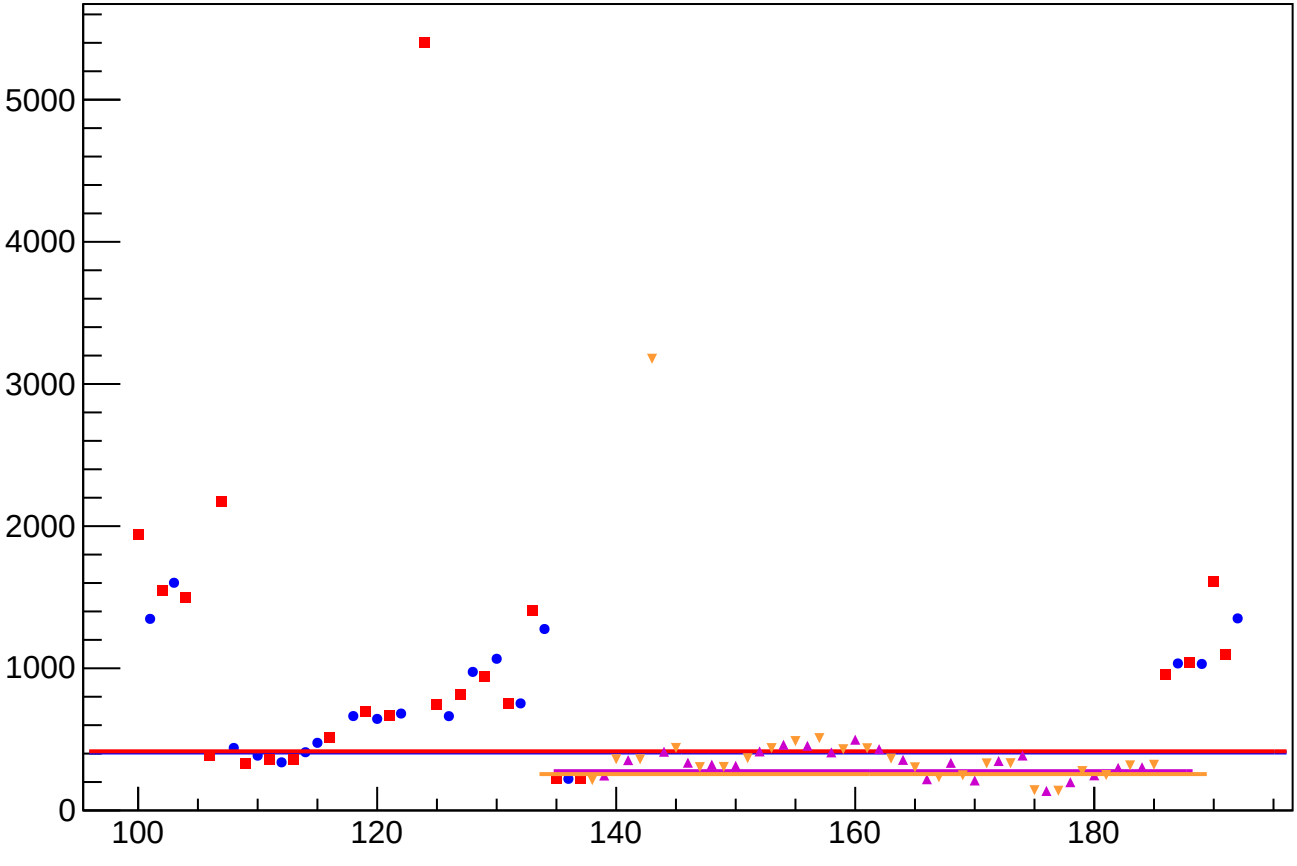
Right: -62.959+/-117.678 χ^2/NDF: 48.7/41

In: 44.610+/-63.652 χ^2/NDF:43.8/41

Out: -109.781+/-59.811 χ^2/NDF:72.3/47

All: -37.385+/-43.587 χ^2/NDF: 119.2/89

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: 416.011+/-0.117 χ^2/NDF: 6135691.9/22

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

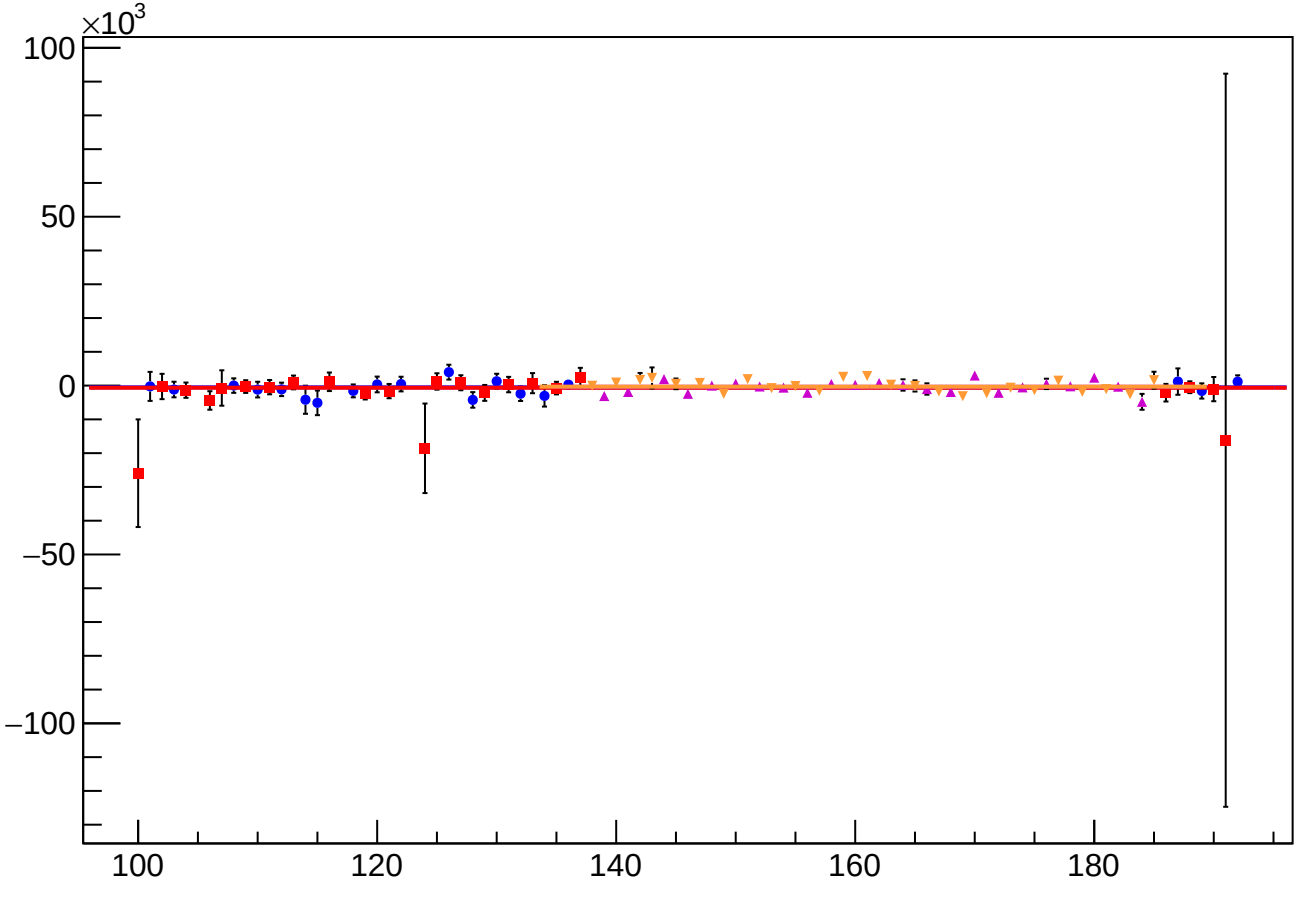
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 411.885+/-0.083 χ^2/NDF: 11959827.2/41

In: 295.358+/-0.045 χ^2/NDF:10905844.1/41

Out: 276.640+/-0.042 χ^2/NDF:14135737.6/47

All: 285.417+/-0.031 χ^2/NDF: 25133433.1/89



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: -631.249+/-522.213 χ^2/NDF: 11.7/22

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

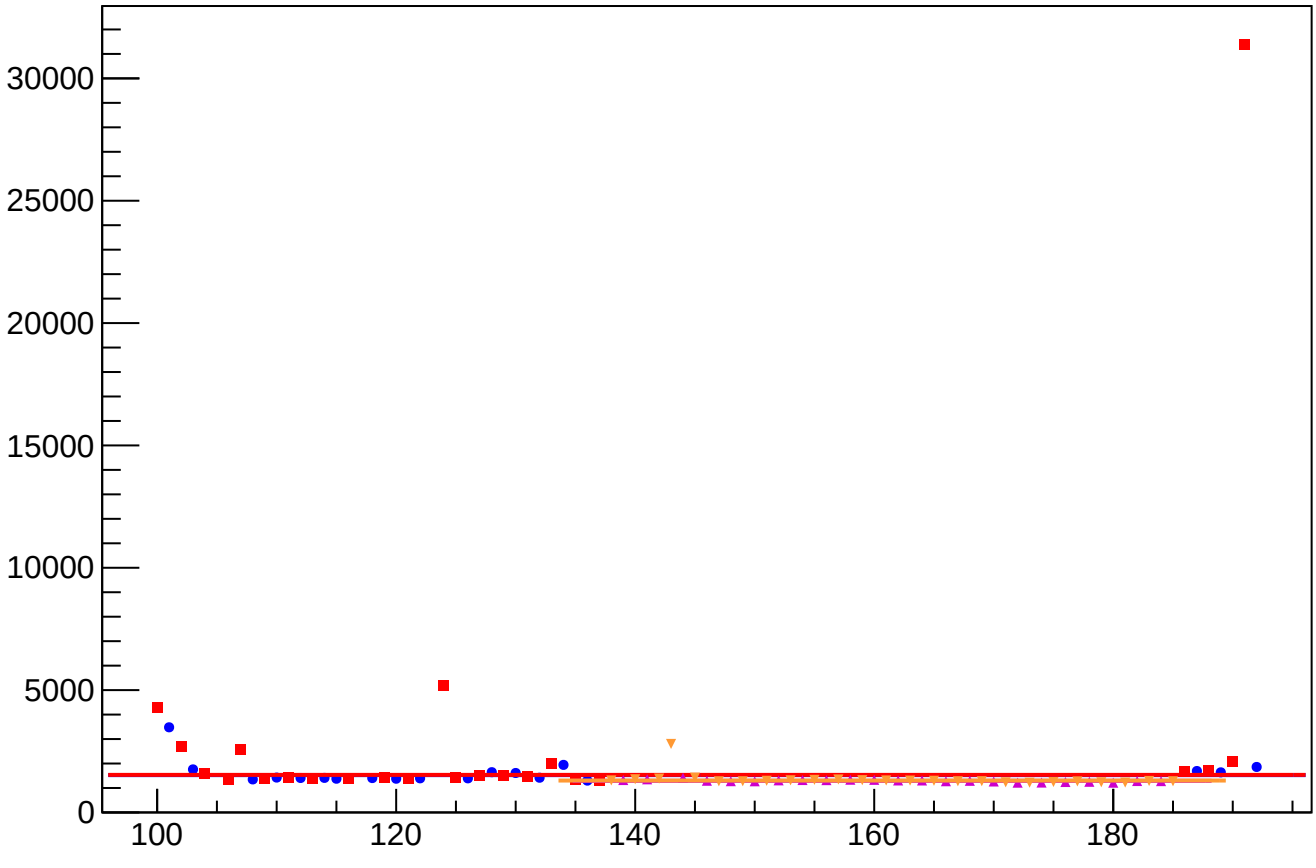
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -576.305+/-368.872 χ^2/NDF: 25.4/41

In: -397.901+/-261.230 χ^2/NDF:43.5/41

Out: -396.369+/-259.001 χ^2/NDF:43.5/47

All: -397.129+/-183.924 χ^2/NDF: 87.0/89



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: 1535.621+/-0.369 χ^2/NDF: 854439.4/22

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

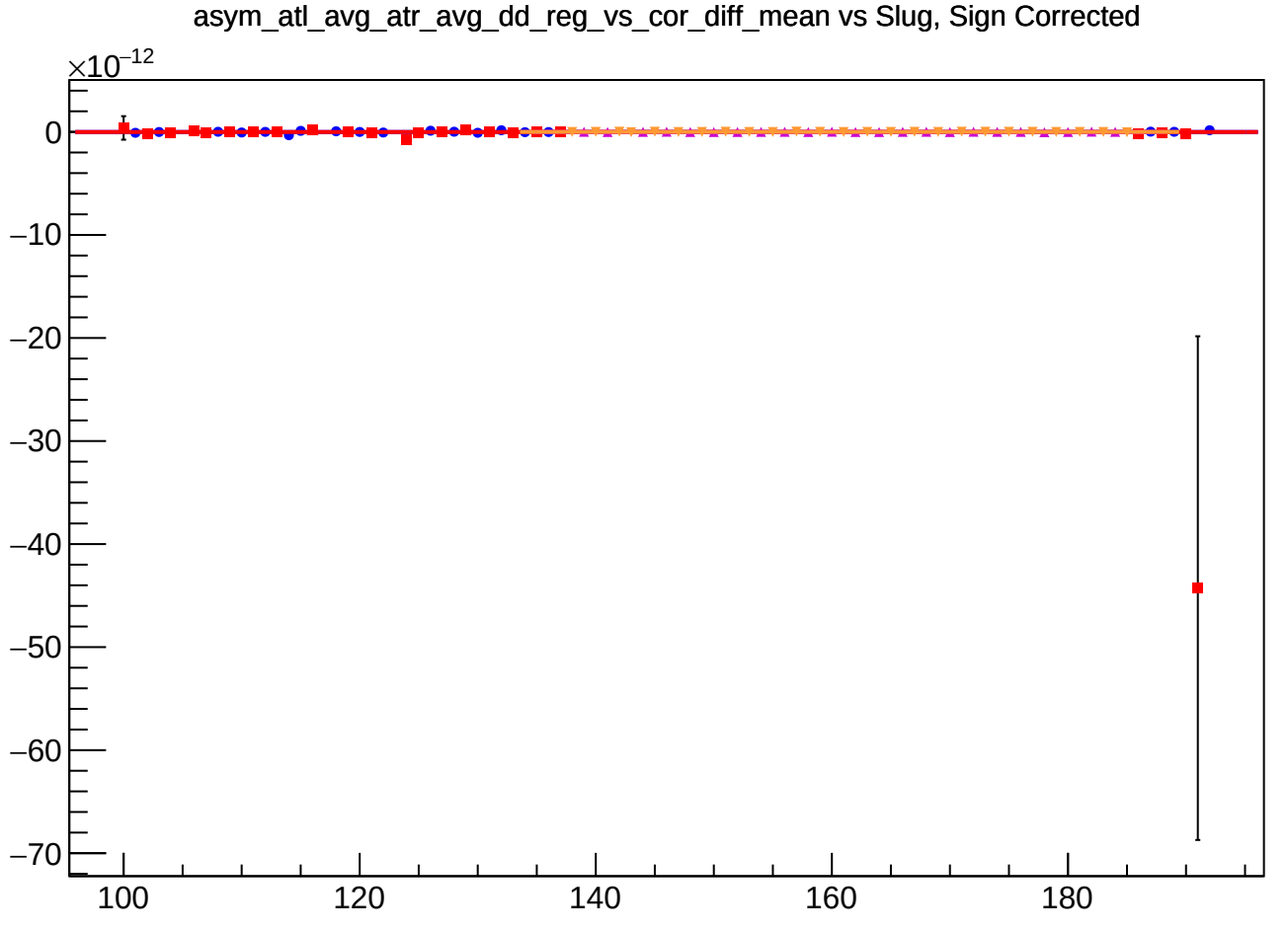
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1530.692+/-0.261 χ^2/NDF: 1520717.3/41

In: 1350.840+/-0.185 χ^2/NDF:1015320.4/41

Out: 1361.093+/-0.183 χ^2/NDF:1670318.8/47

All: 1356.010+/-0.130 χ^2/NDF: 2687192.9/89



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: 29.8/22

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

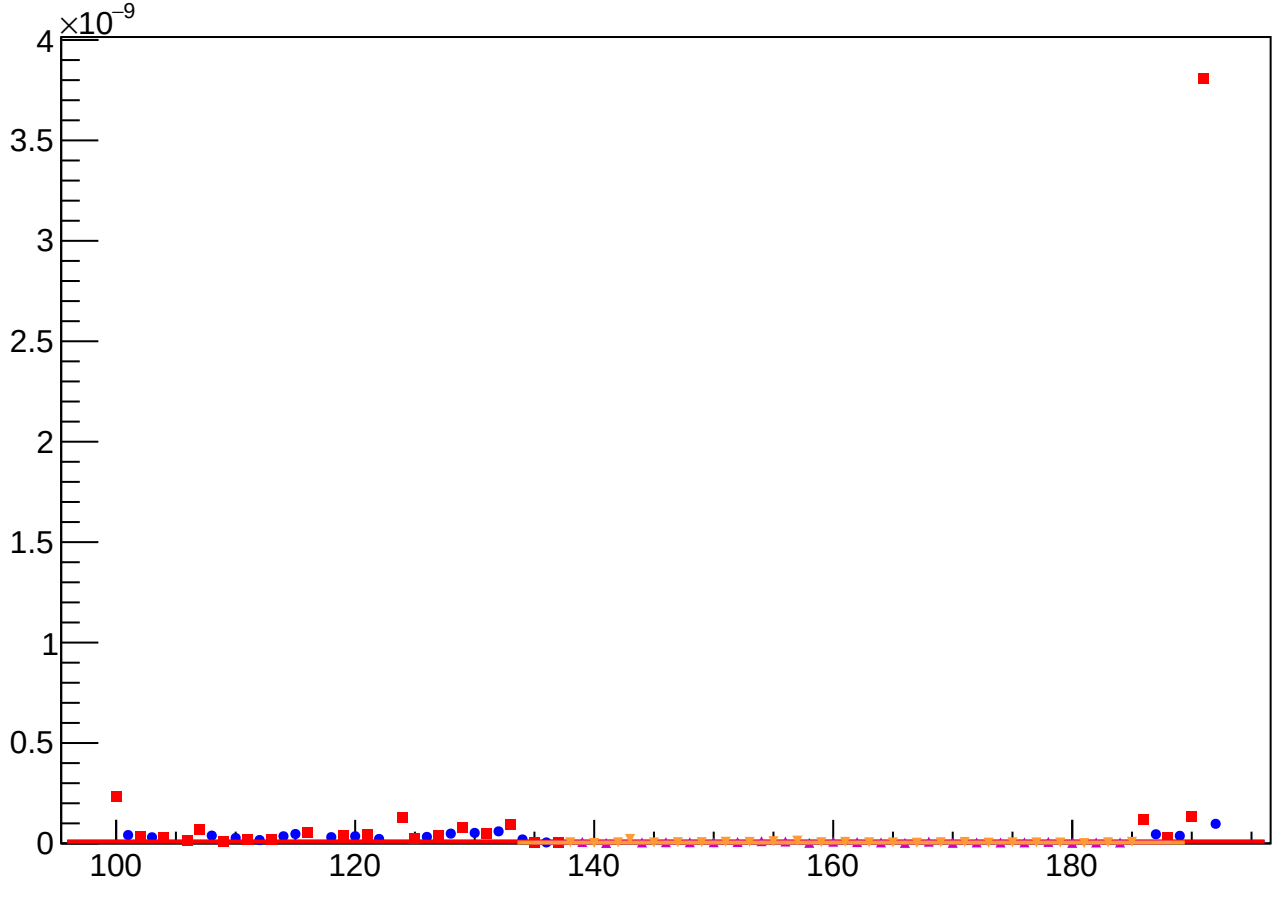
Right: -0.000+/-0.000 χ^2/NDF: 40.4/41

In: -0.000+/-0.000 χ^2/NDF:42.2/41

Out: -0.000+/-0.000 χ^2/NDF:56.6/47

All: -0.000+/-0.000 χ^2/NDF: 99.2/89

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: 4368254.1/22

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

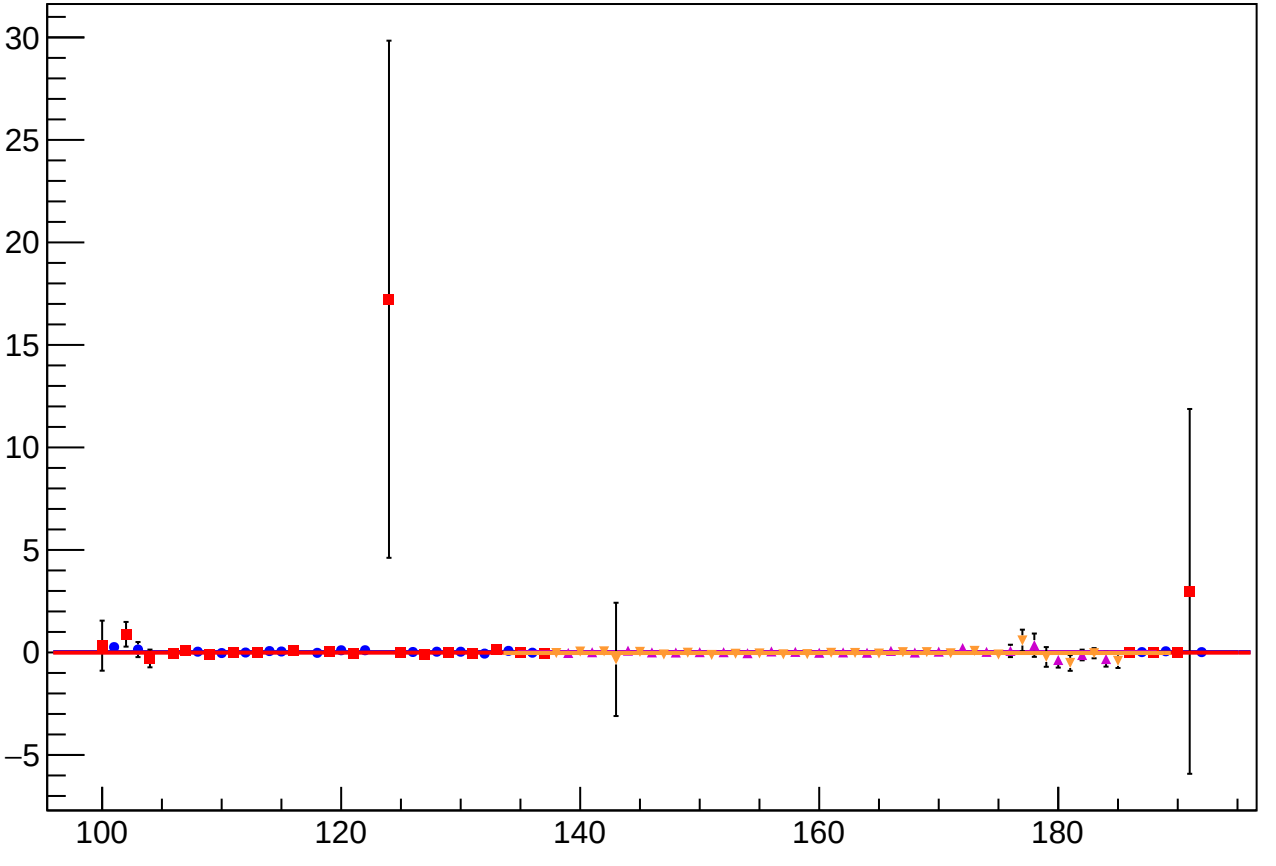
Right: 0.000+/-0.000 χ^2/NDF: 8252880.0/41

In: 0.000+/-0.000 χ^2/NDF:6314025.3/41

Out: 0.000+/-0.000 χ^2/NDF:7714050.7/47

All: 0.000+/-0.000 χ^2/NDF: 14055760.6/89

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: -0.009+/-0.014 χ^2/NDF: 16.6/22

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

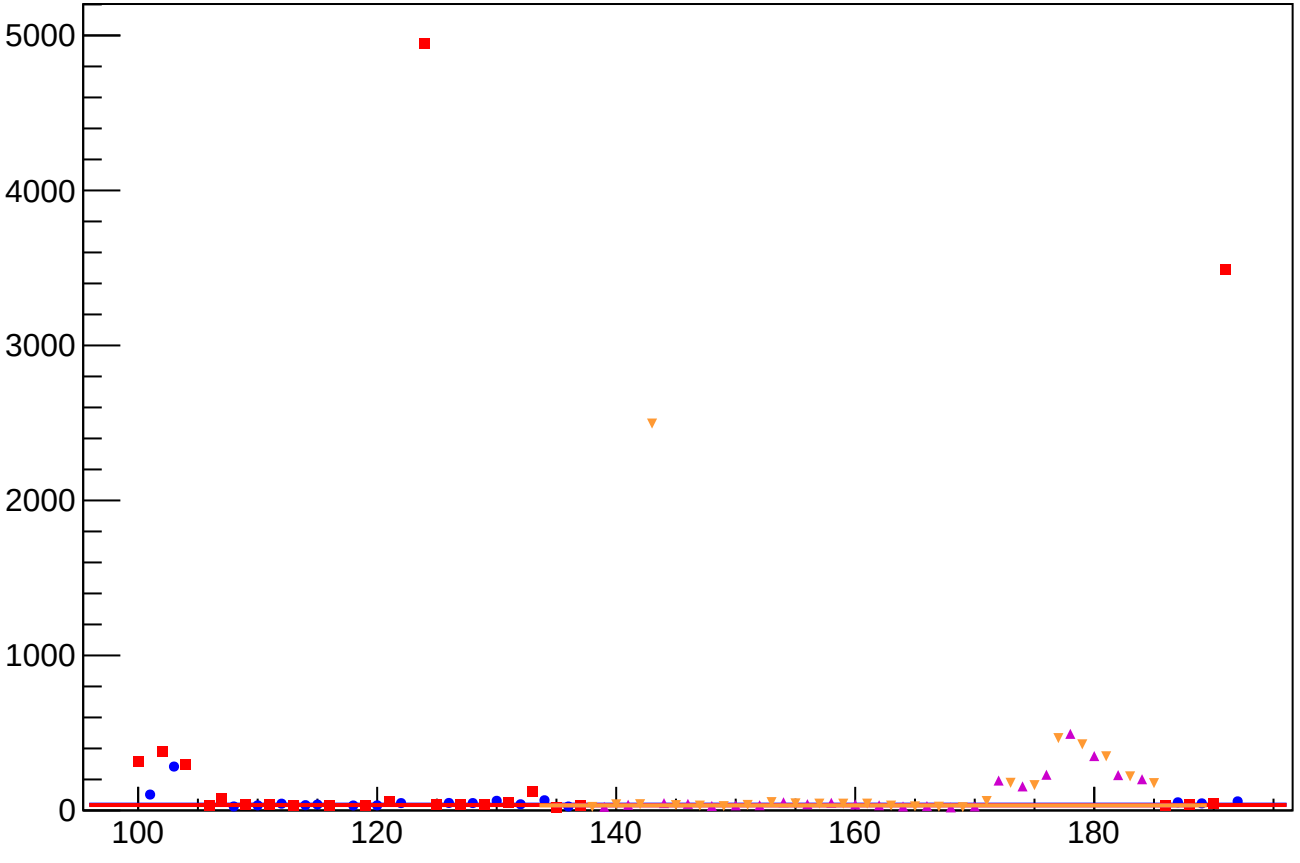
Right: 0.004+/-0.010 χ^2/NDF: 30.3/41

In: 0.013+/-0.008 χ^2/NDF:25.2/41

Out: -0.022+/-0.008 χ^2/NDF:45.9/47

All: -0.005+/-0.006 χ^2/NDF: 80.9/89

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: 34.926+/-0.010 χ^2/NDF: 3281767.8/22

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

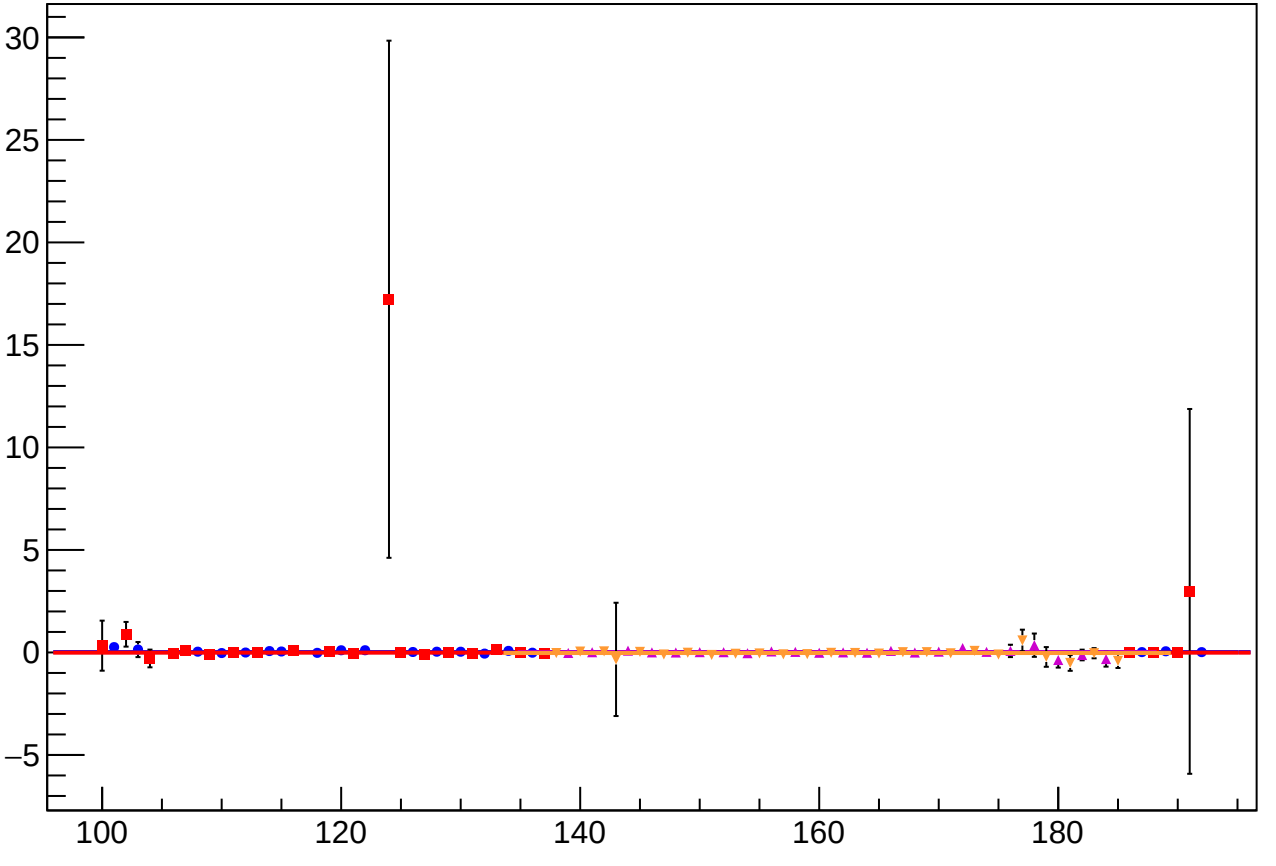
Right: 36.142+/-0.007 χ^2/NDF: 5858759.2/41

In: 34.149+/-0.006 χ^2/NDF:11656411.1/41

Out: 33.310+/-0.006 χ^2/NDF:14193344.9/47

All: 33.723+/-0.004 χ^2/NDF: 25860999.8/89

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: -0.009+/-0.014 χ^2/NDF: 16.6/22

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

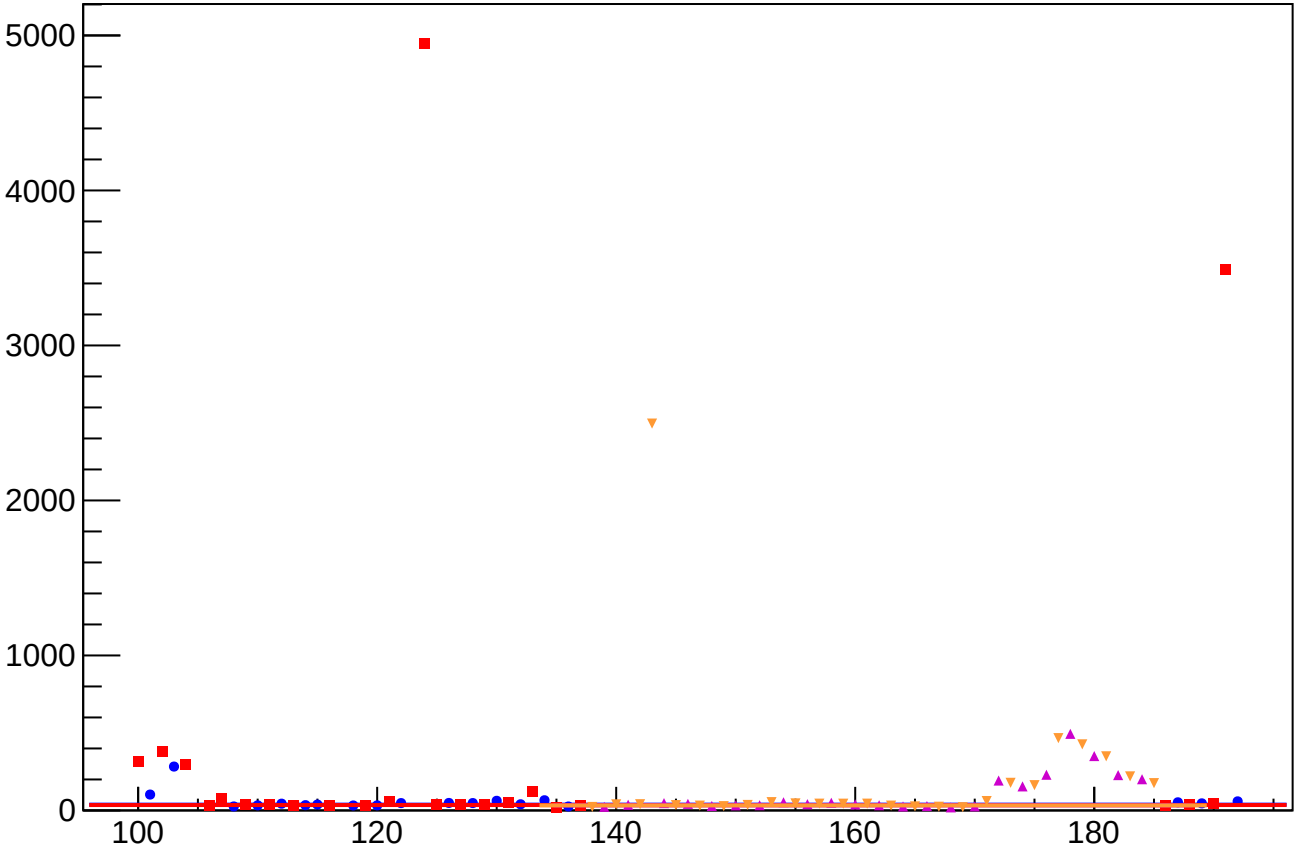
Right: 0.004+/-0.010 χ^2/NDF: 30.3/41

In: 0.013+/-0.008 χ^2/NDF:25.2/41

Out: -0.022+/-0.008 χ^2/NDF:45.9/47

All: -0.005+/-0.006 χ^2/NDF: 80.9/89

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: 34.926+/-0.010 χ^2/NDF: 3281767.8/22

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

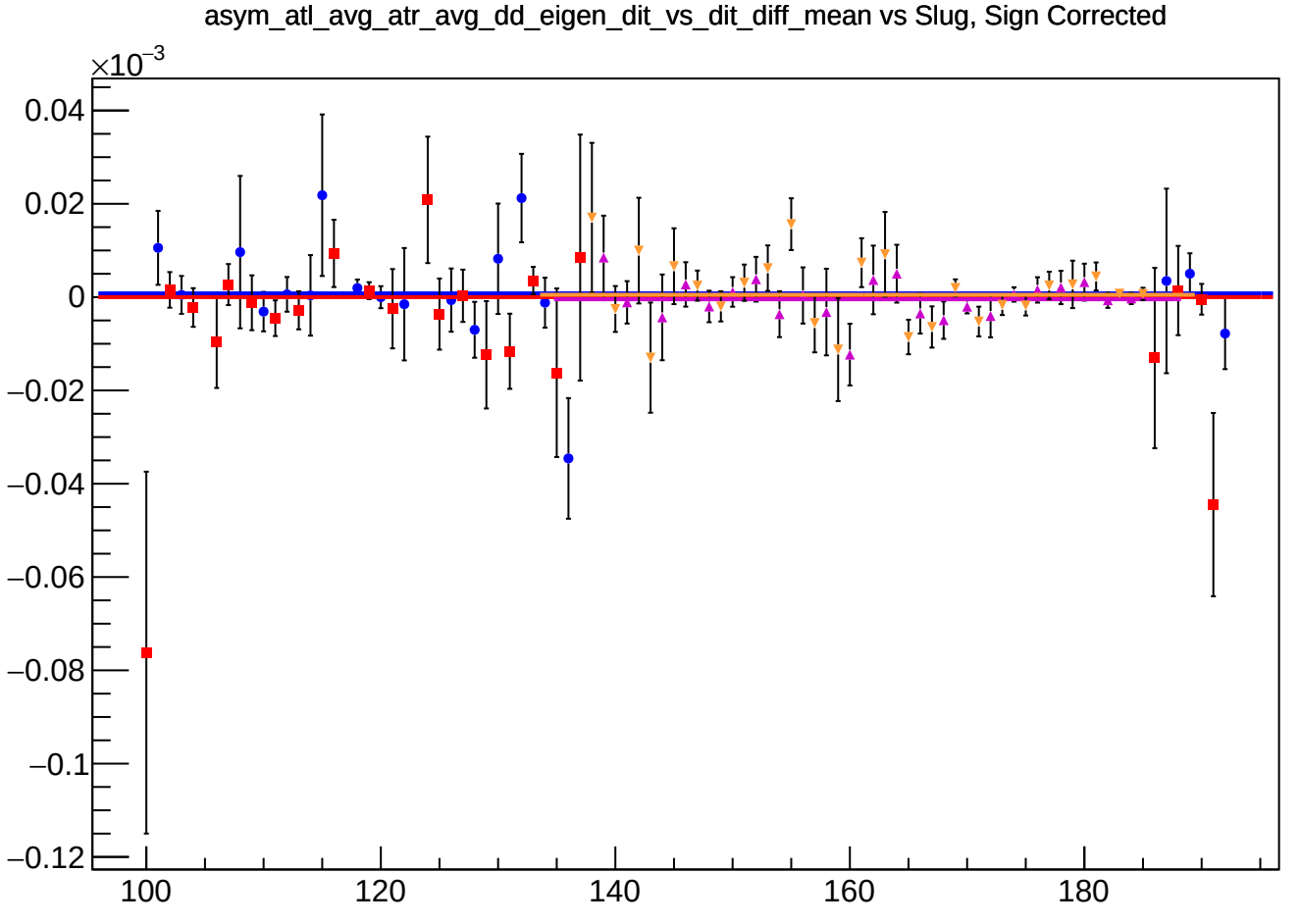
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 36.142+/-0.007 χ^2/NDF: 5858759.2/41

In: 34.149+/-0.006 χ^2/NDF:11656411.1/41

Out: 33.310+/-0.006 χ^2/NDF:14193344.9/47

All: 33.723+/-0.004 χ^2/NDF: 25860999.8/89



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: 23.7/22

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

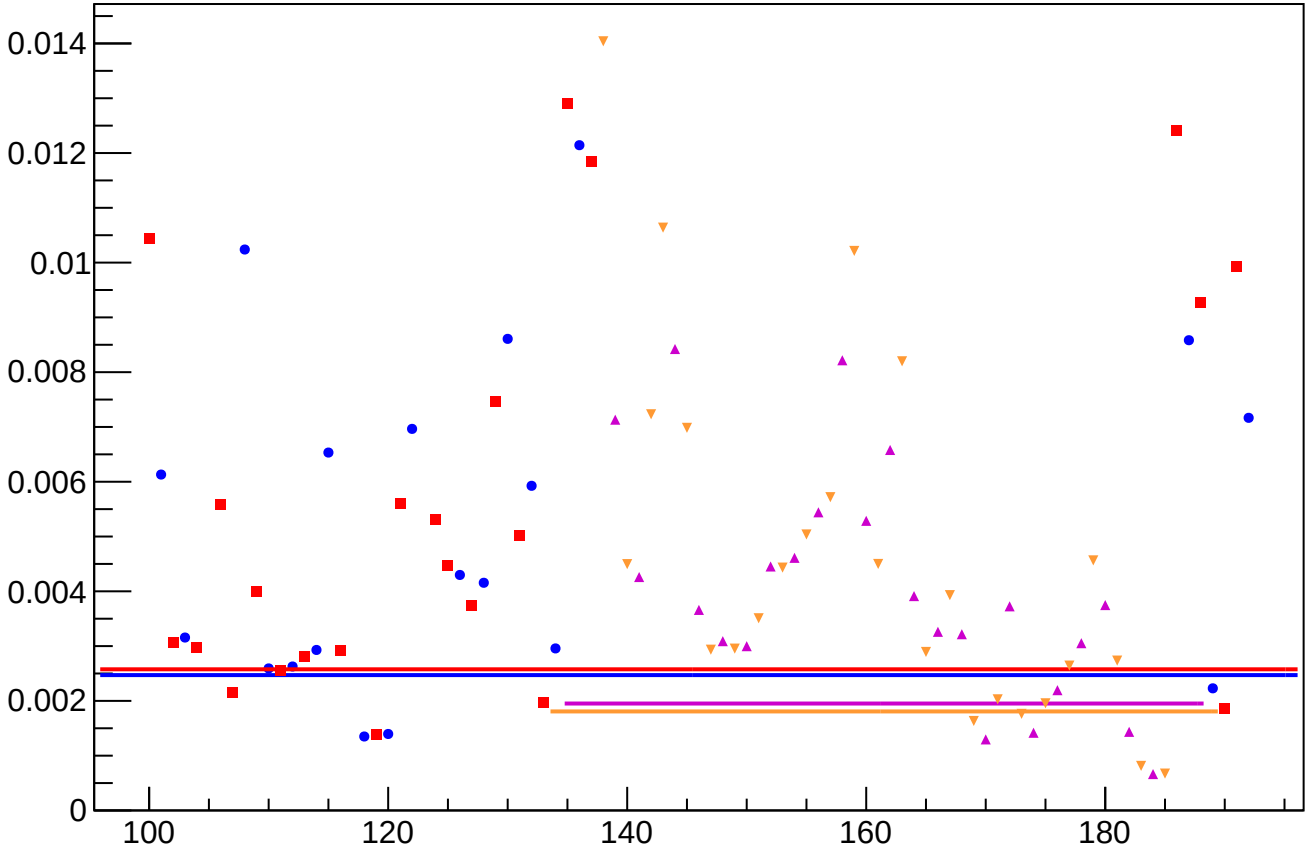
Right: 0.000+/-0.000 χ^2/NDF: 45.4/41

In: -0.000+/-0.000 χ^2/NDF:36.1/41

Out: 0.000+/-0.000 χ^2/NDF:59.7/47

All: 0.000+/-0.000 χ^2/NDF: 96.4/89

asym_atl_avg_atr_avg_dd_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: 5274953.9/22

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

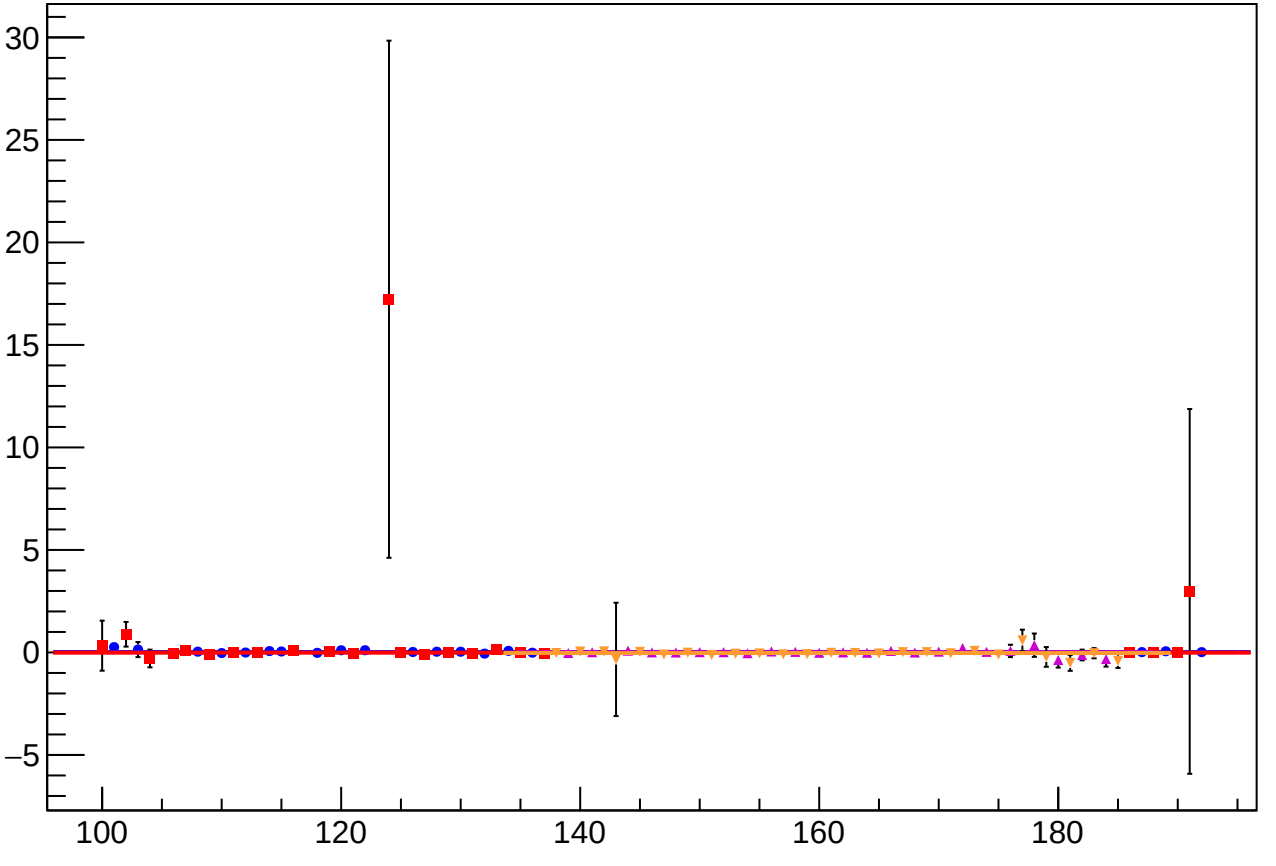
Right: 0.003+/-0.000 χ^2/NDF: 10979645.4/41

In: 0.002+/-0.000 χ^2/NDF:17539062.1/41

Out: 0.002+/-0.000 χ^2/NDF:21120734.3/47

All: 0.002+/-0.000 χ^2/NDF: 38692907.4/89

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: -0.009+/-0.014 χ^2/NDF: 16.6/22

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

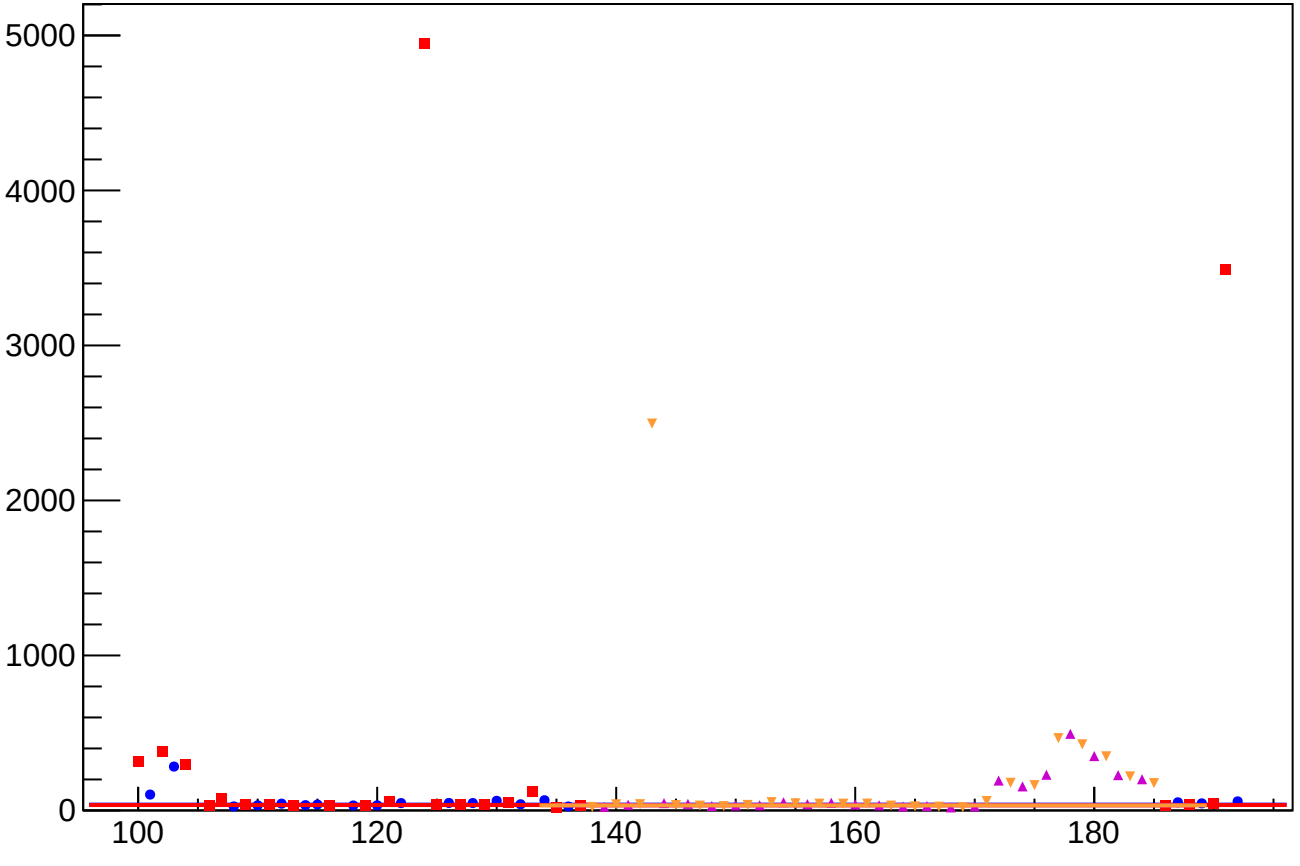
Right: 0.004+/-0.010 χ^2/NDF: 30.3/41

In: 0.013+/-0.008 χ^2/NDF:25.2/41

Out: -0.022+/-0.008 χ^2/NDF:45.9/47

All: -0.005+/-0.006 χ^2/NDF: 80.9/89

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: 34.927+/-0.010 χ^2/NDF: 3281579.6/22

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

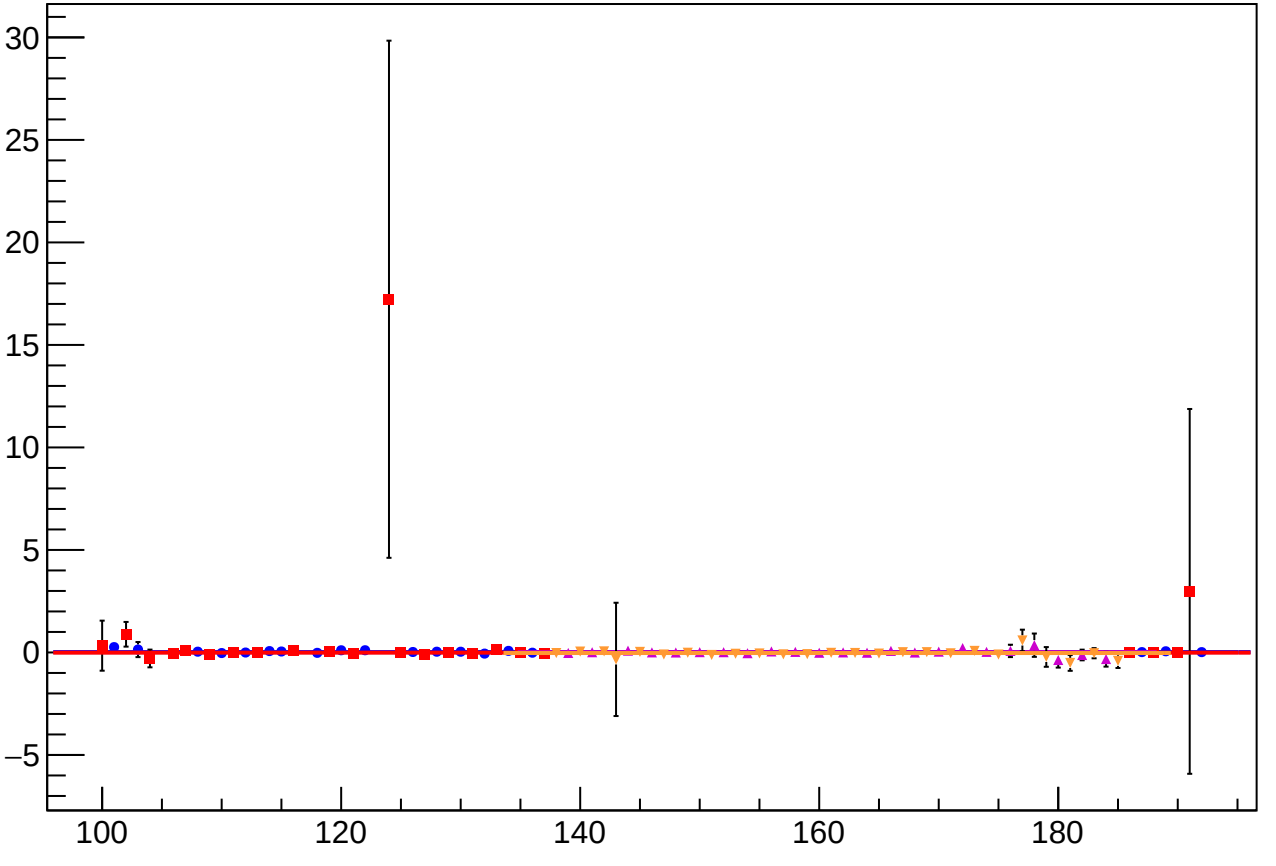
Right: 36.142+/-0.007 χ^2/NDF: 5858220.3/41

In: 34.148+/-0.006 χ^2/NDF:11656832.1/41

Out: 33.310+/-0.006 χ^2/NDF:14193430.8/47

All: 33.723+/-0.004 χ^2/NDF: 25861492.2/89

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: -0.009+/-0.014 χ^2/NDF: 16.6/22

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

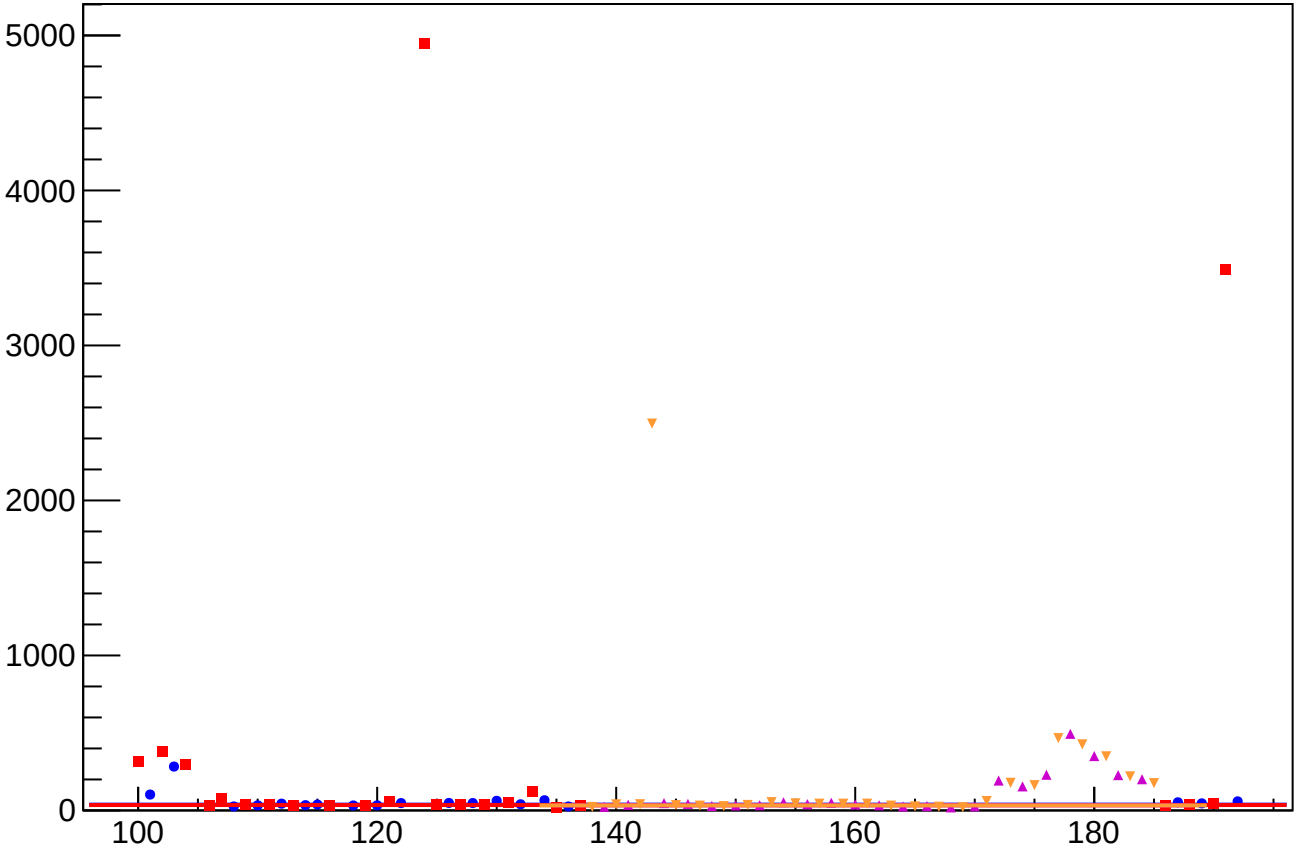
Right: 0.004+/-0.010 χ^2/NDF: 30.3/41

In: 0.013+/-0.008 χ^2/NDF:25.2/41

Out: -0.022+/-0.008 χ^2/NDF:45.9/47

All: -0.005+/-0.006 χ^2/NDF: 80.9/89

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: 34.927+/-0.010 χ^2/NDF: 3281579.6/22

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

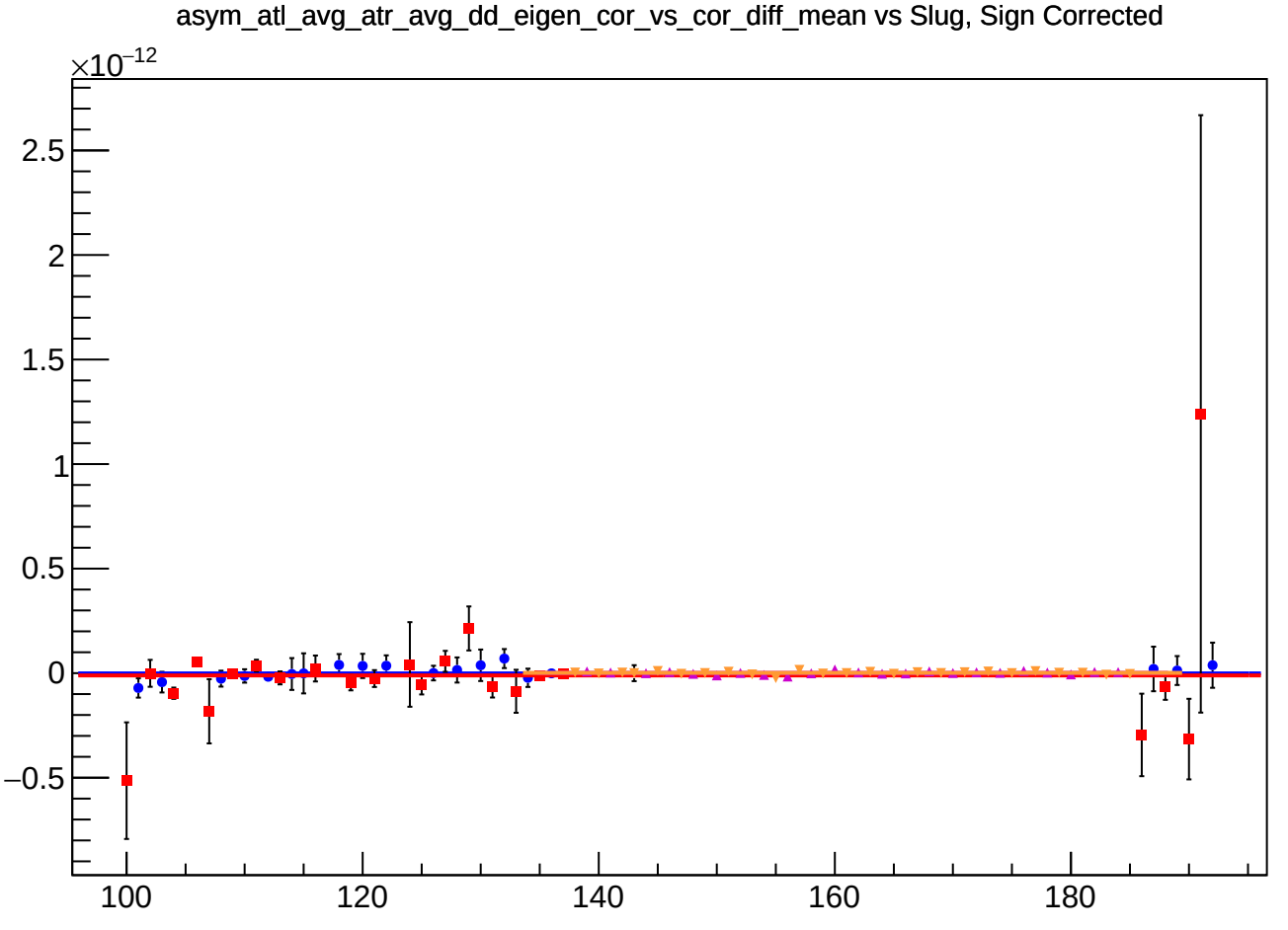
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 36.142+/-0.007 χ^2/NDF: 5858220.3/41

In: 34.148+/-0.006 χ^2/NDF:11656832.1/41

Out: 33.310+/-0.006 χ^2/NDF:14193430.8/47

All: 33.723+/-0.004 χ^2/NDF: 25861492.2/89



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: 45.9/22

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

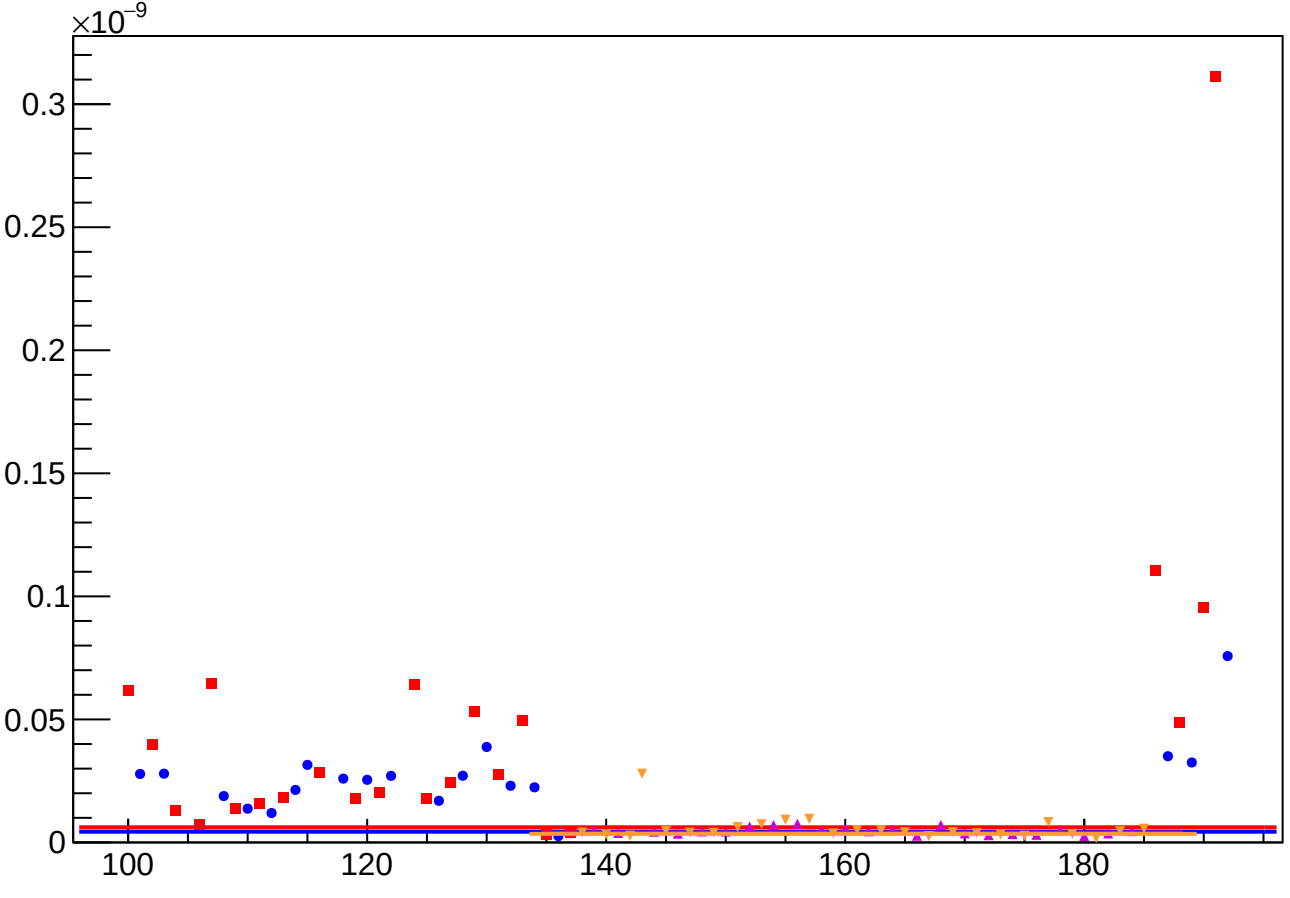
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 57.9/41

In: 0.000+/-0.000 χ^2/NDF:38.0/41

Out: 0.000+/-0.000 χ^2/NDF:72.1/47

All: 0.000+/-0.000 χ^2/NDF: 110.1/89



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: 6814308.9/22

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

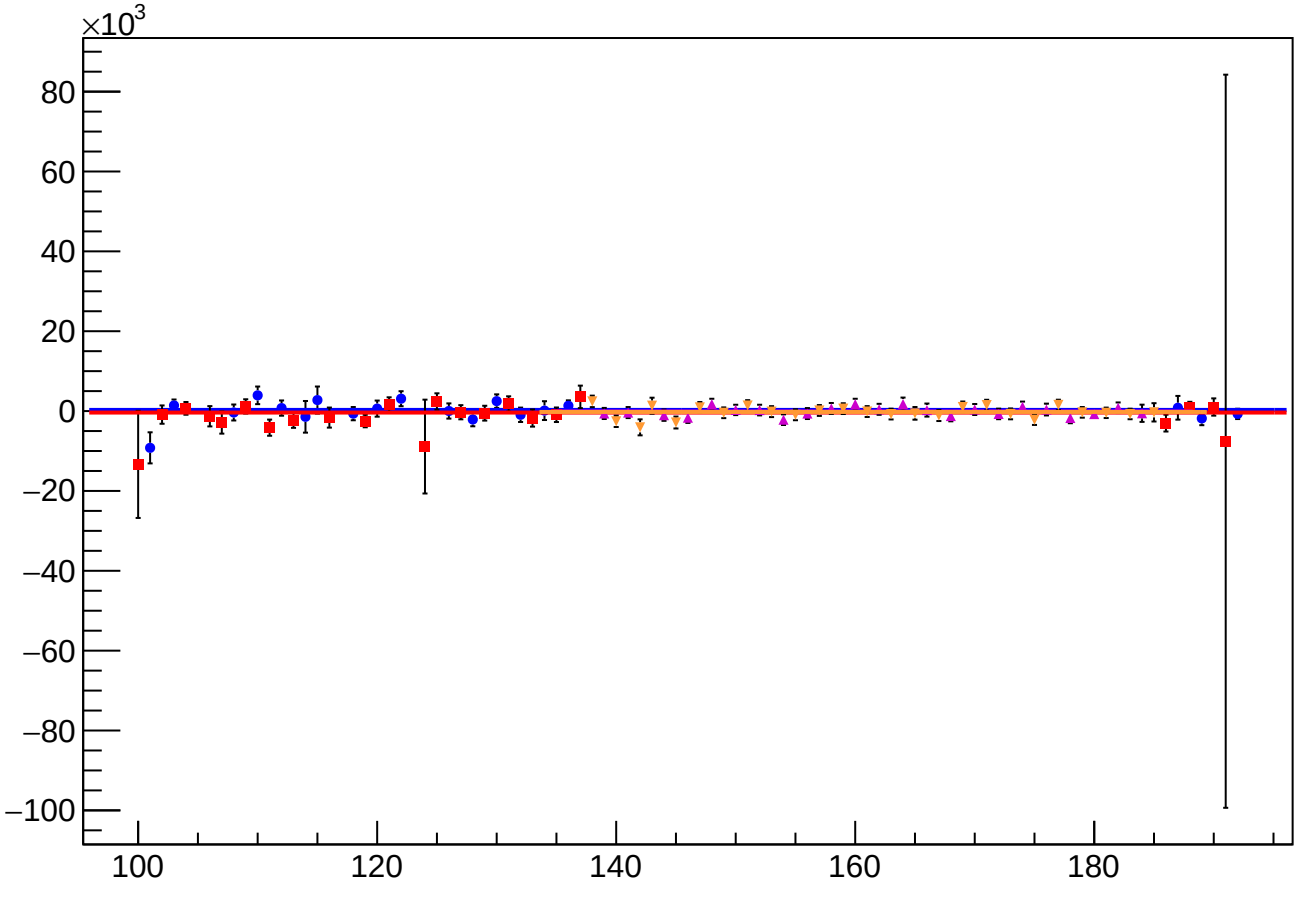
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 13488269.6/41

In: 0.000+/-0.000 χ^2/NDF:8553093.6/41

Out: 0.000+/-0.000 χ^2/NDF:12270244.3/47

All: 0.000+/-0.000 χ^2/NDF: 20938963.3/89



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: -371.874+/-433.859 χ^2/NDF: 19.9/22

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

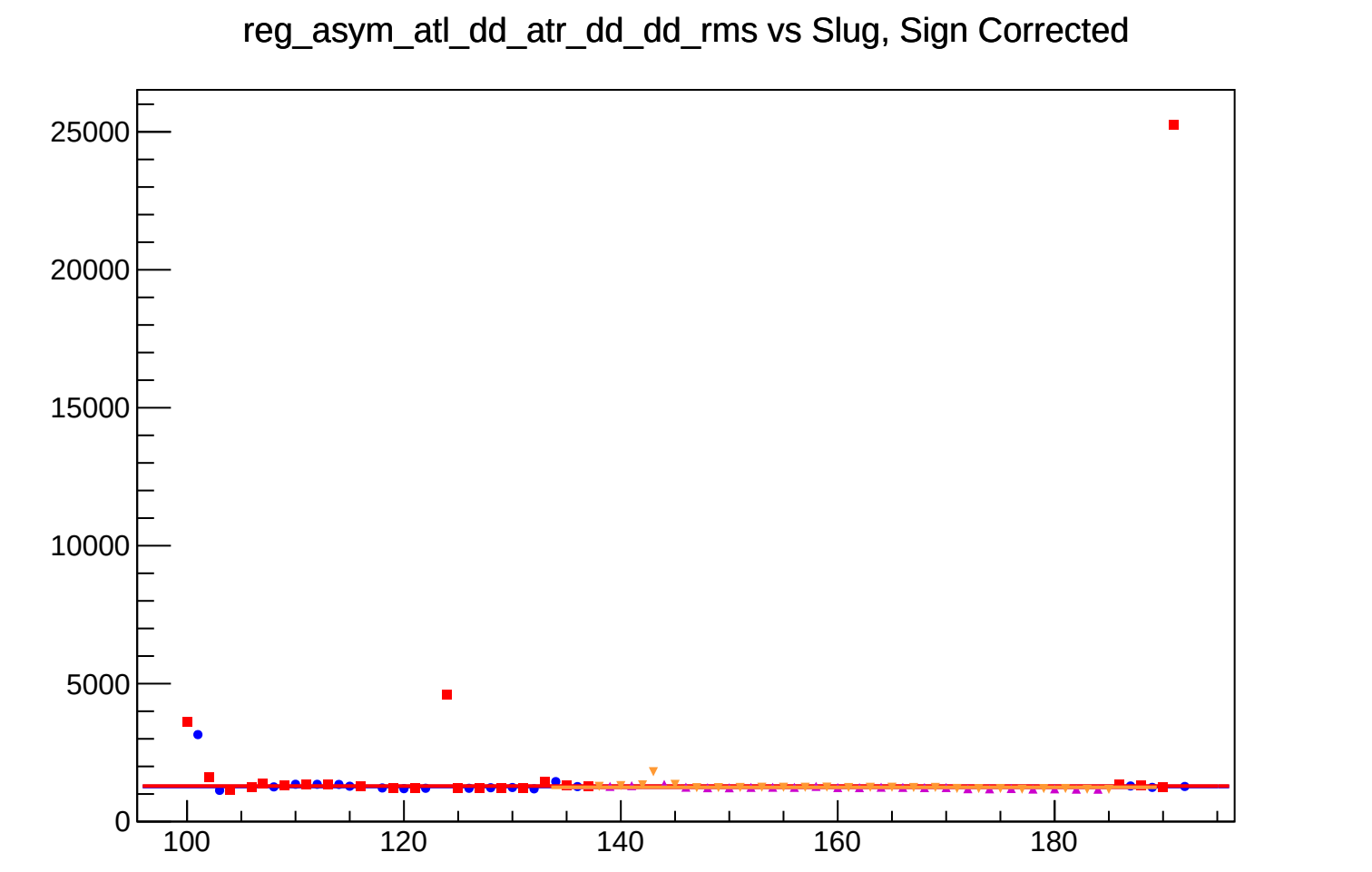
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -39.041+/-306.180 χ^2/NDF: 40.7/41

In: 25.689+/-239.782 χ^2/NDF:34.9/41

Out: -265.850+/-237.064 χ^2/NDF:43.9/47

All: -121.742+/-168.582 χ^2/NDF: 79.5/89



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: 1289.209+/-0.307 χ^2/NDF: 466930.4/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

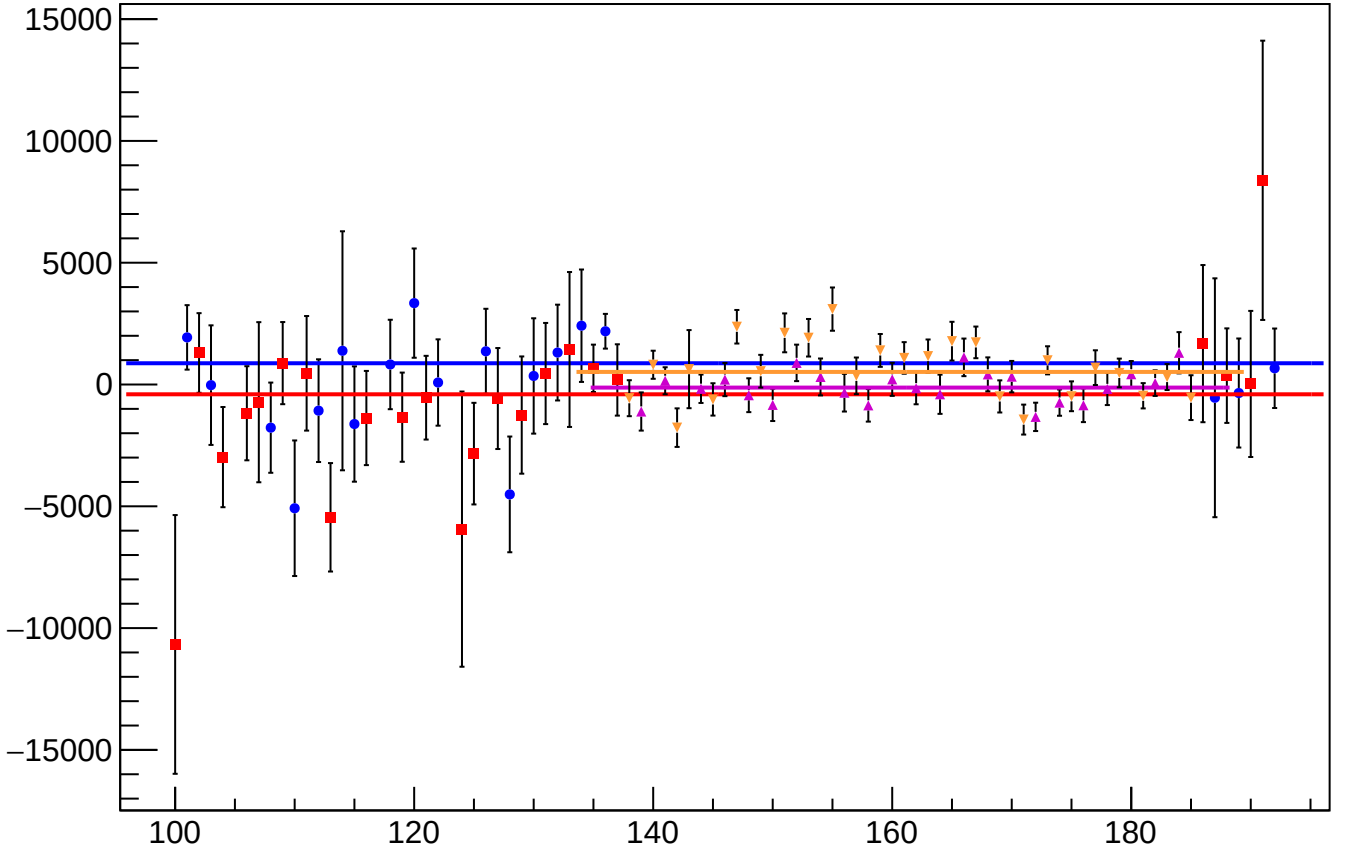
Right: 1280.111+/-0.217 χ^2/NDF: 988778.8/41

In: 1245.245+/-0.170 χ^2/NDF:569708.5/41

Out: 1256.673+/-0.168 χ^2/NDF:686264.2/47

All: 1251.025+/-0.119 χ^2/NDF: 1258270.1/89

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



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: -401.721+/-419.932 χ^2/NDF: 20.2/22

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

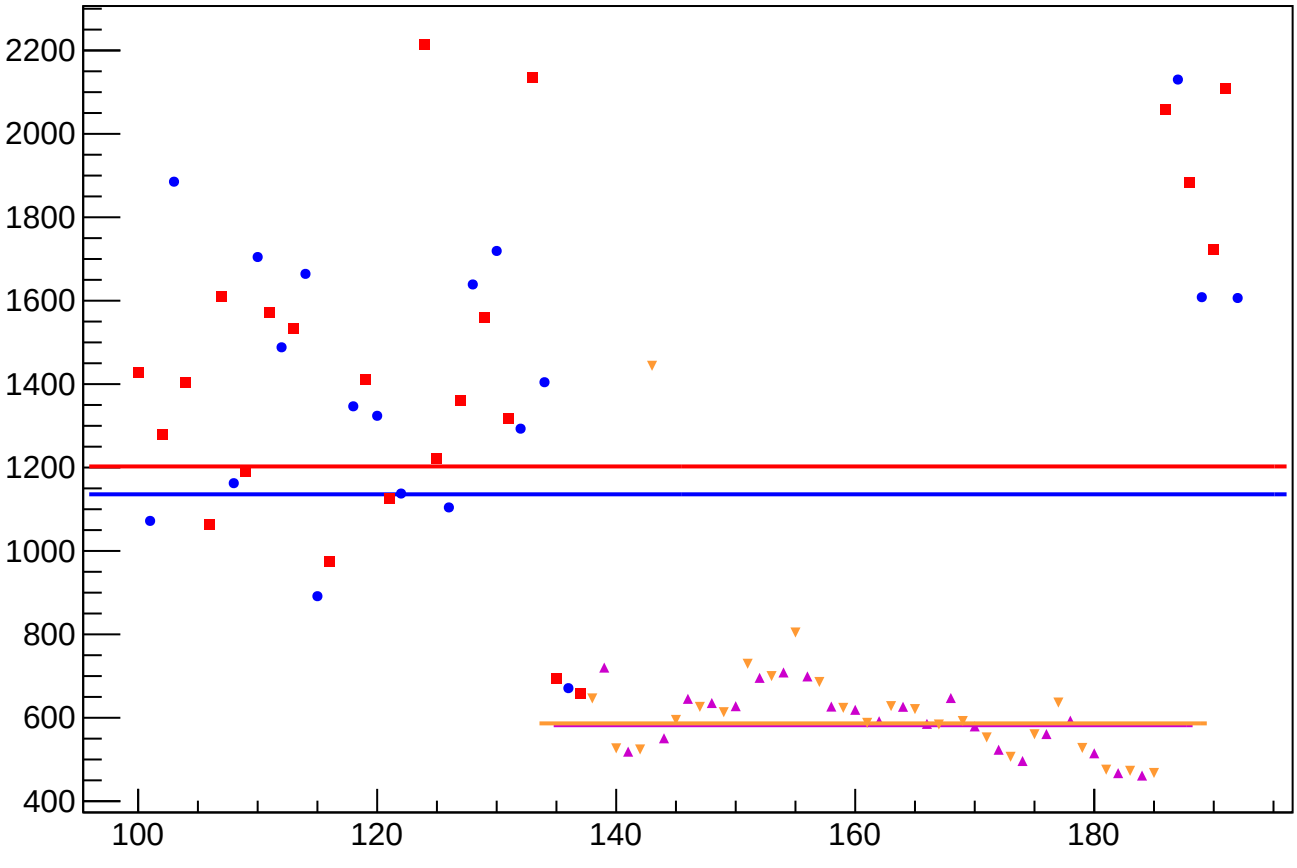
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 260.414+/-291.084 χ^2/NDF: 45.3/41

In: -23.070+/-129.964 χ^2/NDF:47.4/41

Out: 429.892+/-129.165 χ^2/NDF:91.6/47

All: 204.808+/-91.615 χ^2/NDF: 145.0/89



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: 1202.605+/-0.297 χ^2/NDF: 1837343.8/22

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

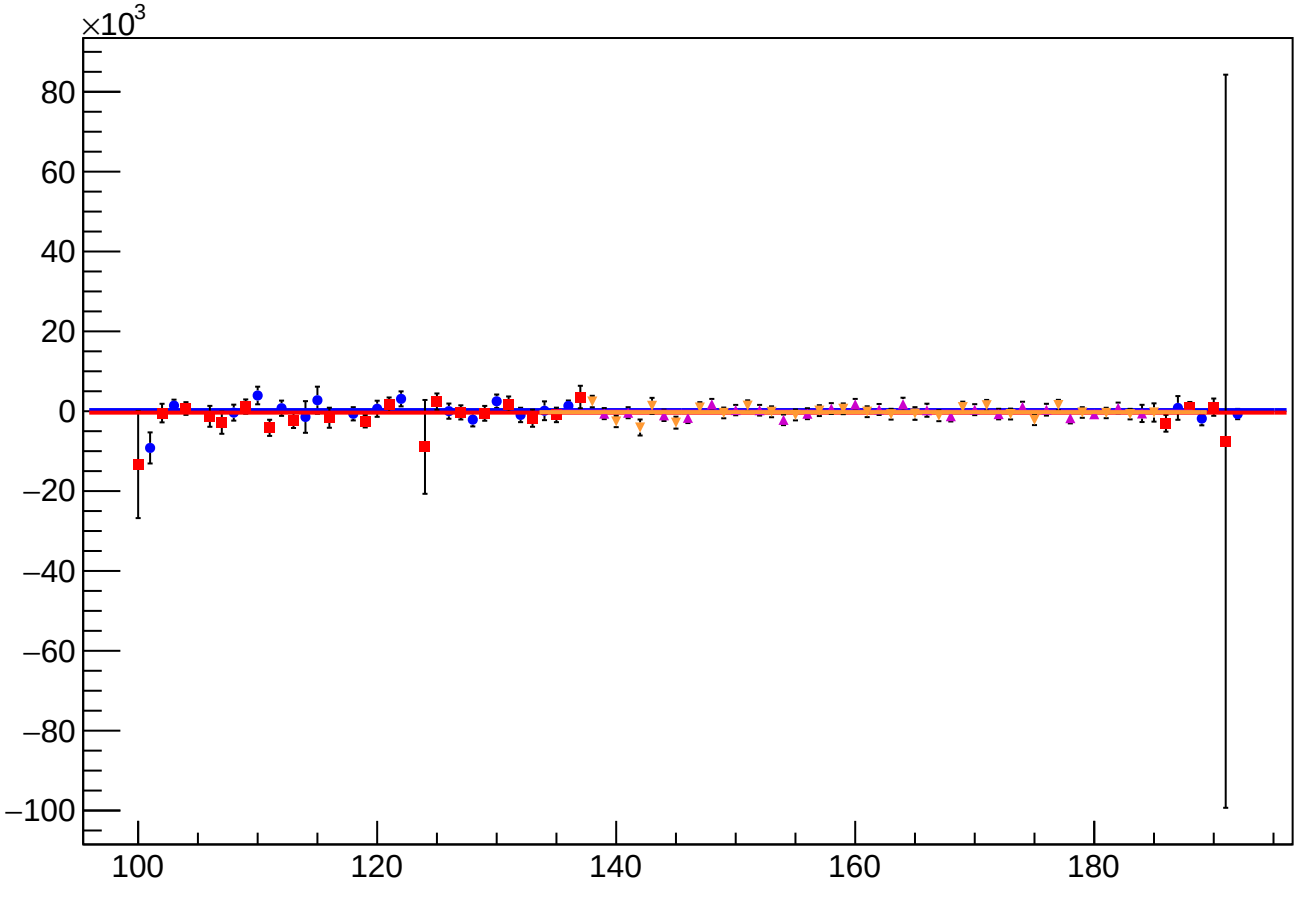
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1167.893+/-0.206 χ^2/NDF: 3719175.8/41

In: 639.523+/-0.092 χ^2/NDF:5783804.1/41

Out: 644.841+/-0.091 χ^2/NDF:6937328.8/47

All: 642.199+/-0.065 χ^2/NDF: 12722817.5/89



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: -354.801+/-434.460 χ^2/NDF: 19.8/22

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

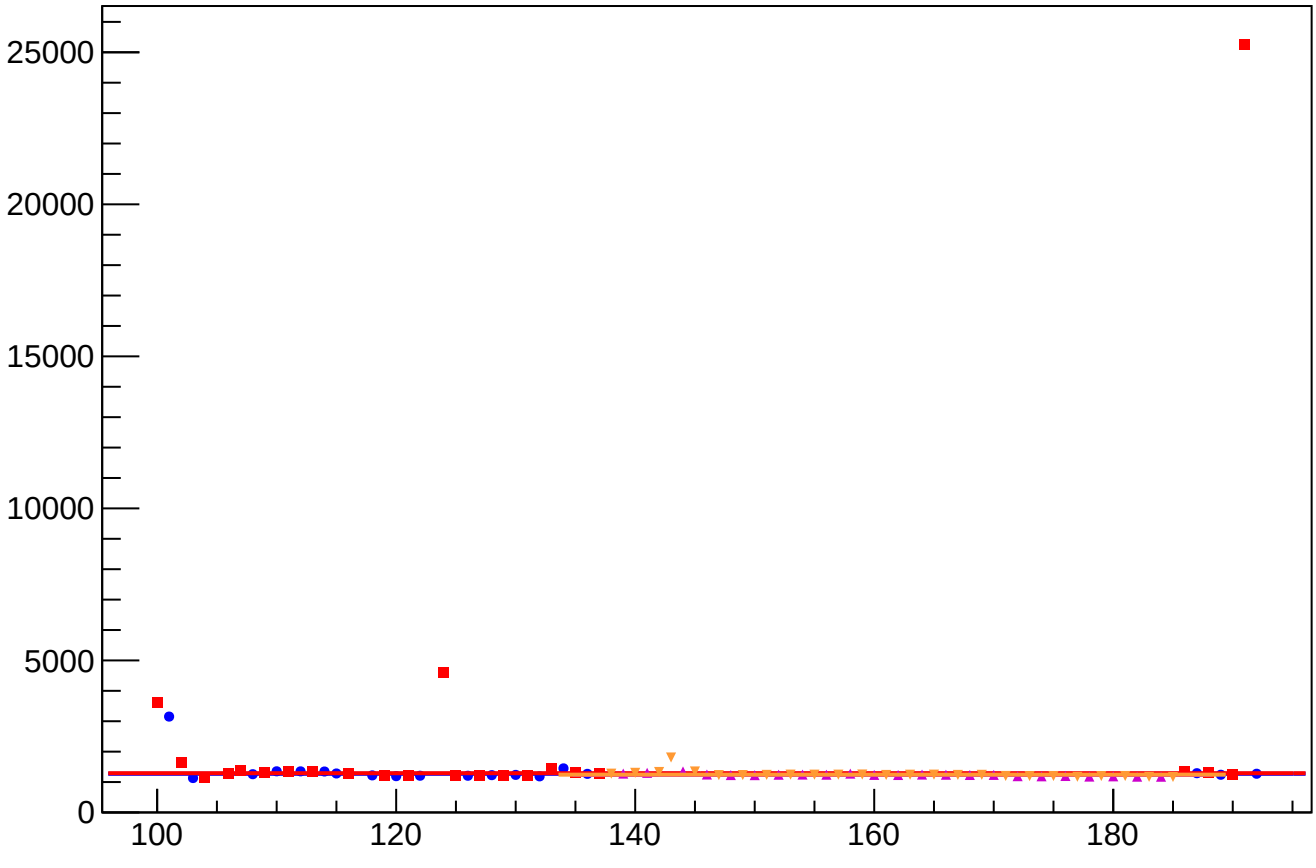
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -29.957+/-306.391 χ^2/NDF: 40.5/41

In: 25.723+/-239.782 χ^2/NDF:34.8/41

Out: -260.699+/-237.162 χ^2/NDF:43.8/47

All: -119.062+/-168.617 χ^2/NDF: 79.3/89



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: 1291.093+/-0.307 χ^2/NDF: 473322.5/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

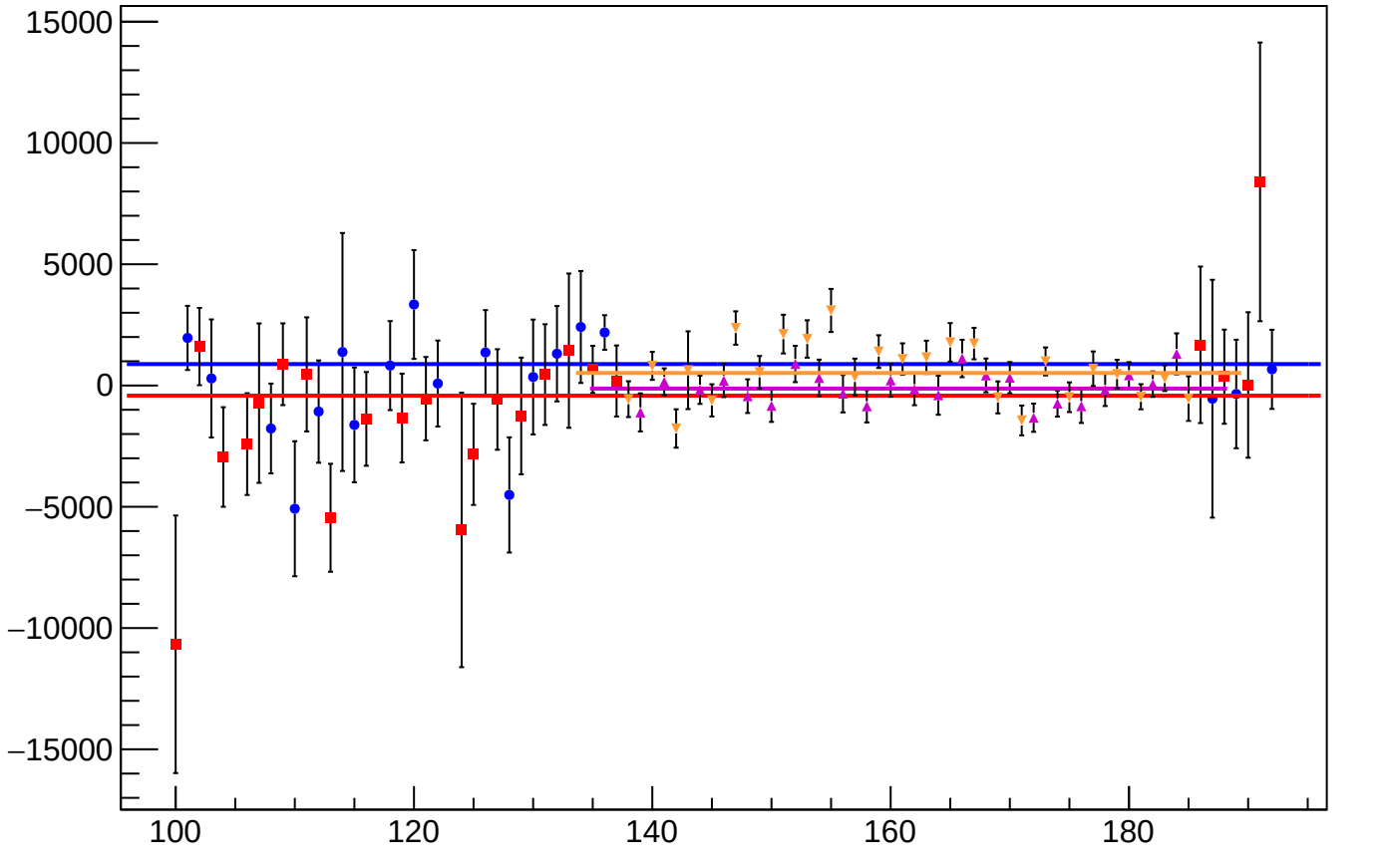
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1281.035+/-0.217 χ^2/NDF: 995552.5/41

In: 1245.245+/-0.170 χ^2/NDF:569709.8/41

Out: 1257.208+/-0.168 χ^2/NDF:693951.7/47

All: 1251.292+/-0.119 χ^2/NDF: 1266177.8/89



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: -417.122+/-420.678 χ^2/NDF: 21.4/22

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

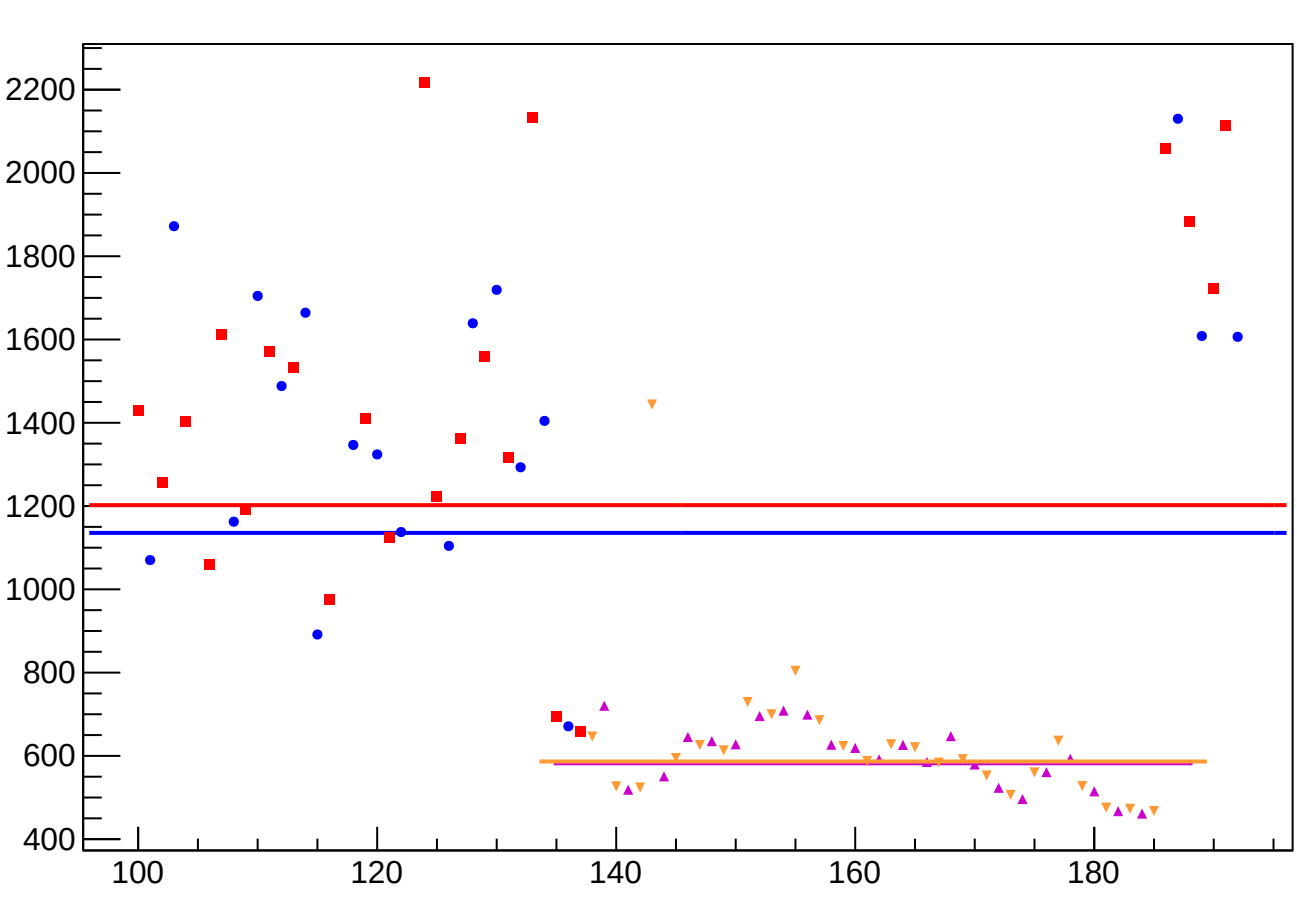
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 260.224+/-291.275 χ^2/NDF: 46.7/41

In: -21.824+/-129.959 χ^2/NDF:47.5/41

Out: 428.735+/-129.188 χ^2/NDF:92.9/47

All: 204.796+/-91.621 χ^2/NDF: 146.5/89



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: 1202.187+/-0.297 χ^2/NDF: 1834440.2/22

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

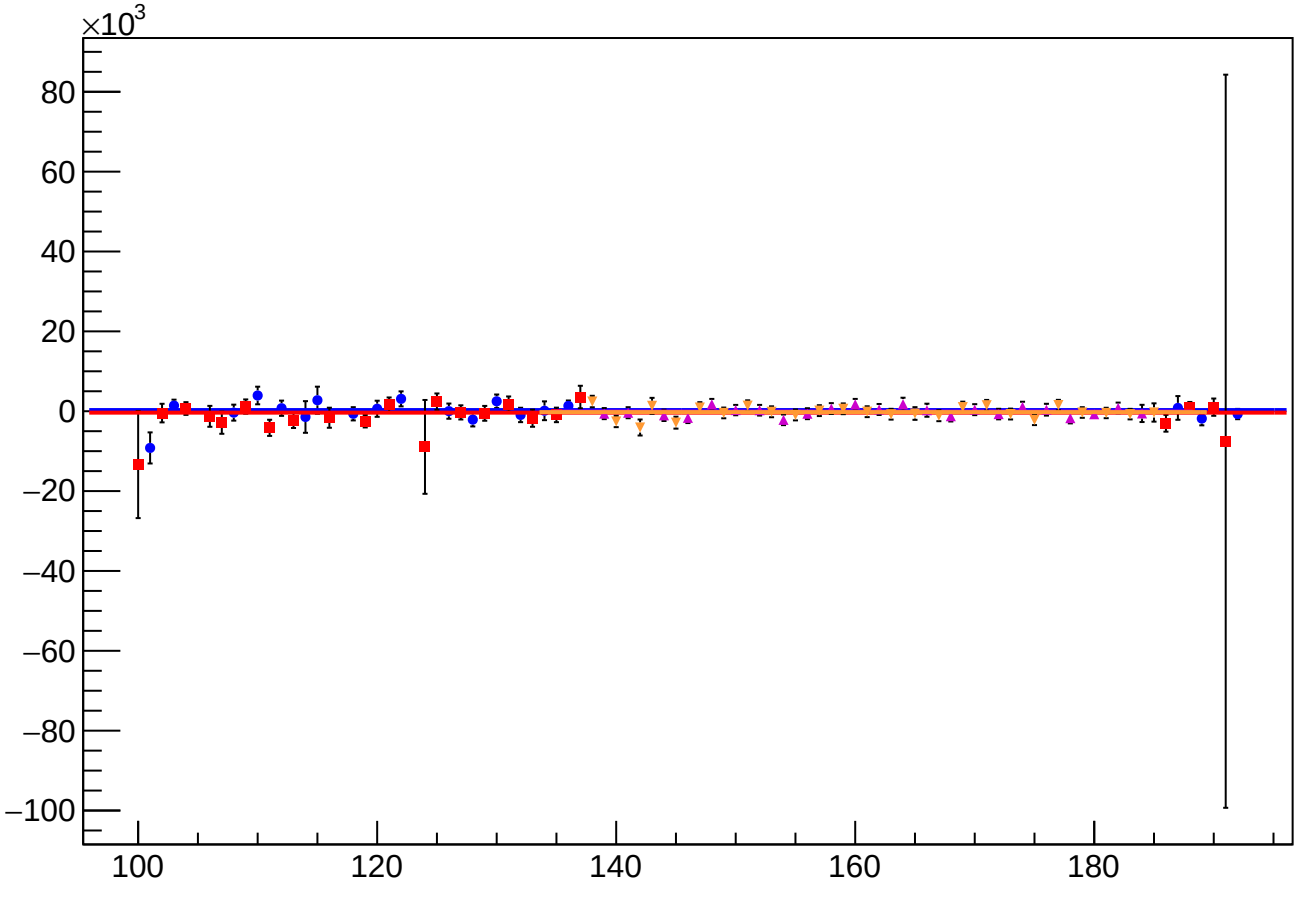
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1167.511+/-0.206 χ^2/NDF: 3712821.3/41

In: 639.538+/-0.092 χ^2/NDF:5780255.9/41

Out: 644.619+/-0.091 χ^2/NDF:6916480.0/47

All: 642.094+/-0.065 χ^2/NDF: 12698273.8/89



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: -354.801+/-434.460 χ^2/NDF: 19.8/22

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

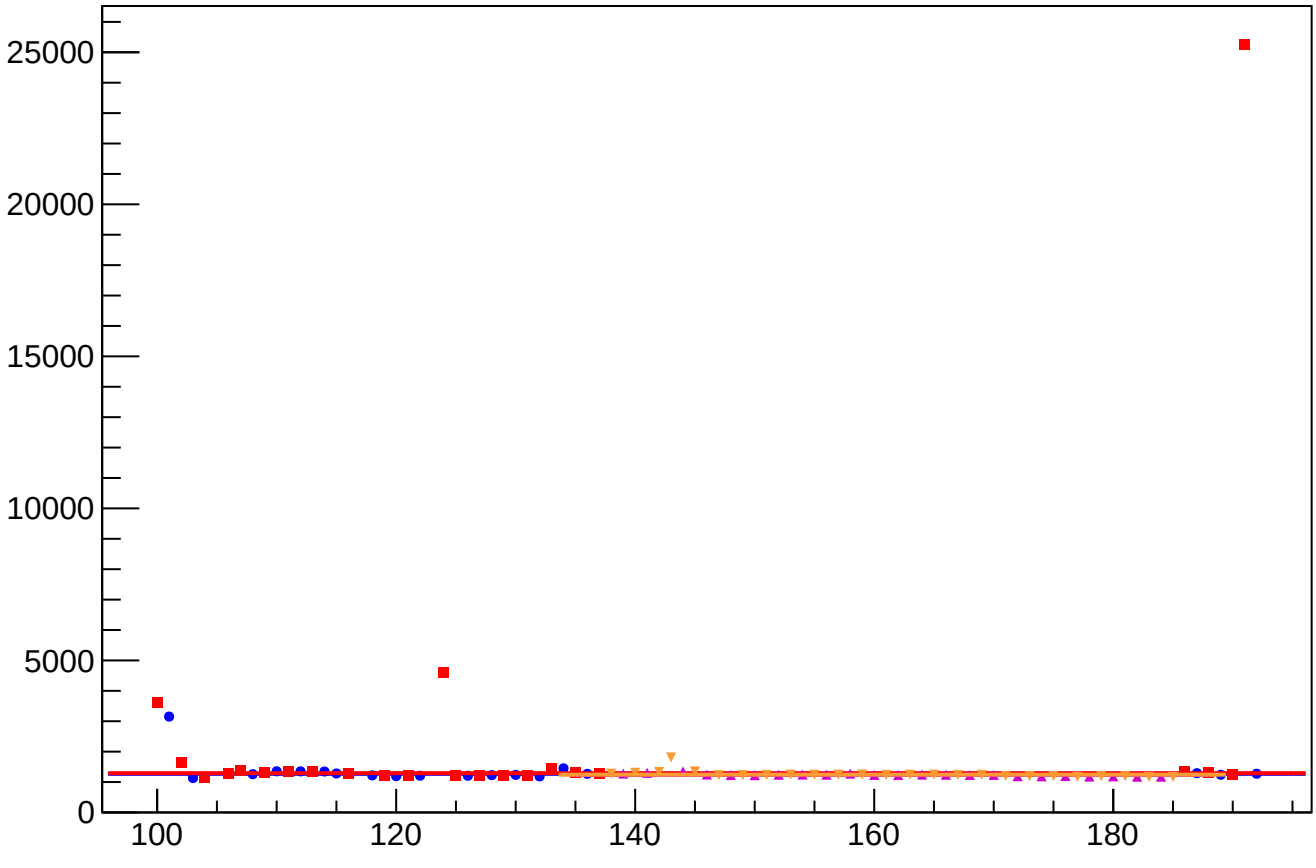
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -29.957+/-306.391 χ^2/NDF: 40.5/41

In: 25.723+/-239.782 χ^2/NDF:34.8/41

Out: -260.699+/-237.162 χ^2/NDF:43.8/47

All: -119.062+/-168.617 χ^2/NDF: 79.3/89



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: 1291.093+/-0.307 χ^2/NDF: 473322.5/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

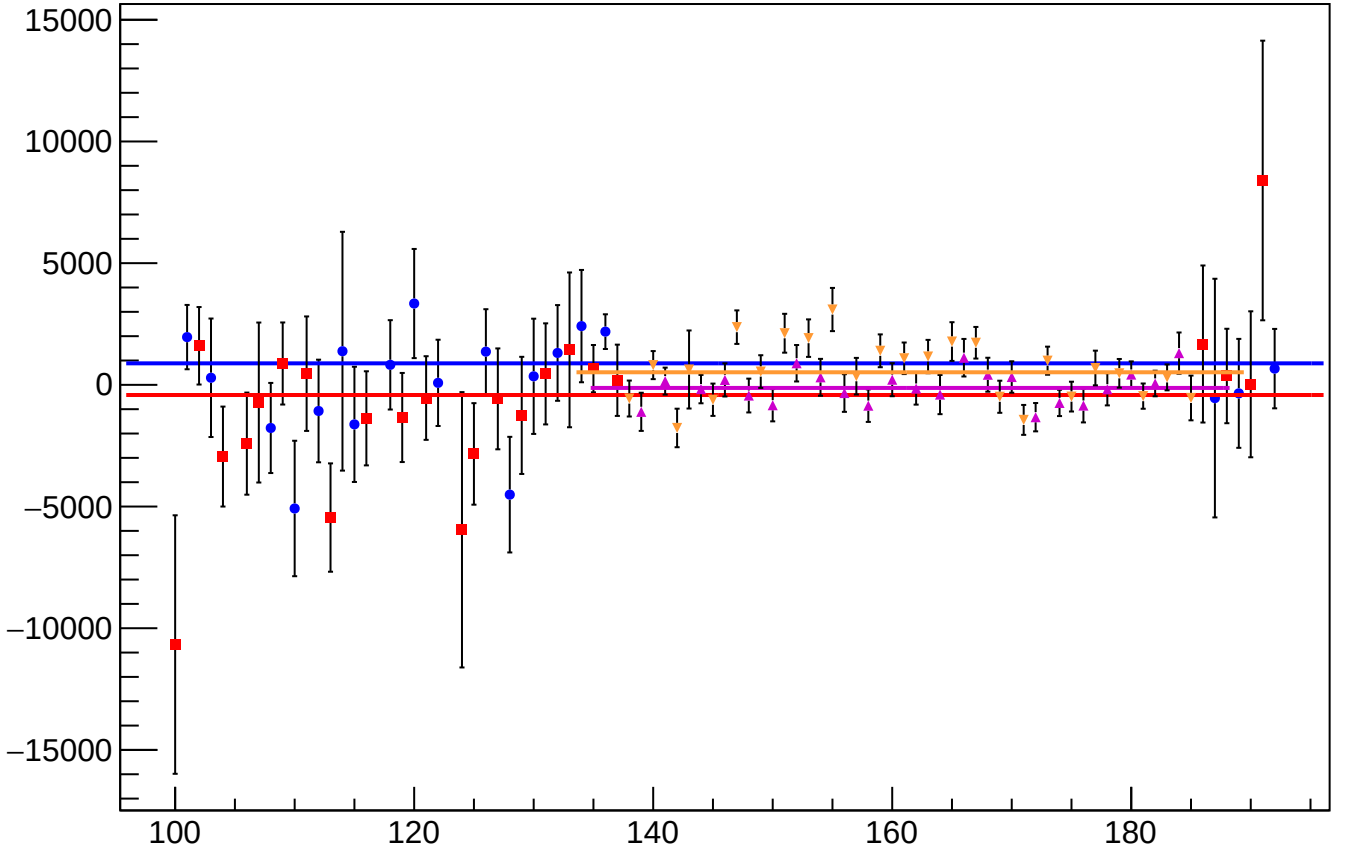
Right: 1281.035+/-0.217 χ^2/NDF: 995552.5/41

In: 1245.245+/-0.170 χ^2/NDF:569709.8/41

Out: 1257.208+/-0.168 χ^2/NDF:693951.7/47

All: 1251.292+/-0.119 χ^2/NDF: 1266177.8/89

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: -417.122+/-420.678 χ^2/NDF: 21.4/22

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

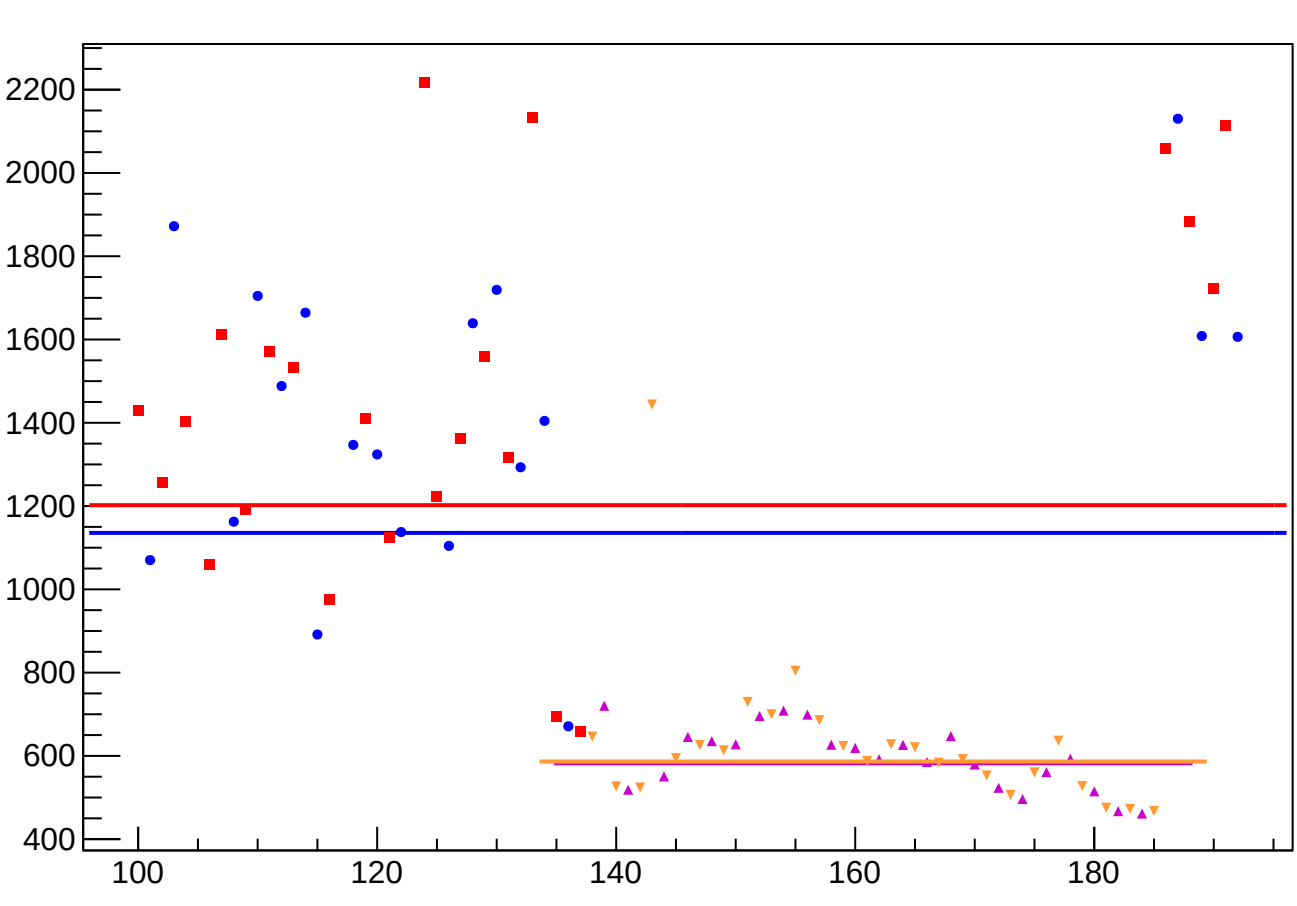
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 260.224+/-291.275 χ^2/NDF: 46.7/41

In: -21.824+/-129.959 χ^2/NDF:47.5/41

Out: 428.735+/-129.188 χ^2/NDF:92.9/47

All: 204.796+/-91.621 χ^2/NDF: 146.5/89



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: 1202.187+/-0.297 χ^2/NDF: 1834440.2/22

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

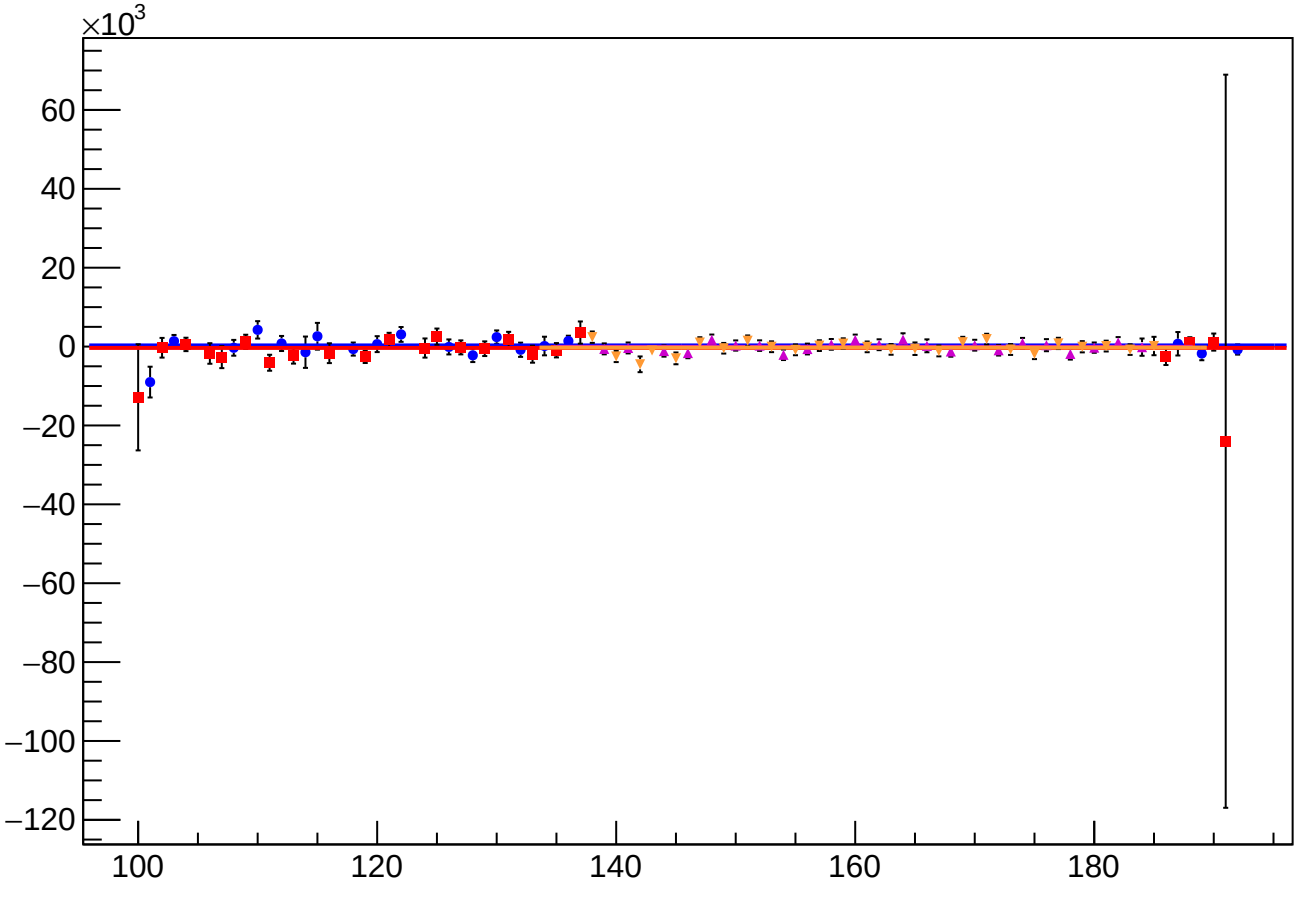
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1167.511+/-0.206 χ^2/NDF: 3712821.3/41

In: 639.538+/-0.092 χ^2/NDF:5780255.9/41

Out: 644.619+/-0.091 χ^2/NDF:6916480.0/47

All: 642.094+/-0.065 χ^2/NDF: 12698273.8/89



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: -338.070+/-431.294 χ^2/NDF: 19.4/22

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

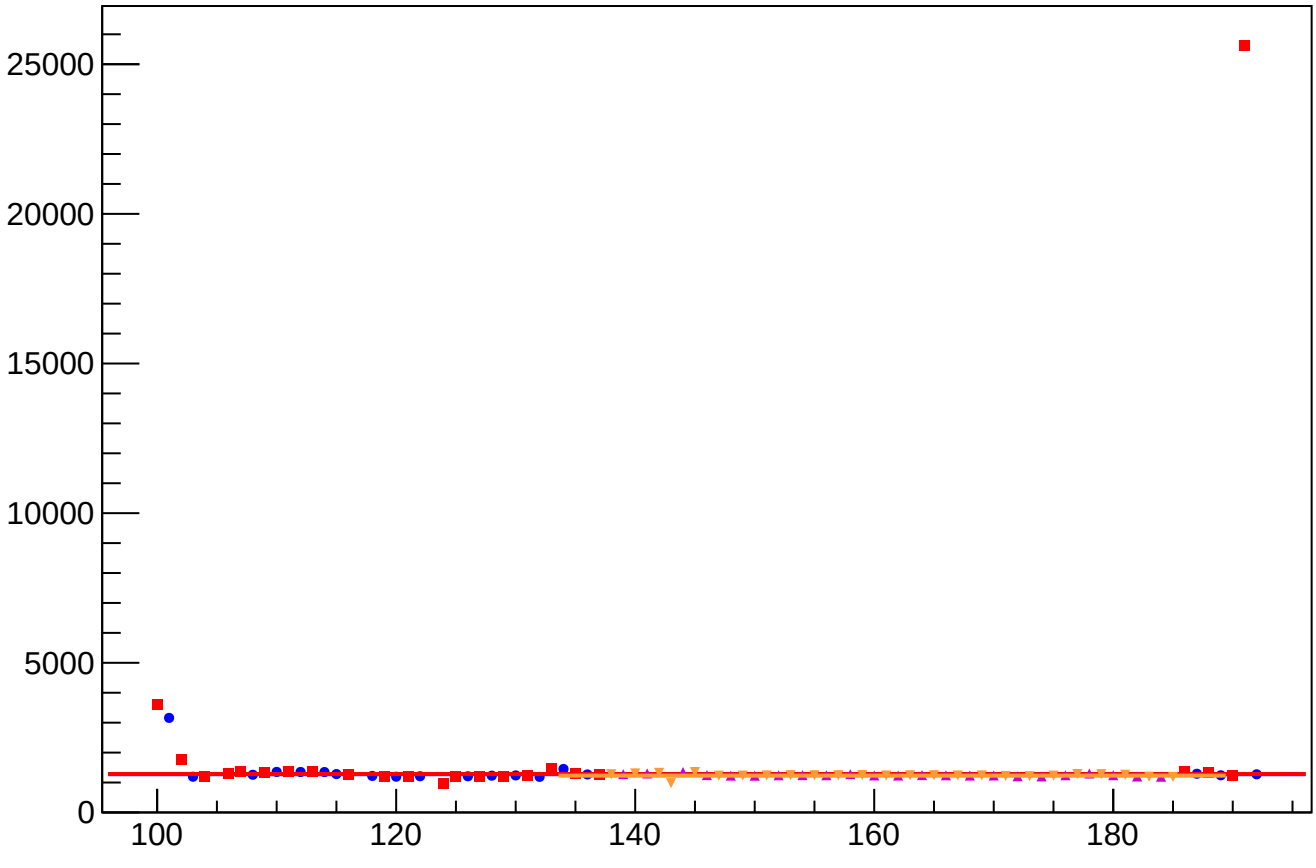
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -26.808+/-306.073 χ^2/NDF: 40.0/41

In: 38.064+/-242.034 χ^2/NDF:34.1/41

Out: -276.700+/-234.803 χ^2/NDF:43.4/47

All: -124.090+/-168.529 χ^2/NDF: 78.4/89



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: 1285.133+/-0.305 χ^2/NDF: 367809.6/22

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

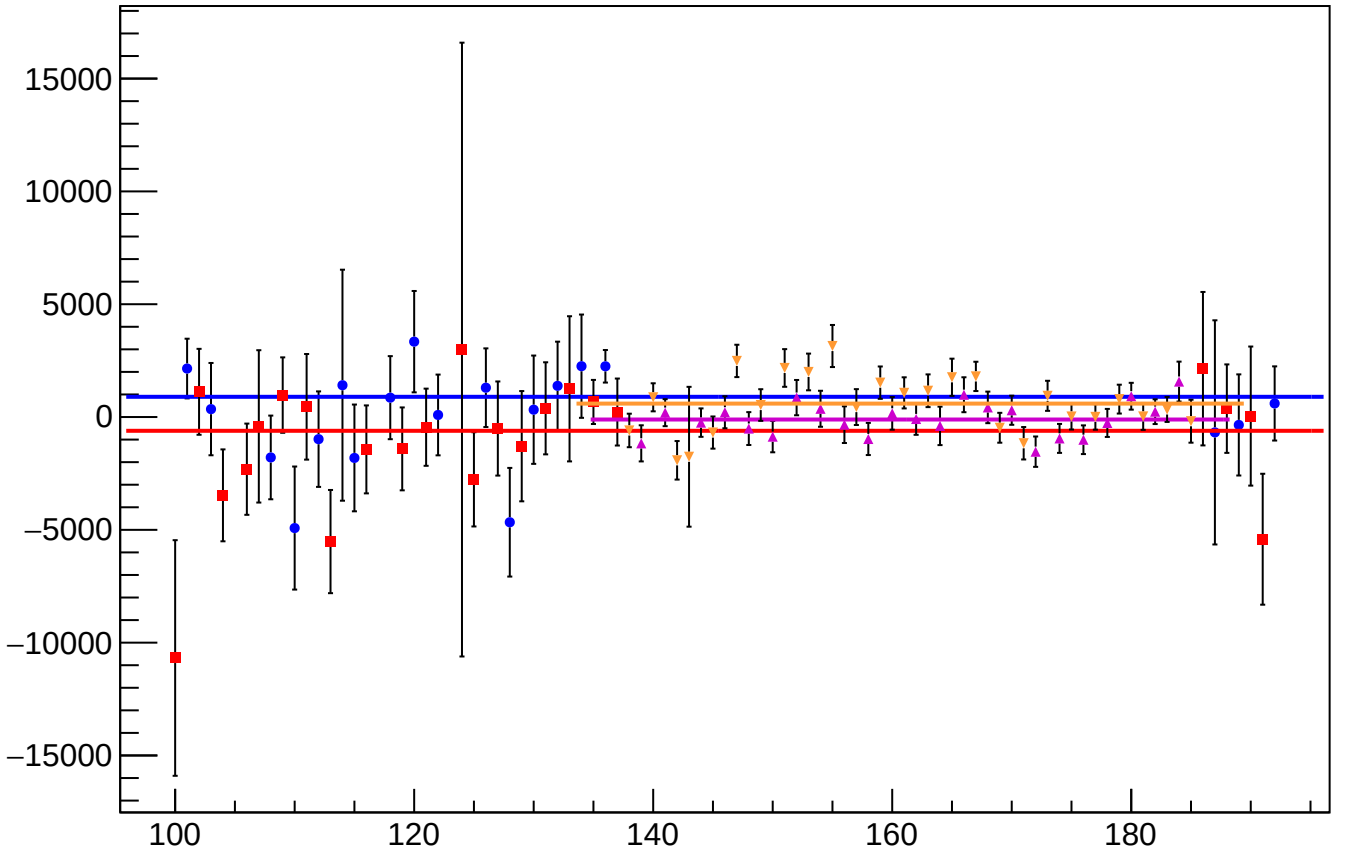
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1281.680+/-0.216 χ^2/NDF: 876240.2/41

In: 1257.219+/-0.171 χ^2/NDF:542263.4/41

Out: 1246.331+/-0.166 χ^2/NDF:532423.8/47

All: 1251.610+/-0.119 χ^2/NDF: 1076772.2/89



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: -610.188+/-424.130 χ^2/NDF: 20.8/22

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

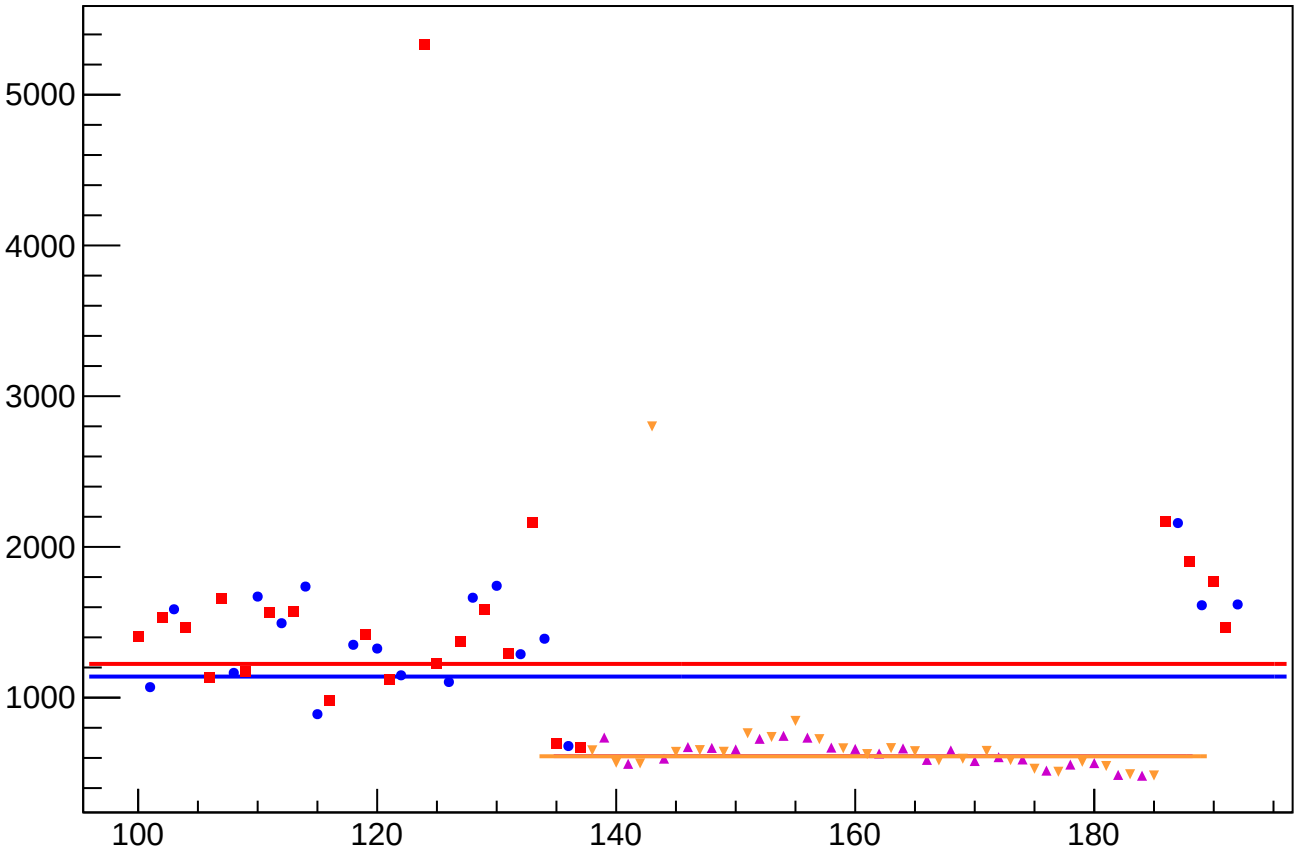
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 180.405+/-292.361 χ^2/NDF: 48.4/41

In: 3.742+/-135.818 χ^2/NDF:52.2/41

Out: 473.323+/-134.765 χ^2/NDF:85.4/47

All: 240.361+/-95.663 χ^2/NDF: 143.6/89



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: 1223.781+/-0.300 χ^2/NDF: 2006413.3/22

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

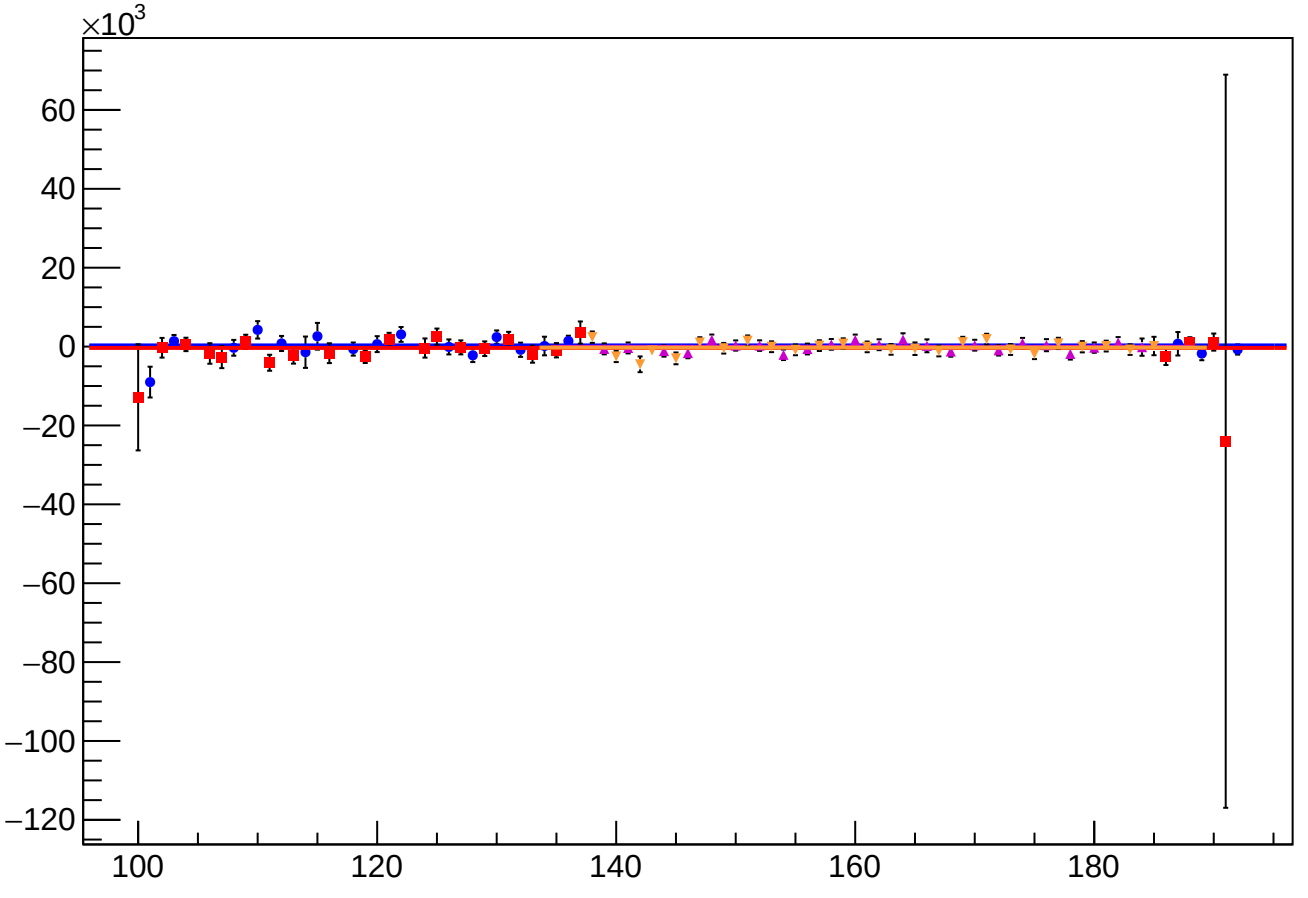
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1179.724+/-0.207 χ^2/NDF: 3785602.3/41

In: 672.141+/-0.096 χ^2/NDF:5276051.9/41

Out: 672.945+/-0.095 χ^2/NDF:7378034.7/47

All: 672.546+/-0.068 χ^2/NDF: 12654121.9/89



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: -338.069+/-431.294 χ^2/NDF: 19.4/22

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

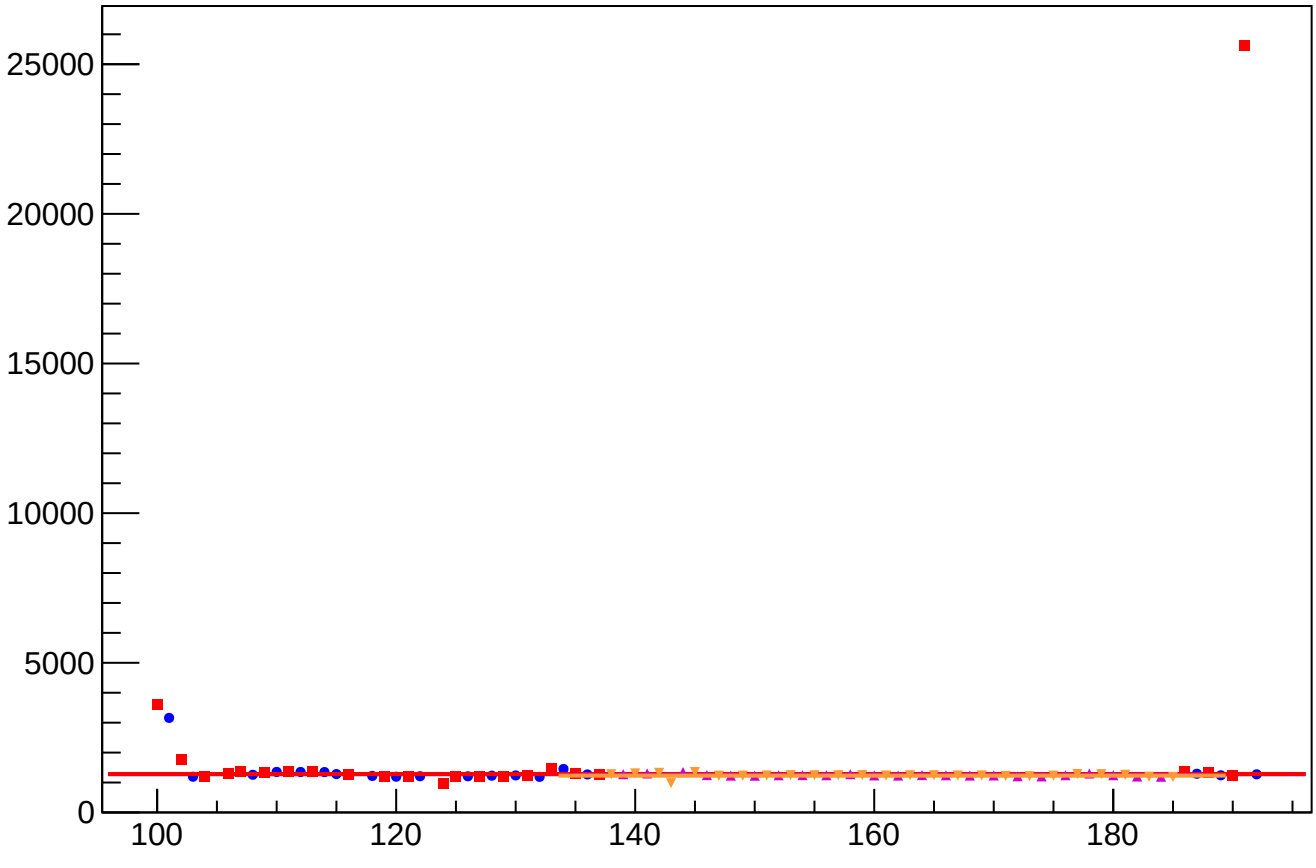
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -26.807+/-306.073 χ^2/NDF: 40.0/41

In: 38.065+/-242.034 χ^2/NDF:34.1/41

Out: -276.701+/-234.803 χ^2/NDF:43.4/47

All: -124.090+/-168.529 χ^2/NDF: 78.4/89



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: 1285.133+/-0.305 χ^2/NDF: 367809.5/22

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

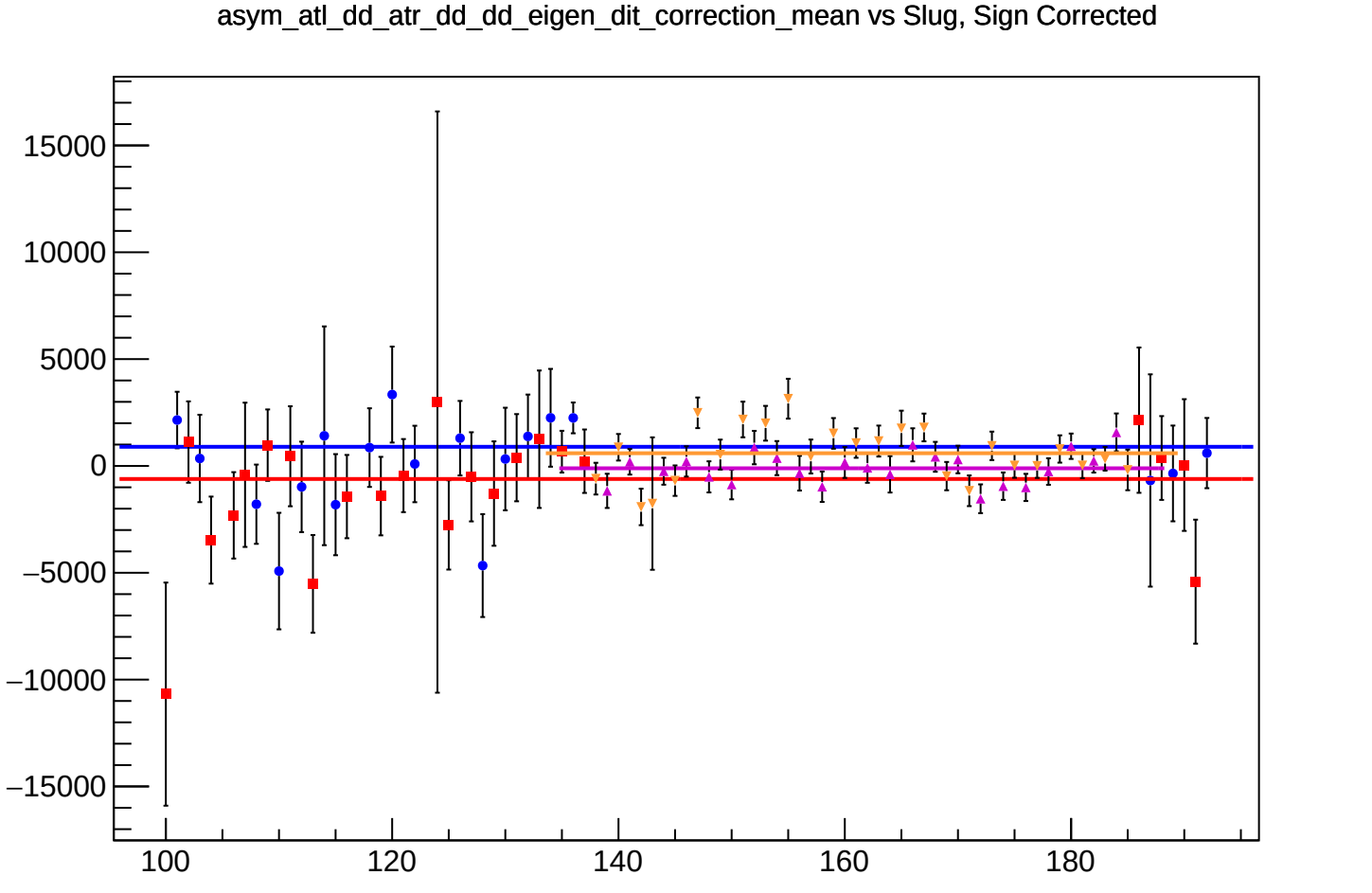
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

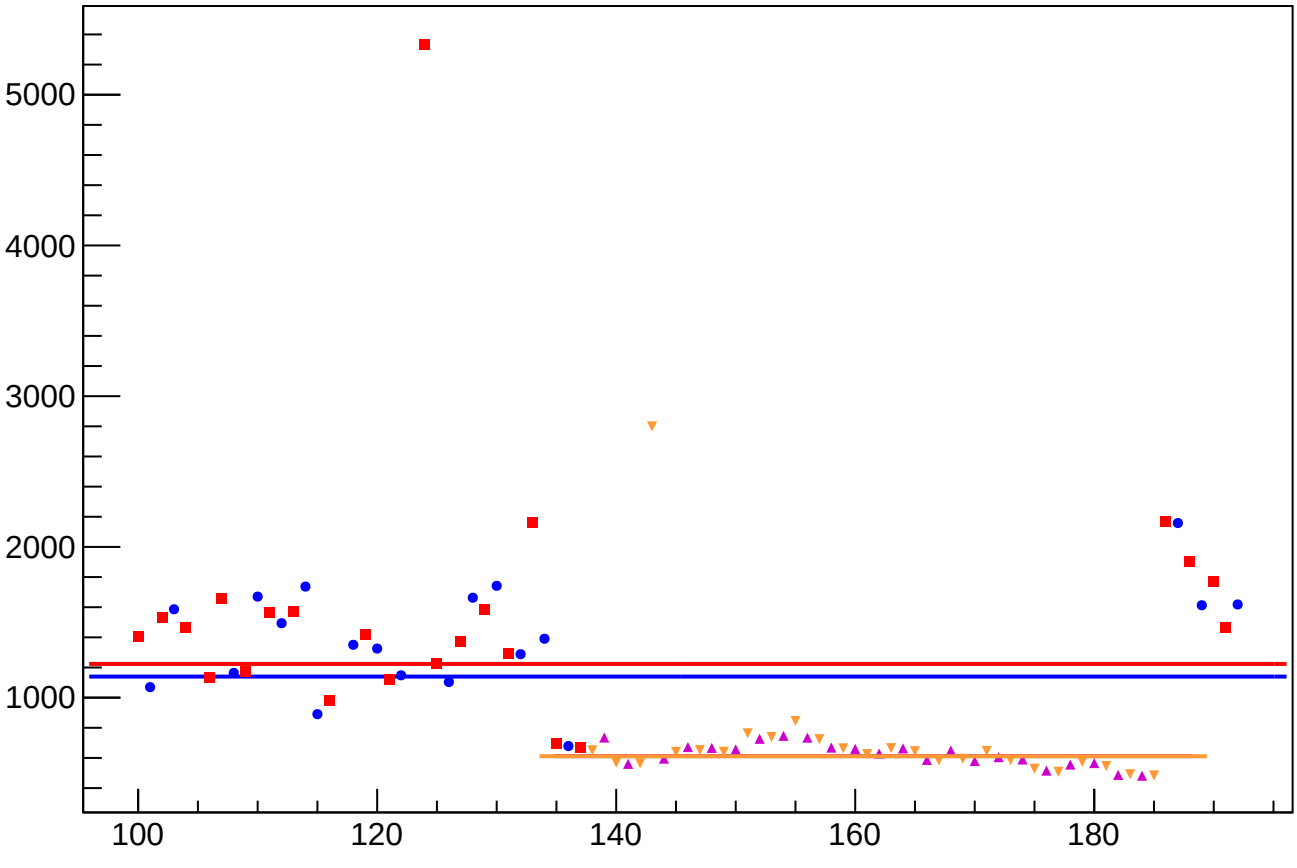
Right: 1281.680+/-0.216 χ^2/NDF: 876240.3/41

In: 1257.219+/-0.171 χ^2/NDF:542263.5/41

Out: 1246.331+/-0.166 χ^2/NDF:532422.8/47

All: 1251.610+/-0.119 χ^2/NDF: 1076771.2/89


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: 896.158+/-403.560 χ²/NDF: 20.9/18
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -610.198+/-424.132 χ²/NDF: 20.8/22
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 180.398+/-292.362 χ²/NDF: 48.4/41
In: 3.742+/-135.818 χ²/NDF:52.2/41
Out: 473.323+/-134.765 χ²/NDF:85.4/47
All: 240.361+/-95.663 χ²/NDF: 143.6/89



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: 1223.788+/-0.300 χ^2/NDF: 2006352.6/22

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

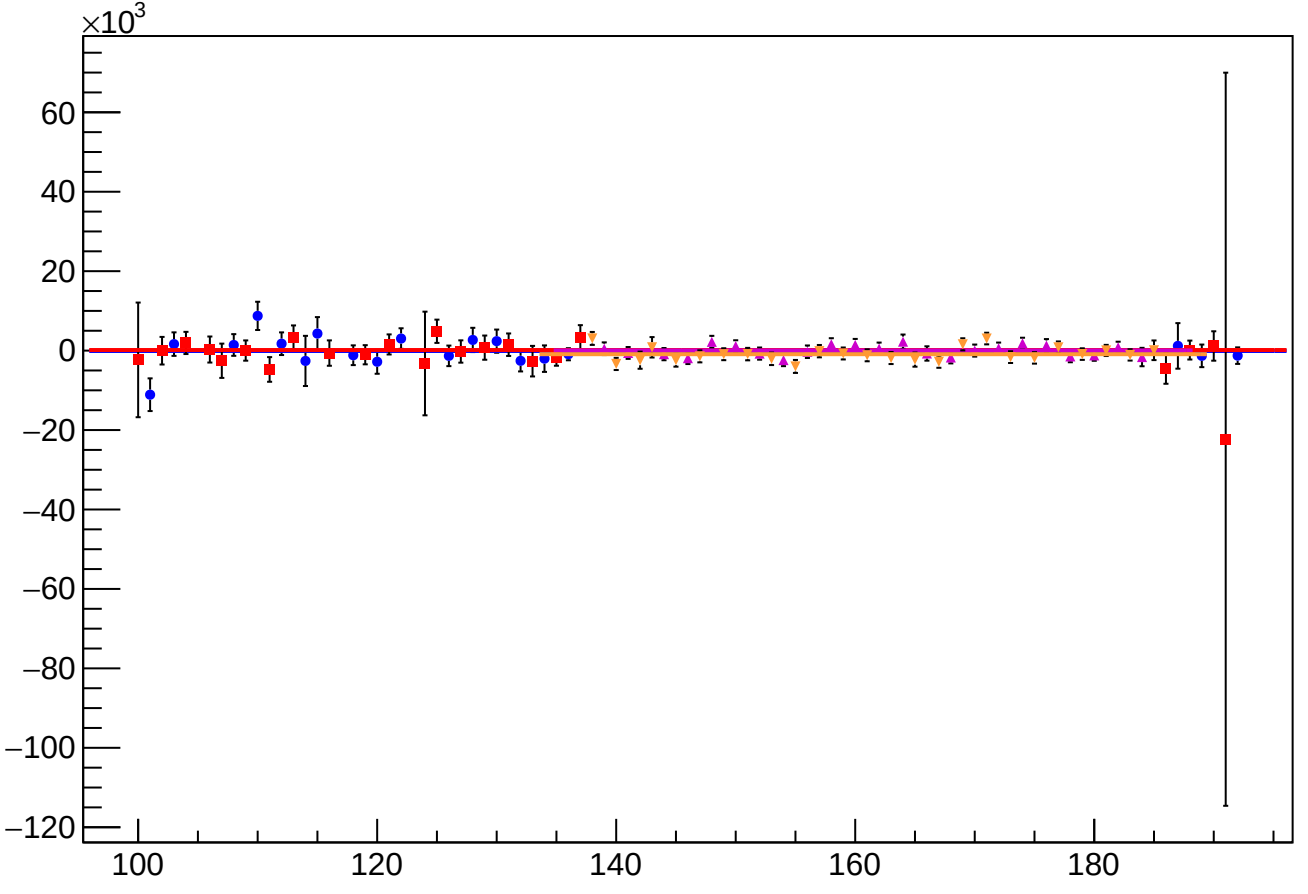
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1179.731+/-0.207 χ^2/NDF: 3785473.7/41

In: 672.140+/-0.096 χ^2/NDF:5276046.0/41

Out: 672.945+/-0.095 χ^2/NDF:7378034.7/47

All: 672.546+/-0.068 χ^2/NDF: 12654116.1/89



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: 146.551+/-651.156 χ^2/NDF: 11.9/22

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

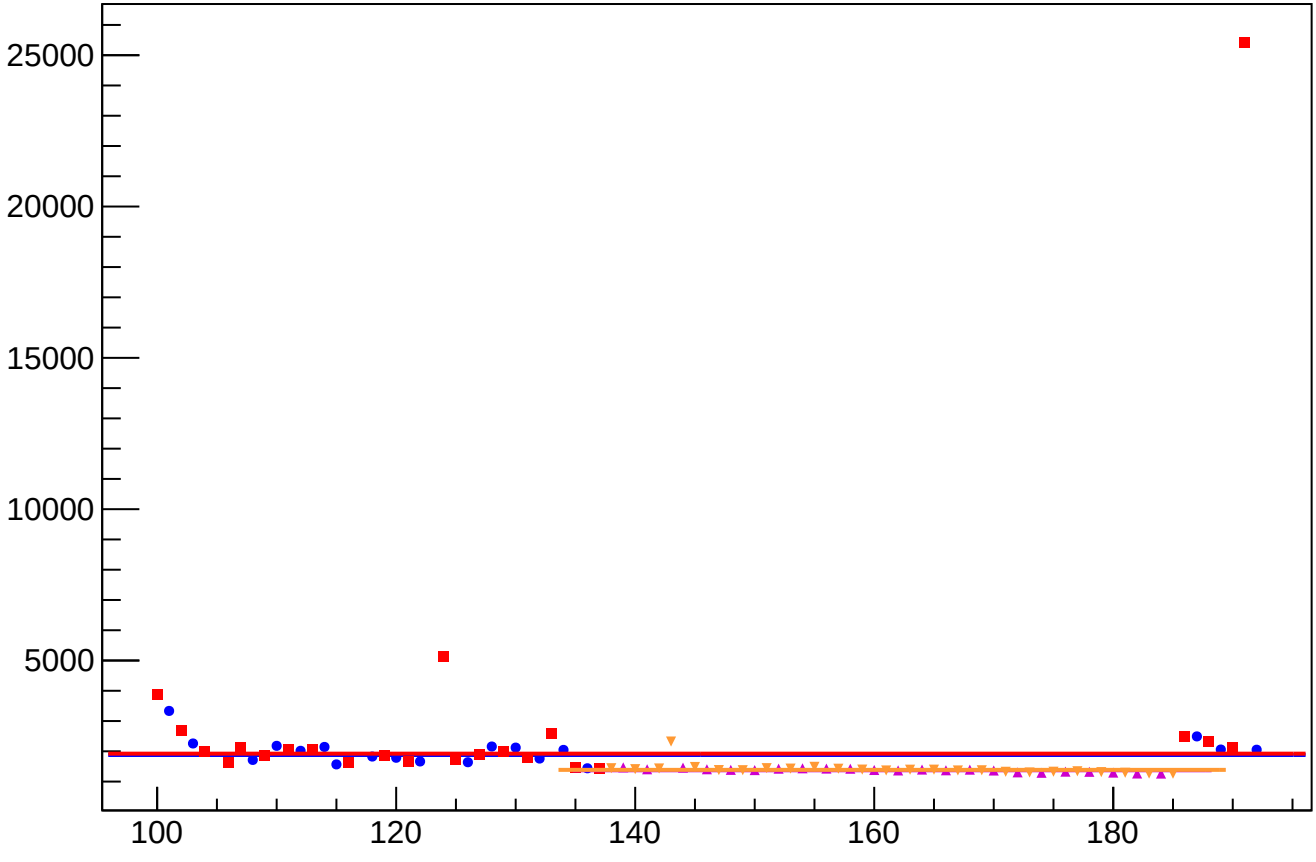
Right: 27.749+/-456.923 χ^2/NDF: 33.9/41

In: 21.007+/-287.000 χ^2/NDF:39.8/41

Out: -699.967+/-284.619 χ^2/NDF:43.8/47

All: -342.483+/-202.093 χ^2/NDF: 86.8/89

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



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: 1922.161+/-0.460 χ^2/NDF: 774518.5/22

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

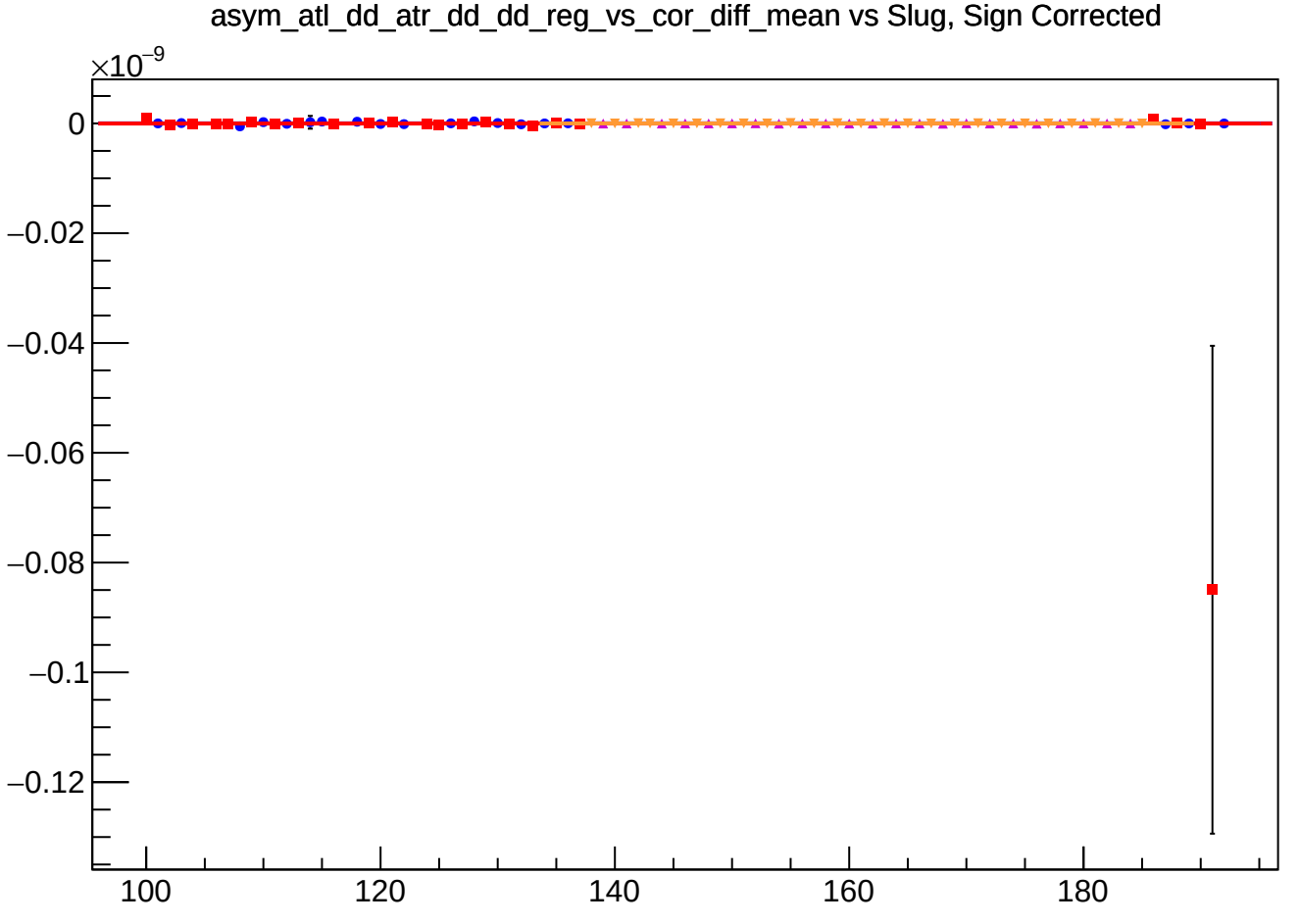
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1900.064+/-0.323 χ^2/NDF: 1386944.5/41

In: 1474.432+/-0.203 χ^2/NDF:1665711.6/41

Out: 1489.121+/-0.201 χ^2/NDF:2207787.8/47

All: 1481.838+/-0.143 χ^2/NDF: 3876140.8/89



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: 34.3/22

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

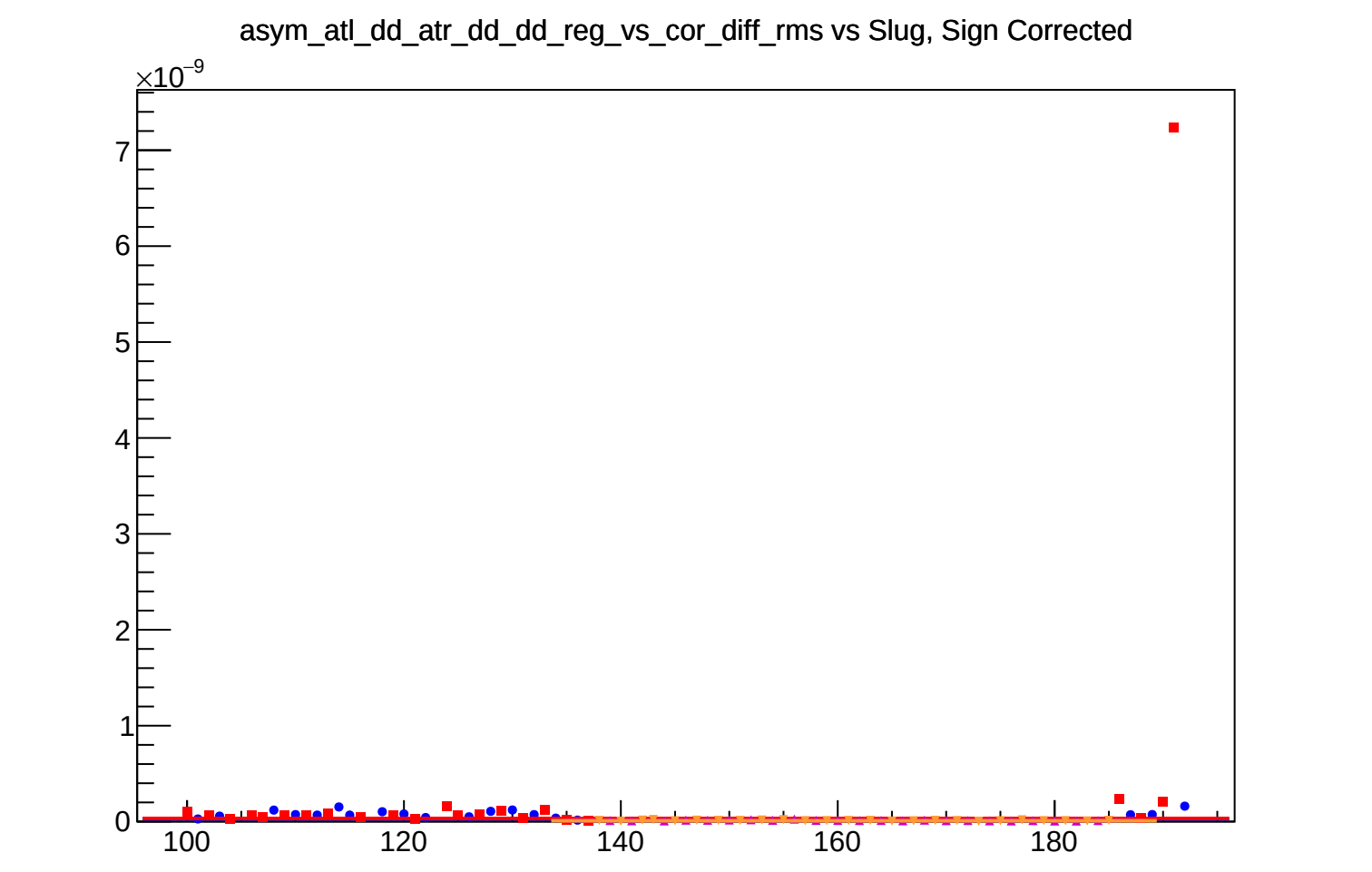
Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

Right: 0.000+/-0.000 χ^2/NDF: 52.8/41

In: 0.000+/-0.000 χ^2/NDF:31.3/41

Out: 0.000+/-0.000 χ^2/NDF:59.9/47

All: 0.000+/-0.000 χ^2/NDF: 91.2/89



Right In: 0.000+/-0.000 χ^2/NDF: 3386043.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2974385.8/22

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

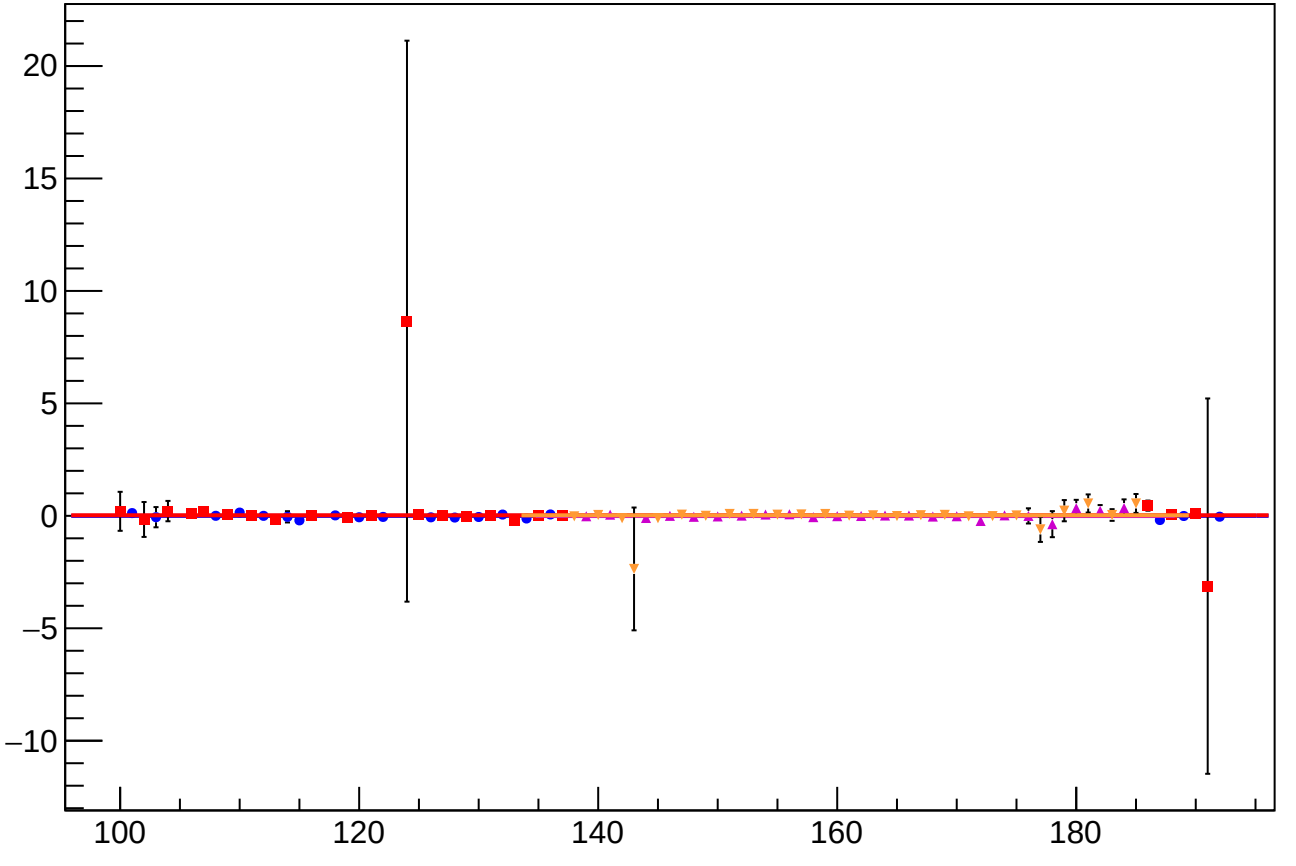
Right: 0.000+/-0.000 χ^2/NDF: 6405822.6/41

In: 0.000+/-0.000 χ^2/NDF:6368821.0/41

Out: 0.000+/-0.000 χ^2/NDF:7609924.4/47

All: 0.000+/-0.000 χ^2/NDF: 14253257.7/89

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: 0.025+/-0.015 χ^2/NDF: 18.9/22

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

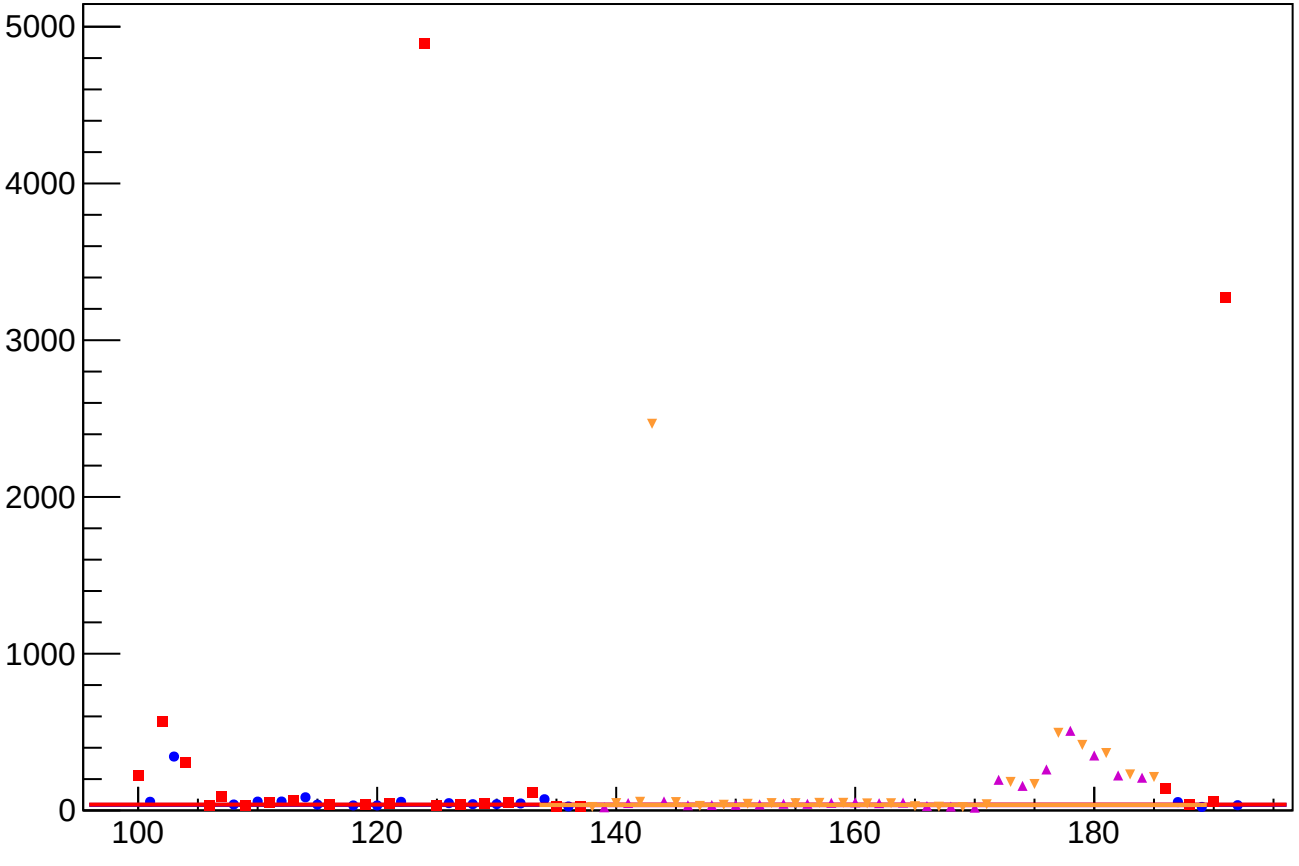
Right: 0.010+/-0.010 χ^2/NDF: 43.4/41

In: -0.007+/-0.008 χ^2/NDF:37.8/41

Out: 0.024+/-0.008 χ^2/NDF:41.8/47

All: 0.008+/-0.006 χ^2/NDF: 86.5/89

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: 37.613+/-0.011 χ^2/NDF: 4009545.5/22

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

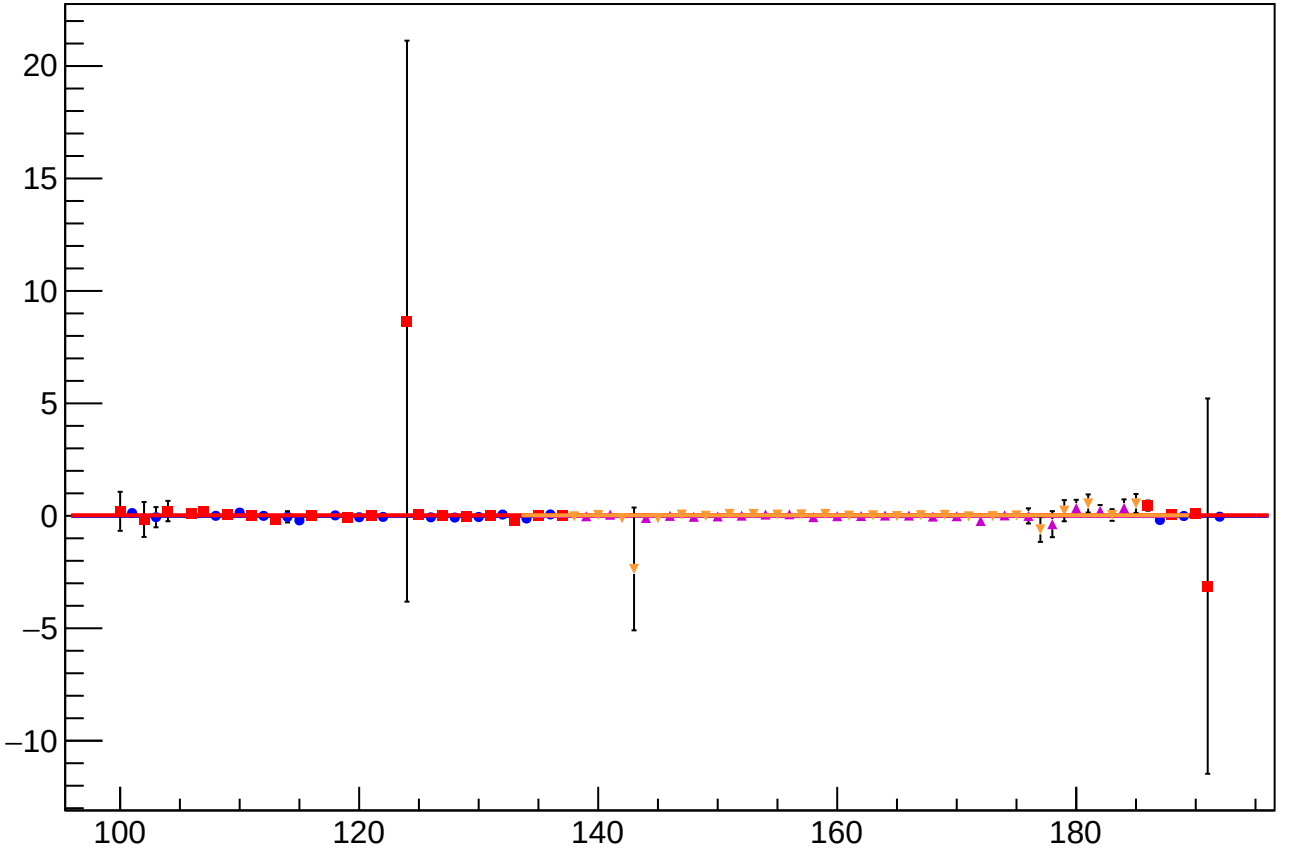
Right: 36.439+/-0.007 χ^2/NDF: 6290656.2/41

In: 34.229+/-0.006 χ^2/NDF:12350772.2/41

Out: 35.553+/-0.006 χ^2/NDF:15465384.5/47

All: 34.859+/-0.004 χ^2/NDF: 27841788.7/89

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: 0.025+/-0.015 χ^2/NDF: 18.9/22

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

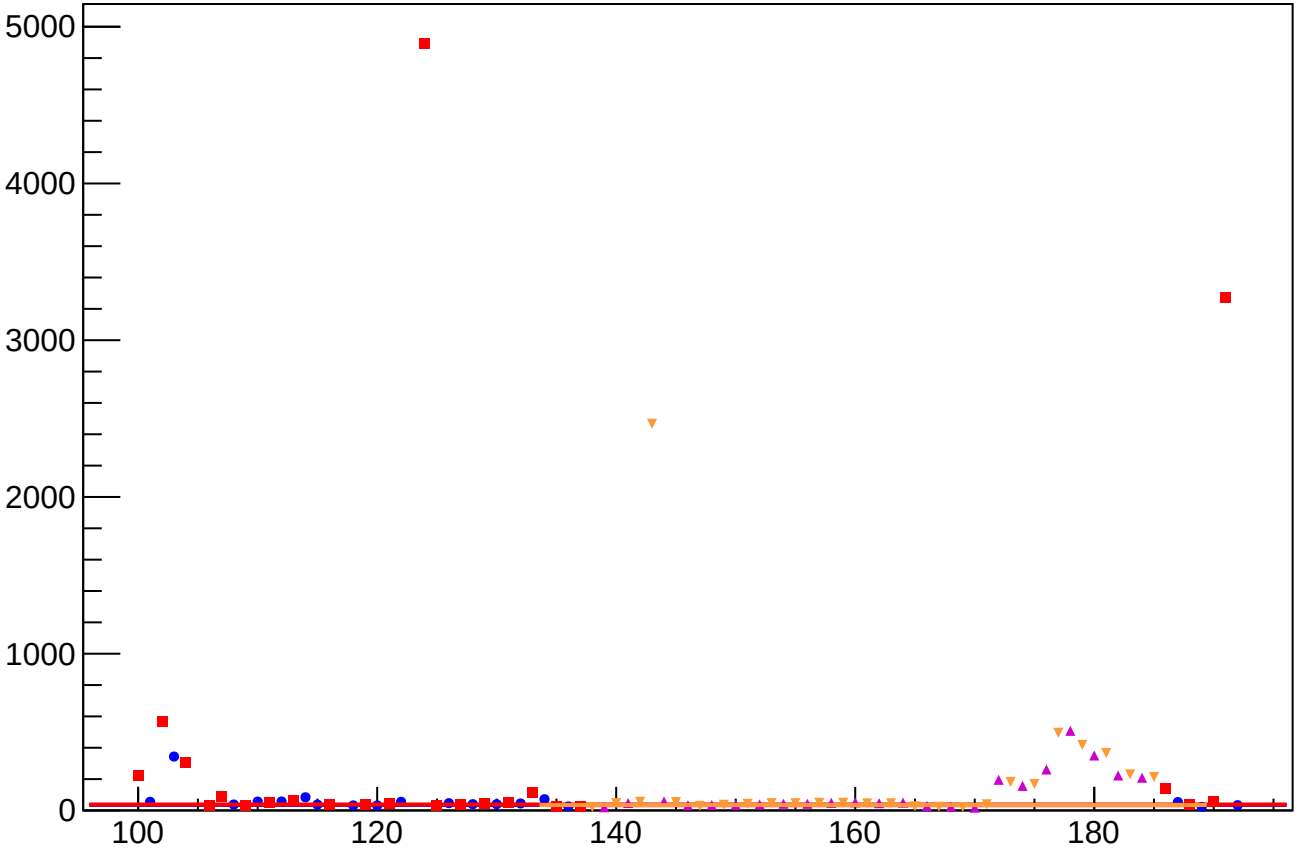
Right: 0.010+/-0.010 χ^2/NDF: 43.4/41

In: -0.007+/-0.008 χ^2/NDF:37.8/41

Out: 0.024+/-0.008 χ^2/NDF:41.8/47

All: 0.008+/-0.006 χ^2/NDF: 86.5/89

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: 37.613+/-0.011 χ^2/NDF: 4009545.5/22

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

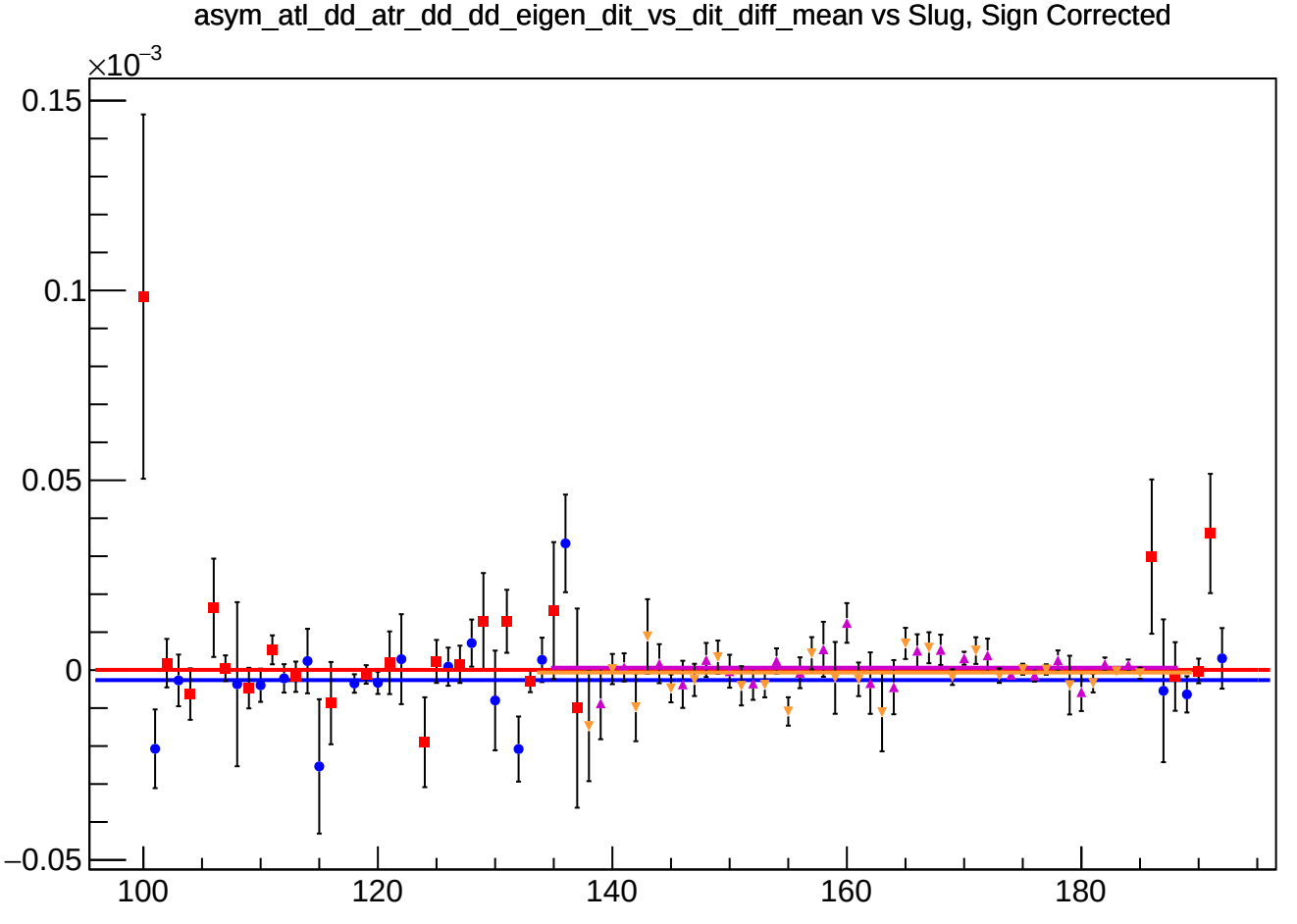
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 36.439+/-0.007 χ^2/NDF: 6290656.2/41

In: 34.229+/-0.006 χ^2/NDF:12350772.2/41

Out: 35.553+/-0.006 χ^2/NDF:15465384.5/47

All: 34.859+/-0.004 χ^2/NDF: 27841788.7/89



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: 26.3/22

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

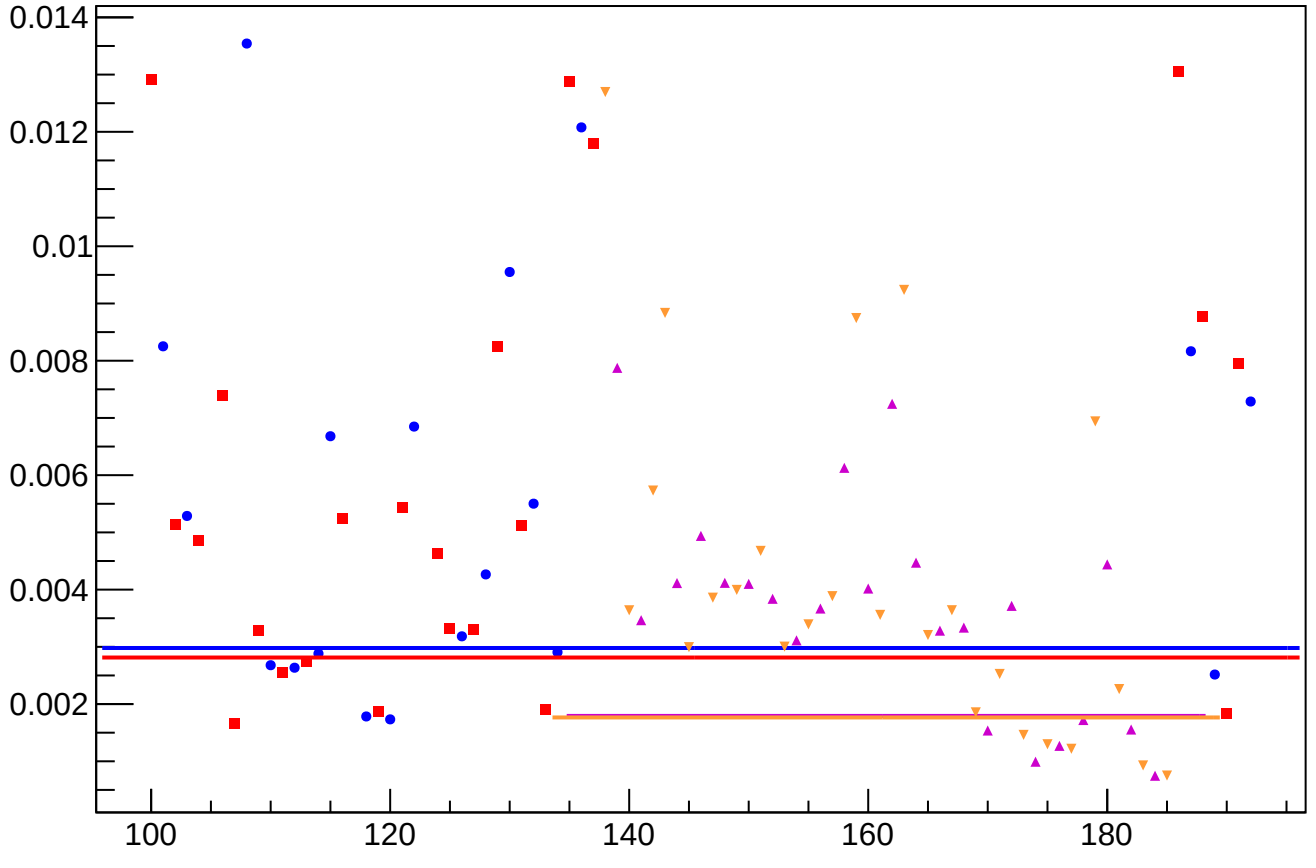
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: -0.000+/-0.000 χ^2/NDF: 52.0/41

In: 0.000+/-0.000 χ^2/NDF:50.8/41

Out: -0.000+/-0.000 χ^2/NDF:55.1/47

All: -0.000+/-0.000 χ^2/NDF: 106.6/89



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: 5087953.2/22

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

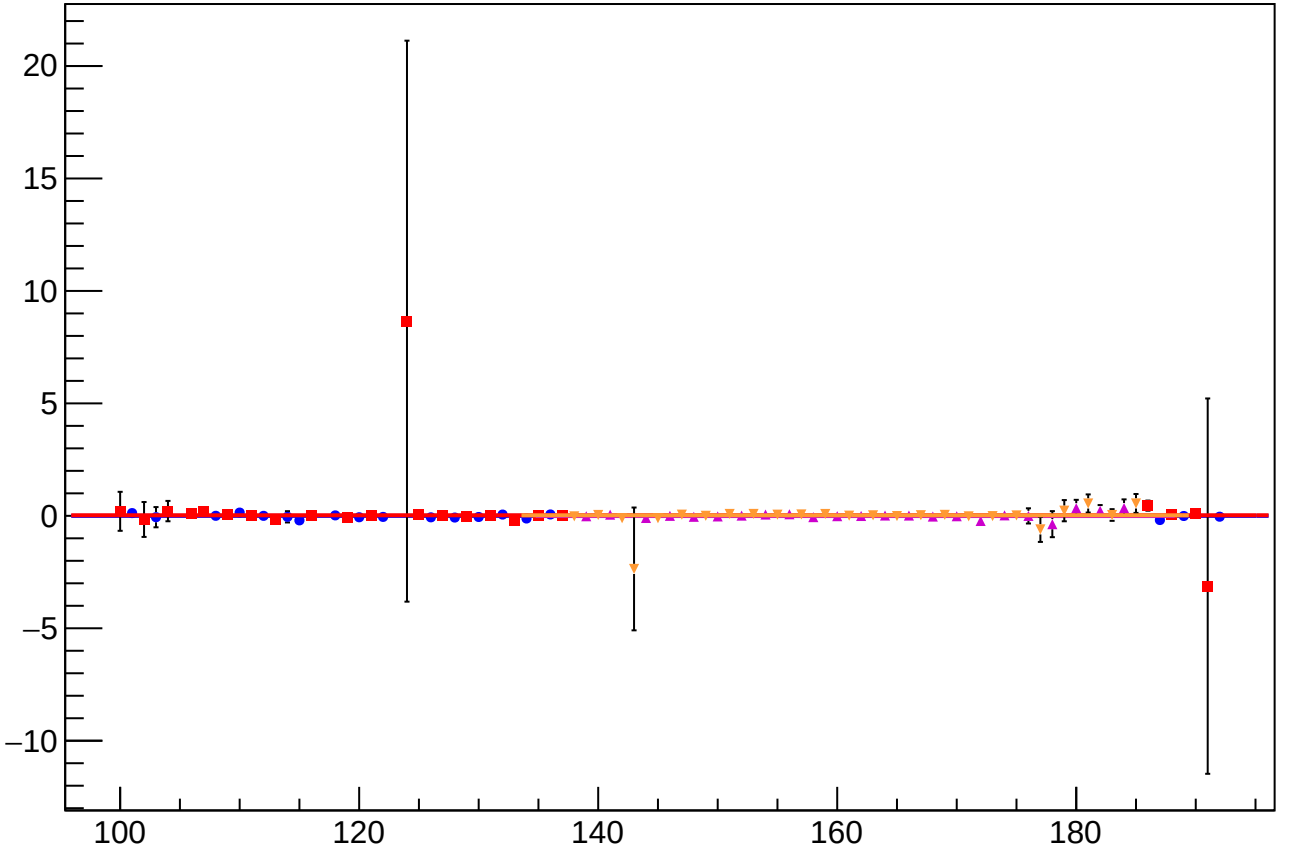
Right: 0.003+/-0.000 χ^2/NDF: 10026986.6/41

In: 0.002+/-0.000 χ^2/NDF:17219452.6/41

Out: 0.002+/-0.000 χ^2/NDF:19523512.6/47

All: 0.002+/-0.000 χ^2/NDF: 36746713.4/89

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: 0.025+/-0.015 χ^2/NDF: 18.9/22

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

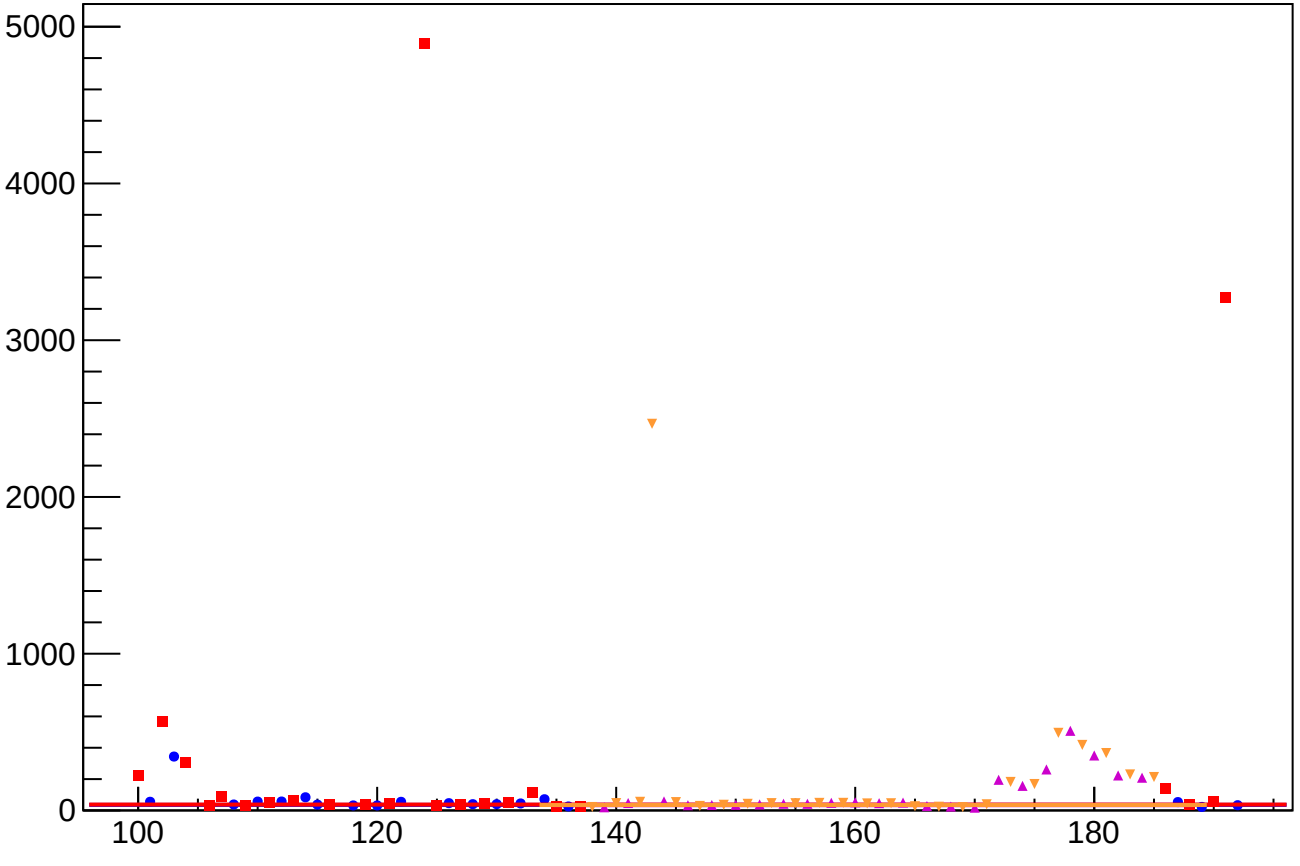
Right: 0.010+/-0.010 χ^2/NDF: 43.4/41

In: -0.007+/-0.008 χ^2/NDF:37.8/41

Out: 0.024+/-0.008 χ^2/NDF:41.8/47

All: 0.008+/-0.006 χ^2/NDF: 86.5/89

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: 37.615+/-0.011 χ^2/NDF: 4009219.7/22

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

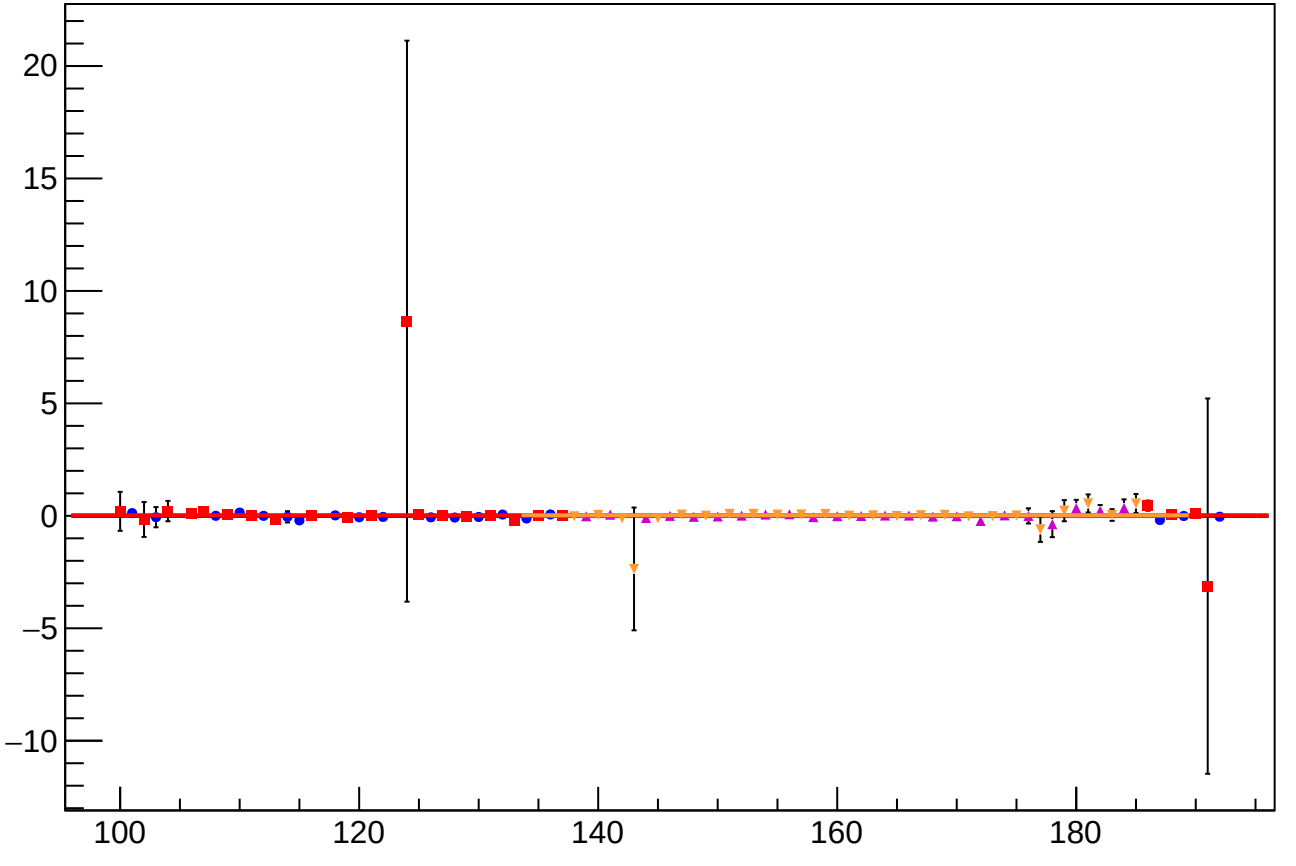
Right: 36.441+/-0.007 χ^2/NDF: 6289680.9/41

In: 34.231+/-0.006 χ^2/NDF:12348857.2/41

Out: 35.553+/-0.006 χ^2/NDF:15465275.1/47

All: 34.860+/-0.004 χ^2/NDF: 27839671.0/89

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: 0.025+/-0.015 χ^2/NDF: 18.9/22

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

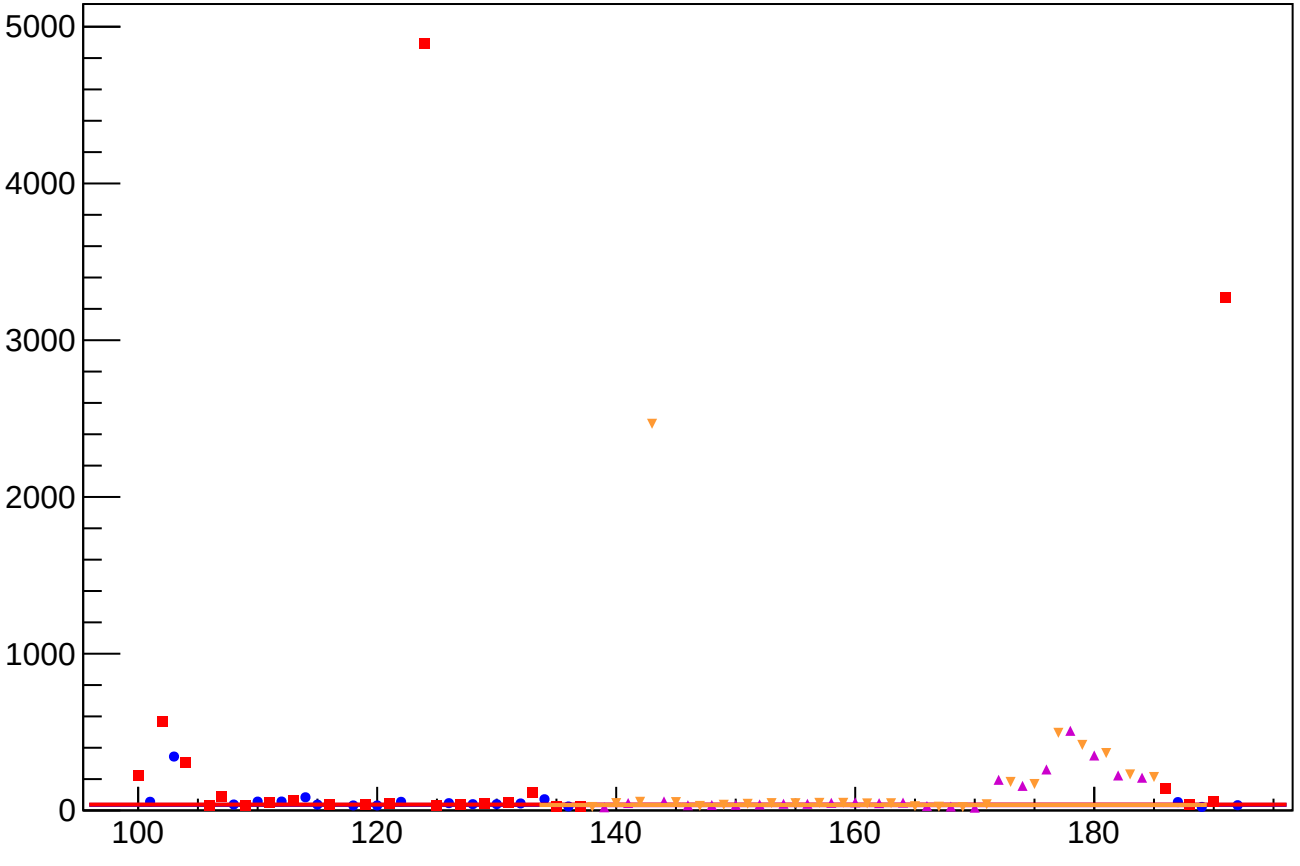
Right: 0.010+/-0.010 χ^2/NDF: 43.4/41

In: -0.007+/-0.008 χ^2/NDF:37.8/41

Out: 0.024+/-0.008 χ^2/NDF:41.8/47

All: 0.008+/-0.006 χ^2/NDF: 86.5/89

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: 37.615+/-0.011 χ^2/NDF: 4009219.7/22

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

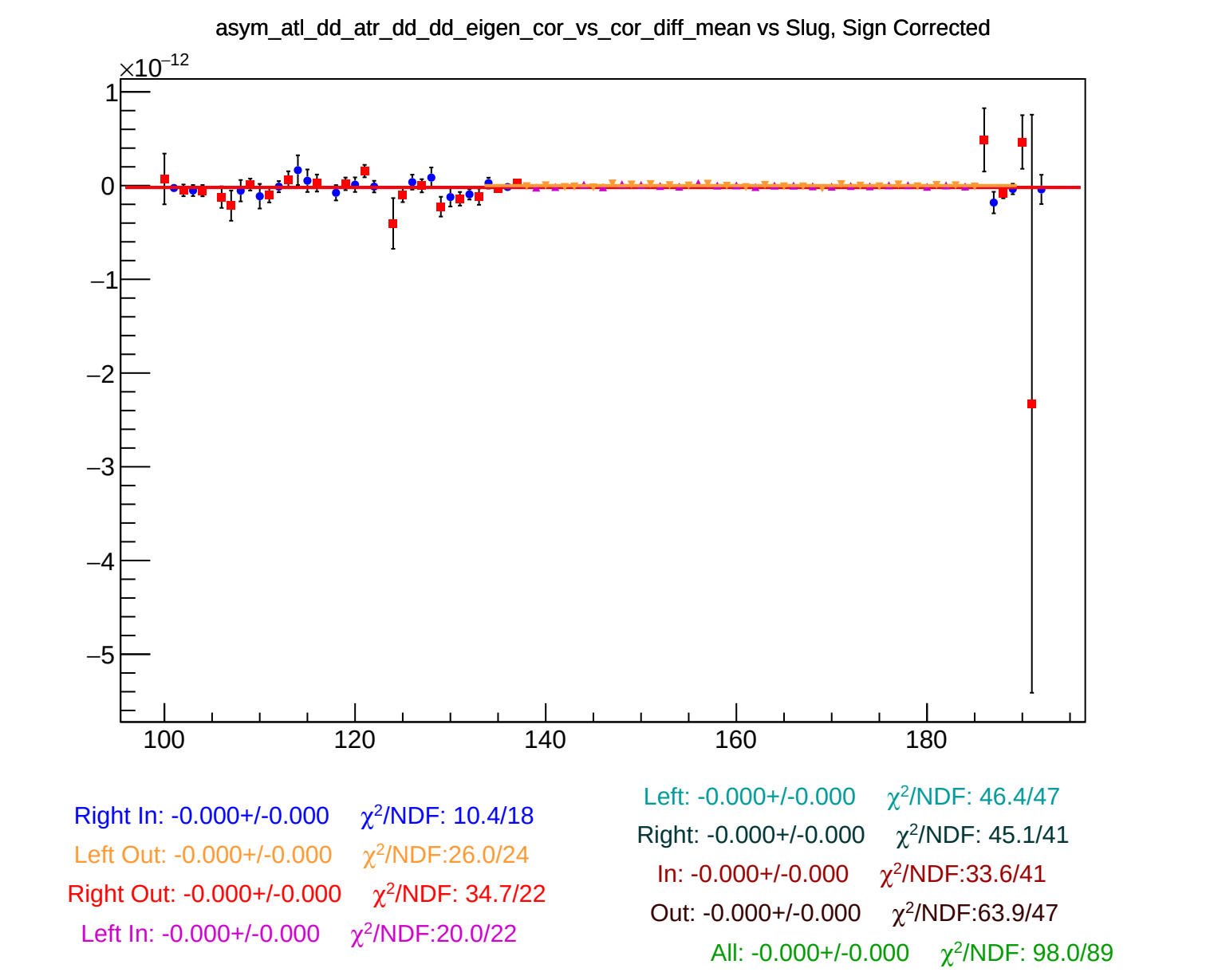
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

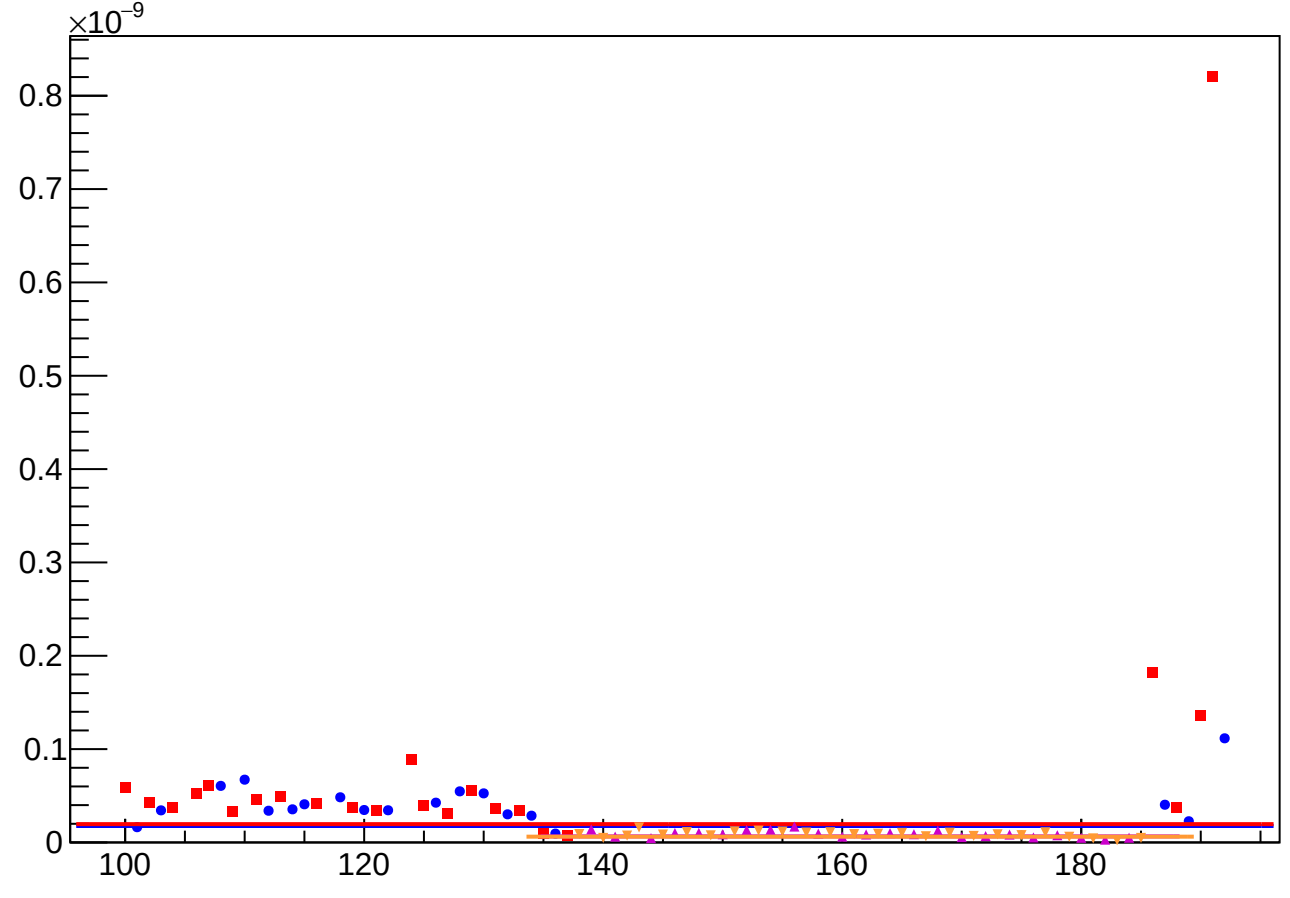
Right: 36.441+/-0.007 χ^2/NDF: 6289680.9/41

In: 34.231+/-0.006 χ^2/NDF:12348857.2/41

Out: 35.553+/-0.006 χ^2/NDF:15465275.1/47

All: 34.860+/-0.004 χ^2/NDF: 27839671.0/89


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 10.4/18
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.7/22
Left In: -0.000+/-0.000 χ²/NDF:20.0/22
Left: -0.000+/-0.000 χ²/NDF: 46.4/47
Right: -0.000+/-0.000 χ²/NDF: 45.1/41
In: -0.000+/-0.000 χ²/NDF:33.6/41
Out: -0.000+/-0.000 χ²/NDF:63.9/47
All: -0.000+/-0.000 χ²/NDF: 98.0/89



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: 4876878.7/22

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

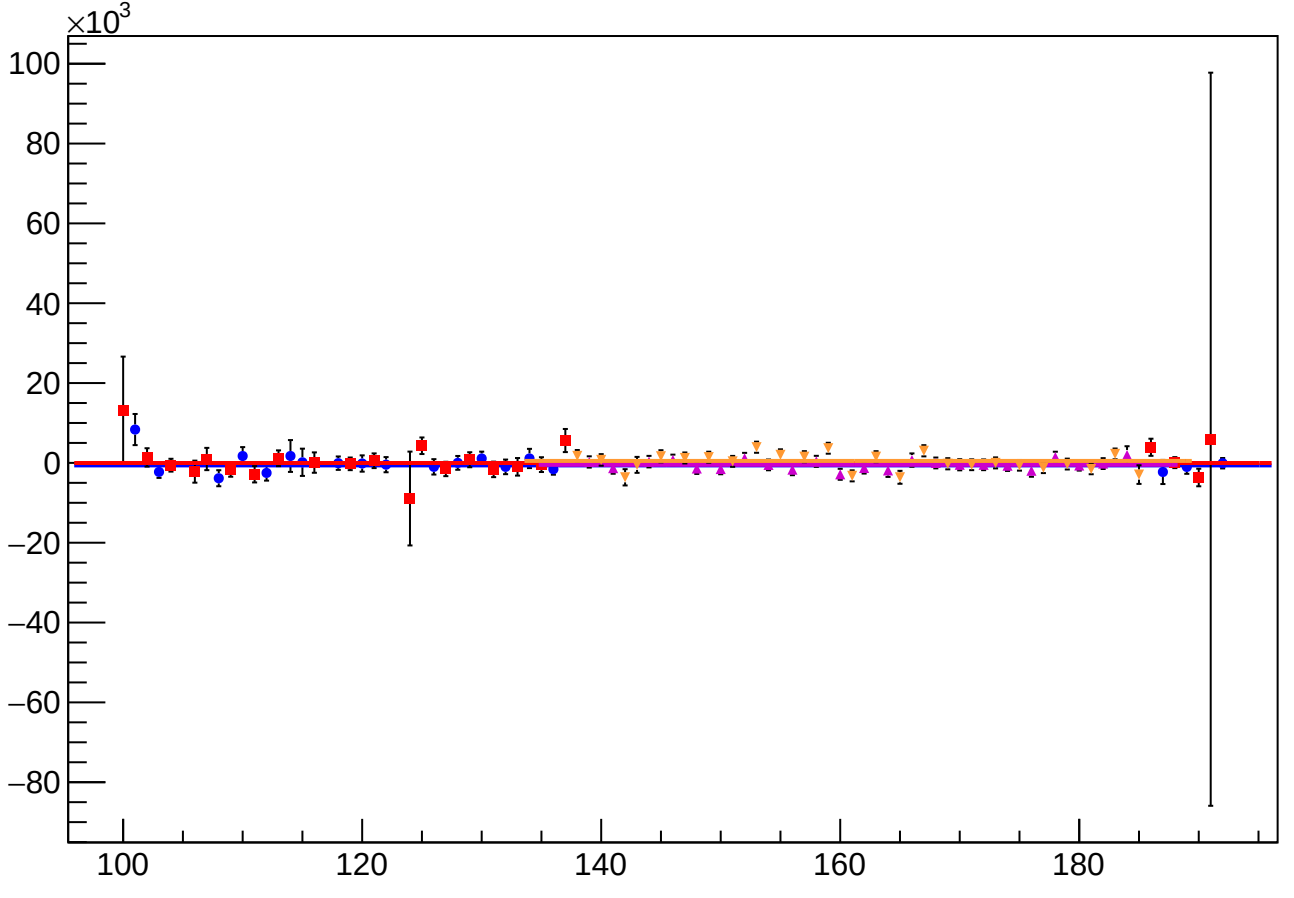
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8952124.2/41

In: 0.000+/-0.000 χ^2/NDF:10561319.0/41

Out: 0.000+/-0.000 χ^2/NDF:12954621.5/47

All: 0.000+/-0.000 χ^2/NDF: 23544447.2/89



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: -30.006+/-440.408 χ^2/NDF: 22.0/22

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

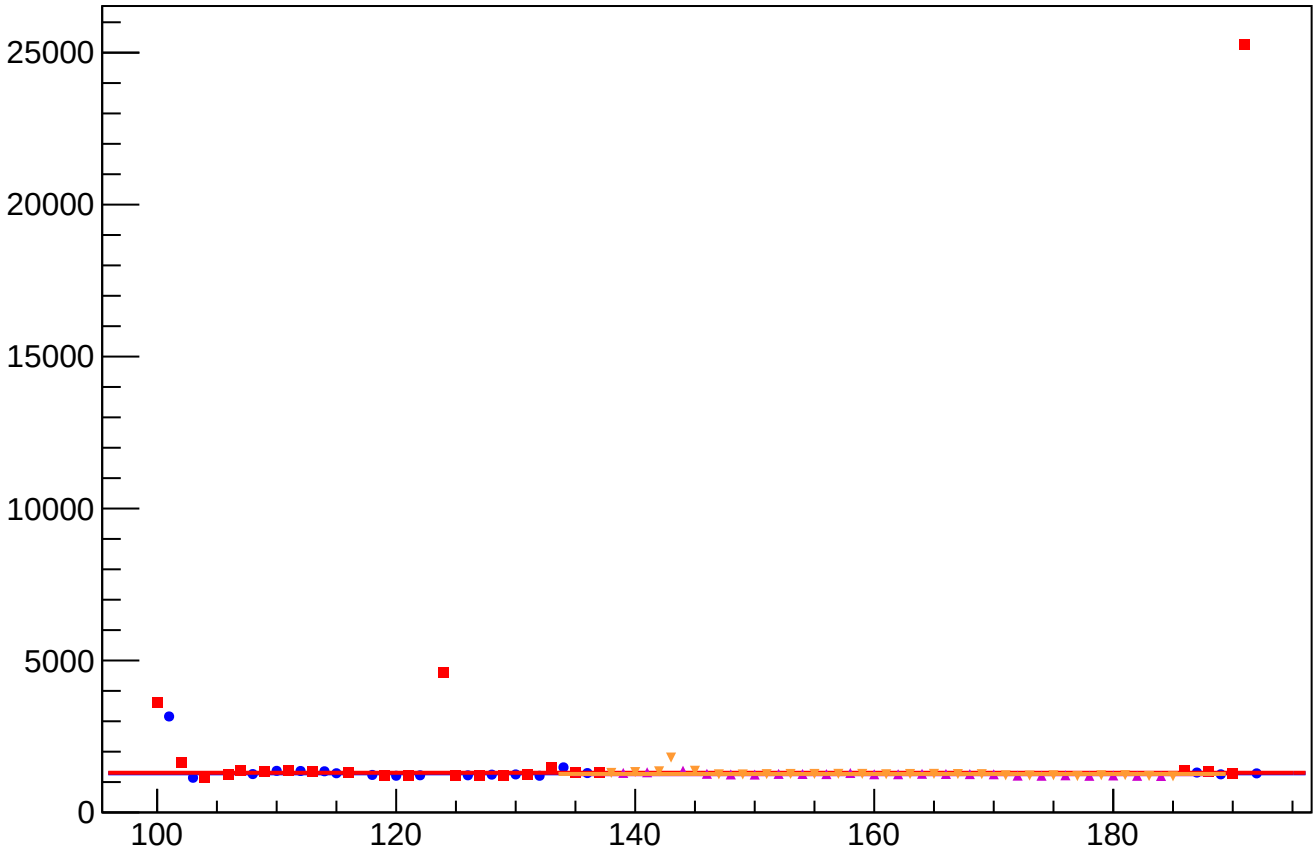
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -331.417+/-310.419 χ^2/NDF: 37.4/41

In: -530.991+/-243.906 χ^2/NDF:28.9/41

Out: 335.305+/-241.327 χ^2/NDF:69.9/47

All: -93.239+/-171.549 χ^2/NDF: 105.2/89



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: 1306.165+/-0.311 χ^2/NDF: 464347.1/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

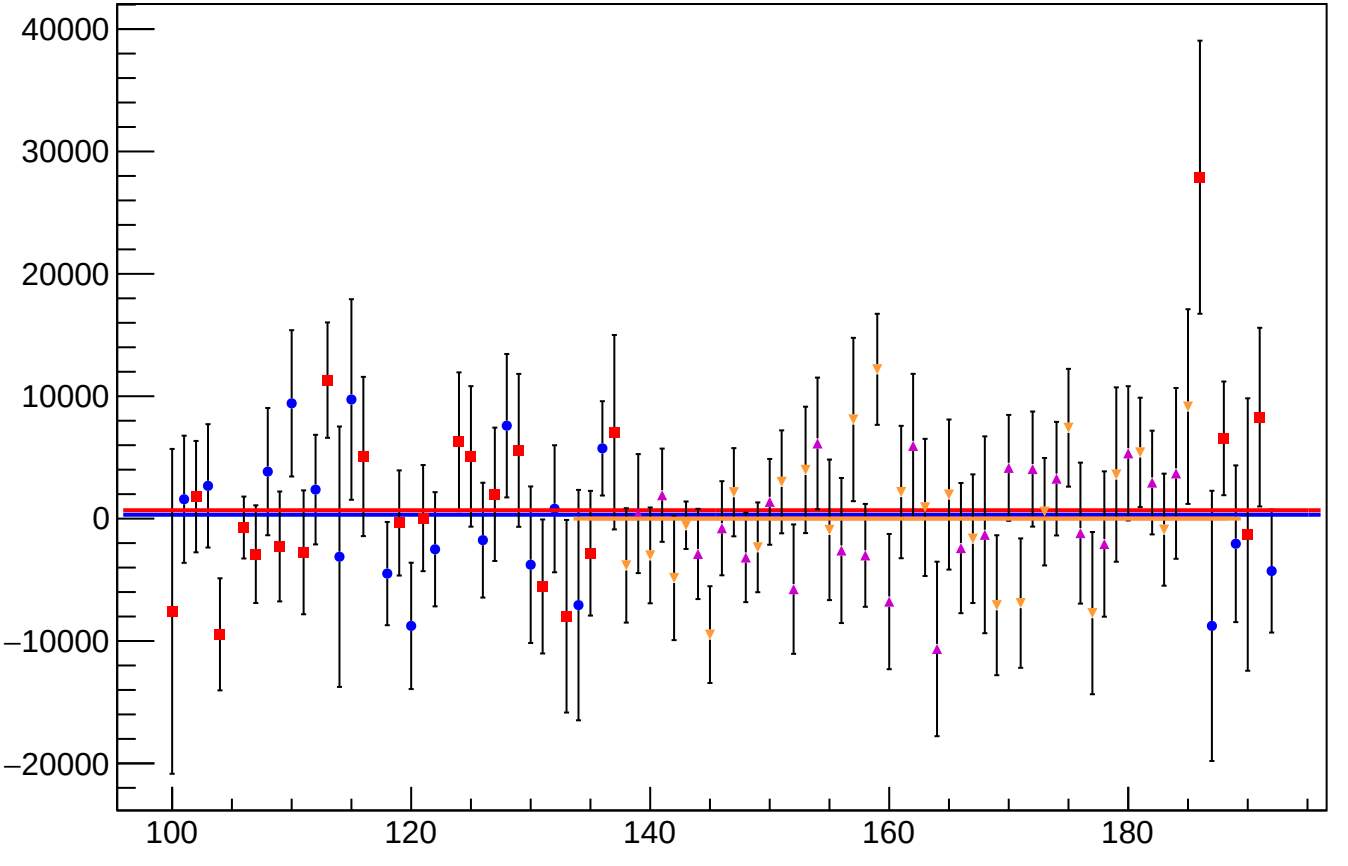
Right: 1296.687+/-0.219 χ^2/NDF: 981793.4/41

In: 1266.790+/-0.172 χ^2/NDF:558776.7/41

Out: 1278.772+/-0.171 χ^2/NDF:663011.7/47

All: 1272.848+/-0.121 χ^2/NDF: 1224229.1/89

asym_at1_avg_at2_avg_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: 684.995+/-1059.241 χ^2/NDF: 27.5/22

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

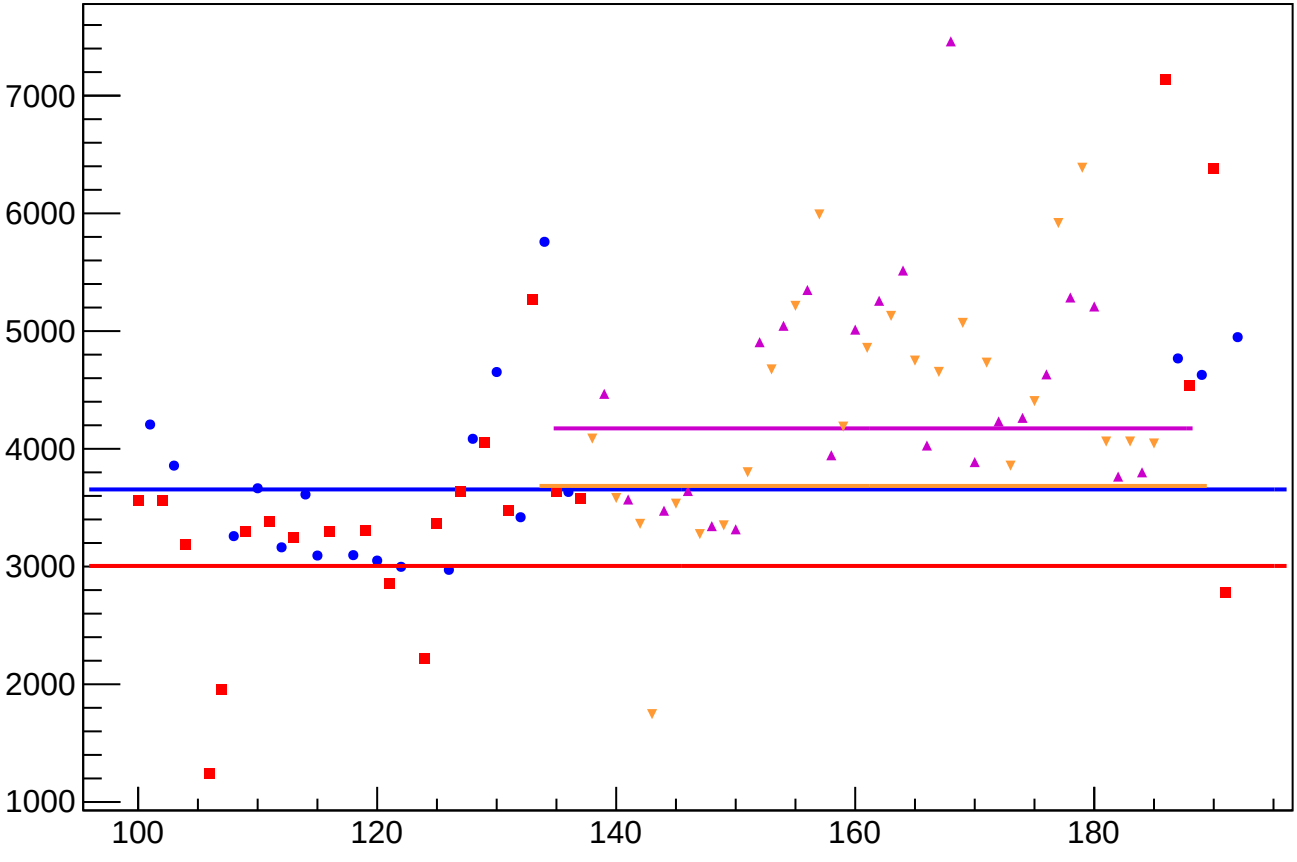
Right: 531.362+/-807.713 χ^2/NDF: 43.4/41

In: 142.859+/-778.287 χ^2/NDF:29.9/41

Out: 281.800+/-679.822 χ^2/NDF:56.8/47

All: 221.669+/-512.002 χ^2/NDF: 86.8/89

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: 3005.128+/-0.749 χ^2/NDF: 2218383.6/22

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

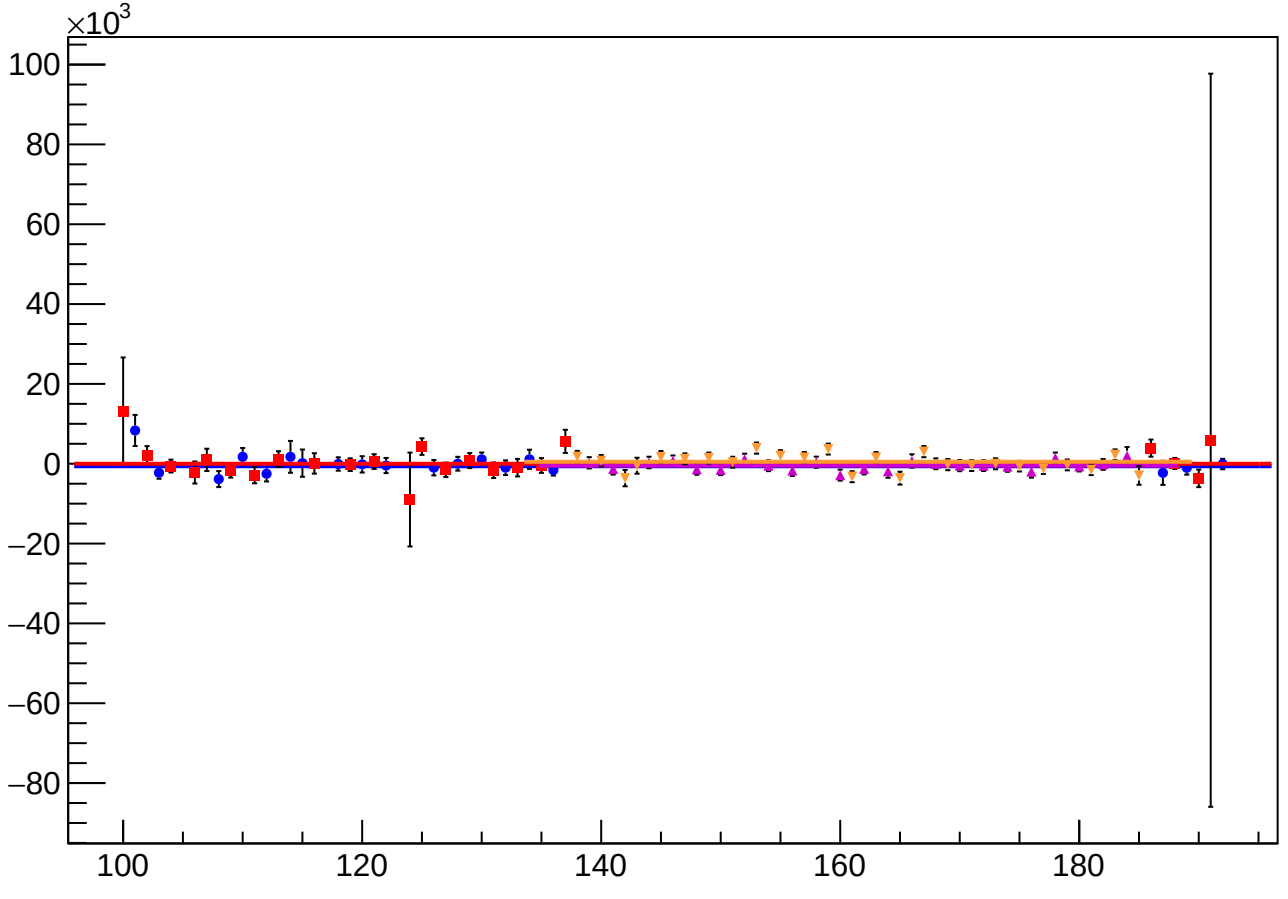
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3277.132+/-0.571 χ^2/NDF: 3111234.9/41

In: 3972.059+/-0.550 χ^2/NDF:2063631.1/41

Out: 3404.818+/-0.481 χ^2/NDF:6396252.7/47

All: 3650.307+/-0.362 χ^2/NDF: 9062497.1/89



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: -6.324+/-440.646 χ^2/NDF: 22.4/22

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

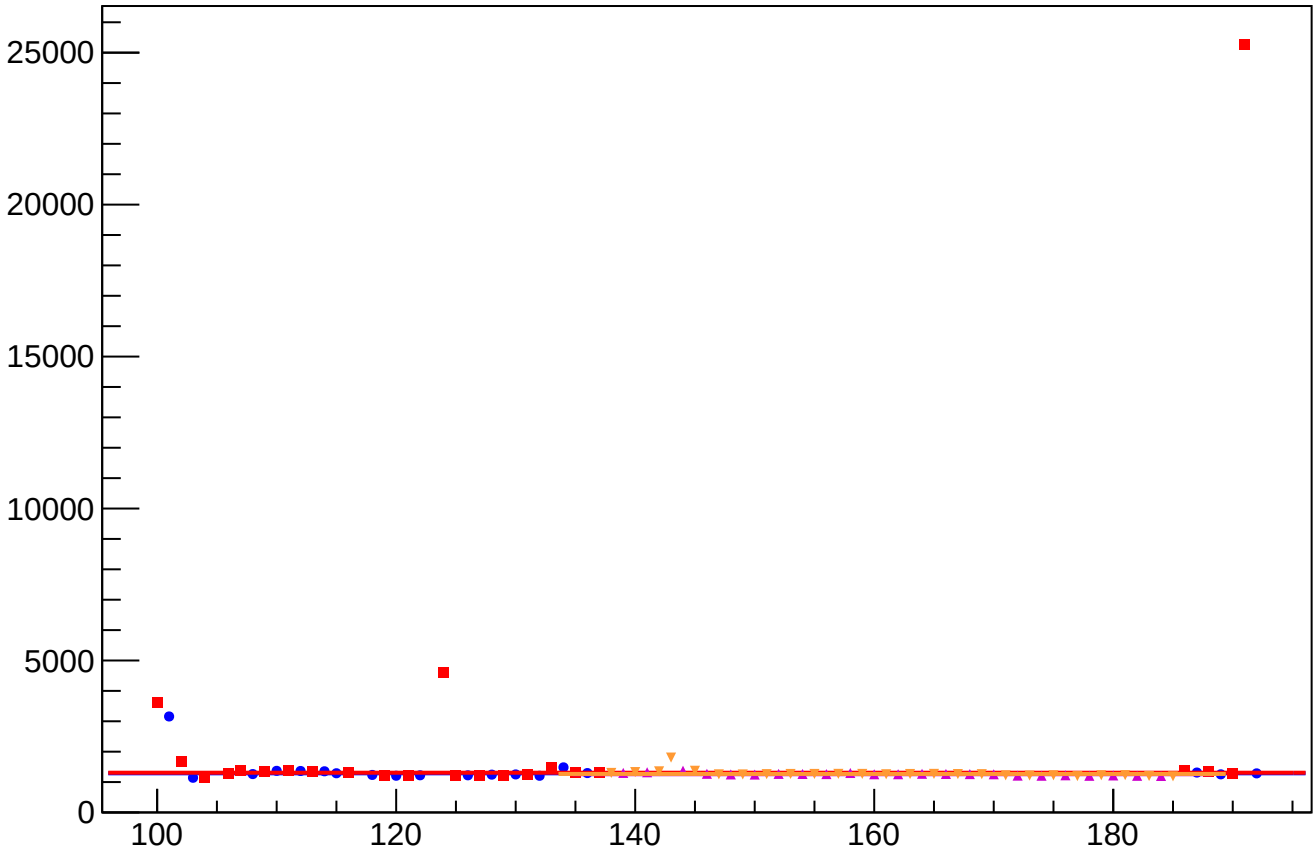
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -319.979+/-310.502 χ^2/NDF: 37.9/41

In: -531.019+/-243.906 χ^2/NDF:28.9/41

Out: 342.540+/-241.366 χ^2/NDF:70.2/47

All: -89.667+/-171.563 χ^2/NDF: 105.6/89



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: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

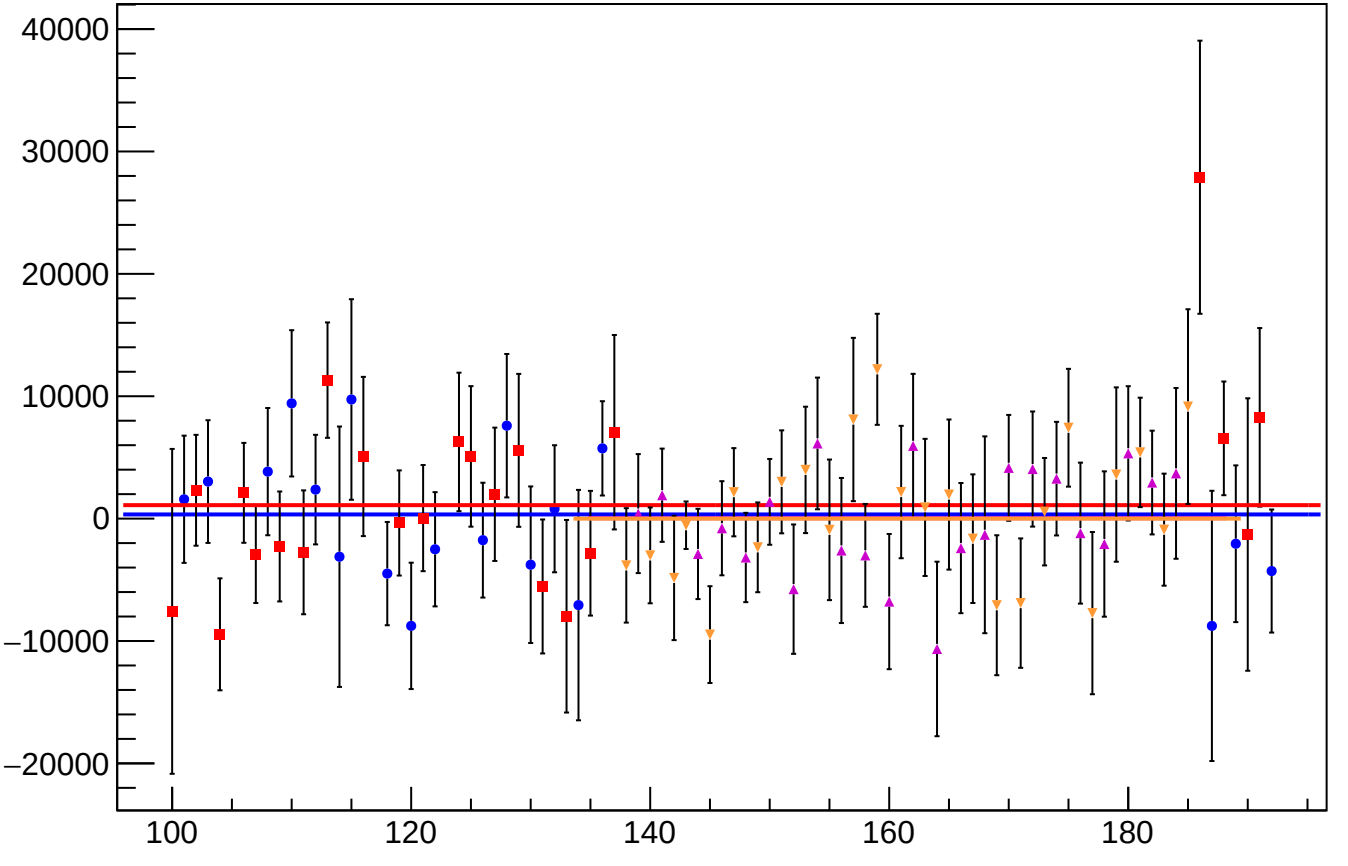
Right: 1297.507+/-0.219 χ^2/NDF: 988415.6/41

In: 1266.790+/-0.172 χ^2/NDF:558778.1/41

Out: 1279.256+/-0.171 χ^2/NDF:670241.2/47

All: 1273.091+/-0.121 χ^2/NDF: 1231660.1/89

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: 1100.868+/-1121.138 χ^2/NDF: 27.3/22

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

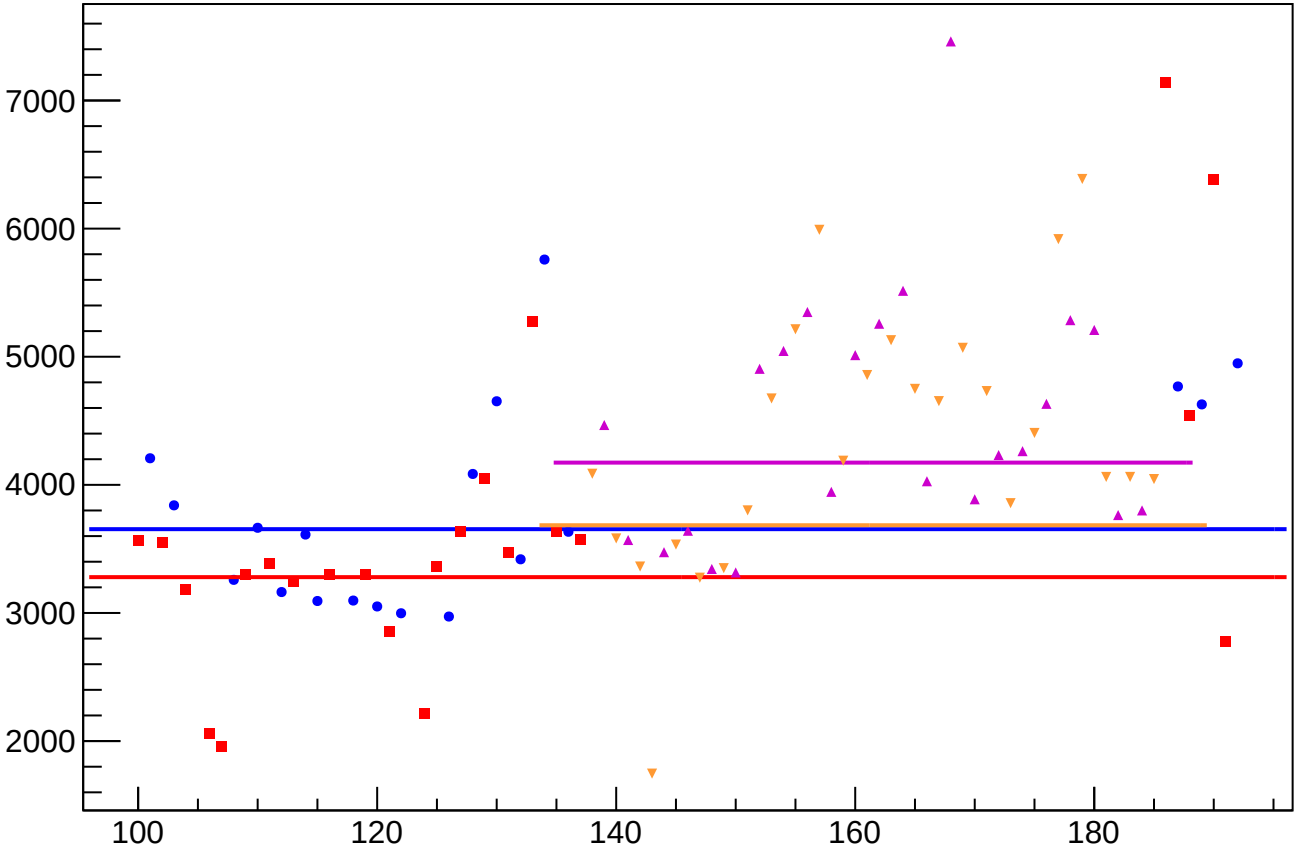
Right: 761.586+/-834.058 χ^2/NDF: 43.4/41

In: 151.909+/-778.194 χ^2/NDF:30.0/41

Out: 423.166+/-695.372 χ^2/NDF:56.9/47

All: 302.735+/-518.520 χ^2/NDF: 87.0/89

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: 3279.674+/-0.793 χ^2/NDF: 1231847.1/22

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

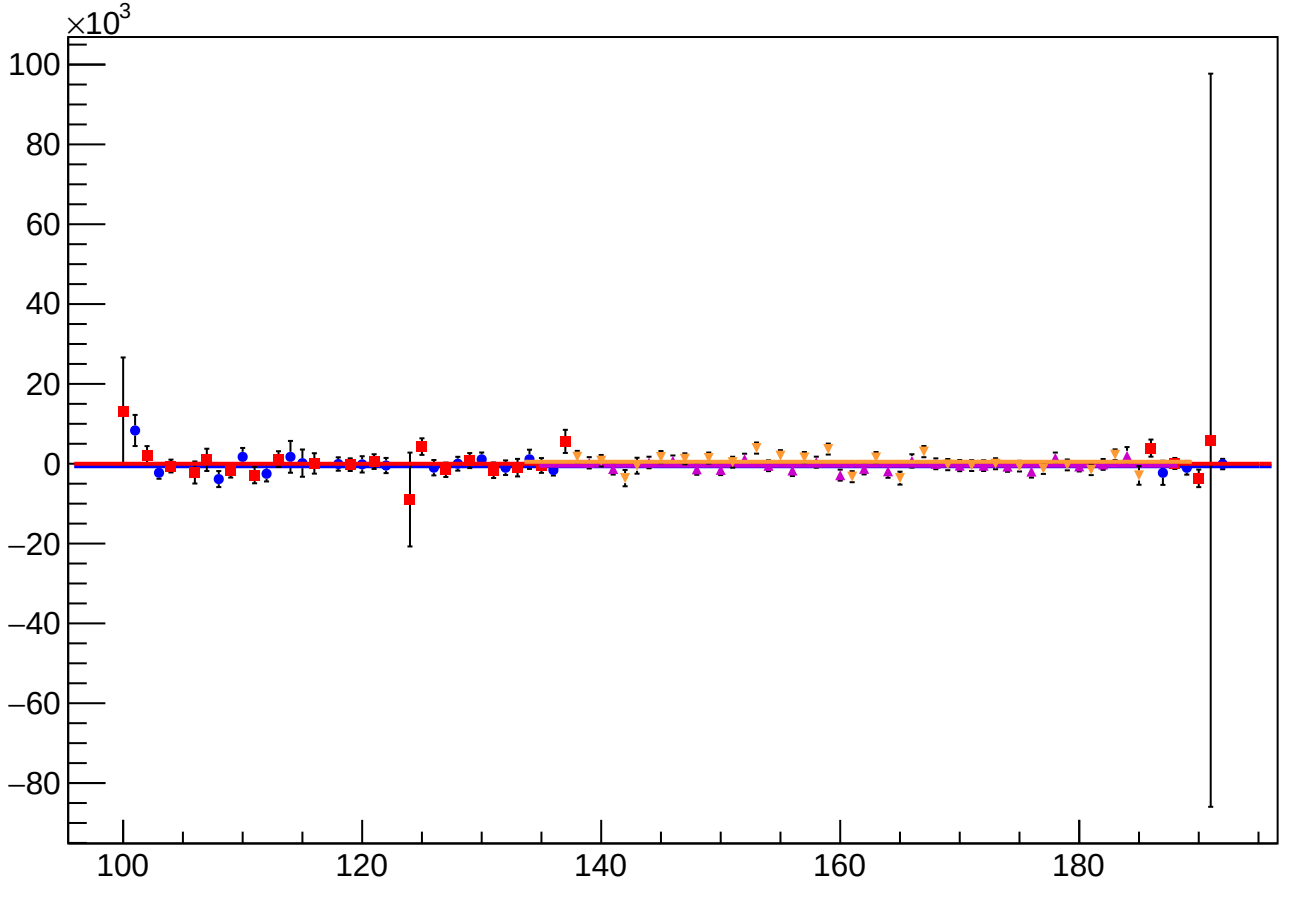
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3446.888+/-0.590 χ^2/NDF: 1908797.4/41

In: 3971.630+/-0.550 χ^2/NDF:2064019.8/41

Out: 3528.926+/-0.492 χ^2/NDF:5086191.5/47

All: 3725.474+/-0.367 χ^2/NDF: 7510107.6/89



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: -6.324+/-440.646 χ^2/NDF: 22.4/22

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

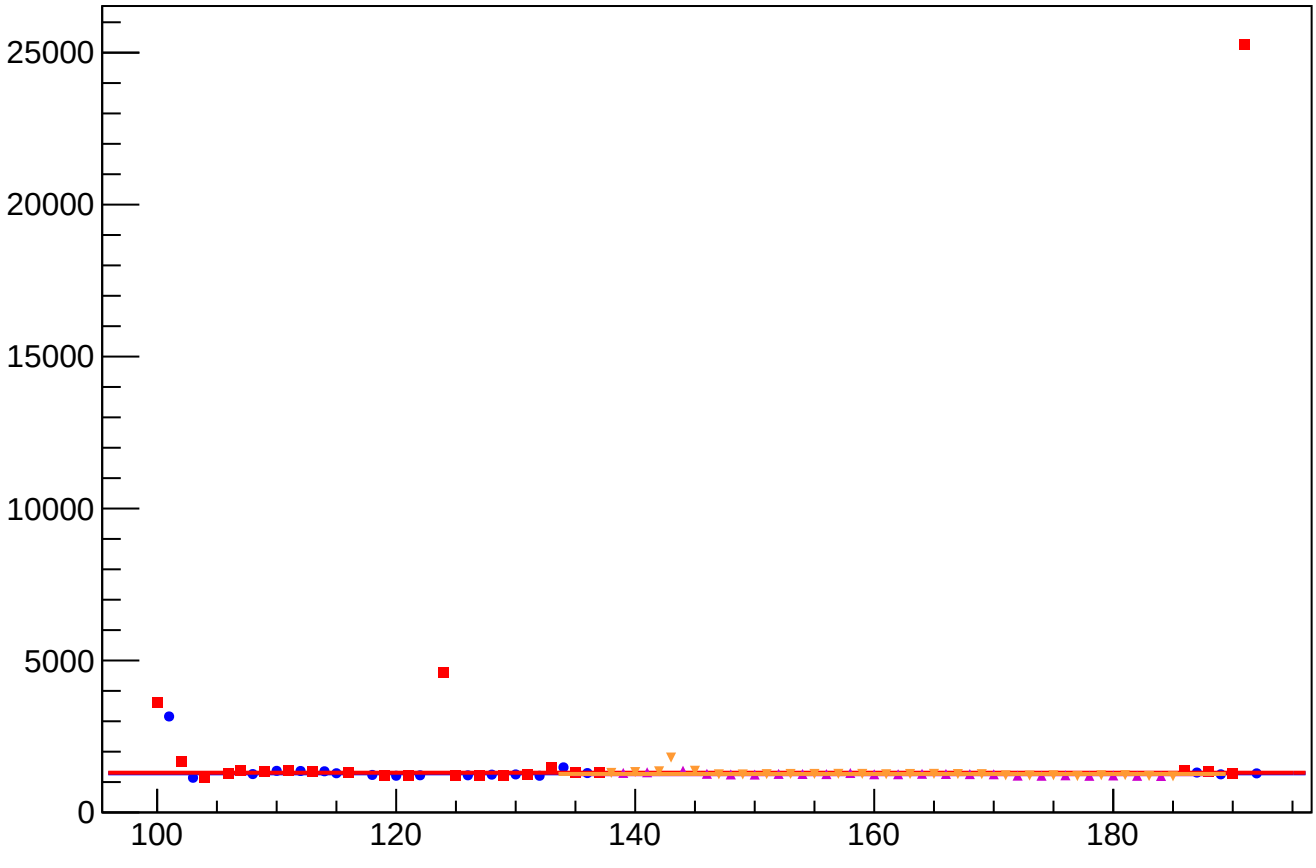
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -319.979+/-310.502 χ^2/NDF: 37.9/41

In: -531.019+/-243.906 χ^2/NDF:28.9/41

Out: 342.540+/-241.366 χ^2/NDF:70.2/47

All: -89.667+/-171.563 χ^2/NDF: 105.6/89



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: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

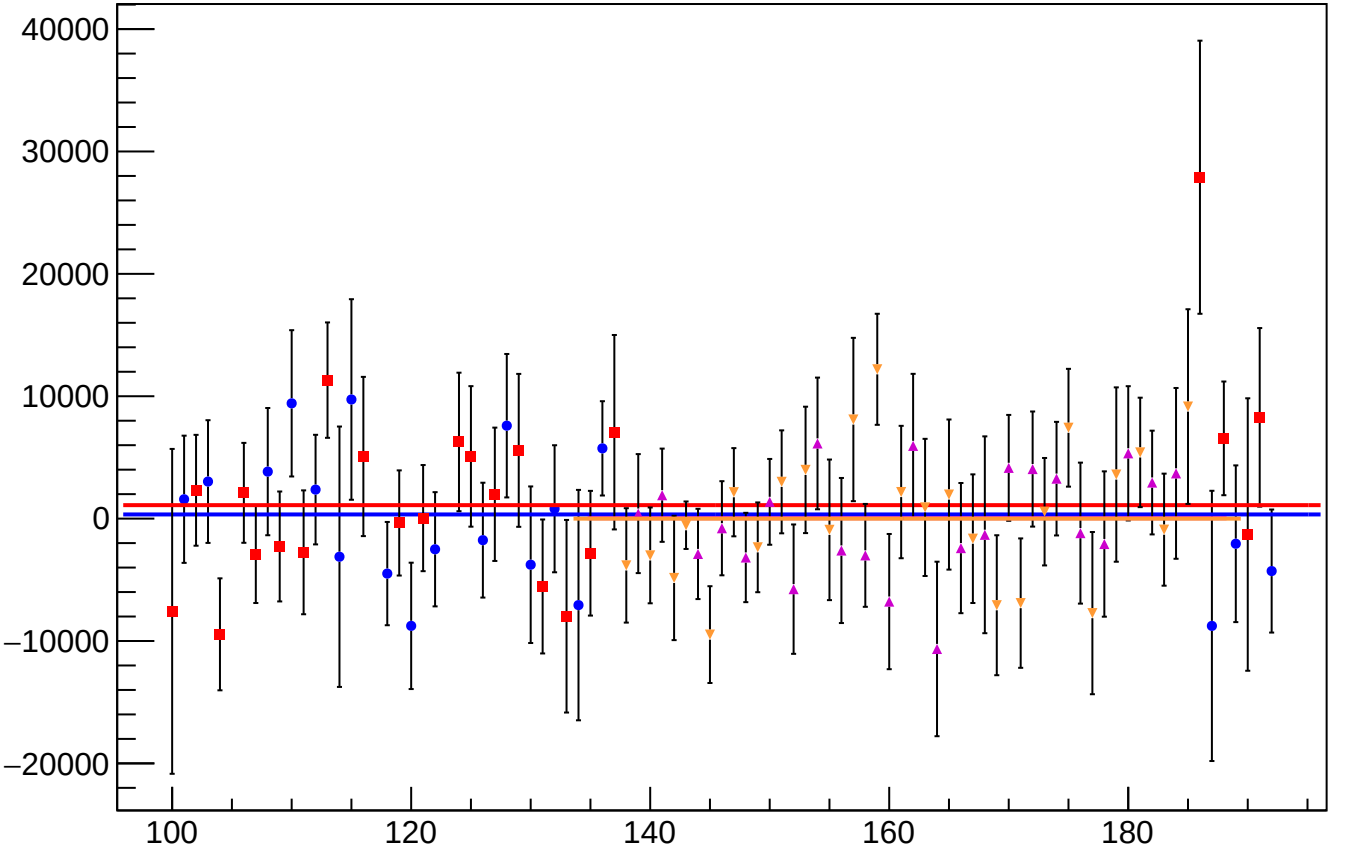
Right: 1297.507+/-0.219 χ^2/NDF: 988415.6/41

In: 1266.790+/-0.172 χ^2/NDF:558778.1/41

Out: 1279.256+/-0.171 χ^2/NDF:670241.2/47

All: 1273.091+/-0.121 χ^2/NDF: 1231660.1/89

asym_at1_avg_at2_avg_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: 1100.868+/-1121.138 χ^2/NDF: 27.3/22

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

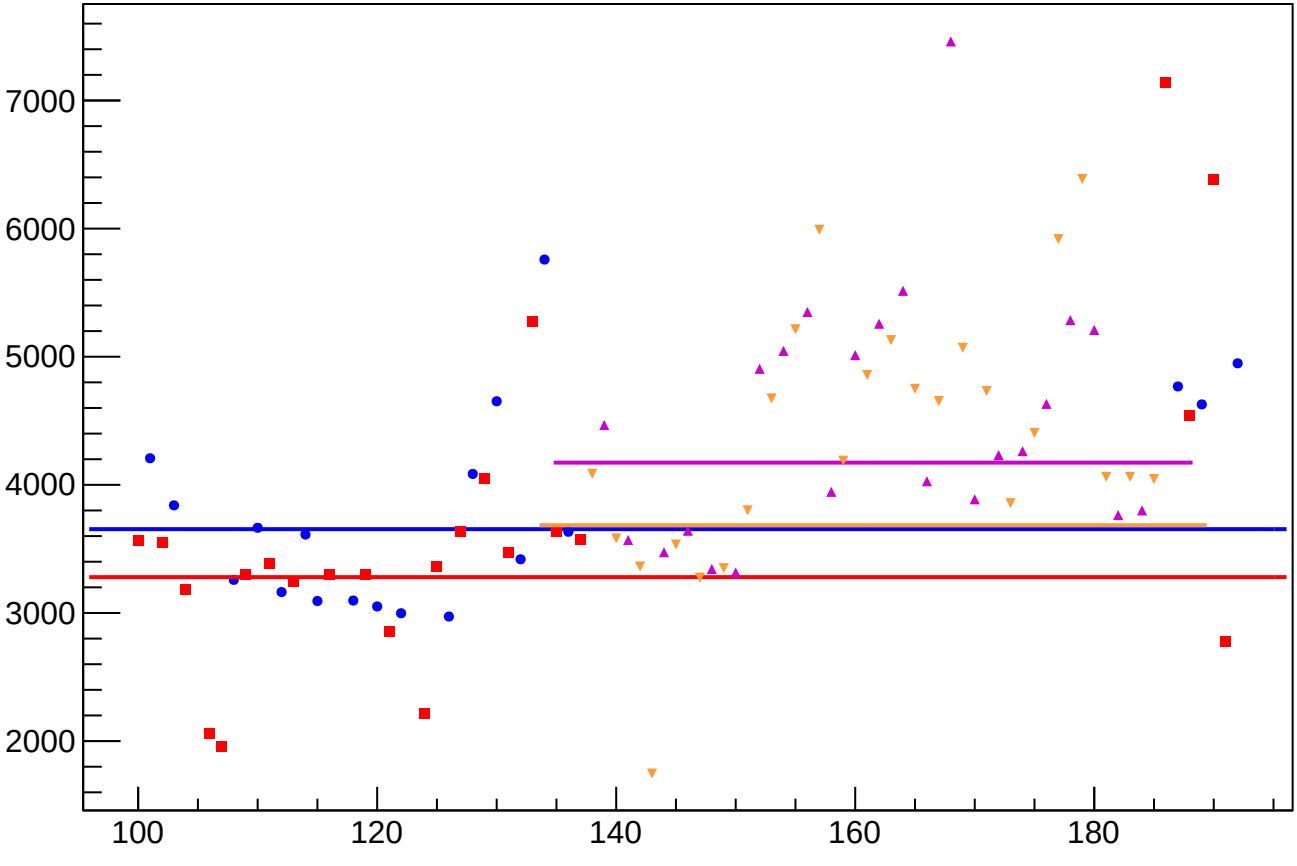
Right: 761.586+/-834.058 χ^2/NDF: 43.4/41

In: 151.909+/-778.194 χ^2/NDF:30.0/41

Out: 423.166+/-695.372 χ^2/NDF:56.9/47

All: 302.735+/-518.520 χ^2/NDF: 87.0/89

asym_at1_avg_at2_avg_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: 3279.674+/-0.793 χ^2/NDF: 1231847.1/22

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

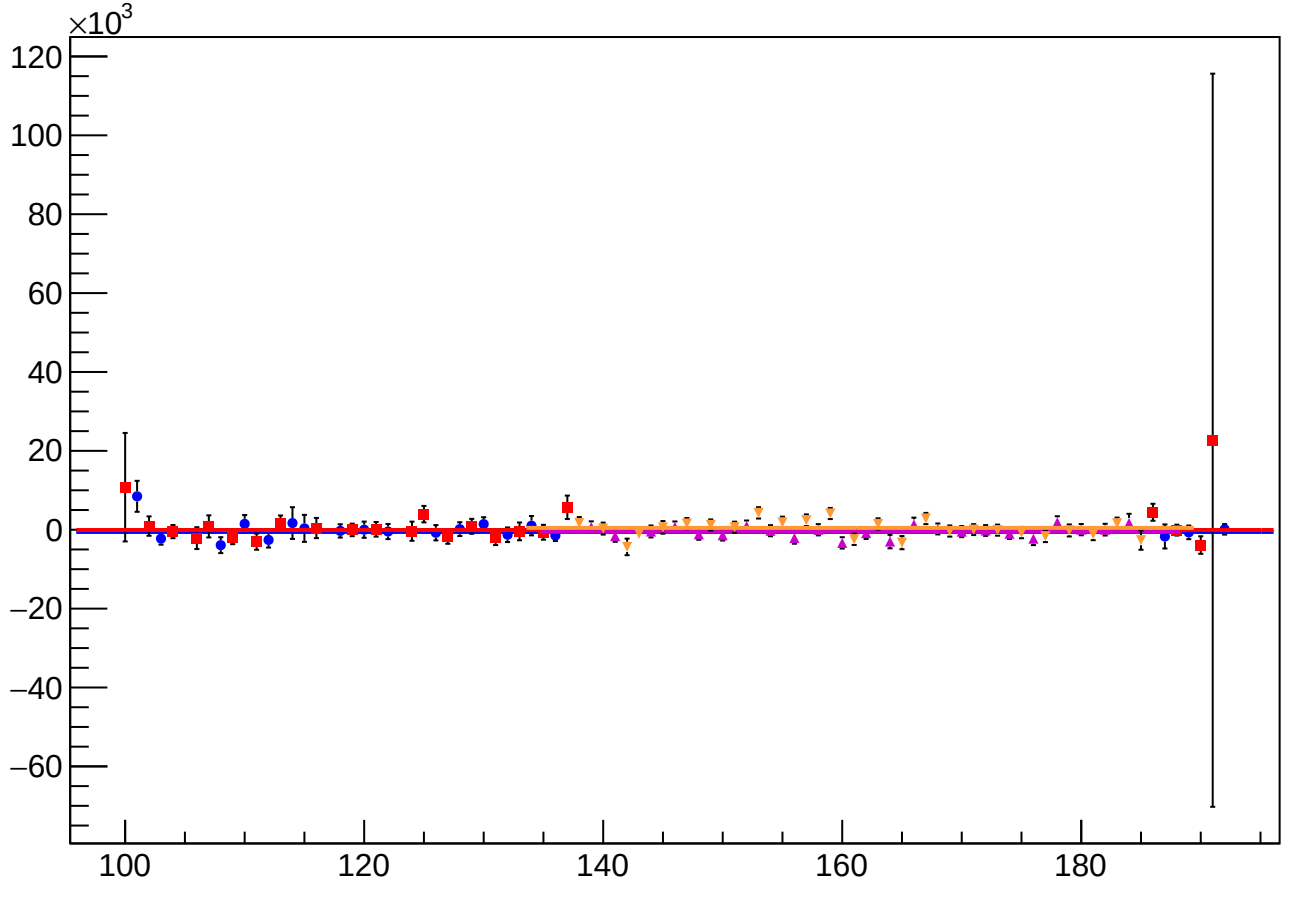
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3446.888+/-0.590 χ^2/NDF: 1908797.4/41

In: 3971.630+/-0.550 χ^2/NDF:2064019.8/41

Out: 3528.926+/-0.492 χ^2/NDF:5086191.5/47

All: 3725.474+/-0.367 χ^2/NDF: 7510107.6/89



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: -65.149+/-439.232 χ^2/NDF: 22.3/22

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

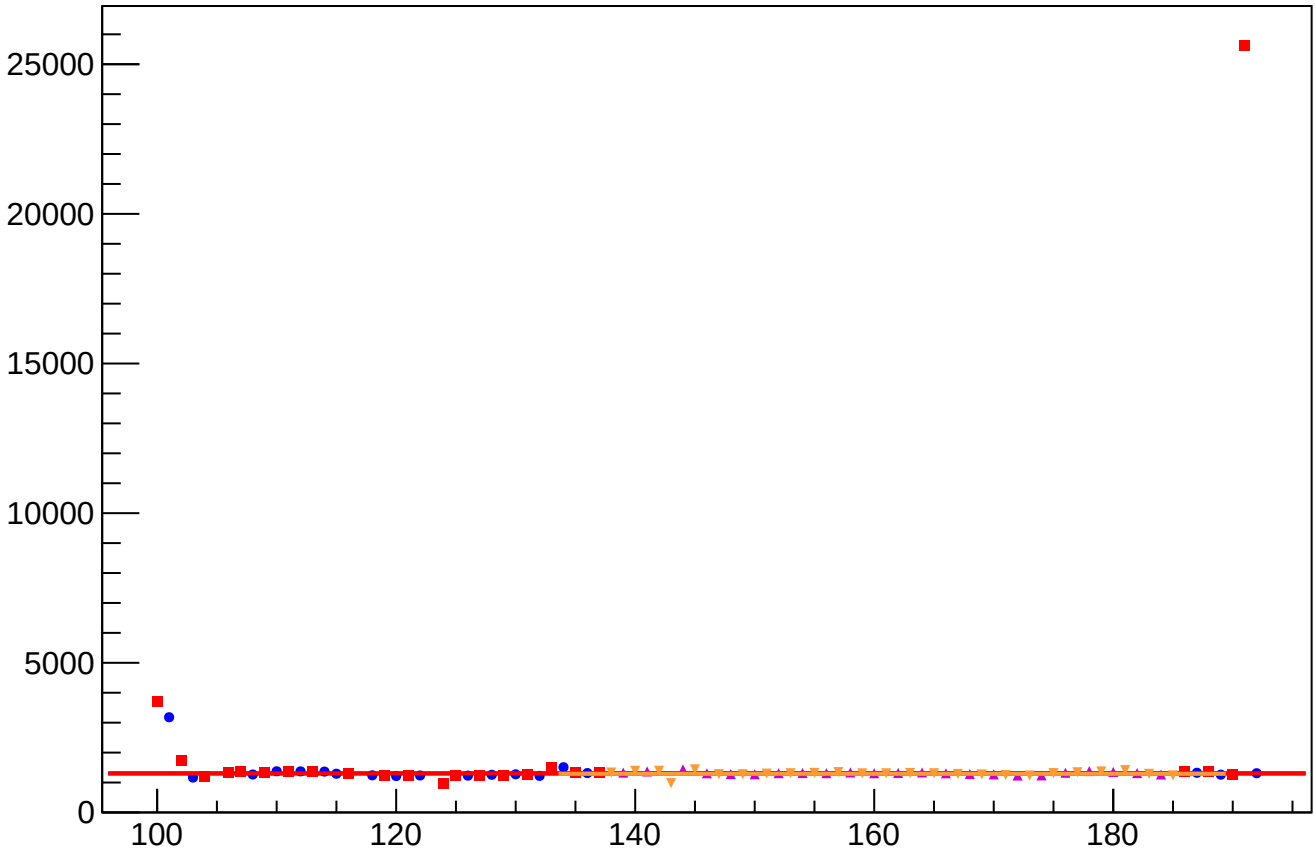
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -308.537+/-311.832 χ^2/NDF: 37.4/41

In: -520.548+/-252.322 χ^2/NDF:31.9/41

Out: 302.792+/-244.467 χ^2/NDF:67.4/47

All: -95.864+/-175.576 χ^2/NDF: 104.8/89



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: 1306.774+/-0.310 χ^2/NDF: 359849.5/22

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

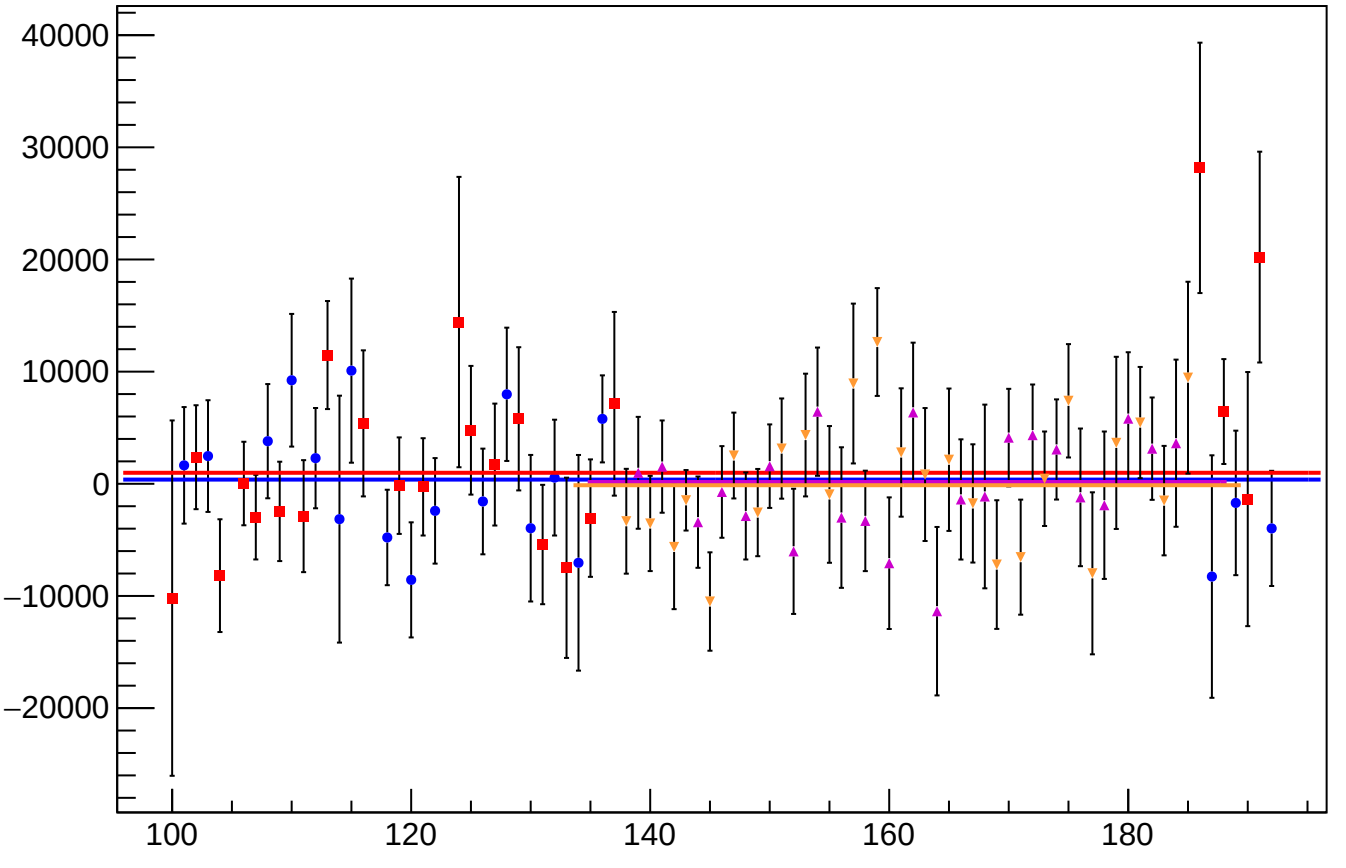
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1304.690+/-0.220 χ^2/NDF: 871811.5/41

In: 1310.292+/-0.178 χ^2/NDF:555816.7/41

Out: 1296.036+/-0.173 χ^2/NDF:592319.3/47

All: 1302.937+/-0.124 χ^2/NDF: 1151429.6/89



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: 981.731+/-1141.605 χ^2/NDF: 29.0/22

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

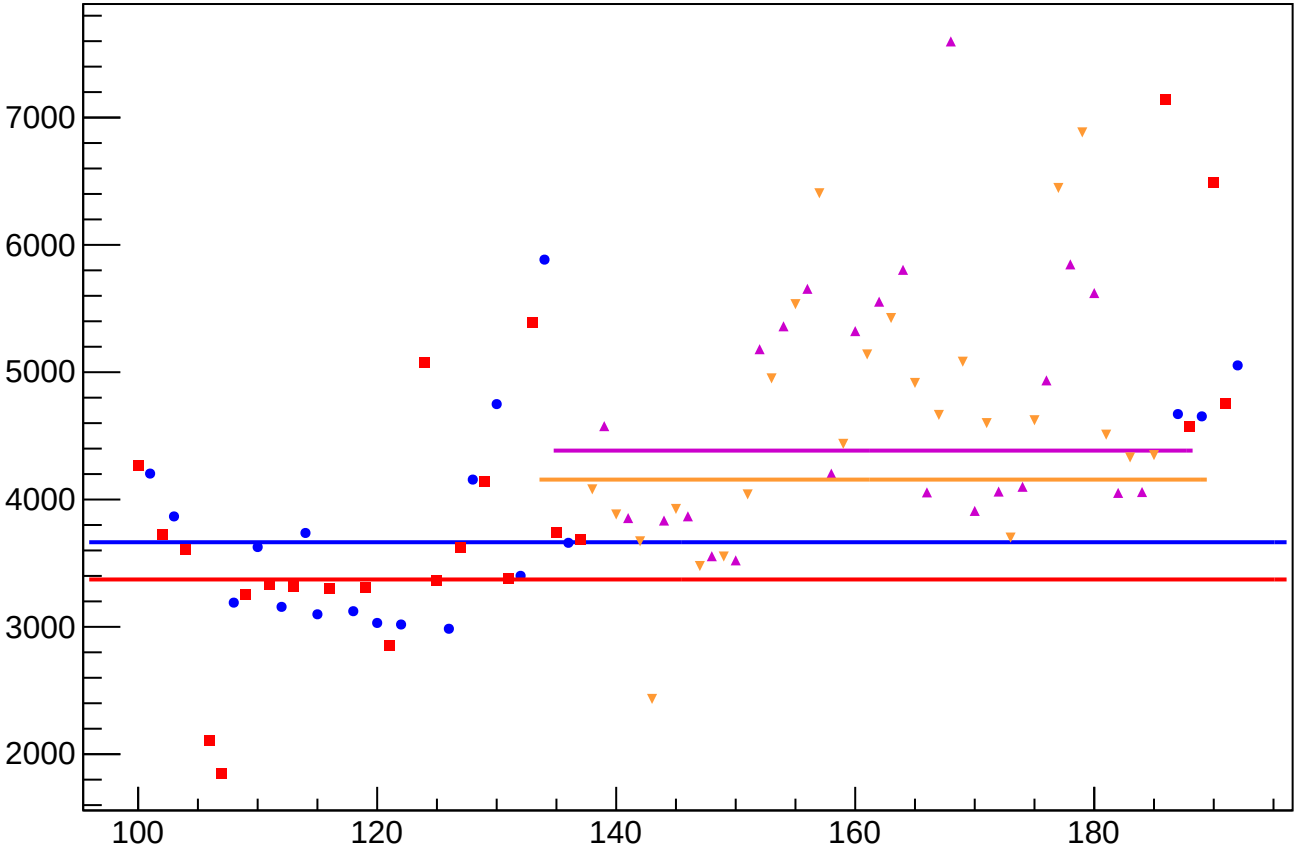
Right: 706.092+/-843.523 χ^2/NDF: 44.8/41

In: 247.877+/-802.456 χ^2/NDF:29.5/41

Out: 341.710+/-742.382 χ^2/NDF:58.1/47

All: 298.437+/-544.945 χ^2/NDF: 87.6/89

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: 3372.159+/-0.807 χ^2/NDF: 1371232.1/22

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

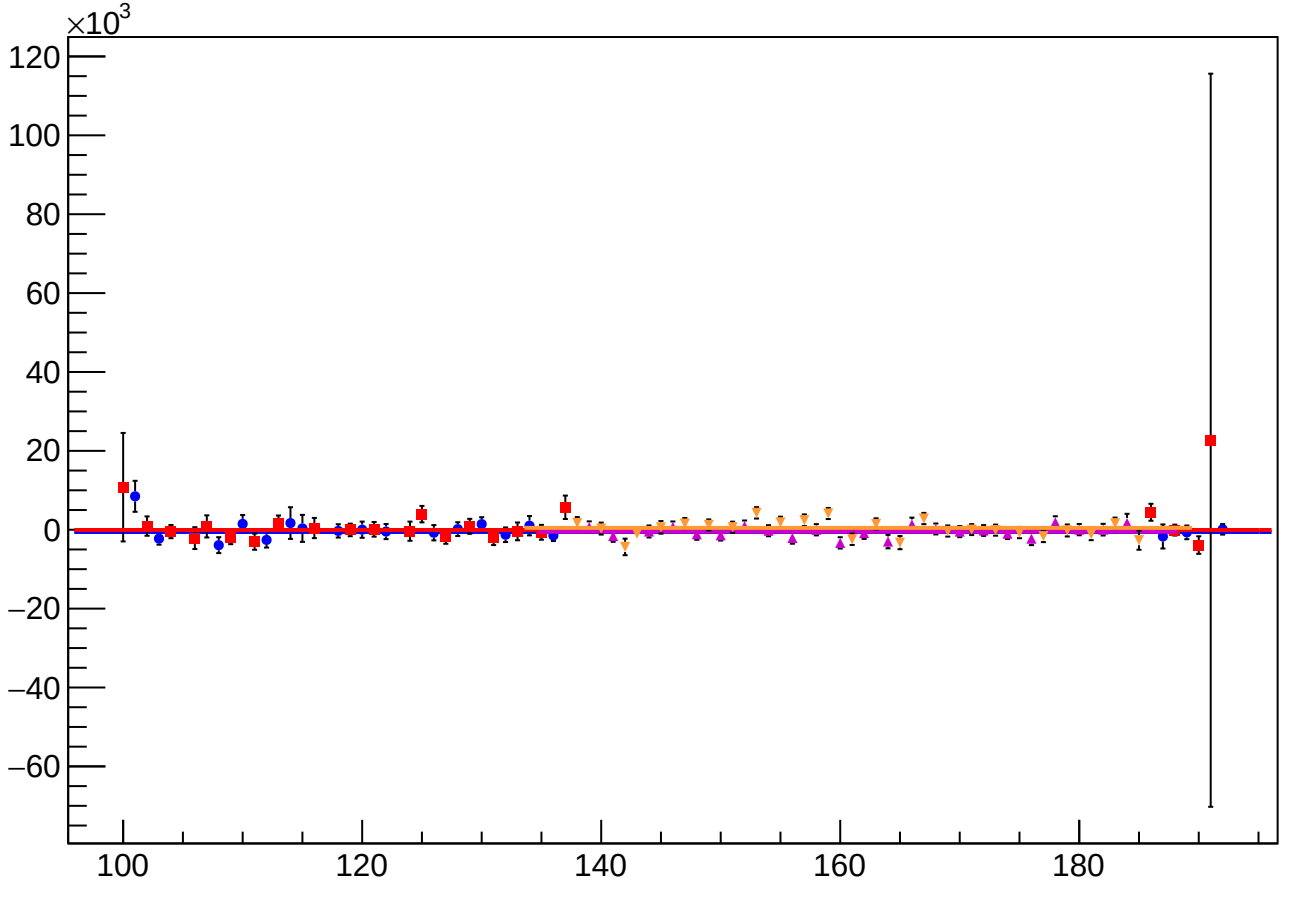
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3504.977+/-0.596 χ^2/NDF: 2042161.1/41

In: 4088.620+/-0.567 χ^2/NDF:2256128.5/41

Out: 3824.860+/-0.525 χ^2/NDF:3996952.8/47

All: 3946.499+/-0.385 χ^2/NDF: 6369509.3/89



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: -65.155+/-439.232 χ^2/NDF: 22.3/22

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

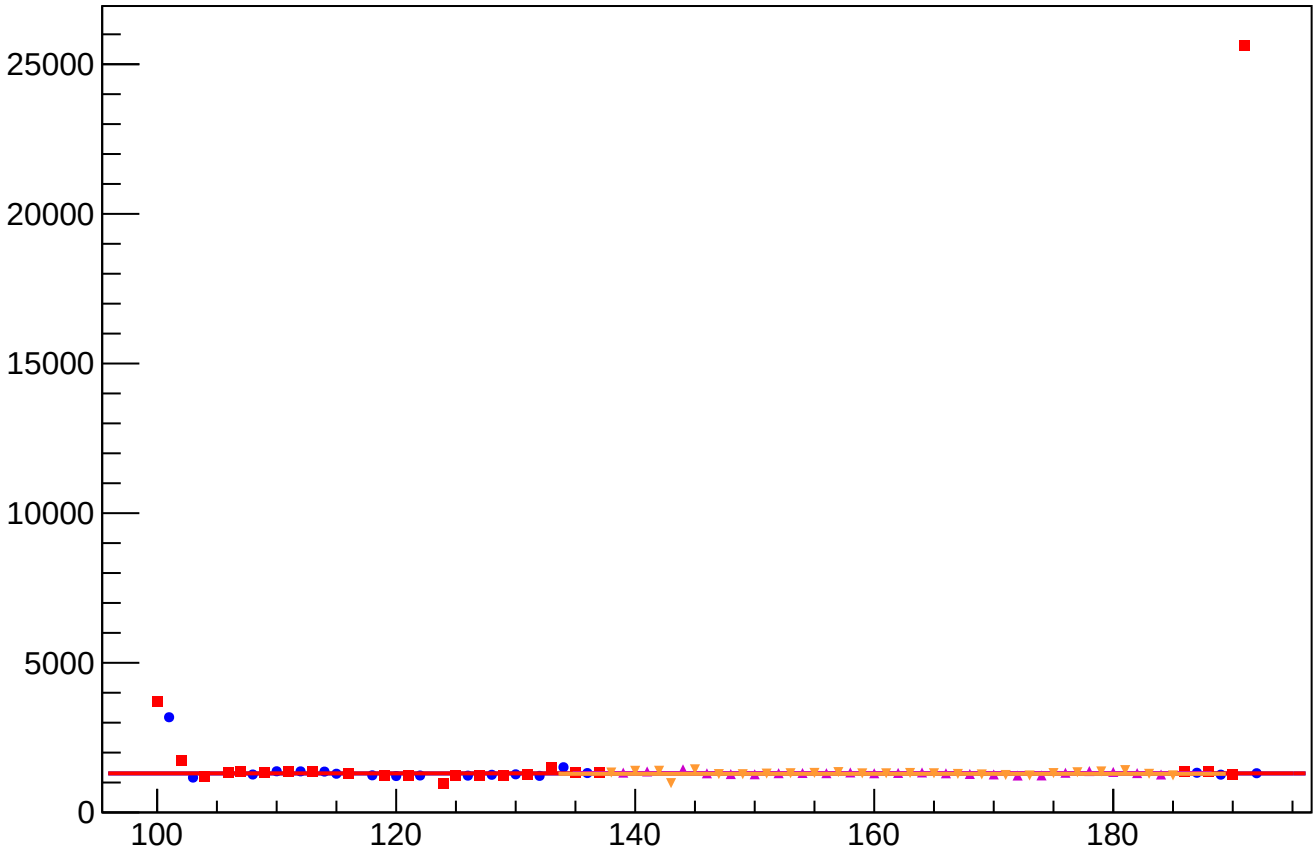
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -308.542+/-311.832 χ^2/NDF: 37.4/41

In: -520.549+/-252.322 χ^2/NDF:31.9/41

Out: 302.793+/-244.467 χ^2/NDF:67.4/47

All: -95.864+/-175.576 χ^2/NDF: 104.8/89



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: 1306.774+/-0.310 χ^2/NDF: 359849.6/22

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

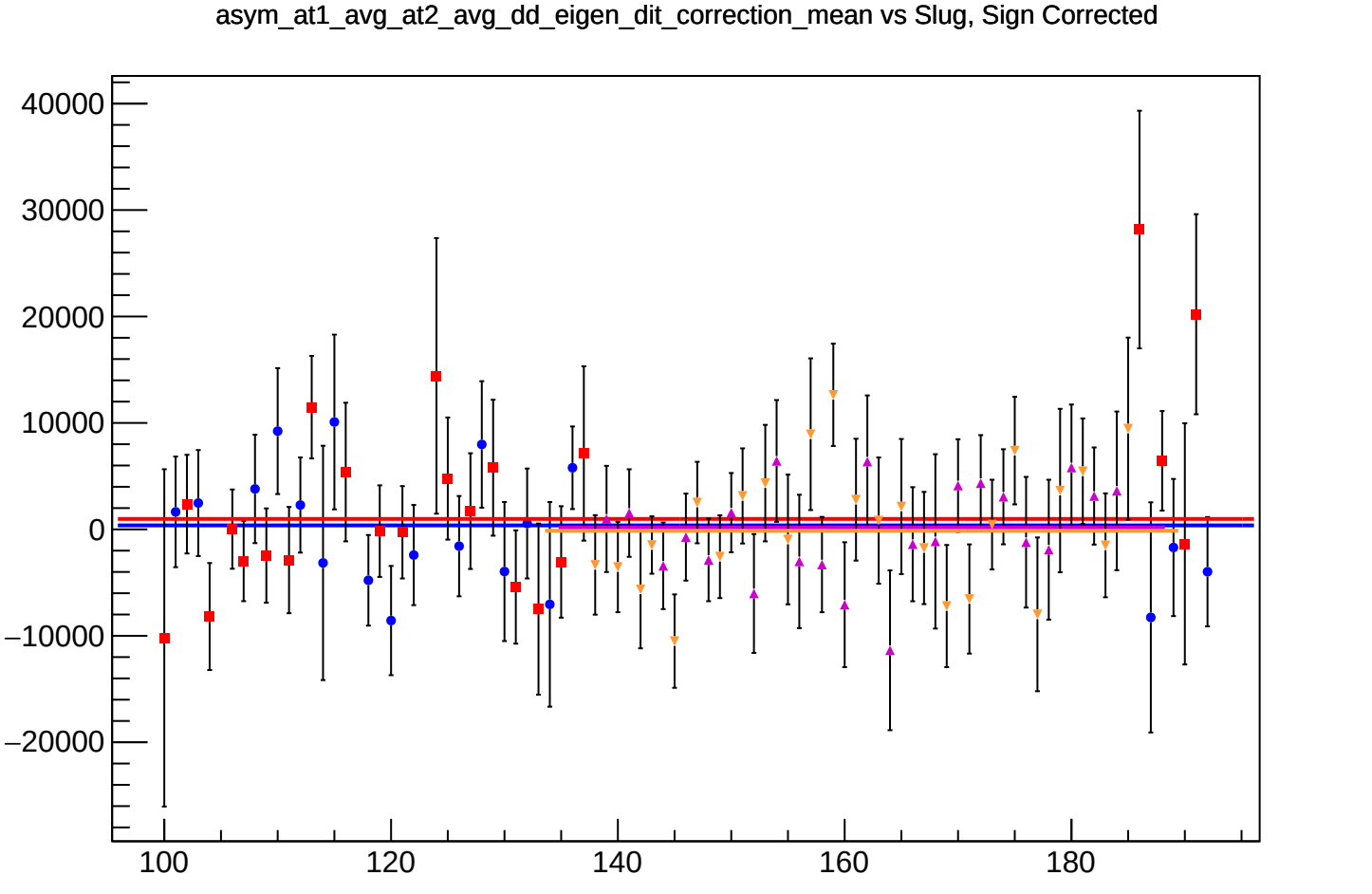
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1304.690+/-0.220 χ^2/NDF: 871811.8/41

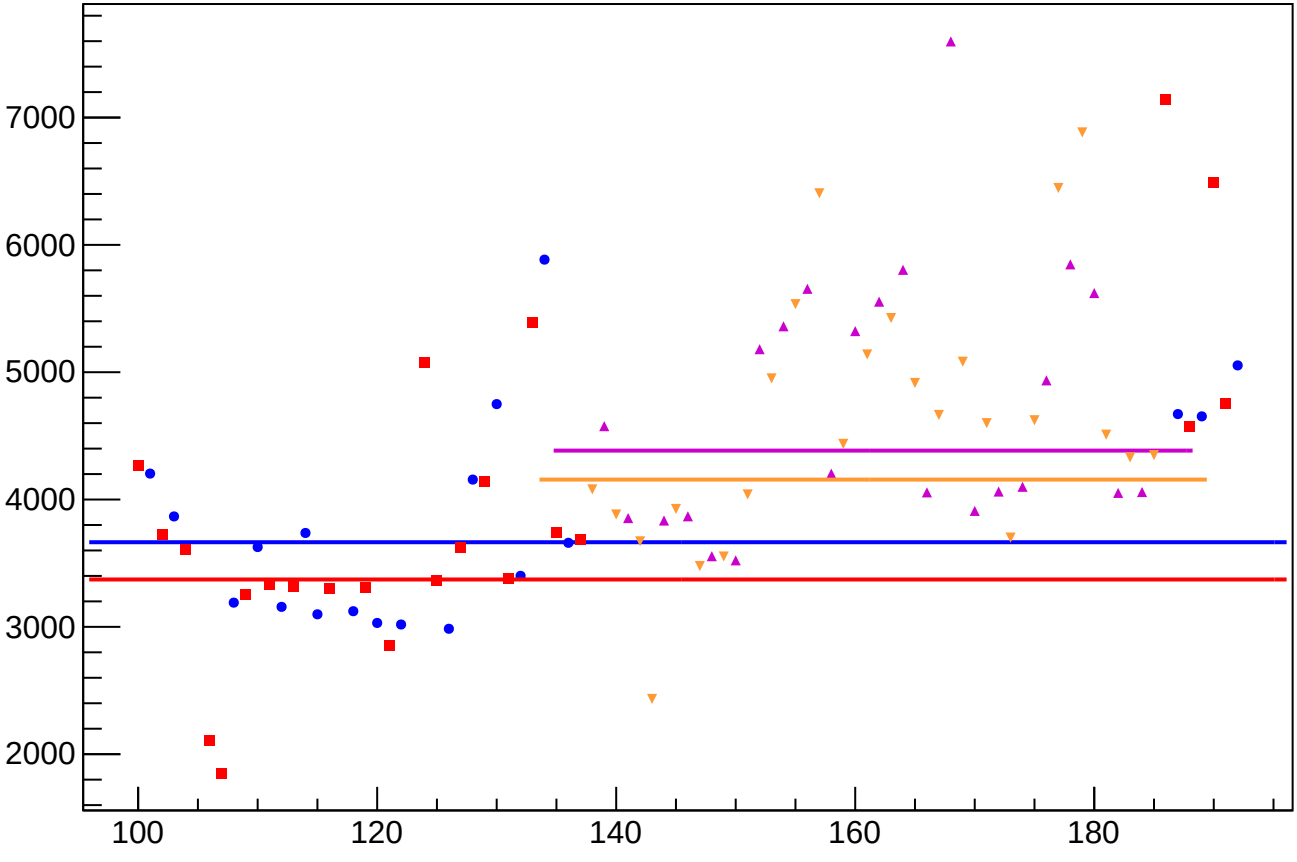
In: 1310.293+/-0.178 χ^2/NDF:555819.3/41

Out: 1296.037+/-0.173 χ^2/NDF:592321.6/47

All: 1302.938+/-0.124 χ^2/NDF: 1151434.4/89


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: 981.723+/-1141.603 χ²/NDF: 29.0/22
Left In: 159.454+/-1045.511 χ²/NDF:13.8/22
Left: 6.424+/-713.926 χ²/NDF: 42.4/47
Right: 706.084+/-843.521 χ²/NDF: 44.8/41
In: 247.875+/-802.456 χ²/NDF:29.5/41
Out: 341.710+/-742.383 χ²/NDF:58.1/47
All: 298.436+/-544.945 χ²/NDF: 87.6/89

asym_at1_avg_at2_avg_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: 3372.151+/-0.807 χ^2/NDF: 1371238.4/22

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

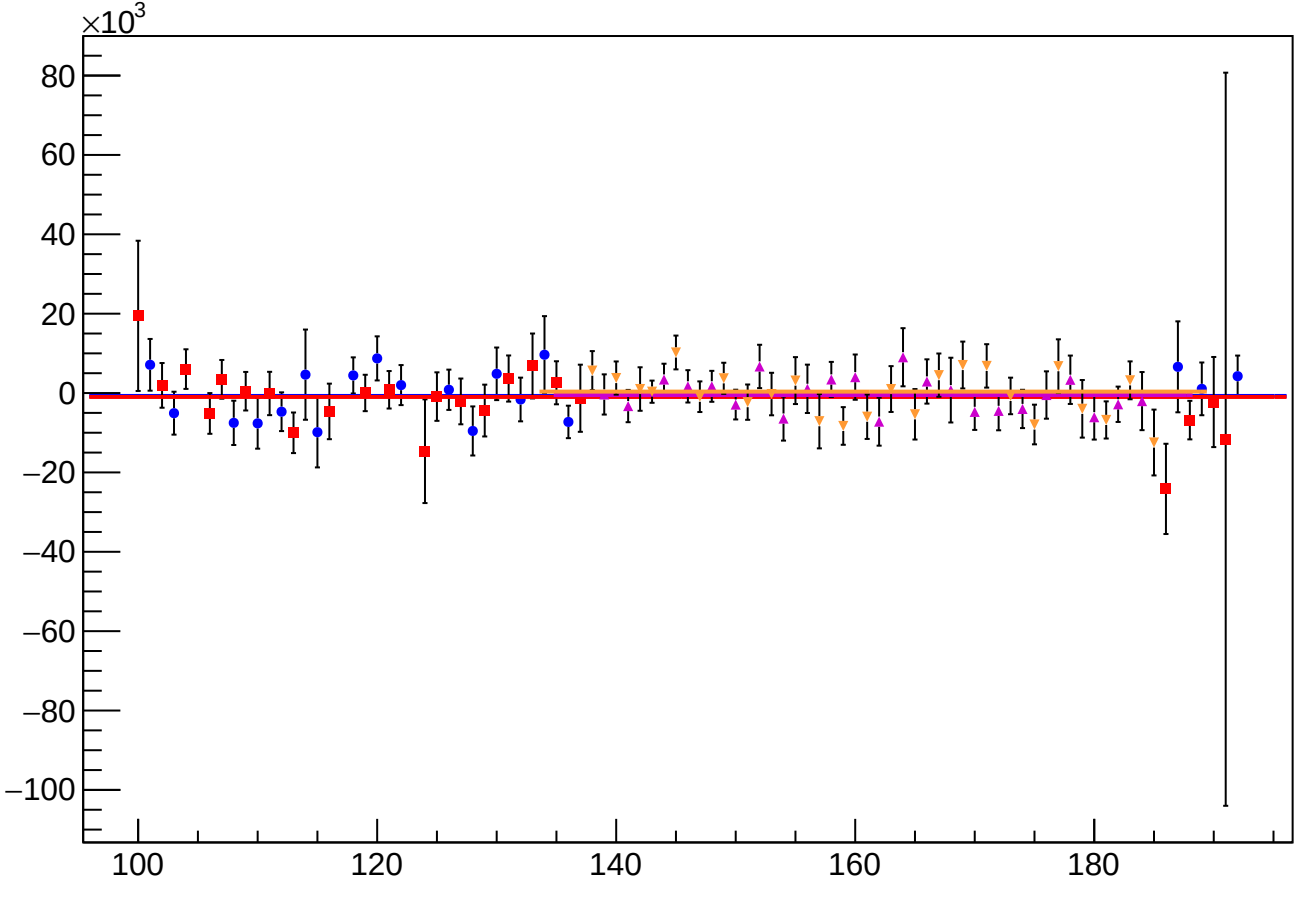
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3504.969+/-0.596 χ^2/NDF: 2042176.2/41

In: 4088.620+/-0.567 χ^2/NDF:2256158.4/41

Out: 3824.859+/-0.525 χ^2/NDF:3996982.0/47

All: 3946.498+/-0.385 χ^2/NDF: 6369568.5/89



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: -983.106+/-1271.828 χ^2/NDF: 17.6/22

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

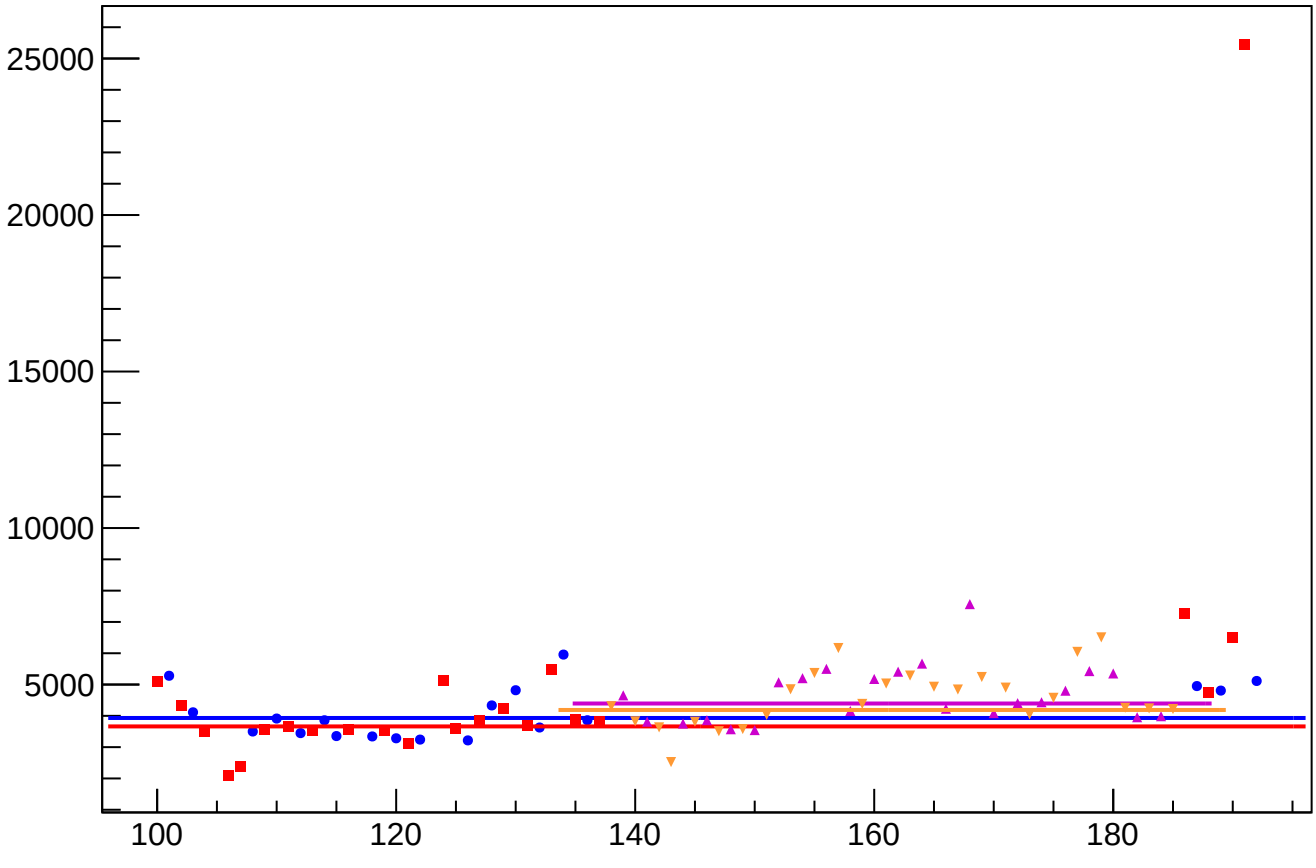
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -864.911+/-923.137 χ^2/NDF: 36.8/41

In: -586.492+/-824.370 χ^2/NDF:33.0/41

Out: -138.691+/-776.209 χ^2/NDF:46.0/47

All: -349.129+/-565.122 χ^2/NDF: 79.2/89



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: 3662.212+/-0.888 χ^2/NDF: 1163470.1/22

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

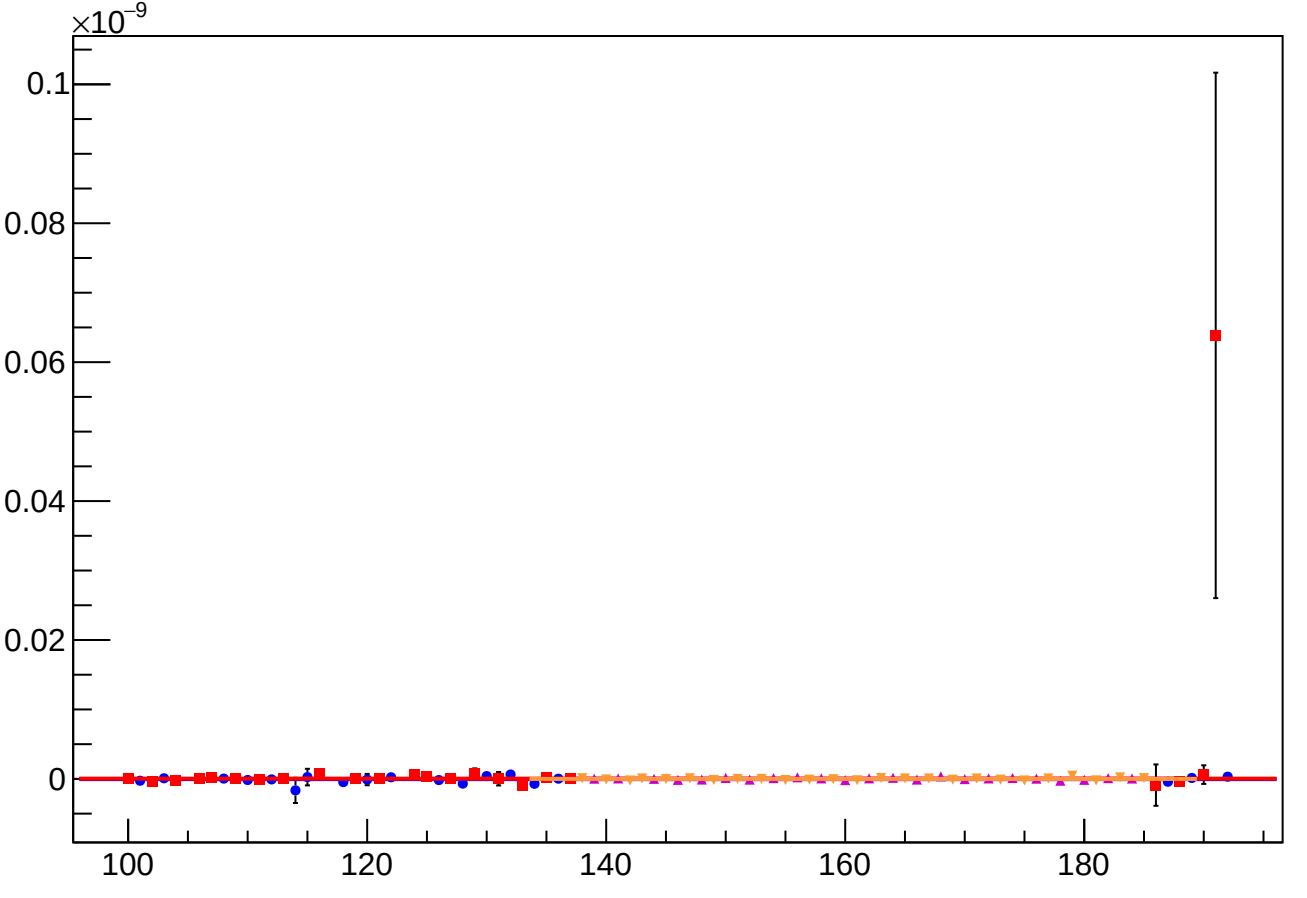
Right: 3788.241+/-0.648 χ^2/NDF: 1764596.7/41

In: 4219.911+/-0.583 χ^2/NDF:1794134.5/41

Out: 3988.990+/-0.546 χ^2/NDF:3177552.2/47

All: 4096.971+/-0.399 χ^2/NDF: 5055236.8/89

asym_at1_avg_at2_avg_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: 21.3/22

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

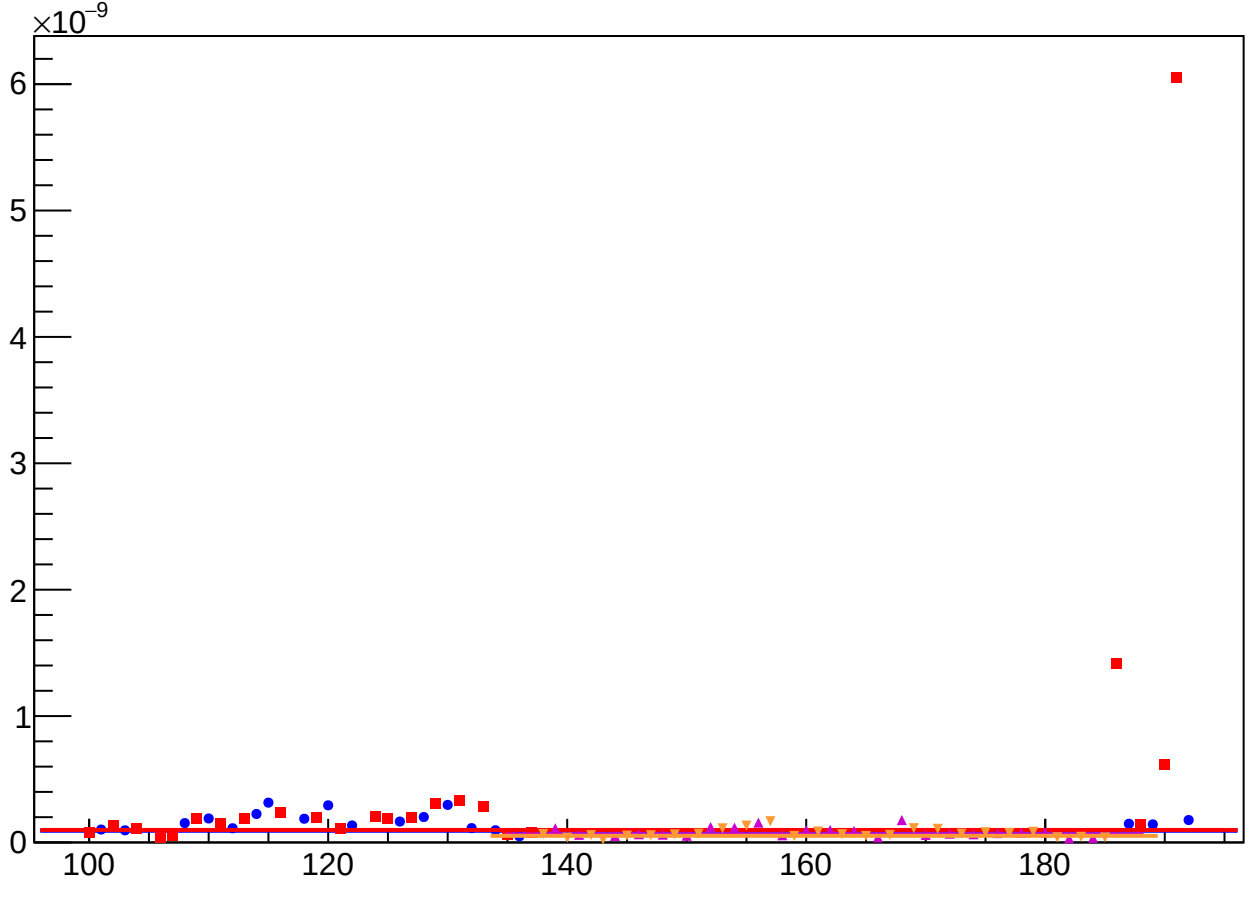
Right: -0.000+/-0.000 χ^2/NDF: 40.1/41

In: 0.000+/-0.000 χ^2/NDF:35.8/41

Out: 0.000+/-0.000 χ^2/NDF:52.1/47

All: 0.000+/-0.000 χ^2/NDF: 88.1/89

asym_at1_avg_at2_avg_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: 2536214.4/22

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

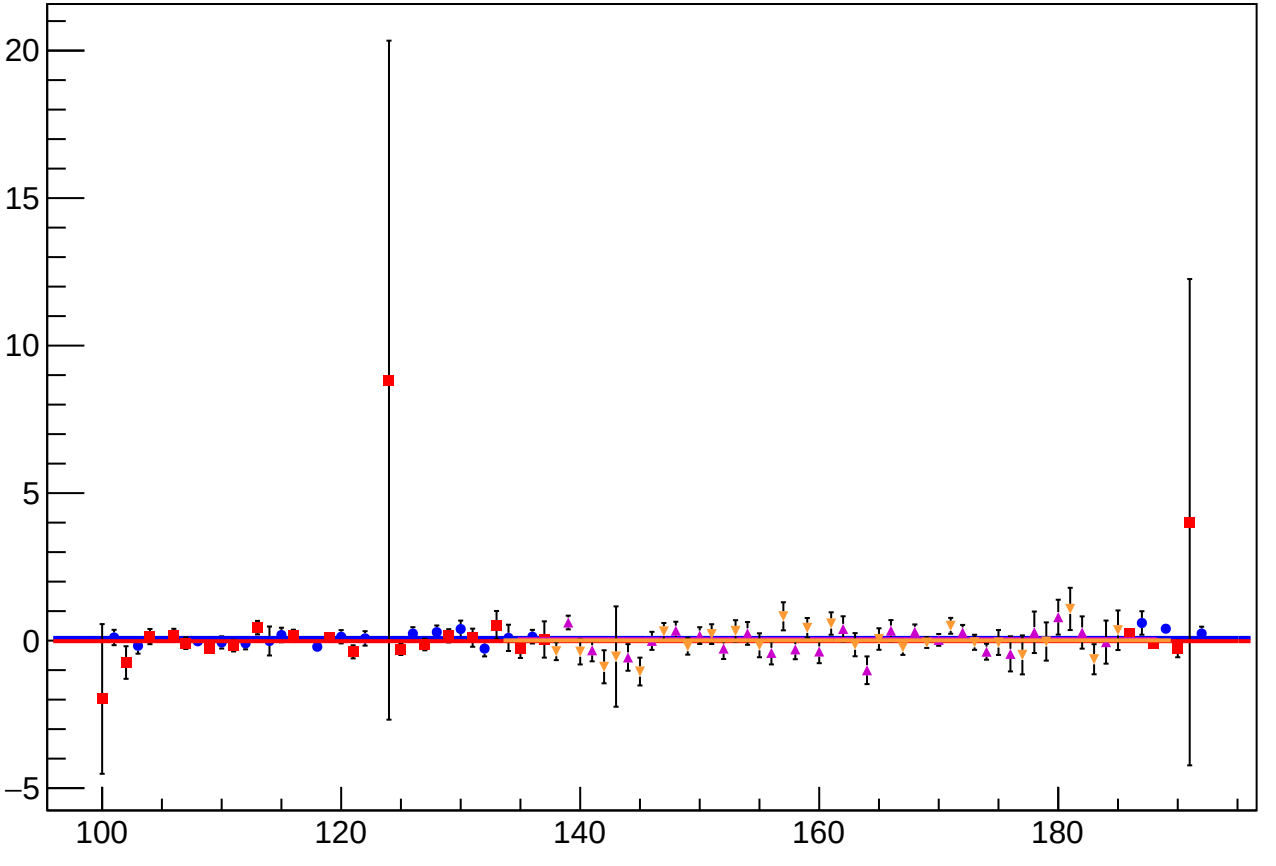
Right: 0.000+/-0.000 χ^2/NDF: 4153016.6/41

In: 0.000+/-0.000 χ^2/NDF:3819084.5/41

Out: 0.000+/-0.000 χ^2/NDF:6146794.7/47

All: 0.000+/-0.000 χ^2/NDF: 10192130.5/89

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: -0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

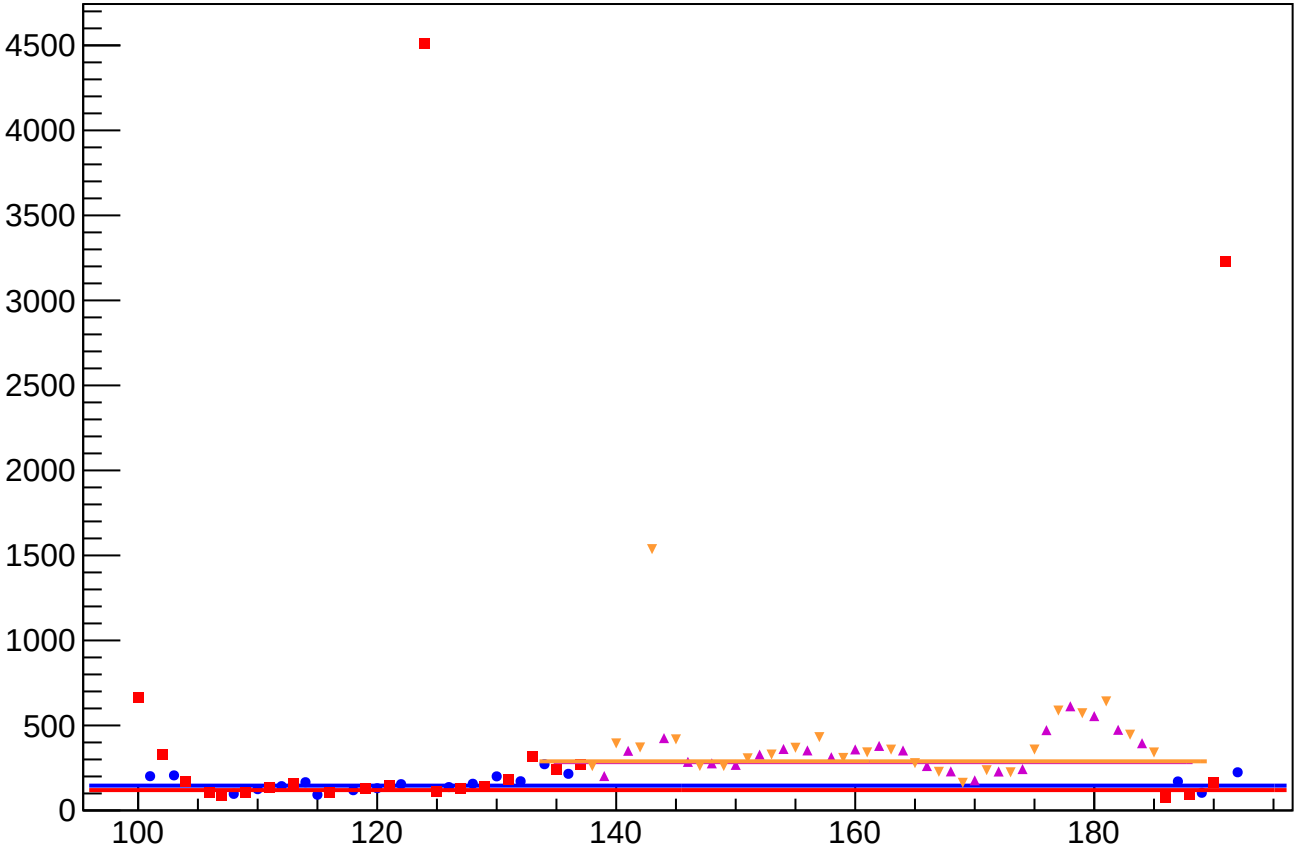
Right: 0.028+/-0.034 χ^2/NDF: 45.3/41

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.011+/-0.038 χ^2/NDF:54.7/47

All: 0.029+/-0.028 χ^2/NDF: 102.1/89

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: 119.726+/-0.031 χ^2/NDF: 2481719.2/22

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

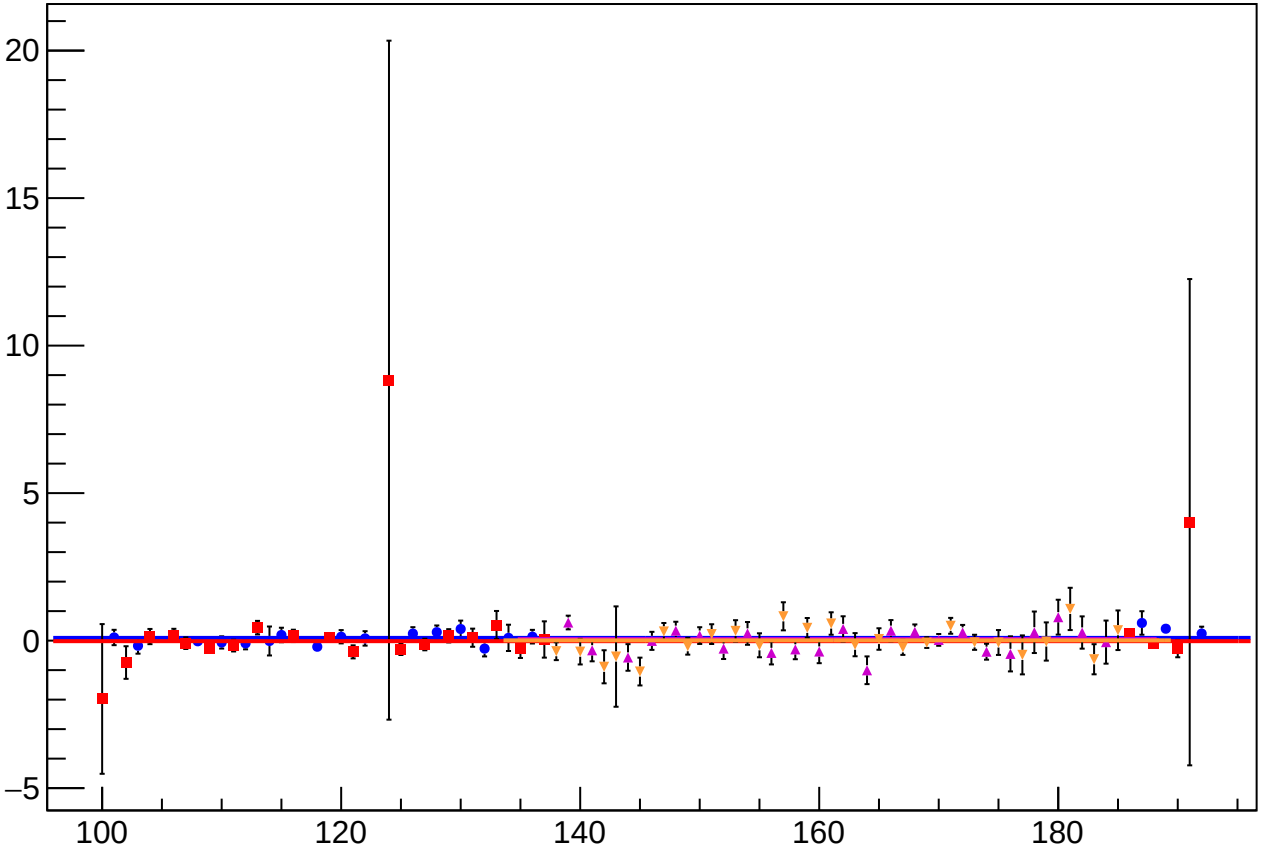
Right: 130.765+/-0.024 χ^2/NDF: 4163610.3/41

In: 194.906+/-0.030 χ^2/NDF:9439381.6/41

Out: 167.155+/-0.027 χ^2/NDF:15299671.7/47

All: 179.540+/-0.020 χ^2/NDF: 25225278.3/89

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: -0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

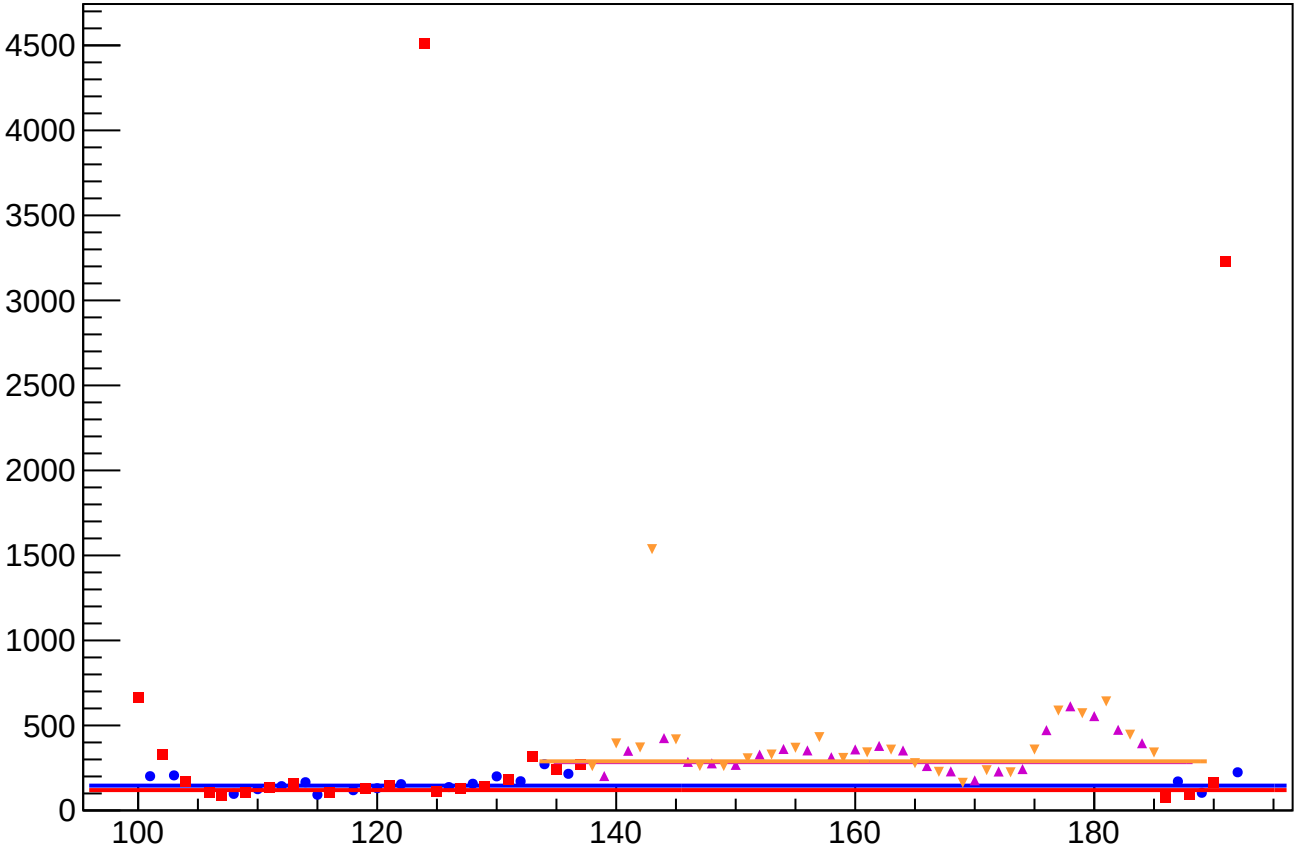
Right: 0.028+/-0.034 χ^2/NDF: 45.3/41

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.011+/-0.038 χ^2/NDF:54.7/47

All: 0.029+/-0.028 χ^2/NDF: 102.1/89

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: 119.726+/-0.031 χ^2/NDF: 2481719.2/22

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

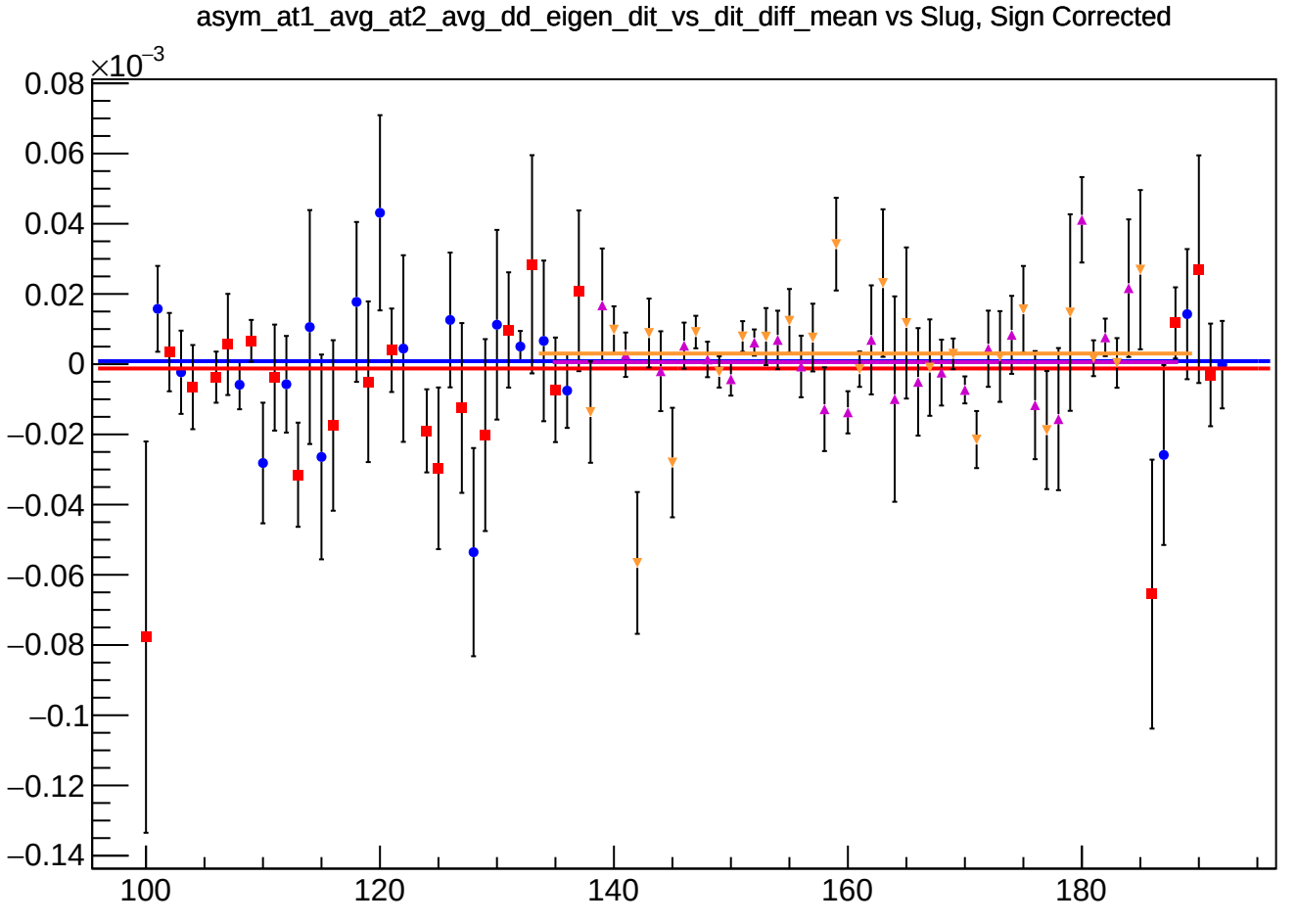
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 130.765+/-0.024 χ^2/NDF: 4163610.3/41

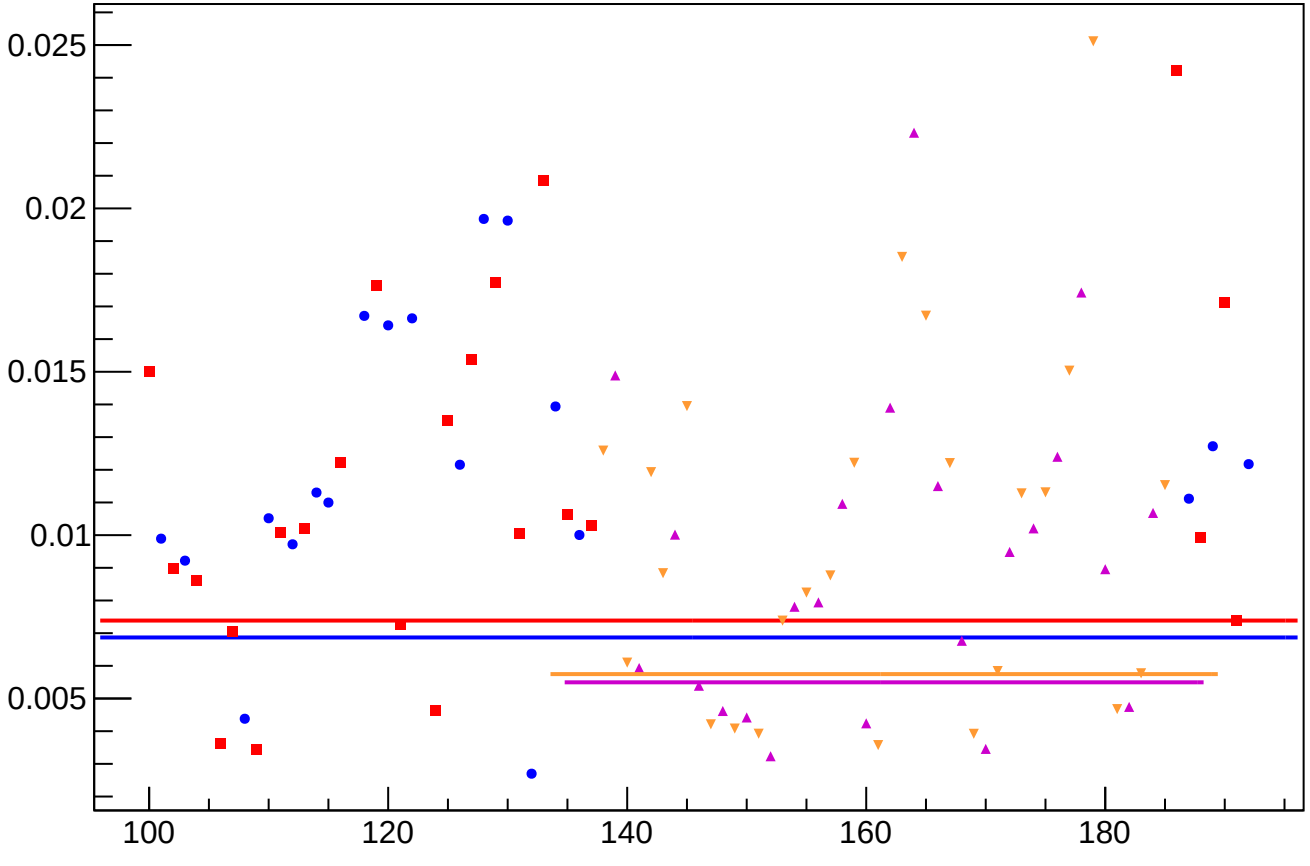
In: 194.906+/-0.030 χ^2/NDF:9439381.6/41

Out: 167.155+/-0.027 χ^2/NDF:15299671.7/47

All: 179.540+/-0.020 χ^2/NDF: 25225278.3/89


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
120
140
160
180
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: 21.4/22
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: 38.1/41
In: 0.000+/-0.000 χ²/NDF:49.7/41
Out: 0.000+/-0.000 χ²/NDF:65.4/47
All: 0.000+/-0.000 χ²/NDF: 115.6/89

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 5313715.3/18

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 4140337.9/22

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

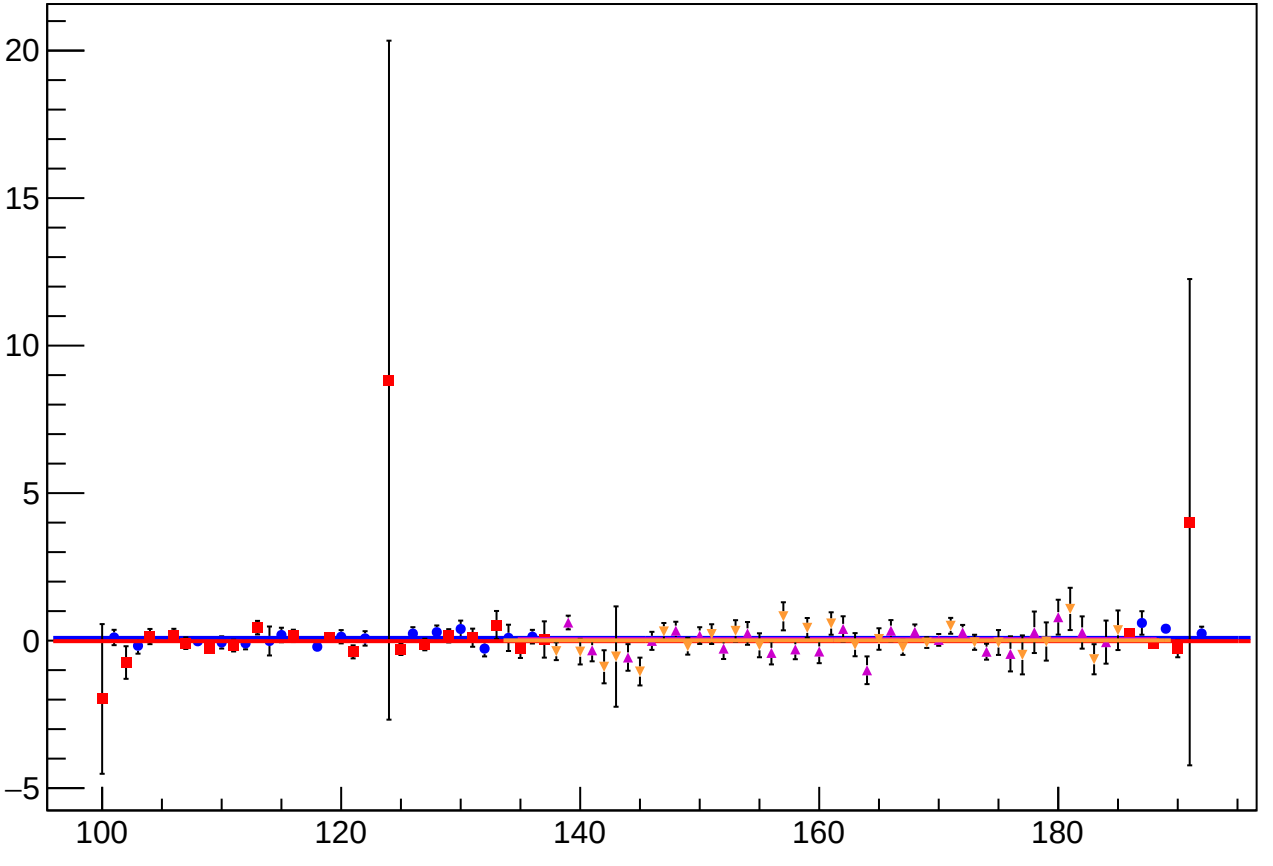
Right: 0.007+/-0.000 χ^2/NDF: 9487999.8/41

In: 0.006+/-0.000 χ^2/NDF:12622879.3/41

Out: 0.006+/-0.000 χ^2/NDF:12792925.7/47

All: 0.006+/-0.000 χ^2/NDF: 25469920.2/89

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: -0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

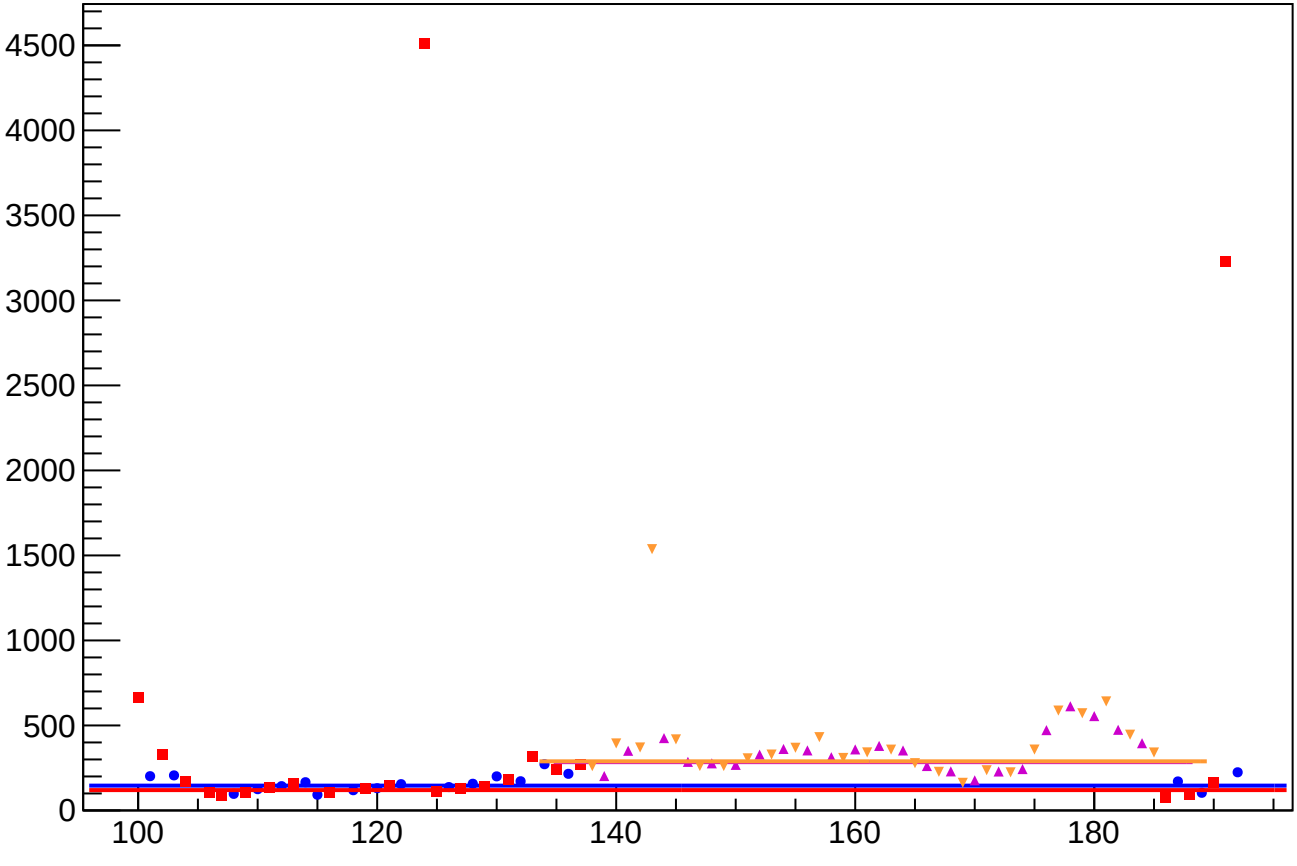
Right: 0.028+/-0.034 χ^2/NDF: 45.3/41

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.011+/-0.038 χ^2/NDF:54.7/47

All: 0.029+/-0.028 χ^2/NDF: 102.1/89

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: 119.727+/-0.031 χ^2/NDF: 2481570.6/22

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

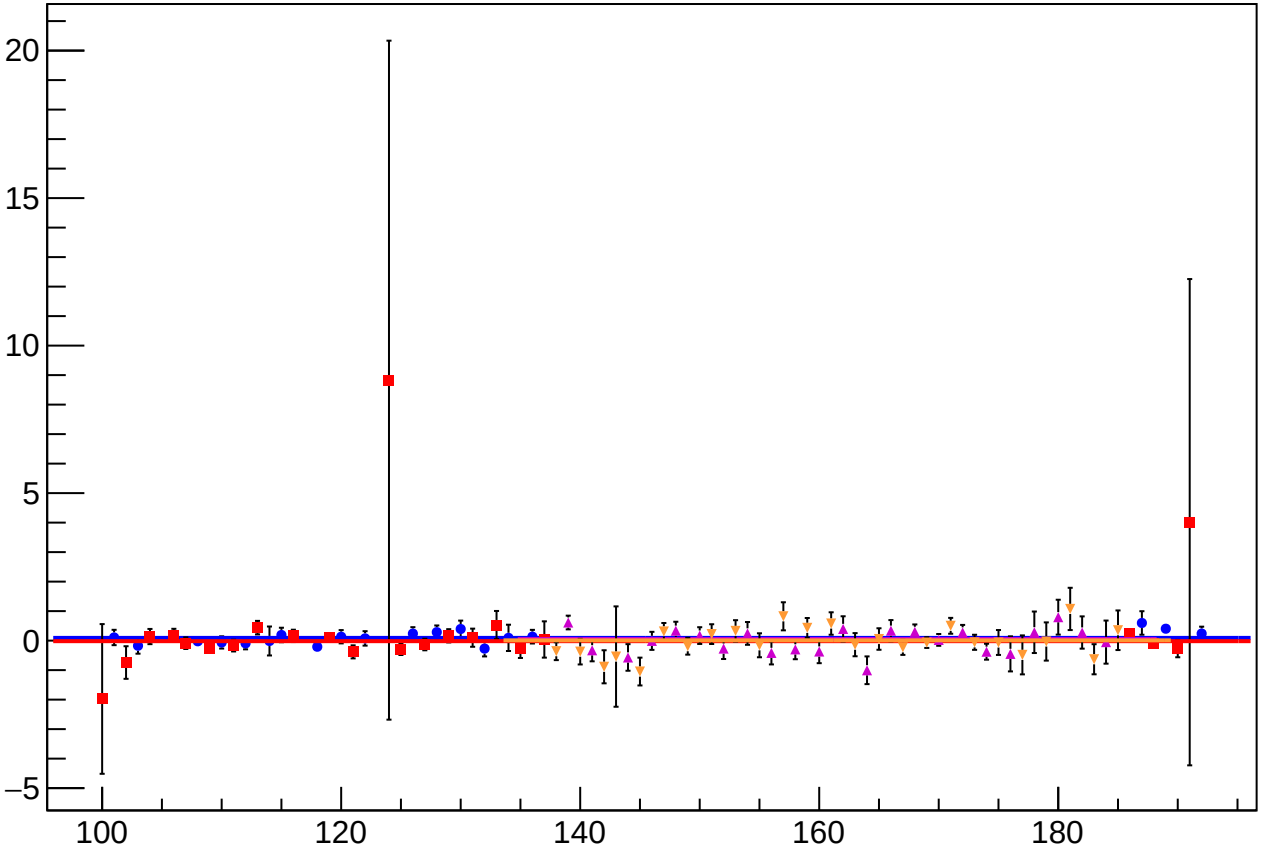
Right: 130.766+/-0.024 χ^2/NDF: 4163372.5/41

In: 194.906+/-0.030 χ^2/NDF:9439576.0/41

Out: 167.156+/-0.027 χ^2/NDF:15299485.1/47

All: 179.541+/-0.020 χ^2/NDF: 25225204.0/89

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: -0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

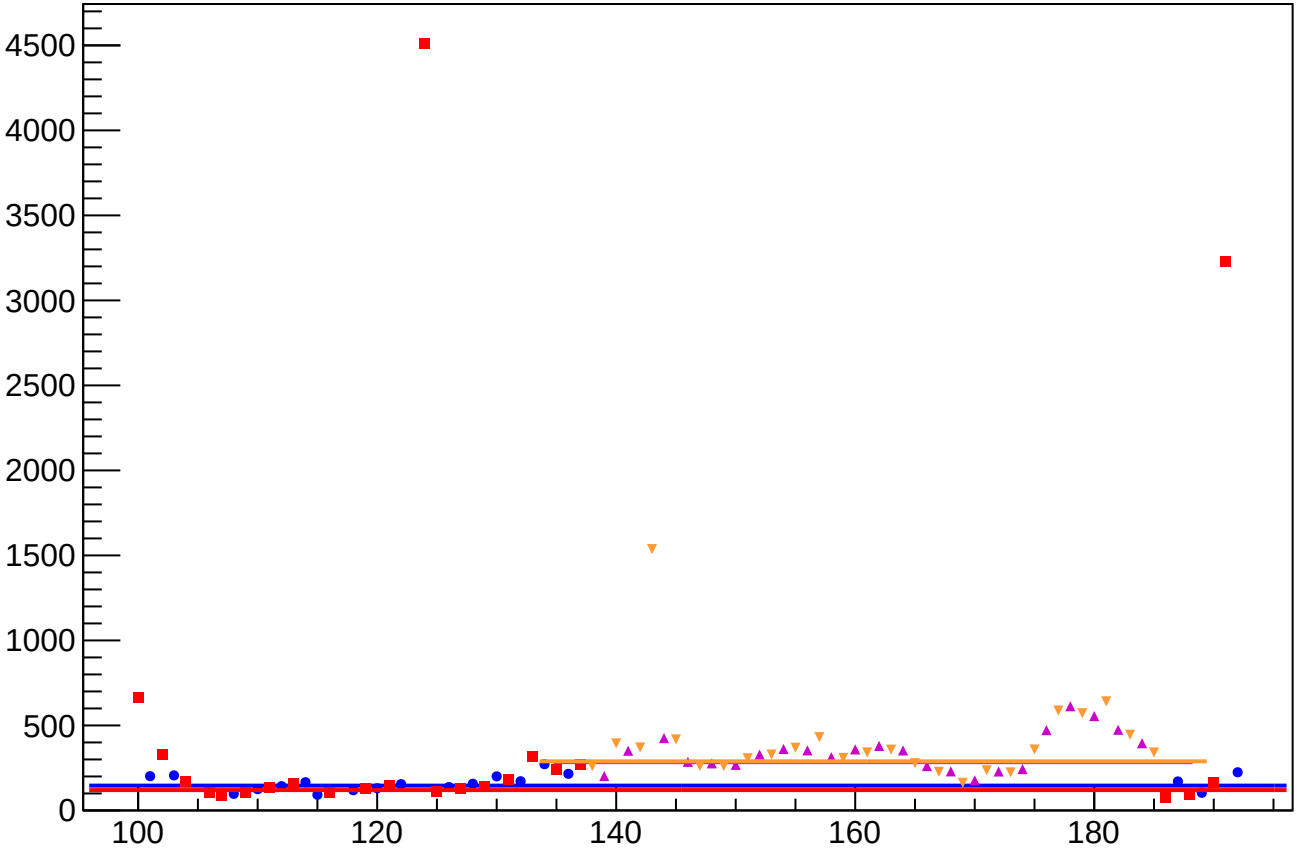
Right: 0.028+/-0.034 χ^2/NDF: 45.3/41

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.011+/-0.038 χ^2/NDF:54.7/47

All: 0.029+/-0.028 χ^2/NDF: 102.1/89

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: 119.727+/-0.031 χ^2/NDF: 2481570.6/22

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

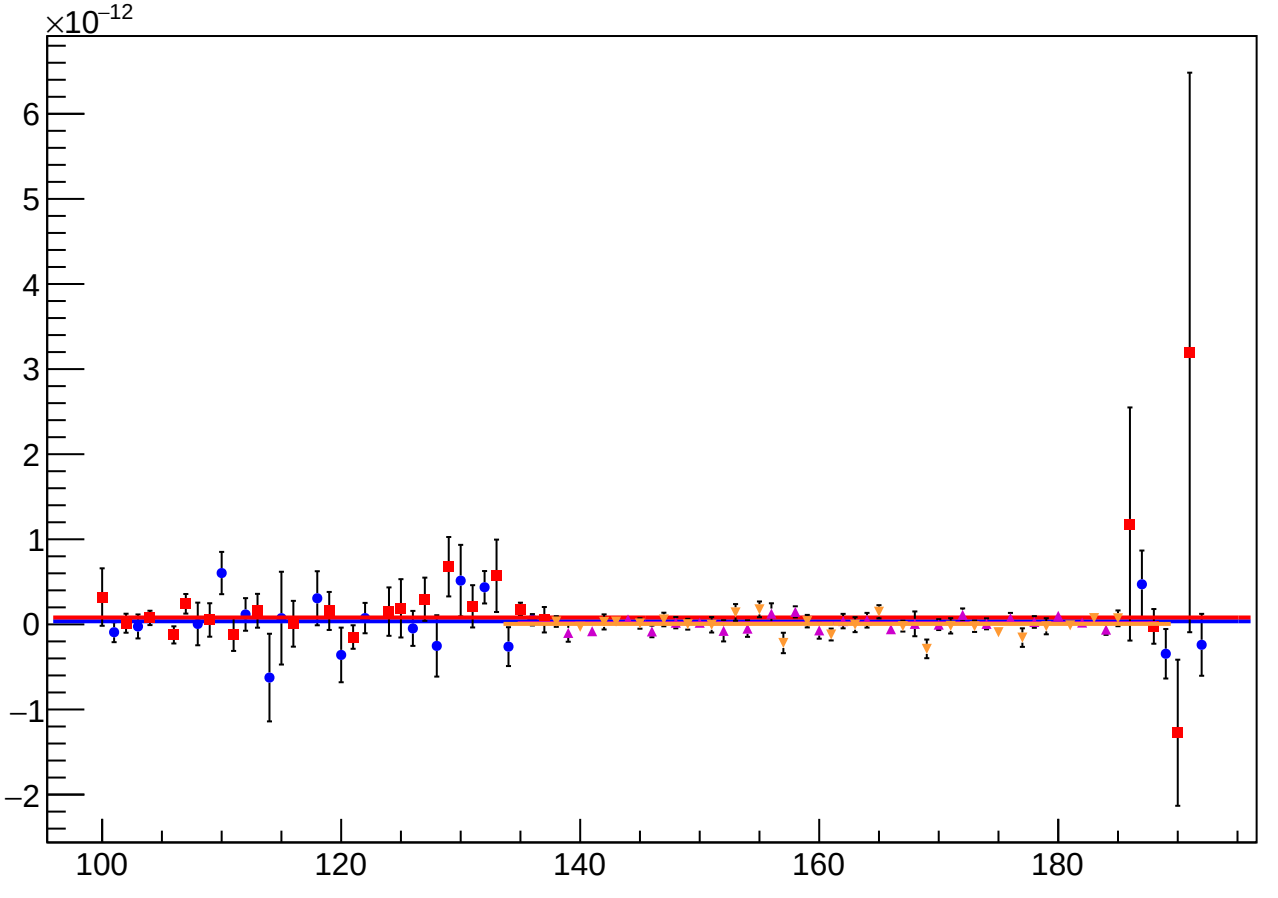
Right: 130.766+/-0.024 χ^2/NDF: 4163372.5/41

In: 194.906+/-0.030 χ^2/NDF:9439576.0/41

Out: 167.156+/-0.027 χ^2/NDF:15299485.1/47

All: 179.541+/-0.020 χ^2/NDF: 25225204.0/89

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.5/22

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

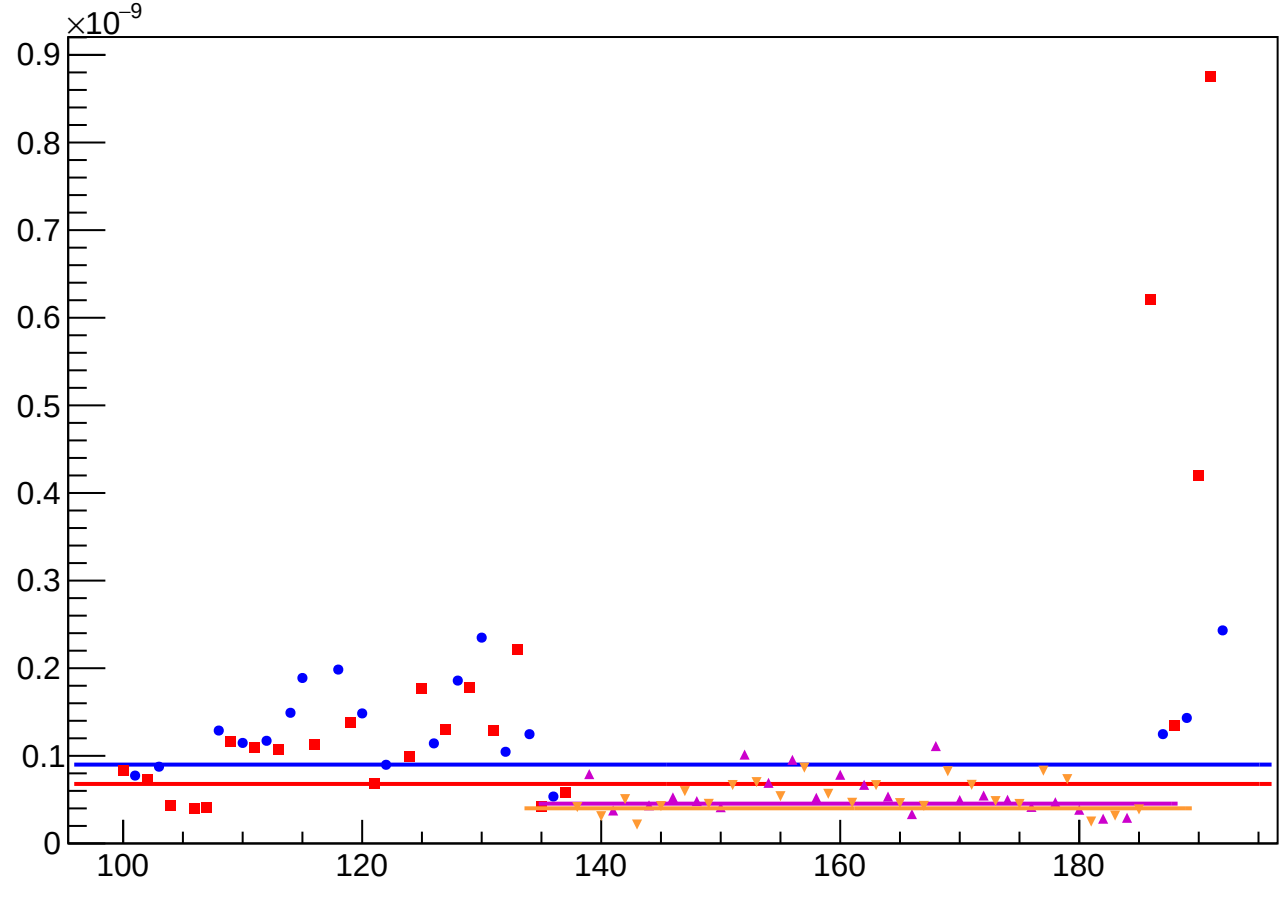
Right: 0.000+/-0.000 χ^2/NDF: 45.7/41

In: 0.000+/-0.000 χ^2/NDF:46.0/41

Out: 0.000+/-0.000 χ^2/NDF:61.1/47

All: 0.000+/-0.000 χ^2/NDF: 107.1/89

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: 3167915.4/22

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

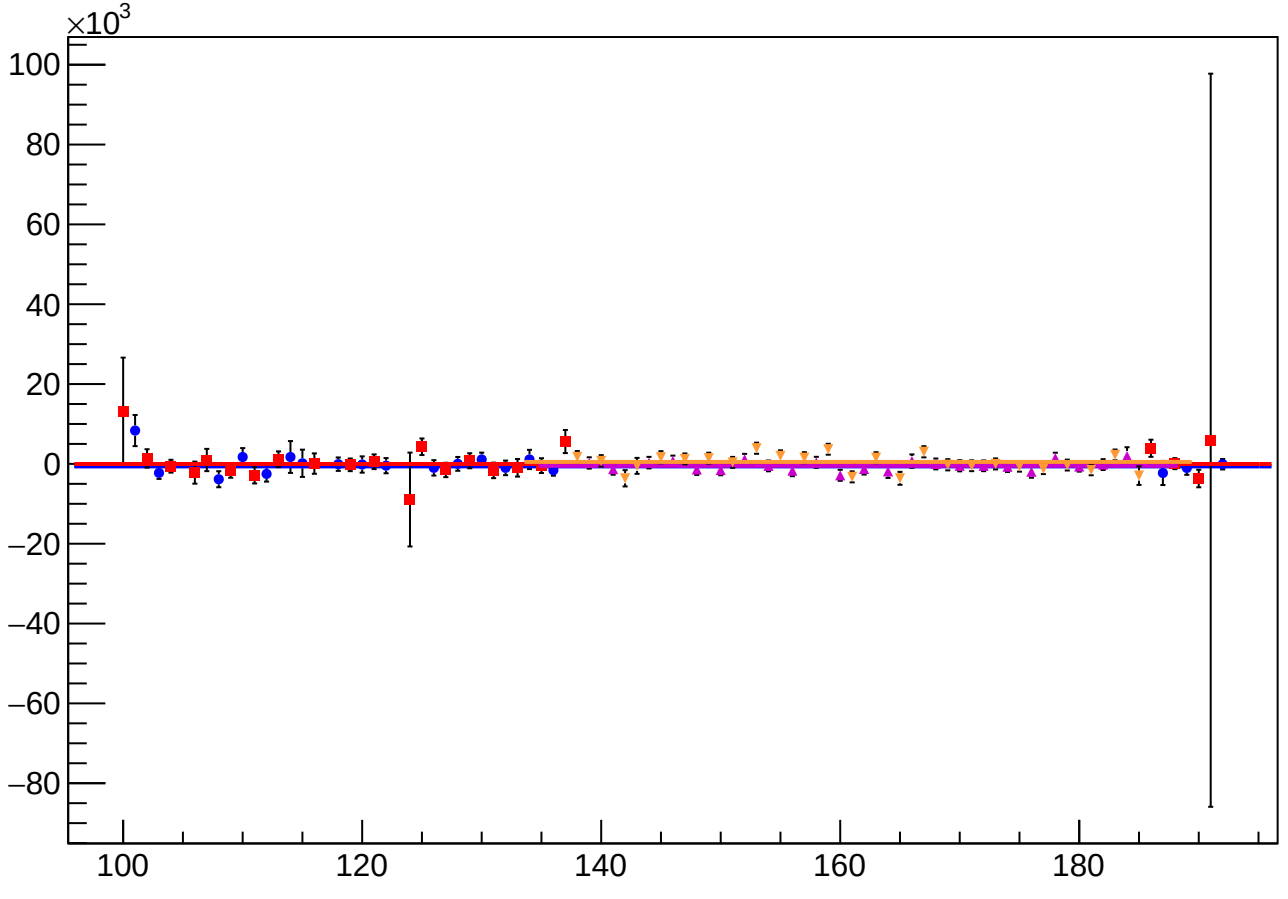
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 5523867.0/41

In: 0.000+/-0.000 χ^2/NDF:6856545.3/41

Out: 0.000+/-0.000 χ^2/NDF:7979030.3/47

All: 0.000+/-0.000 χ^2/NDF: 15104264.4/89



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: -30.006+/-440.408 χ^2/NDF: 22.0/22

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

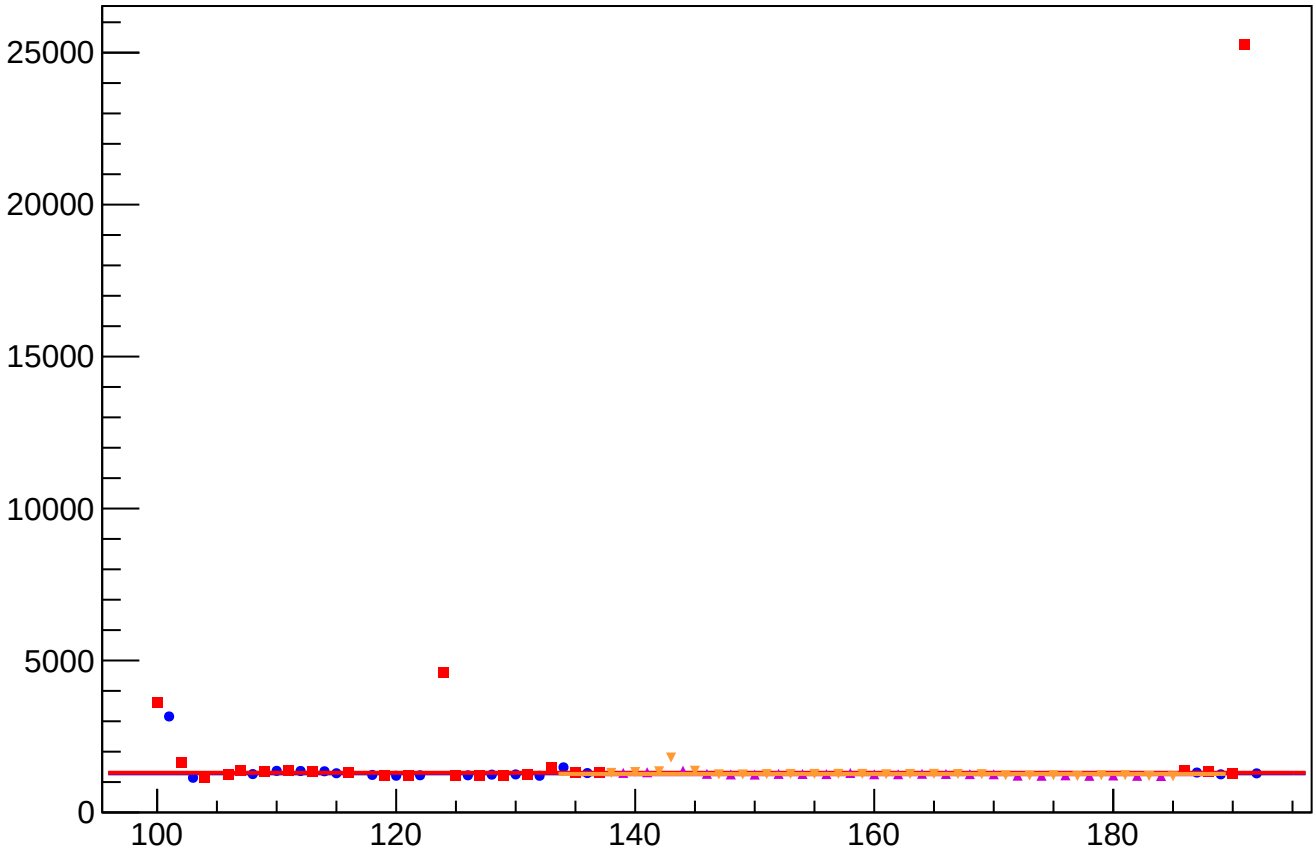
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -331.417+/-310.419 χ^2/NDF: 37.4/41

In: -530.991+/-243.906 χ^2/NDF:28.9/41

Out: 335.305+/-241.327 χ^2/NDF:69.9/47

All: -93.239+/-171.549 χ^2/NDF: 105.2/89



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: 1306.165+/-0.311 χ^2/NDF: 464347.1/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

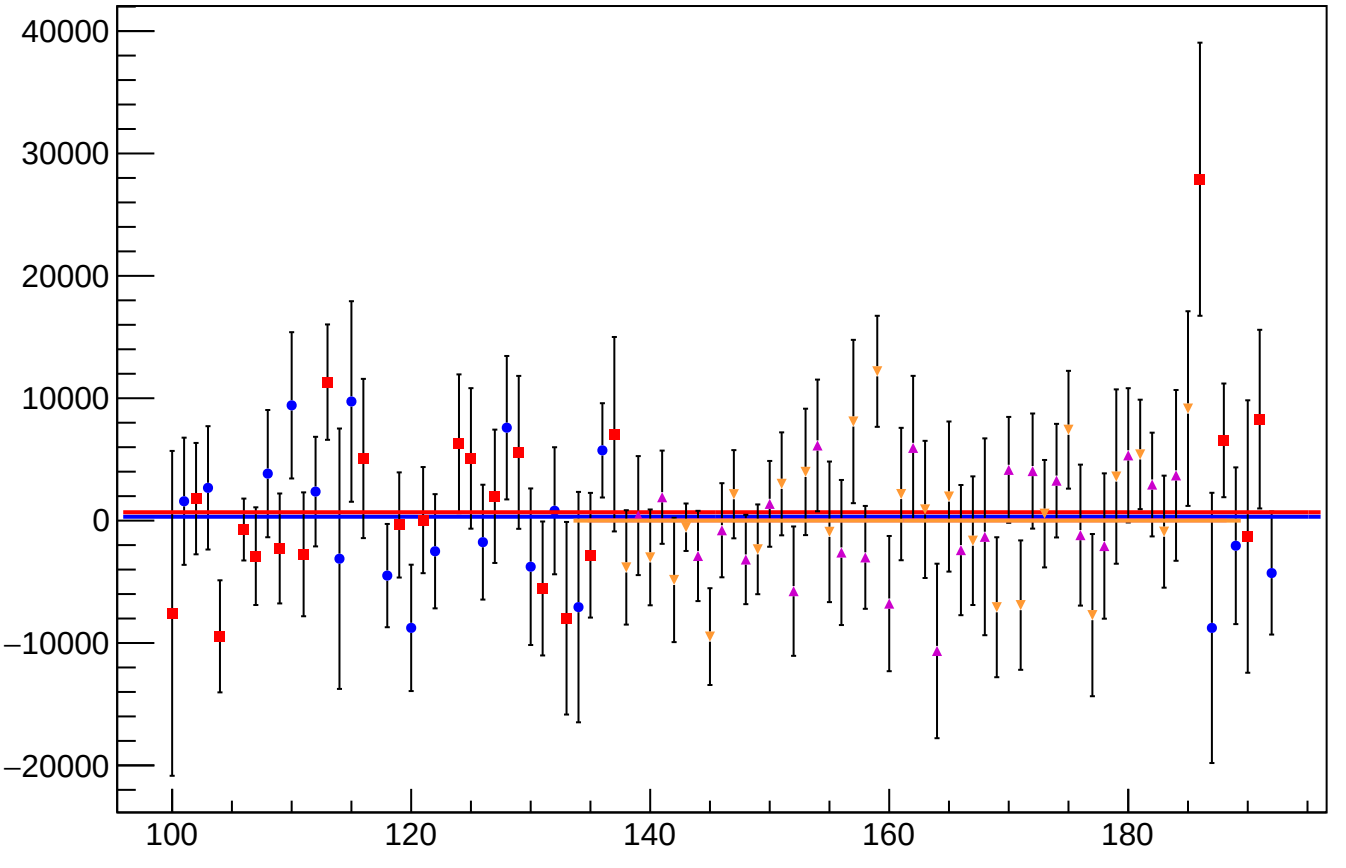
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1296.687+/-0.219 χ^2/NDF: 981793.4/41

In: 1266.790+/-0.172 χ^2/NDF:558776.7/41

Out: 1278.772+/-0.171 χ^2/NDF:663011.7/47

All: 1272.848+/-0.121 χ^2/NDF: 1224229.1/89



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: 684.995+/-1059.241 χ^2/NDF: 27.5/22

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

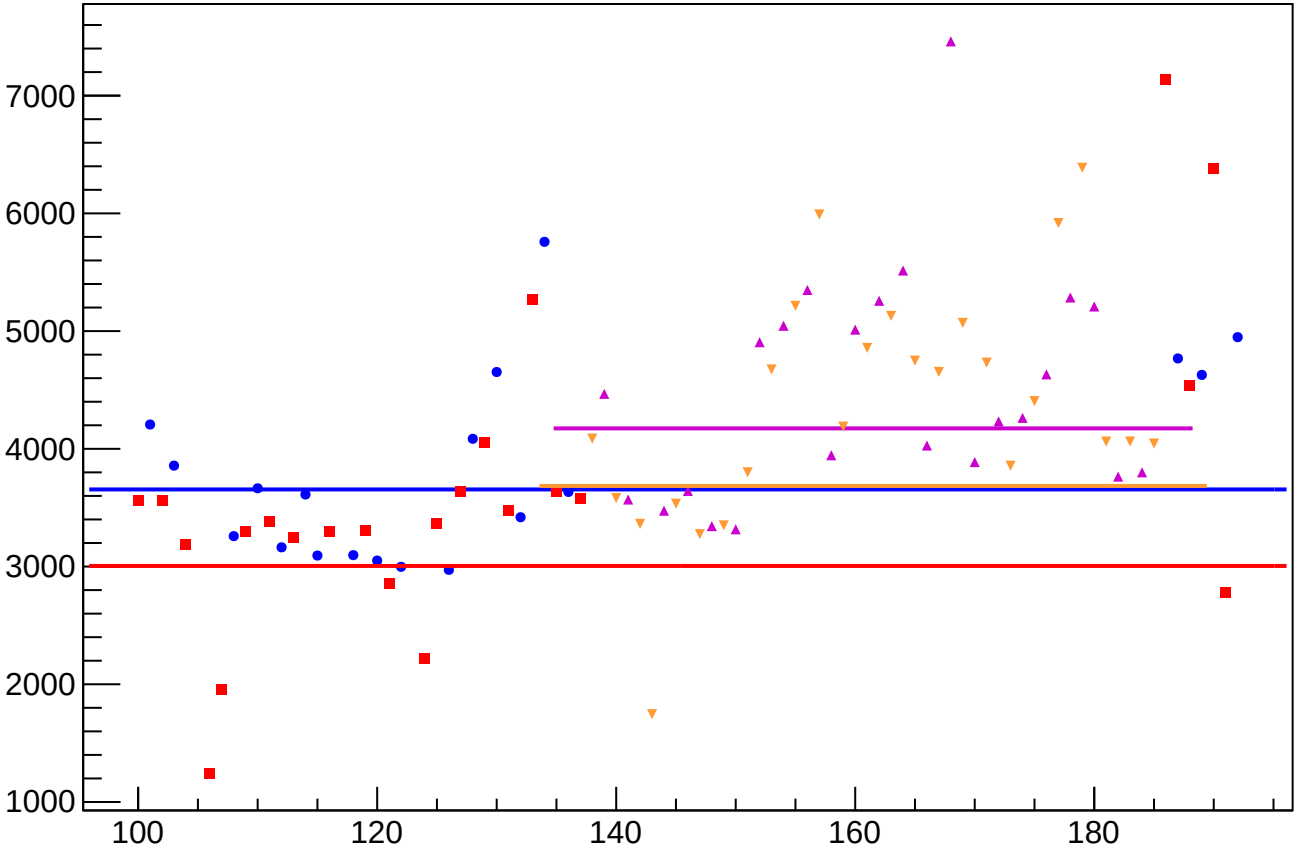
Right: 531.362+/-807.713 χ^2/NDF: 43.4/41

In: 142.859+/-778.287 χ^2/NDF:29.9/41

Out: 281.800+/-679.822 χ^2/NDF:56.8/47

All: 221.669+/-512.002 χ^2/NDF: 86.8/89

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: 3005.128+/-0.749 χ^2/NDF: 2218383.6/22

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

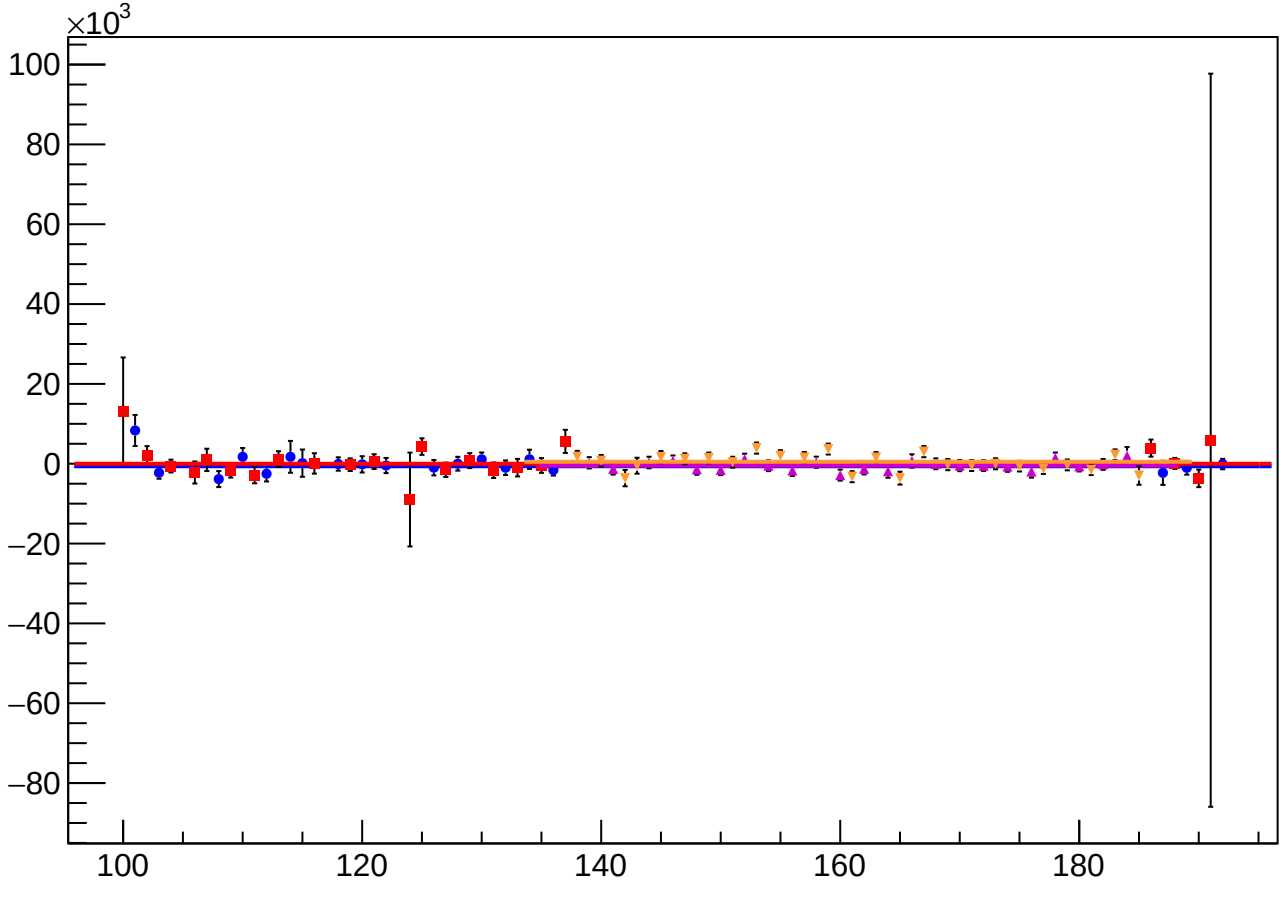
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3277.132+/-0.571 χ^2/NDF: 3111234.9/41

In: 3972.059+/-0.550 χ^2/NDF:2063631.1/41

Out: 3404.818+/-0.481 χ^2/NDF:6396252.7/47

All: 3650.307+/-0.362 χ^2/NDF: 9062497.1/89



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: -6.324+/-440.646 χ^2/NDF: 22.4/22

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

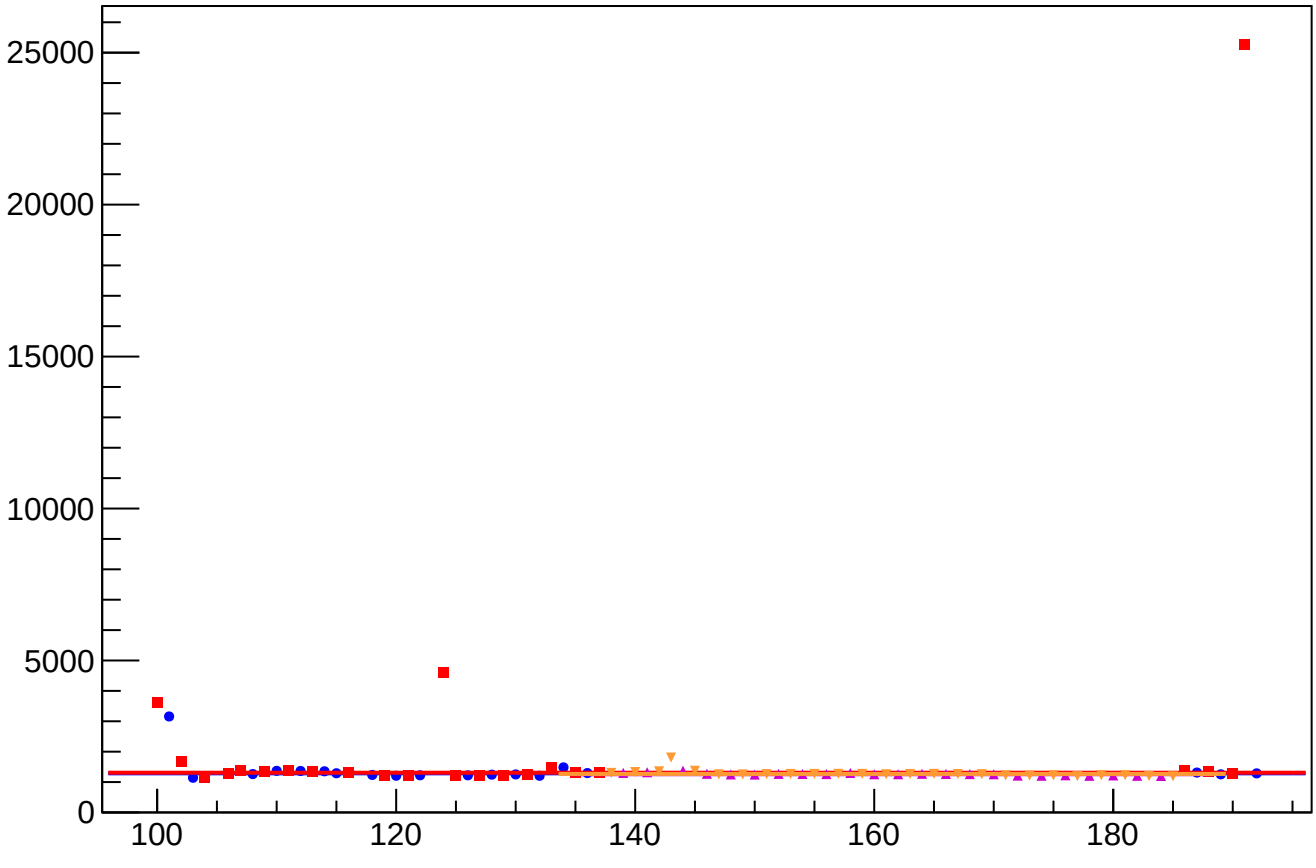
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -319.979+/-310.502 χ^2/NDF: 37.9/41

In: -531.019+/-243.906 χ^2/NDF:28.9/41

Out: 342.540+/-241.366 χ^2/NDF:70.2/47

All: -89.667+/-171.563 χ^2/NDF: 105.6/89



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: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

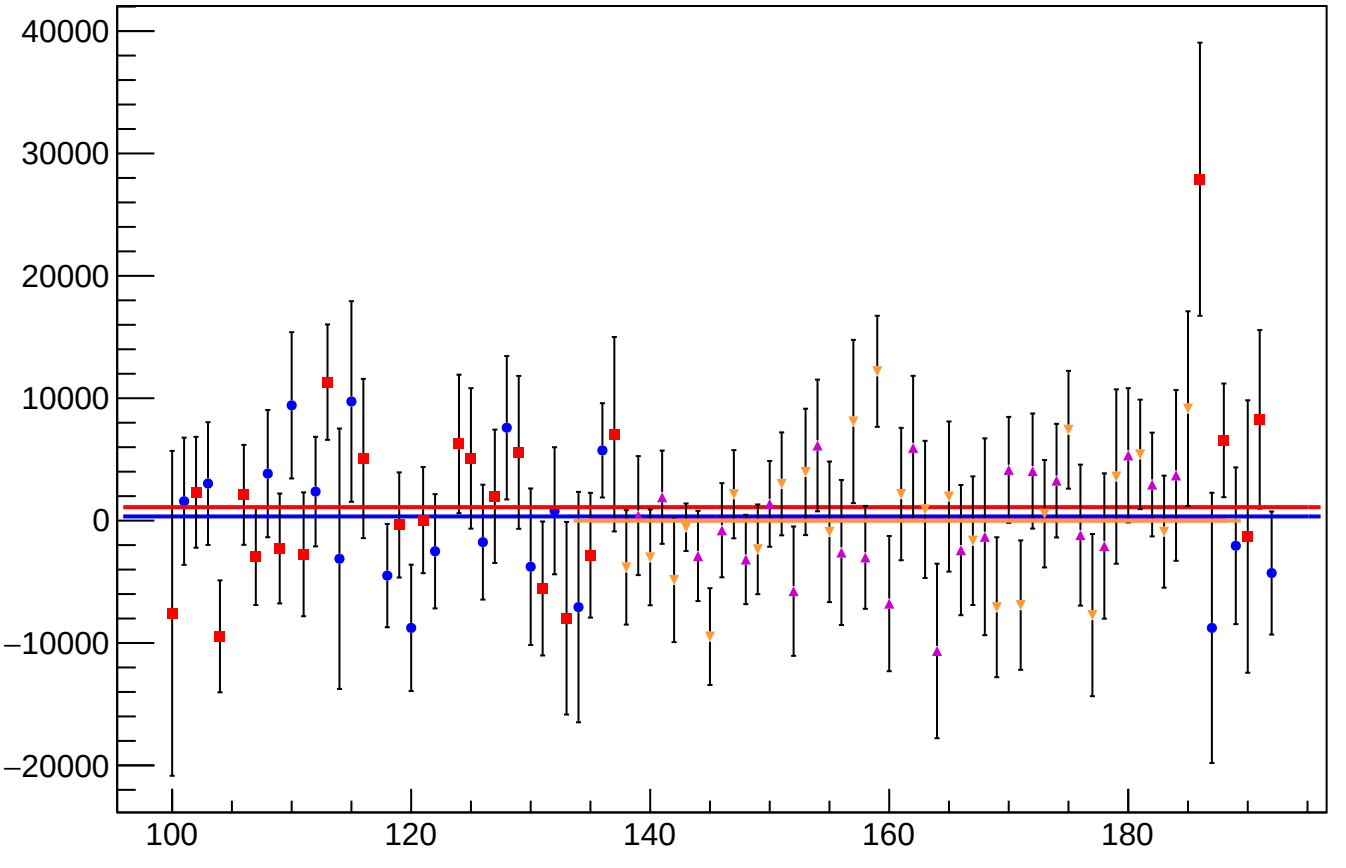
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.507+/-0.219 χ^2/NDF: 988415.6/41

In: 1266.790+/-0.172 χ^2/NDF:558778.1/41

Out: 1279.256+/-0.171 χ^2/NDF:670241.2/47

All: 1273.091+/-0.121 χ^2/NDF: 1231660.1/89



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: 1100.868+/-1121.138 χ^2/NDF: 27.3/22

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

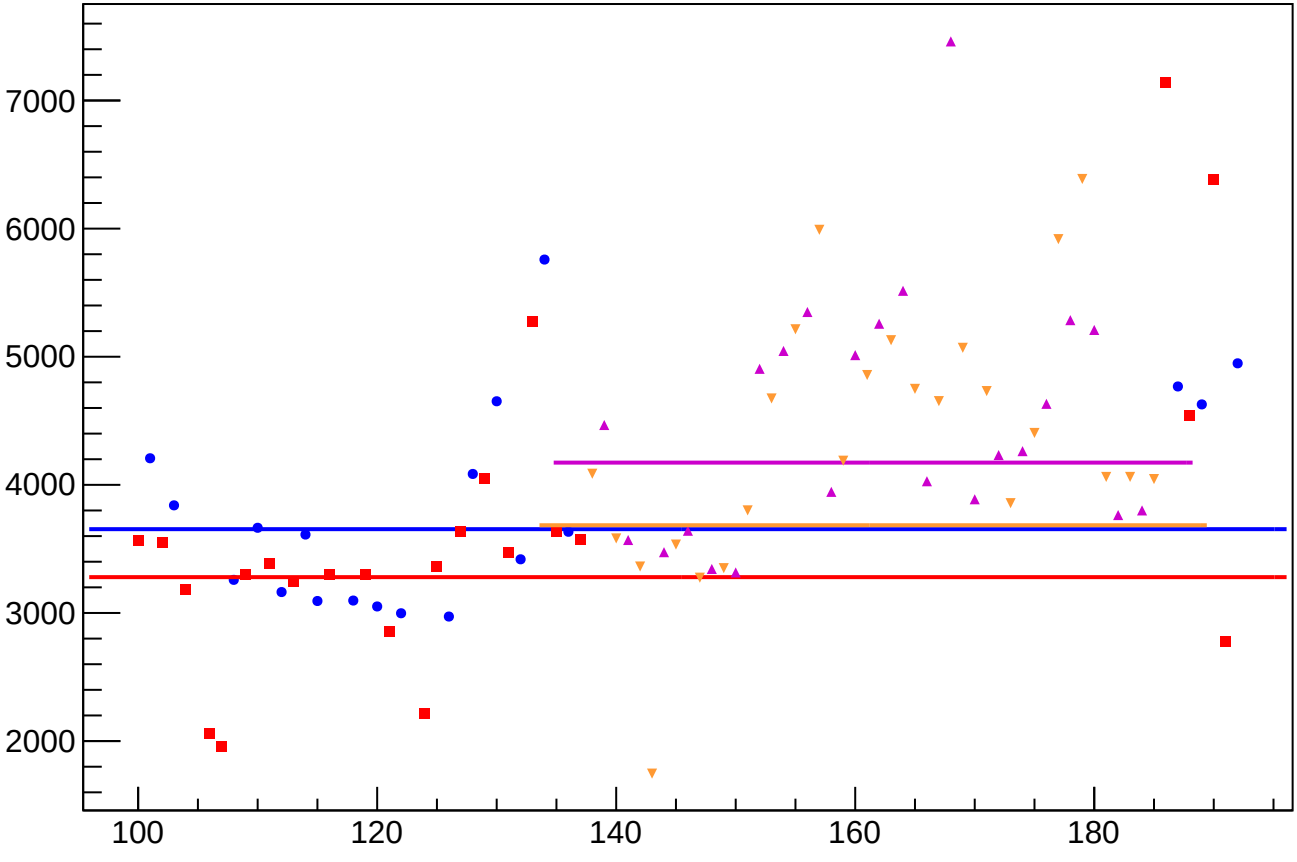
Right: 761.586+/-834.058 χ^2/NDF: 43.4/41

In: 151.909+/-778.194 χ^2/NDF:30.0/41

Out: 423.166+/-695.372 χ^2/NDF:56.9/47

All: 302.735+/-518.520 χ^2/NDF: 87.0/89

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: 3279.674+/-0.793 χ^2/NDF: 1231847.1/22

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

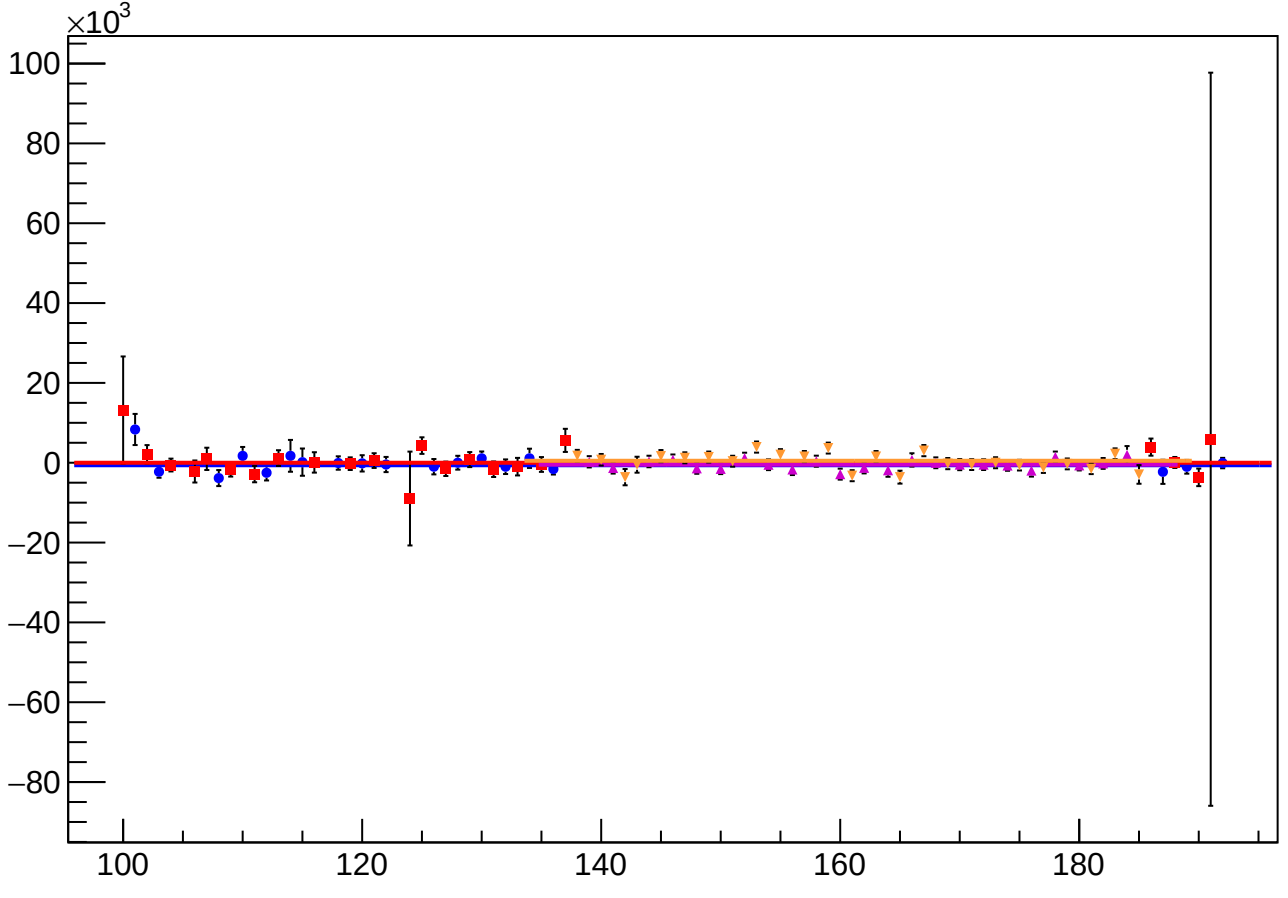
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3446.888+/-0.590 χ^2/NDF: 1908797.4/41

In: 3971.630+/-0.550 χ^2/NDF:2064019.8/41

Out: 3528.926+/-0.492 χ^2/NDF:5086191.5/47

All: 3725.474+/-0.367 χ^2/NDF: 7510107.6/89



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: -6.324+/-440.646 χ^2/NDF: 22.4/22

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

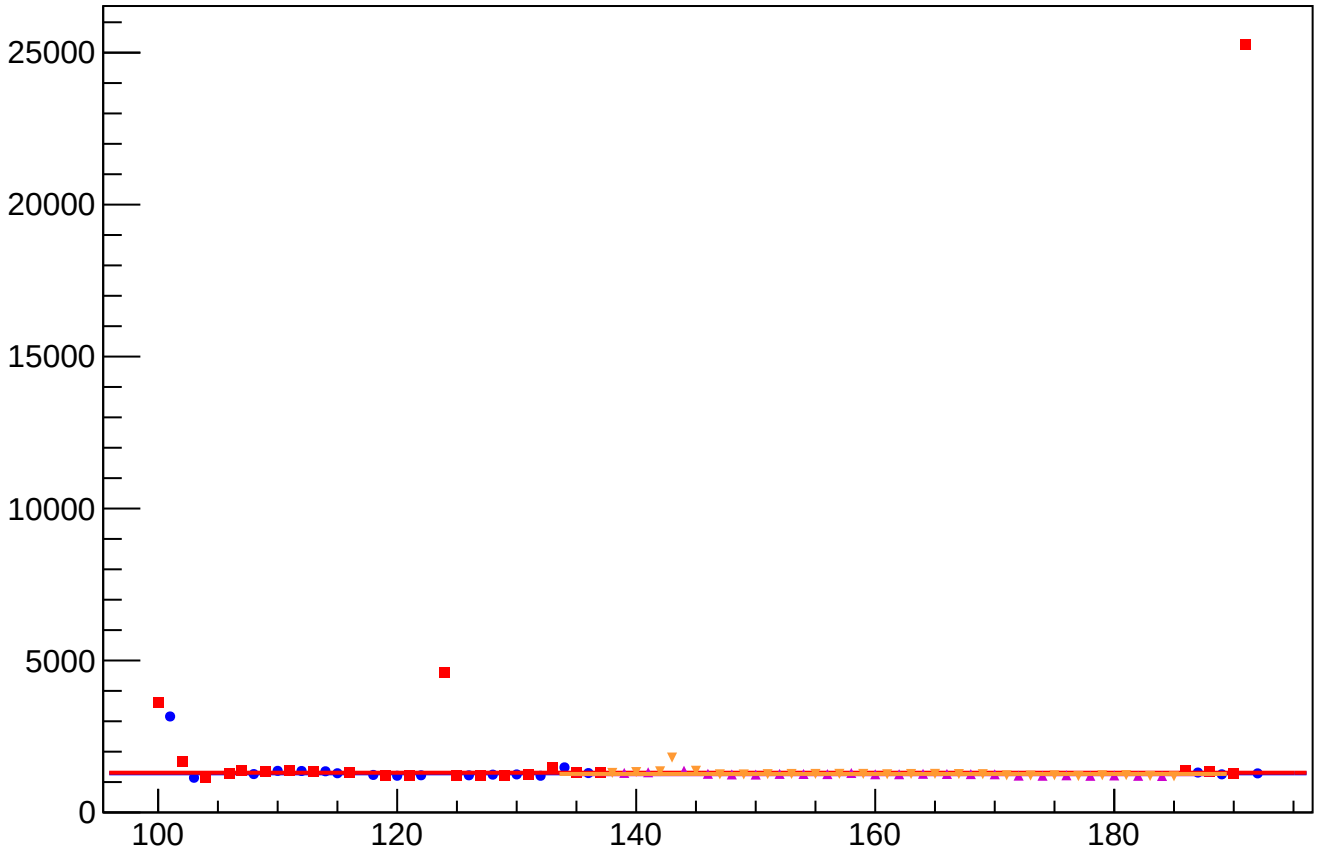
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -319.979+/-310.502 χ^2/NDF: 37.9/41

In: -531.019+/-243.906 χ^2/NDF:28.9/41

Out: 342.540+/-241.366 χ^2/NDF:70.2/47

All: -89.667+/-171.563 χ^2/NDF: 105.6/89



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: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

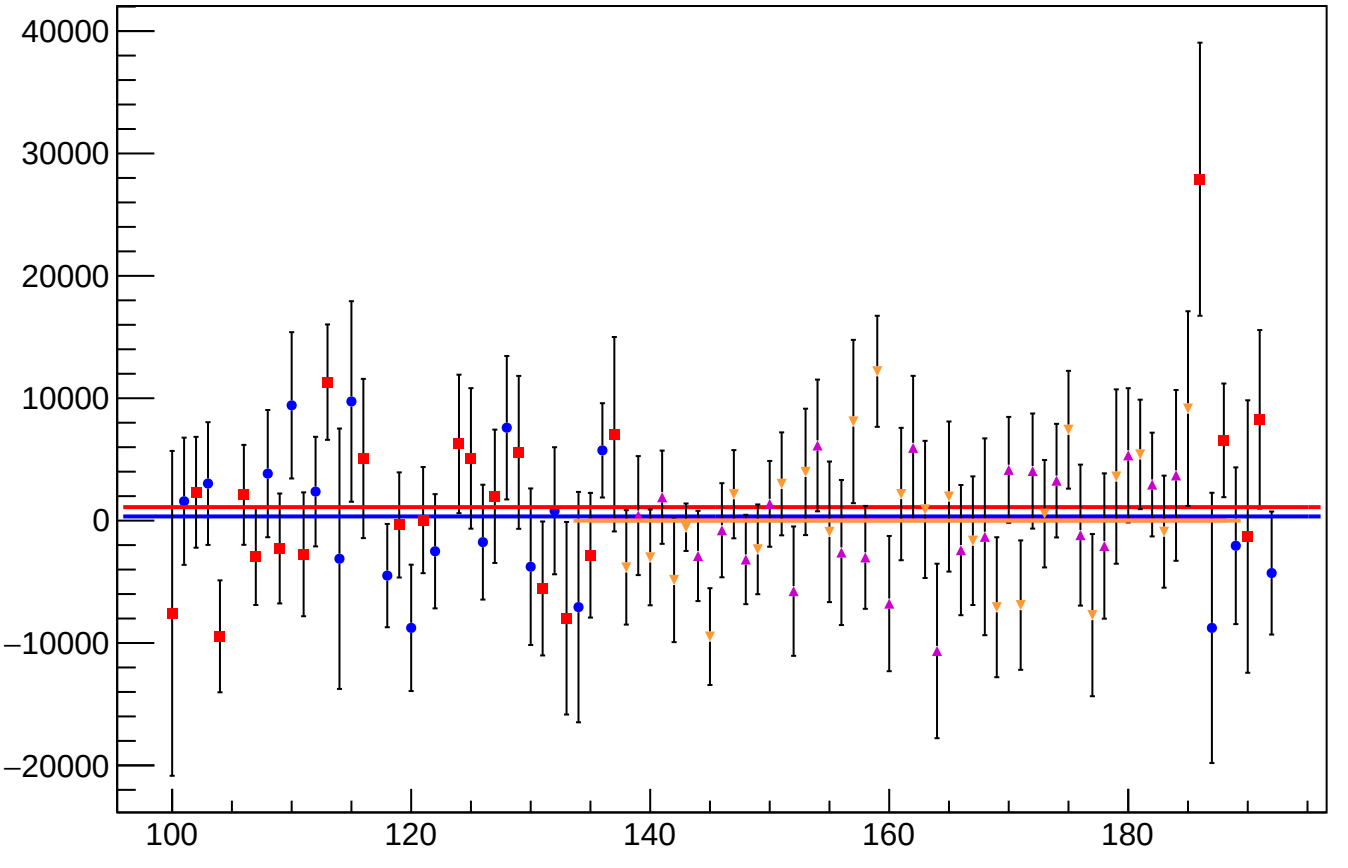
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.507+/-0.219 χ^2/NDF: 988415.6/41

In: 1266.790+/-0.172 χ^2/NDF:558778.1/41

Out: 1279.256+/-0.171 χ^2/NDF:670241.2/47

All: 1273.091+/-0.121 χ^2/NDF: 1231660.1/89



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: 1100.868+/-1121.138 χ^2/NDF: 27.3/22

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

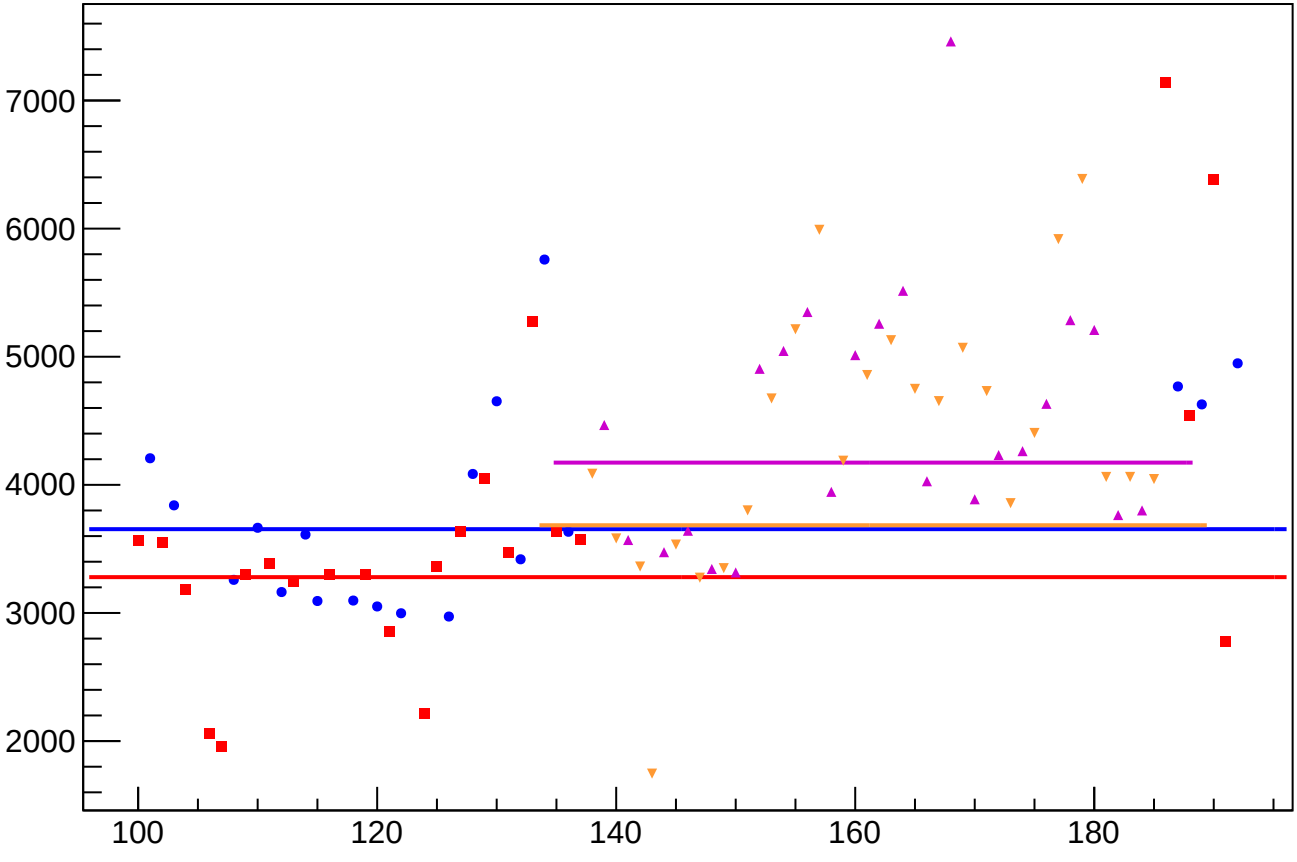
Right: 761.586+/-834.058 χ^2/NDF: 43.4/41

In: 151.909+/-778.194 χ^2/NDF:30.0/41

Out: 423.166+/-695.372 χ^2/NDF:56.9/47

All: 302.735+/-518.520 χ^2/NDF: 87.0/89

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: 3279.674+/-0.793 χ^2/NDF: 1231847.1/22

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

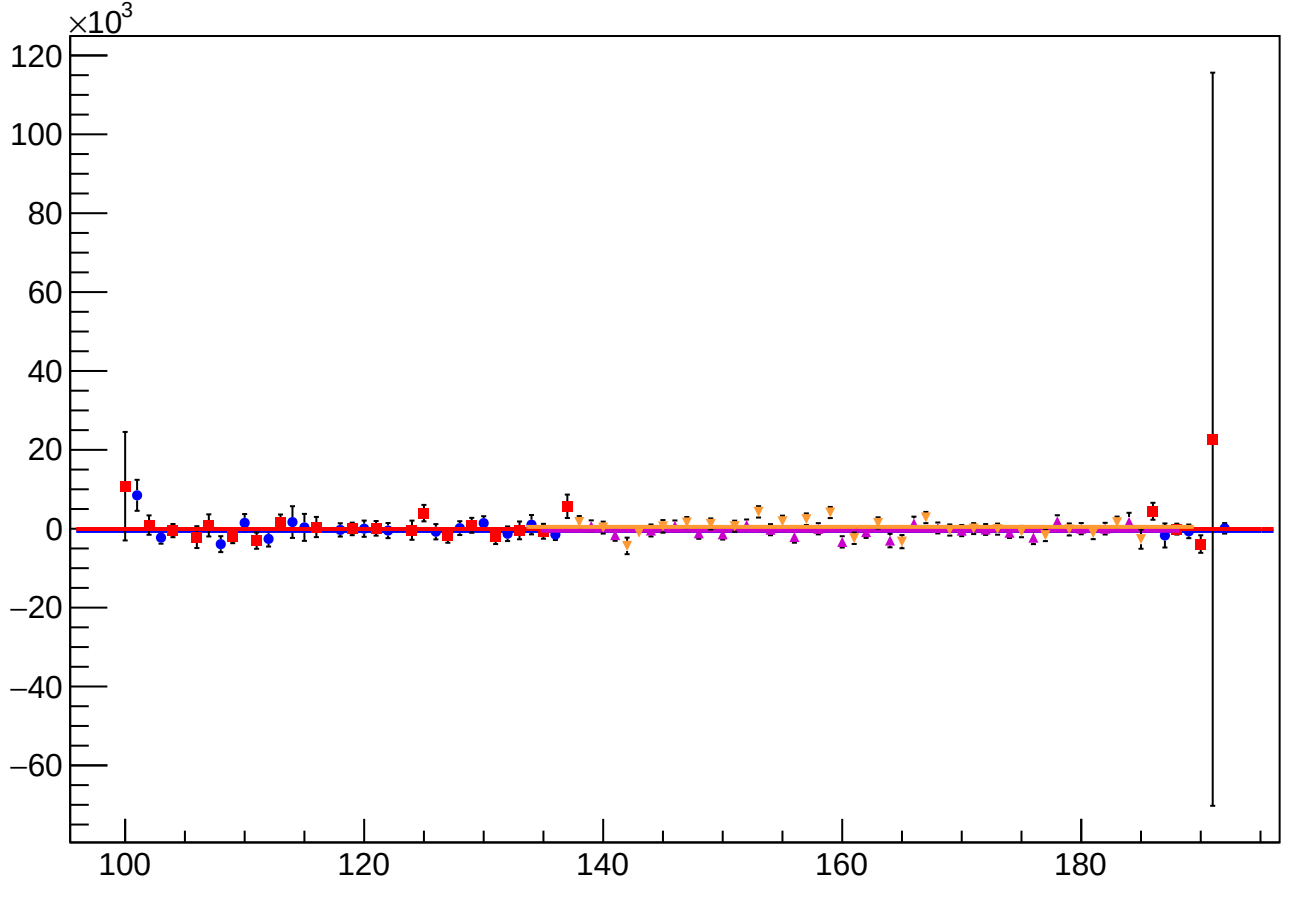
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3446.888+/-0.590 χ^2/NDF: 1908797.4/41

In: 3971.630+/-0.550 χ^2/NDF:2064019.8/41

Out: 3528.926+/-0.492 χ^2/NDF:5086191.5/47

All: 3725.474+/-0.367 χ^2/NDF: 7510107.6/89



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: -65.149+/-439.232 χ^2/NDF: 22.3/22

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

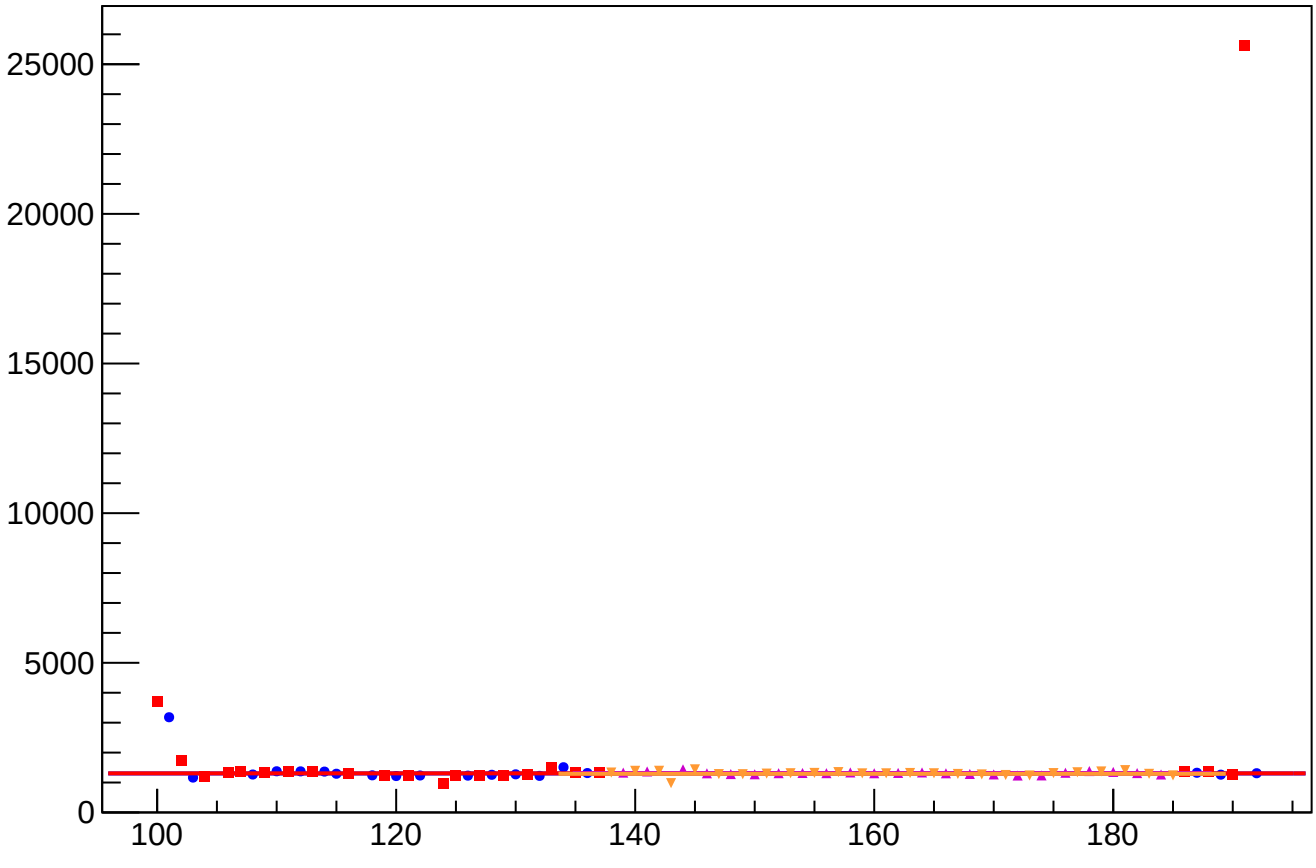
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -308.537+/-311.832 χ^2/NDF: 37.4/41

In: -520.548+/-252.322 χ^2/NDF:31.9/41

Out: 302.792+/-244.467 χ^2/NDF:67.4/47

All: -95.864+/-175.576 χ^2/NDF: 104.8/89



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: 1306.774+/-0.310 χ^2/NDF: 359849.5/22

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

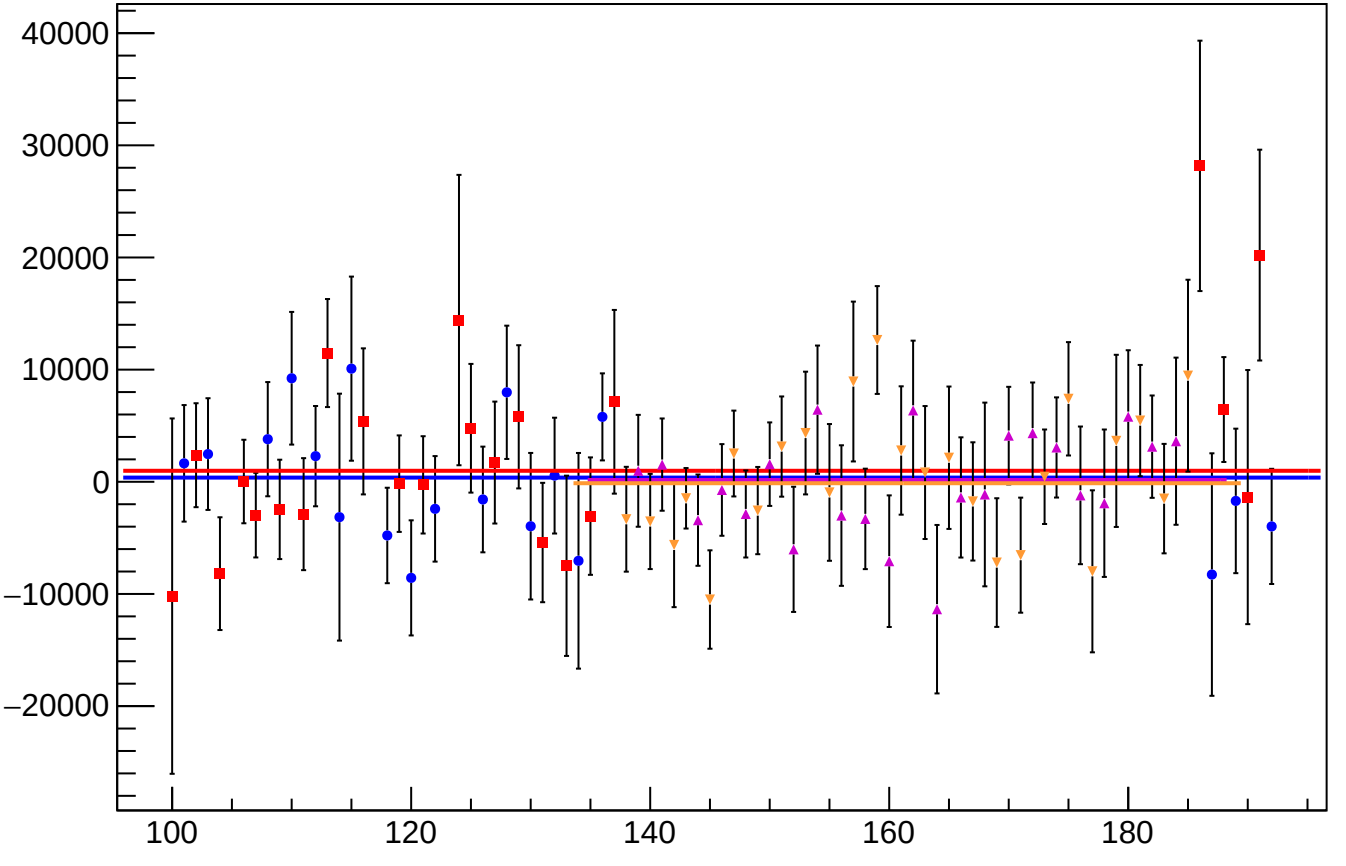
Right: 1304.690+/-0.220 χ^2/NDF: 871811.5/41

In: 1310.292+/-0.178 χ^2/NDF:555816.7/41

Out: 1296.036+/-0.173 χ^2/NDF:592319.3/47

All: 1302.937+/-0.124 χ^2/NDF: 1151429.6/89

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



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: 981.731+/-1141.605 χ^2/NDF: 29.0/22

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

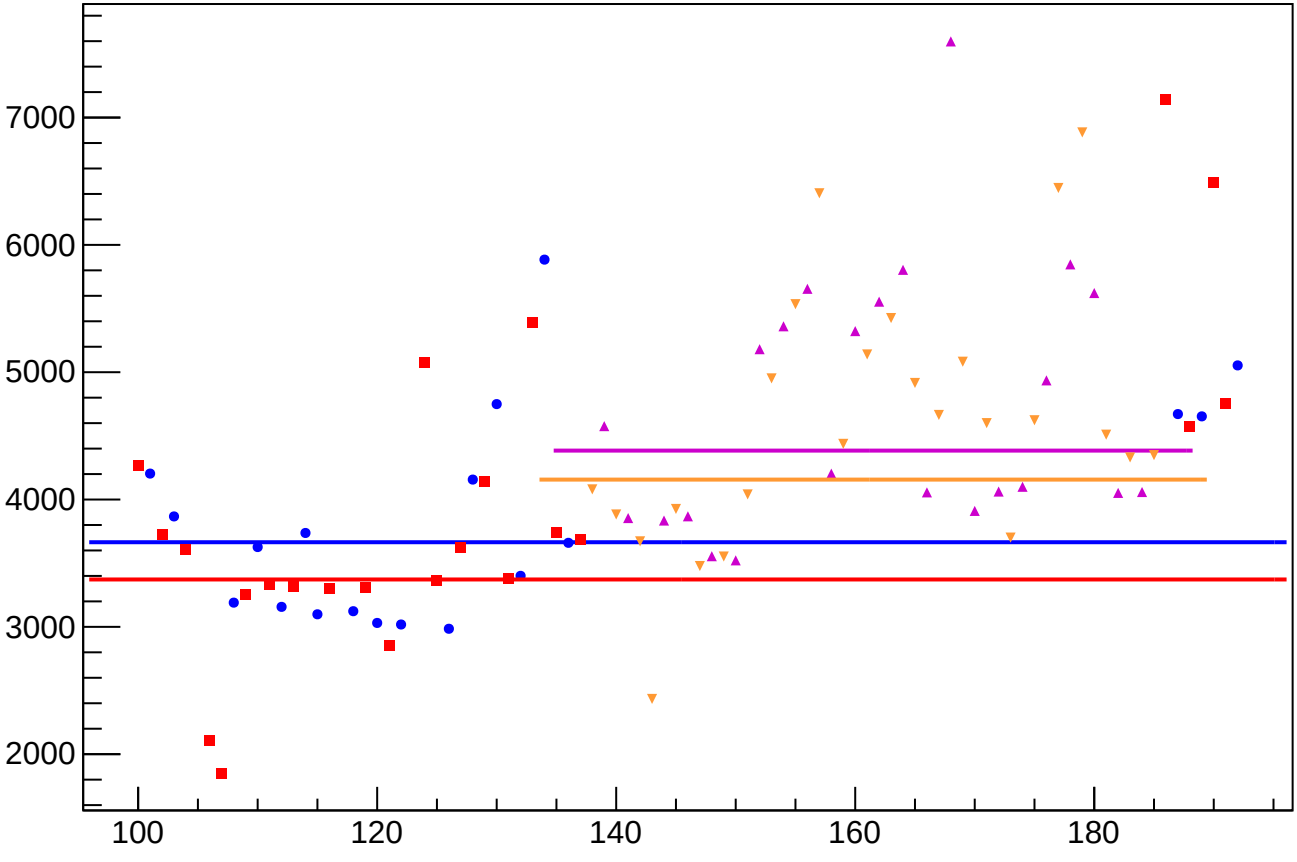
Right: 706.092+/-843.523 χ^2/NDF: 44.8/41

In: 247.877+/-802.456 χ^2/NDF:29.5/41

Out: 341.710+/-742.382 χ^2/NDF:58.1/47

All: 298.437+/-544.945 χ^2/NDF: 87.6/89

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: 3372.159+/-0.807 χ^2/NDF: 1371232.1/22

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

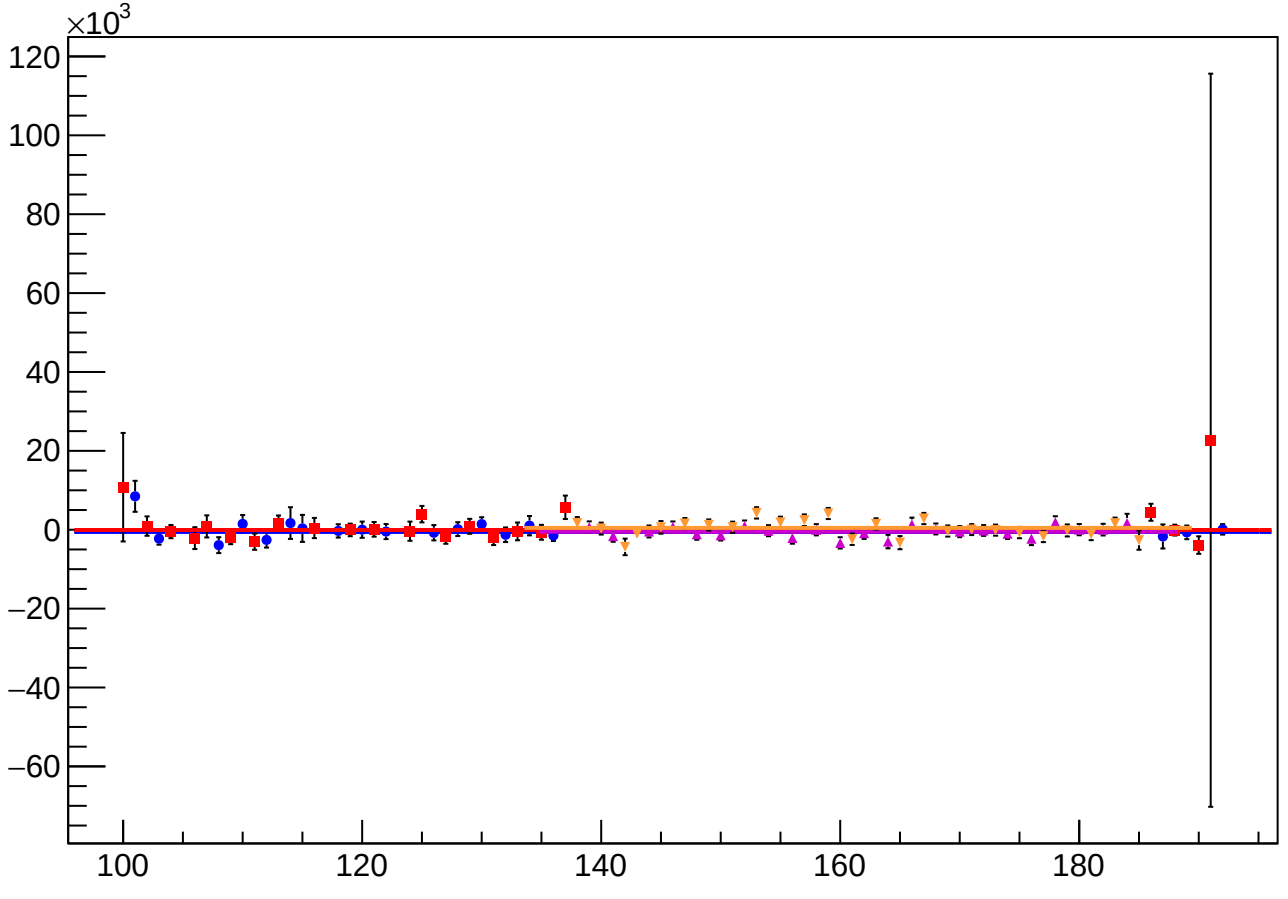
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3504.977+/-0.596 χ^2/NDF: 2042161.1/41

In: 4088.620+/-0.567 χ^2/NDF:2256128.5/41

Out: 3824.860+/-0.525 χ^2/NDF:3996952.8/47

All: 3946.499+/-0.385 χ^2/NDF: 6369509.3/89



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: -65.155+/-439.232 χ^2/NDF: 22.3/22

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

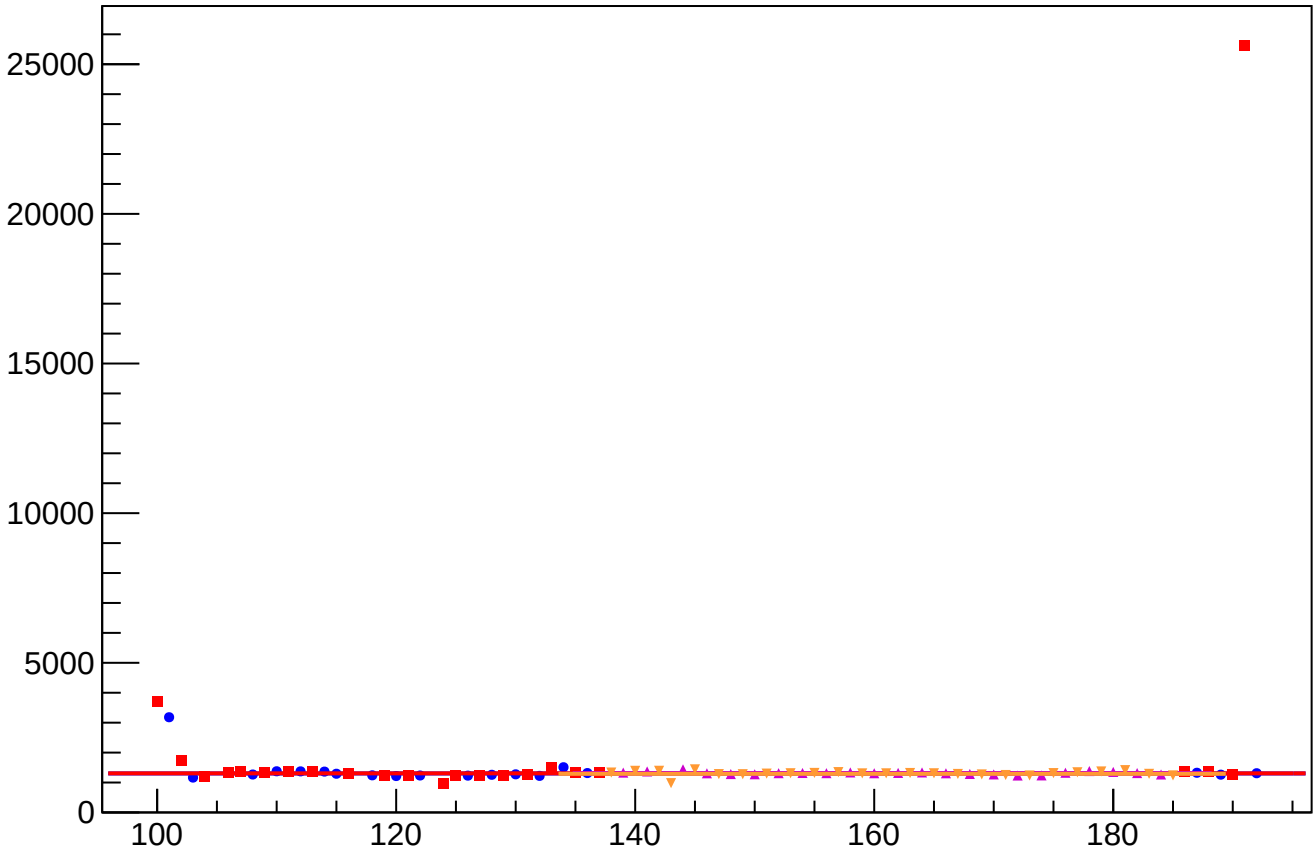
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -308.542+/-311.832 χ^2/NDF: 37.4/41

In: -520.549+/-252.322 χ^2/NDF:31.9/41

Out: 302.793+/-244.467 χ^2/NDF:67.4/47

All: -95.864+/-175.576 χ^2/NDF: 104.8/89



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: 1306.774+/-0.310 χ^2/NDF: 359849.6/22

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

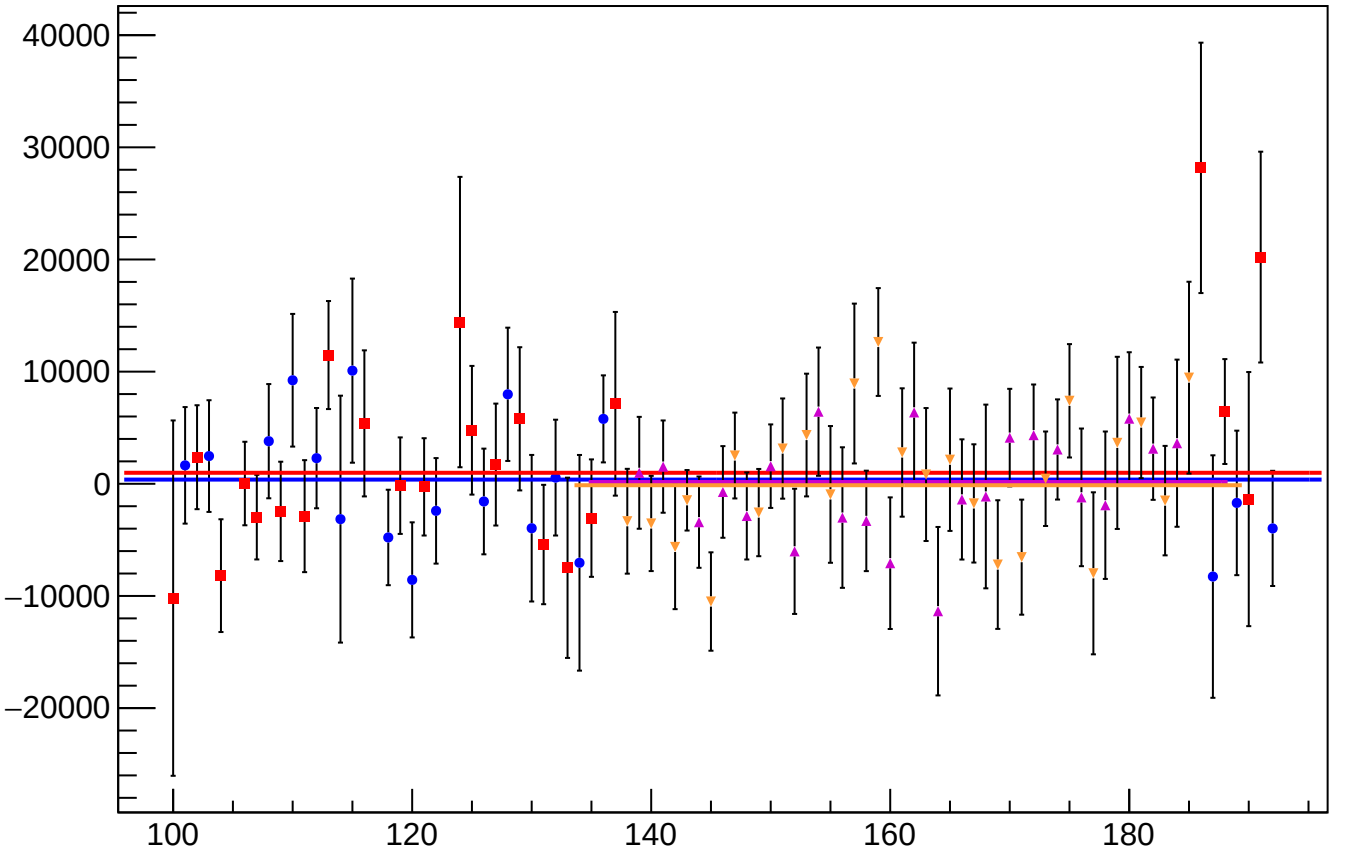
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1304.690+/-0.220 χ^2/NDF: 871811.8/41

In: 1310.293+/-0.178 χ^2/NDF:555819.3/41

Out: 1296.037+/-0.173 χ^2/NDF:592321.6/47

All: 1302.938+/-0.124 χ^2/NDF: 1151434.4/89



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: 981.723+/-1141.603 χ^2/NDF: 29.0/22

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

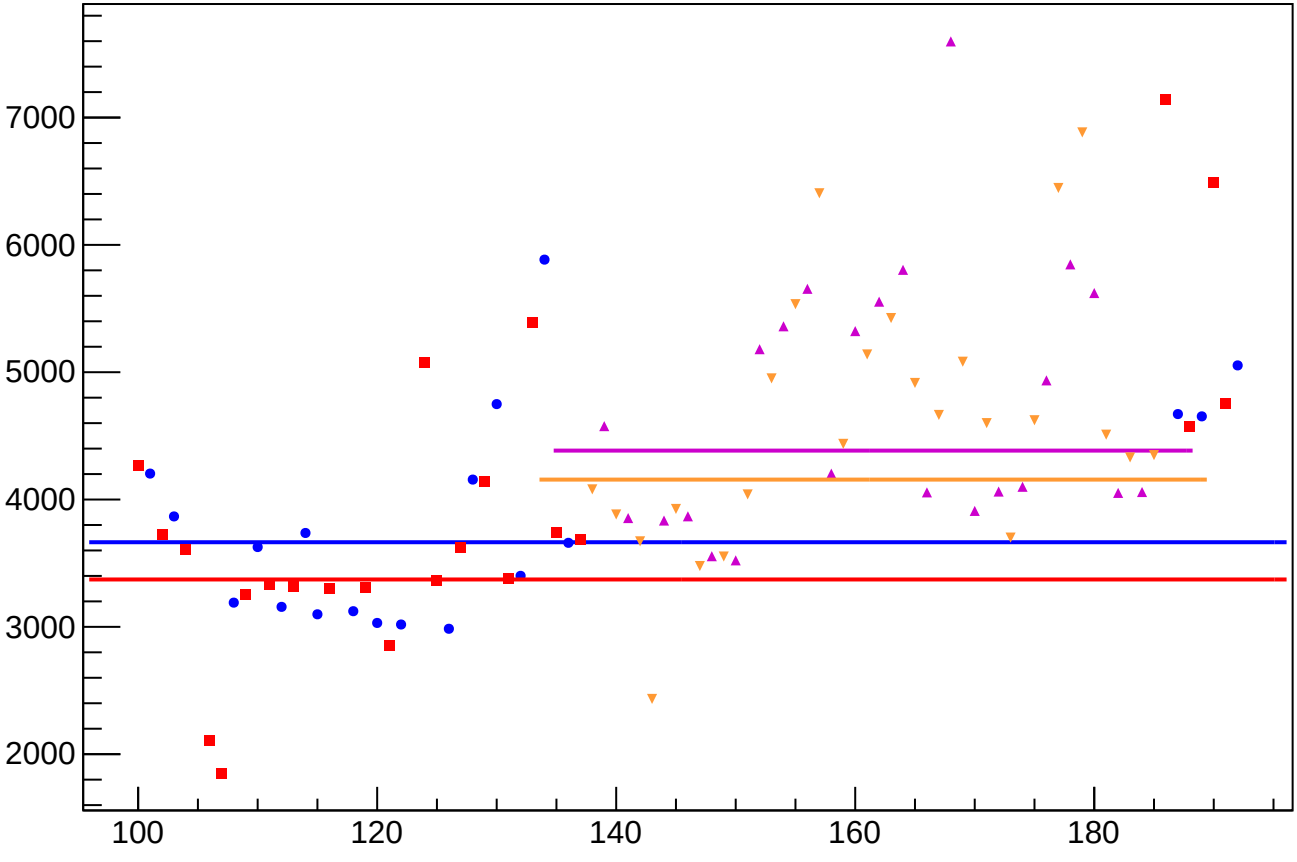
Right: 706.084+/-843.521 χ^2/NDF: 44.8/41

In: 247.875+/-802.456 χ^2/NDF:29.5/41

Out: 341.710+/-742.383 χ^2/NDF:58.1/47

All: 298.436+/-544.945 χ^2/NDF: 87.6/89

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: 3372.151+/-0.807 χ^2/NDF: 1371238.4/22

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

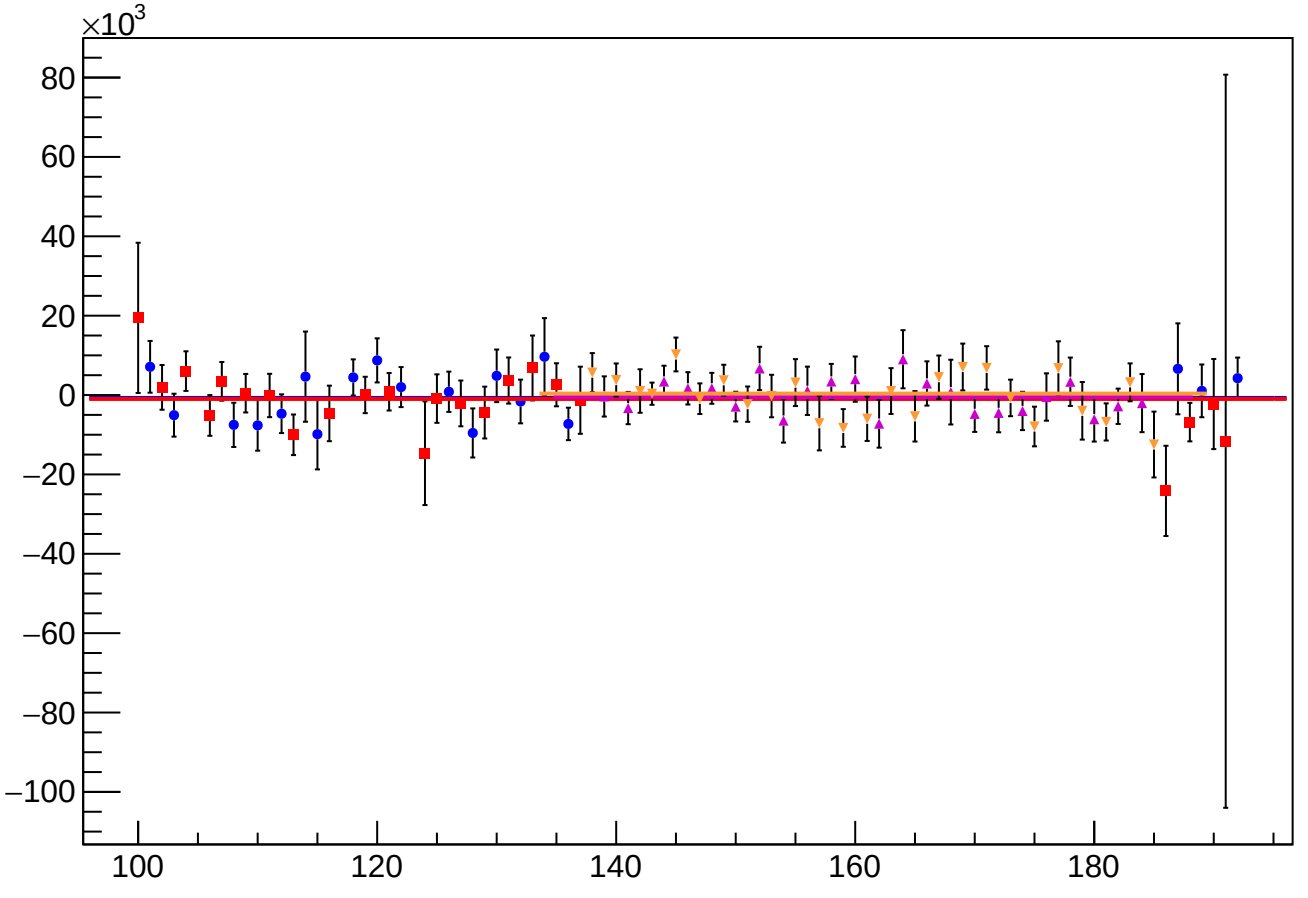
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3504.969+/-0.596 χ^2/NDF: 2042176.2/41

In: 4088.620+/-0.567 χ^2/NDF:2256158.4/41

Out: 3824.859+/-0.525 χ^2/NDF:3996982.0/47

All: 3946.498+/-0.385 χ^2/NDF: 6369568.5/89



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: -983.106+/-1271.828 χ^2/NDF: 17.6/22

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

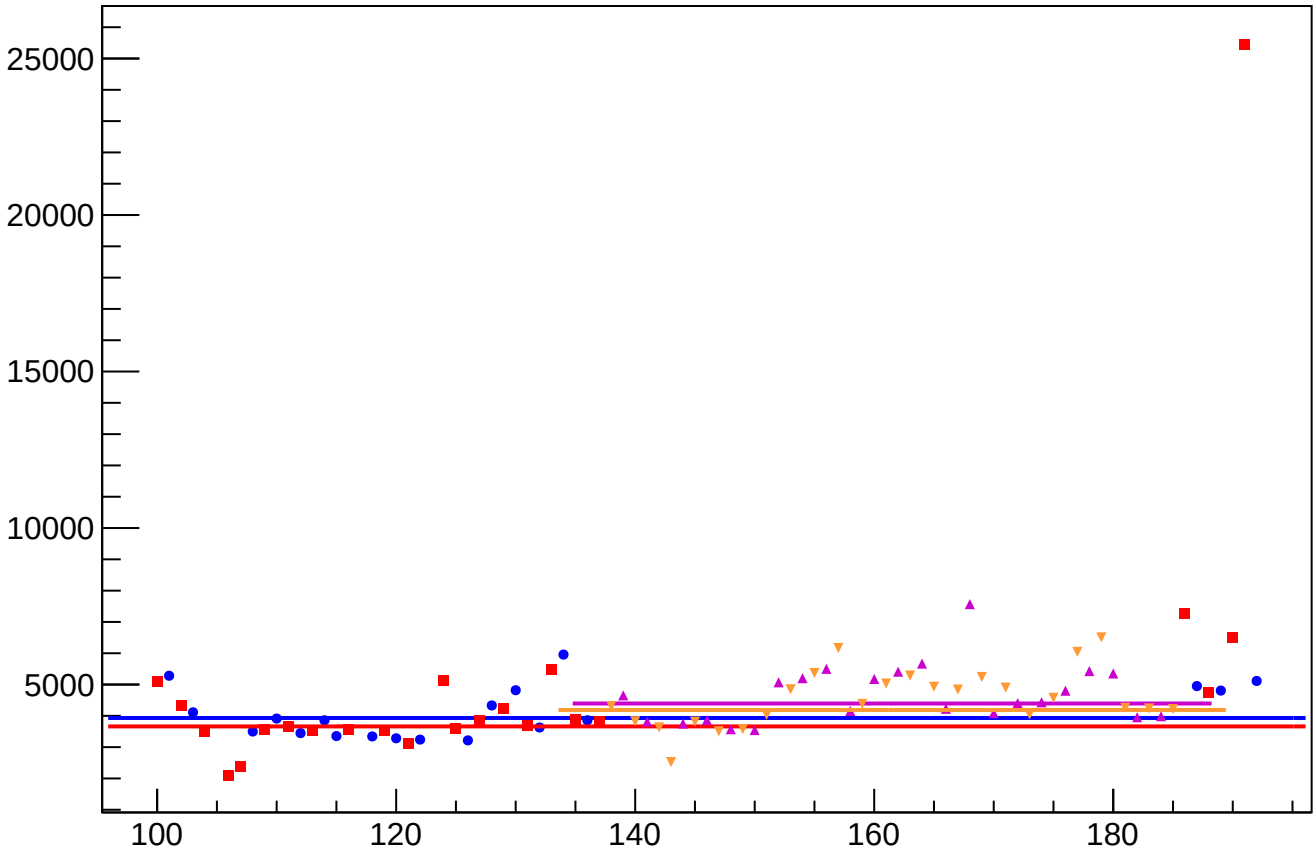
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -864.911+/-923.137 χ^2/NDF: 36.8/41

In: -586.492+/-824.370 χ^2/NDF:33.0/41

Out: -138.691+/-776.209 χ^2/NDF:46.0/47

All: -349.129+/-565.122 χ^2/NDF: 79.2/89



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: 3662.212+/-0.888 χ^2/NDF: 1163470.1/22

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

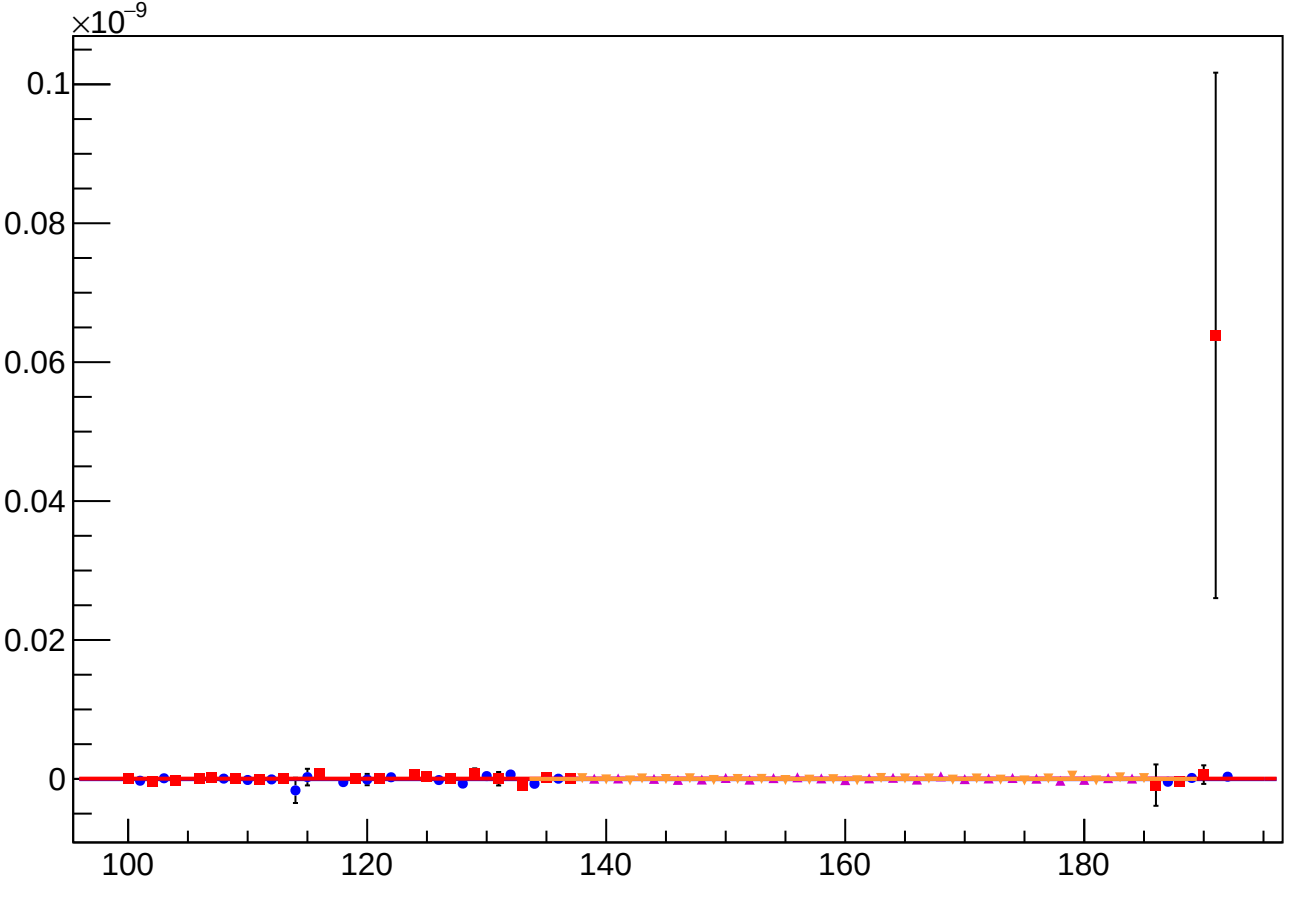
Right: 3788.241+/-0.648 χ^2/NDF: 1764596.7/41

In: 4219.911+/-0.583 χ^2/NDF:1794134.5/41

Out: 3988.990+/-0.546 χ^2/NDF:3177552.2/47

All: 4096.971+/-0.399 χ^2/NDF: 5055236.8/89

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: 21.3/22

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

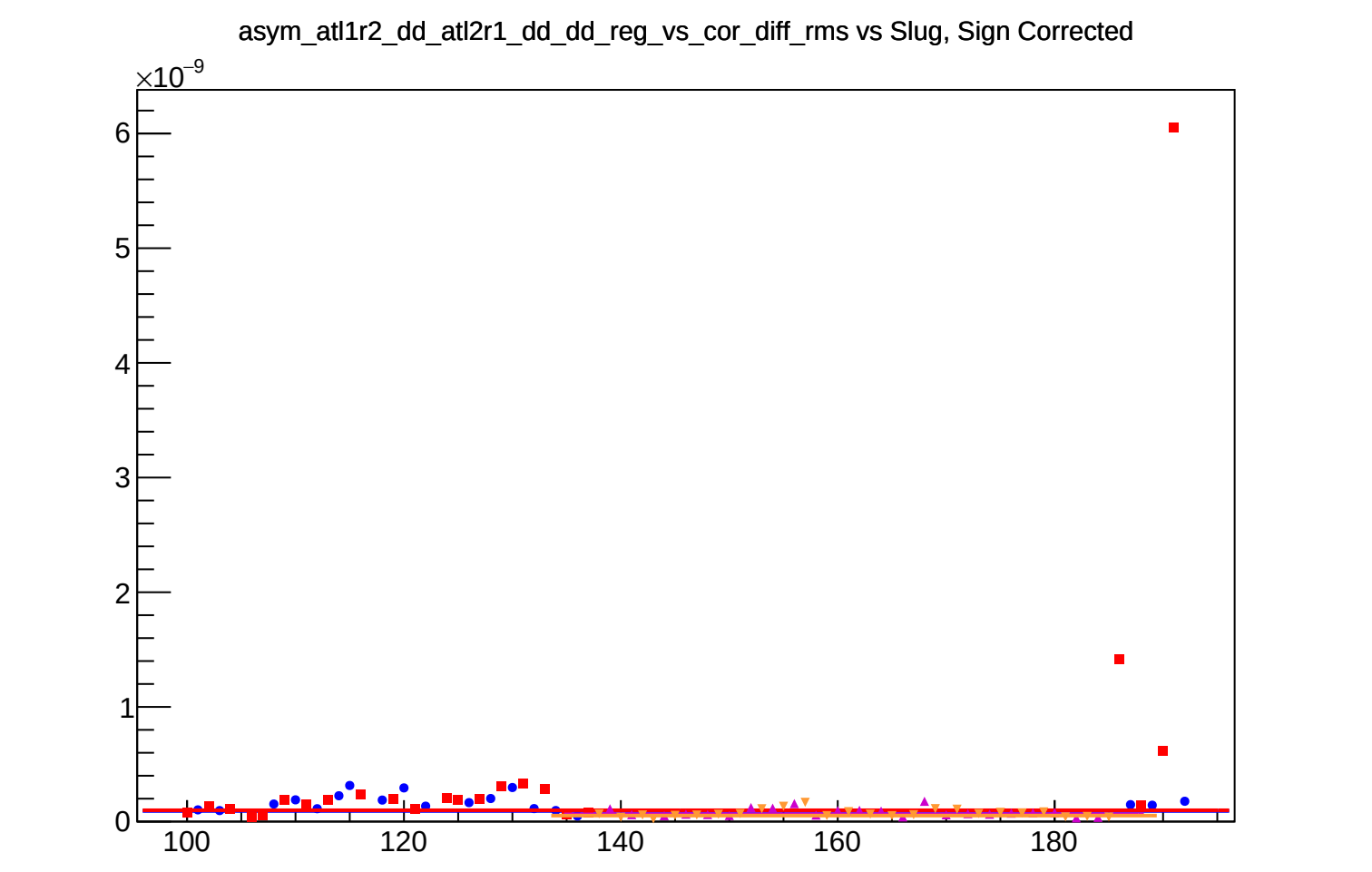
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 40.1/41

In: 0.000+/-0.000 χ^2/NDF:35.8/41

Out: 0.000+/-0.000 χ^2/NDF:52.1/47

All: 0.000+/-0.000 χ^2/NDF: 88.1/89



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: 2536214.4/22

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

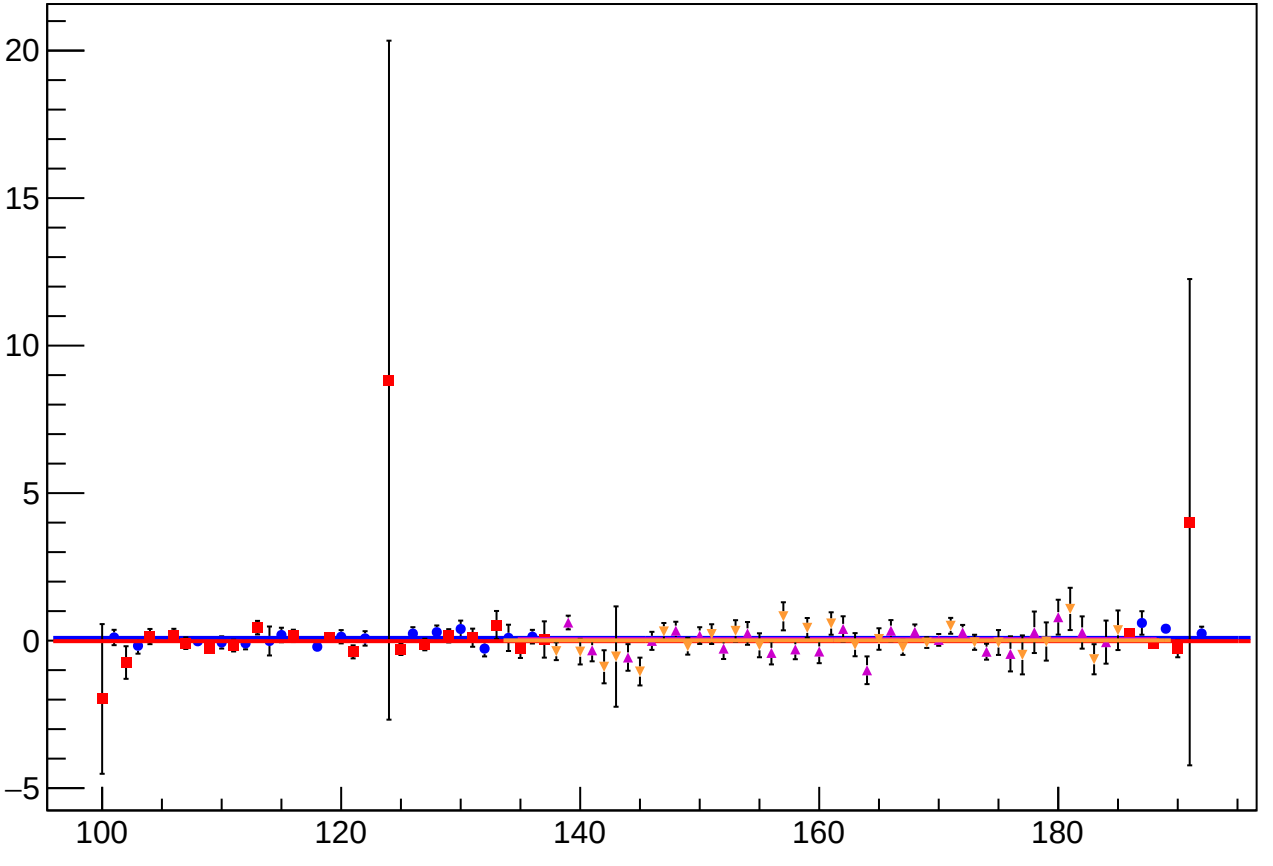
Right: 0.000+/-0.000 χ^2/NDF: 4153016.6/41

In: 0.000+/-0.000 χ^2/NDF:3819084.5/41

Out: 0.000+/-0.000 χ^2/NDF:6146794.7/47

All: 0.000+/-0.000 χ^2/NDF: 10192130.5/89

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: -0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

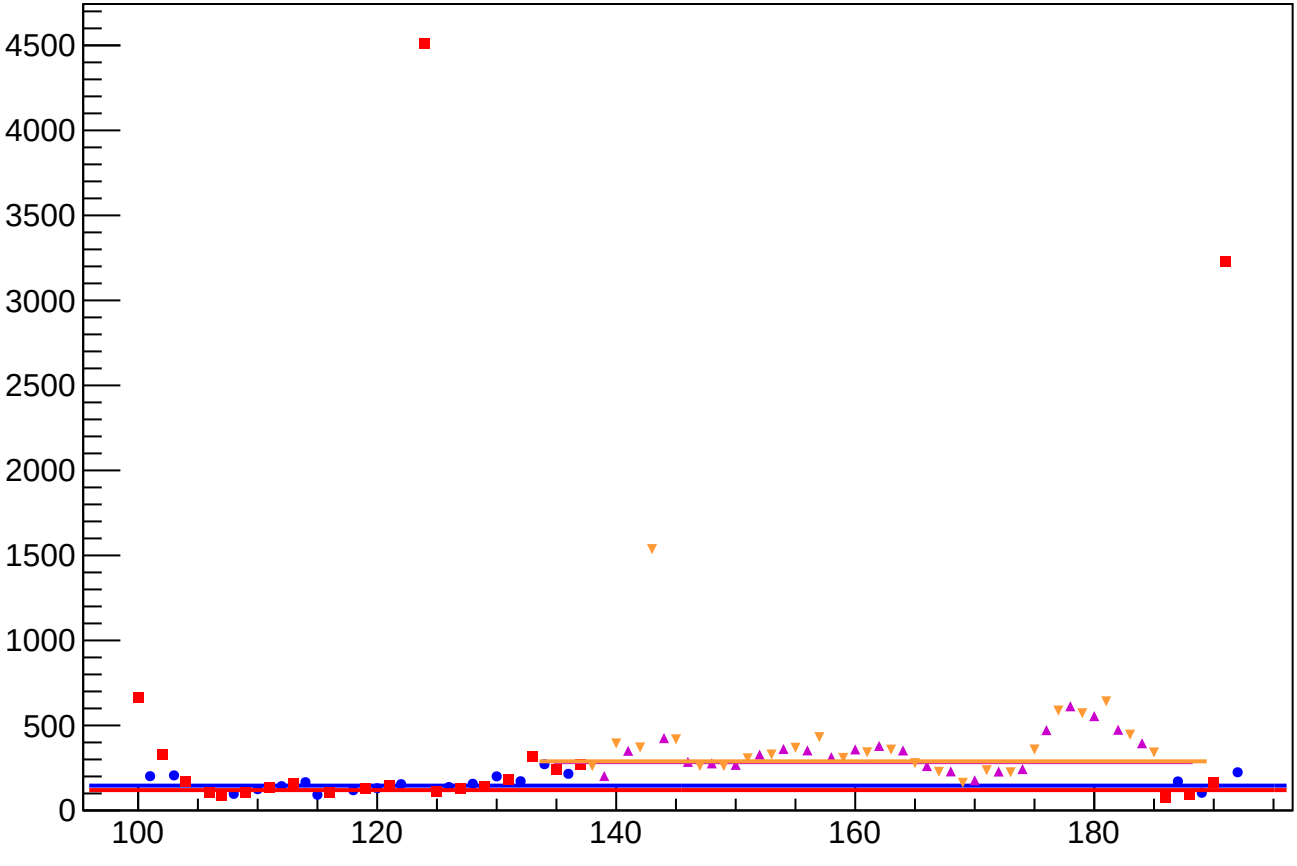
Right: 0.028+/-0.034 χ^2/NDF: 45.3/41

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.011+/-0.038 χ^2/NDF:54.7/47

All: 0.029+/-0.028 χ^2/NDF: 102.1/89

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: 119.726+/-0.031 χ^2/NDF: 2481719.2/22

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

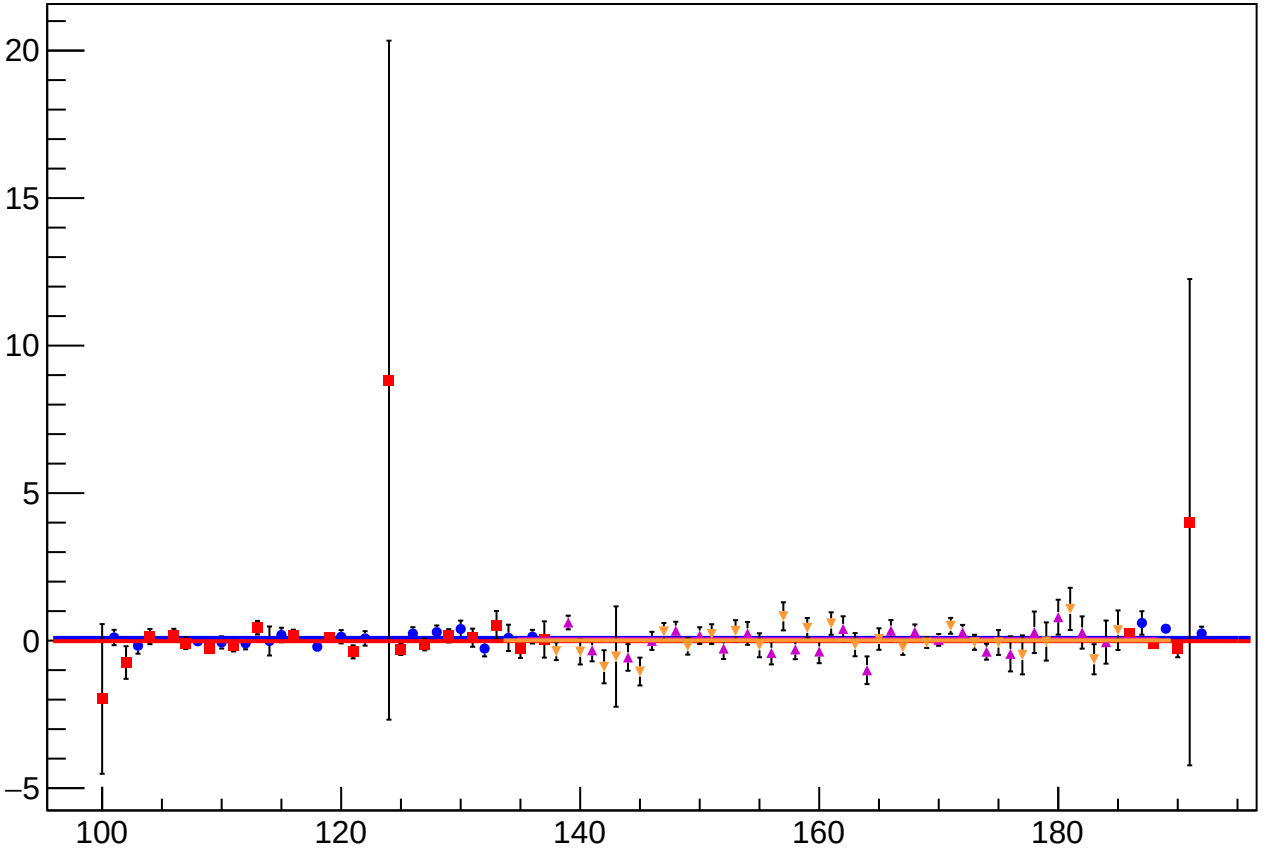
Right: 130.765+/-0.024 χ^2/NDF: 4163610.3/41

In: 194.906+/-0.030 χ^2/NDF:9439381.6/41

Out: 167.155+/-0.027 χ^2/NDF:15299671.7/47

All: 179.540+/-0.020 χ^2/NDF: 25225278.3/89

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: -0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

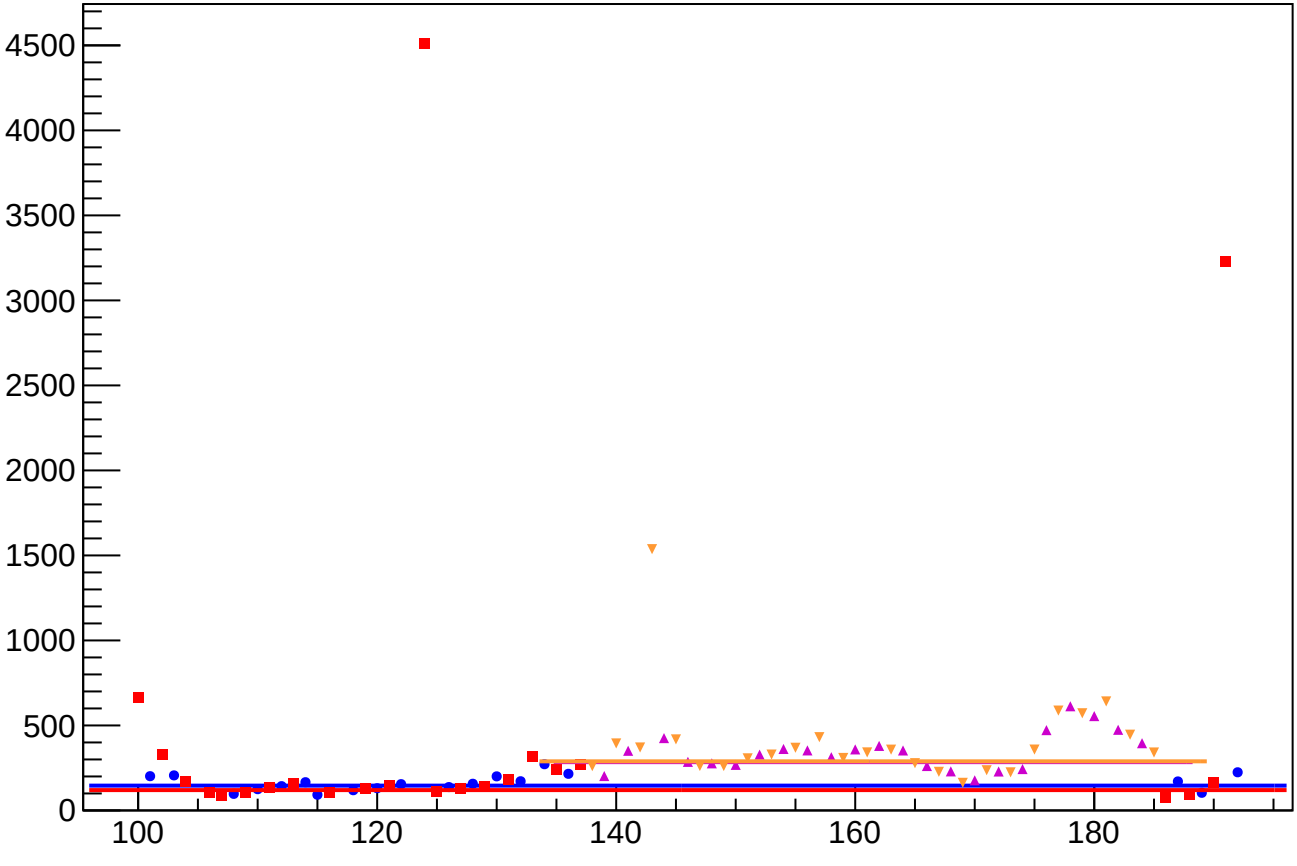
Right: 0.028+/-0.034 χ^2/NDF: 45.3/41

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.011+/-0.038 χ^2/NDF:54.7/47

All: 0.029+/-0.028 χ^2/NDF: 102.1/89

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: 119.726+/-0.031 χ^2/NDF: 2481719.2/22

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

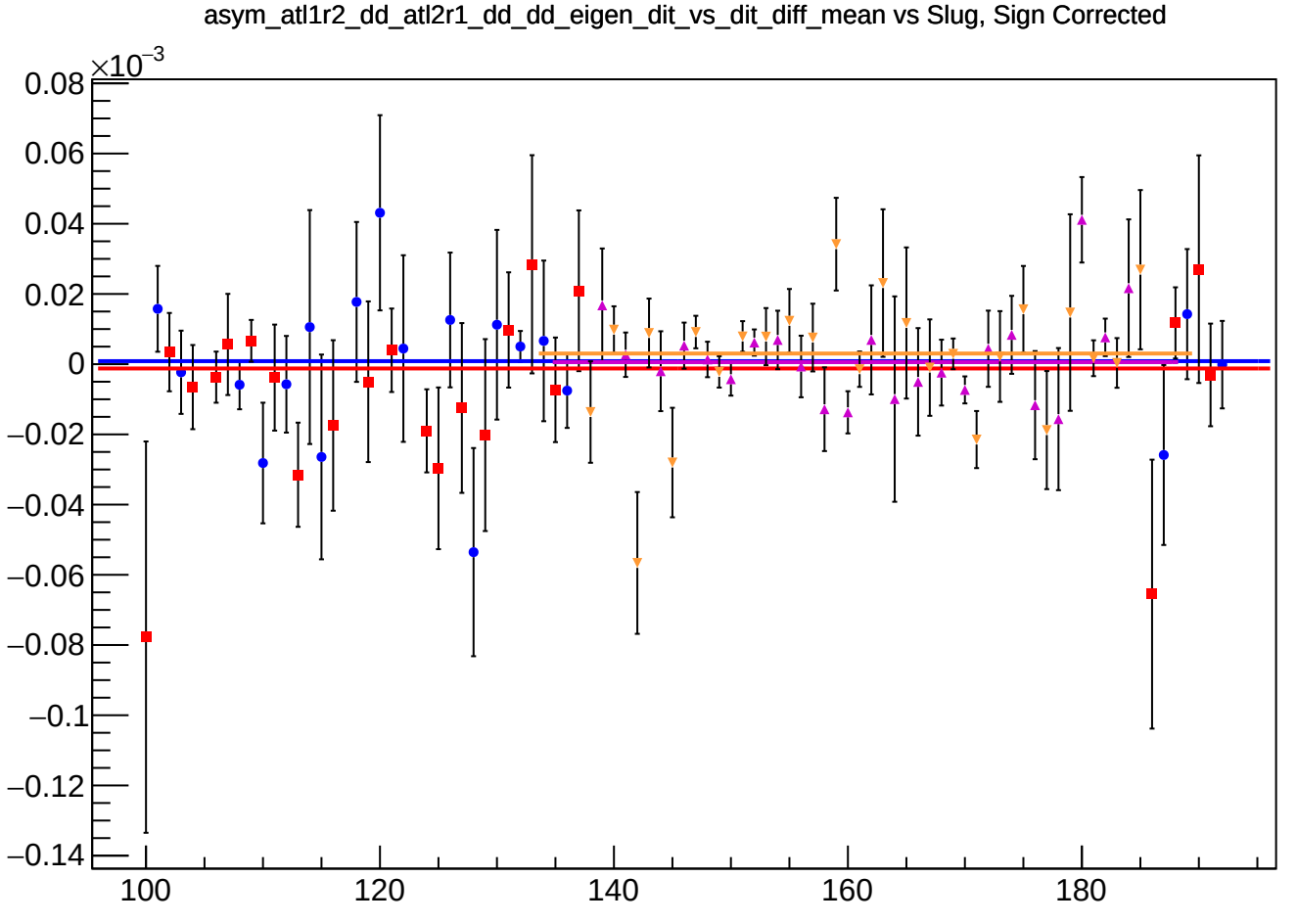
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

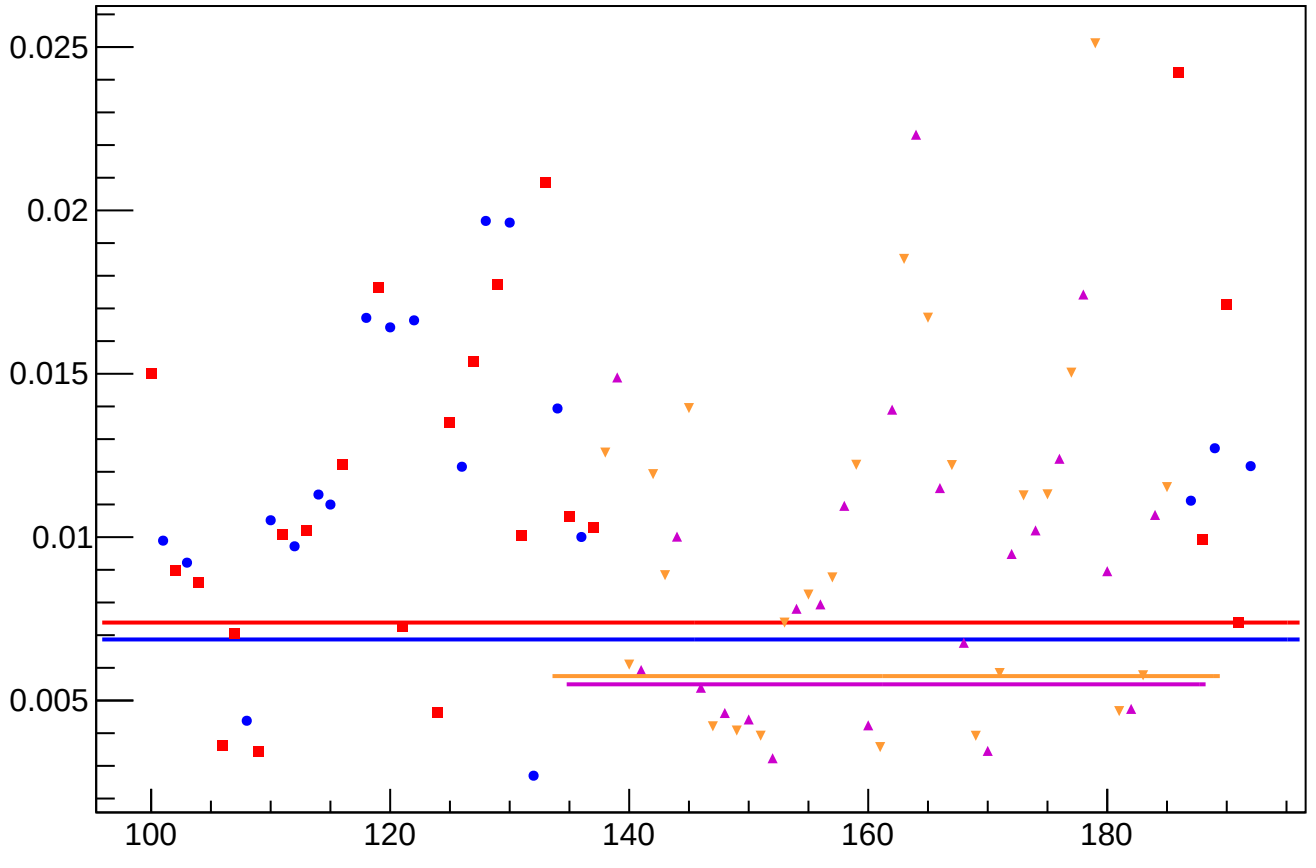
Right: 130.765+/-0.024 χ^2/NDF: 4163610.3/41

In: 194.906+/-0.030 χ^2/NDF:9439381.6/41

Out: 167.155+/-0.027 χ^2/NDF:15299671.7/47

All: 179.540+/-0.020 χ^2/NDF: 25225278.3/89


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: 21.4/22
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: 38.1/41
In: 0.000+/-0.000 χ²/NDF:49.7/41
Out: 0.000+/-0.000 χ²/NDF:65.4/47
All: 0.000+/-0.000 χ²/NDF: 115.6/89



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: 0.007+/-0.000 χ^2/NDF: 4140337.9/22

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

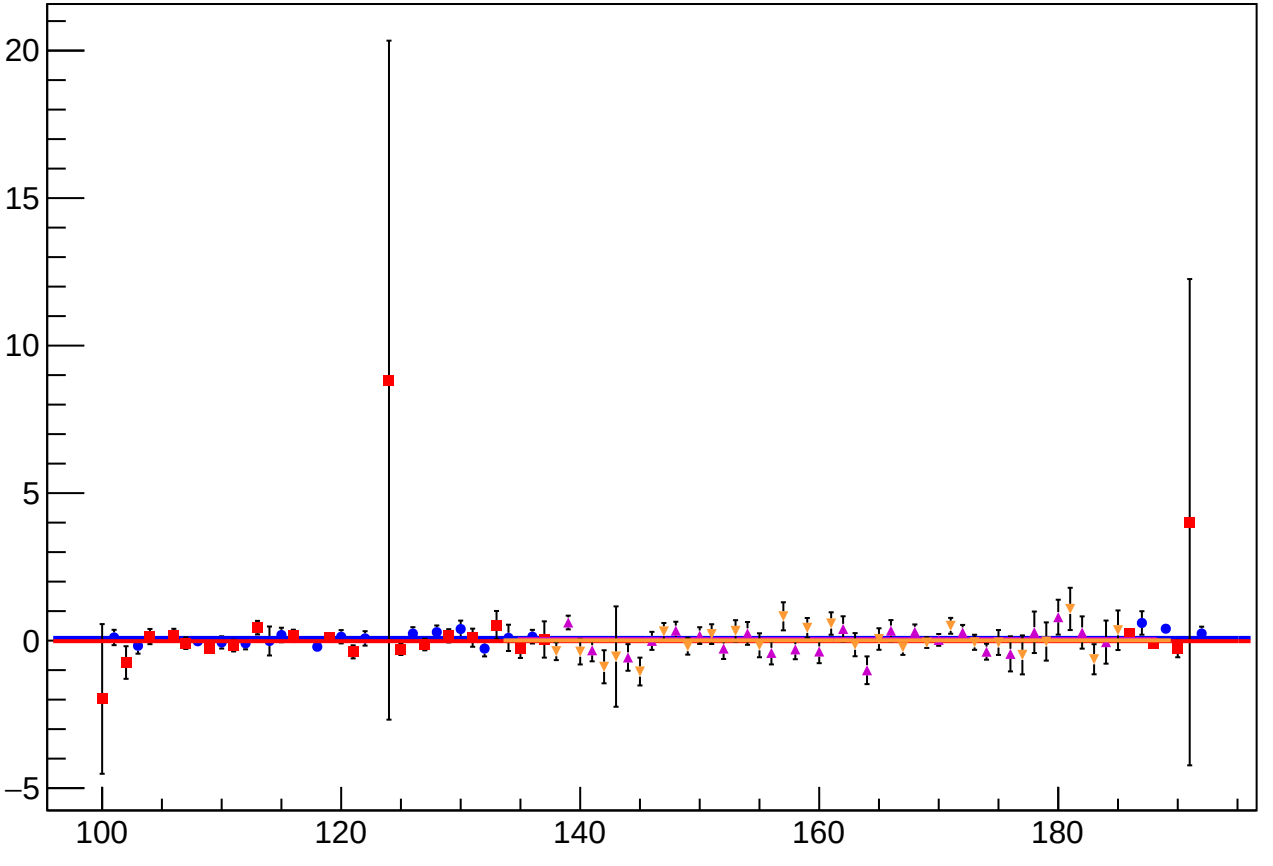
Right: 0.007+/-0.000 χ^2/NDF: 9487999.8/41

In: 0.006+/-0.000 χ^2/NDF:12622879.3/41

Out: 0.006+/-0.000 χ^2/NDF:12792925.7/47

All: 0.006+/-0.000 χ^2/NDF: 25469920.2/89

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: -0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

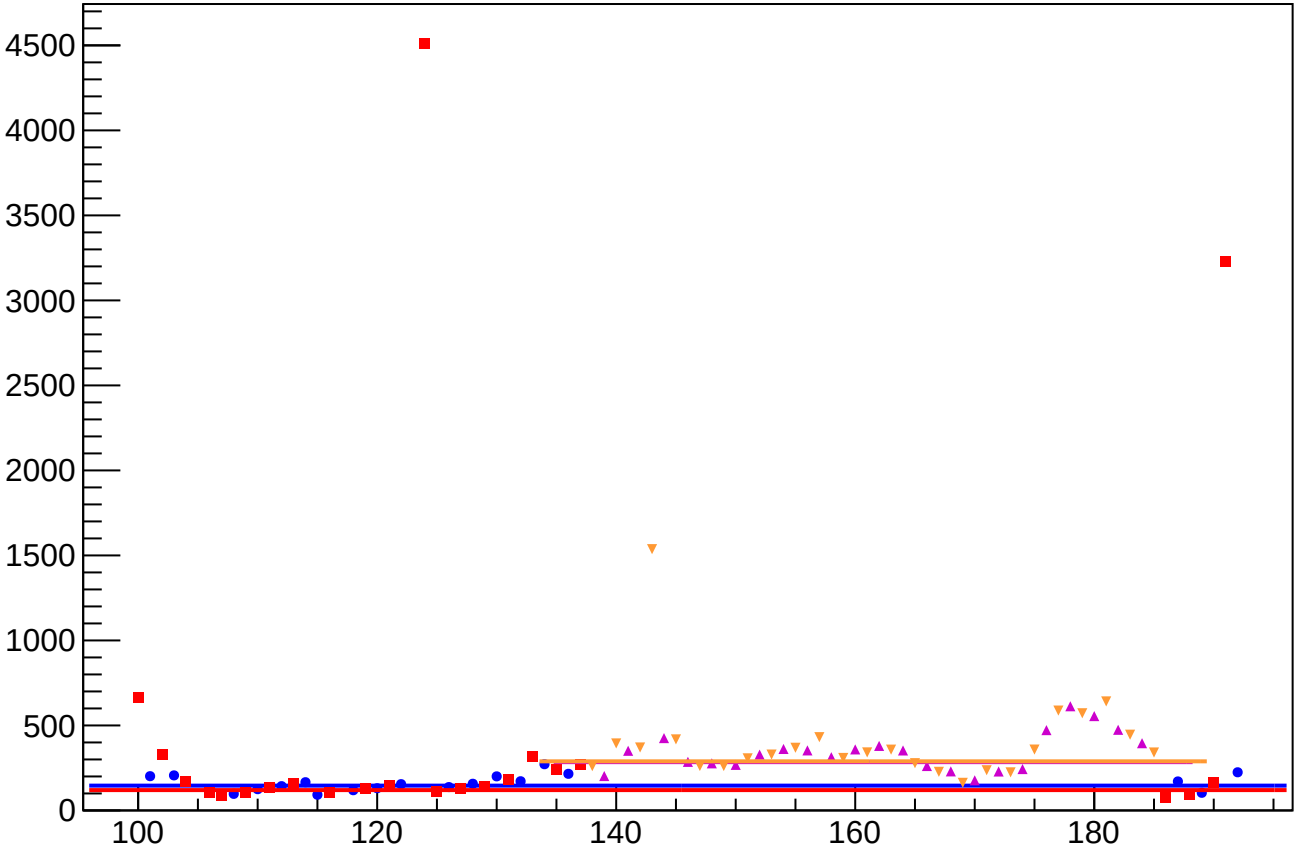
Right: 0.028+/-0.034 χ^2/NDF: 45.3/41

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.011+/-0.038 χ^2/NDF:54.7/47

All: 0.029+/-0.028 χ^2/NDF: 102.1/89

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: 119.727+/-0.031 χ^2/NDF: 2481570.6/22

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

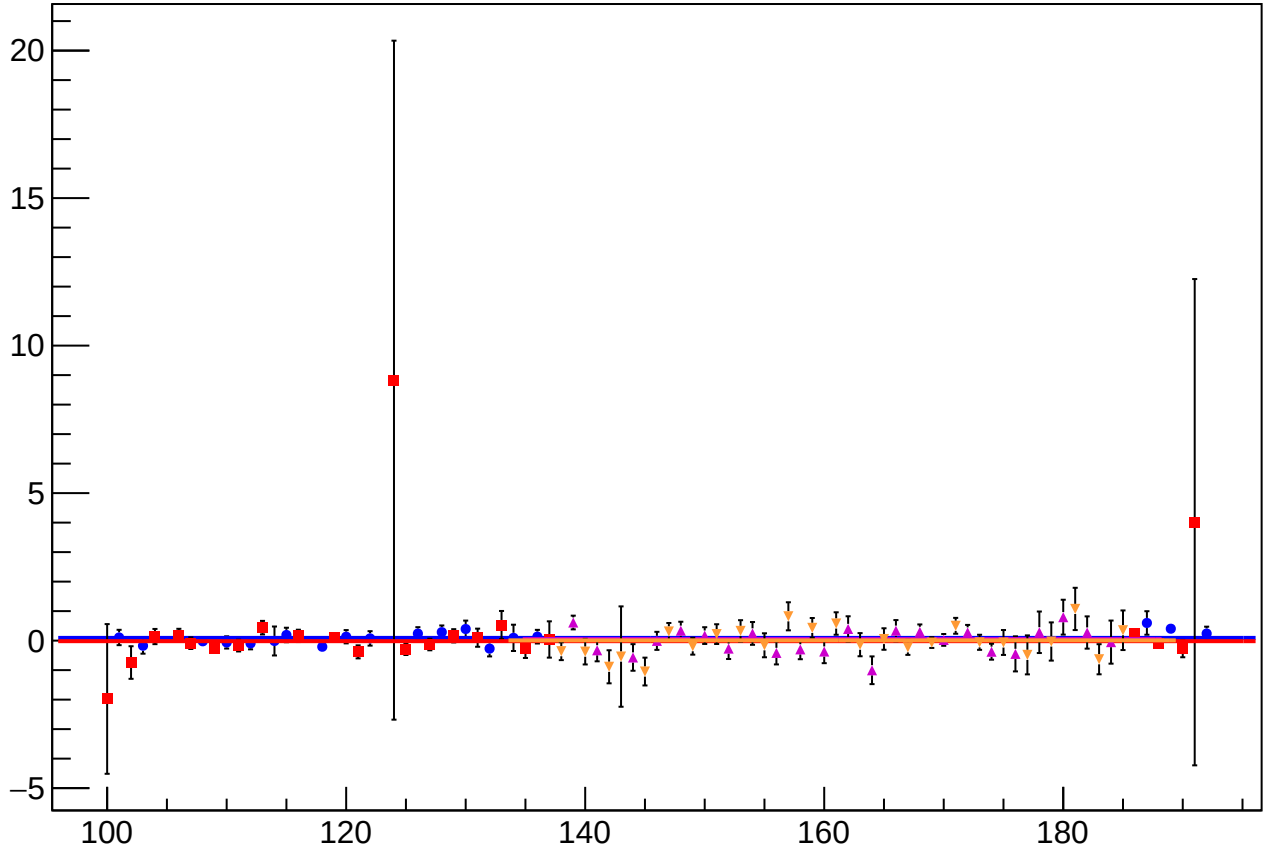
Right: 130.766+/-0.024 χ^2/NDF: 4163372.5/41

In: 194.906+/-0.030 χ^2/NDF:9439576.0/41

Out: 167.156+/-0.027 χ^2/NDF:15299485.1/47

All: 179.541+/-0.020 χ^2/NDF: 25225204.0/89

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: -0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

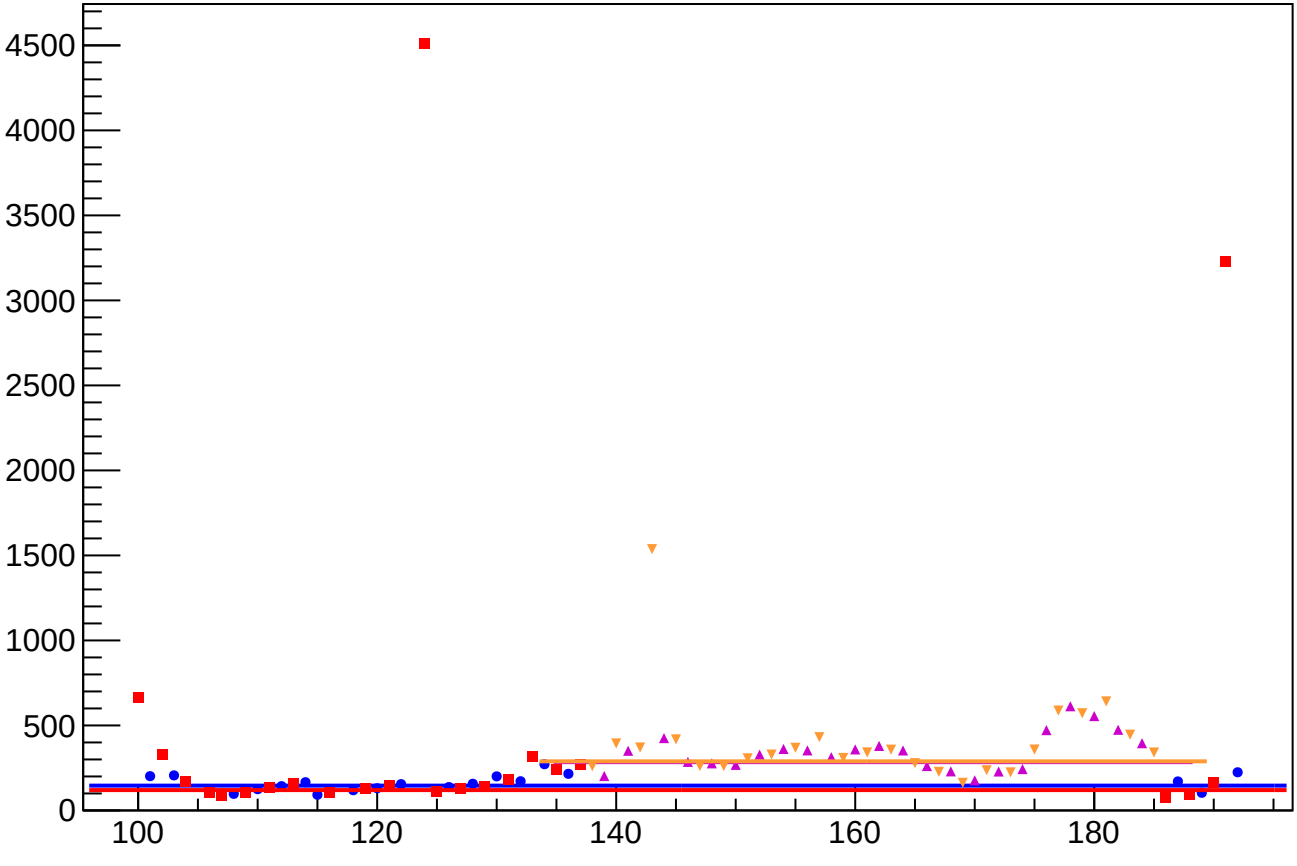
Right: 0.028+/-0.034 χ^2/NDF: 45.3/41

In: 0.079+/-0.042 χ^2/NDF:44.9/41

Out: -0.011+/-0.038 χ^2/NDF:54.7/47

All: 0.029+/-0.028 χ^2/NDF: 102.1/89

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: 119.727+/-0.031 χ^2/NDF: 2481570.6/22

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

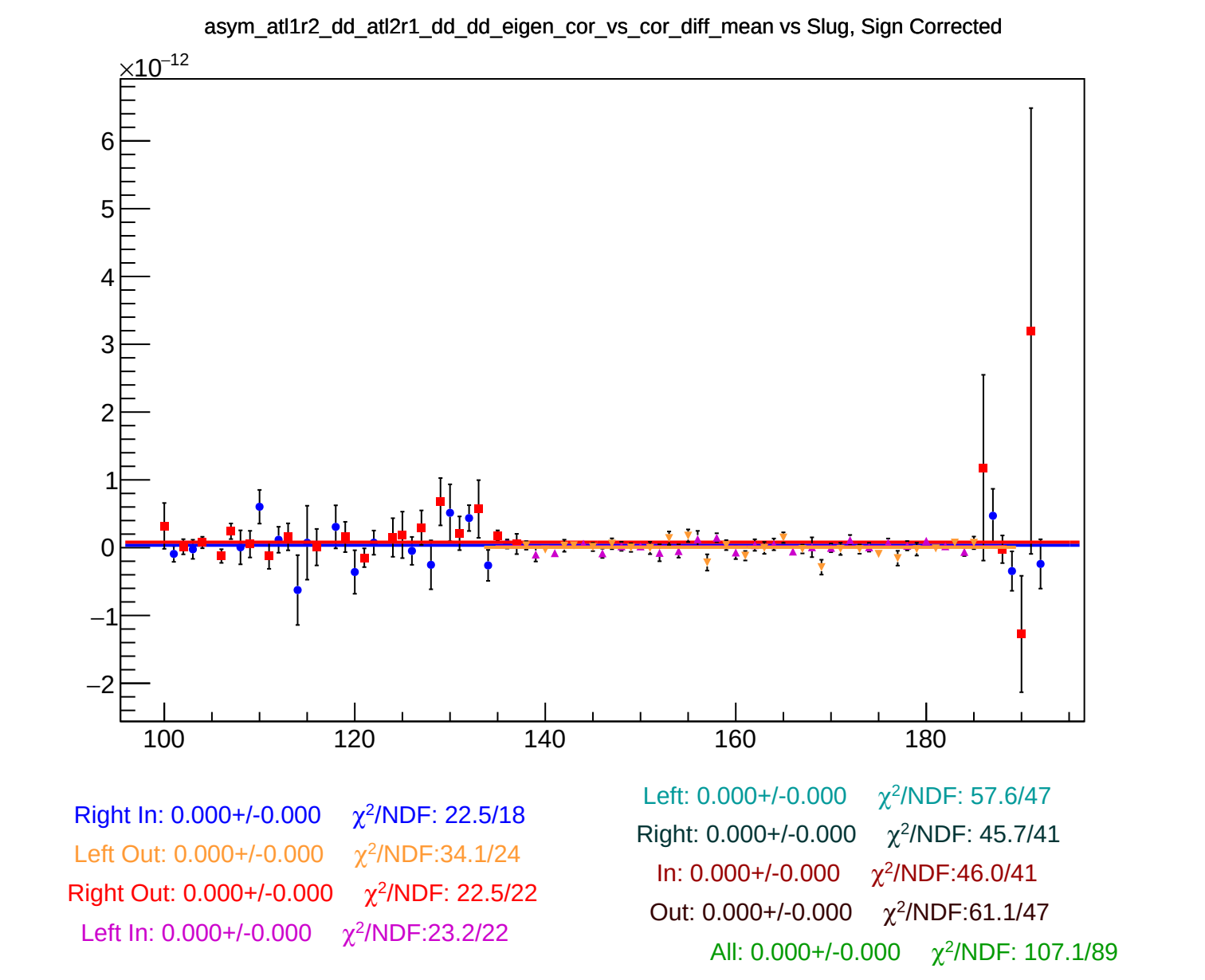
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

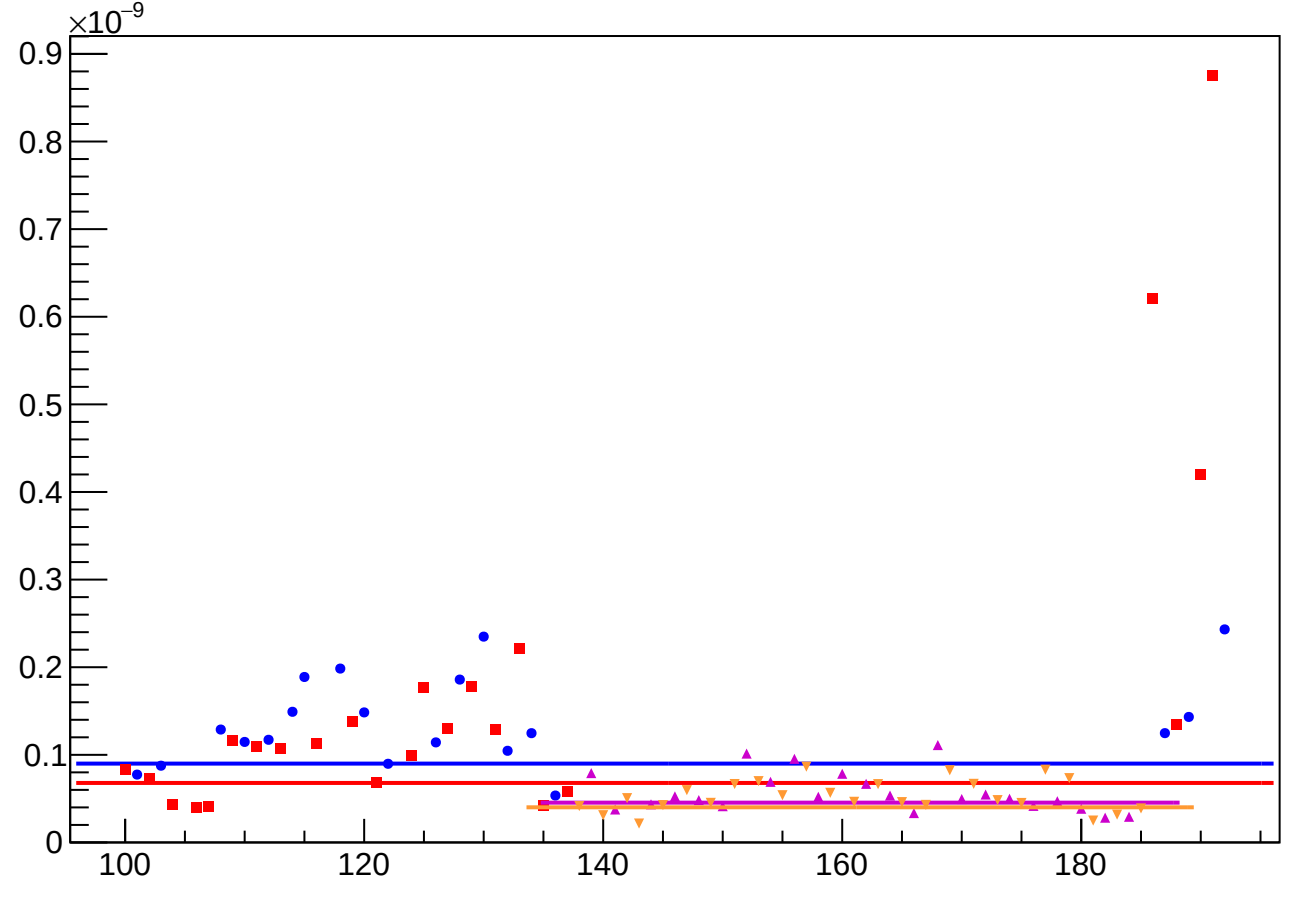
Right: 130.766+/-0.024 χ^2/NDF: 4163372.5/41

In: 194.906+/-0.030 χ^2/NDF:9439576.0/41

Out: 167.156+/-0.027 χ^2/NDF:15299485.1/47

All: 179.541+/-0.020 χ^2/NDF: 25225204.0/89


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: 22.5/22
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: 45.7/41
In: 0.000+/-0.000 χ²/NDF:46.0/41
Out: 0.000+/-0.000 χ²/NDF:61.1/47
All: 0.000+/-0.000 χ²/NDF: 107.1/89



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: 3167915.4/22

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

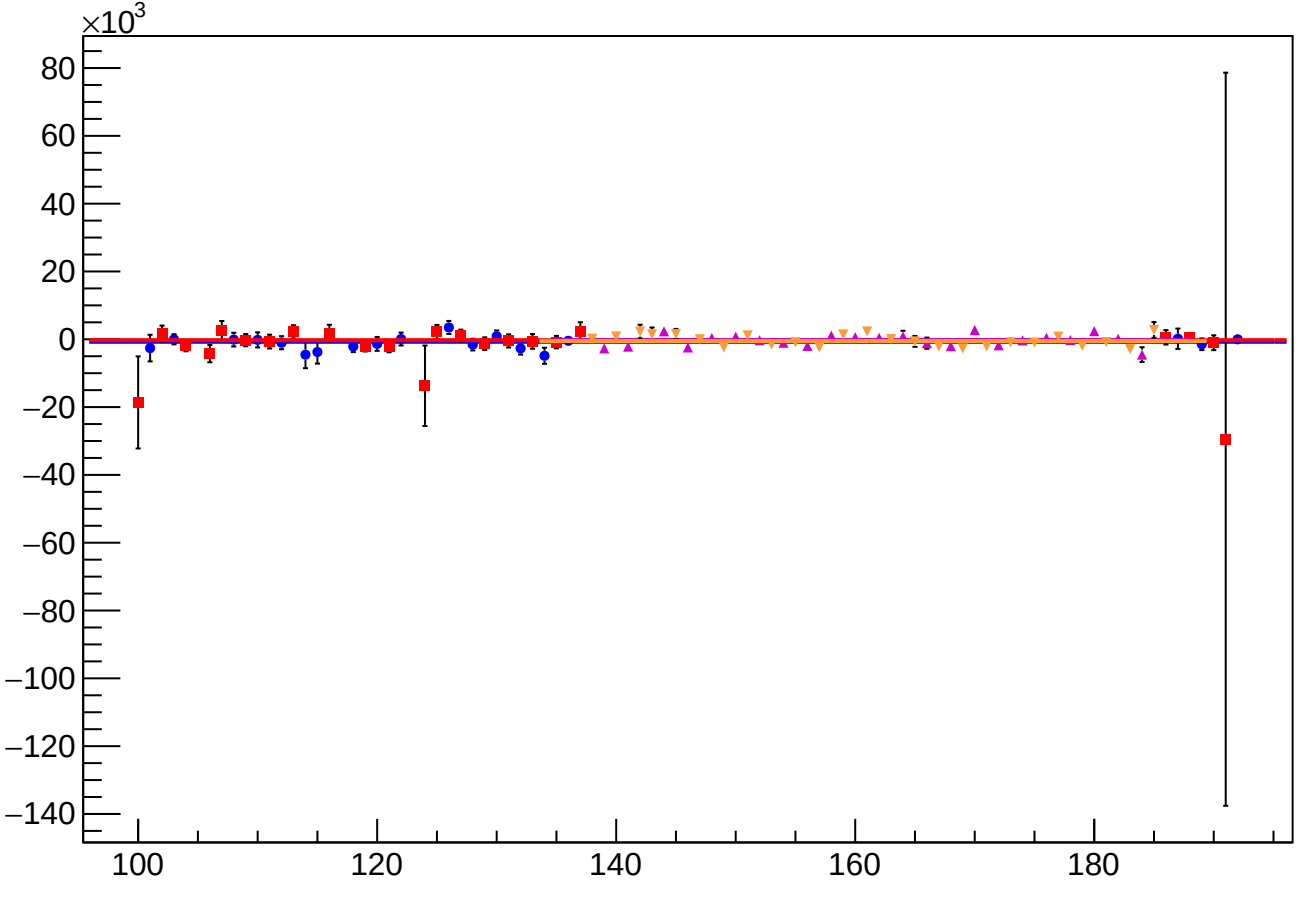
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 5523867.0/41

In: 0.000+/-0.000 χ^2/NDF:6856545.3/41

Out: 0.000+/-0.000 χ^2/NDF:7979030.3/47

All: 0.000+/-0.000 χ^2/NDF: 15104264.4/89



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: -260.292+/-438.704 χ^2/NDF: 16.4/22

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

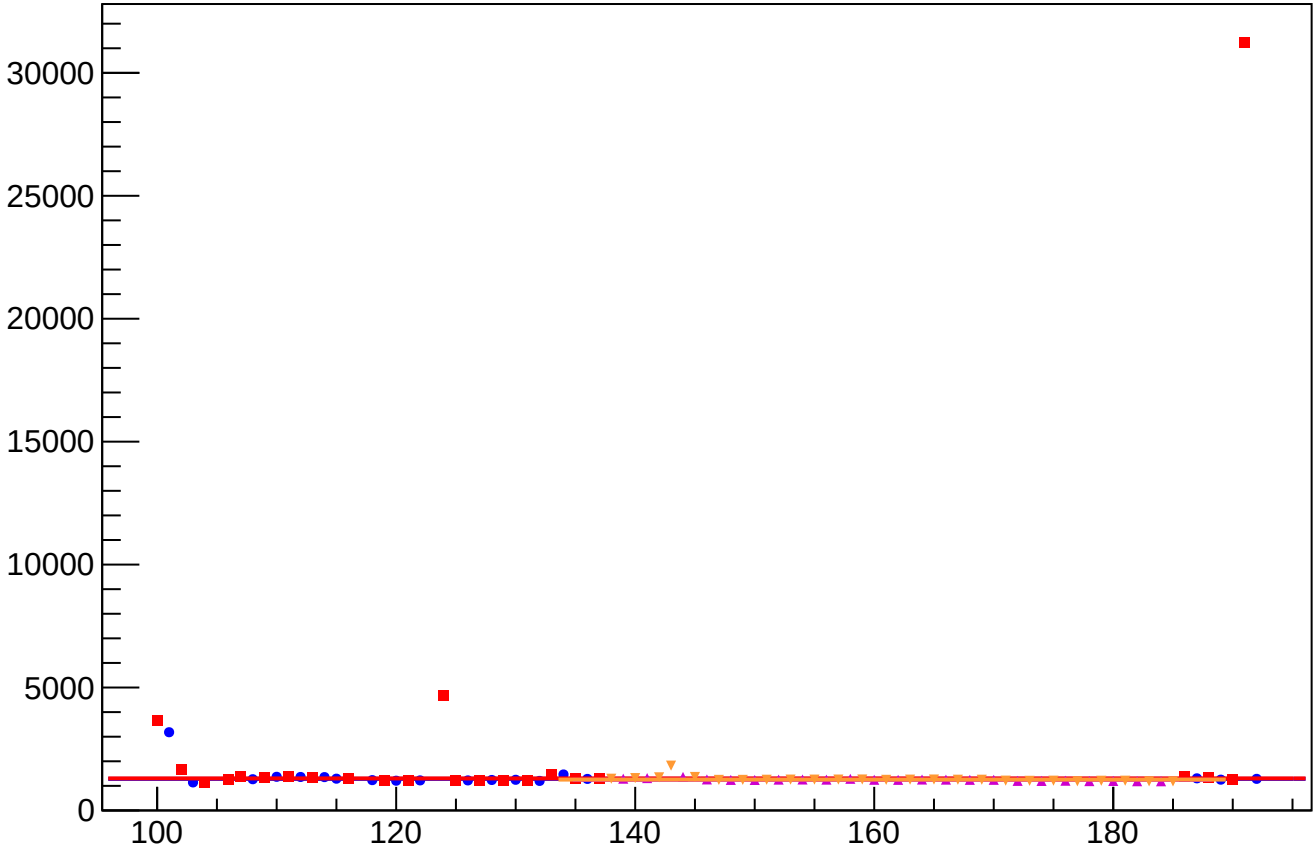
Right: -497.265+/-309.474 χ^2/NDF: 31.0/41

In: -393.302+/-242.244 χ^2/NDF:46.9/41

Out: -438.693+/-239.552 χ^2/NDF:47.5/47

All: -416.251+/-170.333 χ^2/NDF: 94.5/89

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



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: 1303.079+/-0.310 χ^2/NDF: 488294.7/22

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

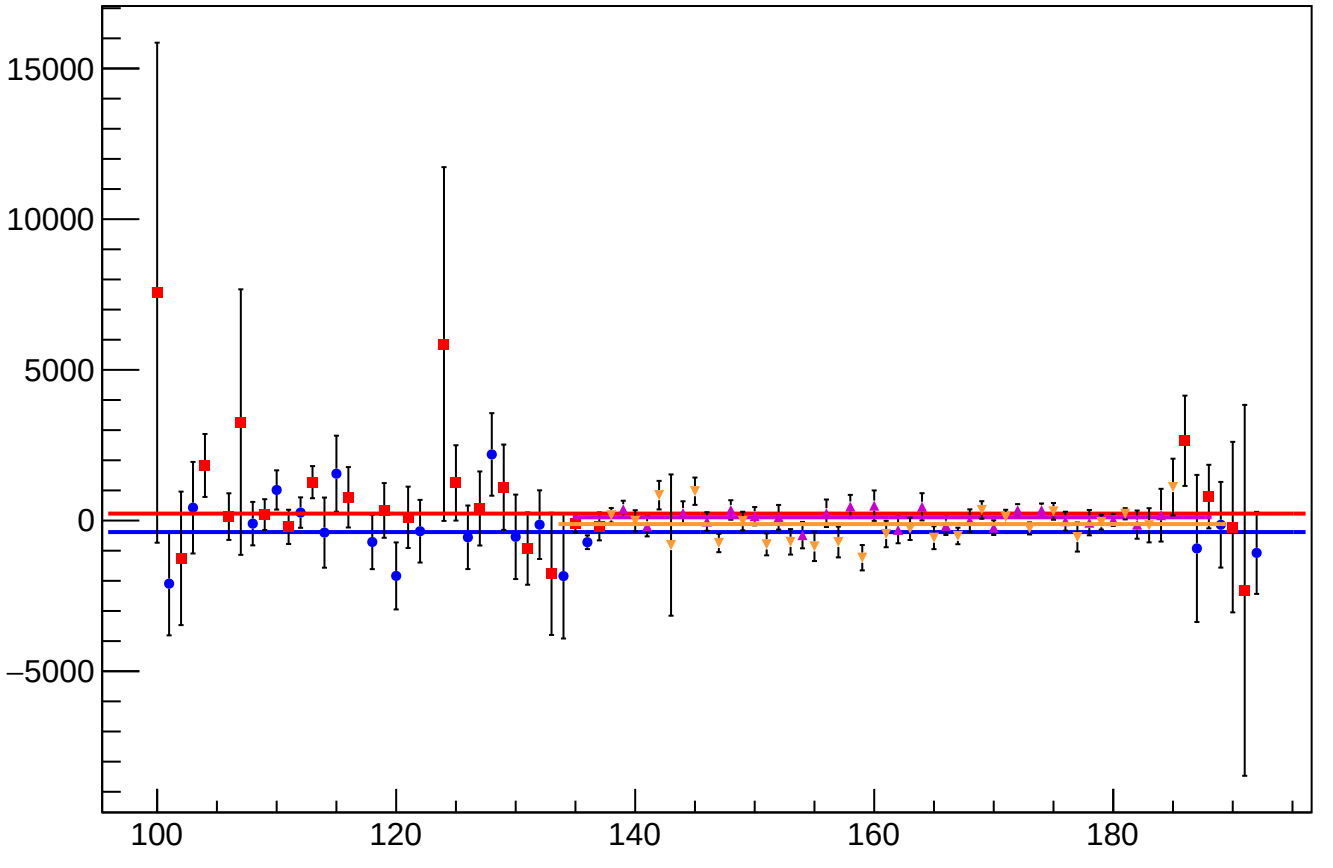
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1293.639+/-0.219 χ^2/NDF: 1009089.7/41

In: 1258.031+/-0.171 χ^2/NDF:569257.3/41

Out: 1269.696+/-0.169 χ^2/NDF:707919.7/47

All: 1263.929+/-0.120 χ^2/NDF: 1279521.9/89



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: 230.949+/-166.042 χ^2/NDF: 17.8/22

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

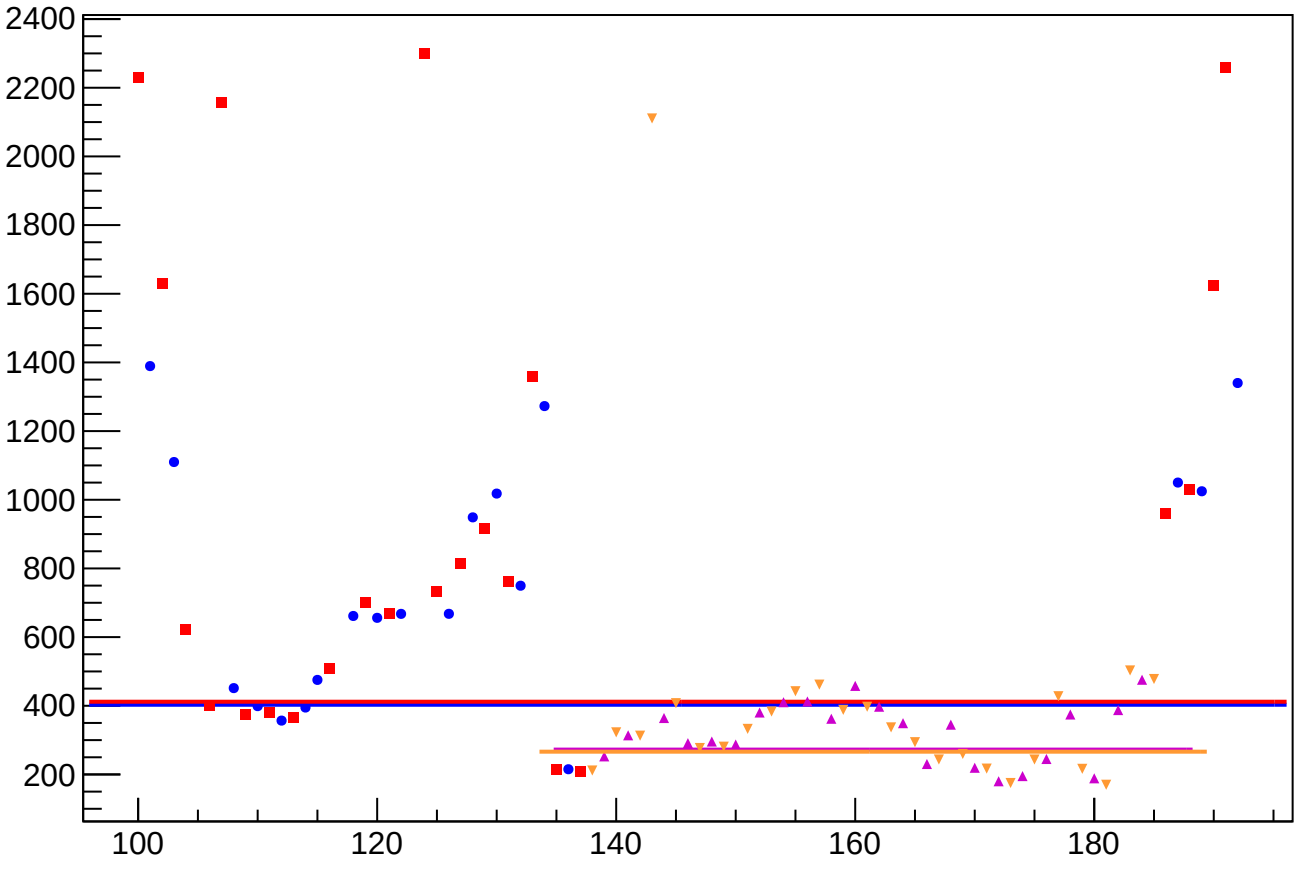
Right: -76.720+/-117.187 χ^2/NDF: 43.1/41

In: 38.364+/-62.100 χ^2/NDF:39.7/41

Out: -70.716+/-60.575 χ^2/NDF:70.0/47

All: -17.532+/-43.362 χ^2/NDF: 111.4/89

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: 411.830+/-0.117 χ^2/NDF: 5613525.2/22

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

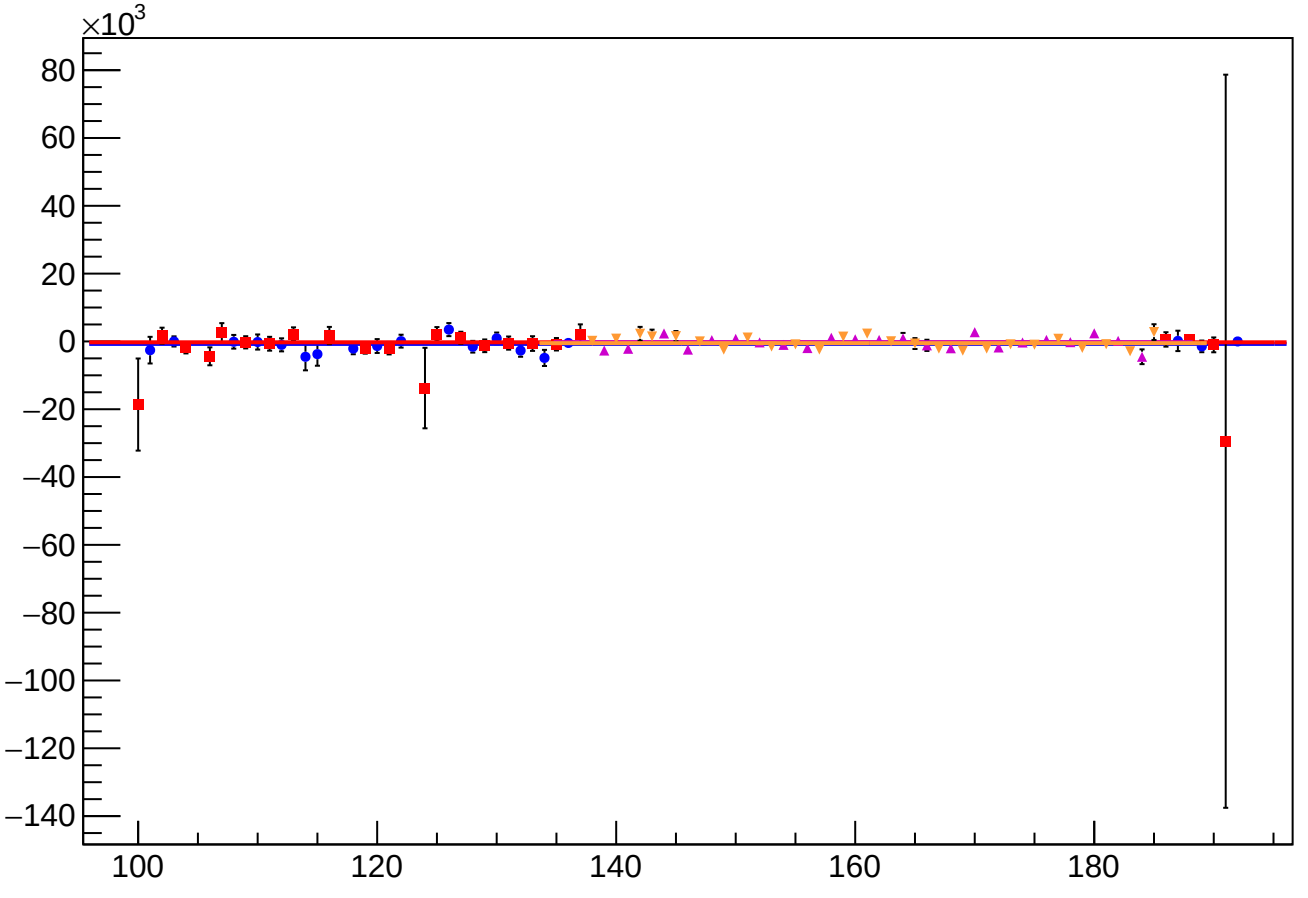
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 407.391+/-0.083 χ^2/NDF: 11326042.2/41

In: 290.777+/-0.044 χ^2/NDF:9668792.5/41

Out: 285.687+/-0.043 χ^2/NDF:11575181.9/47

All: 288.169+/-0.031 χ^2/NDF: 21250861.1/89



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: -258.002+/-439.089 χ^2/NDF: 16.4/22

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

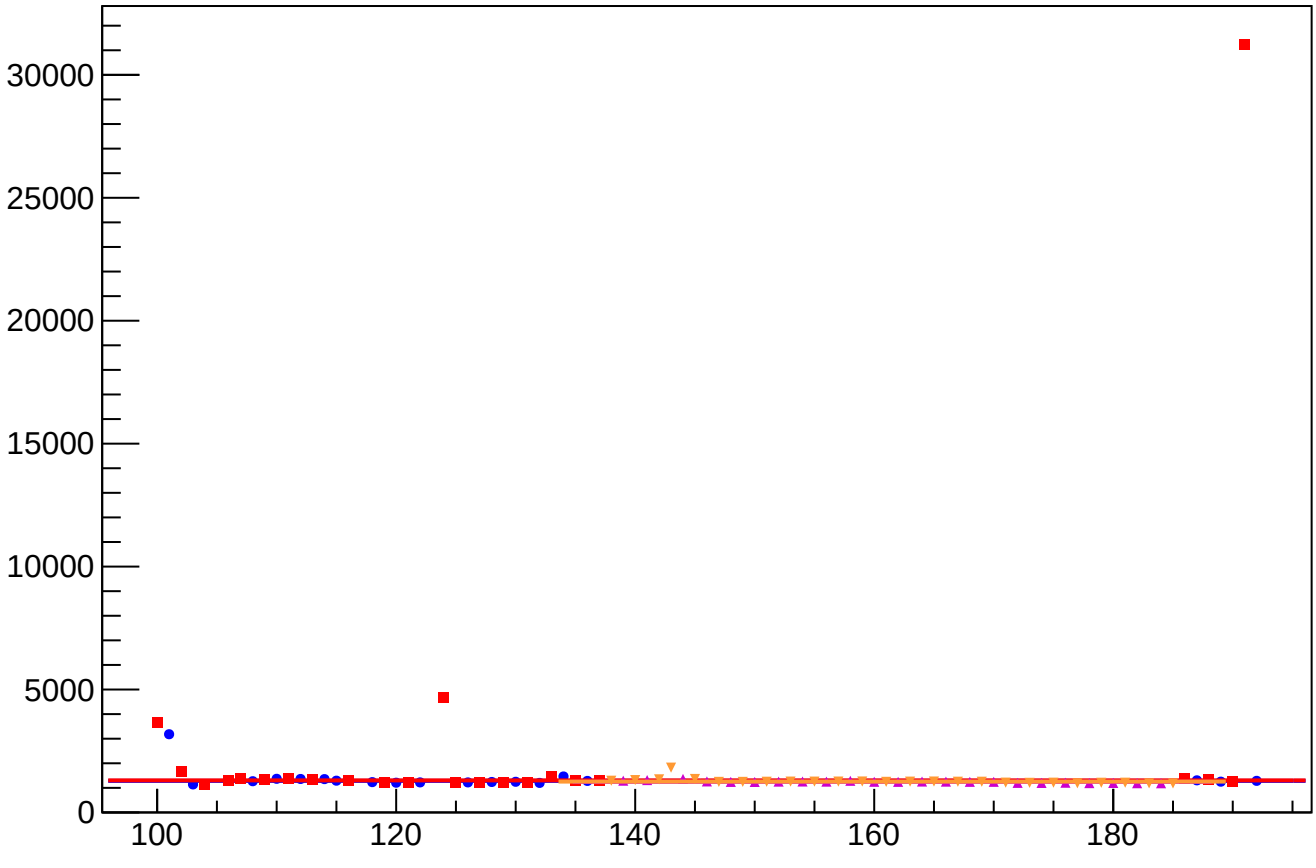
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -496.173+/-309.609 χ^2/NDF: 31.0/41

In: -393.188+/-242.244 χ^2/NDF:46.9/41

Out: -438.066+/-239.614 χ^2/NDF:47.6/47

All: -415.872+/-170.355 χ^2/NDF: 94.5/89



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: 1304.275+/-0.310 χ^2/NDF: 487793.5/22

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

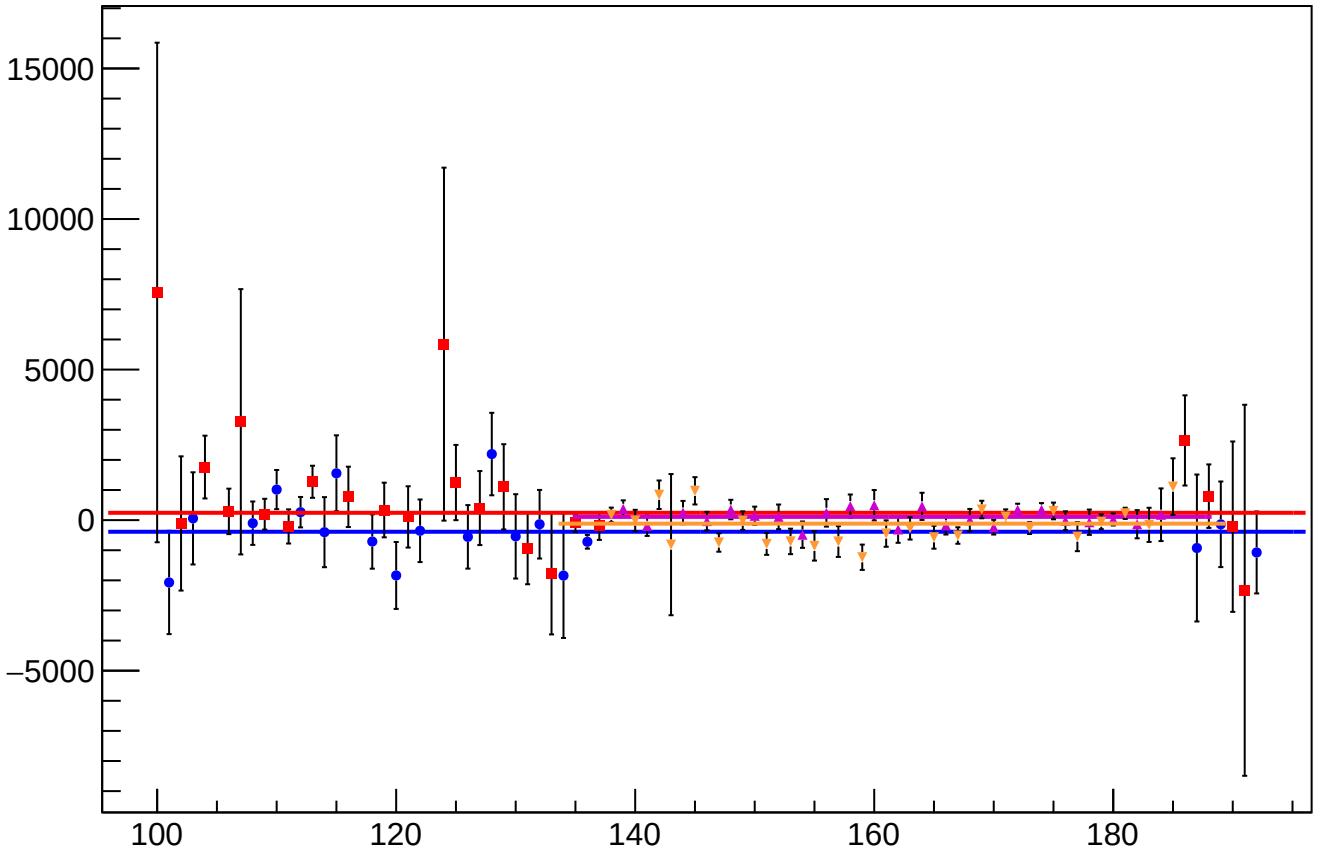
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1294.225+/-0.219 χ^2/NDF: 1008830.0/41

In: 1258.031+/-0.171 χ^2/NDF:569258.6/41

Out: 1270.035+/-0.169 χ^2/NDF:708236.8/47

All: 1264.098+/-0.120 χ^2/NDF: 1279977.8/89



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: 243.513+/-165.856 χ^2/NDF: 17.2/22

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

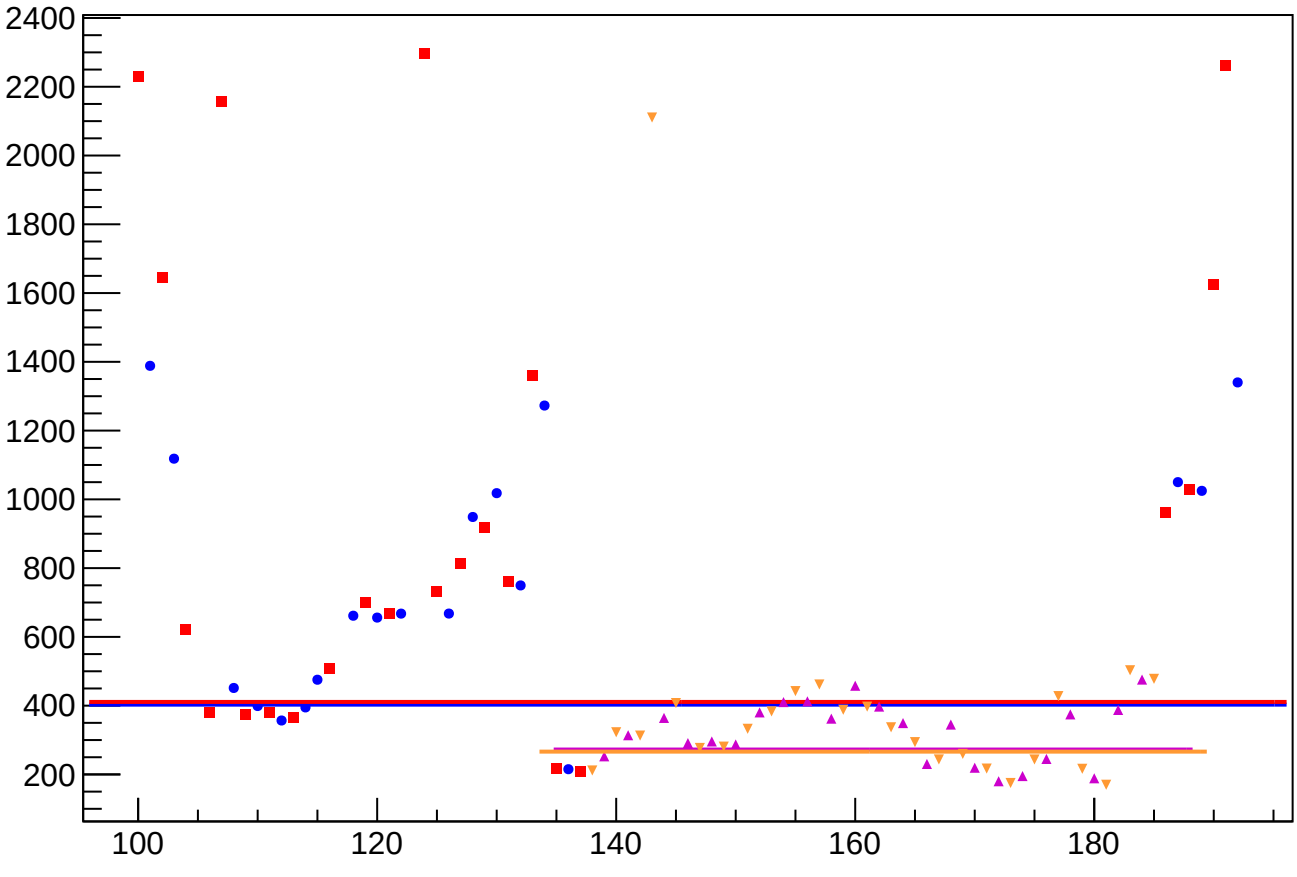
Right: -72.232+/-117.128 χ^2/NDF: 42.7/41

In: 37.869+/-62.102 χ^2/NDF:39.7/41

Out: -68.926+/-60.567 χ^2/NDF:69.7/47

All: -16.865+/-43.360 χ^2/NDF: 110.9/89

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: 410.866+/-0.117 χ^2/NDF: 5623032.0/22

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

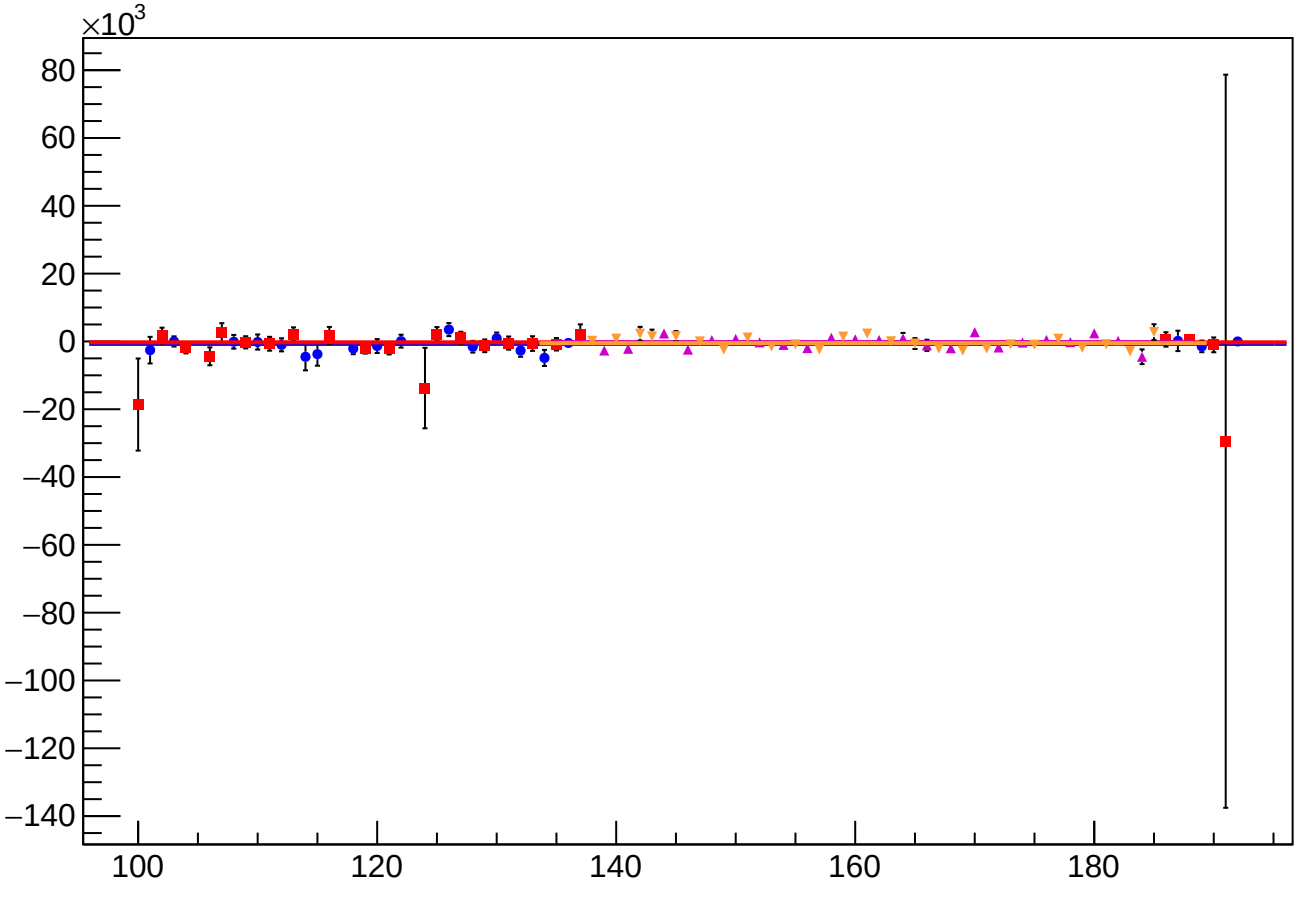
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 406.914+/-0.083 χ^2/NDF: 11338129.6/41

In: 290.783+/-0.044 χ^2/NDF:9671312.4/41

Out: 285.601+/-0.043 χ^2/NDF:11569571.6/47

All: 288.127+/-0.031 χ^2/NDF: 21248019.1/89



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: -258.002+/-439.089 χ^2/NDF: 16.4/22

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

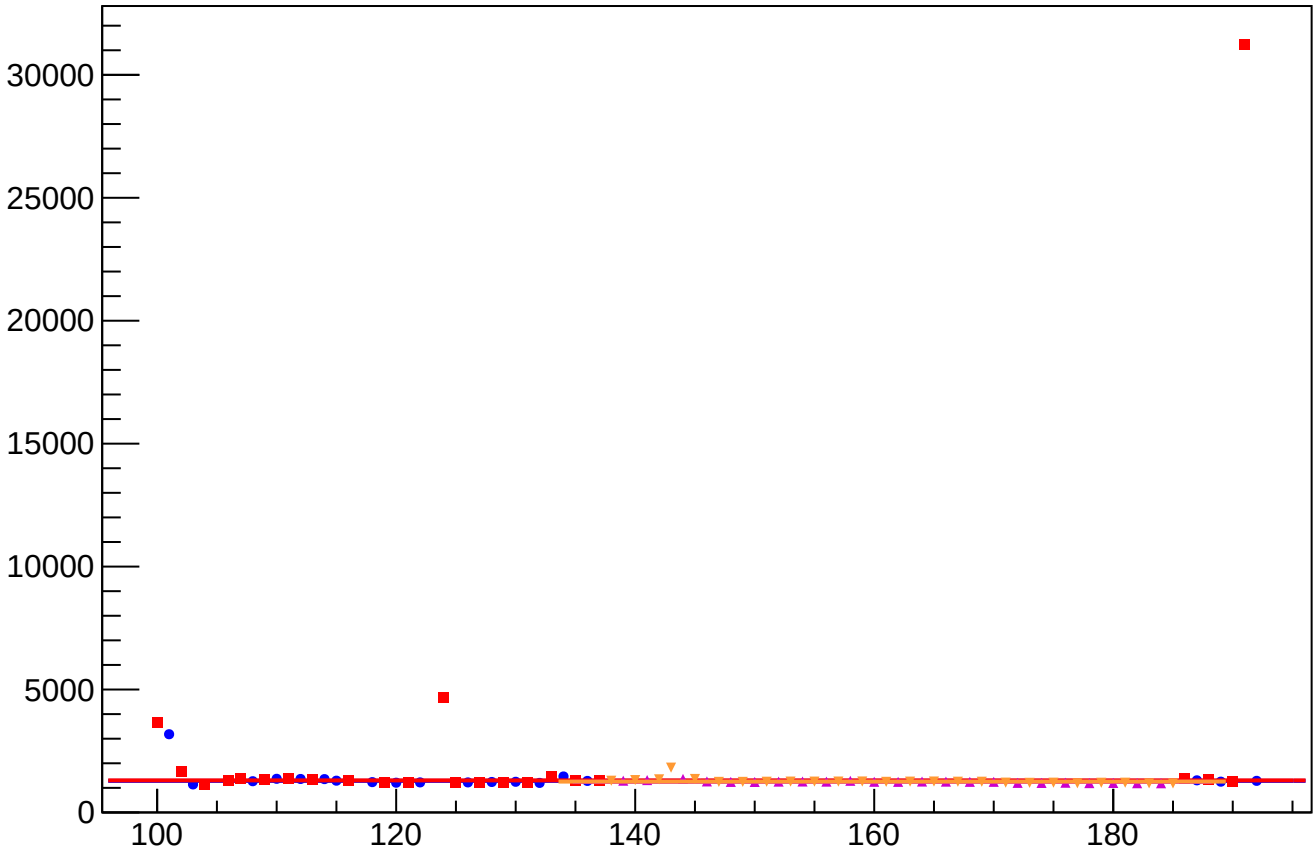
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -496.173+/-309.609 χ^2/NDF: 31.0/41

In: -393.188+/-242.244 χ^2/NDF:46.9/41

Out: -438.066+/-239.614 χ^2/NDF:47.6/47

All: -415.872+/-170.355 χ^2/NDF: 94.5/89



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: 1304.275+/-0.310 χ^2/NDF: 487793.5/22

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

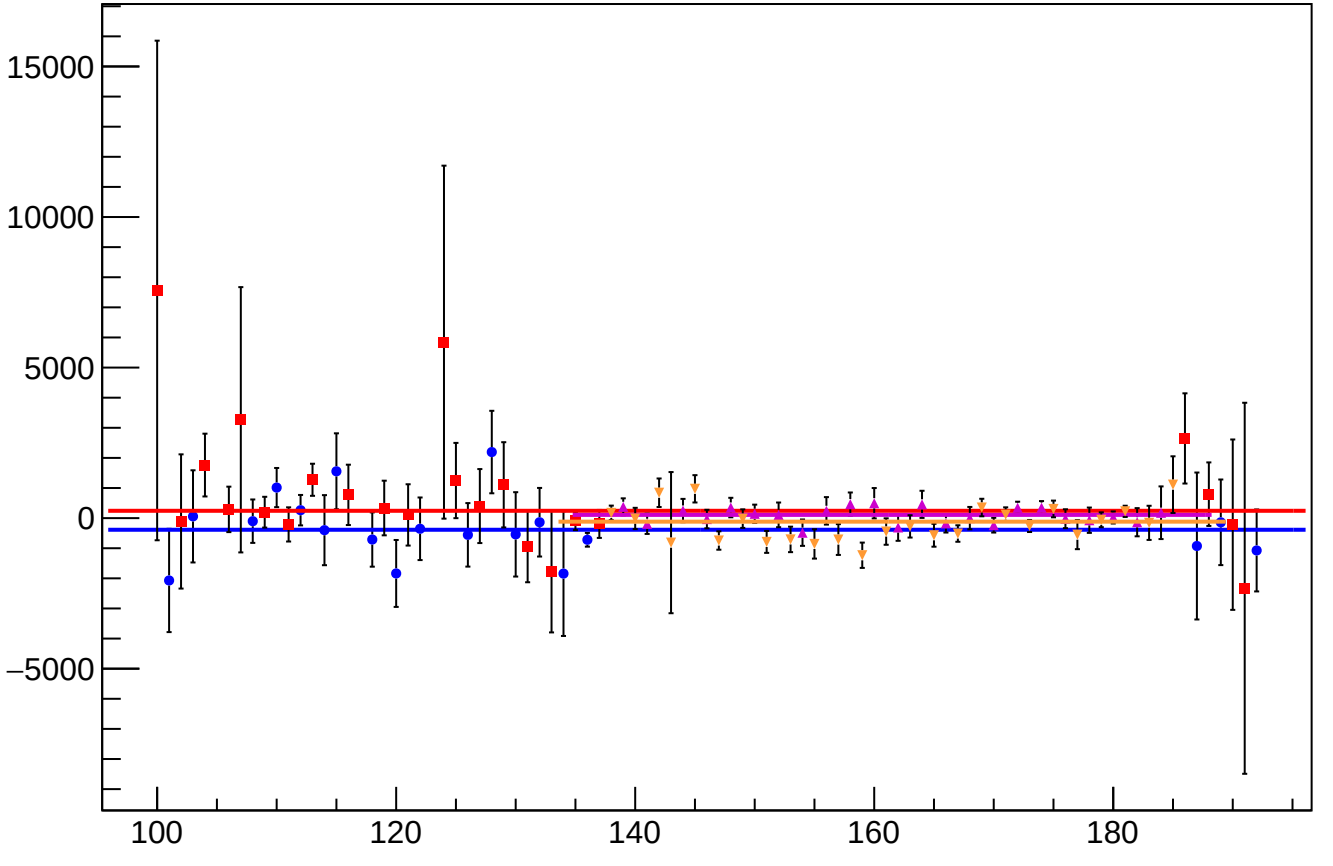
Right: 1294.225+/-0.219 χ^2/NDF: 1008830.0/41

In: 1258.031+/-0.171 χ^2/NDF:569258.6/41

Out: 1270.035+/-0.169 χ^2/NDF:708236.8/47

All: 1264.098+/-0.120 χ^2/NDF: 1279977.8/89

asym_atl1r2_dd_atl2r1_dd_avg_eigen_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: 243.513+/-165.856 χ^2/NDF: 17.2/22

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

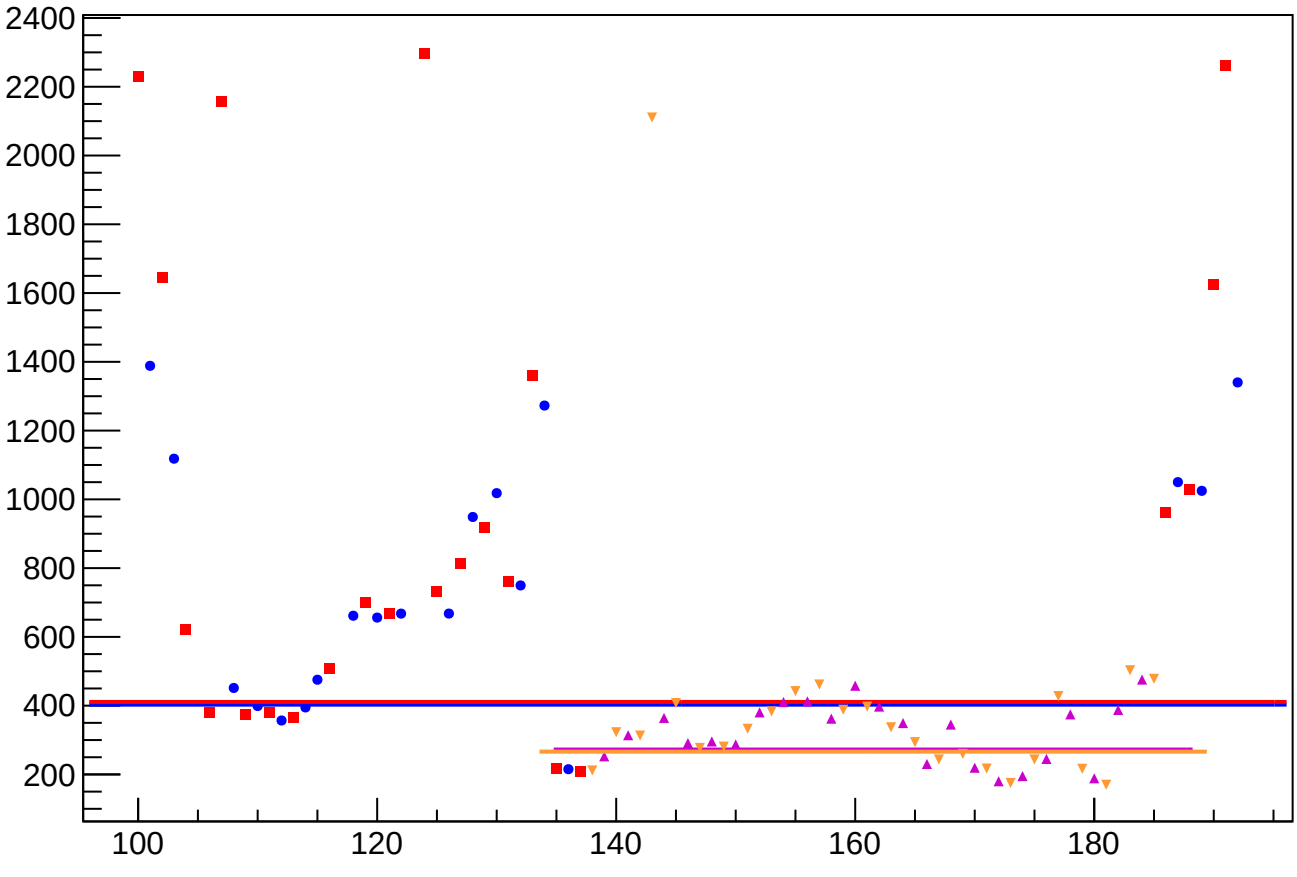
Right: -72.232+/-117.128 χ^2/NDF: 42.7/41

In: 37.869+/-62.102 χ^2/NDF:39.7/41

Out: -68.926+/-60.567 χ^2/NDF:69.7/47

All: -16.865+/-43.360 χ^2/NDF: 110.9/89

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: 410.866+/-0.117 χ^2/NDF: 5623032.0/22

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

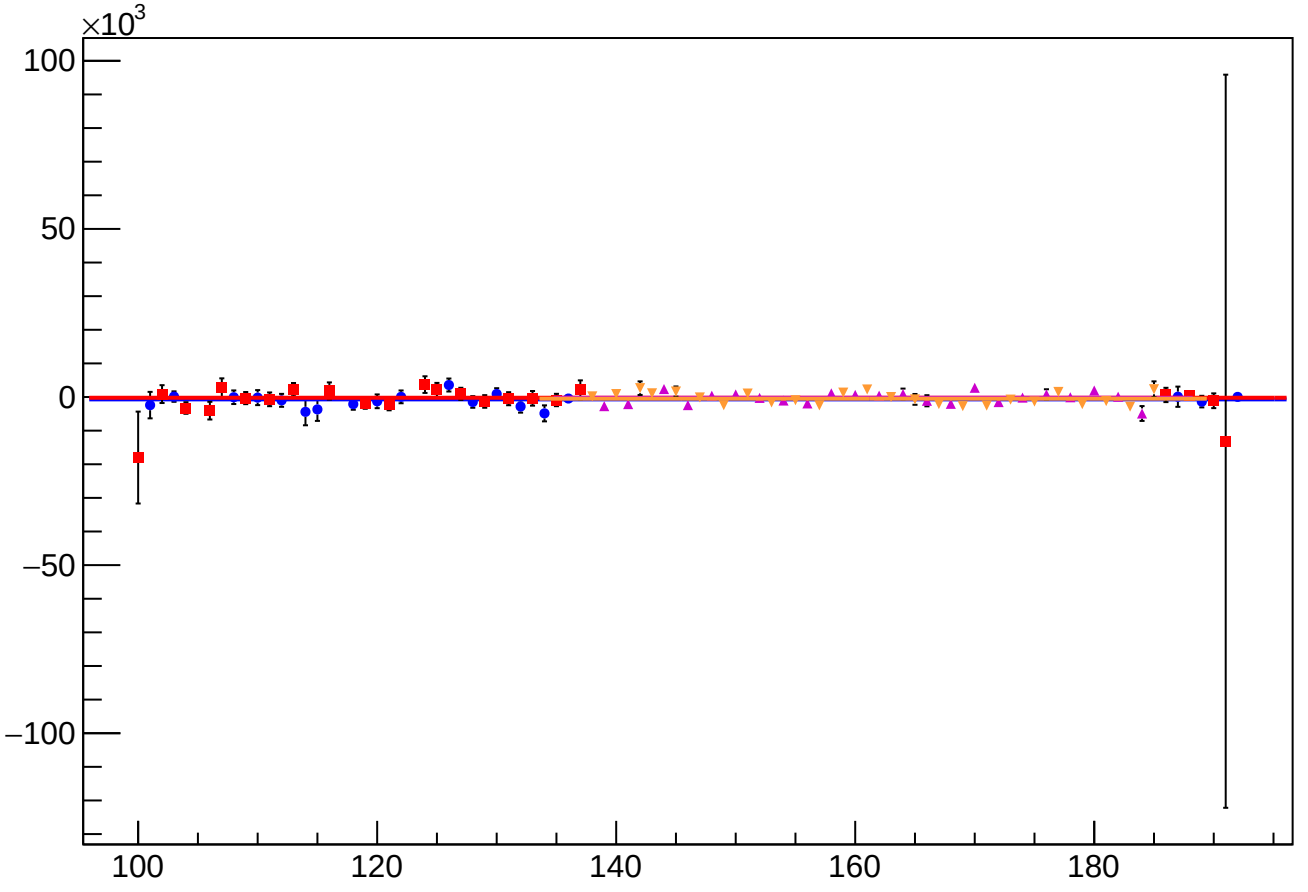
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 406.914+/-0.083 χ^2/NDF: 11338129.6/41

In: 290.783+/-0.044 χ^2/NDF:9671312.4/41

Out: 285.601+/-0.043 χ^2/NDF:11569571.6/47

All: 288.127+/-0.031 χ^2/NDF: 21248019.1/89



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: -217.861+/-436.444 χ^2/NDF: 18.6/22

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

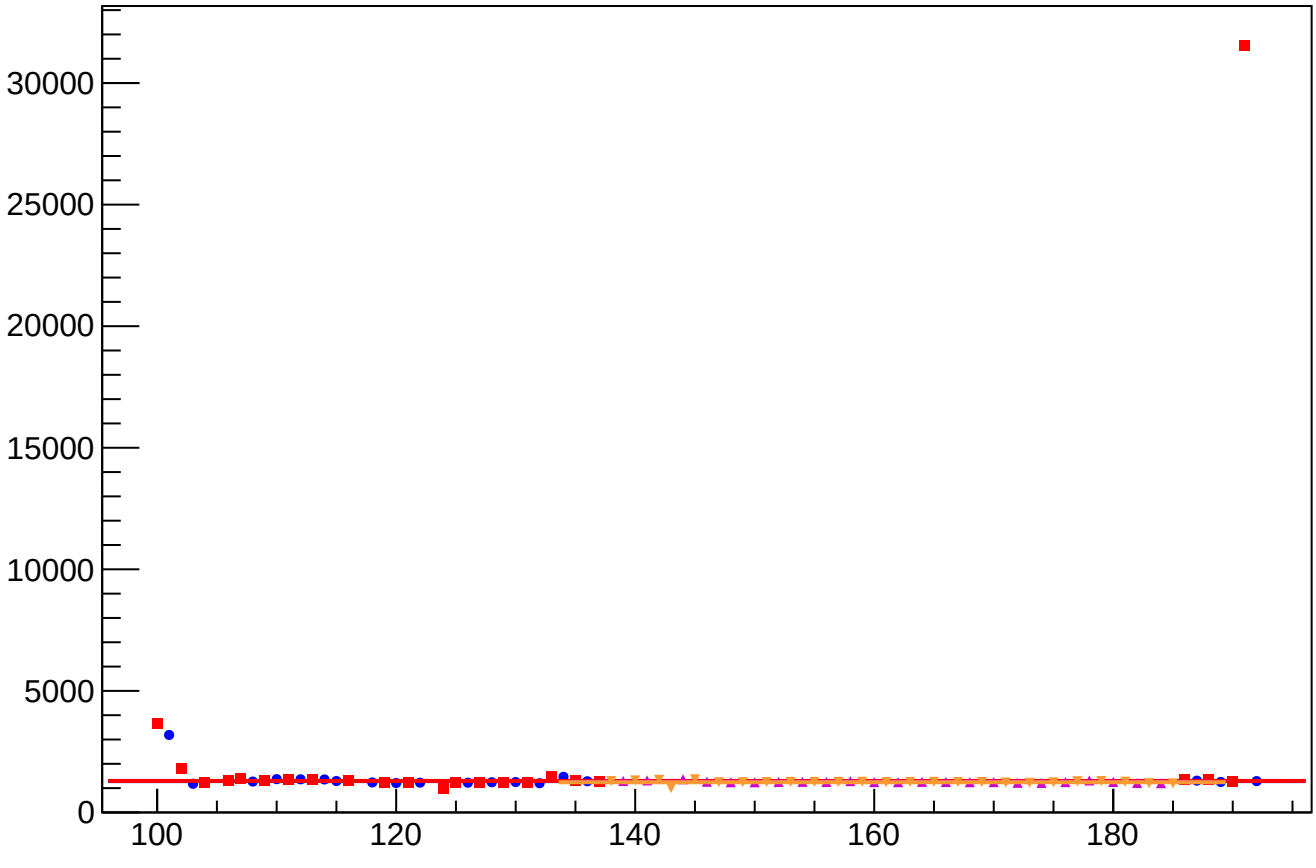
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -458.193+/-309.294 χ^2/NDF: 33.4/41

In: -384.523+/-244.367 χ^2/NDF:45.6/41

Out: -411.974+/-237.293 χ^2/NDF:53.1/47

All: -398.652+/-170.238 χ^2/NDF: 98.7/89



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: 1296.757+/-0.309 χ^2/NDF: 371558.9/22

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

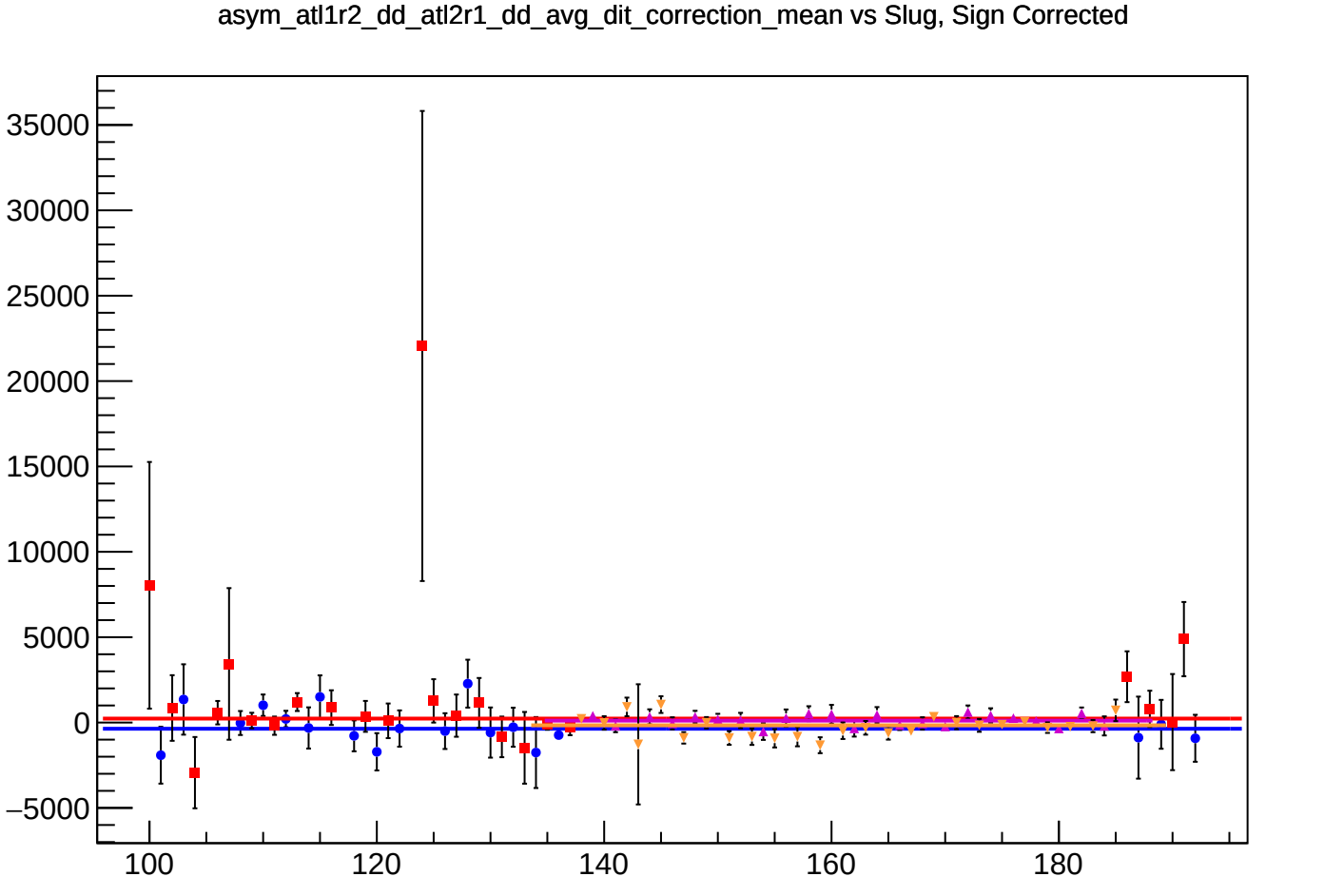
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1293.216+/-0.219 χ^2/NDF: 882184.6/41

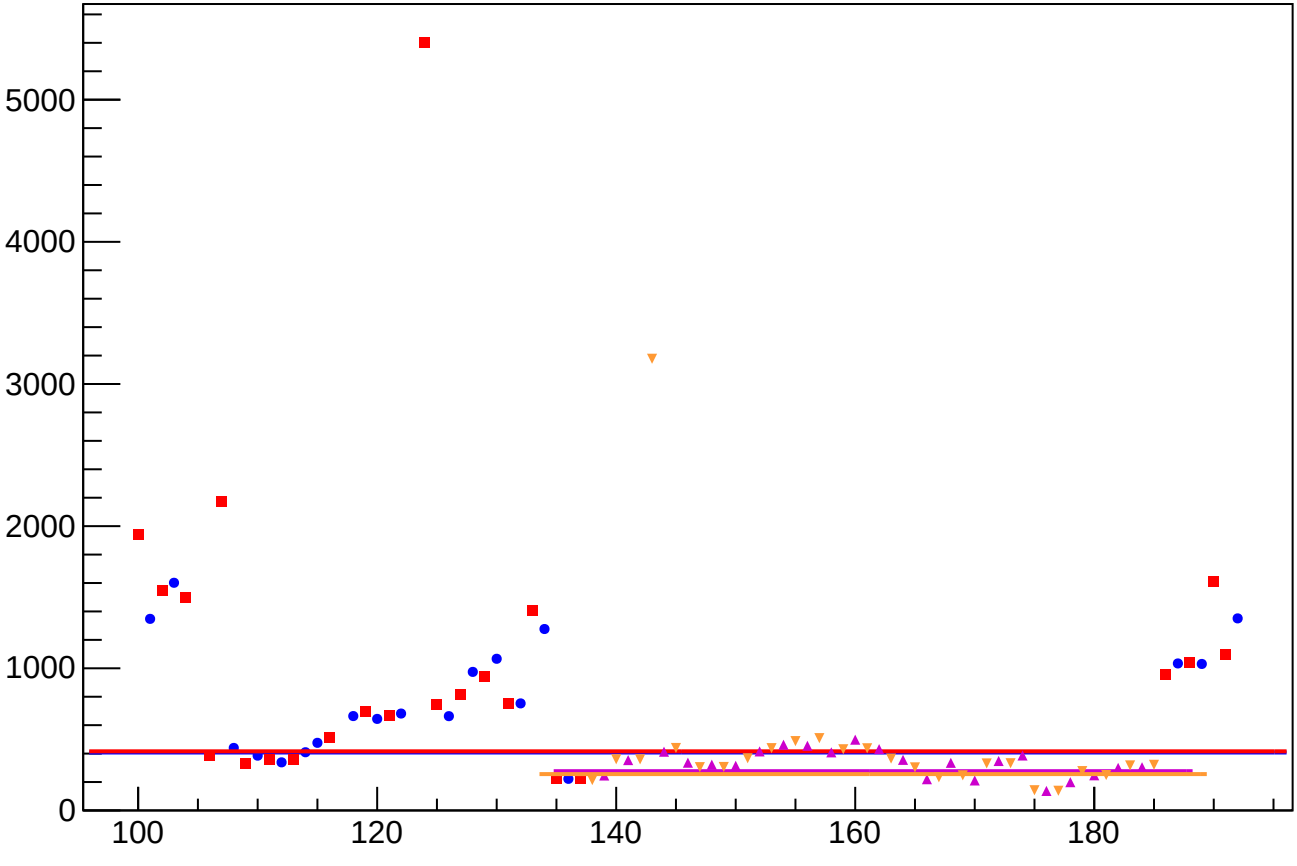
In: 1269.276+/-0.173 χ^2/NDF:544556.7/41

Out: 1258.567+/-0.168 χ^2/NDF:523322.9/47

All: 1263.764+/-0.120 χ^2/NDF: 1069856.5/89


asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
Right In: -362.710+/-167.122 χ²/NDF: 18.7/18
Left Out: -160.930+/-64.133 χ²/NDF:43.8/24
Right Out: 231.797+/-165.727 χ²/NDF: 23.6/22
Left In: 113.722+/-68.841 χ²/NDF:18.2/22
Left: -33.316+/-46.925 χ²/NDF: 70.5/47
Right: -62.964+/-117.677 χ²/NDF: 48.7/41
In: 44.609+/-63.652 χ²/NDF:43.8/41
Out: -109.778+/-59.810 χ²/NDF:72.3/47
All: -37.383+/-43.587 χ²/NDF: 119.2/89

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: 416.002+/-0.117 χ^2/NDF: 6135867.1/22

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

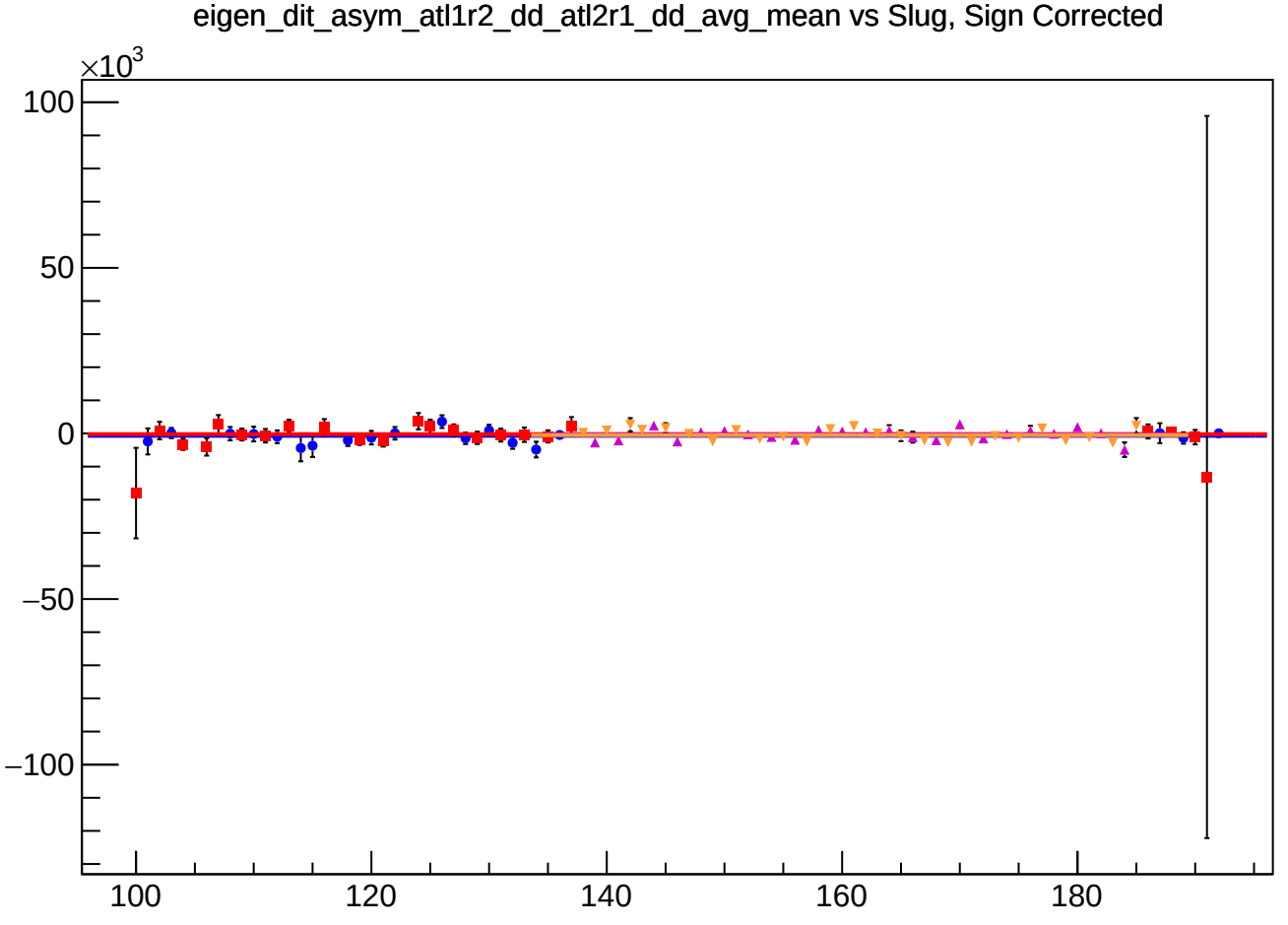
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 411.875+/-0.083 χ^2/NDF: 11960228.7/41

In: 295.357+/-0.045 χ^2/NDF:10905976.0/41

Out: 276.638+/-0.042 χ^2/NDF:14135908.5/47

All: 285.416+/-0.031 χ^2/NDF: 25133740.7/89



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: -217.861+/-436.444 χ^2/NDF: 18.6/22

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

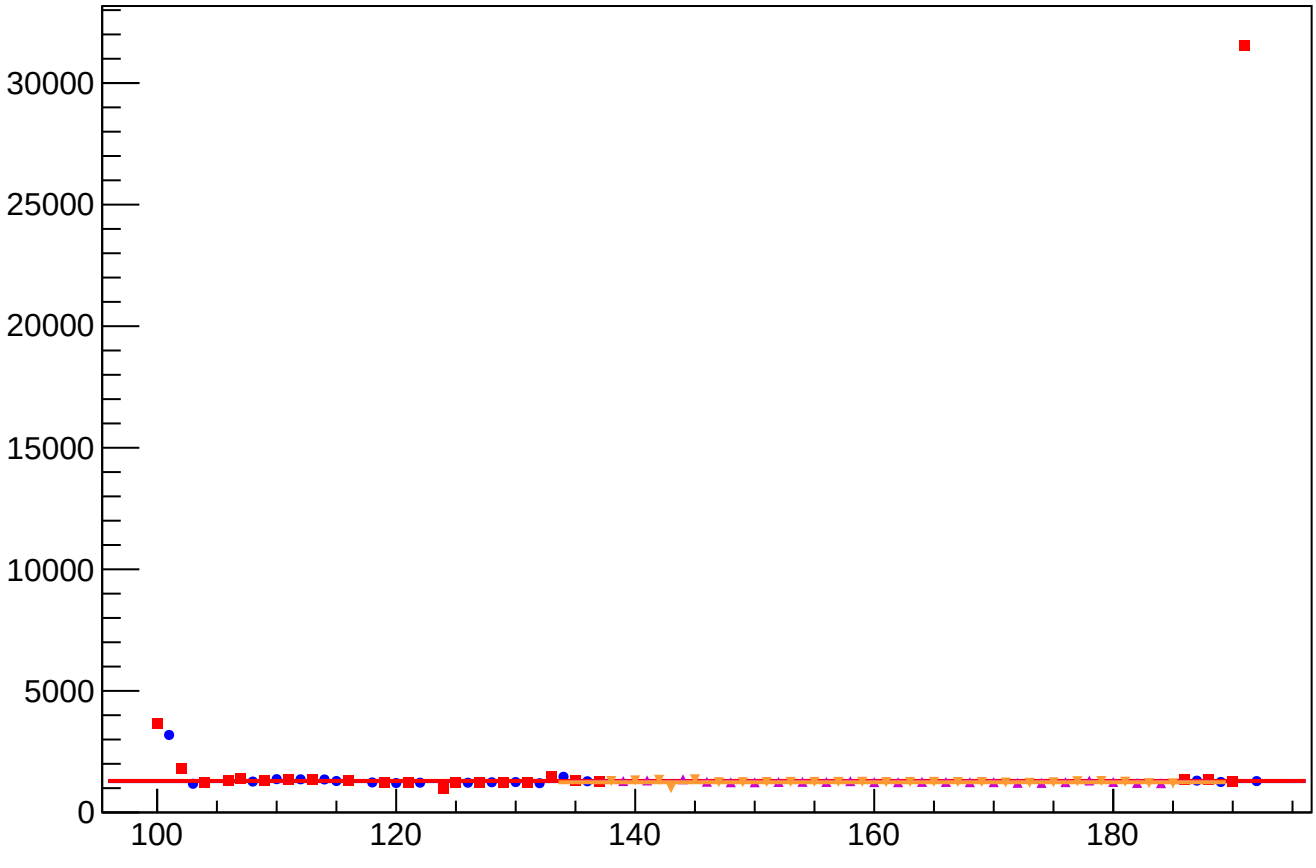
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -458.194+/-309.294 χ^2/NDF: 33.4/41

In: -384.524+/-244.367 χ^2/NDF:45.6/41

Out: -411.974+/-237.293 χ^2/NDF:53.1/47

All: -398.652+/-170.238 χ^2/NDF: 98.7/89



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: 1296.757+/-0.309 χ^2/NDF: 371559.2/22

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

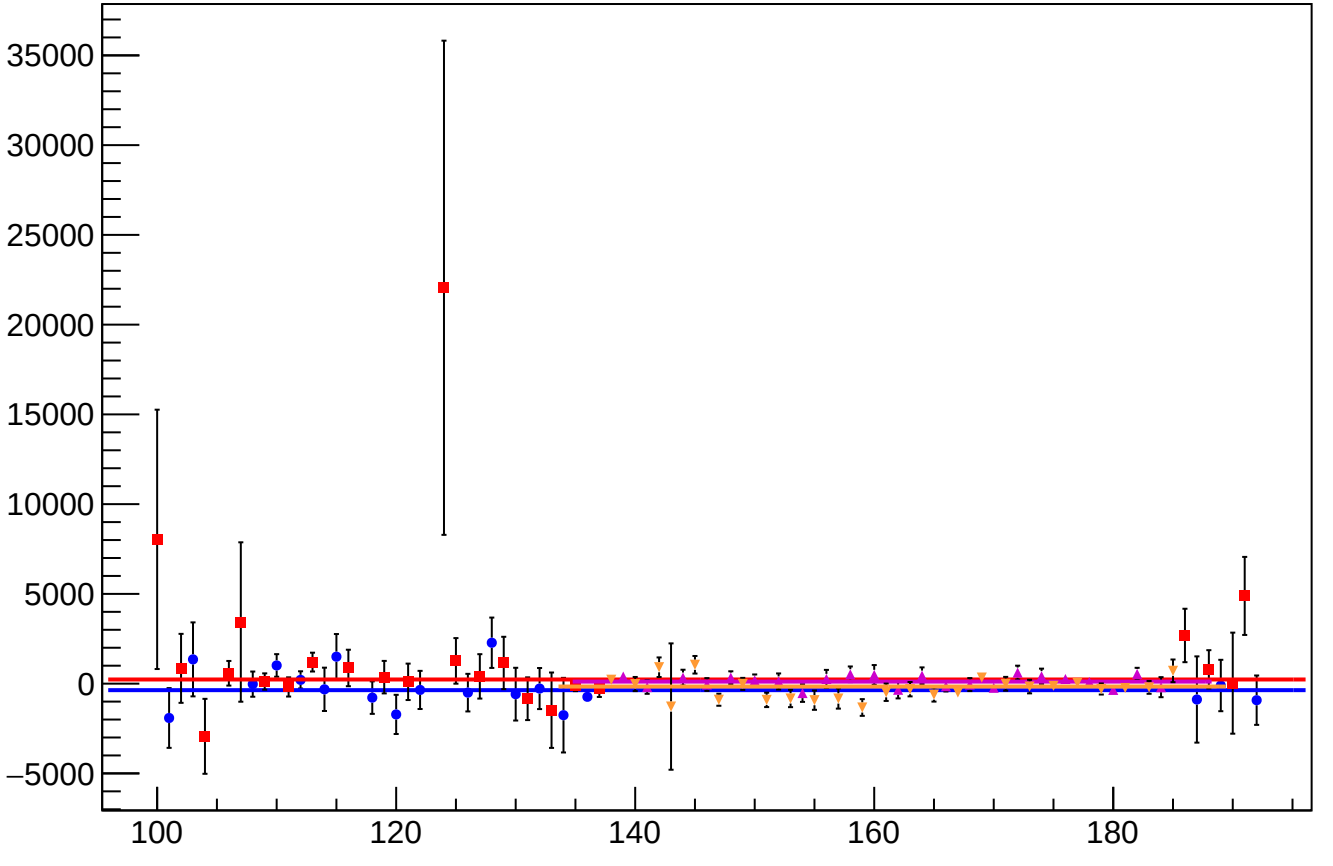
Right: 1293.216+/-0.219 χ^2/NDF: 882184.8/41

In: 1269.276+/-0.173 χ^2/NDF:544556.8/41

Out: 1258.567+/-0.168 χ^2/NDF:523322.2/47

All: 1263.764+/-0.120 χ^2/NDF: 1069856.0/89

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: 231.805+/-165.729 χ^2/NDF: 23.6/22

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

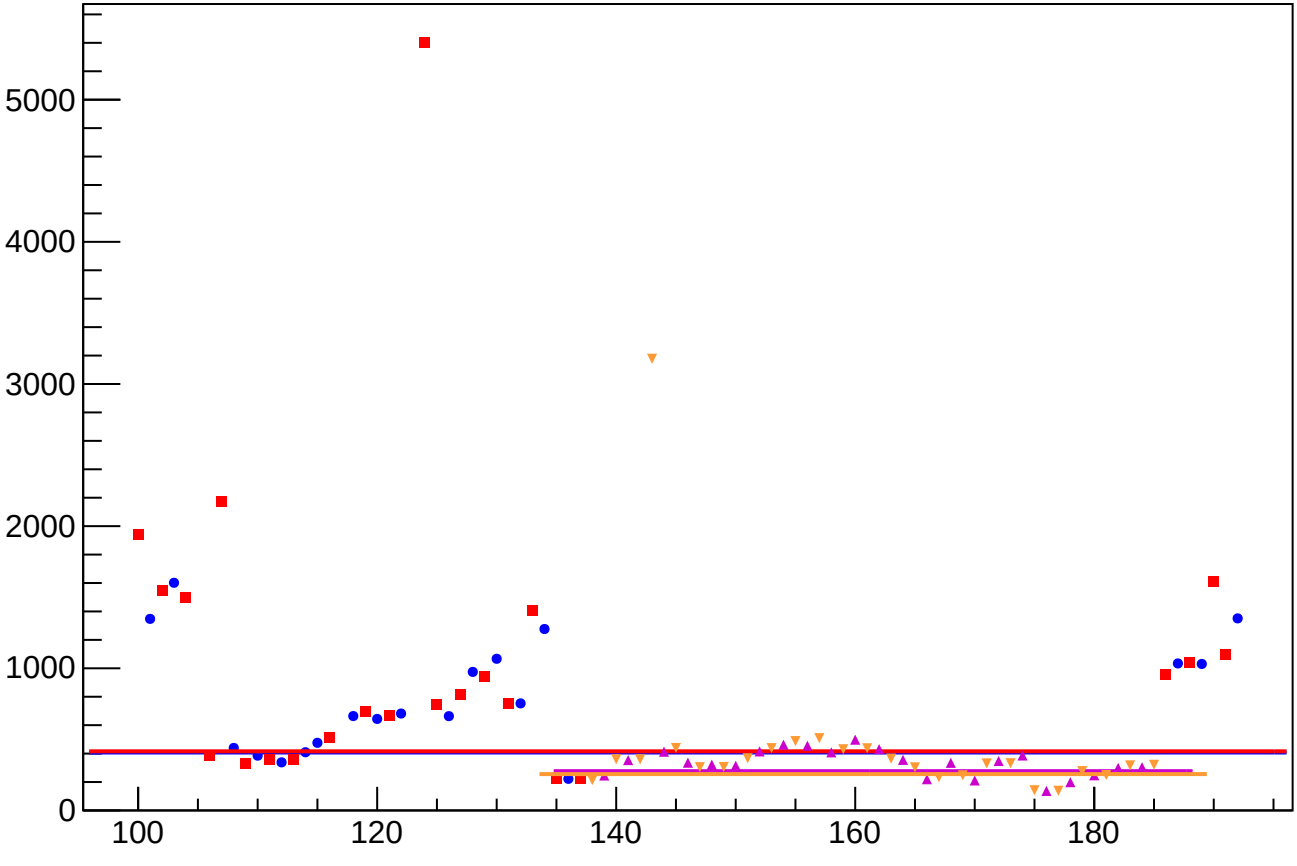
Right: -62.959+/-117.678 χ^2/NDF: 48.7/41

In: 44.610+/-63.652 χ^2/NDF:43.8/41

Out: -109.781+/-59.811 χ^2/NDF:72.3/47

All: -37.385+/-43.587 χ^2/NDF: 119.2/89

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: 416.011+/-0.117 χ^2/NDF: 6135691.9/22

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

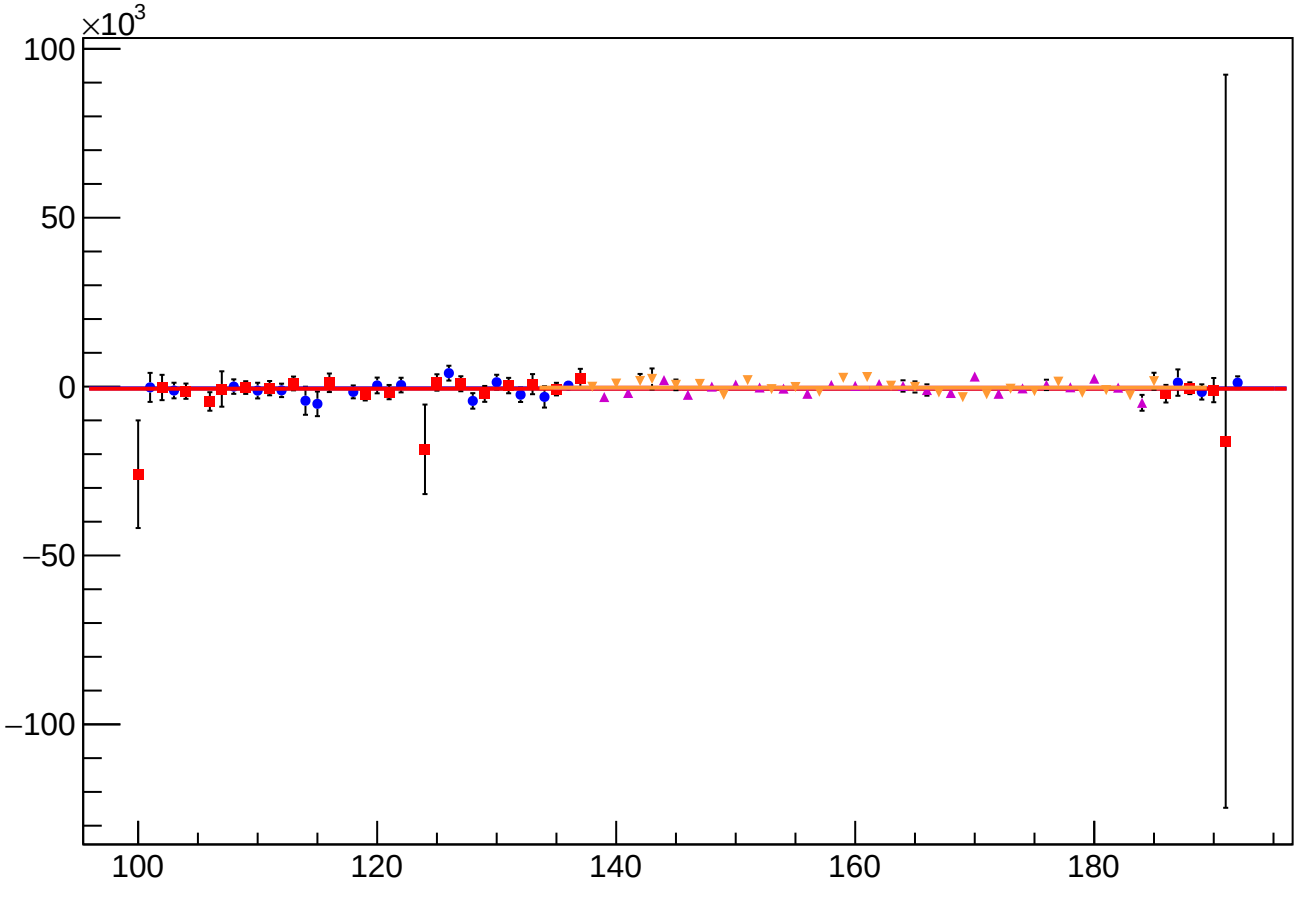
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 411.885+/-0.083 χ^2/NDF: 11959827.2/41

In: 295.358+/-0.045 χ^2/NDF:10905844.1/41

Out: 276.640+/-0.042 χ^2/NDF:14135737.6/47

All: 285.417+/-0.031 χ^2/NDF: 25133433.1/89



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: -631.249+/-522.213 χ^2/NDF: 11.7/22

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

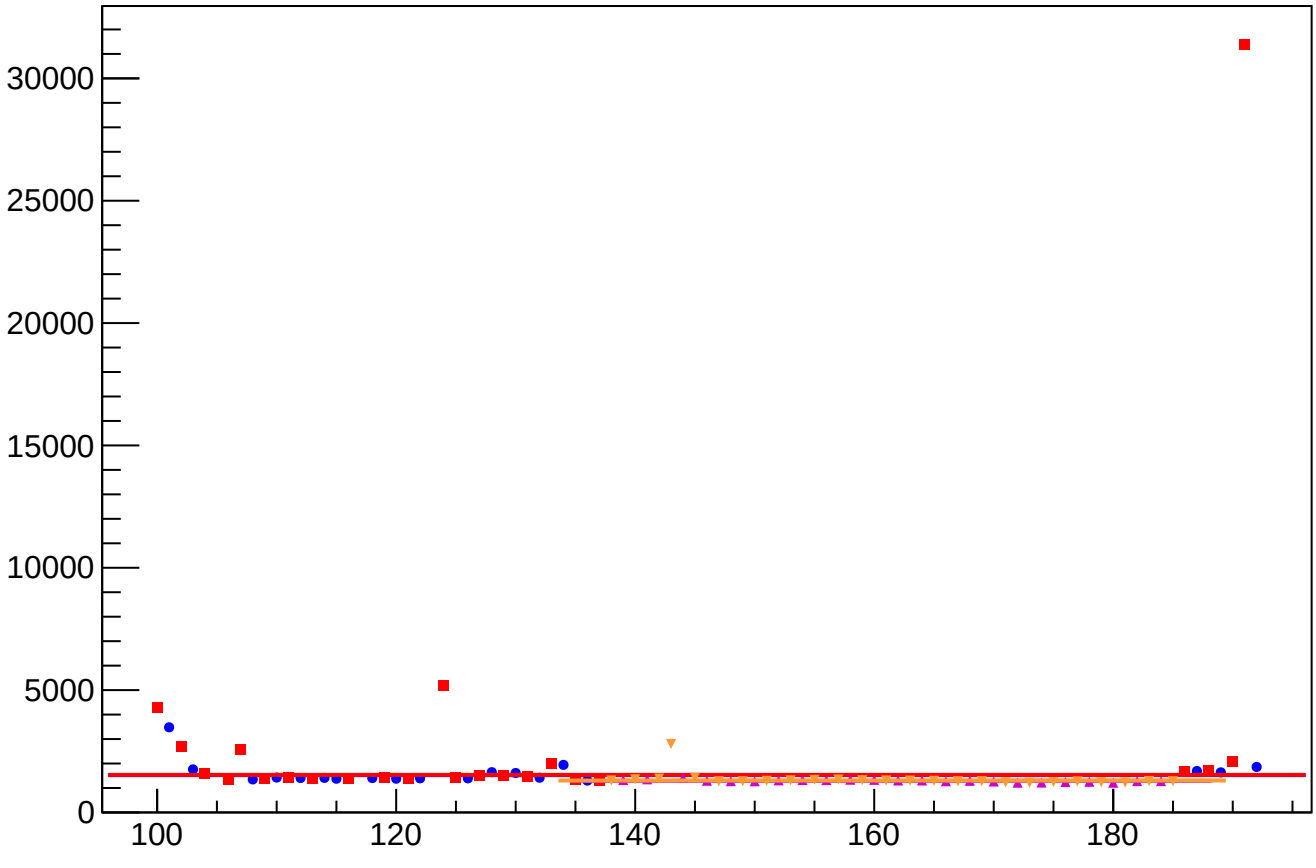
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -576.305+/-368.872 χ^2/NDF: 25.4/41

In: -397.901+/-261.230 χ^2/NDF:43.5/41

Out: -396.369+/-259.001 χ^2/NDF:43.5/47

All: -397.129+/-183.924 χ^2/NDF: 87.0/89



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: 1535.621+/-0.369 χ^2/NDF: 854439.4/22

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

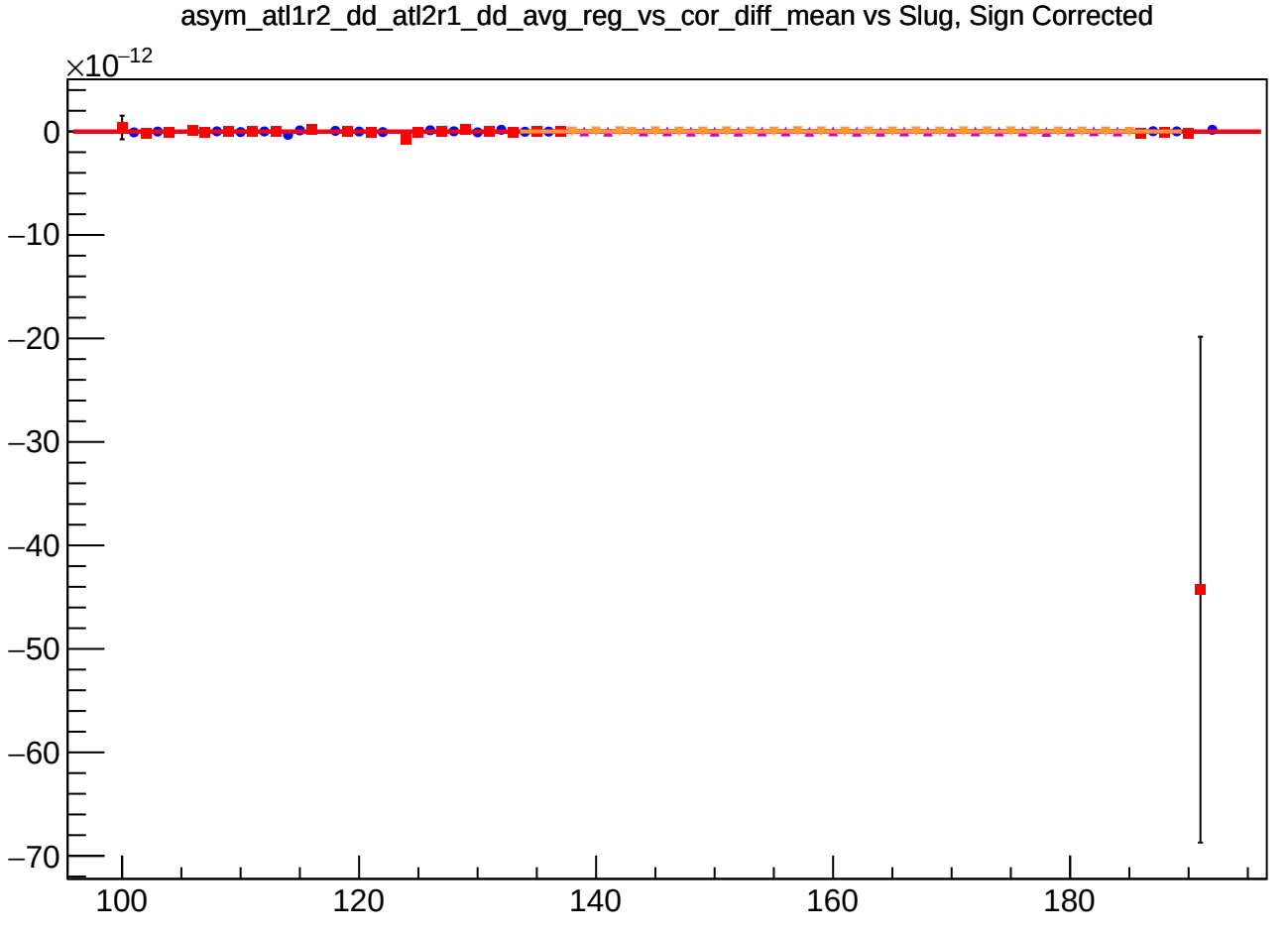
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1530.692+/-0.261 χ^2/NDF: 1520717.3/41

In: 1350.840+/-0.185 χ^2/NDF:1015320.4/41

Out: 1361.093+/-0.183 χ^2/NDF:1670318.8/47

All: 1356.010+/-0.130 χ^2/NDF: 2687192.9/89



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: 29.8/22

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

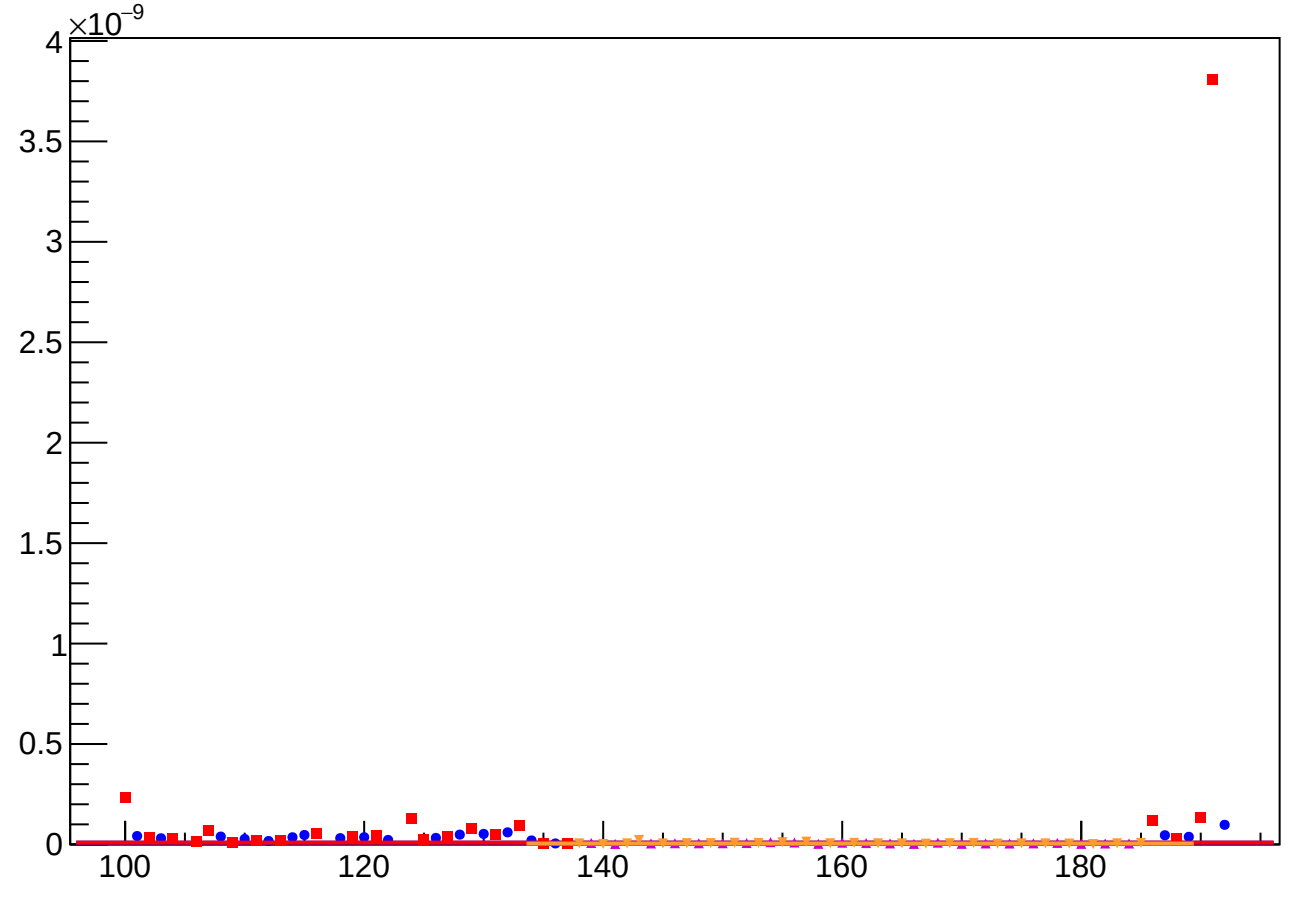
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 40.4/41

In: -0.000+/-0.000 χ^2/NDF:42.2/41

Out: -0.000+/-0.000 χ^2/NDF:56.6/47

All: -0.000+/-0.000 χ^2/NDF: 99.2/89



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: 4368254.1/22

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

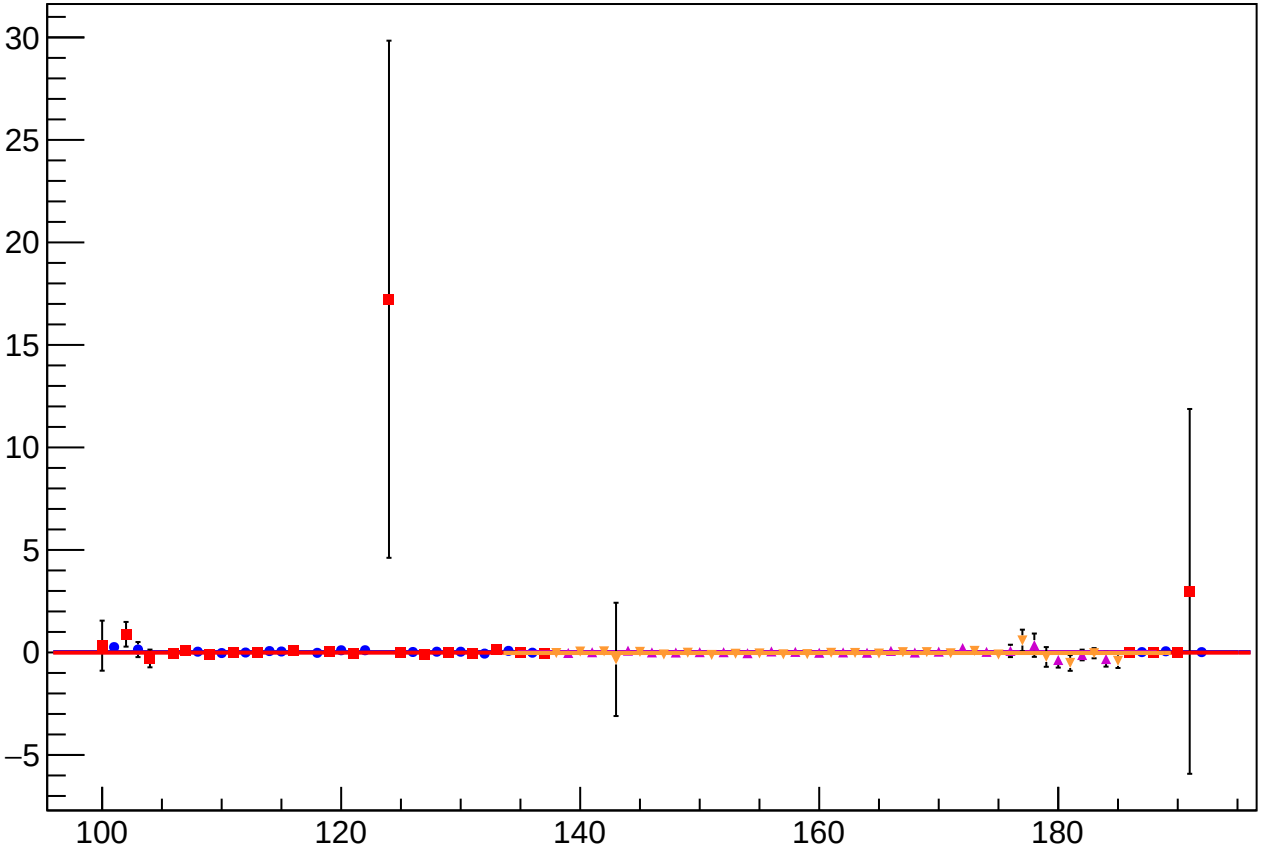
Right: 0.000+/-0.000 χ^2/NDF: 8252880.0/41

In: 0.000+/-0.000 χ^2/NDF:6314025.3/41

Out: 0.000+/-0.000 χ^2/NDF:7714050.7/47

All: 0.000+/-0.000 χ^2/NDF: 14055760.6/89

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: -0.009+/-0.014 χ^2/NDF: 16.6/22

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

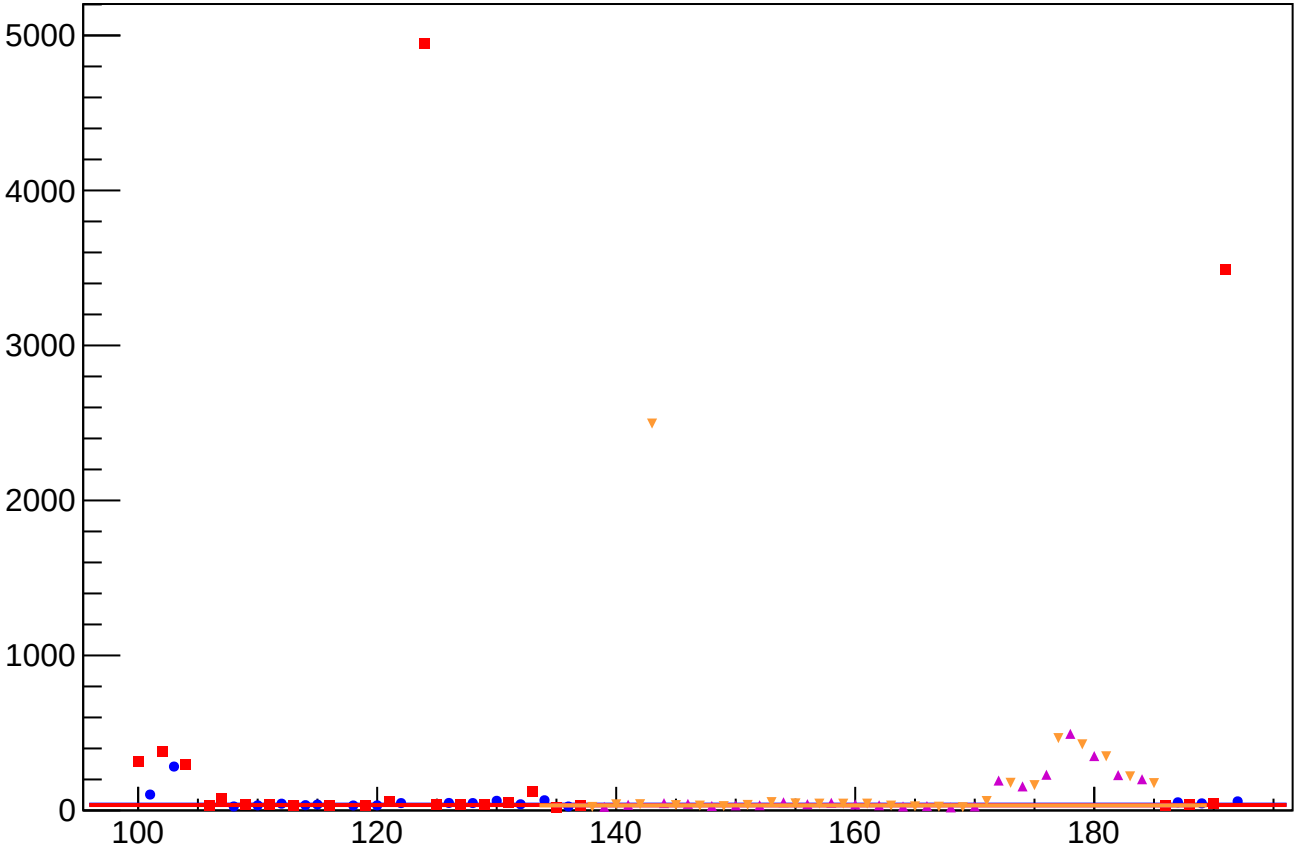
Right: 0.004+/-0.010 χ^2/NDF: 30.3/41

In: 0.013+/-0.008 χ^2/NDF:25.2/41

Out: -0.022+/-0.008 χ^2/NDF:45.9/47

All: -0.005+/-0.006 χ^2/NDF: 80.9/89

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: 34.926+/-0.010 χ^2/NDF: 3281767.8/22

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

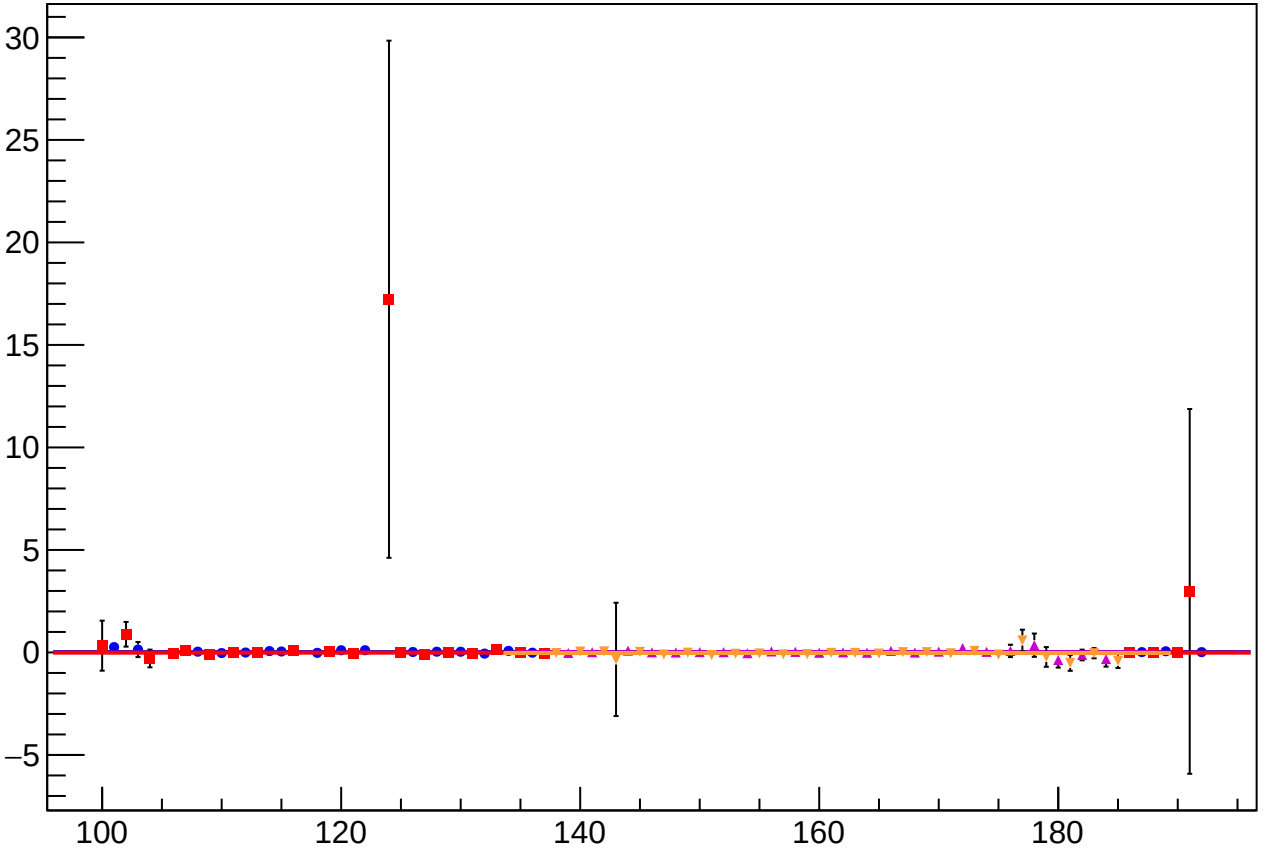
Right: 36.142+/-0.007 χ^2/NDF: 5858759.2/41

In: 34.149+/-0.006 χ^2/NDF:11656411.1/41

Out: 33.310+/-0.006 χ^2/NDF:14193344.9/47

All: 33.723+/-0.004 χ^2/NDF: 25860999.8/89

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: -0.009+/-0.014 χ^2/NDF: 16.6/22

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

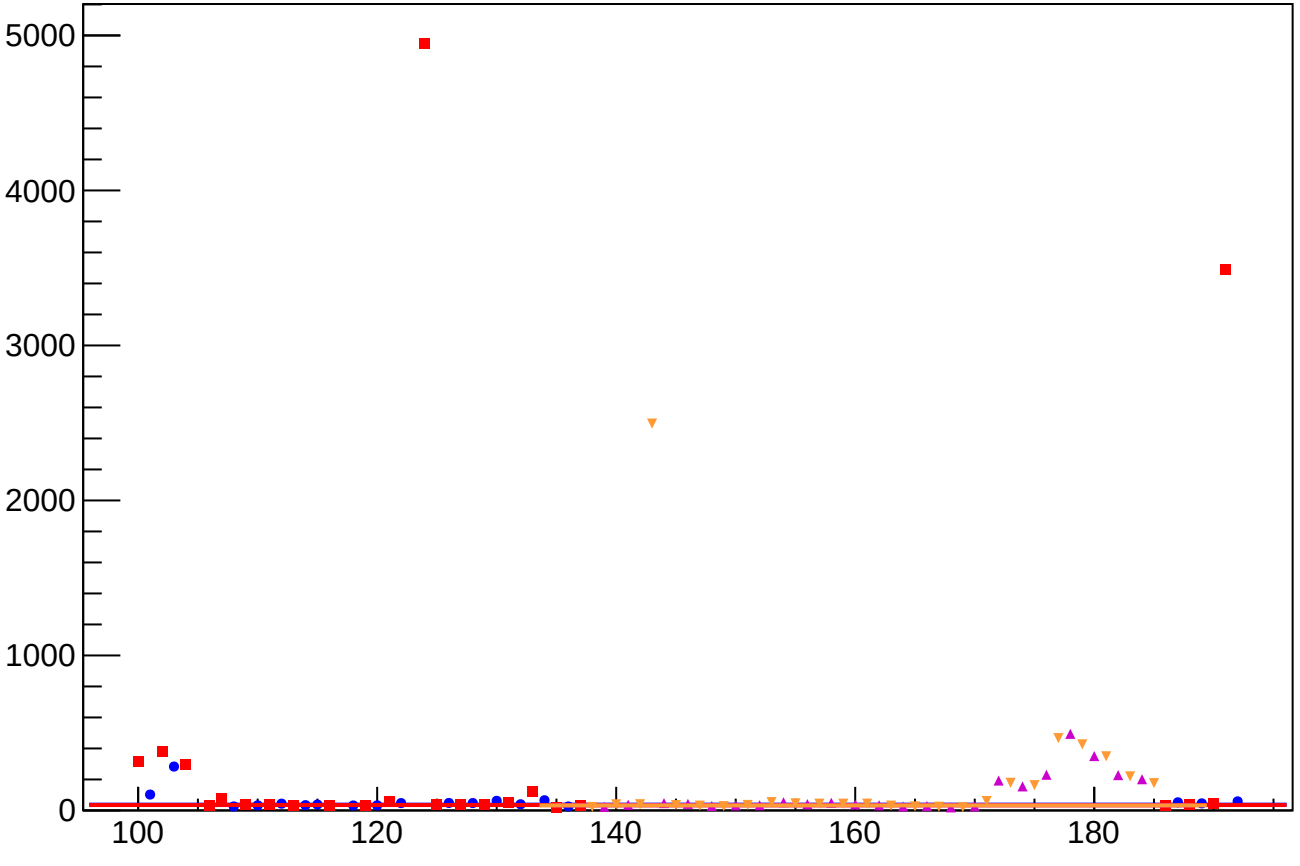
Right: 0.004+/-0.010 χ^2/NDF: 30.3/41

In: 0.013+/-0.008 χ^2/NDF:25.2/41

Out: -0.022+/-0.008 χ^2/NDF:45.9/47

All: -0.005+/-0.006 χ^2/NDF: 80.9/89

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: 34.926+/-0.010 χ^2/NDF: 3281767.8/22

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

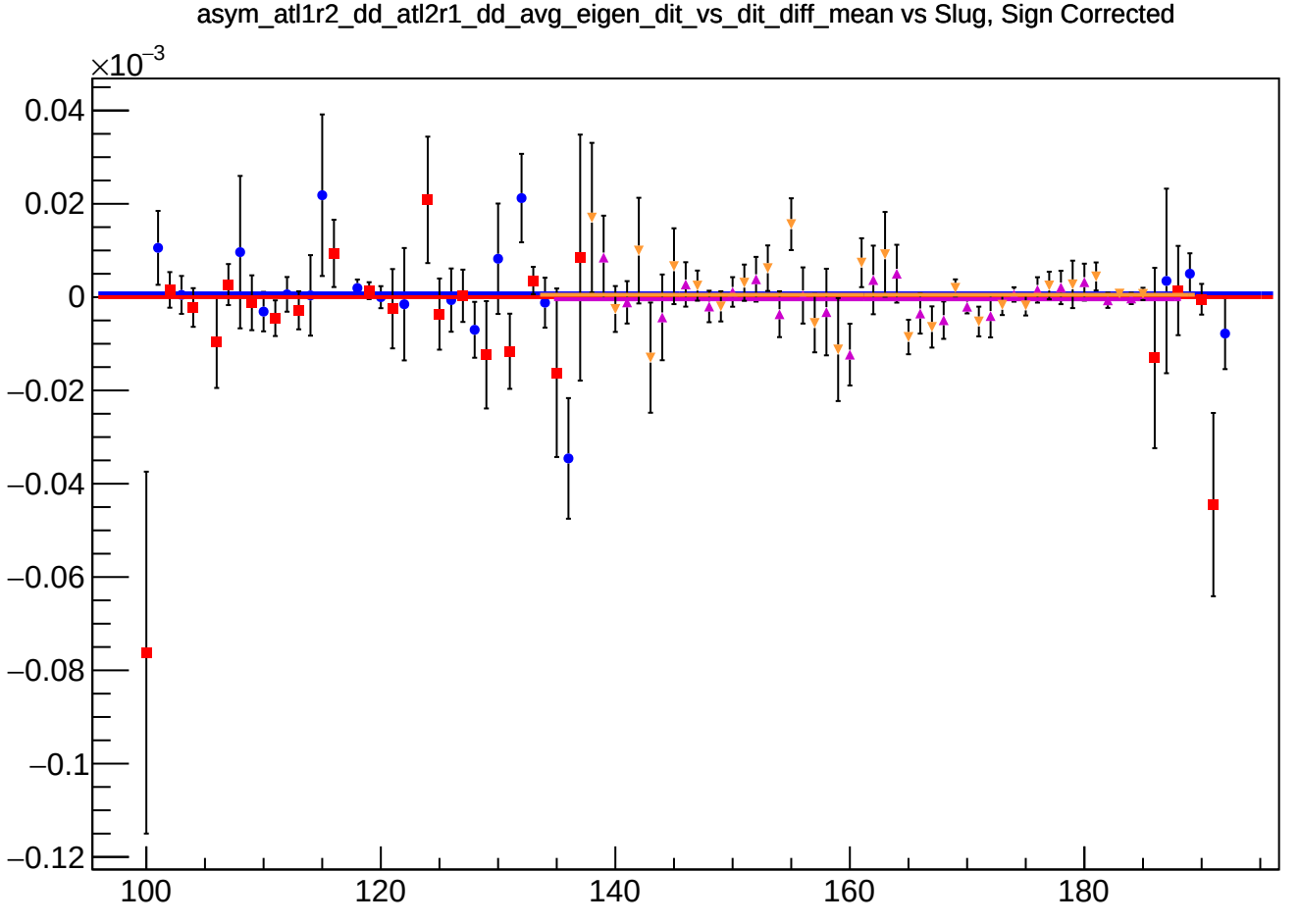
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 36.142+/-0.007 χ^2/NDF: 5858759.2/41

In: 34.149+/-0.006 χ^2/NDF:11656411.1/41

Out: 33.310+/-0.006 χ^2/NDF:14193344.9/47

All: 33.723+/-0.004 χ^2/NDF: 25860999.8/89



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: 23.7/22

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

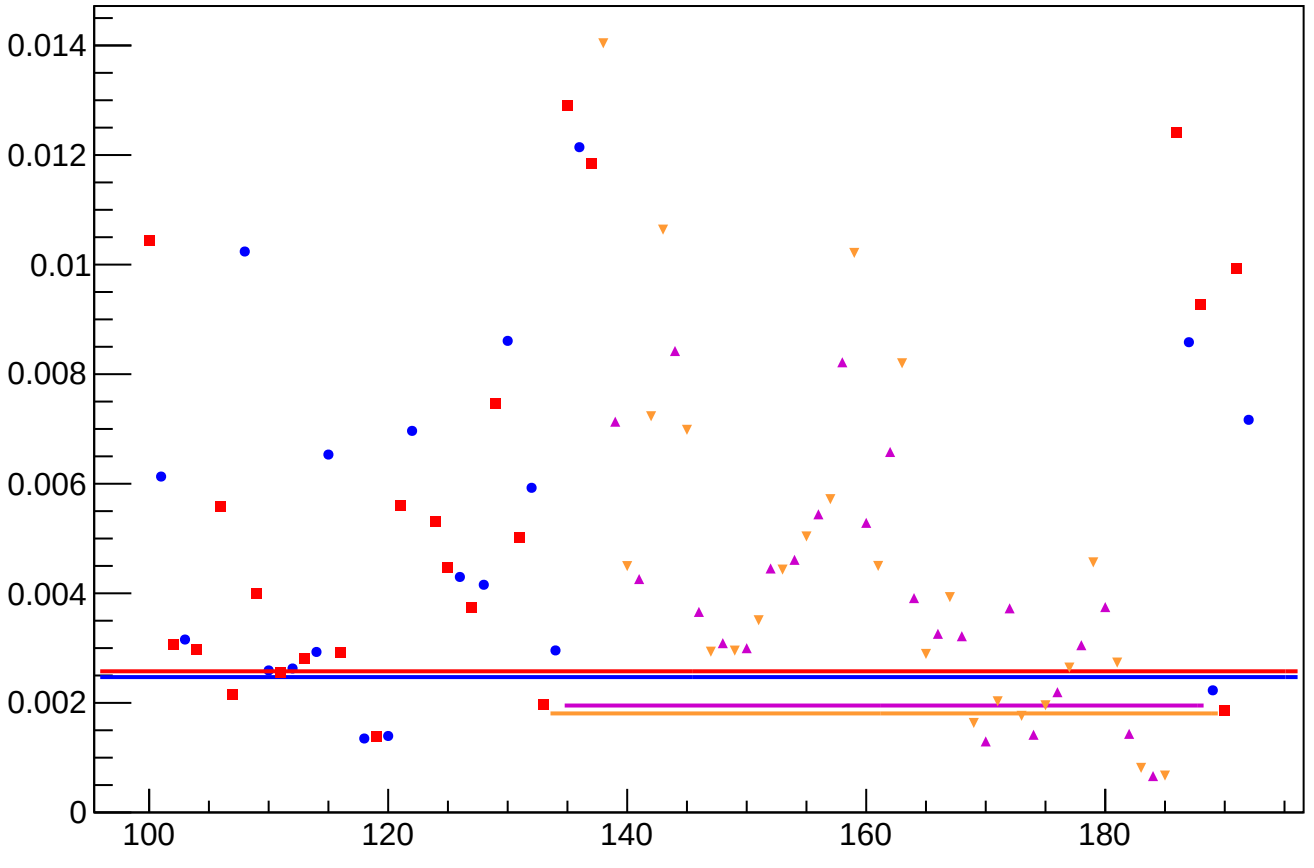
Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

Right: 0.000+/-0.000 χ^2/NDF: 45.4/41

In: -0.000+/-0.000 χ^2/NDF:36.1/41

Out: 0.000+/-0.000 χ^2/NDF:59.7/47

All: 0.000+/-0.000 χ^2/NDF: 96.4/89



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: 5274953.9/22

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

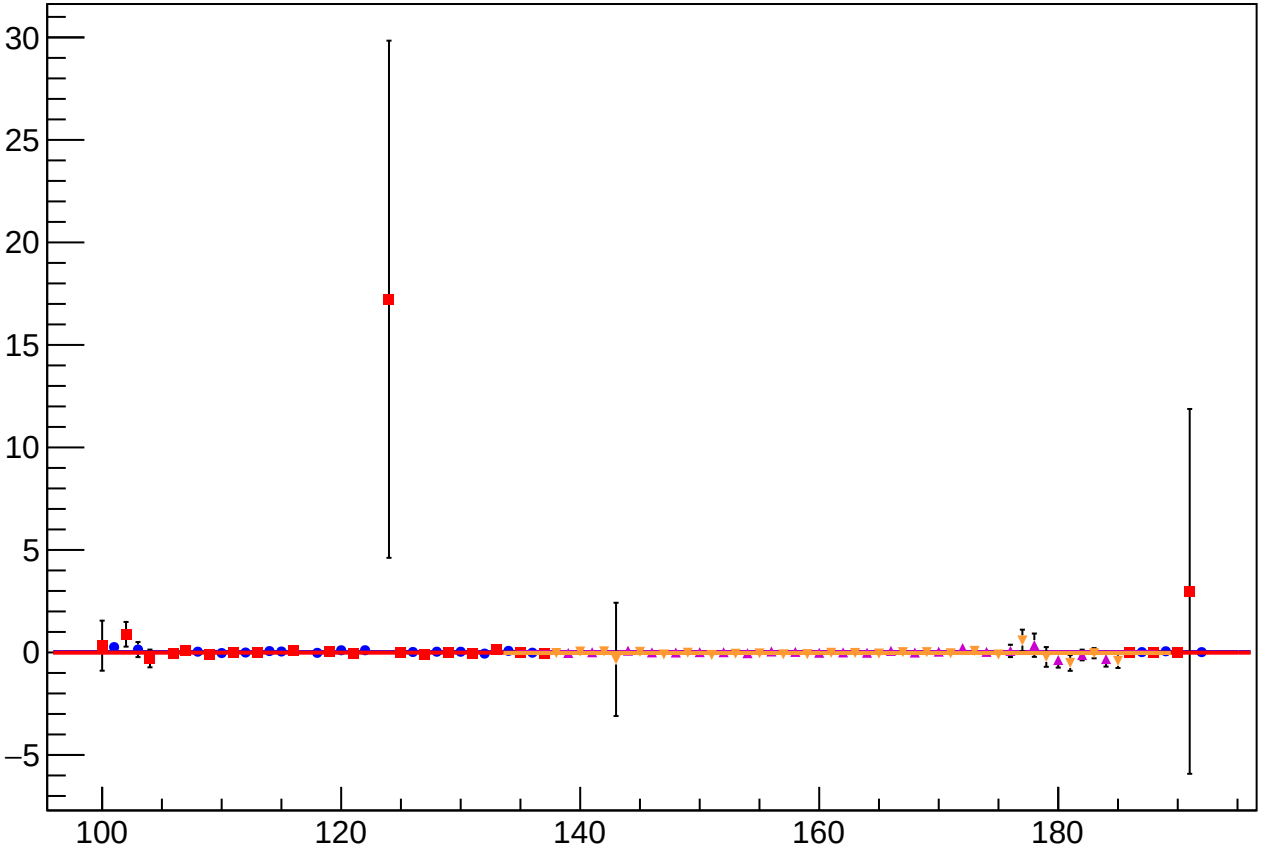
Right: 0.003+/-0.000 χ^2/NDF: 10979645.4/41

In: 0.002+/-0.000 χ^2/NDF:17539062.1/41

Out: 0.002+/-0.000 χ^2/NDF:21120734.3/47

All: 0.002+/-0.000 χ^2/NDF: 38692907.4/89

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: -0.009+/-0.014 χ^2/NDF: 16.6/22

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

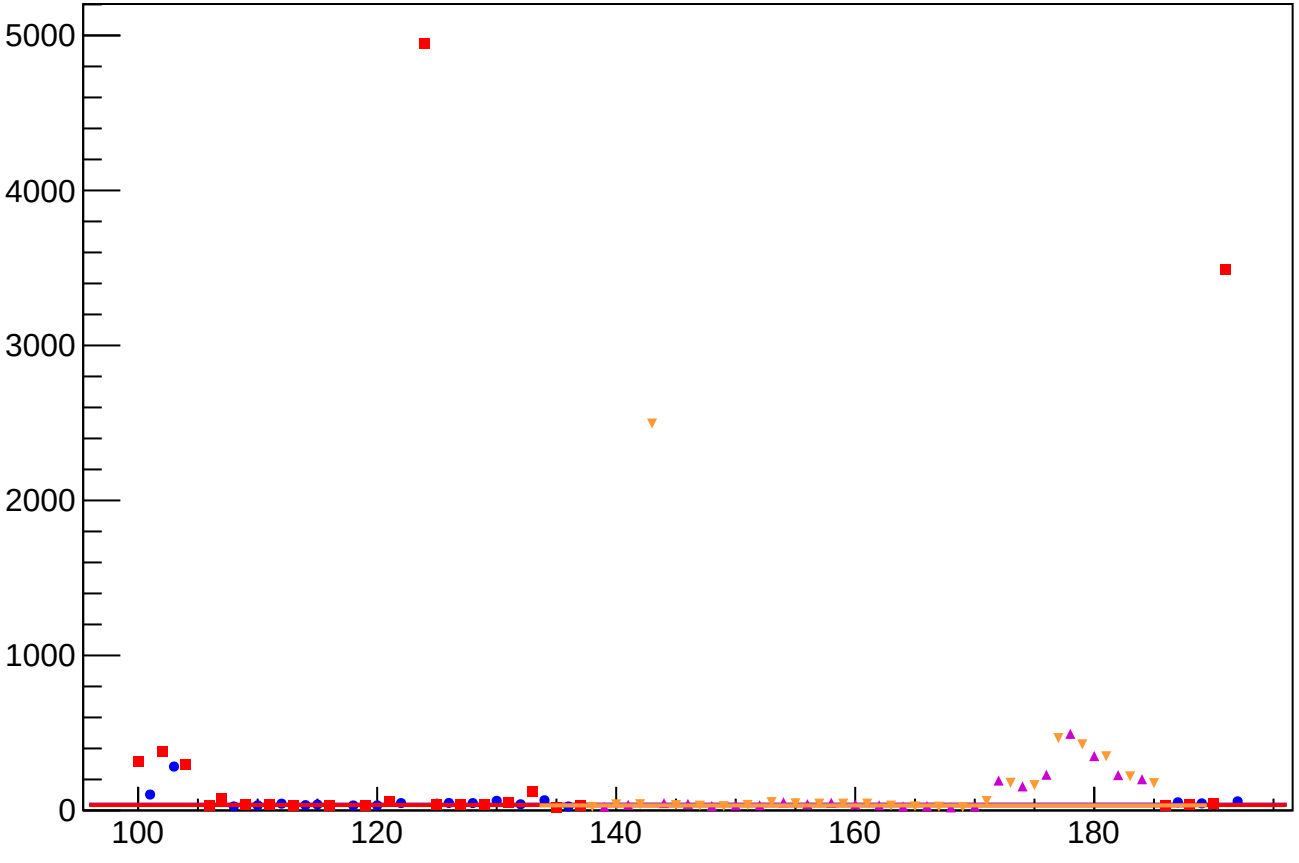
Right: 0.004+/-0.010 χ^2/NDF: 30.3/41

In: 0.013+/-0.008 χ^2/NDF:25.2/41

Out: -0.022+/-0.008 χ^2/NDF:45.9/47

All: -0.005+/-0.006 χ^2/NDF: 80.9/89

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: 34.927+/-0.010 χ^2/NDF: 3281579.6/22

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

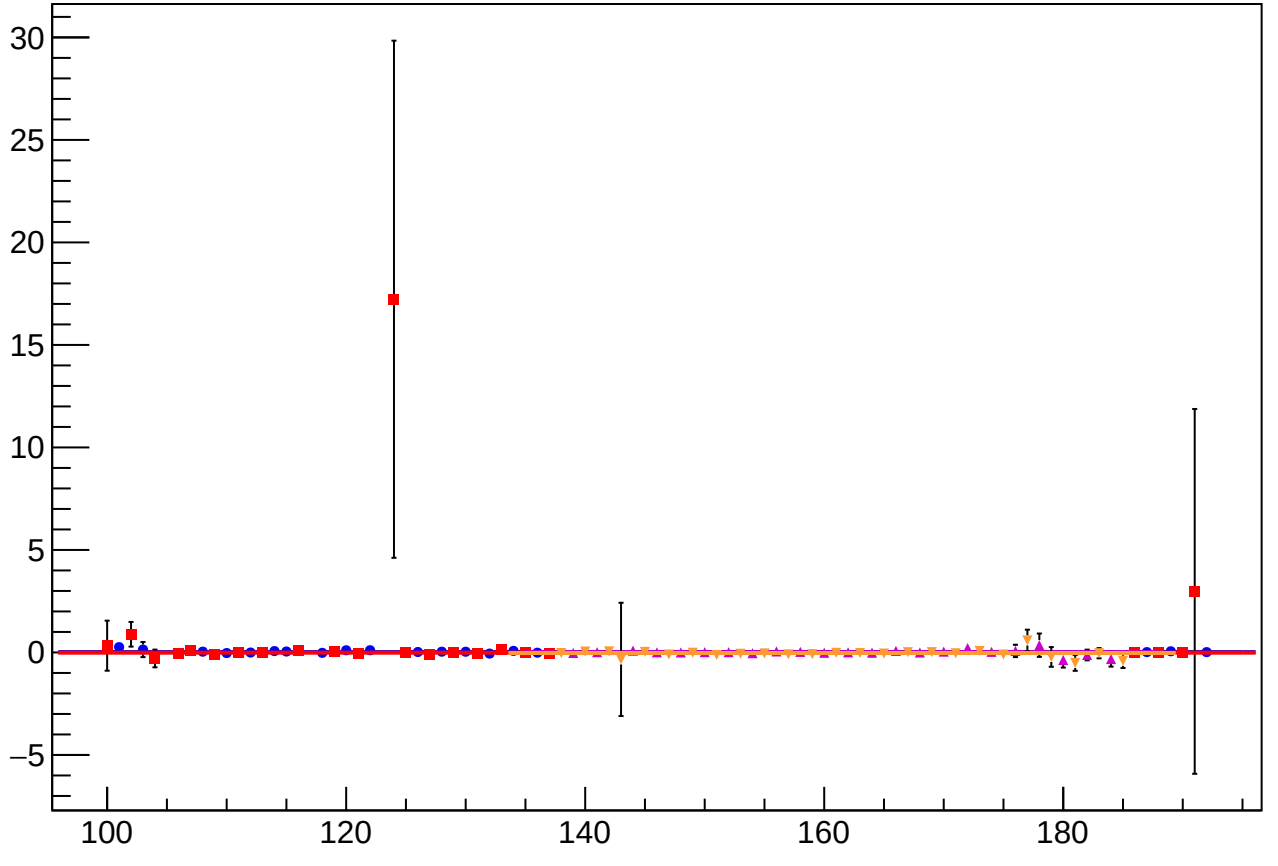
Right: 36.142+/-0.007 χ^2/NDF: 5858220.3/41

In: 34.148+/-0.006 χ^2/NDF:11656832.1/41

Out: 33.310+/-0.006 χ^2/NDF:14193430.8/47

All: 33.723+/-0.004 χ^2/NDF: 25861492.2/89

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: -0.009+/-0.014 χ^2/NDF: 16.6/22

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

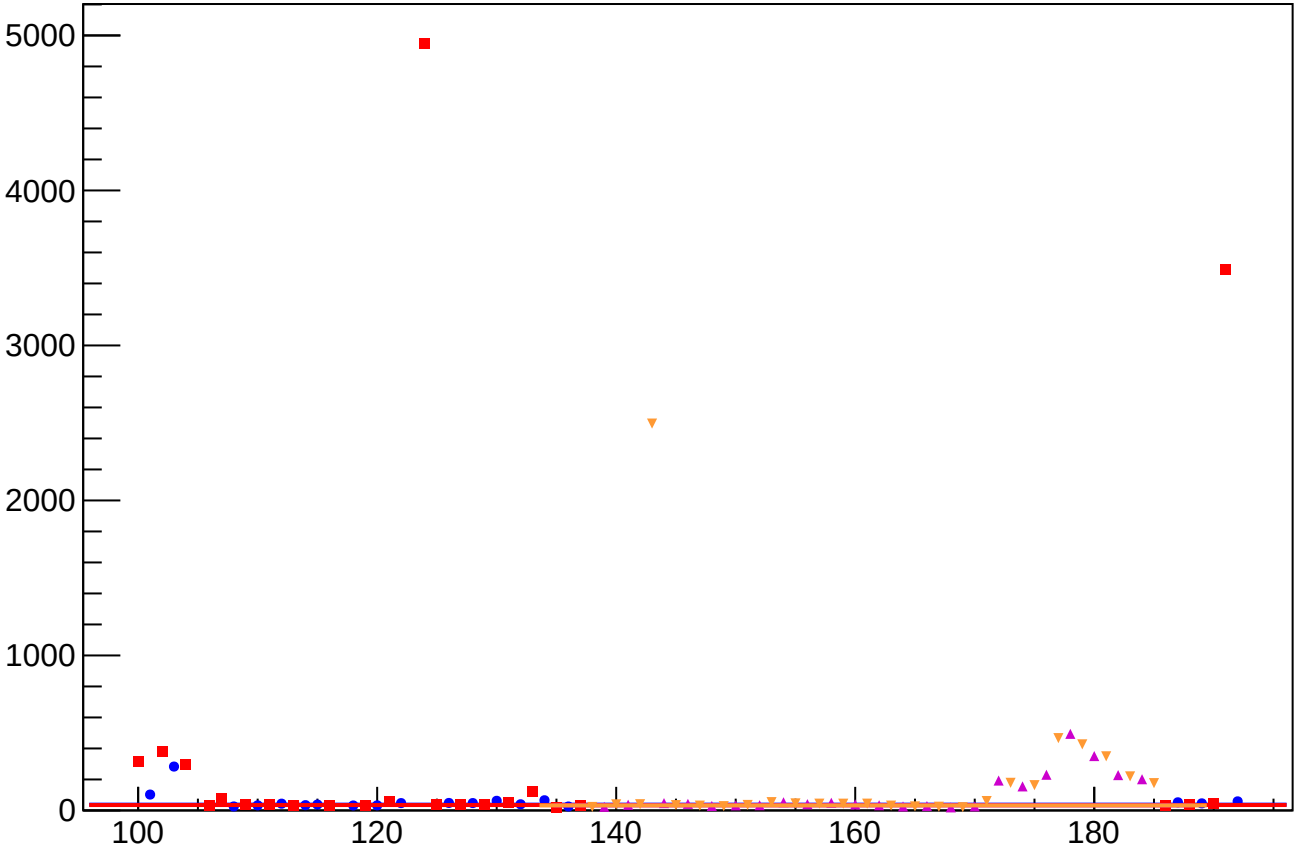
Right: 0.004+/-0.010 χ^2/NDF: 30.3/41

In: 0.013+/-0.008 χ^2/NDF:25.2/41

Out: -0.022+/-0.008 χ^2/NDF:45.9/47

All: -0.005+/-0.006 χ^2/NDF: 80.9/89

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: 34.927+/-0.010 χ^2/NDF: 3281579.6/22

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

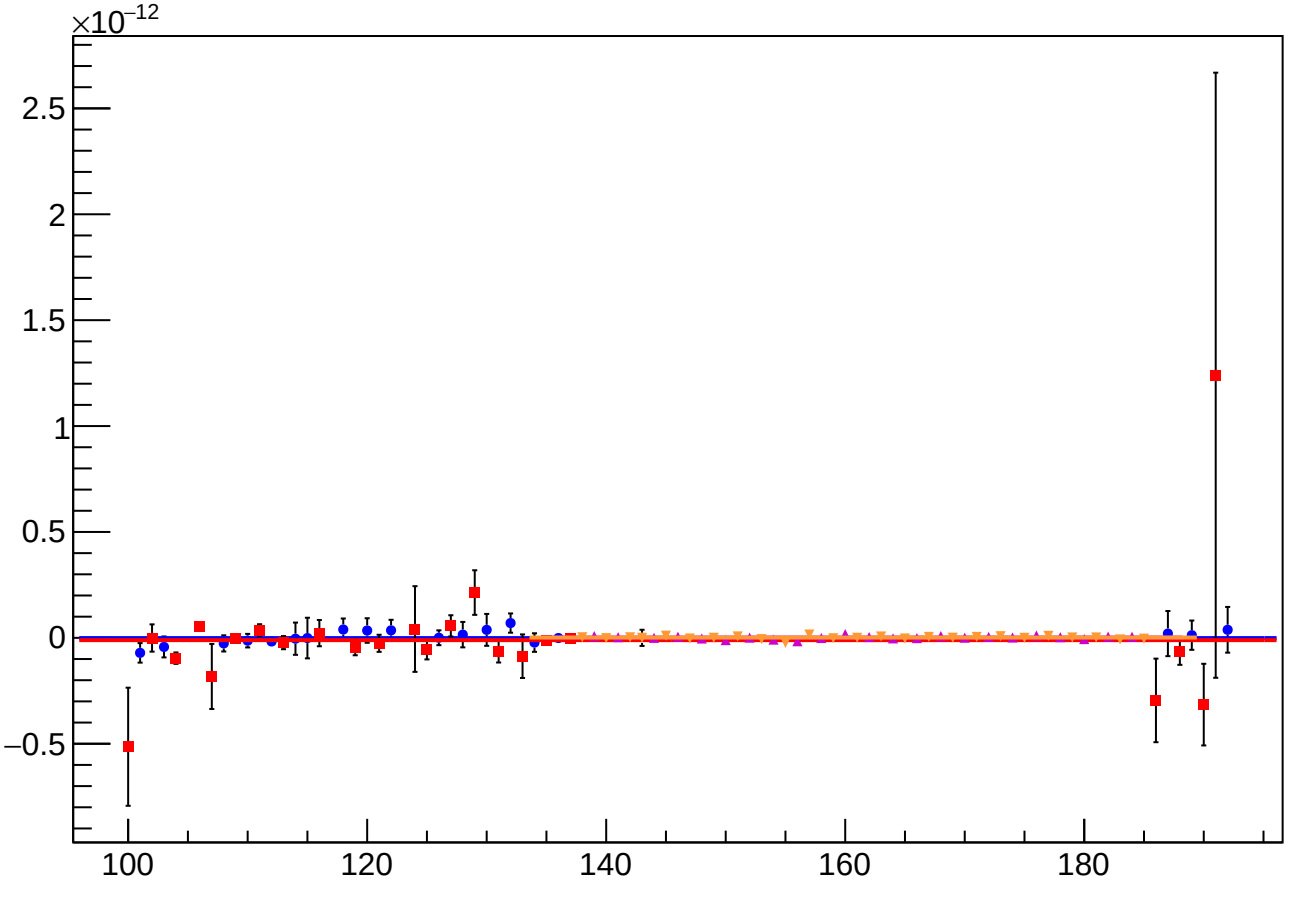
Right: 36.142+/-0.007 χ^2/NDF: 5858220.3/41

In: 34.148+/-0.006 χ^2/NDF:11656832.1/41

Out: 33.310+/-0.006 χ^2/NDF:14193430.8/47

All: 33.723+/-0.004 χ^2/NDF: 25861492.2/89

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: 45.9/22

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

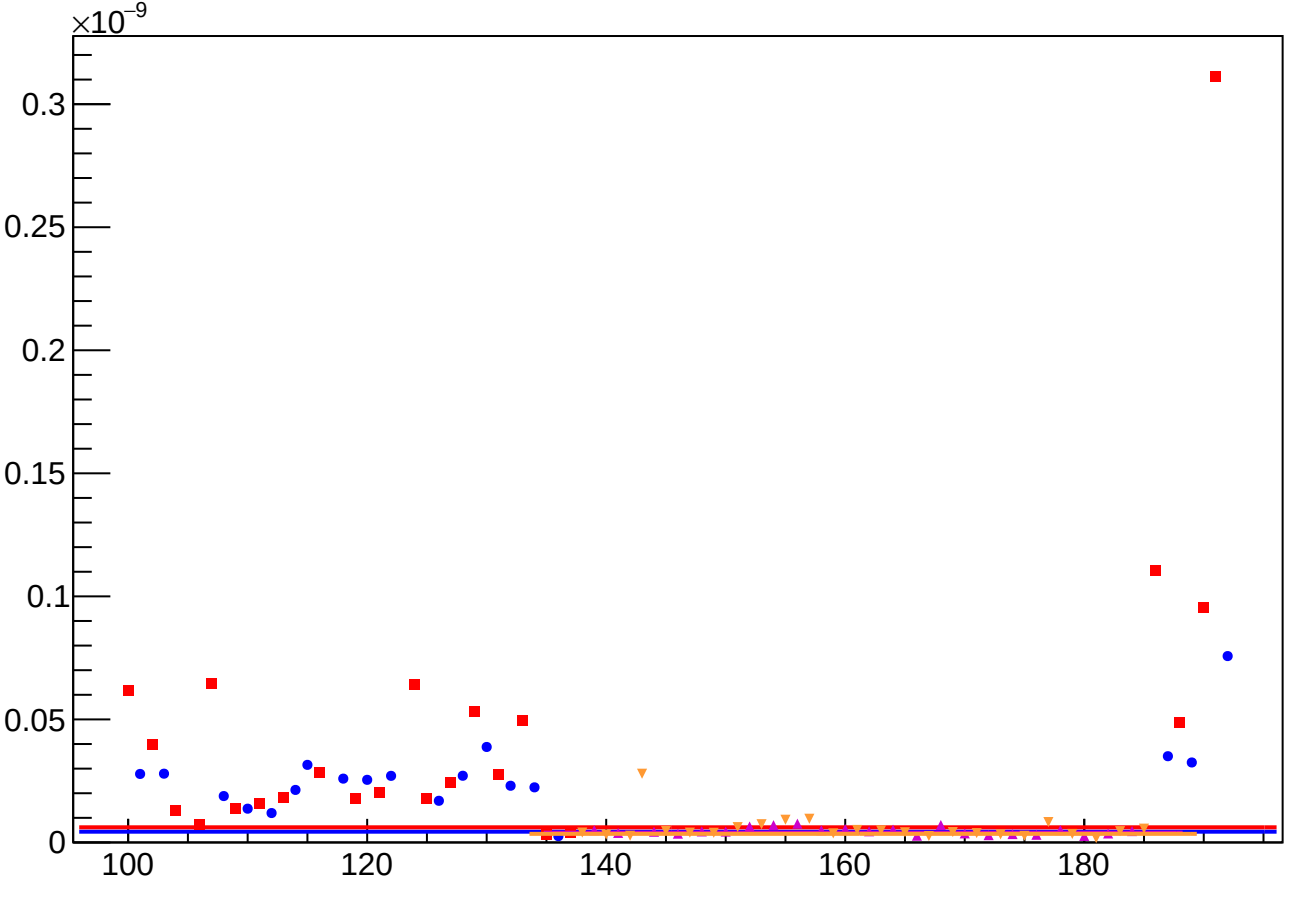
Right: -0.000+/-0.000 χ^2/NDF: 57.9/41

In: 0.000+/-0.000 χ^2/NDF:38.0/41

Out: 0.000+/-0.000 χ^2/NDF:72.1/47

All: 0.000+/-0.000 χ^2/NDF: 110.1/89

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: 6814308.9/22

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

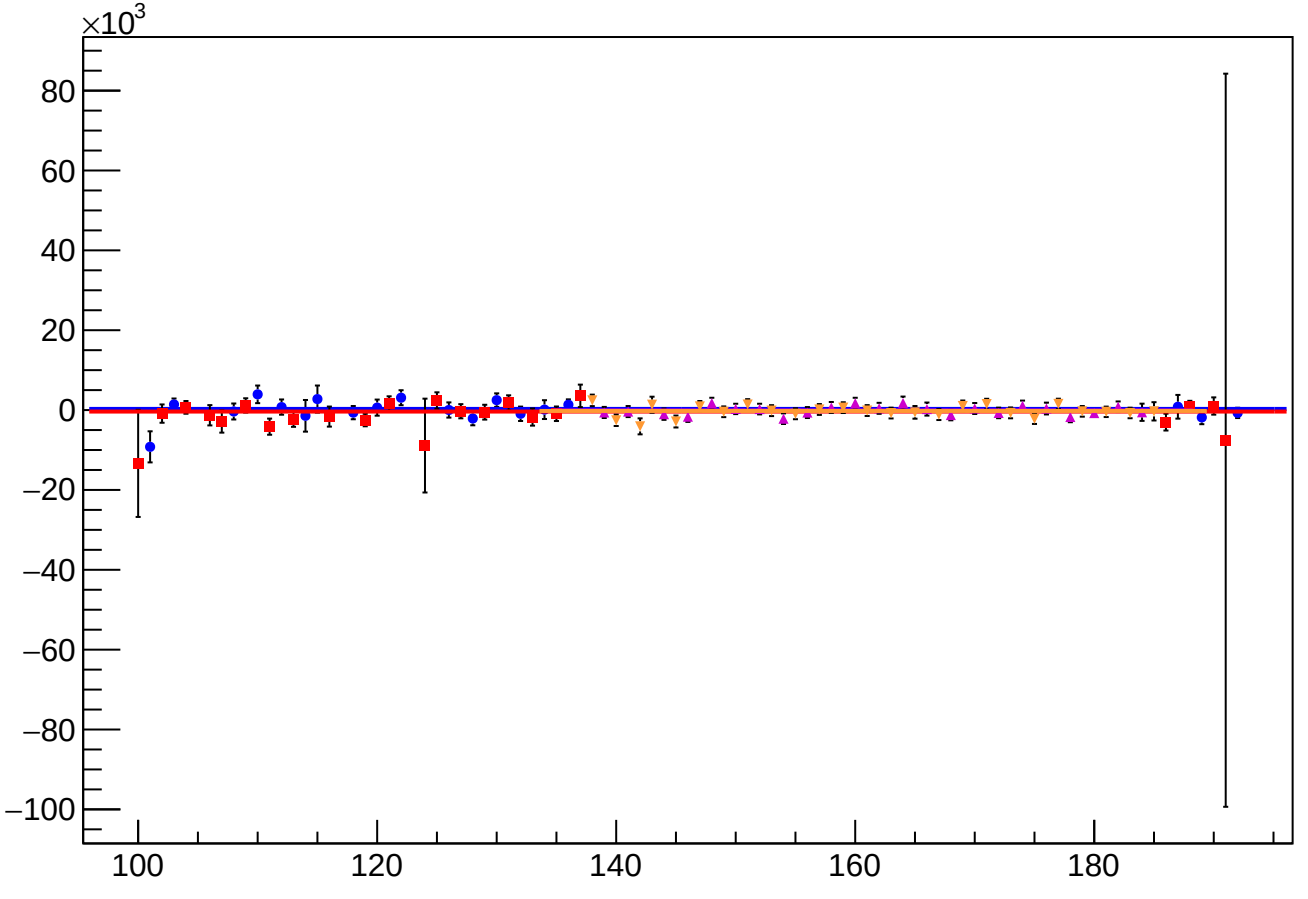
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 13488269.6/41

In: 0.000+/-0.000 χ^2/NDF:8553093.6/41

Out: 0.000+/-0.000 χ^2/NDF:12270244.3/47

All: 0.000+/-0.000 χ^2/NDF: 20938963.3/89



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: -371.874+/-433.859 χ^2/NDF: 19.9/22

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

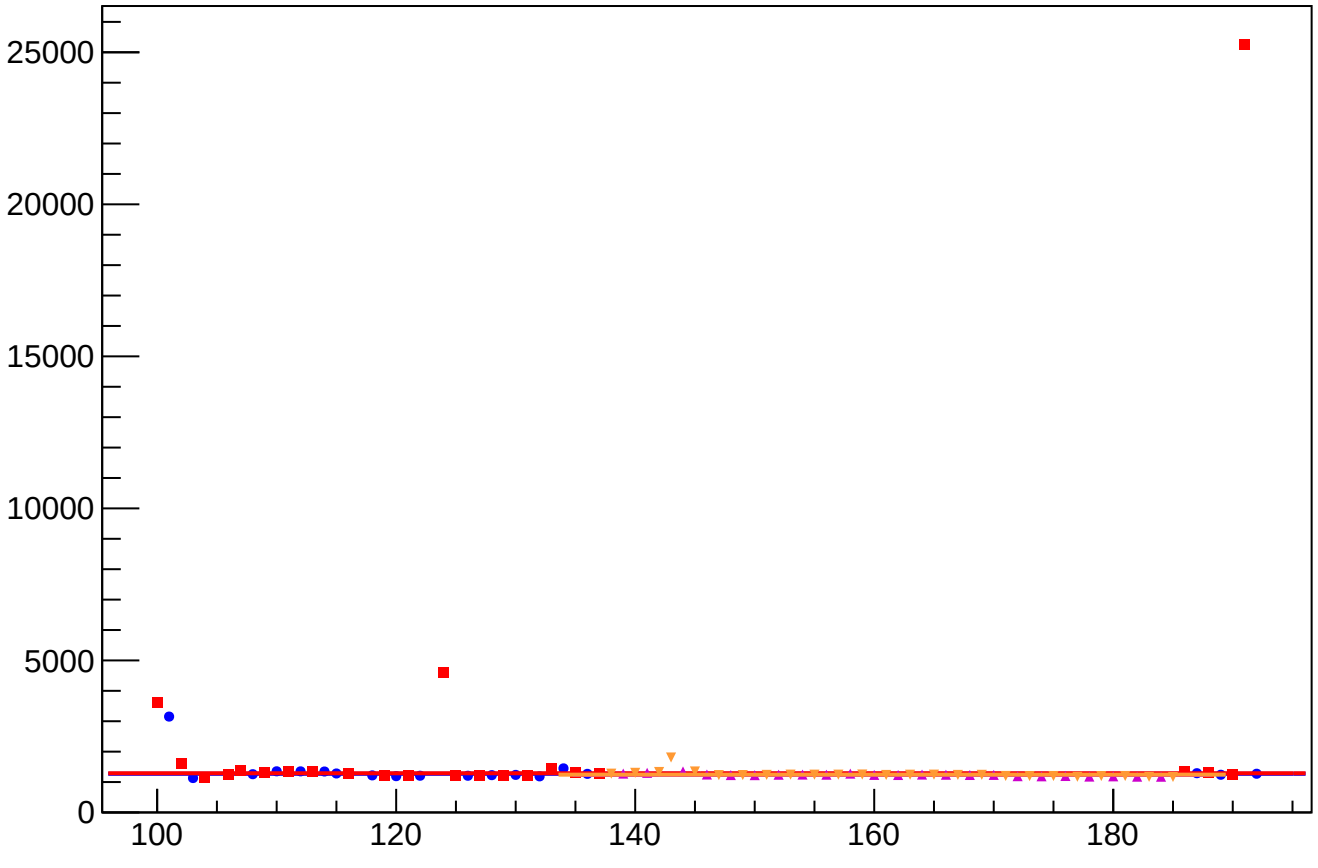
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -39.041+/-306.180 χ^2/NDF: 40.7/41

In: 25.689+/-239.782 χ^2/NDF:34.9/41

Out: -265.850+/-237.064 χ^2/NDF:43.9/47

All: -121.742+/-168.582 χ^2/NDF: 79.5/89



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: 1289.209+/-0.307 χ^2/NDF: 466930.4/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

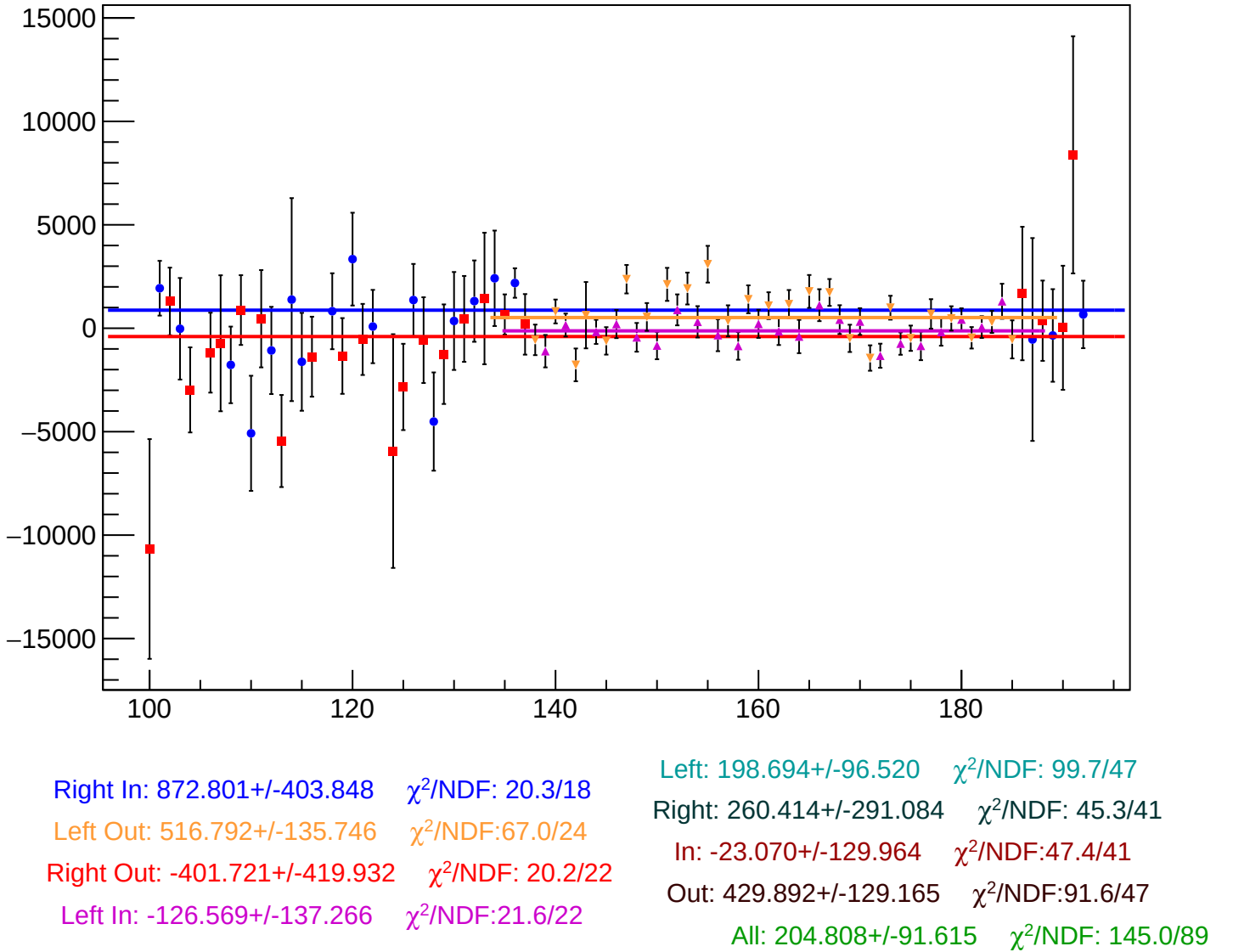
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

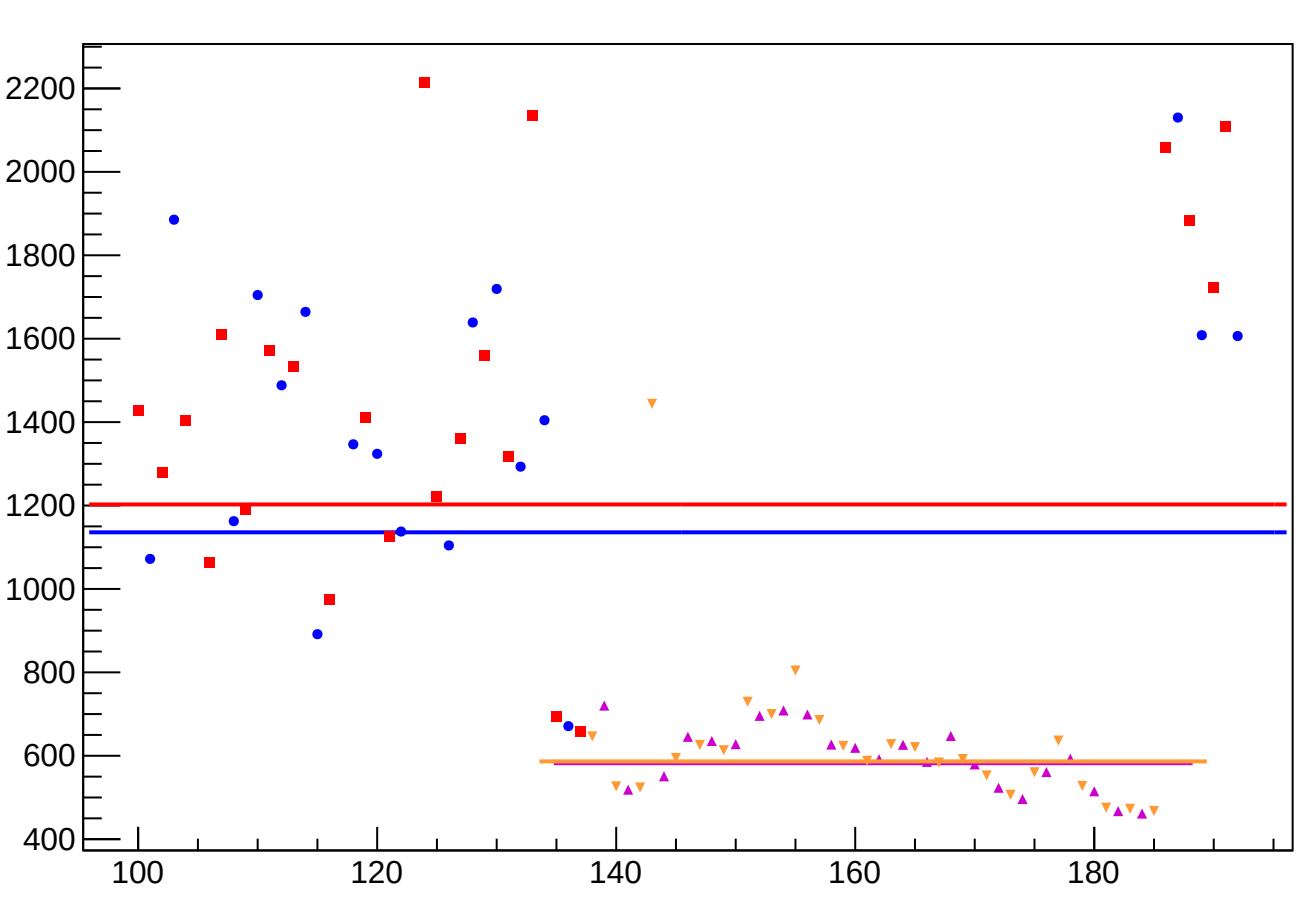
Right: 1280.111+/-0.217 χ^2/NDF: 988778.8/41

In: 1245.245+/-0.170 χ^2/NDF:569708.5/41

Out: 1256.673+/-0.168 χ^2/NDF:686264.2/47

All: 1251.025+/-0.119 χ^2/NDF: 1258270.1/89


asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: 872.801+/-403.848 χ²/NDF: 20.3/18
Left Out: 516.792+/-135.746 χ²/NDF:67.0/24
Right Out: -401.721+/-419.932 χ²/NDF: 20.2/22
Left In: -126.569+/-137.266 χ²/NDF:21.6/22
Left: 198.694+/-96.520 χ²/NDF: 99.7/47
Right: 260.414+/-291.084 χ²/NDF: 45.3/41
In: -23.070+/-129.964 χ²/NDF:47.4/41
Out: 429.892+/-129.165 χ²/NDF:91.6/47
All: 204.808+/-91.615 χ²/NDF: 145.0/89



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: 1202.605+/-0.297 χ^2/NDF: 1837343.8/22

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

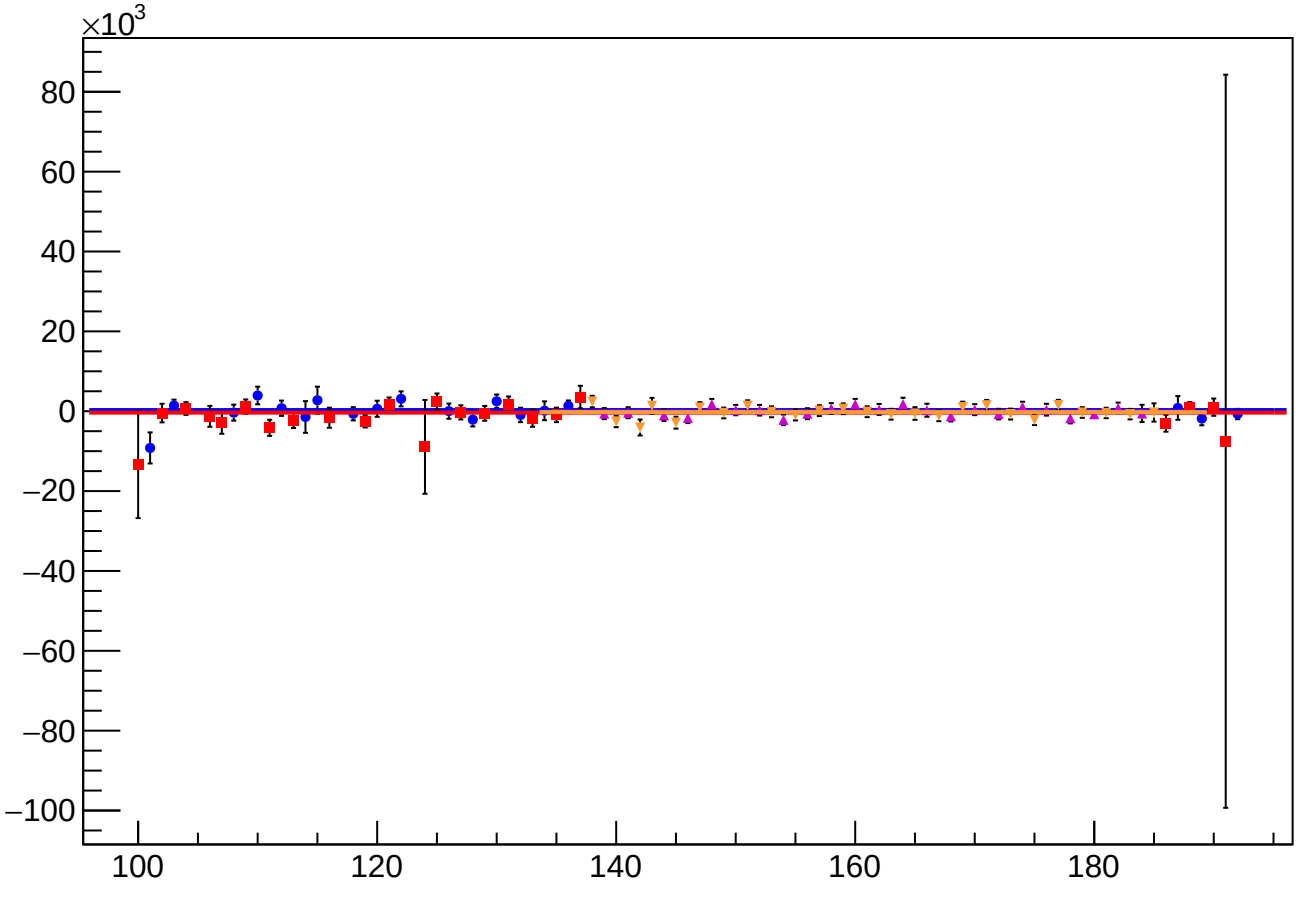
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1167.893+/-0.206 χ^2/NDF: 3719175.8/41

In: 639.523+/-0.092 χ^2/NDF:5783804.1/41

Out: 644.841+/-0.091 χ^2/NDF:6937328.8/47

All: 642.199+/-0.065 χ^2/NDF: 12722817.5/89



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: -354.801+/-434.460 χ^2/NDF: 19.8/22

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

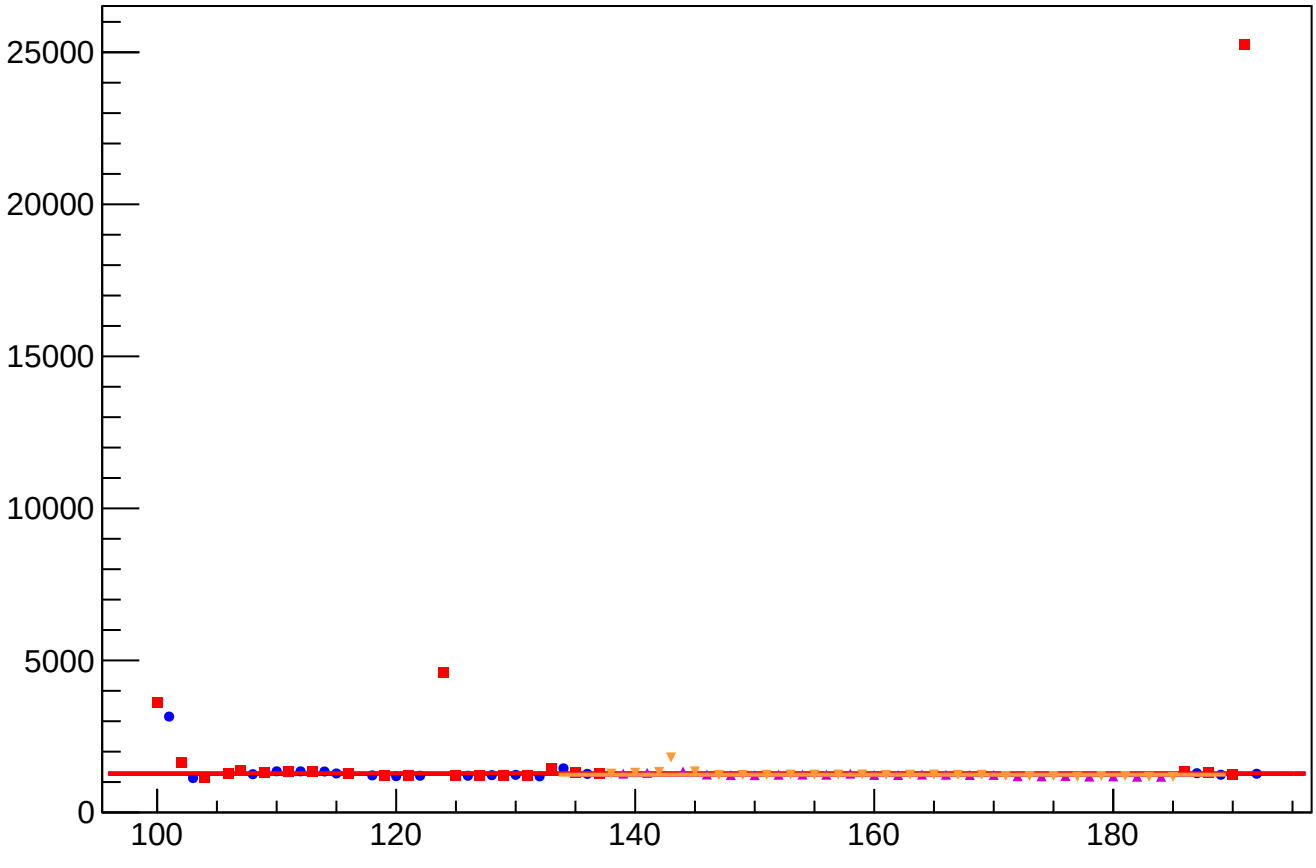
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -29.957+/-306.391 χ^2/NDF: 40.5/41

In: 25.723+/-239.782 χ^2/NDF:34.8/41

Out: -260.699+/-237.162 χ^2/NDF:43.8/47

All: -119.062+/-168.617 χ^2/NDF: 79.3/89



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: 1291.093+/-0.307 χ^2/NDF: 473322.5/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

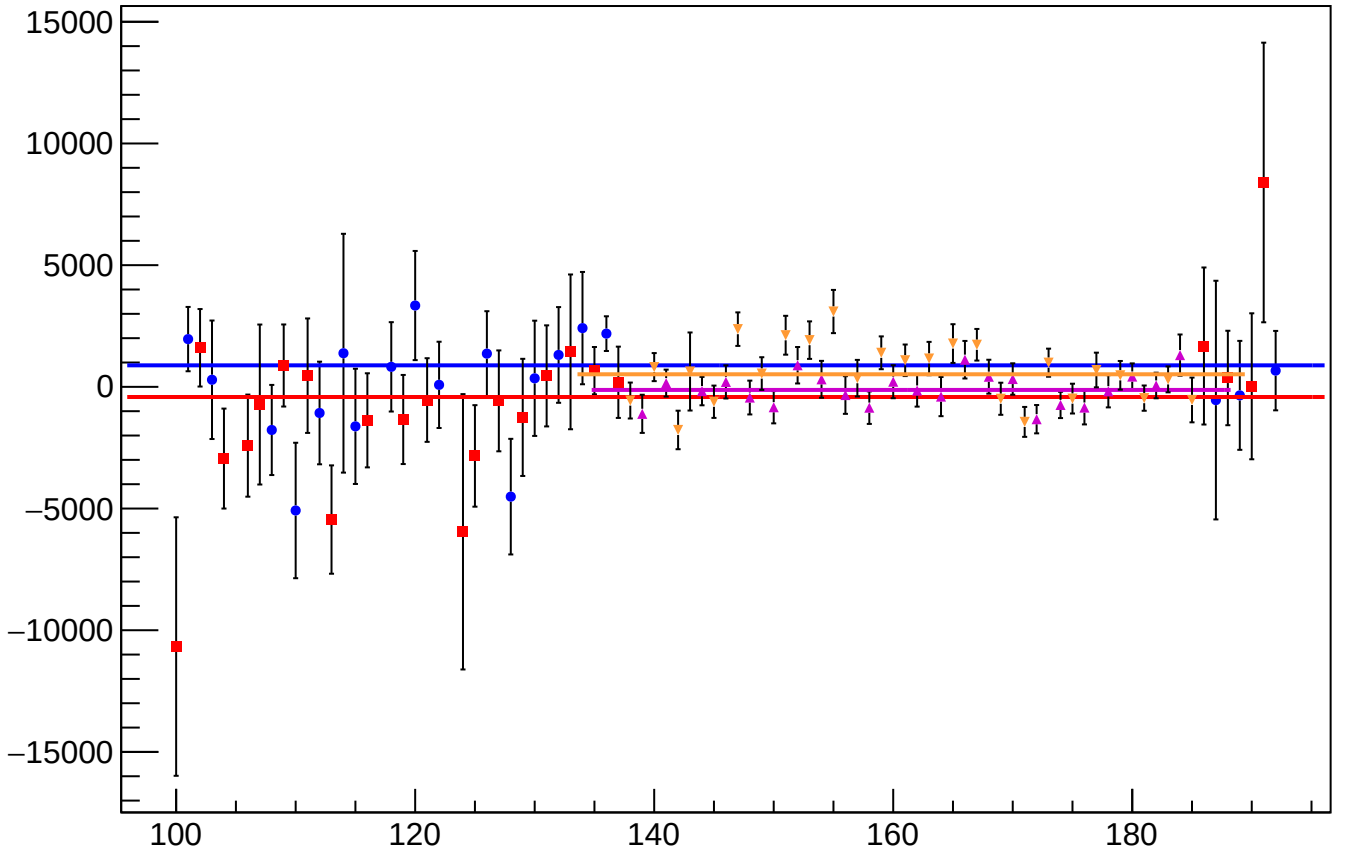
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1281.035+/-0.217 χ^2/NDF: 995552.5/41

In: 1245.245+/-0.170 χ^2/NDF:569709.8/41

Out: 1257.208+/-0.168 χ^2/NDF:693951.7/47

All: 1251.292+/-0.119 χ^2/NDF: 1266177.8/89



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: -417.122+/-420.678 χ^2/NDF: 21.4/22

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

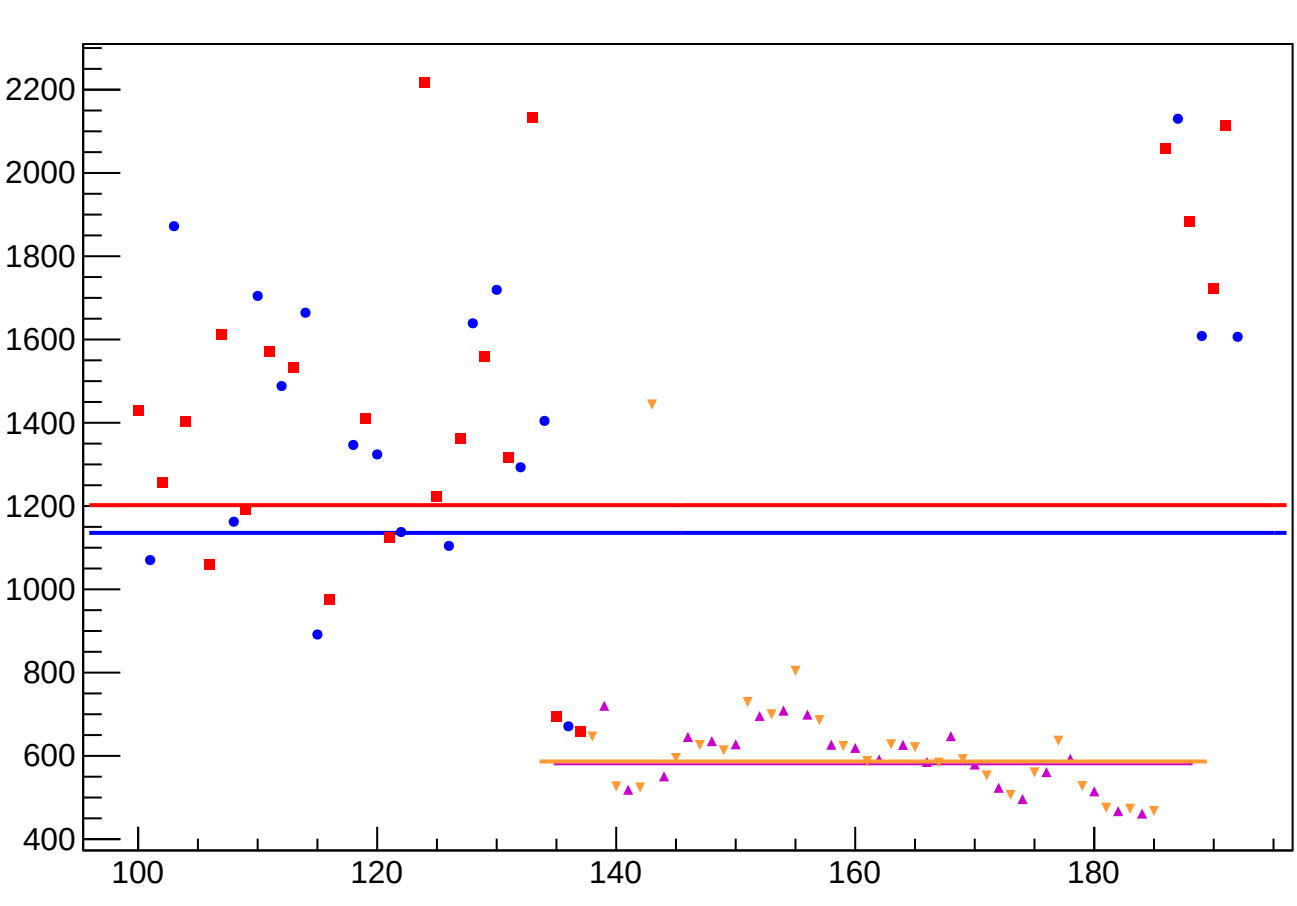
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 260.224+/-291.275 χ^2/NDF: 46.7/41

In: -21.824+/-129.959 χ^2/NDF:47.5/41

Out: 428.735+/-129.188 χ^2/NDF:92.9/47

All: 204.796+/-91.621 χ^2/NDF: 146.5/89


asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
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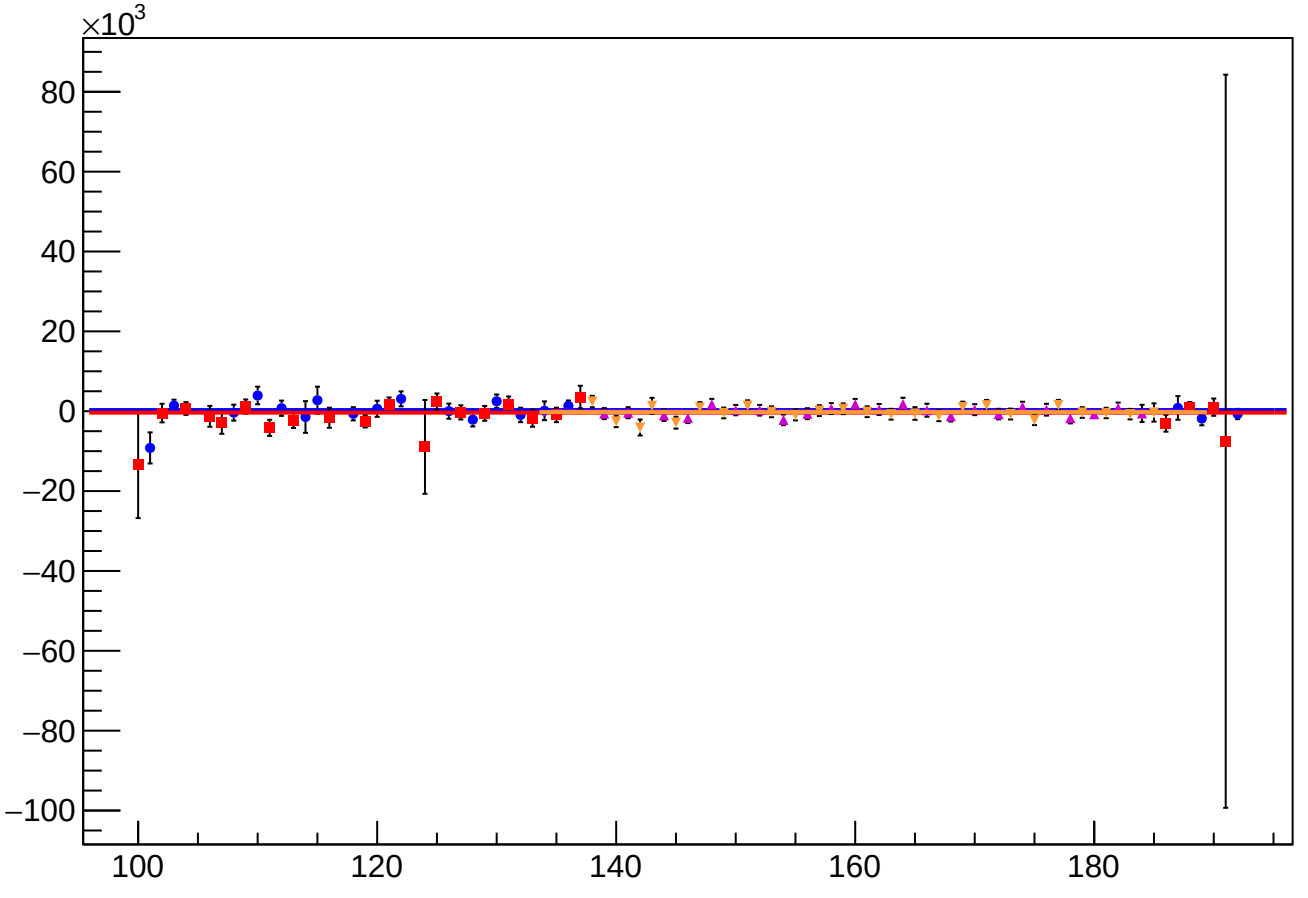
140
160
180
Right In: 1135.578+/-0.285 χ²/NDF: 1852278.2/18
Left Out: 586.562+/-0.096 χ²/NDF:1202822.0/24
Right Out: 1202.187+/-0.297 χ²/NDF: 1834440.2/22
Left In: 582.189+/-0.097 χ²/NDF:559258.0/22
Left: 584.400+/-0.068 χ²/NDF: 1763106.4/47
Right: 1167.511+/-0.206 χ²/NDF: 3712821.3/41
In: 639.538+/-0.092 χ²/NDF:5780255.9/41
Out: 644.619+/-0.091 χ²/NDF:6916480.0/47
All: 642.094+/-0.065 χ²/NDF: 12698273.8/89



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: -354.801+/-434.460 χ^2/NDF: 19.8/22

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

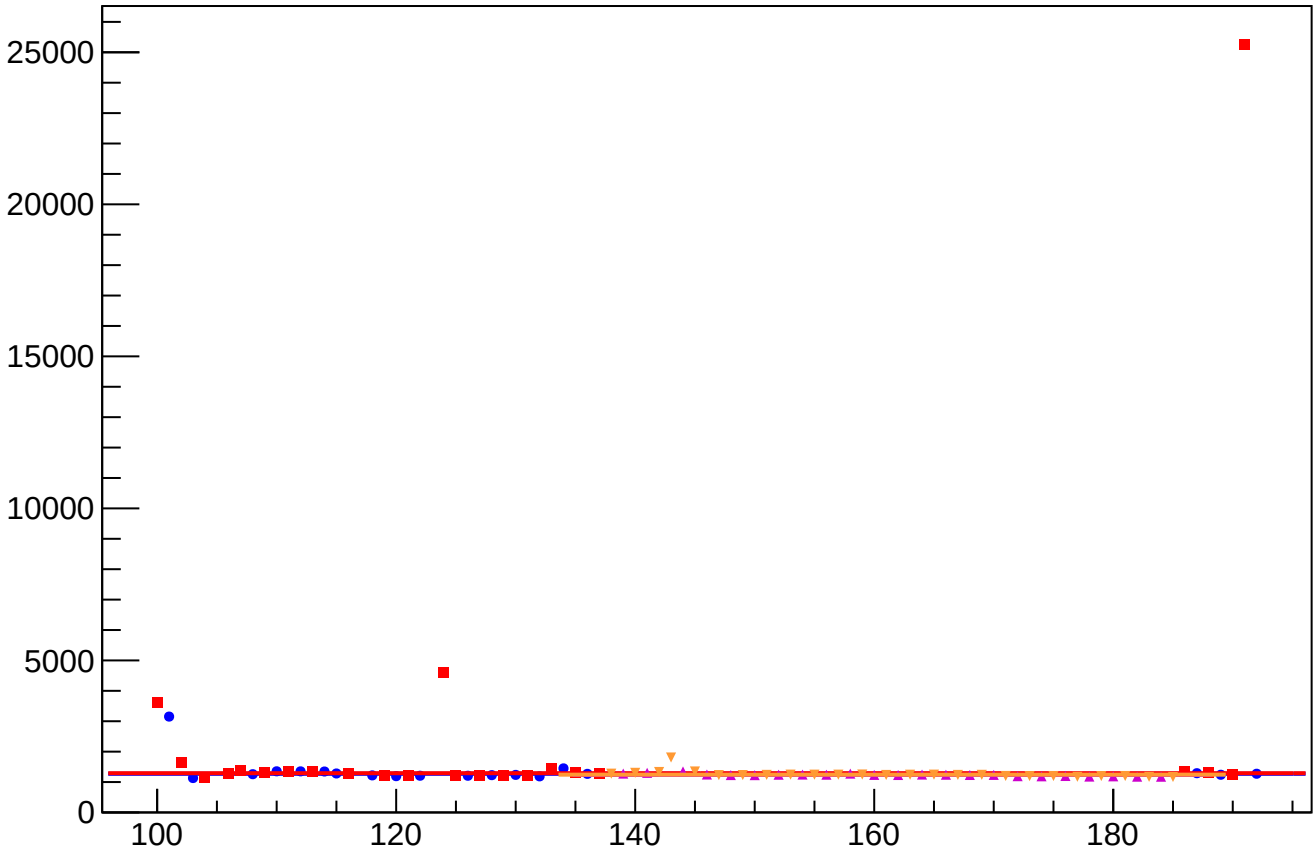
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -29.957+/-306.391 χ^2/NDF: 40.5/41

In: 25.723+/-239.782 χ^2/NDF:34.8/41

Out: -260.699+/-237.162 χ^2/NDF:43.8/47

All: -119.062+/-168.617 χ^2/NDF: 79.3/89



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: 1291.093+/-0.307 χ^2/NDF: 473322.5/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

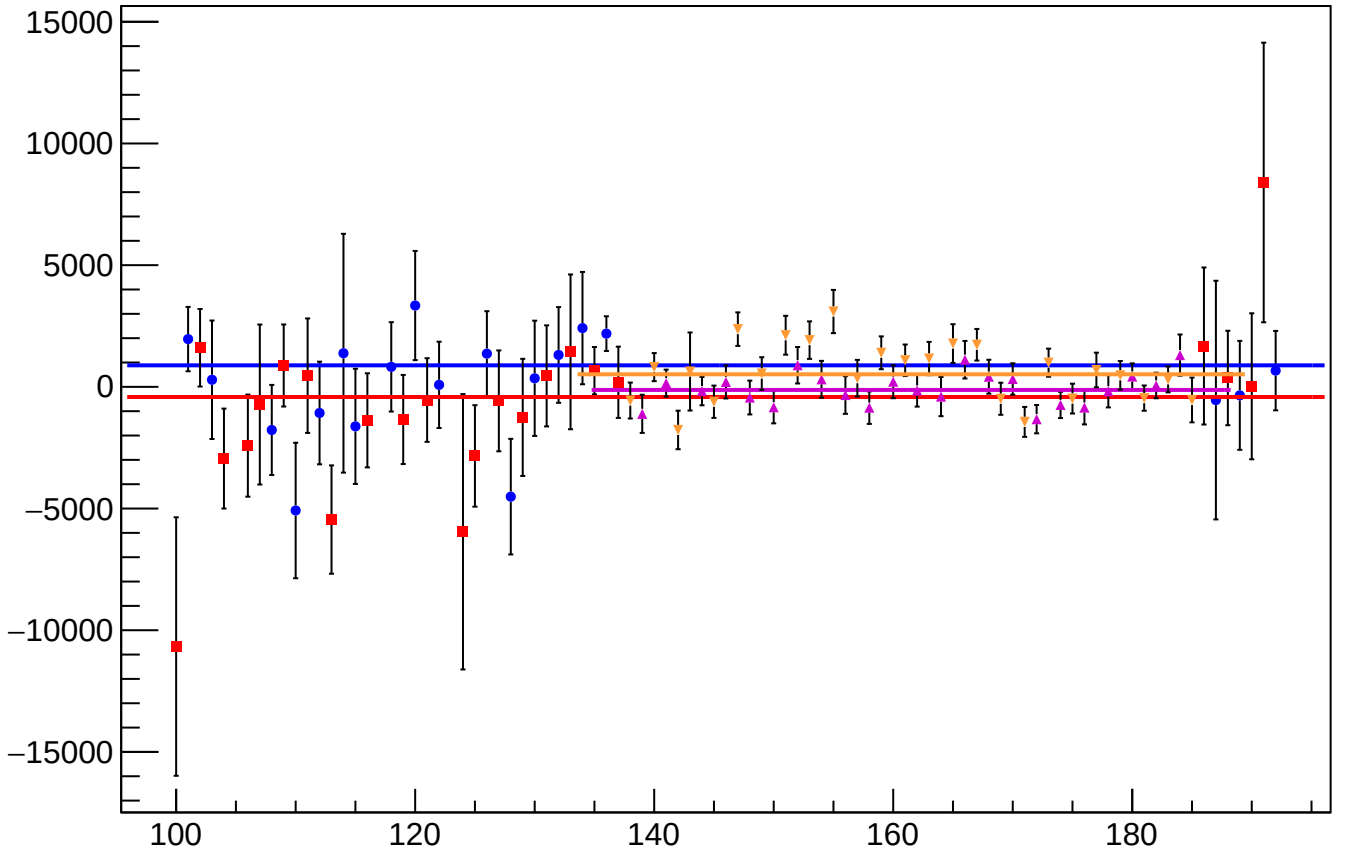
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

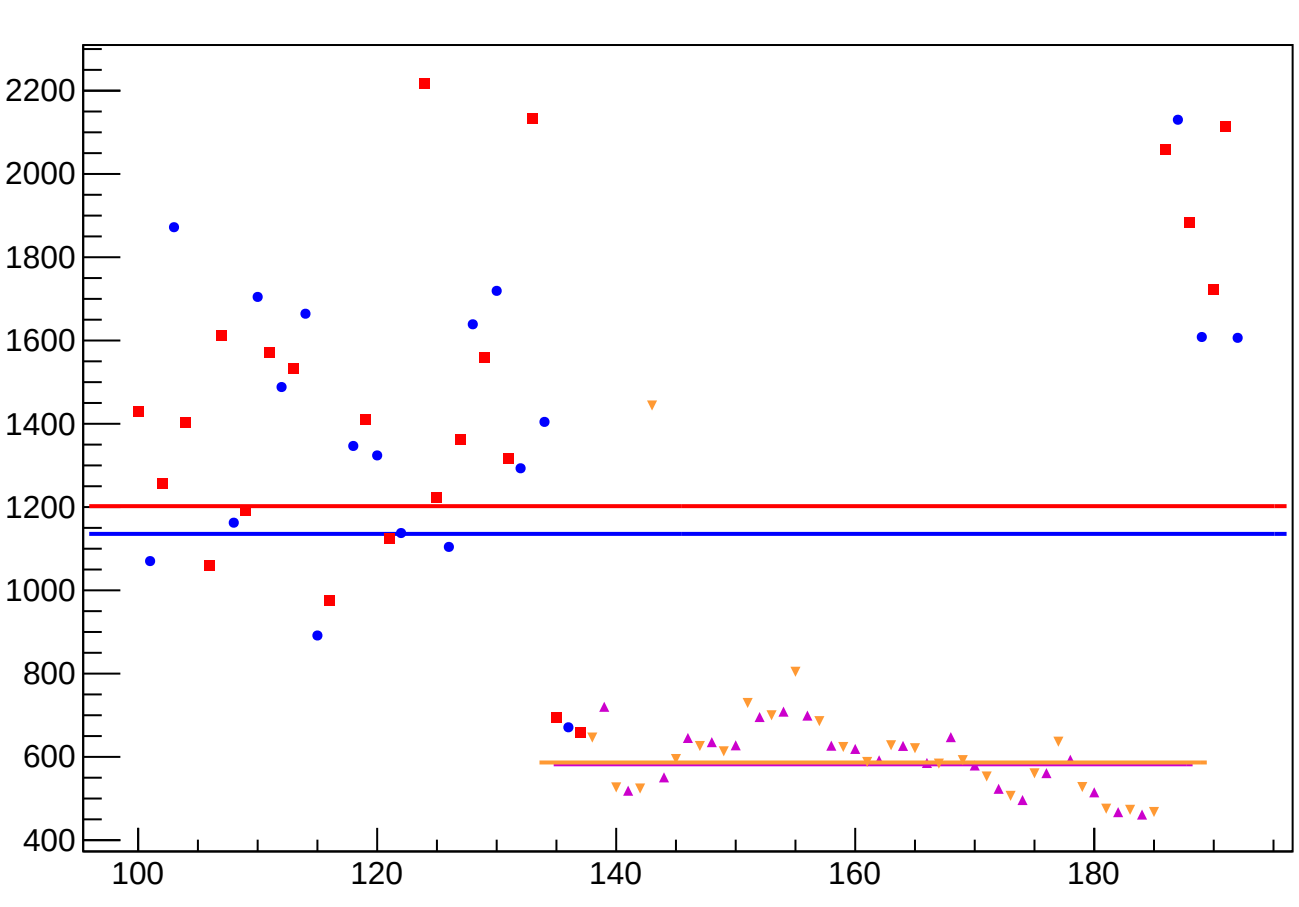
Right: 1281.035+/-0.217 χ^2/NDF: 995552.5/41

In: 1245.245+/-0.170 χ^2/NDF:569709.8/41

Out: 1257.208+/-0.168 χ^2/NDF:693951.7/47

All: 1251.292+/-0.119 χ^2/NDF: 1266177.8/89


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: 883.994+/-403.698 χ²/NDF: 20.3/18
Left Out: 516.811+/-135.747 χ²/NDF:67.0/24
Right Out: -417.122+/-420.678 χ²/NDF: 21.4/22
Left In: -126.549+/-137.266 χ²/NDF:21.6/22
Left: 198.710+/-96.520 χ²/NDF: 99.7/47
Right: 260.224+/-291.275 χ²/NDF: 46.7/41
In: -21.824+/-129.959 χ²/NDF:47.5/41
Out: 428.735+/-129.188 χ²/NDF:92.9/47
All: 204.796+/-91.621 χ²/NDF: 146.5/89


asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2200
2000
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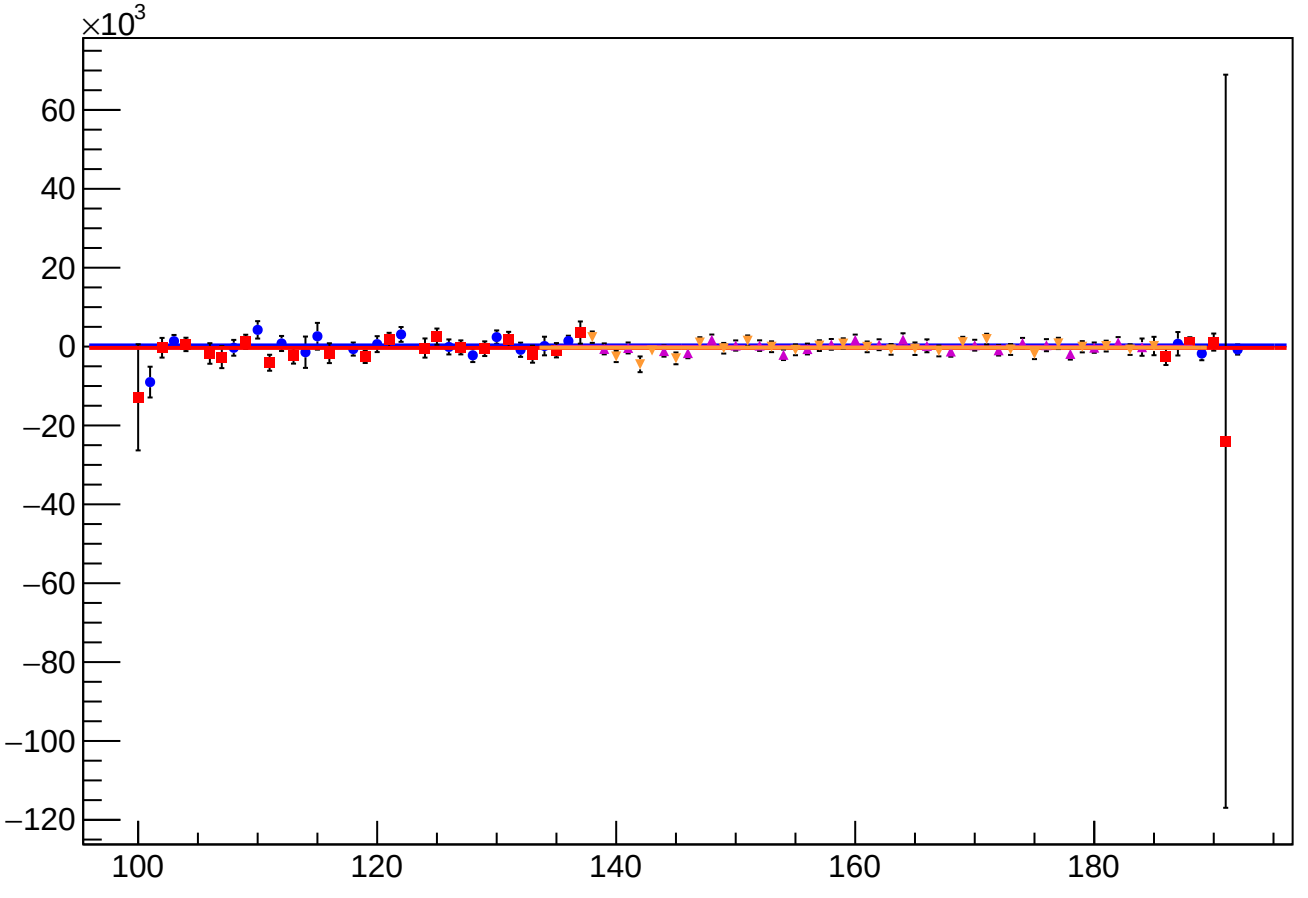
Right In: 1135.578+/-0.285 χ²/NDF: 1852278.2/18
Left Out: 586.562+/-0.096 χ²/NDF:1202822.0/24
Right Out: 1202.187+/-0.297 χ²/NDF: 1834440.2/22
Left In: 582.189+/-0.097 χ²/NDF:559258.0/22
Left: 584.400+/-0.068 χ²/NDF: 1763106.4/47
Right: 1167.511+/-0.206 χ²/NDF: 3712821.3/41
In: 639.538+/-0.092 χ²/NDF:5780255.9/41
Out: 644.619+/-0.091 χ²/NDF:6916480.0/47
All: 642.094+/-0.065 χ²/NDF: 12698273.8/89



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: -338.070+/-431.294 χ^2/NDF: 19.4/22

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

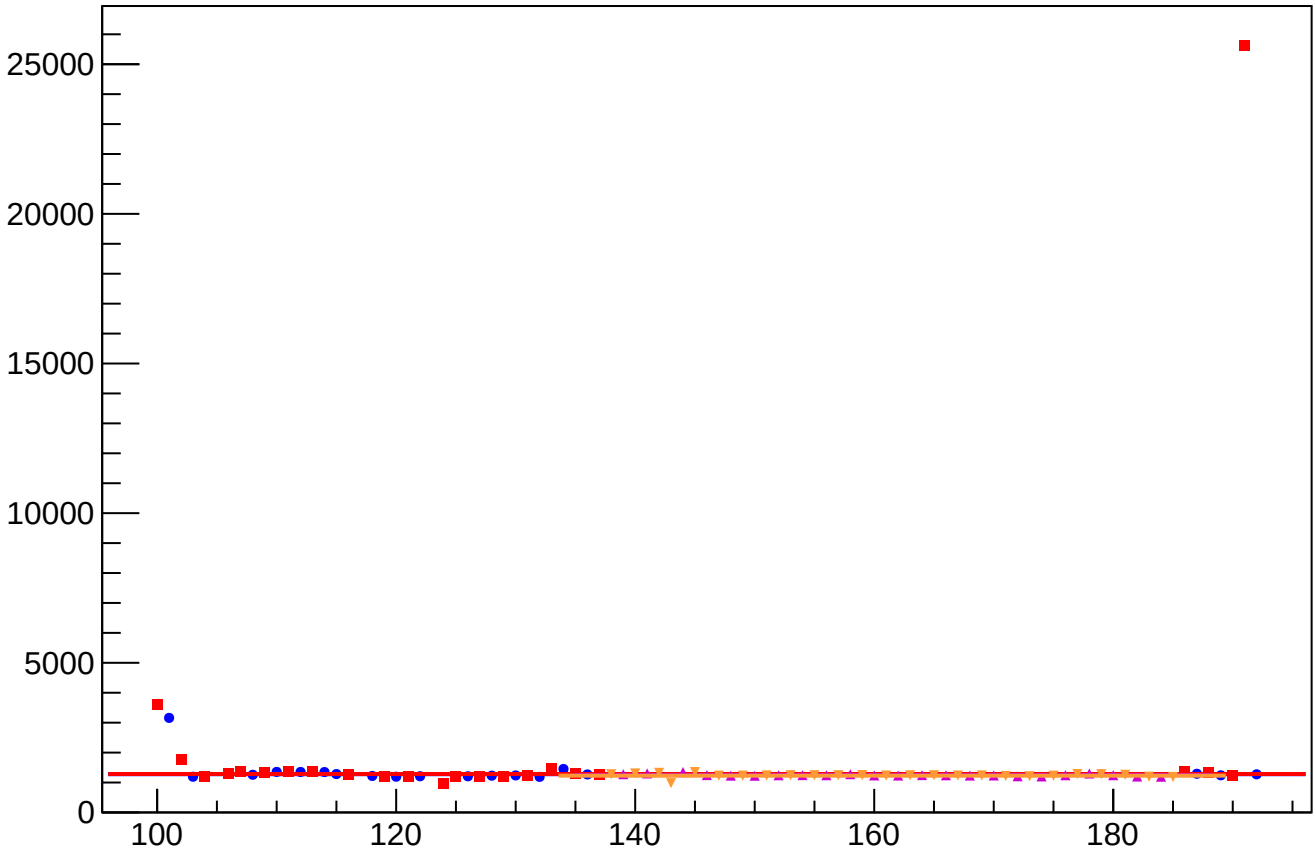
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -26.808+/-306.073 χ^2/NDF: 40.0/41

In: 38.064+/-242.034 χ^2/NDF:34.1/41

Out: -276.700+/-234.803 χ^2/NDF:43.4/47

All: -124.090+/-168.529 χ^2/NDF: 78.4/89



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: 1285.133+/-0.305 χ^2/NDF: 367809.6/22

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

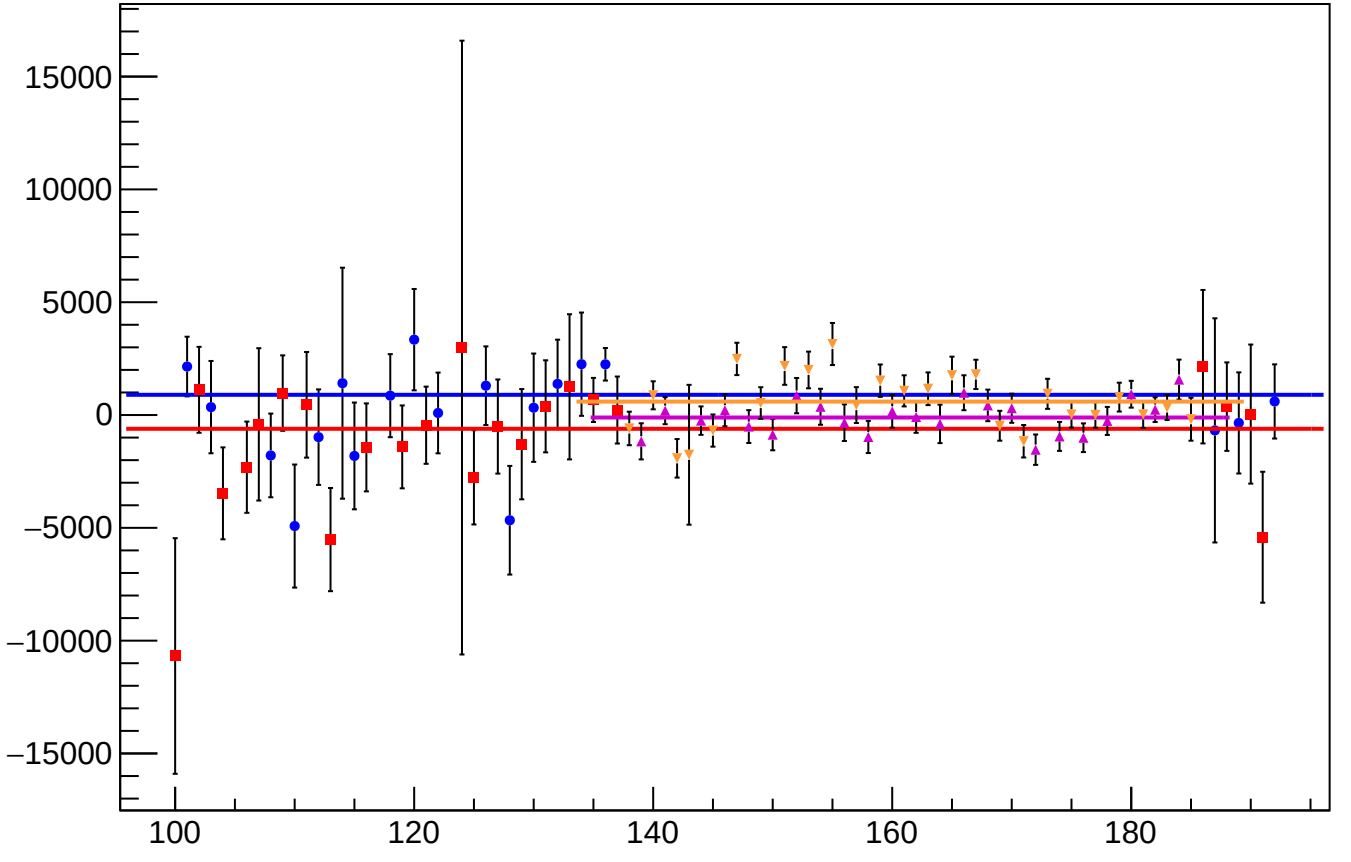
Right: 1281.680+/-0.216 χ^2/NDF: 876240.2/41

In: 1257.219+/-0.171 χ^2/NDF:542263.4/41

Out: 1246.331+/-0.166 χ^2/NDF:532423.8/47

All: 1251.610+/-0.119 χ^2/NDF: 1076772.2/89

asym_at1_dd_at2_dd_avg_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: -610.188+/-424.130 χ^2/NDF: 20.8/22

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

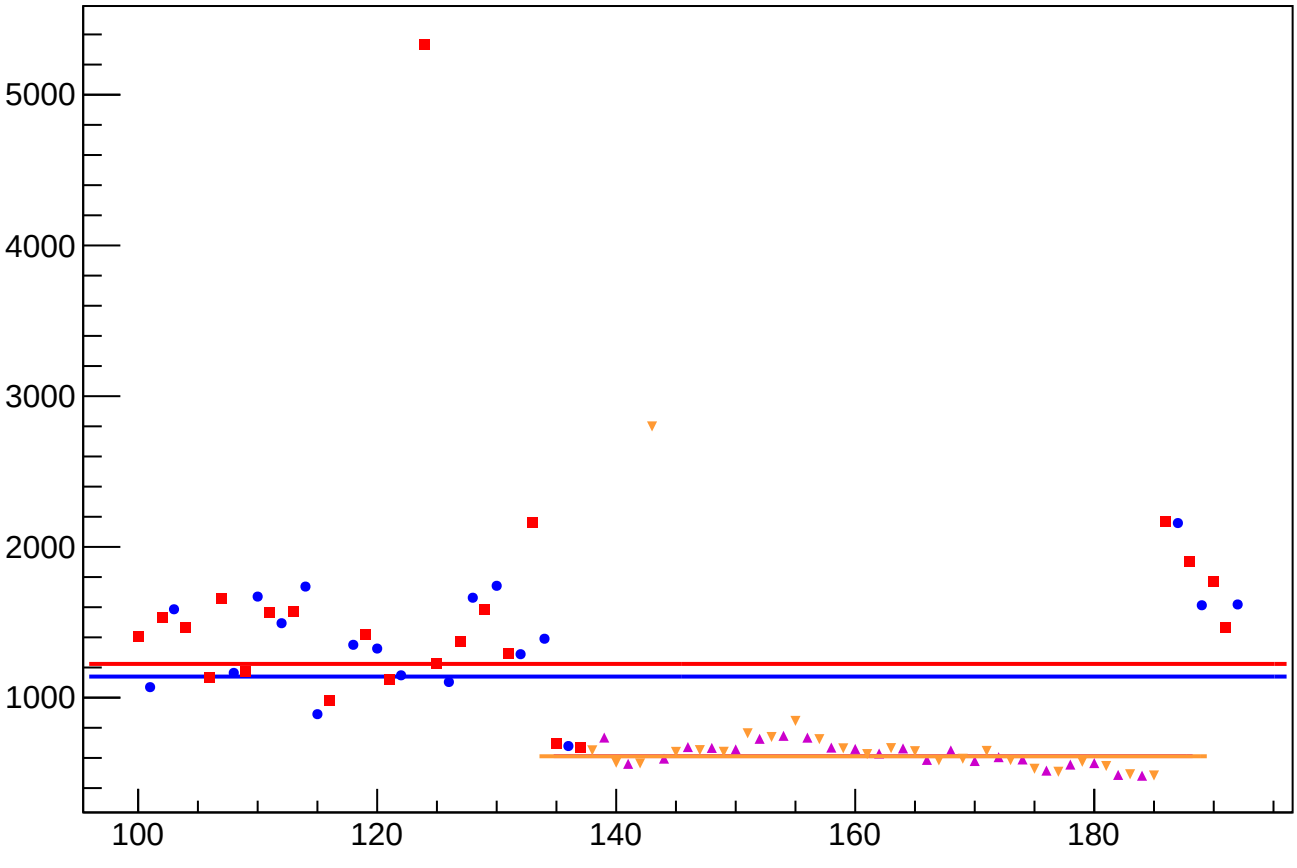
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 180.405+/-292.361 χ^2/NDF: 48.4/41

In: 3.742+/-135.818 χ^2/NDF:52.2/41

Out: 473.323+/-134.765 χ^2/NDF:85.4/47

All: 240.361+/-95.663 χ^2/NDF: 143.6/89



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: 1223.781+/-0.300 χ^2/NDF: 2006413.3/22

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

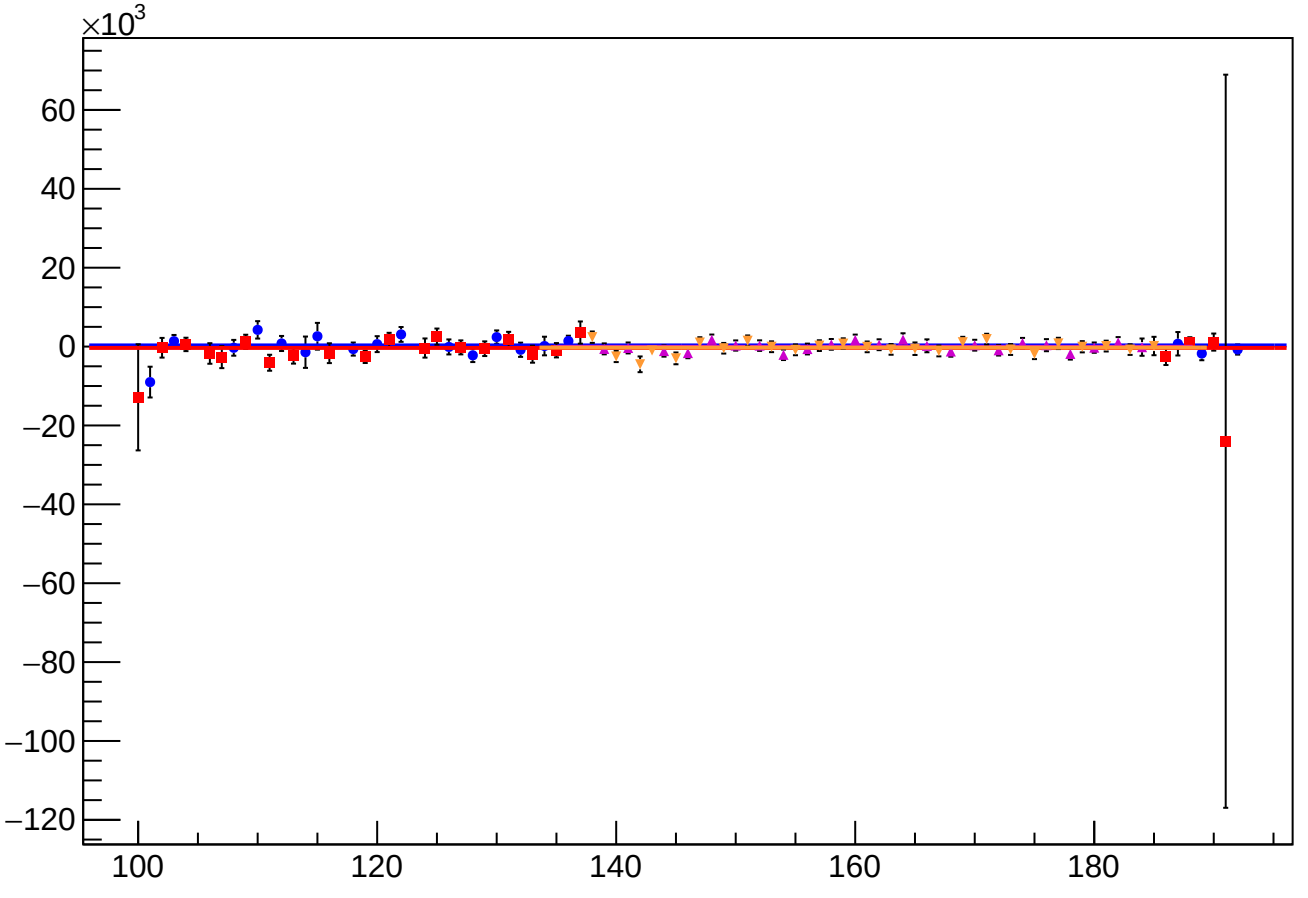
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1179.724+/-0.207 χ^2/NDF: 3785602.3/41

In: 672.141+/-0.096 χ^2/NDF:5276051.9/41

Out: 672.945+/-0.095 χ^2/NDF:7378034.7/47

All: 672.546+/-0.068 χ^2/NDF: 12654121.9/89



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: -338.069+/-431.294 χ^2/NDF: 19.4/22

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

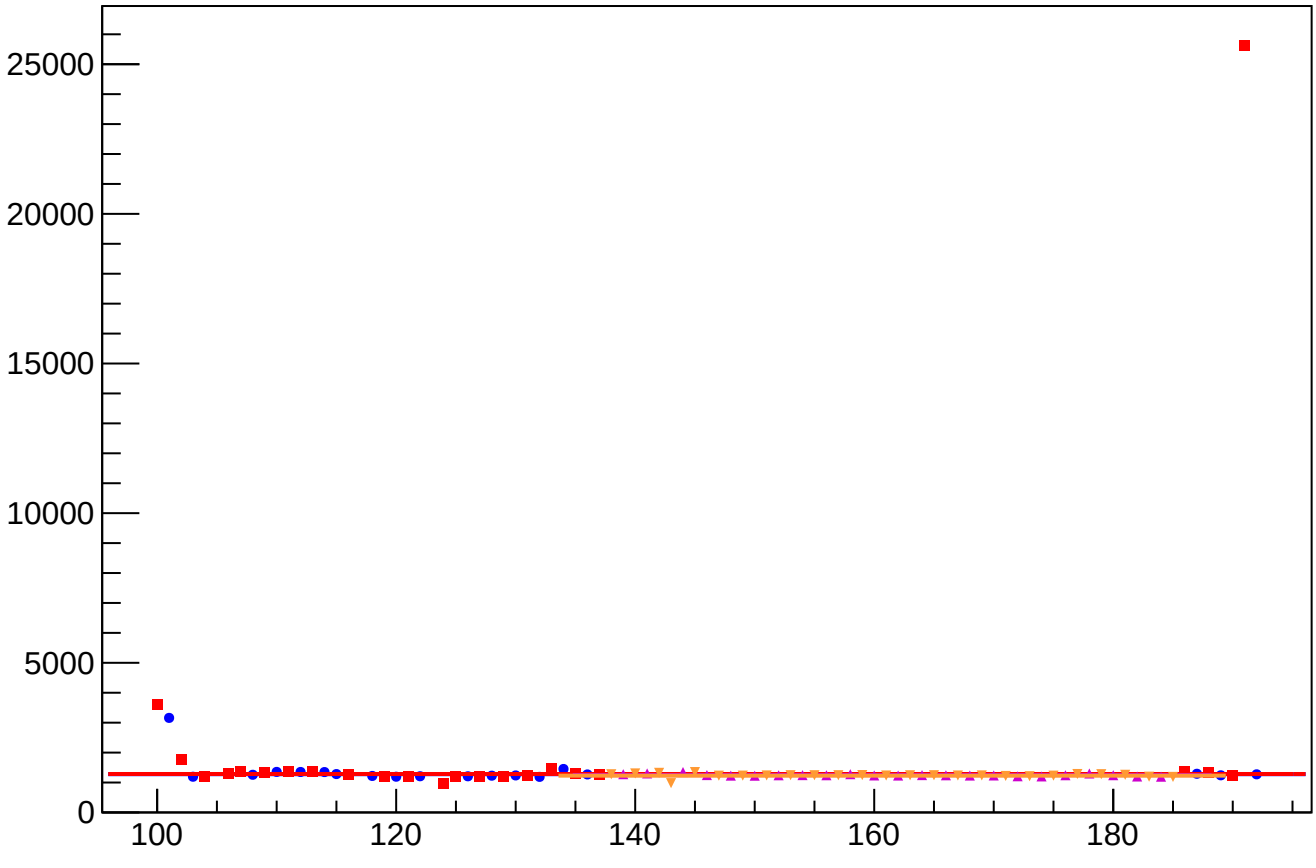
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -26.807+/-306.073 χ^2/NDF: 40.0/41

In: 38.065+/-242.034 χ^2/NDF:34.1/41

Out: -276.701+/-234.803 χ^2/NDF:43.4/47

All: -124.090+/-168.529 χ^2/NDF: 78.4/89



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: 1285.133+/-0.305 χ^2/NDF: 367809.5/22

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

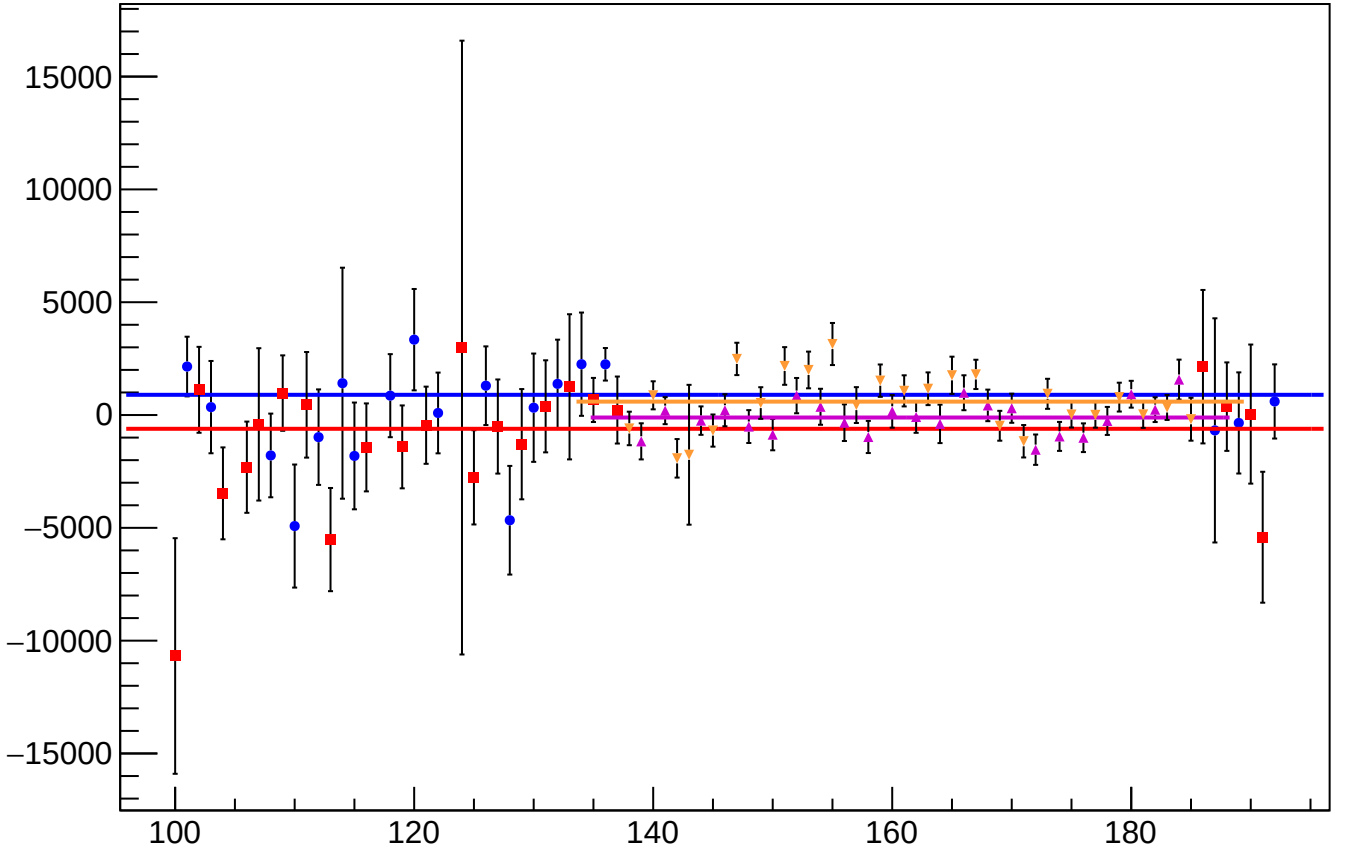
Right: 1281.680+/-0.216 χ^2/NDF: 876240.3/41

In: 1257.219+/-0.171 χ^2/NDF:542263.5/41

Out: 1246.331+/-0.166 χ^2/NDF:532422.8/47

All: 1251.610+/-0.119 χ^2/NDF: 1076771.2/89

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: -610.198+/-424.132 χ^2/NDF: 20.8/22

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

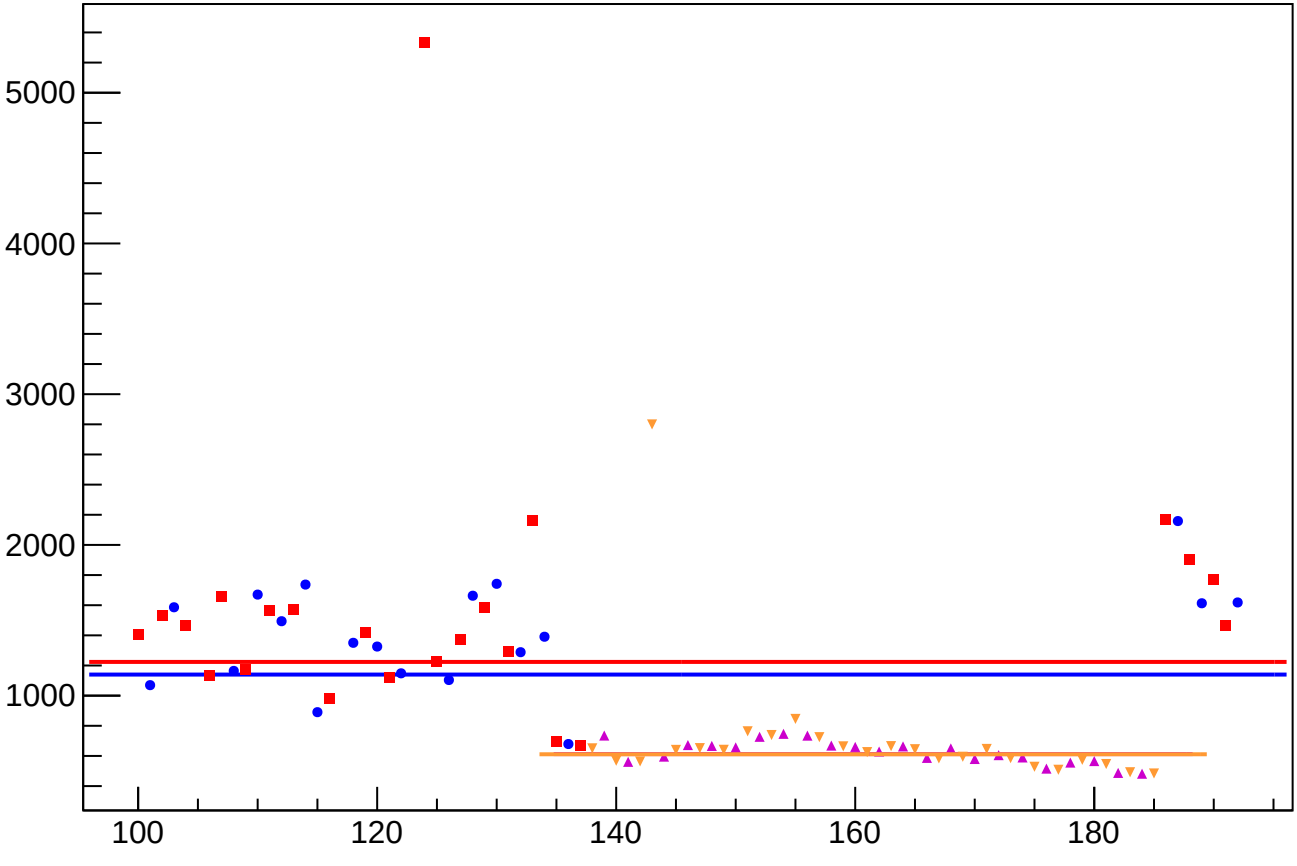
Right: 180.398+/-292.362 χ^2/NDF: 48.4/41

In: 3.742+/-135.818 χ^2/NDF:52.2/41

Out: 473.323+/-134.765 χ^2/NDF:85.4/47

All: 240.361+/-95.663 χ^2/NDF: 143.6/89

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 1223.788+/-0.300 χ^2/NDF: 2006352.6/22

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

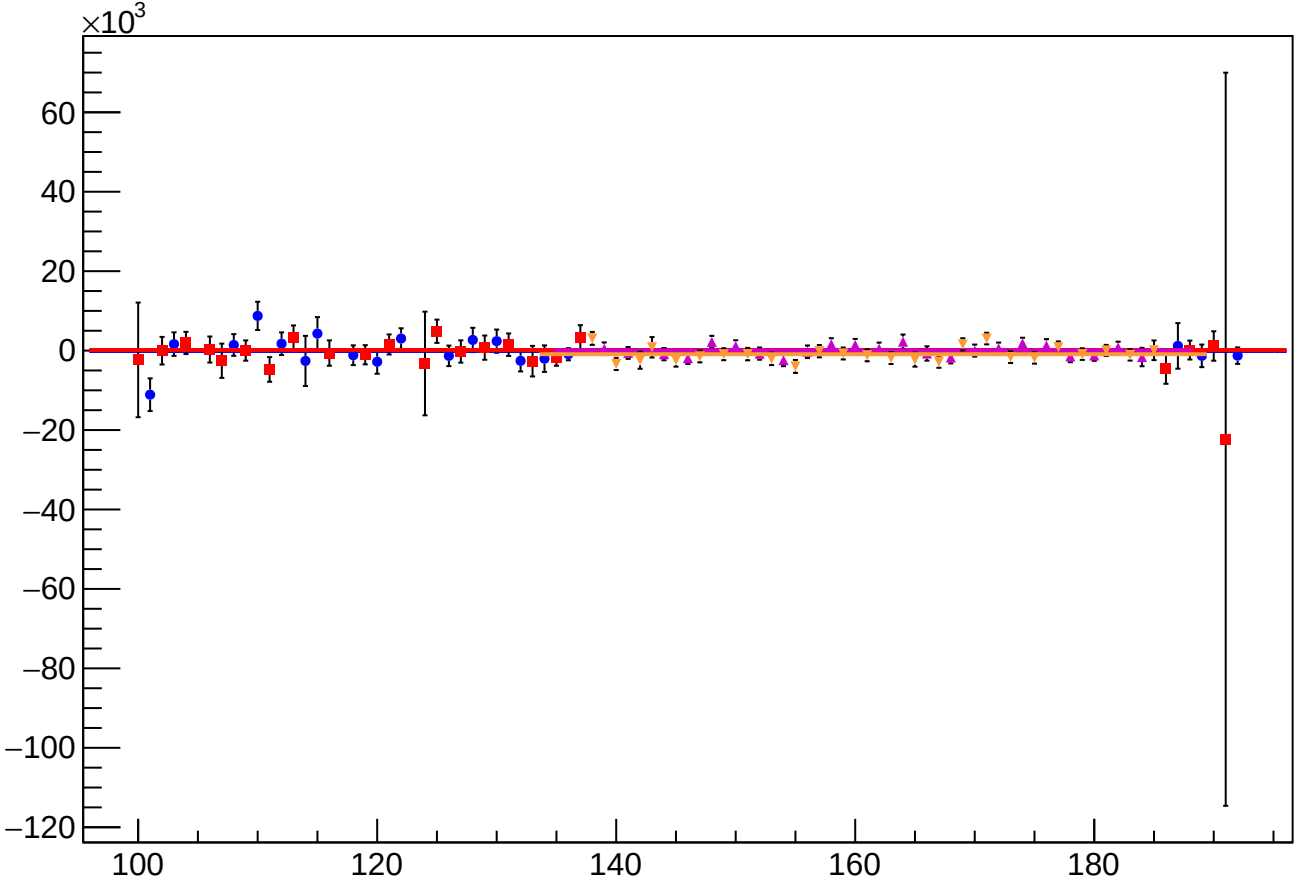
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1179.731+/-0.207 χ^2/NDF: 3785473.7/41

In: 672.140+/-0.096 χ^2/NDF:5276046.0/41

Out: 672.945+/-0.095 χ^2/NDF:7378034.7/47

All: 672.546+/-0.068 χ^2/NDF: 12654116.1/89



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: 146.551+/-651.156 χ^2/NDF: 11.9/22

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

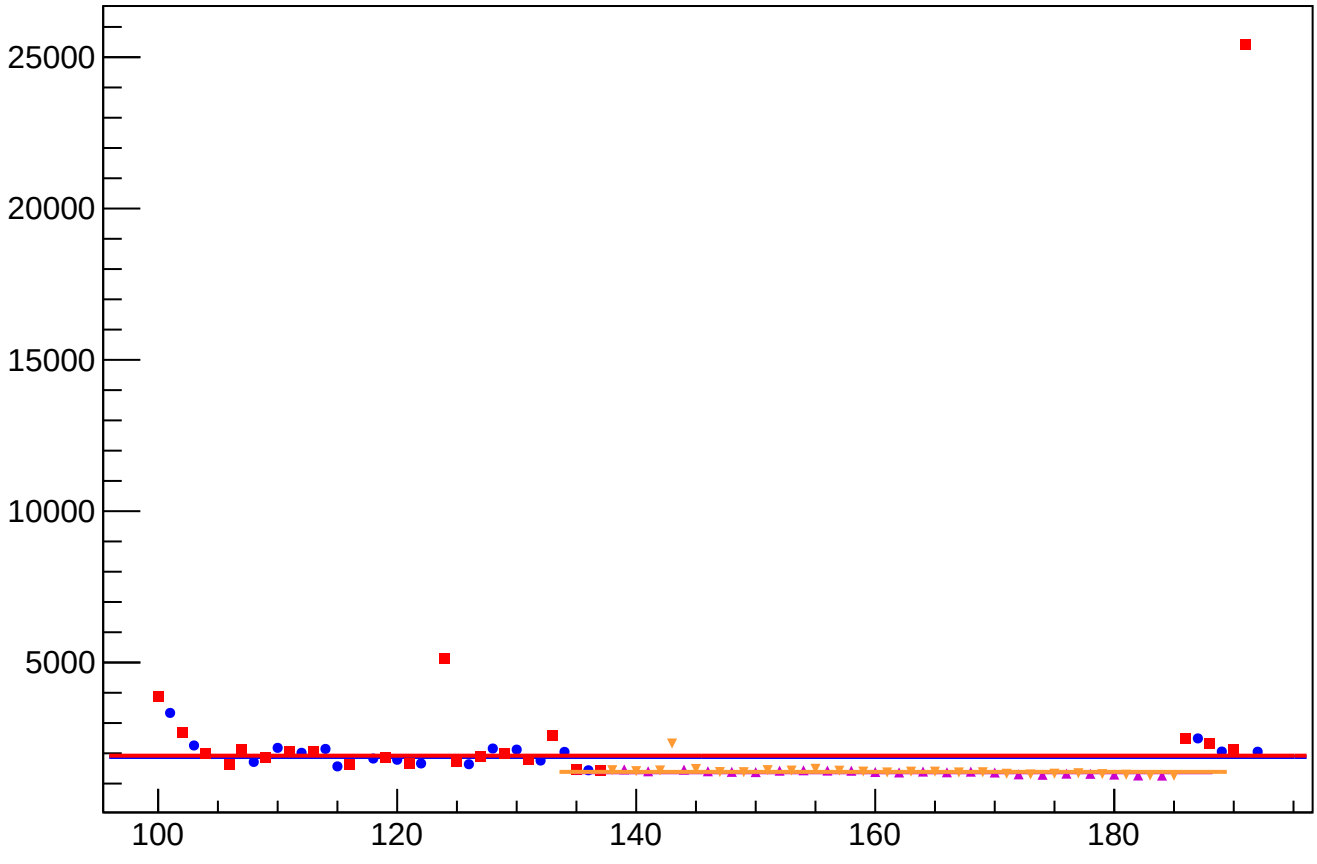
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: 27.749+/-456.923 χ^2/NDF: 33.9/41

In: 21.007+/-287.000 χ^2/NDF:39.8/41

Out: -699.967+/-284.619 χ^2/NDF:43.8/47

All: -342.483+/-202.093 χ^2/NDF: 86.8/89



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: 1922.161+/-0.460 χ^2/NDF: 774518.5/22

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

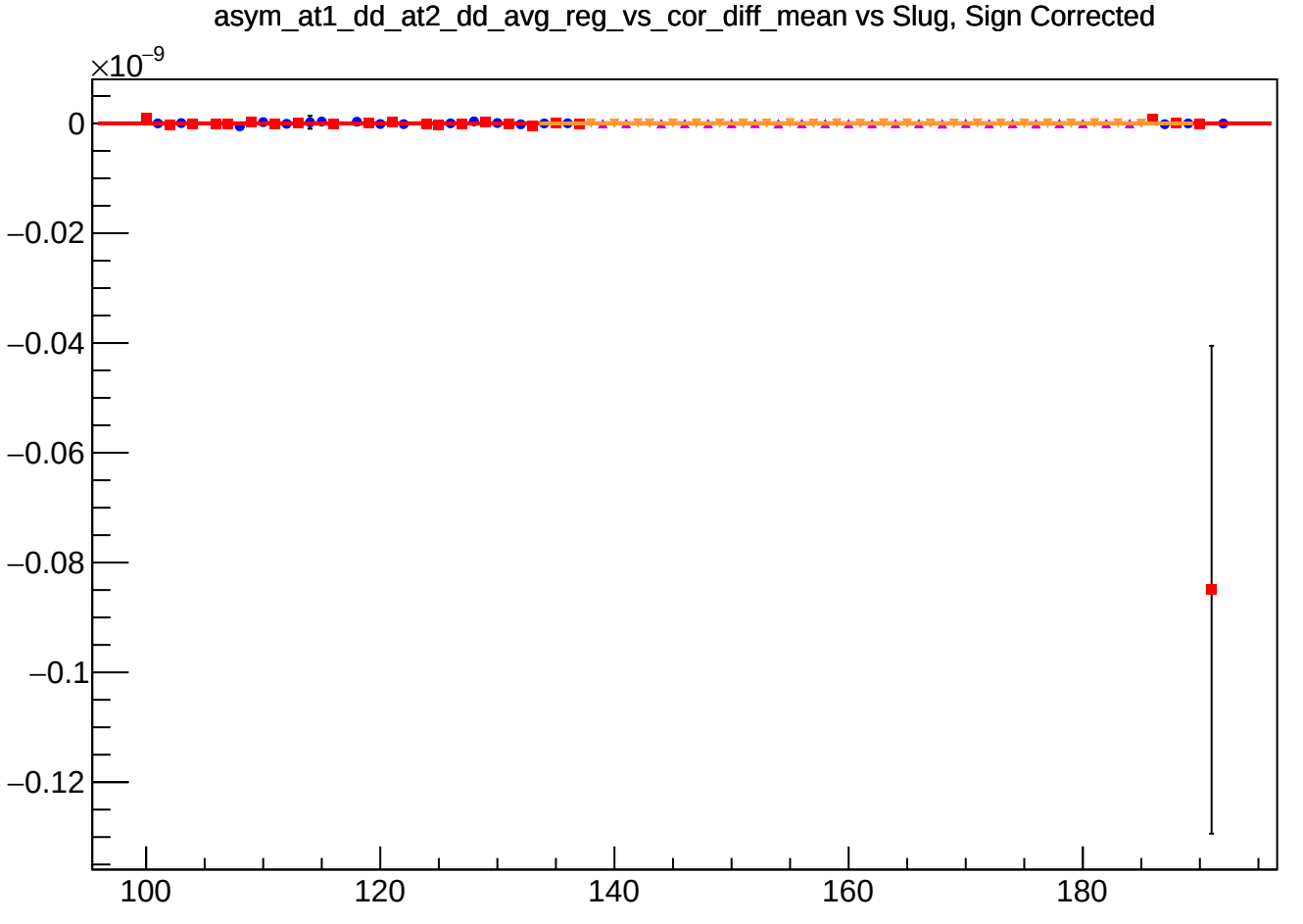
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1900.064+/-0.323 χ^2/NDF: 1386944.5/41

In: 1474.432+/-0.203 χ^2/NDF:1665711.6/41

Out: 1489.121+/-0.201 χ^2/NDF:2207787.8/47

All: 1481.838+/-0.143 χ^2/NDF: 3876140.8/89



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: 34.3/22

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

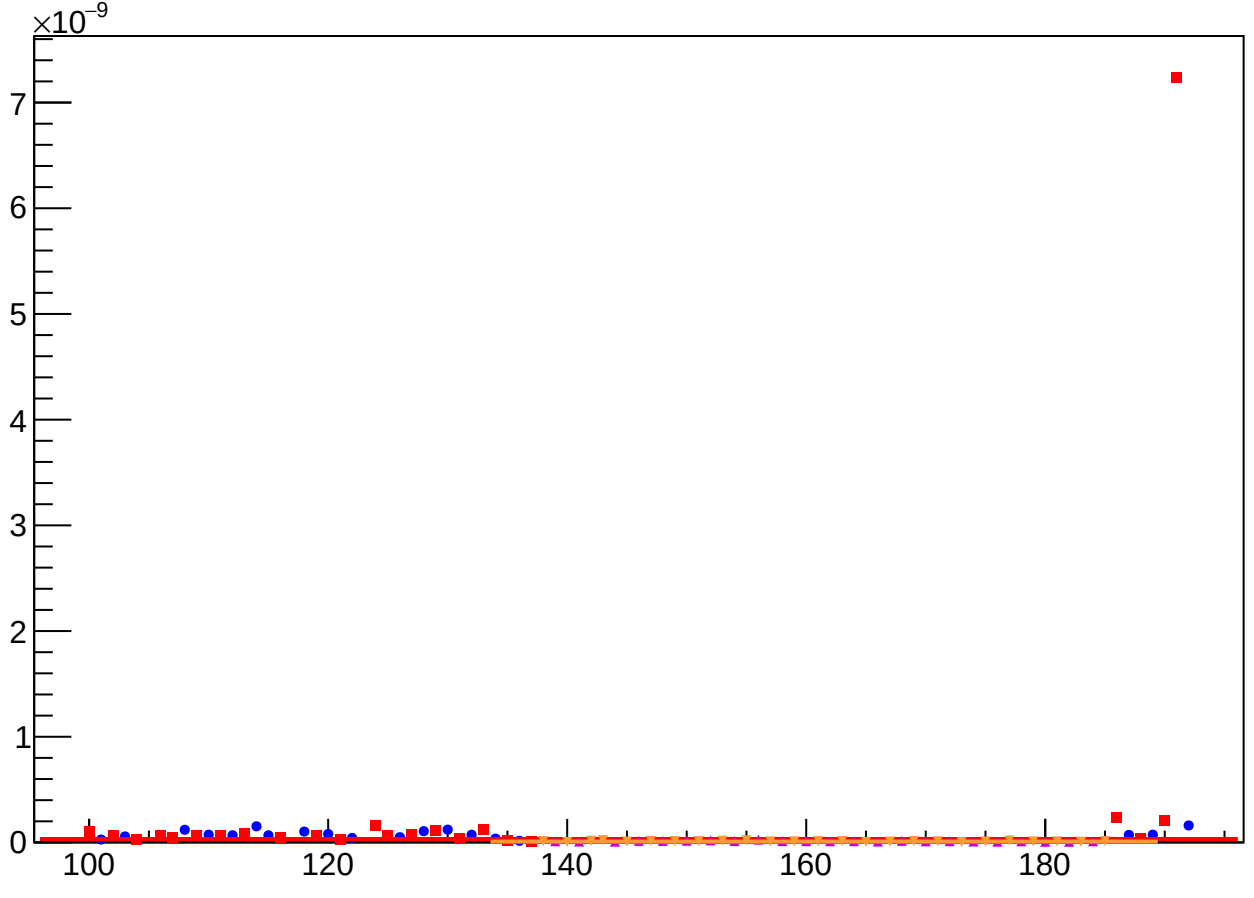
Right: 0.000+/-0.000 χ^2/NDF: 52.8/41

In: 0.000+/-0.000 χ^2/NDF:31.3/41

Out: 0.000+/-0.000 χ^2/NDF:59.9/47

All: 0.000+/-0.000 χ^2/NDF: 91.2/89

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3386043.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2974385.8/22

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

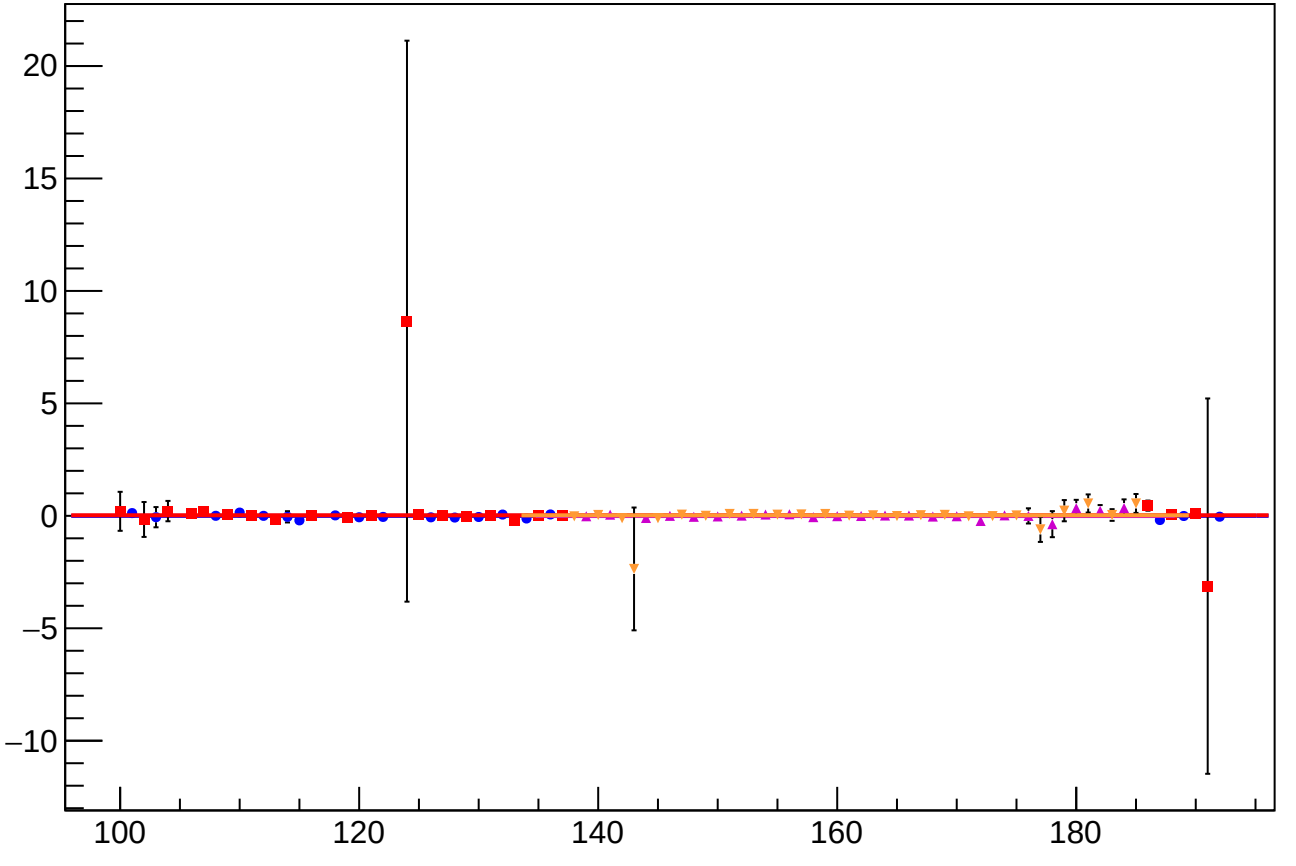
Right: 0.000+/-0.000 χ^2/NDF: 6405822.6/41

In: 0.000+/-0.000 χ^2/NDF:6368821.0/41

Out: 0.000+/-0.000 χ^2/NDF:7609924.4/47

All: 0.000+/-0.000 χ^2/NDF: 14253257.7/89

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: 0.025+/-0.015 χ^2/NDF: 18.9/22

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

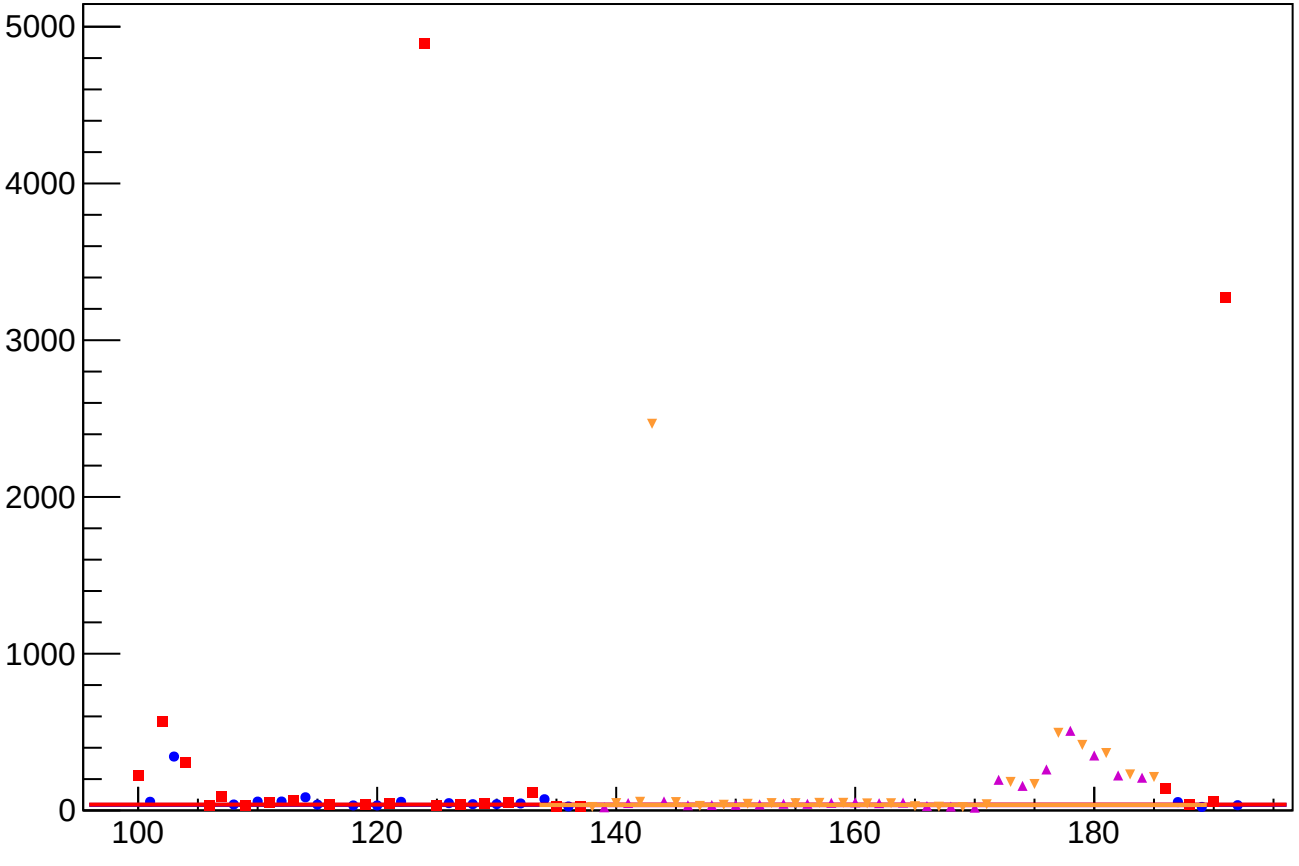
Right: 0.010+/-0.010 χ^2/NDF: 43.4/41

In: -0.007+/-0.008 χ^2/NDF:37.8/41

Out: 0.024+/-0.008 χ^2/NDF:41.8/47

All: 0.008+/-0.006 χ^2/NDF: 86.5/89

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: 37.613+/-0.011 χ^2/NDF: 4009545.5/22

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

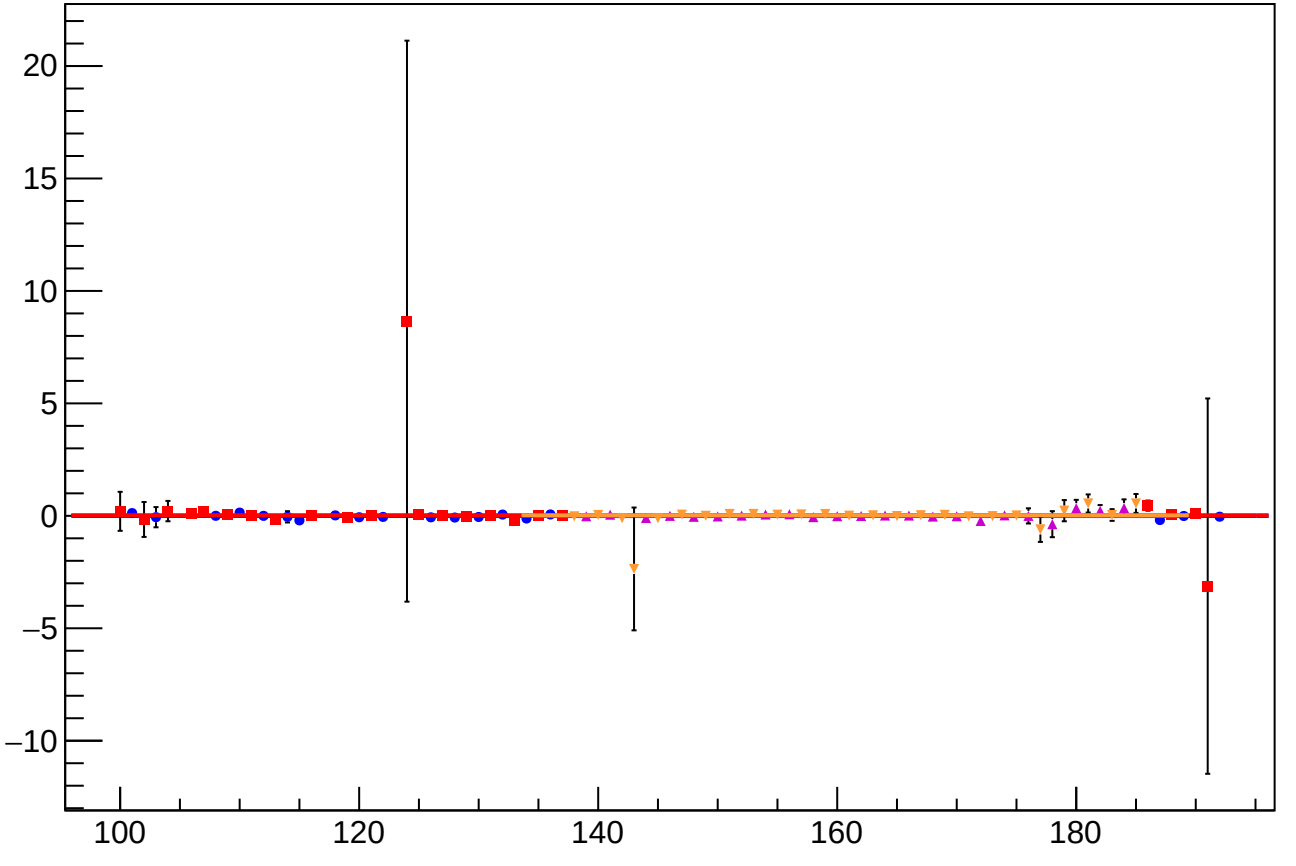
Right: 36.439+/-0.007 χ^2/NDF: 6290656.2/41

In: 34.229+/-0.006 χ^2/NDF:12350772.2/41

Out: 35.553+/-0.006 χ^2/NDF:15465384.5/47

All: 34.859+/-0.004 χ^2/NDF: 27841788.7/89

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: 0.025+/-0.015 χ^2/NDF: 18.9/22

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

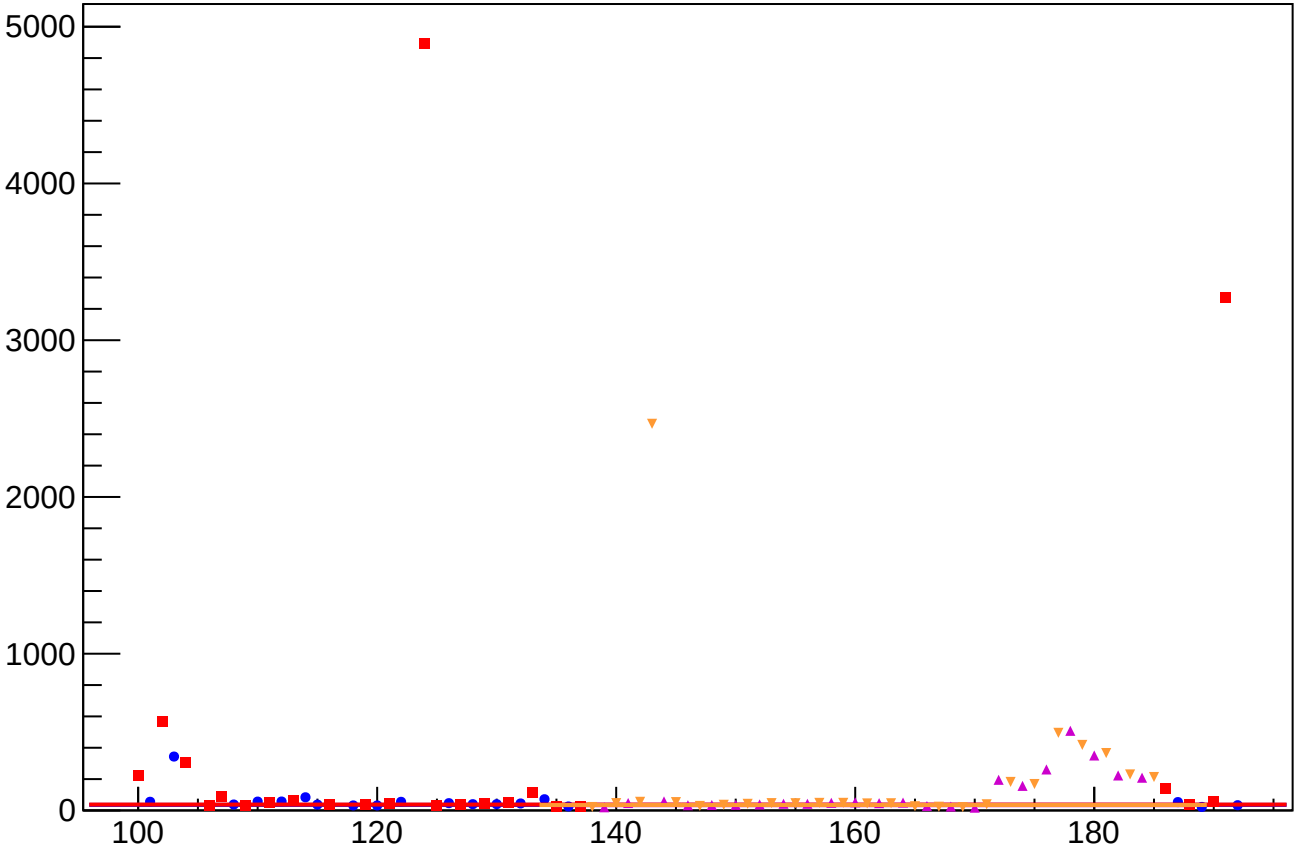
Right: 0.010+/-0.010 χ^2/NDF: 43.4/41

In: -0.007+/-0.008 χ^2/NDF:37.8/41

Out: 0.024+/-0.008 χ^2/NDF:41.8/47

All: 0.008+/-0.006 χ^2/NDF: 86.5/89

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: 37.613+/-0.011 χ^2/NDF: 4009545.5/22

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

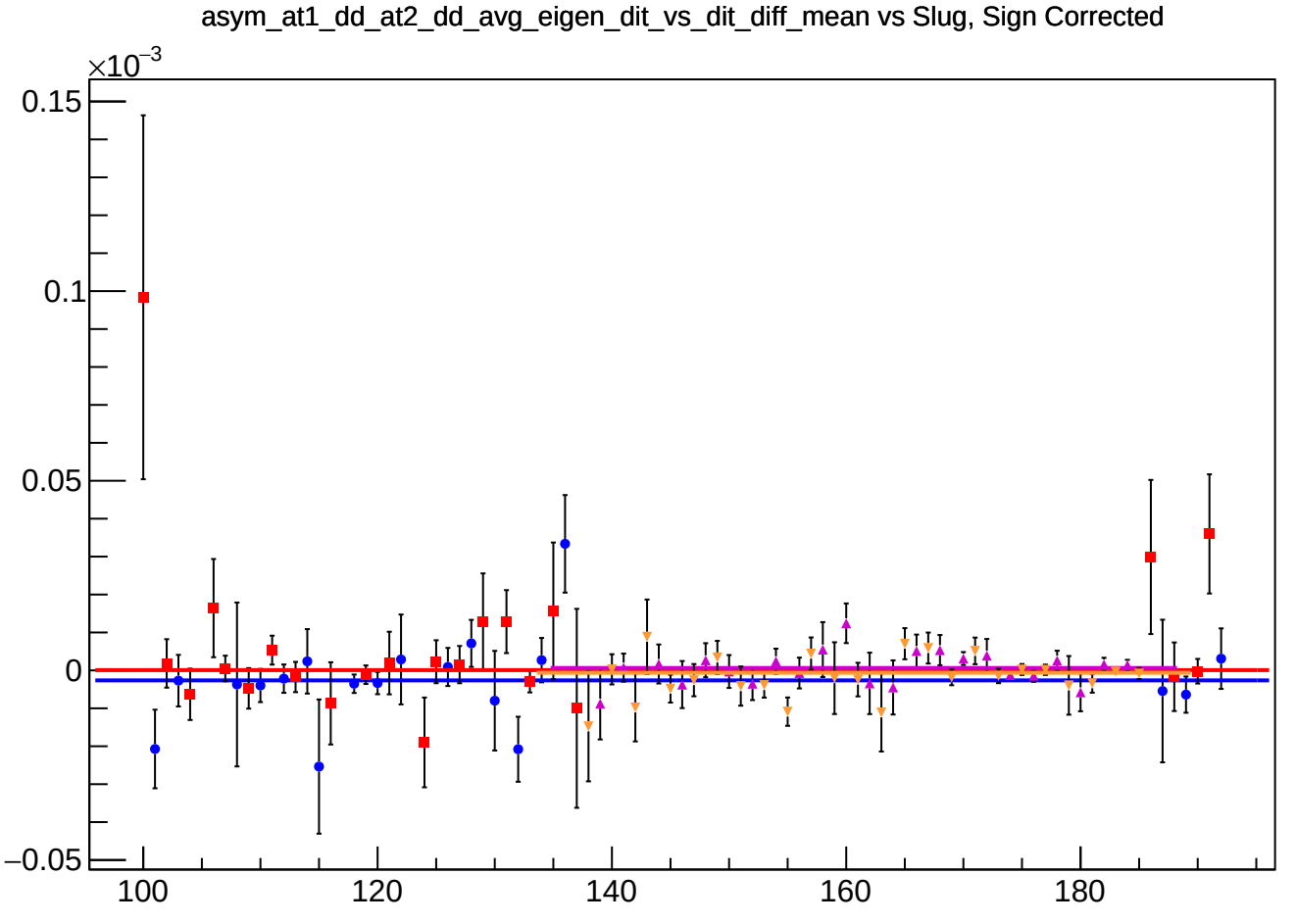
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 36.439+/-0.007 χ^2/NDF: 6290656.2/41

In: 34.229+/-0.006 χ^2/NDF:12350772.2/41

Out: 35.553+/-0.006 χ^2/NDF:15465384.5/47

All: 34.859+/-0.004 χ^2/NDF: 27841788.7/89



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: 26.3/22

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

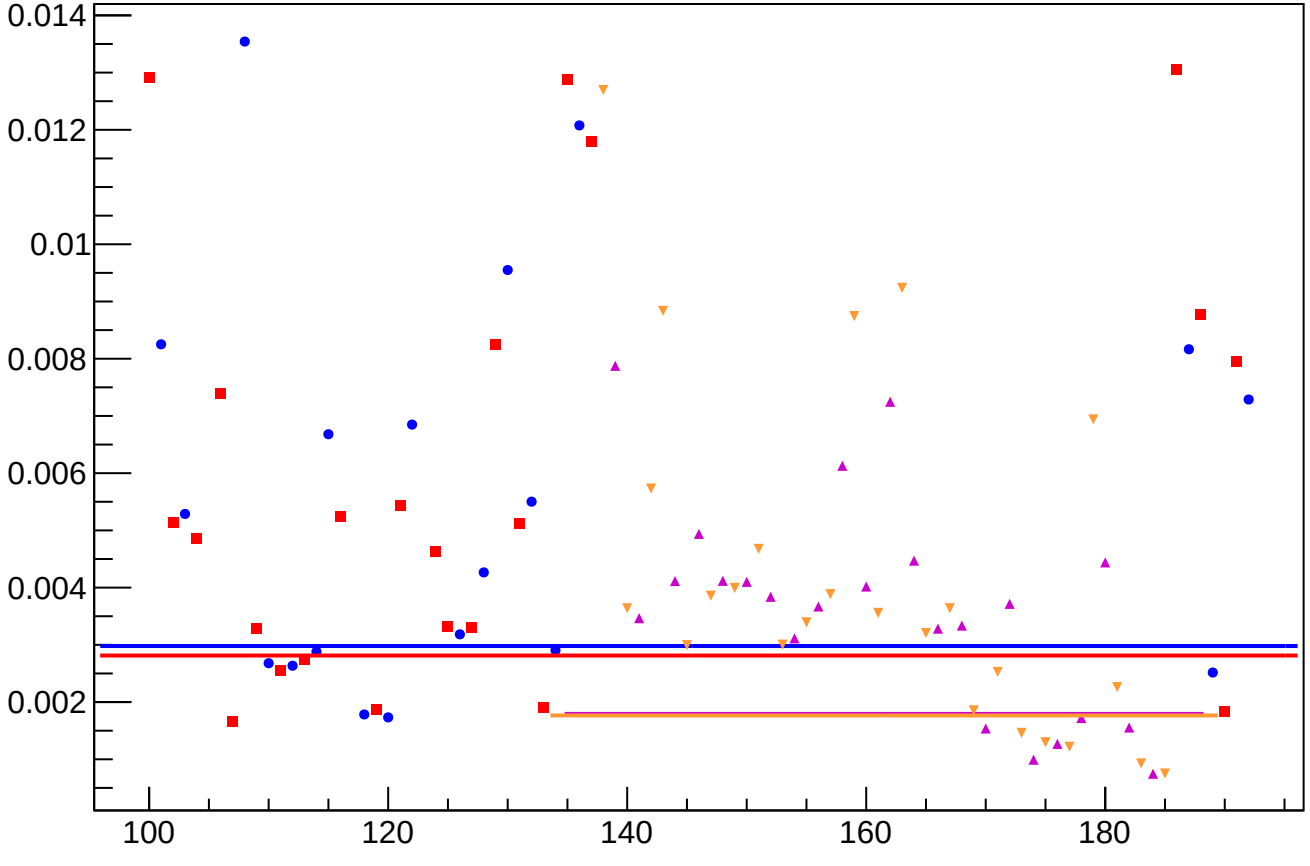
Right: -0.000+/-0.000 χ^2/NDF: 52.0/41

In: 0.000+/-0.000 χ^2/NDF:50.8/41

Out: -0.000+/-0.000 χ^2/NDF:55.1/47

All: -0.000+/-0.000 χ^2/NDF: 106.6/89

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: 5087953.2/22

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

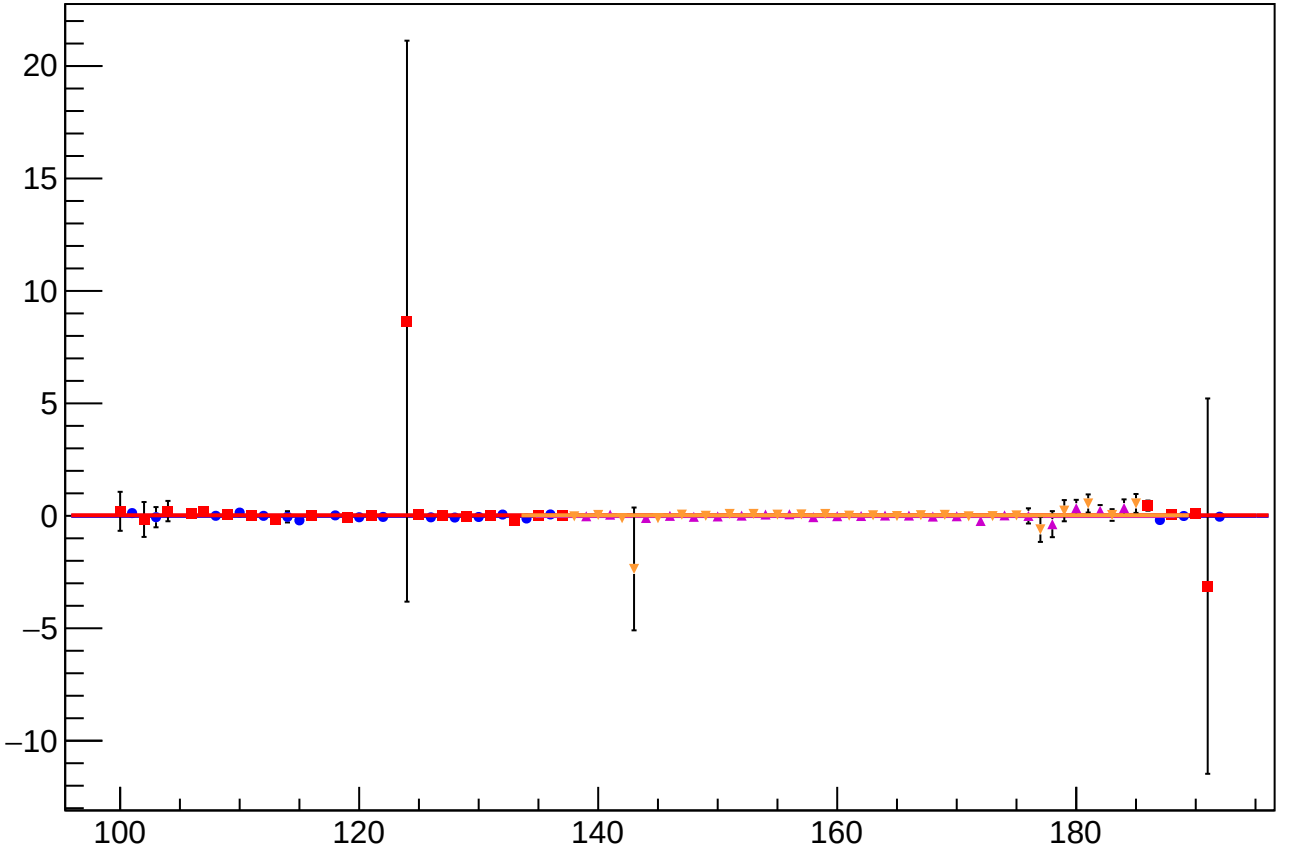
Right: 0.003+/-0.000 χ^2/NDF: 10026986.6/41

In: 0.002+/-0.000 χ^2/NDF:17219452.6/41

Out: 0.002+/-0.000 χ^2/NDF:19523512.6/47

All: 0.002+/-0.000 χ^2/NDF: 36746713.4/89

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: 0.025+/-0.015 χ^2/NDF: 18.9/22

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

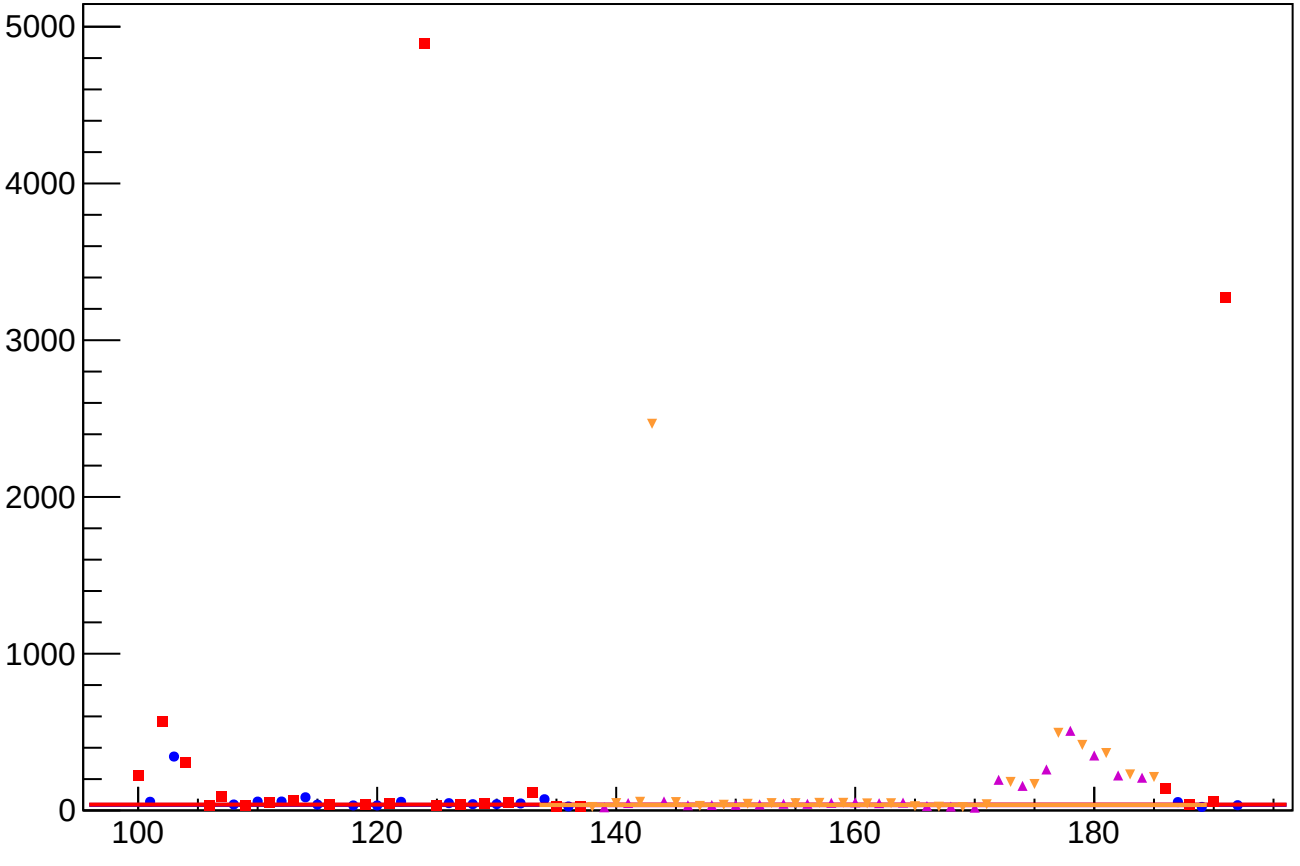
Right: 0.010+/-0.010 χ^2/NDF: 43.4/41

In: -0.007+/-0.008 χ^2/NDF:37.8/41

Out: 0.024+/-0.008 χ^2/NDF:41.8/47

All: 0.008+/-0.006 χ^2/NDF: 86.5/89

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: 37.615+/-0.011 χ^2/NDF: 4009219.7/22

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

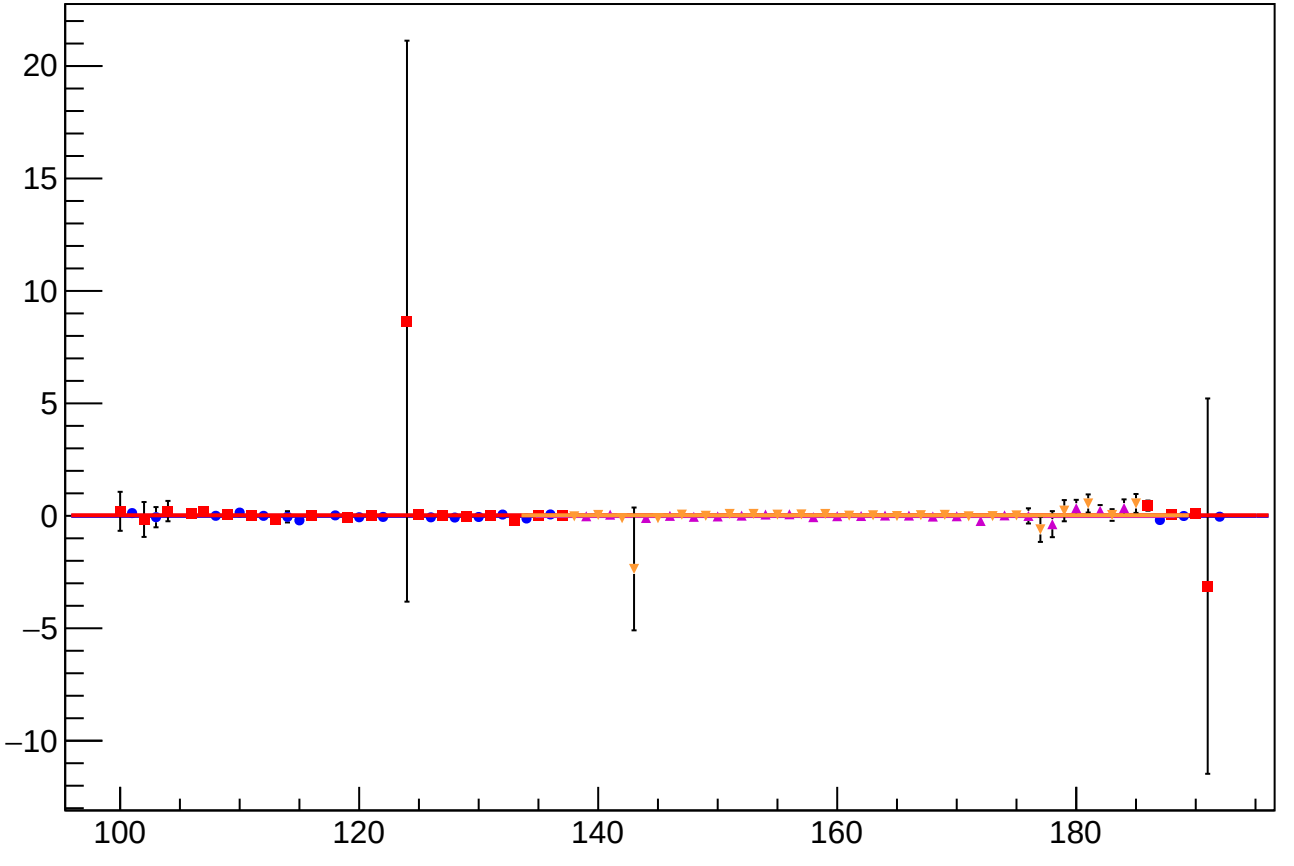
Right: 36.441+/-0.007 χ^2/NDF: 6289680.9/41

In: 34.231+/-0.006 χ^2/NDF:12348857.2/41

Out: 35.553+/-0.006 χ^2/NDF:15465275.1/47

All: 34.860+/-0.004 χ^2/NDF: 27839671.0/89

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: 0.025+/-0.015 χ^2/NDF: 18.9/22

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

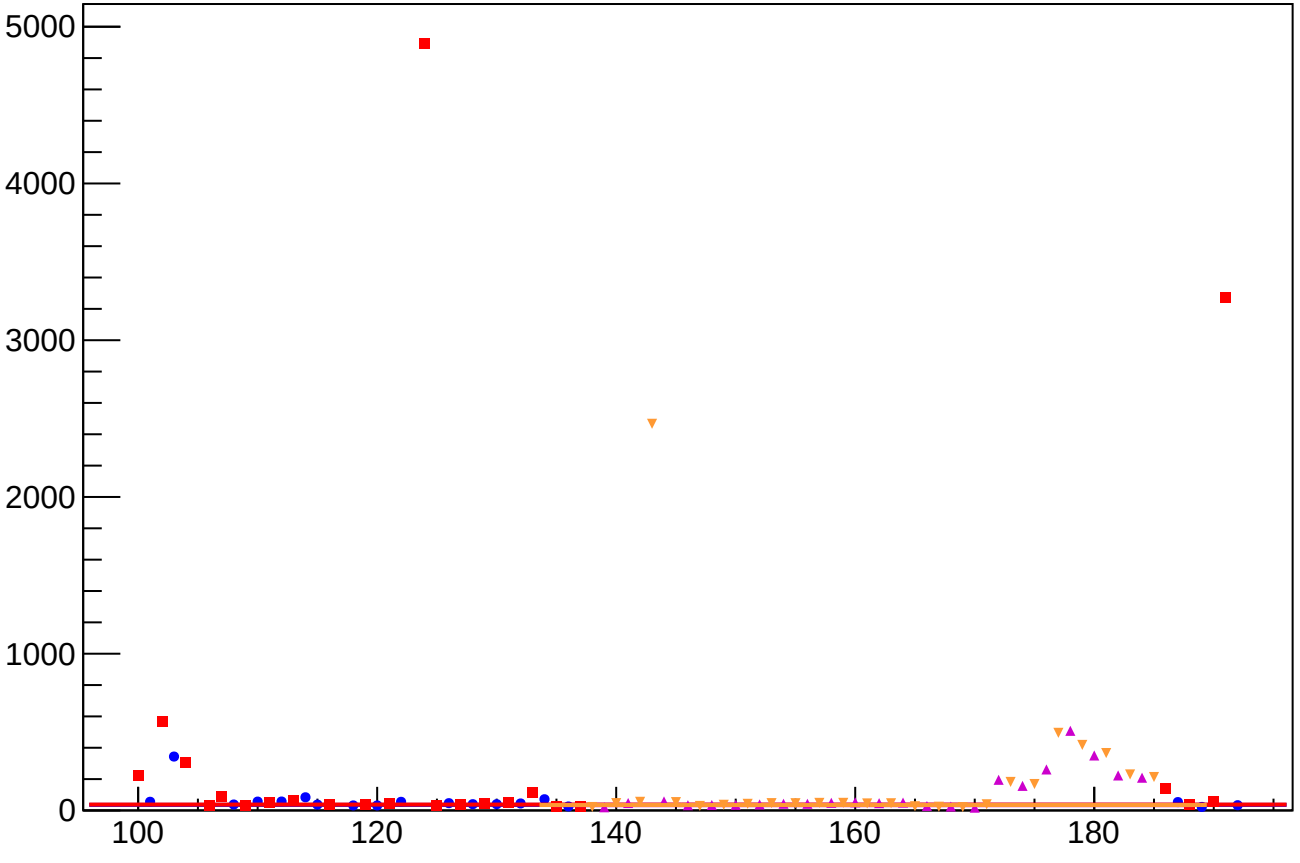
Right: 0.010+/-0.010 χ^2/NDF: 43.4/41

In: -0.007+/-0.008 χ^2/NDF:37.8/41

Out: 0.024+/-0.008 χ^2/NDF:41.8/47

All: 0.008+/-0.006 χ^2/NDF: 86.5/89

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: 37.615+/-0.011 χ^2/NDF: 4009219.7/22

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

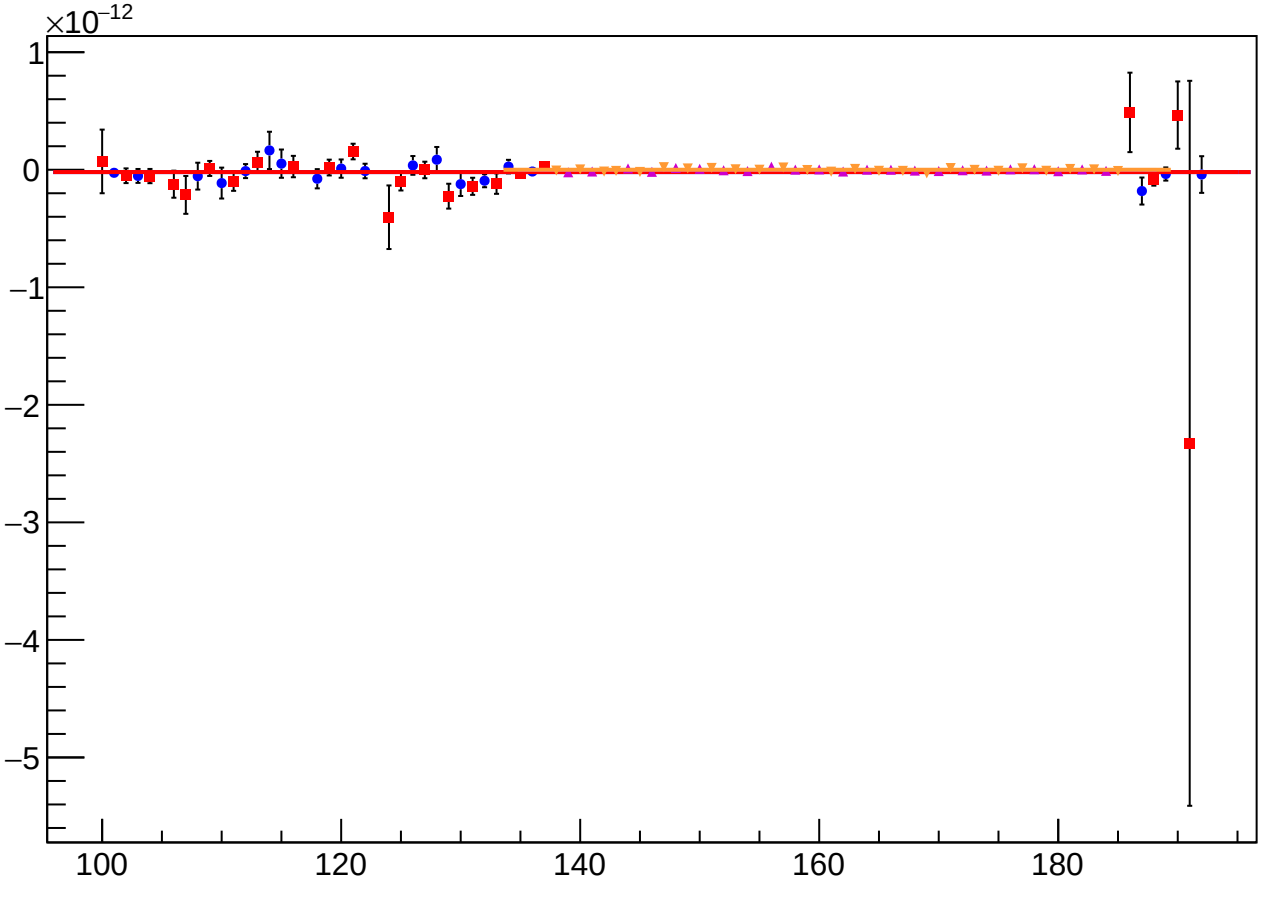
Right: 36.441+/-0.007 χ^2/NDF: 6289680.9/41

In: 34.231+/-0.006 χ^2/NDF:12348857.2/41

Out: 35.553+/-0.006 χ^2/NDF:15465275.1/47

All: 34.860+/-0.004 χ^2/NDF: 27839671.0/89

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: 34.7/22

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

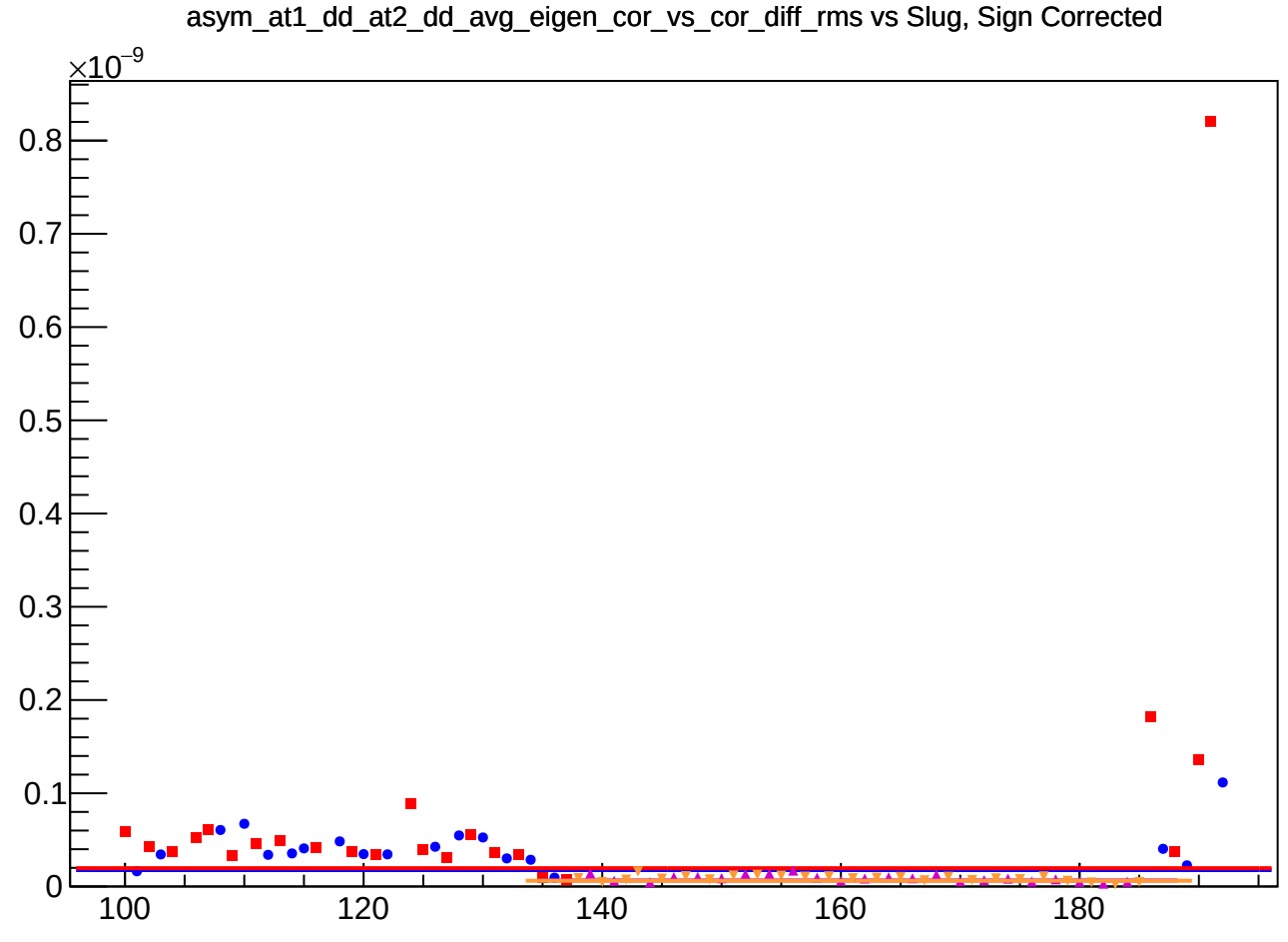
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 45.1/41

In: -0.000+/-0.000 χ^2/NDF:33.6/41

Out: -0.000+/-0.000 χ^2/NDF:63.9/47

All: -0.000+/-0.000 χ^2/NDF: 98.0/89



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: 4876878.7/22

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

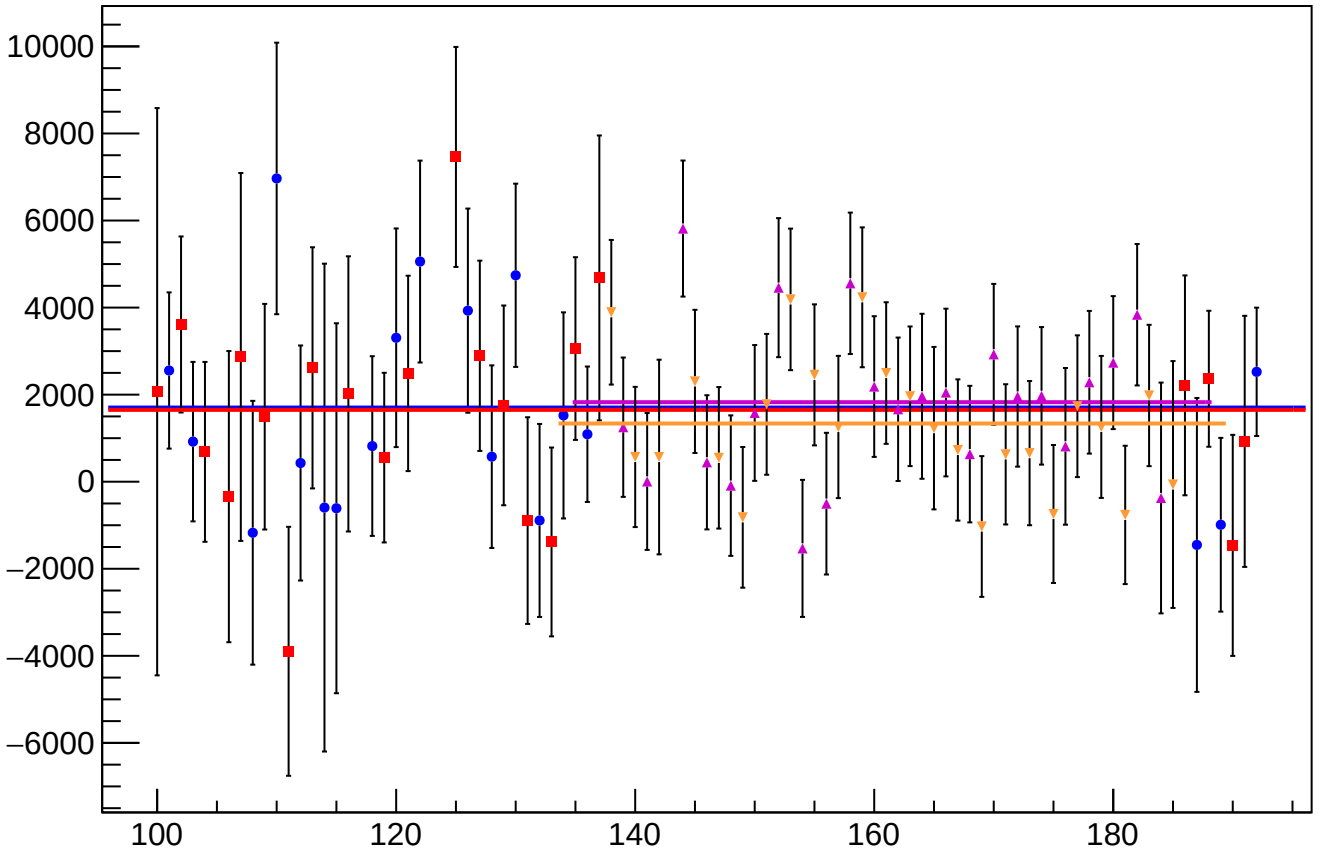
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8952124.2/41

In: 0.000+/-0.000 χ^2/NDF:10561319.0/41

Out: 0.000+/-0.000 χ^2/NDF:12954621.5/47

All: 0.000+/-0.000 χ^2/NDF: 23544447.2/89



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: 1650.330+/-518.520 χ^2/NDF: 17.8/21

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

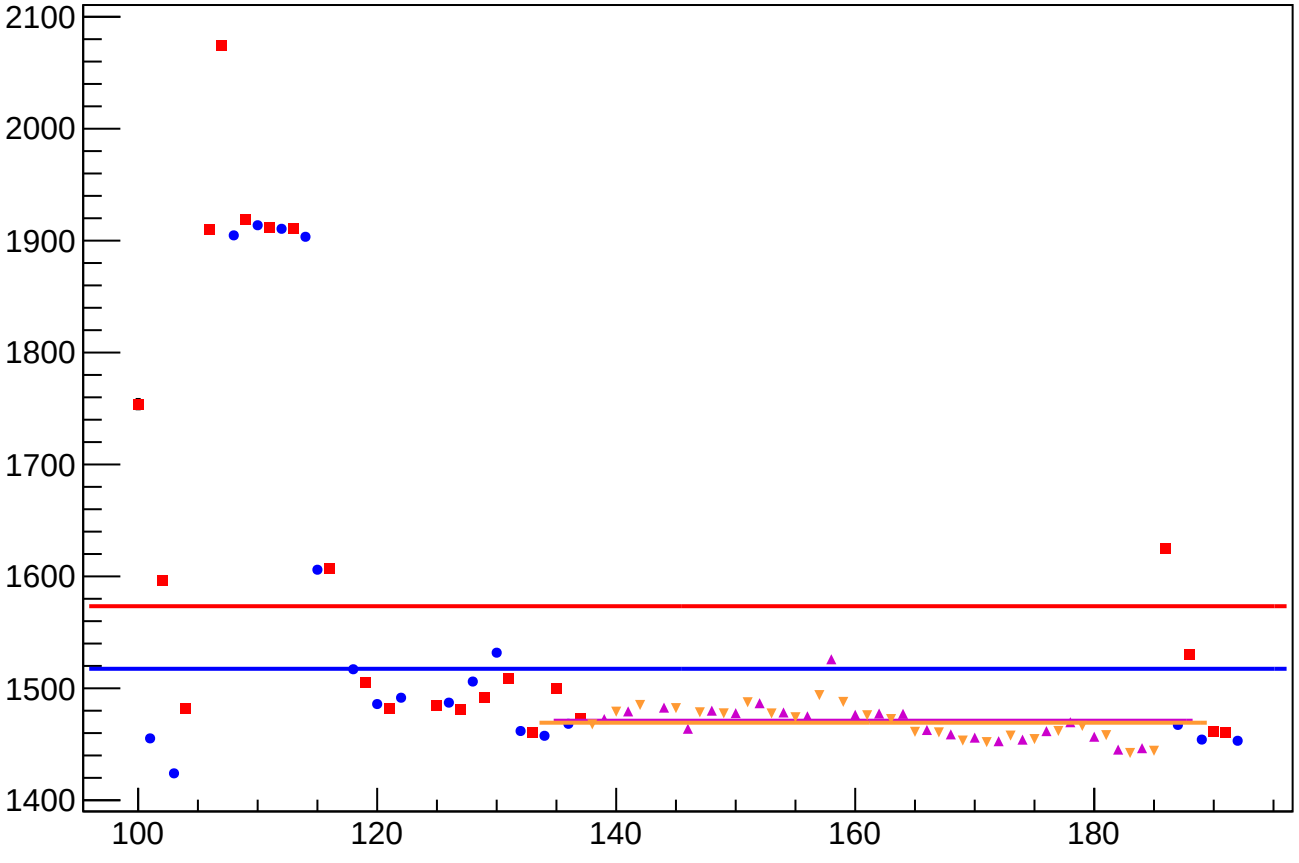
Right: 1677.243+/-363.412 χ^2/NDF: 33.1/40

In: 1788.046+/-284.804 χ^2/NDF:41.8/41

Out: 1431.610+/-284.918 χ^2/NDF:37.3/45

All: 1609.899+/-201.427 χ^2/NDF: 79.9/87

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: 1573.365+/-0.367 χ^2/NDF: 182439.8/21

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

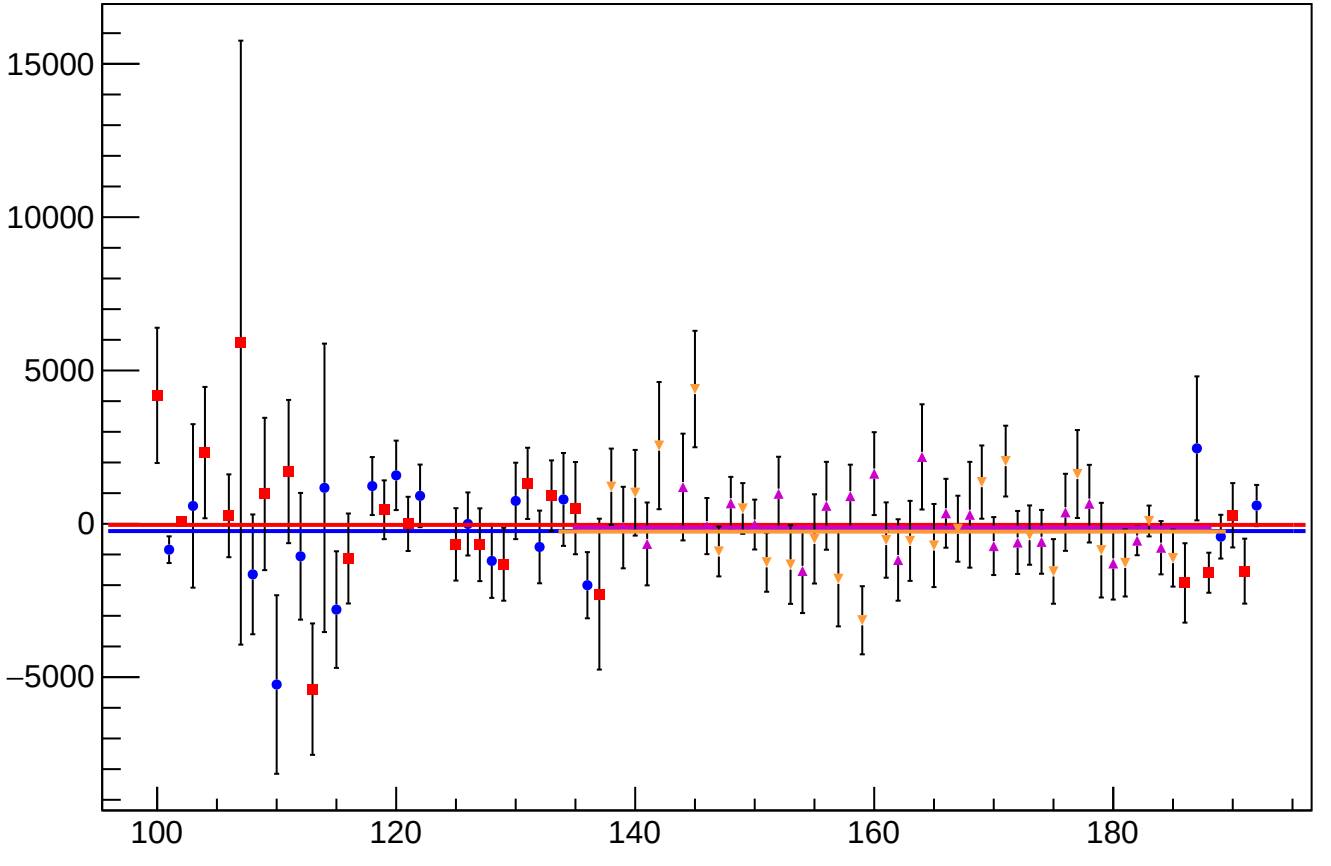
Right: 1544.913+/-0.257 χ^2/NDF: 331429.2/40

In: 1485.550+/-0.201 χ^2/NDF:153196.5/41

Out: 1500.697+/-0.201 χ^2/NDF:241866.1/45

All: 1493.121+/-0.142 χ^2/NDF: 397890.0/87

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: -35.331+/-123.033 χ^2/NDF: 28.3/21

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

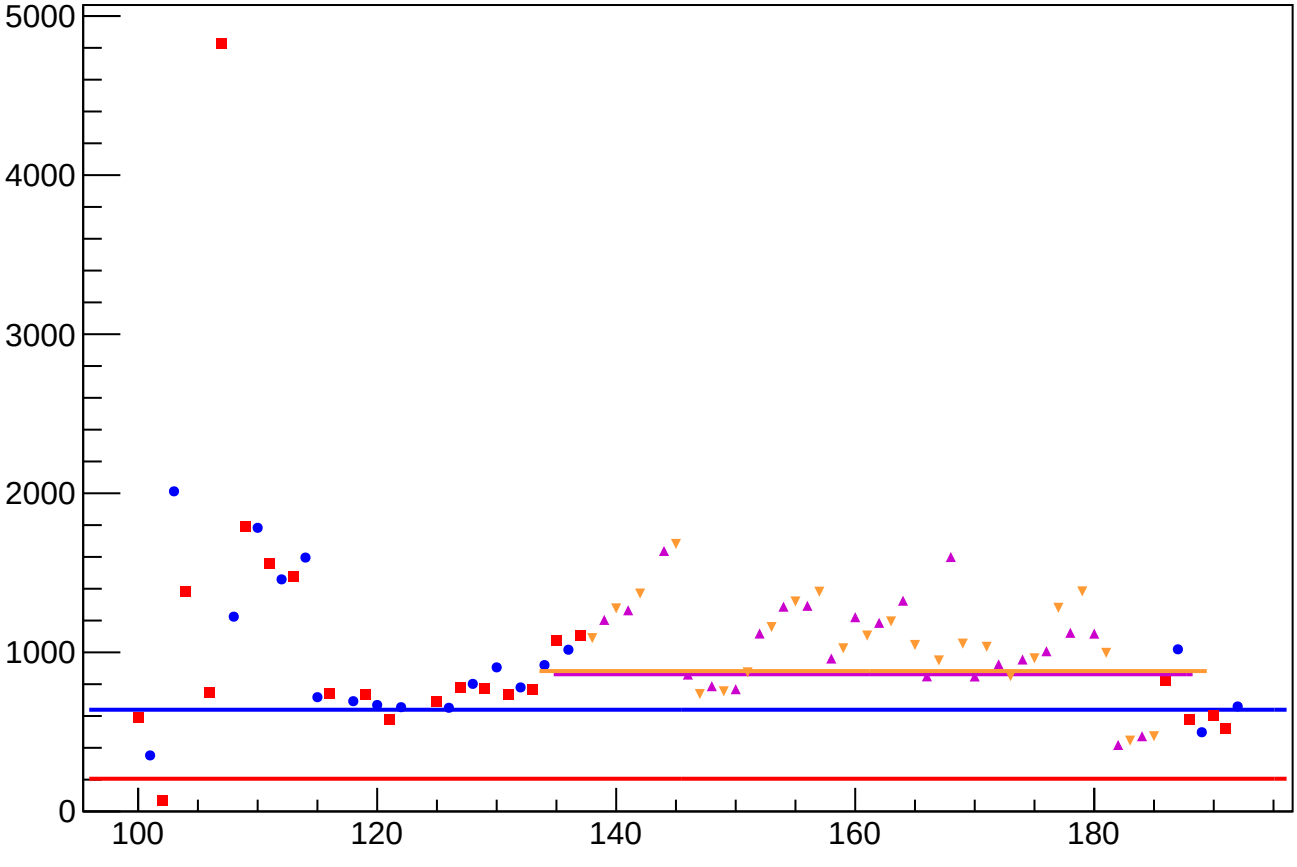
Right: -78.156+/-109.163 χ^2/NDF: 50.3/40

In: -172.878+/-159.531 χ^2/NDF:34.4/41

Out: -87.444+/-107.191 χ^2/NDF:61.7/45

All: -114.018+/-88.972 χ^2/NDF: 96.3/87

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



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: 205.690+/-0.087 χ^2/NDF: 11455625.8/21

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

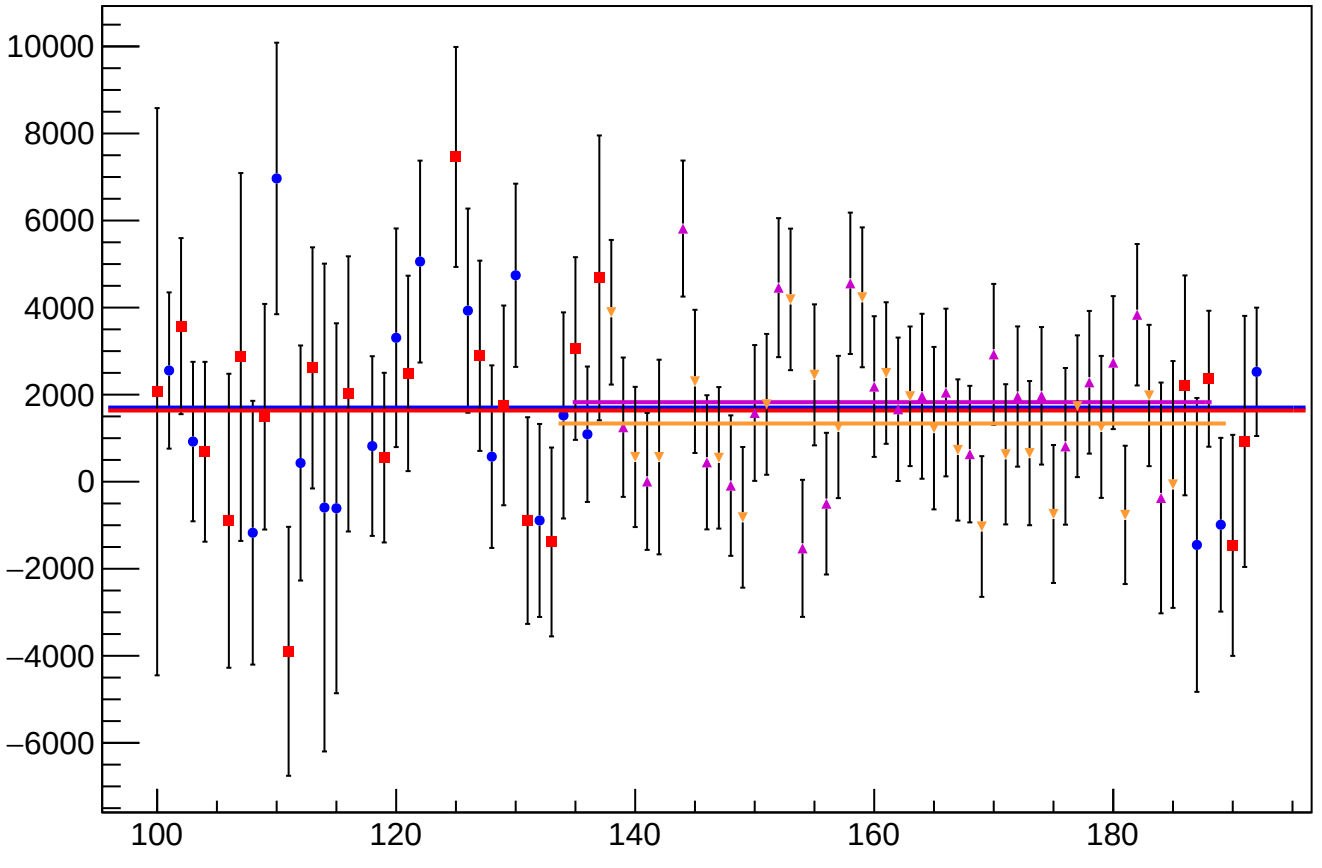
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 297.970+/-0.077 χ^2/NDF: 19643286.3/40

In: 761.022+/-0.113 χ^2/NDF:8236715.3/41

Out: 368.752+/-0.076 χ^2/NDF:29936984.4/45

All: 490.764+/-0.063 χ^2/NDF: 46504851.0/87



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: 1635.637+/-518.643 χ^2/NDF: 18.0/21

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

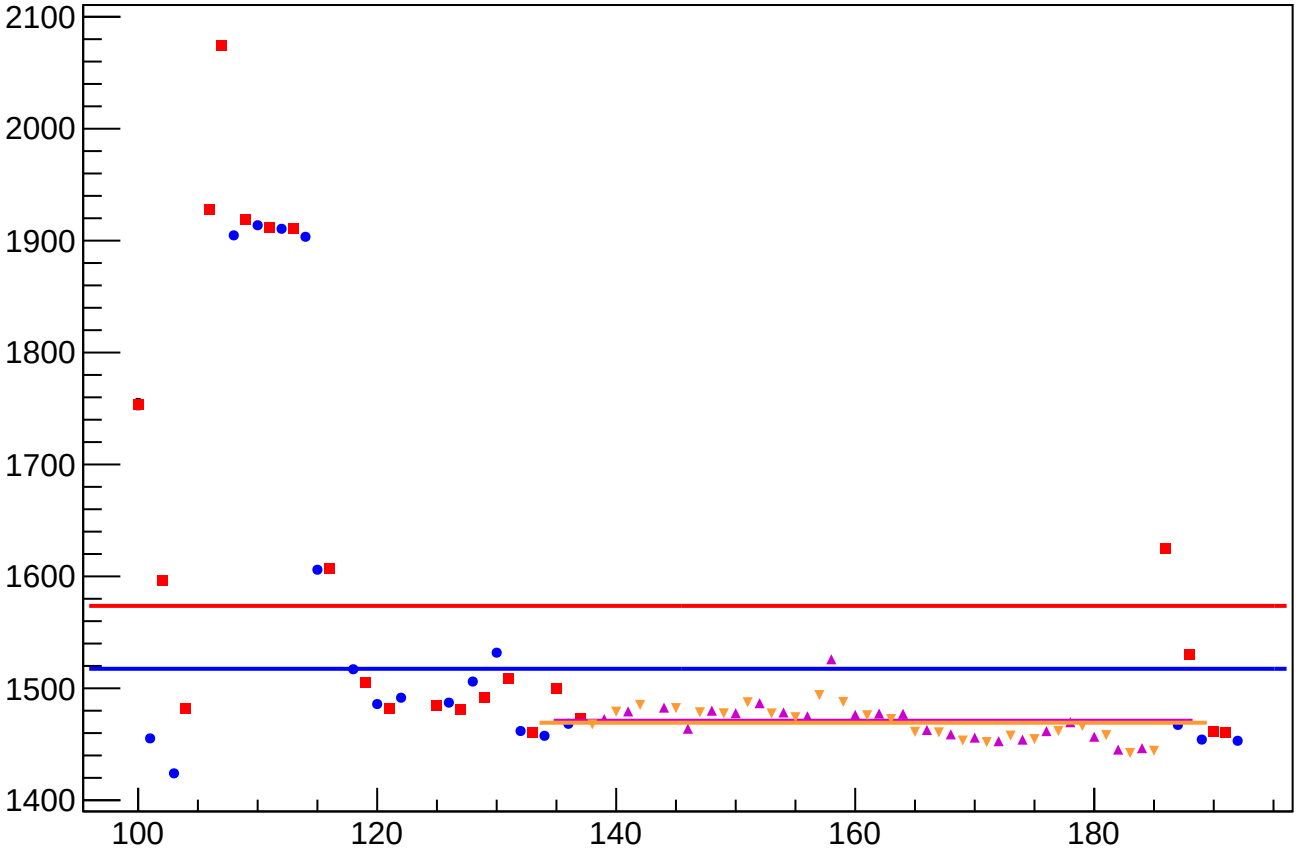
Right: 1670.091+/-363.454 χ^2/NDF: 33.3/40

In: 1788.113+/-284.804 χ^2/NDF:41.8/41

Out: 1427.151+/-284.938 χ^2/NDF:37.4/45

All: 1607.717+/-201.434 χ^2/NDF: 80.1/87

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: 1573.656+/-0.367 χ^2/NDF: 184280.3/21

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

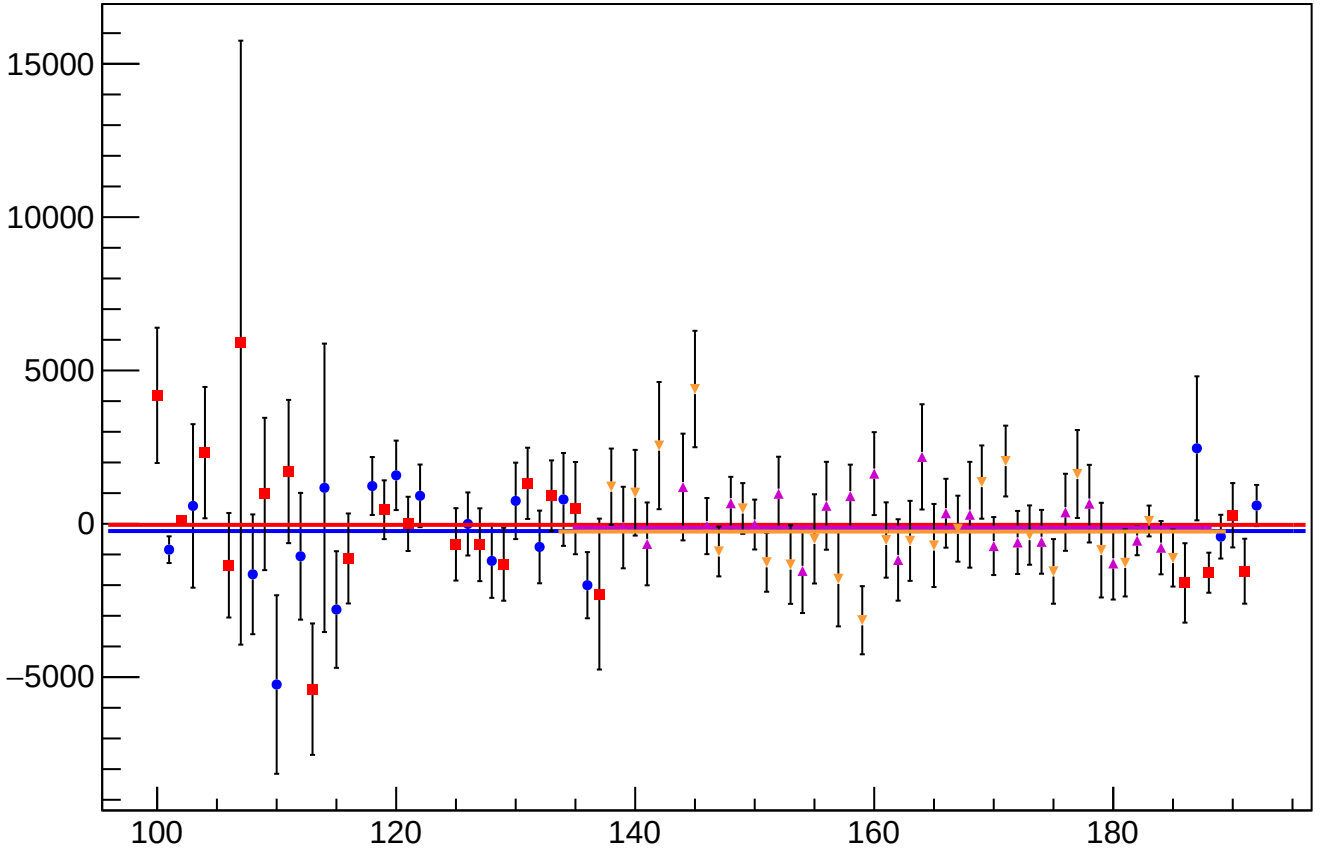
Right: 1545.049+/-0.257 χ^2/NDF: 333390.3/40

In: 1485.550+/-0.201 χ^2/NDF:153196.5/41

Out: 1500.775+/-0.201 χ^2/NDF:244003.0/45

All: 1493.159+/-0.142 χ^2/NDF: 400055.6/87

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: -34.848+/-132.284 χ^2/NDF: 29.1/21

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

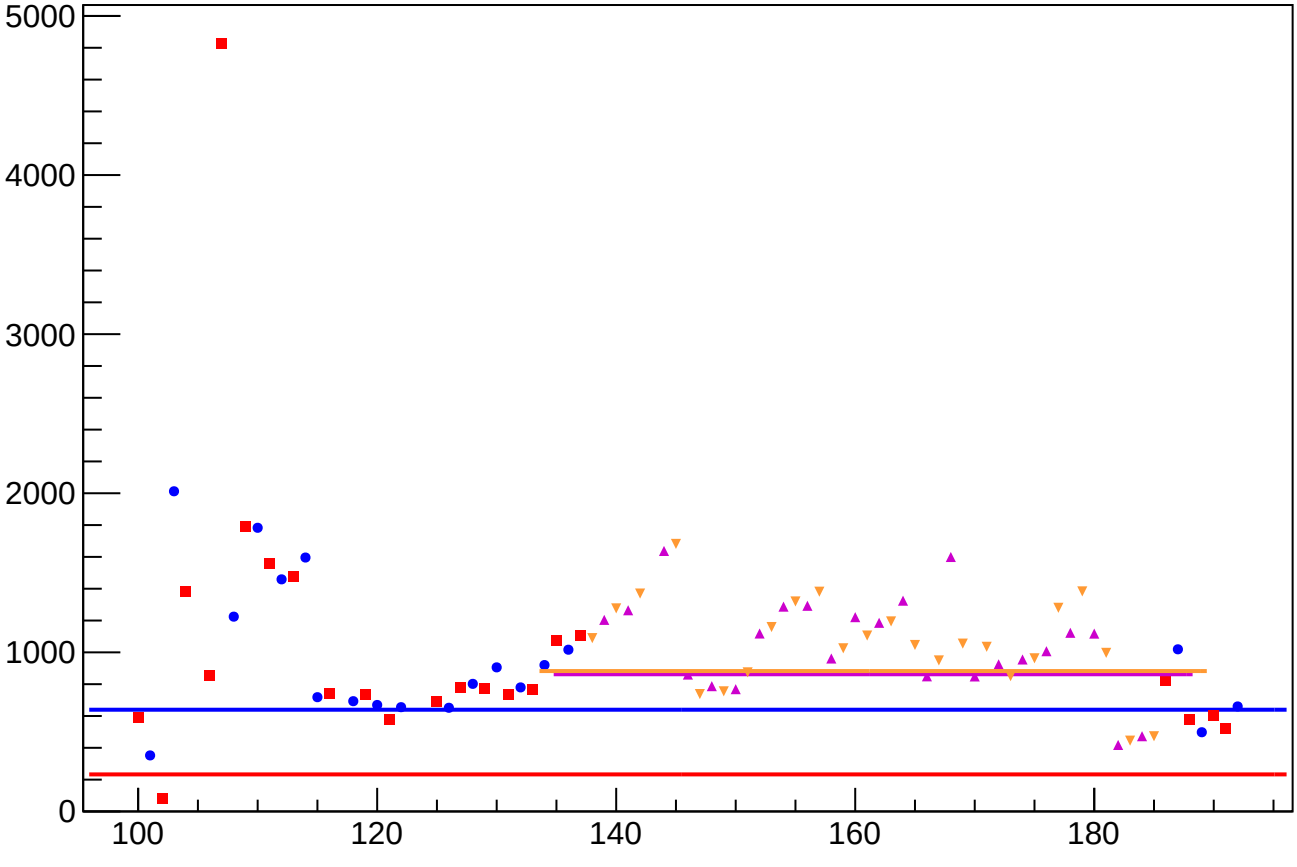
Right: -82.865+/-115.470 χ^2/NDF: 51.1/40

In: -172.876+/-159.531 χ^2/NDF:34.4/41

Out: -93.034+/-113.143 χ^2/NDF:62.5/45

All: -119.754+/-92.288 χ^2/NDF: 97.1/87

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: 232.911+/-0.094 χ^2/NDF: 10782452.5/21

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

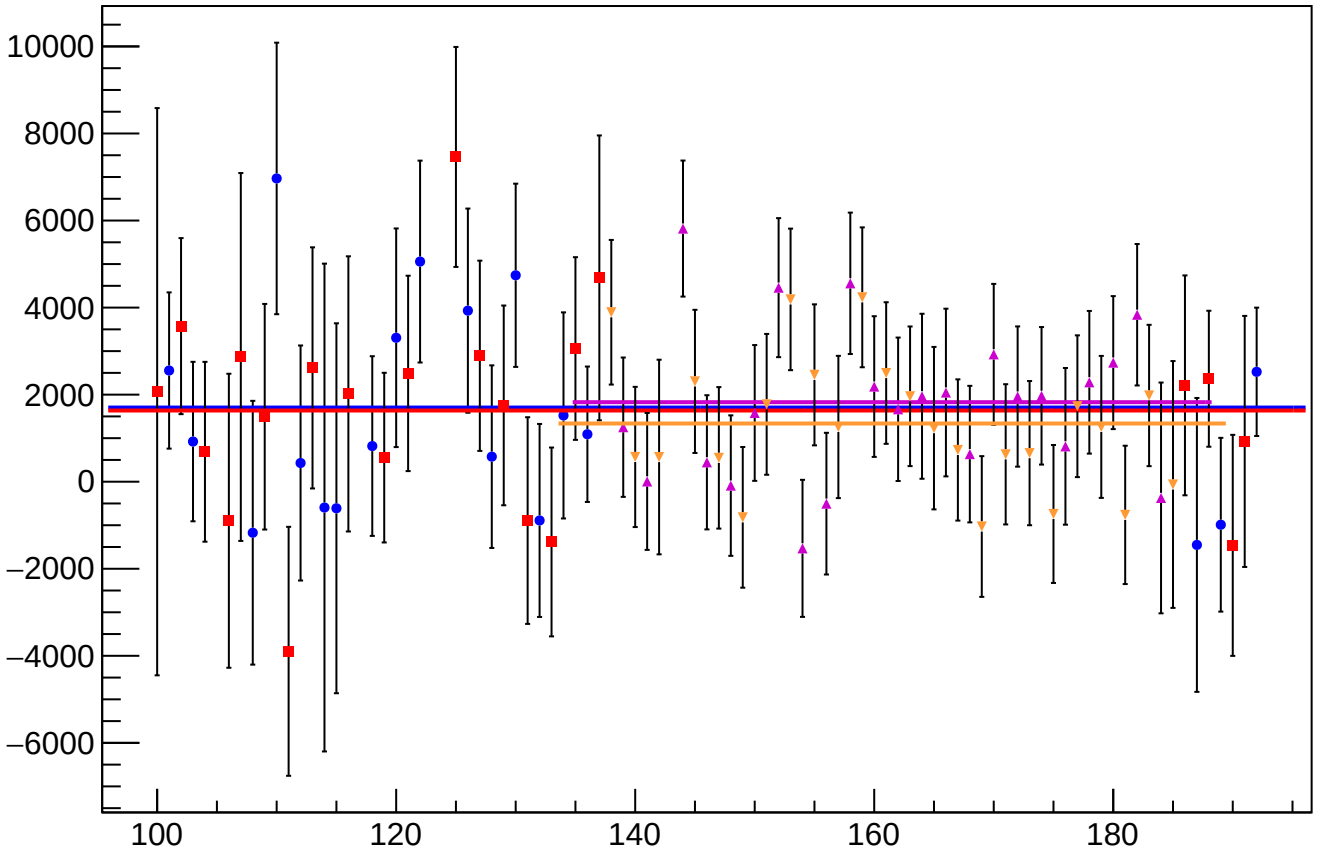
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 329.681+/-0.082 χ^2/NDF: 18177899.0/40

In: 761.022+/-0.113 χ^2/NDF:8236807.1/41

Out: 407.276+/-0.080 χ^2/NDF:27627881.3/45

All: 525.661+/-0.065 χ^2/NDF: 42407506.0/87



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: 1635.637+/-518.643 χ^2/NDF: 18.0/21

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

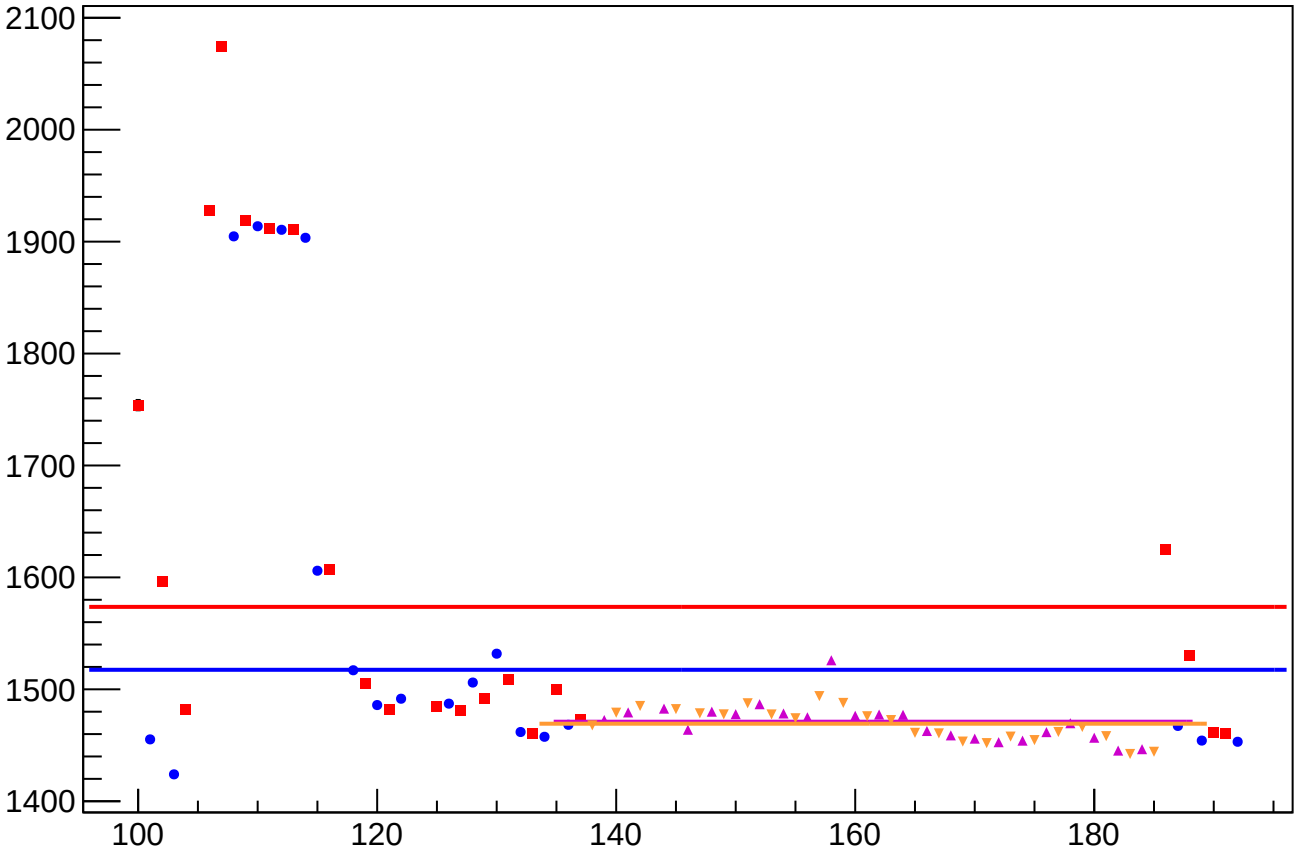
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1670.091+/-363.454 χ^2/NDF: 33.3/40

In: 1788.113+/-284.804 χ^2/NDF:41.8/41

Out: 1427.151+/-284.938 χ^2/NDF:37.4/45

All: 1607.717+/-201.434 χ^2/NDF: 80.1/87



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: 1573.656+/-0.367 χ^2/NDF: 184280.3/21

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

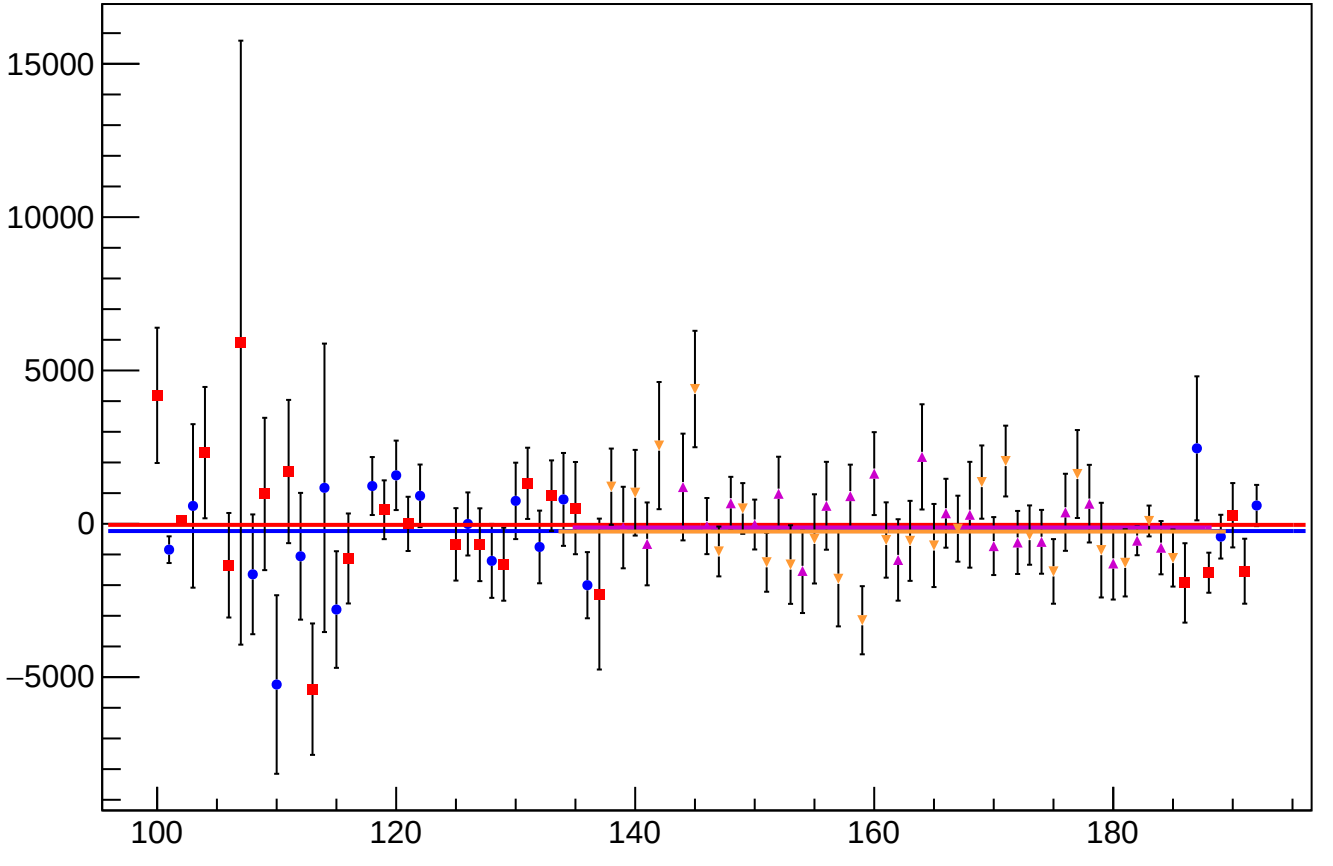
Right: 1545.049+/-0.257 χ^2/NDF: 333390.3/40

In: 1485.550+/-0.201 χ^2/NDF:153196.5/41

Out: 1500.775+/-0.201 χ^2/NDF:244003.0/45

All: 1493.159+/-0.142 χ^2/NDF: 400055.6/87

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: -34.848+/-132.284 χ^2/NDF: 29.1/21

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

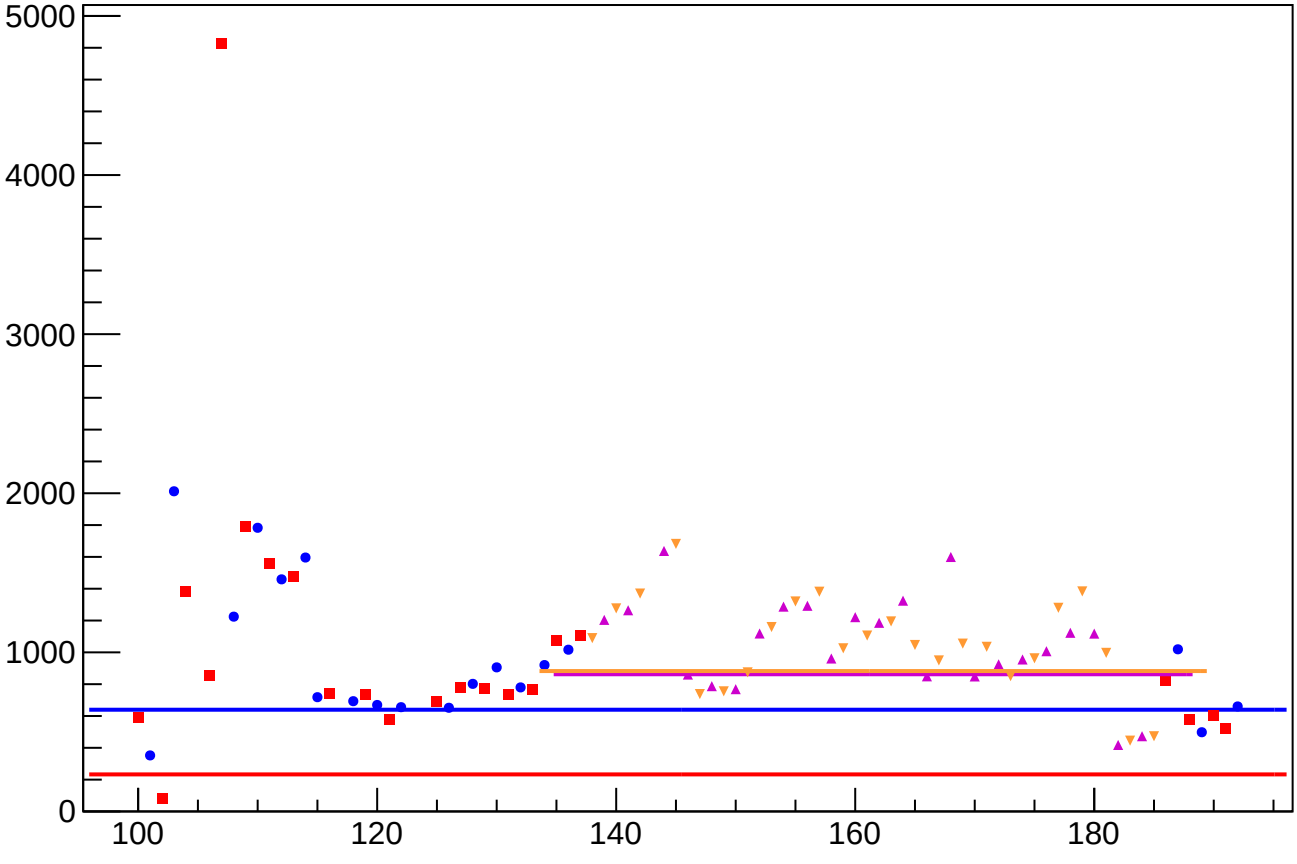
Right: -82.865+/-115.470 χ^2/NDF: 51.1/40

In: -172.876+/-159.531 χ^2/NDF:34.4/41

Out: -93.034+/-113.143 χ^2/NDF:62.5/45

All: -119.754+/-92.288 χ^2/NDF: 97.1/87

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: 232.911+/-0.094 χ^2/NDF: 10782452.5/21

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

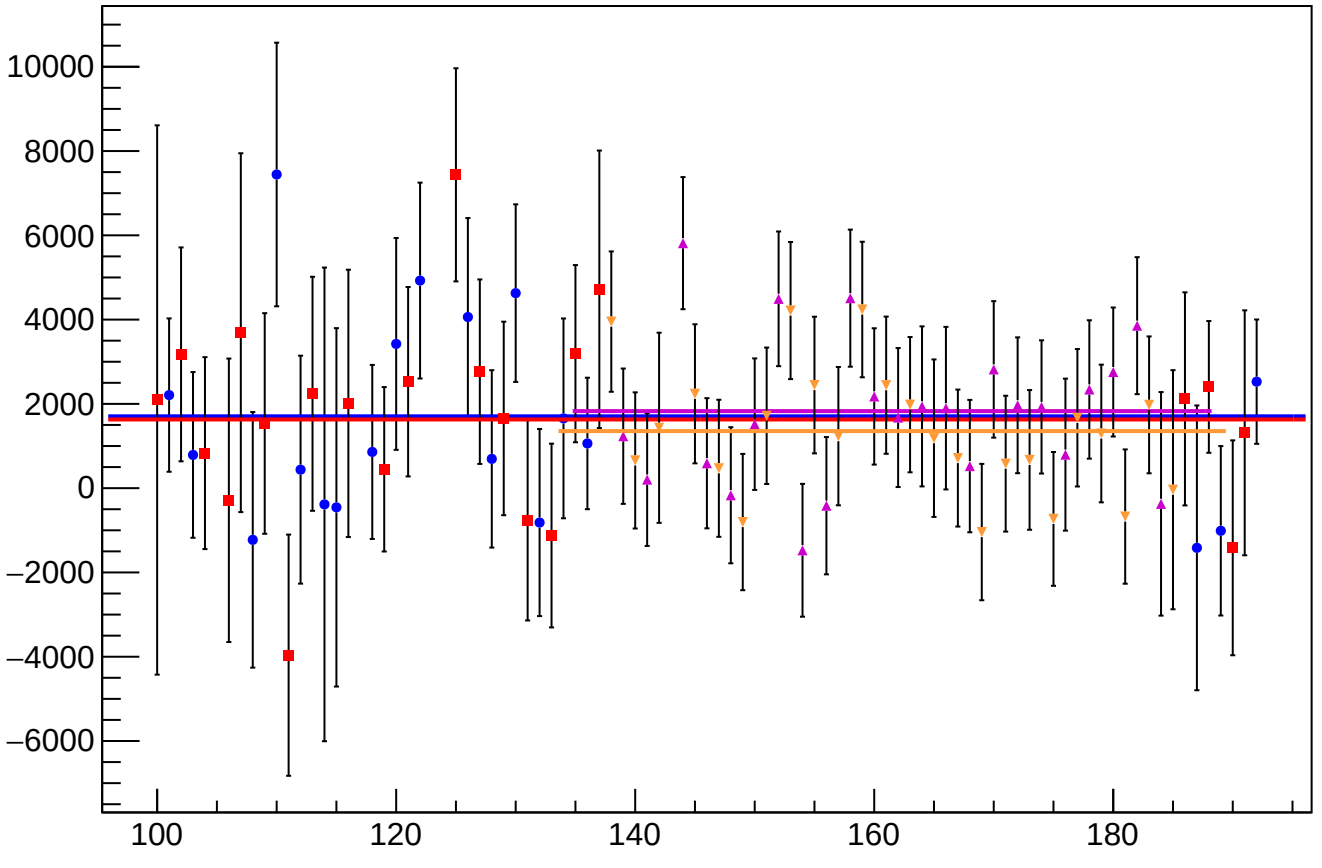
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 329.681+/-0.082 χ^2/NDF: 18177899.0/40

In: 761.022+/-0.113 χ^2/NDF:8236807.1/41

Out: 407.276+/-0.080 χ^2/NDF:27627881.3/45

All: 525.661+/-0.065 χ^2/NDF: 42407506.0/87



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: 1629.567+/-529.161 χ^2/NDF: 16.8/21

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

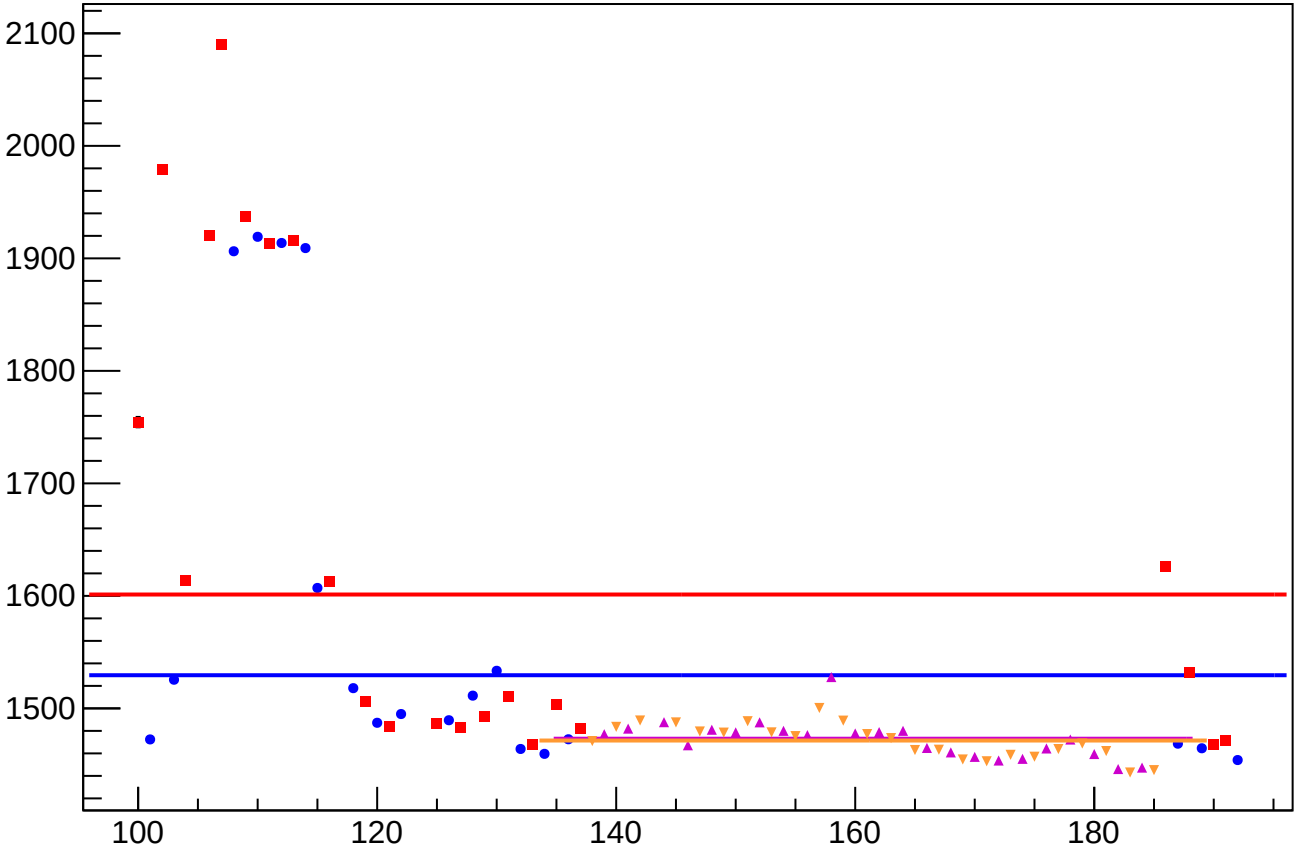
Right: 1668.305+/-368.536 χ^2/NDF: 32.2/40

In: 1790.021+/-285.780 χ^2/NDF:41.2/41

Out: 1434.827+/-286.977 χ^2/NDF:35.9/45

All: 1613.166+/-202.499 χ^2/NDF: 77.9/87

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: 1601.214+/-0.374 χ^2/NDF: 227845.9/21

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

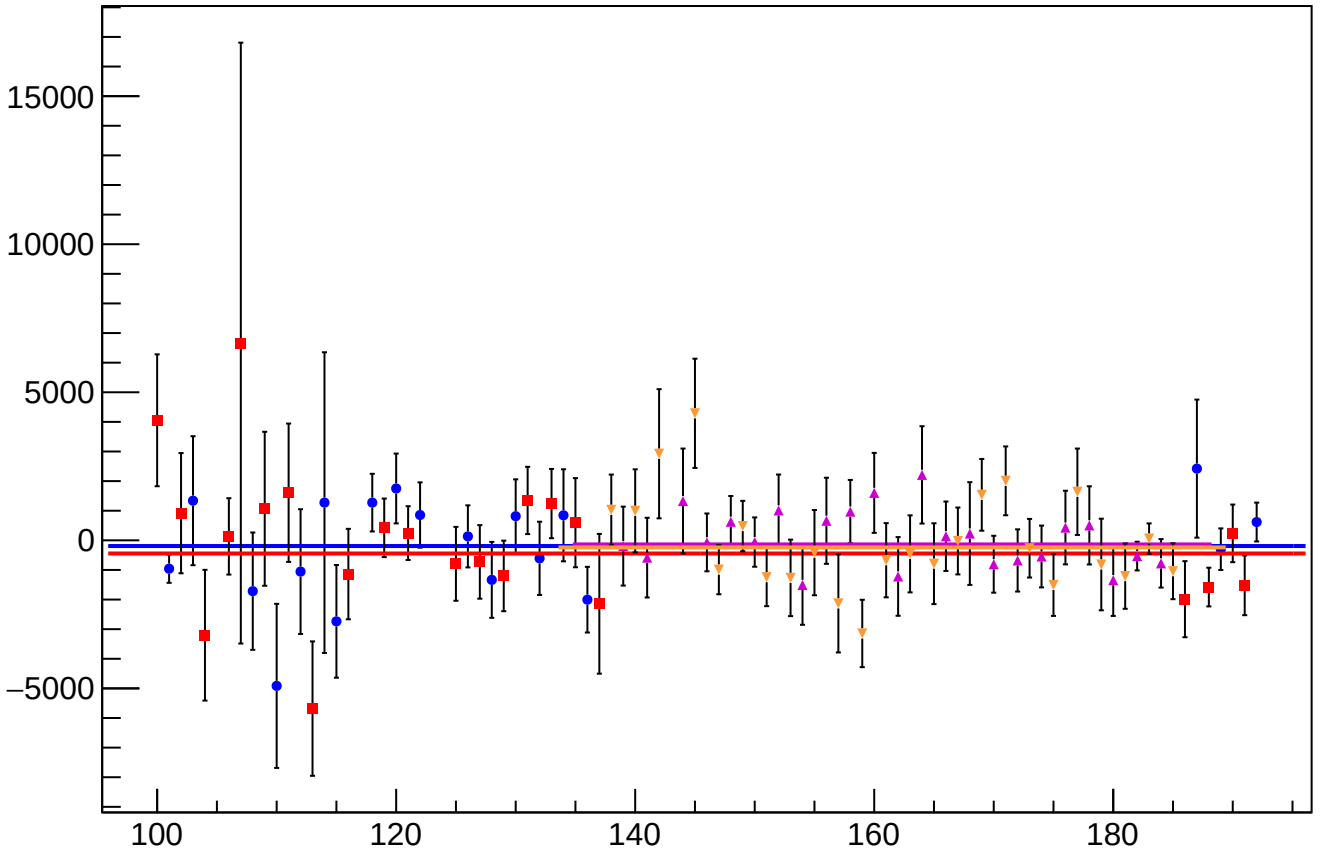
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1564.275+/-0.261 χ^2/NDF: 376728.2/40

In: 1490.523+/-0.202 χ^2/NDF:151378.2/41

Out: 1509.606+/-0.203 χ^2/NDF:316198.0/45

All: 1500.025+/-0.143 χ^2/NDF: 472016.5/87



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: -444.476+/-271.567 χ^2/NDF: 26.9/21

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

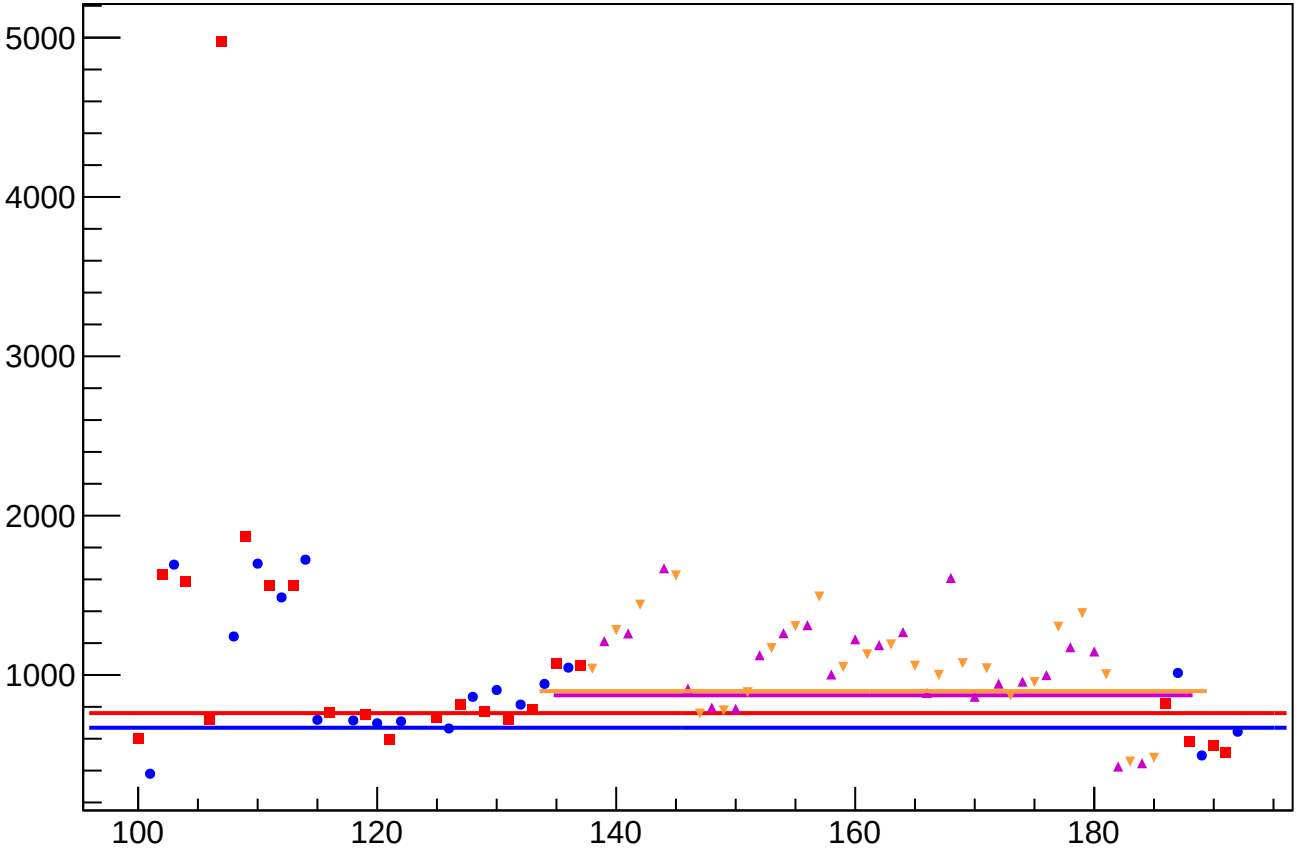
Right: -305.205+/-181.741 χ^2/NDF: 49.5/40

In: -162.303+/-162.939 χ^2/NDF:35.1/41

Out: -321.975+/-171.779 χ^2/NDF:59.7/45

All: -237.924+/-118.217 χ^2/NDF: 95.3/87

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: 760.719+/-0.192 χ^2/NDF: 2402993.5/21

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

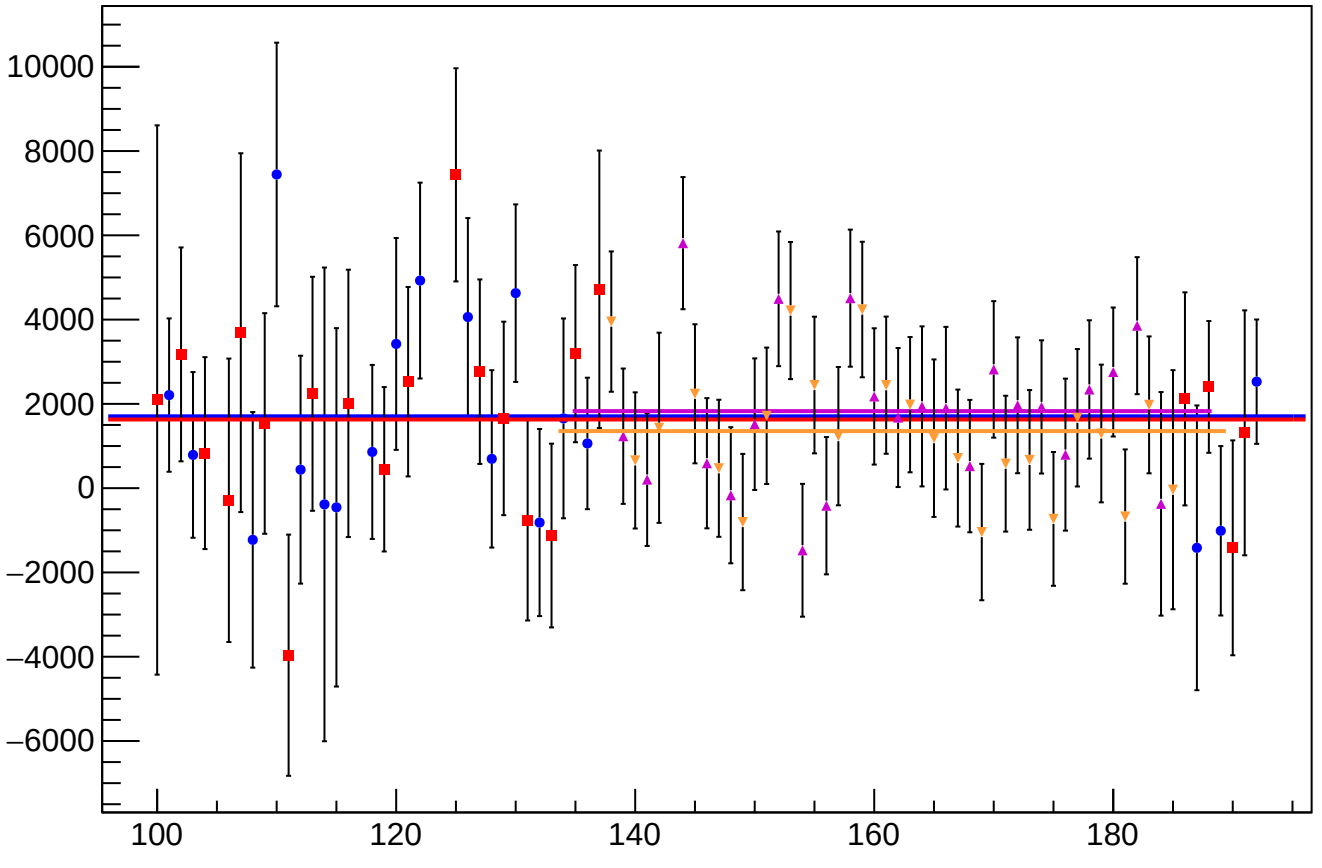
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 710.026+/-0.129 χ^2/NDF: 5154136.2/40

In: 782.130+/-0.115 χ^2/NDF:7831007.4/41

Out: 843.581+/-0.121 χ^2/NDF:6504919.2/45

All: 811.234+/-0.084 χ^2/NDF: 14470653.2/87



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: 1629.565+/-529.161 χ^2/NDF: 16.8/21

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

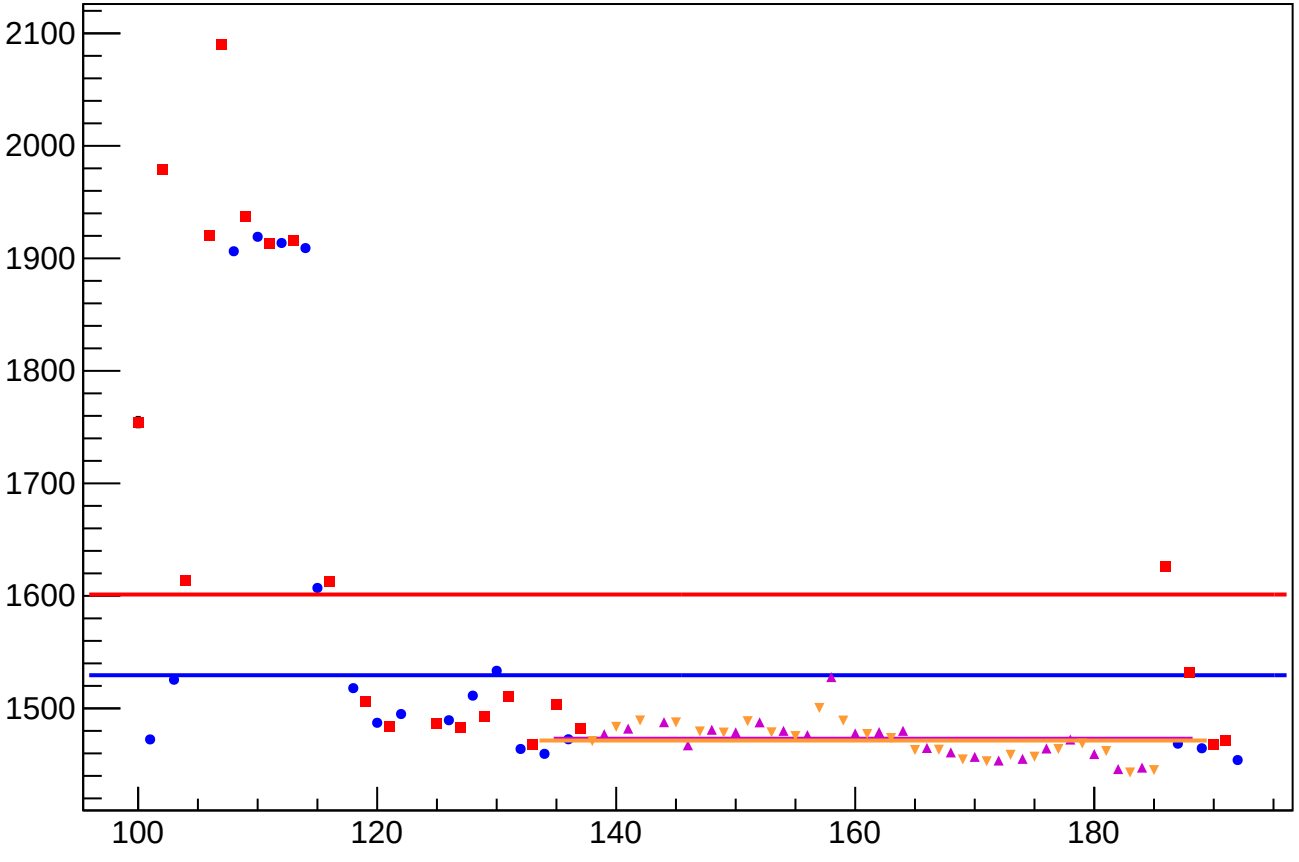
Right: 1668.303+/-368.536 χ^2/NDF: 32.2/40

In: 1790.021+/-285.780 χ^2/NDF:41.2/41

Out: 1434.825+/-286.977 χ^2/NDF:35.9/45

All: 1613.165+/-202.499 χ^2/NDF: 77.9/87

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: 1601.214+/-0.374 χ^2/NDF: 227845.7/21

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

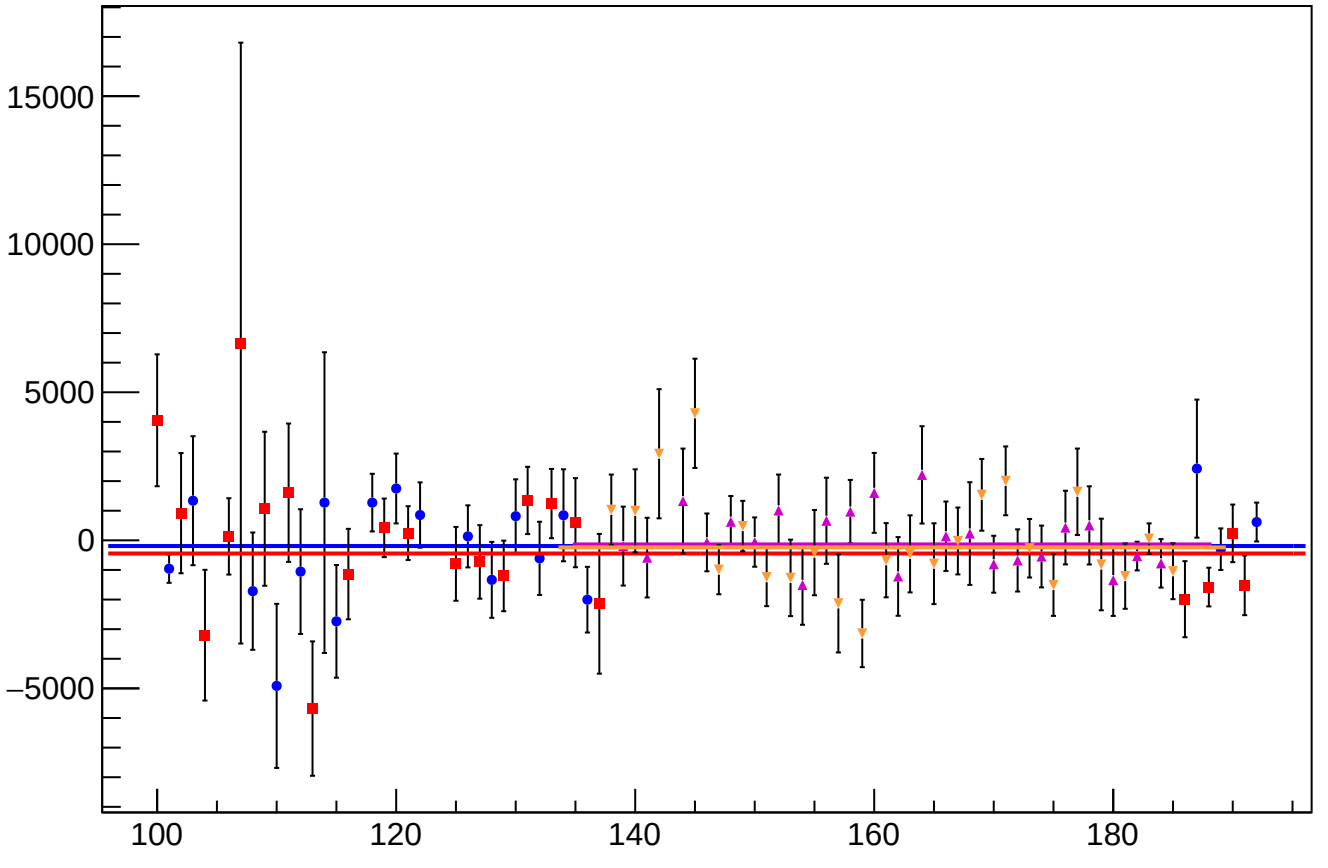
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1564.274+/-0.261 χ^2/NDF: 376728.0/40

In: 1490.523+/-0.202 χ^2/NDF:151378.1/41

Out: 1509.606+/-0.203 χ^2/NDF:316197.5/45

All: 1500.025+/-0.143 χ^2/NDF: 472015.9/87



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: -444.475+/-271.567 χ^2/NDF: 26.9/21

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

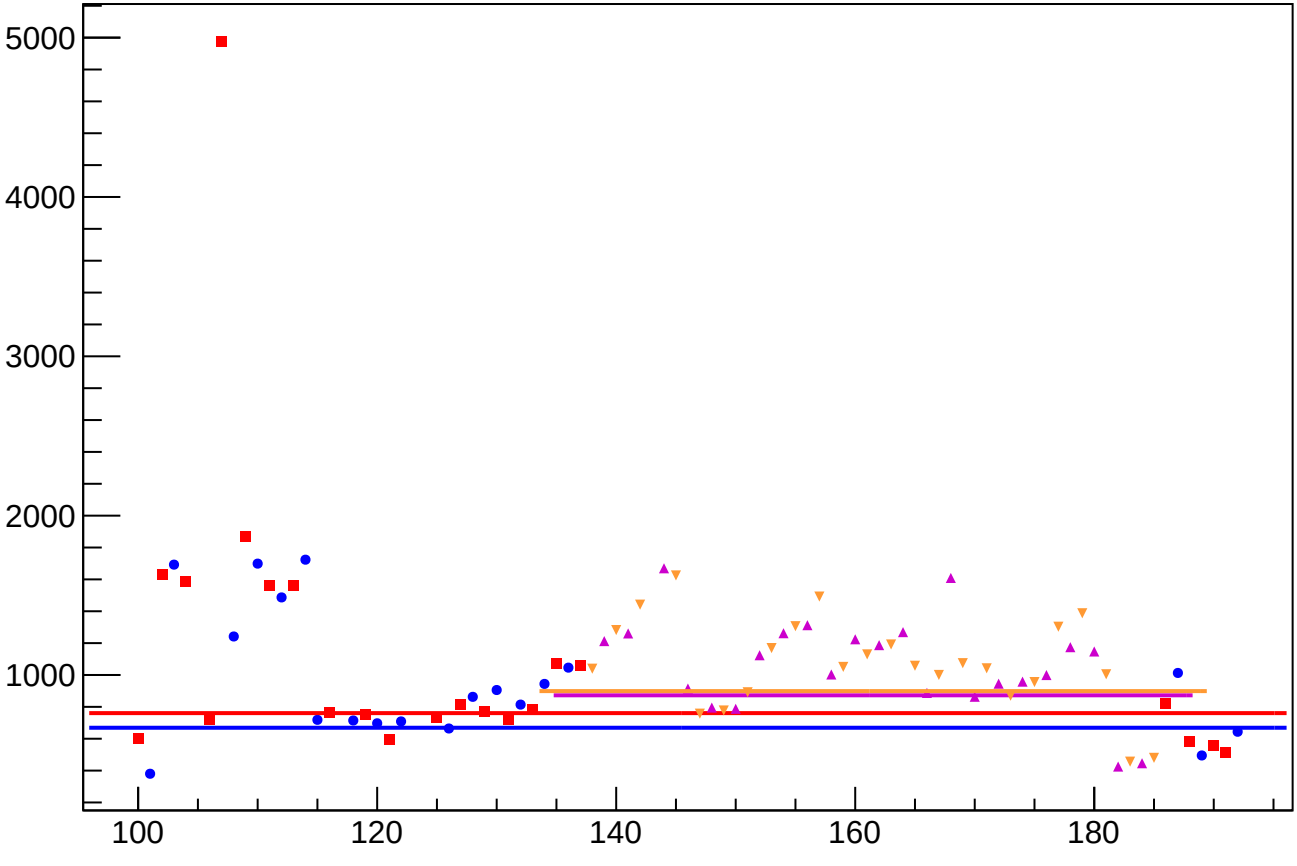
Right: -305.204+/-181.741 χ^2/NDF: 49.5/40

In: -162.302+/-162.939 χ^2/NDF:35.1/41

Out: -321.975+/-171.779 χ^2/NDF:59.7/45

All: -237.925+/-118.217 χ^2/NDF: 95.3/87

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: 760.718+/-0.192 χ^2/NDF: 2402997.8/21

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

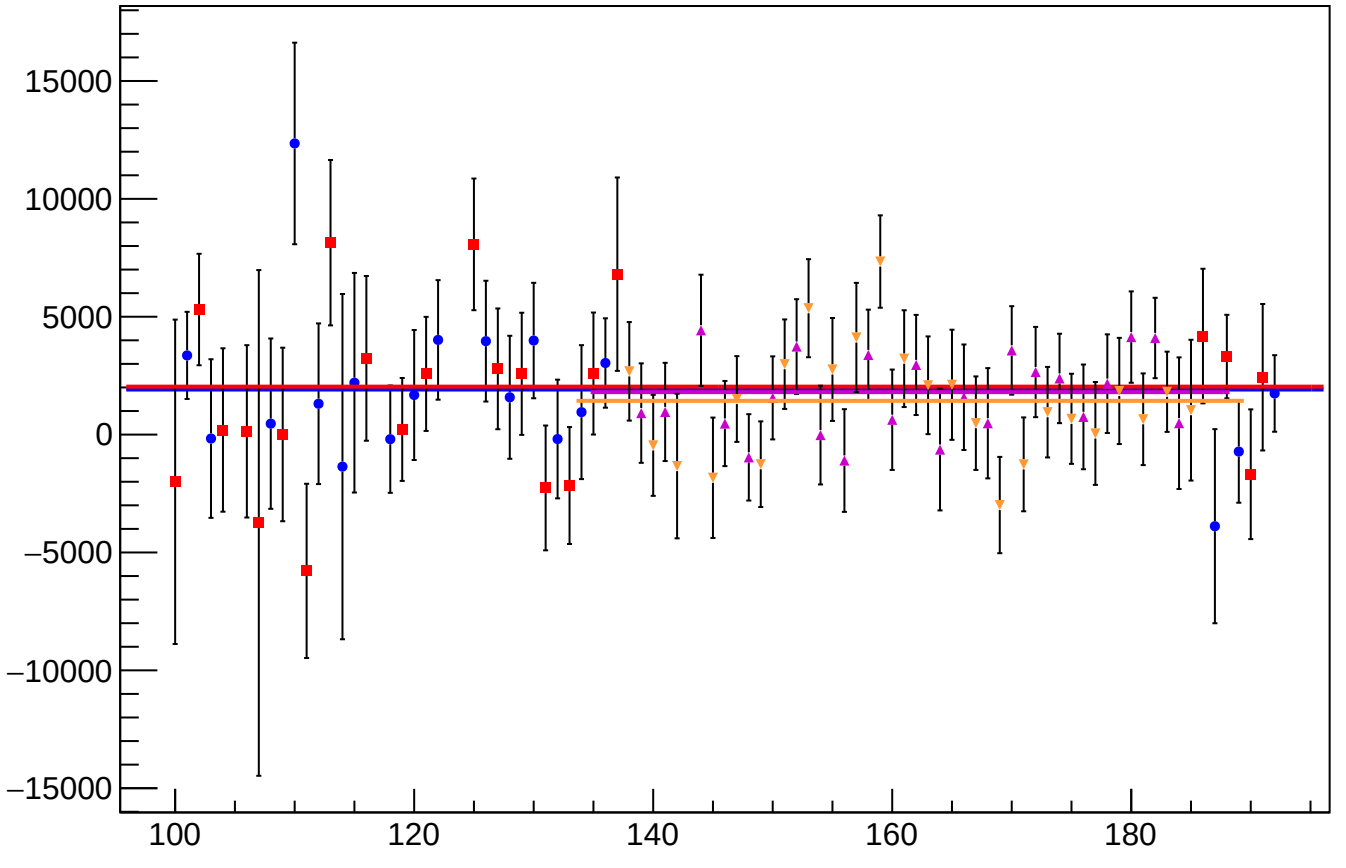
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 710.026+/-0.129 χ^2/NDF: 5154131.8/40

In: 782.130+/-0.115 χ^2/NDF:7831014.4/41

Out: 843.581+/-0.121 χ^2/NDF:6504939.2/45

All: 811.234+/-0.084 χ^2/NDF: 14470679.0/87



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: 2034.793+/-611.001 χ^2/NDF: 26.4/21

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

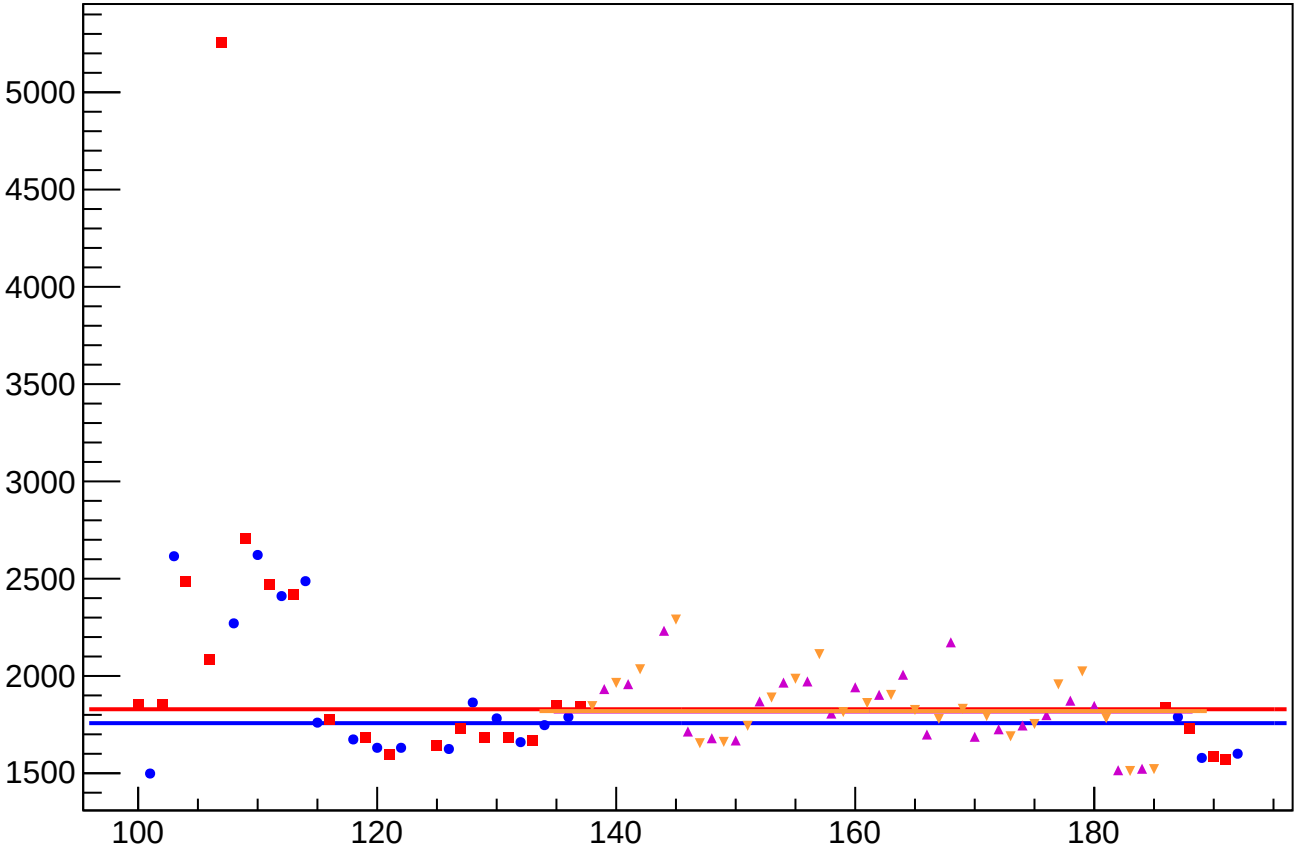
Right: 1972.095+/-426.458 χ^2/NDF: 41.3/40

In: 1839.172+/-346.733 χ^2/NDF:30.2/41

Out: 1629.105+/-348.600 χ^2/NDF:56.4/45

All: 1734.703+/-245.835 χ^2/NDF: 86.8/87

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: 1828.938+/-0.432 χ^2/NDF: 613986.2/21

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

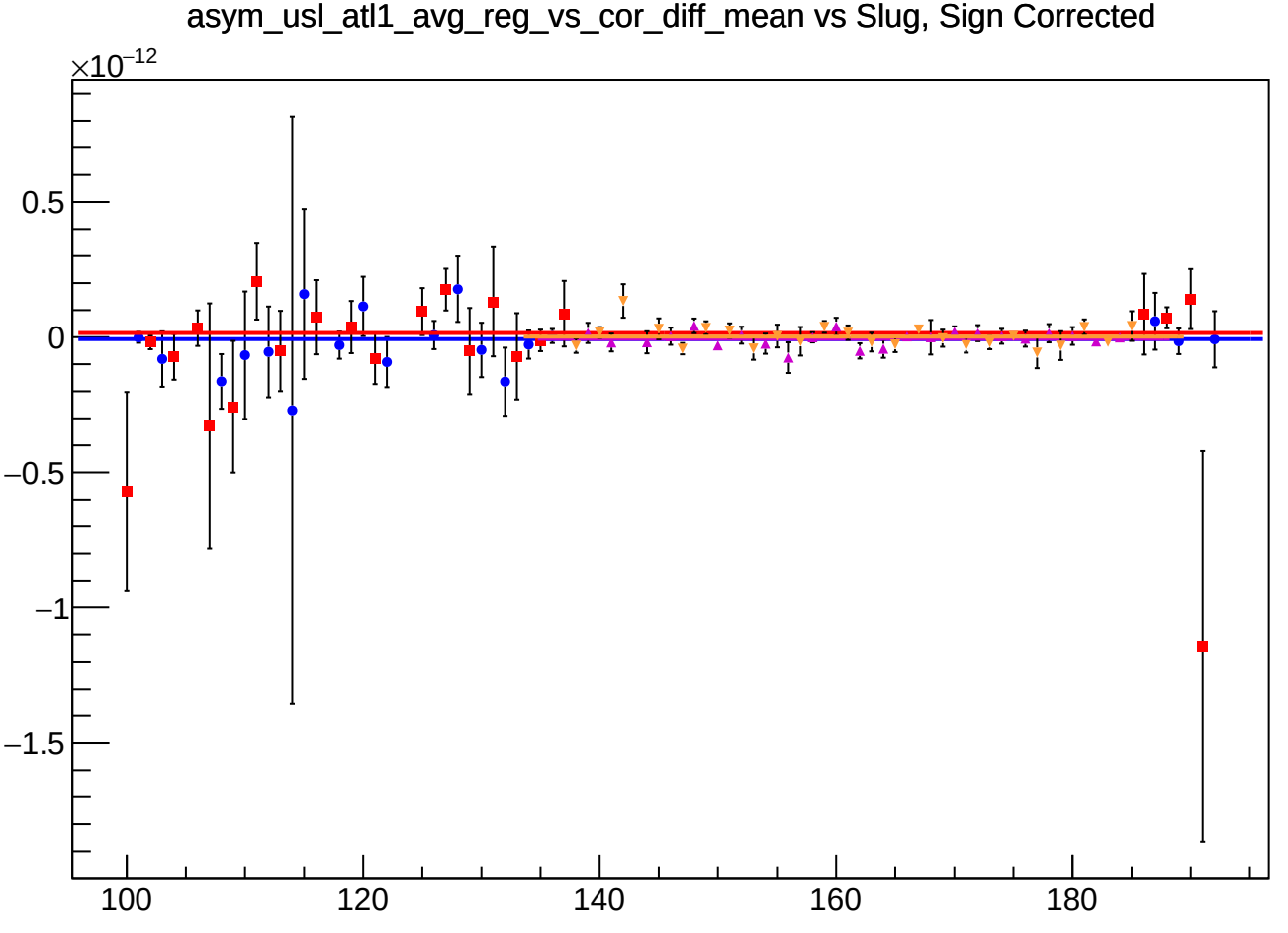
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1792.268+/-0.302 χ^2/NDF: 1069571.4/40

In: 1796.899+/-0.245 χ^2/NDF:761930.4/41

Out: 1822.517+/-0.246 χ^2/NDF:909328.8/45

All: 1809.639+/-0.174 χ^2/NDF: 1676688.4/87



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: 23.5/21

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

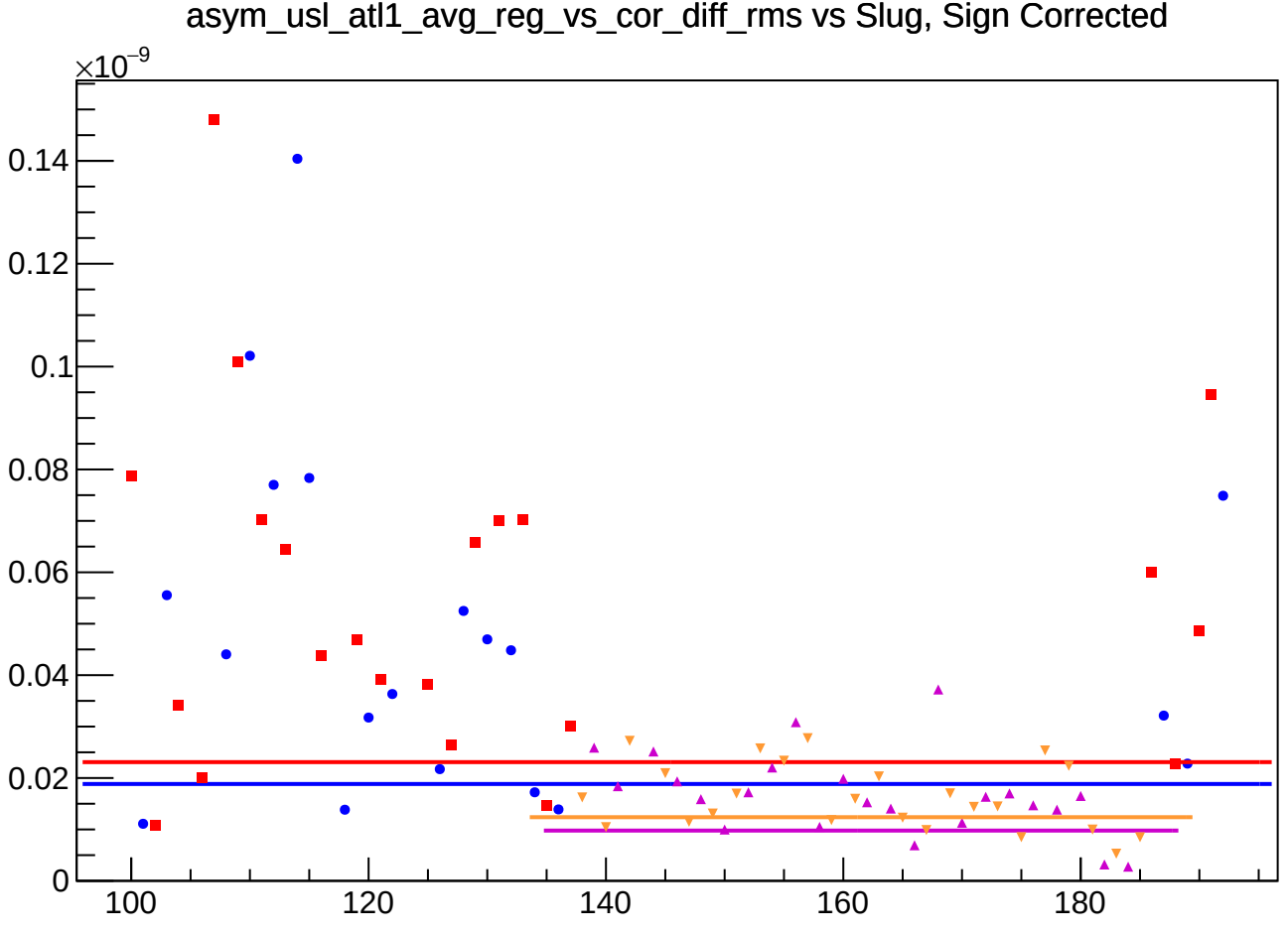
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 35.5/40

In: -0.000+/-0.000 χ^2/NDF:28.6/41

Out: 0.000+/-0.000 χ^2/NDF:53.5/45

All: -0.000+/-0.000 χ^2/NDF: 84.2/87



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: 2353932.1/21

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

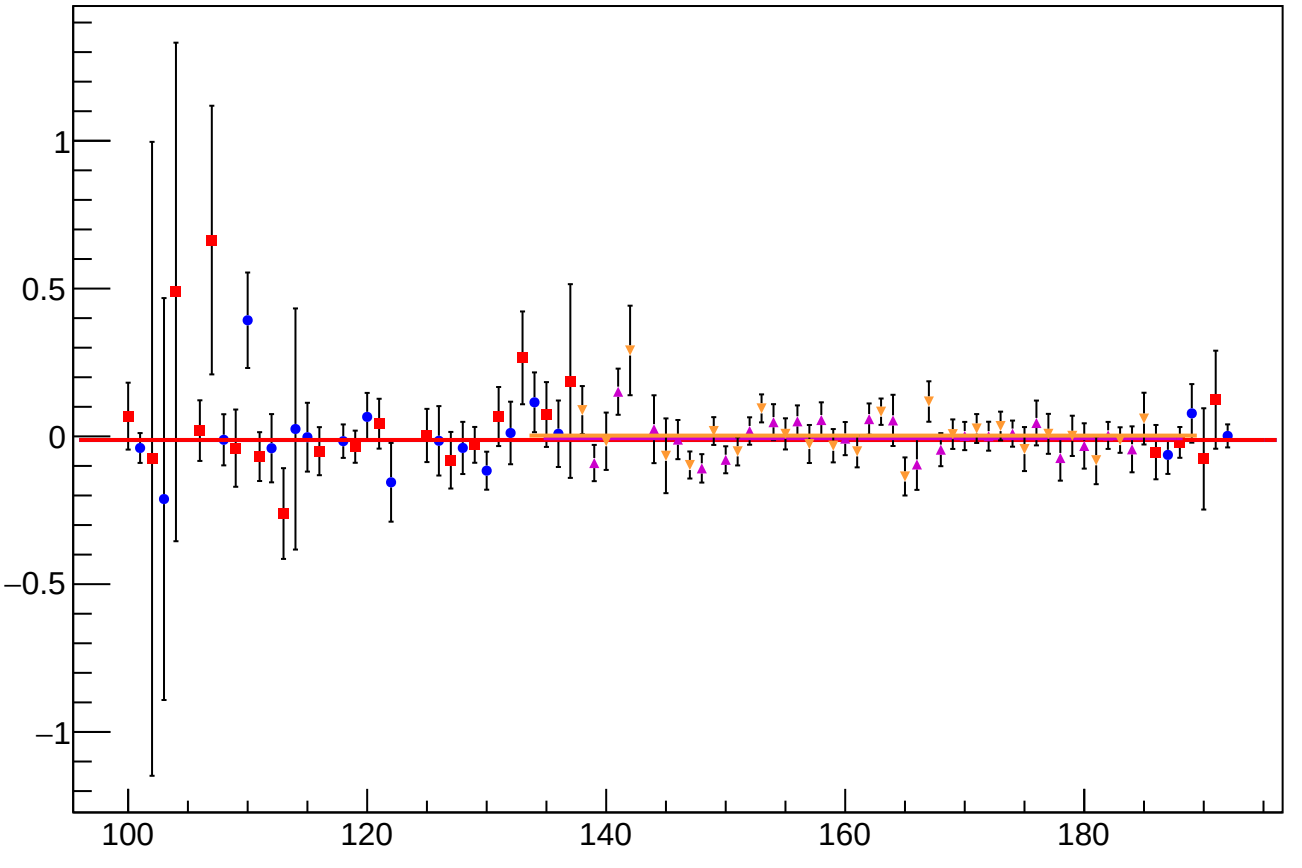
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 4933510.3/40

In: 0.000+/-0.000 χ^2/NDF:7914520.0/41

Out: 0.000+/-0.000 χ^2/NDF:5111922.4/45

All: 0.000+/-0.000 χ^2/NDF: 13340274.3/87



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: -0.012+/-0.021 χ^2/NDF: 13.5/21

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

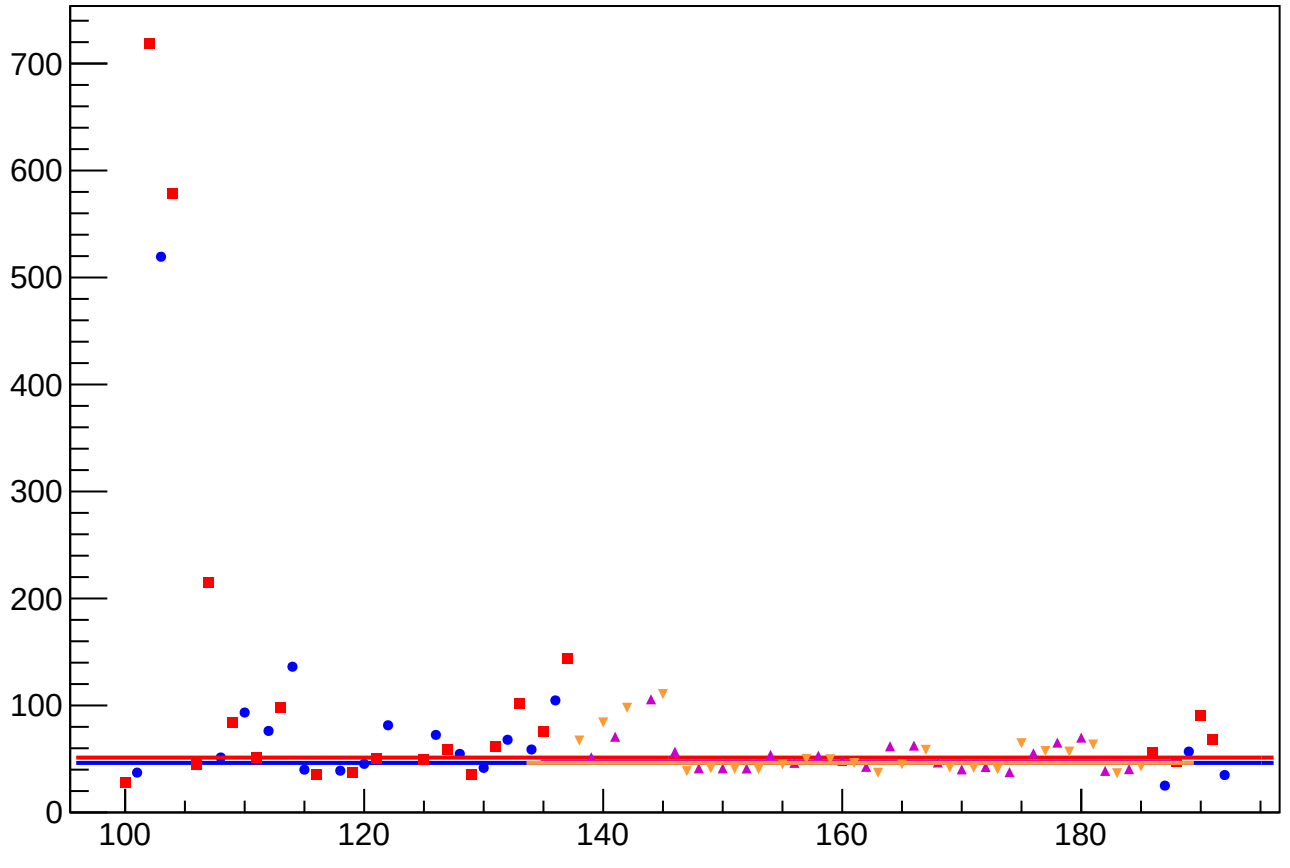
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.012+/-0.014 χ^2/NDF: 28.3/40

In: -0.008+/-0.010 χ^2/NDF:36.5/41

Out: -0.001+/-0.010 χ^2/NDF:43.8/45

All: -0.005+/-0.007 χ^2/NDF: 80.5/87



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: 51.277+/-0.015 χ^2/NDF: 3191908.3/21

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

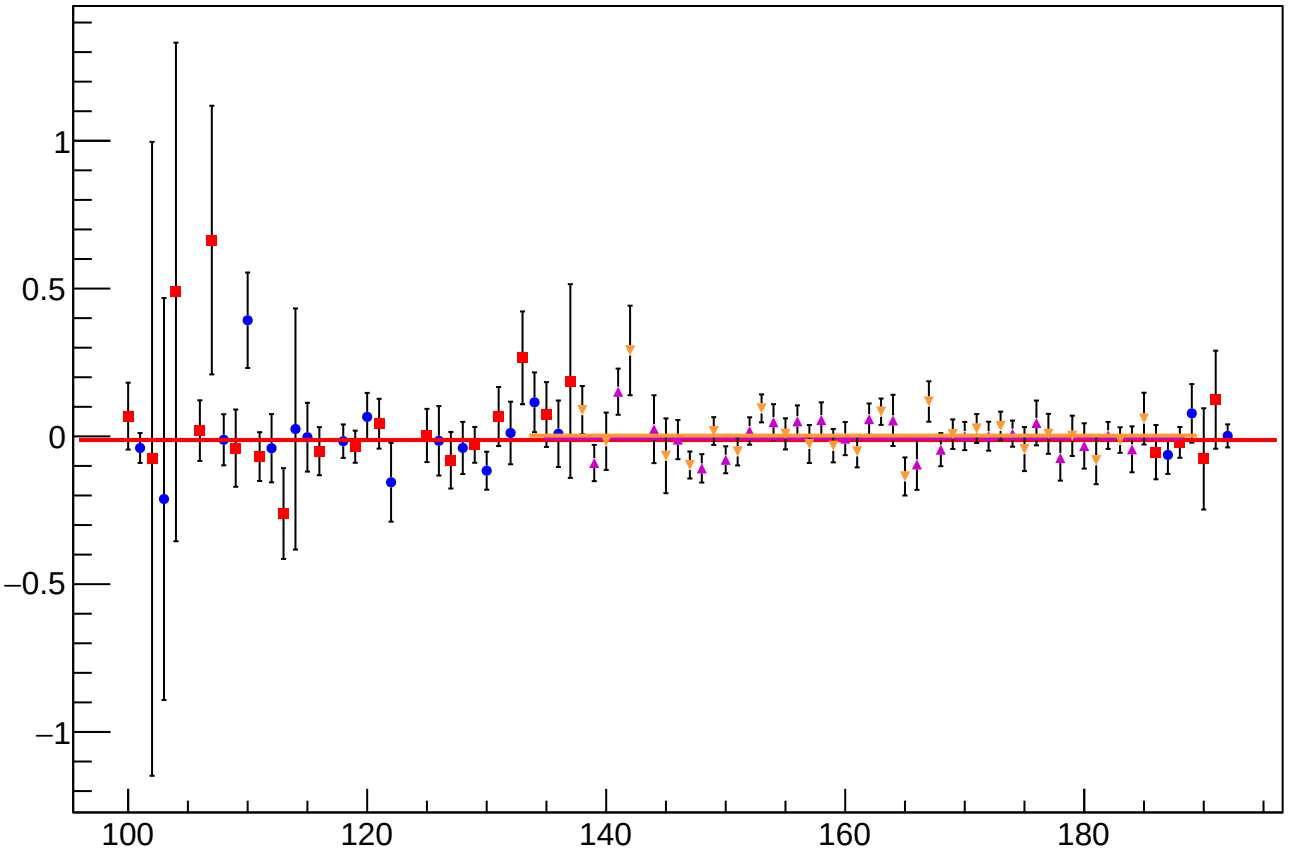
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 48.505+/-0.010 χ^2/NDF: 6068741.8/40

In: 47.187+/-0.007 χ^2/NDF:4394773.9/41

Out: 47.583+/-0.007 χ^2/NDF:5245257.6/45

All: 47.382+/-0.005 χ^2/NDF: 9641534.0/87



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: -0.012+/-0.021 χ^2/NDF: 13.5/21

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

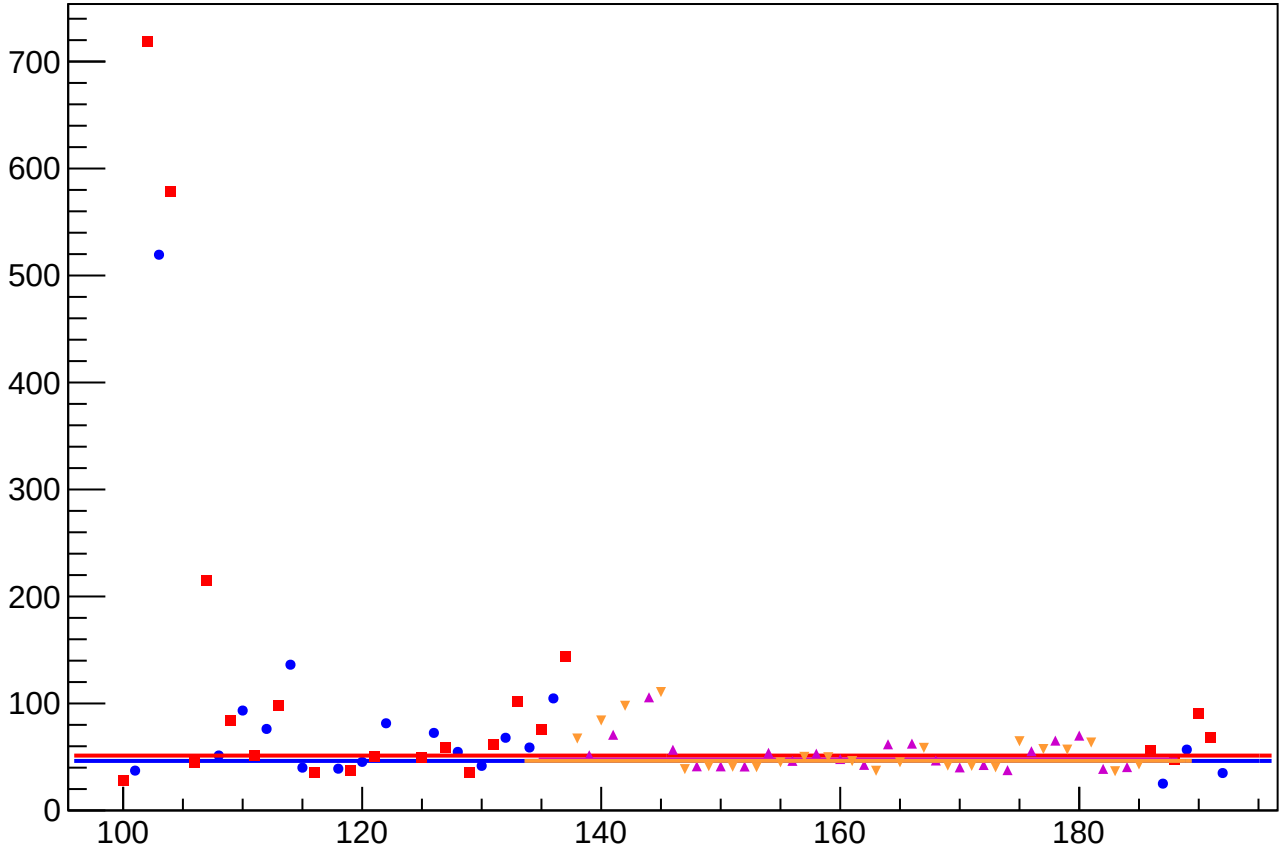
Right: -0.012+/-0.014 χ^2/NDF: 28.3/40

In: -0.008+/-0.010 χ^2/NDF:36.5/41

Out: -0.001+/-0.010 χ^2/NDF:43.8/45

All: -0.005+/-0.007 χ^2/NDF: 80.5/87

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 51.277+/-0.015 χ^2/NDF: 3191908.3/21

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

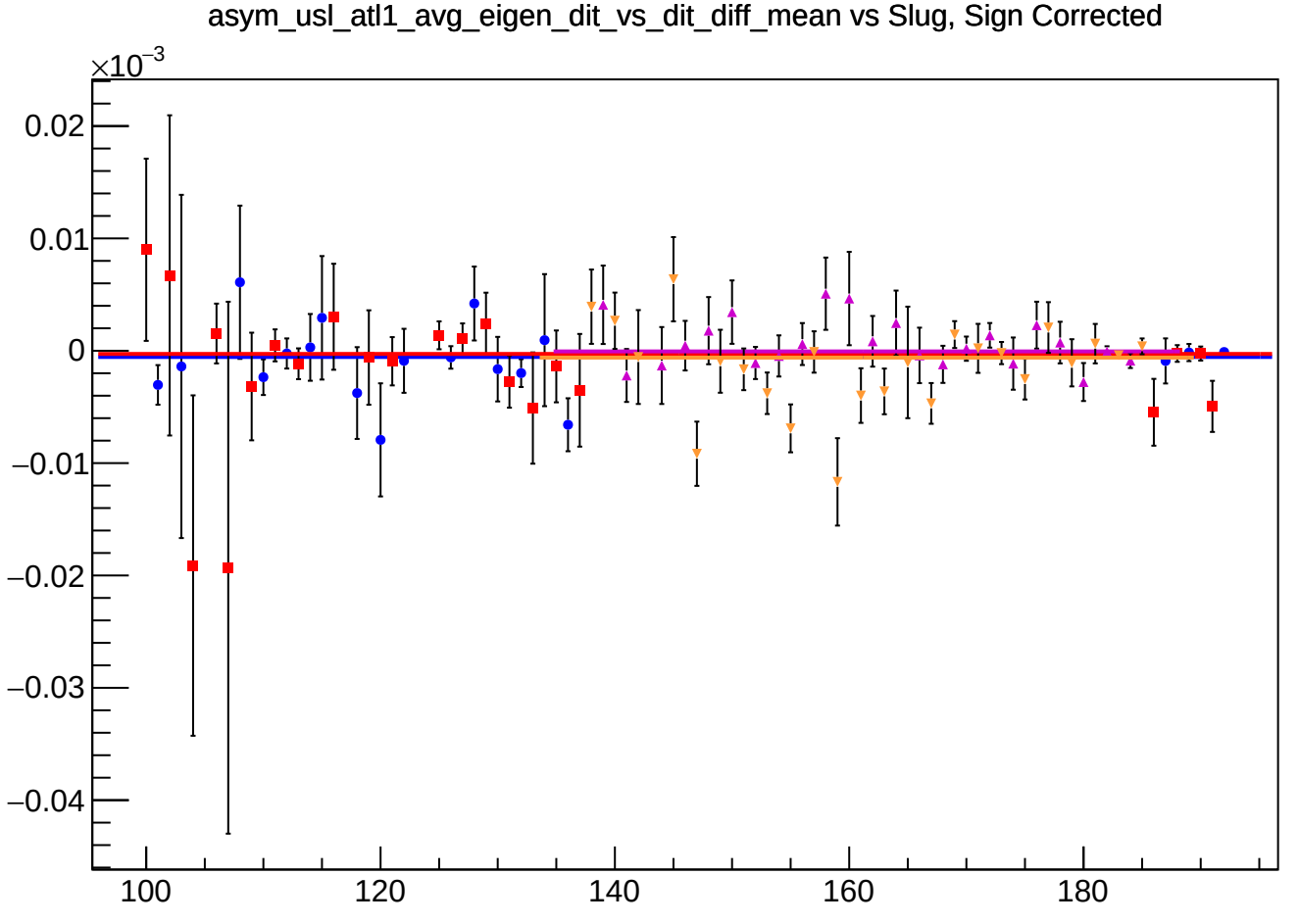
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 48.505+/-0.010 χ^2/NDF: 6068741.8/40

In: 47.187+/-0.007 χ^2/NDF:4394773.9/41

Out: 47.583+/-0.007 χ^2/NDF:5245257.6/45

All: 47.382+/-0.005 χ^2/NDF: 9641534.0/87



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: 19.4/21

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

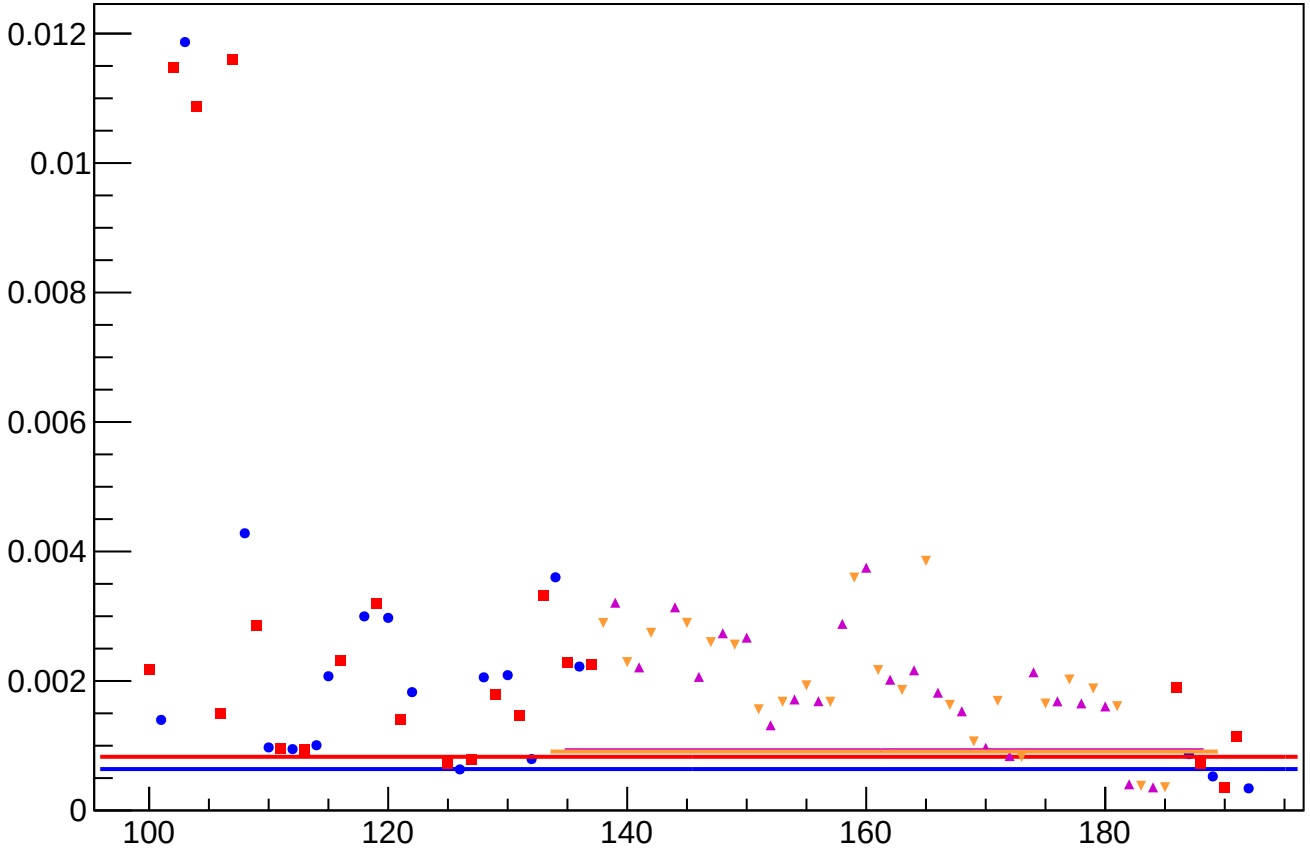
Right: -0.000+/-0.000 χ^2/NDF: 39.0/40

In: -0.000+/-0.000 χ^2/NDF:38.6/41

Out: -0.000+/-0.000 χ^2/NDF:73.9/45

All: -0.000+/-0.000 χ^2/NDF: 112.9/87

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: 6935674.2/21

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

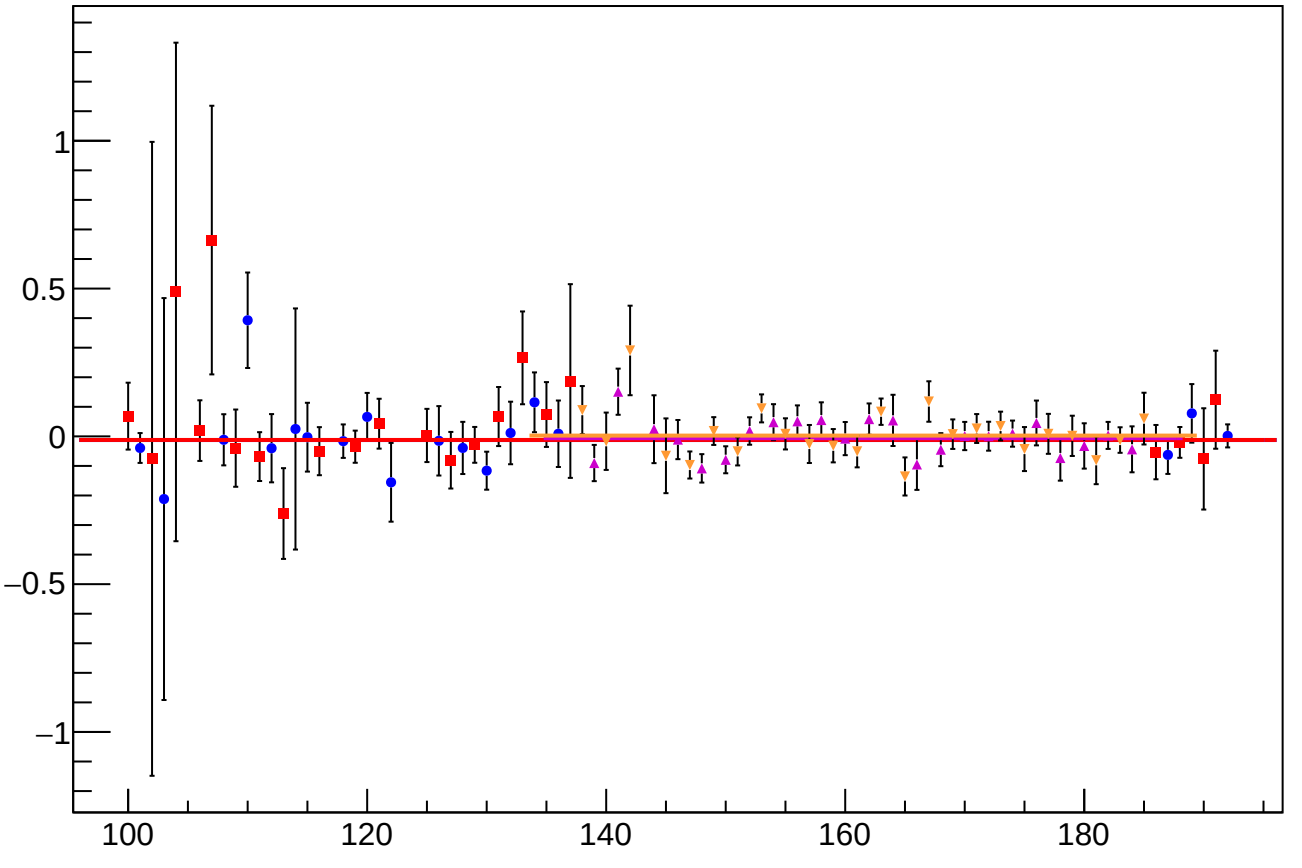
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.001+/-0.000 χ^2/NDF: 14556452.2/40

In: 0.001+/-0.000 χ^2/NDF:22001259.9/41

Out: 0.001+/-0.000 χ^2/NDF:21137881.4/45

All: 0.001+/-0.000 χ^2/NDF: 43316016.5/87



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: -0.012+/-0.021 χ^2/NDF: 13.5/21

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

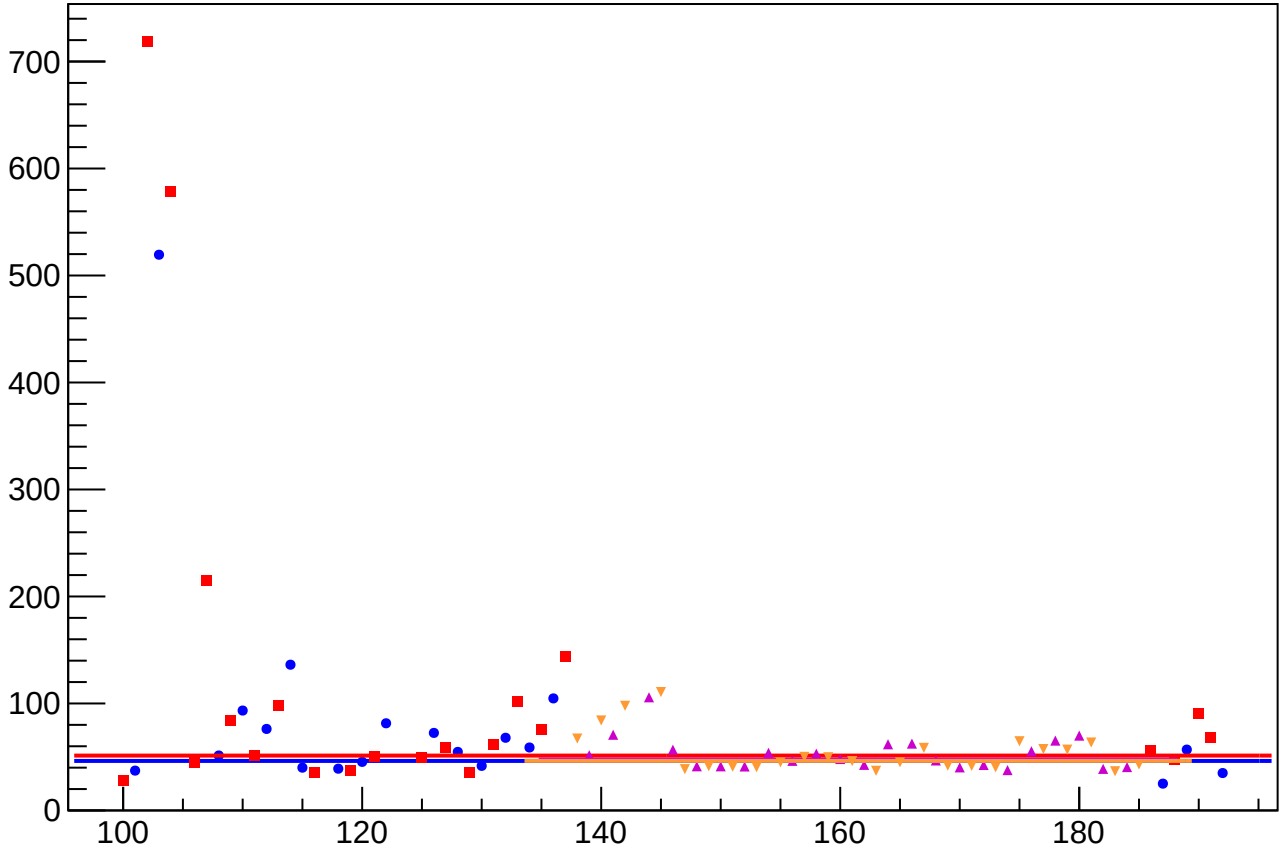
Right: -0.012+/-0.014 χ^2/NDF: 28.3/40

In: -0.008+/-0.010 χ^2/NDF:36.5/41

Out: -0.001+/-0.010 χ^2/NDF:43.8/45

All: -0.005+/-0.007 χ^2/NDF: 80.5/87

asym_usl_atl1_avg_eigen_dit_vs_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: 51.277+/-0.015 χ^2/NDF: 3191890.3/21

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

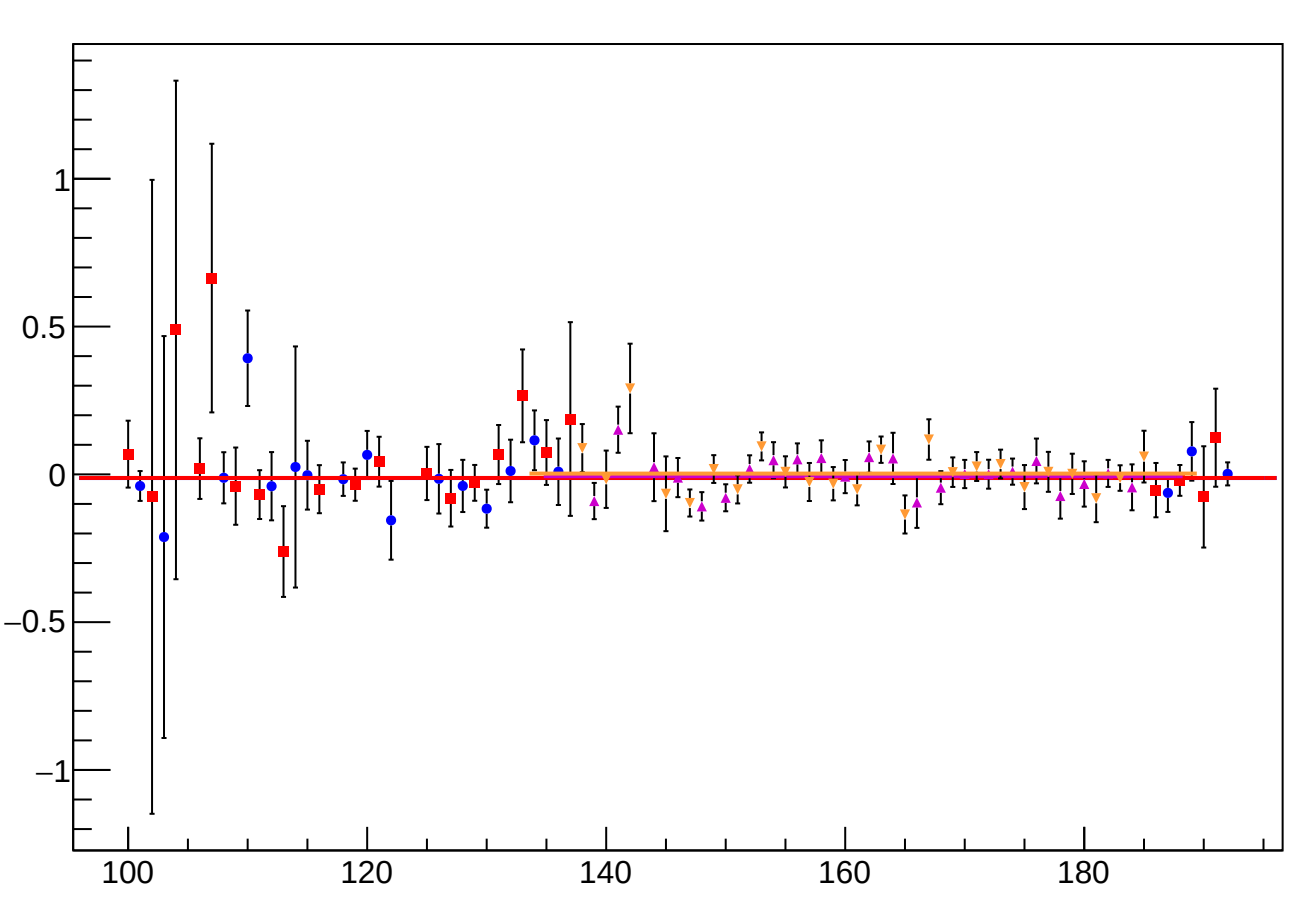
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 48.505+/-0.010 χ^2/NDF: 6068712.5/40

In: 47.187+/-0.007 χ^2/NDF:4394775.0/41

Out: 47.583+/-0.007 χ^2/NDF:5245215.2/45

All: 47.382+/-0.005 χ^2/NDF: 9641493.2/87



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: -0.012+/-0.021 χ^2/NDF: 13.5/21

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

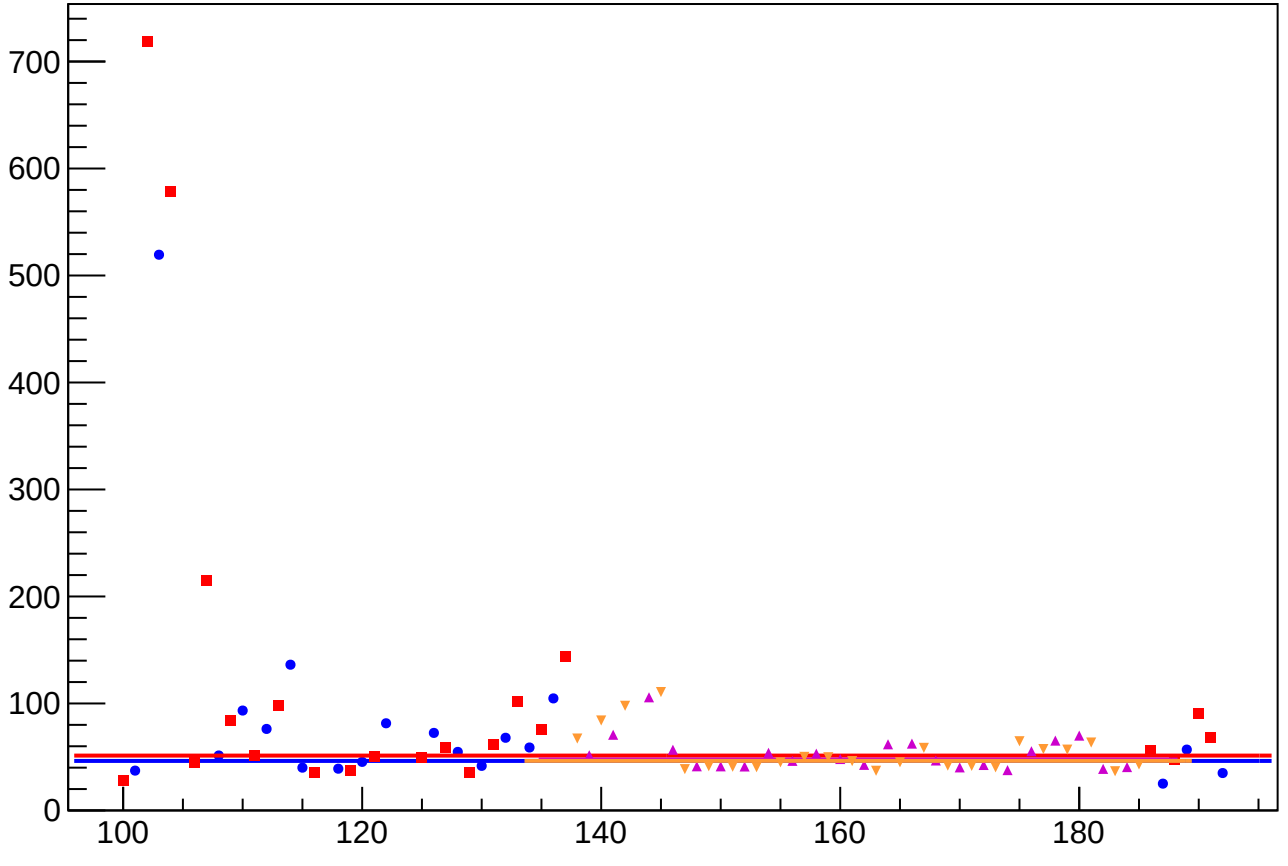
Right: -0.012+/-0.014 χ^2/NDF: 28.3/40

In: -0.008+/-0.010 χ^2/NDF:36.5/41

Out: -0.001+/-0.010 χ^2/NDF:43.8/45

All: -0.005+/-0.007 χ^2/NDF: 80.5/87

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: 51.277+/-0.015 χ^2/NDF: 3191890.3/21

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

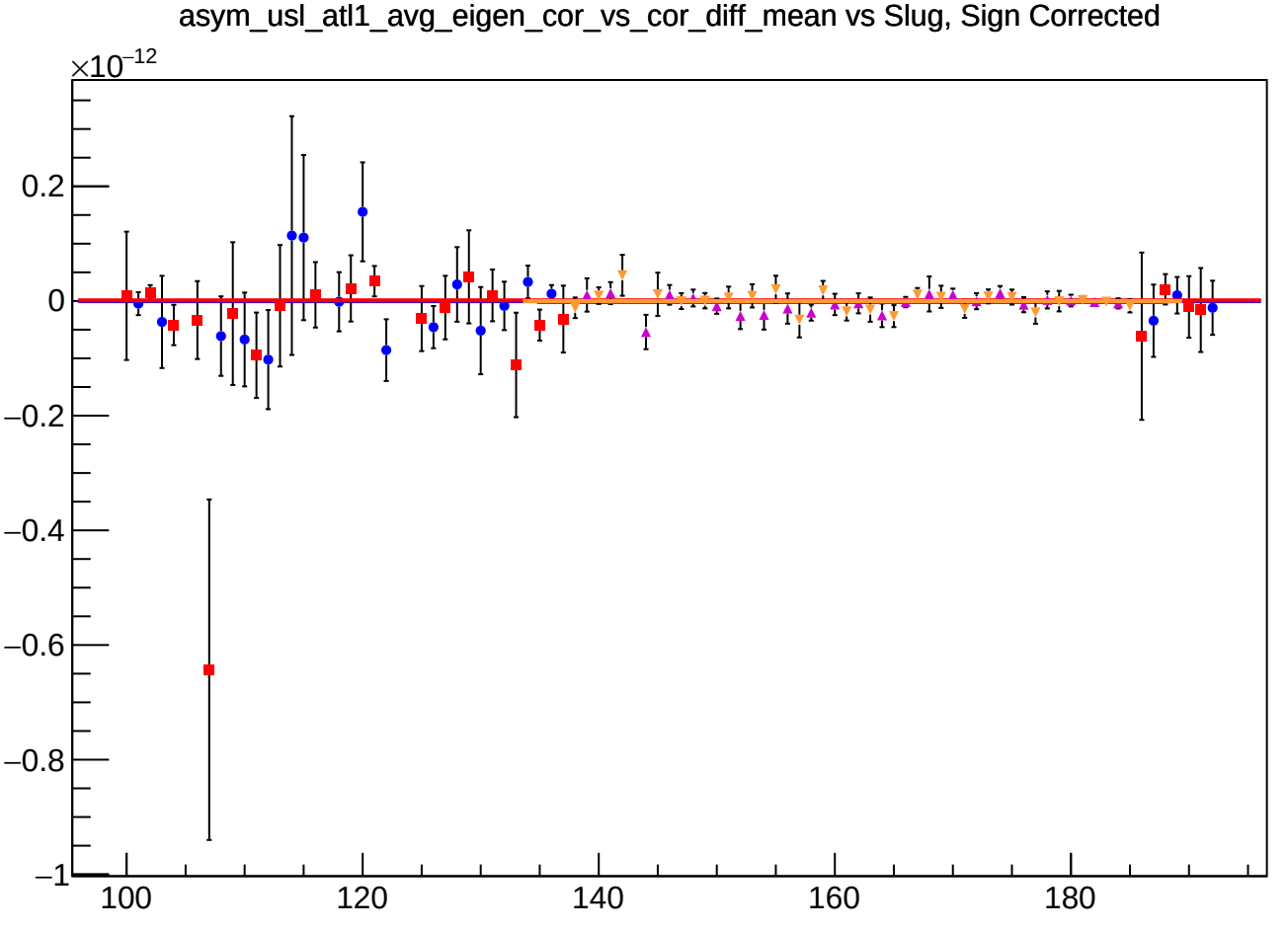
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 48.505+/-0.010 χ^2/NDF: 6068712.5/40

In: 47.187+/-0.007 χ^2/NDF:4394775.0/41

Out: 47.583+/-0.007 χ^2/NDF:5245215.2/45

All: 47.382+/-0.005 χ^2/NDF: 9641493.2/87



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: 16.9/21

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

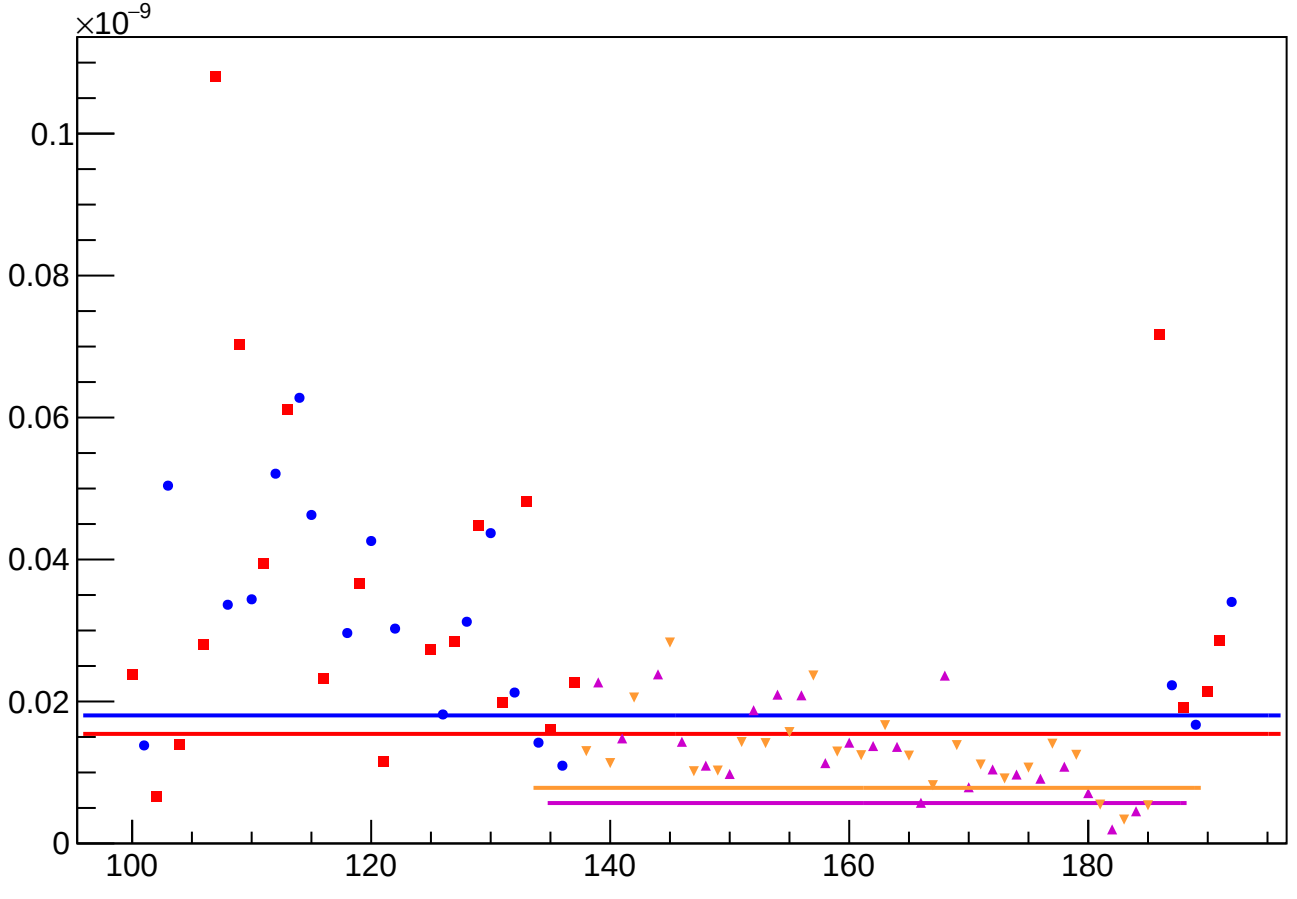
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 31.4/40

In: -0.000+/-0.000 χ^2/NDF:27.9/41

Out: -0.000+/-0.000 χ^2/NDF:30.7/45

All: -0.000+/-0.000 χ^2/NDF: 59.0/87



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: 3710818.2/21

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

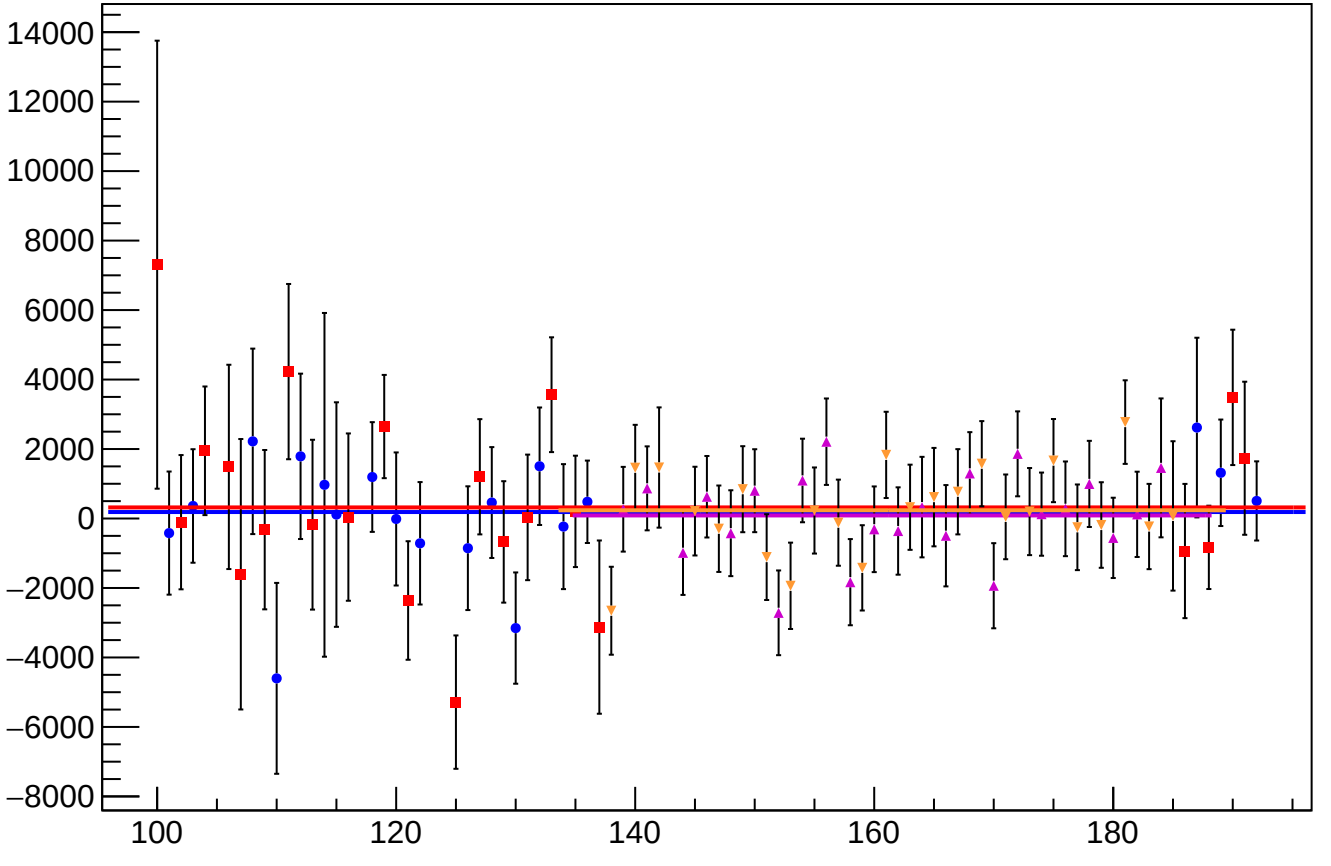
Right: 0.000+/-0.000 χ^2/NDF: 6278659.1/40

In: 0.000+/-0.000 χ^2/NDF:17422180.7/41

Out: 0.000+/-0.000 χ^2/NDF:11662583.0/45

All: 0.000+/-0.000 χ^2/NDF: 29956246.3/87

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



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: 319.157+/-412.896 χ^2/NDF: 29.2/21

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

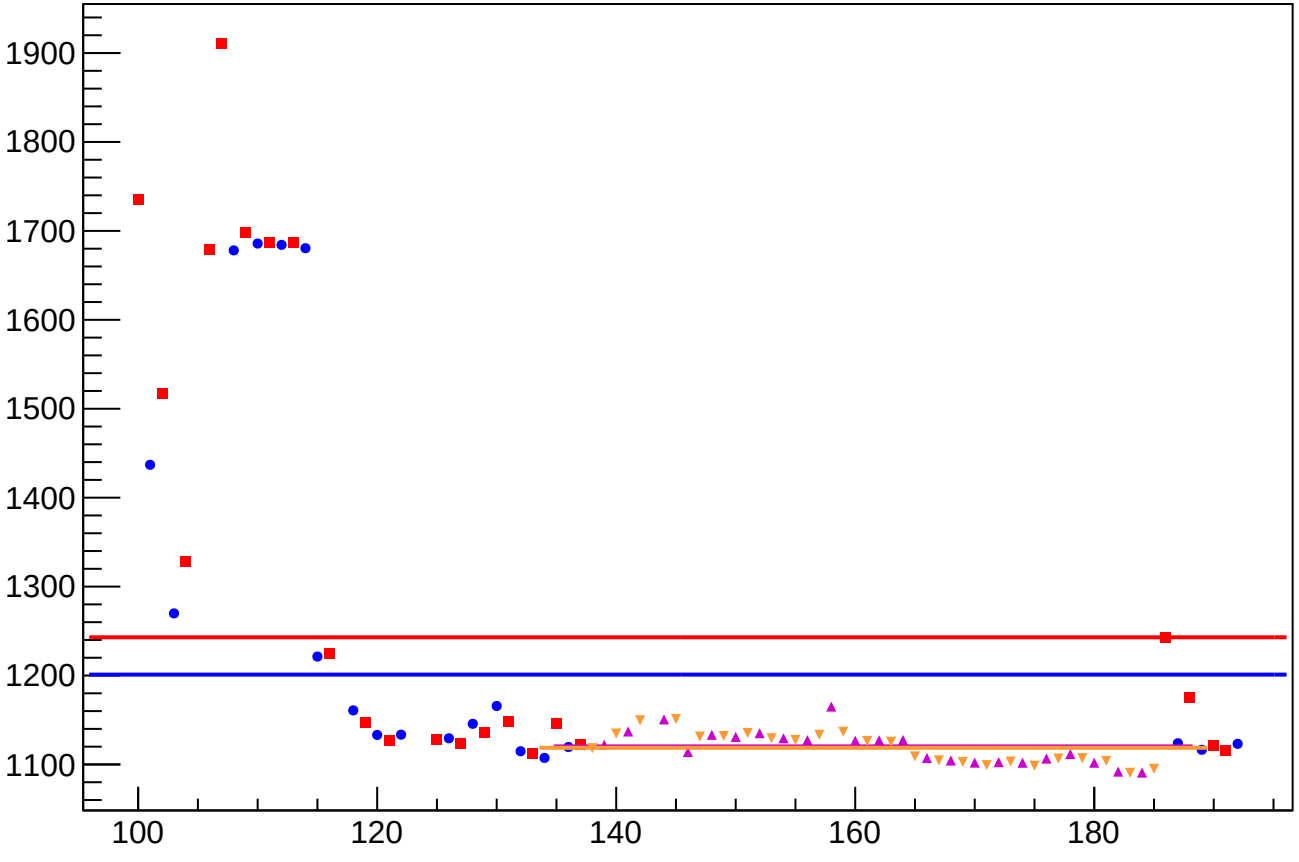
Right: 251.509+/-289.243 χ^2/NDF: 41.1/40

In: 117.183+/-219.796 χ^2/NDF:32.8/41

Out: 259.999+/-219.813 χ^2/NDF:51.9/45

All: 188.585+/-155.425 χ^2/NDF: 84.9/87

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: 1242.995+/-0.292 χ^2/NDF: 458733.4/21

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

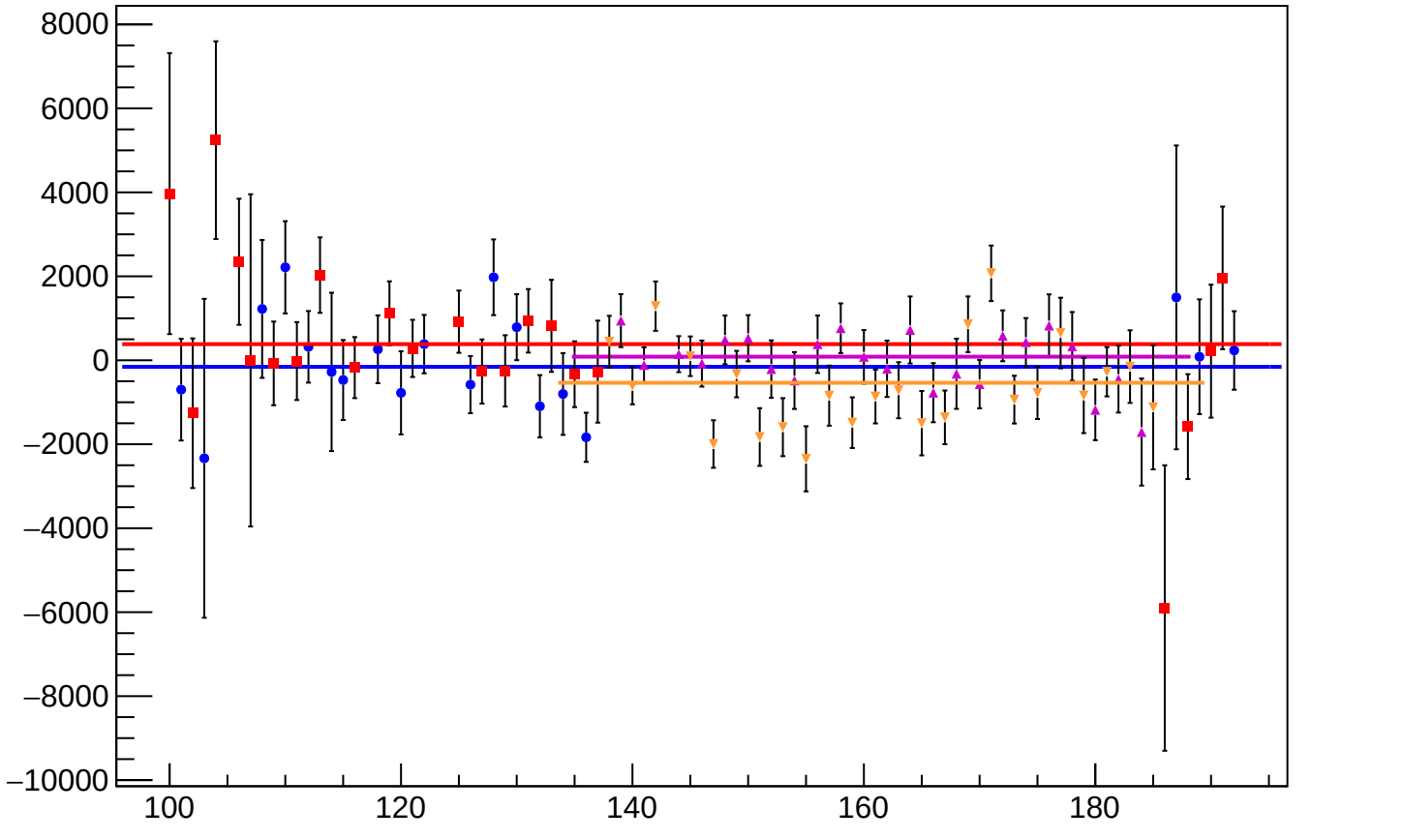
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

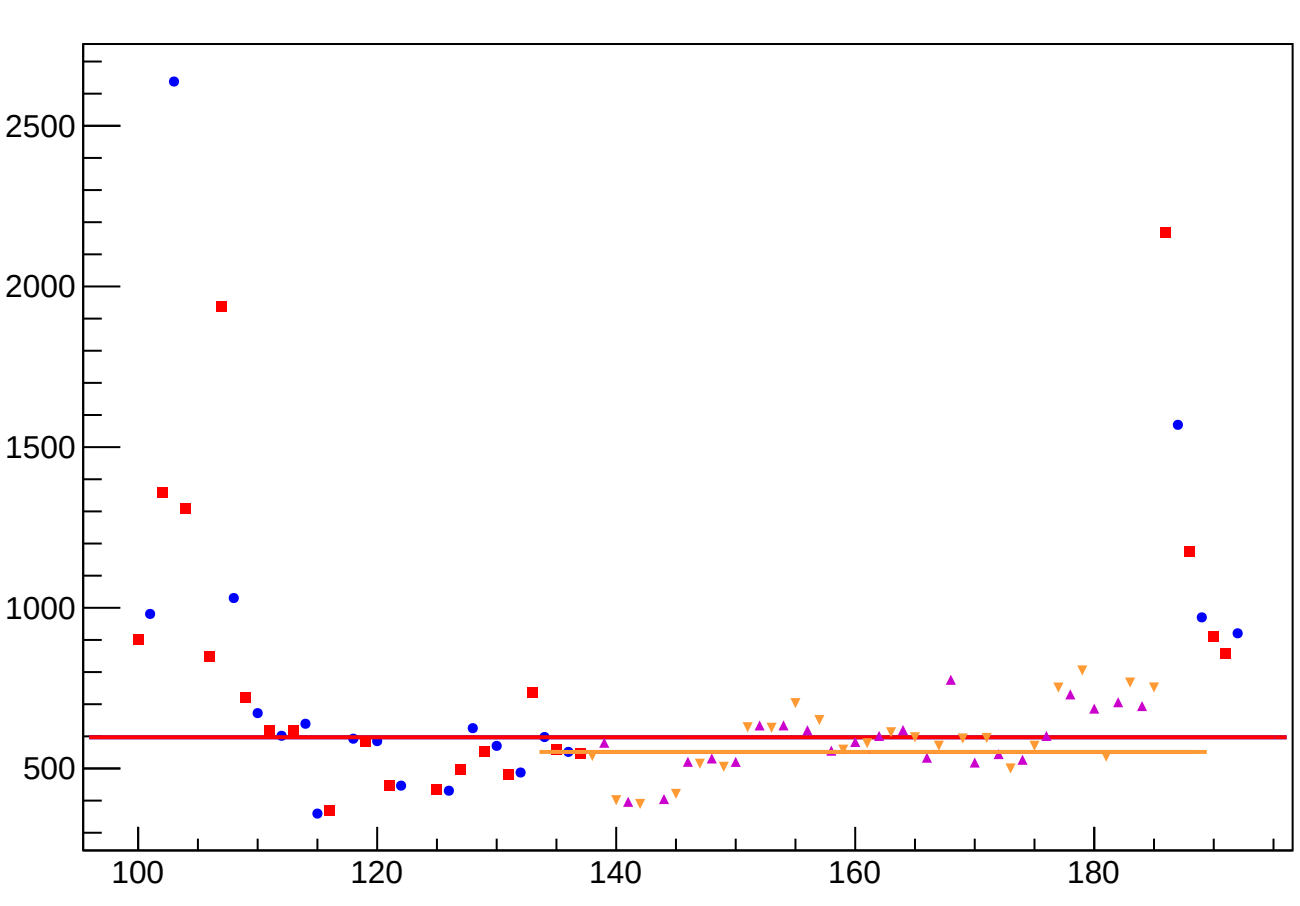
Right: 1221.626+/-0.205 χ^2/NDF: 786296.8/40

In: 1144.048+/-0.155 χ^2/NDF:382533.2/41

Out: 1153.951+/-0.155 χ^2/NDF:596742.6/45

All: 1148.999+/-0.110 χ^2/NDF: 981305.5/87


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: 384.085+/-215.443 χ²/NDF: 23.7/21
Left In: 85.254+/-130.966 χ²/NDF:17.1/22
Left: -226.082+/-92.494 χ²/NDF: 90.0/46
Right: 111.996+/-151.736 χ²/NDF: 52.5/40
In: 19.453+/-111.670 χ²/NDF:43.7/41
Out: -288.551+/-111.711 χ²/NDF:98.6/45
All: -134.493+/-78.977 χ²/NDF: 146.1/87



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: 597.189+/-0.152 χ^2/NDF: 2384624.7/21

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

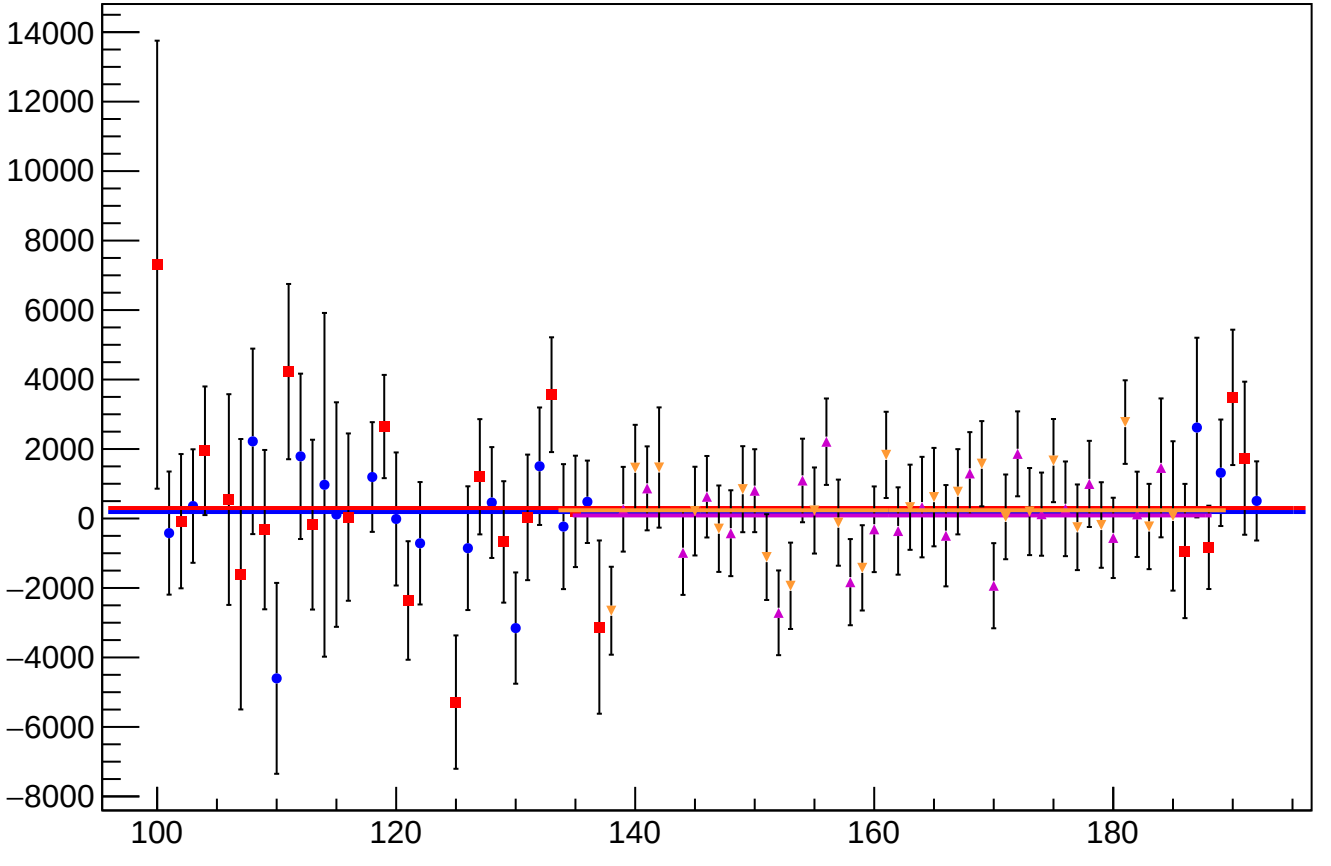
Right: 597.079+/-0.107 χ^2/NDF: 4243768.0/40

In: 563.792+/-0.079 χ^2/NDF:2987189.2/41

Out: 563.740+/-0.079 χ^2/NDF:3677177.9/45

All: 563.766+/-0.056 χ^2/NDF: 6664367.3/87

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



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: 301.754+/-413.142 χ^2/NDF: 29.0/21

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

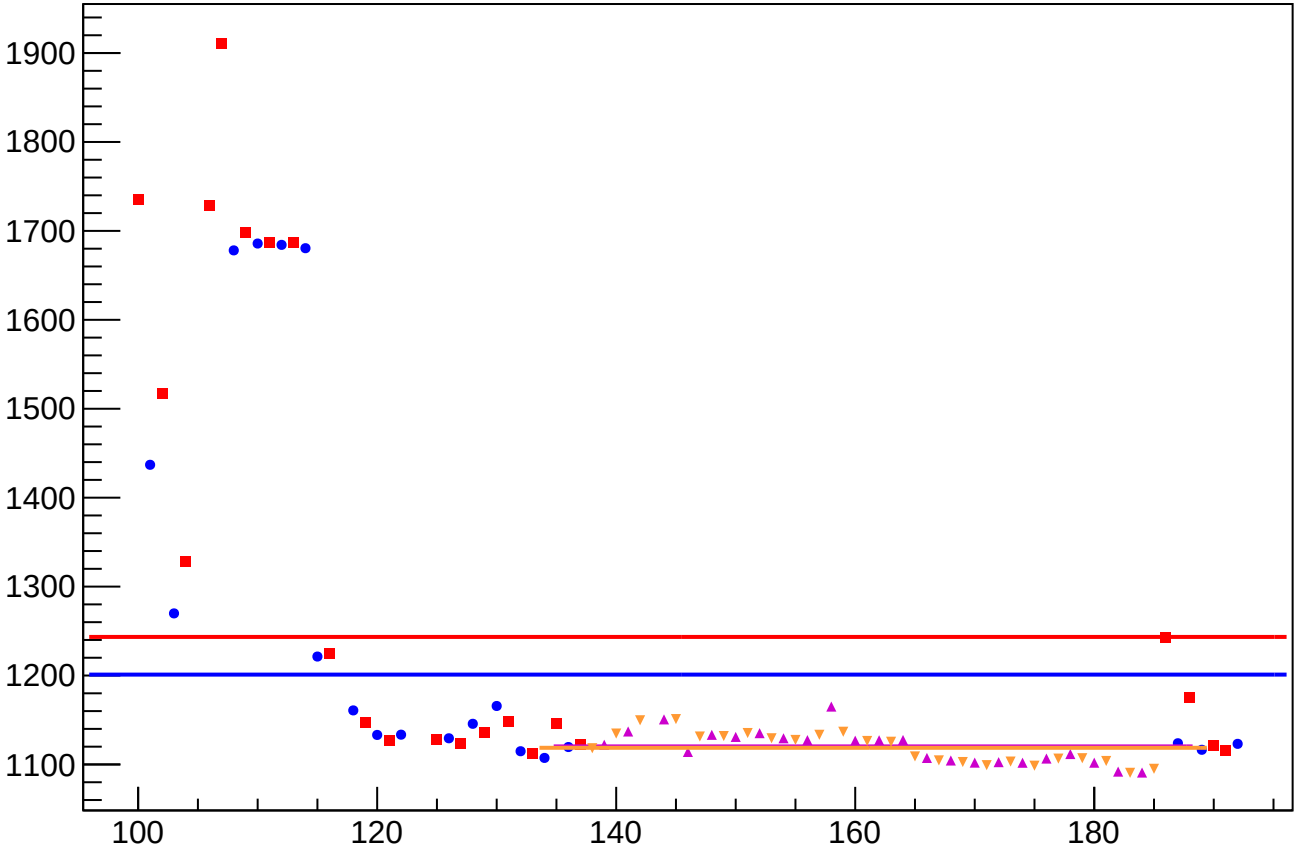
Right: 242.837+/-289.328 χ^2/NDF: 40.9/40

In: 117.120+/-219.796 χ^2/NDF:32.8/41

Out: 255.080+/-219.850 χ^2/NDF:51.8/45

All: 186.083+/-155.438 χ^2/NDF: 84.7/87

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: 1243.407+/-0.292 χ^2/NDF: 466109.2/21

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

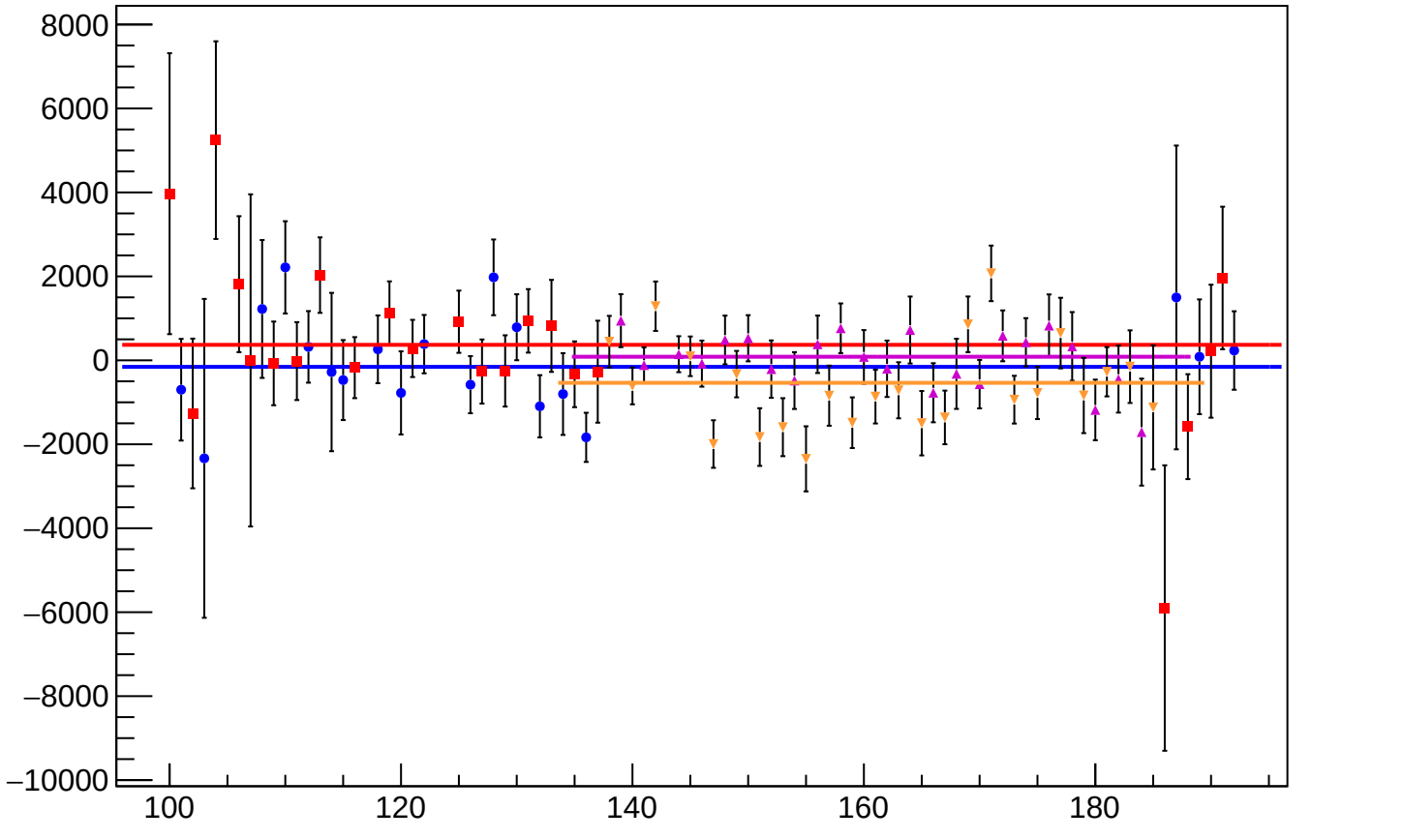
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

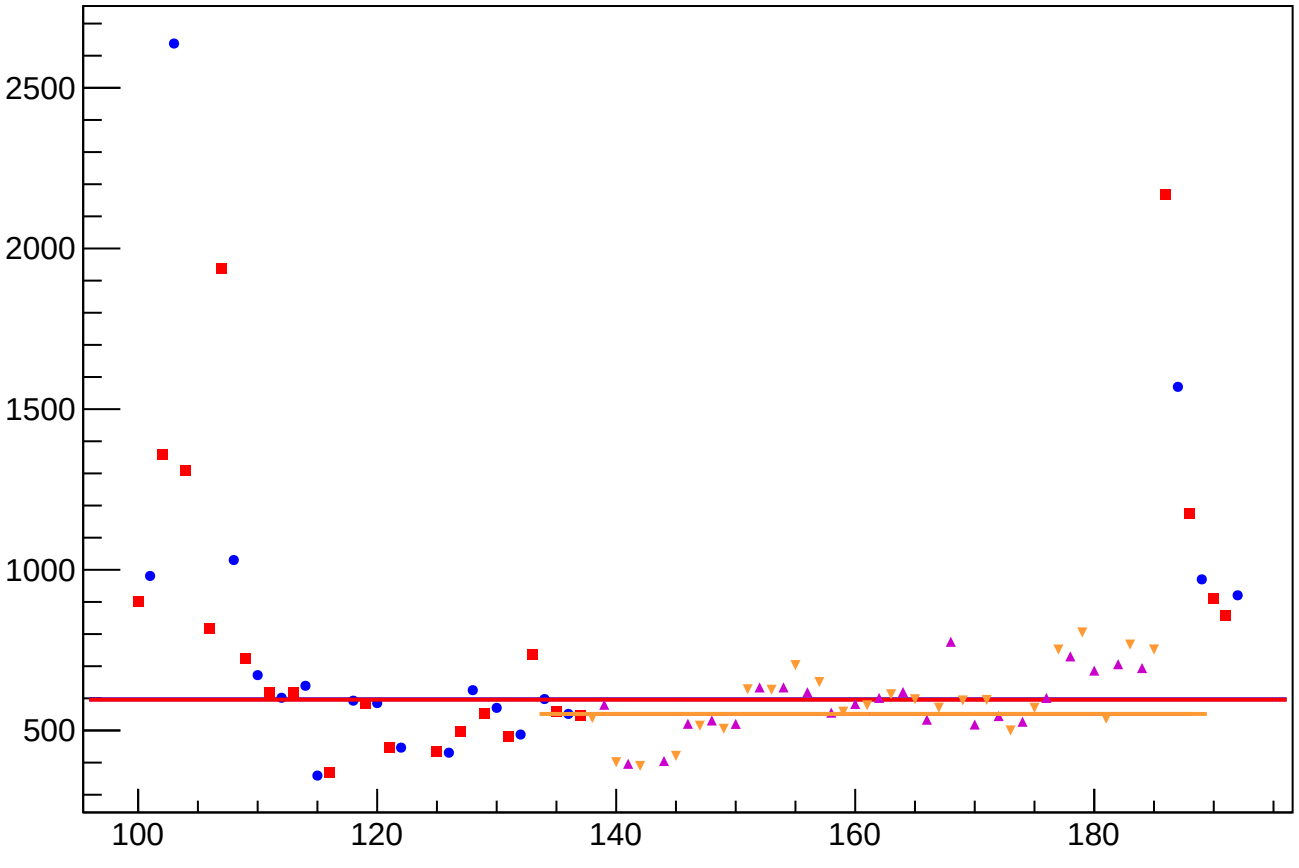
Right: 1221.816+/-0.205 χ^2/NDF: 793873.8/40

In: 1144.049+/-0.155 χ^2/NDF:382533.3/41

Out: 1154.038+/-0.155 χ^2/NDF:604869.5/45

All: 1149.042+/-0.110 χ^2/NDF: 989467.7/87


asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
Right In: -155.815+/-213.740 χ²/NDF: 25.7/18
Left Out: -535.930+/-130.646 χ²/NDF:61.6/23
Right Out: 369.004+/-215.752 χ²/NDF: 22.7/21
Left In: 85.243+/-130.966 χ²/NDF:17.1/22
Left: -226.102+/-92.493 χ²/NDF: 90.0/46
Right: 104.136+/-151.844 χ²/NDF: 51.4/40
In: 19.444+/-111.670 χ²/NDF:43.8/41
Out: -293.139+/-111.754 χ²/NDF:97.2/45
All: -136.730+/-78.992 χ²/NDF: 144.8/87



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: 595.909+/-0.153 χ^2/NDF: 2365884.5/21

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

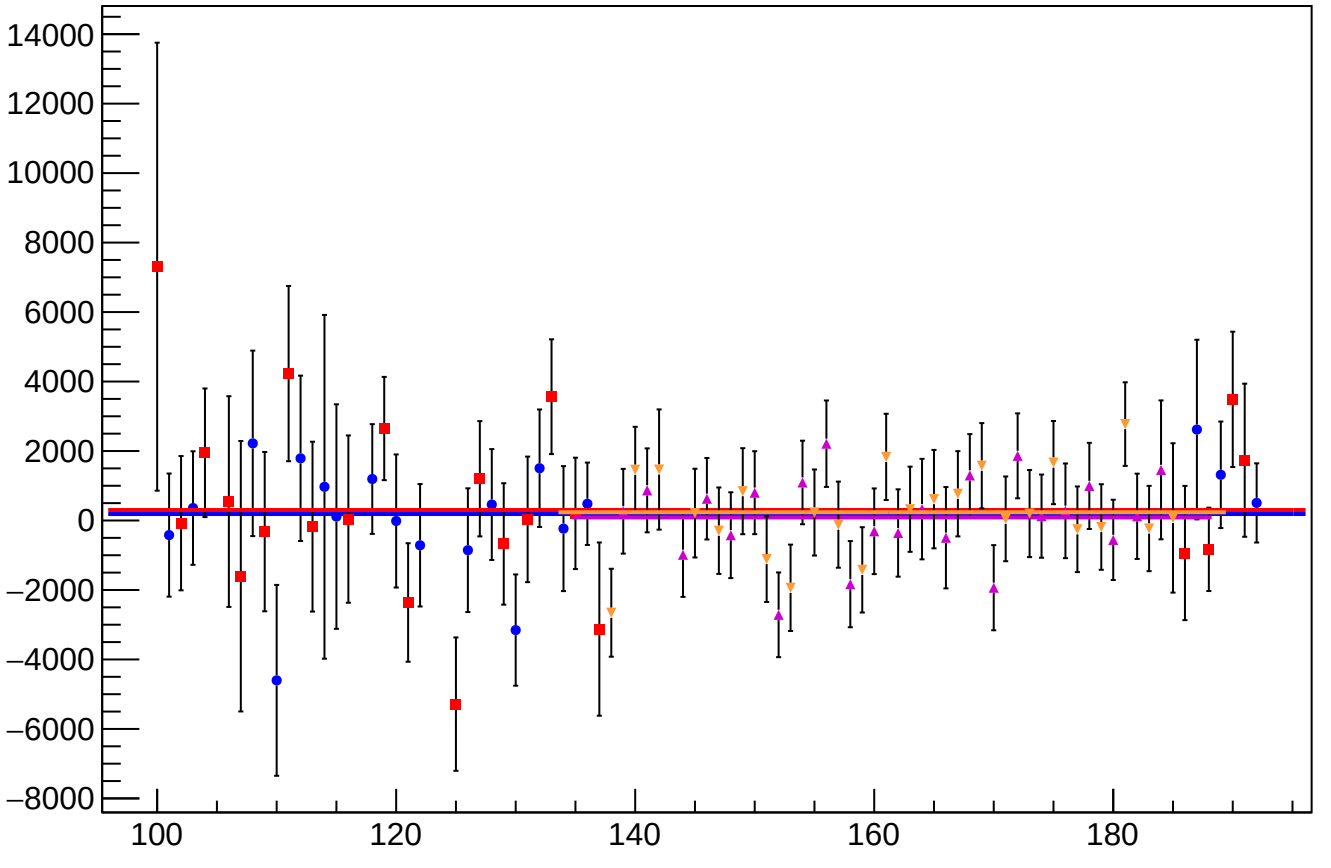
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 596.442+/-0.107 χ^2/NDF: 4225040.5/40

In: 563.791+/-0.079 χ^2/NDF:2987135.7/41

Out: 563.370+/-0.079 χ^2/NDF:3654685.4/45

All: 563.581+/-0.056 χ^2/NDF: 6641835.3/87



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: 301.754+/-413.142 χ^2/NDF: 29.0/21

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

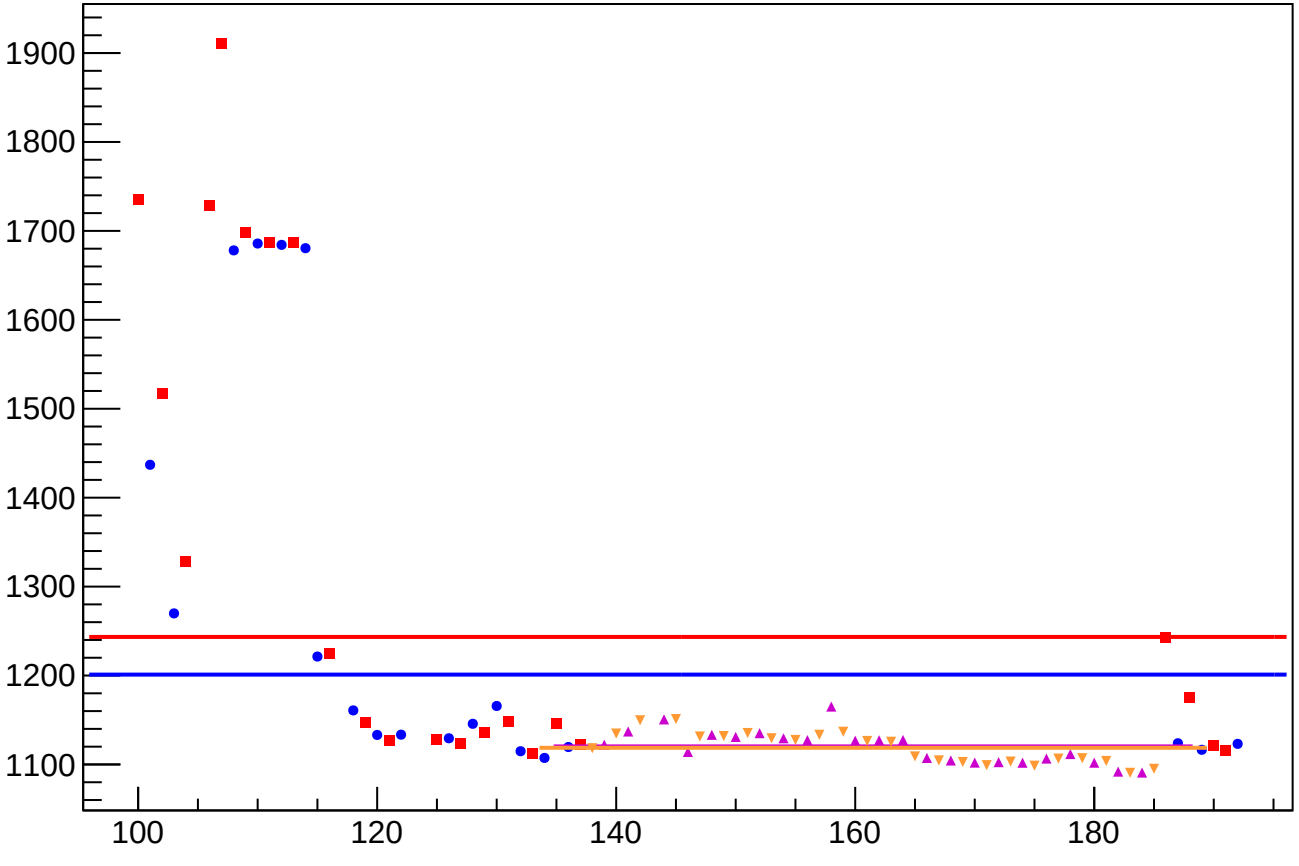
Right: 242.837+/-289.328 χ^2/NDF: 40.9/40

In: 117.120+/-219.796 χ^2/NDF:32.8/41

Out: 255.080+/-219.850 χ^2/NDF:51.8/45

All: 186.083+/-155.438 χ^2/NDF: 84.7/87

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: 1243.407+/-0.292 χ^2/NDF: 466109.2/21

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

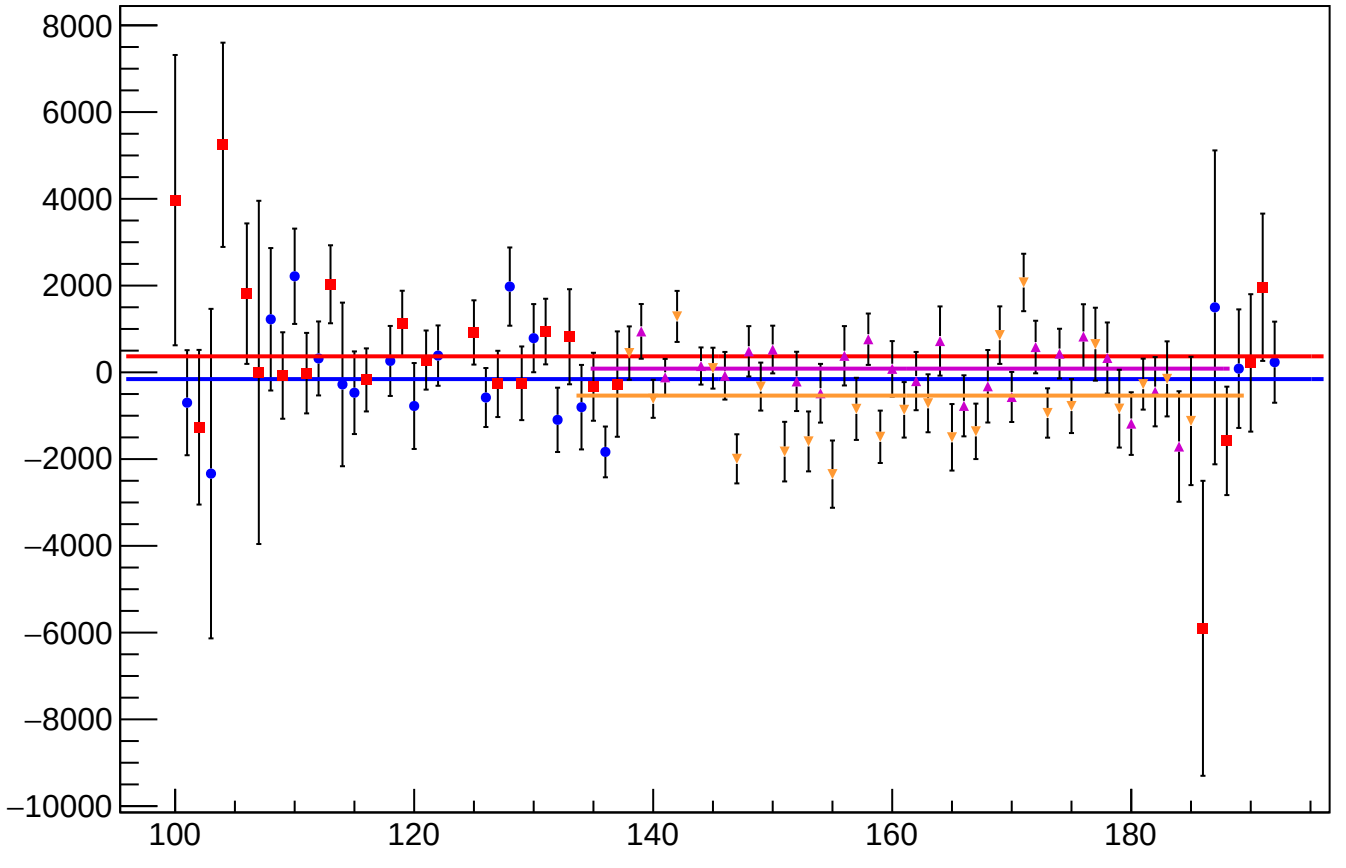
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1221.816+/-0.205 χ^2/NDF: 793873.8/40

In: 1144.049+/-0.155 χ^2/NDF:382533.3/41

Out: 1154.038+/-0.155 χ^2/NDF:604869.5/45

All: 1149.042+/-0.110 χ^2/NDF: 989467.7/87



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: 369.004+/-215.752 χ^2/NDF: 22.7/21

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

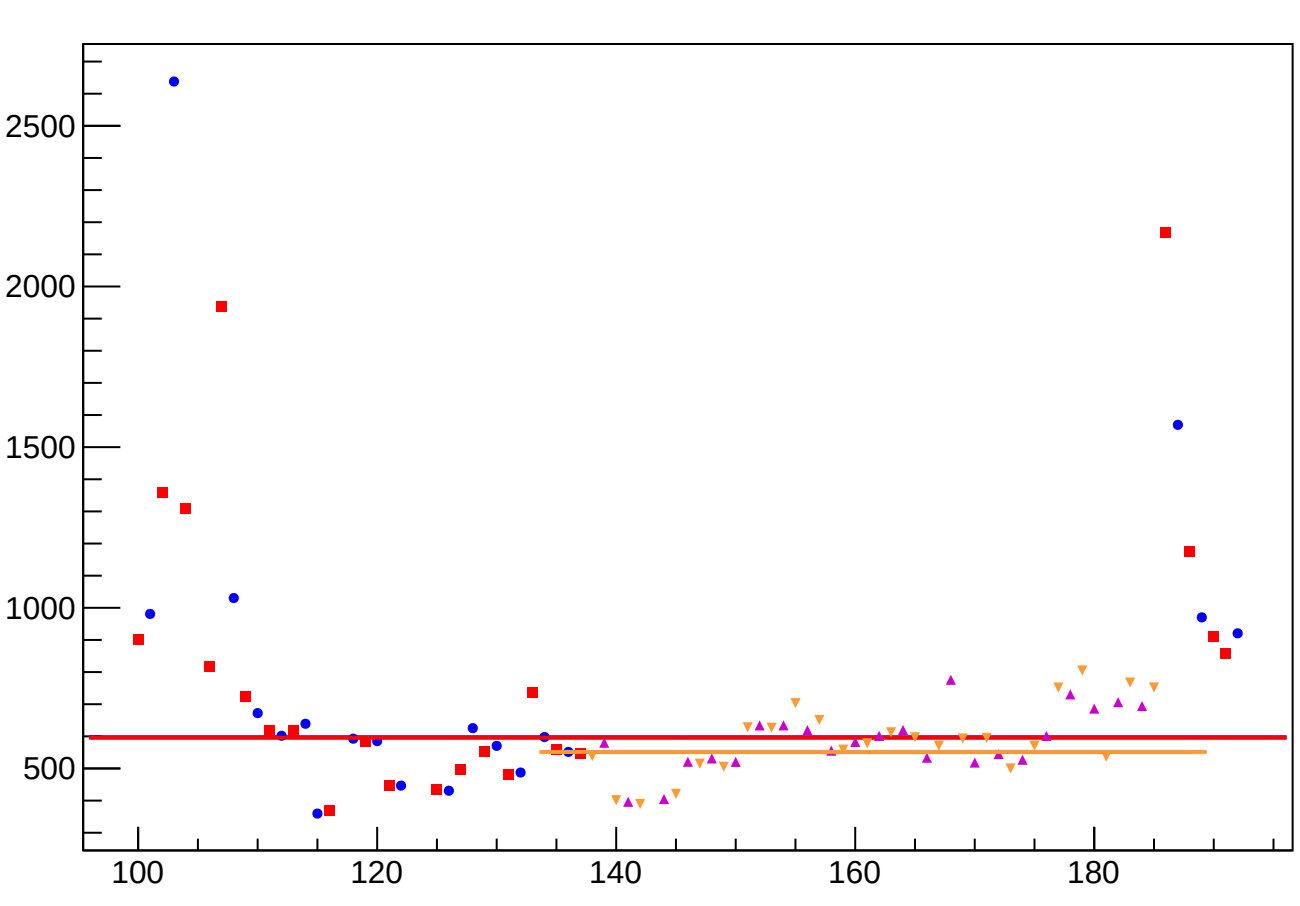
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 104.136+/-151.844 χ^2/NDF: 51.4/40

In: 19.444+/-111.670 χ^2/NDF:43.8/41

Out: -293.139+/-111.754 χ^2/NDF:97.2/45

All: -136.730+/-78.992 χ^2/NDF: 144.8/87



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: 595.909+/-0.153 χ^2/NDF: 2365884.5/21

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

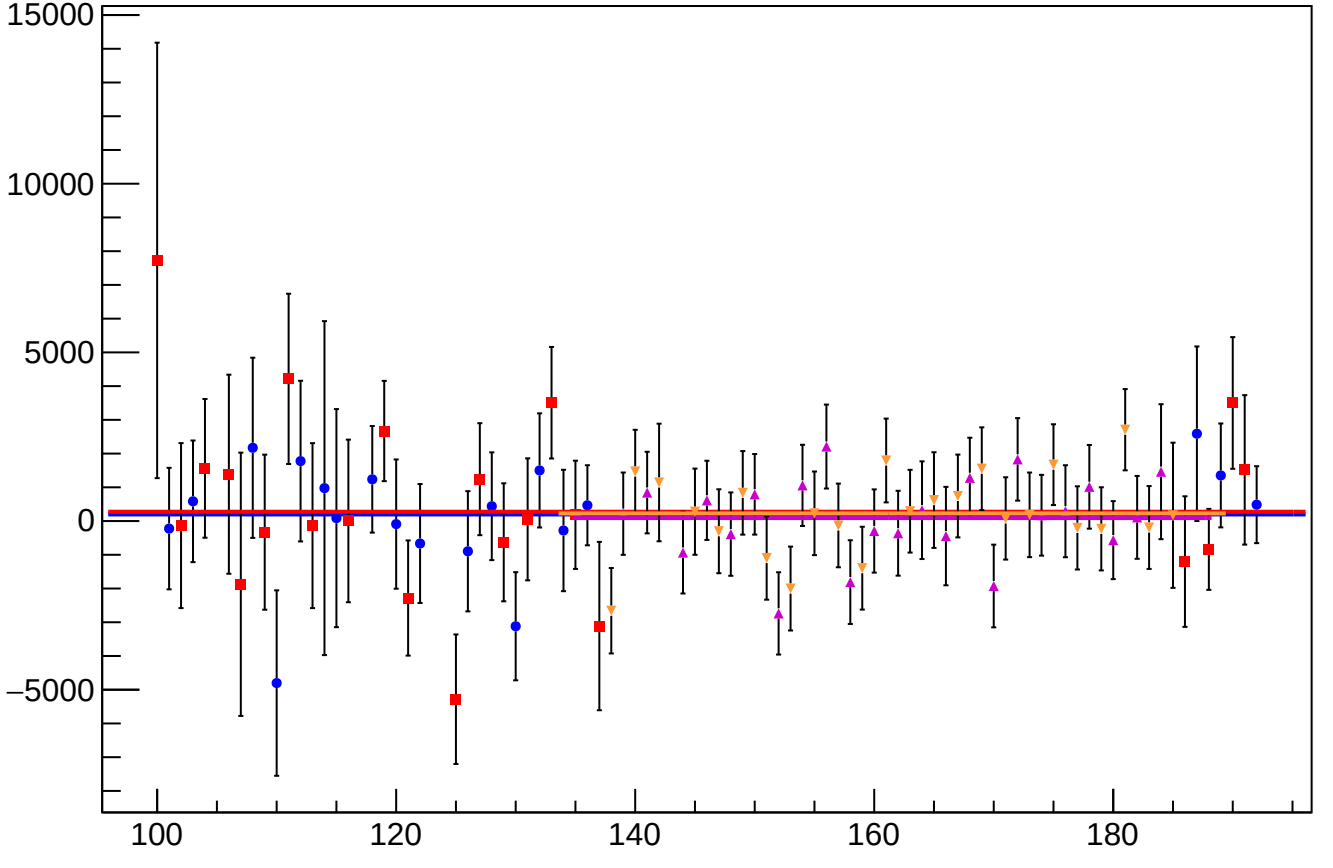
Right: 596.442+/-0.107 χ^2/NDF: 4225040.5/40

In: 563.791+/-0.079 χ^2/NDF:2987135.7/41

Out: 563.370+/-0.079 χ^2/NDF:3654685.4/45

All: 563.581+/-0.056 χ^2/NDF: 6641835.3/87

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: 276.848+/-418.887 χ^2/NDF: 28.7/21

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

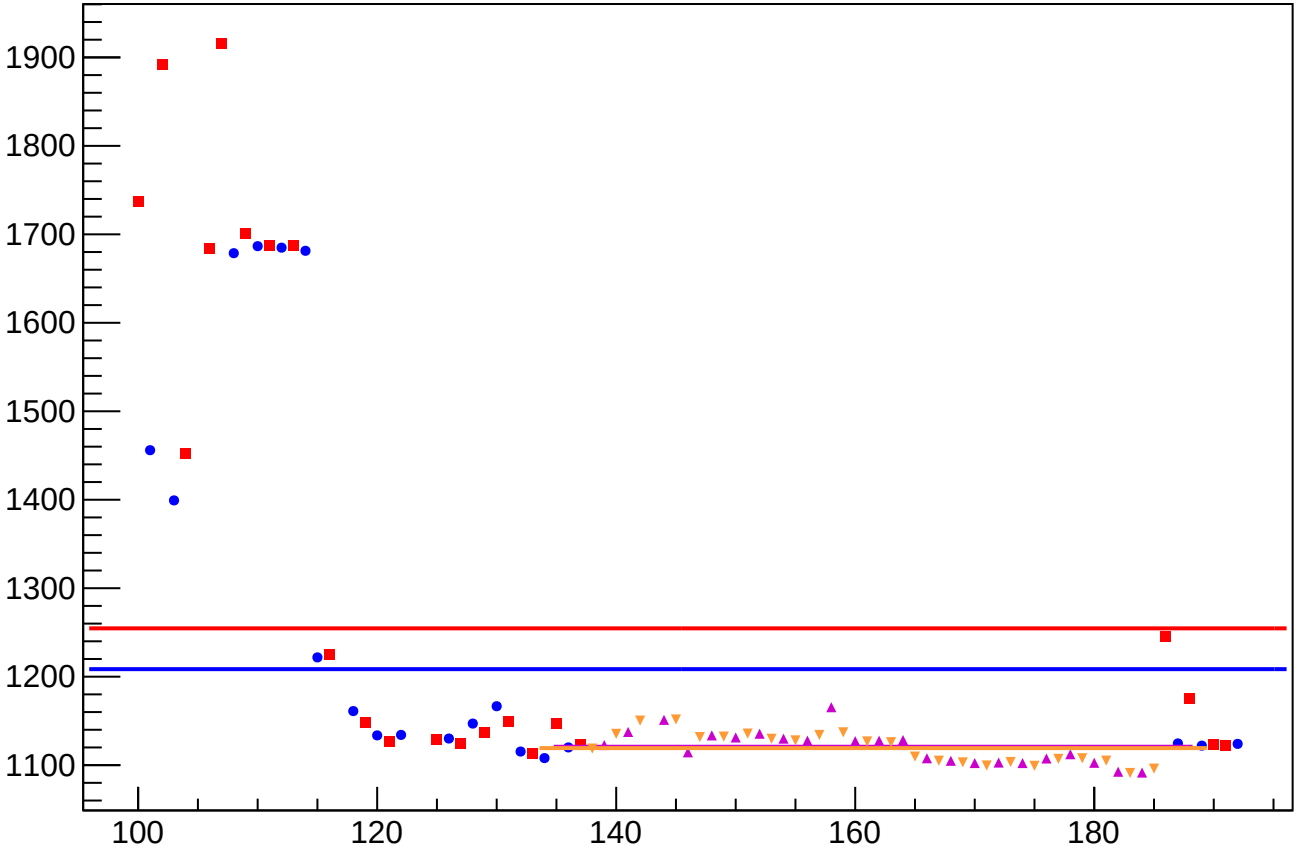
Right: 235.377+/-292.361 χ^2/NDF: 40.7/40

In: 120.218+/-220.328 χ^2/NDF:32.6/41

Out: 239.885+/-220.801 χ^2/NDF:50.9/45

All: 179.923+/-155.963 χ^2/NDF: 83.7/87

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: 1254.620+/-0.296 χ^2/NDF: 574878.9/21

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

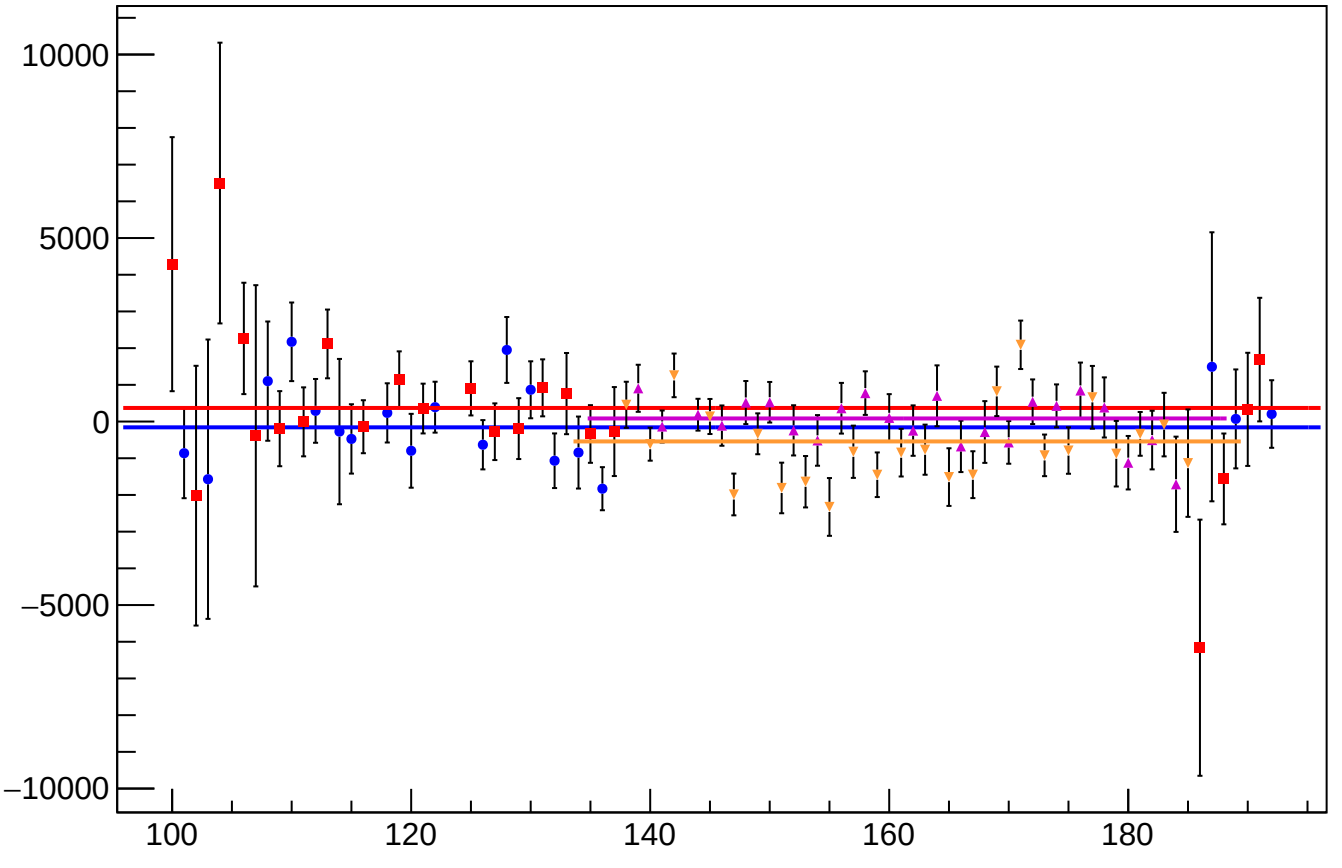
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1230.976+/-0.207 χ^2/NDF: 927724.8/40

In: 1146.351+/-0.156 χ^2/NDF:415290.0/41

Out: 1156.868+/-0.156 χ^2/NDF:733842.5/45

All: 1151.598+/-0.110 χ^2/NDF: 1151406.4/87



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: 370.259+/-218.300 χ^2/NDF: 21.3/21

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

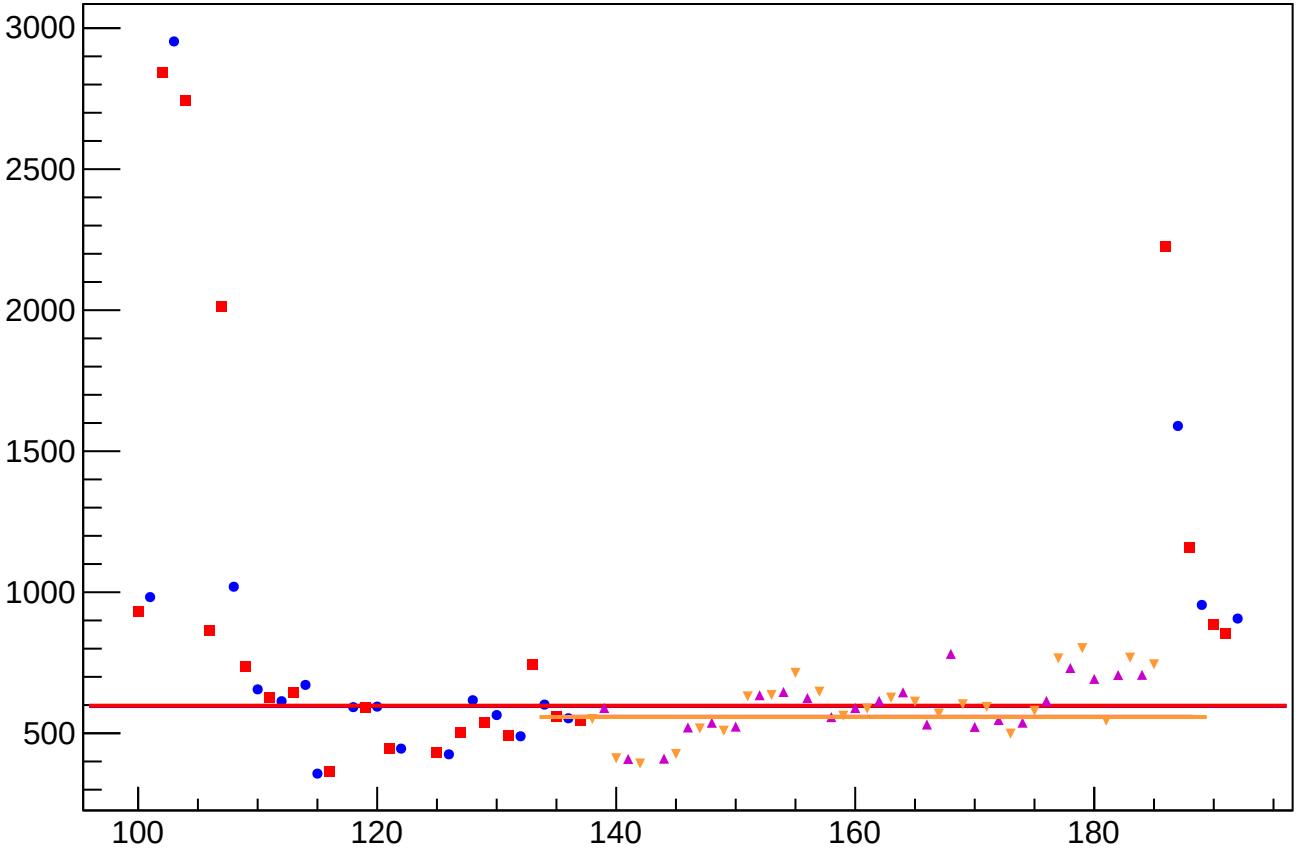
Right: 100.199+/-152.604 χ^2/NDF: 50.0/40

In: 16.749+/-112.598 χ^2/NDF:43.0/41

Out: -297.425+/-112.963 χ^2/NDF:95.0/45

All: -139.830+/-79.748 χ^2/NDF: 141.9/87

asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected



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: 597.782+/-0.154 χ^2/NDF: 3286852.0/21

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

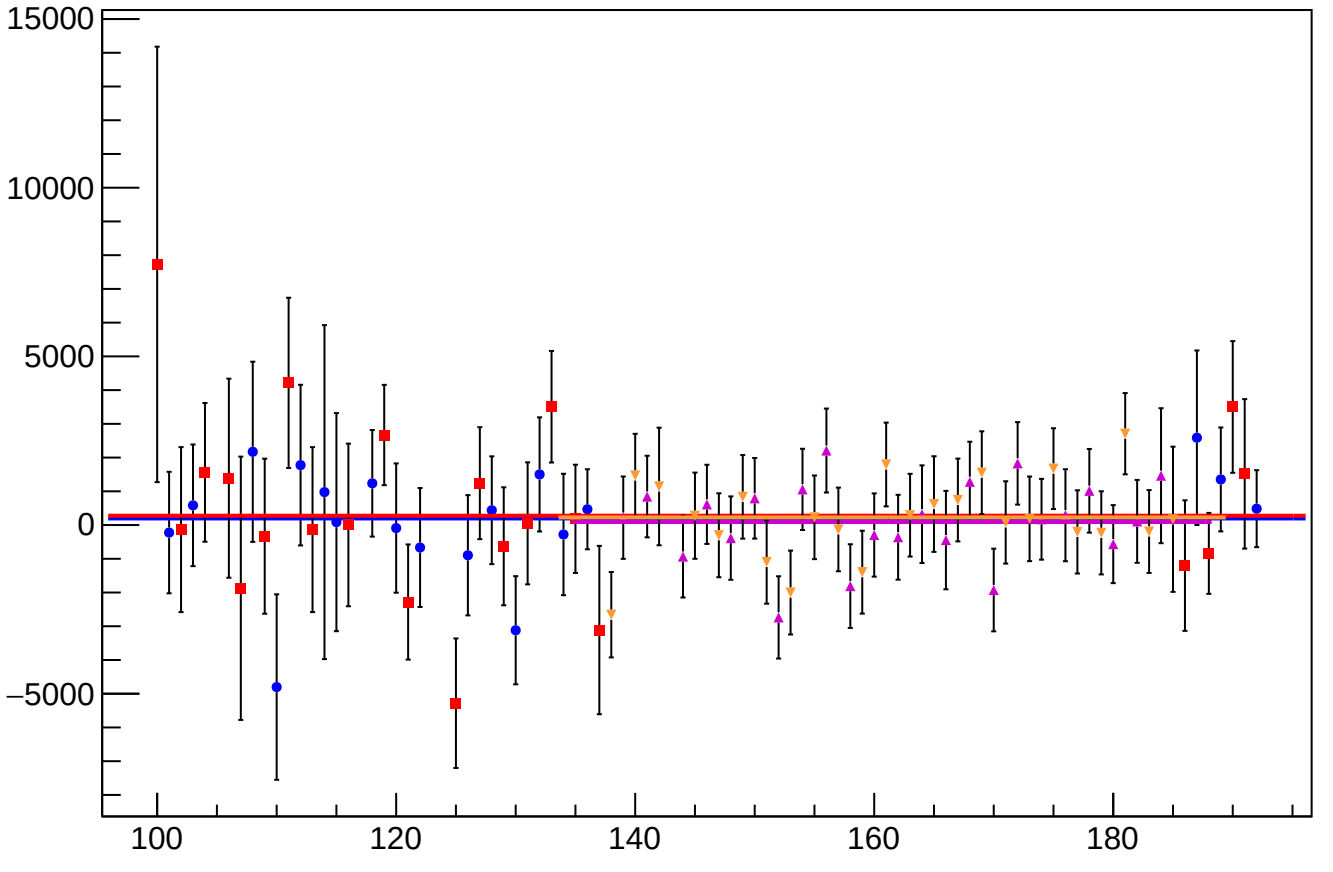
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 597.125+/-0.108 χ^2/NDF: 5323068.1/40

In: 569.000+/-0.080 χ^2/NDF:3110004.9/41

Out: 568.354+/-0.080 χ^2/NDF:4529760.3/45

All: 568.678+/-0.056 χ^2/NDF: 7639798.1/87



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: 276.848+/-418.887 χ^2/NDF: 28.7/21

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

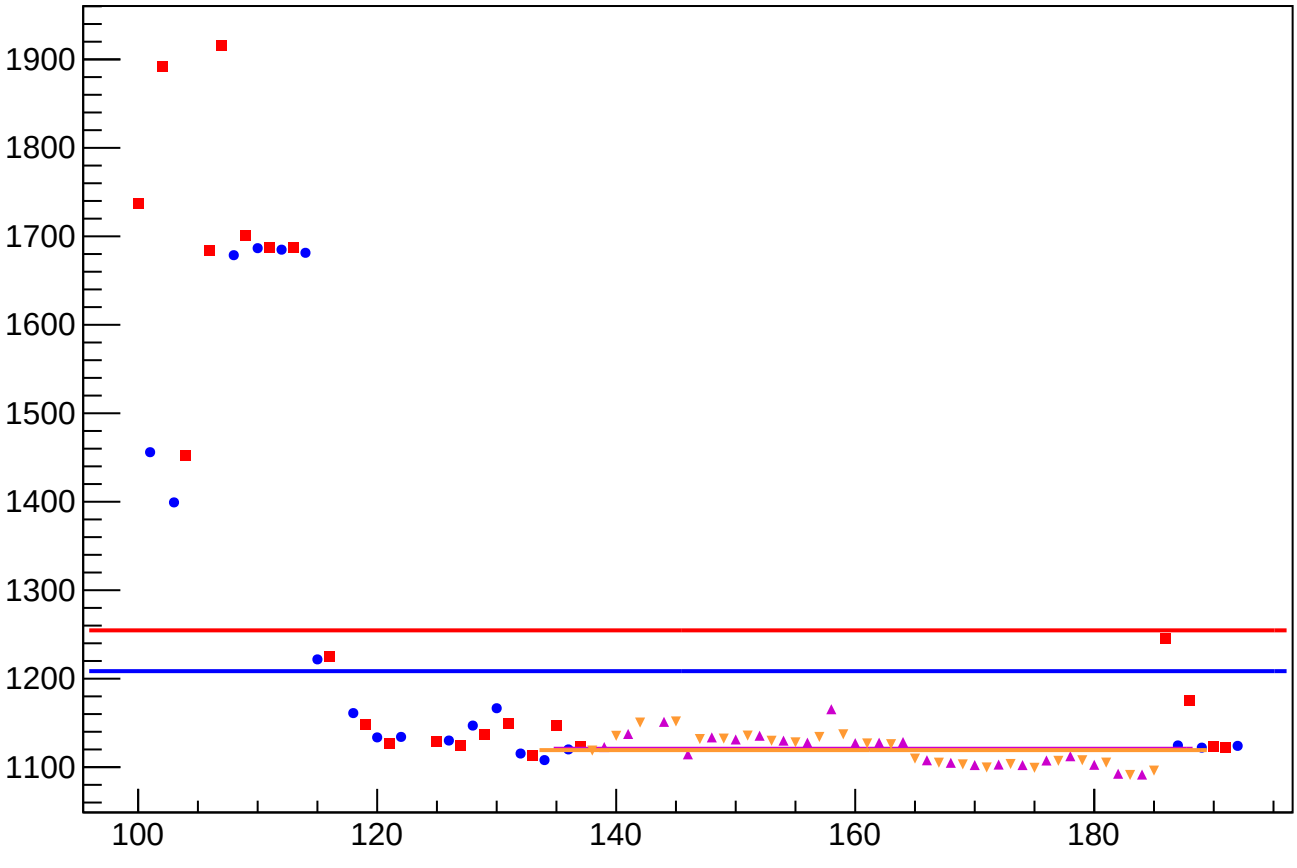
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 235.377+/-292.361 χ^2/NDF: 40.7/40

In: 120.219+/-220.328 χ^2/NDF:32.6/41

Out: 239.883+/-220.801 χ^2/NDF:50.9/45

All: 179.923+/-155.963 χ^2/NDF: 83.7/87



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: 1254.620+/-0.296 χ^2/NDF: 574878.3/21

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

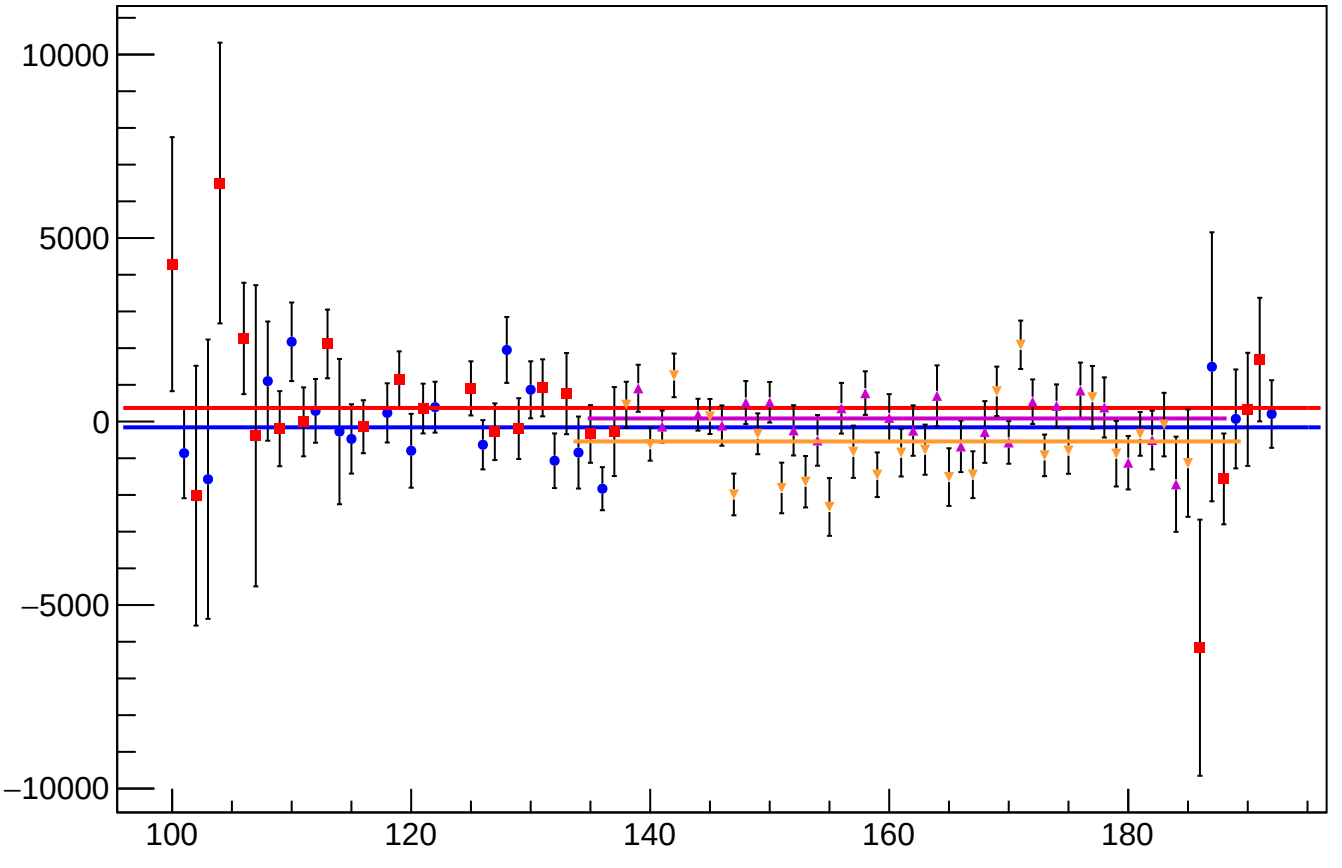
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1230.976+/-0.207 χ^2/NDF: 927723.8/40

In: 1146.351+/-0.156 χ^2/NDF:415289.4/41

Out: 1156.868+/-0.156 χ^2/NDF:733841.8/45

All: 1151.598+/-0.110 χ^2/NDF: 1151405.1/87



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: 370.260+/-218.300 χ^2/NDF: 21.3/21

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

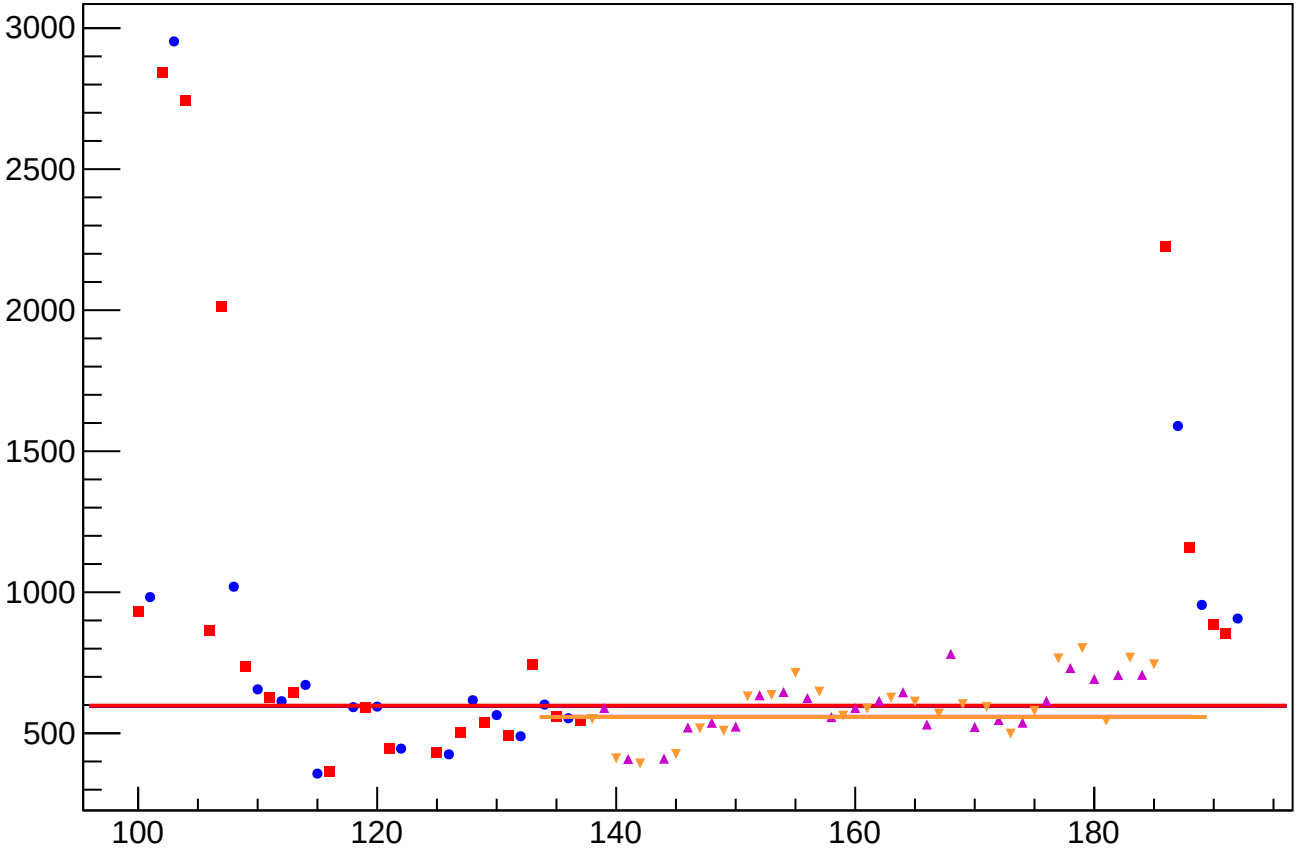
Right: 100.200+/-152.604 χ^2/NDF: 50.0/40

In: 16.749+/-112.598 χ^2/NDF:43.0/41

Out: -297.425+/-112.963 χ^2/NDF:95.0/45

All: -139.830+/-79.748 χ^2/NDF: 141.9/87

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: 597.782+/-0.154 χ^2/NDF: 3286852.5/21

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

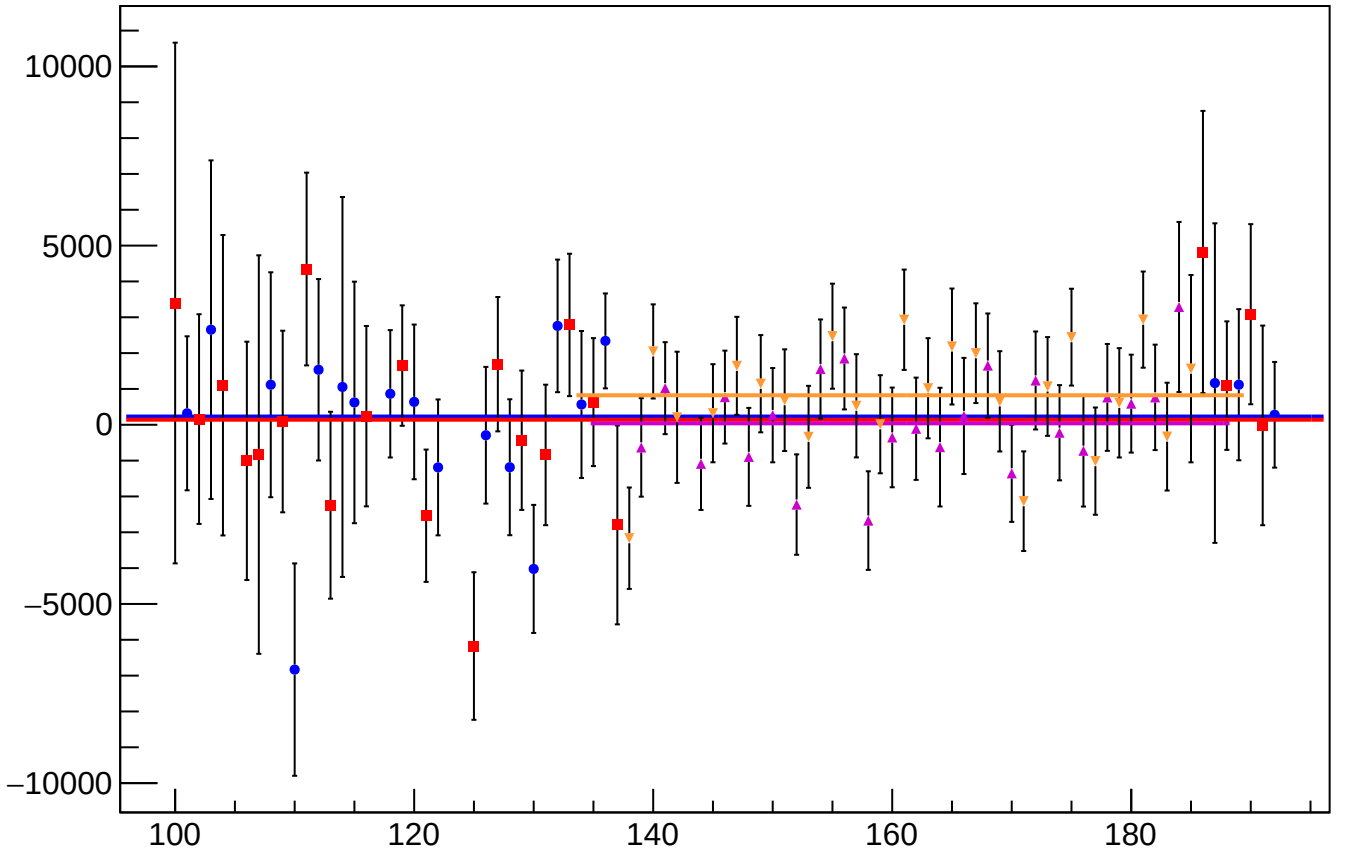
Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

Right: 597.125+/-0.108 χ^2/NDF: 5323065.6/40

In: 569.000+/-0.080 χ^2/NDF:3110017.5/41

Out: 568.353+/-0.080 χ^2/NDF:4529783.4/45

All: 568.677+/-0.056 χ^2/NDF: 7639833.8/87



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: 141.491+/-502.092 χ^2/NDF: 23.1/21

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

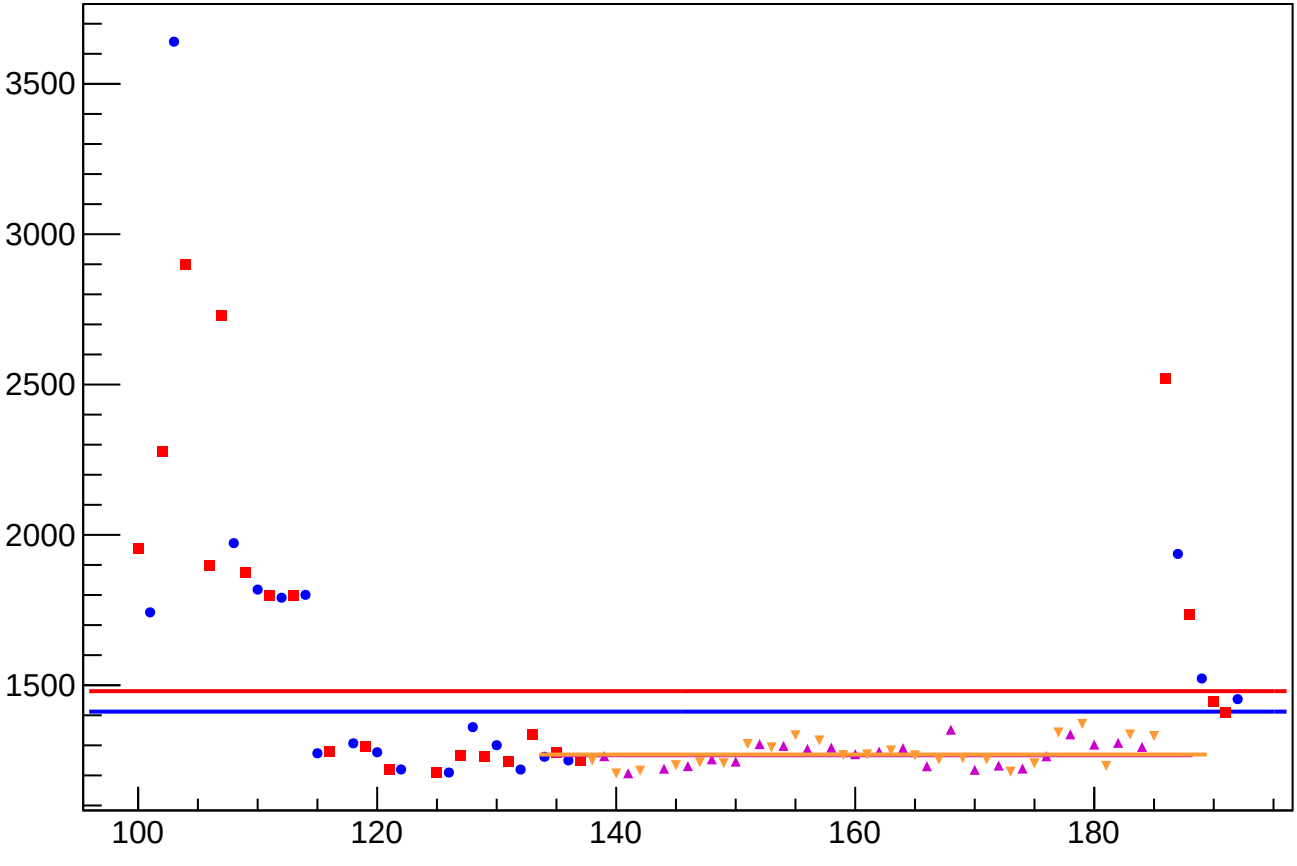
Right: 187.175+/-348.504 χ^2/NDF: 41.1/40

In: 91.385+/-252.540 χ^2/NDF:36.0/41

Out: 648.495+/-254.242 χ^2/NDF:50.6/45

All: 368.069+/-179.172 χ^2/NDF: 89.0/87

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: 1480.234+/-0.355 χ^2/NDF: 1047493.1/21

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

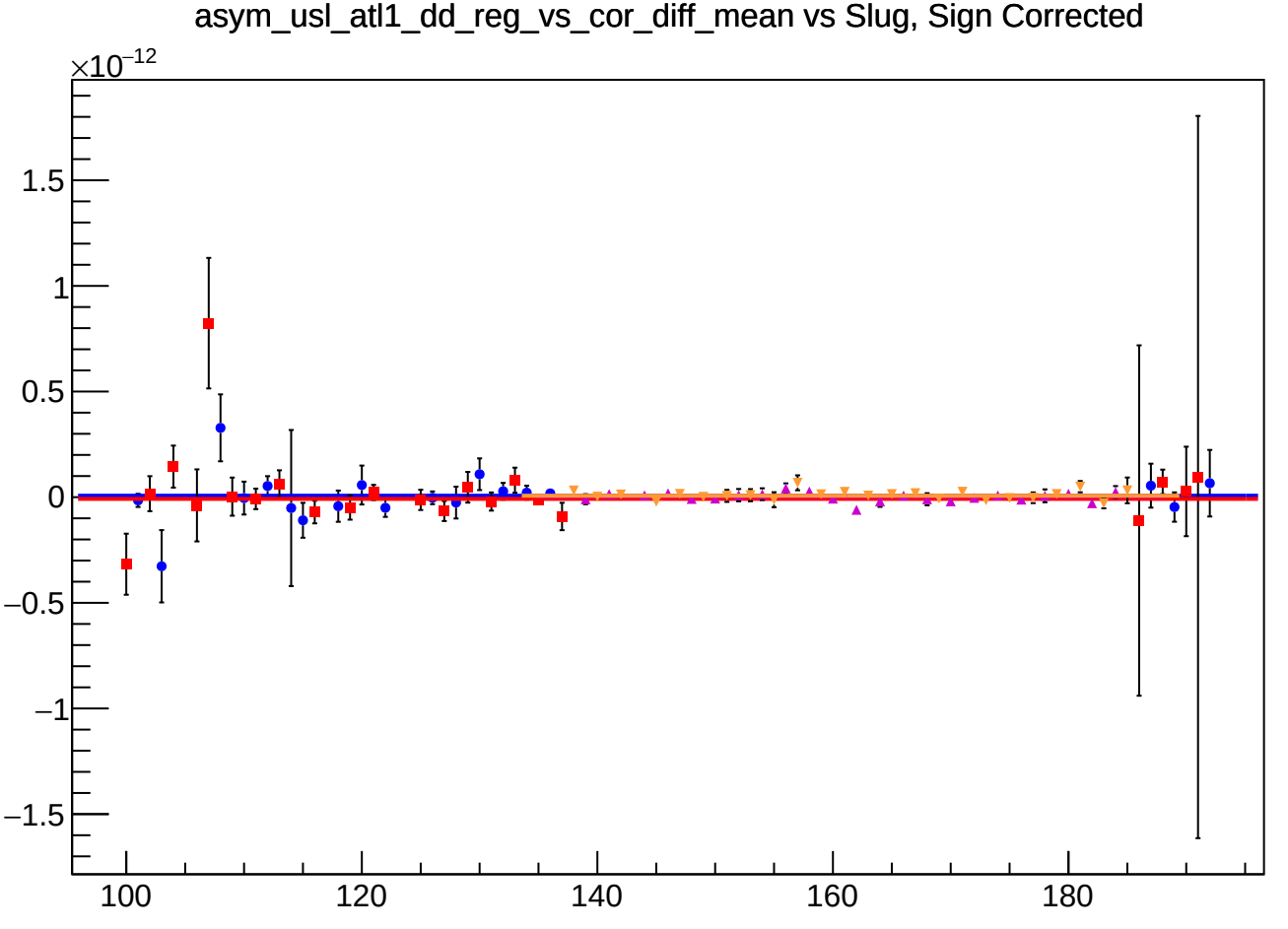
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1444.970+/-0.246 χ^2/NDF: 1883288.6/40

In: 1306.556+/-0.179 χ^2/NDF:982118.4/41

Out: 1323.489+/-0.180 χ^2/NDF:1352660.2/45

All: 1314.966+/-0.127 χ^2/NDF: 2339244.2/87



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: 26.1/21

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

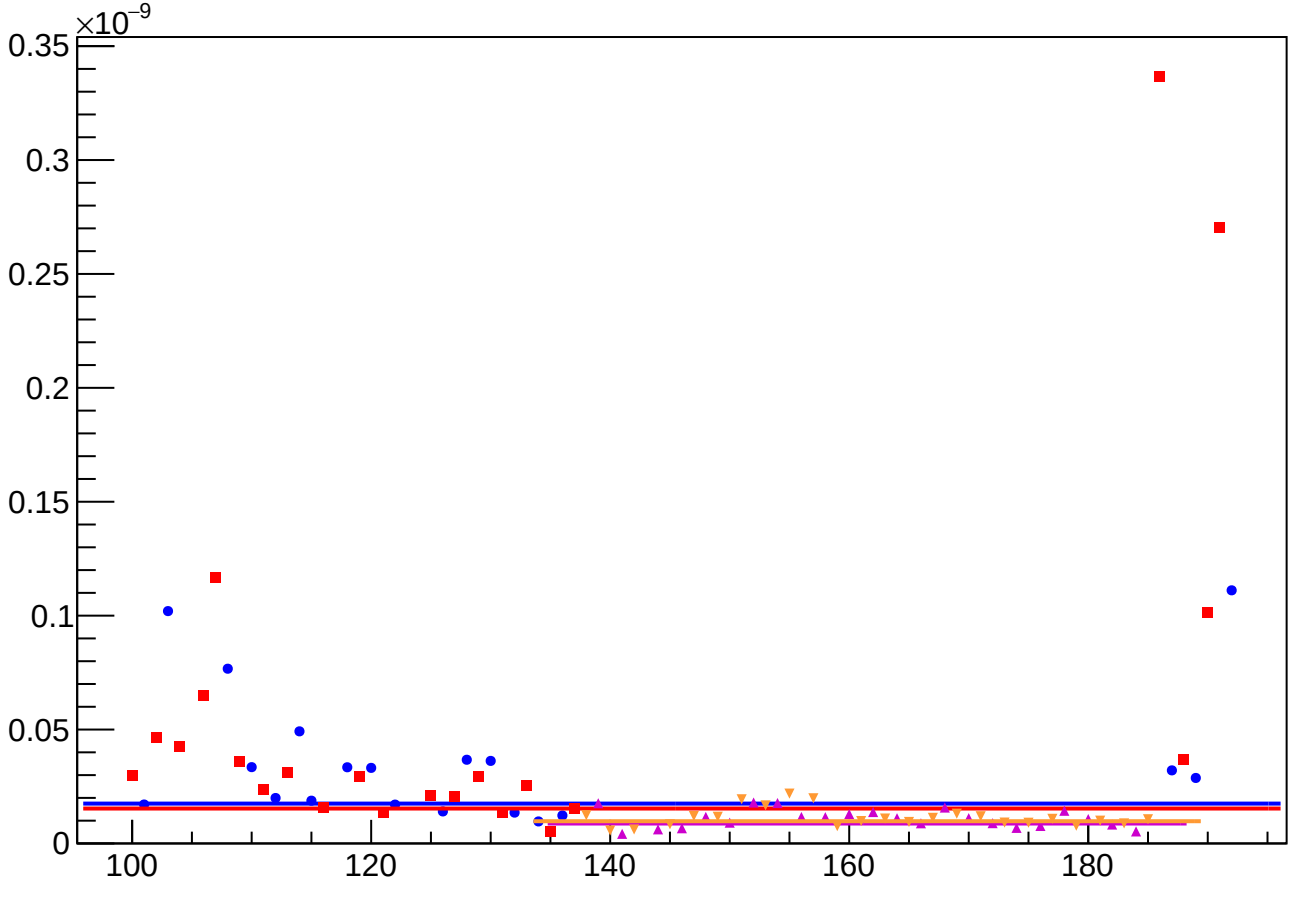
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 44.9/40

In: 0.000+/-0.000 χ^2/NDF:40.9/41

Out: 0.000+/-0.000 χ^2/NDF:47.7/45

All: 0.000+/-0.000 χ^2/NDF: 88.6/87



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: 3222076.7/21

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

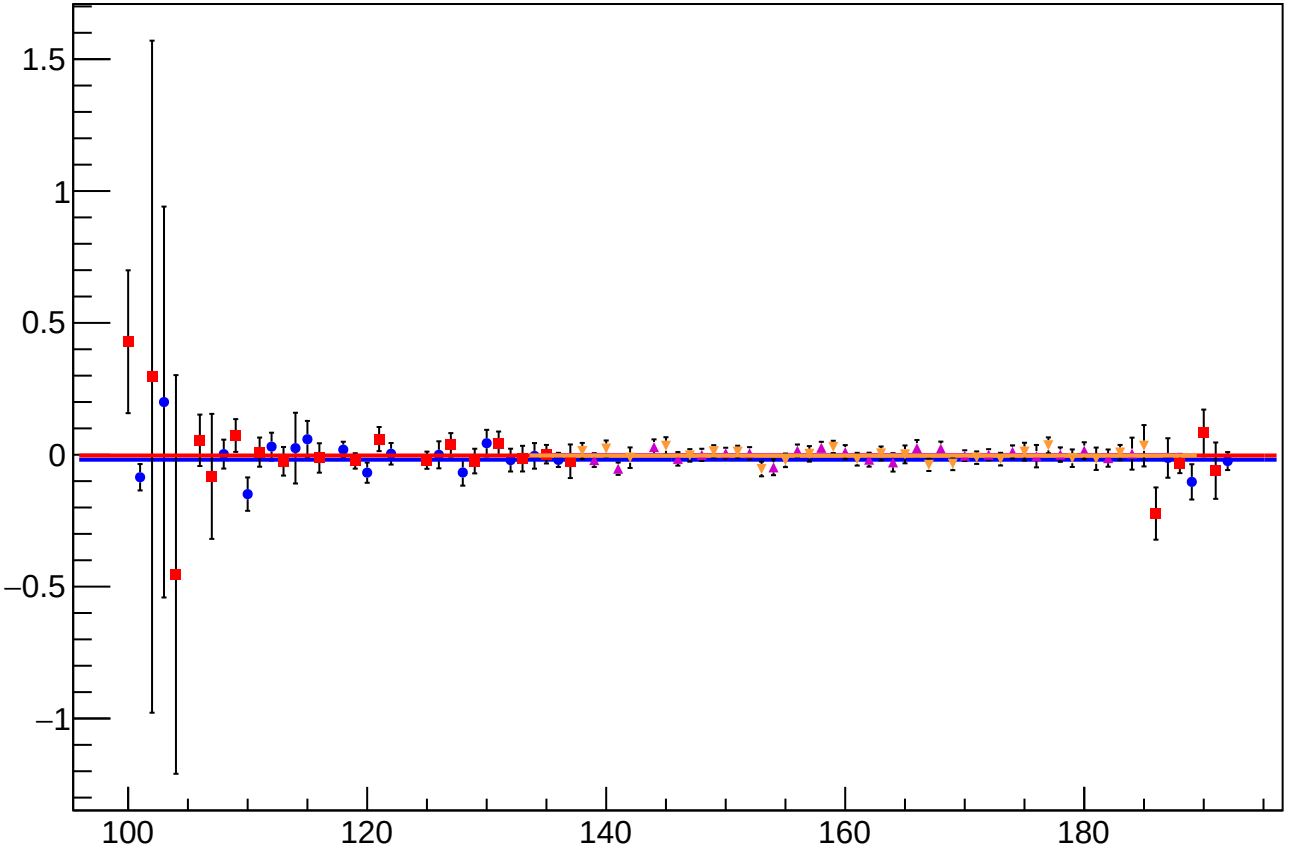
Right: 0.000+/-0.000 χ^2/NDF: 5648284.6/40

In: 0.000+/-0.000 χ^2/NDF:5513820.5/41

Out: 0.000+/-0.000 χ^2/NDF:5095523.7/45

All: 0.000+/-0.000 χ^2/NDF: 10655119.9/87

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: -0.003+/-0.011 χ^2/NDF: 16.9/21

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

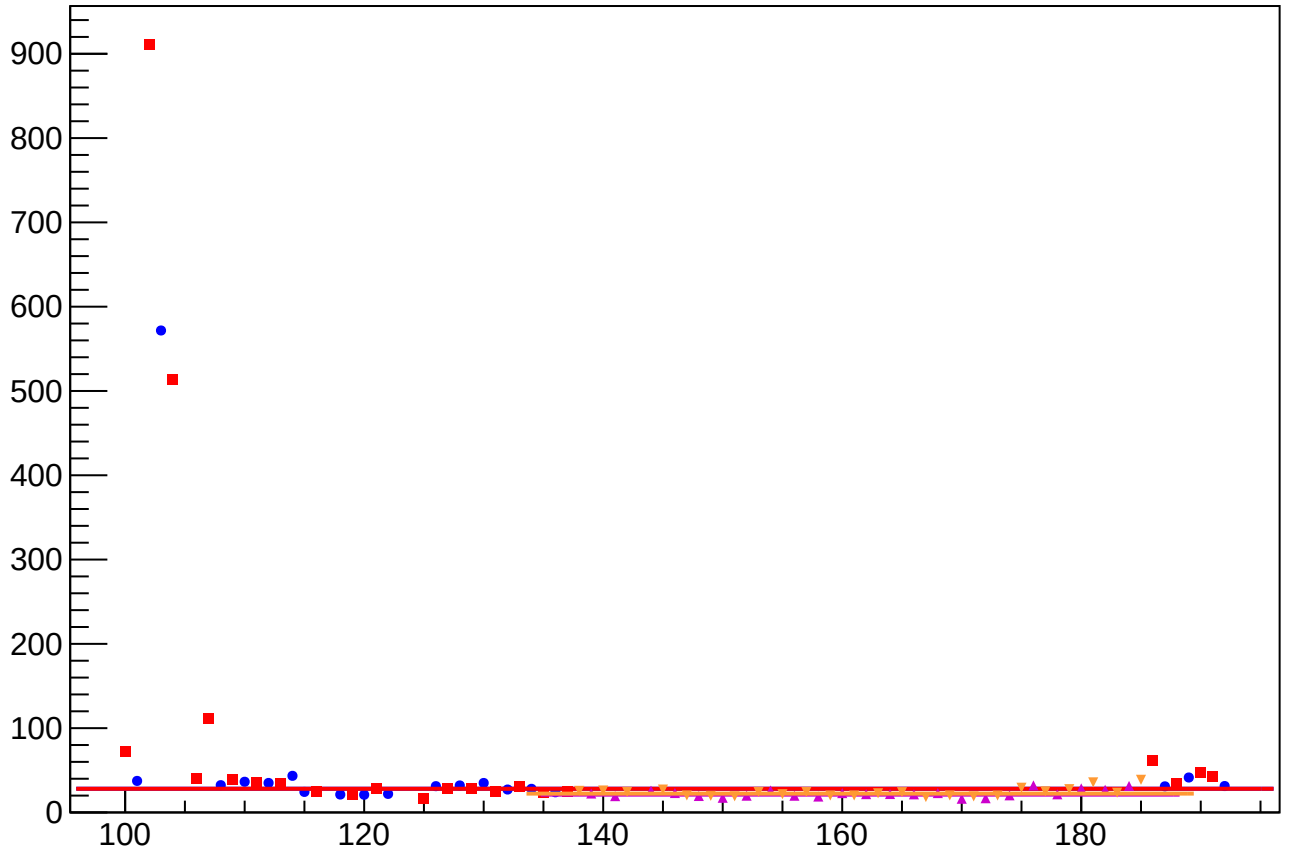
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: -0.011+/-0.008 χ^2/NDF: 34.3/40

In: -0.005+/-0.005 χ^2/NDF:33.4/41

Out: -0.003+/-0.005 χ^2/NDF:33.3/45

All: -0.004+/-0.004 χ^2/NDF: 66.8/87



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: 28.094+/-0.008 χ^2/NDF: 3075175.8/21

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

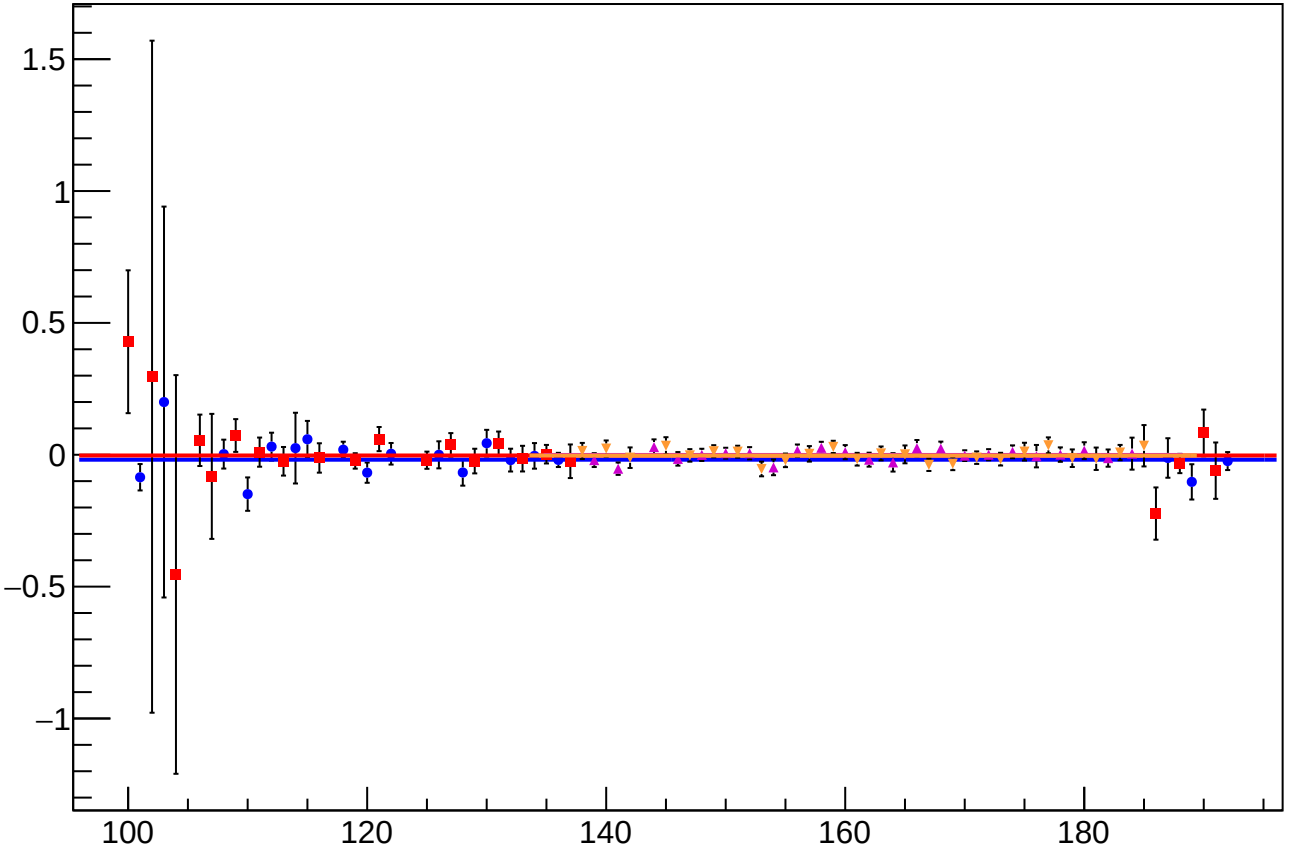
Right: 28.117+/-0.005 χ^2/NDF: 4753697.4/40

In: 22.557+/-0.003 χ^2/NDF:3184865.6/41

Out: 23.532+/-0.004 χ^2/NDF:4309272.4/45

All: 23.025+/-0.002 χ^2/NDF: 7532623.1/87

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: -0.003+/-0.011 χ^2/NDF: 16.9/21

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

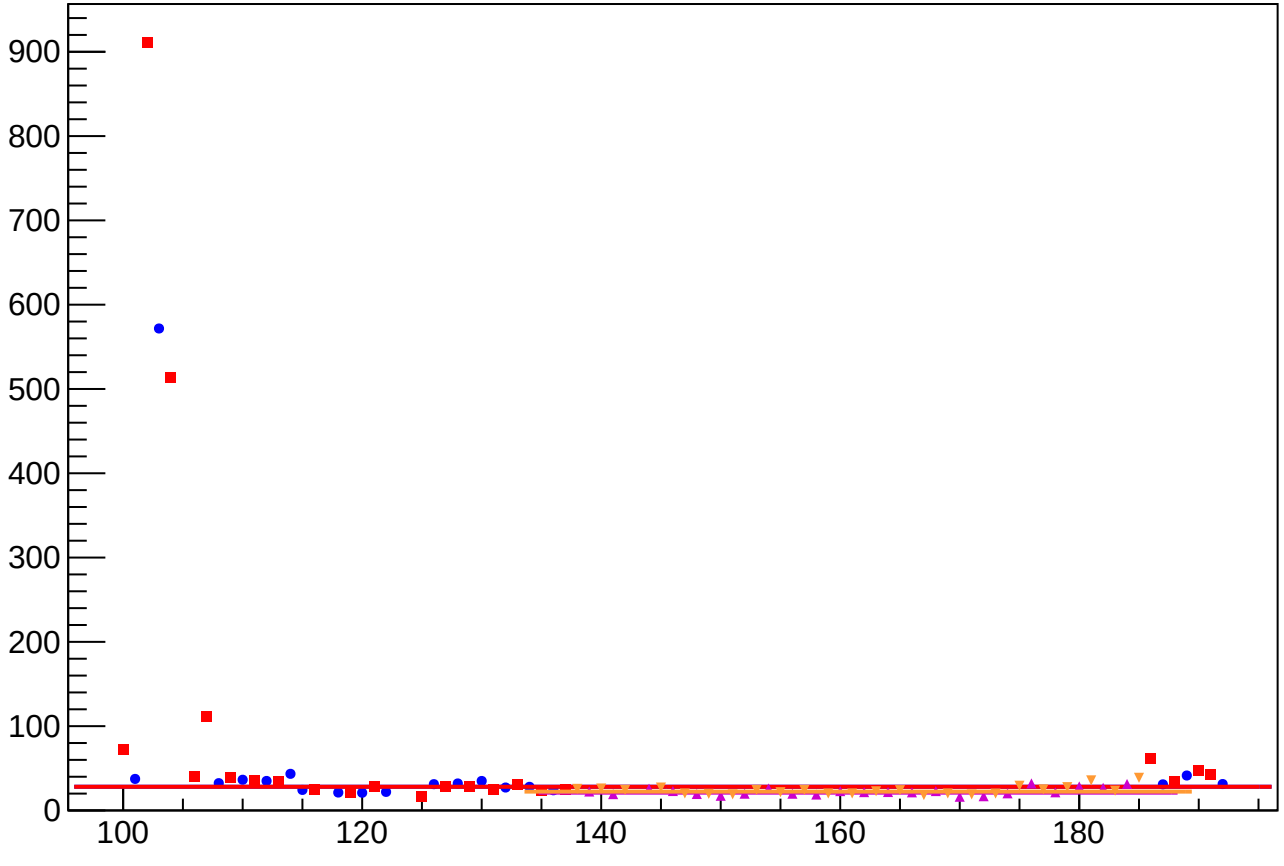
Right: -0.011+/-0.008 χ^2/NDF: 34.3/40

In: -0.005+/-0.005 χ^2/NDF:33.4/41

Out: -0.003+/-0.005 χ^2/NDF:33.3/45

All: -0.004+/-0.004 χ^2/NDF: 66.8/87

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 28.094+/-0.008 χ^2/NDF: 3075175.8/21

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

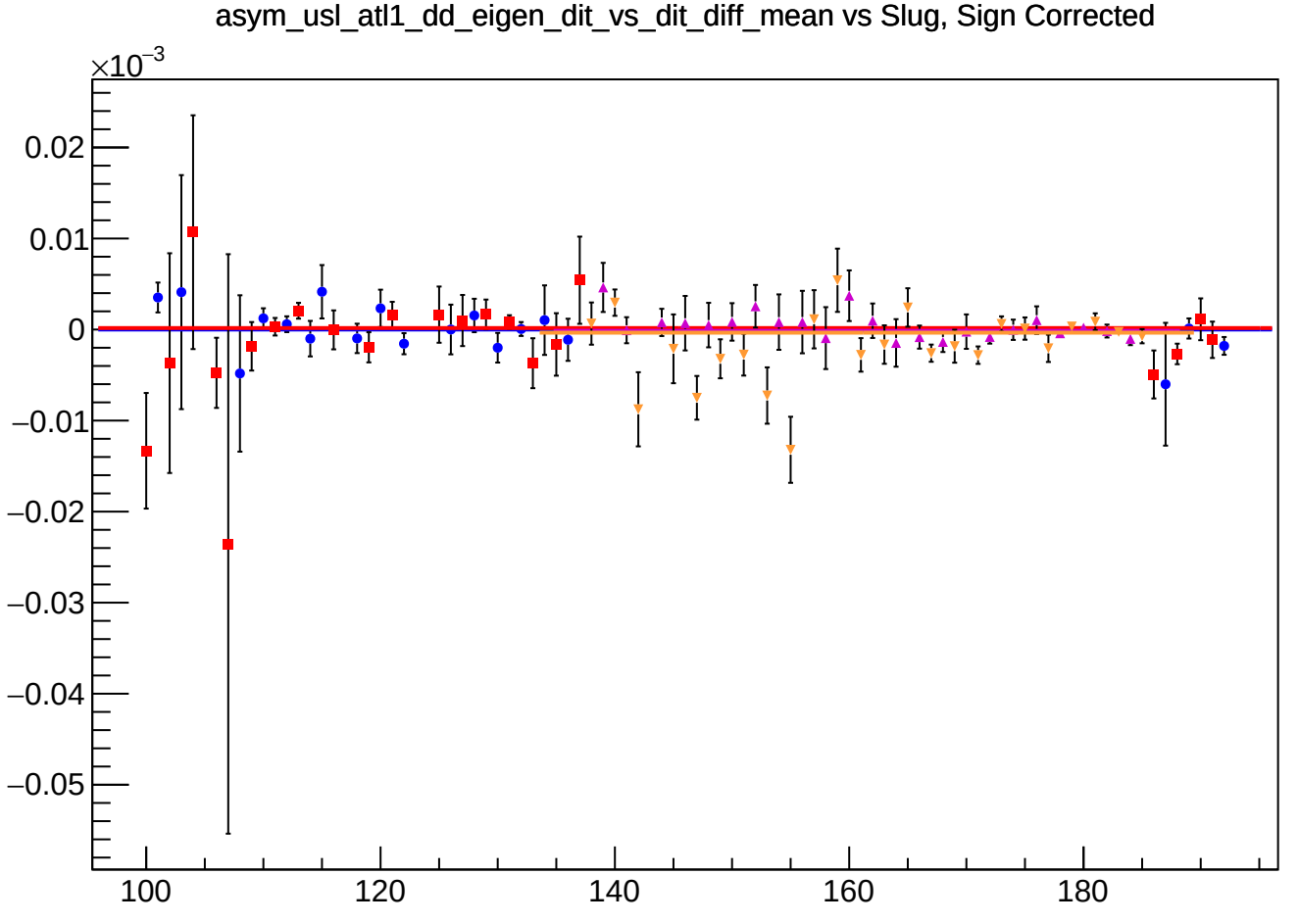
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 28.117+/-0.005 χ^2/NDF: 4753697.4/40

In: 22.557+/-0.003 χ^2/NDF:3184865.6/41

Out: 23.532+/-0.004 χ^2/NDF:4309272.4/45

All: 23.025+/-0.002 χ^2/NDF: 7532623.1/87



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: 31.5/21

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

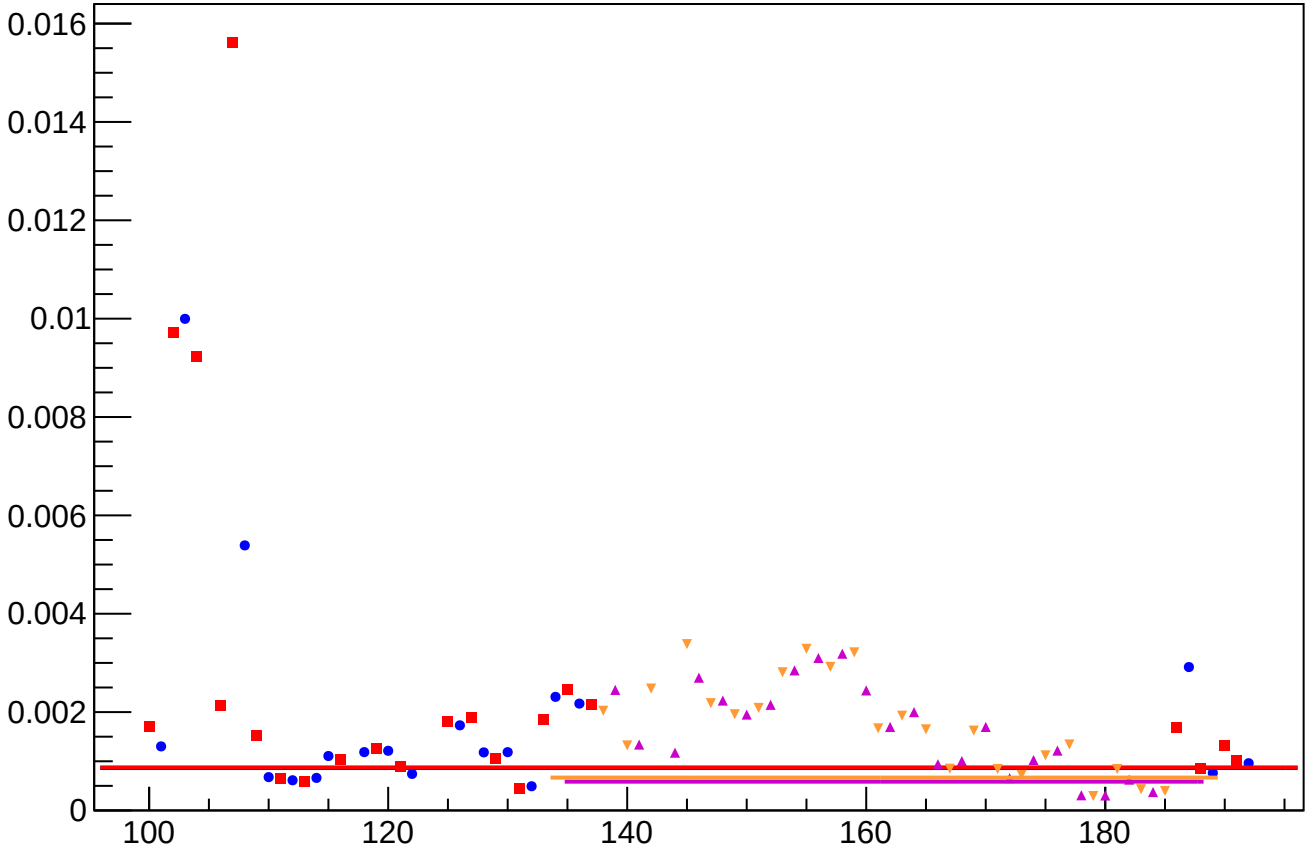
Right: 0.000+/-0.000 χ^2/NDF: 50.8/40

In: -0.000+/-0.000 χ^2/NDF:33.5/41

Out: -0.000+/-0.000 χ^2/NDF:101.1/45

All: -0.000+/-0.000 χ^2/NDF: 134.8/87

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: 5329915.6/21

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

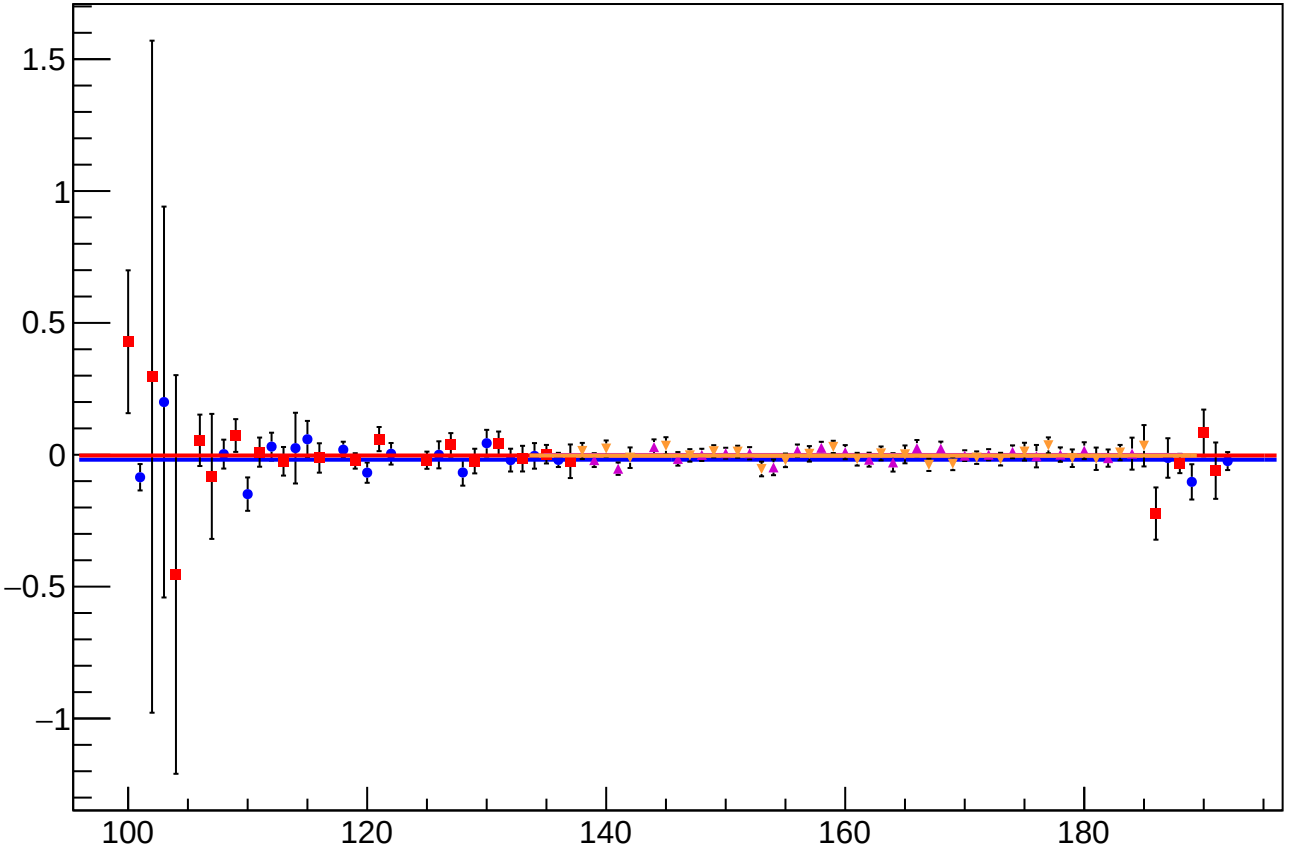
Right: 0.001+/-0.000 χ^2/NDF: 9417773.3/40

In: 0.001+/-0.000 χ^2/NDF:20790106.5/41

Out: 0.001+/-0.000 χ^2/NDF:21201586.3/45

All: 0.001+/-0.000 χ^2/NDF: 42143746.4/87

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: -0.003+/-0.011 χ^2/NDF: 16.9/21

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

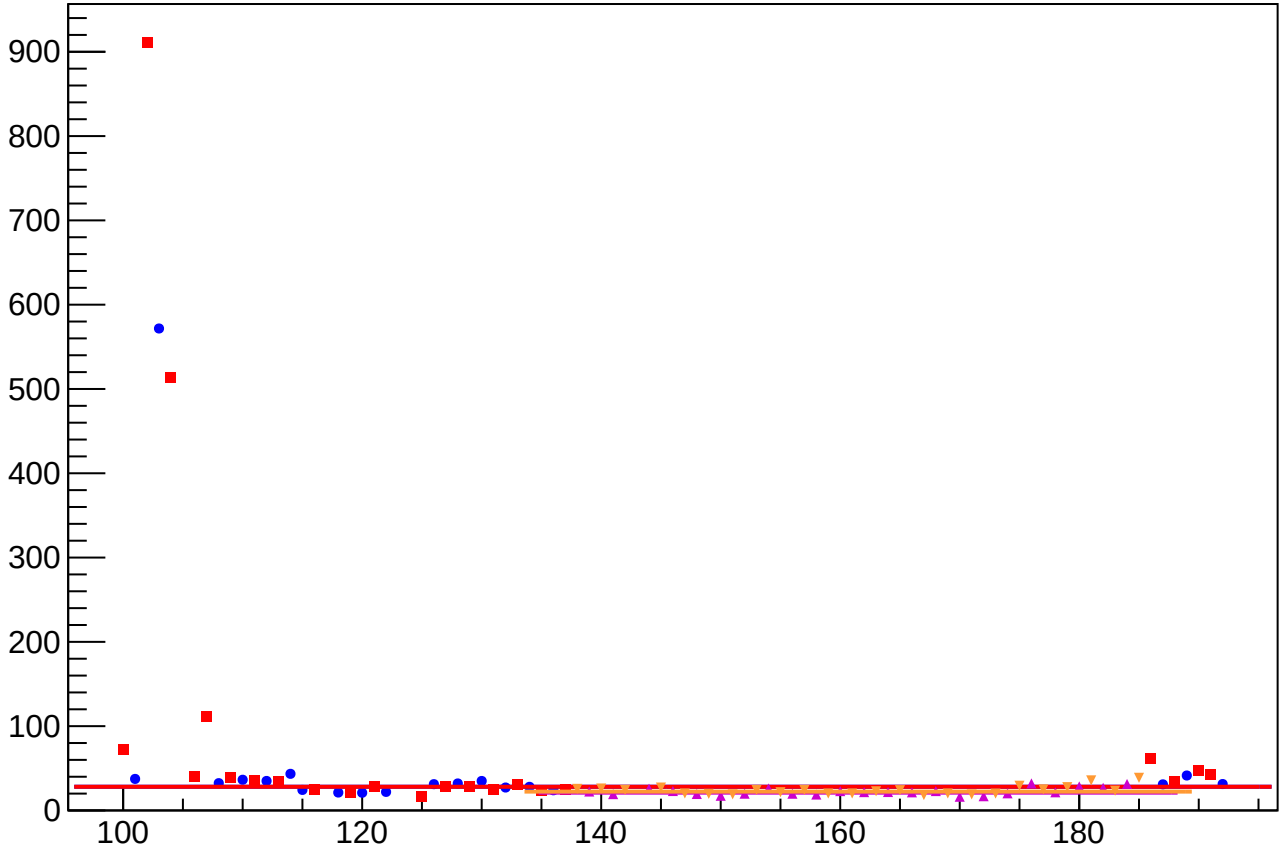
Right: -0.011+/-0.008 χ^2/NDF: 34.3/40

In: -0.005+/-0.005 χ^2/NDF:33.4/41

Out: -0.003+/-0.005 χ^2/NDF:33.3/45

All: -0.004+/-0.004 χ^2/NDF: 66.8/87

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: 28.094+/-0.008 χ^2/NDF: 3075180.8/21

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

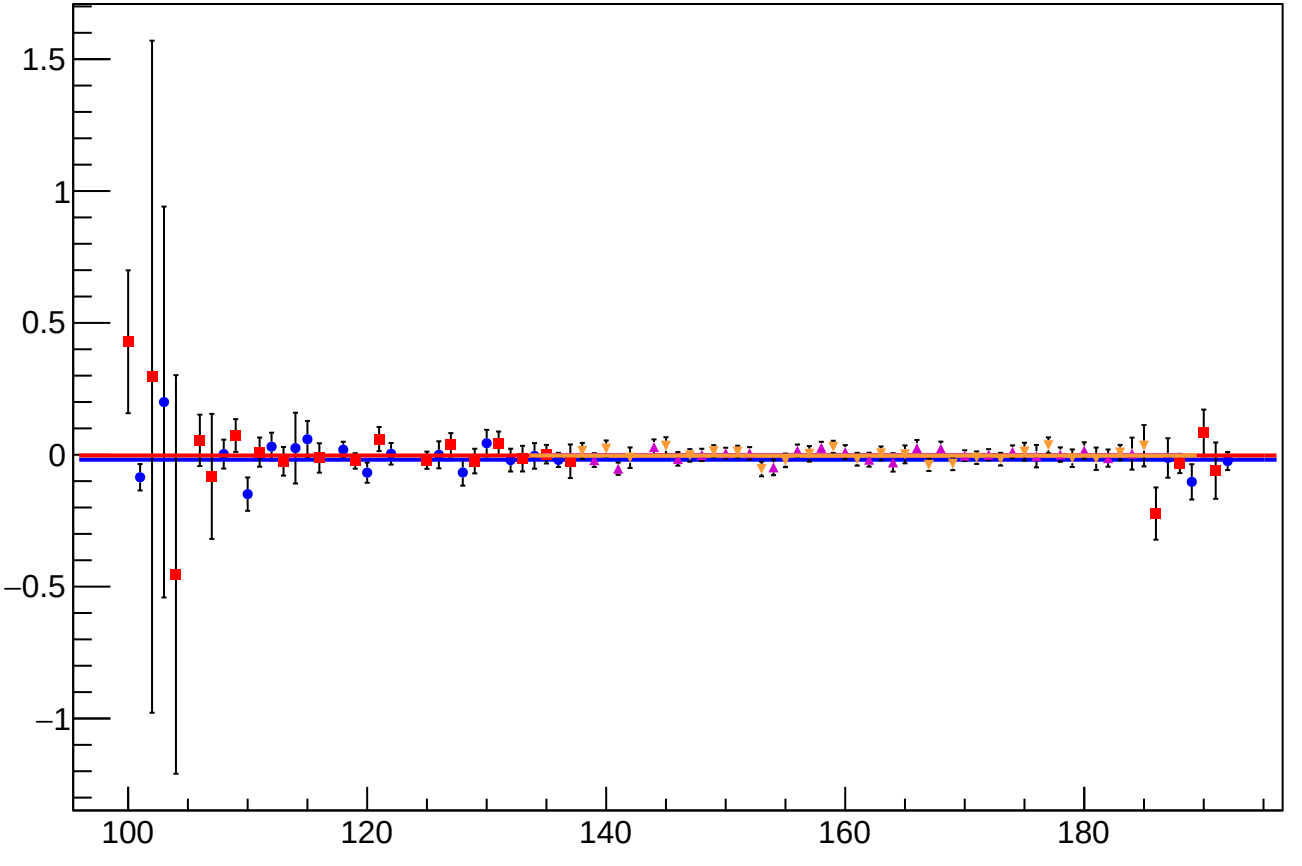
Right: 28.117+/-0.005 χ^2/NDF: 4753697.8/40

In: 22.557+/-0.003 χ^2/NDF:3184874.7/41

Out: 23.532+/-0.004 χ^2/NDF:4309247.1/45

All: 23.025+/-0.002 χ^2/NDF: 7532604.8/87

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: -0.003+/-0.011 χ^2/NDF: 16.9/21

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

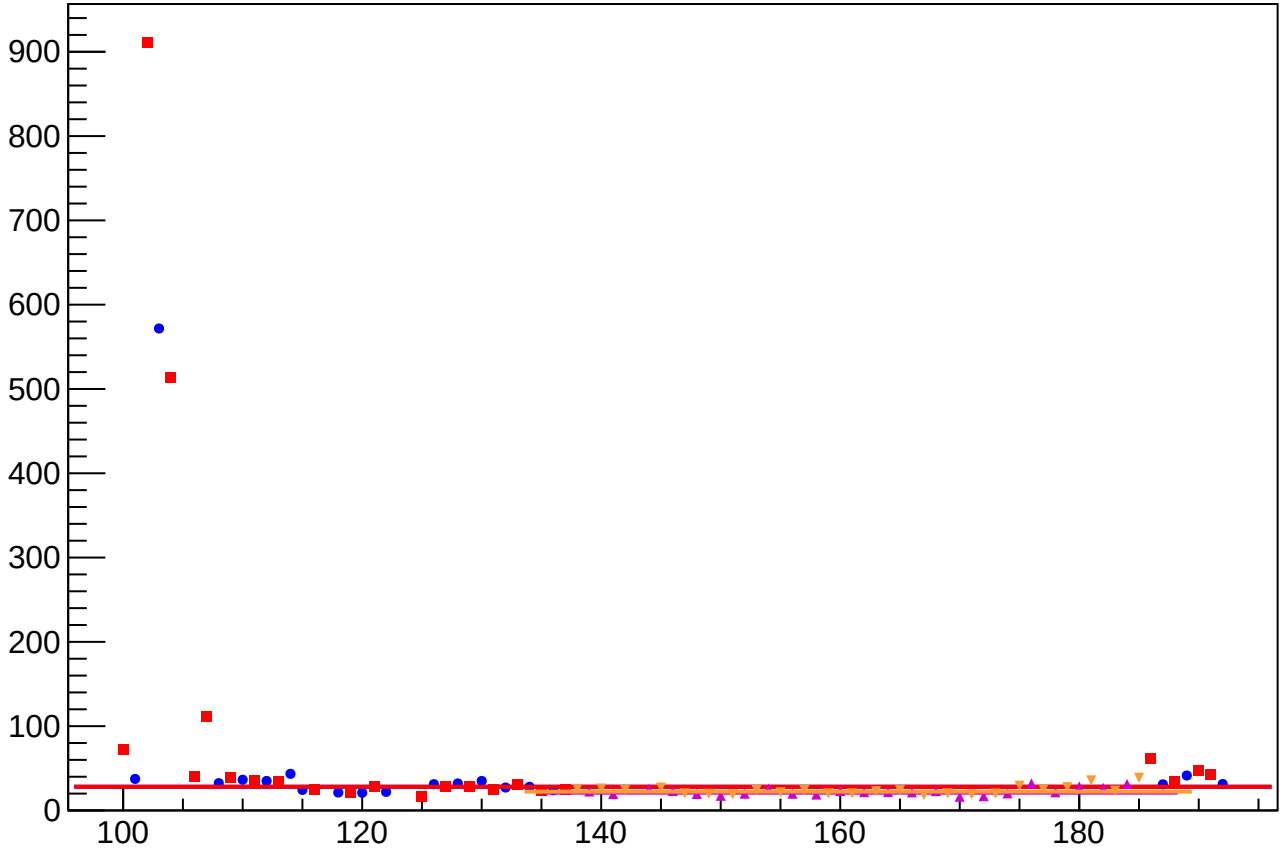
Right: -0.011+/-0.008 χ^2/NDF: 34.3/40

In: -0.005+/-0.005 χ^2/NDF:33.4/41

Out: -0.003+/-0.005 χ^2/NDF:33.3/45

All: -0.004+/-0.004 χ^2/NDF: 66.8/87

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: 28.094+/-0.008 χ^2/NDF: 3075180.8/21

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

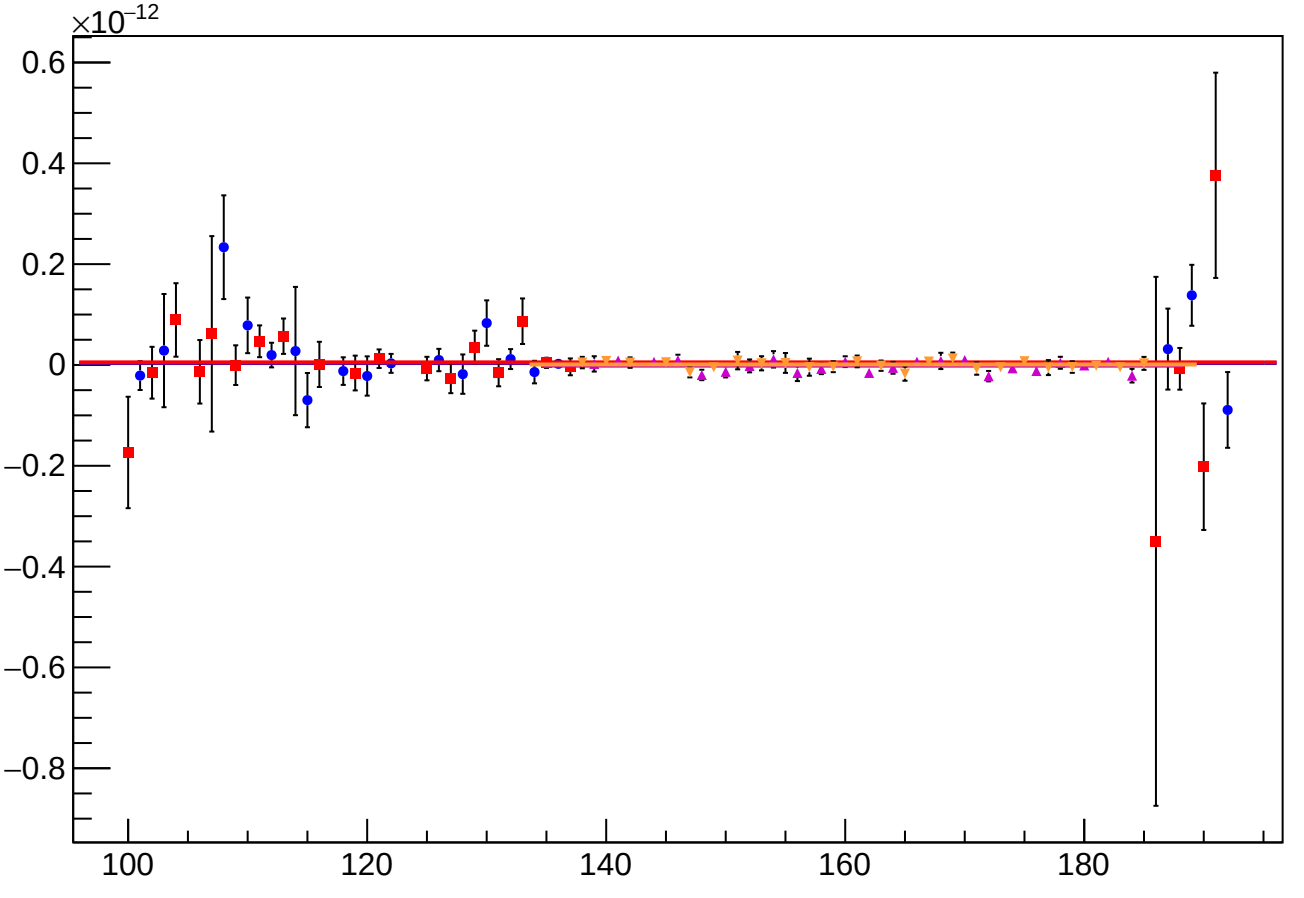
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 28.117+/-0.005 χ^2/NDF: 4753697.8/40

In: 22.557+/-0.003 χ^2/NDF:3184874.7/41

Out: 23.532+/-0.004 χ^2/NDF:4309247.1/45

All: 23.025+/-0.002 χ^2/NDF: 7532604.8/87



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: 21.9/21

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

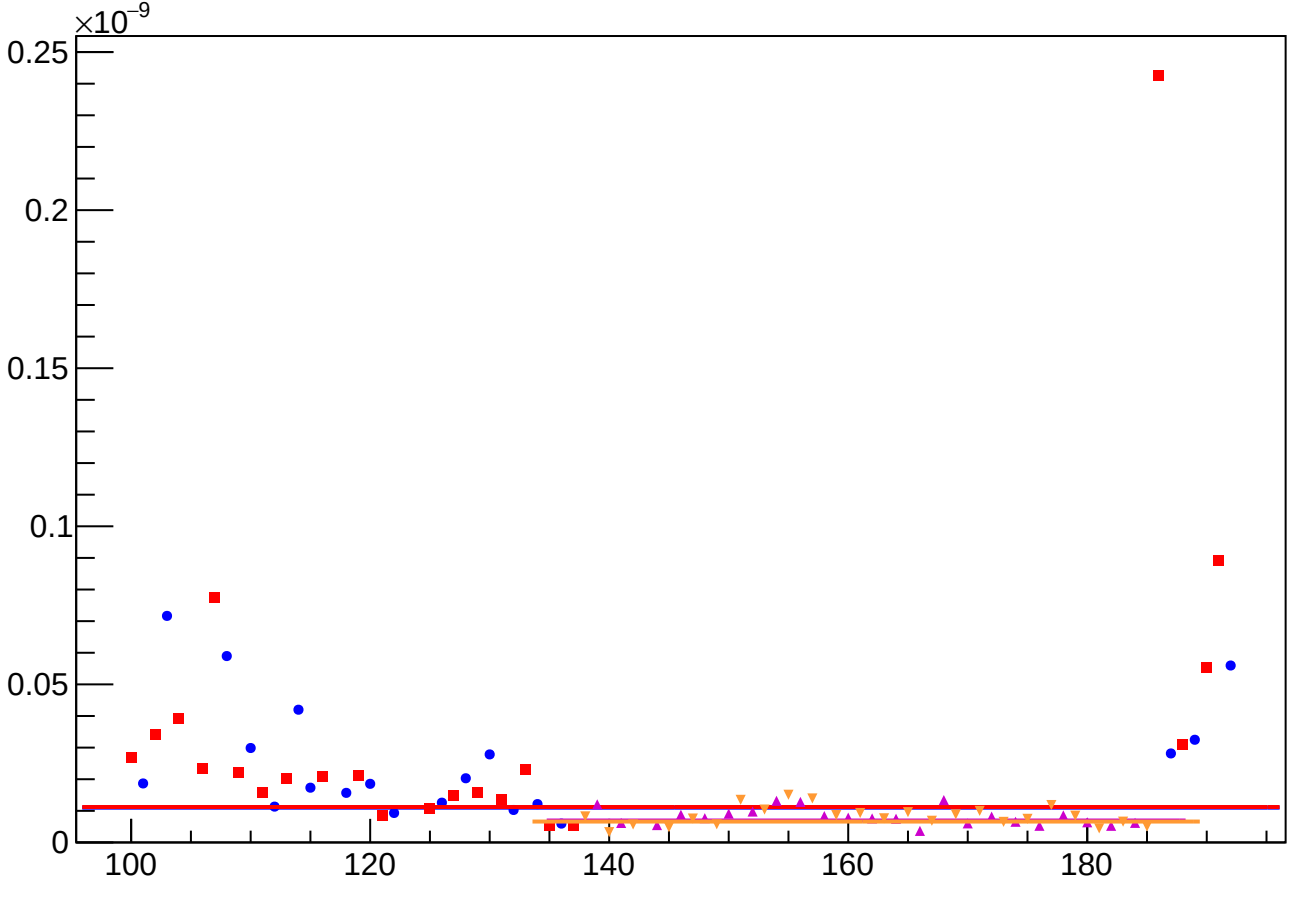
Right: 0.000+/-0.000 χ^2/NDF: 43.5/40

In: -0.000+/-0.000 χ^2/NDF:48.1/41

Out: 0.000+/-0.000 χ^2/NDF:33.9/45

All: 0.000+/-0.000 χ^2/NDF: 82.6/87

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: 4181807.5/21

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

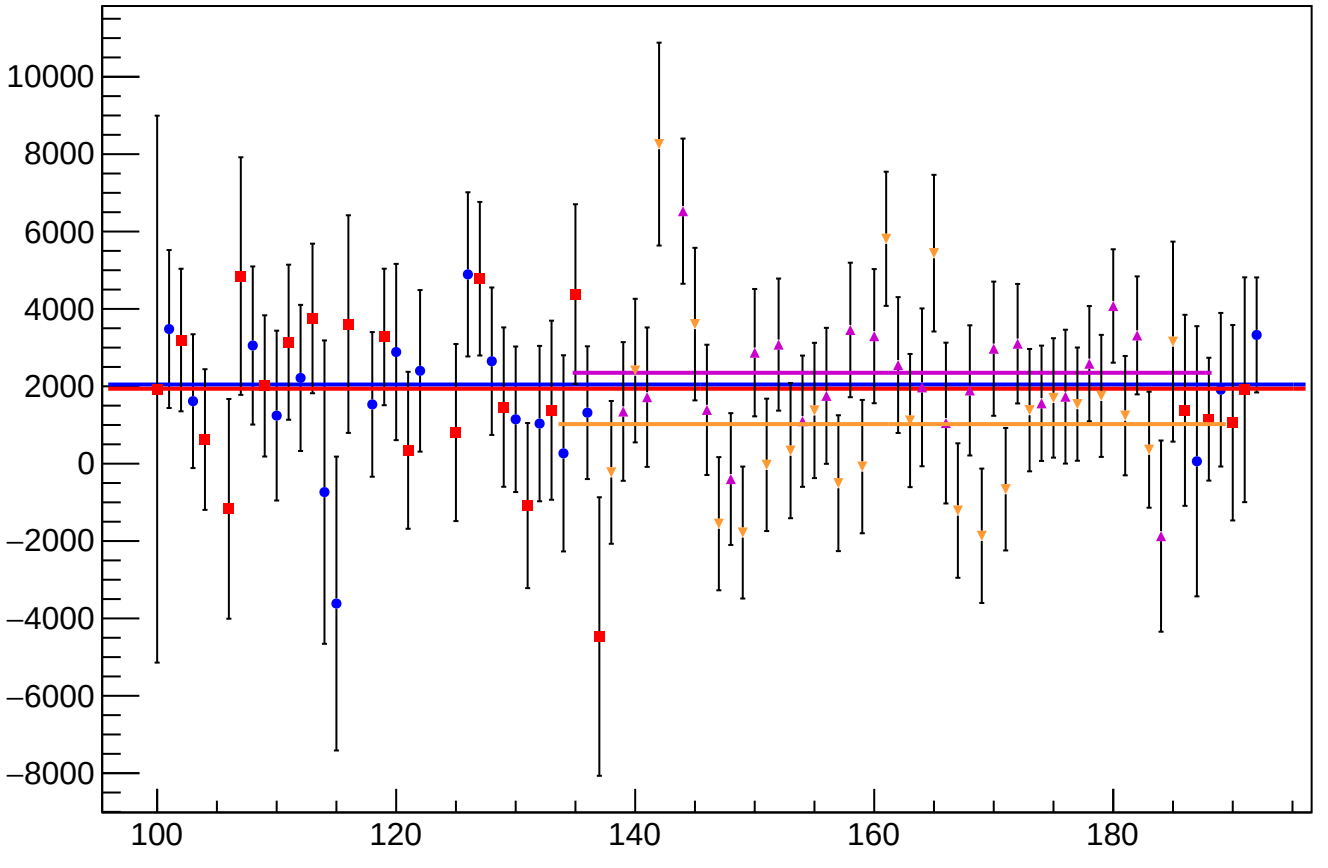
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 8055216.7/40

In: 0.000+/-0.000 χ^2/NDF:7095784.2/41

Out: 0.000+/-0.000 χ^2/NDF:8693393.7/45

All: 0.000+/-0.000 χ^2/NDF: 15820910.8/87



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: 1936.942+/-469.315 χ^2/NDF: 15.0/21

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

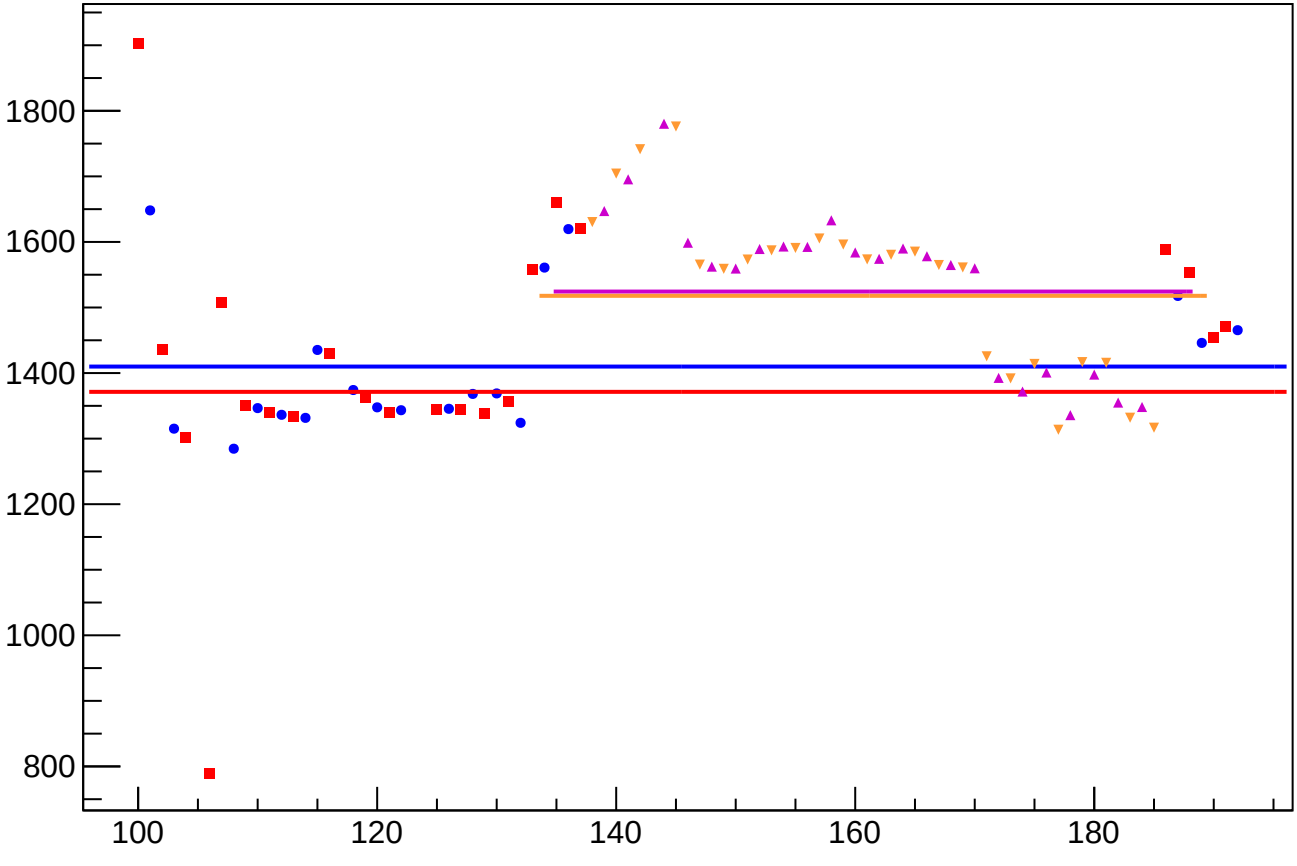
Right: 1990.686+/-333.412 χ^2/NDF: 23.0/40

In: 2239.151+/-285.146 χ^2/NDF:24.3/41

Out: 1353.526+/-282.341 χ^2/NDF:53.8/45

All: 1791.962+/-200.630 χ^2/NDF: 83.0/87

reg_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: 1371.343+/-0.323 χ^2/NDF: 372670.1/21

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

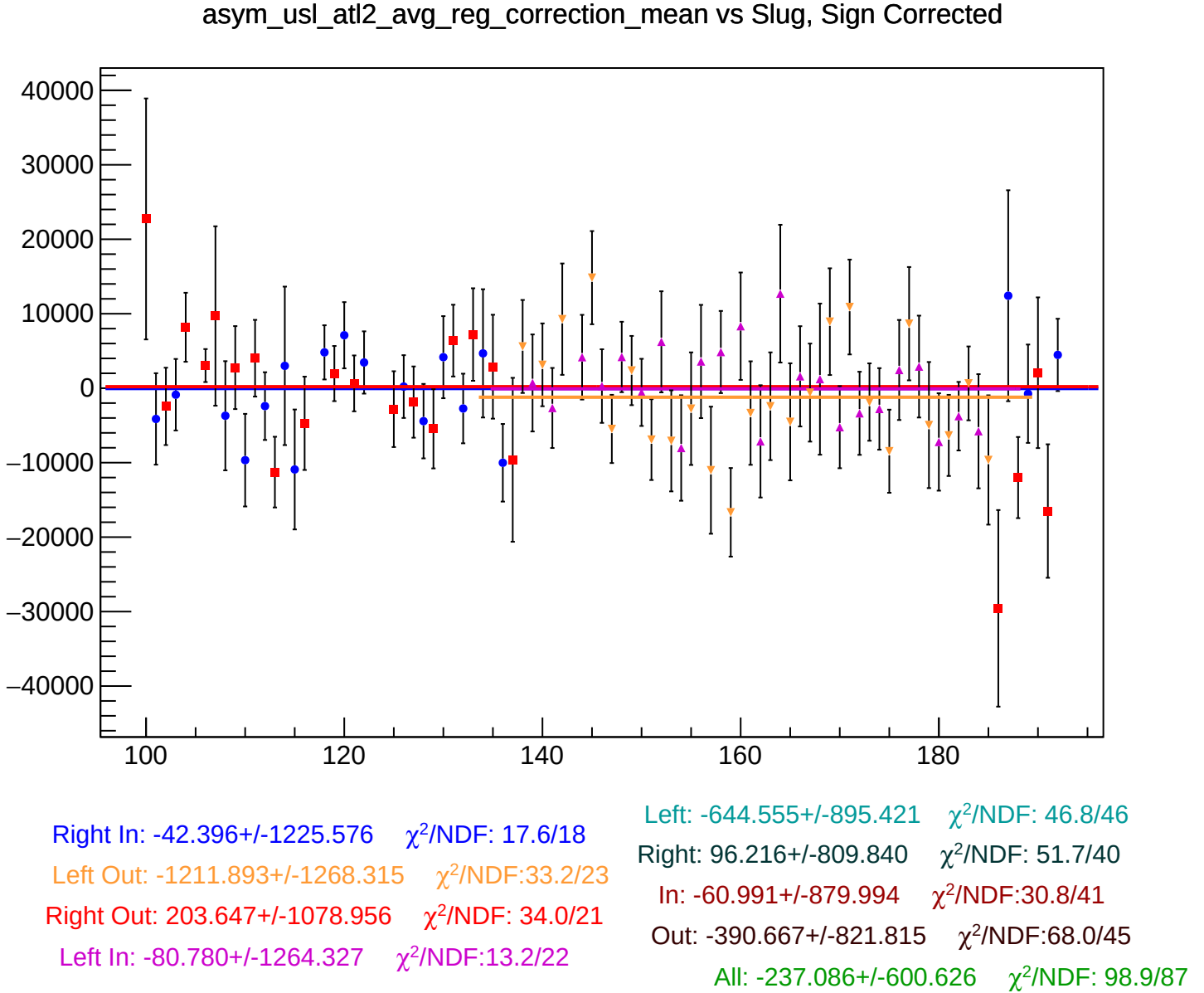
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

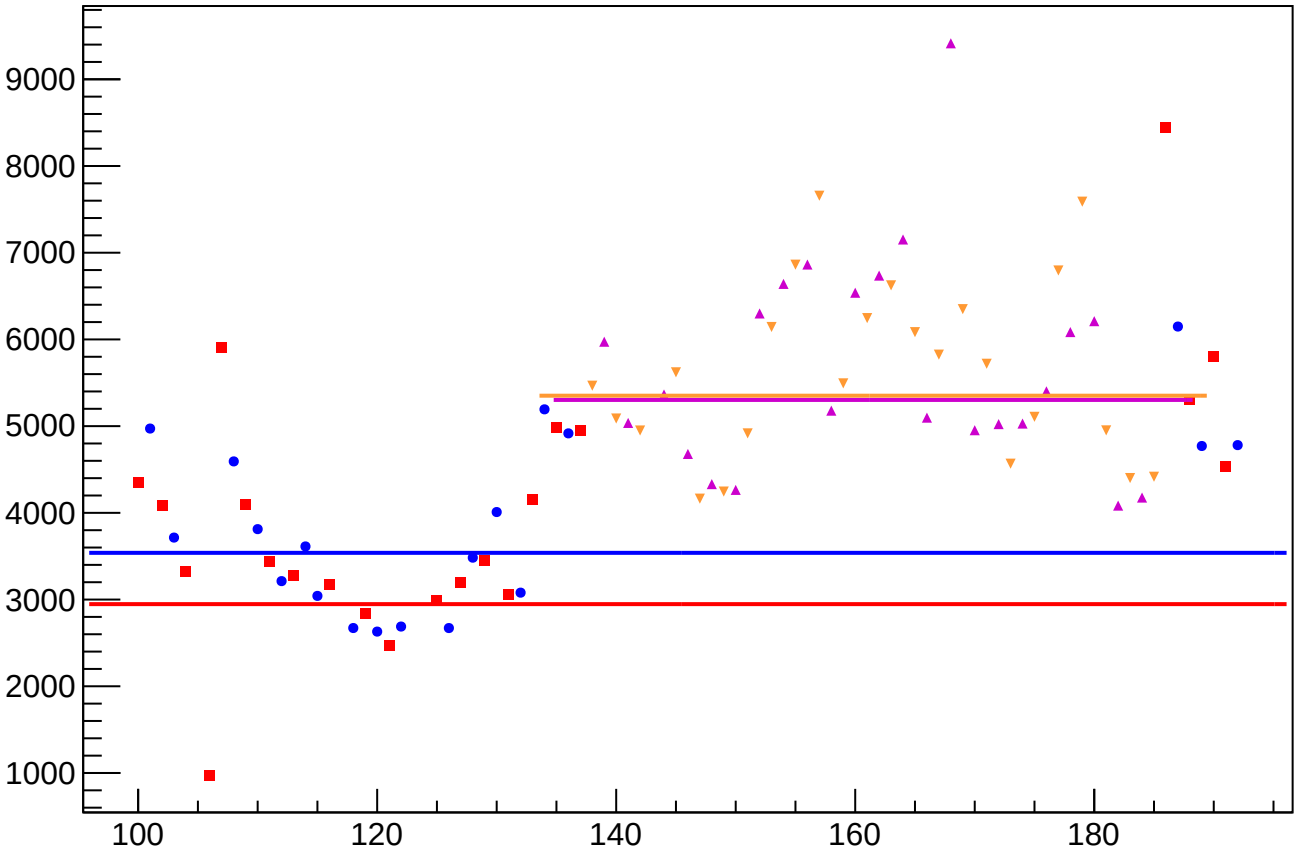
Right: 1389.944+/-0.233 χ^2/NDF: 479820.9/40

In: 1482.869+/-0.202 χ^2/NDF:398984.9/41

Out: 1463.026+/-0.198 χ^2/NDF:735097.8/45

All: 1472.754+/-0.141 χ^2/NDF: 1139019.5/87


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -42.396+/-1225.576 χ²/NDF: 17.6/18
Left Out: -1211.893+/-1268.315 χ²/NDF:33.2/23
Right Out: 203.647+/-1078.956 χ²/NDF: 34.0/21
Left In: -80.780+/-1264.327 χ²/NDF:13.2/22
Left: -644.555+/-895.421 χ²/NDF: 46.8/46
Right: 96.216+/-809.840 χ²/NDF: 51.7/40
In: -60.991+/-879.994 χ²/NDF:30.8/41
Out: -390.667+/-821.815 χ²/NDF:68.0/45
All: -237.086+/-600.626 χ²/NDF: 98.9/87



Right In: 3538.866+/-0.867 χ^2/NDF: 1055164.0/18

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 2947.364+/-0.763 χ^2/NDF: 3271752.1/21

Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

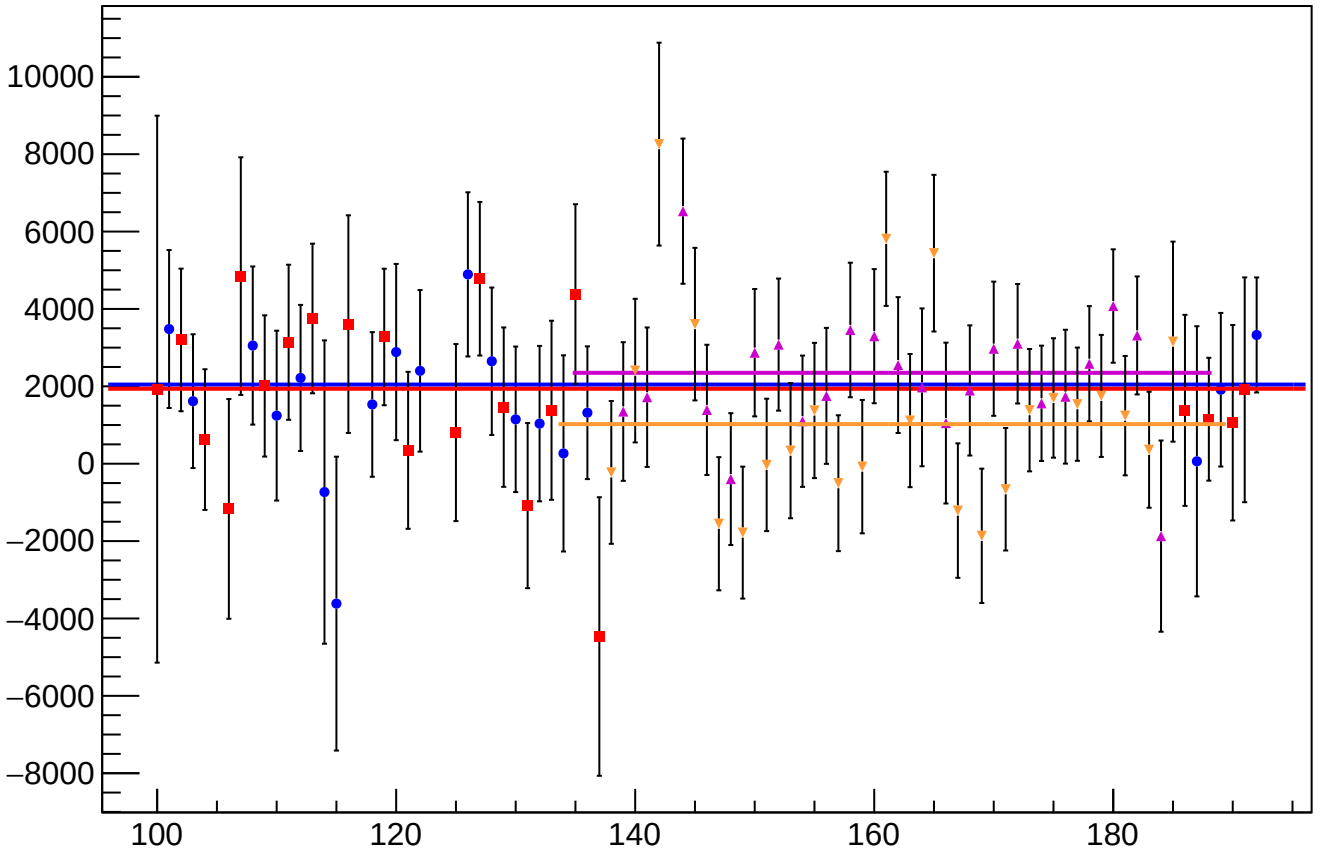
Left: 5326.578+/-0.633 χ^2/NDF: 2323848.7/46

Right: 3205.634+/-0.573 χ^2/NDF: 4589369.7/40

In: 4393.089+/-0.622 χ^2/NDF:4317108.0/41

Out: 3956.582+/-0.581 χ^2/NDF:8505525.6/45

All: 4159.930+/-0.425 χ^2/NDF: 13085487.0/8



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: 1937.103+/-469.317 χ^2/NDF: 15.0/21

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

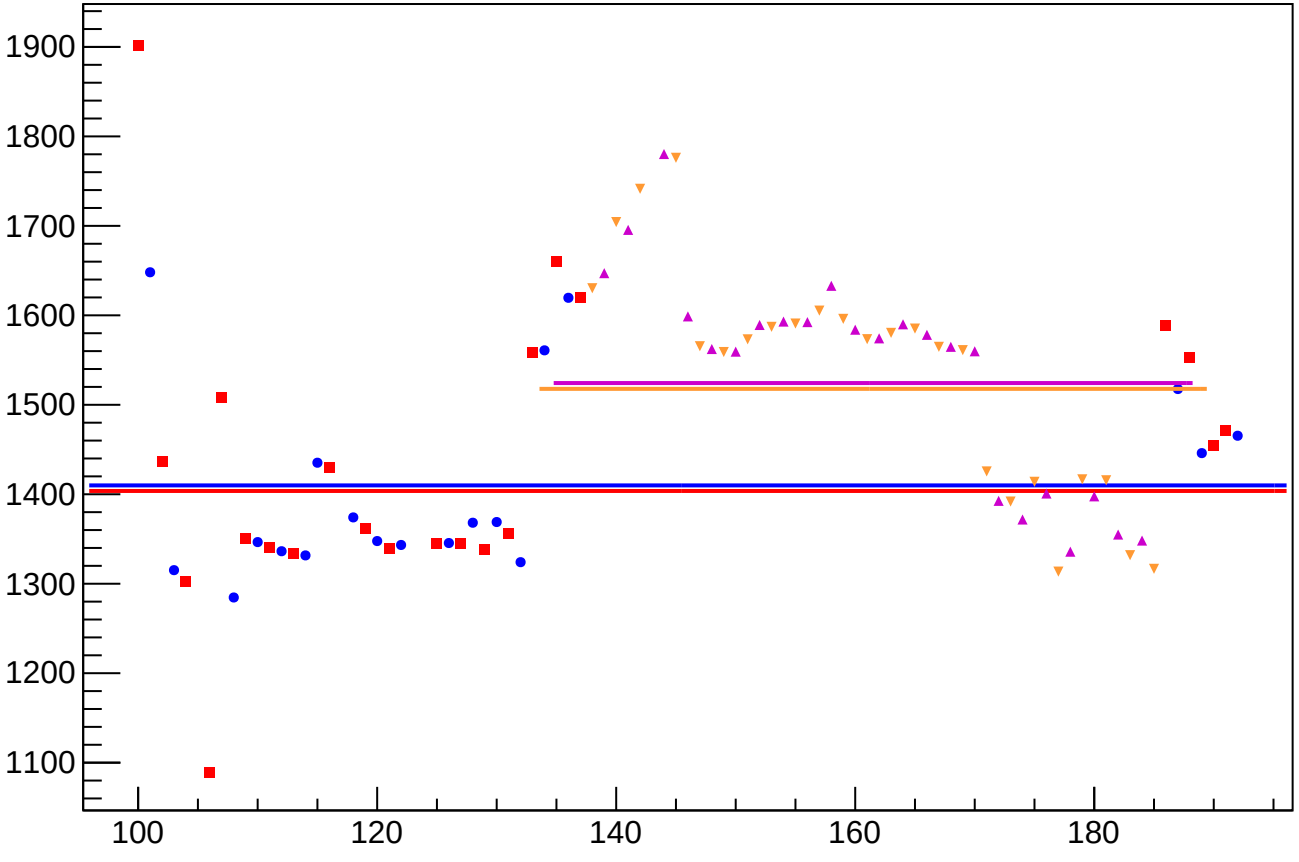
Right: 1990.799+/-333.413 χ^2/NDF: 23.0/40

In: 2239.173+/-285.146 χ^2/NDF:24.3/41

Out: 1353.602+/-282.342 χ^2/NDF:53.8/45

All: 1792.012+/-200.630 χ^2/NDF: 83.0/87

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: 1403.694+/-0.328 χ^2/NDF: 150521.2/21

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

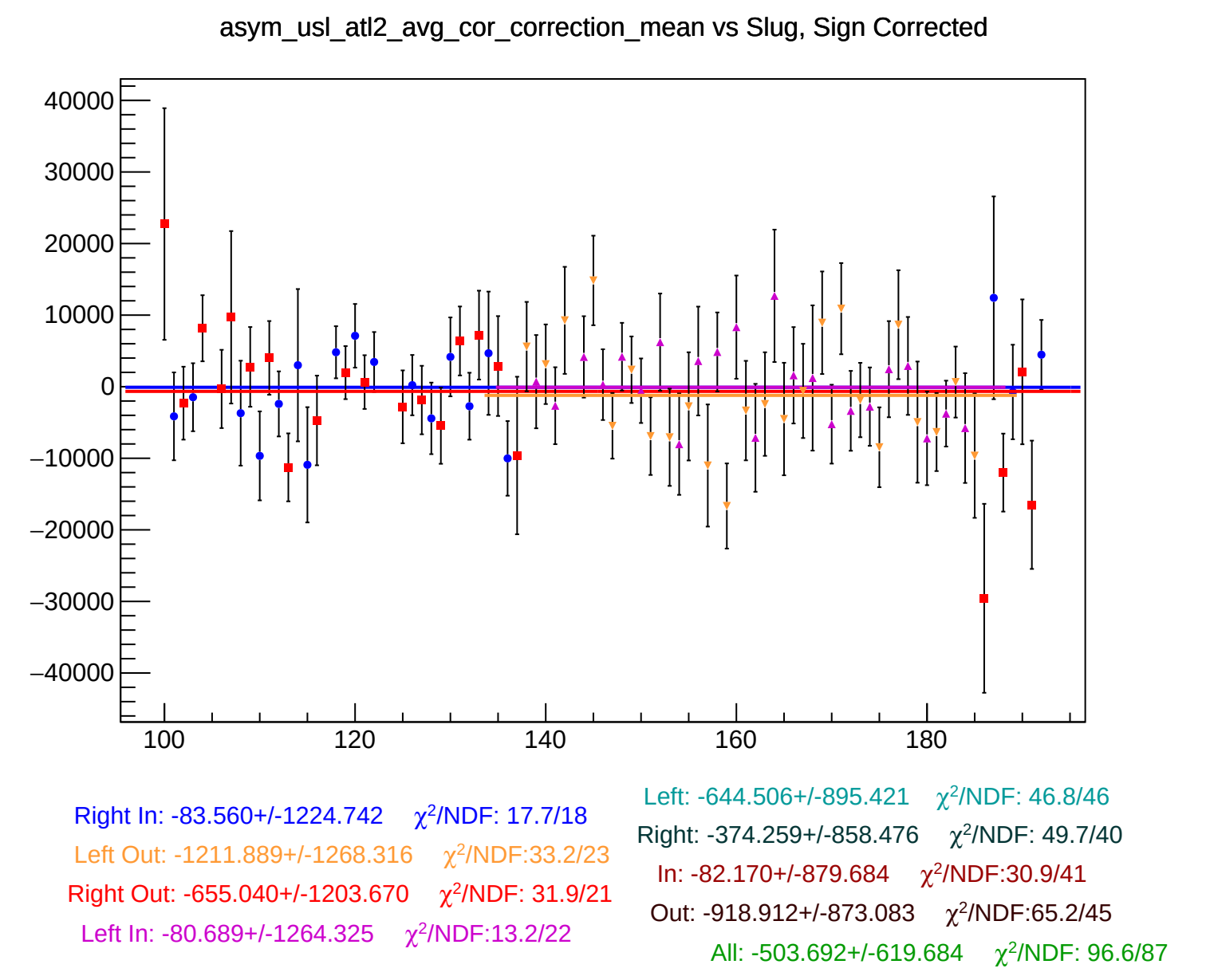
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1406.740+/-0.234 χ^2/NDF: 250984.6/40

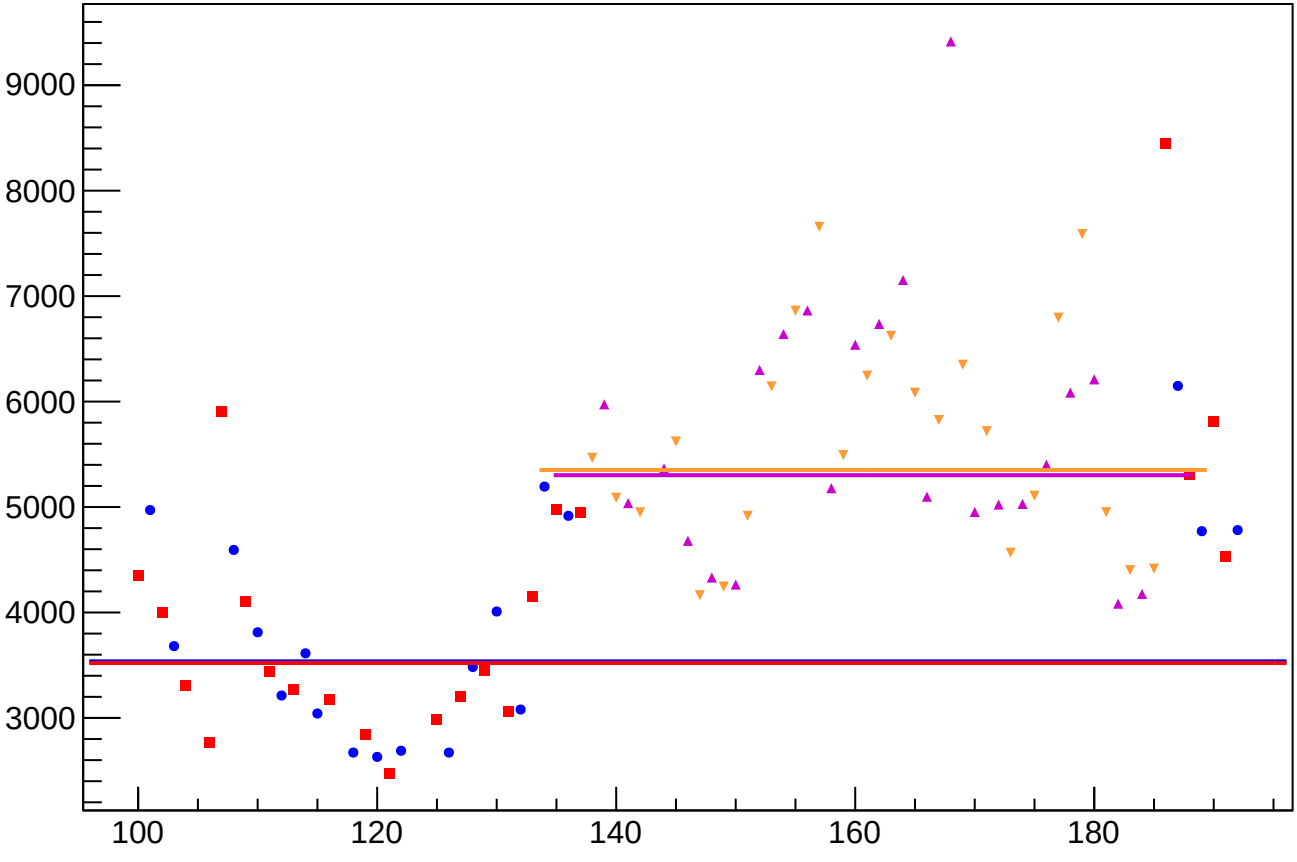
In: 1482.869+/-0.202 χ^2/NDF:398985.1/41

Out: 1475.934+/-0.199 χ^2/NDF:460993.8/45

All: 1479.353+/-0.142 χ^2/NDF: 860578.6/87


asym_usl_atl2_avg_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: -655.040+/-1203.670 χ²/NDF: 31.9/21
Left In: -80.689+/-1264.325 χ²/NDF:13.2/22
Left: -644.506+/-895.421 χ²/NDF: 46.8/46
Right: -374.259+/-858.476 χ²/NDF: 49.7/40
In: -82.170+/-879.684 χ²/NDF:30.9/41
Out: -918.912+/-873.083 χ²/NDF:65.2/45
All: -503.692+/-619.684 χ²/NDF: 96.6/87

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: 3520.648+/-0.851 χ^2/NDF: 1212925.4/21

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

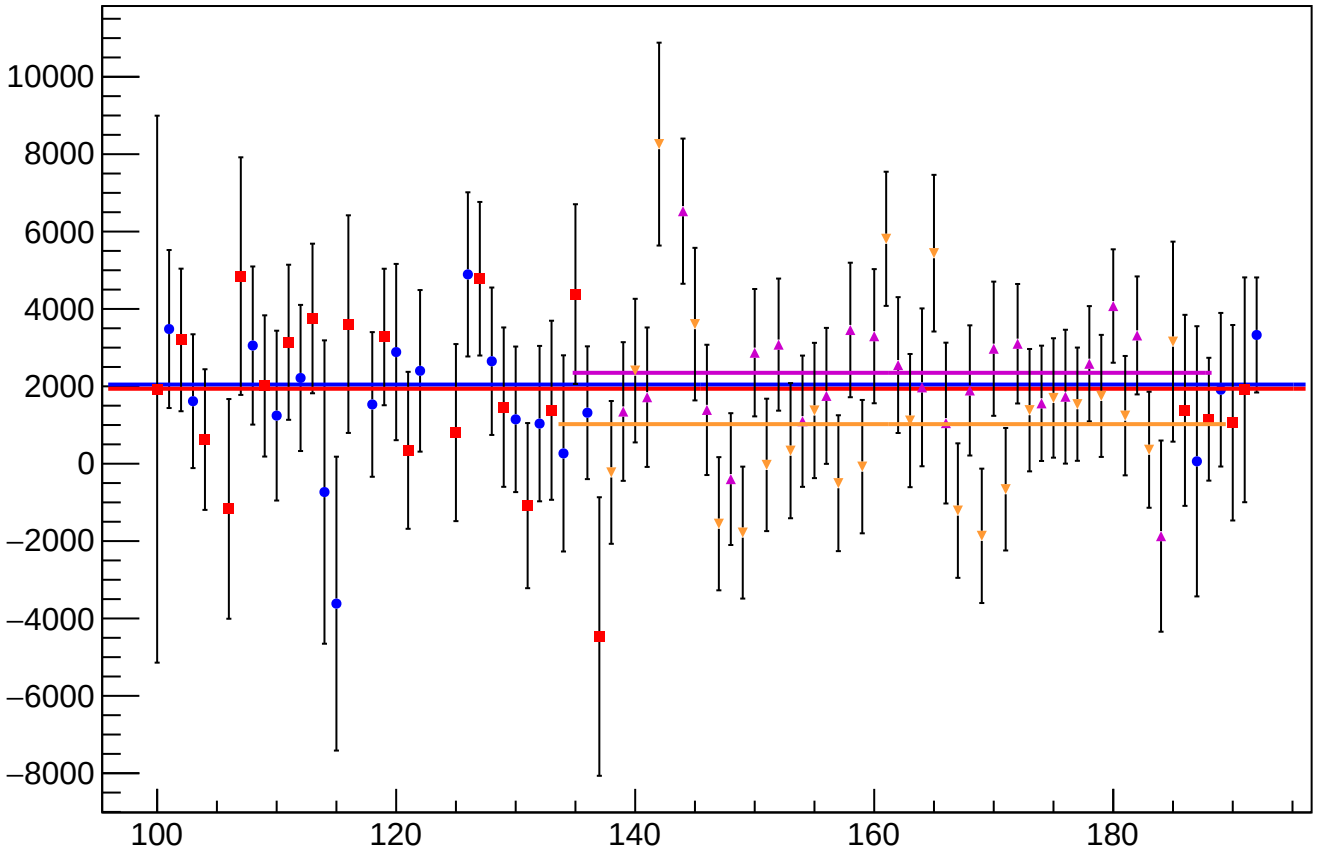
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3528.611+/-0.607 χ^2/NDF: 2267258.7/40

In: 4391.450+/-0.622 χ^2/NDF:4322000.1/41

Out: 4388.052+/-0.617 χ^2/NDF:4470773.1/45

All: 4389.738+/-0.438 χ^2/NDF: 8792788.2/87



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: 1937.103+/-469.317 χ^2/NDF: 15.0/21

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

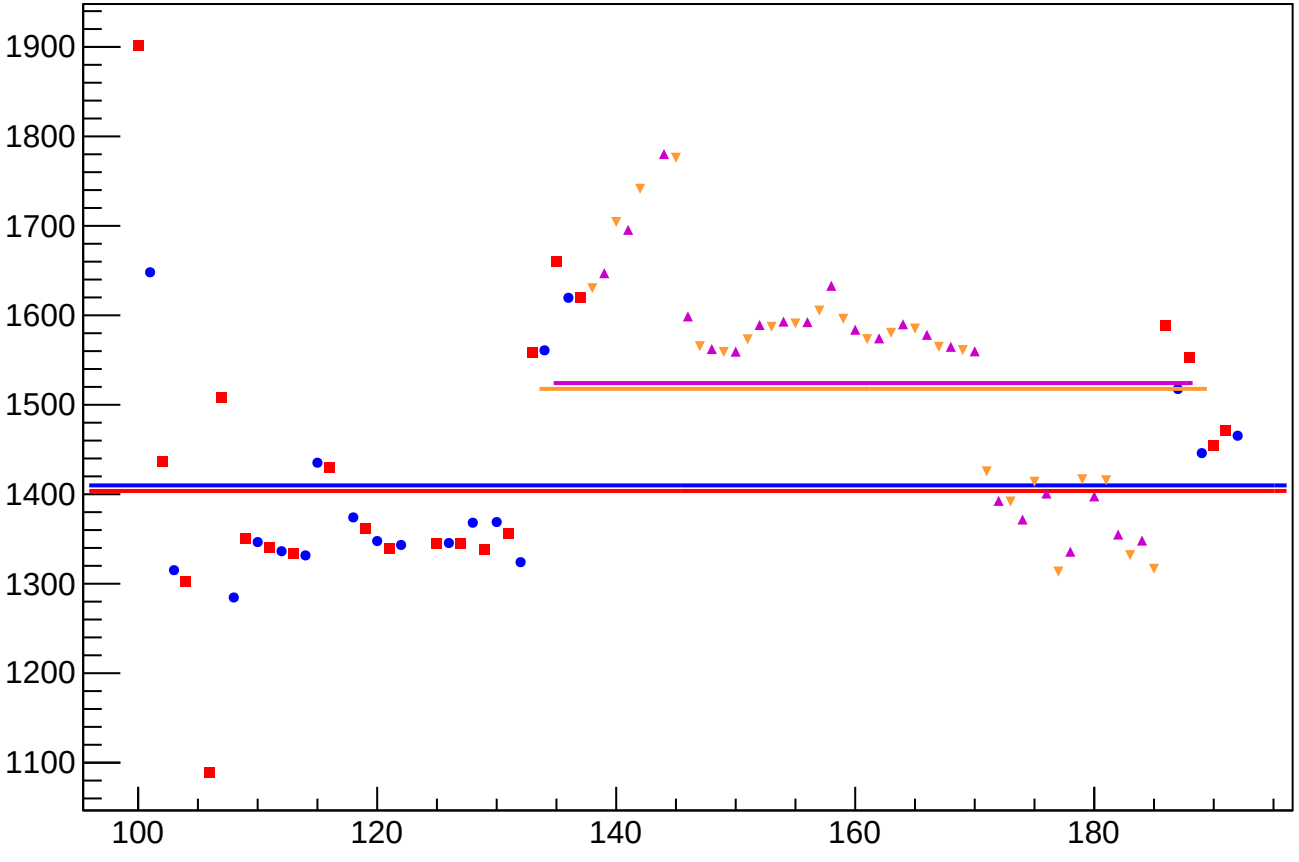
Right: 1990.799+/-333.413 χ^2/NDF: 23.0/40

In: 2239.173+/-285.146 χ^2/NDF:24.3/41

Out: 1353.602+/-282.342 χ^2/NDF:53.8/45

All: 1792.012+/-200.630 χ^2/NDF: 83.0/87

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: 1403.694+/-0.328 χ^2/NDF: 150521.2/21

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

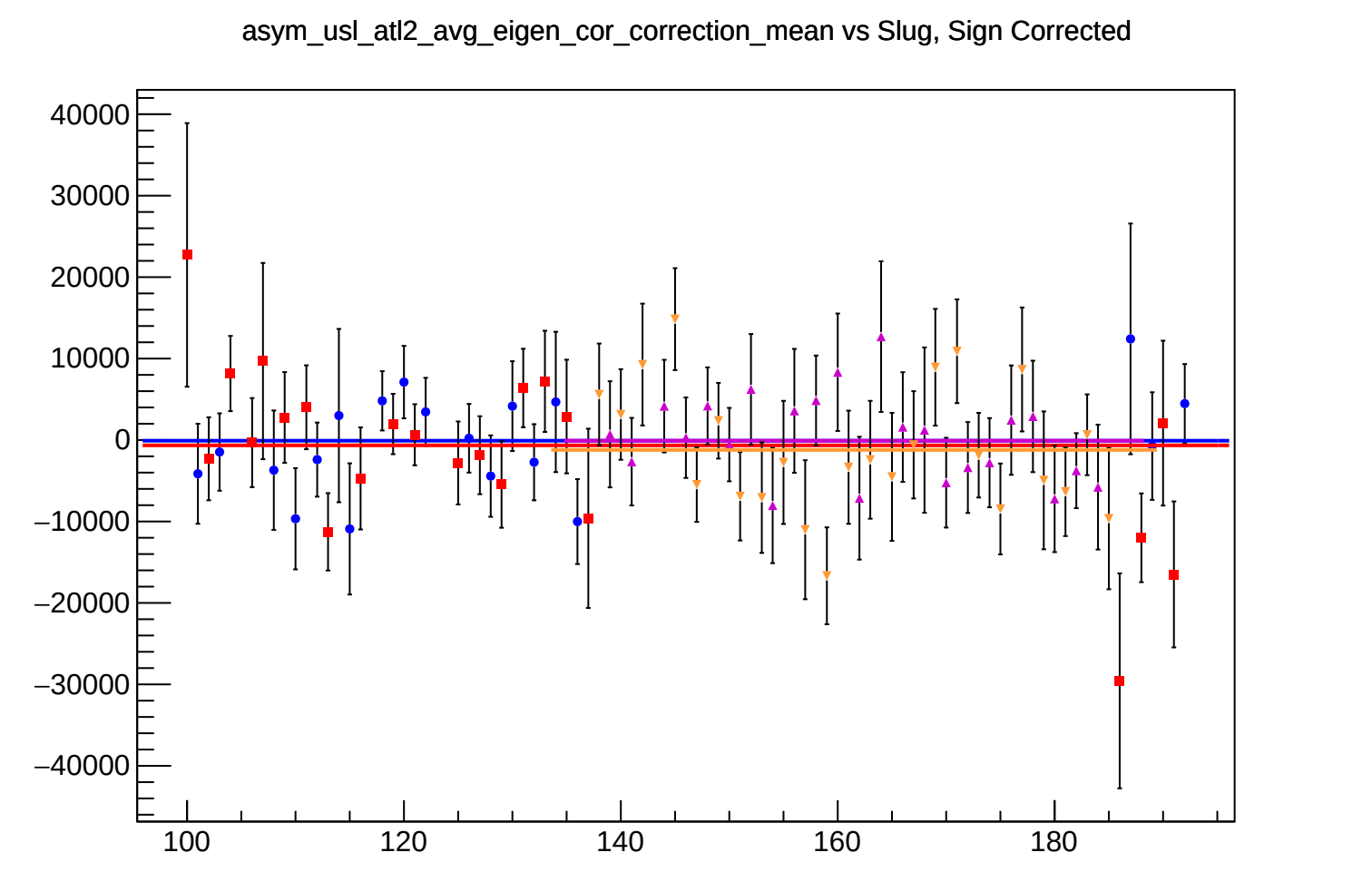
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1406.740+/-0.234 χ^2/NDF: 250984.6/40

In: 1482.869+/-0.202 χ^2/NDF:398985.1/41

Out: 1475.934+/-0.199 χ^2/NDF:460993.8/45

All: 1479.353+/-0.142 χ^2/NDF: 860578.6/87



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: -655.040+/-1203.670 χ^2/NDF: 31.9/21

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

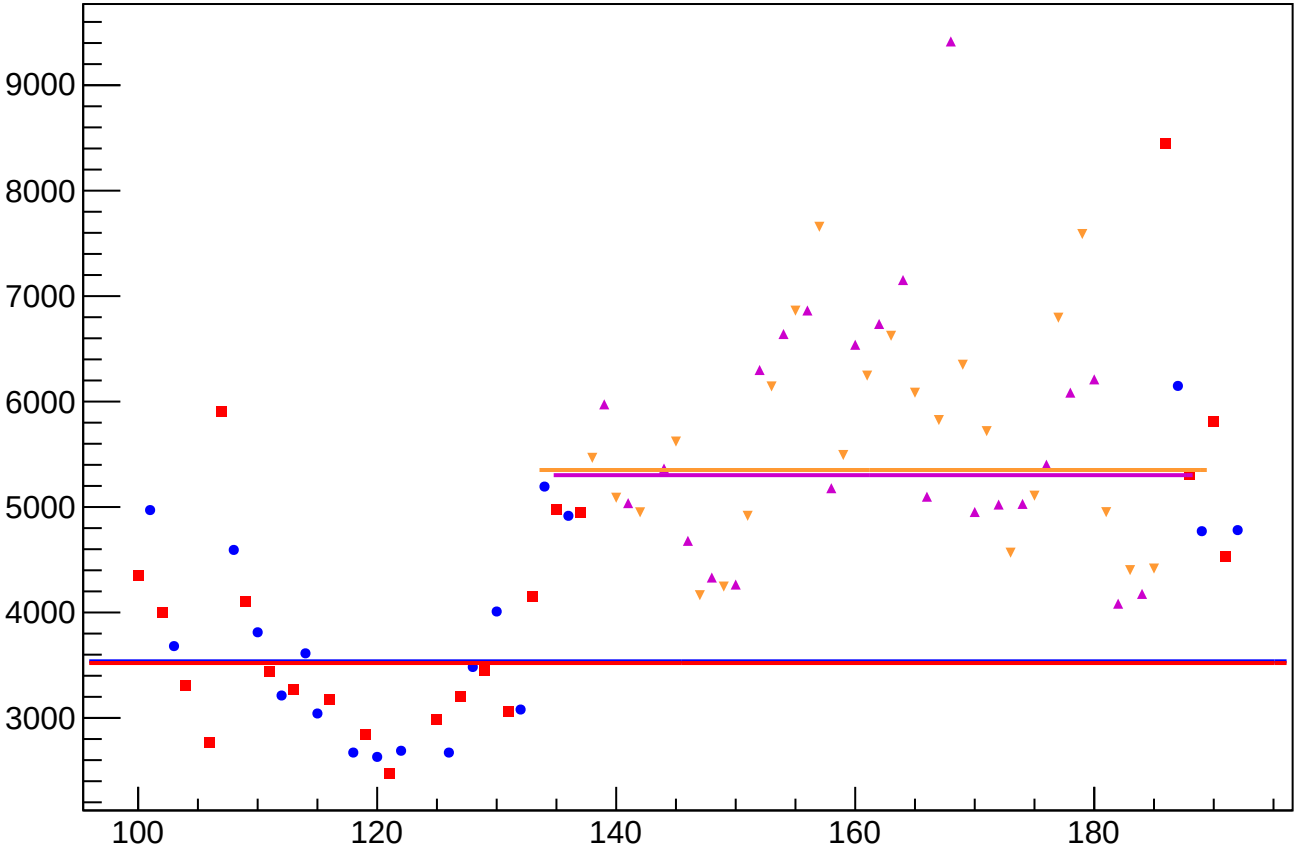
Right: -374.259+/-858.476 χ^2/NDF: 49.7/40

In: -82.170+/-879.684 χ^2/NDF:30.9/41

Out: -918.912+/-873.083 χ^2/NDF:65.2/45

All: -503.692+/-619.684 χ^2/NDF: 96.6/87

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: 3520.648+/-0.851 χ^2/NDF: 1212925.4/21

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

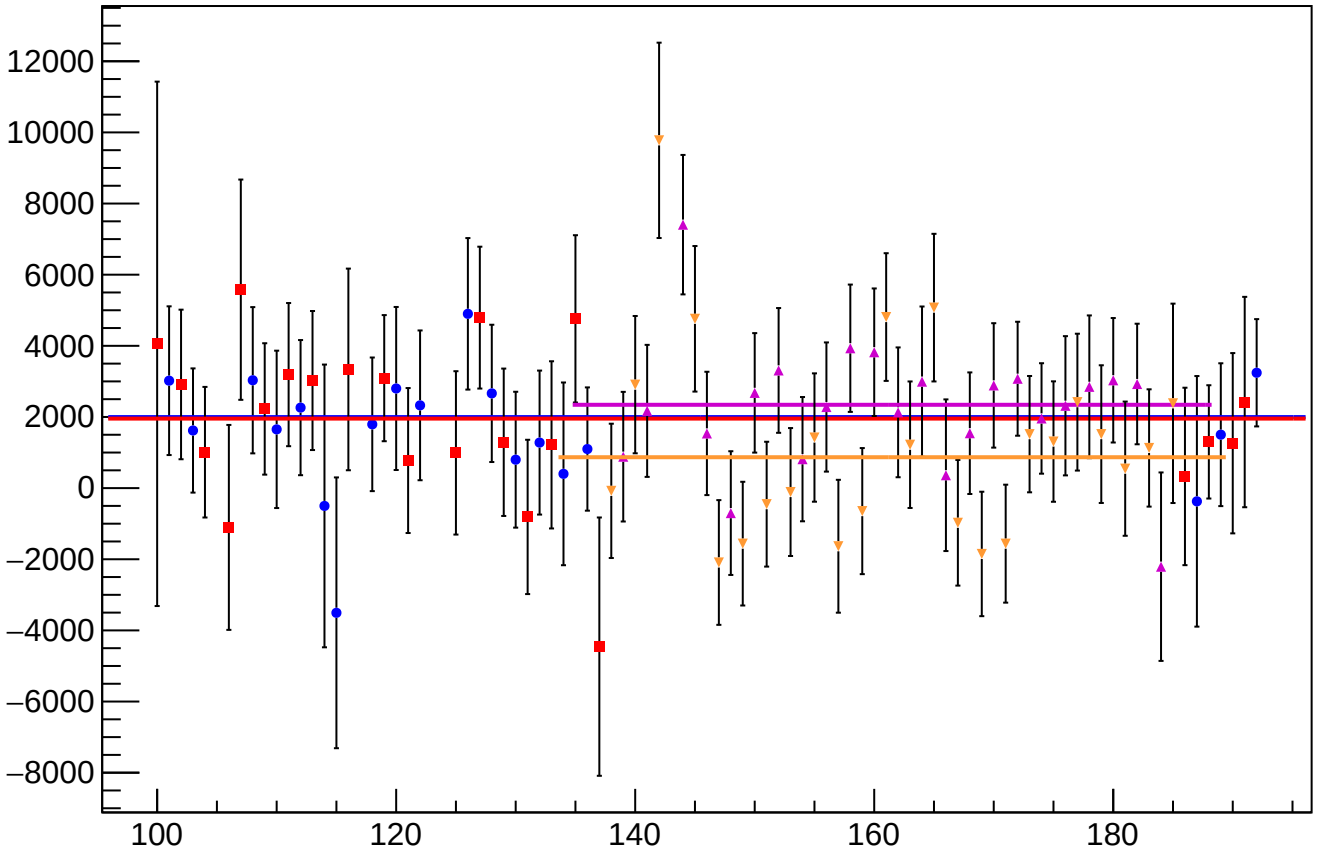
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3528.611+/-0.607 χ^2/NDF: 2267258.7/40

In: 4391.450+/-0.622 χ^2/NDF:4322000.1/41

Out: 4388.052+/-0.617 χ^2/NDF:4470773.1/45

All: 4389.738+/-0.438 χ^2/NDF: 8792788.2/87



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: 1954.586+/-476.662 χ^2/NDF: 14.0/21

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

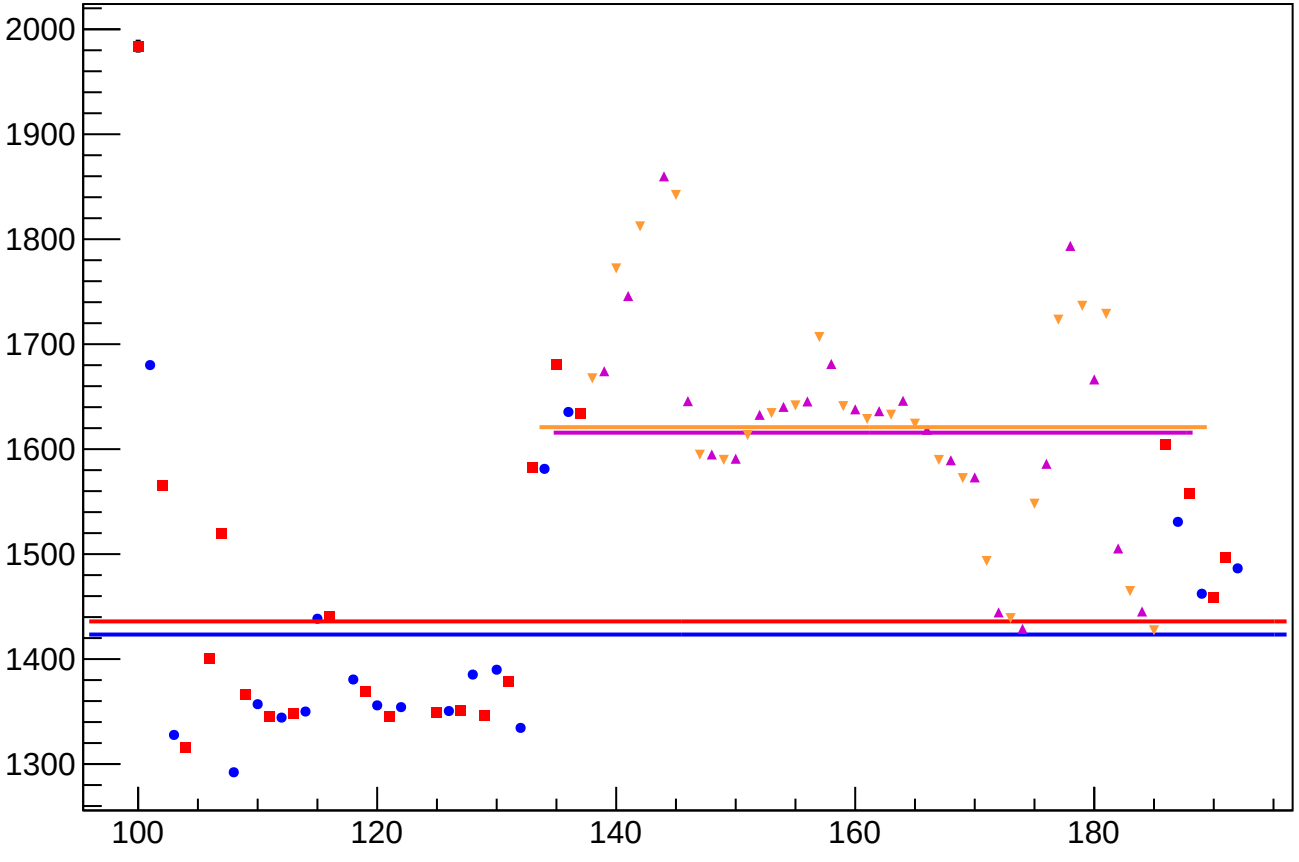
Right: 1975.504+/-337.708 χ^2/NDF: 21.6/40

In: 2209.419+/-296.675 χ^2/NDF:25.9/41

Out: 1286.644+/-295.780 χ^2/NDF:56.9/45

All: 1746.637+/-209.464 χ^2/NDF: 87.7/87

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: 1435.878+/-0.336 χ^2/NDF: 115648.9/21

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

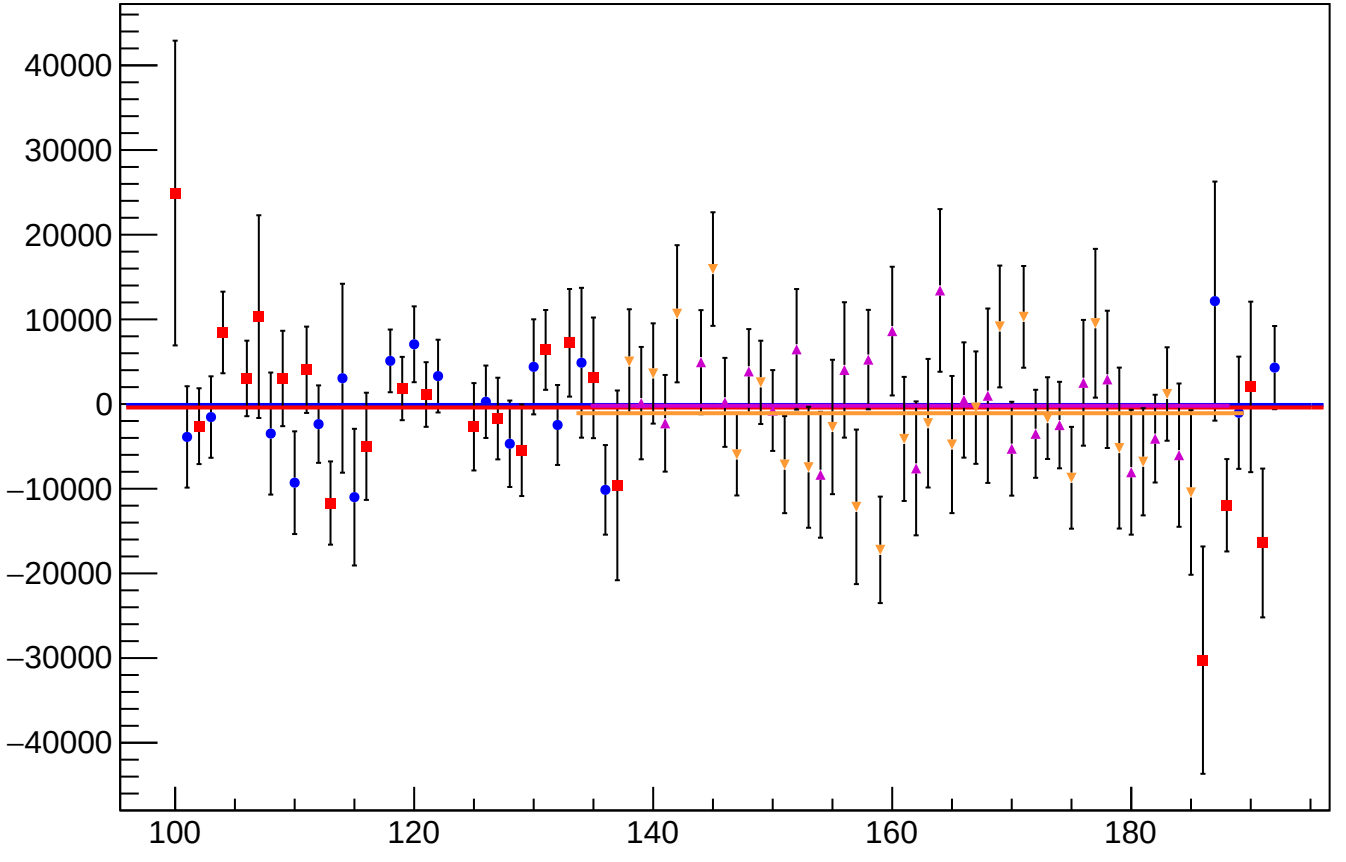
Right: 1429.667+/-0.239 χ^2/NDF: 222763.9/40

In: 1541.781+/-0.210 χ^2/NDF:442454.1/41

Out: 1549.495+/-0.209 χ^2/NDF:443529.9/45

All: 1545.653+/-0.148 χ^2/NDF: 886662.7/87

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: -407.077+/-1191.757 χ^2/NDF: 32.8/21

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

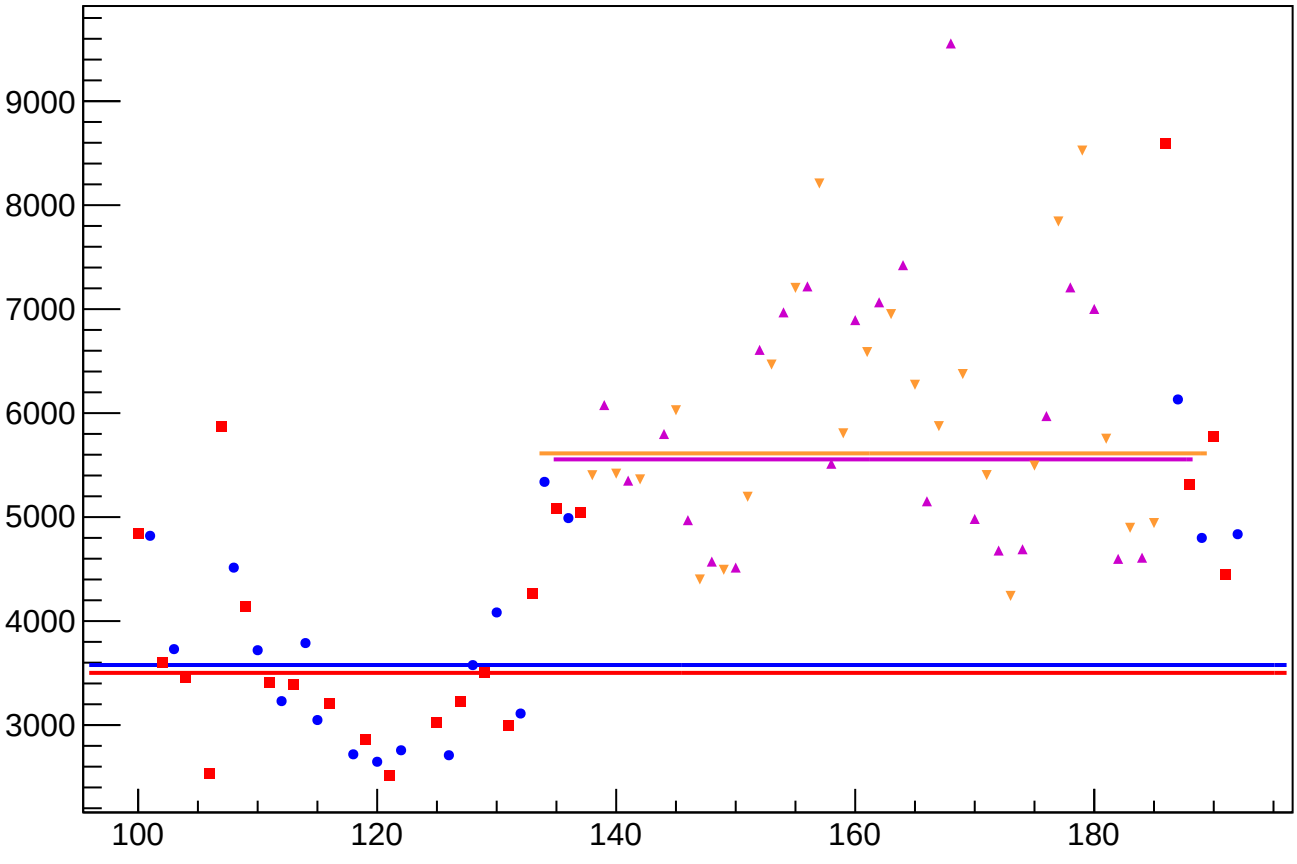
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: -262.623+/-858.383 χ^2/NDF: 50.4/40

In: -150.999+/-904.732 χ^2/NDF:30.4/41

Out: -707.151+/-888.277 χ^2/NDF:65.9/45

All: -434.179+/-633.844 χ^2/NDF: 96.5/87



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: 3501.815+/-0.843 χ^2/NDF: 1252443.7/21

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

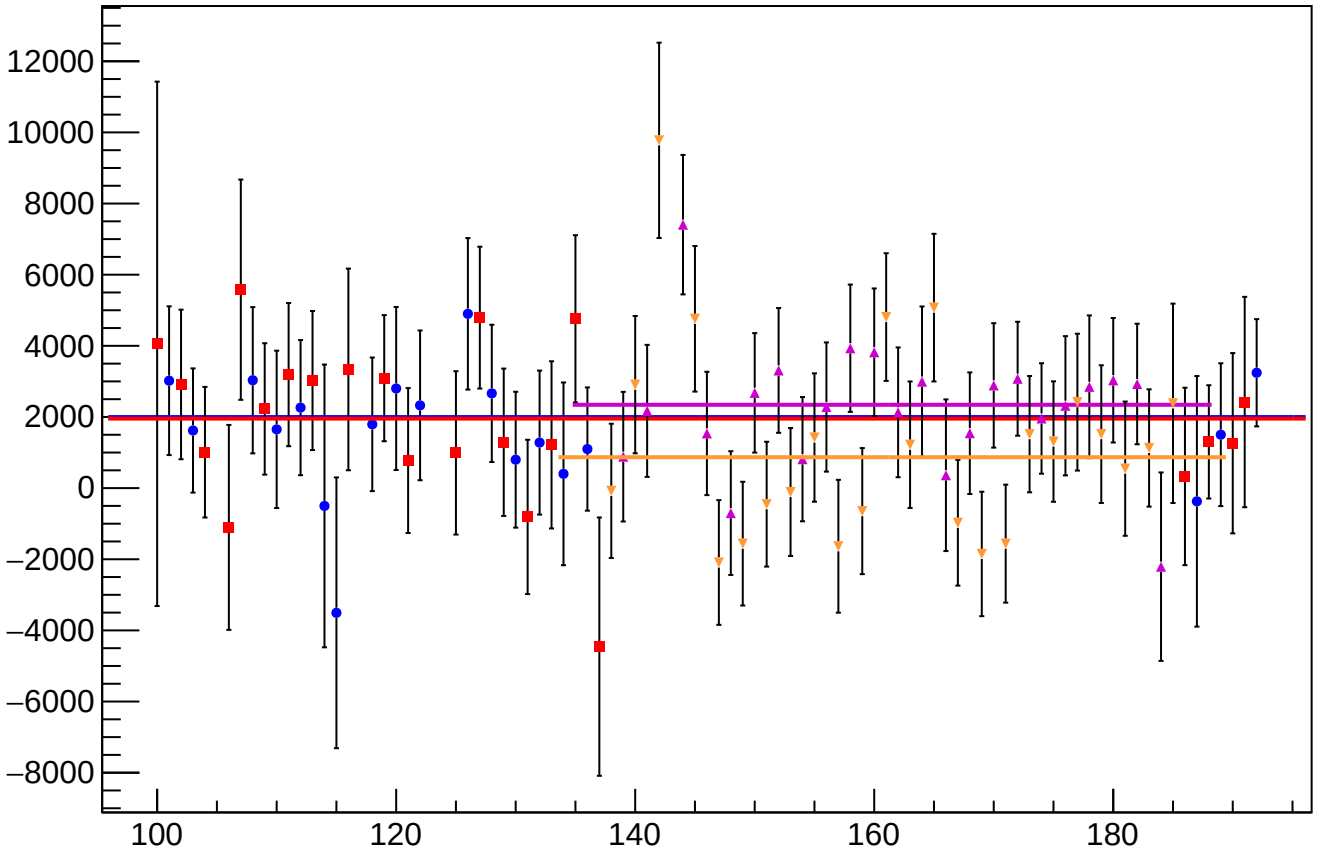
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3538.263+/-0.607 χ^2/NDF: 2271586.5/40

In: 4497.852+/-0.640 χ^2/NDF:4725190.9/41

Out: 4440.016+/-0.628 χ^2/NDF:5229390.7/45

All: 4468.403+/-0.448 χ^2/NDF: 9958743.2/87



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: 1954.586+/-476.662 χ^2/NDF: 14.0/21

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

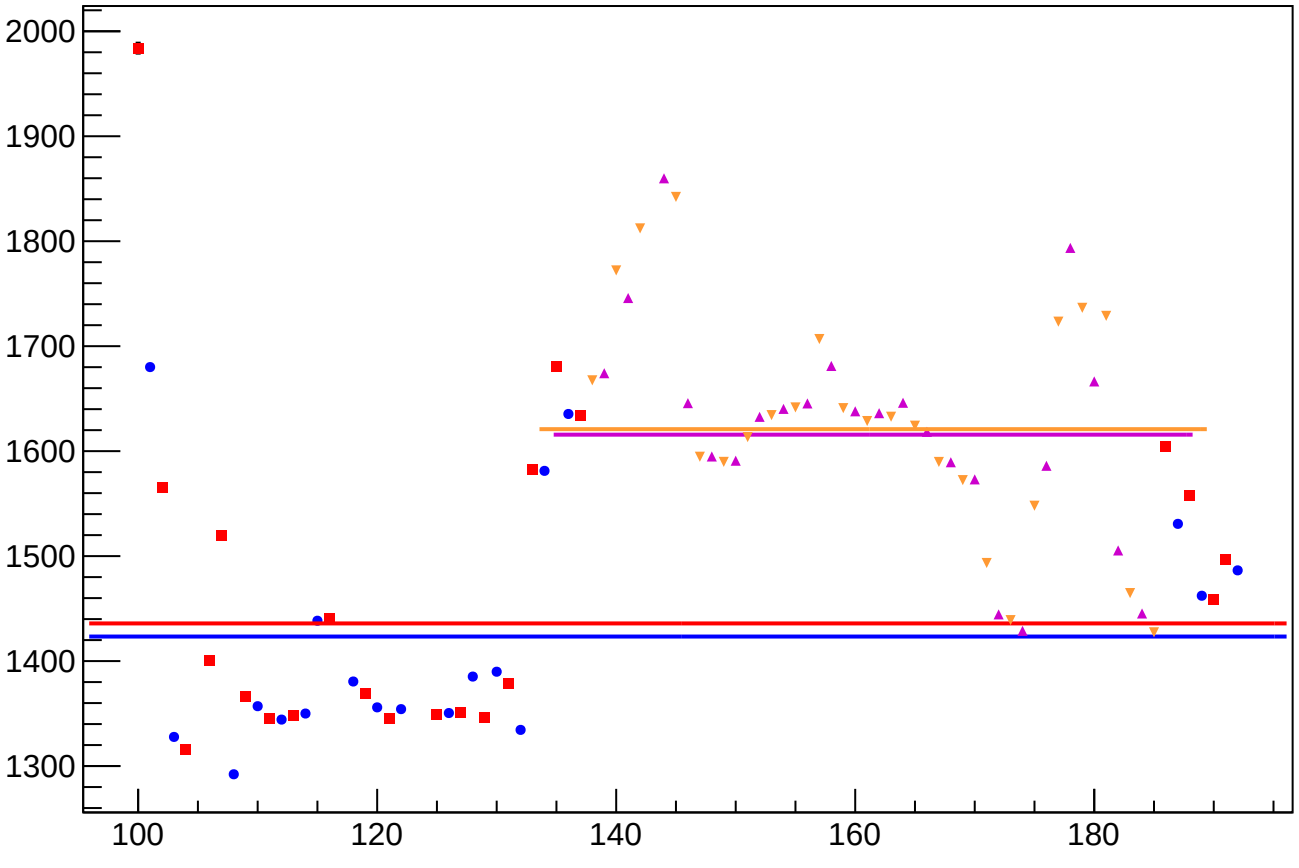
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 1975.505+/-337.708 χ^2/NDF: 21.6/40

In: 2209.419+/-296.675 χ^2/NDF:25.9/41

Out: 1286.640+/-295.780 χ^2/NDF:56.9/45

All: 1746.635+/-209.464 χ^2/NDF: 87.7/87



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: 1435.877+/-0.336 χ^2/NDF: 115648.9/21

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

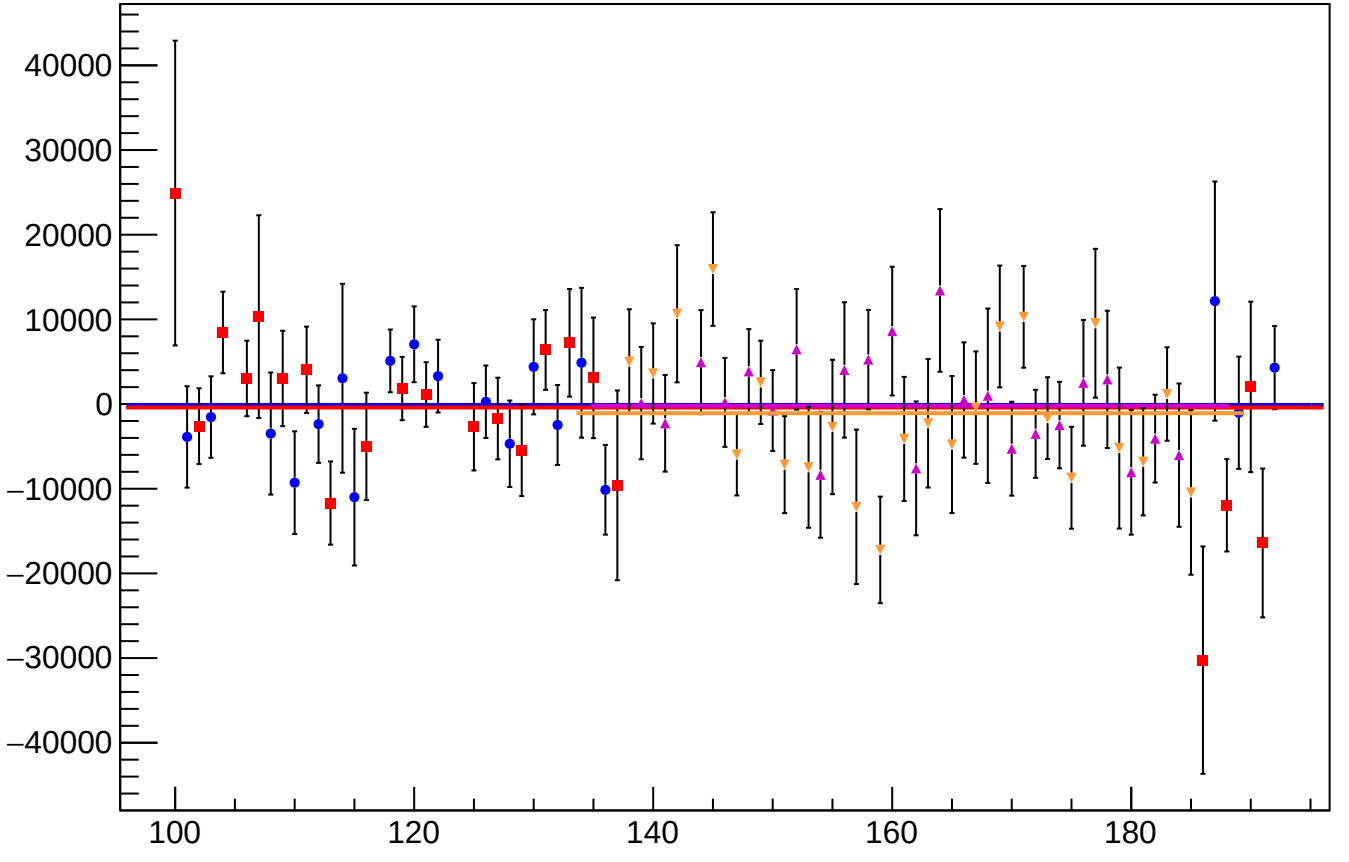
Right: 1429.667+/-0.239 χ^2/NDF: 222763.8/40

In: 1541.781+/-0.210 χ^2/NDF:442461.3/41

Out: 1549.495+/-0.209 χ^2/NDF:443537.6/45

All: 1545.653+/-0.148 χ^2/NDF: 886677.6/87

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -407.067+/-1191.754 χ^2/NDF: 32.8/21

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

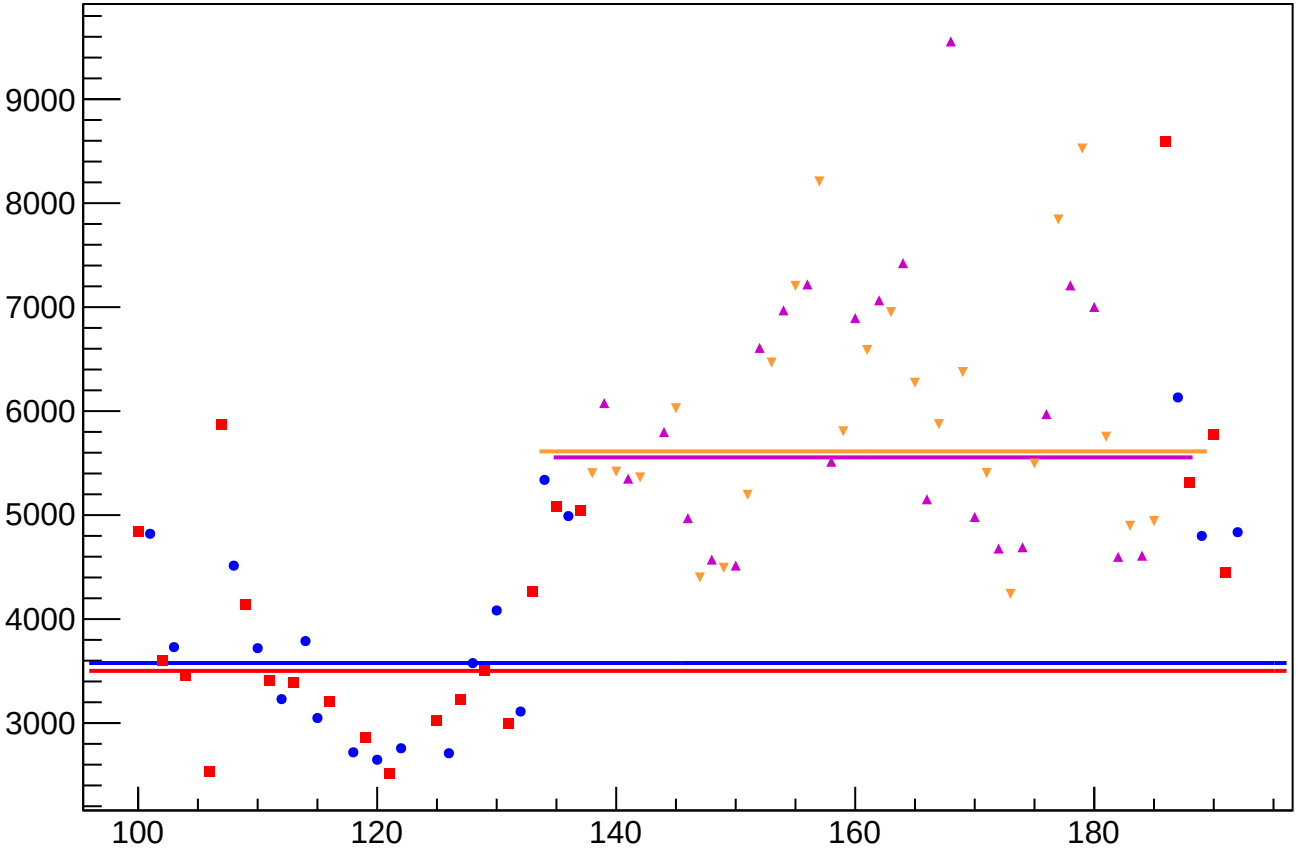
Right: -262.616+/-858.381 χ^2/NDF: 50.4/40

In: -150.997+/-904.732 χ^2/NDF:30.4/41

Out: -707.147+/-888.276 χ^2/NDF:65.9/45

All: -434.176+/-633.844 χ^2/NDF: 96.5/87

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 3501.805+/-0.843 χ^2/NDF: 1252453.0/21

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

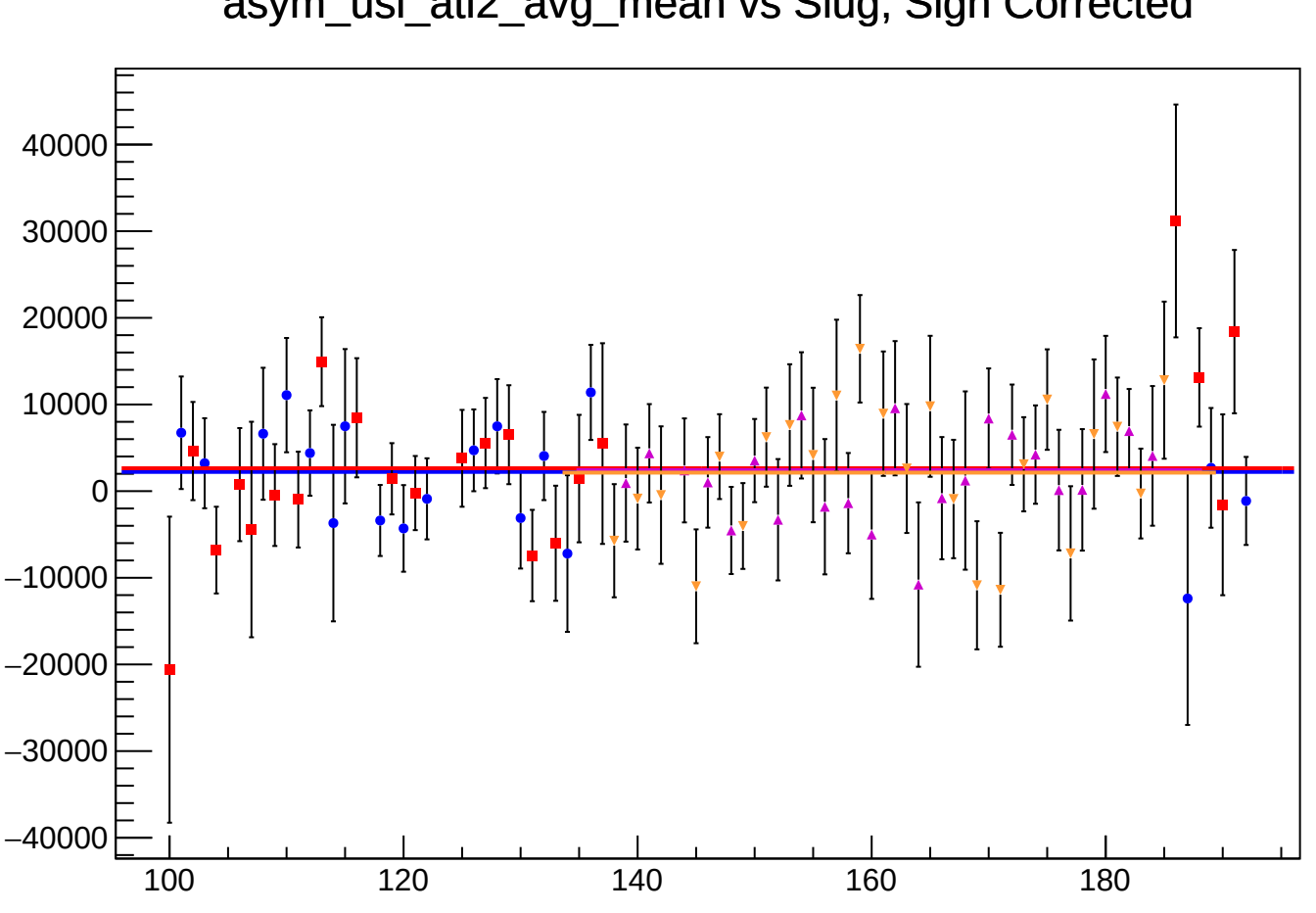
Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

Right: 3538.253+/-0.607 χ^2/NDF: 2271610.9/40

In: 4497.847+/-0.640 χ^2/NDF:4725254.5/41

Out: 4440.010+/-0.628 χ^2/NDF:5229452.2/45

All: 4468.398+/-0.448 χ^2/NDF: 9958868.3/87



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: 2639.870+/-1313.125 χ^2/NDF: 30.7/21

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

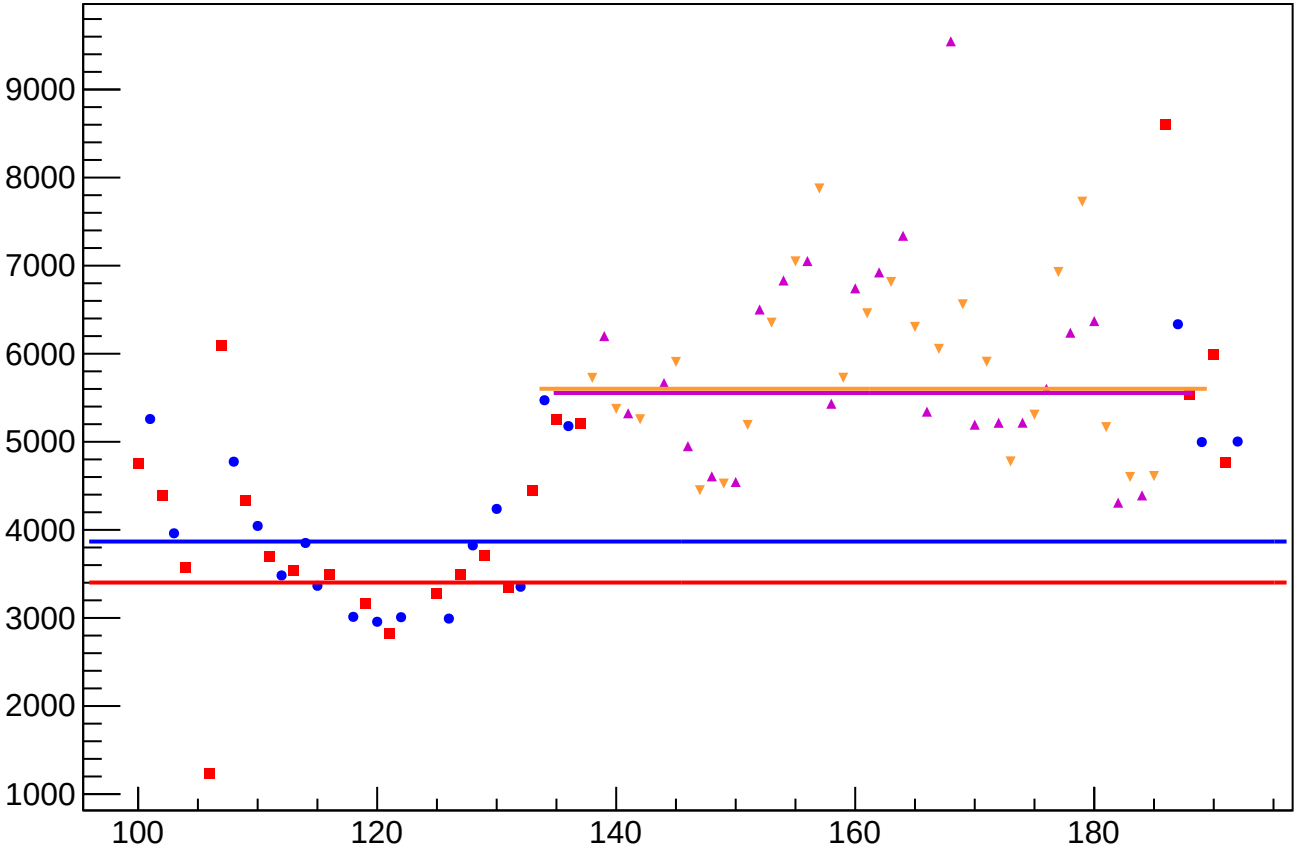
Right: 2433.794+/-934.896 χ^2/NDF: 45.7/40

In: 2325.806+/-937.754 χ^2/NDF:27.9/41

Out: 2391.147+/-932.476 χ^2/NDF:61.4/45

All: 2358.661+/-661.218 χ^2/NDF: 89.3/87

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: 3402.158+/-0.857 χ^2/NDF: 2414646.3/21

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

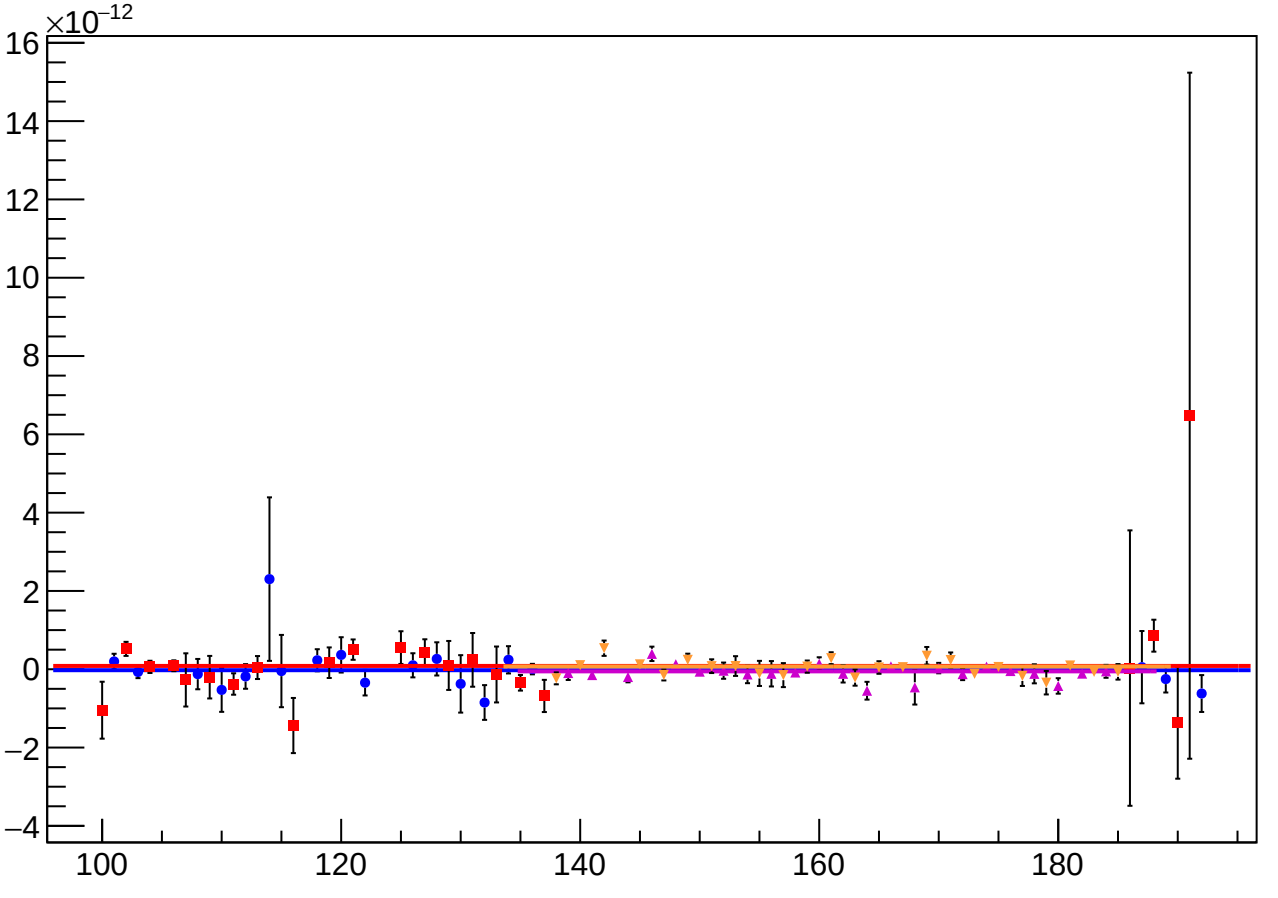
Right: 3613.176+/-0.634 χ^2/NDF: 3394535.9/40

In: 4717.386+/-0.663 χ^2/NDF:3575298.9/41

Out: 4405.209+/-0.632 χ^2/NDF:6358120.6/45

All: 4553.887+/-0.458 χ^2/NDF: 10049502.2/8

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: 34.7/21

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

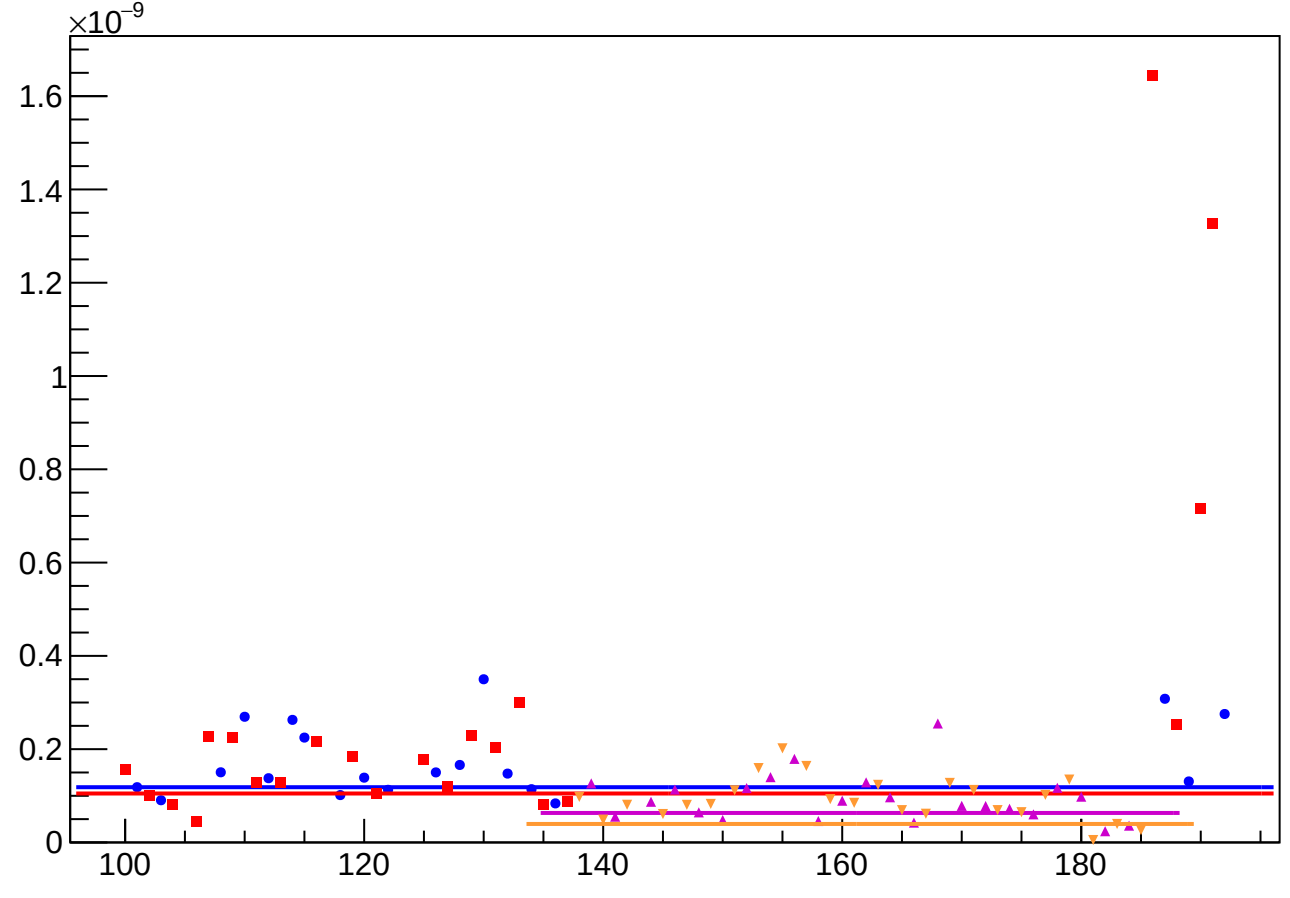
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 49.3/40

In: -0.000+/-0.000 χ^2/NDF:38.8/41

Out: 0.000+/-0.000 χ^2/NDF:63.0/45

All: 0.000+/-0.000 χ^2/NDF: 115.2/87



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: 2167621.2/21

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

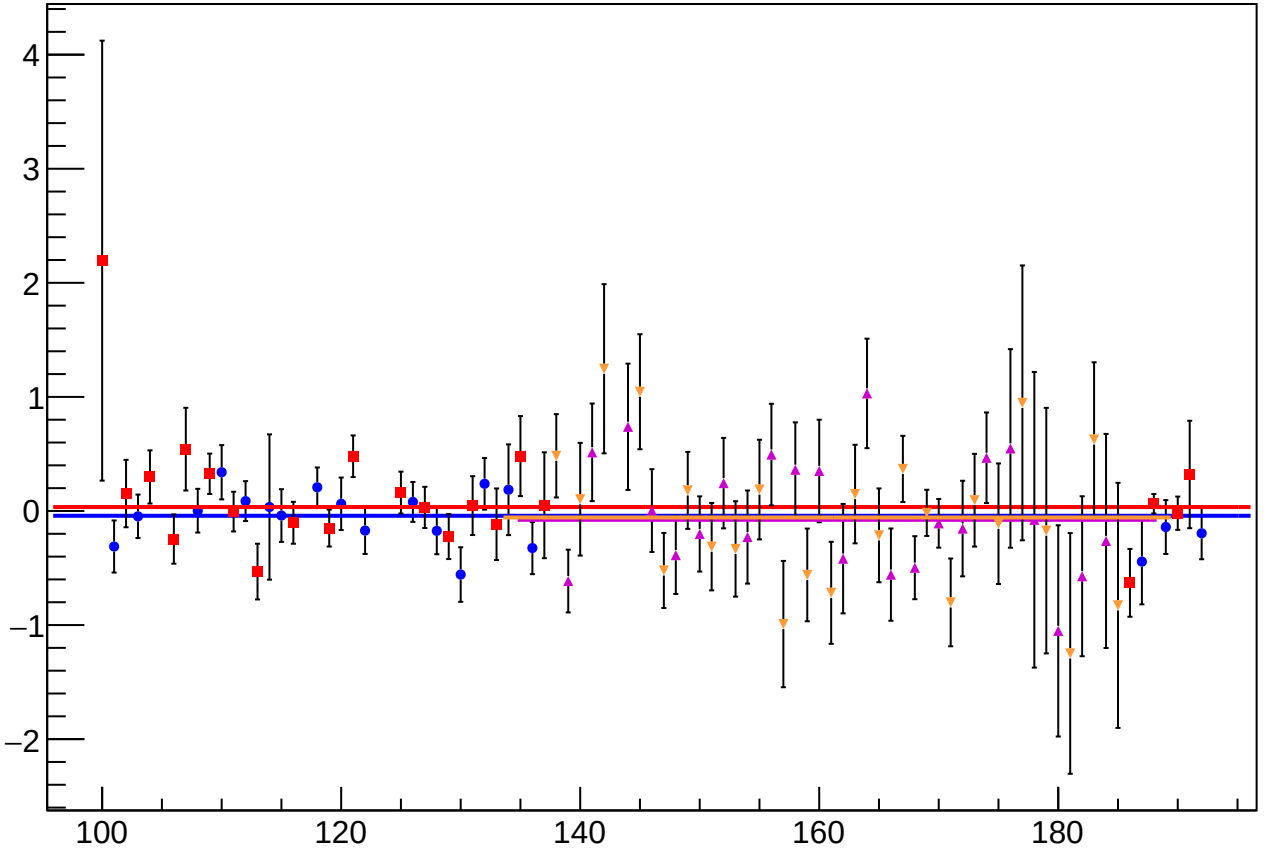
Right: 0.000+/-0.000 χ^2/NDF: 3184473.4/40

In: 0.000+/-0.000 χ^2/NDF:5023167.1/41

Out: 0.000+/-0.000 χ^2/NDF:10944364.2/45

All: 0.000+/-0.000 χ^2/NDF: 17077833.7/87

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: 0.034+/-0.042 χ^2/NDF: 32.0/21

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

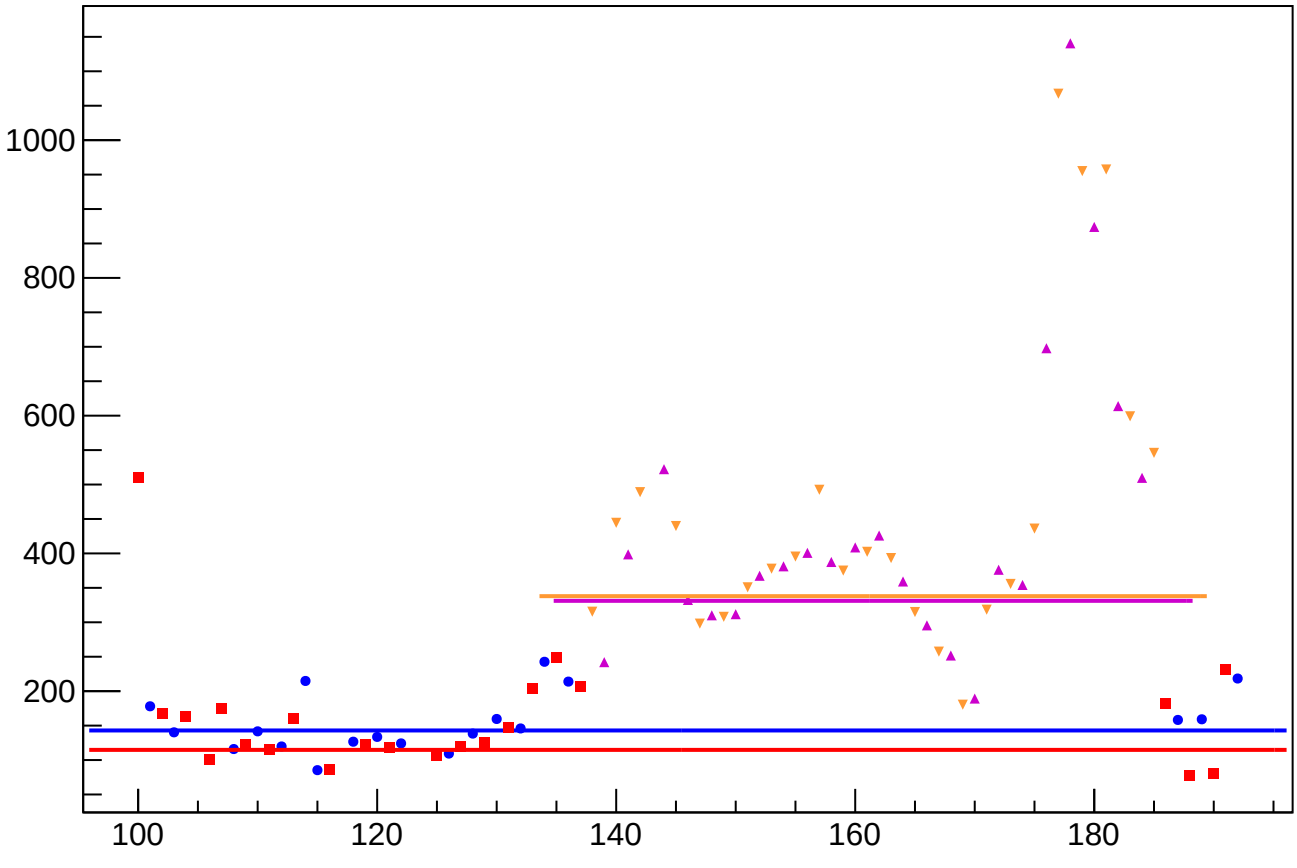
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.003+/-0.032 χ^2/NDF: 51.3/40

In: -0.052+/-0.044 χ^2/NDF:45.1/41

Out: 0.017+/-0.038 χ^2/NDF:63.3/45

All: -0.013+/-0.029 χ^2/NDF: 109.8/87



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: 114.750+/-0.030 χ^2/NDF: 1726138.5/21

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

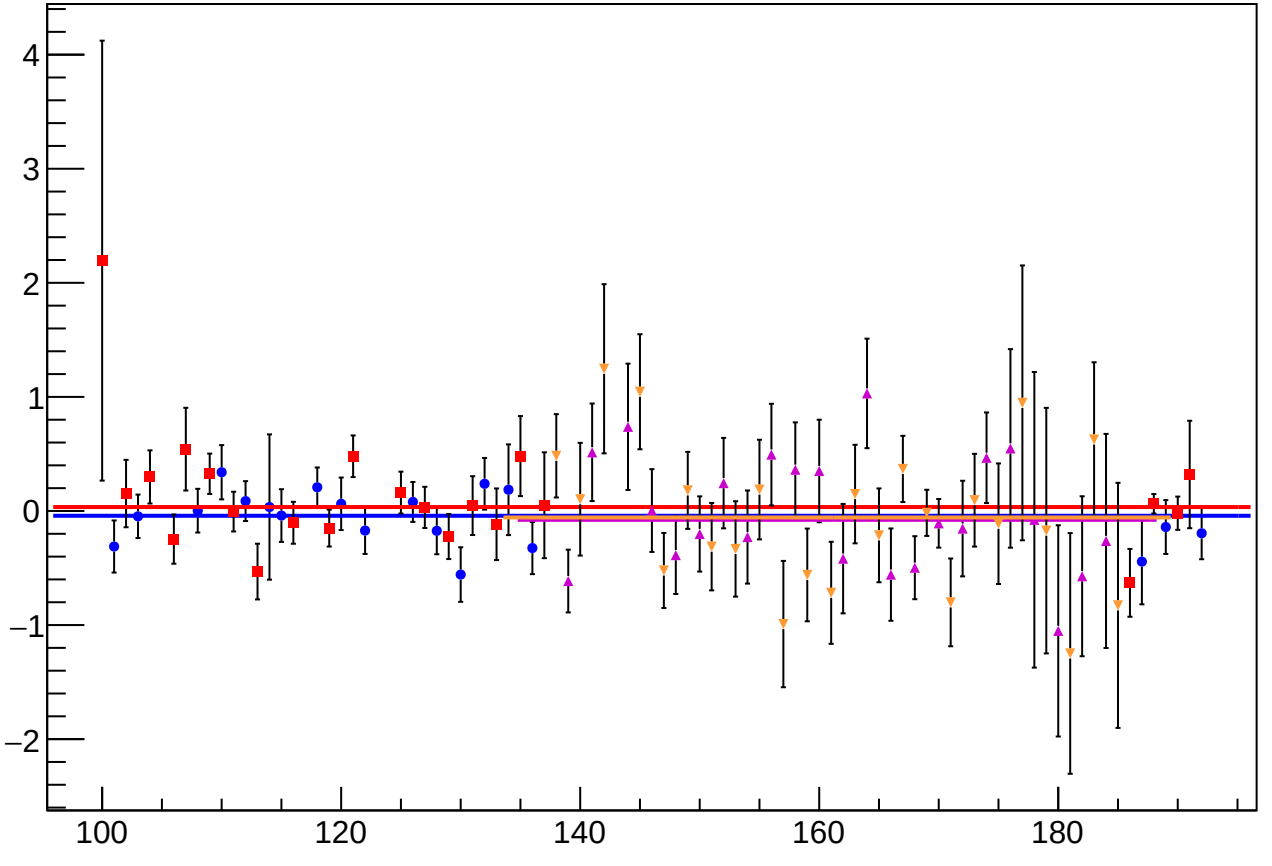
Right: 126.188+/-0.023 χ^2/NDF: 3035101.0/40

In: 194.134+/-0.031 χ^2/NDF:12465583.5/41

Out: 158.377+/-0.027 χ^2/NDF:17217723.2/45

All: 173.752+/-0.020 χ^2/NDF: 30453555.4/87

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: 0.034+/-0.042 χ^2/NDF: 32.0/21

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

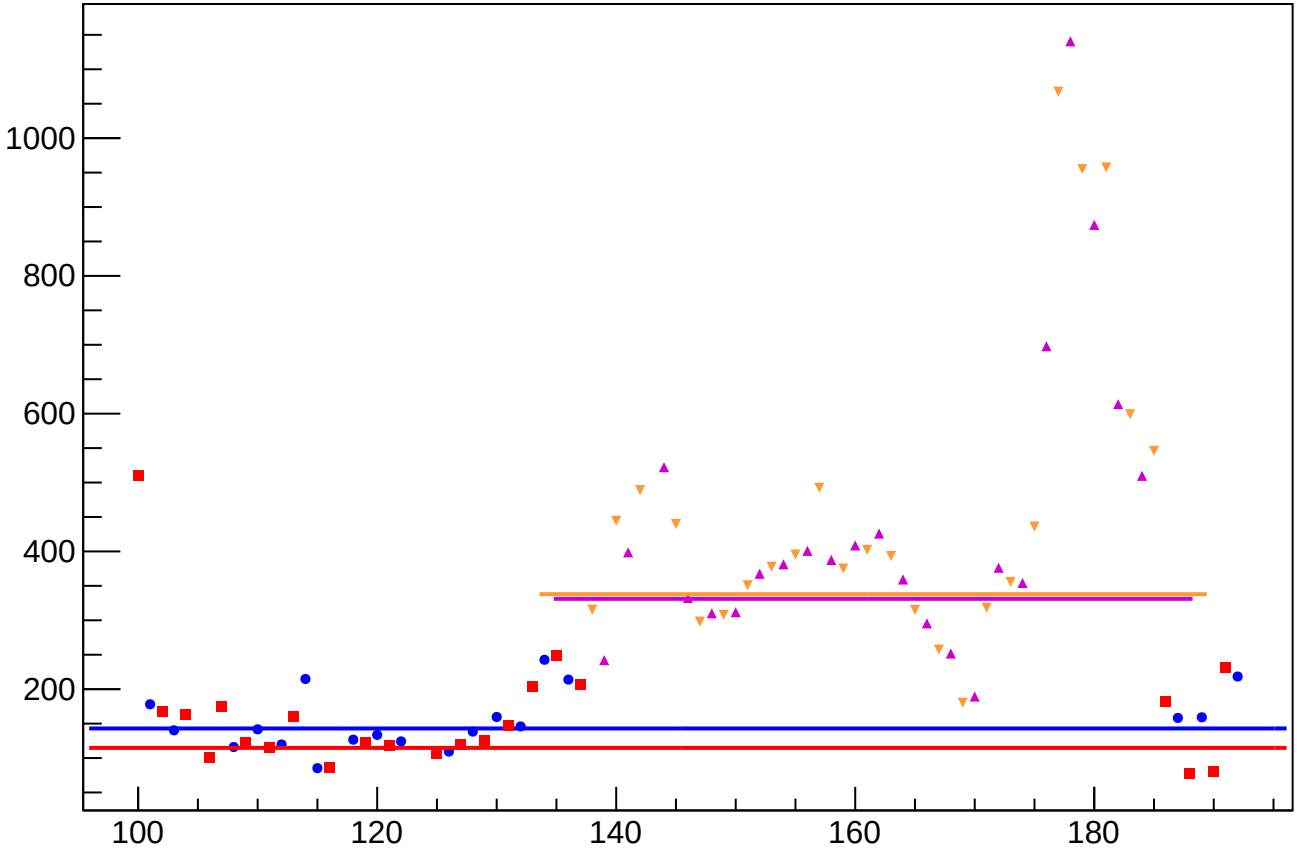
Right: 0.003+/-0.032 χ^2/NDF: 51.3/40

In: -0.052+/-0.044 χ^2/NDF:45.1/41

Out: 0.017+/-0.038 χ^2/NDF:63.3/45

All: -0.013+/-0.029 χ^2/NDF: 109.8/87

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 114.750+/-0.030 χ^2/NDF: 1726138.5/21

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

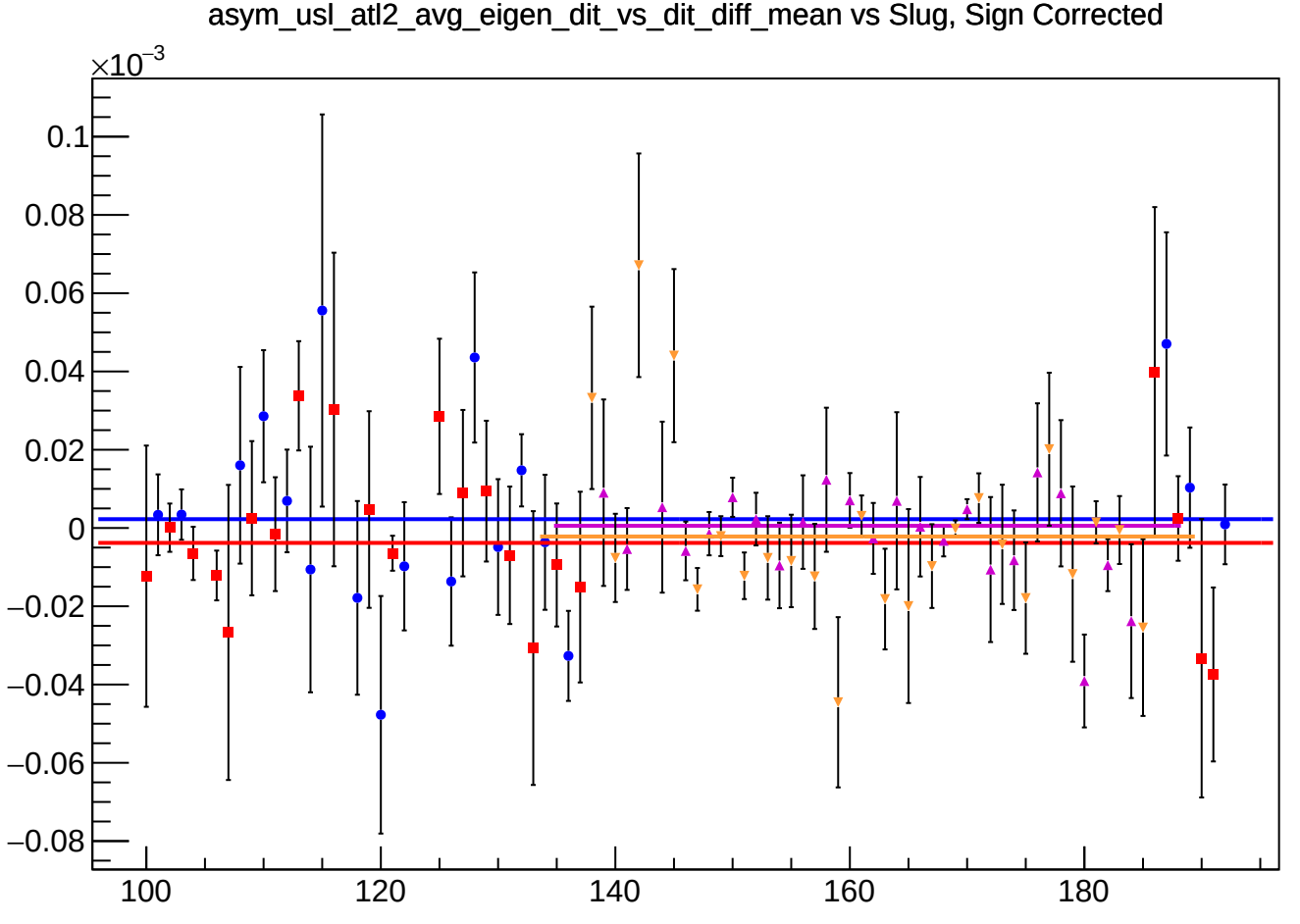
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

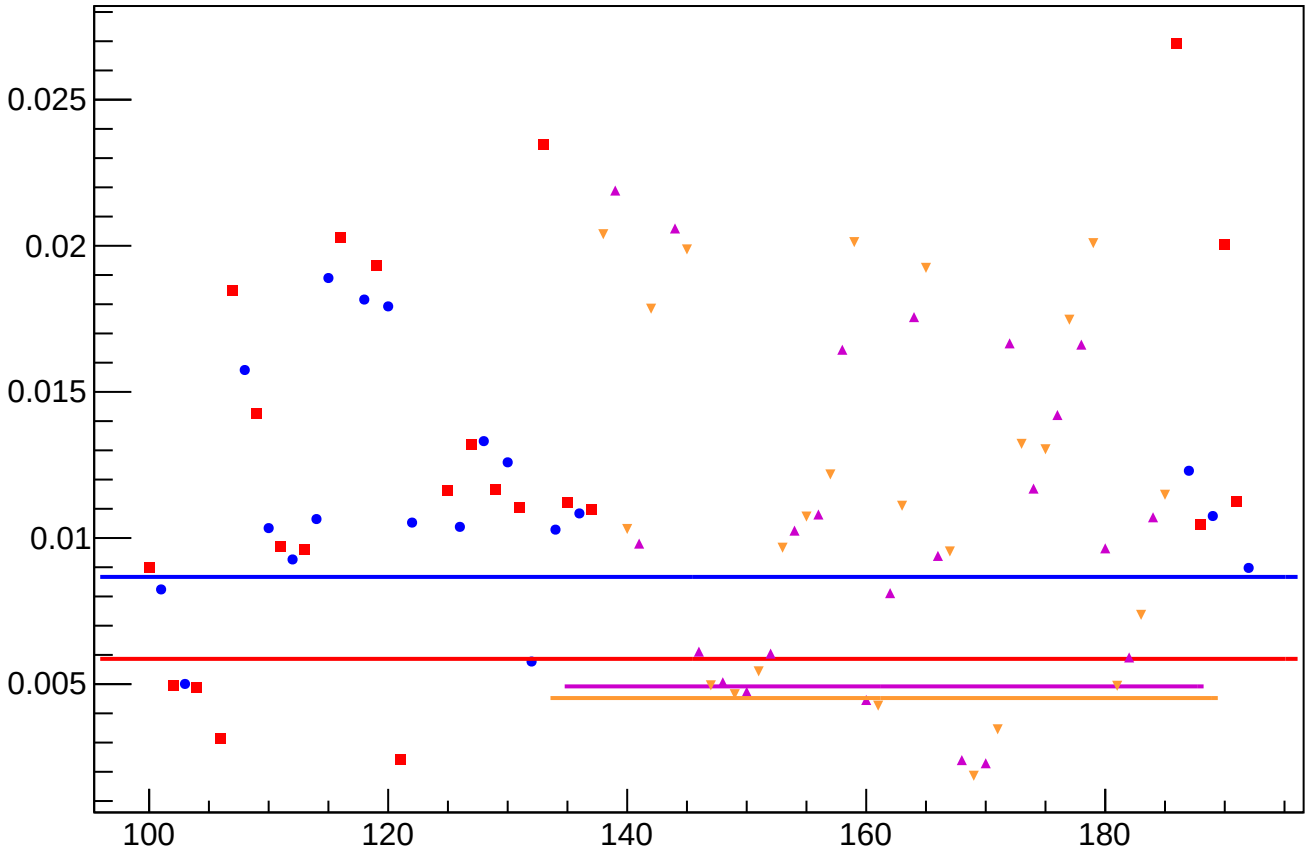
Right: 126.188+/-0.023 χ^2/NDF: 3035101.0/40

In: 194.134+/-0.031 χ^2/NDF:12465583.5/41

Out: 158.377+/-0.027 χ^2/NDF:17217723.2/45

All: 173.752+/-0.020 χ^2/NDF: 30453555.4/87


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 26.8/18
Left Out: -0.000+/-0.000 χ²/NDF:37.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 20.2/21
Left In: 0.000+/-0.000 χ²/NDF:26.2/22
Left: -0.000+/-0.000 χ²/NDF: 65.9/46
Right: -0.000+/-0.000 χ²/NDF: 49.2/40
In: 0.000+/-0.000 χ²/NDF:53.2/41
Out: -0.000+/-0.000 χ²/NDF:58.4/45
All: -0.000+/-0.000 χ²/NDF: 115.2/87



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: 6273612.7/21

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

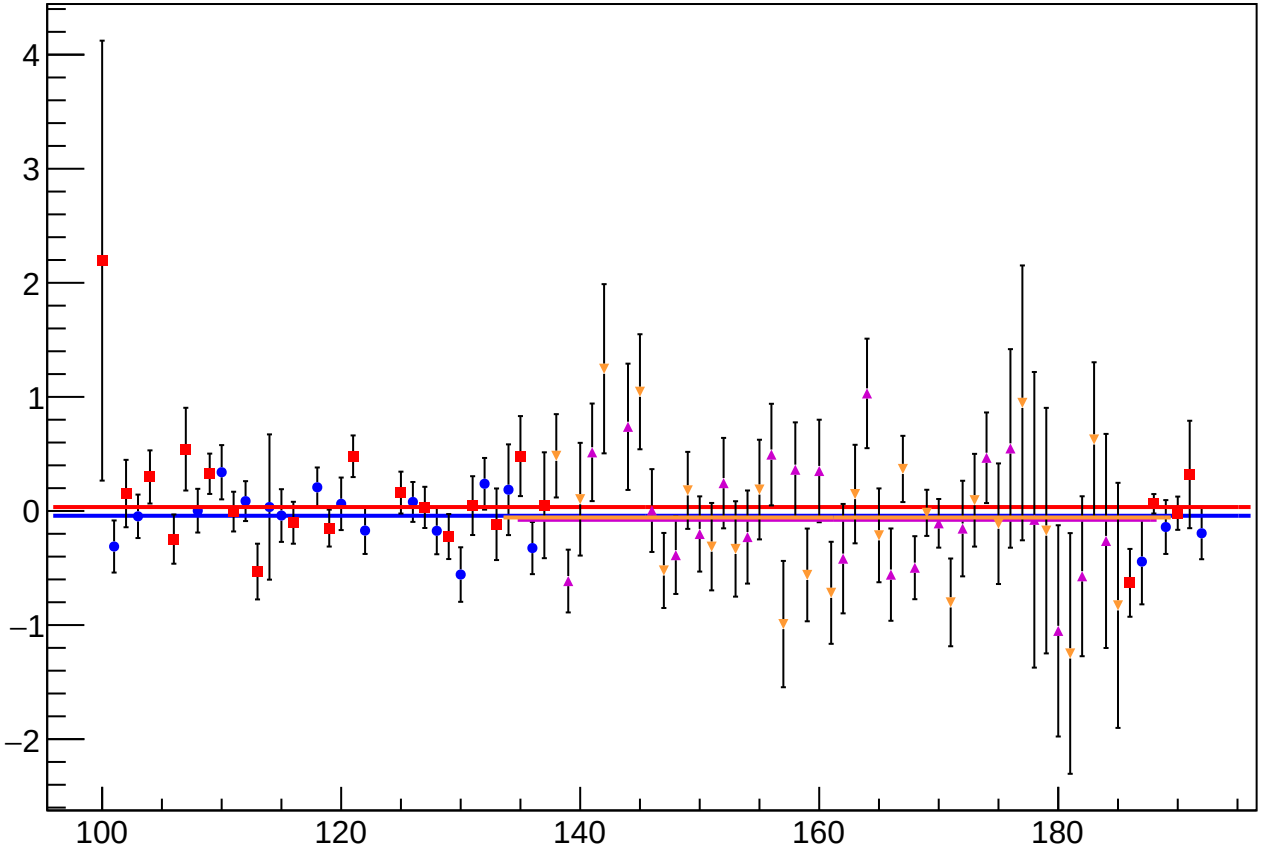
Right: 0.007+/-0.000 χ^2/NDF: 9259337.5/40

In: 0.006+/-0.000 χ^2/NDF:15910735.0/41

Out: 0.005+/-0.000 χ^2/NDF:20968634.1/45

All: 0.005+/-0.000 χ^2/NDF: 37215015.4/87

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: 0.034+/-0.042 χ^2/NDF: 32.0/21

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

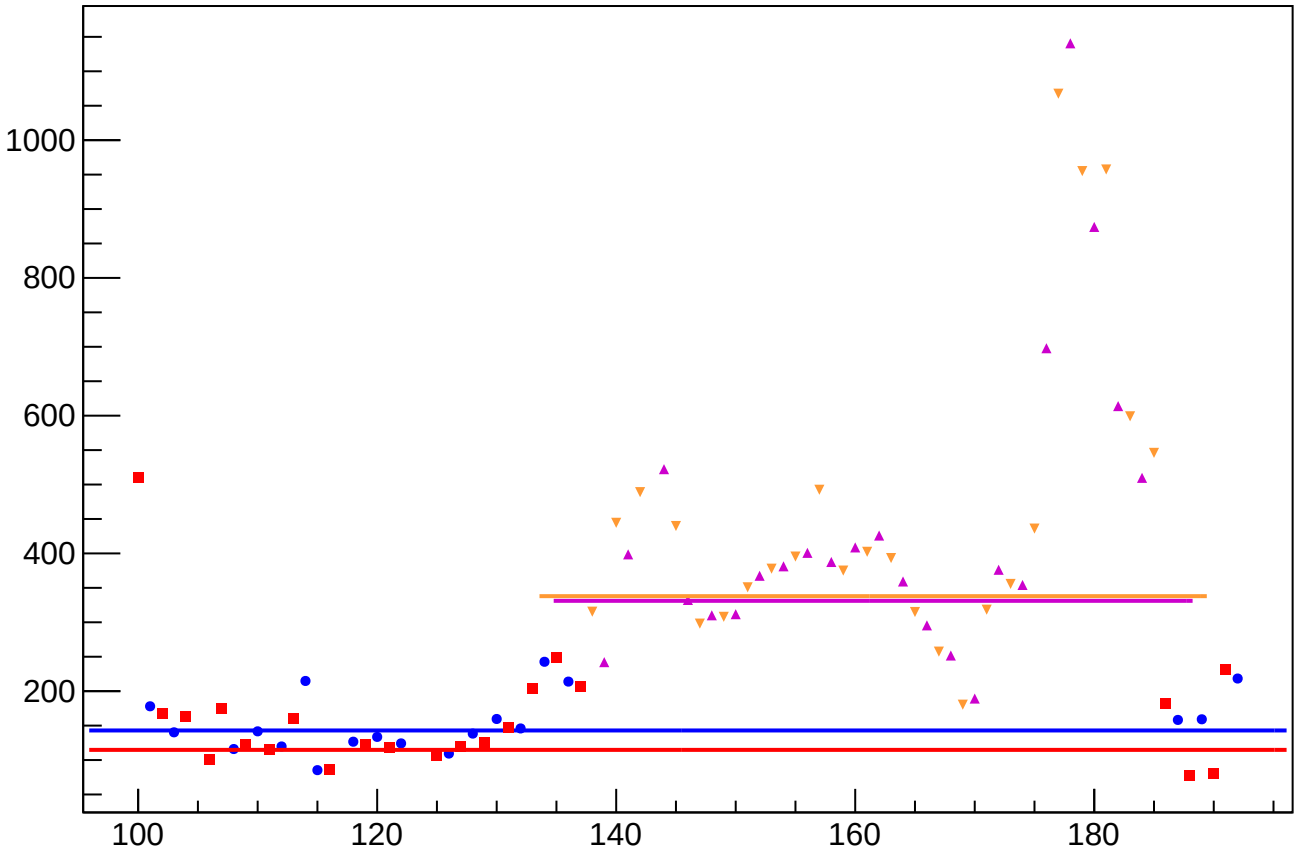
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.003+/-0.032 χ^2/NDF: 51.3/40

In: -0.052+/-0.044 χ^2/NDF:45.1/41

Out: 0.017+/-0.038 χ^2/NDF:63.3/45

All: -0.013+/-0.029 χ^2/NDF: 109.8/87



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: 114.748+/-0.030 χ^2/NDF: 1726181.6/21

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

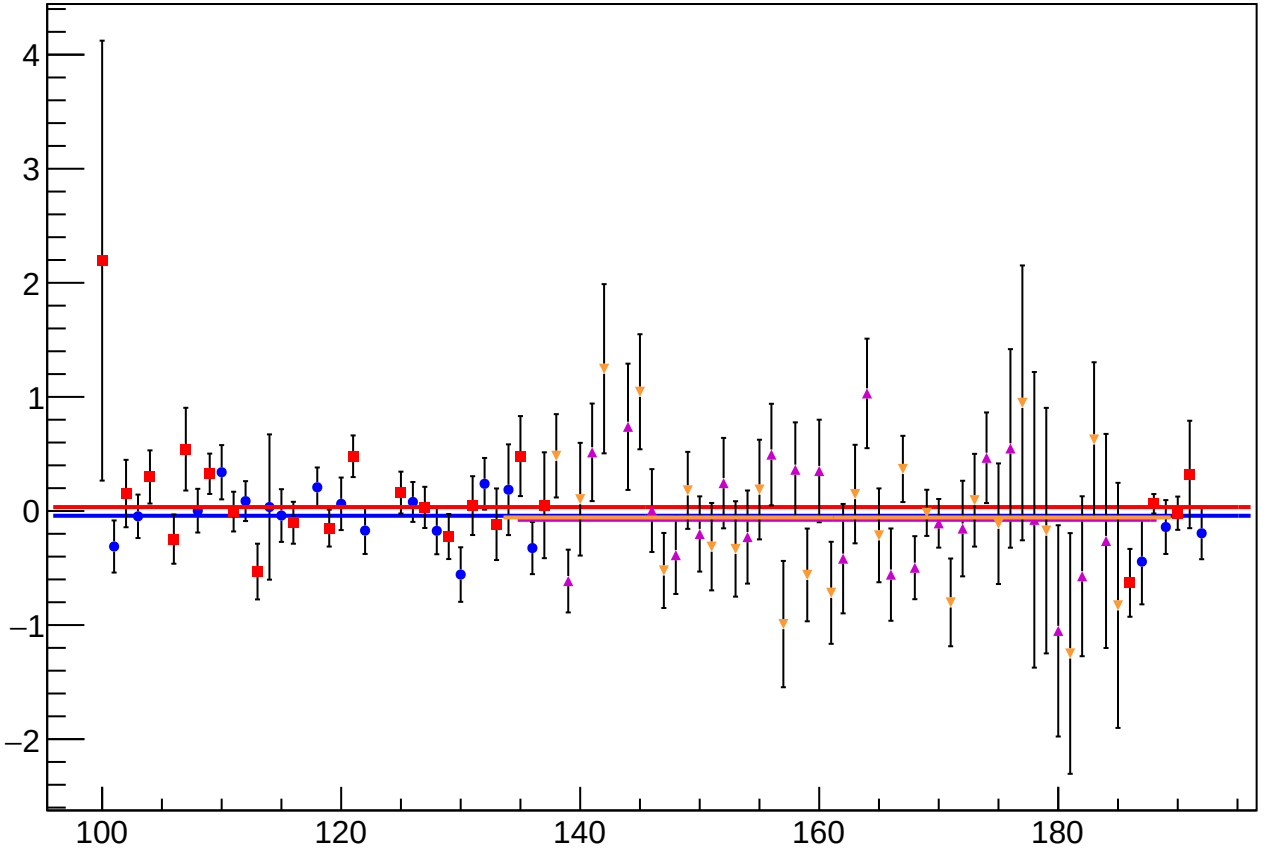
Right: 126.187+/-0.023 χ^2/NDF: 3035171.8/40

In: 194.134+/-0.031 χ^2/NDF:12465671.5/41

Out: 158.374+/-0.027 χ^2/NDF:17218151.9/45

All: 173.751+/-0.020 χ^2/NDF: 30454196.8/87

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: 0.034+/-0.042 χ^2/NDF: 32.0/21

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

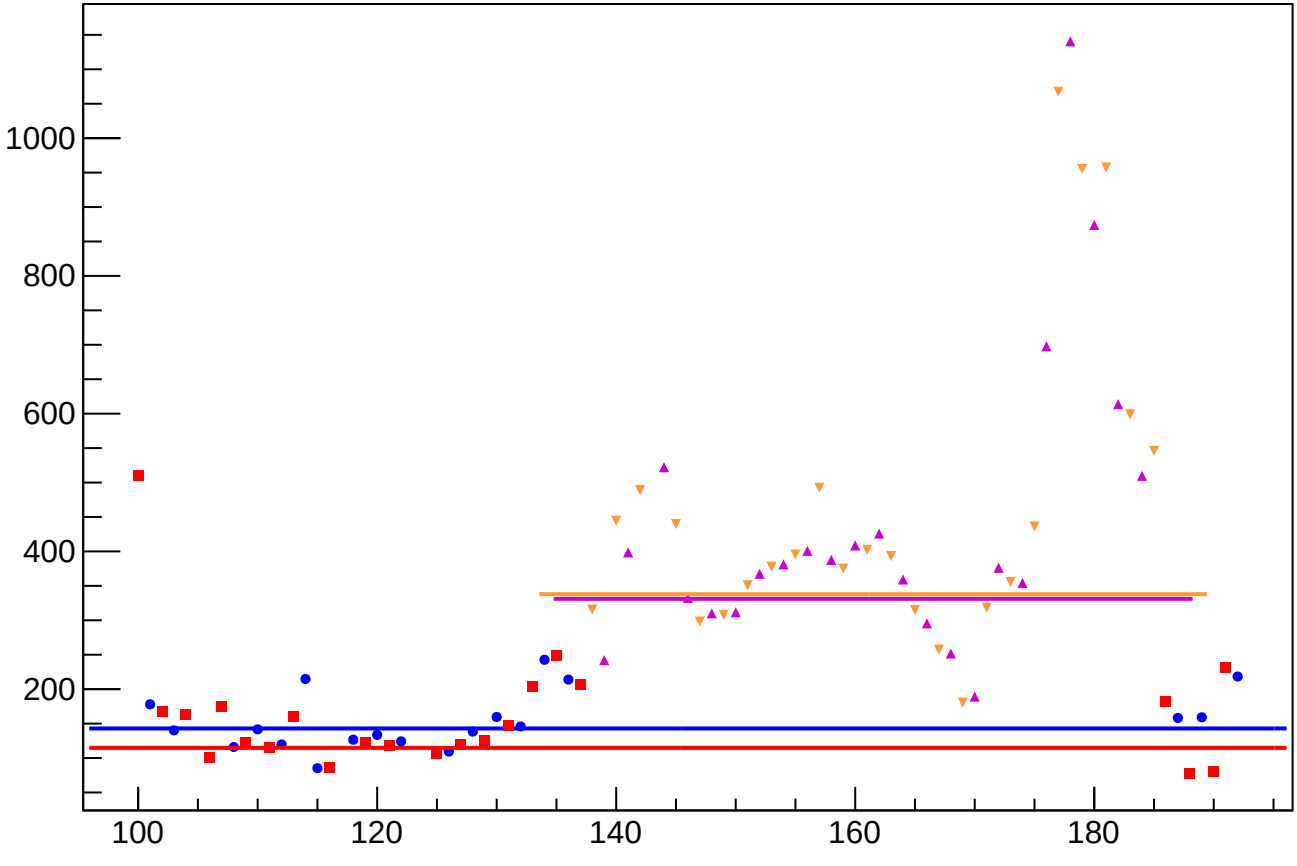
Right: 0.003+/-0.032 χ^2/NDF: 51.3/40

In: -0.052+/-0.044 χ^2/NDF:45.1/41

Out: 0.017+/-0.038 χ^2/NDF:63.3/45

All: -0.013+/-0.029 χ^2/NDF: 109.8/87

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: 114.748+/-0.030 χ^2/NDF: 1726181.6/21

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

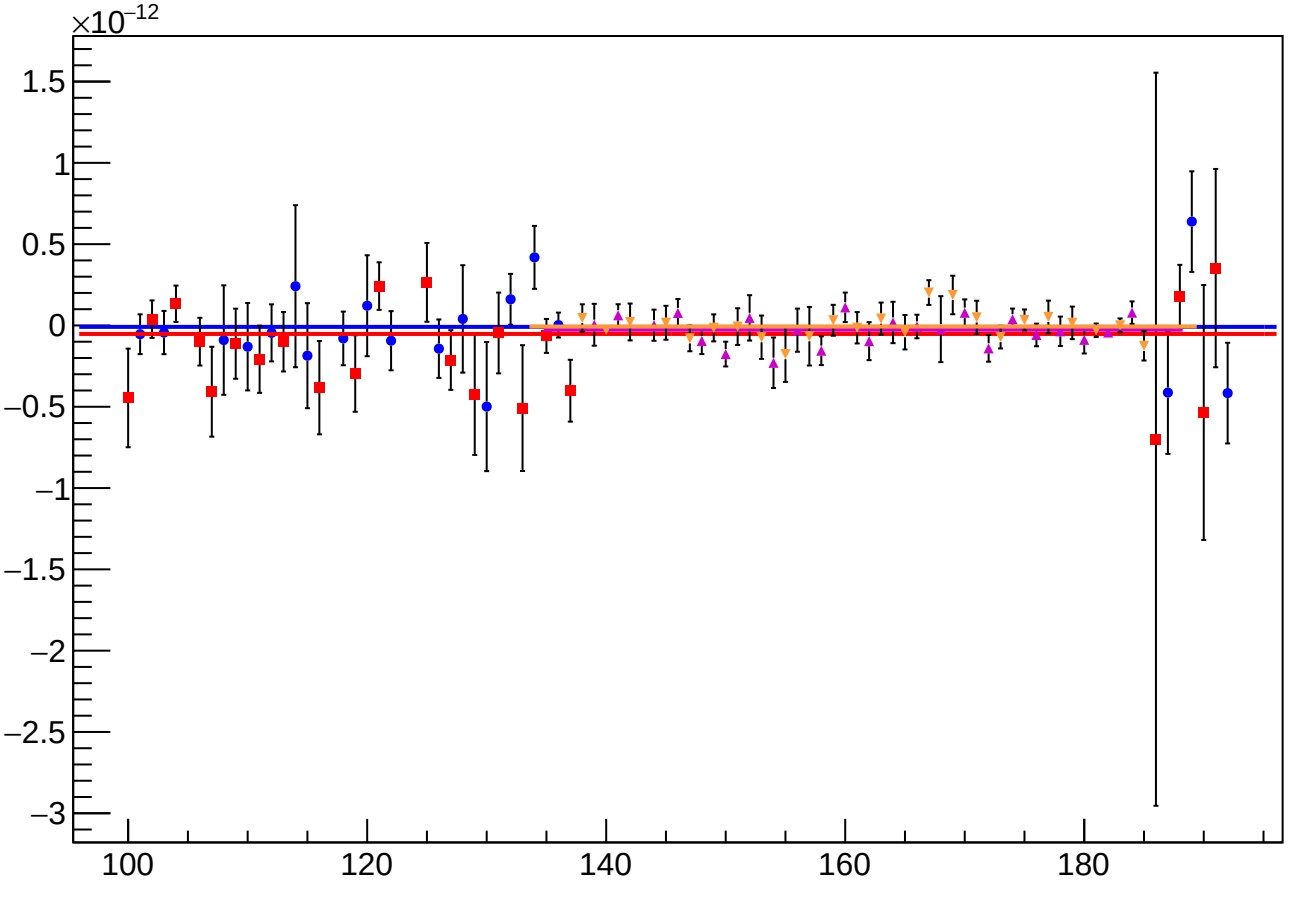
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 126.187+/-0.023 χ^2/NDF: 3035171.8/40

In: 194.134+/-0.031 χ^2/NDF:12465671.5/41

Out: 158.374+/-0.027 χ^2/NDF:17218151.9/45

All: 173.751+/-0.020 χ^2/NDF: 30454196.8/87



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: 24.5/21

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

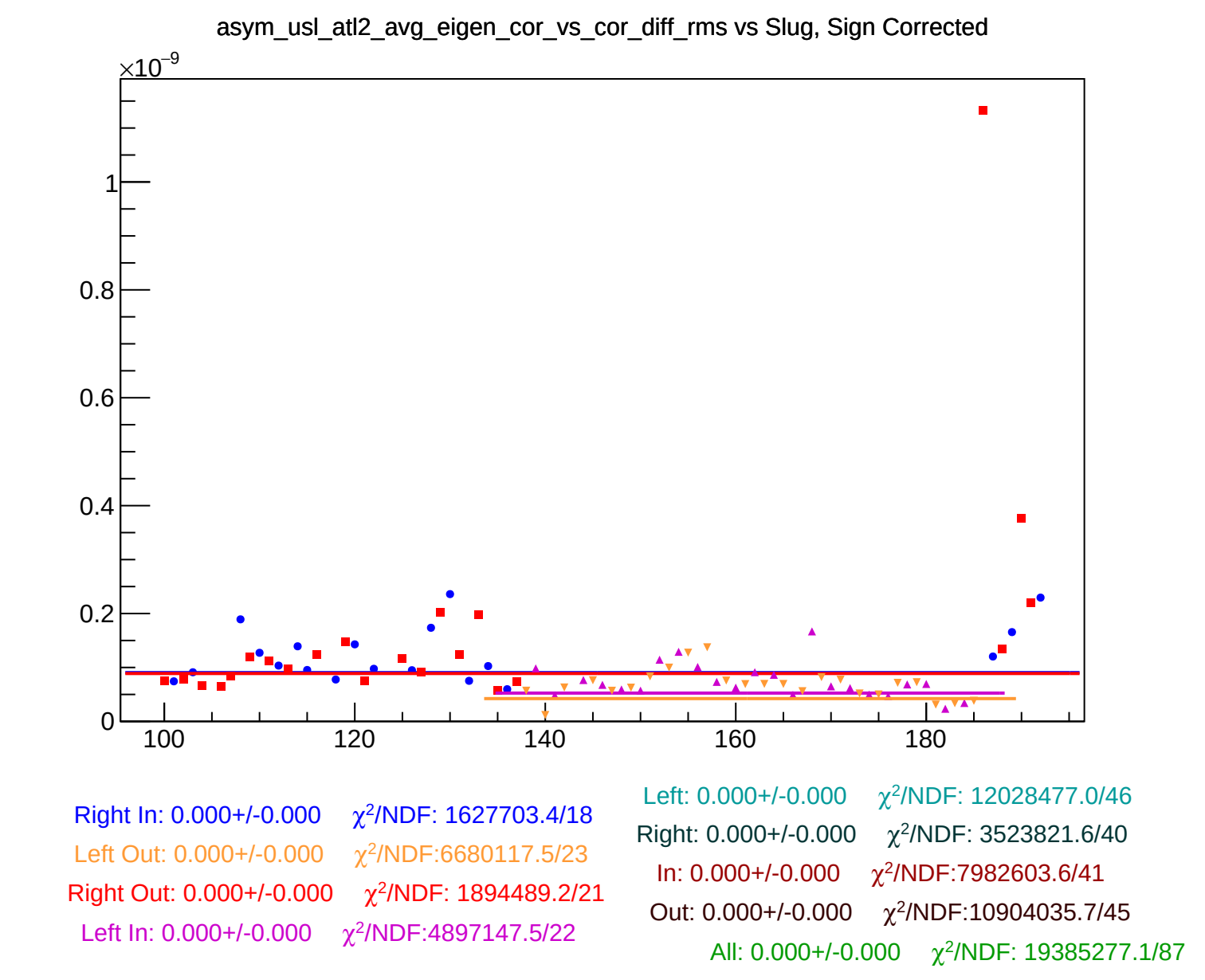
Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

Right: -0.000+/-0.000 χ^2/NDF: 42.1/40

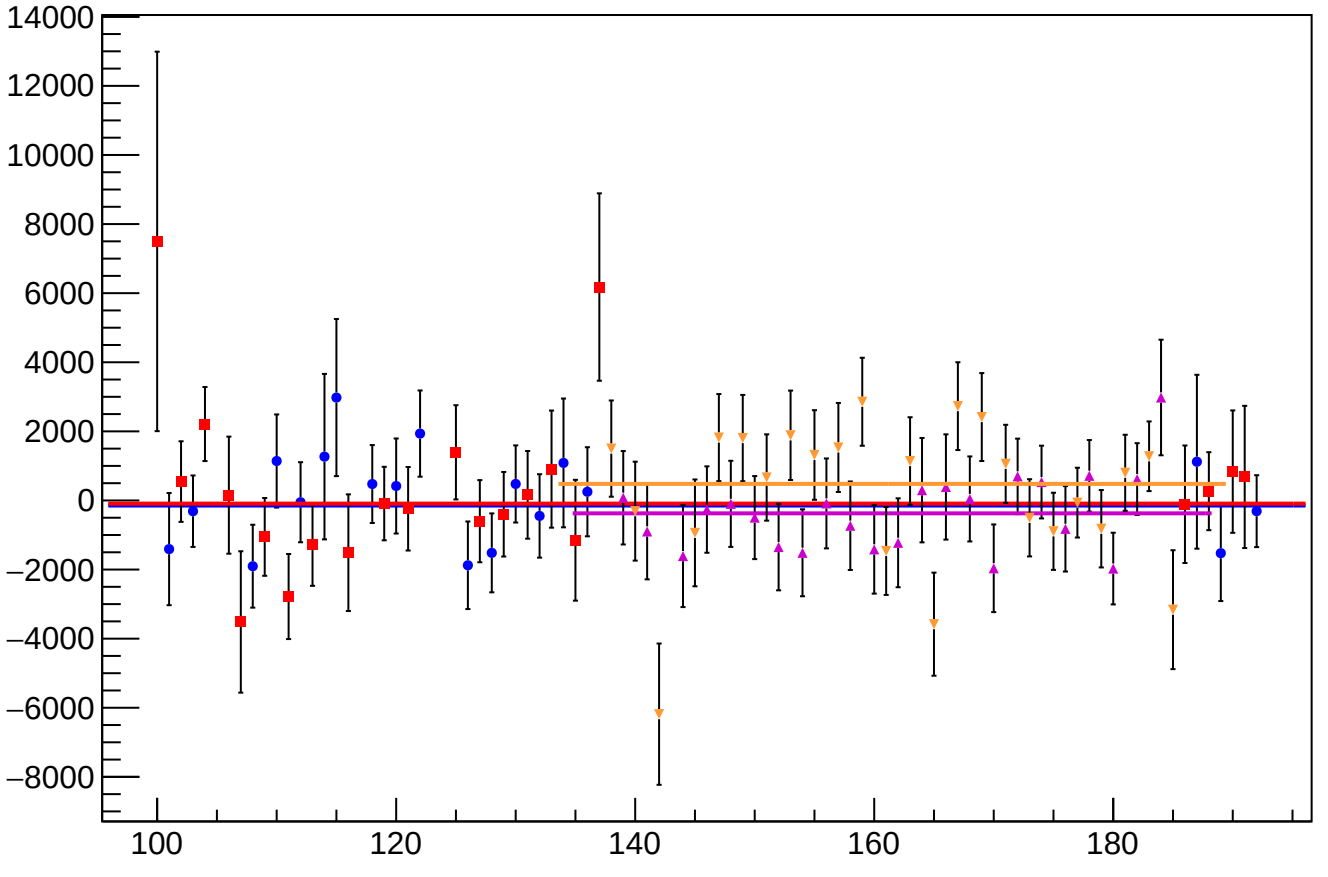
In: -0.000+/-0.000 χ^2/NDF:40.0/41

Out: -0.000+/-0.000 χ^2/NDF:43.7/45

All: -0.000+/-0.000 χ^2/NDF: 84.1/87


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 1627703.4/18
Left Out: 0.000+/-0.000 χ²/NDF:6680117.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 1894489.2/21
Left In: 0.000+/-0.000 χ²/NDF:4897147.5/22
Left: 0.000+/-0.000 χ²/NDF: 12028477.0/46
Right: 0.000+/-0.000 χ²/NDF: 3523821.6/40
In: 0.000+/-0.000 χ²/NDF:7982603.6/41
Out: 0.000+/-0.000 χ²/NDF:10904035.7/45
All: 0.000+/-0.000 χ²/NDF: 19385277.1/87

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: -91.287+/-296.944 χ^2/NDF: 24.9/21

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

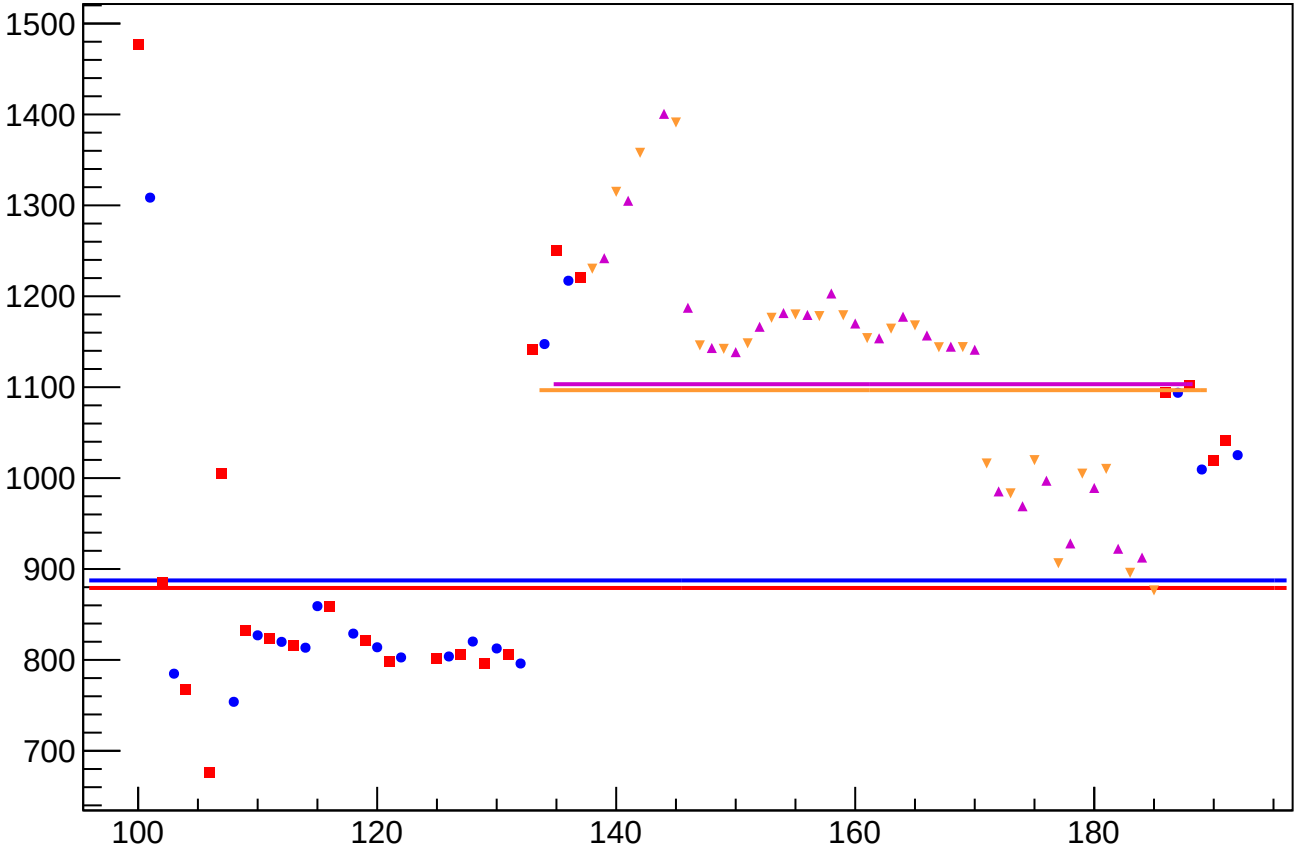
Right: -118.720+/-211.574 χ^2/NDF: 39.6/40

In: -276.876+/-196.609 χ^2/NDF:31.0/41

Out: 235.813+/-194.036 χ^2/NDF:72.2/45

All: -17.154+/-138.105 χ^2/NDF: 106.7/87

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: 879.137+/-0.208 χ^2/NDF: 464807.8/21

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

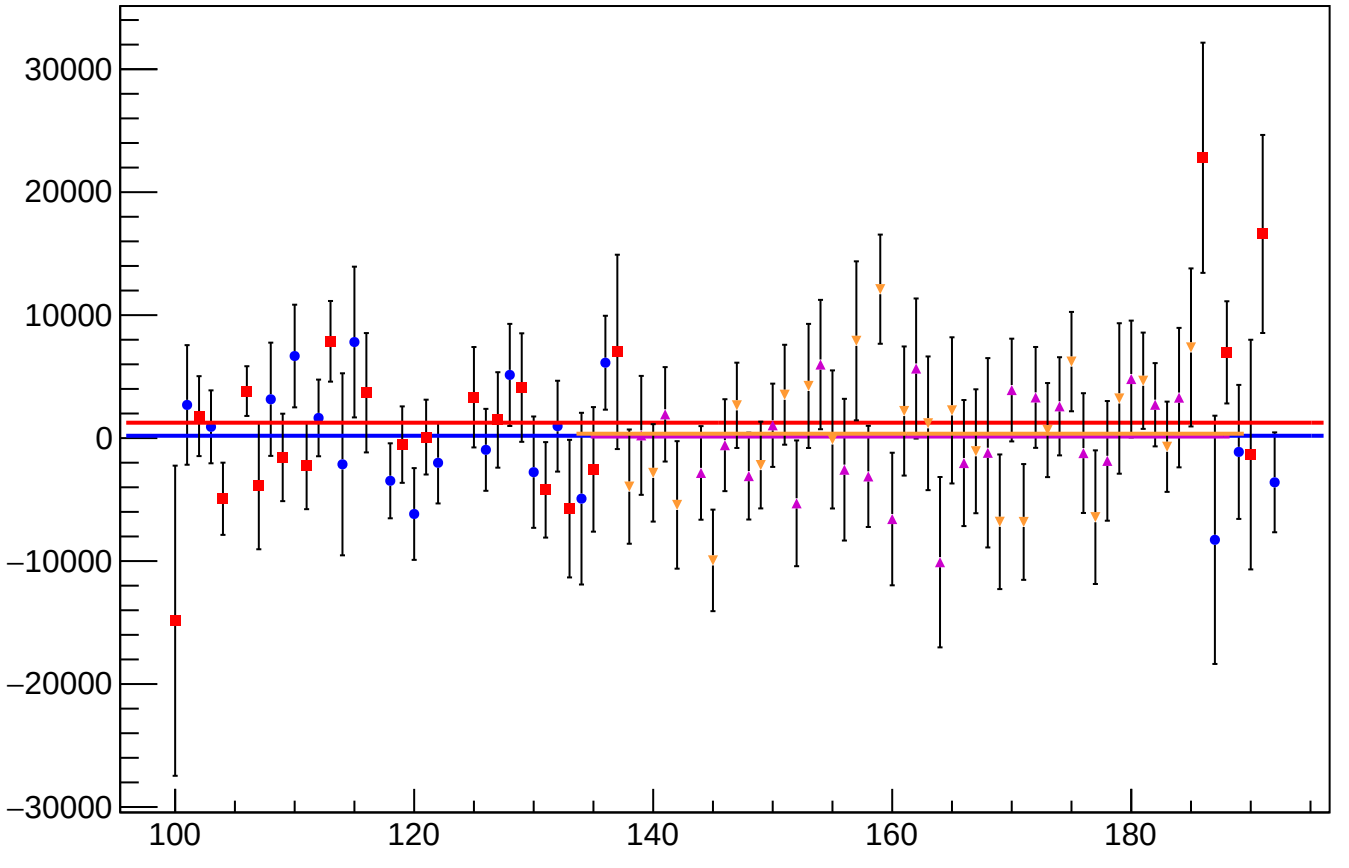
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 883.180+/-0.149 χ^2/NDF: 947752.3/40

In: 1011.515+/-0.139 χ^2/NDF:1518816.1/41

Out: 1002.679+/-0.137 χ^2/NDF:1568061.3/45

All: 1007.019+/-0.097 χ^2/NDF: 3088932.9/87



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: 1252.570+/-835.425 χ^2/NDF: 31.3/21

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

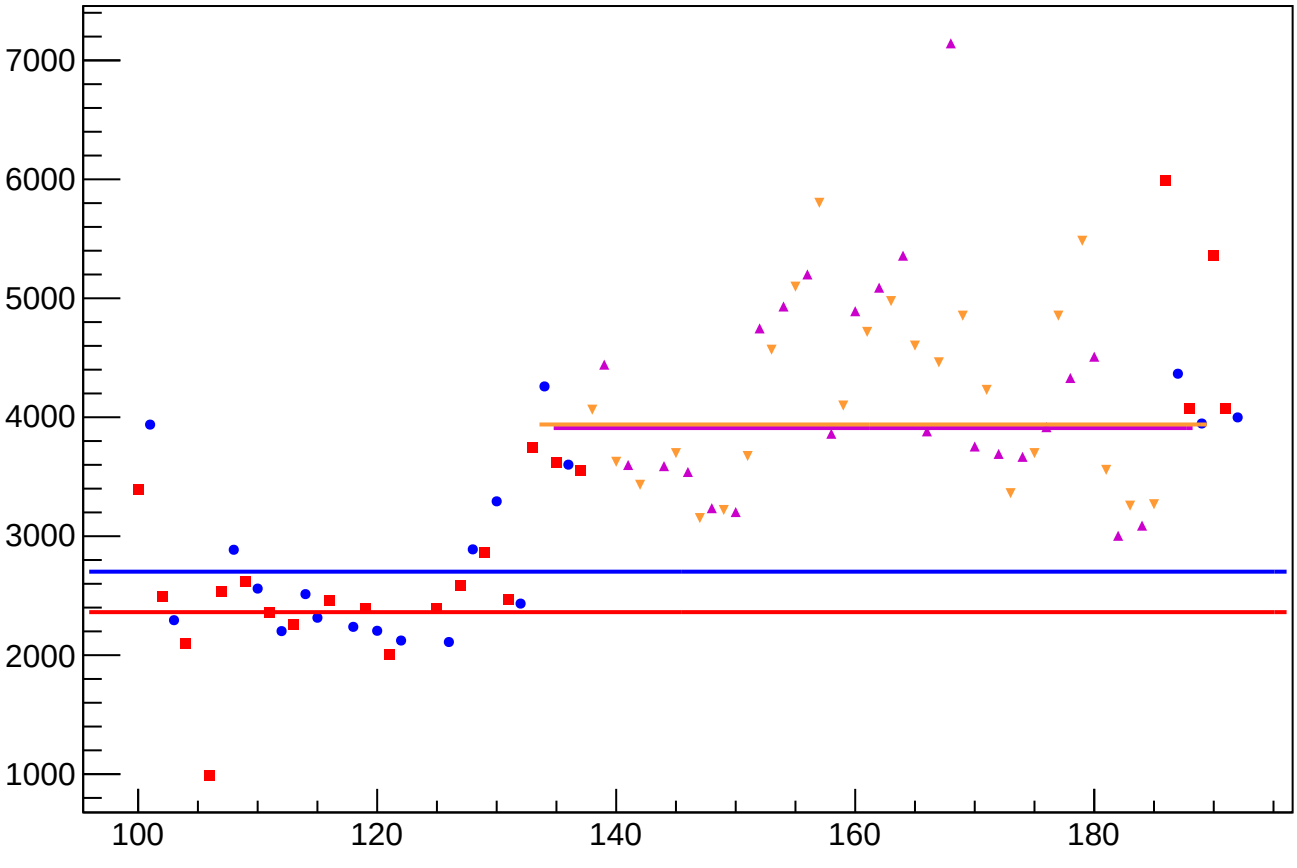
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 781.521+/-623.127 χ^2/NDF: 48.5/40

In: 158.669+/-660.492 χ^2/NDF:30.2/41

Out: 854.952+/-622.744 χ^2/NDF:62.1/45

All: 527.275+/-453.104 χ^2/NDF: 92.9/87



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: 2361.762+/-0.591 χ^2/NDF: 2259844.3/21

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

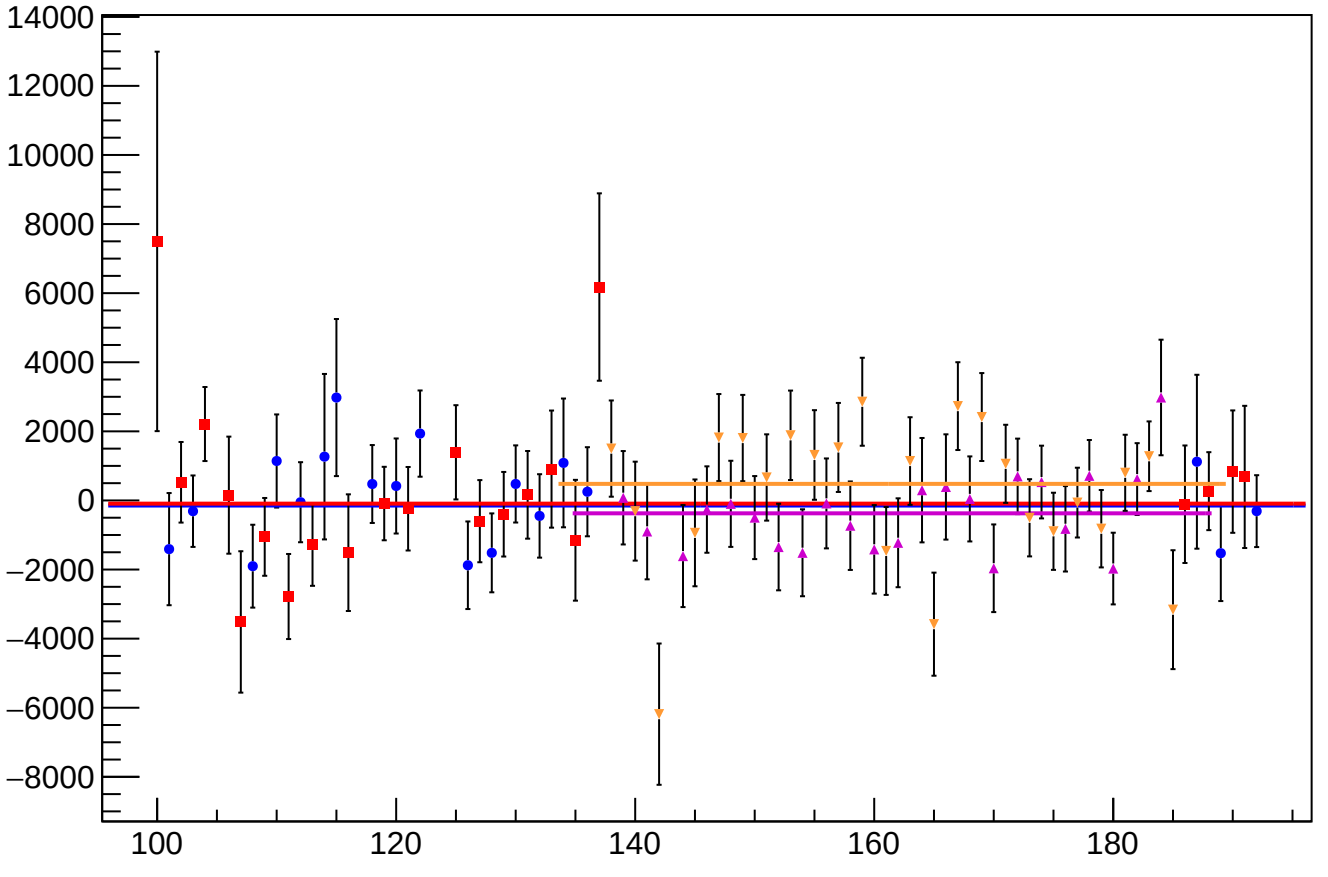
Right: 2512.689+/-0.441 χ^2/NDF: 3468250.7/40

In: 3307.395+/-0.467 χ^2/NDF:4032289.8/41

Out: 3062.717+/-0.440 χ^2/NDF:6521162.6/45

All: 3177.865+/-0.320 χ^2/NDF: 10698751.1/8

cor_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



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: -92.675+/-296.948 χ^2/NDF: 24.9/21

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

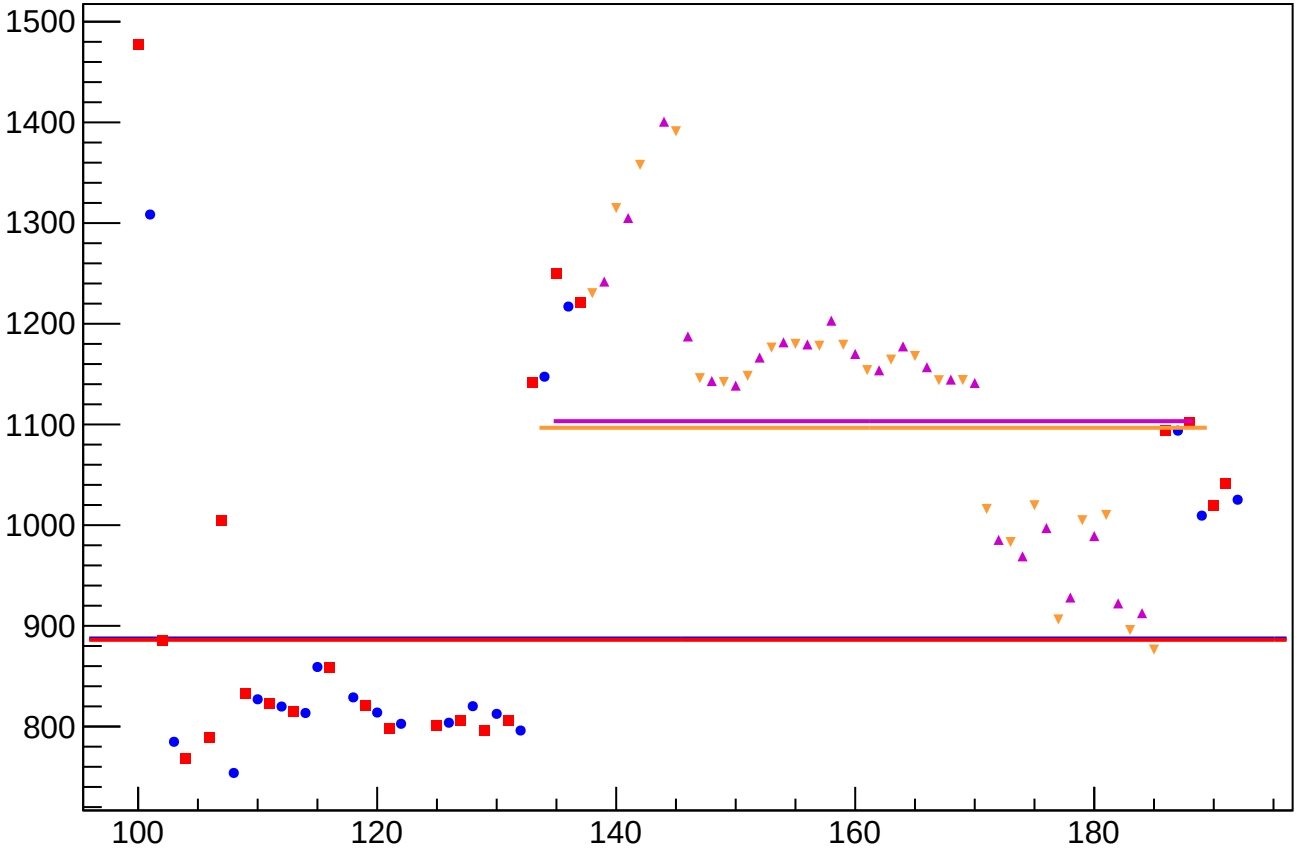
Right: -119.455+/-211.575 χ^2/NDF: 39.6/40

In: -276.888+/-196.609 χ^2/NDF:31.0/41

Out: 235.240+/-194.037 χ^2/NDF:72.2/45

All: -17.452+/-138.105 χ^2/NDF: 106.7/87

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: 886.130+/-0.209 χ^2/NDF: 422012.5/21

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

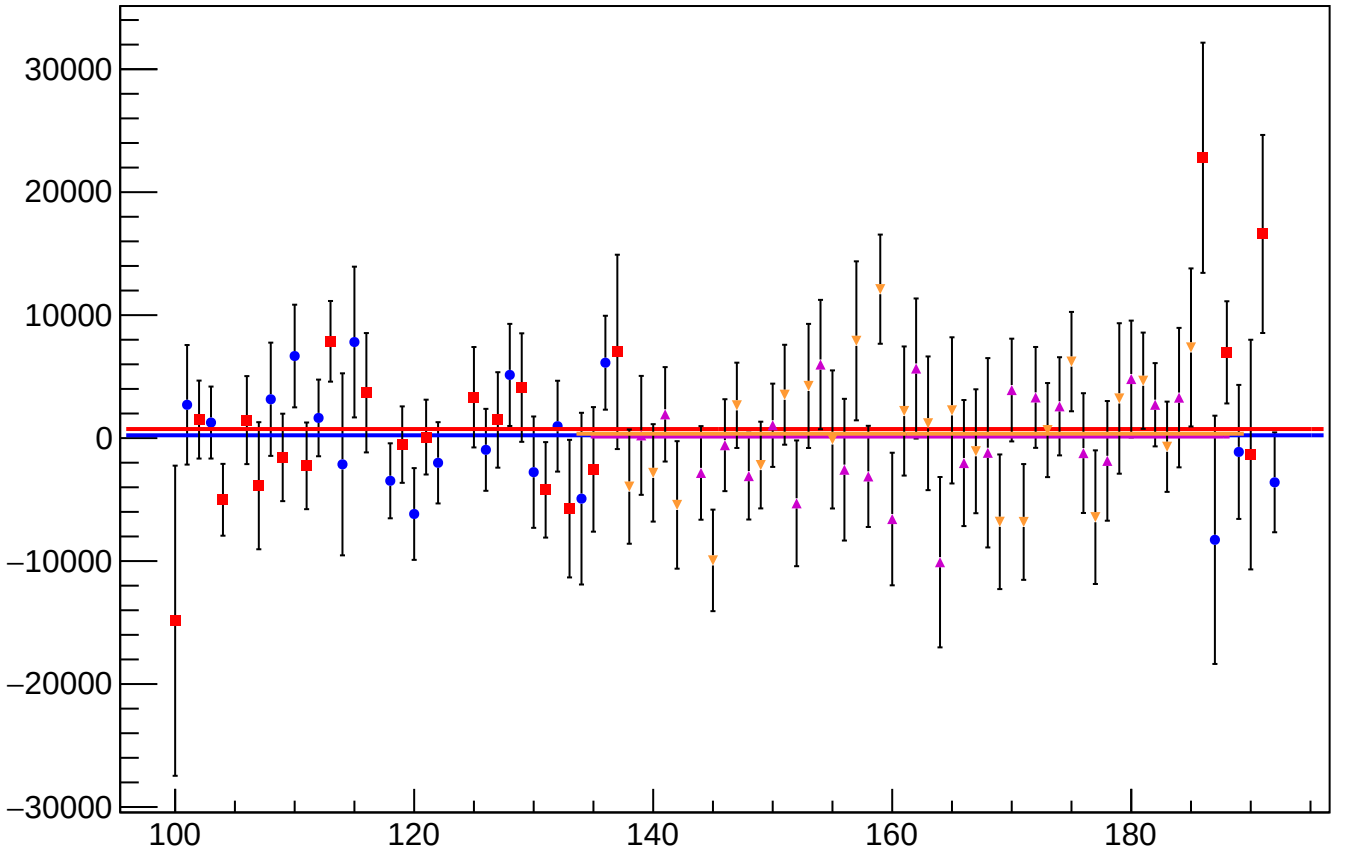
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 886.771+/-0.149 χ^2/NDF: 904198.3/40

In: 1011.515+/-0.139 χ^2/NDF:1518816.2/41

Out: 1006.343+/-0.137 χ^2/NDF:1481764.4/45

All: 1008.890+/-0.098 χ^2/NDF: 3001283.0/87



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: 737.514+/-886.564 χ^2/NDF: 29.5/21

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

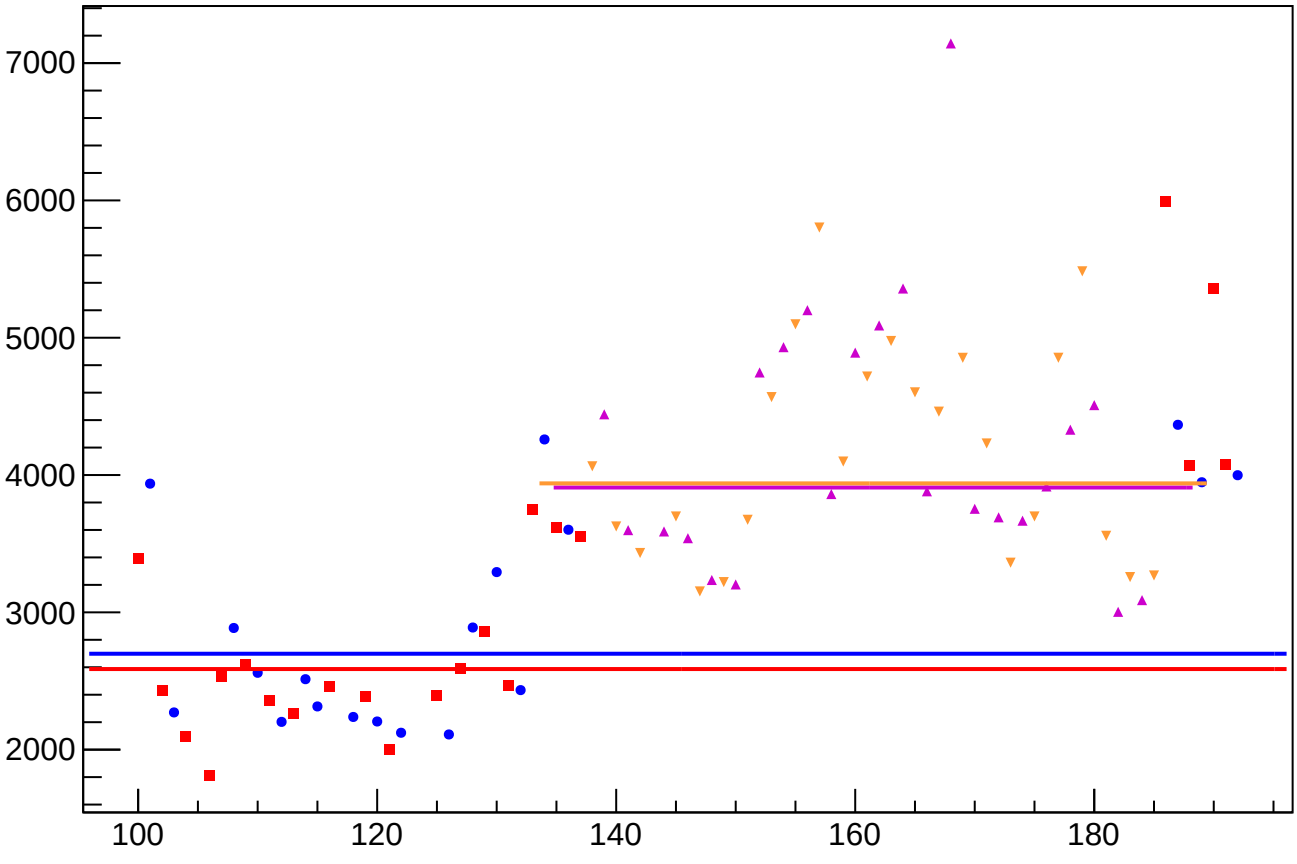
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 496.352+/-643.100 χ^2/NDF: 46.2/40

In: 177.497+/-660.054 χ^2/NDF:30.2/41

Out: 557.555+/-643.083 χ^2/NDF:59.9/45

All: 372.475+/-460.611 χ^2/NDF: 90.3/87



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: 2587.036+/-0.627 χ^2/NDF: 1252579.2/21

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

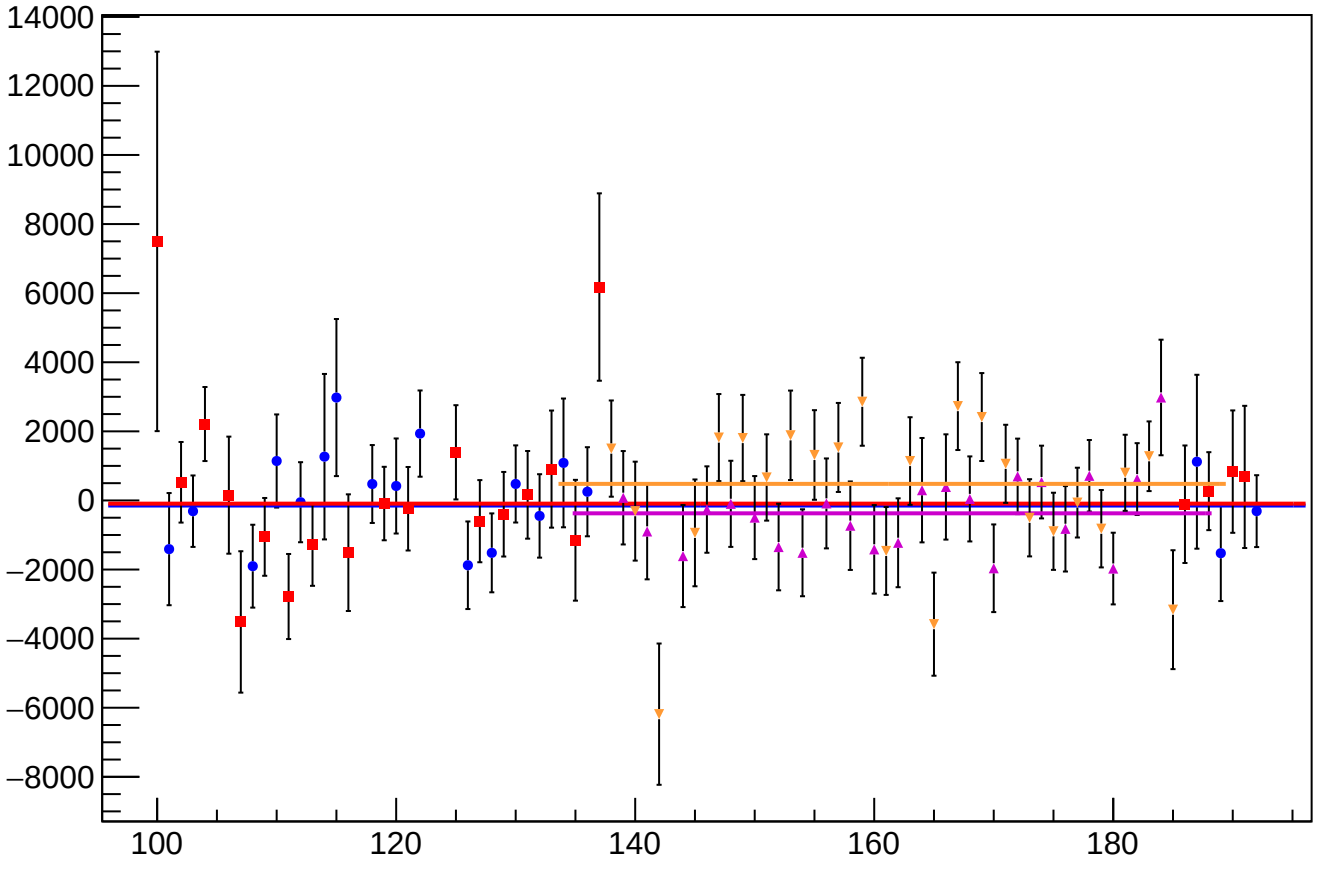
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2639.851+/-0.455 χ^2/NDF: 2334201.0/40

In: 3304.872+/-0.467 χ^2/NDF:4049431.0/41

Out: 3227.781+/-0.455 χ^2/NDF:4549922.1/45

All: 3265.323+/-0.326 χ^2/NDF: 8613349.3/87



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: -92.675+/-296.948 χ^2/NDF: 24.9/21

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

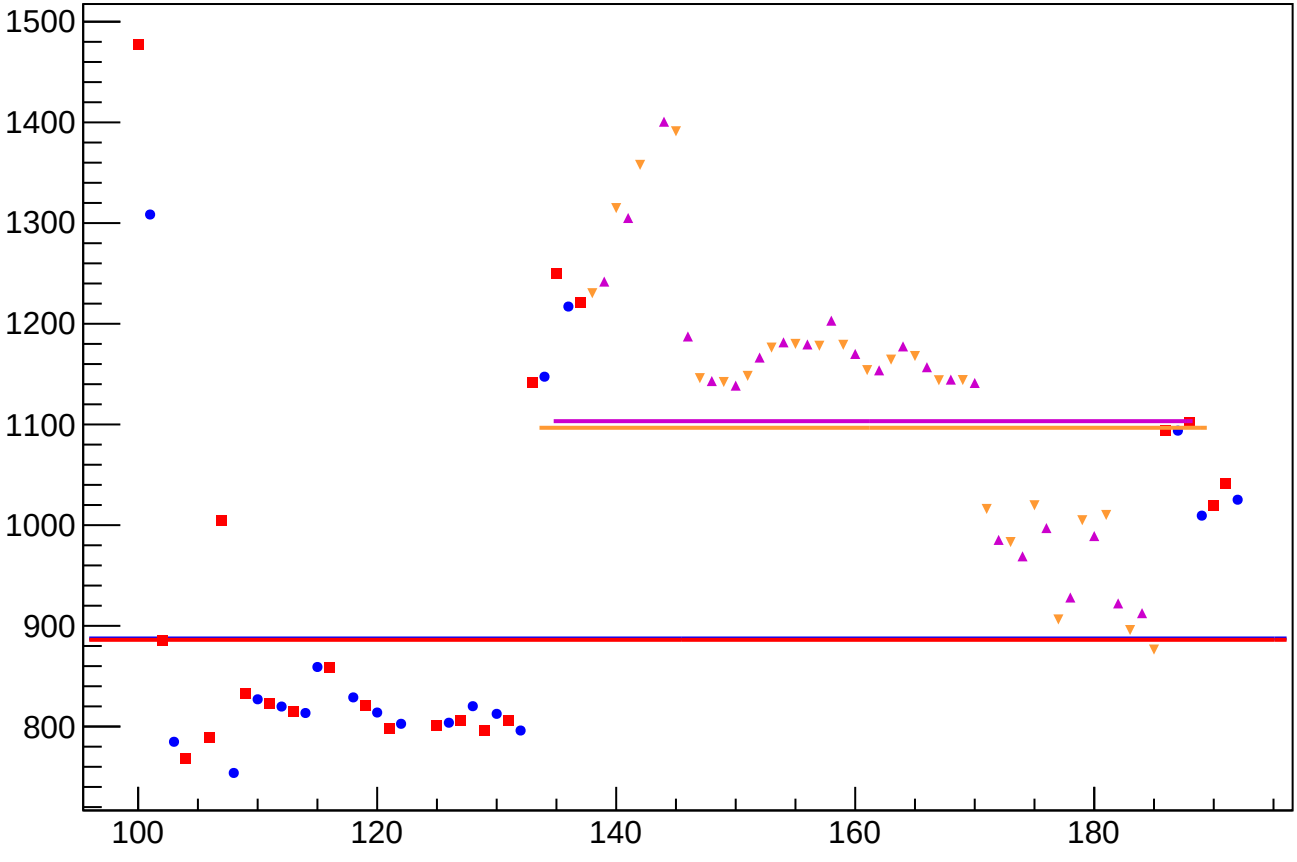
Right: -119.455+/-211.575 χ^2/NDF: 39.6/40

In: -276.888+/-196.609 χ^2/NDF:31.0/41

Out: 235.240+/-194.037 χ^2/NDF:72.2/45

All: -17.452+/-138.105 χ^2/NDF: 106.7/87

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: 886.130+/-0.209 χ^2/NDF: 422012.5/21

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

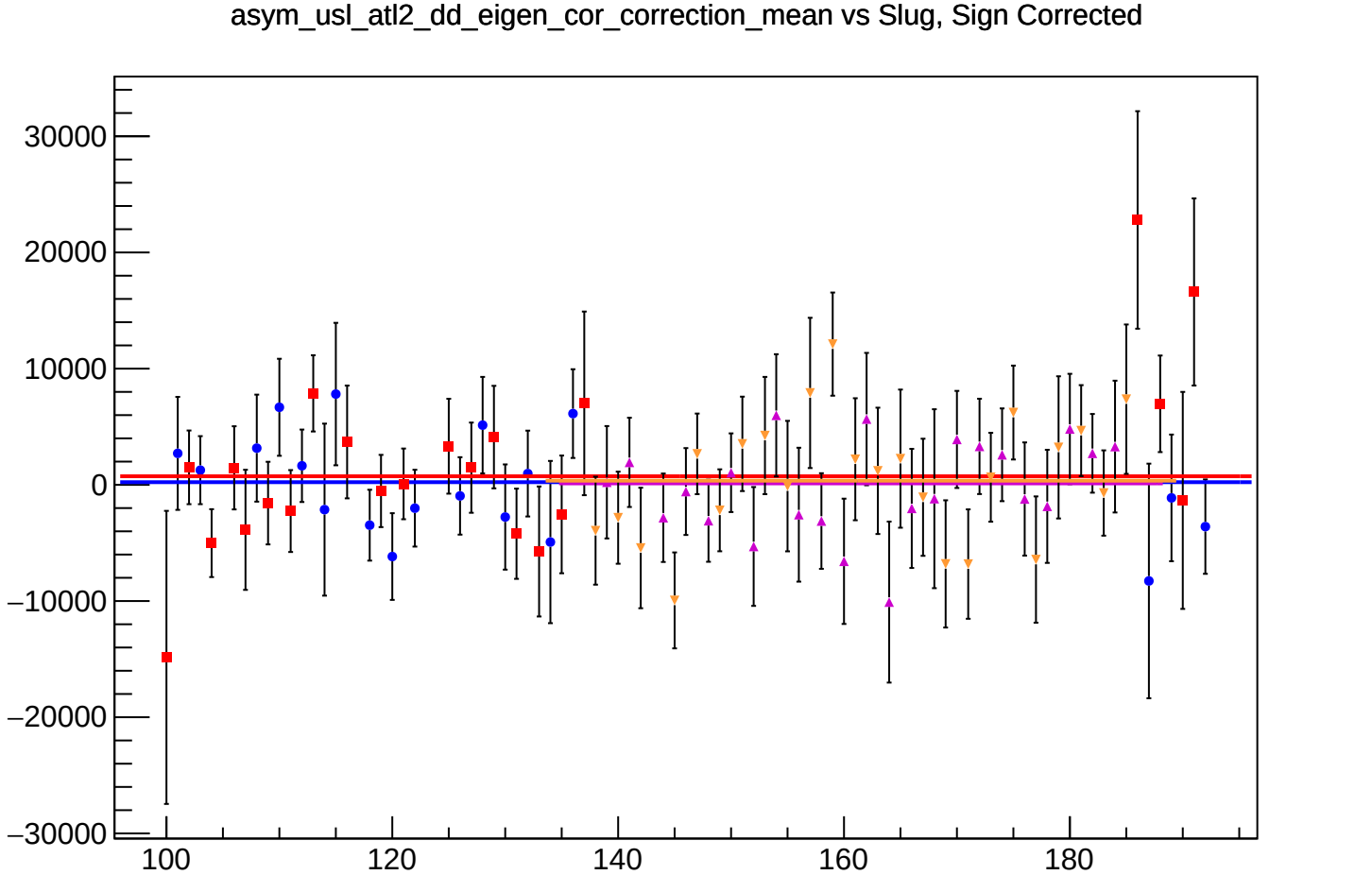
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

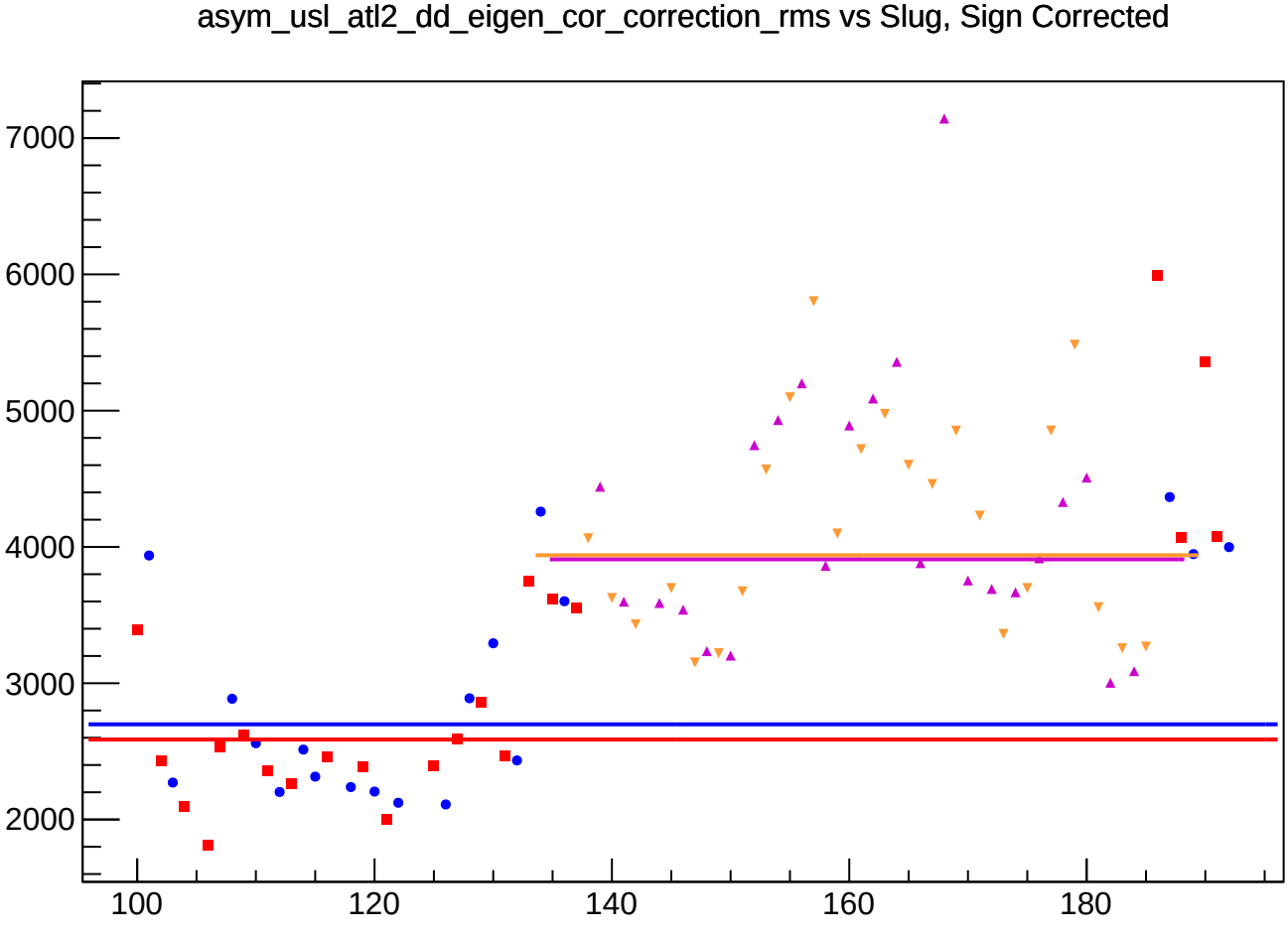
Right: 886.771+/-0.149 χ^2/NDF: 904198.3/40

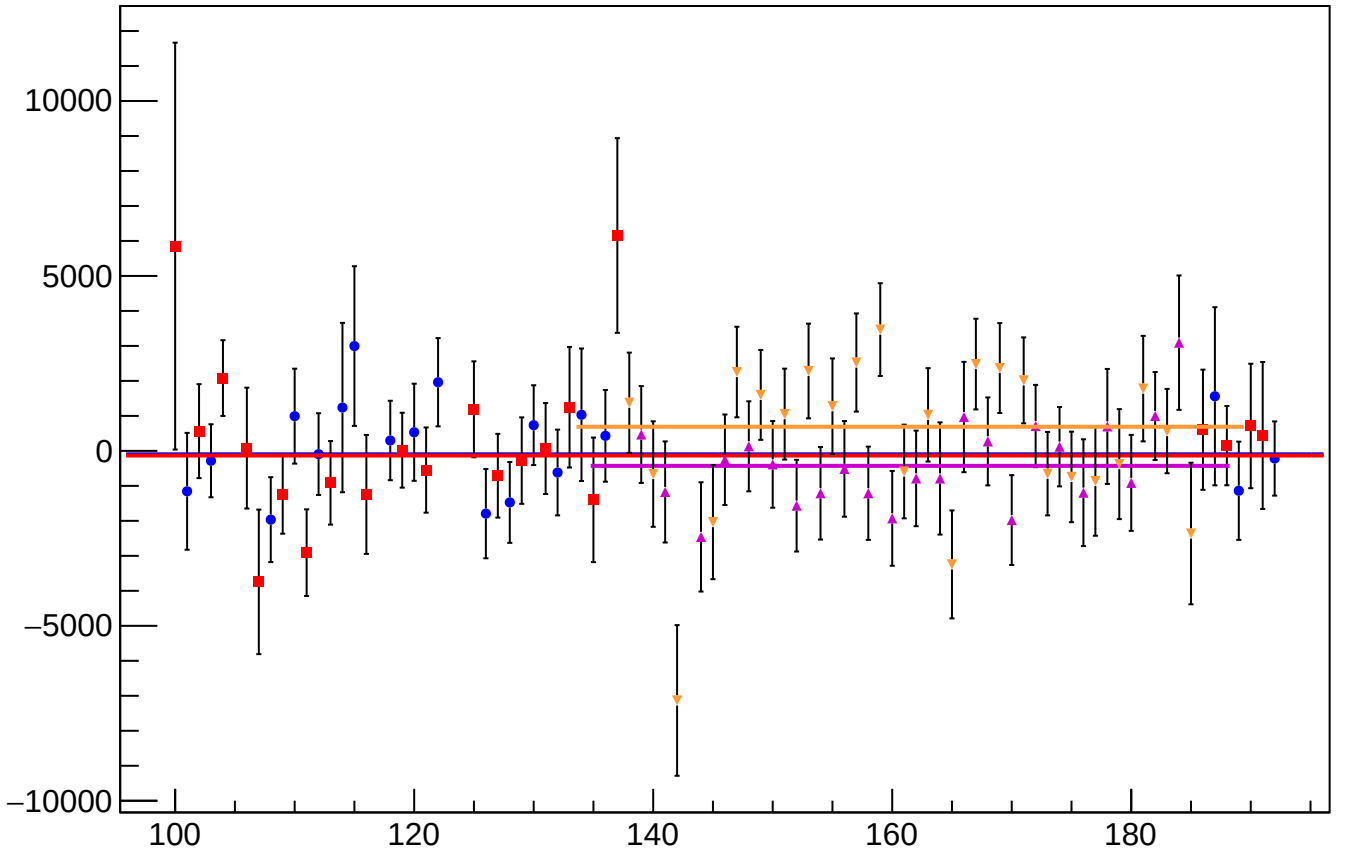
In: 1011.515+/-0.139 χ^2/NDF:1518816.2/41

Out: 1006.343+/-0.137 χ^2/NDF:1481764.4/45

All: 1008.890+/-0.098 χ^2/NDF: 3001283.0/87


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
Right In: 228.537+/-934.273 χ²/NDF: 16.5/18
Left Out: 357.728+/-934.221 χ²/NDF:30.3/23
Right Out: 737.514+/-886.564 χ²/NDF: 29.5/21
Left In: 126.635+/-932.644 χ²/NDF:13.8/22
Left: 241.986+/-660.036 χ²/NDF: 44.1/46
Right: 496.352+/-643.100 χ²/NDF: 46.2/40
In: 177.497+/-660.054 χ²/NDF:30.2/41
Out: 557.555+/-643.083 χ²/NDF:59.9/45
All: 372.475+/-460.611 χ²/NDF: 90.3/87


asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
Right In: 2698.504+/-0.661 χ²/NDF: 1066641.2/18
Left Out: 3939.266+/-0.661 χ²/NDF:1092657.5/23
Right Out: 2587.036+/-0.627 χ²/NDF: 1252579.2/21
Left In: 3909.128+/-0.659 χ²/NDF:1300782.7/22
Left: 3924.171+/-0.467 χ²/NDF: 2394482.7/46
Right: 2639.851+/-0.455 χ²/NDF: 2334201.0/40
In: 3304.872+/-0.467 χ²/NDF:4049431.0/41
Out: 3227.781+/-0.455 χ²/NDF:4549922.1/45
All: 3265.323+/-0.326 χ²/NDF: 8613349.3/87



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: -132.718+/-302.179 χ^2/NDF: 23.5/21

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

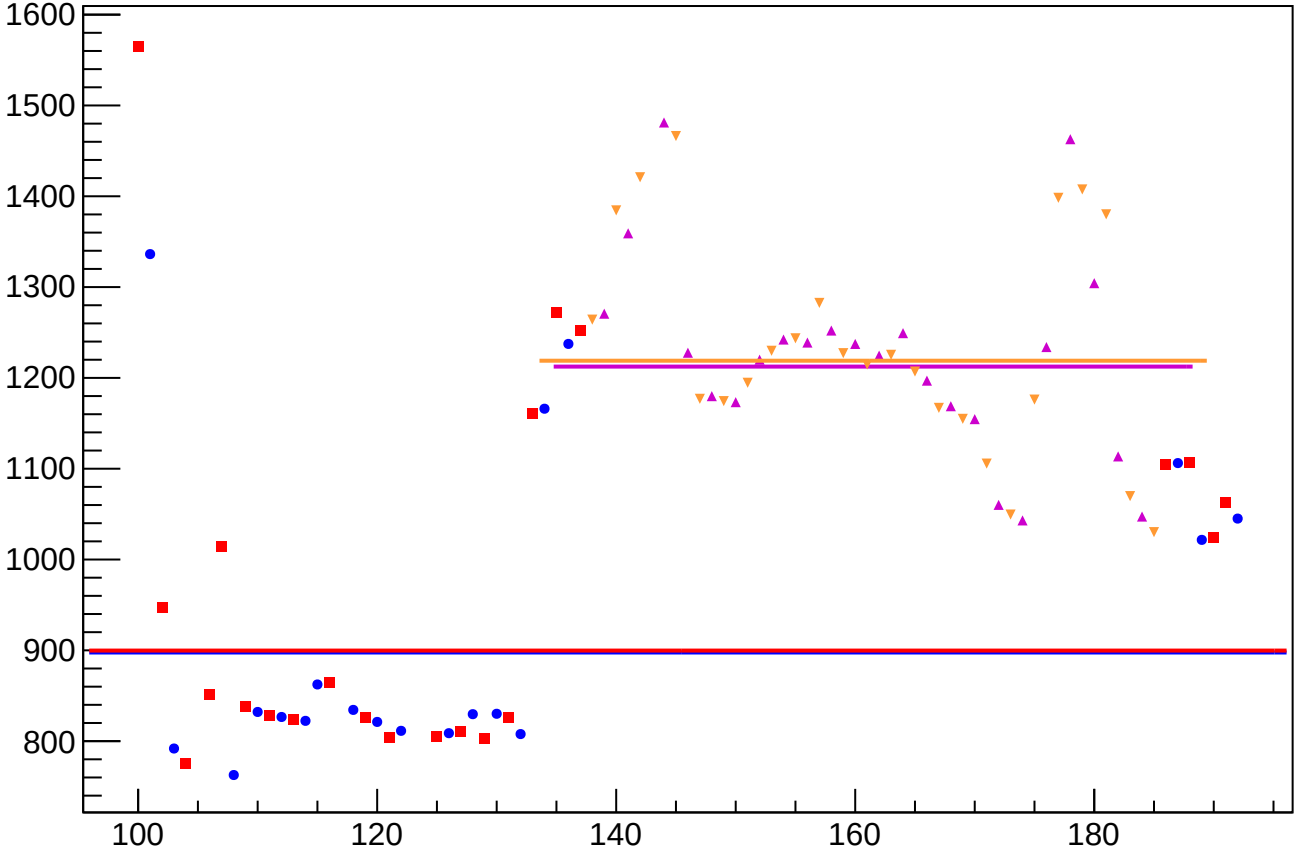
Right: -115.789+/-214.766 χ^2/NDF: 37.5/40

In: -274.952+/-208.089 χ^2/NDF:29.2/41

Out: 303.088+/-207.097 χ^2/NDF:73.2/45

All: 15.450+/-146.789 χ^2/NDF: 106.3/87

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: 899.742+/-0.213 χ^2/NDF: 427722.6/21

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

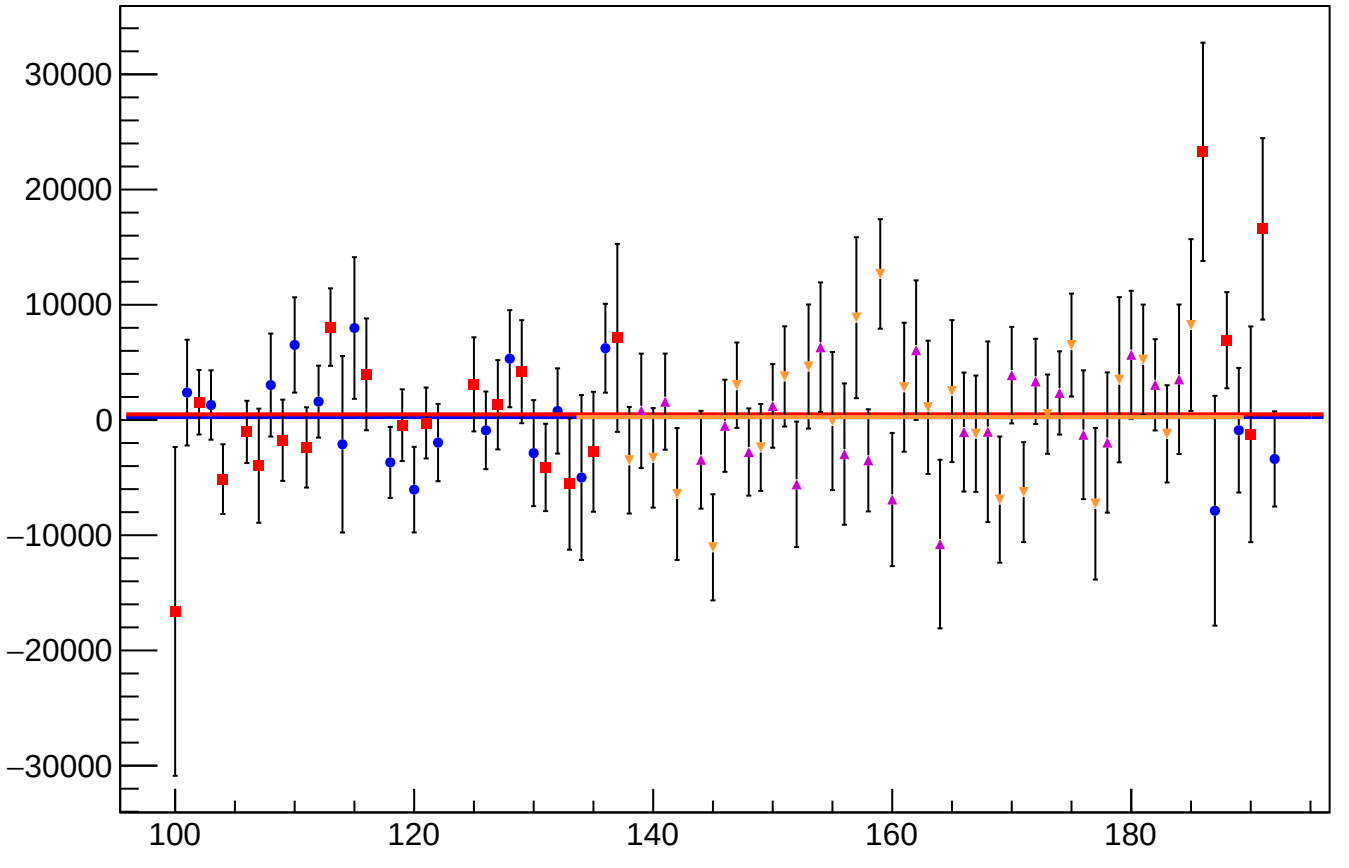
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 898.696+/-0.152 χ^2/NDF: 923747.6/40

In: 1066.187+/-0.147 χ^2/NDF:1895002.7/41

Out: 1068.874+/-0.146 χ^2/NDF:1905996.9/45

All: 1067.537+/-0.104 χ^2/NDF: 3801167.2/87



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: 492.119+/-861.624 χ^2/NDF: 30.1/21

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

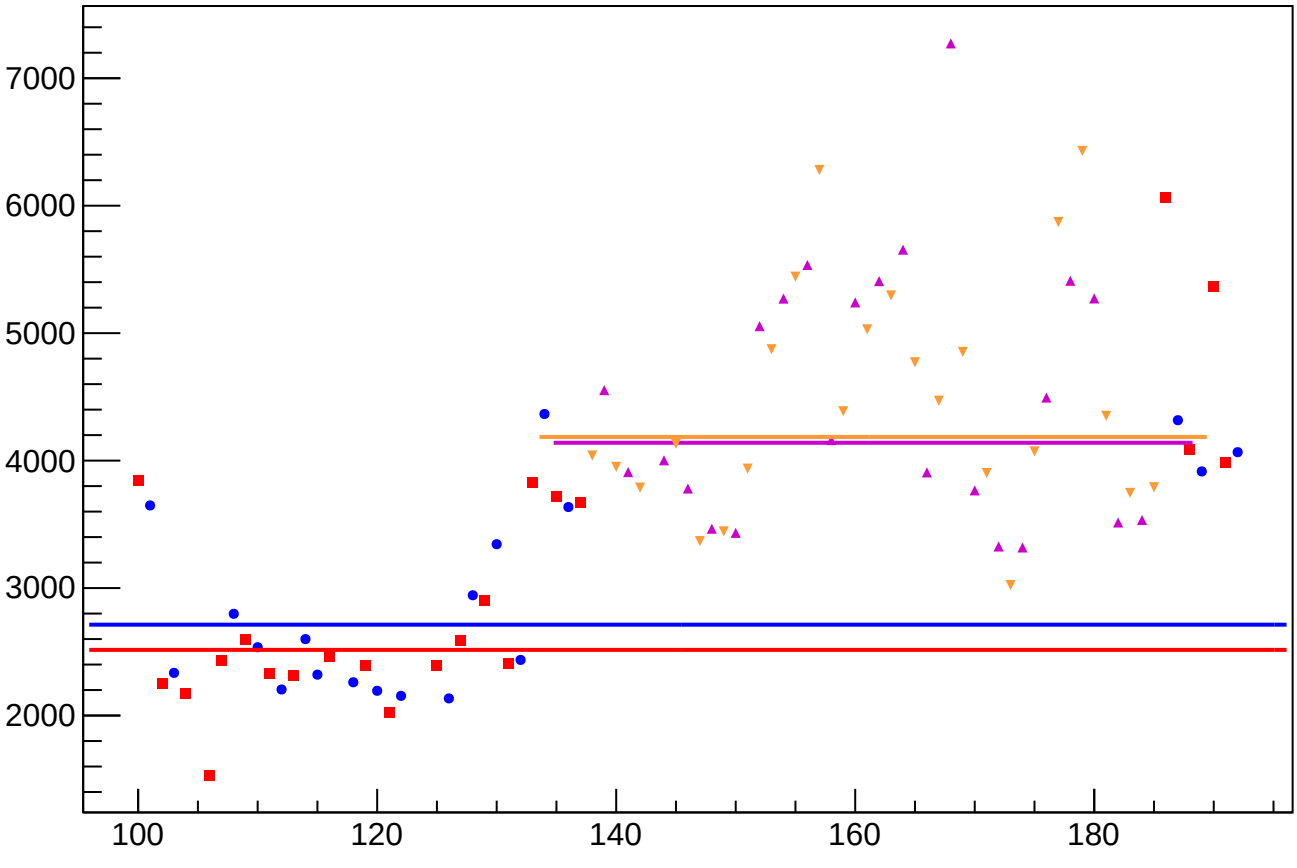
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: 382.297+/-634.905 χ^2/NDF: 46.5/40

In: 258.647+/-681.378 χ^2/NDF:29.7/41

Out: 389.582+/-651.391 χ^2/NDF:59.8/45

All: 327.059+/-470.847 χ^2/NDF: 89.6/87



Right In: 2712.813+/-0.664 χ^2/NDF: 1018544.0/18

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2515.193+/-0.609 χ^2/NDF: 1486812.8/21

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

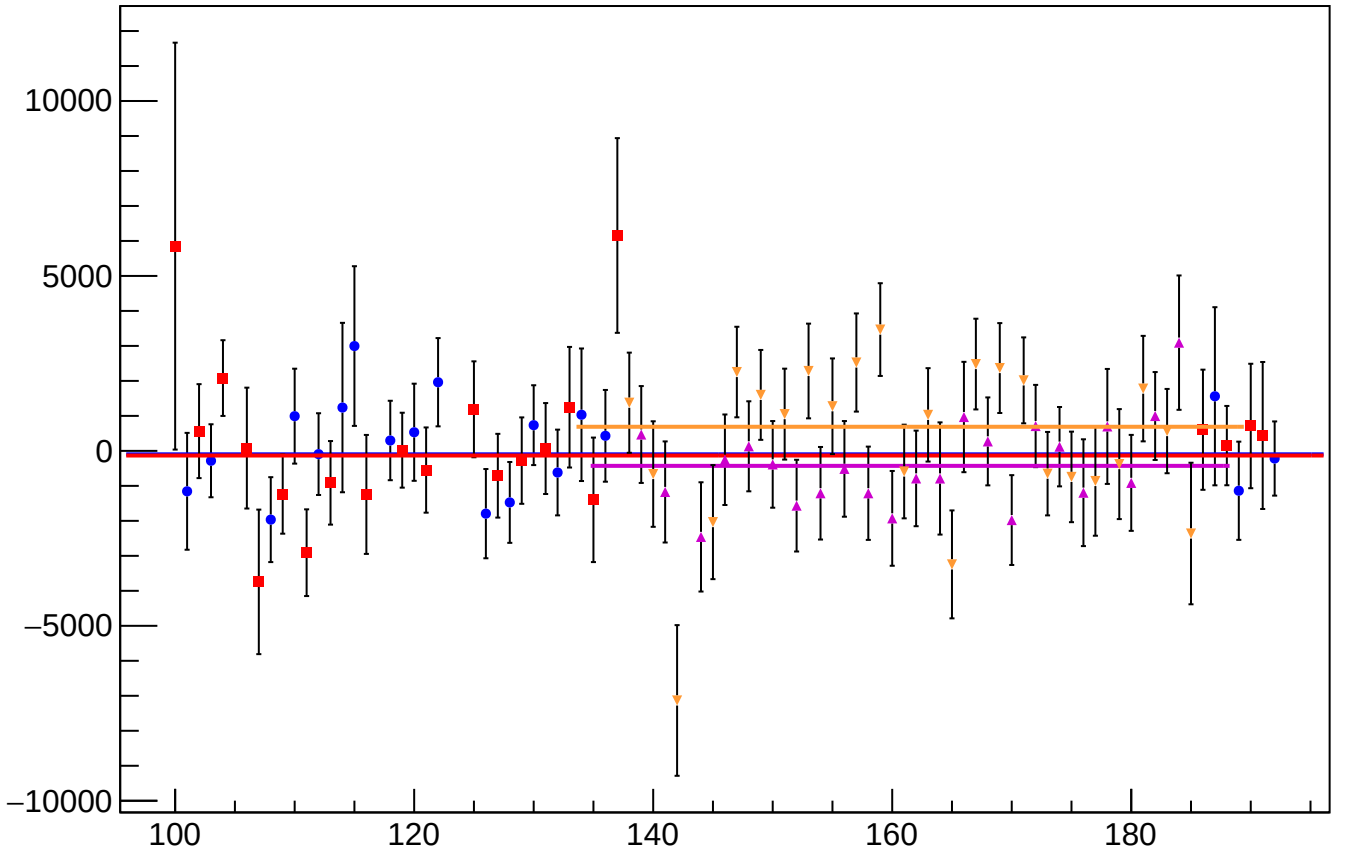
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 2605.510+/-0.449 χ^2/NDF: 2553440.2/40

In: 3388.786+/-0.482 χ^2/NDF:4656112.5/41

Out: 3230.915+/-0.461 χ^2/NDF:5978947.5/45

All: 3306.300+/-0.333 χ^2/NDF: 10691156.0/8



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: -132.721+/-302.179 χ^2/NDF: 23.5/21

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

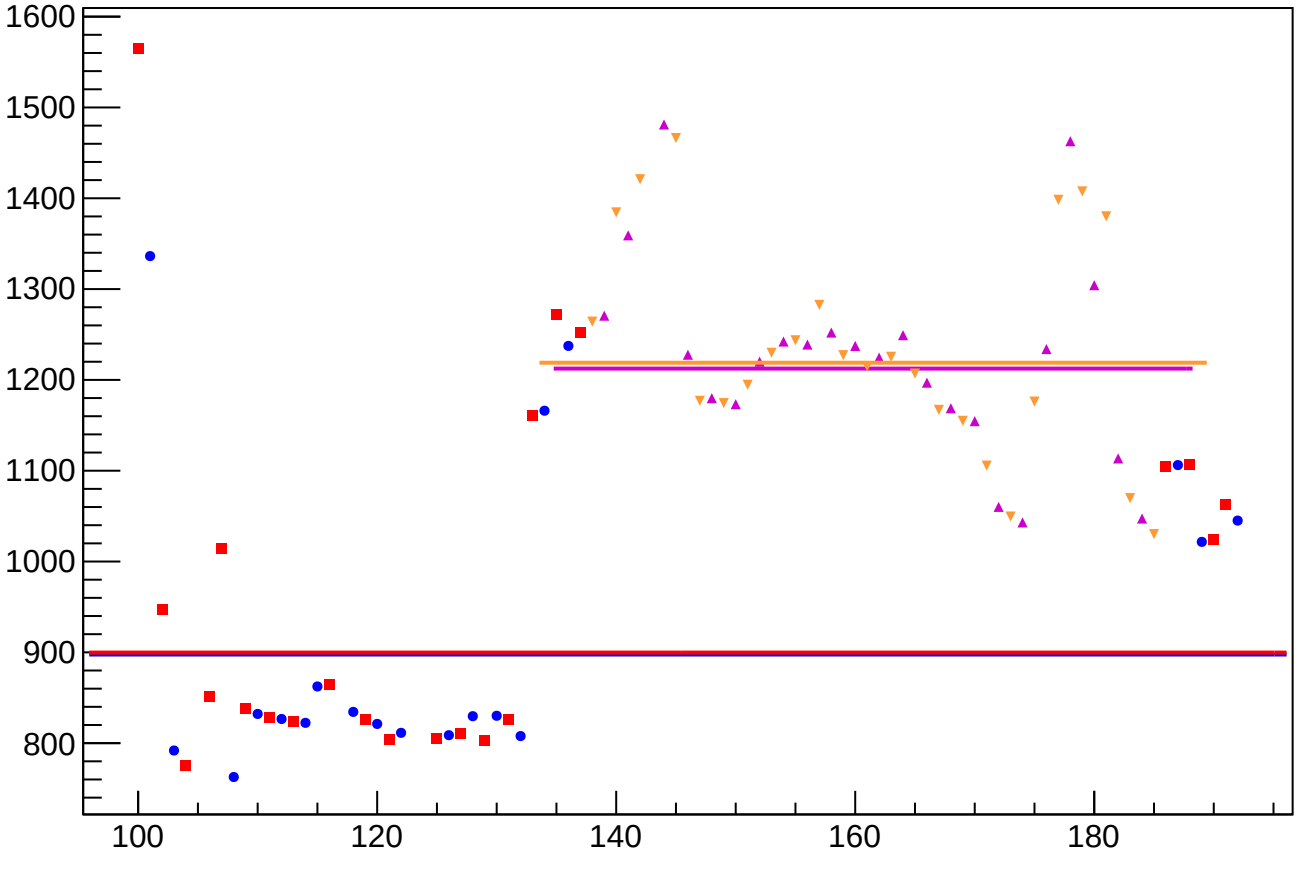
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -115.792+/-214.766 χ^2/NDF: 37.5/40

In: -274.952+/-208.089 χ^2/NDF:29.2/41

Out: 303.087+/-207.097 χ^2/NDF:73.2/45

All: 15.449+/-146.789 χ^2/NDF: 106.3/87



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: 899.742+/-0.213 χ^2/NDF: 427722.0/21

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

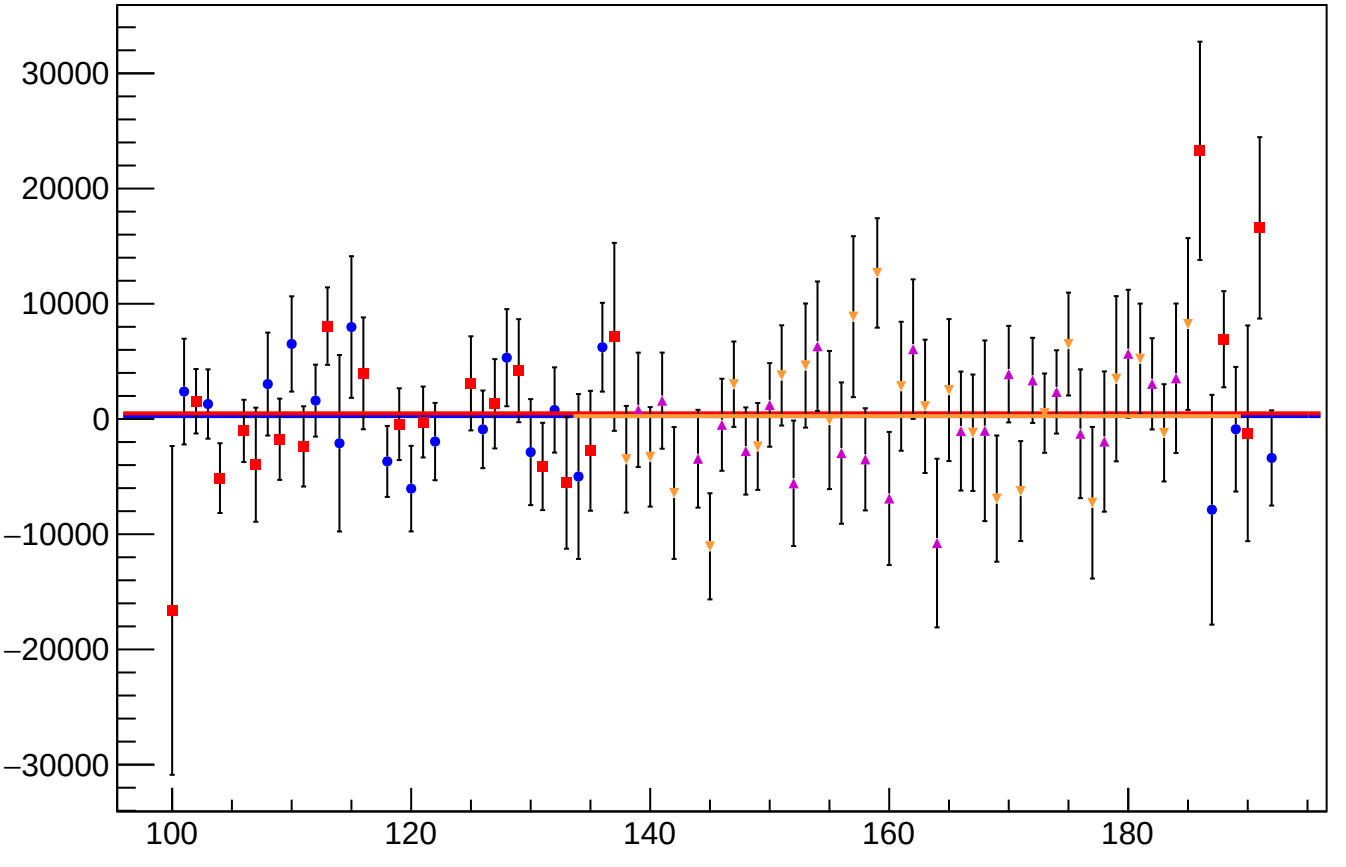
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 898.696+/-0.152 χ^2/NDF: 923746.5/40

In: 1066.187+/-0.147 χ^2/NDF:1895018.7/41

Out: 1068.875+/-0.146 χ^2/NDF:1906014.2/45

All: 1067.538+/-0.104 χ^2/NDF: 3801200.5/87



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: 492.114+/-861.622 χ^2/NDF: 30.1/21

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

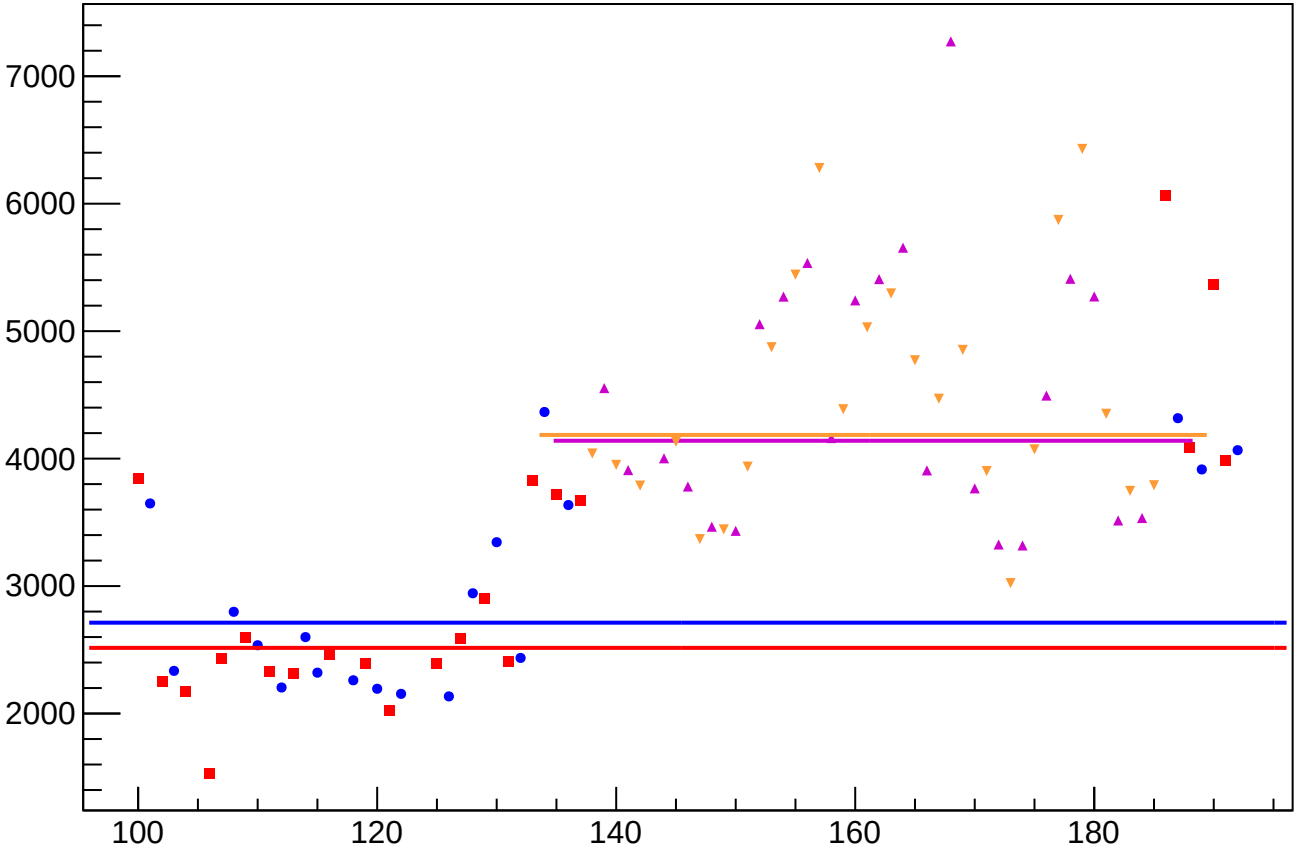
Right: 382.293+/-634.903 χ^2/NDF: 46.5/40

In: 258.646+/-681.377 χ^2/NDF:29.7/41

Out: 389.581+/-651.391 χ^2/NDF:59.8/45

All: 327.058+/-470.847 χ^2/NDF: 89.6/87

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: 2515.186+/-0.609 χ^2/NDF: 1486822.7/21

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

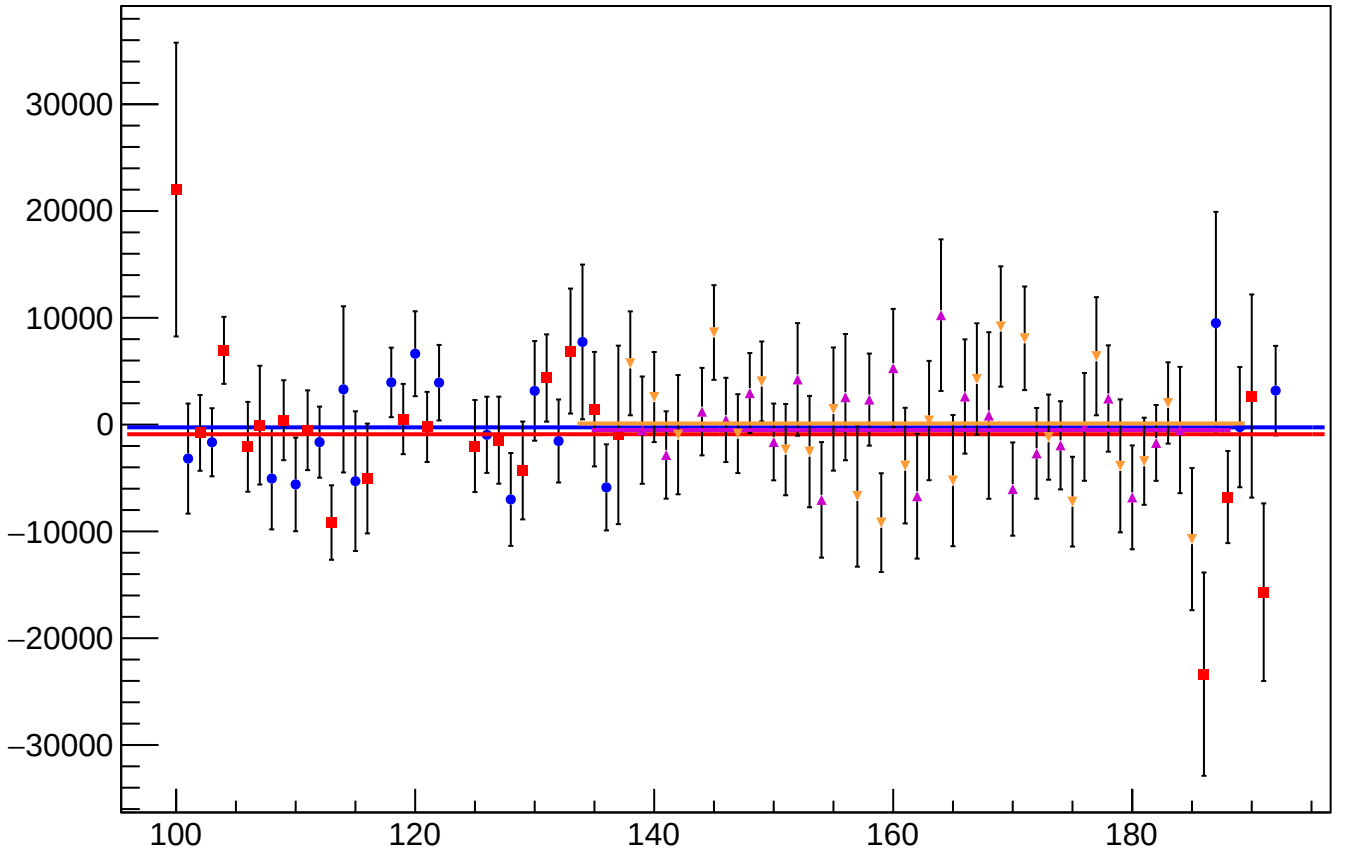
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 2605.503+/-0.449 χ^2/NDF: 2553464.7/40

In: 3388.782+/-0.482 χ^2/NDF:4656177.0/41

Out: 3230.911+/-0.461 χ^2/NDF:5979014.2/45

All: 3306.296+/-0.333 χ^2/NDF: 10691287.5/8



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: -900.529+/-947.453 χ^2/NDF: 30.8/21

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

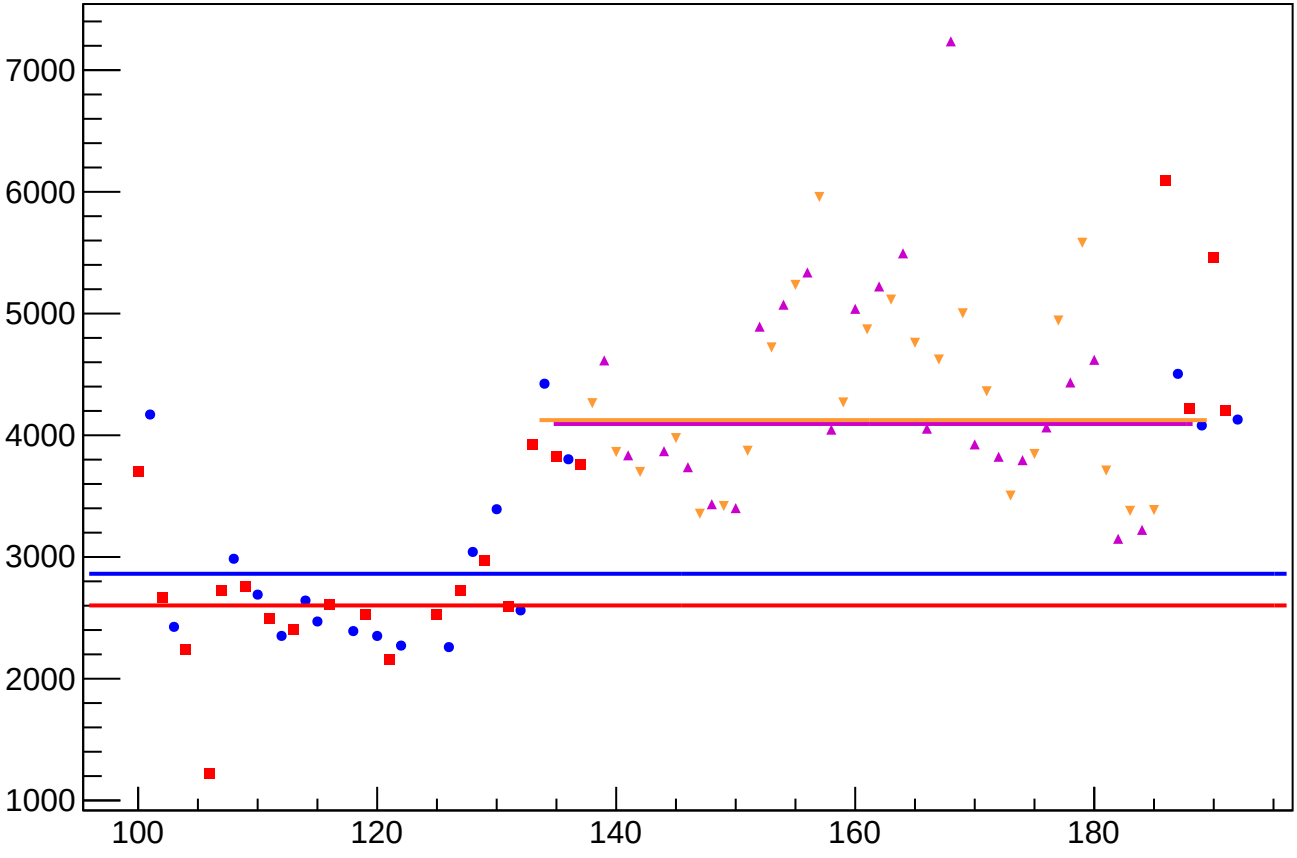
Right: -592.324+/-684.284 χ^2/NDF: 48.9/40

In: -384.594+/-694.149 χ^2/NDF:31.4/41

Out: -410.553+/-679.683 χ^2/NDF:59.4/45

All: -397.847+/-485.642 χ^2/NDF: 90.8/87

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: 2601.999+/-0.642 χ^2/NDF: 1756116.7/21

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

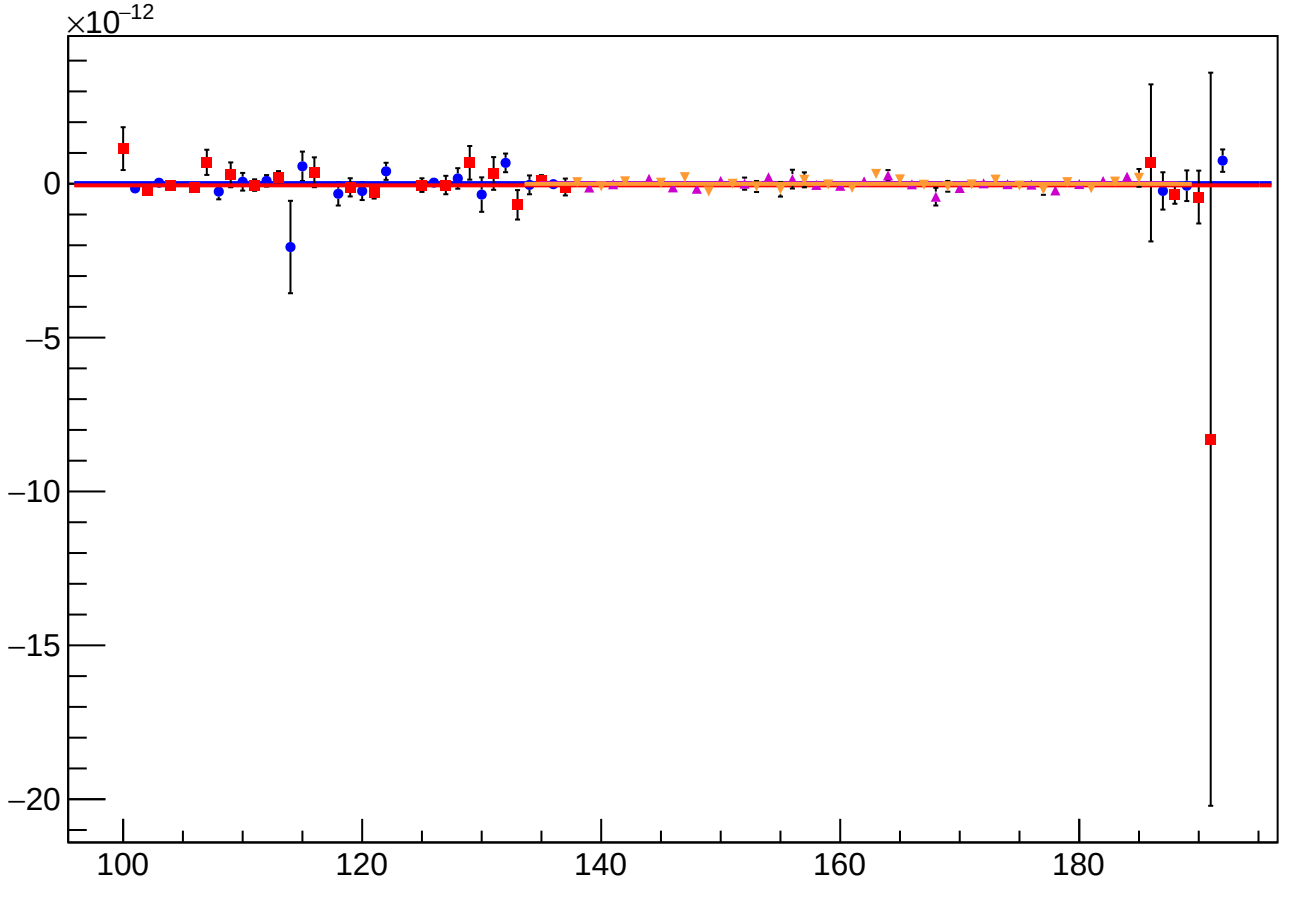
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 2720.882+/-0.473 χ^2/NDF: 2814497.0/40

In: 3487.149+/-0.491 χ^2/NDF:3717842.2/41

Out: 3308.194+/-0.470 χ^2/NDF:5337521.7/45

All: 3393.760+/-0.339 χ^2/NDF: 9124733.0/87



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: 19.0/21

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

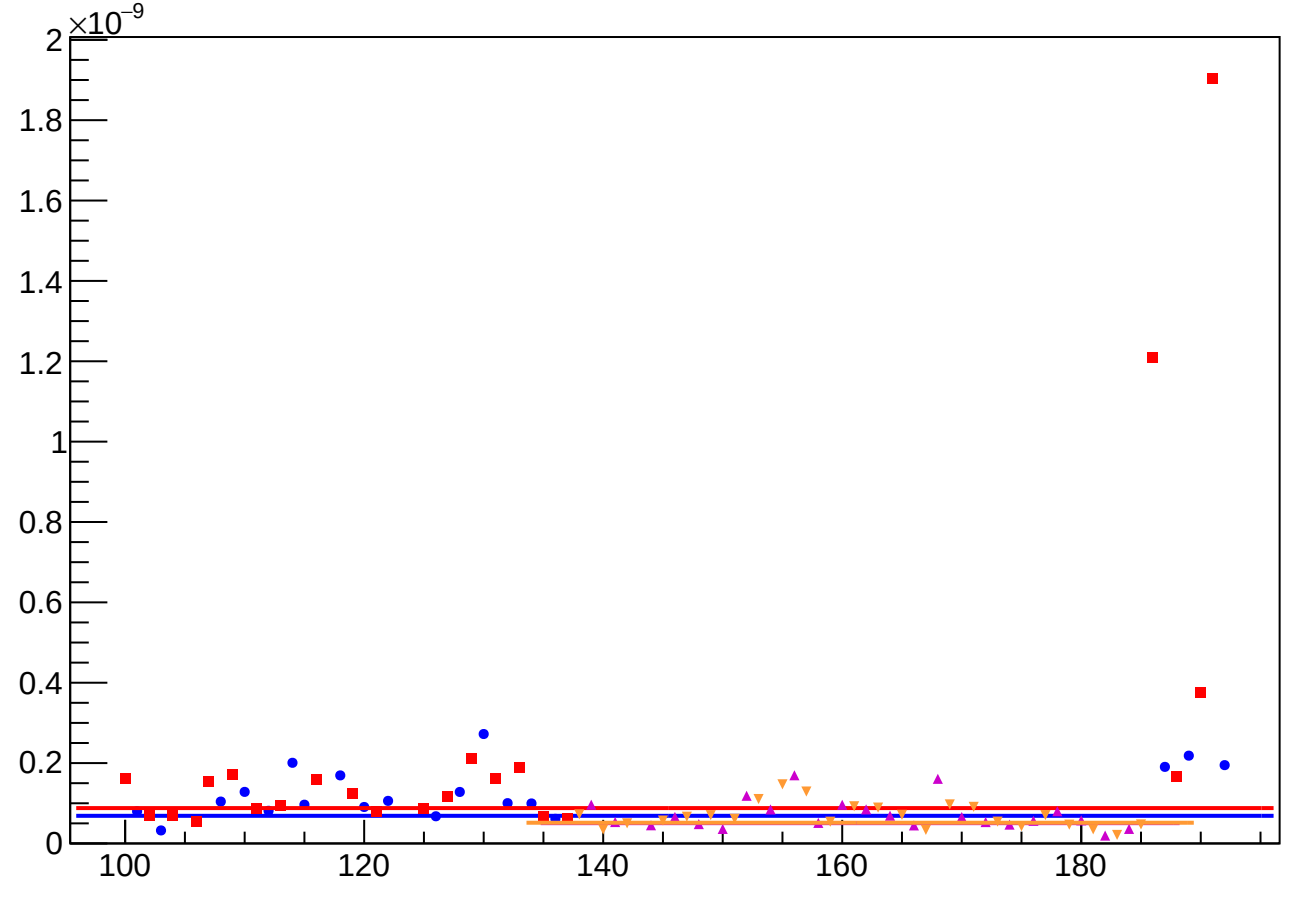
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 39.8/40

In: 0.000+/-0.000 χ^2/NDF:45.3/41

Out: -0.000+/-0.000 χ^2/NDF:43.9/45

All: 0.000+/-0.000 χ^2/NDF: 90.4/87



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: 1510879.1/21

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

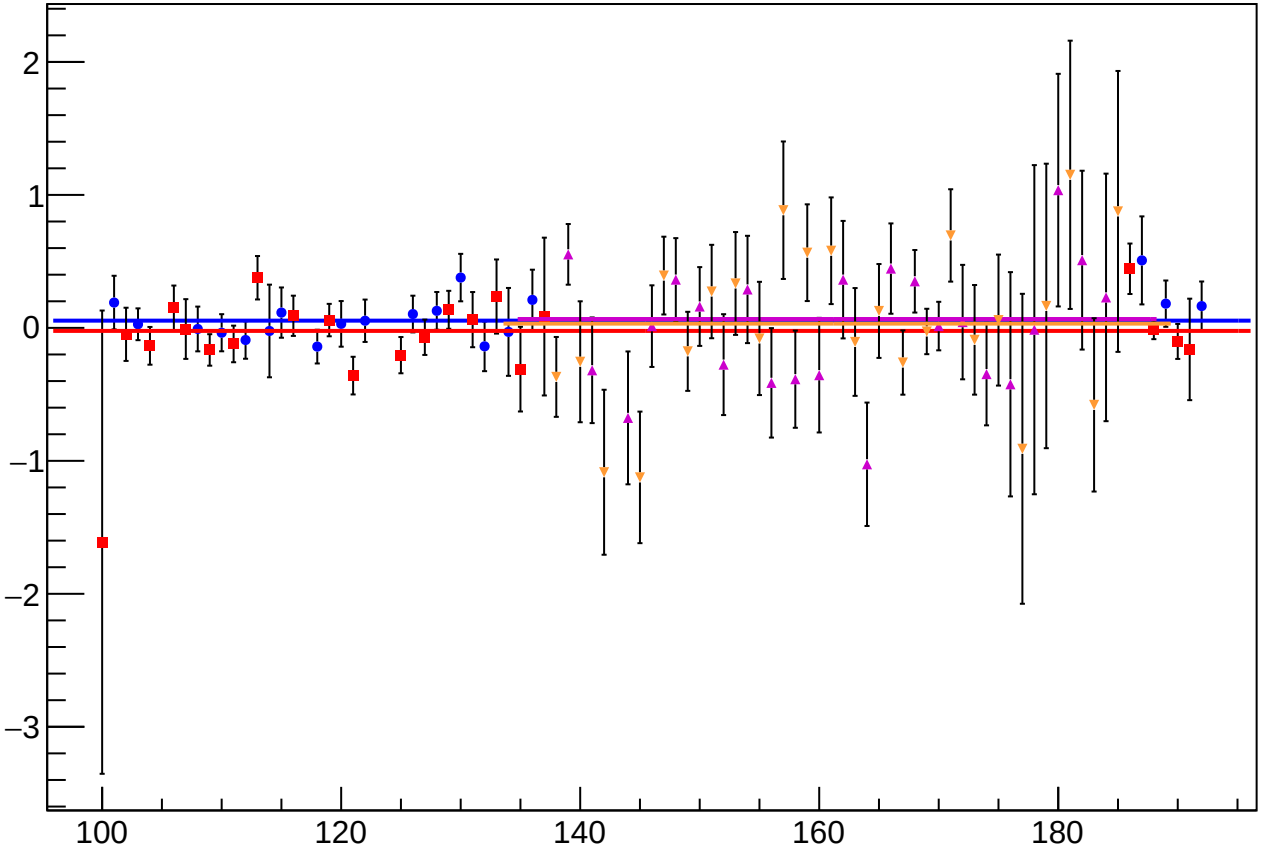
Right: 0.000+/-0.000 χ^2/NDF: 3408830.1/40

In: 0.000+/-0.000 χ^2/NDF:4452674.4/41

Out: 0.000+/-0.000 χ^2/NDF:4601714.9/45

All: 0.000+/-0.000 χ^2/NDF: 9075450.6/87

asym_usl_atl2_dd_dit_vs_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: -0.023+/-0.032 χ^2/NDF: 28.7/21

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

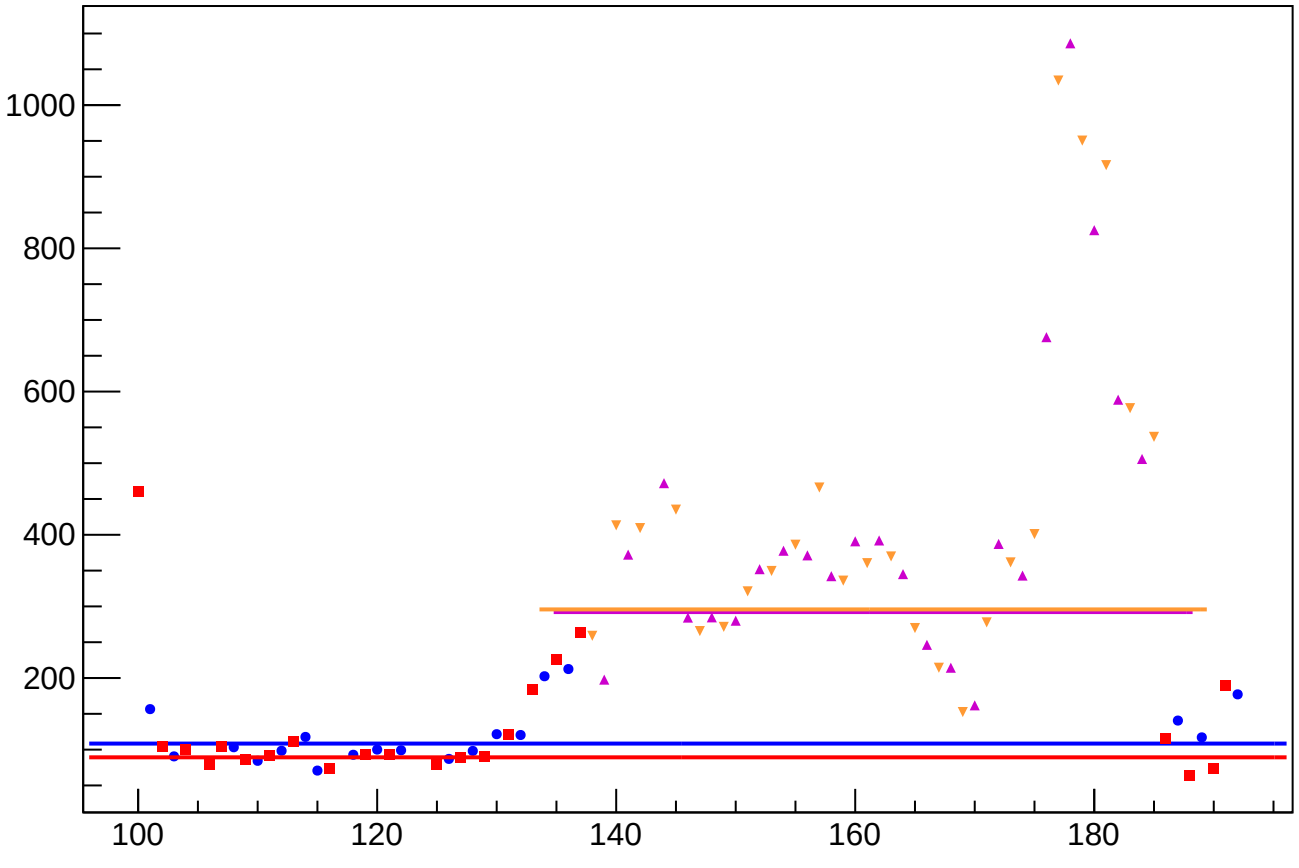
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.009+/-0.025 χ^2/NDF: 43.8/40

In: 0.057+/-0.034 χ^2/NDF:38.4/41

Out: -0.014+/-0.030 χ^2/NDF:58.9/45

All: 0.016+/-0.022 χ^2/NDF: 99.8/87



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: 89.254+/-0.023 χ^2/NDF: 1505213.4/21

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

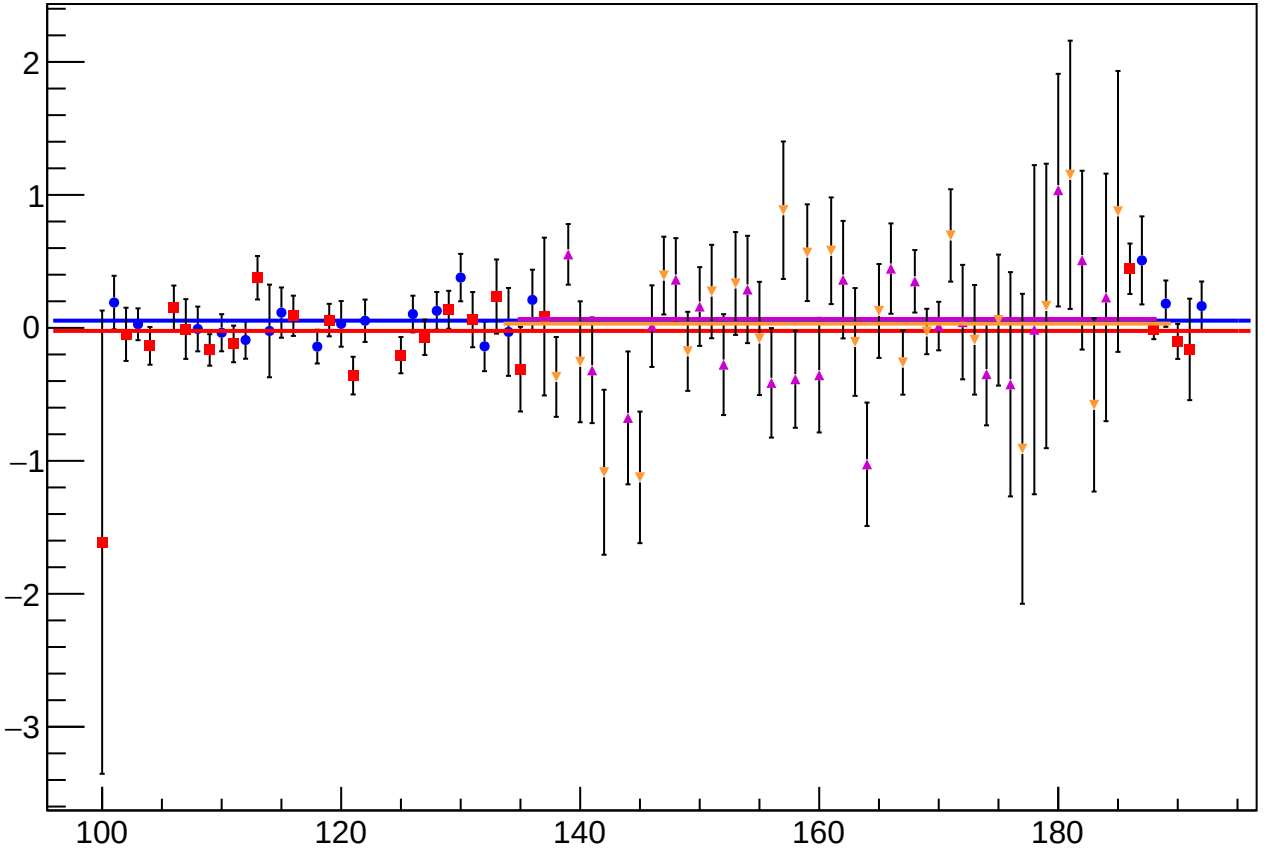
Right: 97.116+/-0.018 χ^2/NDF: 3107438.7/40

In: 147.409+/-0.024 χ^2/NDF:15886684.5/41

Out: 120.817+/-0.021 χ^2/NDF:19518919.6/45

All: 132.174+/-0.016 χ^2/NDF: 36089792.9/87

asym_usl_atl2_dd_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: -0.023+/-0.032 χ^2/NDF: 28.7/21

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

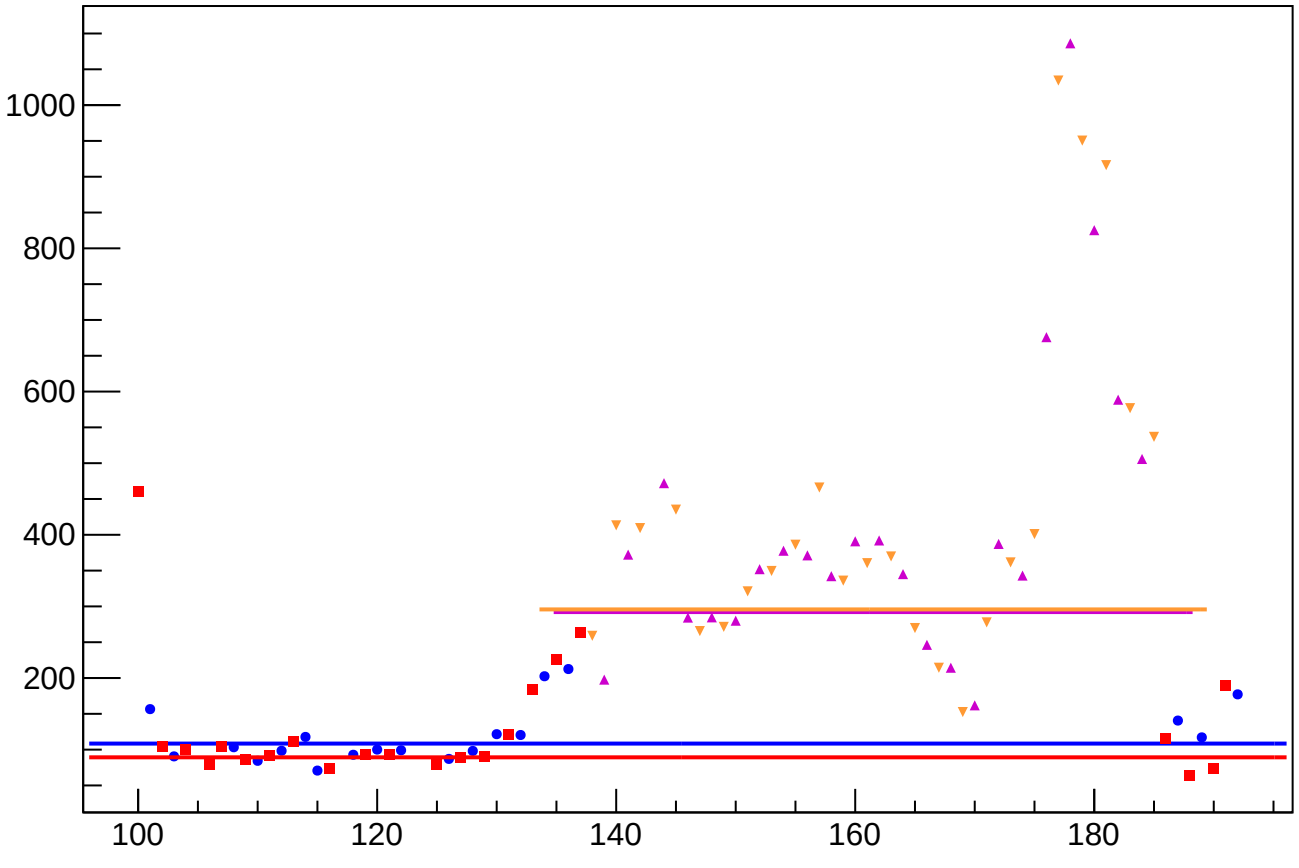
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.009+/-0.025 χ^2/NDF: 43.8/40

In: 0.057+/-0.034 χ^2/NDF:38.4/41

Out: -0.014+/-0.030 χ^2/NDF:58.9/45

All: 0.016+/-0.022 χ^2/NDF: 99.8/87



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: 89.254+/-0.023 χ^2/NDF: 1505213.4/21

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

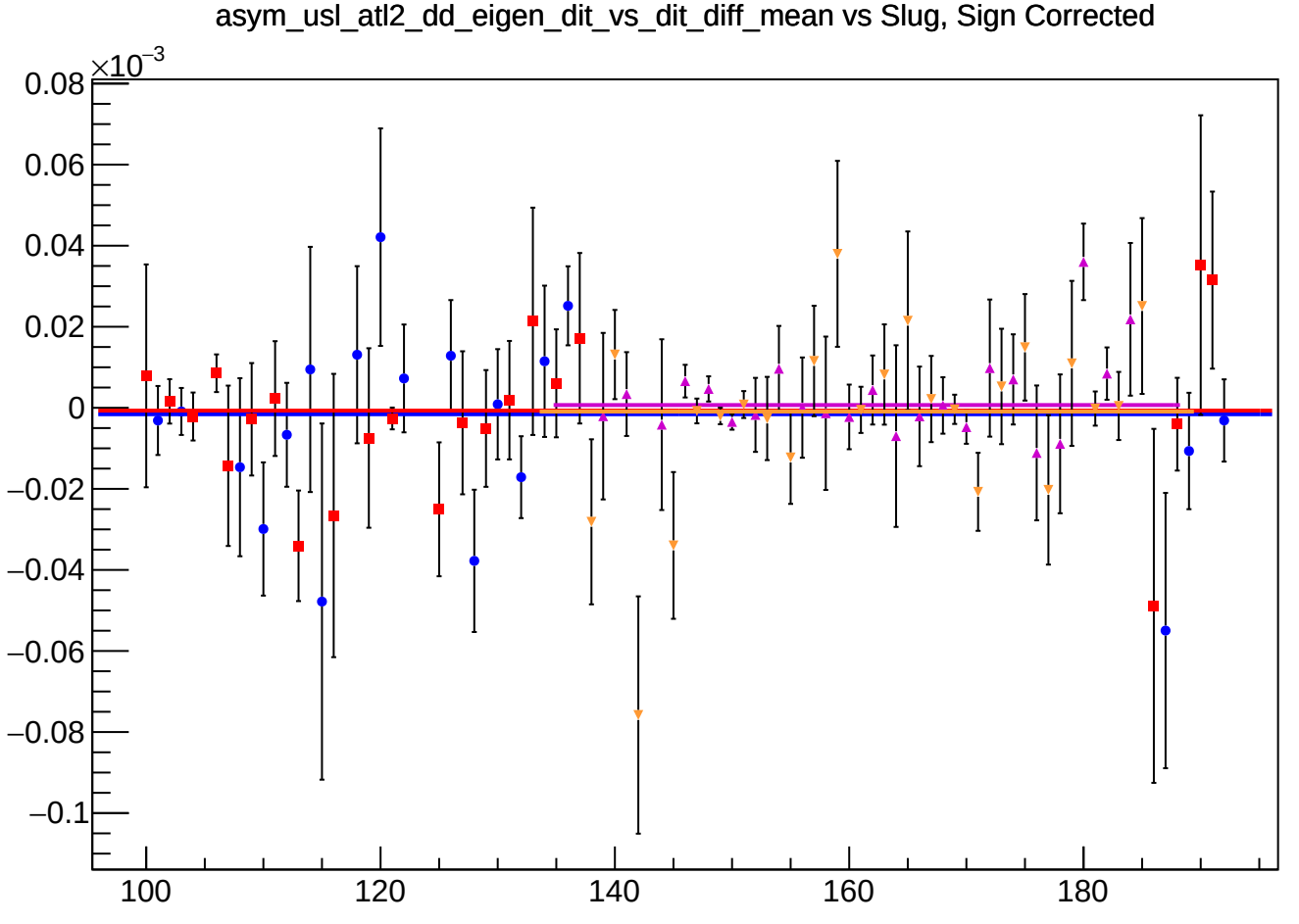
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 97.116+/-0.018 χ^2/NDF: 3107438.7/40

In: 147.409+/-0.024 χ^2/NDF:15886684.5/41

Out: 120.817+/-0.021 χ^2/NDF:19518919.6/45

All: 132.174+/-0.016 χ^2/NDF: 36089792.9/87



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: 20.3/21

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

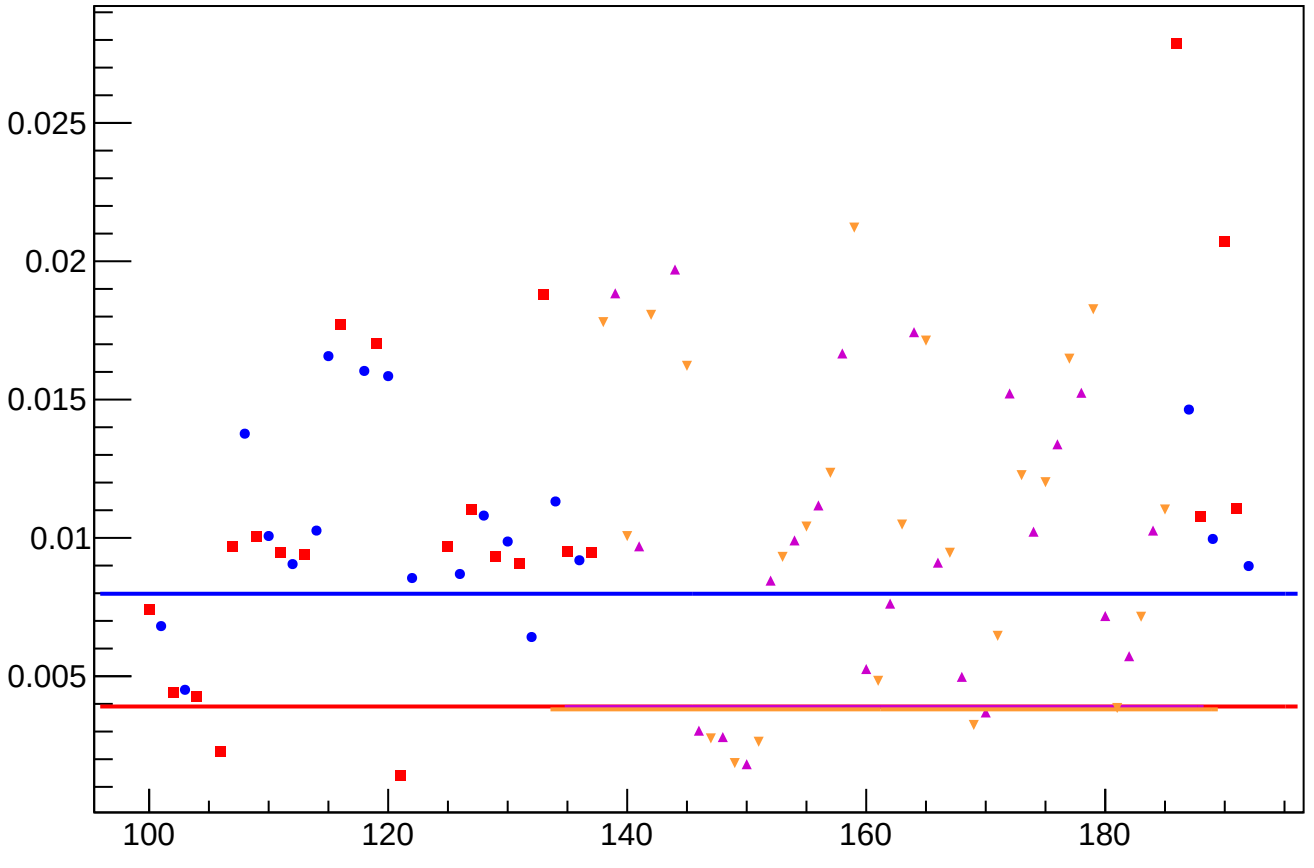
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 47.3/40

In: 0.000+/-0.000 χ^2/NDF:57.3/41

Out: -0.000+/-0.000 χ^2/NDF:49.4/45

All: -0.000+/-0.000 χ^2/NDF: 107.3/87



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: 8372688.5/21

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

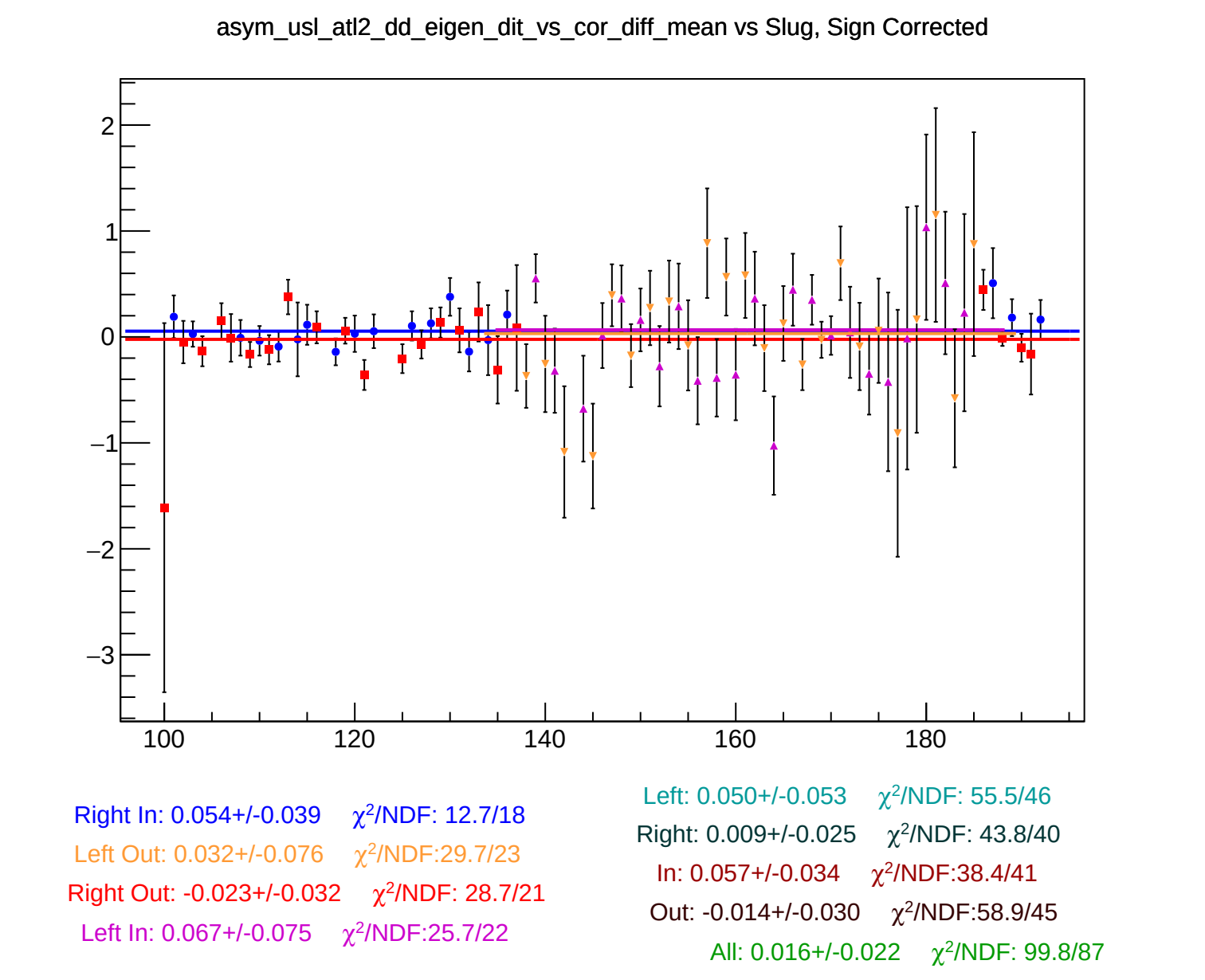
Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

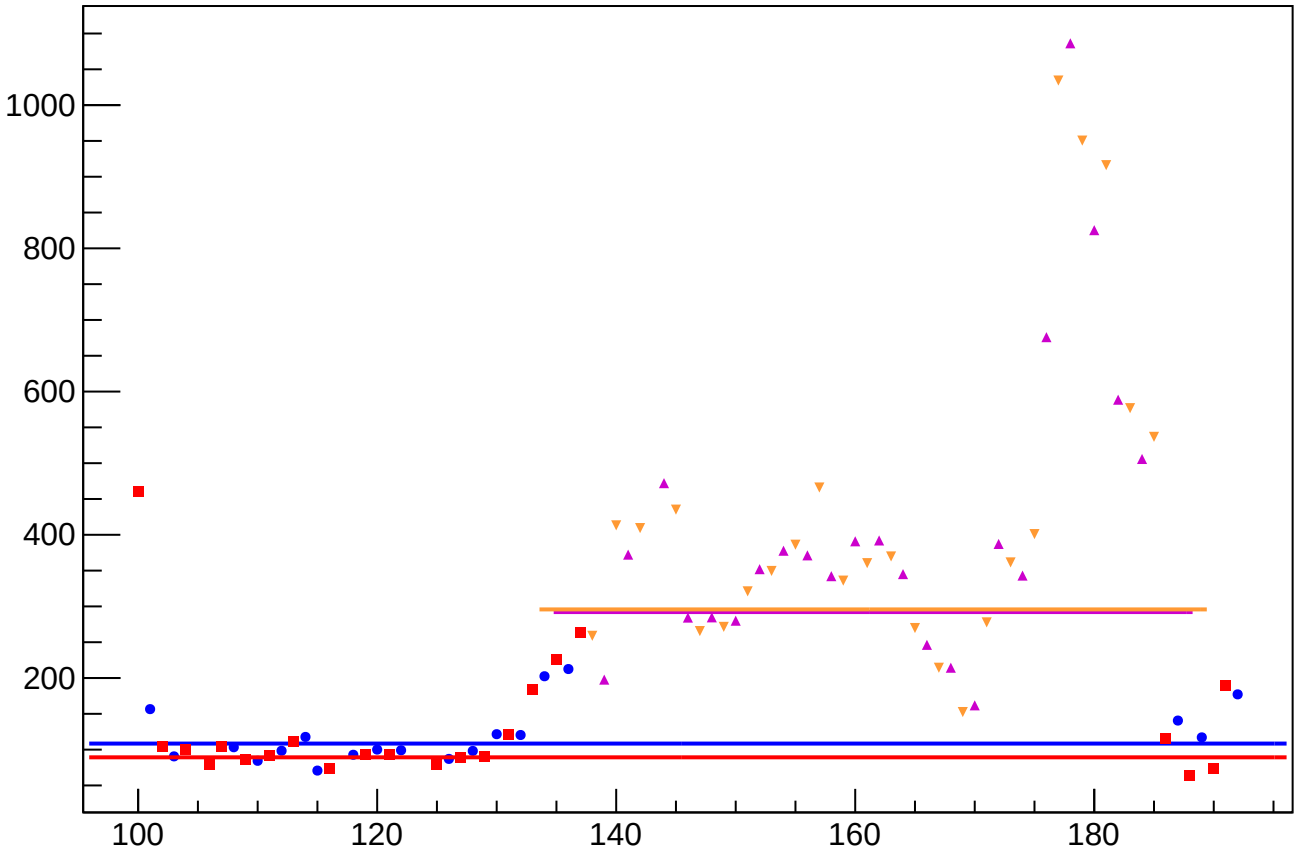
Right: 0.005+/-0.000 χ^2/NDF: 13061946.9/40

In: 0.005+/-0.000 χ^2/NDF:18735302.4/41

Out: 0.004+/-0.000 χ^2/NDF:23002177.4/45

All: 0.004+/-0.000 χ^2/NDF: 42148197.0/87


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
Right In: 0.054+/-0.039 χ²/NDF: 12.7/18
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: -0.023+/-0.032 χ²/NDF: 28.7/21
Left In: 0.067+/-0.075 χ²/NDF:25.7/22
Left: 0.050+/-0.053 χ²/NDF: 55.5/46
Right: 0.009+/-0.025 χ²/NDF: 43.8/40
In: 0.057+/-0.034 χ²/NDF:38.4/41
Out: -0.014+/-0.030 χ²/NDF:58.9/45
All: 0.016+/-0.022 χ²/NDF: 99.8/87



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: 89.253+/-0.023 χ^2/NDF: 1505251.9/21

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

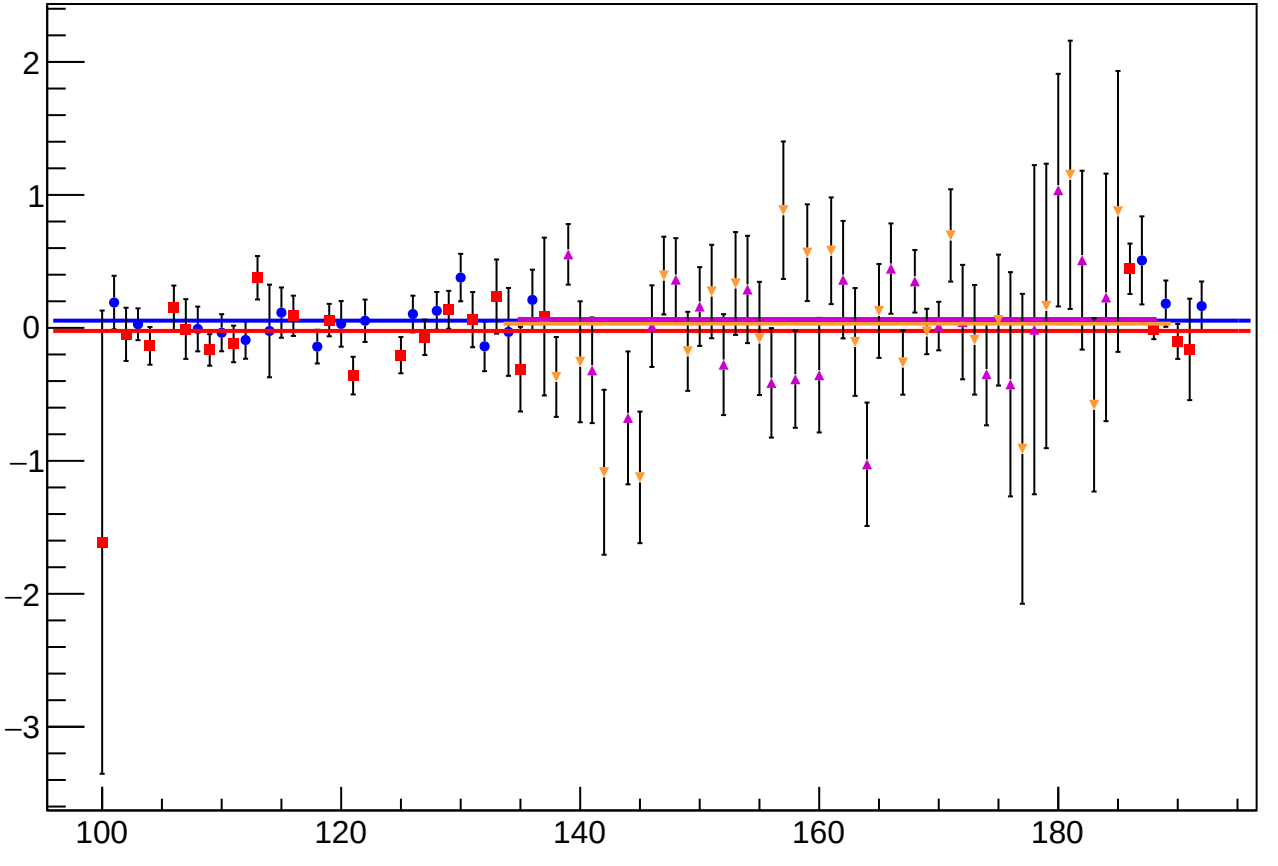
Right: 97.116+/-0.018 χ^2/NDF: 3107468.8/40

In: 147.409+/-0.024 χ^2/NDF:15886694.8/41

Out: 120.815+/-0.021 χ^2/NDF:19519316.8/45

All: 132.173+/-0.016 χ^2/NDF: 36090339.2/87

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: -0.023+/-0.032 χ^2/NDF: 28.7/21

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

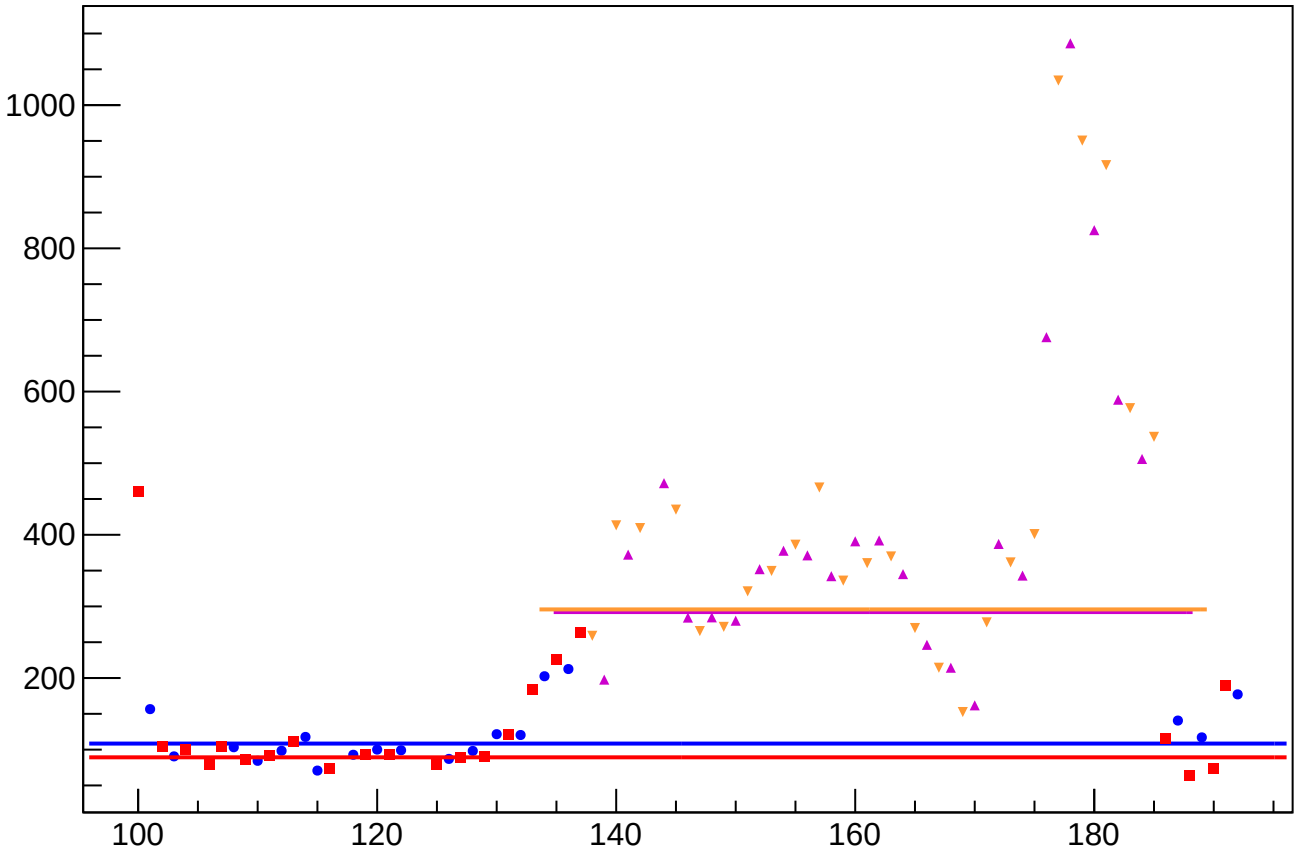
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.009+/-0.025 χ^2/NDF: 43.8/40

In: 0.057+/-0.034 χ^2/NDF:38.4/41

Out: -0.014+/-0.030 χ^2/NDF:58.9/45

All: 0.016+/-0.022 χ^2/NDF: 99.8/87



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: 89.253+/-0.023 χ^2/NDF: 1505251.9/21

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

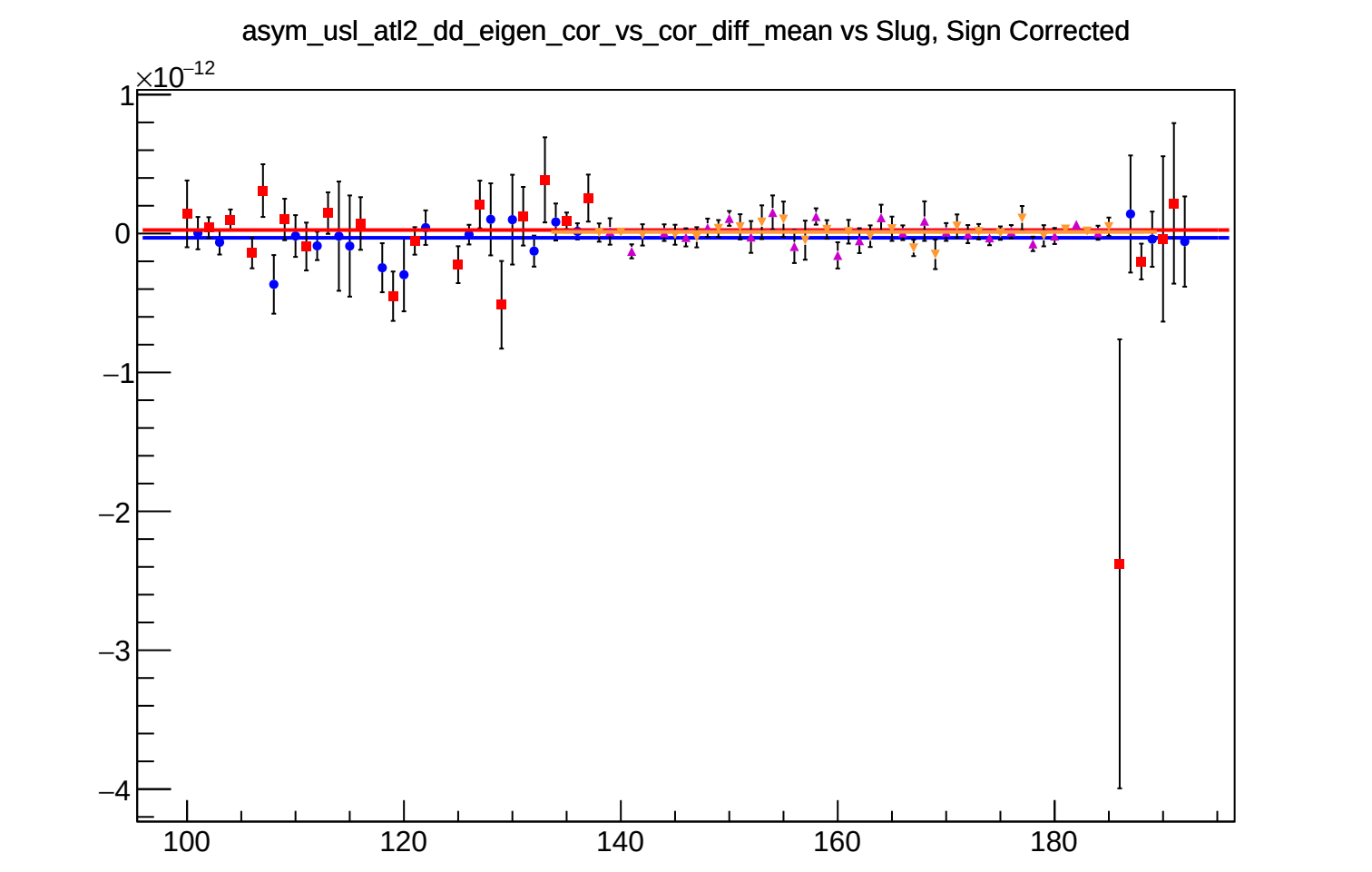
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 97.116+/-0.018 χ^2/NDF: 3107468.8/40

In: 147.409+/-0.024 χ^2/NDF:15886694.8/41

Out: 120.815+/-0.021 χ^2/NDF:19519316.8/45

All: 132.173+/-0.016 χ^2/NDF: 36090339.2/87



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: 32.7/21

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

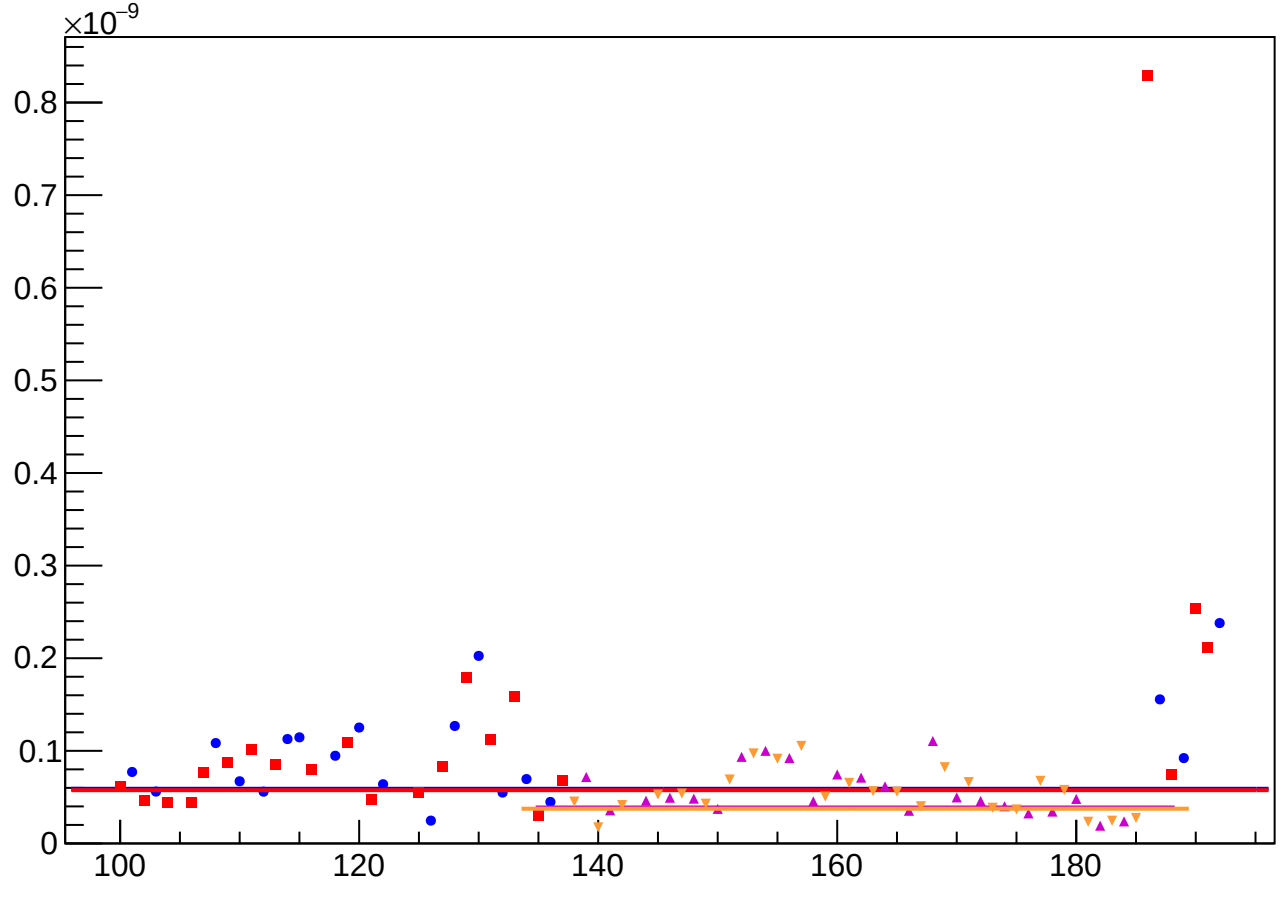
Right: -0.000+/-0.000 χ^2/NDF: 43.3/40

In: 0.000+/-0.000 χ^2/NDF:41.7/41

Out: 0.000+/-0.000 χ^2/NDF:43.5/45

All: 0.000+/-0.000 χ^2/NDF: 85.3/87

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: 2623678.9/21

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

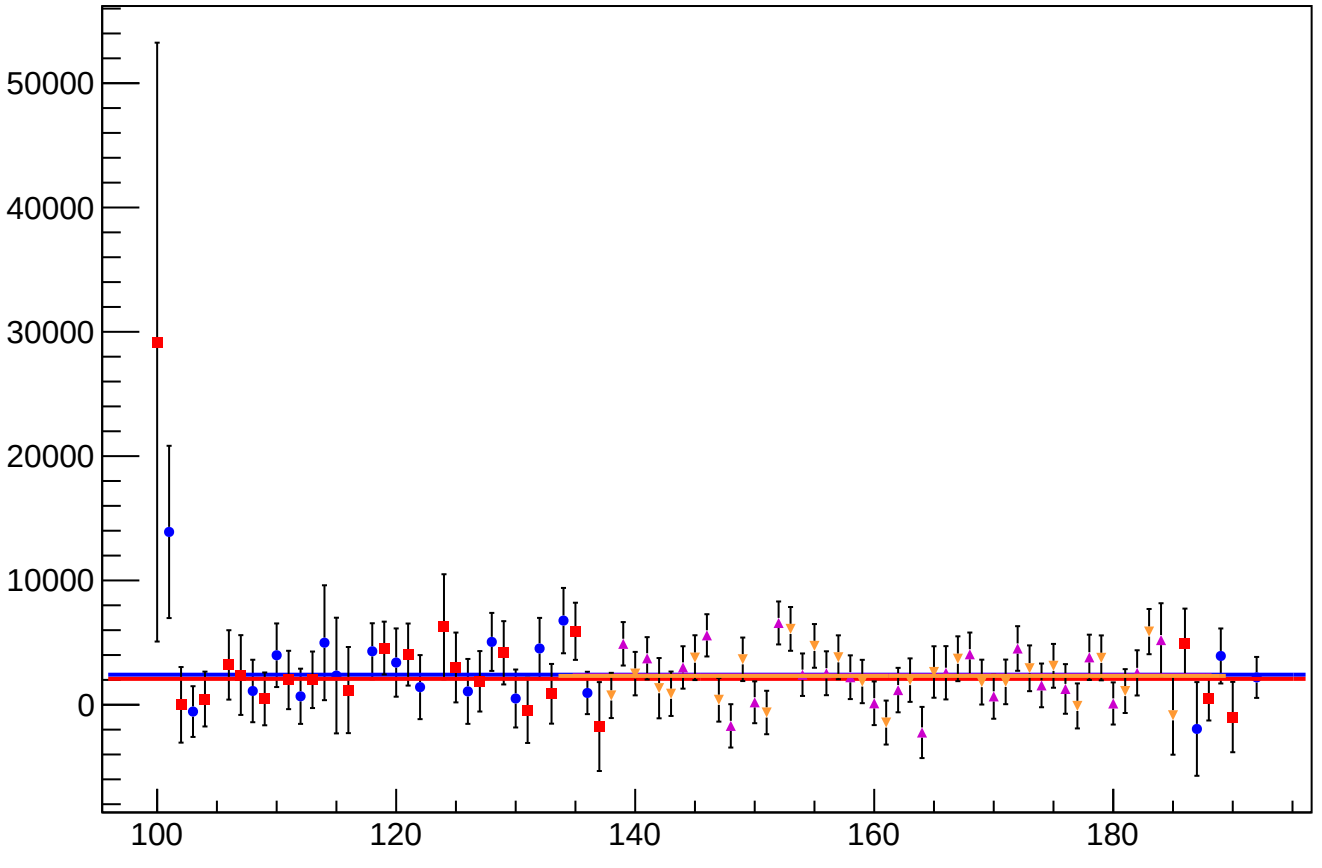
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 4992855.7/40

In: 0.000+/-0.000 χ^2/NDF:7766222.1/41

Out: 0.000+/-0.000 χ^2/NDF:8473128.4/45

All: 0.000+/-0.000 χ^2/NDF: 16251863.0/87



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: 2082.345+/-552.148 χ^2/NDF: 15.0/21

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

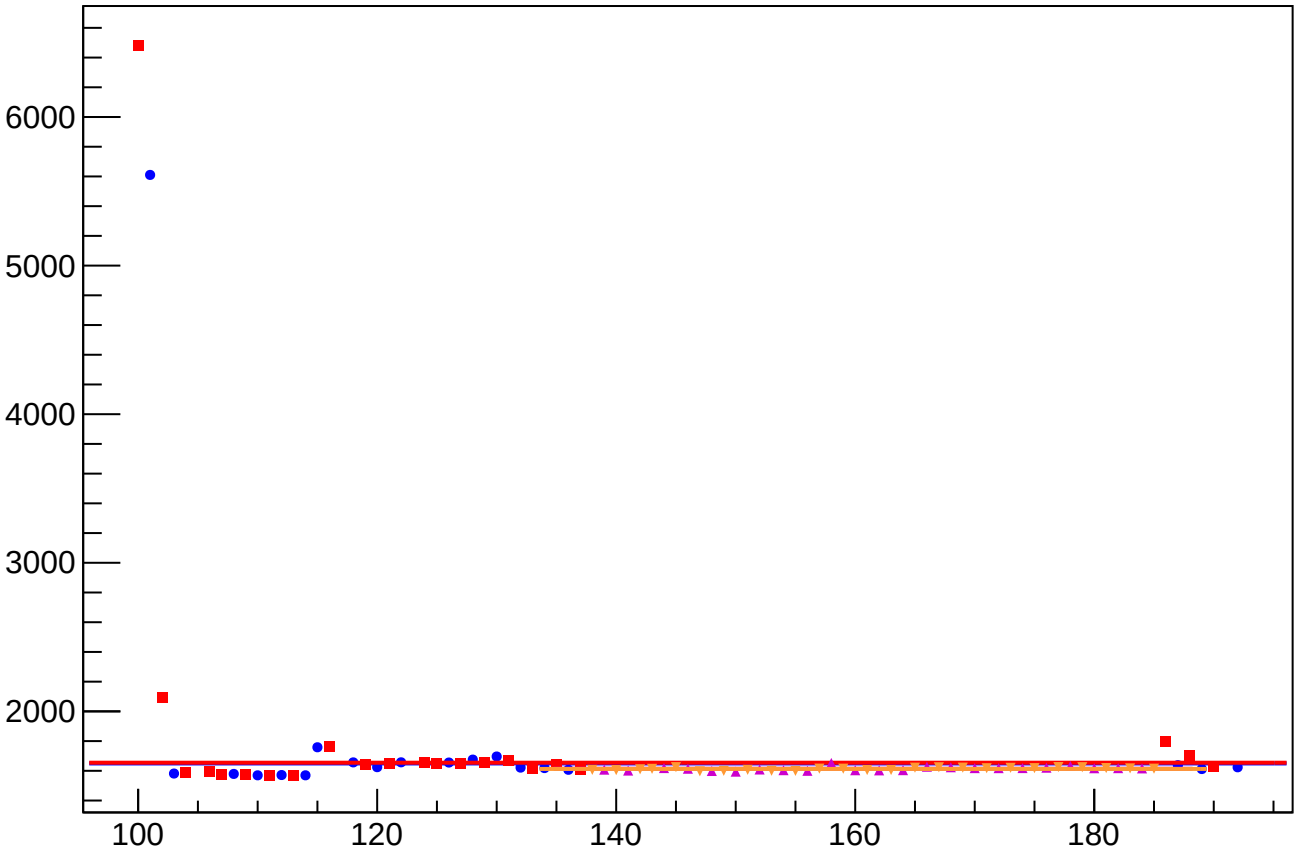
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2247.113+/-394.029 χ^2/NDF: 30.9/40

In: 2385.334+/-313.048 χ^2/NDF:49.4/41

Out: 2248.111+/-305.239 χ^2/NDF:42.7/46

All: 2314.990+/-218.545 χ^2/NDF: 92.2/88



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: 1654.527+/-0.390 χ^2/NDF: 144213.8/21

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

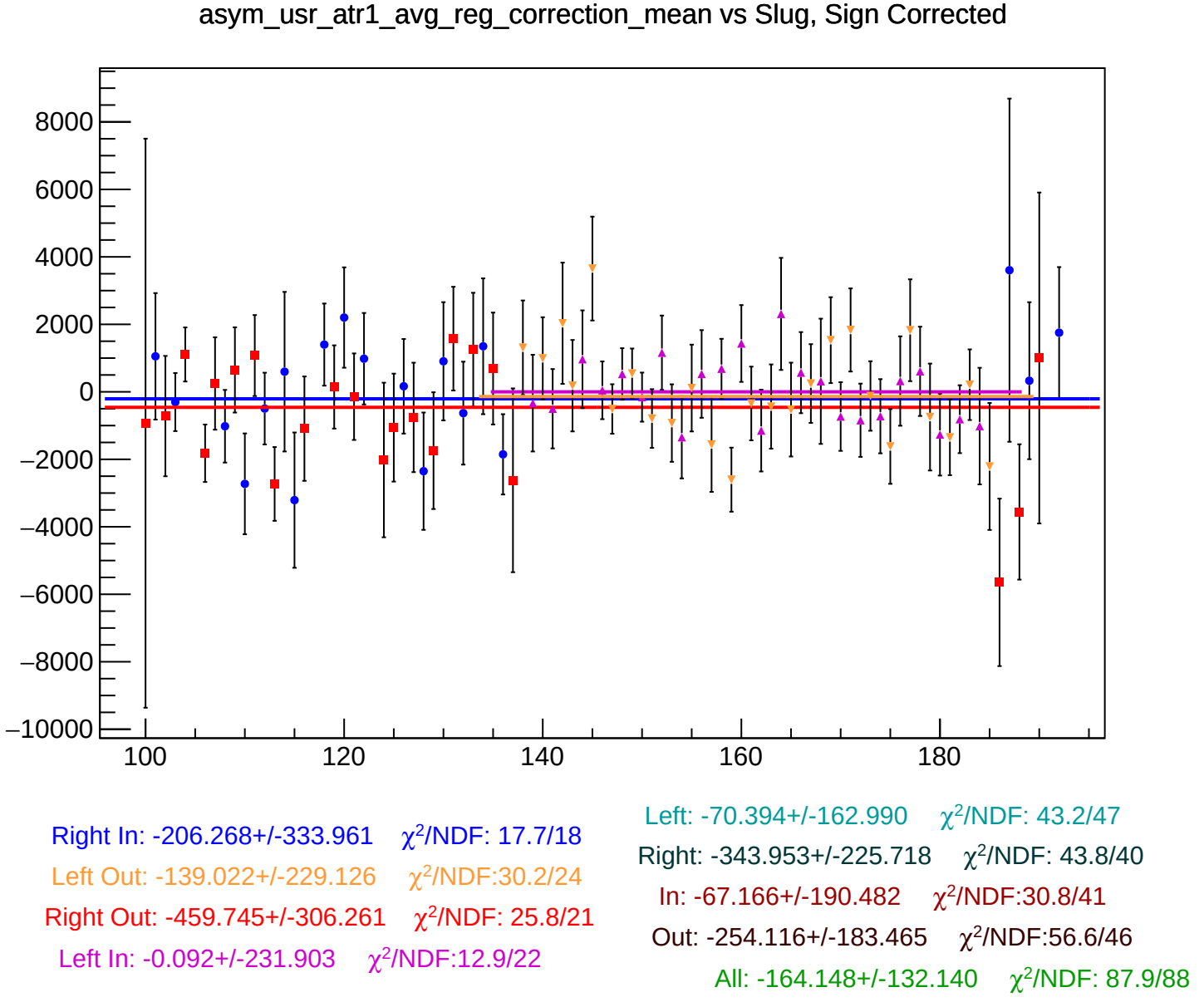
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1652.078+/-0.279 χ^2/NDF: 811863.3/40

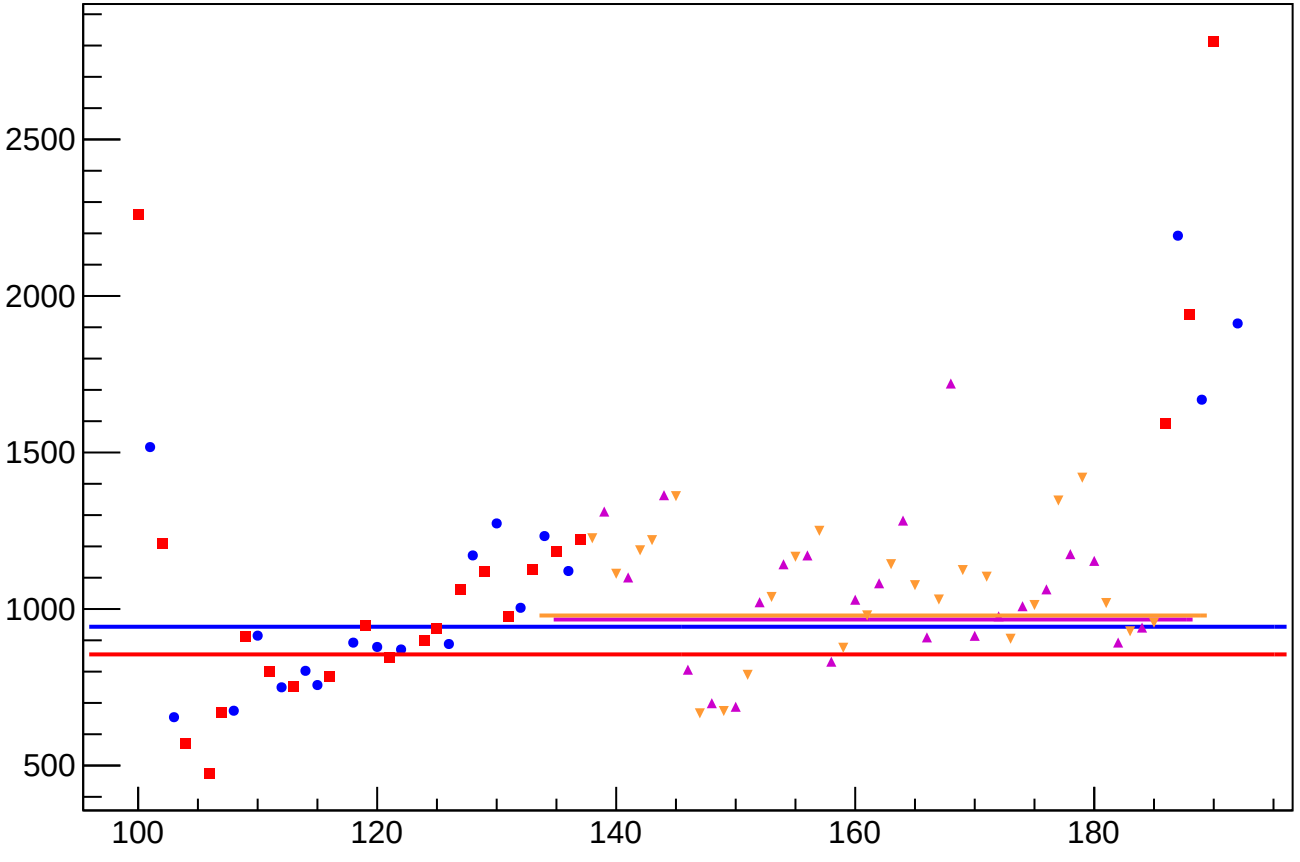
In: 1624.865+/-0.221 χ^2/NDF:675498.5/41

Out: 1625.419+/-0.216 χ^2/NDF:153391.5/46

All: 1625.149+/-0.155 χ^2/NDF: 828893.2/88


asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
Right In: -206.268+/-333.961 χ²/NDF: 17.7/18
Left Out: -139.022+/-229.126 χ²/NDF:30.2/24
Right Out: -459.745+/-306.261 χ²/NDF: 25.8/21
Left In: -0.092+/-231.903 χ²/NDF:12.9/22
Left: -70.394+/-162.990 χ²/NDF: 43.2/47
Right: -343.953+/-225.718 χ²/NDF: 43.8/40
In: -67.166+/-190.482 χ²/NDF:30.8/41
Out: -254.116+/-183.465 χ²/NDF:56.6/46
All: -164.148+/-132.140 χ²/NDF: 87.9/88

asym_usr_atr1_avg_reg_correction_rms vs Slug, Sign Corrected



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: 855.014+/-0.217 χ^2/NDF: 2211109.1/21

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

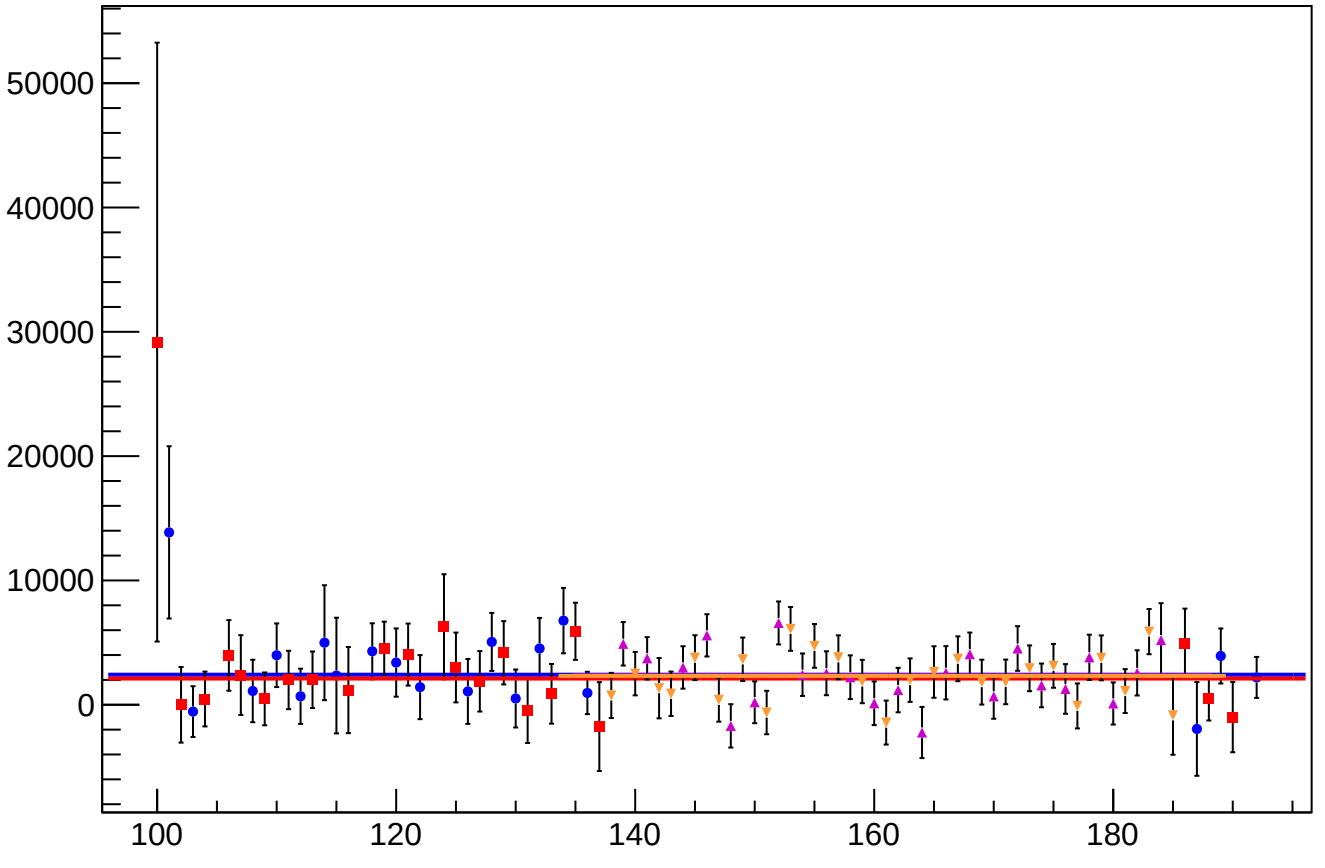
Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

Right: 895.372+/-0.160 χ^2/NDF: 3938027.0/40

In: 958.990+/-0.135 χ^2/NDF:3259979.4/41

Out: 934.695+/-0.130 χ^2/NDF:4052890.1/46

All: 946.387+/-0.093 χ^2/NDF: 7329746.6/88



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: 2109.935+/-552.520 χ^2/NDF: 15.3/21

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

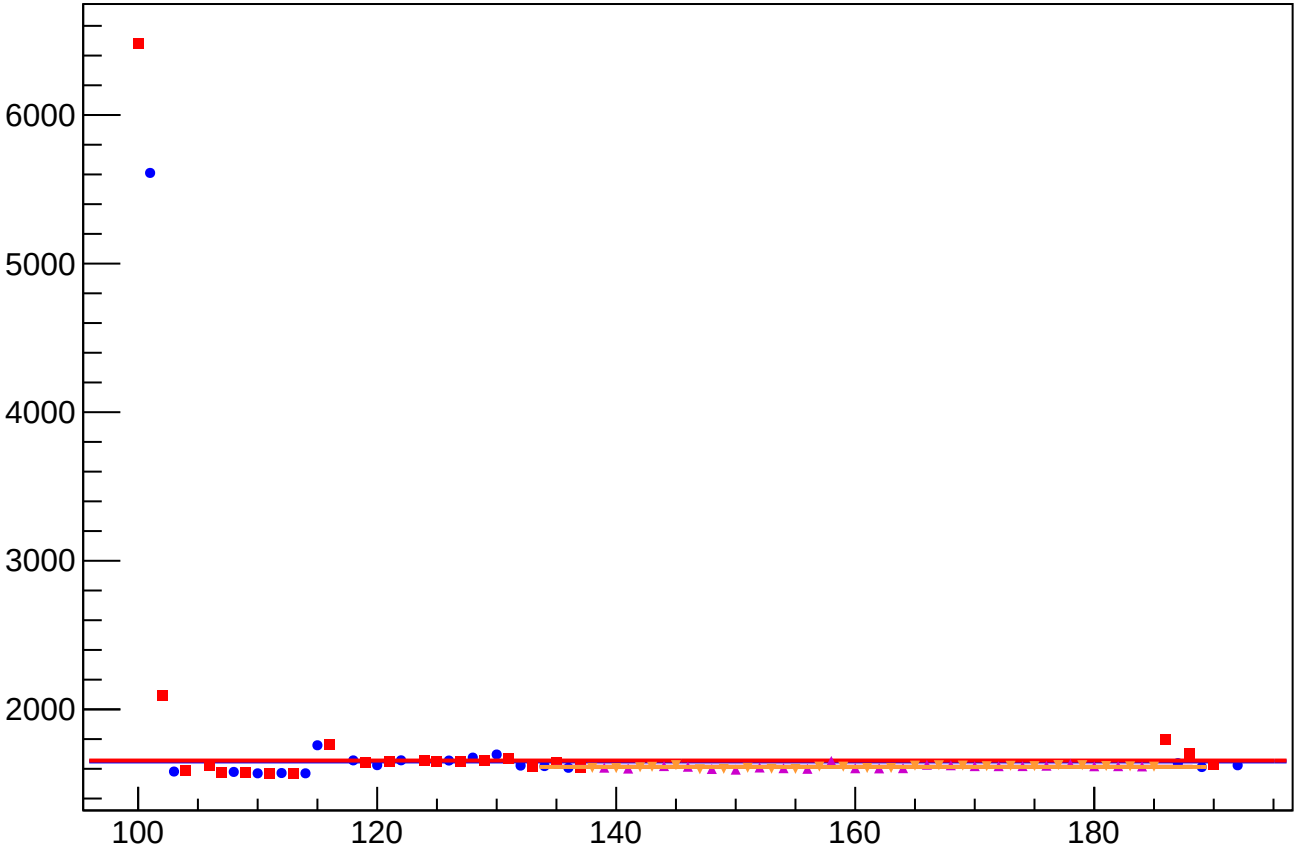
Right: 2261.048+/-394.165 χ^2/NDF: 31.1/40

In: 2385.245+/-313.048 χ^2/NDF:49.4/41

Out: 2256.574+/-305.302 χ^2/NDF:42.9/46

All: 2319.298+/-218.568 χ^2/NDF: 92.4/88

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



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: 1655.612+/-0.391 χ^2/NDF: 143543.9/21

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

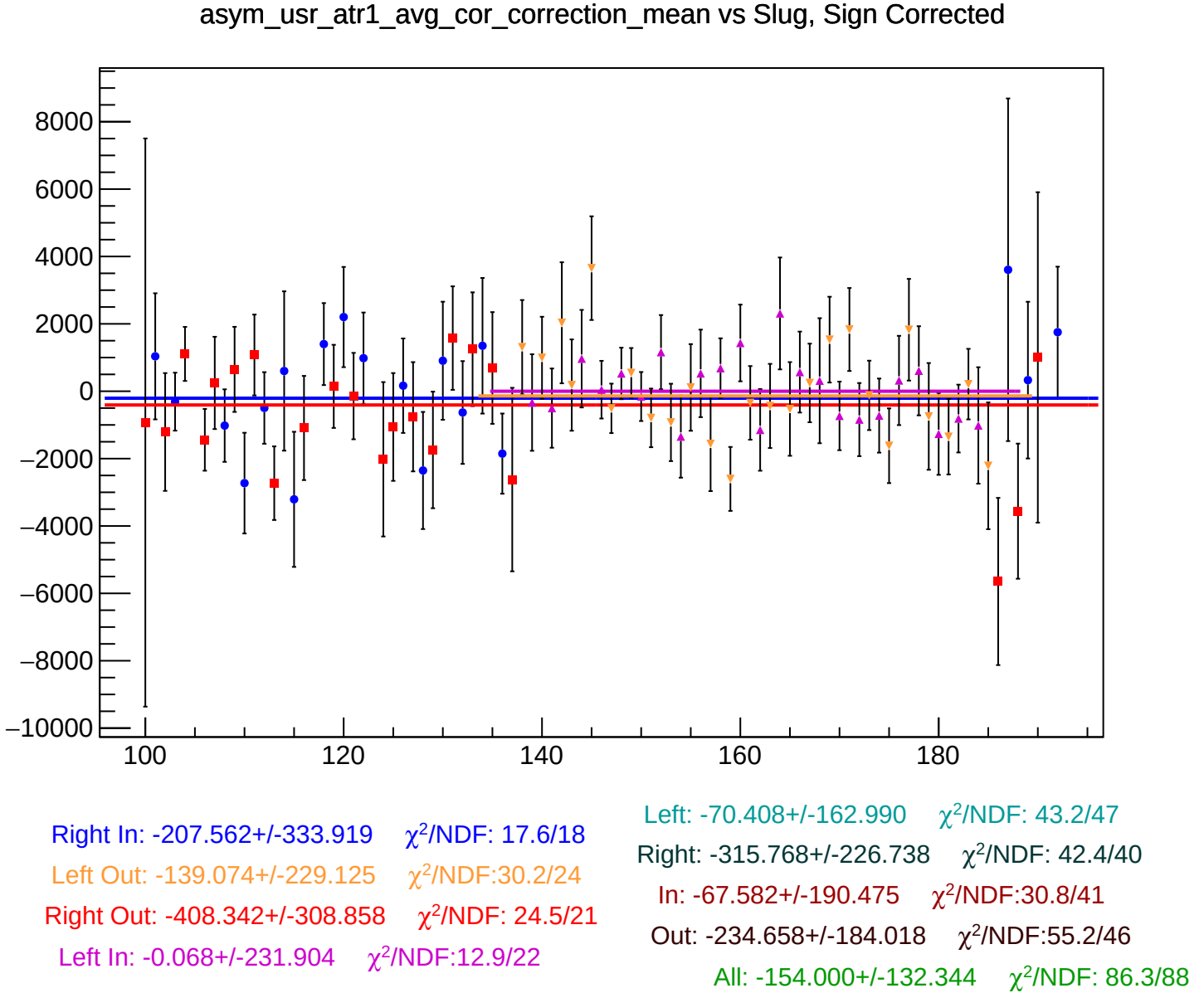
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1652.629+/-0.279 χ^2/NDF: 811231.4/40

In: 1624.865+/-0.221 χ^2/NDF:675498.0/41

Out: 1625.738+/-0.216 χ^2/NDF:153133.3/46

All: 1625.312+/-0.155 χ^2/NDF: 828639.3/88


asym_usr_atr1_avg_cor_correction_mean vs Slug, Sign Corrected
8000
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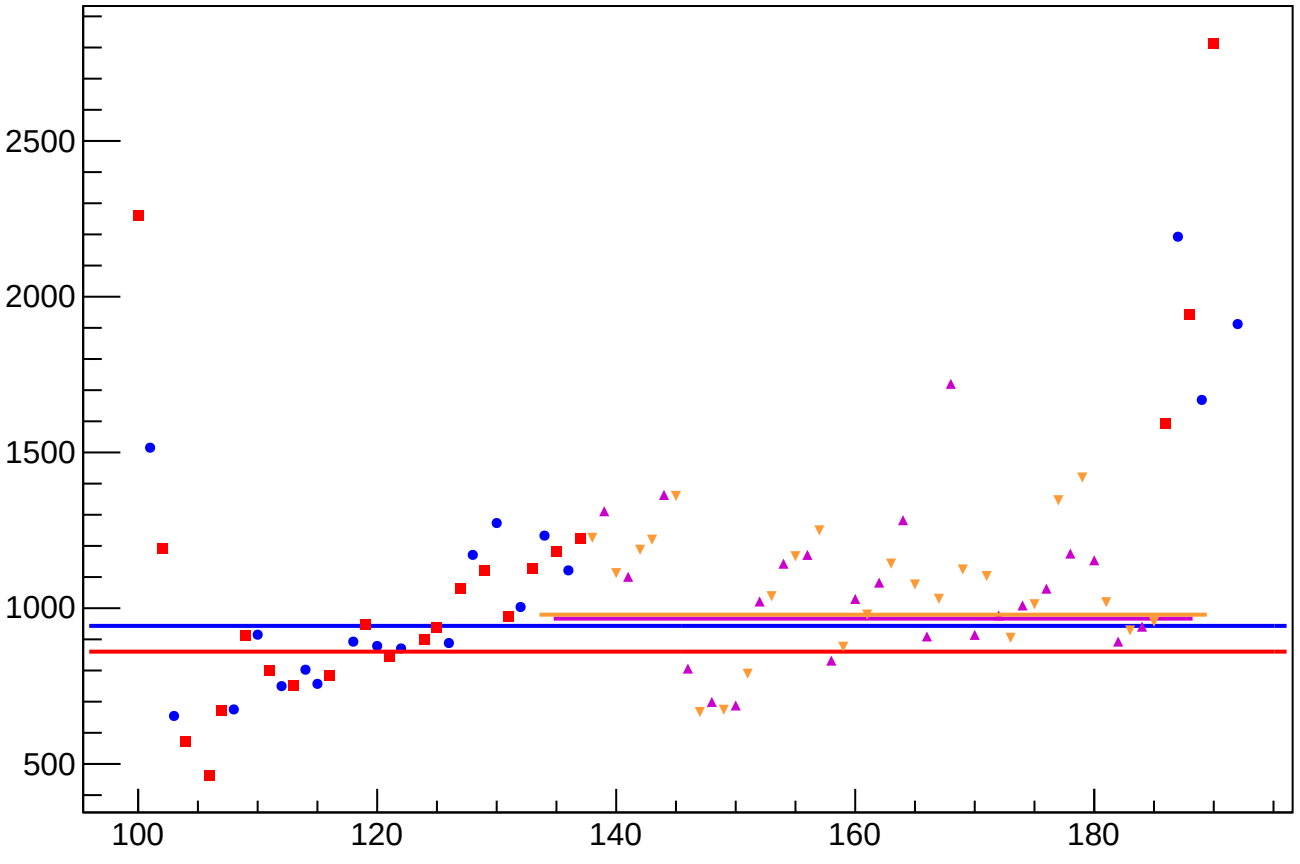
−10000
100
120
140
160
180
Right In: -207.562+/-333.919 χ²/NDF: 17.6/18
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -408.342+/-308.858 χ²/NDF: 24.5/21
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -315.768+/-226.738 χ²/NDF: 42.4/40
In: -67.582+/-190.475 χ²/NDF:30.8/41
Out: -234.658+/-184.018 χ²/NDF:55.2/46
All: -154.000+/-132.344 χ²/NDF: 86.3/88



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: 860.583+/-0.218 χ^2/NDF: 2170078.4/21

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

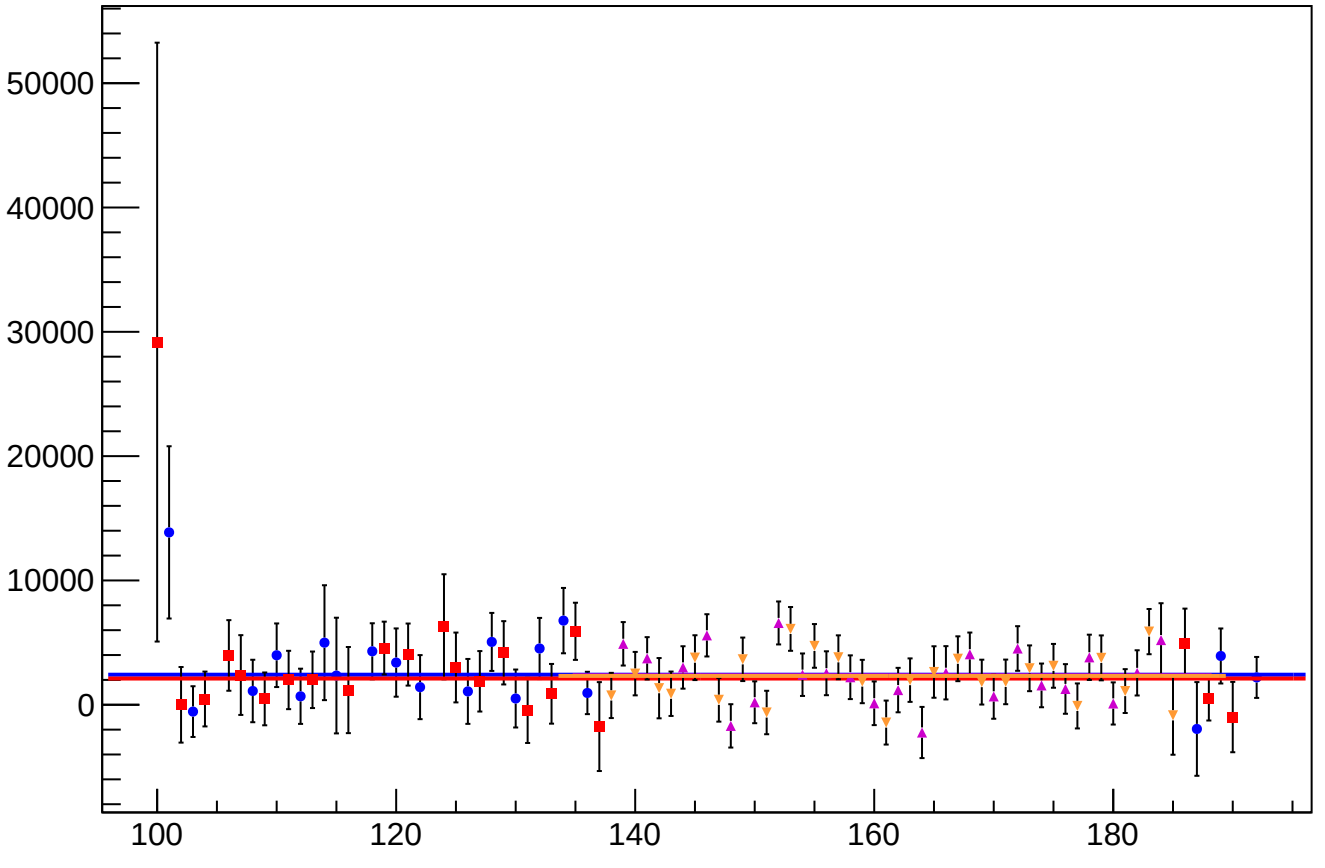
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 898.700+/-0.160 χ^2/NDF: 3886987.4/40

In: 958.957+/-0.135 χ^2/NDF:3259961.8/41

Out: 937.150+/-0.130 χ^2/NDF:3991368.5/46

All: 947.678+/-0.094 χ^2/NDF: 7264889.4/88



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: 2109.935+/-552.520 χ^2/NDF: 15.3/21

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

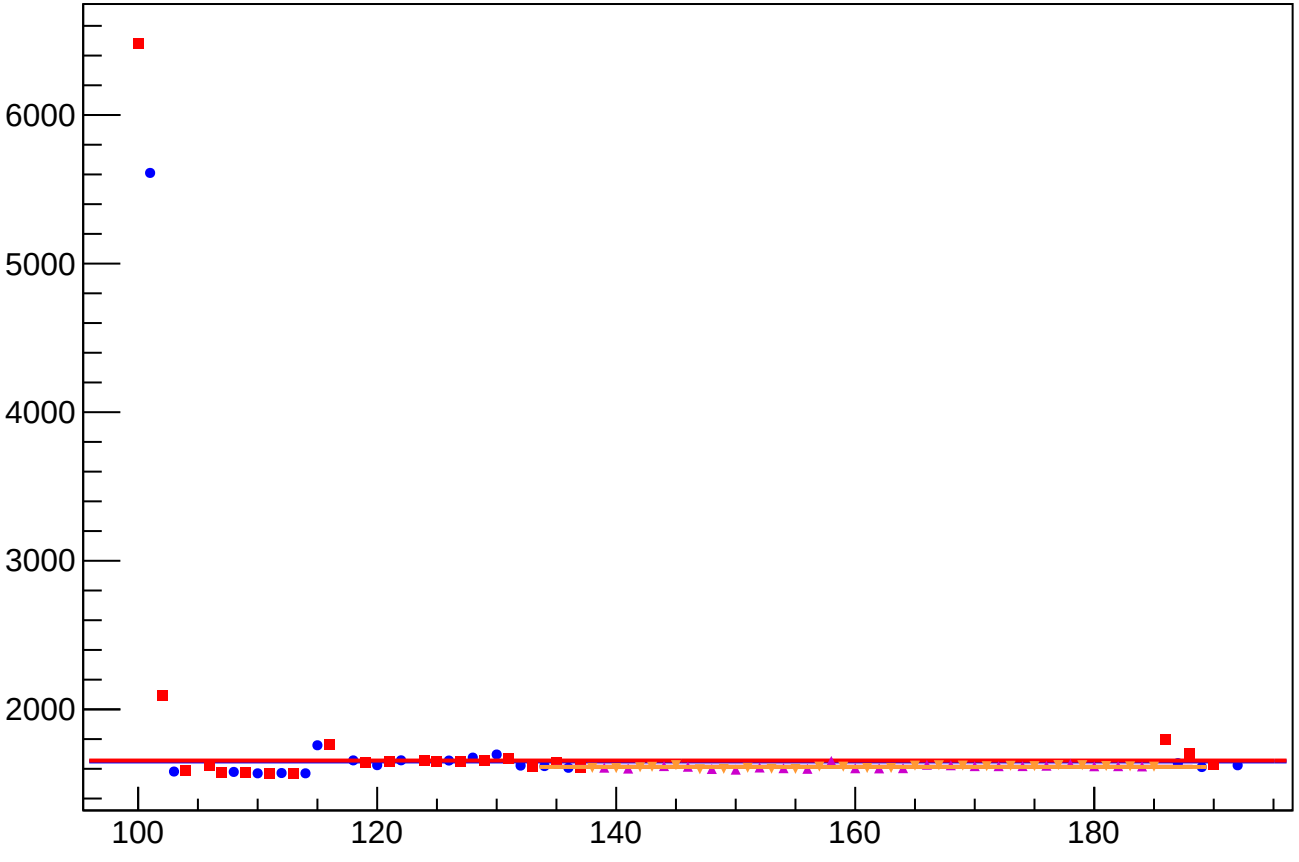
Right: 2261.048+/-394.165 χ^2/NDF: 31.1/40

In: 2385.245+/-313.048 χ^2/NDF:49.4/41

Out: 2256.574+/-305.302 χ^2/NDF:42.9/46

All: 2319.298+/-218.568 χ^2/NDF: 92.4/88

eigen_cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



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: 1655.612+/-0.391 χ^2/NDF: 143543.9/21

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

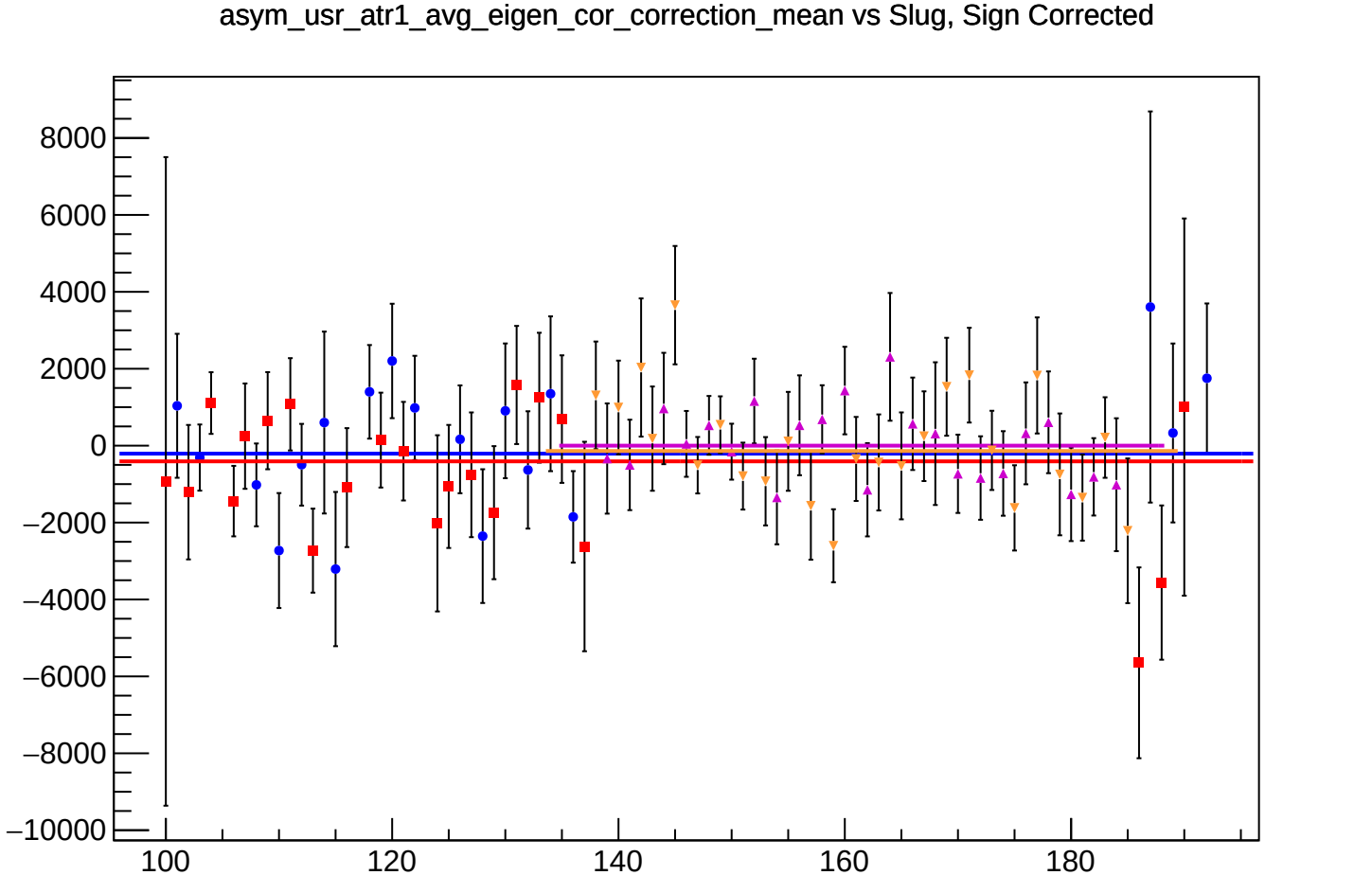
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1652.629+/-0.279 χ^2/NDF: 811231.4/40

In: 1624.865+/-0.221 χ^2/NDF:675498.0/41

Out: 1625.738+/-0.216 χ^2/NDF:153133.3/46

All: 1625.312+/-0.155 χ^2/NDF: 828639.3/88


asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
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−6000
−8000
−10000
100
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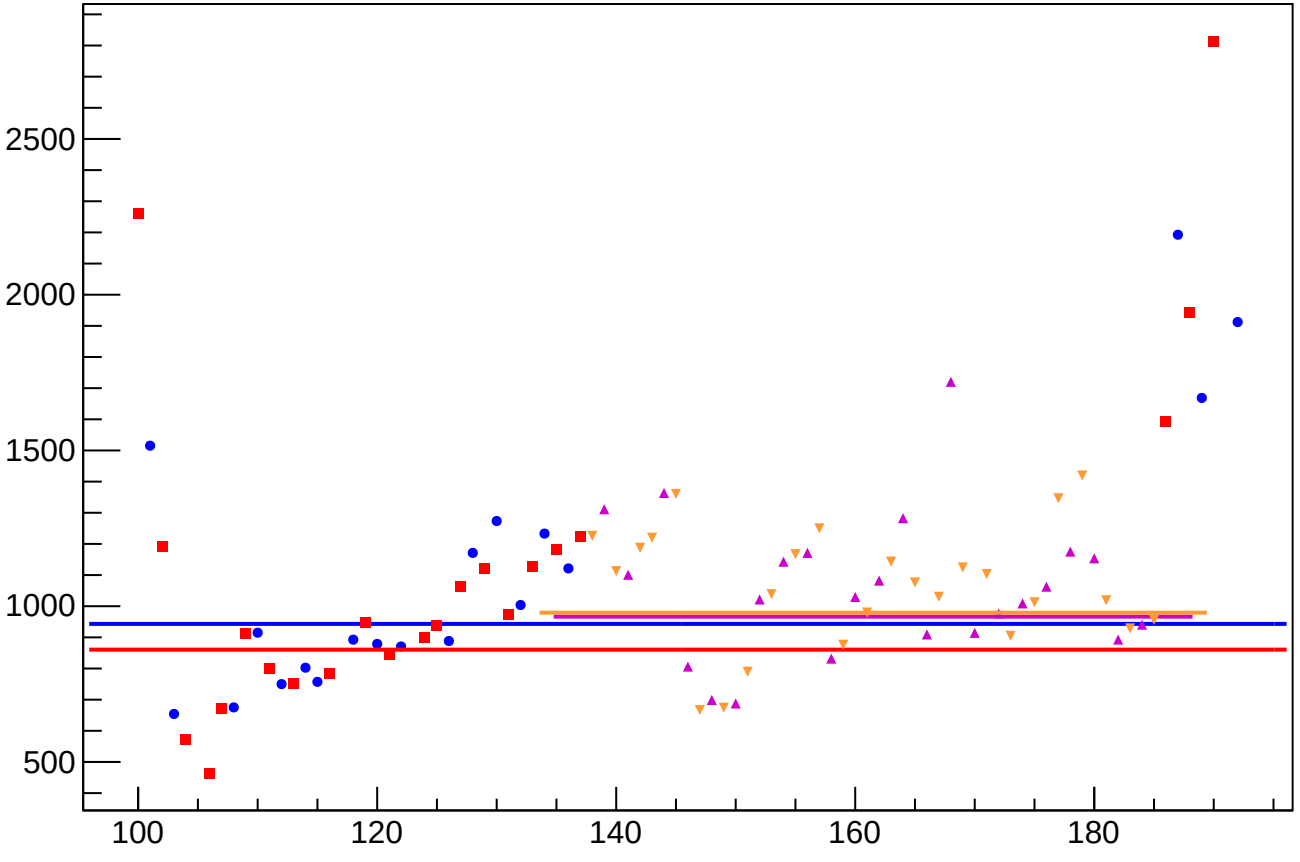
160
180
Right In: -207.562+/-333.919 χ²/NDF: 17.6/18
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -408.342+/-308.858 χ²/NDF: 24.5/21
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -315.768+/-226.738 χ²/NDF: 42.4/40
In: -67.582+/-190.475 χ²/NDF:30.8/41
Out: -234.658+/-184.018 χ²/NDF:55.2/46
All: -154.000+/-132.344 χ²/NDF: 86.3/88

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: 860.583+/-0.218 χ^2/NDF: 2170078.4/21

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

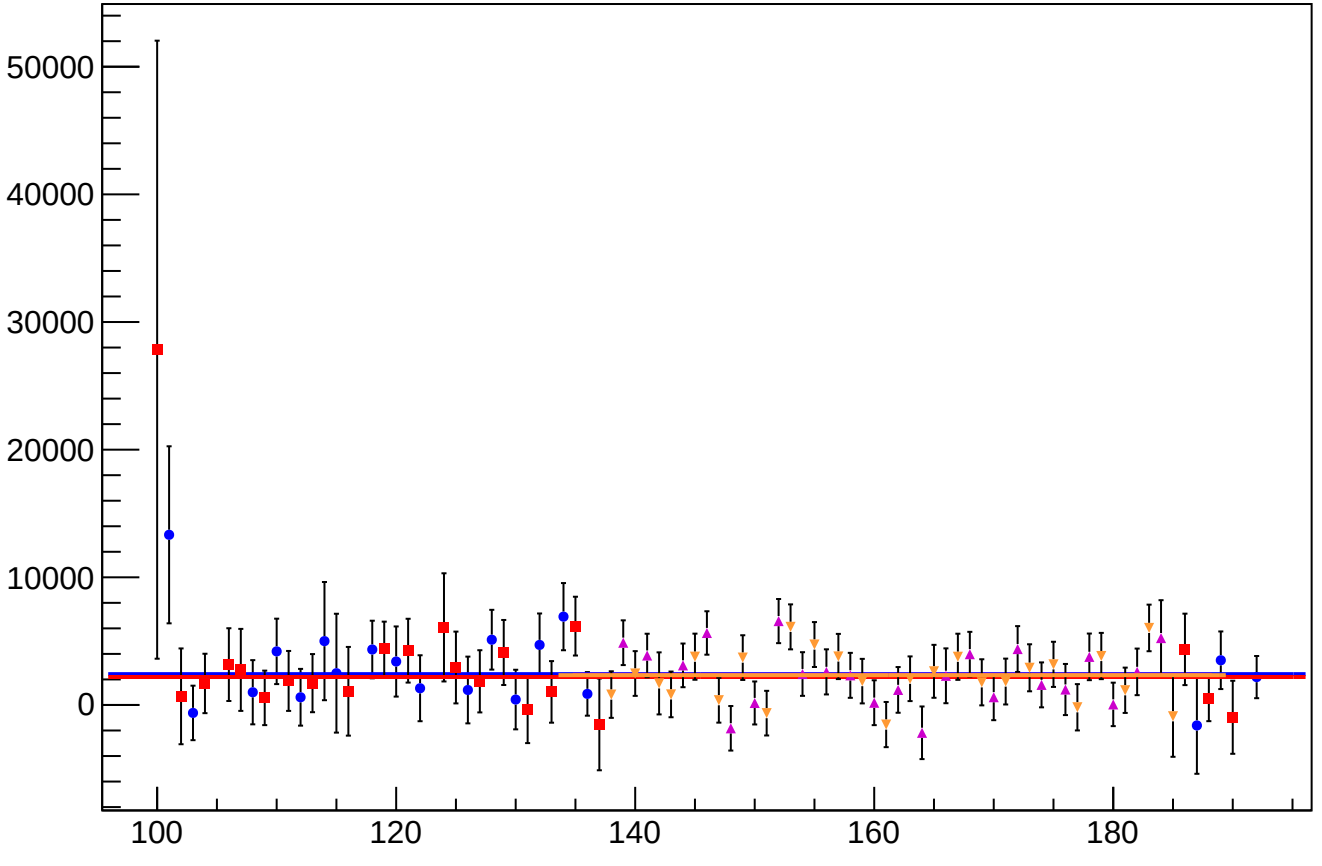
Right: 898.700+/-0.160 χ^2/NDF: 3886987.4/40

In: 958.957+/-0.135 χ^2/NDF:3259961.8/41

Out: 937.150+/-0.130 χ^2/NDF:3991368.5/46

All: 947.678+/-0.094 χ^2/NDF: 7264889.4/88

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: 2191.277+/-558.858 χ^2/NDF: 13.5/21

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

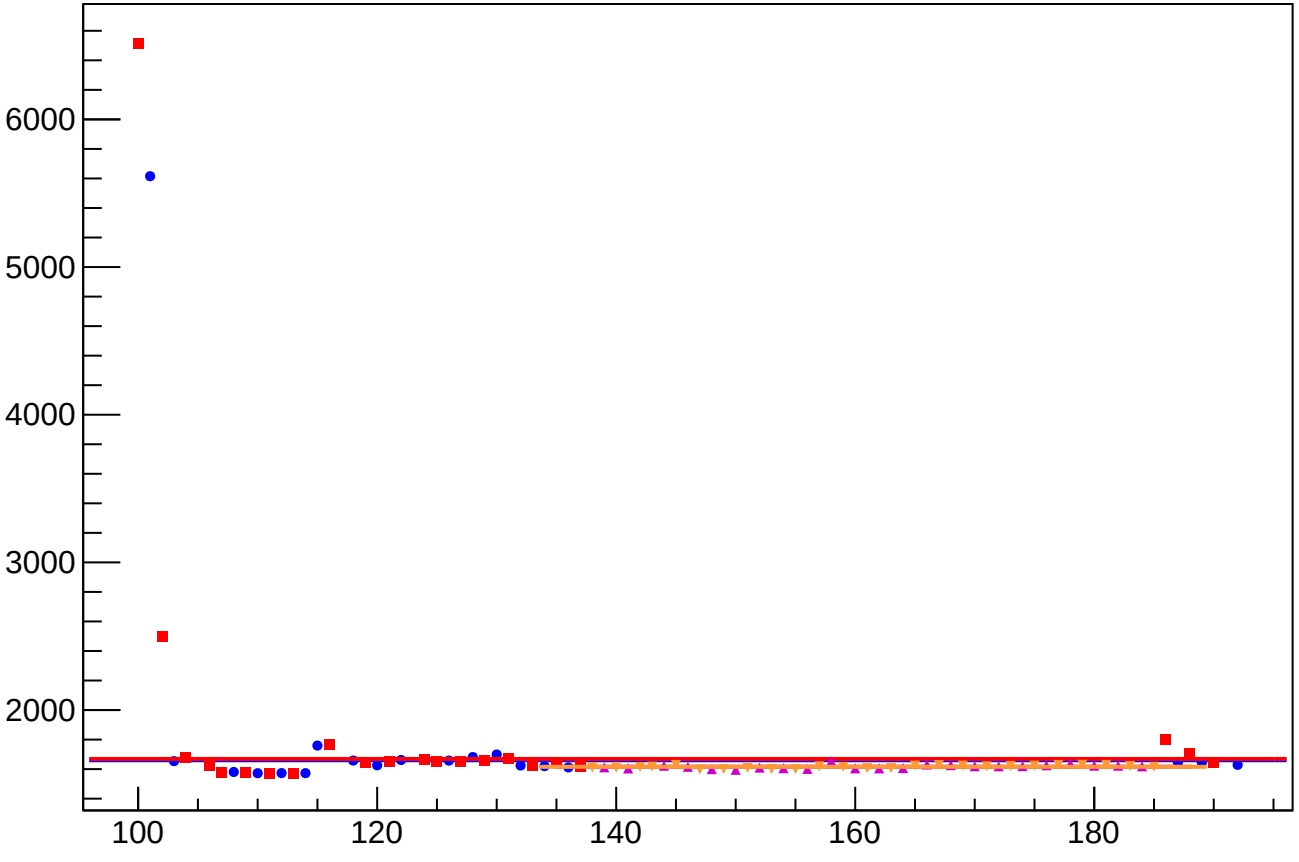
Right: 2301.430+/-397.689 χ^2/NDF: 29.2/40

In: 2376.952+/-314.007 χ^2/NDF:49.6/41

Out: 2291.585+/-306.761 χ^2/NDF:41.8/46

All: 2333.272+/-219.430 χ^2/NDF: 91.5/88

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: 1668.969+/-0.395 χ^2/NDF: 199157.9/21

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

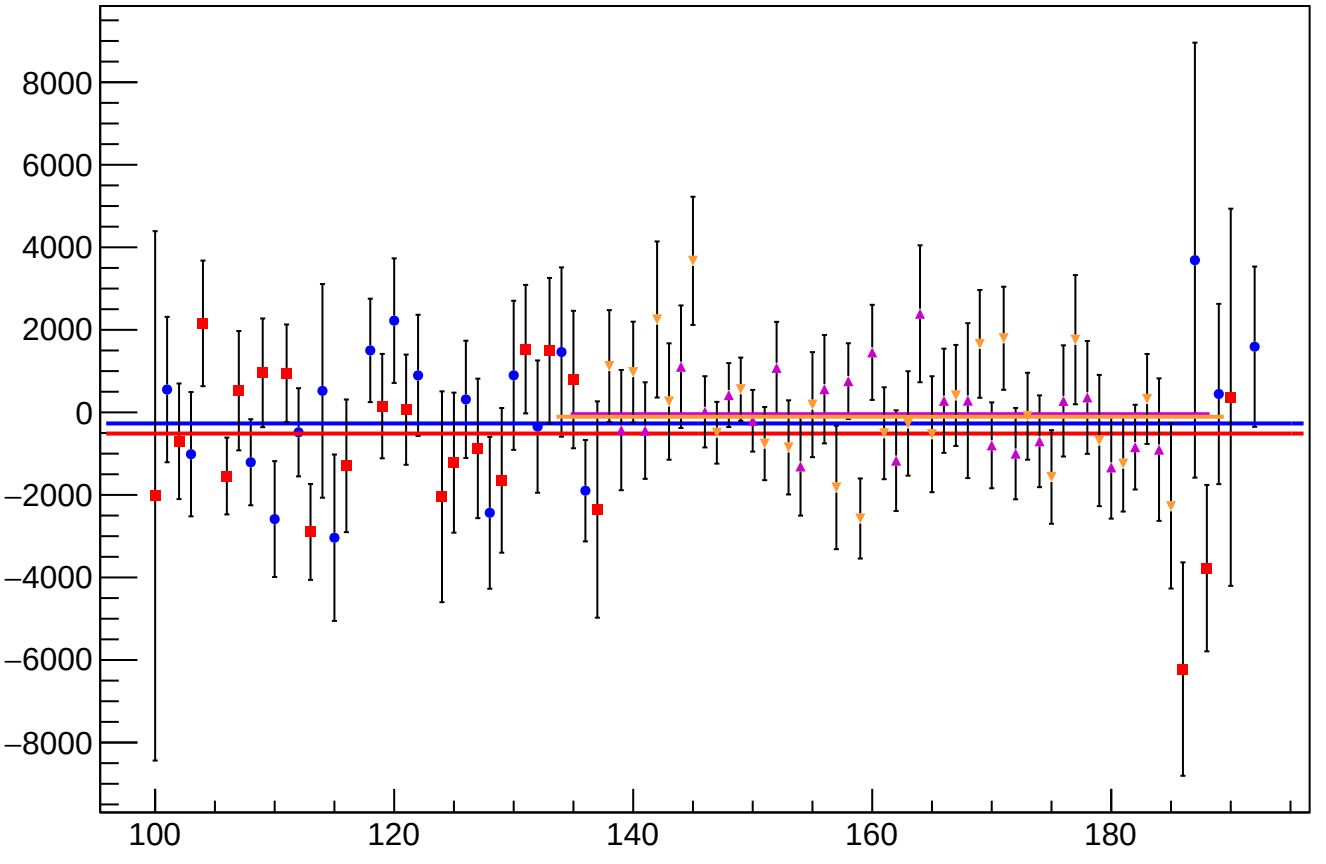
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1664.602+/-0.281 χ^2/NDF: 863361.2/40

In: 1629.827+/-0.222 χ^2/NDF:674788.7/41

Out: 1631.703+/-0.217 χ^2/NDF:213333.0/46

All: 1630.787+/-0.155 χ^2/NDF: 888158.2/88



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: -512.871+/-332.184 χ^2/NDF: 25.2/21

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

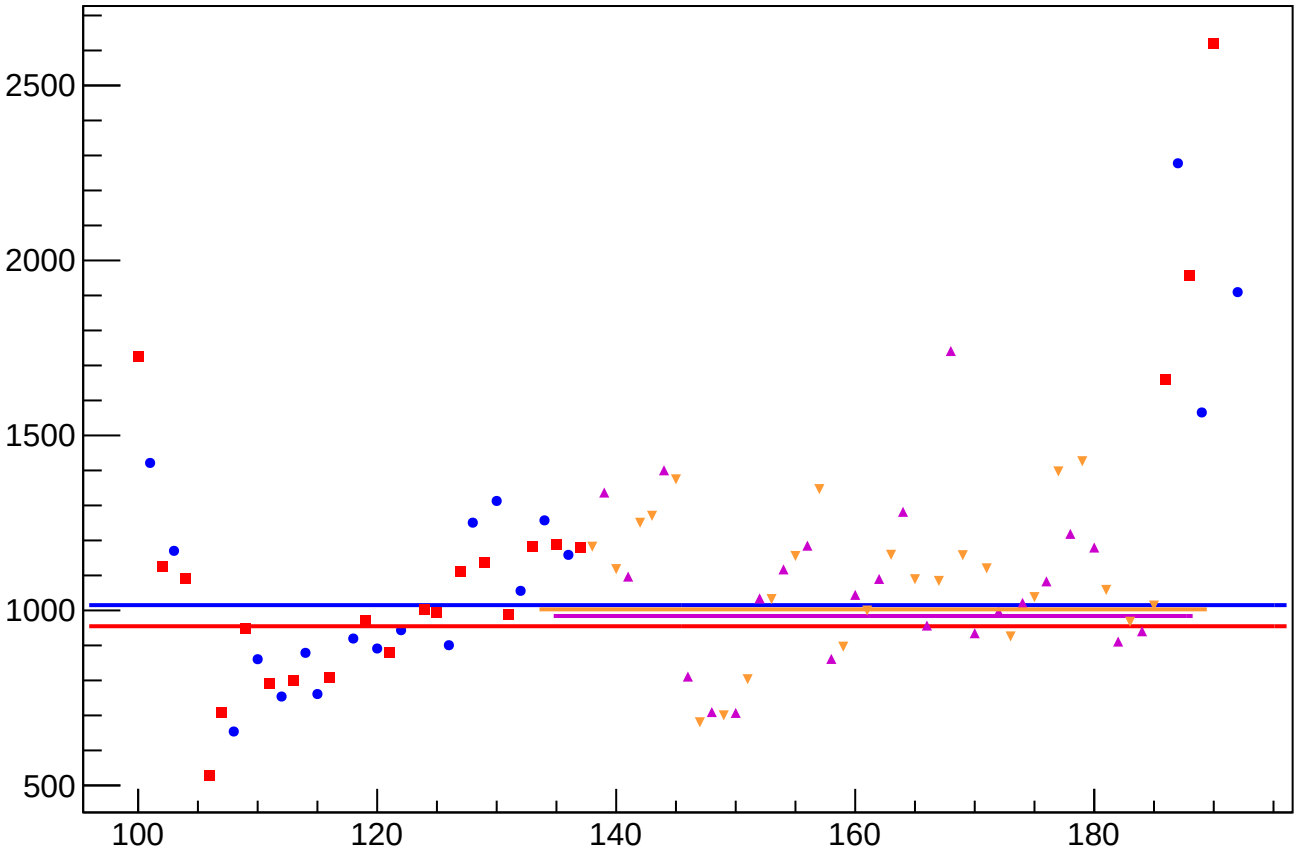
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -398.964+/-242.823 χ^2/NDF: 42.9/40

In: -112.724+/-196.522 χ^2/NDF:30.5/41

Out: -241.400+/-191.468 χ^2/NDF:55.2/46

All: -178.738+/-137.140 χ^2/NDF: 85.9/88



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: 954.820+/-0.235 χ^2/NDF: 1688002.9/21

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

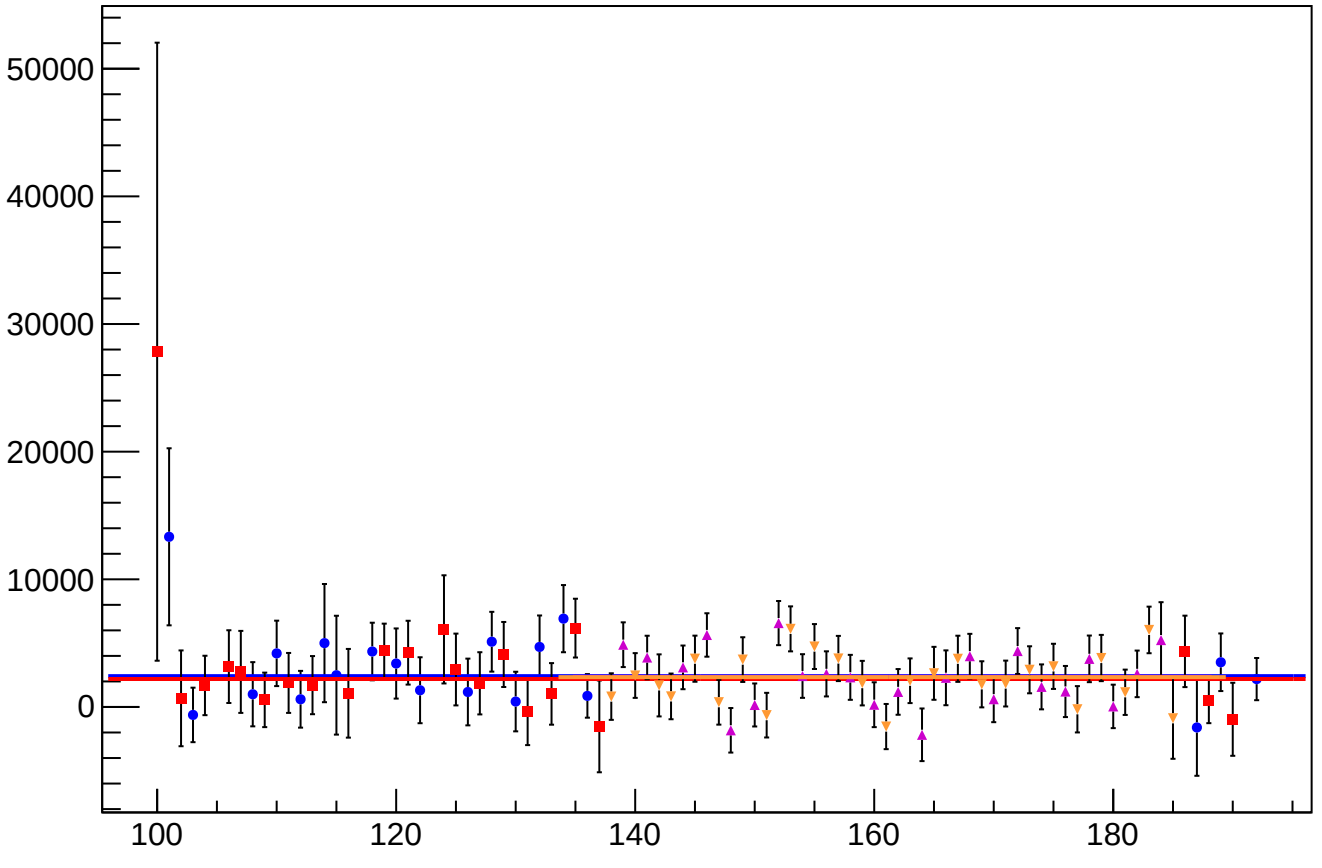
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 982.910+/-0.172 χ^2/NDF: 3119781.8/40

In: 993.536+/-0.139 χ^2/NDF:2971238.4/41

Out: 987.061+/-0.135 χ^2/NDF:3314631.7/46

All: 990.214+/-0.097 χ^2/NDF: 6286984.2/88



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: 2191.275+/-558.858 χ^2/NDF: 13.5/21

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

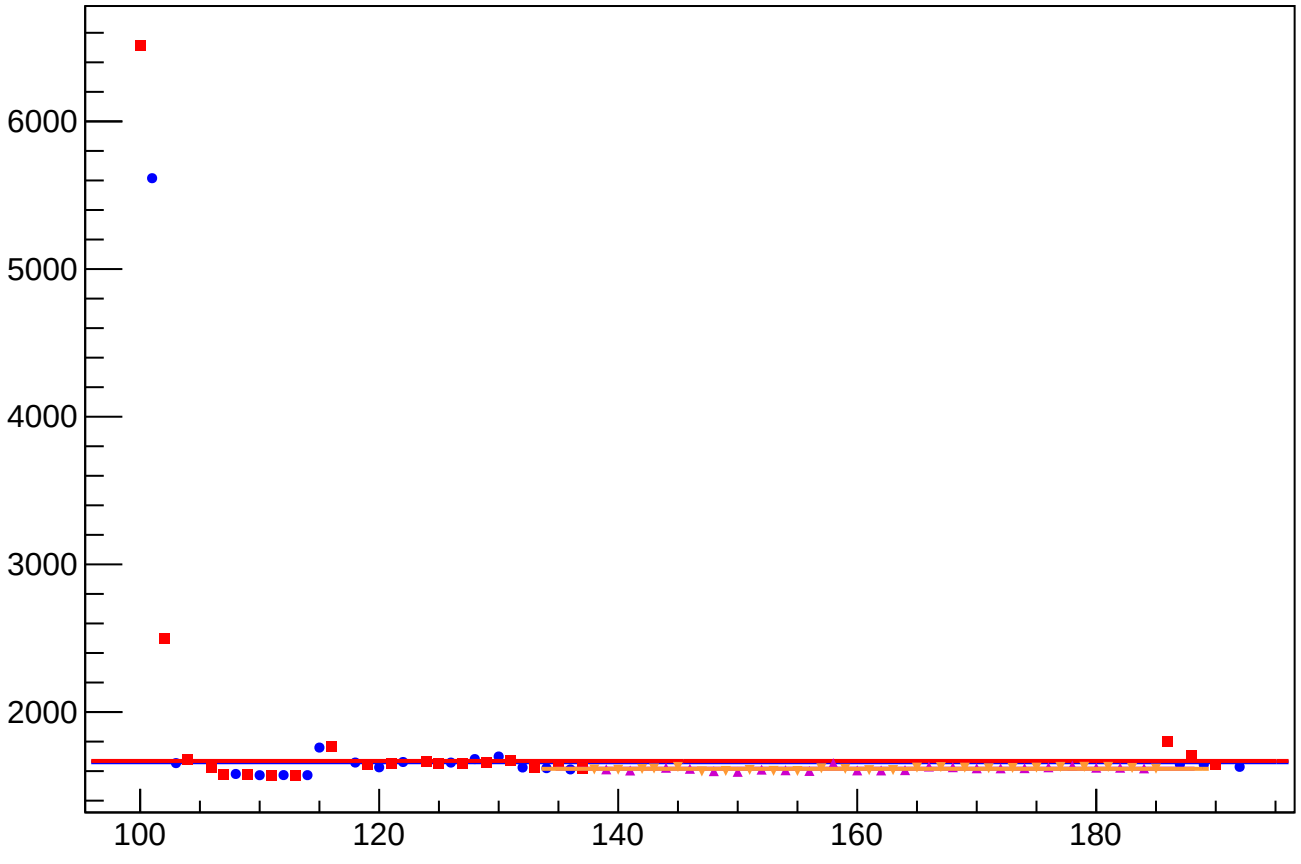
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2301.429+/-397.689 χ^2/NDF: 29.2/40

In: 2376.951+/-314.007 χ^2/NDF:49.6/41

Out: 2291.584+/-306.761 χ^2/NDF:41.8/46

All: 2333.271+/-219.430 χ^2/NDF: 91.5/88



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: 1668.969+/-0.395 χ^2/NDF: 199157.8/21

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

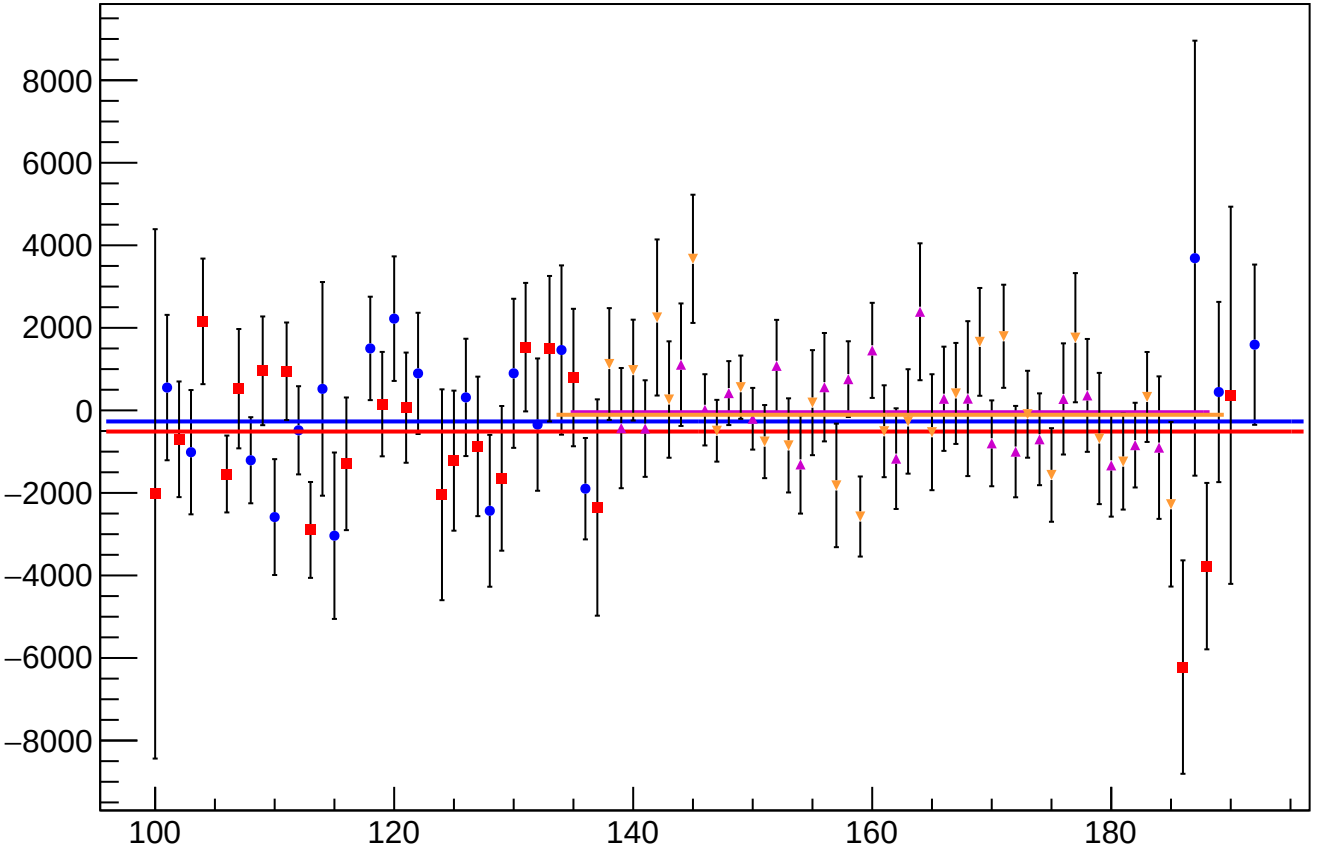
Right: 1664.602+/-0.281 χ^2/NDF: 863361.1/40

In: 1629.827+/-0.222 χ^2/NDF:674788.7/41

Out: 1631.703+/-0.217 χ^2/NDF:213332.8/46

All: 1630.787+/-0.155 χ^2/NDF: 888158.0/88

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -512.869+/-332.183 χ^2/NDF: 25.2/21

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

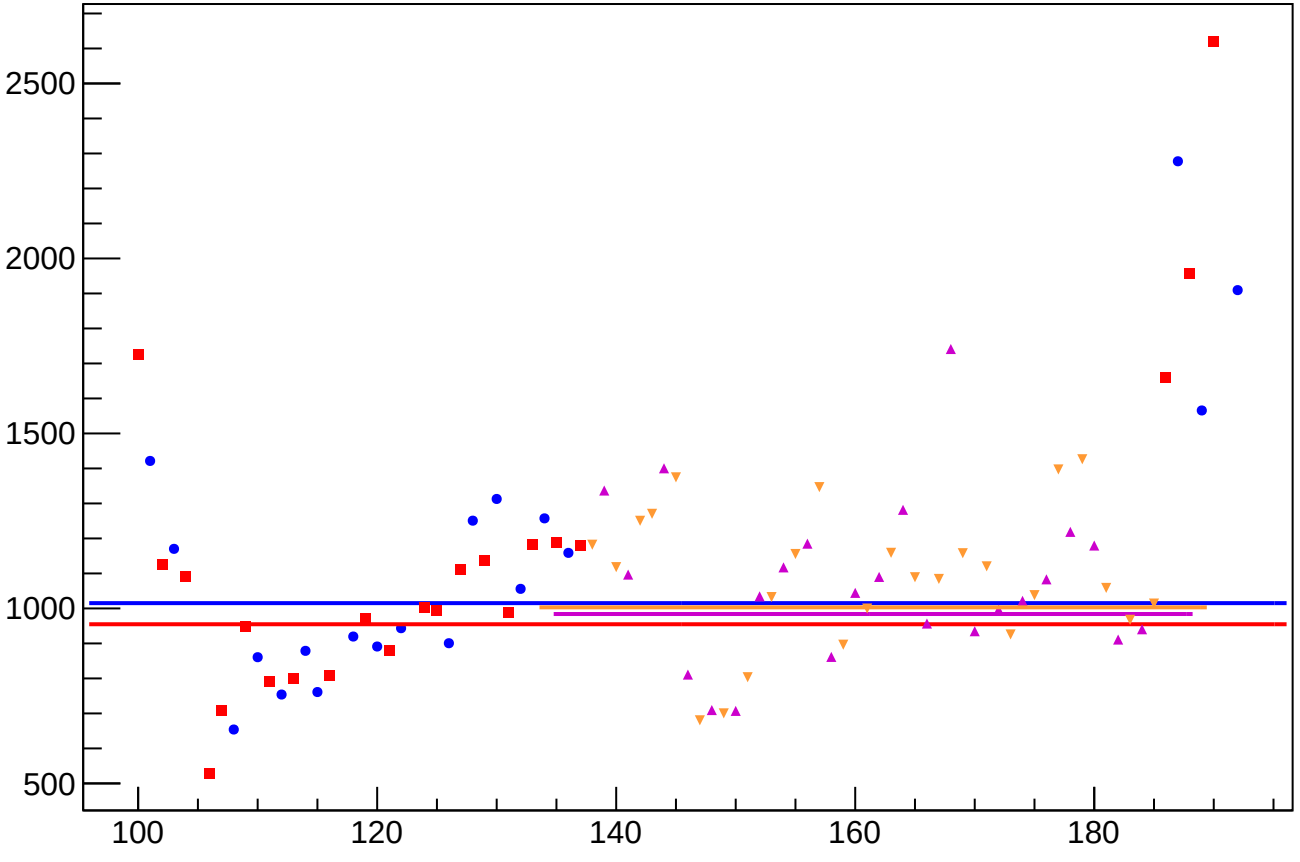
Right: -398.962+/-242.822 χ^2/NDF: 42.9/40

In: -112.724+/-196.522 χ^2/NDF:30.5/41

Out: -241.401+/-191.469 χ^2/NDF:55.2/46

All: -178.738+/-137.140 χ^2/NDF: 85.9/88

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: 954.817+/-0.235 χ^2/NDF: 1688007.4/21

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

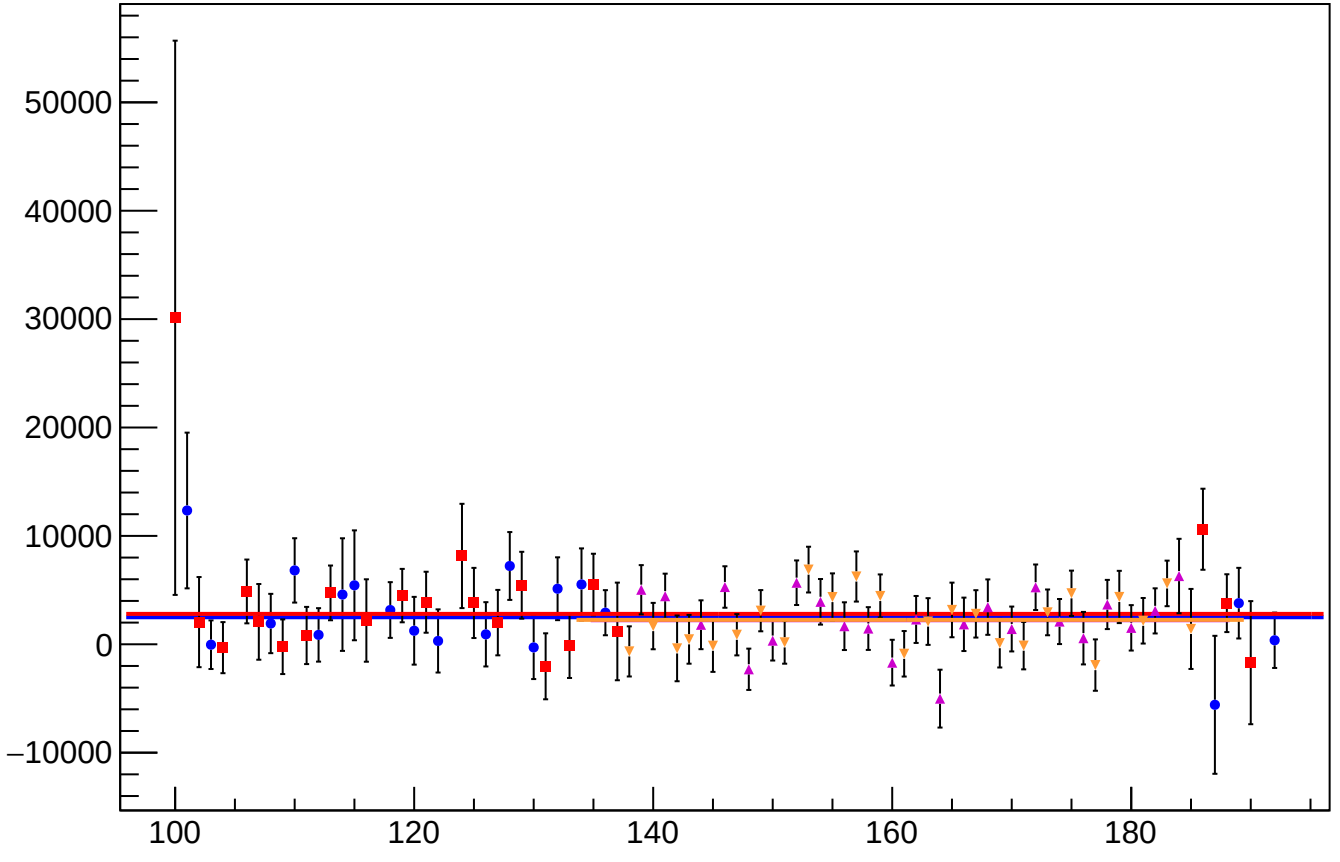
Right: 982.907+/-0.172 χ^2/NDF: 3119800.4/40

In: 993.537+/-0.139 χ^2/NDF:2971251.8/41

Out: 987.061+/-0.135 χ^2/NDF:3314643.9/46

All: 990.215+/-0.097 χ^2/NDF: 6287009.8/88

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



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: 2804.064+/-667.147 χ^2/NDF: 18.5/21

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

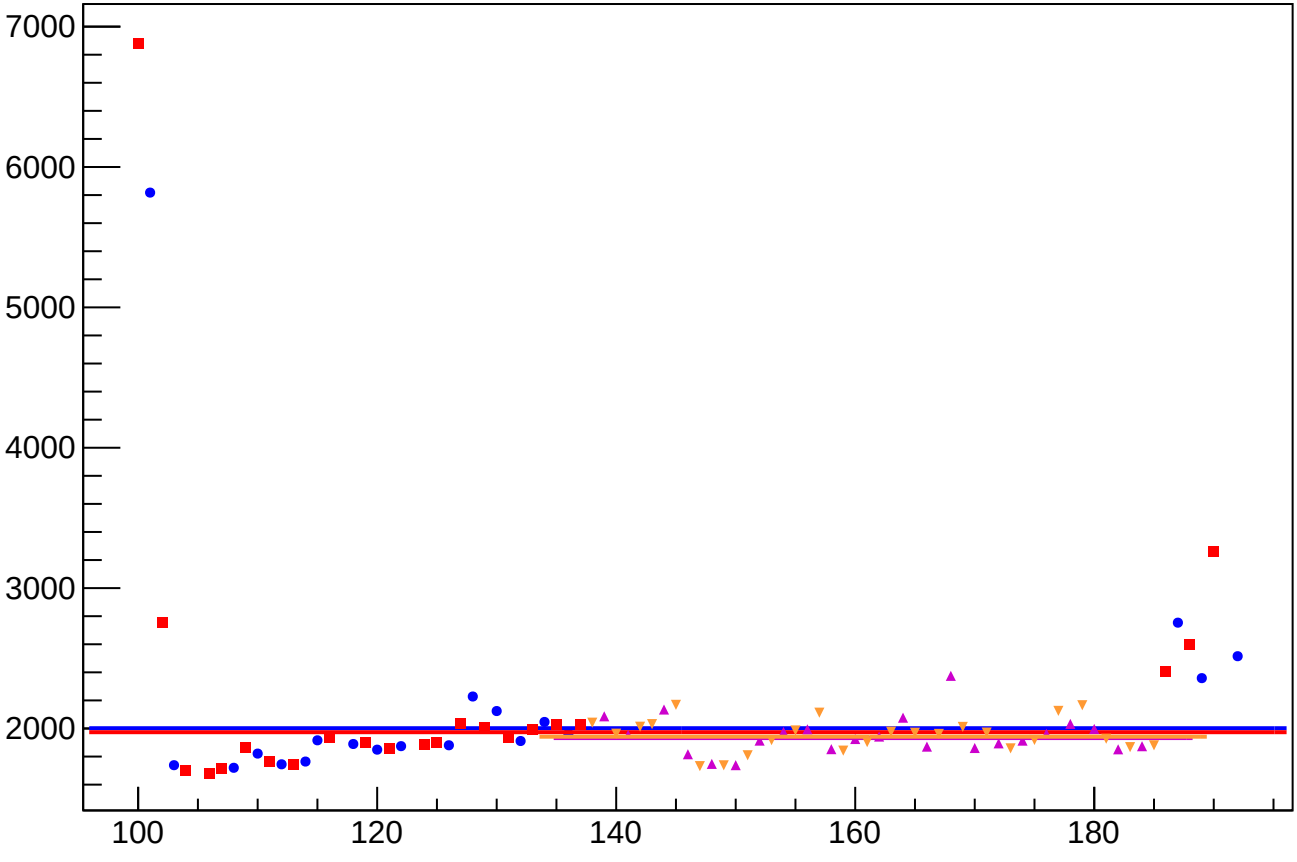
Right: 2653.358+/-478.387 χ^2/NDF: 33.3/40

In: 2302.498+/-377.660 χ^2/NDF:46.3/41

Out: 2420.779+/-368.593 χ^2/NDF:47.3/46

All: 2363.076+/-263.782 χ^2/NDF: 93.7/88

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: 1973.565+/-0.472 χ^2/NDF: 485273.2/21

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

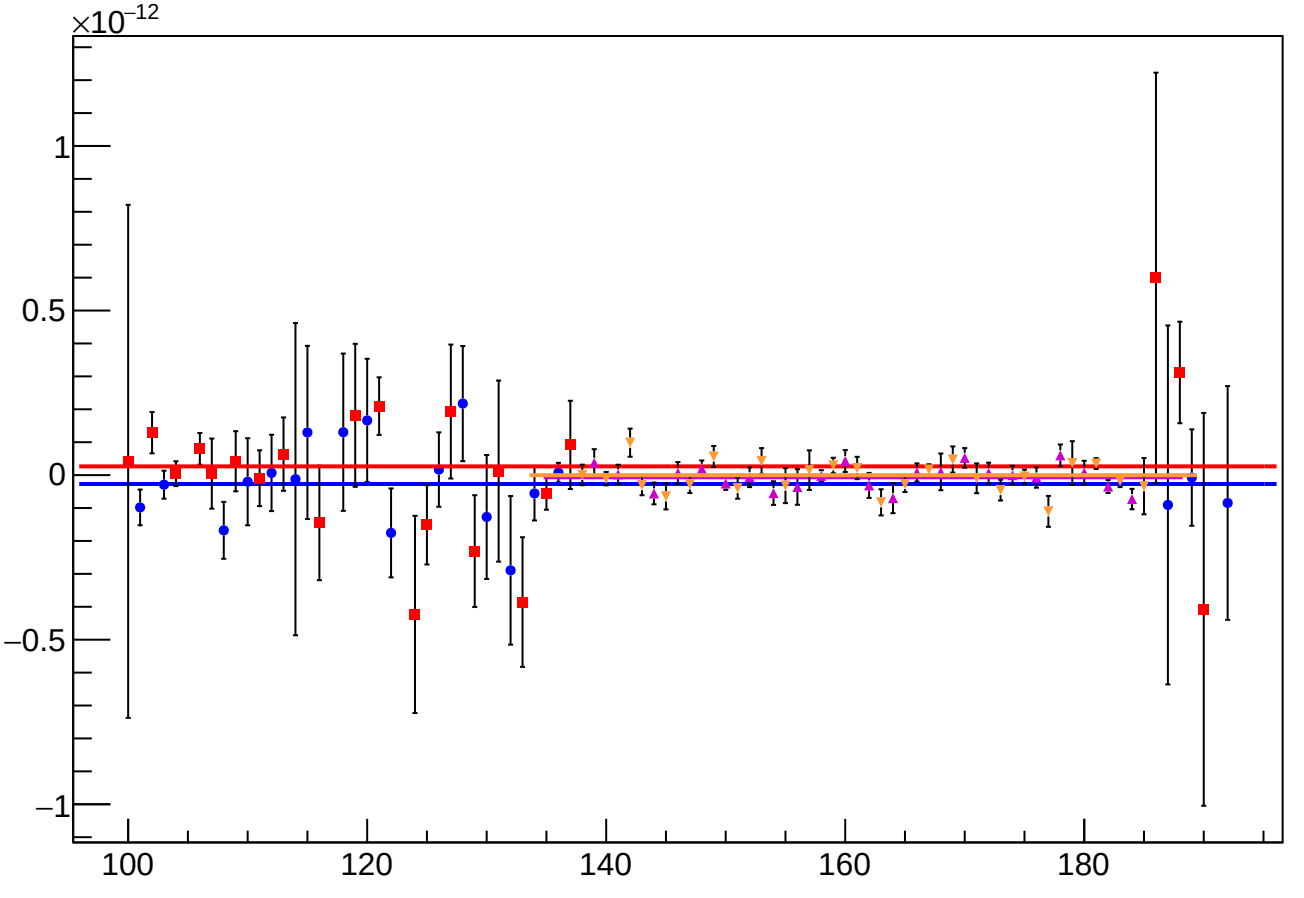
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 1987.350+/-0.338 χ^2/NDF: 1299345.7/40

In: 1953.045+/-0.267 χ^2/NDF:986749.9/41

Out: 1951.345+/-0.261 χ^2/NDF:627477.8/46

All: 1952.175+/-0.187 χ^2/NDF: 1614248.5/88



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: 30.3/21

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

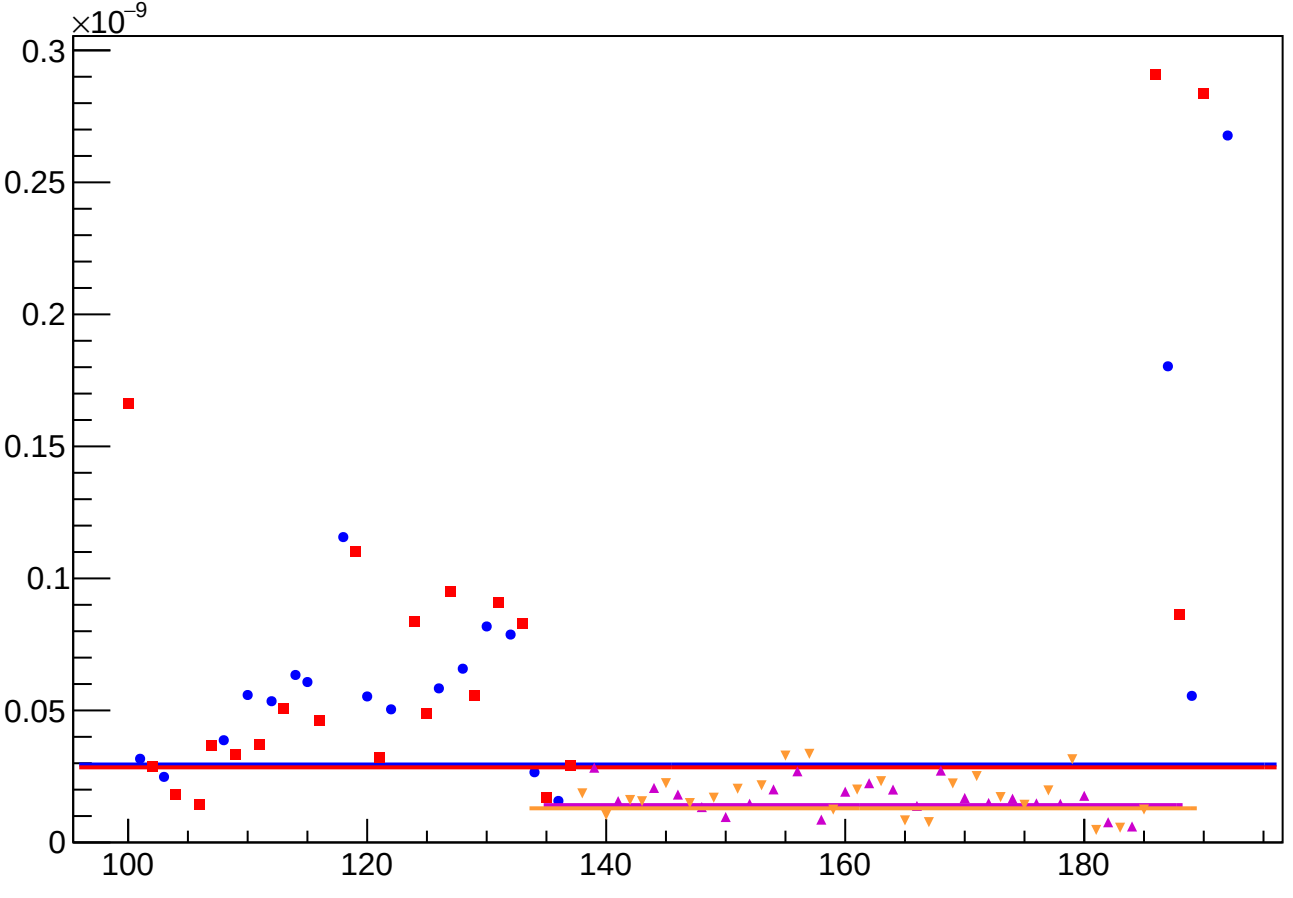
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: -0.000+/-0.000 χ^2/NDF: 47.0/40

In: -0.000+/-0.000 χ^2/NDF:41.4/41

Out: 0.000+/-0.000 χ^2/NDF:72.4/46

All: -0.000+/-0.000 χ^2/NDF: 115.4/88



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: 2568861.2/21

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

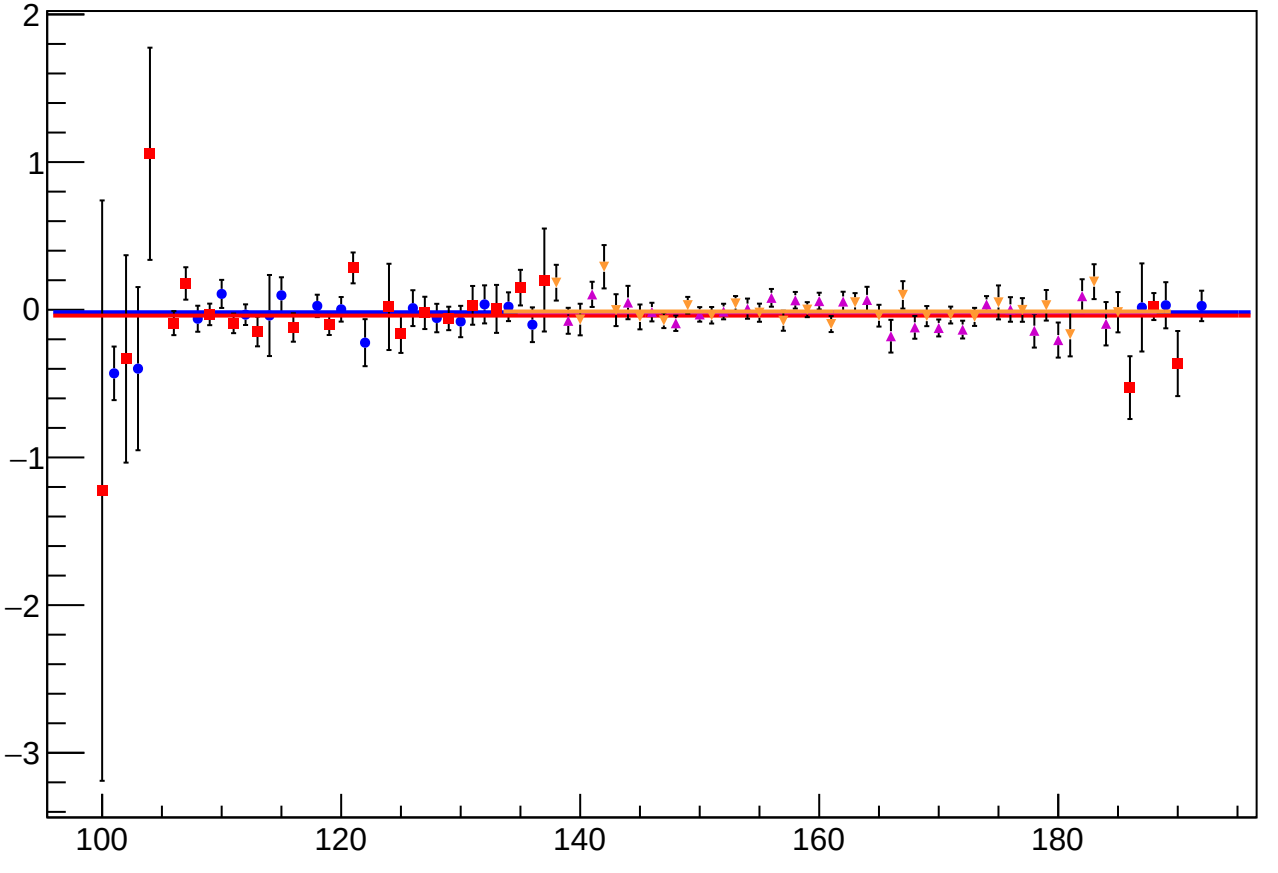
Right: 0.000+/-0.000 χ^2/NDF: 5187972.7/40

In: 0.000+/-0.000 χ^2/NDF:5330597.3/41

Out: 0.000+/-0.000 χ^2/NDF:6596267.0/46

All: 0.000+/-0.000 χ^2/NDF: 11989554.3/88

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: -0.039+/-0.023 χ^2/NDF: 32.3/21

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

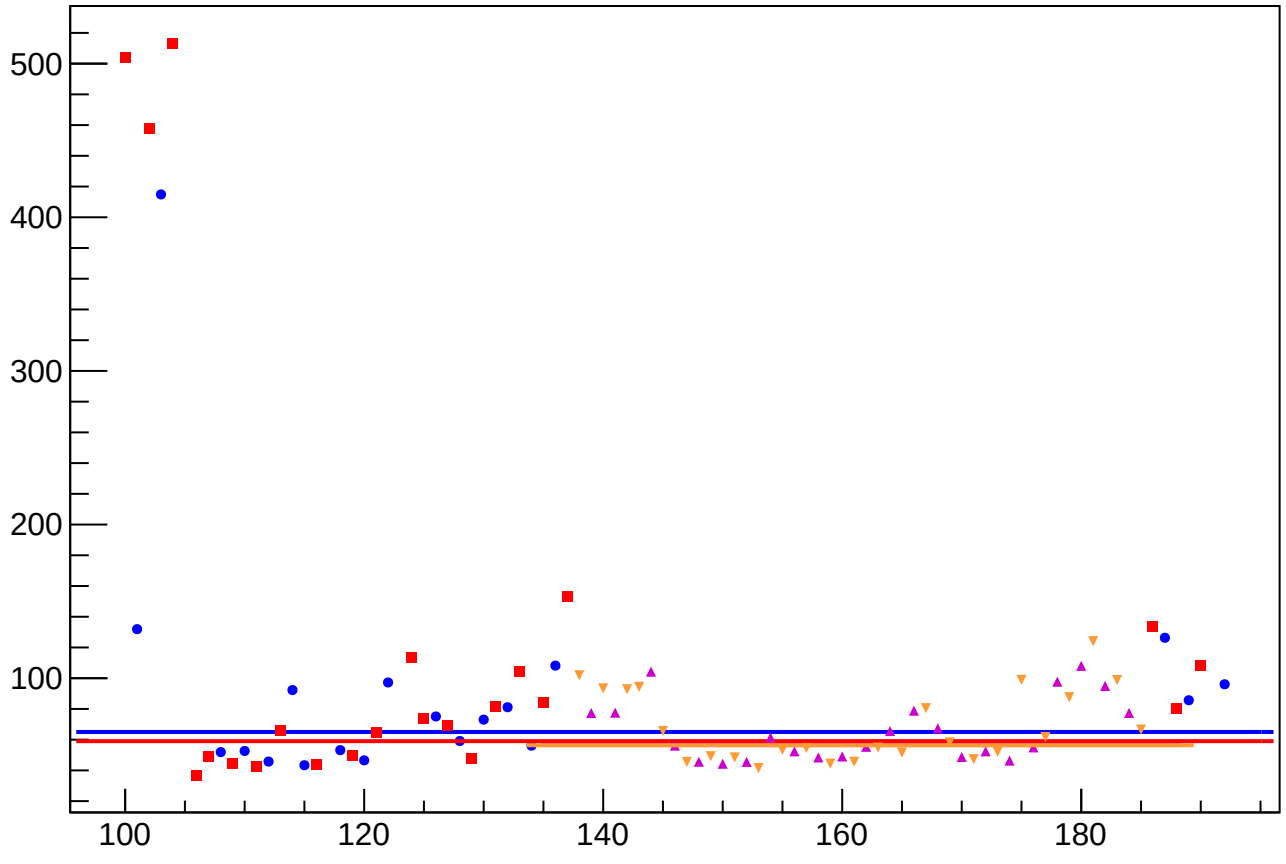
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.029+/-0.017 χ^2/NDF: 45.1/40

In: -0.017+/-0.013 χ^2/NDF:42.9/41

Out: -0.019+/-0.012 χ^2/NDF:55.1/46

All: -0.018+/-0.009 χ^2/NDF: 98.1/88



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: 59.035+/-0.017 χ^2/NDF: 3080248.5/21

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

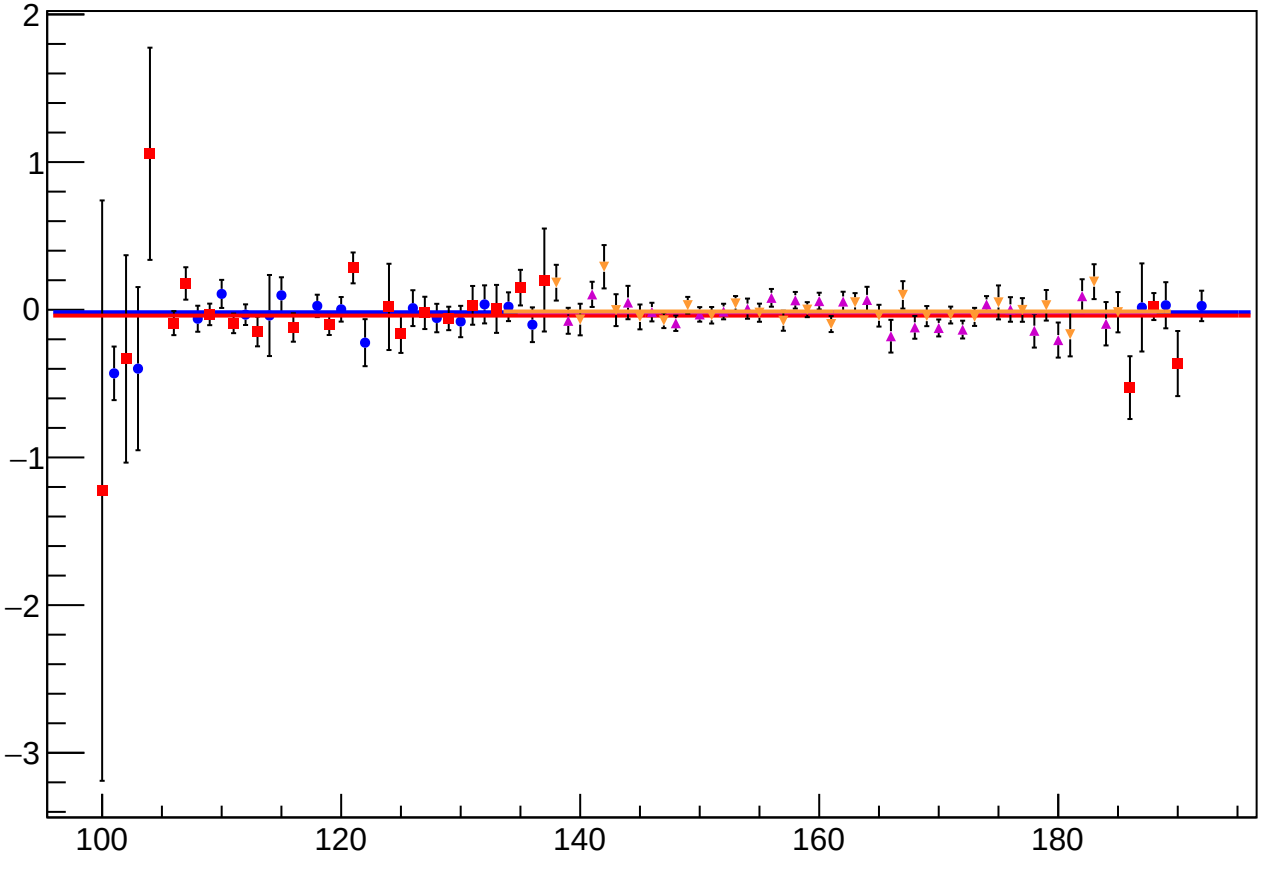
Right: 61.802+/-0.012 χ^2/NDF: 5406807.7/40

In: 58.580+/-0.009 χ^2/NDF:4578655.3/41

Out: 57.096+/-0.009 χ^2/NDF:5896310.5/46

All: 57.817+/-0.006 χ^2/NDF: 10489297.9/88

asym_usr_atr1_avg_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: -0.039+/-0.023 χ^2/NDF: 32.3/21

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

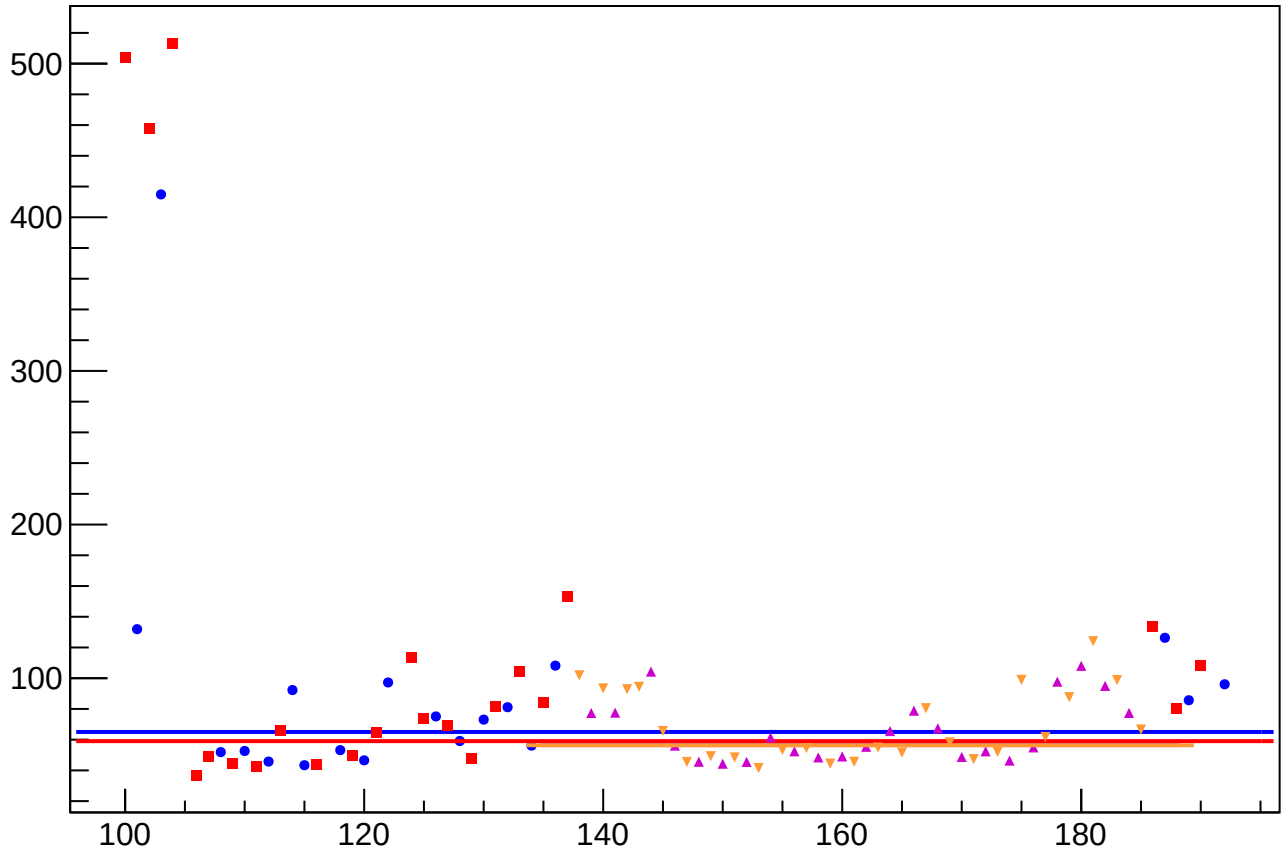
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.029+/-0.017 χ^2/NDF: 45.1/40

In: -0.017+/-0.013 χ^2/NDF:42.9/41

Out: -0.019+/-0.012 χ^2/NDF:55.1/46

All: -0.018+/-0.009 χ^2/NDF: 98.1/88



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: 59.035+/-0.017 χ^2/NDF: 3080248.5/21

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

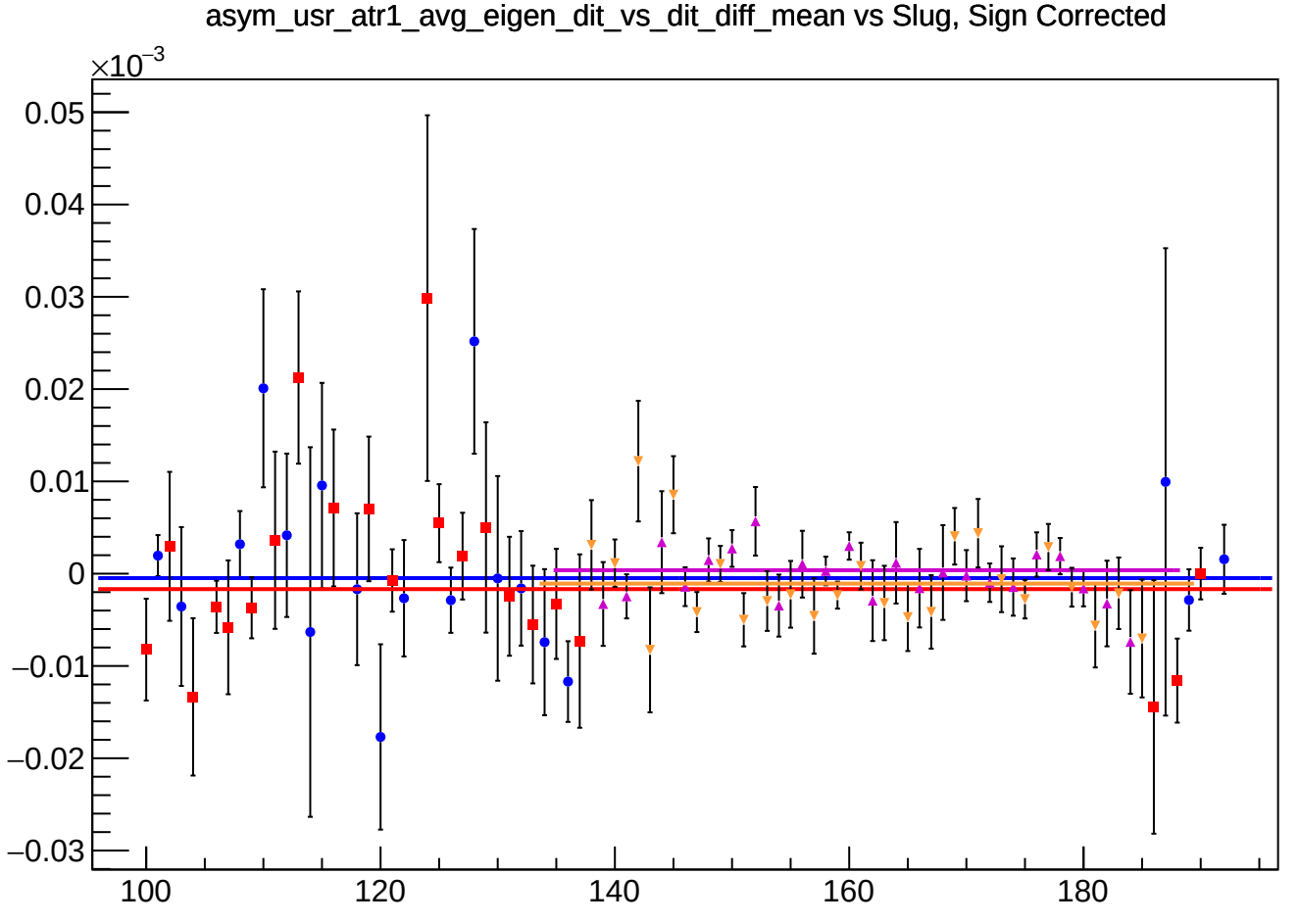
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 61.802+/-0.012 χ^2/NDF: 5406807.7/40

In: 58.580+/-0.009 χ^2/NDF:4578655.3/41

Out: 57.096+/-0.009 χ^2/NDF:5896310.5/46

All: 57.817+/-0.006 χ^2/NDF: 10489297.9/88



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: 26.6/21

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

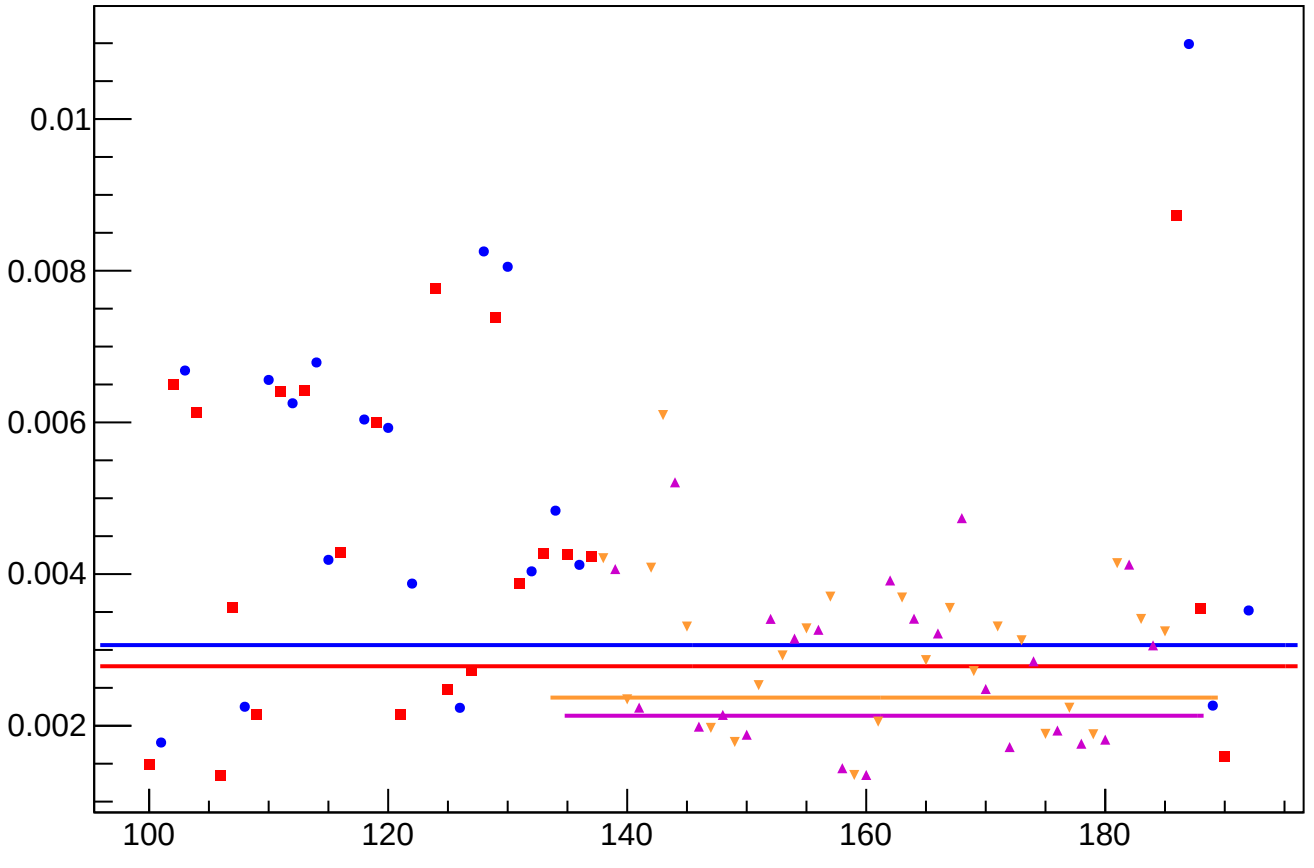
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

Right: -0.000+/-0.000 χ^2/NDF: 50.7/40

In: 0.000+/-0.000 χ^2/NDF:41.5/41

Out: -0.000+/-0.000 χ^2/NDF:58.4/46

All: -0.000+/-0.000 χ^2/NDF: 103.9/88



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: 4110061.6/21

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

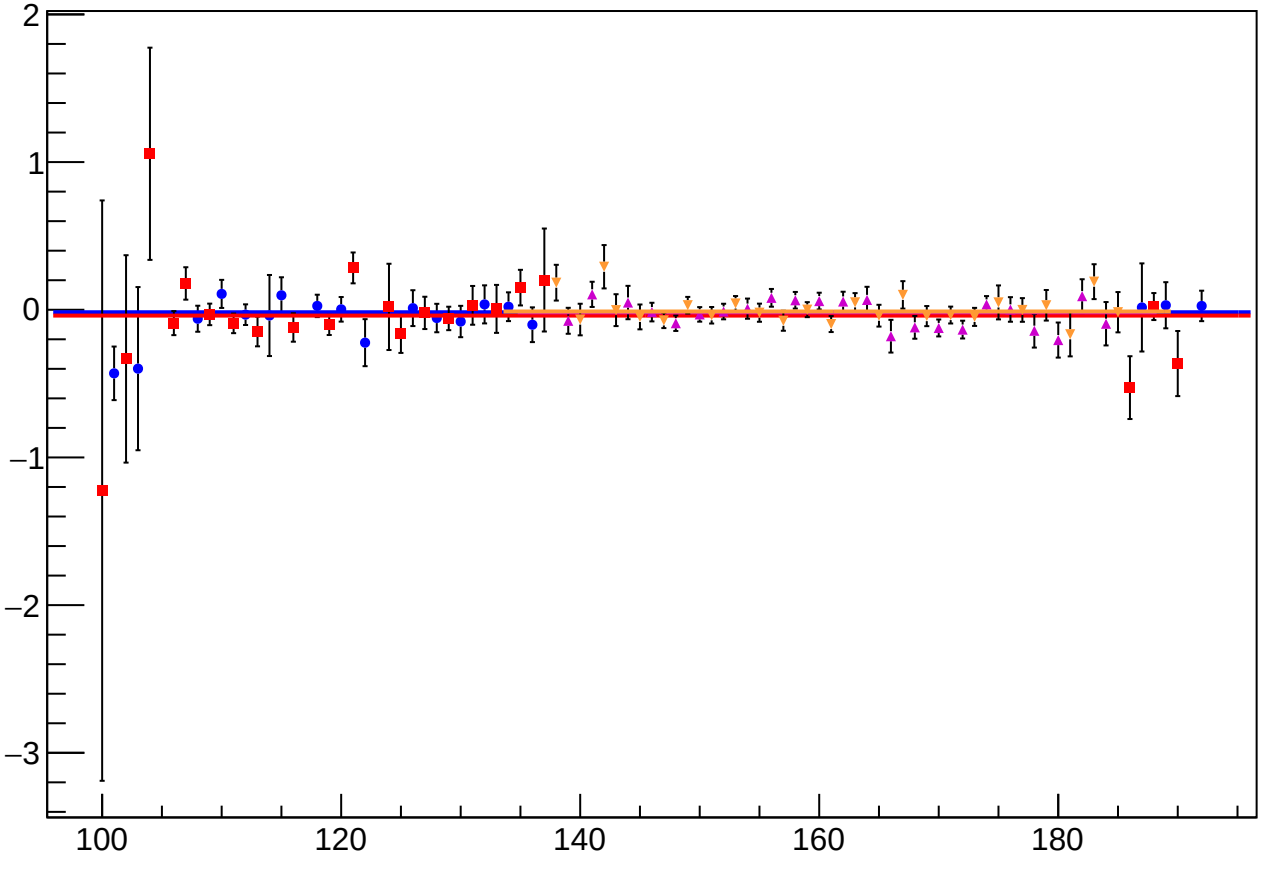
Right: 0.003+/-0.000 χ^2/NDF: 7797396.9/40

In: 0.002+/-0.000 χ^2/NDF:9191545.1/41

Out: 0.002+/-0.000 χ^2/NDF:8490251.9/46

All: 0.002+/-0.000 χ^2/NDF: 17792522.6/88

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: -0.039+/-0.023 χ^2/NDF: 32.3/21

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

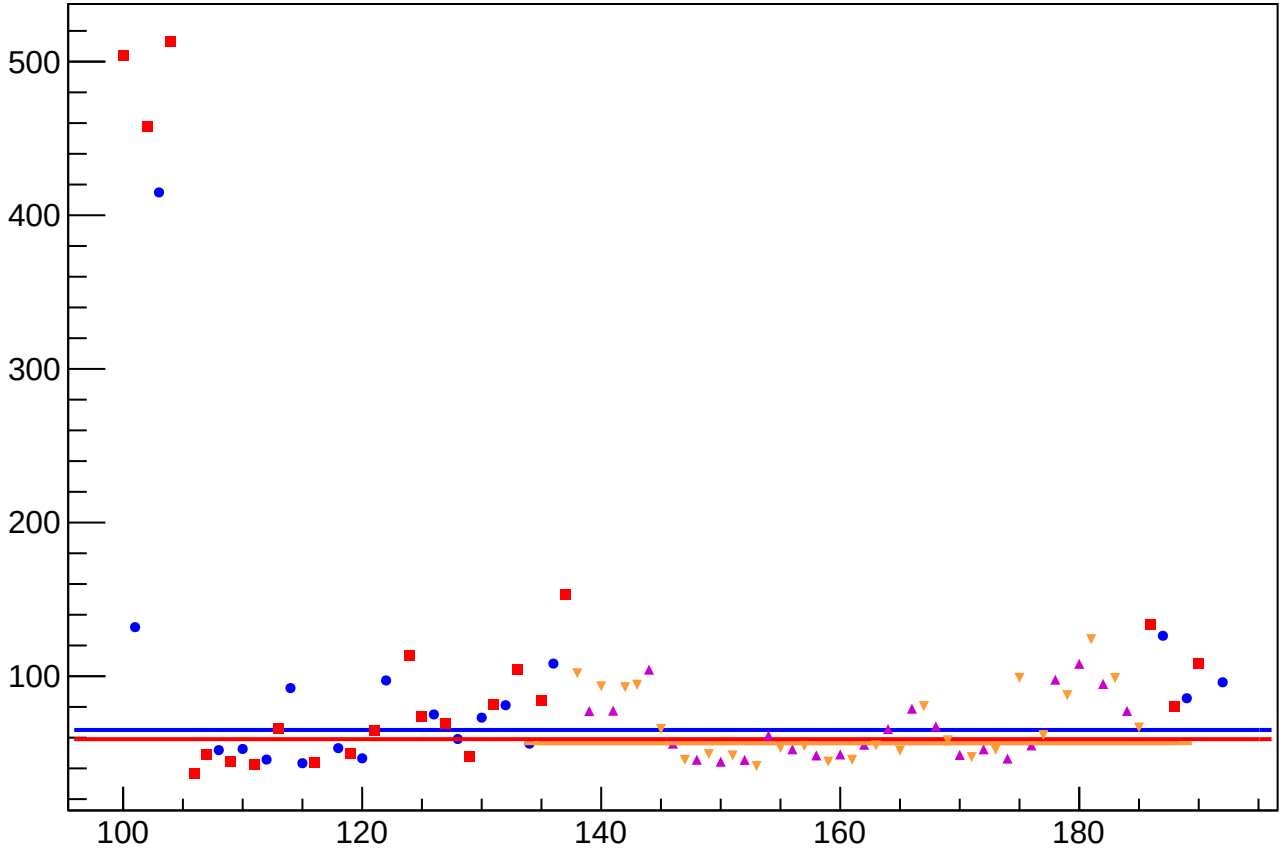
Right: -0.029+/-0.017 χ^2/NDF: 45.1/40

In: -0.017+/-0.013 χ^2/NDF:42.9/41

Out: -0.019+/-0.012 χ^2/NDF:55.1/46

All: -0.018+/-0.009 χ^2/NDF: 98.1/88

asym_usr_atr1_avg_eigen_dit_vs_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: 59.034+/-0.017 χ^2/NDF: 3080247.0/21

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

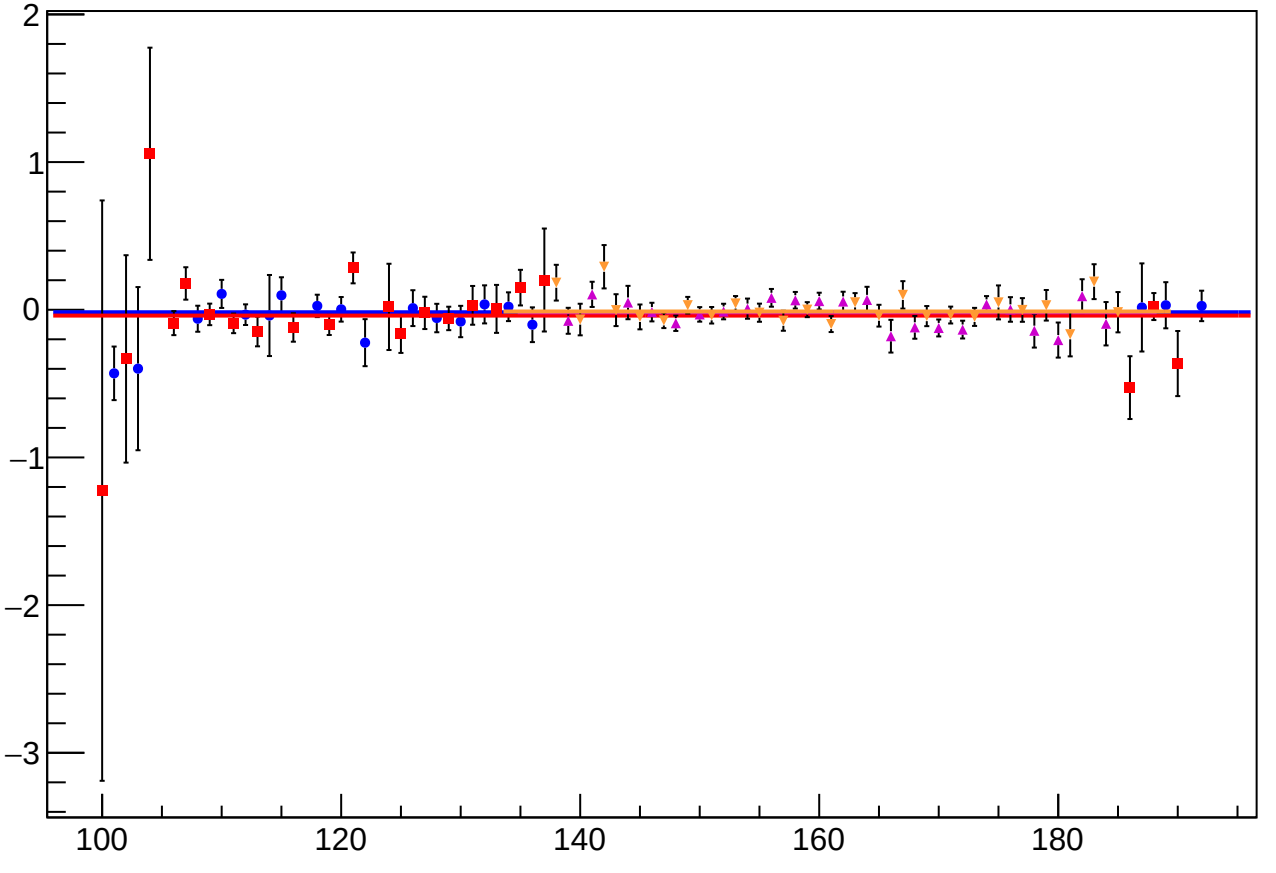
Right: 61.802+/-0.012 χ^2/NDF: 5406781.5/40

In: 58.580+/-0.009 χ^2/NDF:4578581.7/41

Out: 57.096+/-0.009 χ^2/NDF:5896370.1/46

All: 57.817+/-0.006 χ^2/NDF: 10489284.5/88

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: -0.039+/-0.023 χ^2/NDF: 32.3/21

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

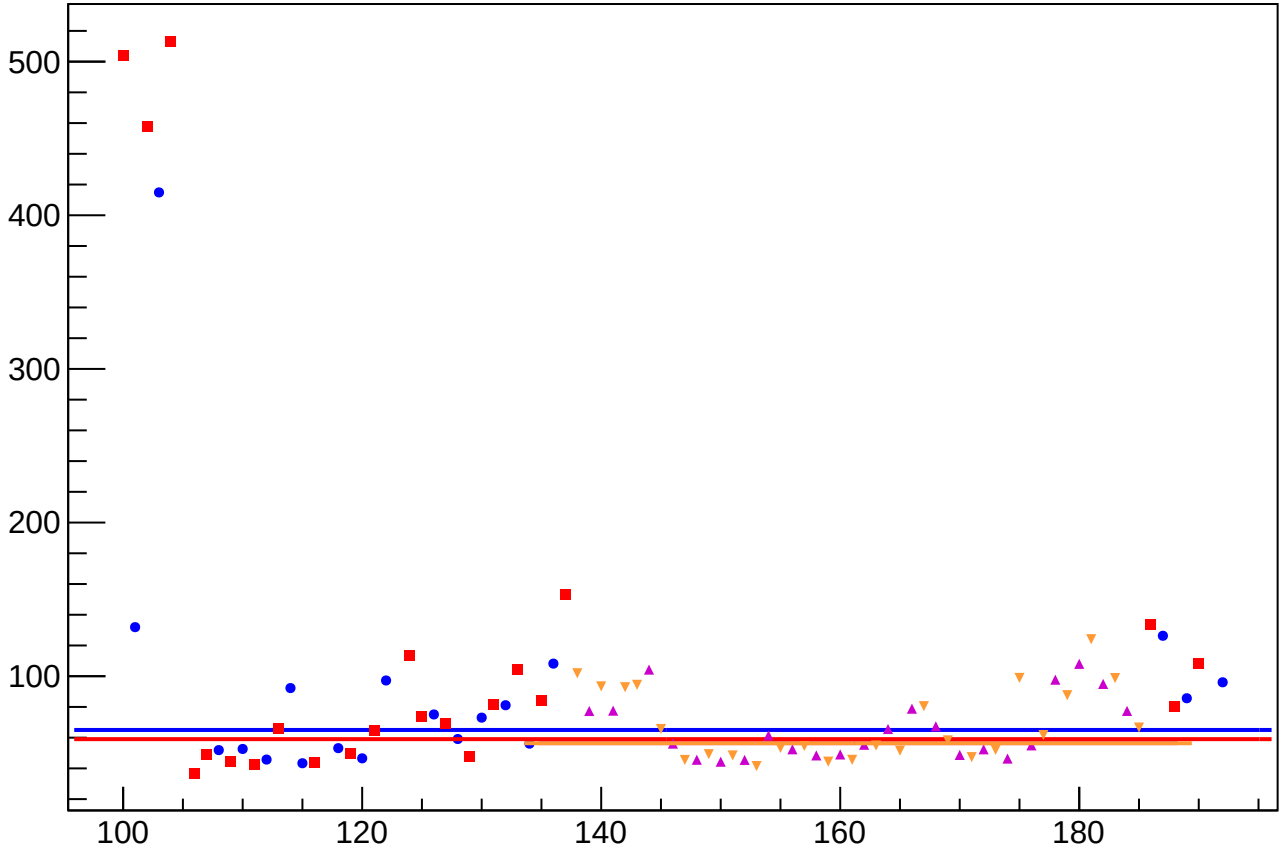
Right: -0.029+/-0.017 χ^2/NDF: 45.1/40

In: -0.017+/-0.013 χ^2/NDF:42.9/41

Out: -0.019+/-0.012 χ^2/NDF:55.1/46

All: -0.018+/-0.009 χ^2/NDF: 98.1/88

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: 59.034+/-0.017 χ^2/NDF: 3080247.0/21

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

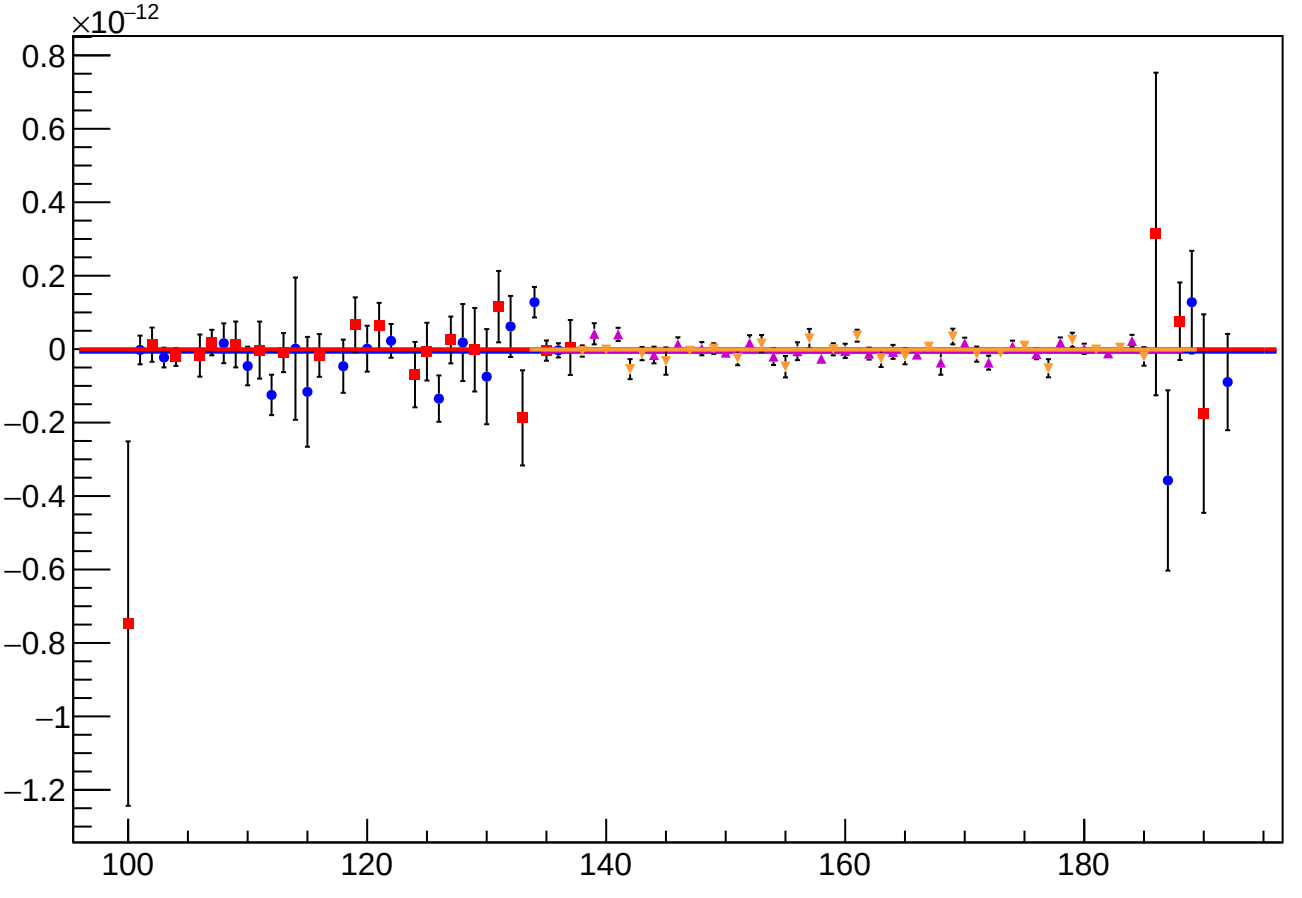
Right: 61.802+/-0.012 χ^2/NDF: 5406781.5/40

In: 58.580+/-0.009 χ^2/NDF:4578581.7/41

Out: 57.096+/-0.009 χ^2/NDF:5896370.1/46

All: 57.817+/-0.006 χ^2/NDF: 10489284.5/88

asym_usr_atr1_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:29.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 11.2/21

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

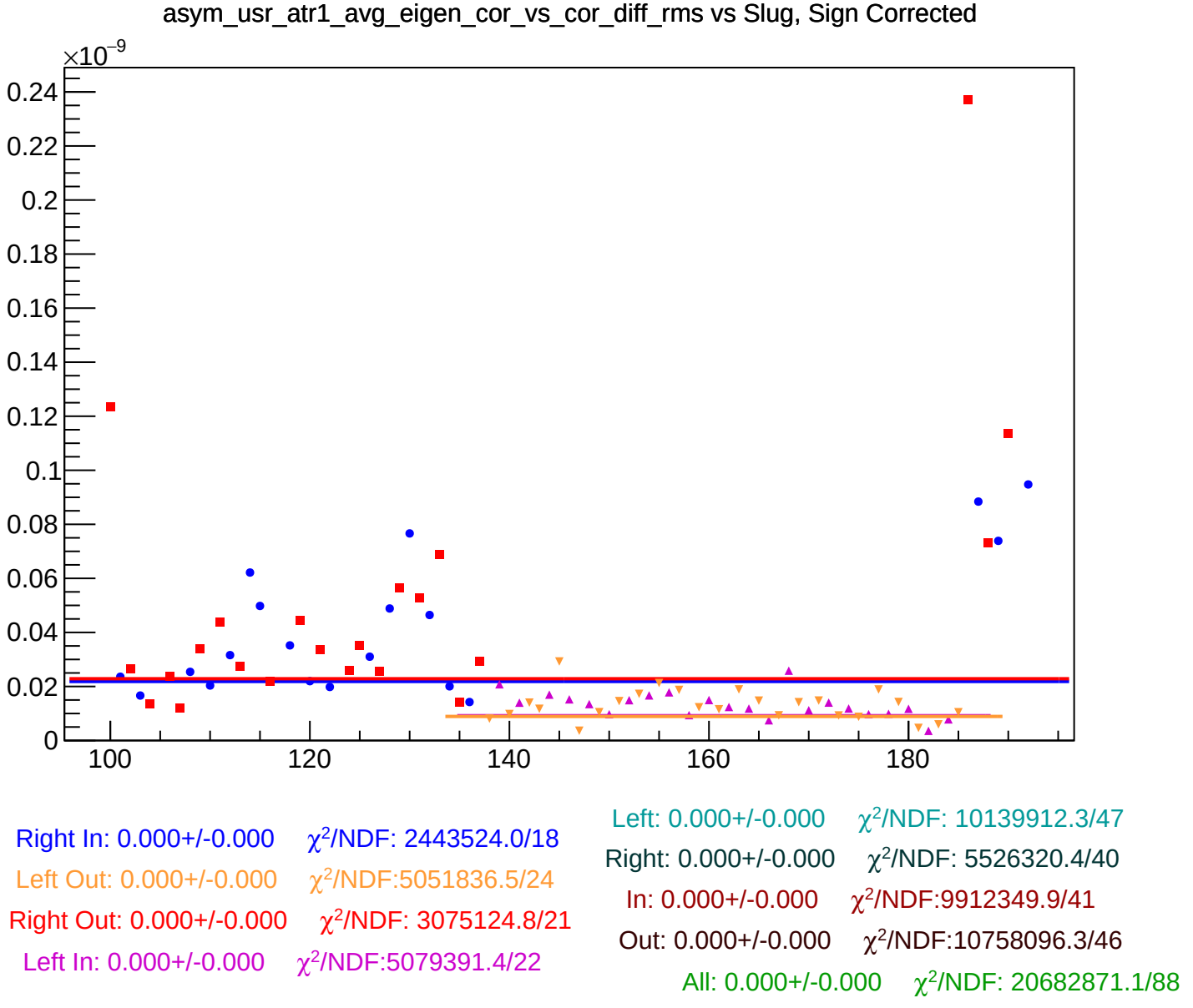
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

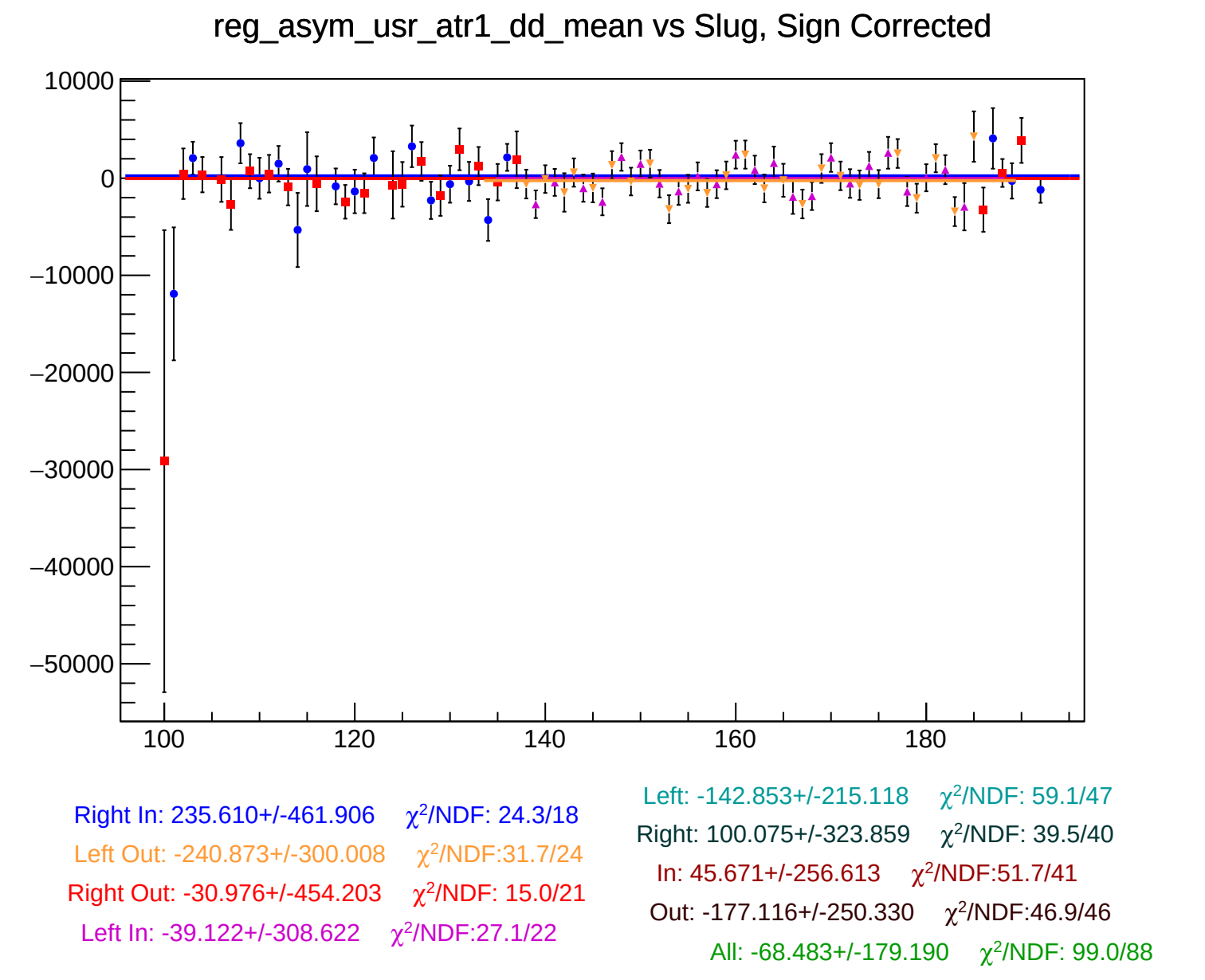
Right: -0.000+/-0.000 χ^2/NDF: 37.3/40

In: -0.000+/-0.000 χ^2/NDF:54.4/41

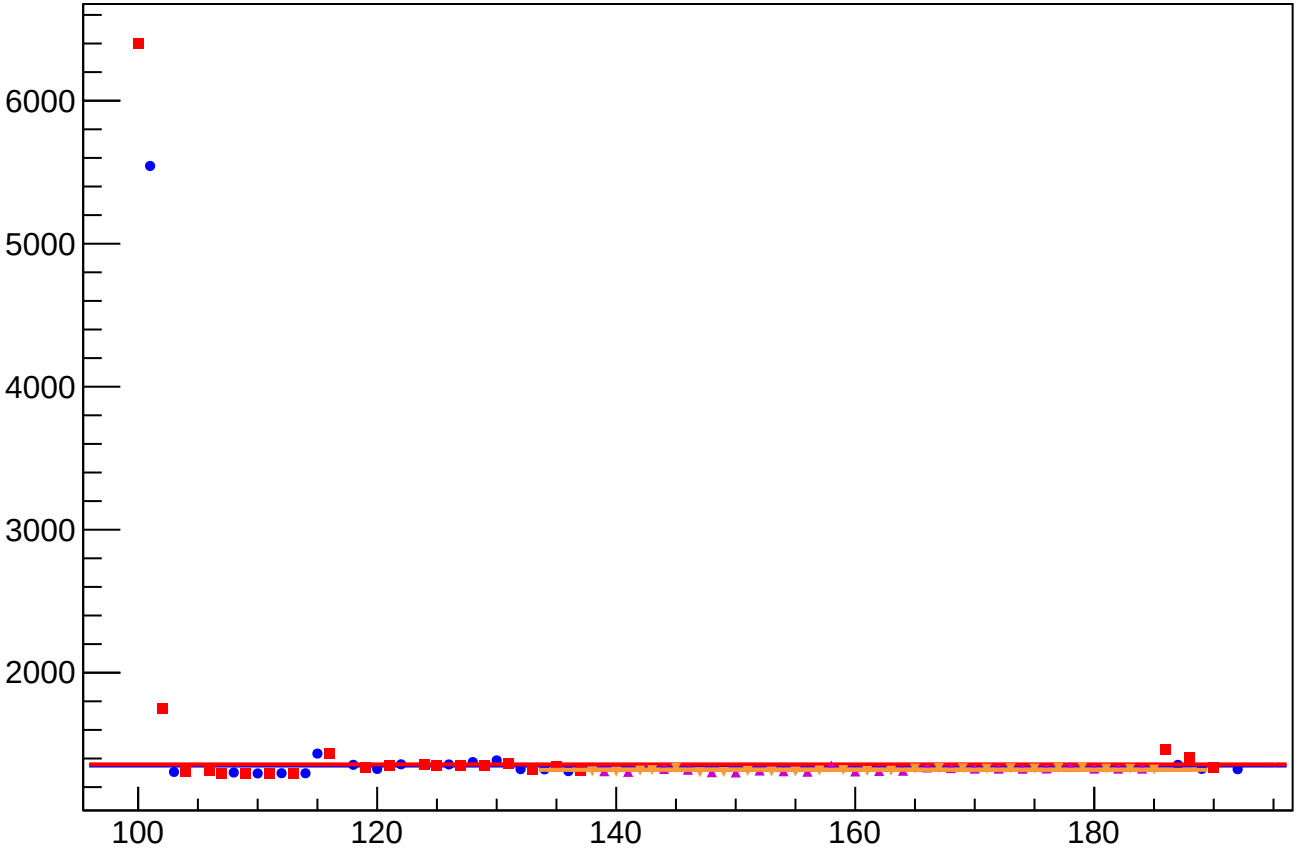
Out: -0.000+/-0.000 χ^2/NDF:40.8/46

All: -0.000+/-0.000 χ^2/NDF: 96.1/88


asym_usr_atr1_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: 2443524.0/18
Left Out: 0.000+/-0.000 χ²/NDF:5051836.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3075124.8/21
Left In: 0.000+/-0.000 χ²/NDF:5079391.4/22
Left: 0.000+/-0.000 χ²/NDF: 10139912.3/47
Right: 0.000+/-0.000 χ²/NDF: 5526320.4/40
In: 0.000+/-0.000 χ²/NDF:9912349.9/41
Out: 0.000+/-0.000 χ²/NDF:10758096.3/46
All: 0.000+/-0.000 χ²/NDF: 20682871.1/88


reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
Right In: 235.610+/-461.906 χ²/NDF: 24.3/18
Left Out: -240.873+/-300.008 χ²/NDF:31.7/24
Right Out: -30.976+/-454.203 χ²/NDF: 15.0/21
Left In: -39.122+/-308.622 χ²/NDF:27.1/22
Left: -142.853+/-215.118 χ²/NDF: 59.1/47
Right: 100.075+/-323.859 χ²/NDF: 39.5/40
In: 45.671+/-256.613 χ²/NDF:51.7/41
Out: -177.116+/-250.330 χ²/NDF:46.9/46
All: -68.483+/-179.190 χ²/NDF: 99.0/88

reg_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



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: 1358.854+/-0.321 χ^2/NDF: 154759.9/21

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

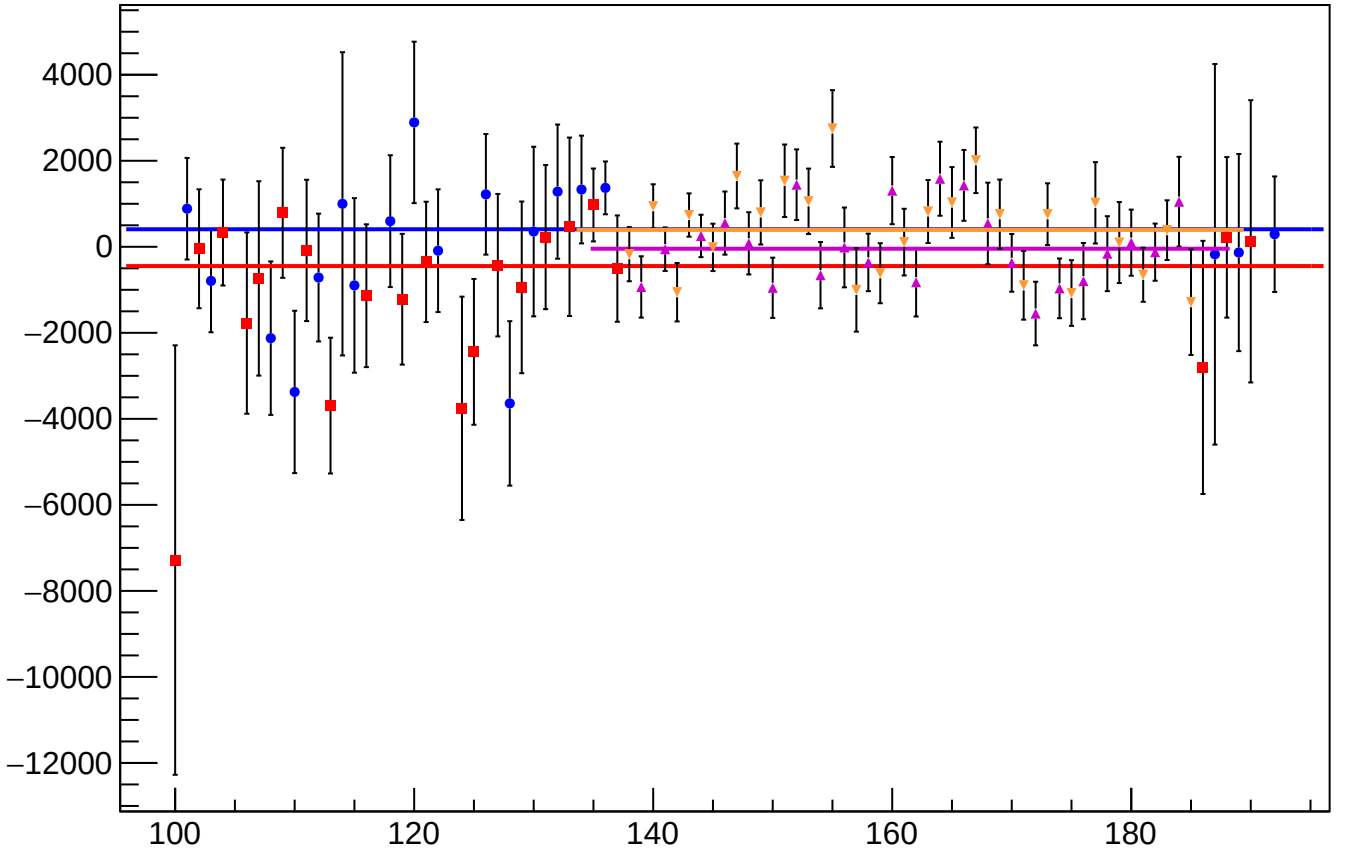
Right: 1354.913+/-0.229 χ^2/NDF: 916624.6/40

In: 1330.750+/-0.181 χ^2/NDF:770582.5/41

Out: 1332.317+/-0.177 χ^2/NDF:167167.2/46

All: 1331.553+/-0.127 χ^2/NDF: 937787.9/88

asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected



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: -447.965+/-344.955 χ^2/NDF: 15.2/21

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

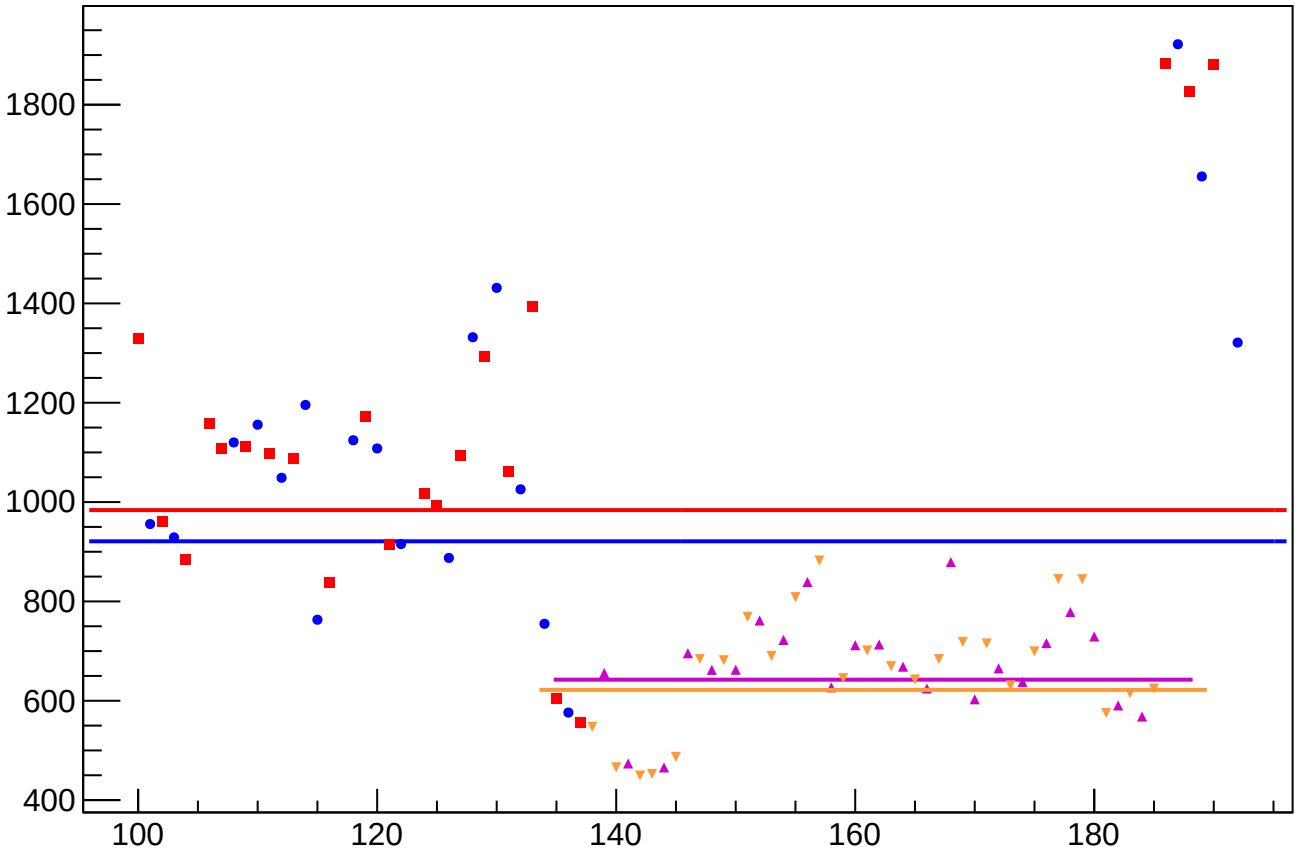
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: 6.713+/-236.167 χ^2/NDF: 36.8/40

In: 37.160+/-137.857 χ^2/NDF:47.5/41

Out: 268.689+/-133.327 χ^2/NDF:62.1/46

All: 156.791+/-95.838 χ^2/NDF: 111.1/88



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: 983.887+/-0.244 χ^2/NDF: 1650419.0/21

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

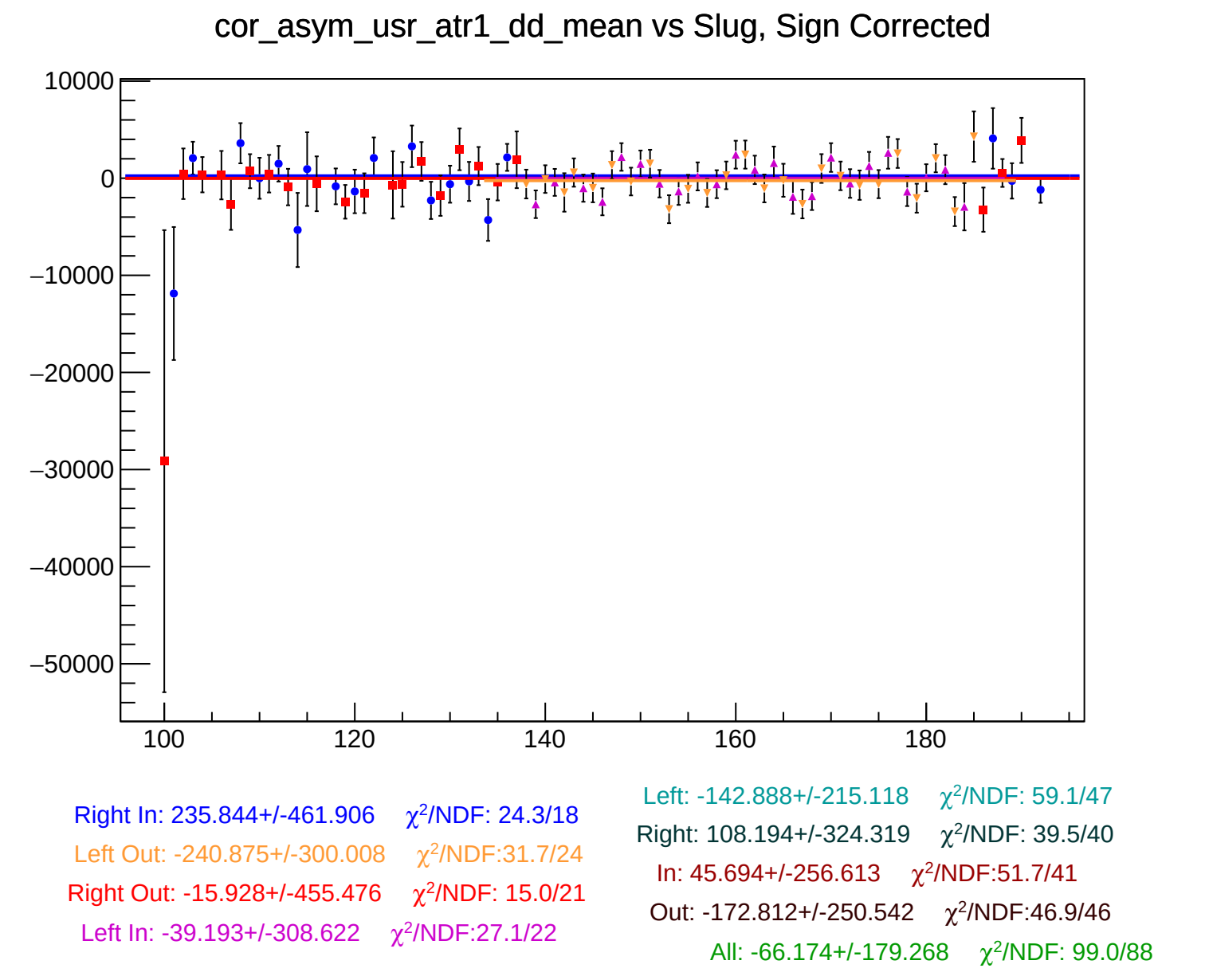
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 950.487+/-0.167 χ^2/NDF: 3224862.1/40

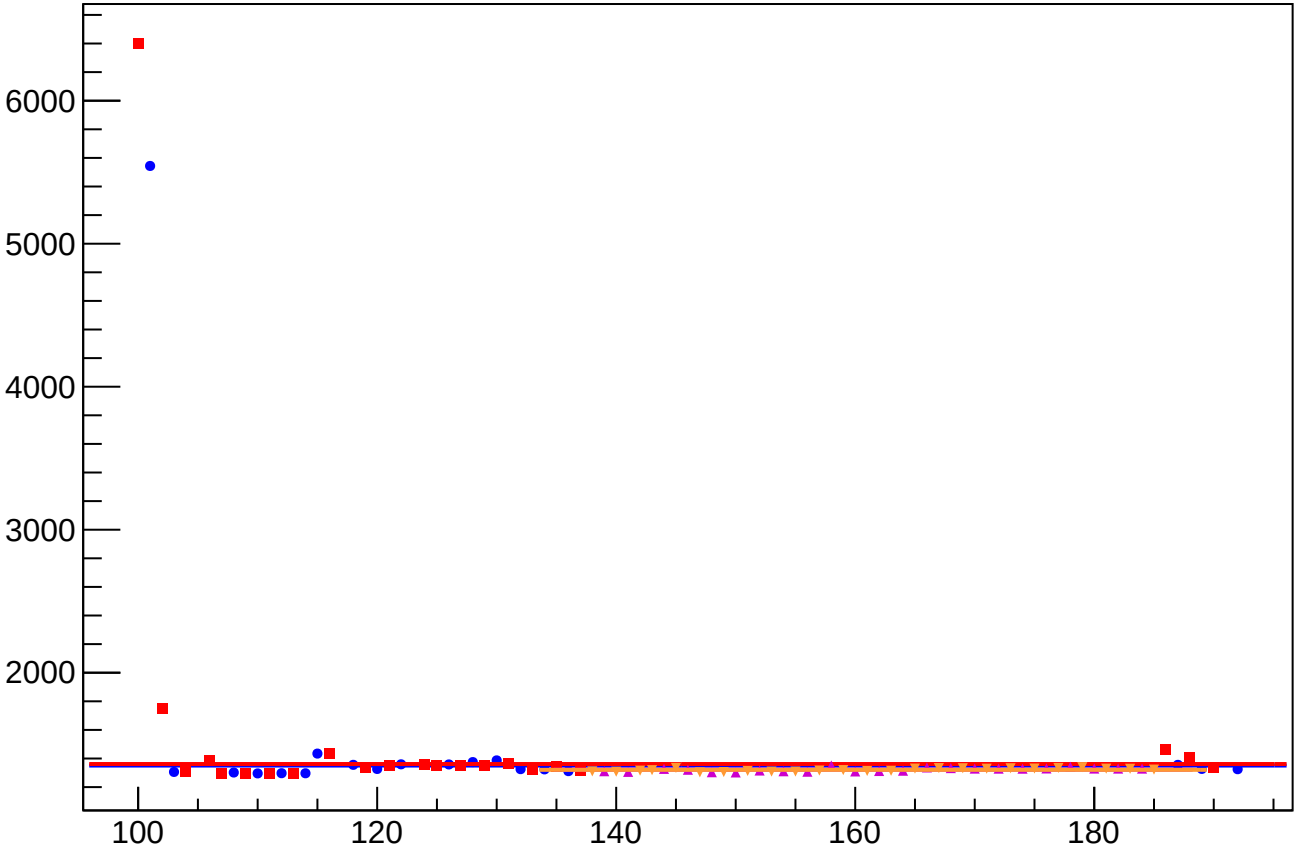
In: 692.895+/-0.097 χ^2/NDF:3676050.6/41

Out: 676.019+/-0.094 χ^2/NDF:4906733.8/46

All: 684.175+/-0.068 χ^2/NDF: 8598270.4/88


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
Right In: 235.844+/-461.906 χ²/NDF: 24.3/18
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -15.928+/-455.476 χ²/NDF: 15.0/21
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: 108.194+/-324.319 χ²/NDF: 39.5/40
In: 45.694+/-256.613 χ²/NDF:51.7/41
Out: -172.812+/-250.542 χ²/NDF:46.9/46
All: -66.174+/-179.268 χ²/NDF: 99.0/88

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: 1361.461+/-0.322 χ^2/NDF: 154340.4/21

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

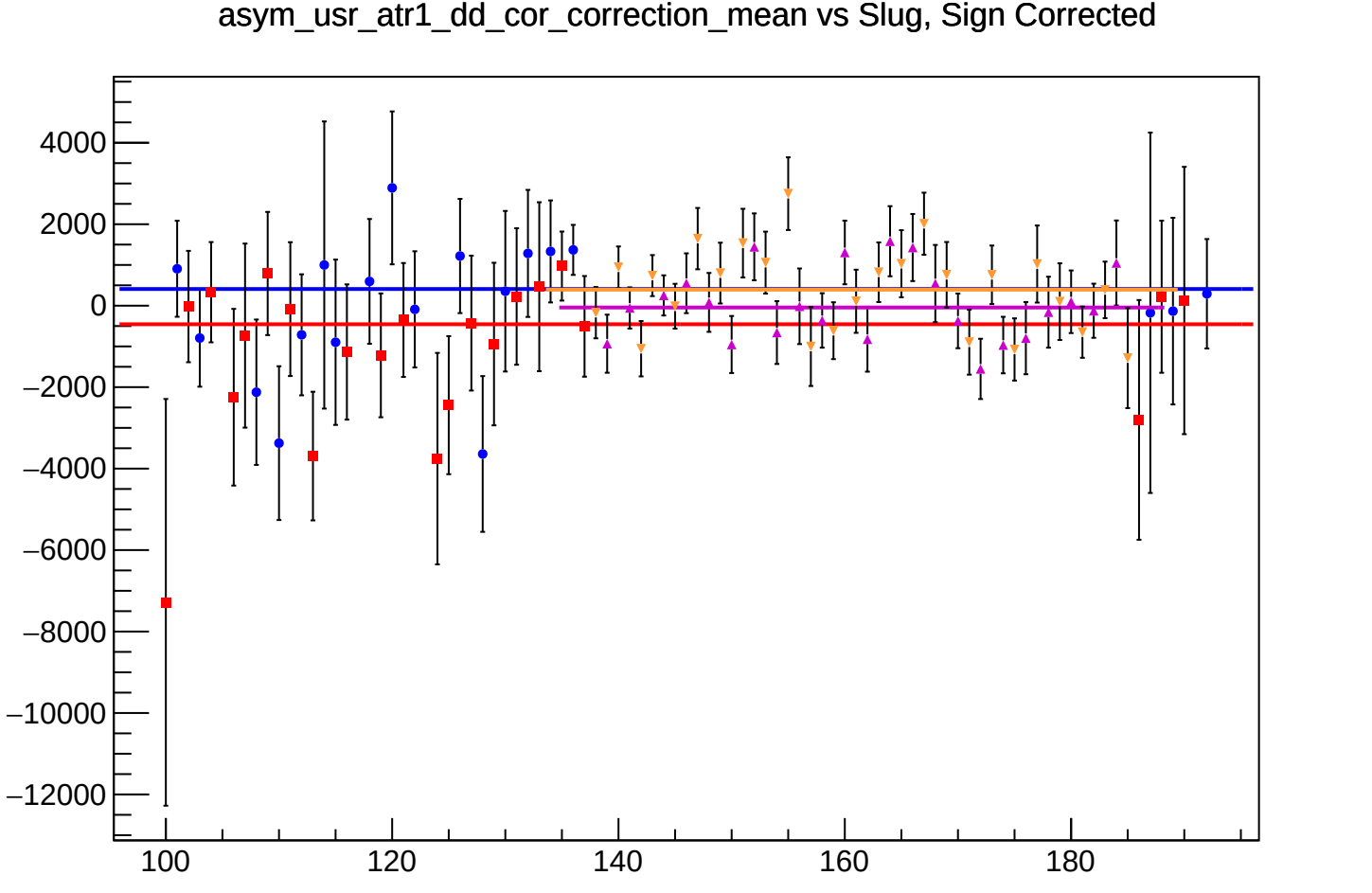
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1356.223+/-0.229 χ^2/NDF: 916434.3/40

In: 1330.750+/-0.181 χ^2/NDF:770581.5/41

Out: 1333.061+/-0.177 χ^2/NDF:168091.6/46

All: 1331.933+/-0.127 χ^2/NDF: 938756.2/88



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: -455.945+/-344.960 χ^2/NDF: 15.5/21

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

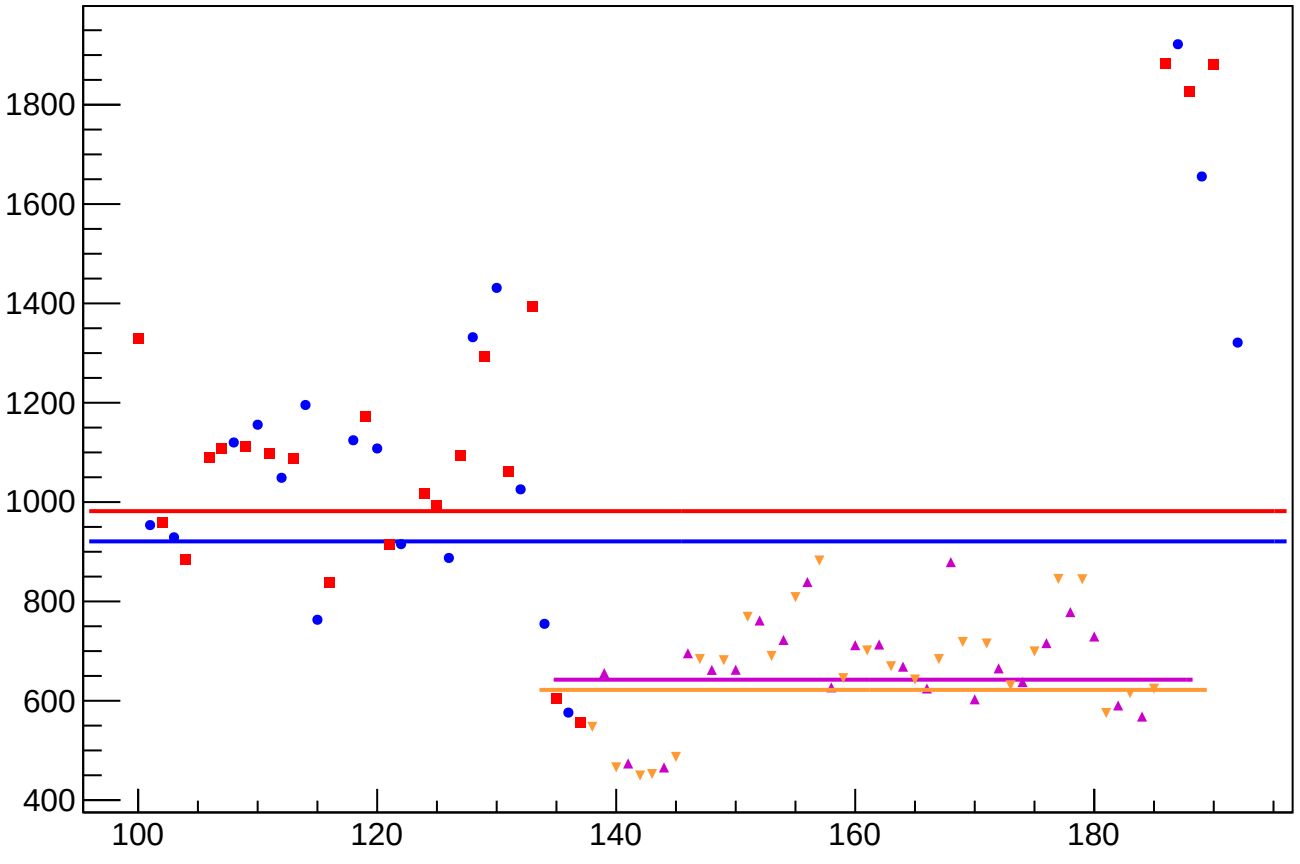
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: 3.912+/-236.150 χ^2/NDF: 37.2/40

In: 37.485+/-137.852 χ^2/NDF:47.5/41

Out: 267.476+/-133.328 χ^2/NDF:62.5/46

All: 156.317+/-95.836 χ^2/NDF: 111.5/88



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: 981.790+/-0.244 χ^2/NDF: 1641690.7/21

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

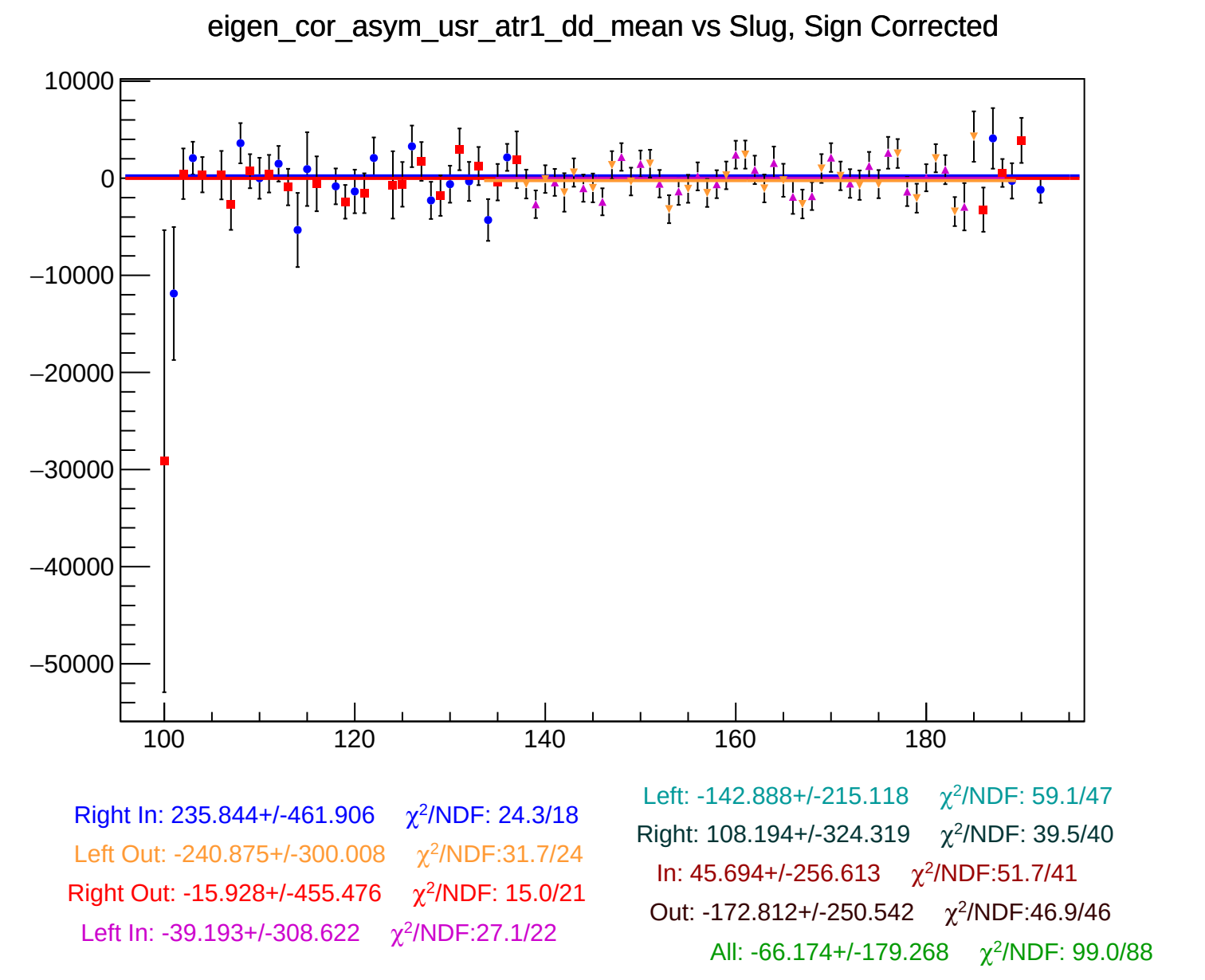
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

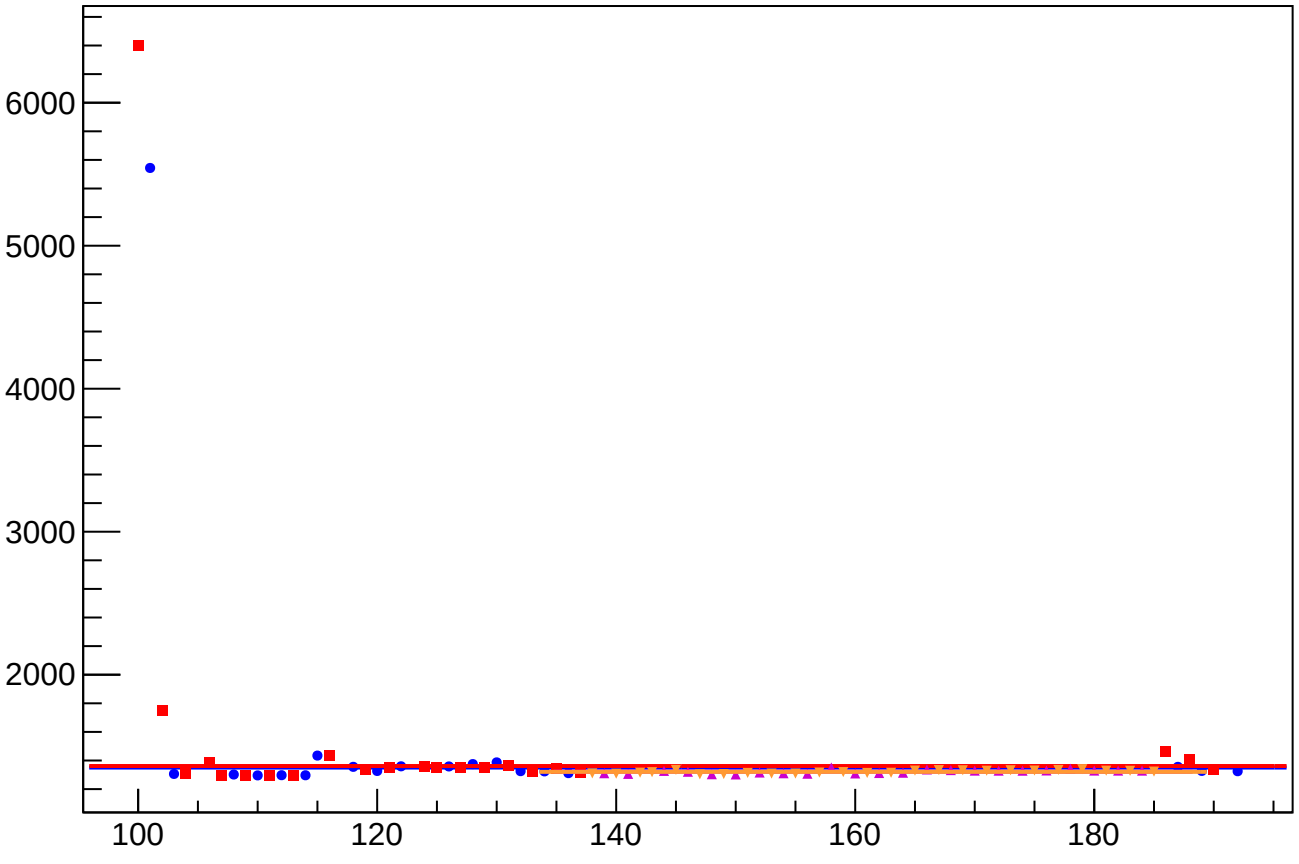
Right: 949.430+/-0.167 χ^2/NDF: 3213731.6/40

In: 692.879+/-0.097 χ^2/NDF:3675078.0/41

Out: 675.704+/-0.094 χ^2/NDF:4876230.2/46

All: 684.005+/-0.068 χ^2/NDF: 8567348.5/88


eigen_cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
Right In: 235.844+/-461.906 χ²/NDF: 24.3/18
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -15.928+/-455.476 χ²/NDF: 15.0/21
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: 108.194+/-324.319 χ²/NDF: 39.5/40
In: 45.694+/-256.613 χ²/NDF:51.7/41
Out: -172.812+/-250.542 χ²/NDF:46.9/46
All: -66.174+/-179.268 χ²/NDF: 99.0/88



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: 1361.461+/-0.322 χ^2/NDF: 154340.4/21

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

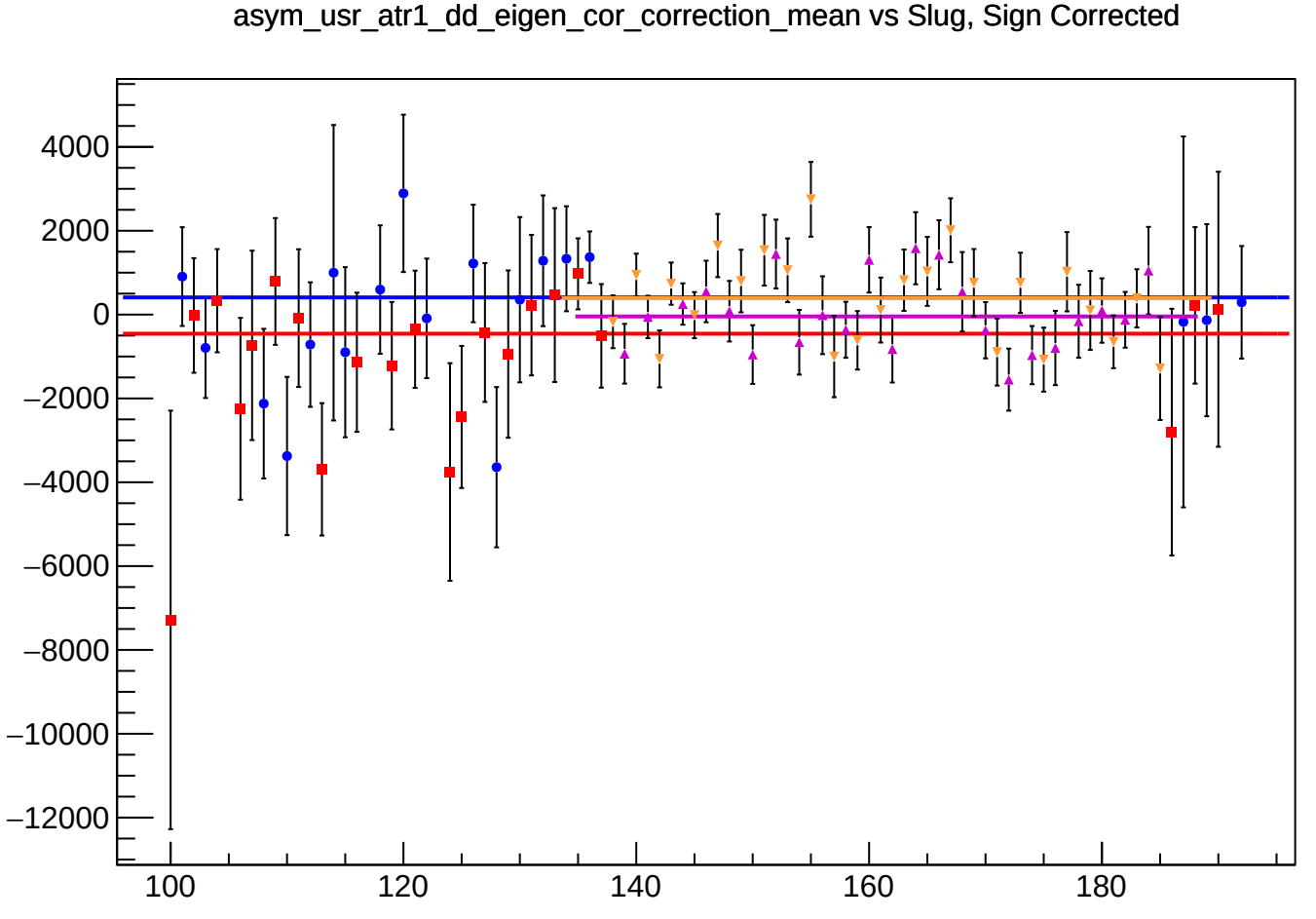
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1356.223+/-0.229 χ^2/NDF: 916434.3/40

In: 1330.750+/-0.181 χ^2/NDF:770581.5/41

Out: 1333.061+/-0.177 χ^2/NDF:168091.6/46

All: 1331.933+/-0.127 χ^2/NDF: 938756.2/88



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: -455.945+/-344.960 χ^2/NDF: 15.5/21

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

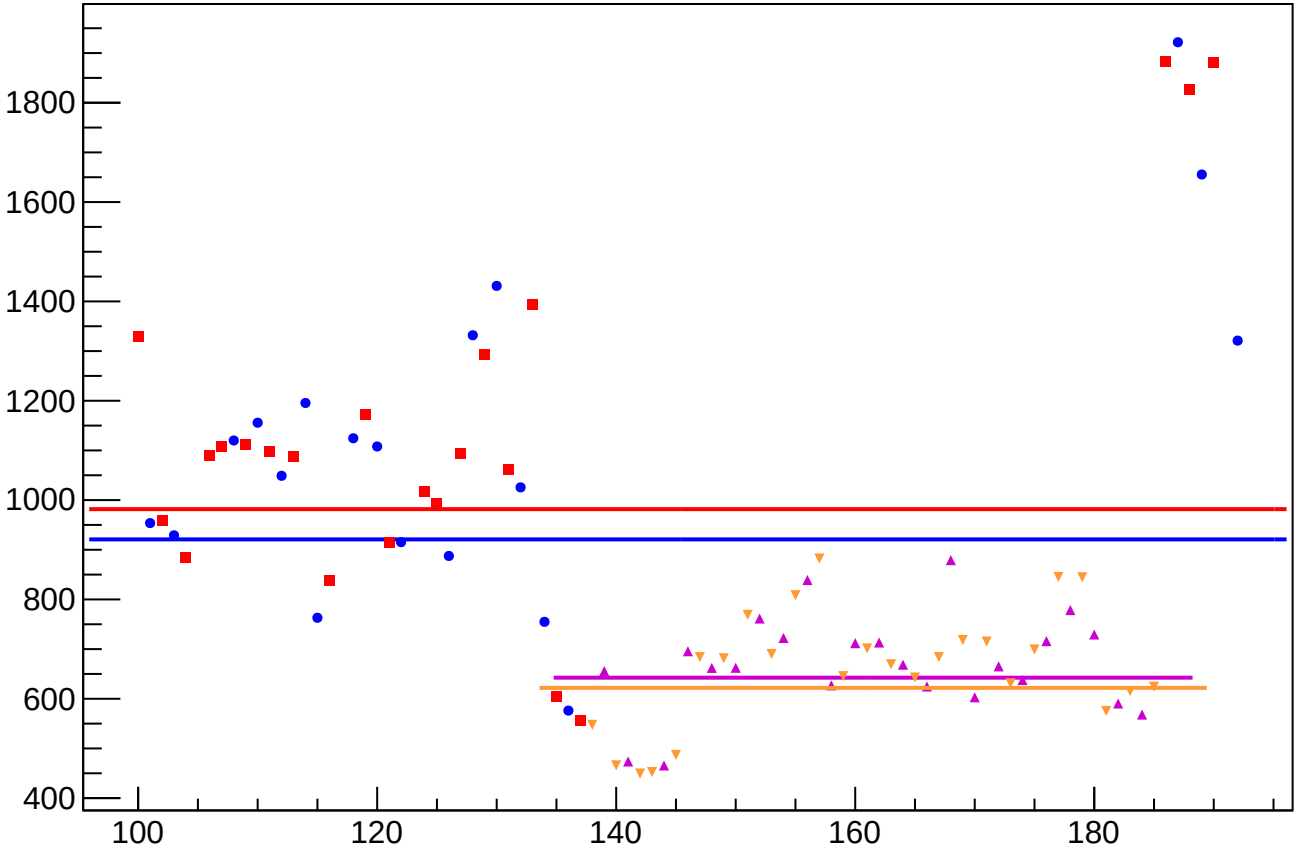
Right: 3.912+/-236.150 χ^2/NDF: 37.2/40

In: 37.485+/-137.852 χ^2/NDF:47.5/41

Out: 267.476+/-133.328 χ^2/NDF:62.5/46

All: 156.317+/-95.836 χ^2/NDF: 111.5/88

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 981.790+/-0.244 χ^2/NDF: 1641690.7/21

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

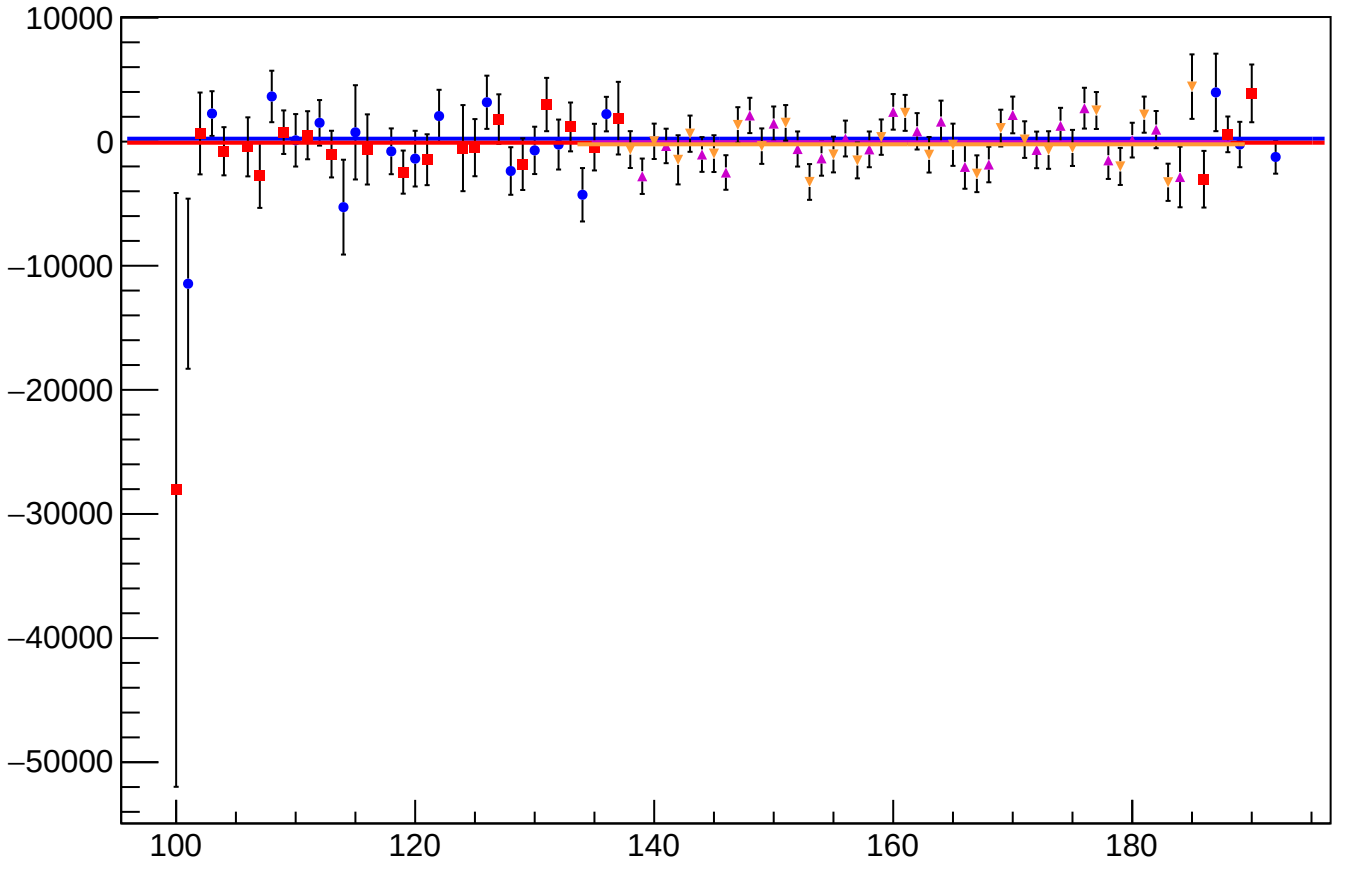
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 949.430+/-0.167 χ^2/NDF: 3213731.6/40

In: 692.879+/-0.097 χ^2/NDF:3675078.0/41

Out: 675.704+/-0.094 χ^2/NDF:4876230.2/46

All: 684.005+/-0.068 χ^2/NDF: 8567348.5/88



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: -89.986+/-459.490 χ^2/NDF: 14.8/21

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

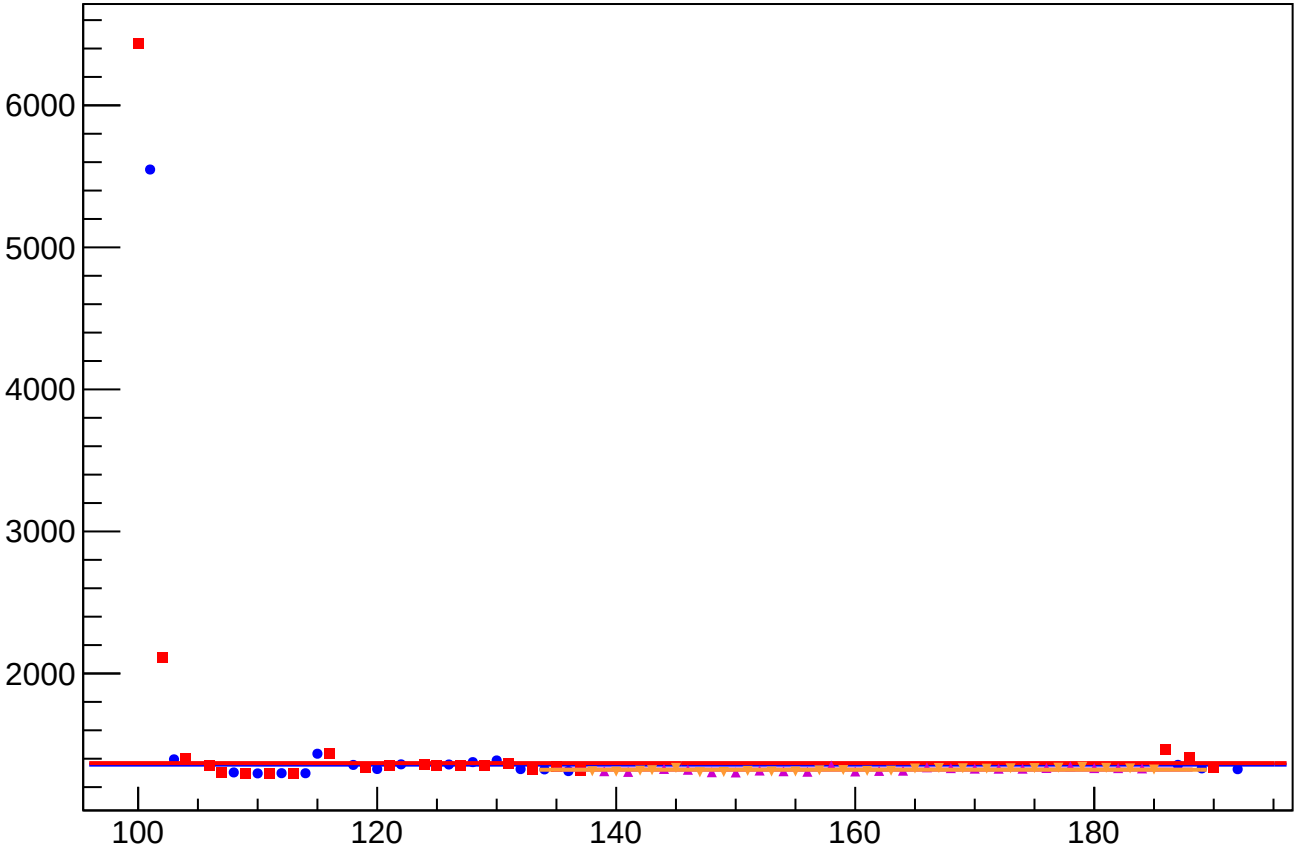
Right: 70.774+/-326.646 χ^2/NDF: 39.3/40

In: 37.277+/-257.256 χ^2/NDF:52.3/41

Out: -177.594+/-251.422 χ^2/NDF:46.2/46

All: -72.623+/-179.810 χ^2/NDF: 98.8/88

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: 1369.120+/-0.325 χ^2/NDF: 211427.9/21

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

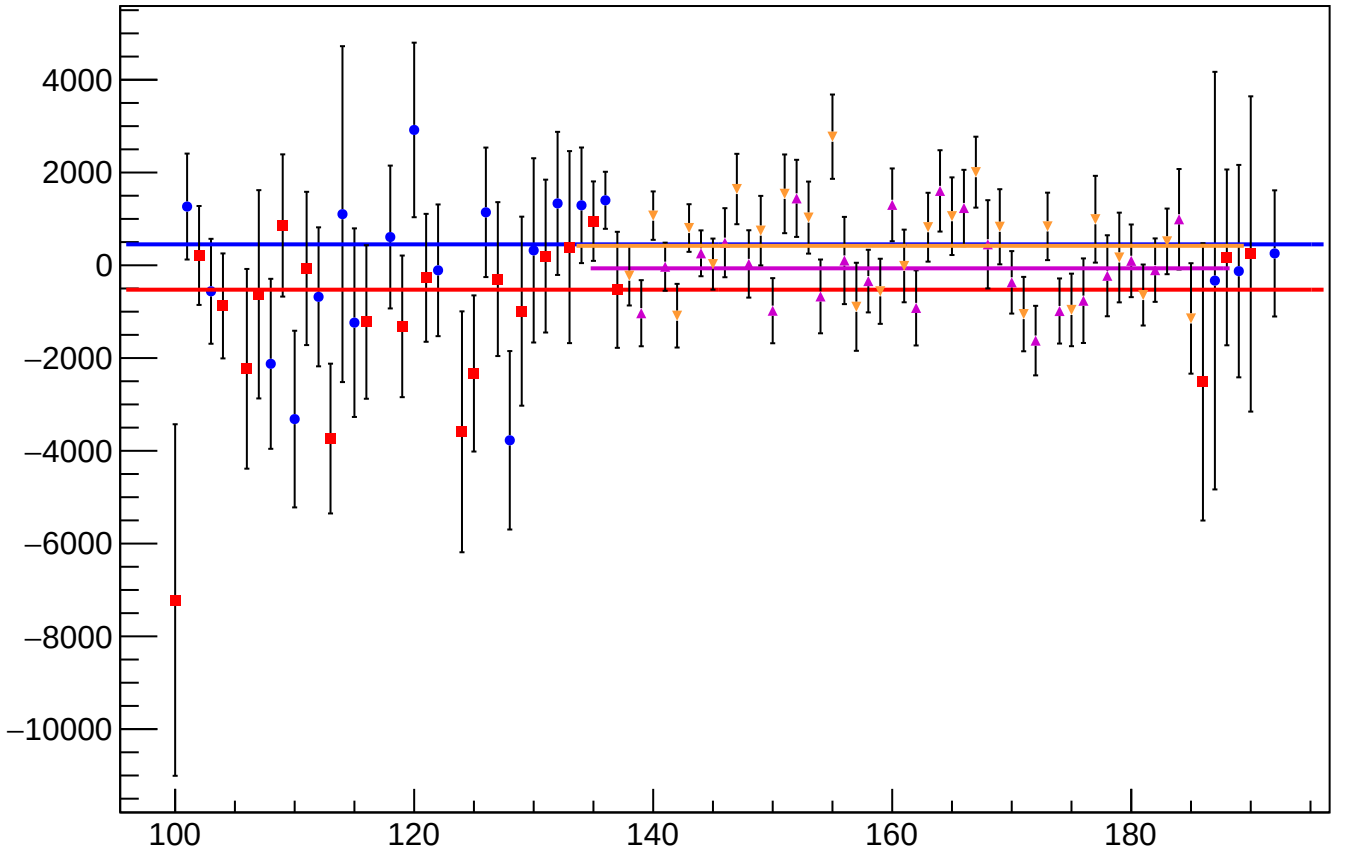
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1363.766+/-0.231 χ^2/NDF: 972839.2/40

In: 1334.063+/-0.182 χ^2/NDF:772573.1/41

Out: 1336.366+/-0.178 χ^2/NDF:228865.1/46

All: 1335.241+/-0.127 χ^2/NDF: 1001520.2/88



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: -525.967+/-336.624 χ^2/NDF: 16.3/21

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

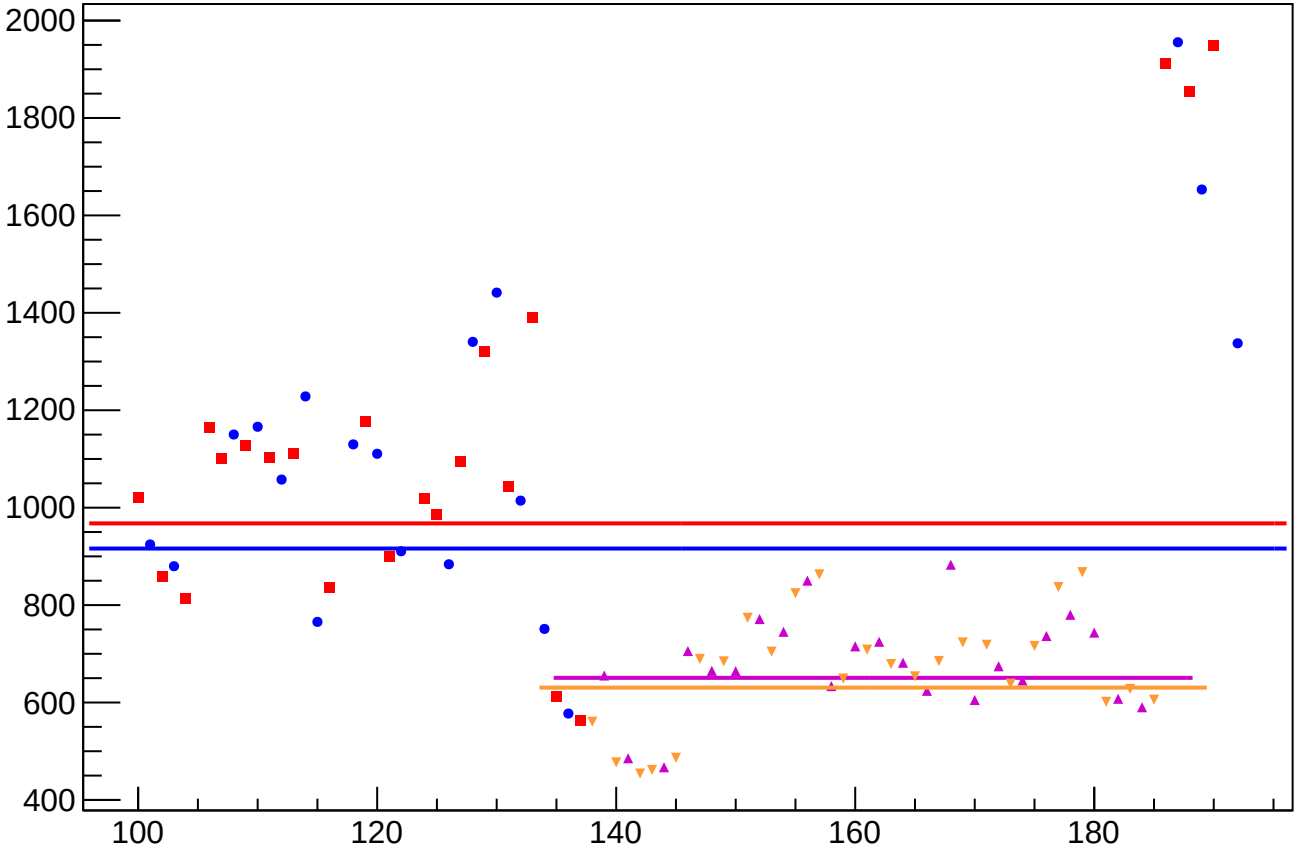
Right: -16.347+/-232.899 χ^2/NDF: 39.4/40

In: 30.790+/-139.139 χ^2/NDF:47.9/41

Out: 269.388+/-134.281 χ^2/NDF:64.4/46

All: 154.327+/-96.623 χ^2/NDF: 113.8/88

asym_usr_atr1_dd_dit_correction_rms vs Slug, Sign Corrected



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: 967.749+/-0.238 χ^2/NDF: 1708355.8/21

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

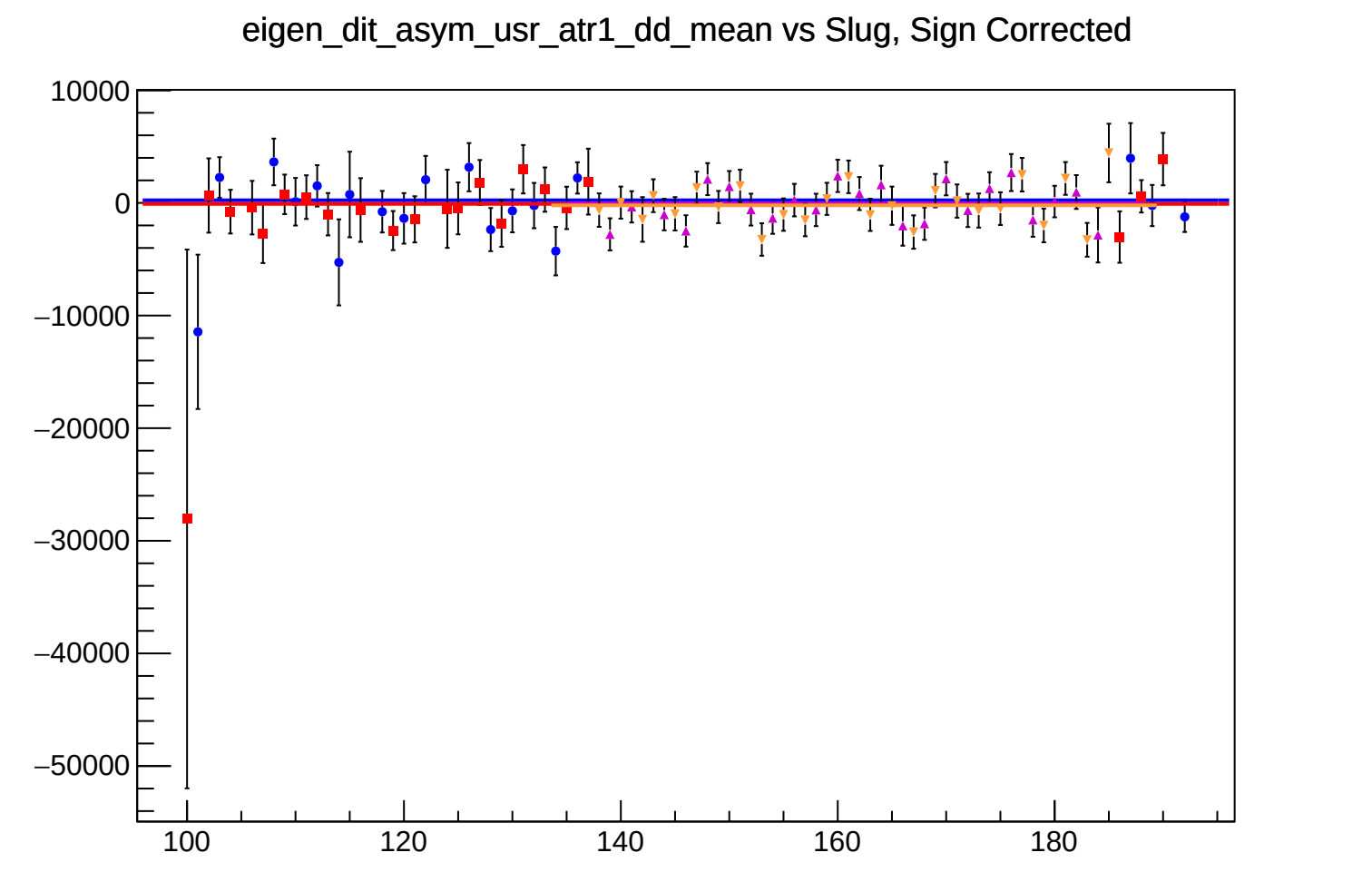
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 940.821+/-0.165 χ^2/NDF: 3299944.0/40

In: 700.029+/-0.098 χ^2/NDF:3591625.8/41

Out: 684.242+/-0.095 χ^2/NDF:4724027.1/46

All: 691.855+/-0.068 χ^2/NDF: 8328984.9/88



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: -89.985+/-459.490 χ^2/NDF: 14.8/21

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

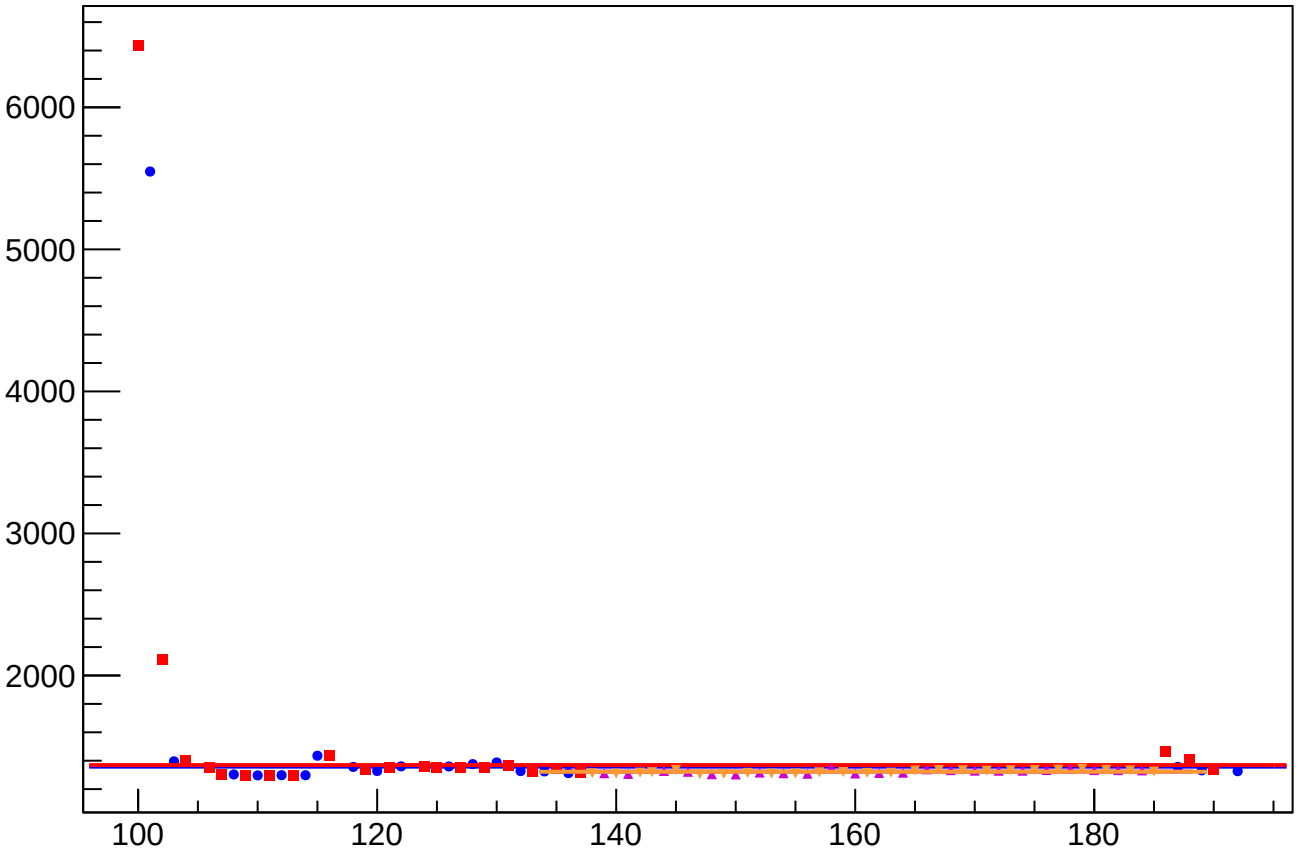
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: 70.774+/-326.646 χ^2/NDF: 39.3/40

In: 37.277+/-257.256 χ^2/NDF:52.3/41

Out: -177.595+/-251.422 χ^2/NDF:46.2/46

All: -72.623+/-179.810 χ^2/NDF: 98.8/88



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: 1369.120+/-0.325 χ^2/NDF: 211427.9/21

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

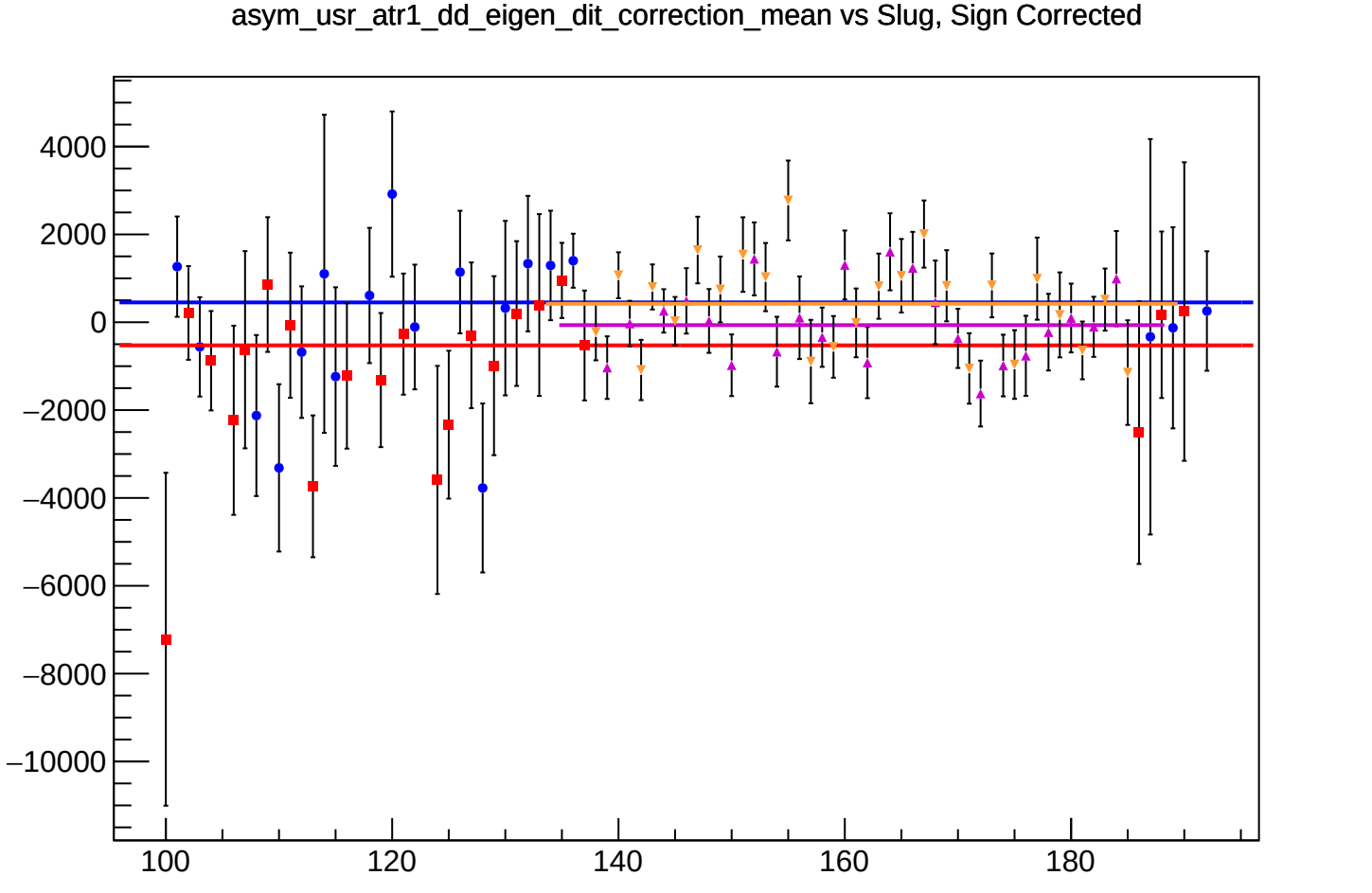
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1363.766+/-0.231 χ^2/NDF: 972839.2/40

In: 1334.063+/-0.182 χ^2/NDF:772573.1/41

Out: 1336.366+/-0.178 χ^2/NDF:228865.0/46

All: 1335.241+/-0.127 χ^2/NDF: 1001520.1/88



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: -525.966+/-336.623 χ^2/NDF: 16.3/21

Left In: -65.405+/-154.225 χ^2/NDF:27.0/22

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

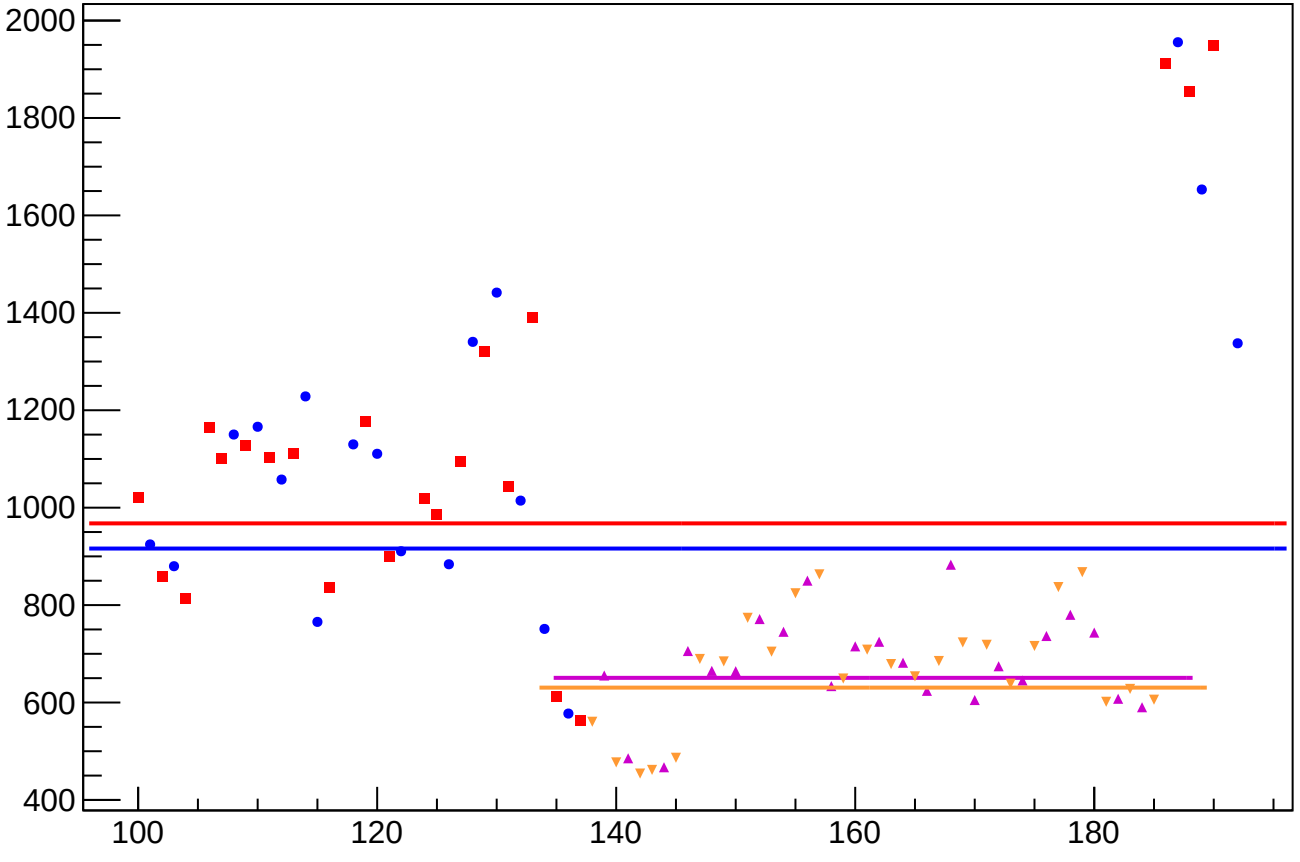
Right: -16.347+/-232.899 χ^2/NDF: 39.4/40

In: 30.790+/-139.139 χ^2/NDF:47.9/41

Out: 269.388+/-134.281 χ^2/NDF:64.4/46

All: 154.327+/-96.623 χ^2/NDF: 113.8/88

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: 967.747+/-0.238 χ^2/NDF: 1708356.0/21

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

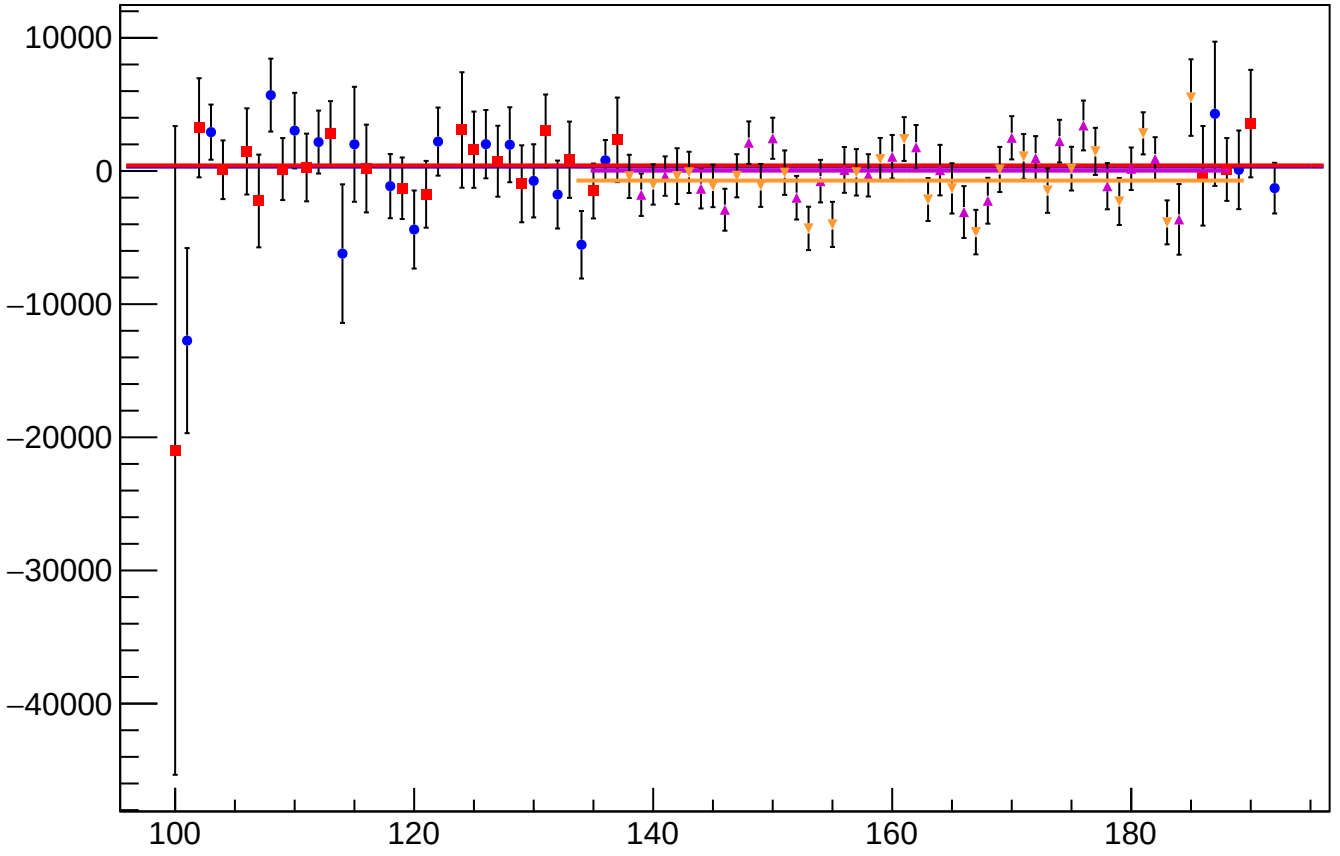
Right: 940.819+/-0.165 χ^2/NDF: 3299941.4/40

In: 700.030+/-0.098 χ^2/NDF:3591605.4/41

Out: 684.242+/-0.095 χ^2/NDF:4724027.2/46

All: 691.856+/-0.068 χ^2/NDF: 8328965.1/88

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: 418.866+/-604.263 χ^2/NDF: 7.9/21

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

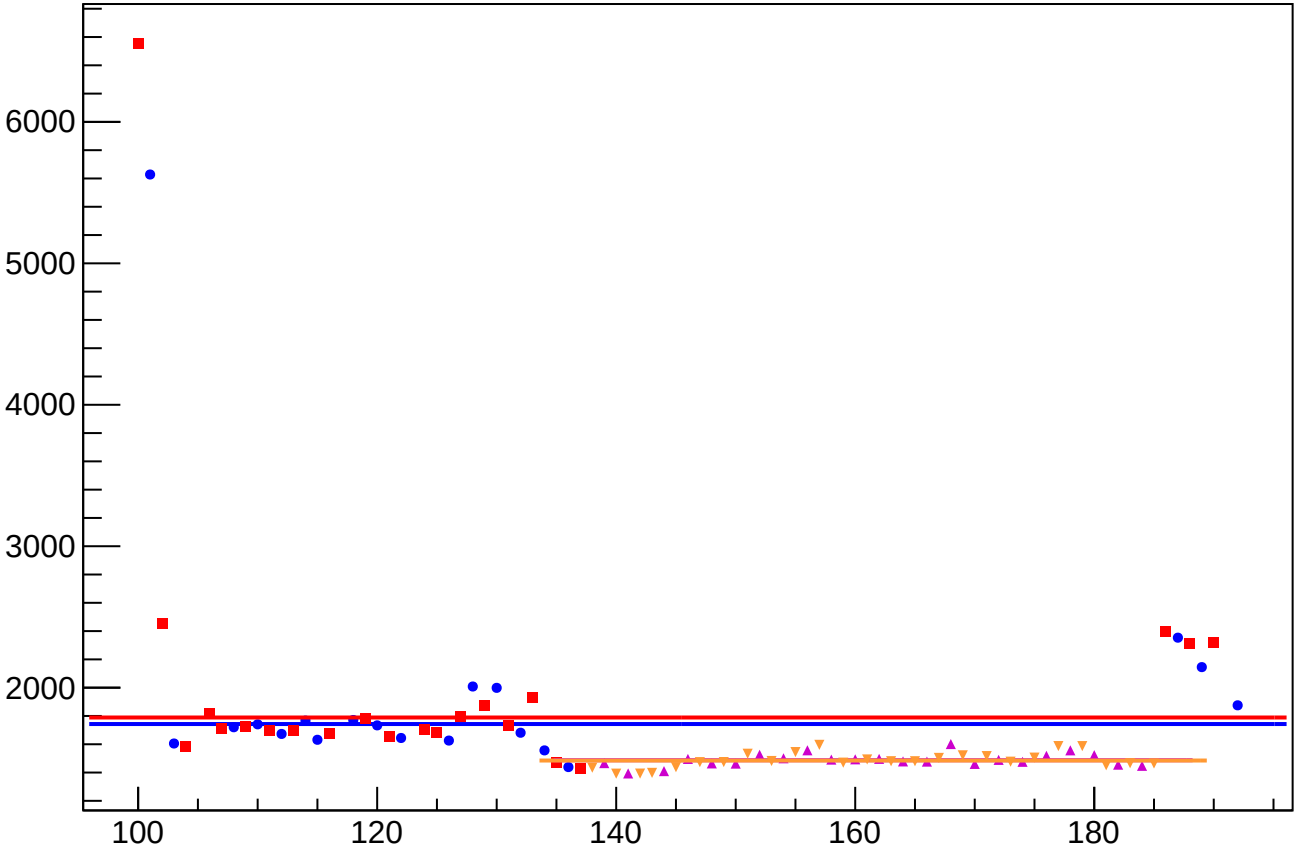
Right: 374.337+/-425.023 χ^2/NDF: 31.9/40

In: 104.043+/-300.391 χ^2/NDF:52.2/41

Out: -447.803+/-294.707 χ^2/NDF:48.4/46

All: -177.151+/-210.370 χ^2/NDF: 102.3/88

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: 1789.151+/-0.427 χ^2/NDF: 443286.5/21

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

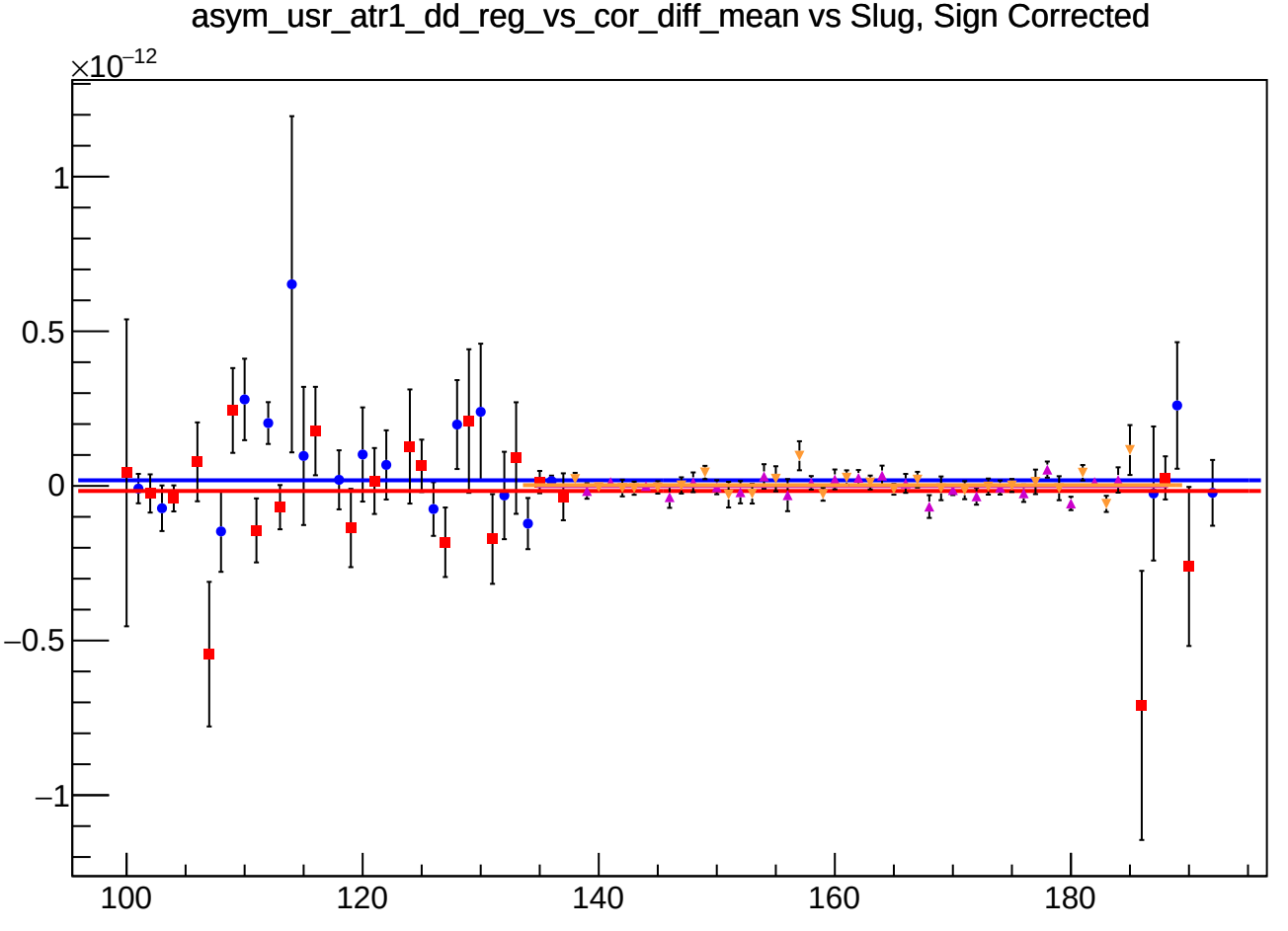
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1765.802+/-0.301 χ^2/NDF: 1292520.8/40

In: 1551.680+/-0.212 χ^2/NDF:1151853.0/41

Out: 1557.316+/-0.208 χ^2/NDF:880471.6/46

All: 1554.552+/-0.149 χ^2/NDF: 2032683.4/88



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: 25.1/21

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

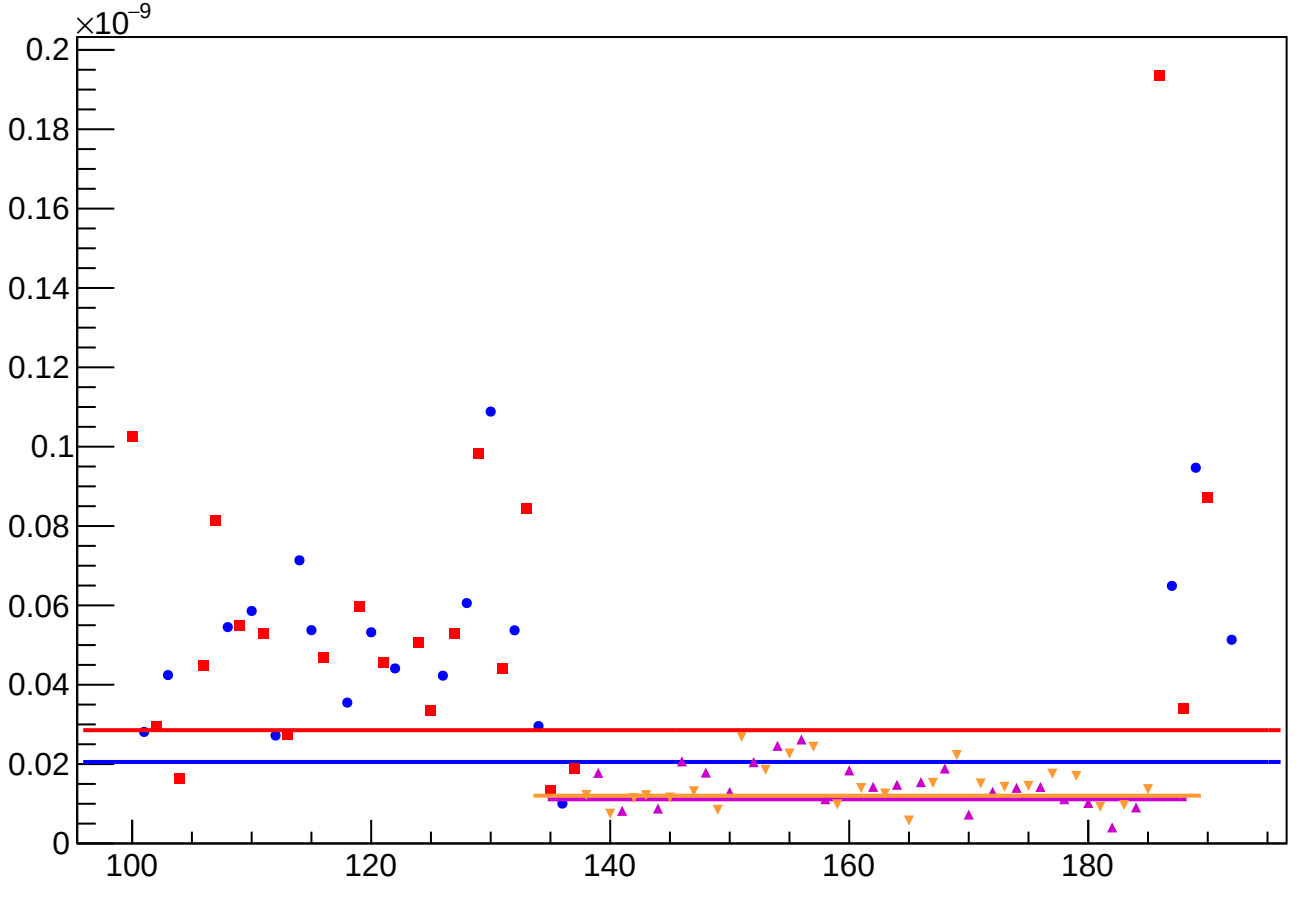
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 52.5/40

In: 0.000+/-0.000 χ^2/NDF:51.6/41

Out: 0.000+/-0.000 χ^2/NDF:51.5/46

All: 0.000+/-0.000 χ^2/NDF: 103.1/88



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: 2059689.8/21

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

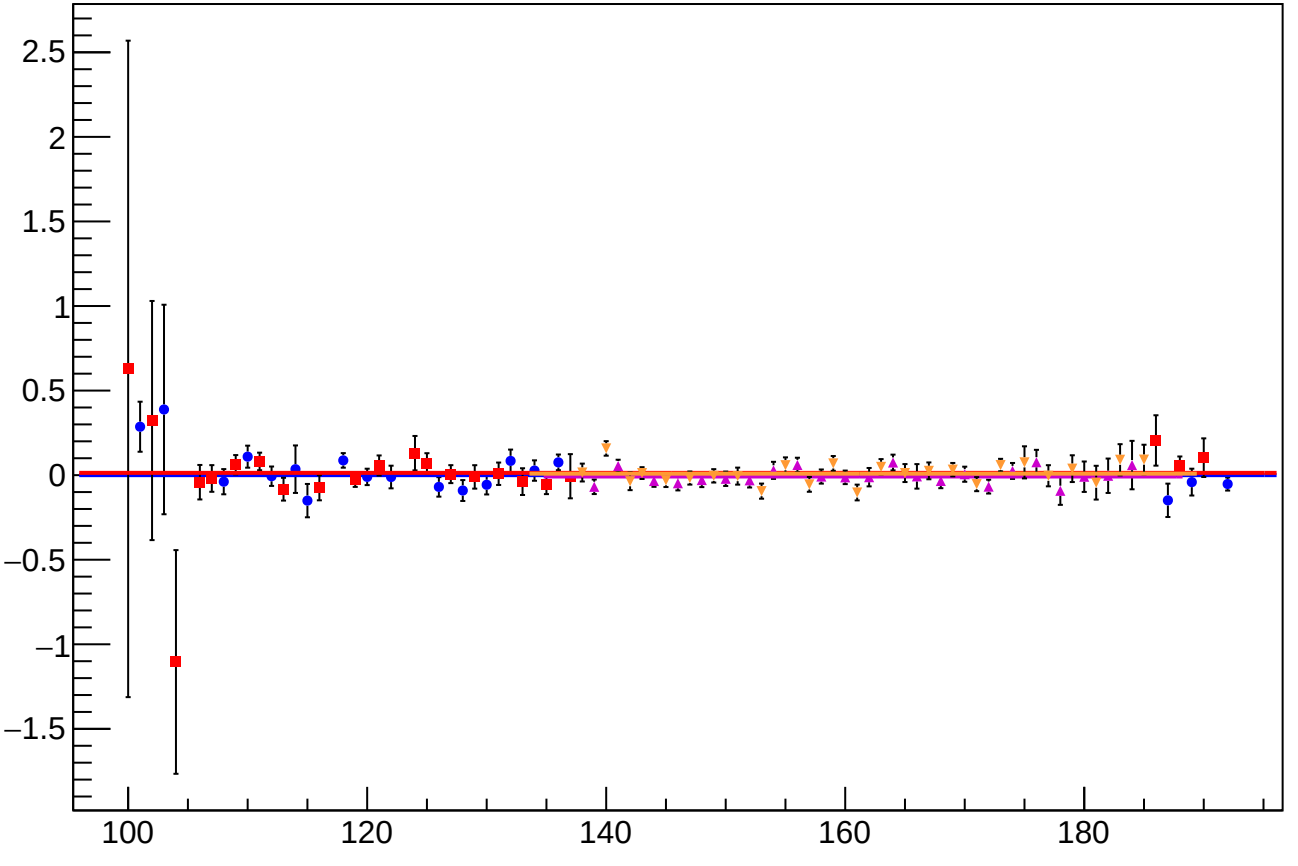
Right: 0.000+/-0.000 χ^2/NDF: 5099129.0/40

In: 0.000+/-0.000 χ^2/NDF:5799545.5/41

Out: 0.000+/-0.000 χ^2/NDF:5084926.5/46

All: 0.000+/-0.000 χ^2/NDF: 10935353.0/88

asym_usr_atr1_dd_dit_vs_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: 0.014+/-0.015 χ^2/NDF: 18.2/21

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

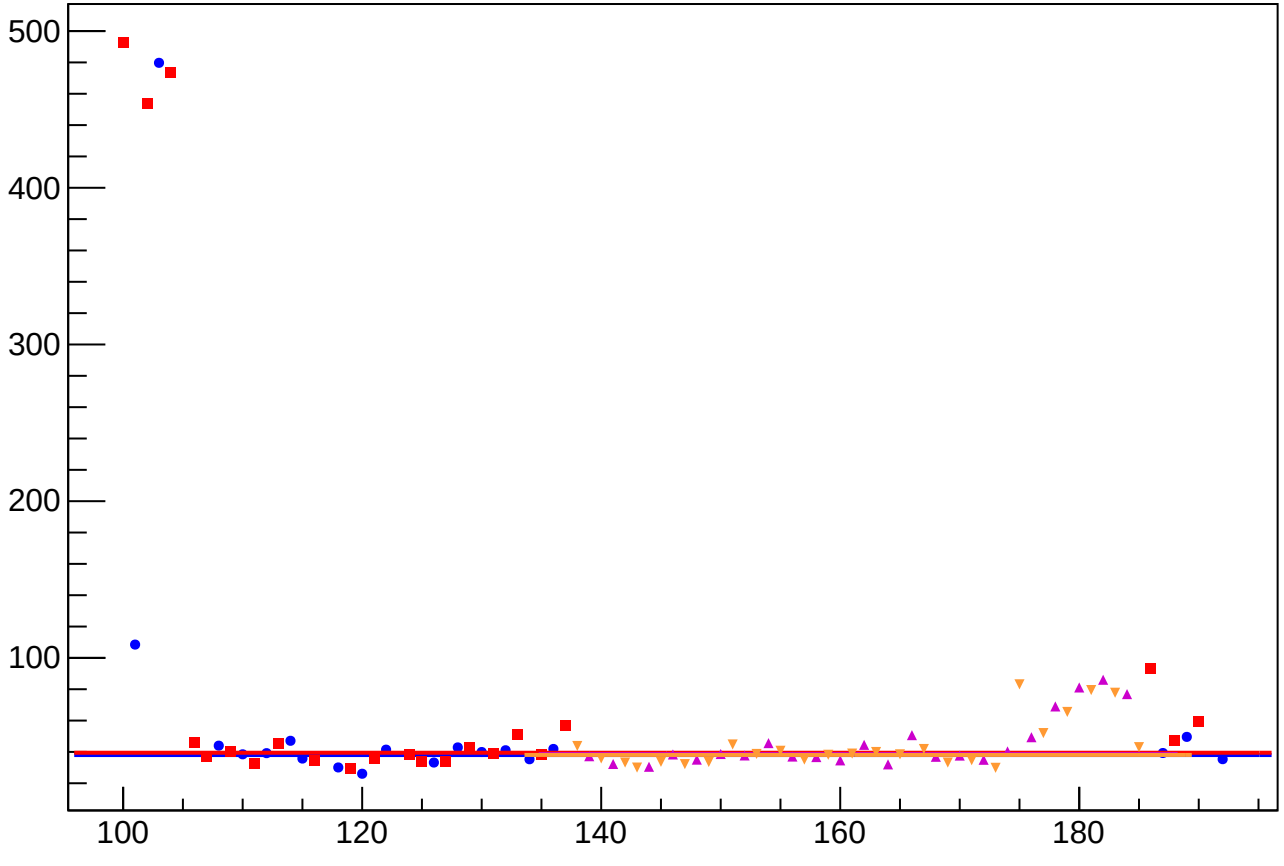
Right: 0.006+/-0.010 χ^2/NDF: 45.9/40

In: -0.005+/-0.008 χ^2/NDF:46.3/41

Out: 0.010+/-0.008 χ^2/NDF:56.9/46

All: 0.002+/-0.006 χ^2/NDF: 105.1/88

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: 39.476+/-0.011 χ^2/NDF: 2338226.3/21

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

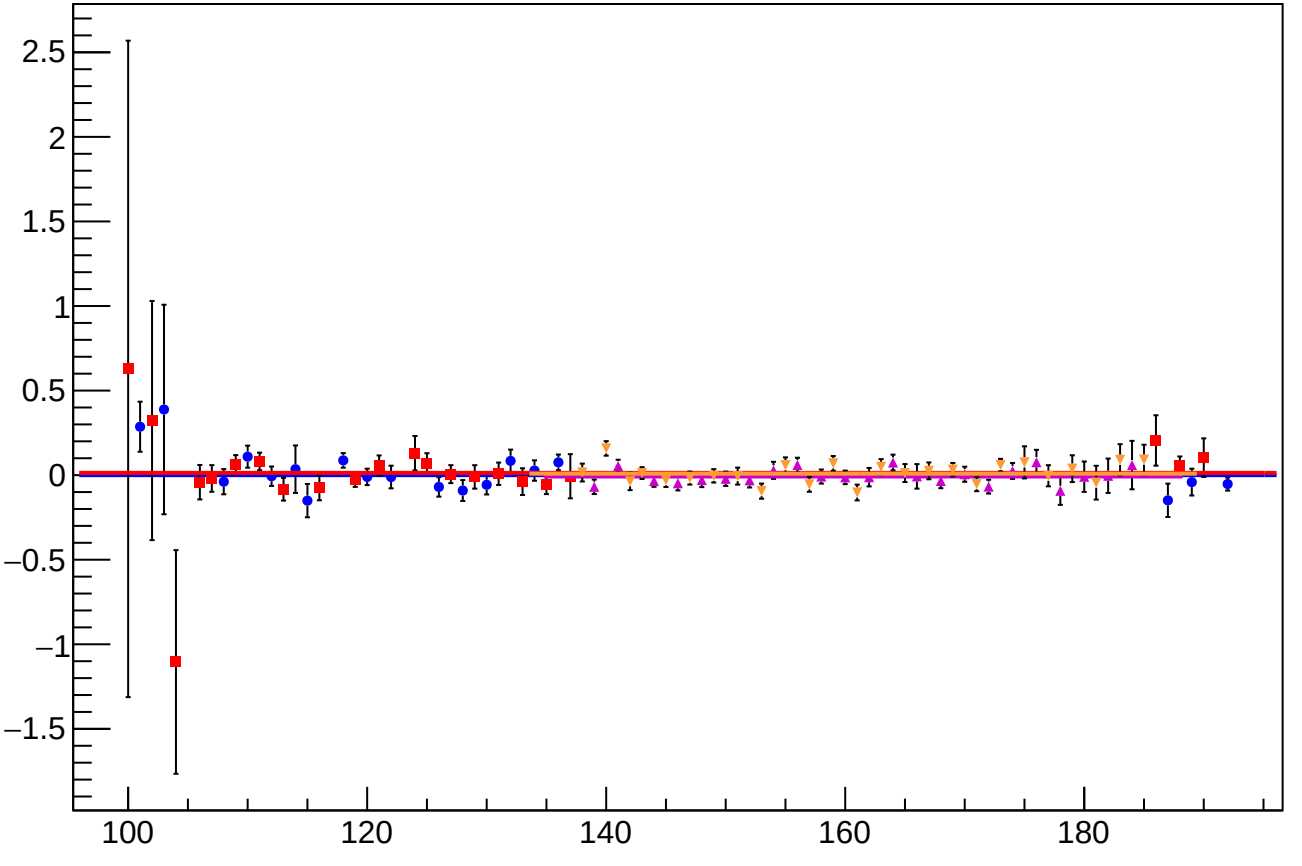
Right: 38.700+/-0.007 χ^2/NDF: 4140311.9/40

In: 38.426+/-0.006 χ^2/NDF:3522303.2/41

Out: 38.471+/-0.006 χ^2/NDF:4317770.0/46

All: 38.449+/-0.004 χ^2/NDF: 7840104.2/88

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: 0.014+/-0.015 χ^2/NDF: 18.2/21

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

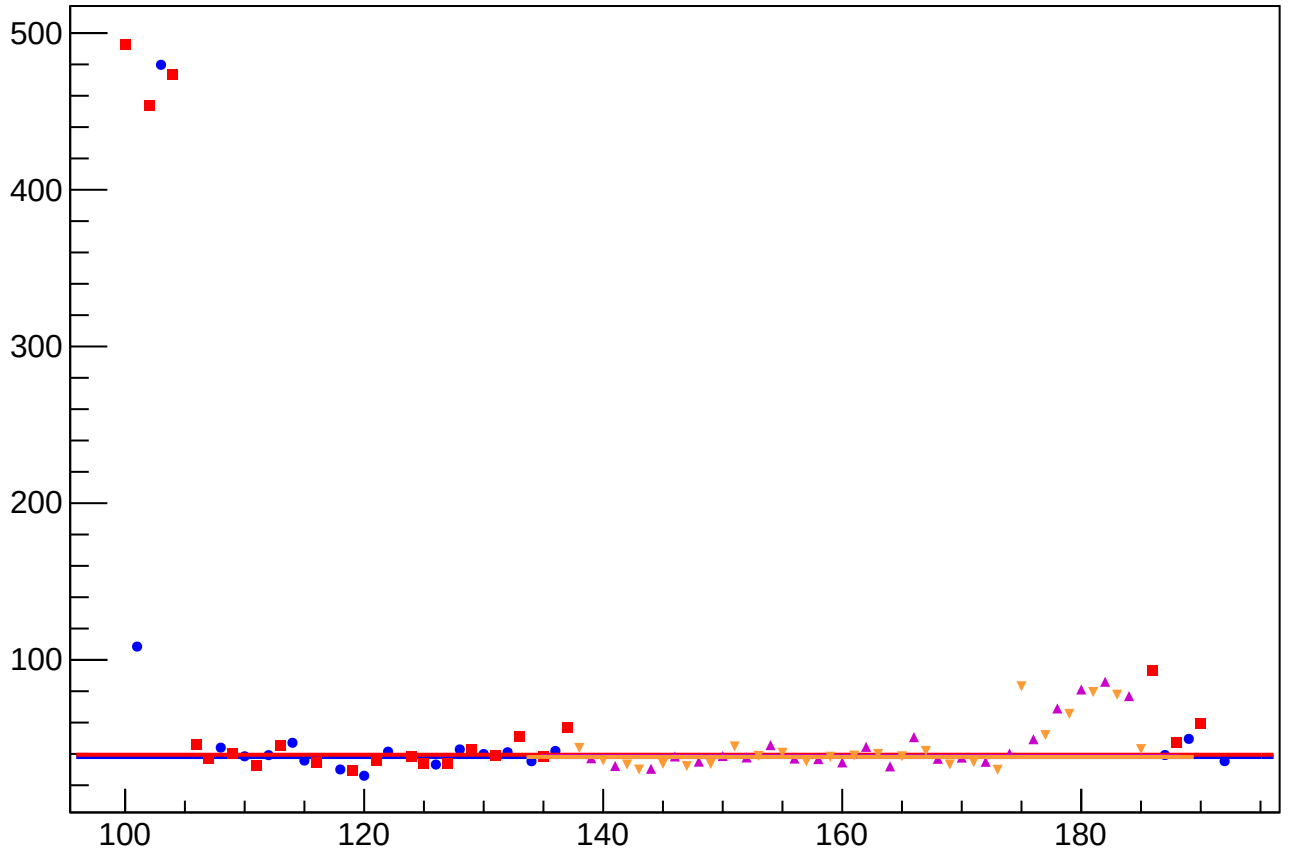
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.006+/-0.010 χ^2/NDF: 45.9/40

In: -0.005+/-0.008 χ^2/NDF:46.3/41

Out: 0.010+/-0.008 χ^2/NDF:56.9/46

All: 0.002+/-0.006 χ^2/NDF: 105.1/88



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: 39.476+/-0.011 χ^2/NDF: 2338226.3/21

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

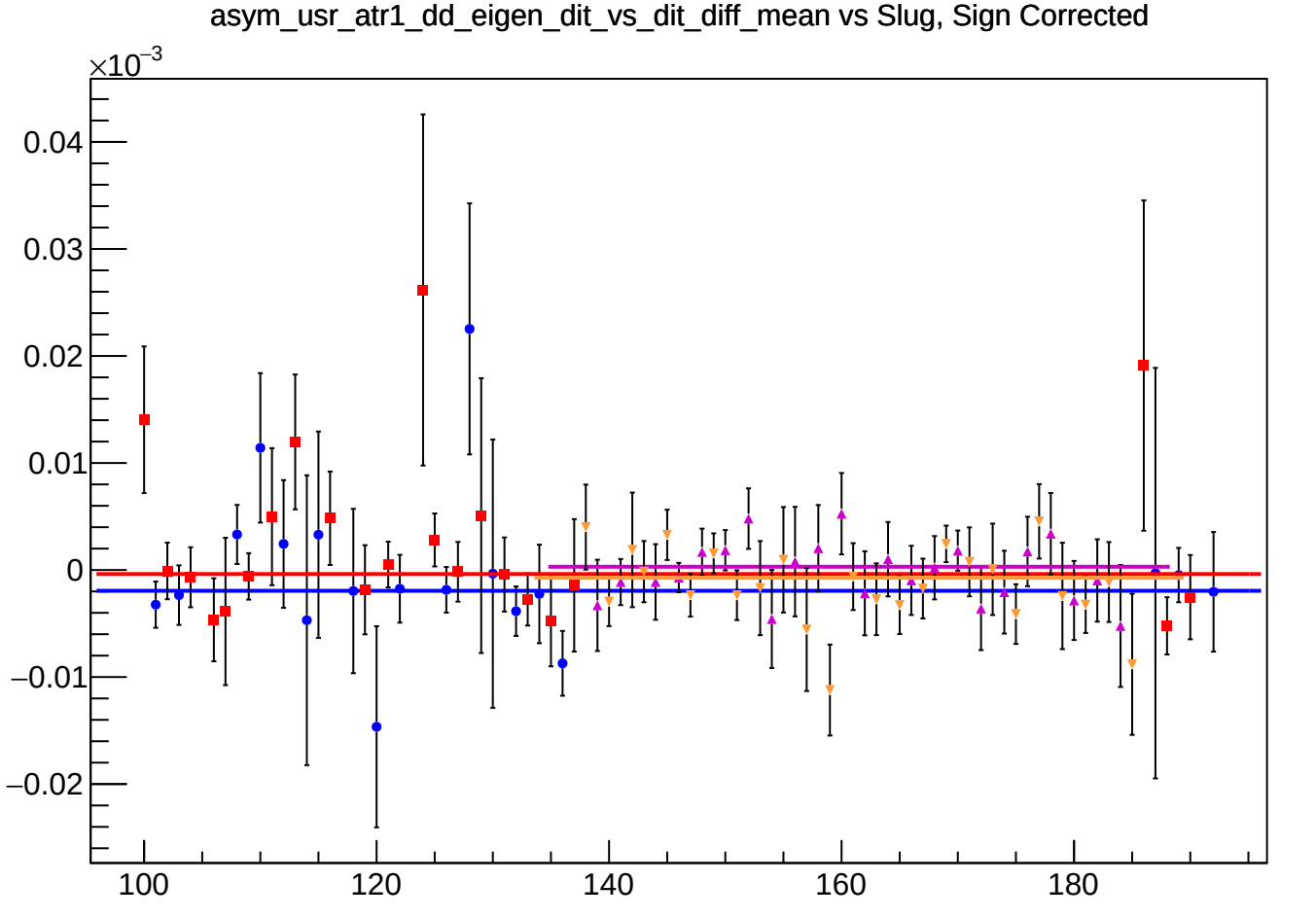
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 38.700+/-0.007 χ^2/NDF: 4140311.9/40

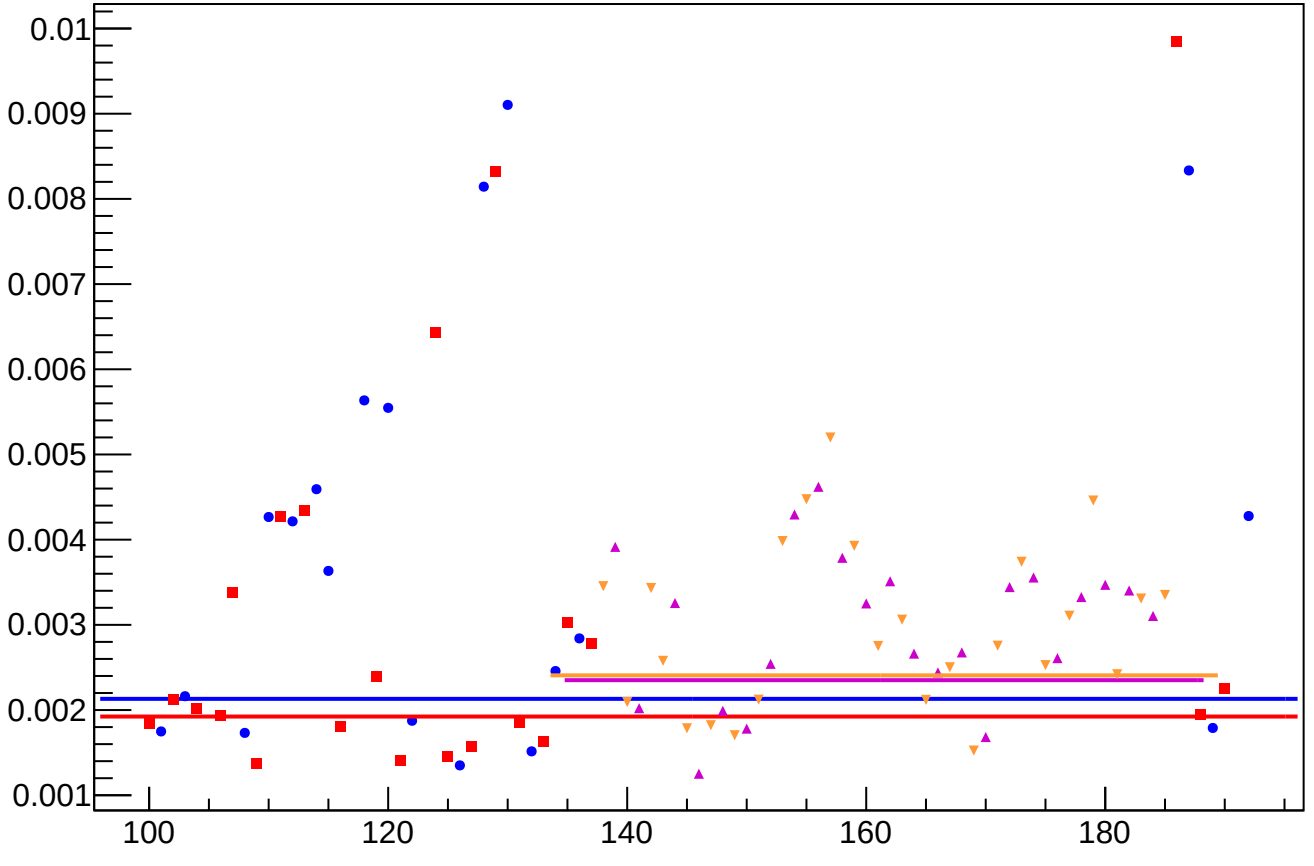
In: 38.426+/-0.006 χ^2/NDF:3522303.2/41

Out: 38.471+/-0.006 χ^2/NDF:4317770.0/46

All: 38.449+/-0.004 χ^2/NDF: 7840104.2/88


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 20.8/18
Left Out: -0.000+/-0.000 χ²/NDF:26.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.9/21
Left In: 0.000+/-0.000 χ²/NDF:13.8/22
Left: -0.000+/-0.000 χ²/NDF: 41.9/47
Right: -0.000+/-0.000 χ²/NDF: 46.7/40
In: -0.000+/-0.000 χ²/NDF:39.4/41
Out: -0.000+/-0.000 χ²/NDF:50.6/46
All: -0.000+/-0.000 χ²/NDF: 90.0/88

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 2437739.4/21

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

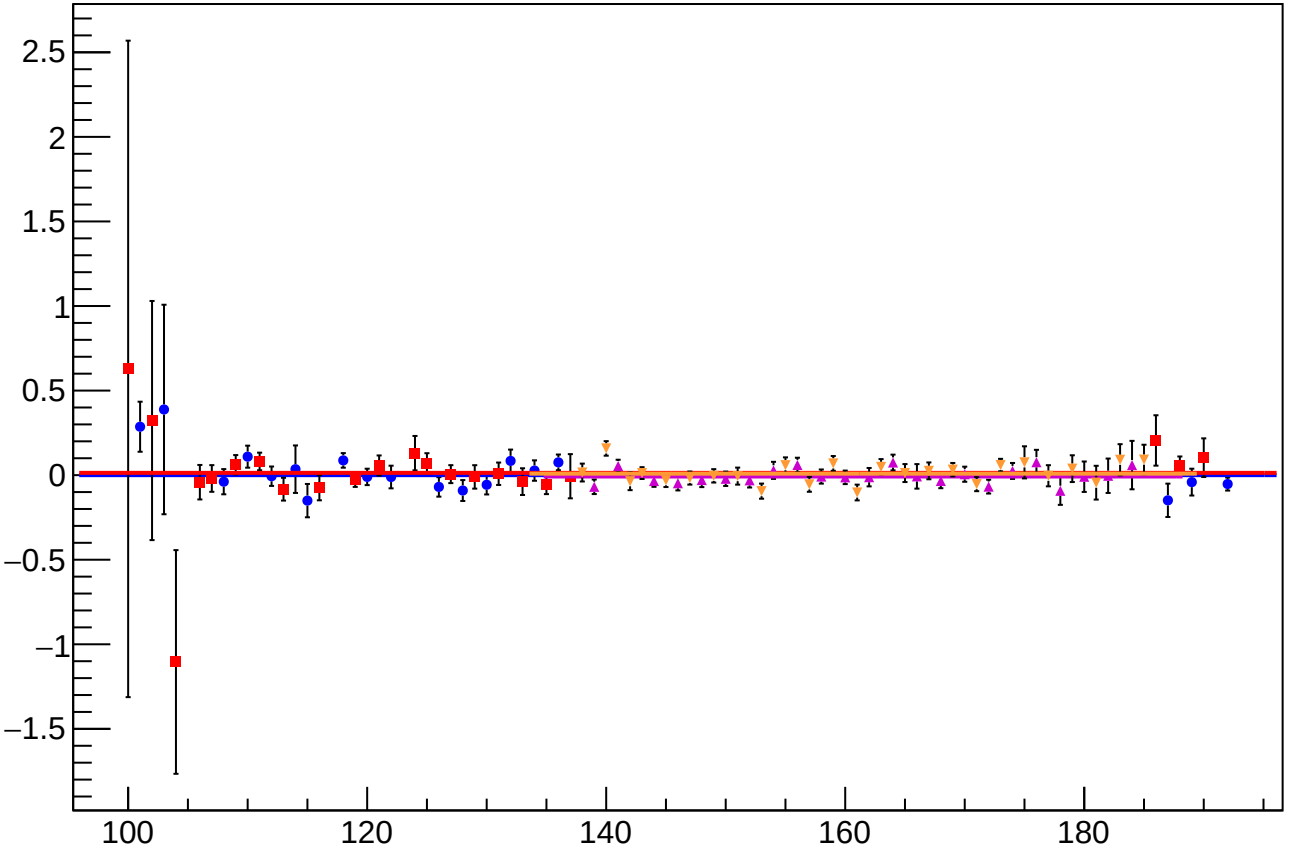
Right: 0.002+/-0.000 χ^2/NDF: 6066389.0/40

In: 0.002+/-0.000 χ^2/NDF:8088963.8/41

Out: 0.002+/-0.000 χ^2/NDF:6645037.3/46

All: 0.002+/-0.000 χ^2/NDF: 14747291.3/88

asym_usr_atr1_dd_eigen_dit_vs_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: 0.014+/-0.015 χ^2/NDF: 18.2/21

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

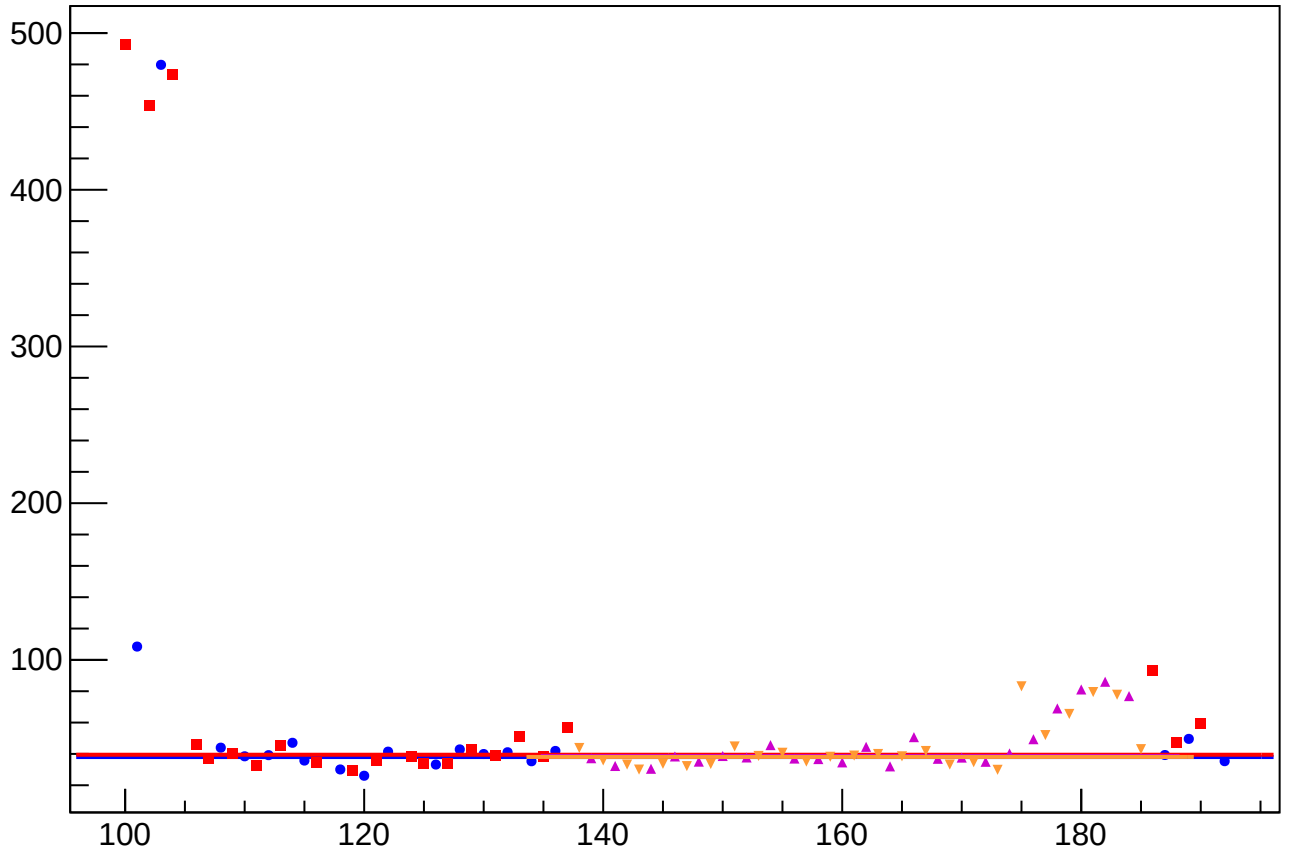
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.006+/-0.010 χ^2/NDF: 45.9/40

In: -0.005+/-0.008 χ^2/NDF:46.3/41

Out: 0.010+/-0.008 χ^2/NDF:56.9/46

All: 0.002+/-0.006 χ^2/NDF: 105.1/88



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: 39.475+/-0.011 χ^2/NDF: 2338320.5/21

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

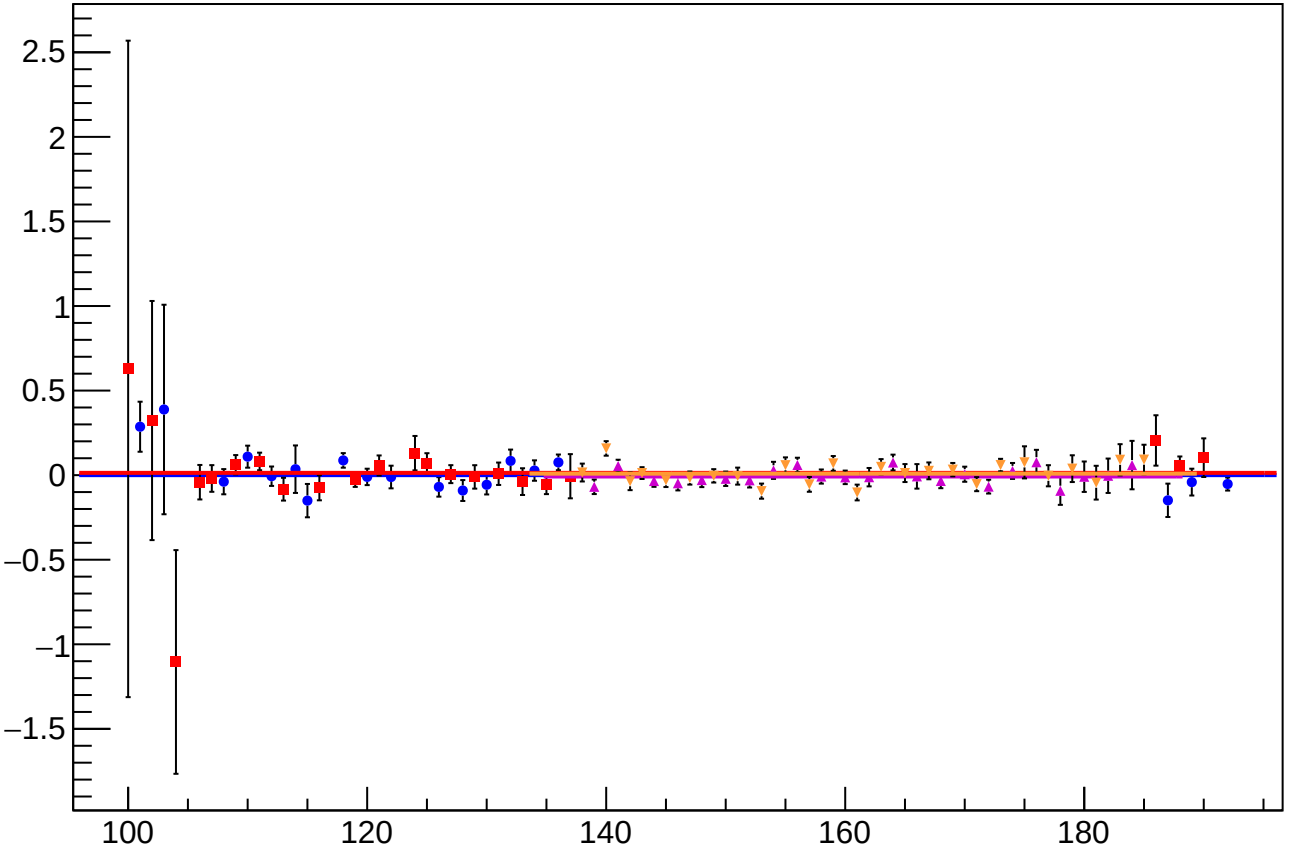
Right: 38.699+/-0.007 χ^2/NDF: 4140430.2/40

In: 38.425+/-0.006 χ^2/NDF:3522371.4/41

Out: 38.471+/-0.006 χ^2/NDF:4317840.0/46

All: 38.448+/-0.004 χ^2/NDF: 7840242.6/88

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: 0.014+/-0.015 χ^2/NDF: 18.2/21

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

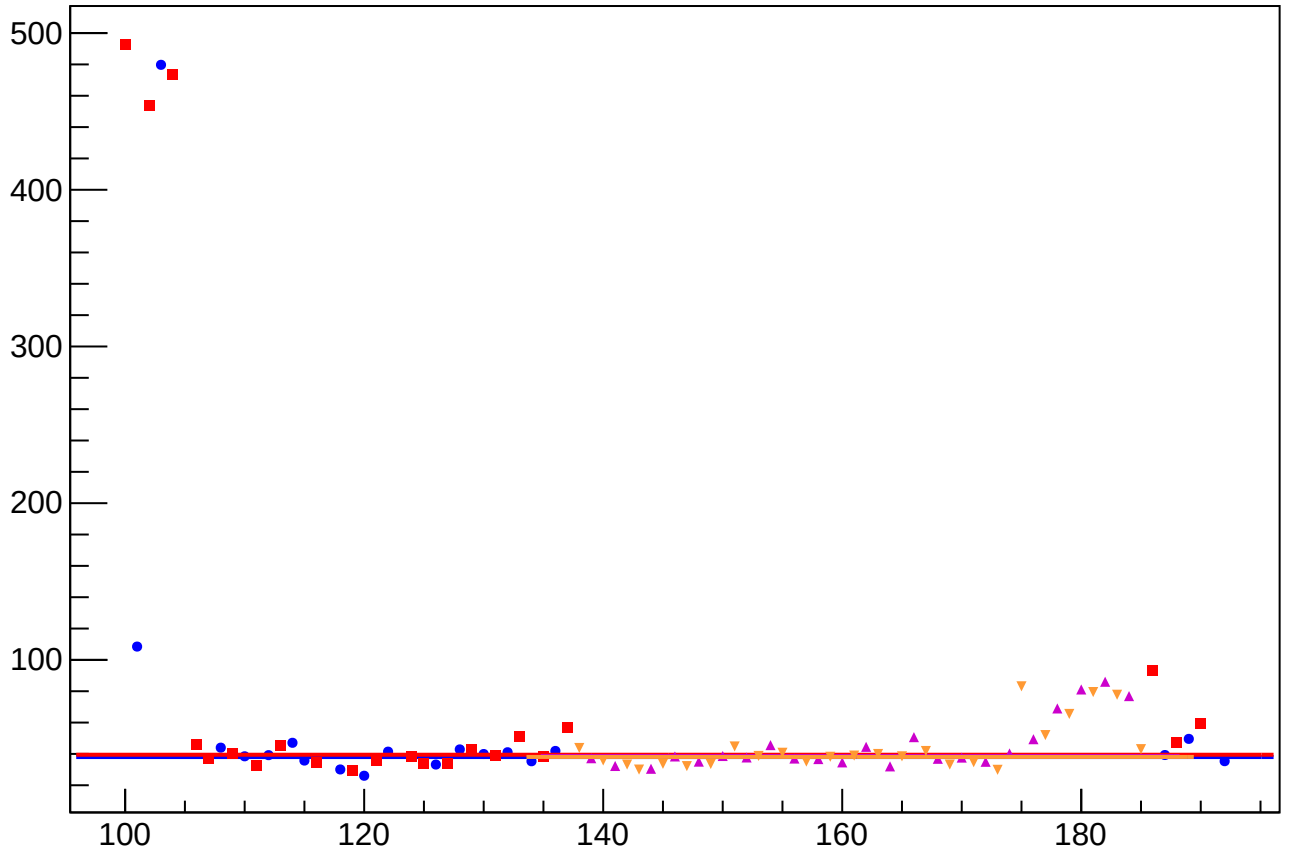
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.006+/-0.010 χ^2/NDF: 45.9/40

In: -0.005+/-0.008 χ^2/NDF:46.3/41

Out: 0.010+/-0.008 χ^2/NDF:56.9/46

All: 0.002+/-0.006 χ^2/NDF: 105.1/88



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: 39.475+/-0.011 χ^2/NDF: 2338320.5/21

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

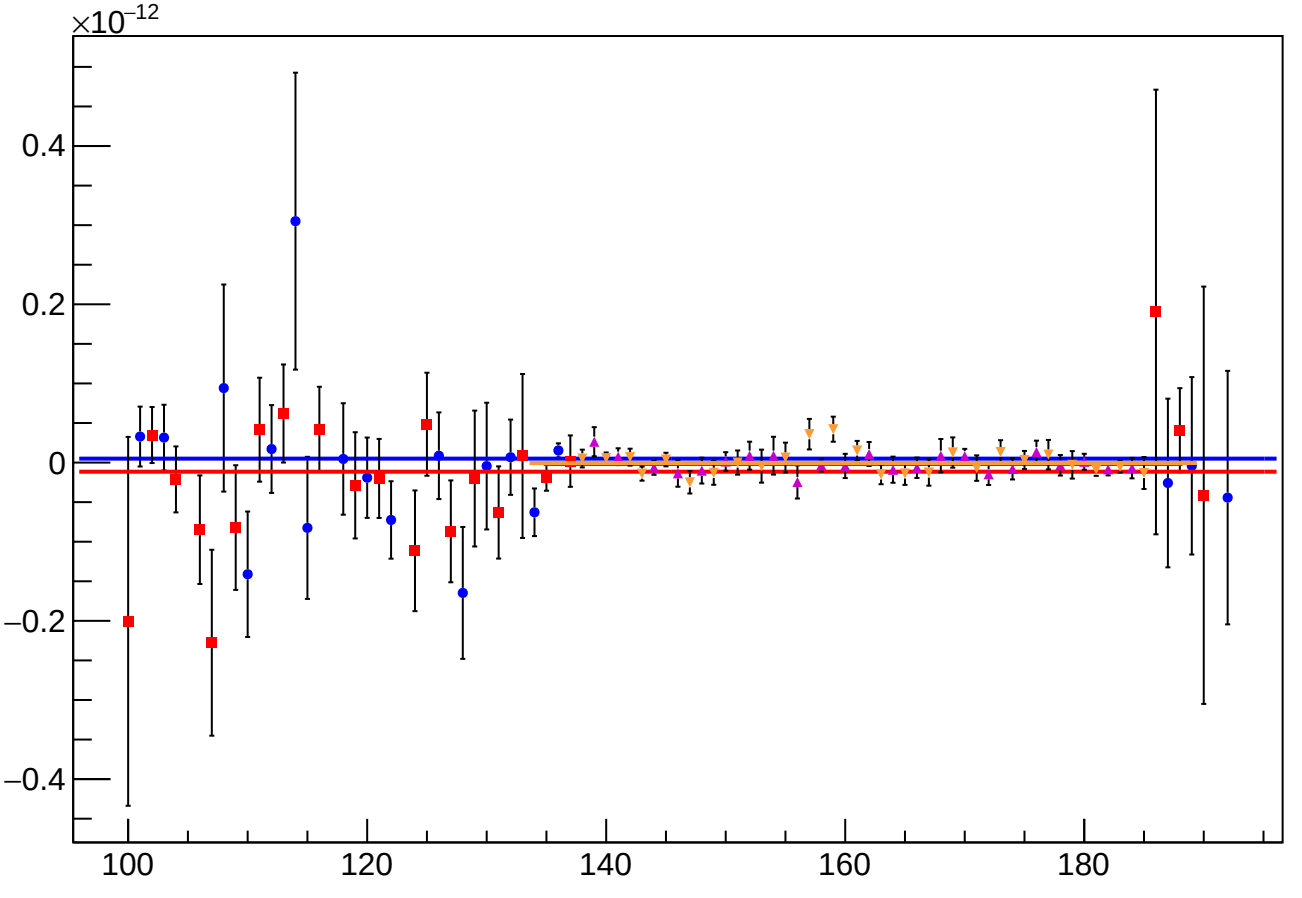
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 38.699+/-0.007 χ^2/NDF: 4140430.2/40

In: 38.425+/-0.006 χ^2/NDF:3522371.4/41

Out: 38.471+/-0.006 χ^2/NDF:4317840.0/46

All: 38.448+/-0.004 χ^2/NDF: 7840242.6/88



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: 17.5/21

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

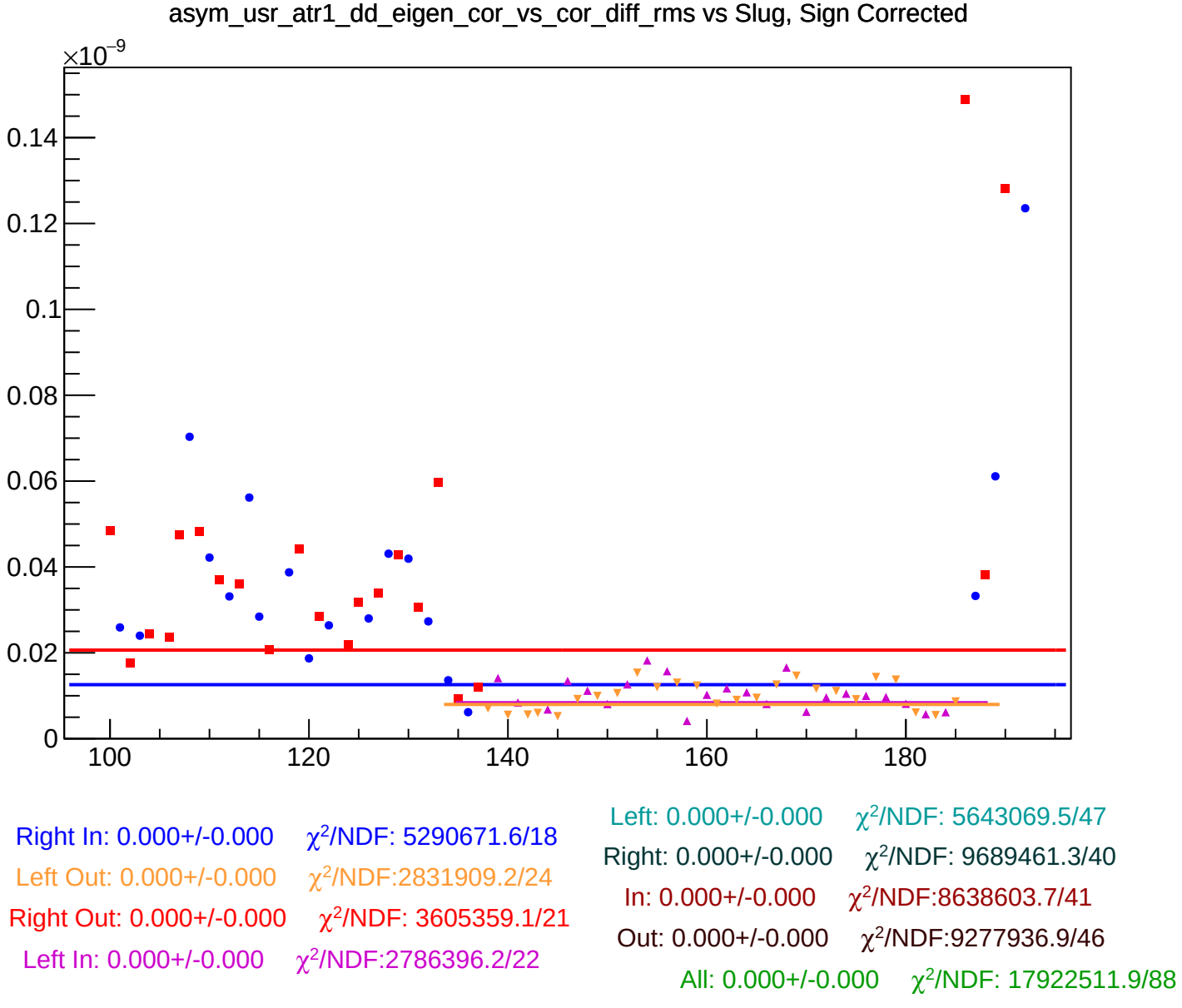
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

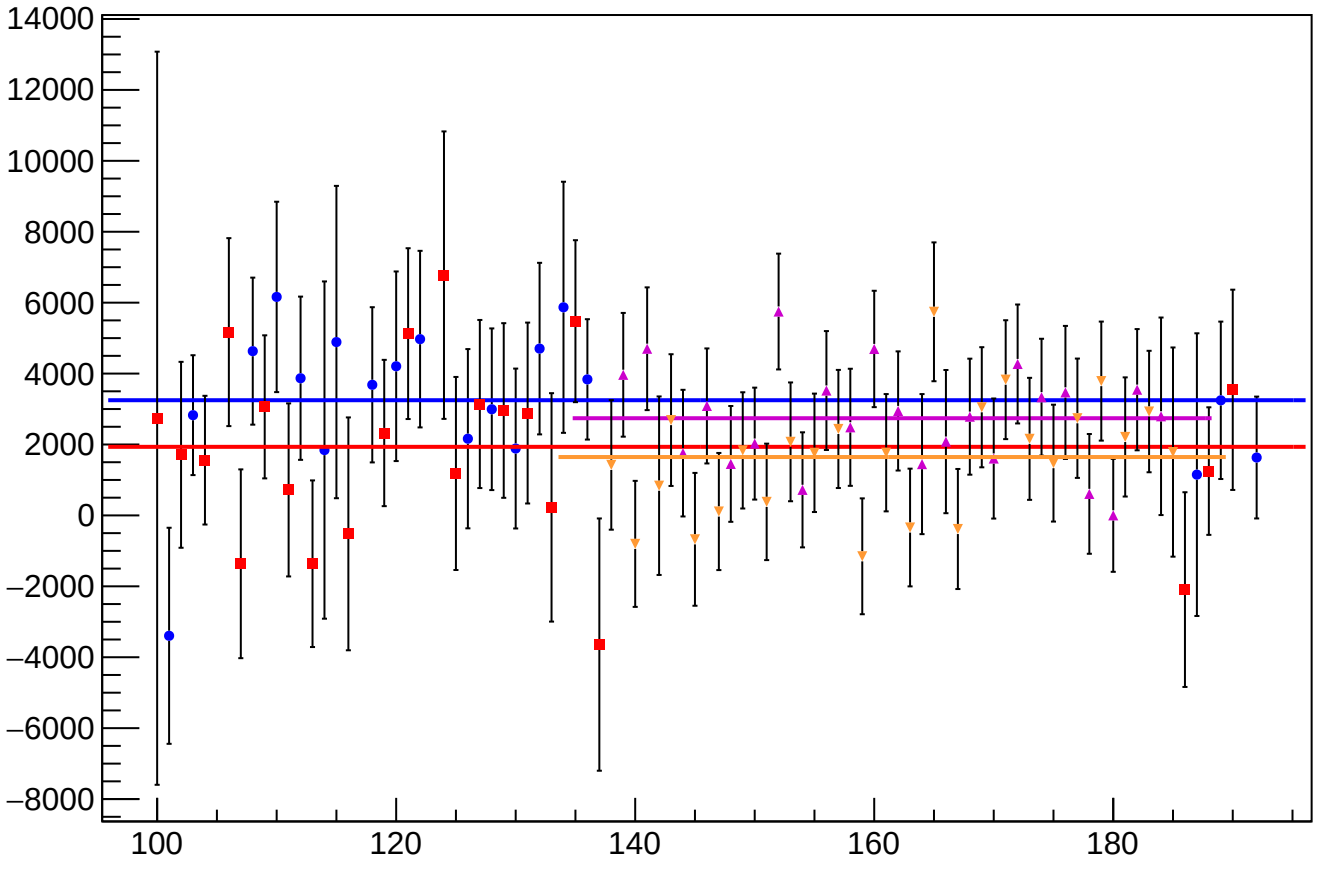
Right: -0.000+/-0.000 χ^2/NDF: 41.0/40

In: -0.000+/-0.000 χ^2/NDF:34.2/41

Out: -0.000+/-0.000 χ^2/NDF:45.5/46

All: -0.000+/-0.000 χ^2/NDF: 79.7/88


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 5290671.6/18
Left Out: 0.000+/-0.000 χ²/NDF:2831909.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 3605359.1/21
Left In: 0.000+/-0.000 χ²/NDF:2786396.2/22
Left: 0.000+/-0.000 χ²/NDF: 5643069.5/47
Right: 0.000+/-0.000 χ²/NDF: 9689461.3/40
In: 0.000+/-0.000 χ²/NDF:8638603.7/41
Out: 0.000+/-0.000 χ²/NDF:9277936.9/46
All: 0.000+/-0.000 χ²/NDF: 17922511.9/88



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: 1933.973+/-537.358 χ^2/NDF: 17.8/21

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

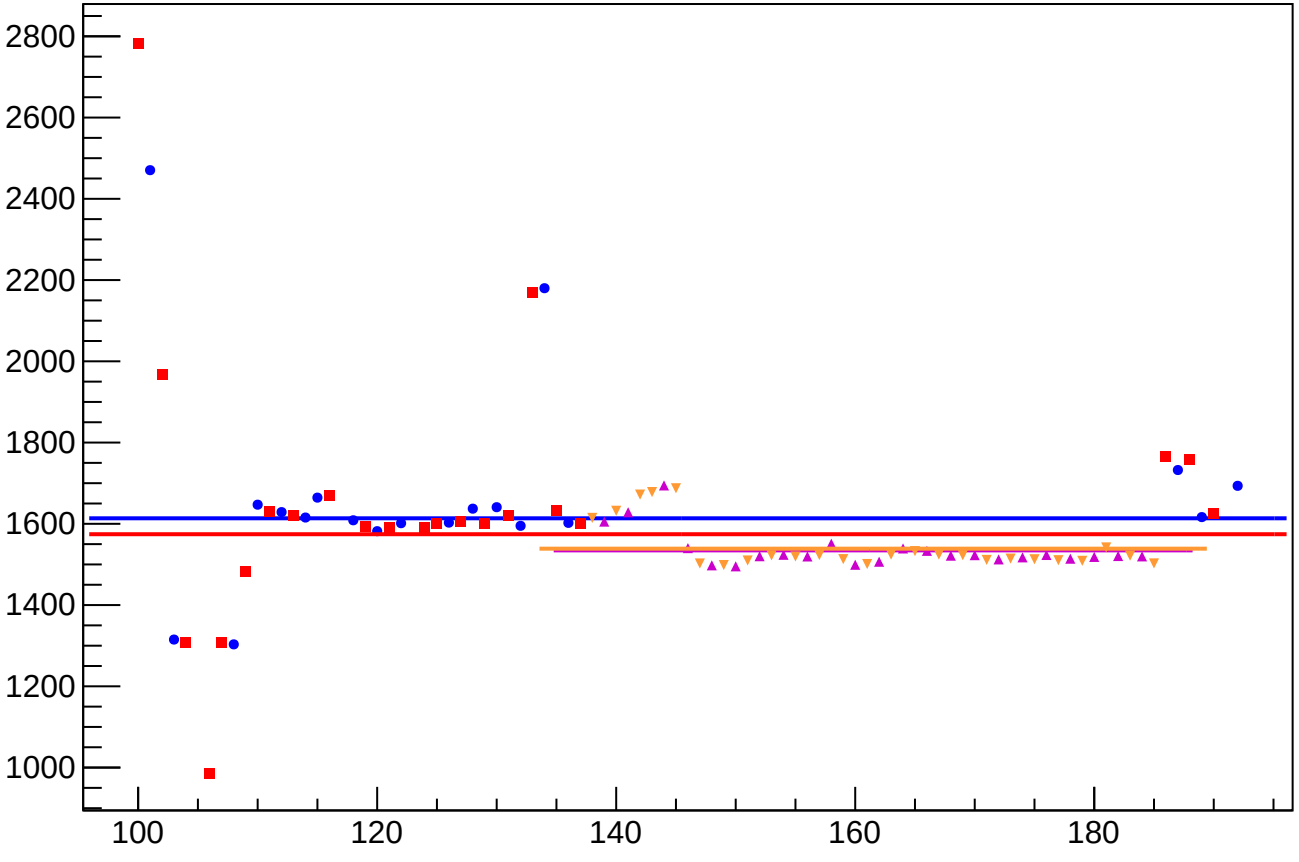
Right: 2582.473+/-382.512 χ^2/NDF: 30.9/40

In: 2894.382+/-299.423 χ^2/NDF:27.2/41

Out: 1731.978+/-293.134 χ^2/NDF:39.0/46

All: 2300.844+/-209.465 χ^2/NDF: 73.9/88

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: 1574.396+/-0.375 χ^2/NDF: 412647.1/21

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

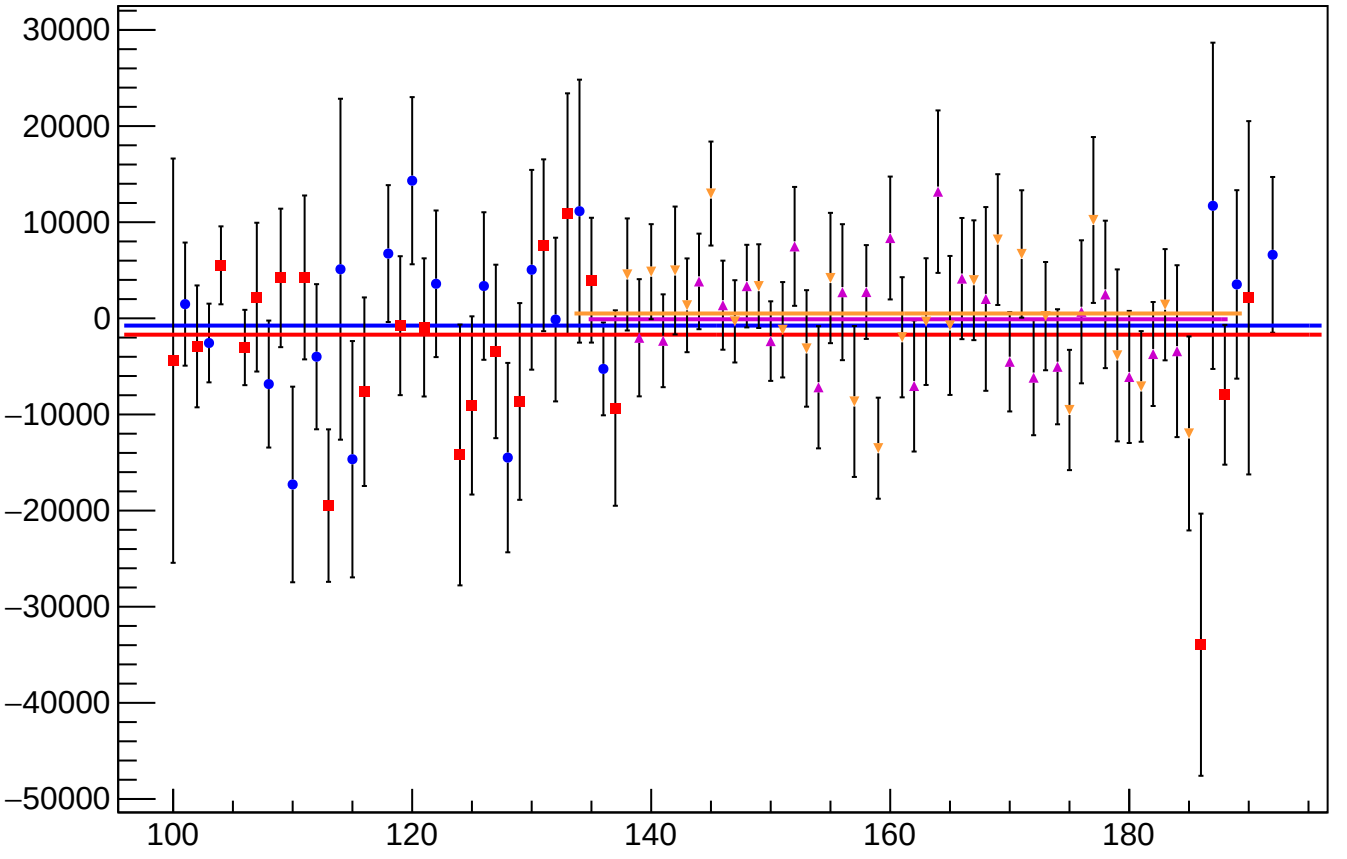
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

Right: 1593.450+/-0.269 χ^2/NDF: 742382.1/40

In: 1558.483+/-0.212 χ^2/NDF:384874.4/41

Out: 1549.610+/-0.206 χ^2/NDF:465987.1/46

All: 1553.934+/-0.148 χ^2/NDF: 851762.0/88



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: -1699.882+/-1609.277 χ^2/NDF: 21.9/21

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

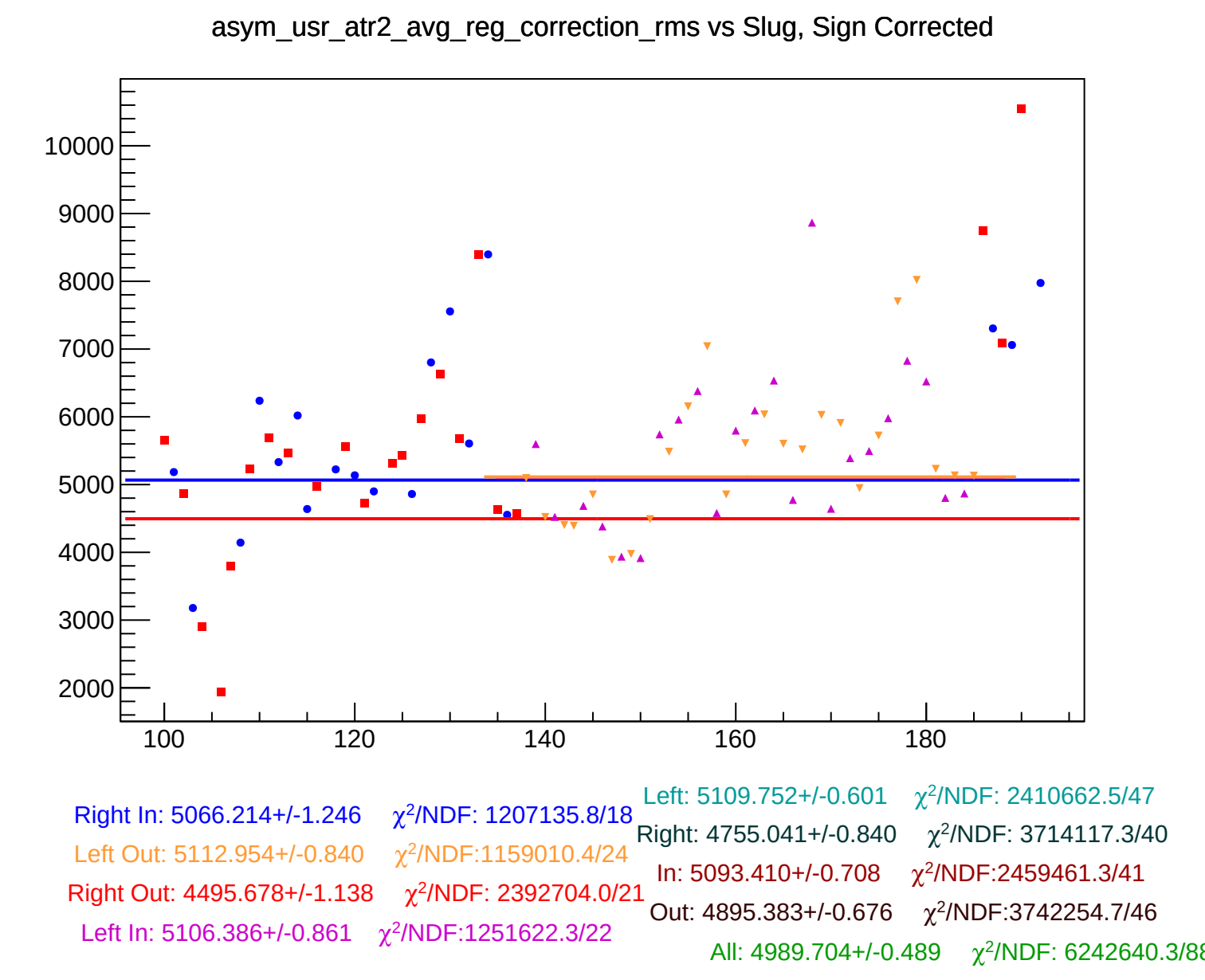
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

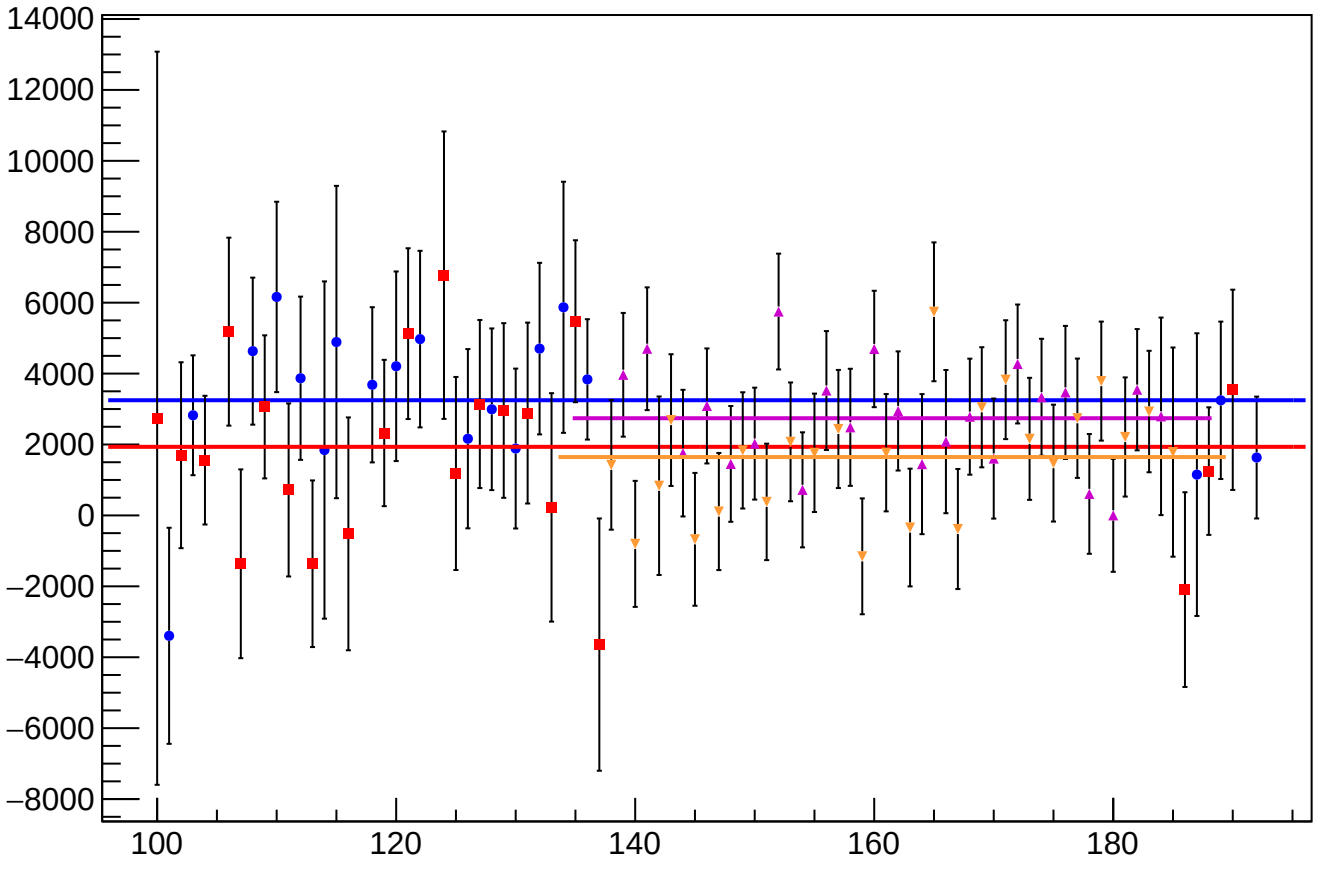
Right: -1269.882+/-1188.475 χ^2/NDF: 37.6/40

In: -309.832+/-1001.818 χ^2/NDF:30.5/41

Out: -272.902+/-955.415 χ^2/NDF:50.0/46

All: -290.492+/-691.403 χ^2/NDF: 80.5/88


asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
Right In: 5066.214+/-1.246 χ²/NDF: 1207135.8/18
Left Out: 5112.954+/-0.840 χ²/NDF:1159010.4/24
Right Out: 4495.678+/-1.138 χ²/NDF: 2392704.0/21
Left In: 5106.386+/-0.861 χ²/NDF:1251622.3/22
Left: 5109.752+/-0.601 χ²/NDF: 2410662.5/47
Right: 4755.041+/-0.840 χ²/NDF: 3714117.3/40
In: 5093.410+/-0.708 χ²/NDF:2459461.3/41
Out: 4895.383+/-0.676 χ²/NDF:3742254.7/46
All: 4989.704+/-0.489 χ²/NDF: 6242640.3/88



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: 1933.939+/-537.360 χ^2/NDF: 17.8/21

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

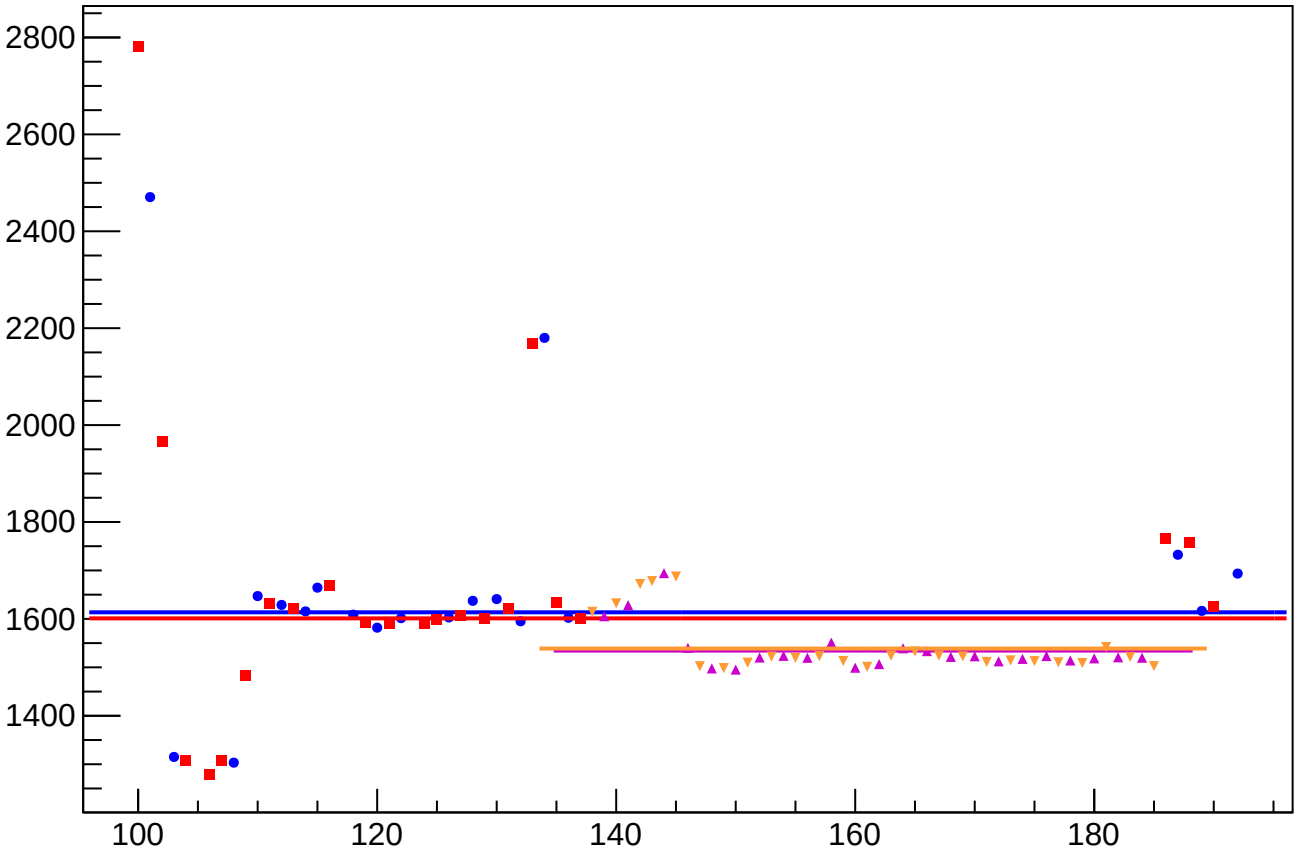
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2582.332+/-382.513 χ^2/NDF: 30.9/40

In: 2894.236+/-299.423 χ^2/NDF:27.2/41

Out: 1731.891+/-293.134 χ^2/NDF:39.0/46

All: 2300.729+/-209.465 χ^2/NDF: 73.9/88



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: 1601.076+/-0.379 χ^2/NDF: 269658.2/21

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

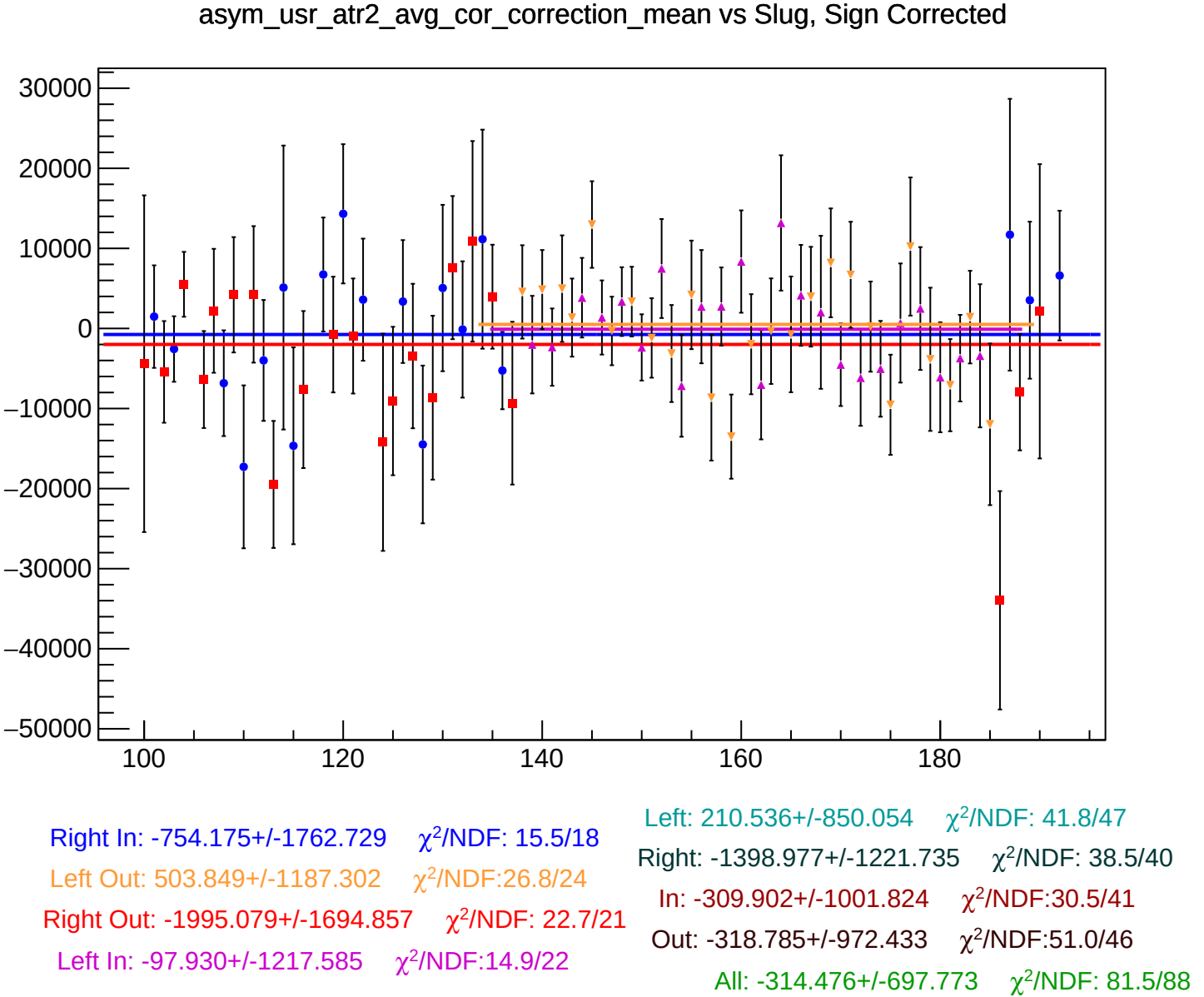
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

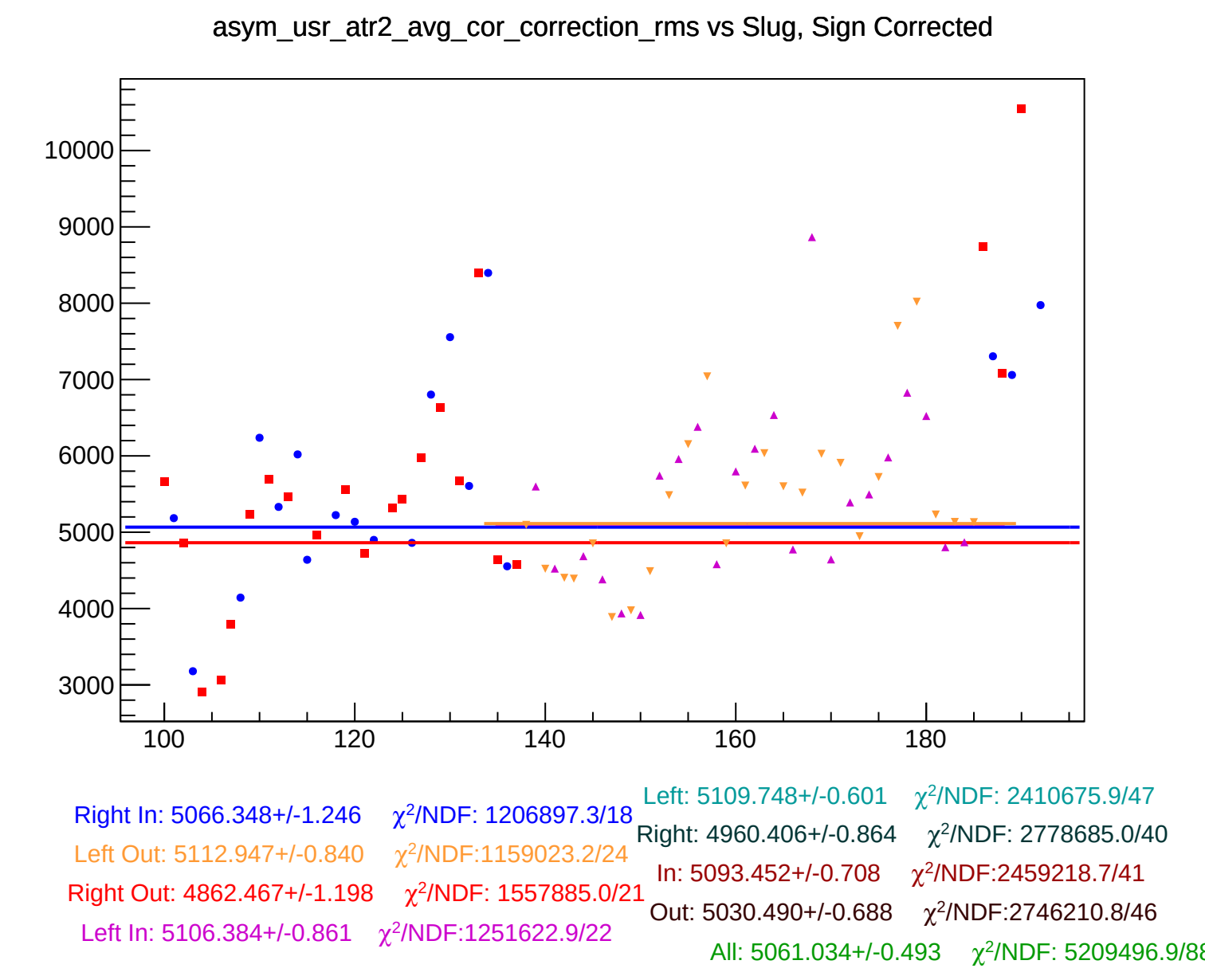
Right: 1607.225+/-0.270 χ^2/NDF: 594609.0/40

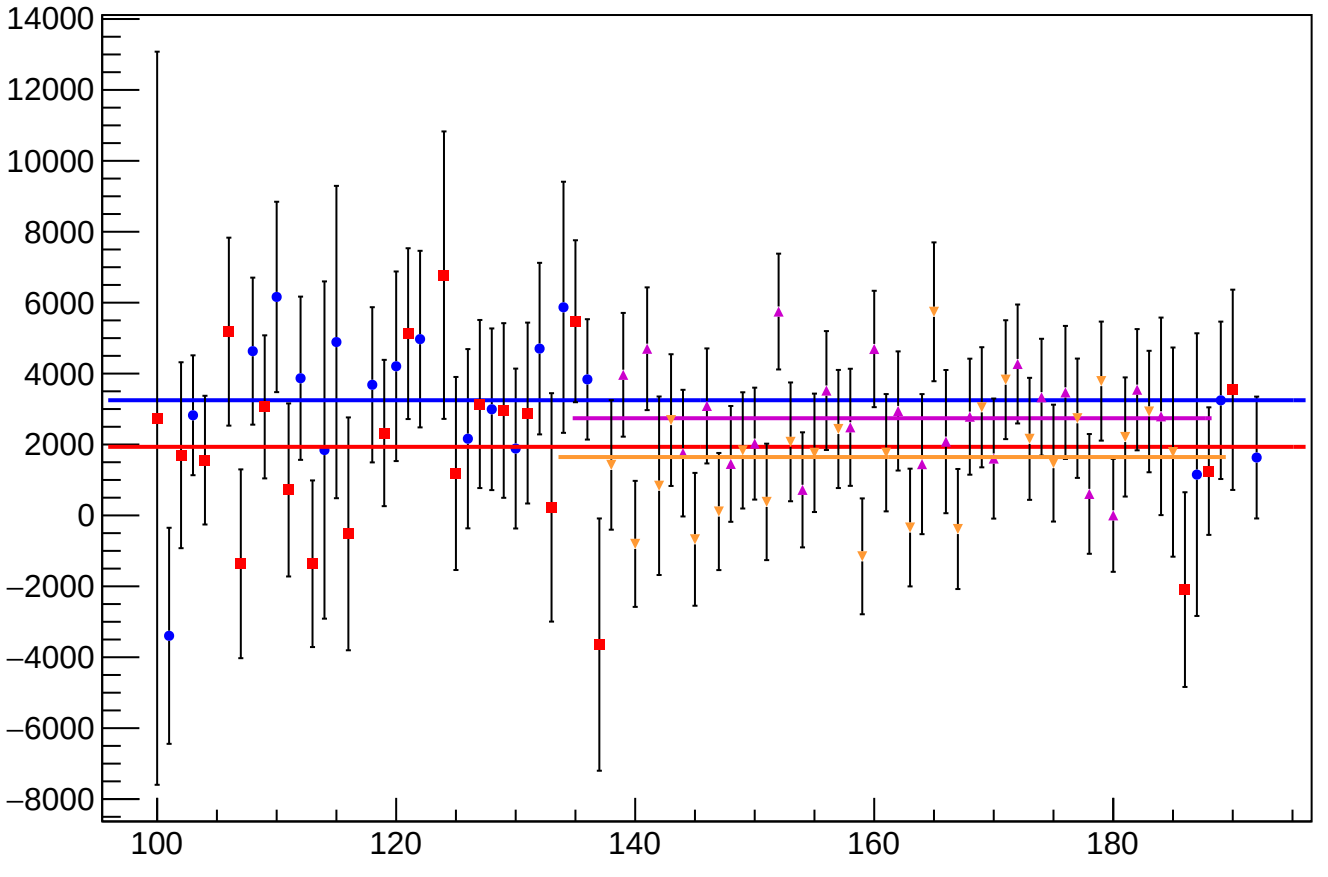
In: 1558.483+/-0.212 χ^2/NDF:384873.6/41

Out: 1557.425+/-0.207 χ^2/NDF:335664.4/46

All: 1557.942+/-0.148 χ^2/NDF: 720550.8/88


asym_usr_atr2_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
Right In: -754.175+/-1762.729 χ²/NDF: 15.5/18
Left Out: 503.849+/-1187.302 χ²/NDF:26.8/24
Right Out: -1995.079+/-1694.857 χ²/NDF: 22.7/21
Left In: -97.930+/-1217.585 χ²/NDF:14.9/22
Left: 210.536+/-850.054 χ²/NDF: 41.8/47
Right: -1398.977+/-1221.735 χ²/NDF: 38.5/40
In: -309.902+/-1001.824 χ²/NDF:30.5/41
Out: -318.785+/-972.433 χ²/NDF:51.0/46
All: -314.476+/-697.773 χ²/NDF: 81.5/88


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: 4862.467+/-1.198 χ²/NDF: 1557885.0/21
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
Left: 5109.748+/-0.601 χ²/NDF: 2410675.9/47
Right: 4960.406+/-0.864 χ²/NDF: 2778685.0/40
In: 5093.452+/-0.708 χ²/NDF:2459218.7/41
Out: 5030.490+/-0.688 χ²/NDF:2746210.8/46
All: 5061.034+/-0.493 χ²/NDF: 5209496.9/88



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: 1933.939+/-537.360 χ^2/NDF: 17.8/21

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

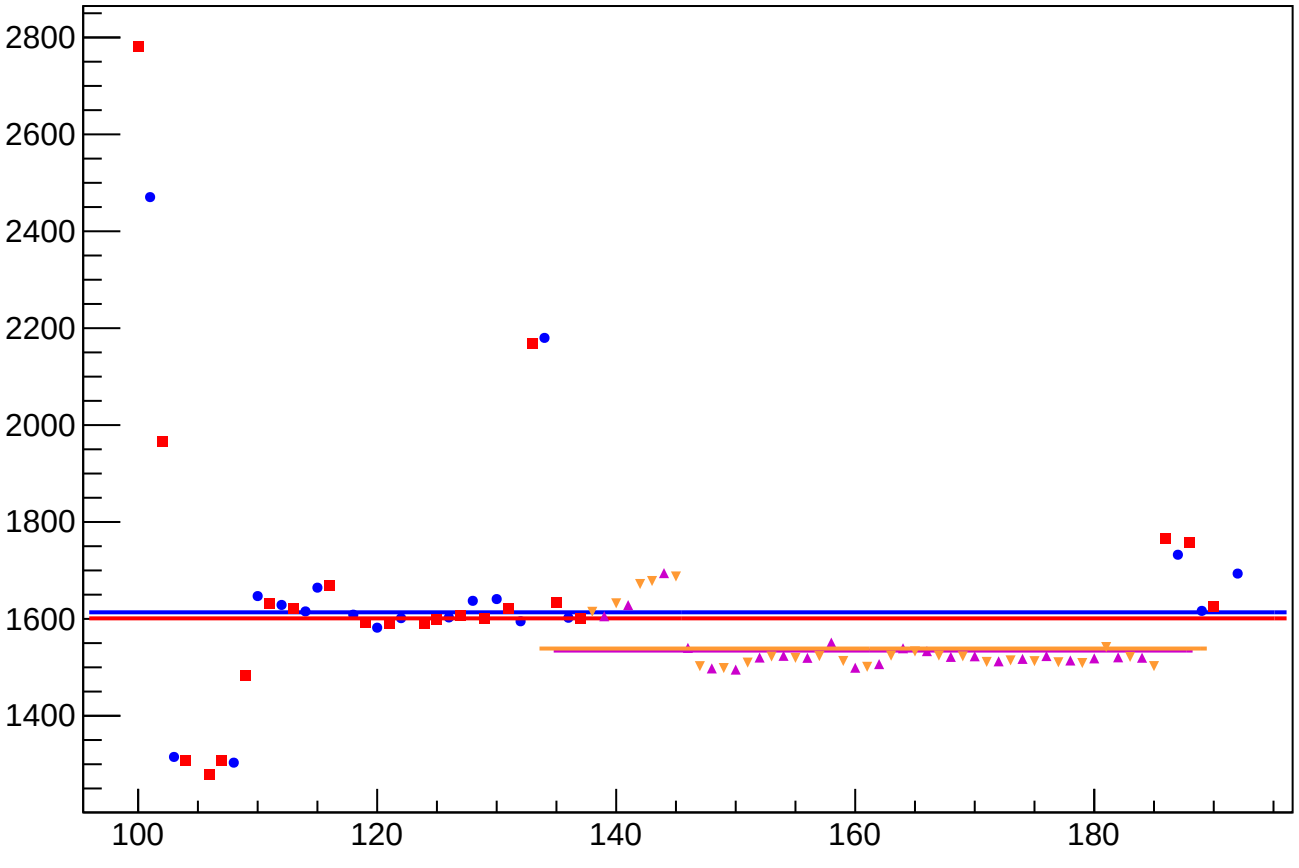
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2582.332+/-382.513 χ^2/NDF: 30.9/40

In: 2894.236+/-299.423 χ^2/NDF:27.2/41

Out: 1731.891+/-293.134 χ^2/NDF:39.0/46

All: 2300.729+/-209.465 χ^2/NDF: 73.9/88



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: 1601.076+/-0.379 χ^2/NDF: 269658.2/21

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

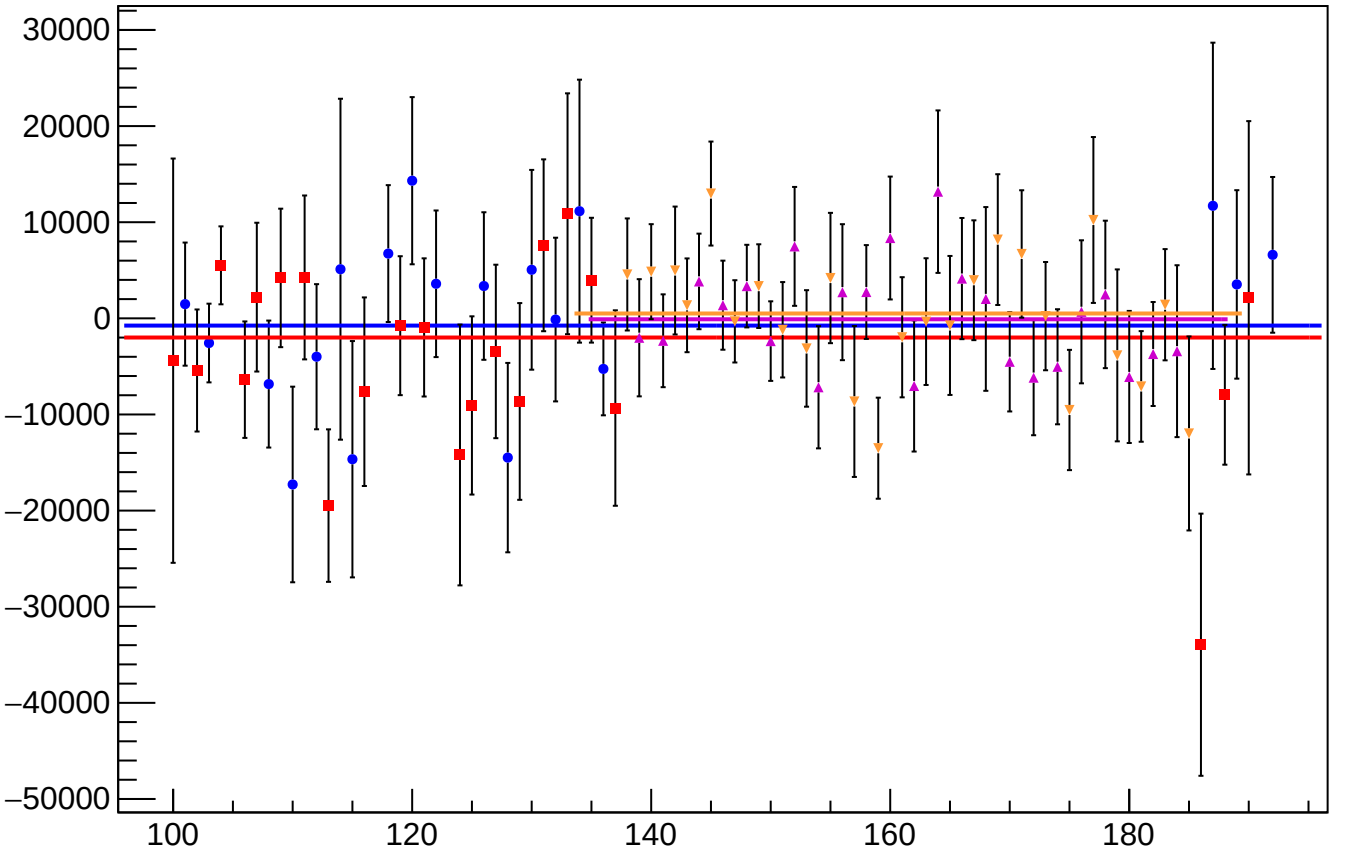
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1607.225+/-0.270 χ^2/NDF: 594609.0/40

In: 1558.483+/-0.212 χ^2/NDF:384873.6/41

Out: 1557.425+/-0.207 χ^2/NDF:335664.4/46

All: 1557.942+/-0.148 χ^2/NDF: 720550.8/88



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: -1995.079+/-1694.857 χ^2/NDF: 22.7/21

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

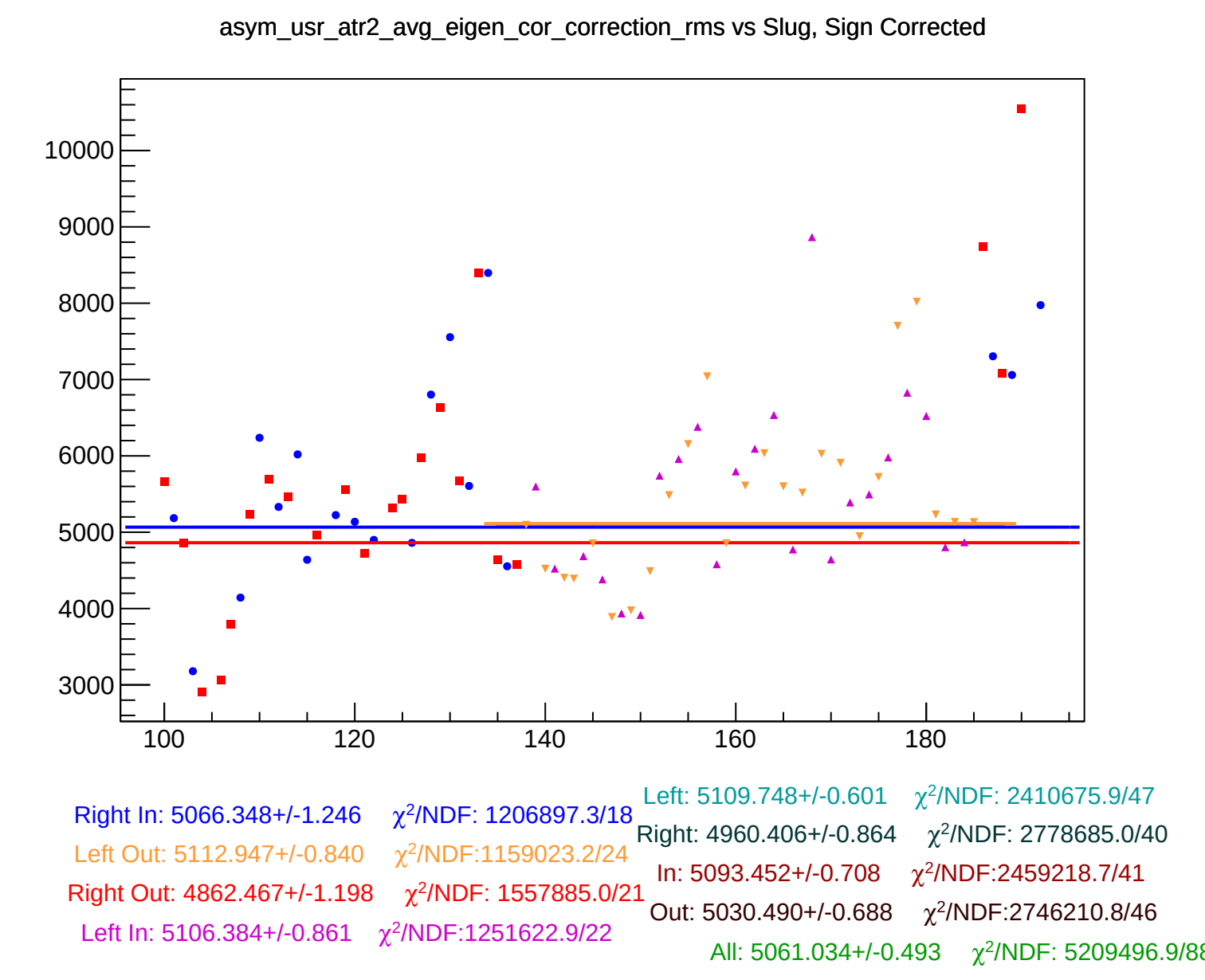
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

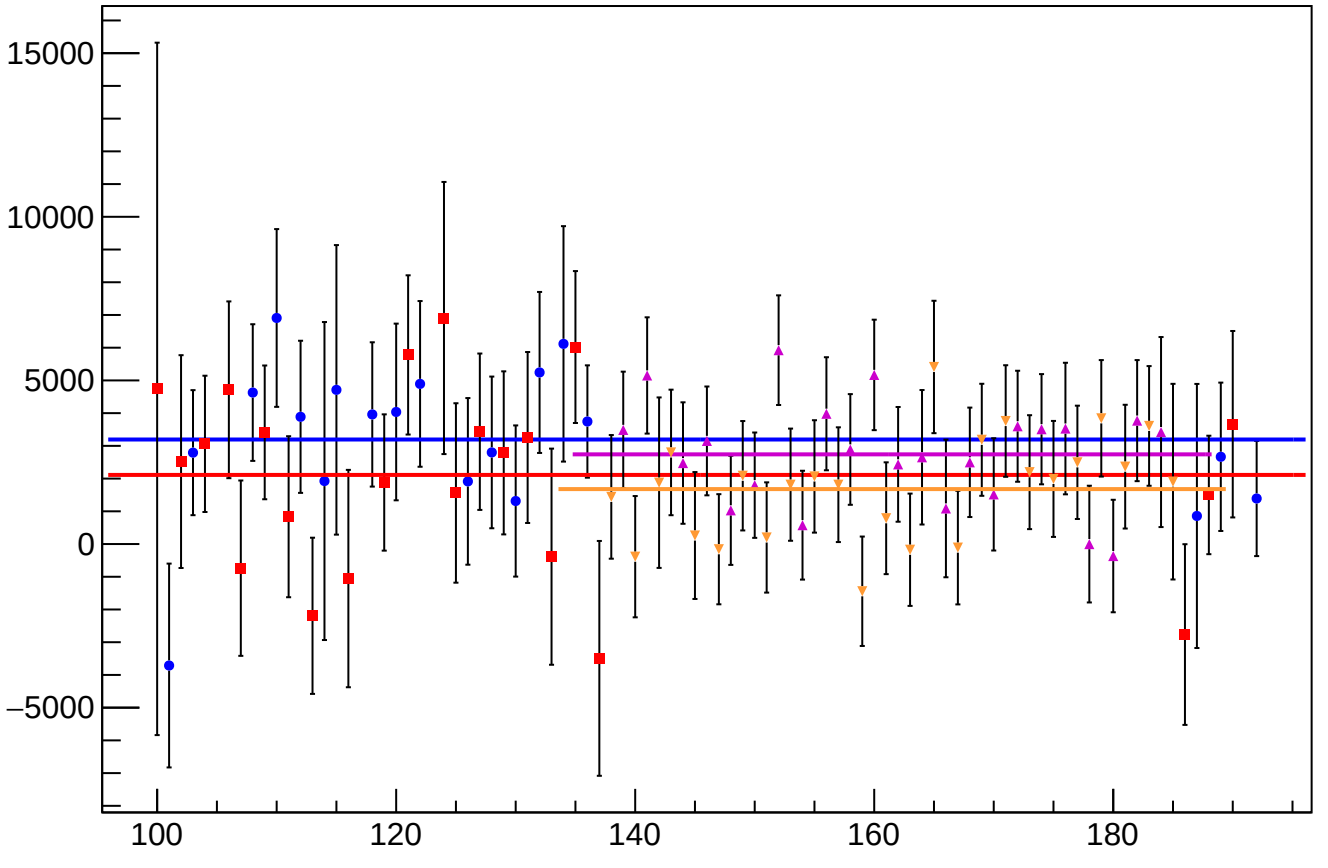
Right: -1398.977+/-1221.735 χ^2/NDF: 38.5/40

In: -309.902+/-1001.824 χ^2/NDF:30.5/41

Out: -318.785+/-972.433 χ^2/NDF:51.0/46

All: -314.476+/-697.773 χ^2/NDF: 81.5/88


asym_usr_atr2_avg_eigen_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: 4862.467+/-1.198 χ²/NDF: 1557885.0/21
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
Left: 5109.748+/-0.601 χ²/NDF: 2410675.9/47
Right: 4960.406+/-0.864 χ²/NDF: 2778685.0/40
In: 5093.452+/-0.708 χ²/NDF:2459218.7/41
Out: 5030.490+/-0.688 χ²/NDF:2746210.8/46
All: 5061.034+/-0.493 χ²/NDF: 5209496.9/88



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: 2112.190+/-553.071 χ^2/NDF: 20.8/21

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

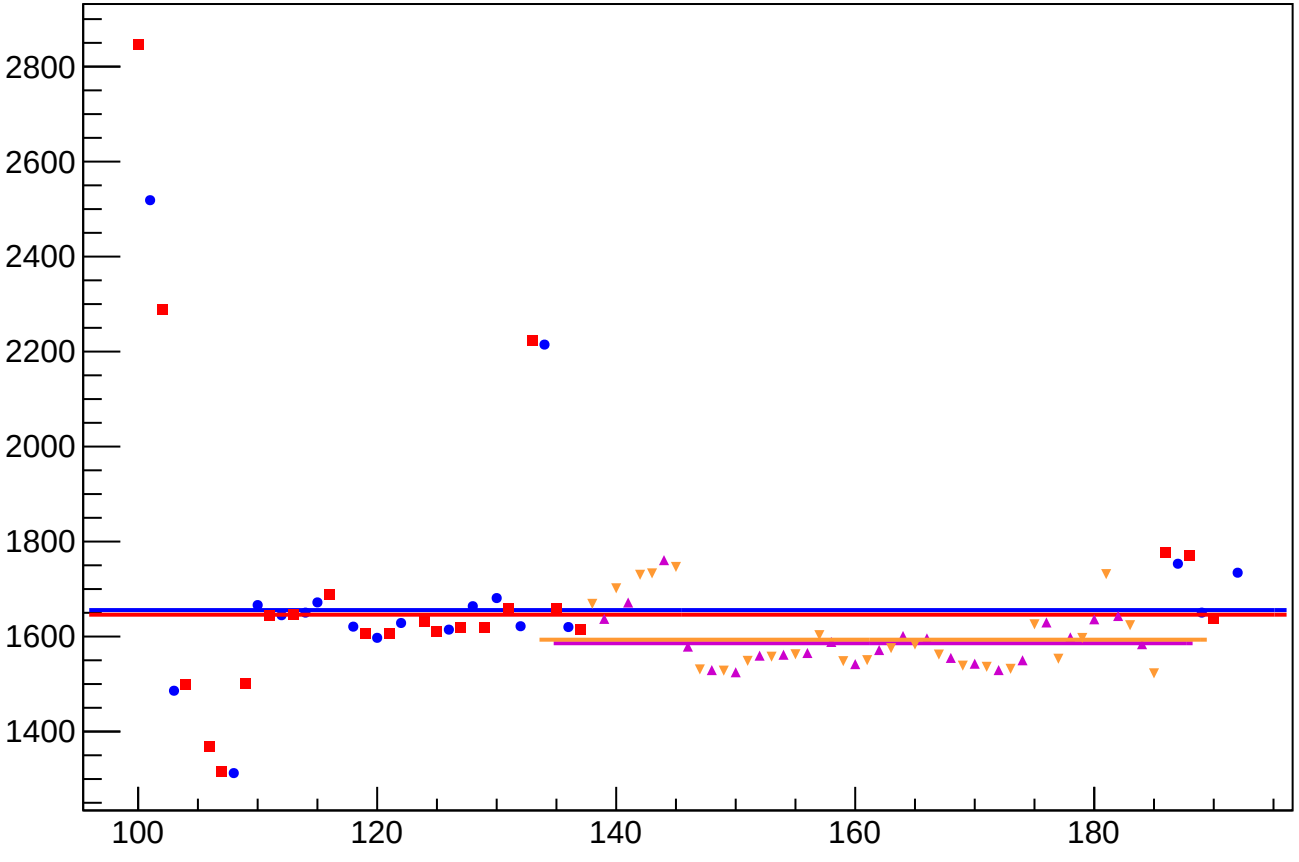
Right: 2648.208+/-392.923 χ^2/NDF: 34.8/40

In: 2879.455+/-308.771 χ^2/NDF:31.7/41

Out: 1809.232+/-303.118 χ^2/NDF:40.2/46

All: 2334.456+/-216.308 χ^2/NDF: 78.0/88

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: 1646.040+/-0.391 χ^2/NDF: 253572.7/21

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

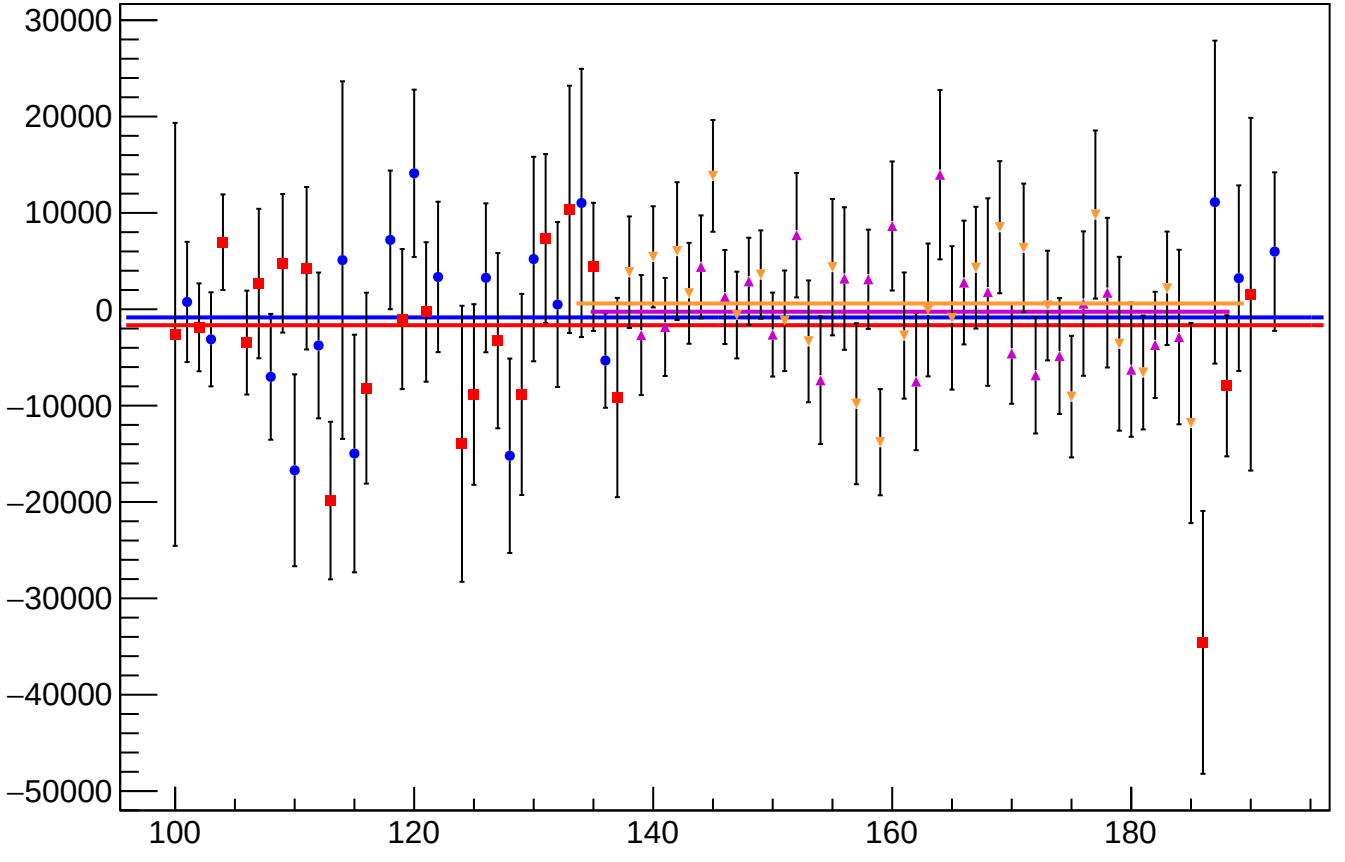
Right: 1650.841+/-0.278 χ^2/NDF: 534574.7/40

In: 1607.273+/-0.218 χ^2/NDF:344324.9/41

Out: 1609.219+/-0.214 χ^2/NDF:338143.4/46

All: 1608.264+/-0.153 χ^2/NDF: 682508.8/88

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: -1654.518+/-1680.534 χ^2/NDF: 21.9/21

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

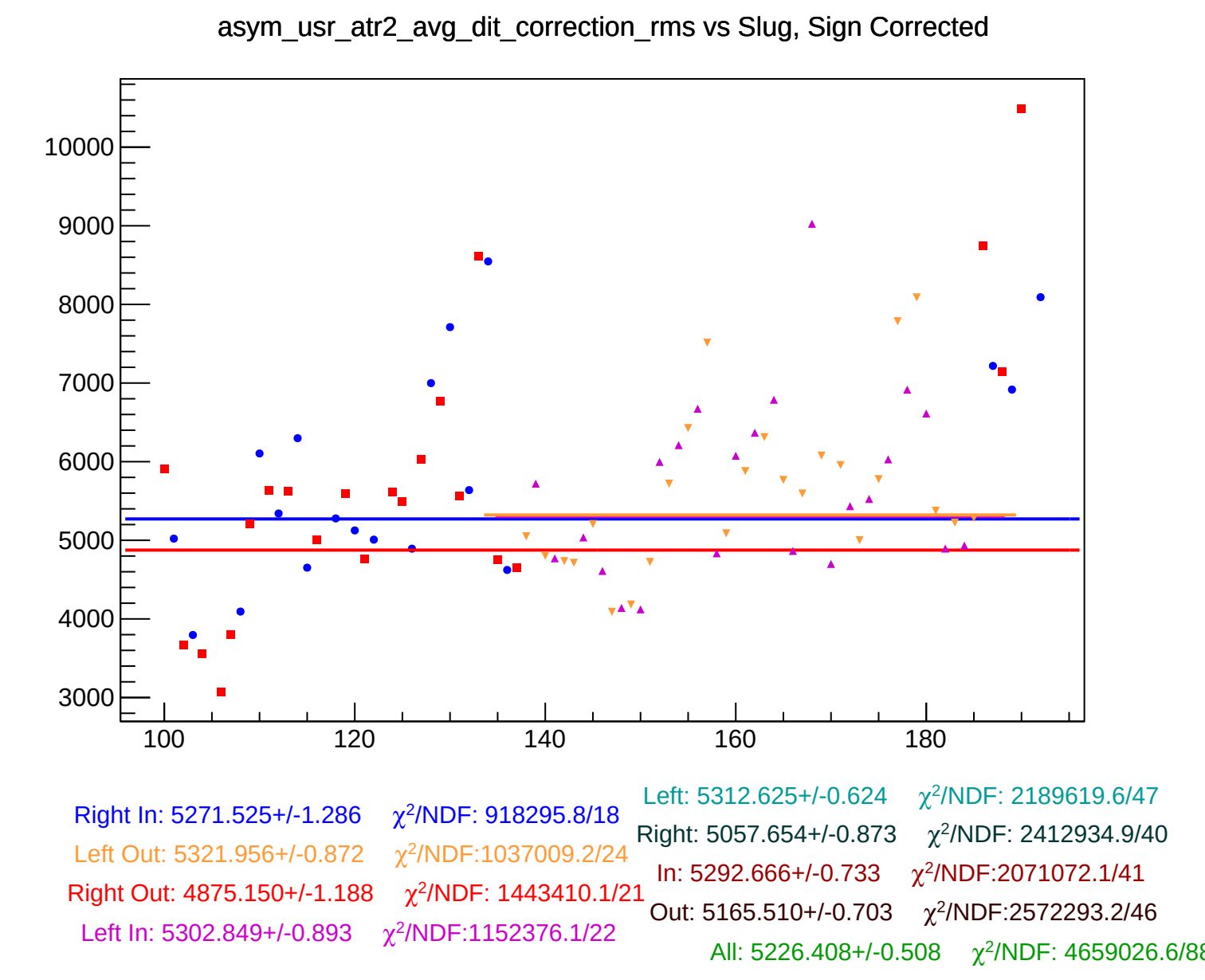
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

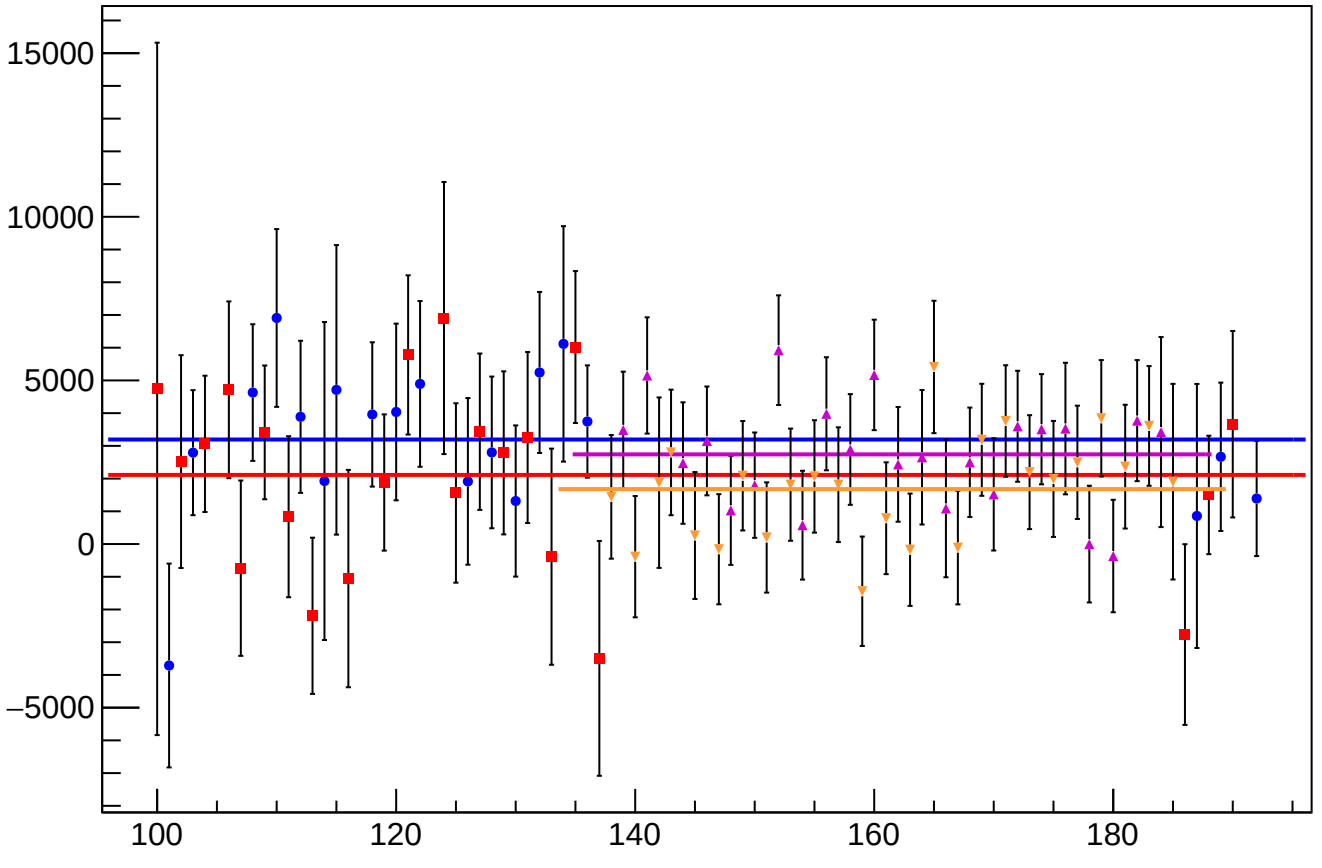
Right: -1282.004+/-1234.440 χ^2/NDF: 37.4/40

In: -447.567+/-1037.266 χ^2/NDF:30.1/41

Out: -188.218+/-994.418 χ^2/NDF:49.1/46

All: -312.425+/-717.830 χ^2/NDF: 79.2/88


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: 4875.150+/-1.188 χ²/NDF: 1443410.1/21
Left In: 5302.849+/-0.893 χ²/NDF:1152376.1/22
Left: 5312.625+/-0.624 χ²/NDF: 2189619.6/47
Right: 5057.654+/-0.873 χ²/NDF: 2412934.9/40
In: 5292.666+/-0.733 χ²/NDF:2071072.1/41
Out: 5165.510+/-0.703 χ²/NDF:2572293.2/46
All: 5226.408+/-0.508 χ²/NDF: 4659026.6/88



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: 2112.193+/-553.071 χ^2/NDF: 20.8/21

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

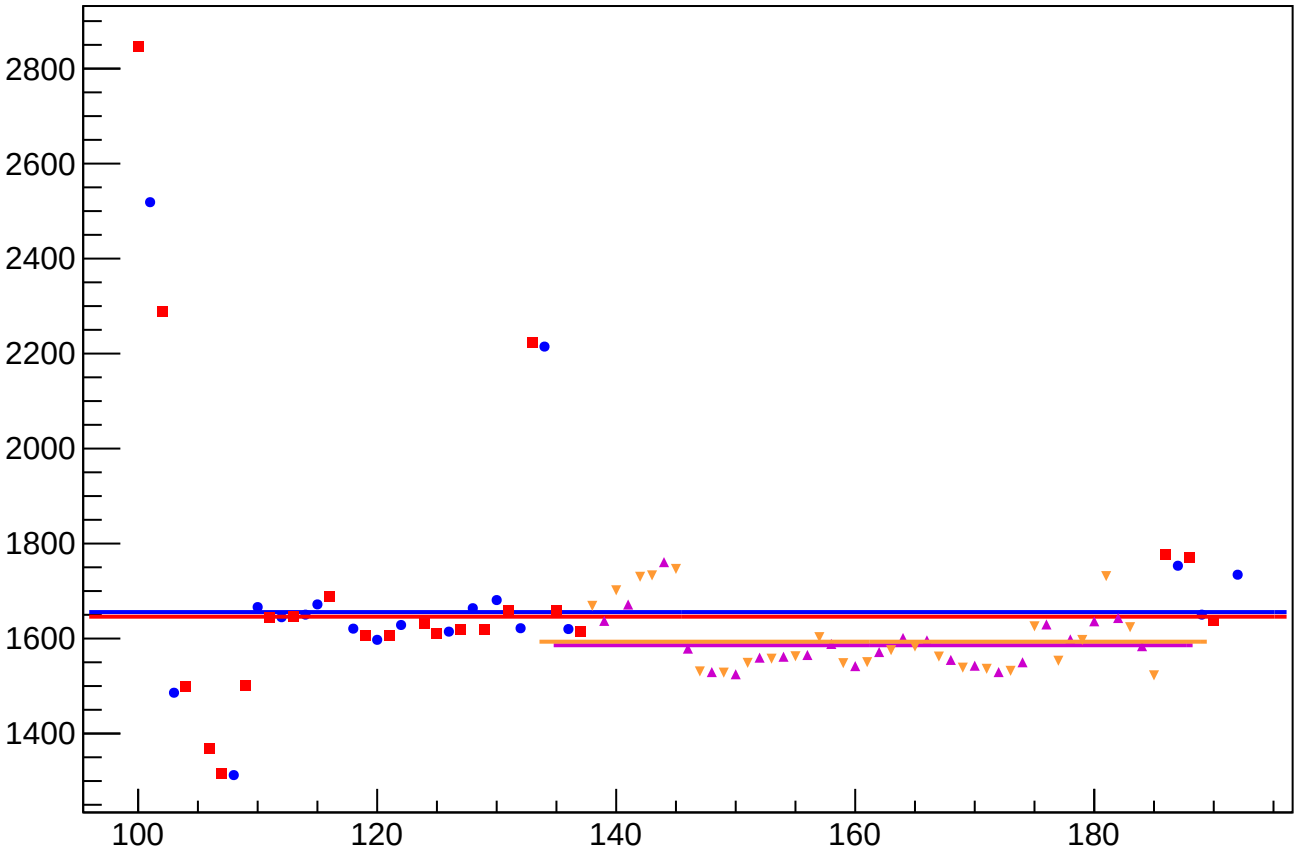
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2648.211+/-392.923 χ^2/NDF: 34.8/40

In: 2879.456+/-308.771 χ^2/NDF:31.7/41

Out: 1809.229+/-303.118 χ^2/NDF:40.2/46

All: 2334.455+/-216.308 χ^2/NDF: 78.0/88



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: 1646.040+/-0.391 χ^2/NDF: 253572.4/21

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

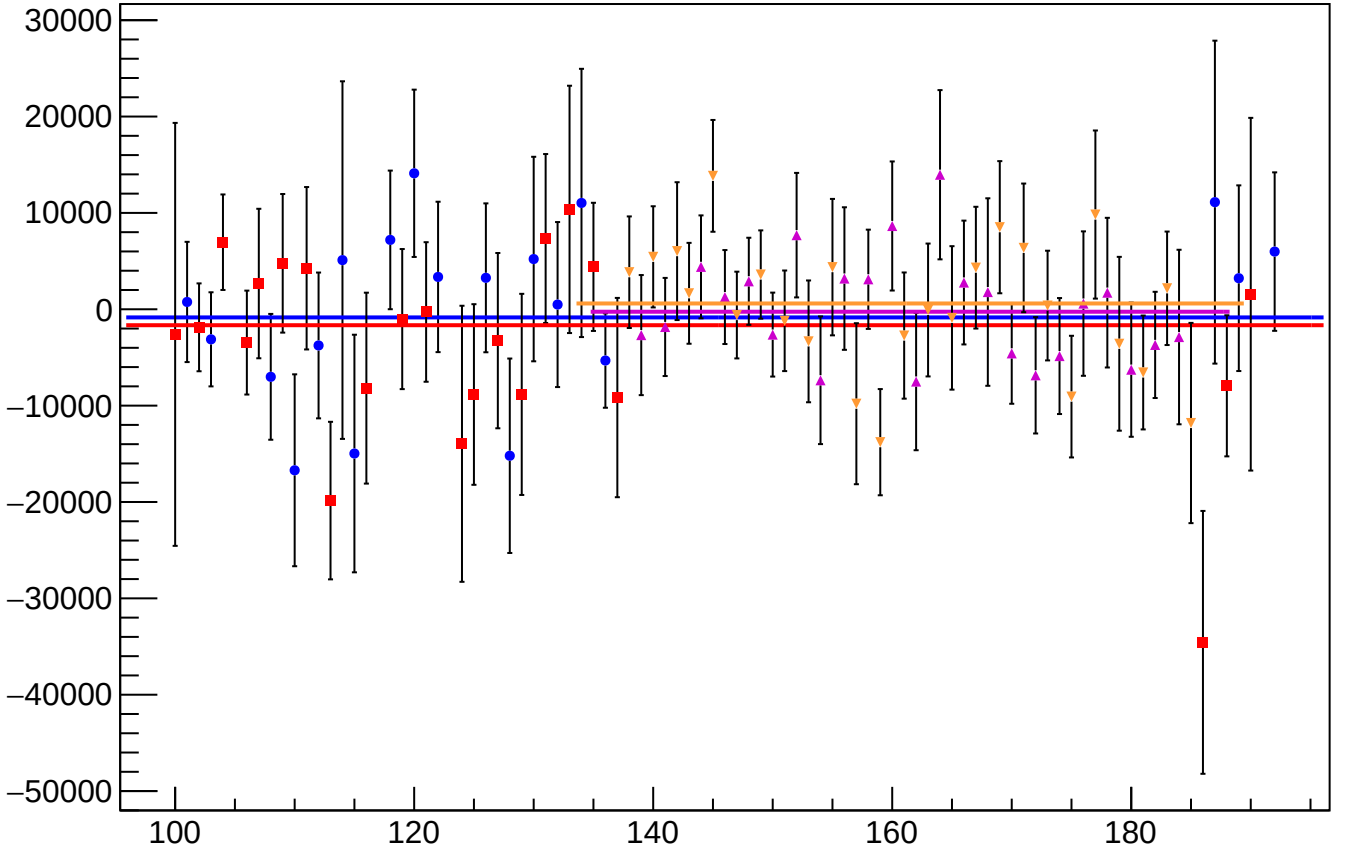
Right: 1650.840+/-0.278 χ^2/NDF: 534574.4/40

In: 1607.274+/-0.218 χ^2/NDF:344323.7/41

Out: 1609.220+/-0.214 χ^2/NDF:338142.4/46

All: 1608.265+/-0.153 χ^2/NDF: 682506.6/88

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -1654.517+/-1680.531 χ^2/NDF: 21.9/21

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

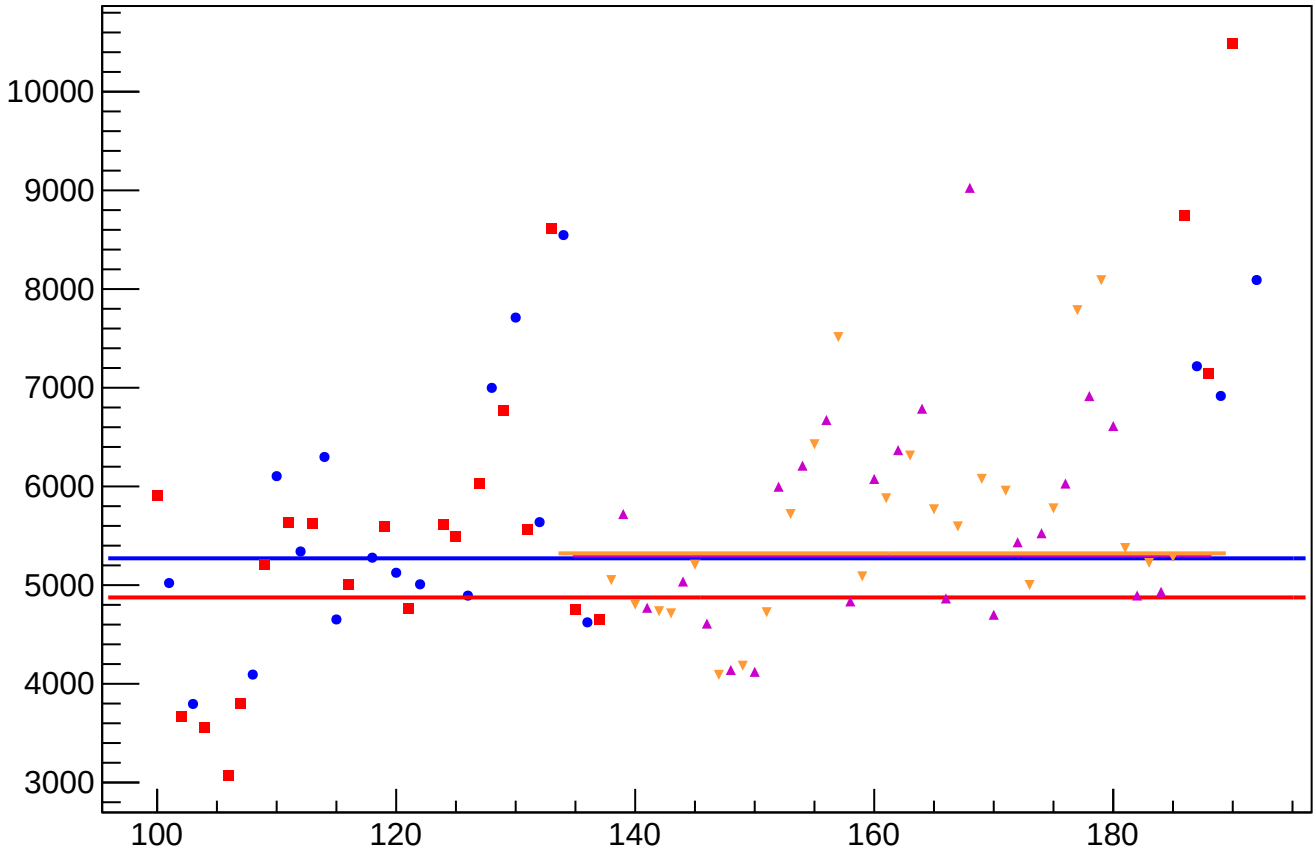
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -1281.997+/-1234.438 χ^2/NDF: 37.4/40

In: -447.565+/-1037.267 χ^2/NDF:30.1/41

Out: -188.223+/-994.419 χ^2/NDF:49.1/46

All: -312.427+/-717.830 χ^2/NDF: 79.2/88



Right In: 5271.519+/-1.286 χ^2/NDF: 918291.5/18

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 4875.143+/-1.188 χ^2/NDF: 1443406.3/21

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

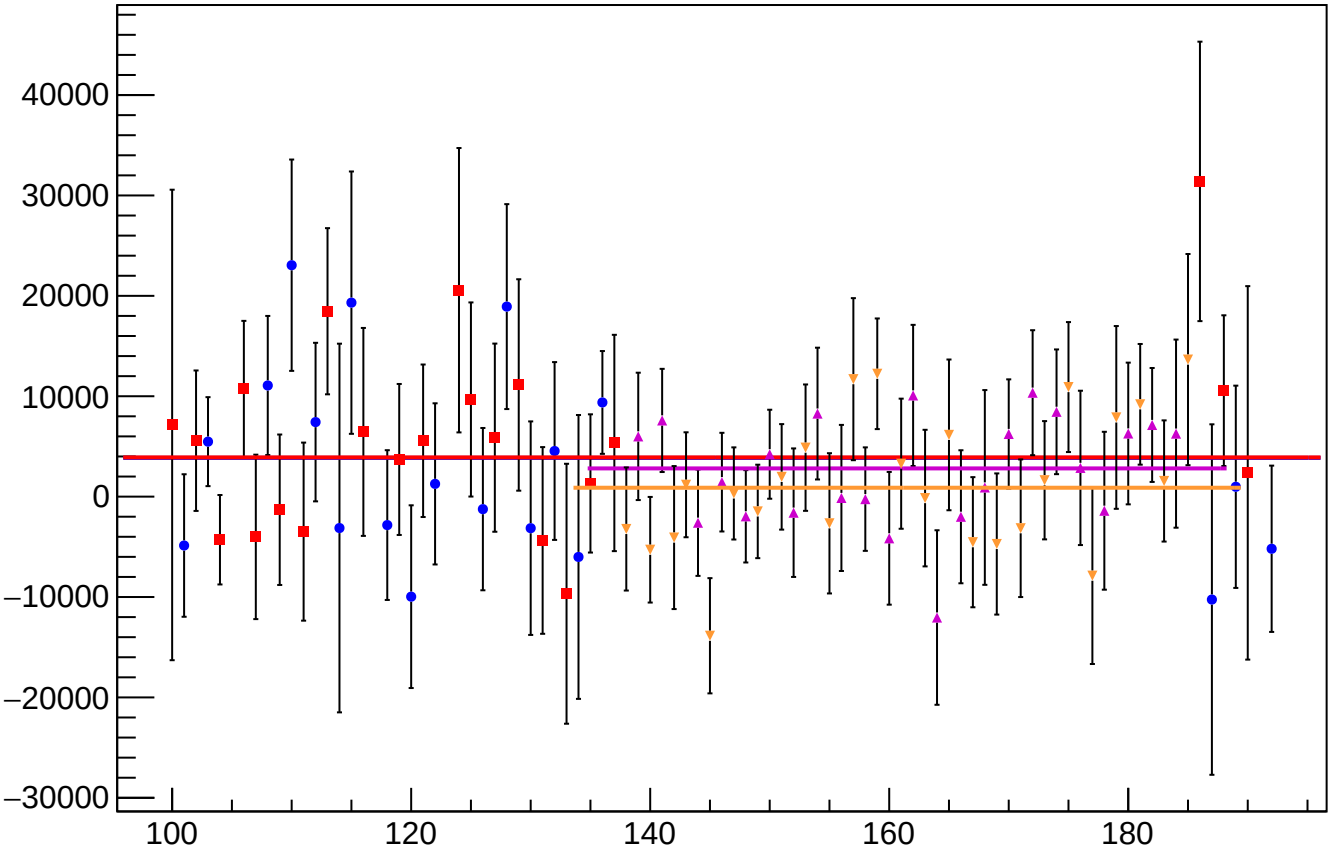
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 5057.648+/-0.873 χ^2/NDF: 2412927.0/40

In: 5292.670+/-0.733 χ^2/NDF:2071072.2/41

Out: 5165.514+/-0.703 χ^2/NDF:2572298.2/46

All: 5226.411+/-0.508 χ^2/NDF: 4659031.8/88



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: 3906.586+/-1802.215 χ^2/NDF: 18.8/21

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

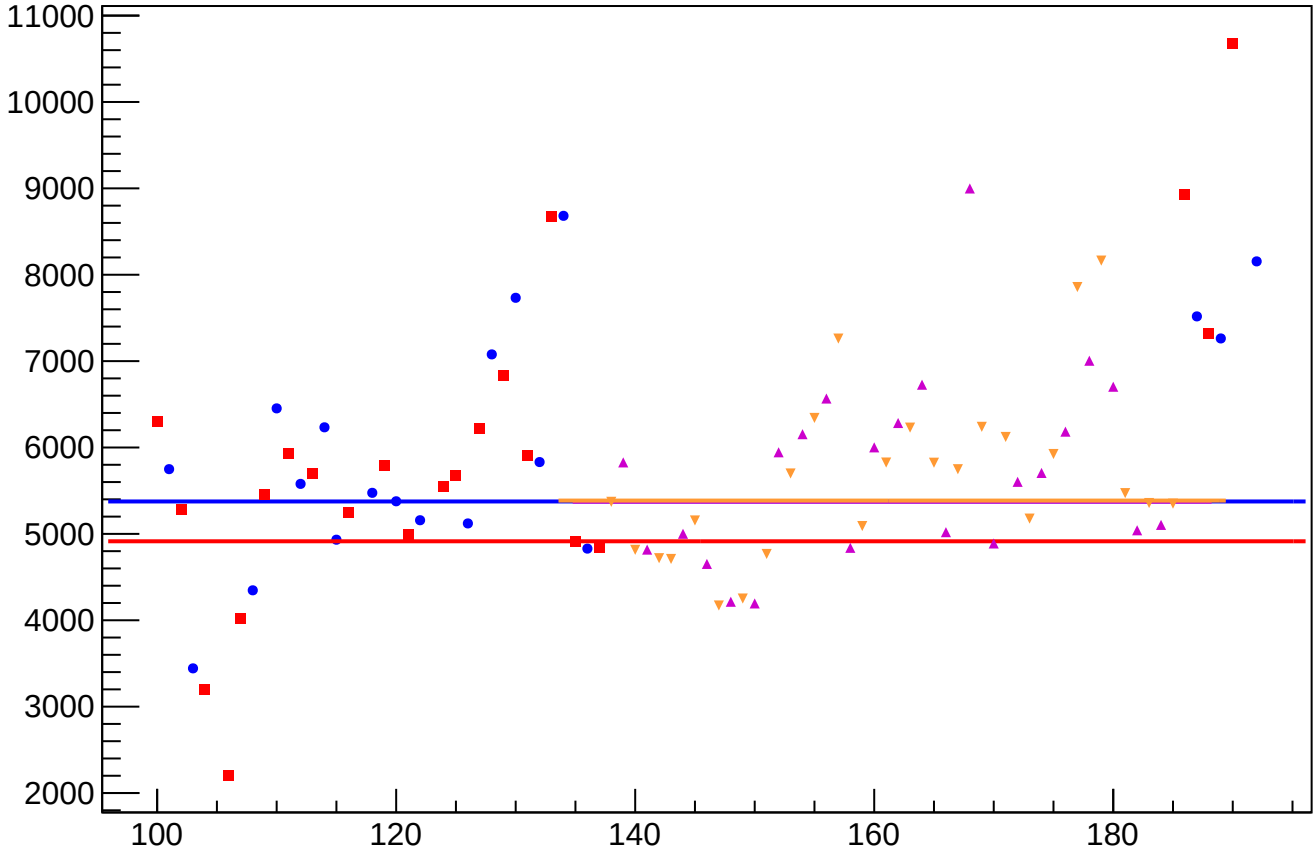
Right: 3884.212+/-1294.988 χ^2/NDF: 36.4/40

In: 3146.541+/-1053.257 χ^2/NDF:32.5/41

Out: 1863.060+/-1025.179 χ^2/NDF:46.3/46

All: 2487.465+/-734.637 χ^2/NDF: 79.6/88

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: 4914.364+/-1.229 χ^2/NDF: 1950836.4/21

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

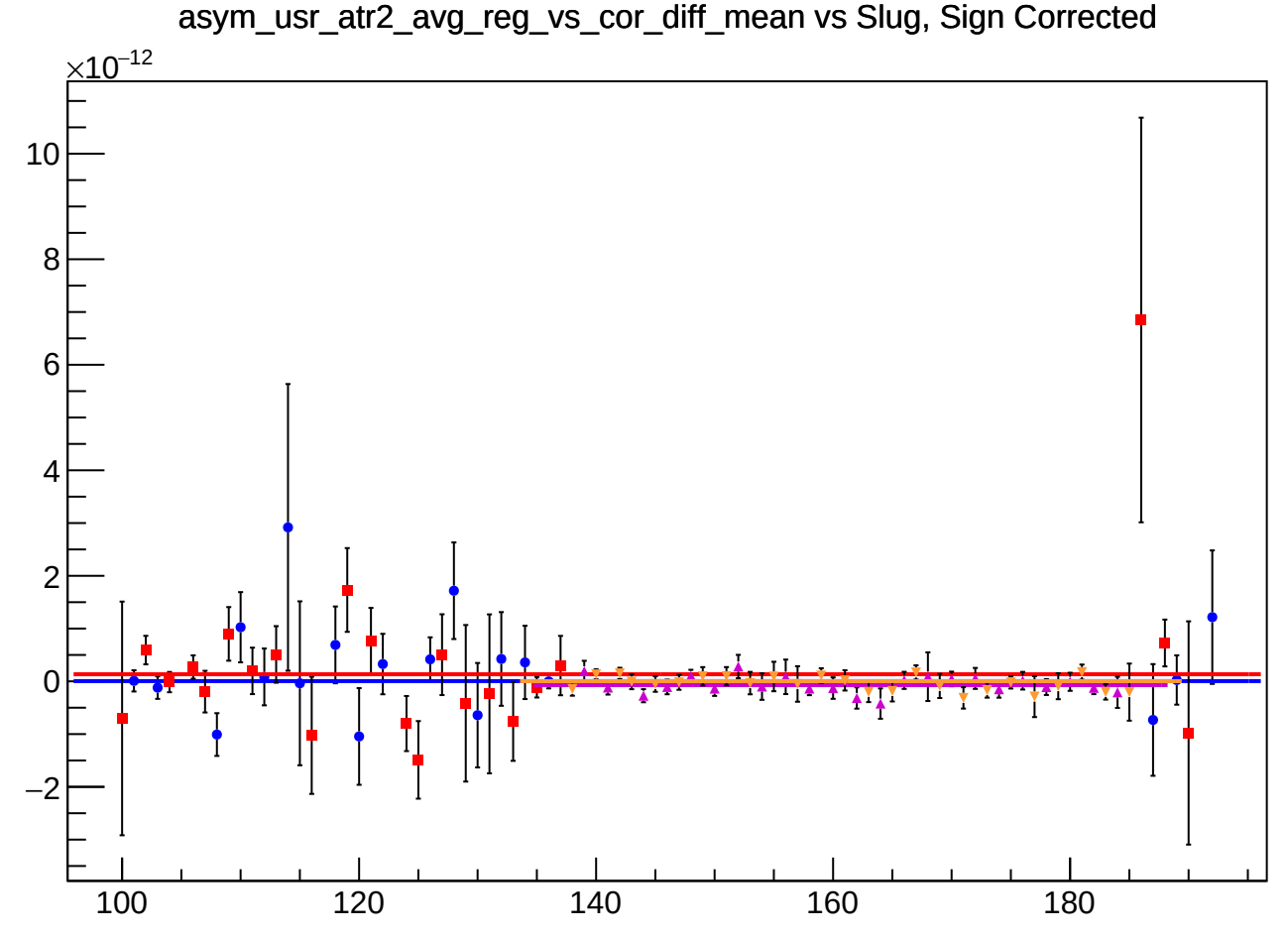
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

Right: 5129.084+/-0.899 χ^2/NDF: 3095809.1/40

In: 5373.664+/-0.745 χ^2/NDF:2151307.3/41

Out: 5225.653+/-0.716 χ^2/NDF:3034988.6/46

All: 5296.779+/-0.516 χ^2/NDF: 5206811.9/88



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.4/21

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

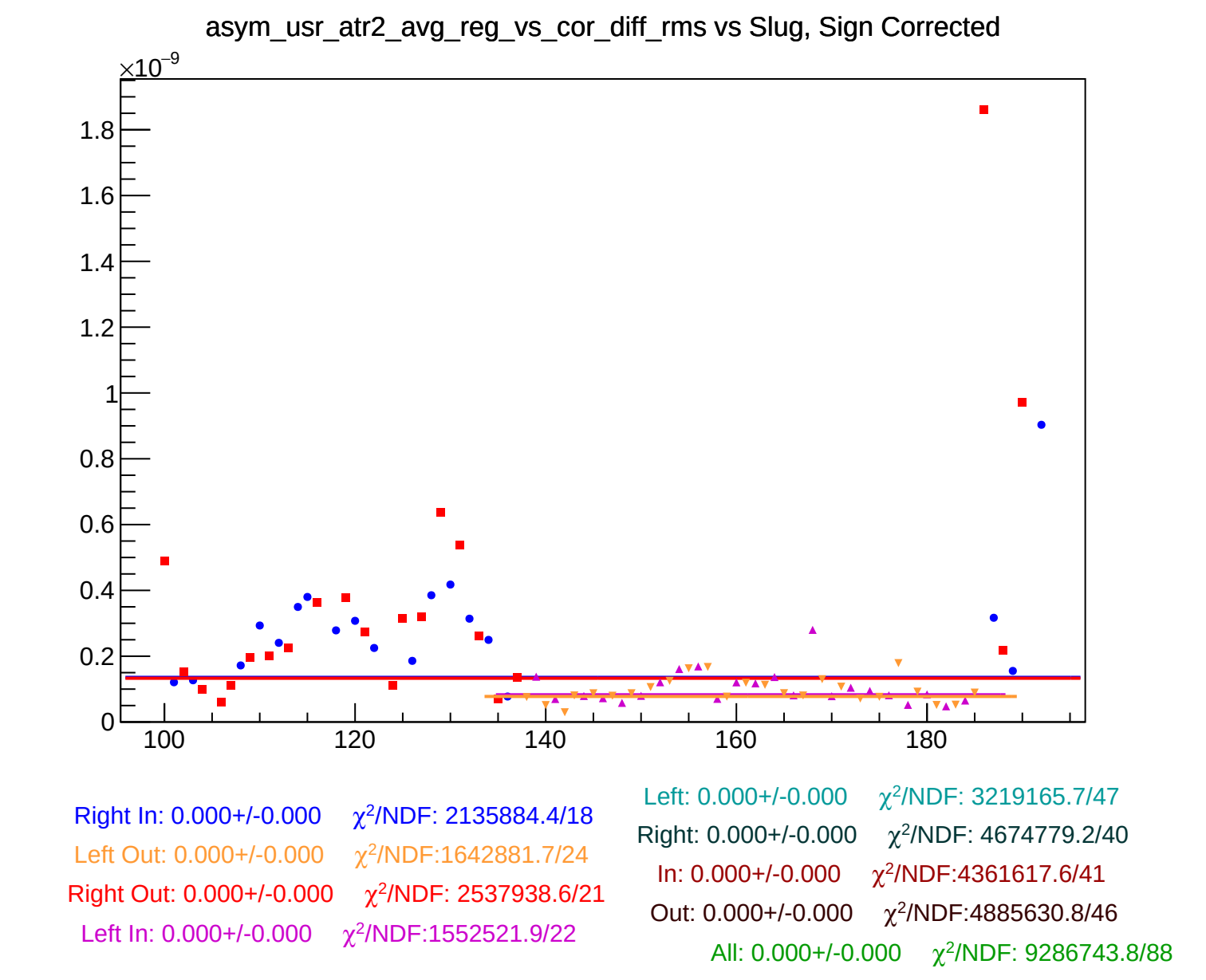
Left: -0.000+/-0.000 χ^2/NDF: 36.7/47

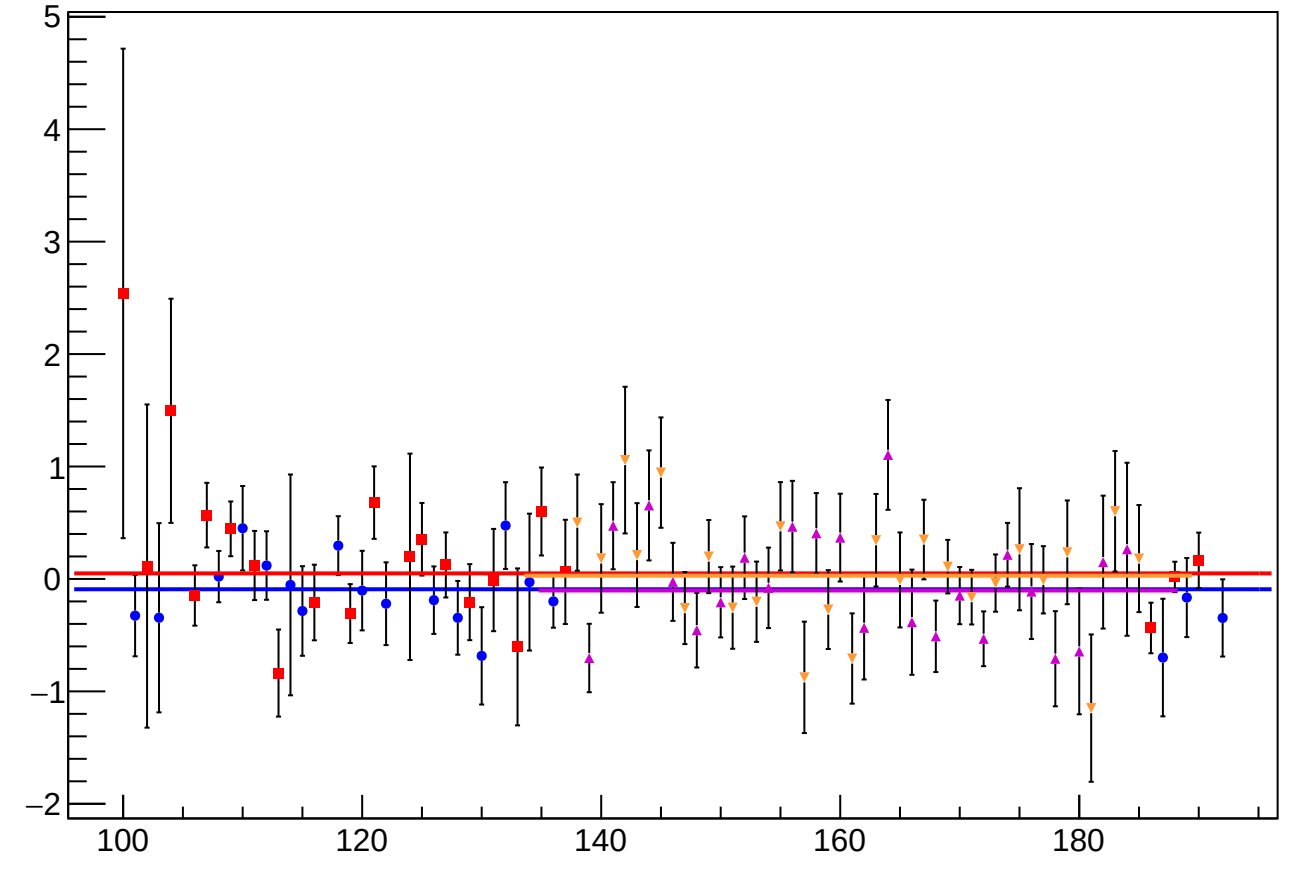
Right: 0.000+/-0.000 χ^2/NDF: 50.9/40

In: -0.000+/-0.000 χ^2/NDF:36.0/41

Out: 0.000+/-0.000 χ^2/NDF:50.7/46

All: -0.000+/-0.000 χ^2/NDF: 89.9/88


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: 2537938.6/21
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: 4674779.2/40
In: 0.000+/-0.000 χ²/NDF:4361617.6/41
Out: 0.000+/-0.000 χ²/NDF:4885630.8/46
All: 0.000+/-0.000 χ²/NDF: 9286743.8/88



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: 0.049+/-0.065 χ^2/NDF: 30.8/21

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

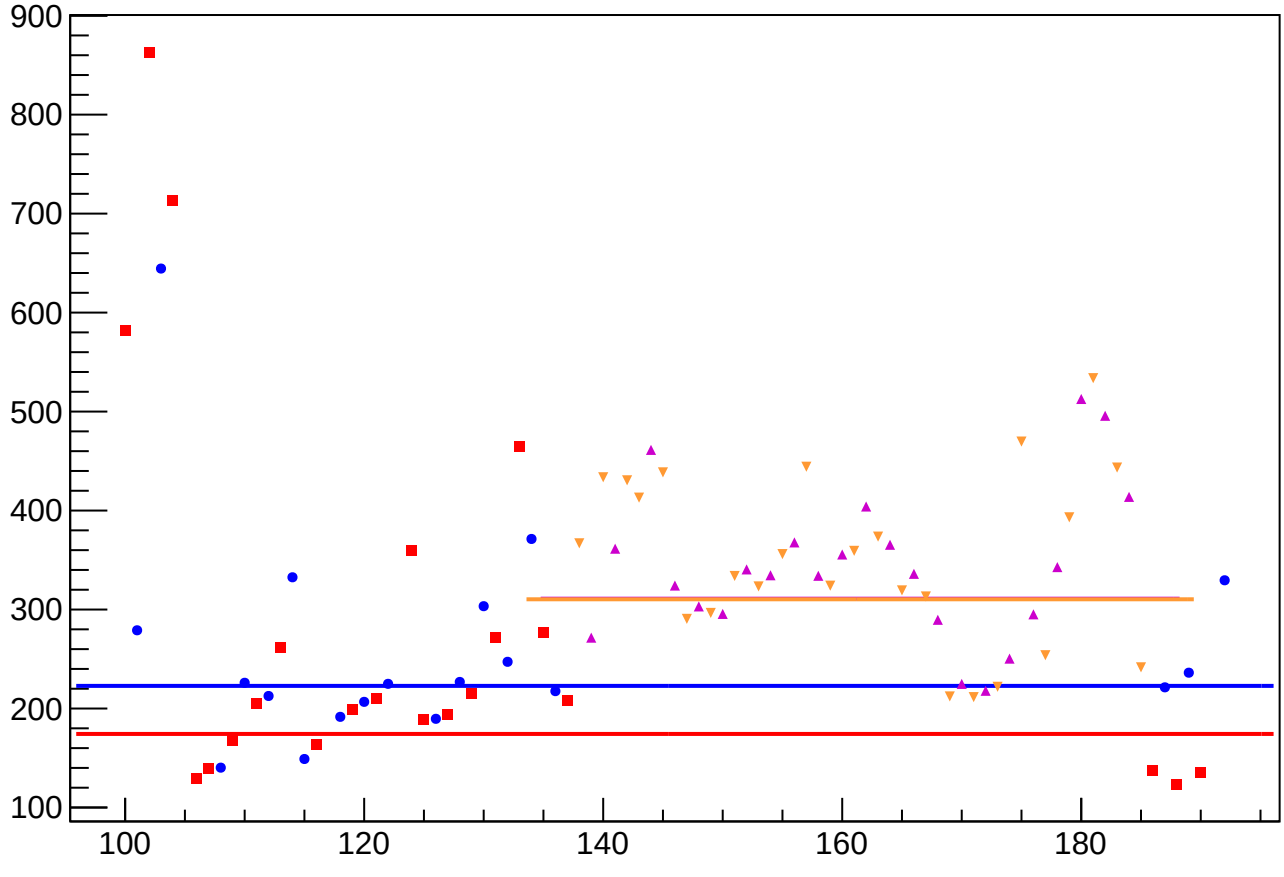
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.007+/-0.050 χ^2/NDF: 45.4/40

In: -0.097+/-0.055 χ^2/NDF:45.1/41

Out: 0.040+/-0.049 χ^2/NDF:56.2/46

All: -0.021+/-0.037 χ^2/NDF: 104.7/88



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: 174.324+/-0.046 χ^2/NDF: 2467297.2/21

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

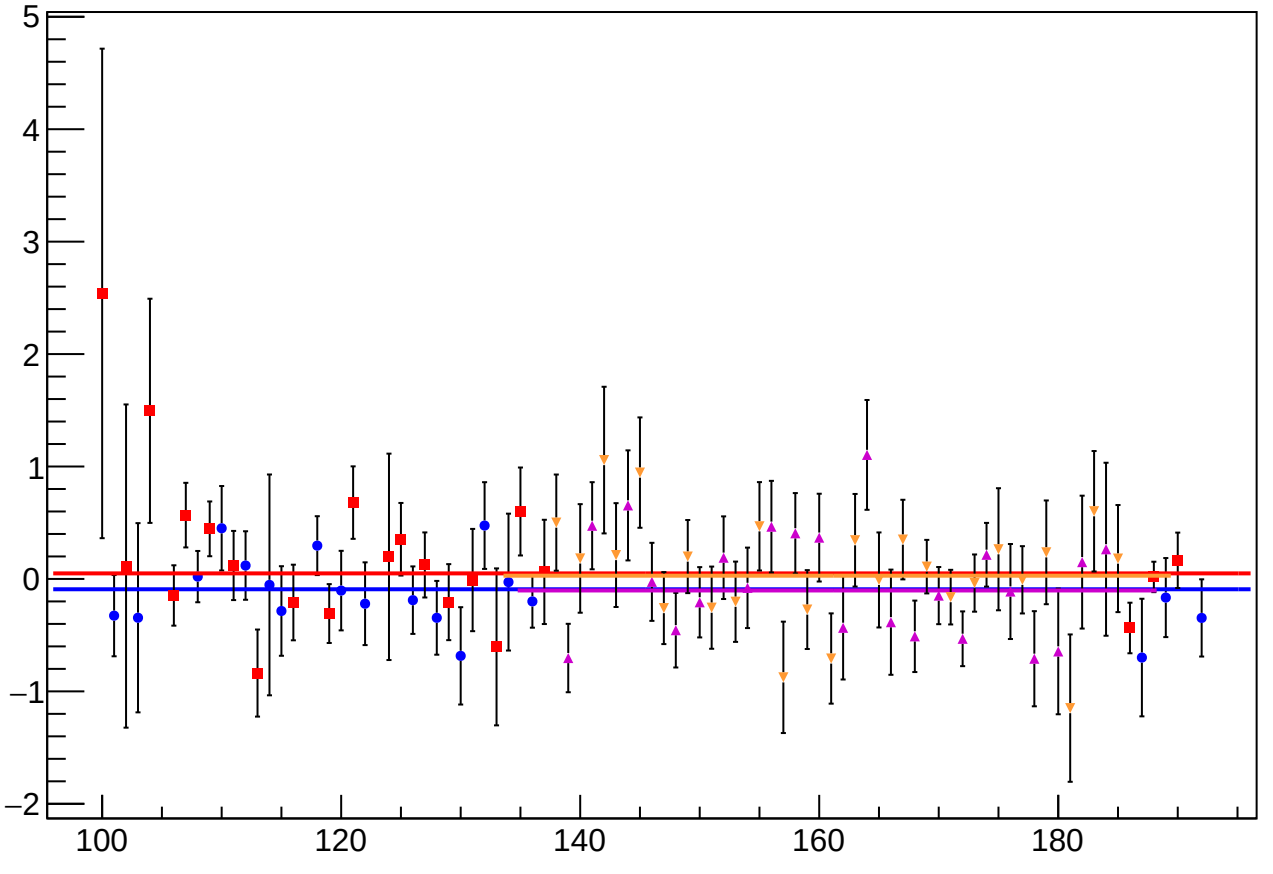
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 193.762+/-0.036 χ^2/NDF: 4270878.7/40

In: 268.907+/-0.039 χ^2/NDF:4233935.6/41

Out: 233.166+/-0.035 χ^2/NDF:8597426.3/46

All: 248.980+/-0.026 χ^2/NDF: 13300141.2/88



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: 0.049+/-0.065 χ^2/NDF: 30.8/21

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

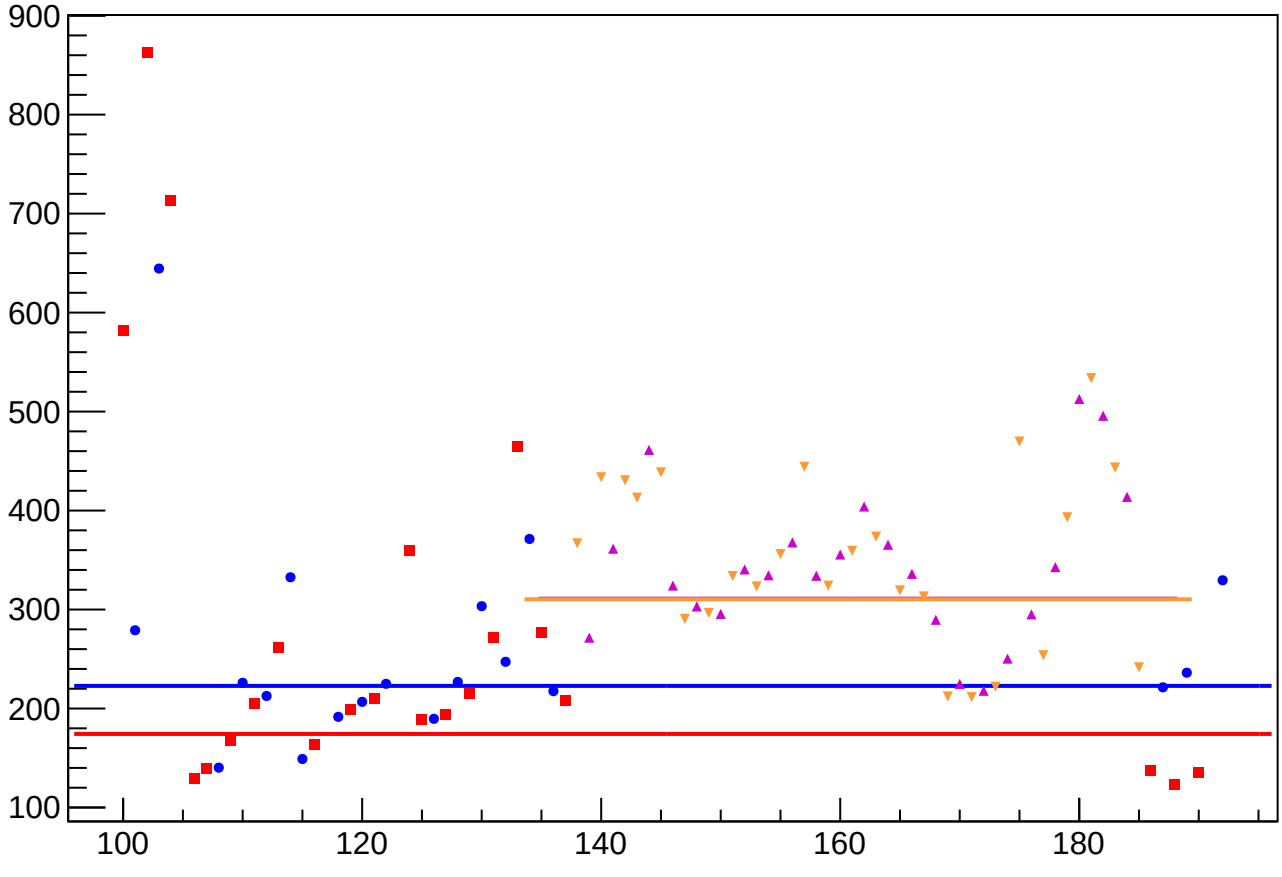
Right: -0.007+/-0.050 χ^2/NDF: 45.4/40

In: -0.097+/-0.055 χ^2/NDF:45.1/41

Out: 0.040+/-0.049 χ^2/NDF:56.2/46

All: -0.021+/-0.037 χ^2/NDF: 104.7/88

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 174.324+/-0.046 χ^2/NDF: 2467297.2/21

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

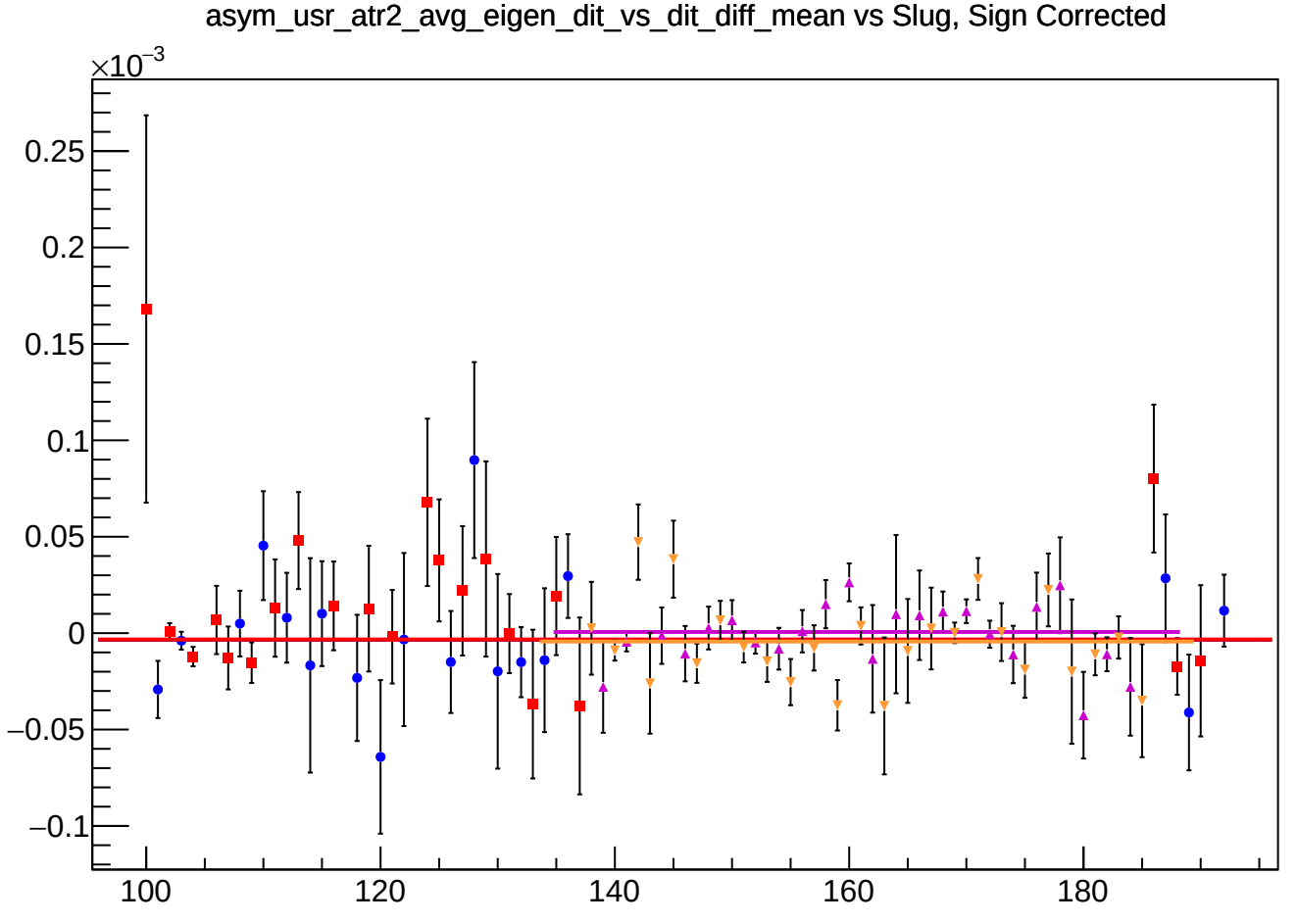
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 193.762+/-0.036 χ^2/NDF: 4270878.7/40

In: 268.907+/-0.039 χ^2/NDF:4233935.6/41

Out: 233.166+/-0.035 χ^2/NDF:8597426.3/46

All: 248.980+/-0.026 χ^2/NDF: 13300141.2/88



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: 27.4/21

Left In: 0.000+/-0.000 χ^2/NDF:26.6/22

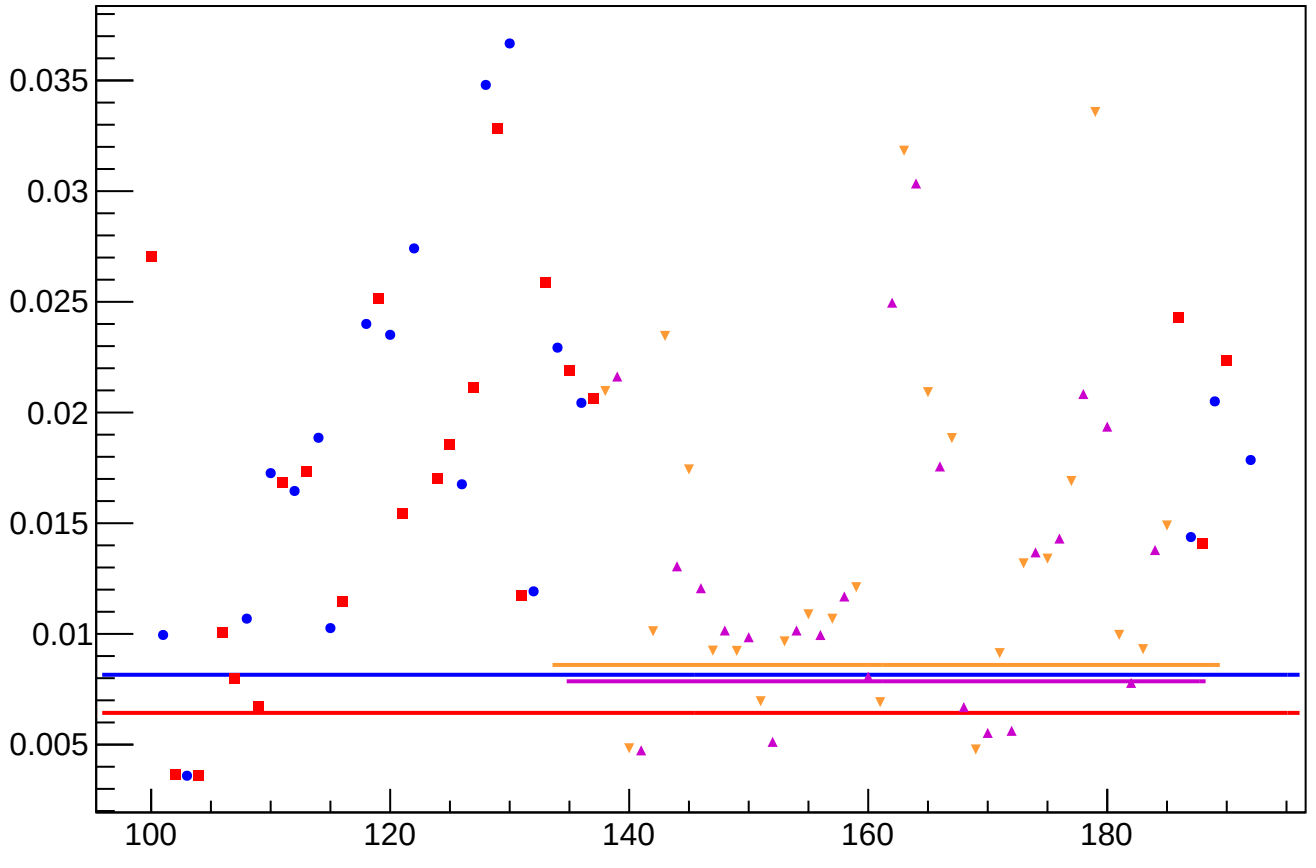
Left: -0.000+/-0.000 χ^2/NDF: 71.4/47

Right: -0.000+/-0.000 χ^2/NDF: 46.5/40

In: -0.000+/-0.000 χ^2/NDF:46.6/41

Out: -0.000+/-0.000 χ^2/NDF:69.8/46

All: -0.000+/-0.000 χ^2/NDF: 118.2/88



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: 0.006+/-0.000 χ^2/NDF: 7294743.3/21

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

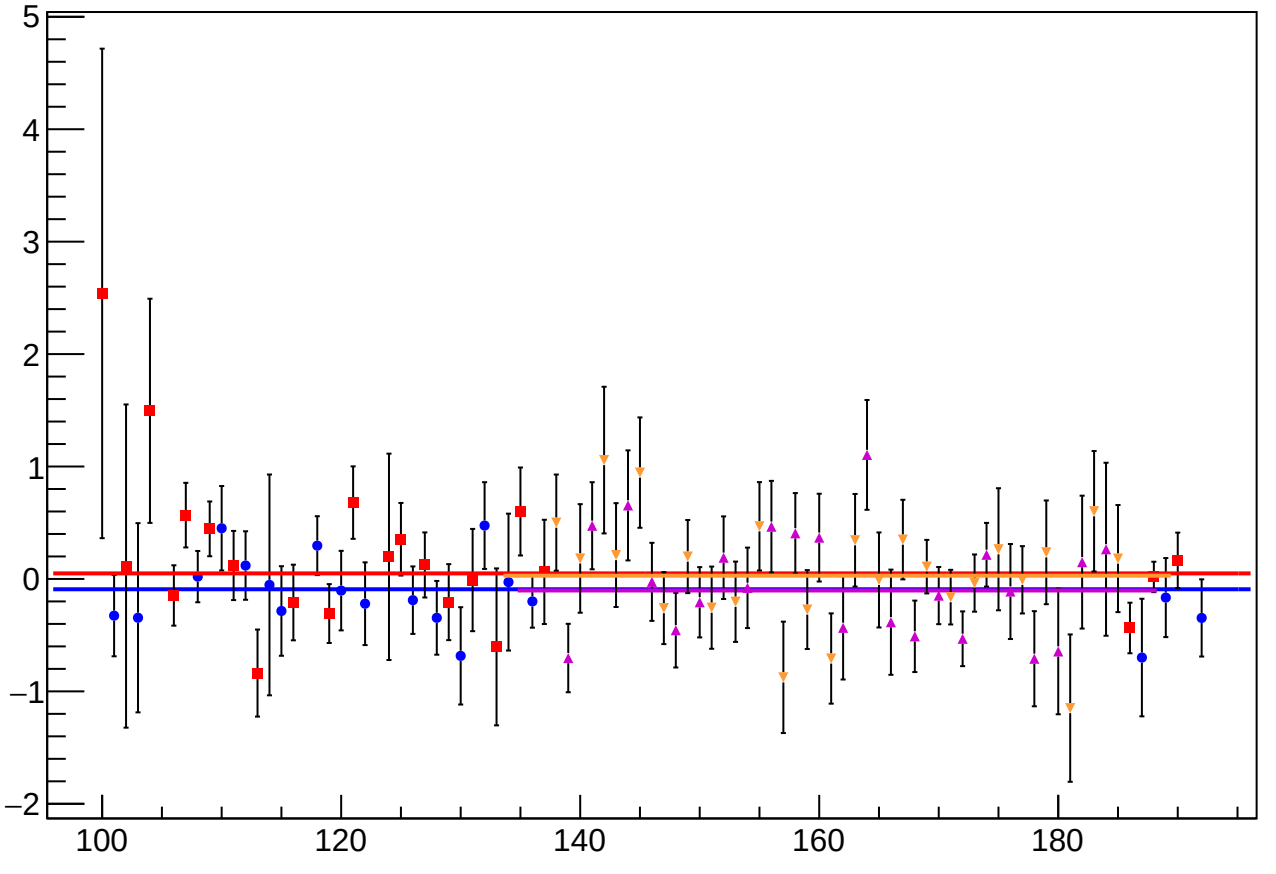
Right: 0.007+/-0.000 χ^2/NDF: 14662675.2/40

In: 0.008+/-0.000 χ^2/NDF:13880445.0/41

Out: 0.008+/-0.000 χ^2/NDF:15668233.5/46

All: 0.008+/-0.000 χ^2/NDF: 29558086.2/88

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: 0.049+/-0.065 χ^2/NDF: 30.8/21

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

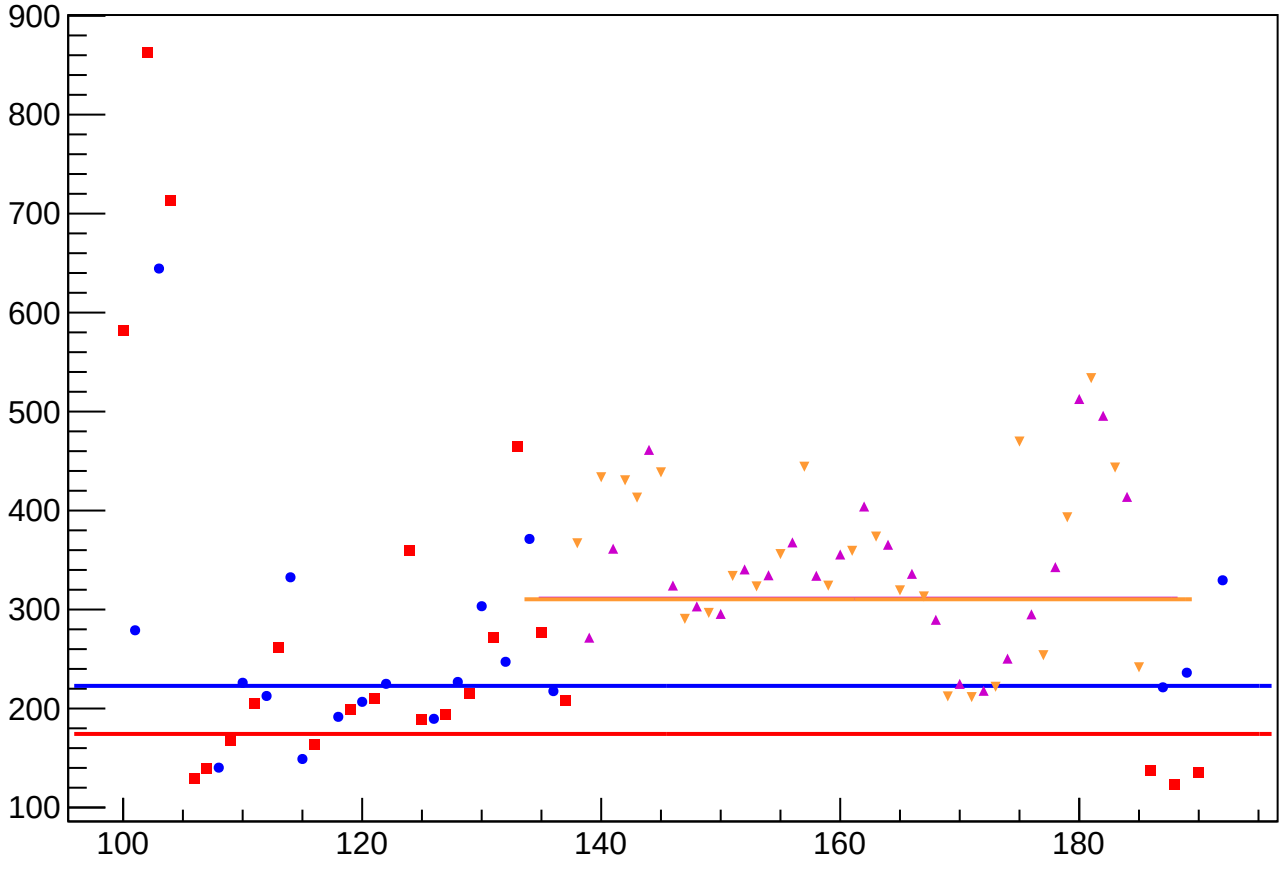
Right: -0.007+/-0.050 χ^2/NDF: 45.4/40

In: -0.097+/-0.055 χ^2/NDF:45.1/41

Out: 0.040+/-0.049 χ^2/NDF:56.2/46

All: -0.021+/-0.037 χ^2/NDF: 104.7/88

asym_usr_atr2_avg_eigen_dit_vs_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: 174.321+/-0.046 χ^2/NDF: 2467337.3/21

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

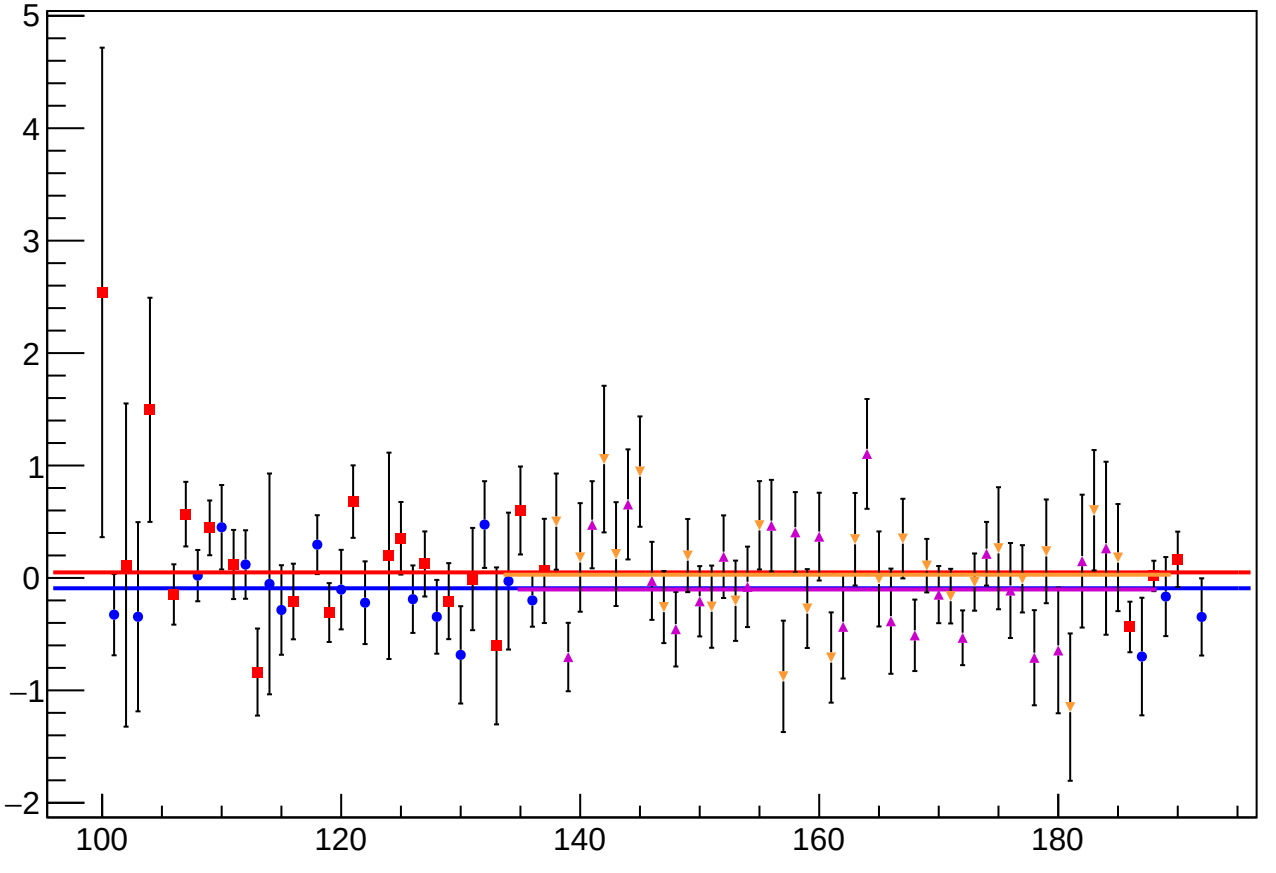
Right: 193.760+/-0.036 χ^2/NDF: 4270932.9/40

In: 268.908+/-0.039 χ^2/NDF:4234062.6/41

Out: 233.164+/-0.035 χ^2/NDF:8597860.3/46

All: 248.979+/-0.026 χ^2/NDF: 13300763.8/88

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: 0.049+/-0.065 χ^2/NDF: 30.8/21

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

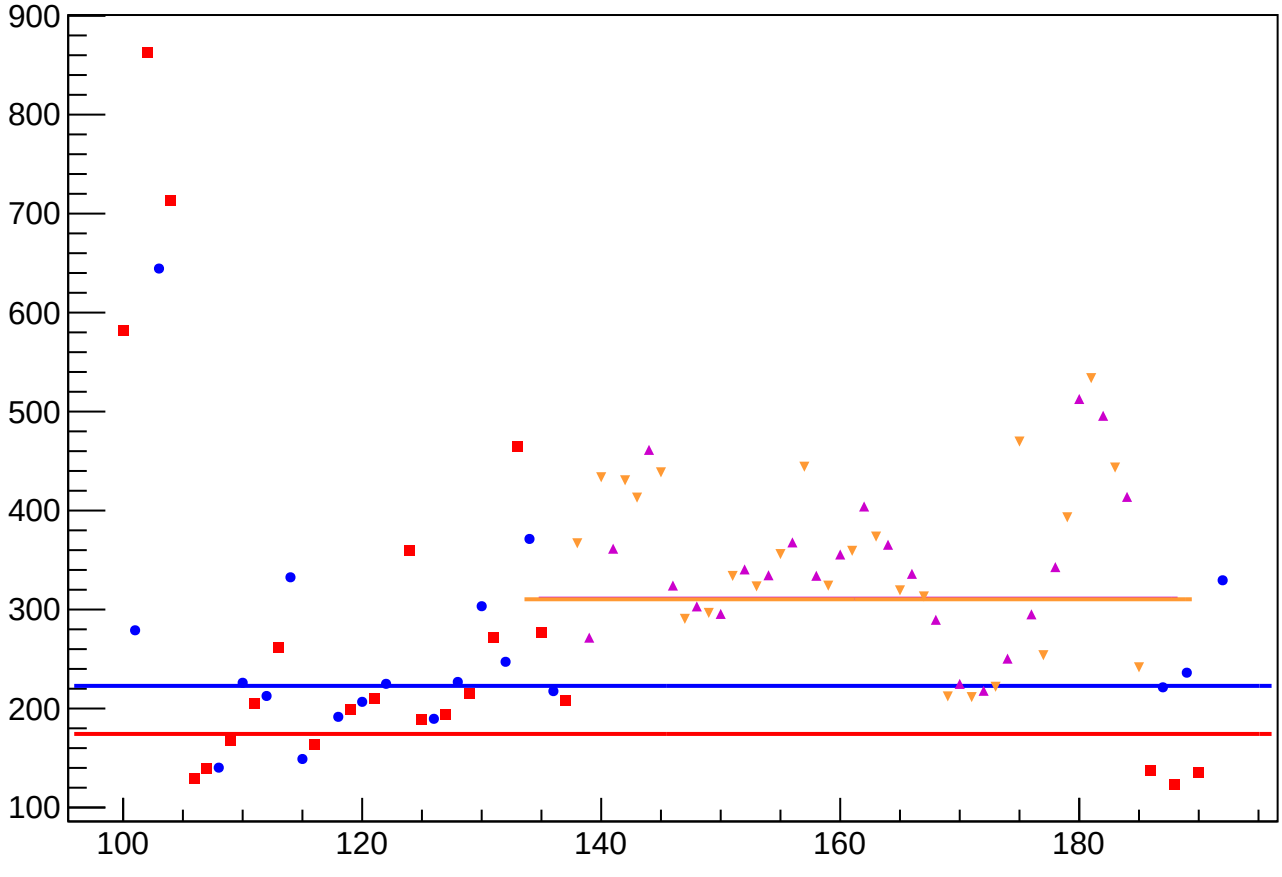
Right: -0.007+/-0.050 χ^2/NDF: 45.4/40

In: -0.097+/-0.055 χ^2/NDF:45.1/41

Out: 0.040+/-0.049 χ^2/NDF:56.2/46

All: -0.021+/-0.037 χ^2/NDF: 104.7/88

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: 174.321+/-0.046 χ^2/NDF: 2467337.3/21

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

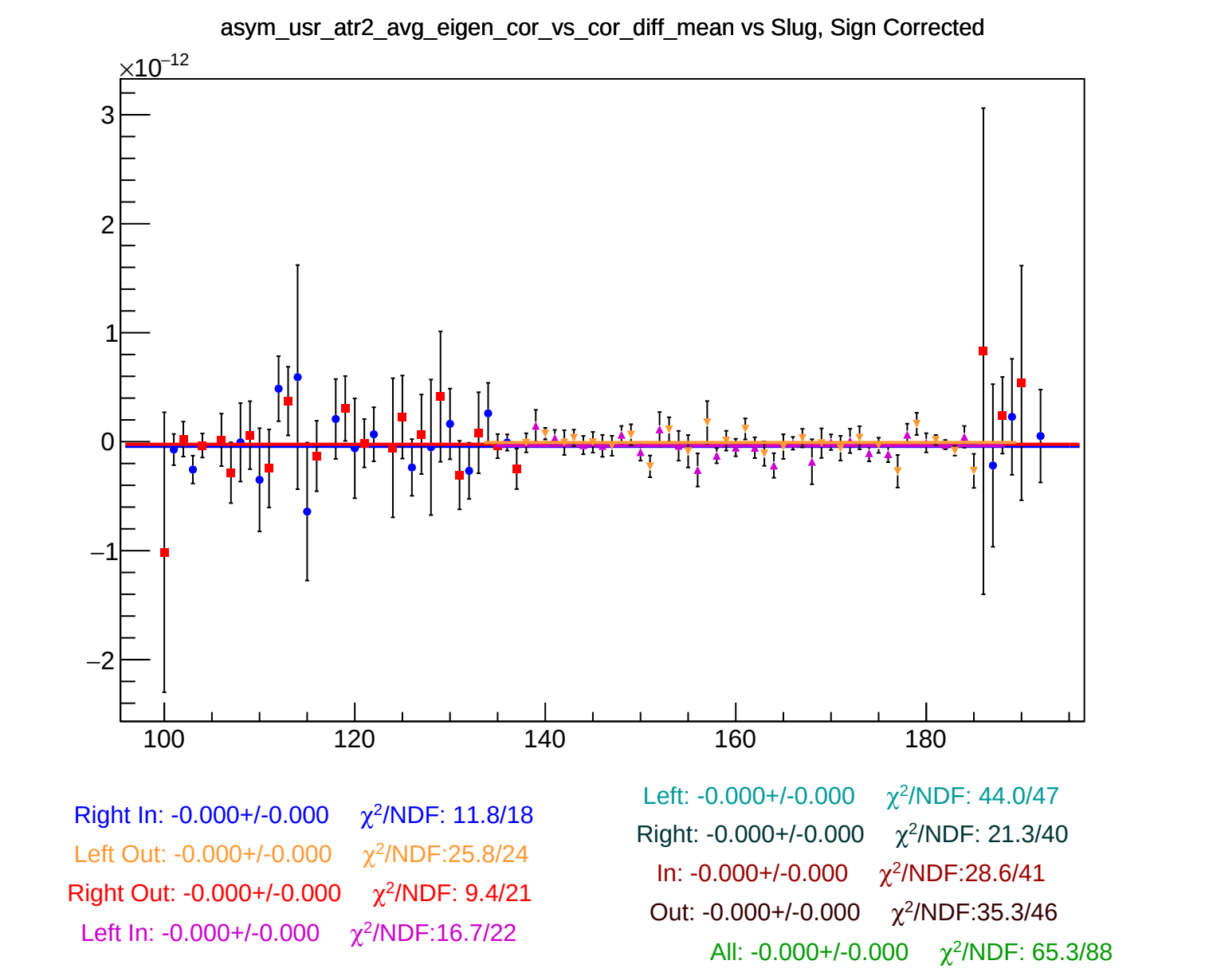
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

Right: 193.760+/-0.036 χ^2/NDF: 4270932.9/40

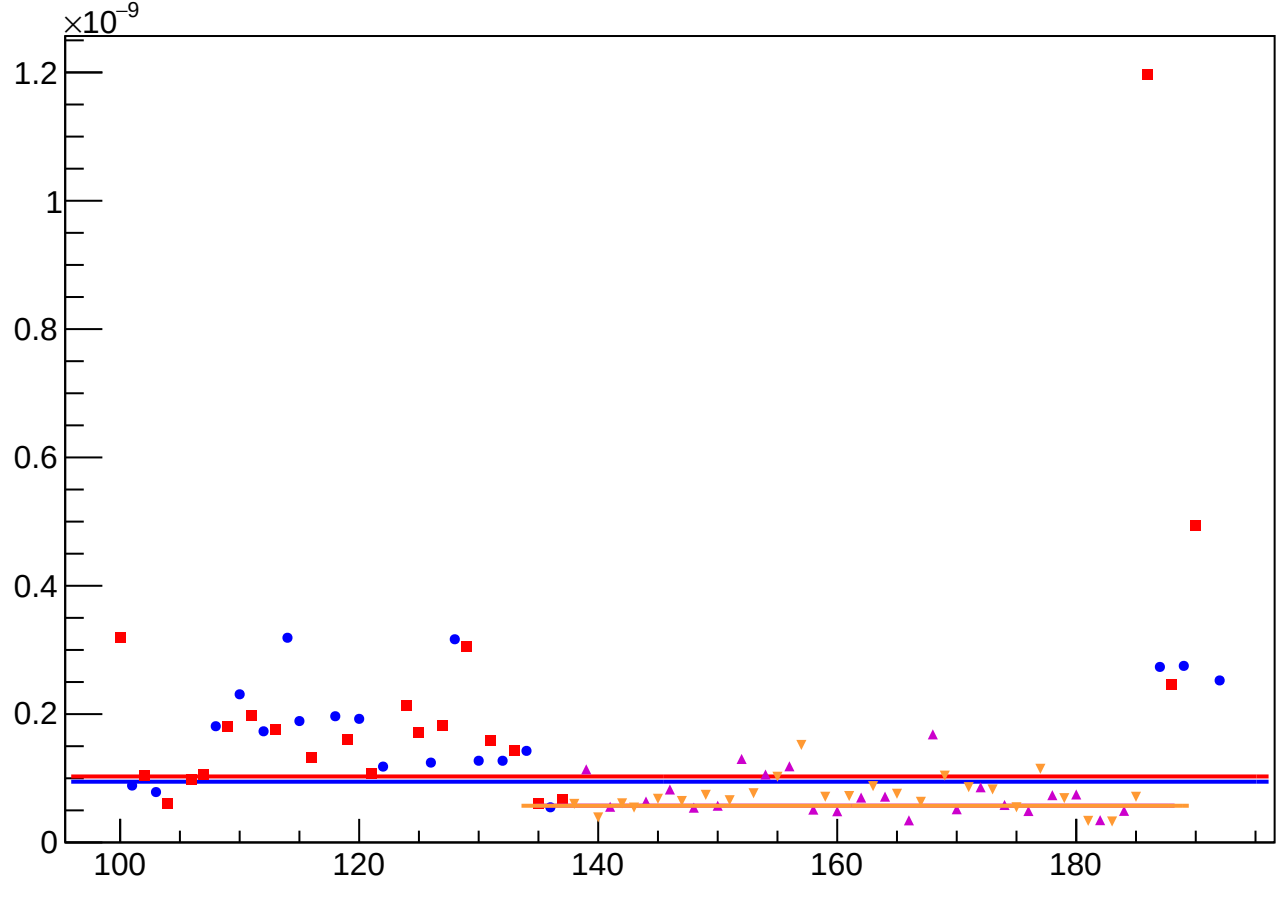
In: 268.908+/-0.039 χ^2/NDF:4234062.6/41

Out: 233.164+/-0.035 χ^2/NDF:8597860.3/46

All: 248.979+/-0.026 χ^2/NDF: 13300763.8/88


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 11.8/18
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 9.4/21
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: -0.000+/-0.000 χ²/NDF: 44.0/47
Right: -0.000+/-0.000 χ²/NDF: 21.3/40
In: -0.000+/-0.000 χ²/NDF:28.6/41
Out: -0.000+/-0.000 χ²/NDF:35.3/46
All: -0.000+/-0.000 χ²/NDF: 65.3/88

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 2787417.5/21

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

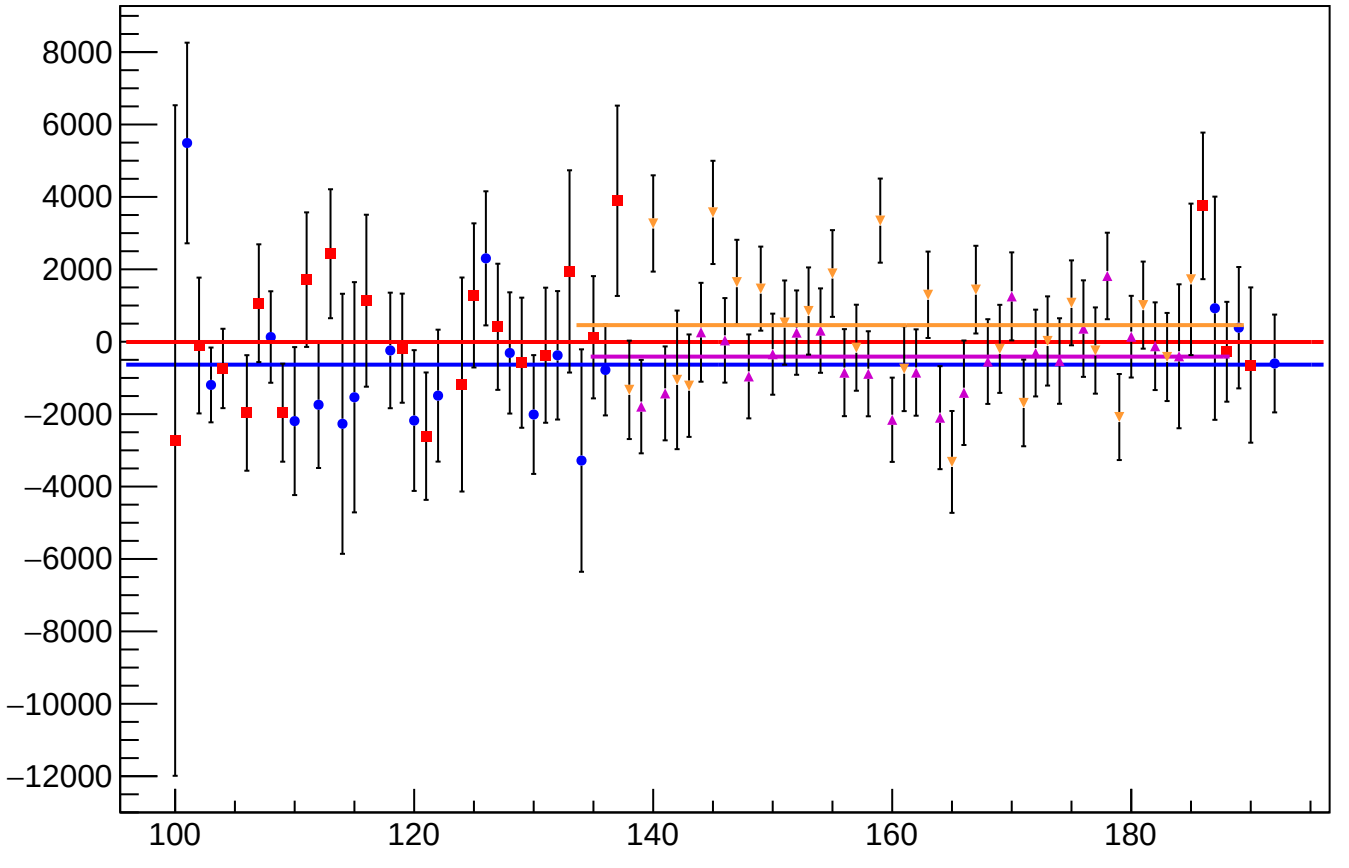
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 5258252.8/40

In: 0.000+/-0.000 χ^2/NDF:6761085.6/41

Out: 0.000+/-0.000 χ^2/NDF:7544064.0/46

All: 0.000+/-0.000 χ^2/NDF: 14305295.1/88



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: -7.194+/-380.839 χ^2/NDF: 16.8/21

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

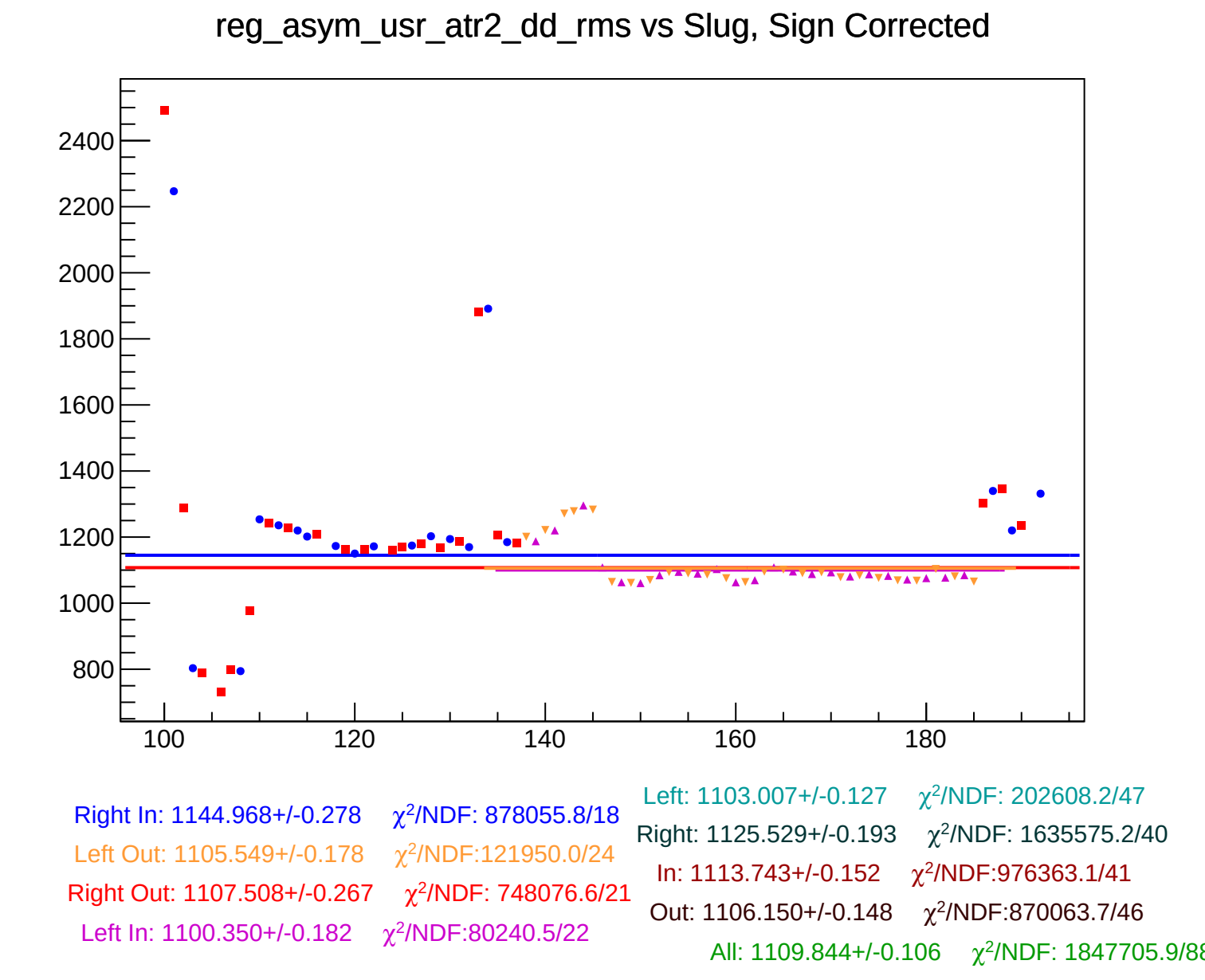
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

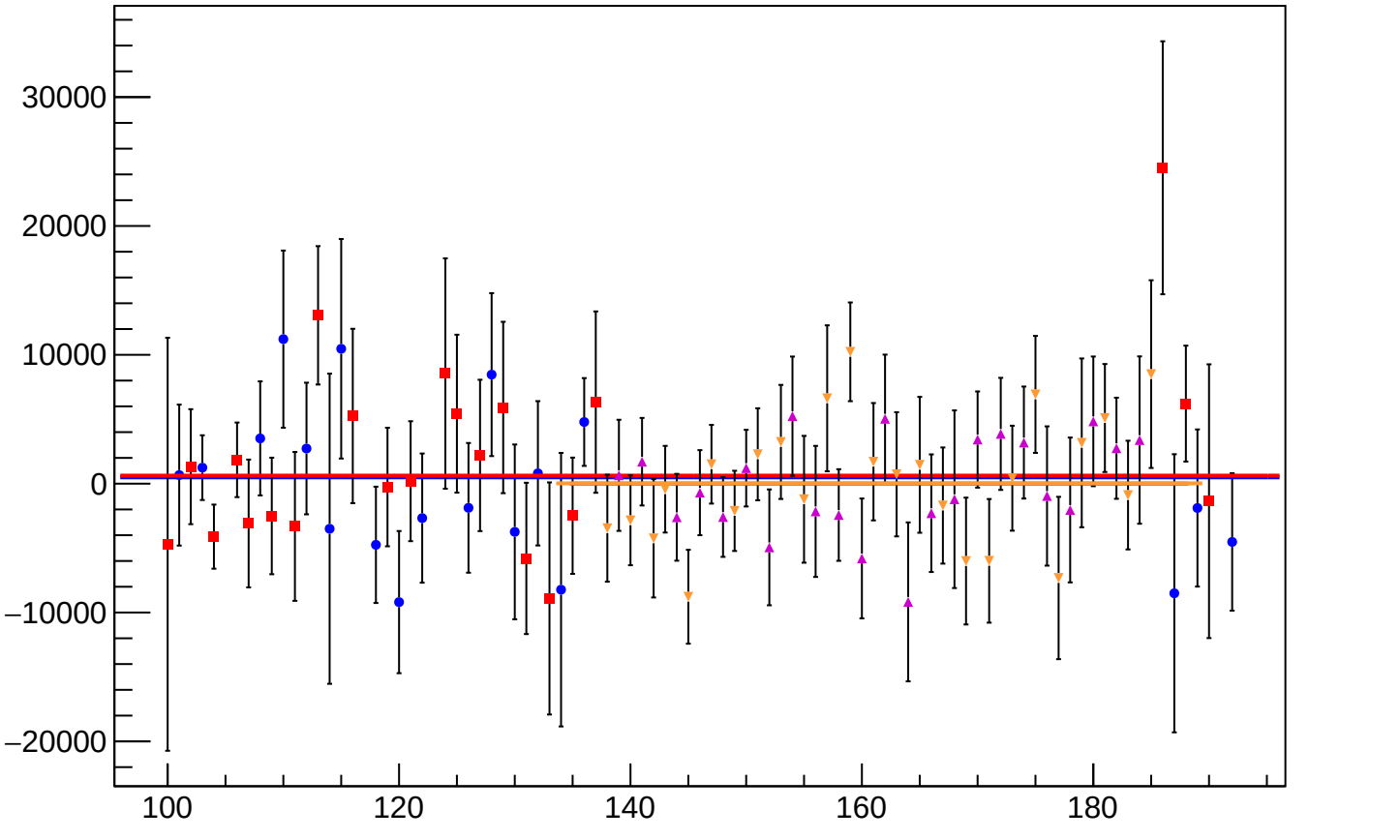
Right: -310.565+/-273.396 χ^2/NDF: 30.5/40

In: -477.869+/-215.163 χ^2/NDF:26.3/41

Out: 317.248+/-209.889 χ^2/NDF:59.9/46

All: -70.447+/-150.244 χ^2/NDF: 93.1/88


reg_asym_usr_atr2_dd_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
Right In: 1144.968+/-0.278 χ²/NDF: 878055.8/18
Left Out: 1105.549+/-0.178 χ²/NDF:121950.0/24
Right Out: 1107.508+/-0.267 χ²/NDF: 748076.6/21
Left In: 1100.350+/-0.182 χ²/NDF:80240.5/22
Left: 1103.007+/-0.127 χ²/NDF: 202608.2/47
Right: 1125.529+/-0.193 χ²/NDF: 1635575.2/40
In: 1113.743+/-0.152 χ²/NDF:976363.1/41
Out: 1106.150+/-0.148 χ²/NDF:870063.7/46
All: 1109.844+/-0.106 χ²/NDF: 1847705.9/88



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: 625.563+/-1069.280 χ^2/NDF: 24.4/21

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

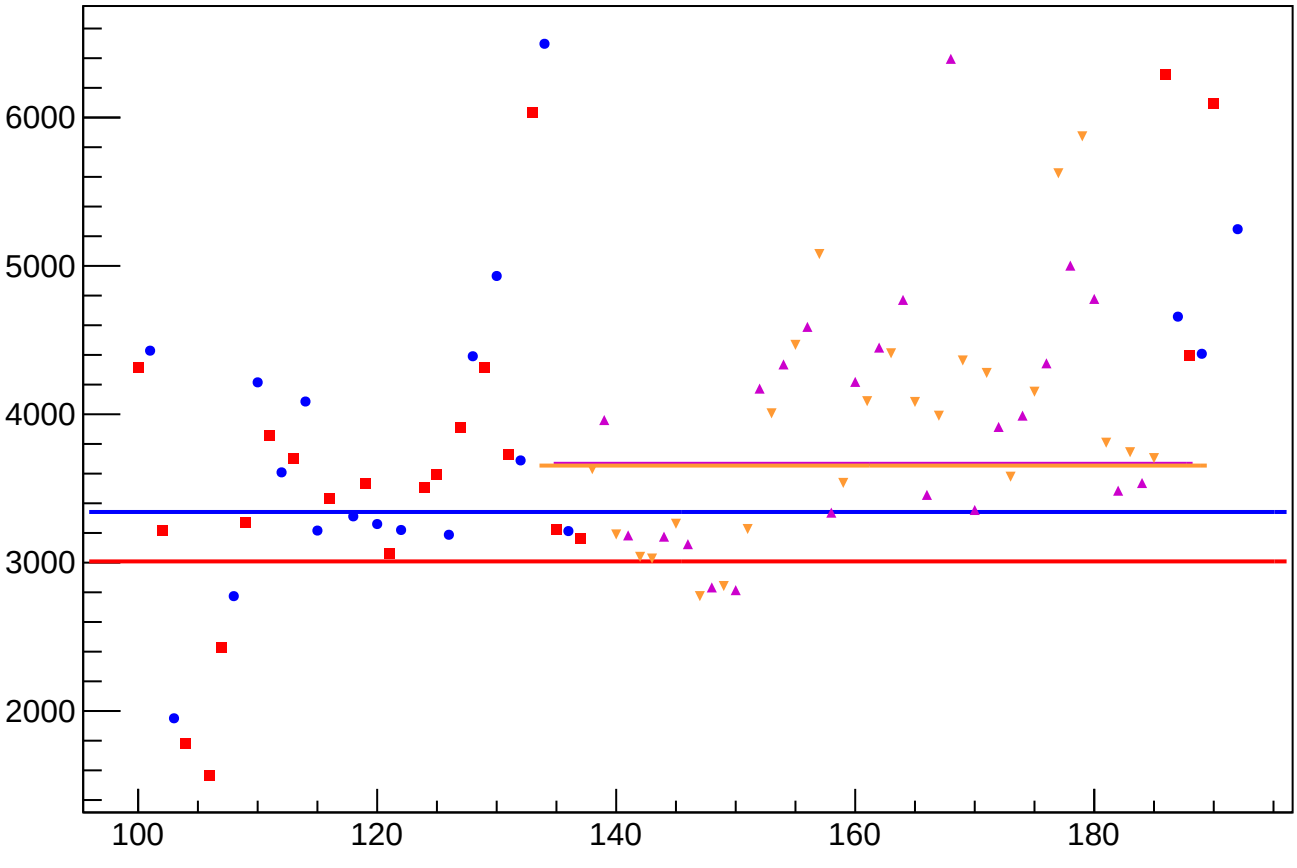
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 564.534+/-789.760 χ^2/NDF: 40.1/40

In: 180.050+/-701.168 χ^2/NDF:29.8/41

Out: 256.686+/-665.575 χ^2/NDF:53.1/46

All: 220.363+/-482.725 χ^2/NDF: 82.9/88



Right In: 3341.460+/-0.828 χ^2/NDF: 1472841.3/18

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3008.312+/-0.756 χ^2/NDF: 2135719.2/21

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

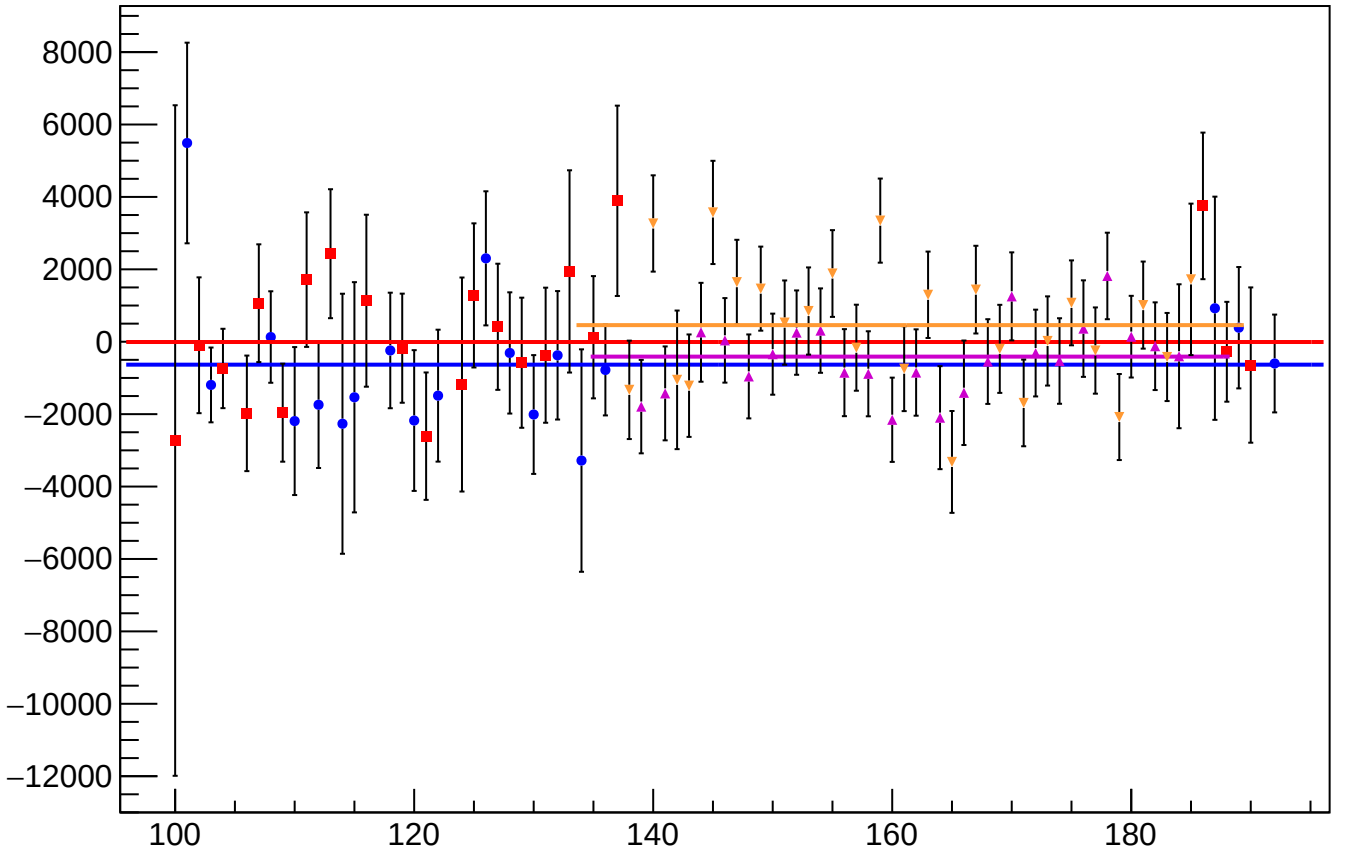
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3159.722+/-0.558 χ^2/NDF: 3696795.1/40

In: 3549.813+/-0.496 χ^2/NDF:2915129.8/41

Out: 3403.952+/-0.471 χ^2/NDF:3894475.5/46

All: 3473.086+/-0.341 χ^2/NDF: 6855132.4/88



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: -7.433+/-380.842 χ^2/NDF: 16.8/21

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

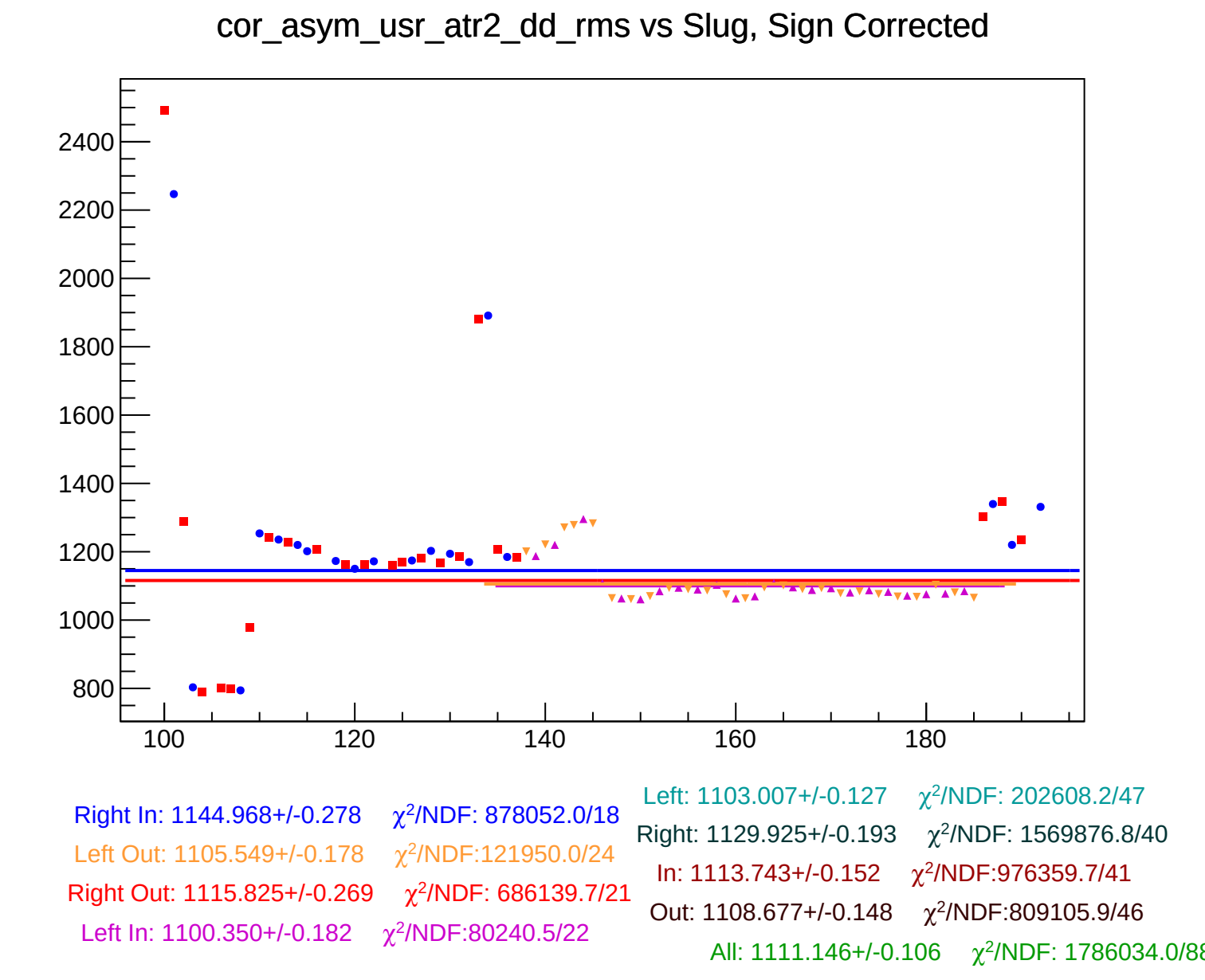
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -310.675+/-273.398 χ^2/NDF: 30.5/40

In: -477.791+/-215.163 χ^2/NDF:26.3/41

Out: 317.220+/-209.890 χ^2/NDF:59.9/46

All: -70.425+/-150.244 χ^2/NDF: 93.2/88


cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected
2400
2200
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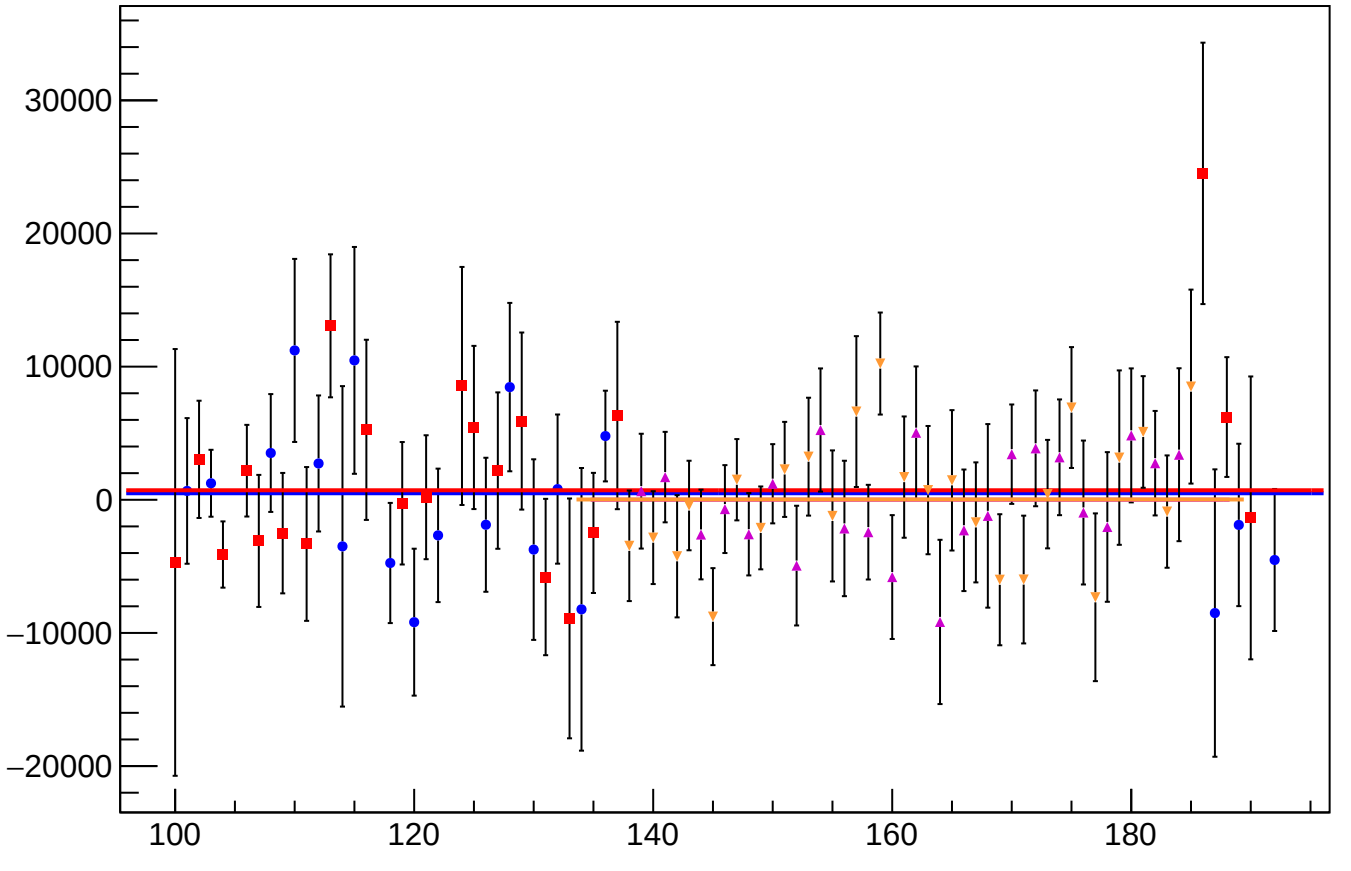
120
140
160
180
Right In: 1144.968+/-0.278 χ²/NDF: 878052.0/18
Left Out: 1105.549+/-0.178 χ²/NDF:121950.0/24
Right Out: 1115.825+/-0.269 χ²/NDF: 686139.7/21
Left In: 1100.350+/-0.182 χ²/NDF:80240.5/22
Left: 1103.007+/-0.127 χ²/NDF: 202608.2/47
Right: 1129.925+/-0.193 χ²/NDF: 1569876.8/40
In: 1113.743+/-0.152 χ²/NDF:976359.7/41
Out: 1108.677+/-0.148 χ²/NDF:809105.9/46
All: 1111.146+/-0.106 χ²/NDF: 1786034.0/88



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: 714.977+/-1090.452 χ^2/NDF: 24.7/21

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

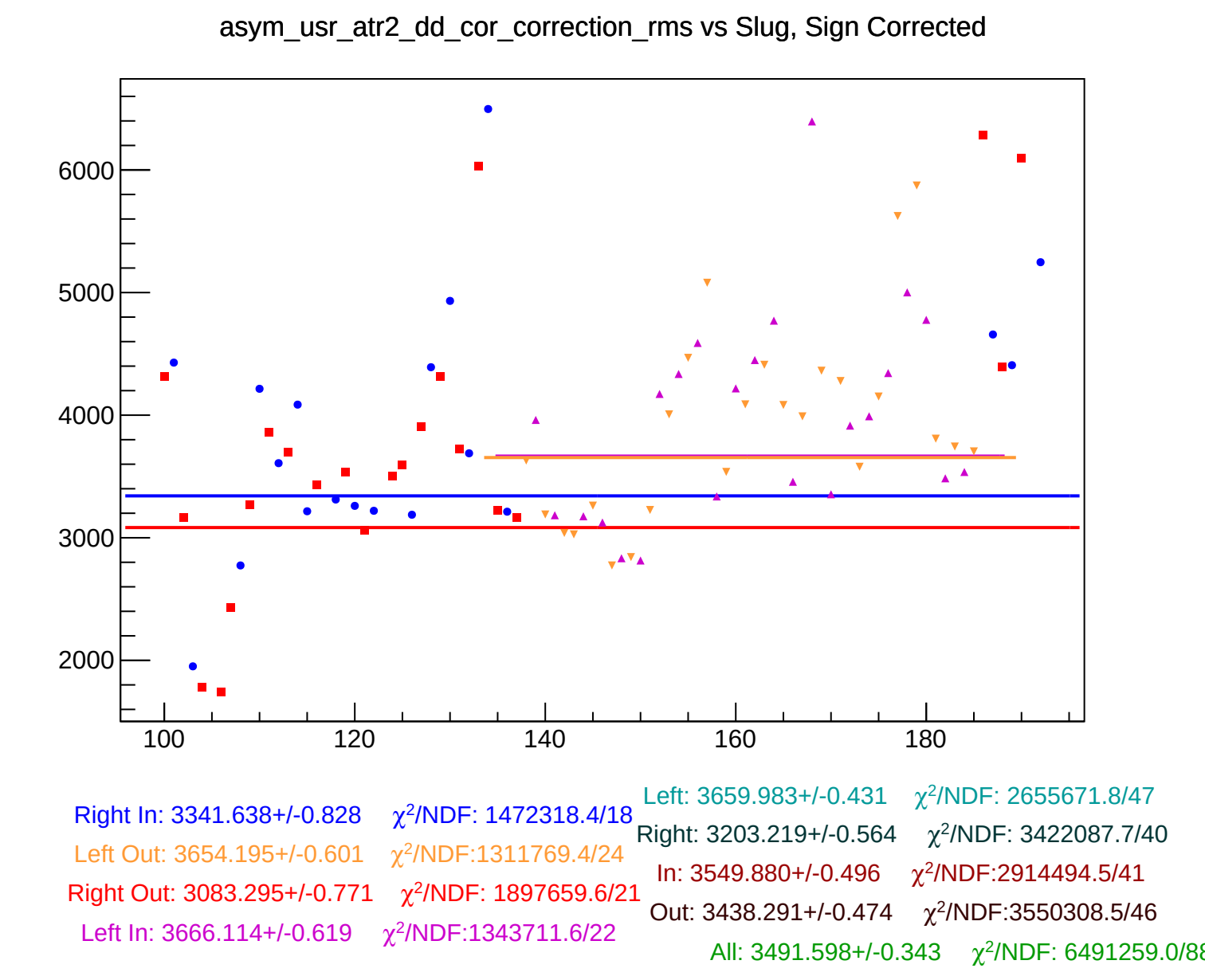
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

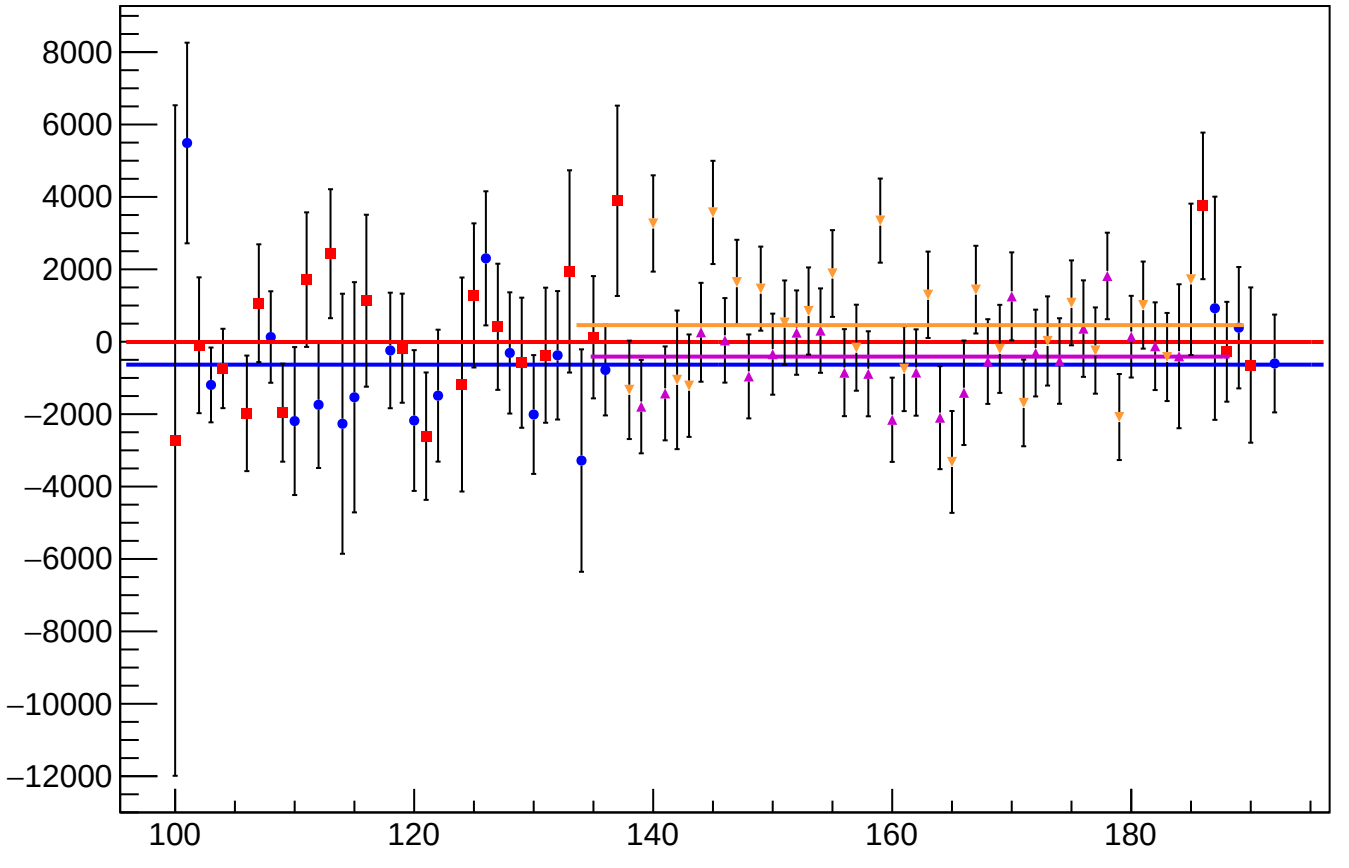
Right: 610.908+/-798.189 χ^2/NDF: 40.4/40

In: 179.898+/-701.176 χ^2/NDF:29.8/41

Out: 284.920+/-670.589 χ^2/NDF:53.4/46

All: 234.749+/-484.631 χ^2/NDF: 83.2/88


asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
120
140
160
180
Right In: 3341.638+/-0.828 χ²/NDF: 1472318.4/18
Left Out: 3654.195+/-0.601 χ²/NDF:1311769.4/24
Right Out: 3083.295+/-0.771 χ²/NDF: 1897659.6/21
Left In: 3666.114+/-0.619 χ²/NDF:1343711.6/22
Left: 3659.983+/-0.431 χ²/NDF: 2655671.8/47
Right: 3203.219+/-0.564 χ²/NDF: 3422087.7/40
In: 3549.880+/-0.496 χ²/NDF:2914494.5/41
Out: 3438.291+/-0.474 χ²/NDF:3550308.5/46
All: 3491.598+/-0.343 χ²/NDF: 6491259.0/88



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: -7.433+/-380.842 χ^2/NDF: 16.8/21

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

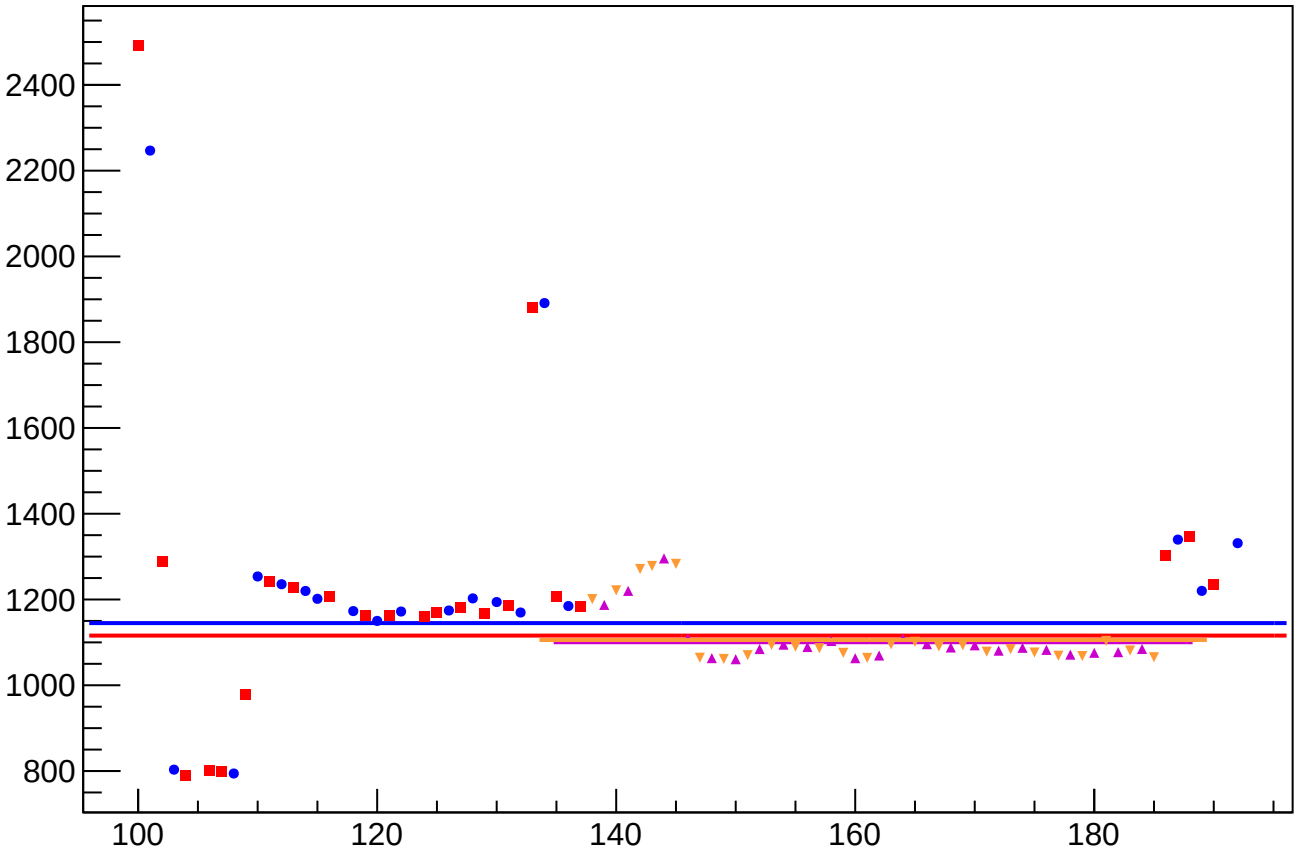
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -310.675+/-273.398 χ^2/NDF: 30.5/40

In: -477.791+/-215.163 χ^2/NDF:26.3/41

Out: 317.220+/-209.890 χ^2/NDF:59.9/46

All: -70.425+/-150.244 χ^2/NDF: 93.2/88



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: 1115.825+/-0.269 χ^2/NDF: 686139.7/21

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

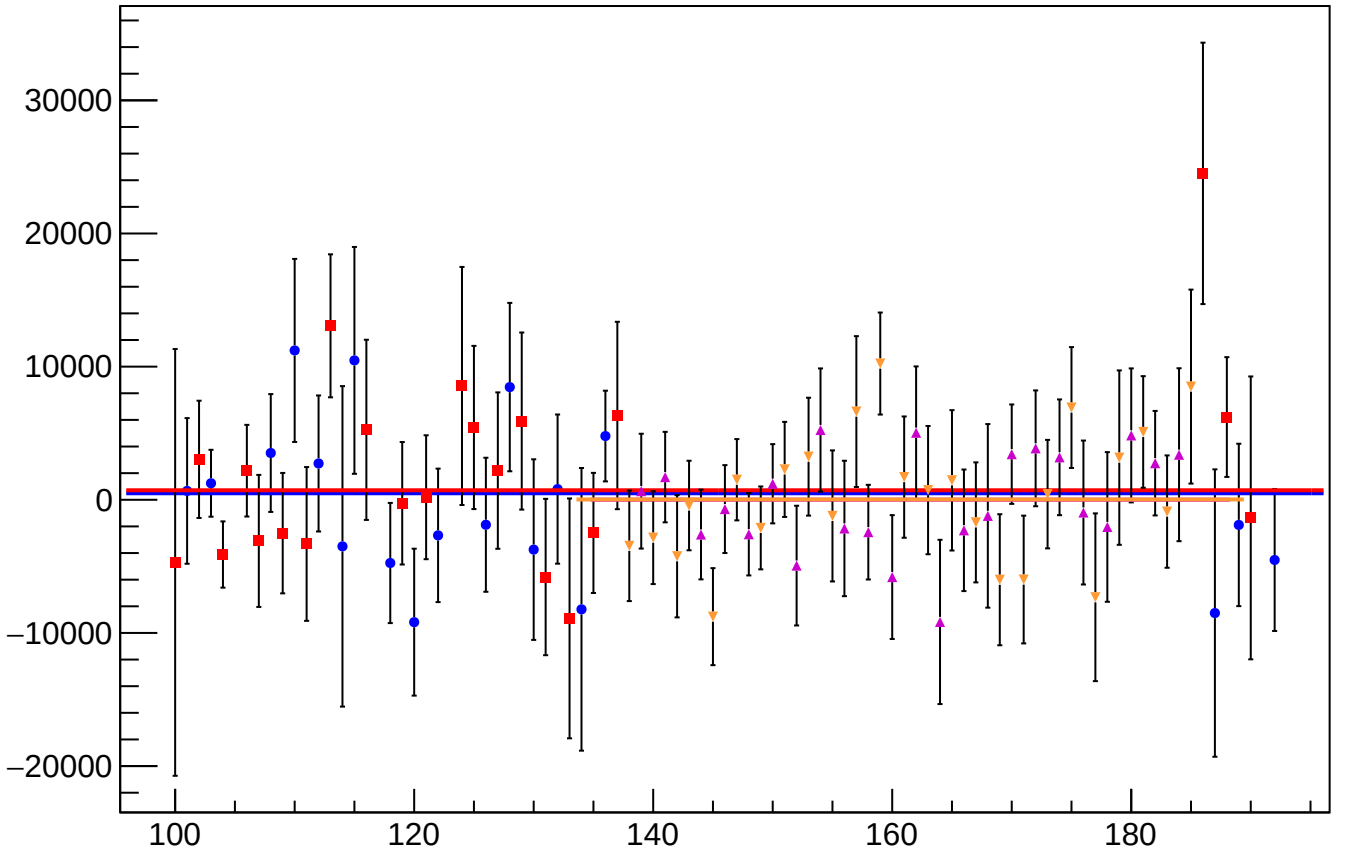
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1129.925+/-0.193 χ^2/NDF: 1569876.8/40

In: 1113.743+/-0.152 χ^2/NDF:976359.7/41

Out: 1108.677+/-0.148 χ^2/NDF:809105.9/46

All: 1111.146+/-0.106 χ^2/NDF: 1786034.0/88



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: 714.977+/-1090.452 χ^2/NDF: 24.7/21

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

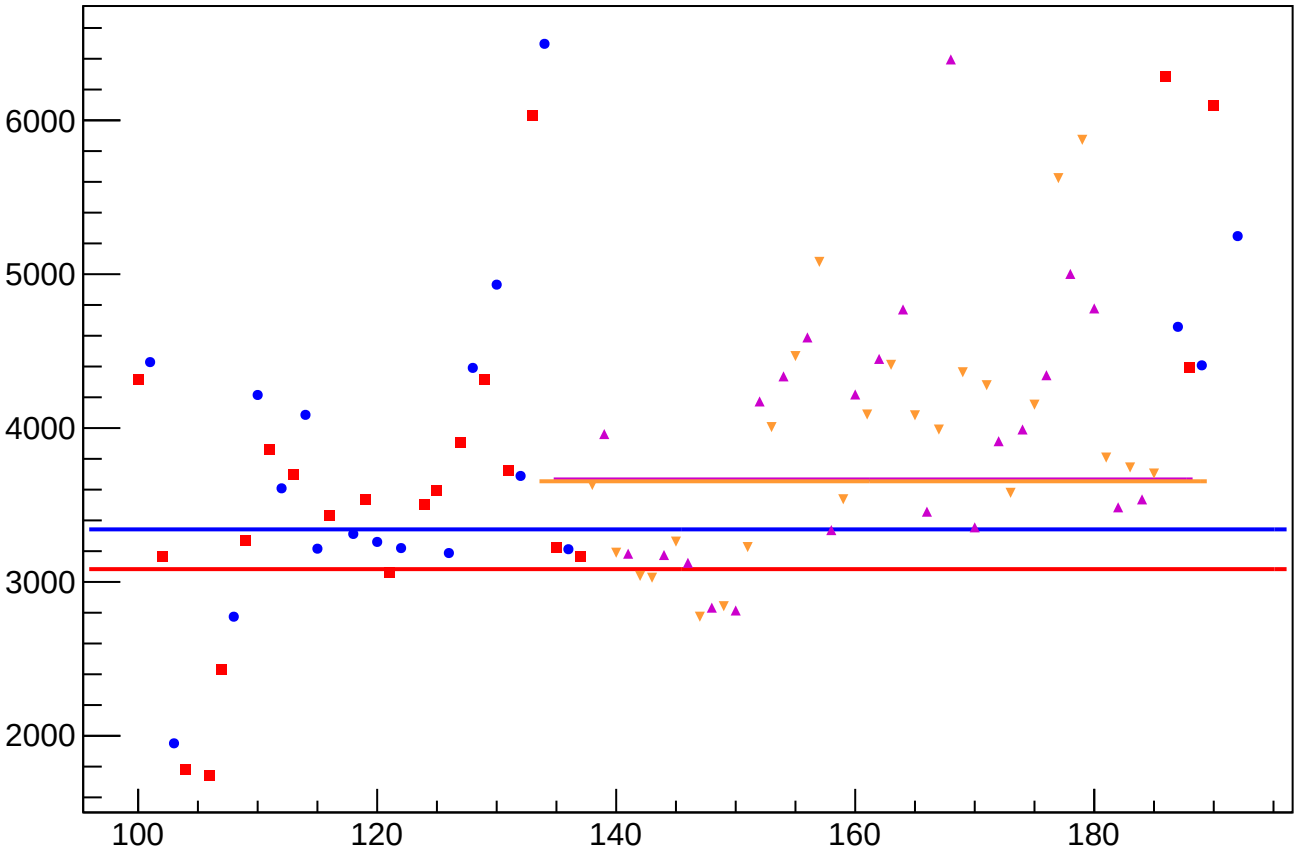
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 610.908+/-798.189 χ^2/NDF: 40.4/40

In: 179.898+/-701.176 χ^2/NDF:29.8/41

Out: 284.920+/-670.589 χ^2/NDF:53.4/46

All: 234.749+/-484.631 χ^2/NDF: 83.2/88



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: 3083.295+/-0.771 χ^2/NDF: 1897659.6/21

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

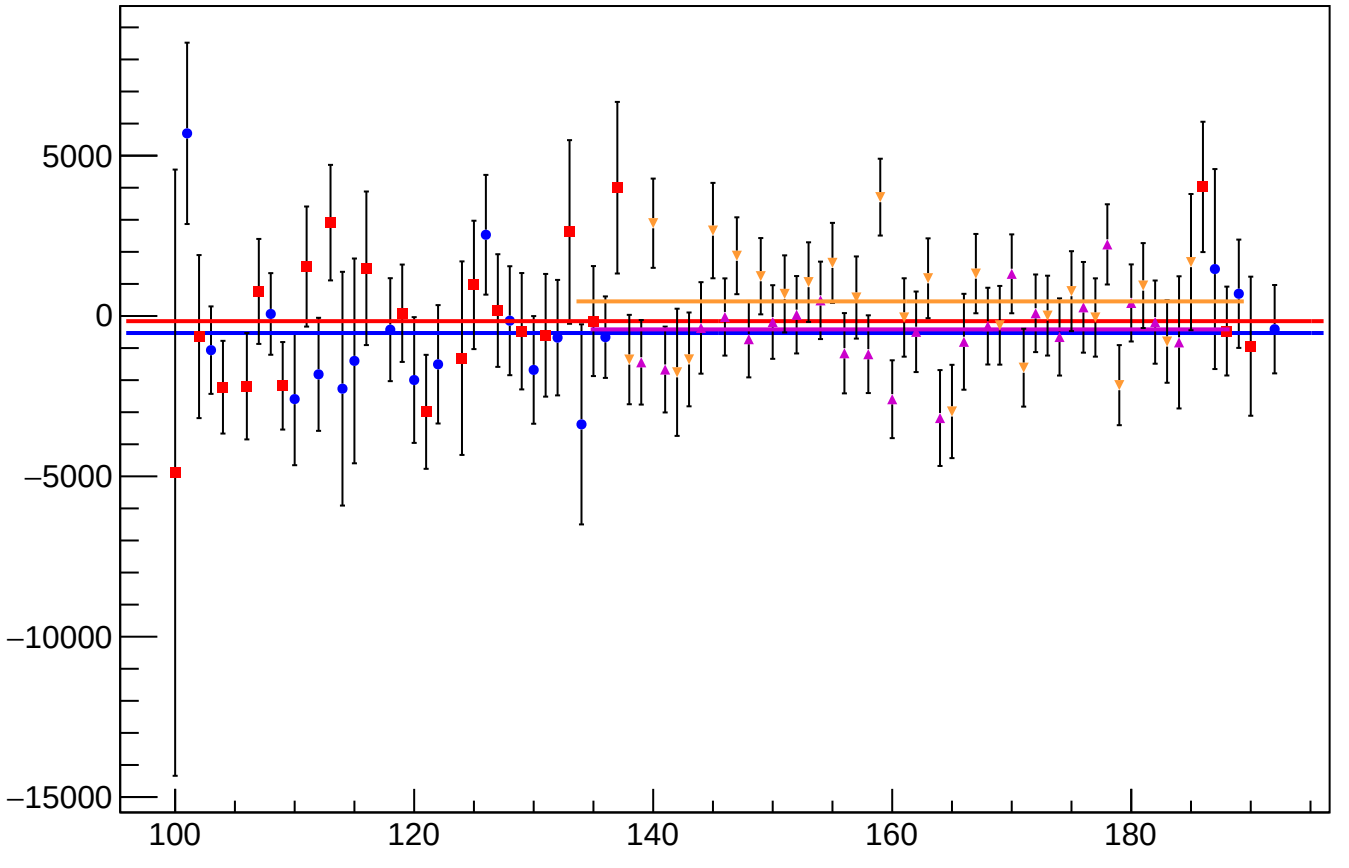
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3203.219+/-0.564 χ^2/NDF: 3422087.7/40

In: 3549.880+/-0.496 χ^2/NDF:2914494.5/41

Out: 3438.291+/-0.474 χ^2/NDF:3550308.5/46

All: 3491.598+/-0.343 χ^2/NDF: 6491259.0/88



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: -160.707+/-399.221 χ^2/NDF: 21.5/21

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

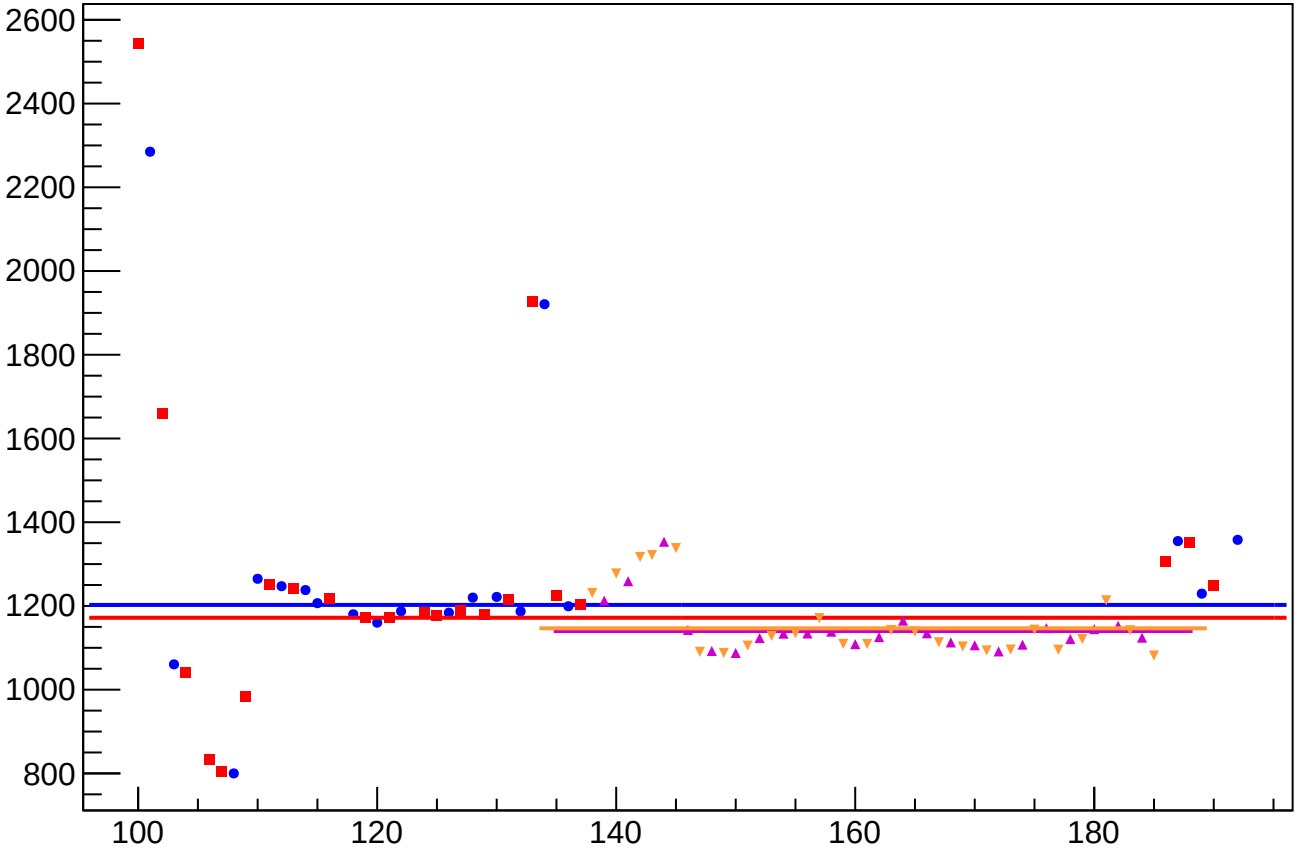
Right: -340.745+/-285.995 χ^2/NDF: 34.8/40

In: -450.893+/-223.479 χ^2/NDF:30.3/41

Out: 271.129+/-218.460 χ^2/NDF:59.3/46

All: -81.683+/-156.219 χ^2/NDF: 94.9/88

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: 1171.776+/-0.282 χ^2/NDF: 550896.1/21

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

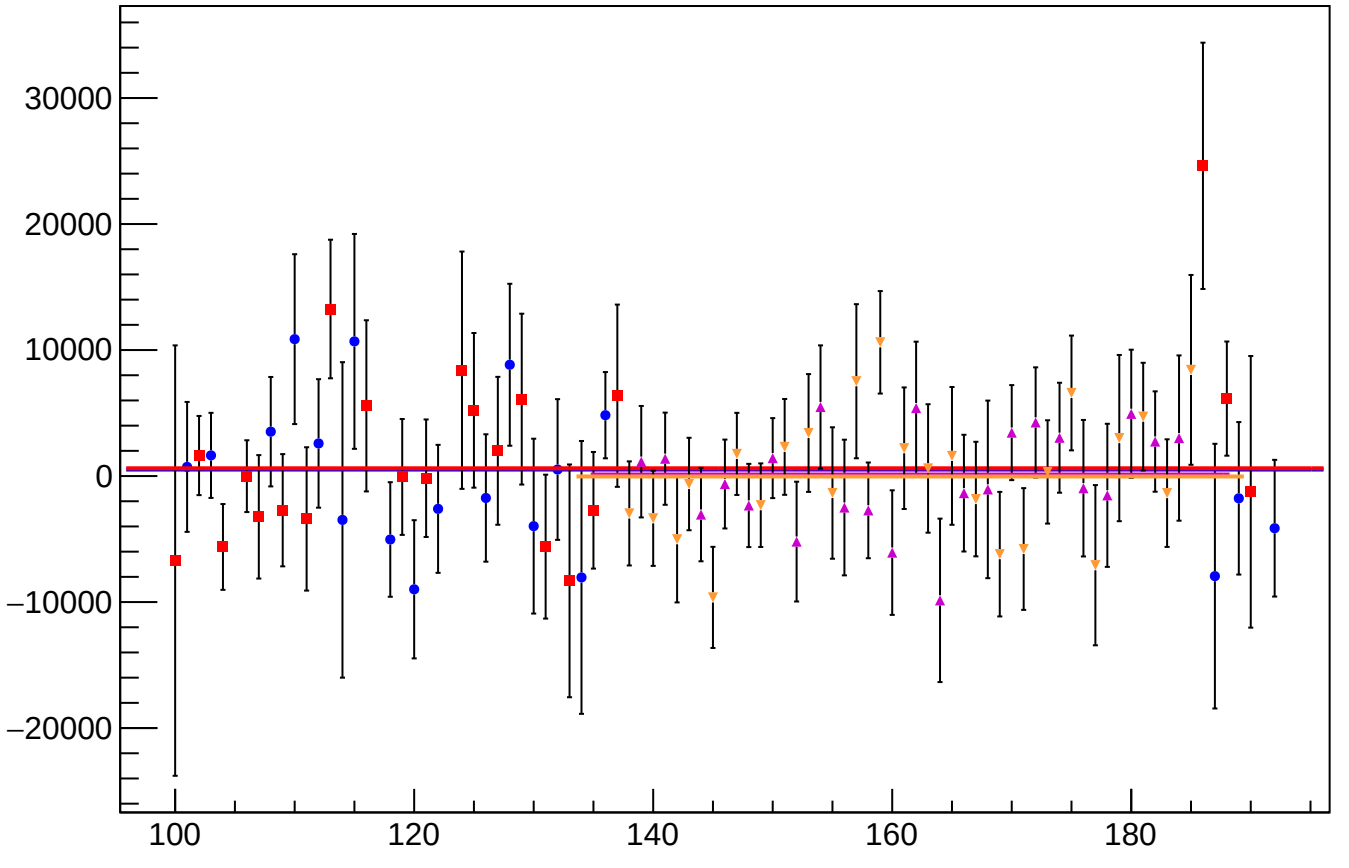
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1186.715+/-0.202 χ^2/NDF: 1213889.2/40

In: 1158.688+/-0.158 χ^2/NDF:774447.3/41

Out: 1154.152+/-0.154 χ^2/NDF:697481.2/46

All: 1156.369+/-0.110 χ^2/NDF: 1472349.8/88



Right In: 516.734+/-1231.037 χ^2/NDF: 15.5/18

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 615.194+/-1084.702 χ^2/NDF: 24.0/21

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

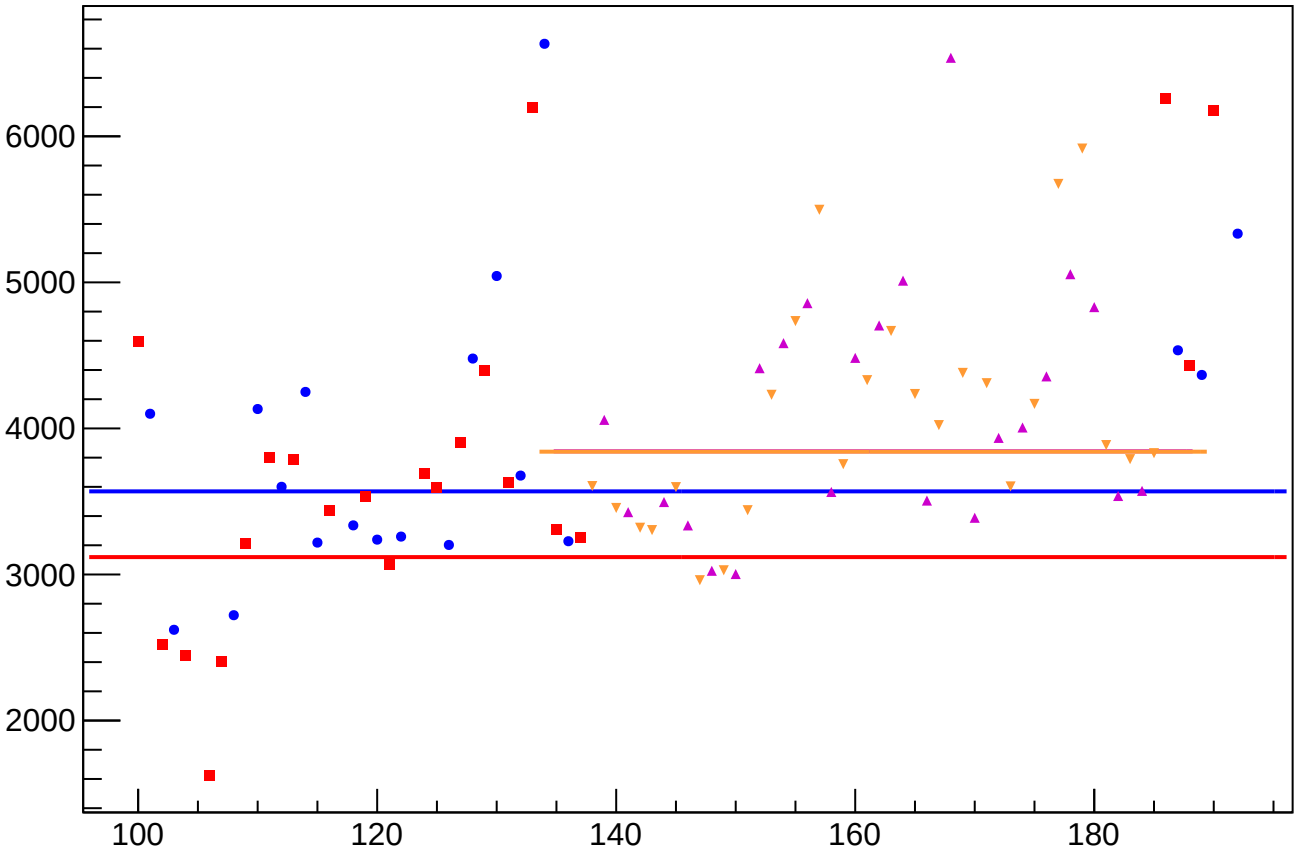
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 572.161+/-813.845 χ^2/NDF: 39.6/40

In: 262.001+/-734.733 χ^2/NDF:29.4/41

Out: 227.954+/-688.672 χ^2/NDF:52.0/46

All: 243.877+/-502.459 χ^2/NDF: 81.4/88



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: 3119.074+/-0.767 χ^2/NDF: 1742266.5/21

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

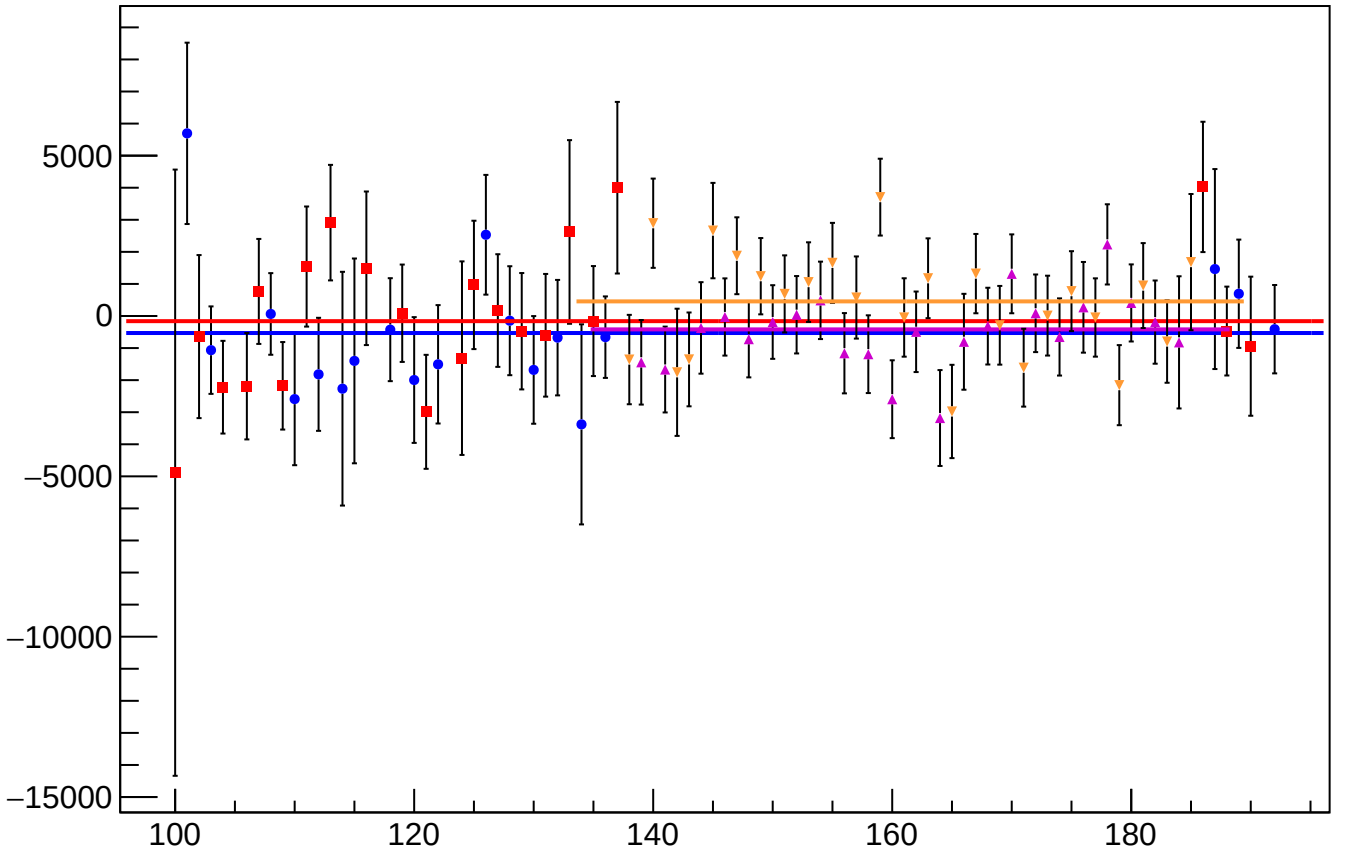
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3315.759+/-0.575 χ^2/NDF: 2776068.0/40

In: 3745.641+/-0.520 χ^2/NDF:2143298.2/41

Out: 3549.896+/-0.487 χ^2/NDF:3389498.0/46

All: 3641.441+/-0.355 χ^2/NDF: 5608362.2/88



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: -160.712+/-399.221 χ^2/NDF: 21.5/21

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

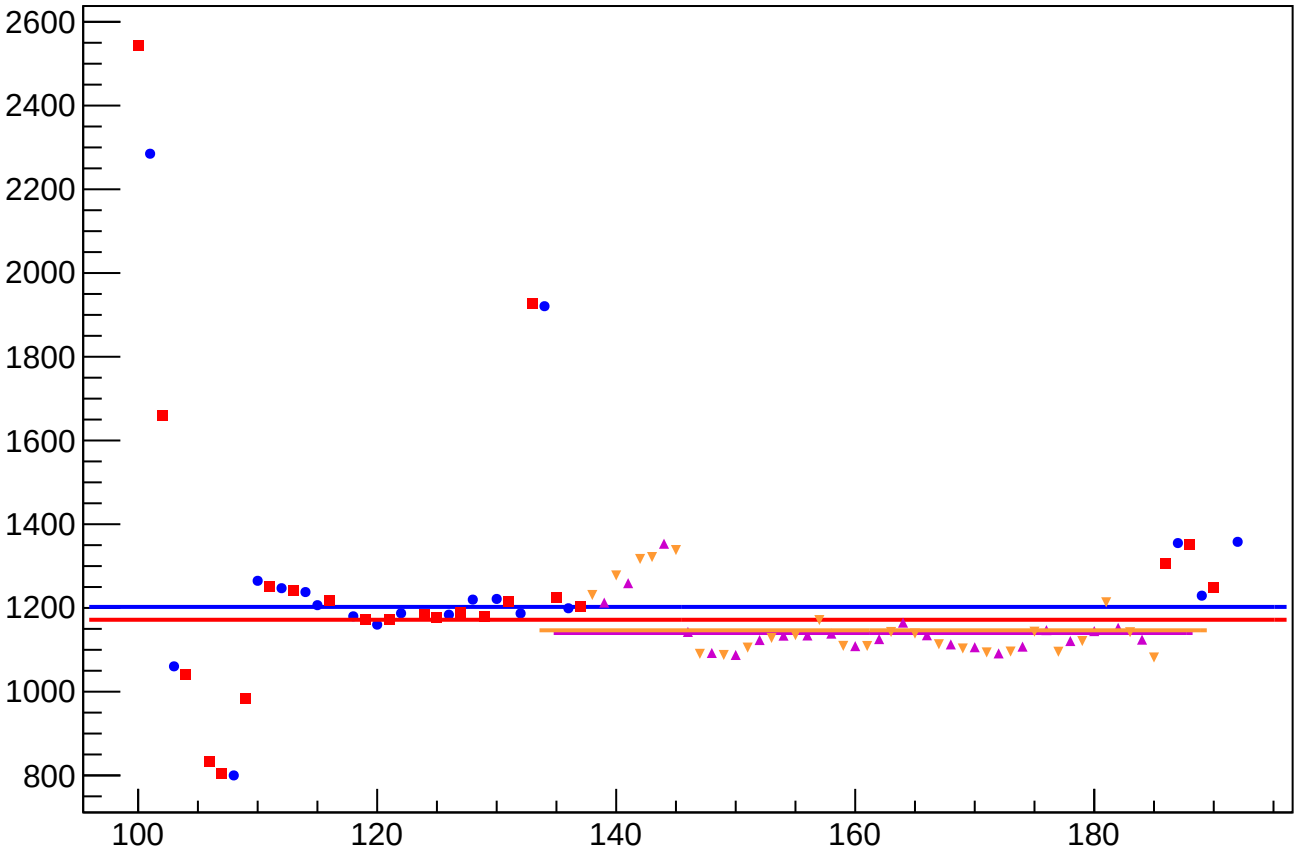
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -340.749+/-285.995 χ^2/NDF: 34.8/40

In: -450.893+/-223.479 χ^2/NDF:30.3/41

Out: 271.130+/-218.460 χ^2/NDF:59.3/46

All: -81.683+/-156.219 χ^2/NDF: 94.9/88



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: 1171.777+/-0.282 χ^2/NDF: 550895.5/21

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

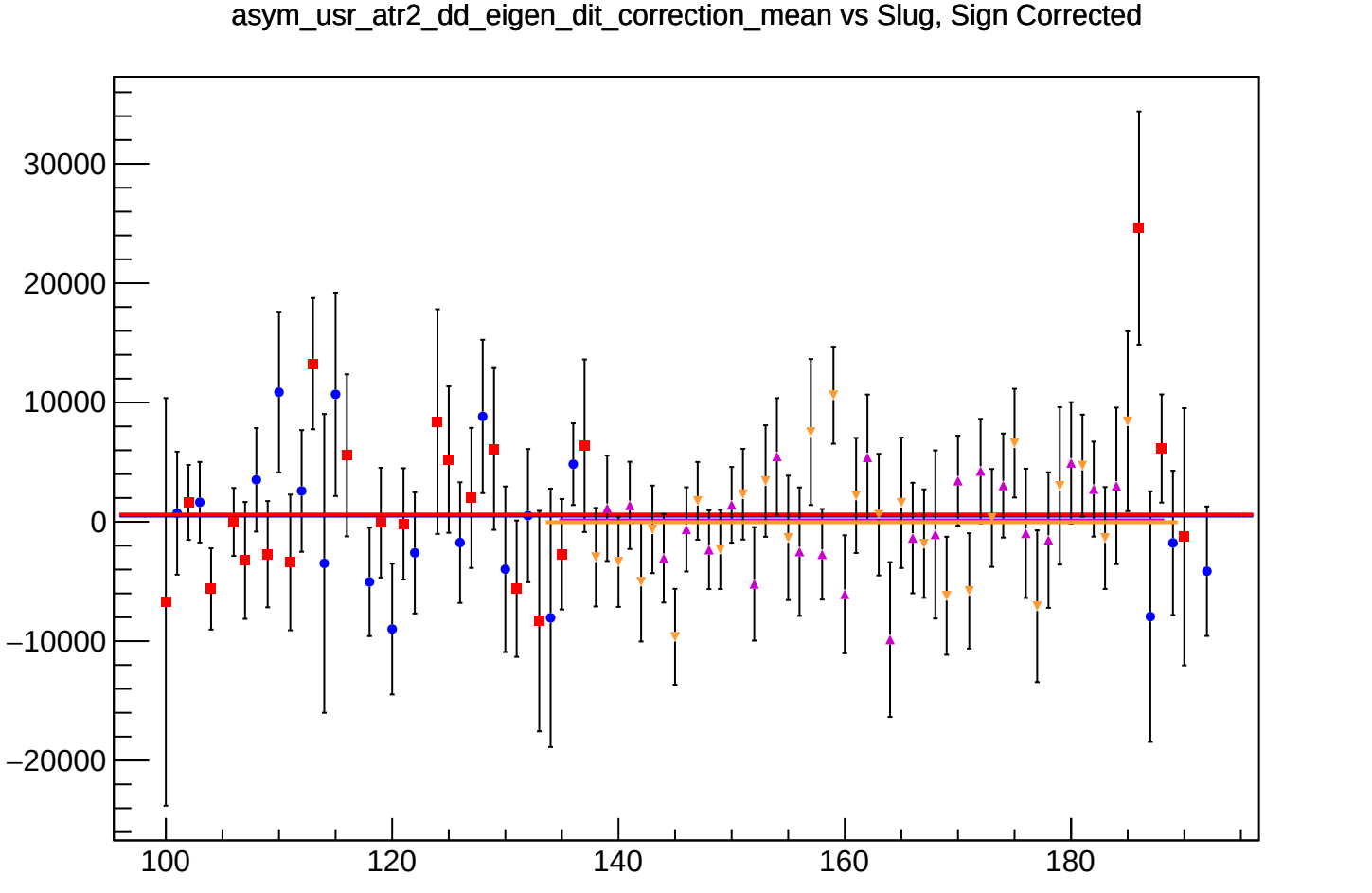
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

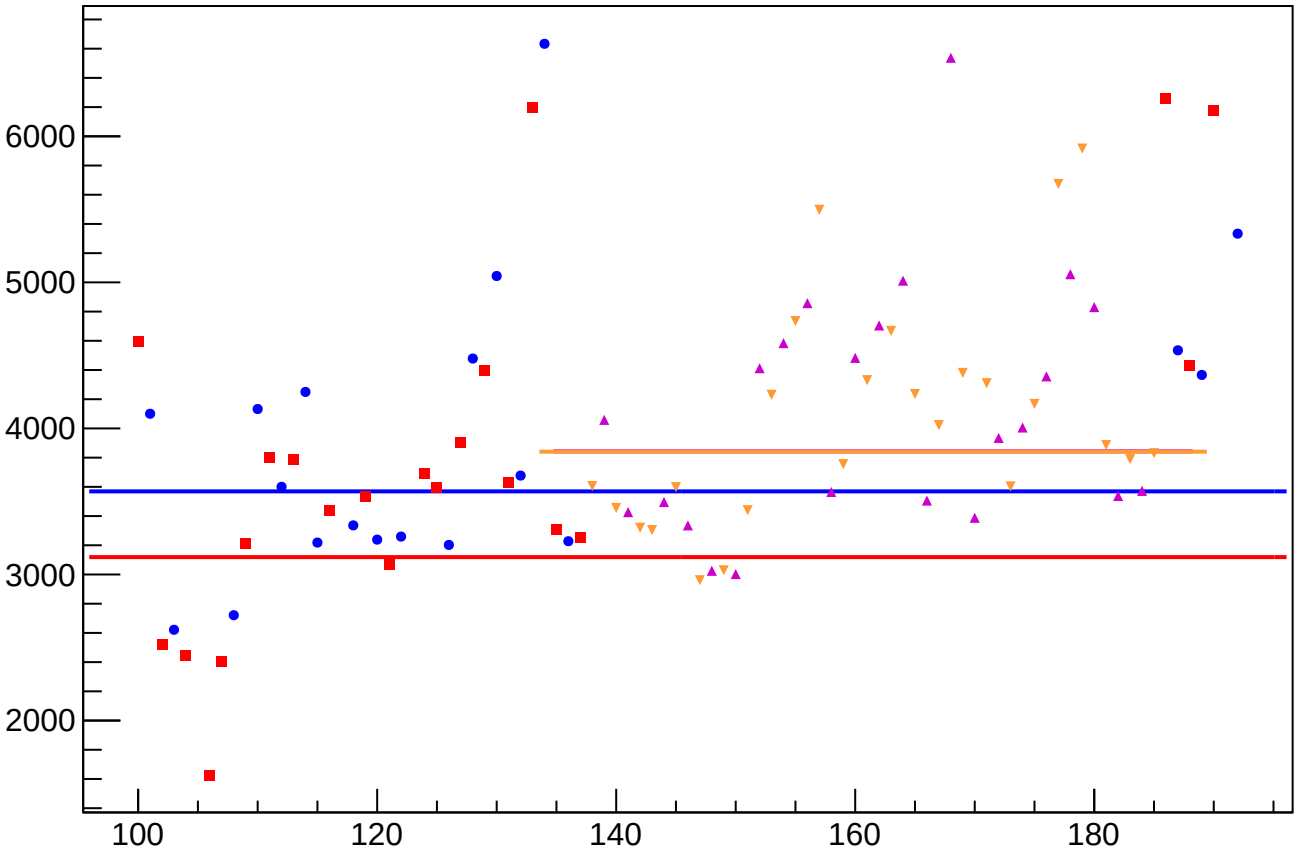
Right: 1186.715+/-0.202 χ^2/NDF: 1213888.5/40

In: 1158.689+/-0.158 χ^2/NDF:774446.0/41

Out: 1154.153+/-0.154 χ^2/NDF:697480.4/46

All: 1156.369+/-0.110 χ^2/NDF: 1472347.8/88


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: 615.185+/-1084.700 χ²/NDF: 24.0/21
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 572.150+/-813.844 χ²/NDF: 39.6/40
In: 261.998+/-734.733 χ²/NDF:29.4/41
Out: 227.952+/-688.672 χ²/NDF:52.0/46
All: 243.874+/-502.460 χ²/NDF: 81.4/88



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: 3119.069+/-0.767 χ^2/NDF: 1742268.3/21

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

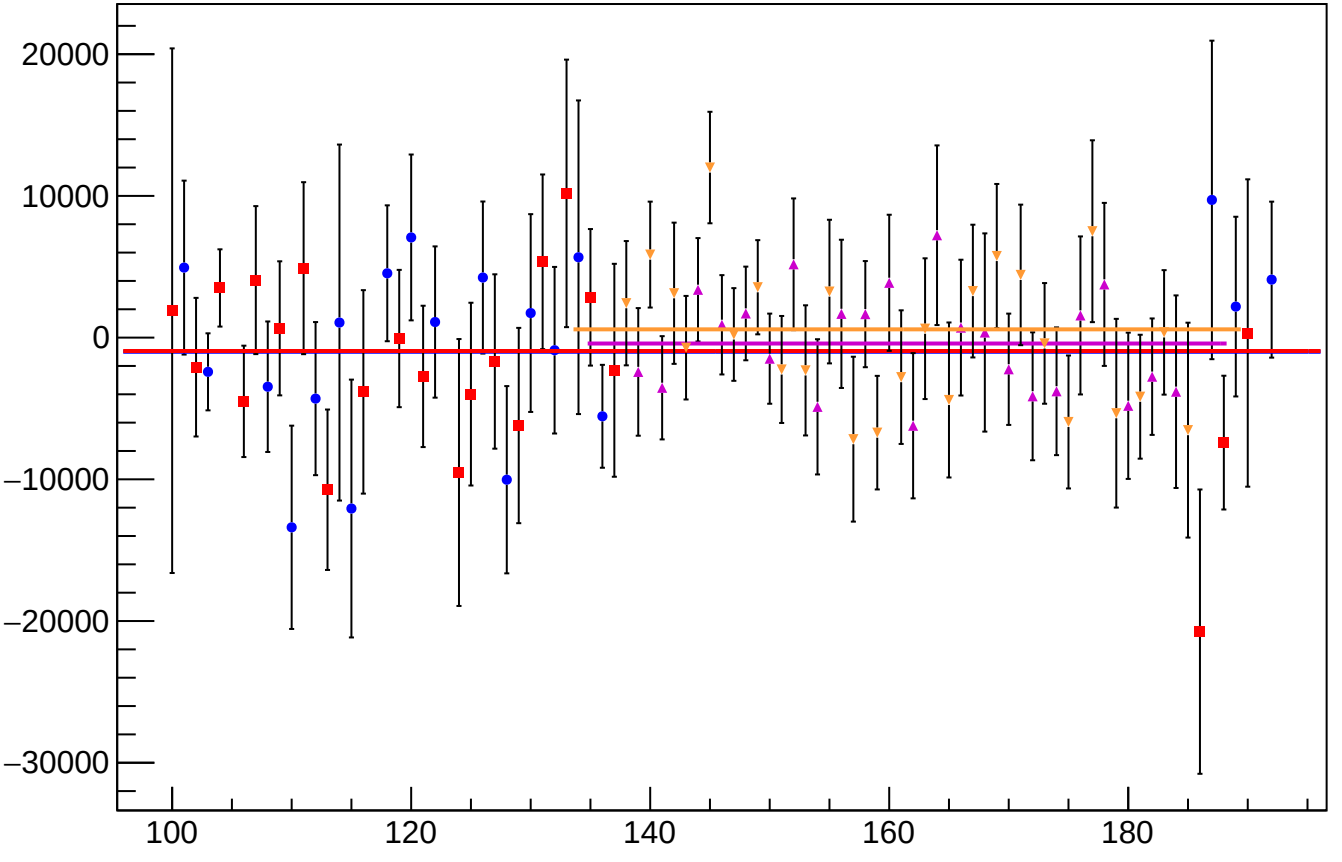
Right: 3315.755+/-0.575 χ^2/NDF: 2776069.2/40

In: 3745.642+/-0.520 χ^2/NDF:2143303.7/41

Out: 3549.897+/-0.487 χ^2/NDF:3389516.5/46

All: 3641.442+/-0.355 χ^2/NDF: 5608387.3/88

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



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: -944.883+/-1170.043 χ^2/NDF: 19.4/21

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

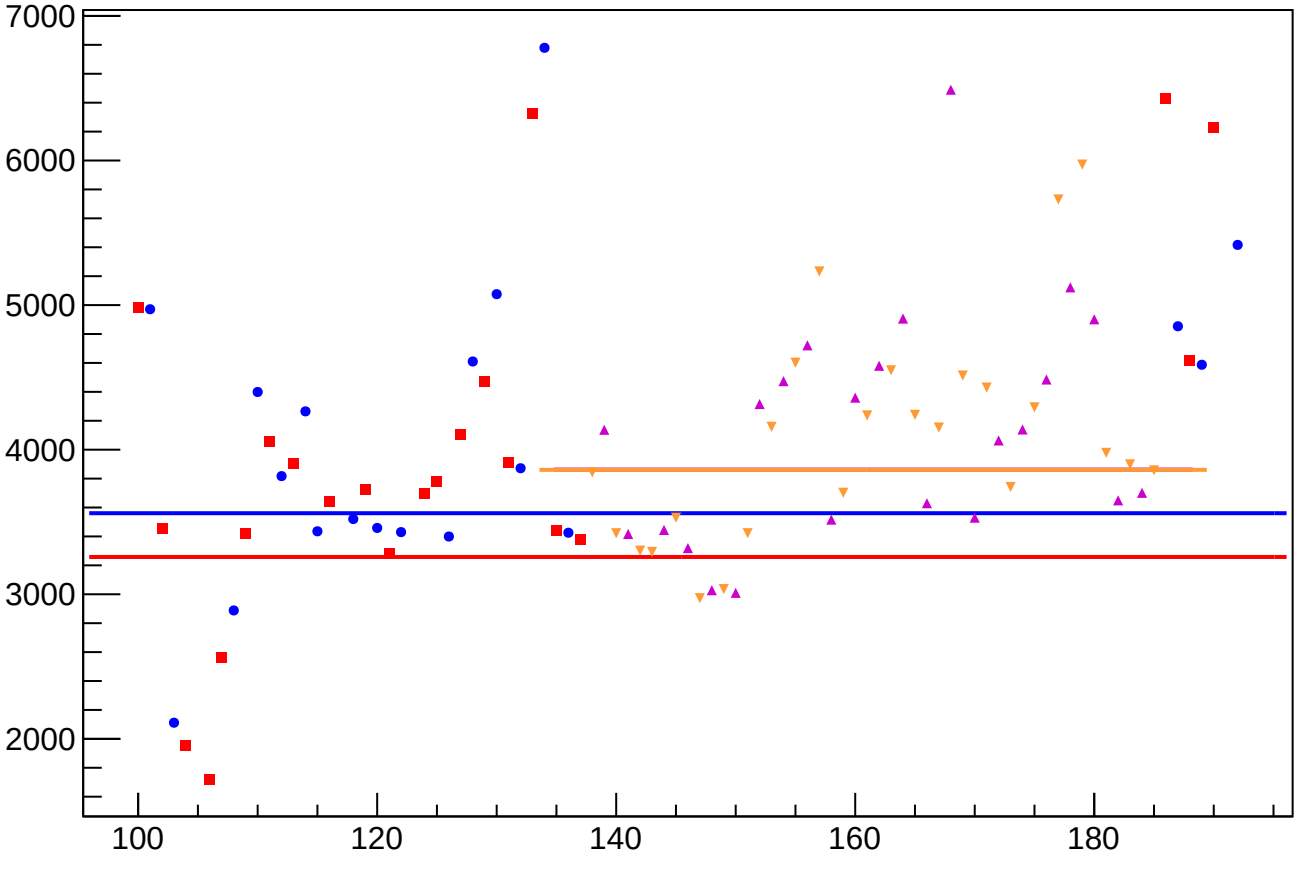
Right: -969.532+/-852.376 χ^2/NDF: 36.0/40

In: -621.739+/-739.231 χ^2/NDF:29.3/41

Out: 19.265+/-710.823 χ^2/NDF:47.9/46

All: -288.684+/-512.377 χ^2/NDF: 77.5/88

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: 3257.893+/-0.815 χ^2/NDF: 1883661.0/21

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

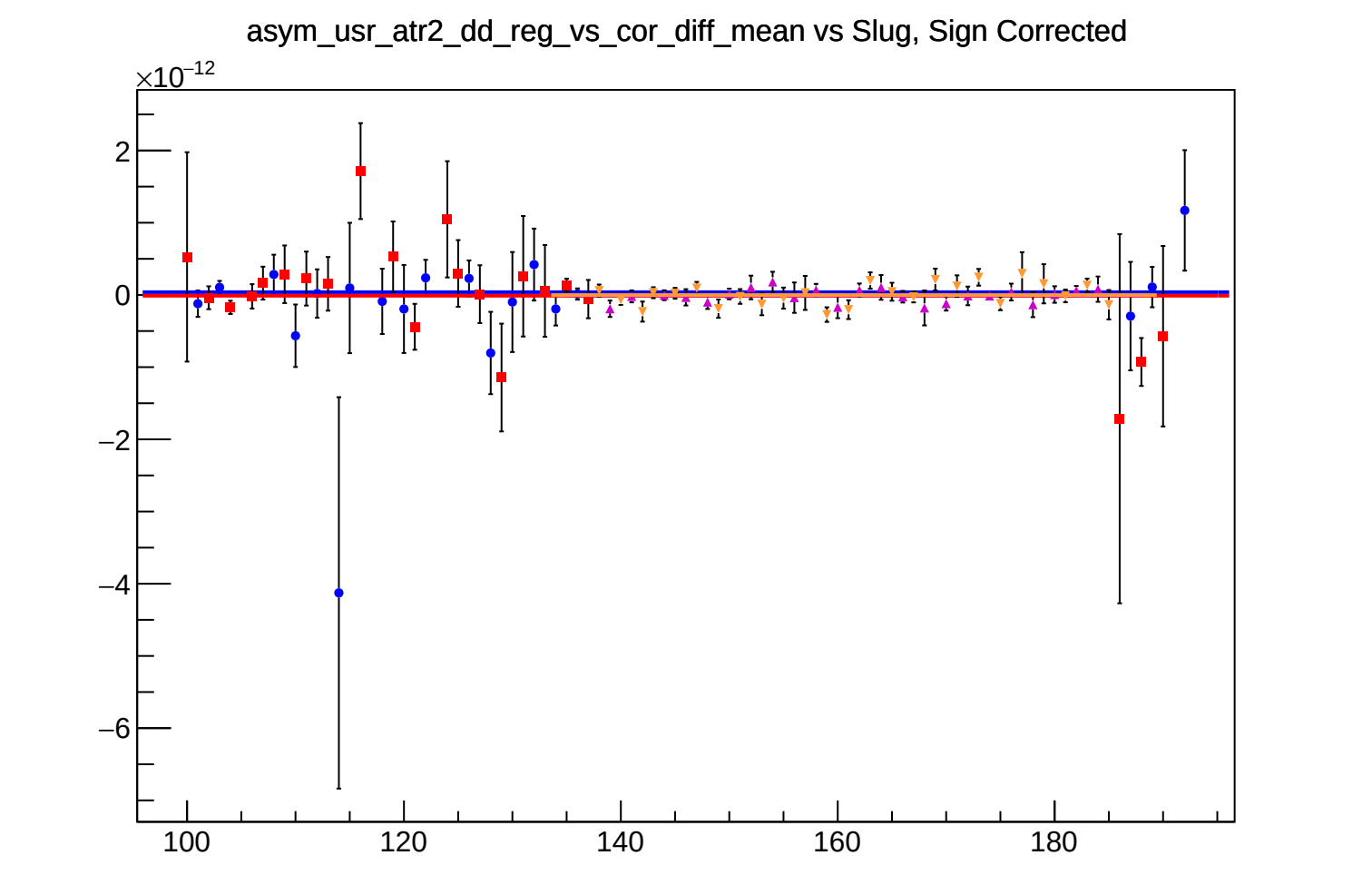
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

Right: 3397.646+/-0.598 χ^2/NDF: 3334903.9/40

In: 3755.851+/-0.523 χ^2/NDF:2605746.9/41

Out: 3633.760+/-0.500 χ^2/NDF:3322256.1/46

All: 3692.064+/-0.361 χ^2/NDF: 5956506.2/88



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: 30.3/21

Left In: -0.000+/-0.000 χ^2/NDF:12.8/22

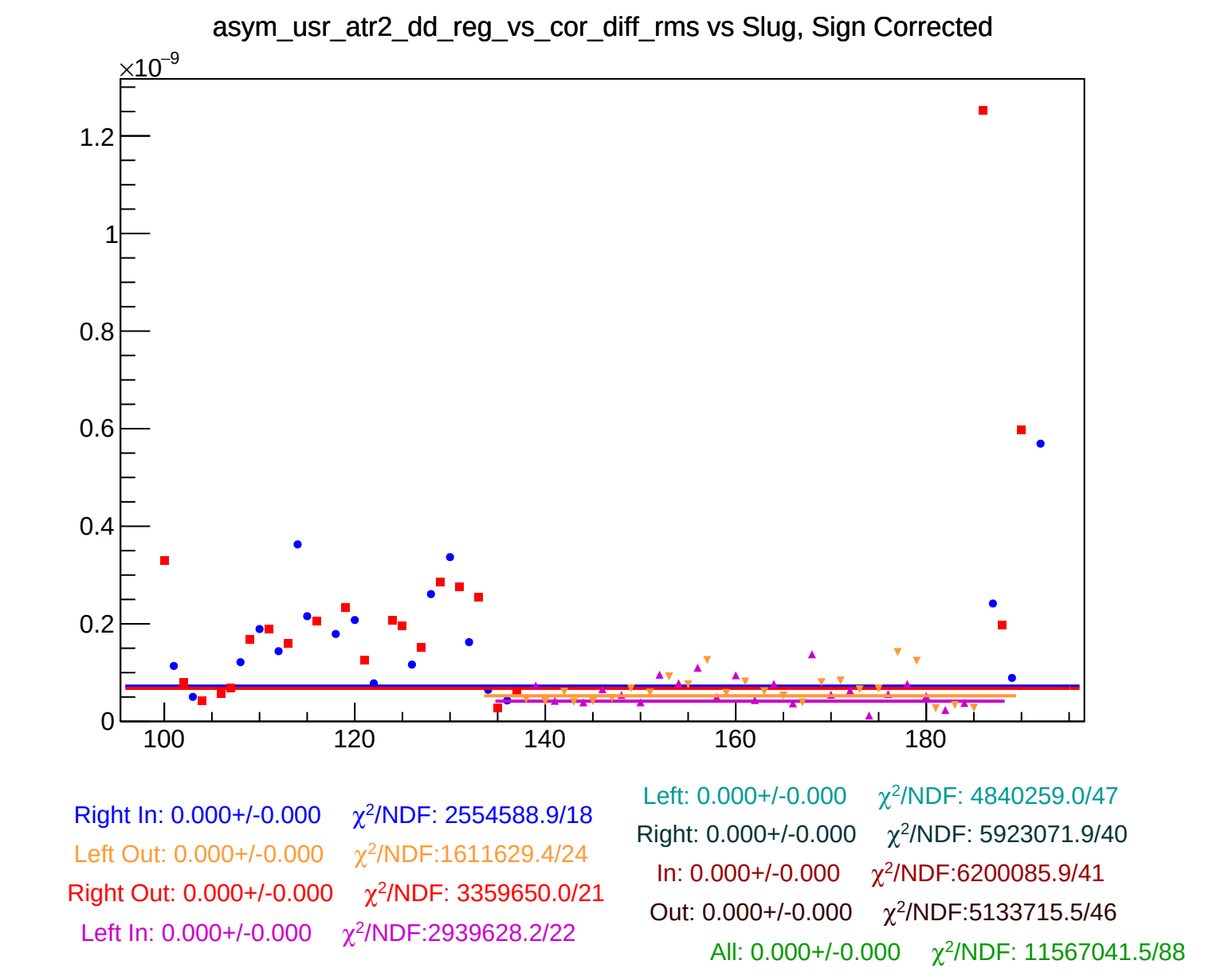
Left: -0.000+/-0.000 χ^2/NDF: 47.1/47

Right: 0.000+/-0.000 χ^2/NDF: 44.8/40

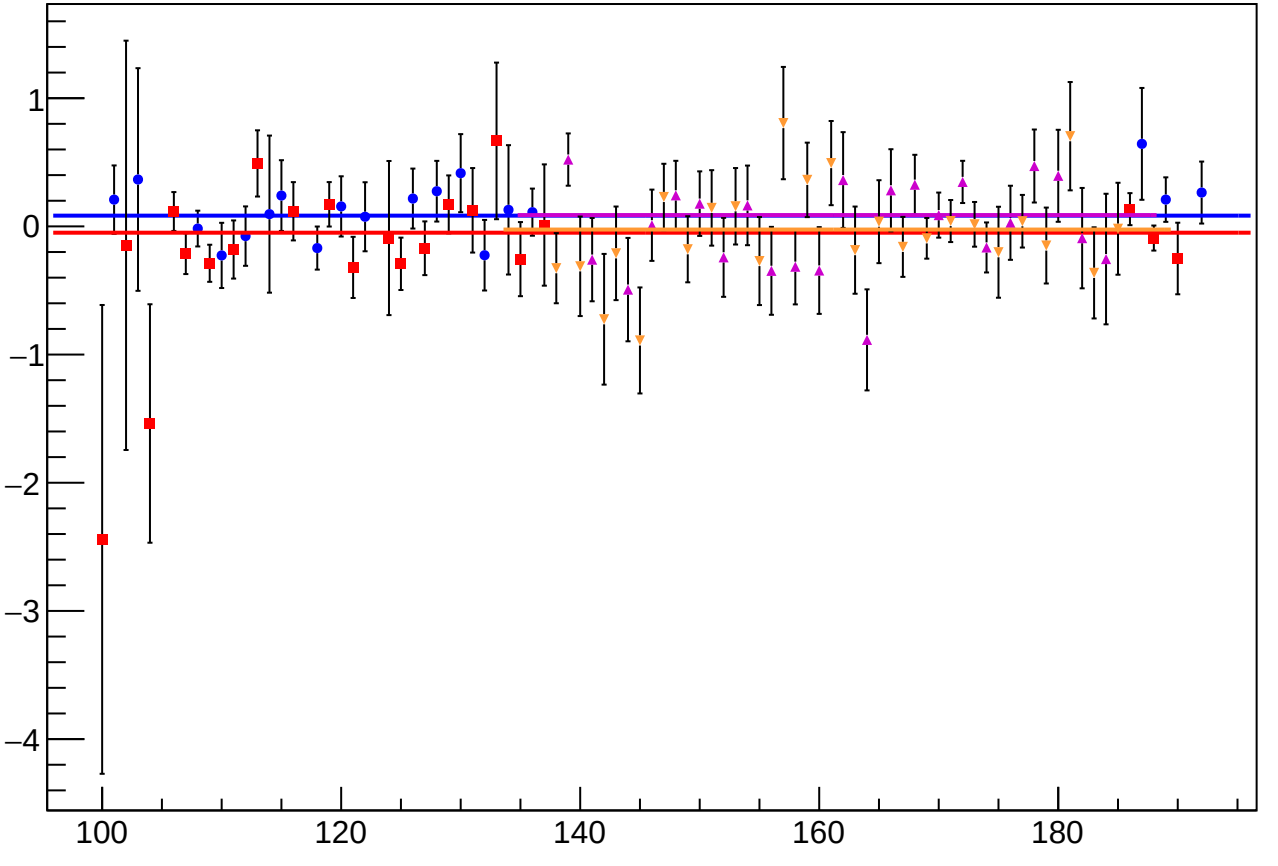
In: -0.000+/-0.000 χ^2/NDF:27.5/41

Out: -0.000+/-0.000 χ^2/NDF:64.6/46

All: -0.000+/-0.000 χ^2/NDF: 92.2/88


asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 2554588.9/18
Left Out: 0.000+/-0.000 χ²/NDF:1611629.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 3359650.0/21
Left In: 0.000+/-0.000 χ²/NDF:2939628.2/22
Left: 0.000+/-0.000 χ²/NDF: 4840259.0/47
Right: 0.000+/-0.000 χ²/NDF: 5923071.9/40
In: 0.000+/-0.000 χ²/NDF:6200085.9/41
Out: 0.000+/-0.000 χ²/NDF:5133715.5/46
All: 0.000+/-0.000 χ²/NDF: 11567041.5/88

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.049+/-0.044 χ^2/NDF: 25.2/21

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

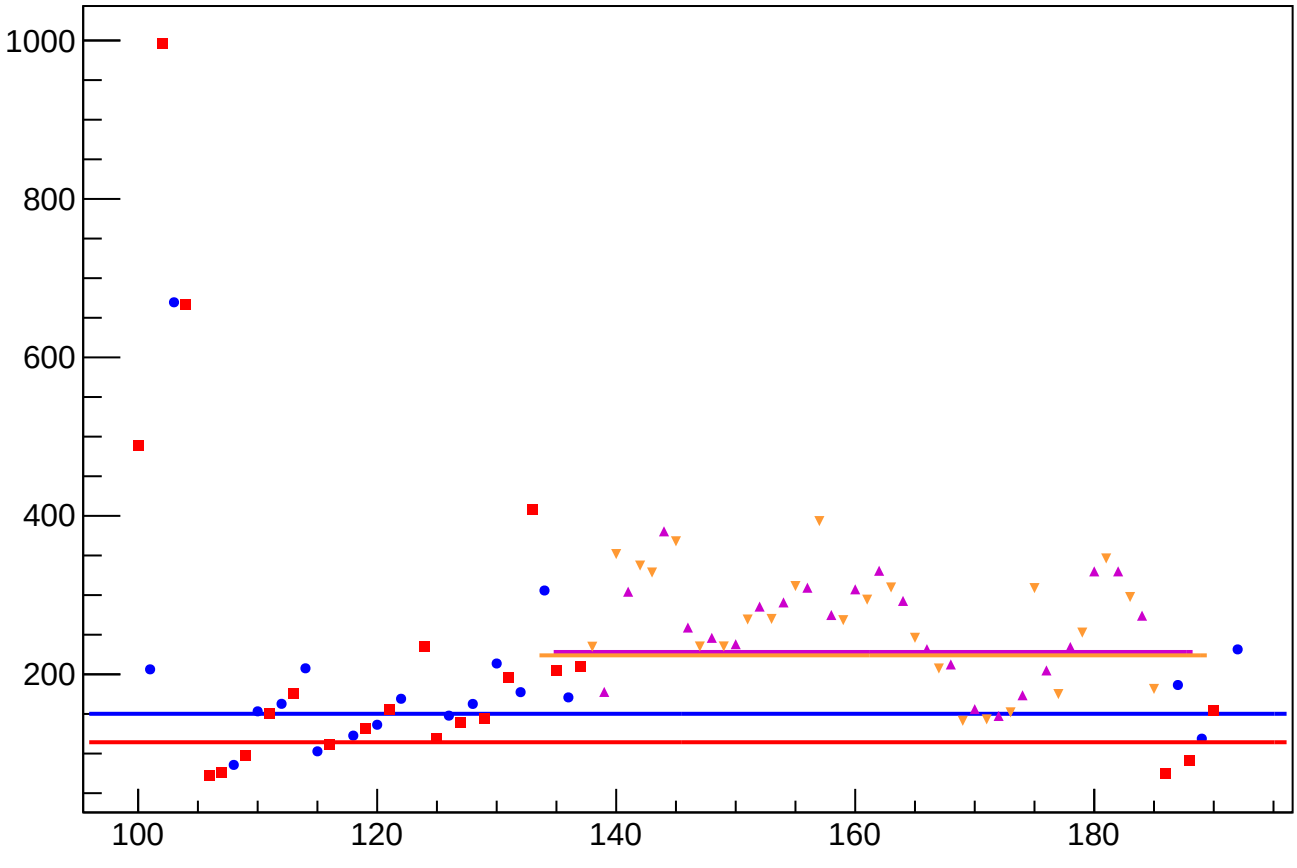
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.003+/-0.034 χ^2/NDF: 40.4/40

In: 0.086+/-0.039 χ^2/NDF:41.7/41

Out: -0.040+/-0.034 χ^2/NDF:49.4/46

All: 0.014+/-0.026 χ^2/NDF: 96.8/88



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: 114.289+/-0.031 χ^2/NDF: 3318880.6/21

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

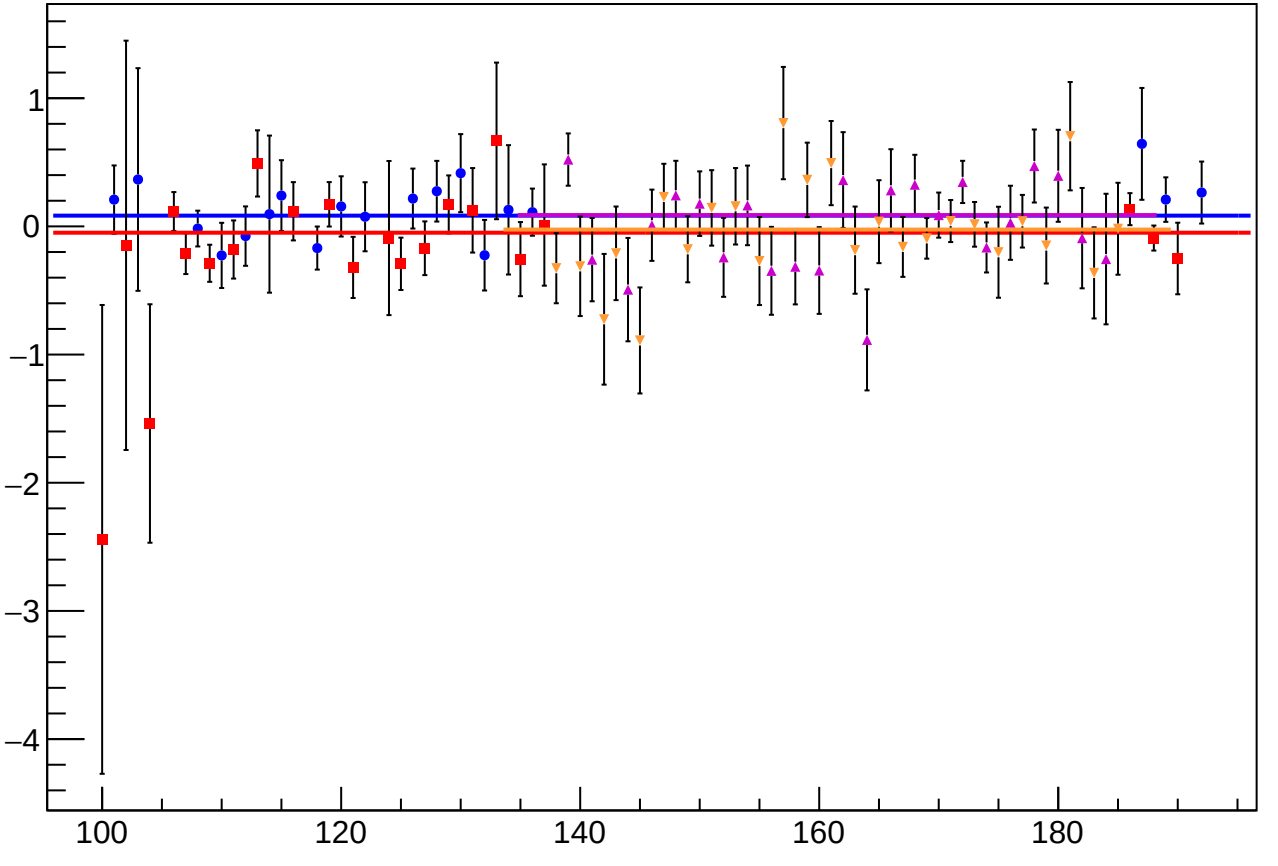
Right: 128.367+/-0.024 χ^2/NDF: 5858035.4/40

In: 187.889+/-0.028 χ^2/NDF:6465596.4/41

Out: 157.480+/-0.024 χ^2/NDF:11646953.7/46

All: 170.581+/-0.018 χ^2/NDF: 18791098.3/88

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.049+/-0.044 χ^2/NDF: 25.2/21

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

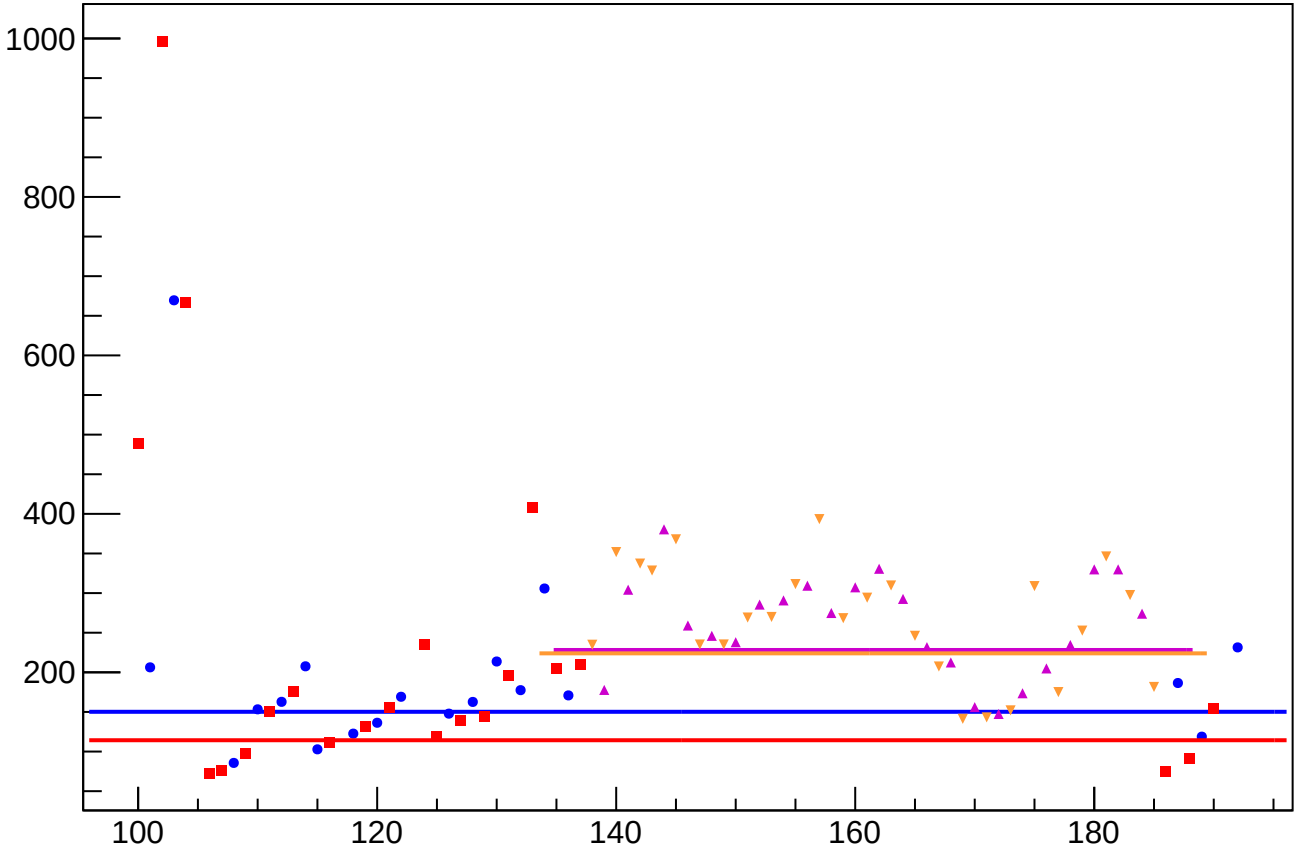
Right: 0.003+/-0.034 χ^2/NDF: 40.4/40

In: 0.086+/-0.039 χ^2/NDF:41.7/41

Out: -0.040+/-0.034 χ^2/NDF:49.4/46

All: 0.014+/-0.026 χ^2/NDF: 96.8/88

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 114.289+/-0.031 χ^2/NDF: 3318880.6/21

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

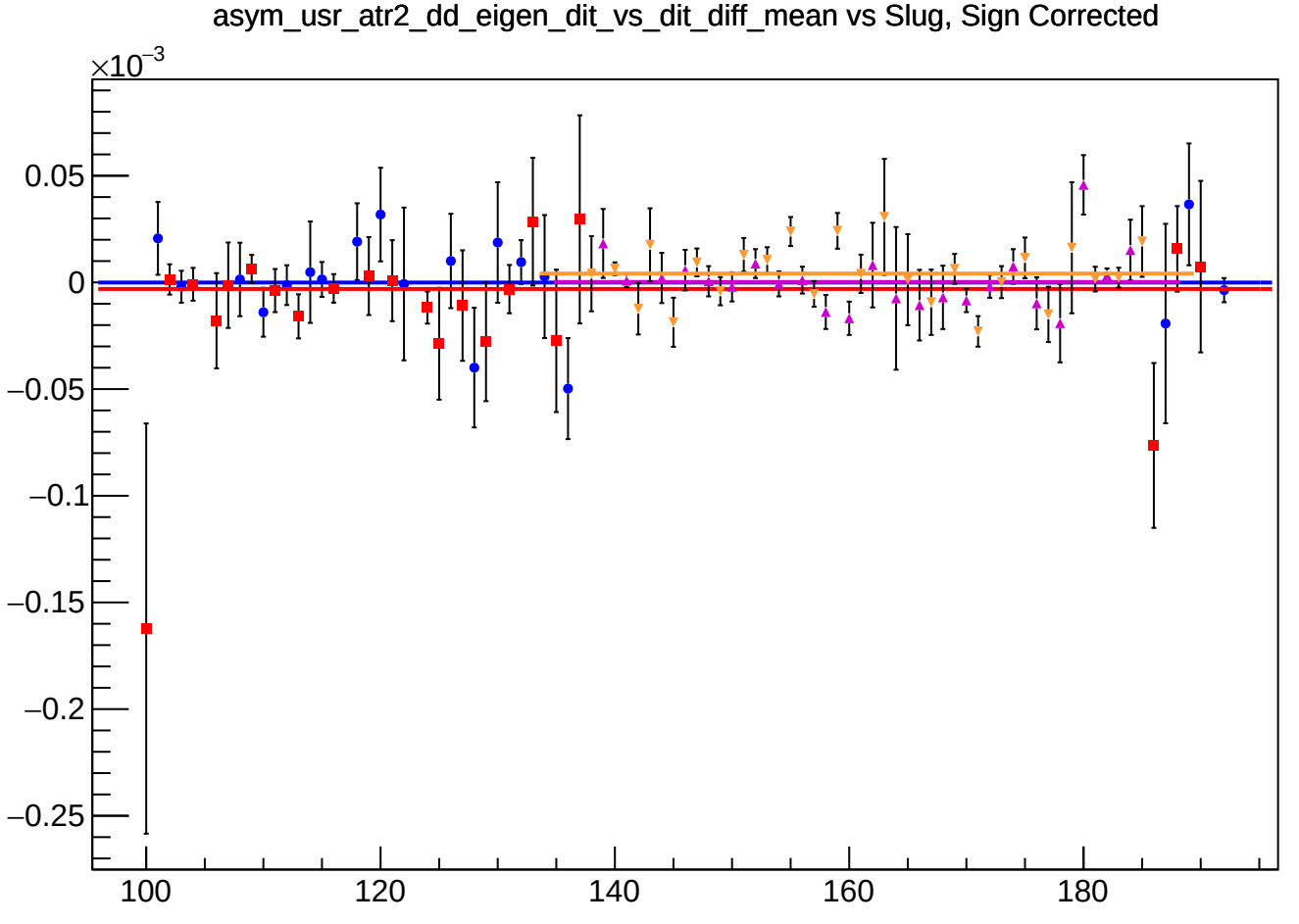
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 128.367+/-0.024 χ^2/NDF: 5858035.4/40

In: 187.889+/-0.028 χ^2/NDF:6465596.4/41

Out: 157.480+/-0.024 χ^2/NDF:11646953.7/46

All: 170.581+/-0.018 χ^2/NDF: 18791098.3/88



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: 17.3/21

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

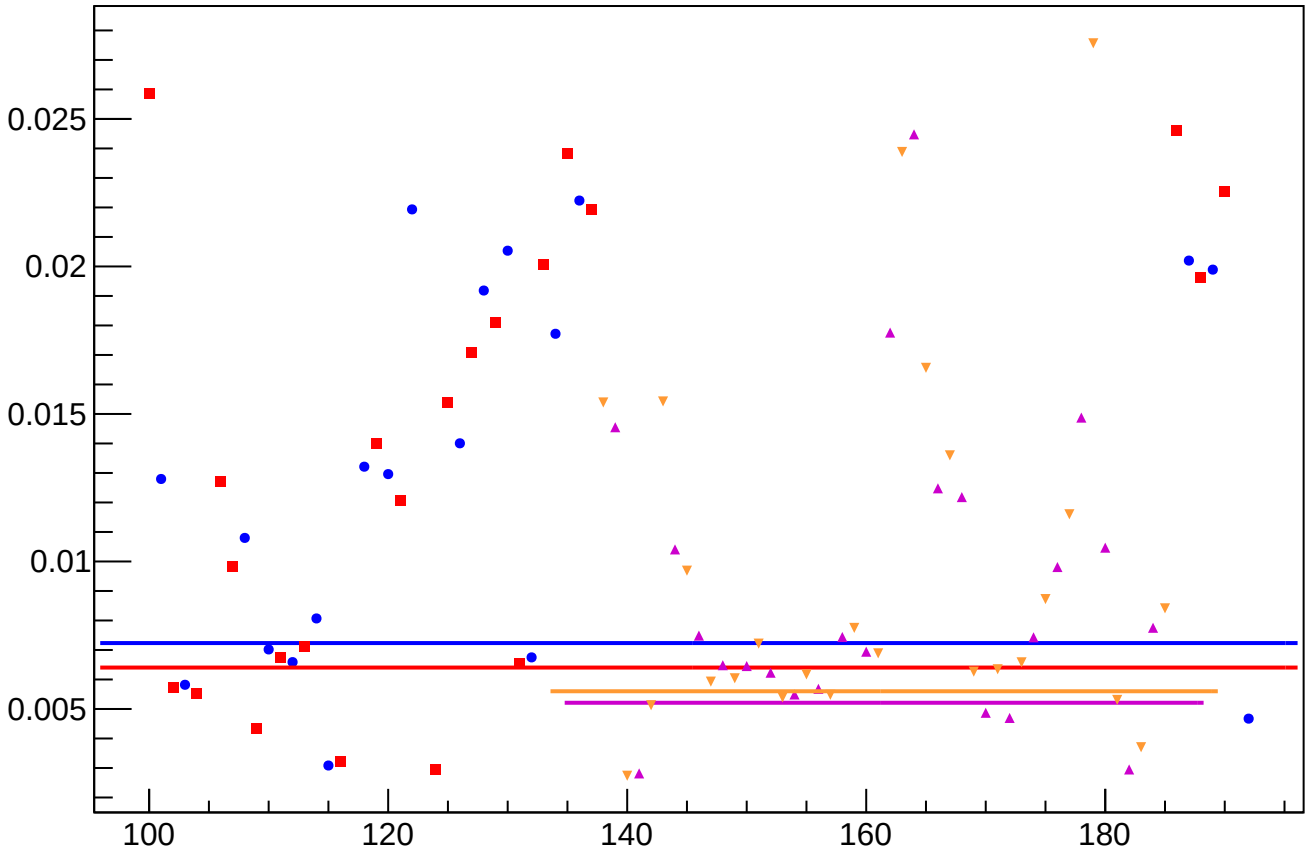
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 34.4/40

In: 0.000+/-0.000 χ^2/NDF:46.6/41

Out: 0.000+/-0.000 χ^2/NDF:71.9/46

All: 0.000+/-0.000 χ^2/NDF: 120.1/88



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: 5689703.2/21

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

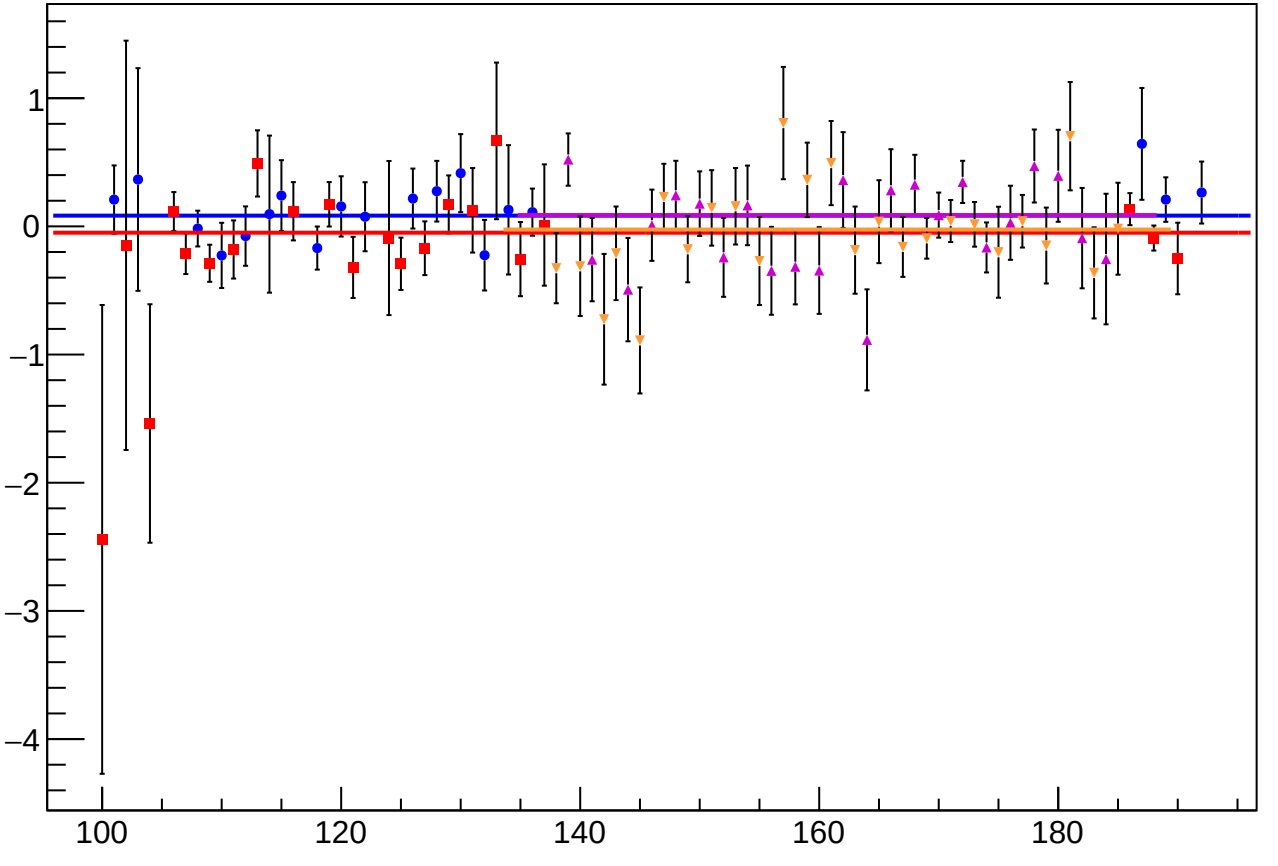
Right: 0.007+/-0.000 χ^2/NDF: 10395251.8/40

In: 0.006+/-0.000 χ^2/NDF:12845384.1/41

Out: 0.006+/-0.000 χ^2/NDF:13603655.2/46

All: 0.006+/-0.000 χ^2/NDF: 26472031.4/88

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.049+/-0.044 χ^2/NDF: 25.2/21

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

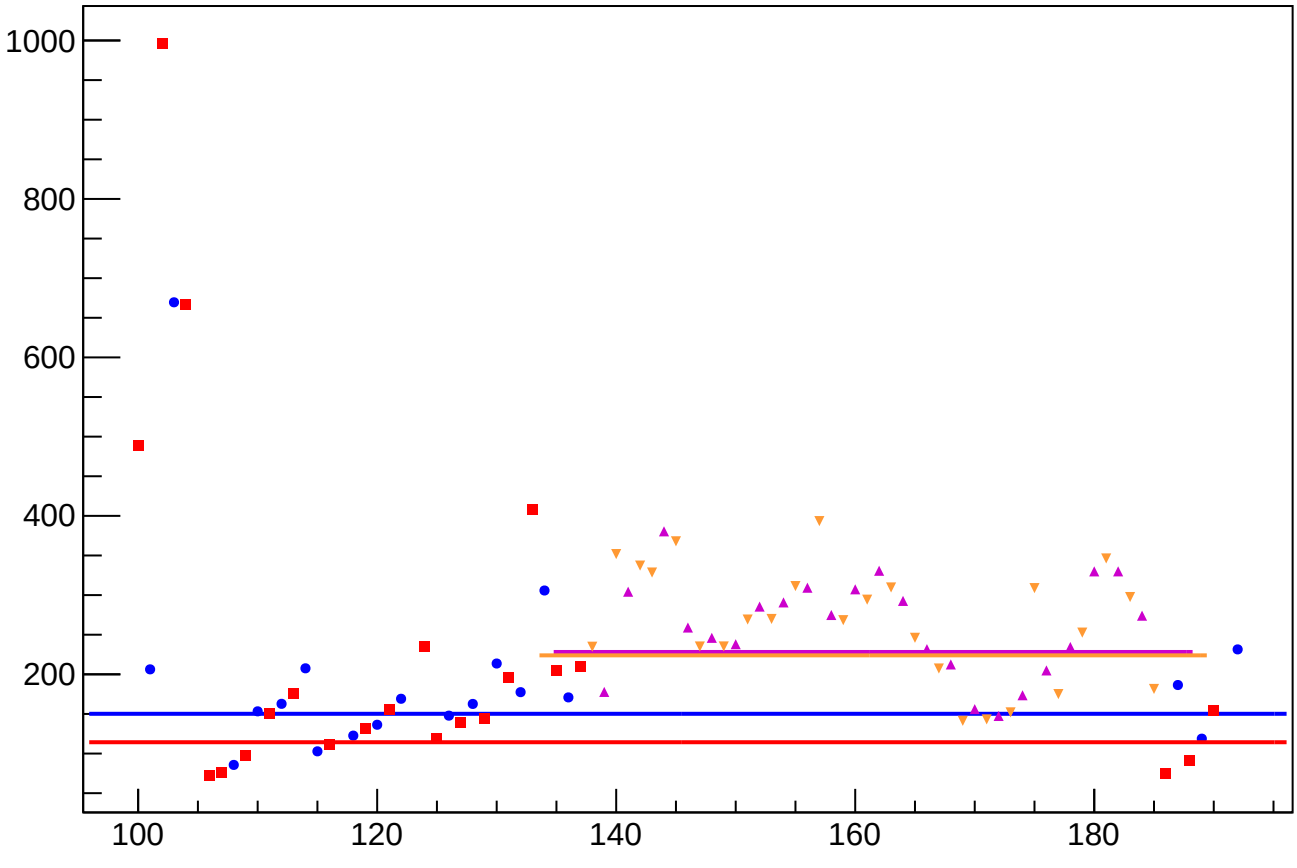
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.003+/-0.034 χ^2/NDF: 40.4/40

In: 0.086+/-0.039 χ^2/NDF:41.7/41

Out: -0.040+/-0.034 χ^2/NDF:49.4/46

All: 0.014+/-0.026 χ^2/NDF: 96.8/88



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: 114.294+/-0.031 χ^2/NDF: 3318582.7/21

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

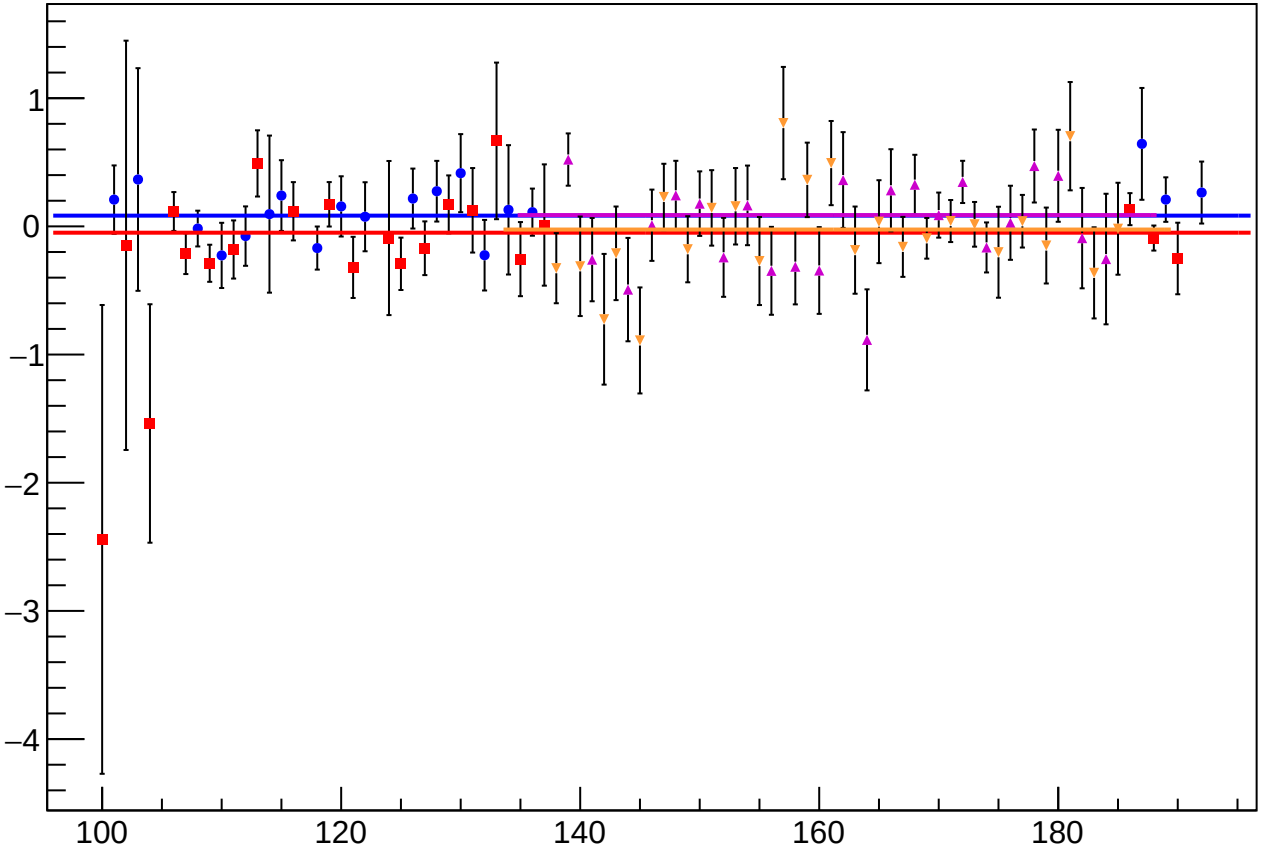
Right: 128.369+/-0.024 χ^2/NDF: 5857614.3/40

In: 187.887+/-0.028 χ^2/NDF:6466035.9/41

Out: 157.485+/-0.024 χ^2/NDF:11646295.4/46

All: 170.583+/-0.018 χ^2/NDF: 18790577.2/88

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.049+/-0.044 χ^2/NDF: 25.2/21

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

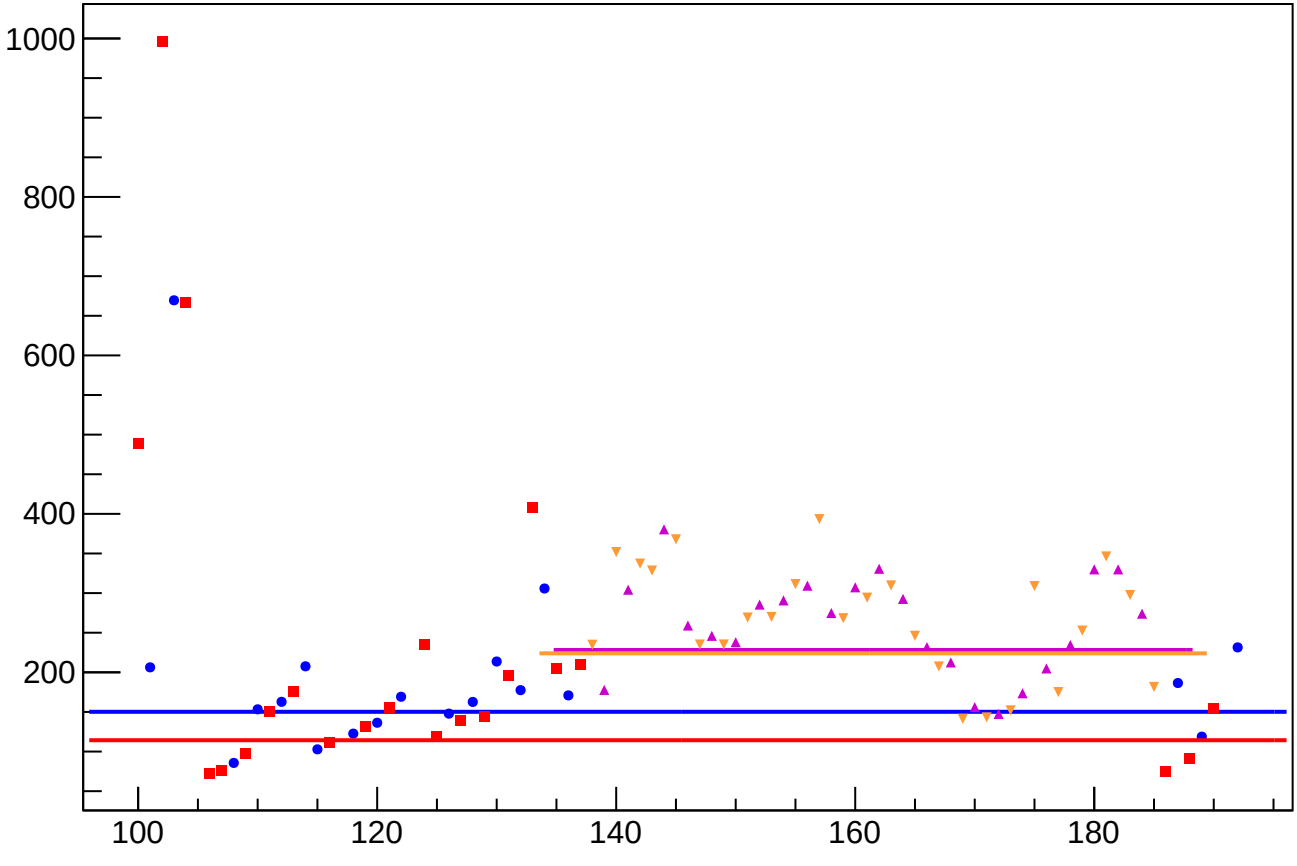
Right: 0.003+/-0.034 χ^2/NDF: 40.4/40

In: 0.086+/-0.039 χ^2/NDF:41.7/41

Out: -0.040+/-0.034 χ^2/NDF:49.4/46

All: 0.014+/-0.026 χ^2/NDF: 96.8/88

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: 114.294+/-0.031 χ^2/NDF: 3318582.7/21

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

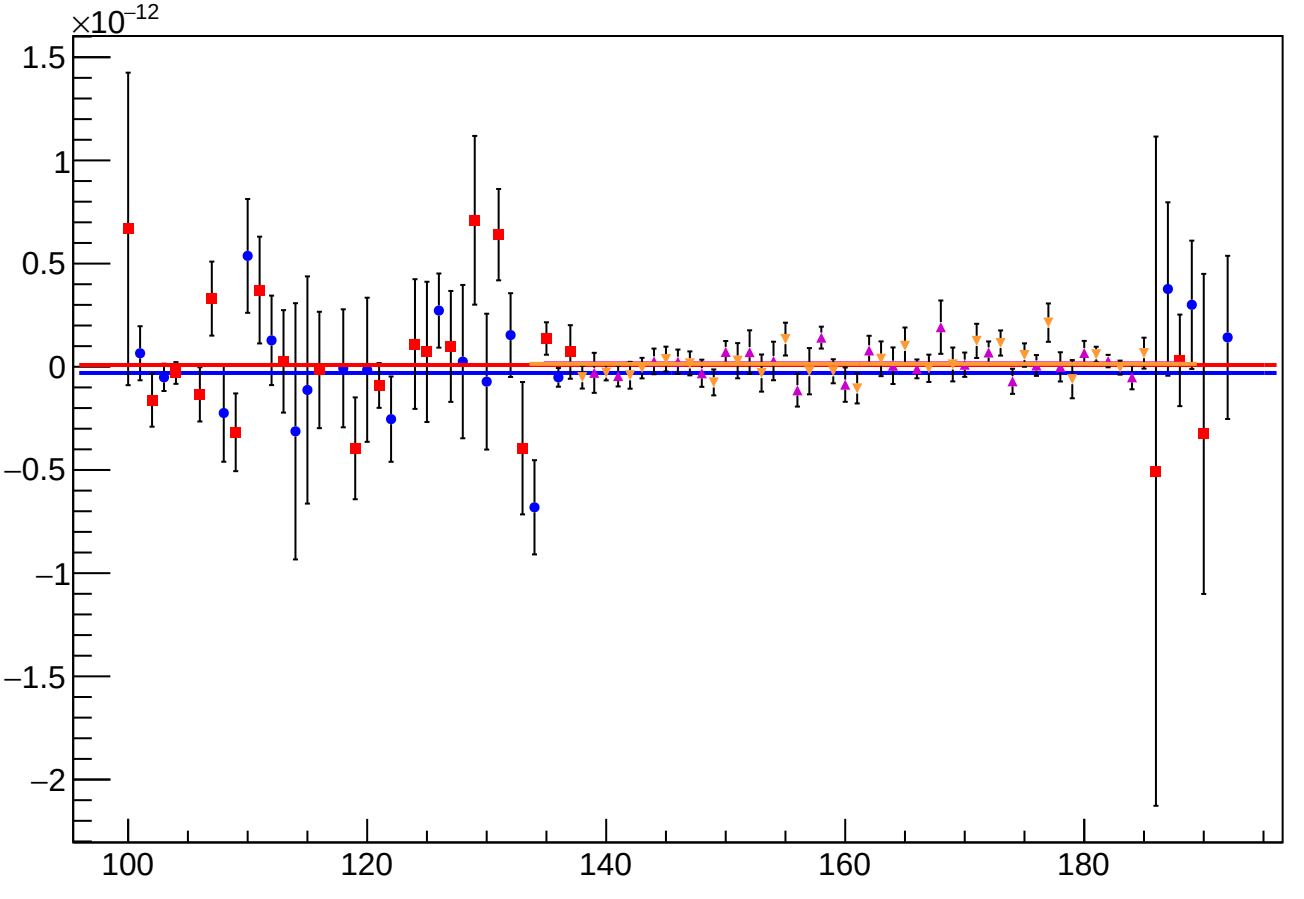
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 128.369+/-0.024 χ^2/NDF: 5857614.3/40

In: 187.887+/-0.028 χ^2/NDF:6466035.9/41

Out: 157.485+/-0.024 χ^2/NDF:11646295.4/46

All: 170.583+/-0.018 χ^2/NDF: 18790577.2/88



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: 32.1/21

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

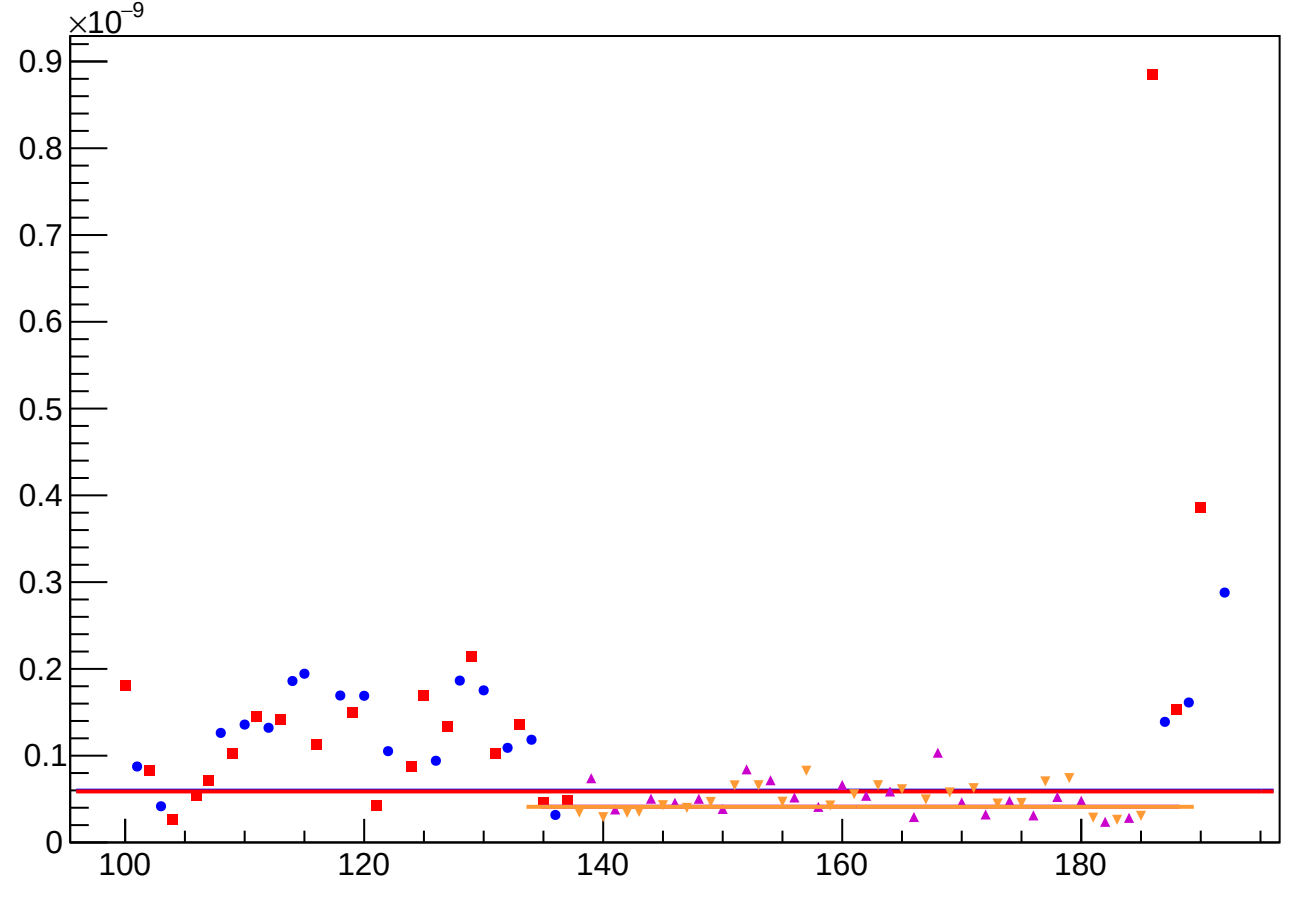
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 54.6/40

In: 0.000+/-0.000 χ^2/NDF:45.4/41

Out: 0.000+/-0.000 χ^2/NDF:57.4/46

All: 0.000+/-0.000 χ^2/NDF: 102.8/88



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: 3990018.7/21

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

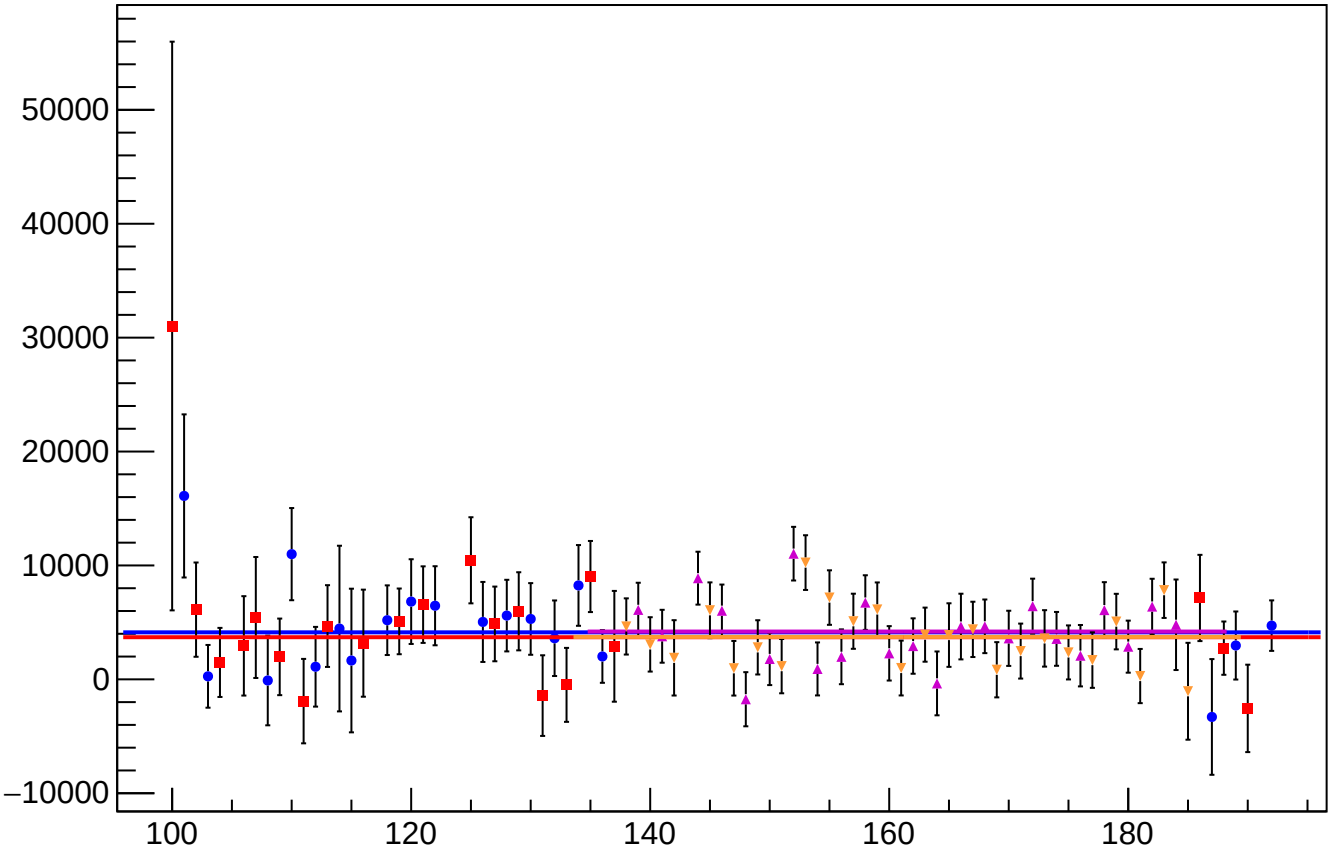
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8073808.1/40

In: 0.000+/-0.000 χ^2/NDF:7523187.0/41

Out: 0.000+/-0.000 χ^2/NDF:7181704.0/46

All: 0.000+/-0.000 χ^2/NDF: 14705768.5/88



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: 3698.807+/-781.440 χ^2/NDF: 19.9/20

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

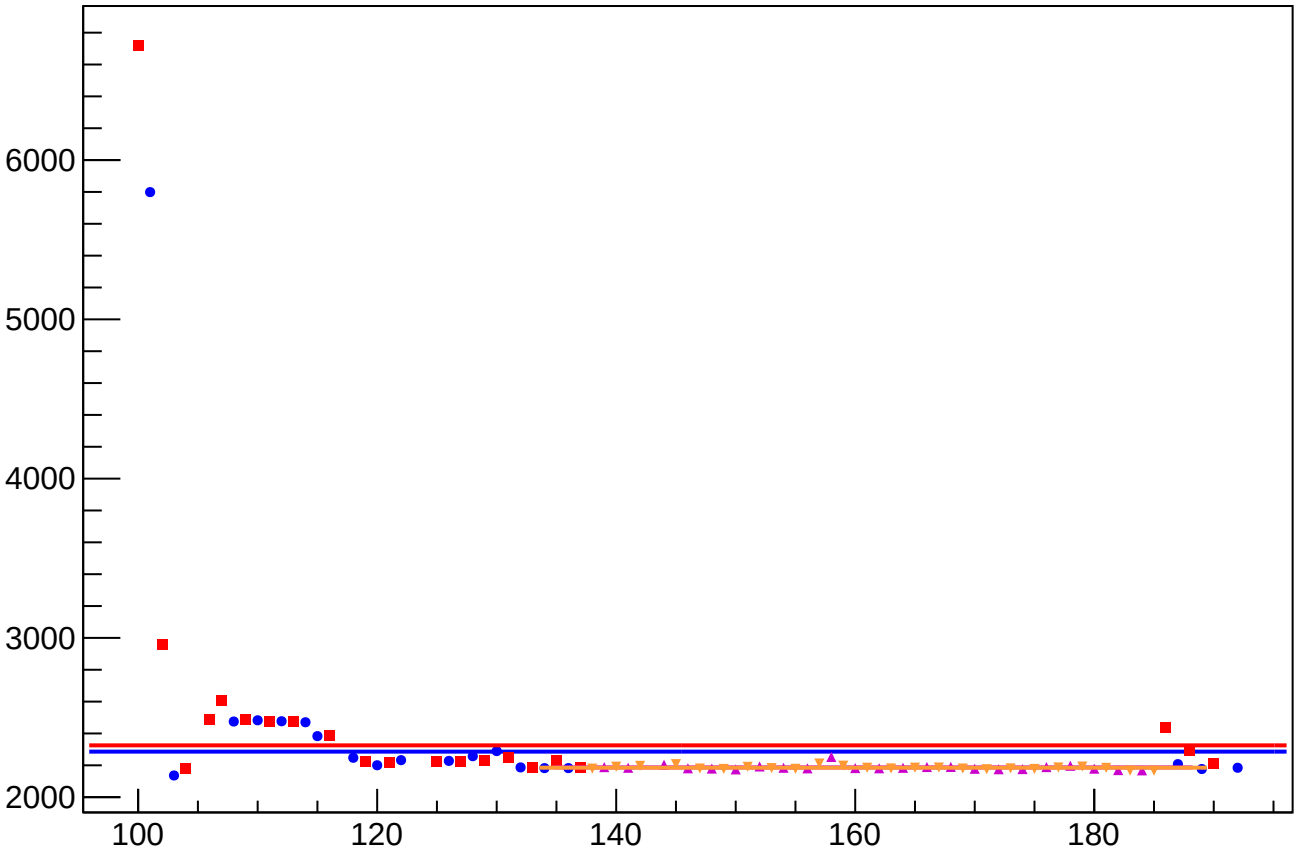
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 3914.100+/-550.687 χ^2/NDF: 35.9/39

In: 4174.967+/-426.560 χ^2/NDF:47.9/41

Out: 3716.172+/-425.415 χ^2/NDF:45.4/44

All: 3944.953+/-301.218 χ^2/NDF: 93.8/86



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: 2325.330+/-0.553 χ^2/NDF: 155224.0/20

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

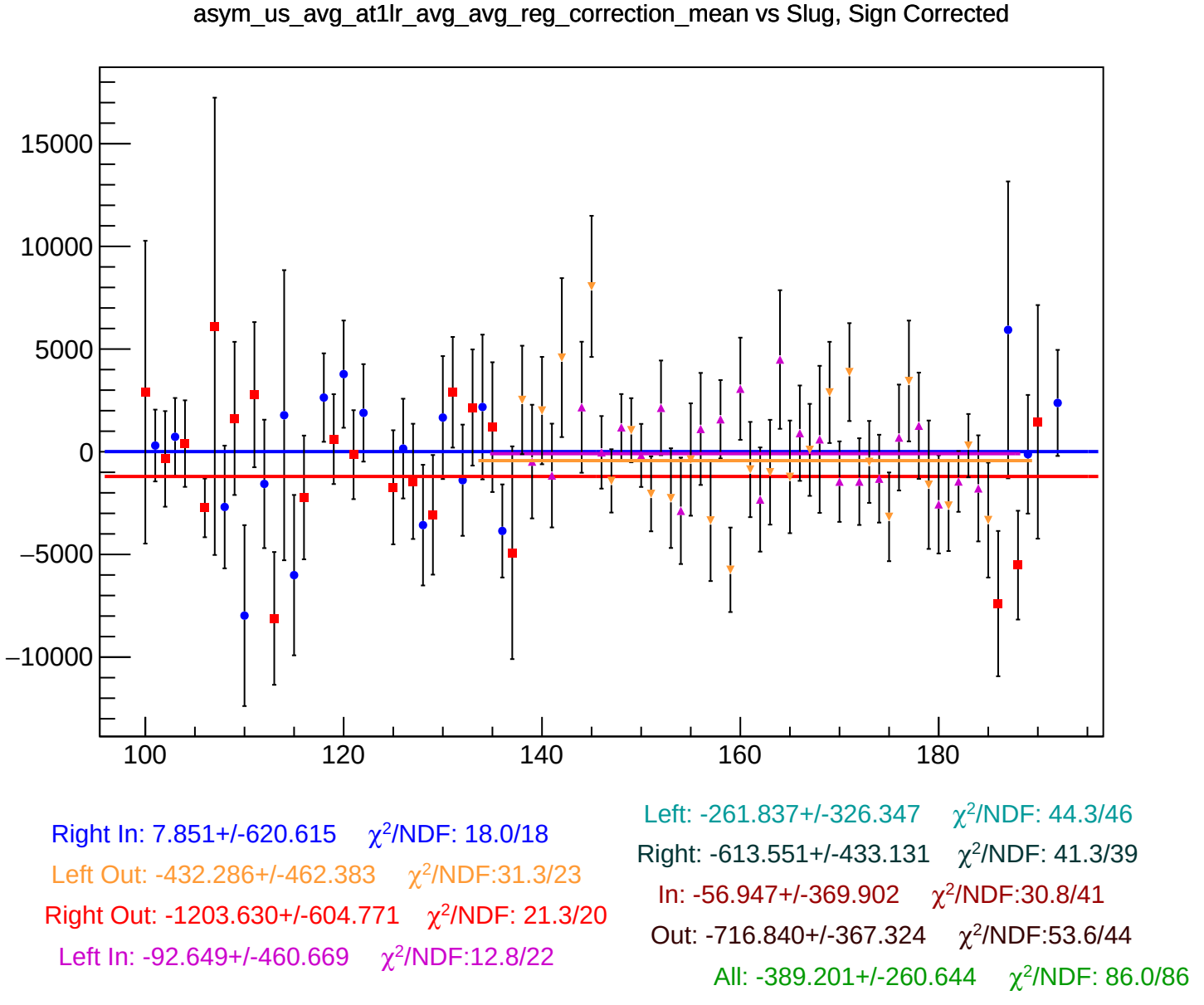
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

Right: 2305.500+/-0.389 χ^2/NDF: 679444.9/39

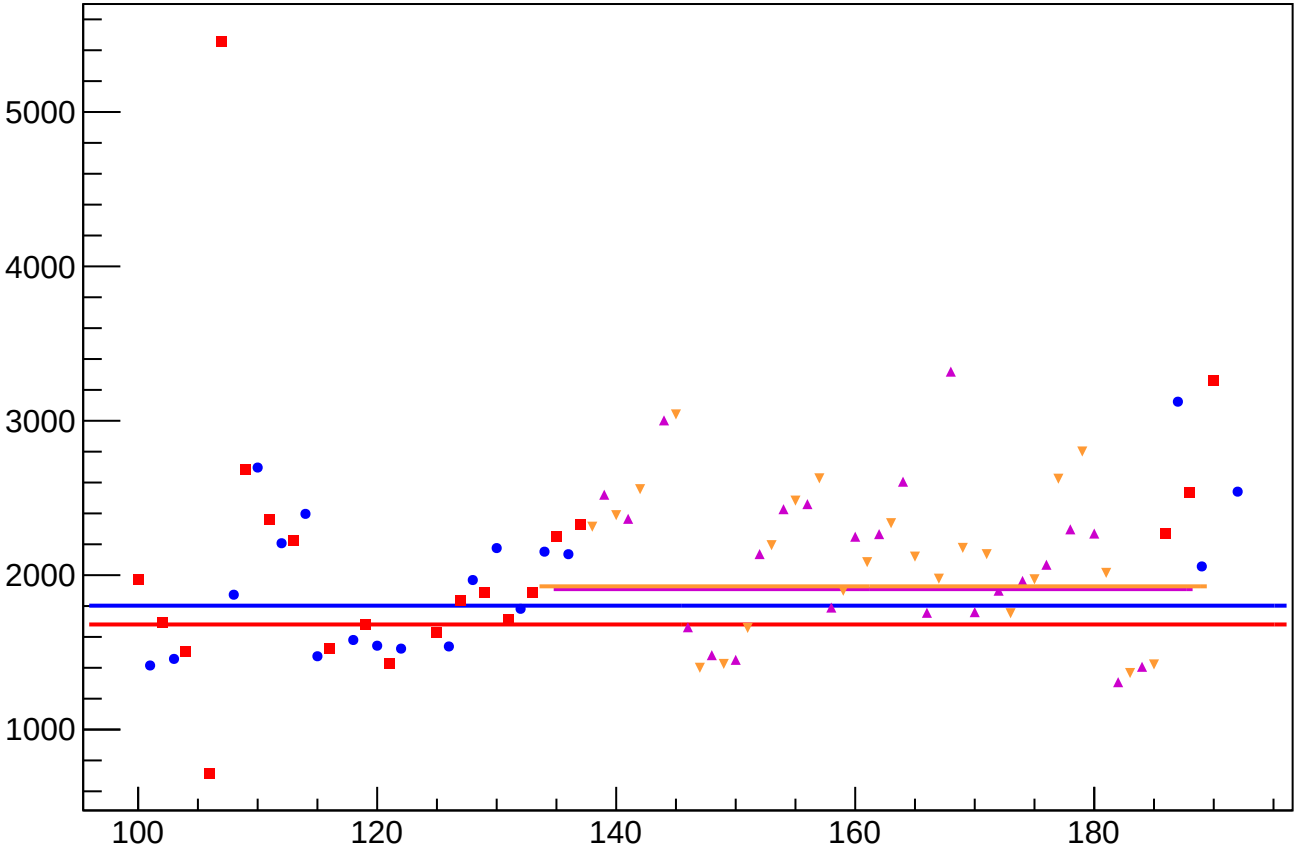
In: 2216.704+/-0.302 χ^2/NDF:546525.0/41

Out: 2226.683+/-0.301 χ^2/NDF:201335.4/44

All: 2221.707+/-0.213 χ^2/NDF: 748409.1/86


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: 7.851+/-620.615 χ²/NDF: 18.0/18
Left Out: -432.286+/-462.383 χ²/NDF:31.3/23
Right Out: -1203.630+/-604.771 χ²/NDF: 21.3/20
Left In: -92.649+/-460.669 χ²/NDF:12.8/22
Left: -261.837+/-326.347 χ²/NDF: 44.3/46
Right: -613.551+/-433.131 χ²/NDF: 41.3/39
In: -56.947+/-369.902 χ²/NDF:30.8/41
Out: -716.840+/-367.324 χ²/NDF:53.6/44
All: -389.201+/-260.644 χ²/NDF: 86.0/86

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: 1680.661+/-0.428 χ^2/NDF: 2012905.0/20

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

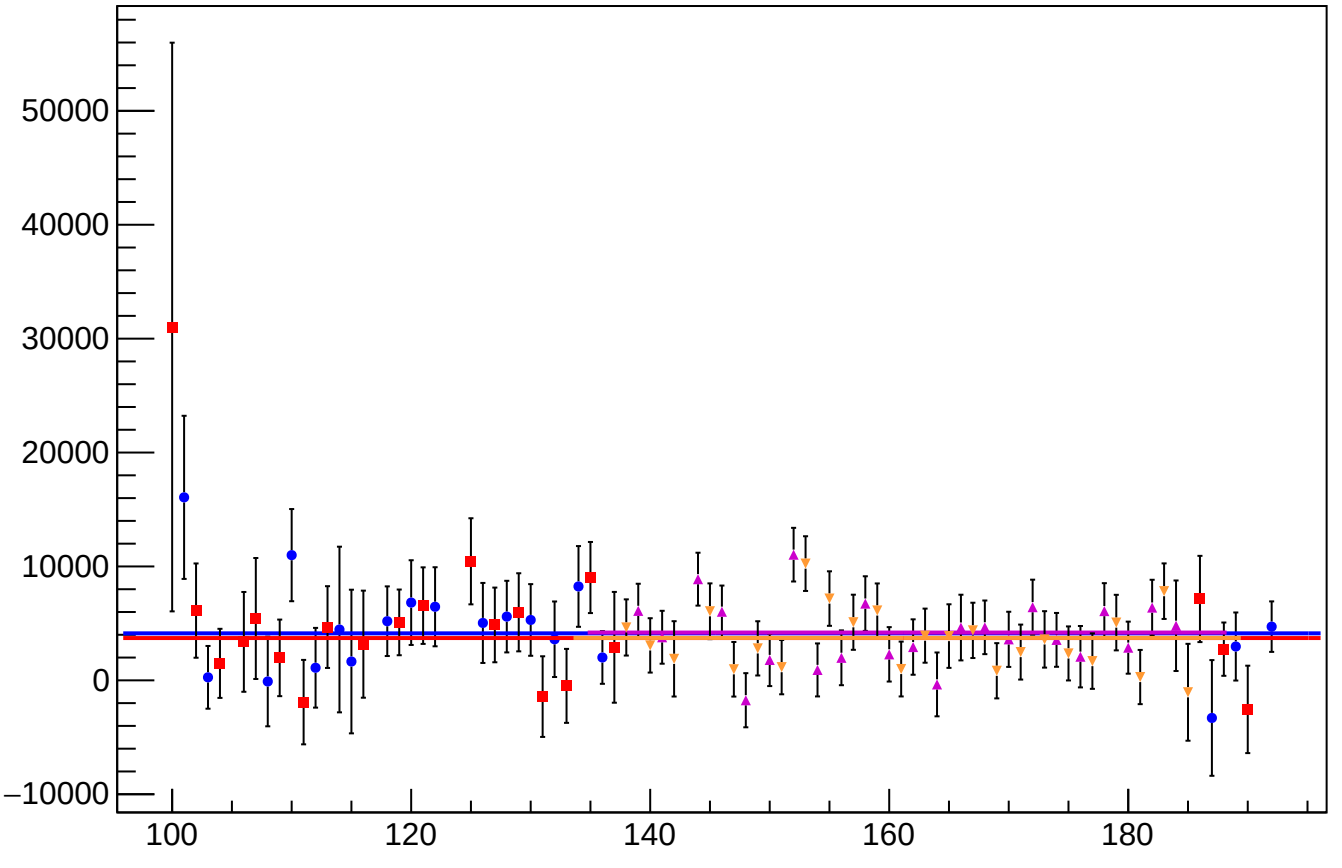
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1739.987+/-0.306 χ^2/NDF: 2801311.2/39

In: 1871.547+/-0.262 χ^2/NDF:2729597.6/41

Out: 1836.541+/-0.260 χ^2/NDF:4021827.4/44

All: 1853.922+/-0.184 χ^2/NDF: 6760444.0/86



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: 3713.331+/-781.549 χ^2/NDF: 19.9/20

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

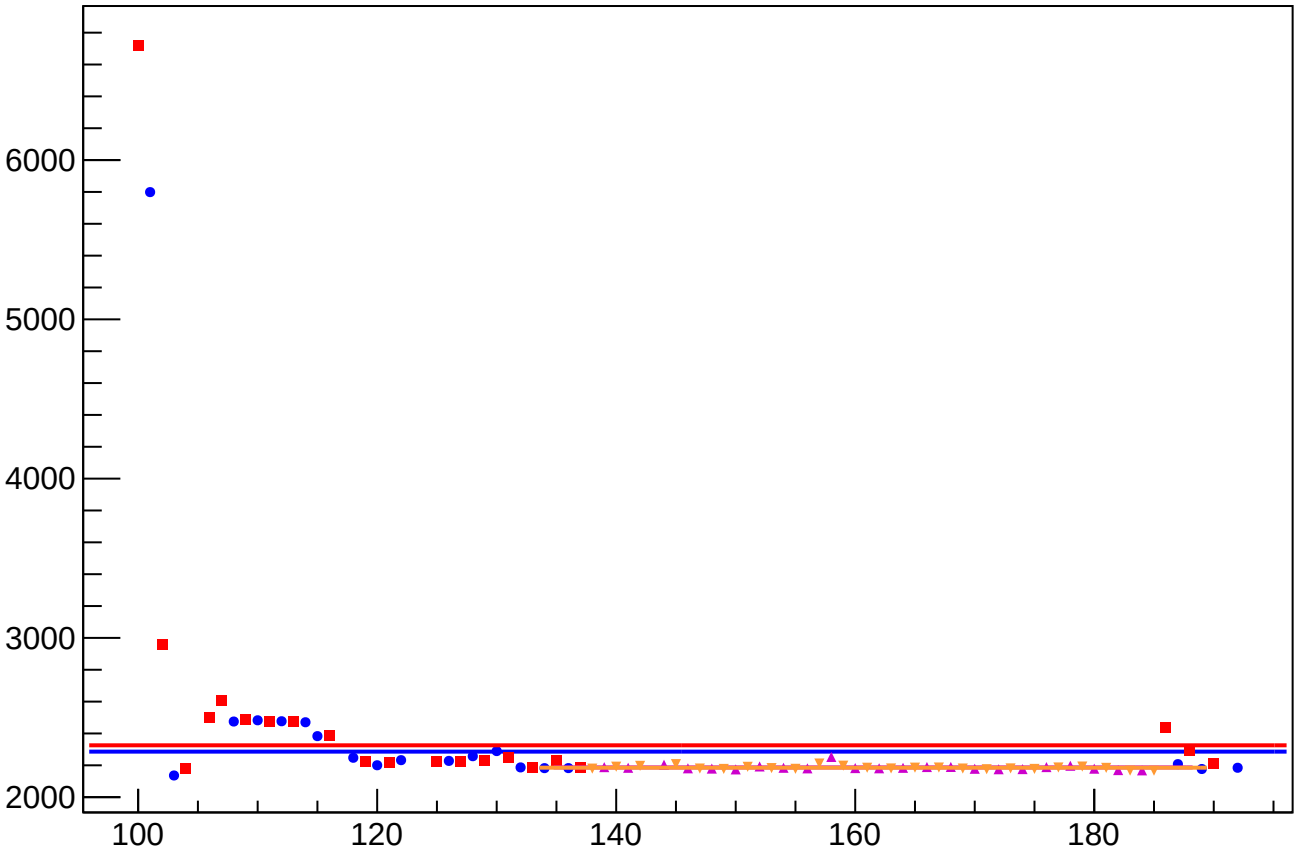
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 3921.088+/-550.725 χ^2/NDF: 35.8/39

In: 4174.897+/-426.560 χ^2/NDF:47.9/41

Out: 3720.440+/-425.433 χ^2/NDF:45.3/44

All: 3947.067+/-301.224 χ^2/NDF: 93.8/86



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: 2325.626+/-0.553 χ^2/NDF: 155579.6/20

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

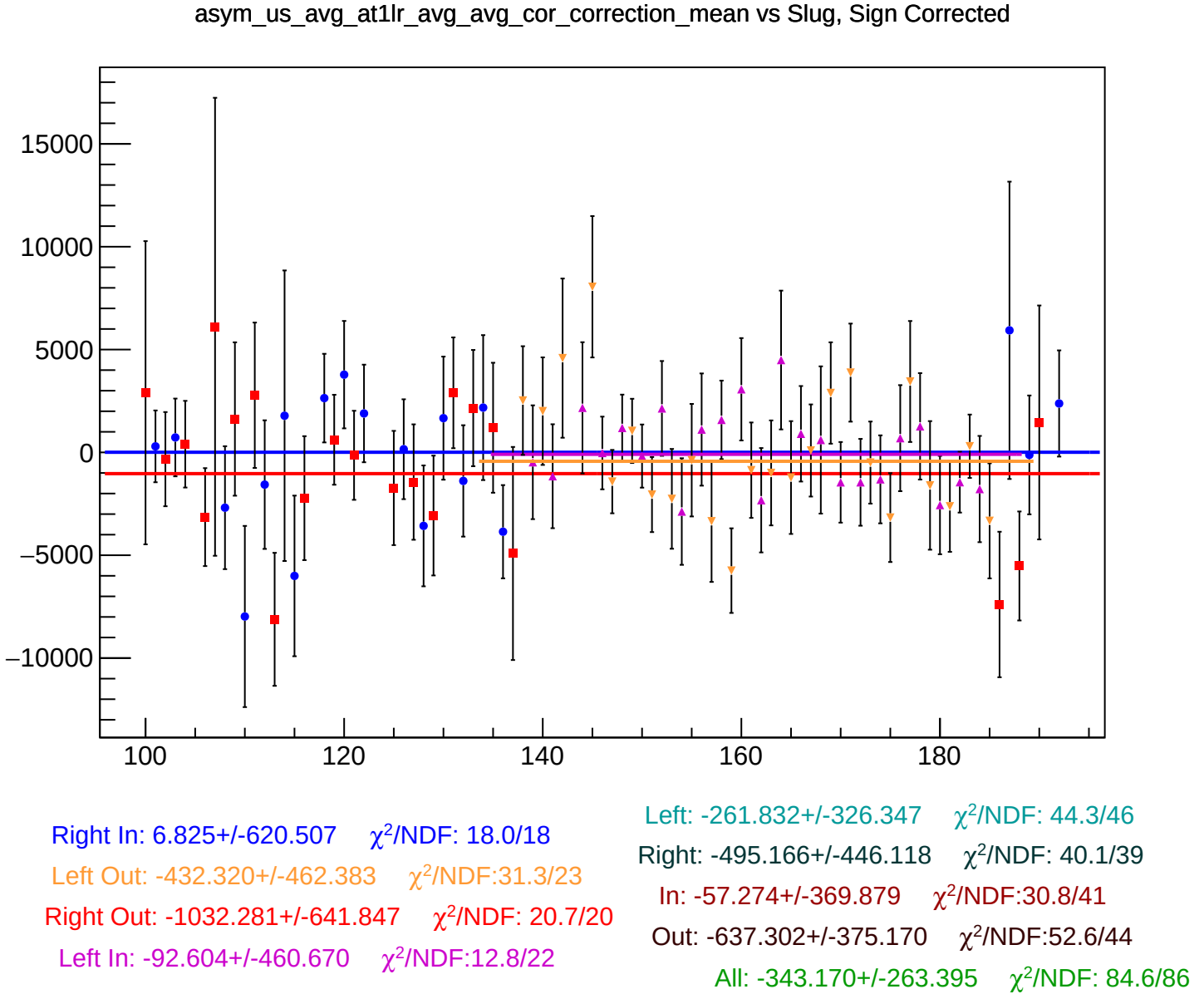
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

Right: 2305.644+/-0.389 χ^2/NDF: 679839.1/39

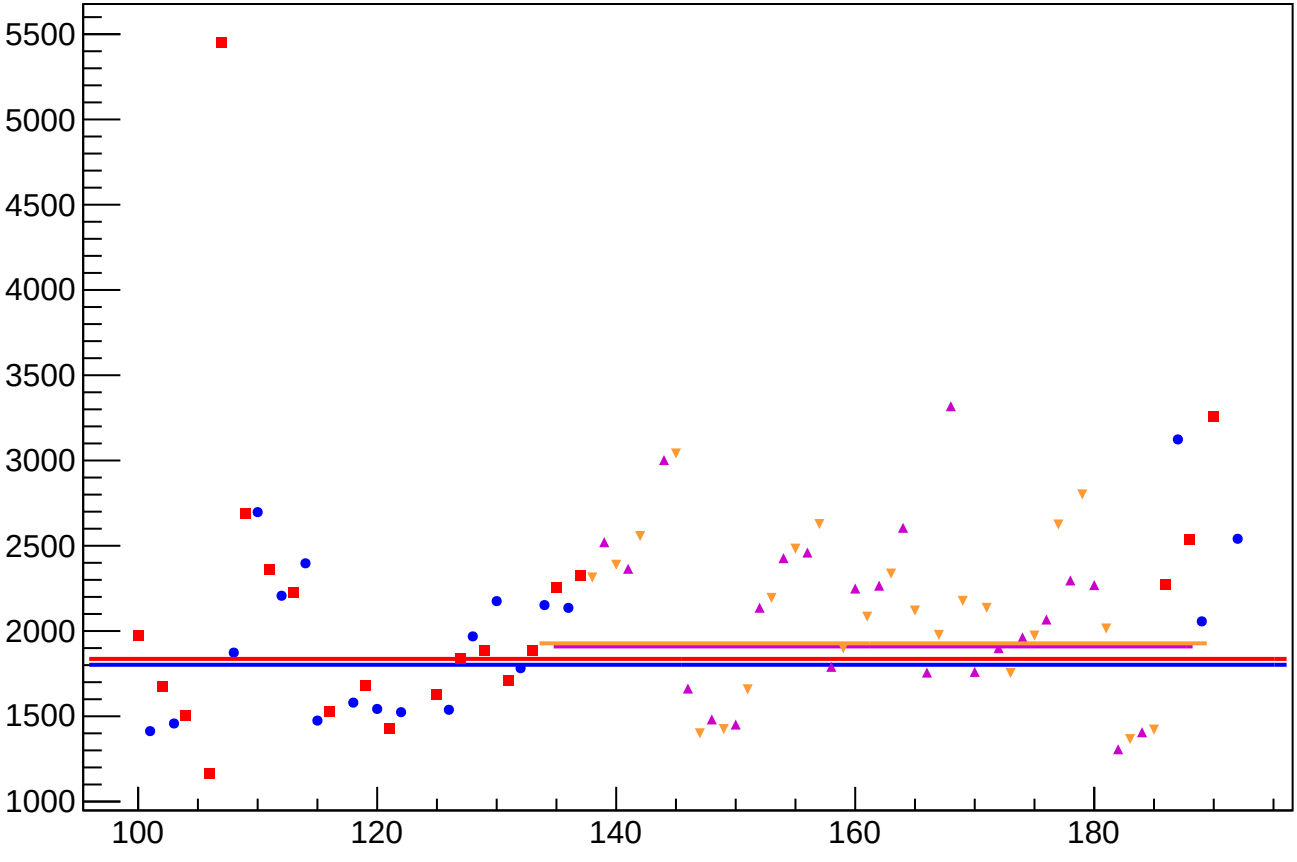
In: 2216.704+/-0.302 χ^2/NDF:546525.4/41

Out: 2226.763+/-0.301 χ^2/NDF:201873.4/44

All: 2221.747+/-0.213 χ^2/NDF: 748956.3/86


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: 6.825+/-620.507 χ²/NDF: 18.0/18
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: -1032.281+/-641.847 χ²/NDF: 20.7/20
Left In: -92.604+/-460.670 χ²/NDF:12.8/22
Left: -261.832+/-326.347 χ²/NDF: 44.3/46
Right: -495.166+/-446.118 χ²/NDF: 40.1/39
In: -57.274+/-369.879 χ²/NDF:30.8/41
Out: -637.302+/-375.170 χ²/NDF:52.6/44
All: -343.170+/-263.395 χ²/NDF: 84.6/86

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: 1836.587+/-0.454 χ^2/NDF: 1075120.7/20

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

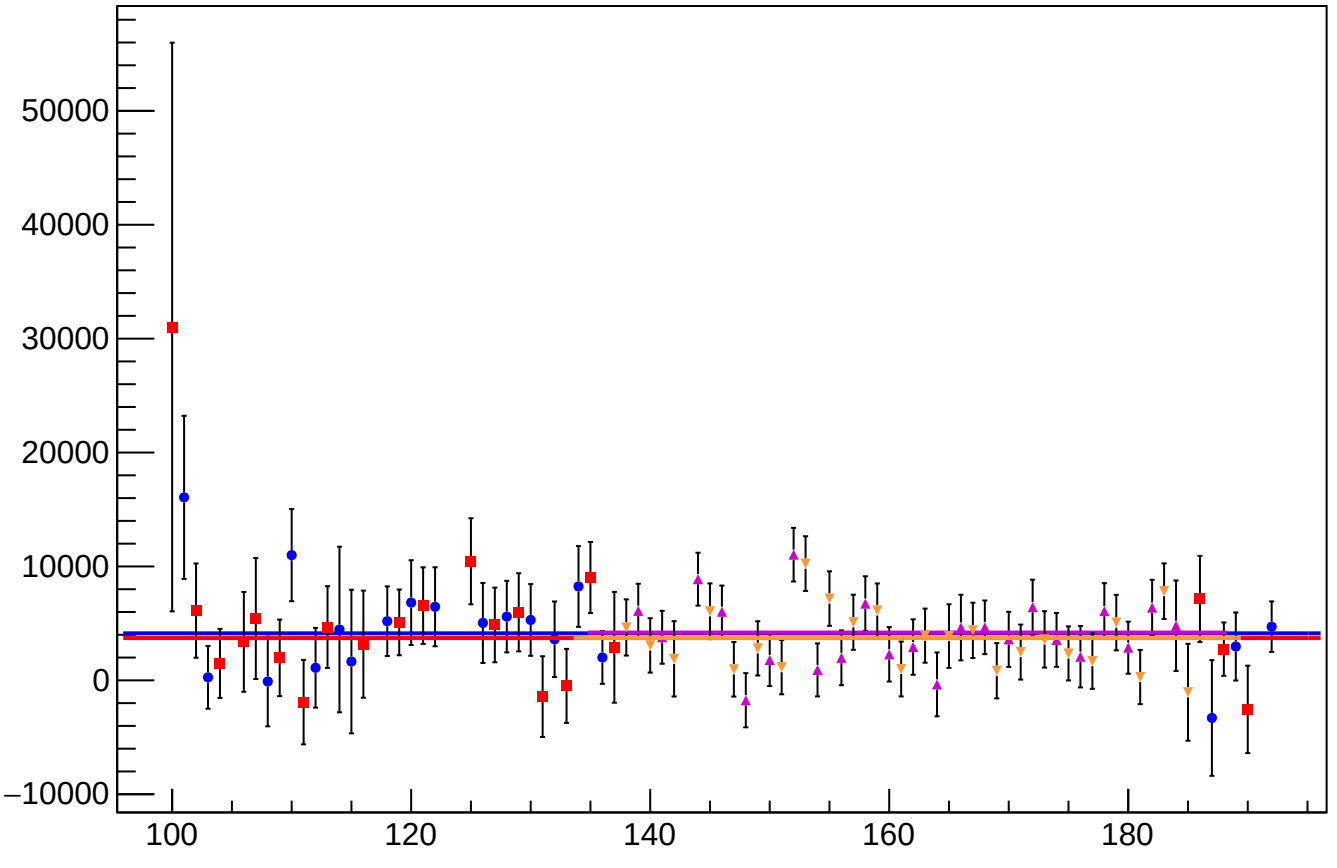
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1818.755+/-0.315 χ^2/NDF: 1828236.3/39

In: 1871.410+/-0.262 χ^2/NDF:2731134.8/41

Out: 1896.544+/-0.265 χ^2/NDF:2900036.3/44

All: 1883.798+/-0.186 χ^2/NDF: 5635722.8/86



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: 3713.331+/-781.549 χ^2/NDF: 19.9/20

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

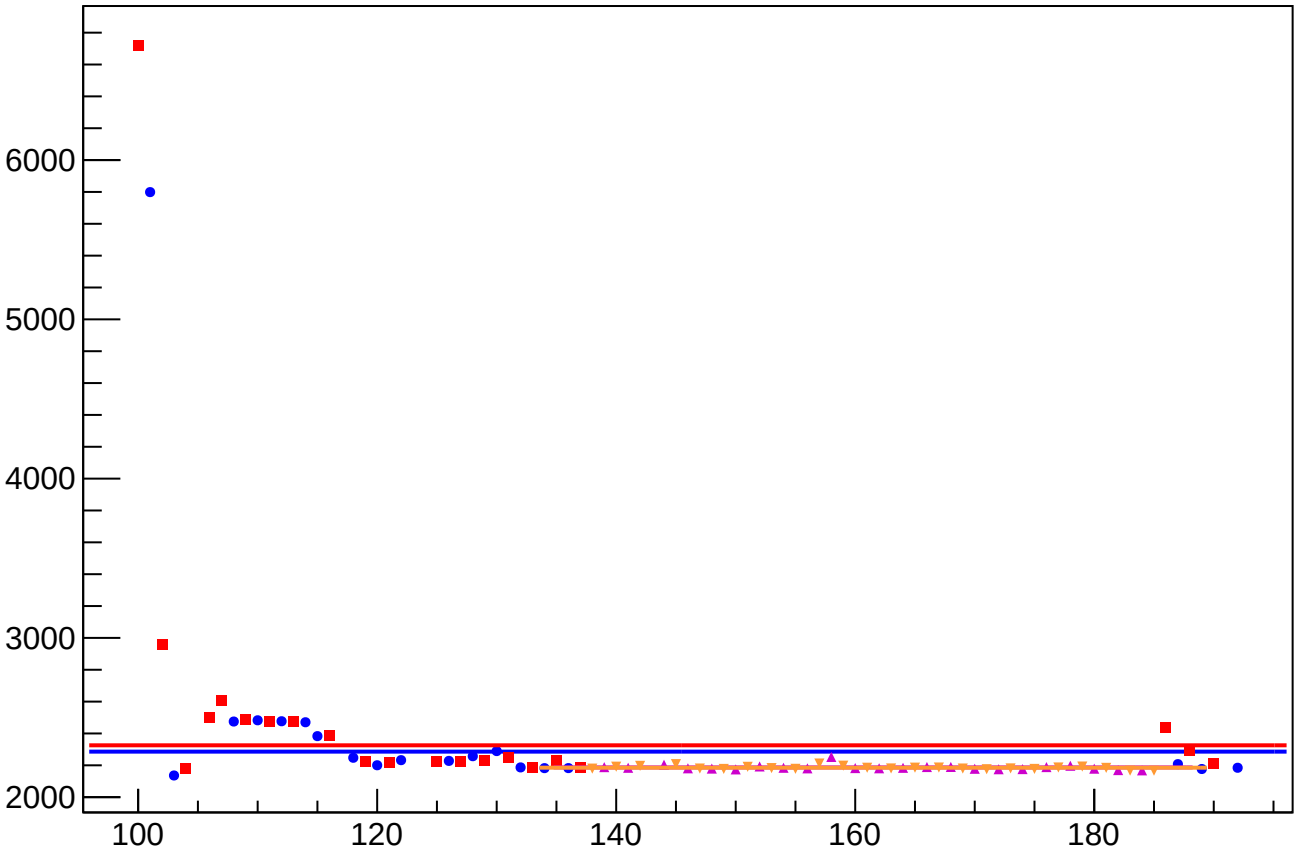
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 3921.088+/-550.725 χ^2/NDF: 35.8/39

In: 4174.897+/-426.560 χ^2/NDF:47.9/41

Out: 3720.440+/-425.433 χ^2/NDF:45.3/44

All: 3947.067+/-301.224 χ^2/NDF: 93.8/86



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: 2325.626+/-0.553 χ^2/NDF: 155579.6/20

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

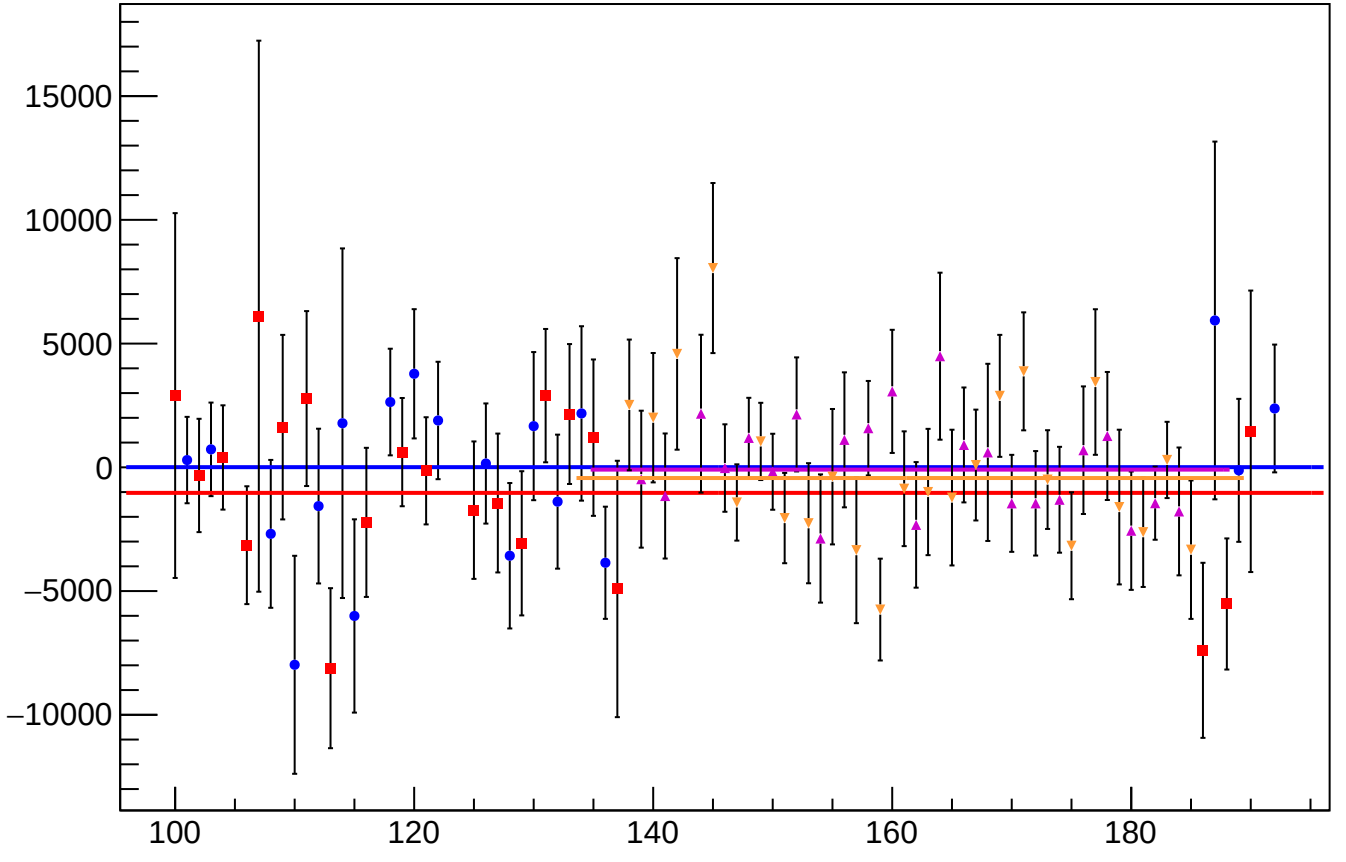
Right: 2305.644+/-0.389 χ^2/NDF: 679839.1/39

In: 2216.704+/-0.302 χ^2/NDF:546525.4/41

Out: 2226.763+/-0.301 χ^2/NDF:201873.4/44

All: 2221.747+/-0.213 χ^2/NDF: 748956.3/86

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: -1032.281+/-641.847 χ^2/NDF: 20.7/20

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

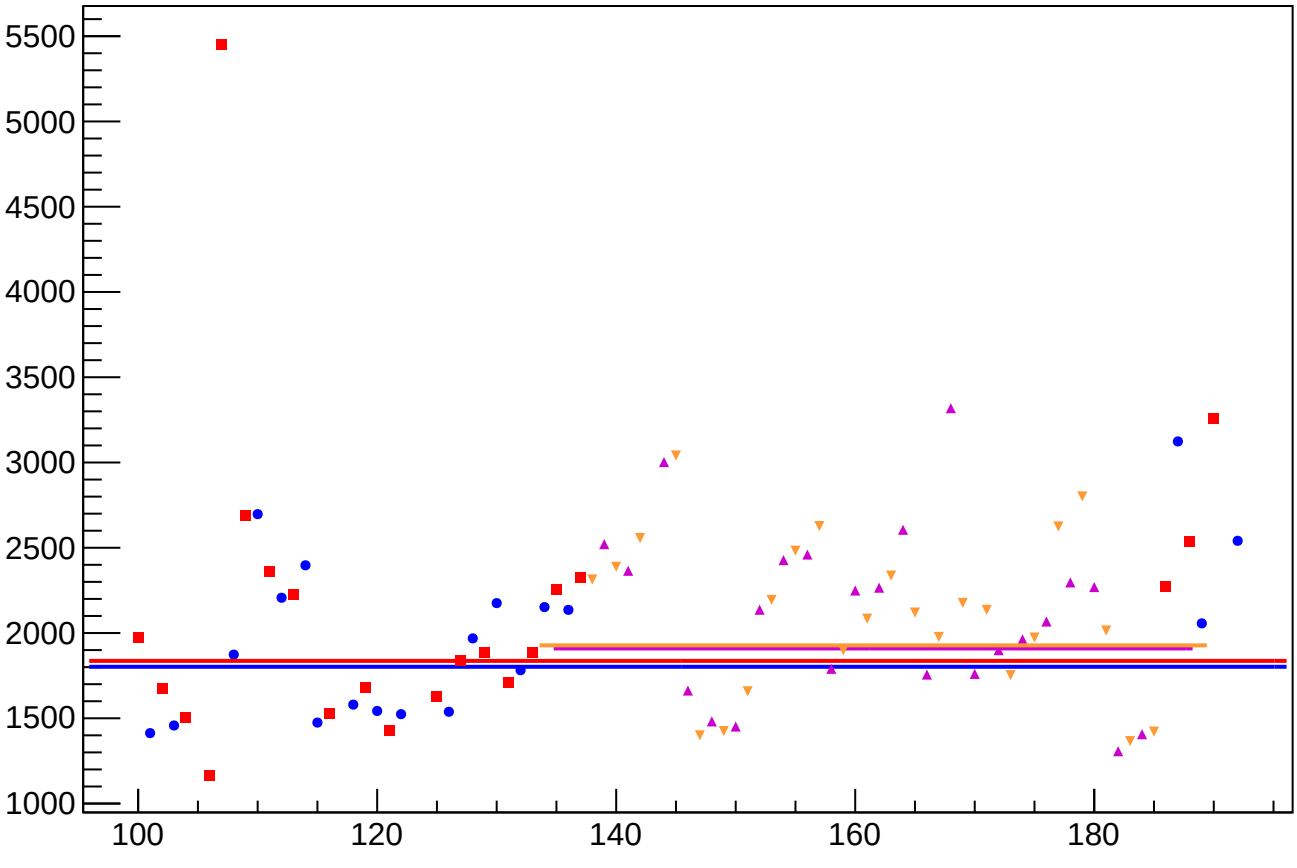
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -495.166+/-446.118 χ^2/NDF: 40.1/39

In: -57.274+/-369.879 χ^2/NDF:30.8/41

Out: -637.302+/-375.170 χ^2/NDF:52.6/44

All: -343.170+/-263.395 χ^2/NDF: 84.6/86



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: 1836.587+/-0.454 χ^2/NDF: 1075120.7/20

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

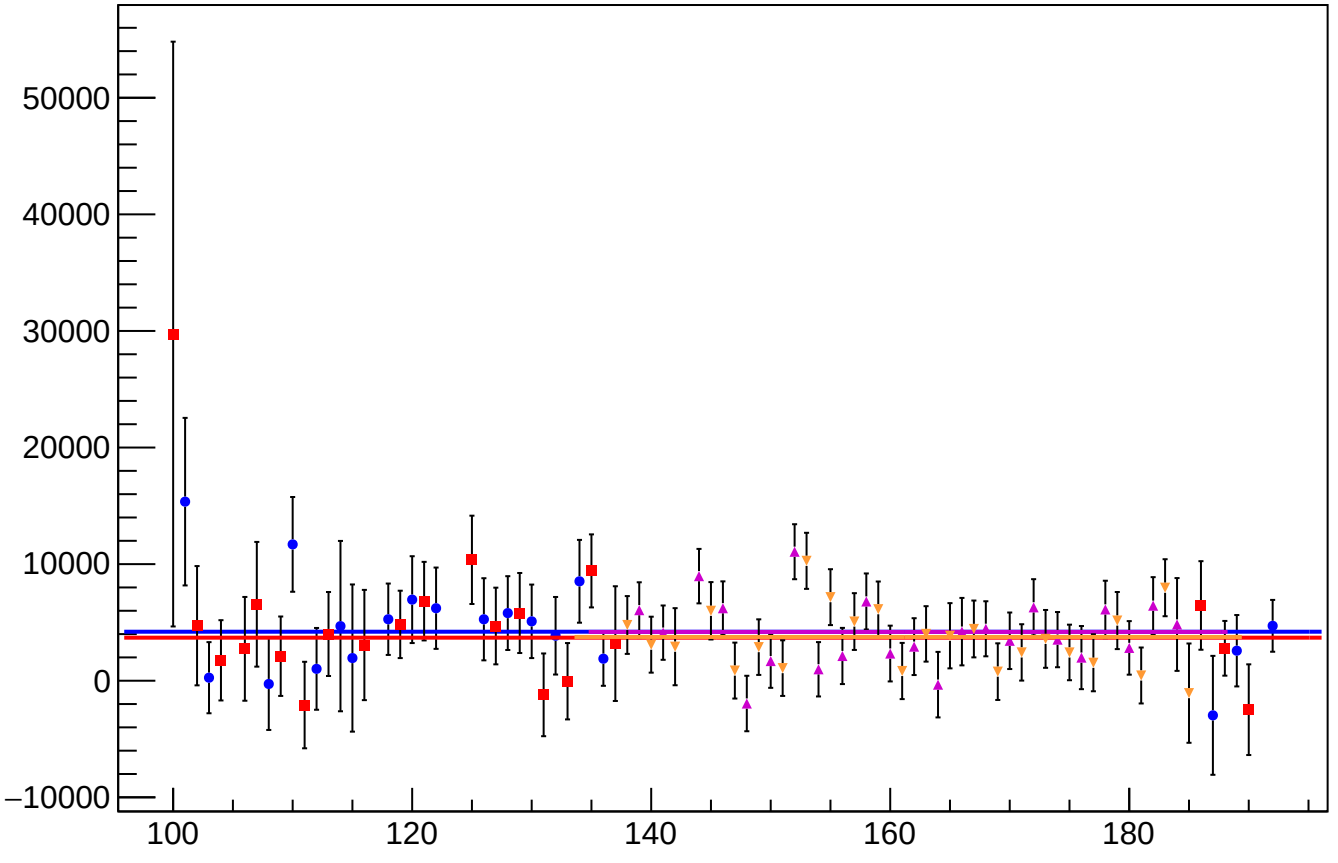
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1818.755+/-0.315 χ^2/NDF: 1828236.3/39

In: 1871.410+/-0.262 χ^2/NDF:2731134.8/41

Out: 1896.544+/-0.265 χ^2/NDF:2900036.3/44

All: 1883.798+/-0.186 χ^2/NDF: 5635722.8/86



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: 3692.812+/-796.008 χ^2/NDF: 18.8/20

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

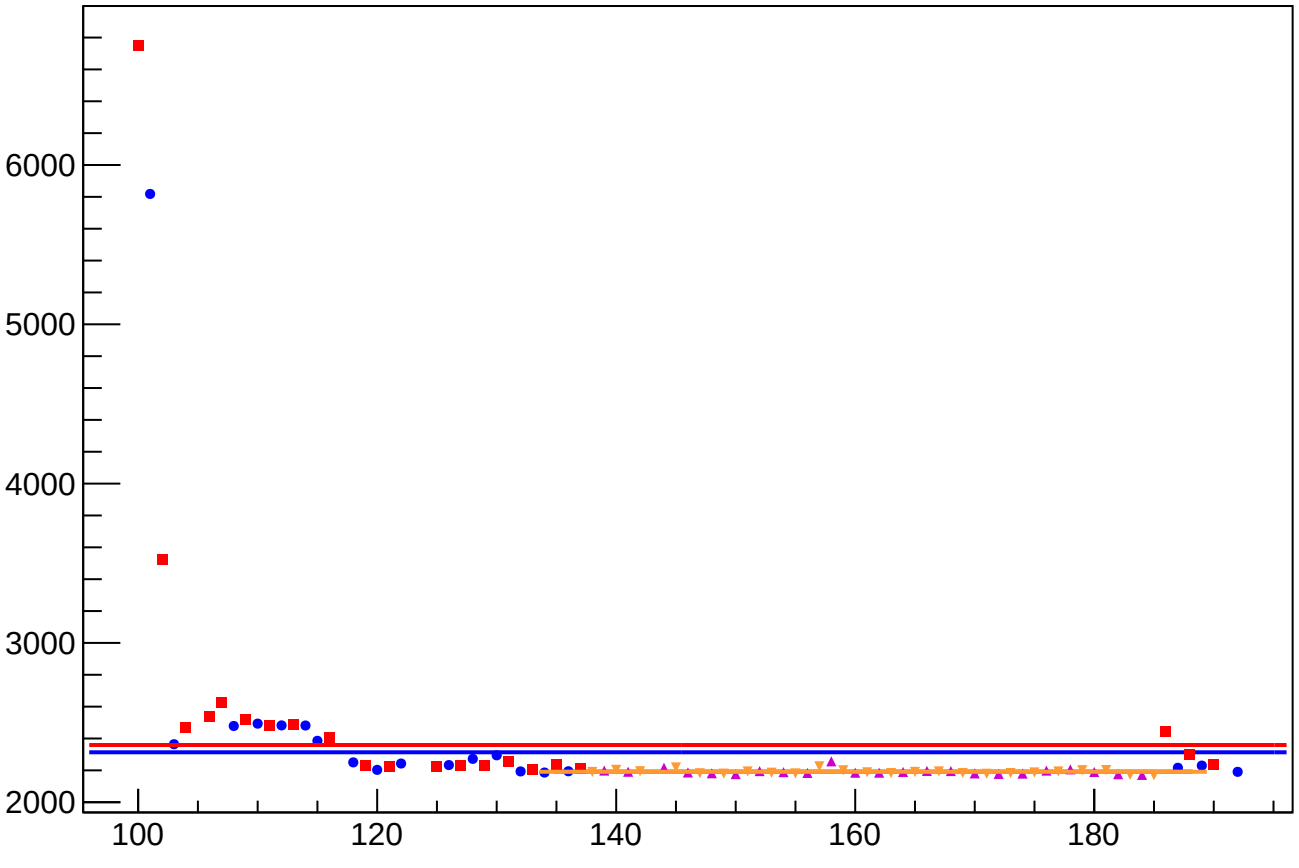
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 3951.645+/-559.072 χ^2/NDF: 35.0/39

In: 4190.000+/-428.830 χ^2/NDF:48.6/41

Out: 3736.310+/-428.567 χ^2/NDF:44.5/44

All: 3963.016+/-303.135 χ^2/NDF: 93.7/86



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: 2359.150+/-0.563 χ^2/NDF: 214656.7/20

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

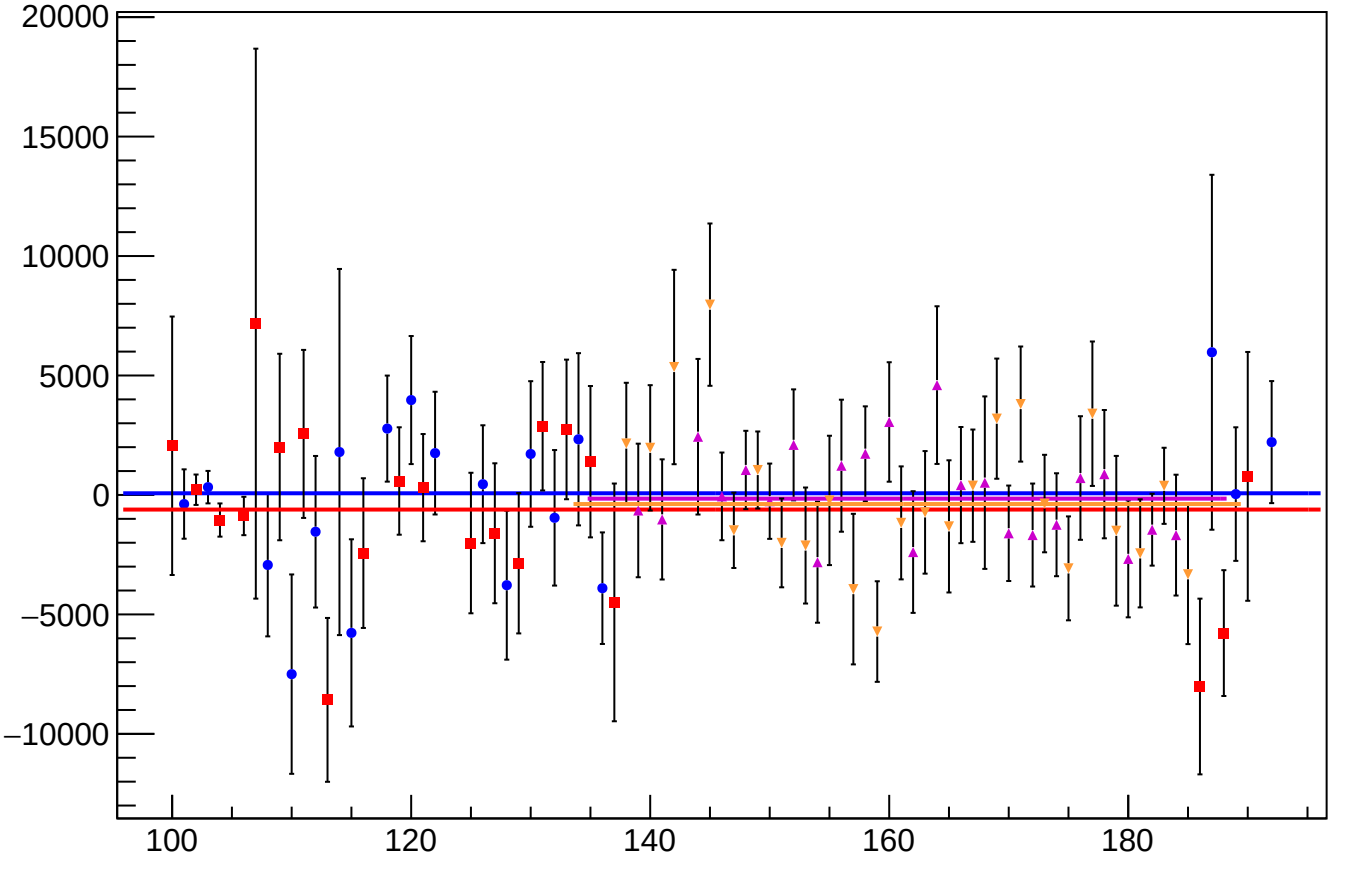
Right: 2336.002+/-0.395 χ^2/NDF: 731389.6/39

In: 2228.353+/-0.303 χ^2/NDF:549142.3/41

Out: 2239.846+/-0.303 χ^2/NDF:279151.7/44

All: 2234.103+/-0.214 χ^2/NDF: 829012.7/86

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: -611.535+/-356.641 χ^2/NDF: 23.3/20

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

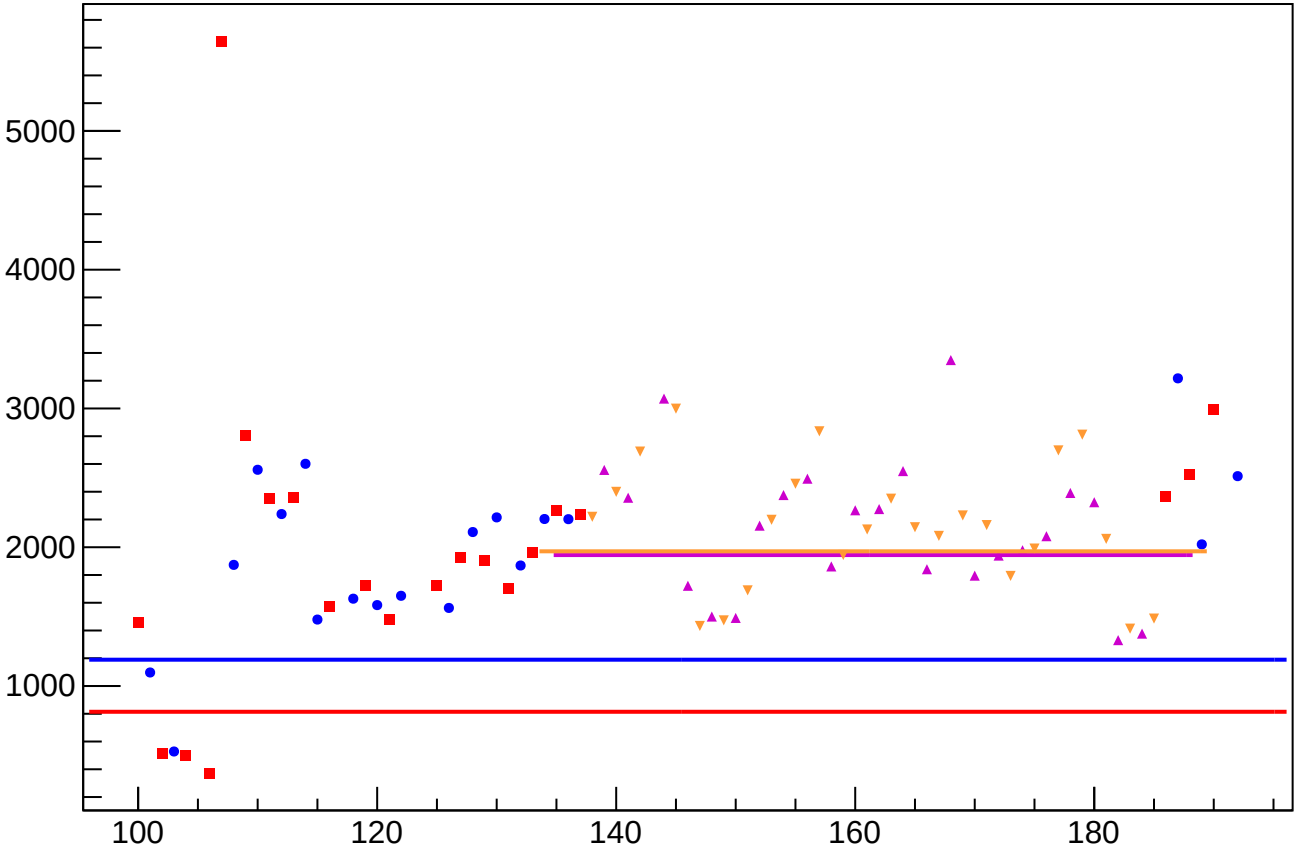
Right: -361.825+/-283.901 χ^2/NDF: 42.3/39

In: -42.443+/-331.303 χ^2/NDF:30.6/41

Out: -527.447+/-284.433 χ^2/NDF:54.2/44

All: -321.652+/-215.810 χ^2/NDF: 86.0/86

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: 814.363+/-0.252 χ^2/NDF: 7197576.0/20

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

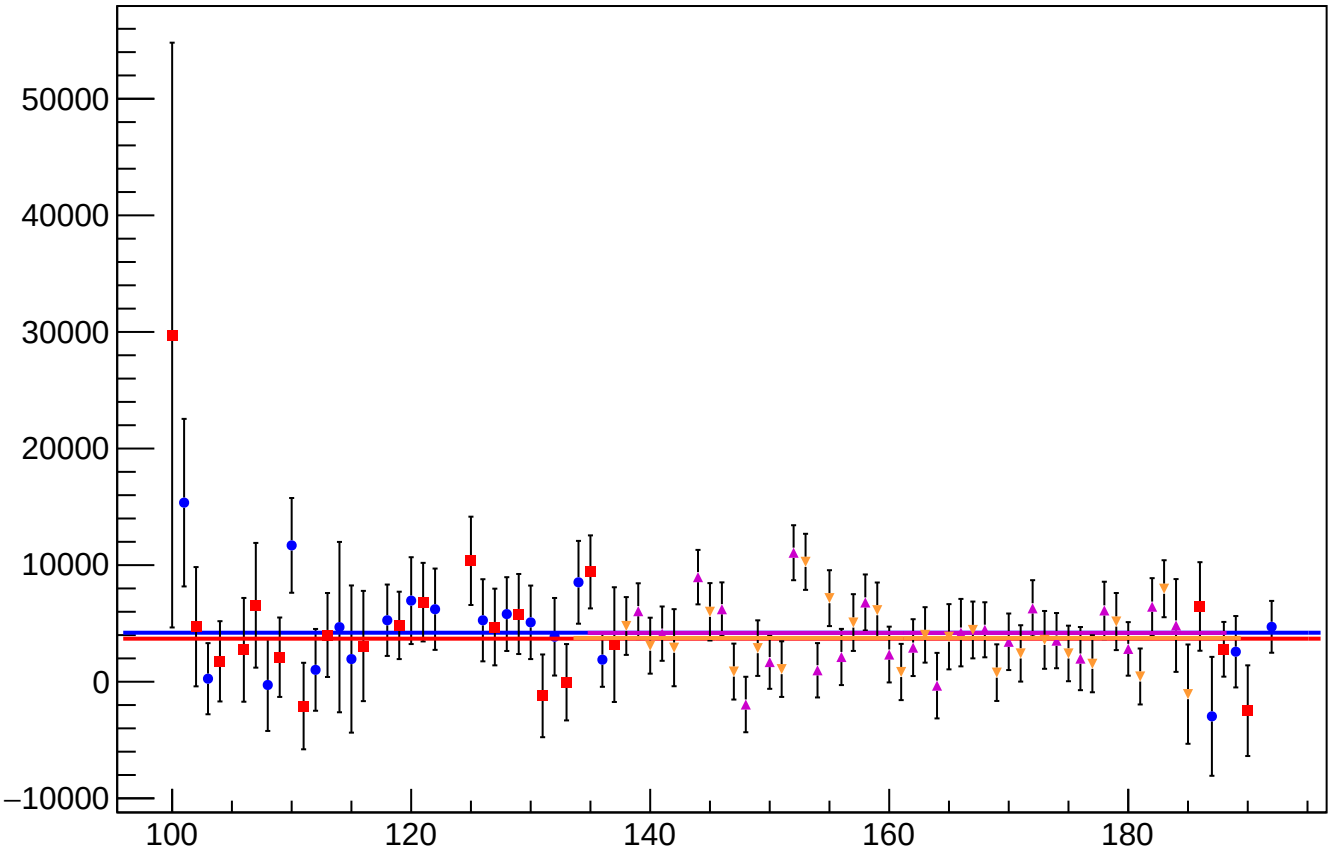
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 951.823+/-0.201 χ^2/NDF: 12673680.9/39

In: 1567.480+/-0.234 χ^2/NDF:9137844.3/41

Out: 1235.186+/-0.201 χ^2/NDF:16545522.6/44

All: 1376.184+/-0.153 χ^2/NDF: 26841629.8/8



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: 3692.807+/-796.008 χ^2/NDF: 18.8/20

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

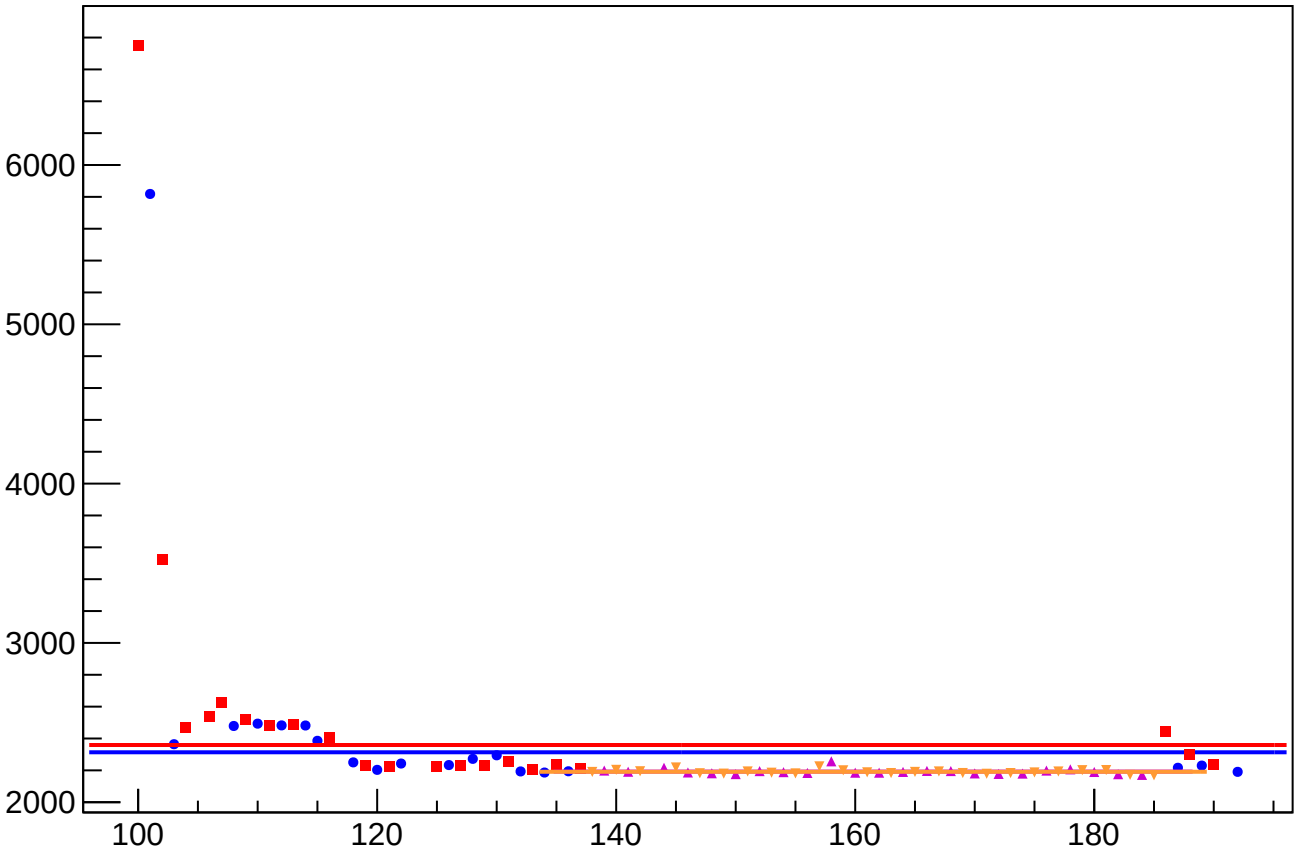
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 3951.641+/-559.072 χ^2/NDF: 35.0/39

In: 4189.999+/-428.830 χ^2/NDF:48.6/41

Out: 3736.307+/-428.567 χ^2/NDF:44.5/44

All: 3963.014+/-303.135 χ^2/NDF: 93.7/86



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: 2359.149+/-0.563 χ^2/NDF: 214655.7/20

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

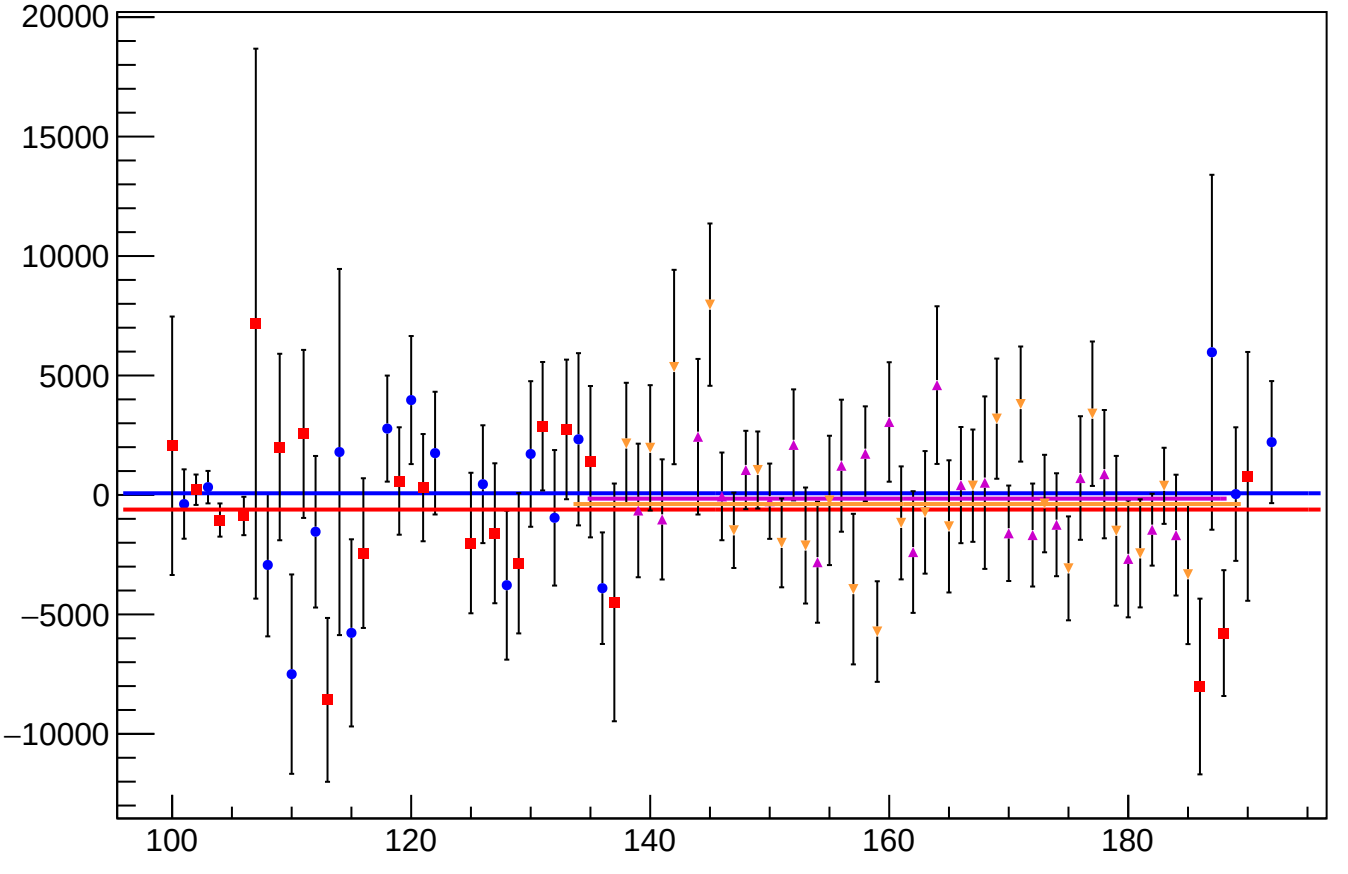
Right: 2336.002+/-0.395 χ^2/NDF: 731388.5/39

In: 2228.353+/-0.303 χ^2/NDF:549142.1/41

Out: 2239.846+/-0.303 χ^2/NDF:279150.2/44

All: 2234.103+/-0.214 χ^2/NDF: 829011.0/86

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: -611.542+/-356.646 χ^2/NDF: 23.3/20

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

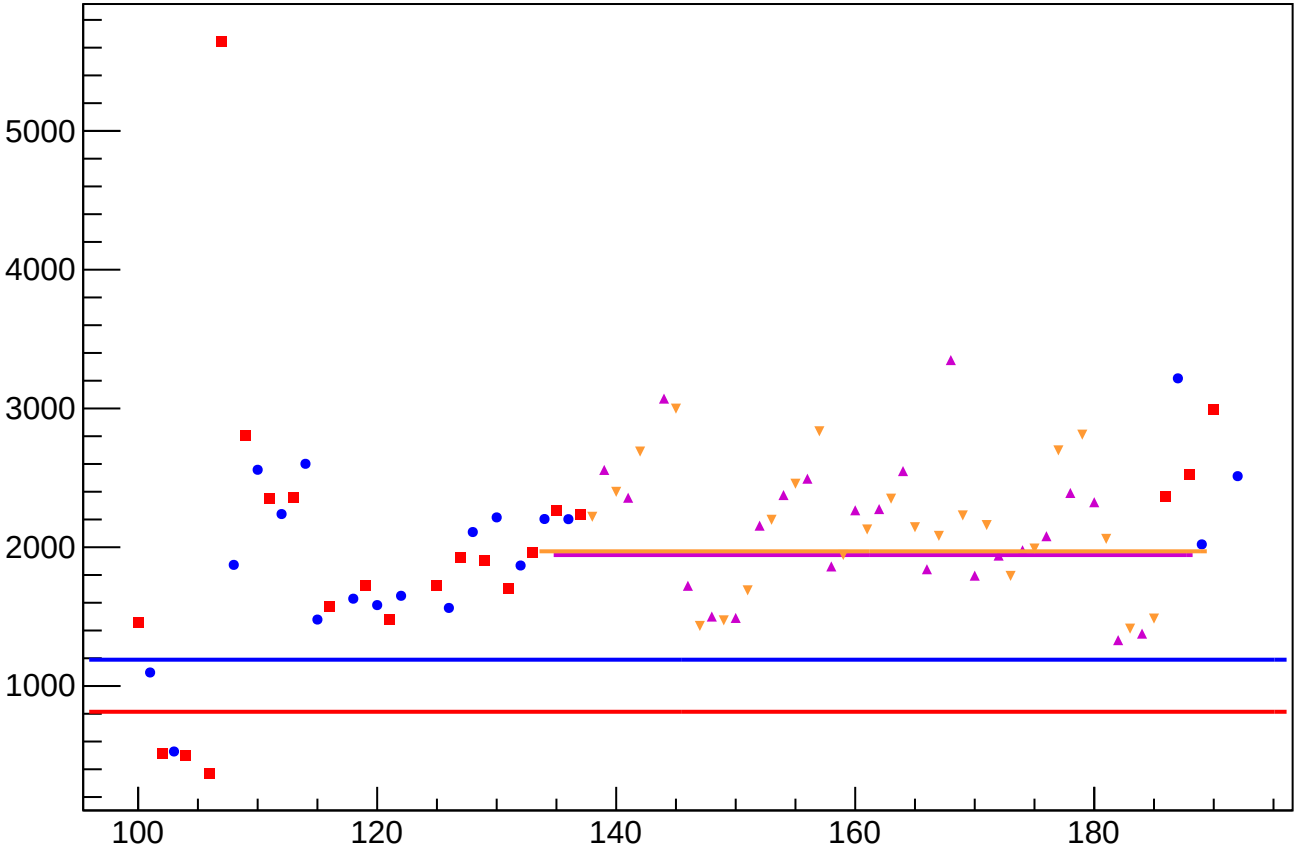
Right: -361.830+/-283.904 χ^2/NDF: 42.3/39

In: -42.446+/-331.304 χ^2/NDF:30.6/41

Out: -527.452+/-284.435 χ^2/NDF:54.2/44

All: -321.654+/-215.811 χ^2/NDF: 86.0/86

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: 814.379+/-0.252 χ^2/NDF: 7197431.9/20

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

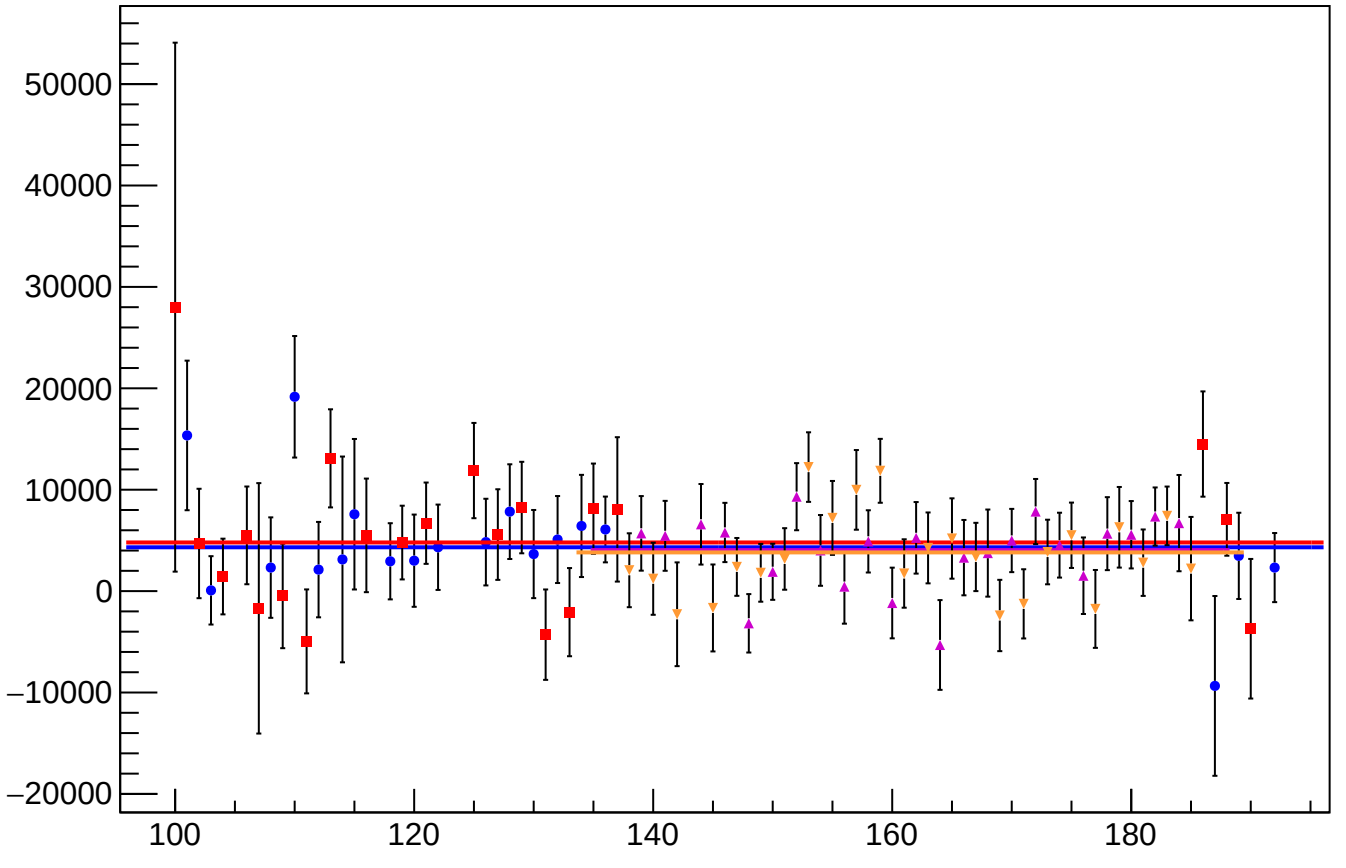
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 951.838+/-0.201 χ^2/NDF: 12673409.7/39

In: 1567.488+/-0.234 χ^2/NDF:9137692.4/41

Out: 1235.203+/-0.201 χ^2/NDF:16545124.6/44

All: 1376.198+/-0.153 χ^2/NDF: 26841001.8/8



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: 4797.494+/-1054.514 χ^2/NDF: 25.5/20

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

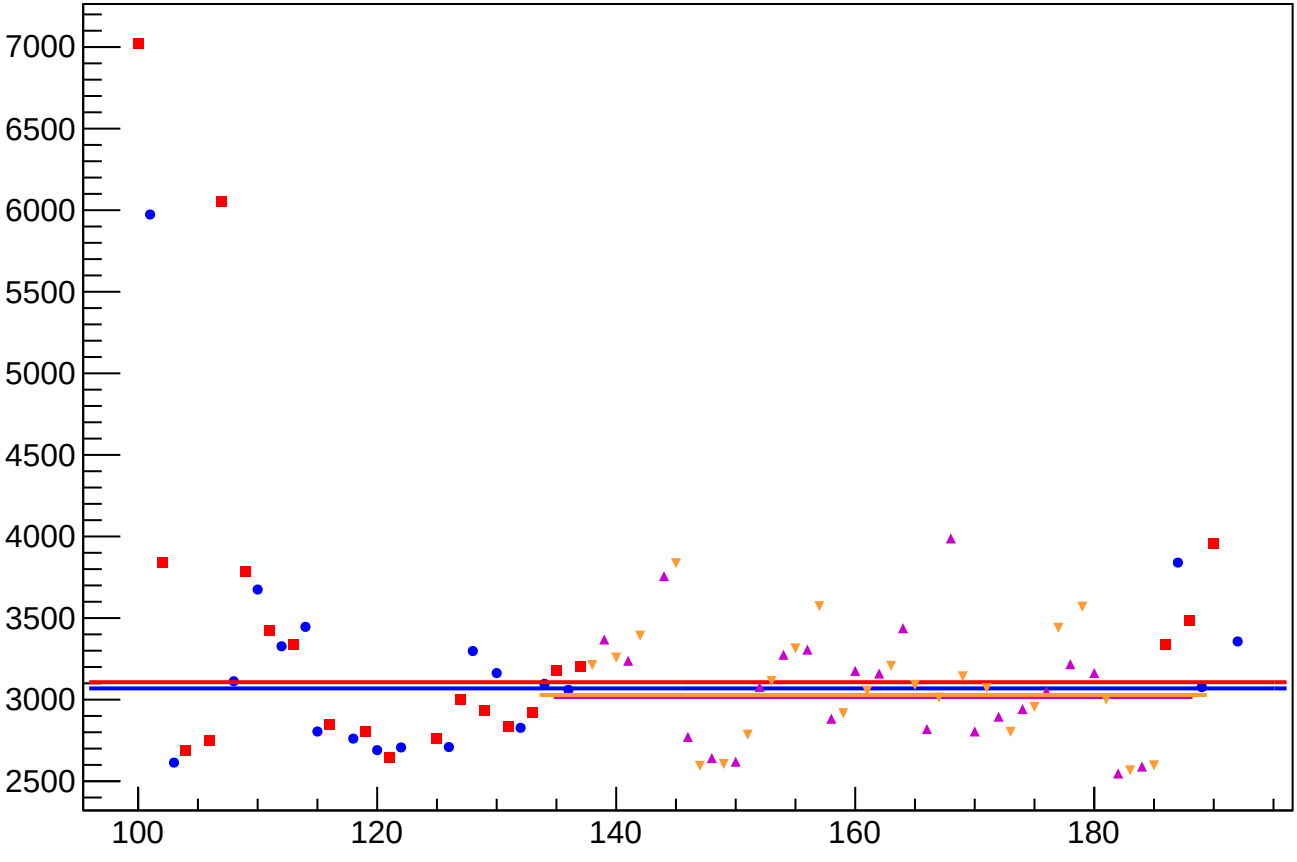
Right: 4556.399+/-741.352 χ^2/NDF: 40.2/39

In: 4130.560+/-586.579 χ^2/NDF:37.2/41

Out: 4122.415+/-587.983 χ^2/NDF:57.0/44

All: 4126.497+/-415.270 χ^2/NDF: 94.1/86

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



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: 3106.816+/-0.746 χ^2/NDF: 407068.0/20

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

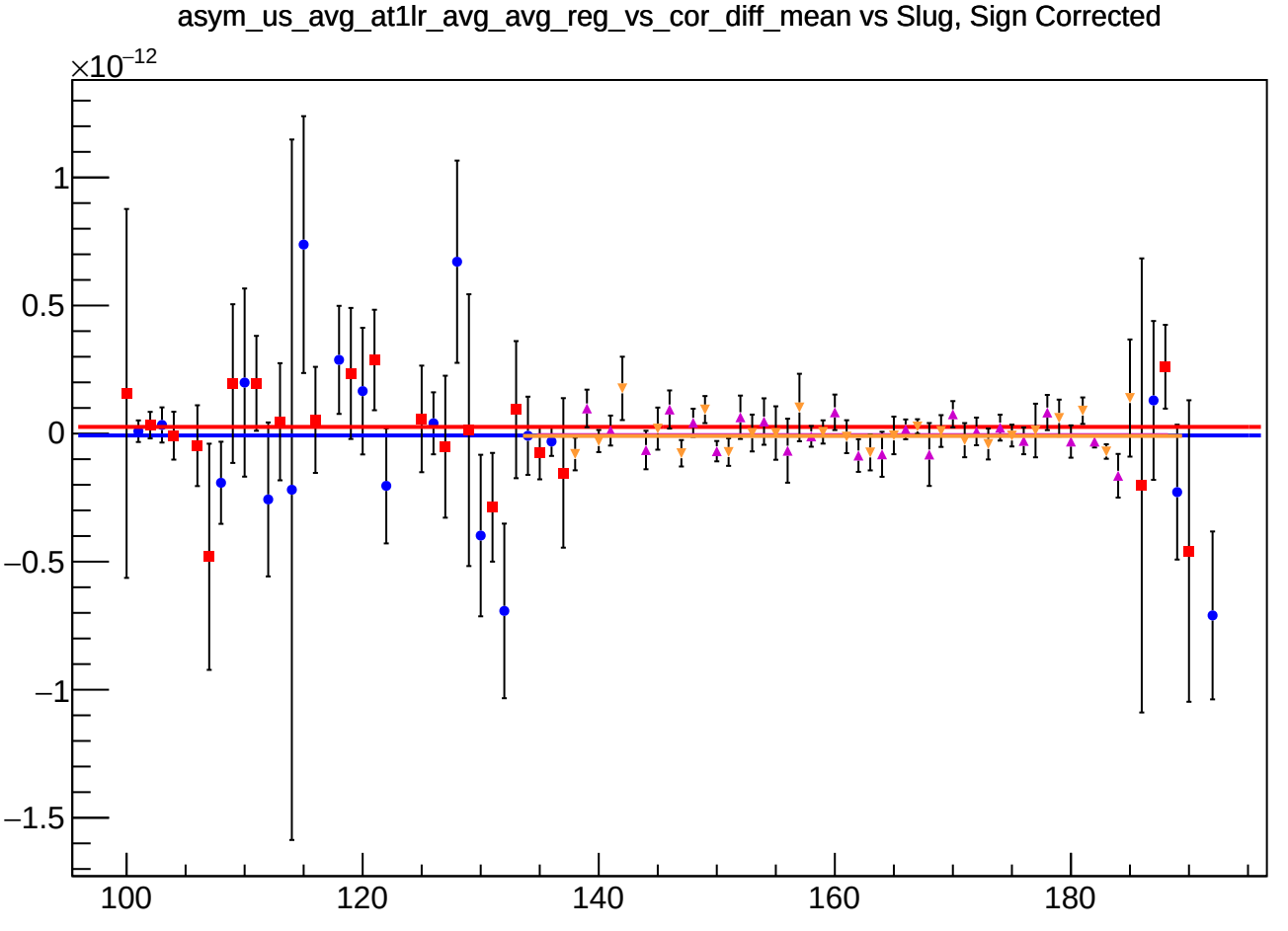
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3087.582+/-0.524 χ^2/NDF: 884705.0/39

In: 3032.885+/-0.415 χ^2/NDF:919690.0/41

Out: 3053.182+/-0.416 χ^2/NDF:811687.4/44

All: 3043.009+/-0.294 χ^2/NDF: 1732571.9/86



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: 11.8/20

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

Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

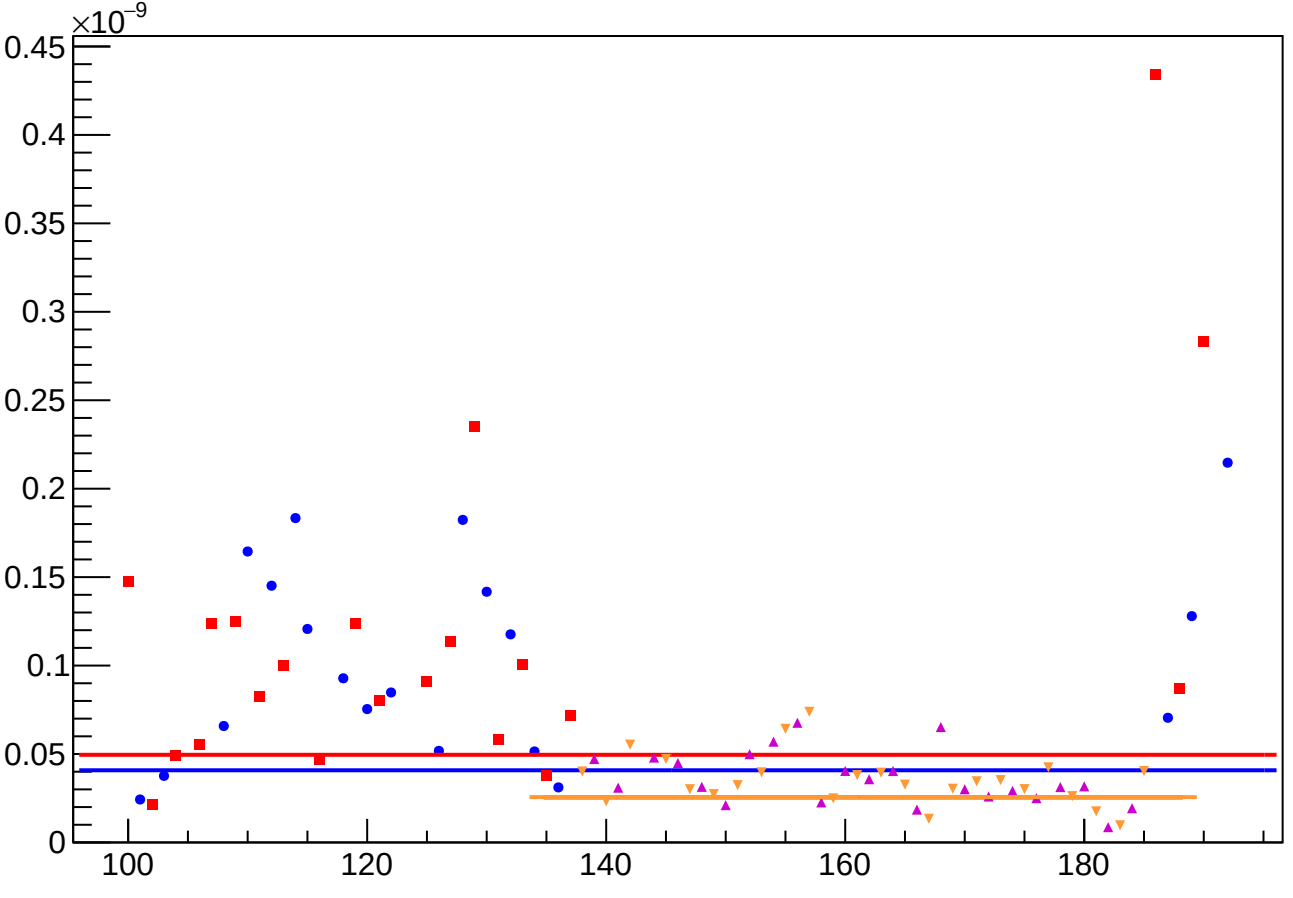
Right: 0.000+/-0.000 χ^2/NDF: 35.1/39

In: -0.000+/-0.000 χ^2/NDF:45.9/41

Out: -0.000+/-0.000 χ^2/NDF:37.0/44

All: -0.000+/-0.000 χ^2/NDF: 82.9/86

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: 2509643.6/20

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

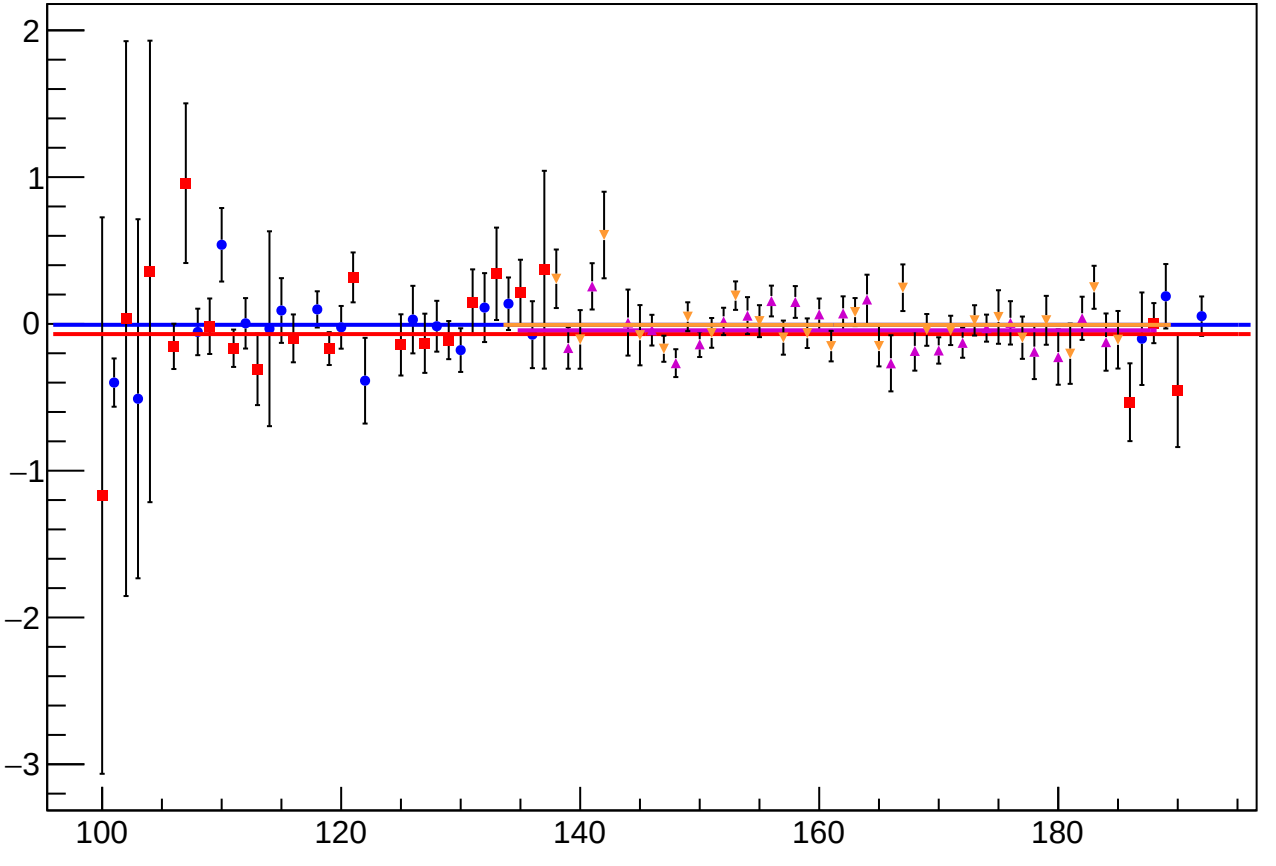
Right: 0.000+/-0.000 χ^2/NDF: 5178708.3/39

In: 0.000+/-0.000 χ^2/NDF:5949110.8/41

Out: 0.000+/-0.000 χ^2/NDF:5858679.1/44

All: 0.000+/-0.000 χ^2/NDF: 11808462.0/86

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: -0.069+/-0.043 χ^2/NDF: 21.3/20

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

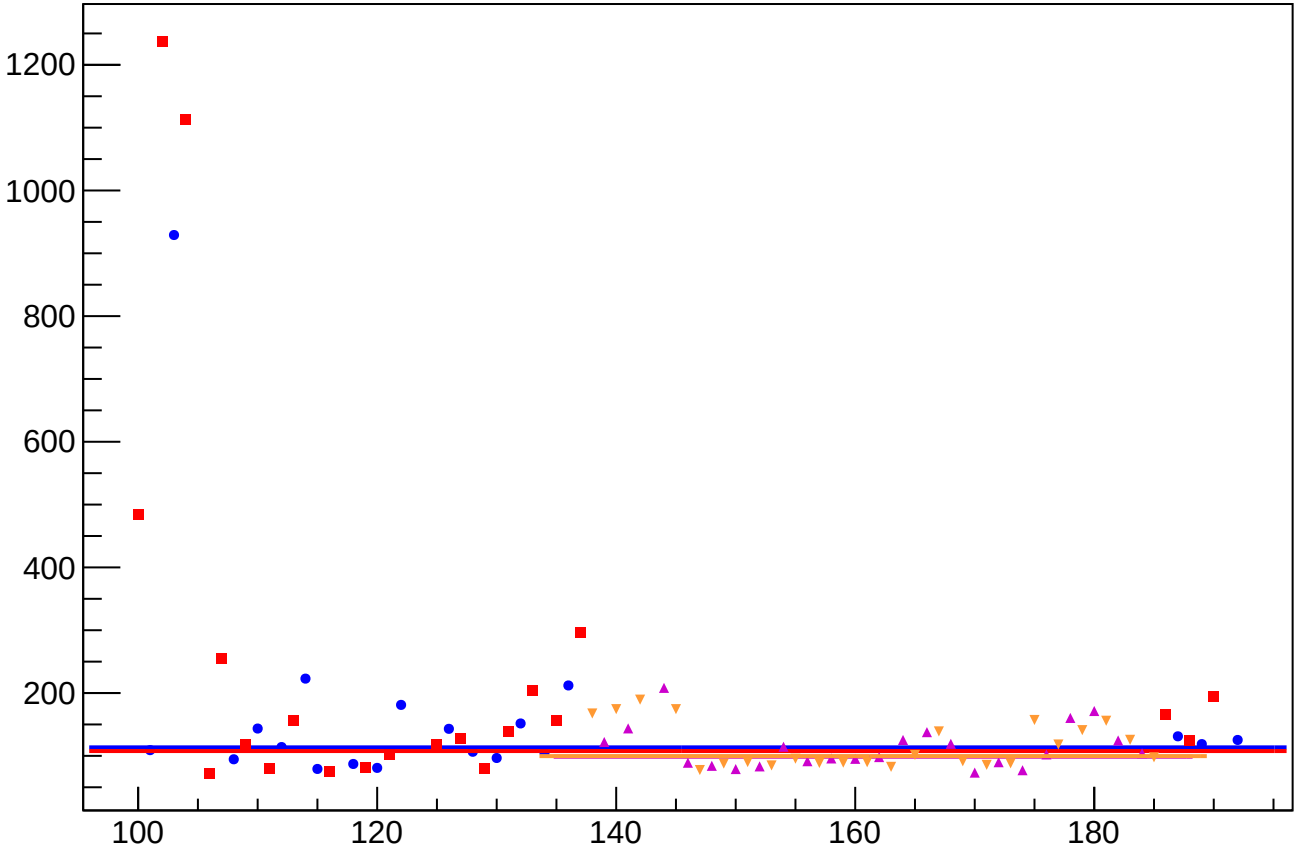
Right: -0.038+/-0.031 χ^2/NDF: 39.1/39

In: -0.034+/-0.022 χ^2/NDF:47.6/41

Out: -0.023+/-0.022 χ^2/NDF:50.6/44

All: -0.029+/-0.015 χ^2/NDF: 98.3/86

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: 107.665+/-0.030 χ^2/NDF: 3079539.3/20

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

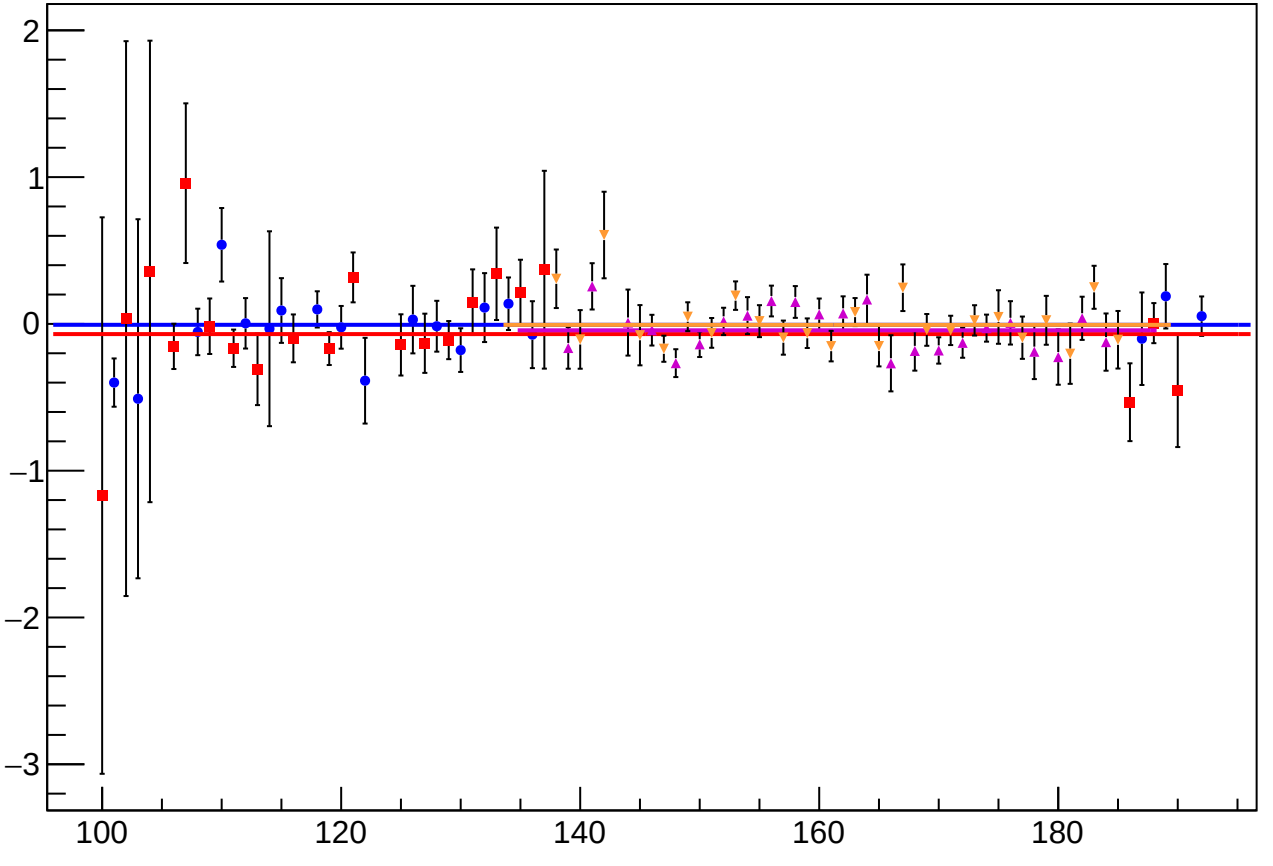
Right: 110.567+/-0.022 χ^2/NDF: 4964030.8/39

In: 102.366+/-0.015 χ^2/NDF:4044522.0/41

Out: 101.664+/-0.015 χ^2/NDF:5202777.6/44

All: 102.017+/-0.011 χ^2/NDF: 9248340.3/86

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: -0.069+/-0.043 χ^2/NDF: 21.3/20

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

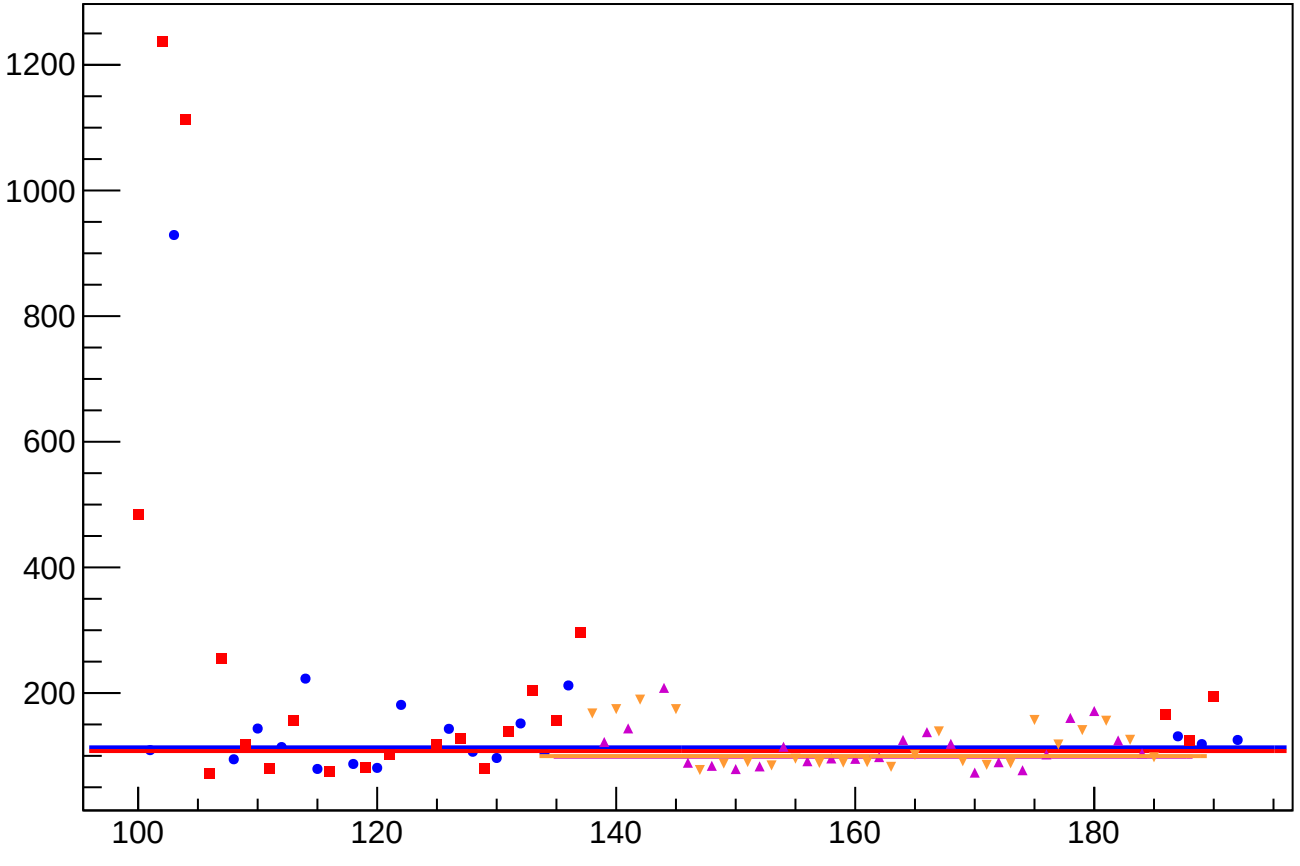
Right: -0.038+/-0.031 χ^2/NDF: 39.1/39

In: -0.034+/-0.022 χ^2/NDF:47.6/41

Out: -0.023+/-0.022 χ^2/NDF:50.6/44

All: -0.029+/-0.015 χ^2/NDF: 98.3/86

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: 107.665+/-0.030 χ^2/NDF: 3079539.3/20

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

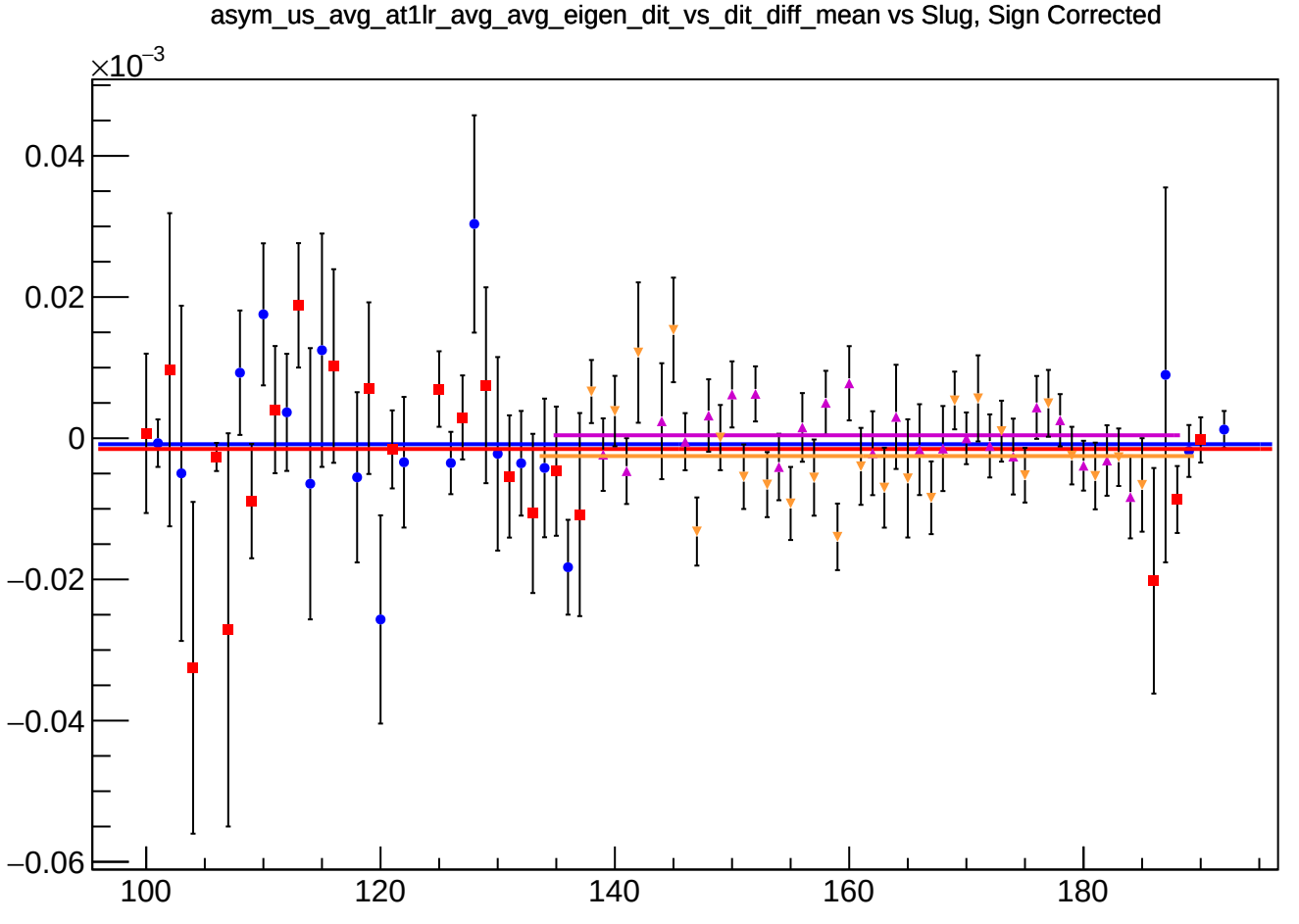
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 110.567+/-0.022 χ^2/NDF: 4964030.8/39

In: 102.366+/-0.015 χ^2/NDF:4044522.0/41

Out: 101.664+/-0.015 χ^2/NDF:5202777.6/44

All: 102.017+/-0.011 χ^2/NDF: 9248340.3/86



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: 19.7/20

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

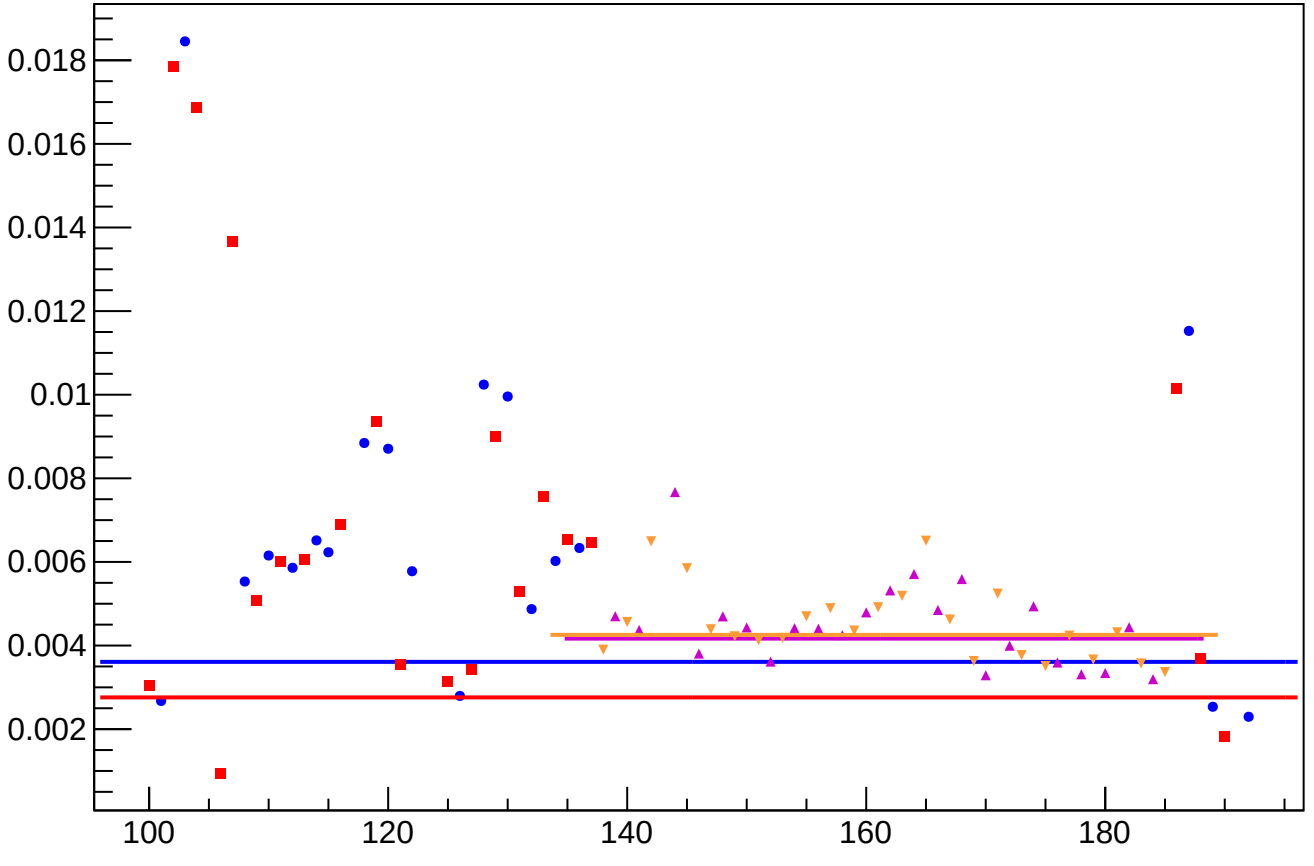
Right: -0.000+/-0.000 χ^2/NDF: 40.9/39

In: 0.000+/-0.000 χ^2/NDF:37.5/41

Out: -0.000+/-0.000 χ^2/NDF:60.2/44

All: -0.000+/-0.000 χ^2/NDF: 101.3/86

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 4348539.1/18

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 7282538.4/20

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

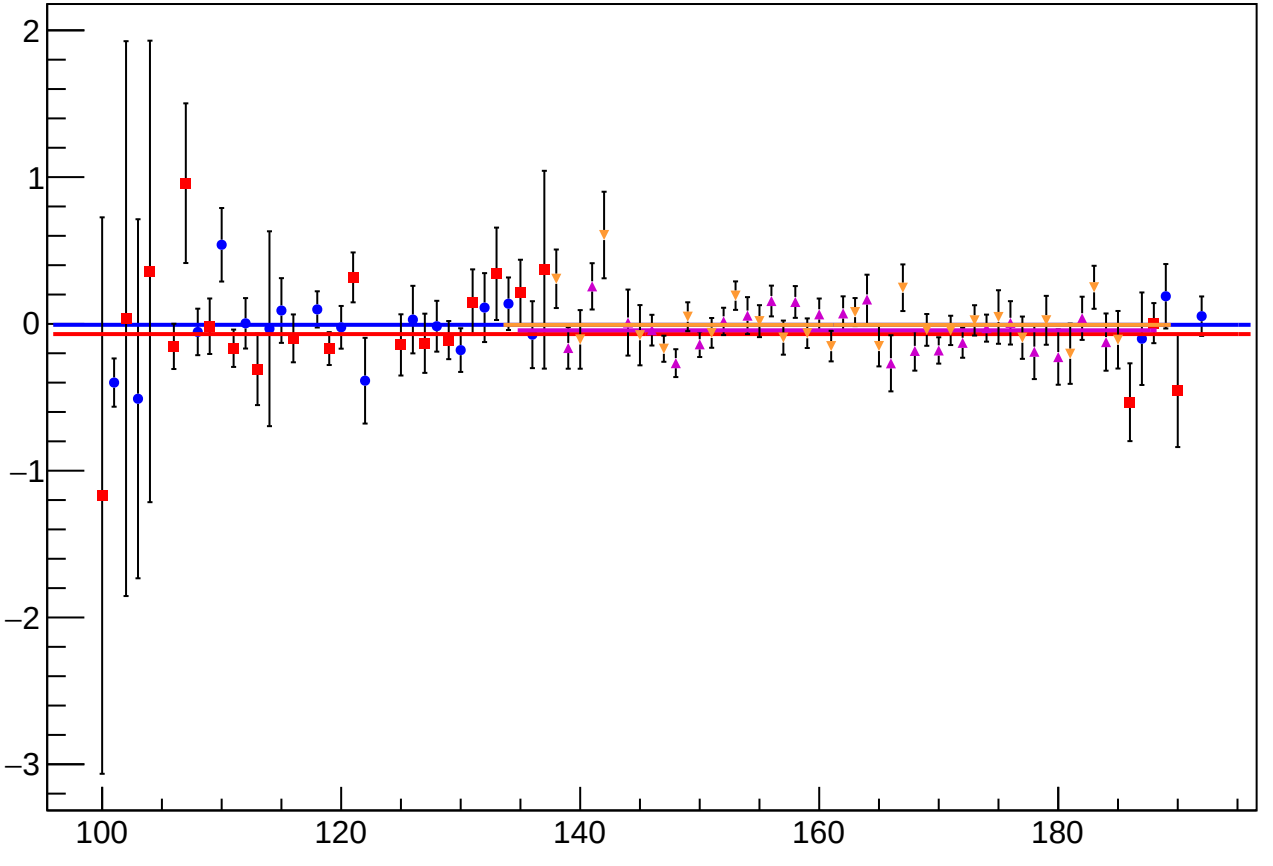
Right: 0.003+/-0.000 χ^2/NDF: 12020929.5/39

In: 0.004+/-0.000 χ^2/NDF:5829561.9/41

Out: 0.004+/-0.000 χ^2/NDF:9785038.5/44

All: 0.004+/-0.000 χ^2/NDF: 15753898.2/86

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: -0.069+/-0.043 χ^2/NDF: 21.3/20

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

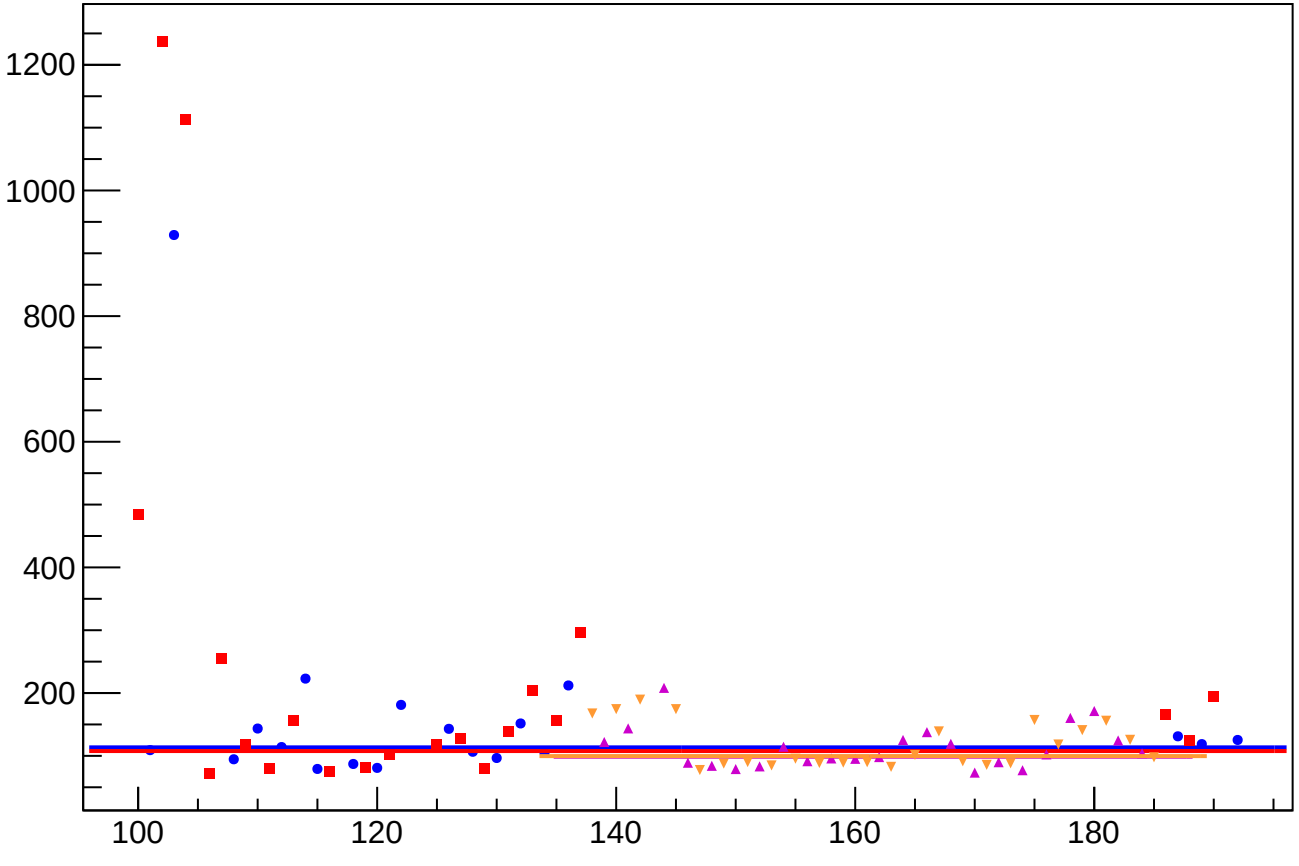
Right: -0.038+/-0.031 χ^2/NDF: 39.1/39

In: -0.034+/-0.022 χ^2/NDF:47.6/41

Out: -0.023+/-0.022 χ^2/NDF:50.6/44

All: -0.029+/-0.015 χ^2/NDF: 98.3/86

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: 107.663+/-0.030 χ^2/NDF: 3079564.6/20

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

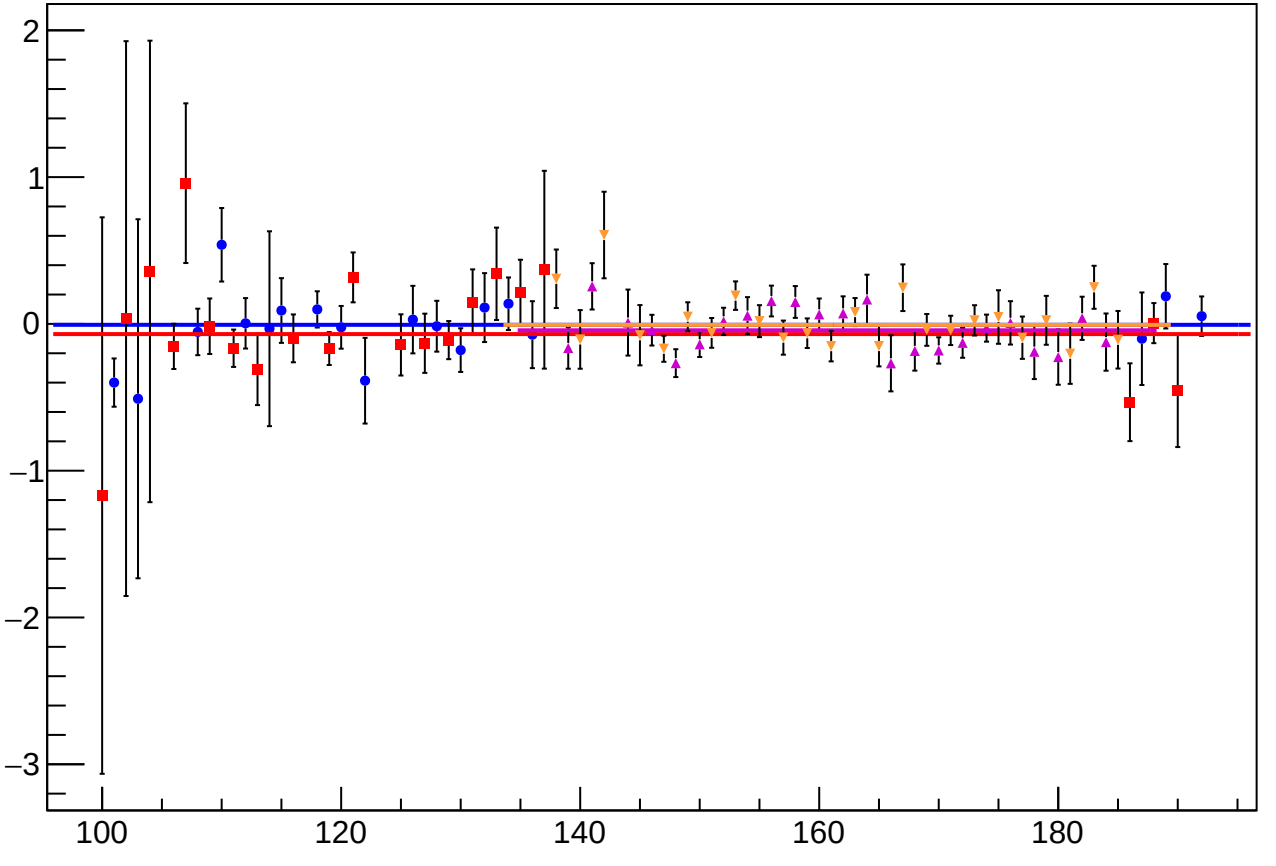
Right: 110.565+/-0.022 χ^2/NDF: 4964109.6/39

In: 102.366+/-0.015 χ^2/NDF:4044489.0/41

Out: 101.664+/-0.015 χ^2/NDF:5202742.3/44

All: 102.017+/-0.011 χ^2/NDF: 9248270.8/86

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: -0.069+/-0.043 χ^2/NDF: 21.3/20

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

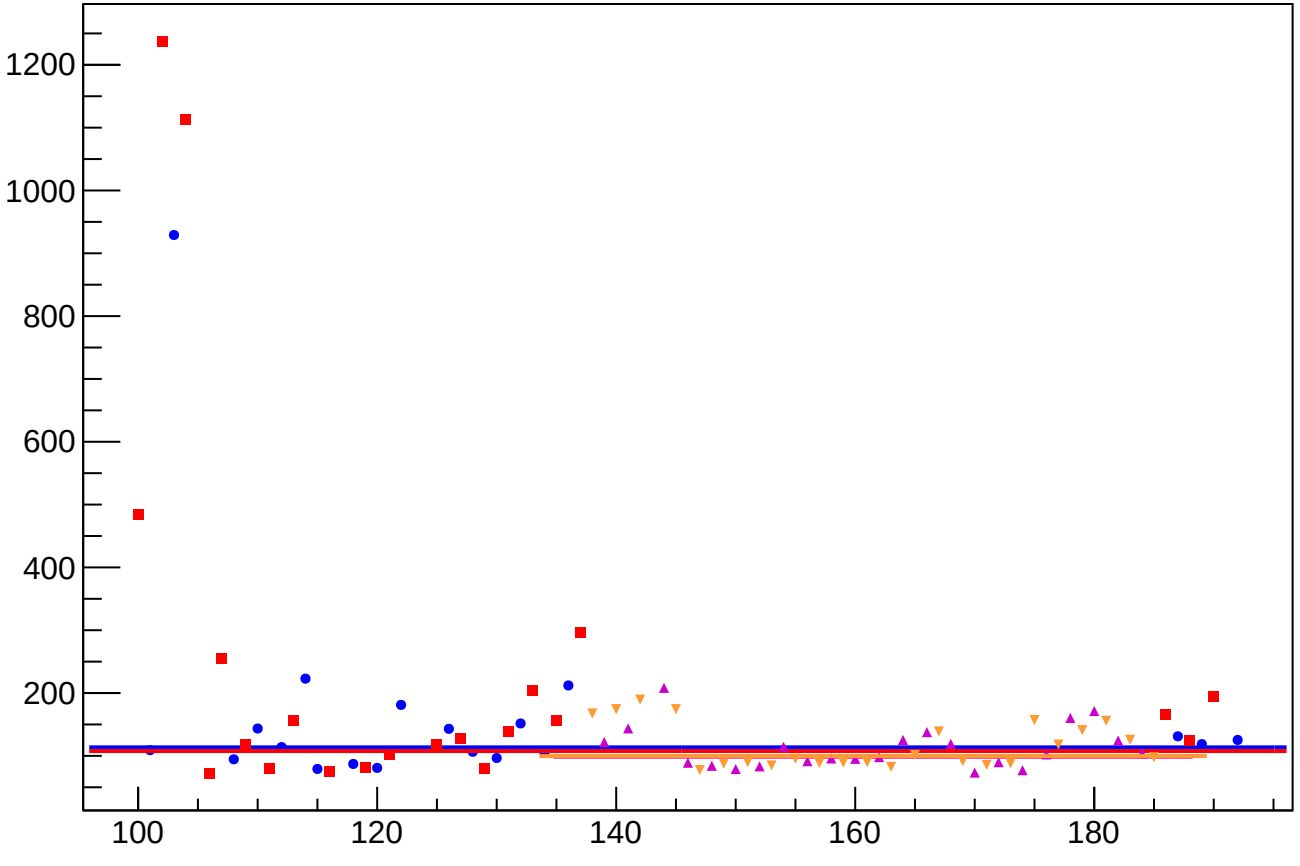
Right: -0.038+/-0.031 χ^2/NDF: 39.1/39

In: -0.034+/-0.022 χ^2/NDF:47.6/41

Out: -0.023+/-0.022 χ^2/NDF:50.6/44

All: -0.029+/-0.015 χ^2/NDF: 98.3/86

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: 107.663+/-0.030 χ^2/NDF: 3079564.6/20

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

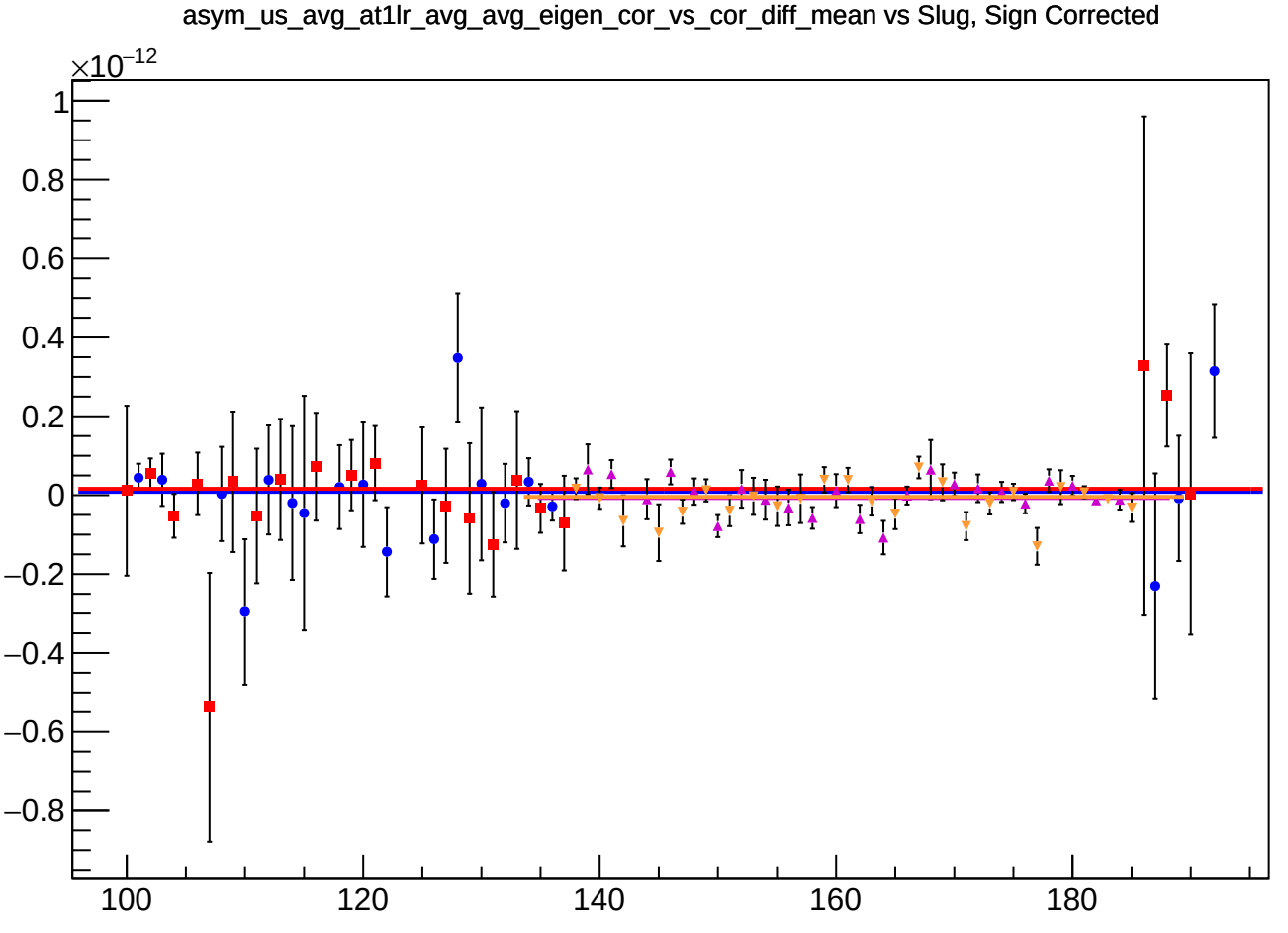
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

Right: 110.565+/-0.022 χ^2/NDF: 4964109.6/39

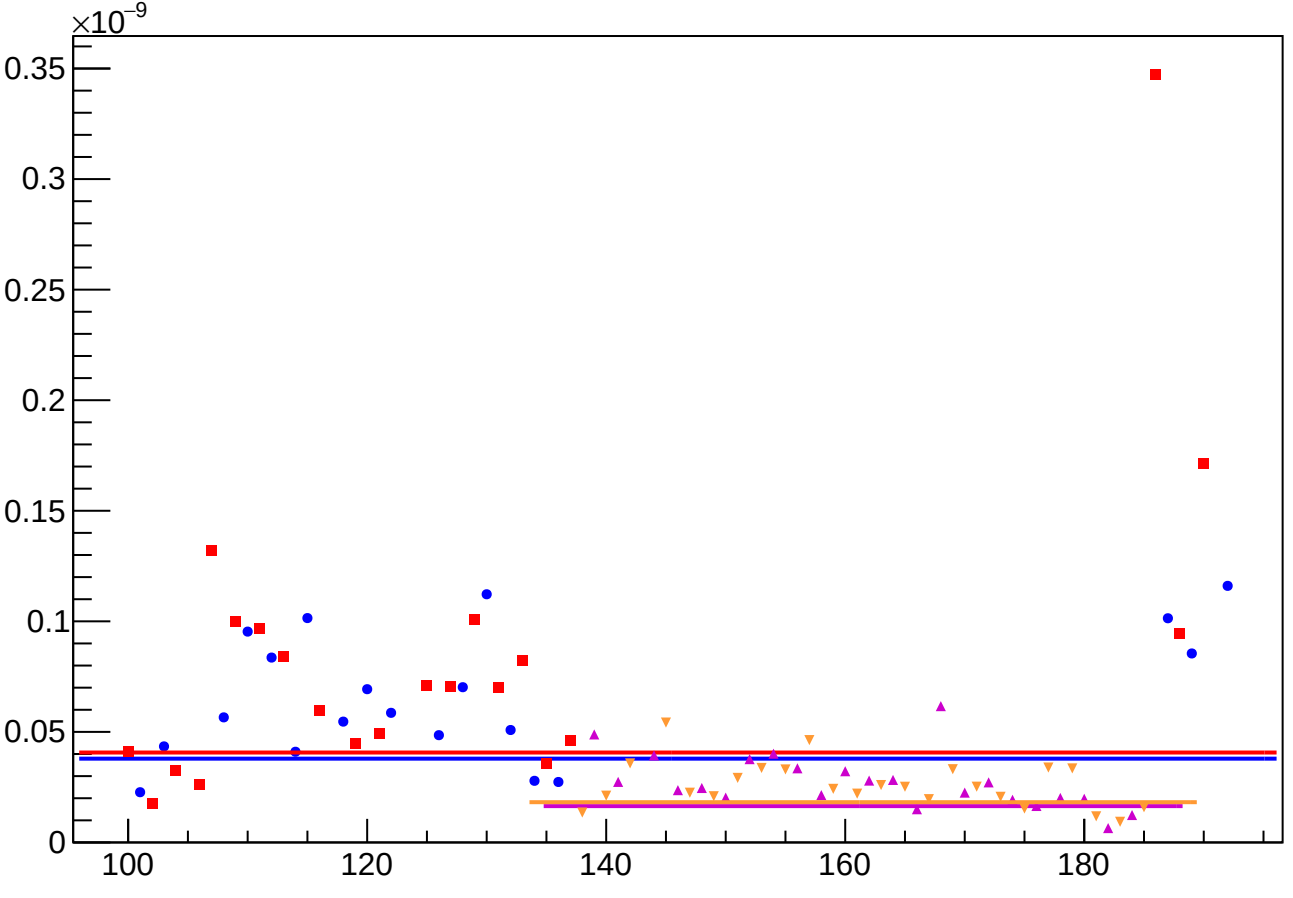
In: 102.366+/-0.015 χ^2/NDF:4044489.0/41

Out: 101.664+/-0.015 χ^2/NDF:5202742.3/44

All: 102.017+/-0.011 χ^2/NDF: 9248270.8/86


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 16.9/18
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 12.4/20
Left In: -0.000+/-0.000 χ²/NDF:35.2/22
Left: -0.000+/-0.000 χ²/NDF: 68.3/46
Right: 0.000+/-0.000 χ²/NDF: 29.3/39
In: -0.000+/-0.000 χ²/NDF:52.7/41
Out: -0.000+/-0.000 χ²/NDF:46.2/44
All: -0.000+/-0.000 χ²/NDF: 99.1/86

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2484567.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3306922.6/20

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

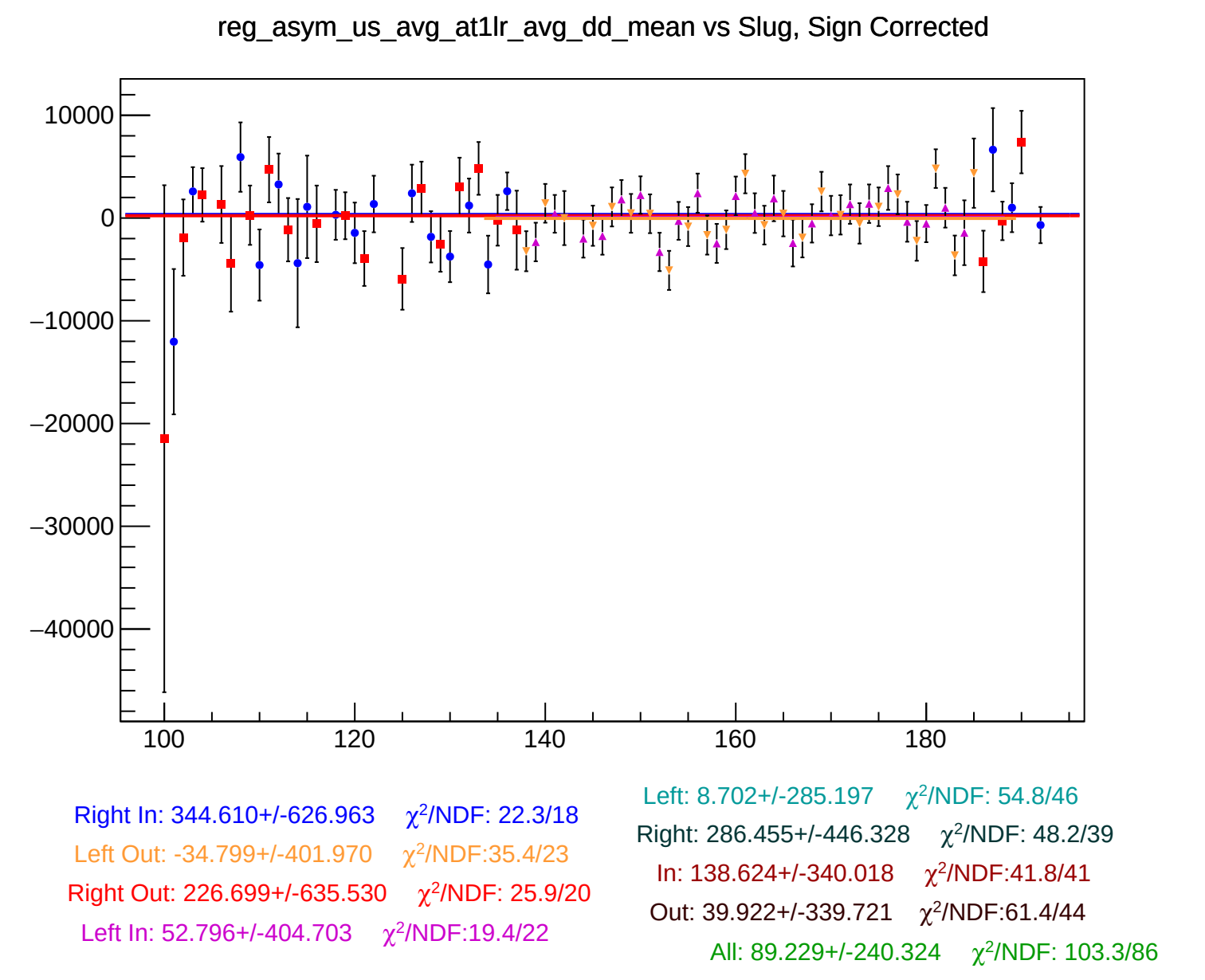
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

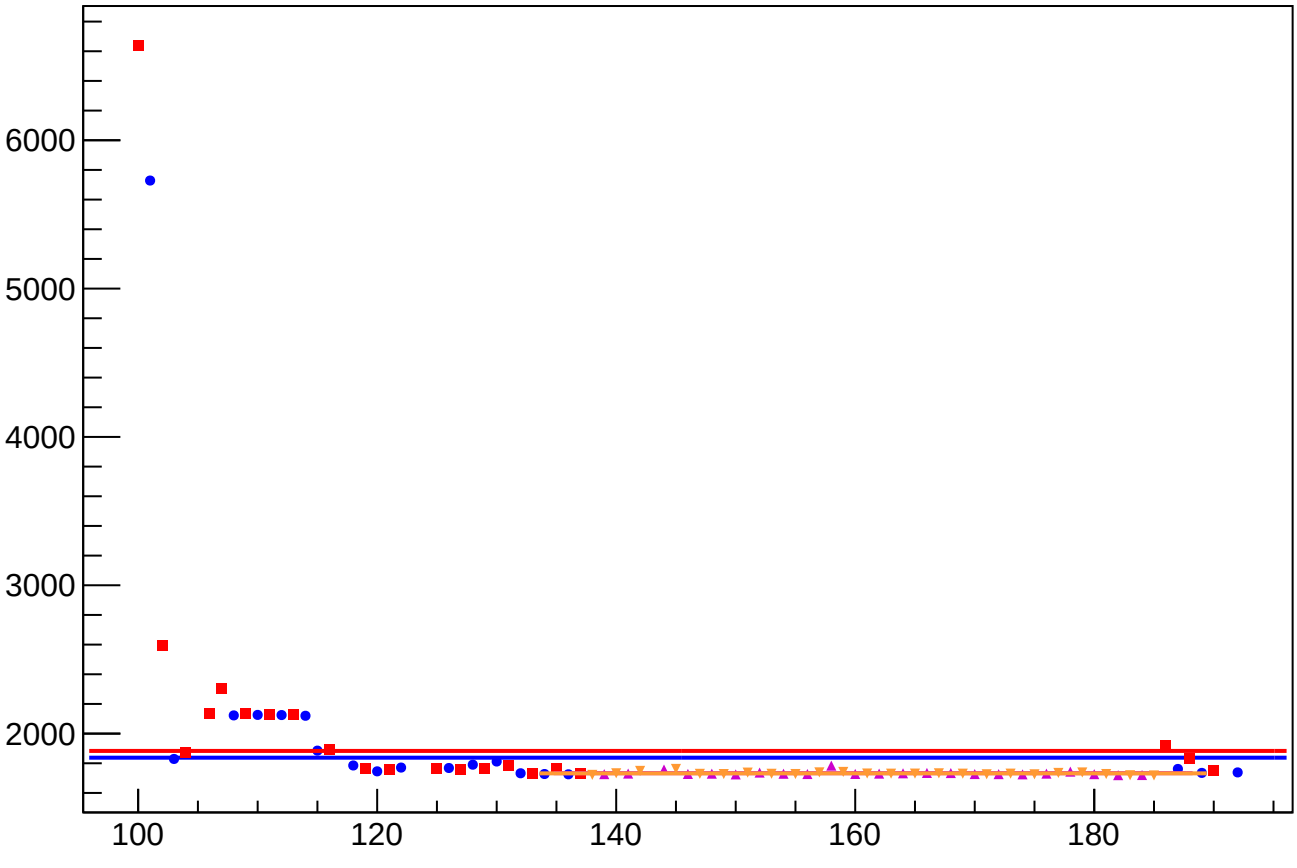
Right: 0.000+/-0.000 χ^2/NDF: 5810525.5/39

In: 0.000+/-0.000 χ^2/NDF:11880280.2/41

Out: 0.000+/-0.000 χ^2/NDF:9691232.4/44

All: 0.000+/-0.000 χ^2/NDF: 21670182.5/86


reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: 344.610+/-626.963 χ²/NDF: 22.3/18
Left Out: -34.799+/-401.970 χ²/NDF:35.4/23
Right Out: 226.699+/-635.530 χ²/NDF: 25.9/20
Left In: 52.796+/-404.703 χ²/NDF:19.4/22
Left: 8.702+/-285.197 χ²/NDF: 54.8/46
Right: 286.455+/-446.328 χ²/NDF: 48.2/39
In: 138.624+/-340.018 χ²/NDF:41.8/41
Out: 39.922+/-339.721 χ²/NDF:61.4/44
All: 89.229+/-240.324 χ²/NDF: 103.3/86



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: 1883.223+/-0.449 χ^2/NDF: 256880.1/20

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

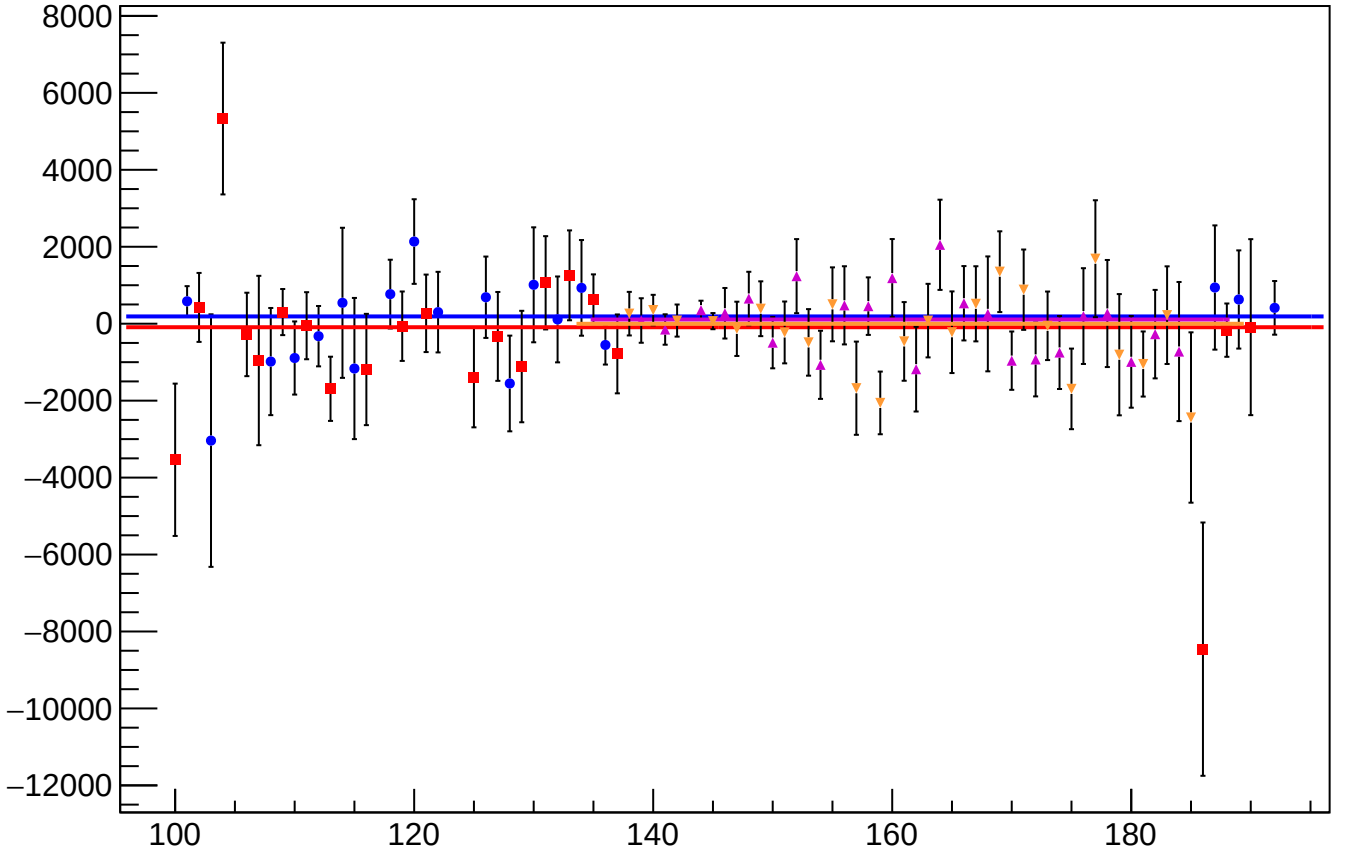
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1860.135+/-0.316 χ^2/NDF: 948563.1/39

In: 1764.006+/-0.240 χ^2/NDF:727812.2/41

Out: 1775.200+/-0.240 χ^2/NDF:338714.6/44

All: 1769.608+/-0.170 χ^2/NDF: 1067611.5/86



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: -91.439+/-223.698 χ^2/NDF: 27.9/20

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

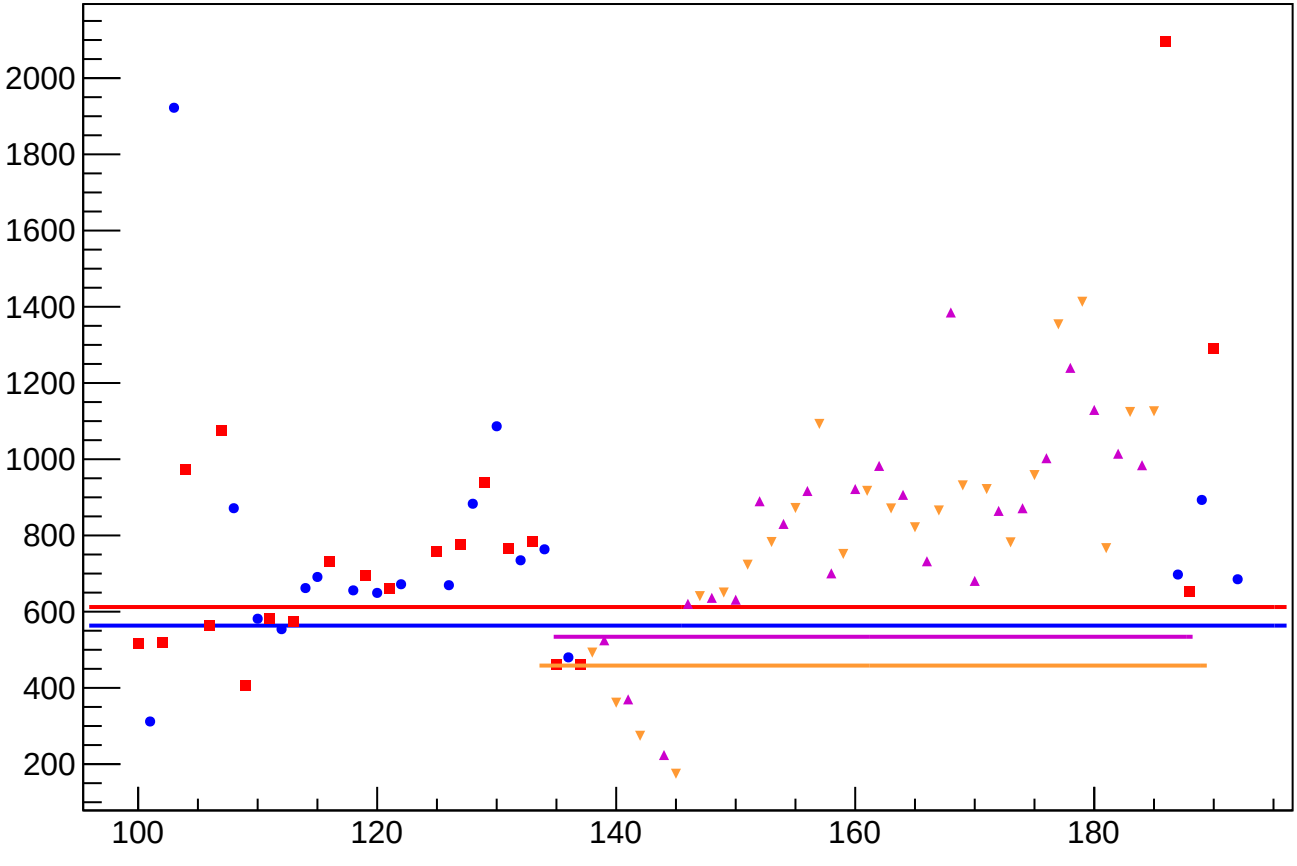
Right: 60.730+/-151.308 χ^2/NDF: 42.7/39

In: 134.797+/-117.539 χ^2/NDF:31.1/41

Out: -24.897+/-112.432 χ^2/NDF:48.3/44

All: 51.406+/-81.247 χ^2/NDF: 80.3/86

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: 612.191+/-0.158 χ^2/NDF: 1446448.8/20

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

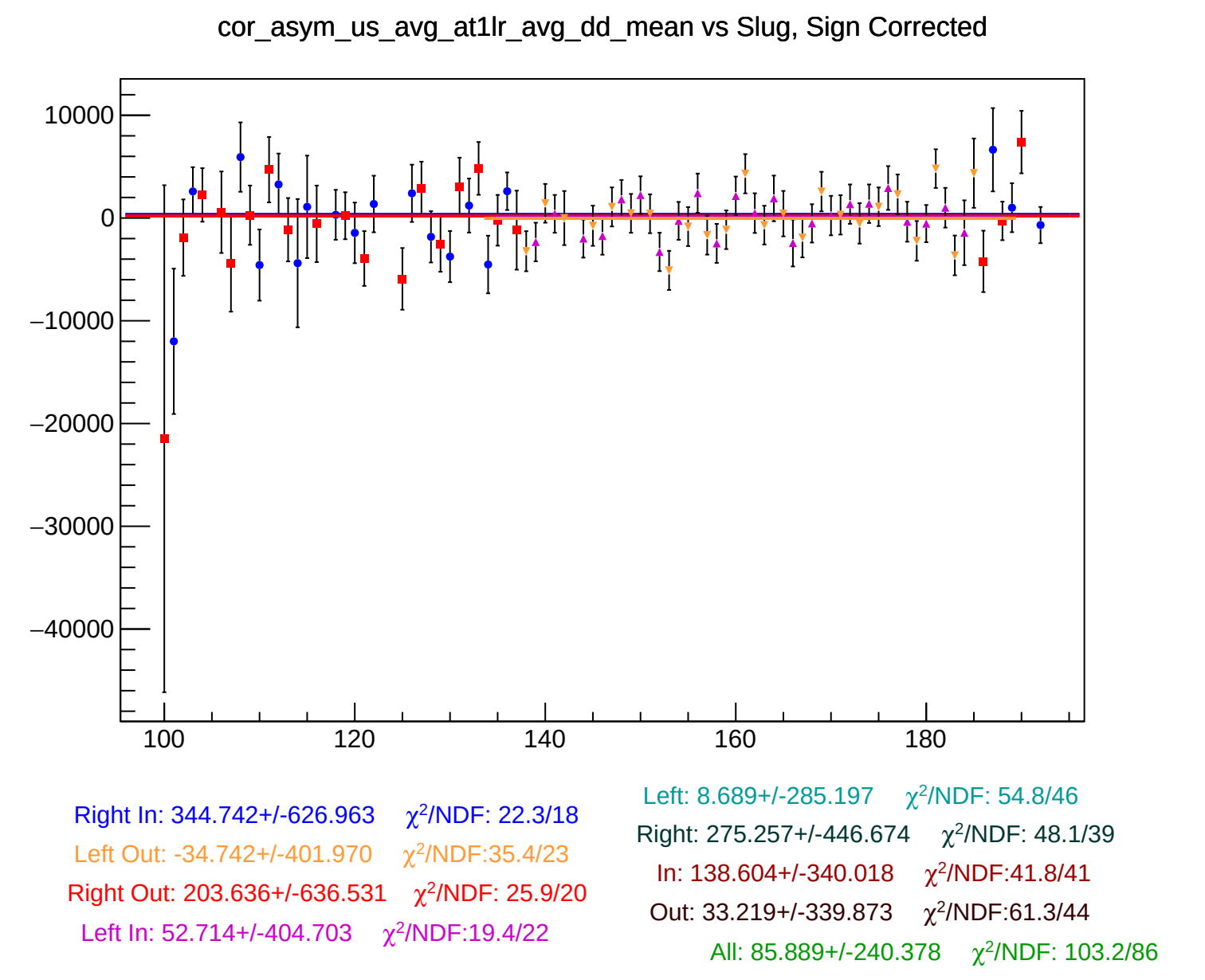
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

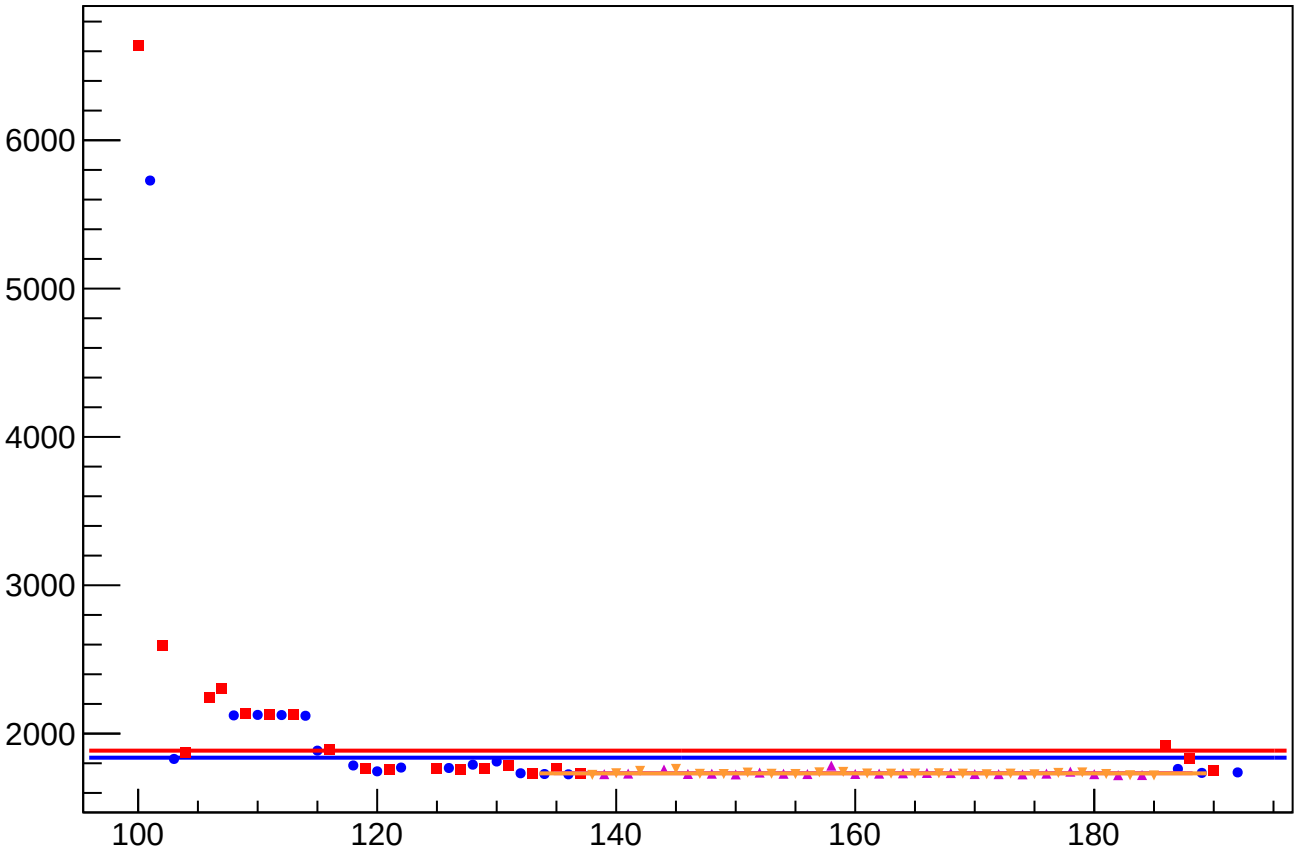
Right: 585.738+/-0.107 χ^2/NDF: 3585350.5/39

In: 543.742+/-0.083 χ^2/NDF:10557947.9/41

Out: 497.383+/-0.080 χ^2/NDF:13578046.5/44

All: 519.534+/-0.057 χ^2/NDF: 24298461.0/86


cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: 344.742+/-626.963 χ²/NDF: 22.3/18
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: 203.636+/-636.531 χ²/NDF: 25.9/20
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 275.257+/-446.674 χ²/NDF: 48.1/39
In: 138.604+/-340.018 χ²/NDF:41.8/41
Out: 33.219+/-339.873 χ²/NDF:61.3/44
All: 85.889+/-240.378 χ²/NDF: 103.2/86



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: 1885.134+/-0.450 χ^2/NDF: 264043.3/20

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

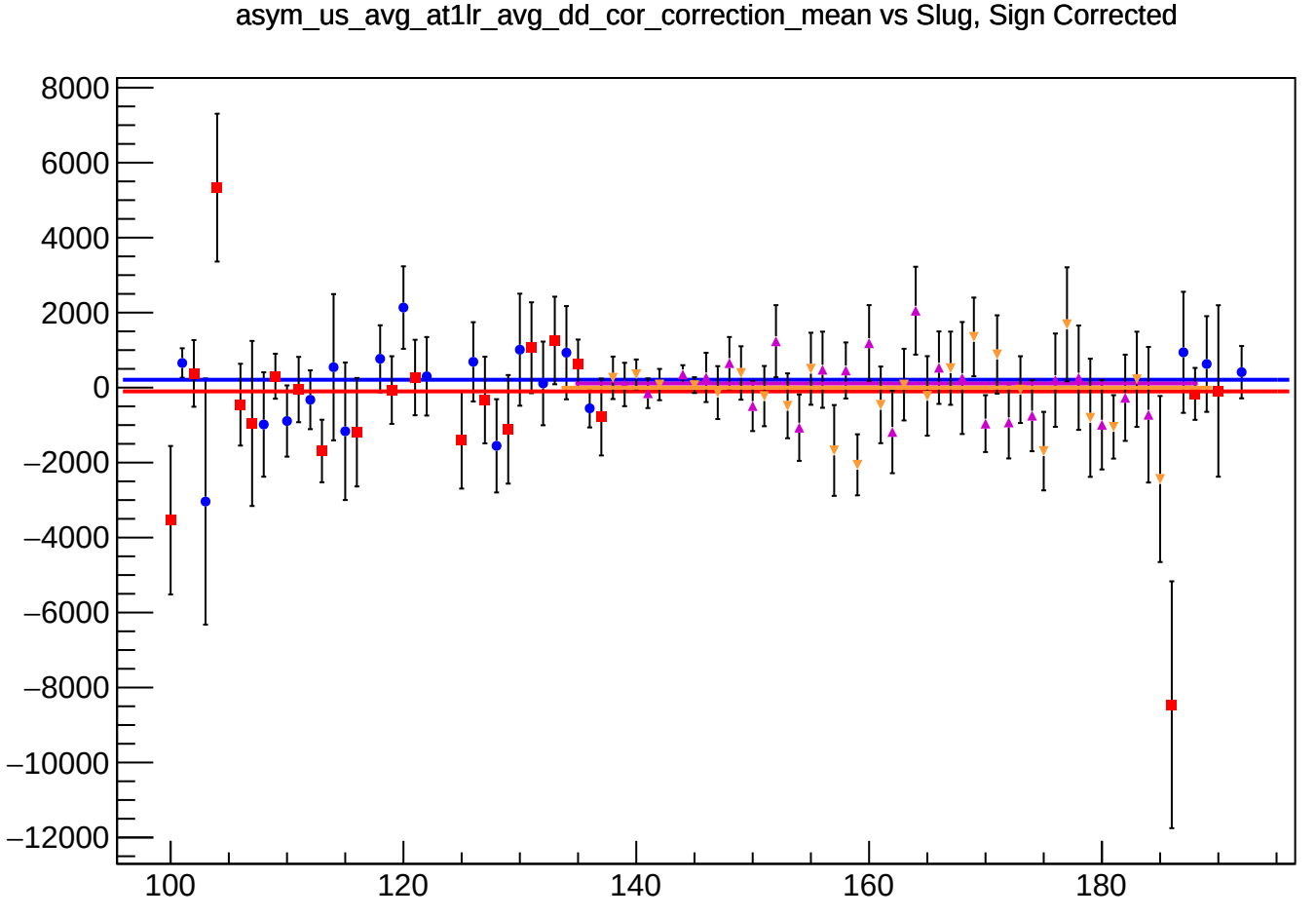
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1861.040+/-0.316 χ^2/NDF: 956163.4/39

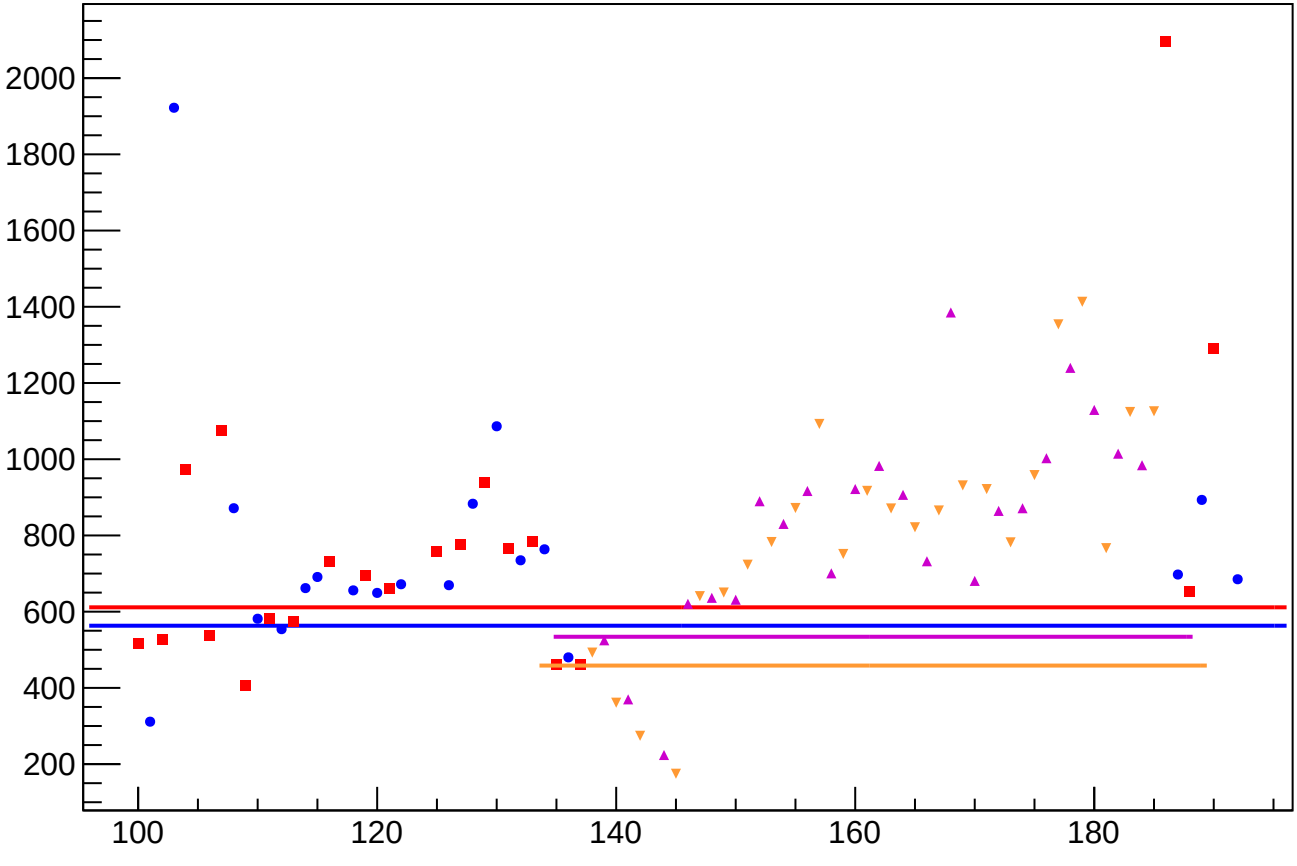
In: 1764.006+/-0.240 χ^2/NDF:727812.0/41

Out: 1775.648+/-0.240 χ^2/NDF:347749.0/44

All: 1769.830+/-0.170 χ^2/NDF: 1076733.8/86


asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
Right In: 209.367+/-205.370 χ²/NDF: 14.4/18
Left Out: -2.529+/-130.054 χ²/NDF:20.3/23
Right Out: -101.095+/-223.651 χ²/NDF: 27.9/20
Left In: 108.358+/-143.315 χ²/NDF:17.0/22
Left: 47.548+/-96.310 χ²/NDF: 37.6/46
Right: 67.342+/-151.269 χ²/NDF: 43.3/39
In: 141.438+/-117.527 χ²/NDF:31.5/41
Out: -27.436+/-112.427 χ²/NDF:48.4/44
All: 53.257+/-81.241 χ²/NDF: 81.0/86

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: 611.424+/-0.158 χ^2/NDF: 1449136.3/20

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

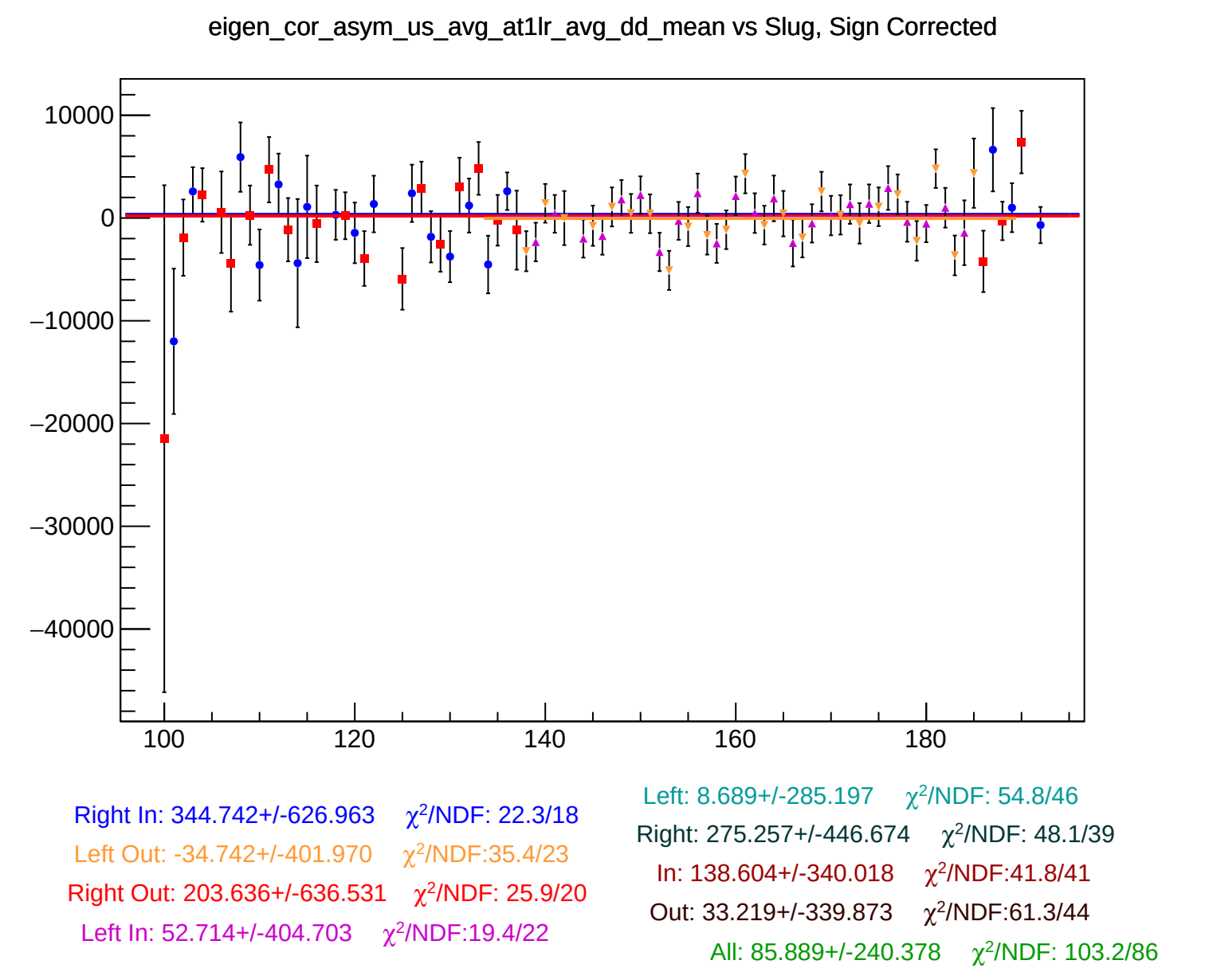
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

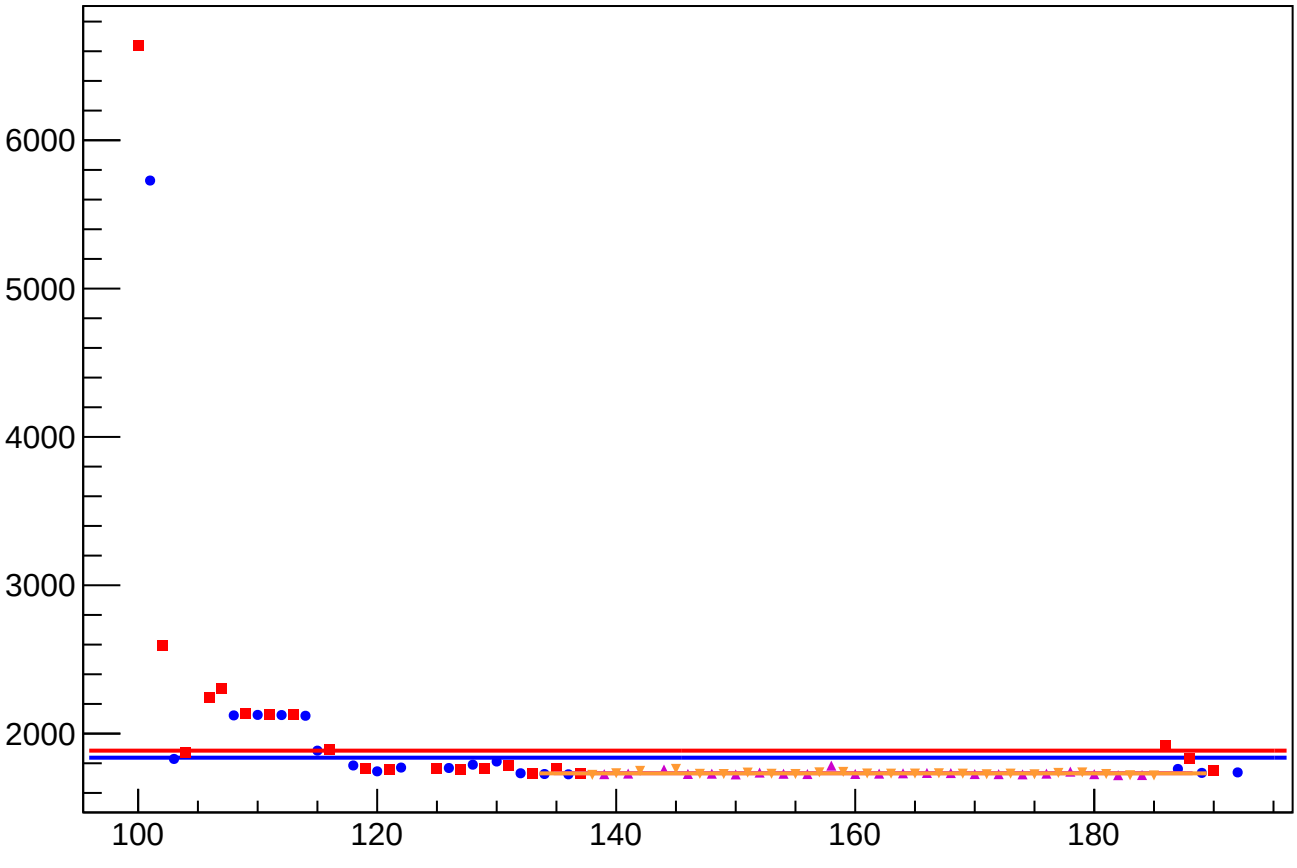
Right: 585.230+/-0.107 χ^2/NDF: 3592050.9/39

In: 543.657+/-0.083 χ^2/NDF:10561931.3/41

Out: 497.210+/-0.079 χ^2/NDF:13573412.0/44

All: 519.404+/-0.057 χ^2/NDF: 24298454.7/86


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: 344.742+/-626.963 χ²/NDF: 22.3/18
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: 203.636+/-636.531 χ²/NDF: 25.9/20
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 275.257+/-446.674 χ²/NDF: 48.1/39
In: 138.604+/-340.018 χ²/NDF:41.8/41
Out: 33.219+/-339.873 χ²/NDF:61.3/44
All: 85.889+/-240.378 χ²/NDF: 103.2/86



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: 1885.134+/-0.450 χ^2/NDF: 264043.3/20

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

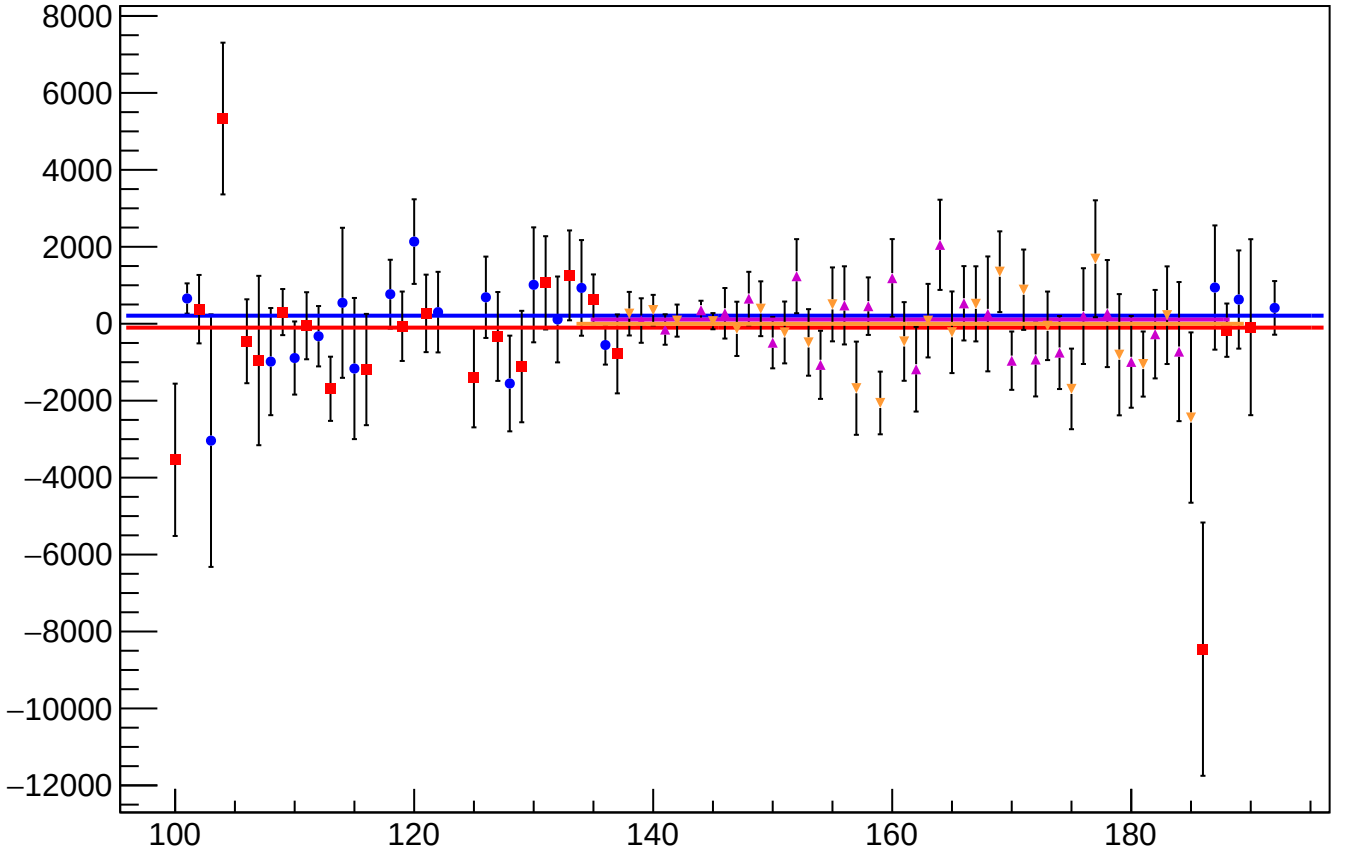
Right: 1861.040+/-0.316 χ^2/NDF: 956163.4/39

In: 1764.006+/-0.240 χ^2/NDF:727812.0/41

Out: 1775.648+/-0.240 χ^2/NDF:347749.0/44

All: 1769.830+/-0.170 χ^2/NDF: 1076733.8/86

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: -101.095+/-223.651 χ^2/NDF: 27.9/20

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

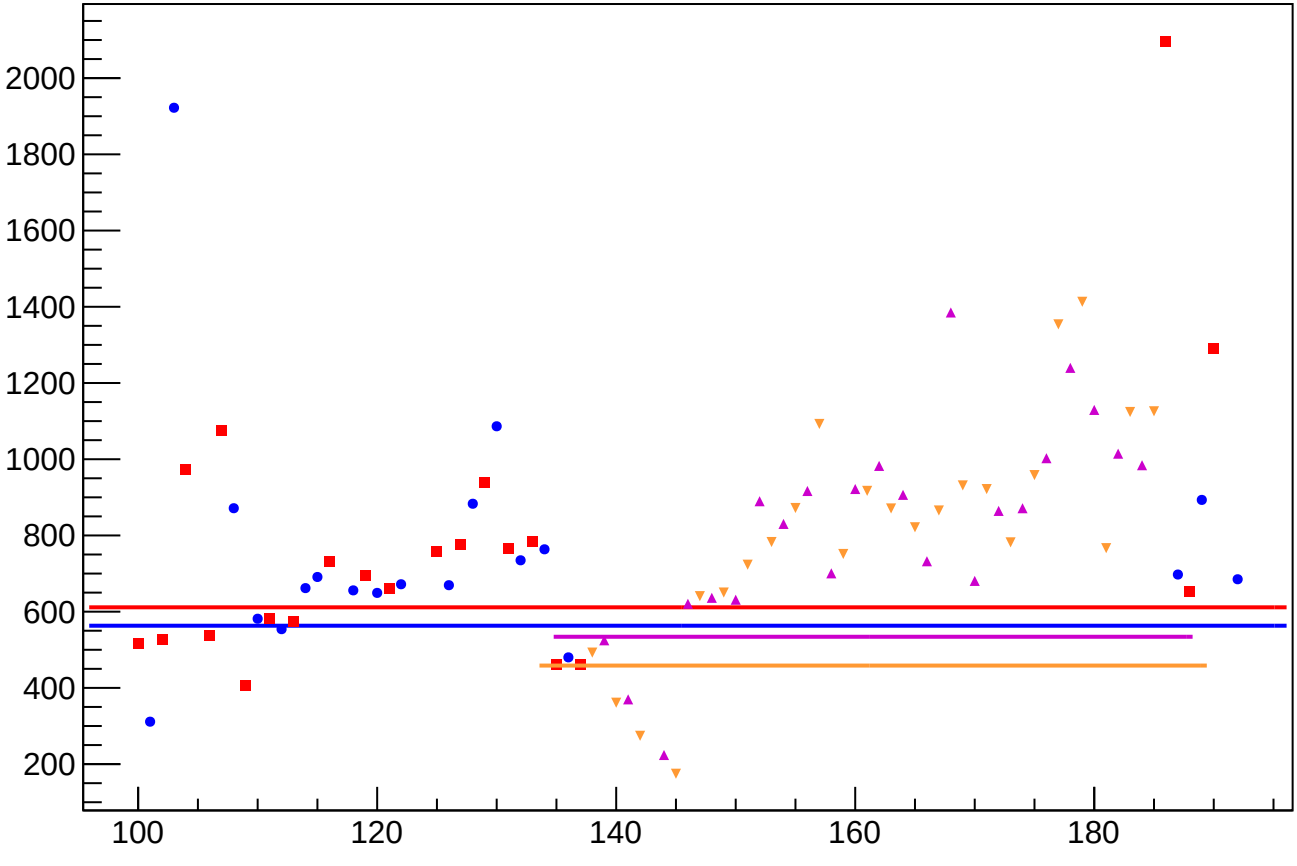
Right: 67.342+/-151.269 χ^2/NDF: 43.3/39

In: 141.438+/-117.527 χ^2/NDF:31.5/41

Out: -27.436+/-112.427 χ^2/NDF:48.4/44

All: 53.257+/-81.241 χ^2/NDF: 81.0/86

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: 611.424+/-0.158 χ^2/NDF: 1449136.3/20

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

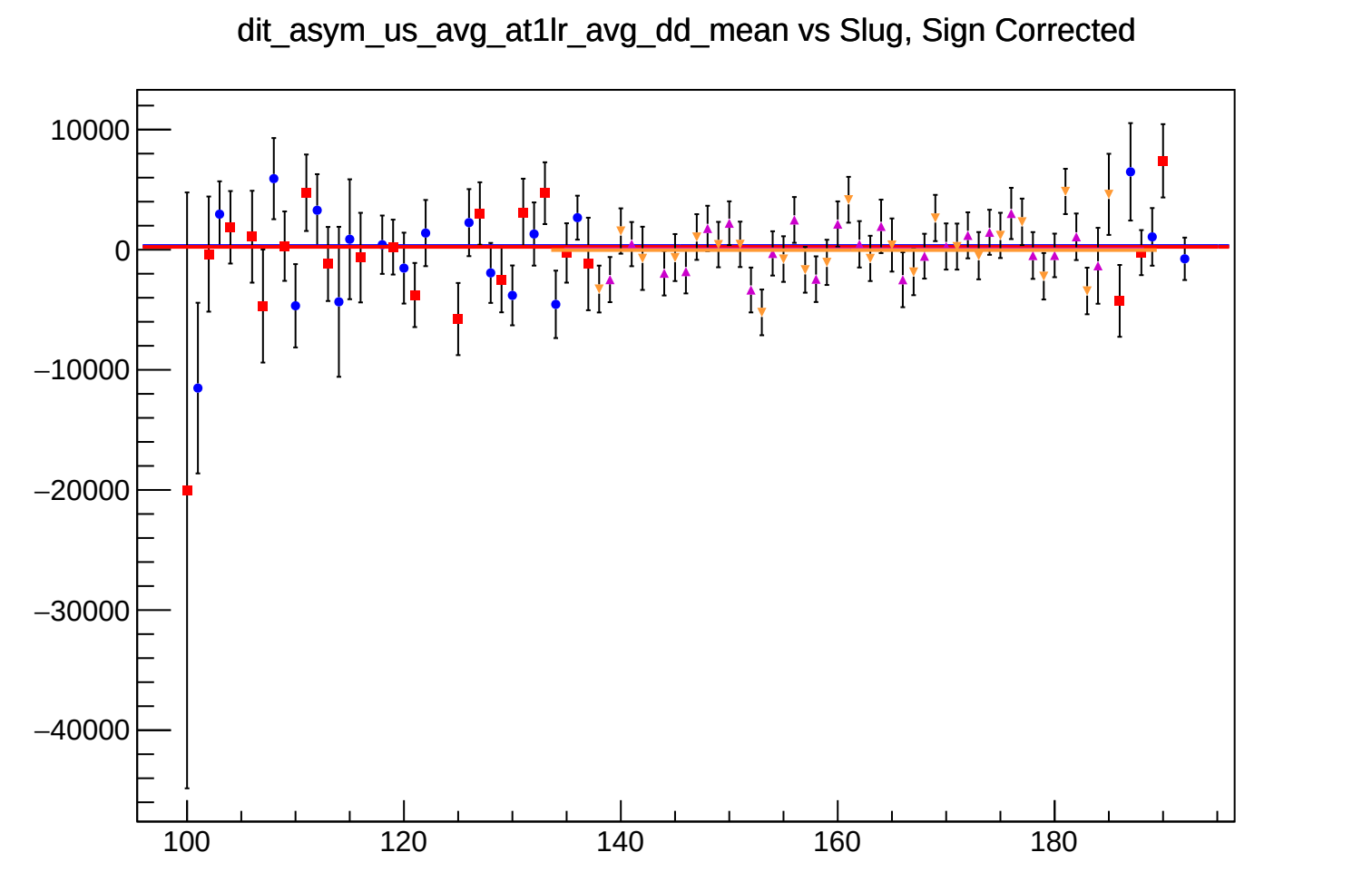
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 585.230+/-0.107 χ^2/NDF: 3592050.9/39

In: 543.657+/-0.083 χ^2/NDF:10561931.3/41

Out: 497.210+/-0.079 χ^2/NDF:13573412.0/44

All: 519.404+/-0.057 χ^2/NDF: 24298454.7/86



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: 233.673+/-645.262 χ^2/NDF: 24.9/20

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

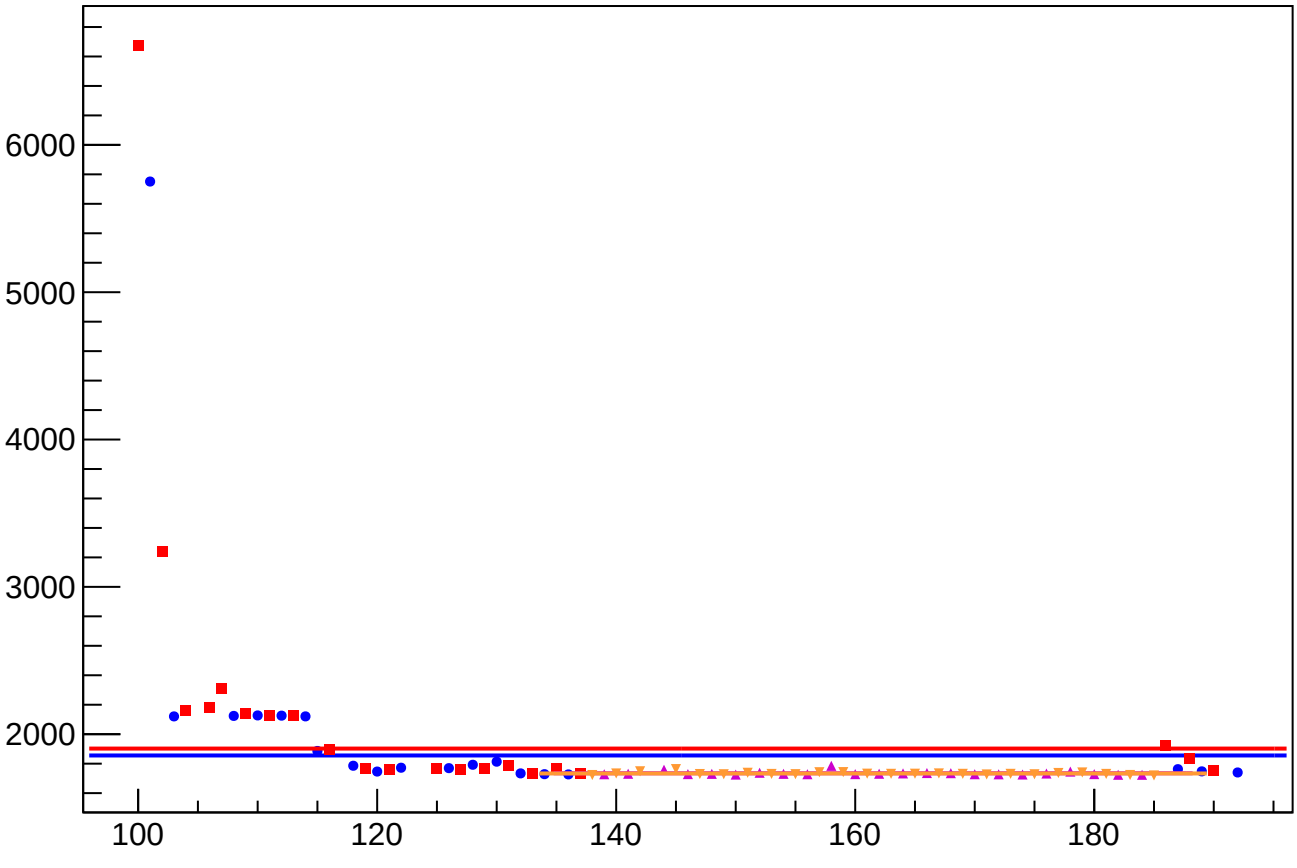
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 273.057+/-452.038 χ^2/NDF: 47.1/39

In: 120.400+/-341.252 χ^2/NDF:42.2/41

Out: 44.249+/-341.395 χ^2/NDF:60.4/44

All: 82.341+/-241.352 χ^2/NDF: 102.7/86



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: 1902.402+/-0.456 χ^2/NDF: 360744.8/20

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

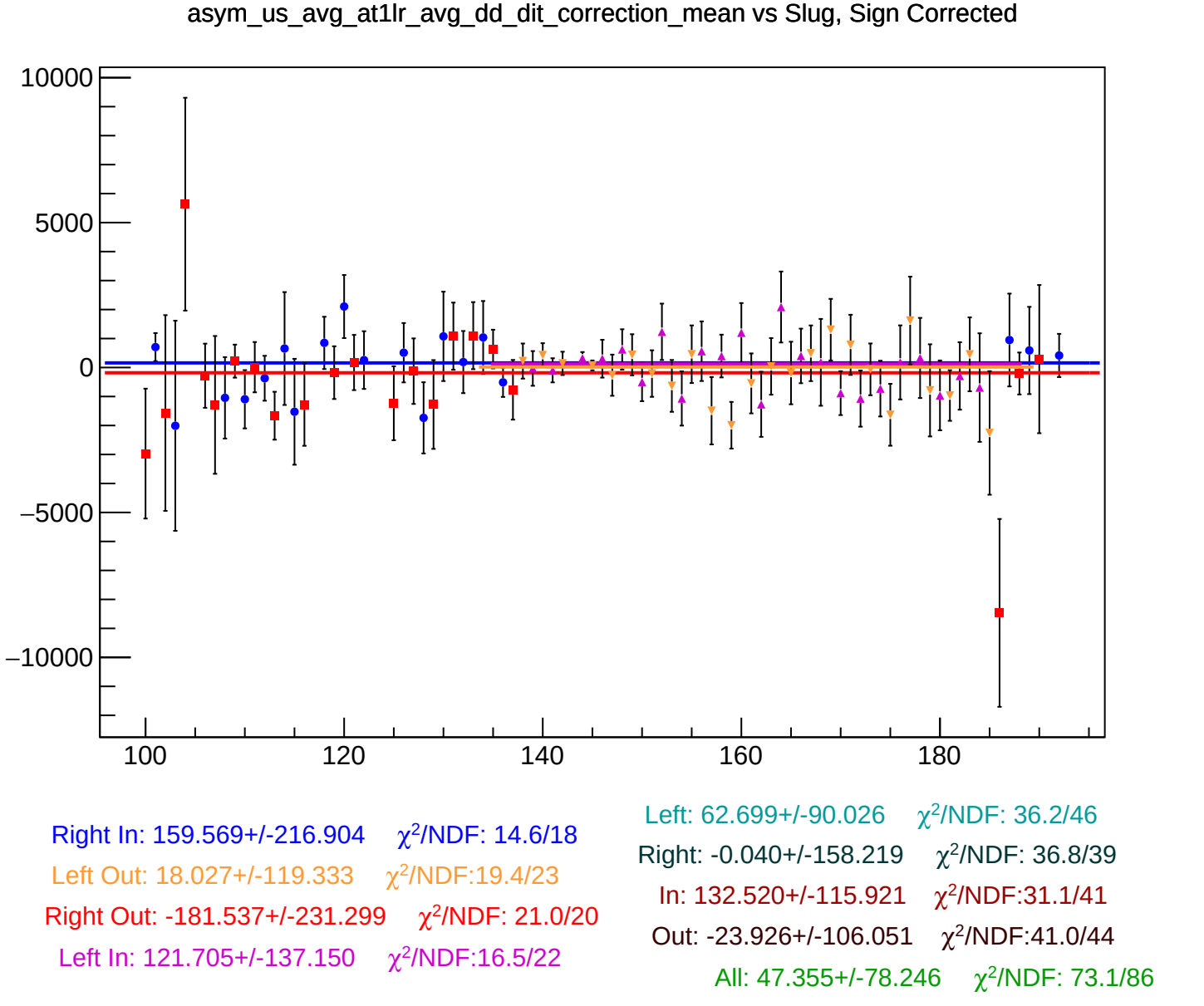
Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

Right: 1878.568+/-0.320 χ^2/NDF: 1073083.4/39

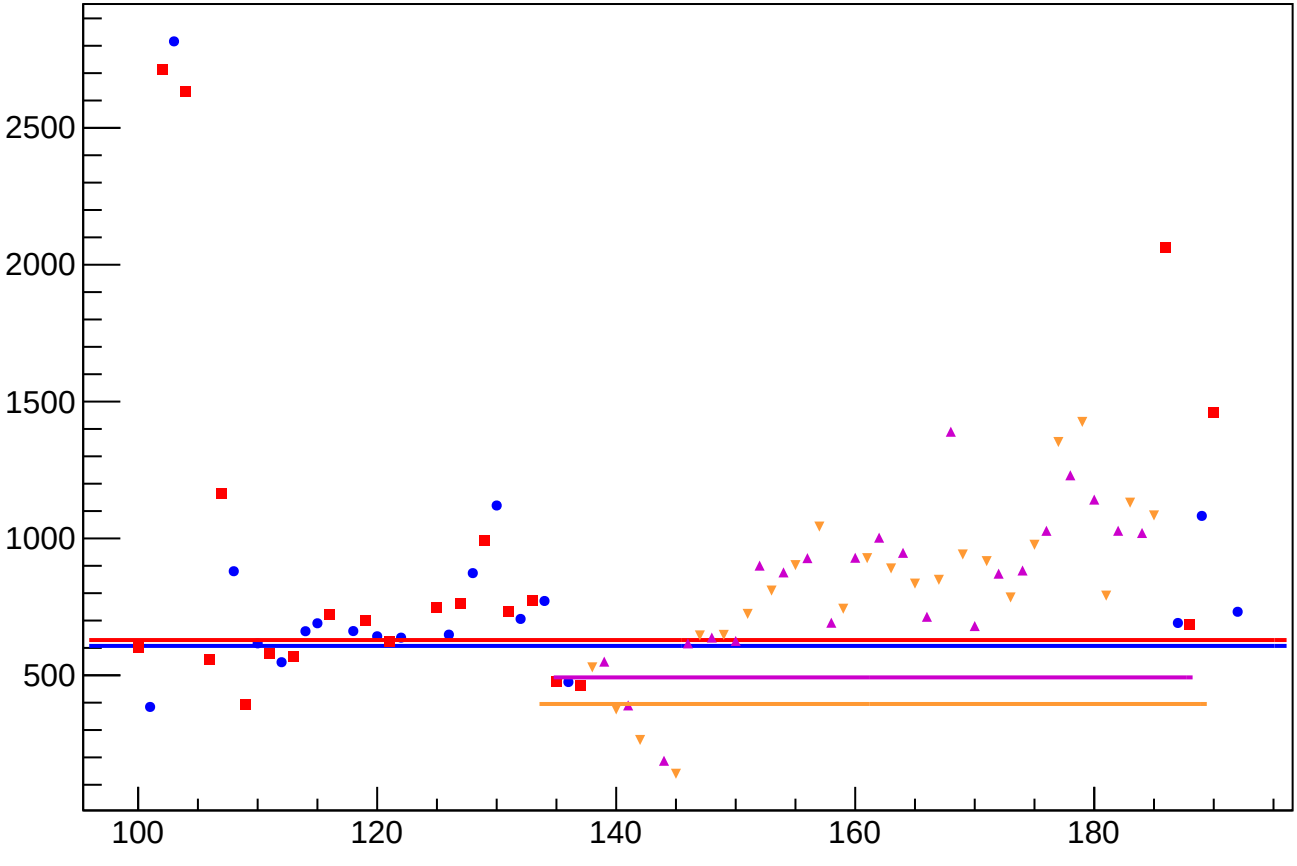
In: 1769.864+/-0.241 χ^2/NDF:760770.0/41

Out: 1780.765+/-0.241 χ^2/NDF:460346.3/44

All: 1775.312+/-0.171 χ^2/NDF: 1222136.2/86


asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: 159.569+/-216.904 χ²/NDF: 14.6/18
Left Out: 18.027+/-119.333 χ²/NDF:19.4/23
Right Out: -181.537+/-231.299 χ²/NDF: 21.0/20
Left In: 121.705+/-137.150 χ²/NDF:16.5/22
Left: 62.699+/-90.026 χ²/NDF: 36.2/46
Right: -0.040+/-158.219 χ²/NDF: 36.8/39
In: 132.520+/-115.921 χ²/NDF:31.1/41
Out: -23.926+/-106.051 χ²/NDF:41.0/44
All: 47.355+/-78.246 χ²/NDF: 73.1/86

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: 628.762+/-0.164 χ^2/NDF: 2830094.4/20

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

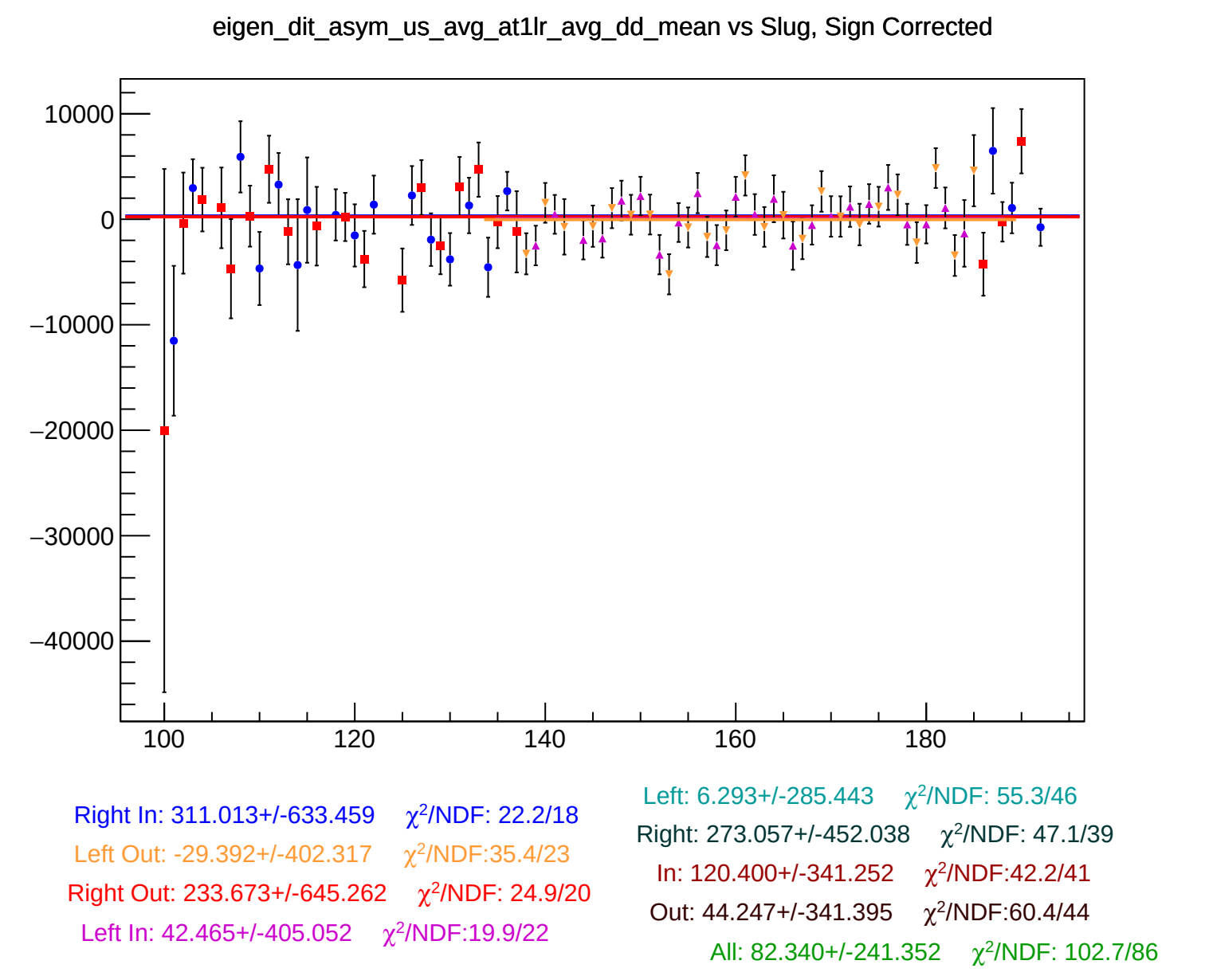
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

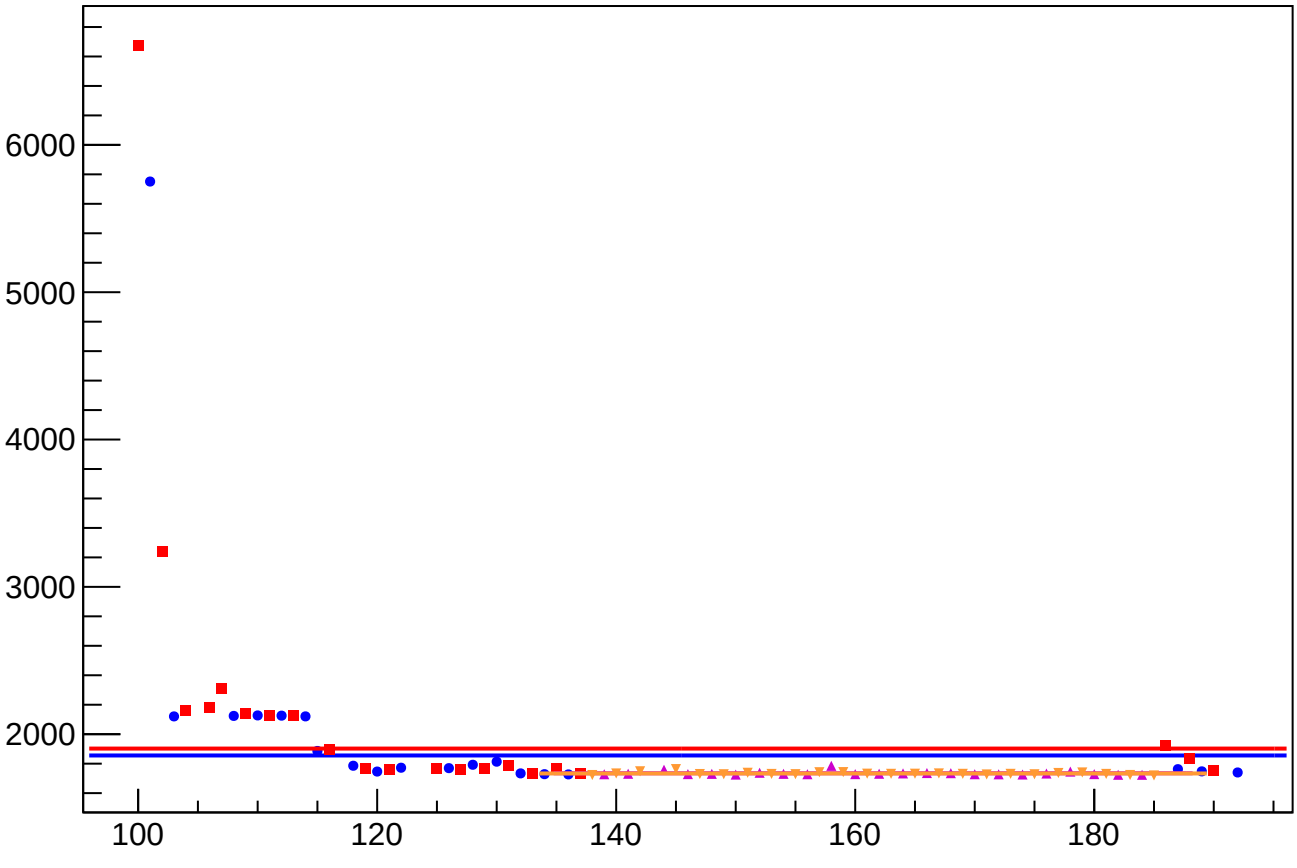
Right: 617.355+/-0.112 χ^2/NDF: 4877528.6/39

In: 525.149+/-0.082 χ^2/NDF:12859619.3/41

Out: 444.290+/-0.075 χ^2/NDF:18775281.6/44

All: 481.131+/-0.055 χ^2/NDF: 32164633.6/86


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: 311.013+/-633.459 χ²/NDF: 22.2/18
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: 233.673+/-645.262 χ²/NDF: 24.9/20
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.293+/-285.443 χ²/NDF: 55.3/46
Right: 273.057+/-452.038 χ²/NDF: 47.1/39
In: 120.400+/-341.252 χ²/NDF:42.2/41
Out: 44.247+/-341.395 χ²/NDF:60.4/44
All: 82.340+/-241.352 χ²/NDF: 102.7/86



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: 1902.402+/-0.456 χ^2/NDF: 360744.1/20

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

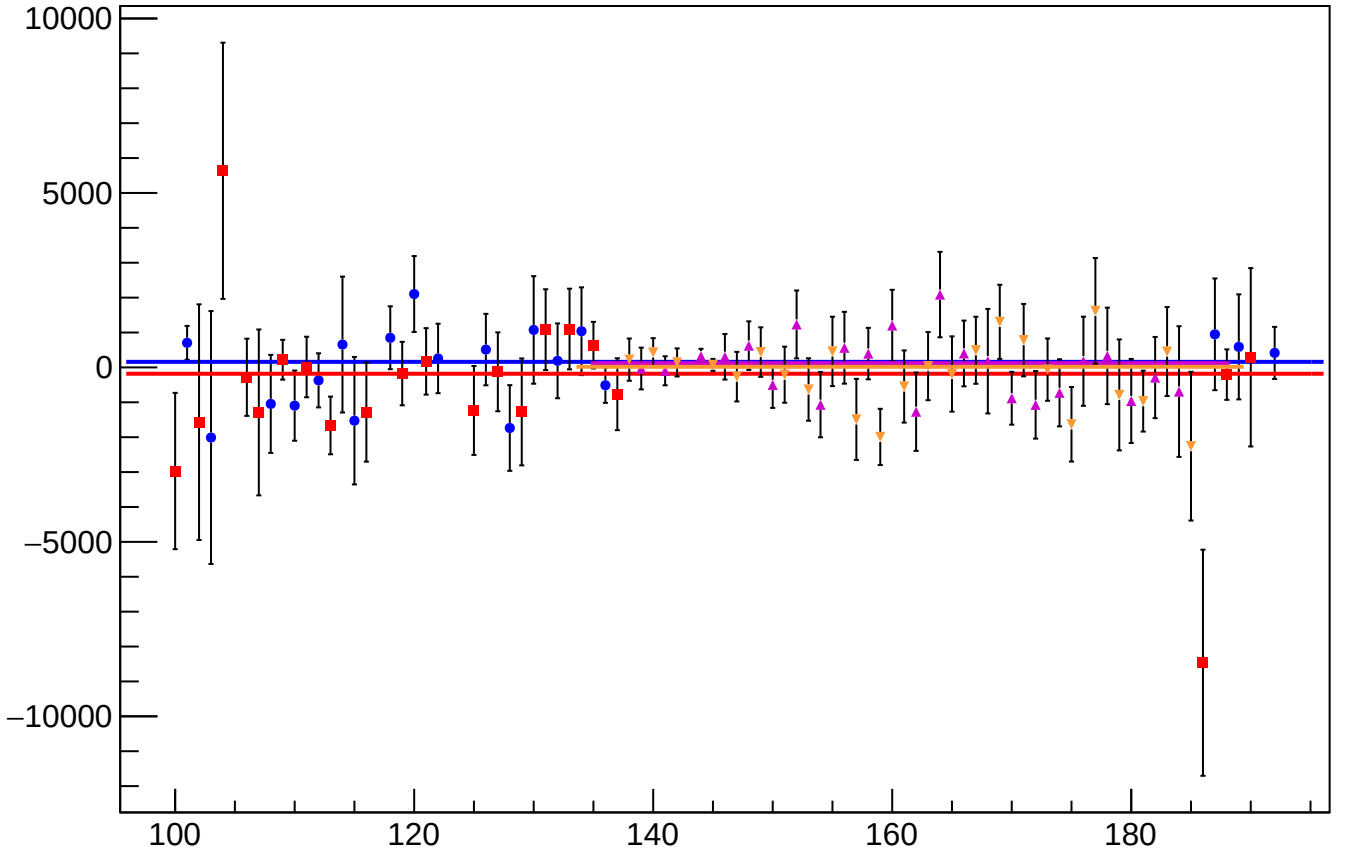
Right: 1878.568+/-0.320 χ^2/NDF: 1073082.3/39

In: 1769.864+/-0.241 χ^2/NDF:760769.6/41

Out: 1780.765+/-0.241 χ^2/NDF:460345.4/44

All: 1775.312+/-0.171 χ^2/NDF: 1222135.0/86

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: -181.536+/-231.298 χ^2/NDF: 21.0/20

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

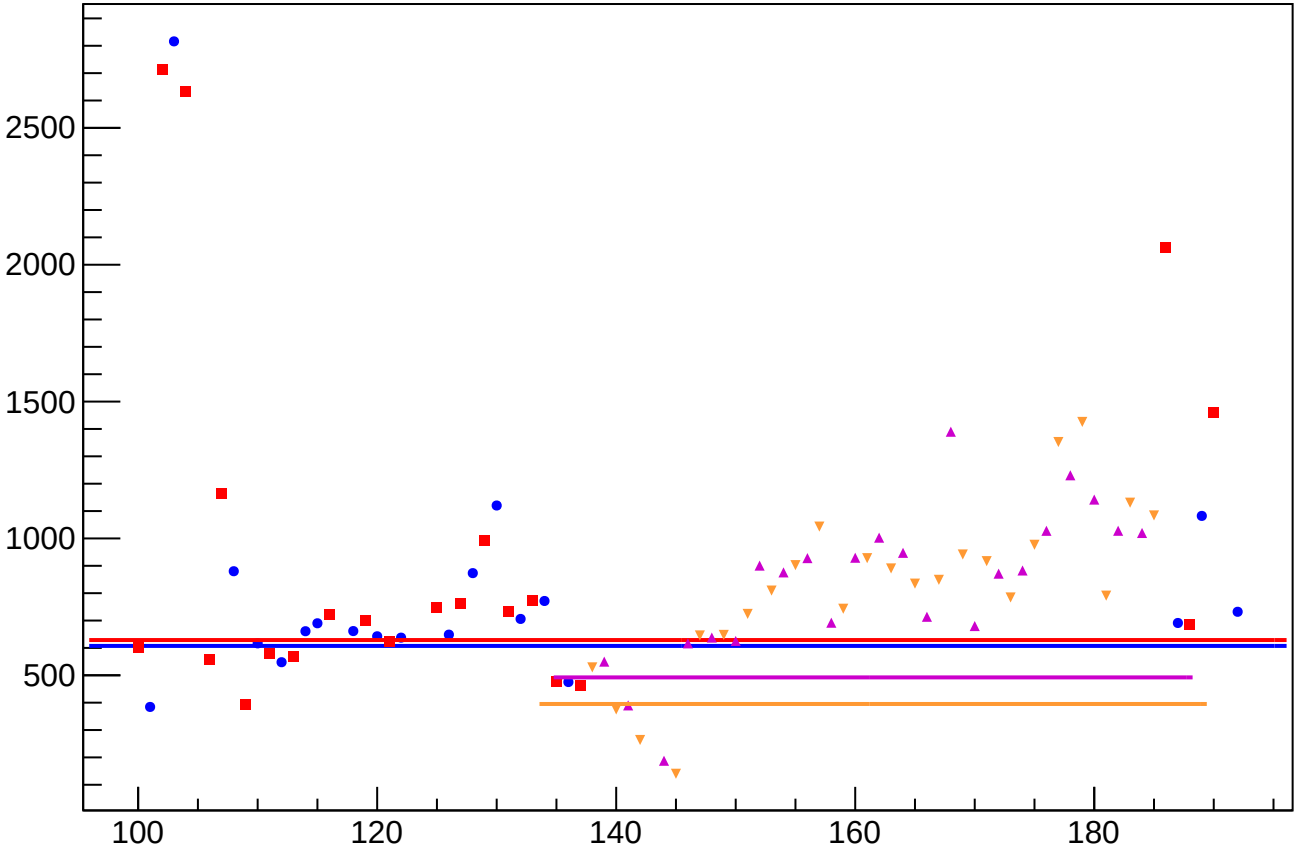
Right: -0.041+/-158.218 χ^2/NDF: 36.8/39

In: 132.519+/-115.921 χ^2/NDF:31.1/41

Out: -23.927+/-106.051 χ^2/NDF:41.0/44

All: 47.354+/-78.246 χ^2/NDF: 73.1/86

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 628.758+/-0.164 χ^2/NDF: 2830113.4/20

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

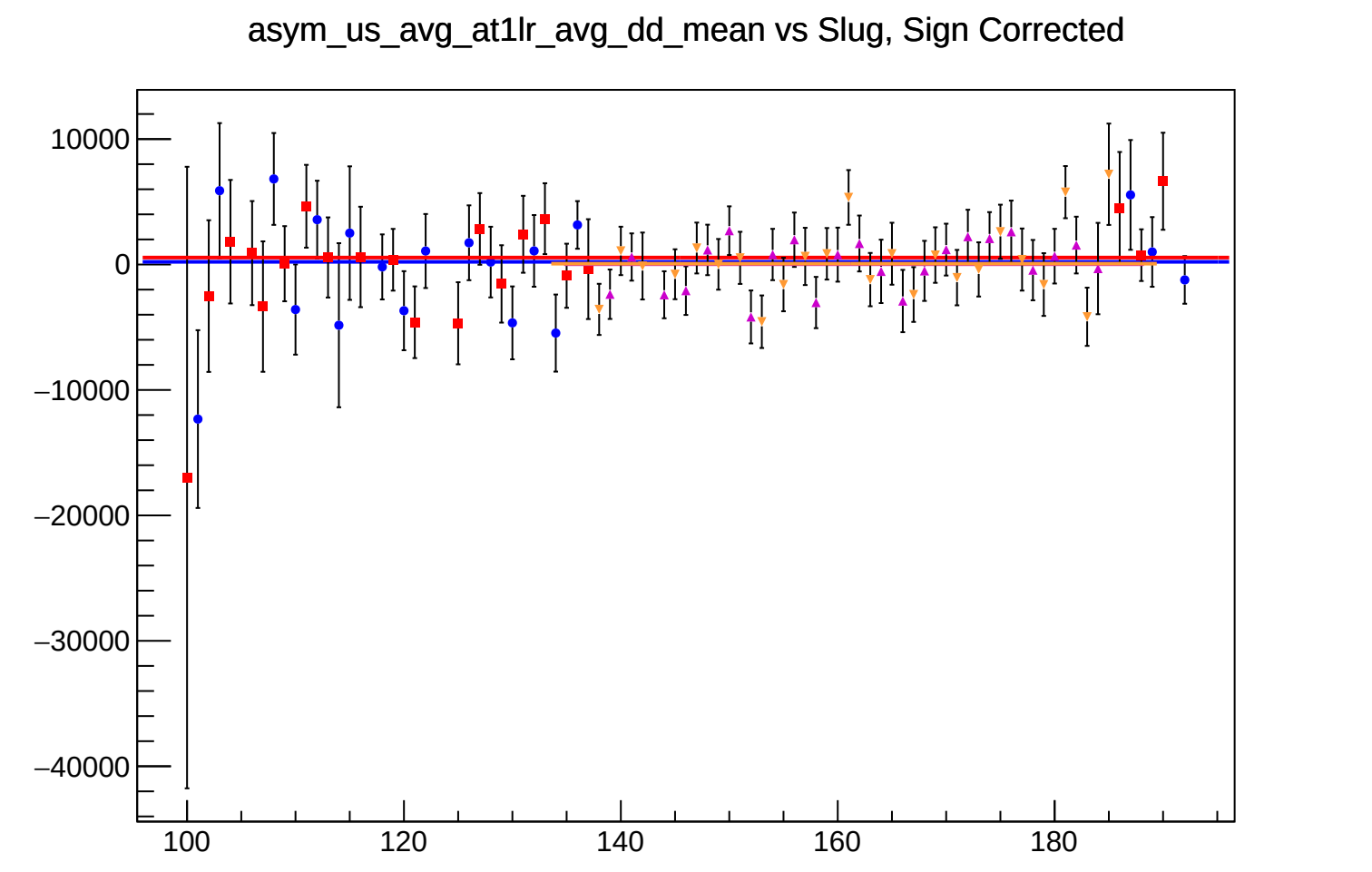
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 617.352+/-0.112 χ^2/NDF: 4877531.9/39

In: 525.149+/-0.082 χ^2/NDF:12859610.8/41

Out: 444.290+/-0.075 χ^2/NDF:18775304.7/44

All: 481.131+/-0.055 χ^2/NDF: 32164653.9/86



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: 555.421+/-718.476 χ^2/NDF: 15.1/20

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

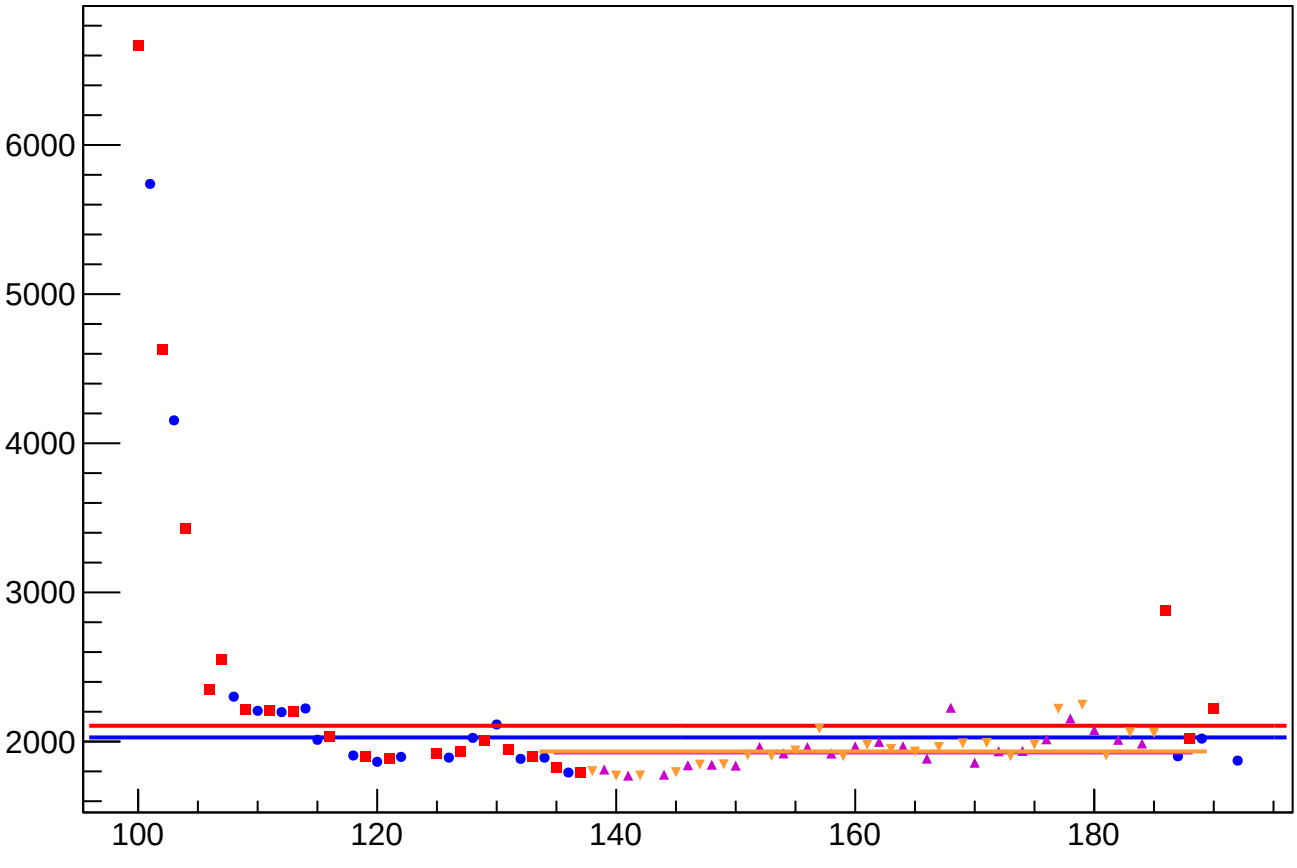
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 379.307+/-500.523 χ^2/NDF: 38.5/39

In: 80.842+/-378.609 χ^2/NDF:43.3/41

Out: 204.262+/-381.220 χ^2/NDF:49.0/44

All: 142.128+/-268.635 χ^2/NDF: 92.4/86



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: 2105.930+/-0.508 χ^2/NDF: 747290.6/20

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

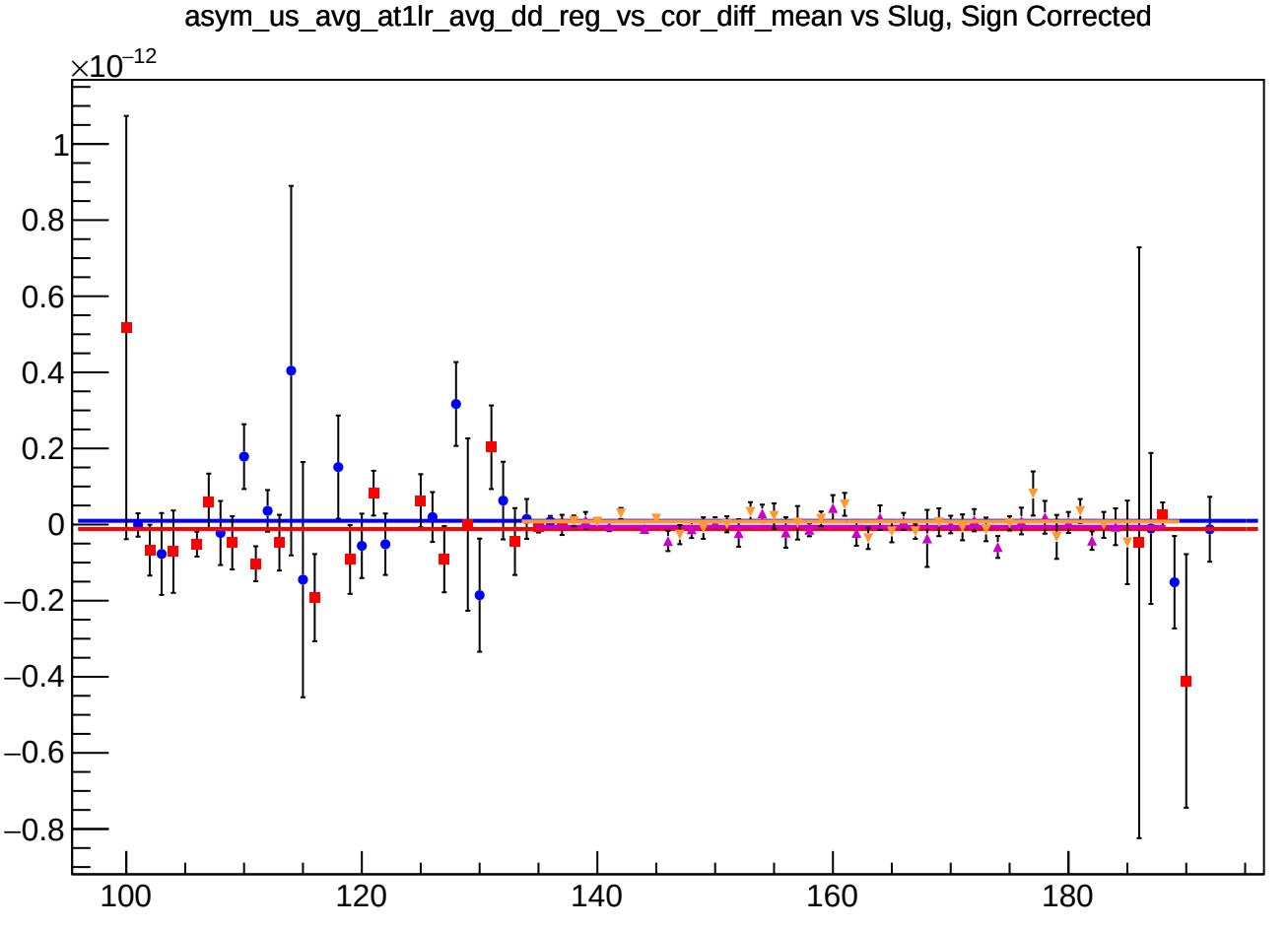
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

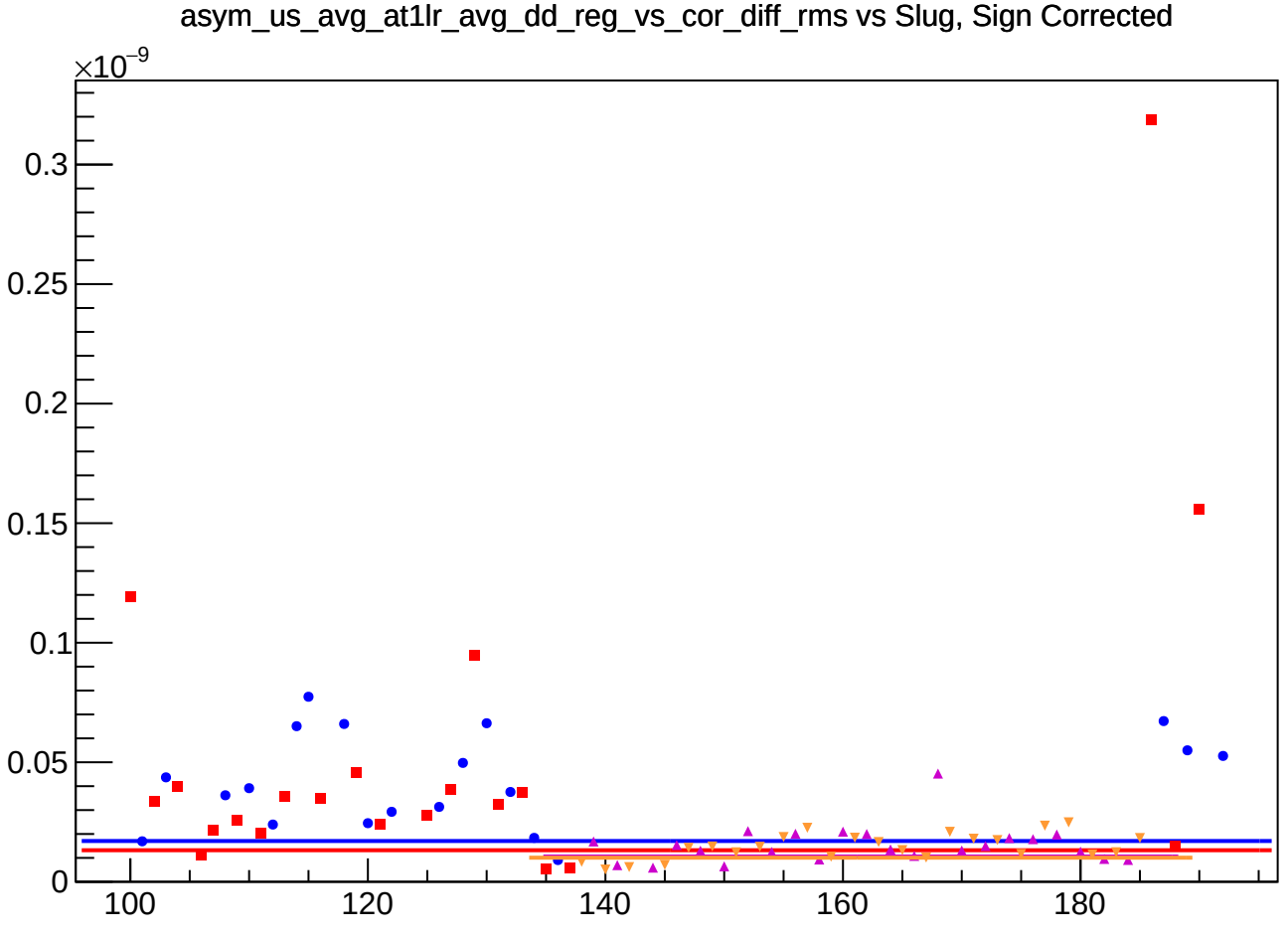
Right: 2065.667+/-0.354 χ^2/NDF: 1717679.8/39

In: 1956.744+/-0.268 χ^2/NDF:1103945.7/41

Out: 1982.263+/-0.270 χ^2/NDF:958293.9/44

All: 1969.416+/-0.190 χ^2/NDF: 2066751.4/86


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: 23.7/20
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: 45.6/39
In: -0.000+/-0.000 χ²/NDF:38.2/41
Out: 0.000+/-0.000 χ²/NDF:44.3/44
All: 0.000+/-0.000 χ²/NDF: 84.7/86



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: 3172177.7/20

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

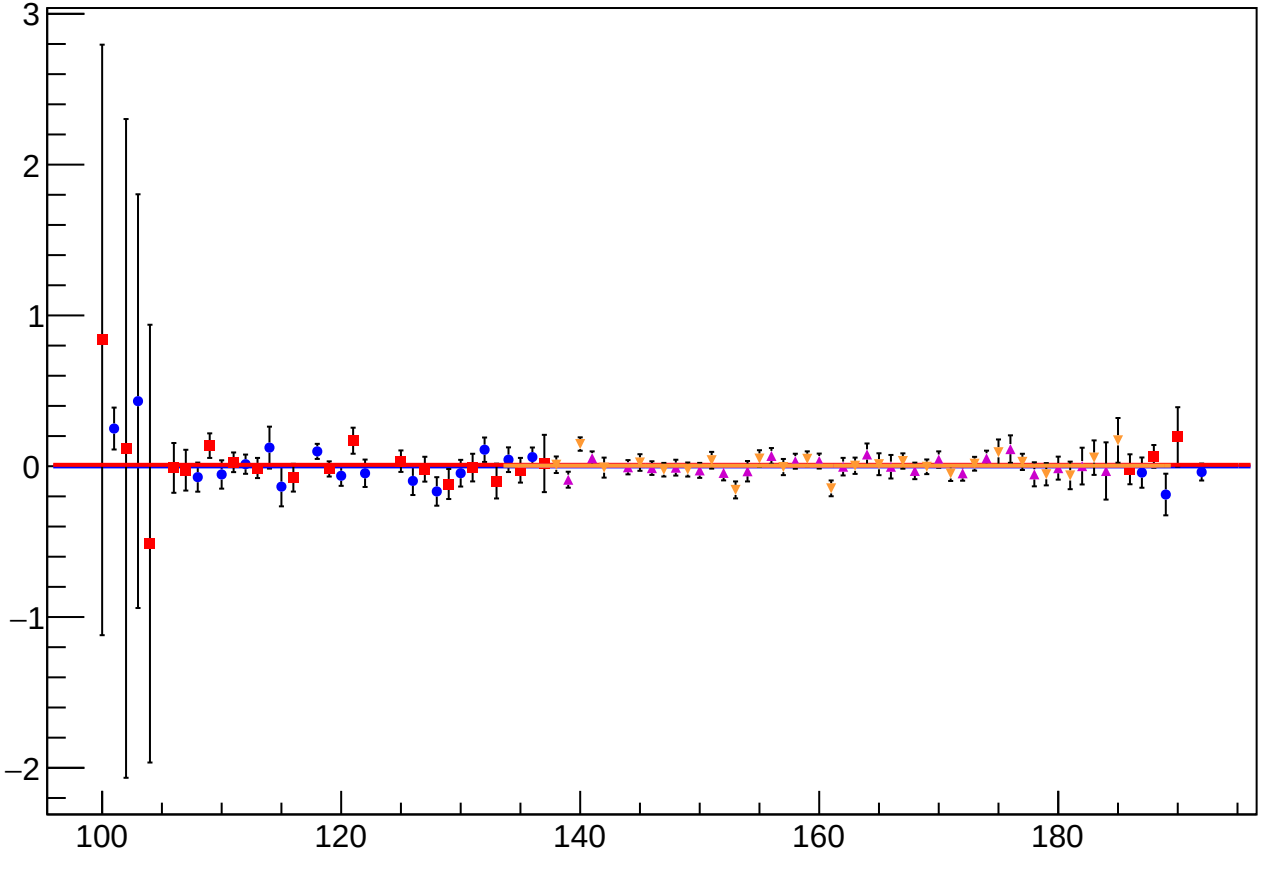
Right: 0.000+/-0.000 χ^2/NDF: 5927132.6/39

In: 0.000+/-0.000 χ^2/NDF:5763155.7/41

Out: 0.000+/-0.000 χ^2/NDF:5607427.9/44

All: 0.000+/-0.000 χ^2/NDF: 11417782.3/86

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+/-0.020 χ^2/NDF: 12.1/20

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

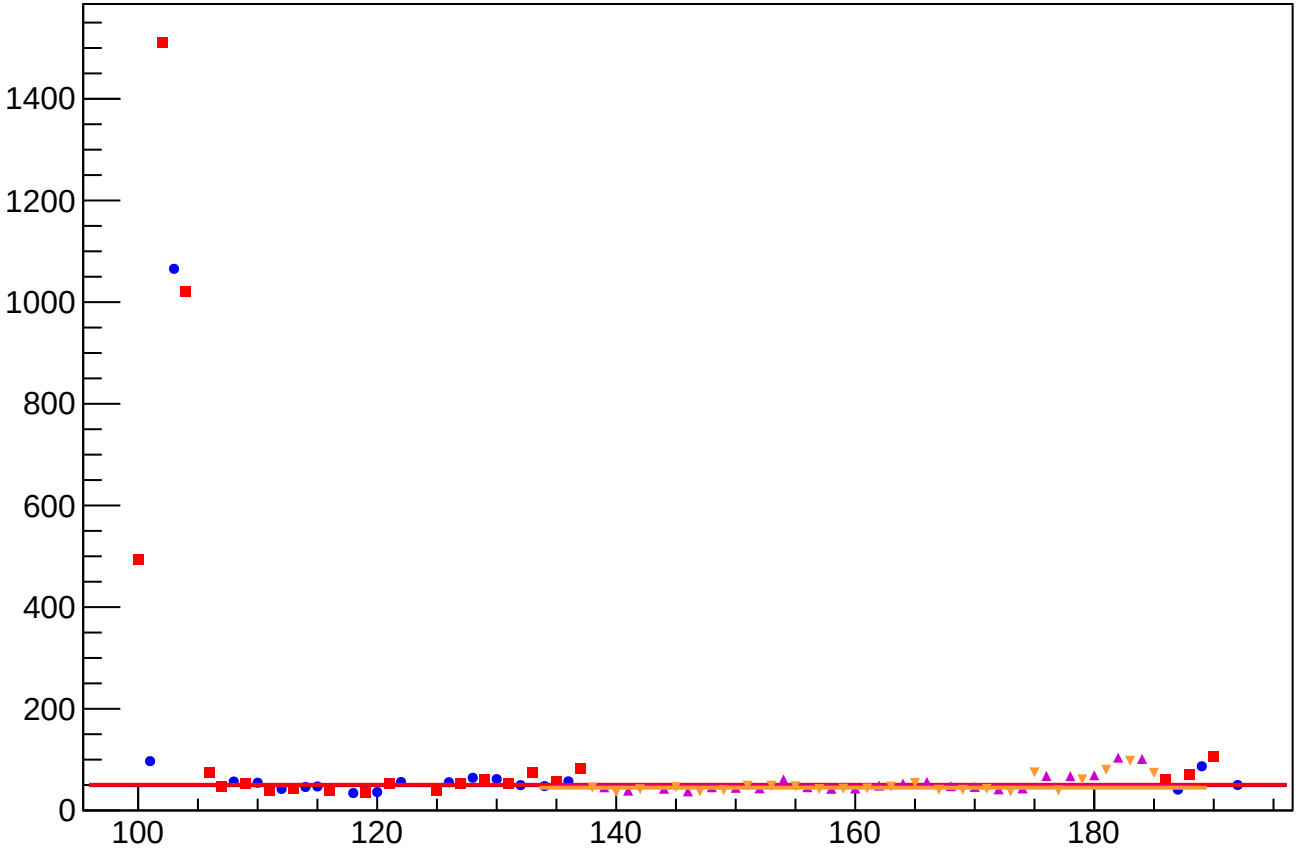
Right: 0.004+/-0.014 χ^2/NDF: 33.4/39

In: 0.002+/-0.010 χ^2/NDF:35.7/41

Out: 0.005+/-0.010 χ^2/NDF:47.2/44

All: 0.003+/-0.007 χ^2/NDF: 82.9/86

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: 50.434+/-0.014 χ^2/NDF: 2781697.7/20

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

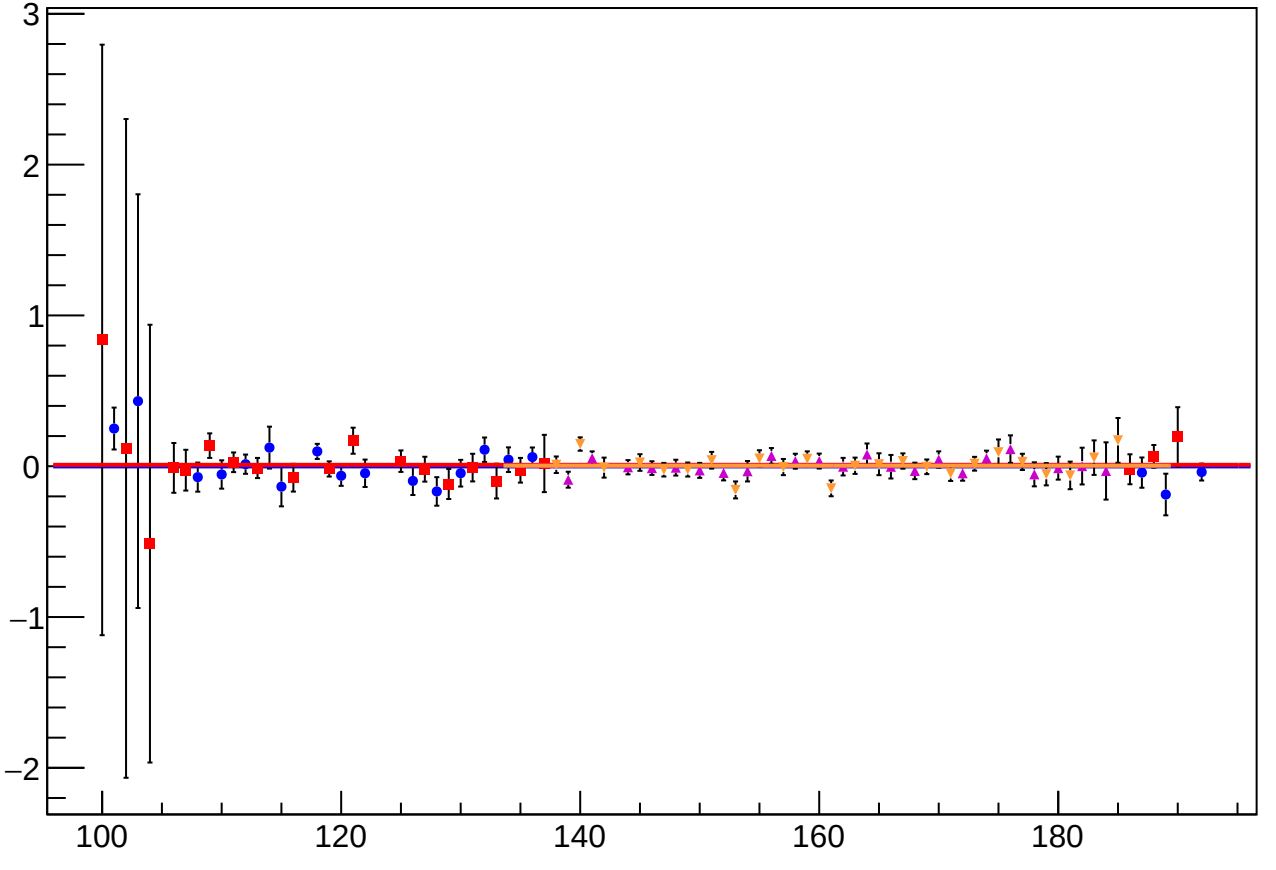
Right: 50.117+/-0.010 χ^2/NDF: 4720718.5/39

In: 47.820+/-0.007 χ^2/NDF:3352023.3/41

Out: 46.138+/-0.007 χ^2/NDF:4384117.1/44

All: 46.968+/-0.005 χ^2/NDF: 7764126.8/86

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+/-0.020 χ^2/NDF: 12.1/20

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

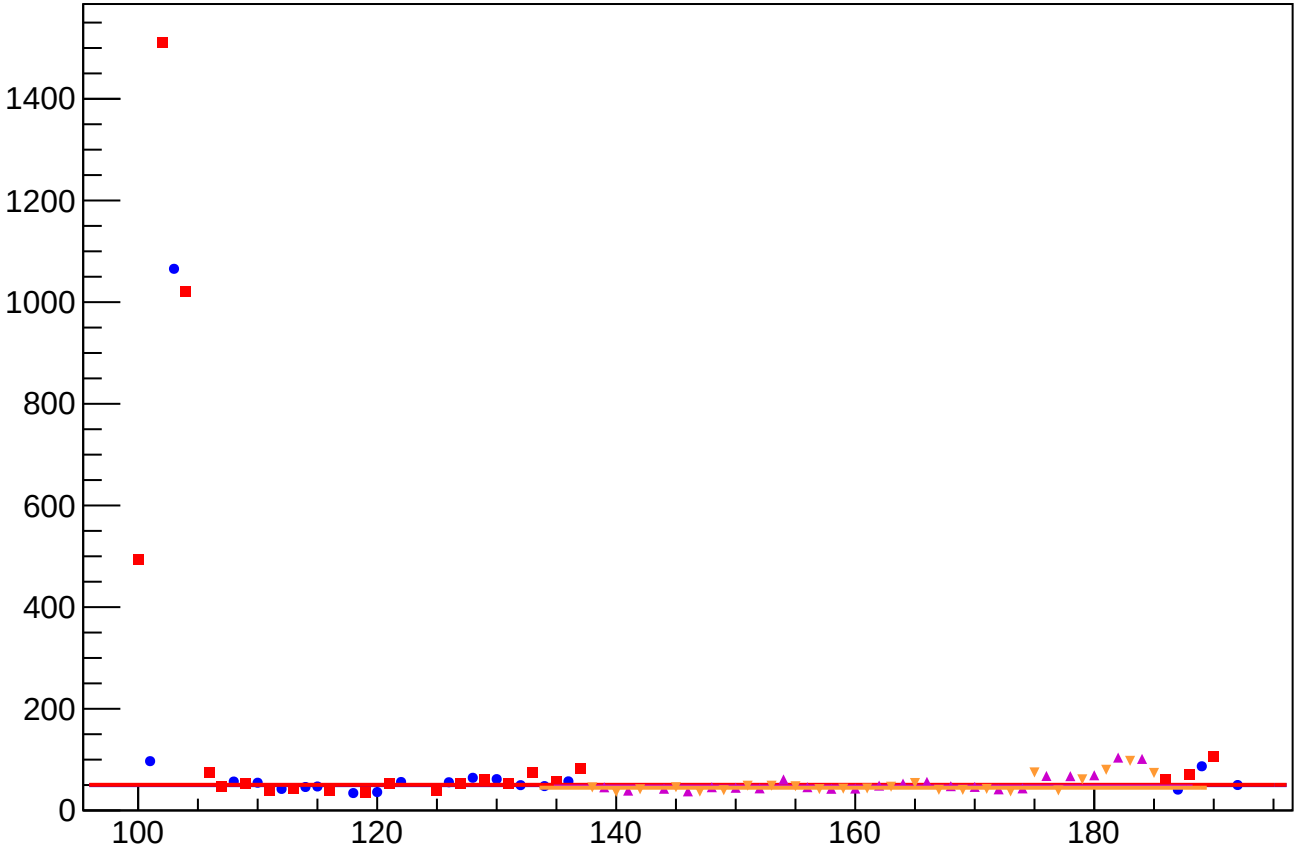
Right: 0.004+/-0.014 χ^2/NDF: 33.4/39

In: 0.002+/-0.010 χ^2/NDF:35.7/41

Out: 0.005+/-0.010 χ^2/NDF:47.2/44

All: 0.003+/-0.007 χ^2/NDF: 82.9/86

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: 50.434+/-0.014 χ^2/NDF: 2781697.7/20

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

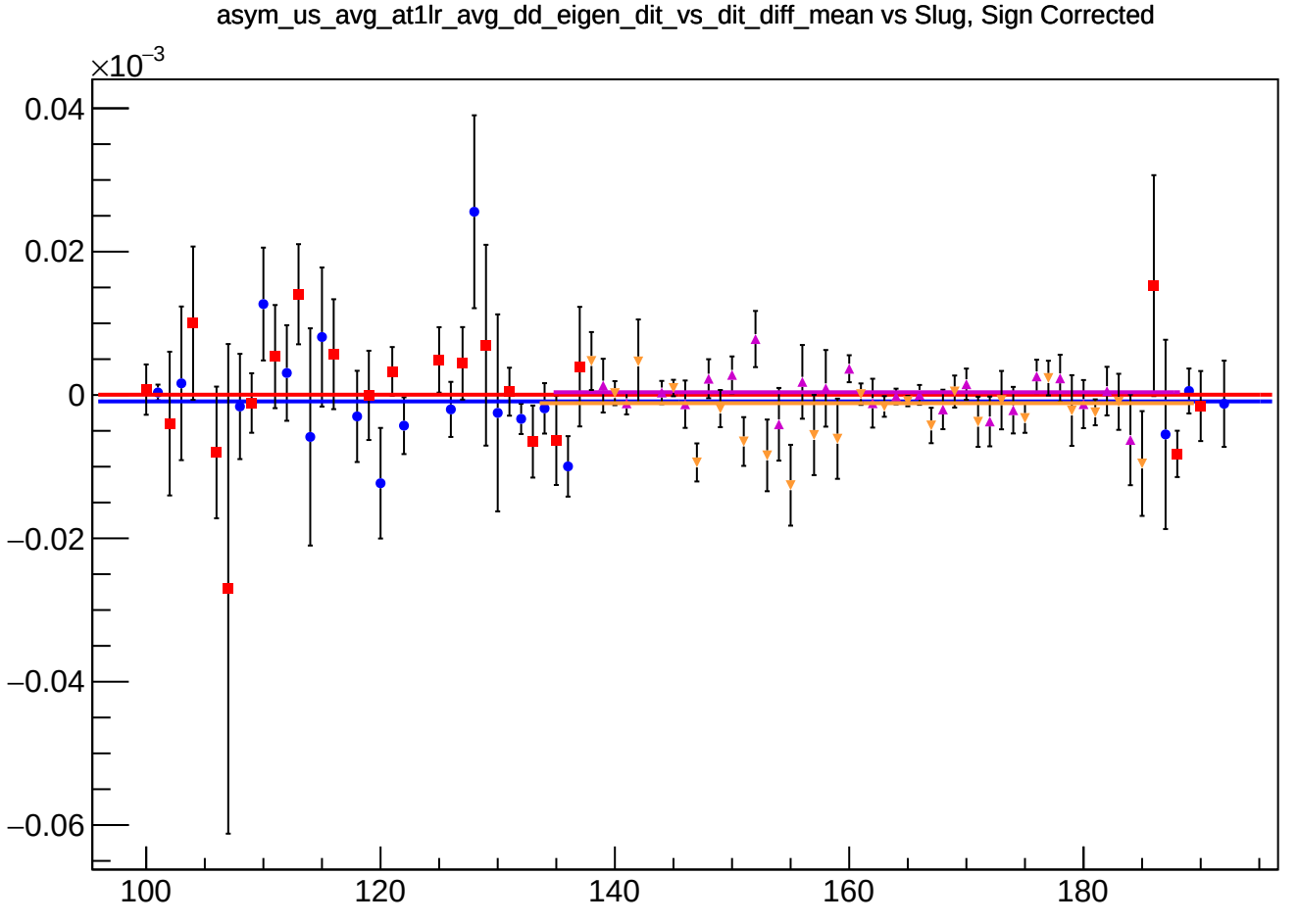
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 50.117+/-0.010 χ^2/NDF: 4720718.5/39

In: 47.820+/-0.007 χ^2/NDF:3352023.3/41

Out: 46.138+/-0.007 χ^2/NDF:4384117.1/44

All: 46.968+/-0.005 χ^2/NDF: 7764126.8/86



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: 21.3/20

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

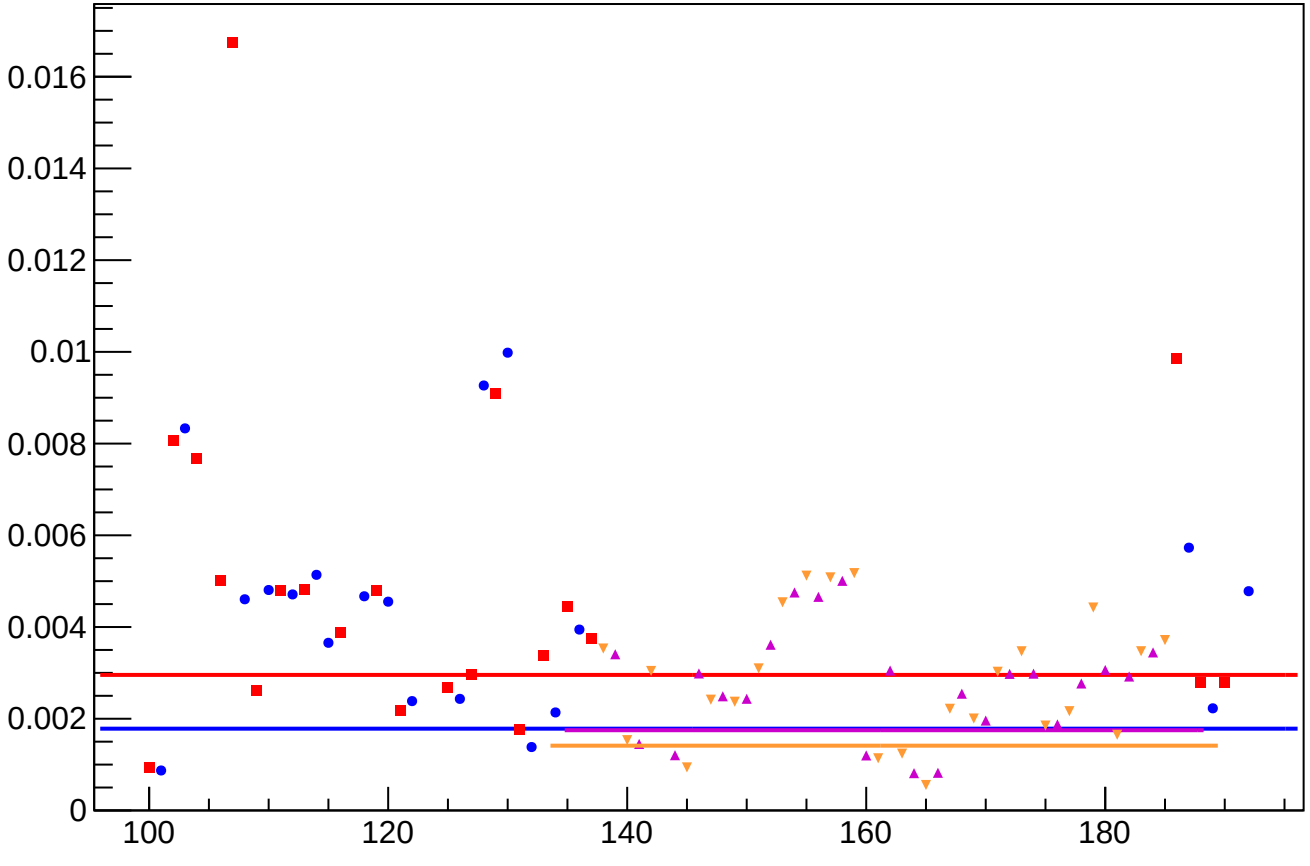
Right: -0.000+/-0.000 χ^2/NDF: 40.7/39

In: 0.000+/-0.000 χ^2/NDF:37.2/41

Out: -0.000+/-0.000 χ^2/NDF:58.0/44

All: -0.000+/-0.000 χ^2/NDF: 98.5/86

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: 3787464.4/20

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

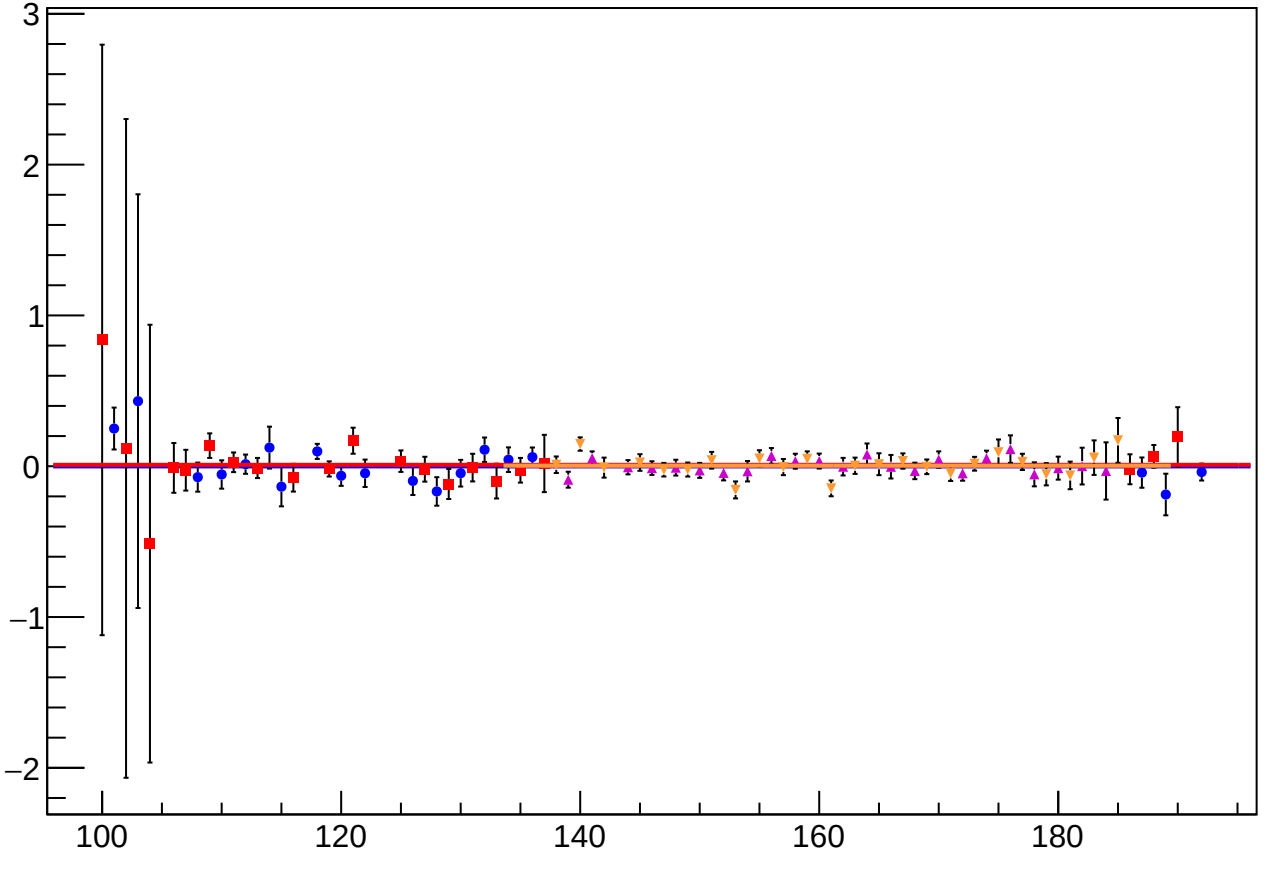
Right: 0.002+/-0.000 χ^2/NDF: 11885676.1/39

In: 0.002+/-0.000 χ^2/NDF:14948418.3/41

Out: 0.002+/-0.000 χ^2/NDF:18520502.0/44

All: 0.002+/-0.000 χ^2/NDF: 33658145.5/86

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+/-0.020 χ^2/NDF: 12.1/20

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

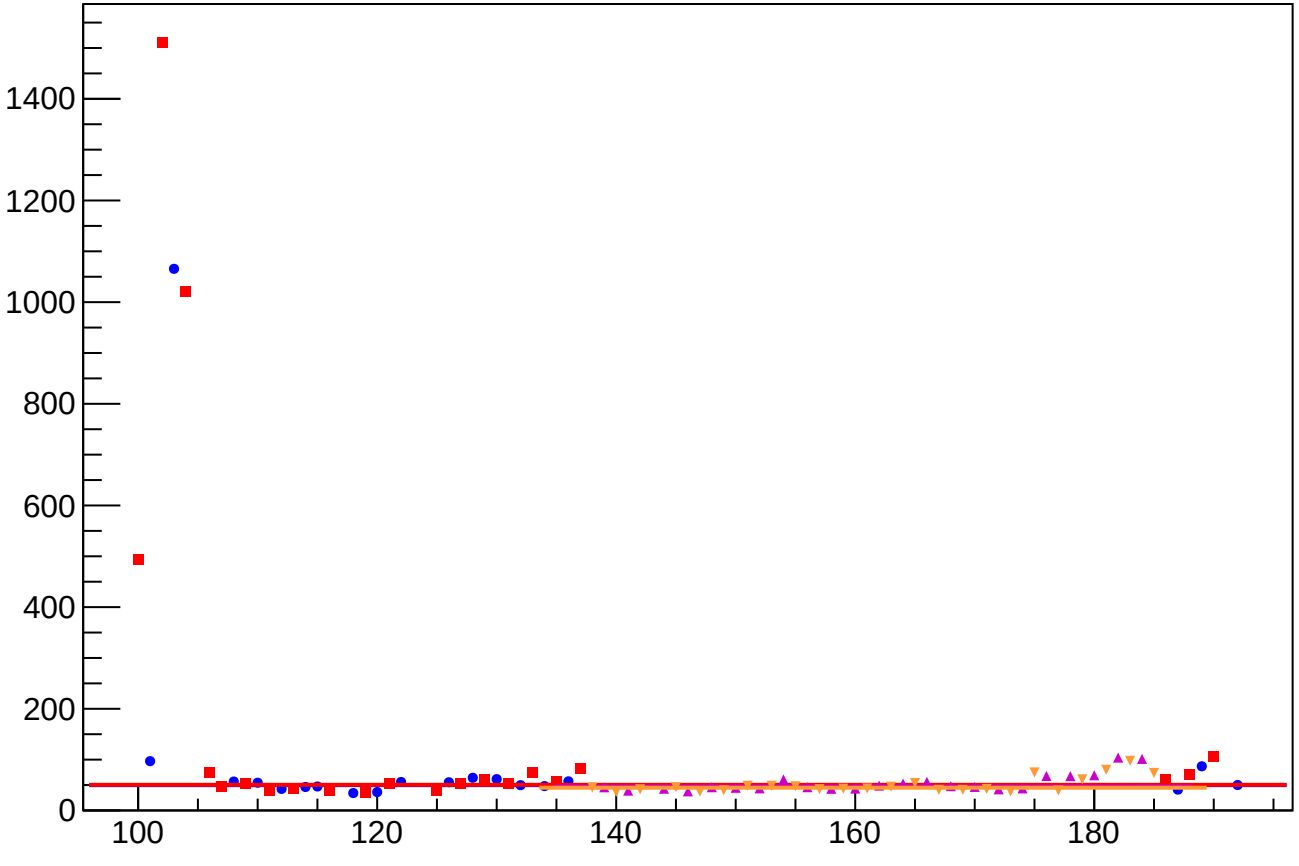
Right: 0.004+/-0.014 χ^2/NDF: 33.4/39

In: 0.002+/-0.010 χ^2/NDF:35.7/41

Out: 0.005+/-0.010 χ^2/NDF:47.2/44

All: 0.003+/-0.007 χ^2/NDF: 82.9/86

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: 50.433+/-0.014 χ^2/NDF: 2781744.7/20

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

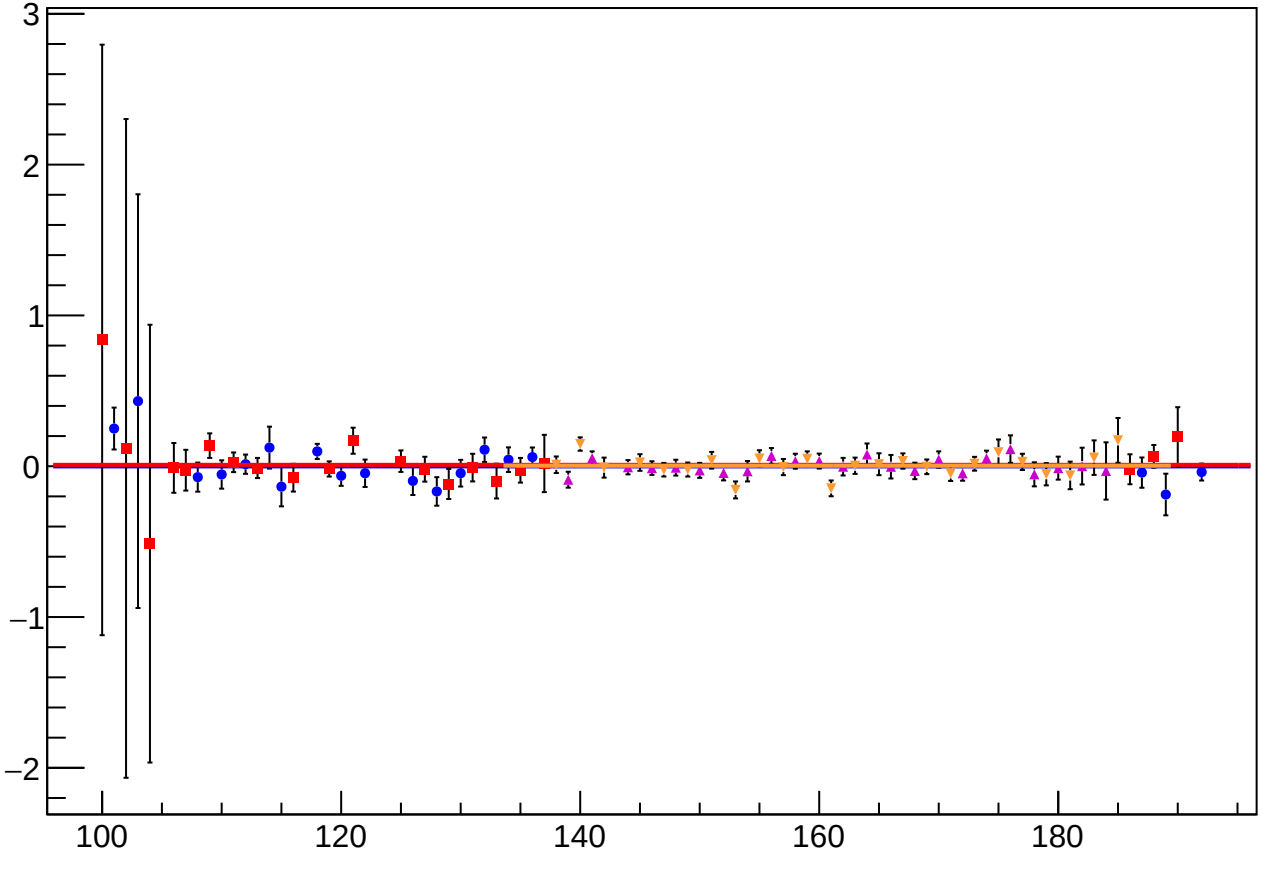
Right: 50.116+/-0.010 χ^2/NDF: 4720683.4/39

In: 47.820+/-0.007 χ^2/NDF:3352011.5/41

Out: 46.138+/-0.007 χ^2/NDF:4384122.0/44

All: 46.968+/-0.005 χ^2/NDF: 7764113.2/86

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+/-0.020 χ^2/NDF: 12.1/20

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

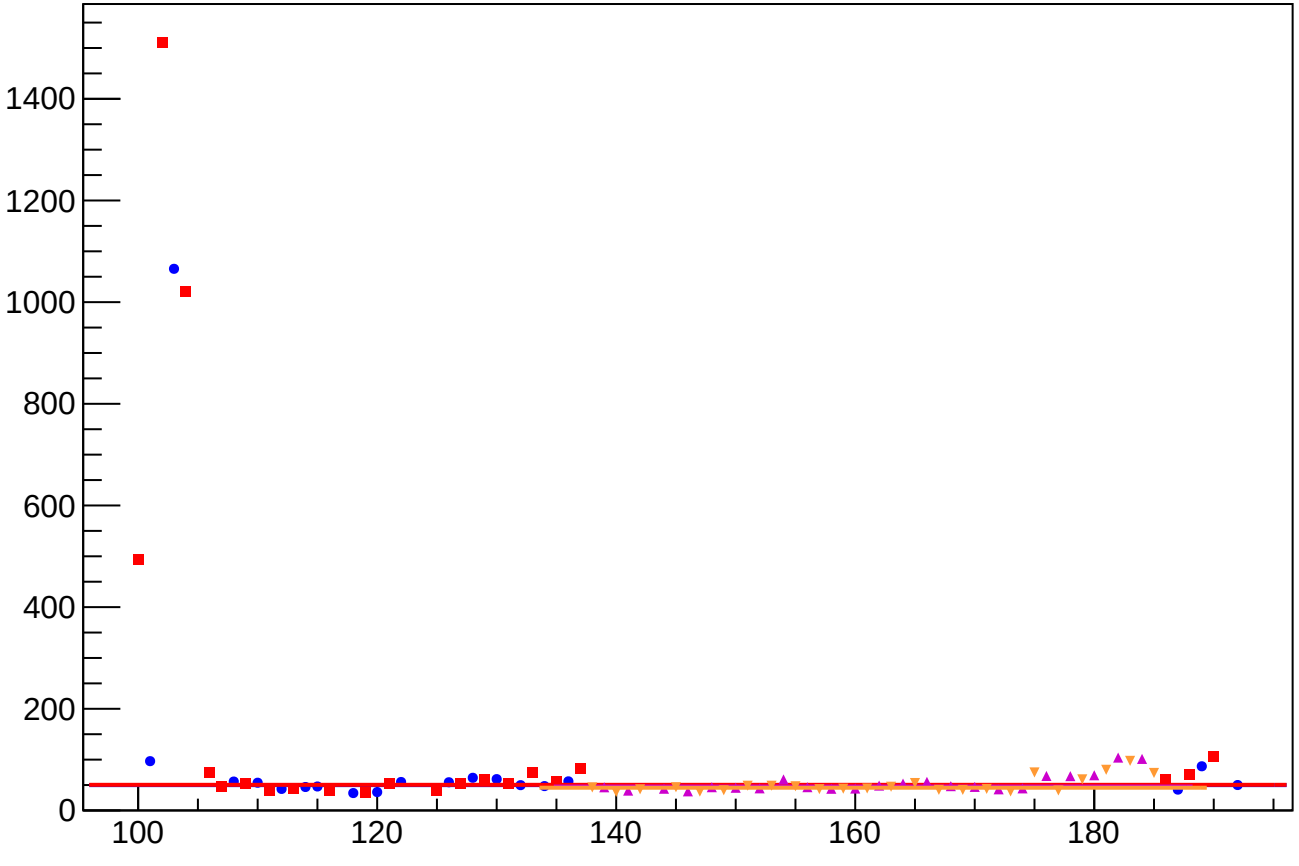
Right: 0.004+/-0.014 χ^2/NDF: 33.4/39

In: 0.002+/-0.010 χ^2/NDF:35.7/41

Out: 0.005+/-0.010 χ^2/NDF:47.2/44

All: 0.003+/-0.007 χ^2/NDF: 82.9/86

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: 50.433+/-0.014 χ^2/NDF: 2781744.7/20

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

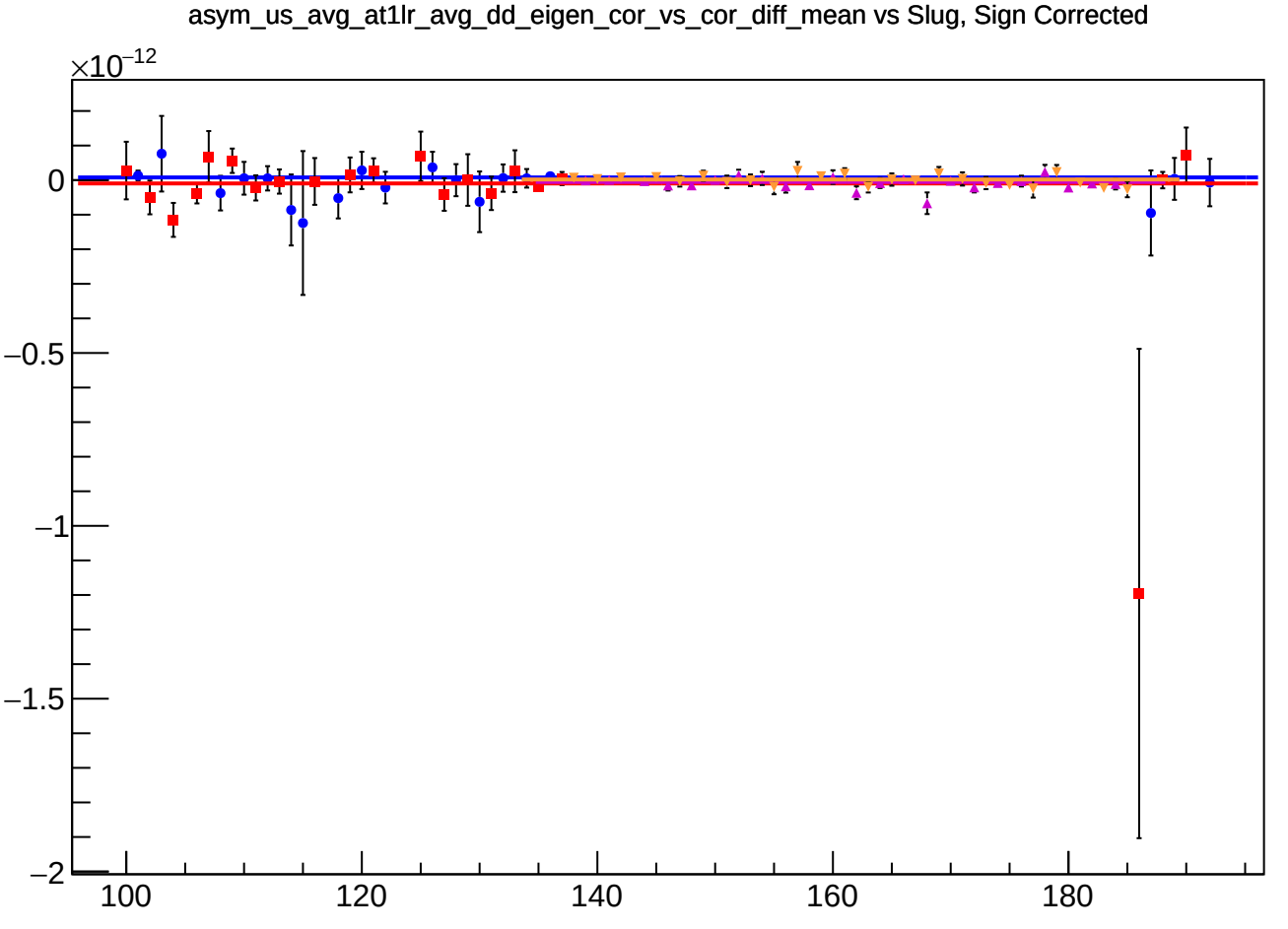
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 50.116+/-0.010 χ^2/NDF: 4720683.4/39

In: 47.820+/-0.007 χ^2/NDF:3352011.5/41

Out: 46.138+/-0.007 χ^2/NDF:4384122.0/44

All: 46.968+/-0.005 χ^2/NDF: 7764113.2/86



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: 20.3/20

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

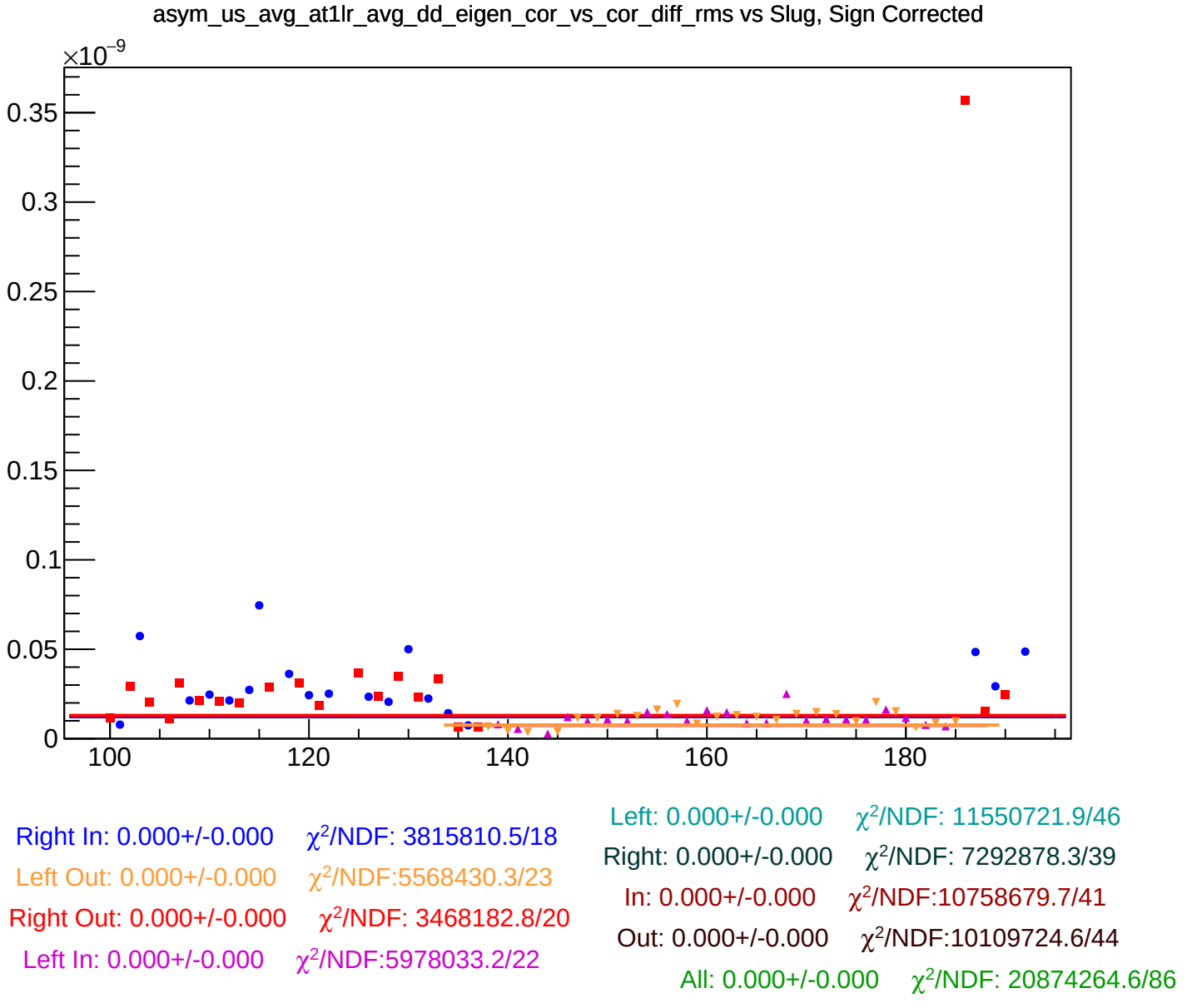
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

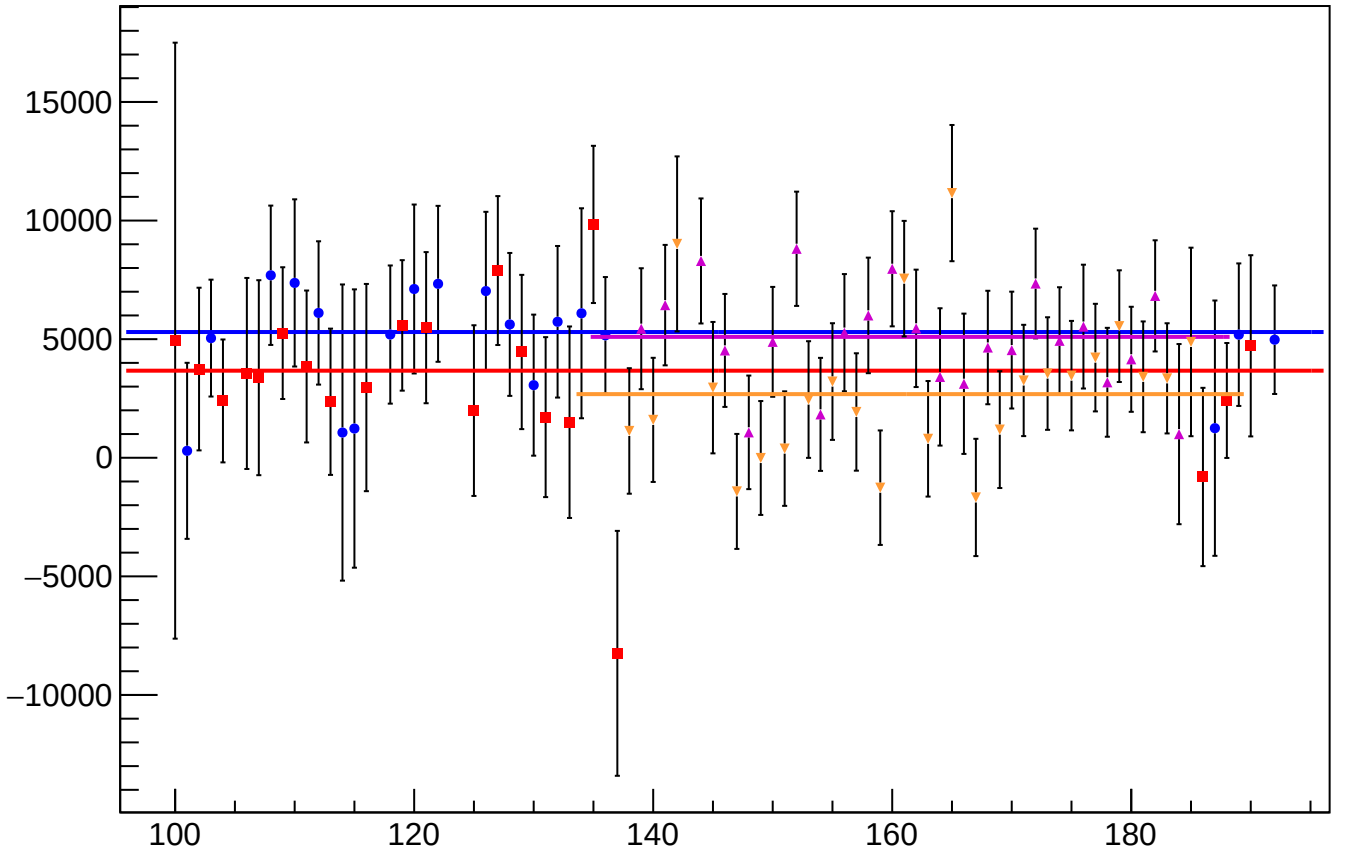
Right: -0.000+/-0.000 χ^2/NDF: 29.8/39

In: -0.000+/-0.000 χ^2/NDF:27.5/41

Out: 0.000+/-0.000 χ^2/NDF:43.3/44

All: -0.000+/-0.000 χ^2/NDF: 72.5/86


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3815810.5/18
Left Out: 0.000+/-0.000 χ²/NDF:5568430.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 3468182.8/20
Left In: 0.000+/-0.000 χ²/NDF:5978033.2/22
Left: 0.000+/-0.000 χ²/NDF: 11550721.9/46
Right: 0.000+/-0.000 χ²/NDF: 7292878.3/39
In: 0.000+/-0.000 χ²/NDF:10758679.7/41
Out: 0.000+/-0.000 χ²/NDF:10109724.6/44
All: 0.000+/-0.000 χ²/NDF: 20874264.6/86



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: 3671.125+/-737.713 χ^2/NDF: 14.9/20

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

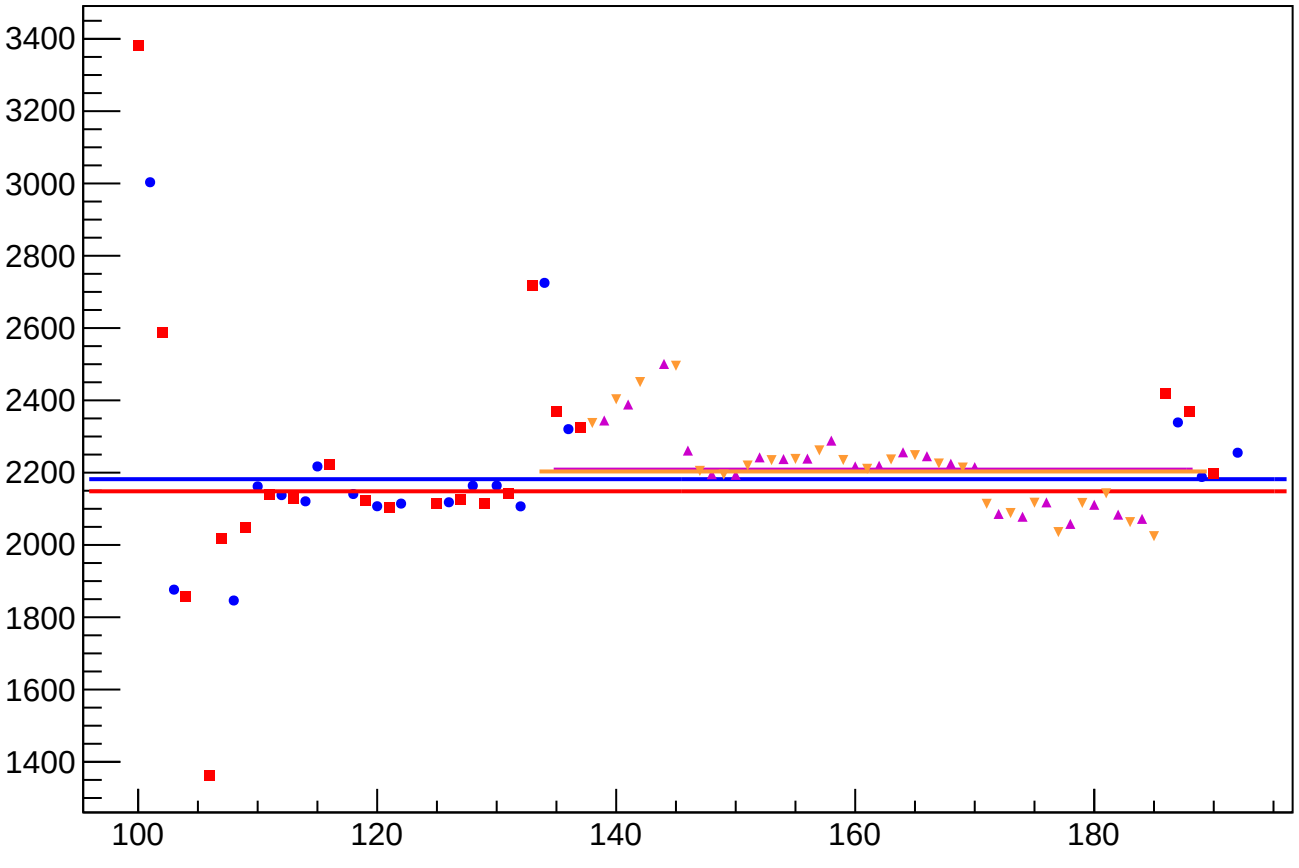
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4489.022+/-520.689 χ^2/NDF: 23.3/39

In: 5163.993+/-422.450 χ^2/NDF:21.0/41

Out: 3004.163+/-420.633 χ^2/NDF:46.9/44

All: 4079.422+/-298.073 χ^2/NDF: 81.0/86



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: 2148.395+/-0.515 χ^2/NDF: 299106.7/20

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

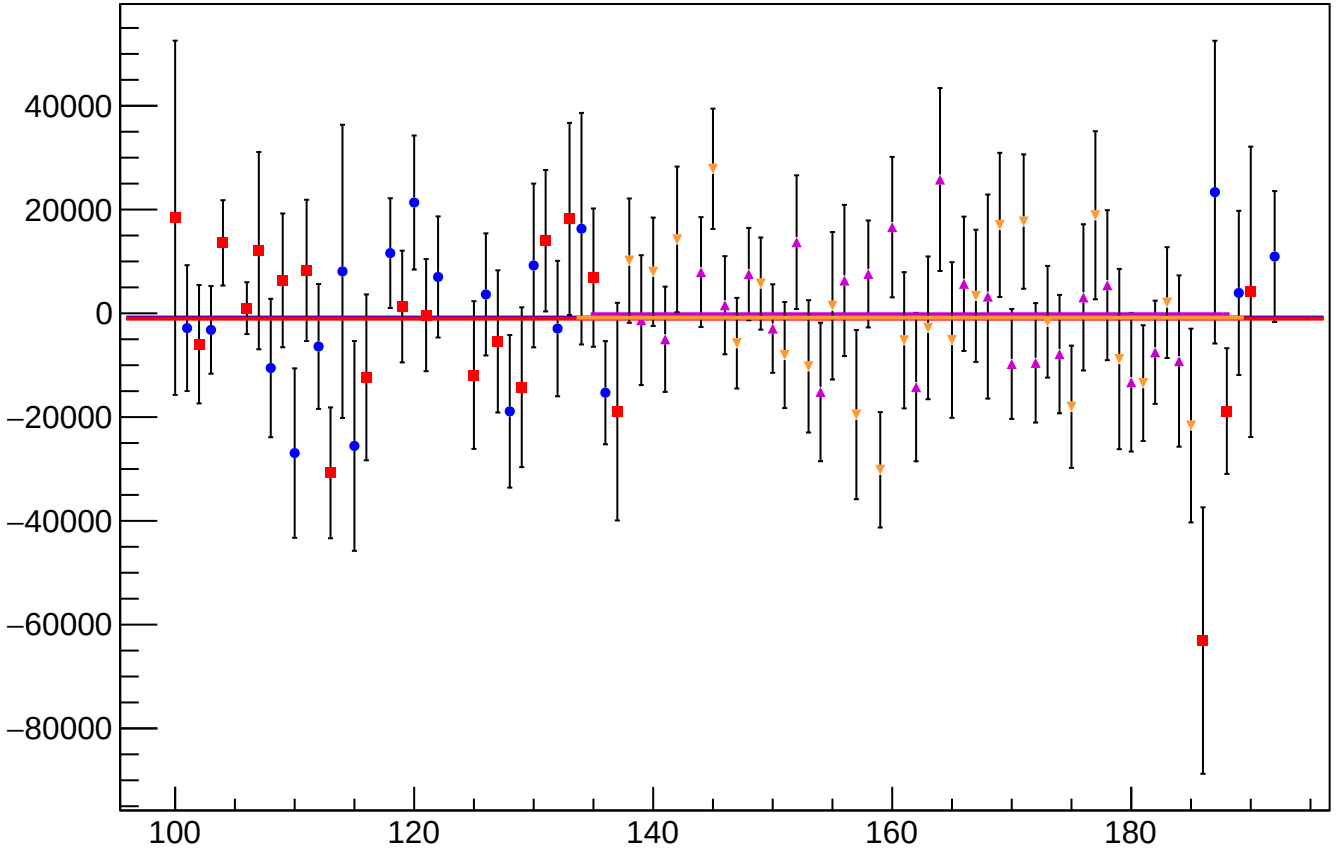
Right: 2165.019+/-0.366 χ^2/NDF: 501160.4/39

In: 2199.655+/-0.299 χ^2/NDF:282670.8/41

Out: 2185.124+/-0.296 χ^2/NDF:394926.1/44

All: 2192.327+/-0.210 χ^2/NDF: 678790.2/86

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: -1018.791+/-2624.260 χ^2/NDF: 24.0/20

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

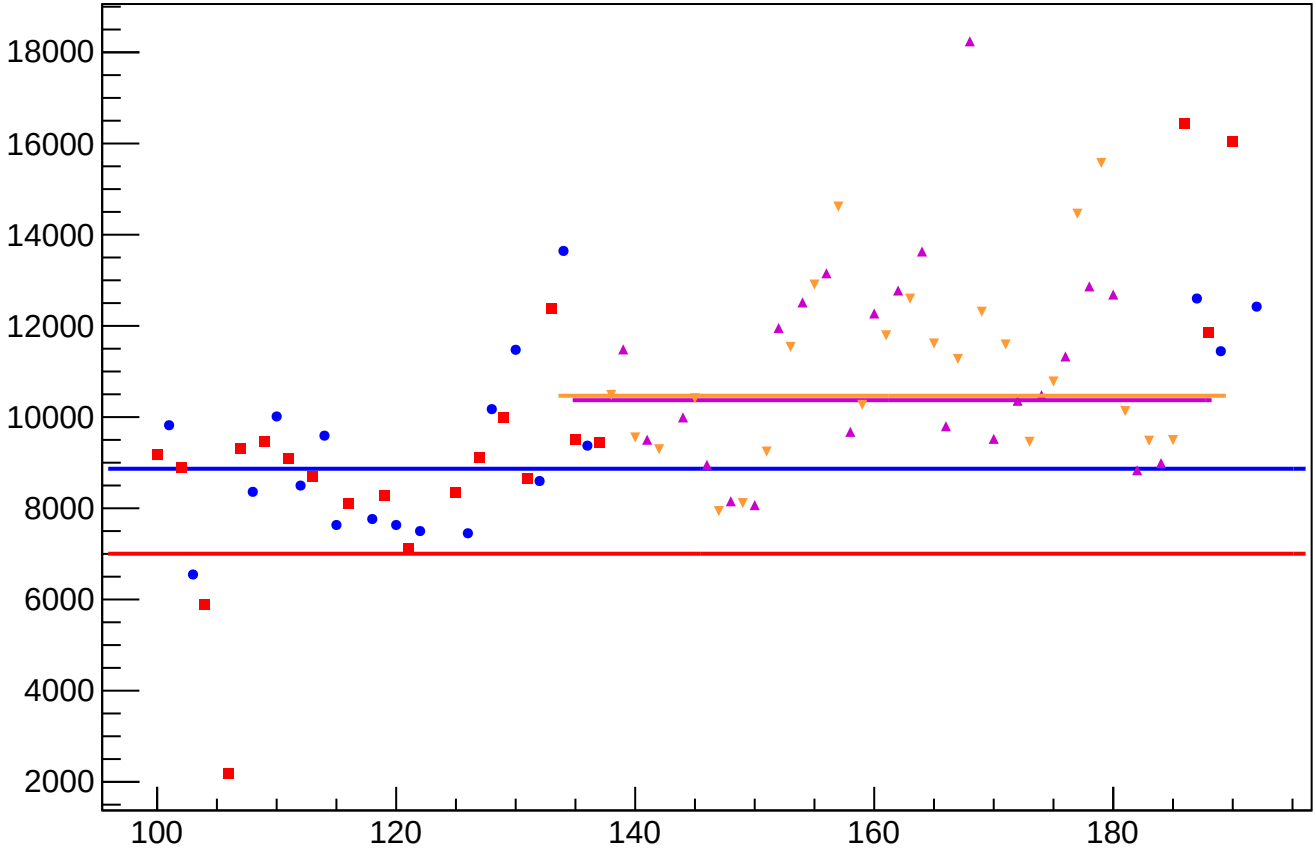
Right: -935.135+/-1985.836 χ^2/NDF: 40.3/39

In: -437.554+/-1916.988 χ^2/NDF:30.0/41

Out: -920.959+/-1803.031 χ^2/NDF:53.5/44

All: -694.051+/-1313.375 χ^2/NDF: 83.5/86

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: 7003.481+/-1.856 χ^2/NDF: 3421111.2/20

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

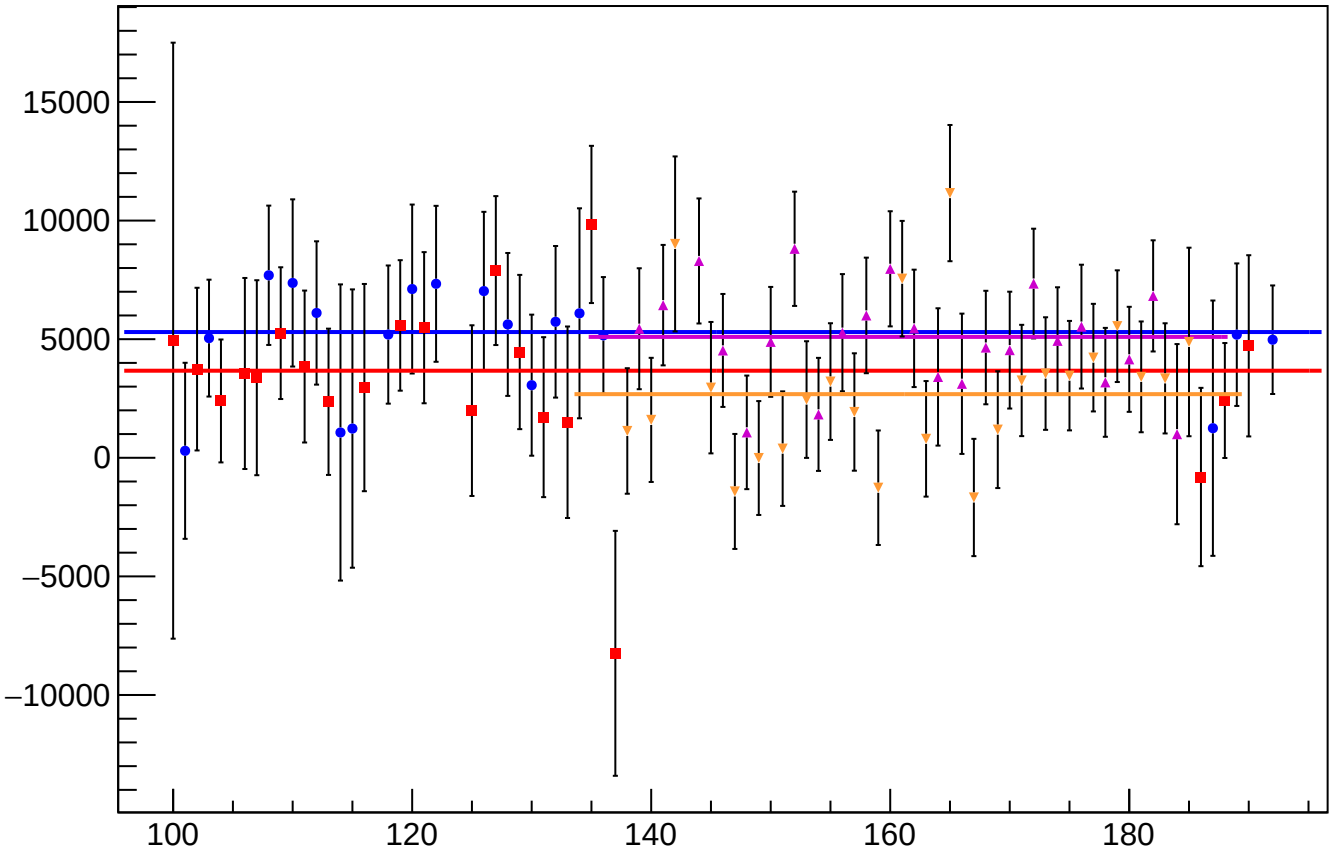
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 7799.861+/-1.404 χ^2/NDF: 4547724.8/39

In: 9771.934+/-1.356 χ^2/NDF:2194413.4/41

Out: 8832.914+/-1.275 χ^2/NDF:6307397.9/44

All: 9273.685+/-0.929 χ^2/NDF: 8756443.0/86



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: 3670.894+/-737.713 χ^2/NDF: 14.9/20

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

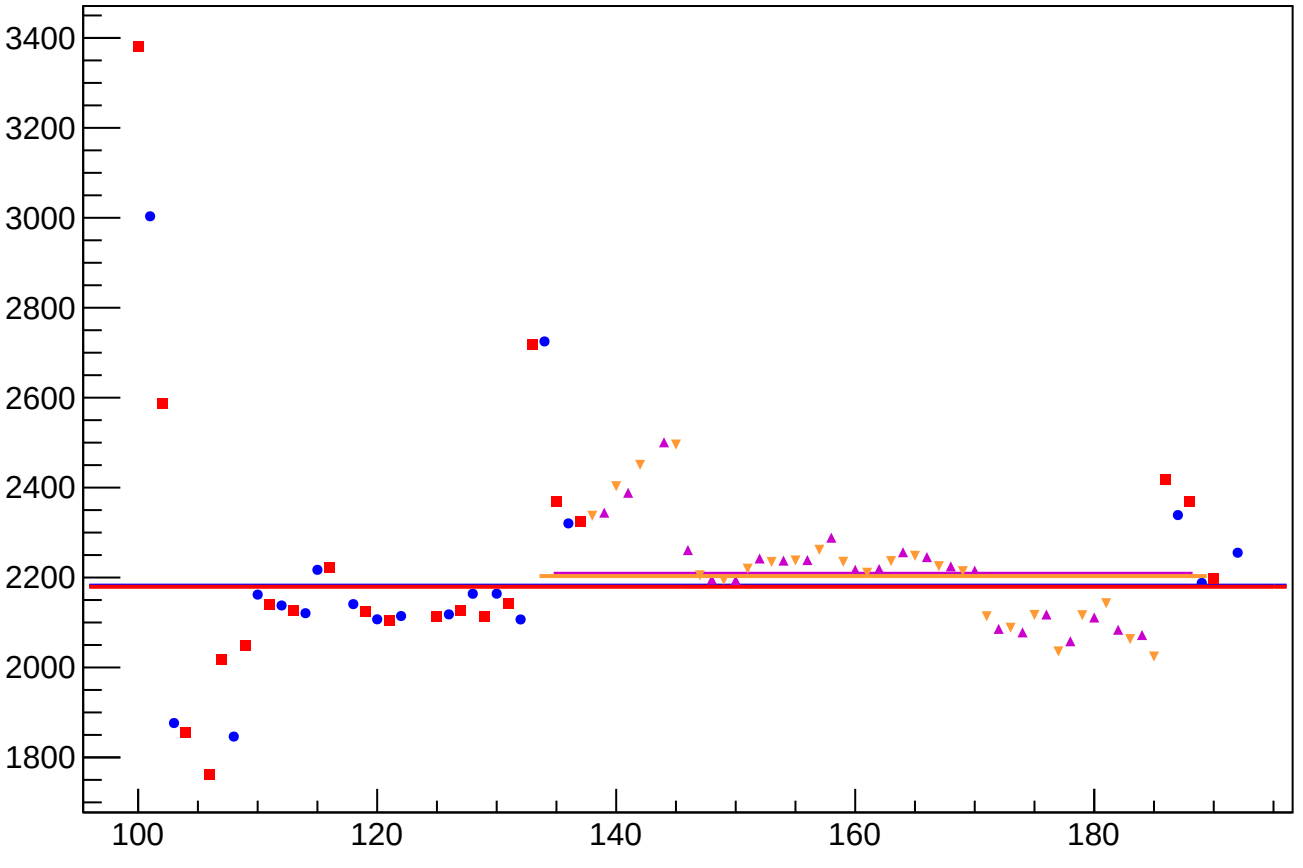
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4488.984+/-520.689 χ^2/NDF: 23.3/39

In: 5163.981+/-422.450 χ^2/NDF:21.0/41

Out: 3004.034+/-420.633 χ^2/NDF:46.9/44

All: 4079.352+/-298.073 χ^2/NDF: 81.0/86



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: 2179.521+/-0.519 χ^2/NDF: 181297.8/20

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

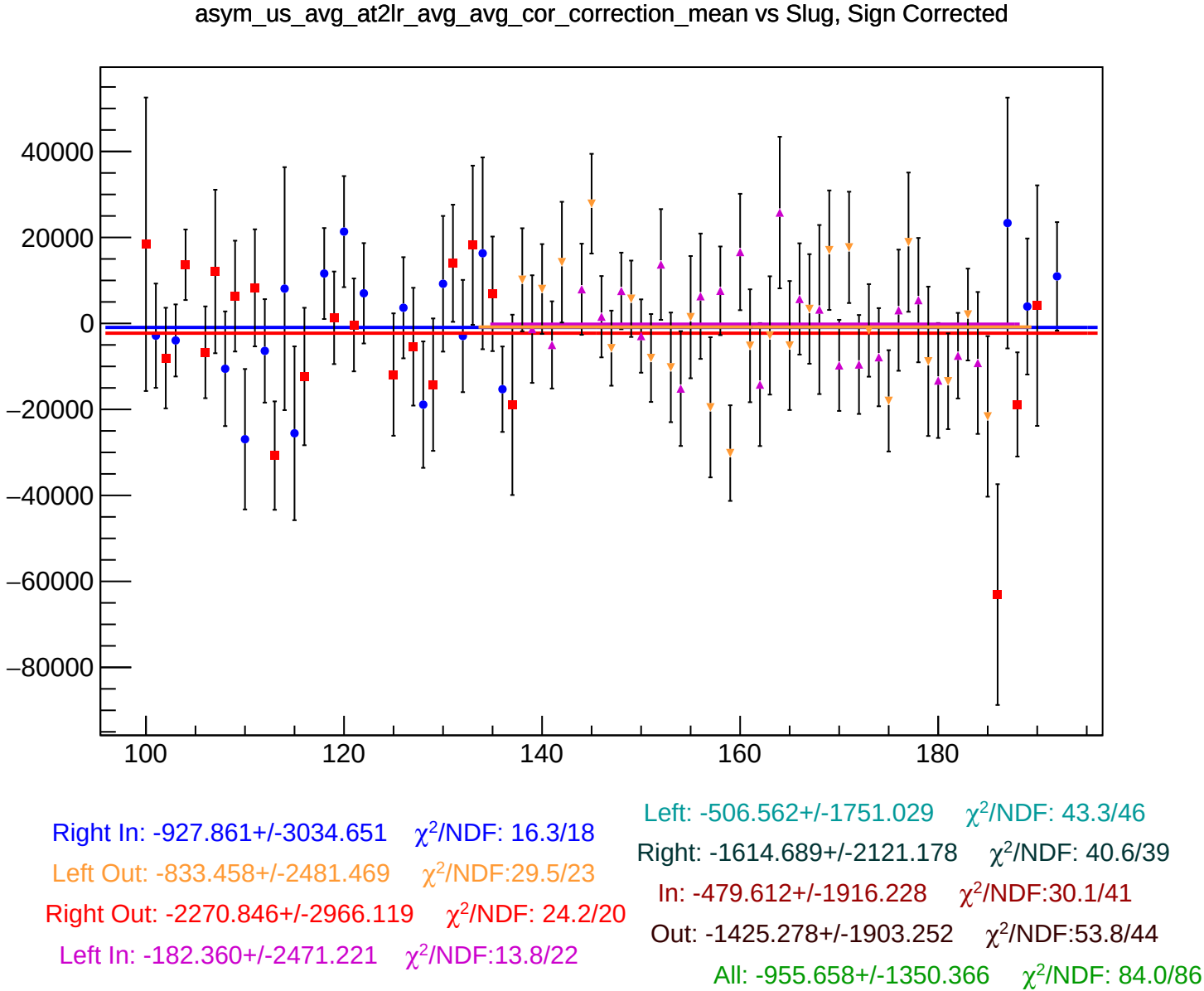
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2180.744+/-0.367 χ^2/NDF: 381256.5/39

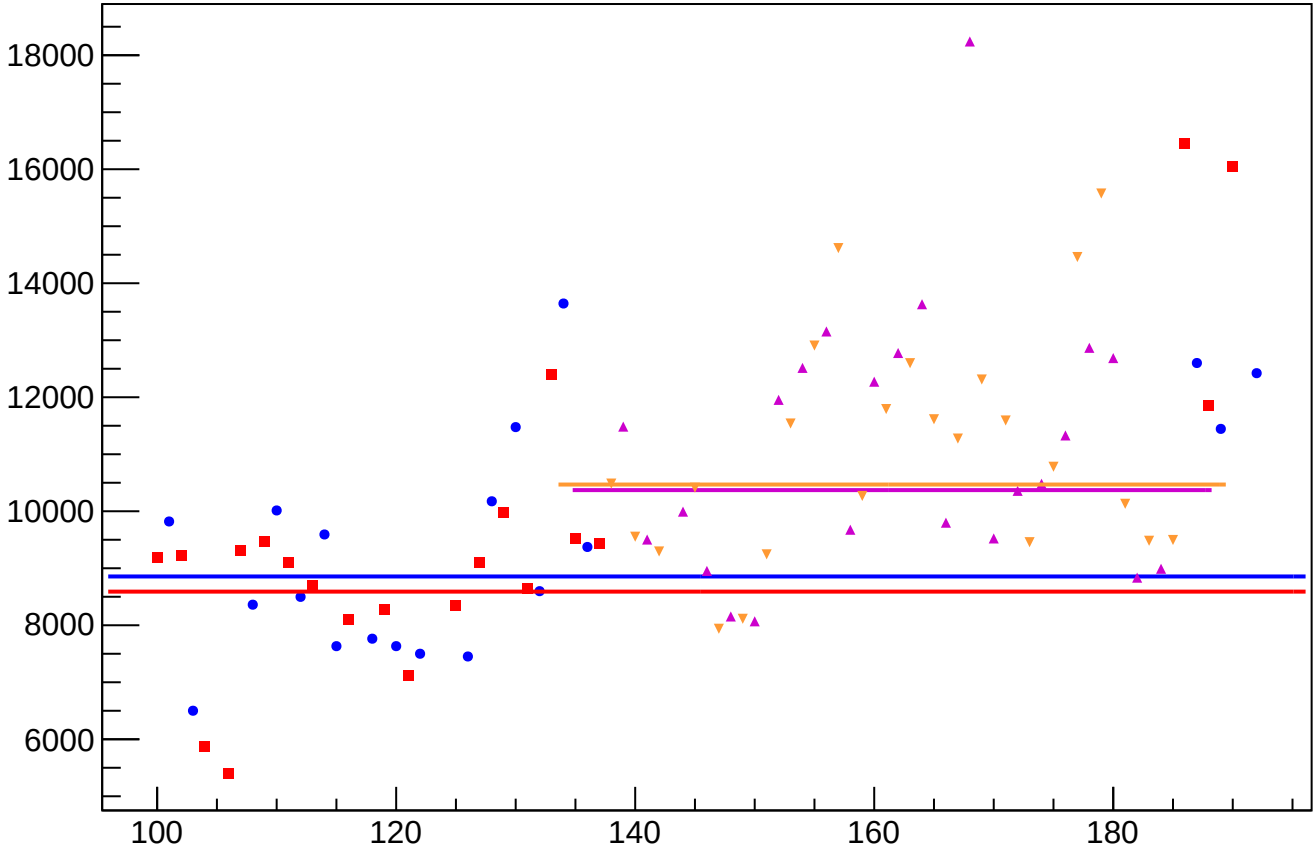
In: 2199.655+/-0.299 χ^2/NDF:282671.1/41

Out: 2195.524+/-0.297 χ^2/NDF:270916.0/44

All: 2197.578+/-0.211 χ^2/NDF: 553683.3/86


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
Right In: -927.861+/-3034.651 χ²/NDF: 16.3/18
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: -2270.846+/-2966.119 χ²/NDF: 24.2/20
Left In: -182.360+/-2471.221 χ²/NDF:13.8/22
Left: -506.562+/-1751.029 χ²/NDF: 43.3/46
Right: -1614.689+/-2121.178 χ²/NDF: 40.6/39
In: -479.612+/-1916.228 χ²/NDF:30.1/41
Out: -1425.278+/-1903.252 χ²/NDF:53.8/44
All: -955.658+/-1350.366 χ²/NDF: 84.0/86

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: 8590.167+/-2.097 χ^2/NDF: 1051791.0/20

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

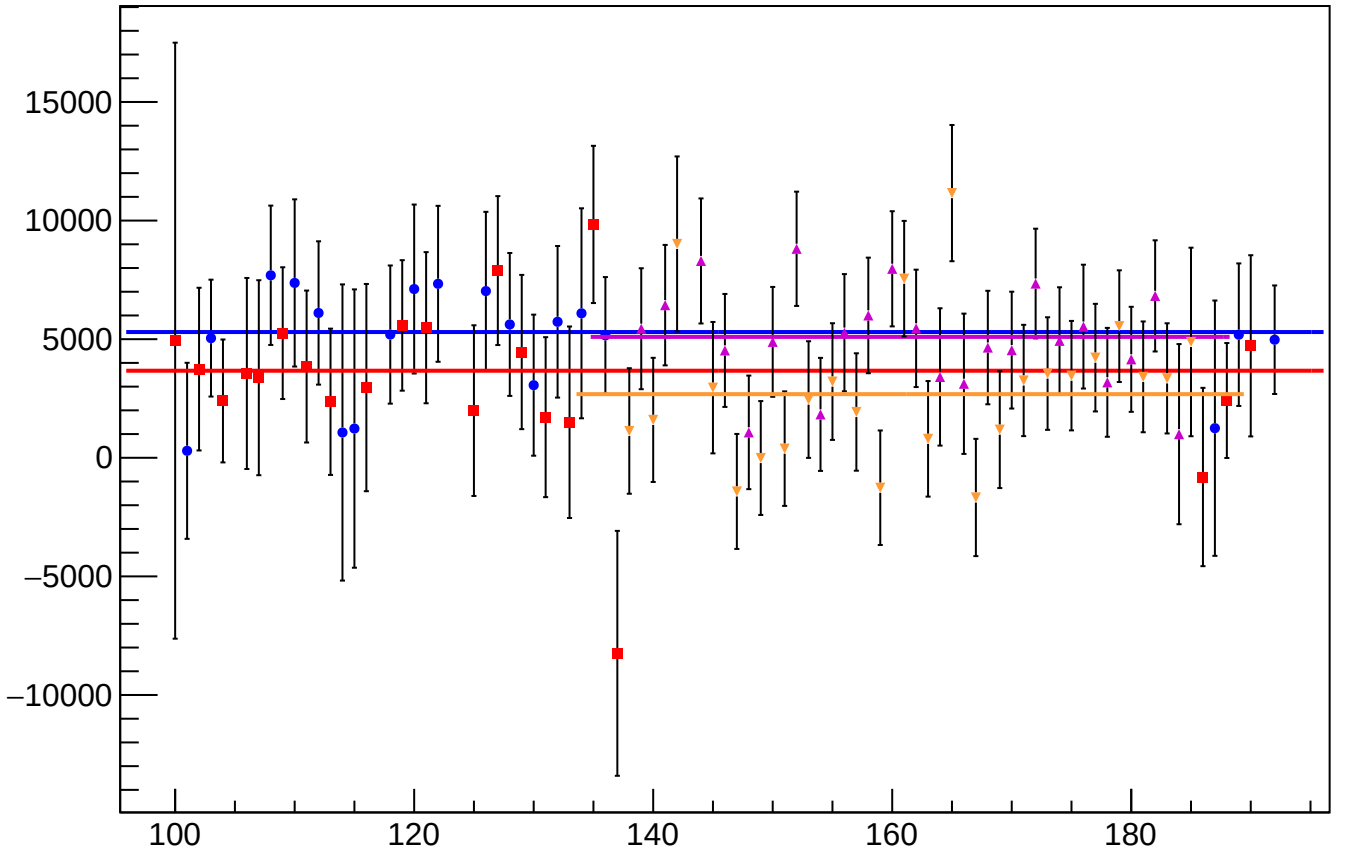
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 8720.092+/-1.500 χ^2/NDF: 1763857.5/39

In: 9766.894+/-1.355 χ^2/NDF:2207610.9/41

Out: 9695.233+/-1.346 χ^2/NDF:2568954.3/44

All: 9730.820+/-0.955 χ^2/NDF: 4777973.2/86



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: 3670.894+/-737.713 χ^2/NDF: 14.9/20

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

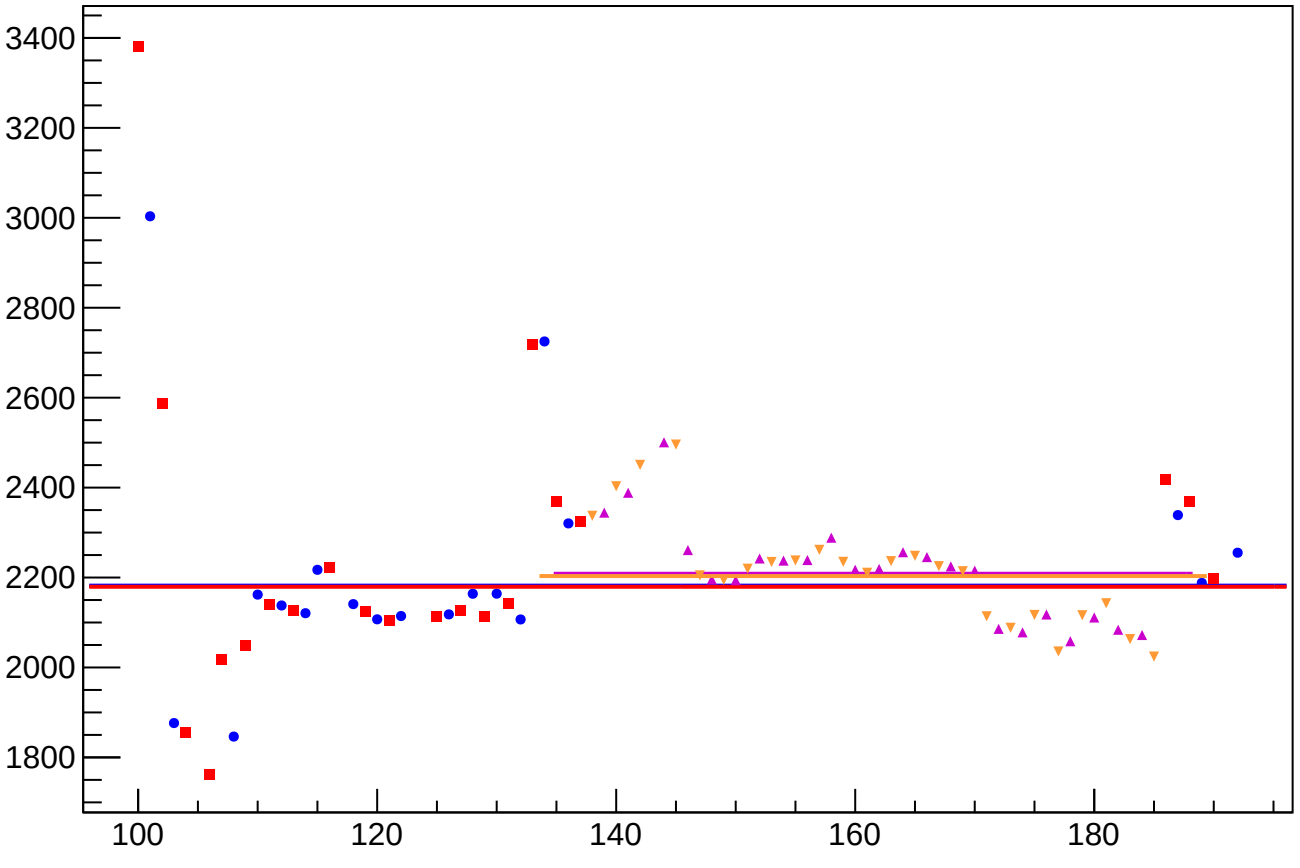
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4488.984+/-520.689 χ^2/NDF: 23.3/39

In: 5163.981+/-422.450 χ^2/NDF:21.0/41

Out: 3004.034+/-420.633 χ^2/NDF:46.9/44

All: 4079.352+/-298.073 χ^2/NDF: 81.0/86



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: 2179.521+/-0.519 χ^2/NDF: 181297.8/20

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

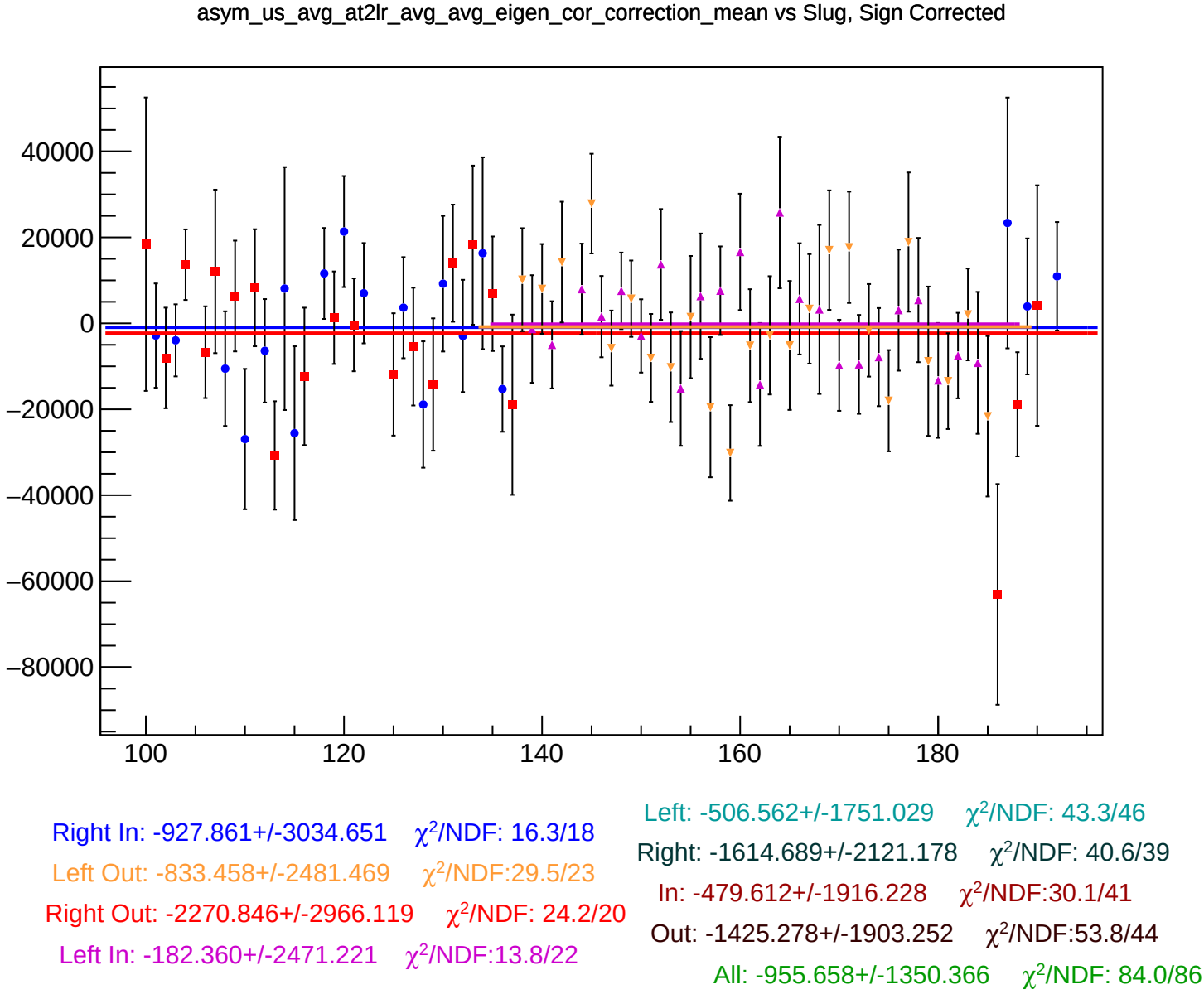
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

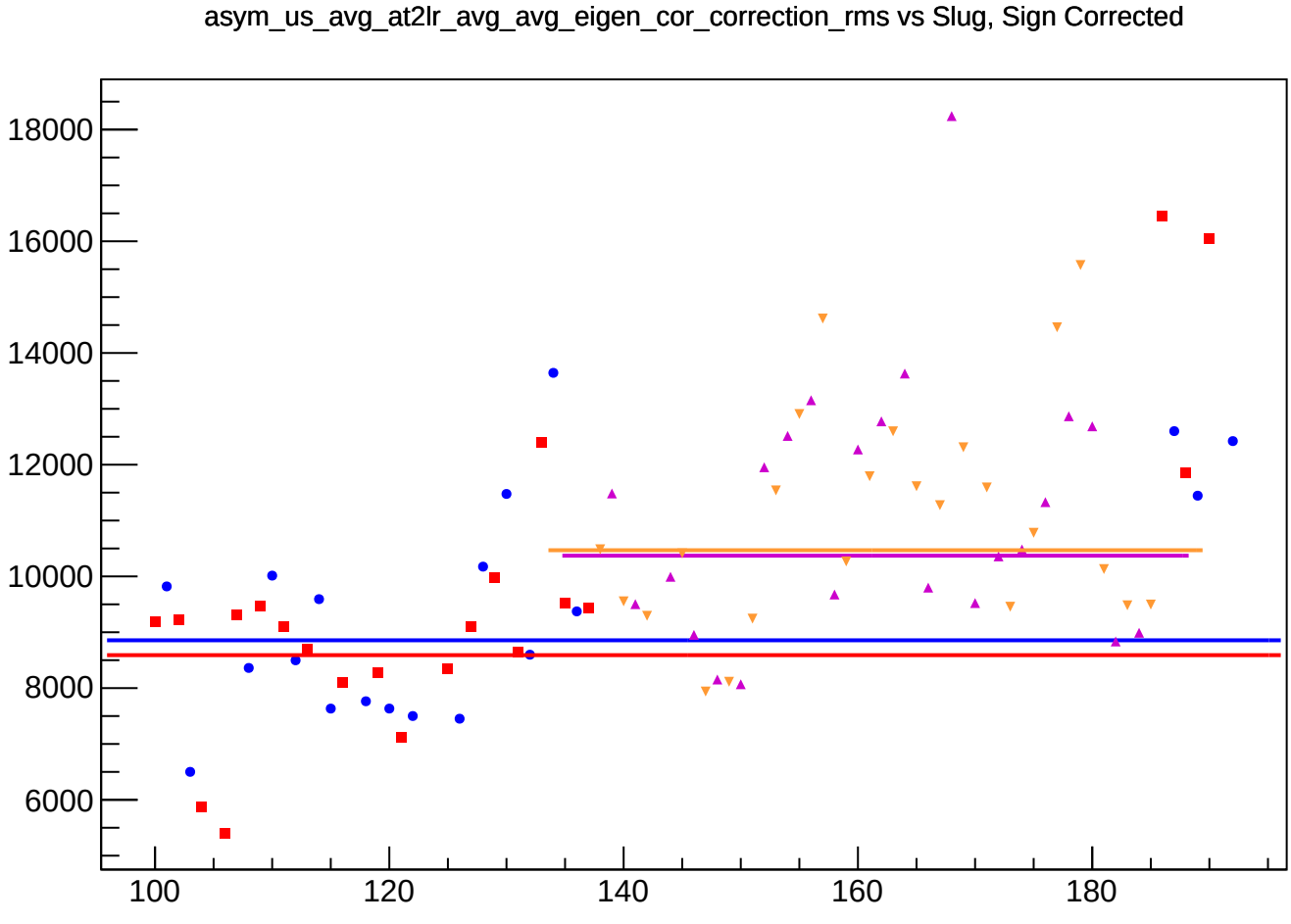
Right: 2180.744+/-0.367 χ^2/NDF: 381256.5/39

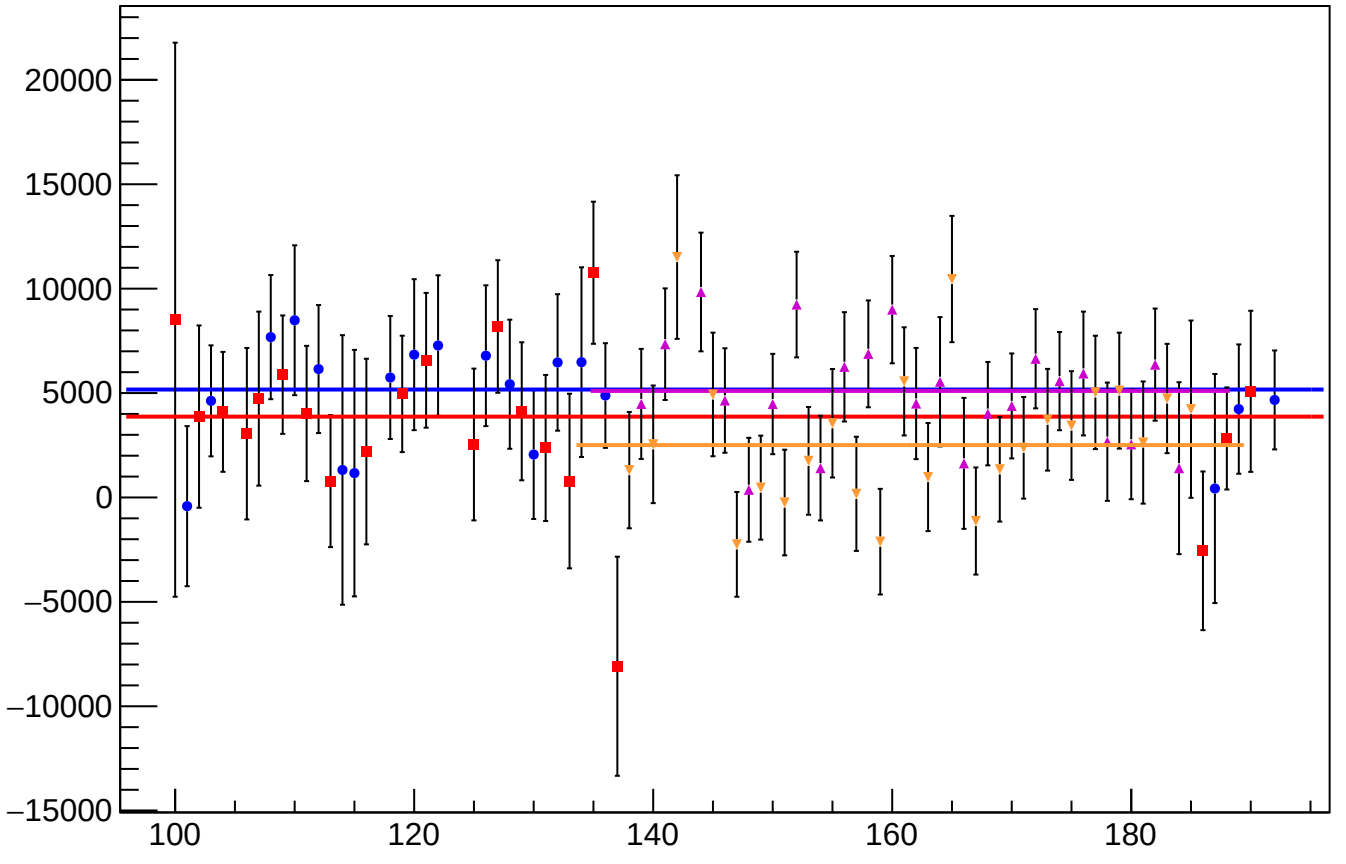
In: 2199.655+/-0.299 χ^2/NDF:282671.1/41

Out: 2195.524+/-0.297 χ^2/NDF:270916.0/44

All: 2197.578+/-0.211 χ^2/NDF: 553683.3/86


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
Right In: -927.861+/-3034.651 χ²/NDF: 16.3/18
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: -2270.846+/-2966.119 χ²/NDF: 24.2/20
Left In: -182.360+/-2471.221 χ²/NDF:13.8/22
Left: -506.562+/-1751.029 χ²/NDF: 43.3/46
Right: -1614.689+/-2121.178 χ²/NDF: 40.6/39
In: -479.612+/-1916.228 χ²/NDF:30.1/41
Out: -1425.278+/-1903.252 χ²/NDF:53.8/44
All: -955.658+/-1350.366 χ²/NDF: 84.0/86


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: 8590.167+/-2.097 χ²/NDF: 1051791.0/20
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
Left: 10419.579+/-1.238 χ²/NDF: 2250581.8/46
Right: 8720.092+/-1.500 χ²/NDF: 1763857.5/39
In: 9766.894+/-1.355 χ²/NDF:2207610.9/41
Out: 9695.233+/-1.346 χ²/NDF:2568954.3/44
All: 9730.820+/-0.955 χ²/NDF: 4777973.2/86



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: 3870.527+/-761.759 χ^2/NDF: 17.8/20

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

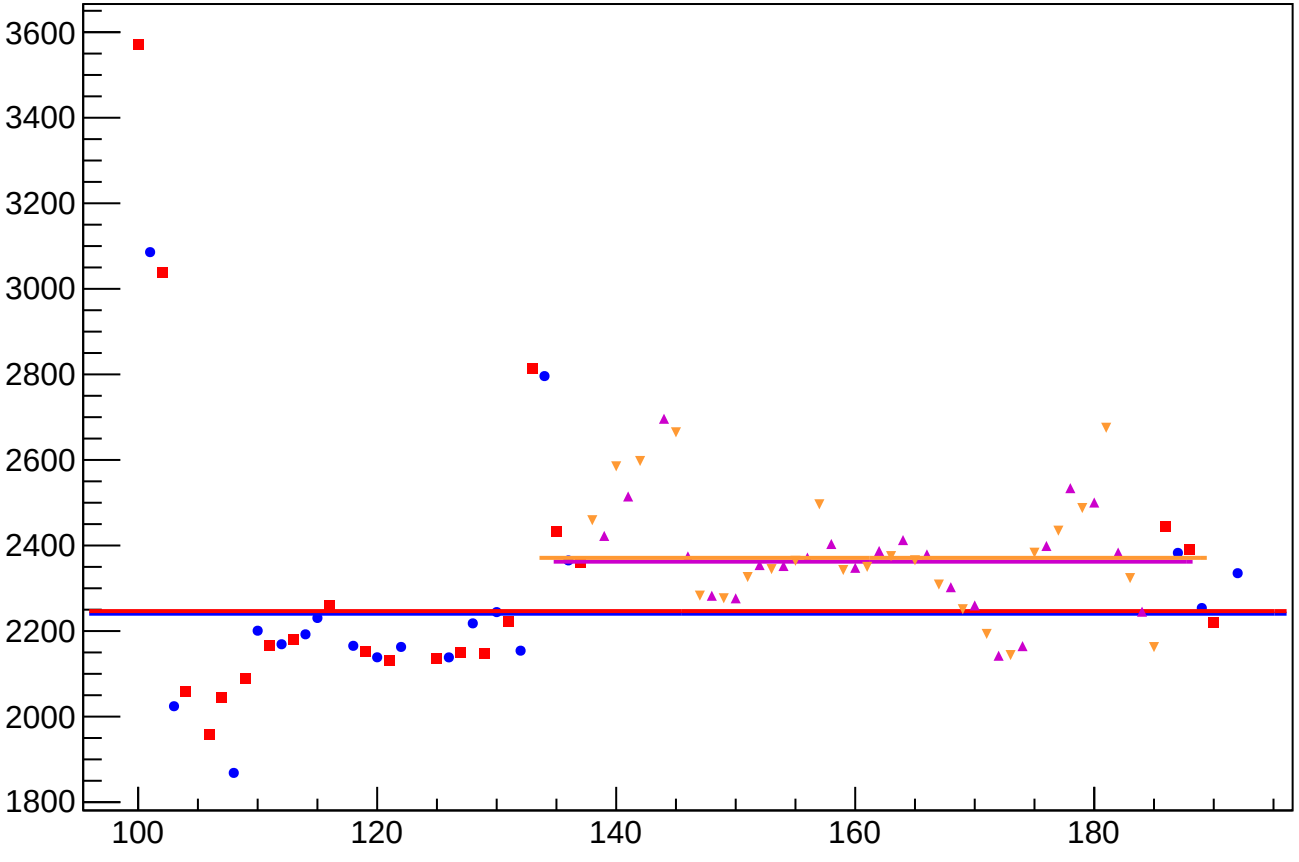
Right: 4525.452+/-536.234 χ^2/NDF: 27.0/39

In: 5125.943+/-445.908 χ^2/NDF:27.6/41

Out: 2977.321+/-446.770 χ^2/NDF:49.7/44

All: 4053.707+/-315.609 χ^2/NDF: 88.9/86

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



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: 2246.672+/-0.538 χ^2/NDF: 184181.9/20

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

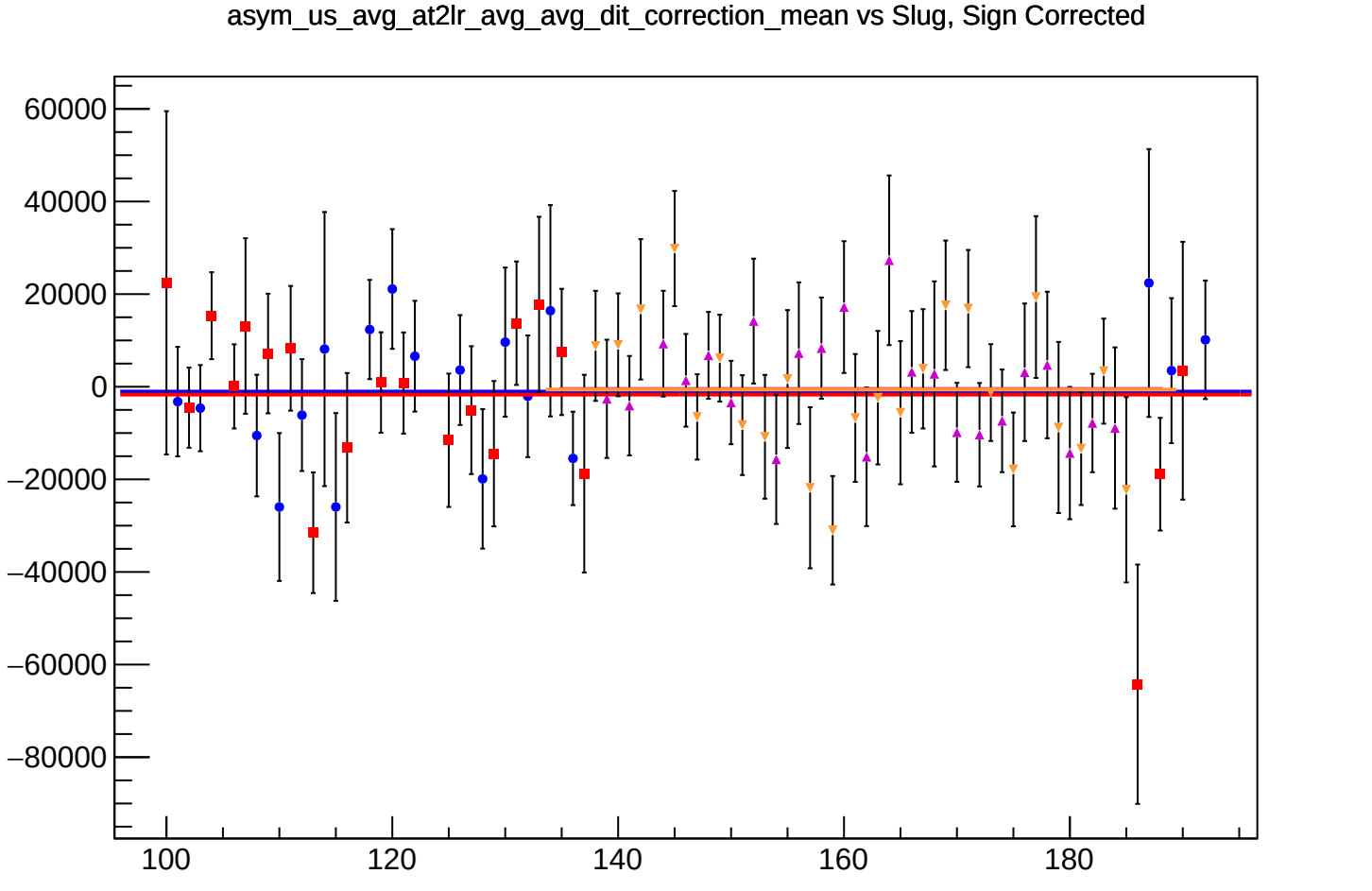
Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

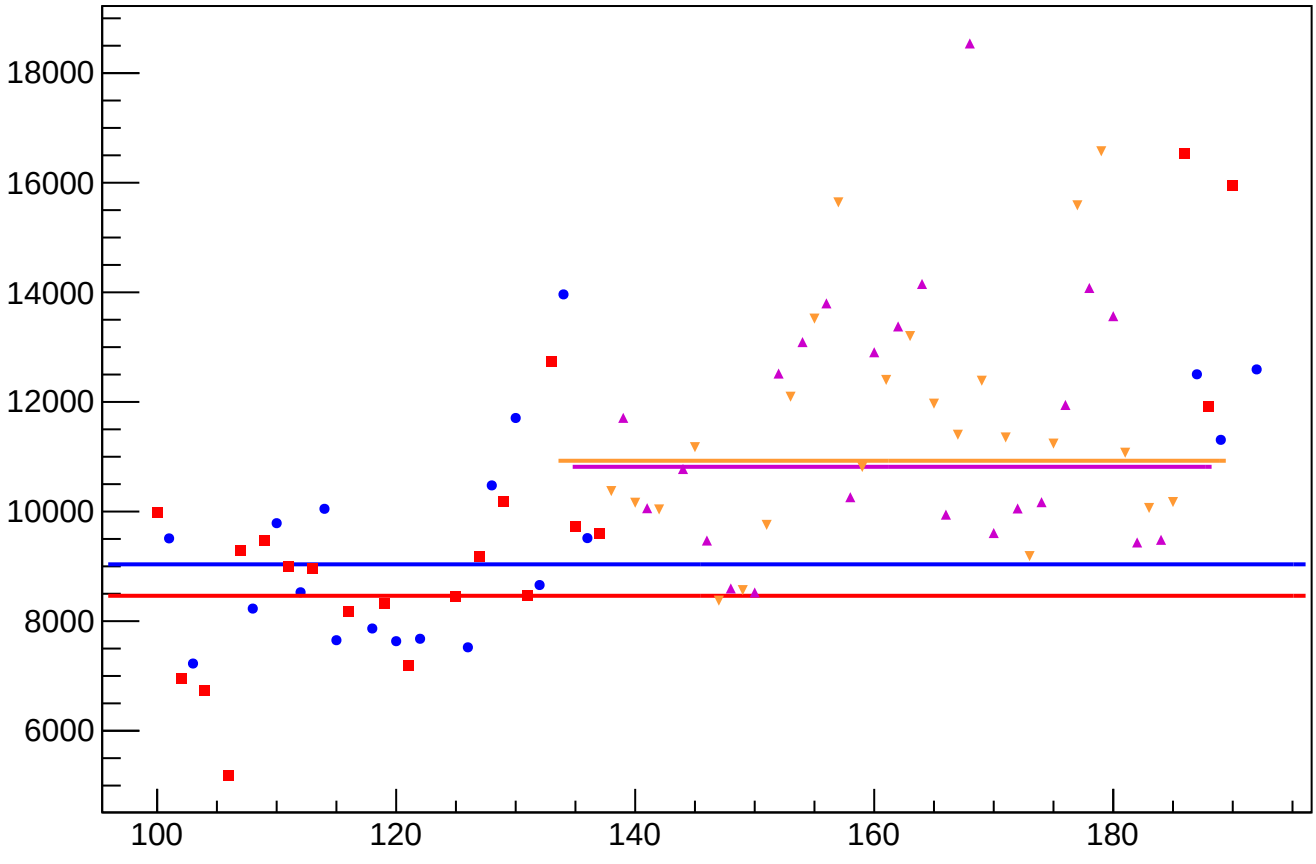
Right: 2243.600+/-0.379 χ^2/NDF: 374234.3/39

In: 2319.787+/-0.315 χ^2/NDF:315690.5/41

Out: 2328.295+/-0.316 χ^2/NDF:335529.0/44

All: 2324.033+/-0.223 χ^2/NDF: 651582.9/86


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: -1694.476+/-2910.127 χ²/NDF: 23.9/20
Left In: -490.044+/-2577.213 χ²/NDF:13.5/22
Left: -548.873+/-1826.841 χ²/NDF: 42.4/46
Right: -1391.081+/-2118.162 χ²/NDF: 40.1/39
In: -719.557+/-1978.892 χ²/NDF:29.7/41
Out: -1088.356+/-1934.693 χ²/NDF:52.9/44
All: -908.121+/-1383.396 χ²/NDF: 82.6/86



Right In: 9036.876+/-2.184 χ^2/NDF: 609773.9/18

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

Right Out: 8462.953+/-2.058 χ^2/NDF: 1097431.0/20

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

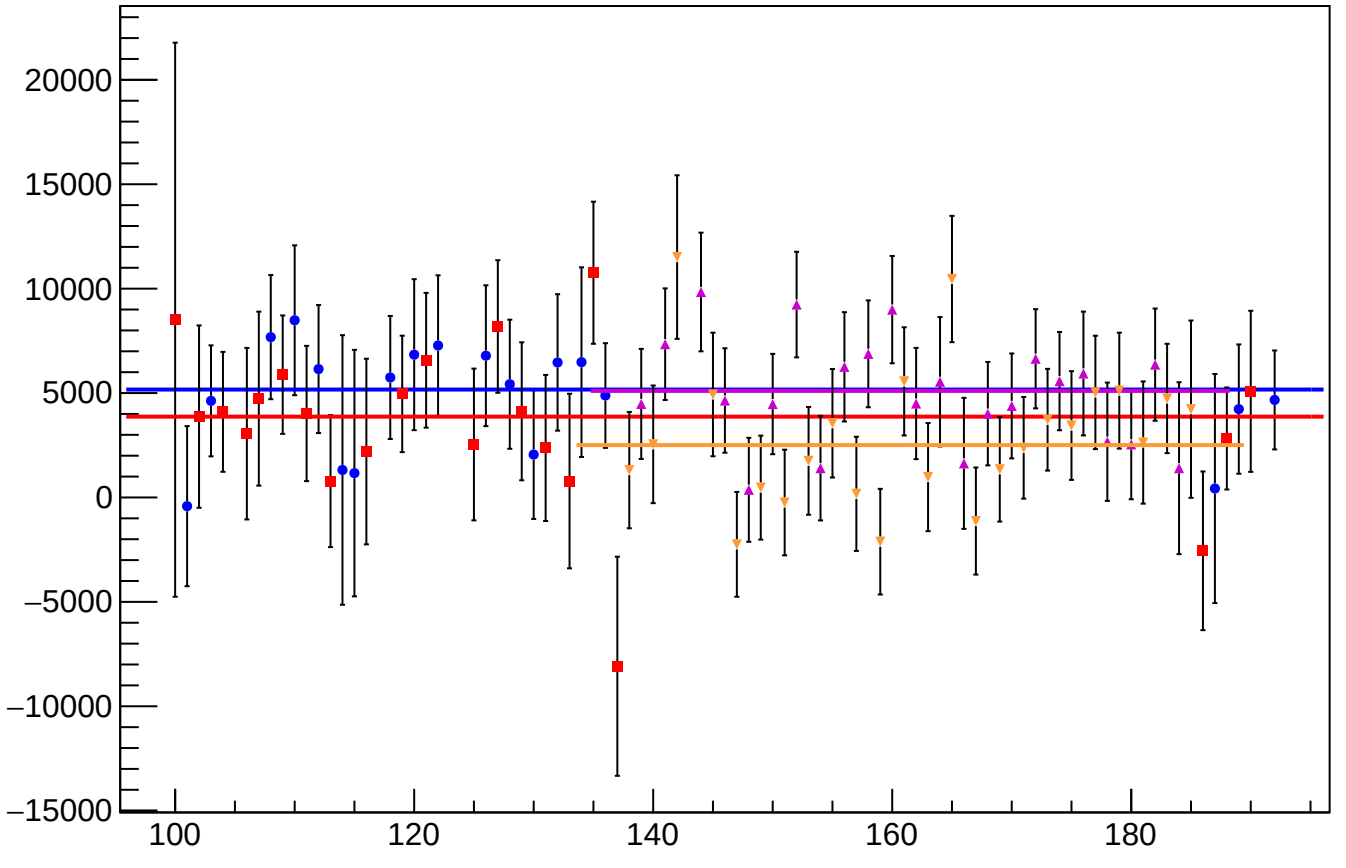
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 8732.824+/-1.498 χ^2/NDF: 1743782.5/39

In: 10086.002+/-1.399 χ^2/NDF:2197909.4/41

Out: 9837.869+/-1.368 χ^2/NDF:2954792.2/44

All: 9959.133+/-0.978 χ^2/NDF: 5168779.2/86



Right In: 5168.784+/-754.985 χ^2/NDF: 7.7/18

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: 3870.529+/-761.759 χ^2/NDF: 17.8/20

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

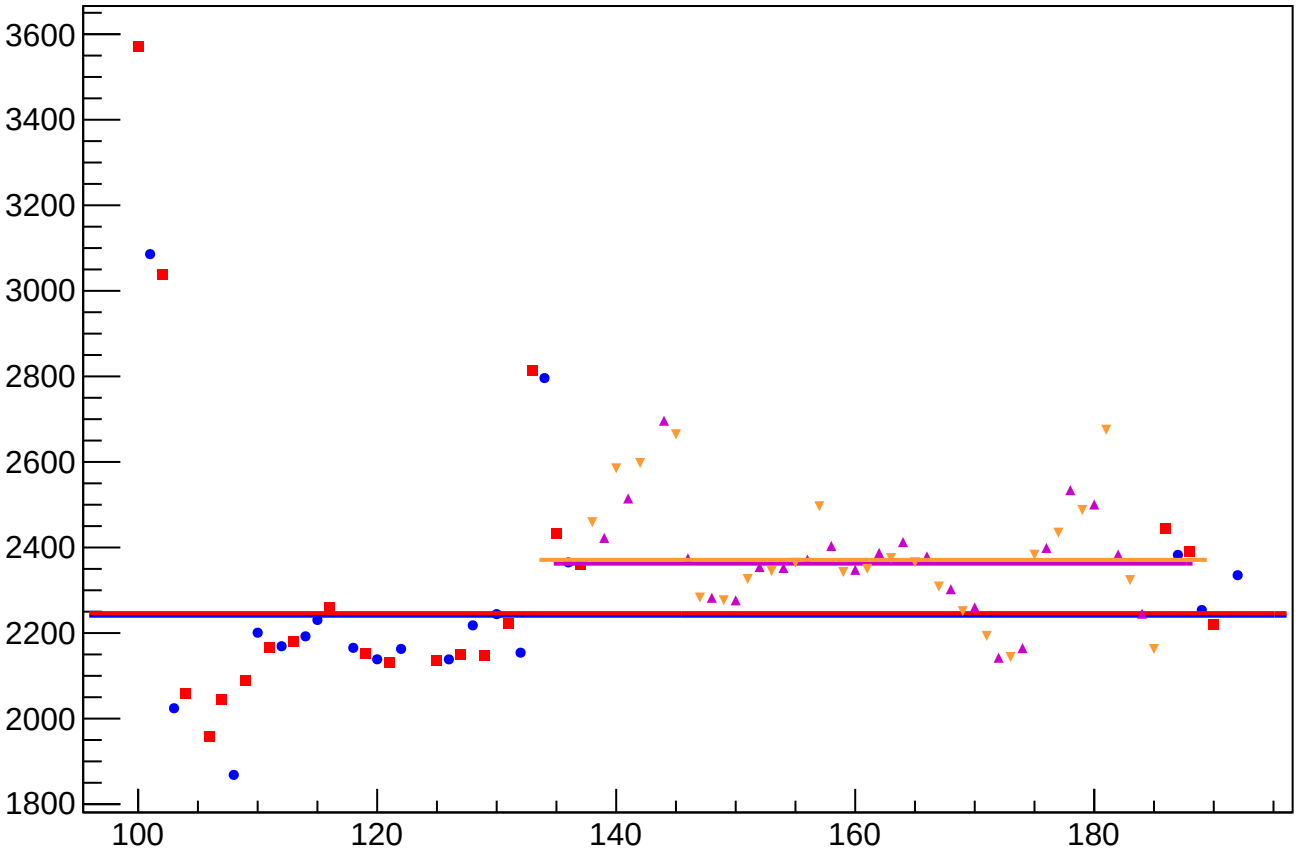
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4525.454+/-536.234 χ^2/NDF: 27.0/39

In: 5125.945+/-445.908 χ^2/NDF:27.6/41

Out: 2977.314+/-446.770 χ^2/NDF:49.7/44

All: 4053.705+/-315.609 χ^2/NDF: 88.9/86



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: 2246.671+/-0.538 χ^2/NDF: 184181.8/20

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

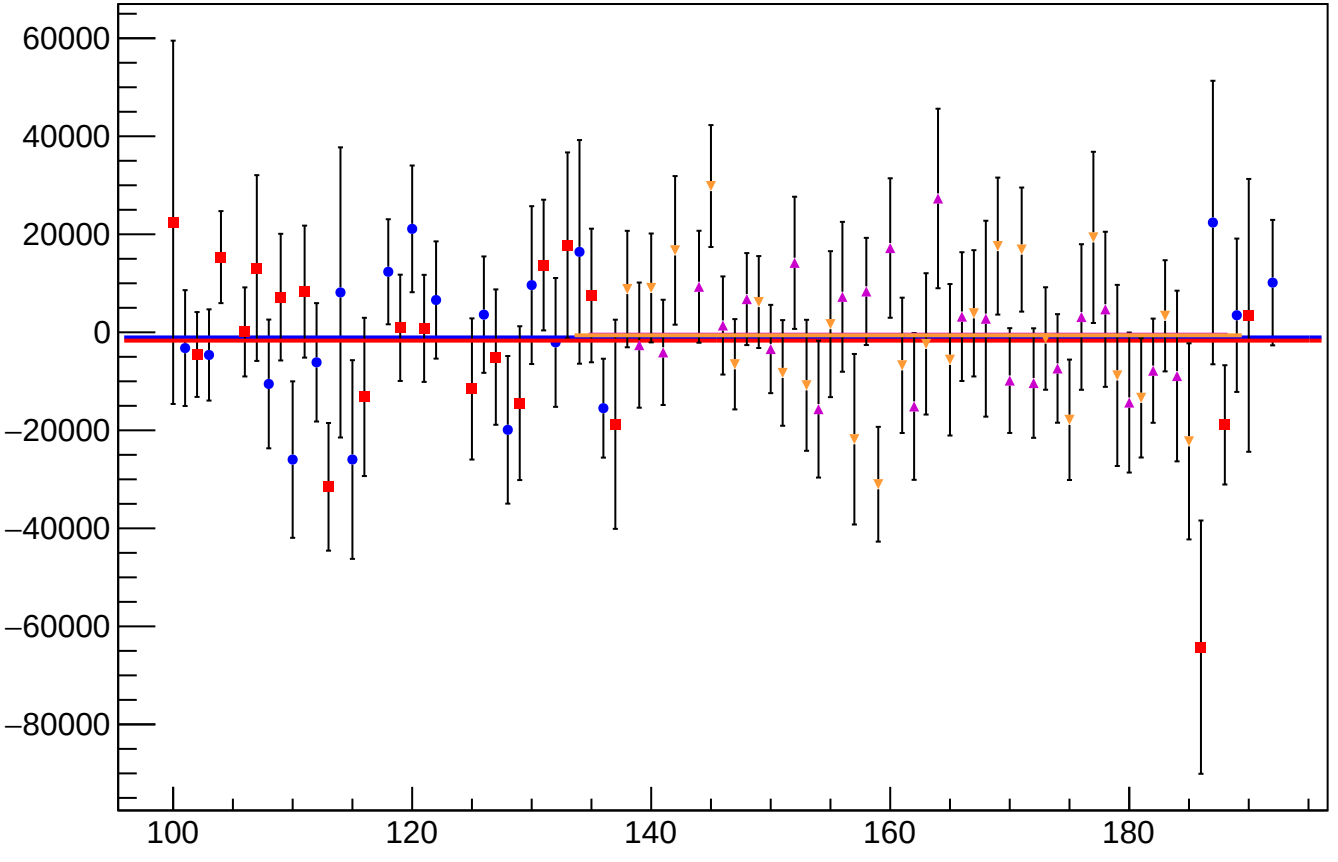
Right: 2243.599+/-0.379 χ^2/NDF: 374234.3/39

In: 2319.789+/-0.315 χ^2/NDF:315697.5/41

Out: 2328.297+/-0.316 χ^2/NDF:335535.5/44

All: 2324.035+/-0.223 χ^2/NDF: 651596.4/86

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -1694.463+/-2910.121 χ^2/NDF: 23.9/20

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

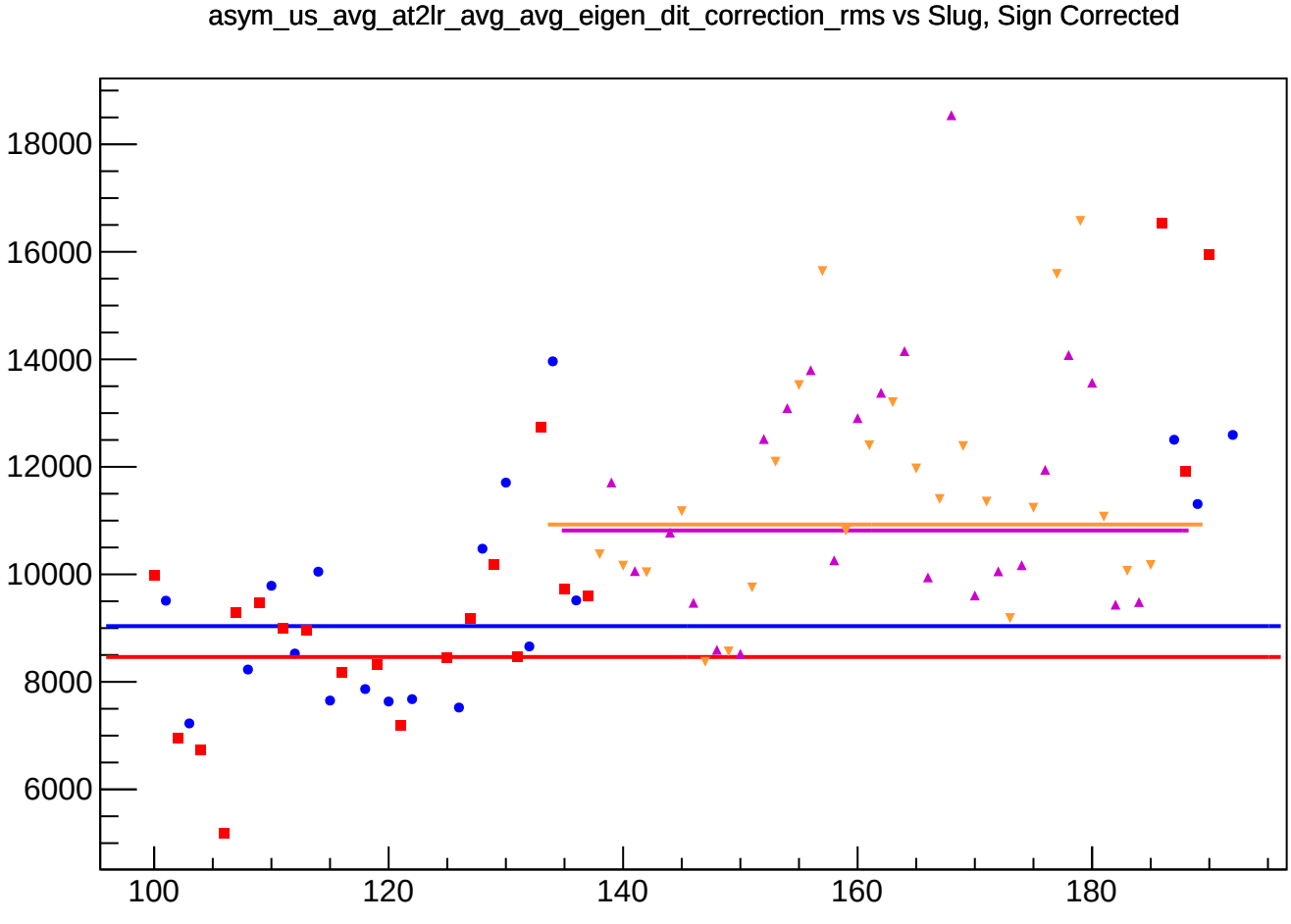
Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

Right: -1391.067+/-2118.158 χ^2/NDF: 40.1/39

In: -719.553+/-1978.892 χ^2/NDF:29.7/41

Out: -1088.356+/-1934.693 χ^2/NDF:52.9/44

All: -908.119+/-1383.397 χ^2/NDF: 82.6/86



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: 8462.936+/-2.058 χ^2/NDF: 1097432.8/20

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

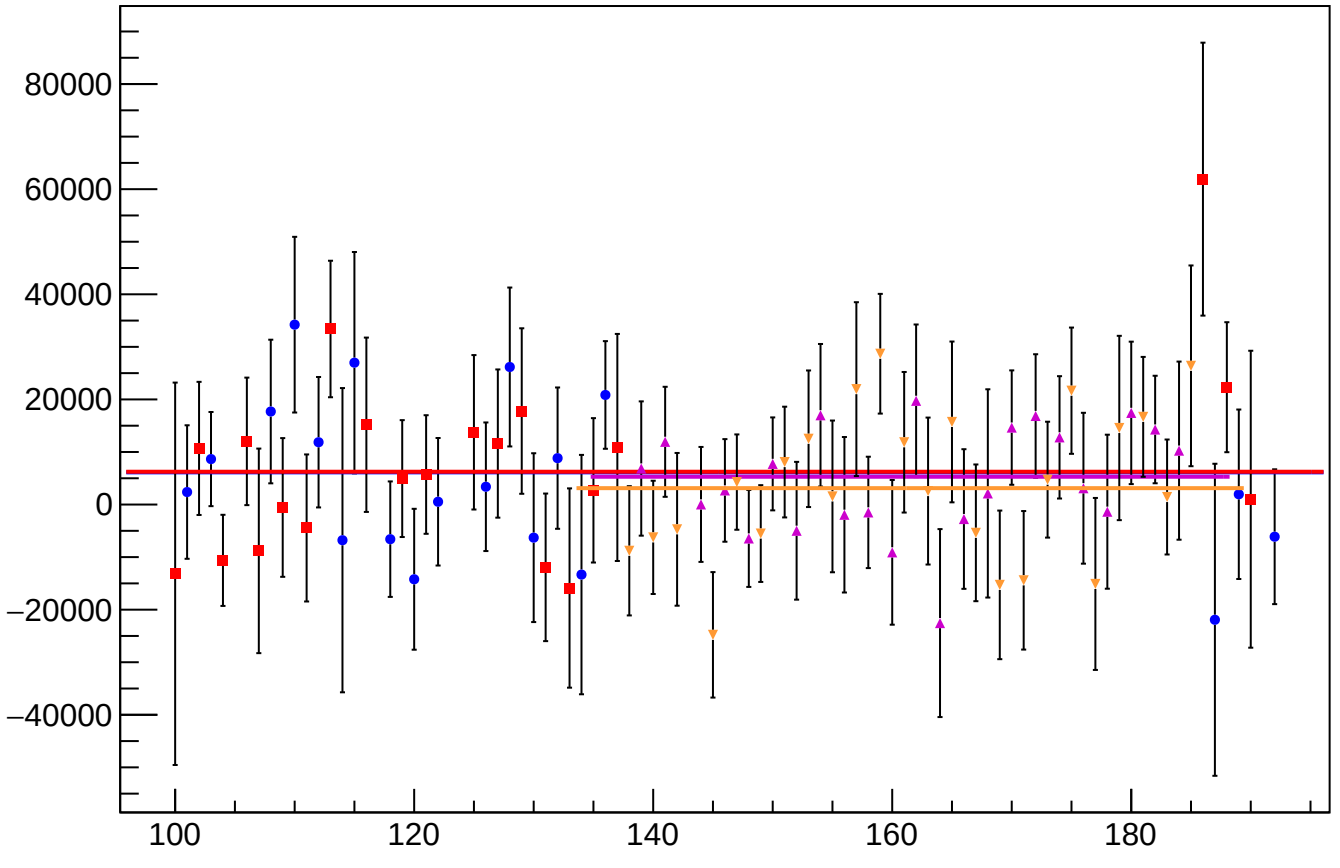
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 8732.805+/-1.498 χ^2/NDF: 1743790.9/39

In: 10086.000+/-1.399 χ^2/NDF:2197936.1/41

Out: 9837.866+/-1.368 χ^2/NDF:2954820.1/44

All: 9959.131+/-0.978 χ^2/NDF: 5168834.0/86



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: 6243.111+/-3095.197 χ^2/NDF: 21.0/20

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

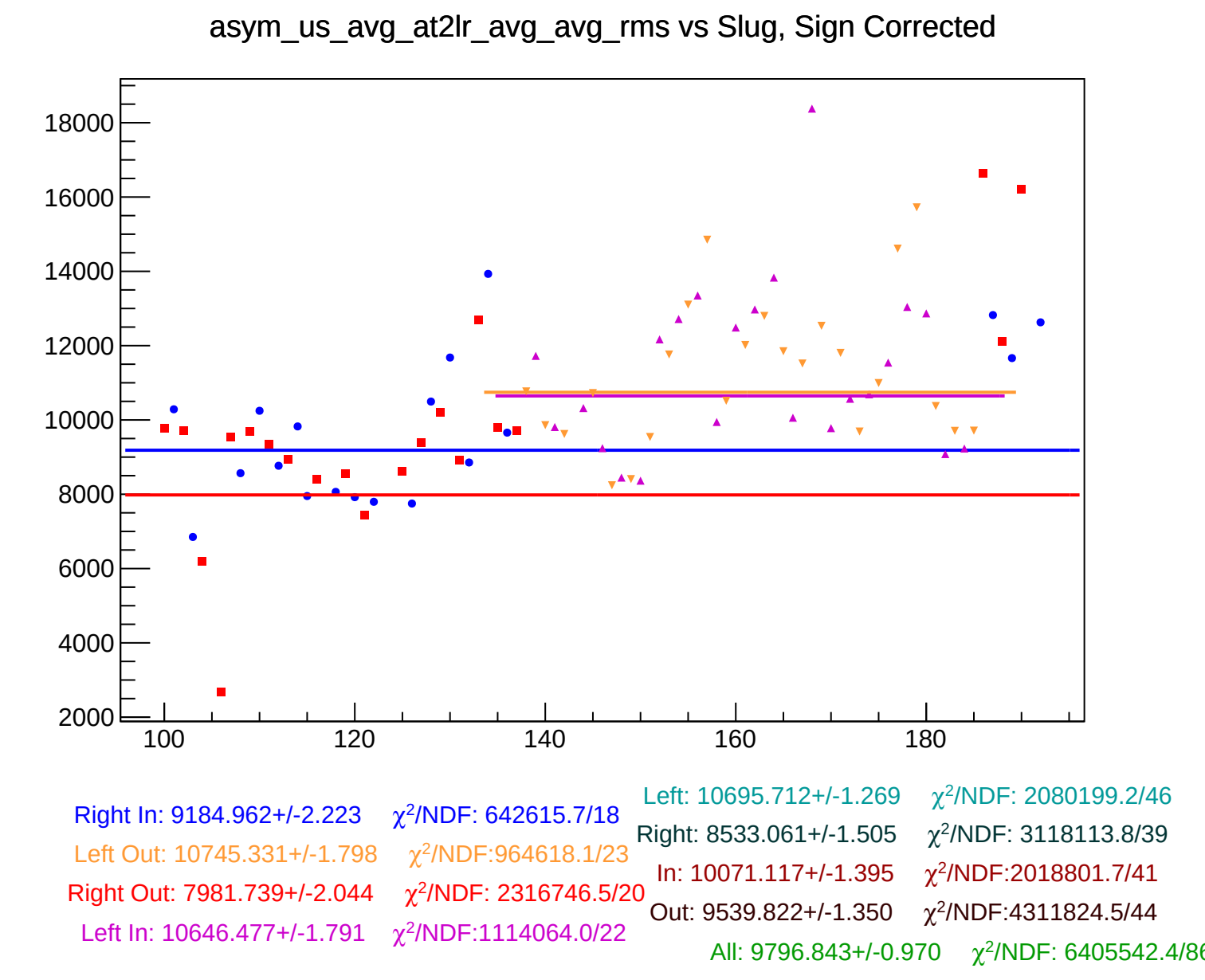
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

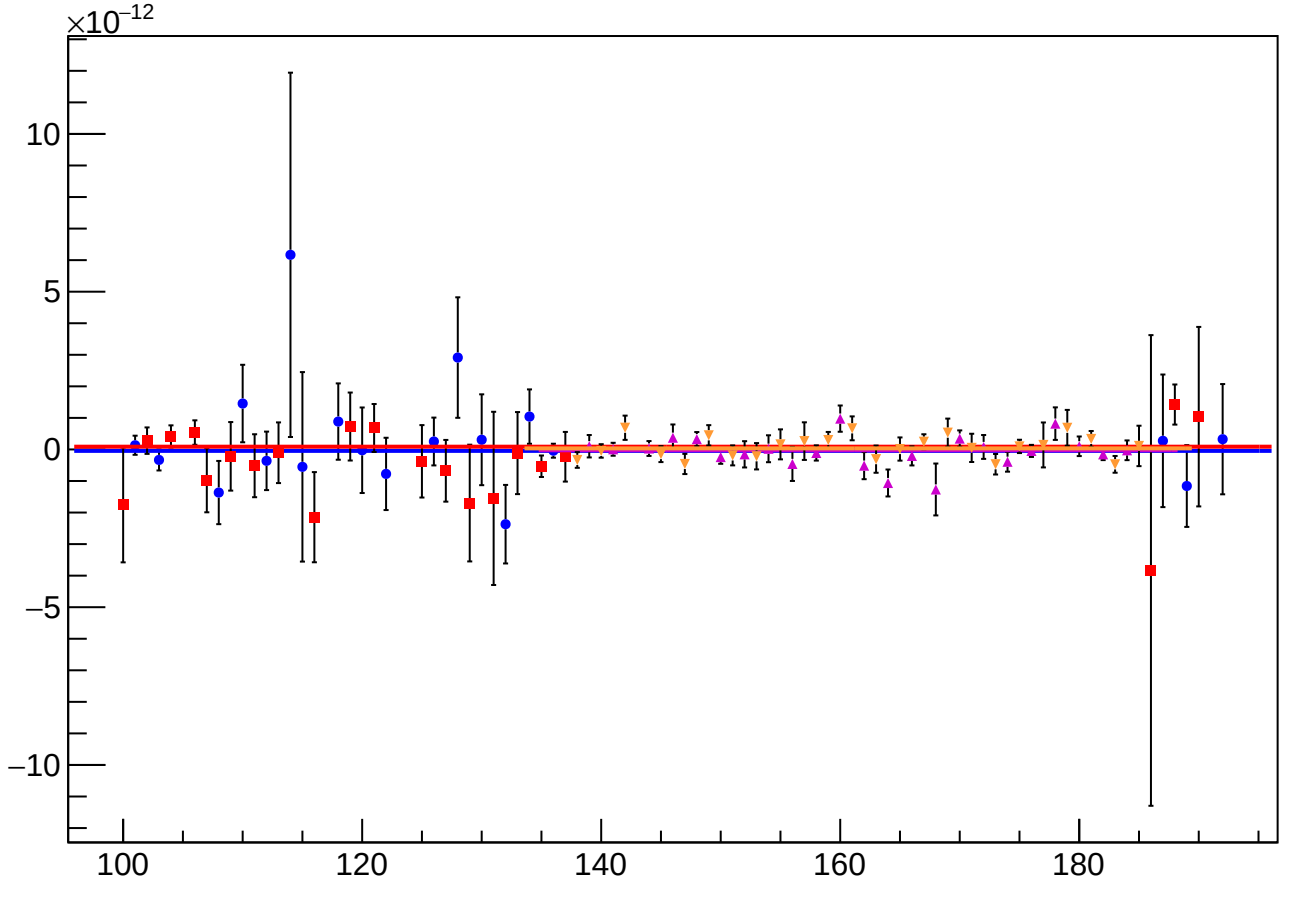
Right: 6184.793+/-2205.541 χ^2/NDF: 37.0/39

In: 5619.006+/-1972.375 χ^2/NDF:29.5/41

Out: 4378.002+/-1964.815 χ^2/NDF:49.0/44

All: 4996.121+/-1391.999 χ^2/NDF: 78.7/86


asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 9184.962+/-2.223 χ²/NDF: 642615.7/18
Left Out: 10745.331+/-1.798 χ²/NDF:964618.1/23
Right Out: 7981.739+/-2.044 χ²/NDF: 2316746.5/20
Left In: 10646.477+/-1.791 χ²/NDF:1114064.0/22
Left: 10695.712+/-1.269 χ²/NDF: 2080199.2/46
Right: 8533.061+/-1.505 χ²/NDF: 3118113.8/39
In: 10071.117+/-1.395 χ²/NDF:2018801.7/41
Out: 9539.822+/-1.350 χ²/NDF:4311824.5/44
All: 9796.843+/-0.970 χ²/NDF: 6405542.4/86



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: 18.8/20

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

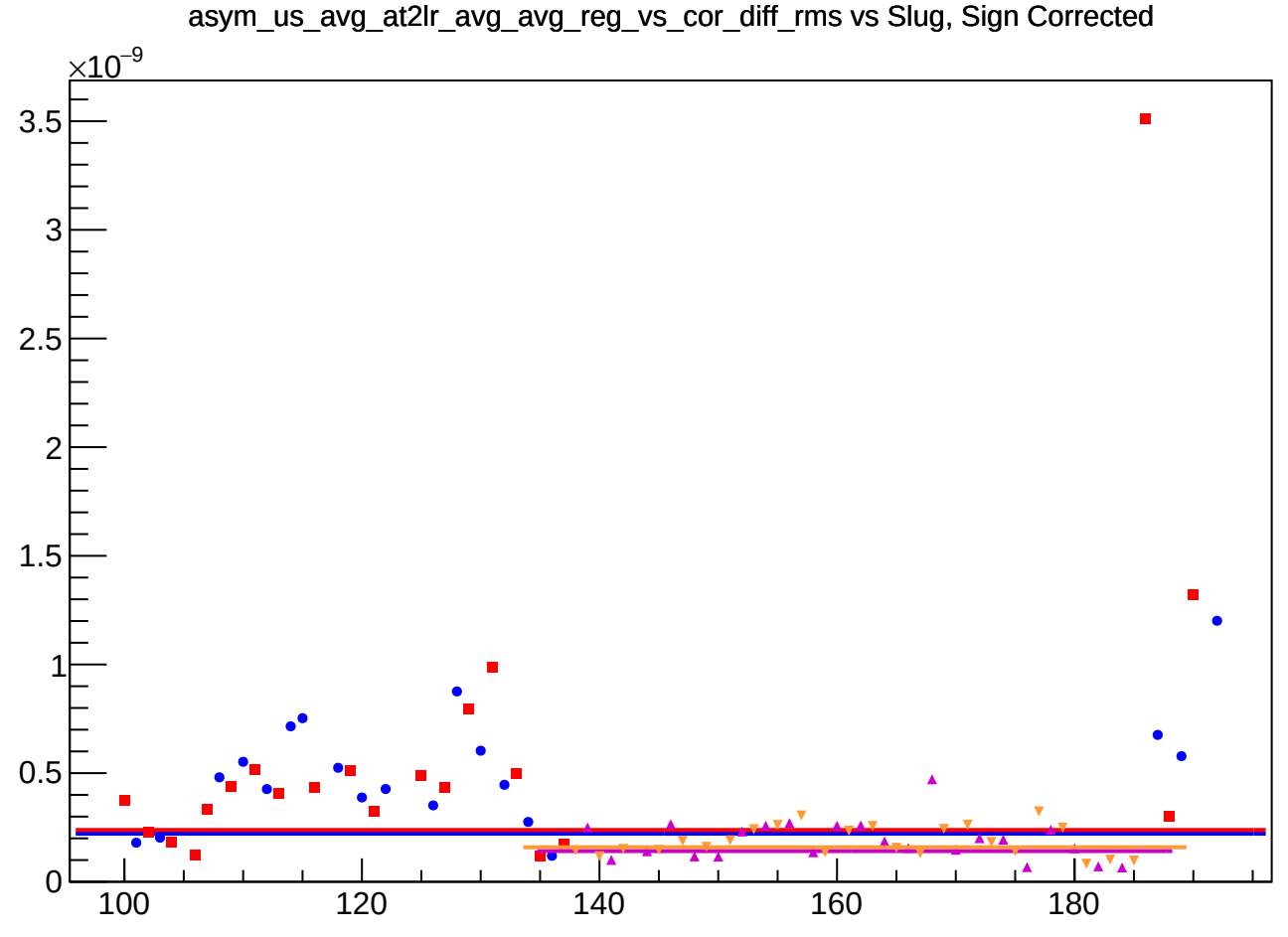
Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

Right: 0.000+/-0.000 χ^2/NDF: 34.3/39

In: -0.000+/-0.000 χ^2/NDF:43.0/41

Out: 0.000+/-0.000 χ^2/NDF:45.2/44

All: 0.000+/-0.000 χ^2/NDF: 88.9/86



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: 2259712.5/20

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

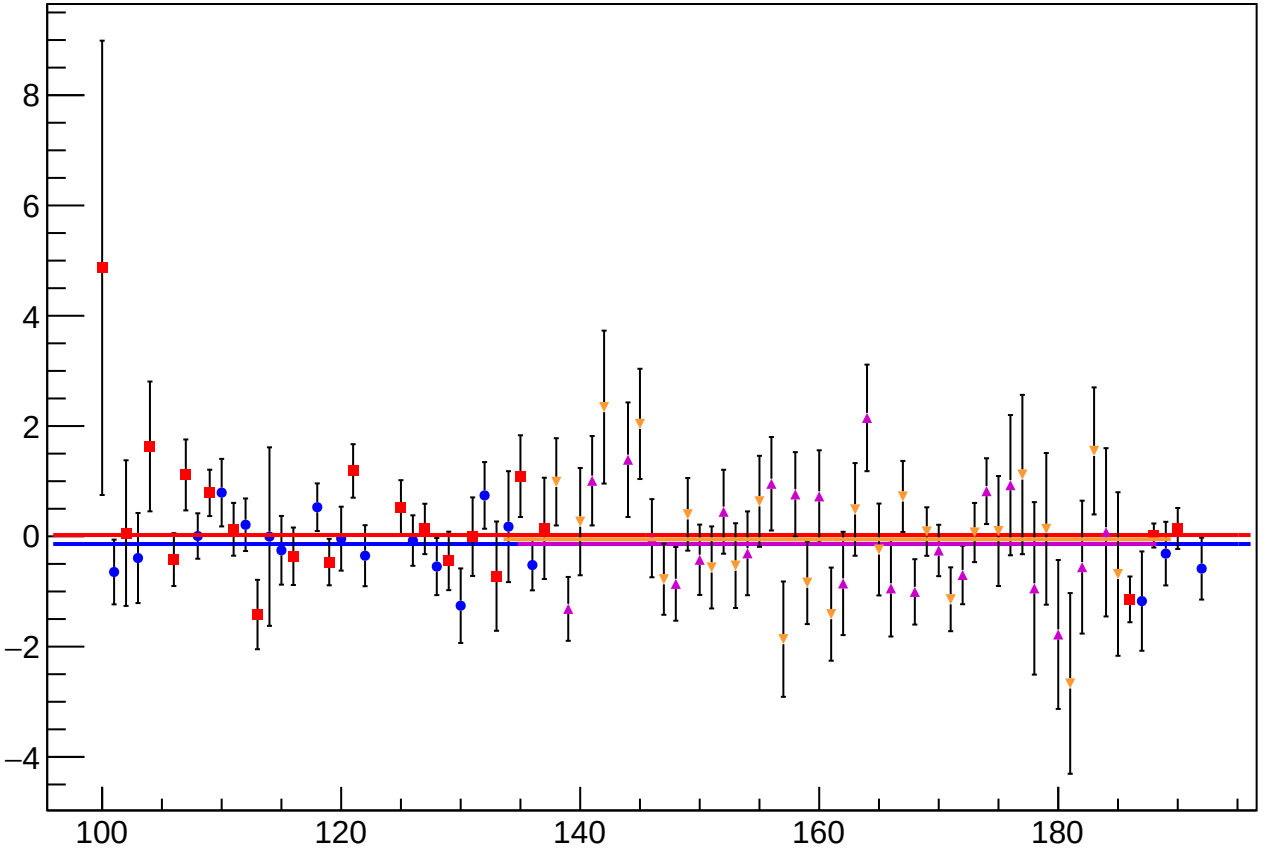
Right: 0.000+/-0.000 χ^2/NDF: 4796599.0/39

In: 0.000+/-0.000 χ^2/NDF:5468151.1/41

Out: 0.000+/-0.000 χ^2/NDF:4022563.4/44

All: 0.000+/-0.000 χ^2/NDF: 9581882.2/86

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: 0.024+/-0.107 χ^2/NDF: 35.7/20

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

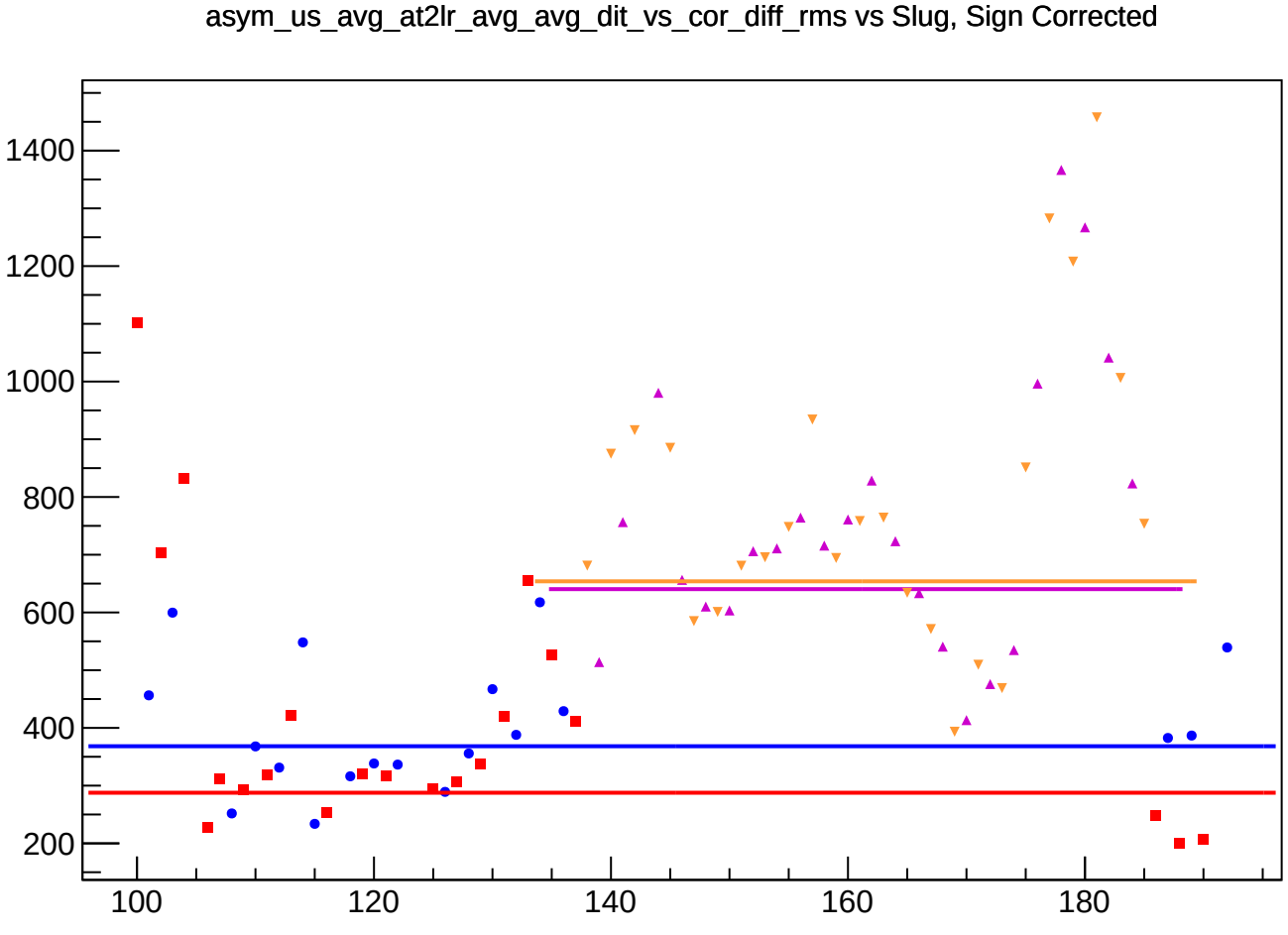
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.042+/-0.083 χ^2/NDF: 51.4/39

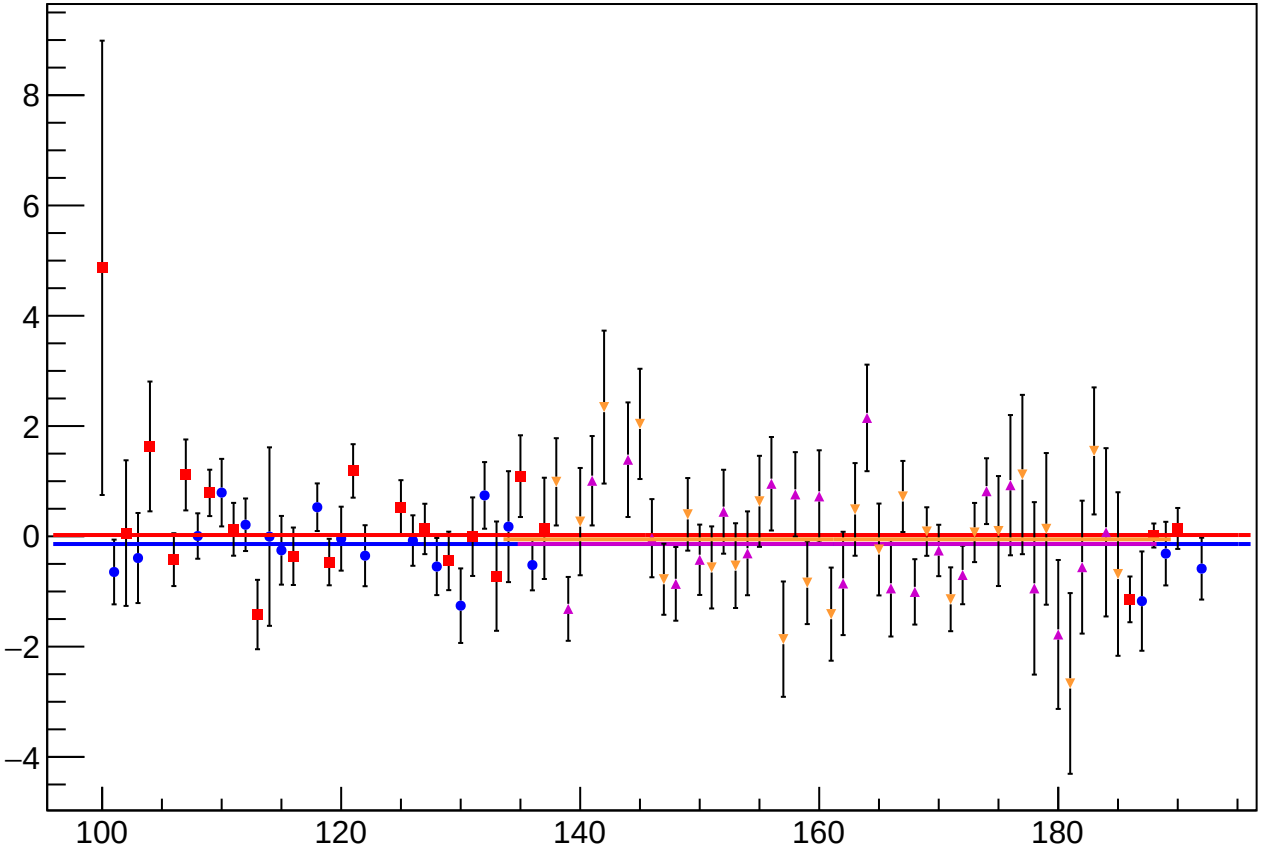
In: -0.139+/-0.101 χ^2/NDF:44.7/41

Out: 0.000+/-0.089 χ^2/NDF:66.0/44

All: -0.061+/-0.067 χ^2/NDF: 111.8/86


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: 287.700+/-0.076 χ²/NDF: 1911710.8/20
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
Left: 647.014+/-0.080 χ²/NDF: 5779634.4/46
Right: 320.176+/-0.059 χ²/NDF: 3353565.6/39
In: 478.967+/-0.071 χ²/NDF:7161870.9/41
Out: 400.223+/-0.063 χ²/NDF:12176276.2/44
All: 434.945+/-0.047 χ²/NDF: 20021981.7/86

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: 0.024+/-0.107 χ^2/NDF: 35.7/20

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

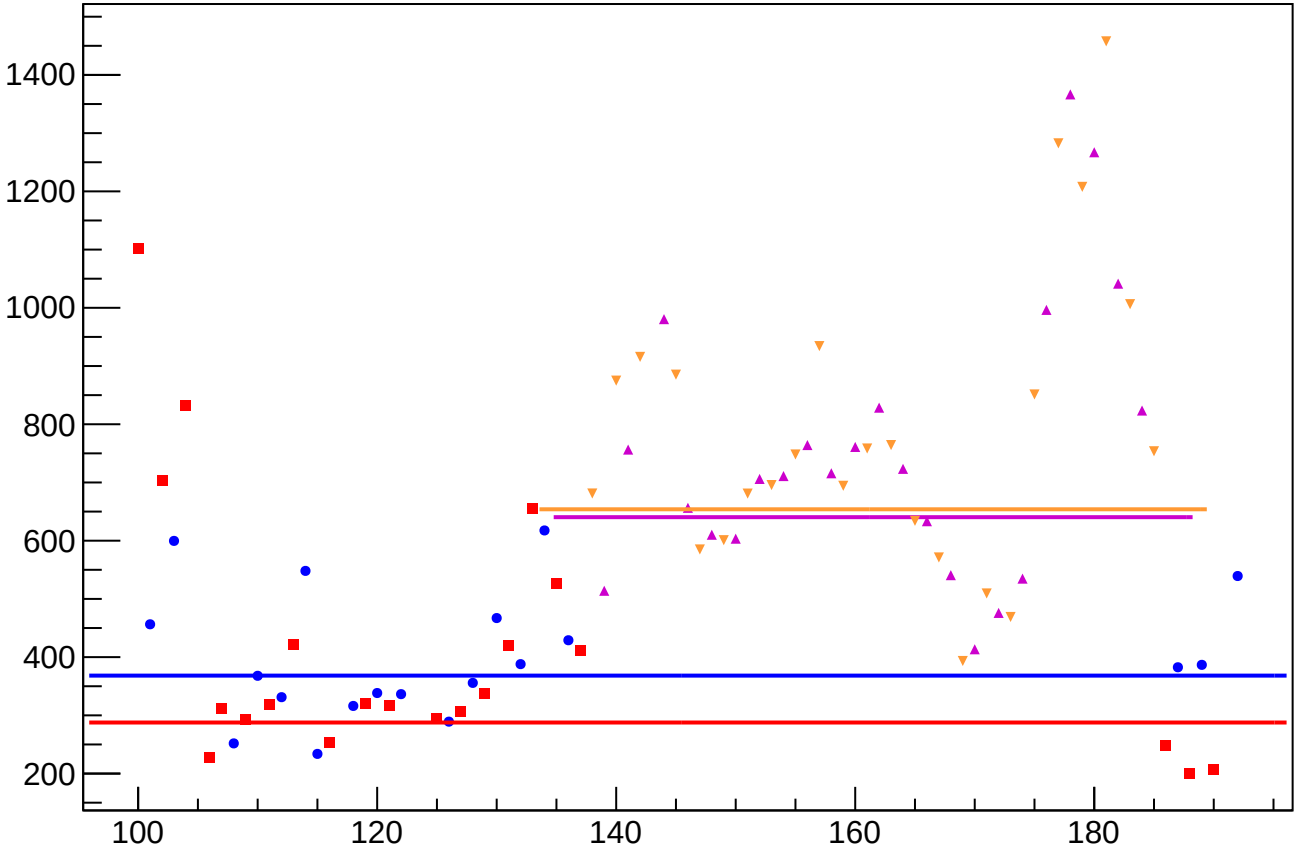
Right: -0.042+/-0.083 χ^2/NDF: 51.4/39

In: -0.139+/-0.101 χ^2/NDF:44.7/41

Out: 0.000+/-0.089 χ^2/NDF:66.0/44

All: -0.061+/-0.067 χ^2/NDF: 111.8/86

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: 287.700+/-0.076 χ^2/NDF: 1911710.8/20

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

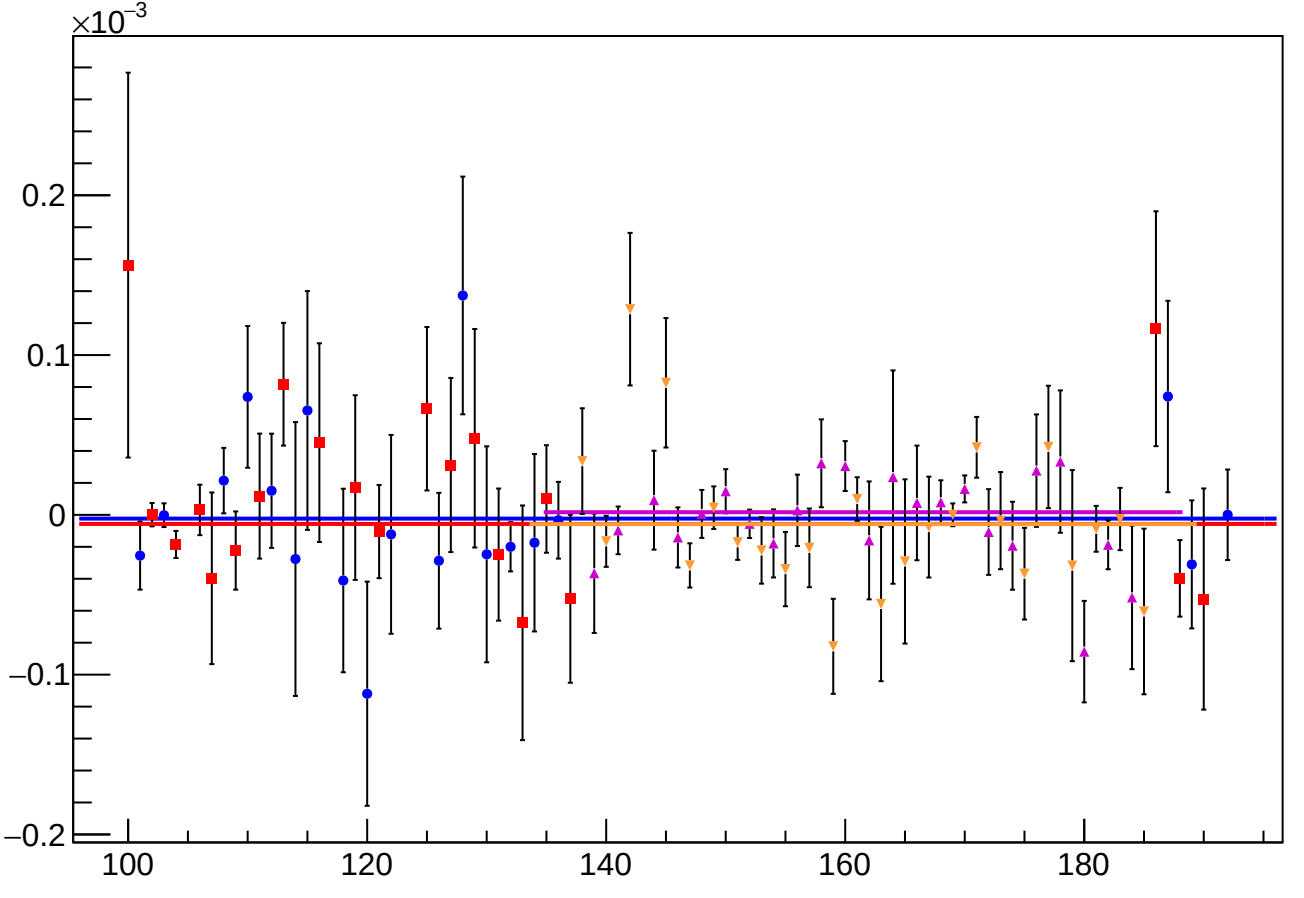
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 320.176+/-0.059 χ^2/NDF: 3353565.6/39

In: 478.967+/-0.071 χ^2/NDF:7161870.9/41

Out: 400.223+/-0.063 χ^2/NDF:12176276.2/44

All: 434.945+/-0.047 χ^2/NDF: 20021981.7/86



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: 22.4/20

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

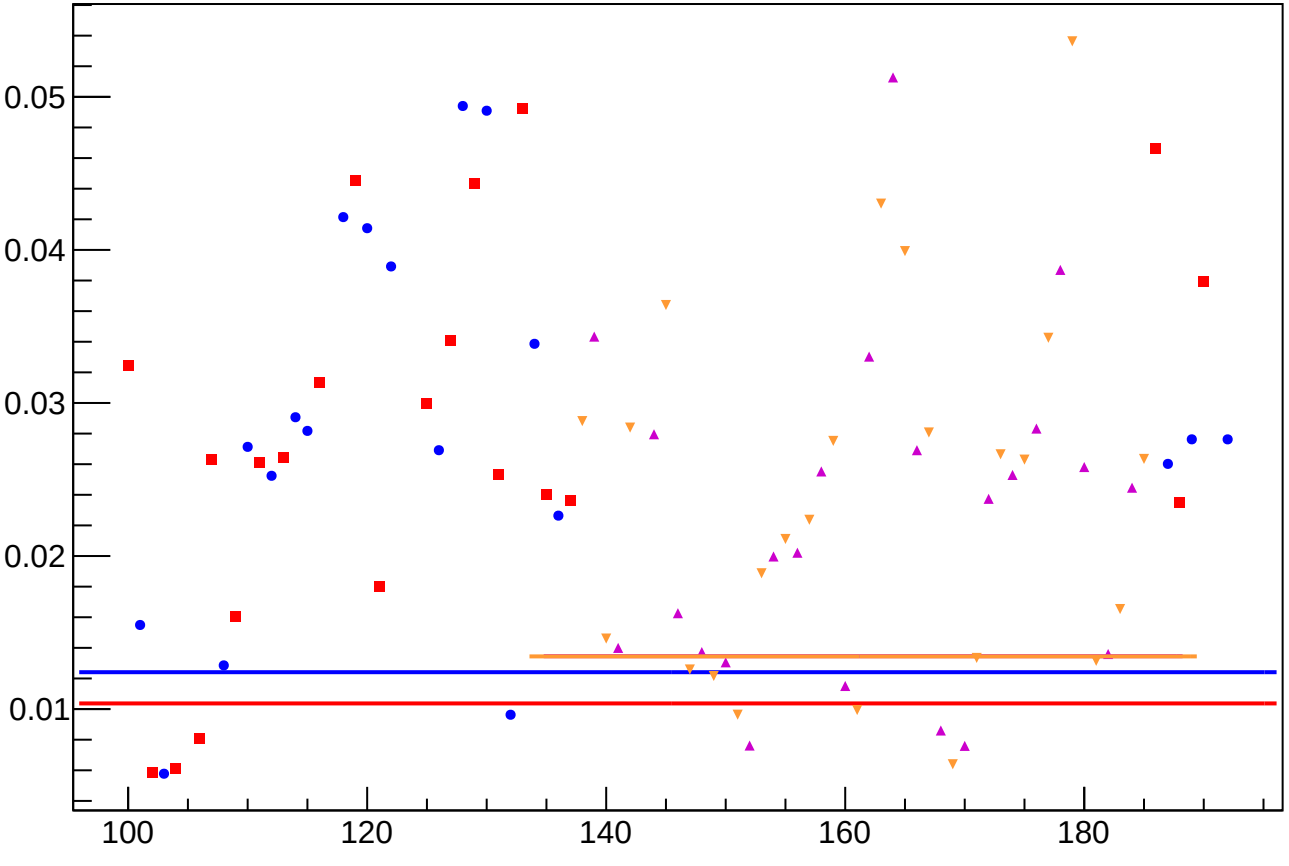
Right: -0.000+/-0.000 χ^2/NDF: 39.8/39

In: 0.000+/-0.000 χ^2/NDF:43.2/41

Out: -0.000+/-0.000 χ^2/NDF:65.0/44

All: -0.000+/-0.000 χ^2/NDF: 110.2/86

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: 0.010+/-0.000 χ^2/NDF: 7247056.3/20

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

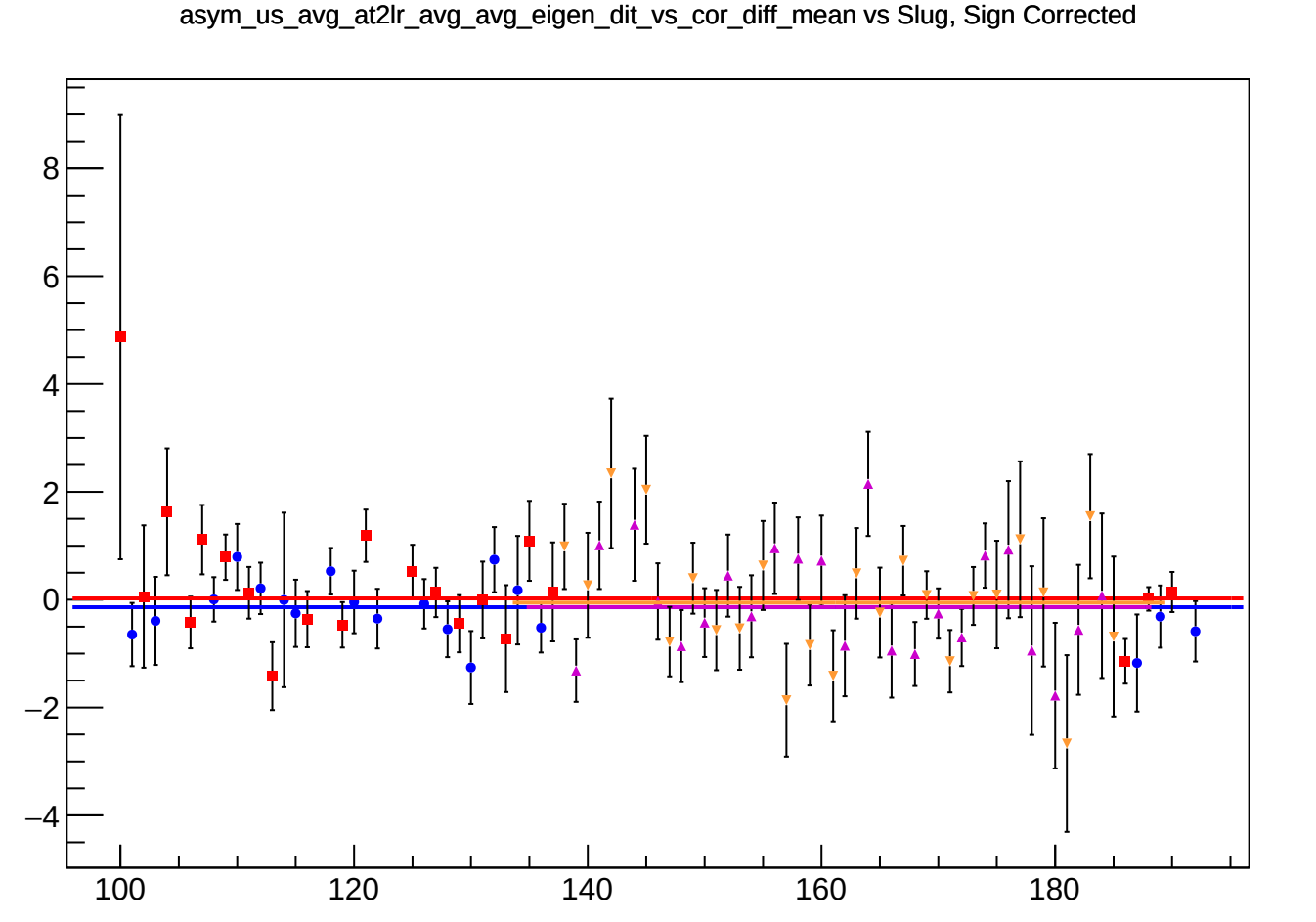
Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

Right: 0.011+/-0.000 χ^2/NDF: 13946125.0/39

In: 0.013+/-0.000 χ^2/NDF:14132779.4/41

Out: 0.012+/-0.000 χ^2/NDF:16641850.7/44

All: 0.013+/-0.000 χ^2/NDF: 30862041.3/86



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: 0.024+/-0.107 χ^2/NDF: 35.7/20

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

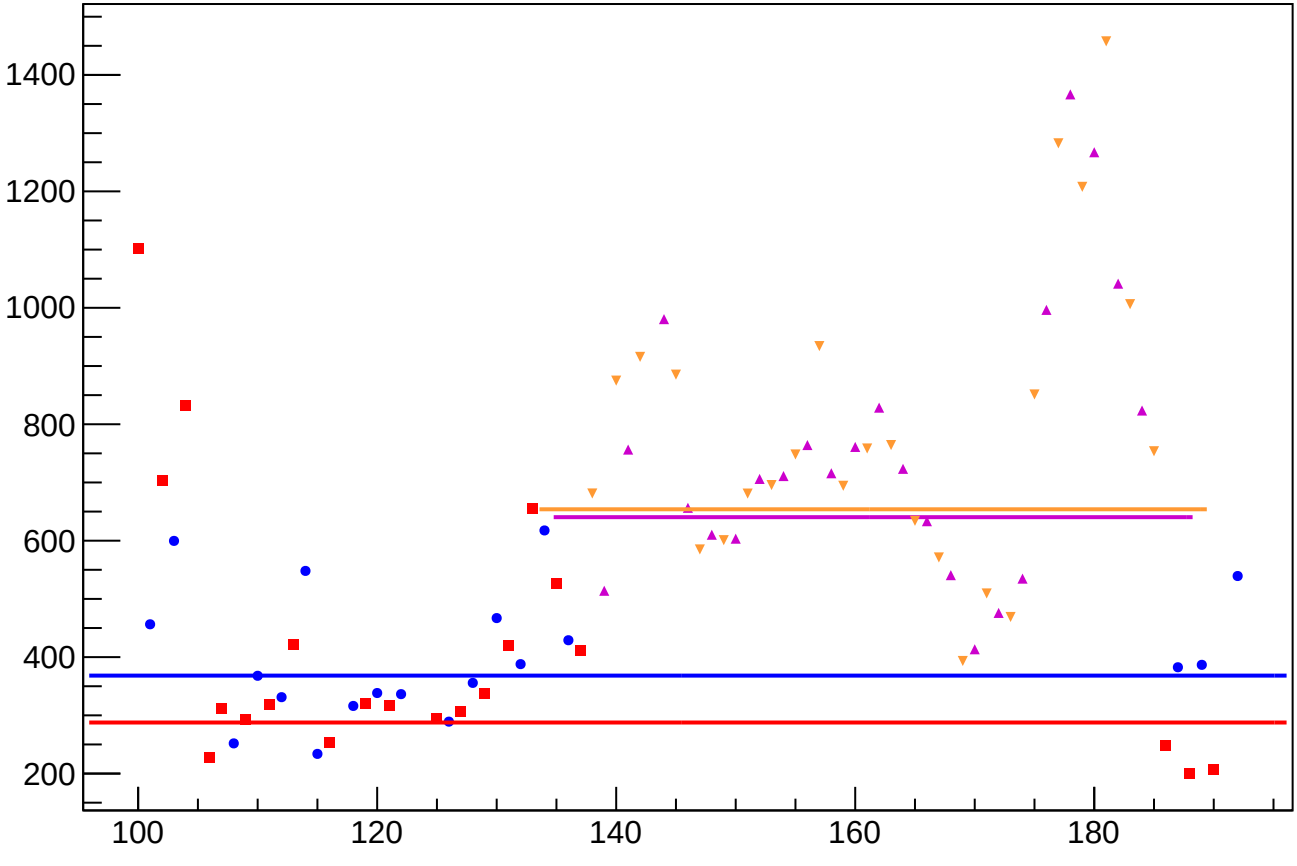
Right: -0.042+/-0.083 χ^2/NDF: 51.4/39

In: -0.139+/-0.101 χ^2/NDF:44.7/41

Out: 0.000+/-0.089 χ^2/NDF:66.0/44

All: -0.061+/-0.067 χ^2/NDF: 111.8/86

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_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: 287.694+/-0.076 χ^2/NDF: 1911782.7/20

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

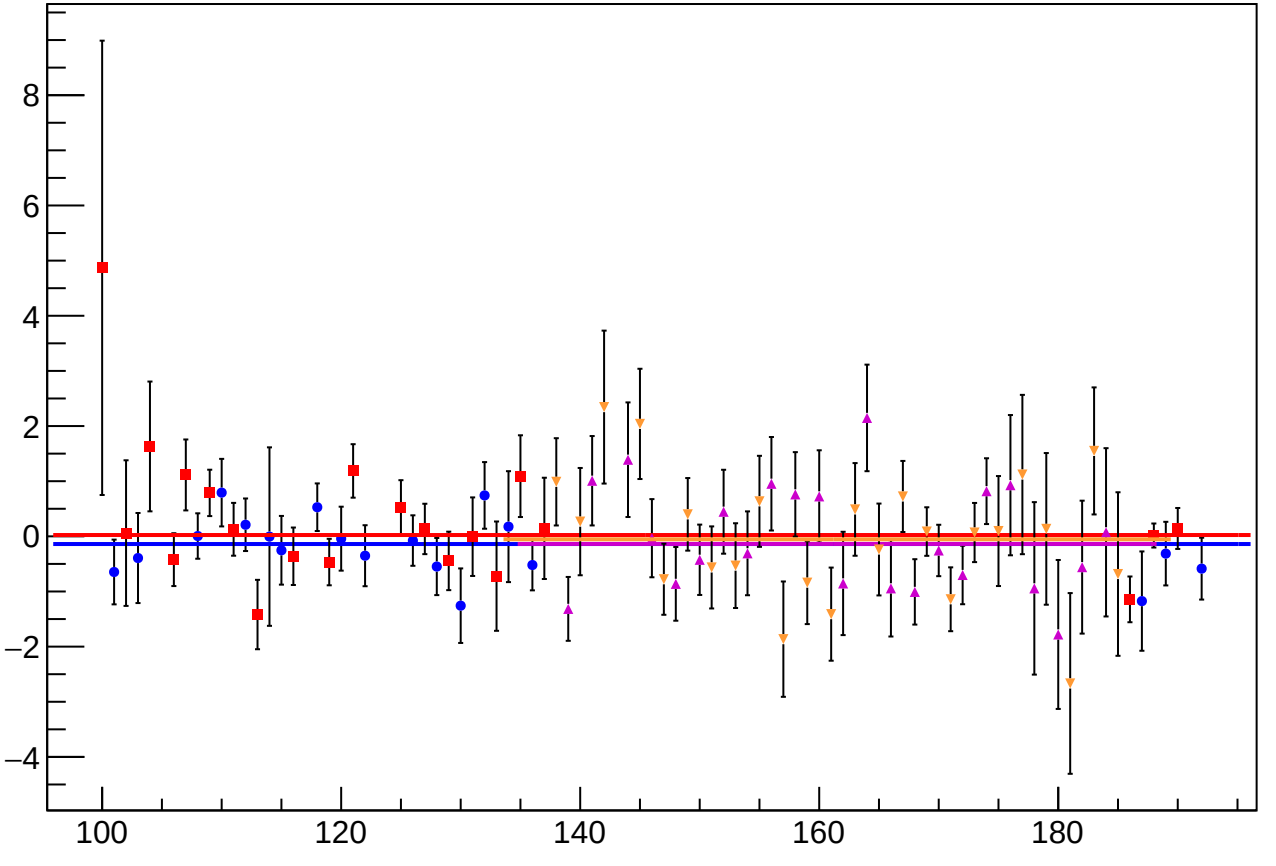
Right: 320.172+/-0.059 χ^2/NDF: 3353672.0/39

In: 478.966+/-0.071 χ^2/NDF:7162061.7/41

Out: 400.215+/-0.063 χ^2/NDF:12176869.9/44

All: 434.940+/-0.047 χ^2/NDF: 20022893.7/86

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: 0.024+/-0.107 χ^2/NDF: 35.7/20

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

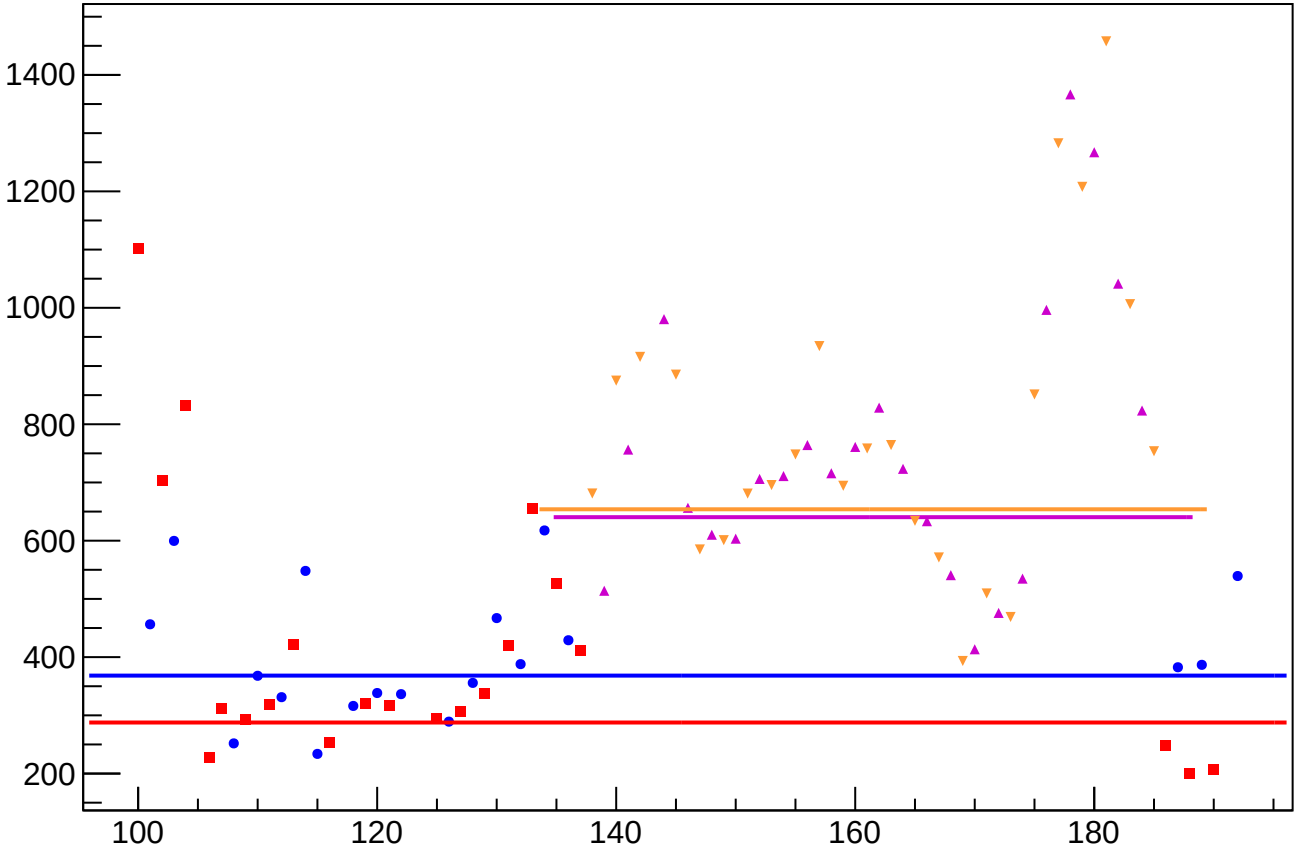
Right: -0.042+/-0.083 χ^2/NDF: 51.4/39

In: -0.139+/-0.101 χ^2/NDF:44.7/41

Out: 0.000+/-0.089 χ^2/NDF:66.0/44

All: -0.061+/-0.067 χ^2/NDF: 111.8/86

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: 287.694+/-0.076 χ^2/NDF: 1911782.7/20

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

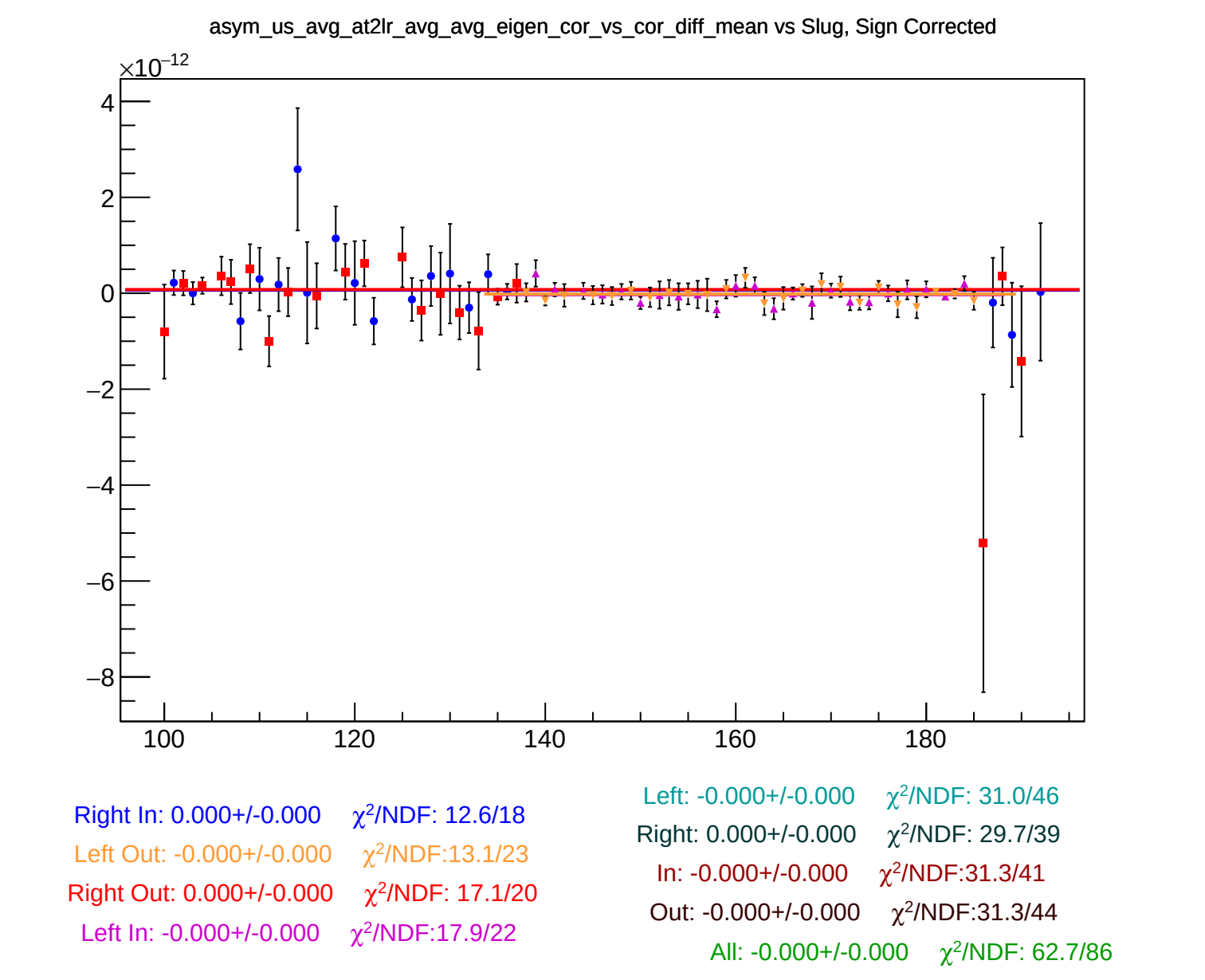
Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

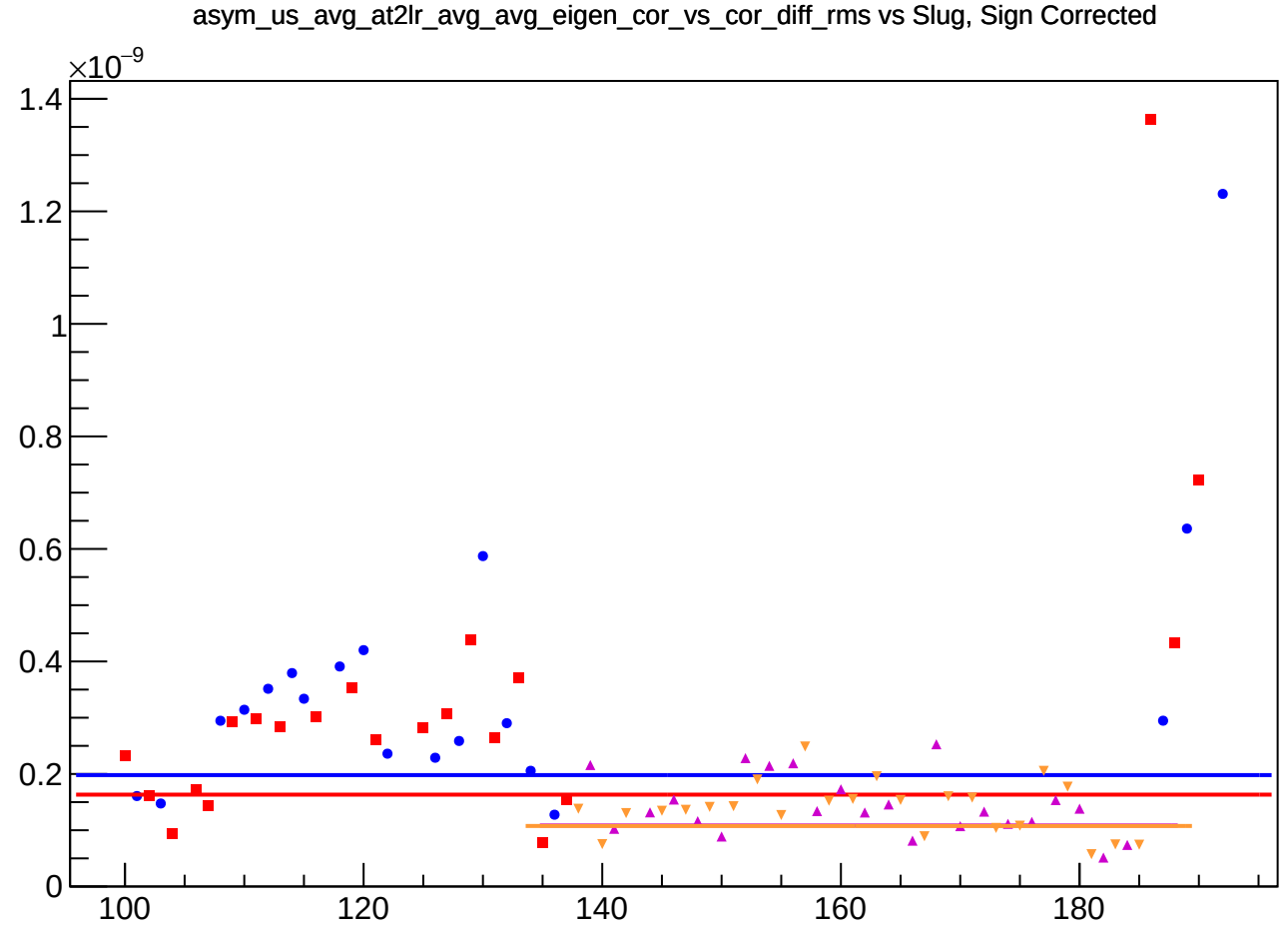
Right: 320.172+/-0.059 χ^2/NDF: 3353672.0/39

In: 478.966+/-0.071 χ^2/NDF:7162061.7/41

Out: 400.215+/-0.063 χ^2/NDF:12176869.9/44

All: 434.940+/-0.047 χ^2/NDF: 20022893.7/86


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: 17.1/20
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: 29.7/39
In: -0.000+/-0.000 χ²/NDF:31.3/41
Out: -0.000+/-0.000 χ²/NDF:31.3/44
All: -0.000+/-0.000 χ²/NDF: 62.7/86



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: 3173656.2/20

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

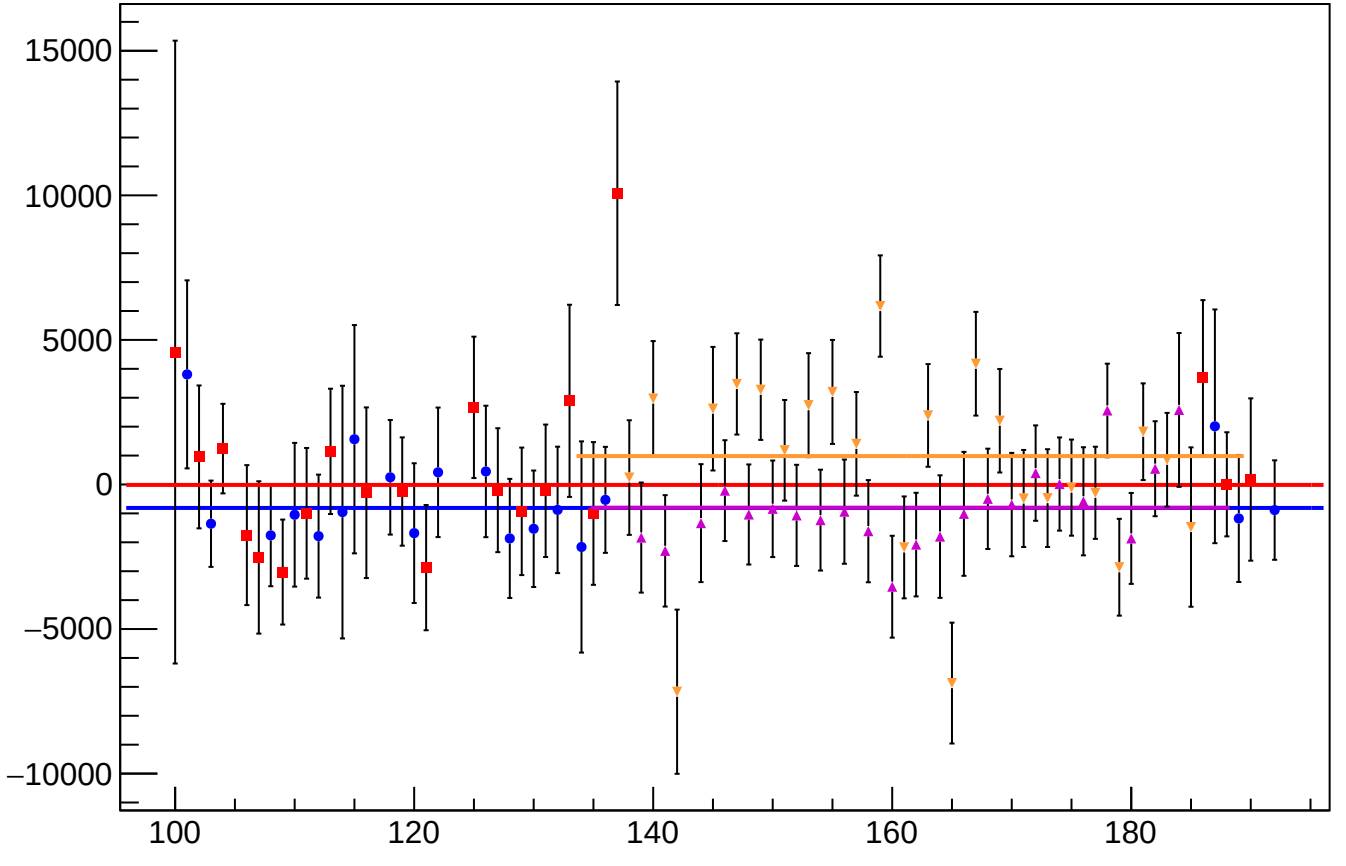
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 6245742.3/39

In: 0.000+/-0.000 χ^2/NDF:8369874.0/41

Out: 0.000+/-0.000 χ^2/NDF:7379306.3/44

All: 0.000+/-0.000 χ^2/NDF: 15759273.0/86



Right In: -811.249+/-509.325 χ^2/NDF: 5.1/18

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -15.499+/-505.988 χ^2/NDF: 18.4/20

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

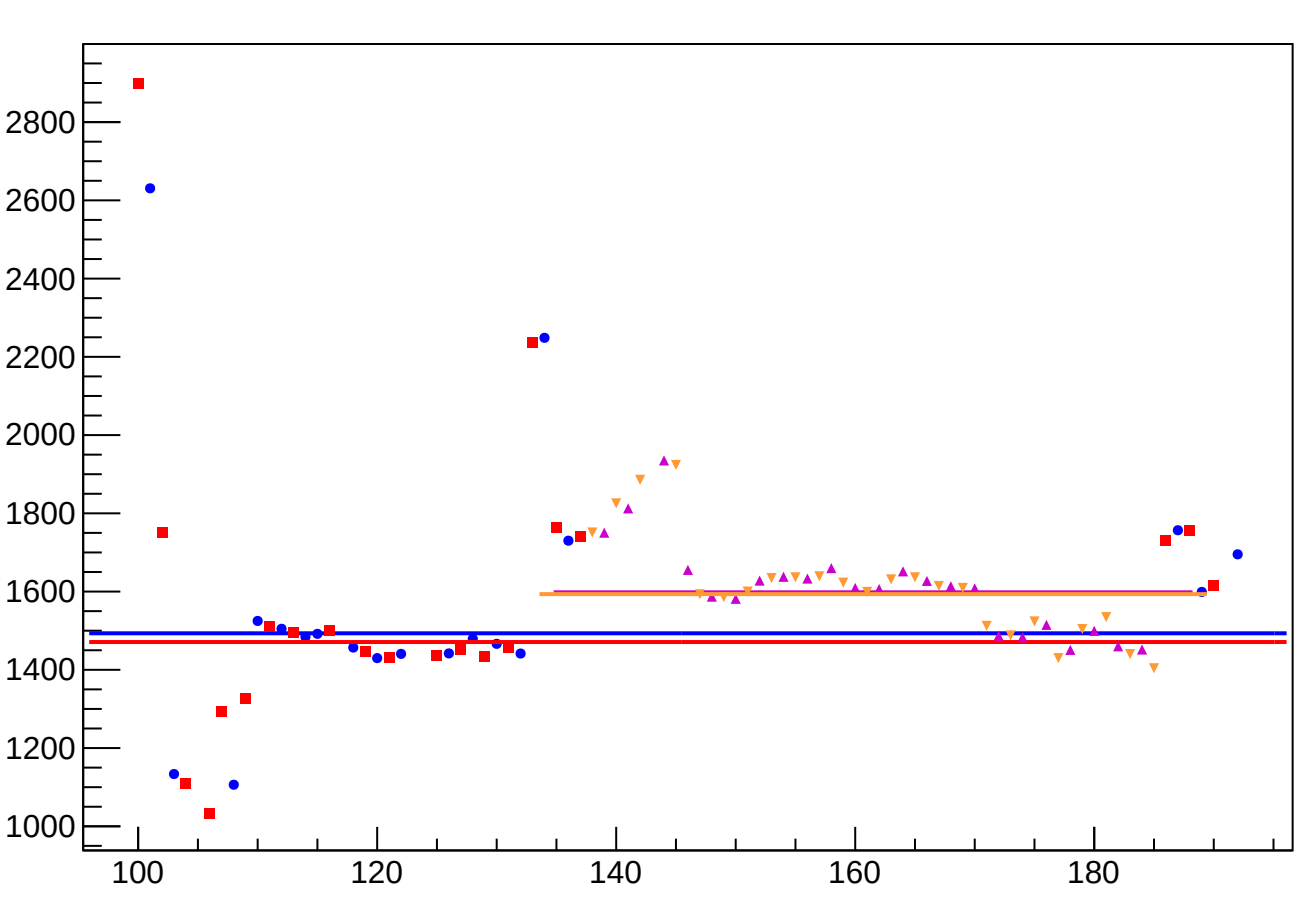
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -410.759+/-358.961 χ^2/NDF: 24.8/39

In: -806.480+/-301.490 χ^2/NDF:17.6/41

Out: 633.183+/-299.110 χ^2/NDF:76.5/44

All: -80.944+/-212.339 χ^2/NDF: 105.6/86



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: 1471.030+/-0.356 χ^2/NDF: 497516.3/20

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

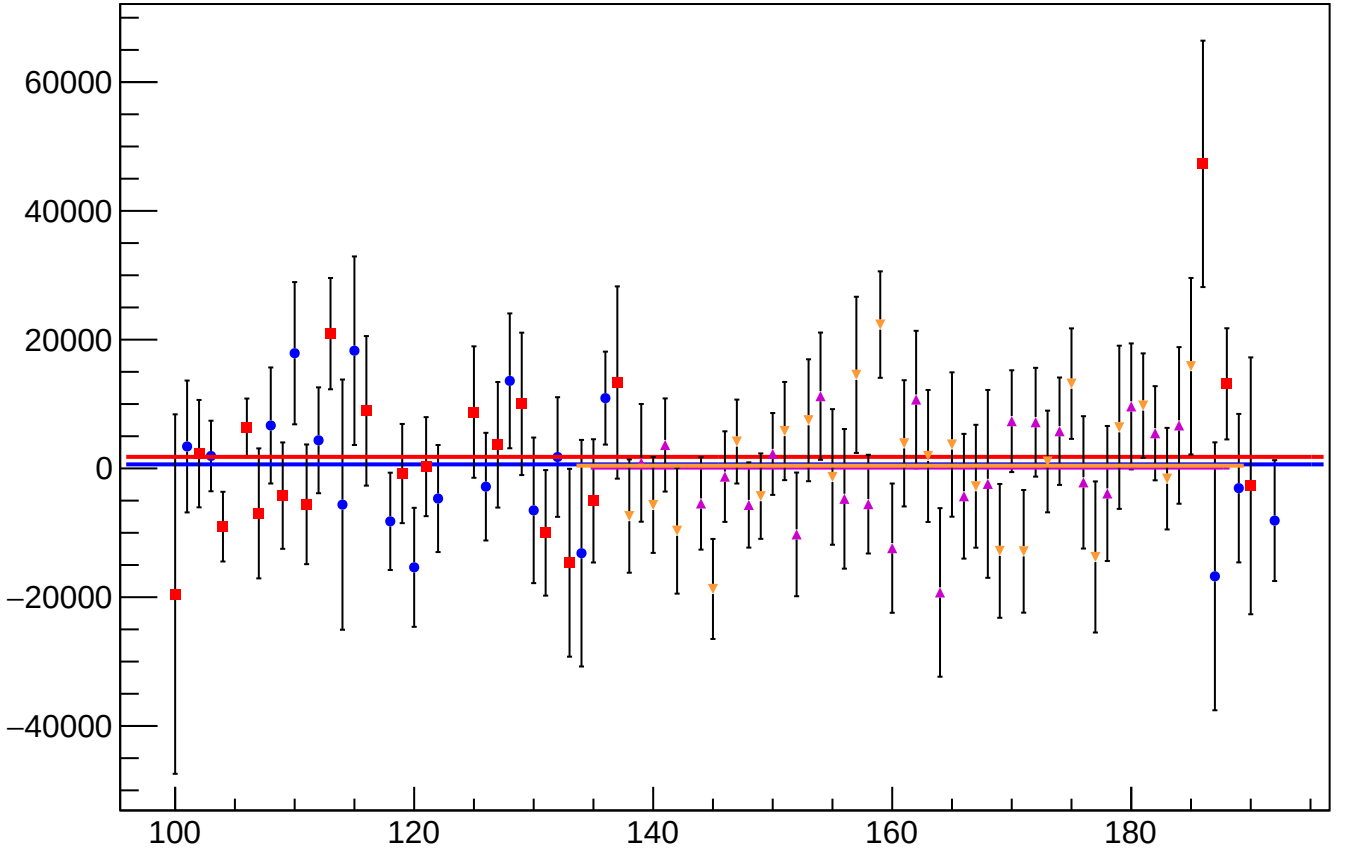
Right: 1482.052+/-0.253 χ^2/NDF: 1122819.2/39

In: 1561.413+/-0.213 χ^2/NDF:847472.4/41

Out: 1550.338+/-0.211 χ^2/NDF:761960.4/44

All: 1555.820+/-0.150 χ^2/NDF: 1610795.8/86

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: 1793.508+/-1939.639 χ^2/NDF: 25.2/20

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

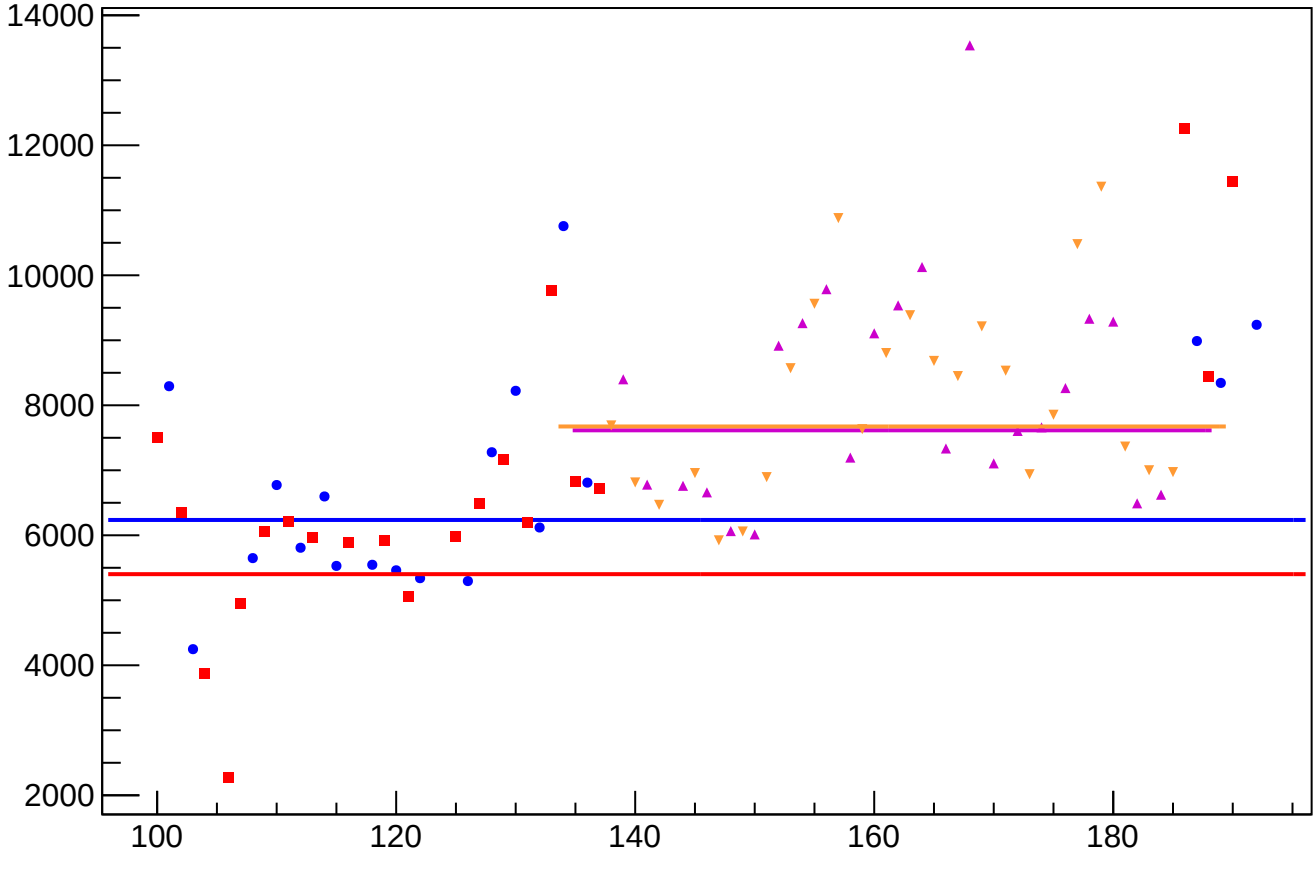
Right: 1271.510+/-1441.289 χ^2/NDF: 41.4/39

In: 334.632+/-1387.809 χ^2/NDF:29.9/41

Out: 1066.609+/-1327.168 χ^2/NDF:54.9/44

All: 716.962+/-959.171 χ^2/NDF: 84.9/86

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: 5401.969+/-1.372 χ^2/NDF: 2214592.7/20

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

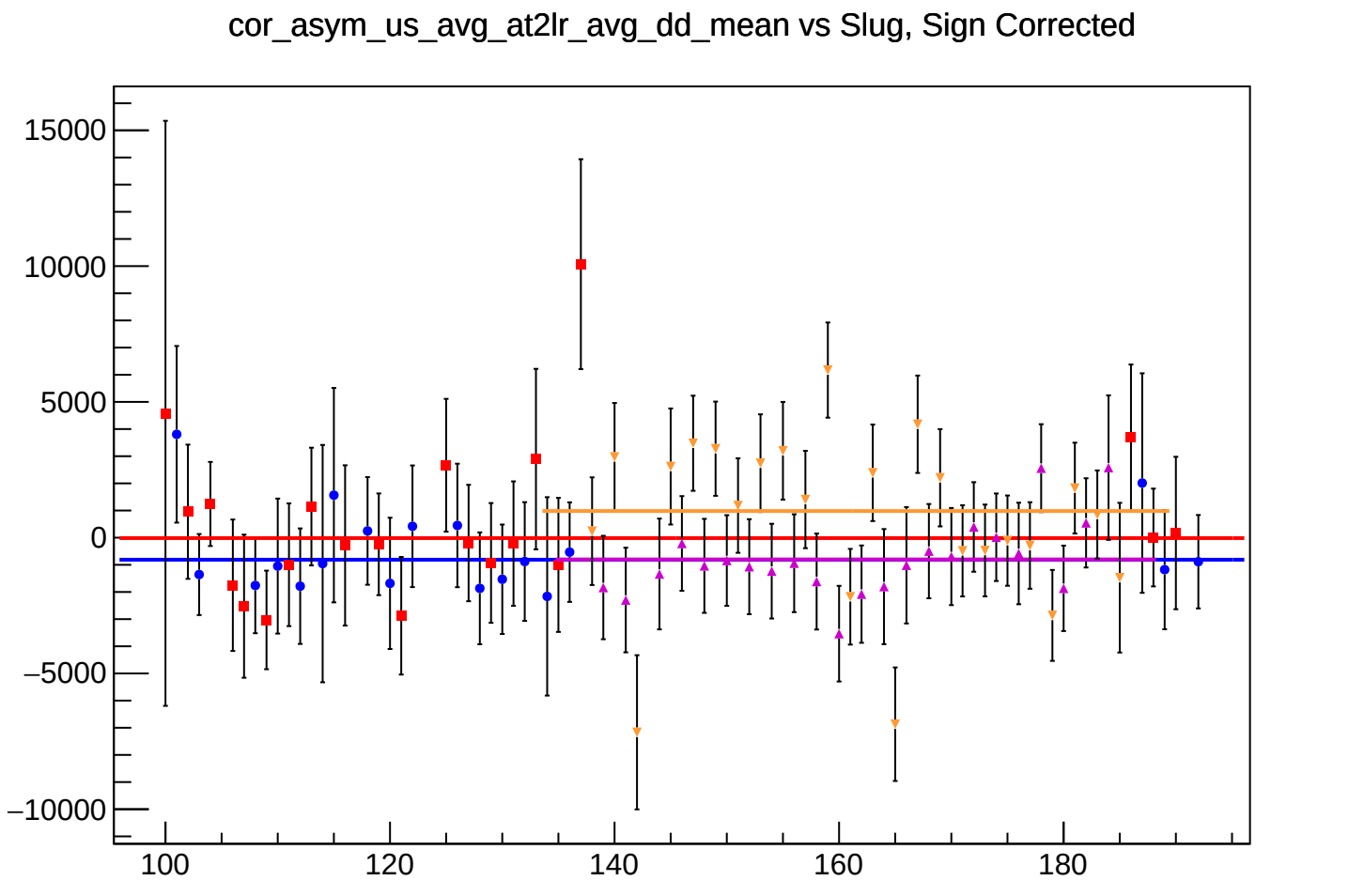
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 5775.366+/-1.019 χ^2/NDF: 3360446.3/39

In: 7042.275+/-0.981 χ^2/NDF:2684523.8/41

Out: 6610.319+/-0.938 χ^2/NDF:4750815.3/44

All: 6816.654+/-0.678 χ^2/NDF: 7536541.0/86



Right In: -811.323+/-509.325 χ^2/NDF: 5.1/18

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -15.371+/-505.988 χ^2/NDF: 18.4/20

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

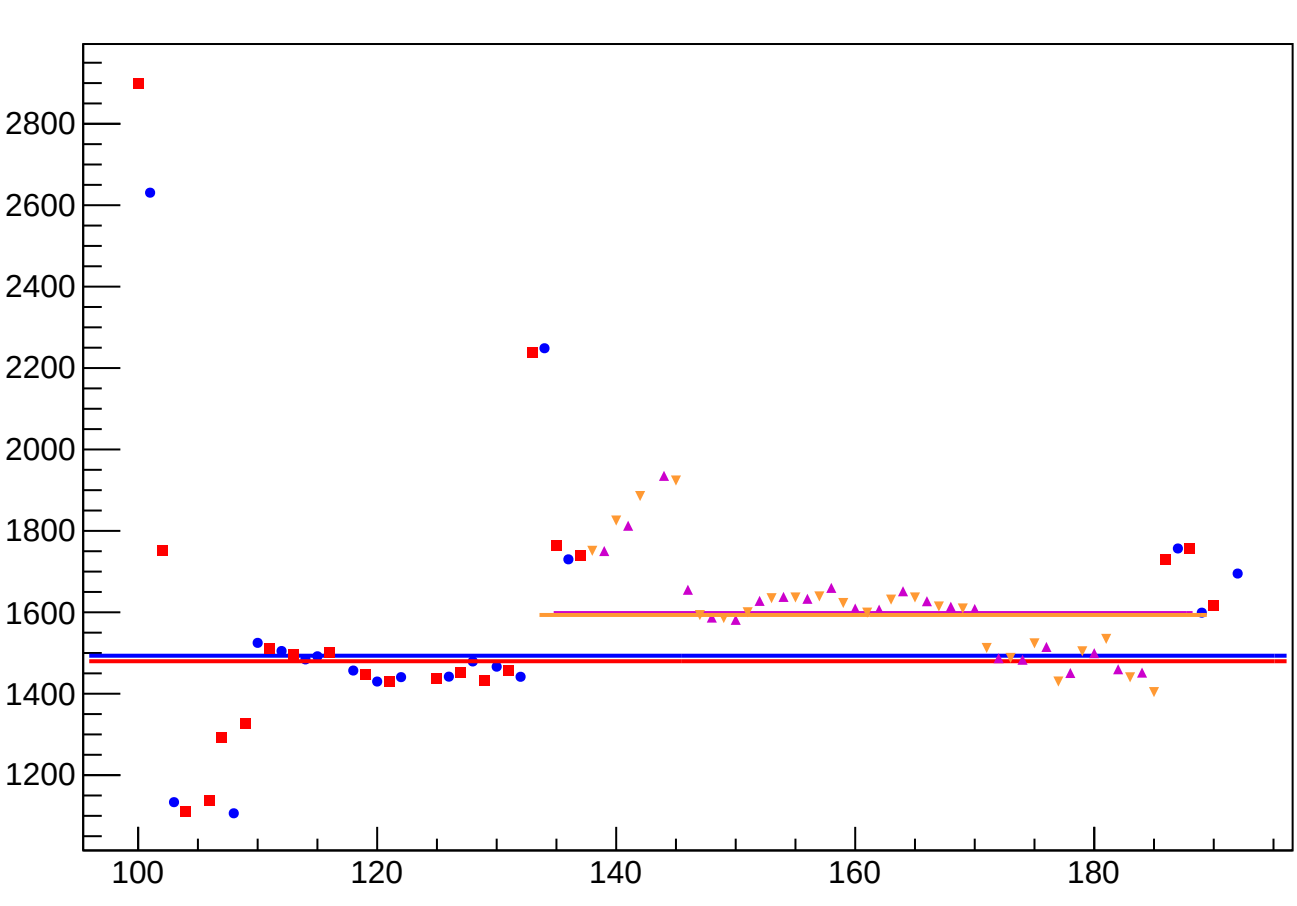
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -410.730+/-358.961 χ^2/NDF: 24.8/39

In: -806.425+/-301.490 χ^2/NDF:17.6/41

Out: 633.283+/-299.110 χ^2/NDF:76.5/44

All: -80.866+/-212.339 χ^2/NDF: 105.6/86



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: 1479.786+/-0.357 χ^2/NDF: 454002.7/20

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

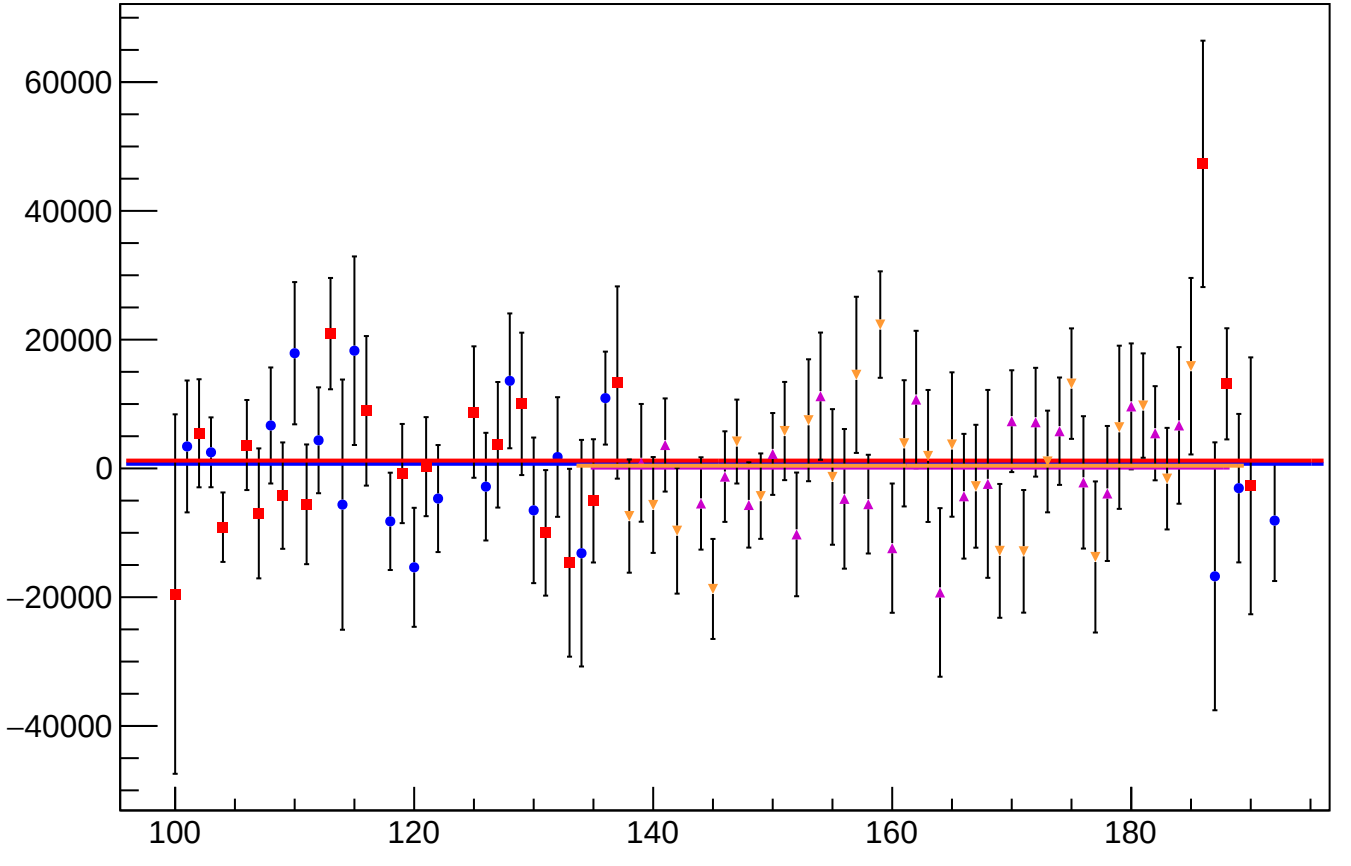
Right: 1486.517+/-0.254 χ^2/NDF: 1078074.9/39

In: 1561.413+/-0.213 χ^2/NDF:847472.8/41

Out: 1553.650+/-0.211 χ^2/NDF:707477.2/44

All: 1557.498+/-0.150 χ^2/NDF: 1555618.6/86

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: 1215.365+/-2047.847 χ^2/NDF: 24.5/20

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

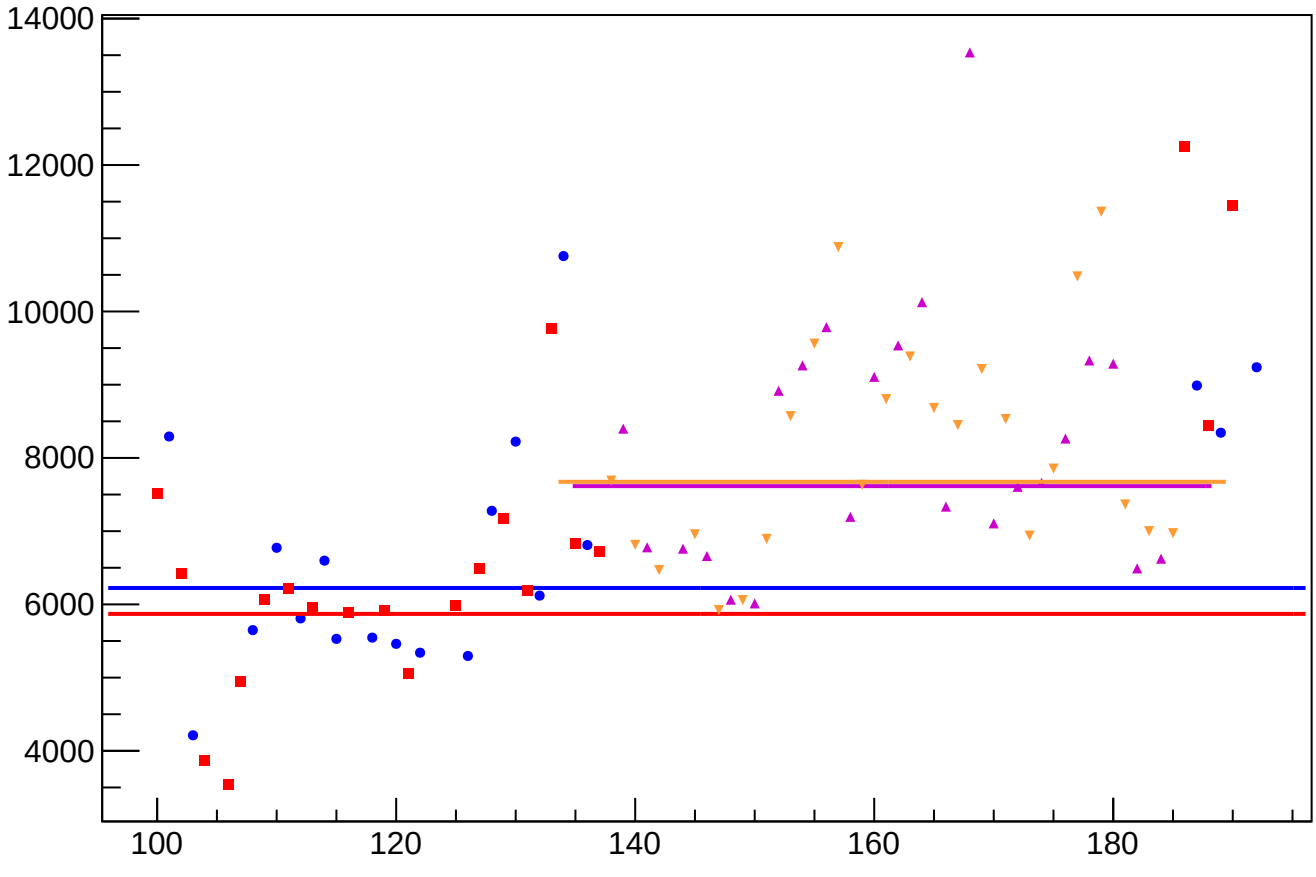
Right: 980.643+/-1483.003 χ^2/NDF: 40.6/39

In: 374.047+/-1386.943 χ^2/NDF:30.0/41

Out: 774.710+/-1360.336 χ^2/NDF:54.0/44

All: 578.258+/-971.173 χ^2/NDF: 84.0/86

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: 5870.094+/-1.448 χ^2/NDF: 1320859.3/20

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

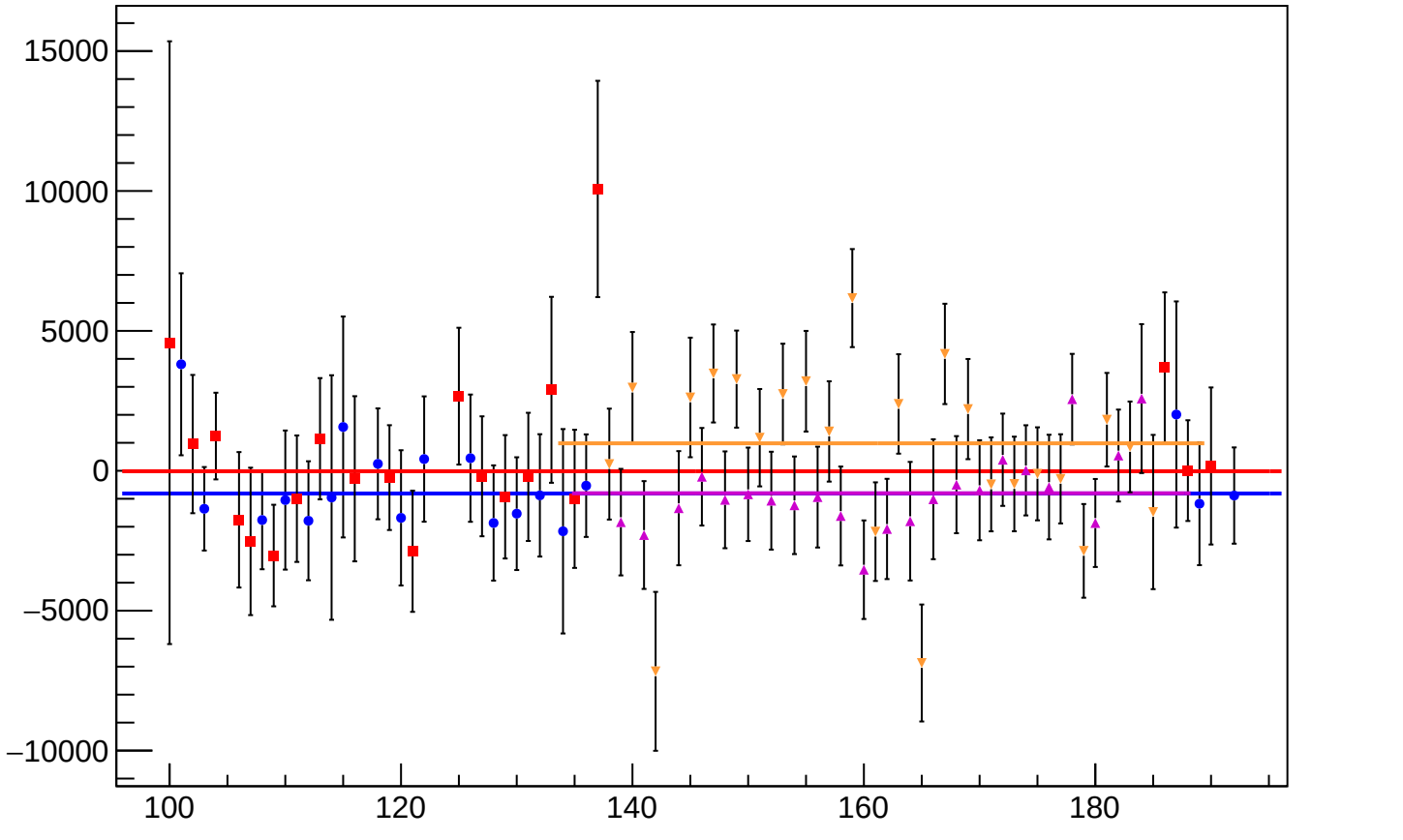
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 6038.474+/-1.049 χ^2/NDF: 2344382.8/39

In: 7036.450+/-0.981 χ^2/NDF:2708202.3/41

Out: 6878.038+/-0.962 χ^2/NDF:3264734.2/44

All: 6955.710+/-0.687 χ^2/NDF: 5986234.6/86



Right In: -811.323+/-509.325 χ^2/NDF: 5.1/18

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -15.371+/-505.988 χ^2/NDF: 18.4/20

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

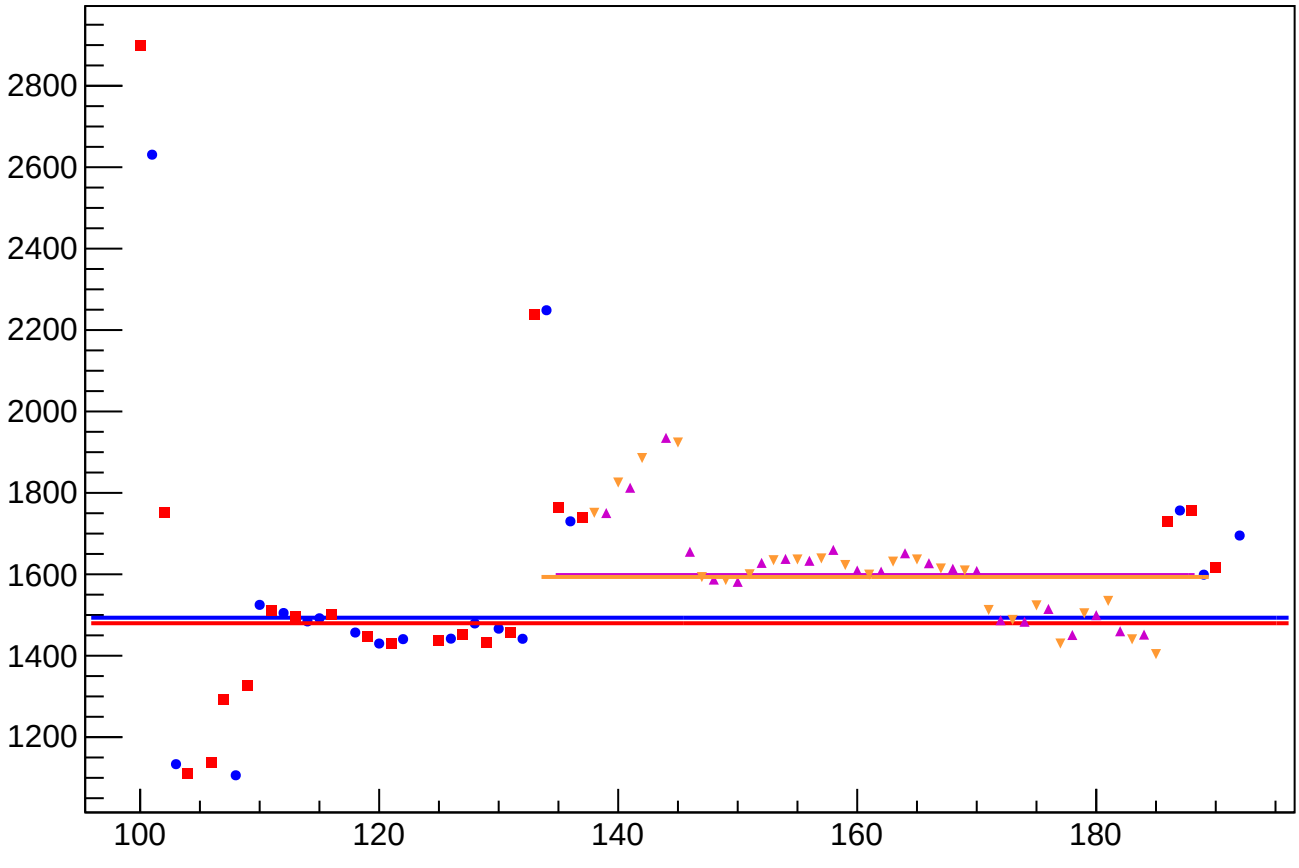
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -410.730+/-358.961 χ^2/NDF: 24.8/39

In: -806.425+/-301.490 χ^2/NDF:17.6/41

Out: 633.283+/-299.110 χ^2/NDF:76.5/44

All: -80.866+/-212.339 χ^2/NDF: 105.6/86



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: 1479.786+/-0.357 χ^2/NDF: 454002.7/20

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

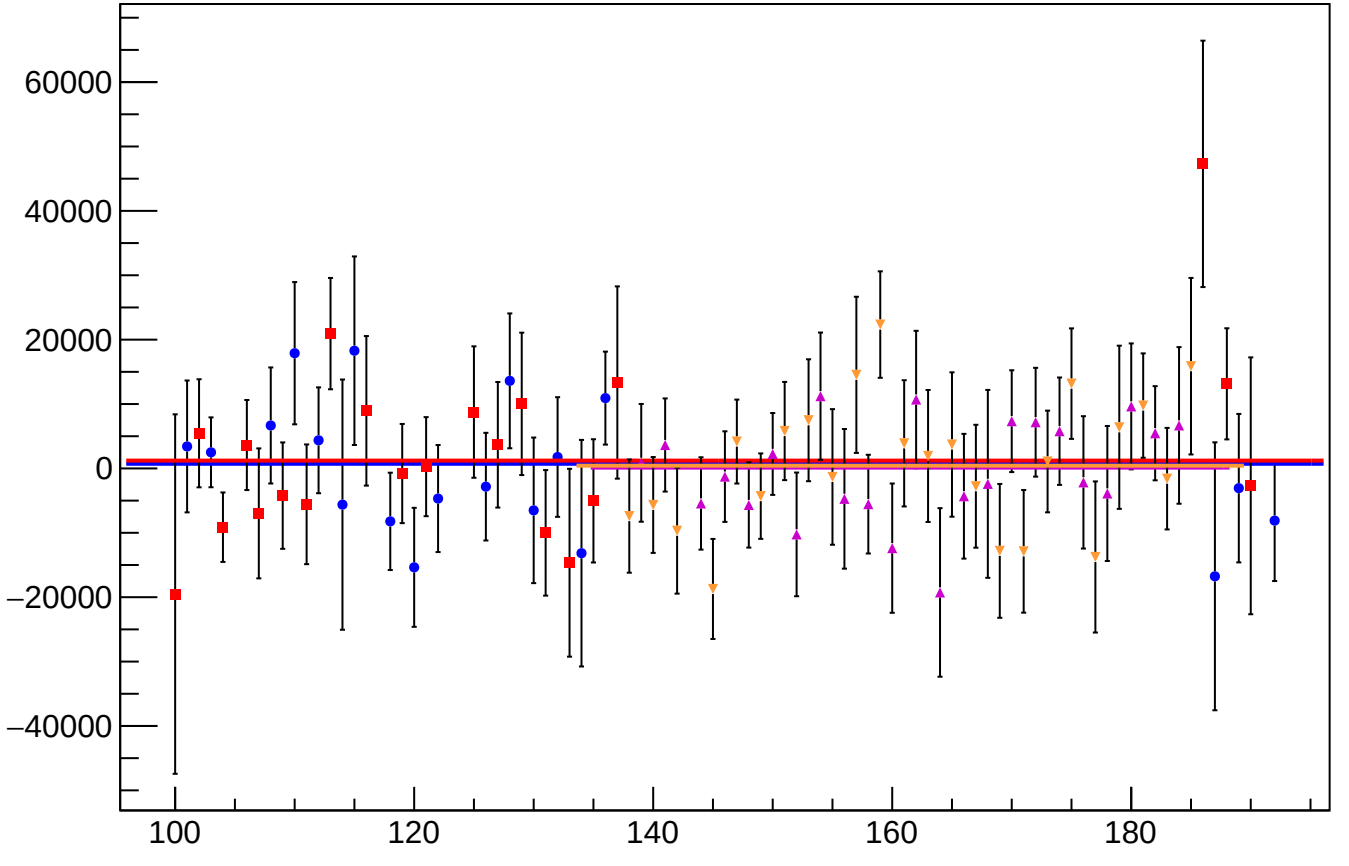
Right: 1486.517+/-0.254 χ^2/NDF: 1078074.9/39

In: 1561.413+/-0.213 χ^2/NDF:847472.8/41

Out: 1553.650+/-0.211 χ^2/NDF:707477.2/44

All: 1557.498+/-0.150 χ^2/NDF: 1555618.6/86

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: 1215.365+/-2047.847 χ^2/NDF: 24.5/20

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

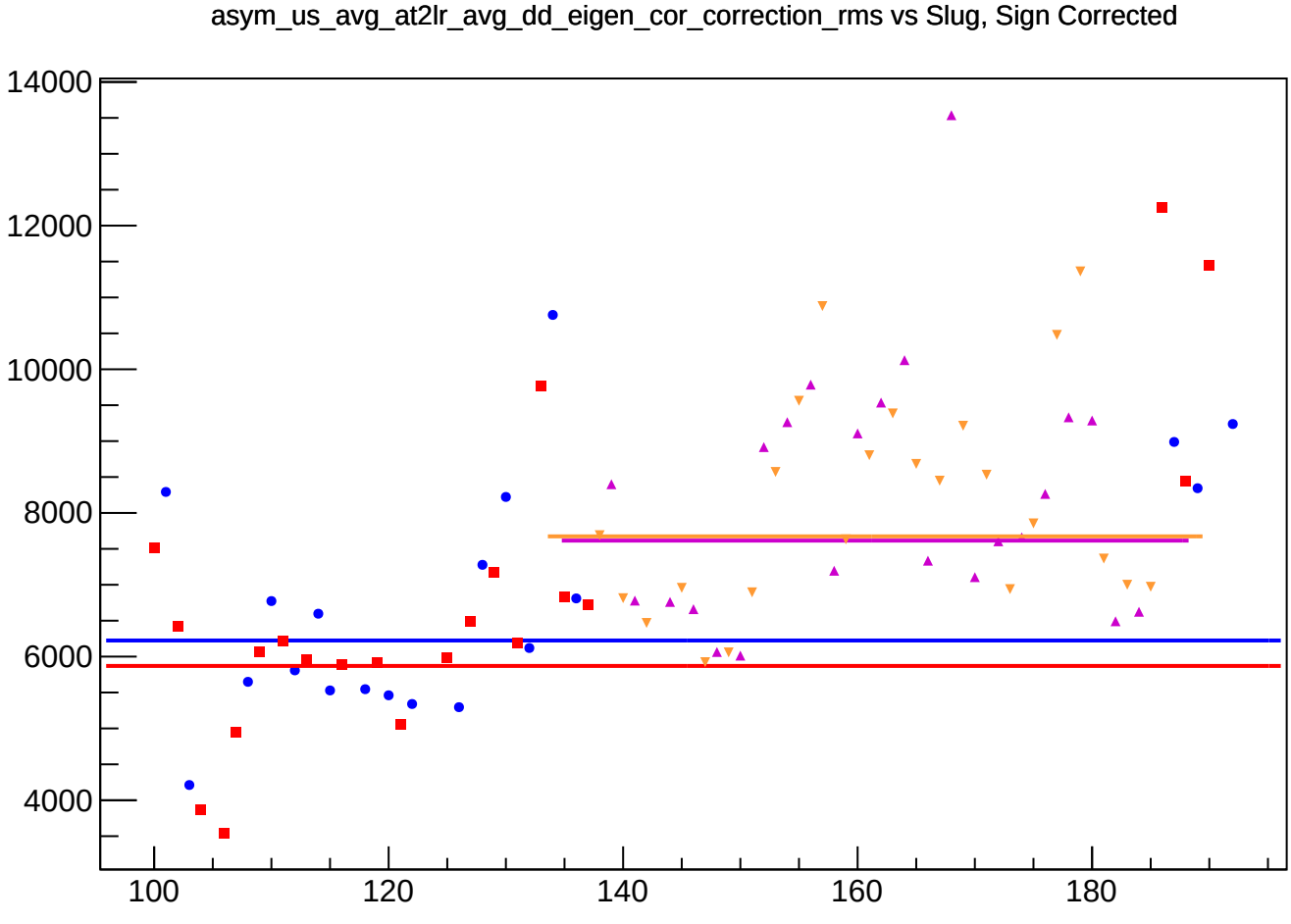
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

Right: 980.643+/-1483.003 χ^2/NDF: 40.6/39

In: 374.047+/-1386.943 χ^2/NDF:30.0/41

Out: 774.710+/-1360.336 χ^2/NDF:54.0/44

All: 578.258+/-971.173 χ^2/NDF: 84.0/86



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: 5870.094+/-1.448 χ^2/NDF: 1320859.3/20

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

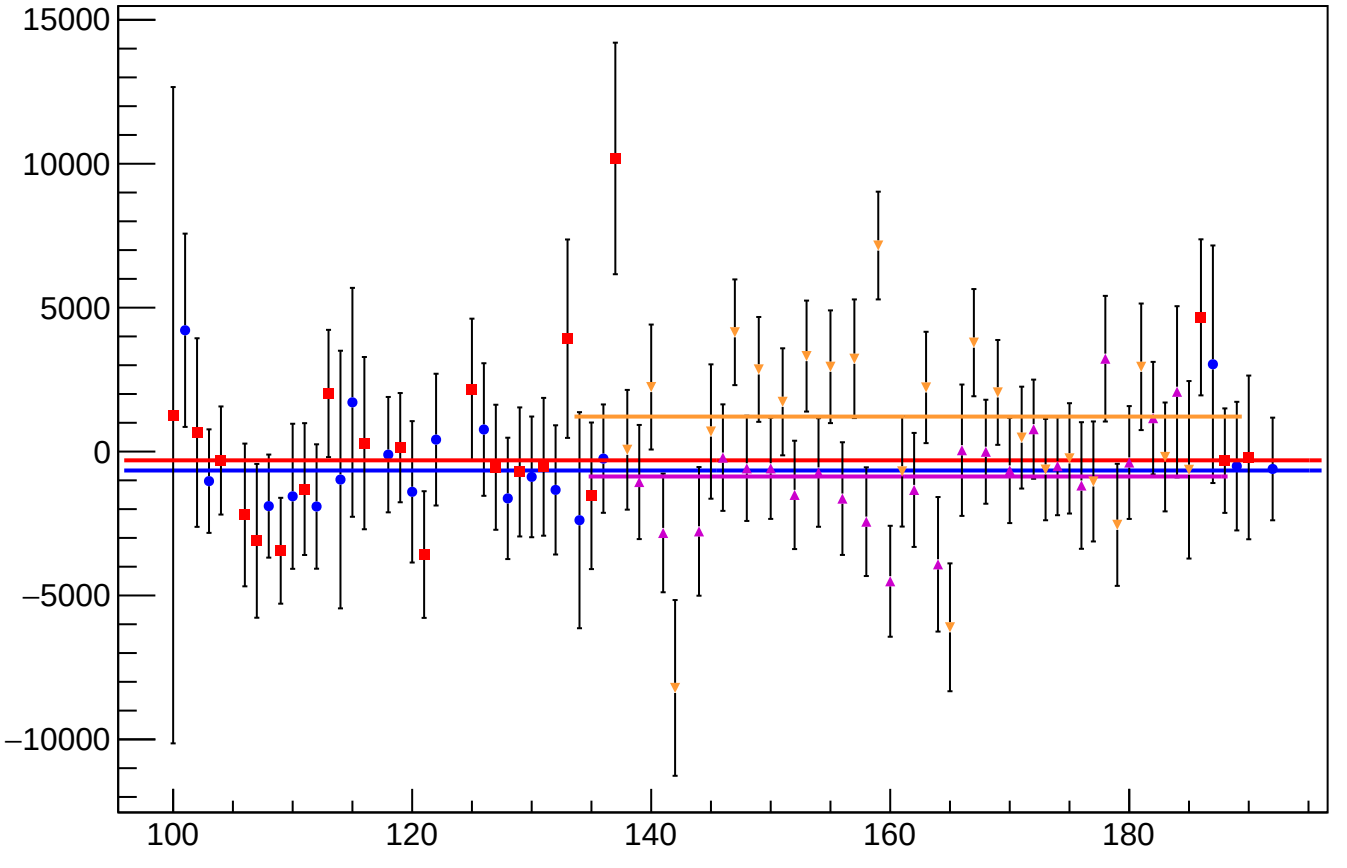
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

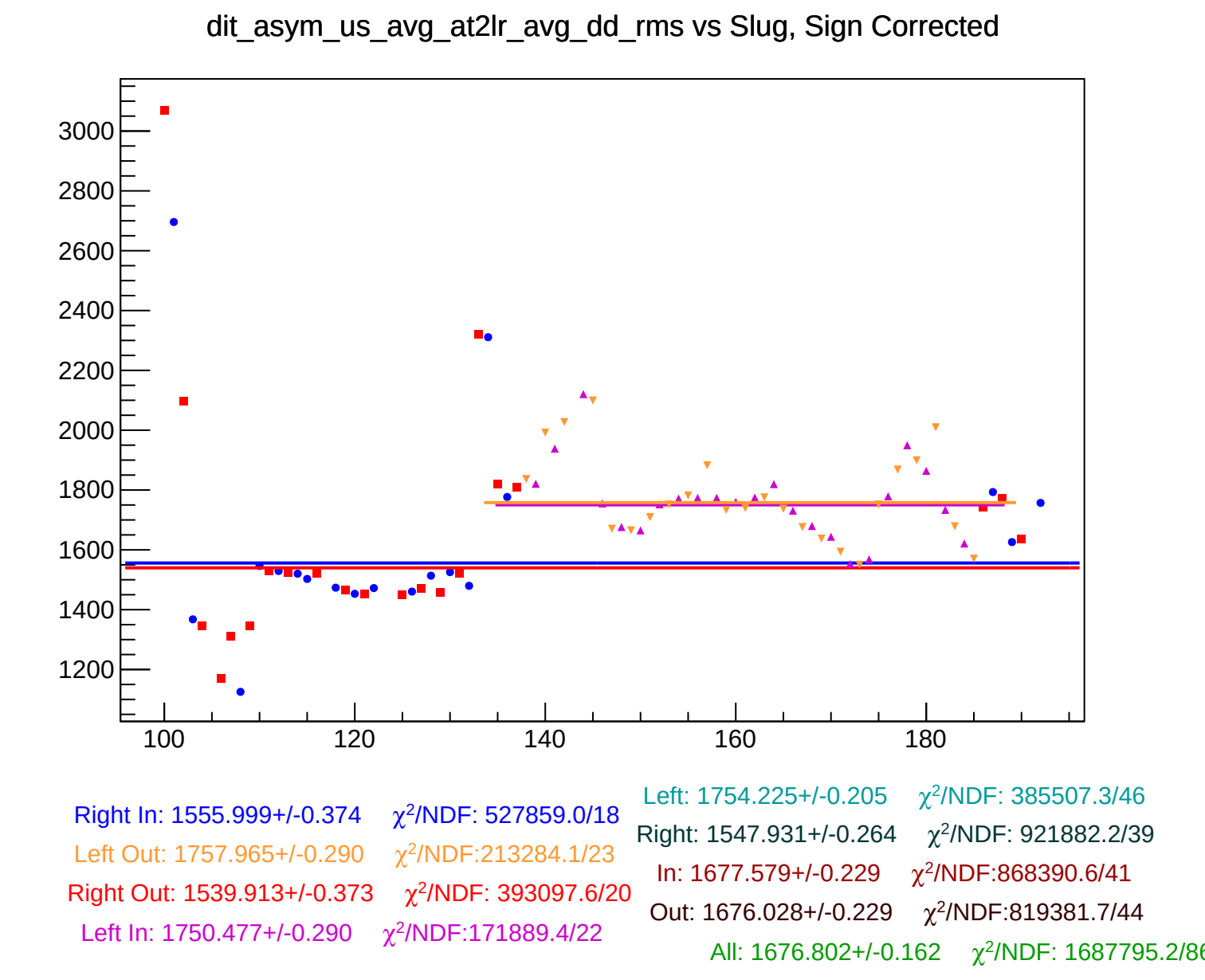
Right: 6038.474+/-1.049 χ^2/NDF: 2344382.8/39

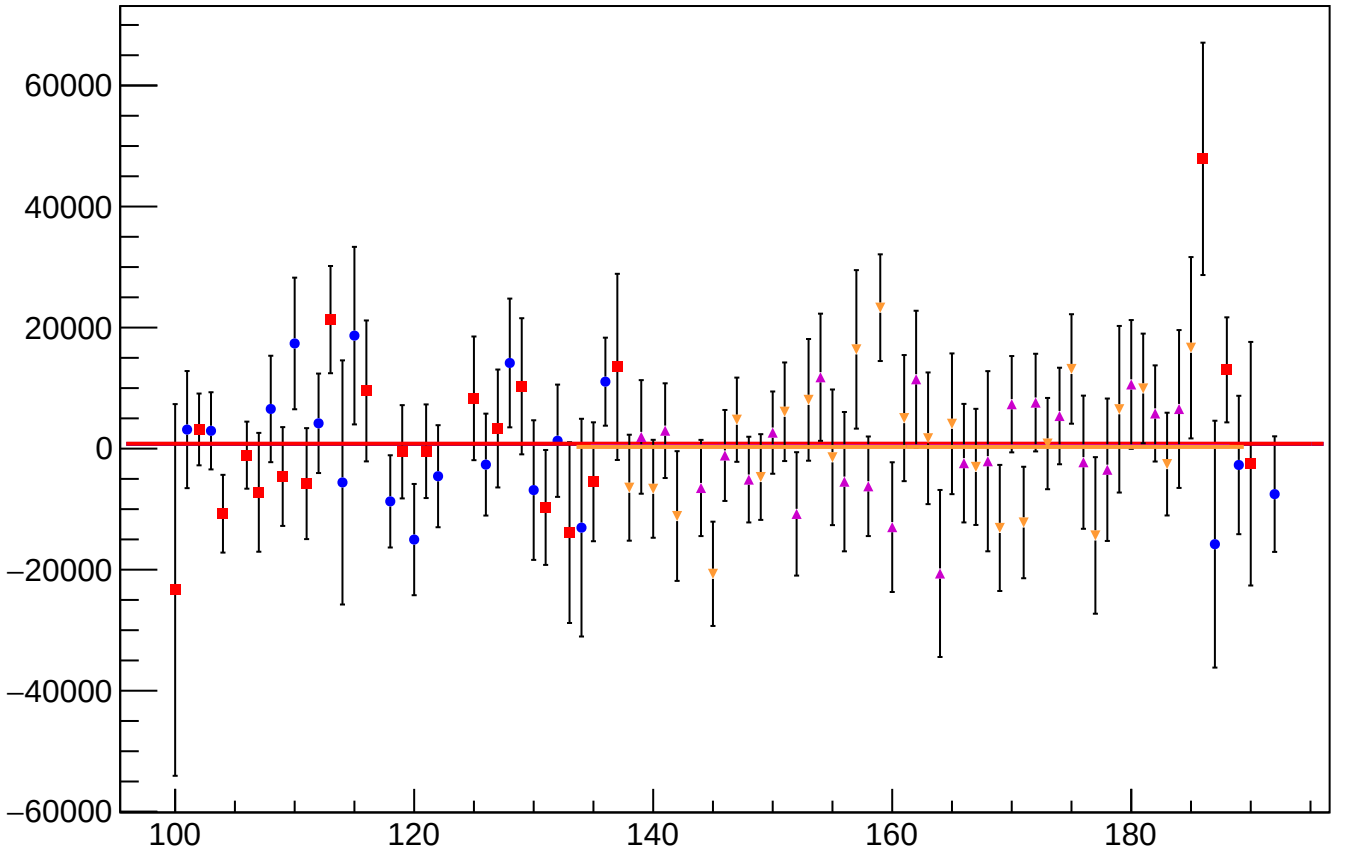
In: 7036.450+/-0.981 χ^2/NDF:2708202.3/41

Out: 6878.038+/-0.962 χ^2/NDF:3264734.2/44

All: 6955.710+/-0.687 χ^2/NDF: 5986234.6/86


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: -657.731+/-529.541 χ²/NDF: 5.6/18
Left Out: 1215.353+/-409.584 χ²/NDF:48.5/23
Right Out: -304.657+/-528.038 χ²/NDF: 21.2/20
Left In: -866.022+/-410.038 χ²/NDF:15.1/22
Left: 175.818+/-289.780 χ²/NDF: 76.5/46
Right: -480.692+/-373.909 χ²/NDF: 27.1/39
In: -787.946+/-324.206 χ²/NDF:20.8/41
Out: 644.360+/-323.636 χ²/NDF:74.9/44
All: -70.534+/-229.047 χ²/NDF: 105.5/86


dit_asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
100
120
140
160
180
Right In: 1555.999+/-0.374 χ²/NDF: 527859.0/18
Left Out: 1757.965+/-0.290 χ²/NDF:213284.1/23
Right Out: 1539.913+/-0.373 χ²/NDF: 393097.6/20
Left In: 1750.477+/-0.290 χ²/NDF:171889.4/22
Left: 1754.225+/-0.205 χ²/NDF: 385507.3/46
Right: 1547.931+/-0.264 χ²/NDF: 921882.2/39
In: 1677.579+/-0.229 χ²/NDF:868390.6/41
Out: 1676.028+/-0.229 χ²/NDF:819381.7/44
All: 1676.802+/-0.162 χ²/NDF: 1687795.2/86



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: 810.321+/-1984.533 χ^2/NDF: 24.4/20

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

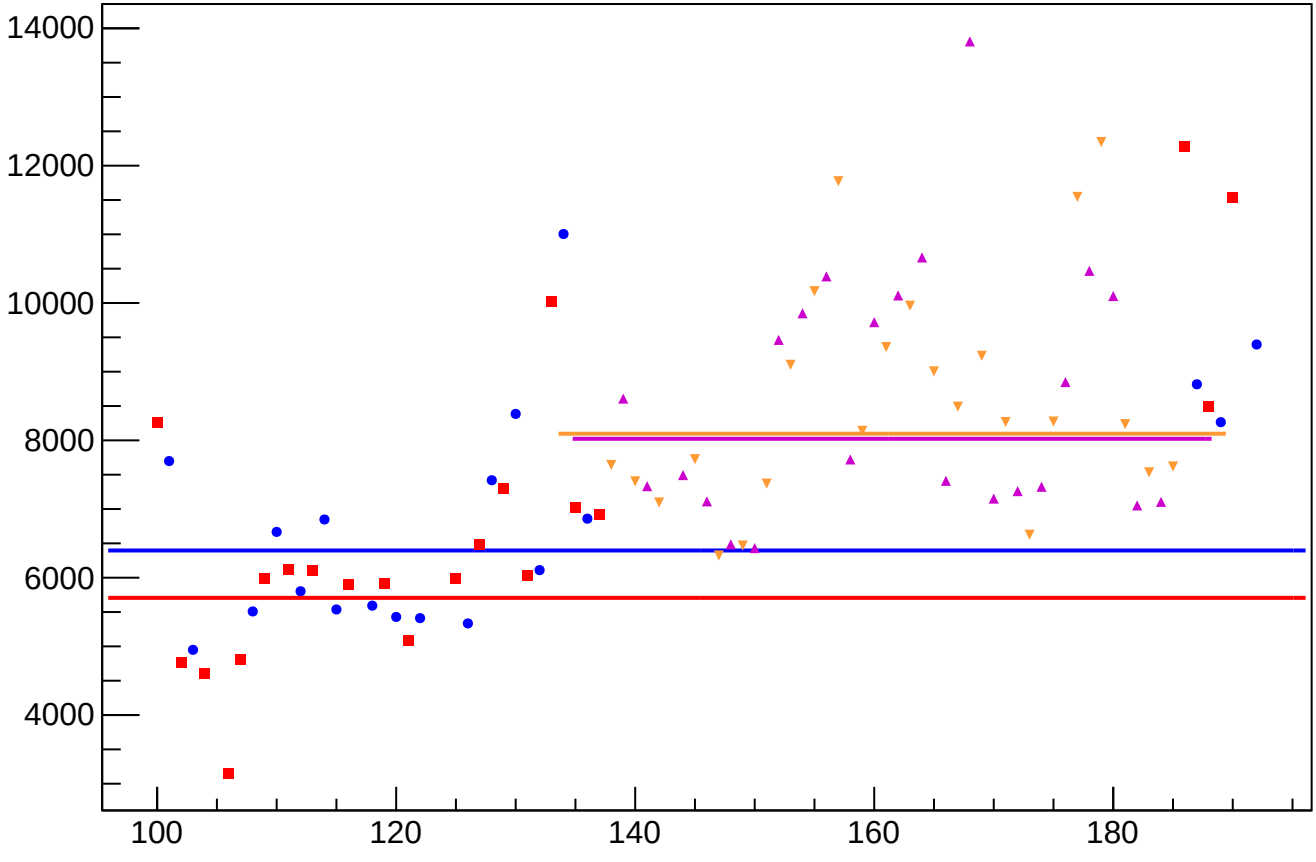
Right: 793.790+/-1473.274 χ^2/NDF: 40.3/39

In: 550.965+/-1443.022 χ^2/NDF:29.5/41

Out: 538.961+/-1379.945 χ^2/NDF:53.0/44

All: 544.694+/-997.322 χ^2/NDF: 82.6/86

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: 5706.559+/-1.403 χ^2/NDF: 1471611.4/20

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

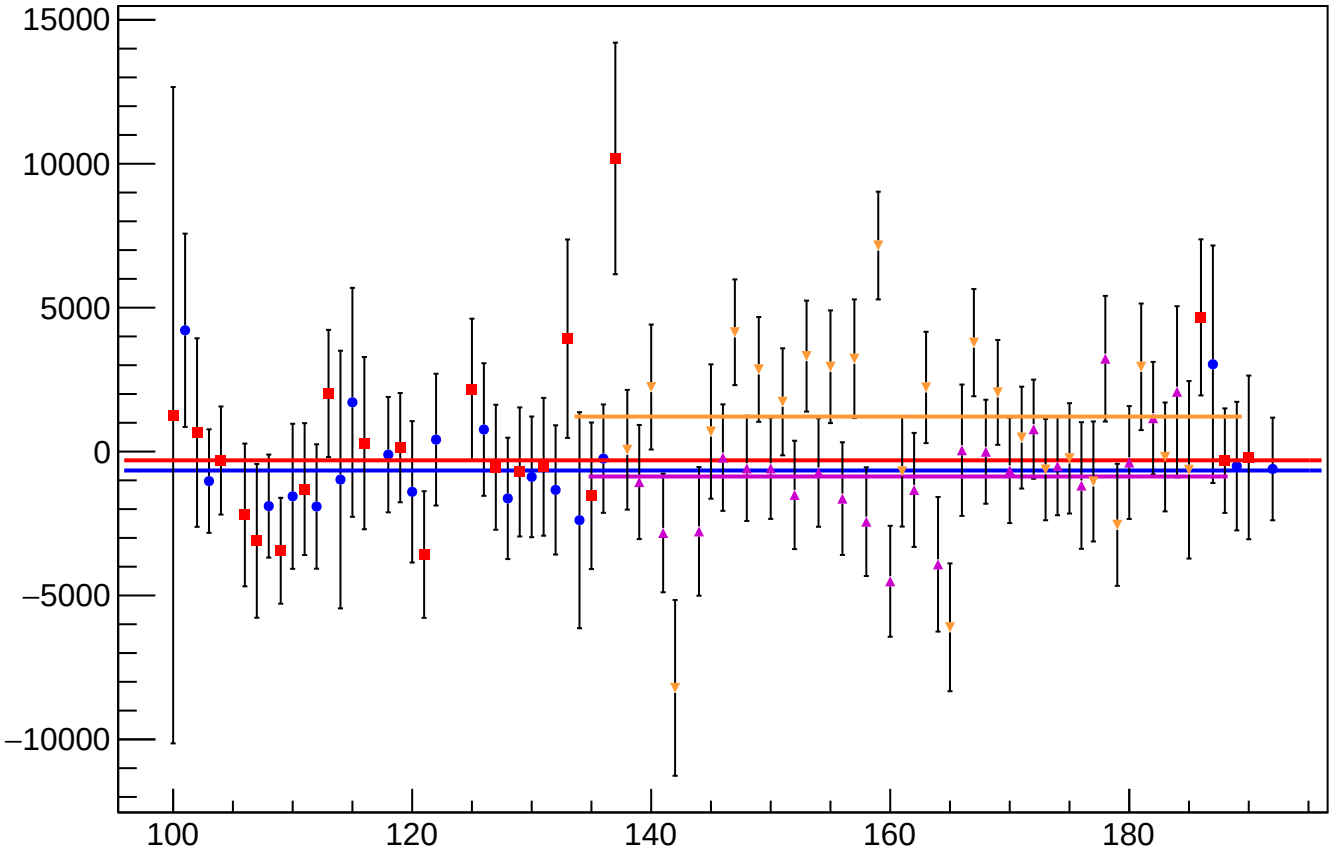
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 6016.172+/-1.042 χ^2/NDF: 2360844.7/39

In: 7322.345+/-1.020 χ^2/NDF:2629270.0/41

Out: 6941.101+/-0.976 χ^2/NDF:4057930.0/44

All: 7123.209+/-0.705 χ^2/NDF: 6760118.6/86



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: -304.667+/-528.038 χ^2/NDF: 21.2/20

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

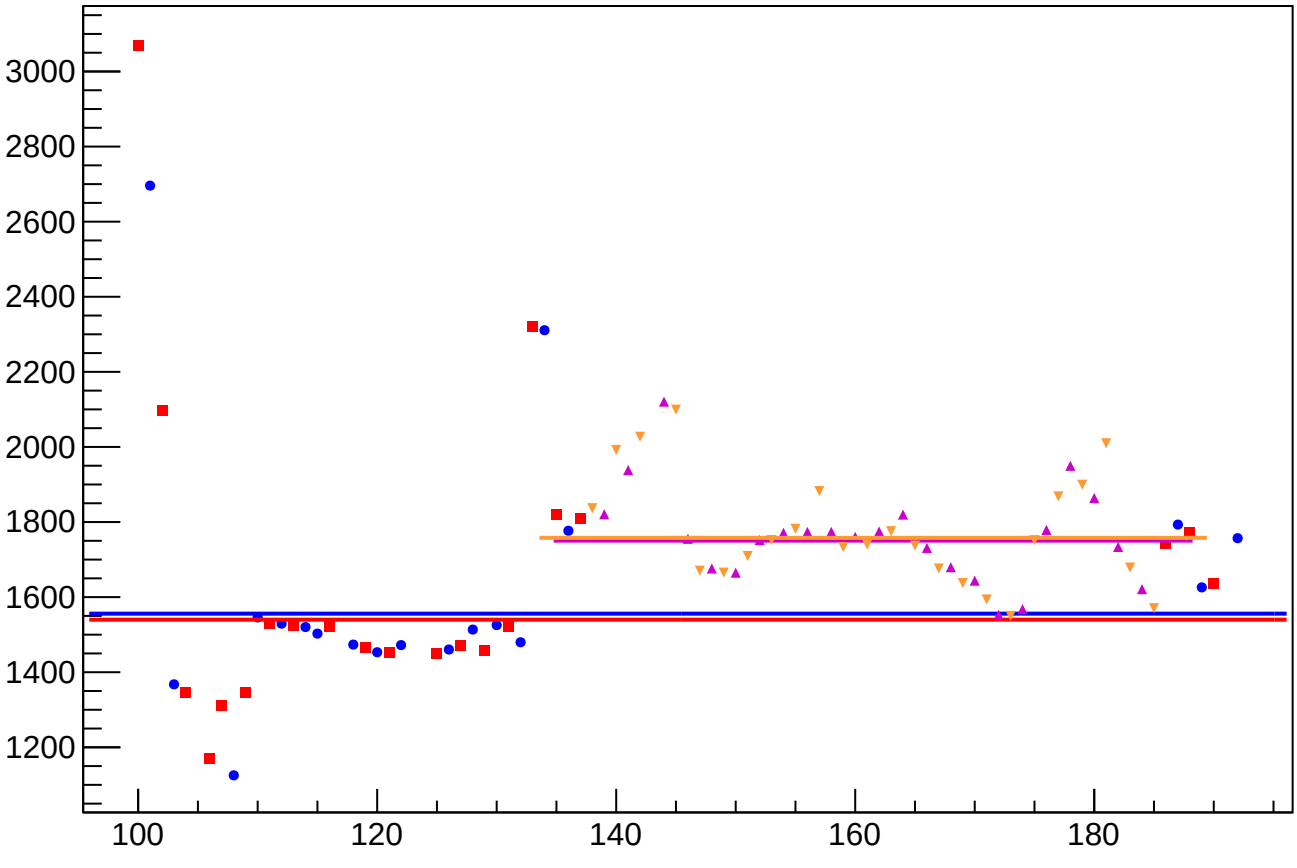
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -480.699+/-373.909 χ^2/NDF: 27.1/39

In: -787.947+/-324.206 χ^2/NDF:20.8/41

Out: 644.360+/-323.637 χ^2/NDF:74.9/44

All: -70.534+/-229.047 χ^2/NDF: 105.5/86



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: 1539.913+/-0.373 χ^2/NDF: 393097.6/20

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

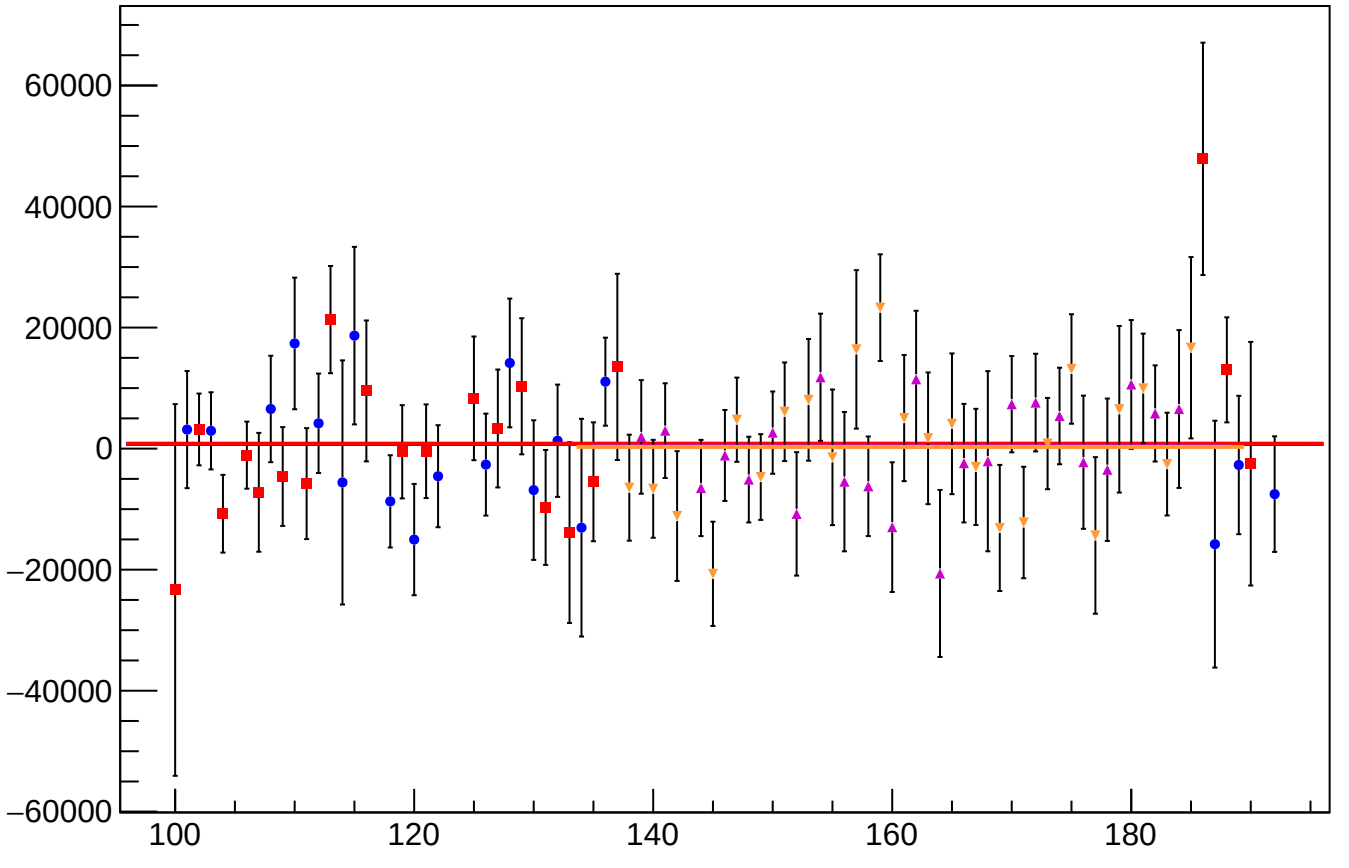
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1547.931+/-0.264 χ^2/NDF: 921881.1/39

In: 1677.581+/-0.229 χ^2/NDF:868402.8/41

Out: 1676.030+/-0.229 χ^2/NDF:819395.0/44

All: 1676.804+/-0.162 χ^2/NDF: 1687820.6/86



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: 810.310+/-1984.529 χ^2/NDF: 24.4/20

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

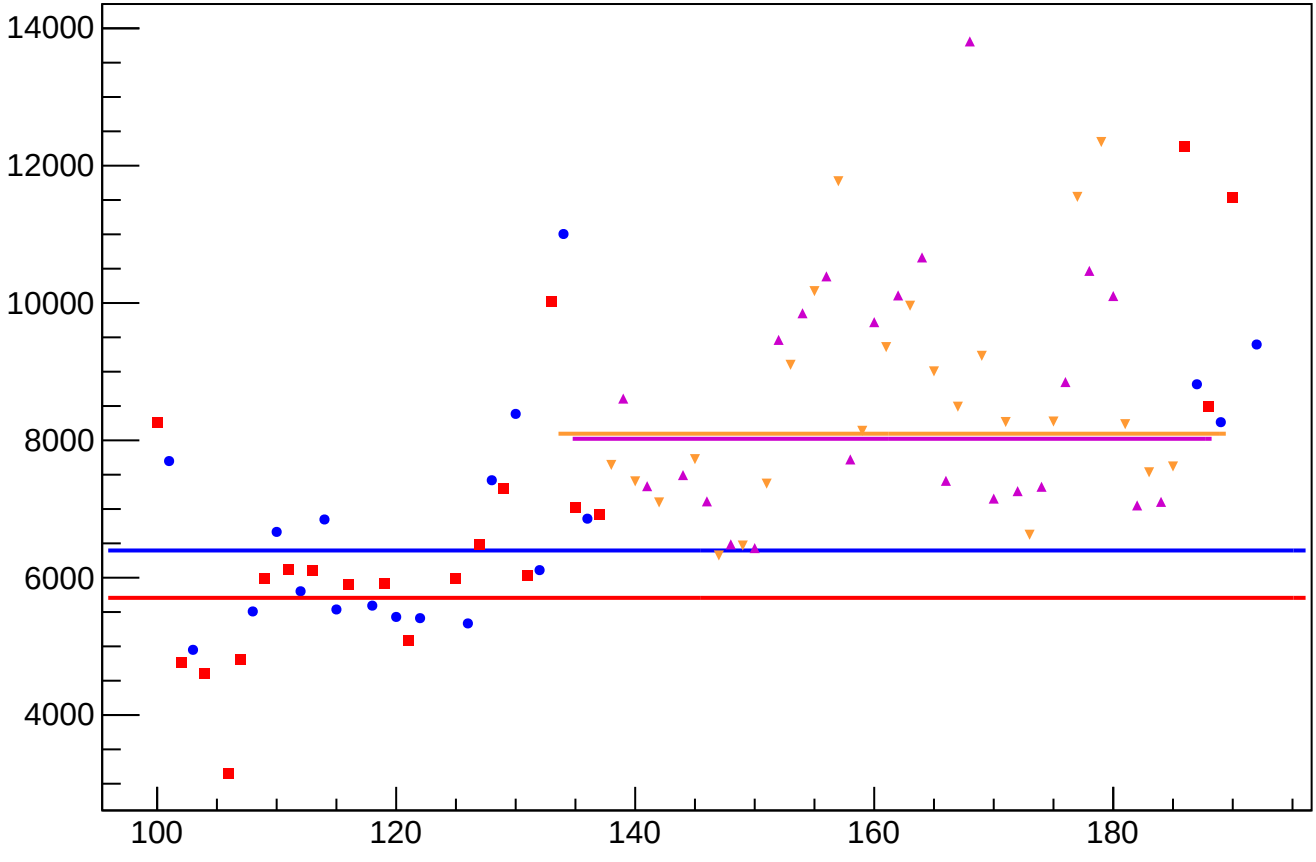
Right: 793.778+/-1473.271 χ^2/NDF: 40.3/39

In: 550.961+/-1443.022 χ^2/NDF:29.5/41

Out: 538.957+/-1379.945 χ^2/NDF:53.0/44

All: 544.691+/-997.322 χ^2/NDF: 82.6/86

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: 5706.548+/-1.403 χ^2/NDF: 1471614.8/20

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

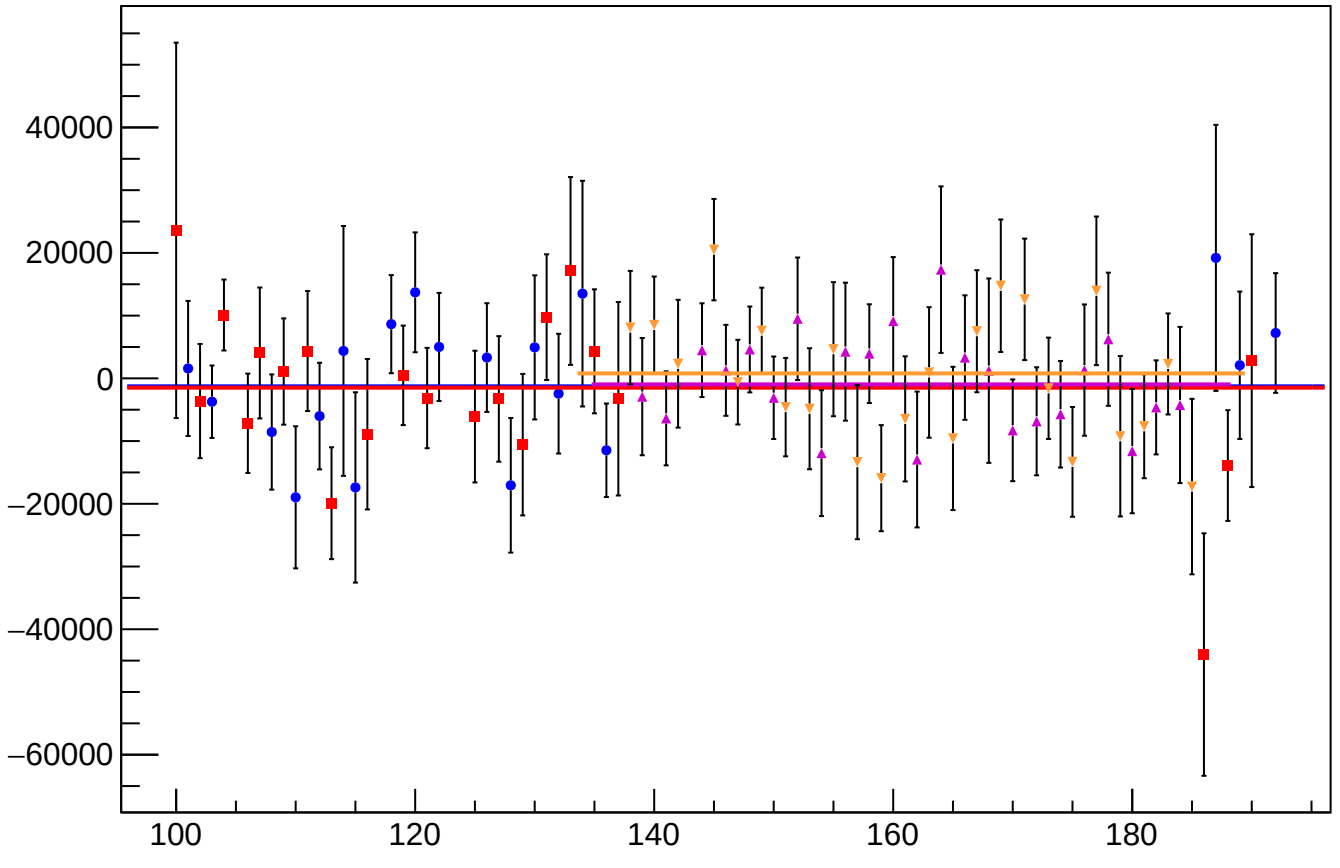
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 6016.160+/-1.042 χ^2/NDF: 2360855.5/39

In: 7322.344+/-1.020 χ^2/NDF:2629300.8/41

Out: 6941.098+/-0.976 χ^2/NDF:4057966.2/44

All: 7123.206+/-0.705 χ^2/NDF: 6760186.3/86



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: -1487.797+/-2135.589 χ^2/NDF: 21.9/20

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

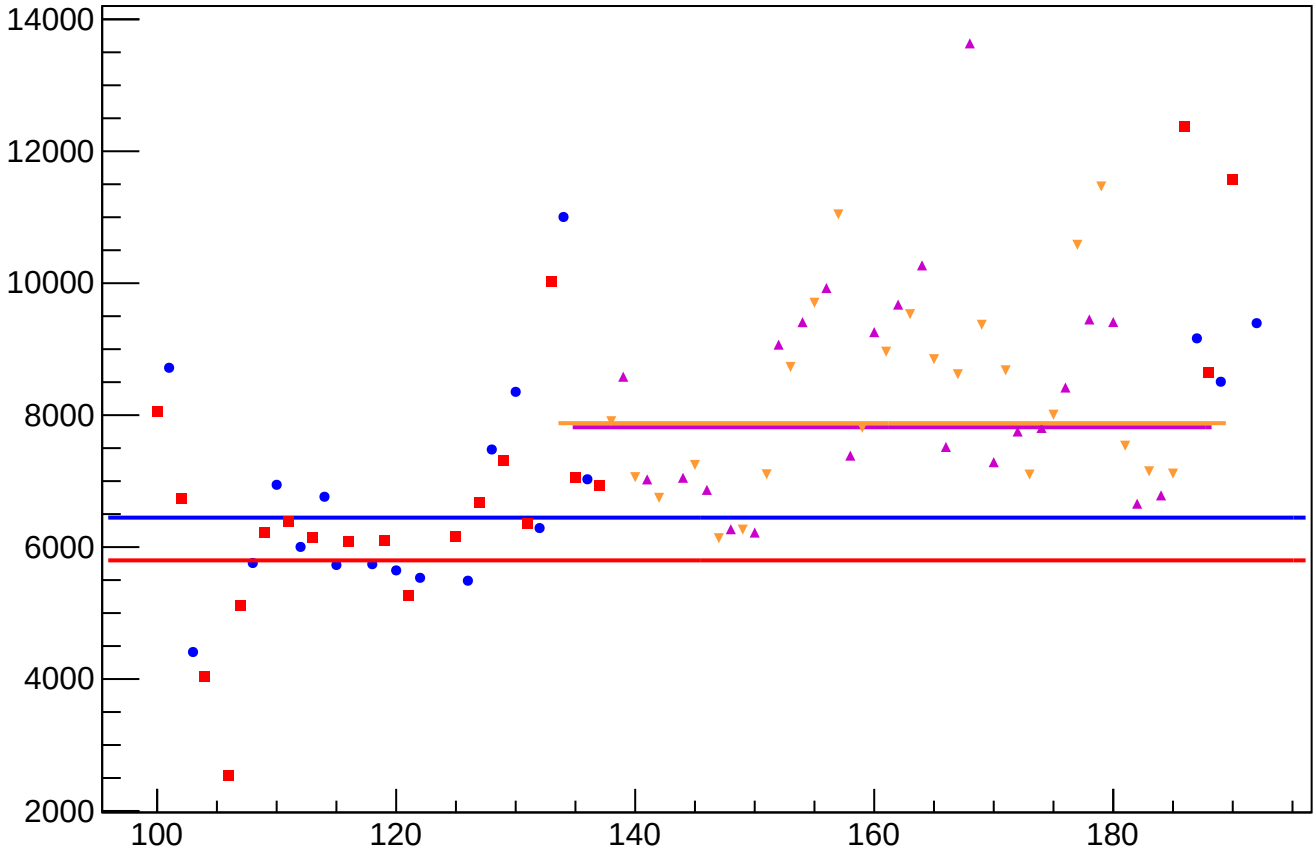
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -1385.326+/-1540.926 χ^2/NDF: 38.4/39

In: -1091.470+/-1427.173 χ^2/NDF:29.3/41

Out: -194.885+/-1404.789 χ^2/NDF:49.7/44

All: -636.092+/-1001.156 χ^2/NDF: 79.2/86



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: 5798.681+/-1.460 χ^2/NDF: 1794775.2/20

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

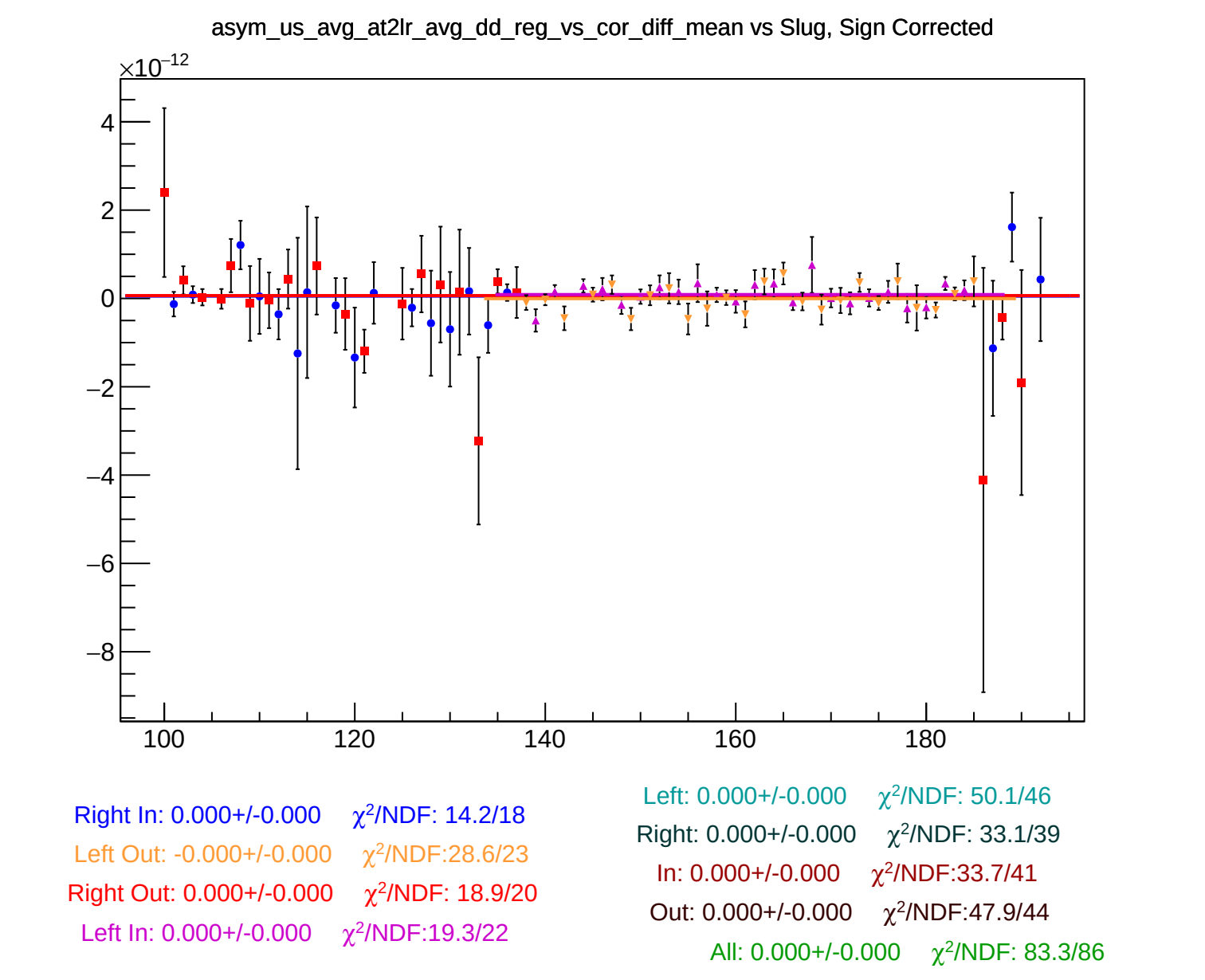
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 6098.417+/-1.070 χ^2/NDF: 2826383.3/39

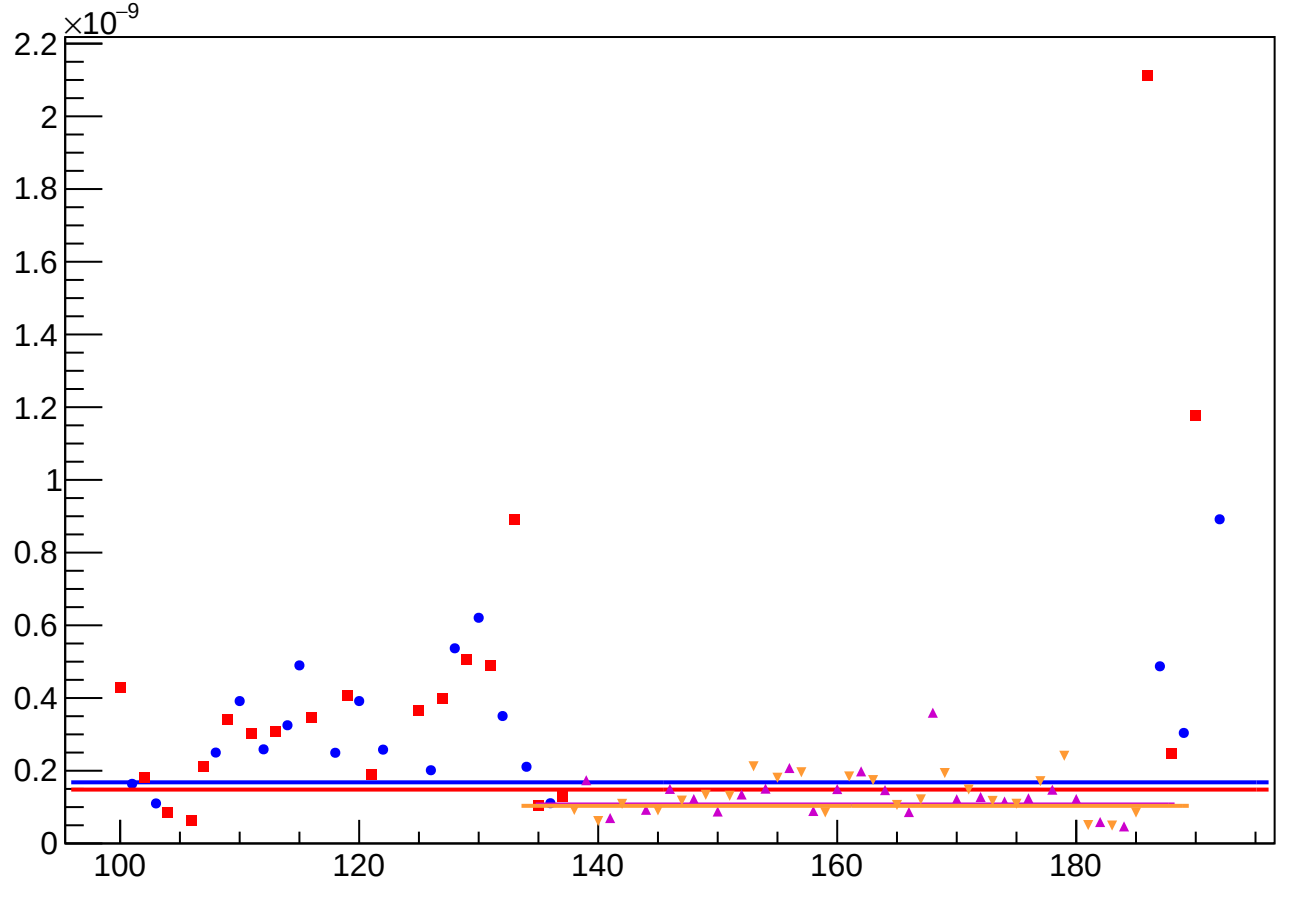
In: 7253.163+/-1.009 χ^2/NDF:2518974.2/41

Out: 6944.026+/-0.979 χ^2/NDF:3902214.6/44

All: 7093.858+/-0.703 χ^2/NDF: 6469545.7/86


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 14.2/18
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 18.9/20
Left In: 0.000+/-0.000 χ²/NDF:19.3/22
Left: 0.000+/-0.000 χ²/NDF: 50.1/46
Right: 0.000+/-0.000 χ²/NDF: 33.1/39
In: 0.000+/-0.000 χ²/NDF:33.7/41
Out: 0.000+/-0.000 χ²/NDF:47.9/44
All: 0.000+/-0.000 χ²/NDF: 83.3/86

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: 2914339.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

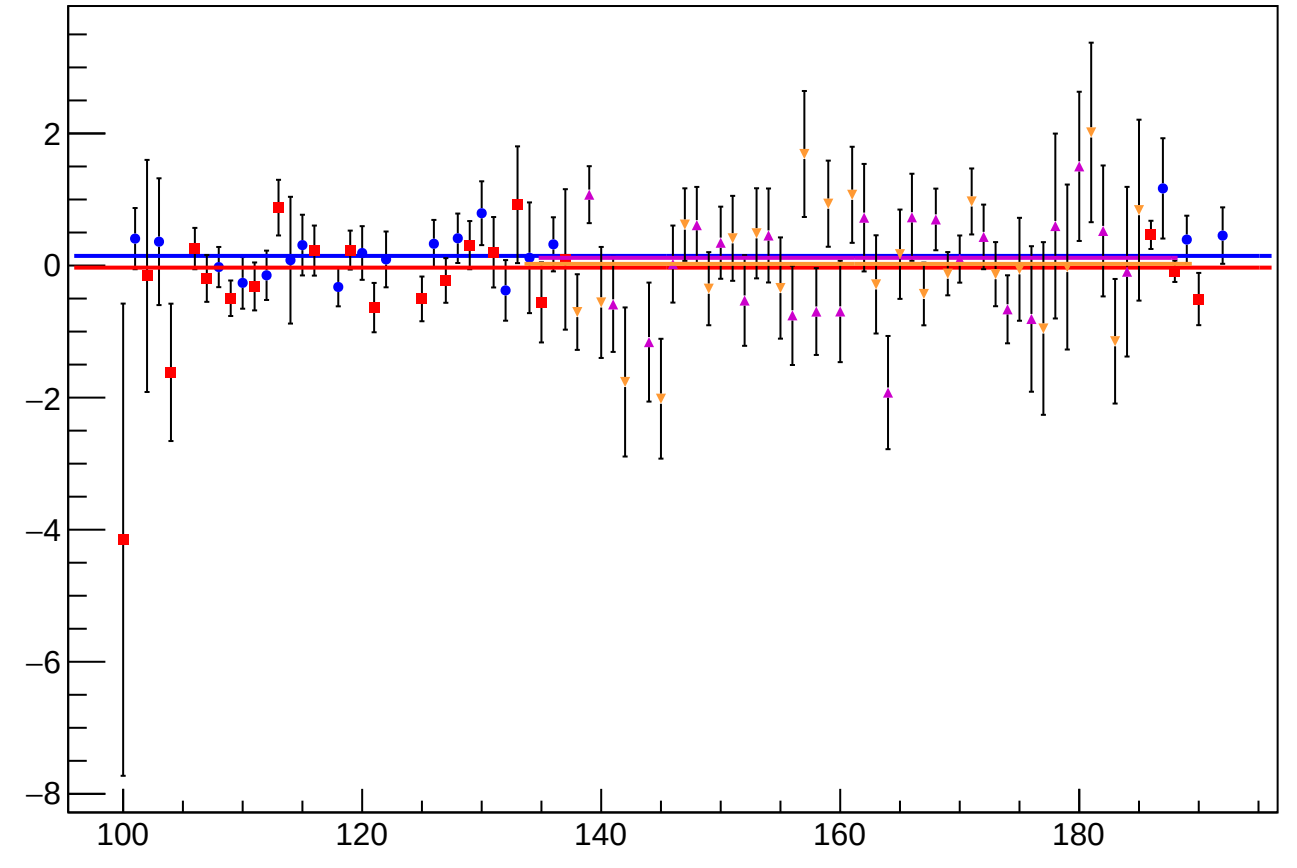
Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

Right: 0.000+/-0.000 χ^2/NDF: 4978421.3/39

In: 0.000+/-0.000 χ^2/NDF:4215713.0/41

Out: 0.000+/-0.000 χ^2/NDF:5151368.0/44

All: 0.000+/-0.000 χ^2/NDF: 9391538.0/86



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: -0.032+/-0.076 χ^2/NDF: 29.1/20

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

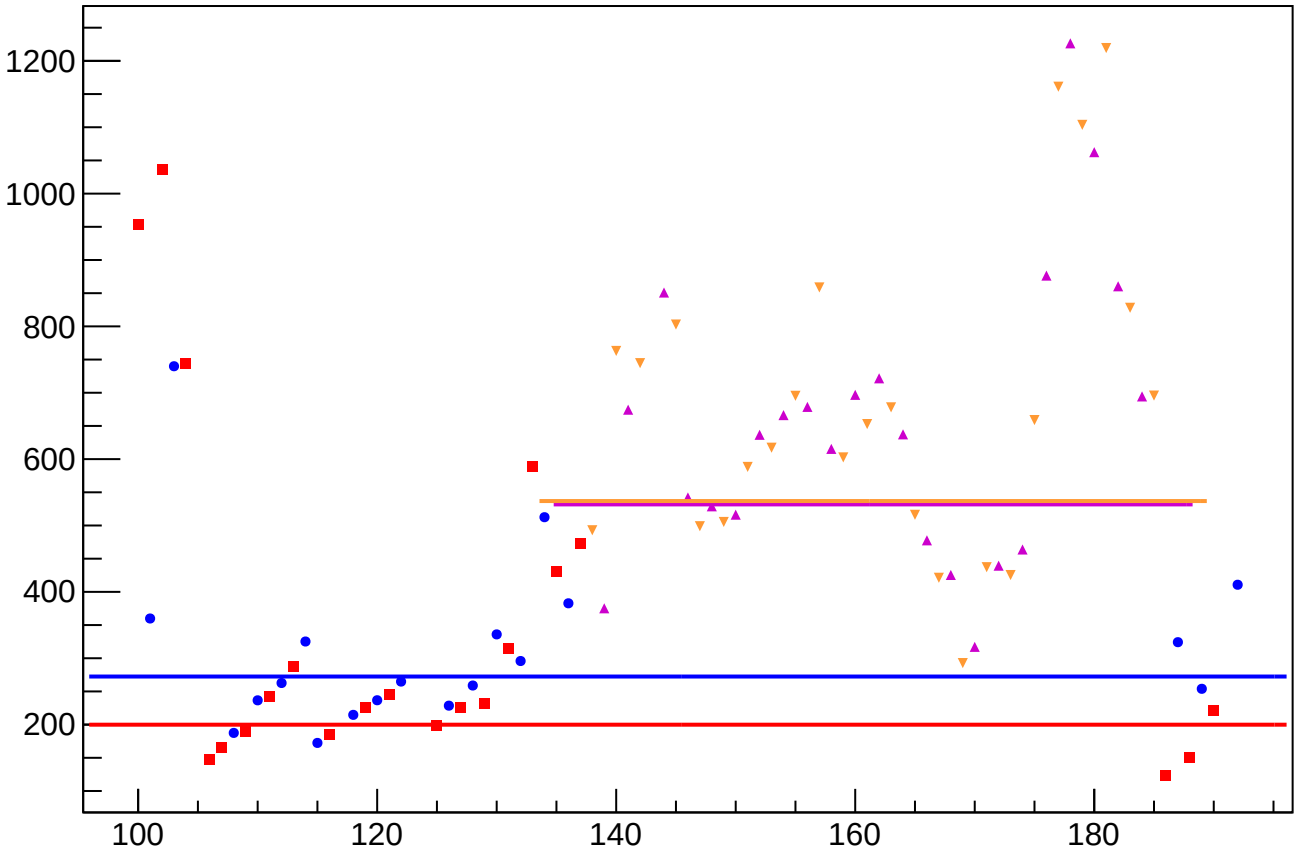
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.036+/-0.060 χ^2/NDF: 43.1/39

In: 0.136+/-0.078 χ^2/NDF:39.8/41

Out: -0.018+/-0.066 χ^2/NDF:58.3/44

All: 0.046+/-0.051 χ^2/NDF: 100.3/86



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: 199.888+/-0.054 χ^2/NDF: 2710866.8/20

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

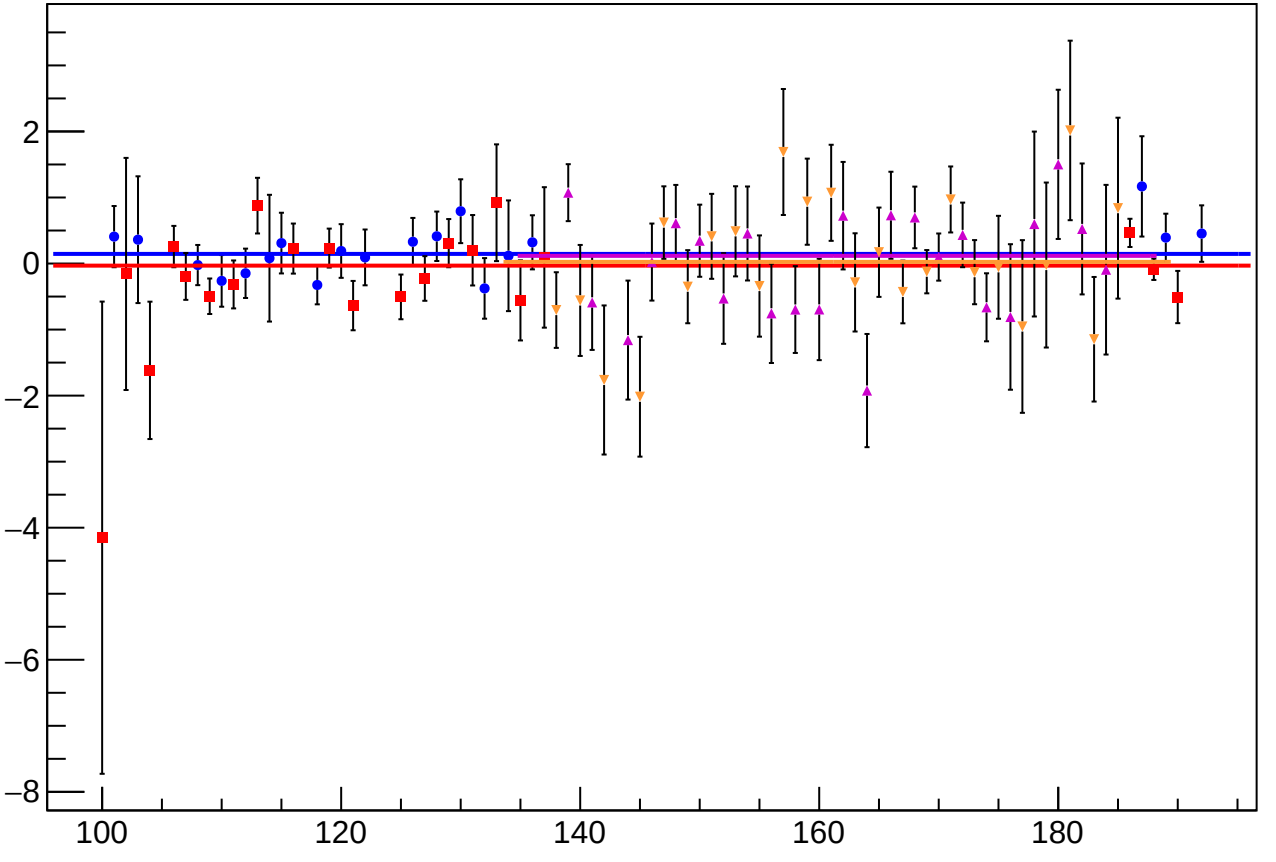
Right: 227.428+/-0.042 χ^2/NDF: 4918546.0/39

In: 363.457+/-0.055 χ^2/NDF:9874927.2/41

Out: 282.204+/-0.047 χ^2/NDF:16233799.2/44

All: 315.999+/-0.036 χ^2/NDF: 27361200.3/86

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: -0.032+/-0.076 χ^2/NDF: 29.1/20

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

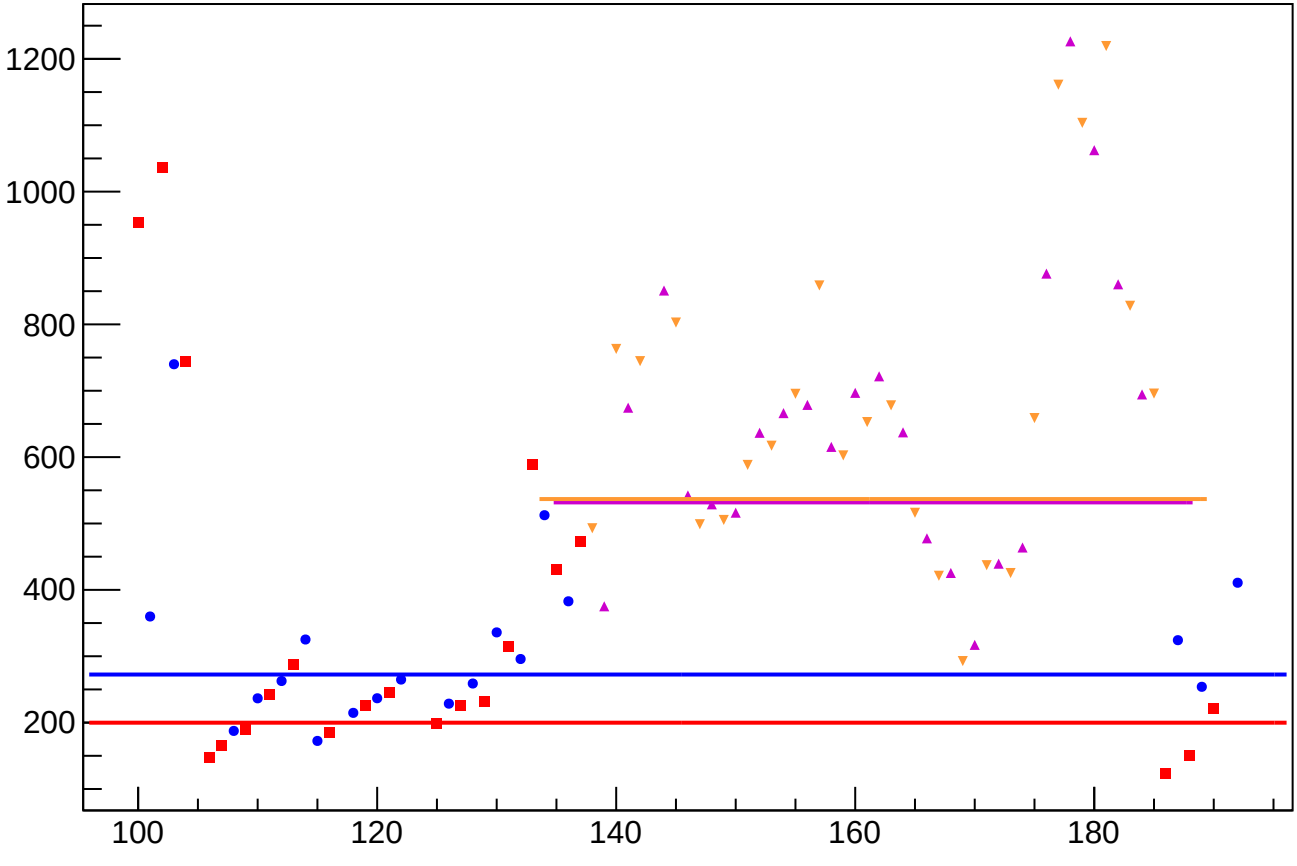
Right: 0.036+/-0.060 χ^2/NDF: 43.1/39

In: 0.136+/-0.078 χ^2/NDF:39.8/41

Out: -0.018+/-0.066 χ^2/NDF:58.3/44

All: 0.046+/-0.051 χ^2/NDF: 100.3/86

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: 199.888+/-0.054 χ^2/NDF: 2710866.8/20

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

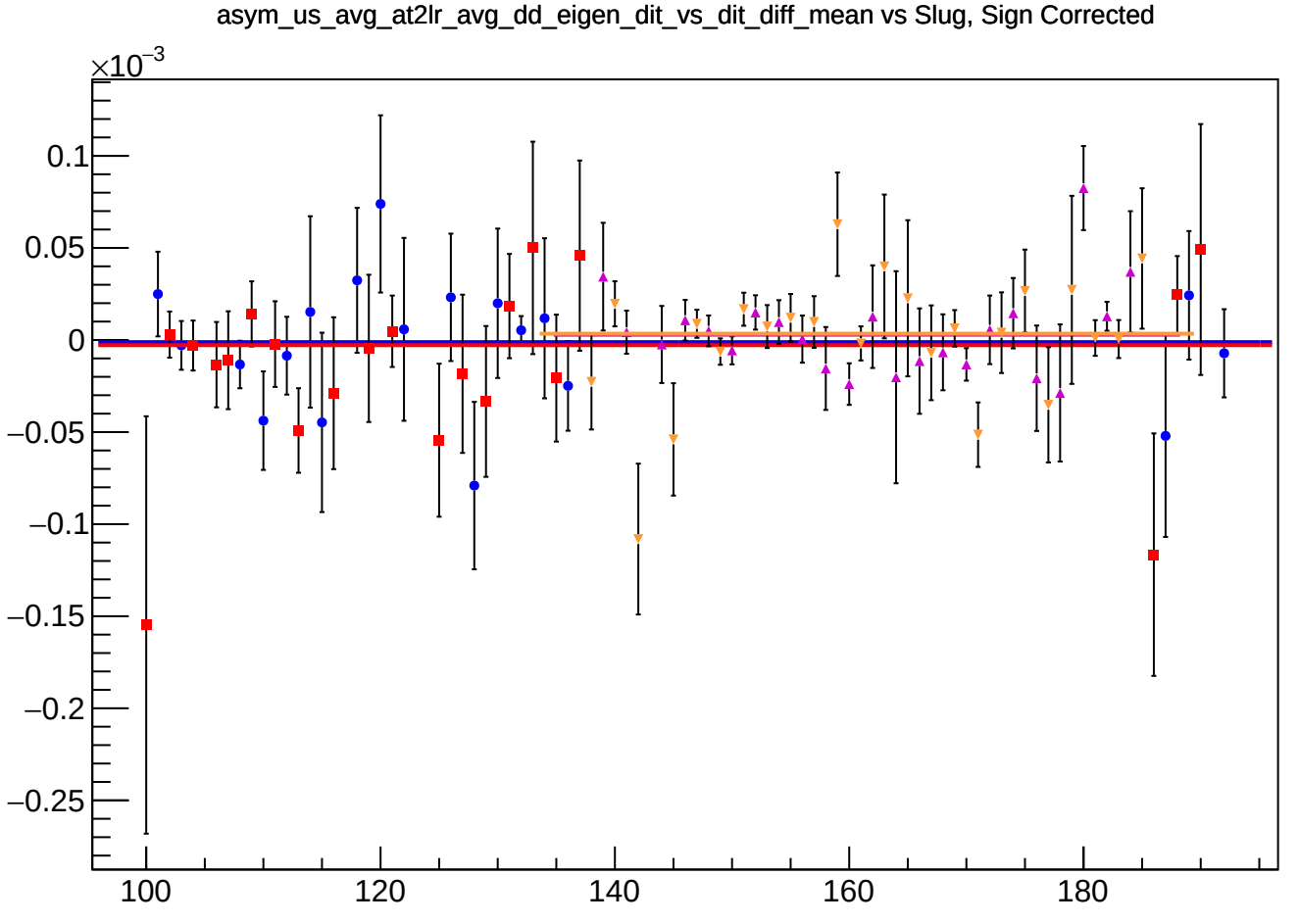
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 227.428+/-0.042 χ^2/NDF: 4918546.0/39

In: 363.457+/-0.055 χ^2/NDF:9874927.2/41

Out: 282.204+/-0.047 χ^2/NDF:16233799.2/44

All: 315.999+/-0.036 χ^2/NDF: 27361200.3/86



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: 17.9/20

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

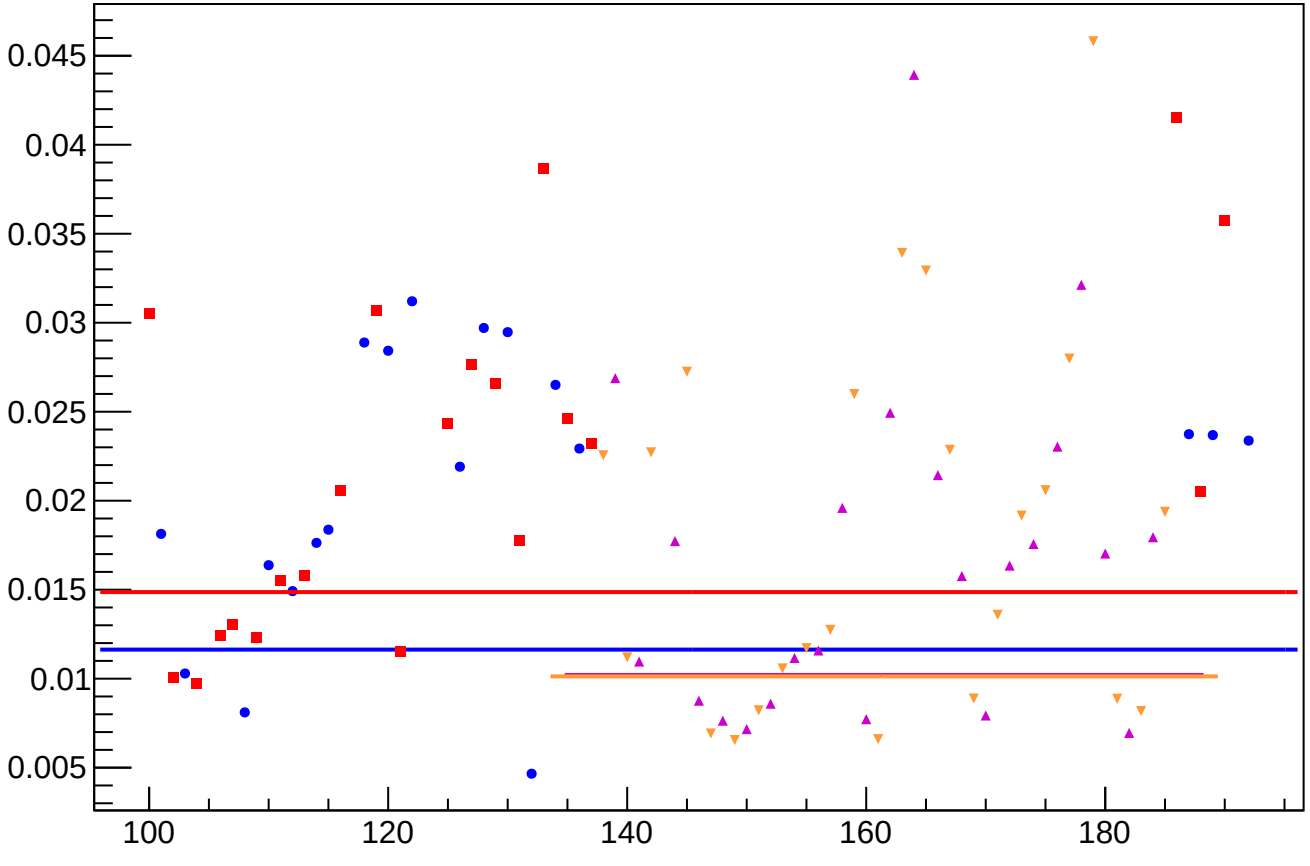
Right: -0.000+/-0.000 χ^2/NDF: 33.8/39

In: 0.000+/-0.000 χ^2/NDF:48.6/41

Out: 0.000+/-0.000 χ^2/NDF:58.0/44

All: 0.000+/-0.000 χ^2/NDF: 106.6/86

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: 0.015+/-0.000 χ^2/NDF: 2783086.6/20

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

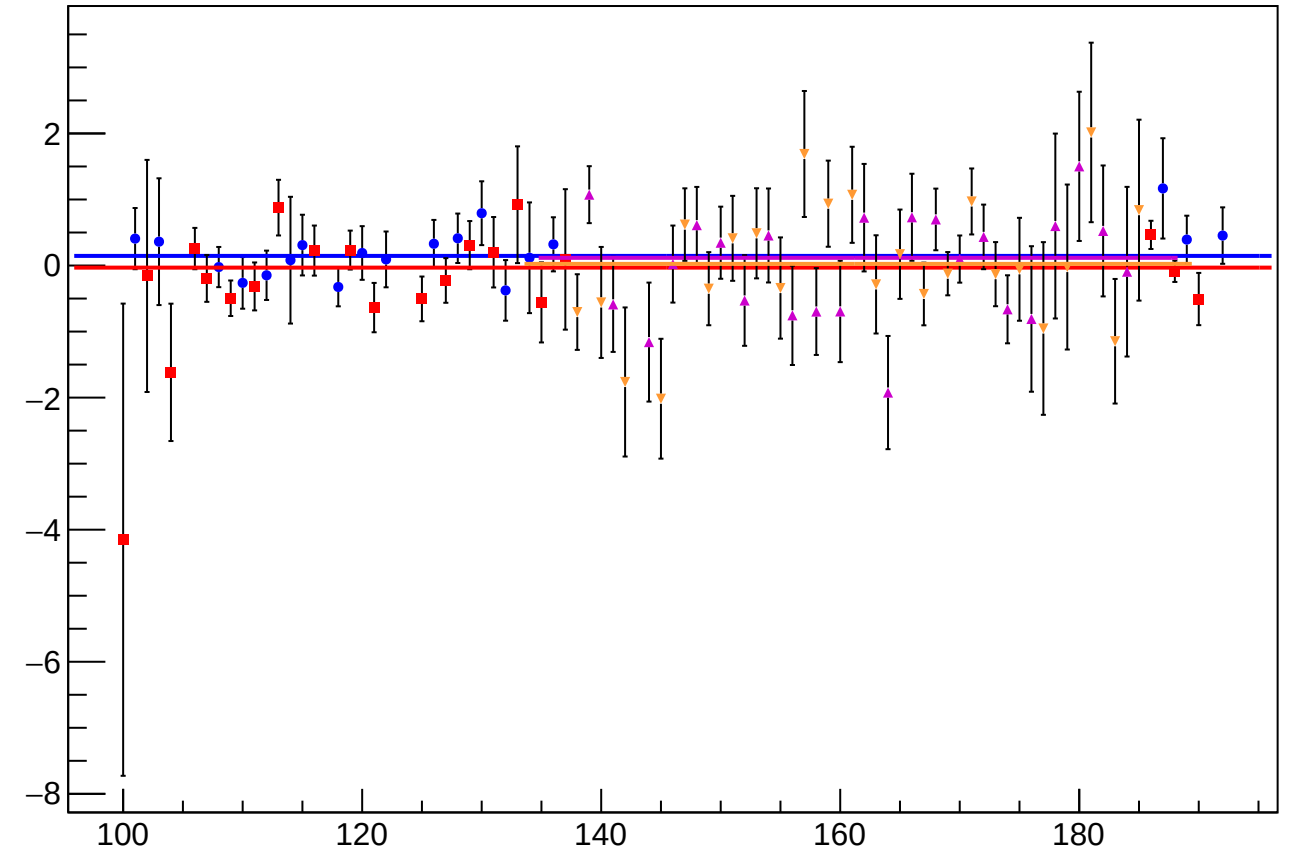
Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

Right: 0.013+/-0.000 χ^2/NDF: 8632009.9/39

In: 0.011+/-0.000 χ^2/NDF:11664094.4/41

Out: 0.011+/-0.000 χ^2/NDF:11786066.9/44

All: 0.011+/-0.000 χ^2/NDF: 23494510.1/86



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: -0.032+/-0.076 χ^2/NDF: 29.1/20

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

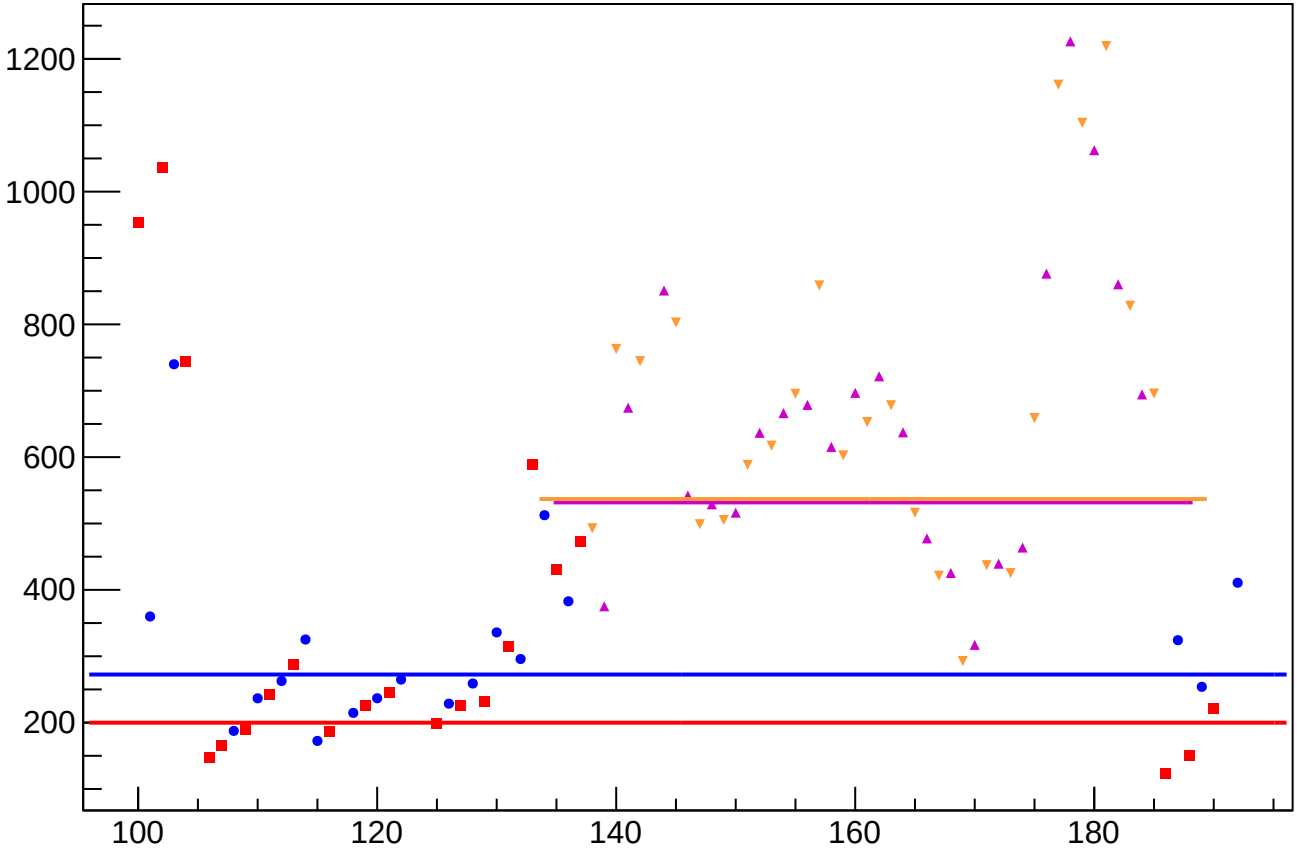
Right: 0.036+/-0.060 χ^2/NDF: 43.1/39

In: 0.136+/-0.078 χ^2/NDF:39.8/41

Out: -0.018+/-0.066 χ^2/NDF:58.3/44

All: 0.046+/-0.051 χ^2/NDF: 100.3/86

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_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: 199.886+/-0.054 χ^2/NDF: 2710926.7/20

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

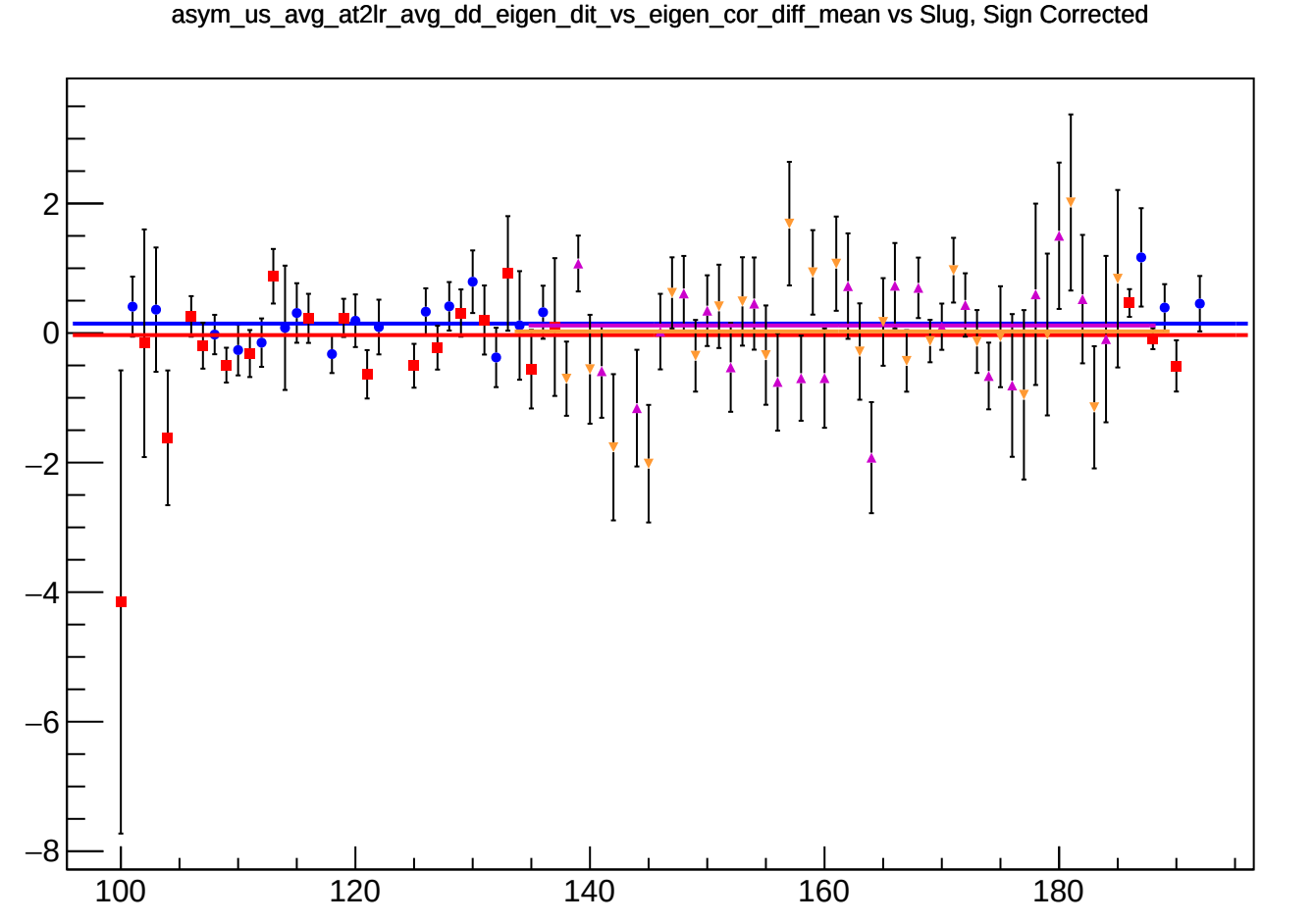
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 227.426+/-0.042 χ^2/NDF: 4918600.2/39

In: 363.455+/-0.055 χ^2/NDF:9875155.4/41

Out: 282.200+/-0.047 χ^2/NDF:16234200.3/44

All: 315.996+/-0.036 χ^2/NDF: 27361890.2/86



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: -0.032+/-0.076 χ^2/NDF: 29.1/20

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

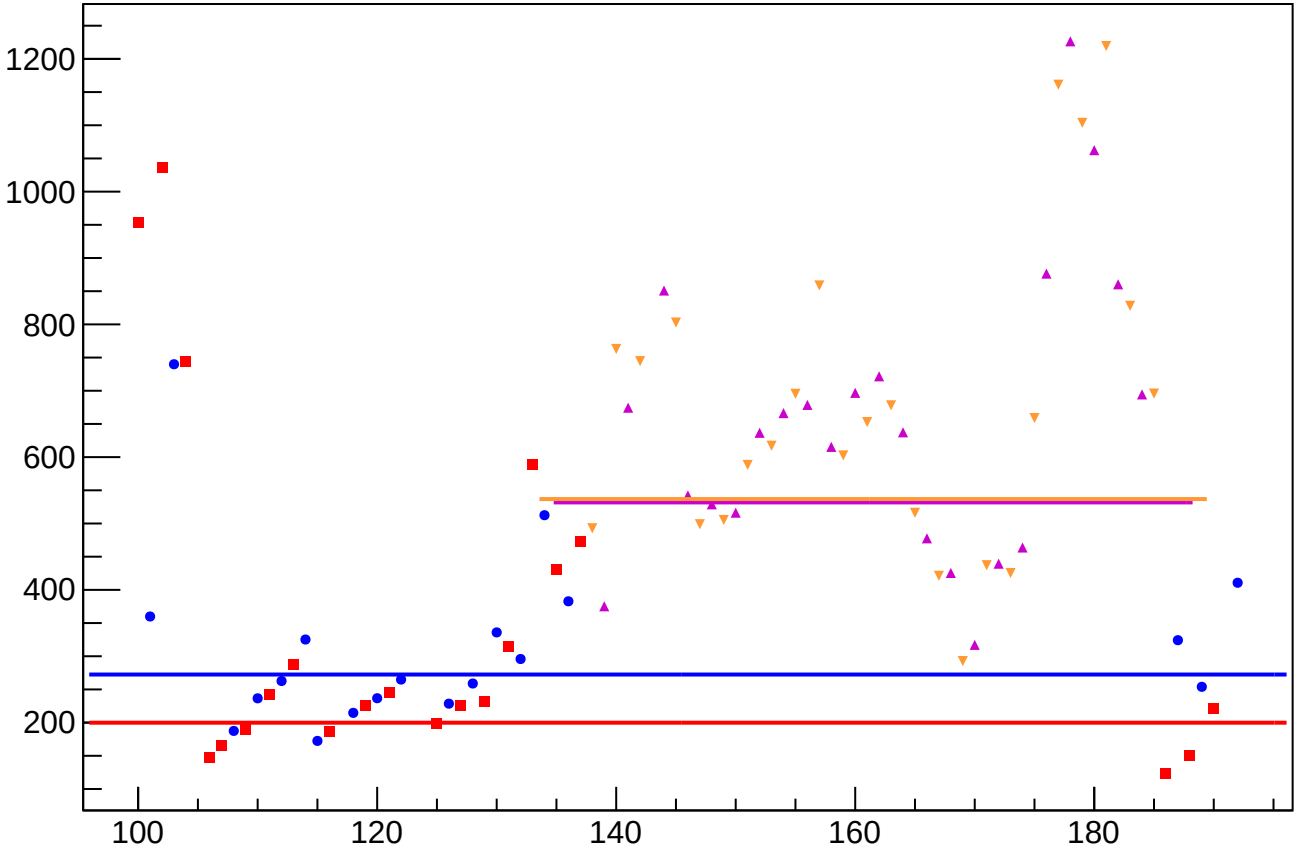
Right: 0.036+/-0.060 χ^2/NDF: 43.1/39

In: 0.136+/-0.078 χ^2/NDF:39.8/41

Out: -0.018+/-0.066 χ^2/NDF:58.3/44

All: 0.046+/-0.051 χ^2/NDF: 100.3/86

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: 199.886+/-0.054 χ^2/NDF: 2710926.7/20

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

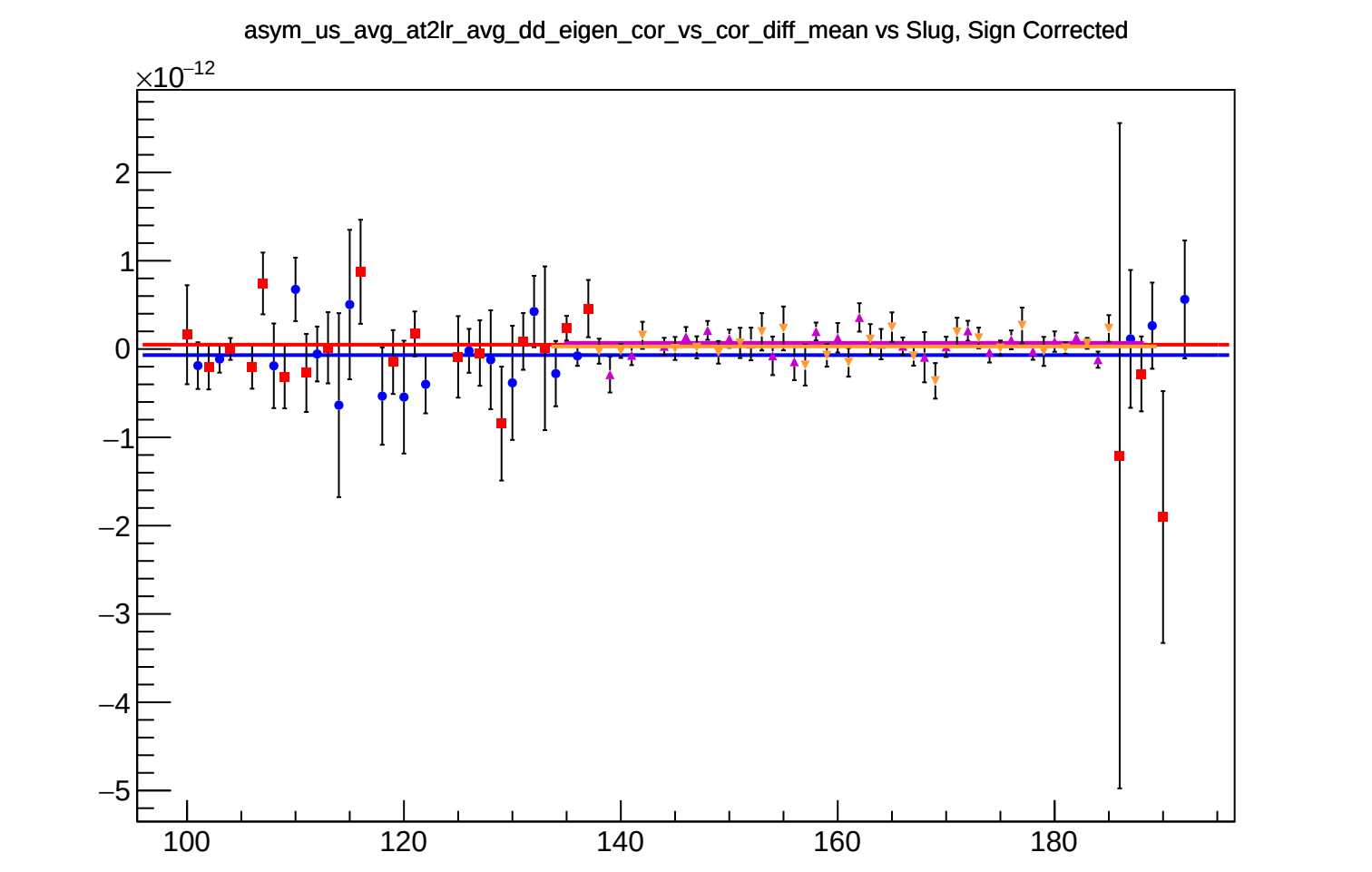
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 227.426+/-0.042 χ^2/NDF: 4918600.2/39

In: 363.455+/-0.055 χ^2/NDF:9875155.4/41

Out: 282.200+/-0.047 χ^2/NDF:16234200.3/44

All: 315.996+/-0.036 χ^2/NDF: 27361890.2/86



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: 18.4/20

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

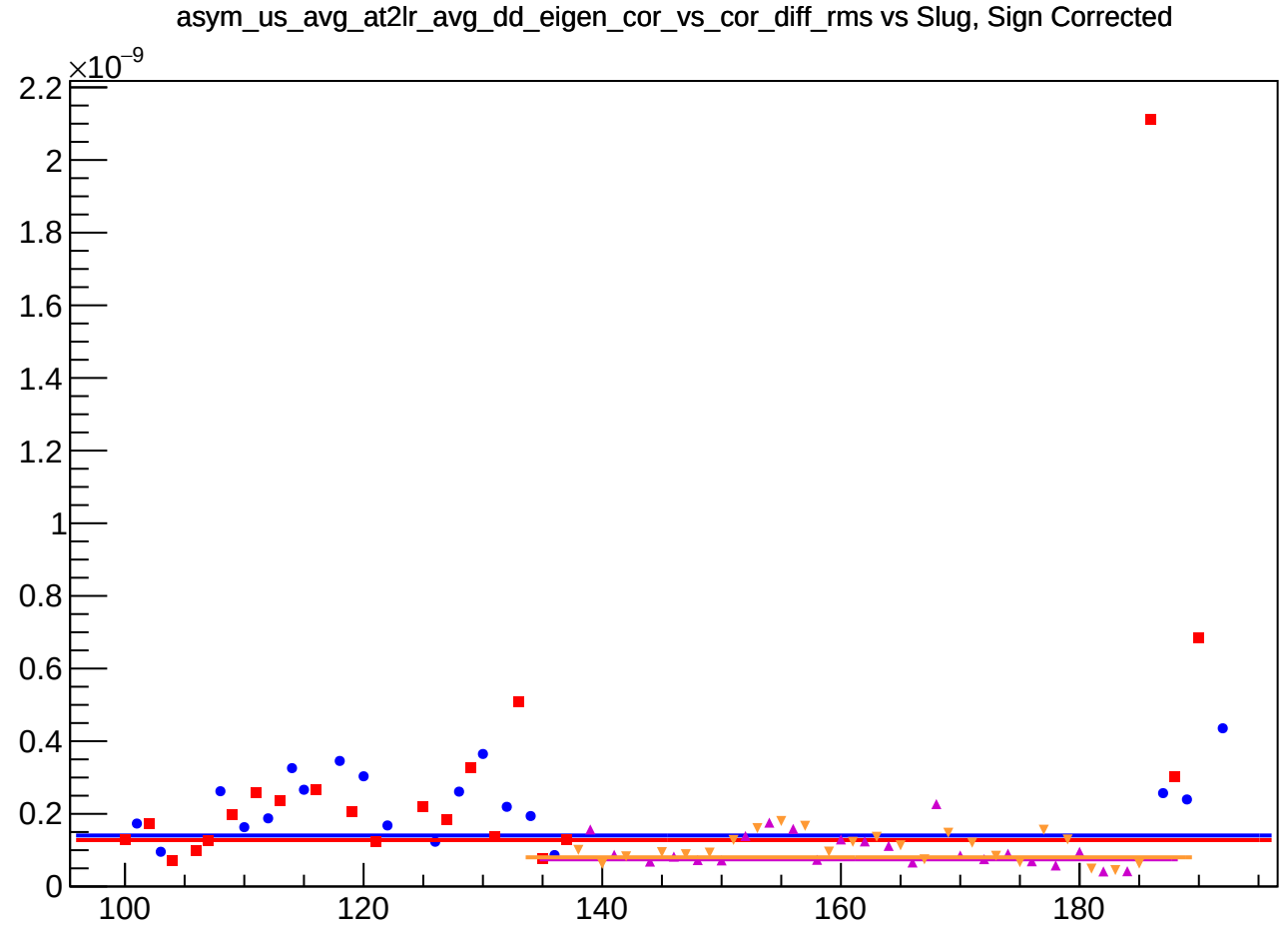
Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

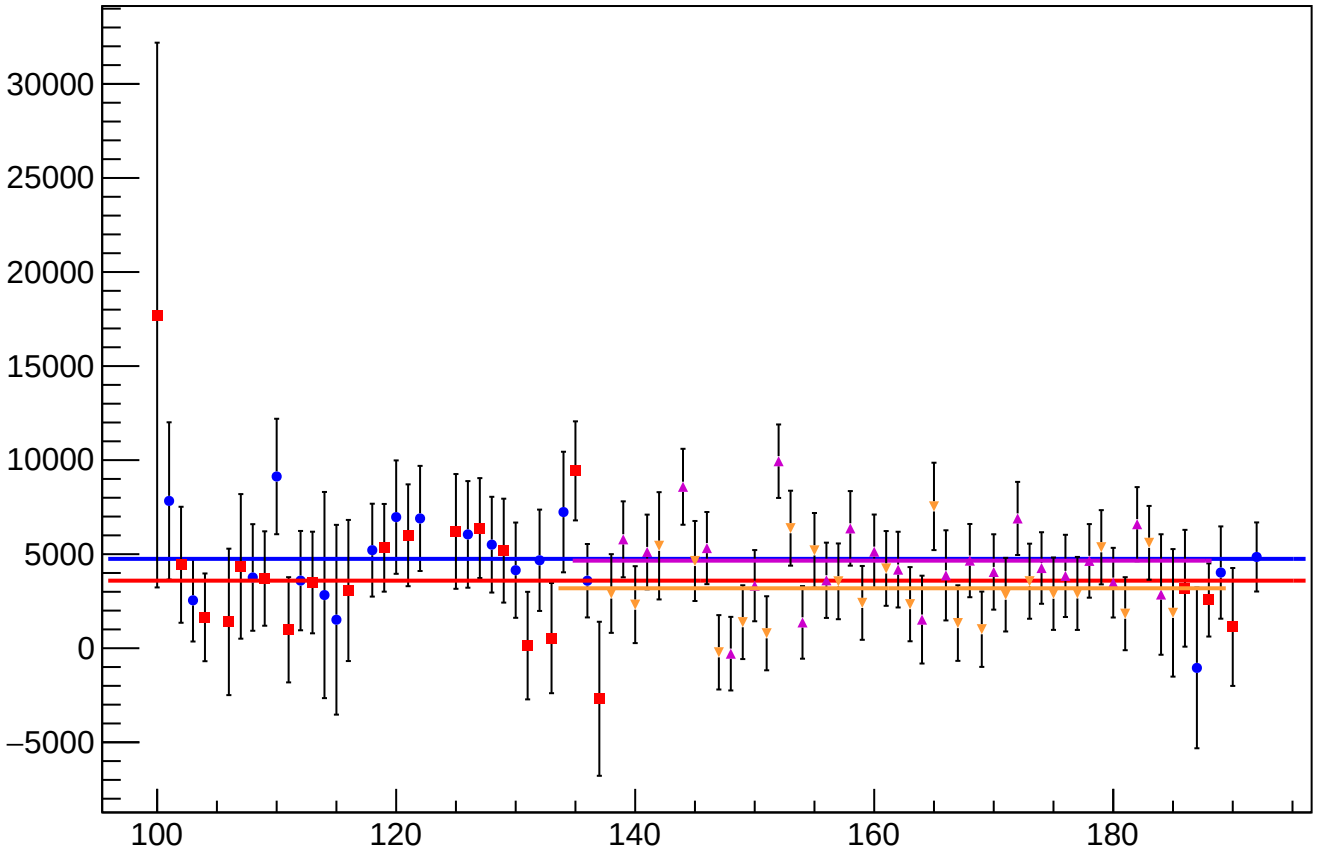
Right: -0.000+/-0.000 χ^2/NDF: 31.2/39

In: 0.000+/-0.000 χ^2/NDF:38.4/41

Out: 0.000+/-0.000 χ^2/NDF:36.2/44

All: 0.000+/-0.000 χ^2/NDF: 75.1/86


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 2348447.1/18
Left Out: 0.000+/-0.000 χ²/NDF:3732870.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 3214790.1/20
Left In: 0.000+/-0.000 χ²/NDF:3665599.9/22
Left: 0.000+/-0.000 χ²/NDF: 7451186.8/46
Right: 0.000+/-0.000 χ²/NDF: 5600739.4/39
In: 0.000+/-0.000 χ²/NDF:7693028.7/41
Out: 0.000+/-0.000 χ²/NDF:7911256.3/44
All: 0.000+/-0.000 χ²/NDF: 15647561.6/86



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: 3592.171+/-628.011 χ^2/NDF: 17.2/20

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

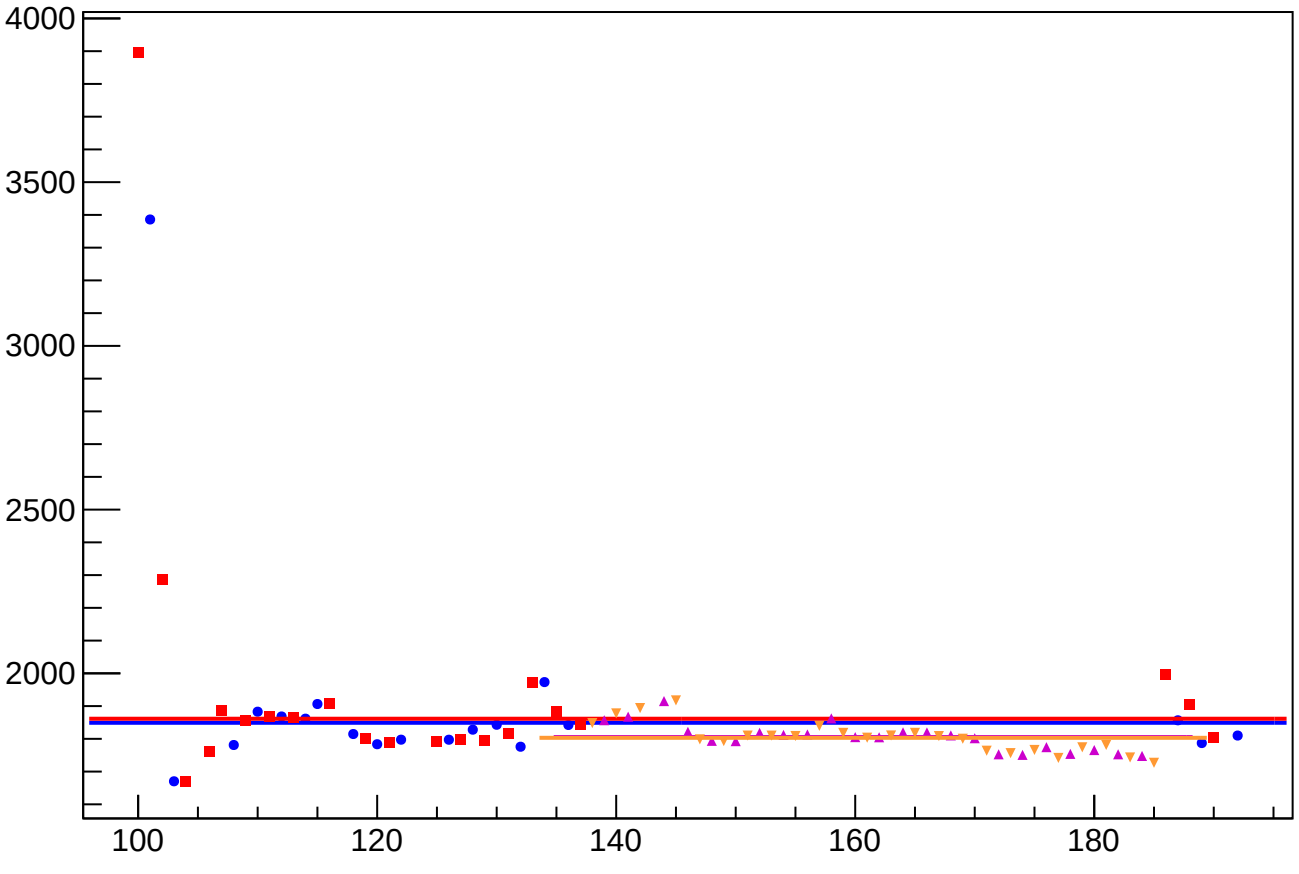
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4174.740+/-442.809 χ^2/NDF: 27.8/39

In: 4685.125+/-349.471 χ^2/NDF:36.6/41

Out: 3311.732+/-348.326 χ^2/NDF:37.4/44

All: 3996.175+/-246.708 χ^2/NDF: 81.7/86



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: 1861.394+/-0.443 χ^2/NDF: 108020.0/20

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

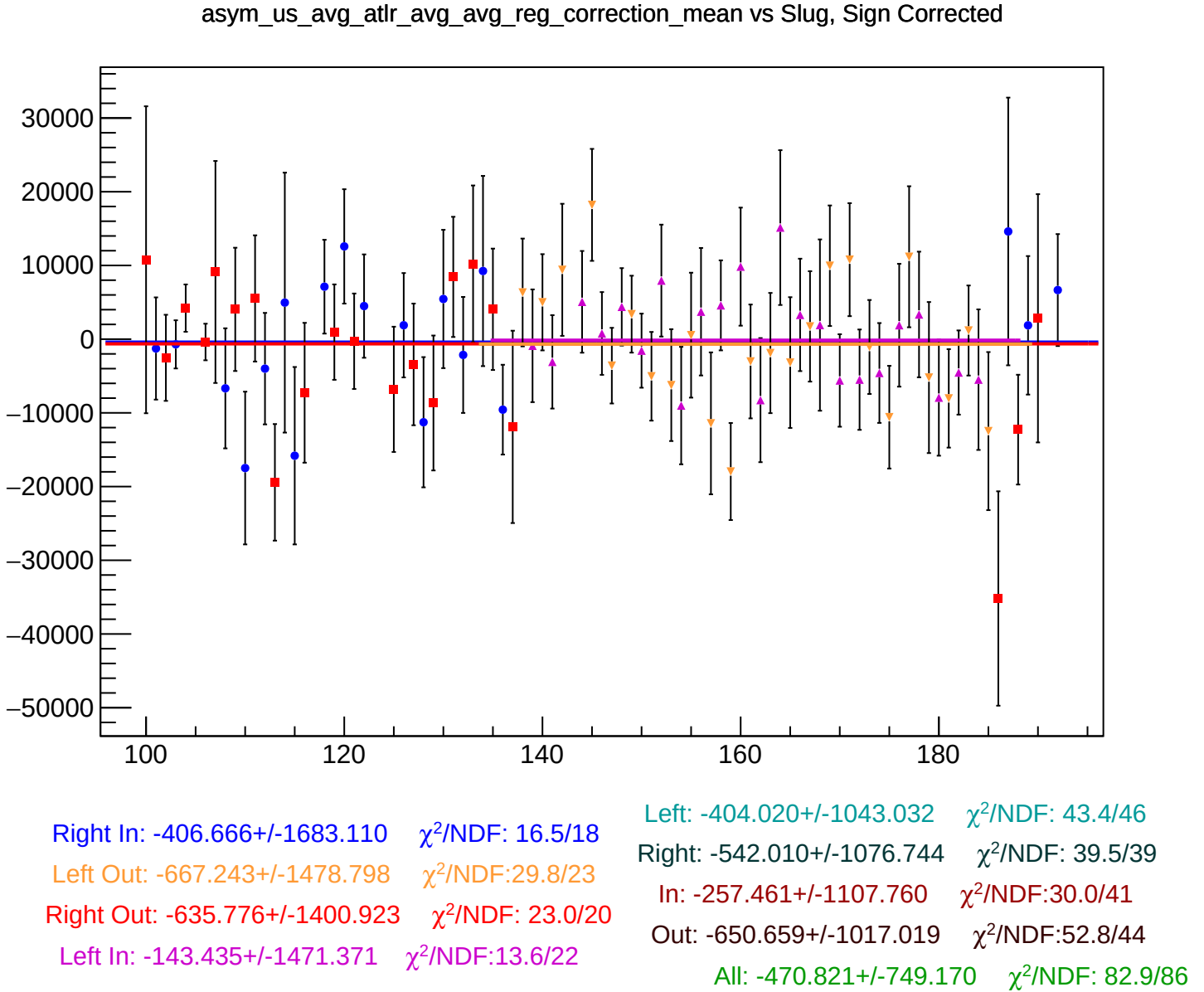
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1855.196+/-0.313 χ^2/NDF: 403376.0/39

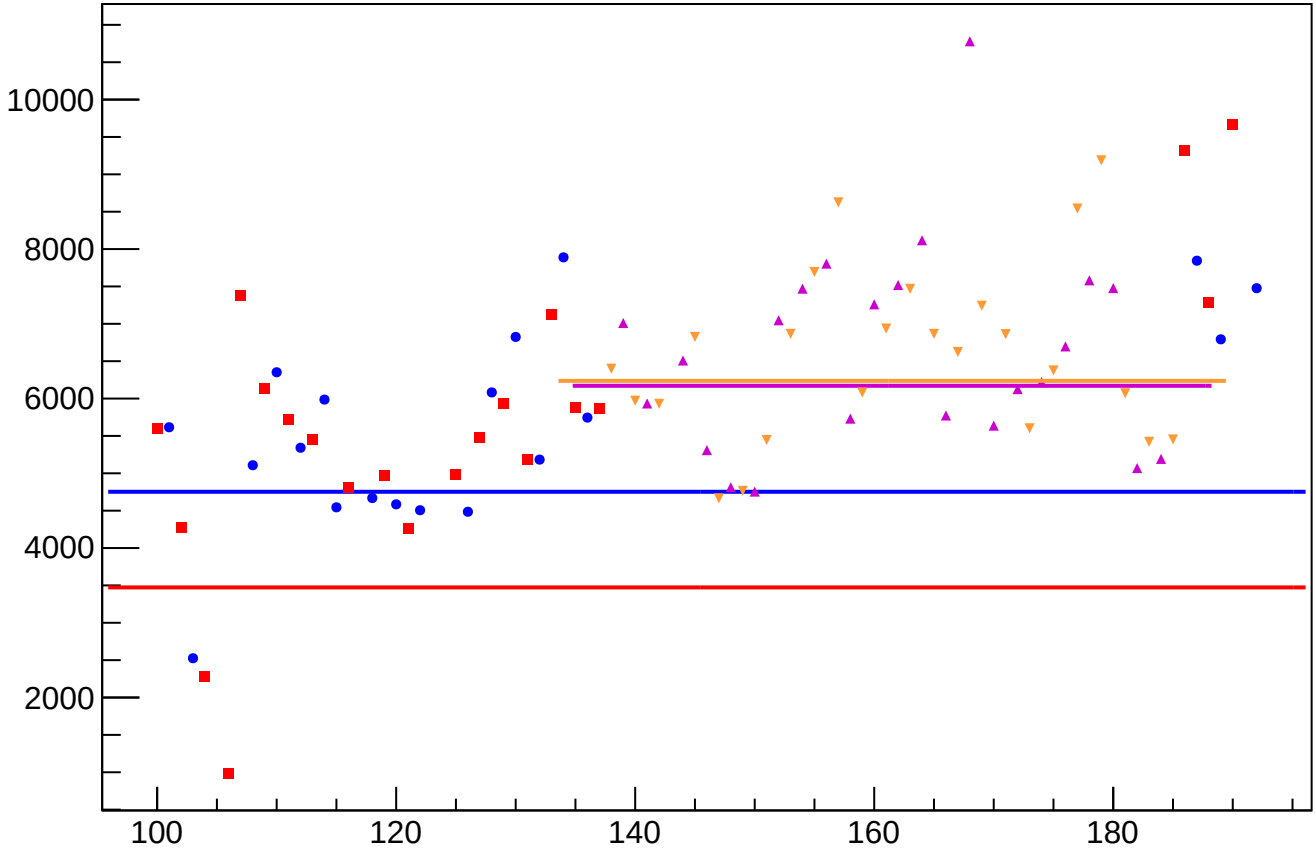
In: 1819.176+/-0.247 χ^2/NDF:320939.2/41

Out: 1821.105+/-0.246 χ^2/NDF:140627.1/44

All: 1820.144+/-0.174 χ^2/NDF: 461596.9/86


asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
Right In: -406.666+/-1683.110 χ²/NDF: 16.5/18
Left Out: -667.243+/-1478.798 χ²/NDF:29.8/23
Right Out: -635.776+/-1400.923 χ²/NDF: 23.0/20
Left In: -143.435+/-1471.371 χ²/NDF:13.6/22
Left: -404.020+/-1043.032 χ²/NDF: 43.4/46
Right: -542.010+/-1076.744 χ²/NDF: 39.5/39
In: -257.461+/-1107.760 χ²/NDF:30.0/41
Out: -650.659+/-1017.019 χ²/NDF:52.8/44
All: -470.821+/-749.170 χ²/NDF: 82.9/86

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 4752.844+/-1.190 χ^2/NDF: 1770085.7/18

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 3473.207+/-0.991 χ^2/NDF: 5131737.9/20

Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

Left: 6203.548+/-0.738 χ^2/NDF: 2307206.4/46

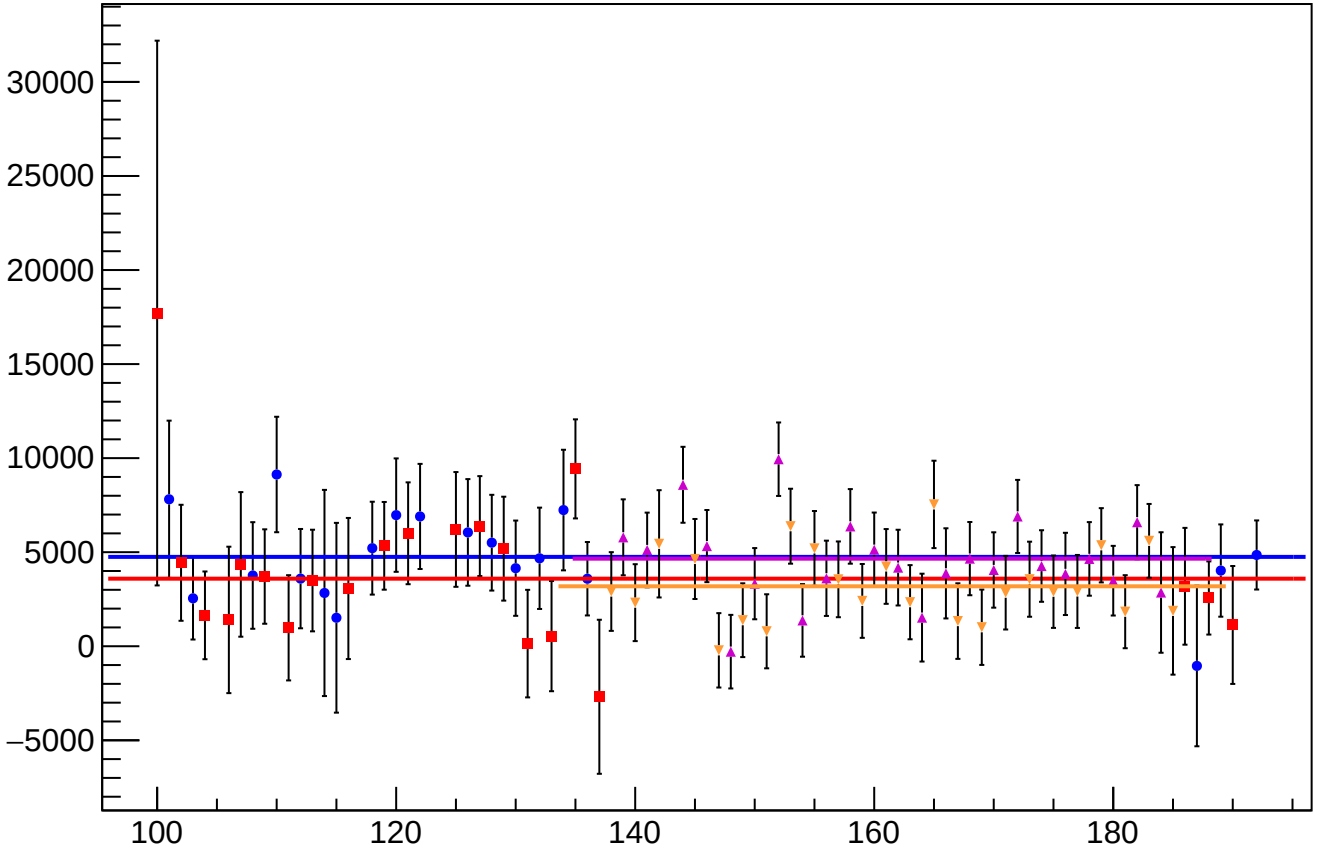
Right: 3996.912+/-0.761 χ^2/NDF: 7584751.7/39

In: 5556.568+/-0.783 χ^2/NDF:3812225.2/41

Out: 4780.246+/-0.719 χ^2/NDF:9880162.9/44

All: 5135.314+/-0.530 χ^2/NDF: 14225385.6/8

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: 3591.967+/-628.011 χ^2/NDF: 17.2/20

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

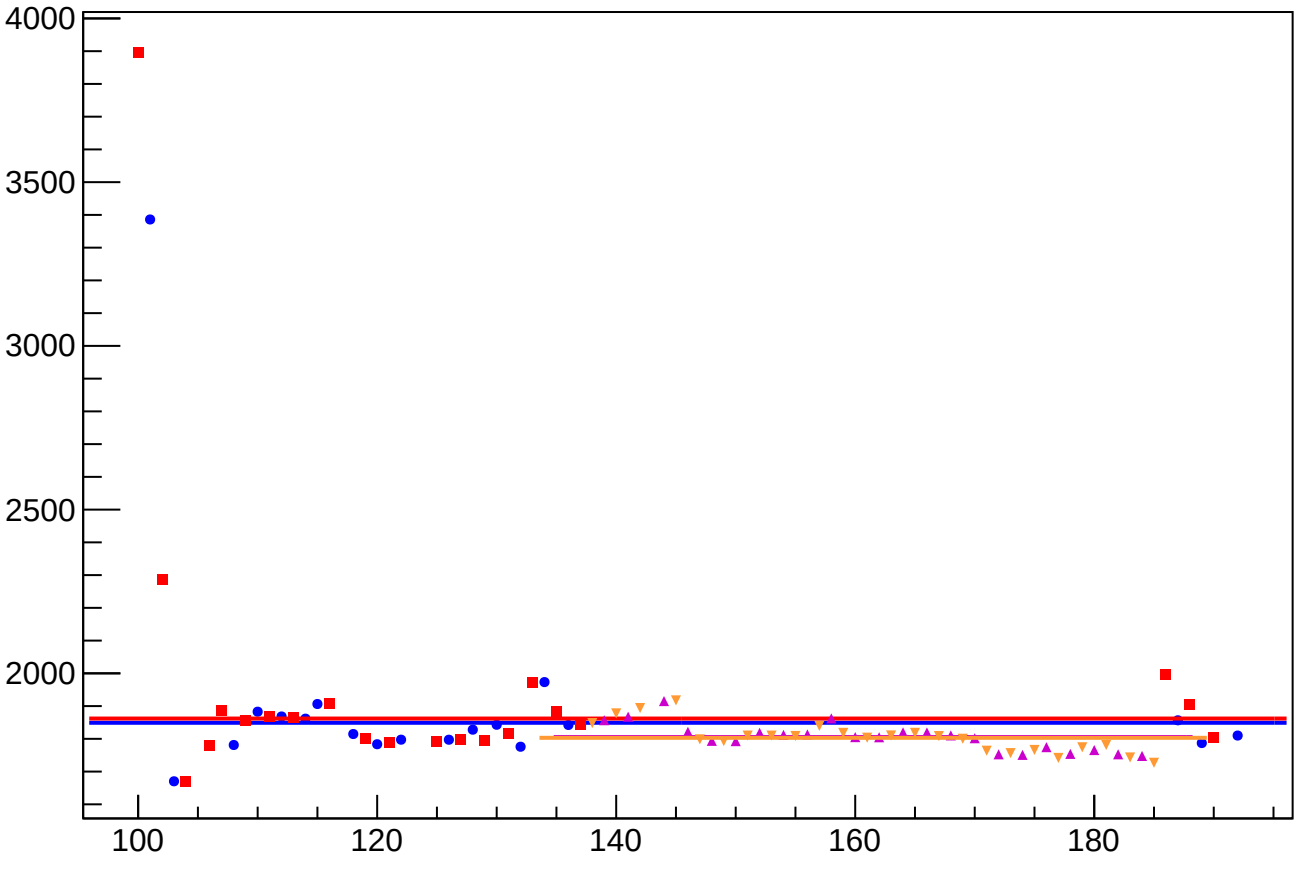
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4174.462+/-442.809 χ^2/NDF: 27.8/39

In: 4685.028+/-349.471 χ^2/NDF:36.6/41

Out: 3311.622+/-348.326 χ^2/NDF:37.4/44

All: 3996.071+/-246.708 χ^2/NDF: 81.7/86



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: 1861.974+/-0.443 χ^2/NDF: 107503.4/20

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

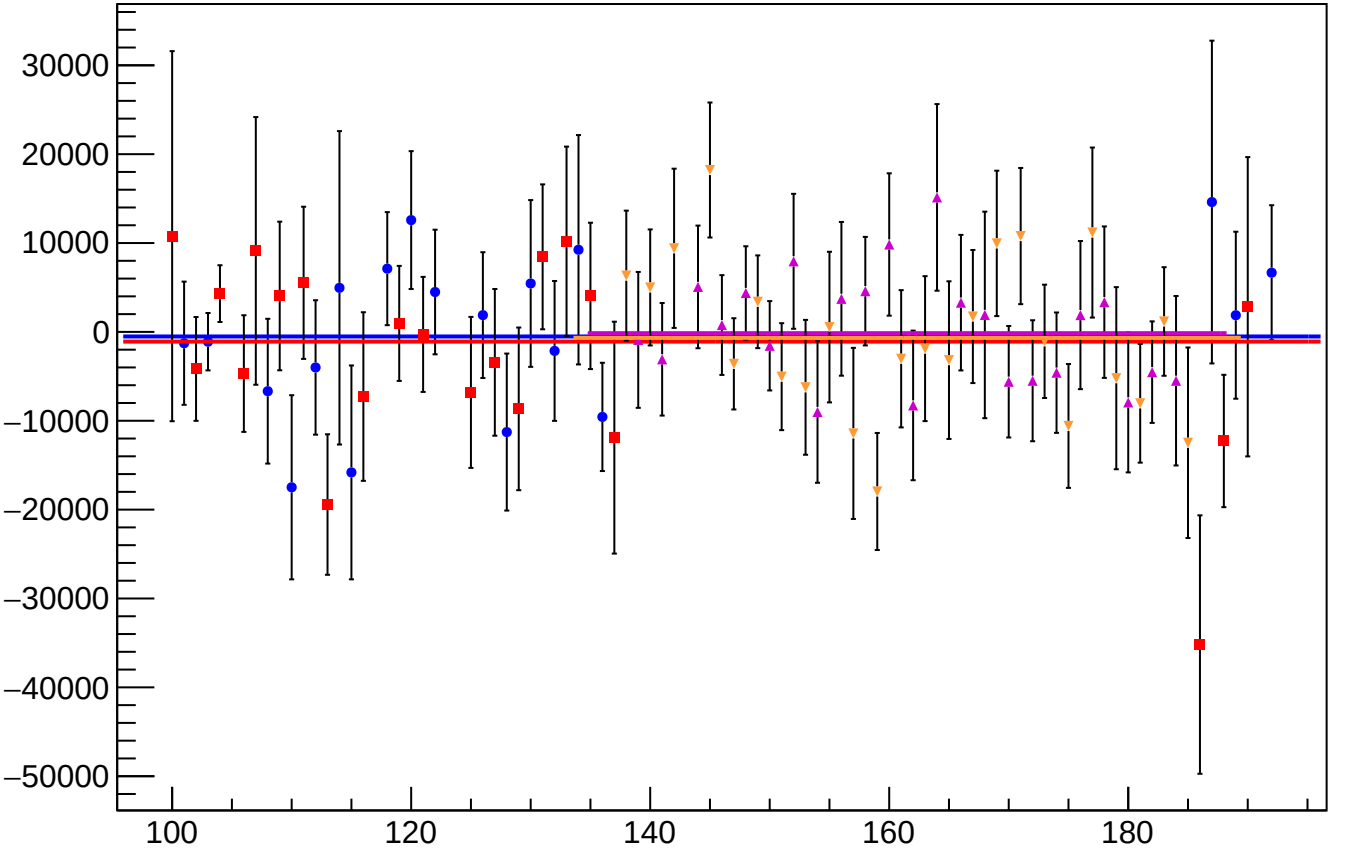
Right: 1855.483+/-0.313 χ^2/NDF: 402898.7/39

In: 1819.176+/-0.247 χ^2/NDF:320941.1/41

Out: 1821.278+/-0.246 χ^2/NDF:140345.6/44

All: 1820.231+/-0.174 χ^2/NDF: 461322.9/86

asym_us_avg_atlr_avg_avg_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: -1089.995+/-1641.086 χ^2/NDF: 23.7/20

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

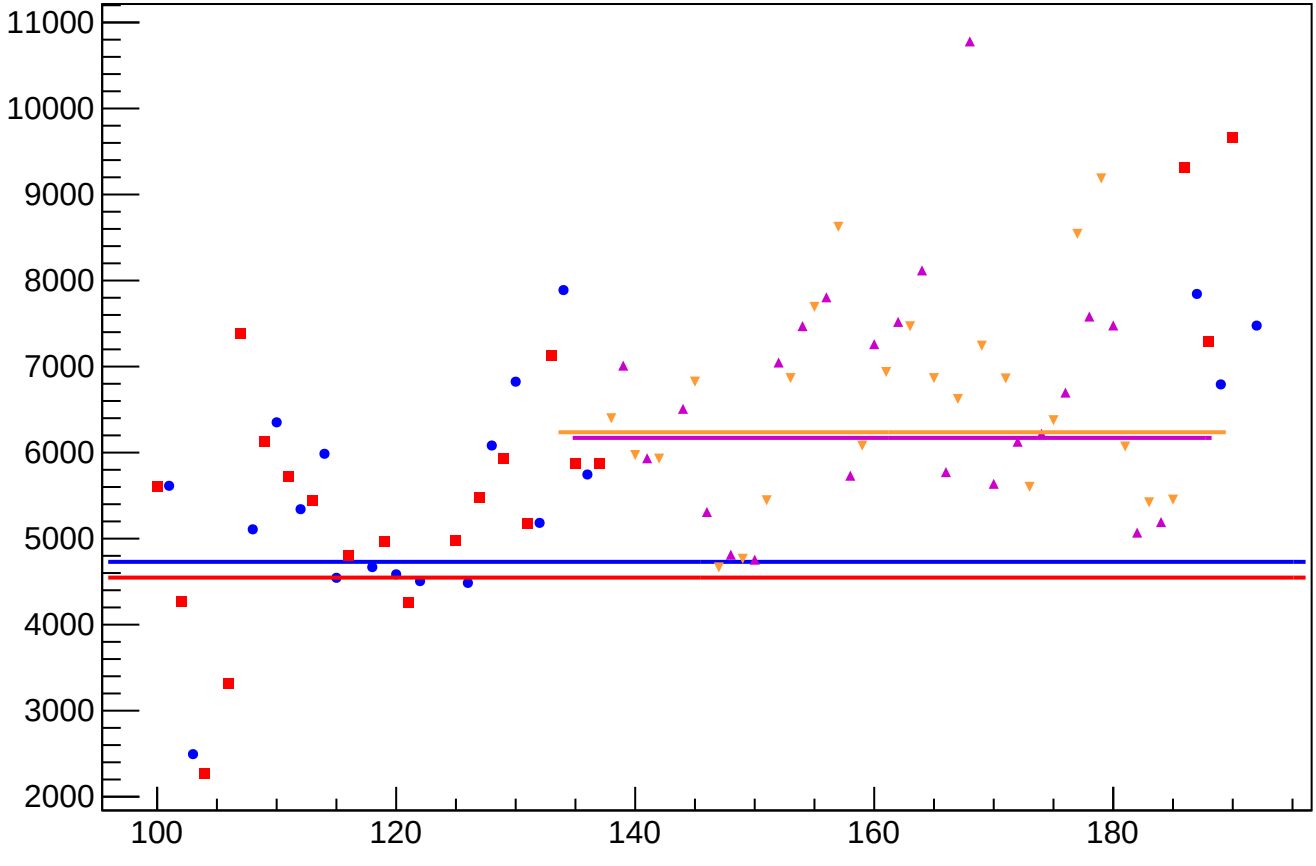
Right: -809.104+/-1173.131 χ^2/NDF: 40.3/39

In: -305.191+/-1106.194 χ^2/NDF:30.1/41

Out: -856.689+/-1098.576 χ^2/NDF:53.5/44

All: -582.846+/-779.490 χ^2/NDF: 83.7/86

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: 4546.926+/-1.160 χ^2/NDF: 2267235.2/20

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

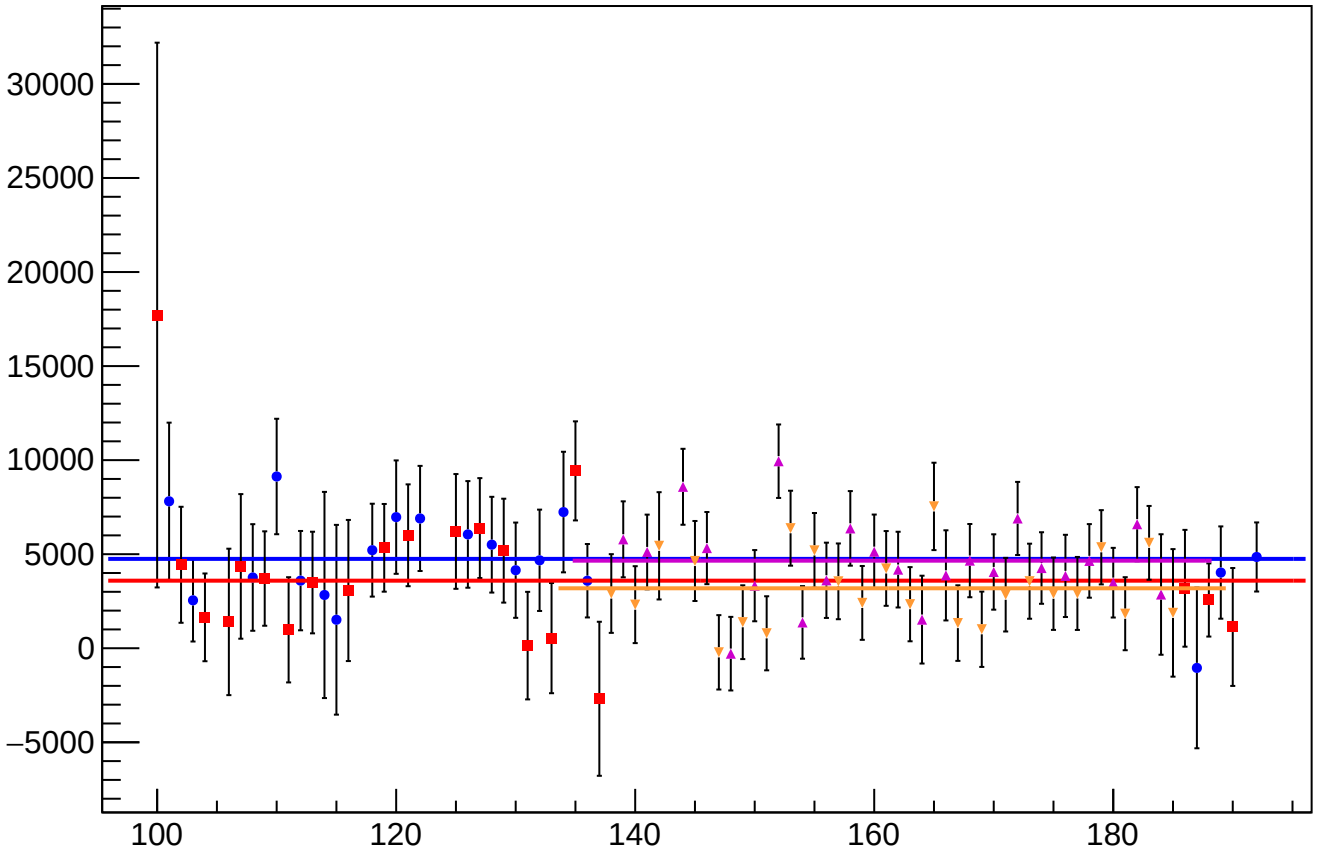
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4636.466+/-0.830 χ^2/NDF: 4098383.0/39

In: 5544.381+/-0.782 χ^2/NDF:3890279.1/41

Out: 5479.438+/-0.777 χ^2/NDF:4505027.9/44

All: 5511.685+/-0.551 χ^2/NDF: 8398777.6/86



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: 3591.967+/-628.011 χ^2/NDF: 17.2/20

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

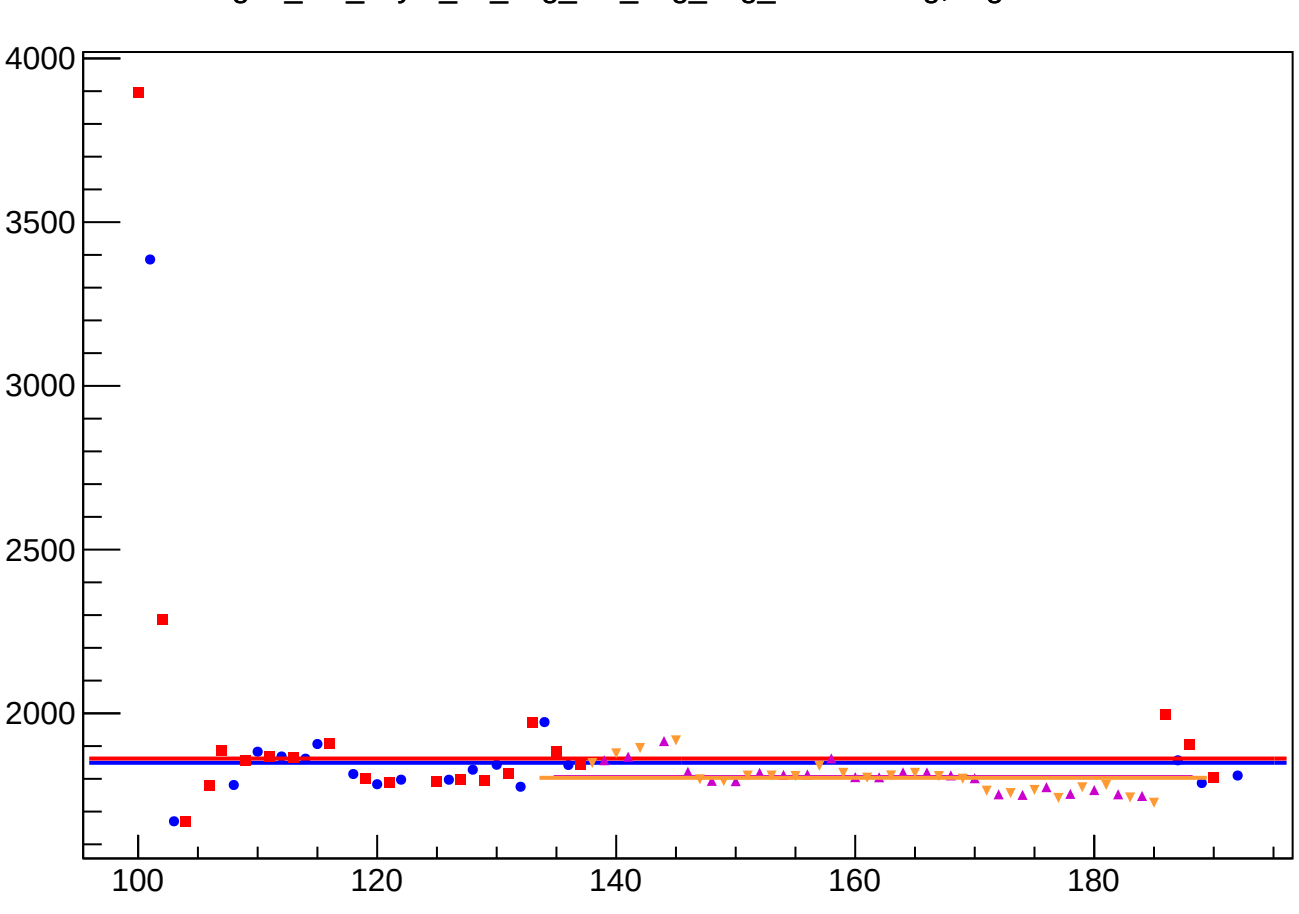
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4174.462+/-442.809 χ^2/NDF: 27.8/39

In: 4685.028+/-349.471 χ^2/NDF:36.6/41

Out: 3311.622+/-348.326 χ^2/NDF:37.4/44

All: 3996.071+/-246.708 χ^2/NDF: 81.7/86



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: 1861.974+/-0.443 χ^2/NDF: 107503.4/20

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

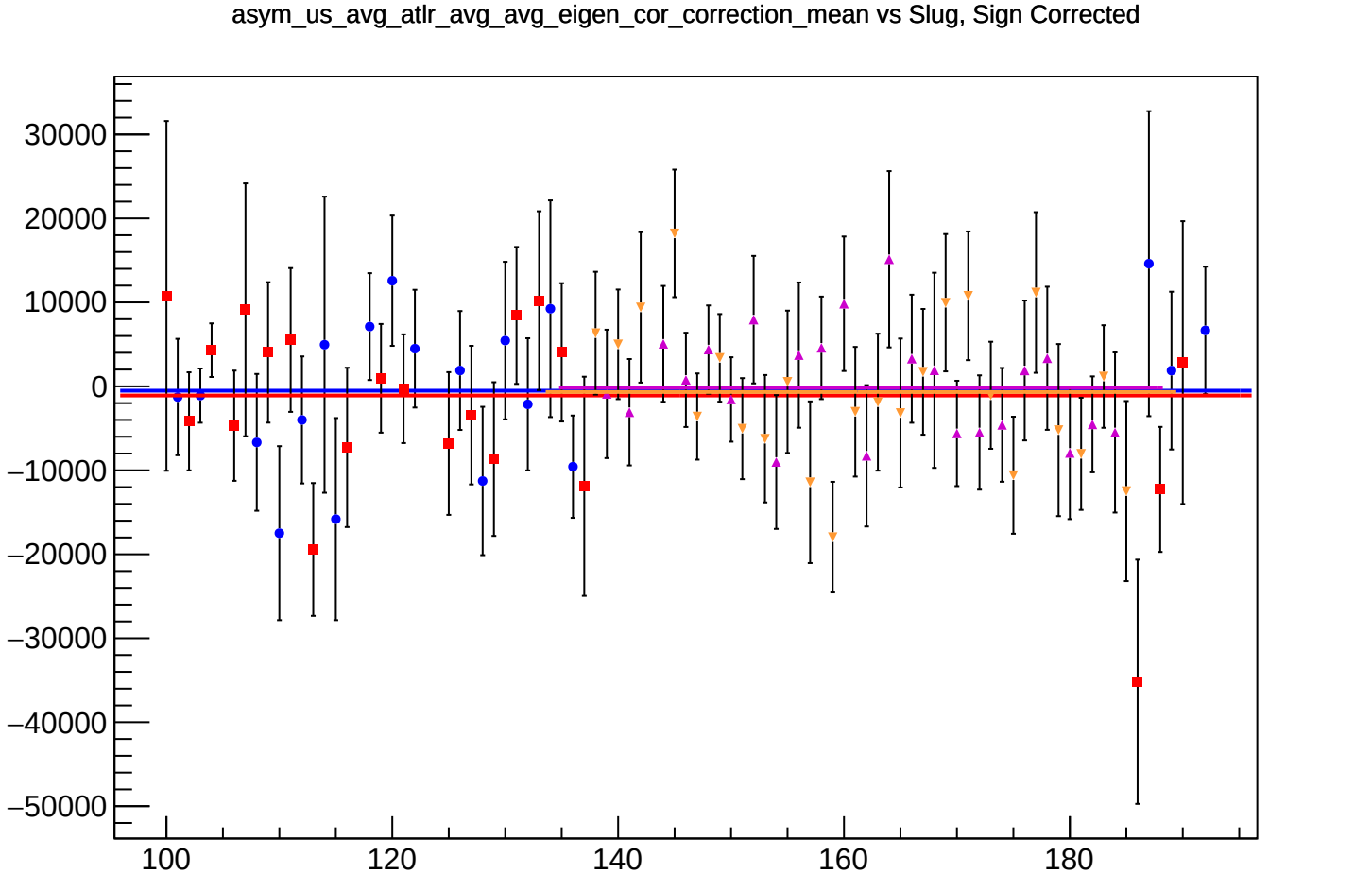
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1855.483+/-0.313 χ^2/NDF: 402898.7/39

In: 1819.176+/-0.247 χ^2/NDF:320941.1/41

Out: 1821.278+/-0.246 χ^2/NDF:140345.6/44

All: 1820.231+/-0.174 χ^2/NDF: 461322.9/86



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: -1089.995+/-1641.086 χ^2/NDF: 23.7/20

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

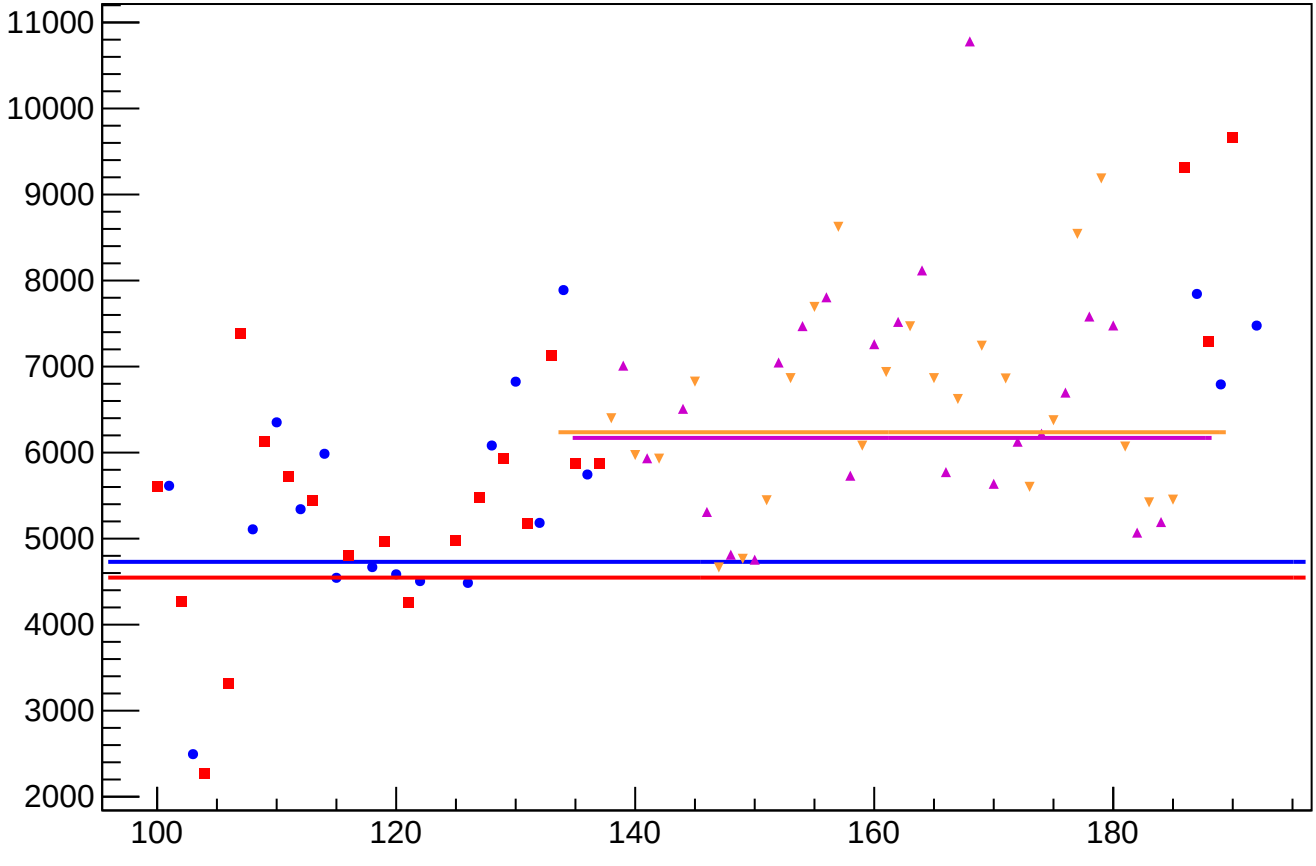
Right: -809.104+/-1173.131 χ^2/NDF: 40.3/39

In: -305.191+/-1106.194 χ^2/NDF:30.1/41

Out: -856.689+/-1098.576 χ^2/NDF:53.5/44

All: -582.846+/-779.490 χ^2/NDF: 83.7/86

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: 4546.926+/-1.160 χ^2/NDF: 2267235.2/20

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

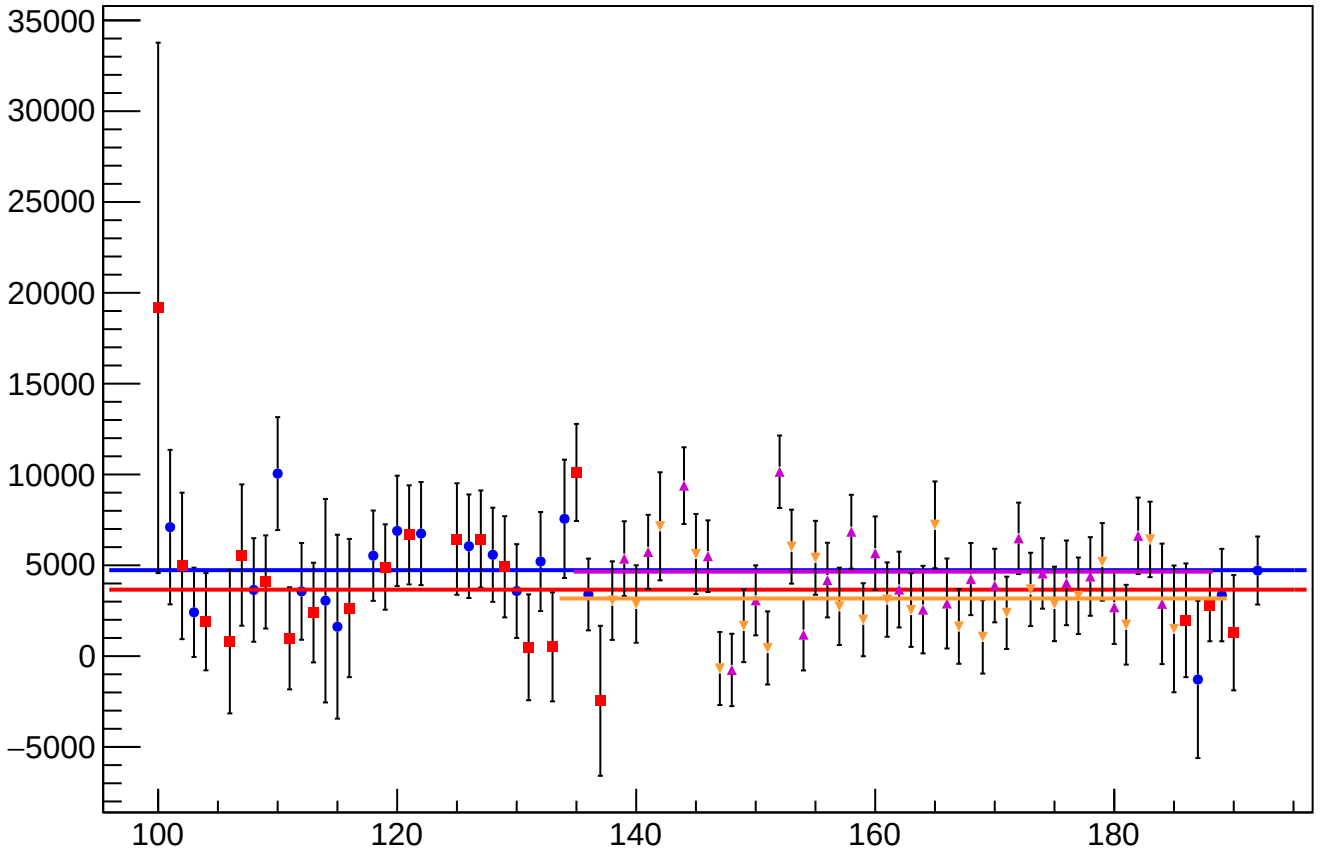
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4636.466+/-0.830 χ^2/NDF: 4098383.0/39

In: 5544.381+/-0.782 χ^2/NDF:3890279.1/41

Out: 5479.438+/-0.777 χ^2/NDF:4505027.9/44

All: 5511.685+/-0.551 χ^2/NDF: 8398777.6/86



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: 3659.565+/-645.969 χ^2/NDF: 18.6/20

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

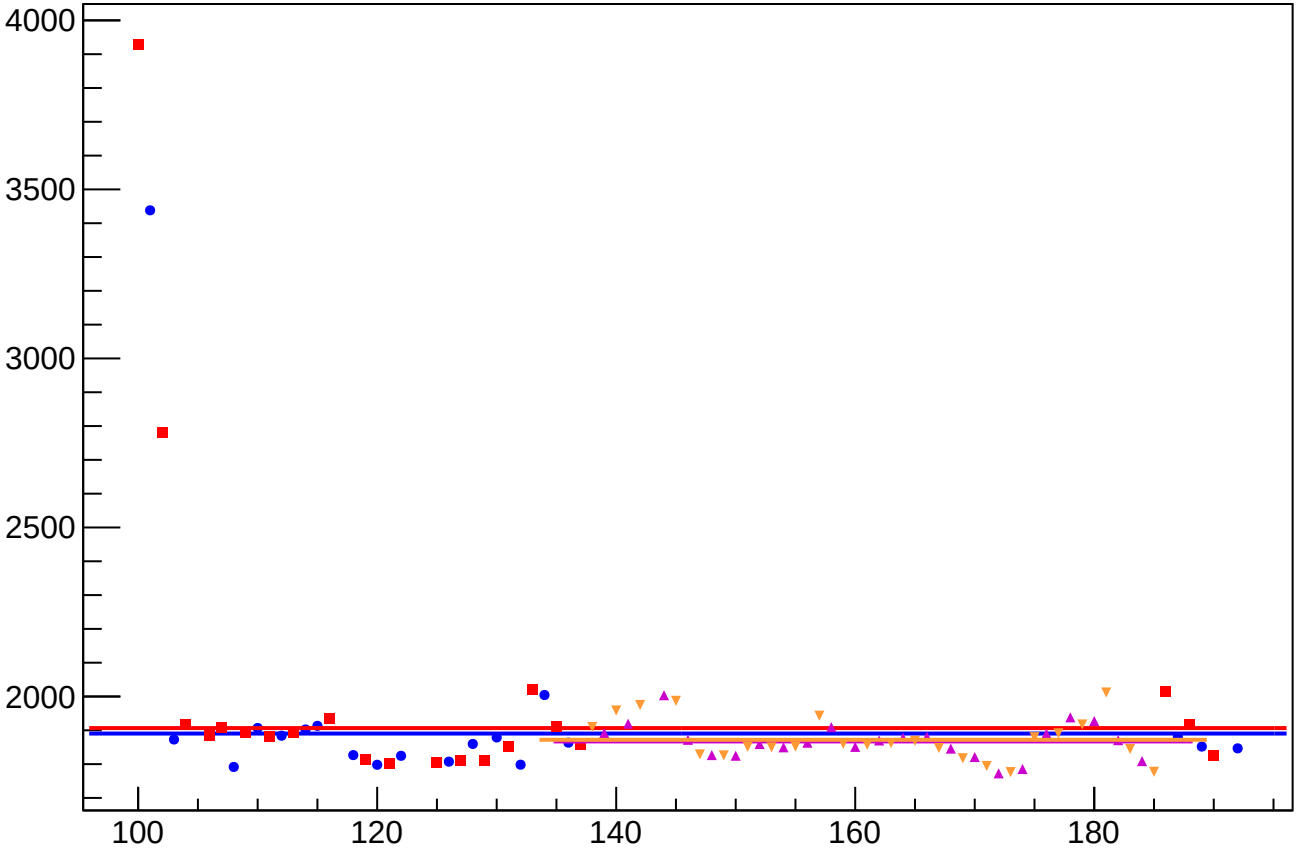
Right: 4202.440+/-454.058 χ^2/NDF: 30.1/39

In: 4676.610+/-360.150 χ^2/NDF:40.6/41

Out: 3325.783+/-360.710 χ^2/NDF:40.6/44

All: 4002.246+/-254.862 χ^2/NDF: 88.2/86

dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



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: 1906.620+/-0.456 χ^2/NDF: 153894.9/20

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

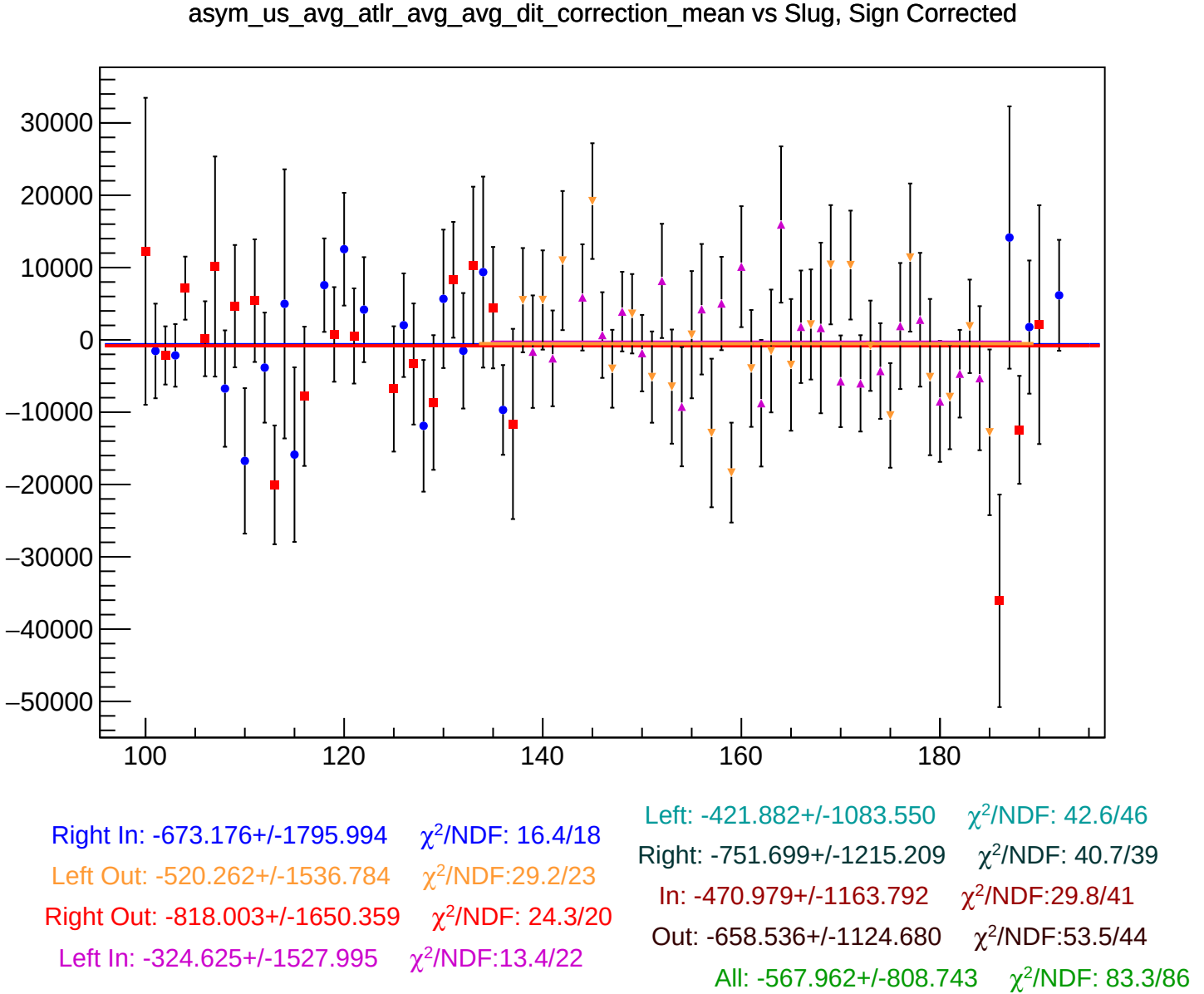
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

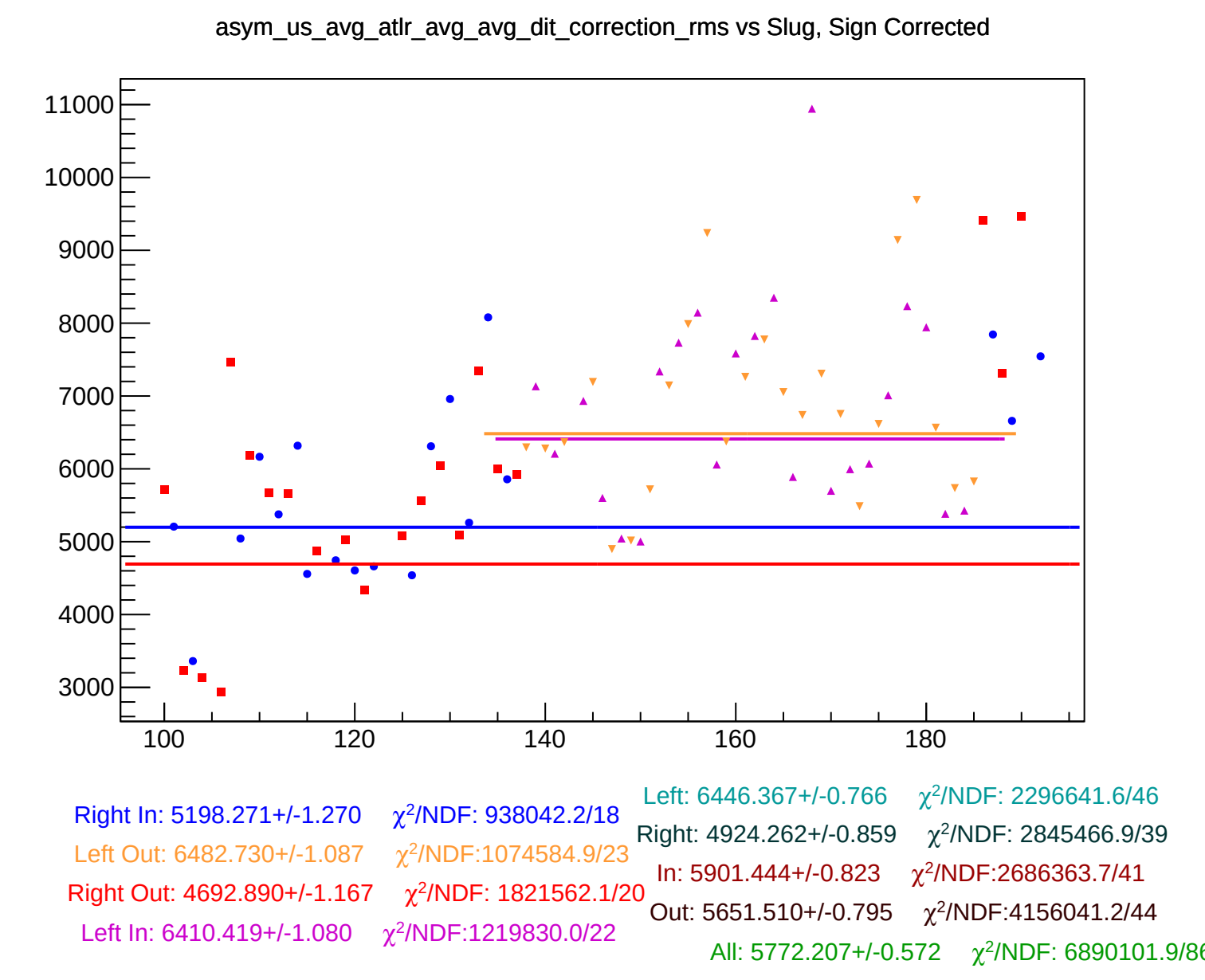
Right: 1898.440+/-0.321 χ^2/NDF: 434906.9/39

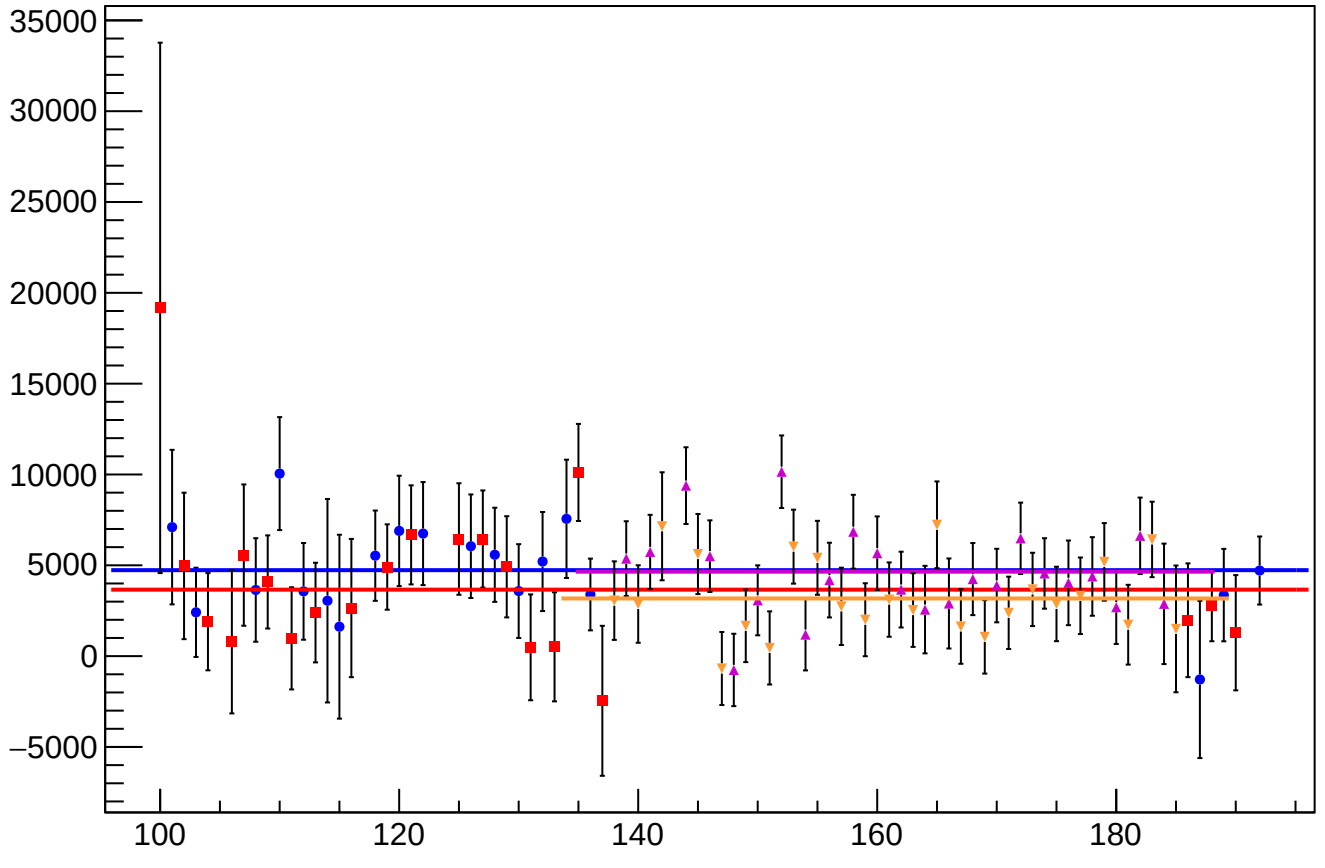
In: 1874.514+/-0.255 χ^2/NDF:309448.8/41

Out: 1882.794+/-0.255 χ^2/NDF:195012.5/44

All: 1878.649+/-0.180 χ^2/NDF: 504989.2/86


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: -818.003+/-1650.359 χ²/NDF: 24.3/20
Left In: -324.625+/-1527.995 χ²/NDF:13.4/22
Left: -421.882+/-1083.550 χ²/NDF: 42.6/46
Right: -751.699+/-1215.209 χ²/NDF: 40.7/39
In: -470.979+/-1163.792 χ²/NDF:29.8/41
Out: -658.536+/-1124.680 χ²/NDF:53.5/44
All: -567.962+/-808.743 χ²/NDF: 83.3/86


asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
Right In: 5198.271+/-1.270 χ²/NDF: 938042.2/18
Left Out: 6482.730+/-1.087 χ²/NDF:1074584.9/23
Right Out: 4692.890+/-1.167 χ²/NDF: 1821562.1/20
Left In: 6410.419+/-1.080 χ²/NDF:1219830.0/22
Left: 6446.367+/-0.766 χ²/NDF: 2296641.6/46
Right: 4924.262+/-0.859 χ²/NDF: 2845466.9/39
In: 5901.444+/-0.823 χ²/NDF:2686363.7/41
Out: 5651.510+/-0.795 χ²/NDF:4156041.2/44
All: 5772.207+/-0.572 χ²/NDF: 6890101.9/86



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: 3659.563+/-645.969 χ^2/NDF: 18.6/20

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

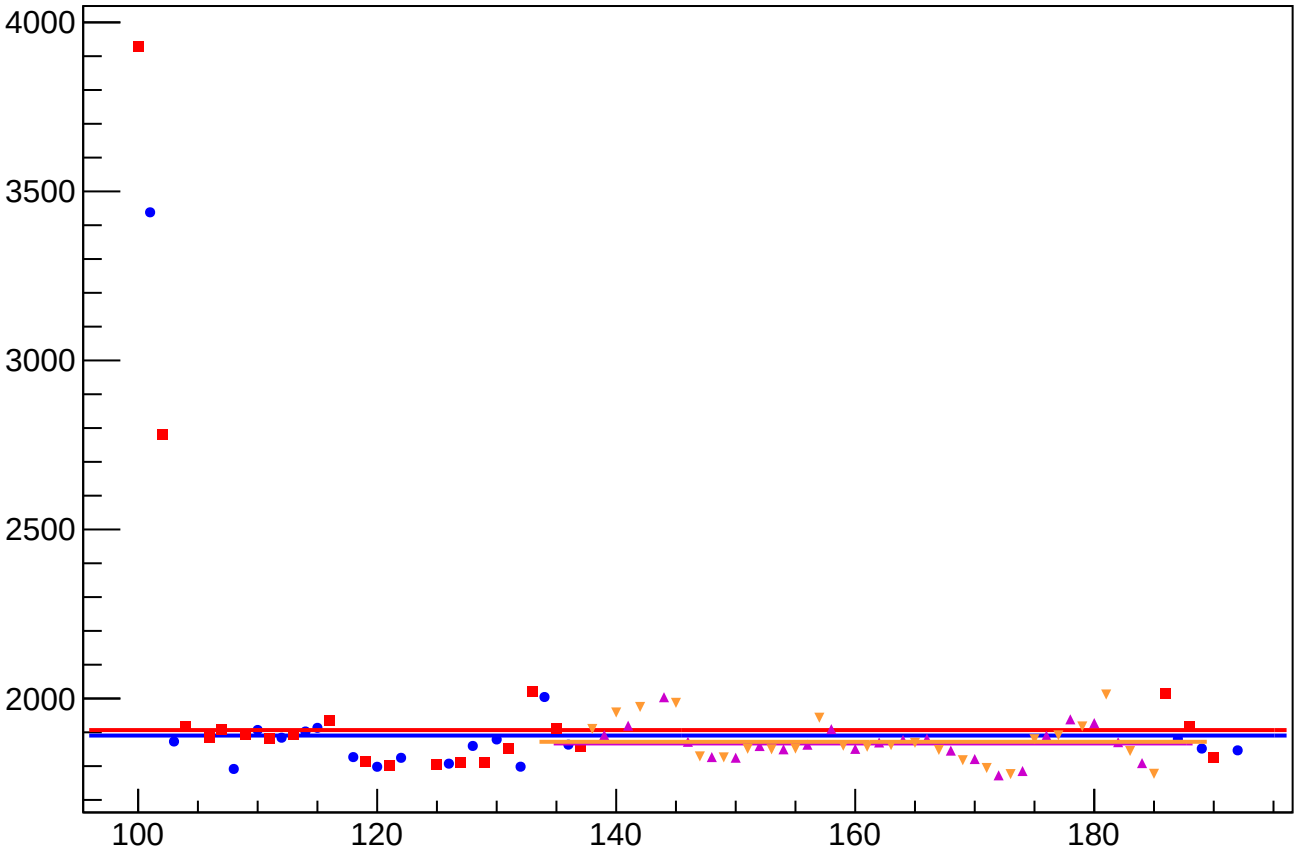
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4202.439+/-454.058 χ^2/NDF: 30.1/39

In: 4676.610+/-360.150 χ^2/NDF:40.6/41

Out: 3325.778+/-360.710 χ^2/NDF:40.6/44

All: 4002.244+/-254.862 χ^2/NDF: 88.2/86



Right In: 1890.437+/-0.451 χ^2/NDF: 280376.8/18

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1906.619+/-0.456 χ^2/NDF: 153894.1/20

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

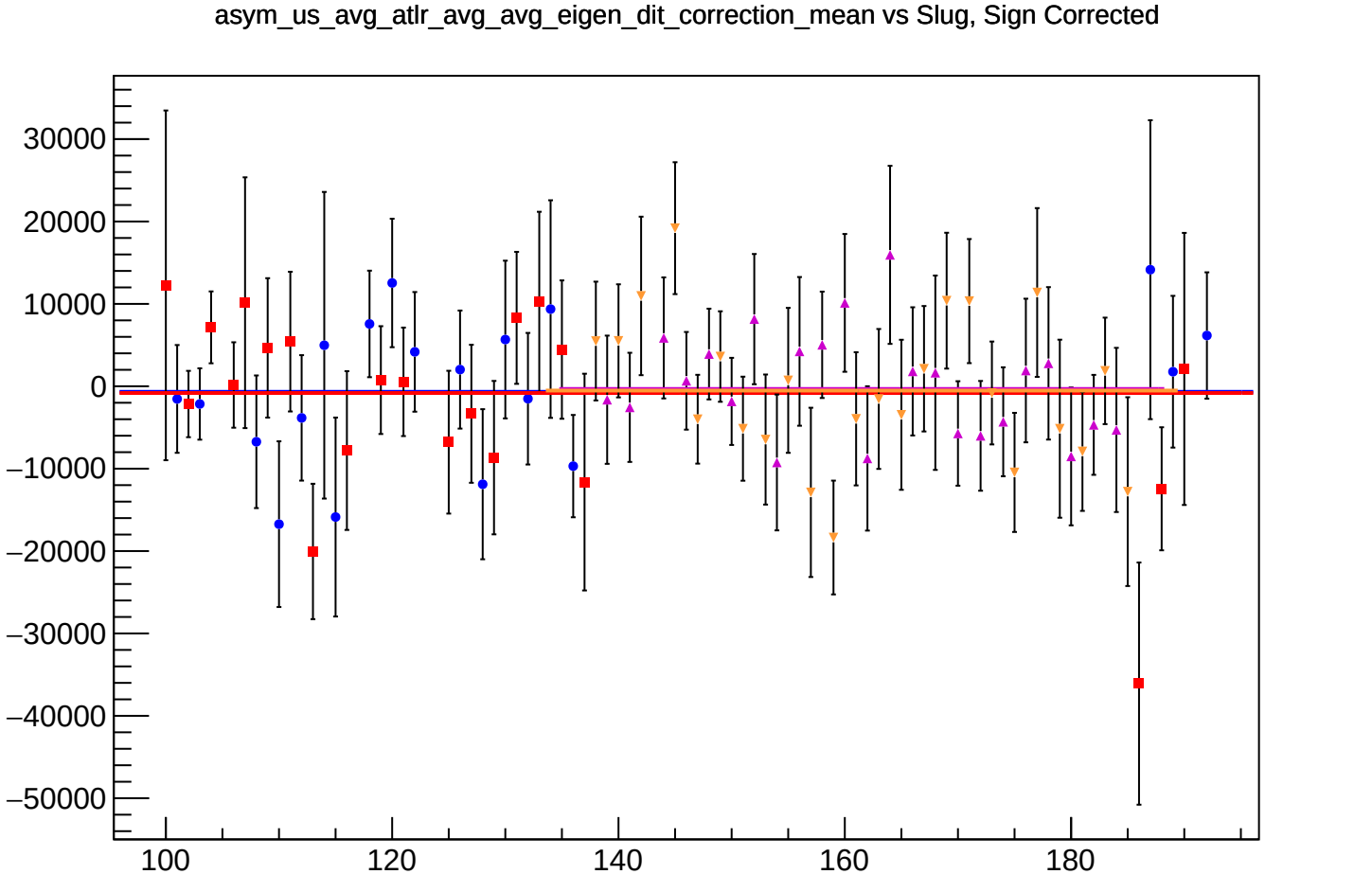
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1898.440+/-0.321 χ^2/NDF: 434906.5/39

In: 1874.515+/-0.255 χ^2/NDF:309450.0/41

Out: 1882.794+/-0.255 χ^2/NDF:195012.3/44

All: 1878.649+/-0.180 χ^2/NDF: 504990.1/86



Right In: -673.169+/-1795.990 χ^2/NDF: 16.4/18

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

Right Out: -817.997+/-1650.355 χ^2/NDF: 24.3/20

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

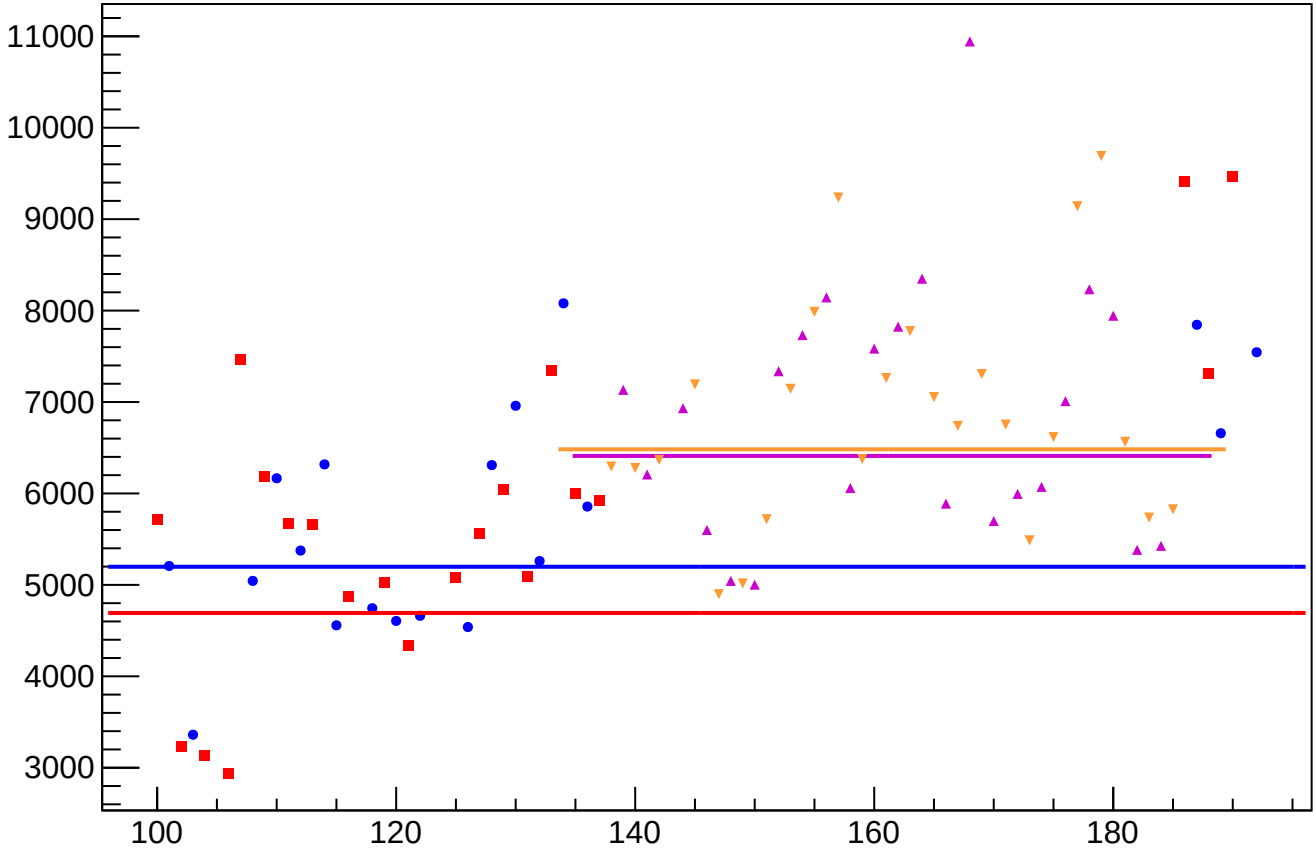
Right: -751.692+/-1215.207 χ^2/NDF: 40.7/39

In: -470.978+/-1163.792 χ^2/NDF:29.8/41

Out: -658.537+/-1124.680 χ^2/NDF:53.5/44

All: -567.962+/-808.743 χ^2/NDF: 83.3/86

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: 4692.878+/-1.167 χ^2/NDF: 1821566.4/20

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

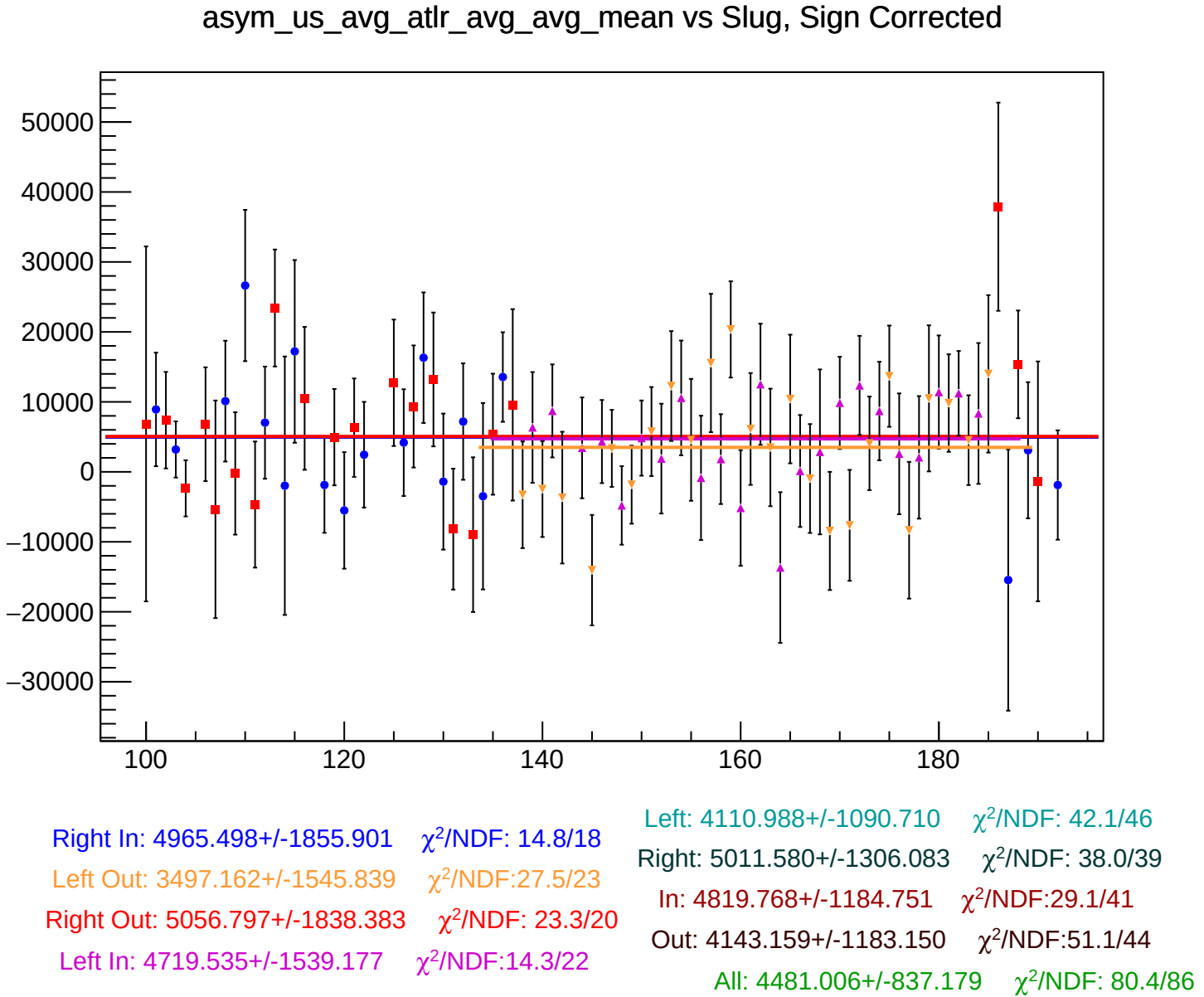
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

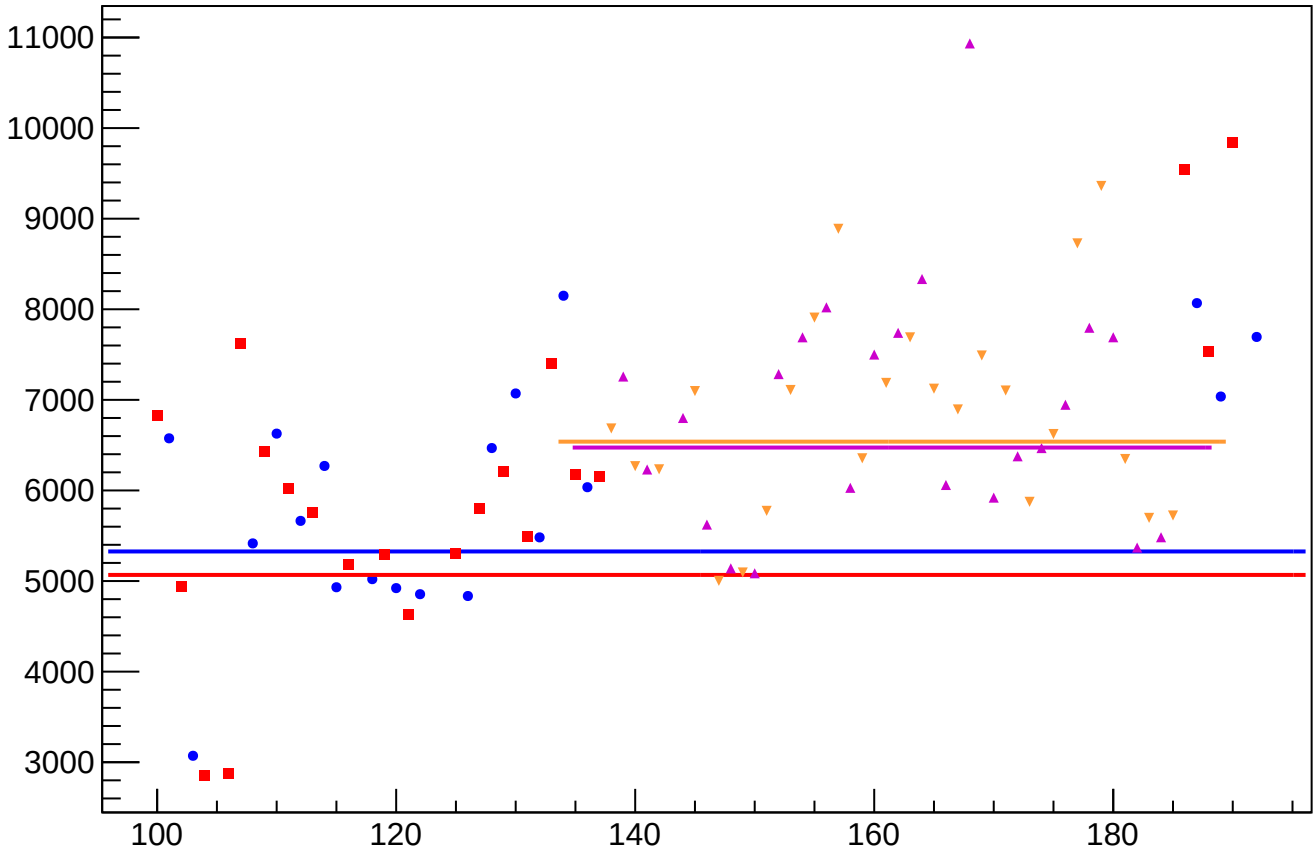
Right: 4924.250+/-0.859 χ^2/NDF: 2845478.8/39

In: 5901.443+/-0.823 χ^2/NDF:2686394.4/41

Out: 5651.507+/-0.795 χ^2/NDF:4156080.4/44

All: 5772.205+/-0.572 χ^2/NDF: 6890172.5/86


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: 5056.797+/-1838.383 χ²/NDF: 23.3/20
Left In: 4719.535+/-1539.177 χ²/NDF:14.3/22
Left: 4110.988+/-1090.710 χ²/NDF: 42.1/46
Right: 5011.580+/-1306.083 χ²/NDF: 38.0/39
In: 4819.768+/-1184.751 χ²/NDF:29.1/41
Out: 4143.159+/-1183.150 χ²/NDF:51.1/44
All: 4481.006+/-837.179 χ²/NDF: 80.4/86



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: 5067.488+/-1.276 χ^2/NDF: 1746195.1/20

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

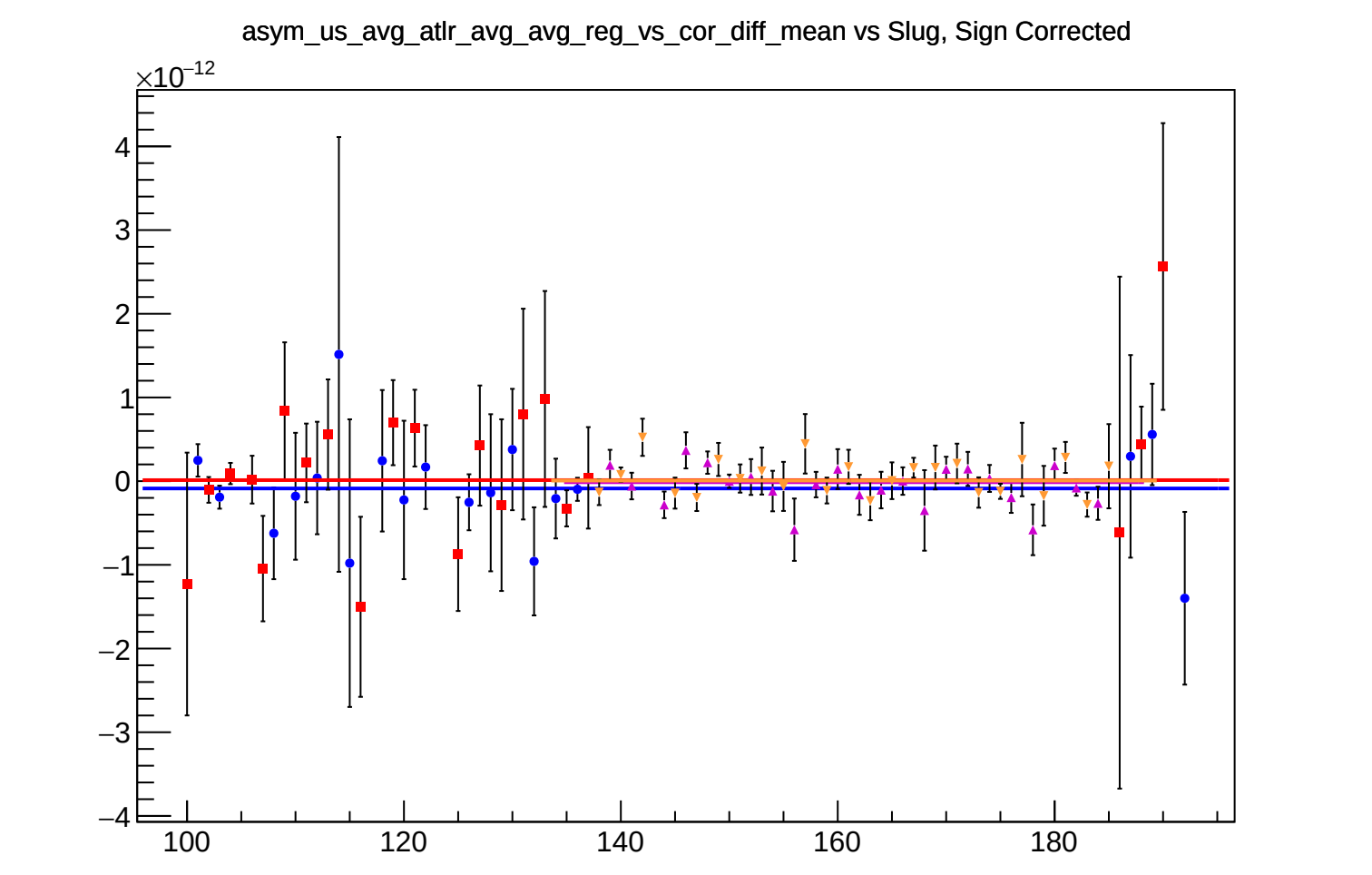
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 5193.376+/-0.915 χ^2/NDF: 3006163.2/39

In: 6006.081+/-0.838 χ^2/NDF:2764252.8/41

Out: 5915.958+/-0.830 χ^2/NDF:3433622.8/44

All: 5960.607+/-0.590 χ^2/NDF: 6203715.2/86



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: 20.6/20

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

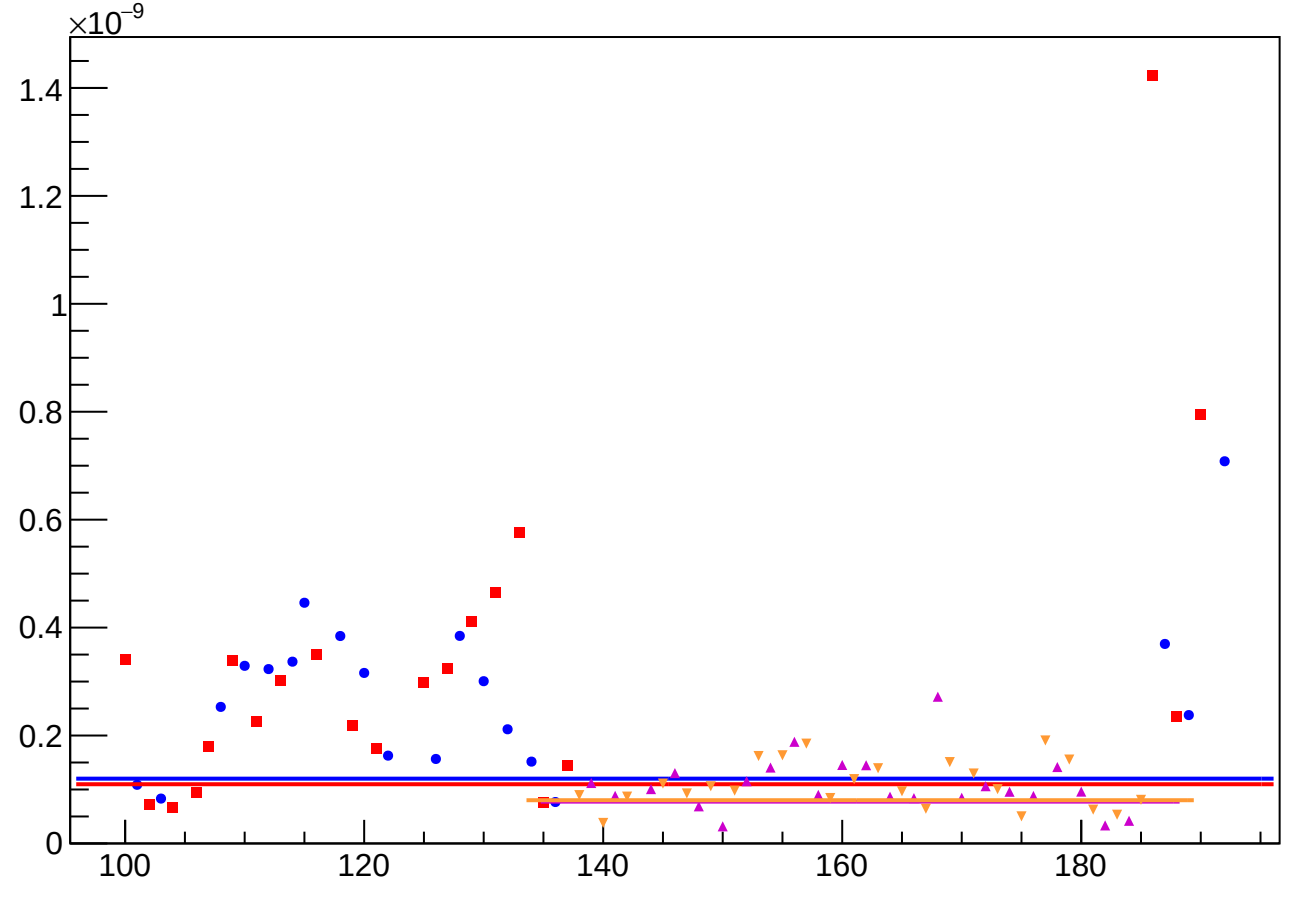
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 32.5/39

In: -0.000+/-0.000 χ^2/NDF:35.8/41

Out: 0.000+/-0.000 χ^2/NDF:47.8/44

All: -0.000+/-0.000 χ^2/NDF: 84.1/86



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: 2942826.4/20

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

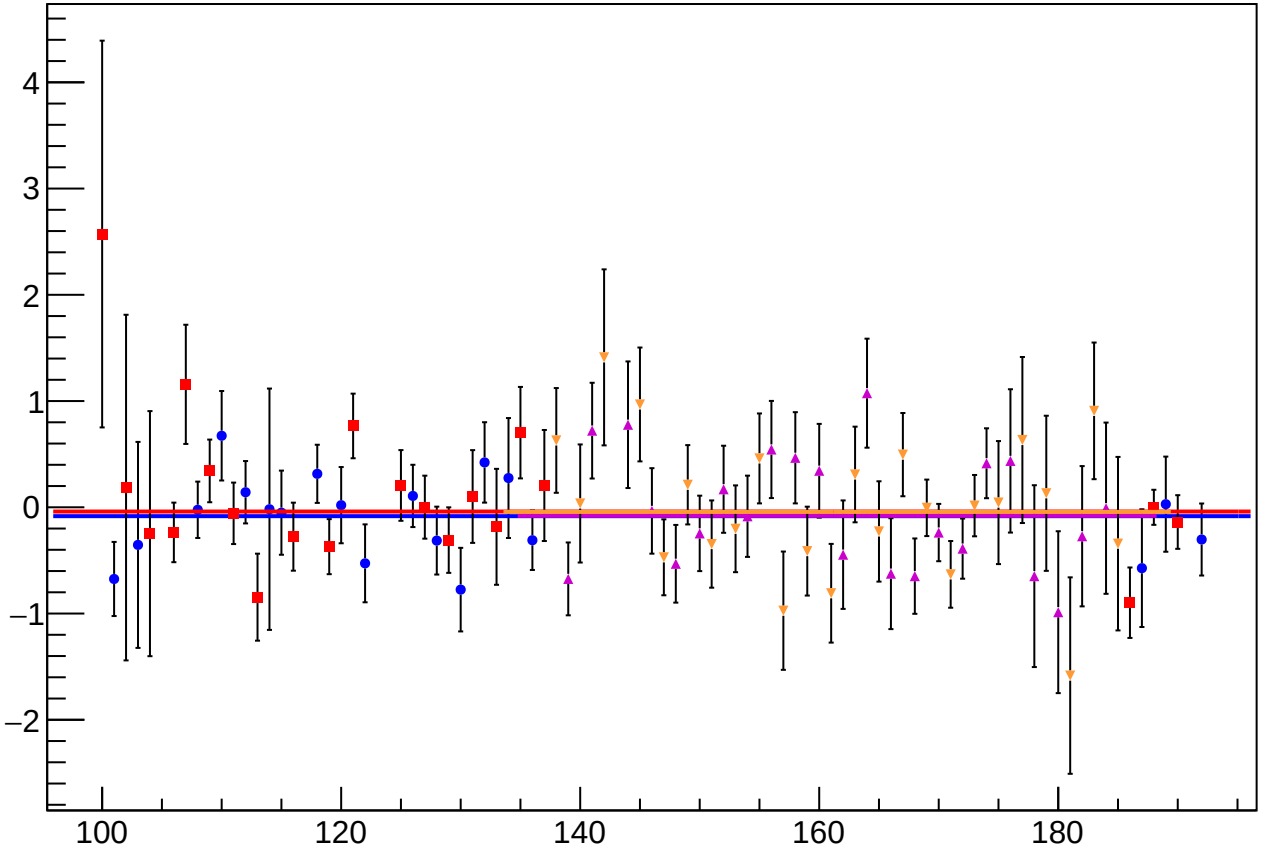
Right: 0.000+/-0.000 χ^2/NDF: 5309737.1/39

In: 0.000+/-0.000 χ^2/NDF:5501725.7/41

Out: 0.000+/-0.000 χ^2/NDF:5346805.0/44

All: 0.000+/-0.000 χ^2/NDF: 10848968.1/86

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: -0.040+/-0.072 χ^2/NDF: 33.5/20

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

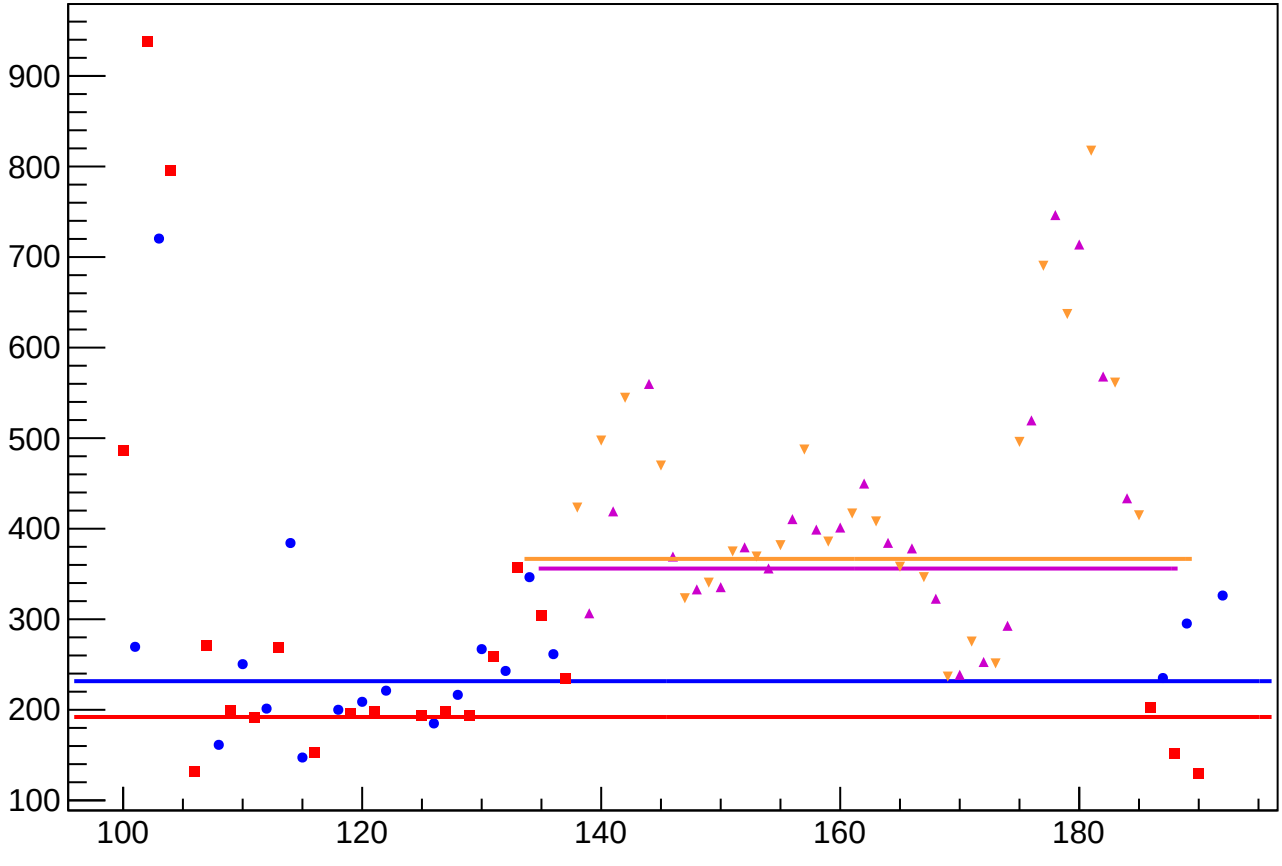
Right: -0.059+/-0.055 χ^2/NDF: 52.3/39

In: -0.082+/-0.060 χ^2/NDF:49.0/41

Out: -0.041+/-0.056 χ^2/NDF:64.5/44

All: -0.060+/-0.041 χ^2/NDF: 113.7/86

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: 192.059+/-0.051 χ^2/NDF: 1877824.5/20

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

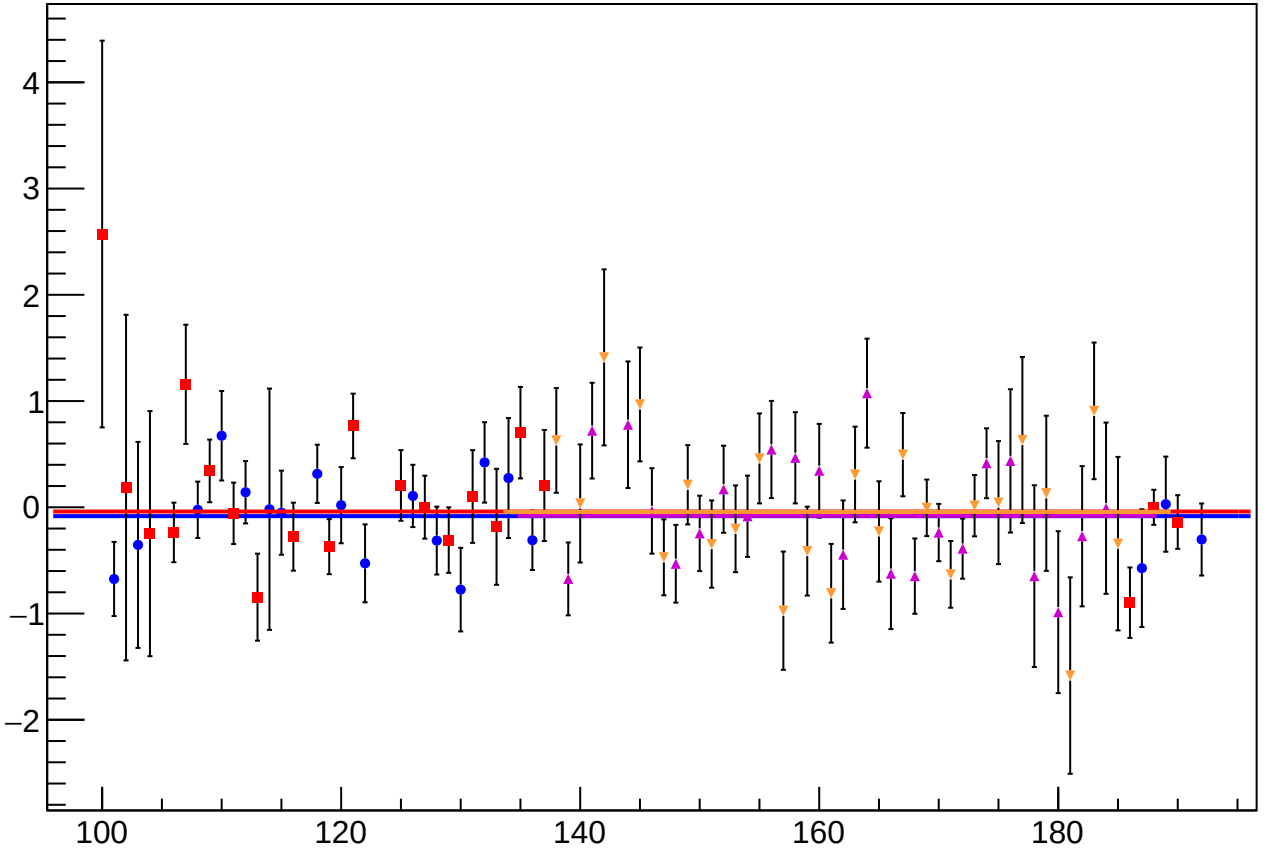
Right: 209.011+/-0.039 χ^2/NDF: 3371721.2/39

In: 290.550+/-0.043 χ^2/NDF:5769666.4/41

Out: 259.901+/-0.040 χ^2/NDF:9275802.5/44

All: 274.170+/-0.029 χ^2/NDF: 15320582.5/86

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: -0.040+/-0.072 χ^2/NDF: 33.5/20

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

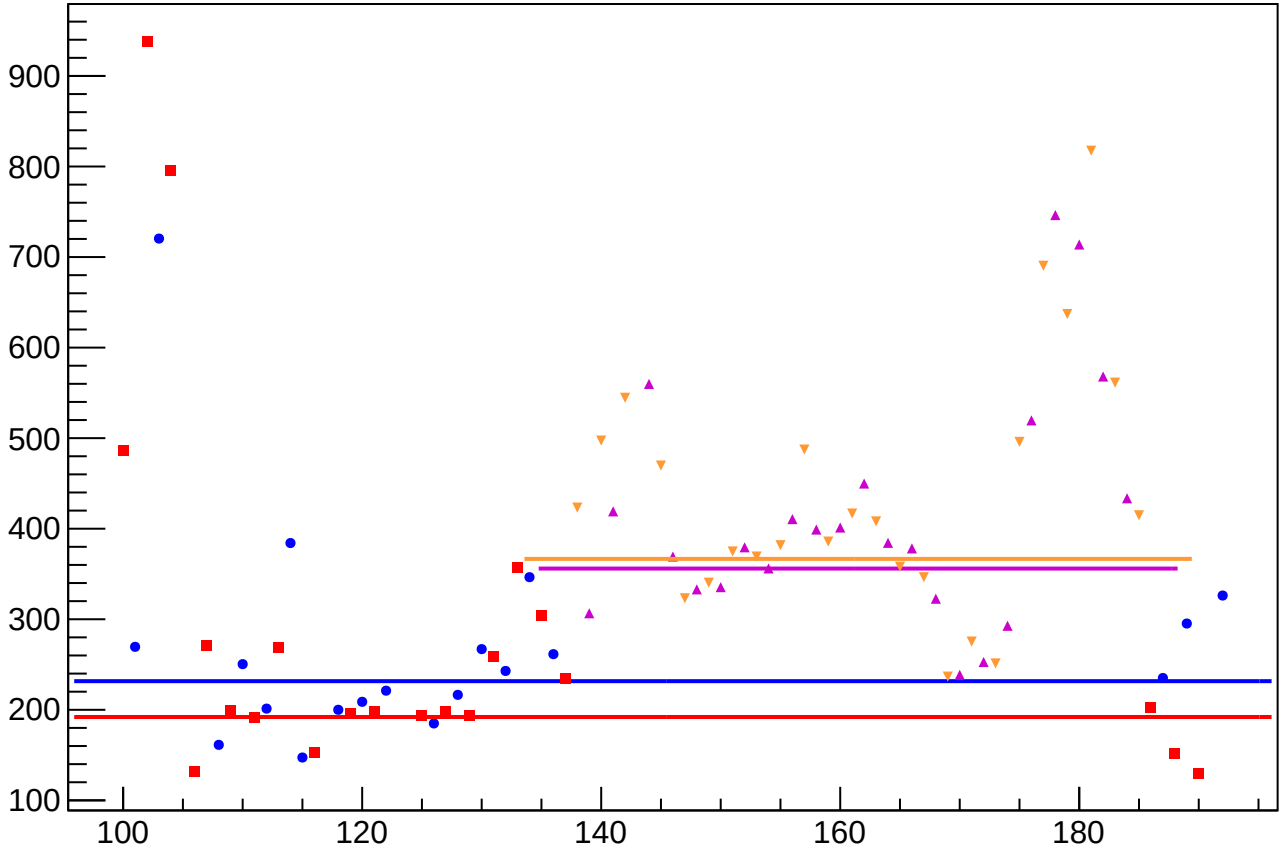
Right: -0.059+/-0.055 χ^2/NDF: 52.3/39

In: -0.082+/-0.060 χ^2/NDF:49.0/41

Out: -0.041+/-0.056 χ^2/NDF:64.5/44

All: -0.060+/-0.041 χ^2/NDF: 113.7/86

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: 192.059+/-0.051 χ^2/NDF: 1877824.5/20

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

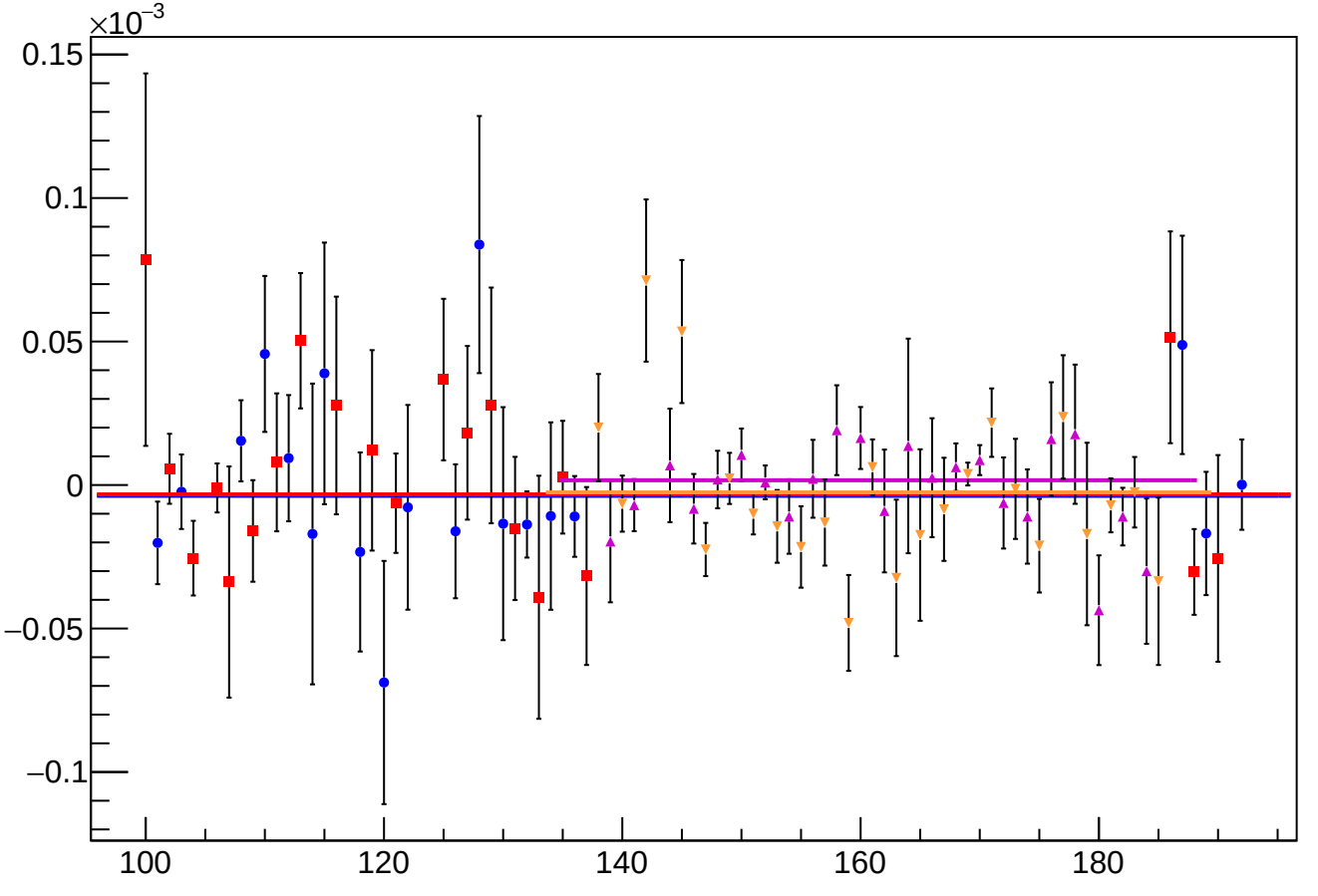
Right: 209.011+/-0.039 χ^2/NDF: 3371721.2/39

In: 290.550+/-0.043 χ^2/NDF:5769666.4/41

Out: 259.901+/-0.040 χ^2/NDF:9275802.5/44

All: 274.170+/-0.029 χ^2/NDF: 15320582.5/86

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/20

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

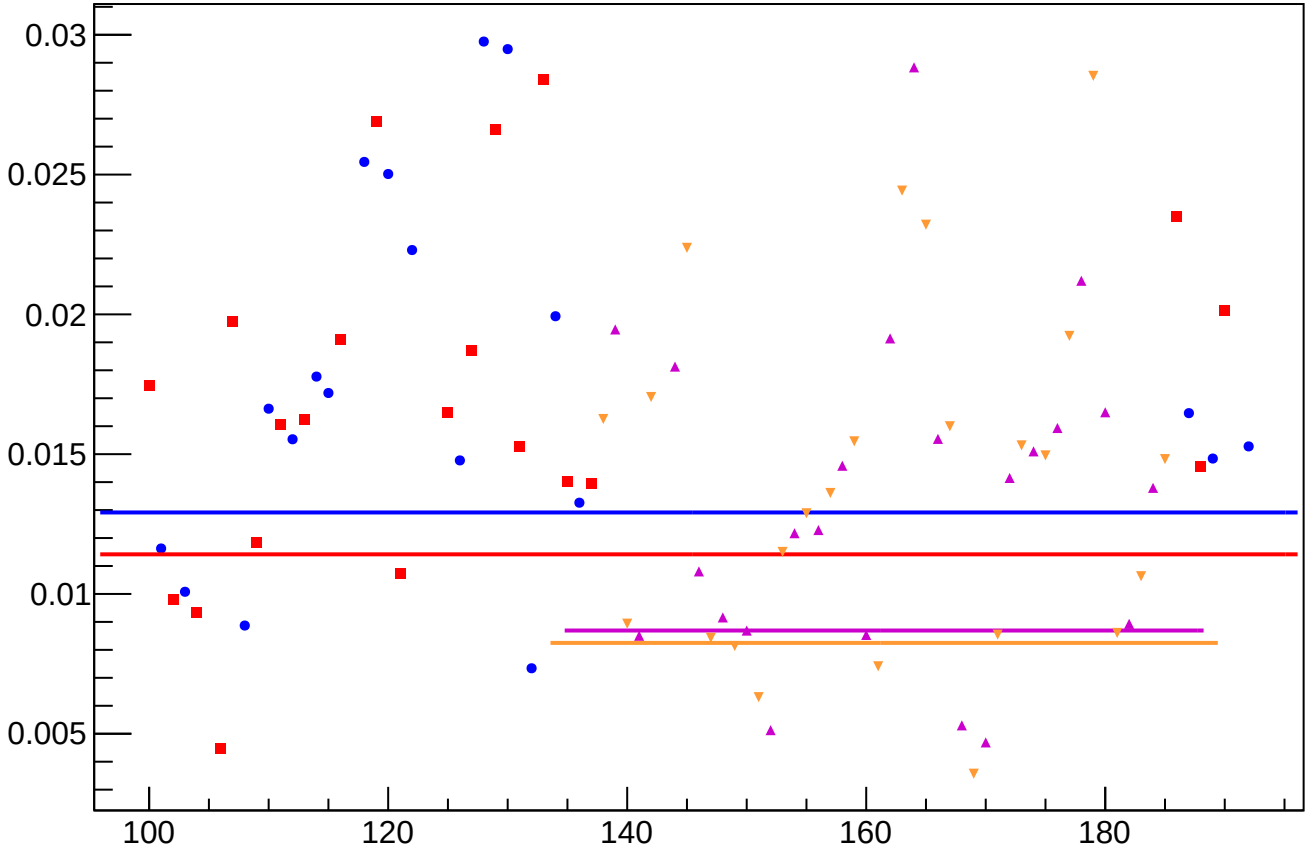
Right: -0.000+/-0.000 χ^2/NDF: 41.3/39

In: 0.000+/-0.000 χ^2/NDF:39.8/41

Out: -0.000+/-0.000 χ^2/NDF:66.8/44

All: -0.000+/-0.000 χ^2/NDF: 107.9/86

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: 0.011+/-0.000 χ^2/NDF: 3445108.2/20

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

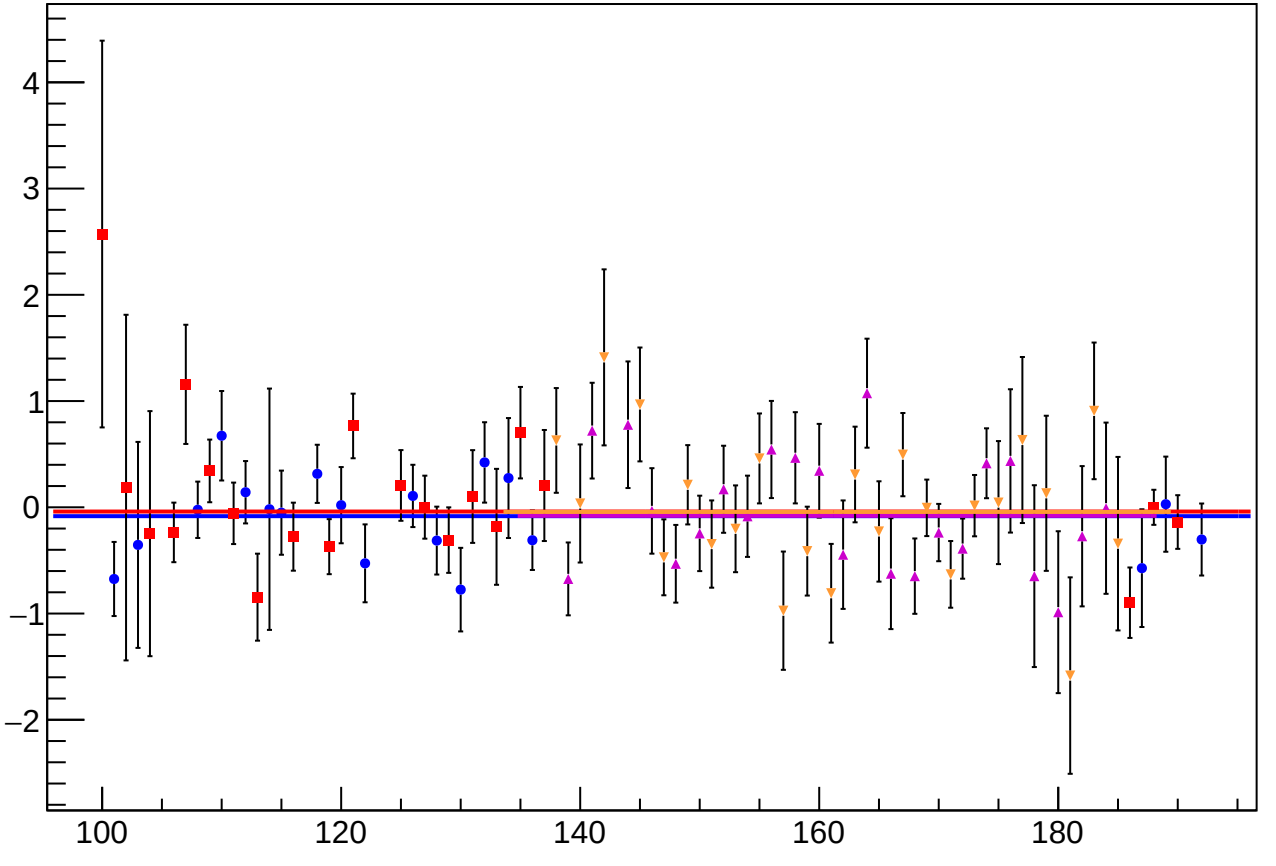
Right: 0.012+/-0.000 χ^2/NDF: 5762665.1/39

In: 0.010+/-0.000 χ^2/NDF:10379922.2/41

Out: 0.009+/-0.000 χ^2/NDF:13167356.3/44

All: 0.009+/-0.000 χ^2/NDF: 23635330.2/86

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: -0.040+/-0.072 χ^2/NDF: 33.5/20

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

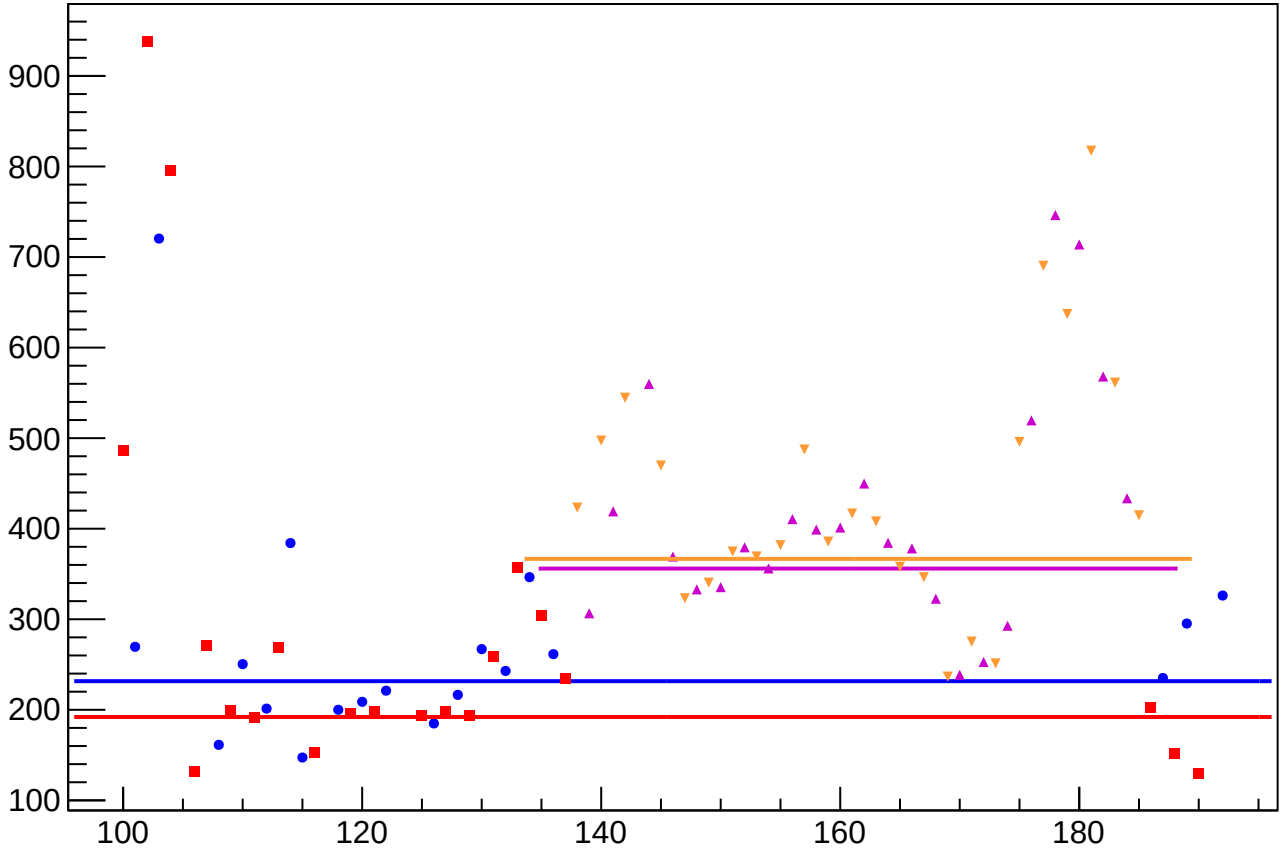
Right: -0.059+/-0.055 χ^2/NDF: 52.3/39

In: -0.082+/-0.060 χ^2/NDF:49.0/41

Out: -0.041+/-0.056 χ^2/NDF:64.5/44

All: -0.060+/-0.041 χ^2/NDF: 113.7/86

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: 192.056+/-0.051 χ^2/NDF: 1877814.6/20

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

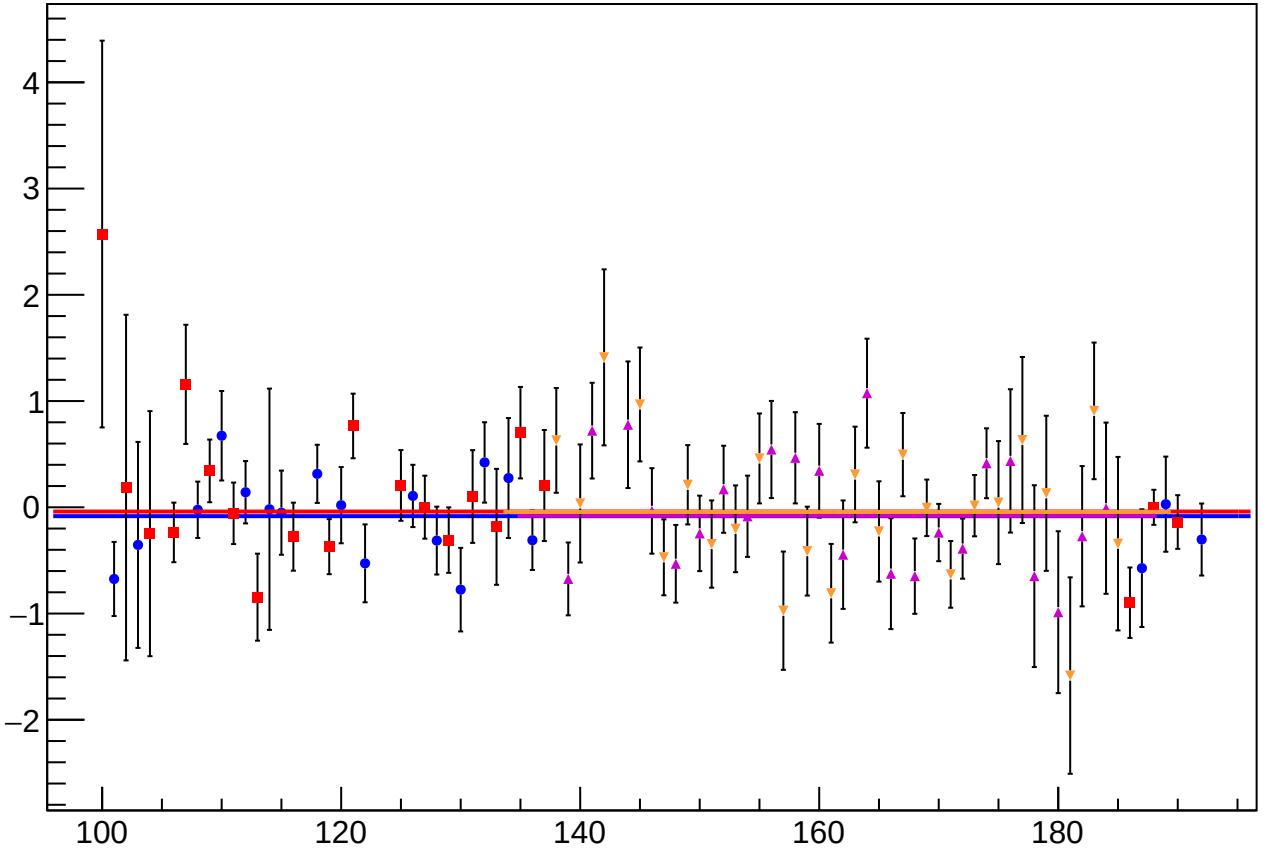
Right: 209.008+/-0.039 χ^2/NDF: 3371730.7/39

In: 290.549+/-0.043 χ^2/NDF:5769917.2/41

Out: 259.898+/-0.040 χ^2/NDF:9276234.5/44

All: 274.167+/-0.029 χ^2/NDF: 15321314.6/86

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: -0.040+/-0.072 χ^2/NDF: 33.5/20

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

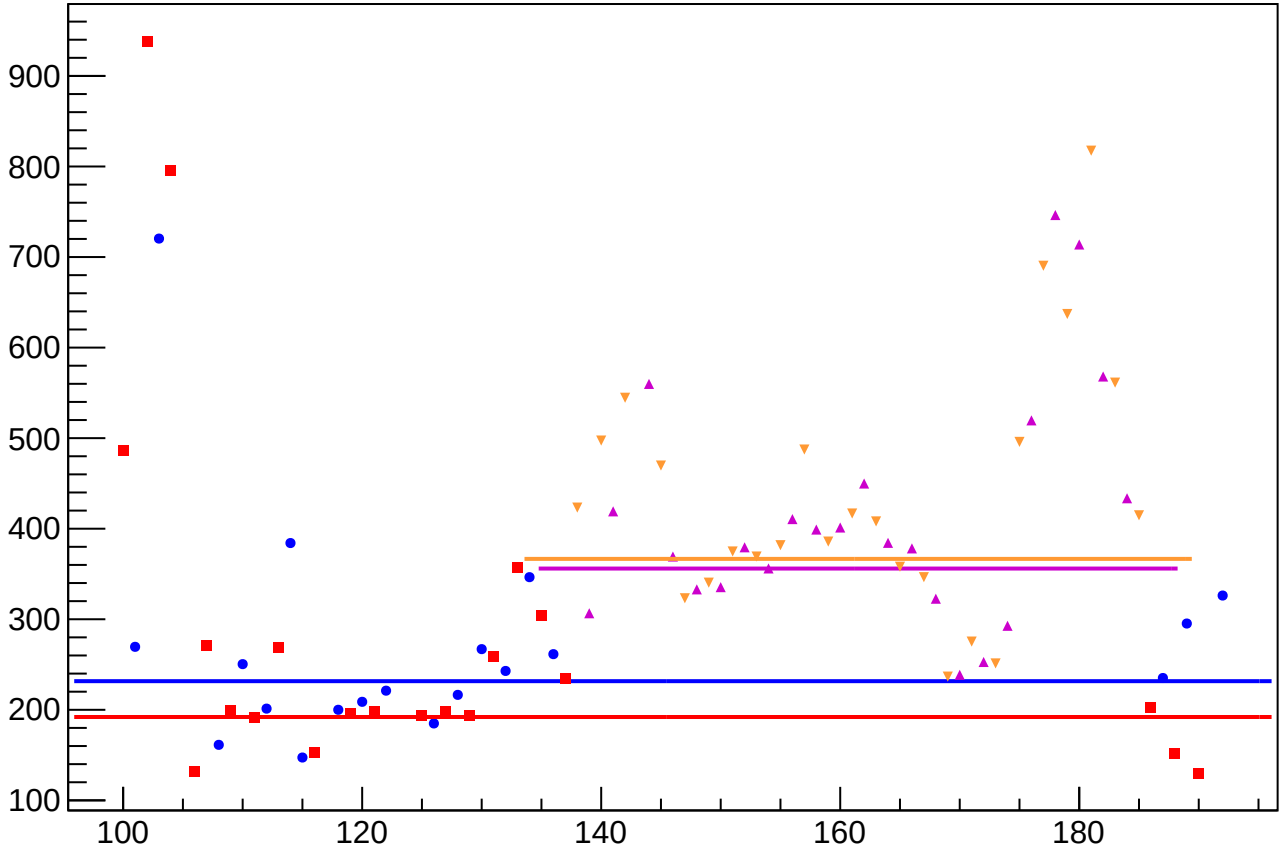
Right: -0.059+/-0.055 χ^2/NDF: 52.3/39

In: -0.082+/-0.060 χ^2/NDF:49.0/41

Out: -0.041+/-0.056 χ^2/NDF:64.5/44

All: -0.060+/-0.041 χ^2/NDF: 113.7/86

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: 192.056+/-0.051 χ^2/NDF: 1877814.6/20

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

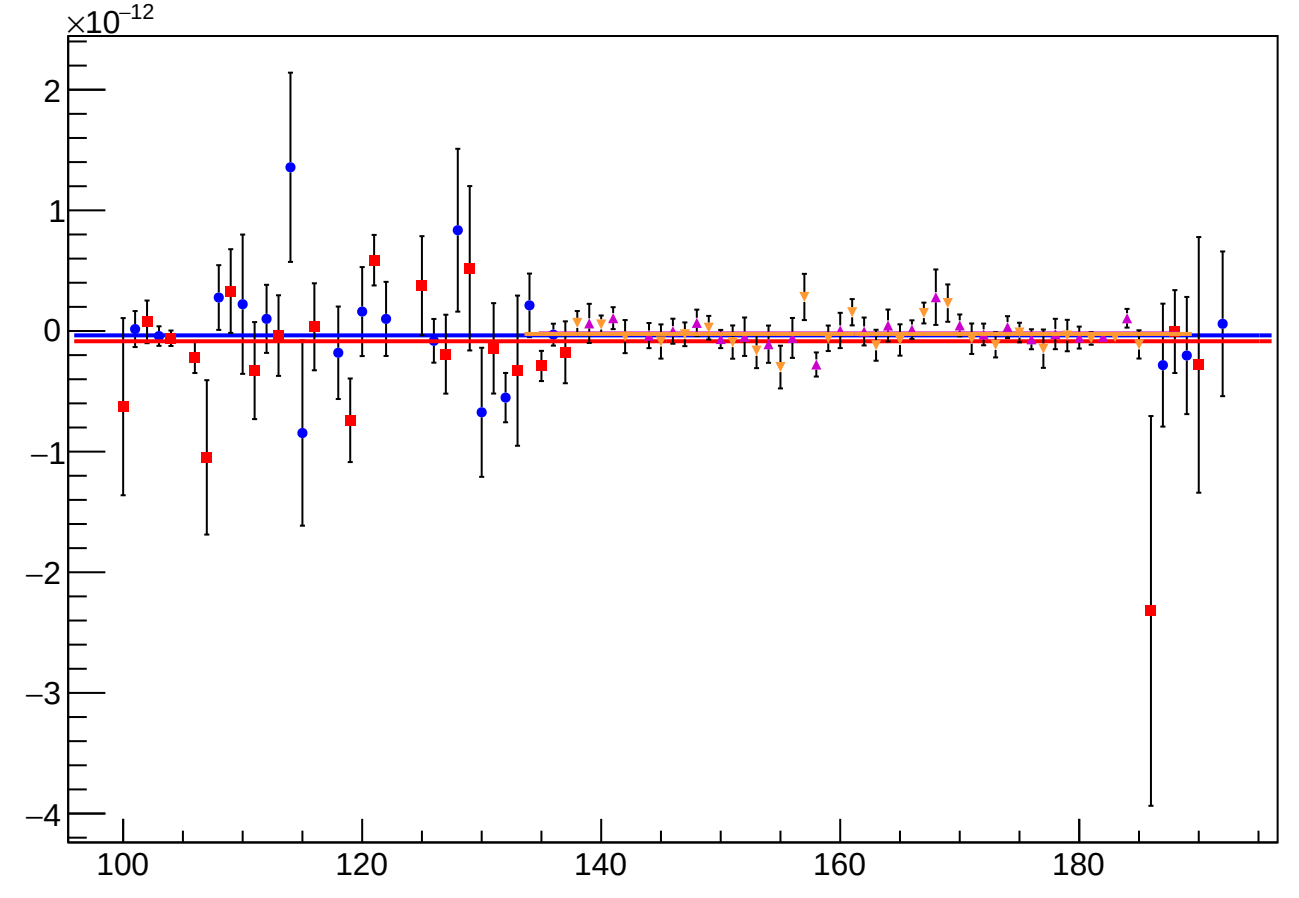
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

Right: 209.008+/-0.039 χ^2/NDF: 3371730.7/39

In: 290.549+/-0.043 χ^2/NDF:5769917.2/41

Out: 259.898+/-0.040 χ^2/NDF:9276234.5/44

All: 274.167+/-0.029 χ^2/NDF: 15321314.6/86



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: 27.8/20

Left In: -0.000+/-0.000 χ^2/NDF:17.2/22

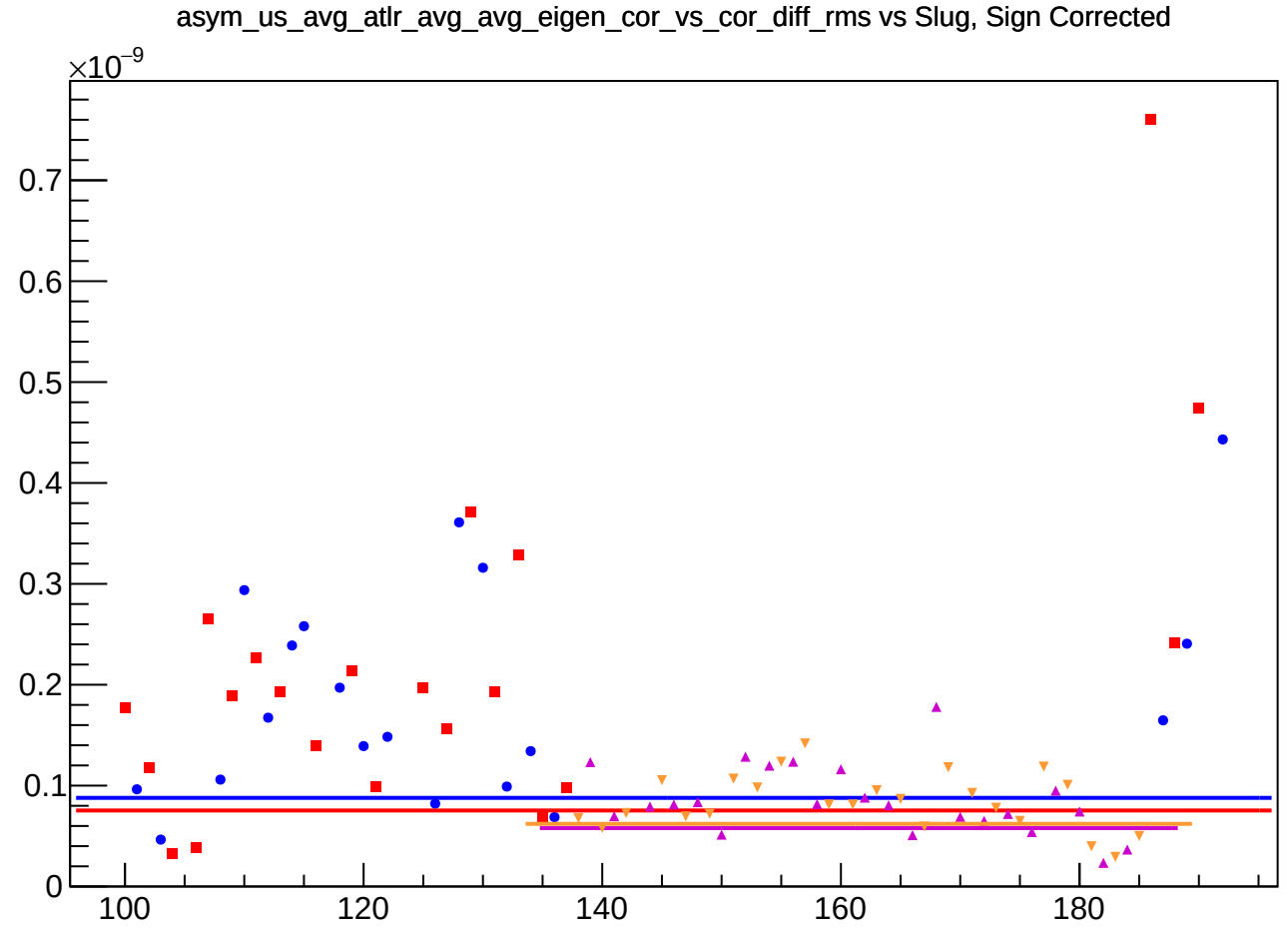
Left: -0.000+/-0.000 χ^2/NDF: 39.1/46

Right: -0.000+/-0.000 χ^2/NDF: 46.0/39

In: -0.000+/-0.000 χ^2/NDF:34.9/41

Out: -0.000+/-0.000 χ^2/NDF:51.3/44

All: -0.000+/-0.000 χ^2/NDF: 86.5/86



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: 4872523.8/20

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

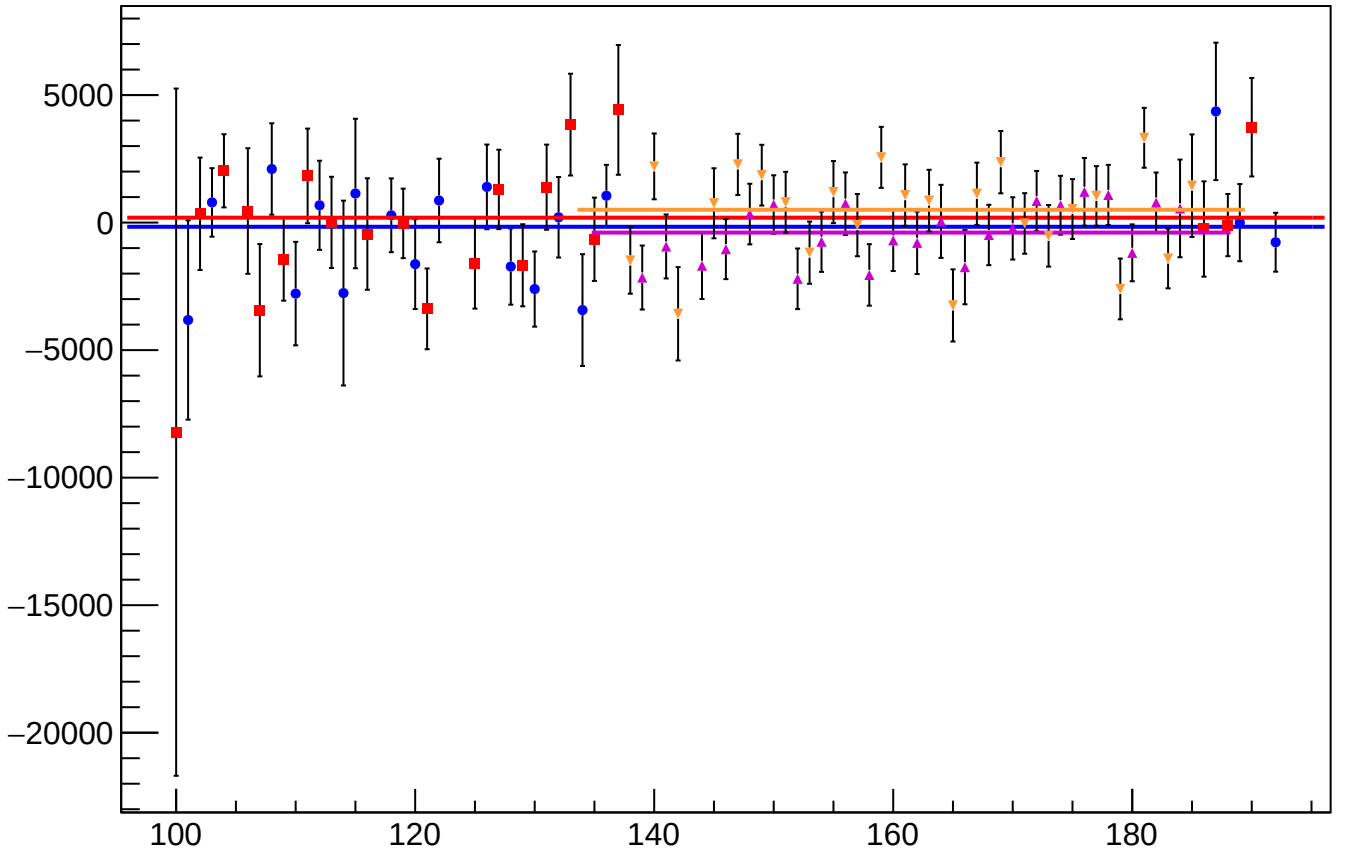
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 8146172.6/39

In: 0.000+/-0.000 χ^2/NDF:9428896.0/41

Out: 0.000+/-0.000 χ^2/NDF:9125301.6/44

All: 0.000+/-0.000 χ^2/NDF: 18572286.6/86



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: 192.482+/-388.789 χ^2/NDF: 24.2/20

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

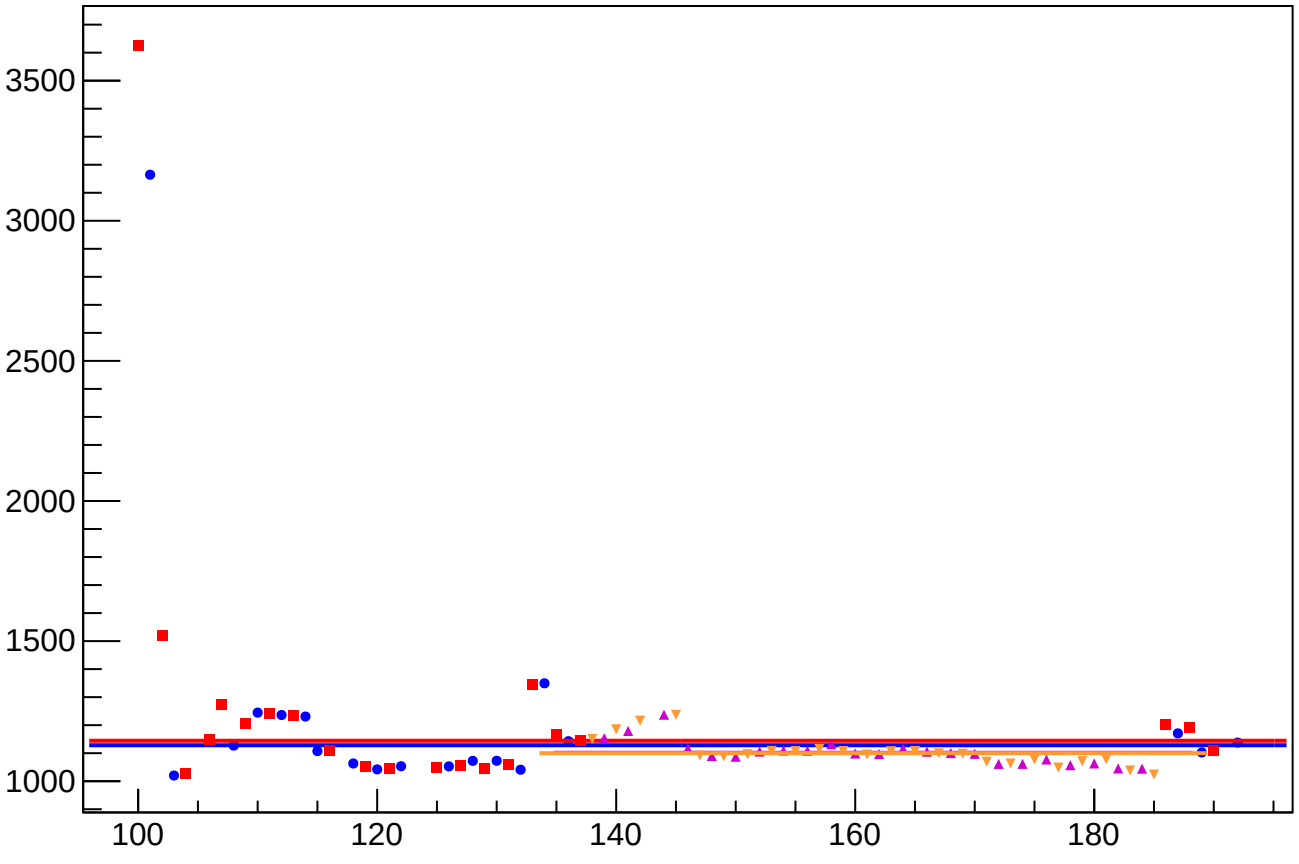
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: 12.330+/-273.488 χ^2/NDF: 42.5/39

In: -321.353+/-213.936 χ^2/NDF:36.0/41

Out: 409.751+/-213.538 χ^2/NDF:69.2/44

All: 44.880+/-151.135 χ^2/NDF: 111.0/86



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: 1144.464+/-0.275 χ^2/NDF: 226321.5/20

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

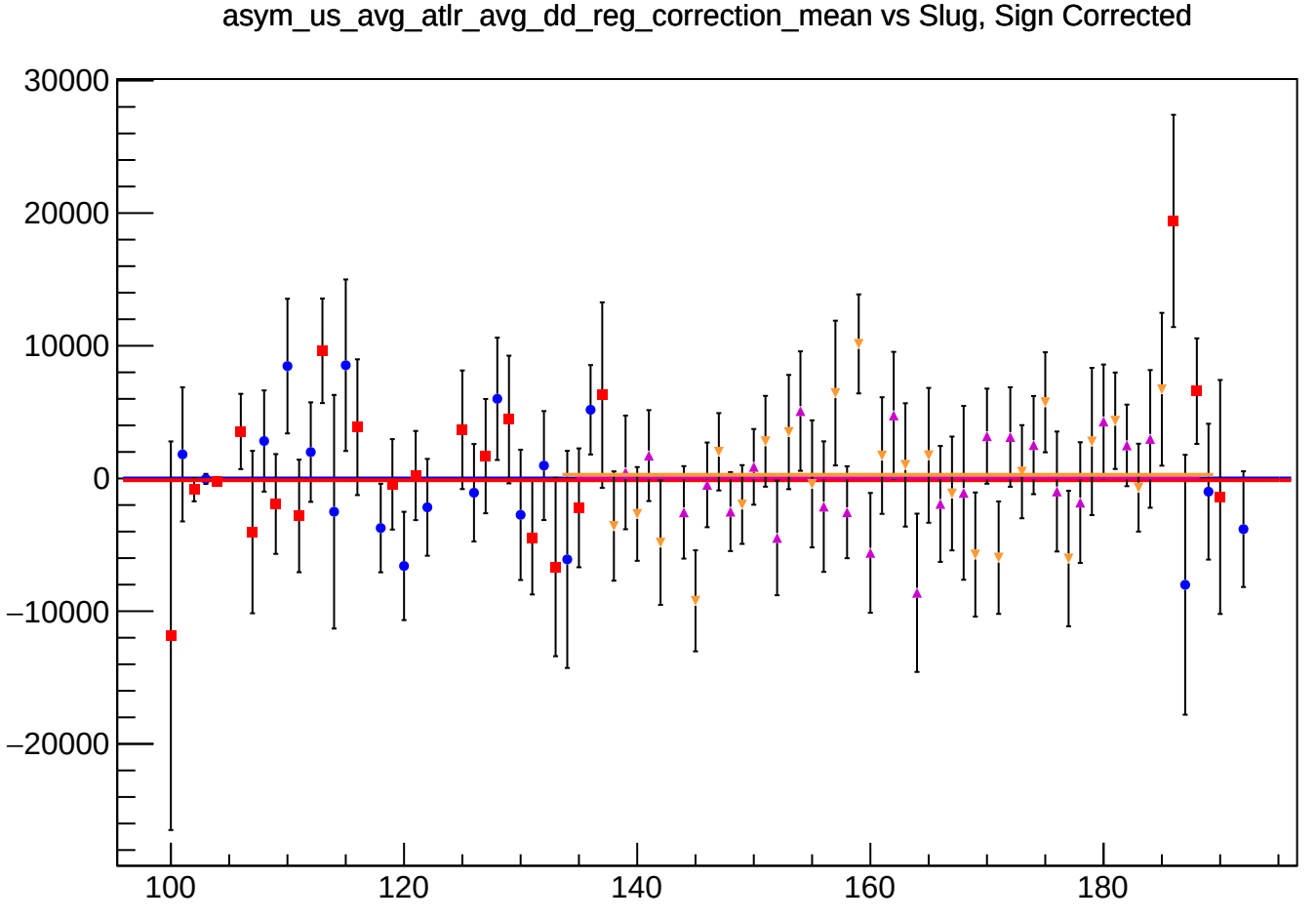
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1136.323+/-0.193 χ^2/NDF: 850673.5/39

In: 1109.813+/-0.151 χ^2/NDF:681455.7/41

Out: 1113.485+/-0.151 χ^2/NDF:303308.8/44

All: 1111.653+/-0.107 χ^2/NDF: 985059.8/86



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: -127.421+/-321.017 χ^2/NDF: 24.5/20

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

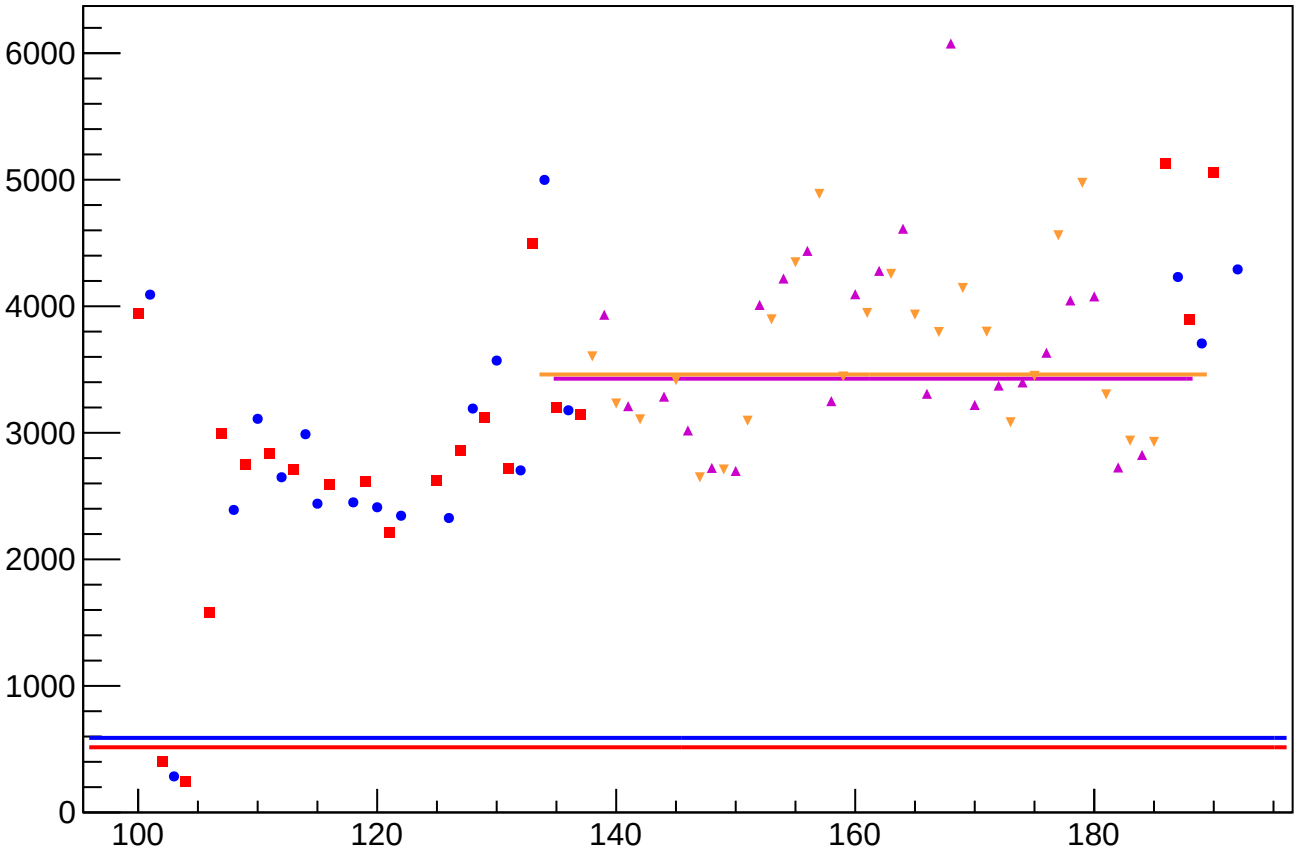
Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

Right: -71.459+/-238.212 χ^2/NDF: 40.9/39

In: 12.639+/-325.882 χ^2/NDF:30.0/41

Out: -73.666+/-298.951 χ^2/NDF:54.6/44

All: -34.227+/-220.297 χ^2/NDF: 84.6/86



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: 515.061+/-0.227 χ^2/NDF: 11852610.6/20

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

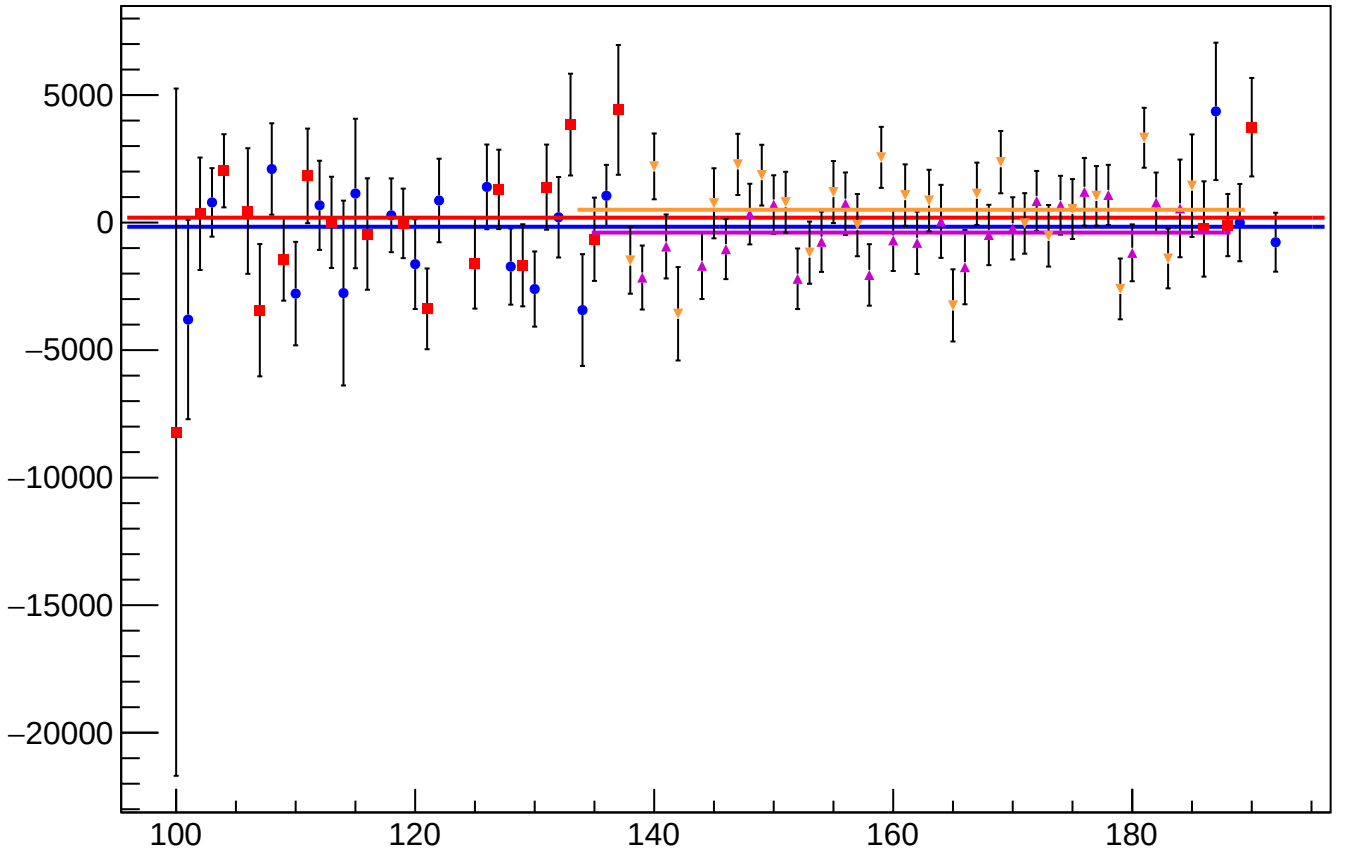
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 548.430+/-0.168 χ^2/NDF: 24075393.6/39

In: 1040.694+/-0.230 χ^2/NDF:33709902.9/41

Out: 906.174+/-0.211 χ^2/NDF:35274744.9/44

All: 967.647+/-0.156 χ^2/NDF: 69169700.6/86



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: 192.603+/-388.789 χ^2/NDF: 24.2/20

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

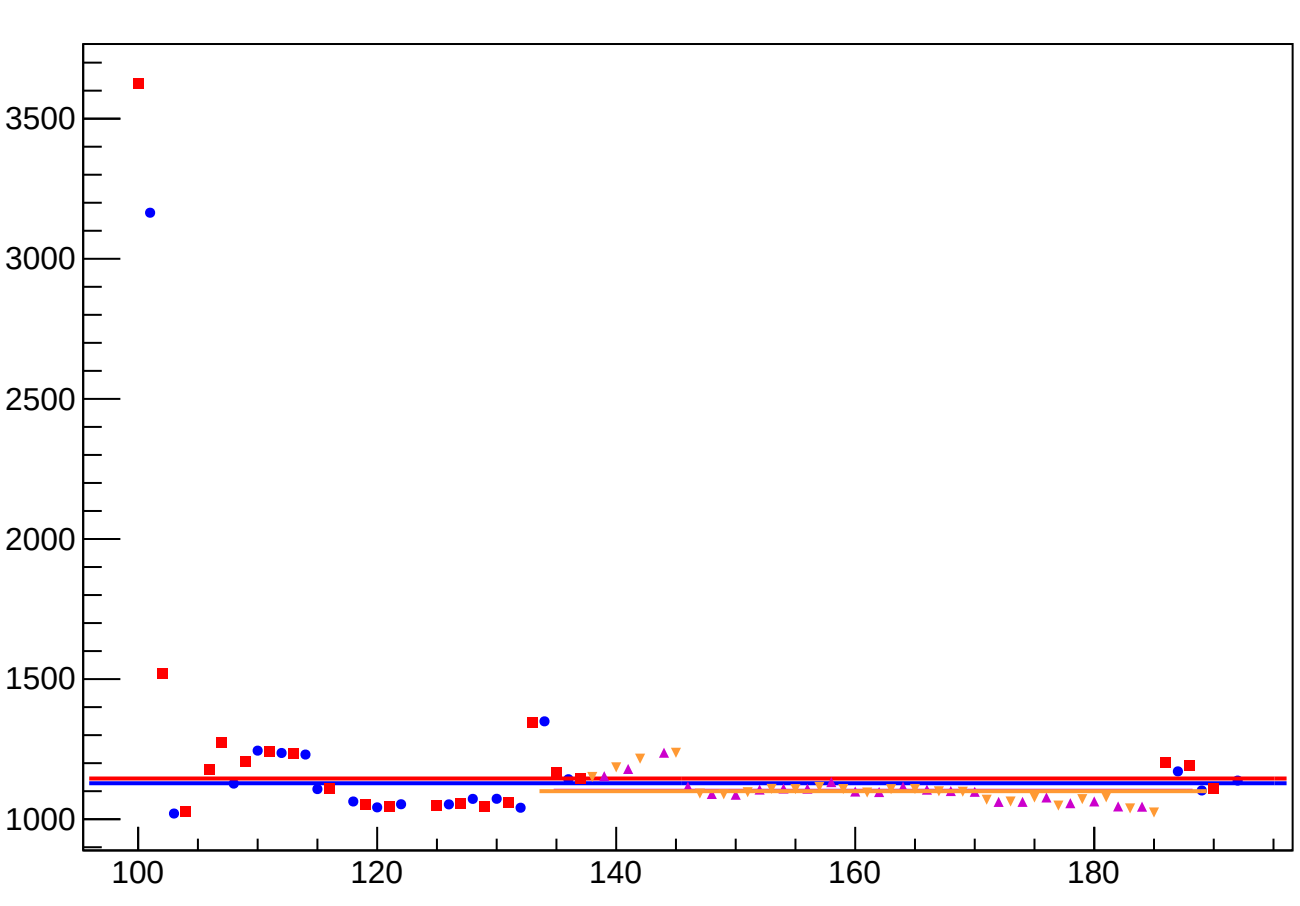
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 12.473+/-273.488 χ^2/NDF: 42.5/39

In: -321.293+/-213.936 χ^2/NDF:35.9/41

Out: 409.839+/-213.538 χ^2/NDF:69.2/44

All: 44.954+/-151.135 χ^2/NDF: 111.0/86



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: 1145.260+/-0.275 χ^2/NDF: 226706.3/20

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

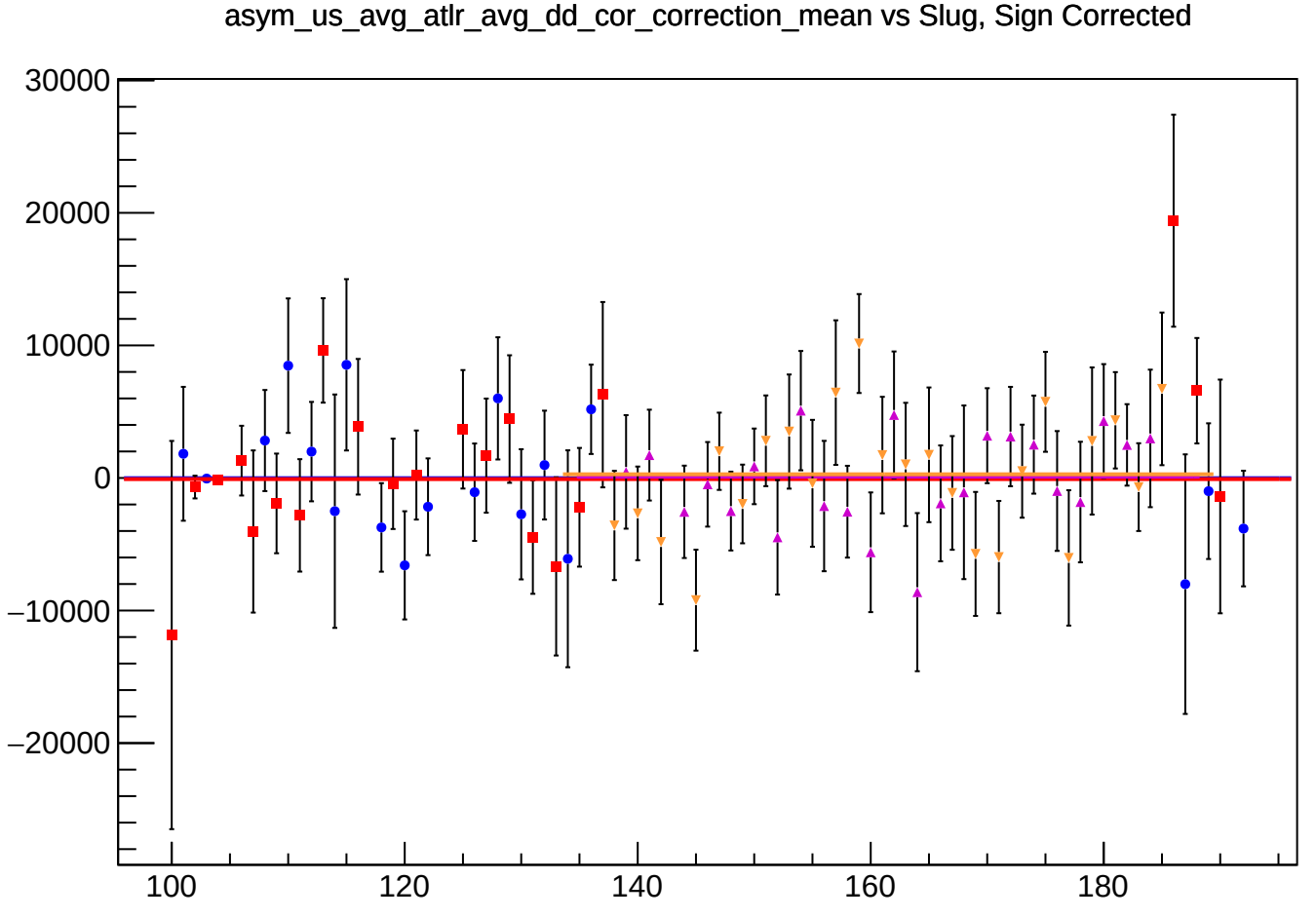
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1136.709+/-0.193 χ^2/NDF: 851233.8/39

In: 1109.813+/-0.151 χ^2/NDF:681456.7/41

Out: 1113.706+/-0.151 χ^2/NDF:304326.9/44

All: 1111.764+/-0.107 χ^2/NDF: 986115.5/86



Right In: -16.410+/-342.475 χ^2/NDF: 16.3/18

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -84.768+/-315.911 χ^2/NDF: 22.8/20

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

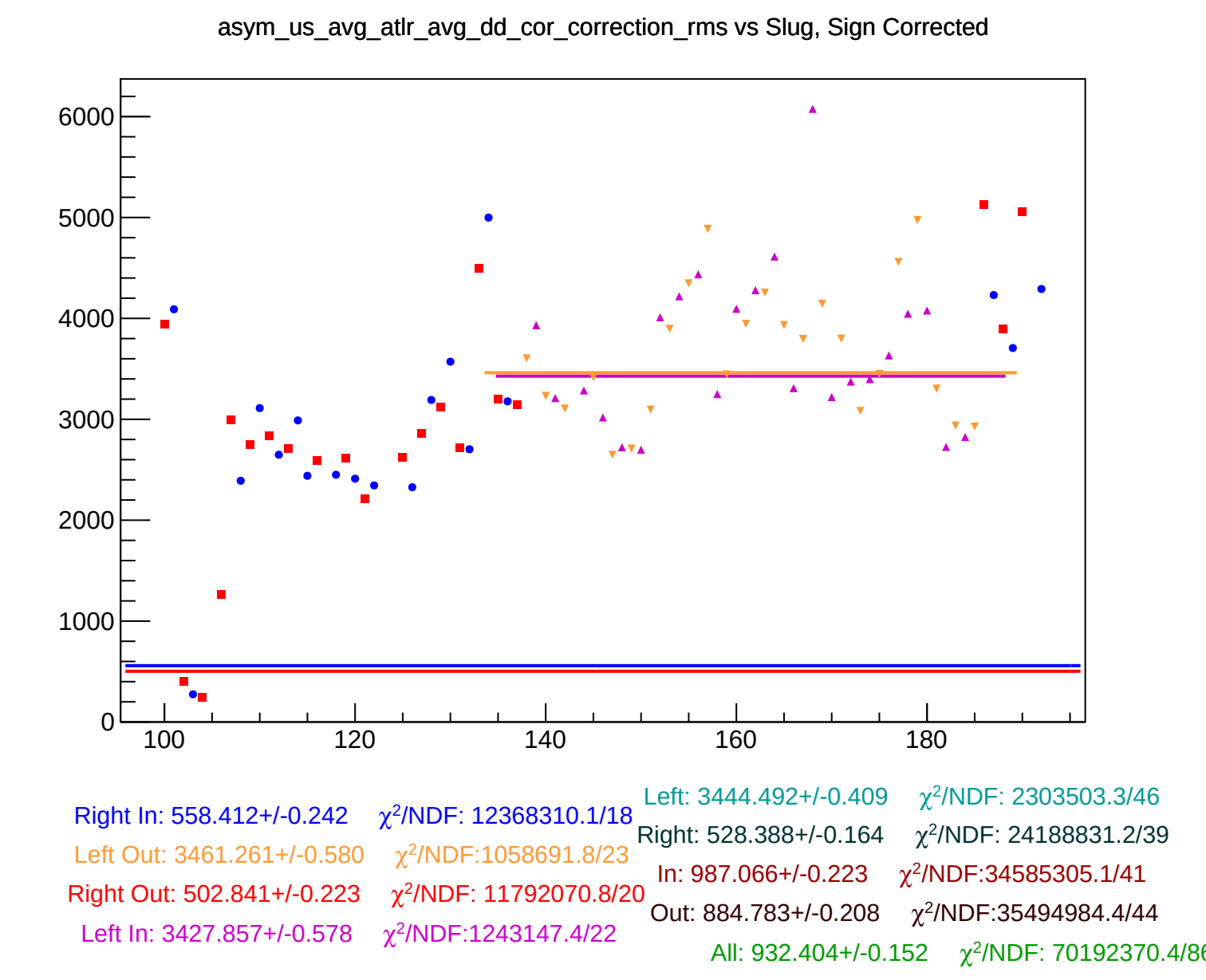
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

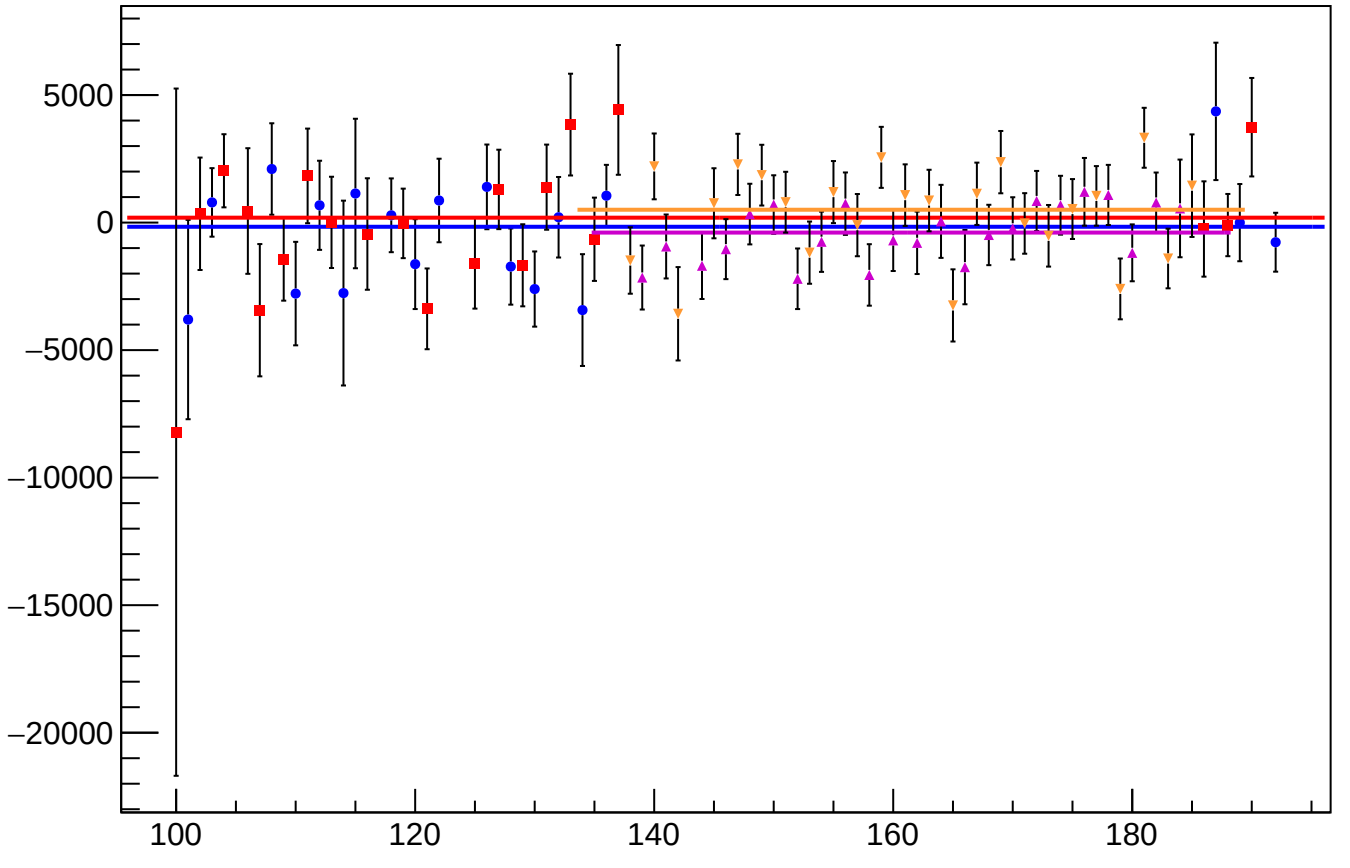
Right: -53.342+/-232.207 χ^2/NDF: 39.2/39

In: 0.195+/-315.860 χ^2/NDF:30.0/41

Out: -37.994+/-294.814 χ^2/NDF:52.9/44

All: -20.214+/-215.522 χ^2/NDF: 82.9/86


asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
Right In: 558.412+/-0.242 χ²/NDF: 12368310.1/18
Left Out: 3461.261+/-0.580 χ²/NDF:1058691.8/23
Right Out: 502.841+/-0.223 χ²/NDF: 11792070.8/20
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
Left: 3444.492+/-0.409 χ²/NDF: 2303503.3/46
Right: 528.388+/-0.164 χ²/NDF: 24188831.2/39
In: 987.066+/-0.223 χ²/NDF:34585305.1/41
Out: 884.783+/-0.208 χ²/NDF:35494984.4/44
All: 932.404+/-0.152 χ²/NDF: 70192370.4/86



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: 192.603+/-388.789 χ^2/NDF: 24.2/20

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

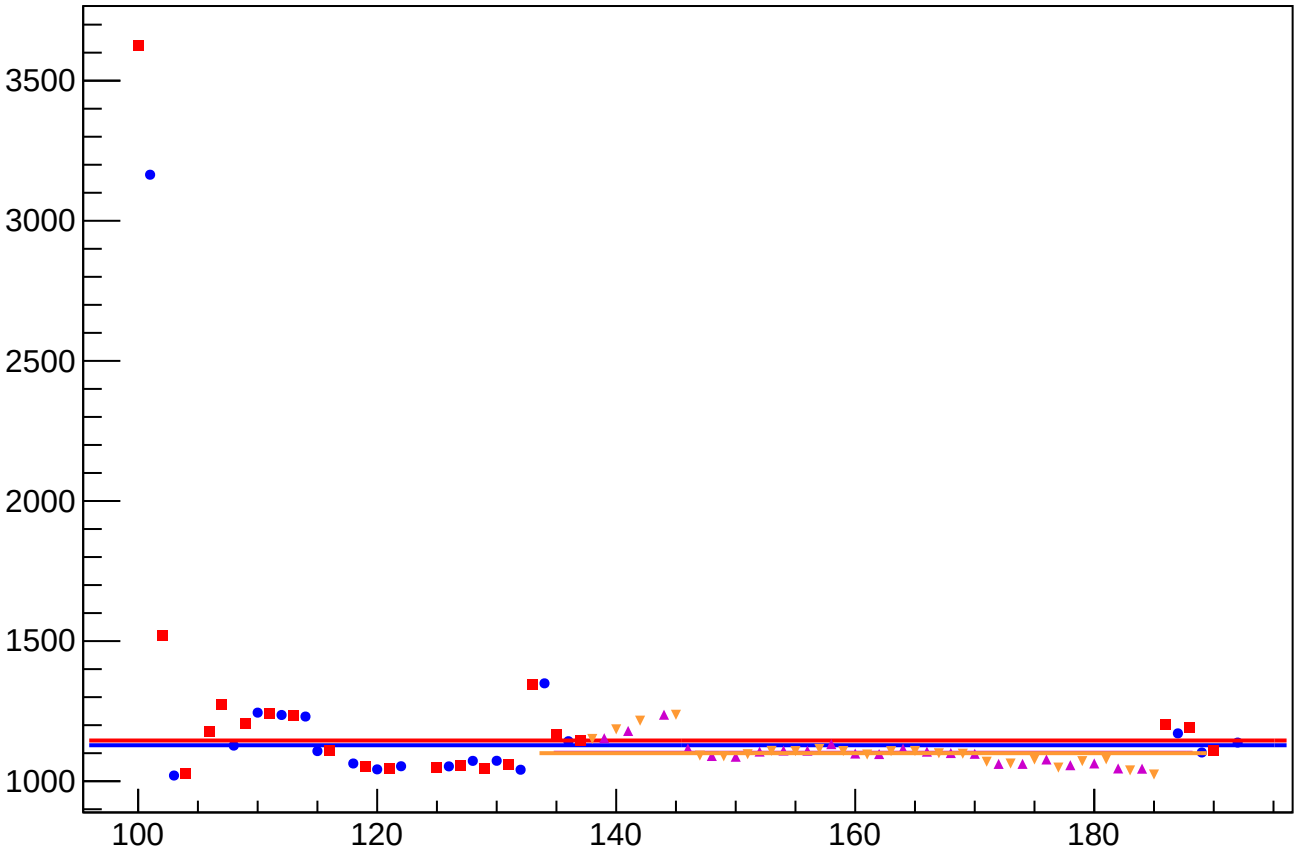
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 12.473+/-273.488 χ^2/NDF: 42.5/39

In: -321.293+/-213.936 χ^2/NDF:35.9/41

Out: 409.839+/-213.538 χ^2/NDF:69.2/44

All: 44.954+/-151.135 χ^2/NDF: 111.0/86



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: 1145.260+/-0.275 χ^2/NDF: 226706.3/20

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

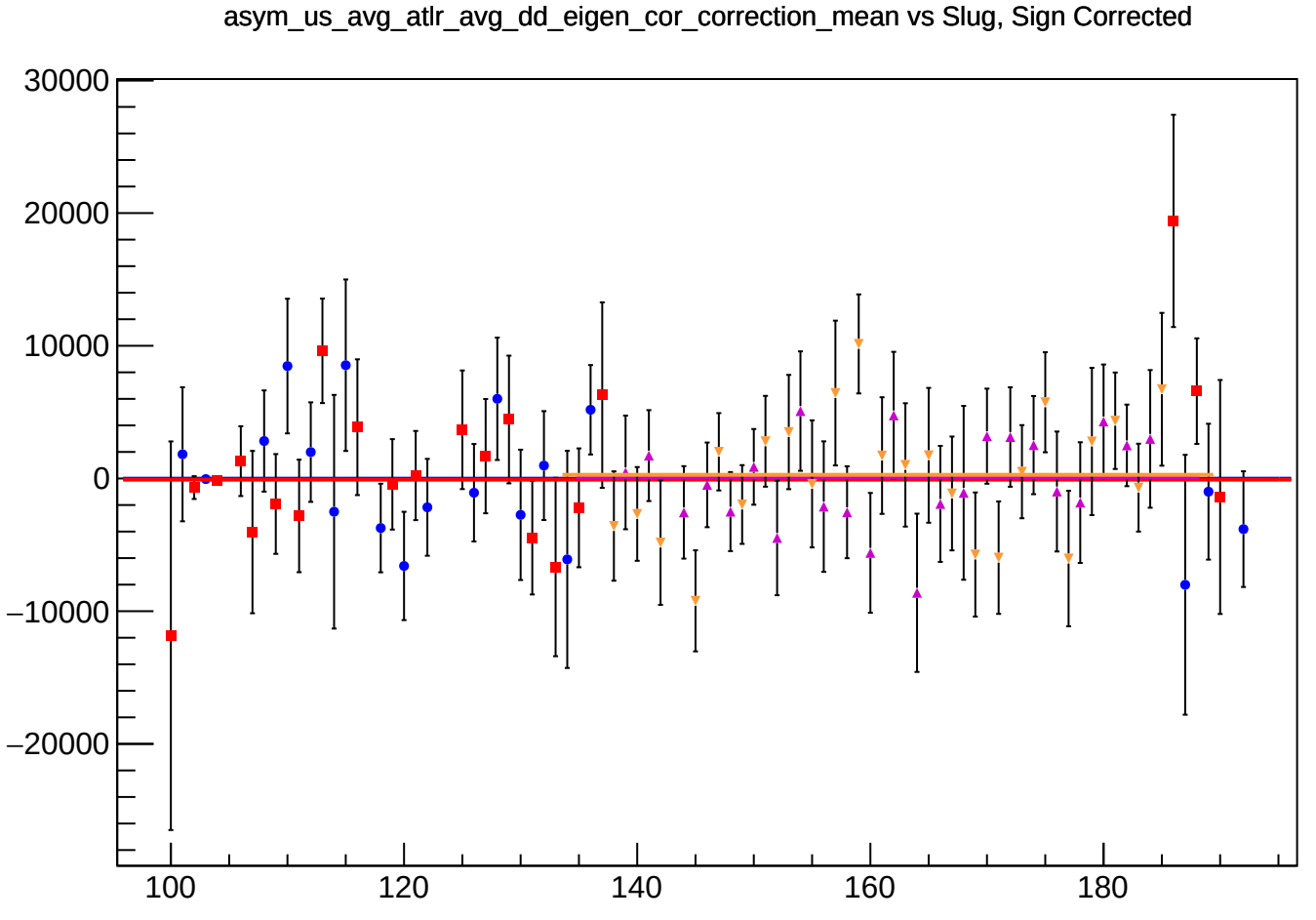
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1136.709+/-0.193 χ^2/NDF: 851233.8/39

In: 1109.813+/-0.151 χ^2/NDF:681456.7/41

Out: 1113.706+/-0.151 χ^2/NDF:304326.9/44

All: 1111.764+/-0.107 χ^2/NDF: 986115.5/86



Right In: -16.410+/-342.475 χ^2/NDF: 16.3/18

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -84.768+/-315.911 χ^2/NDF: 22.8/20

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

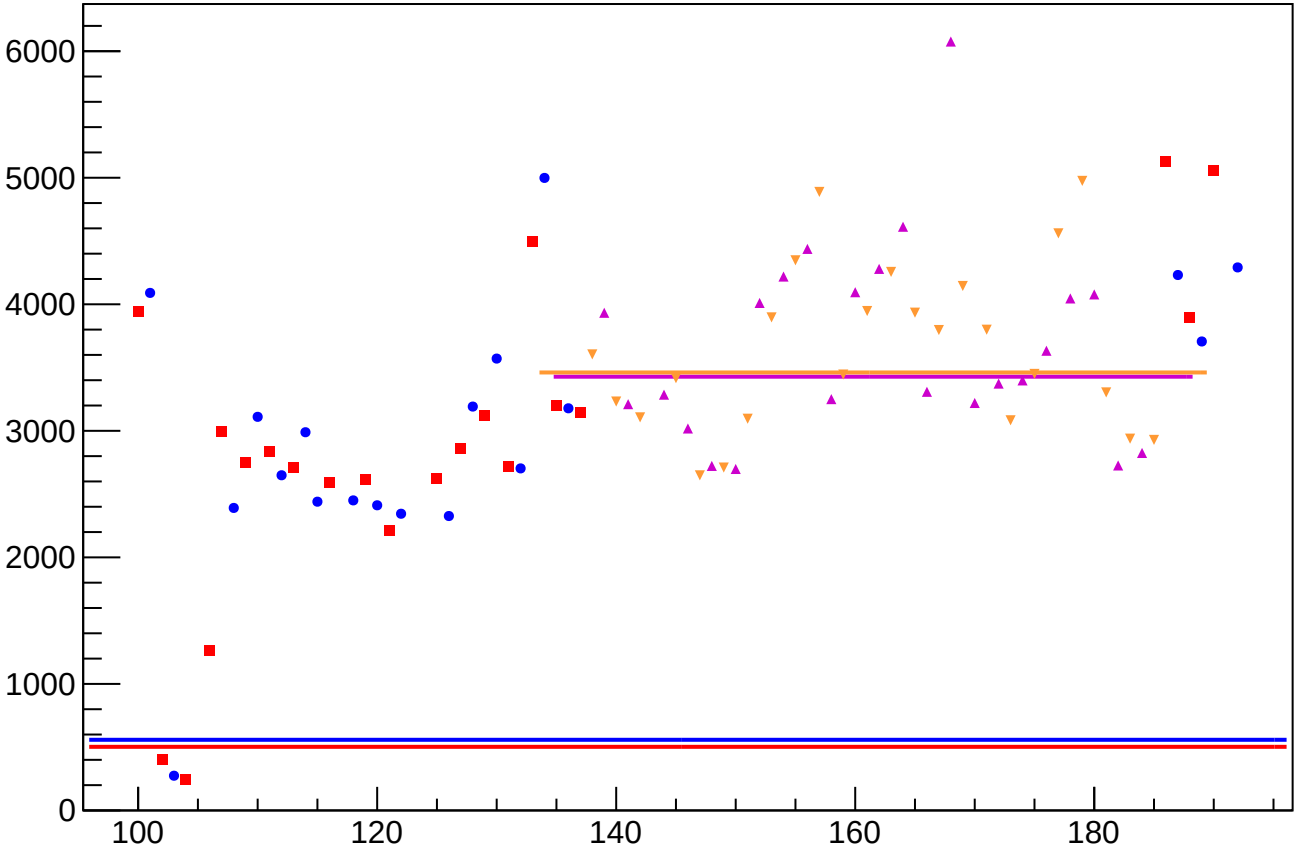
Right: -53.342+/-232.207 χ^2/NDF: 39.2/39

In: 0.195+/-315.860 χ^2/NDF:30.0/41

Out: -37.994+/-294.814 χ^2/NDF:52.9/44

All: -20.214+/-215.522 χ^2/NDF: 82.9/86

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: 502.841+/-0.223 χ^2/NDF: 11792070.8/20

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

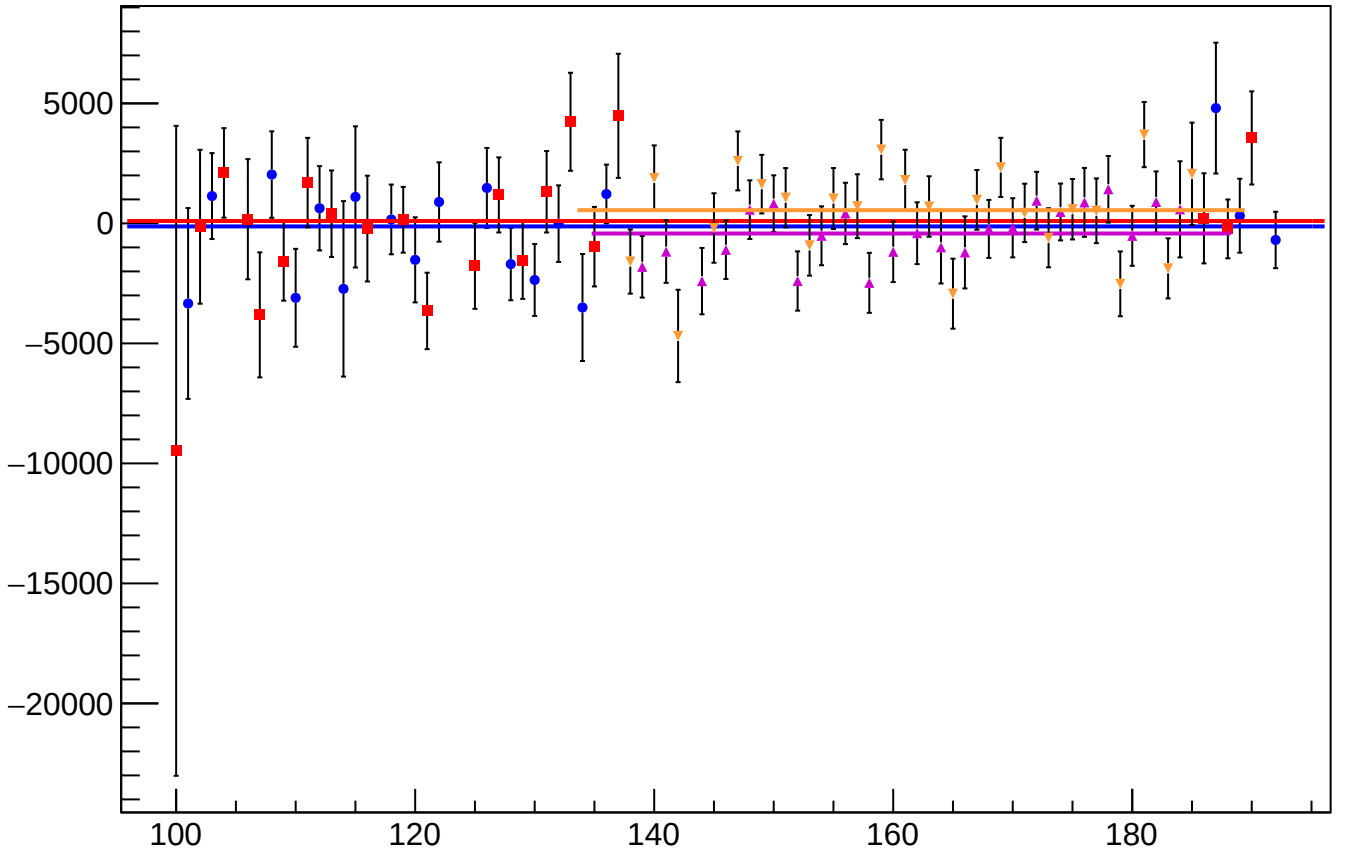
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 528.388+/-0.164 χ^2/NDF: 24188831.2/39

In: 987.066+/-0.223 χ^2/NDF:34585305.1/41

Out: 884.783+/-0.208 χ^2/NDF:35494984.4/44

All: 932.404+/-0.152 χ^2/NDF: 70192370.4/86



Right In: -126.212+/-395.808 χ^2/NDF: 18.0/18

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 100.617+/-401.103 χ^2/NDF: 25.0/20

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

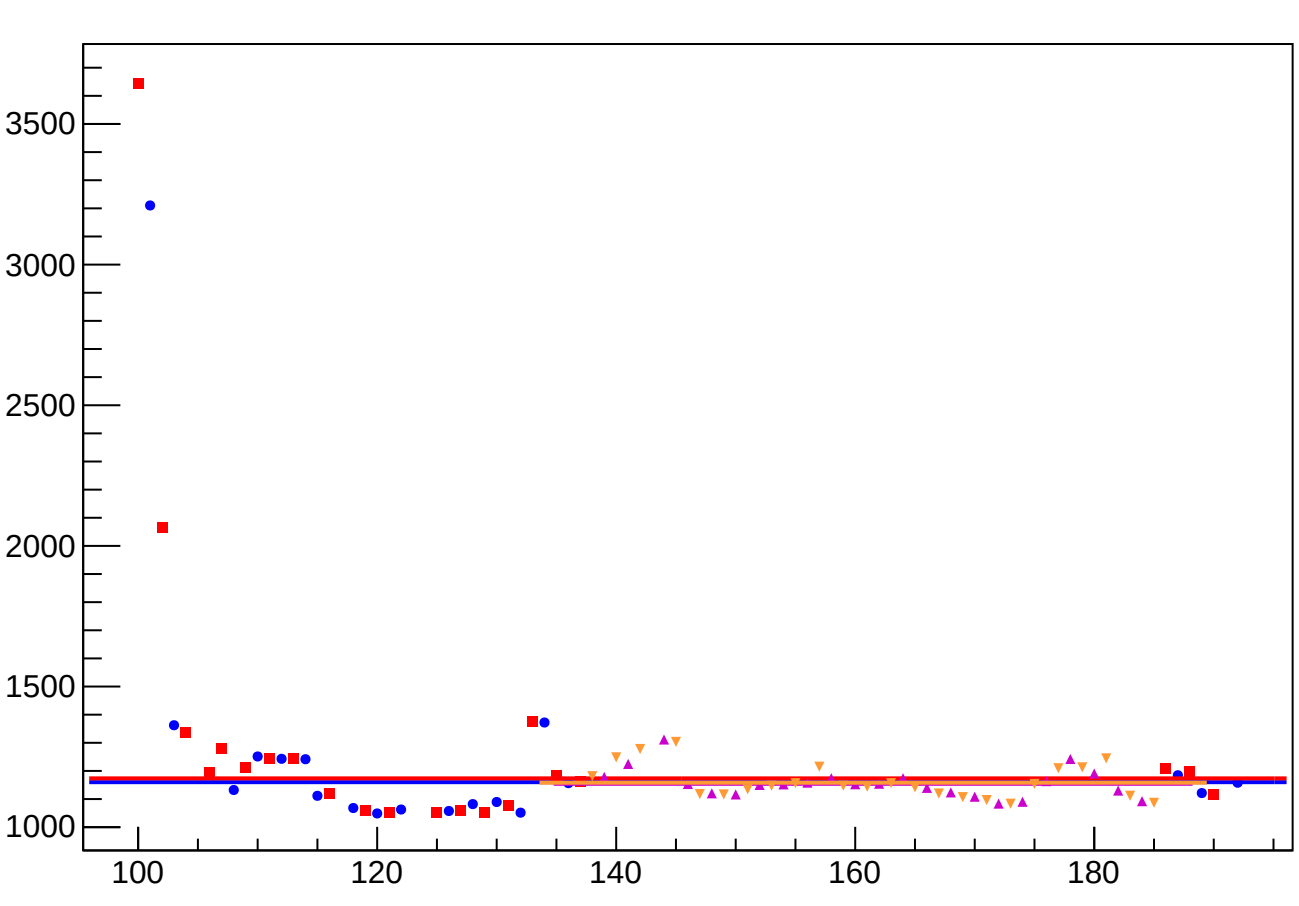
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: -14.305+/-281.732 χ^2/NDF: 43.1/39

In: -327.491+/-222.943 χ^2/NDF:36.3/41

Out: 410.893+/-223.528 χ^2/NDF:71.1/44

All: 40.734+/-157.851 χ^2/NDF: 112.9/86



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: 1173.564+/-0.284 χ^2/NDF: 334853.3/20

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

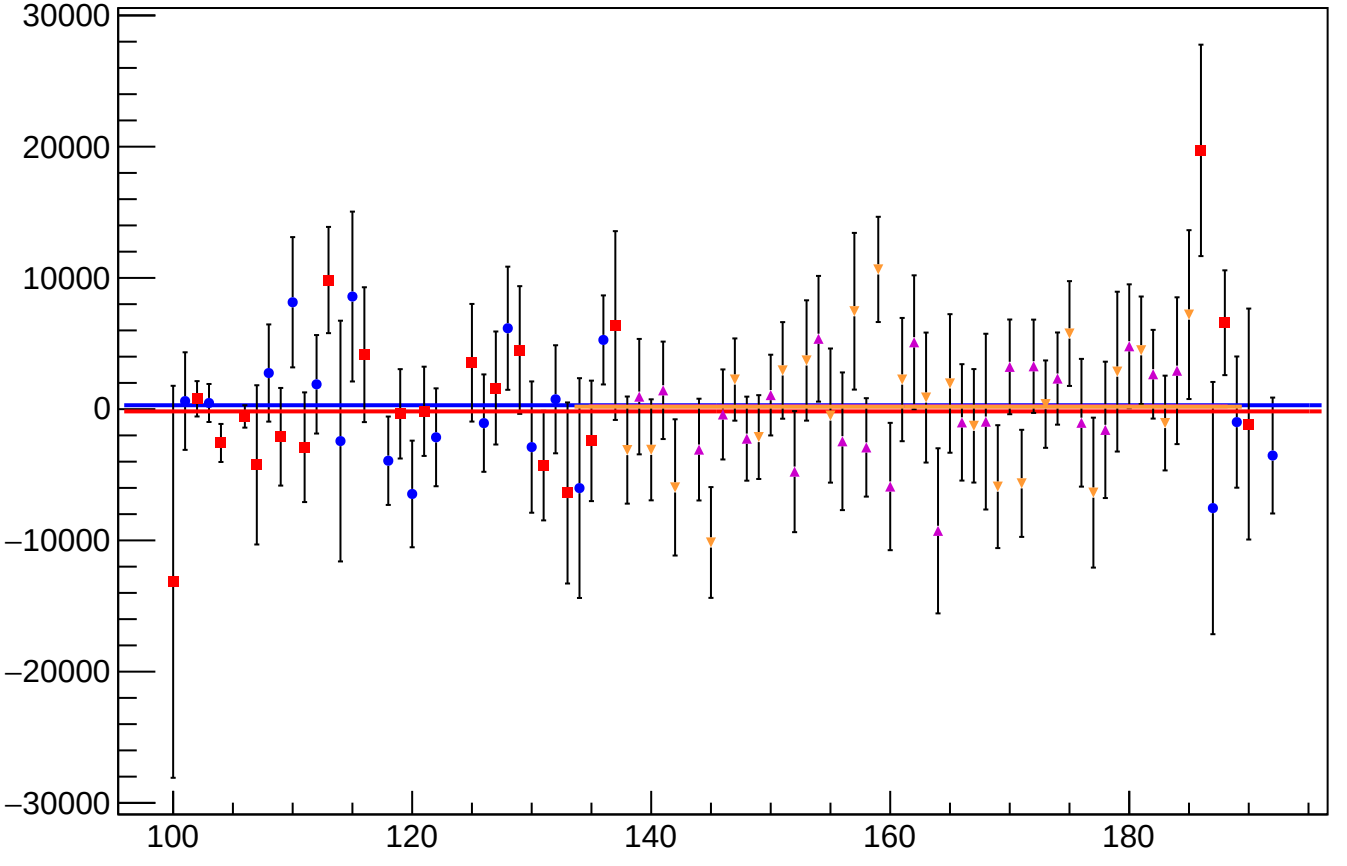
Right: 1166.707+/-0.199 χ^2/NDF: 972875.3/39

In: 1156.069+/-0.158 χ^2/NDF:703636.5/41

Out: 1162.958+/-0.158 χ^2/NDF:420995.4/44

All: 1159.505+/-0.112 χ^2/NDF: 1125584.4/86

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



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: -170.555+/-557.797 χ^2/NDF: 25.8/20

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

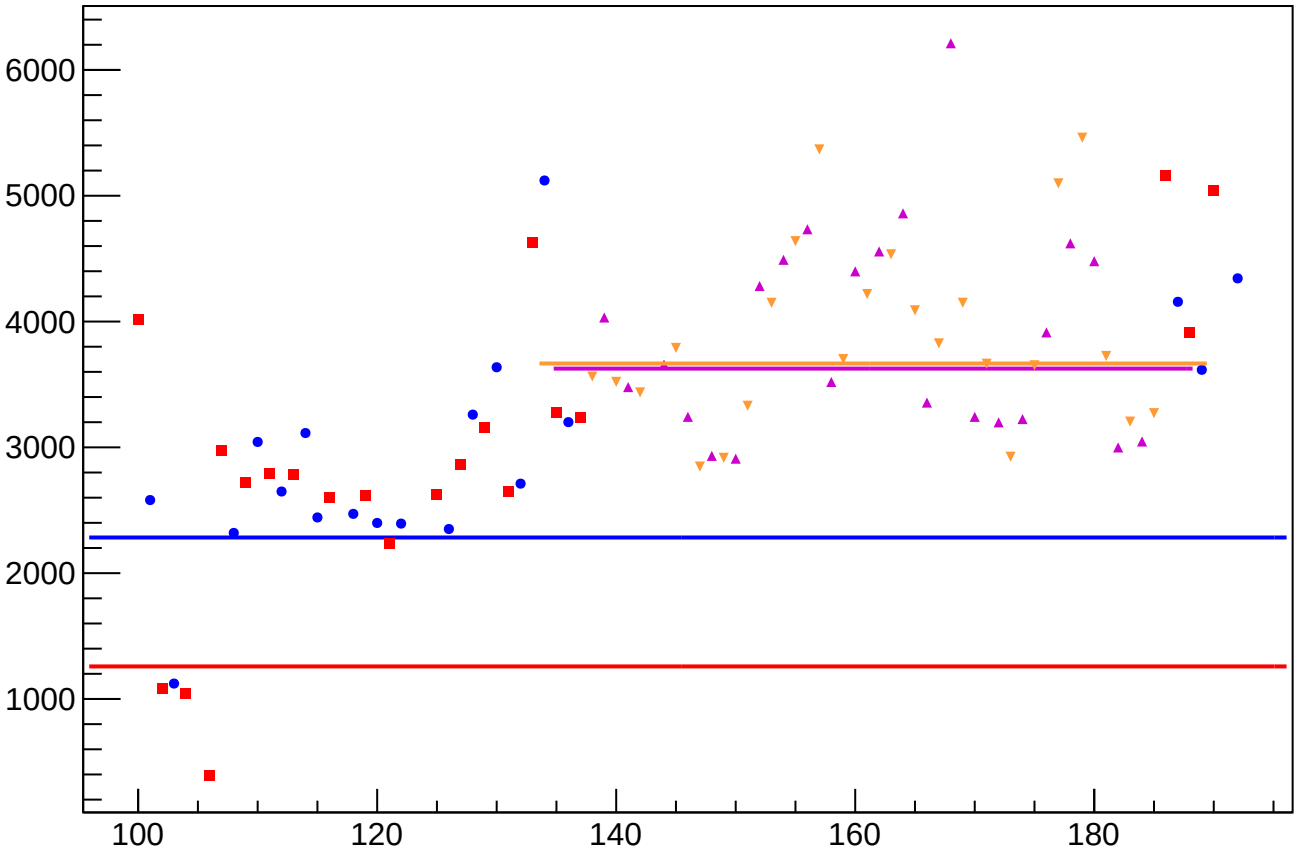
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: -27.520+/-464.998 χ^2/NDF: 42.0/39

In: 260.873+/-603.238 χ^2/NDF:29.4/41

Out: -65.499+/-469.483 χ^2/NDF:55.2/44

All: 57.615+/-370.499 χ^2/NDF: 84.7/86



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: 1258.765+/-0.394 χ^2/NDF: 7588141.7/20

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

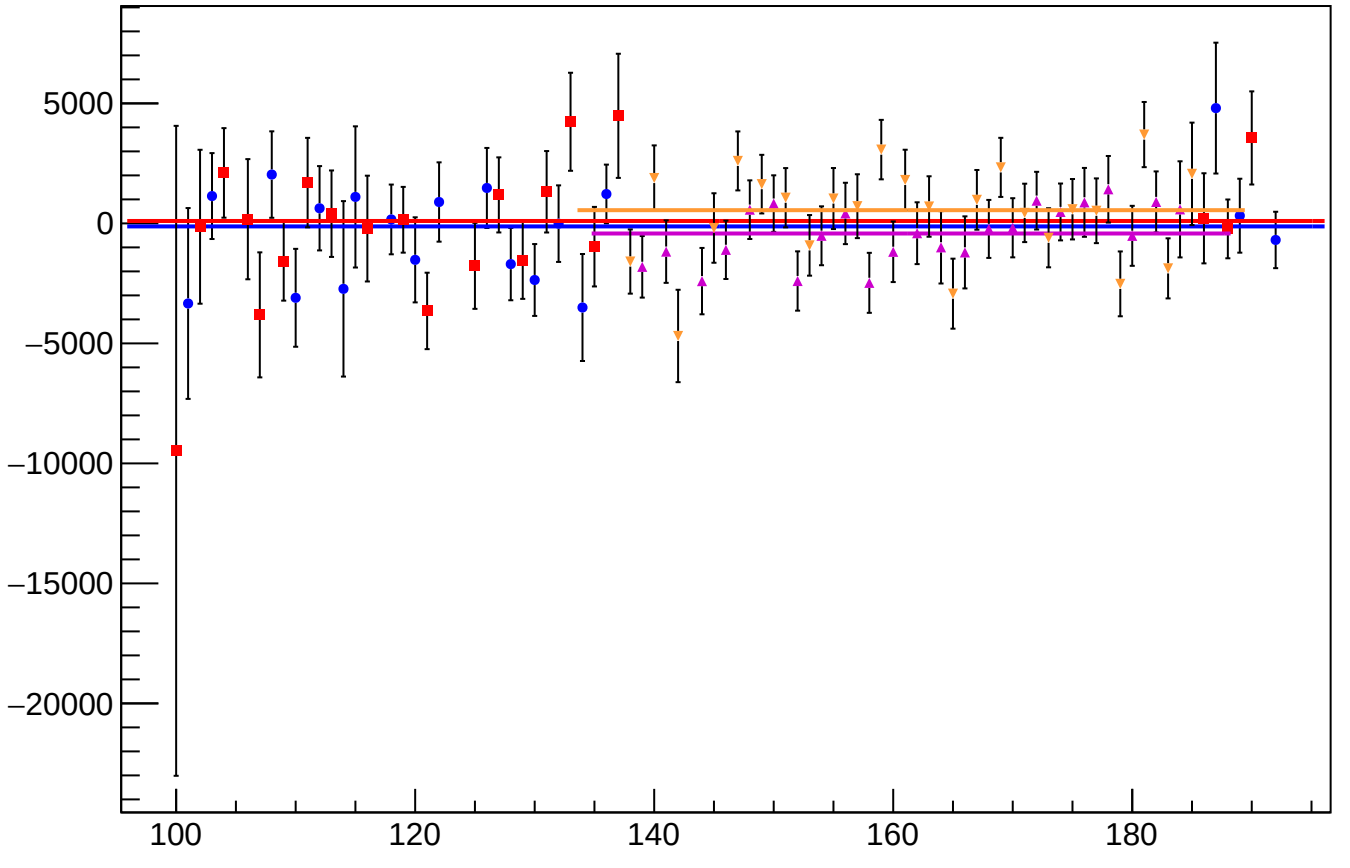
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

Right: 1571.389+/-0.329 χ^2/NDF: 12324615.4/39

In: 2936.764+/-0.427 χ^2/NDF:6409162.4/41

Out: 1960.839+/-0.332 χ^2/NDF:19550112.6/44

All: 2328.978+/-0.262 χ^2/NDF: 29219291.0/8



Right In: -126.214+/-395.808 χ^2/NDF: 18.0/18

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 100.614+/-401.103 χ^2/NDF: 25.0/20

Left In: -421.022+/-269.815 χ^2/NDF:18.0/22

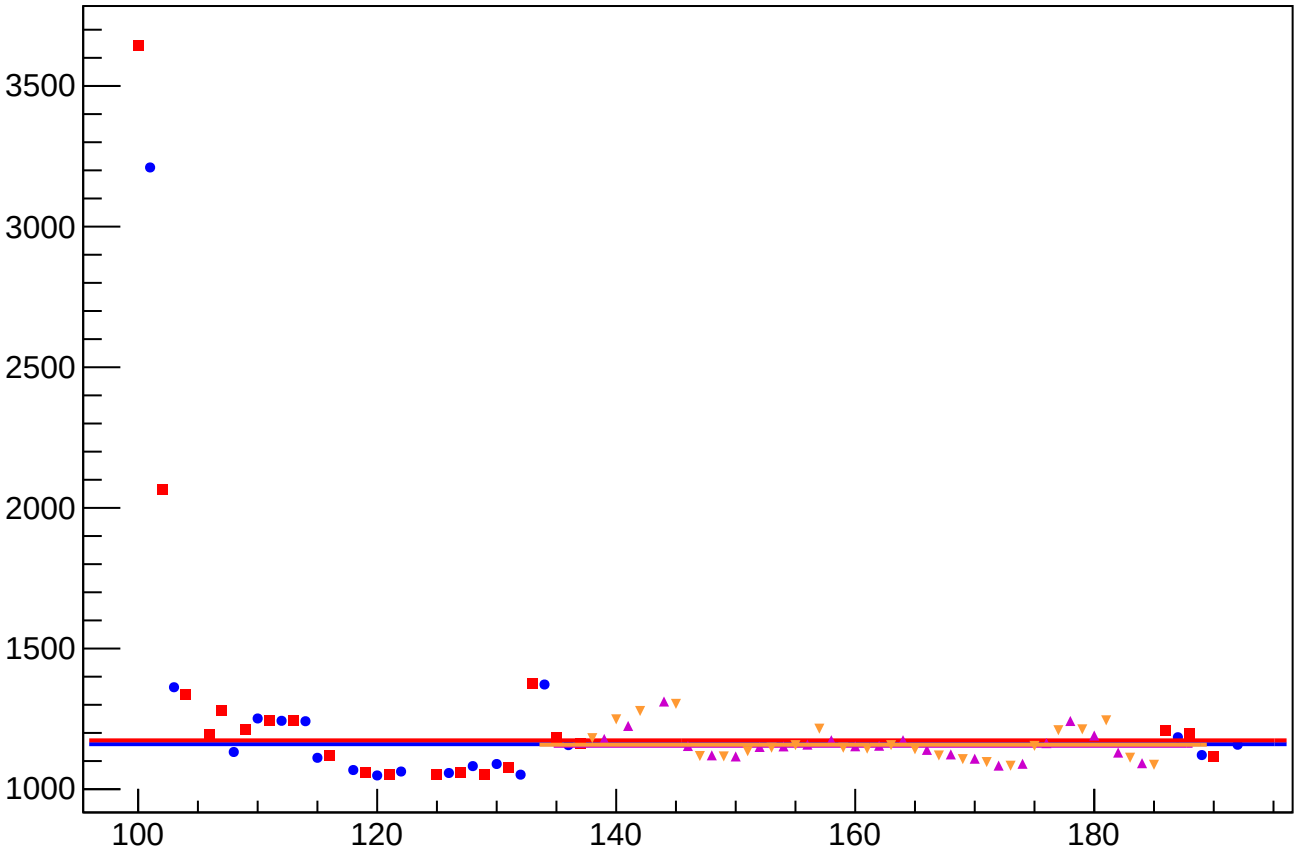
Left: 65.918+/-190.573 χ^2/NDF: 69.7/46

Right: -14.307+/-281.732 χ^2/NDF: 43.1/39

In: -327.490+/-222.943 χ^2/NDF:36.3/41

Out: 410.894+/-223.528 χ^2/NDF:71.1/44

All: 40.734+/-157.851 χ^2/NDF: 112.9/86



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: 1173.564+/-0.284 χ^2/NDF: 334852.9/20

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

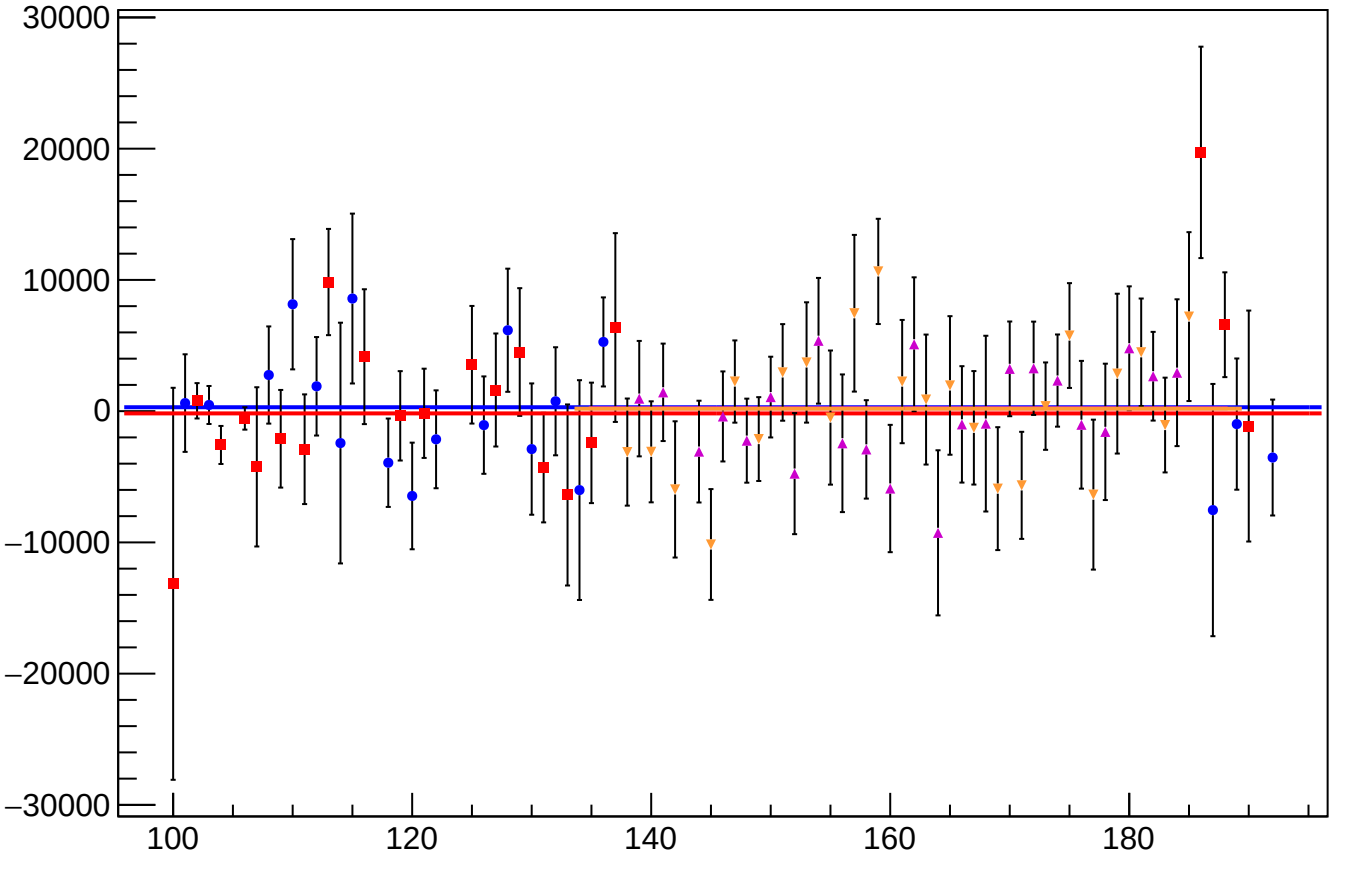
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1166.707+/-0.199 χ^2/NDF: 972875.2/39

In: 1156.069+/-0.158 χ^2/NDF:703639.1/41

Out: 1162.959+/-0.158 χ^2/NDF:420997.2/44

All: 1159.505+/-0.112 χ^2/NDF: 1125588.8/86



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: -170.562+/-557.790 χ^2/NDF: 25.8/20

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

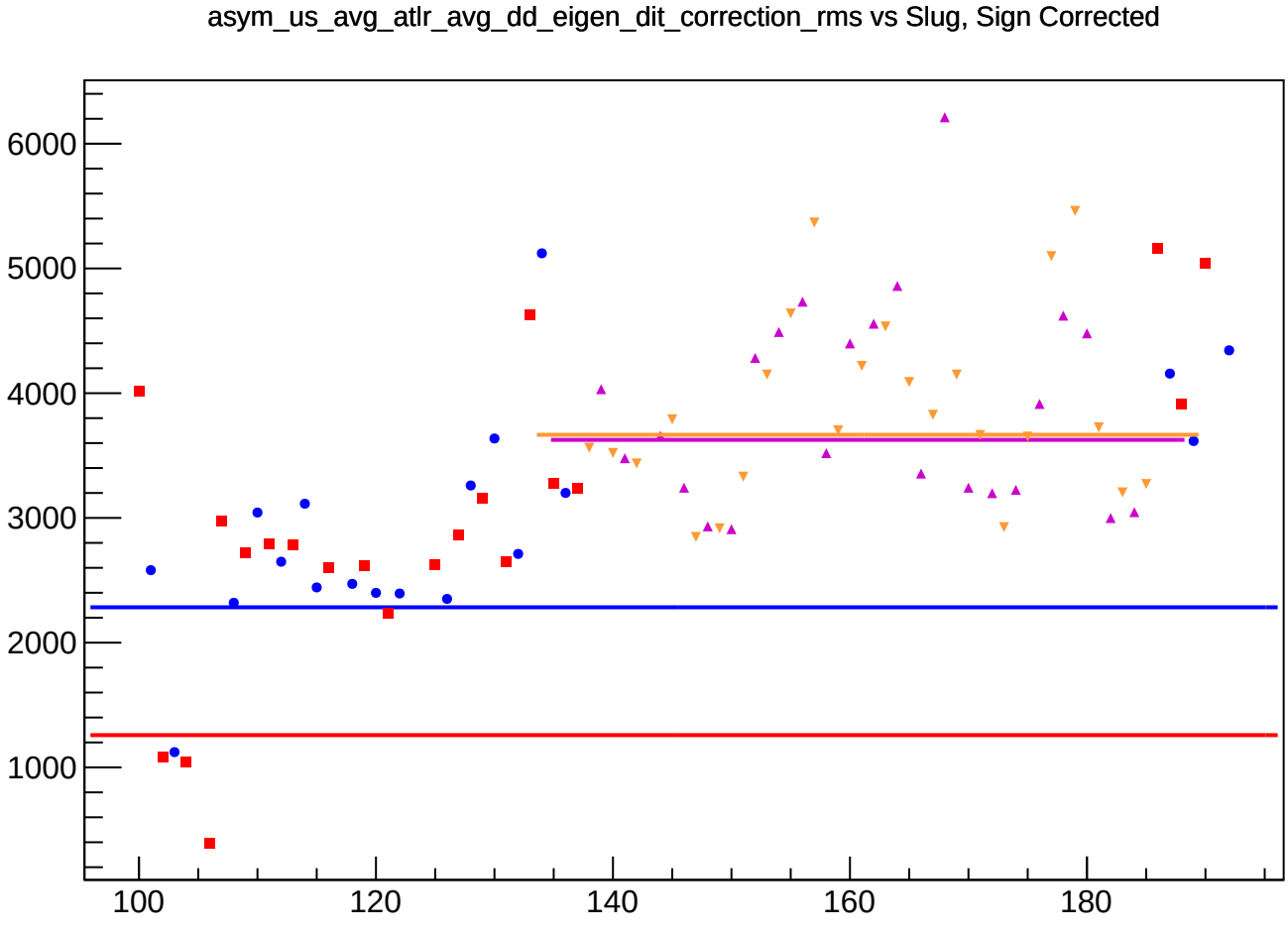
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

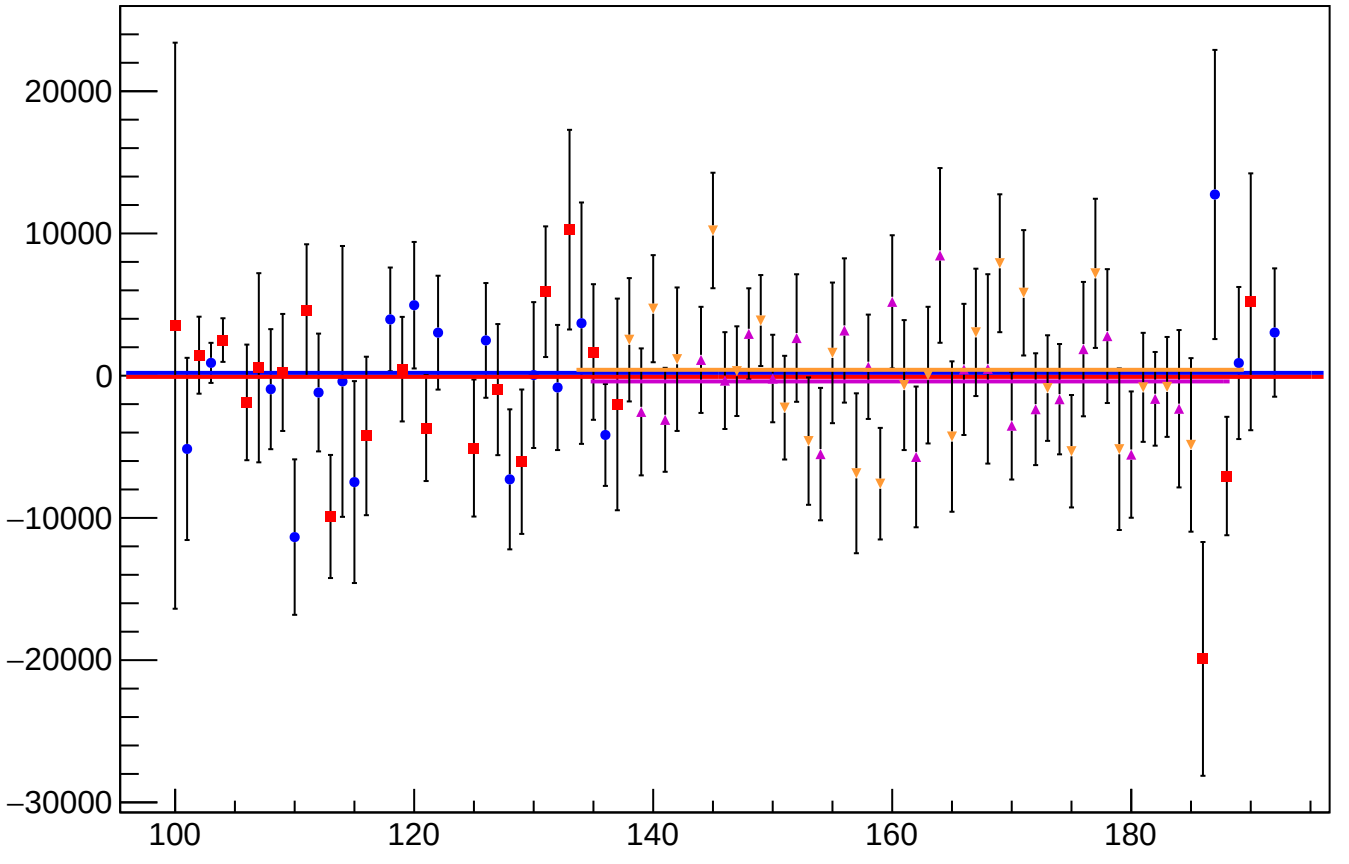
Right: -27.529+/-464.994 χ^2/NDF: 42.0/39

In: 260.872+/-603.238 χ^2/NDF:29.4/41

Out: -65.506+/-469.479 χ^2/NDF:55.2/44

All: 57.609+/-370.497 χ^2/NDF: 84.7/86


asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
Right In: 2283.565+/-0.595 χ²/NDF: 2677083.0/18
Left Out: 3666.541+/-0.615 χ²/NDF:1095834.2/23
Right Out: 1258.741+/-0.394 χ²/NDF: 7588295.2/20
Left In: 3625.945+/-0.611 χ²/NDF:1257933.0/22
Left: 3646.134+/-0.434 χ²/NDF: 2355959.1/46
Right: 1571.366+/-0.329 χ²/NDF: 12324874.7/39
In: 2936.763+/-0.427 χ²/NDF:6409198.1/41
Out: 1960.810+/-0.332 χ²/NDF:19550589.1/44
All: 2328.956+/-0.262 χ²/NDF: 29220008.3/8



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: -83.945+/-867.652 χ^2/NDF: 26.6/20

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

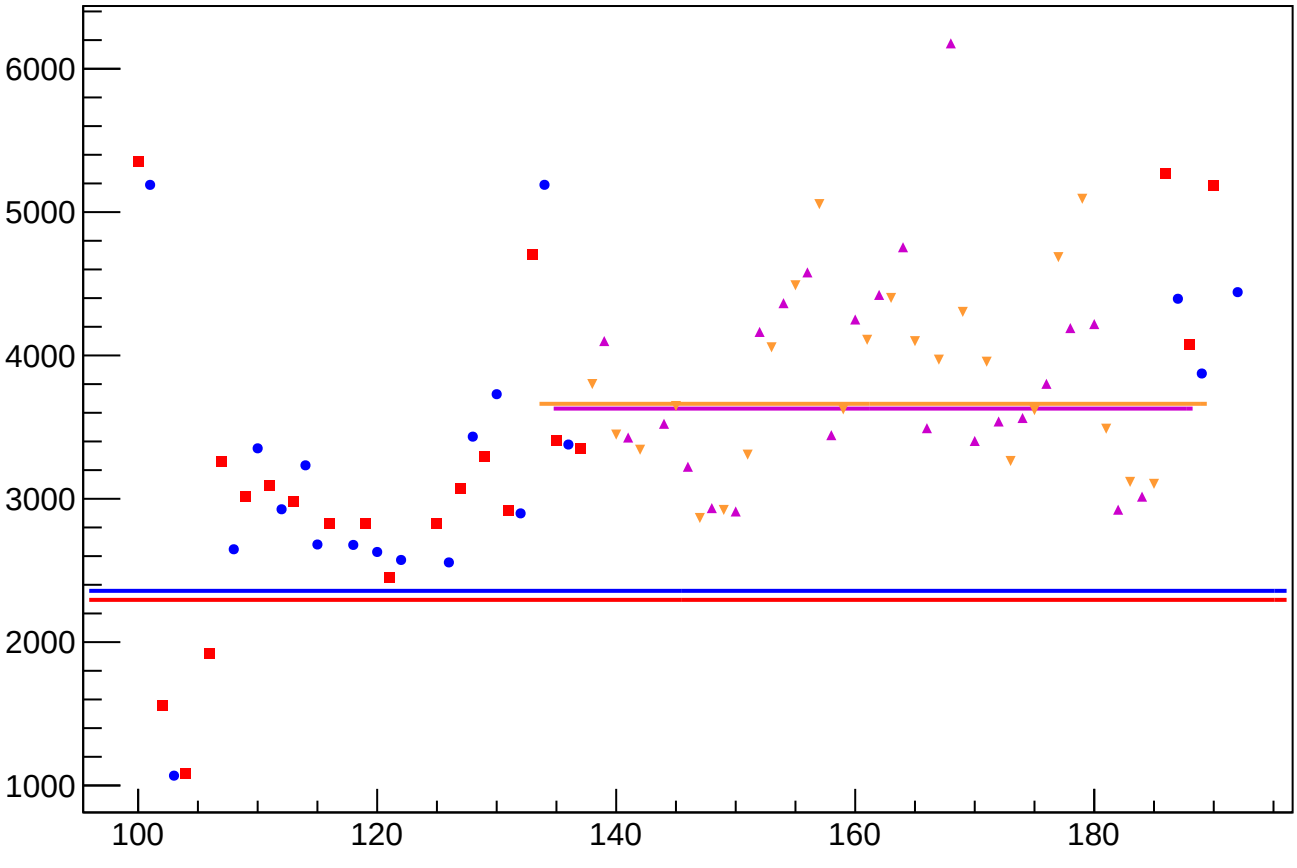
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: 53.437+/-619.971 χ^2/NDF: 42.4/39

In: -111.546+/-618.060 χ^2/NDF:28.3/41

Out: 165.440+/-612.700 χ^2/NDF:54.0/44

All: 28.153+/-435.127 χ^2/NDF: 82.4/86



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: 2294.822+/-0.612 χ^2/NDF: 3156036.4/20

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

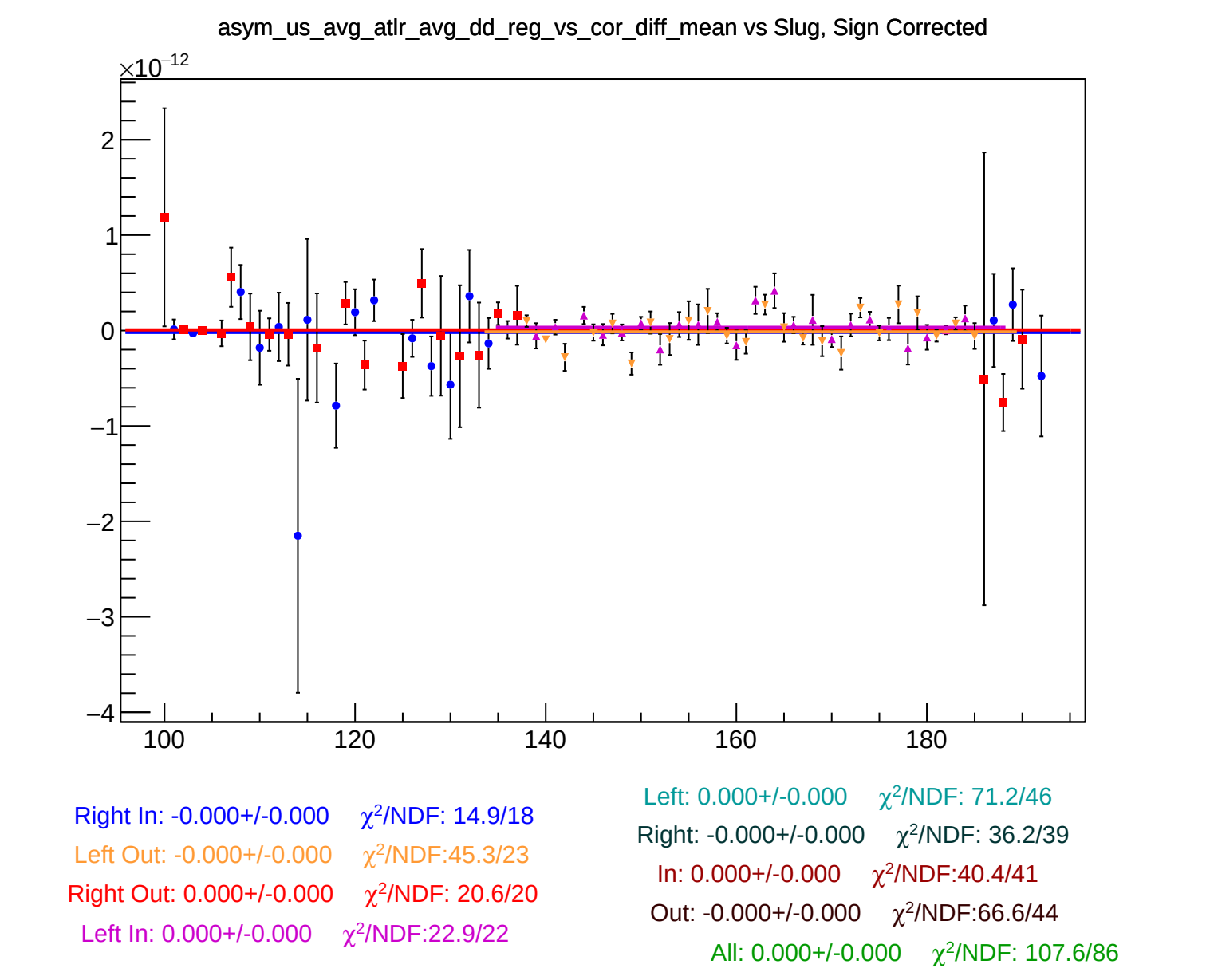
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

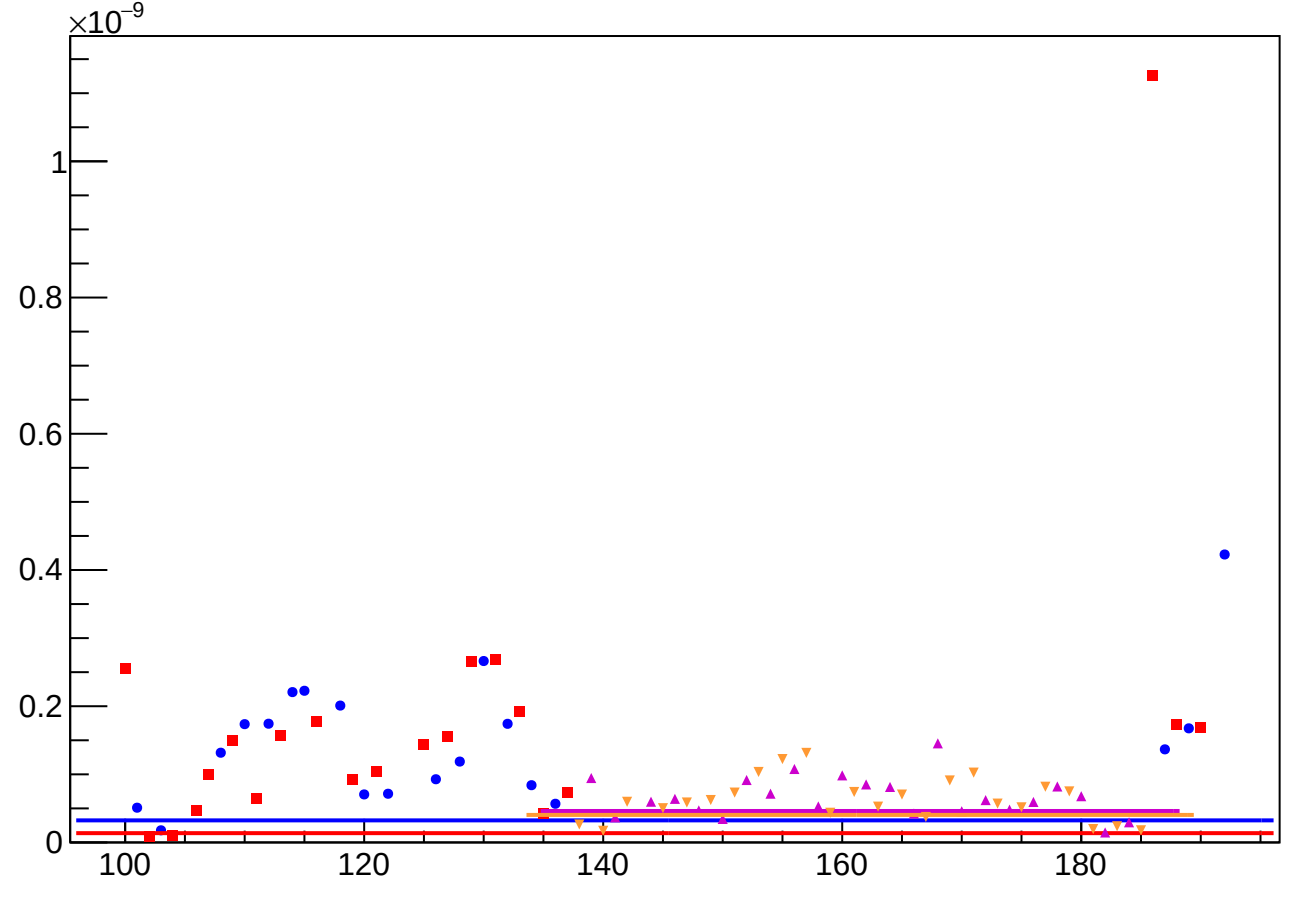
Right: 2325.577+/-0.438 χ^2/NDF: 6717878.7/39

In: 3010.754+/-0.437 χ^2/NDF:6725794.1/41

Out: 2979.040+/-0.433 χ^2/NDF:6547067.3/44

All: 2994.741+/-0.308 χ^2/NDF: 13275520.3/8


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: 20.6/20
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: 36.2/39
In: 0.000+/-0.000 χ²/NDF:40.4/41
Out: -0.000+/-0.000 χ²/NDF:66.6/44
All: 0.000+/-0.000 χ²/NDF: 107.6/86



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: 4845132.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

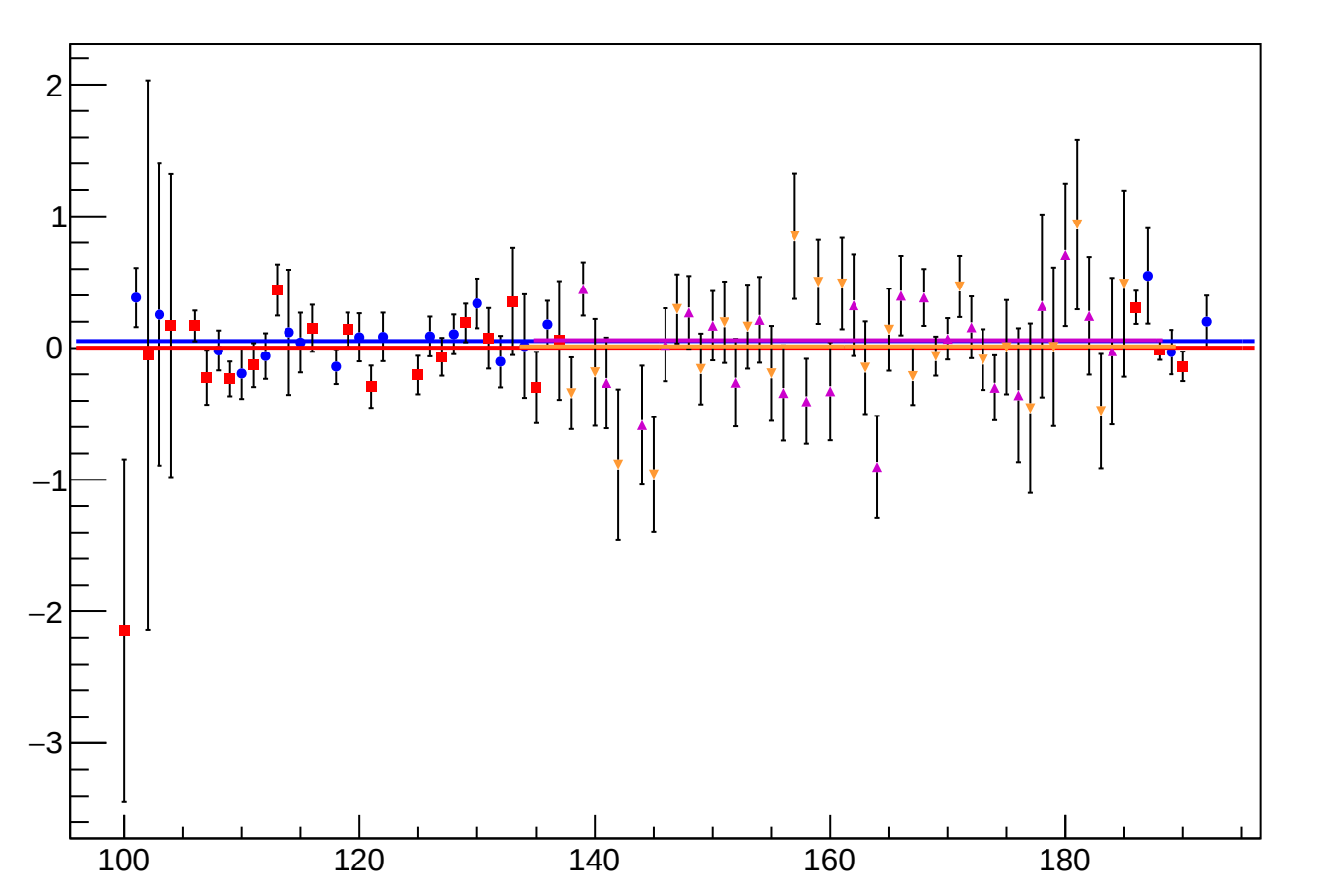
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 9768186.8/39

In: 0.000+/-0.000 χ^2/NDF:7424671.1/41

Out: 0.000+/-0.000 χ^2/NDF:10802072.7/44

All: 0.000+/-0.000 χ^2/NDF: 19691533.9/86



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: 0.003+/-0.034 χ^2/NDF: 33.7/20

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

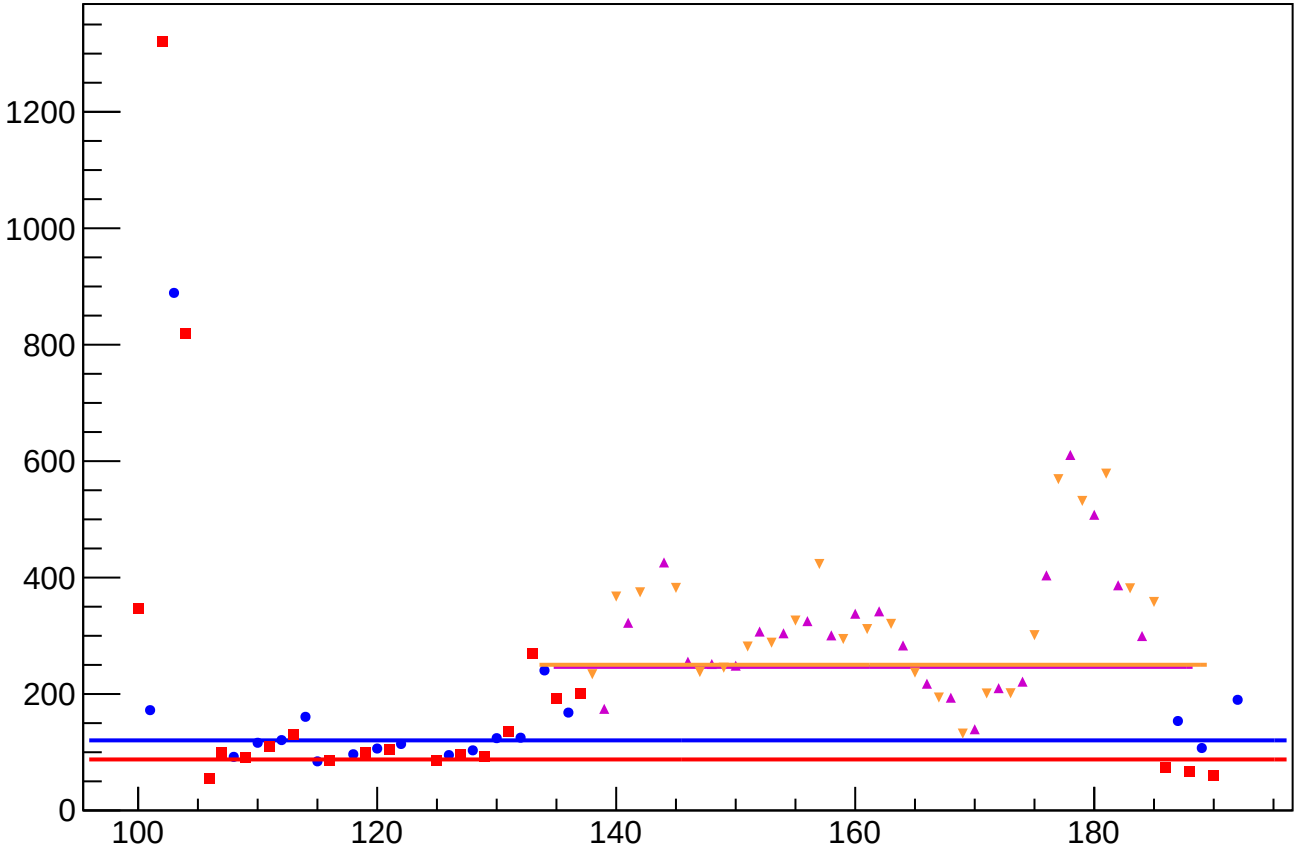
Right: 0.022+/-0.027 χ^2/NDF: 47.5/39

In: 0.055+/-0.036 χ^2/NDF:40.9/41

Out: 0.005+/-0.030 χ^2/NDF:63.0/44

All: 0.026+/-0.023 χ^2/NDF: 105.1/86

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: 87.606+/-0.024 χ^2/NDF: 3145081.0/20

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

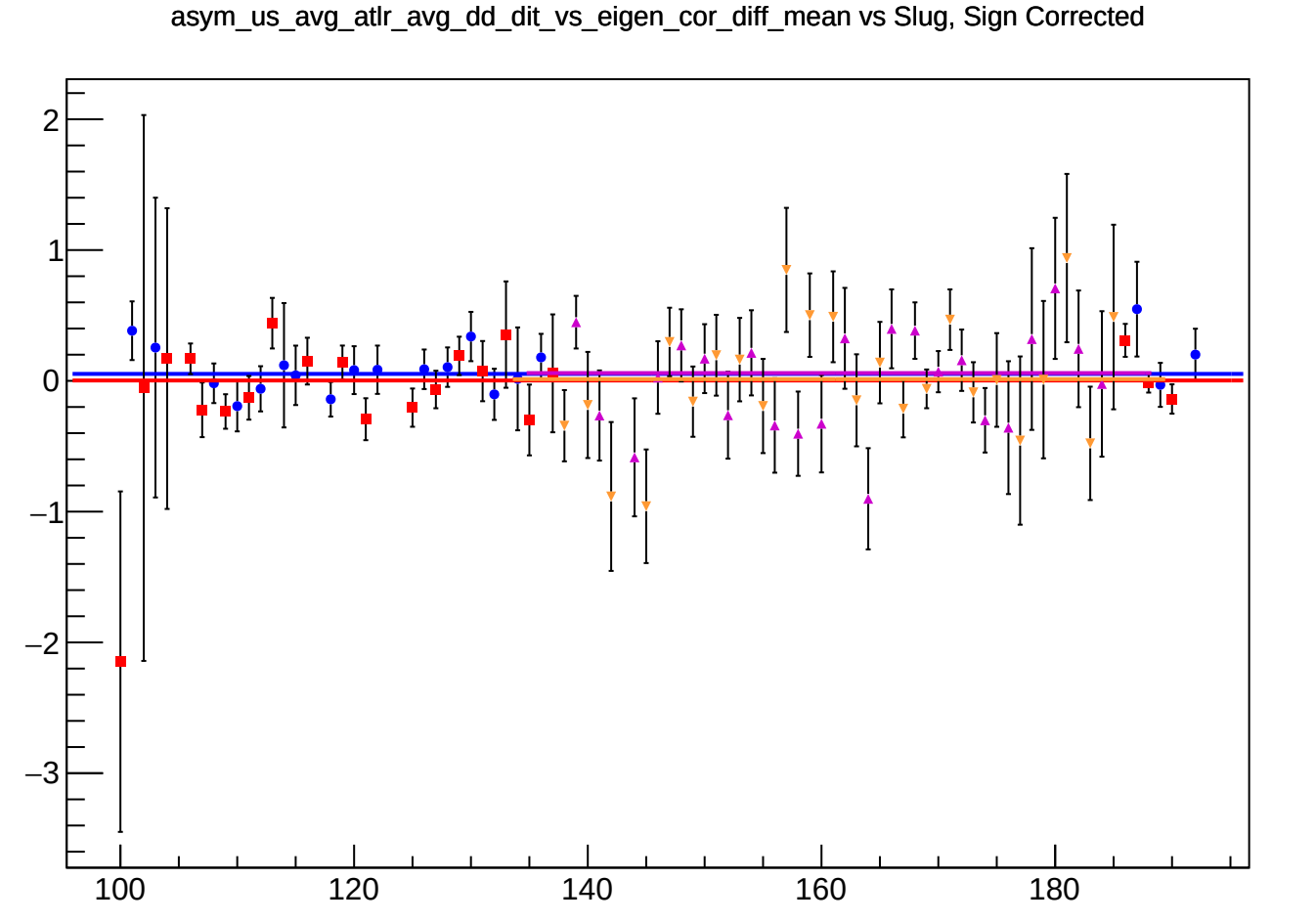
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 99.849+/-0.019 χ^2/NDF: 5743794.5/39

In: 162.885+/-0.025 χ^2/NDF:11181318.4/41

Out: 124.477+/-0.021 χ^2/NDF:17803136.1/44

All: 140.228+/-0.016 χ^2/NDF: 30328841.0/86



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: 0.003+/-0.034 χ^2/NDF: 33.7/20

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

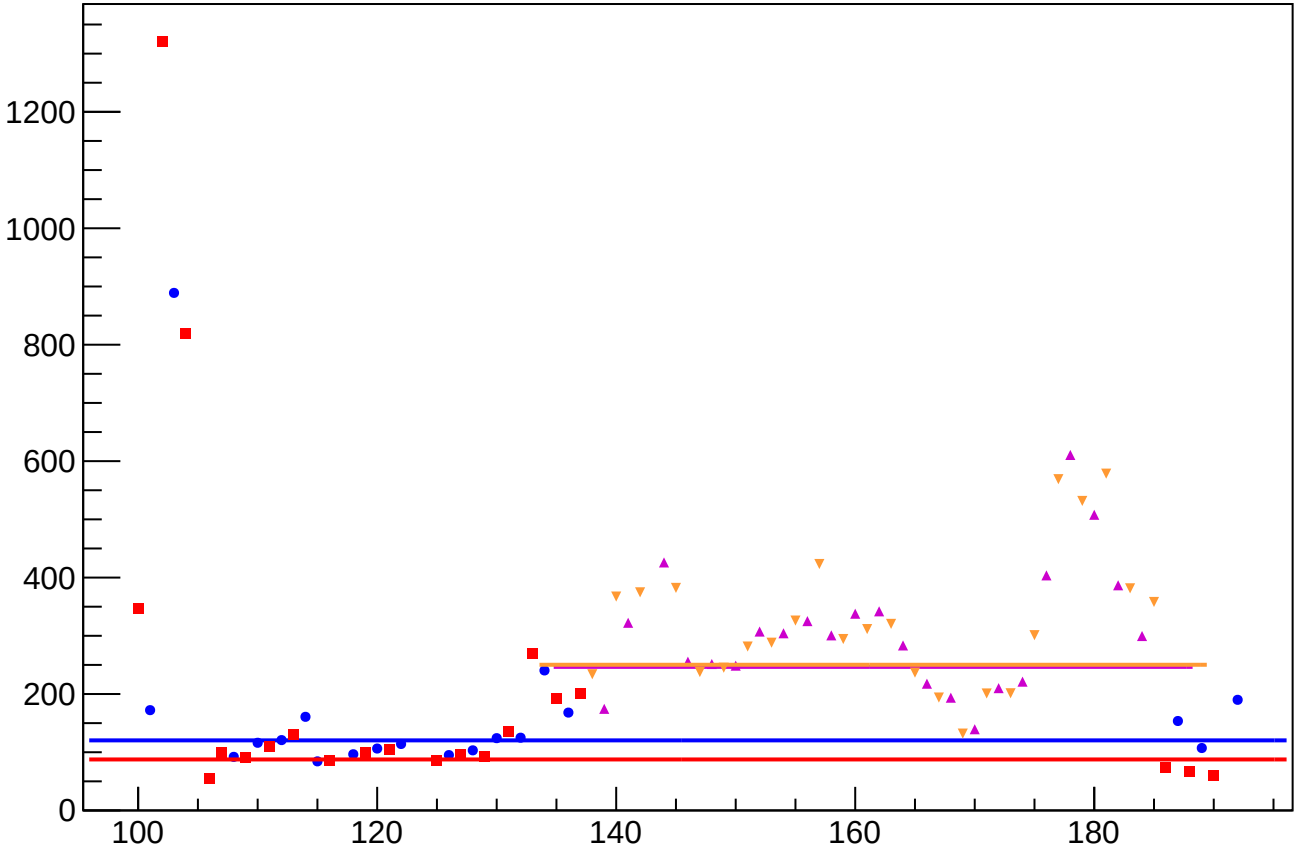
Right: 0.022+/-0.027 χ^2/NDF: 47.5/39

In: 0.055+/-0.036 χ^2/NDF:40.9/41

Out: 0.005+/-0.030 χ^2/NDF:63.0/44

All: 0.026+/-0.023 χ^2/NDF: 105.1/86

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: 87.606+/-0.024 χ^2/NDF: 3145081.0/20

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

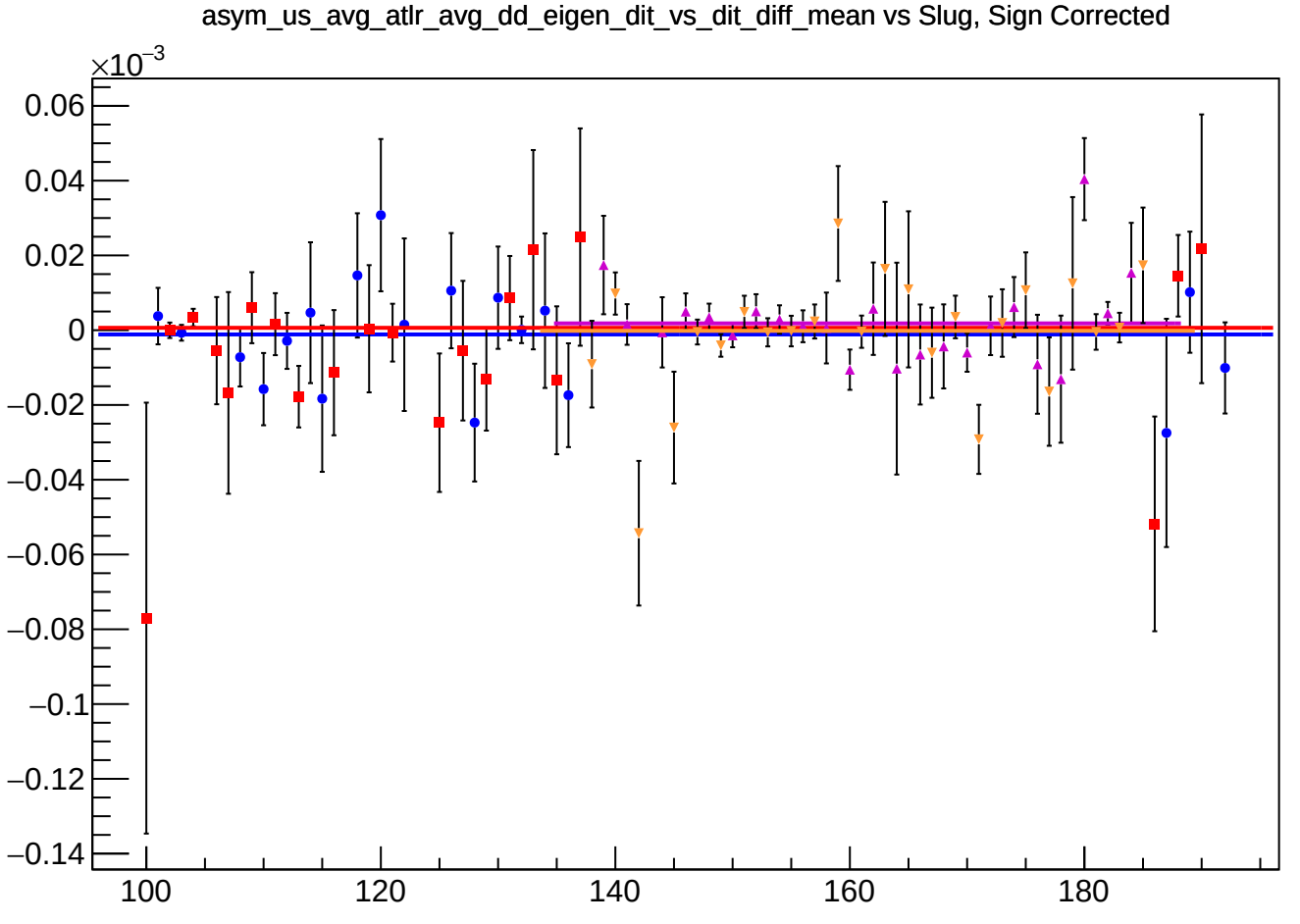
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 99.849+/-0.019 χ^2/NDF: 5743794.5/39

In: 162.885+/-0.025 χ^2/NDF:11181318.4/41

Out: 124.477+/-0.021 χ^2/NDF:17803136.1/44

All: 140.228+/-0.016 χ^2/NDF: 30328841.0/86



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: 20.4/20

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

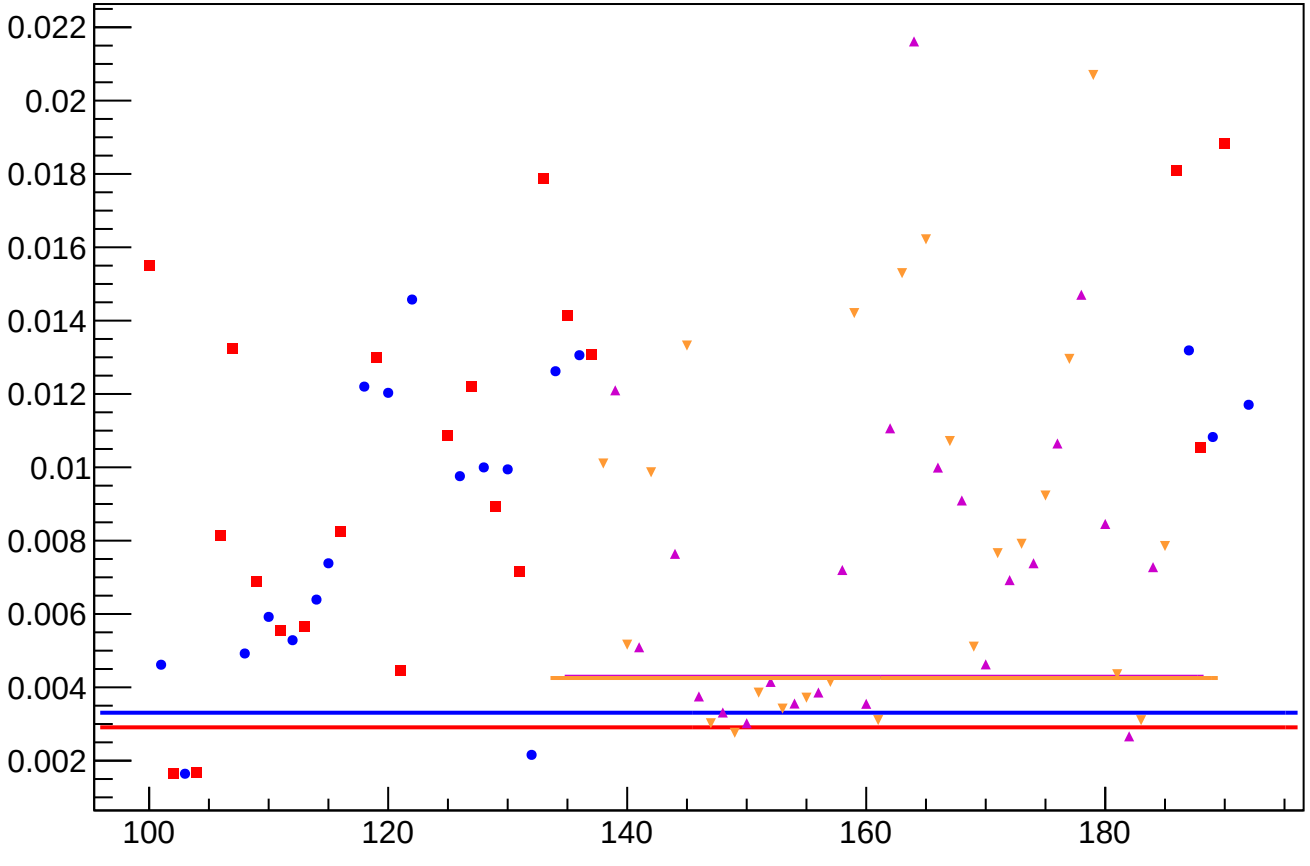
Right: -0.000+/-0.000 χ^2/NDF: 35.4/39

In: 0.000+/-0.000 χ^2/NDF:44.8/41

Out: 0.000+/-0.000 χ^2/NDF:57.7/44

All: 0.000+/-0.000 χ^2/NDF: 102.8/86

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 8678196.2/20

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

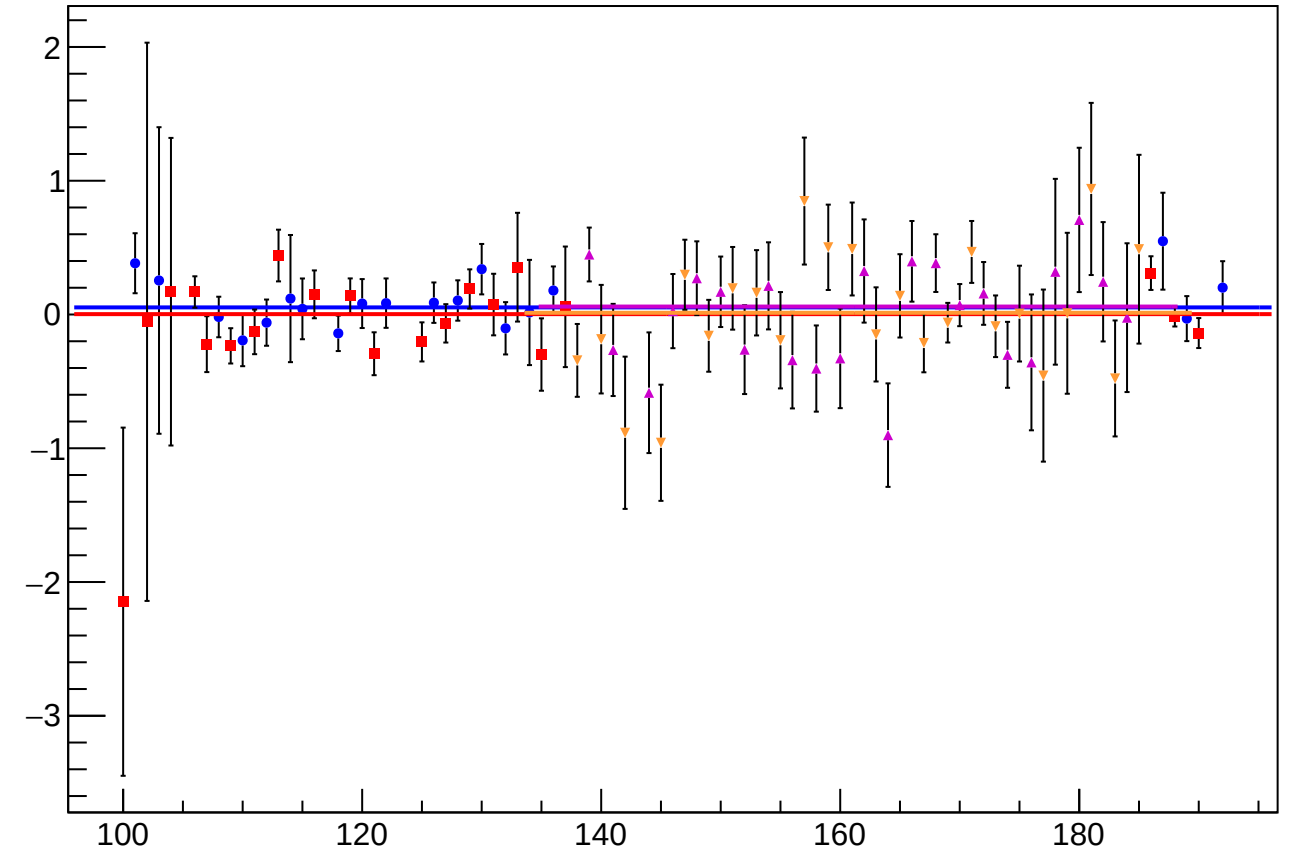
Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

Right: 0.003+/-0.000 χ^2/NDF: 16351046.9/39

In: 0.004+/-0.000 χ^2/NDF:14700027.1/41

Out: 0.004+/-0.000 χ^2/NDF:18274471.9/44

All: 0.004+/-0.000 χ^2/NDF: 33040166.2/86



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: 0.003+/-0.034 χ^2/NDF: 33.7/20

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

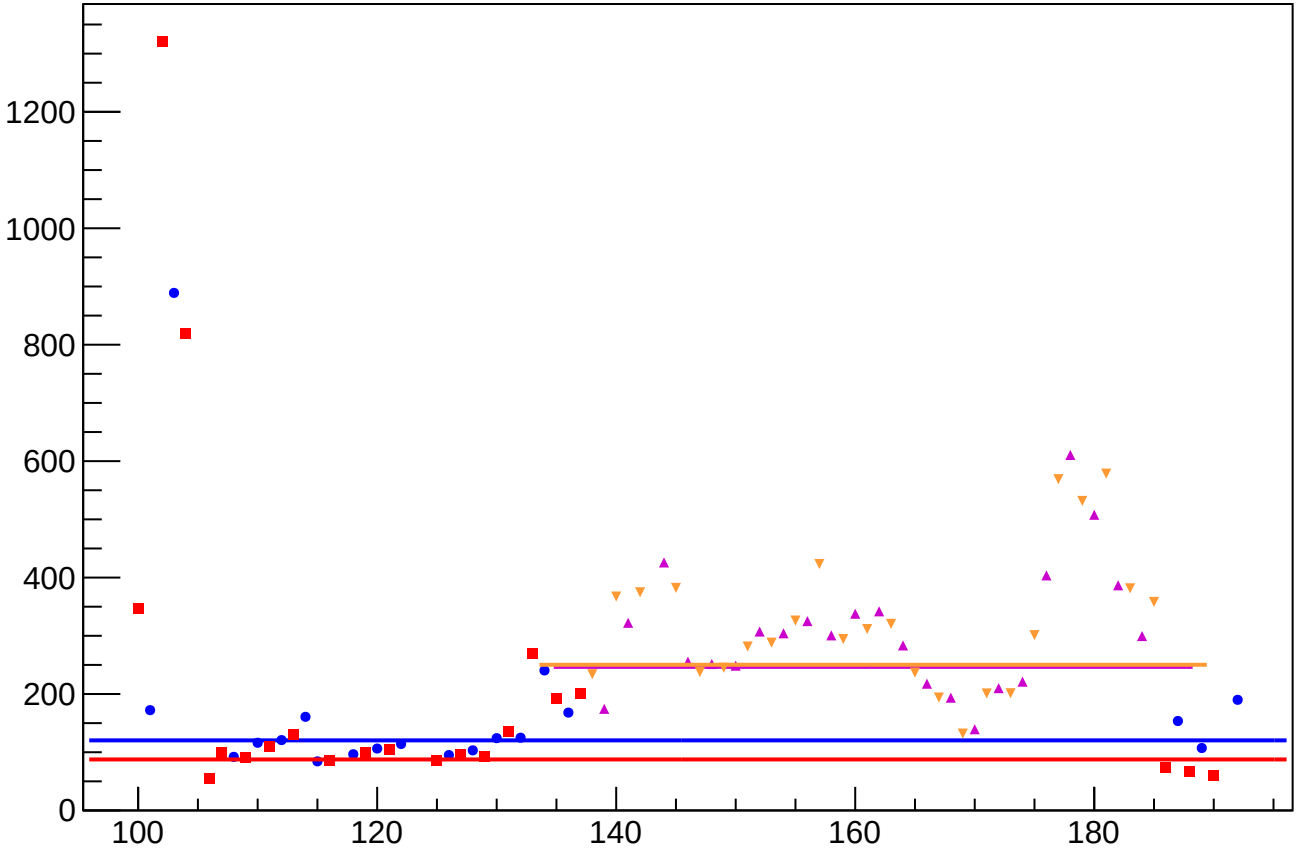
Right: 0.022+/-0.027 χ^2/NDF: 47.5/39

In: 0.055+/-0.036 χ^2/NDF:40.9/41

Out: 0.005+/-0.030 χ^2/NDF:63.0/44

All: 0.026+/-0.023 χ^2/NDF: 105.1/86

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: 87.602+/-0.024 χ^2/NDF: 3145359.8/20

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

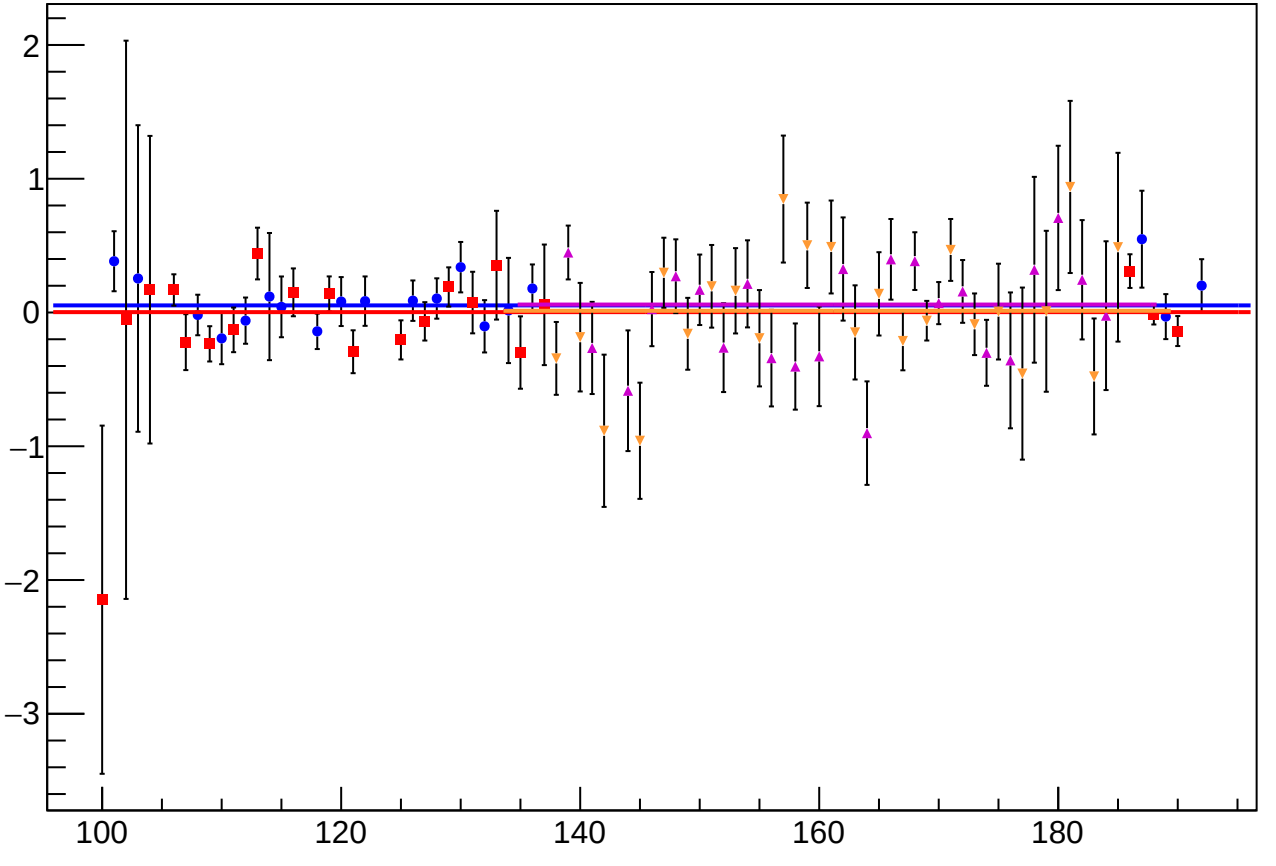
Right: 99.846+/-0.019 χ^2/NDF: 5744249.9/39

In: 162.885+/-0.025 χ^2/NDF:11181552.8/41

Out: 124.471+/-0.021 χ^2/NDF:17804296.7/44

All: 140.224+/-0.016 χ^2/NDF: 30330620.1/86

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: 0.003+/-0.034 χ^2/NDF: 33.7/20

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

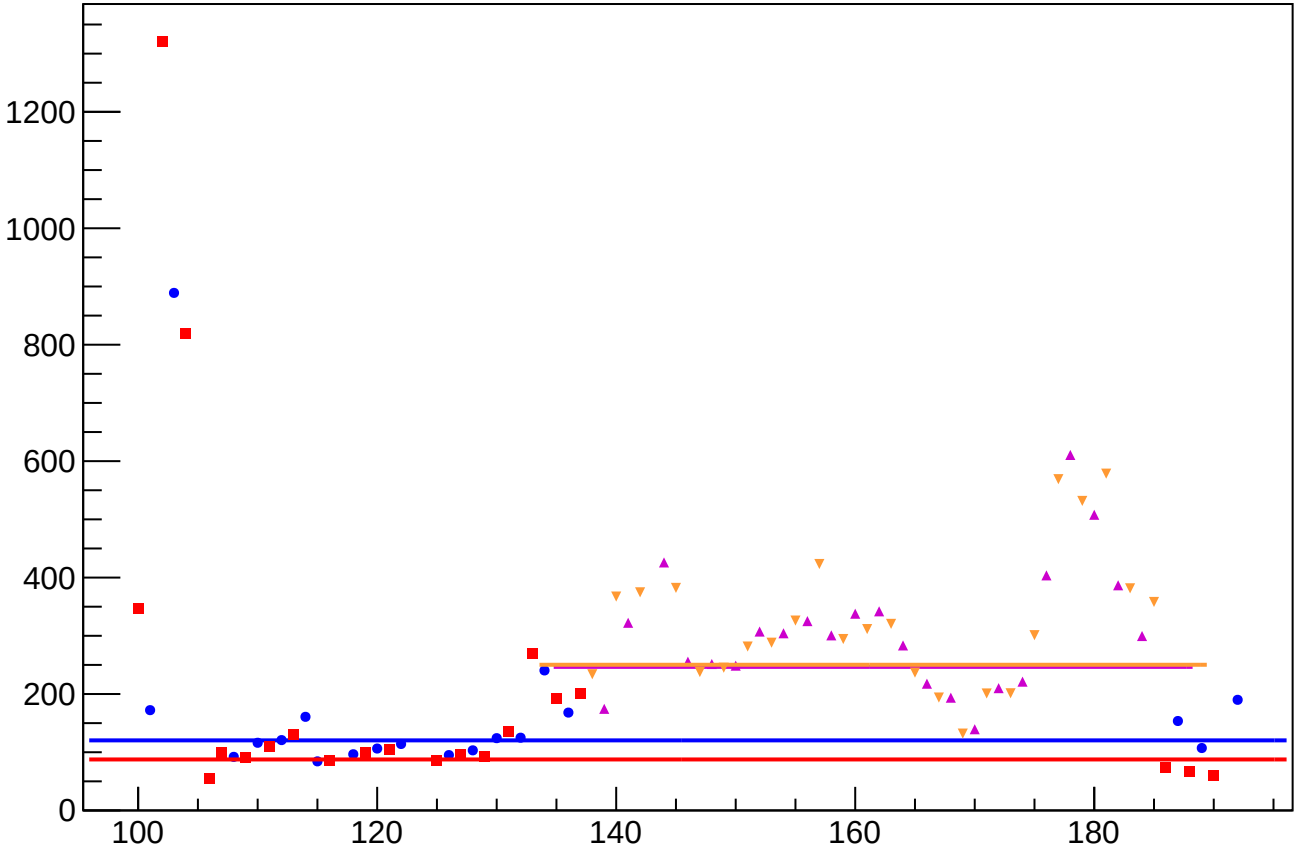
Right: 0.022+/-0.027 χ^2/NDF: 47.5/39

In: 0.055+/-0.036 χ^2/NDF:40.9/41

Out: 0.005+/-0.030 χ^2/NDF:63.0/44

All: 0.026+/-0.023 χ^2/NDF: 105.1/86

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: 87.602+/-0.024 χ^2/NDF: 3145359.8/20

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

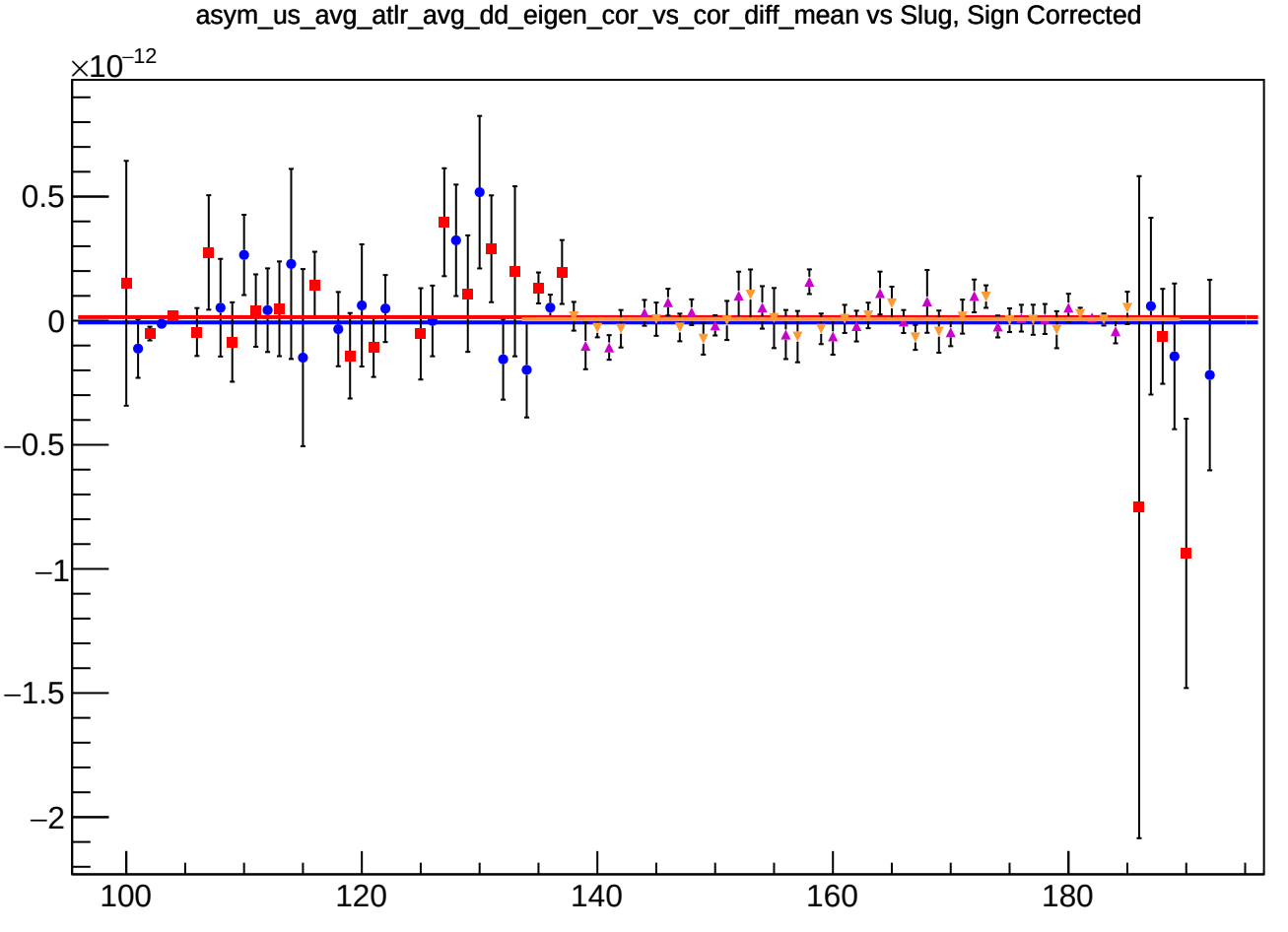
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 99.846+/-0.019 χ^2/NDF: 5744249.9/39

In: 162.885+/-0.025 χ^2/NDF:11181552.8/41

Out: 124.471+/-0.021 χ^2/NDF:17804296.7/44

All: 140.224+/-0.016 χ^2/NDF: 30330620.1/86



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: 25.5/20

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

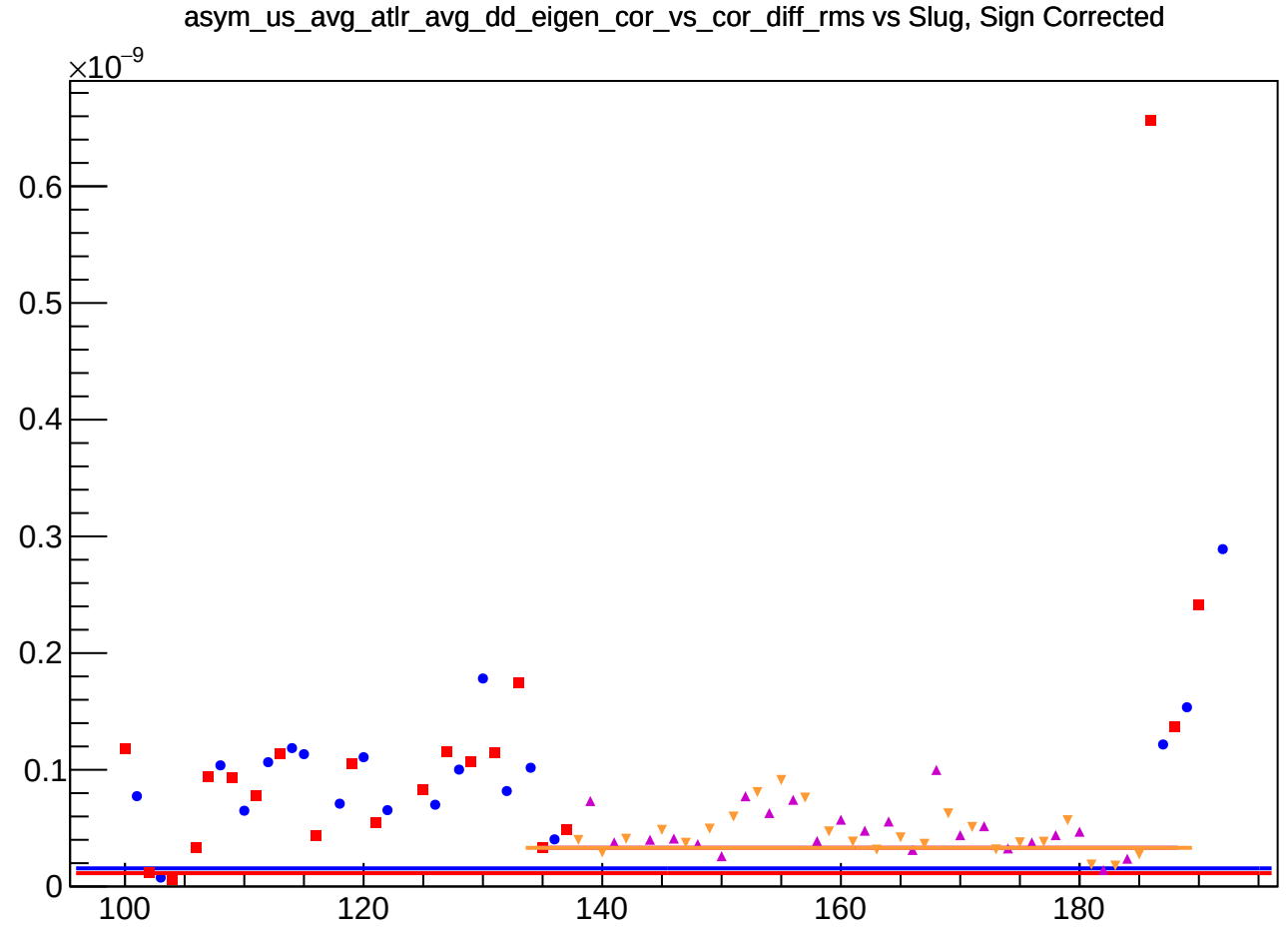
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

Right: 0.000+/-0.000 χ^2/NDF: 40.8/39

In: 0.000+/-0.000 χ^2/NDF:42.6/41

Out: 0.000+/-0.000 χ^2/NDF:39.7/44

All: 0.000+/-0.000 χ^2/NDF: 82.7/86



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: 7558668.7/20

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

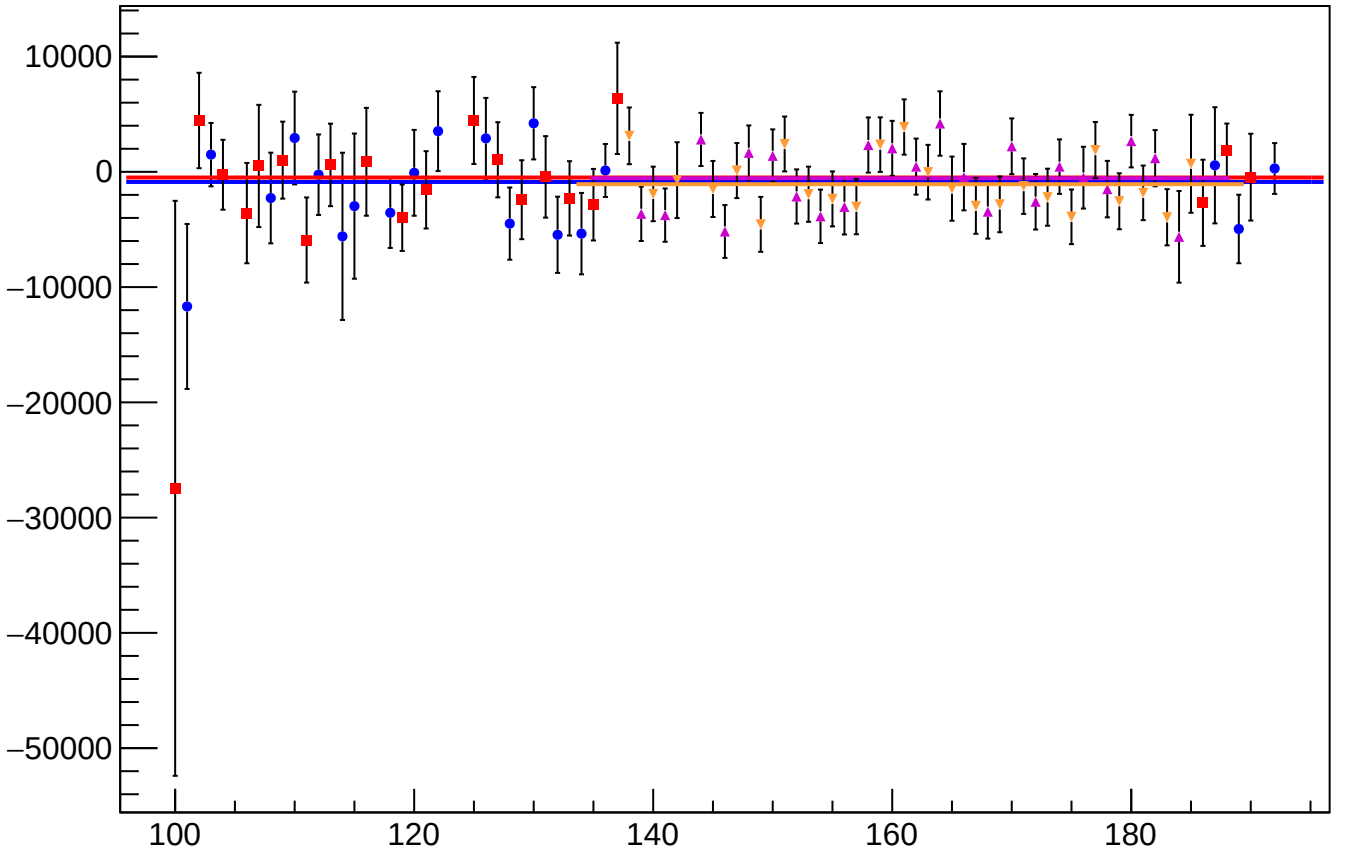
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 15226807.5/39

In: 0.000+/-0.000 χ^2/NDF:14904501.7/41

Out: 0.000+/-0.000 χ^2/NDF:16142275.7/44

All: 0.000+/-0.000 χ^2/NDF: 31357592.0/86



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: -492.968+/-778.191 χ^2/NDF: 13.8/20

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

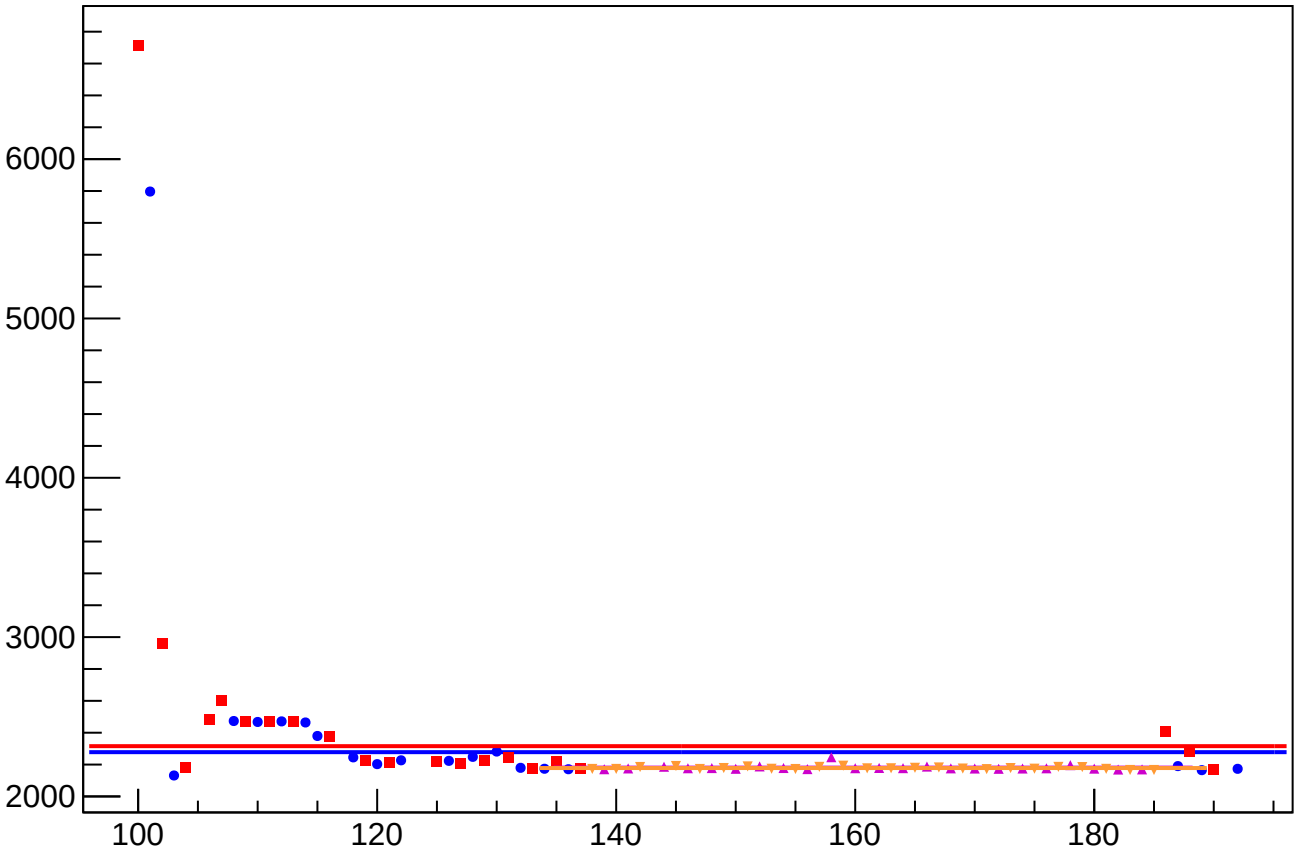
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -687.519+/-548.597 χ^2/NDF: 32.0/39

In: -654.614+/-425.318 χ^2/NDF:47.0/41

Out: -900.766+/-423.934 χ^2/NDF:35.7/44

All: -778.091+/-300.255 χ^2/NDF: 82.9/86



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: 2315.562+/-0.550 χ^2/NDF: 156543.1/20

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

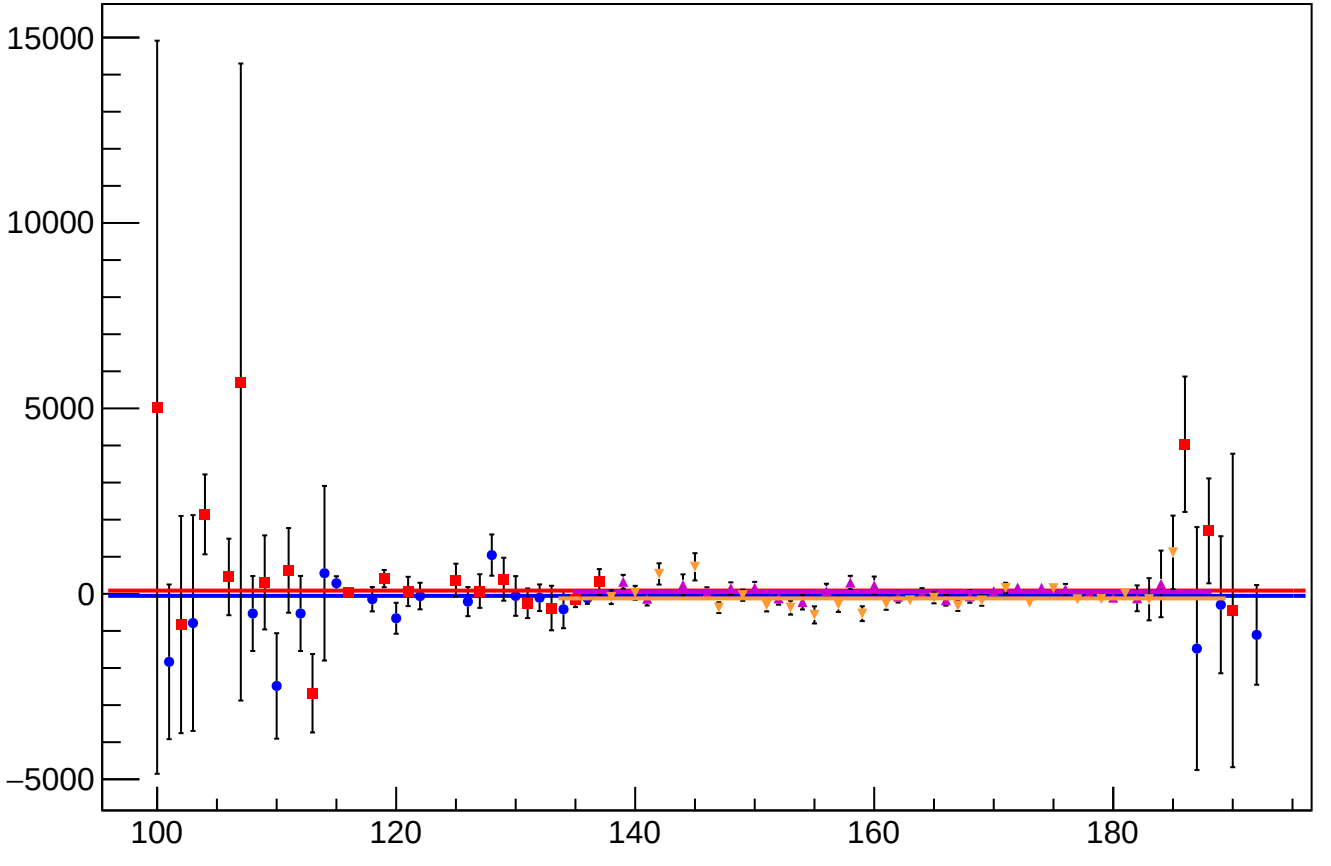
Right: 2296.621+/-0.388 χ^2/NDF: 683205.5/39

In: 2210.243+/-0.301 χ^2/NDF:548110.7/41

Out: 2218.997+/-0.300 χ^2/NDF:200725.7/44

All: 2214.634+/-0.212 χ^2/NDF: 749261.3/86

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: 87.501+/-82.145 χ^2/NDF: 23.6/20

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

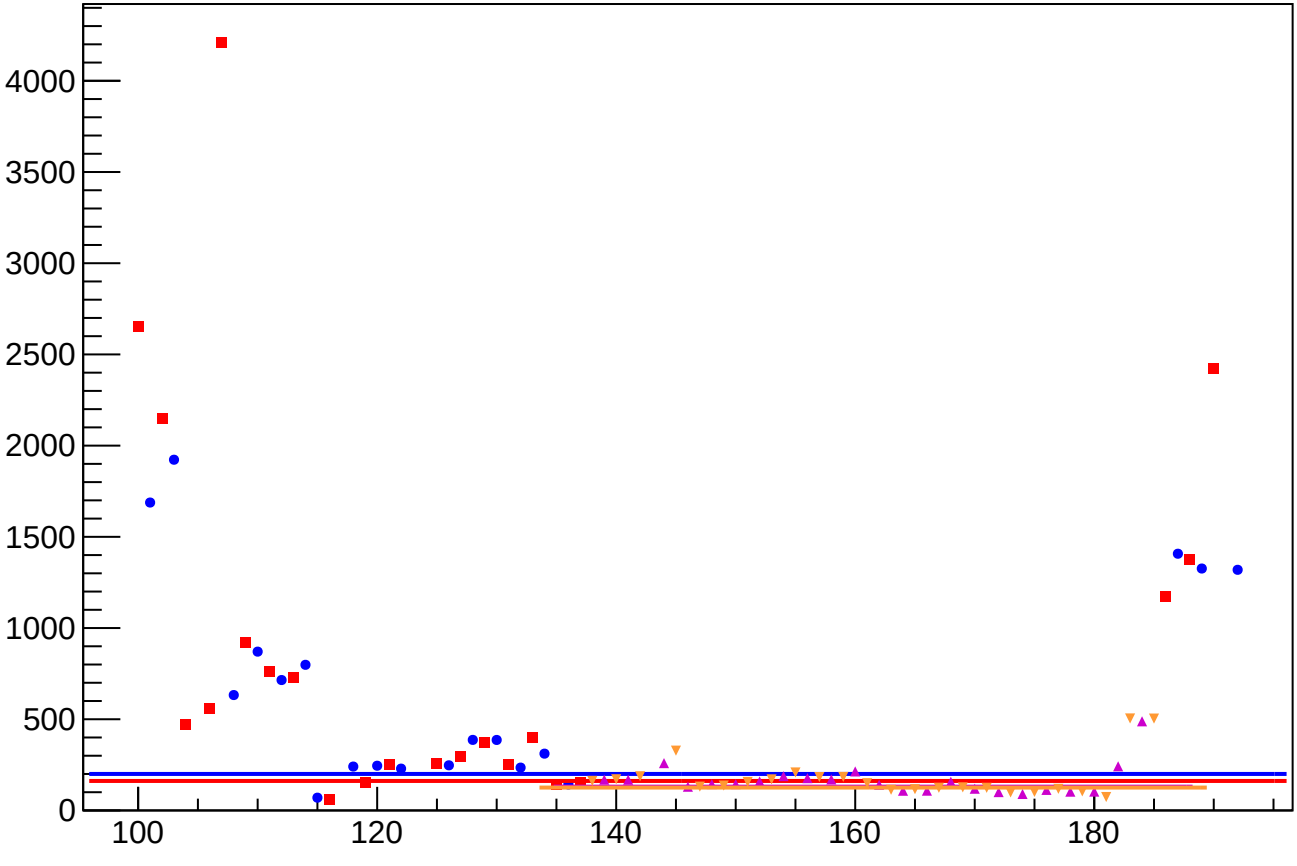
Right: 23.444+/-60.844 χ^2/NDF: 40.2/39

In: 38.339+/-30.627 χ^2/NDF:34.6/41

Out: -96.158+/-29.337 χ^2/NDF:73.2/44

All: -31.803+/-21.186 χ^2/NDF: 117.9/86

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: 161.715+/-0.058 χ^2/NDF: 8828449.1/20

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

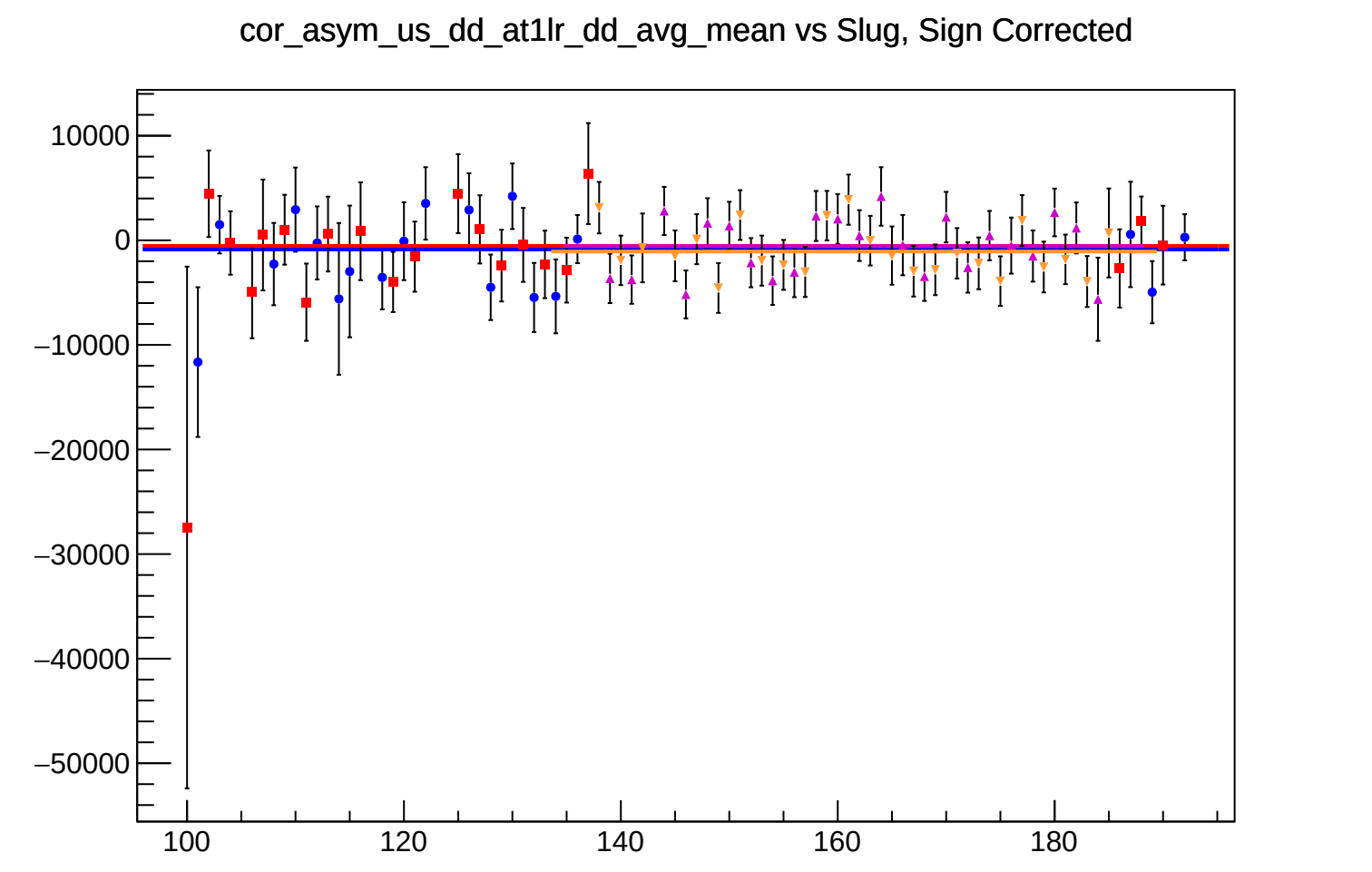
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 179.066+/-0.043 χ^2/NDF: 16510026.6/39

In: 138.410+/-0.022 χ^2/NDF:11213313.2/41

Out: 130.124+/-0.021 χ^2/NDF:13110216.4/44

All: 134.089+/-0.015 χ^2/NDF: 24399864.1/86



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: -530.400+/-778.708 χ^2/NDF: 14.3/20

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

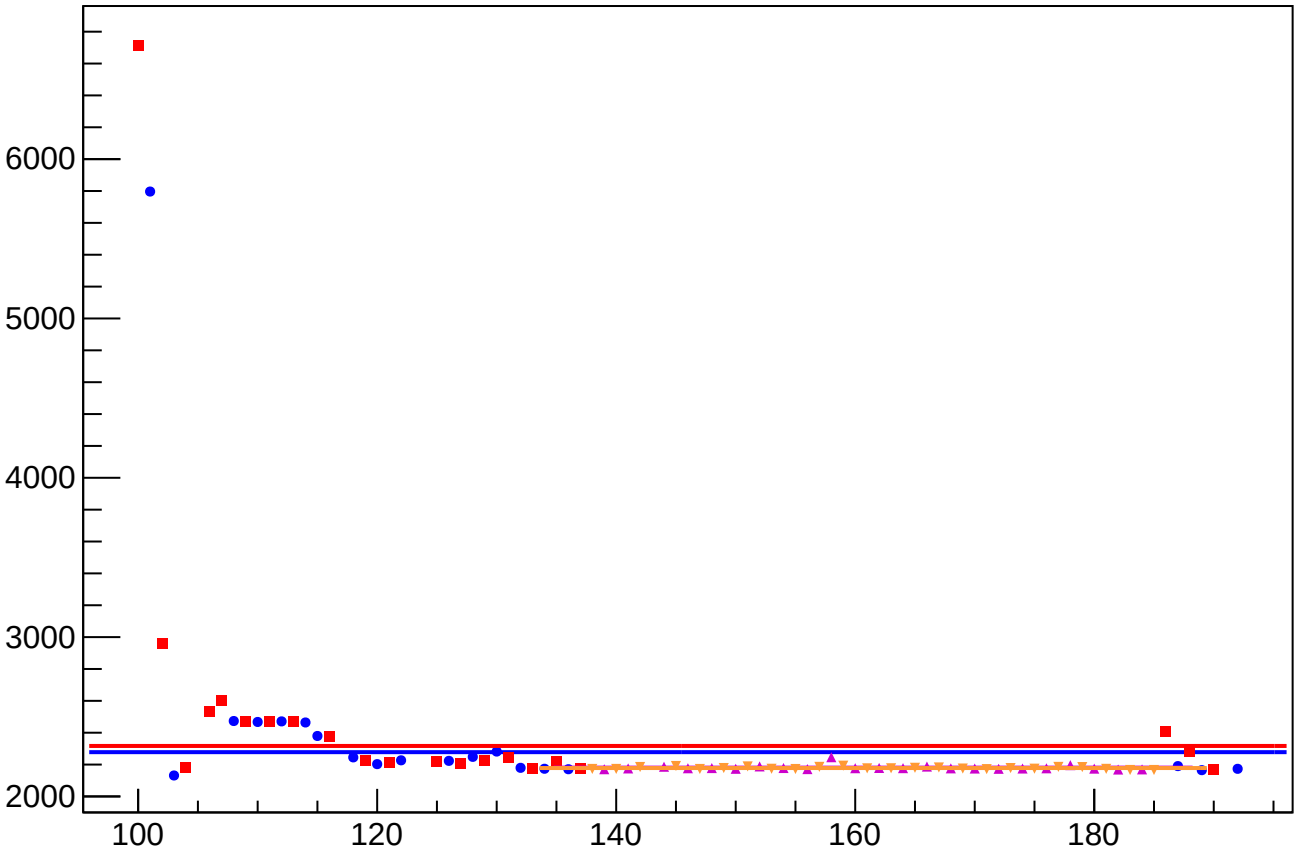
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -705.839+/-548.778 χ^2/NDF: 32.5/39

In: -654.393+/-425.318 χ^2/NDF:46.9/41

Out: -911.977+/-424.018 χ^2/NDF:36.2/44

All: -783.580+/-300.285 χ^2/NDF: 83.3/86



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: 2316.896+/-0.551 χ^2/NDF: 158401.8/20

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

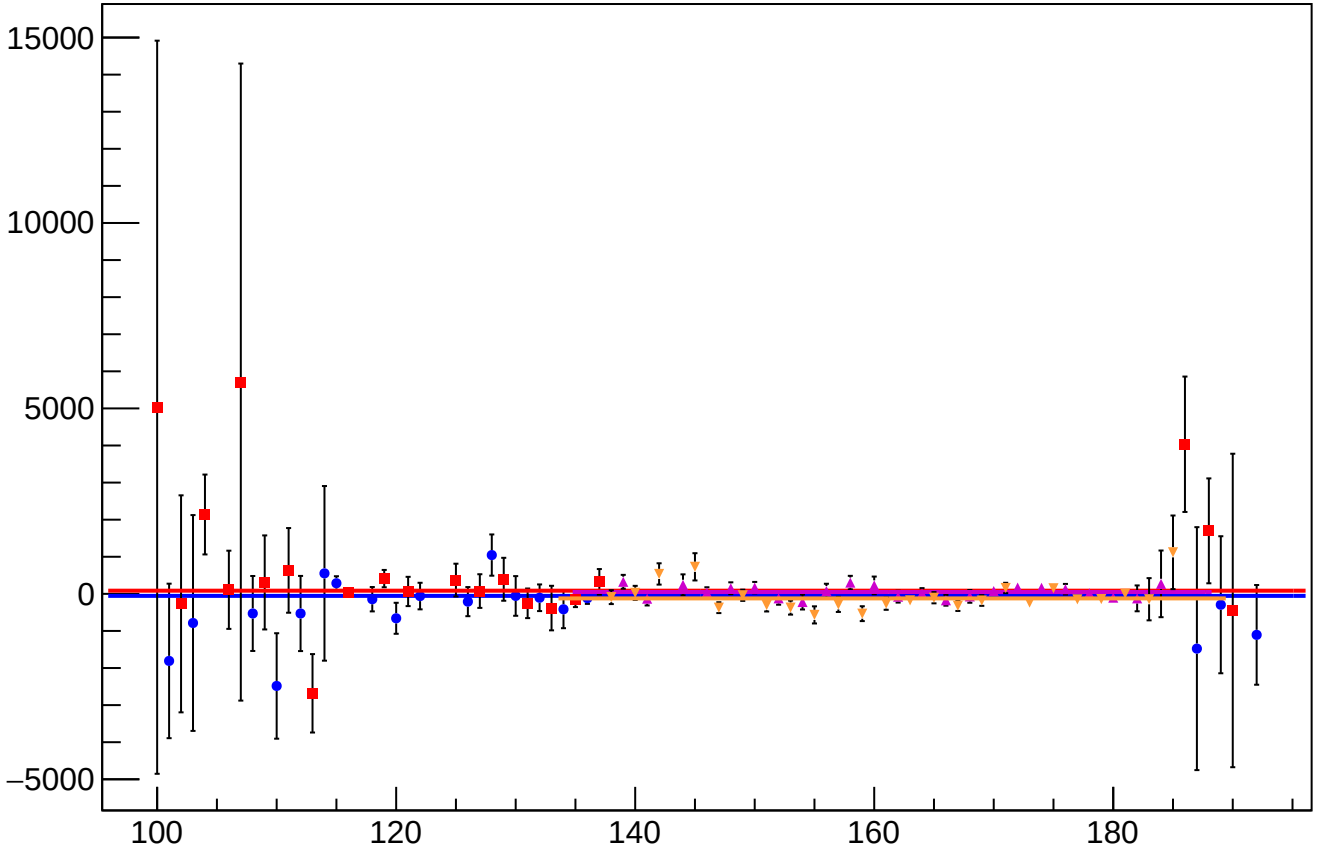
Right: 2297.271+/-0.388 χ^2/NDF: 685232.6/39

In: 2210.243+/-0.301 χ^2/NDF:548111.0/41

Out: 2219.354+/-0.300 χ^2/NDF:203397.3/44

All: 2214.813+/-0.212 χ^2/NDF: 751968.6/86

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: 85.492+/-82.084 χ^2/NDF: 23.4/20

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

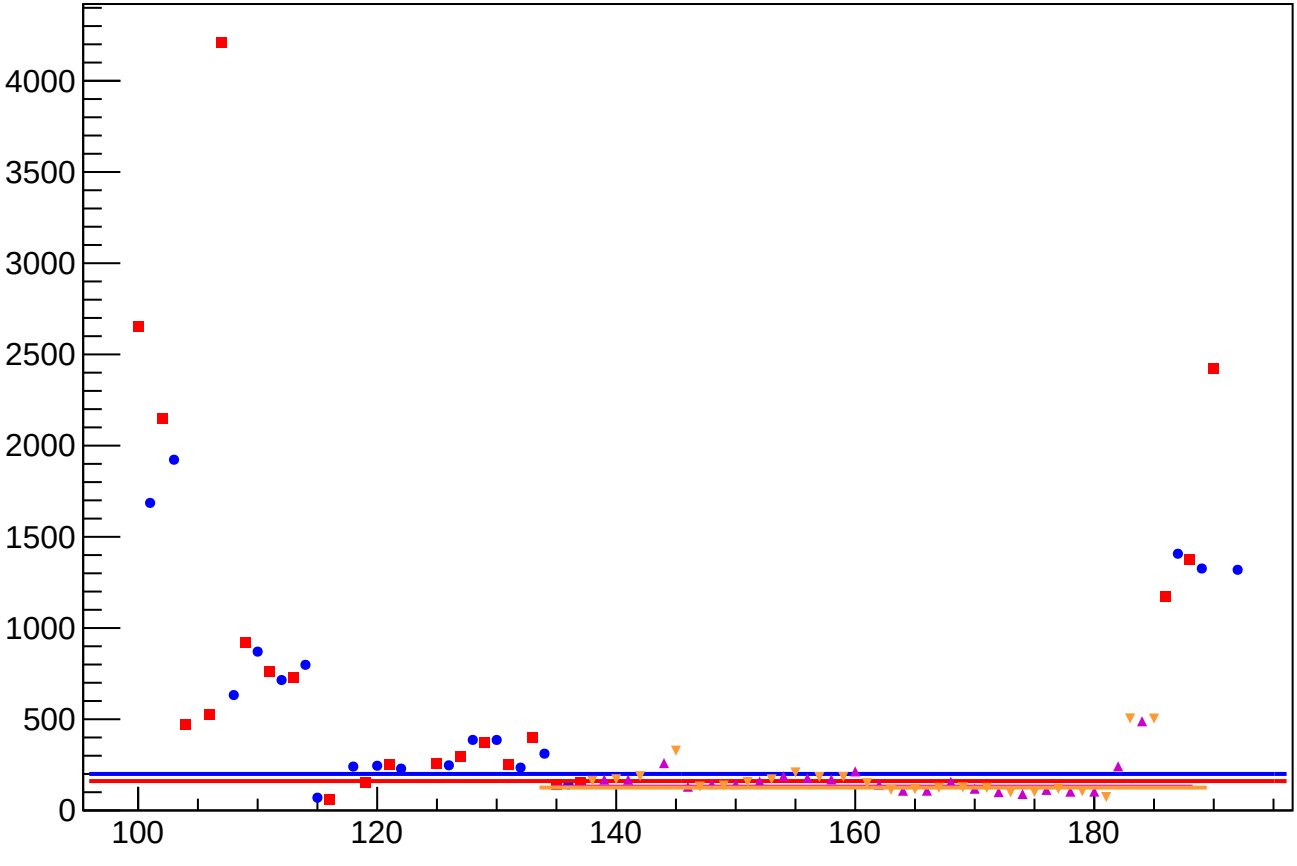
Right: 22.383+/-60.821 χ^2/NDF: 39.9/39

In: 38.239+/-30.630 χ^2/NDF:34.6/41

Out: -96.311+/-29.334 χ^2/NDF:72.8/44

All: -31.943+/-21.186 χ^2/NDF: 117.5/86

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: 161.152+/-0.058 χ^2/NDF: 8785144.7/20

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

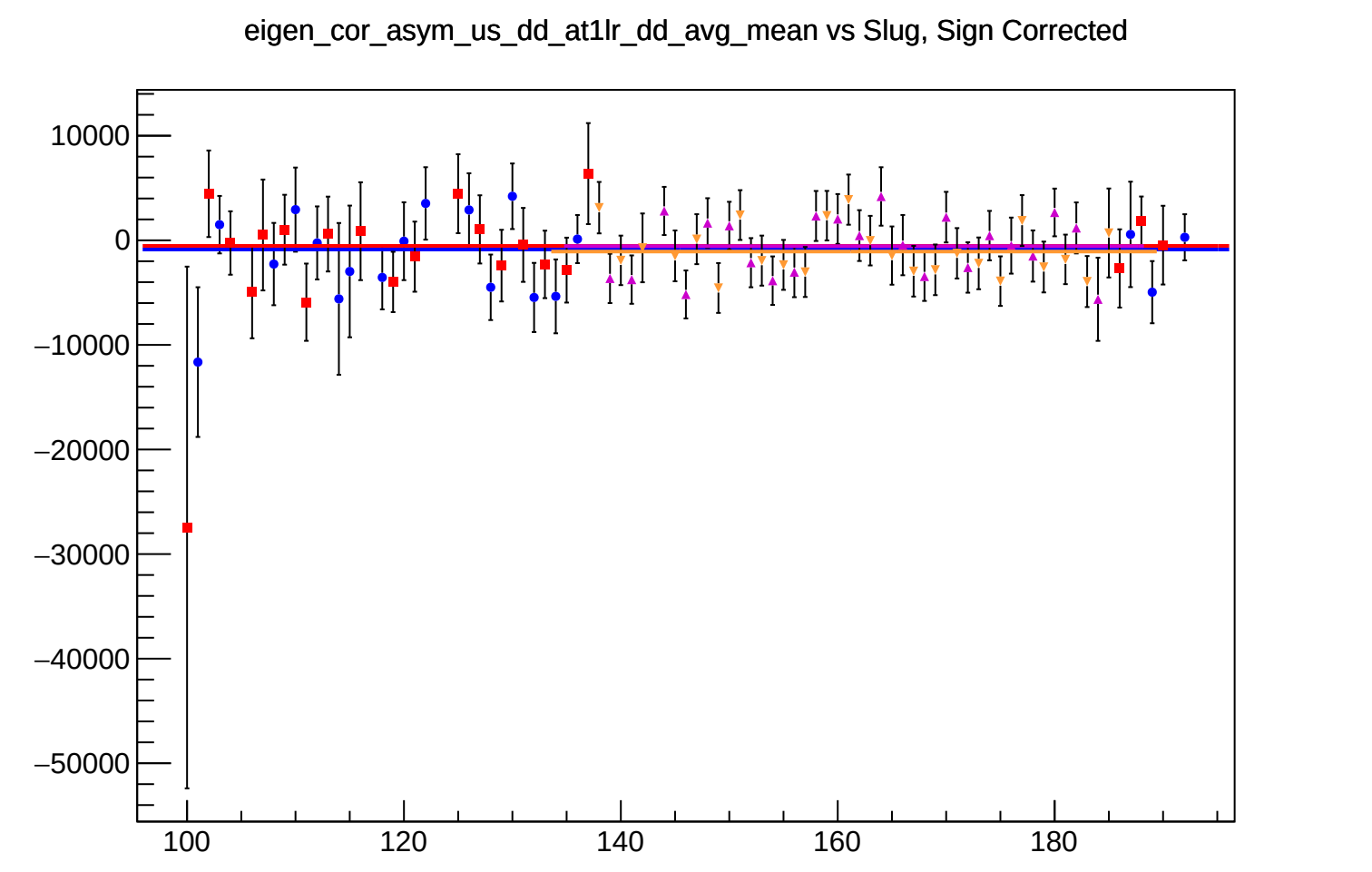
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 178.753+/-0.043 χ^2/NDF: 16471703.7/39

In: 138.426+/-0.022 χ^2/NDF:11211928.7/41

Out: 130.055+/-0.021 χ^2/NDF:13057777.3/44

All: 134.060+/-0.015 χ^2/NDF: 24347625.0/86



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: -530.400+/-778.708 χ^2/NDF: 14.3/20

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

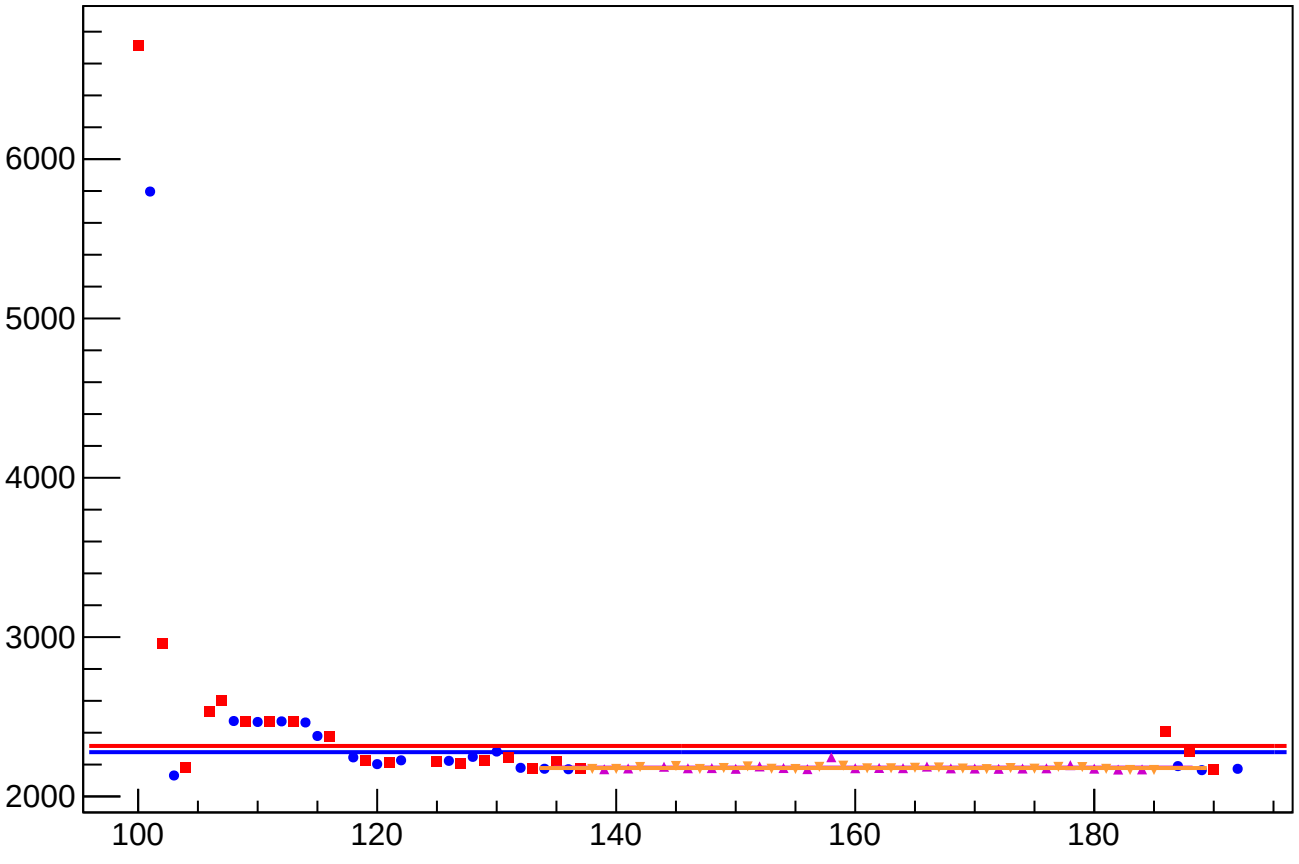
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -705.839+/-548.778 χ^2/NDF: 32.5/39

In: -654.393+/-425.318 χ^2/NDF:46.9/41

Out: -911.977+/-424.018 χ^2/NDF:36.2/44

All: -783.580+/-300.285 χ^2/NDF: 83.3/86



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: 2316.896+/-0.551 χ^2/NDF: 158401.8/20

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

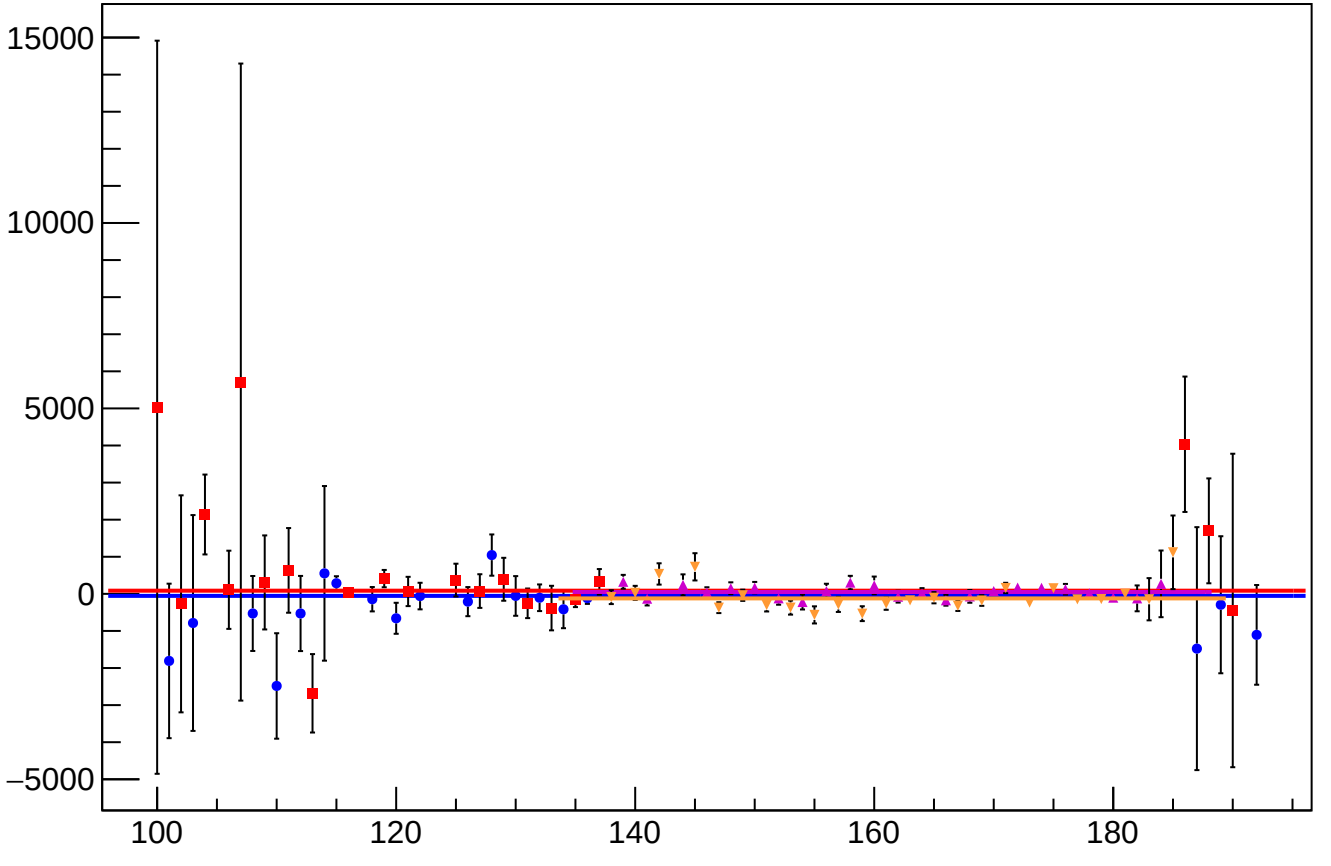
Right: 2297.271+/-0.388 χ^2/NDF: 685232.6/39

In: 2210.243+/-0.301 χ^2/NDF:548111.0/41

Out: 2219.354+/-0.300 χ^2/NDF:203397.3/44

All: 2214.813+/-0.212 χ^2/NDF: 751968.6/86

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: 85.492+/-82.084 χ^2/NDF: 23.4/20

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

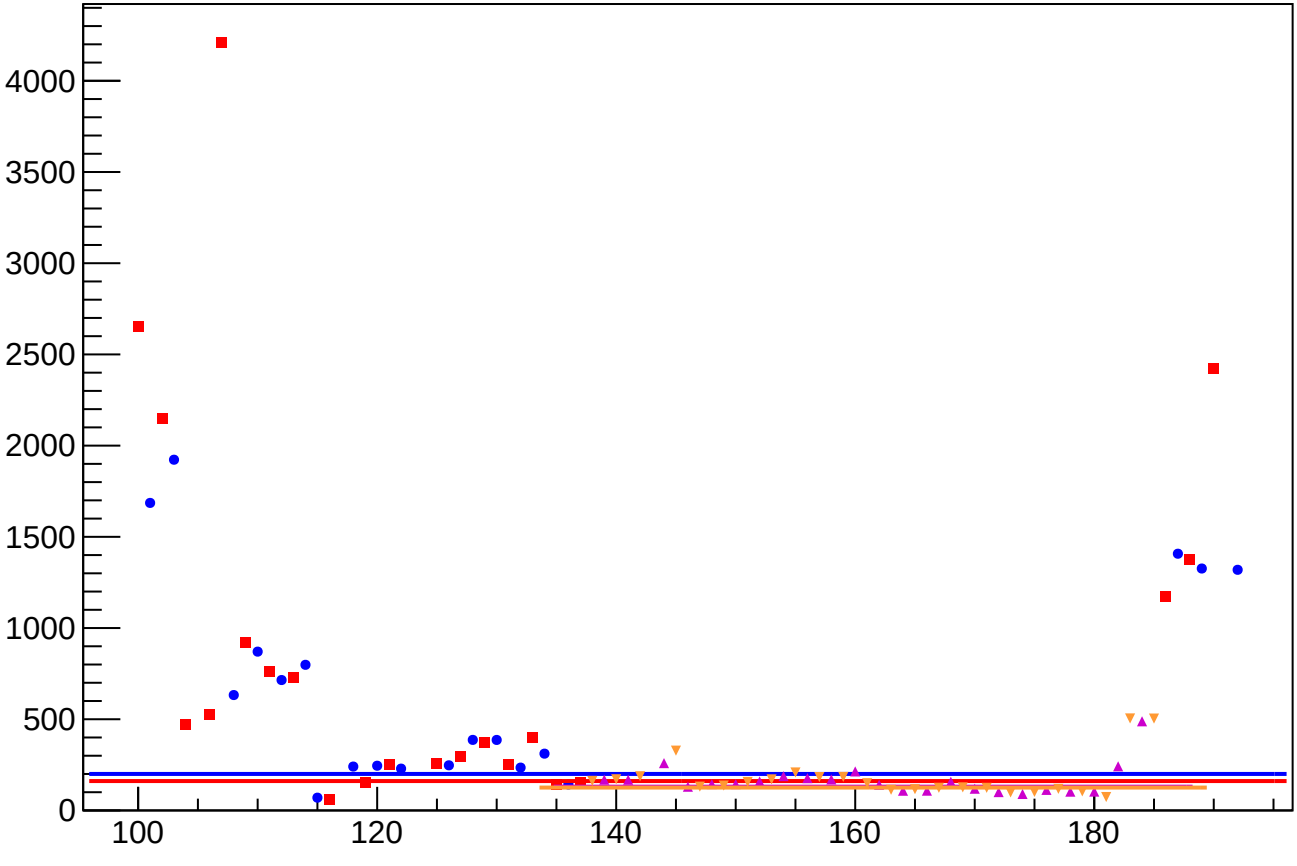
Right: 22.383+/-60.821 χ^2/NDF: 39.9/39

In: 38.239+/-30.630 χ^2/NDF:34.6/41

Out: -96.311+/-29.334 χ^2/NDF:72.8/44

All: -31.943+/-21.186 χ^2/NDF: 117.5/86

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: 161.152+/-0.058 χ^2/NDF: 8785144.7/20

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

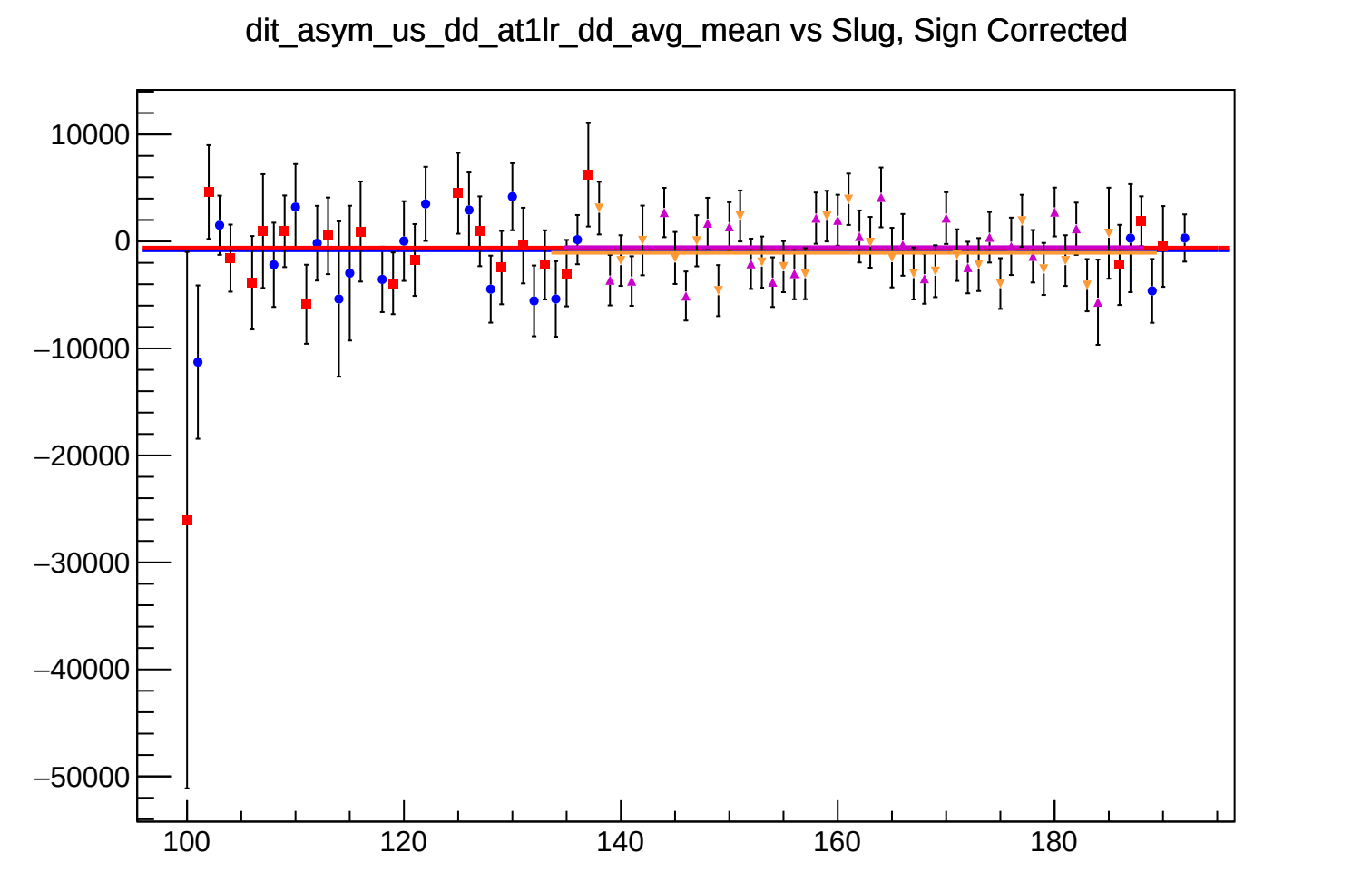
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 178.753+/-0.043 χ^2/NDF: 16471703.7/39

In: 138.426+/-0.022 χ^2/NDF:11211928.7/41

Out: 130.055+/-0.021 χ^2/NDF:13057777.3/44

All: 134.060+/-0.015 χ^2/NDF: 24347625.0/86



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: -579.767+/-781.963 χ^2/NDF: 13.6/20

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

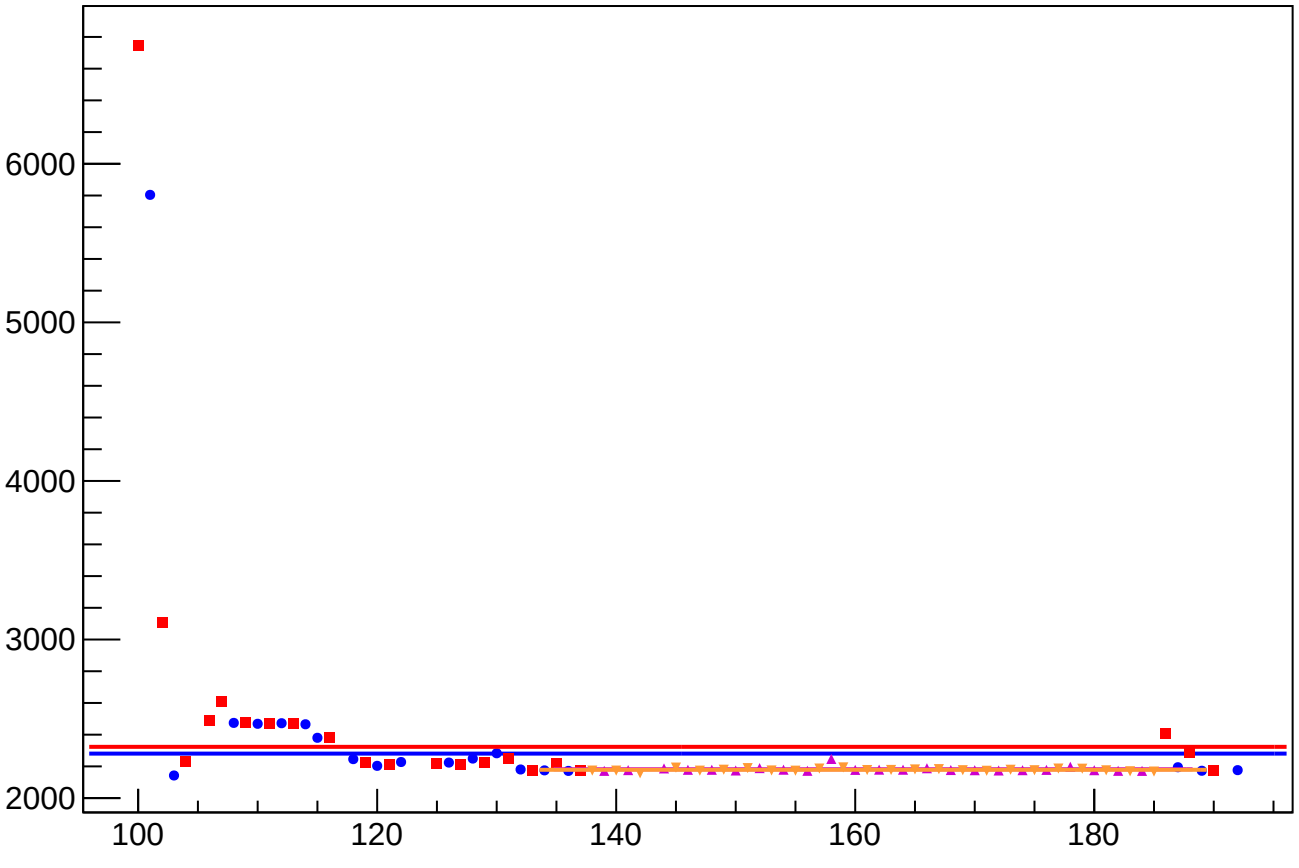
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -705.719+/-550.260 χ^2/NDF: 31.4/39

In: -630.336+/-425.609 χ^2/NDF:45.8/41

Out: -920.083+/-424.596 χ^2/NDF:35.7/44

All: -775.555+/-300.592 χ^2/NDF: 81.7/86



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: 2323.263+/-0.553 χ^2/NDF: 172261.0/20

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

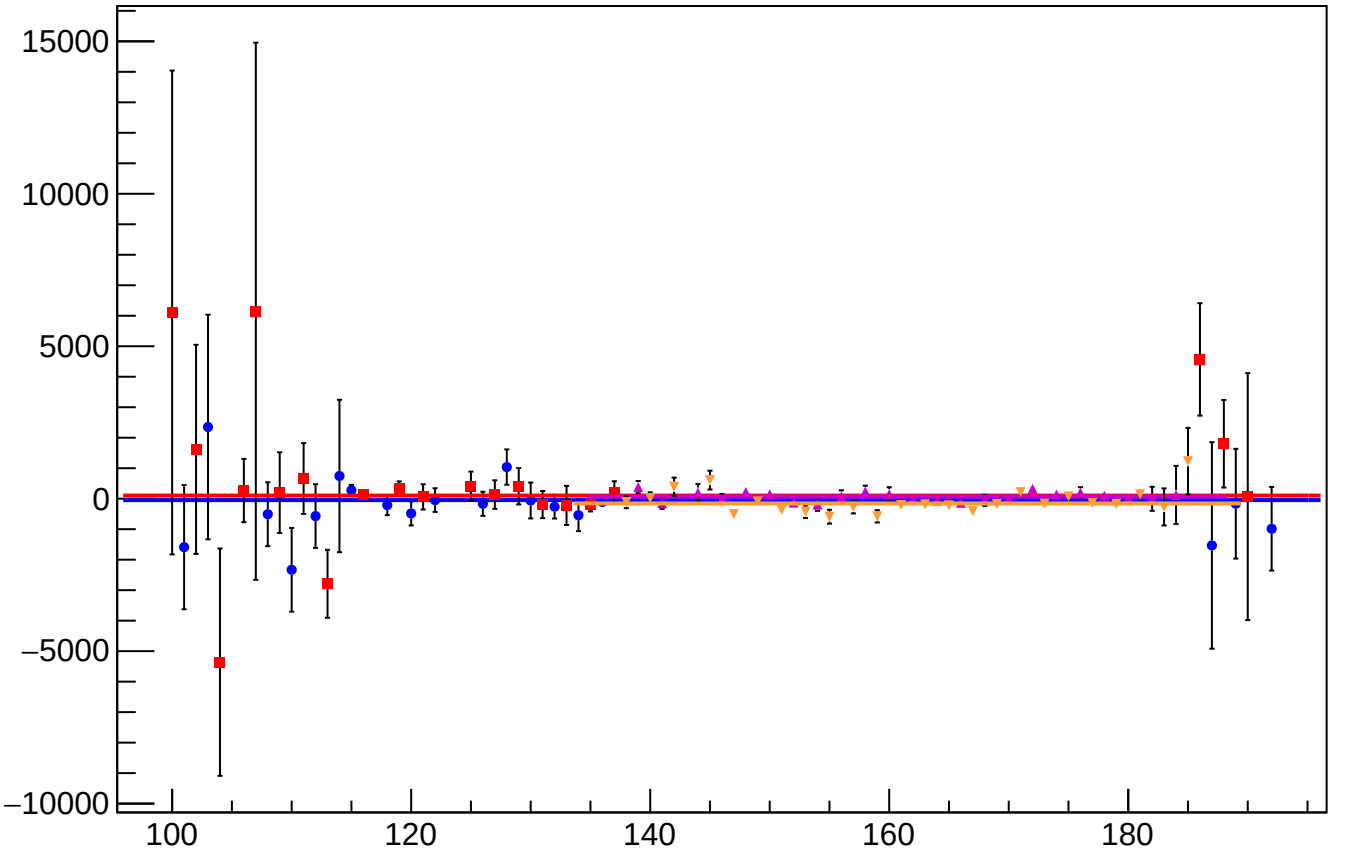
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2301.712+/-0.389 χ^2/NDF: 698758.7/39

In: 2211.688+/-0.301 χ^2/NDF:547996.0/41

Out: 2221.184+/-0.300 χ^2/NDF:221050.2/44

All: 2216.447+/-0.213 χ^2/NDF: 769545.1/86



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: 102.208+/-85.821 χ^2/NDF: 22.3/20

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

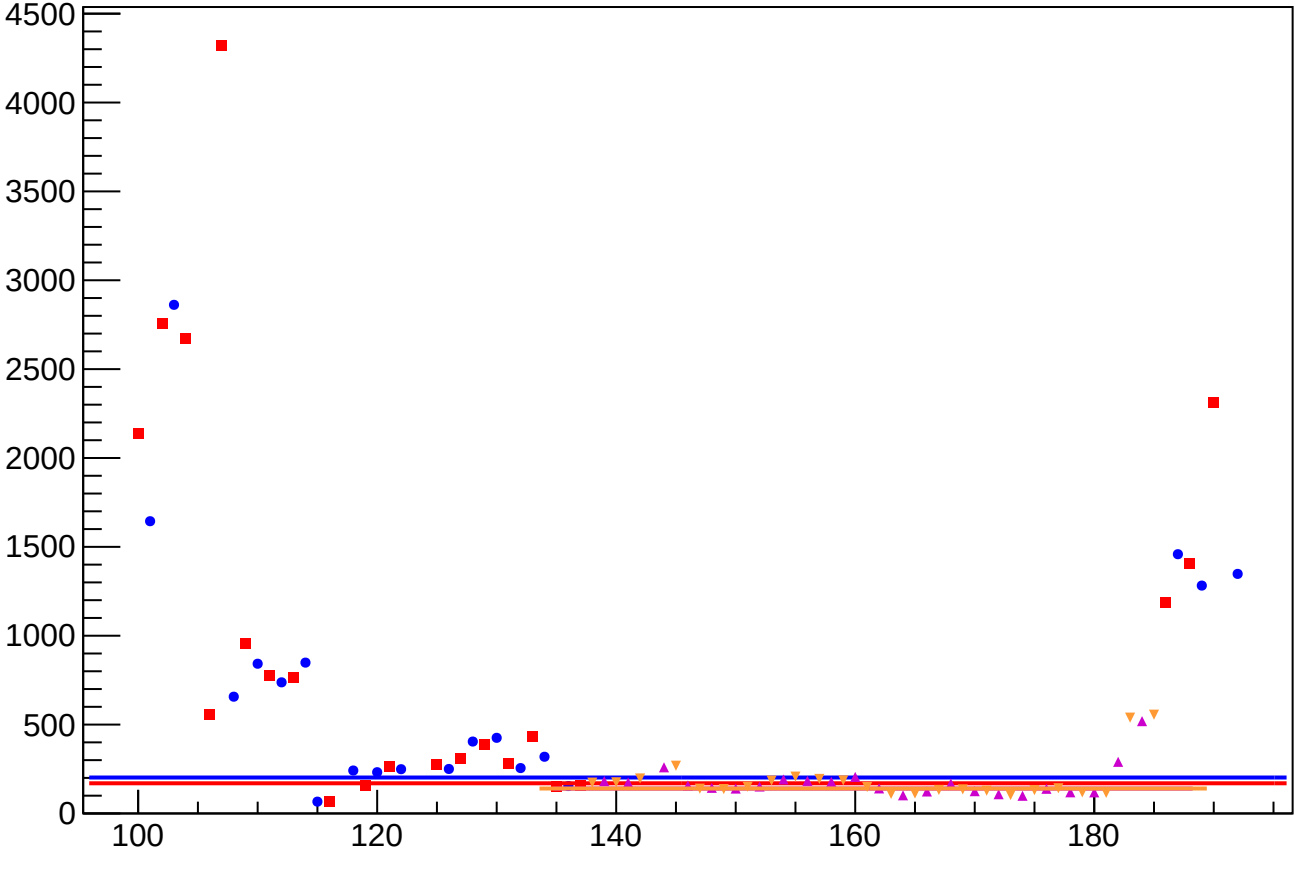
Right: 33.372+/-62.770 χ^2/NDF: 38.4/39

In: 56.073+/-32.062 χ^2/NDF:35.1/41

Out: -119.762+/-31.658 χ^2/NDF:77.3/44

All: -32.959+/-22.527 χ^2/NDF: 127.6/86

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: 169.727+/-0.061 χ^2/NDF: 9728071.2/20

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

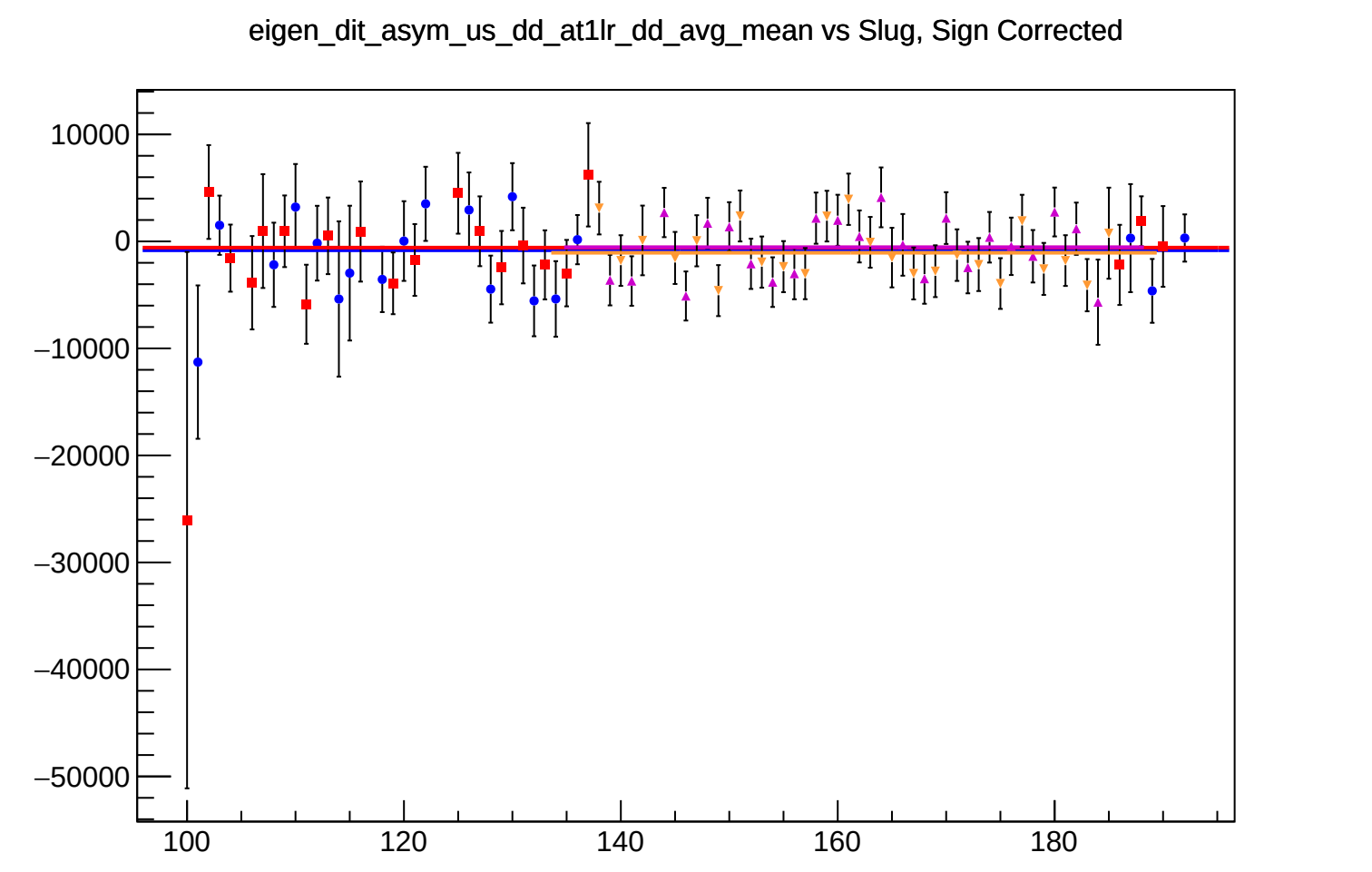
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 184.846+/-0.044 χ^2/NDF: 17888957.8/39

In: 147.533+/-0.023 χ^2/NDF:11243873.7/41

Out: 144.320+/-0.022 χ^2/NDF:12691236.9/44

All: 145.906+/-0.016 χ^2/NDF: 23945276.0/86



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: -579.766+/-781.963 χ^2/NDF: 13.6/20

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

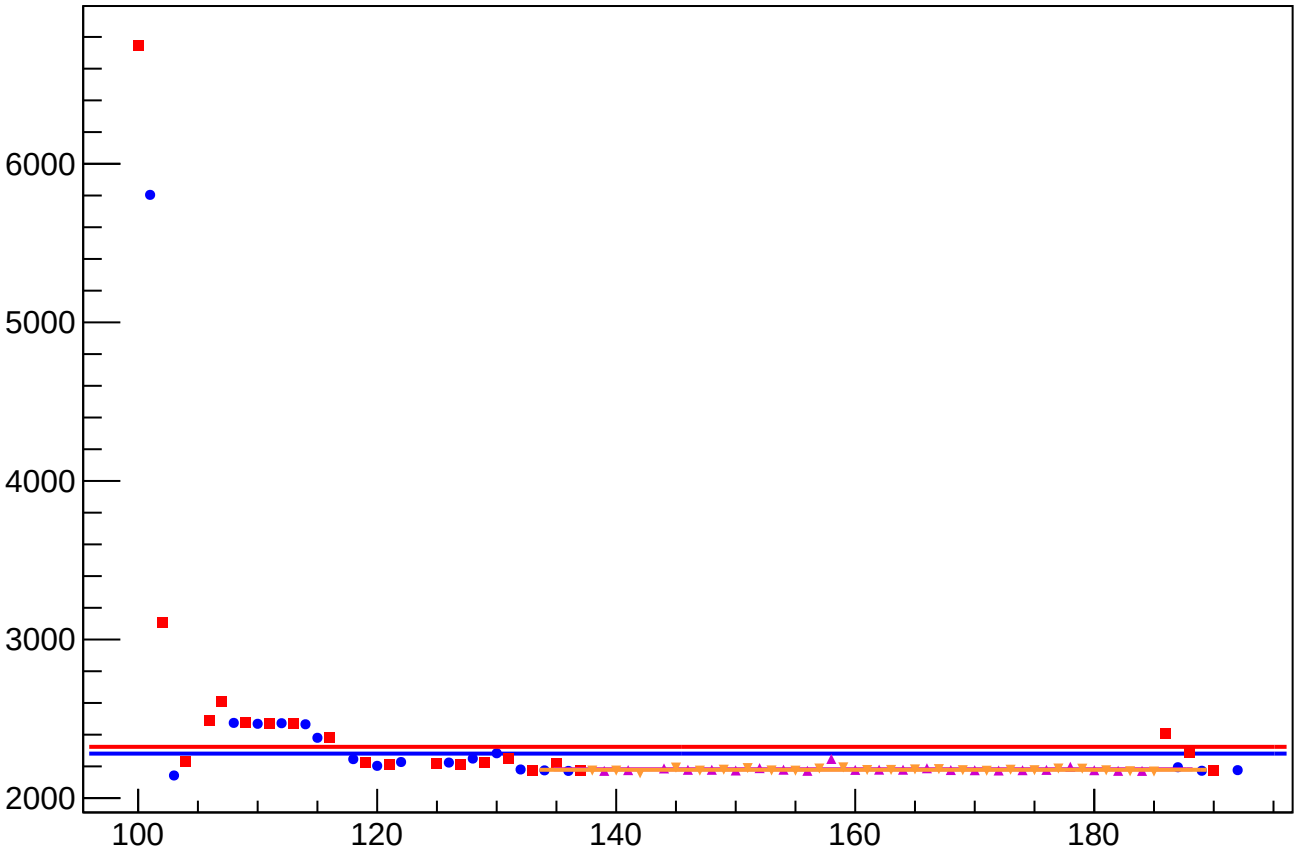
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -705.720+/-550.260 χ^2/NDF: 31.4/39

In: -630.335+/-425.609 χ^2/NDF:45.8/41

Out: -920.084+/-424.596 χ^2/NDF:35.7/44

All: -775.555+/-300.592 χ^2/NDF: 81.7/86



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: 2323.263+/-0.553 χ^2/NDF: 172260.9/20

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

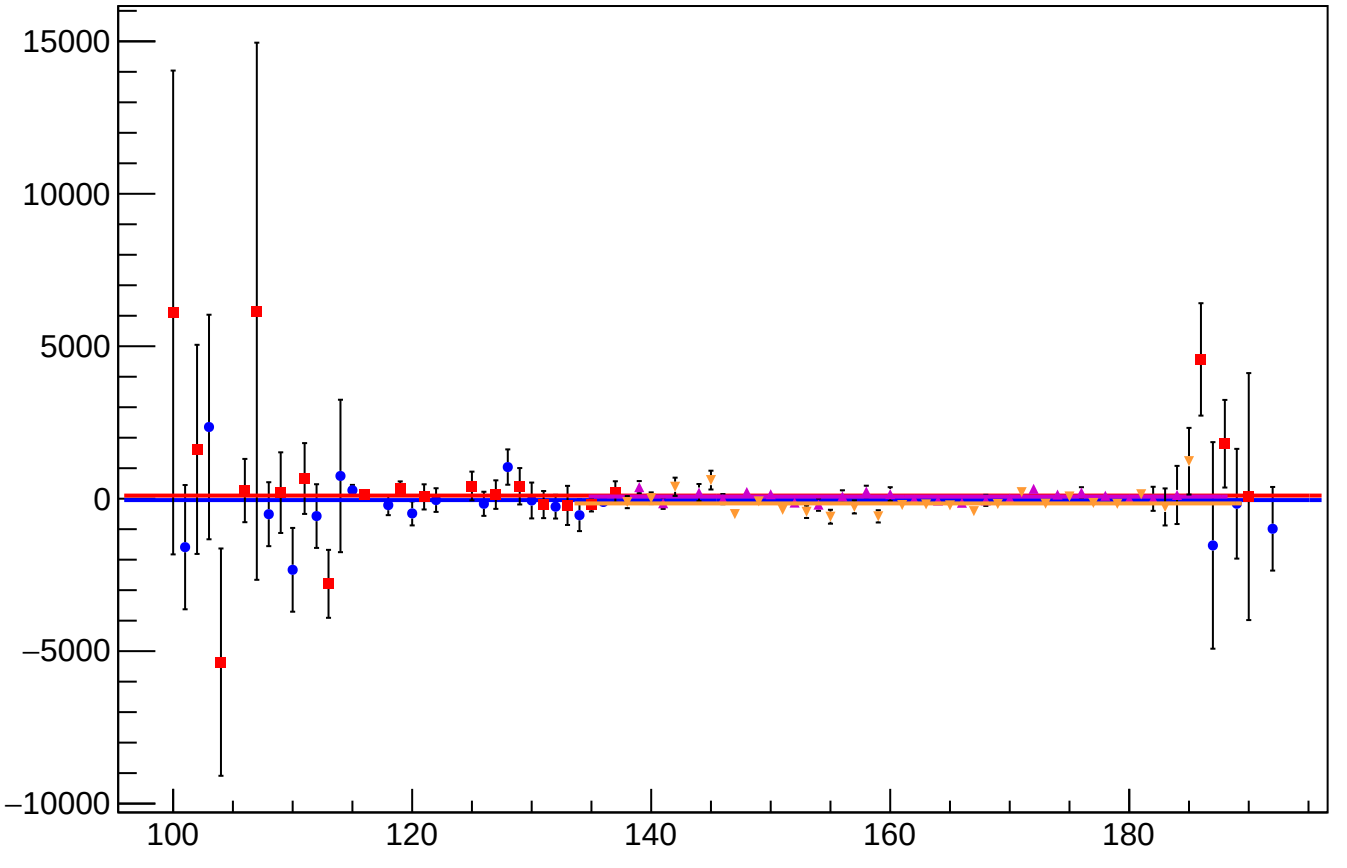
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2301.712+/-0.389 χ^2/NDF: 698758.6/39

In: 2211.688+/-0.301 χ^2/NDF:547996.0/41

Out: 2221.184+/-0.300 χ^2/NDF:221050.1/44

All: 2216.447+/-0.213 χ^2/NDF: 769545.0/86



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: 102.208+/-85.820 χ^2/NDF: 22.3/20

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

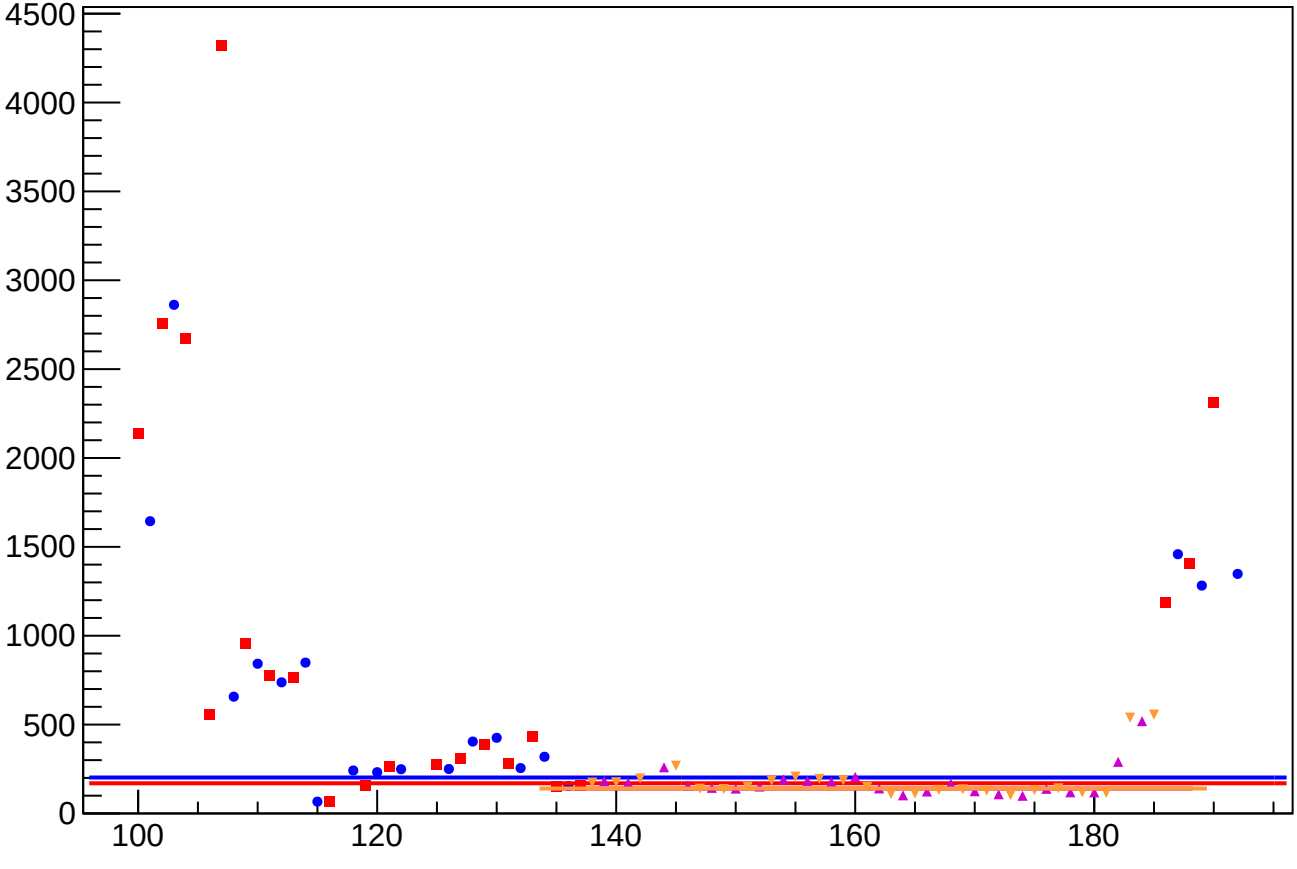
Right: 33.374+/-62.769 χ^2/NDF: 38.4/39

In: 56.072+/-32.062 χ^2/NDF:35.1/41

Out: -119.762+/-31.659 χ^2/NDF:77.3/44

All: -32.959+/-22.527 χ^2/NDF: 127.6/86

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: 169.724+/-0.061 χ^2/NDF: 9728139.2/20

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

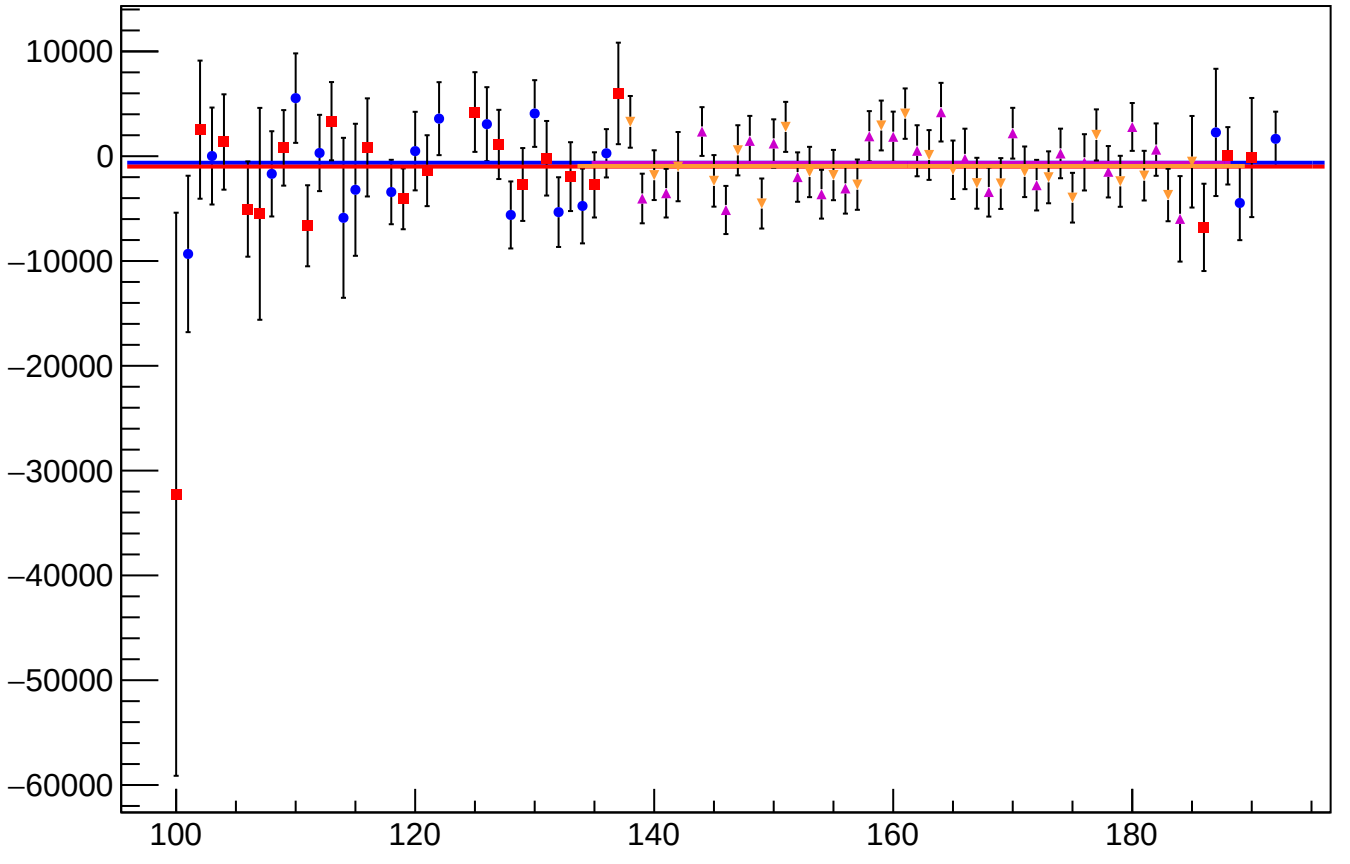
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 184.844+/-0.044 χ^2/NDF: 17889074.4/39

In: 147.533+/-0.023 χ^2/NDF:11243919.9/41

Out: 144.321+/-0.022 χ^2/NDF:12691266.5/44

All: 145.906+/-0.016 χ^2/NDF: 23945351.3/86



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: -991.747+/-850.827 χ^2/NDF: 15.1/20

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

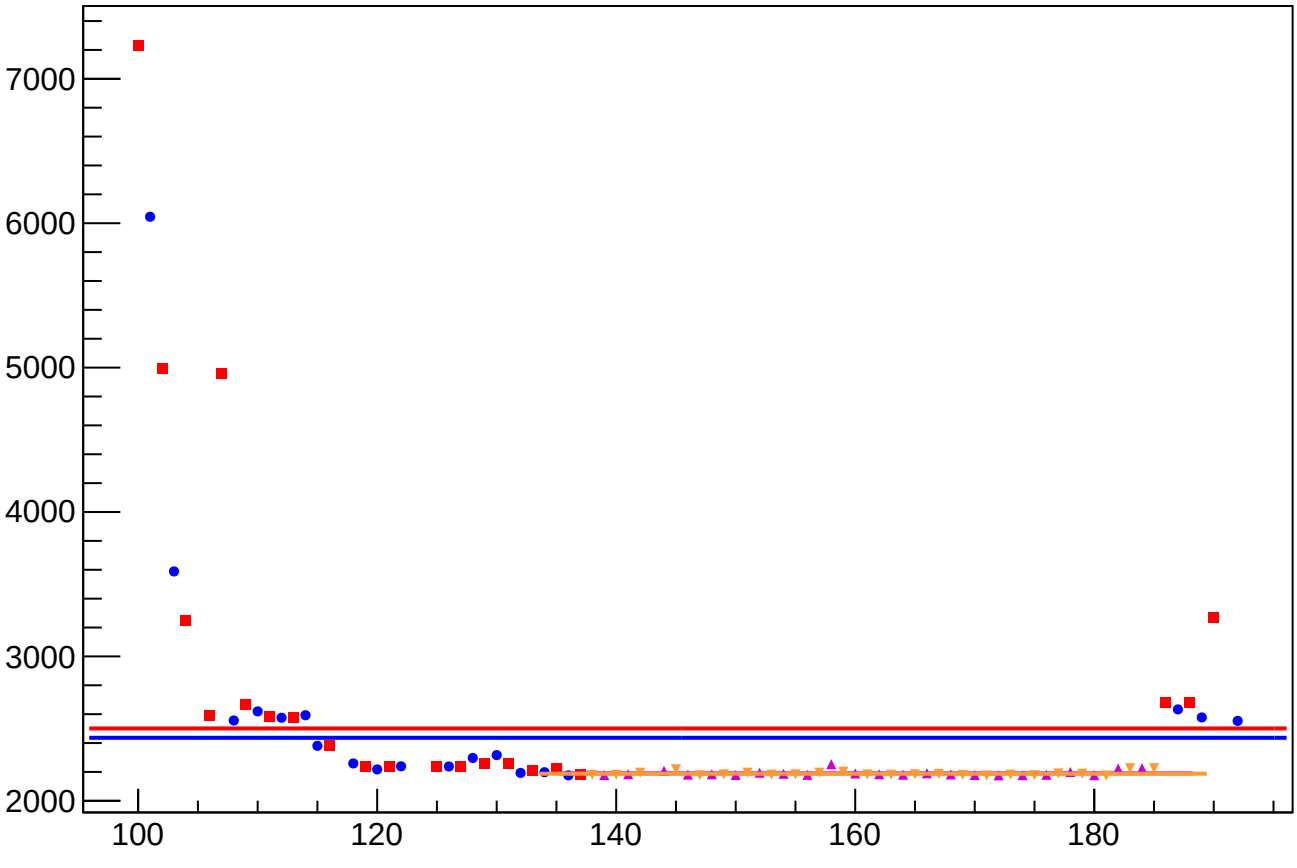
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -803.871+/-594.651 χ^2/NDF: 33.1/39

In: -637.747+/-435.580 χ^2/NDF:45.0/41

Out: -947.690+/-435.991 χ^2/NDF:37.5/44

All: -792.572+/-308.147 χ^2/NDF: 82.7/86



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: 2501.113+/-0.602 χ^2/NDF: 688006.5/20

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

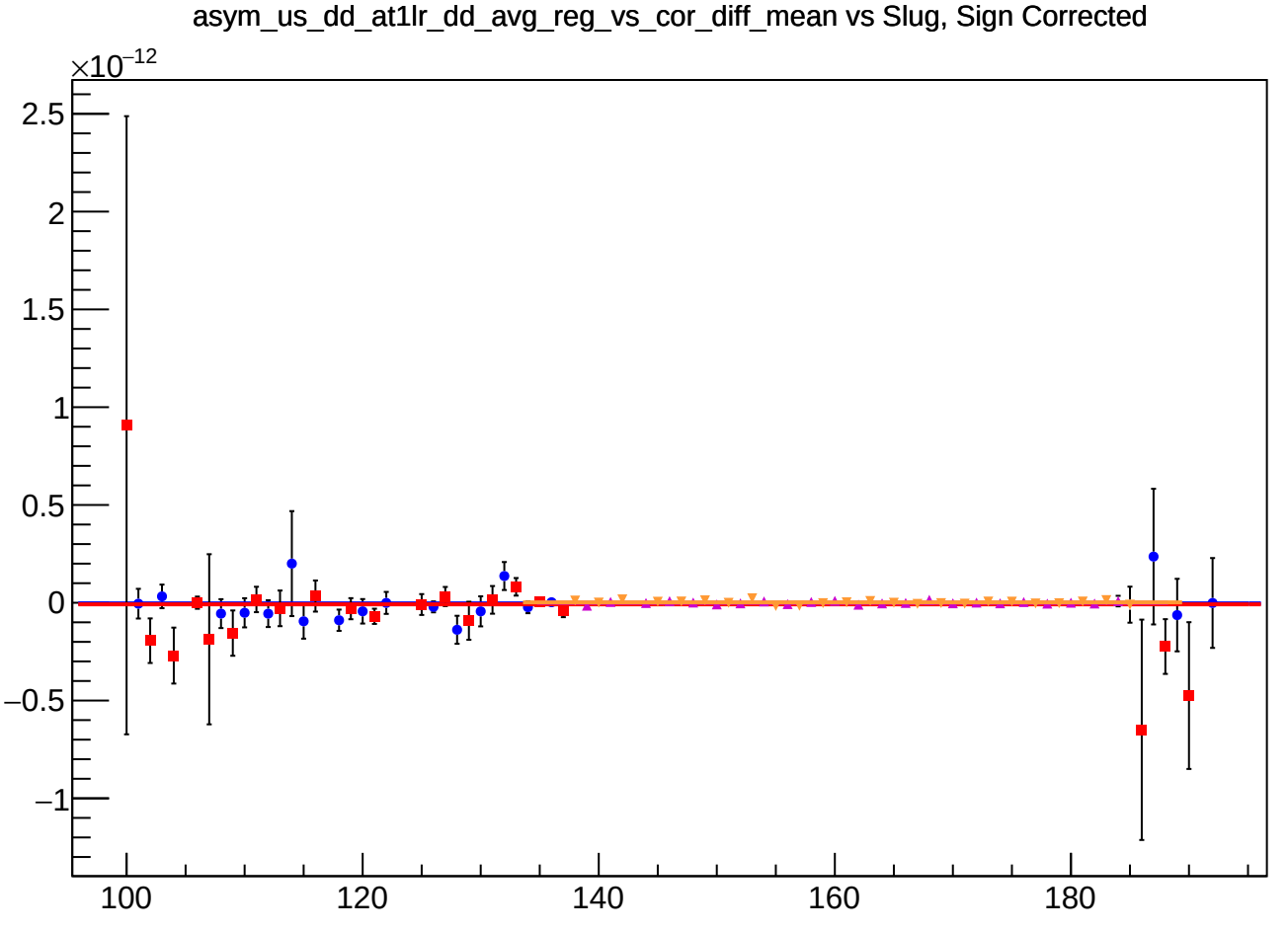
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2467.965+/-0.420 χ^2/NDF: 1382112.8/39

In: 2257.721+/-0.308 χ^2/NDF:817896.2/41

Out: 2269.939+/-0.308 χ^2/NDF:889573.1/44

All: 2263.824+/-0.218 χ^2/NDF: 1708255.4/86



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: 24.1/20

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

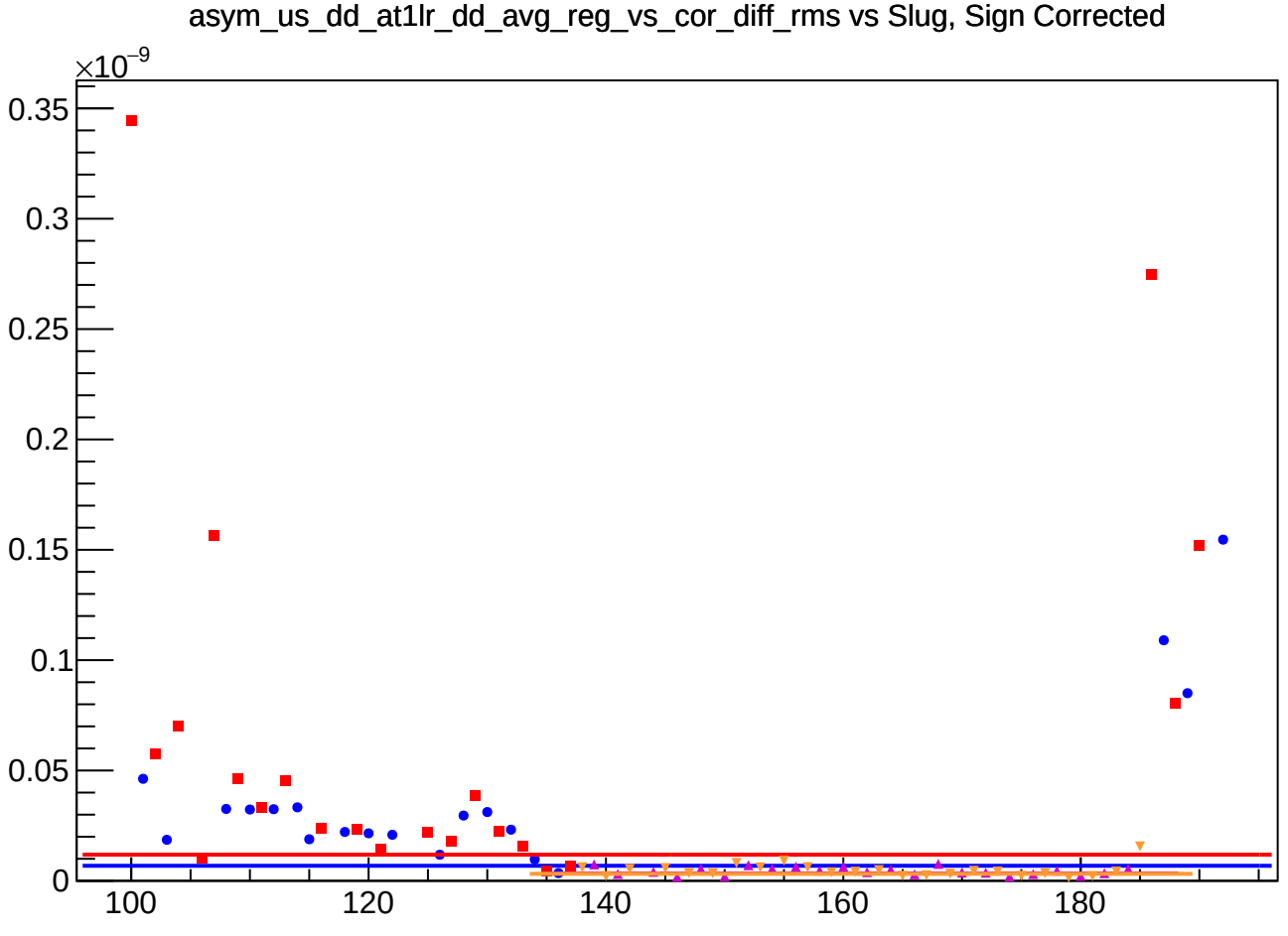
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 40.5/39

In: -0.000+/-0.000 χ^2/NDF:29.7/41

Out: 0.000+/-0.000 χ^2/NDF:44.6/44

All: 0.000+/-0.000 χ^2/NDF: 75.2/86



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: 3900727.2/20

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

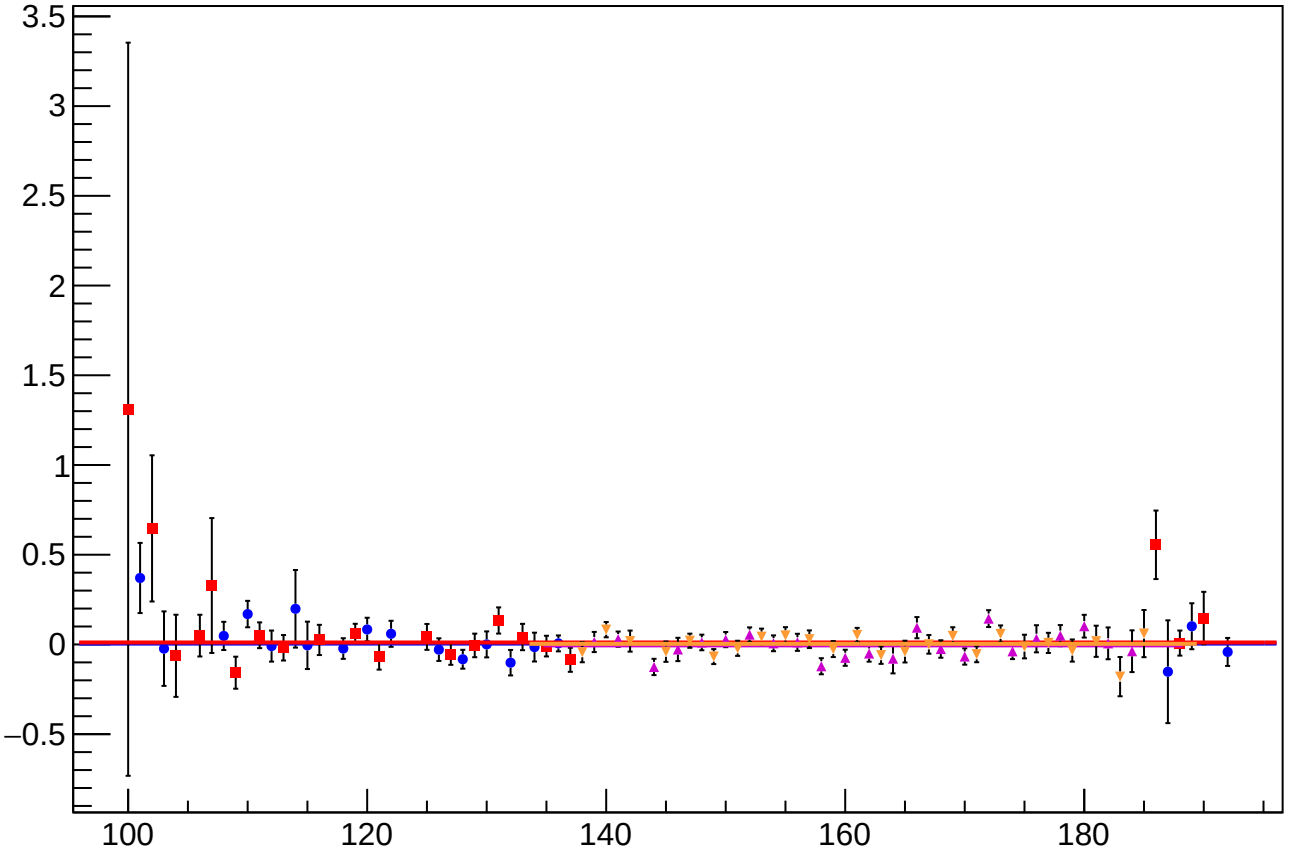
Right: 0.000+/-0.000 χ^2/NDF: 8492306.6/39

In: 0.000+/-0.000 χ^2/NDF:6481722.3/41

Out: 0.000+/-0.000 χ^2/NDF:7518074.3/44

All: 0.000+/-0.000 χ^2/NDF: 14022429.5/86

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: 0.011+/-0.018 χ^2/NDF: 25.4/20

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

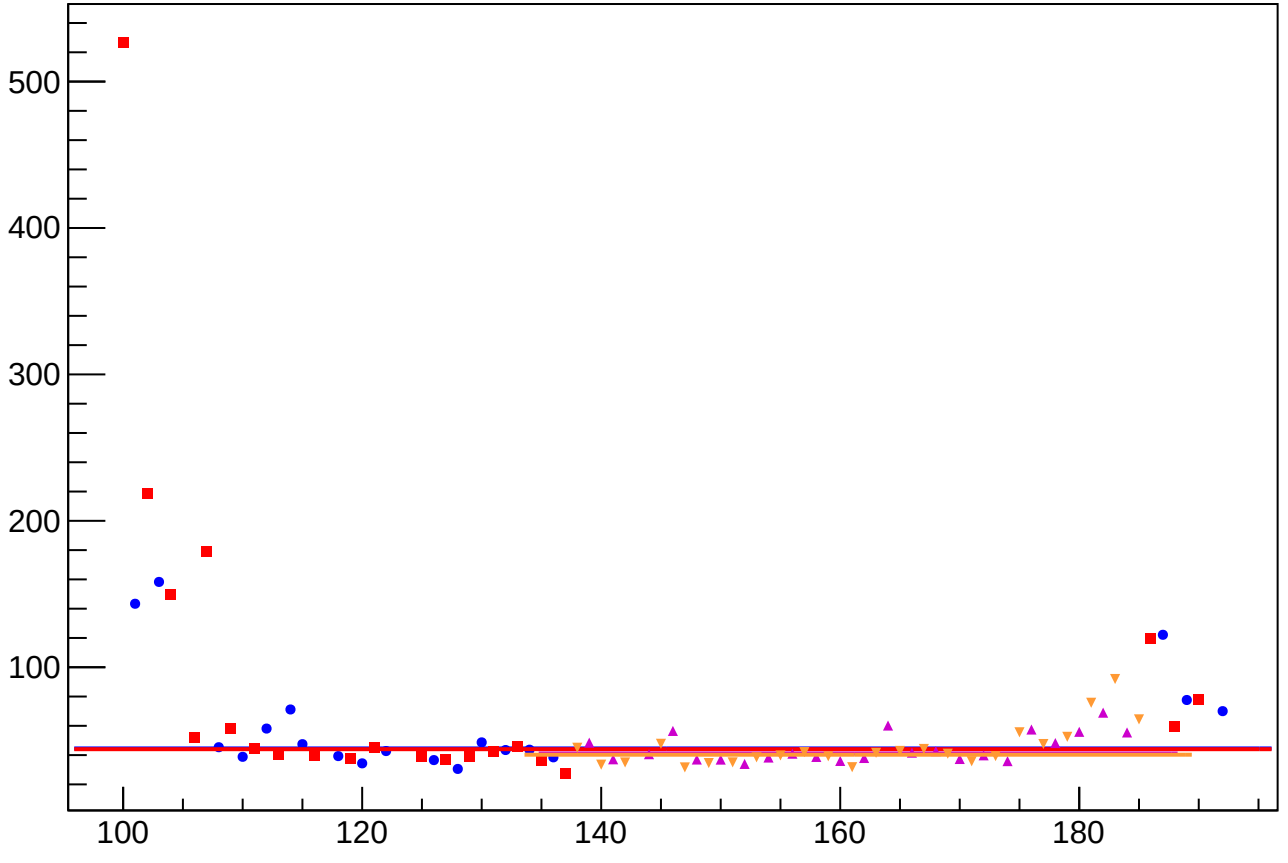
Right: 0.008+/-0.012 χ^2/NDF: 43.9/39

In: -0.003+/-0.009 χ^2/NDF:60.1/41

Out: 0.005+/-0.009 χ^2/NDF:47.4/44

All: 0.001+/-0.006 χ^2/NDF: 107.9/86

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: 44.042+/-0.013 χ^2/NDF: 1991234.5/20

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

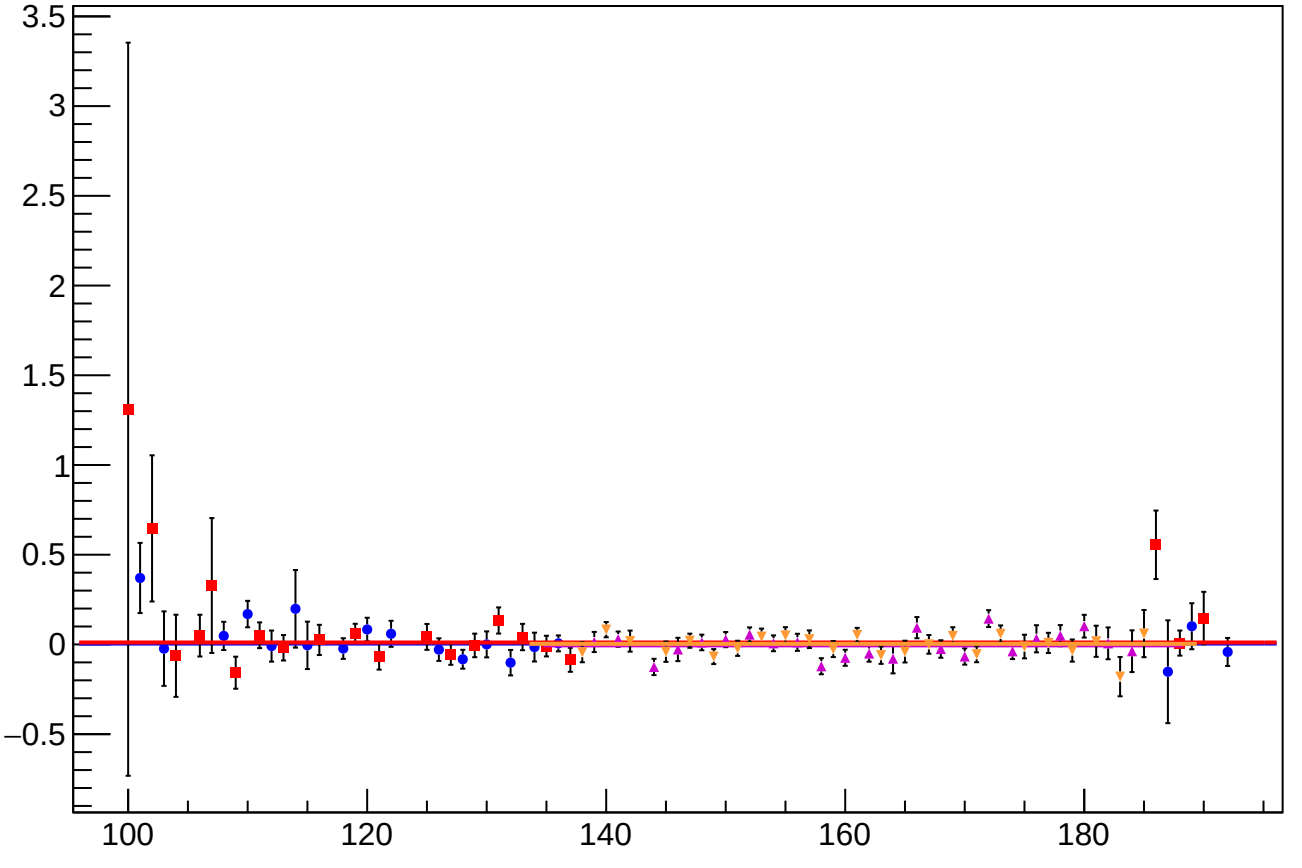
Right: 44.297+/-0.009 χ^2/NDF: 3973783.9/39

In: 42.001+/-0.006 χ^2/NDF:2965675.8/41

Out: 41.235+/-0.006 χ^2/NDF:3547392.8/44

All: 41.614+/-0.005 χ^2/NDF: 6520314.5/86

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: 0.011+/-0.018 χ^2/NDF: 25.4/20

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

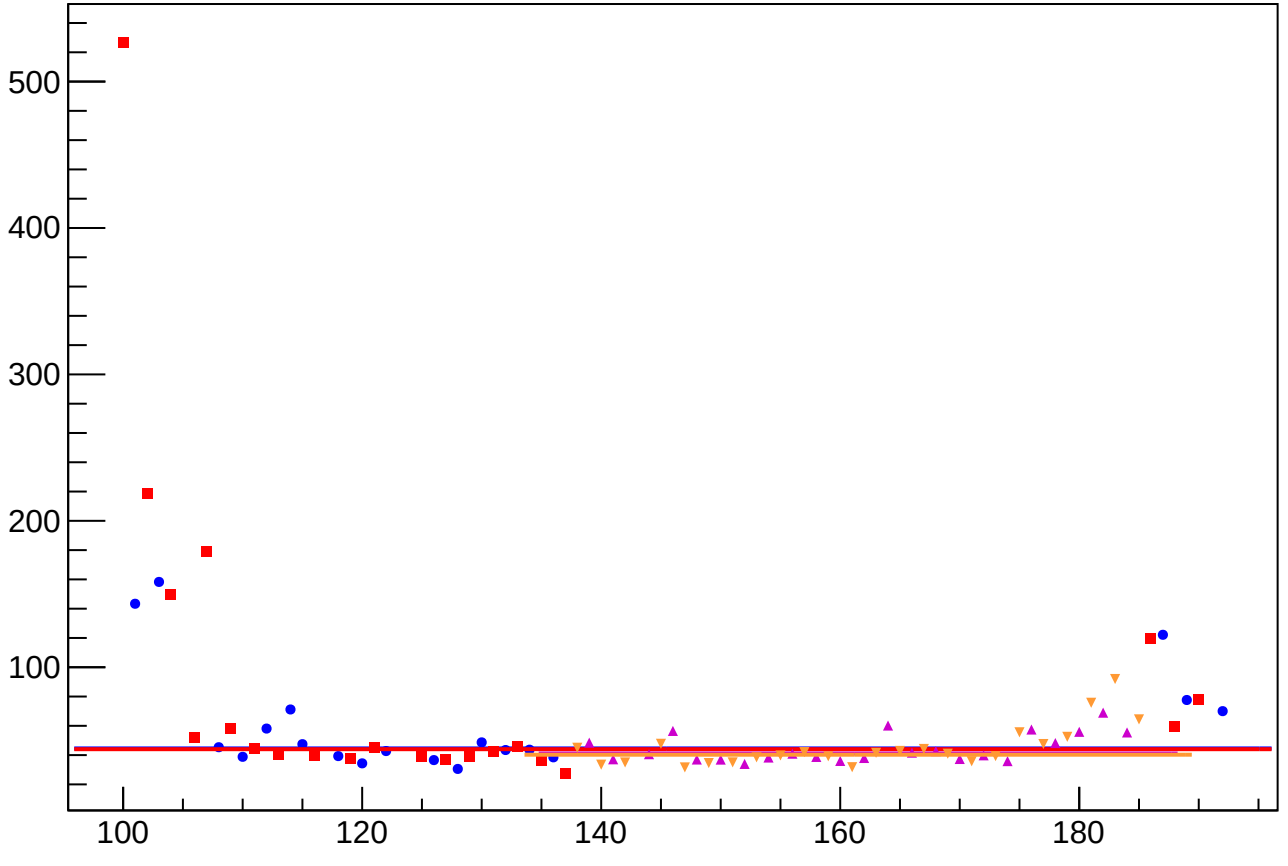
Right: 0.008+/-0.012 χ^2/NDF: 43.9/39

In: -0.003+/-0.009 χ^2/NDF:60.1/41

Out: 0.005+/-0.009 χ^2/NDF:47.4/44

All: 0.001+/-0.006 χ^2/NDF: 107.9/86

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: 44.042+/-0.013 χ^2/NDF: 1991234.5/20

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

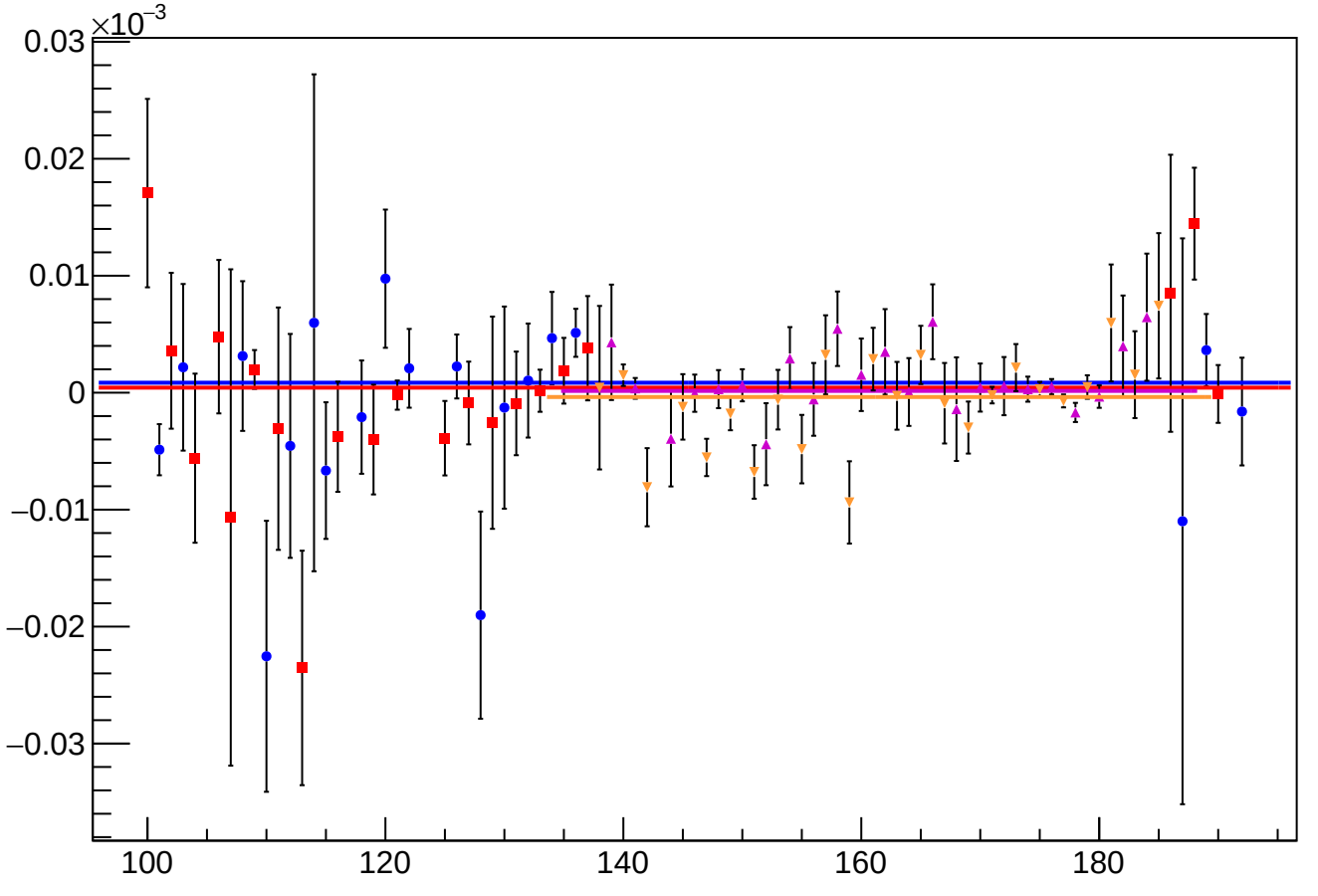
Right: 44.297+/-0.009 χ^2/NDF: 3973783.9/39

In: 42.001+/-0.006 χ^2/NDF:2965675.8/41

Out: 41.235+/-0.006 χ^2/NDF:3547392.8/44

All: 41.614+/-0.005 χ^2/NDF: 6520314.5/86

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/20

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

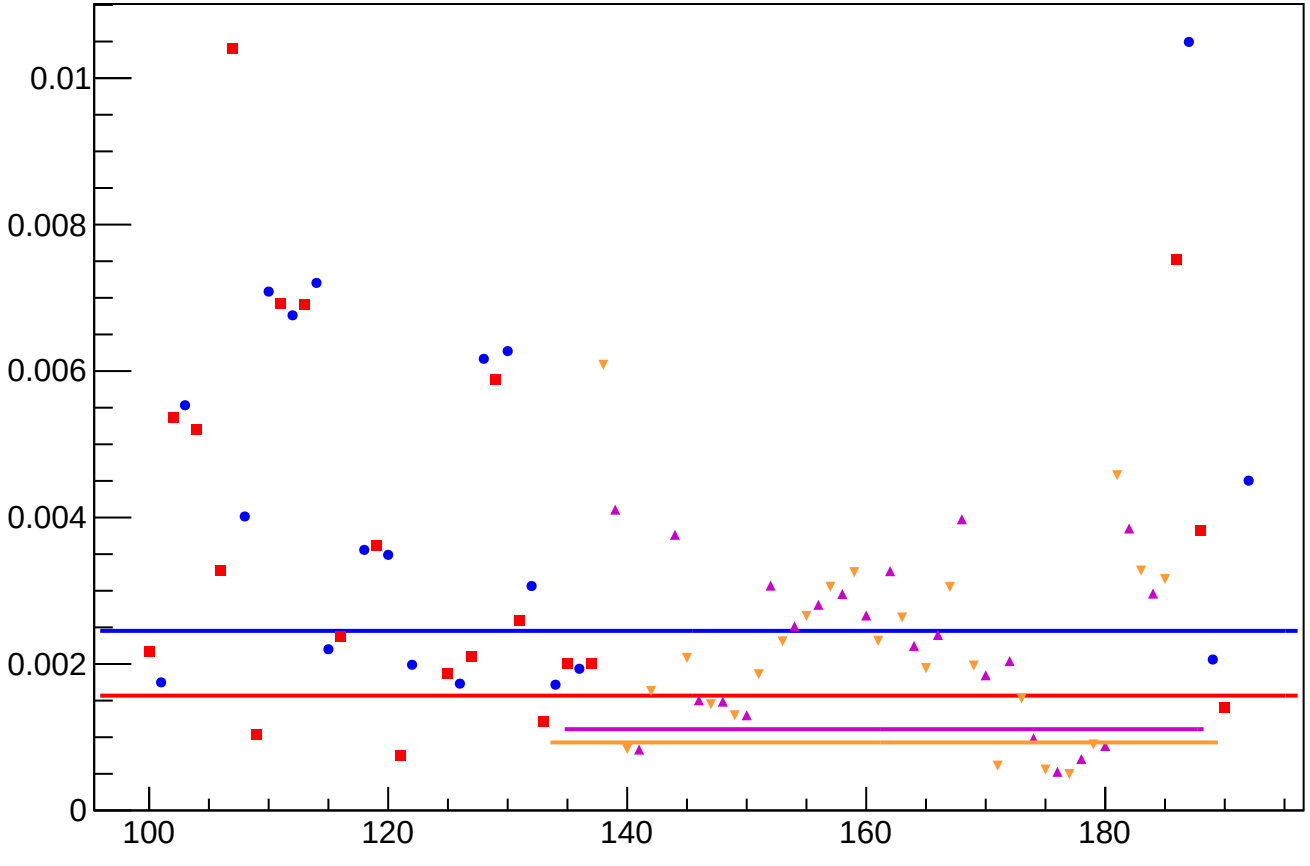
Right: 0.000+/-0.000 χ^2/NDF: 54.7/39

In: 0.000+/-0.000 χ^2/NDF:48.2/41

Out: -0.000+/-0.000 χ^2/NDF:79.1/44

All: -0.000+/-0.000 χ^2/NDF: 128.8/86

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: 5976512.3/20

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

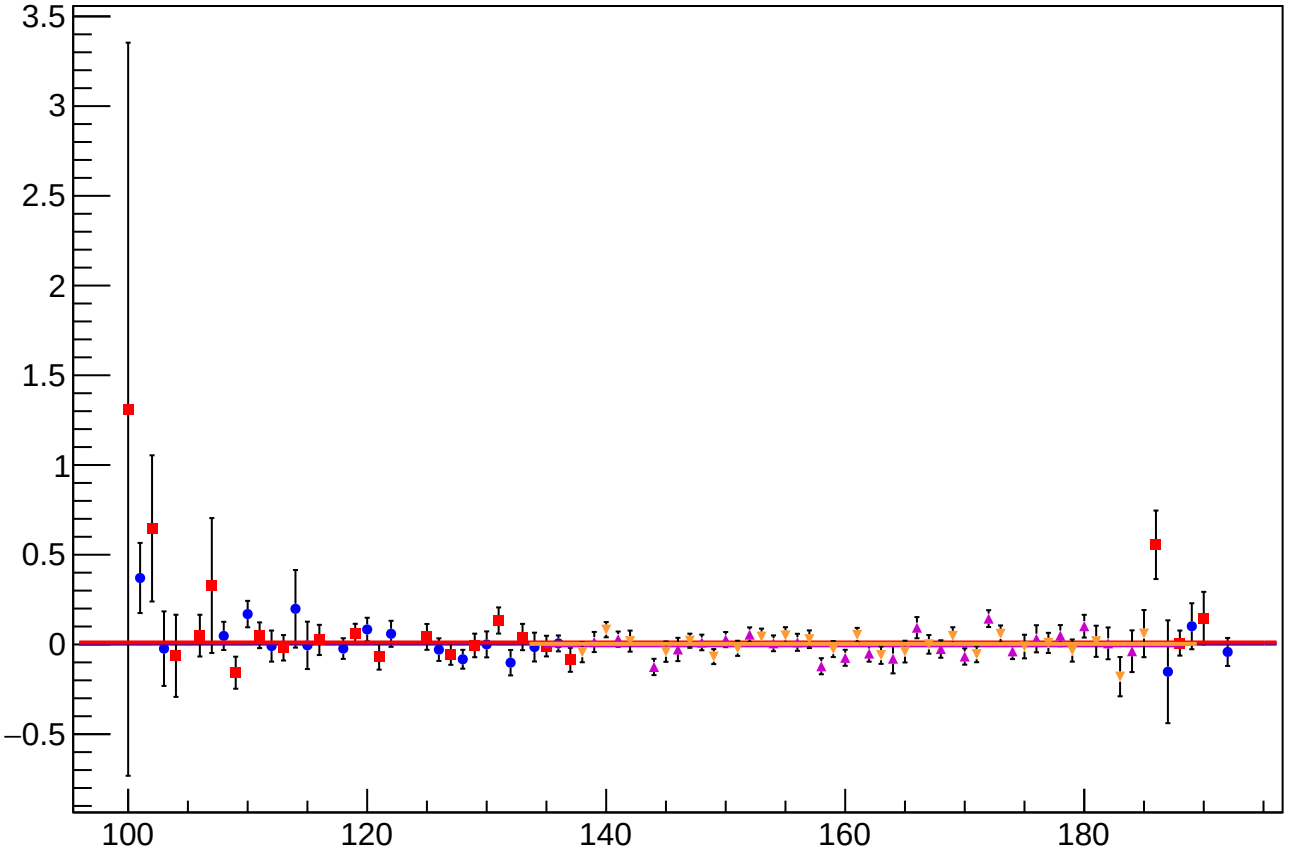
Right: 0.002+/-0.000 χ^2/NDF: 10618127.0/39

In: 0.001+/-0.000 χ^2/NDF:18043420.5/41

Out: 0.001+/-0.000 χ^2/NDF:20043145.7/44

All: 0.001+/-0.000 χ^2/NDF: 38741199.3/86

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: 0.011+/-0.018 χ^2/NDF: 25.4/20

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

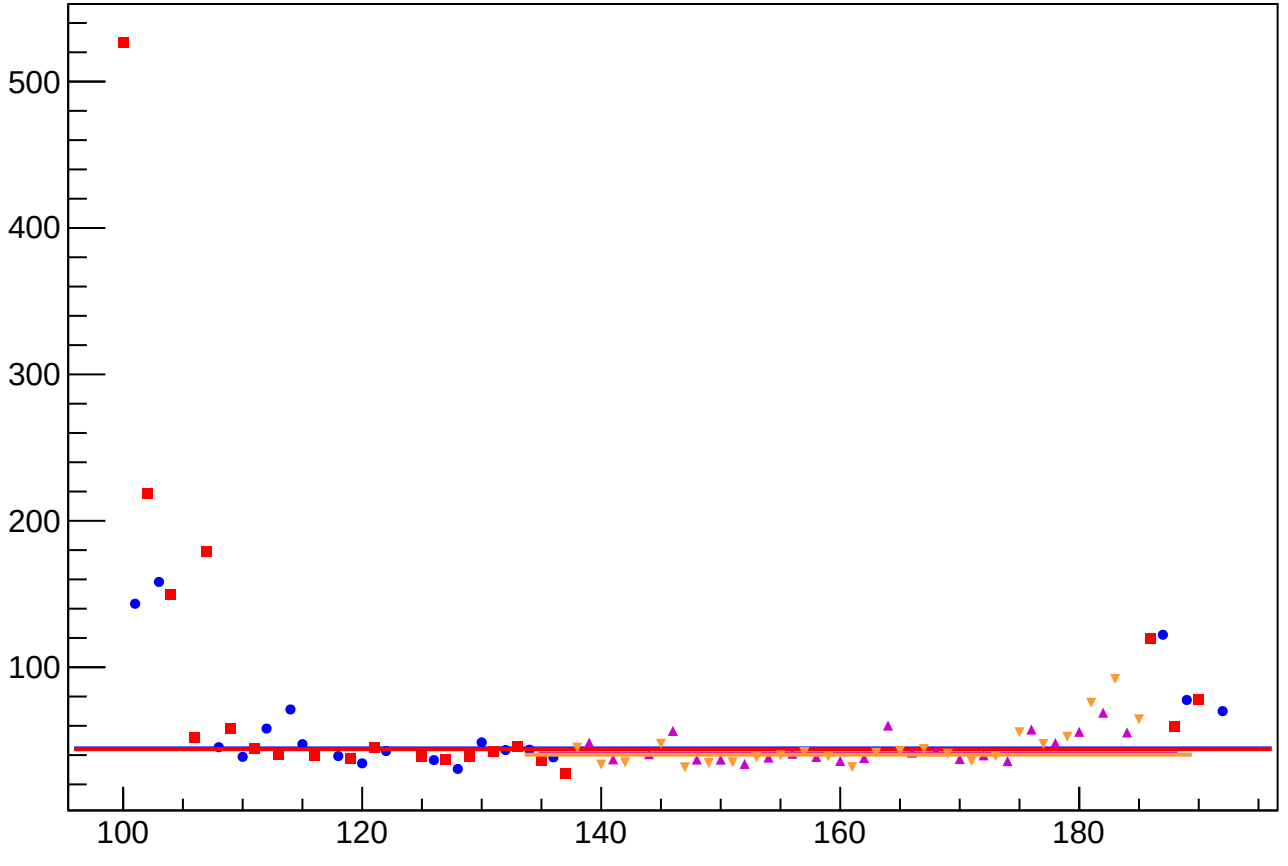
Right: 0.008+/-0.012 χ^2/NDF: 43.9/39

In: -0.003+/-0.009 χ^2/NDF:60.1/41

Out: 0.005+/-0.009 χ^2/NDF:47.4/44

All: 0.001+/-0.006 χ^2/NDF: 107.9/86

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: 44.043+/-0.013 χ^2/NDF: 1991236.4/20

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

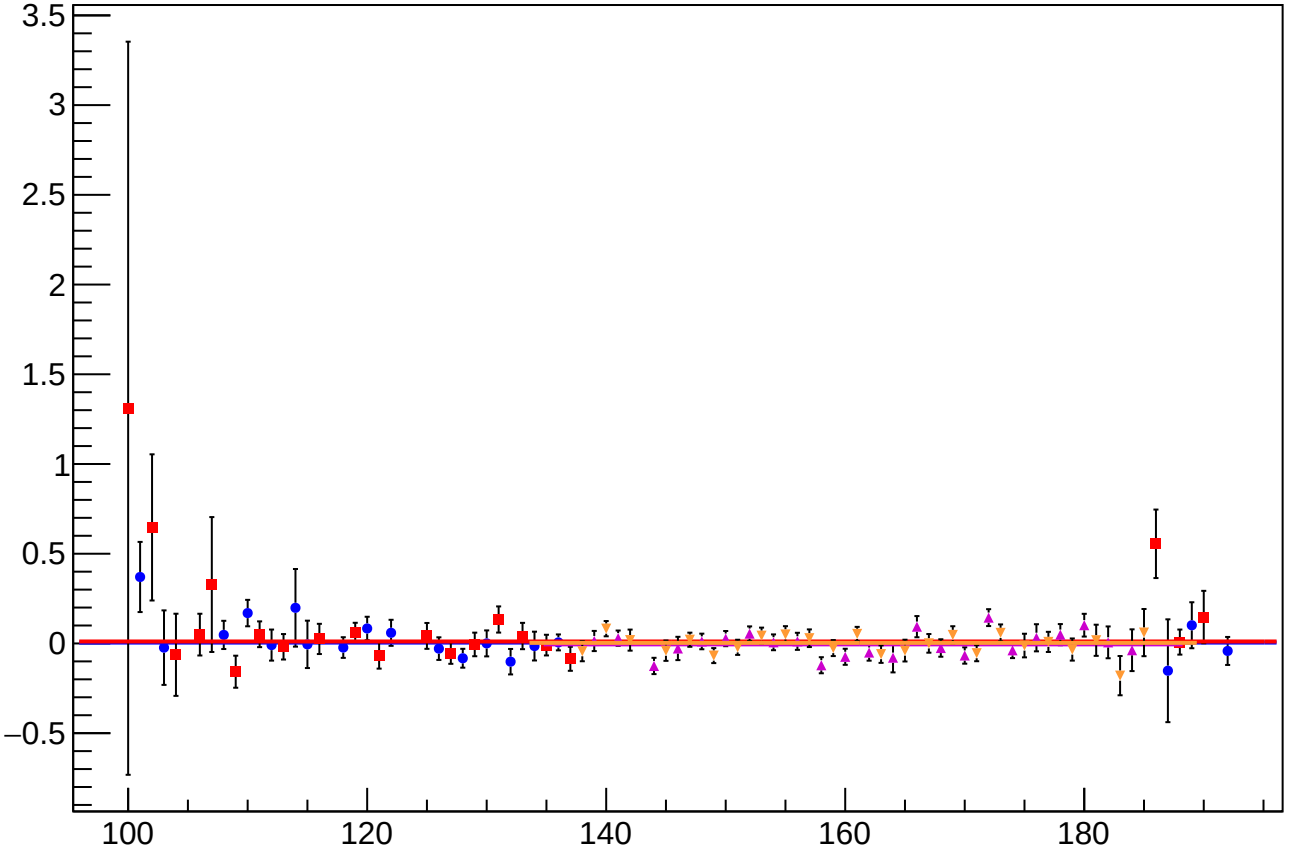
Right: 44.296+/-0.009 χ^2/NDF: 3974063.8/39

In: 42.001+/-0.006 χ^2/NDF:2965923.9/41

Out: 41.235+/-0.006 χ^2/NDF:3547392.5/44

All: 41.614+/-0.005 χ^2/NDF: 6520547.3/86

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: 0.011+/-0.018 χ^2/NDF: 25.4/20

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

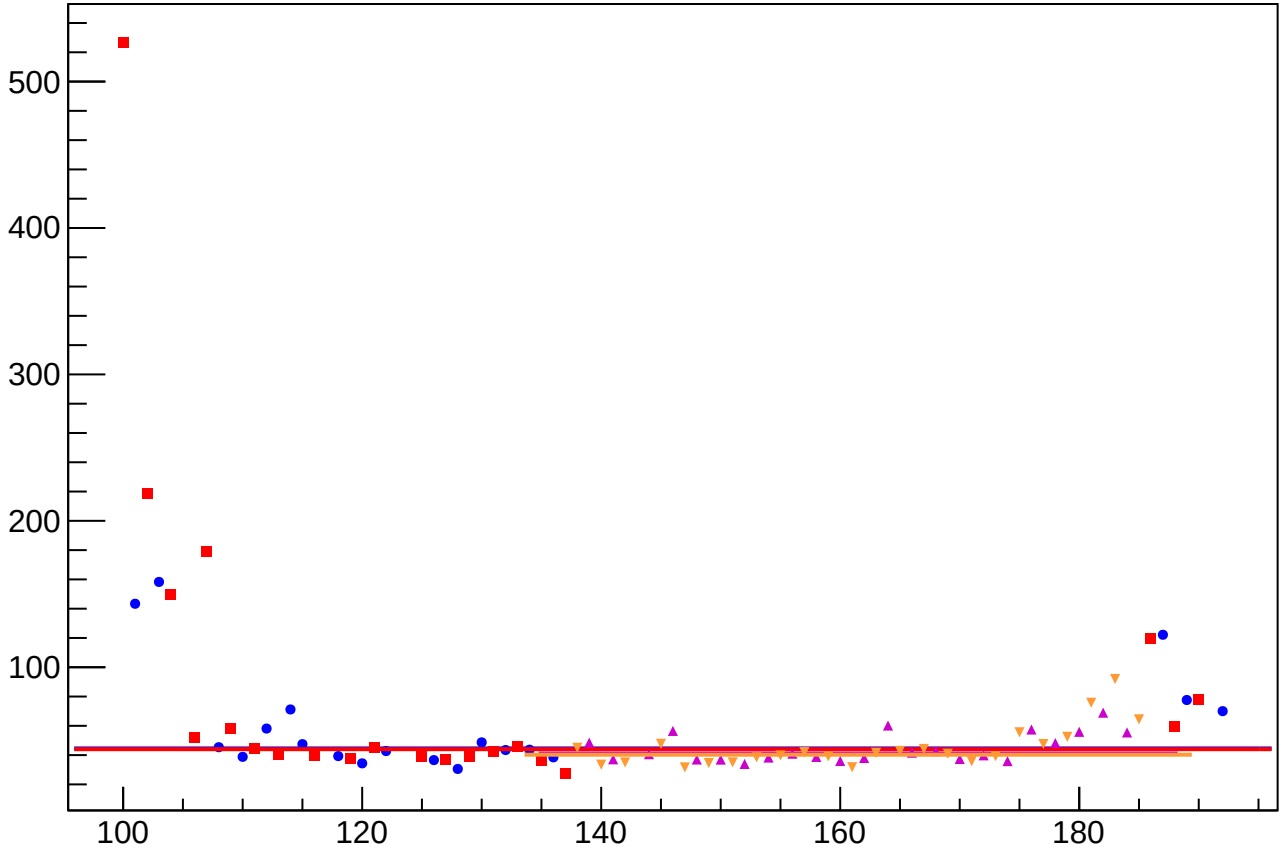
Right: 0.008+/-0.012 χ^2/NDF: 43.9/39

In: -0.003+/-0.009 χ^2/NDF:60.1/41

Out: 0.005+/-0.009 χ^2/NDF:47.4/44

All: 0.001+/-0.006 χ^2/NDF: 107.9/86

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: 44.043+/-0.013 χ^2/NDF: 1991236.4/20

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

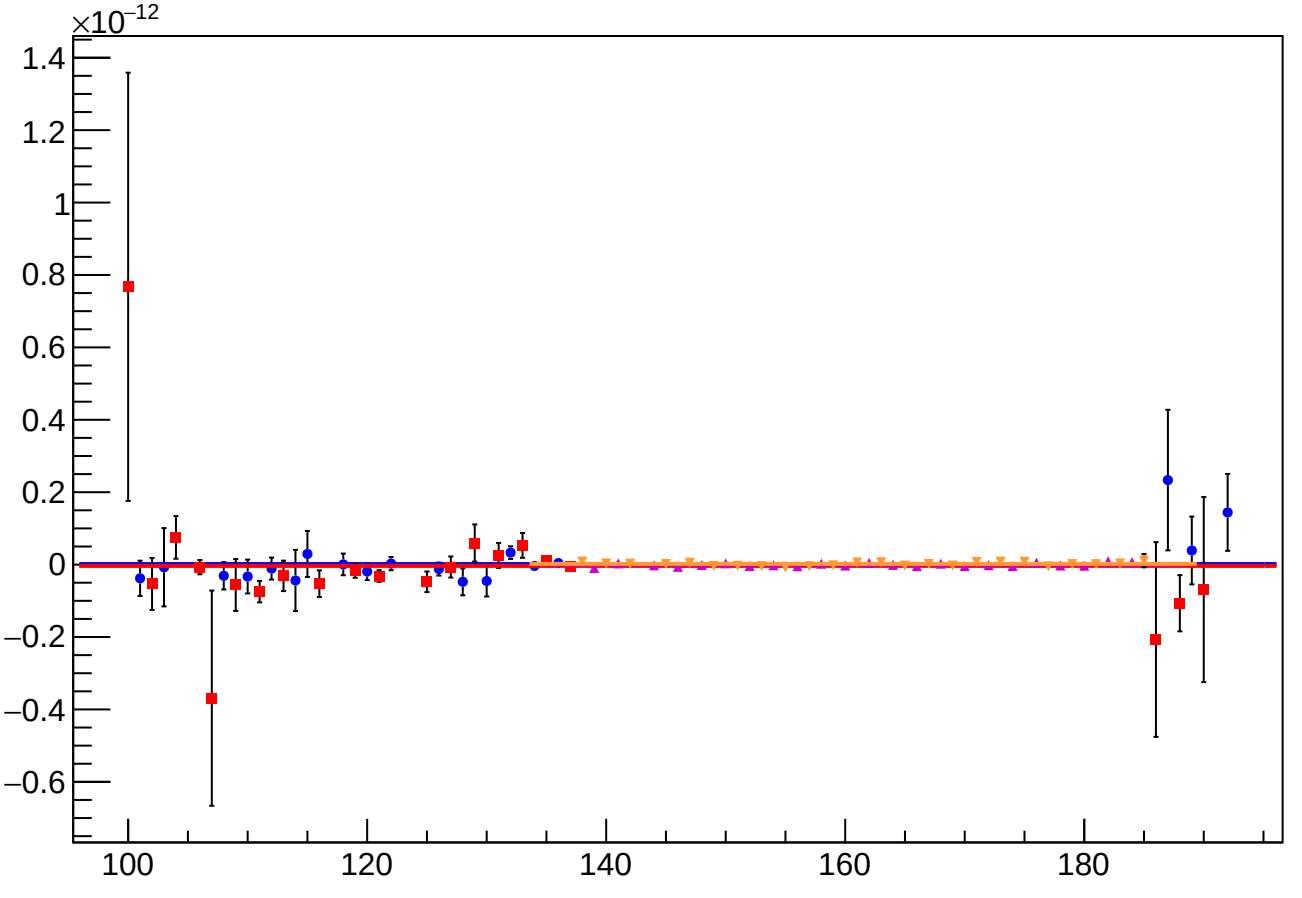
Right: 44.296+/-0.009 χ^2/NDF: 3974063.8/39

In: 42.001+/-0.006 χ^2/NDF:2965923.9/41

Out: 41.235+/-0.006 χ^2/NDF:3547392.5/44

All: 41.614+/-0.005 χ^2/NDF: 6520547.3/86

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: 31.2/20

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

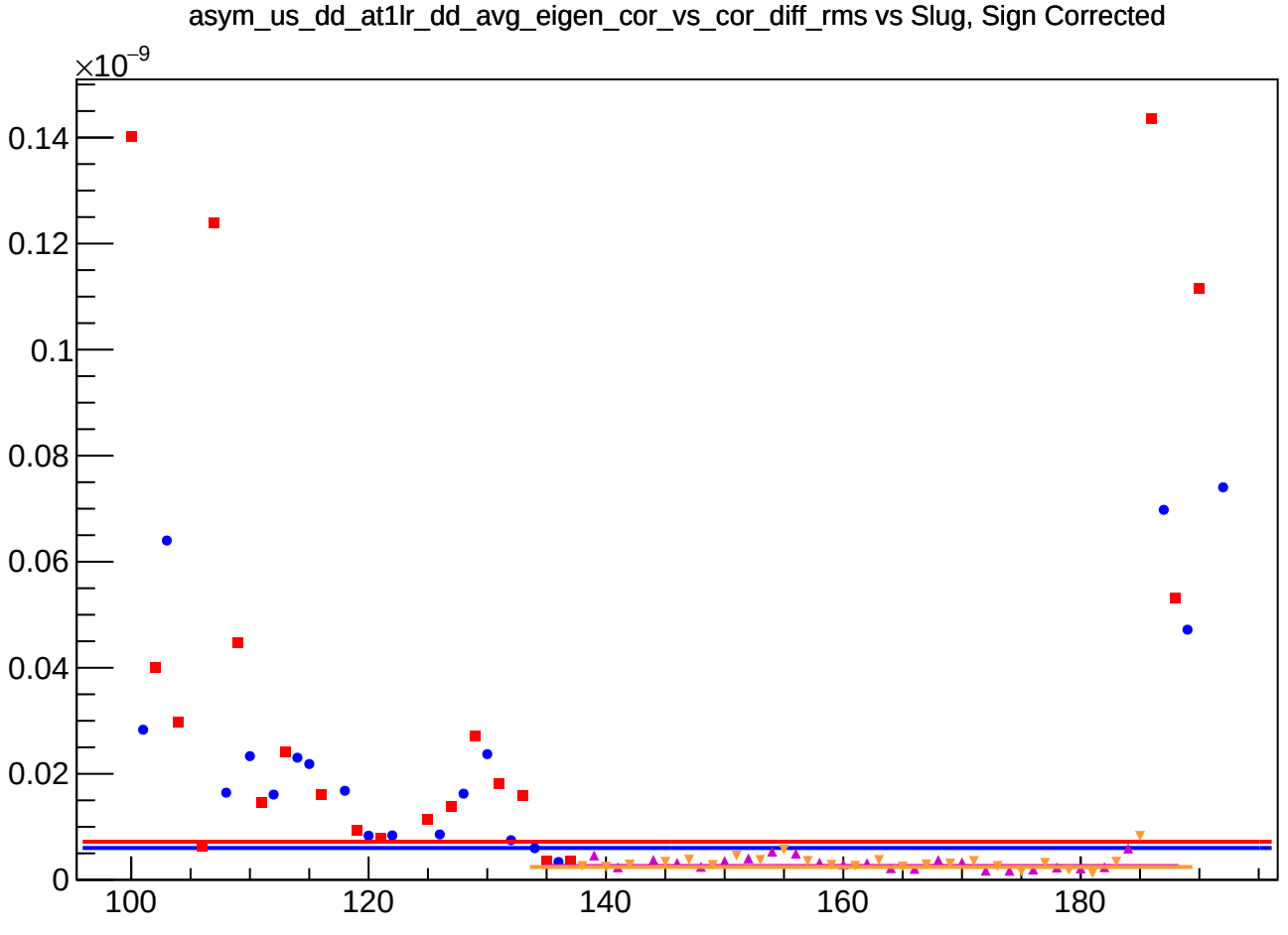
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

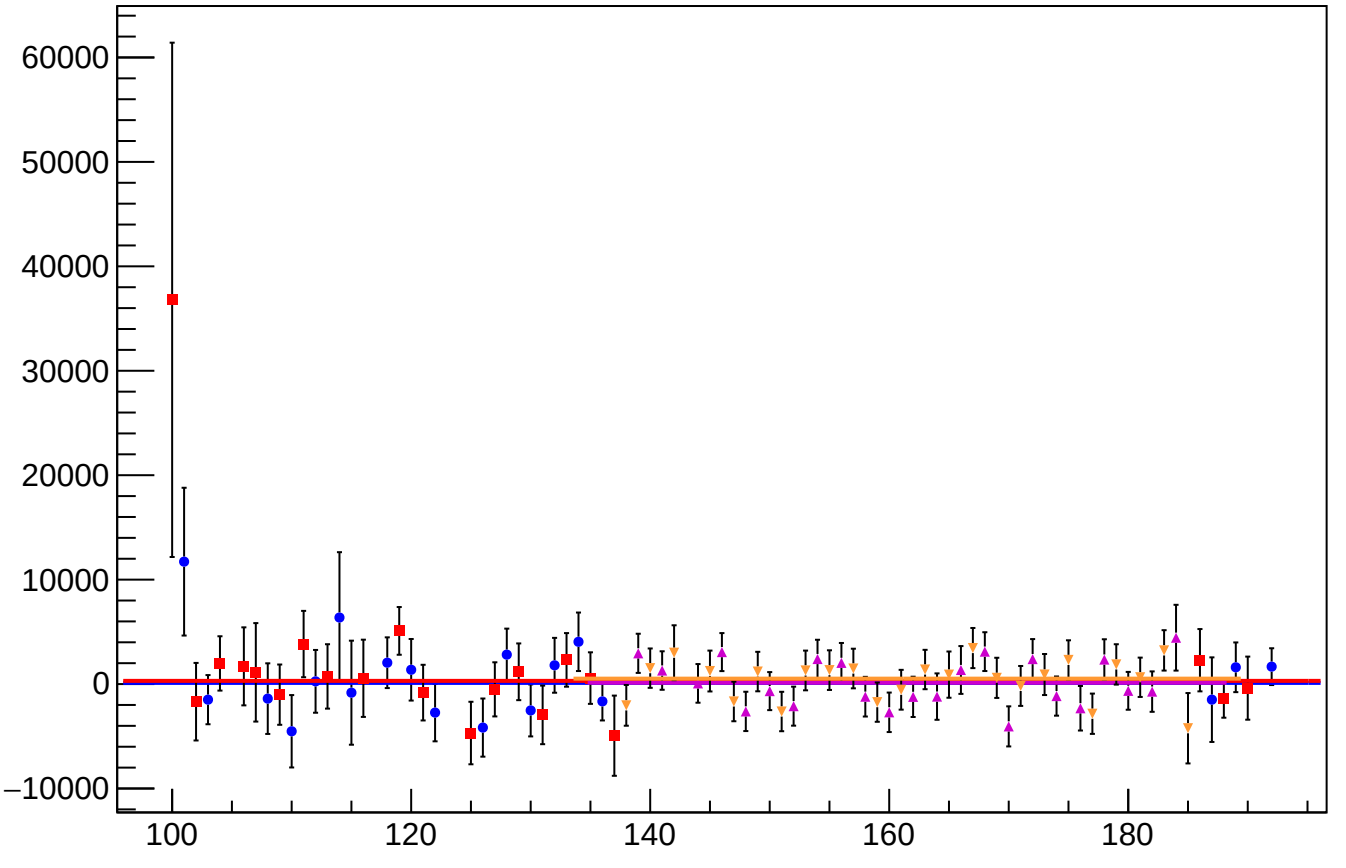
Right: -0.000+/-0.000 χ^2/NDF: 45.9/39

In: -0.000+/-0.000 χ^2/NDF:37.3/41

Out: 0.000+/-0.000 χ^2/NDF:57.7/44

All: 0.000+/-0.000 χ^2/NDF: 98.2/86


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 4724273.8/18
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 5345176.2/20
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
Left: 0.000+/-0.000 χ²/NDF: 4793027.5/46
Right: 0.000+/-0.000 χ²/NDF: 10143688.8/39
In: 0.000+/-0.000 χ²/NDF:8106429.8/41
Out: 0.000+/-0.000 χ²/NDF:10107399.8/44
All: 0.000+/-0.000 χ²/NDF: 18278650.9/86



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: 306.310+/-634.545 χ^2/NDF: 17.2/20

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

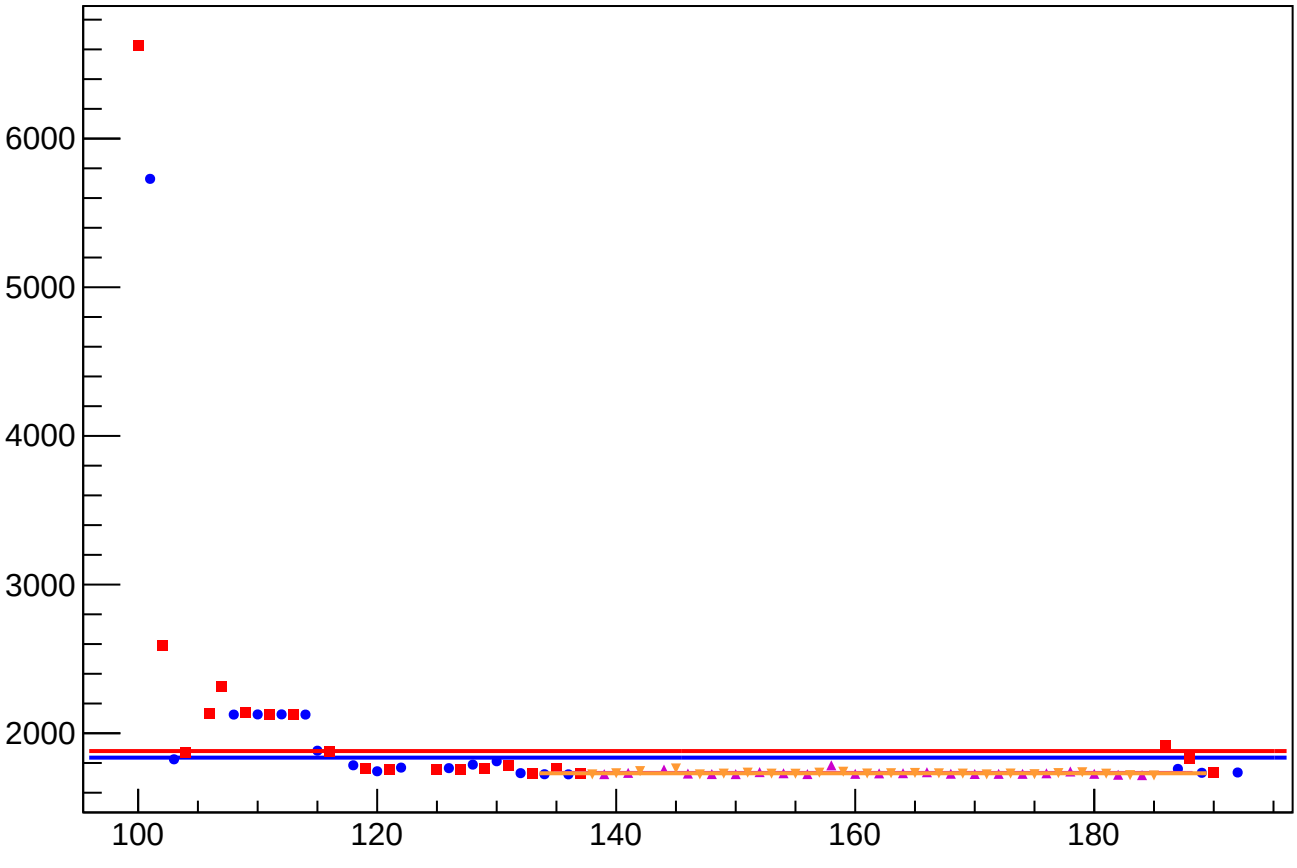
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 208.162+/-445.795 χ^2/NDF: 34.6/39

In: 122.049+/-339.890 χ^2/NDF:46.8/41

Out: 458.812+/-339.410 χ^2/NDF:38.1/44

All: 290.669+/-240.169 χ^2/NDF: 85.4/86



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: 1880.143+/-0.449 χ^2/NDF: 258240.9/20

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

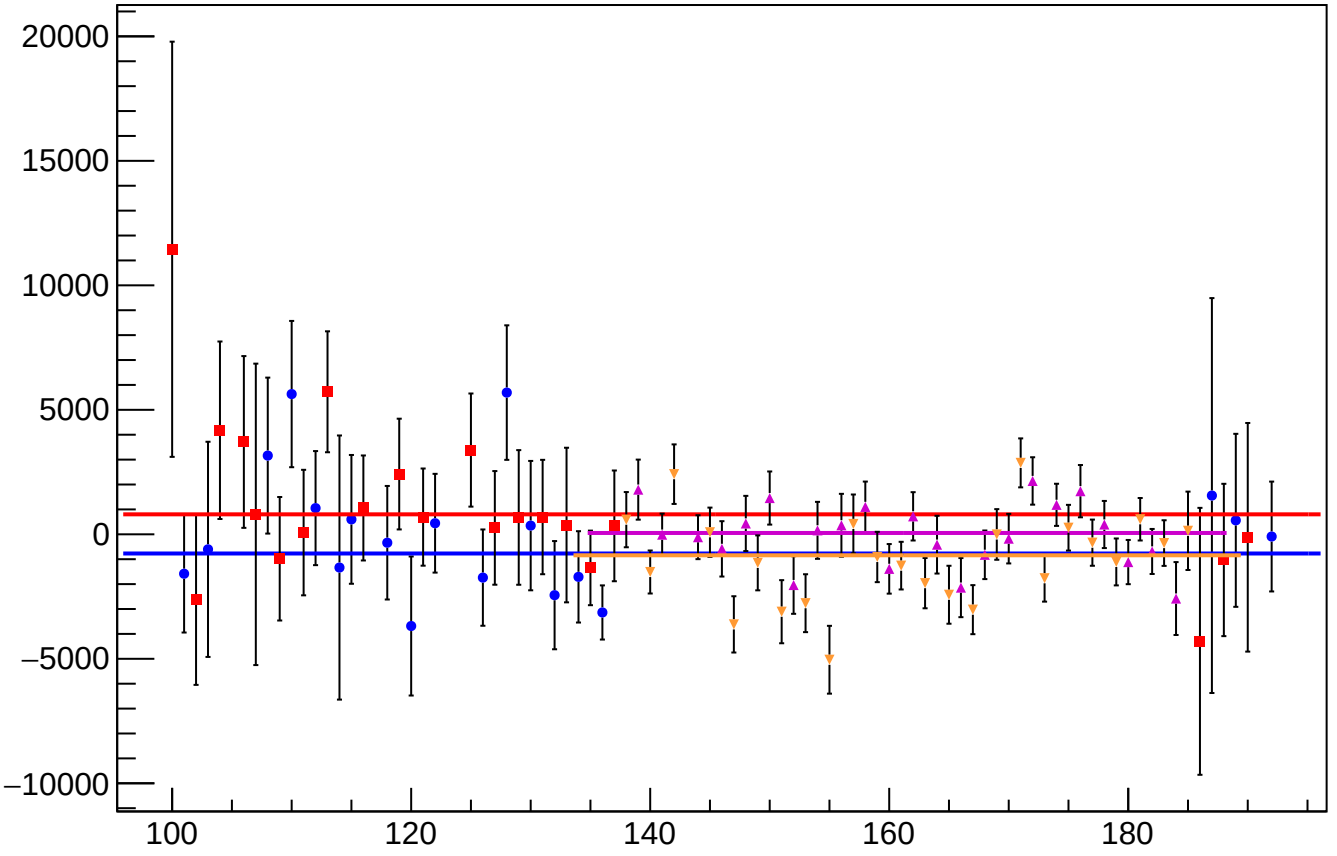
Right: 1857.781+/-0.315 χ^2/NDF: 951663.5/39

In: 1763.324+/-0.240 χ^2/NDF:728892.7/41

Out: 1773.561+/-0.240 χ^2/NDF:338248.8/44

All: 1768.450+/-0.170 χ^2/NDF: 1068050.0/86

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -770.429+/-526.133 χ^2/NDF: 21.0/18

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 802.453+/-566.002 χ^2/NDF: 14.3/20

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

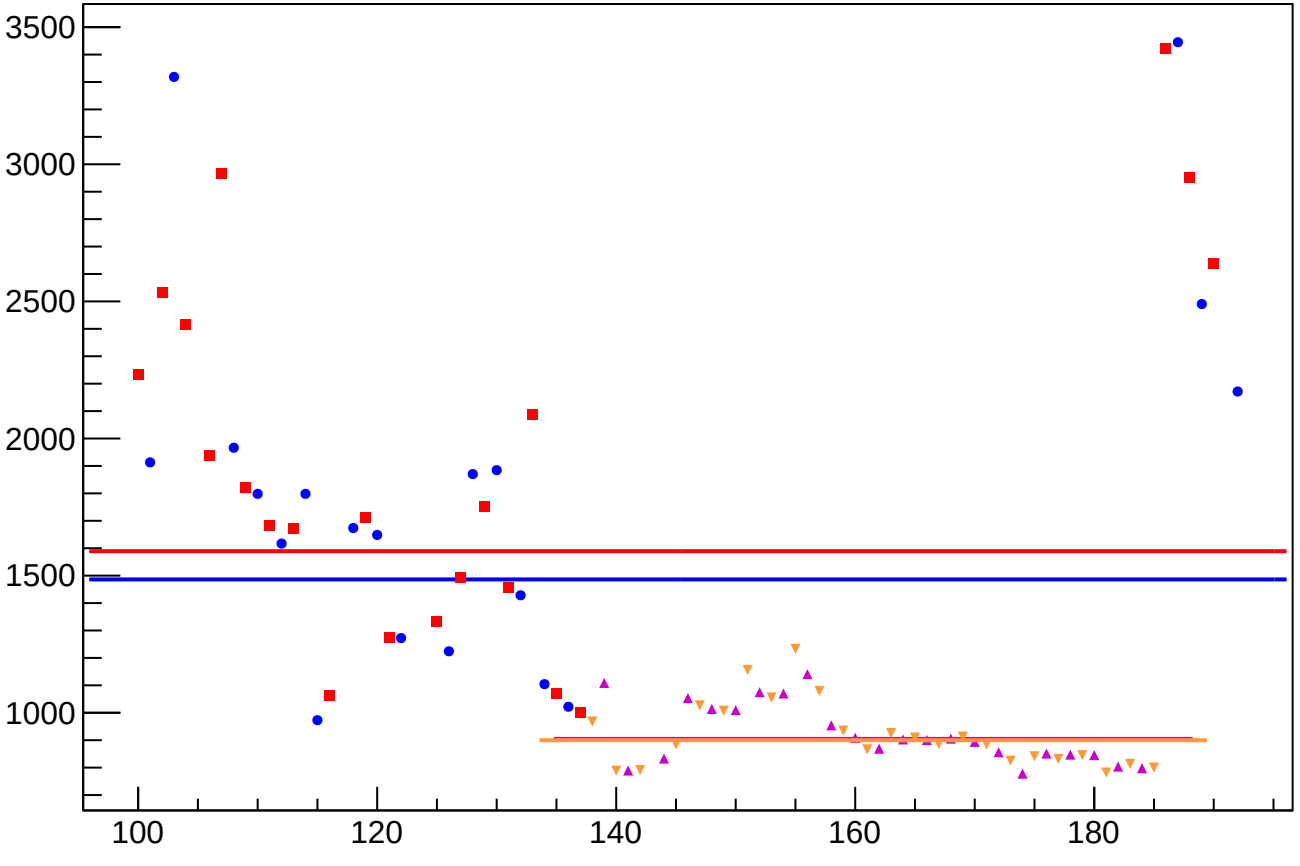
Right: -41.330+/-385.357 χ^2/NDF: 39.4/39

In: -62.143+/-197.407 χ^2/NDF:53.7/41

Out: -641.981+/-197.587 χ^2/NDF:84.4/44

All: -351.798+/-139.652 χ^2/NDF: 142.4/86

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: 1589.128+/-0.400 χ^2/NDF: 1810695.8/20

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

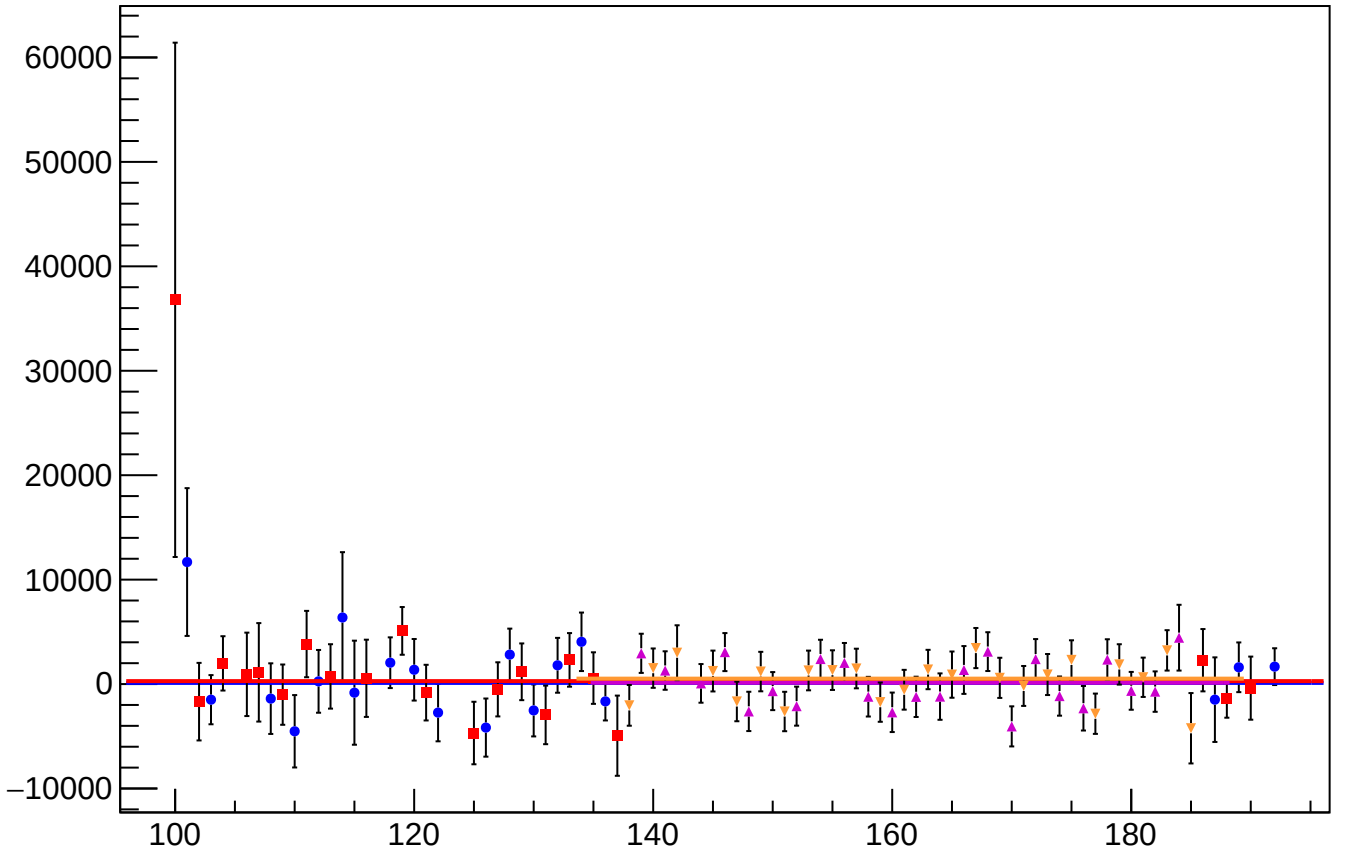
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1533.917+/-0.272 χ^2/NDF: 3535239.1/39

In: 986.526+/-0.140 χ^2/NDF:4240865.2/41

Out: 983.816+/-0.140 χ^2/NDF:4910934.7/44

All: 985.172+/-0.099 χ^2/NDF: 9151988.2/86



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: 282.330+/-635.696 χ^2/NDF: 17.1/20

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

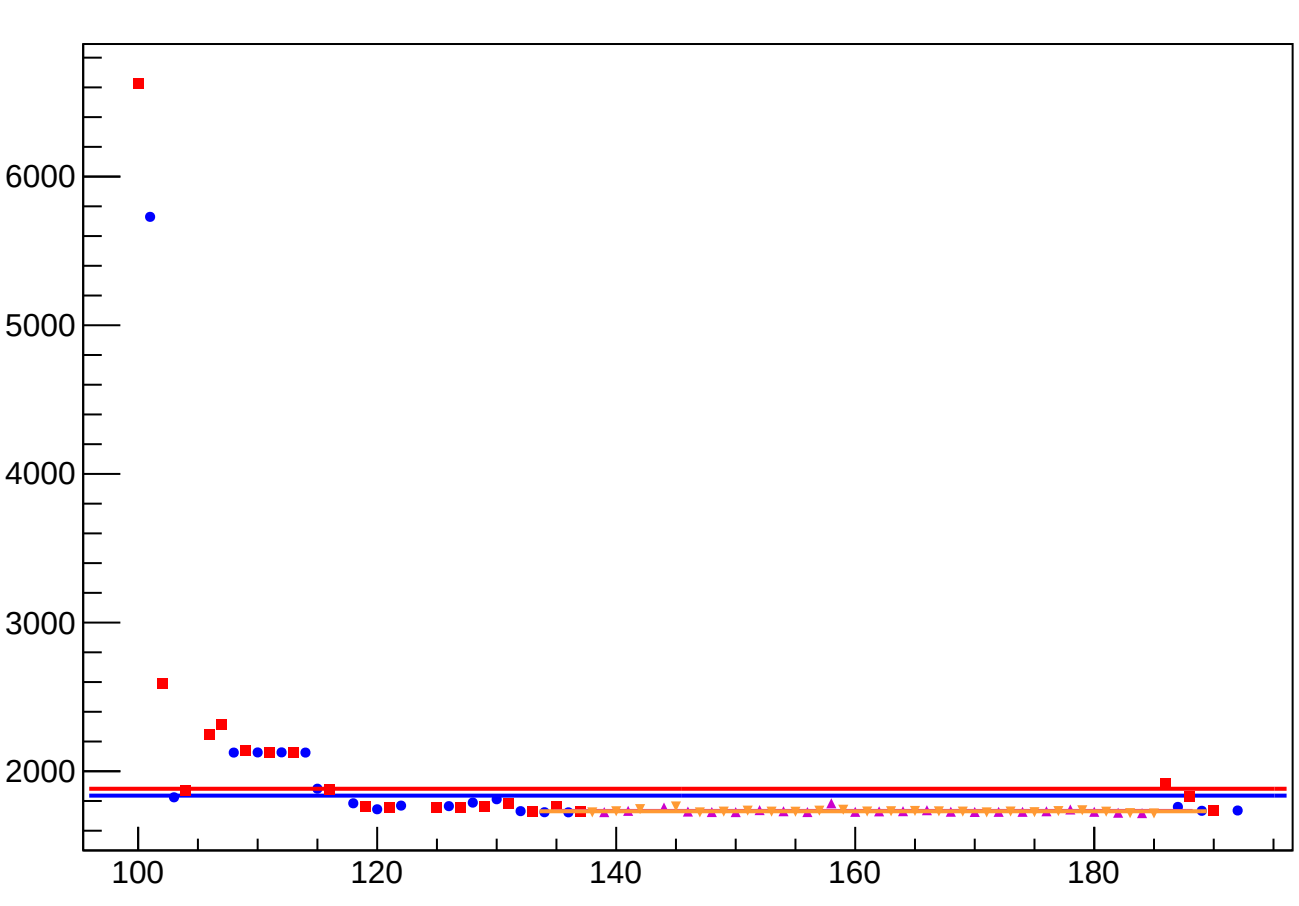
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 195.871+/-446.193 χ^2/NDF: 34.5/39

In: 121.918+/-339.890 χ^2/NDF:46.8/41

Out: 452.146+/-339.586 χ^2/NDF:38.0/44

All: 287.180+/-240.231 χ^2/NDF: 85.3/86



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: 1882.183+/-0.450 χ^2/NDF: 266166.1/20

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

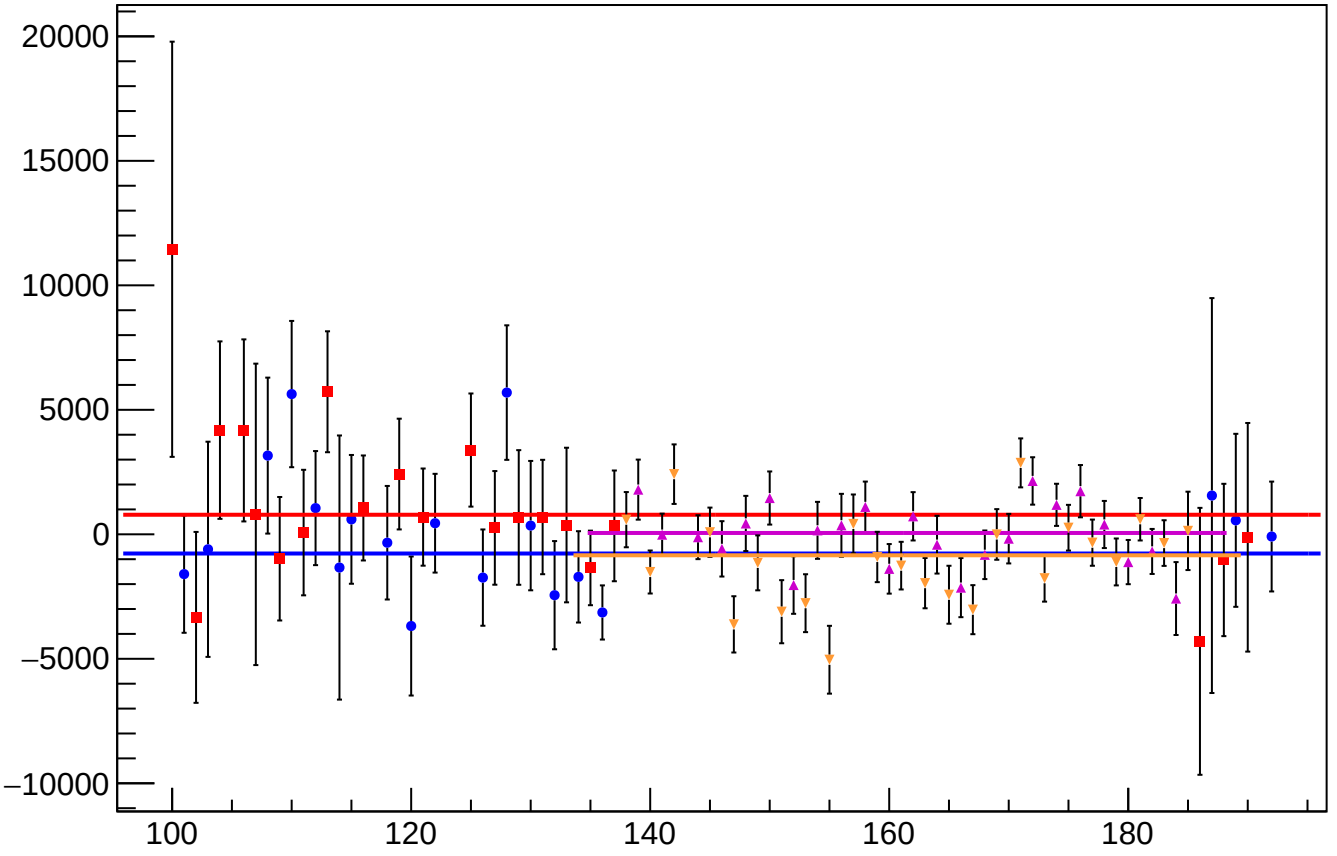
Right: 1858.746+/-0.316 χ^2/NDF: 960042.5/39

In: 1763.324+/-0.240 χ^2/NDF:728892.5/41

Out: 1774.033+/-0.240 χ^2/NDF:348139.3/44

All: 1768.683+/-0.170 χ^2/NDF: 1078025.4/86

asym_us_dd_at1lr_dd_dd_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: 785.566+/-566.839 χ^2/NDF: 14.9/20

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

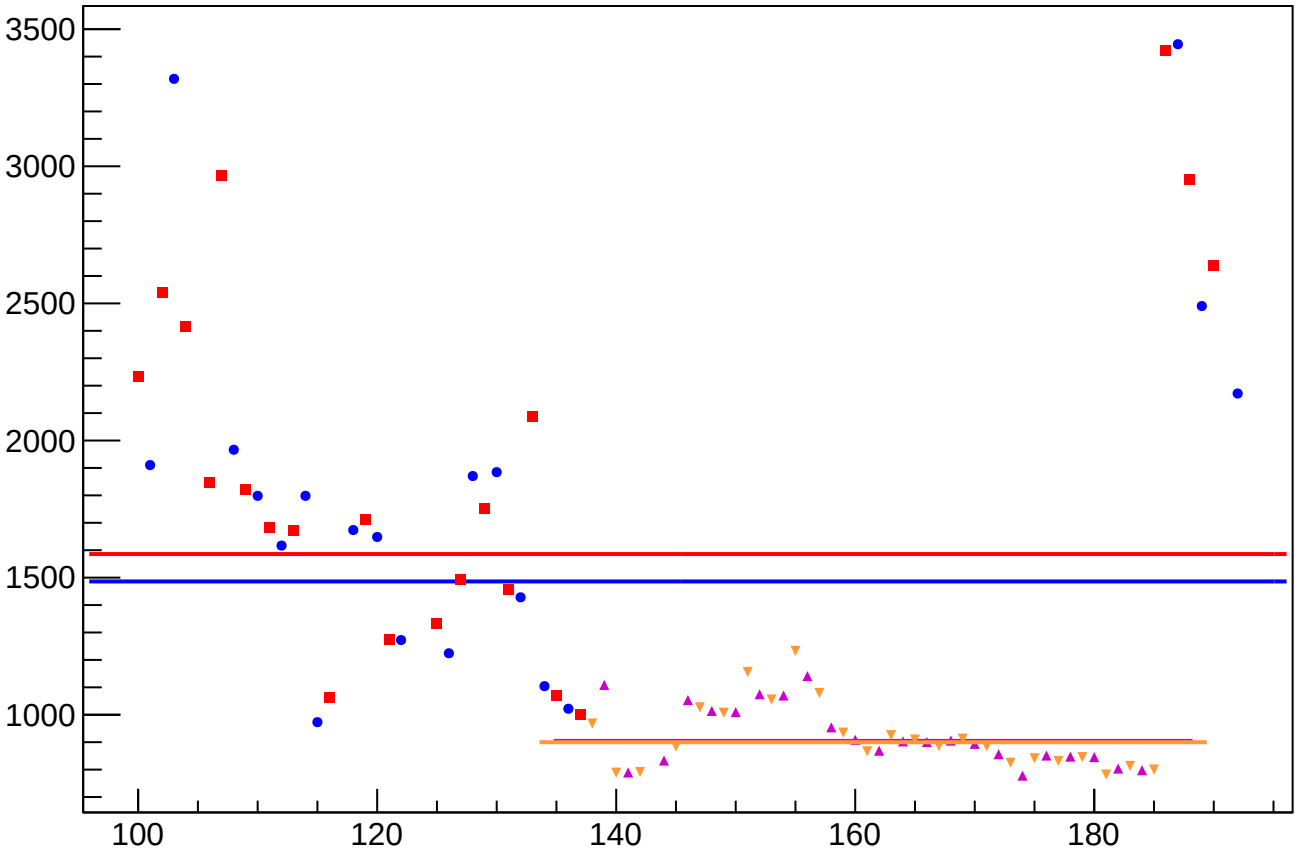
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -50.762+/-385.606 χ^2/NDF: 39.9/39

In: -62.244+/-197.405 χ^2/NDF:53.7/41

Out: -644.584+/-197.623 χ^2/NDF:84.8/44

All: -353.092+/-139.663 χ^2/NDF: 142.9/86



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: 1585.959+/-0.401 χ^2/NDF: 1801691.1/20

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

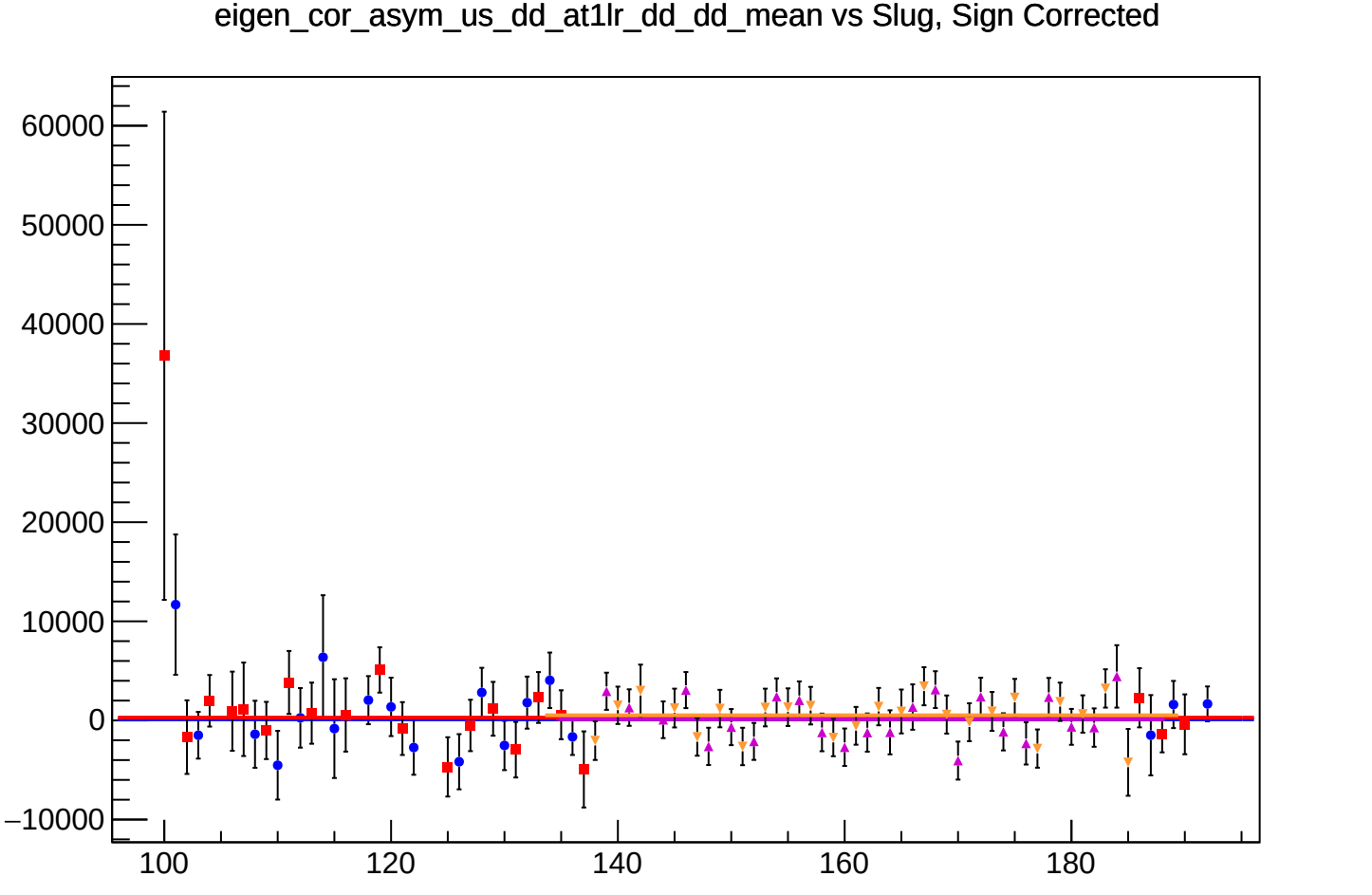
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

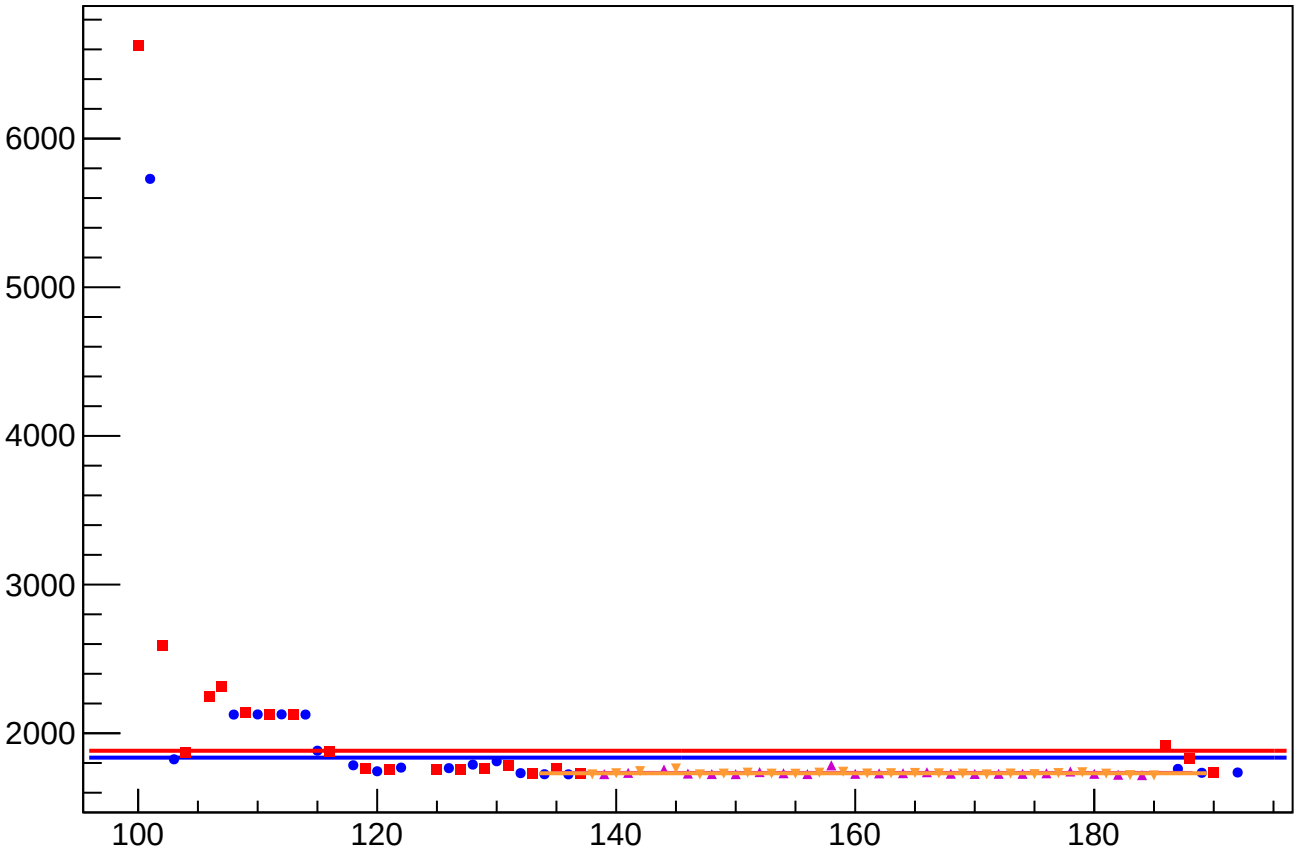
Right: 1532.327+/-0.273 χ^2/NDF: 3523530.7/39

In: 986.521+/-0.140 χ^2/NDF:4240006.0/41

Out: 983.216+/-0.140 χ^2/NDF:4871271.4/44

All: 984.870+/-0.099 χ^2/NDF: 9111557.6/86


eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
Right In: 111.914+/-626.432 χ²/NDF: 17.4/18
Left Out: 519.957+/-401.705 χ²/NDF:20.8/23
Right Out: 282.330+/-635.696 χ²/NDF: 17.1/20
Left In: 126.091+/-404.630 χ²/NDF:29.5/22
Left: 324.453+/-285.077 χ²/NDF: 50.7/46
Right: 195.871+/-446.193 χ²/NDF: 34.5/39
In: 121.918+/-339.890 χ²/NDF:46.8/41
Out: 452.146+/-339.586 χ²/NDF:38.0/44
All: 287.180+/-240.231 χ²/NDF: 85.3/86



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: 1882.183+/-0.450 χ^2/NDF: 266166.1/20

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

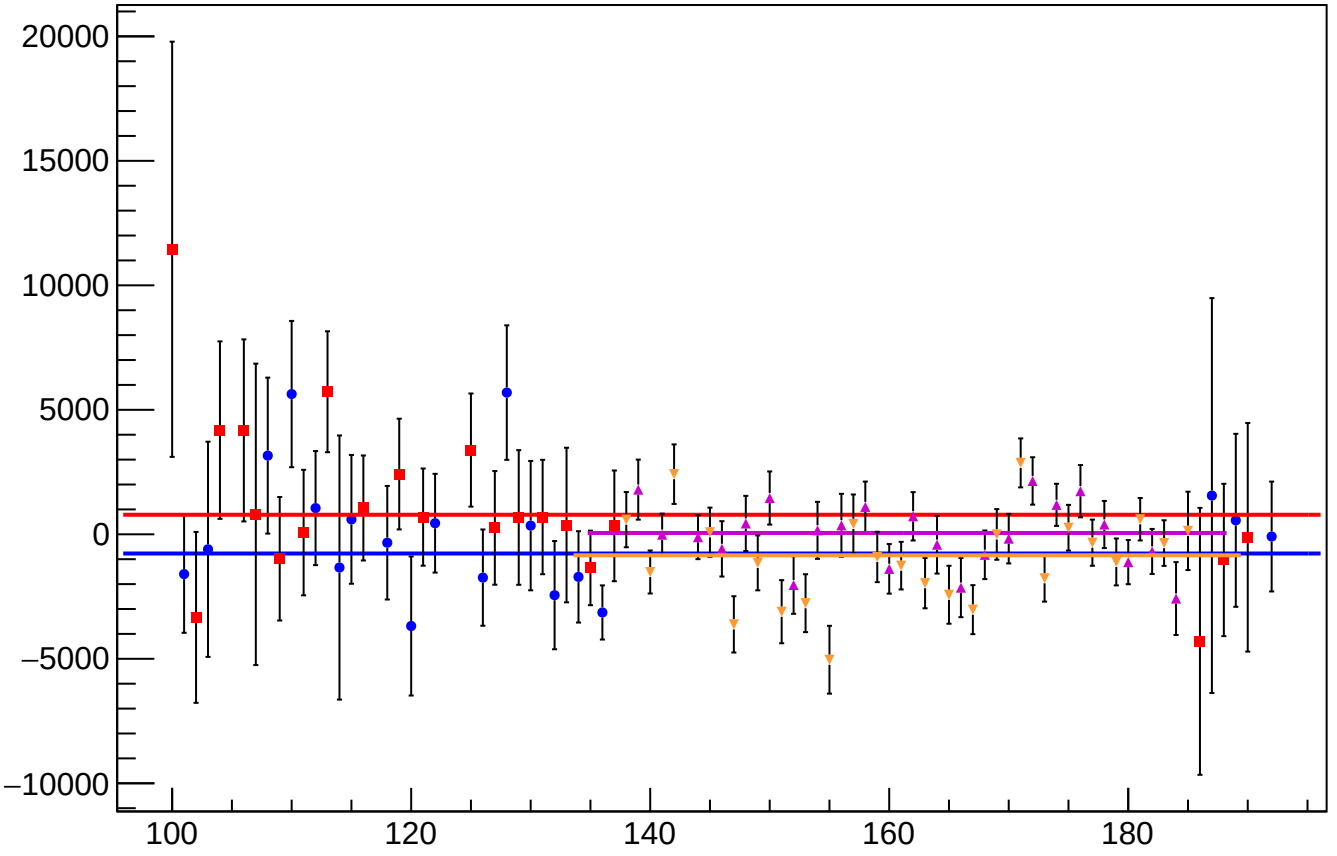
Right: 1858.746+/-0.316 χ^2/NDF: 960042.5/39

In: 1763.324+/-0.240 χ^2/NDF:728892.5/41

Out: 1774.033+/-0.240 χ^2/NDF:348139.3/44

All: 1768.683+/-0.170 χ^2/NDF: 1078025.4/86

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: 785.566+/-566.839 χ^2/NDF: 14.9/20

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

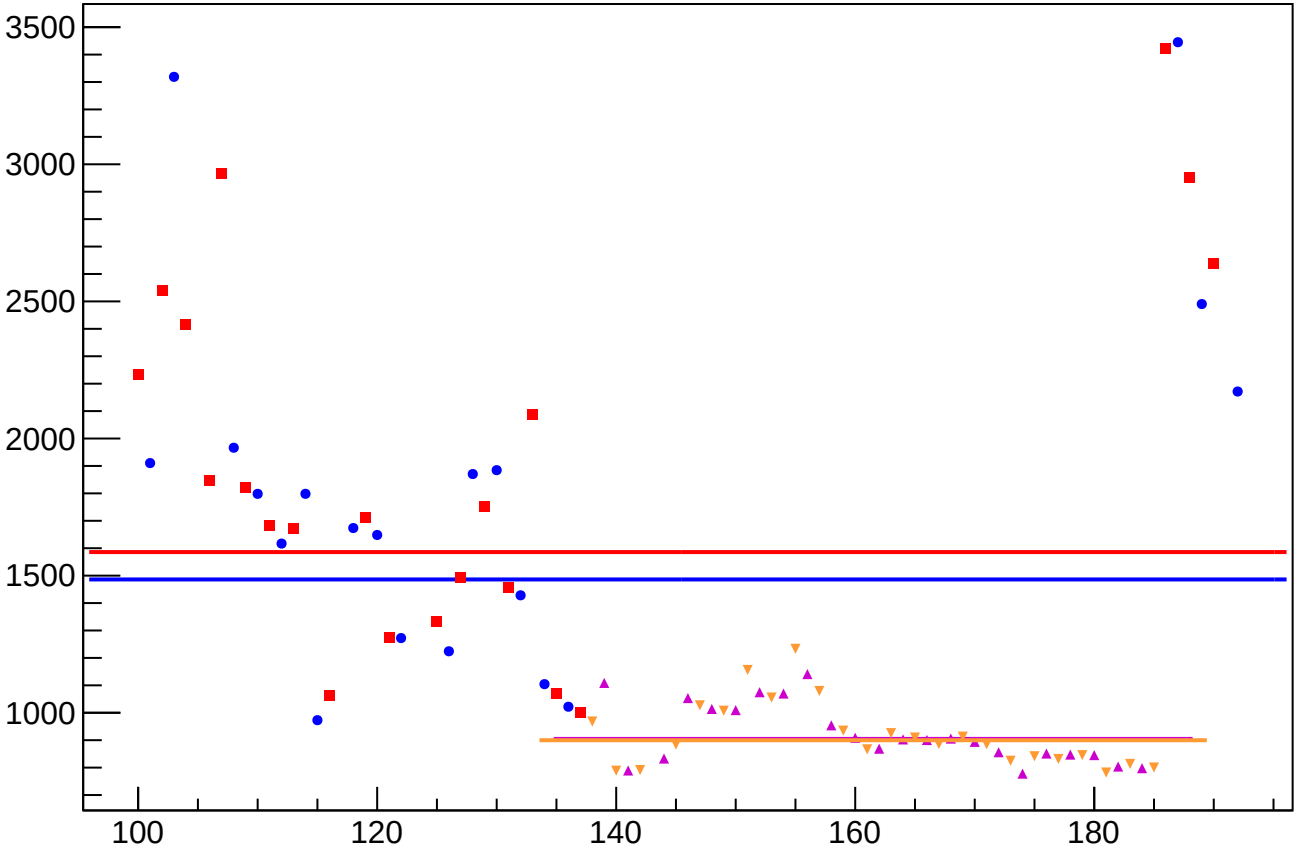
Right: -50.762+/-385.606 χ^2/NDF: 39.9/39

In: -62.244+/-197.405 χ^2/NDF:53.7/41

Out: -644.584+/-197.623 χ^2/NDF:84.8/44

All: -353.092+/-139.663 χ^2/NDF: 142.9/86

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: 1585.959+/-0.401 χ^2/NDF: 1801691.1/20

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

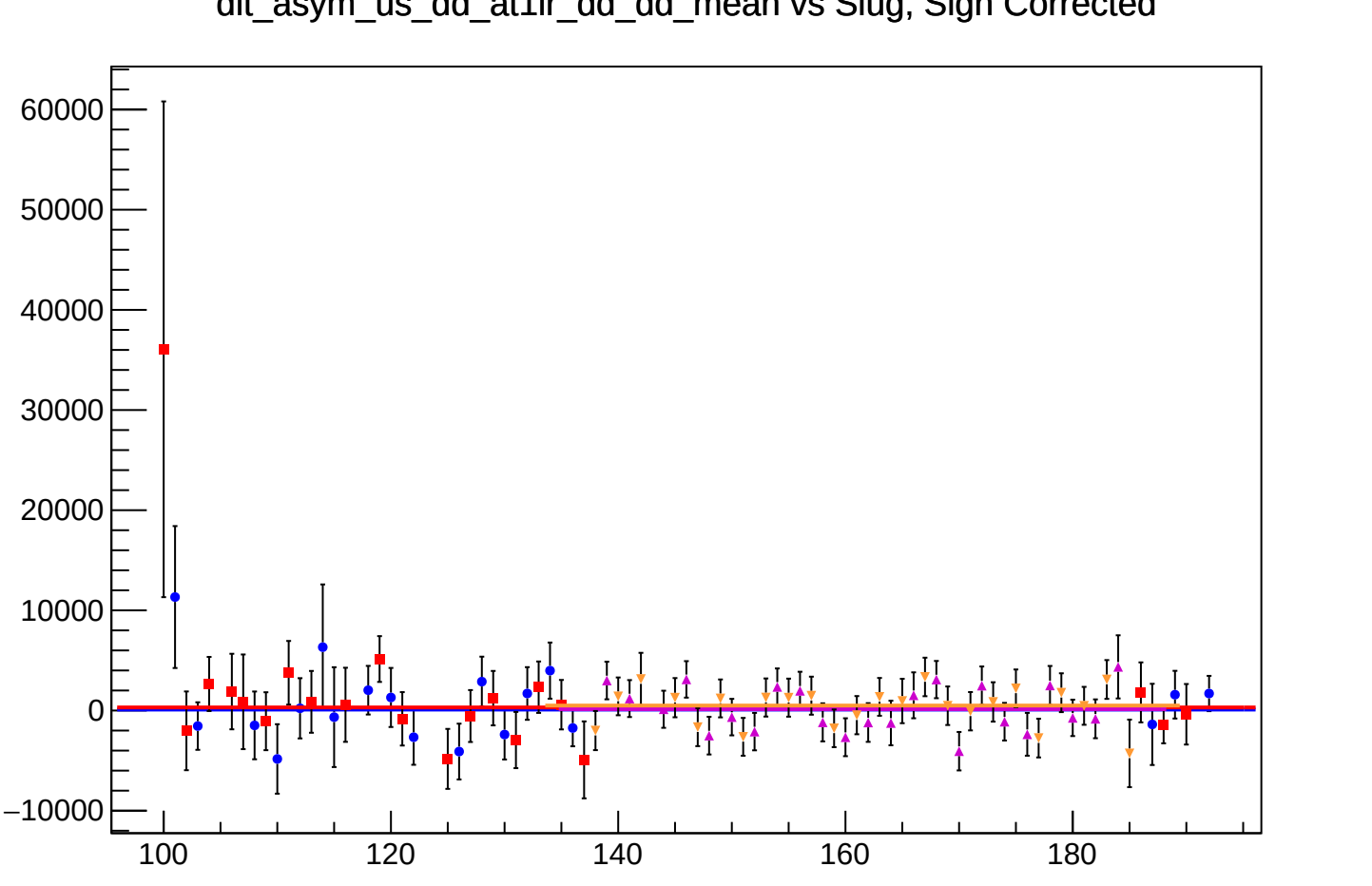
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1532.327+/-0.273 χ^2/NDF: 3523530.7/39

In: 986.521+/-0.140 χ^2/NDF:4240006.0/41

Out: 983.216+/-0.140 χ^2/NDF:4871271.4/44

All: 984.870+/-0.099 χ^2/NDF: 9111557.6/86


dit_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
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30000
20000
10000
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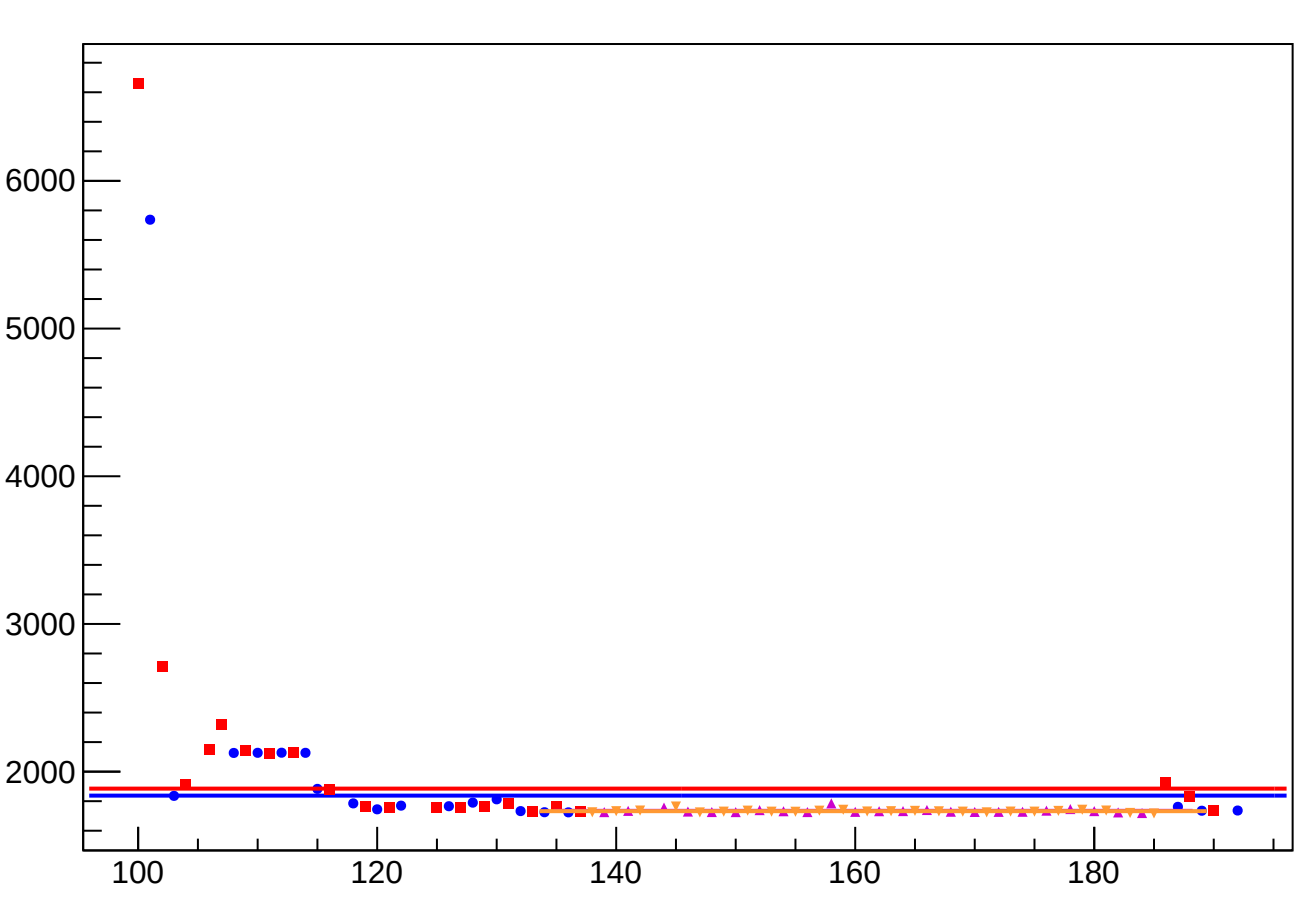
−10000
100
120
140
160
180
Right In: 95.009+/-627.083 χ²/NDF: 17.2/18
Left Out: 494.897+/-402.069 χ²/NDF:20.1/23
Right Out: 307.587+/-637.520 χ²/NDF: 17.6/20
Left In: 137.162+/-404.995 χ²/NDF:29.6/22
Left: 317.326+/-285.335 χ²/NDF: 50.0/46
Right: 199.544+/-447.059 χ²/NDF: 34.9/39
In: 124.755+/-340.211 χ²/NDF:46.8/41
Out: 441.595+/-340.083 χ²/NDF:37.7/44
All: 283.234+/-240.520 χ²/NDF: 85.0/86



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: 1885.076+/-0.451 χ^2/NDF: 276415.7/20

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

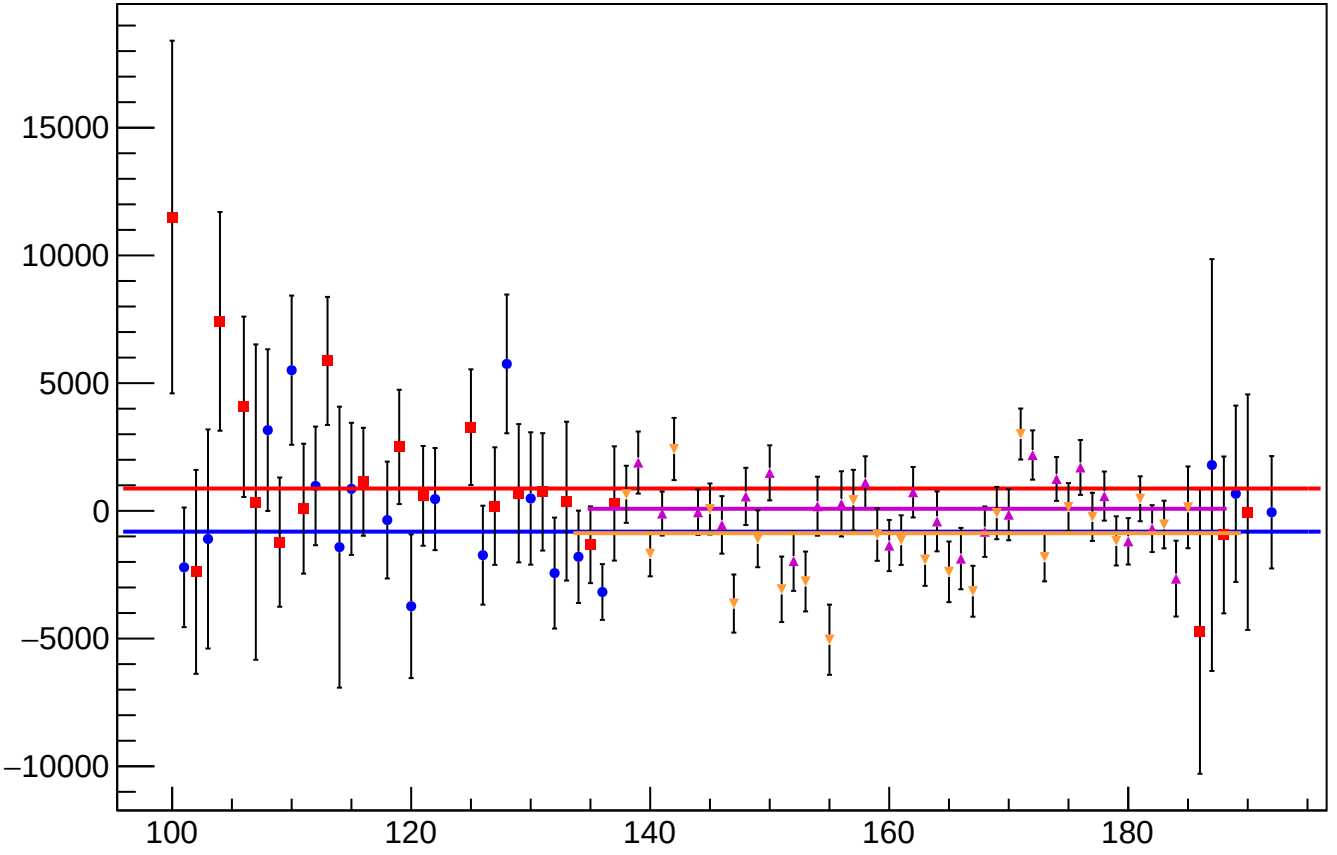
Right: 1860.972+/-0.316 χ^2/NDF: 971038.1/39

In: 1764.909+/-0.241 χ^2/NDF:729349.2/41

Out: 1775.839+/-0.240 χ^2/NDF:359403.1/44

All: 1770.376+/-0.170 χ^2/NDF: 1089784.8/86

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



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: 874.279+/-573.302 χ^2/NDF: 16.4/20

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

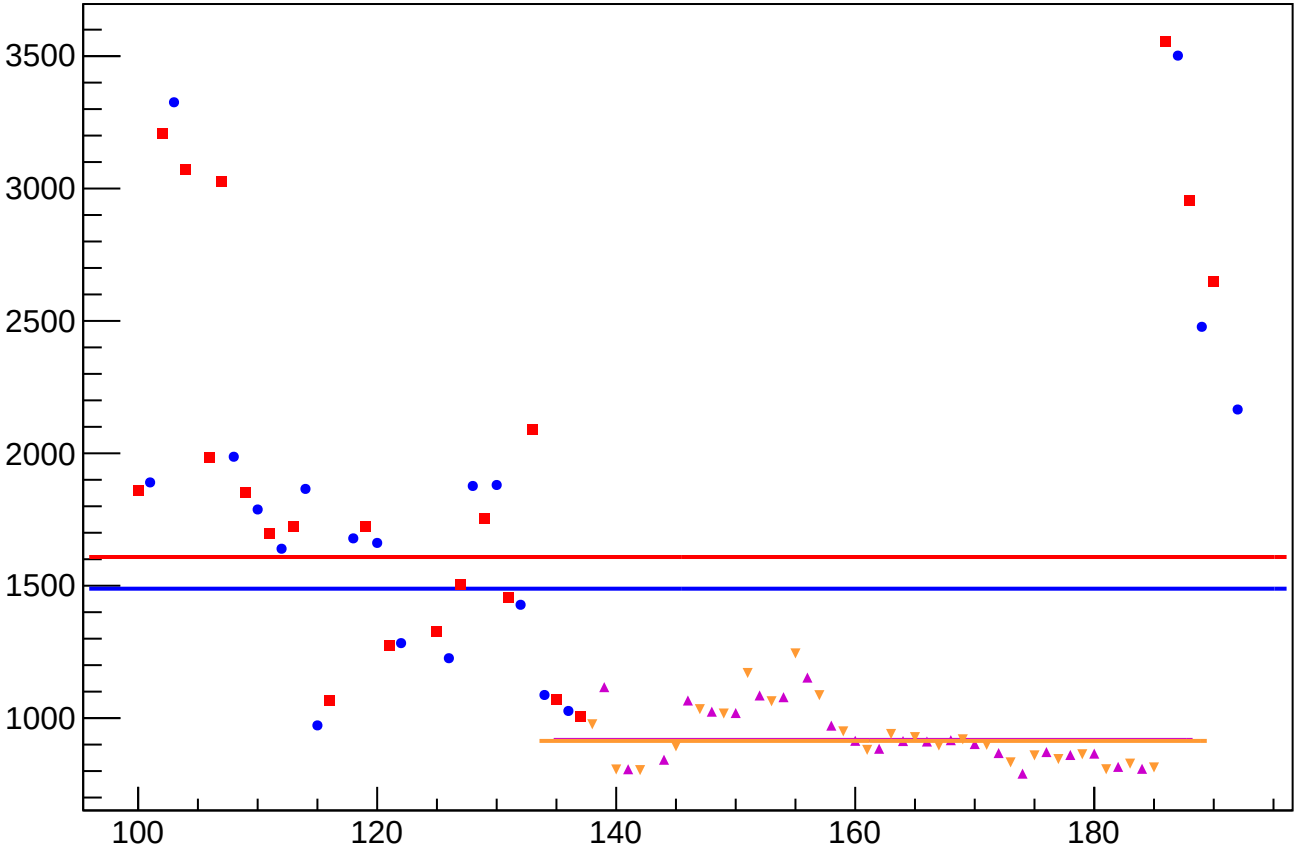
Right: -40.613+/-387.953 χ^2/NDF: 42.5/39

In: -47.149+/-199.791 χ^2/NDF:53.9/41

Out: -659.151+/-200.494 χ^2/NDF:86.5/44

All: -352.075+/-141.522 χ^2/NDF: 145.1/86

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



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: 1608.432+/-0.405 χ^2/NDF: 2137142.5/20

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

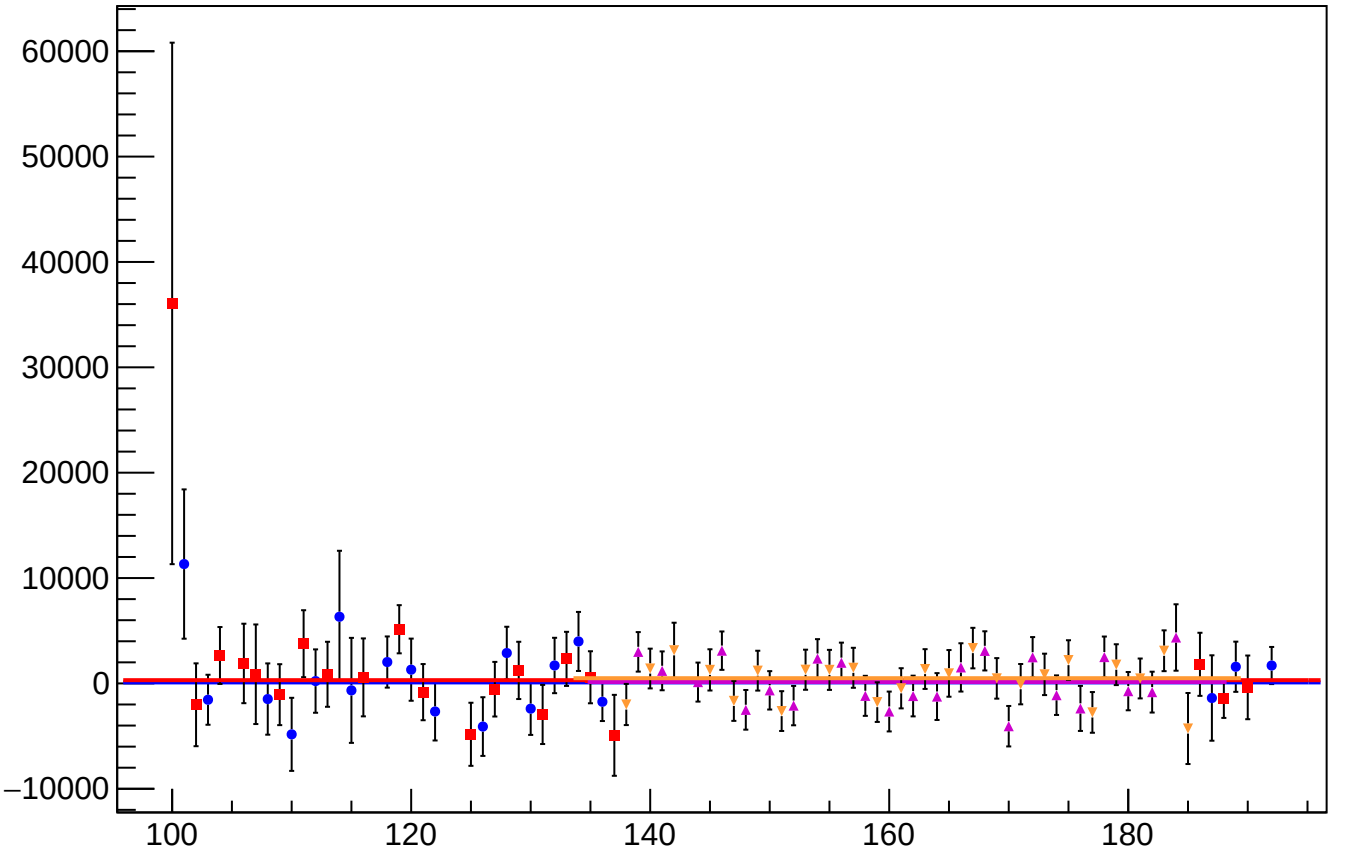
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1543.556+/-0.274 χ^2/NDF: 3879348.2/39

In: 999.775+/-0.141 χ^2/NDF:4136926.9/41

Out: 998.842+/-0.142 χ^2/NDF:5176279.3/44

All: 999.310+/-0.100 χ^2/NDF: 9313228.0/86



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: 307.587+/-637.520 χ^2/NDF: 17.6/20

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

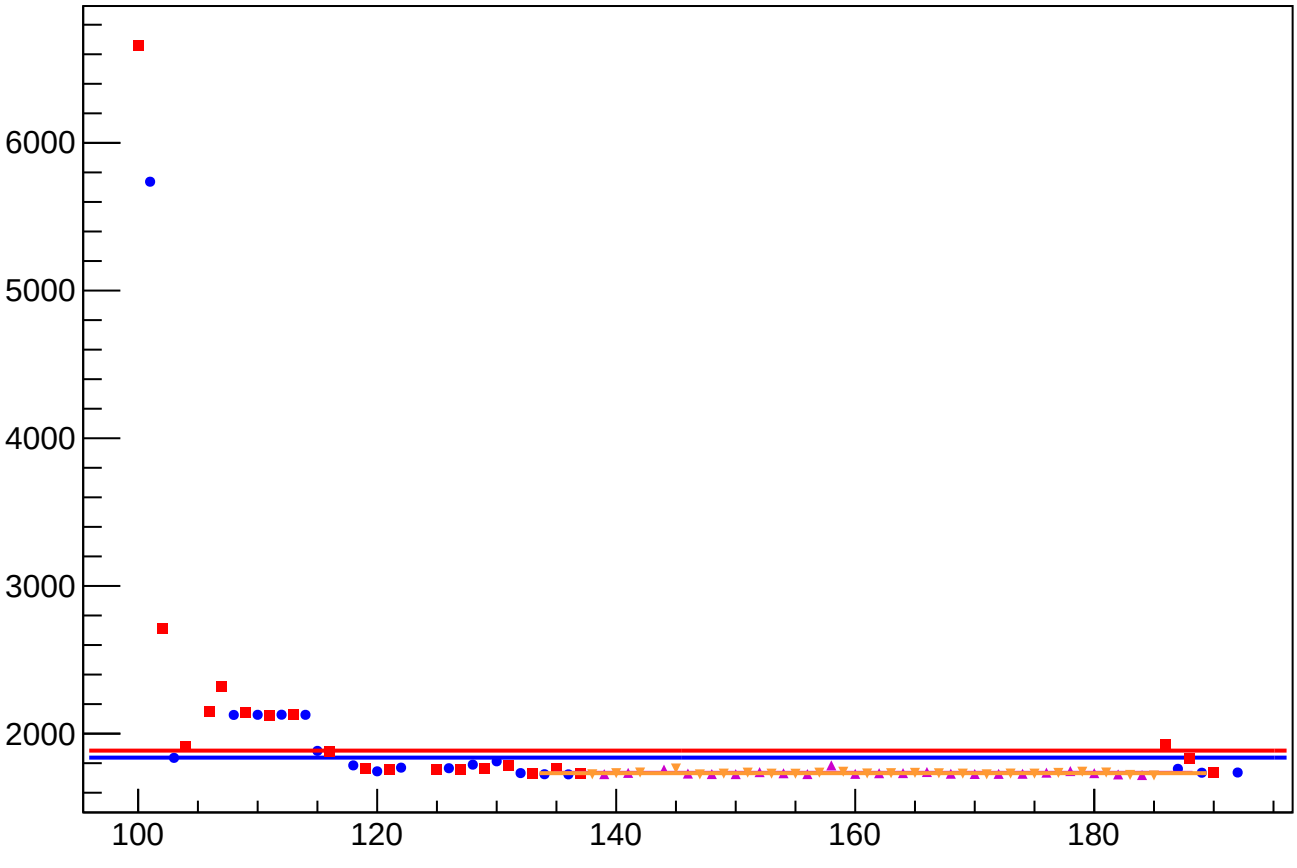
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 199.544+/-447.059 χ^2/NDF: 34.9/39

In: 124.756+/-340.211 χ^2/NDF:46.8/41

Out: 441.595+/-340.083 χ^2/NDF:37.7/44

All: 283.234+/-240.520 χ^2/NDF: 85.0/86



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: 1885.076+/-0.451 χ^2/NDF: 276415.5/20

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

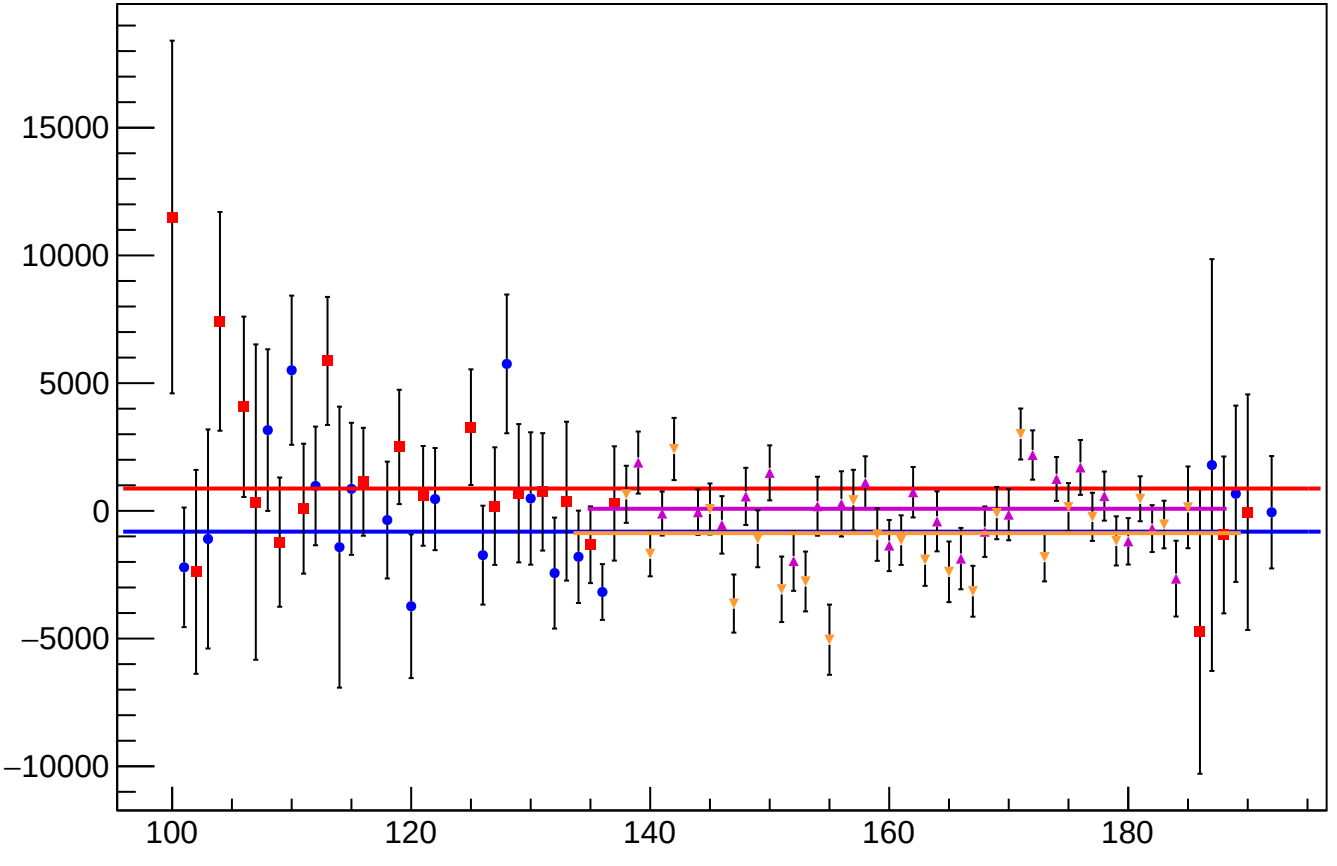
Right: 1860.972+/-0.316 χ^2/NDF: 971037.9/39

In: 1764.909+/-0.241 χ^2/NDF:729349.2/41

Out: 1775.839+/-0.240 χ^2/NDF:359402.8/44

All: 1770.376+/-0.170 χ^2/NDF: 1089784.5/86

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 874.277+/-573.301 χ^2/NDF: 16.4/20

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

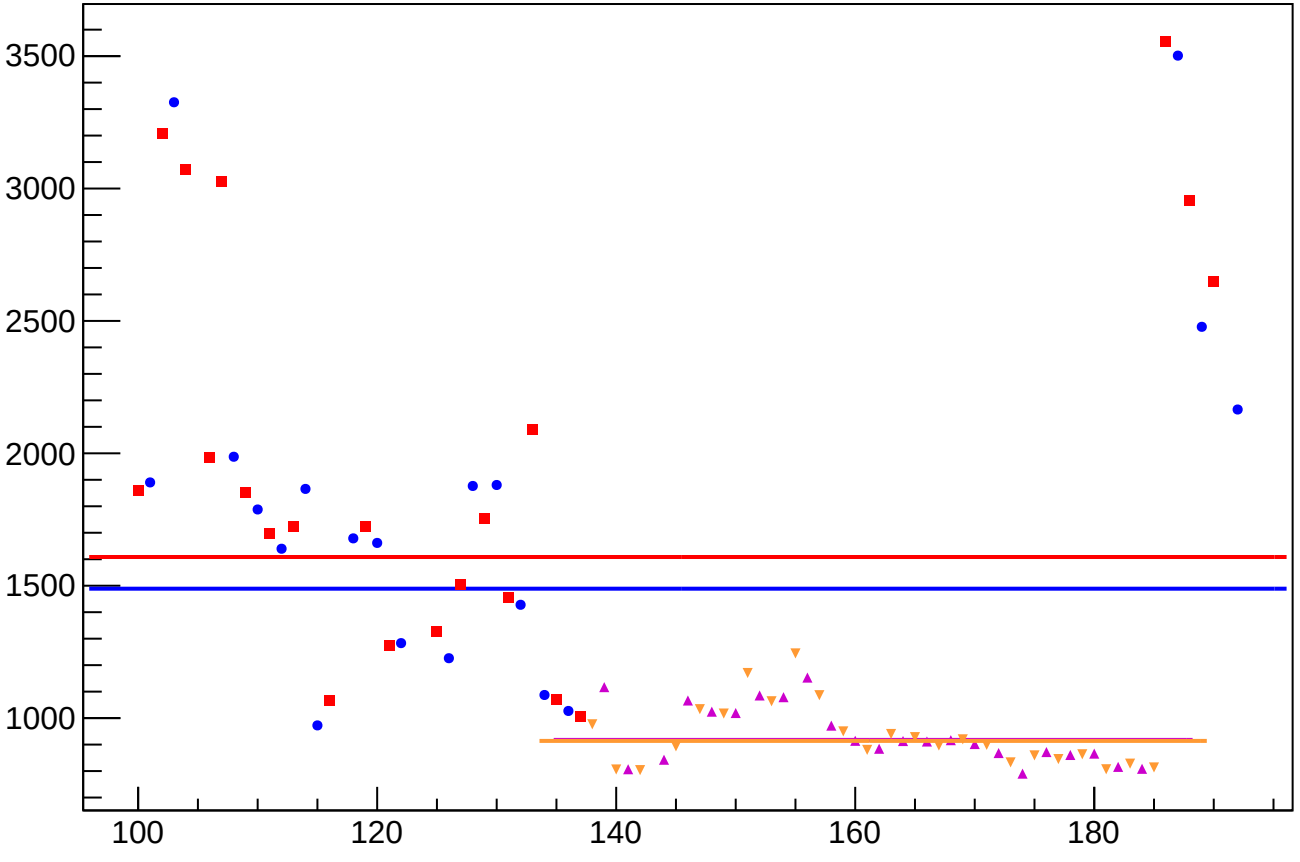
Right: -40.611+/-387.953 χ^2/NDF: 42.5/39

In: -47.150+/-199.791 χ^2/NDF:53.9/41

Out: -659.150+/-200.494 χ^2/NDF:86.5/44

All: -352.075+/-141.521 χ^2/NDF: 145.1/86

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 1608.429+/-0.405 χ^2/NDF: 2137148.4/20

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

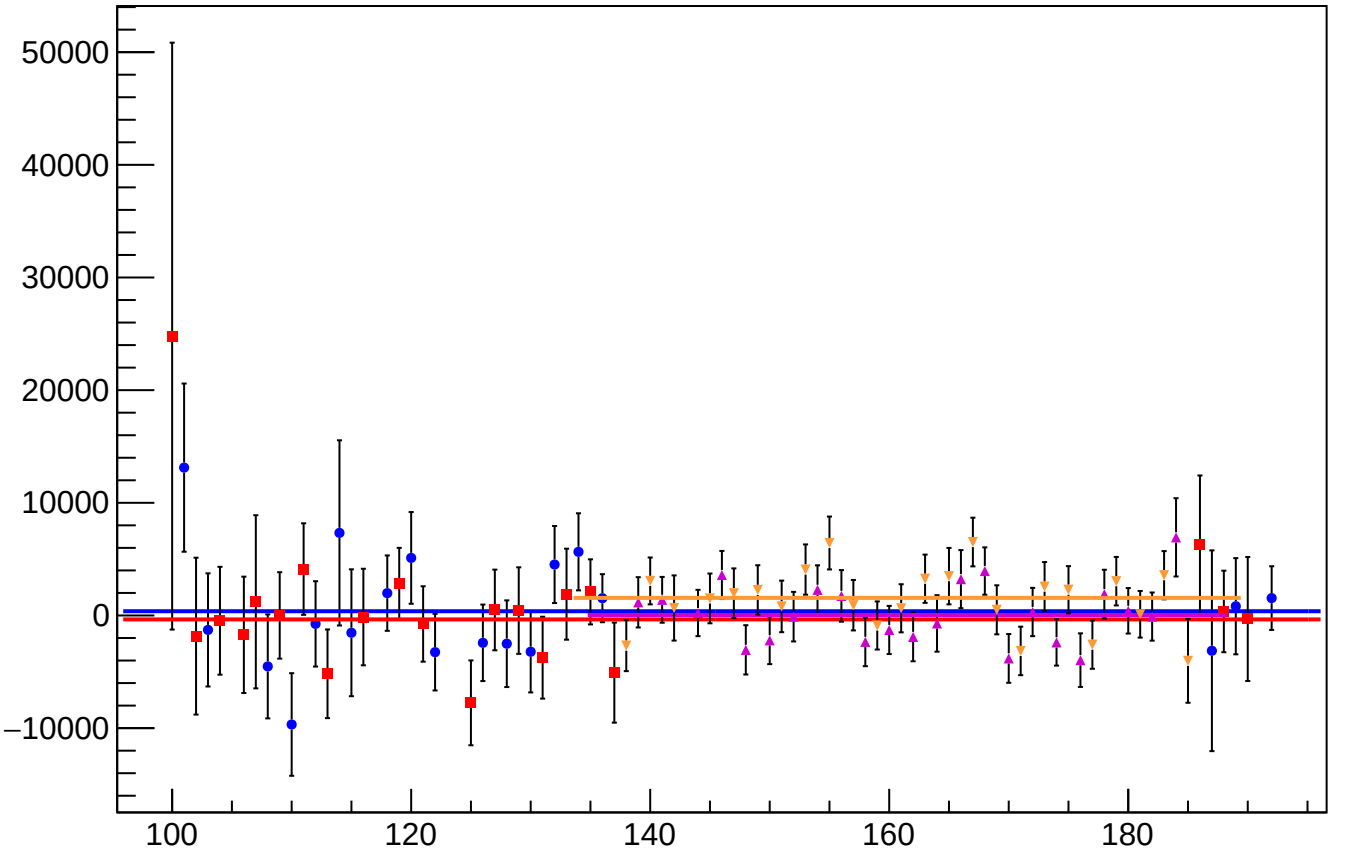
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1543.552+/-0.274 χ^2/NDF: 3879354.9/39

In: 999.774+/-0.141 χ^2/NDF:4136924.4/41

Out: 998.842+/-0.142 χ^2/NDF:5176282.9/44

All: 999.310+/-0.100 χ^2/NDF: 9313228.9/86



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: -348.833+/-907.563 χ^2/NDF: 13.0/20

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

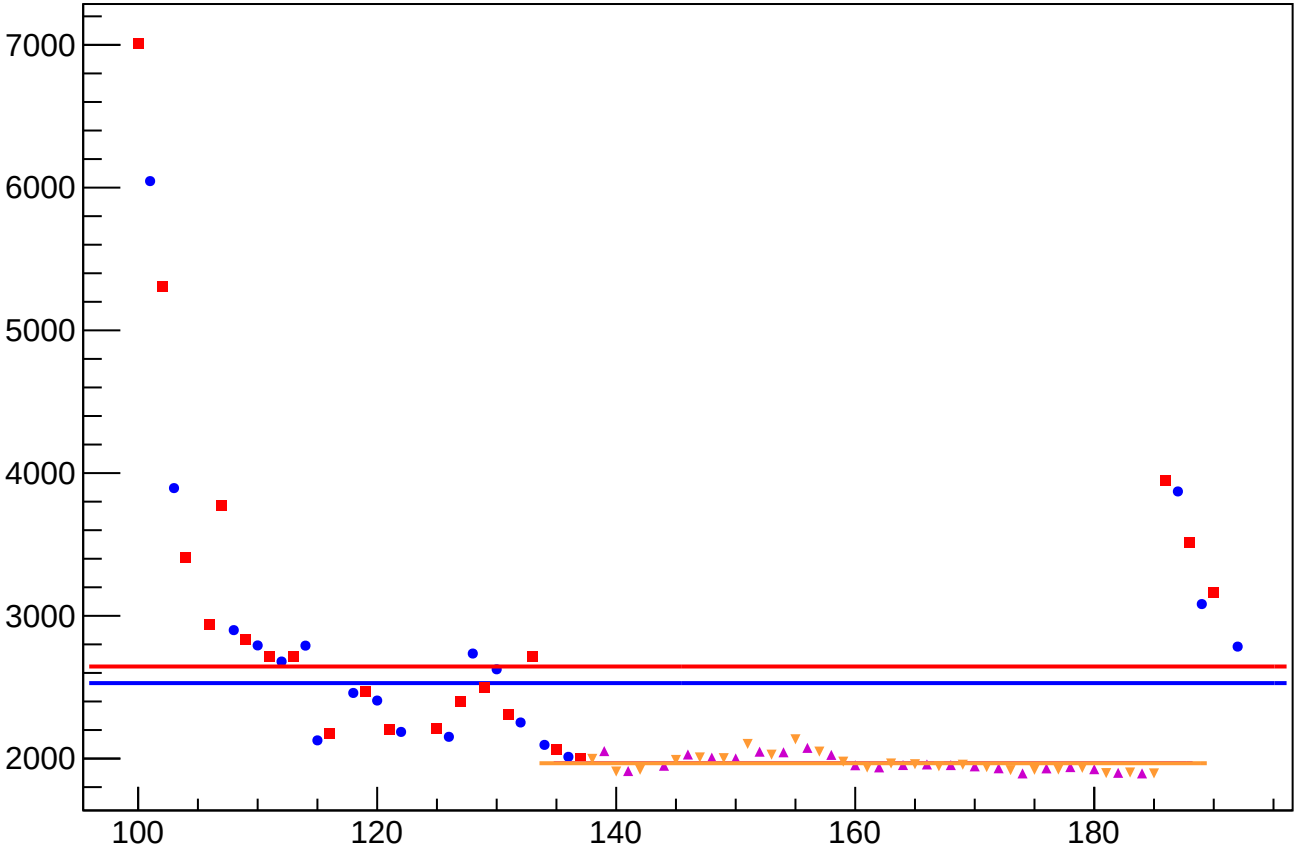
Right: 28.890+/-628.235 χ^2/NDF: 32.7/39

In: 113.324+/-406.665 χ^2/NDF:47.3/41

Out: 1175.139+/-408.089 χ^2/NDF:47.8/44

All: 642.376+/-288.058 χ^2/NDF: 98.5/86

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: 2645.041+/-0.642 χ^2/NDF: 921684.7/20

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

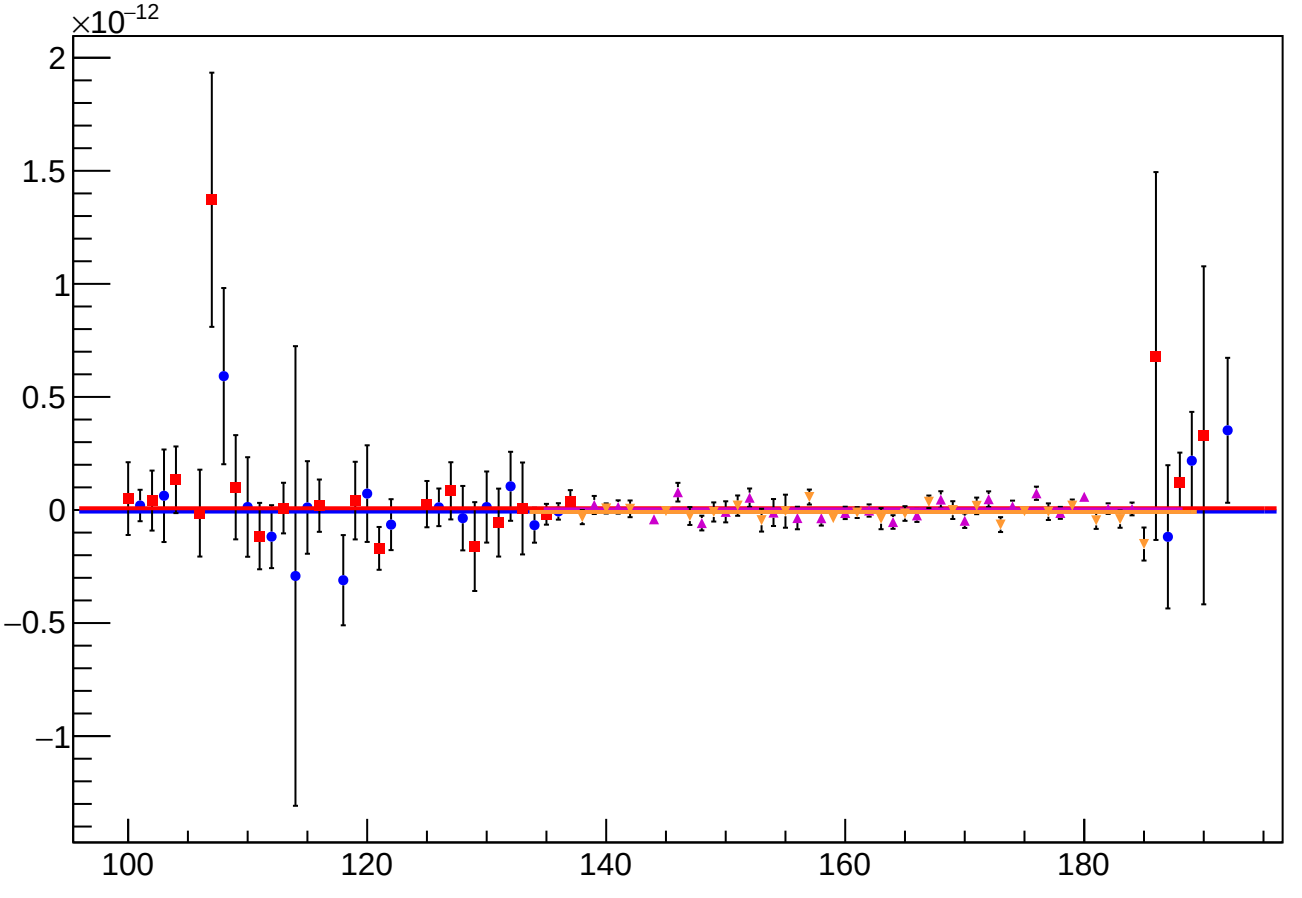
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2584.451+/-0.444 χ^2/NDF: 1878299.9/39

In: 2091.165+/-0.288 χ^2/NDF:1612340.6/41

Out: 2104.424+/-0.289 χ^2/NDF:1845427.7/44

All: 2097.772+/-0.204 χ^2/NDF: 3458827.6/86



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: 14.9/20

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

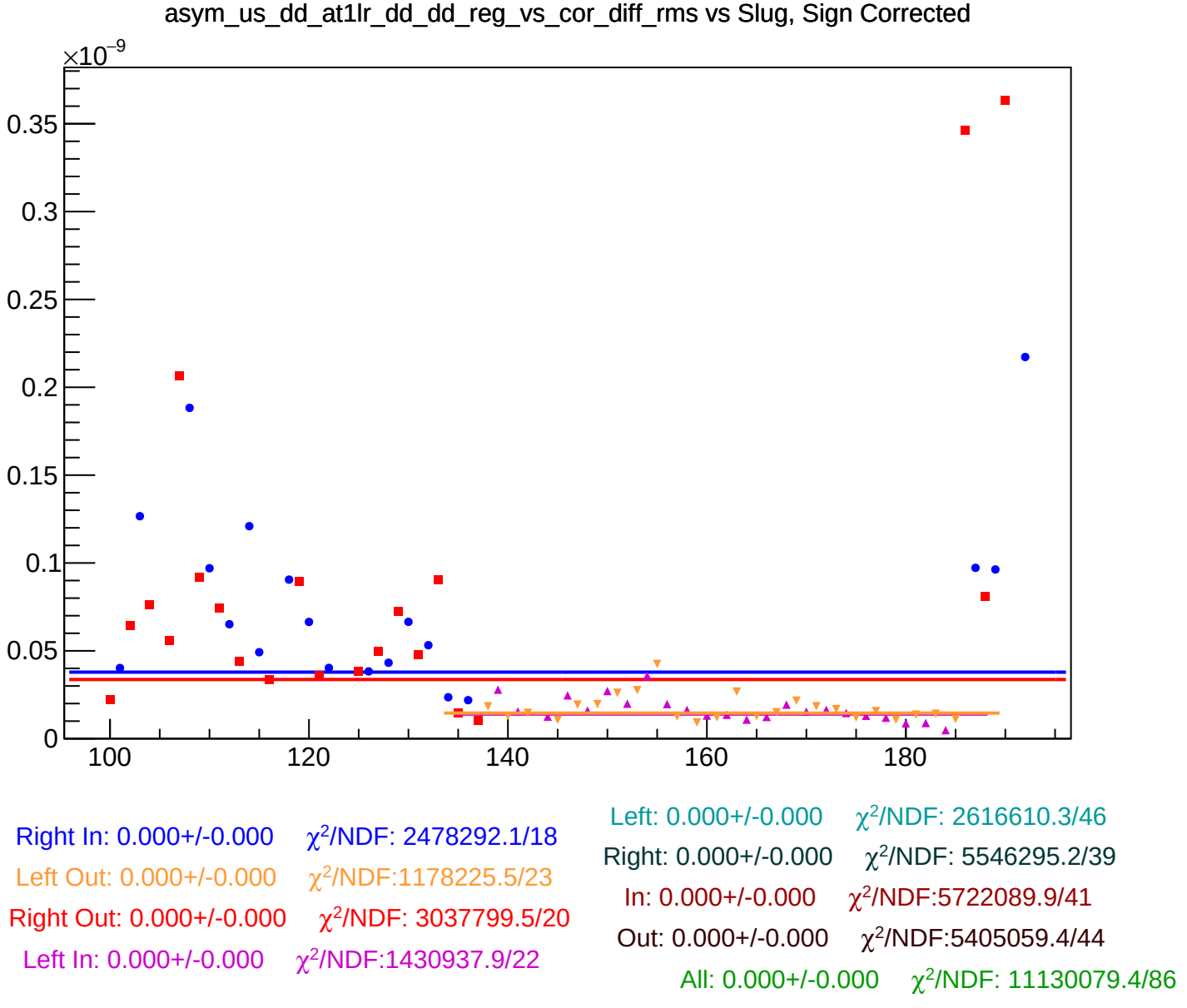
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 24.9/39

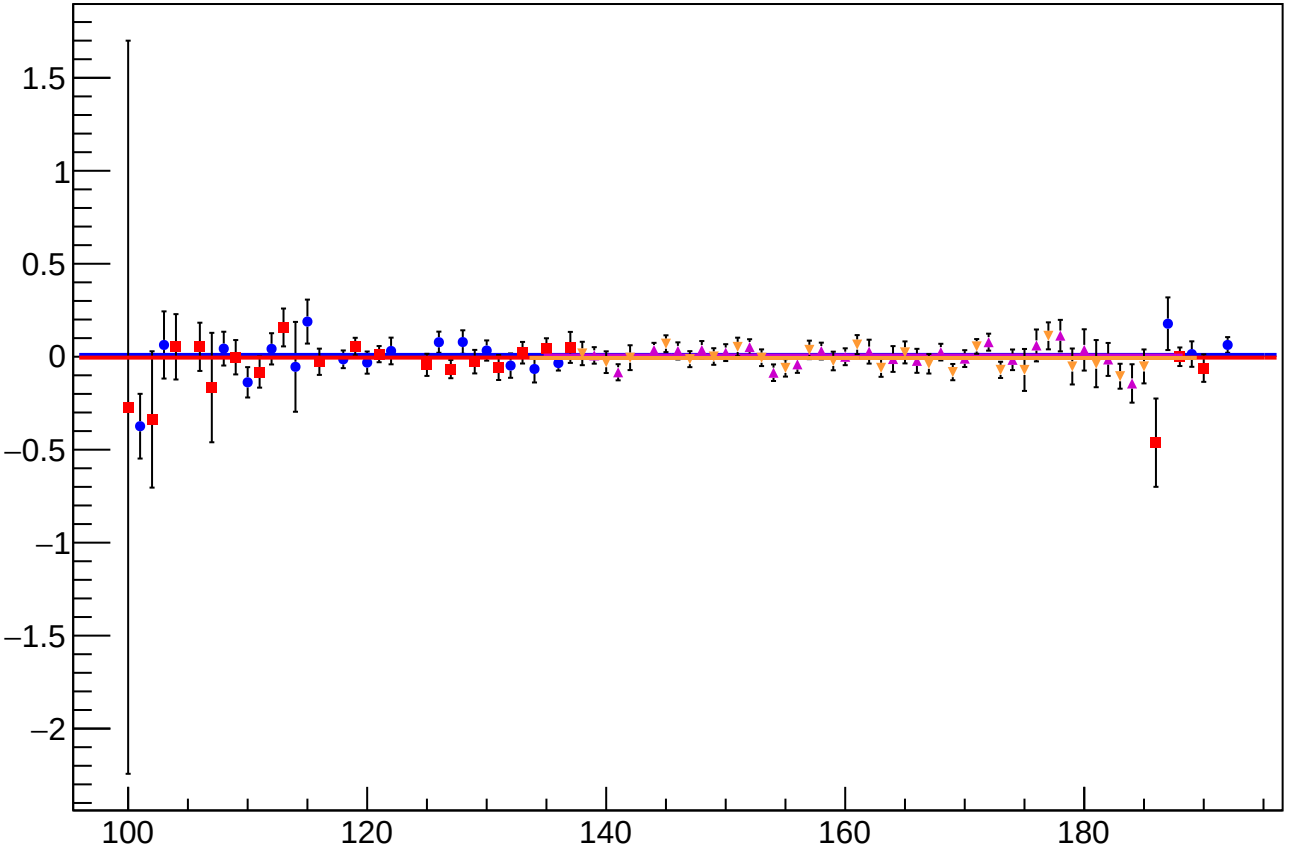
In: 0.000+/-0.000 χ^2/NDF:48.9/41

Out: -0.000+/-0.000 χ^2/NDF:36.1/44

All: -0.000+/-0.000 χ^2/NDF: 86.2/86


asym_us_dd_at1lr_dd_dd_reg_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: 2478292.1/18
Left Out: 0.000+/-0.000 χ²/NDF:1178225.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 3037799.5/20
Left In: 0.000+/-0.000 χ²/NDF:1430937.9/22
Left: 0.000+/-0.000 χ²/NDF: 2616610.3/46
Right: 0.000+/-0.000 χ²/NDF: 5546295.2/39
In: 0.000+/-0.000 χ²/NDF:5722089.9/41
Out: 0.000+/-0.000 χ²/NDF:5405059.4/44
All: 0.000+/-0.000 χ²/NDF: 11130079.4/86

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: -0.005+/-0.015 χ^2/NDF: 15.3/20

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

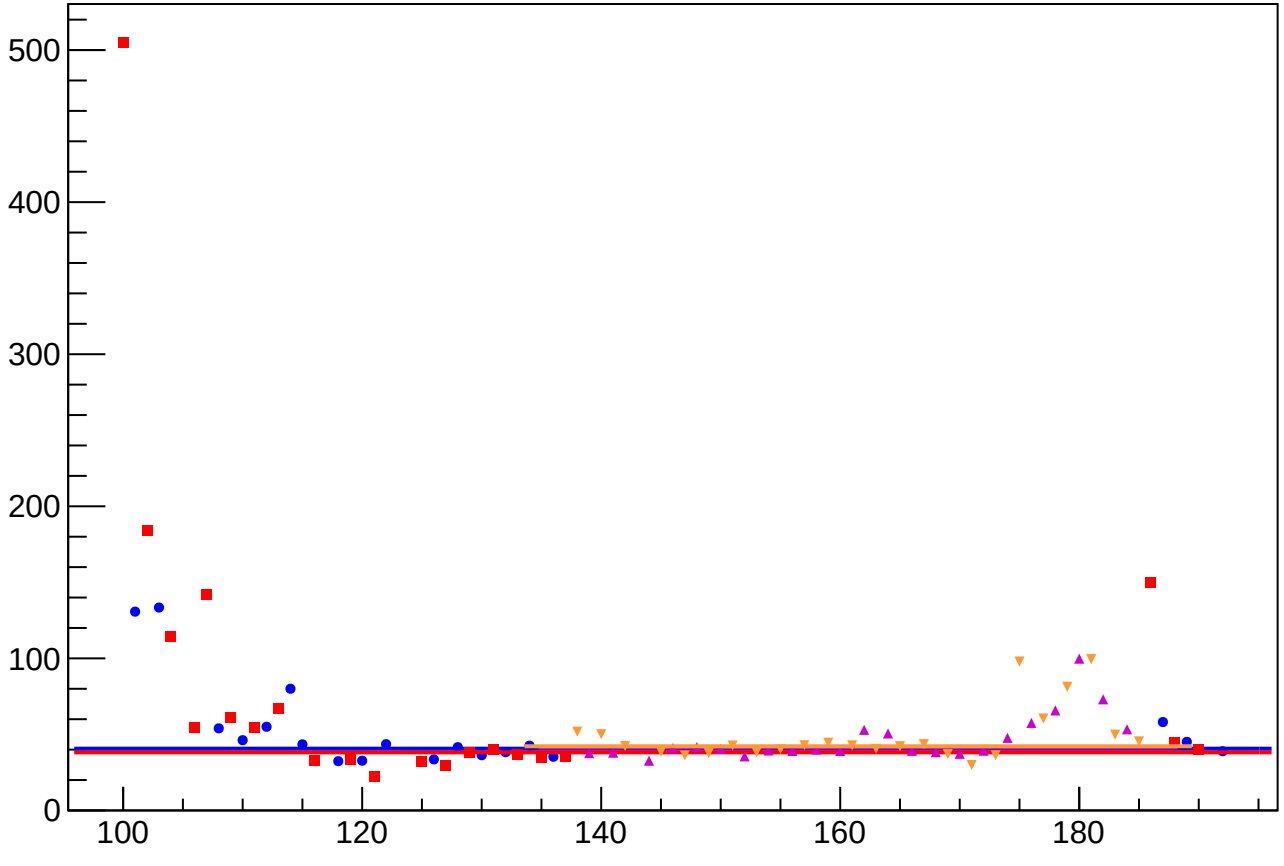
Right: 0.002+/-0.011 χ^2/NDF: 36.3/39

In: 0.007+/-0.009 χ^2/NDF:40.7/41

Out: -0.006+/-0.009 χ^2/NDF:39.2/44

All: 0.001+/-0.006 χ^2/NDF: 81.1/86

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: 38.205+/-0.011 χ^2/NDF: 2331100.5/20

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

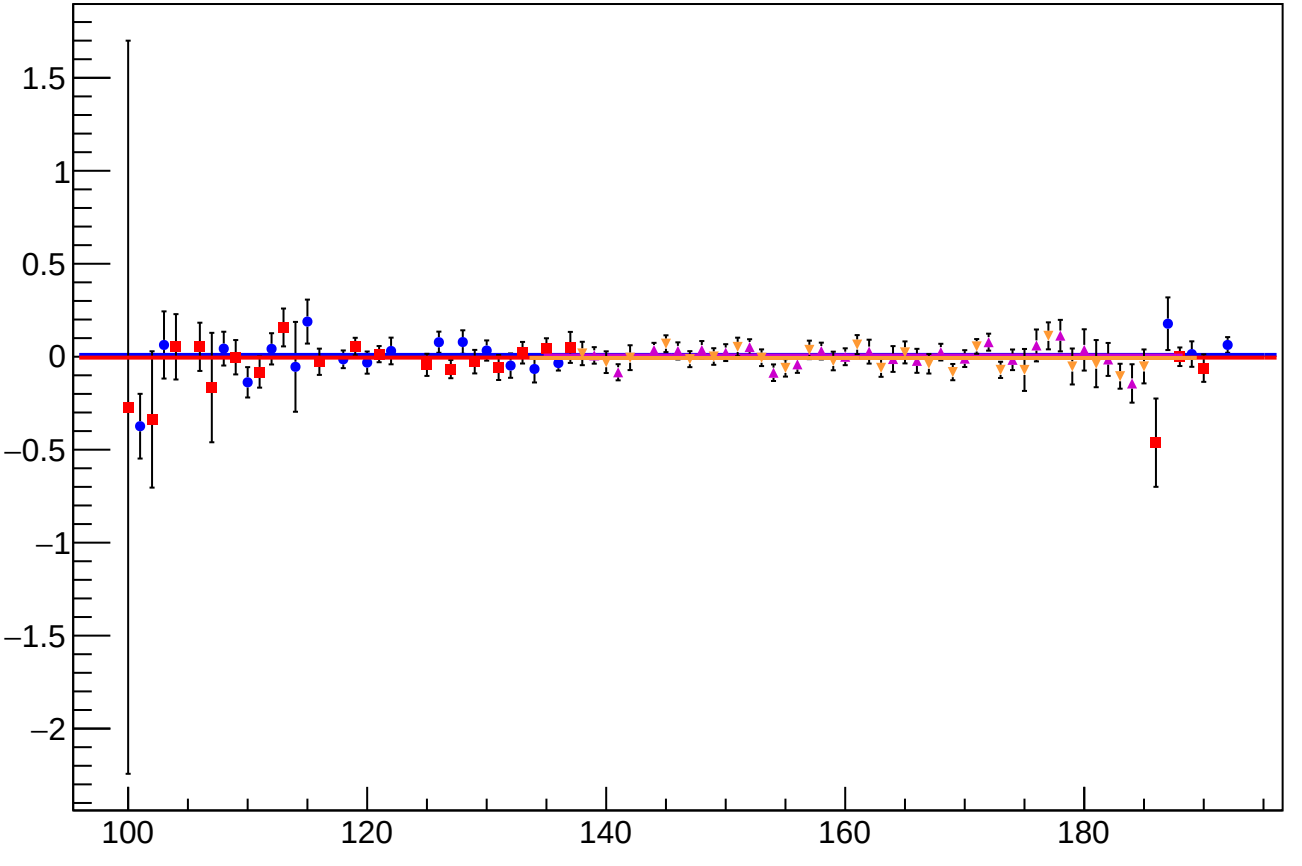
Right: 39.418+/-0.008 χ^2/NDF: 3808498.8/39

In: 41.156+/-0.006 χ^2/NDF:2868721.9/41

Out: 40.872+/-0.006 χ^2/NDF:4240169.5/44

All: 41.016+/-0.004 χ^2/NDF: 7109919.4/86

asym_us_dd_at1lr_dd_dd_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: -0.005+/-0.015 χ^2/NDF: 15.3/20

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

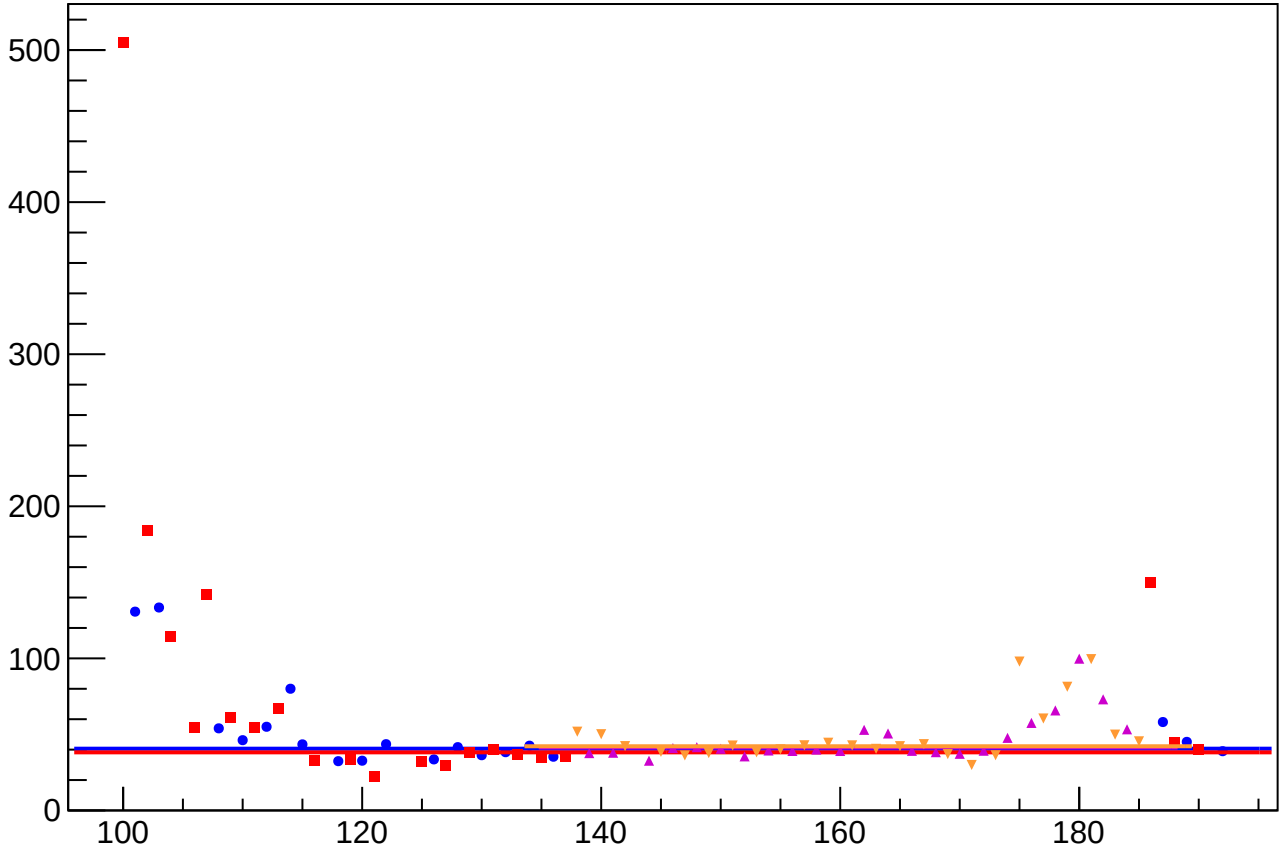
Right: 0.002+/-0.011 χ^2/NDF: 36.3/39

In: 0.007+/-0.009 χ^2/NDF:40.7/41

Out: -0.006+/-0.009 χ^2/NDF:39.2/44

All: 0.001+/-0.006 χ^2/NDF: 81.1/86

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: 38.205+/-0.011 χ^2/NDF: 2331100.5/20

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

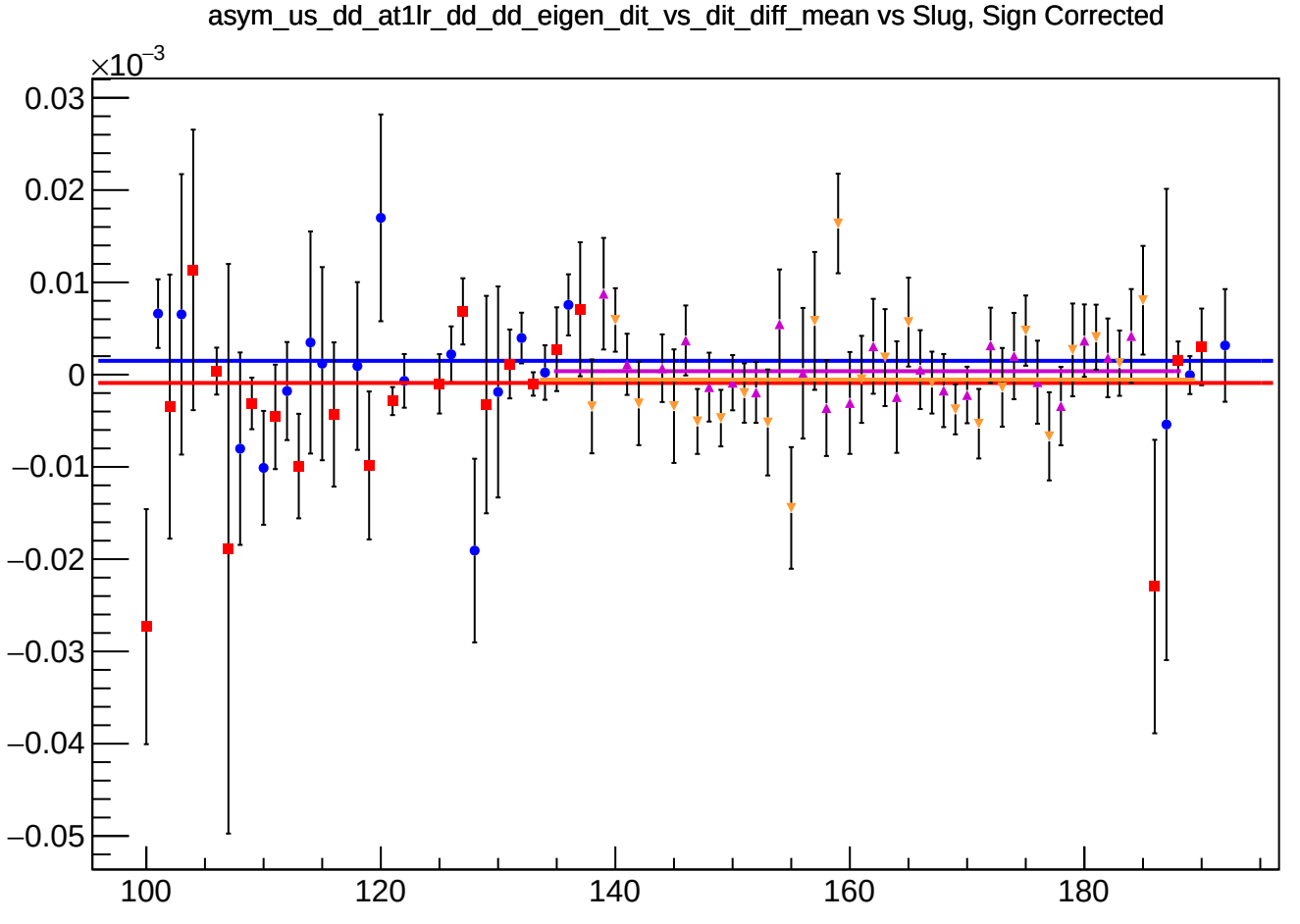
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 39.418+/-0.008 χ^2/NDF: 3808498.8/39

In: 41.156+/-0.006 χ^2/NDF:2868721.9/41

Out: 40.872+/-0.006 χ^2/NDF:4240169.5/44

All: 41.016+/-0.004 χ^2/NDF: 7109919.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/20

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

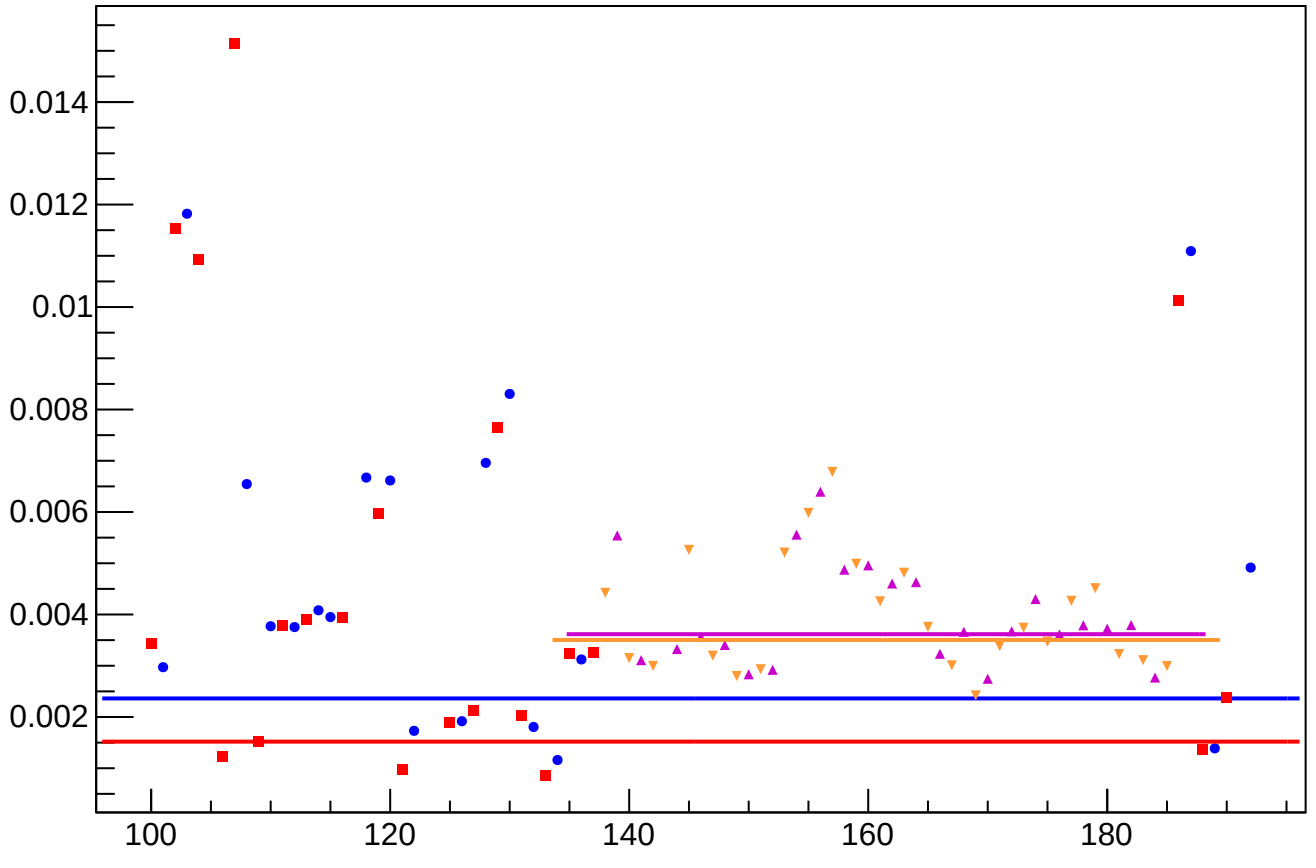
Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

Right: -0.000+/-0.000 χ^2/NDF: 46.0/39

In: 0.000+/-0.000 χ^2/NDF:29.1/41

Out: -0.000+/-0.000 χ^2/NDF:60.2/44

All: -0.000+/-0.000 χ^2/NDF: 93.0/86



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: 6249438.4/20

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

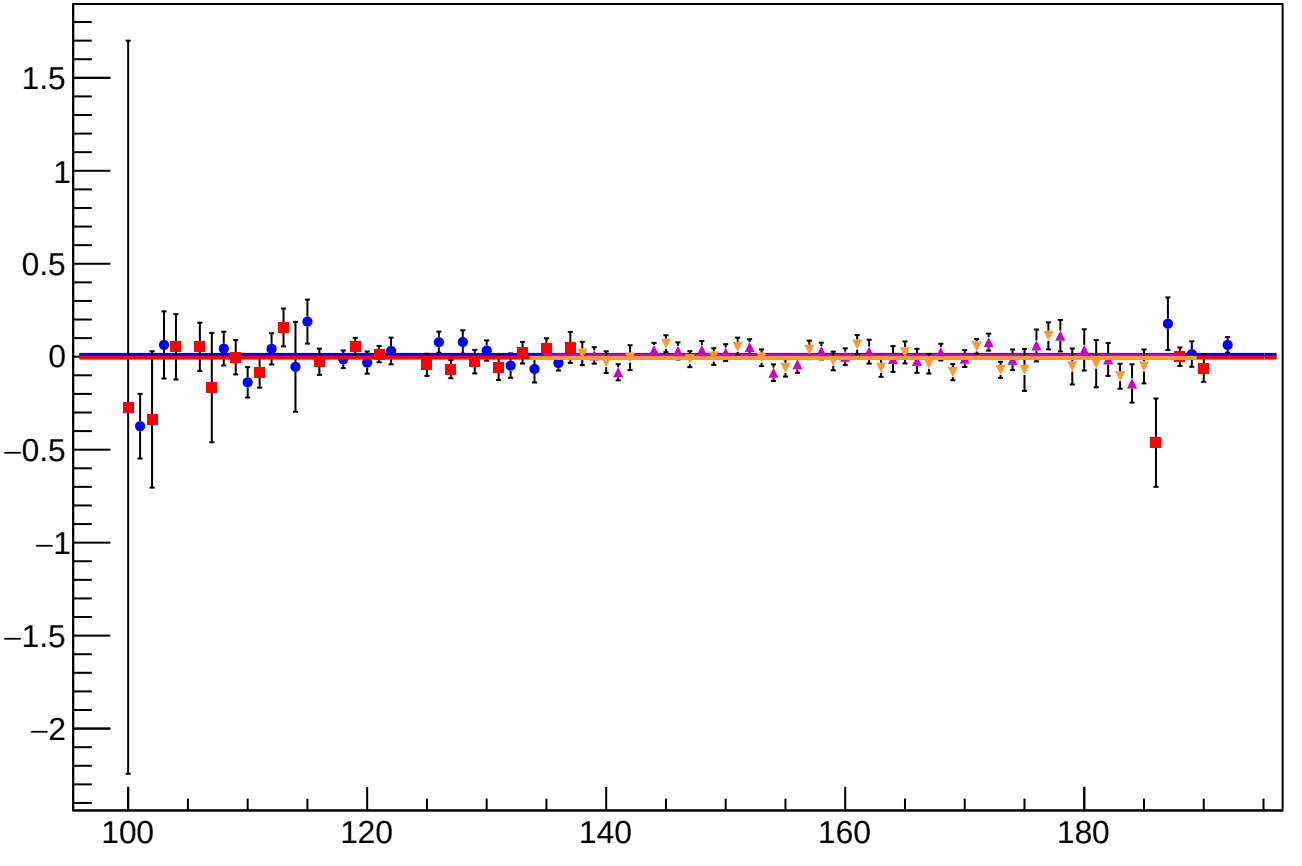
Right: 0.002+/-0.000 χ^2/NDF: 12098563.1/39

In: 0.003+/-0.000 χ^2/NDF:8359219.9/41

Out: 0.002+/-0.000 χ^2/NDF:15012162.0/44

All: 0.003+/-0.000 χ^2/NDF: 24907473.3/86

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: -0.005+/-0.015 χ^2/NDF: 15.3/20

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

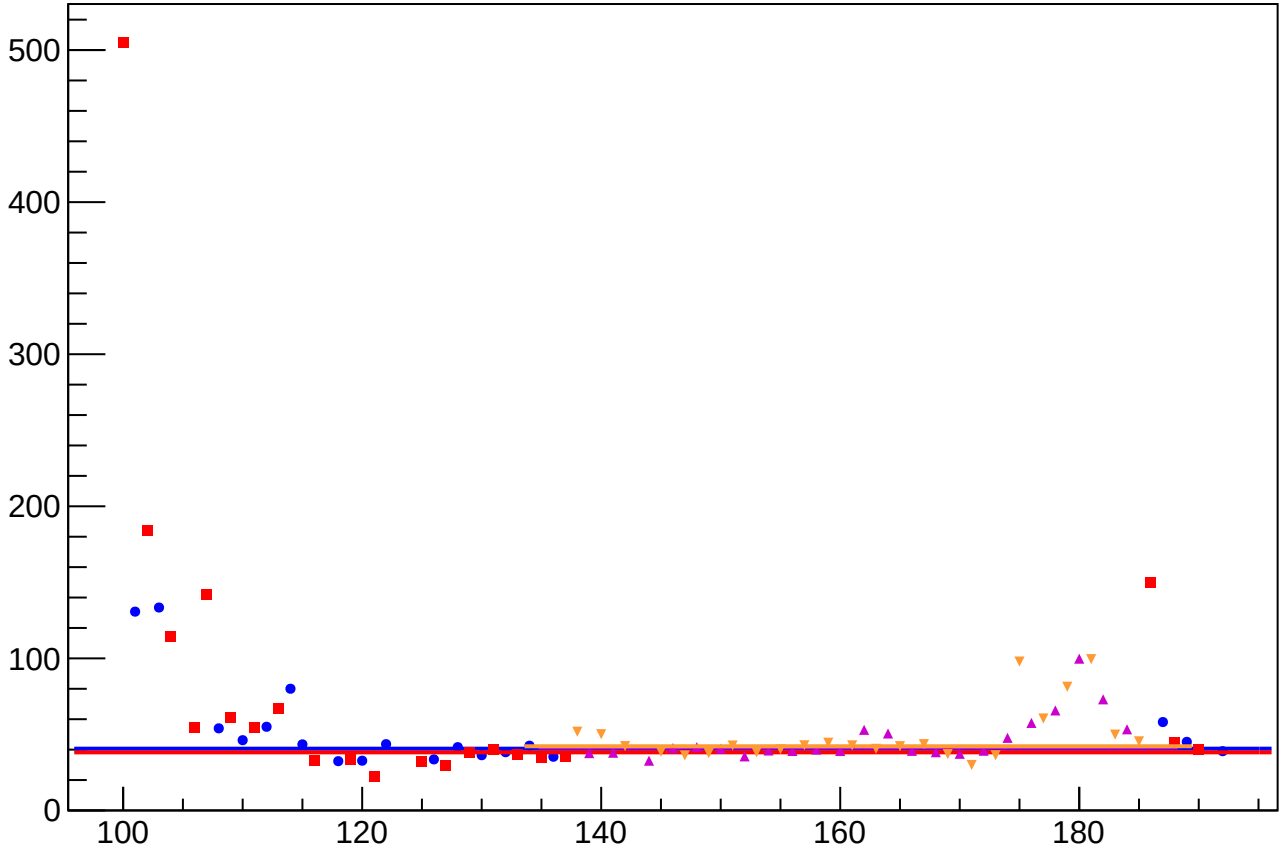
Right: 0.002+/-0.011 χ^2/NDF: 36.3/39

In: 0.007+/-0.009 χ^2/NDF:40.7/41

Out: -0.006+/-0.009 χ^2/NDF:39.2/44

All: 0.001+/-0.006 χ^2/NDF: 81.1/86

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: 38.205+/-0.011 χ^2/NDF: 2331098.9/20

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

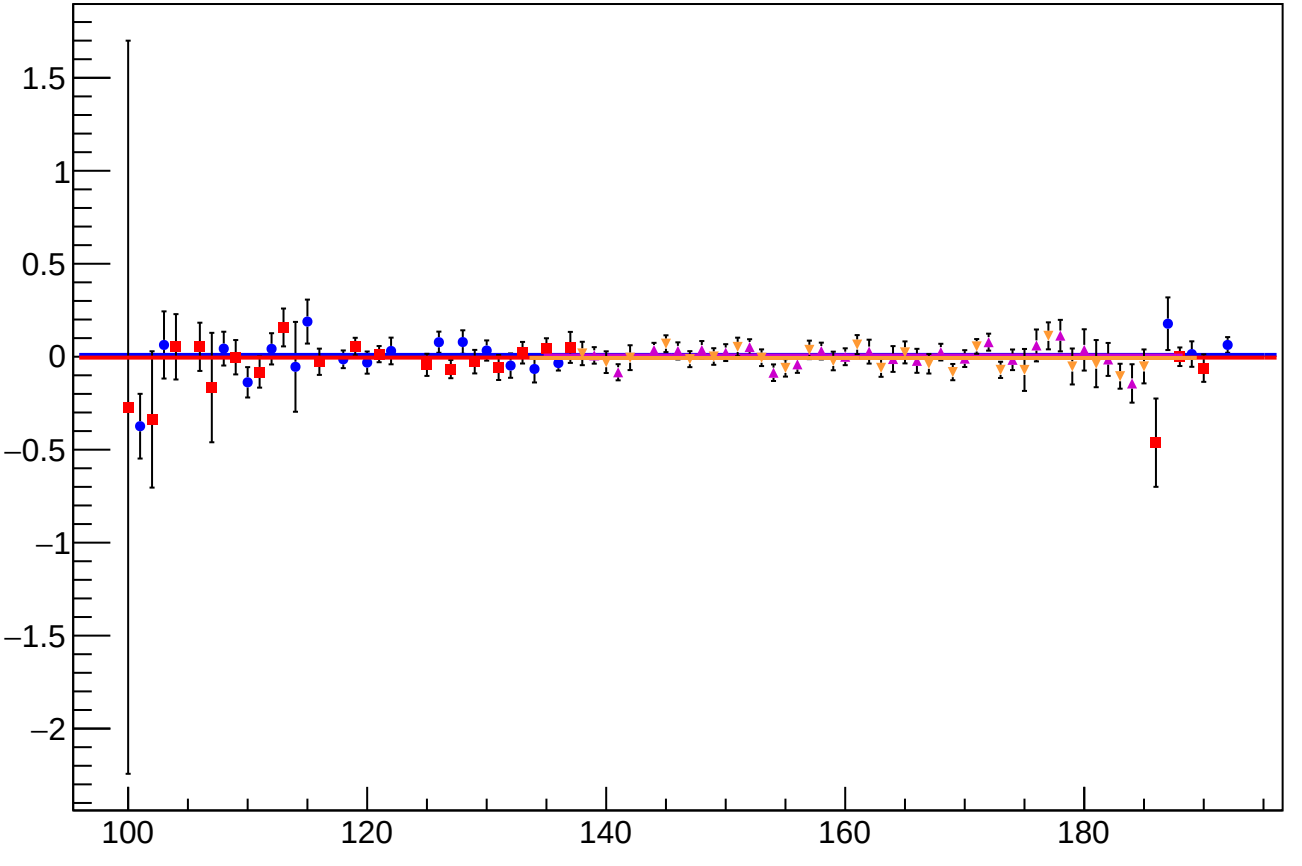
Right: 39.417+/-0.008 χ^2/NDF: 3808399.8/39

In: 41.156+/-0.006 χ^2/NDF:2868520.1/41

Out: 40.871+/-0.006 χ^2/NDF:4240205.0/44

All: 41.015+/-0.004 χ^2/NDF: 7109757.8/86

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: -0.005+/-0.015 χ^2/NDF: 15.3/20

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

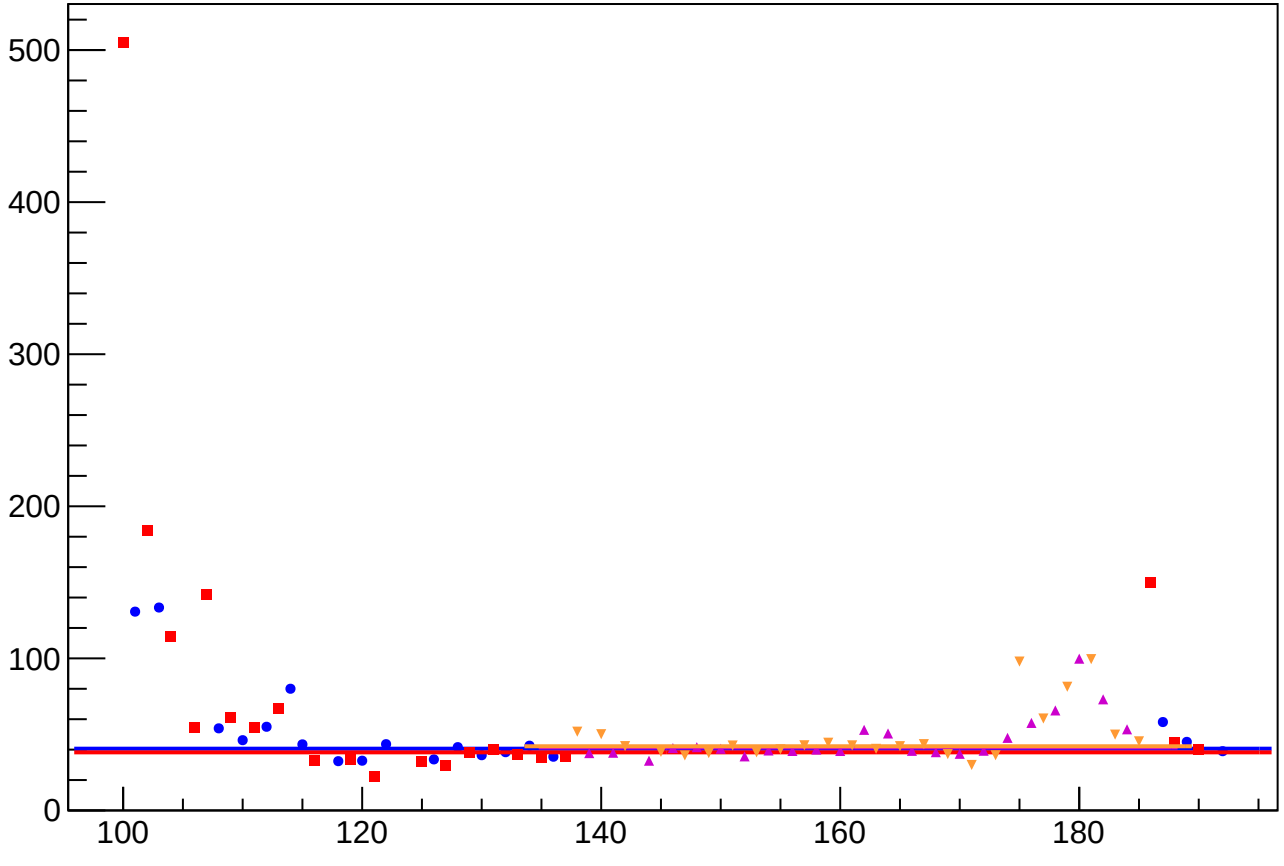
Right: 0.002+/-0.011 χ^2/NDF: 36.3/39

In: 0.007+/-0.009 χ^2/NDF:40.7/41

Out: -0.006+/-0.009 χ^2/NDF:39.2/44

All: 0.001+/-0.006 χ^2/NDF: 81.1/86

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: 38.205+/-0.011 χ^2/NDF: 2331098.9/20

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

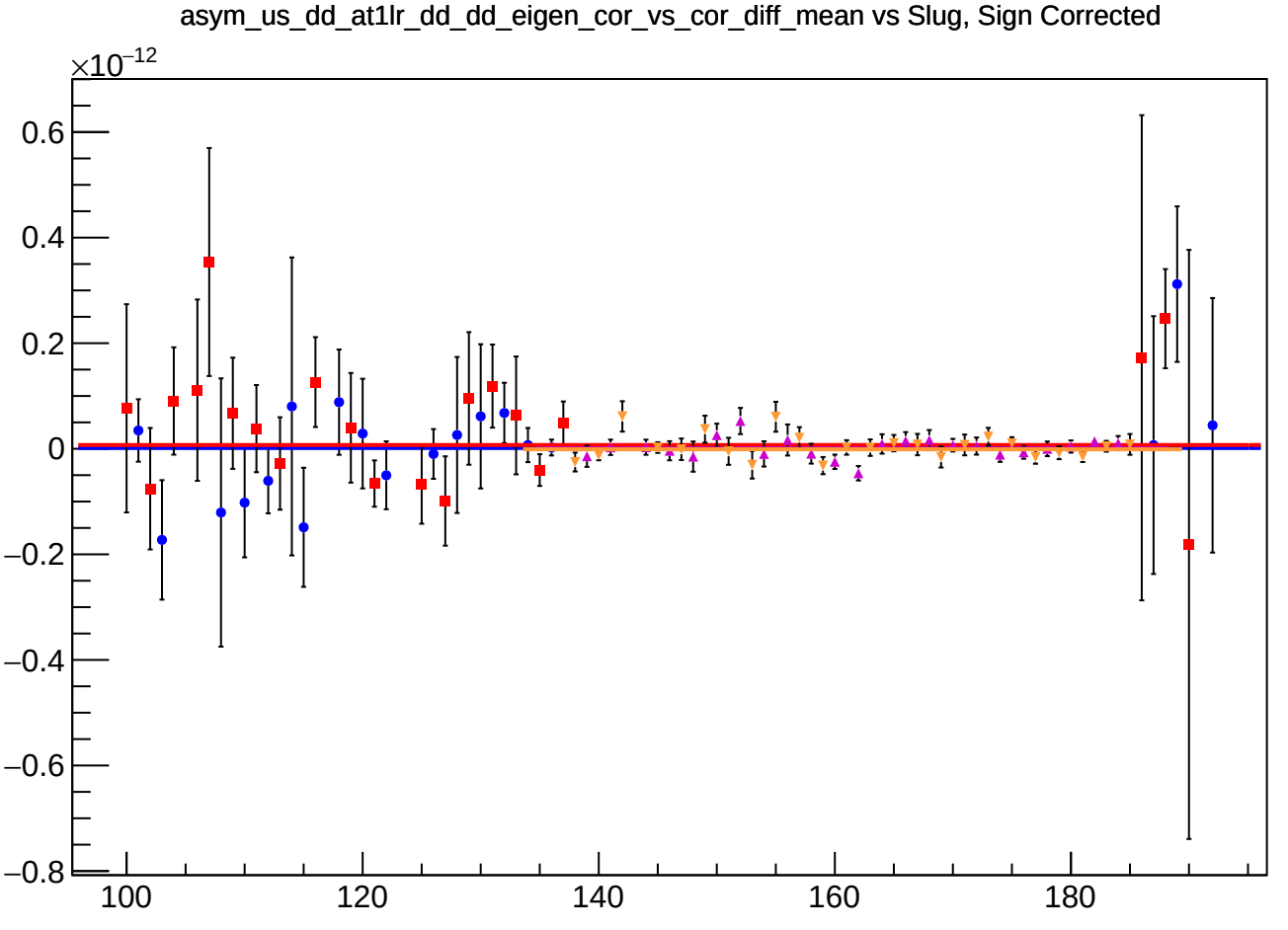
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

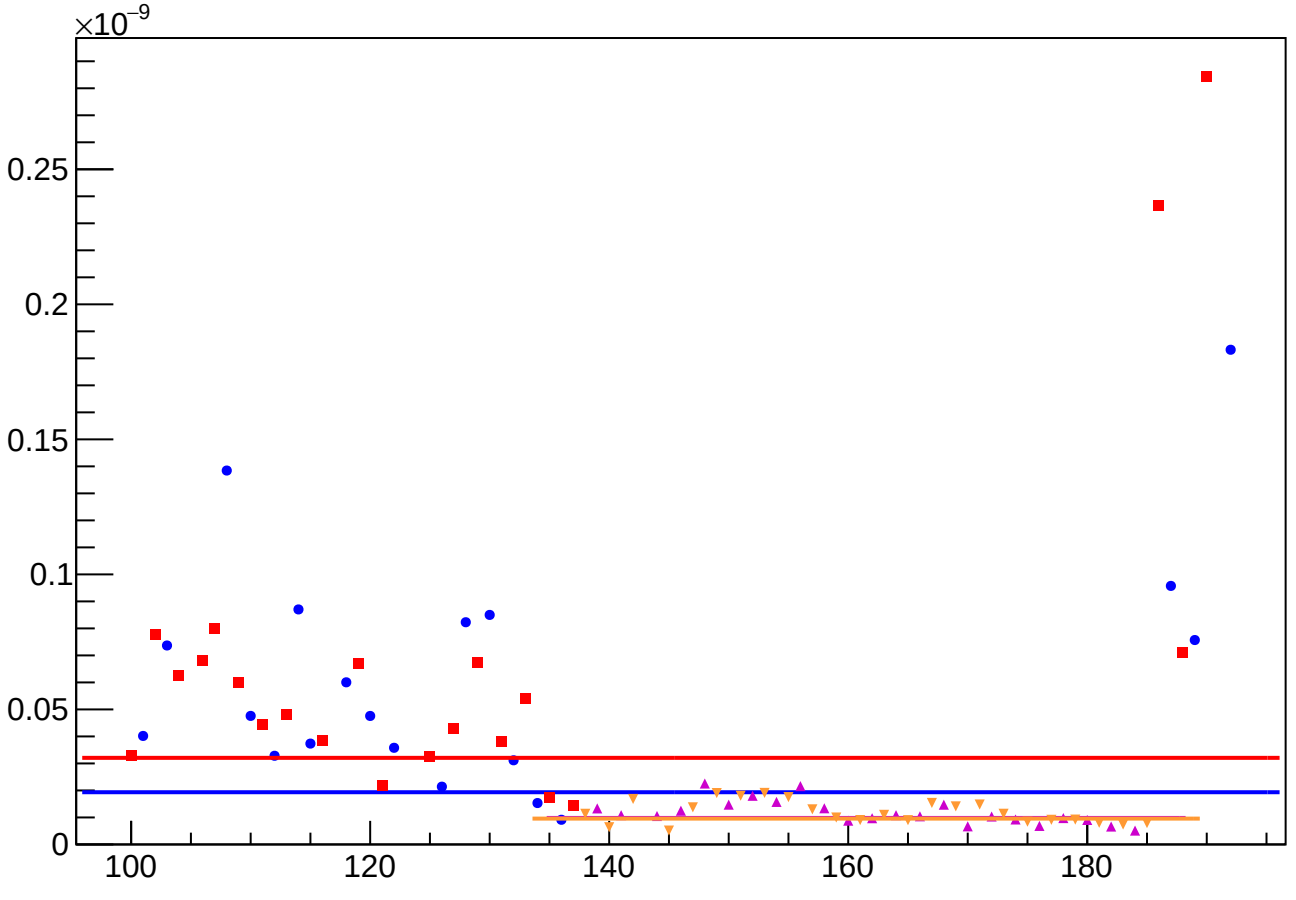
Right: 39.417+/-0.008 χ^2/NDF: 3808399.8/39

In: 41.156+/-0.006 χ^2/NDF:2868520.1/41

Out: 40.871+/-0.006 χ^2/NDF:4240205.0/44

All: 41.015+/-0.004 χ^2/NDF: 7109757.8/86


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 14.4/18
Left Out: -0.000+/-0.000 χ²/NDF:29.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 25.3/20
Left In: 0.000+/-0.000 χ²/NDF:28.3/22
Left: -0.000+/-0.000 χ²/NDF: 57.9/46
Right: 0.000+/-0.000 χ²/NDF: 39.8/39
In: 0.000+/-0.000 χ²/NDF:42.7/41
Out: -0.000+/-0.000 χ²/NDF:55.0/44
All: -0.000+/-0.000 χ²/NDF: 97.8/86



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: 3555251.8/20

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

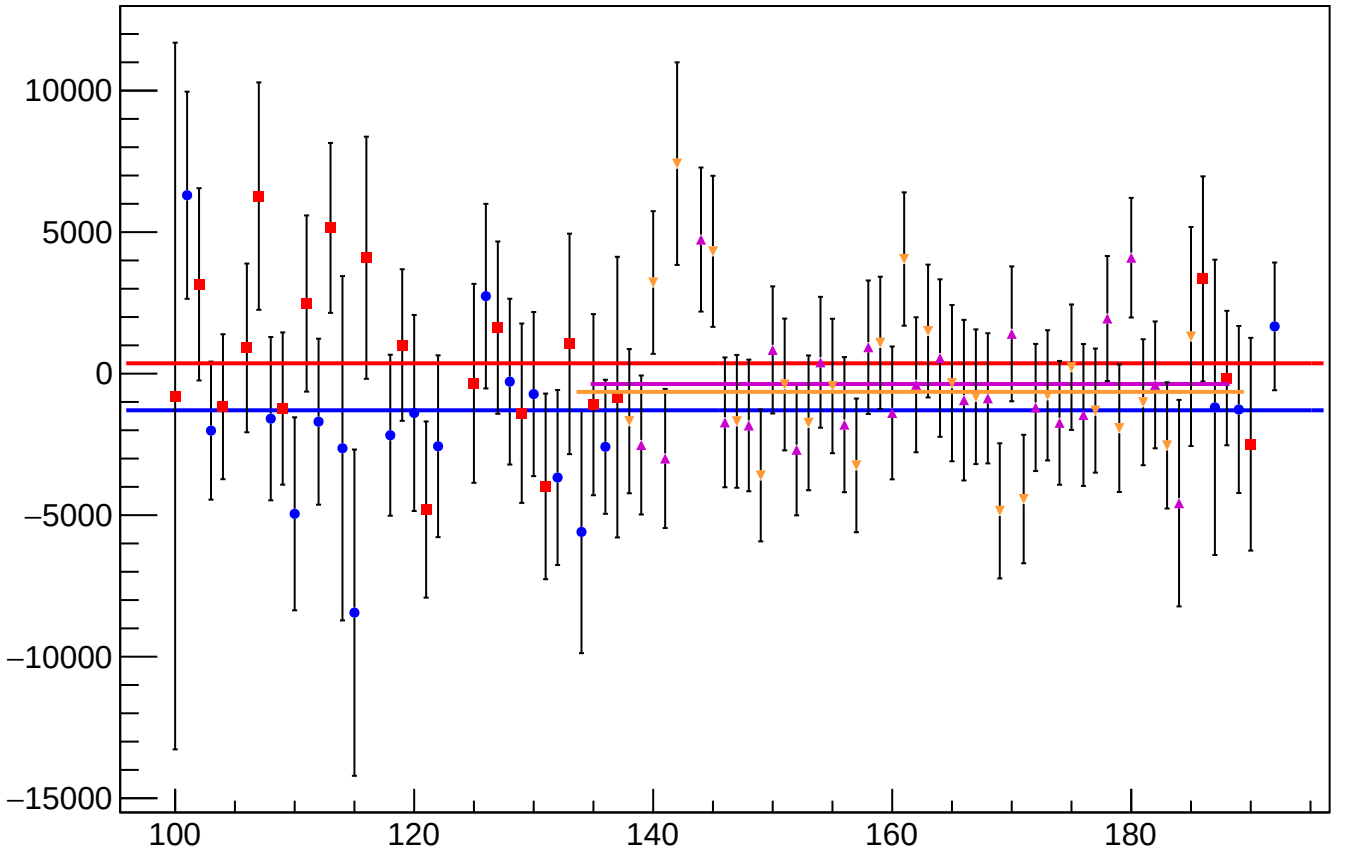
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 9823945.2/39

In: 0.000+/-0.000 χ^2/NDF:8971471.3/41

Out: 0.000+/-0.000 χ^2/NDF:9723890.6/44

All: 0.000+/-0.000 χ^2/NDF: 18697497.4/86



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: 365.747+/-710.699 χ^2/NDF: 14.0/20

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

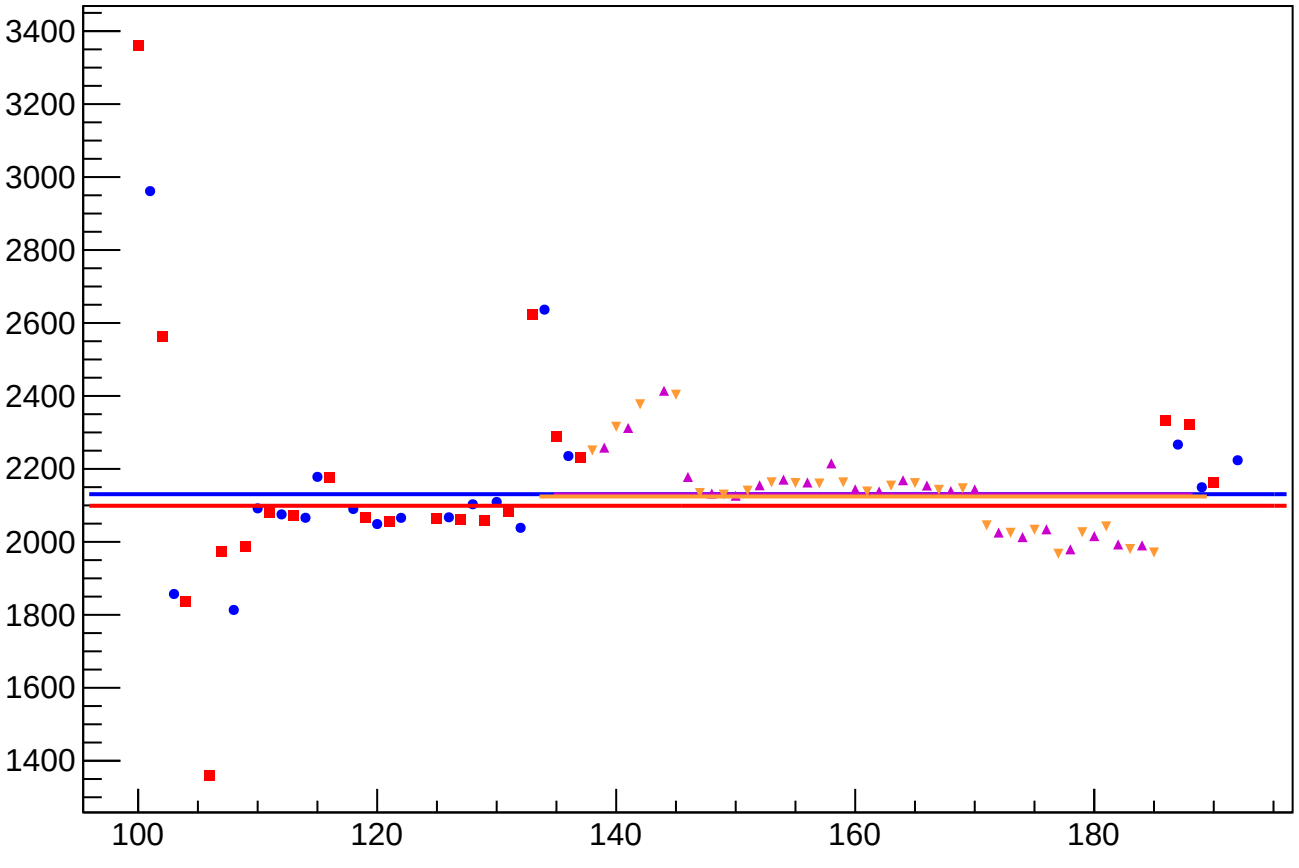
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -456.285+/-504.986 χ^2/NDF: 29.5/39

In: -668.211+/-409.086 χ^2/NDF:31.2/41

Out: -315.224+/-405.457 χ^2/NDF:42.5/44

All: -490.145+/-287.976 χ^2/NDF: 74.1/86



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: 2098.981+/-0.503 χ^2/NDF: 280421.5/20

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

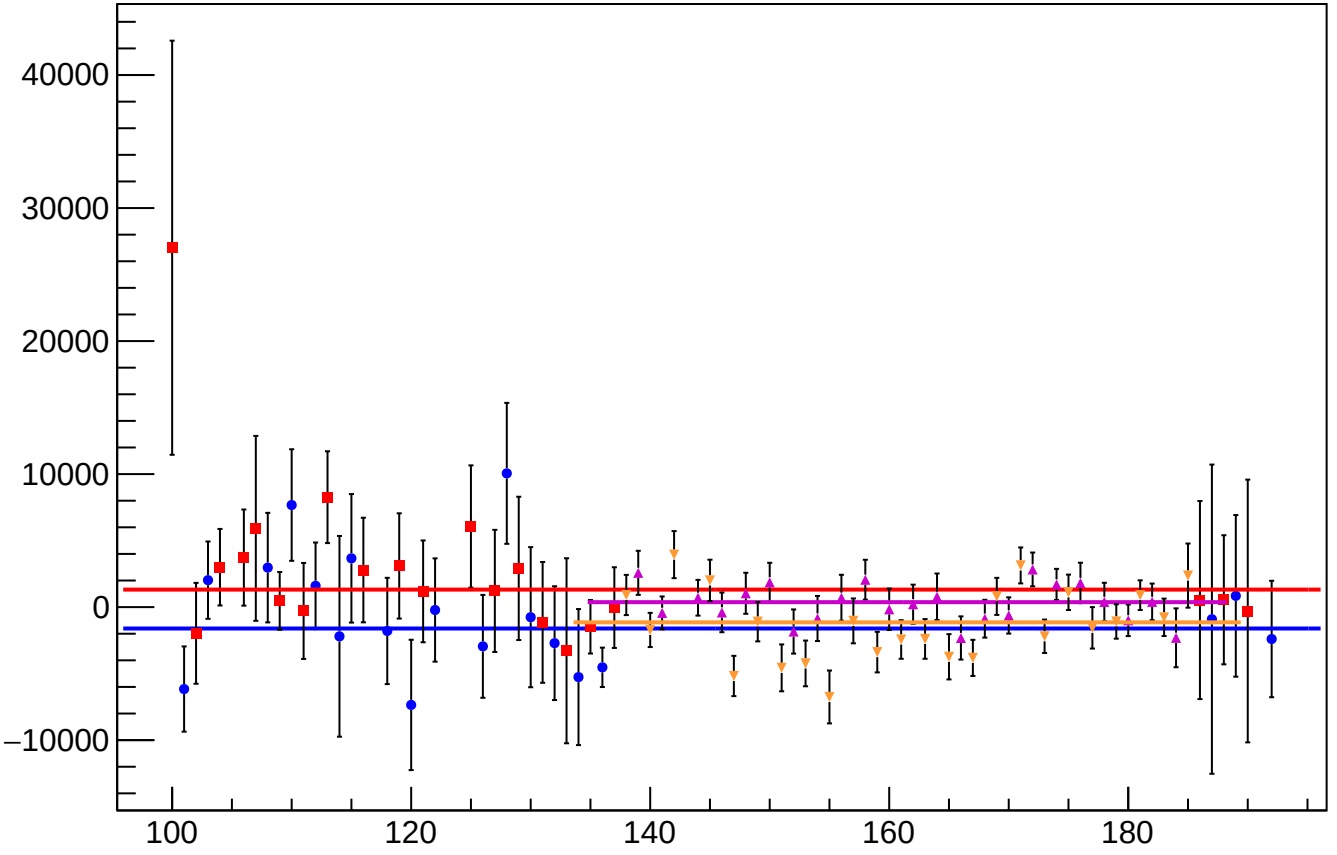
Right: 2114.698+/-0.357 χ^2/NDF: 477972.6/39

In: 2130.166+/-0.289 χ^2/NDF:280931.5/41

Out: 2116.151+/-0.287 χ^2/NDF:371336.4/44

All: 2123.096+/-0.204 χ^2/NDF: 653452.0/86

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: 1317.208+/-820.168 χ^2/NDF: 13.5/20

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

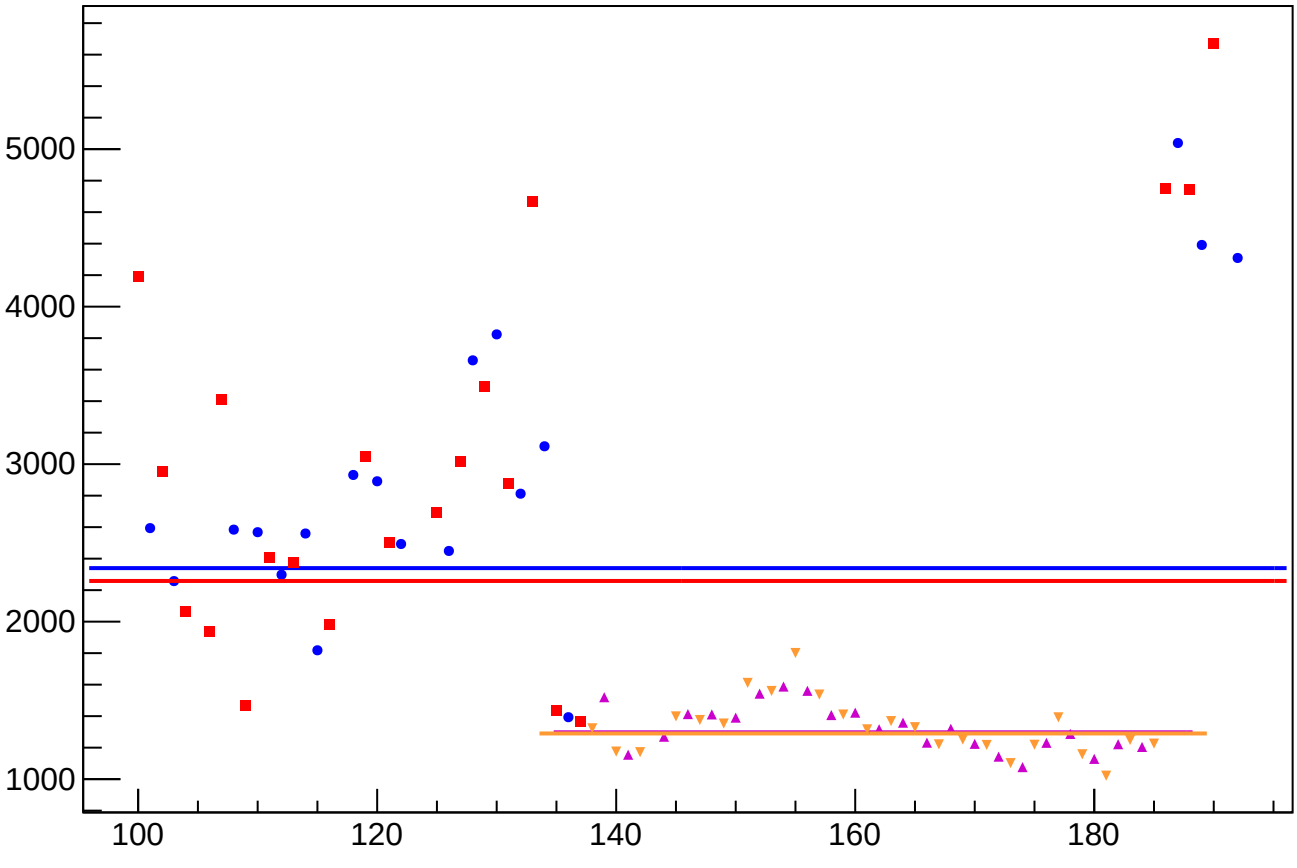
Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

Right: -117.543+/-585.427 χ^2/NDF: 42.8/39

In: 140.021+/-286.836 χ^2/NDF:48.3/41

Out: -850.025+/-283.802 χ^2/NDF:89.0/44

All: -360.266+/-201.742 χ^2/NDF: 143.3/86



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: 2258.306+/-0.580 χ^2/NDF: 2494961.1/20

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

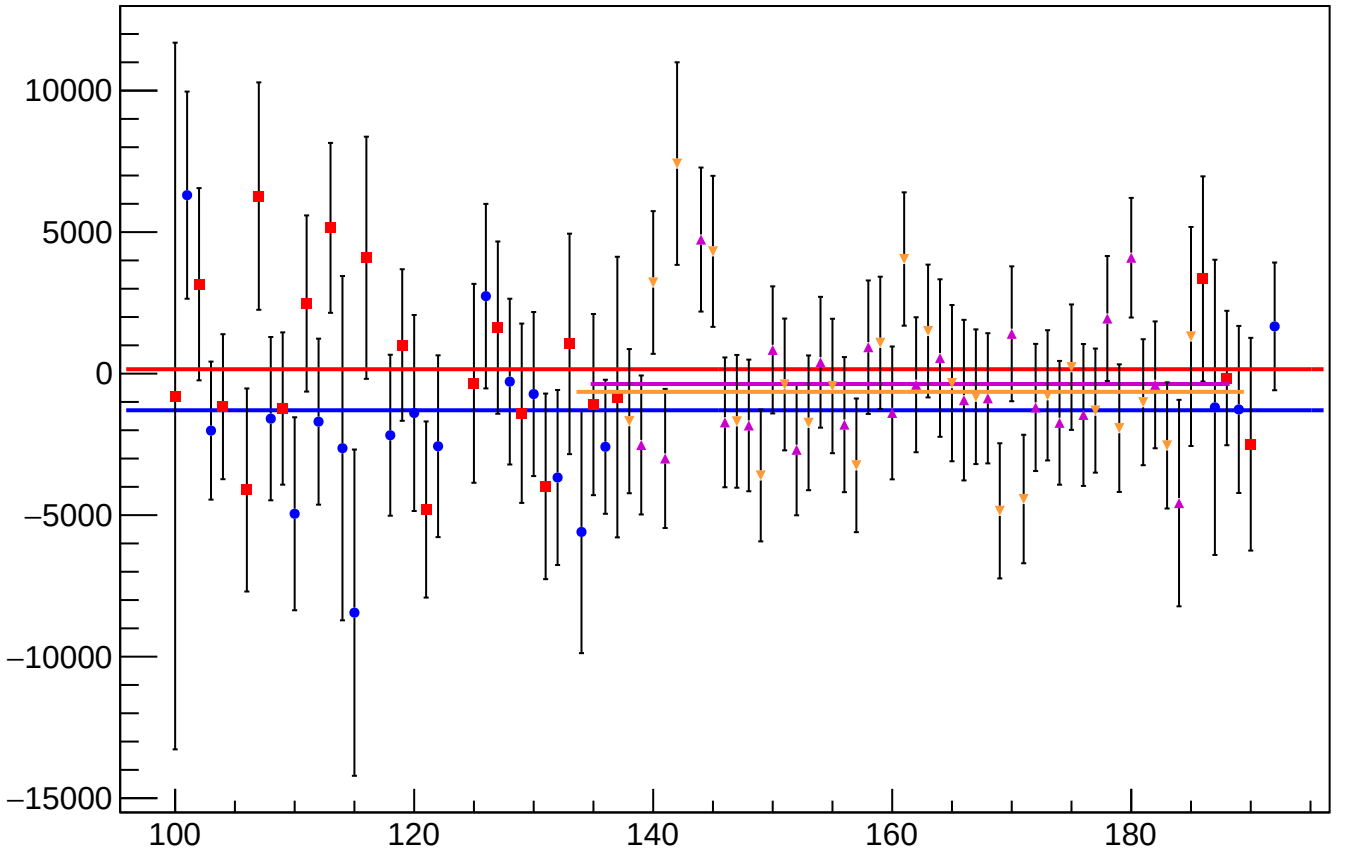
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2298.322+/-0.414 χ^2/NDF: 4541928.5/39

In: 1420.202+/-0.203 χ^2/NDF:5215457.9/41

Out: 1405.967+/-0.201 χ^2/NDF:5516693.1/44

All: 1413.009+/-0.143 χ^2/NDF: 10734640.2/8



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: 155.817+/-717.047 χ^2/NDF: 15.5/20

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

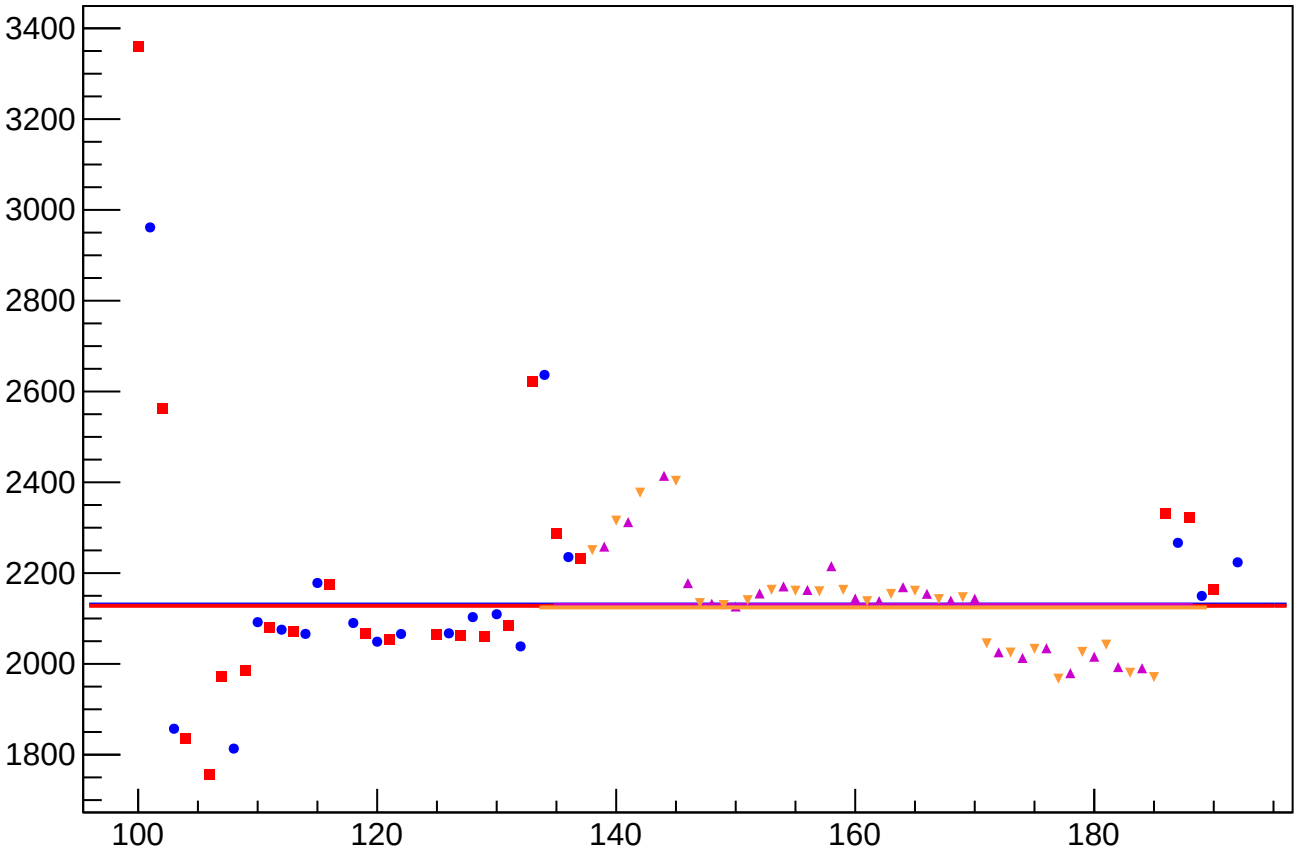
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -568.692+/-507.249 χ^2/NDF: 30.3/39

In: -668.116+/-409.086 χ^2/NDF:31.2/41

Out: -386.570+/-406.626 χ^2/NDF:43.5/44

All: -526.494+/-288.394 χ^2/NDF: 74.9/86



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: 2128.017+/-0.507 χ^2/NDF: 172716.0/20

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

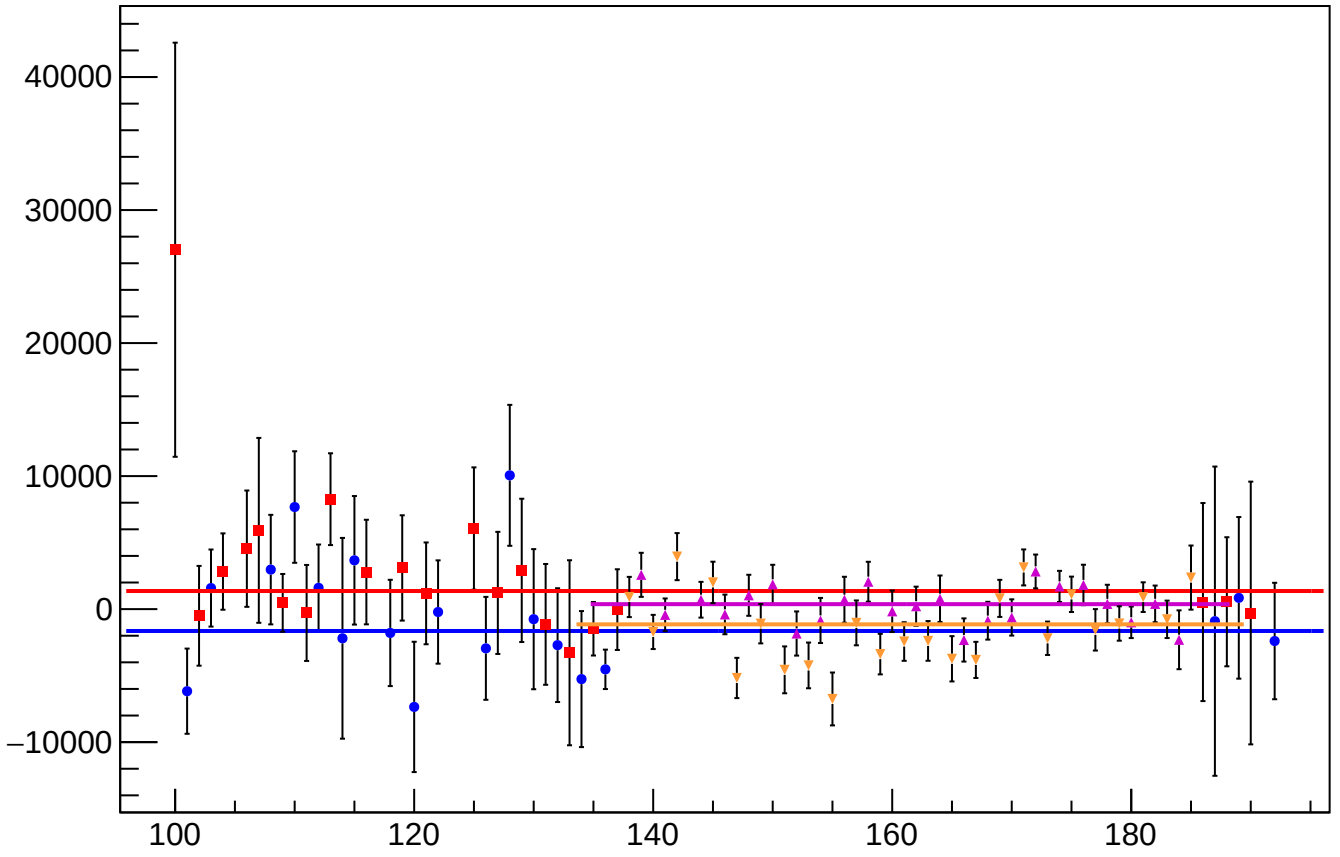
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

Right: 2129.370+/-0.359 χ^2/NDF: 368305.9/39

In: 2130.166+/-0.289 χ^2/NDF:280931.8/41

Out: 2125.588+/-0.288 χ^2/NDF:261933.8/44

All: 2127.863+/-0.204 χ^2/NDF: 542991.6/86



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: 1360.451+/-826.347 χ^2/NDF: 13.0/20

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

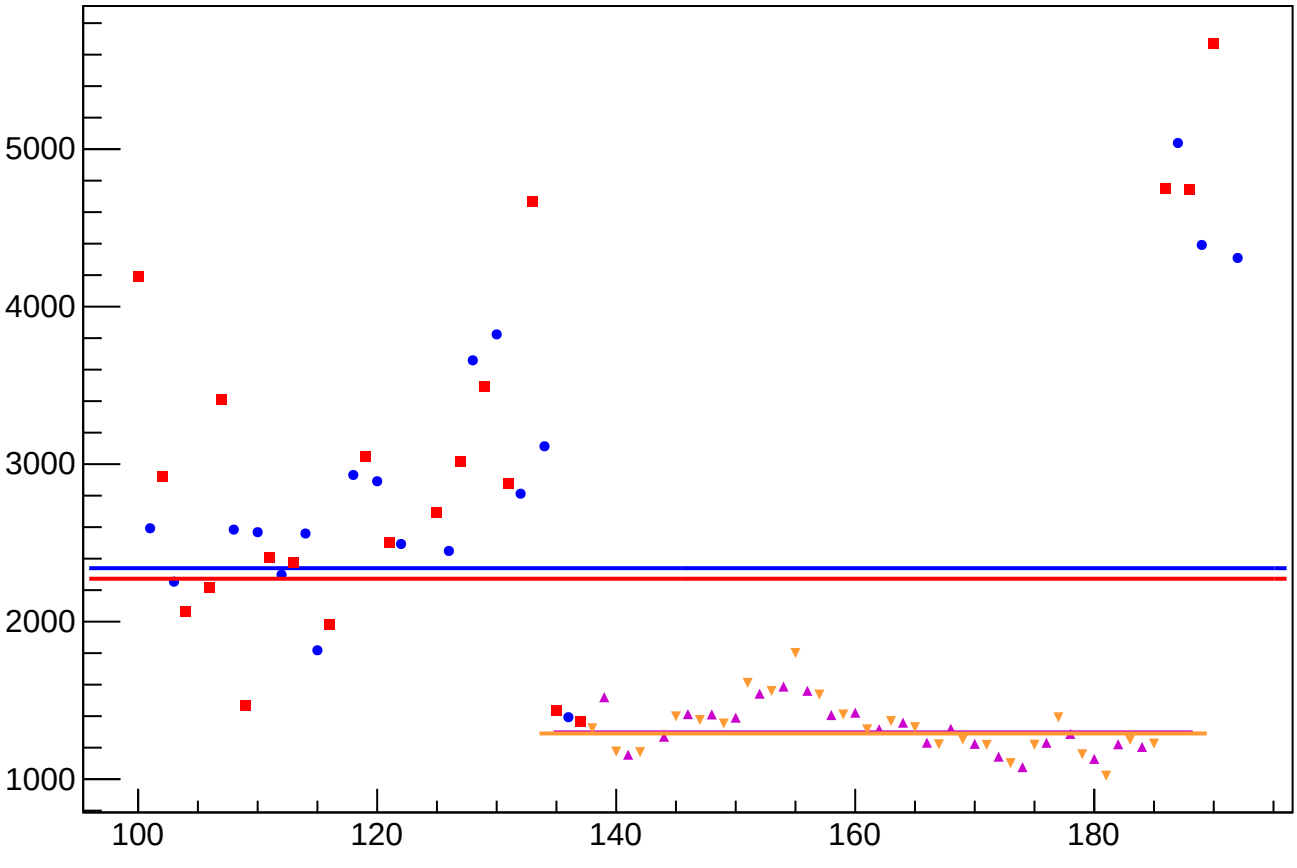
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -124.772+/-587.569 χ^2/NDF: 42.3/39

In: 135.580+/-286.826 χ^2/NDF:48.2/41

Out: -848.751+/-284.057 χ^2/NDF:88.7/44

All: -361.359+/-201.830 χ^2/NDF: 142.8/86



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: 2272.504+/-0.584 χ^2/NDF: 2475010.9/20

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

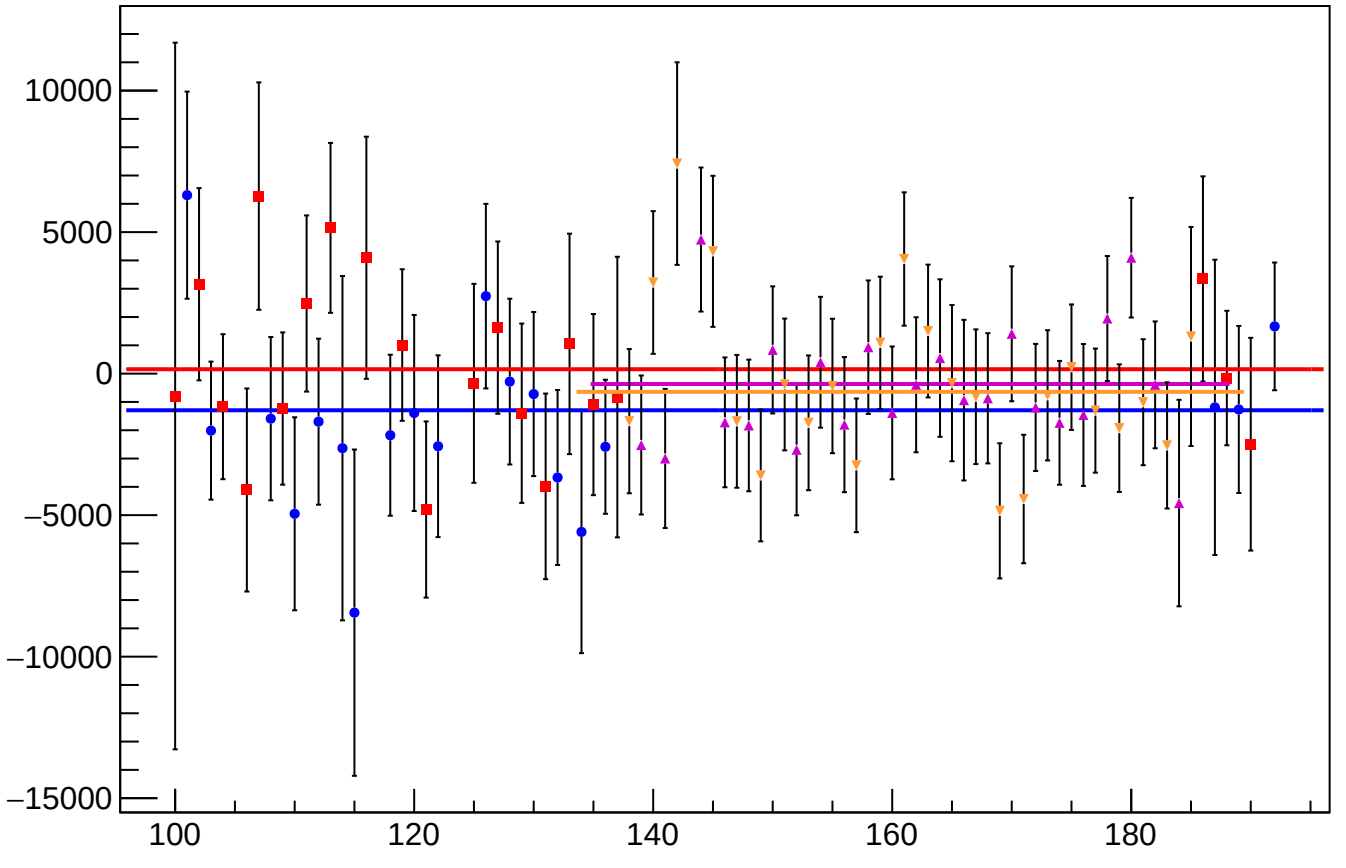
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2305.622+/-0.415 χ^2/NDF: 4518798.3/39

In: 1420.227+/-0.203 χ^2/NDF:5214909.6/41

Out: 1406.133+/-0.201 χ^2/NDF:5535913.2/44

All: 1413.111+/-0.143 χ^2/NDF: 10753260.9/8



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: 155.817+/-717.047 χ^2/NDF: 15.5/20

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

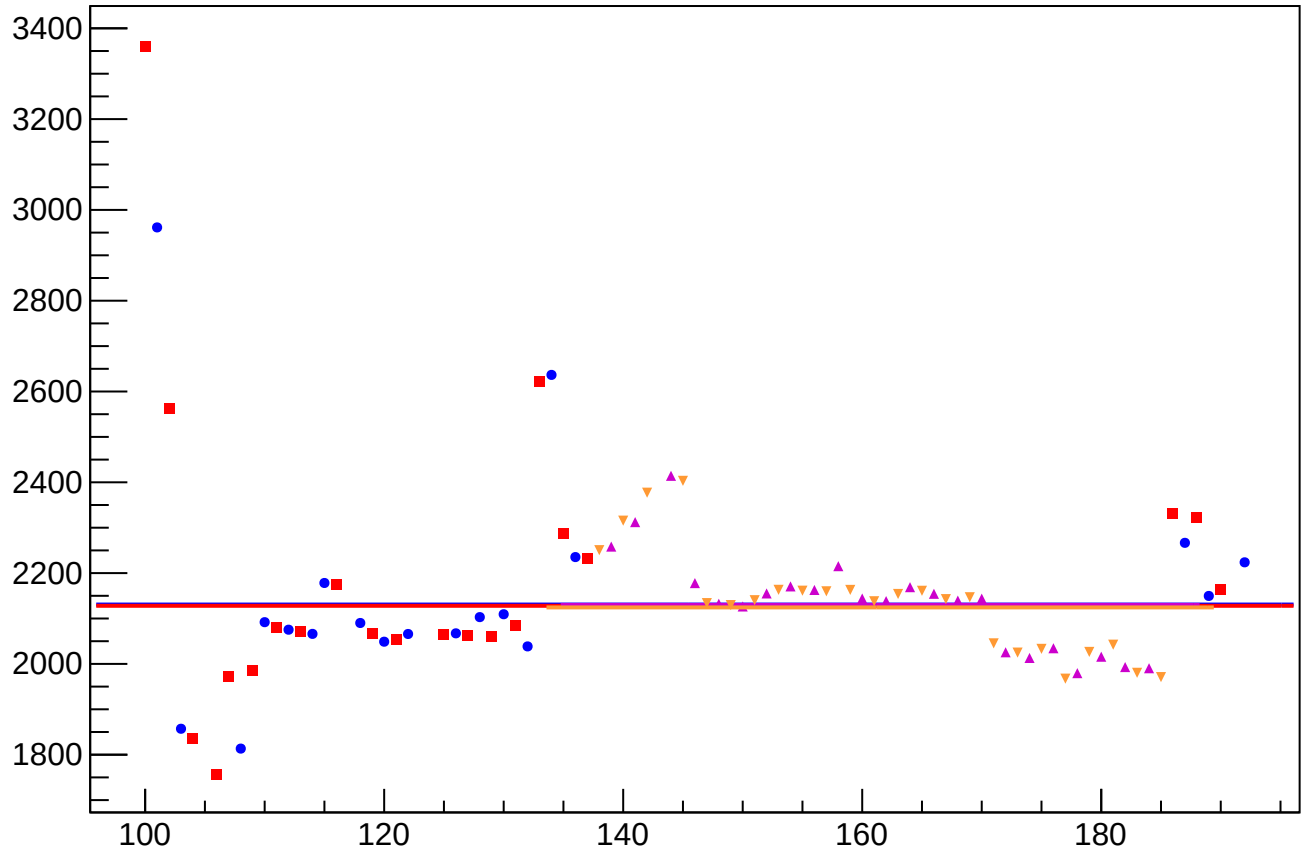
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -568.692+/-507.249 χ^2/NDF: 30.3/39

In: -668.116+/-409.086 χ^2/NDF:31.2/41

Out: -386.570+/-406.626 χ^2/NDF:43.5/44

All: -526.494+/-288.394 χ^2/NDF: 74.9/86



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: 2128.017+/-0.507 χ^2/NDF: 172716.0/20

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

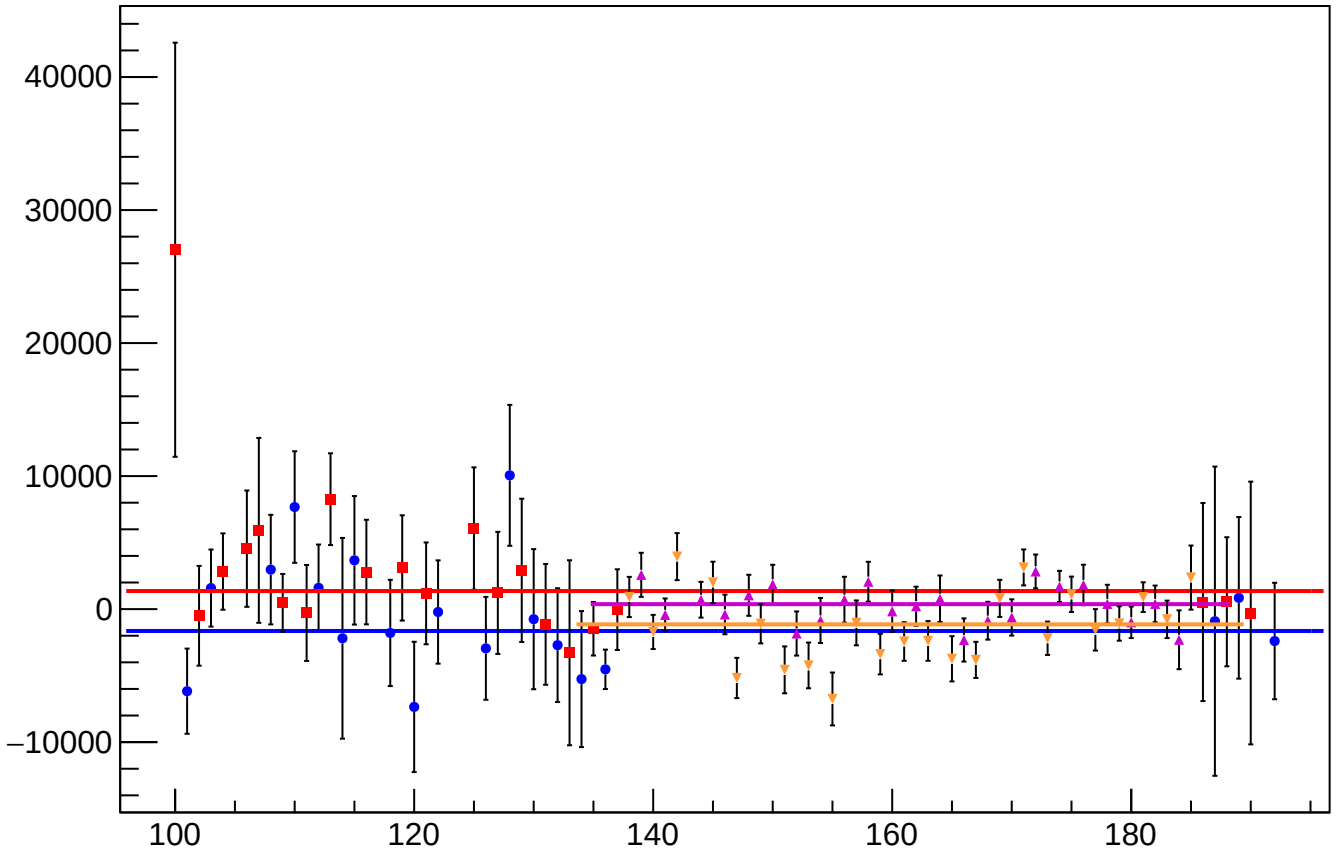
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

Right: 2129.370+/-0.359 χ^2/NDF: 368305.9/39

In: 2130.166+/-0.289 χ^2/NDF:280931.8/41

Out: 2125.588+/-0.288 χ^2/NDF:261933.8/44

All: 2127.863+/-0.204 χ^2/NDF: 542991.6/86



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: 1360.451+/-826.347 χ^2/NDF: 13.0/20

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

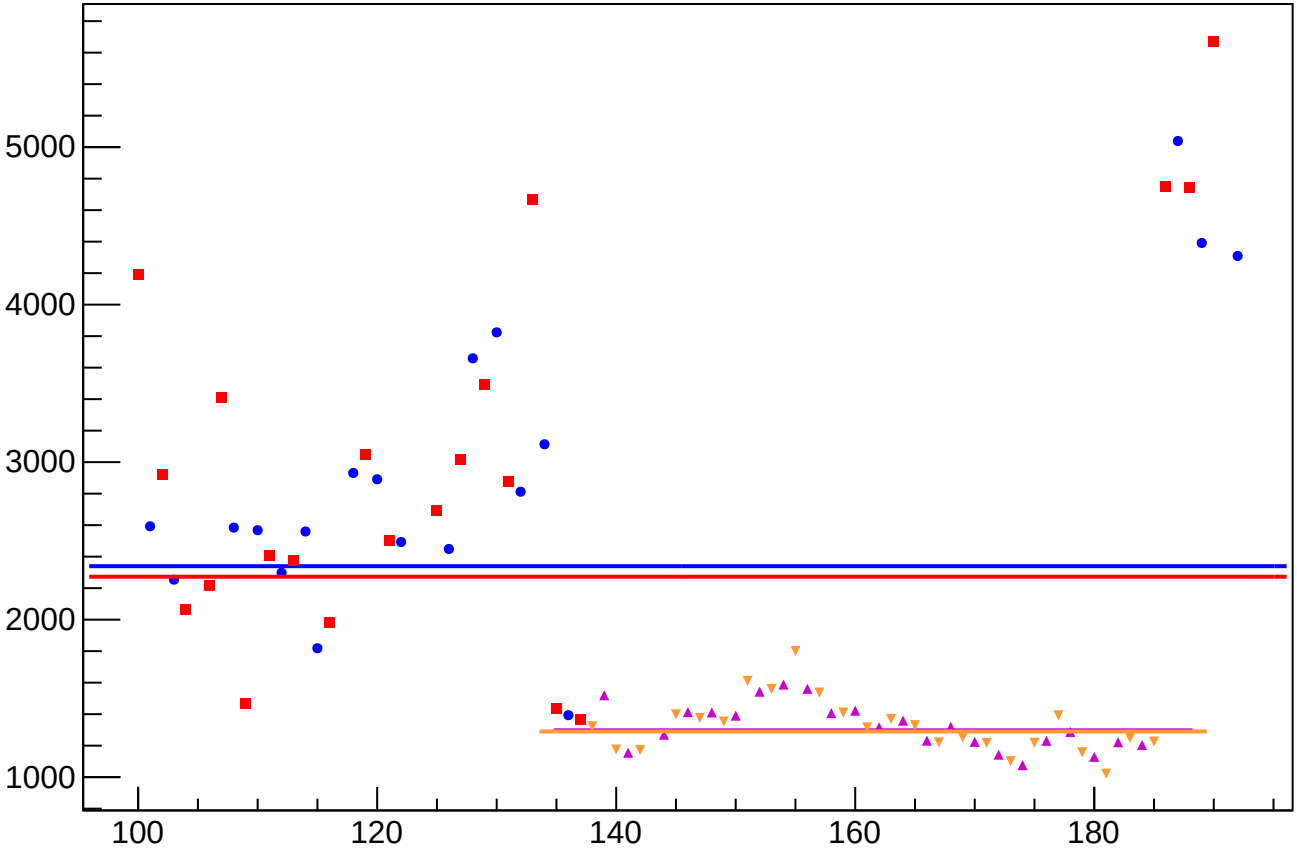
Right: -124.772+/-587.569 χ^2/NDF: 42.3/39

In: 135.580+/-286.826 χ^2/NDF:48.2/41

Out: -848.751+/-284.057 χ^2/NDF:88.7/44

All: -361.359+/-201.830 χ^2/NDF: 142.8/86

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: 2272.504+/-0.584 χ^2/NDF: 2475010.9/20

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

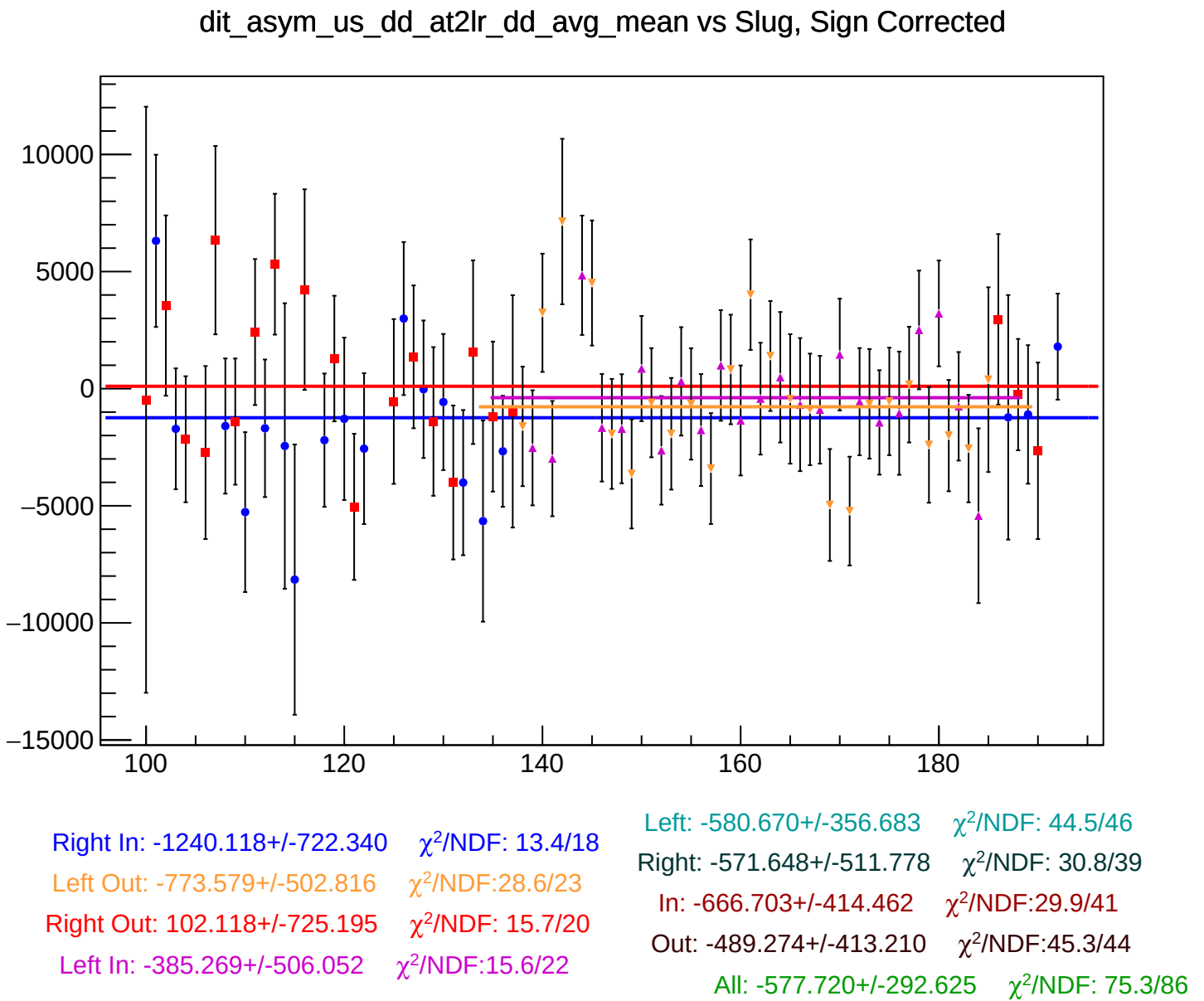
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

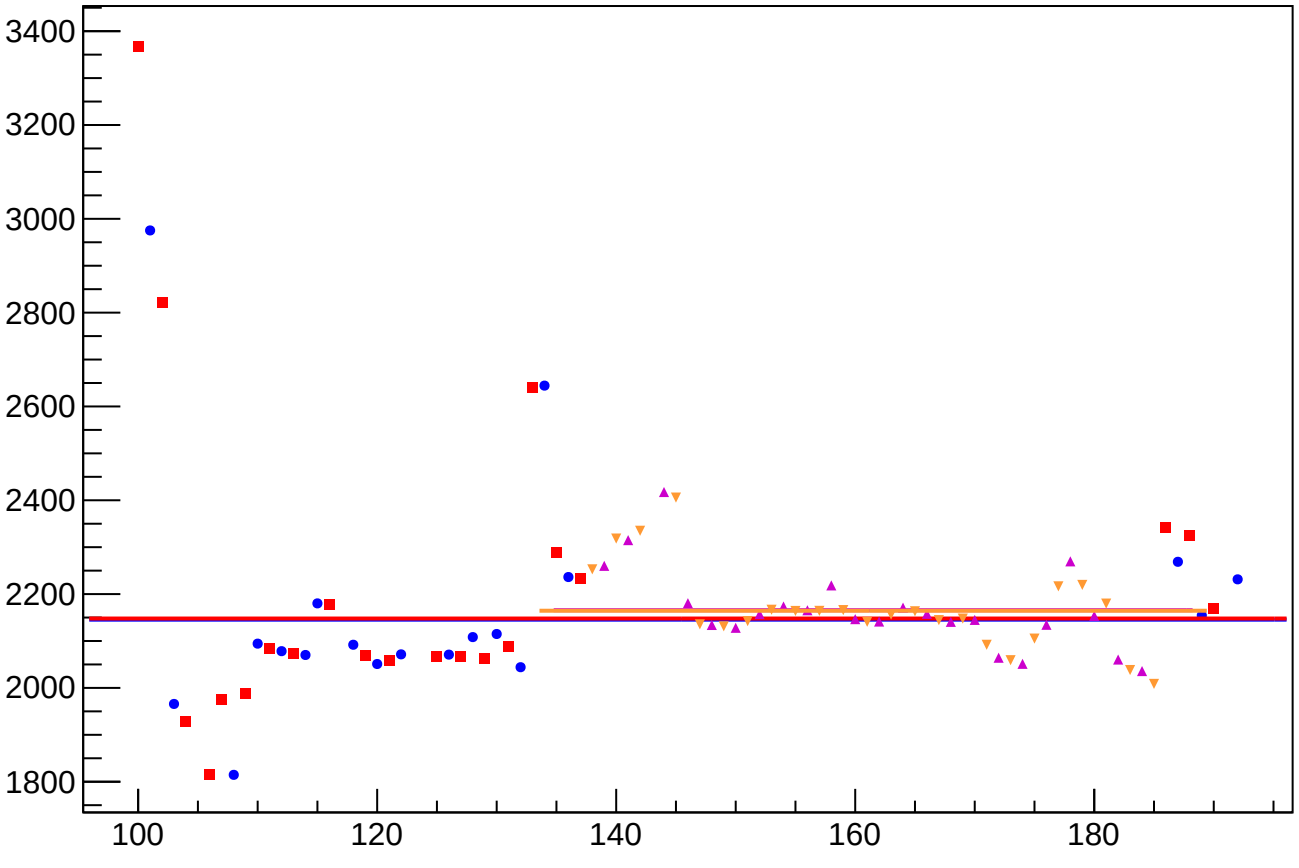
Right: 2305.622+/-0.415 χ^2/NDF: 4518798.3/39

In: 1420.227+/-0.203 χ^2/NDF:5214909.6/41

Out: 1406.133+/-0.201 χ^2/NDF:5535913.2/44

All: 1413.111+/-0.143 χ^2/NDF: 10753260.9/8


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: -1240.118+/-722.340 χ²/NDF: 13.4/18
Left Out: -773.579+/-502.816 χ²/NDF:28.6/23
Right Out: 102.118+/-725.195 χ²/NDF: 15.7/20
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.670+/-356.683 χ²/NDF: 44.5/46
Right: -571.648+/-511.778 χ²/NDF: 30.8/39
In: -666.703+/-414.462 χ²/NDF:29.9/41
Out: -489.274+/-413.210 χ²/NDF:45.3/44
All: -577.720+/-292.625 χ²/NDF: 75.3/86



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: 2147.905+/-0.513 χ^2/NDF: 183272.1/20

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

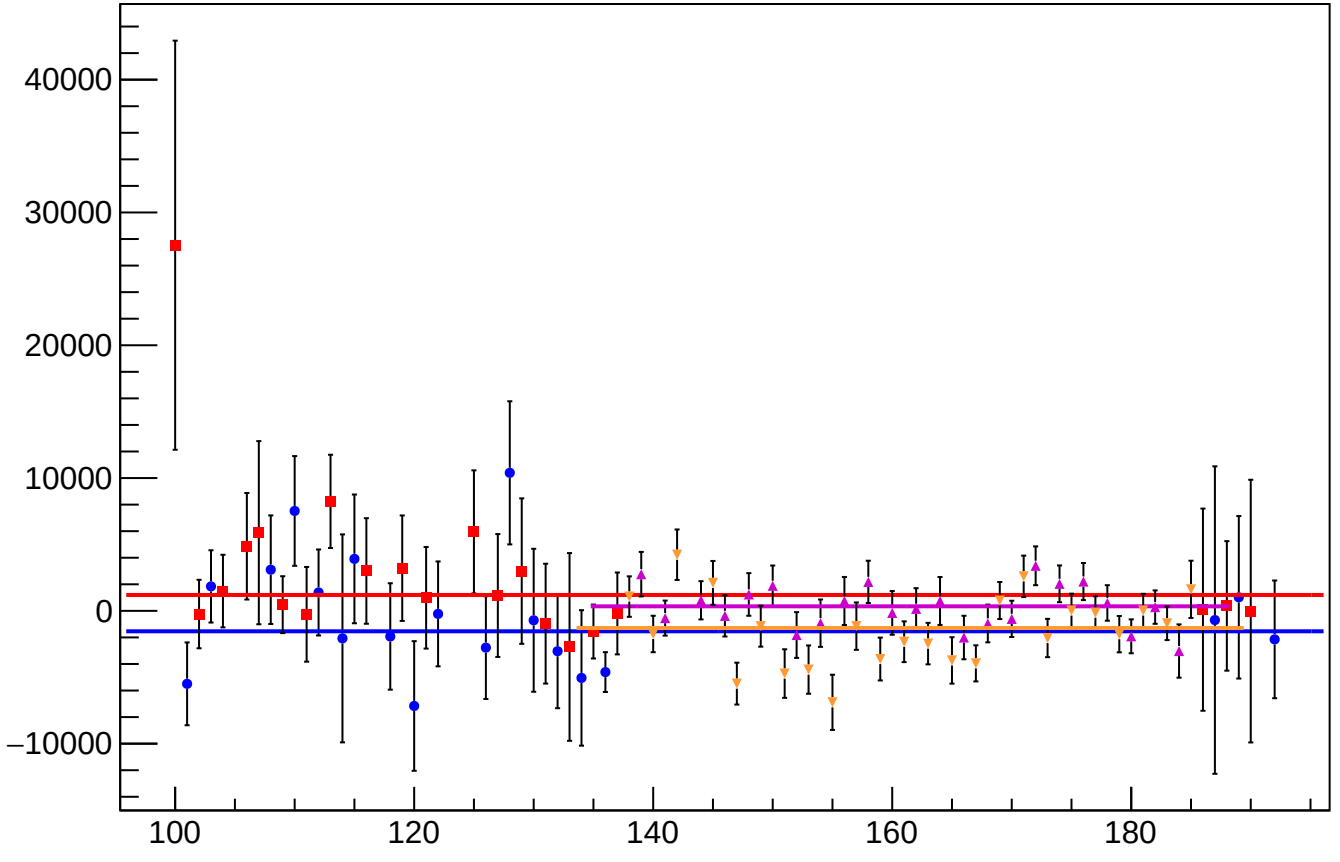
Right: 2146.700+/-0.362 χ^2/NDF: 363876.1/39

In: 2159.013+/-0.293 χ^2/NDF:233760.2/41

Out: 2159.134+/-0.292 χ^2/NDF:234658.4/44

All: 2159.074+/-0.207 χ^2/NDF: 468418.7/86

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



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: 1196.535+/-801.269 χ^2/NDF: 13.1/20

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

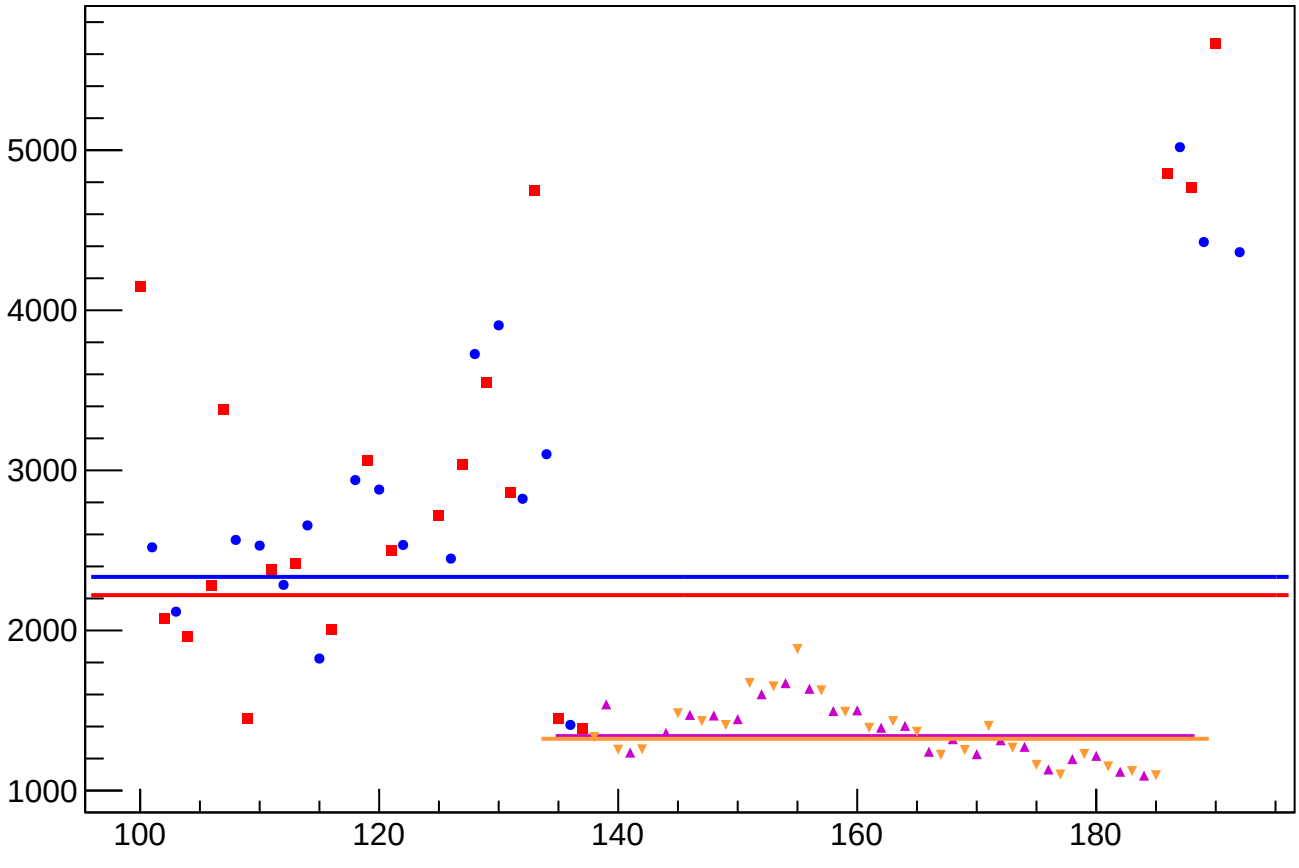
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -116.507+/-577.782 χ^2/NDF: 41.5/39

In: 105.771+/-295.141 χ^2/NDF:52.0/41

Out: -968.369+/-289.621 χ^2/NDF:80.2/44

All: -441.438+/-206.717 χ^2/NDF: 139.0/86



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: 2220.721+/-0.567 χ^2/NDF: 2450103.1/20

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

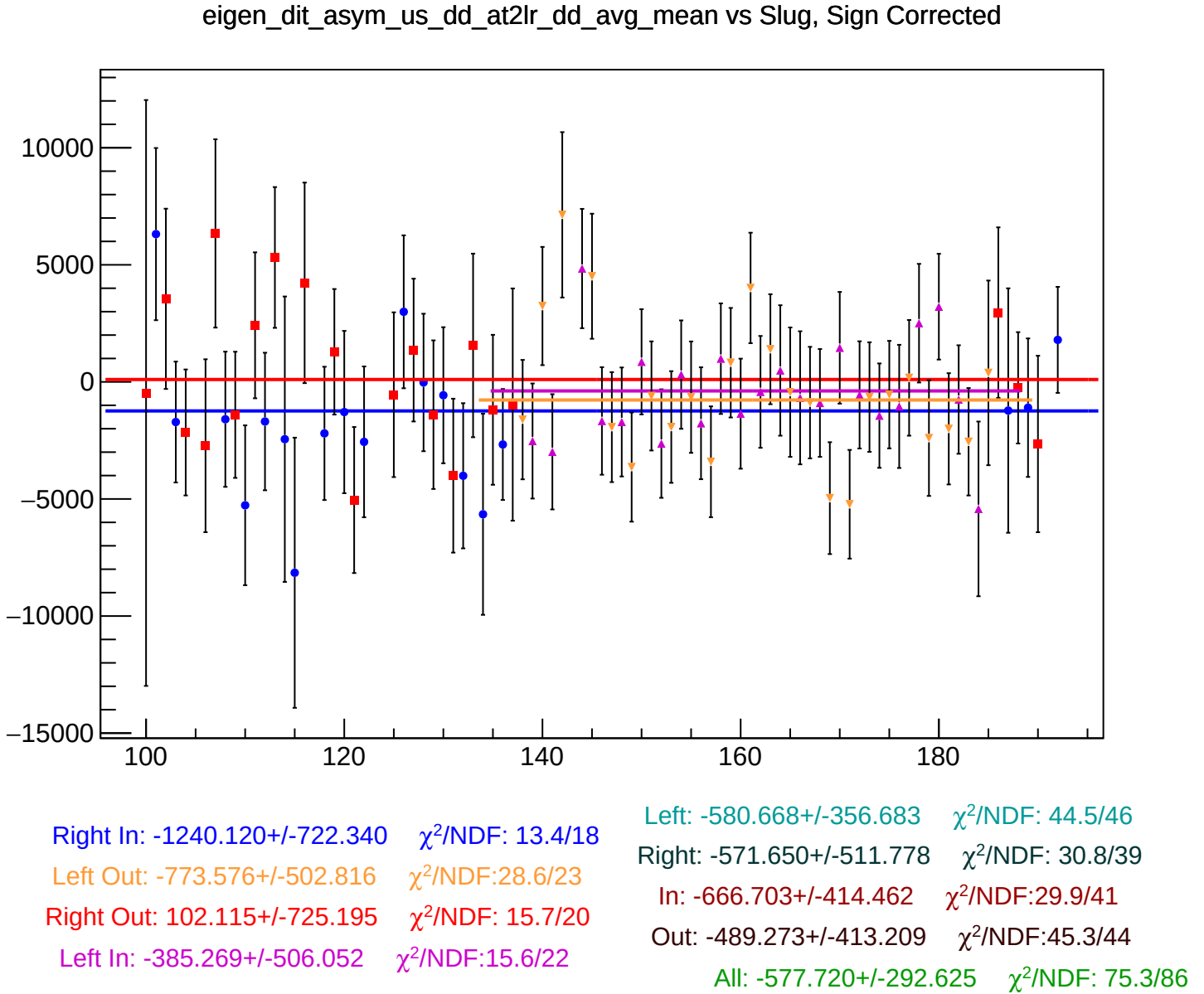
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

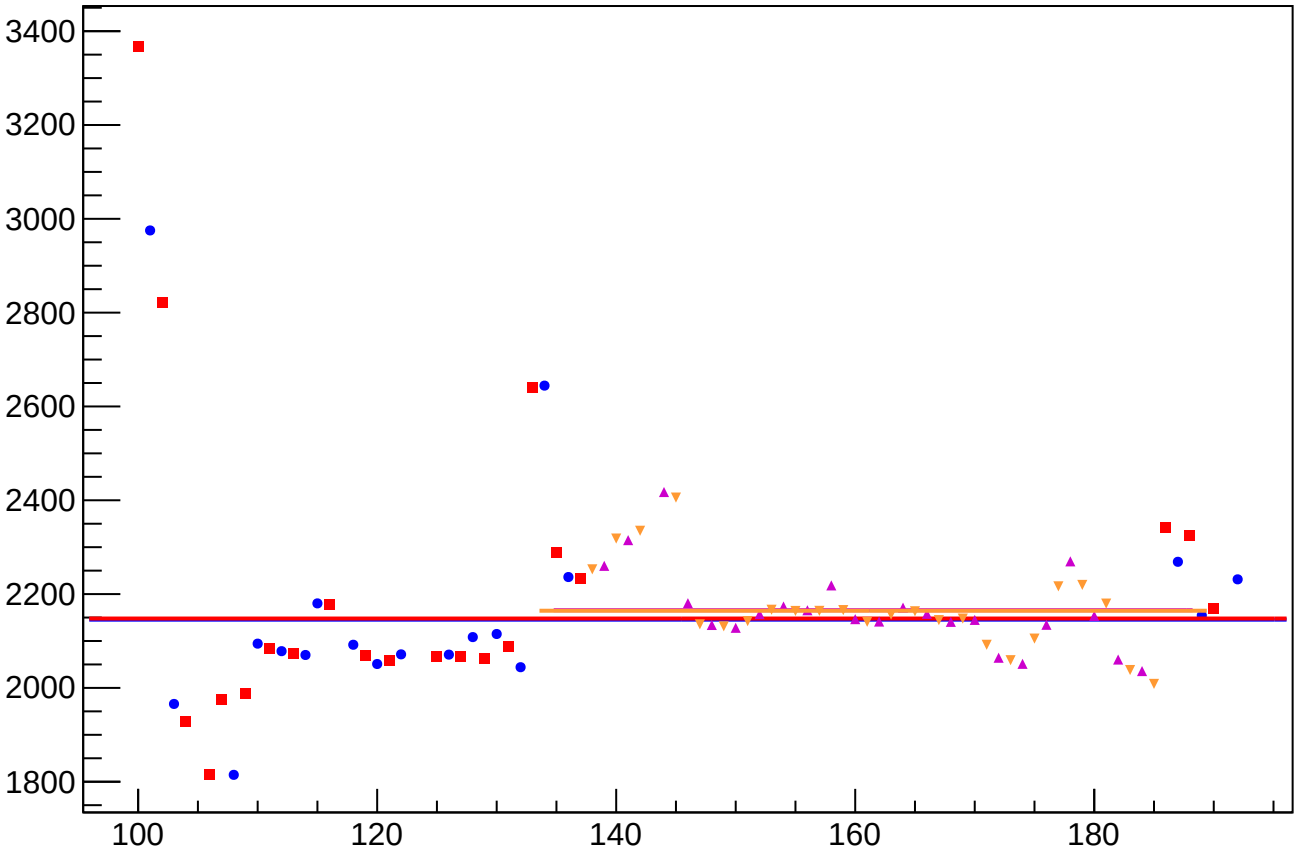
Right: 2275.504+/-0.409 χ^2/NDF: 4500292.5/39

In: 1464.687+/-0.209 χ^2/NDF:5014382.2/41

Out: 1440.635+/-0.205 χ^2/NDF:5294492.7/44

All: 1452.434+/-0.146 χ^2/NDF: 10315641.3/8


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: 102.115+/-725.195 χ²/NDF: 15.7/20
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -571.650+/-511.778 χ²/NDF: 30.8/39
In: -666.703+/-414.462 χ²/NDF:29.9/41
Out: -489.273+/-413.209 χ²/NDF:45.3/44
All: -577.720+/-292.625 χ²/NDF: 75.3/86



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: 2147.905+/-0.513 χ^2/NDF: 183272.0/20

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

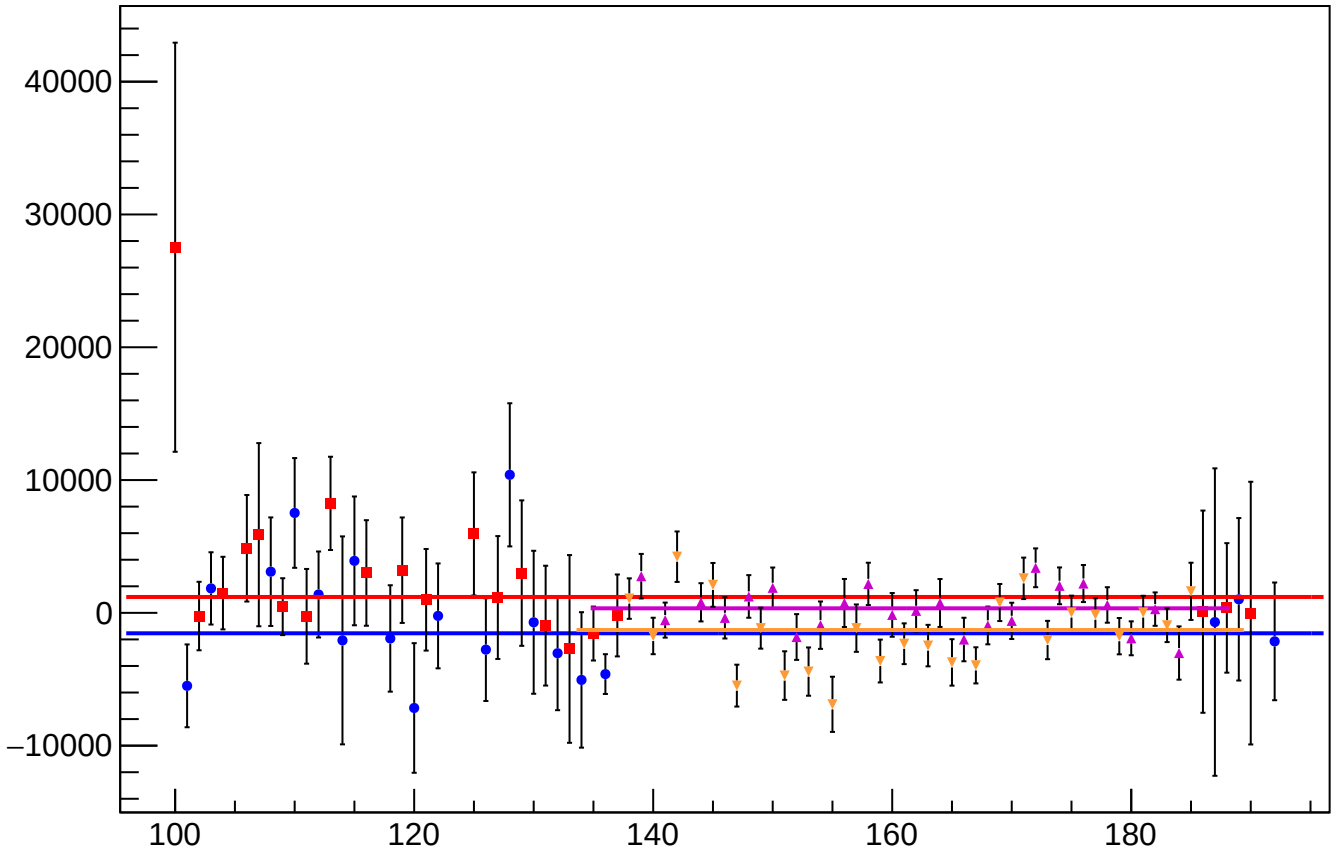
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

Right: 2146.700+/-0.362 χ^2/NDF: 363876.0/39

In: 2159.013+/-0.293 χ^2/NDF:233760.1/41

Out: 2159.134+/-0.292 χ^2/NDF:234658.4/44

All: 2159.073+/-0.207 χ^2/NDF: 468418.6/86



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: 1196.549+/-801.272 χ^2/NDF: 13.1/20

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

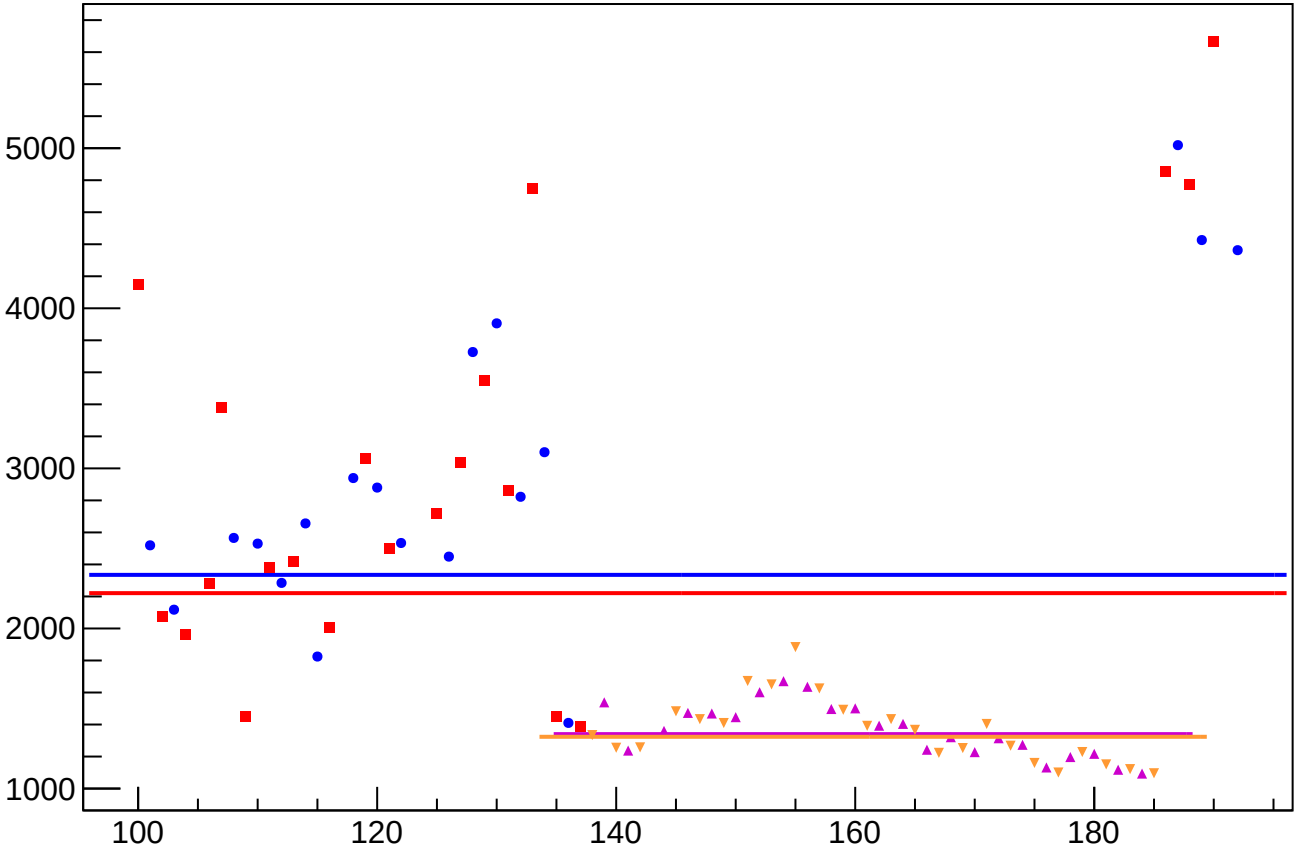
Right: -116.494+/-577.783 χ^2/NDF: 41.5/39

In: 105.772+/-295.141 χ^2/NDF:52.0/41

Out: -968.371+/-289.621 χ^2/NDF:80.2/44

All: -441.438+/-206.717 χ^2/NDF: 139.0/86

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: 2220.733+/-0.567 χ^2/NDF: 2450047.8/20

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

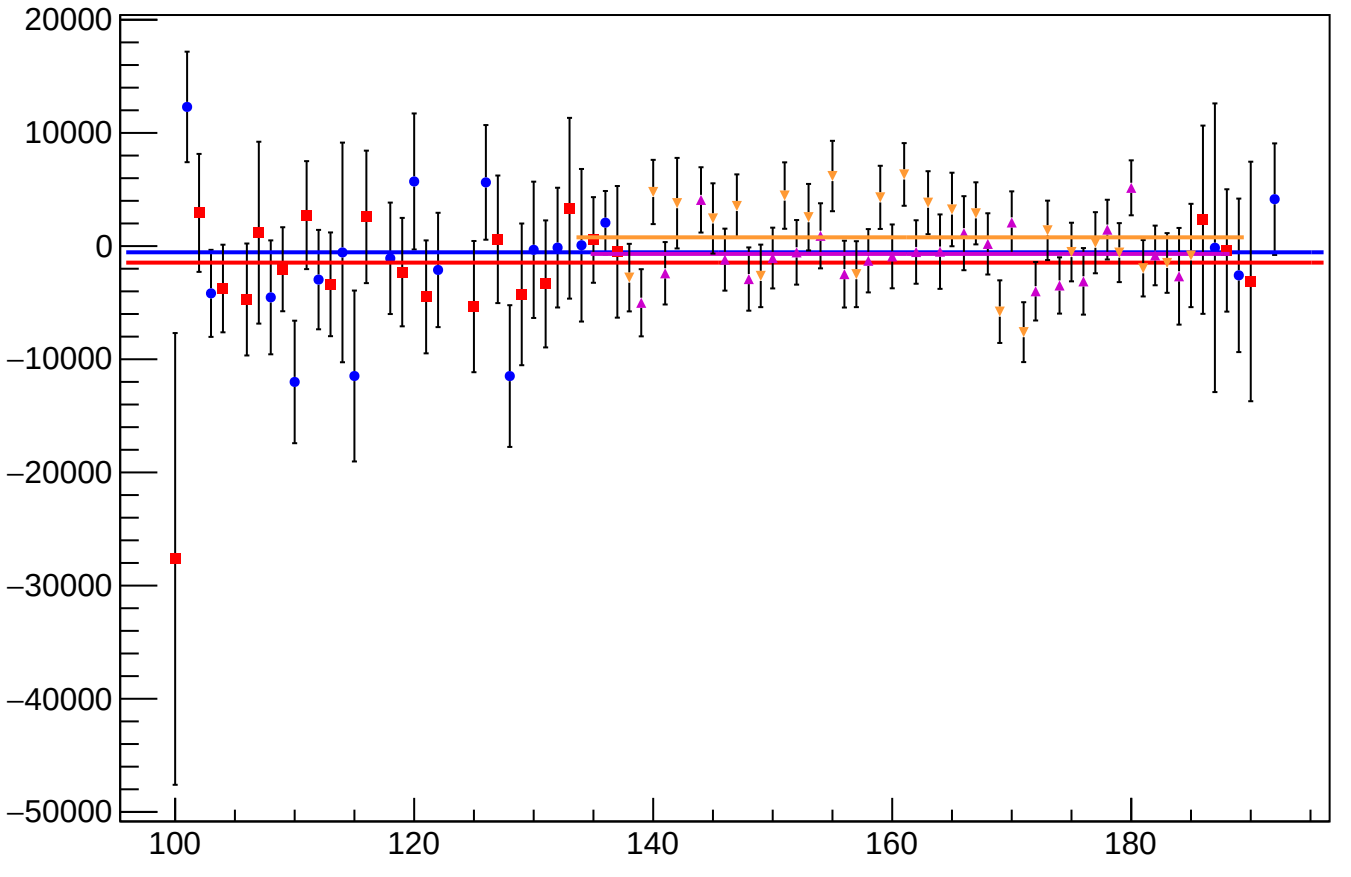
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2275.517+/-0.409 χ^2/NDF: 4500164.4/39

In: 1464.686+/-0.209 χ^2/NDF:5014375.0/41

Out: 1440.636+/-0.205 χ^2/NDF:5294483.8/44

All: 1452.434+/-0.146 χ^2/NDF: 10315624.5/8



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: -1460.640+/-1169.931 χ^2/NDF: 7.0/20

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

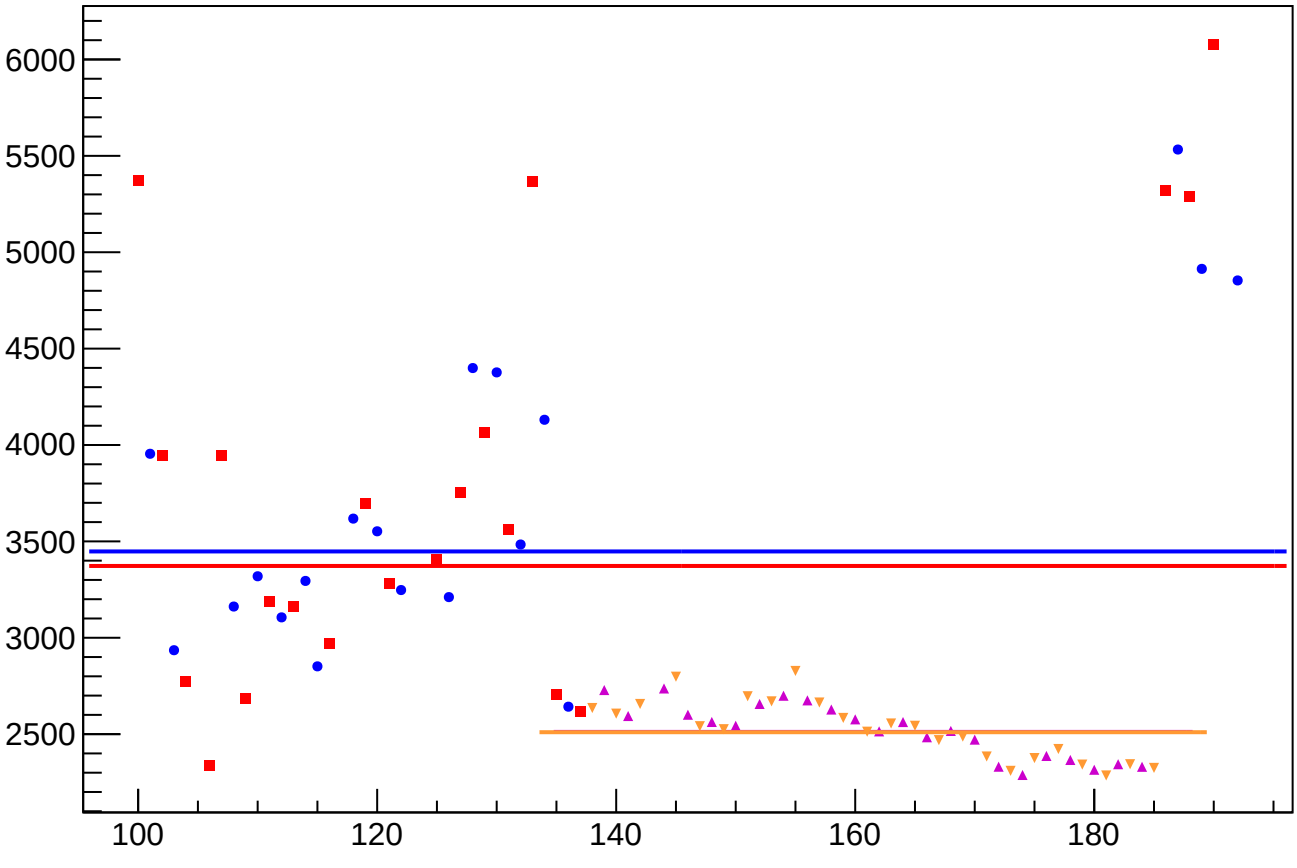
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -1008.431+/-830.962 χ^2/NDF: 30.2/39

In: -661.809+/-525.912 χ^2/NDF:41.3/41

Out: 329.259+/-522.297 χ^2/NDF:49.3/44

All: -162.858+/-370.591 χ^2/NDF: 92.3/86



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: 3372.509+/-0.827 χ^2/NDF: 1032933.2/20

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

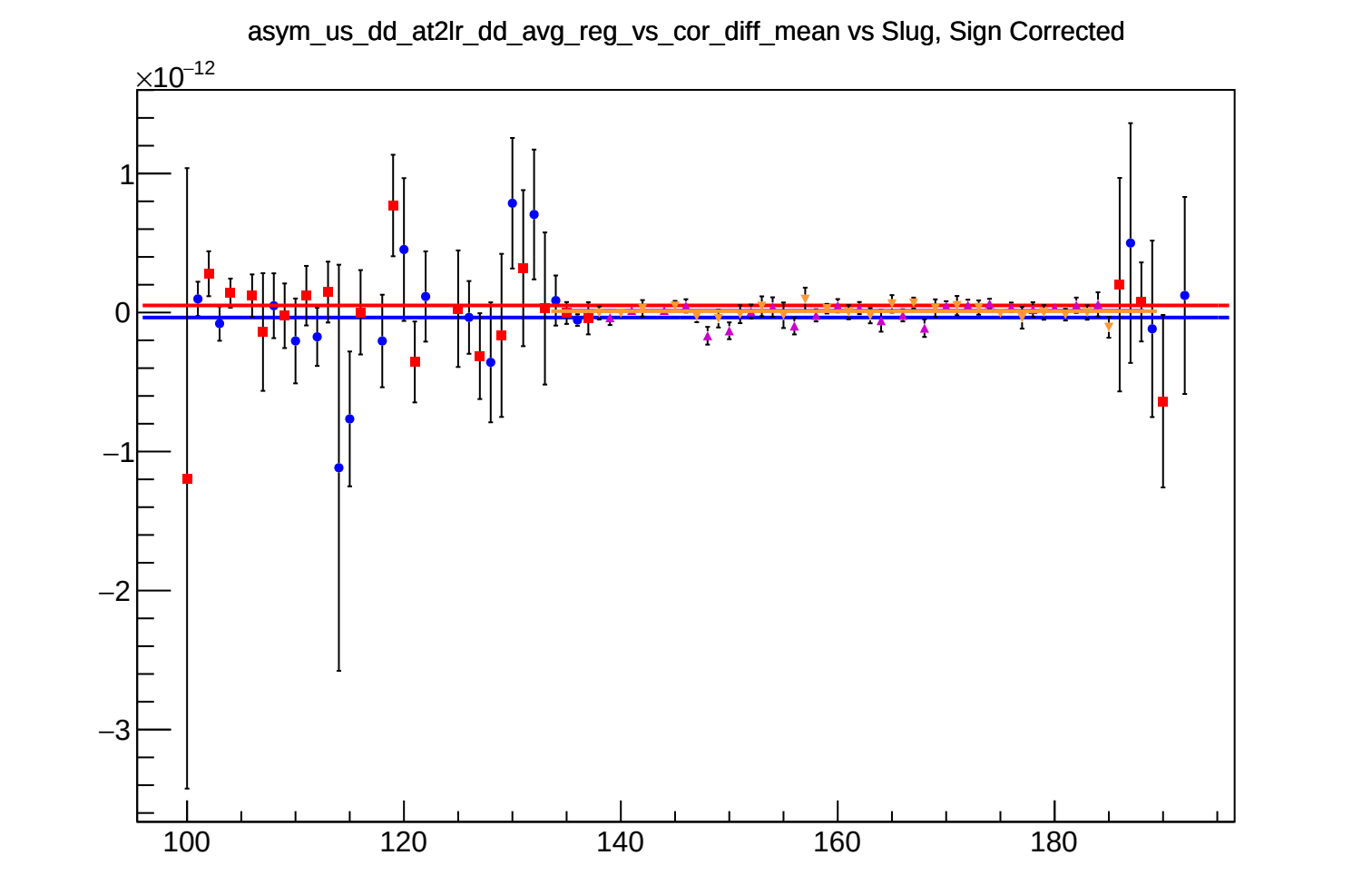
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

Right: 3409.830+/-0.588 χ^2/NDF: 1726688.8/39

In: 2697.436+/-0.372 χ^2/NDF:1811442.5/41

Out: 2681.960+/-0.369 χ^2/NDF:2031816.5/44

All: 2689.645+/-0.262 χ^2/NDF: 3844131.0/86



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/20

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

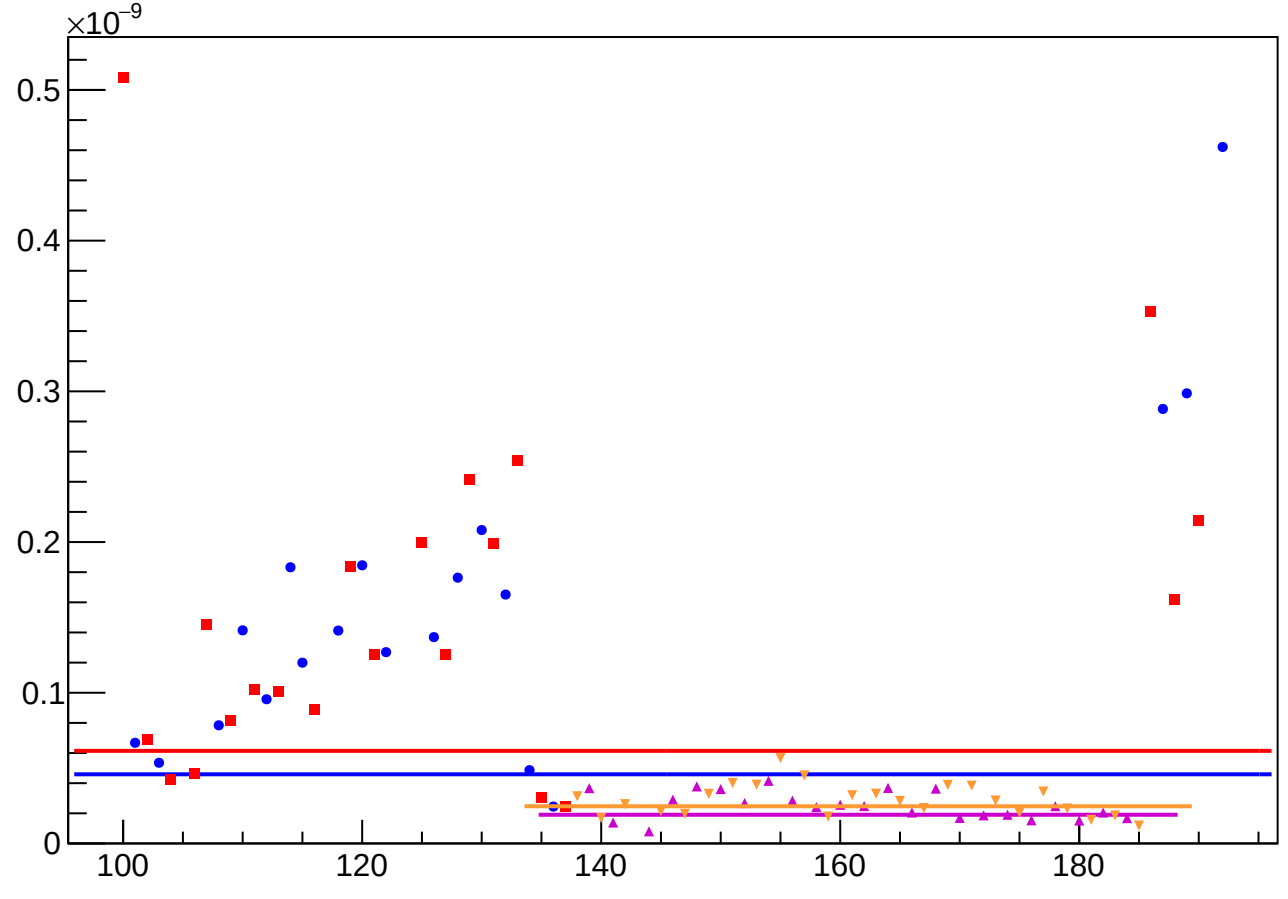
Right: -0.000+/-0.000 χ^2/NDF: 30.0/39

In: 0.000+/-0.000 χ^2/NDF:46.5/41

Out: 0.000+/-0.000 χ^2/NDF:26.9/44

All: 0.000+/-0.000 χ^2/NDF: 73.4/86

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: 2762906.2/20

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

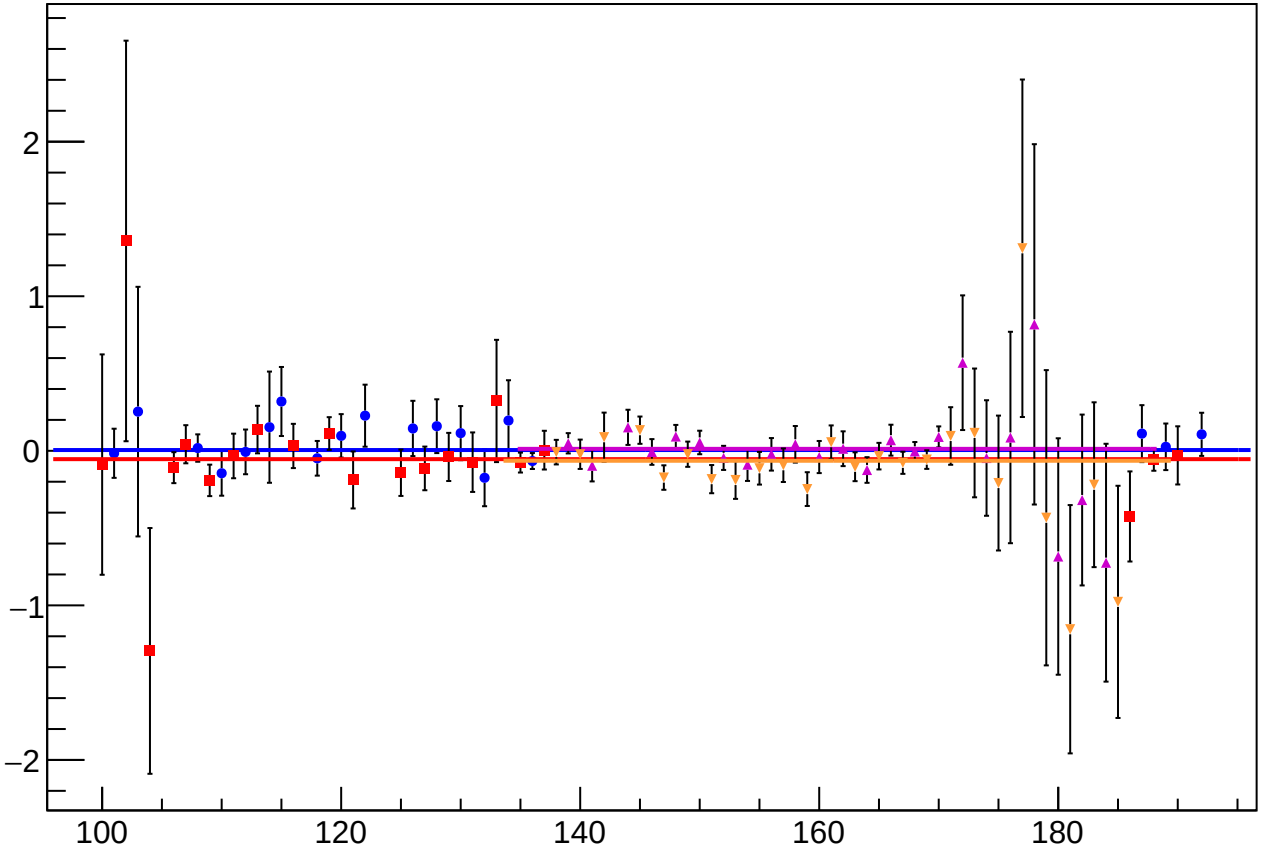
Right: 0.000+/-0.000 χ^2/NDF: 6325123.0/39

In: 0.000+/-0.000 χ^2/NDF:6747938.5/41

Out: 0.000+/-0.000 χ^2/NDF:5583080.4/44

All: 0.000+/-0.000 χ^2/NDF: 12769744.1/86

asym_us_dd_at2lr_dd_avg_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: -0.054+/-0.028 χ^2/NDF: 14.7/20

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

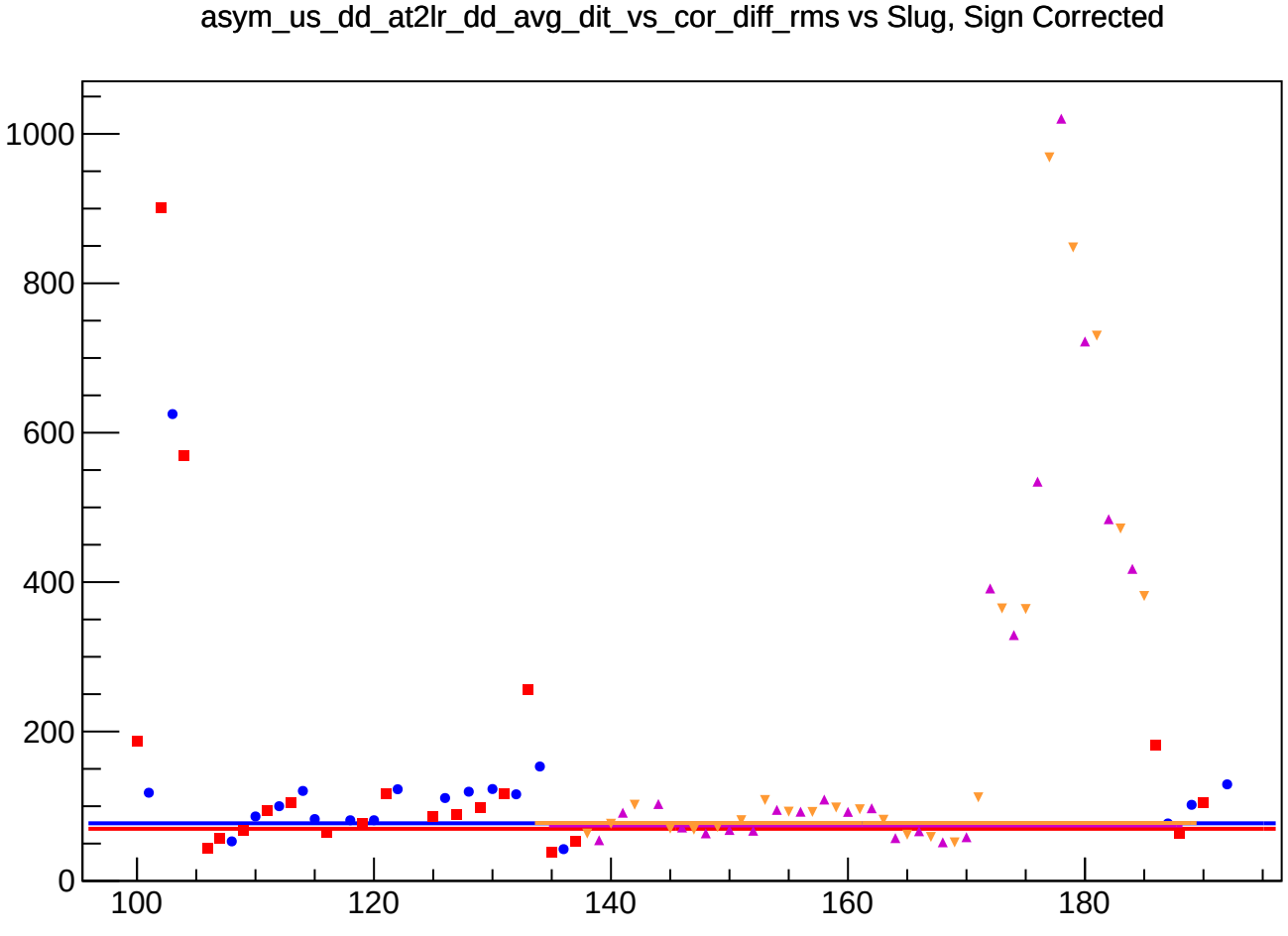
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.026+/-0.021 χ^2/NDF: 28.0/39

In: 0.010+/-0.017 χ^2/NDF:26.4/41

Out: -0.060+/-0.017 χ^2/NDF:37.1/44

All: -0.025+/-0.012 χ^2/NDF: 71.7/86



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: 69.782+/-0.020 χ^2/NDF: 3712130.3/20

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

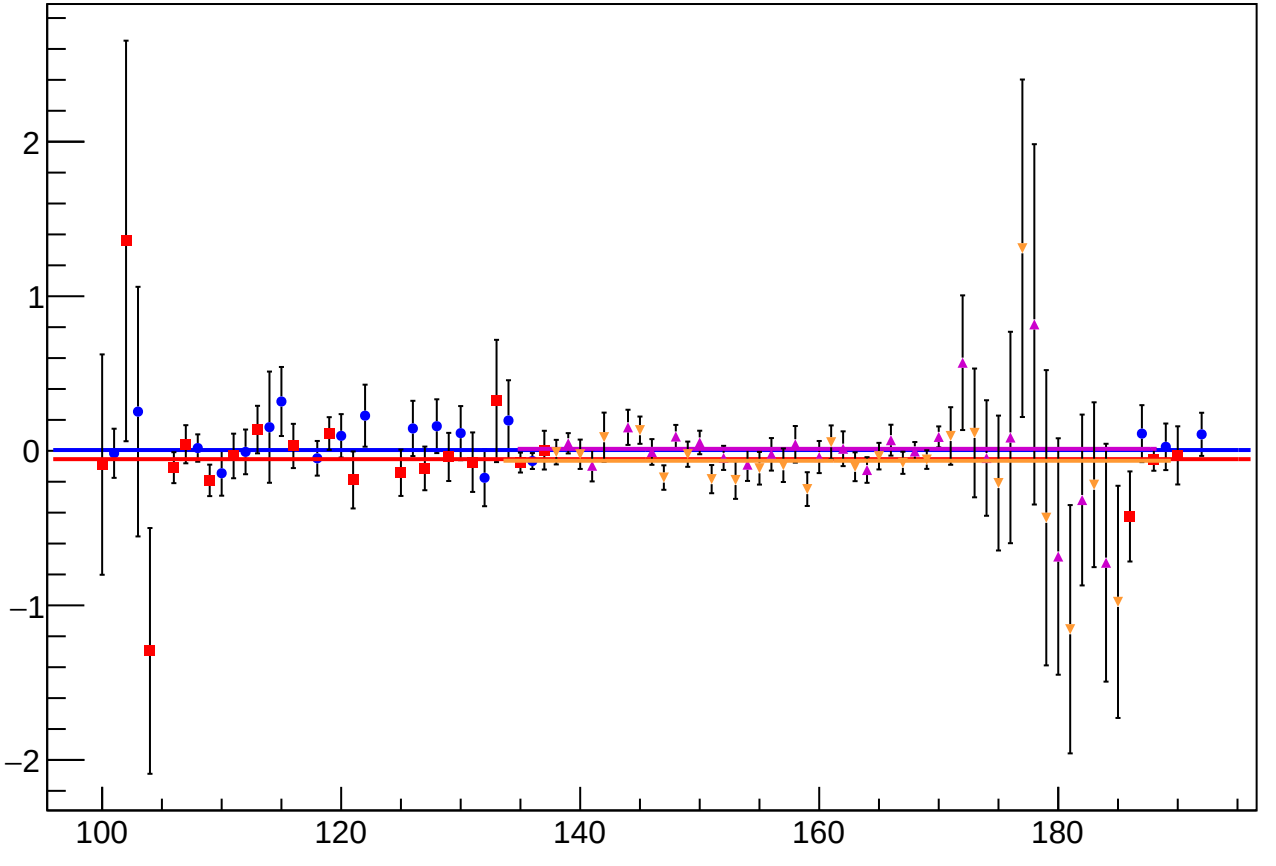
Right: 73.228+/-0.015 χ^2/NDF: 6991692.9/39

In: 75.172+/-0.012 χ^2/NDF:11743541.4/41

Out: 74.617+/-0.012 χ^2/NDF:12135866.4/44

All: 74.896+/-0.009 χ^2/NDF: 23880426.2/86

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: -0.054+/-0.028 χ^2/NDF: 14.7/20

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

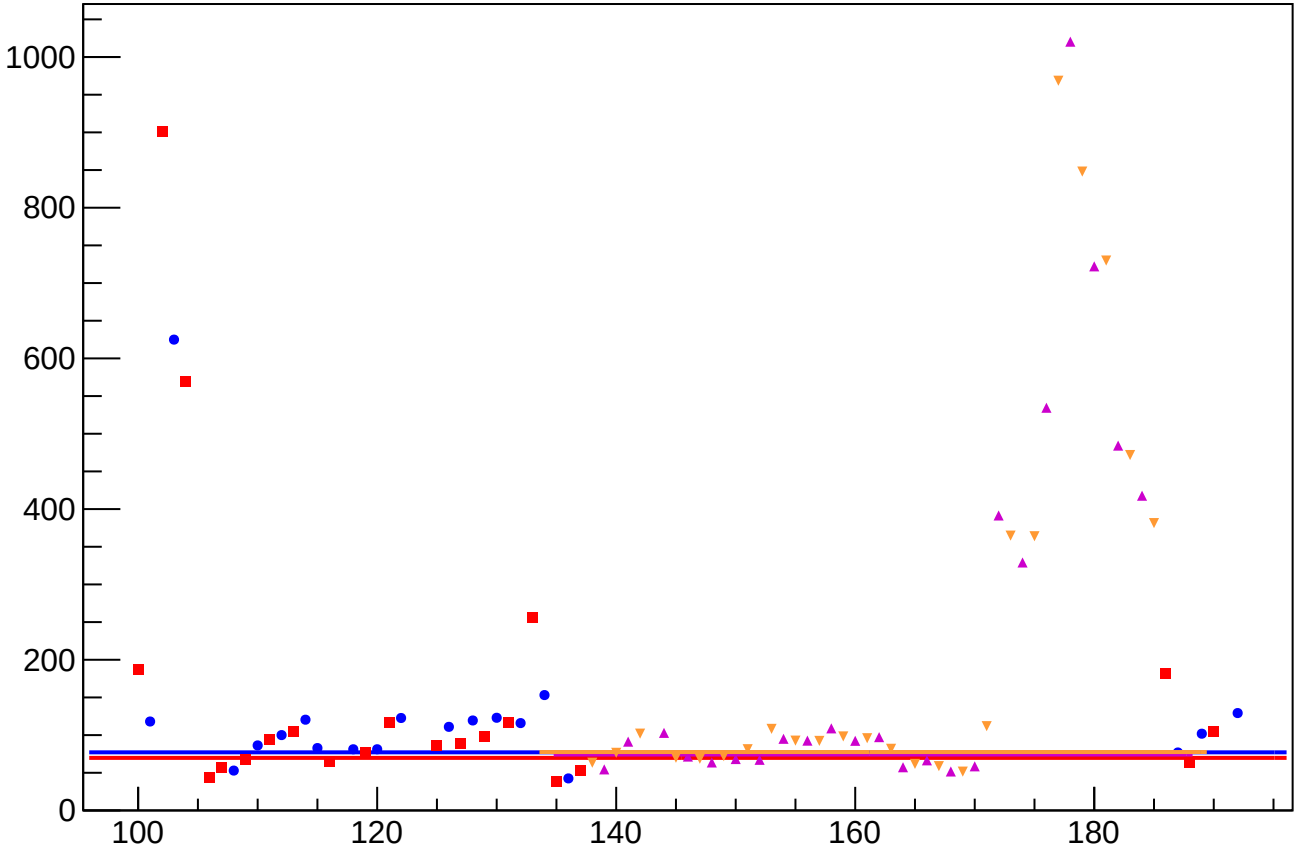
Right: -0.026+/-0.021 χ^2/NDF: 28.0/39

In: 0.010+/-0.017 χ^2/NDF:26.4/41

Out: -0.060+/-0.017 χ^2/NDF:37.1/44

All: -0.025+/-0.012 χ^2/NDF: 71.7/86

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_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: 69.782+/-0.020 χ^2/NDF: 3712130.3/20

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

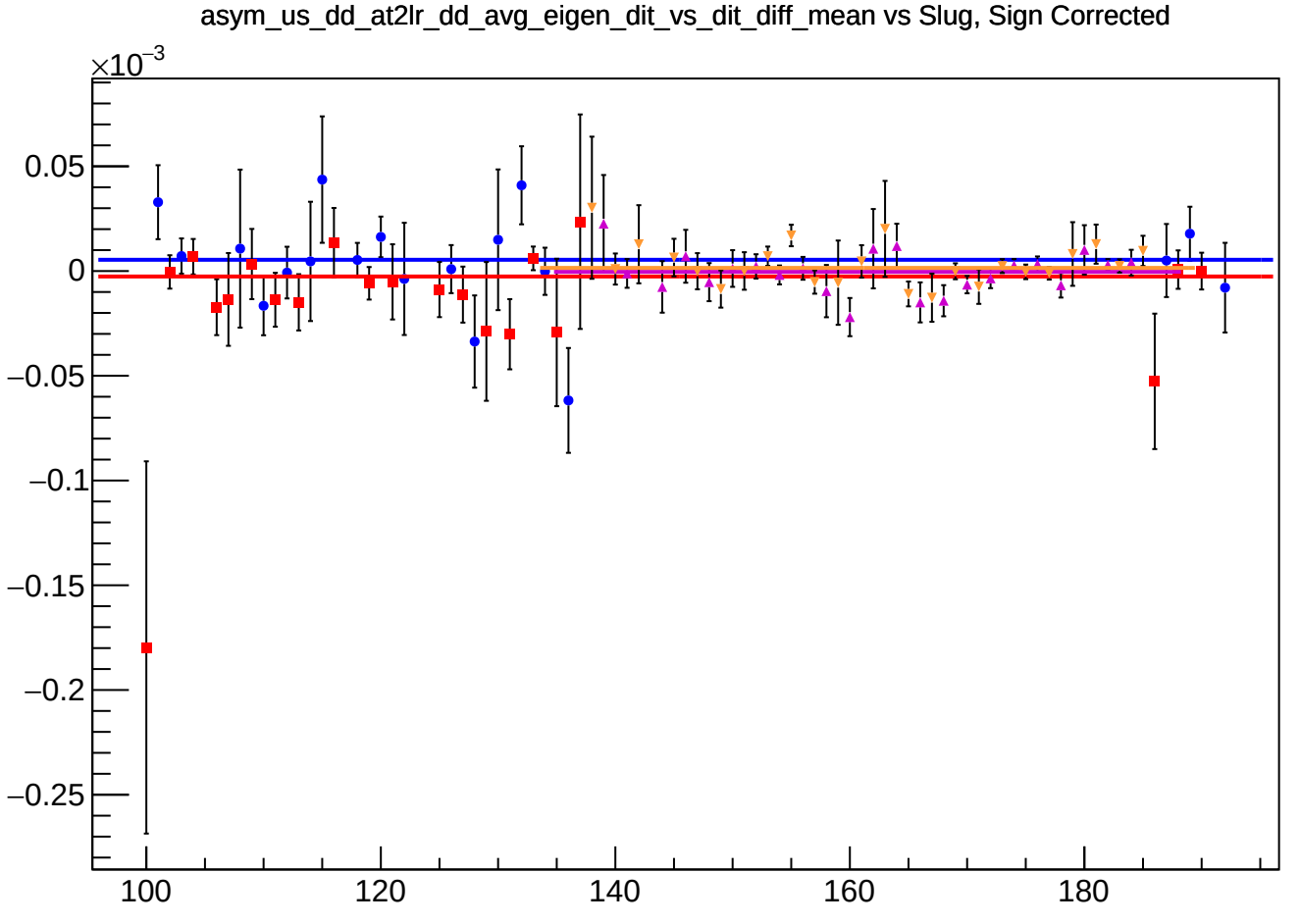
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 73.228+/-0.015 χ^2/NDF: 6991692.9/39

In: 75.172+/-0.012 χ^2/NDF:11743541.4/41

Out: 74.617+/-0.012 χ^2/NDF:12135866.4/44

All: 74.896+/-0.009 χ^2/NDF: 23880426.2/86



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: 19.4/20

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

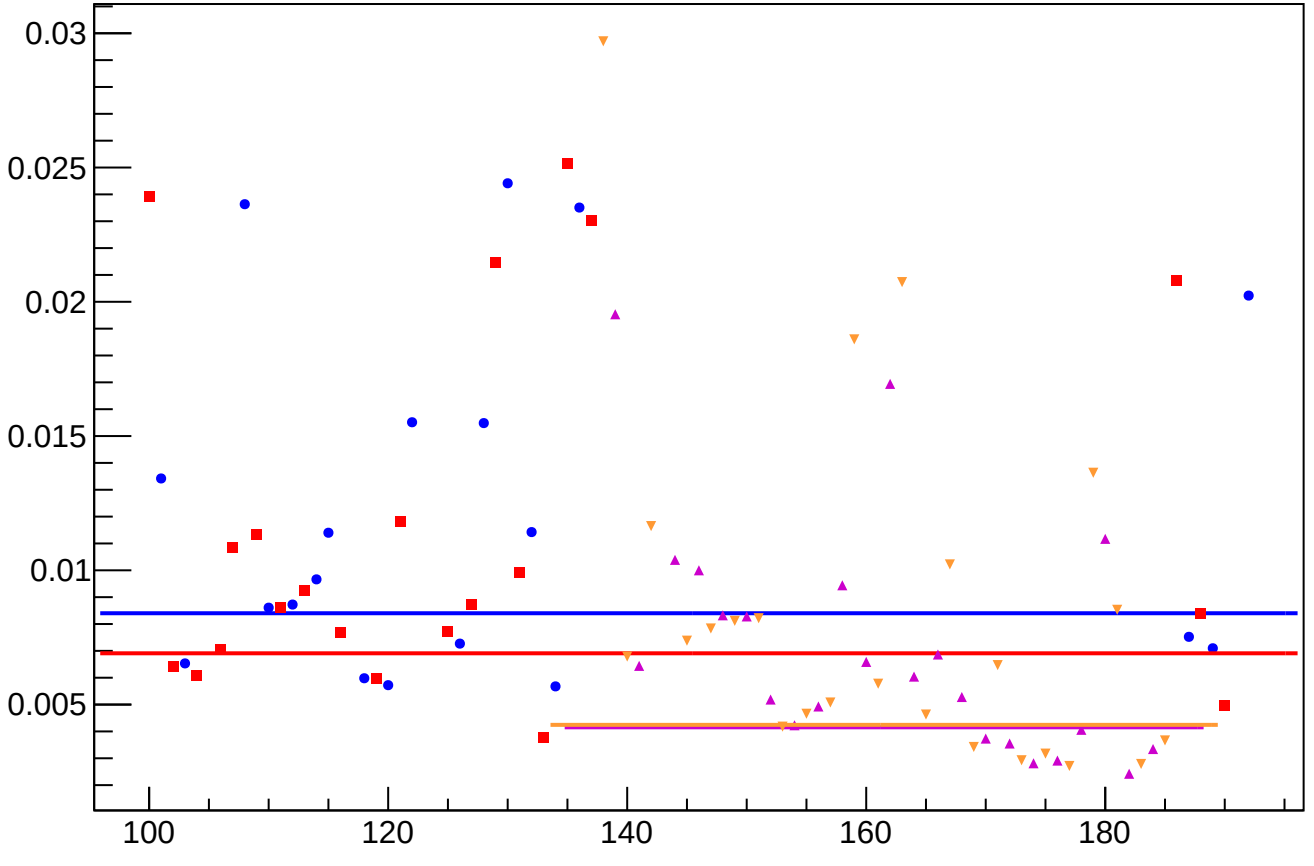
Right: 0.000+/-0.000 χ^2/NDF: 47.0/39

In: 0.000+/-0.000 χ^2/NDF:51.3/41

Out: 0.000+/-0.000 χ^2/NDF:48.6/44

All: 0.000+/-0.000 χ^2/NDF: 99.9/86

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: 2944493.1/20

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

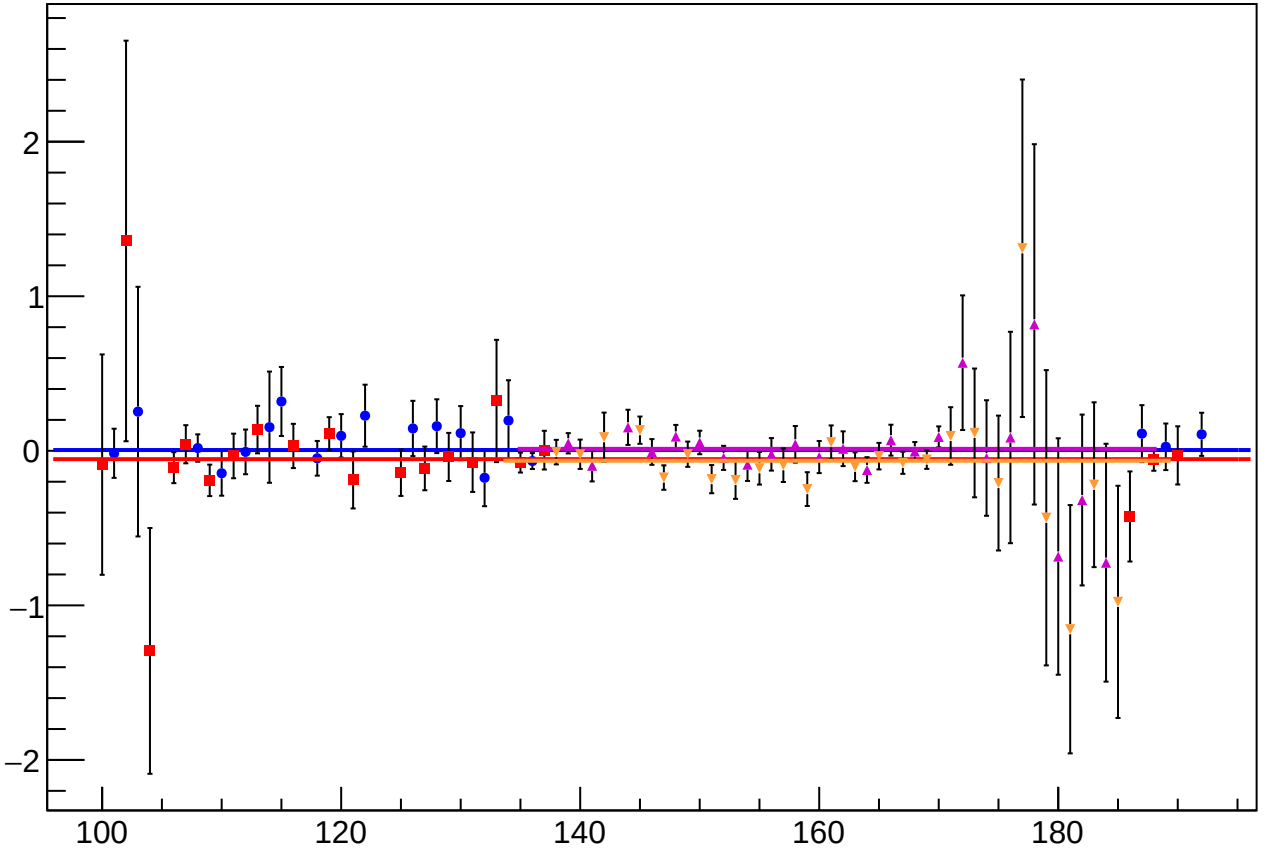
Right: 0.007+/-0.000 χ^2/NDF: 6499045.8/39

In: 0.005+/-0.000 χ^2/NDF:13167968.3/41

Out: 0.005+/-0.000 χ^2/NDF:13371825.0/44

All: 0.005+/-0.000 χ^2/NDF: 26541449.1/86

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: -0.054+/-0.028 χ^2/NDF: 14.7/20

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

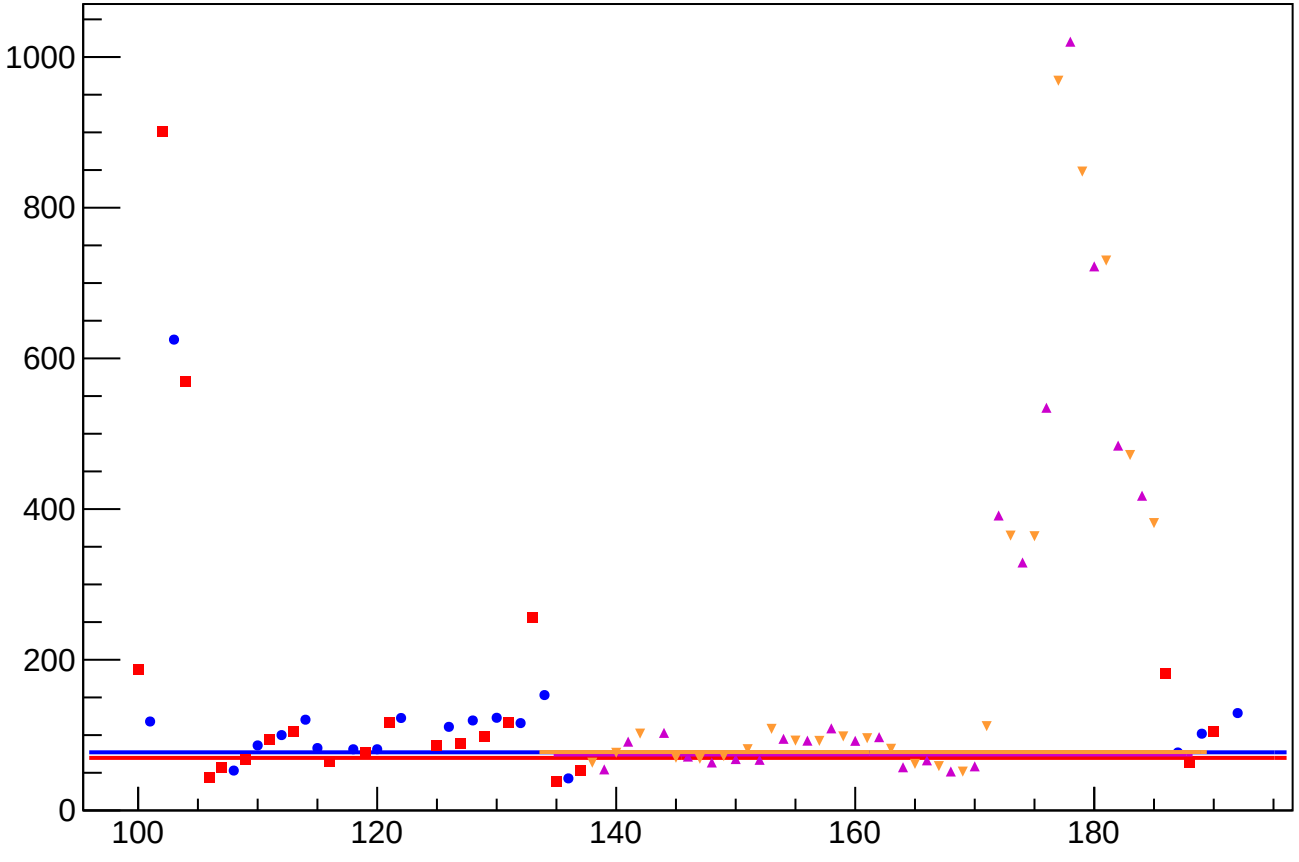
Right: -0.026+/-0.021 χ^2/NDF: 28.0/39

In: 0.010+/-0.017 χ^2/NDF:26.4/41

Out: -0.060+/-0.017 χ^2/NDF:37.1/44

All: -0.025+/-0.012 χ^2/NDF: 71.7/86

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: 69.773+/-0.020 χ^2/NDF: 3713162.7/20

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

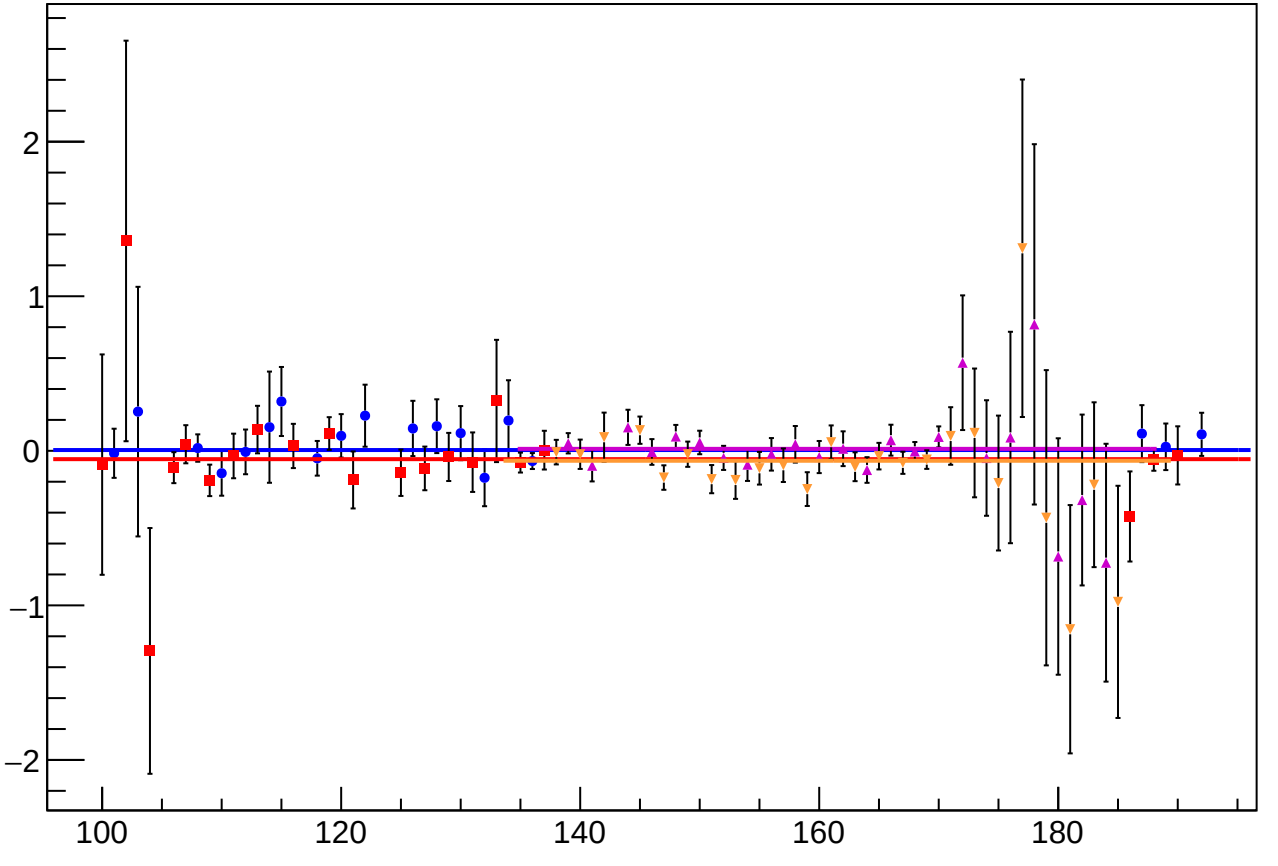
Right: 73.234+/-0.015 χ^2/NDF: 6990514.5/39

In: 75.180+/-0.012 χ^2/NDF:11740689.0/41

Out: 74.613+/-0.012 χ^2/NDF:12137017.9/44

All: 74.898+/-0.009 χ^2/NDF: 23878769.6/86

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: -0.054+/-0.028 χ^2/NDF: 14.7/20

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

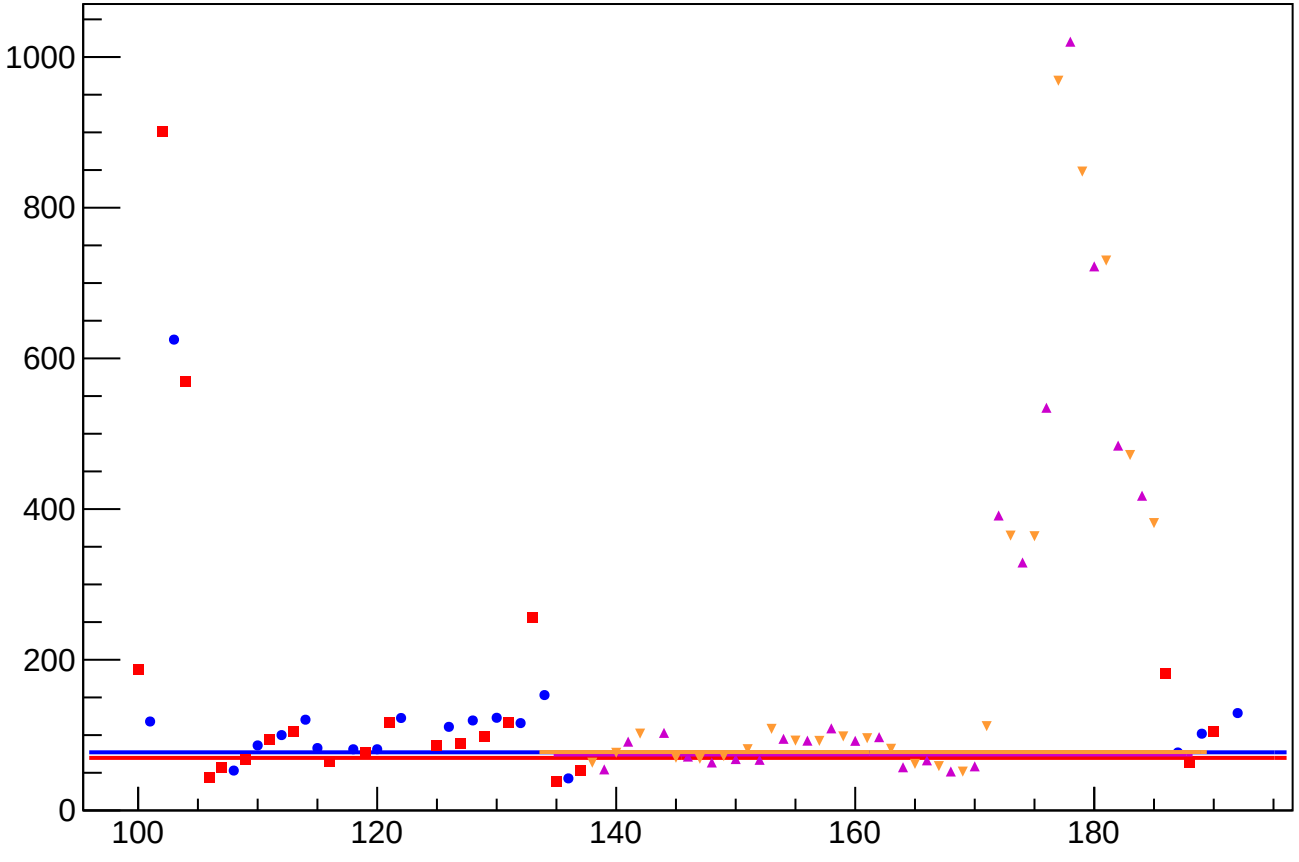
Right: -0.026+/-0.021 χ^2/NDF: 28.0/39

In: 0.010+/-0.017 χ^2/NDF:26.4/41

Out: -0.060+/-0.017 χ^2/NDF:37.1/44

All: -0.025+/-0.012 χ^2/NDF: 71.7/86

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: 69.773+/-0.020 χ^2/NDF: 3713162.7/20

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

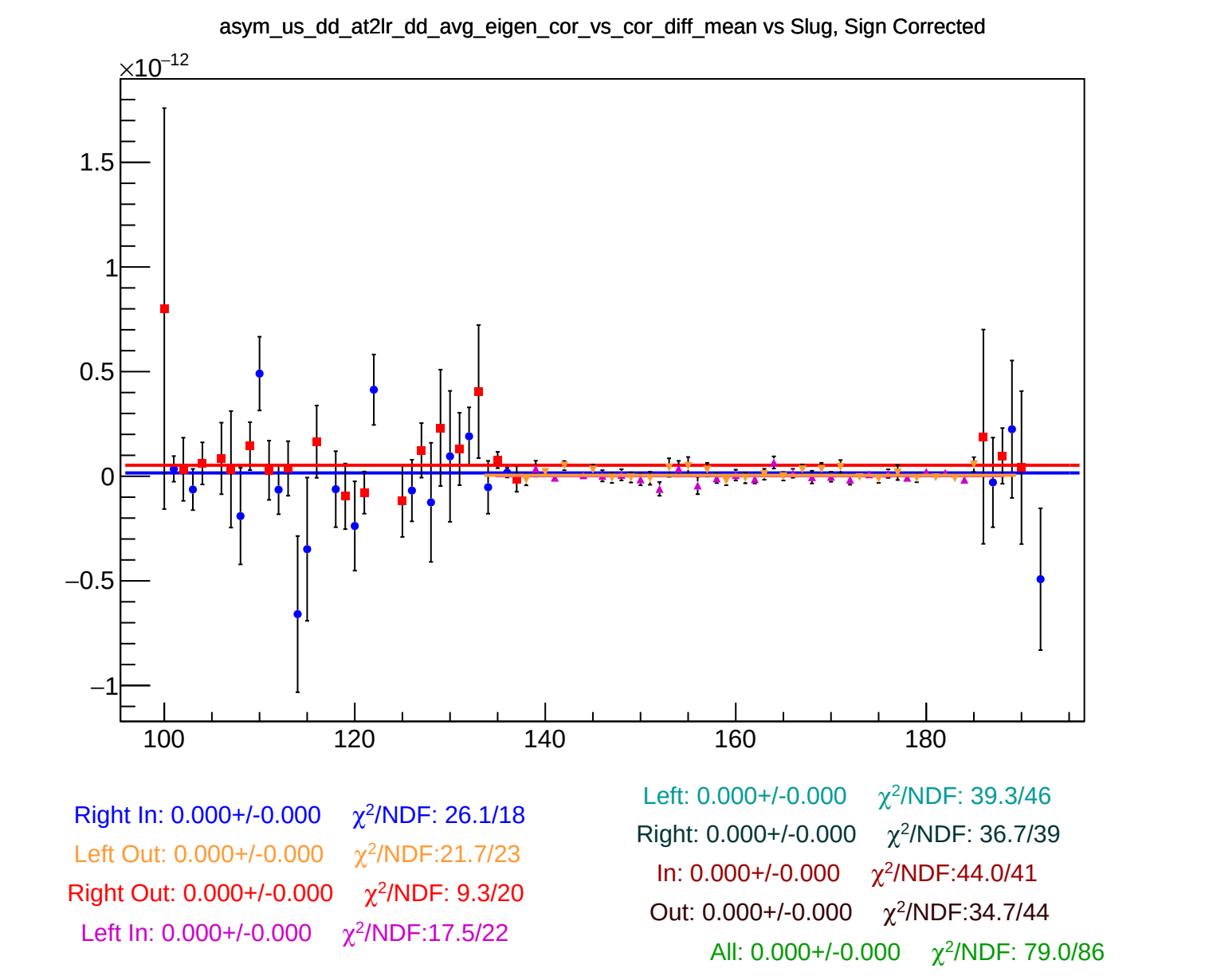
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

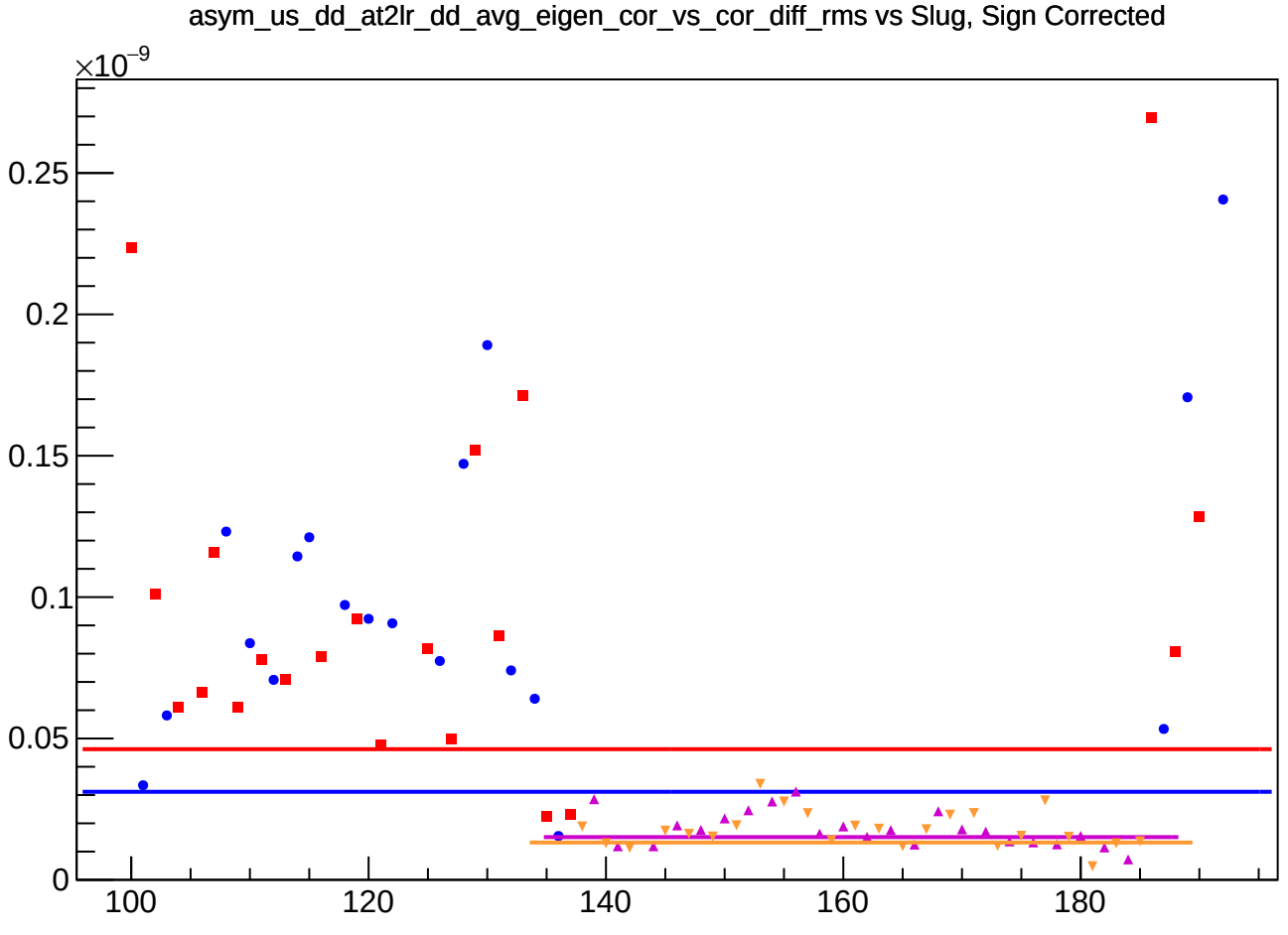
Right: 73.234+/-0.015 χ^2/NDF: 6990514.5/39

In: 75.180+/-0.012 χ^2/NDF:11740689.0/41

Out: 74.613+/-0.012 χ^2/NDF:12137017.9/44

All: 74.898+/-0.009 χ^2/NDF: 23878769.6/86


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 26.1/18
Left Out: 0.000+/-0.000 χ²/NDF:21.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 9.3/20
Left In: 0.000+/-0.000 χ²/NDF:17.5/22
Left: 0.000+/-0.000 χ²/NDF: 39.3/46
Right: 0.000+/-0.000 χ²/NDF: 36.7/39
In: 0.000+/-0.000 χ²/NDF:44.0/41
Out: 0.000+/-0.000 χ²/NDF:34.7/44
All: 0.000+/-0.000 χ²/NDF: 79.0/86



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: 3408429.1/20

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

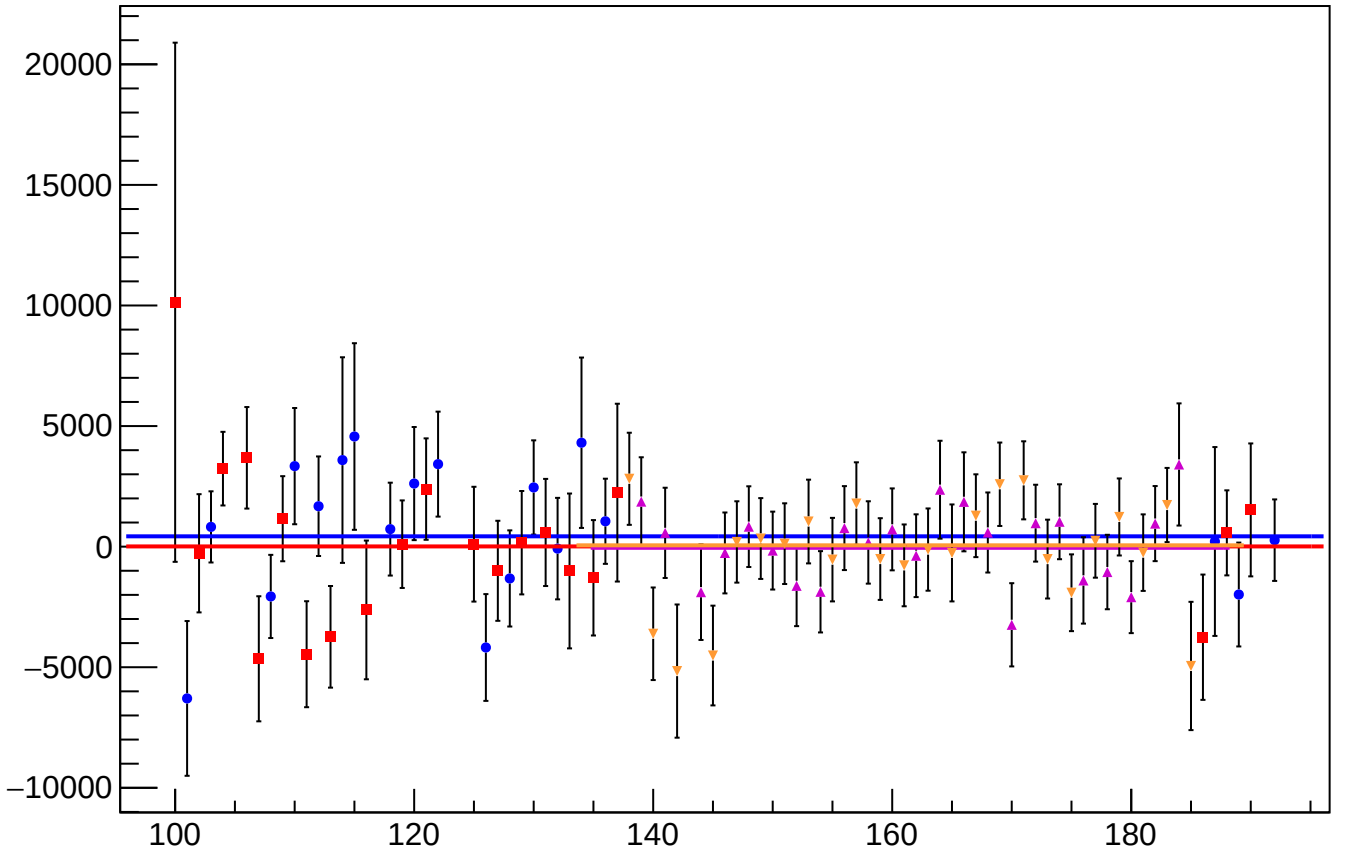
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

Right: 0.000+/-0.000 χ^2/NDF: 9119017.7/39

In: 0.000+/-0.000 χ^2/NDF:8701320.5/41

Out: 0.000+/-0.000 χ^2/NDF:11225239.0/44

All: 0.000+/-0.000 χ^2/NDF: 20092520.2/86



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: 9.196+/-490.367 χ^2/NDF: 25.1/20

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

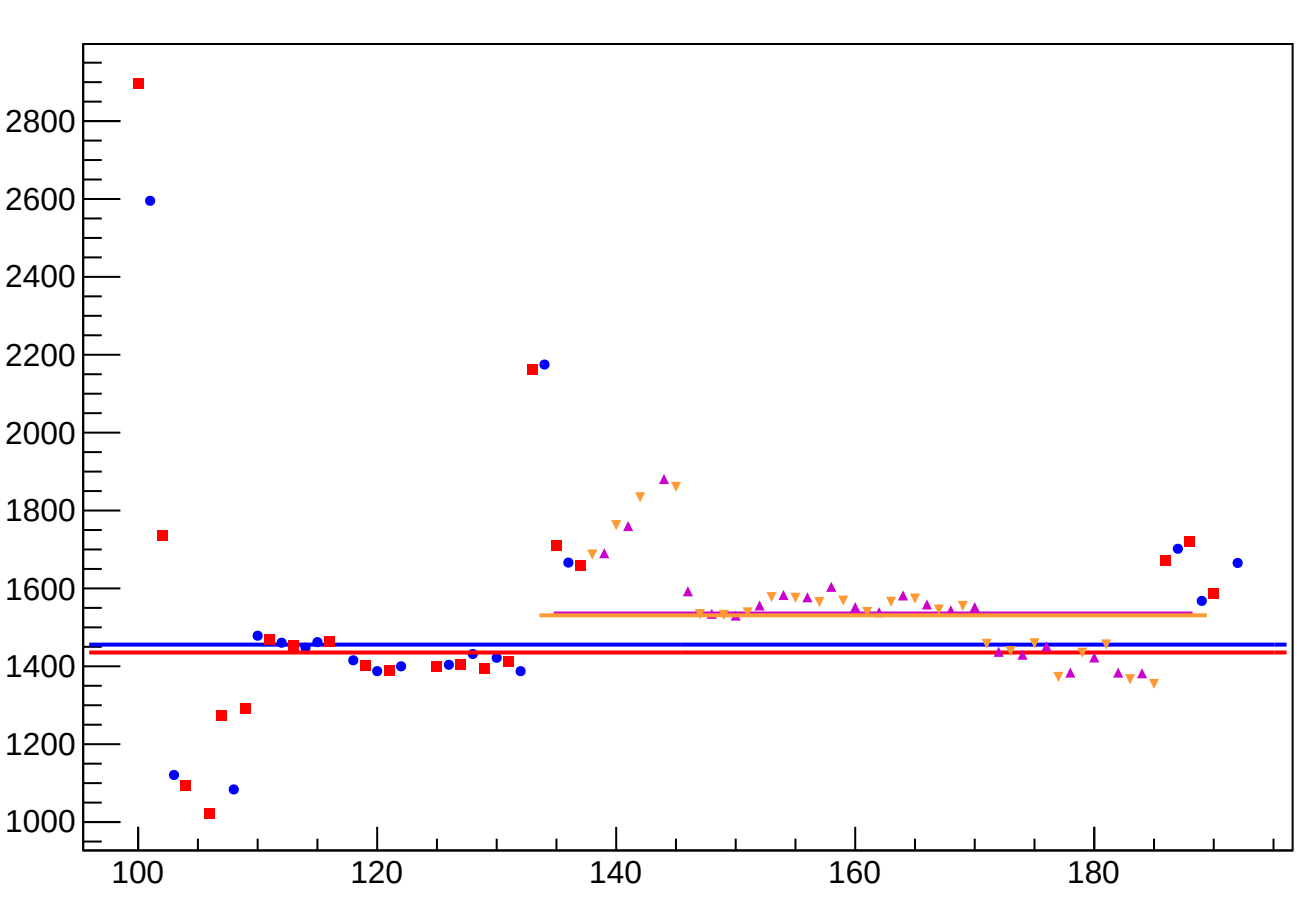
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 216.077+/-348.822 χ^2/NDF: 47.1/39

In: 115.706+/-291.161 χ^2/NDF:39.1/41

Out: 39.019+/-288.285 χ^2/NDF:53.5/44

All: 76.982+/-204.857 χ^2/NDF: 92.6/86



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: 1435.433+/-0.347 χ^2/NDF: 480846.8/20

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

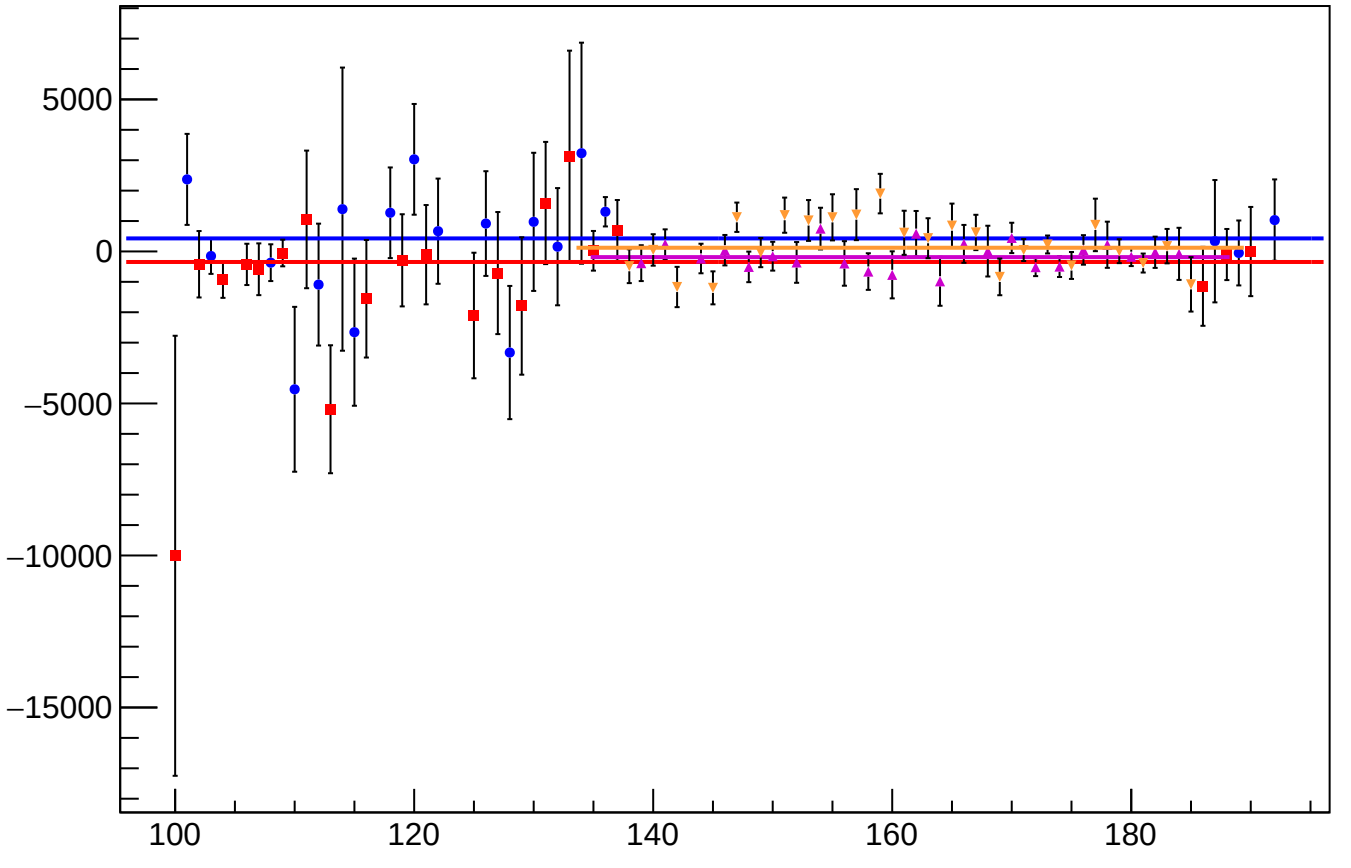
Right: 1445.432+/-0.247 χ^2/NDF: 1094467.8/39

In: 1508.060+/-0.206 χ^2/NDF:838344.4/41

Out: 1497.954+/-0.204 χ^2/NDF:734070.7/44

All: 1502.957+/-0.145 χ^2/NDF: 1573631.9/86

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: -346.849+/-219.393 χ^2/NDF: 14.4/20

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

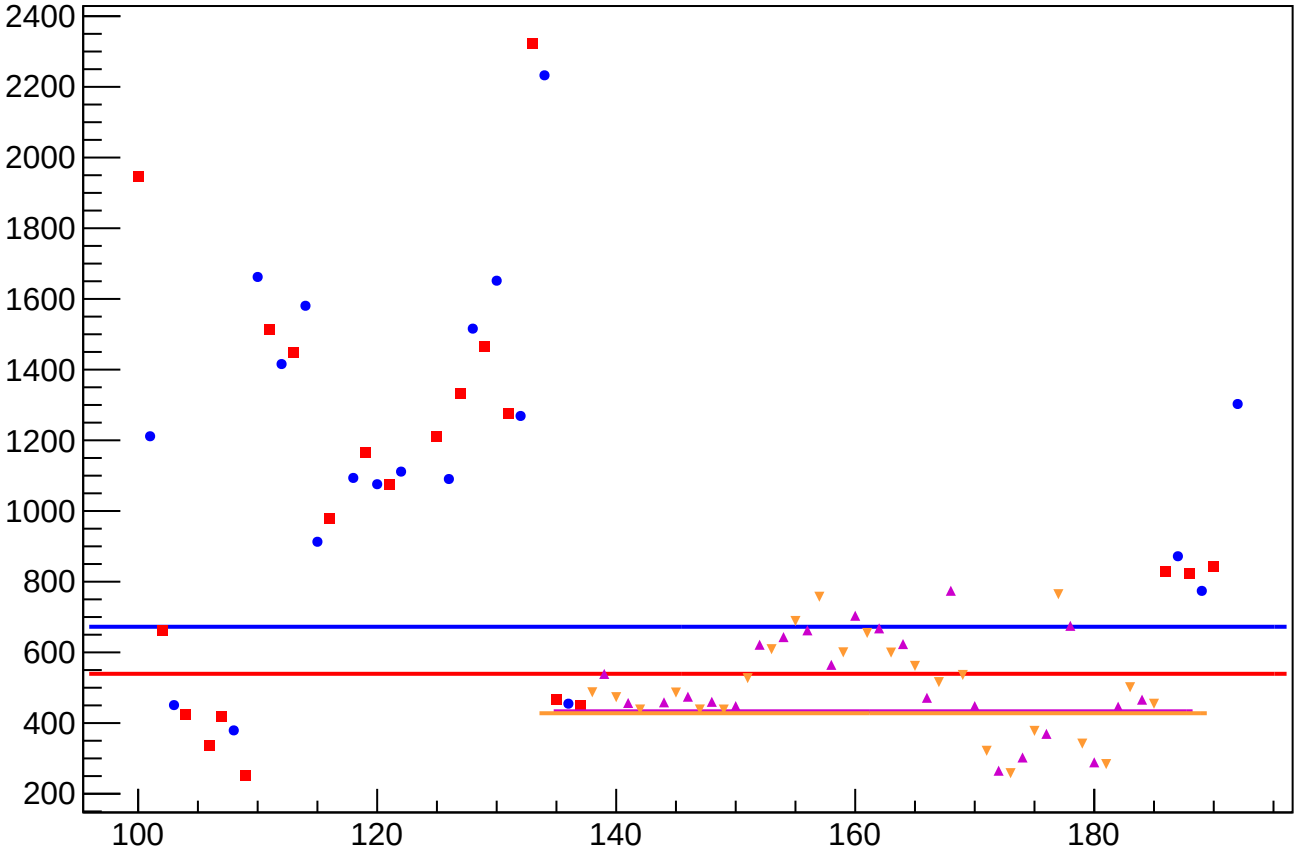
Right: -24.070+/-167.615 χ^2/NDF: 39.4/39

In: -97.615+/-98.917 χ^2/NDF:36.2/41

Out: 33.995+/-94.756 χ^2/NDF:61.8/44

All: -28.984+/-68.426 χ^2/NDF: 98.9/86

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: 539.384+/-0.155 χ^2/NDF: 4780791.5/20

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

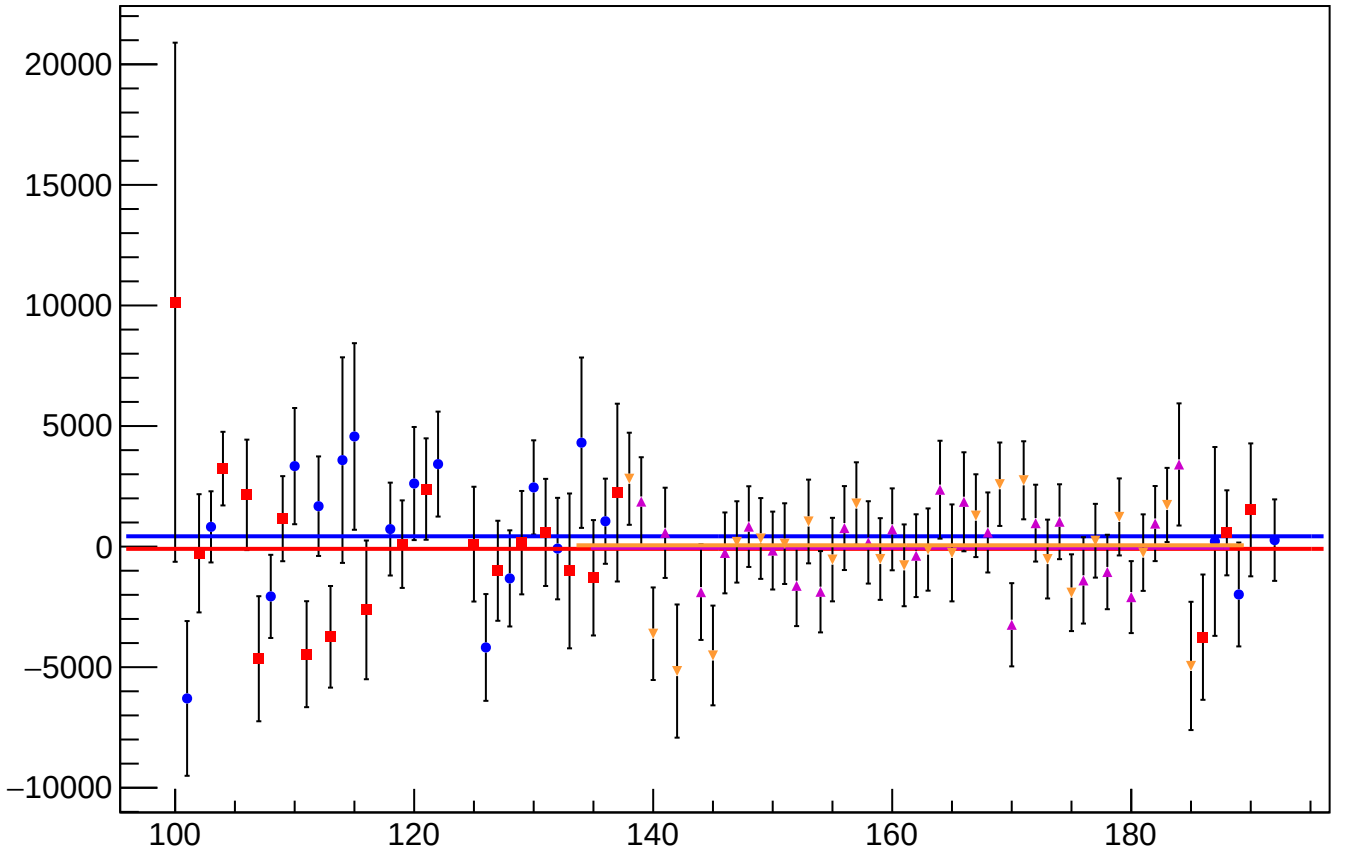
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 594.793+/-0.119 χ^2/NDF: 9358090.3/39

In: 467.964+/-0.070 χ^2/NDF:8968648.4/41

Out: 448.626+/-0.067 χ^2/NDF:8389693.0/44

All: 457.880+/-0.048 χ^2/NDF: 17398201.3/86



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: -93.240+/-492.438 χ^2/NDF: 22.8/20

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

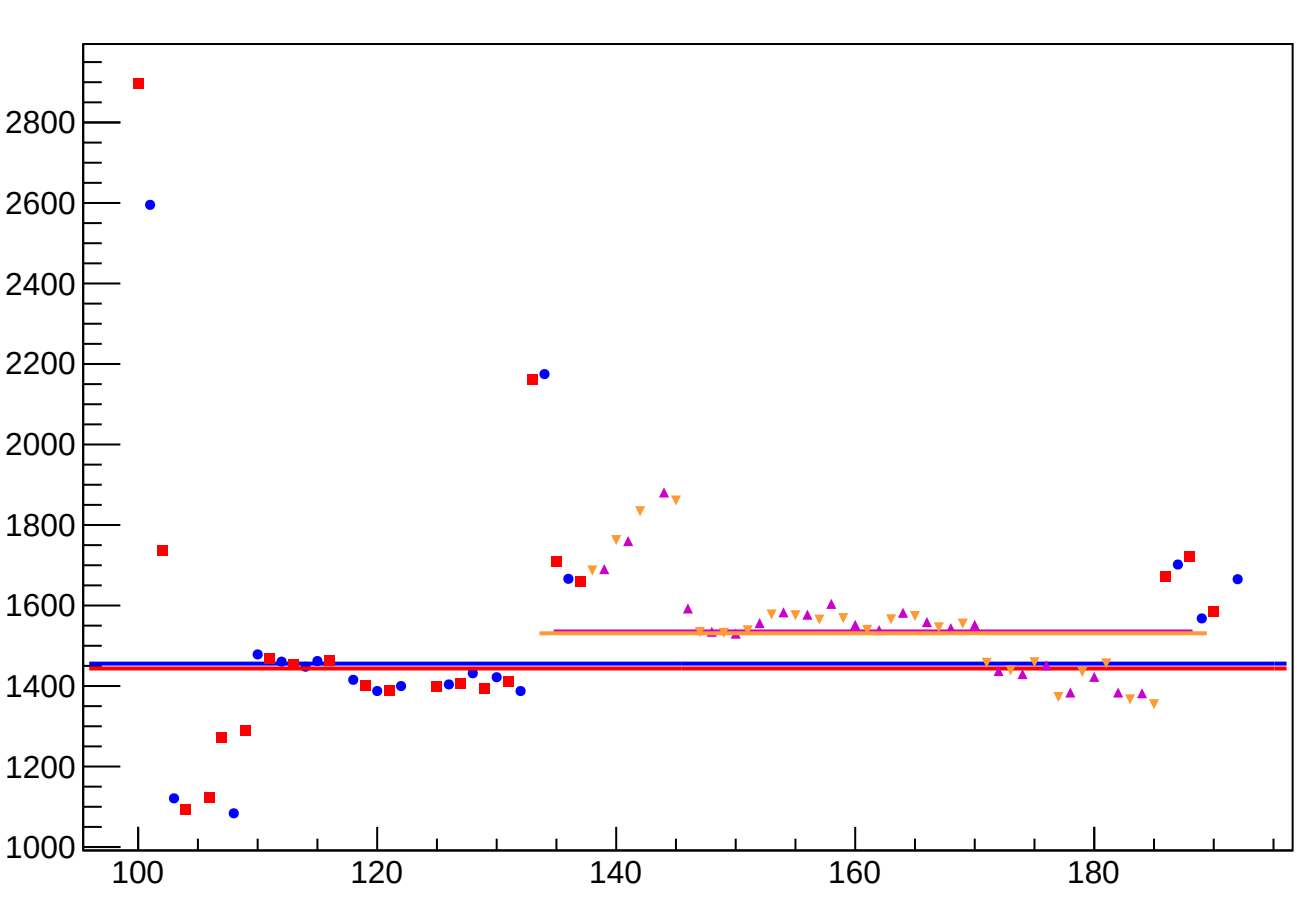
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 165.301+/-349.565 χ^2/NDF: 45.1/39

In: 115.627+/-291.161 χ^2/NDF:39.1/41

Out: 3.873+/-288.704 χ^2/NDF:51.4/44

All: 59.276+/-205.008 χ^2/NDF: 90.5/86



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: 1443.511+/-0.348 χ^2/NDF: 440953.5/20

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

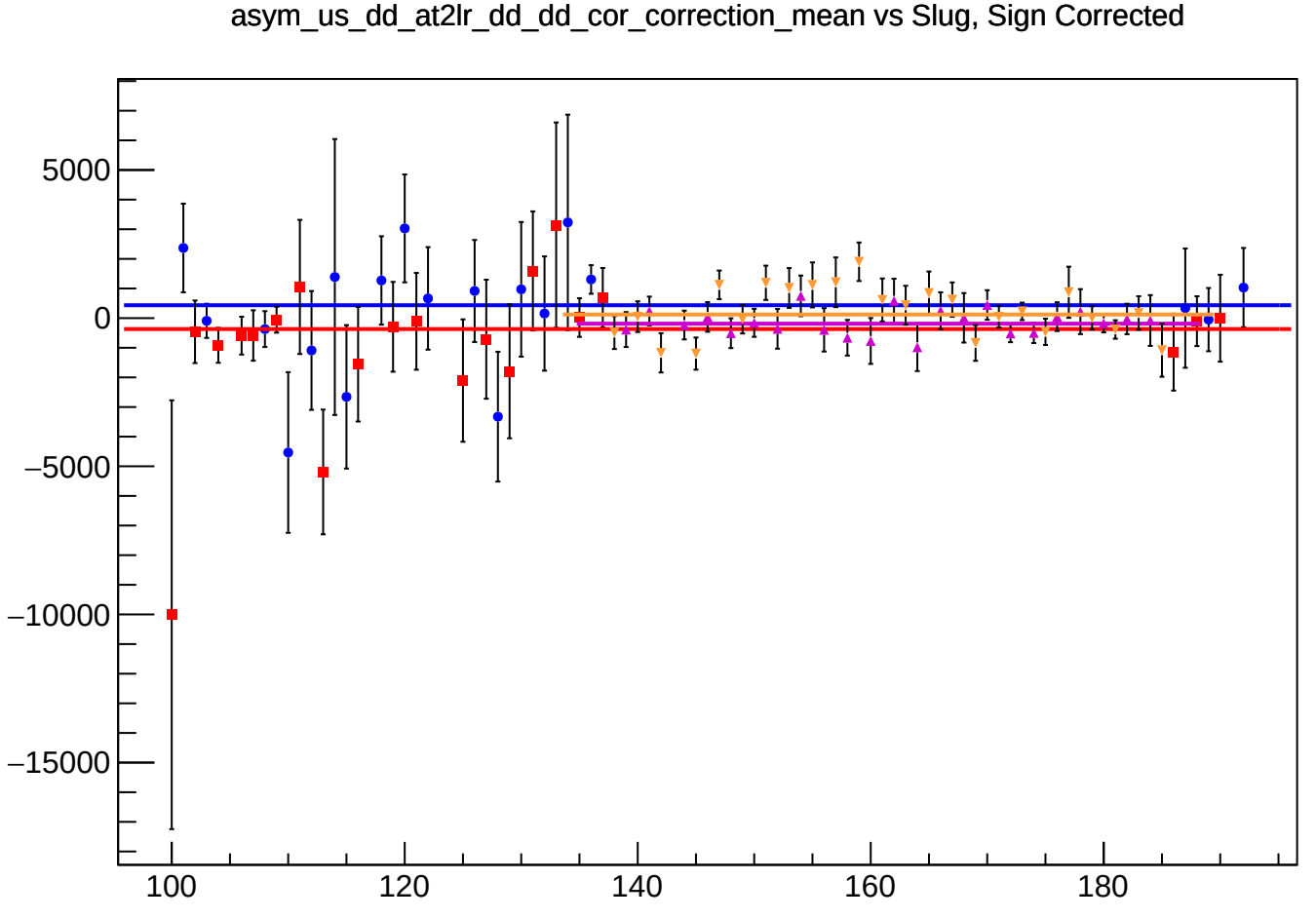
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1449.546+/-0.247 χ^2/NDF: 1053496.5/39

In: 1508.060+/-0.206 χ^2/NDF:838344.8/41

Out: 1500.913+/-0.204 χ^2/NDF:685901.4/44

All: 1504.456+/-0.145 χ^2/NDF: 1524853.9/86



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: -368.045+/-217.412 χ^2/NDF: 14.5/20

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

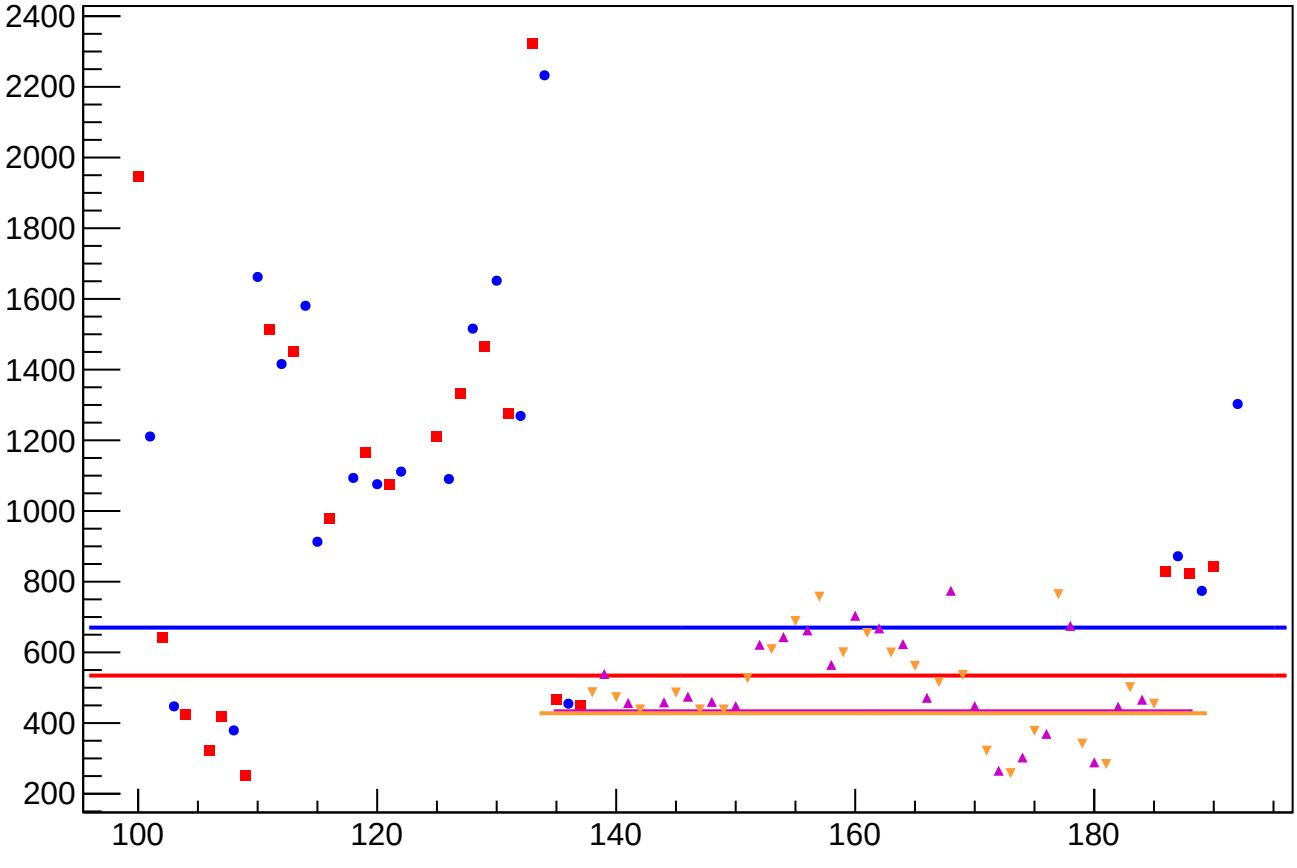
Right: -35.297+/-166.465 χ^2/NDF: 39.8/39

In: -96.089+/-98.862 χ^2/NDF:36.1/41

Out: 28.684+/-94.595 χ^2/NDF:62.3/44

All: -30.952+/-68.347 χ^2/NDF: 99.3/86

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: 534.396+/-0.154 χ^2/NDF: 4824379.6/20

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

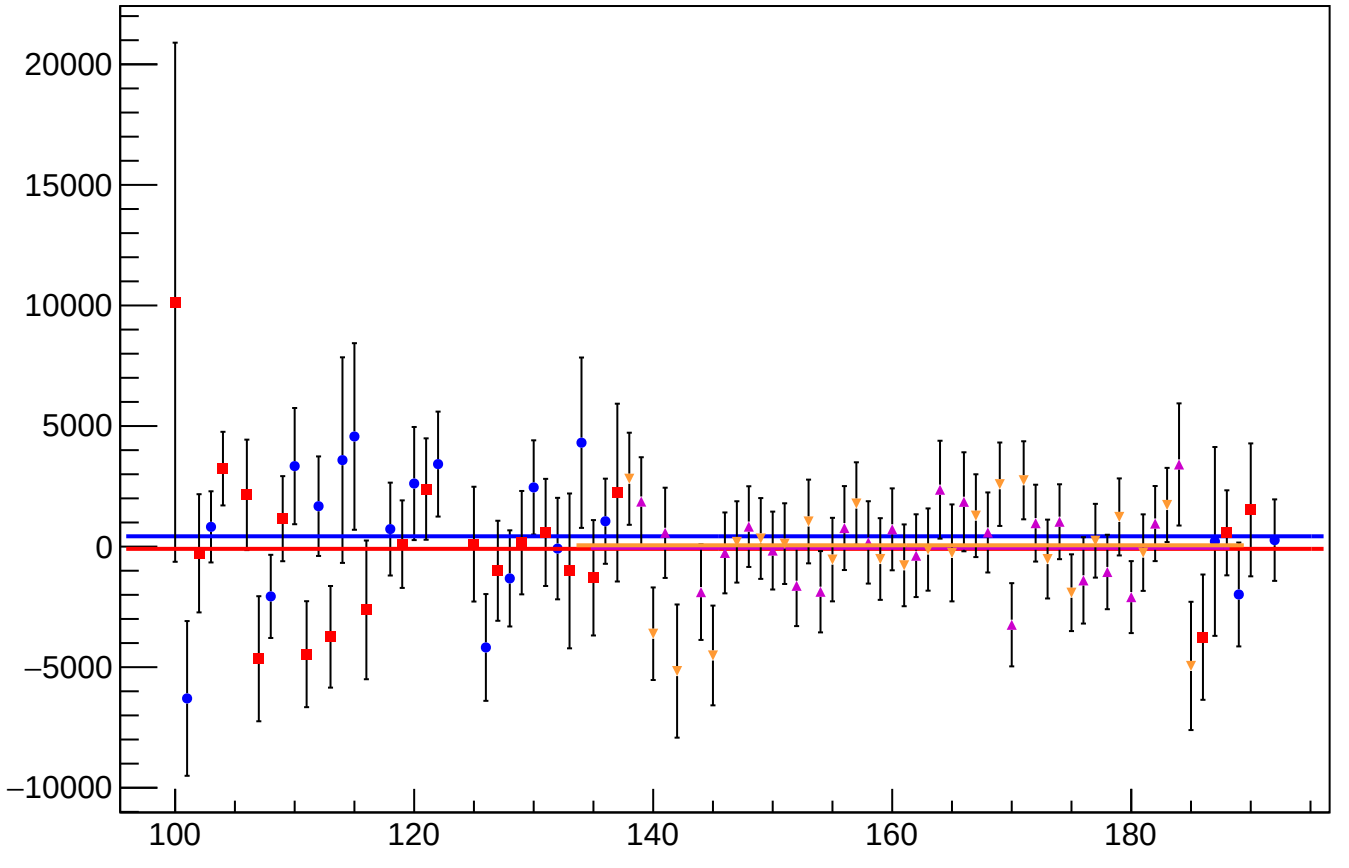
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 590.536+/-0.118 χ^2/NDF: 9437720.7/39

In: 467.842+/-0.070 χ^2/NDF:8969012.1/41

Out: 447.991+/-0.067 χ^2/NDF:8402437.8/44

All: 457.479+/-0.048 χ^2/NDF: 17413545.8/86



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: -93.240+/-492.438 χ^2/NDF: 22.8/20

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

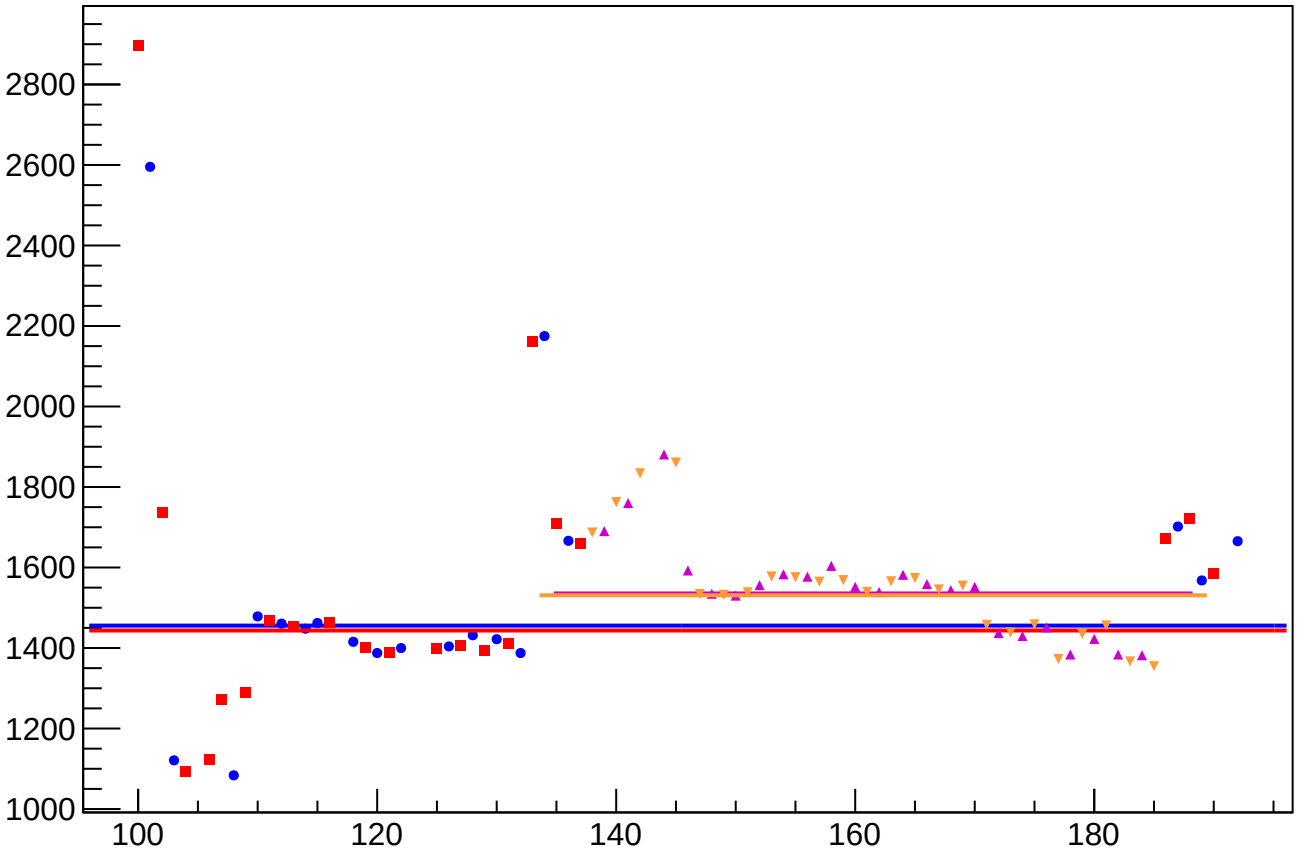
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 165.301+/-349.565 χ^2/NDF: 45.1/39

In: 115.627+/-291.161 χ^2/NDF:39.1/41

Out: 3.873+/-288.704 χ^2/NDF:51.4/44

All: 59.276+/-205.008 χ^2/NDF: 90.5/86



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: 1443.511+/-0.348 χ^2/NDF: 440953.5/20

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

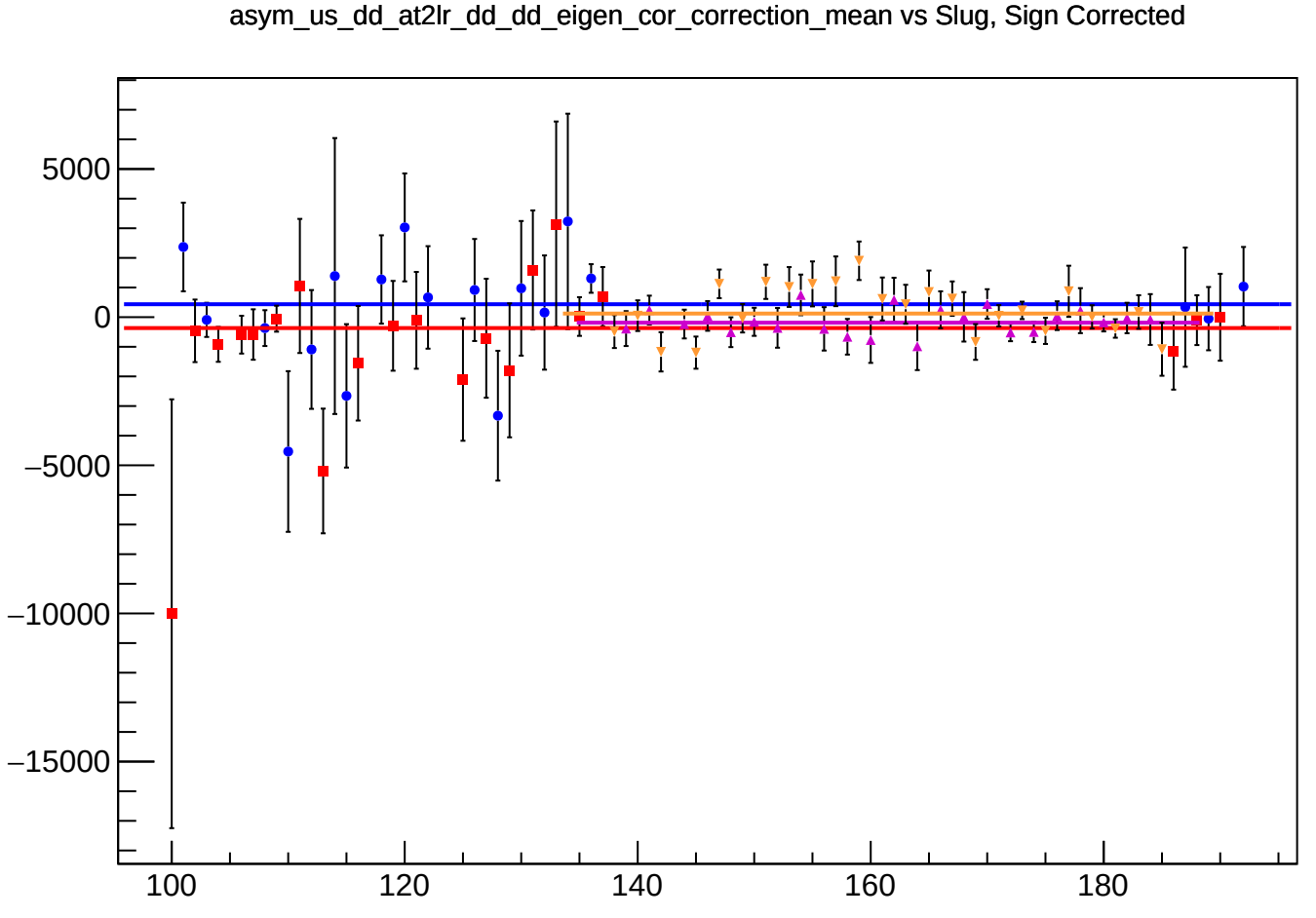
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1449.546+/-0.247 χ^2/NDF: 1053496.5/39

In: 1508.060+/-0.206 χ^2/NDF:838344.8/41

Out: 1500.913+/-0.204 χ^2/NDF:685901.4/44

All: 1504.456+/-0.145 χ^2/NDF: 1524853.9/86



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: -368.045+/-217.412 χ^2/NDF: 14.5/20

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

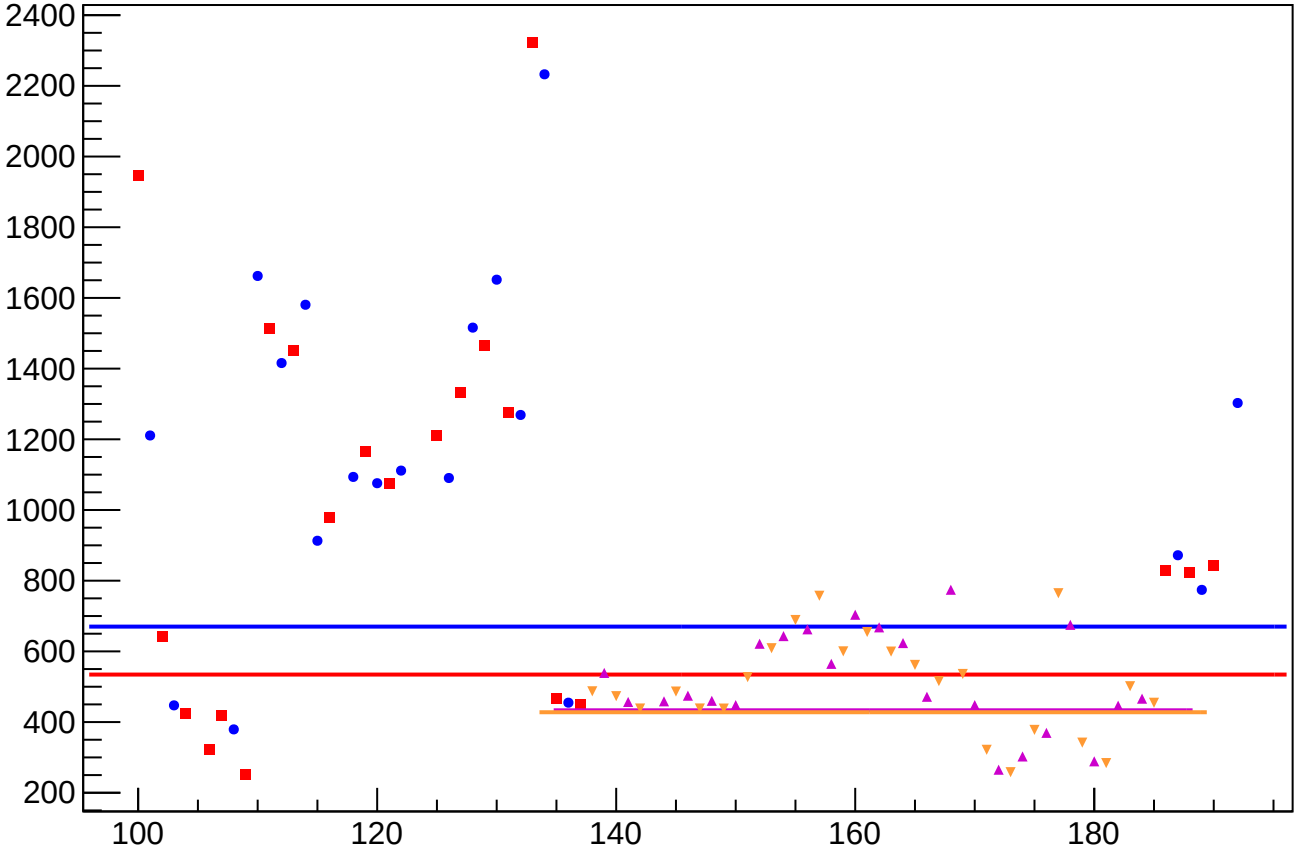
Right: -35.297+/-166.465 χ^2/NDF: 39.8/39

In: -96.089+/-98.862 χ^2/NDF:36.1/41

Out: 28.684+/-94.595 χ^2/NDF:62.3/44

All: -30.952+/-68.347 χ^2/NDF: 99.3/86

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: 534.396+/-0.154 χ^2/NDF: 4824379.6/20

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

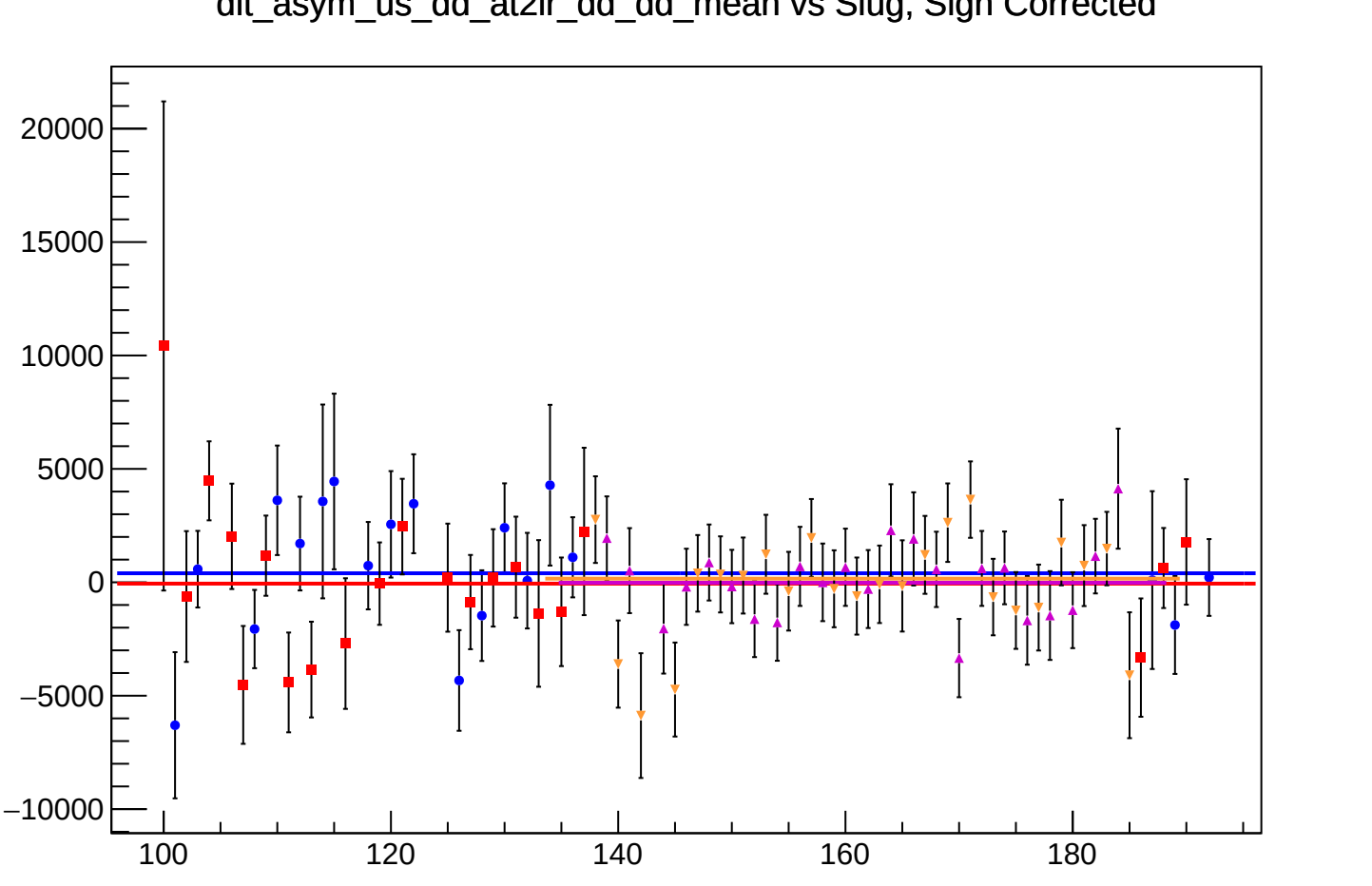
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

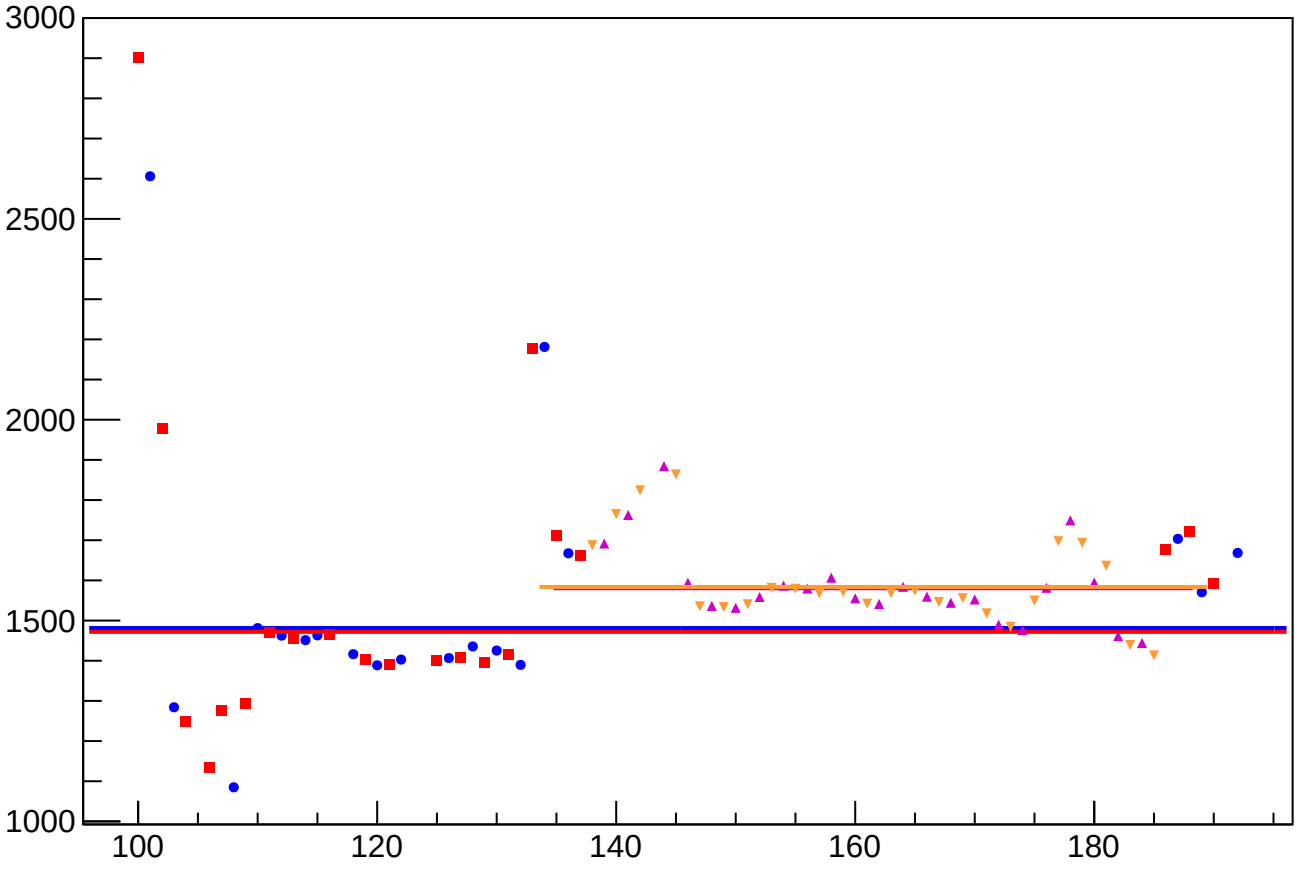
Right: 590.536+/-0.118 χ^2/NDF: 9437720.7/39

In: 467.842+/-0.070 χ^2/NDF:8969012.1/41

Out: 447.991+/-0.067 χ^2/NDF:8402437.8/44

All: 457.479+/-0.048 χ^2/NDF: 17413545.8/86


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: -59.037+/-502.438 χ²/NDF: 24.7/20
Left In: -20.252+/-369.781 χ²/NDF:16.0/22
Left: 71.018+/-260.973 χ²/NDF: 46.0/46
Right: 169.136+/-355.774 χ²/NDF: 47.1/39
In: 126.373+/-298.110 χ²/NDF:38.4/41
Out: 84.459+/-297.077 χ²/NDF:54.7/44
All: 105.343+/-210.430 χ²/NDF: 93.2/86



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: 1471.936+/-0.355 χ^2/NDF: 394736.4/20

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

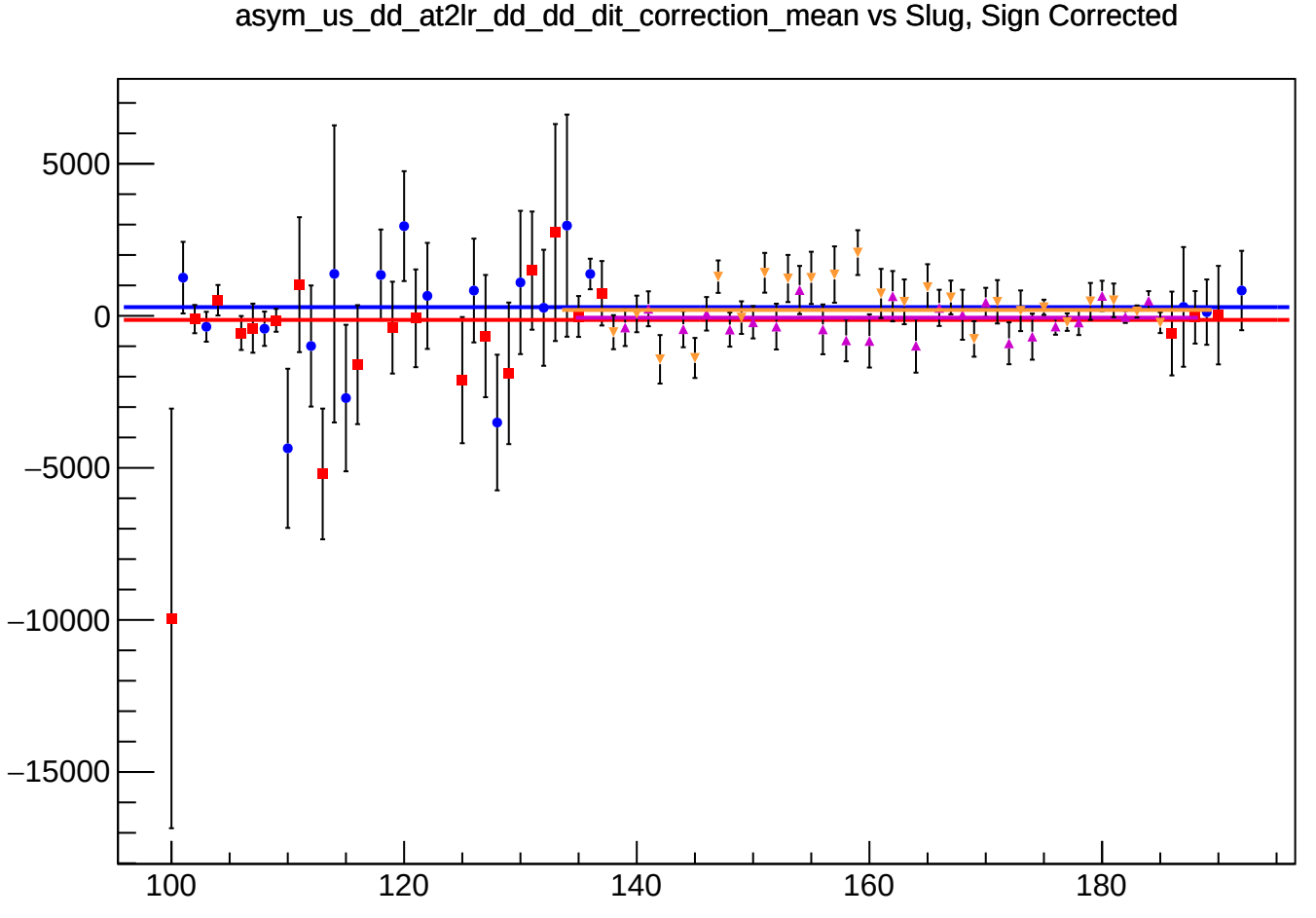
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1476.673+/-0.252 χ^2/NDF: 923056.0/39

In: 1545.797+/-0.211 χ^2/NDF:703921.6/41

Out: 1544.610+/-0.210 χ^2/NDF:592653.1/44

All: 1545.201+/-0.149 χ^2/NDF: 1296590.6/86



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: -134.921+/-187.977 χ^2/NDF: 14.6/20

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

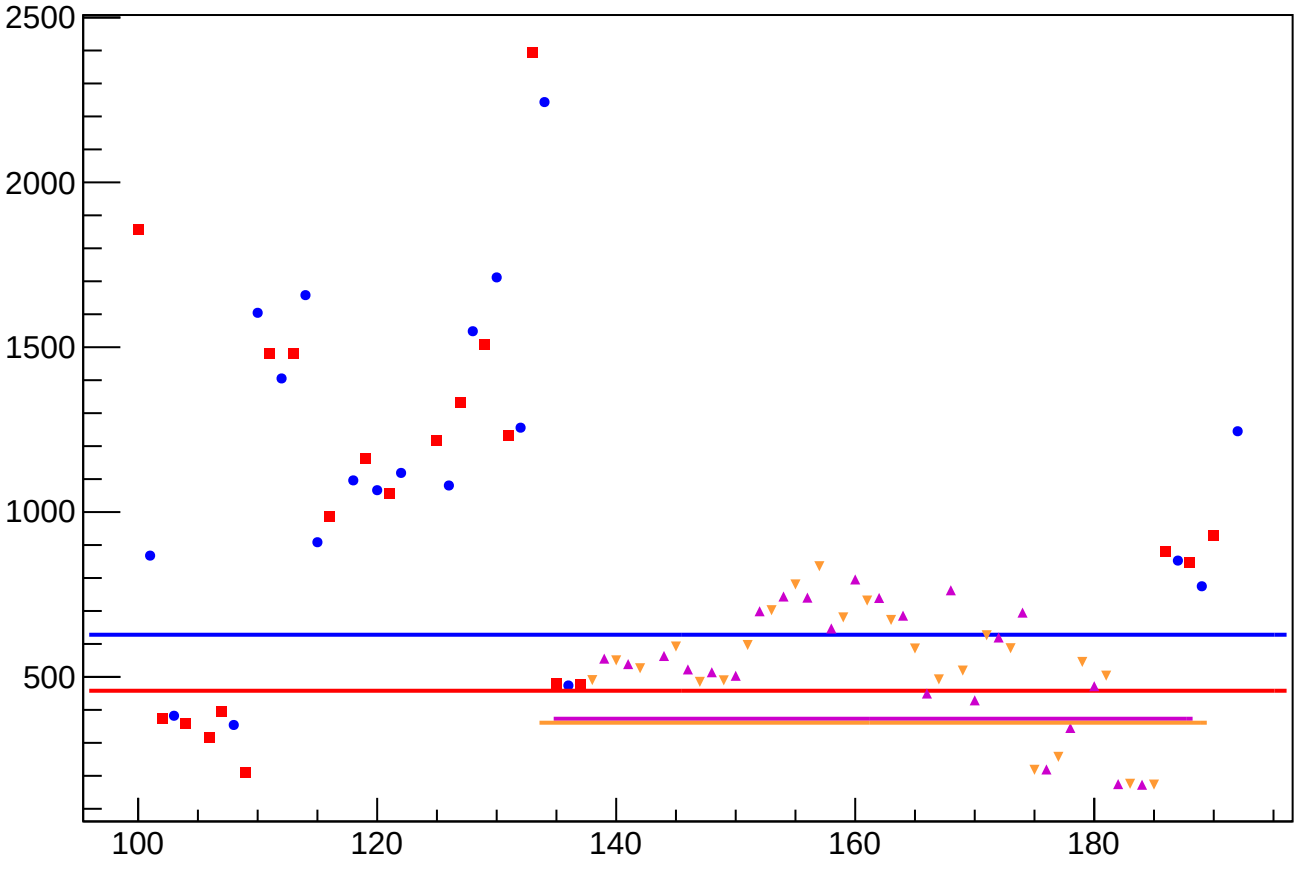
Right: 19.653+/-149.496 χ^2/NDF: 36.8/39

In: -13.297+/-92.445 χ^2/NDF:39.1/41

Out: 125.529+/-85.421 χ^2/NDF:57.0/44

All: 61.590+/-62.738 χ^2/NDF: 97.4/86

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: 458.046+/-0.133 χ^2/NDF: 5683692.4/20

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

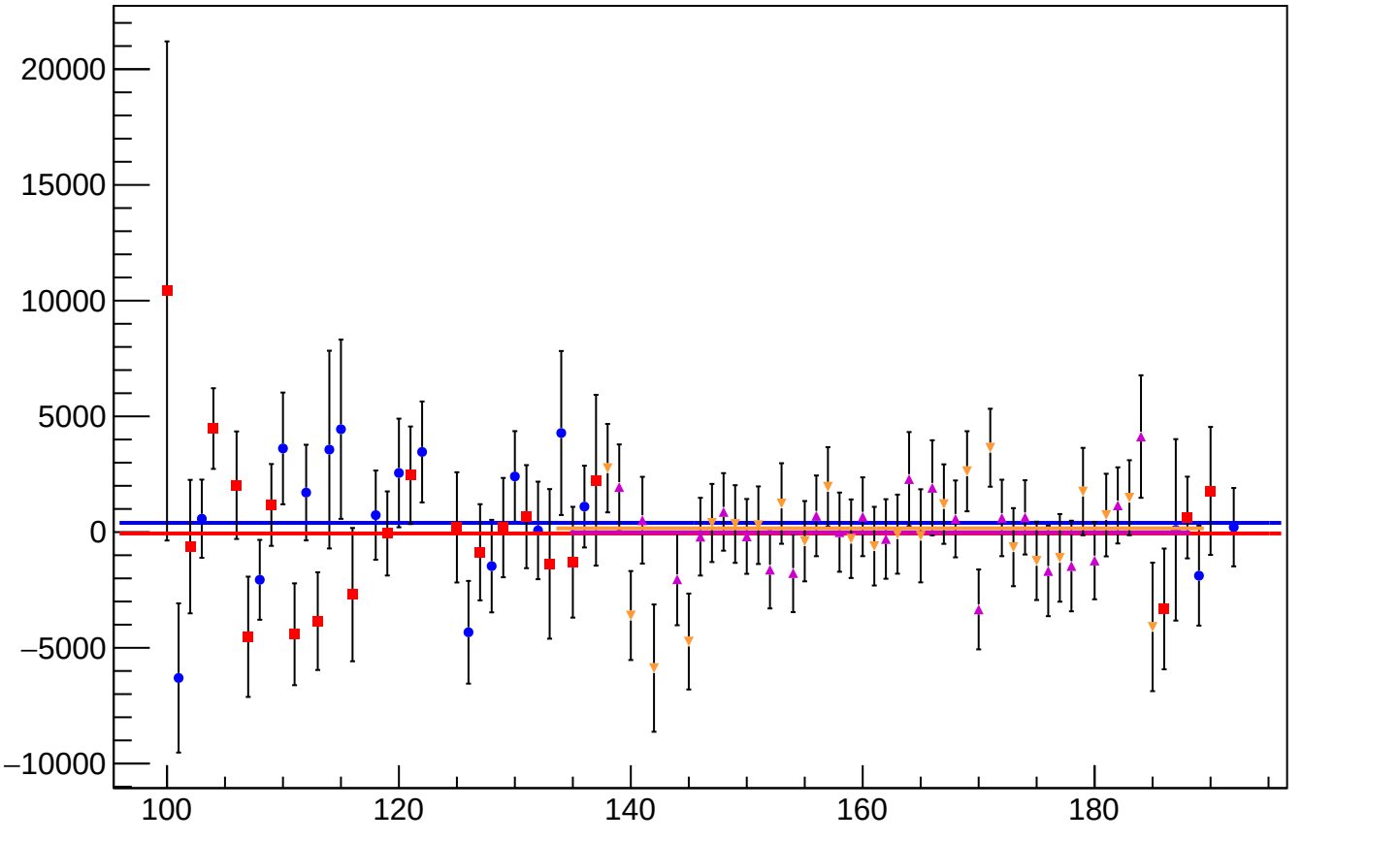
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

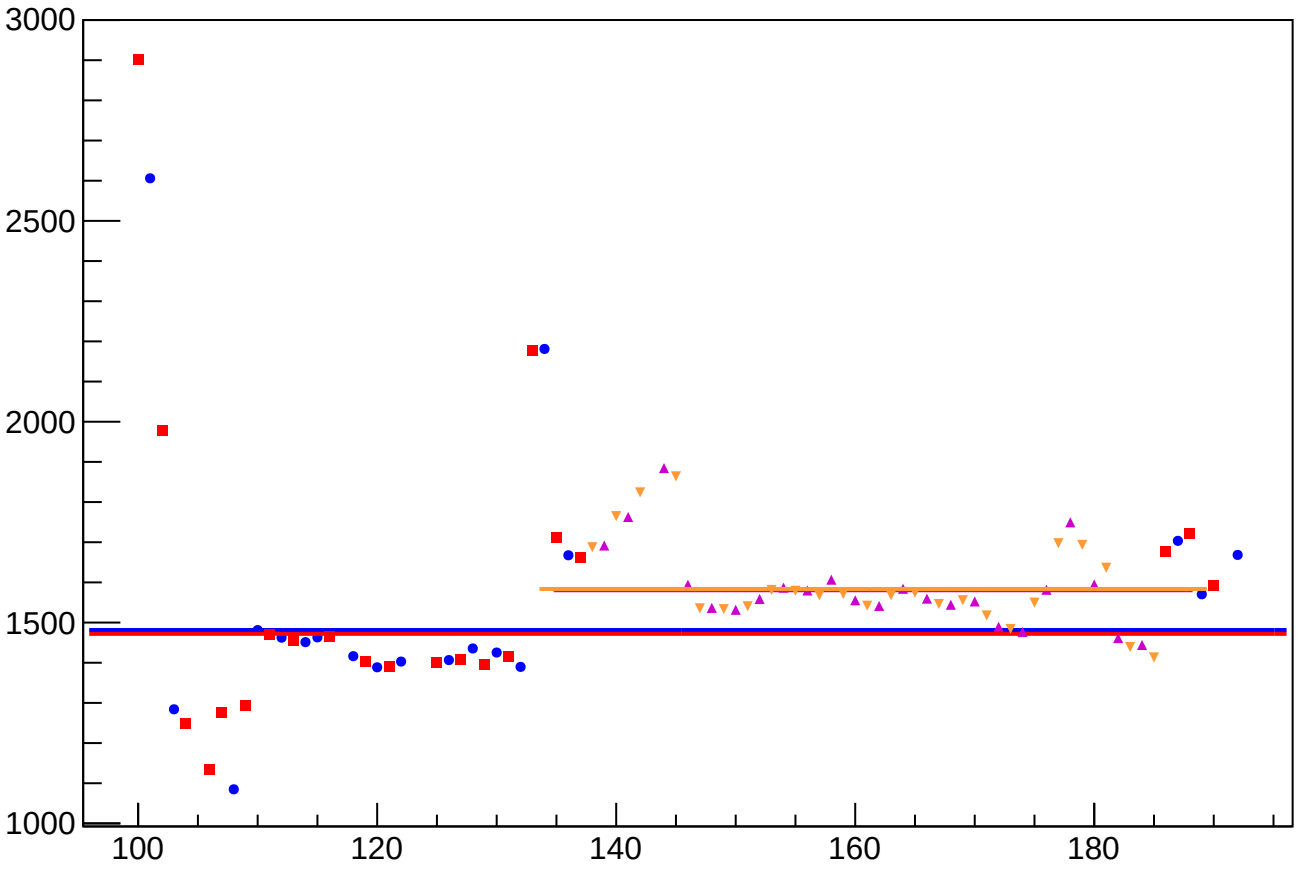
Right: 520.483+/-0.106 χ^2/NDF: 10721133.1/39

In: 408.948+/-0.065 χ^2/NDF:14479503.2/41

Out: 381.119+/-0.060 χ^2/NDF:14288934.2/44

All: 393.936+/-0.044 χ^2/NDF: 28866202.1/86


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: 398.591+/-503.847 χ²/NDF: 22.0/18
Left Out: 161.587+/-368.366 χ²/NDF:29.9/23
Right Out: -59.035+/-502.438 χ²/NDF: 24.7/20
Left In: -20.250+/-369.781 χ²/NDF:16.0/22
Left: 71.017+/-260.973 χ²/NDF: 46.0/46
Right: 169.137+/-355.774 χ²/NDF: 47.1/39
In: 126.374+/-298.110 χ²/NDF:38.4/41
Out: 84.457+/-297.077 χ²/NDF:54.7/44
All: 105.343+/-210.429 χ²/NDF: 93.2/86



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: 1471.936+/-0.355 χ^2/NDF: 394736.6/20

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

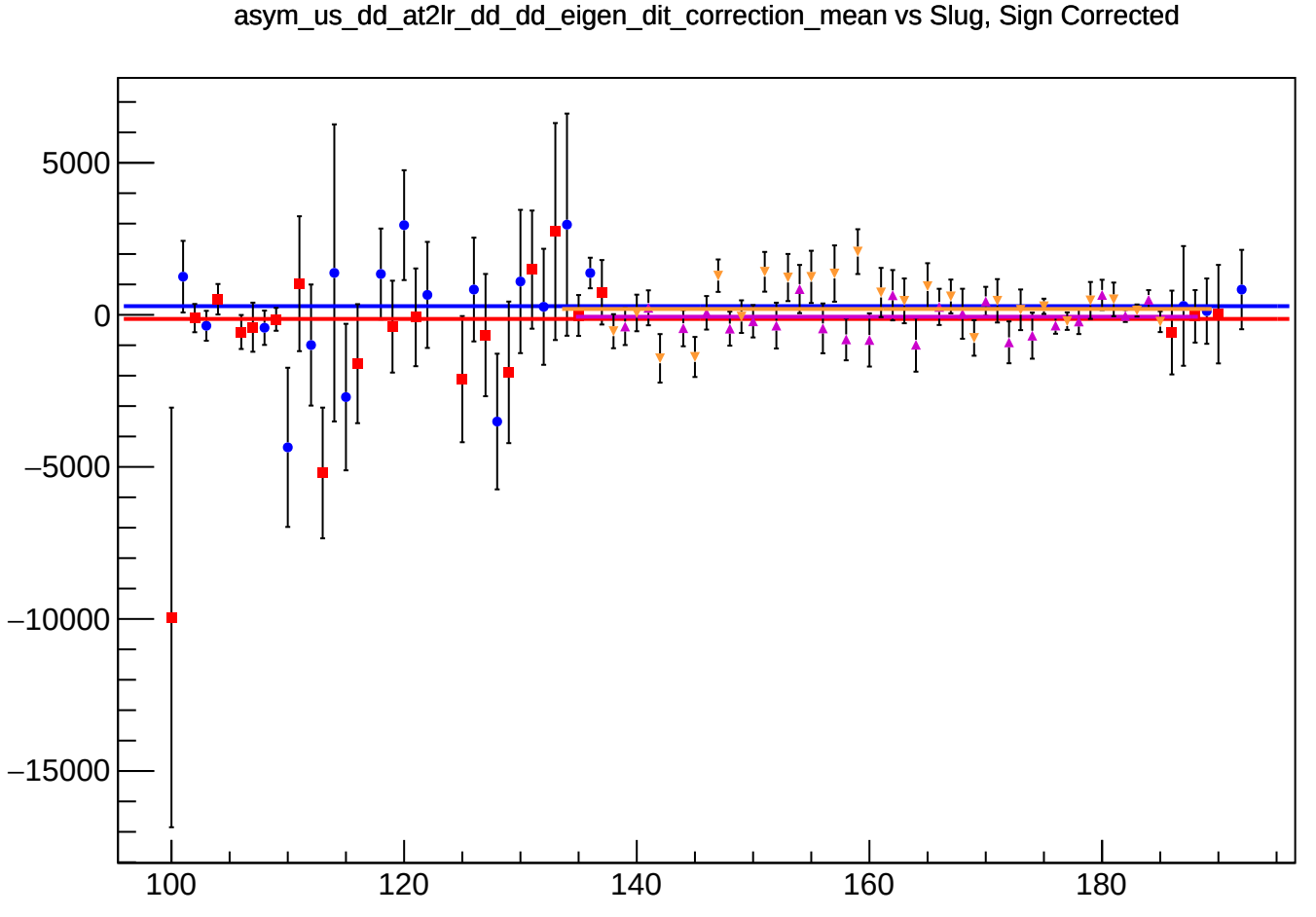
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1476.673+/-0.252 χ^2/NDF: 923055.8/39

In: 1545.797+/-0.211 χ^2/NDF:703920.8/41

Out: 1544.609+/-0.210 χ^2/NDF:592653.3/44

All: 1545.201+/-0.149 χ^2/NDF: 1296590.1/86



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: -134.917+/-187.979 χ^2/NDF: 14.6/20

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

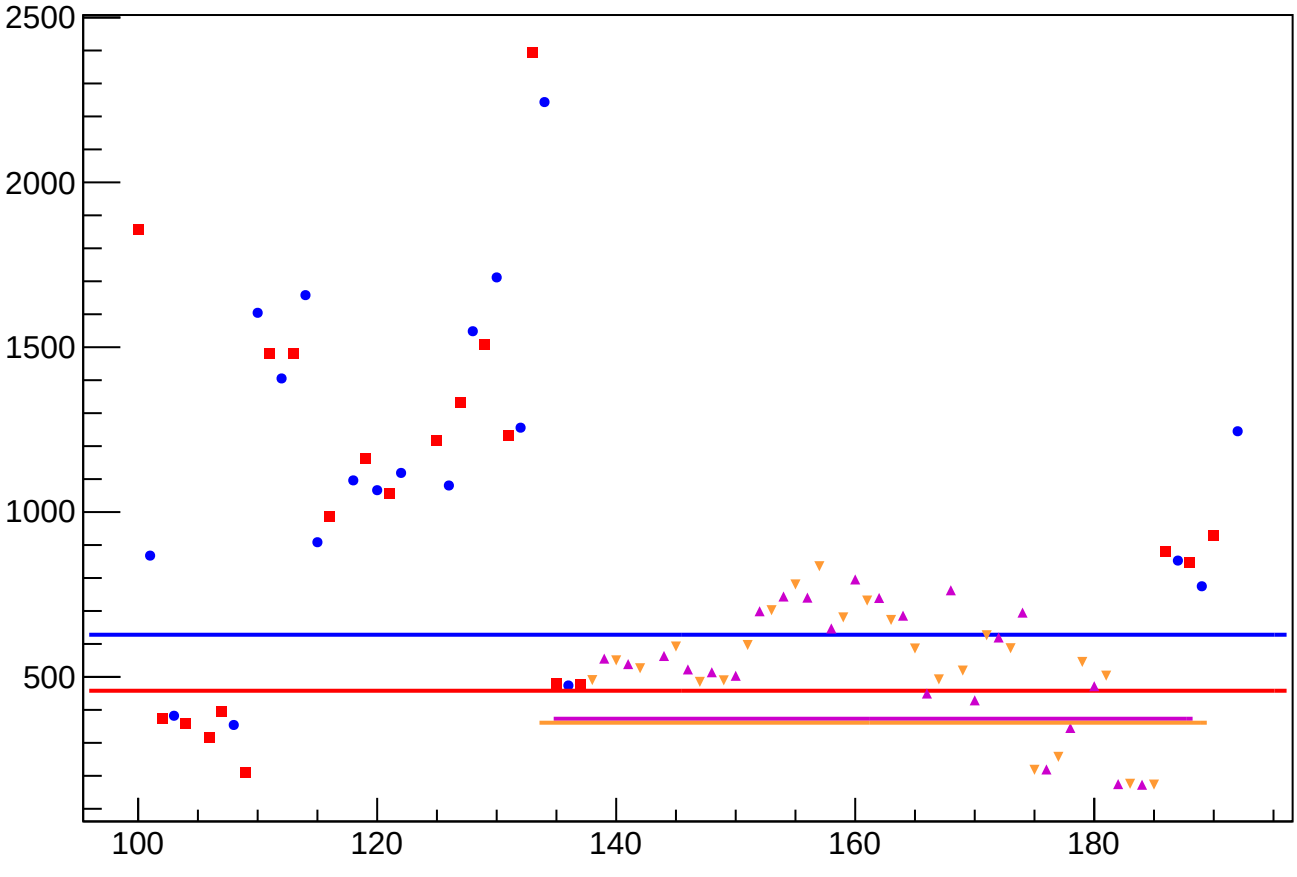
Right: 19.655+/-149.497 χ^2/NDF: 36.8/39

In: -13.296+/-92.446 χ^2/NDF:39.1/41

Out: 125.534+/-85.421 χ^2/NDF:57.0/44

All: 61.593+/-62.739 χ^2/NDF: 97.4/86

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: 458.052+/-0.133 χ^2/NDF: 5683612.1/20

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

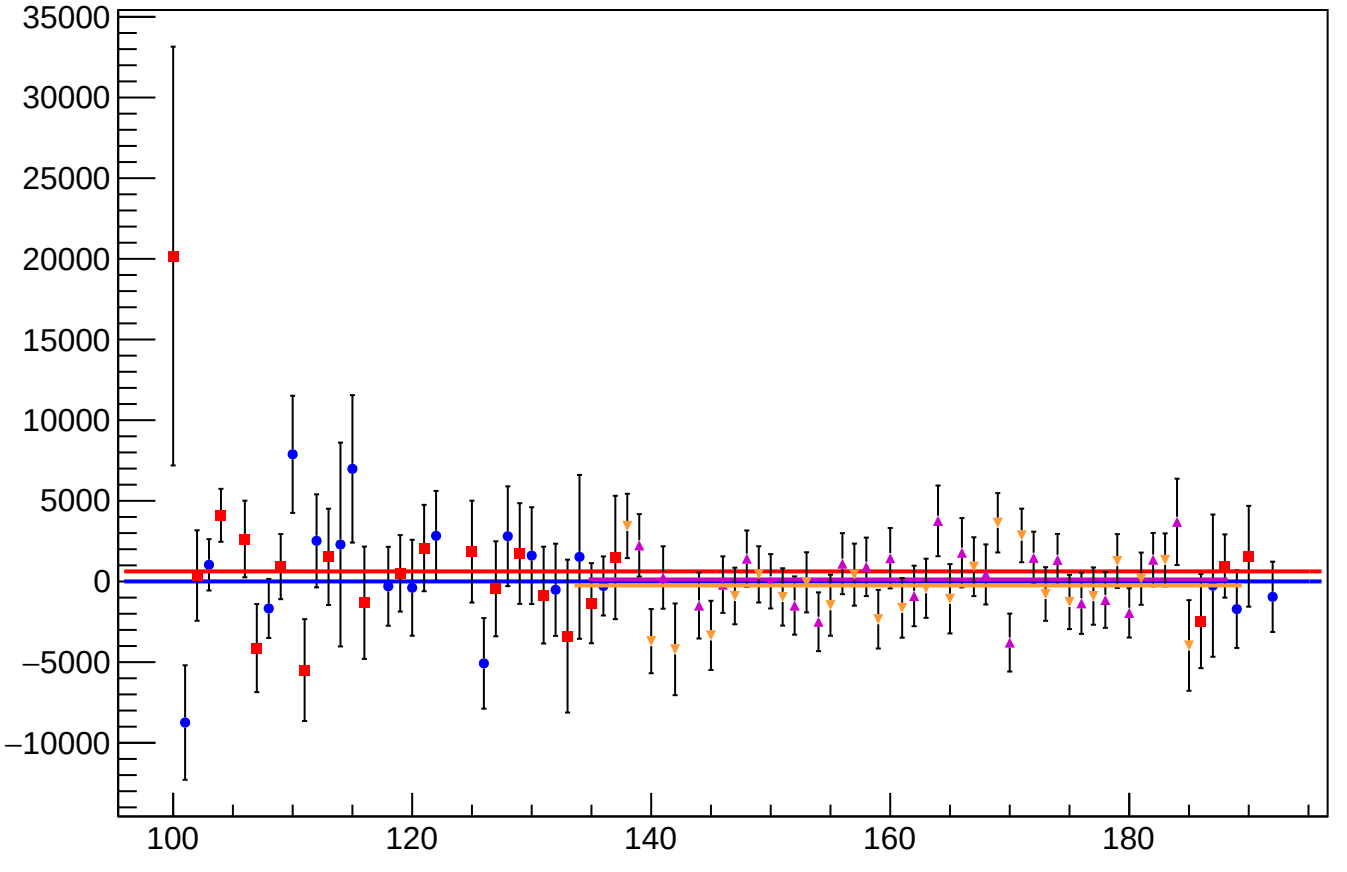
Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

Right: 520.487+/-0.106 χ^2/NDF: 10721023.0/39

In: 408.952+/-0.065 χ^2/NDF:14479192.9/41

Out: 381.123+/-0.060 χ^2/NDF:14288709.9/44

All: 393.940+/-0.044 χ^2/NDF: 28865669.5/86



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: 626.705+/-591.373 χ^2/NDF: 18.3/20

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

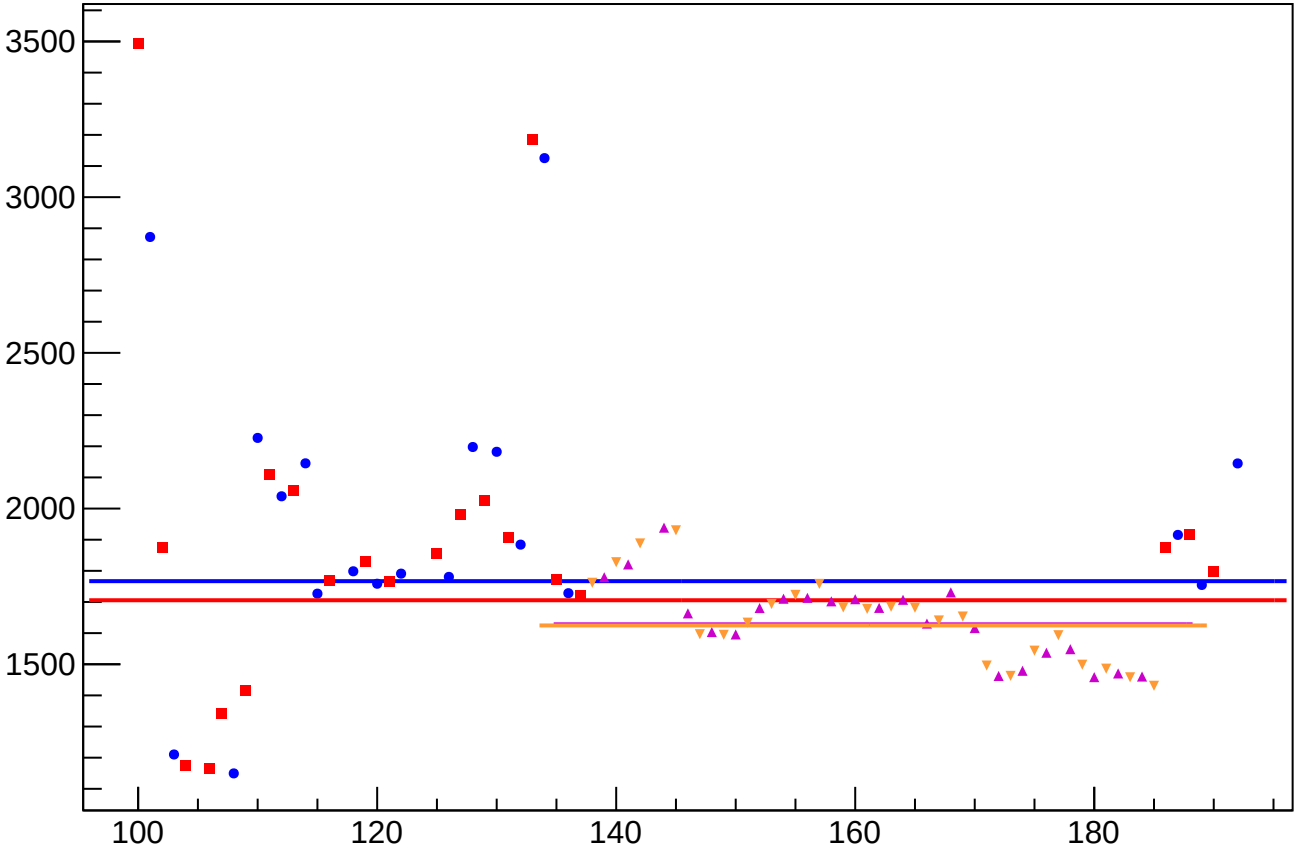
Right: 325.268+/-424.607 χ^2/NDF: 40.4/39

In: 91.951+/-323.338 χ^2/NDF:42.8/41

Out: 6.560+/-318.630 χ^2/NDF:45.9/44

All: 48.629+/-226.951 χ^2/NDF: 88.7/86

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: 1705.557+/-0.418 χ^2/NDF: 782217.8/20

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

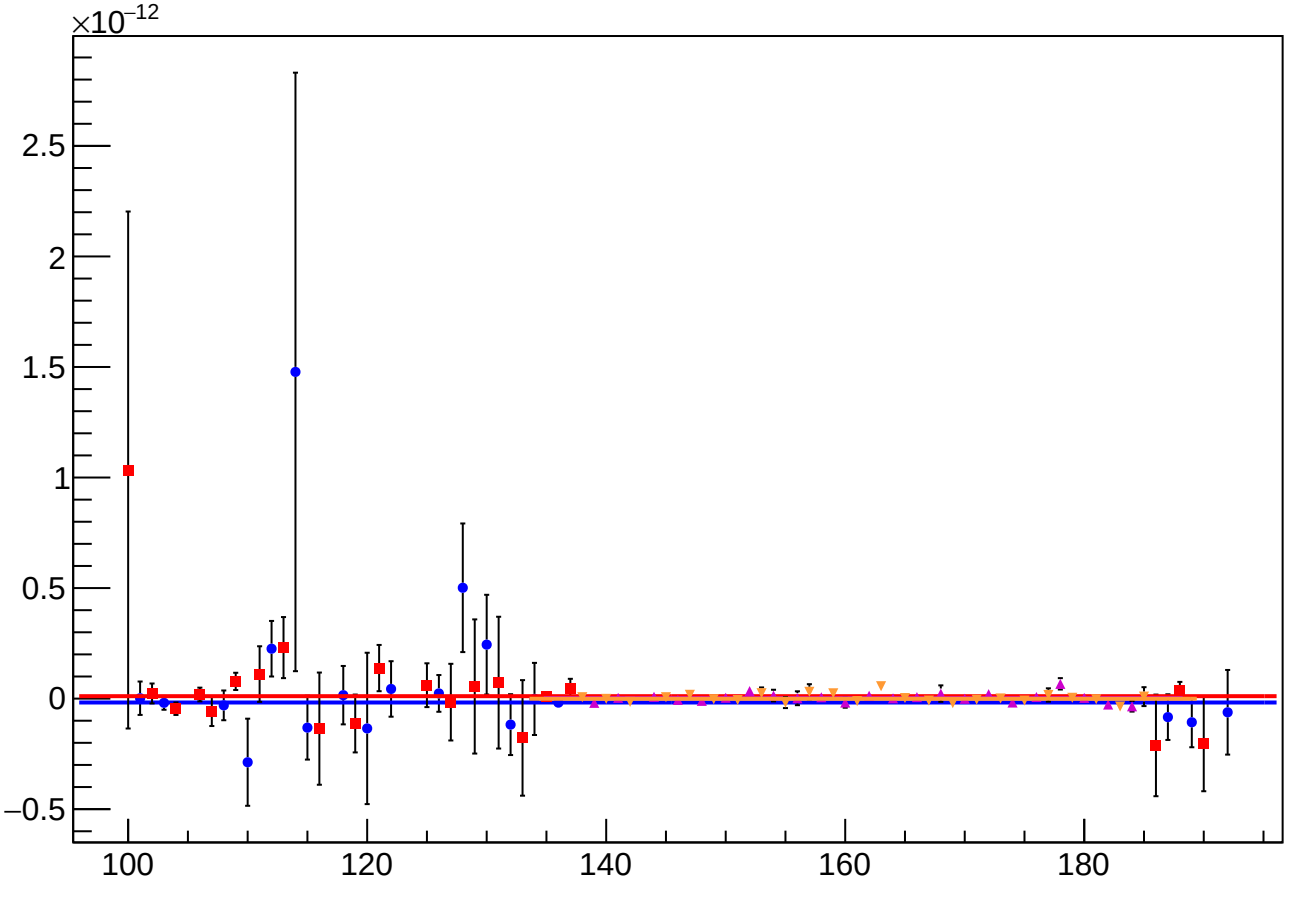
Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

Right: 1735.262+/-0.300 χ^2/NDF: 1803714.4/39

In: 1667.173+/-0.229 χ^2/NDF:1290251.9/41

Out: 1648.112+/-0.225 χ^2/NDF:1016067.0/44

All: 1657.503+/-0.160 χ^2/NDF: 2309844.8/86



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: 18.9/20

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

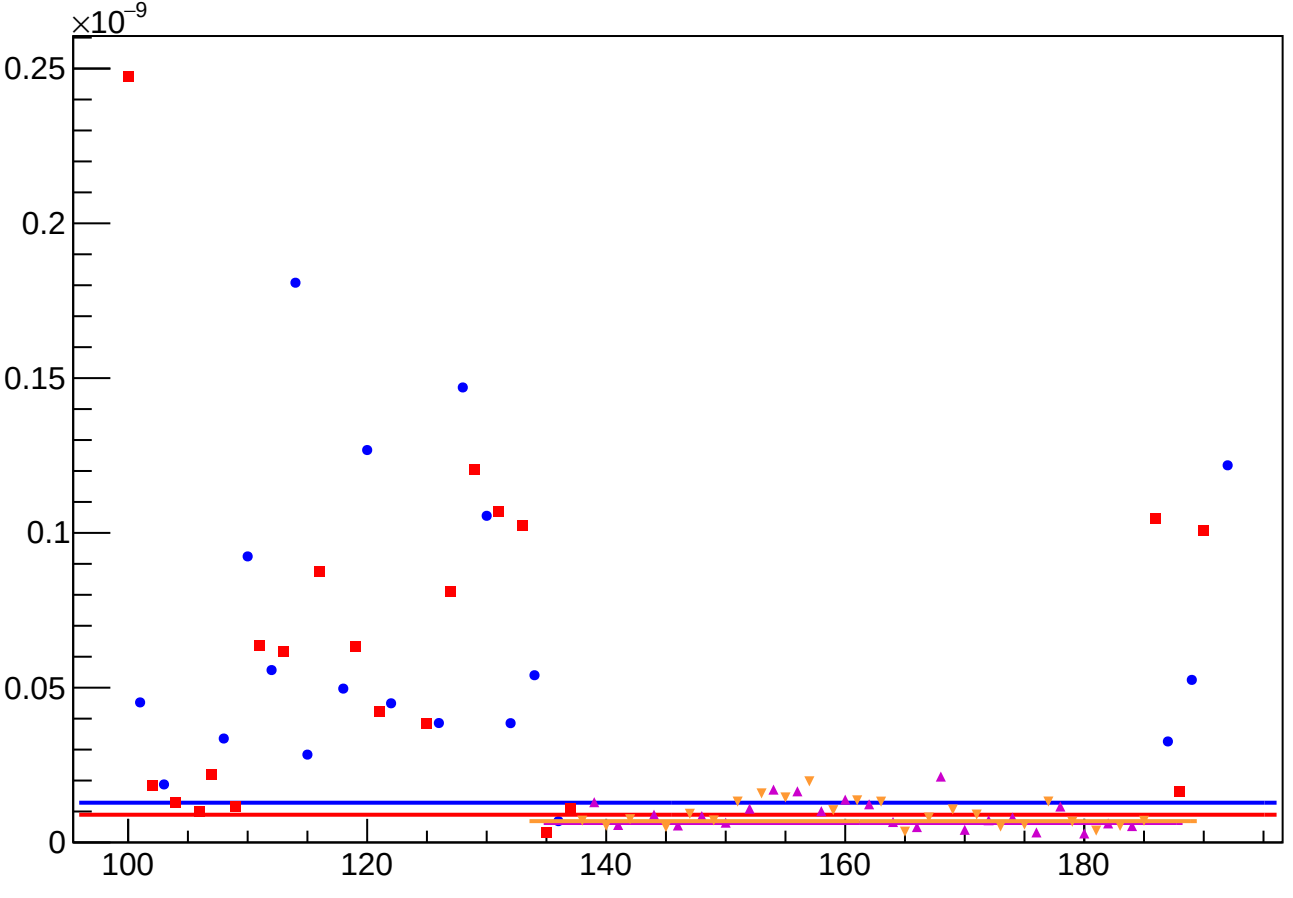
Right: -0.000+/-0.000 χ^2/NDF: 38.0/39

In: 0.000+/-0.000 χ^2/NDF:42.0/41

Out: 0.000+/-0.000 χ^2/NDF:43.2/44

All: 0.000+/-0.000 χ^2/NDF: 85.2/86

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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: 4318793.0/20

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

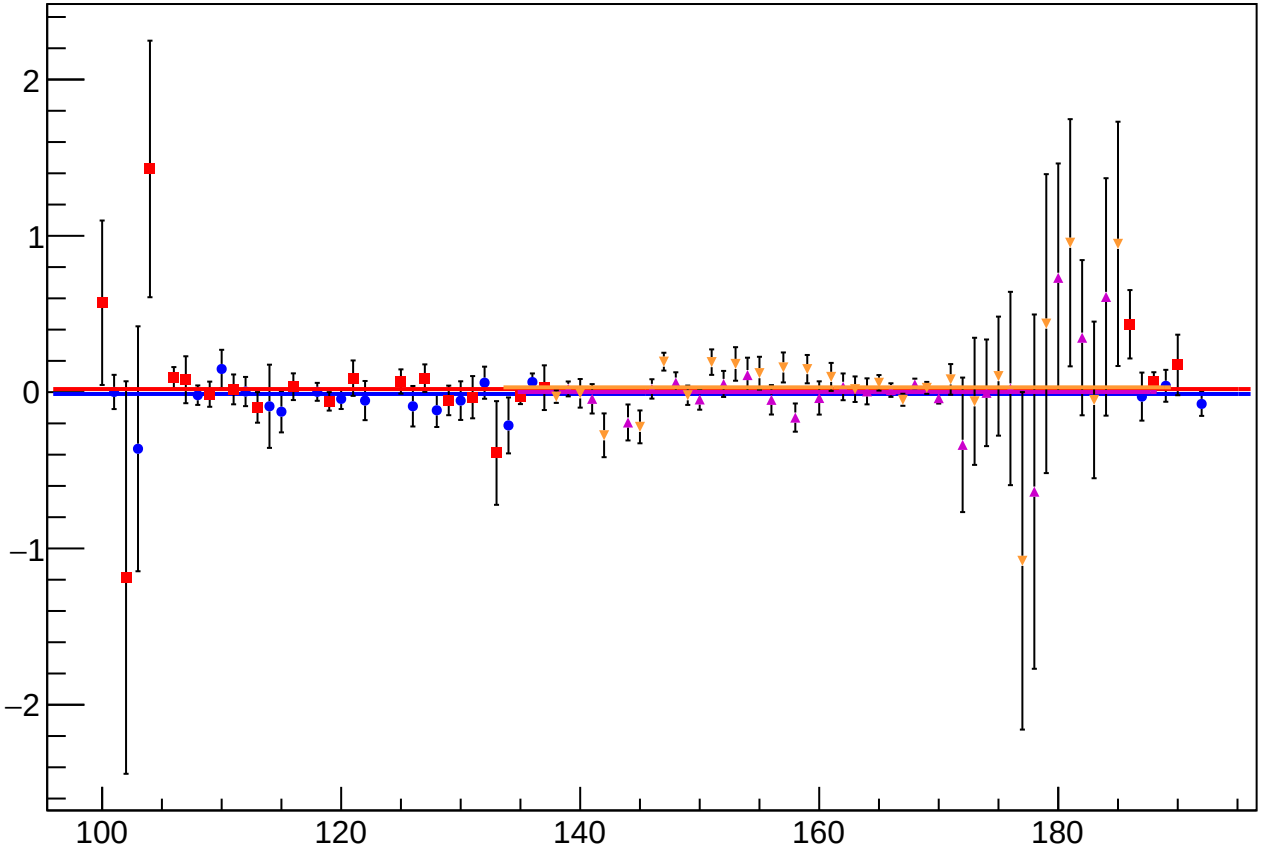
Right: 0.000+/-0.000 χ^2/NDF: 8898893.7/39

In: 0.000+/-0.000 χ^2/NDF:8071485.9/41

Out: 0.000+/-0.000 χ^2/NDF:6682522.5/44

All: 0.000+/-0.000 χ^2/NDF: 14772590.0/86

asym_us_dd_at2lr_dd_dd_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: 0.020+/-0.021 χ^2/NDF: 18.8/20

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

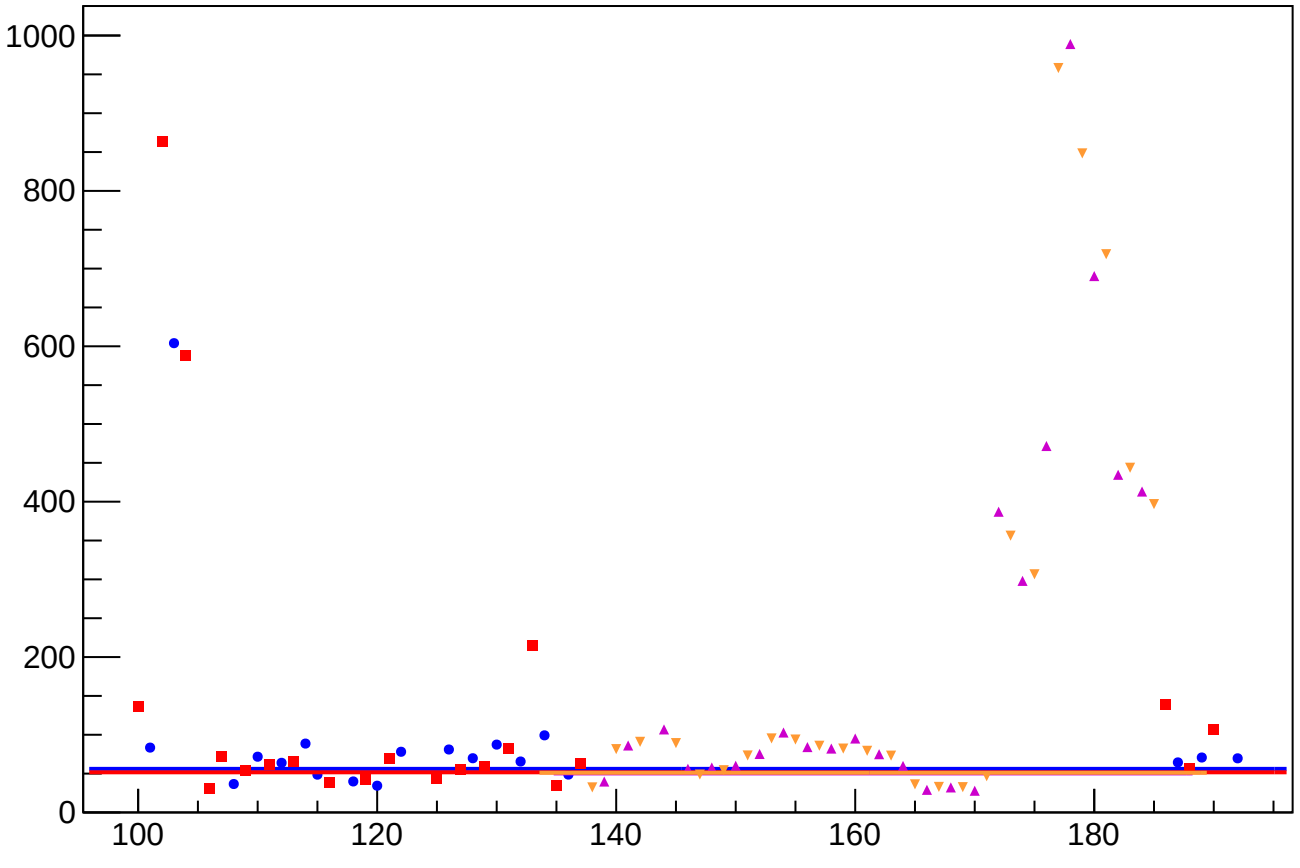
Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

Right: 0.005+/-0.015 χ^2/NDF: 29.2/39

In: -0.003+/-0.012 χ^2/NDF:25.5/41

Out: 0.027+/-0.012 χ^2/NDF:60.6/44

All: 0.012+/-0.009 χ^2/NDF: 89.0/86



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: 51.674+/-0.015 χ^2/NDF: 3527401.5/20

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

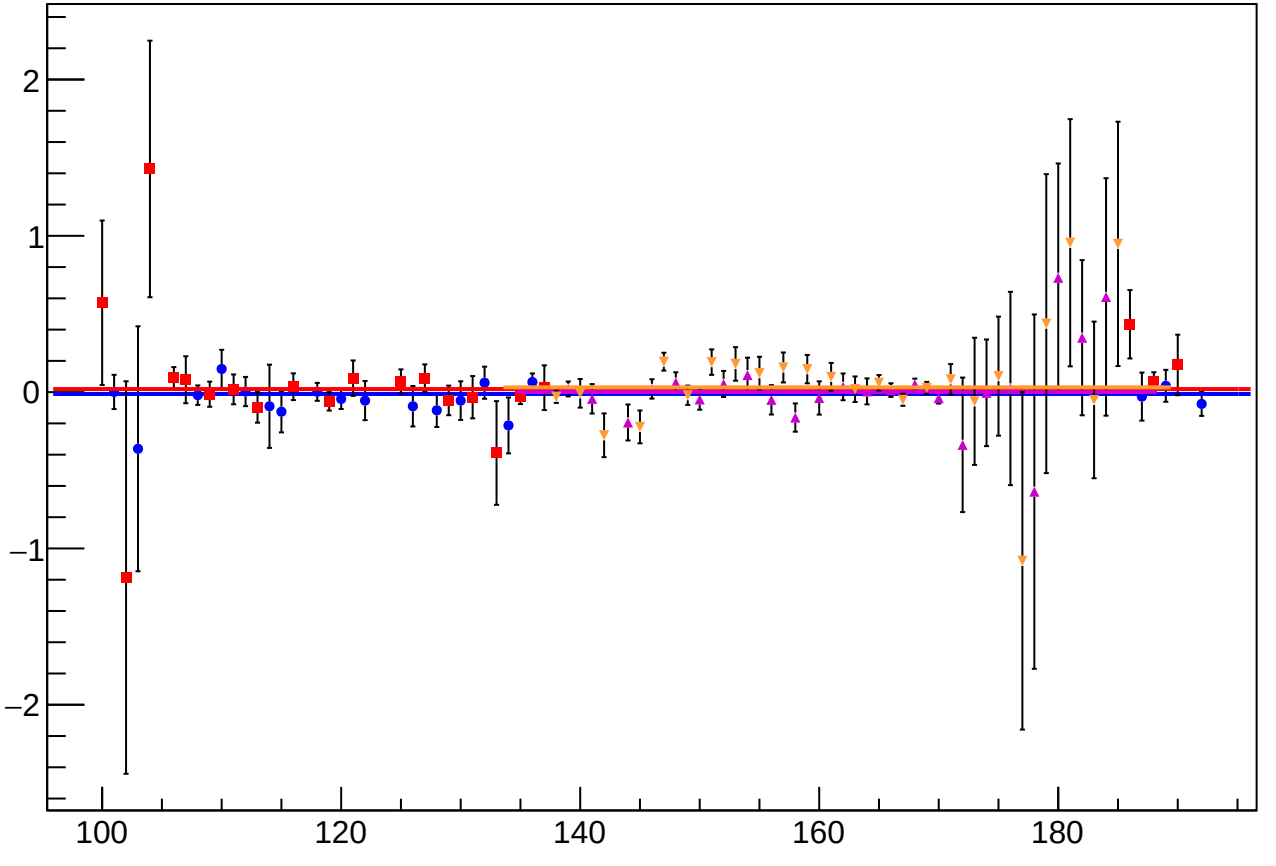
Right: 53.807+/-0.011 χ^2/NDF: 5913548.7/39

In: 52.221+/-0.009 χ^2/NDF:14636579.8/41

Out: 51.294+/-0.009 χ^2/NDF:15265094.1/44

All: 51.756+/-0.006 χ^2/NDF: 29907256.6/86

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: 0.020+/-0.021 χ^2/NDF: 18.8/20

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

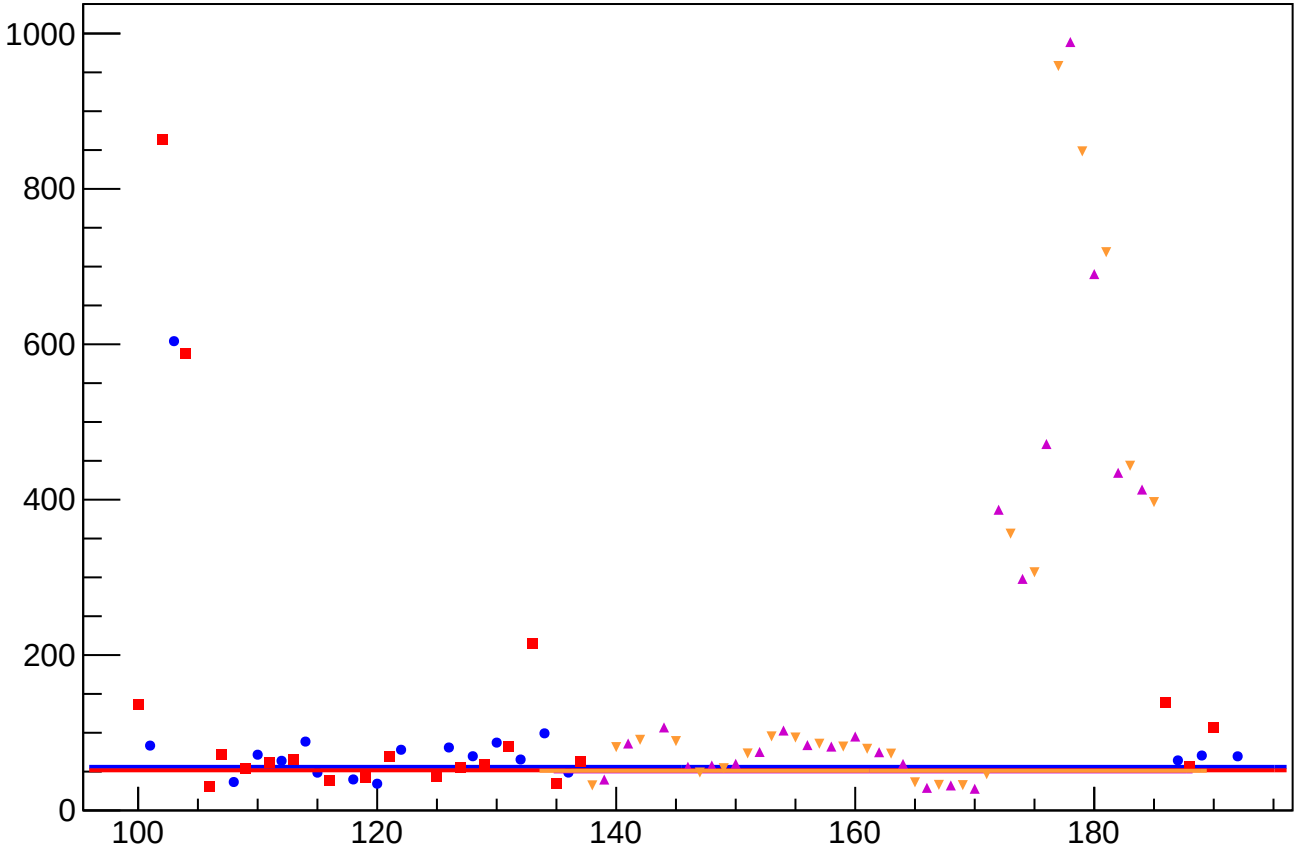
Right: 0.005+/-0.015 χ^2/NDF: 29.2/39

In: -0.003+/-0.012 χ^2/NDF:25.5/41

Out: 0.027+/-0.012 χ^2/NDF:60.6/44

All: 0.012+/-0.009 χ^2/NDF: 89.0/86

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: 51.674+/-0.015 χ^2/NDF: 3527401.5/20

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

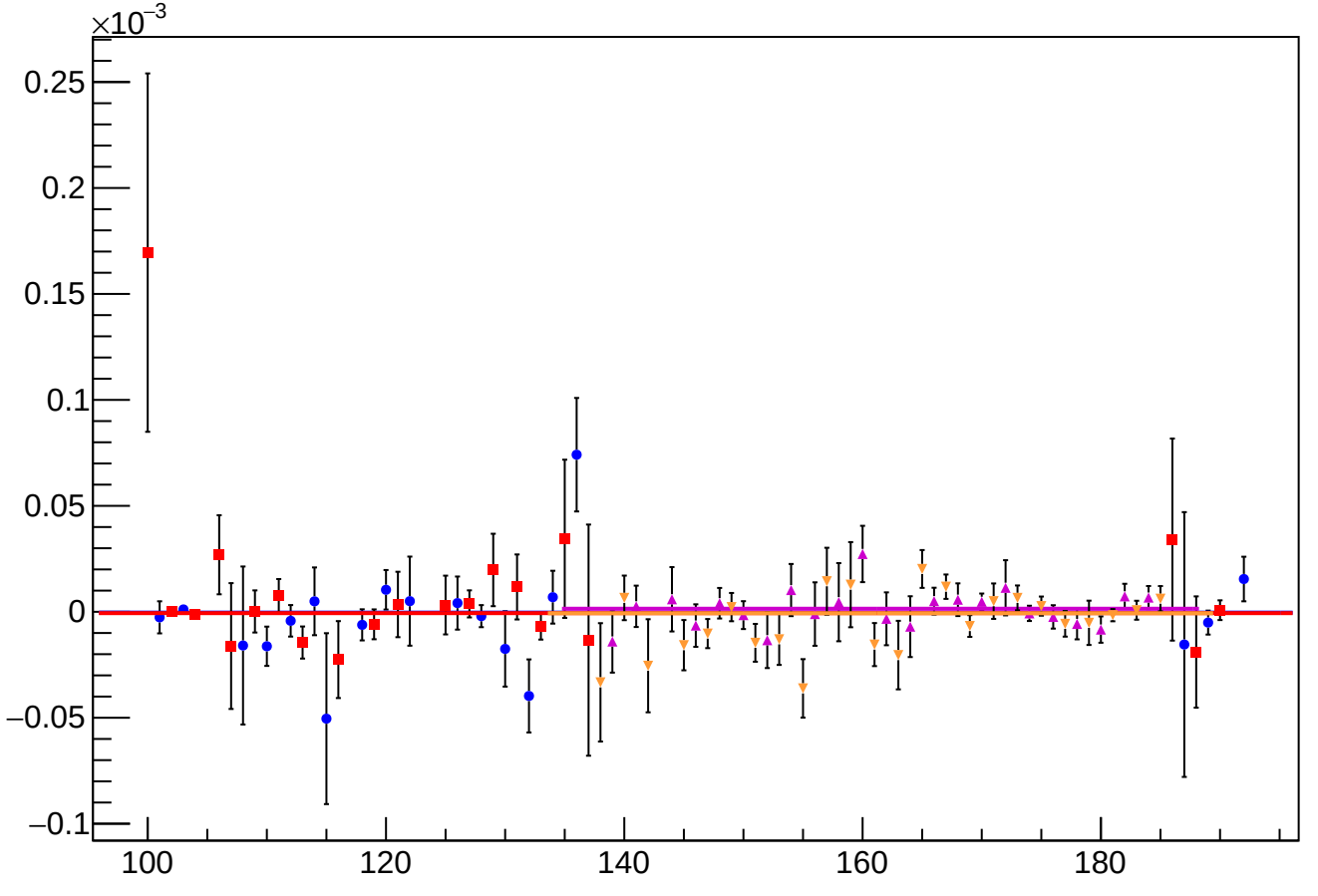
Right: 53.807+/-0.011 χ^2/NDF: 5913548.7/39

In: 52.221+/-0.009 χ^2/NDF:14636579.8/41

Out: 51.294+/-0.009 χ^2/NDF:15265094.1/44

All: 51.756+/-0.006 χ^2/NDF: 29907256.6/86

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/20

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

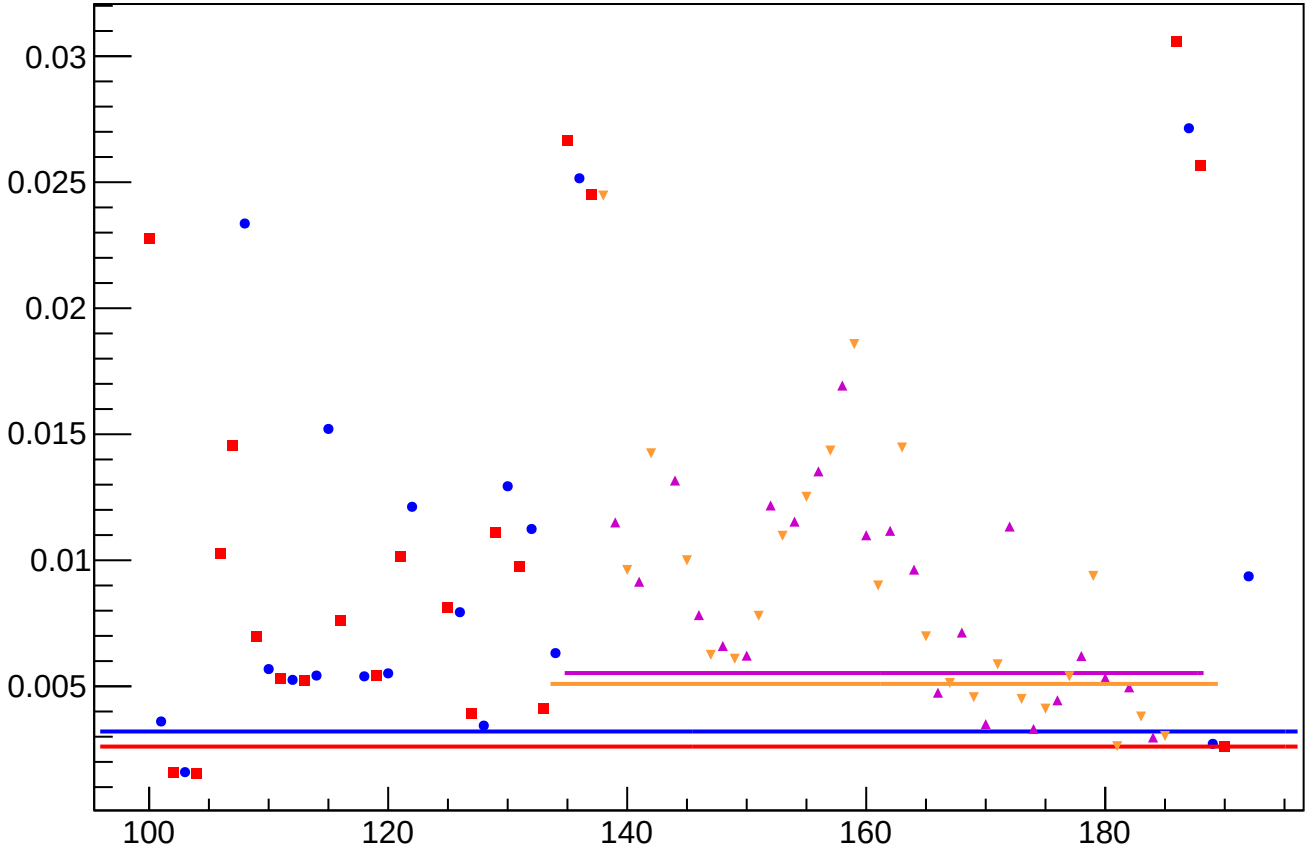
Right: -0.000+/-0.000 χ^2/NDF: 44.1/39

In: 0.000+/-0.000 χ^2/NDF:42.3/41

Out: -0.000+/-0.000 χ^2/NDF:57.4/44

All: -0.000+/-0.000 χ^2/NDF: 100.4/86

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: 8474453.4/20

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

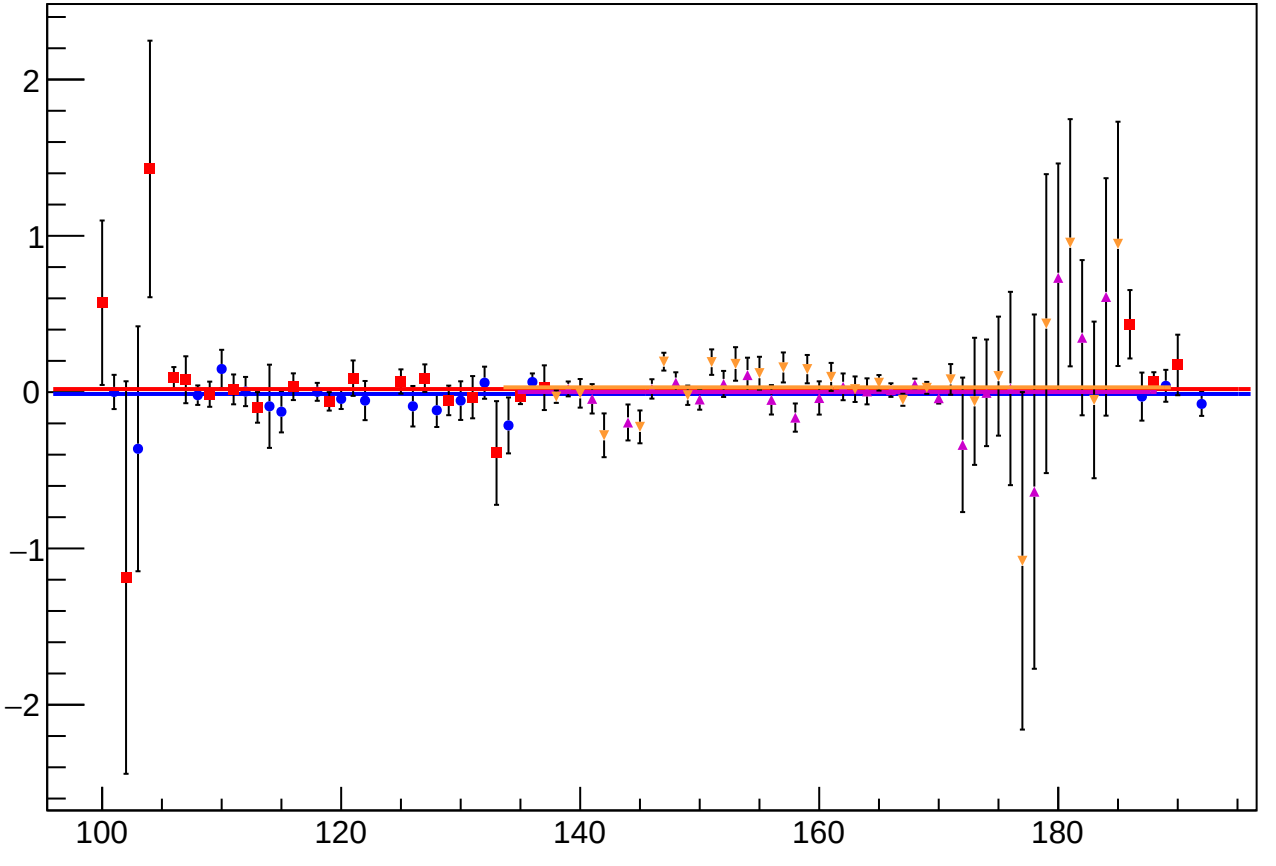
Right: 0.003+/-0.000 χ^2/NDF: 15443485.5/39

In: 0.004+/-0.000 χ^2/NDF:15989261.3/41

Out: 0.004+/-0.000 χ^2/NDF:20458503.3/44

All: 0.004+/-0.000 χ^2/NDF: 36934360.4/86

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: 0.020+/-0.021 χ^2/NDF: 18.8/20

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

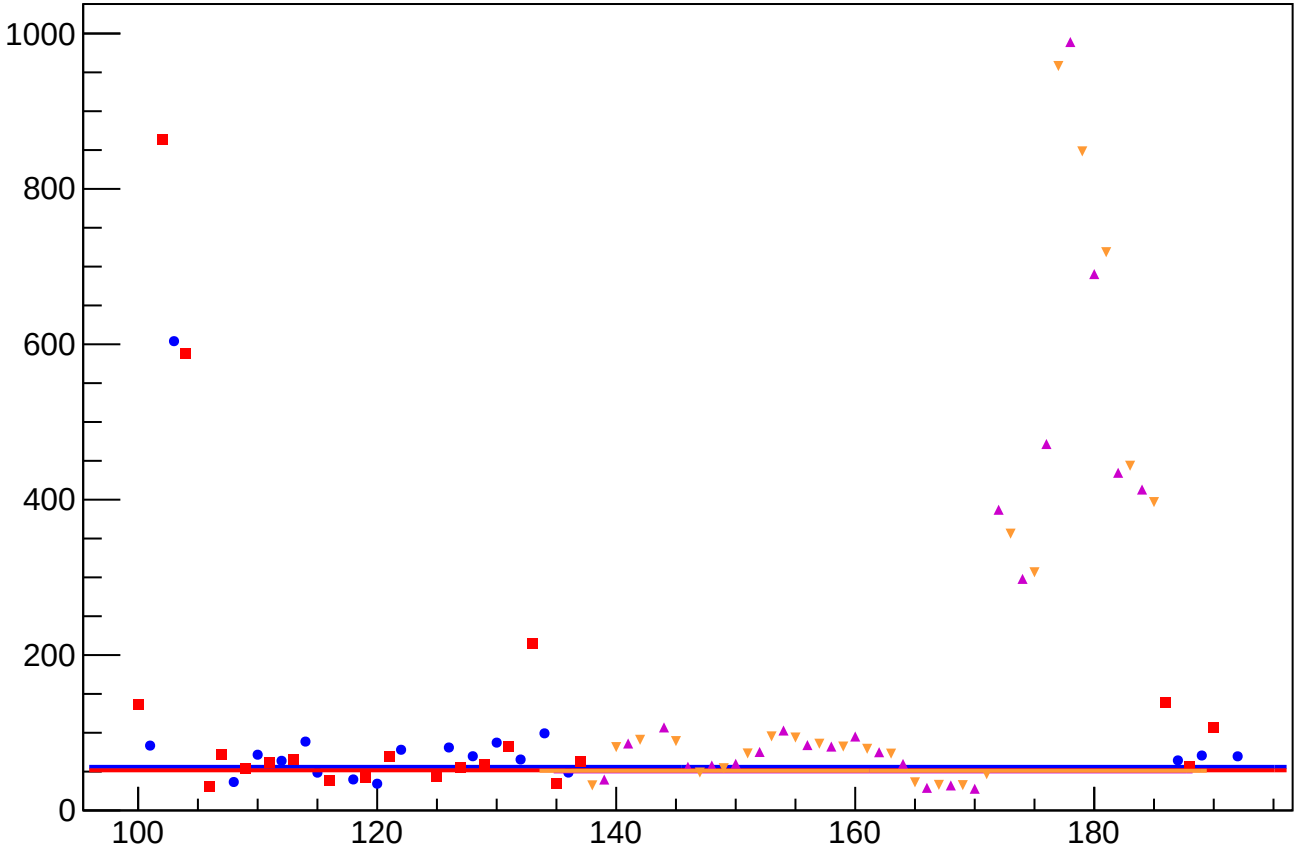
Right: 0.005+/-0.015 χ^2/NDF: 29.2/39

In: -0.003+/-0.012 χ^2/NDF:25.5/41

Out: 0.027+/-0.012 χ^2/NDF:60.6/44

All: 0.012+/-0.009 χ^2/NDF: 89.0/86

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: 51.676+/-0.015 χ^2/NDF: 3527121.9/20

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

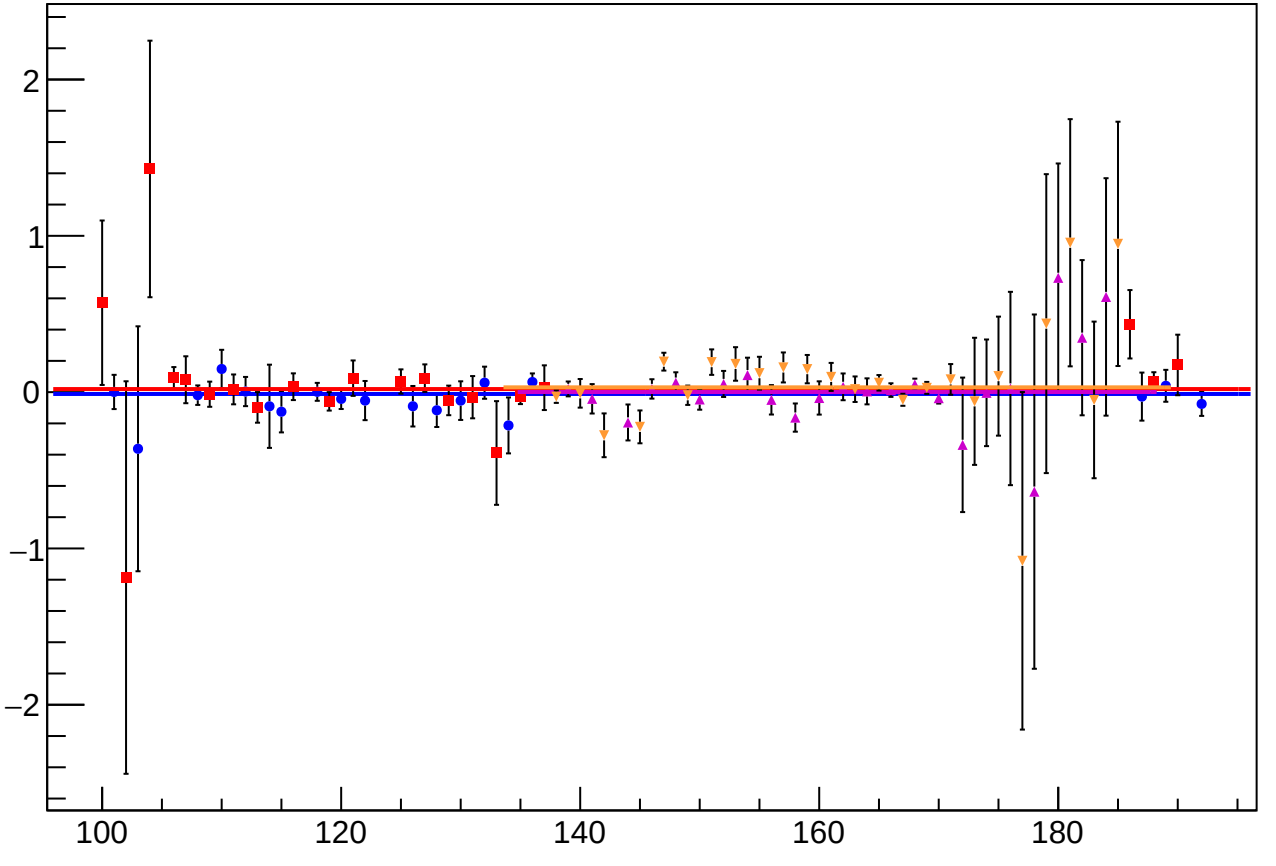
Right: 53.809+/-0.011 χ^2/NDF: 5912822.9/39

In: 52.222+/-0.009 χ^2/NDF:14636161.0/41

Out: 51.296+/-0.009 χ^2/NDF:15263983.1/44

All: 51.758+/-0.006 χ^2/NDF: 29905708.9/86

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: 0.020+/-0.021 χ^2/NDF: 18.8/20

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

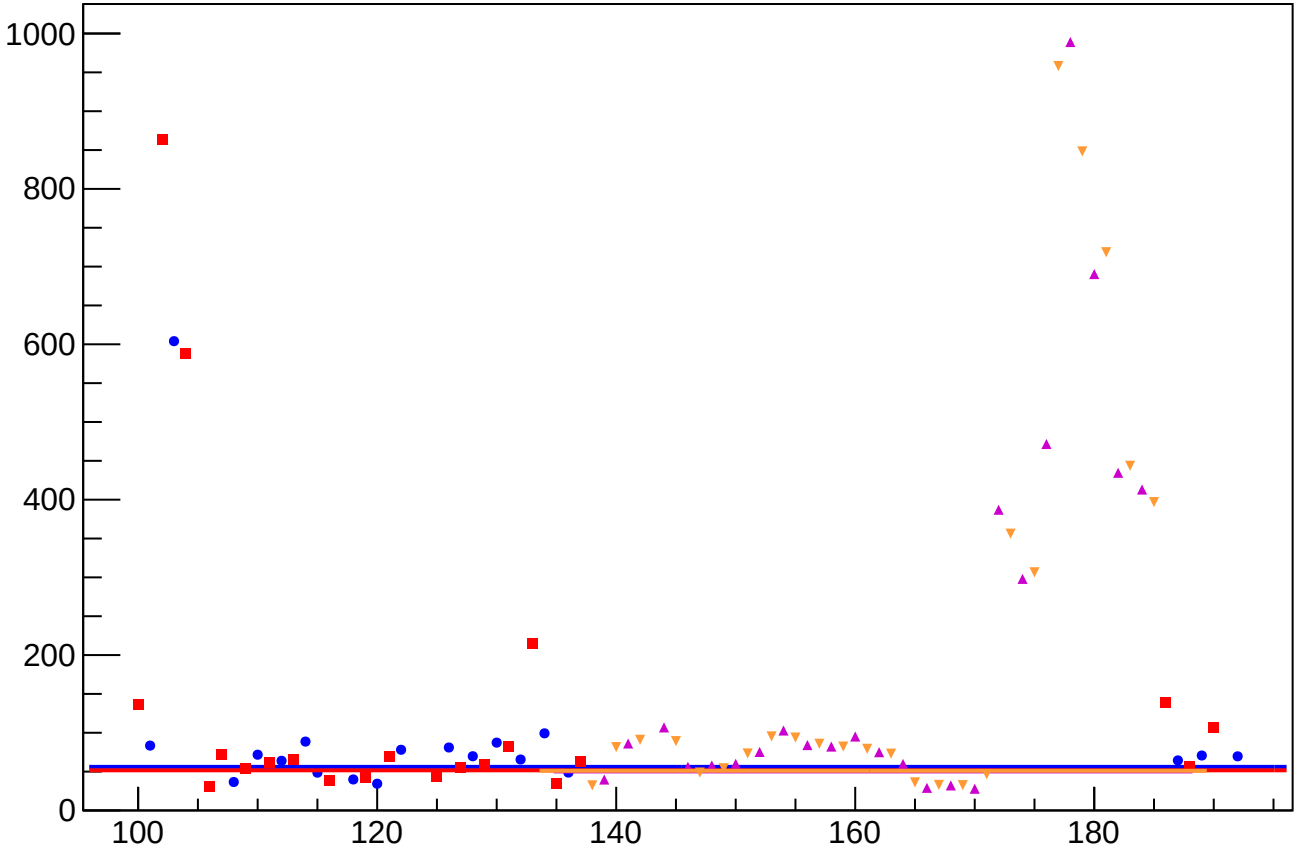
Right: 0.005+/-0.015 χ^2/NDF: 29.2/39

In: -0.003+/-0.012 χ^2/NDF:25.5/41

Out: 0.027+/-0.012 χ^2/NDF:60.6/44

All: 0.012+/-0.009 χ^2/NDF: 89.0/86

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: 51.676+/-0.015 χ^2/NDF: 3527121.9/20

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

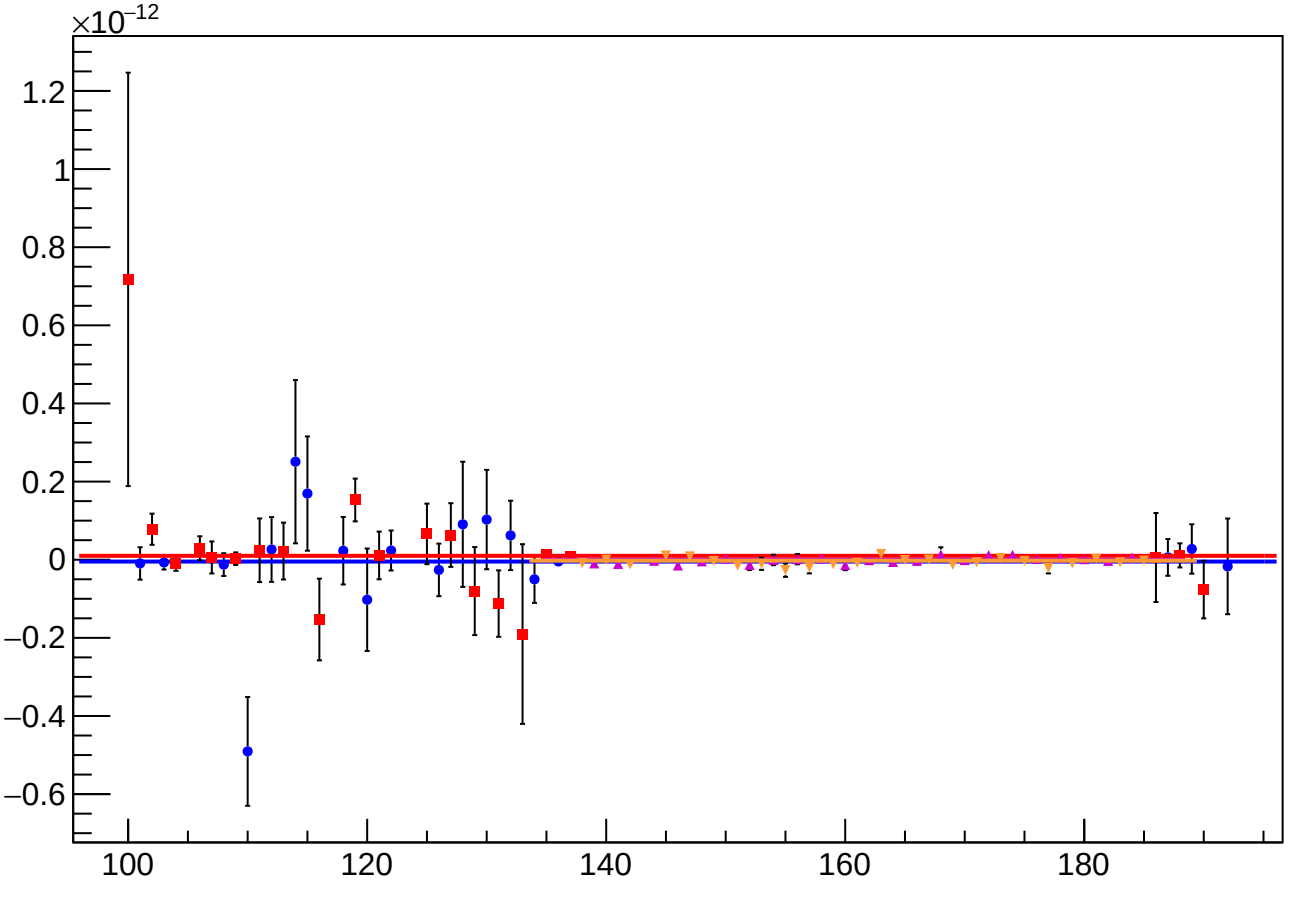
Right: 53.809+/-0.011 χ^2/NDF: 5912822.9/39

In: 52.222+/-0.009 χ^2/NDF:14636161.0/41

Out: 51.296+/-0.009 χ^2/NDF:15263983.1/44

All: 51.758+/-0.006 χ^2/NDF: 29905708.9/86

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/20

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

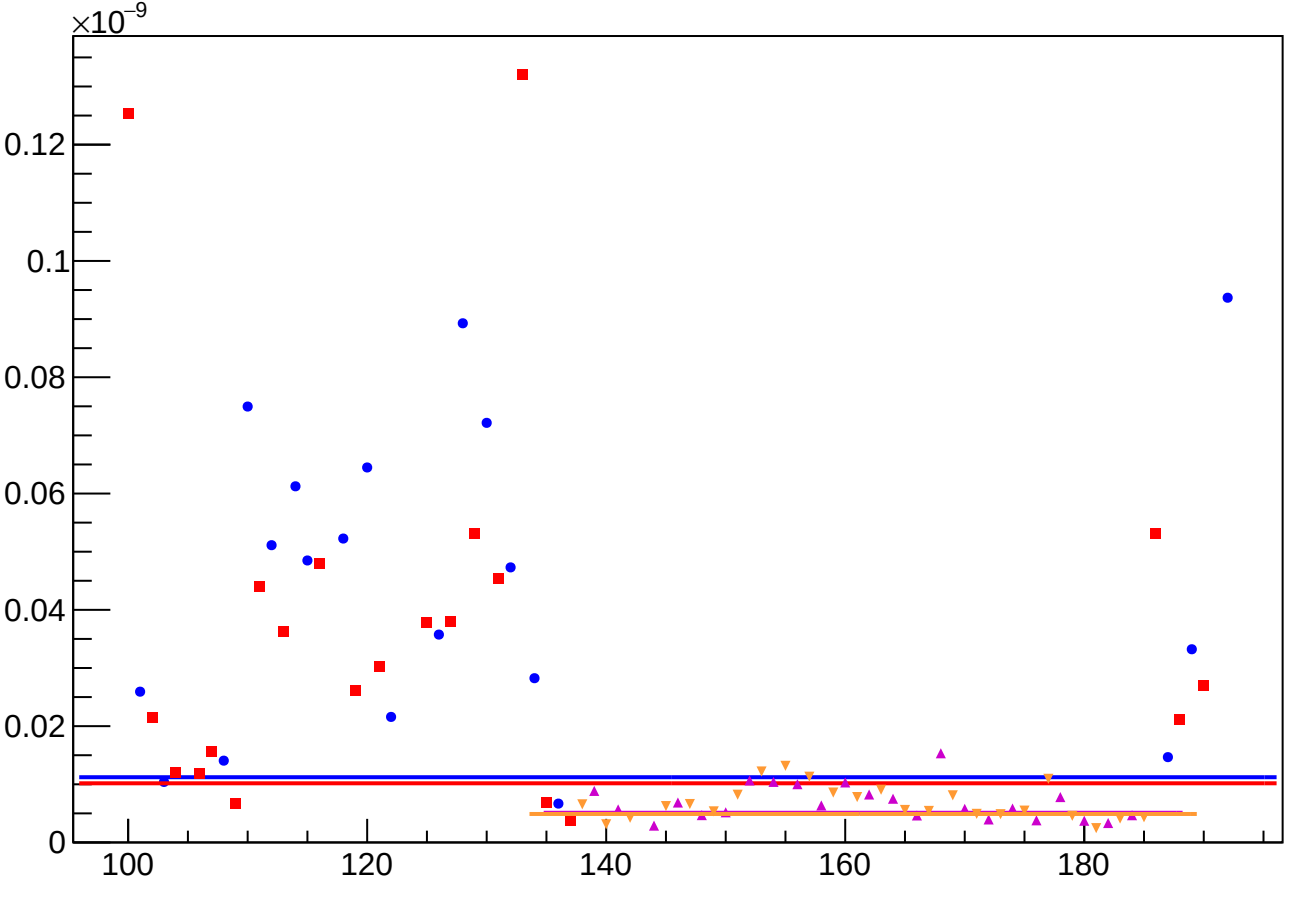
Right: 0.000+/-0.000 χ^2/NDF: 42.9/39

In: -0.000+/-0.000 χ^2/NDF:37.5/41

Out: -0.000+/-0.000 χ^2/NDF:47.3/44

All: -0.000+/-0.000 χ^2/NDF: 85.2/86

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: 4697973.2/20

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

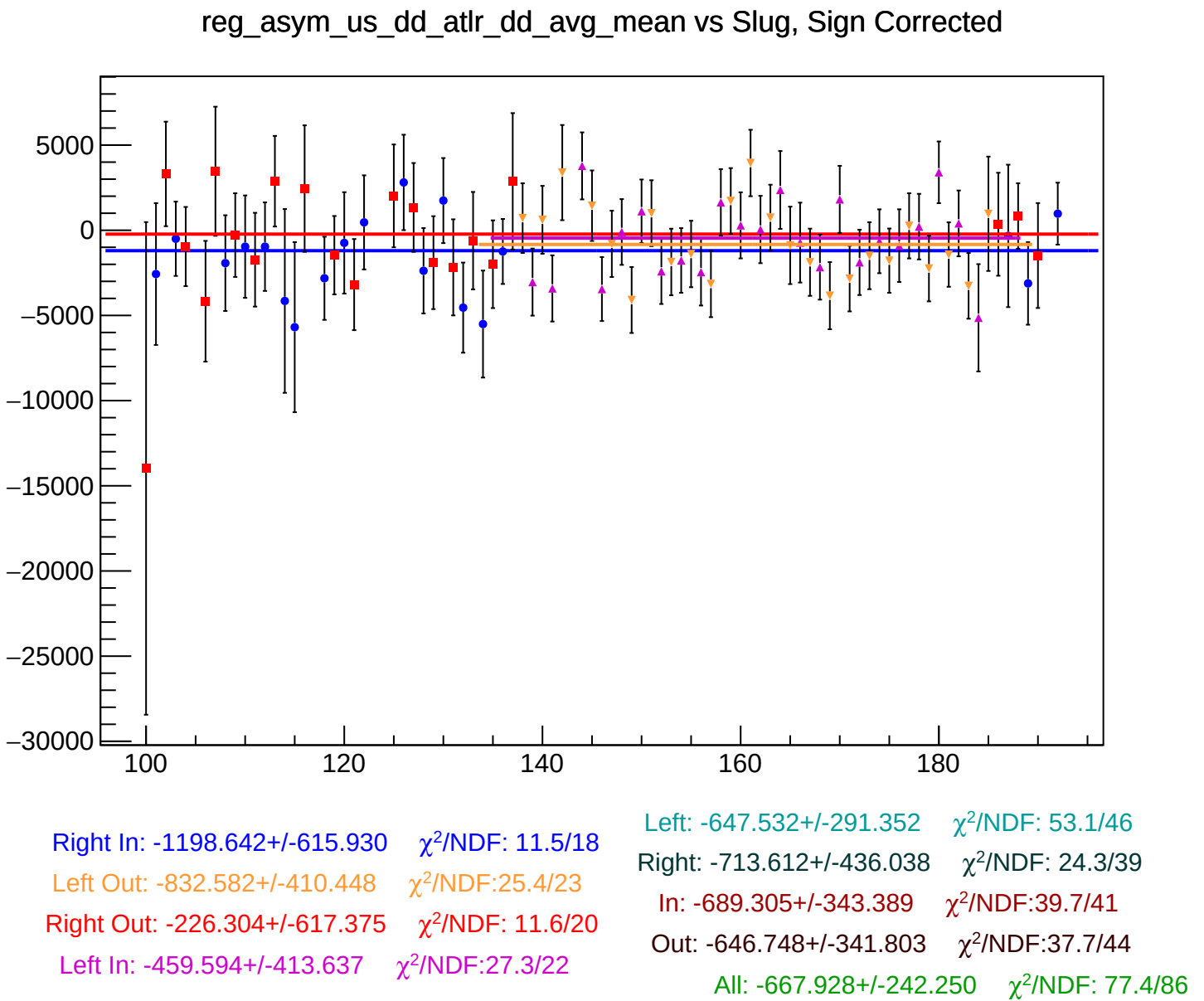
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

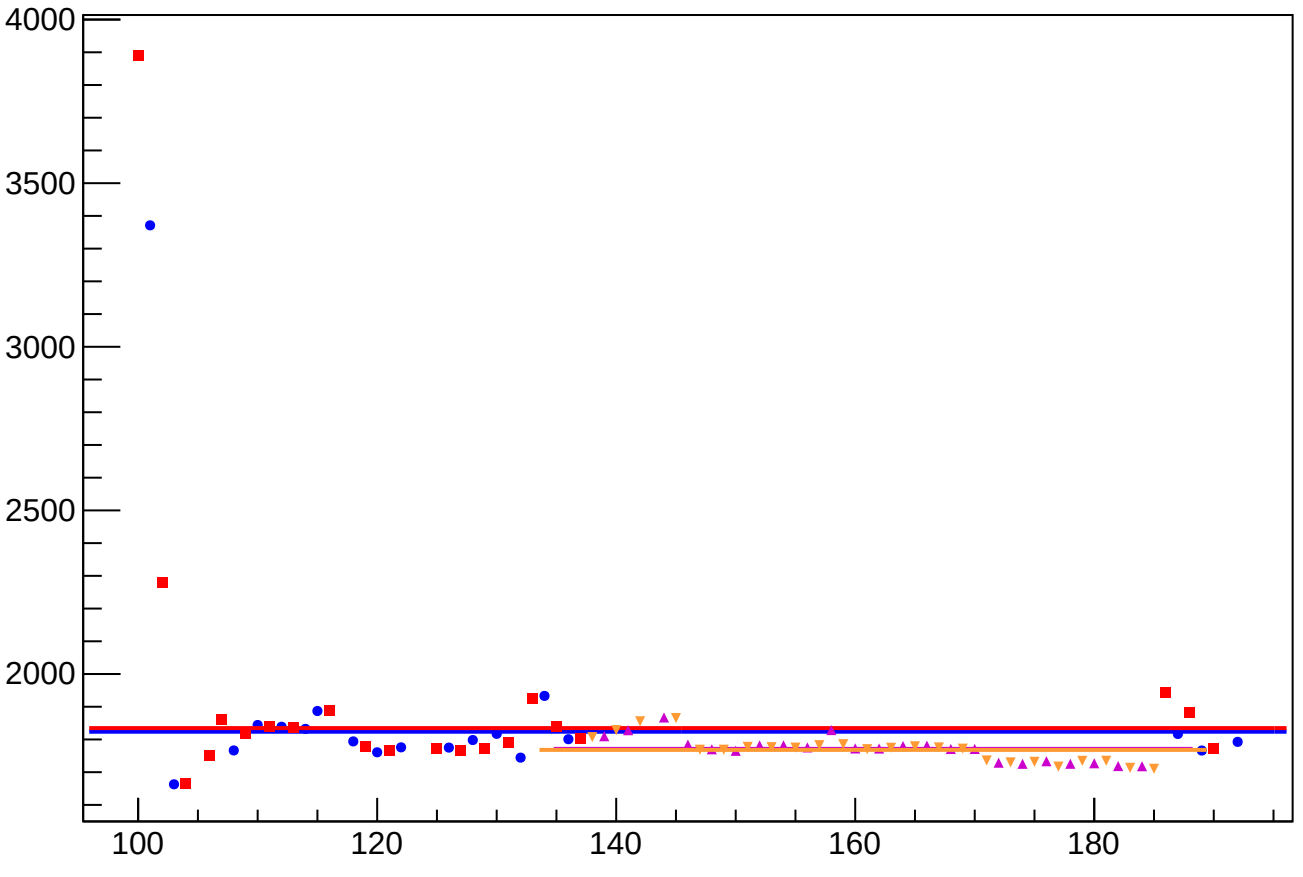
Right: 0.000+/-0.000 χ^2/NDF: 10455460.0/39

In: 0.000+/-0.000 χ^2/NDF:11079689.8/41

Out: 0.000+/-0.000 χ^2/NDF:10341246.0/44

All: 0.000+/-0.000 χ^2/NDF: 21445518.0/86


reg_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
120
140
160
180
Right In: -1198.642+/-615.930 χ²/NDF: 11.5/18
Left Out: -832.582+/-410.448 χ²/NDF:25.4/23
Right Out: -226.304+/-617.375 χ²/NDF: 11.6/20
Left In: -459.594+/-413.637 χ²/NDF:27.3/22
Left: -647.532+/-291.352 χ²/NDF: 53.1/46
Right: -713.612+/-436.038 χ²/NDF: 24.3/39
In: -689.305+/-343.389 χ²/NDF:39.7/41
Out: -646.748+/-341.803 χ²/NDF:37.7/44
All: -667.928+/-242.250 χ²/NDF: 77.4/86



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: 1834.727+/-0.437 χ^2/NDF: 107967.7/20

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

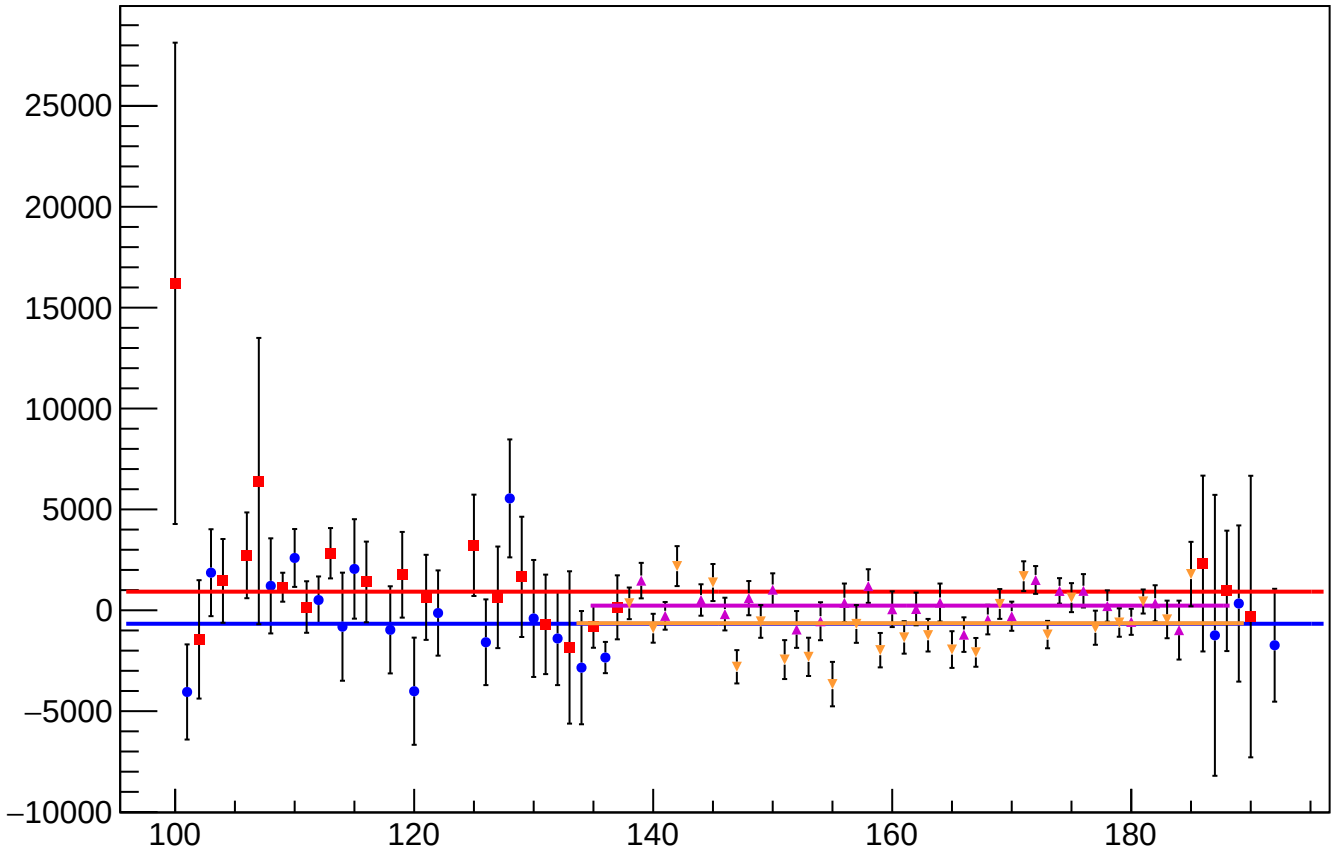
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1829.184+/-0.308 χ^2/NDF: 405803.5/39

In: 1787.520+/-0.243 χ^2/NDF:323934.6/41

Out: 1788.540+/-0.242 χ^2/NDF:140467.1/44

All: 1788.032+/-0.171 χ^2/NDF: 464410.6/86



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: 922.854+/-387.892 χ^2/NDF: 11.7/20

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

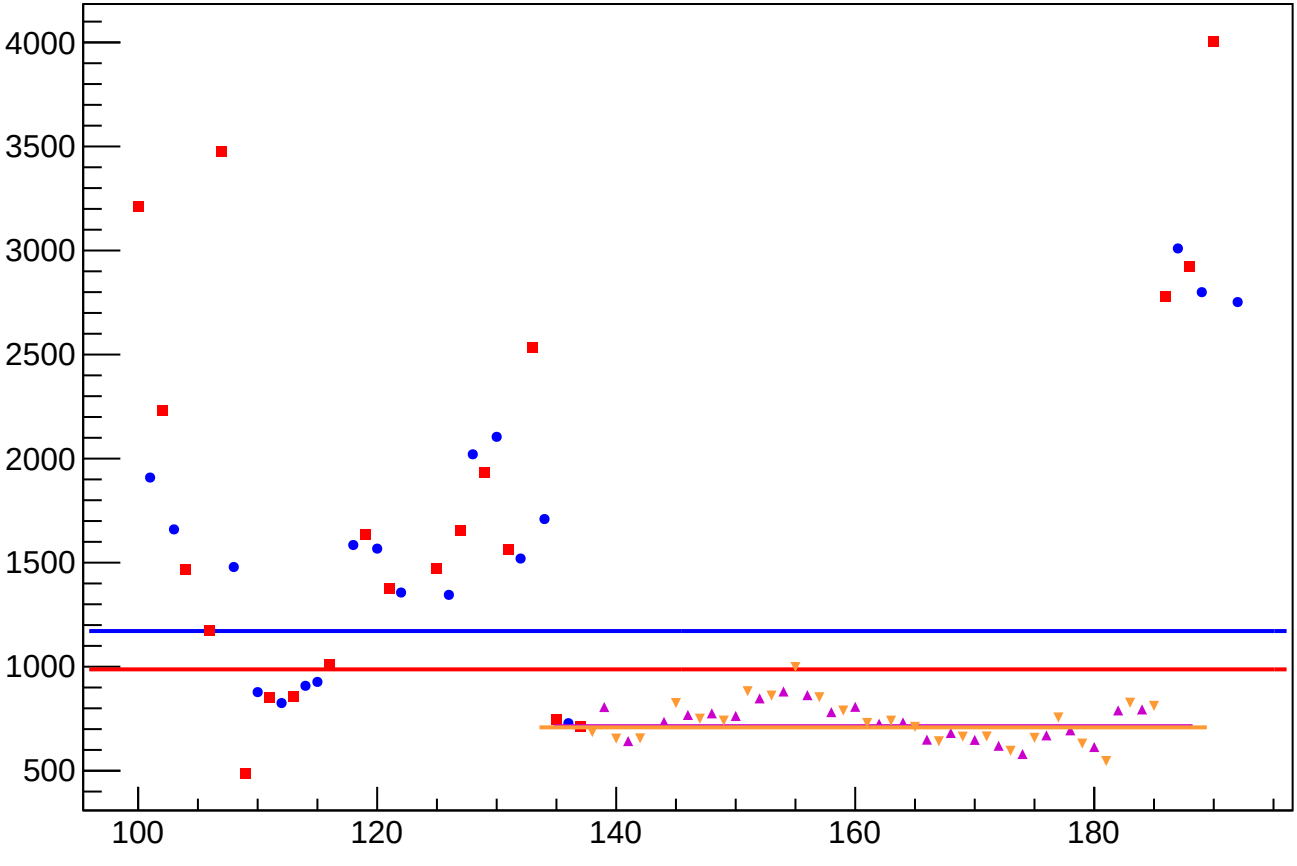
Right: 214.898+/-288.953 χ^2/NDF: 42.6/39

In: 112.770+/-156.889 χ^2/NDF:47.1/41

Out: -397.840+/-152.961 χ^2/NDF:92.1/44

All: -149.006+/-109.522 χ^2/NDF: 144.6/86

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: 987.201+/-0.274 χ^2/NDF: 4650879.3/20

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

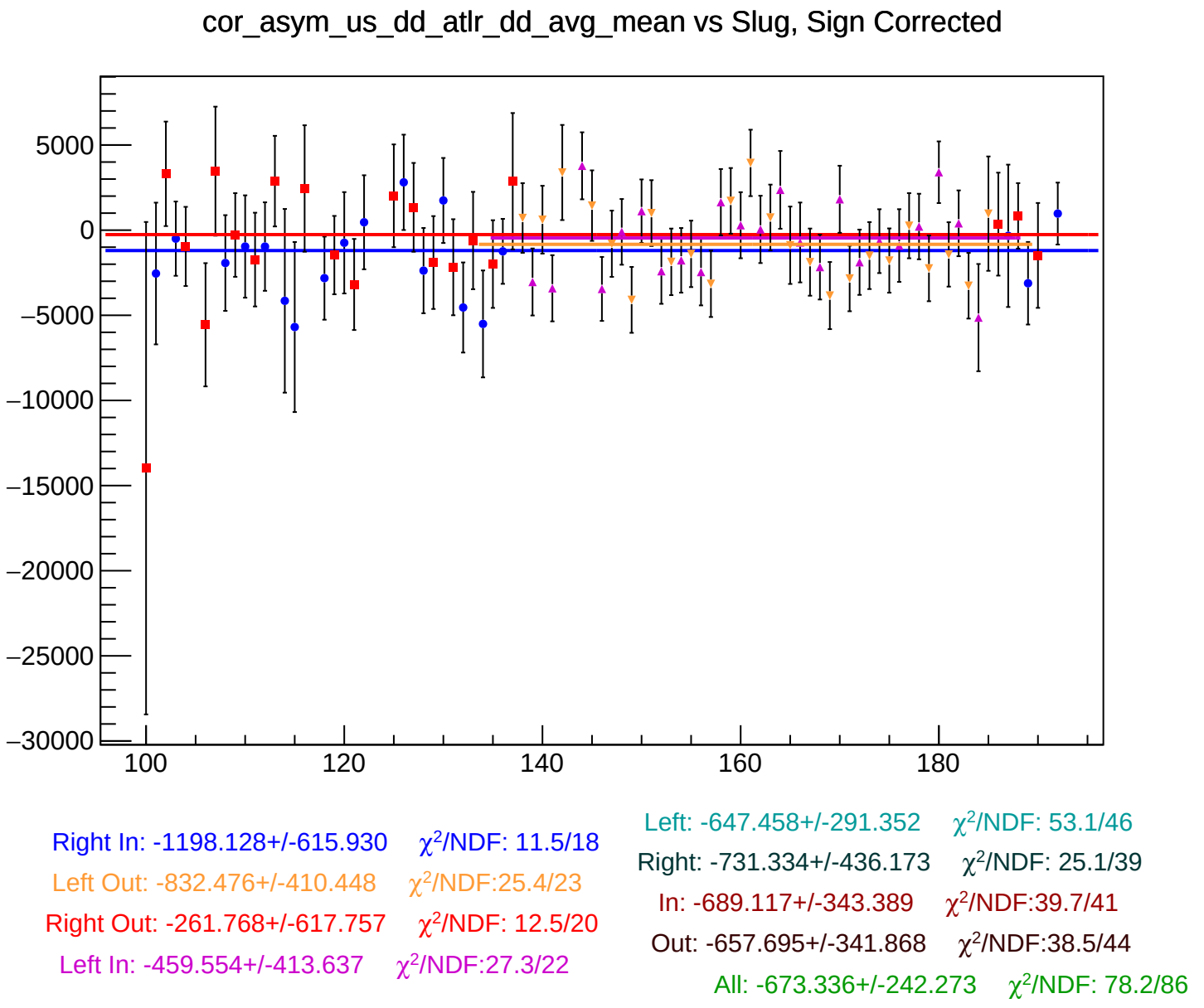
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

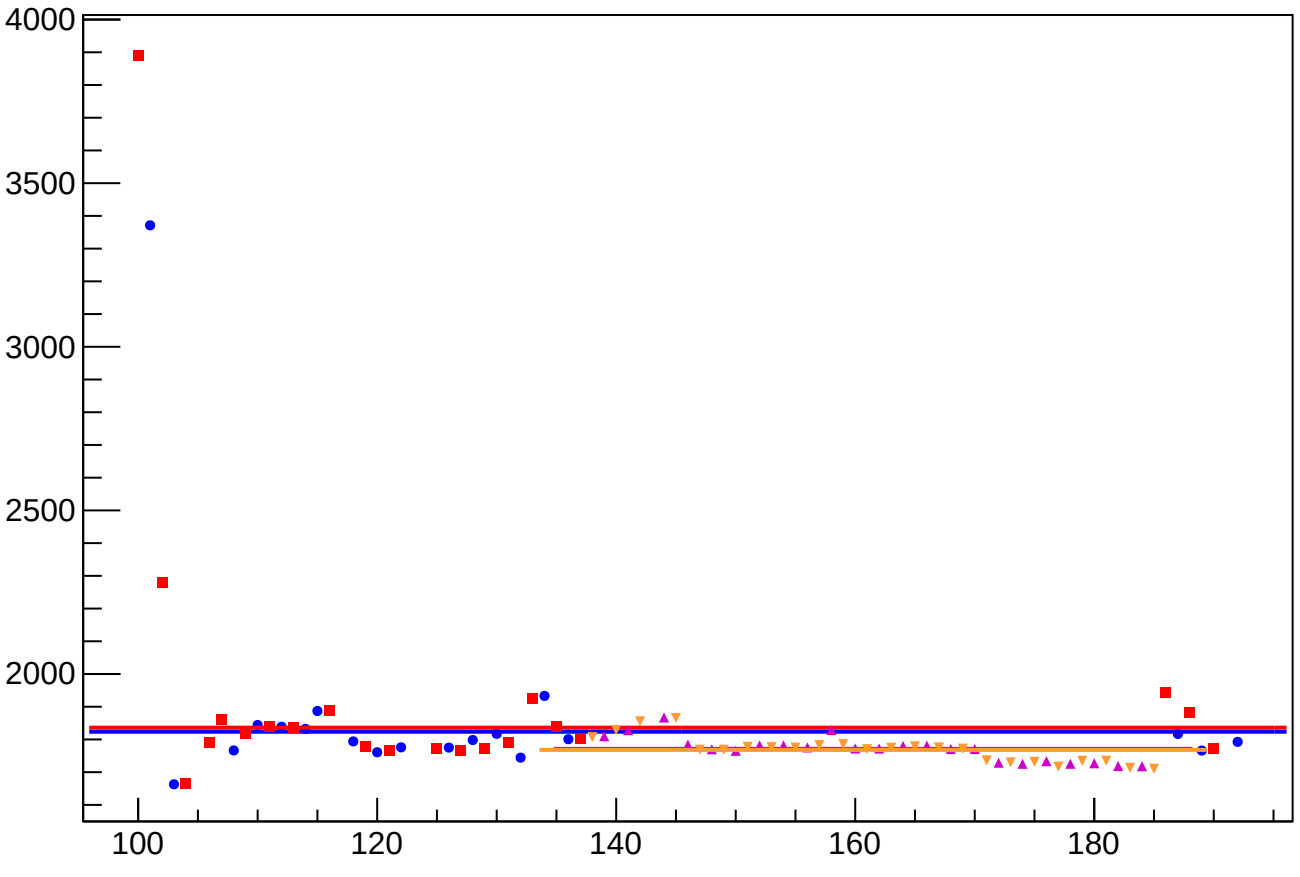
Right: 1069.156+/-0.204 χ^2/NDF: 7909437.9/39

In: 774.148+/-0.111 χ^2/NDF:5491163.1/41

Out: 751.841+/-0.108 χ^2/NDF:6223270.0/44

All: 762.712+/-0.077 χ^2/NDF: 11735161.4/86


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: -261.768+/-617.757 χ²/NDF: 12.5/20
Left In: -459.554+/-413.637 χ²/NDF:27.3/22
Left: -647.458+/-291.352 χ²/NDF: 53.1/46
Right: -731.334+/-436.173 χ²/NDF: 25.1/39
In: -689.117+/-343.389 χ²/NDF:39.7/41
Out: -657.695+/-341.868 χ²/NDF:38.5/44
All: -673.336+/-242.273 χ²/NDF: 78.2/86



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: 1836.022+/-0.437 χ^2/NDF: 107118.0/20

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

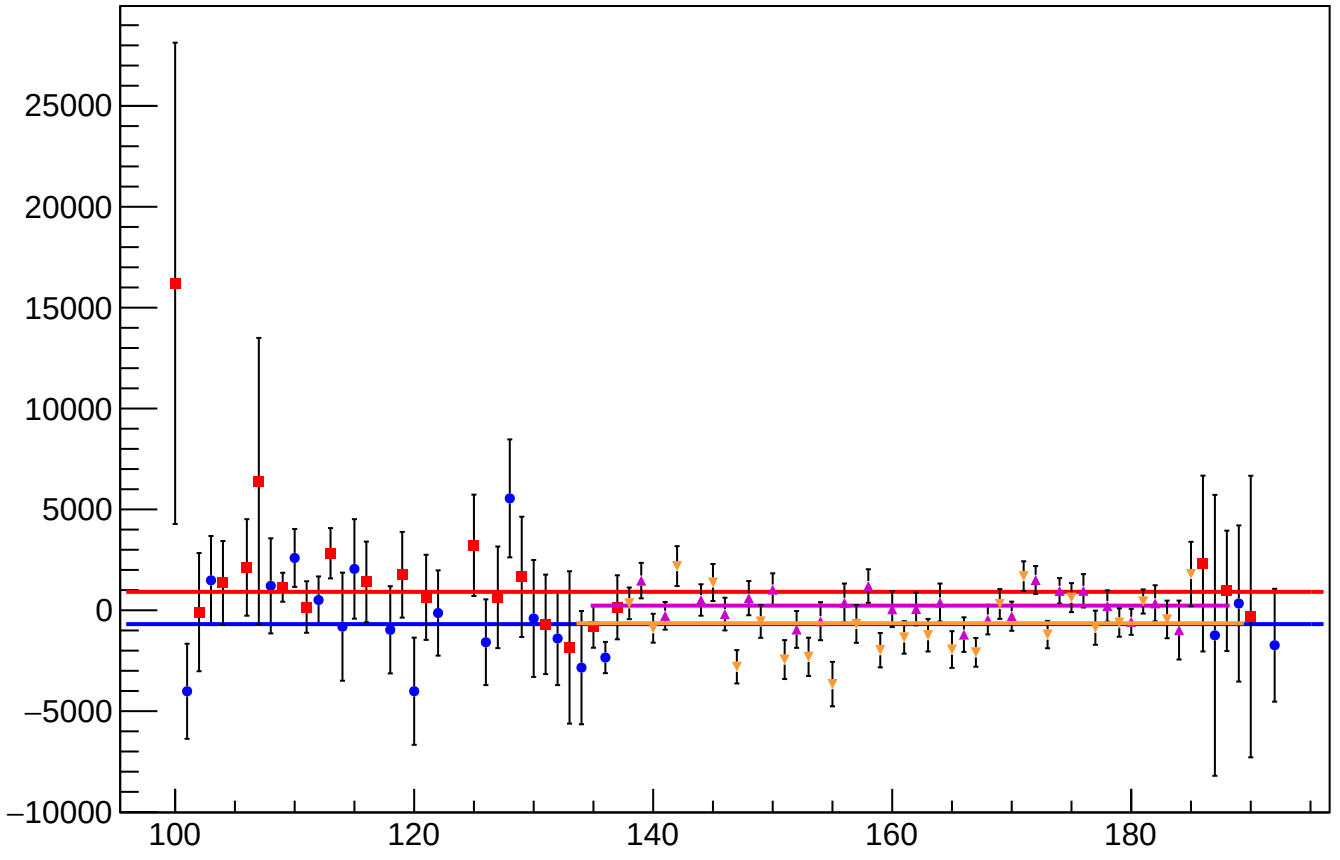
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1829.826+/-0.308 χ^2/NDF: 405035.3/39

In: 1787.520+/-0.243 χ^2/NDF:323936.5/41

Out: 1788.919+/-0.242 χ^2/NDF:140237.0/44

All: 1788.222+/-0.171 χ^2/NDF: 464190.1/86



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: 914.327+/-389.227 χ^2/NDF: 10.6/20

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

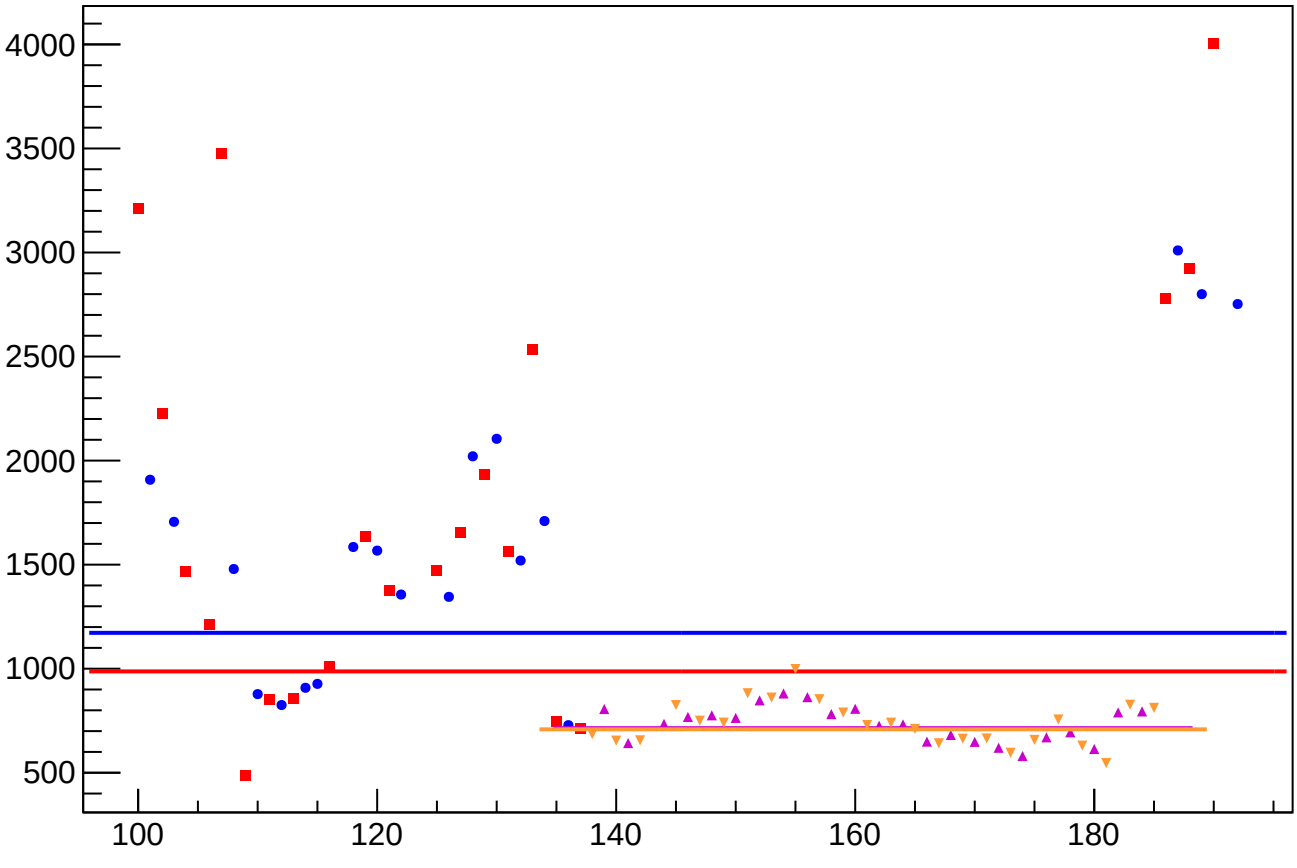
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 200.137+/-289.607 χ^2/NDF: 41.2/39

In: 110.523+/-156.906 χ^2/NDF:46.8/41

Out: -400.542+/-153.043 χ^2/NDF:90.8/44

All: -151.378+/-109.558 χ^2/NDF: 143.1/86



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: 986.893+/-0.275 χ^2/NDF: 4651952.9/20

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

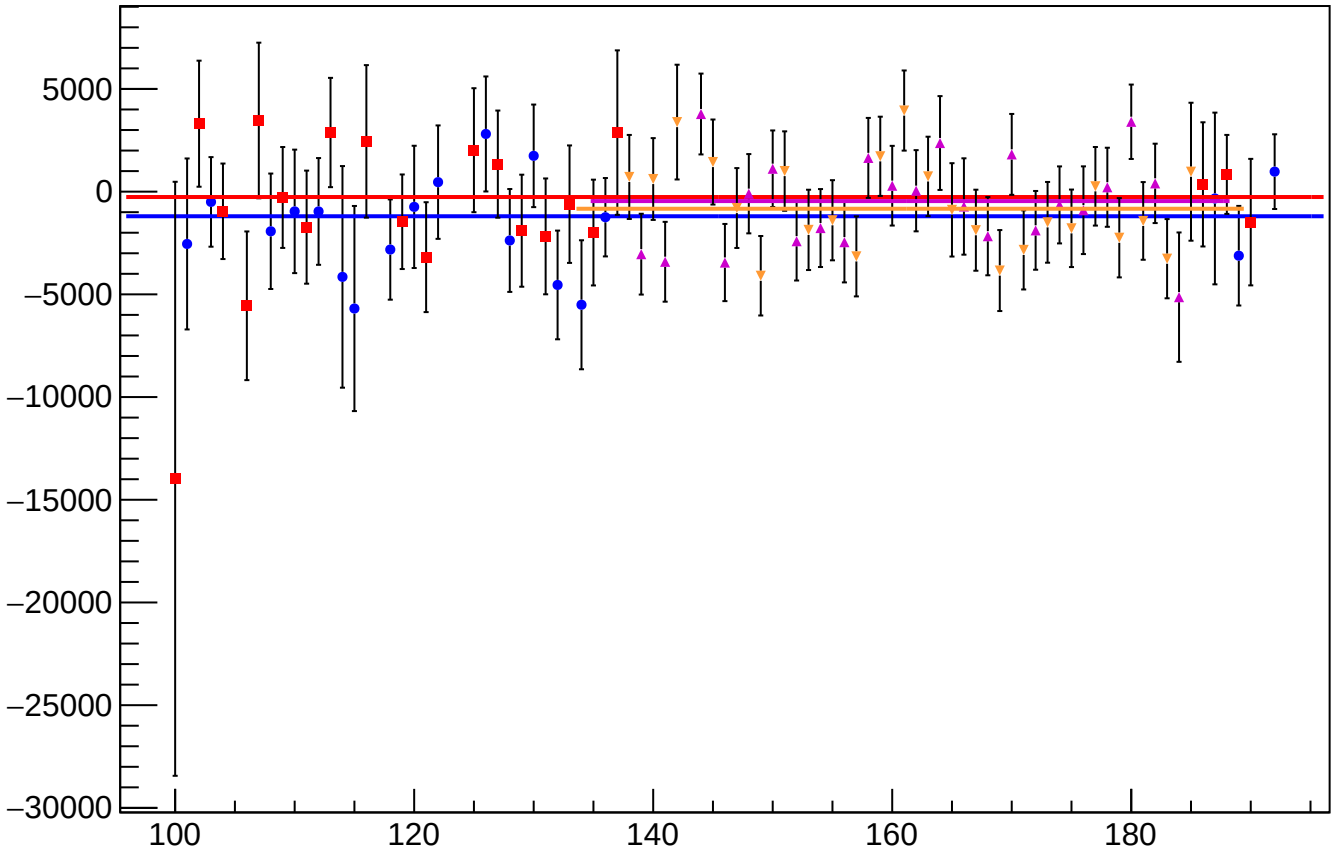
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1069.668+/-0.205 χ^2/NDF: 7927496.4/39

In: 774.200+/-0.111 χ^2/NDF:5511754.3/41

Out: 751.548+/-0.108 χ^2/NDF:6217316.6/44

All: 762.592+/-0.077 χ^2/NDF: 11750432.3/86



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: -261.768+/-617.757 χ^2/NDF: 12.5/20

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

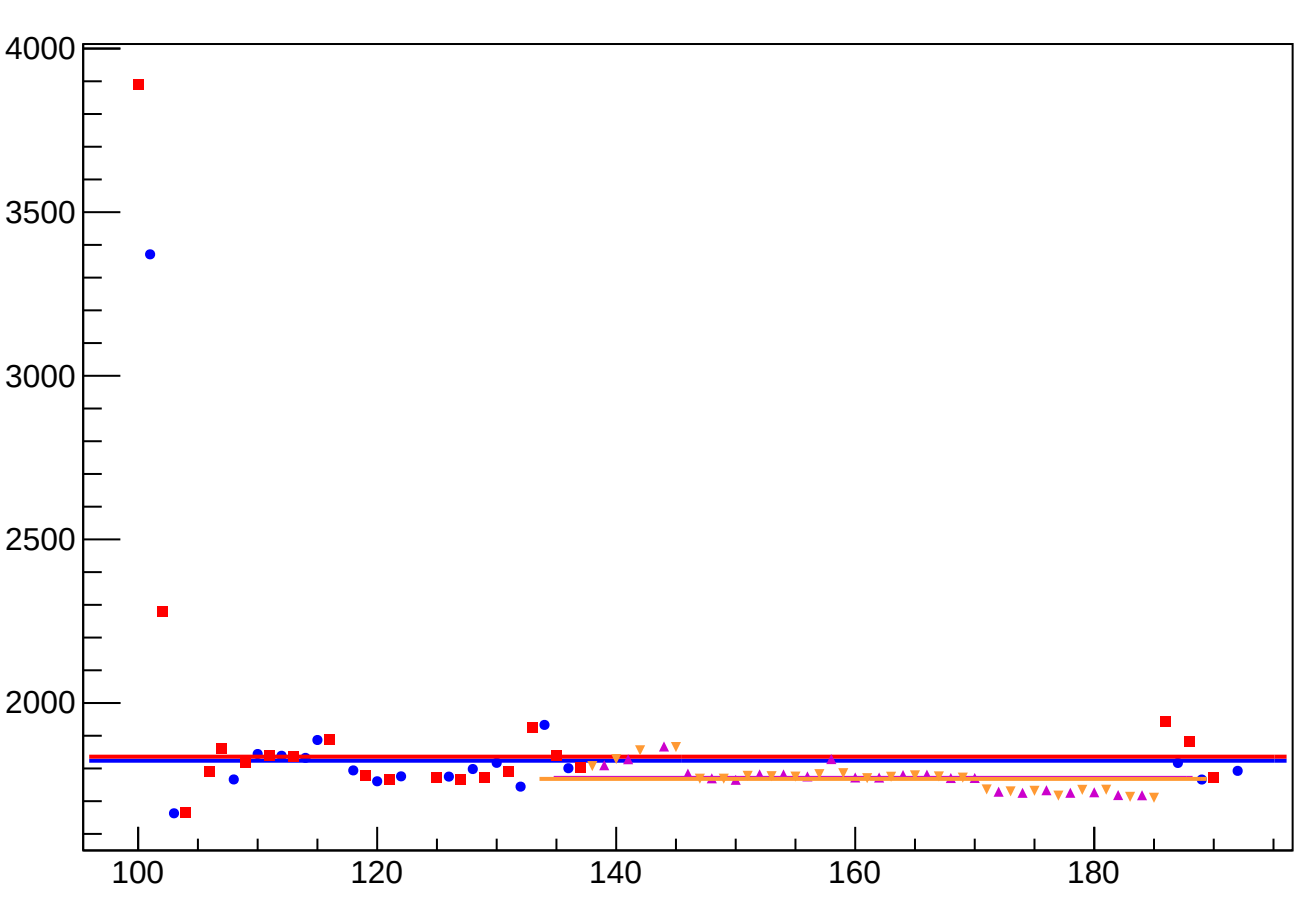
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -731.334+/-436.173 χ^2/NDF: 25.1/39

In: -689.117+/-343.389 χ^2/NDF:39.7/41

Out: -657.695+/-341.868 χ^2/NDF:38.5/44

All: -673.336+/-242.273 χ^2/NDF: 78.2/86



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: 1836.022+/-0.437 χ^2/NDF: 107118.0/20

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

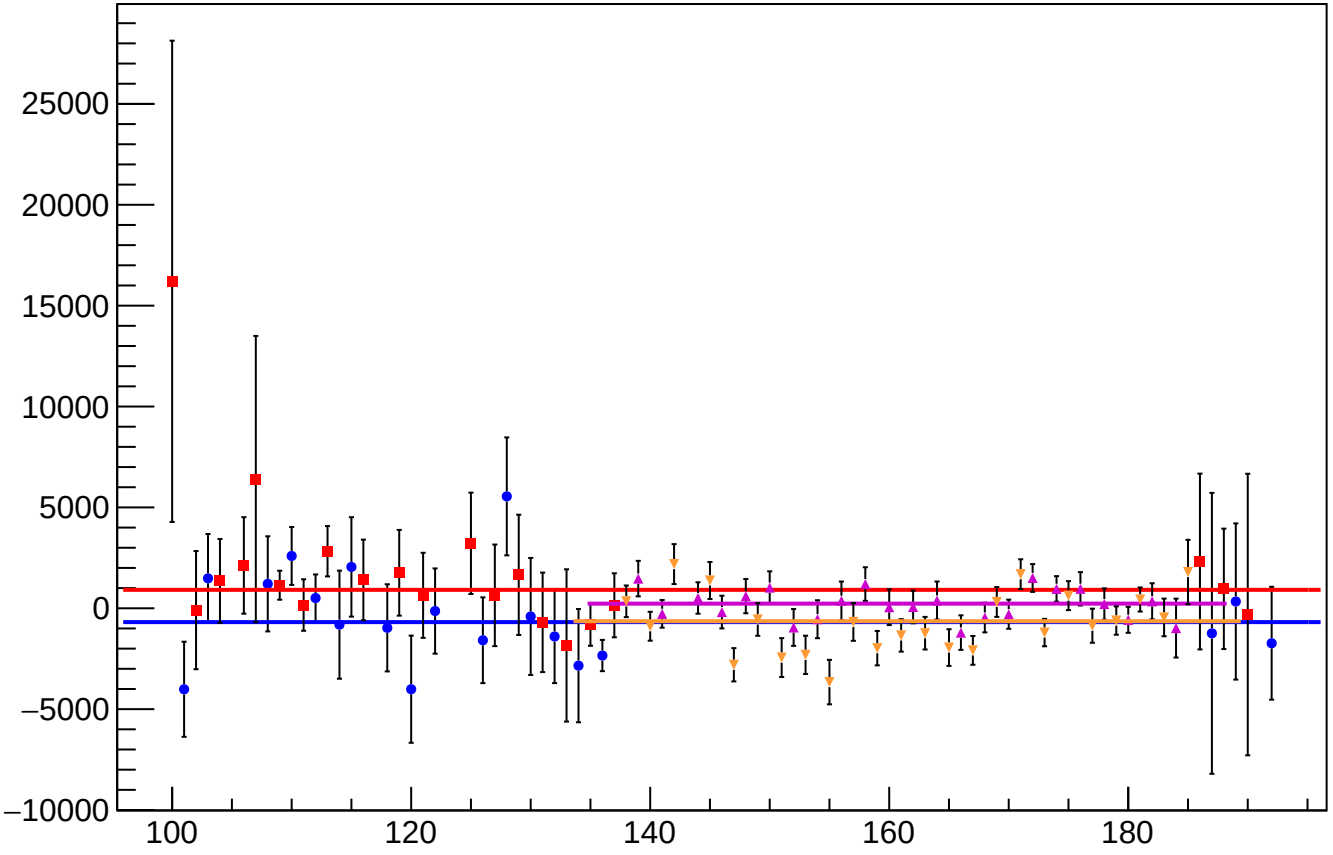
Right: 1829.826+/-0.308 χ^2/NDF: 405035.3/39

In: 1787.520+/-0.243 χ^2/NDF:323936.5/41

Out: 1788.919+/-0.242 χ^2/NDF:140237.0/44

All: 1788.222+/-0.171 χ^2/NDF: 464190.1/86

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: 914.327+/-389.227 χ^2/NDF: 10.6/20

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

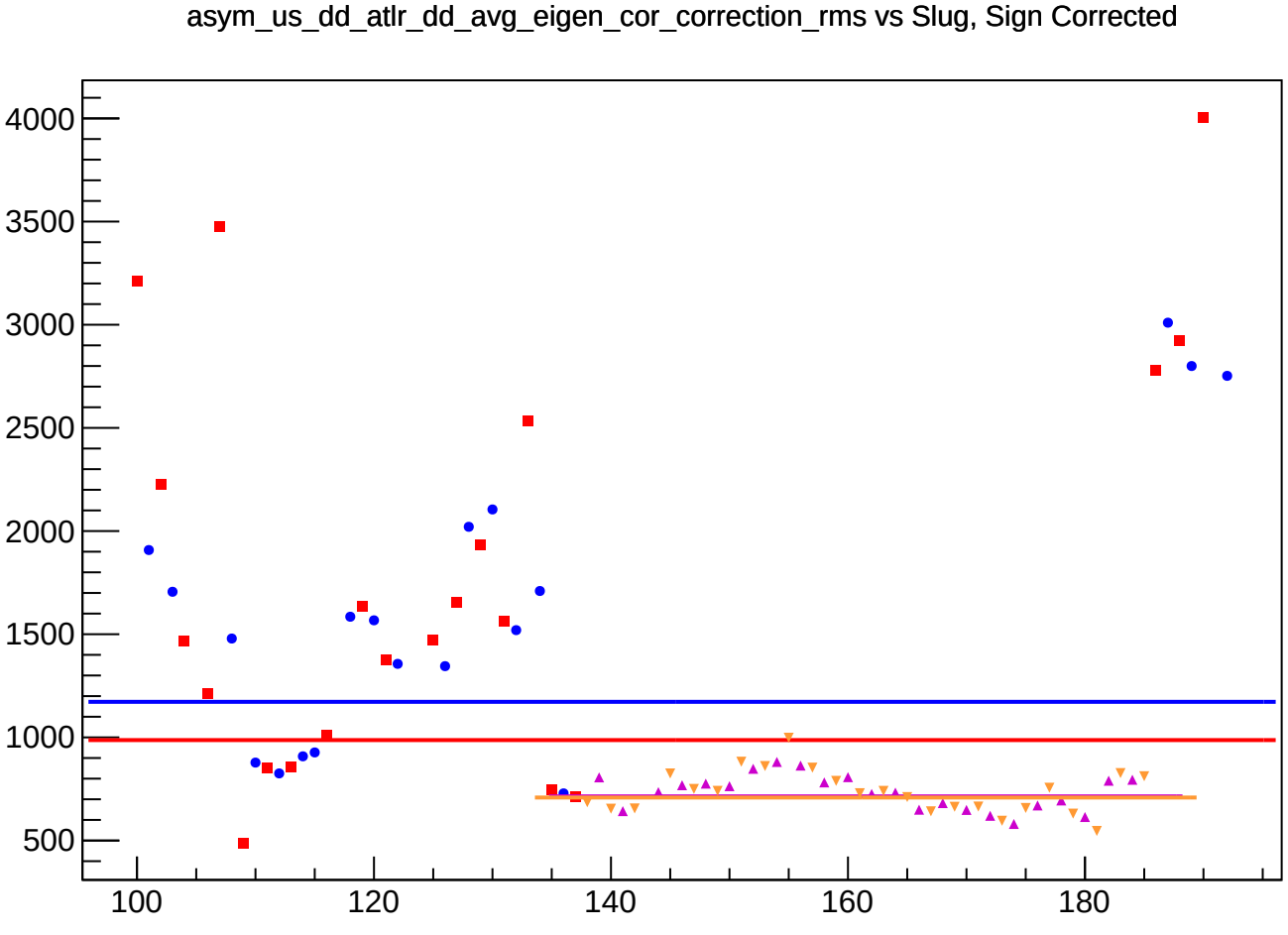
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 200.137+/-289.607 χ^2/NDF: 41.2/39

In: 110.523+/-156.906 χ^2/NDF:46.8/41

Out: -400.542+/-153.043 χ^2/NDF:90.8/44

All: -151.378+/-109.558 χ^2/NDF: 143.1/86



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: 986.893+/-0.275 χ^2/NDF: 4651952.9/20

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

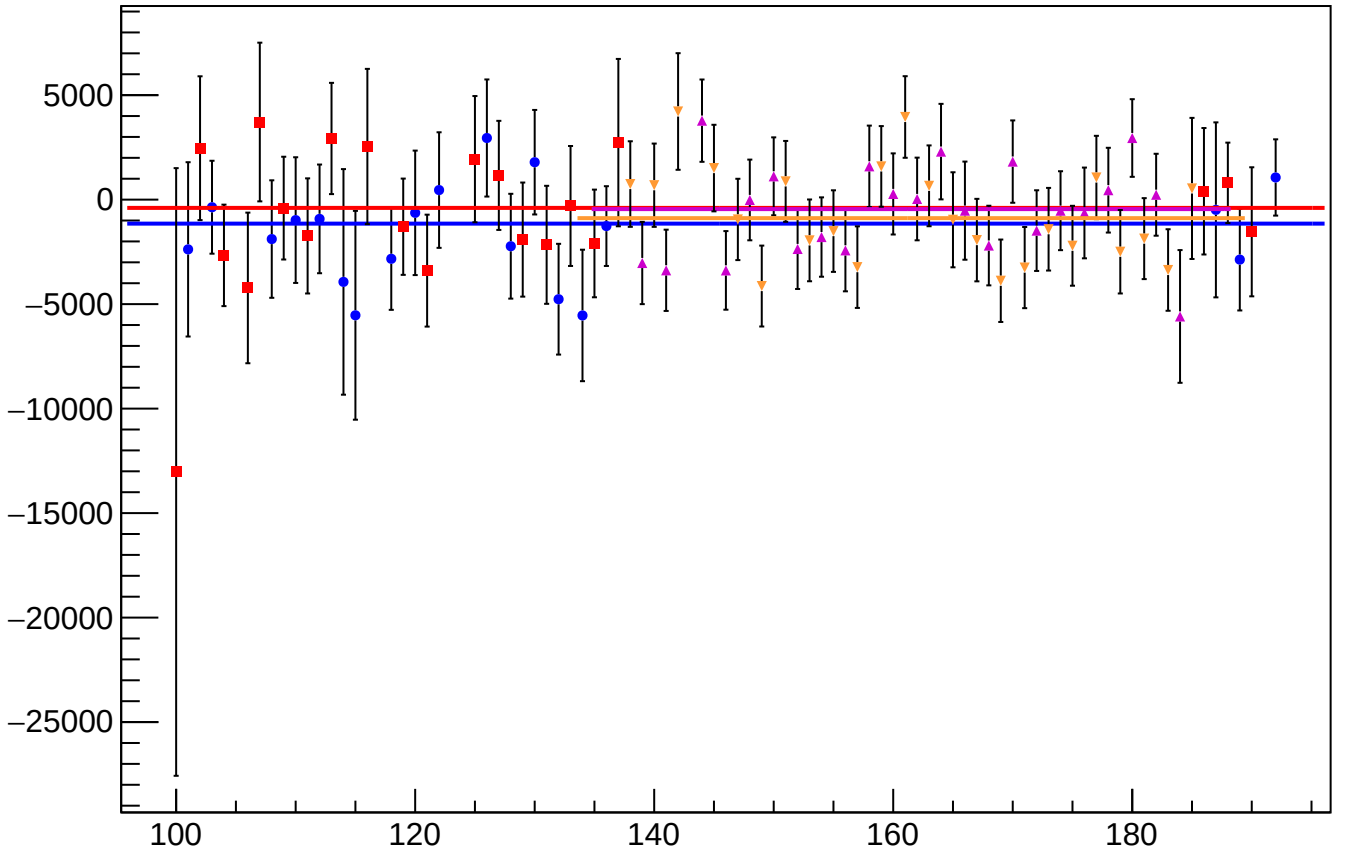
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1069.668+/-0.205 χ^2/NDF: 7927496.4/39

In: 774.200+/-0.111 χ^2/NDF:5511754.3/41

Out: 751.548+/-0.108 χ^2/NDF:6217316.6/44

All: 762.592+/-0.077 χ^2/NDF: 11750432.3/86



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: -395.485+/-622.738 χ^2/NDF: 11.7/20

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

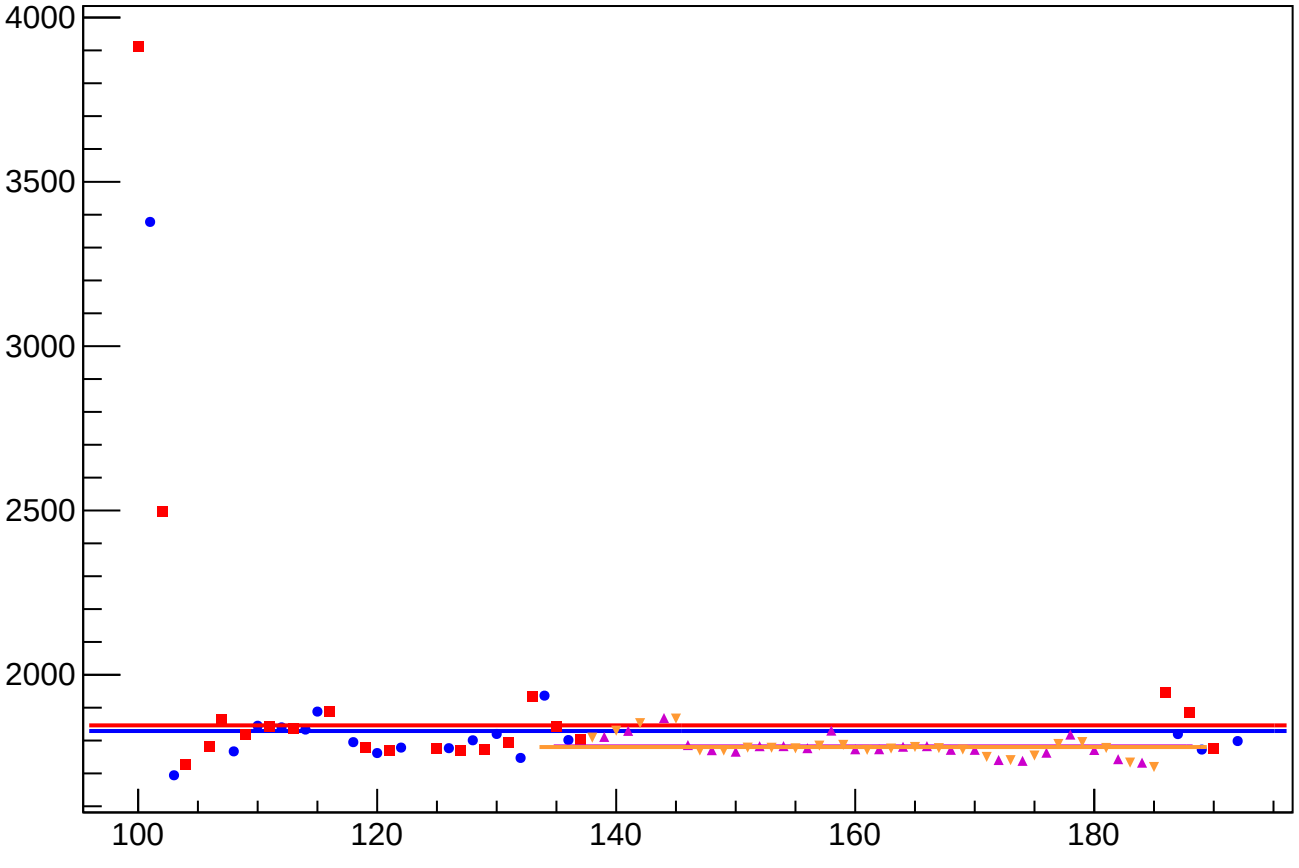
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -774.911+/-438.547 χ^2/NDF: 24.2/39

In: -670.239+/-345.159 χ^2/NDF:38.4/41

Out: -736.291+/-344.318 χ^2/NDF:40.3/44

All: -703.346+/-243.766 χ^2/NDF: 78.7/86



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: 1846.175+/-0.440 χ^2/NDF: 132405.2/20

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

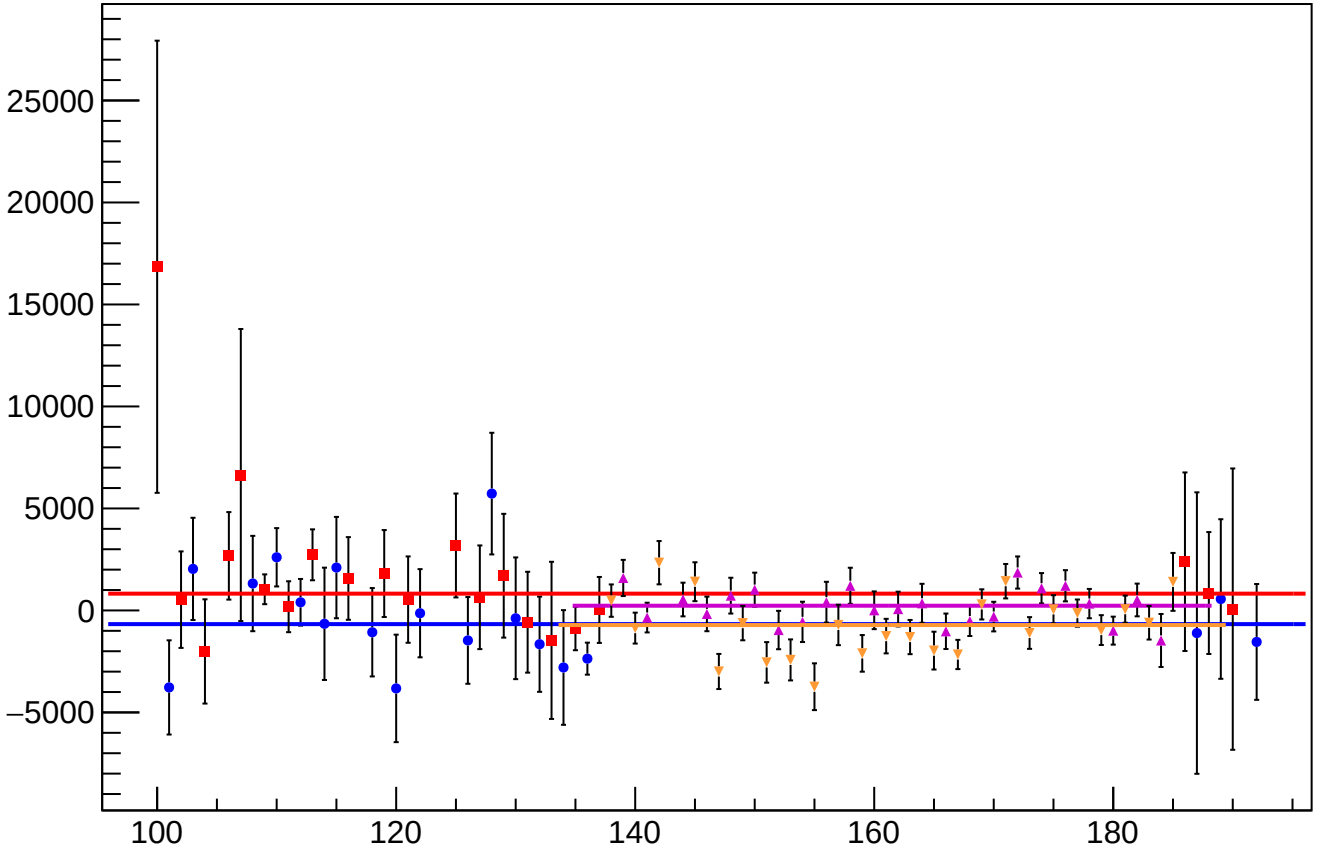
Right: 1837.508+/-0.310 χ^2/NDF: 427155.9/39

In: 1796.874+/-0.244 χ^2/NDF:313070.5/41

Out: 1800.384+/-0.243 χ^2/NDF:158361.4/44

All: 1798.633+/-0.172 χ^2/NDF: 471535.5/86

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: 823.105+/-391.509 χ^2/NDF: 12.4/20

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

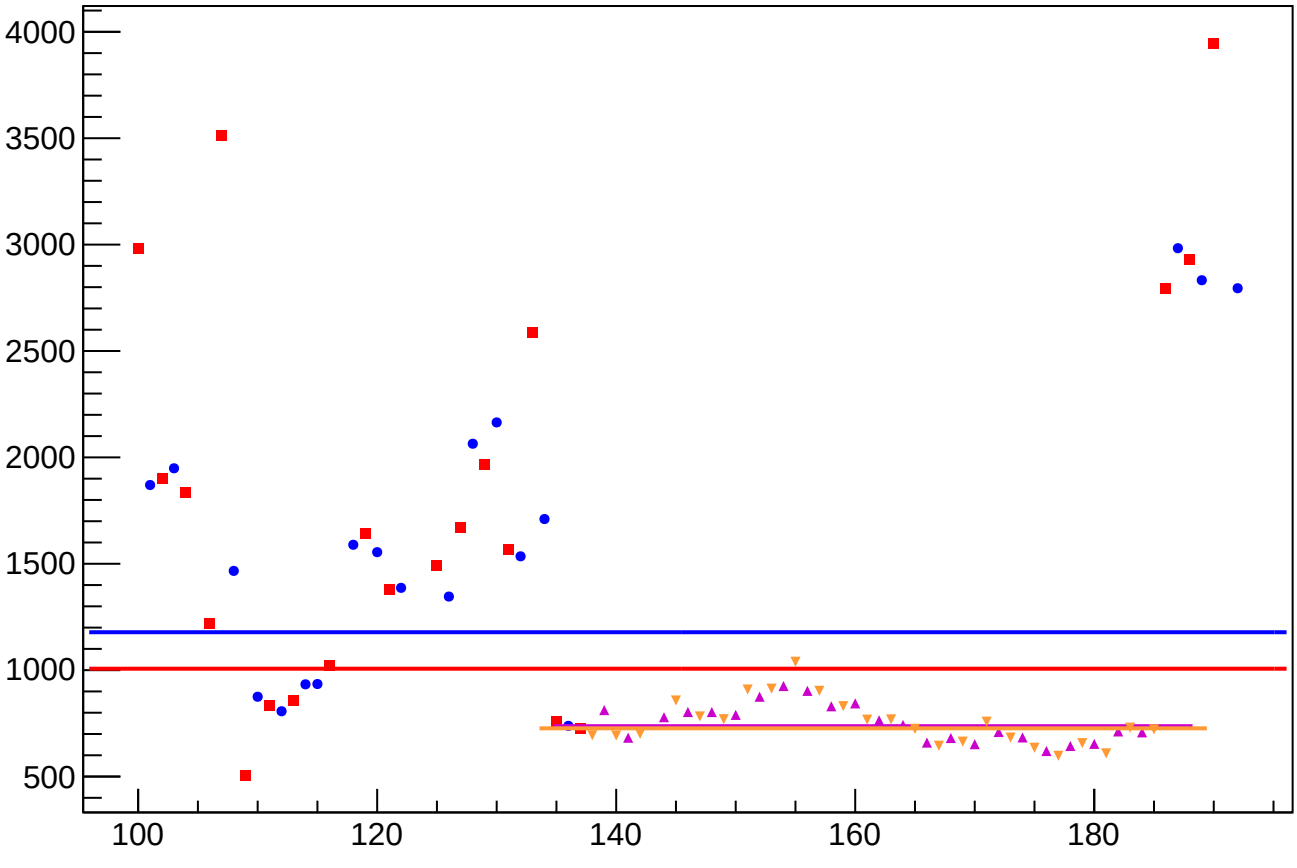
Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

Right: 157.663+/-291.558 χ^2/NDF: 41.8/39

In: 108.483+/-161.197 χ^2/NDF:50.7/41

Out: -470.891+/-156.399 χ^2/NDF:84.7/44

All: -189.955+/-112.248 χ^2/NDF: 142.1/86



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: 1006.823+/-0.277 χ^2/NDF: 4619234.7/20

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

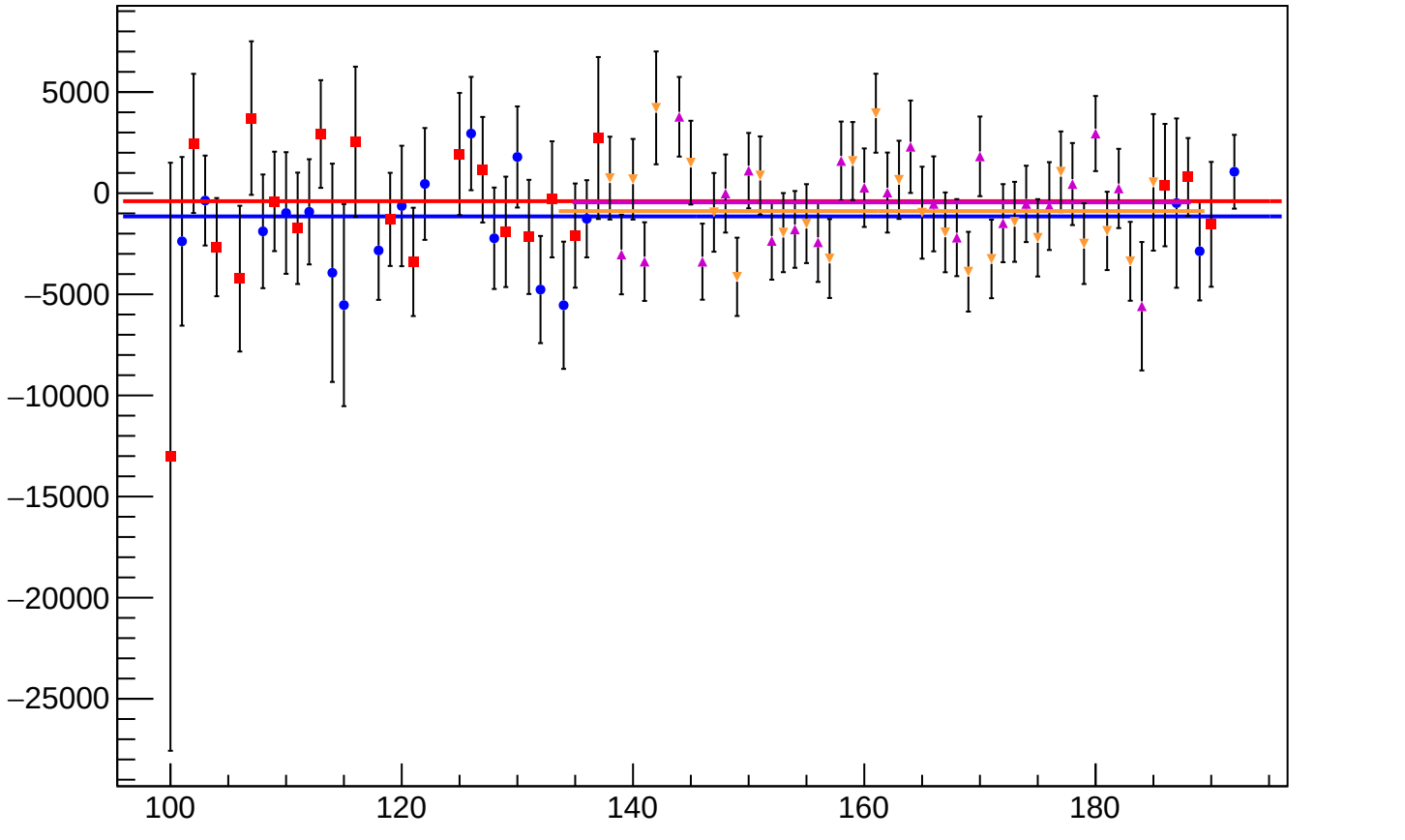
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1083.193+/-0.206 χ^2/NDF: 7954361.6/39

In: 796.831+/-0.114 χ^2/NDF:5394473.3/41

Out: 771.322+/-0.111 χ^2/NDF:6165085.5/44

All: 783.691+/-0.079 χ^2/NDF: 11585357.3/86



Right In: -1148.213+/-617.690 χ^2/NDF: 11.7/18

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: -395.487+/-622.738 χ^2/NDF: 11.7/20

Left In: -453.236+/-416.200 χ^2/NDF:25.8/22

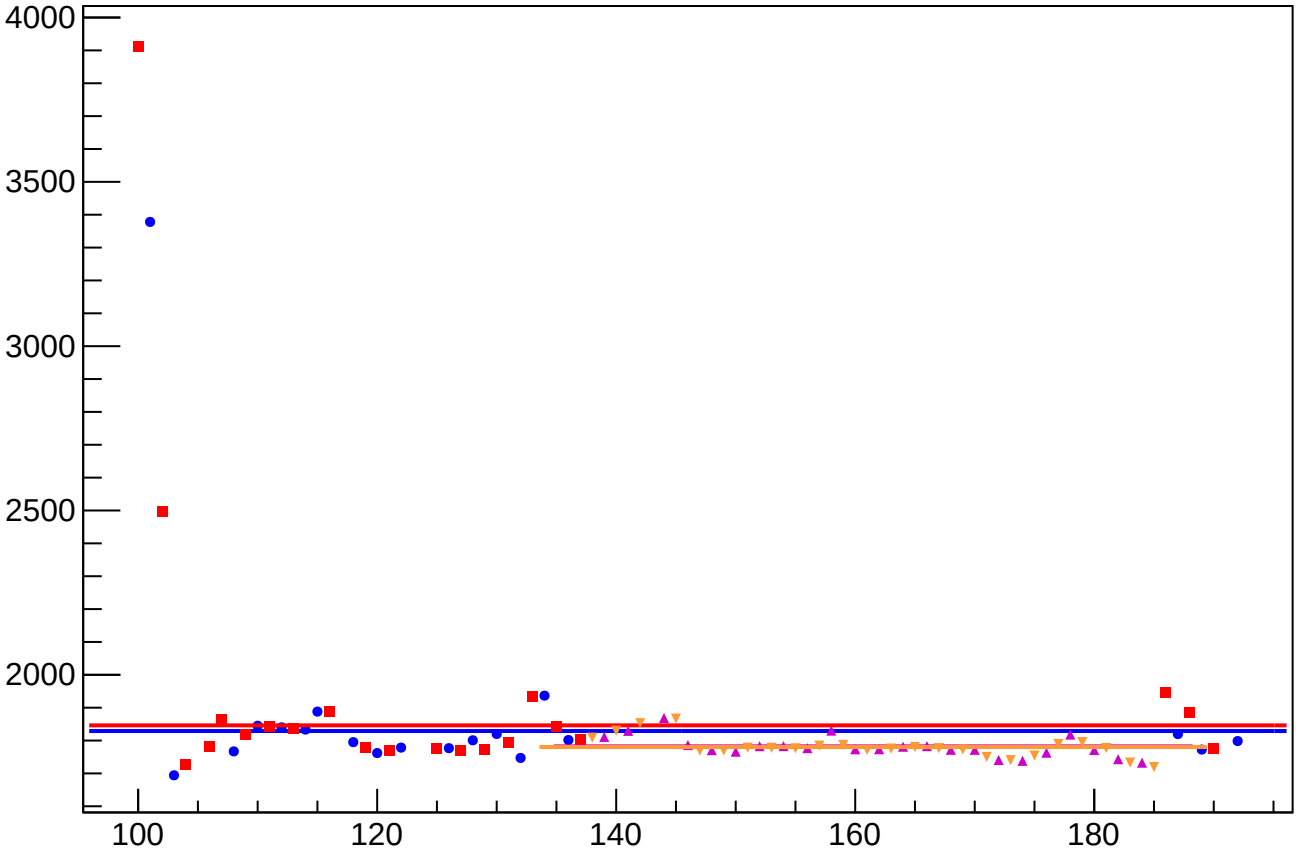
Left: -671.347+/-293.241 χ^2/NDF: 54.5/46

Right: -774.913+/-438.547 χ^2/NDF: 24.2/39

In: -670.240+/-345.159 χ^2/NDF:38.4/41

Out: -736.291+/-344.318 χ^2/NDF:40.3/44

All: -703.346+/-243.766 χ^2/NDF: 78.7/86



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: 1846.175+/-0.440 χ^2/NDF: 132405.2/20

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

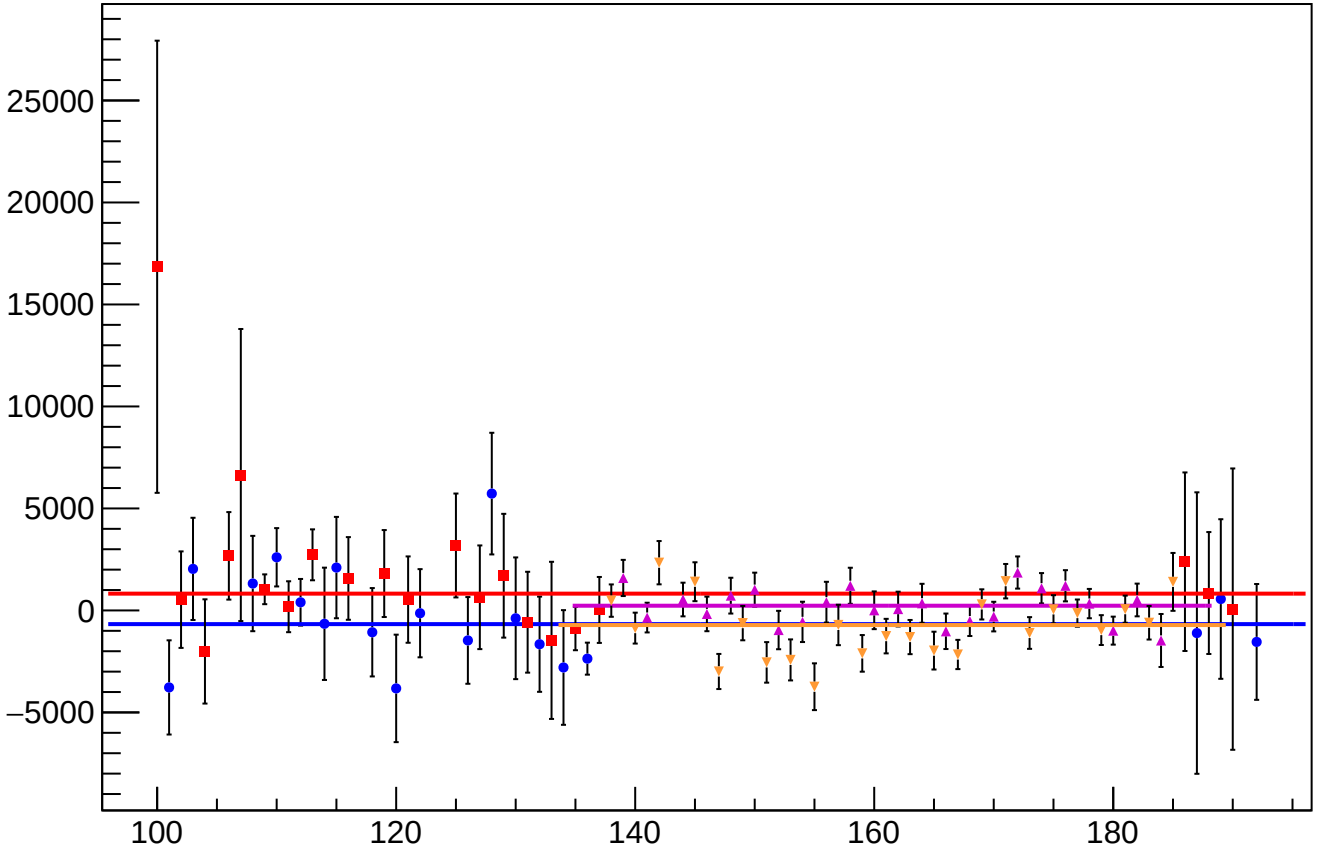
Right: 1837.508+/-0.310 χ^2/NDF: 427156.0/39

In: 1796.874+/-0.244 χ^2/NDF:313070.5/41

Out: 1800.383+/-0.243 χ^2/NDF:158361.6/44

All: 1798.633+/-0.172 χ^2/NDF: 471535.7/86

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: 823.111+/-391.509 χ^2/NDF: 12.4/20

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

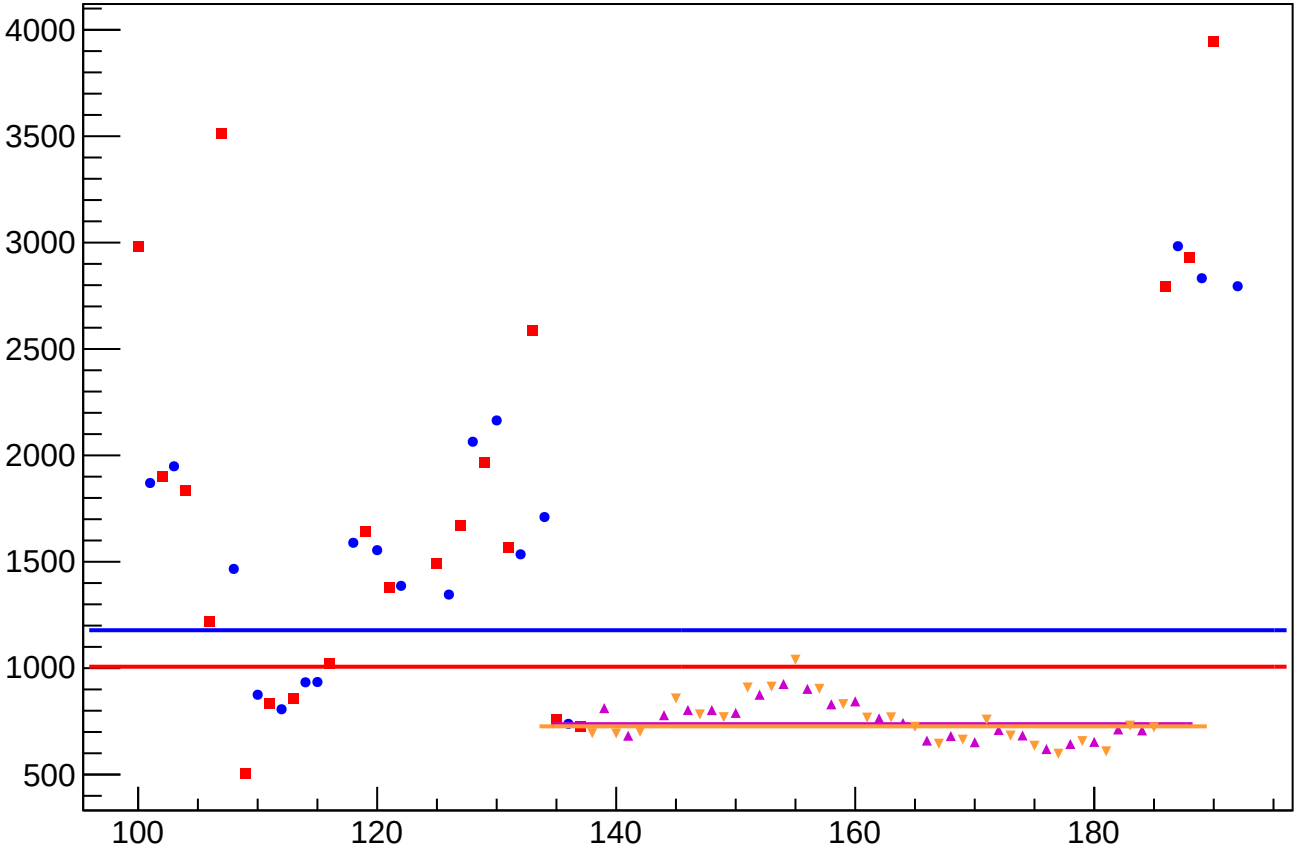
Right: 157.672+/-291.558 χ^2/NDF: 41.8/39

In: 108.484+/-161.197 χ^2/NDF:50.7/41

Out: -470.892+/-156.399 χ^2/NDF:84.7/44

All: -189.955+/-112.248 χ^2/NDF: 142.1/86

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 1006.826+/-0.277 χ^2/NDF: 4619205.1/20

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

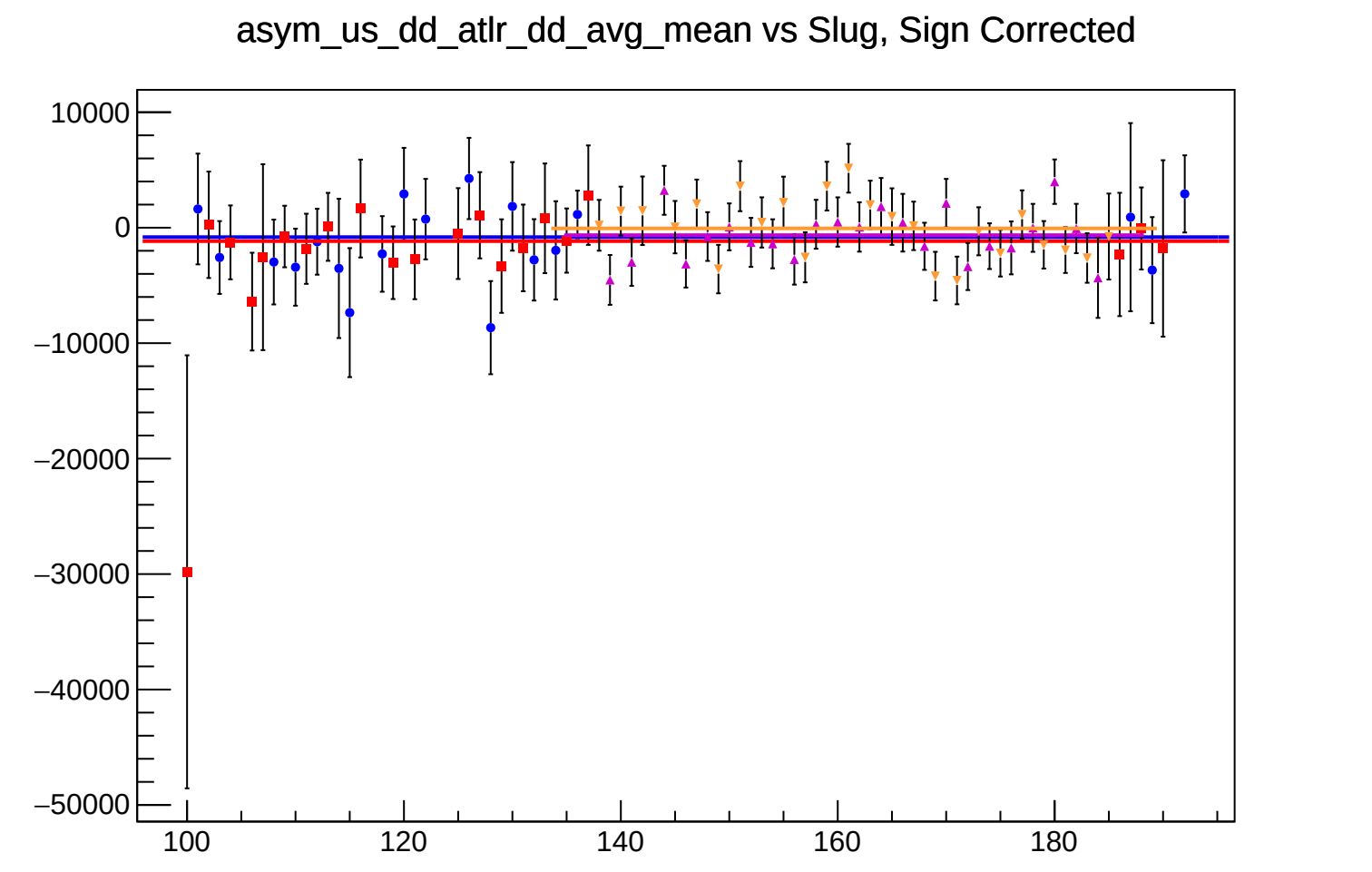
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1083.195+/-0.206 χ^2/NDF: 7954285.8/39

In: 796.831+/-0.114 χ^2/NDF:5394463.7/41

Out: 771.323+/-0.111 χ^2/NDF:6165063.7/44

All: 783.691+/-0.079 χ^2/NDF: 11585324.5/86



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: -1165.188+/-830.092 χ^2/NDF: 7.1/20

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

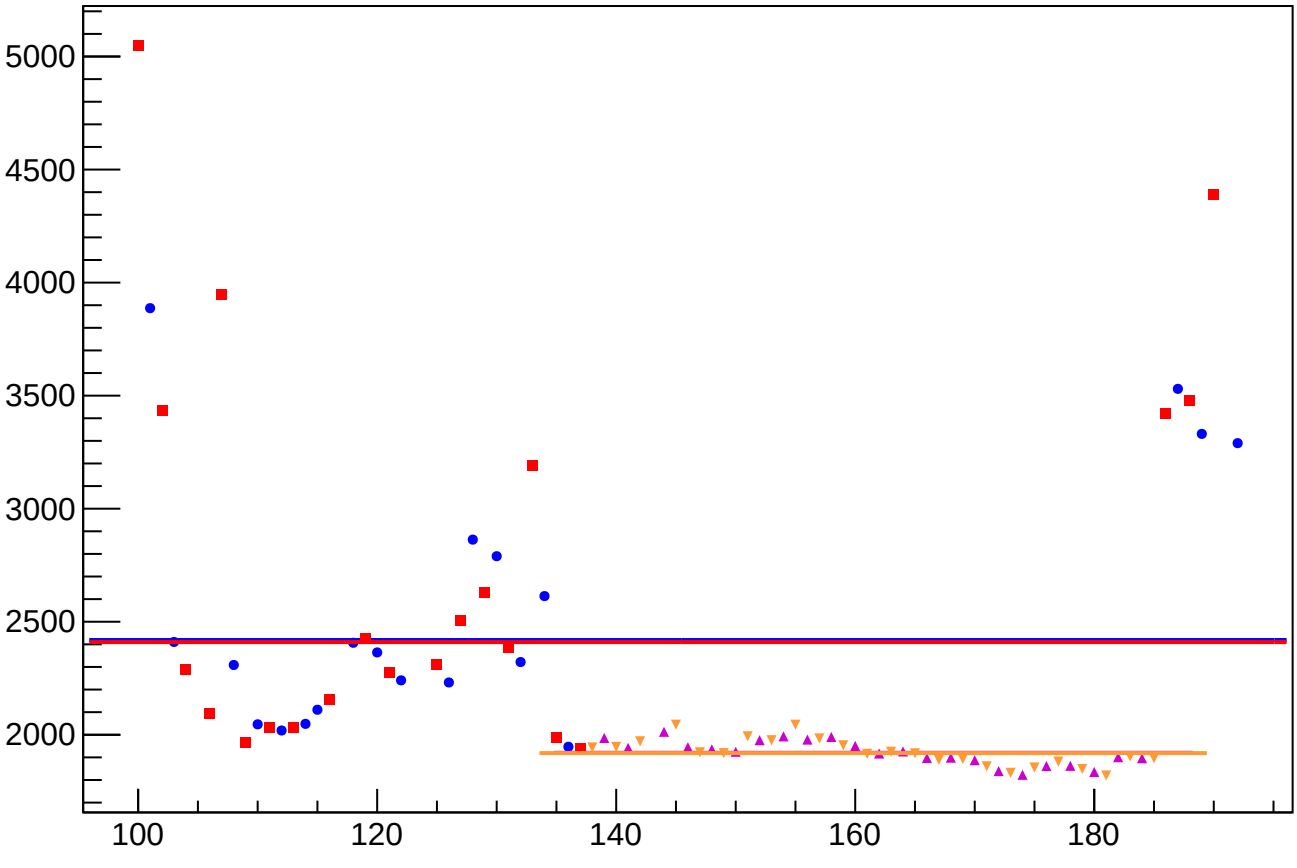
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -989.603+/-585.916 χ^2/NDF: 20.9/39

In: -685.167+/-394.295 χ^2/NDF:37.4/41

Out: -306.913+/-392.609 χ^2/NDF:41.5/44

All: -495.230+/-278.211 χ^2/NDF: 79.3/86



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: 2410.012+/-0.587 χ^2/NDF: 876353.3/20

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

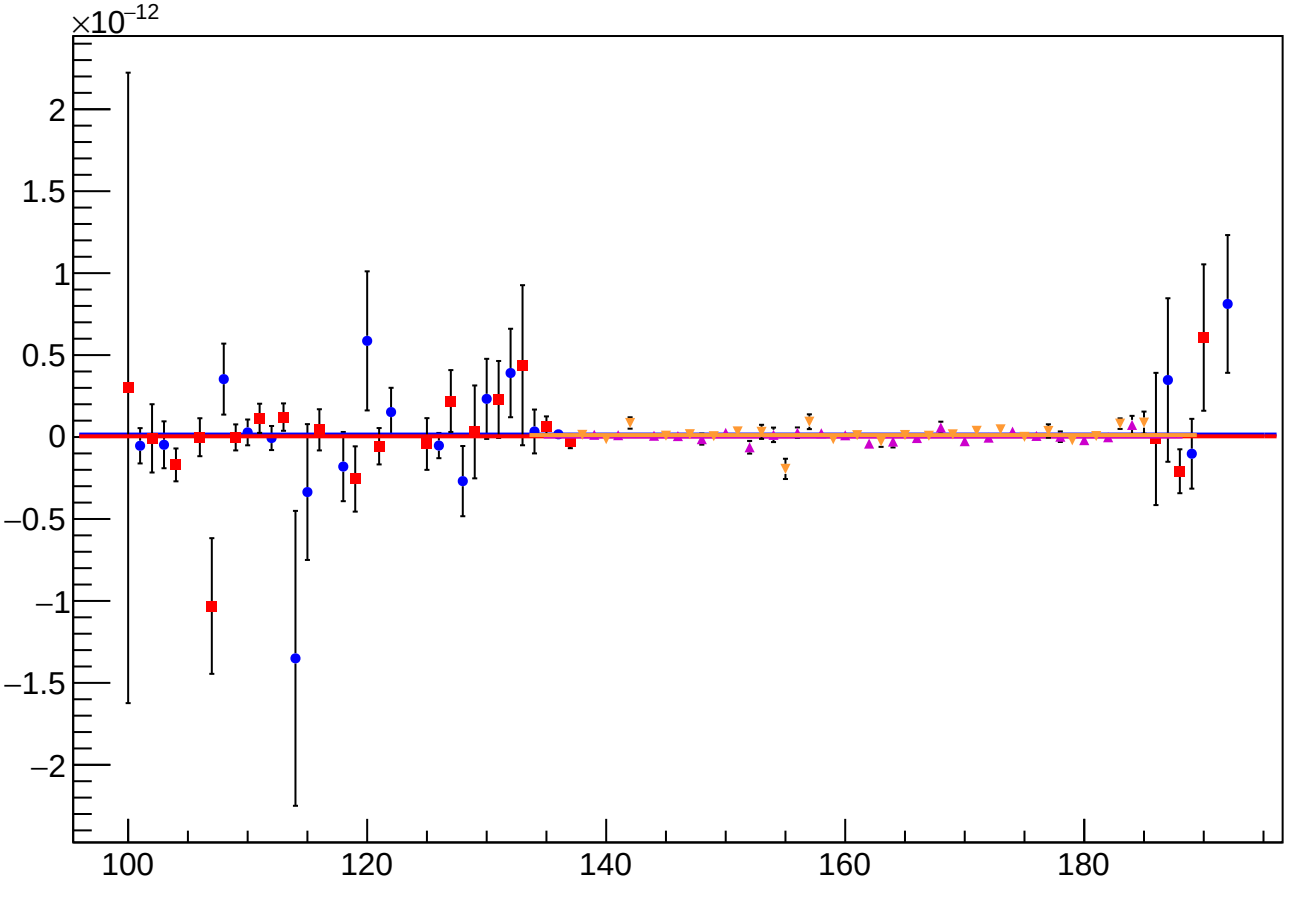
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2414.570+/-0.414 χ^2/NDF: 1560172.2/39

In: 2033.581+/-0.279 χ^2/NDF:1275839.6/41

Out: 2028.823+/-0.278 χ^2/NDF:1455228.6/44

All: 2031.192+/-0.197 χ^2/NDF: 2731214.4/86



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: 23.9/20

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

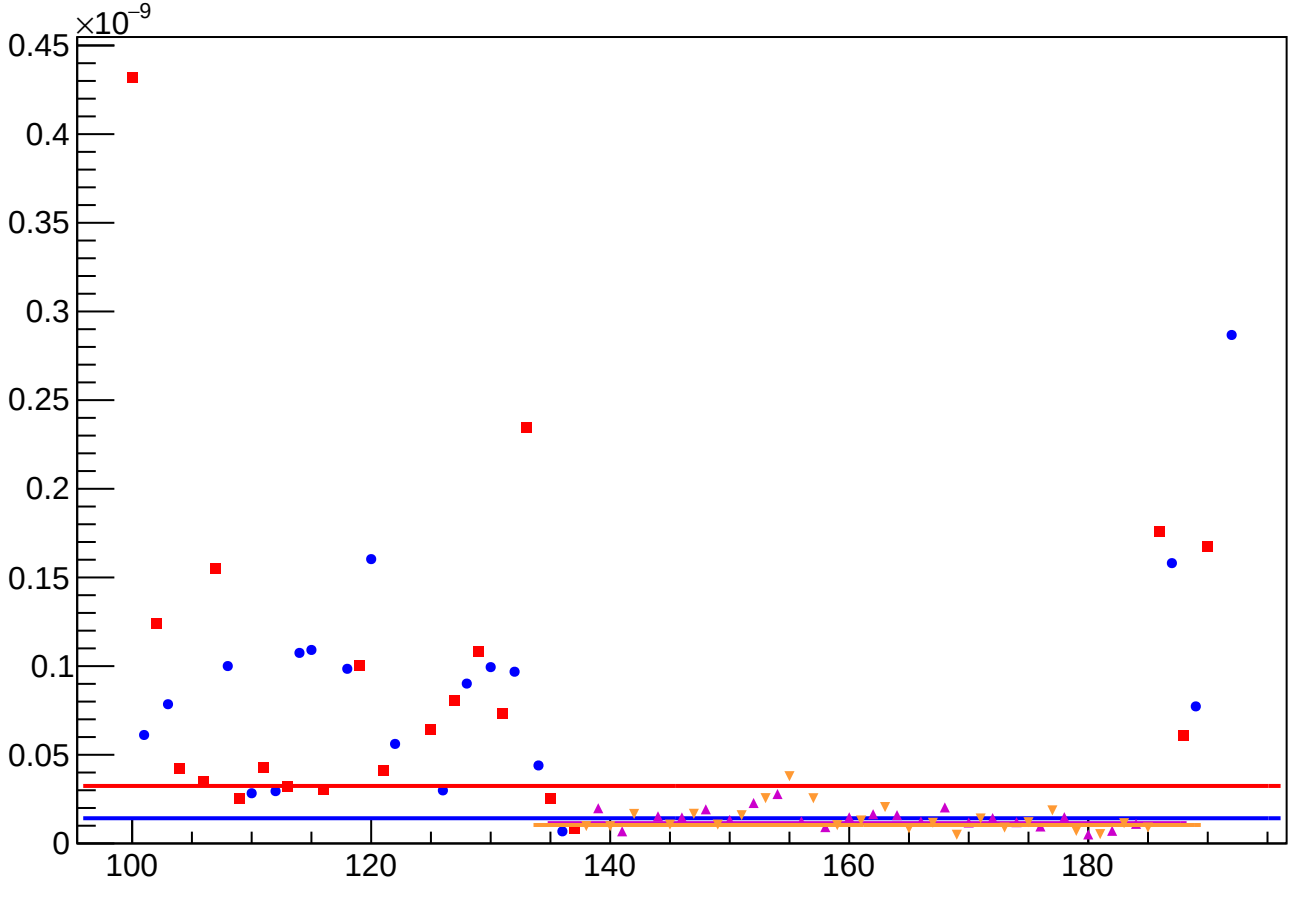
Right: 0.000+/-0.000 χ^2/NDF: 43.4/39

In: 0.000+/-0.000 χ^2/NDF:39.5/41

Out: 0.000+/-0.000 χ^2/NDF:62.1/44

All: 0.000+/-0.000 χ^2/NDF: 102.8/86

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: 2886380.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

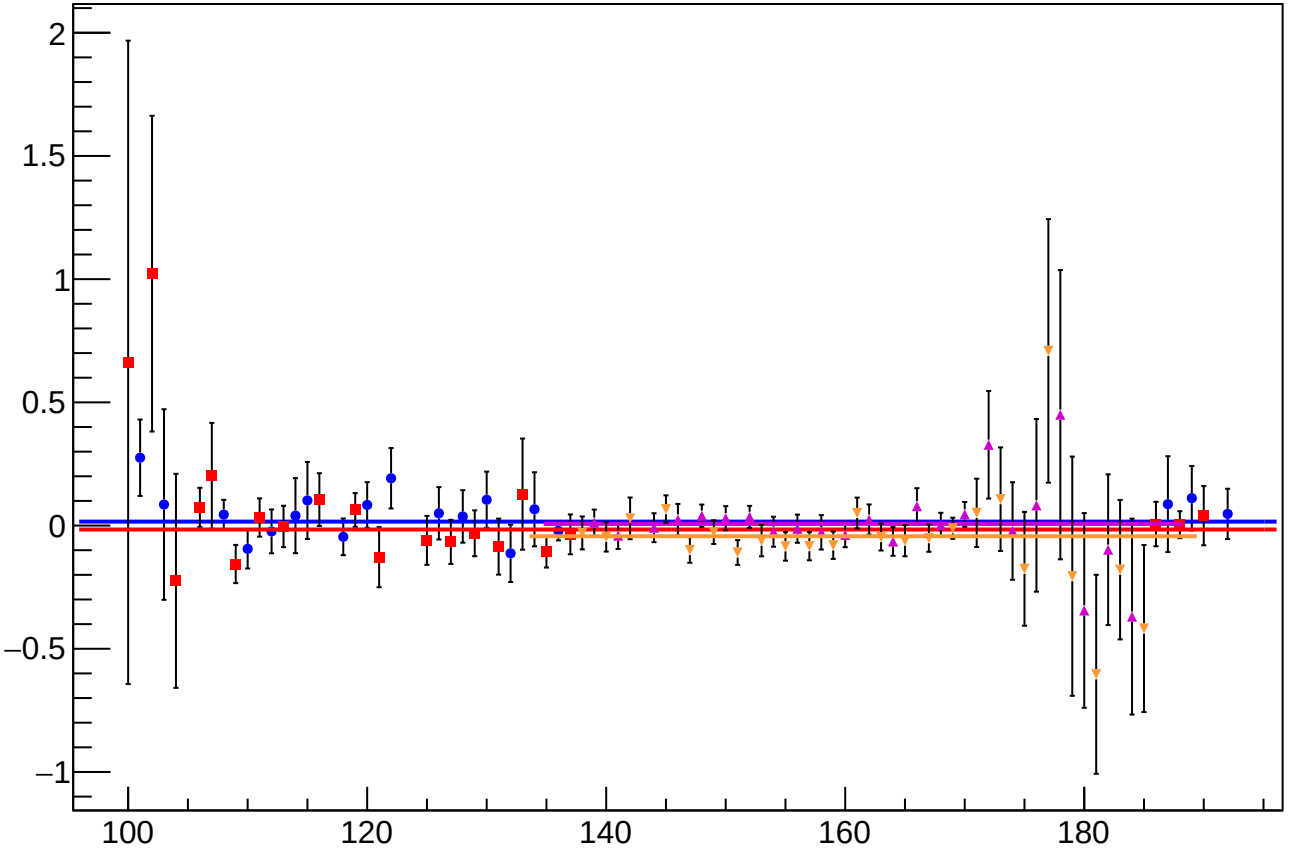
Right: 0.000+/-0.000 χ^2/NDF: 8371186.7/39

In: 0.000+/-0.000 χ^2/NDF:6567226.9/41

Out: 0.000+/-0.000 χ^2/NDF:6629477.6/44

All: 0.000+/-0.000 χ^2/NDF: 13208858.5/86

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: -0.016+/-0.020 χ^2/NDF: 16.5/20

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

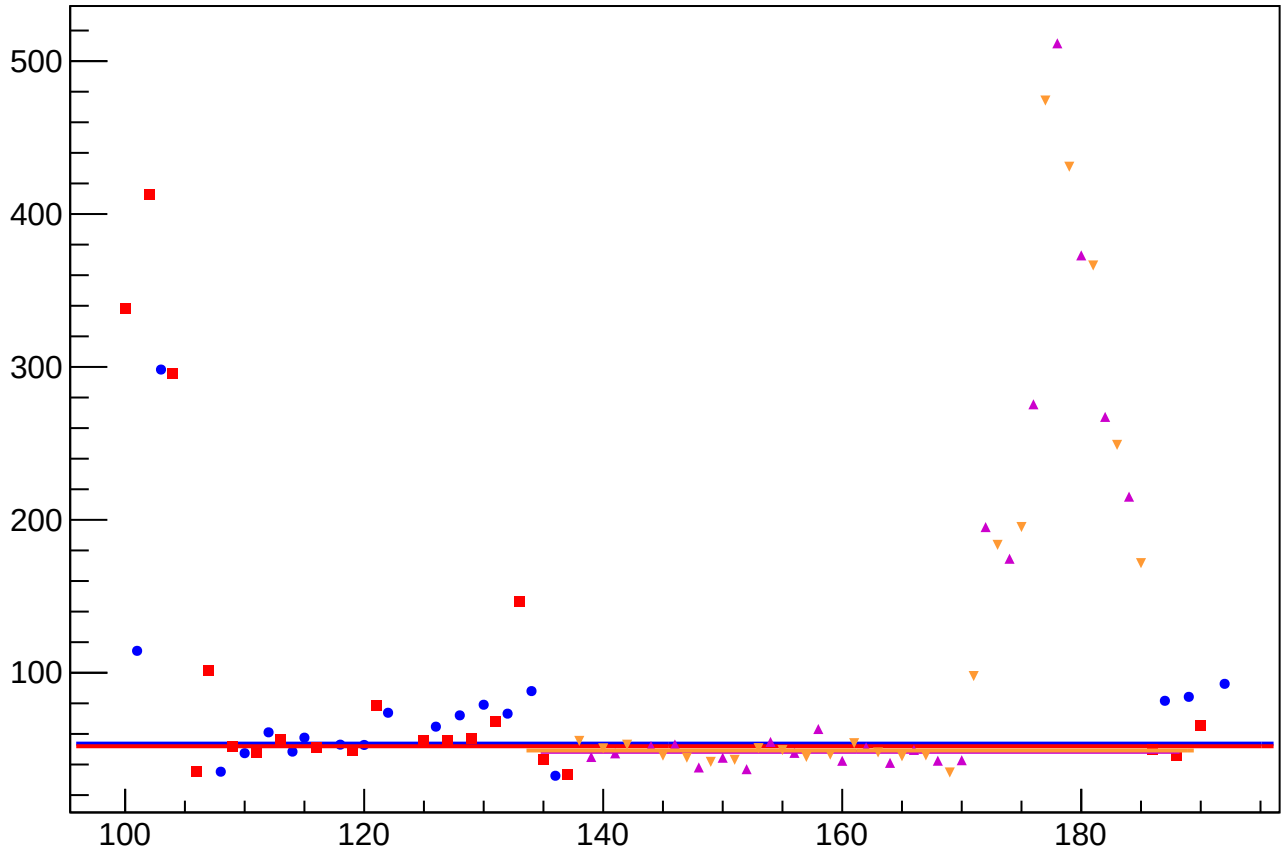
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.000+/-0.015 χ^2/NDF: 30.2/39

In: 0.009+/-0.011 χ^2/NDF:24.0/41

Out: -0.035+/-0.011 χ^2/NDF:36.5/44

All: -0.012+/-0.008 χ^2/NDF: 67.9/86



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: 51.942+/-0.014 χ^2/NDF: 2266281.7/20

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

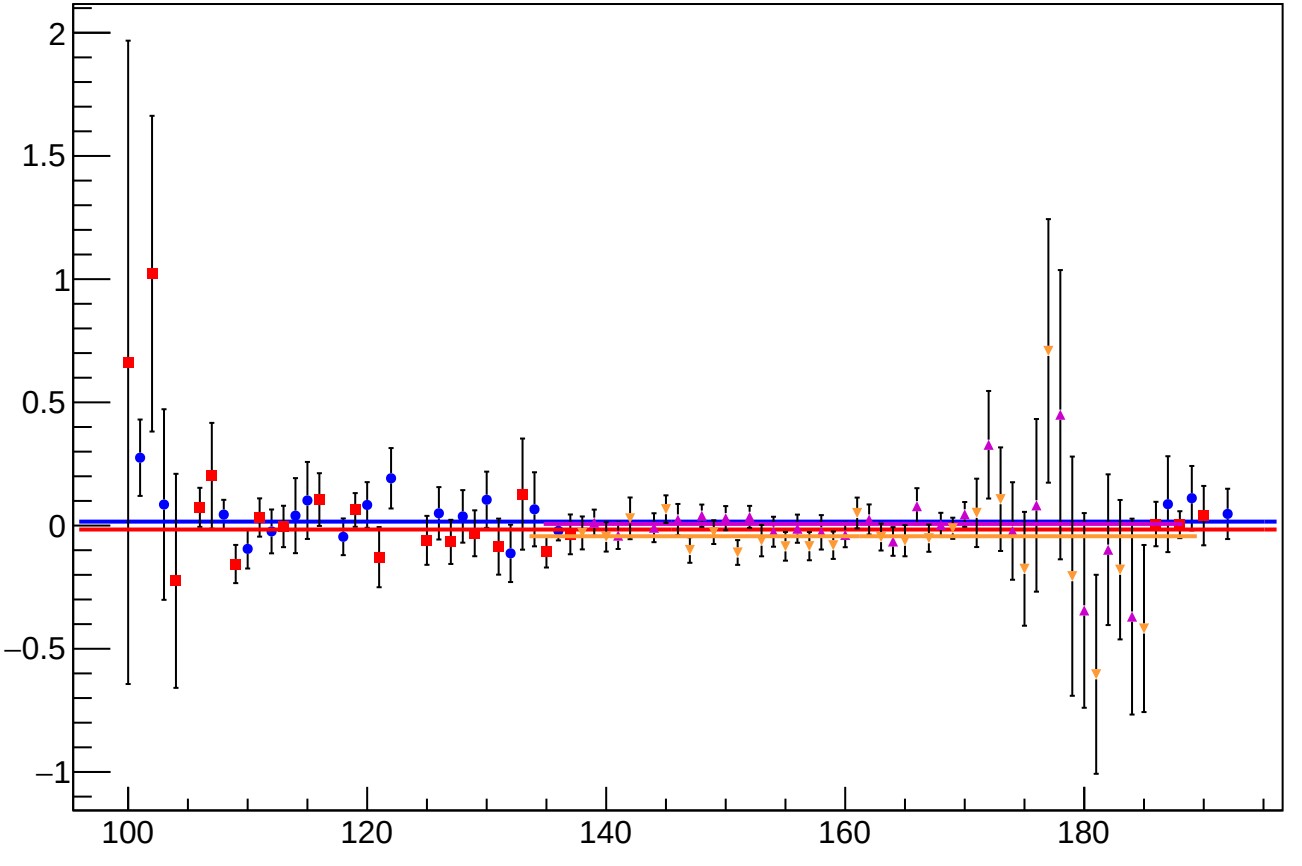
Right: 52.773+/-0.010 χ^2/NDF: 5021911.7/39

In: 49.875+/-0.008 χ^2/NDF:9881153.5/41

Out: 50.055+/-0.008 χ^2/NDF:9541383.6/44

All: 49.964+/-0.006 χ^2/NDF: 19422786.0/86

asym_us_dd_atlr_dd_avg_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: -0.016+/-0.020 χ^2/NDF: 16.5/20

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

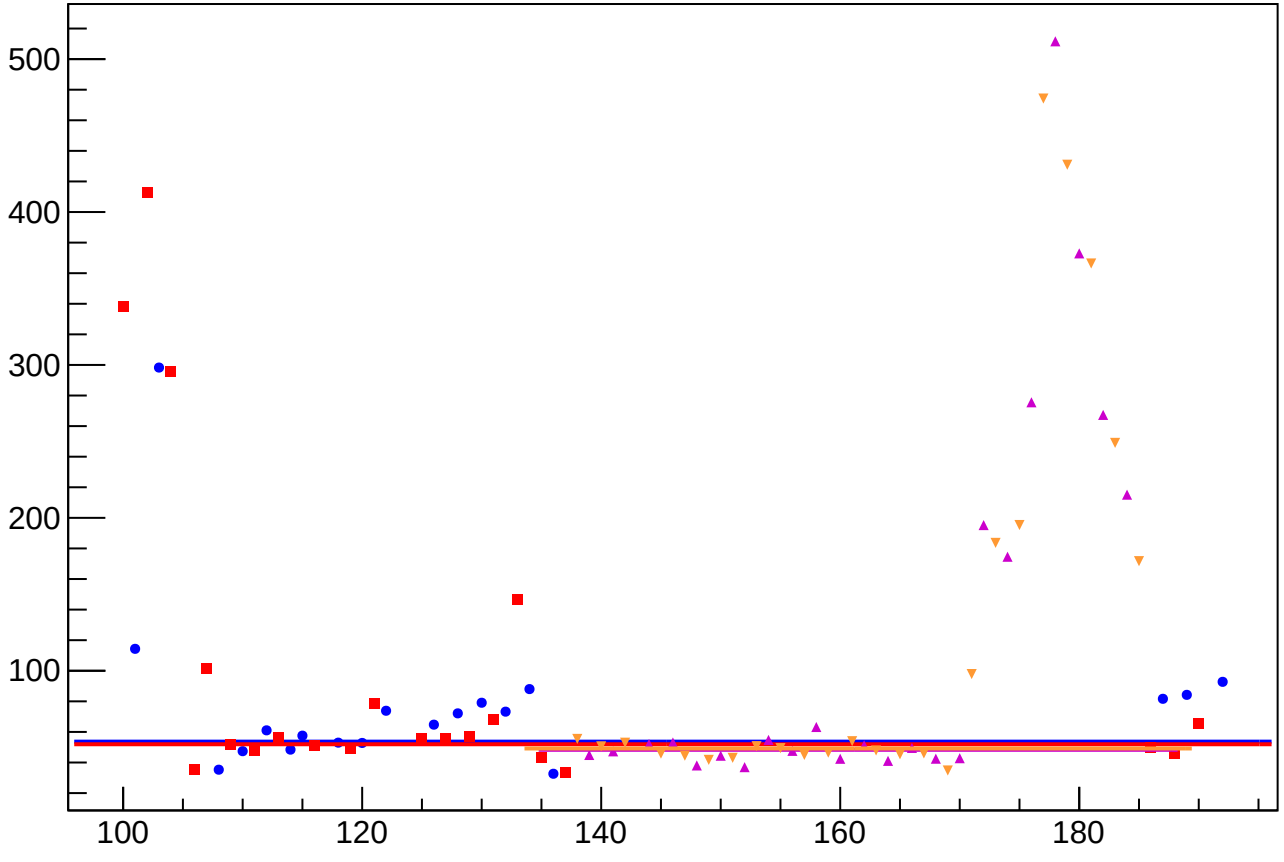
Right: -0.000+/-0.015 χ^2/NDF: 30.2/39

In: 0.009+/-0.011 χ^2/NDF:24.0/41

Out: -0.035+/-0.011 χ^2/NDF:36.5/44

All: -0.012+/-0.008 χ^2/NDF: 67.9/86

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: 51.942+/-0.014 χ^2/NDF: 2266281.7/20

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

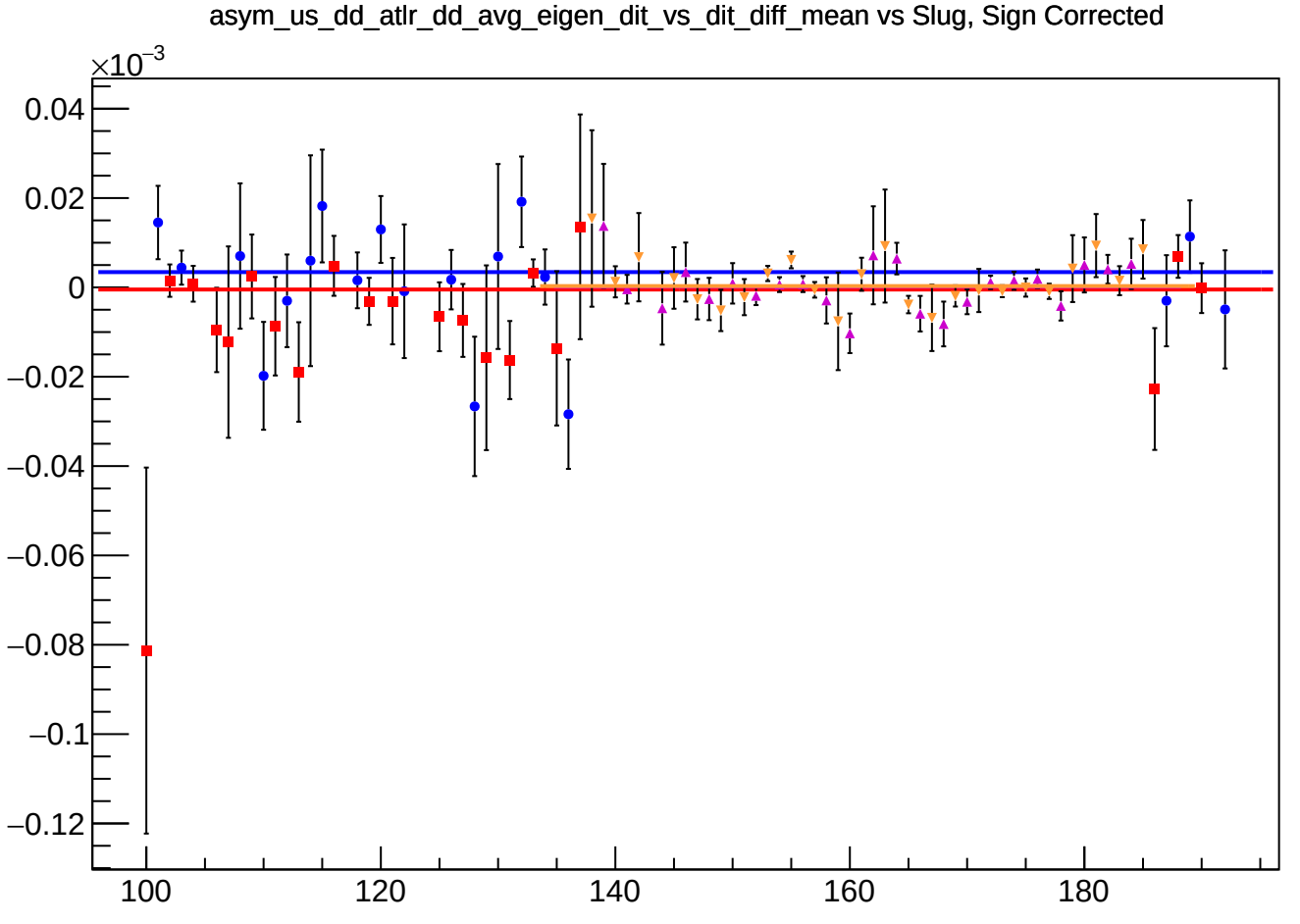
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 52.773+/-0.010 χ^2/NDF: 5021911.7/39

In: 49.875+/-0.008 χ^2/NDF:9881153.5/41

Out: 50.055+/-0.008 χ^2/NDF:9541383.6/44

All: 49.964+/-0.006 χ^2/NDF: 19422786.0/86



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: 22.4/20

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

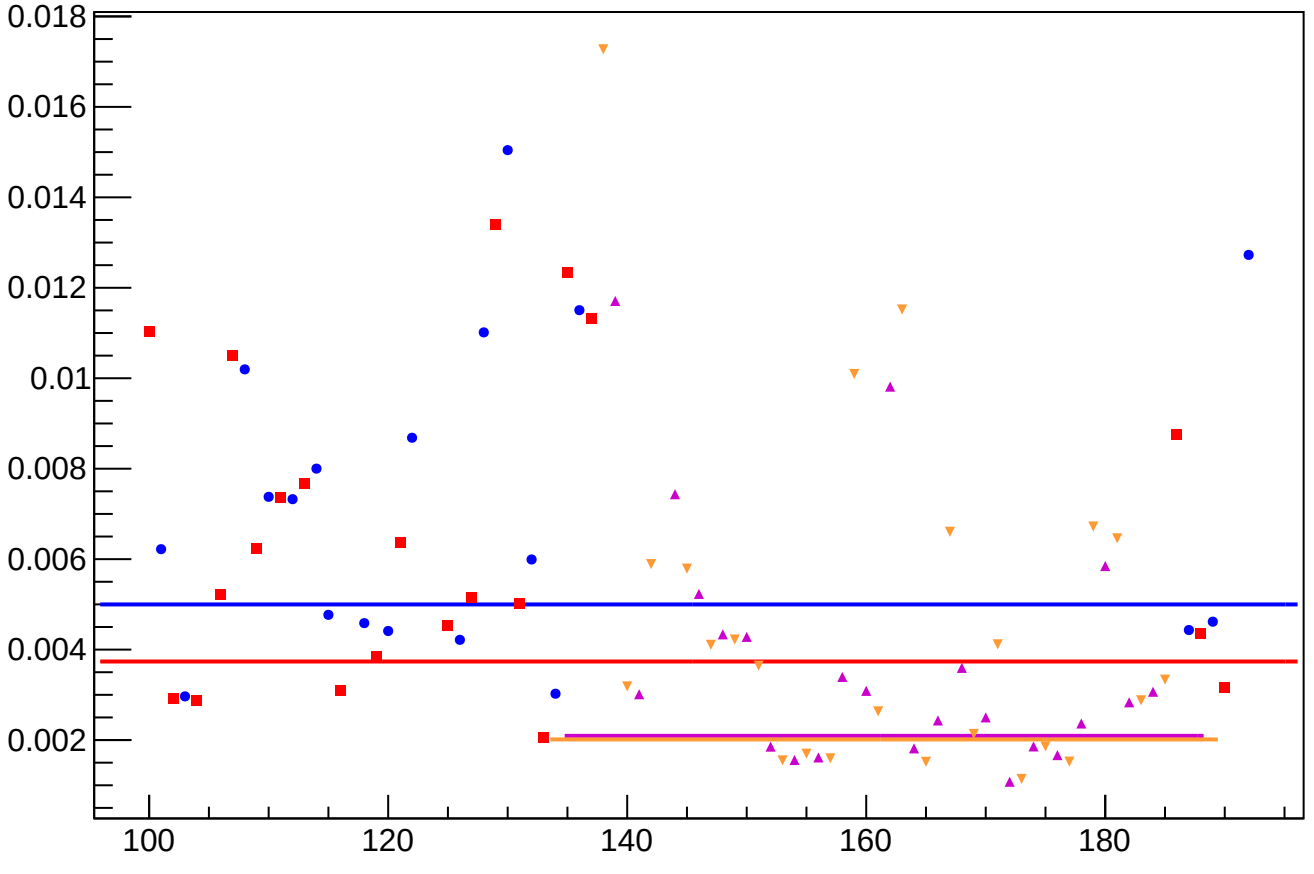
Right: 0.000+/-0.000 χ^2/NDF: 49.0/39

In: 0.000+/-0.000 χ^2/NDF:51.8/41

Out: 0.000+/-0.000 χ^2/NDF:51.5/44

All: 0.000+/-0.000 χ^2/NDF: 103.4/86

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: 3439977.6/20

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

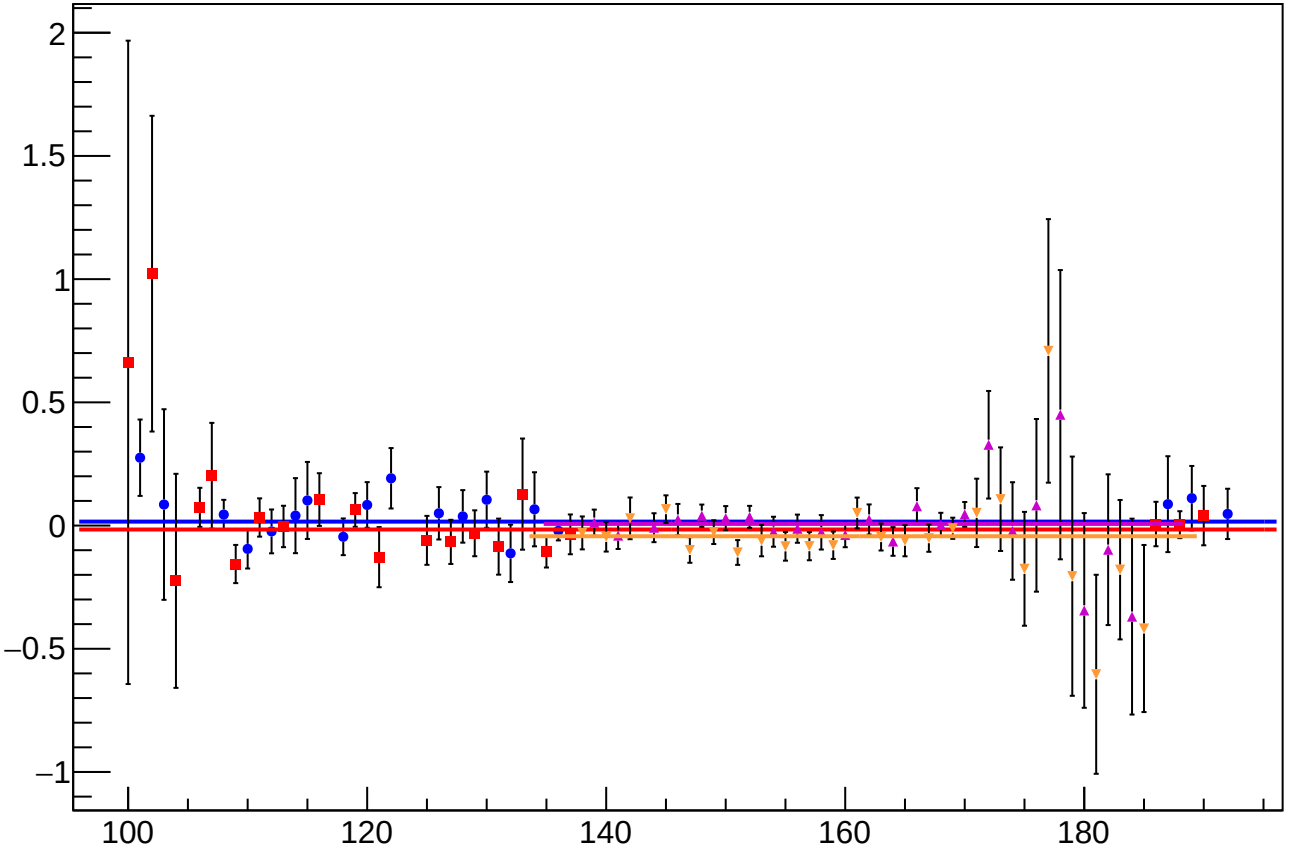
Right: 0.004+/-0.000 χ^2/NDF: 7431103.2/39

In: 0.002+/-0.000 χ^2/NDF:14620836.7/41

Out: 0.002+/-0.000 χ^2/NDF:16211635.8/44

All: 0.002+/-0.000 χ^2/NDF: 30866504.3/86

asym_us_dd_atlr_dd_avg_eigen_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: -0.016+/-0.020 χ^2/NDF: 16.4/20

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

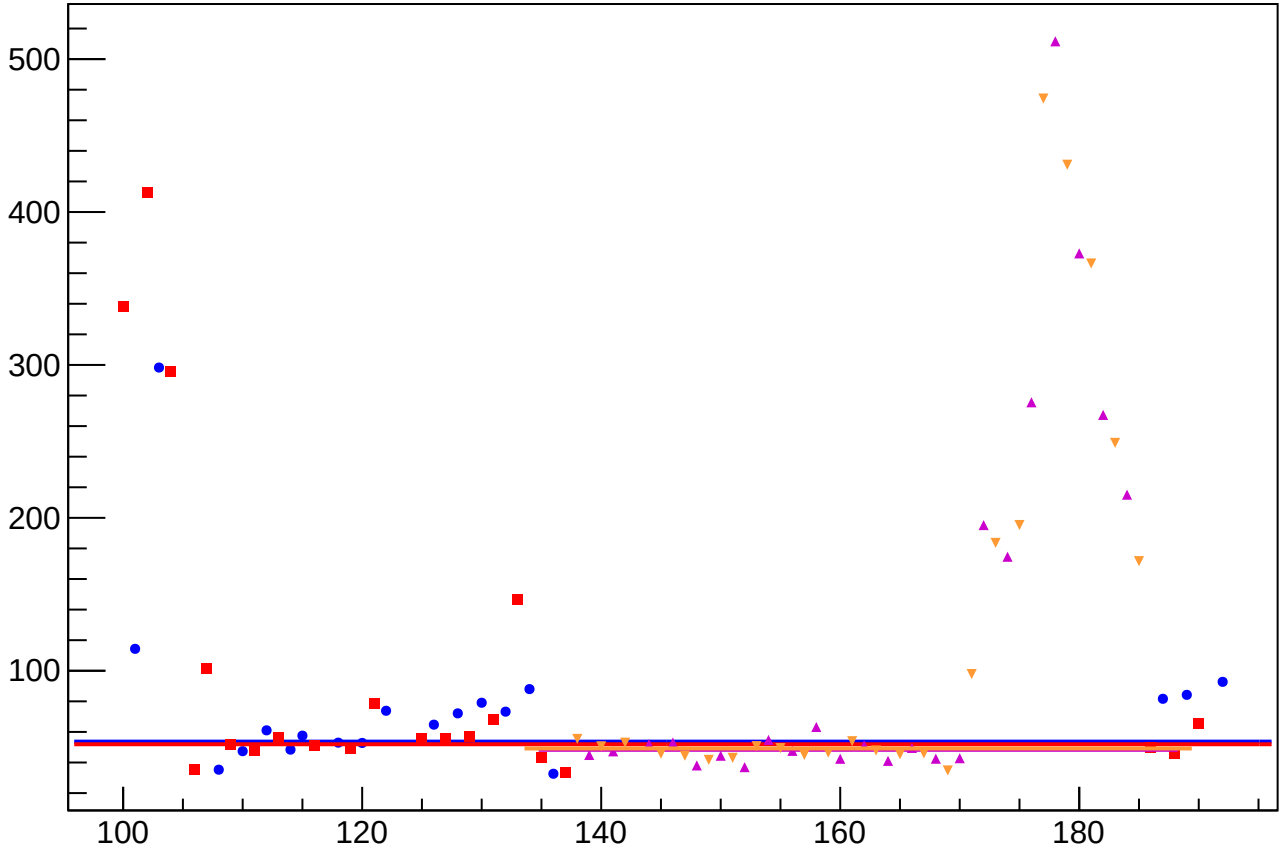
Right: -0.000+/-0.015 χ^2/NDF: 30.2/39

In: 0.009+/-0.011 χ^2/NDF:24.0/41

Out: -0.035+/-0.011 χ^2/NDF:36.5/44

All: -0.012+/-0.008 χ^2/NDF: 67.9/86

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: 51.943+/-0.014 χ^2/NDF: 2266154.3/20

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

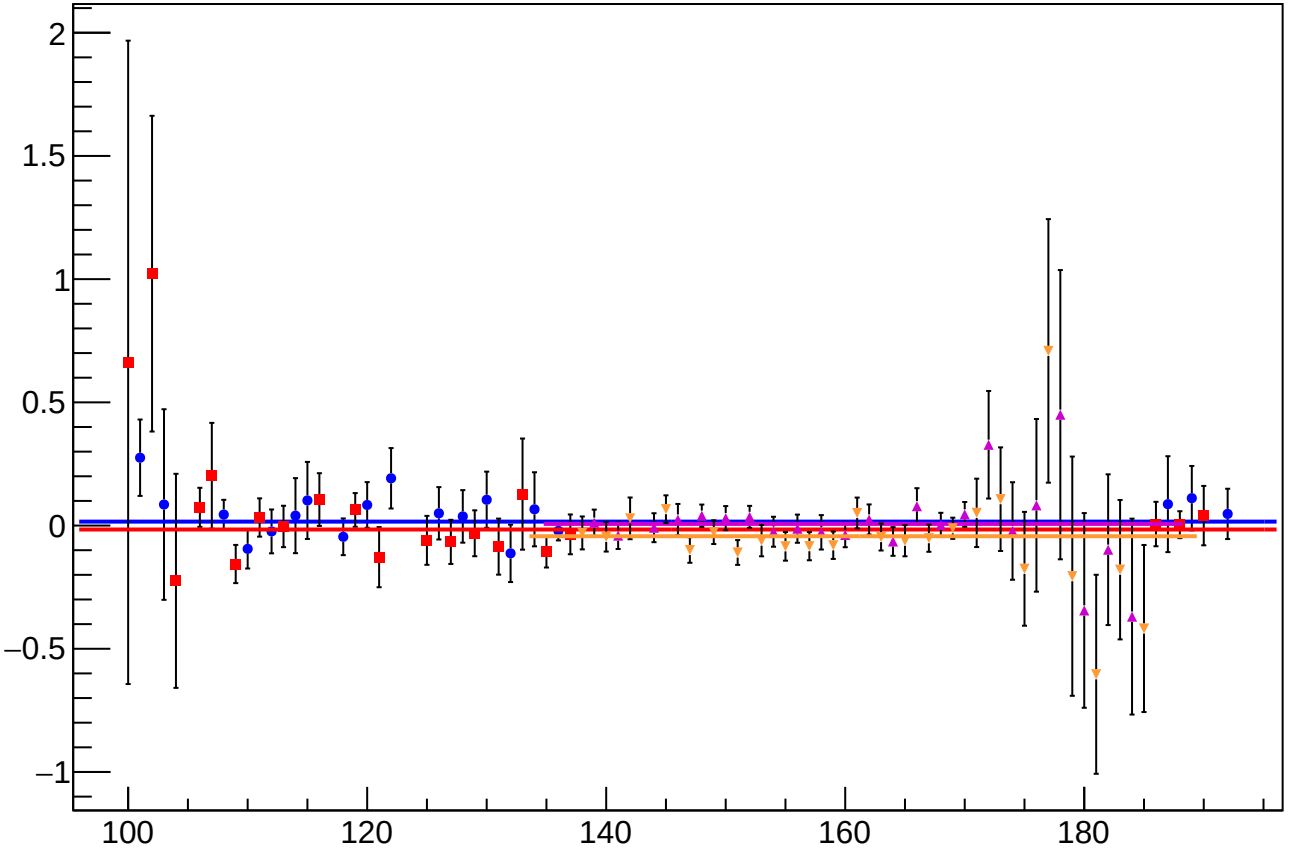
Right: 52.774+/-0.010 χ^2/NDF: 5021632.5/39

In: 49.875+/-0.008 χ^2/NDF:9880930.5/41

Out: 50.055+/-0.008 χ^2/NDF:9541284.5/44

All: 49.964+/-0.006 χ^2/NDF: 19422463.0/86

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: -0.016+/-0.020 χ^2/NDF: 16.4/20

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

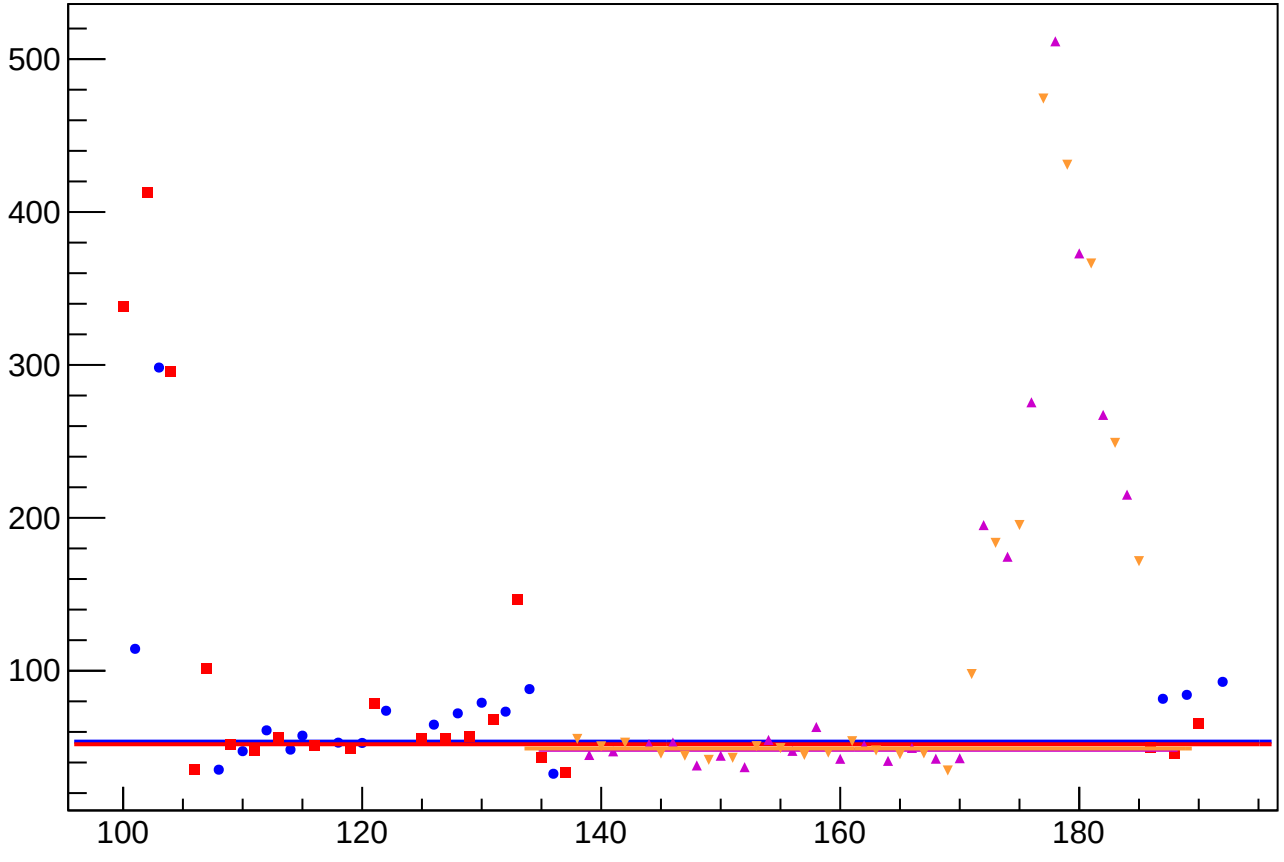
Right: -0.000+/-0.015 χ^2/NDF: 30.2/39

In: 0.009+/-0.011 χ^2/NDF:24.0/41

Out: -0.035+/-0.011 χ^2/NDF:36.5/44

All: -0.012+/-0.008 χ^2/NDF: 67.9/86

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: 51.943+/-0.014 χ^2/NDF: 2266154.3/20

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

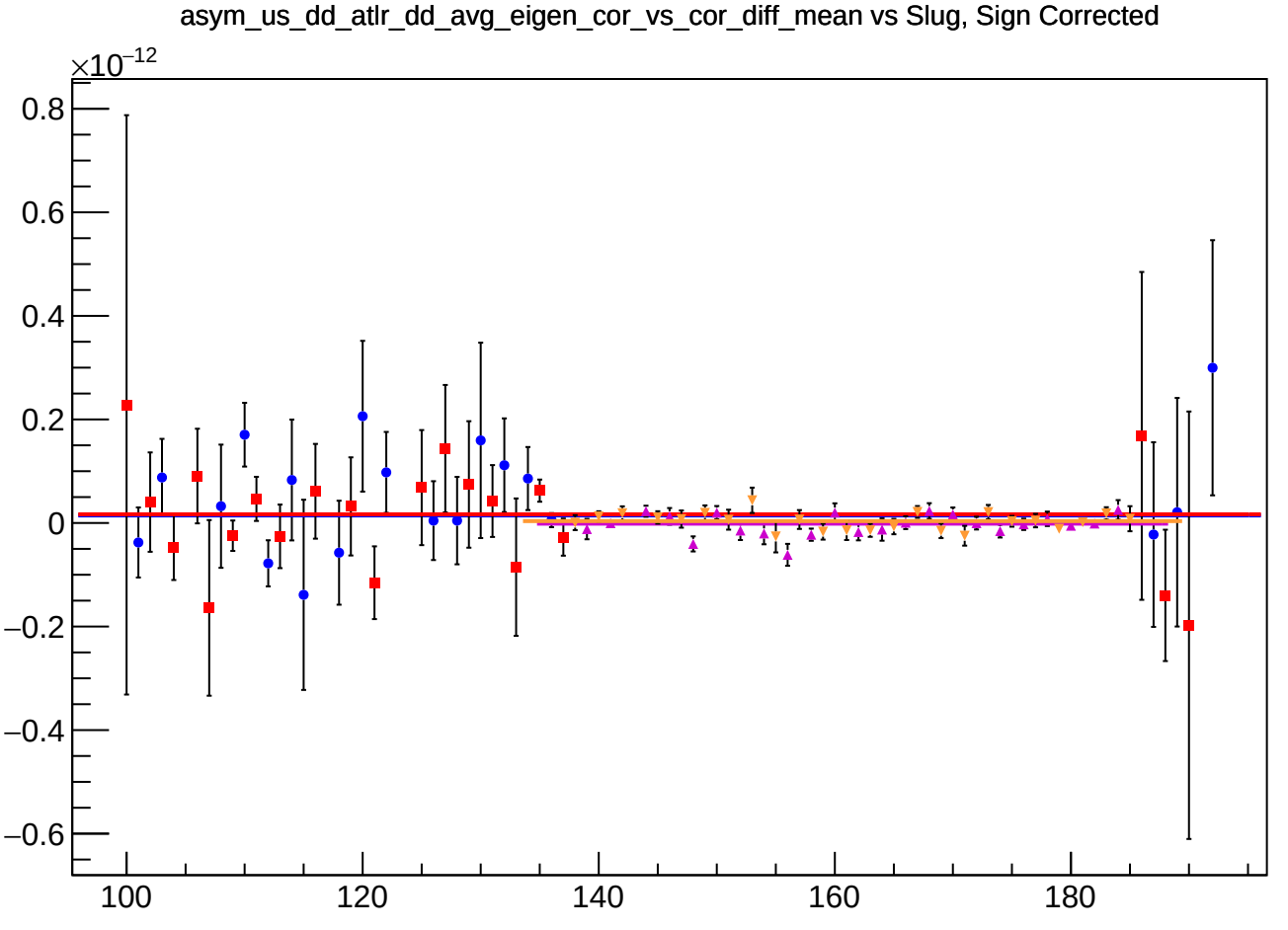
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

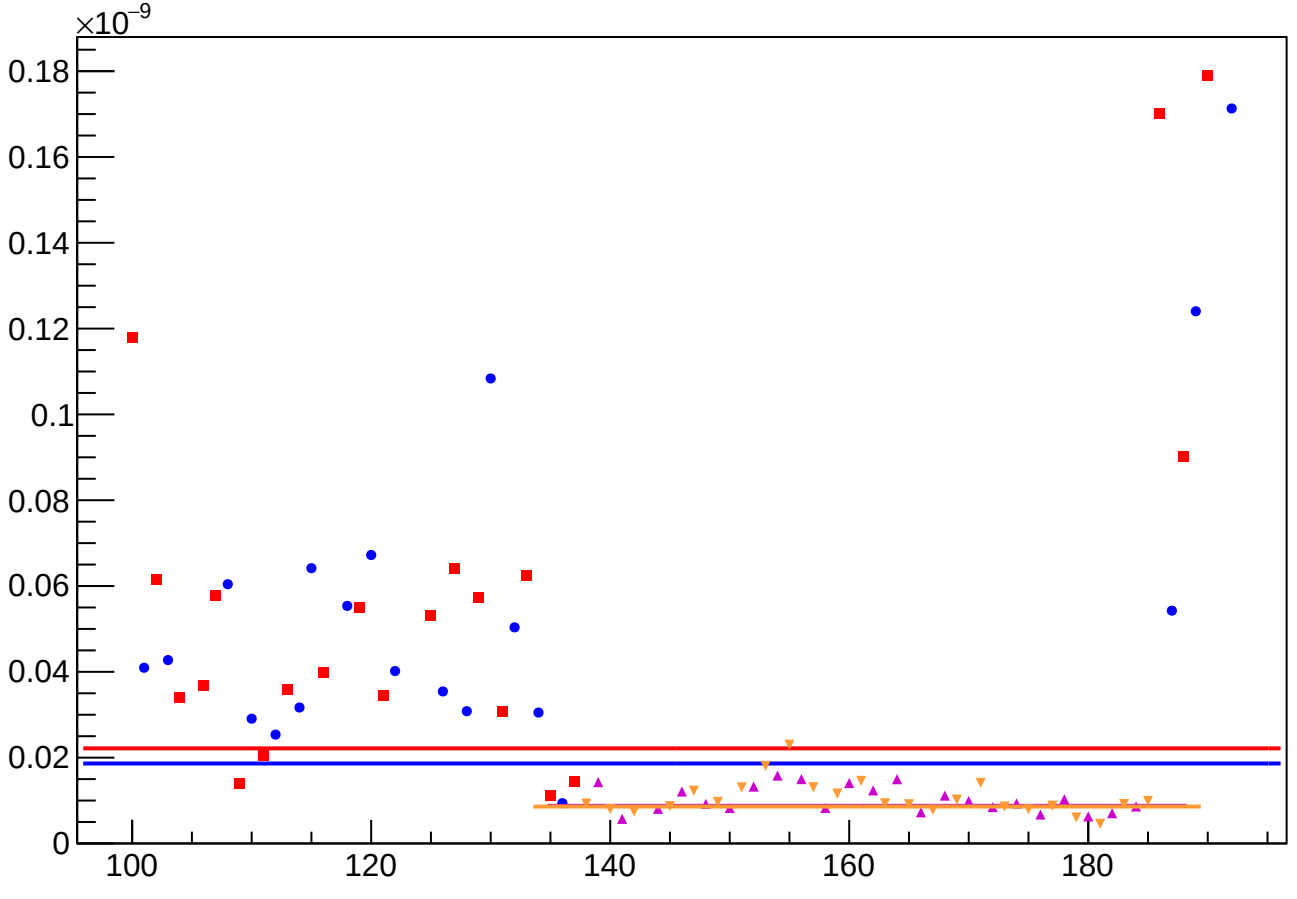
Right: 52.774+/-0.010 χ^2/NDF: 5021632.5/39

In: 49.875+/-0.008 χ^2/NDF:9880930.5/41

Out: 50.055+/-0.008 χ^2/NDF:9541284.5/44

All: 49.964+/-0.006 χ^2/NDF: 19422463.0/86


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 21.7/18
Left Out: 0.000+/-0.000 χ²/NDF:24.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/20
Left In: -0.000+/-0.000 χ²/NDF:40.0/22
Left: 0.000+/-0.000 χ²/NDF: 66.3/46
Right: 0.000+/-0.000 χ²/NDF: 41.8/39
In: -0.000+/-0.000 χ²/NDF:63.6/41
Out: 0.000+/-0.000 χ²/NDF:45.7/44
All: 0.000+/-0.000 χ²/NDF: 110.9/86



Right In: 0.000+/-0.000 χ^2/NDF: 4710901.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3935418.8/20

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

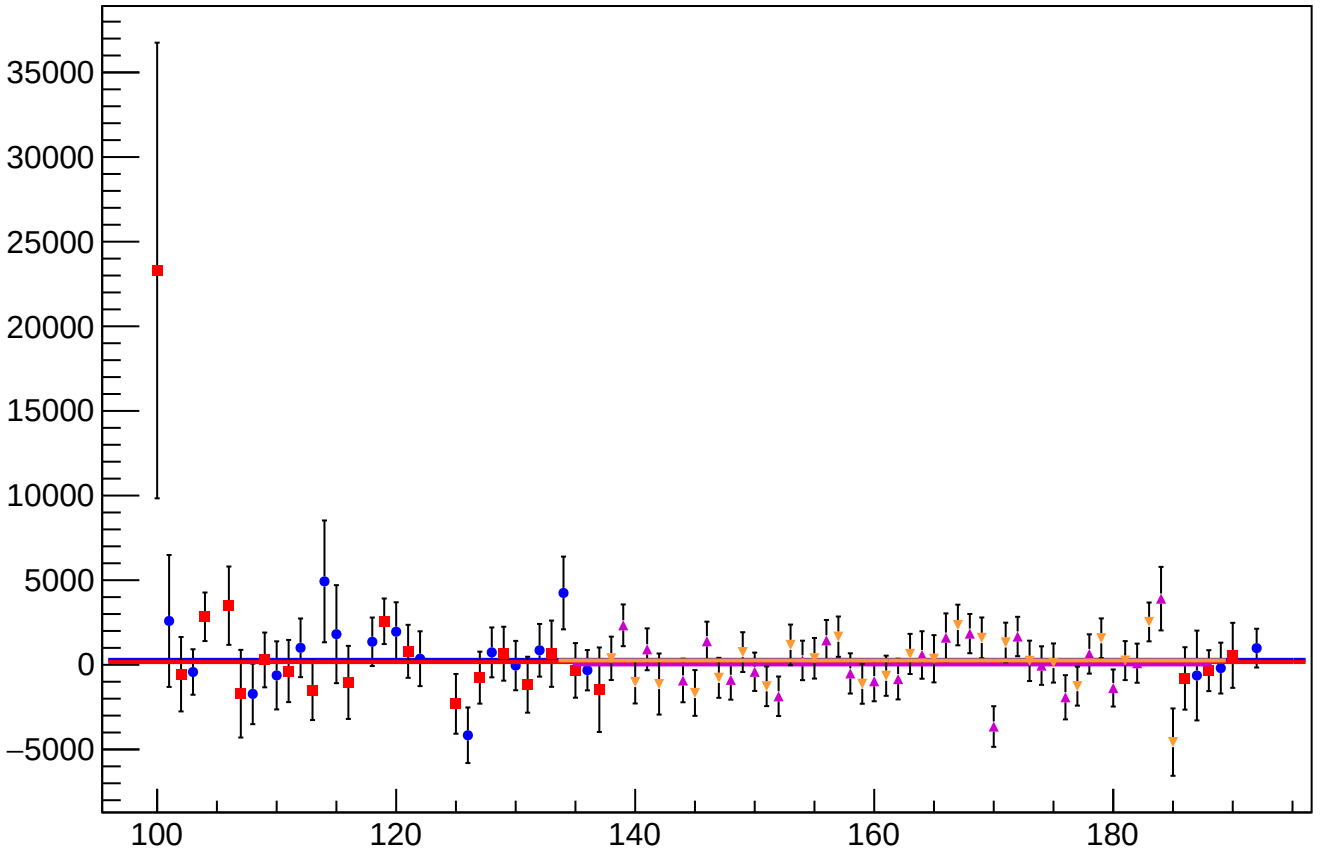
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 8734428.2/39

In: 0.000+/-0.000 χ^2/NDF:8116368.9/41

Out: 0.000+/-0.000 χ^2/NDF:8701076.8/44

All: 0.000+/-0.000 χ^2/NDF: 16819006.5/86



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: 161.239+/-384.470 χ^2/NDF: 17.9/20

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

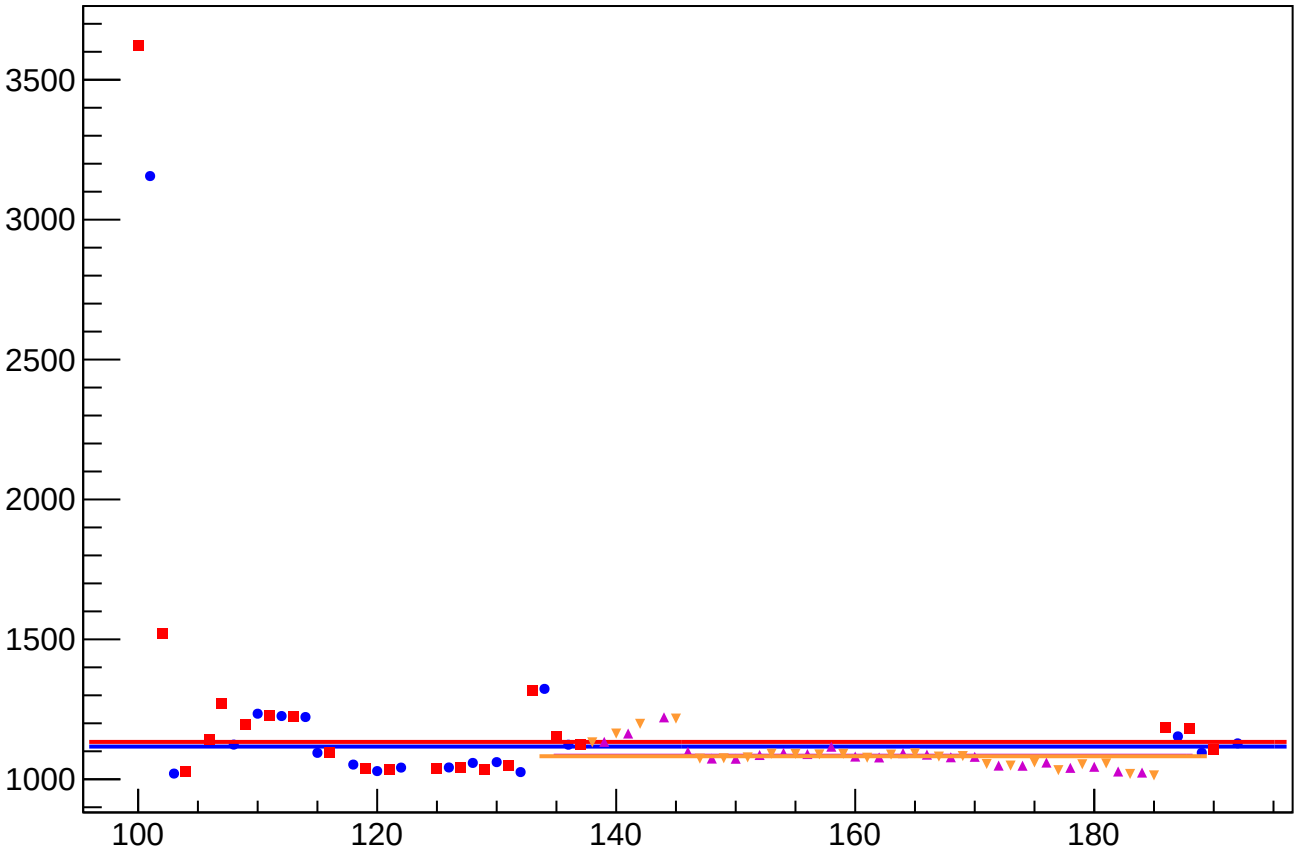
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 227.980+/-270.585 χ^2/NDF: 35.5/39

In: 105.519+/-210.936 χ^2/NDF:53.7/41

Out: 230.875+/-210.411 χ^2/NDF:46.2/44

All: 168.353+/-148.968 χ^2/NDF: 100.1/86



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: 1133.526+/-0.272 χ^2/NDF: 228040.5/20

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

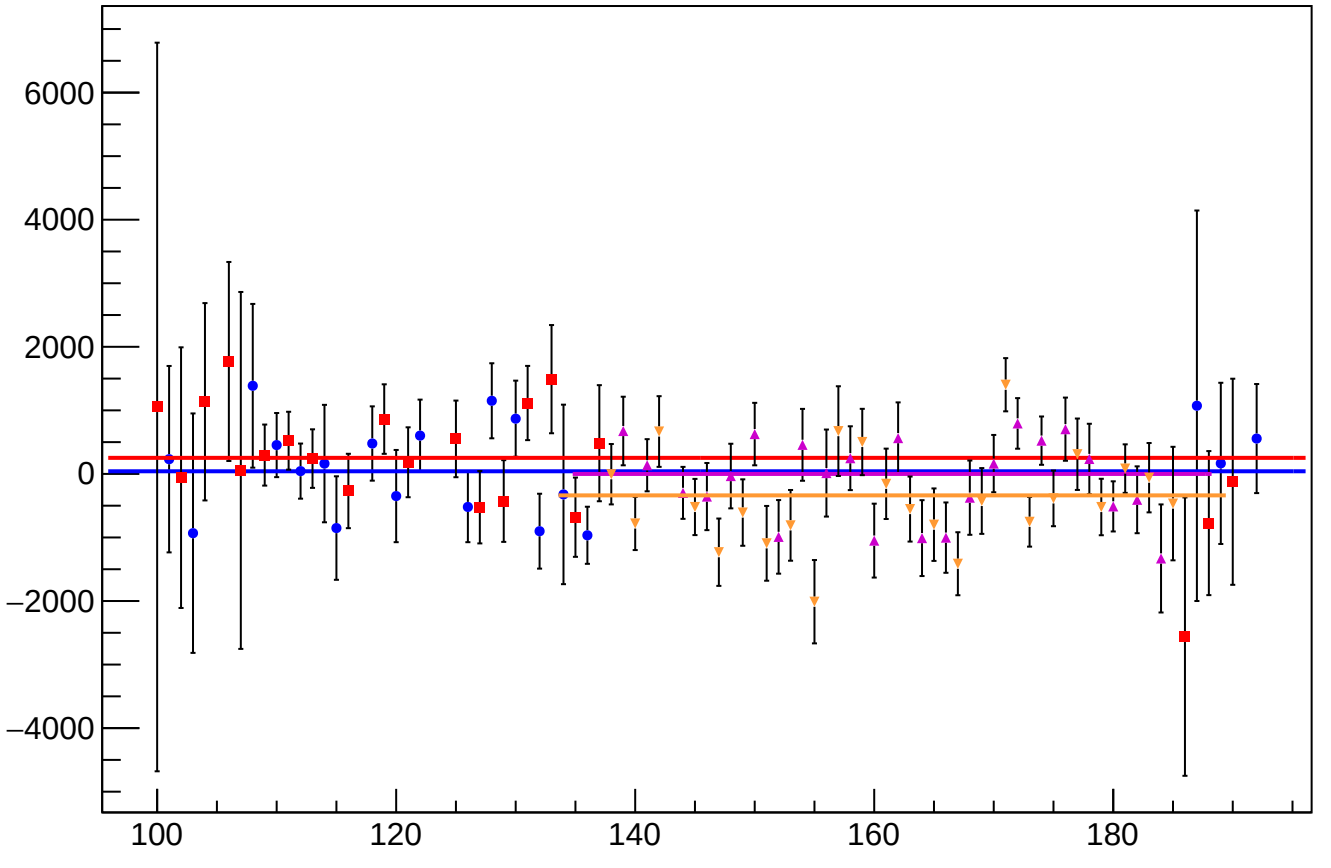
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

Right: 1125.102+/-0.191 χ^2/NDF: 854352.9/39

In: 1094.185+/-0.149 χ^2/NDF:688048.4/41

Out: 1097.648+/-0.149 χ^2/NDF:310777.0/44

All: 1095.921+/-0.105 χ^2/NDF: 999095.6/86



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: 252.645+/-153.647 χ^2/NDF: 16.1/20

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

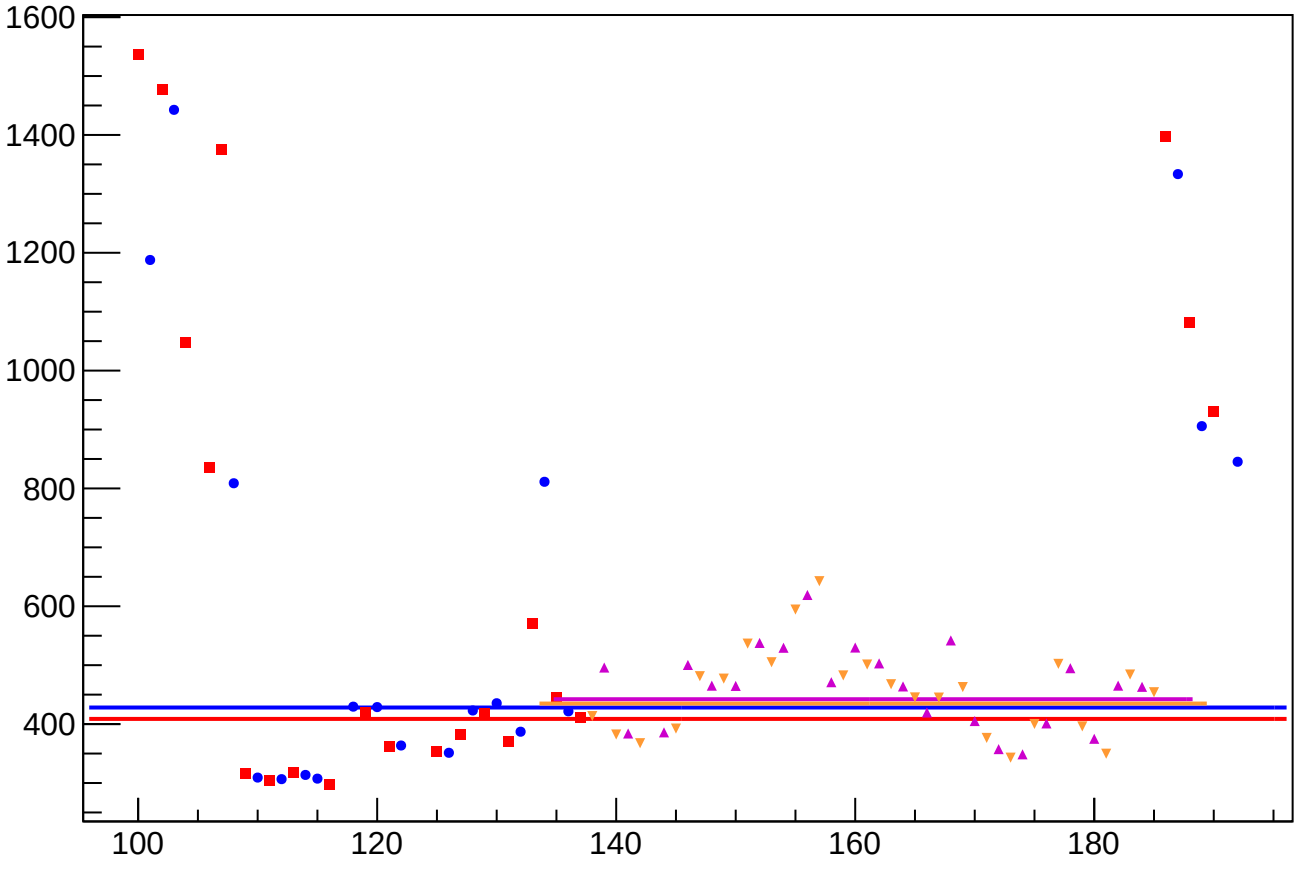
Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

Right: 149.370+/-109.823 χ^2/NDF: 36.7/39

In: 12.395+/-87.132 χ^2/NDF:51.6/41

Out: -155.657+/-85.326 χ^2/NDF:75.1/44

All: -73.391+/-60.963 χ^2/NDF: 128.6/86



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: 408.794+/-0.109 χ^2/NDF: 3120510.4/20

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

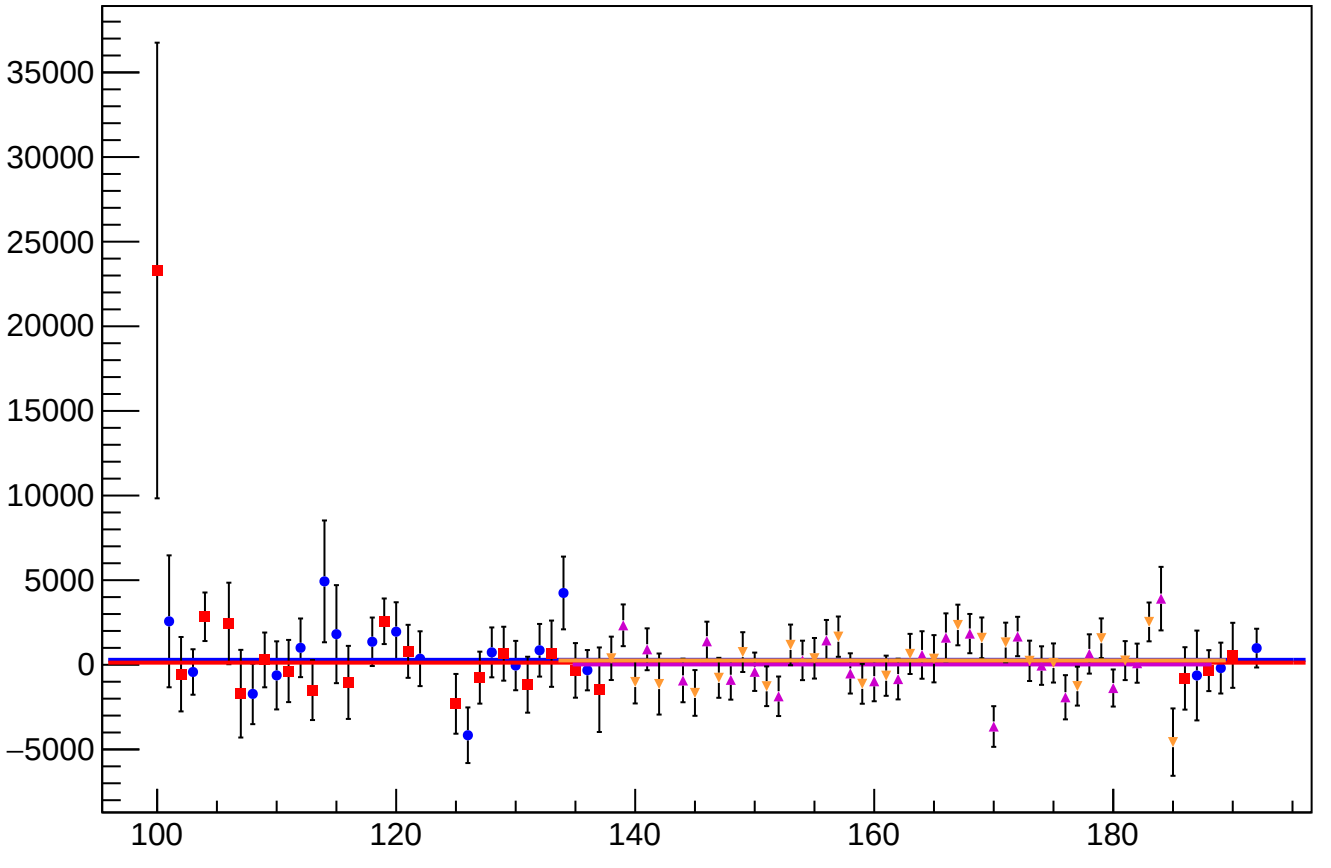
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 418.254+/-0.078 χ^2/NDF: 5922300.8/39

In: 437.876+/-0.062 χ^2/NDF:3623377.9/41

Out: 426.820+/-0.060 χ^2/NDF:4038731.4/44

All: 432.232+/-0.043 χ^2/NDF: 7678546.7/86



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: 127.271+/-384.880 χ^2/NDF: 16.7/20

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

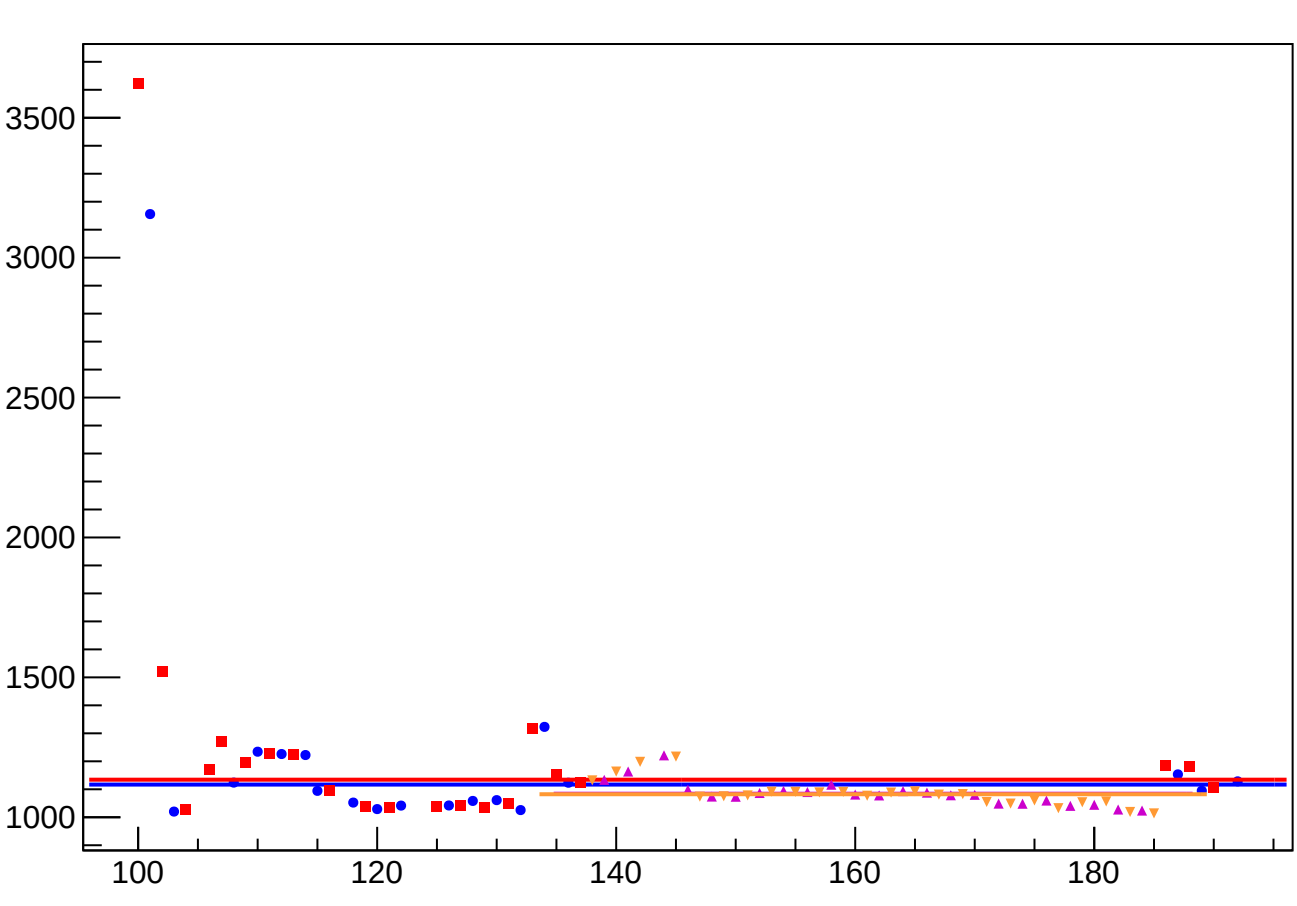
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 211.100+/-270.728 χ^2/NDF: 34.4/39

In: 105.427+/-210.936 χ^2/NDF:53.7/41

Out: 220.754+/-210.478 χ^2/NDF:45.0/44

All: 163.216+/-148.992 χ^2/NDF: 98.9/86



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: 1134.312+/-0.272 χ^2/NDF: 228518.4/20

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

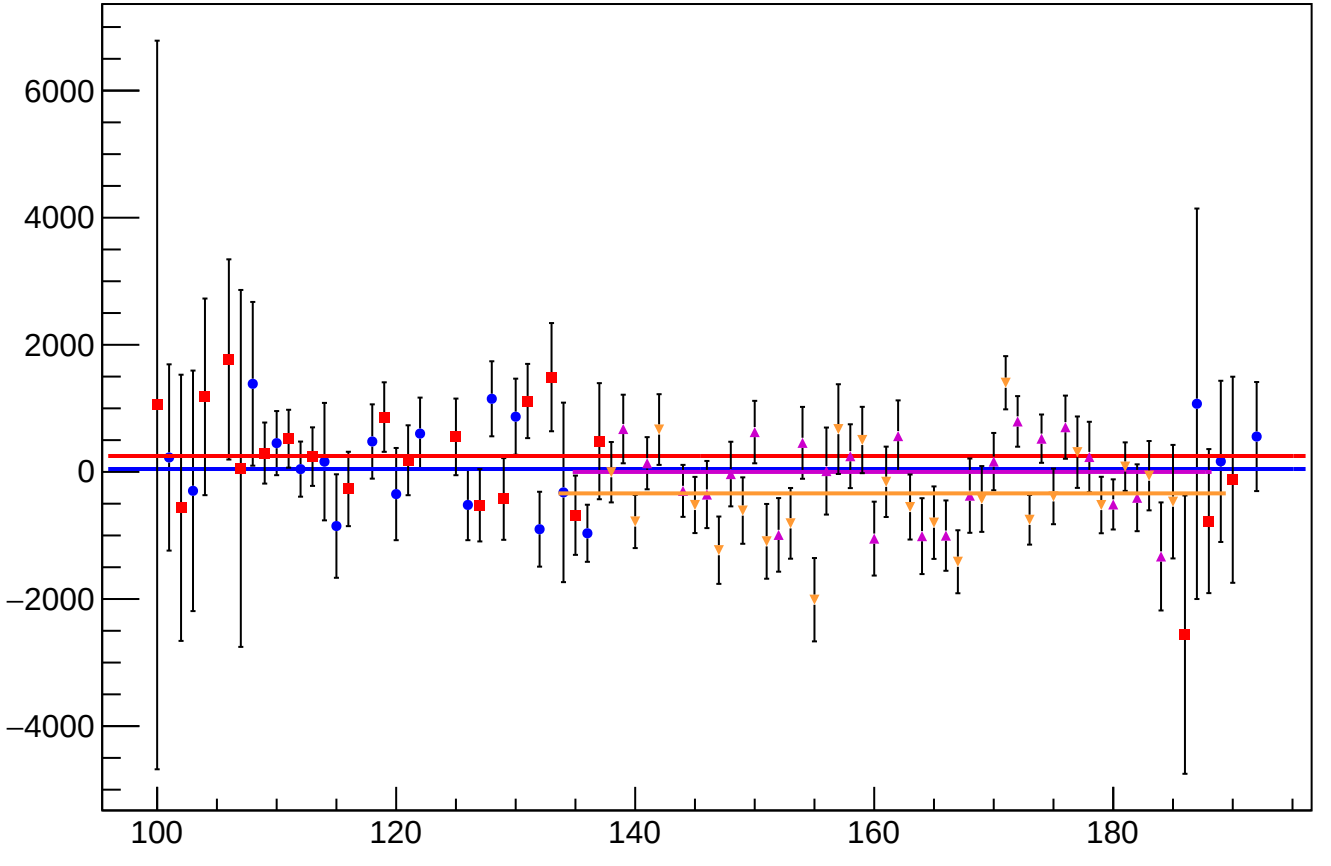
Right: 1125.482+/-0.191 χ^2/NDF: 855013.0/39

In: 1094.185+/-0.149 χ^2/NDF:688049.3/41

Out: 1097.860+/-0.149 χ^2/NDF:311985.5/44

All: 1096.027+/-0.105 χ^2/NDF: 1000339.0/86

asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



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: 250.379+/-153.669 χ^2/NDF: 16.2/20

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

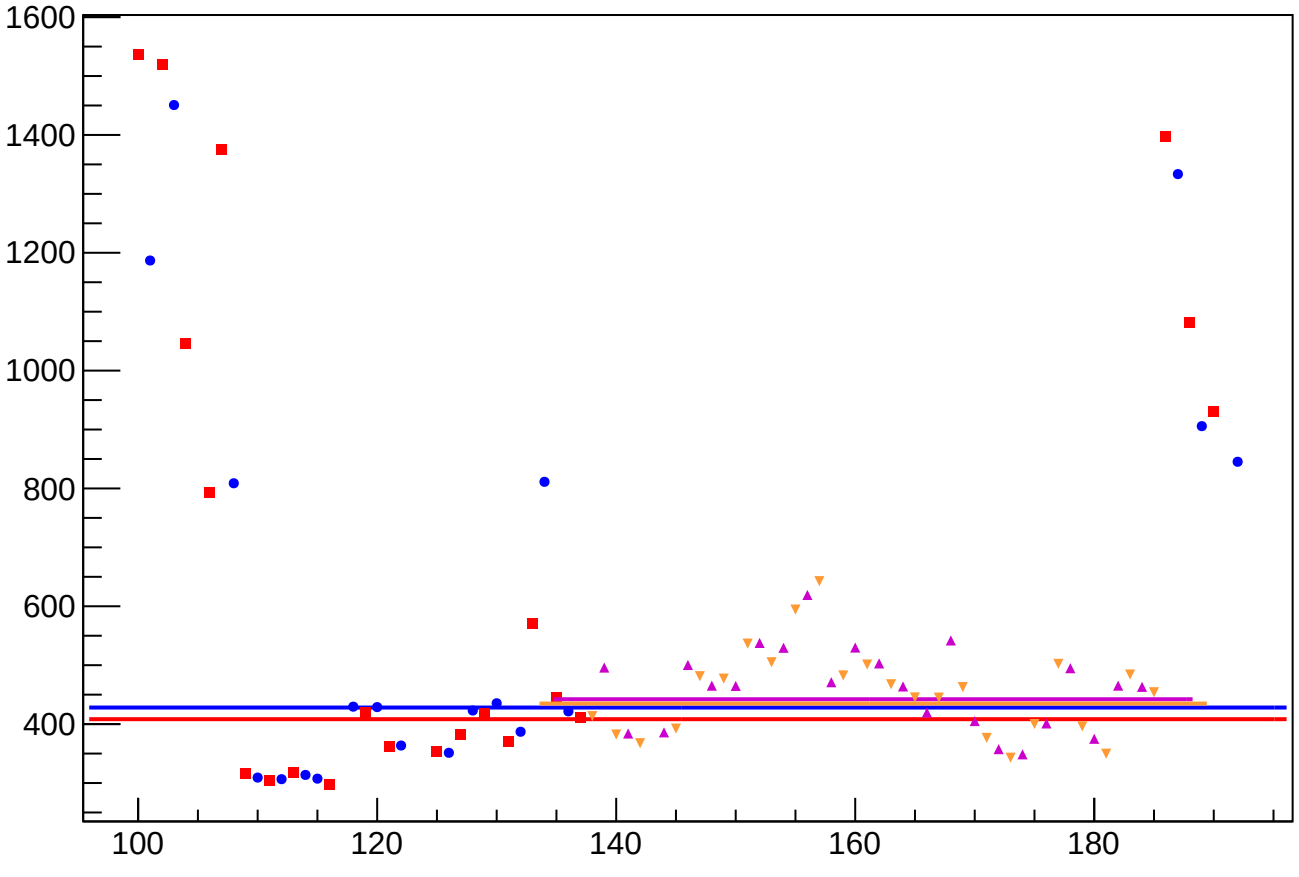
Right: 150.268+/-109.832 χ^2/NDF: 36.6/39

In: 13.683+/-87.132 χ^2/NDF:51.4/41

Out: -156.455+/-85.329 χ^2/NDF:75.2/44

All: -73.164+/-60.964 χ^2/NDF: 128.5/86

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: 408.351+/-0.109 χ^2/NDF: 3110260.7/20

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

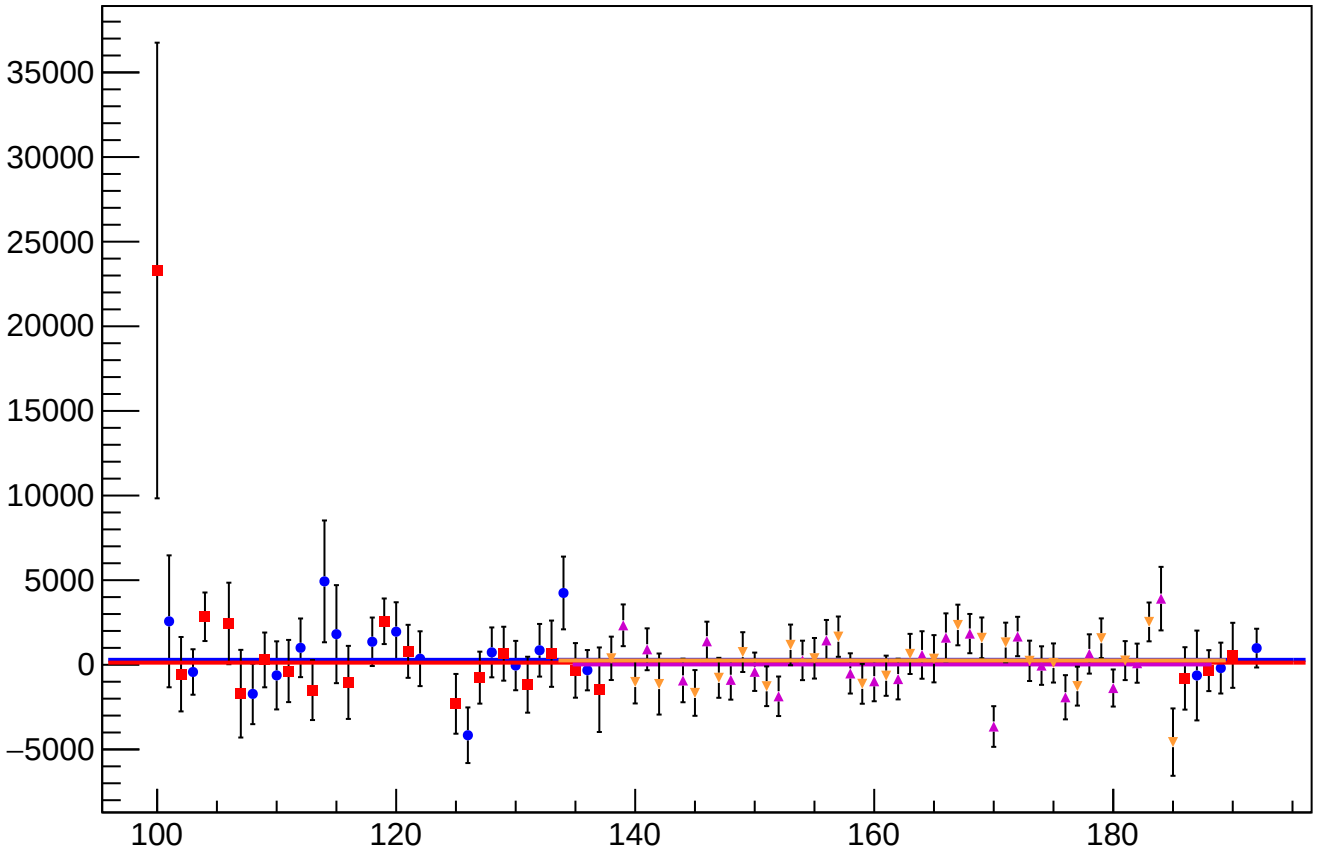
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 418.024+/-0.078 χ^2/NDF: 5916476.5/39

In: 437.873+/-0.062 χ^2/NDF:3626996.7/41

Out: 426.683+/-0.060 χ^2/NDF:4029921.2/44

All: 432.162+/-0.043 χ^2/NDF: 7673755.8/86



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: 127.271+/-384.880 χ^2/NDF: 16.7/20

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

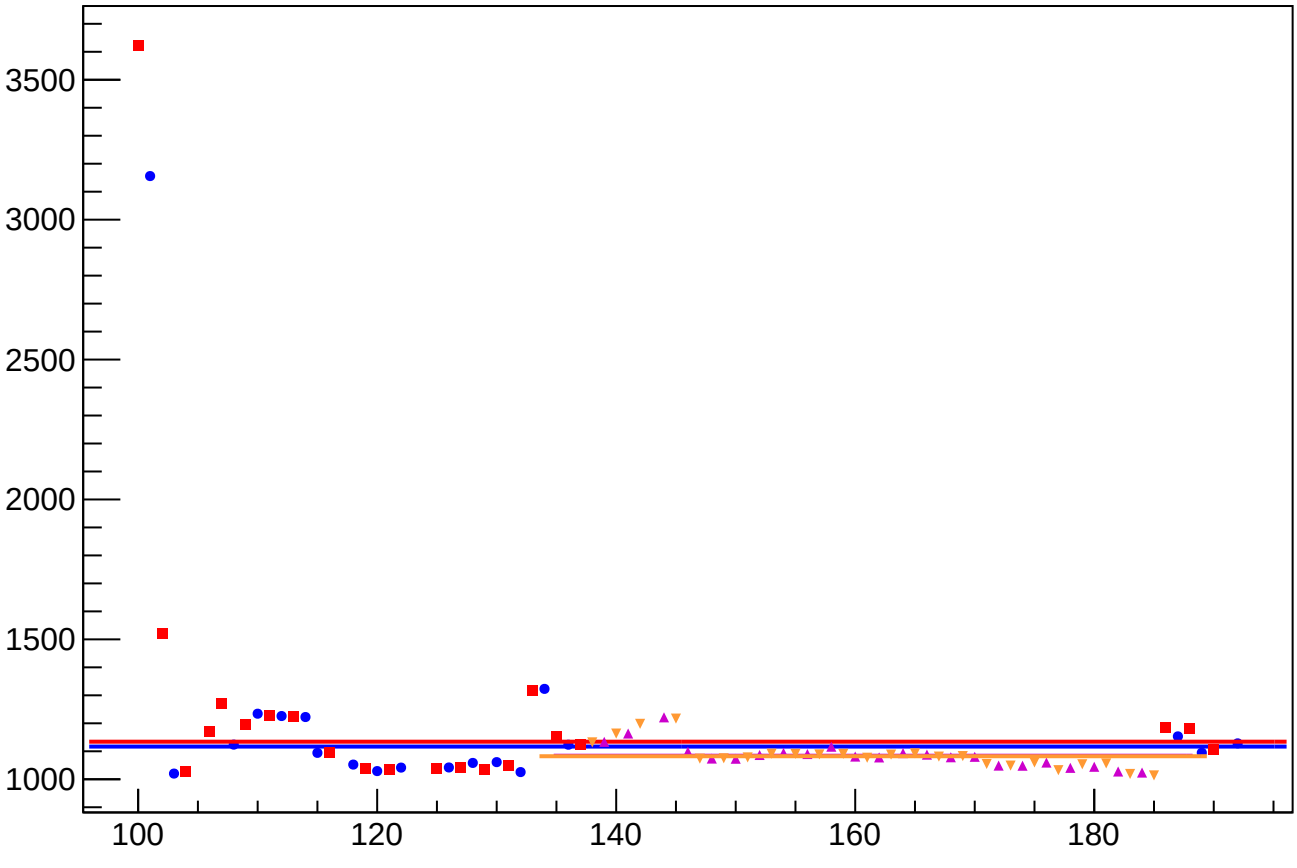
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 211.100+/-270.728 χ^2/NDF: 34.4/39

In: 105.427+/-210.936 χ^2/NDF:53.7/41

Out: 220.754+/-210.478 χ^2/NDF:45.0/44

All: 163.216+/-148.992 χ^2/NDF: 98.9/86



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: 1134.312+/-0.272 χ^2/NDF: 228518.4/20

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

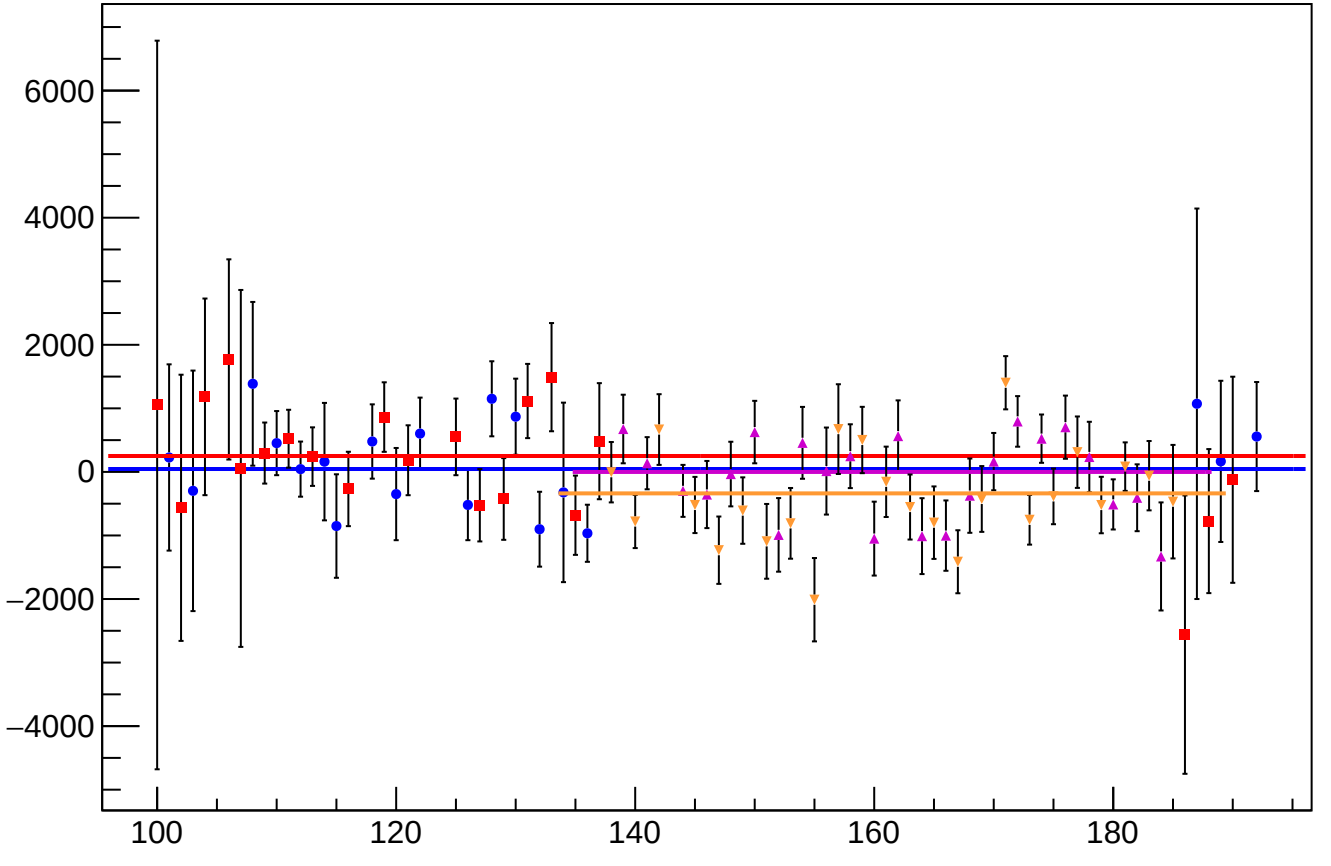
Right: 1125.482+/-0.191 χ^2/NDF: 855013.0/39

In: 1094.185+/-0.149 χ^2/NDF:688049.3/41

Out: 1097.860+/-0.149 χ^2/NDF:311985.5/44

All: 1096.027+/-0.105 χ^2/NDF: 1000339.0/86

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 250.379+/-153.669 χ^2/NDF: 16.2/20

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

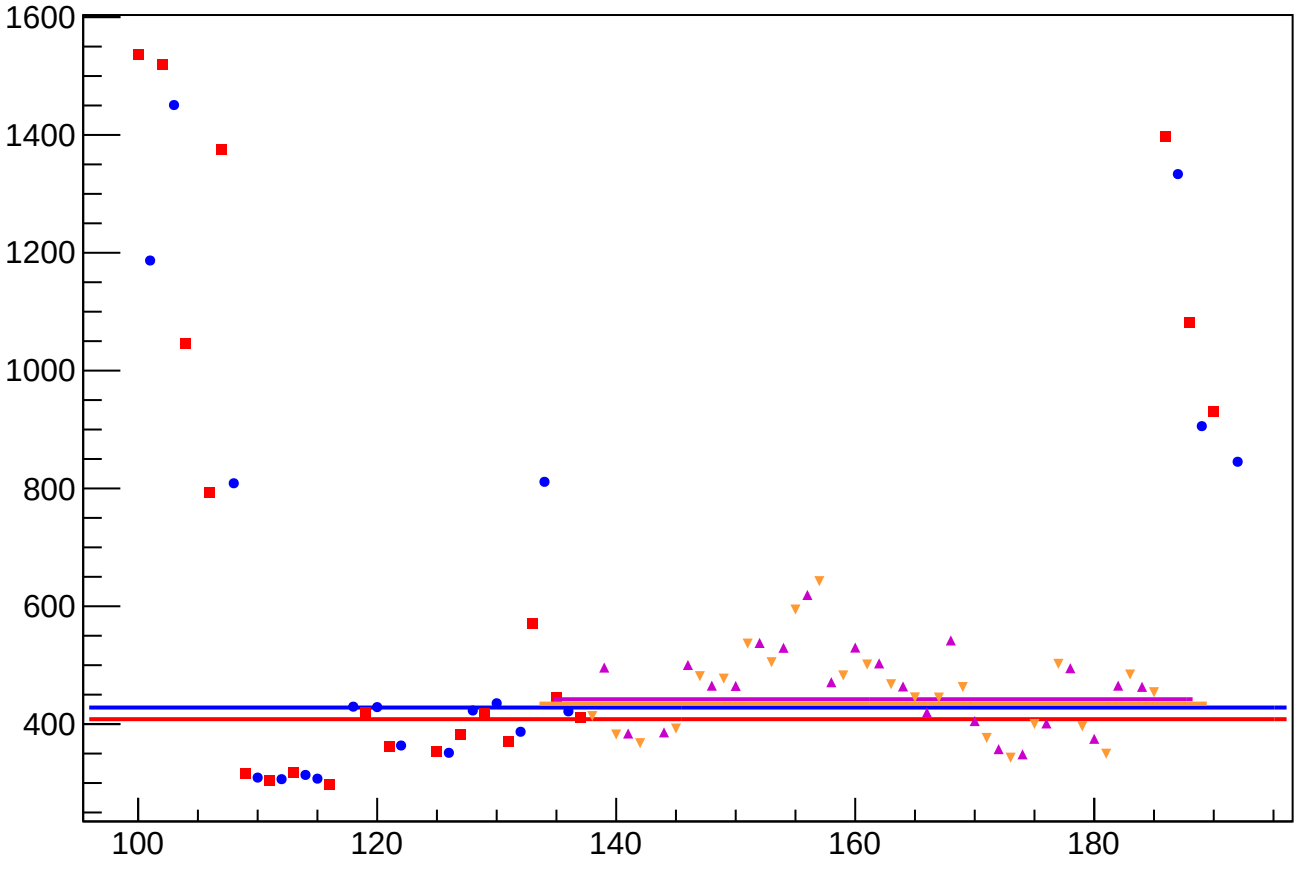
Right: 150.268+/-109.832 χ^2/NDF: 36.6/39

In: 13.683+/-87.132 χ^2/NDF:51.4/41

Out: -156.455+/-85.329 χ^2/NDF:75.2/44

All: -73.164+/-60.964 χ^2/NDF: 128.5/86

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: 408.351+/-0.109 χ^2/NDF: 3110260.7/20

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

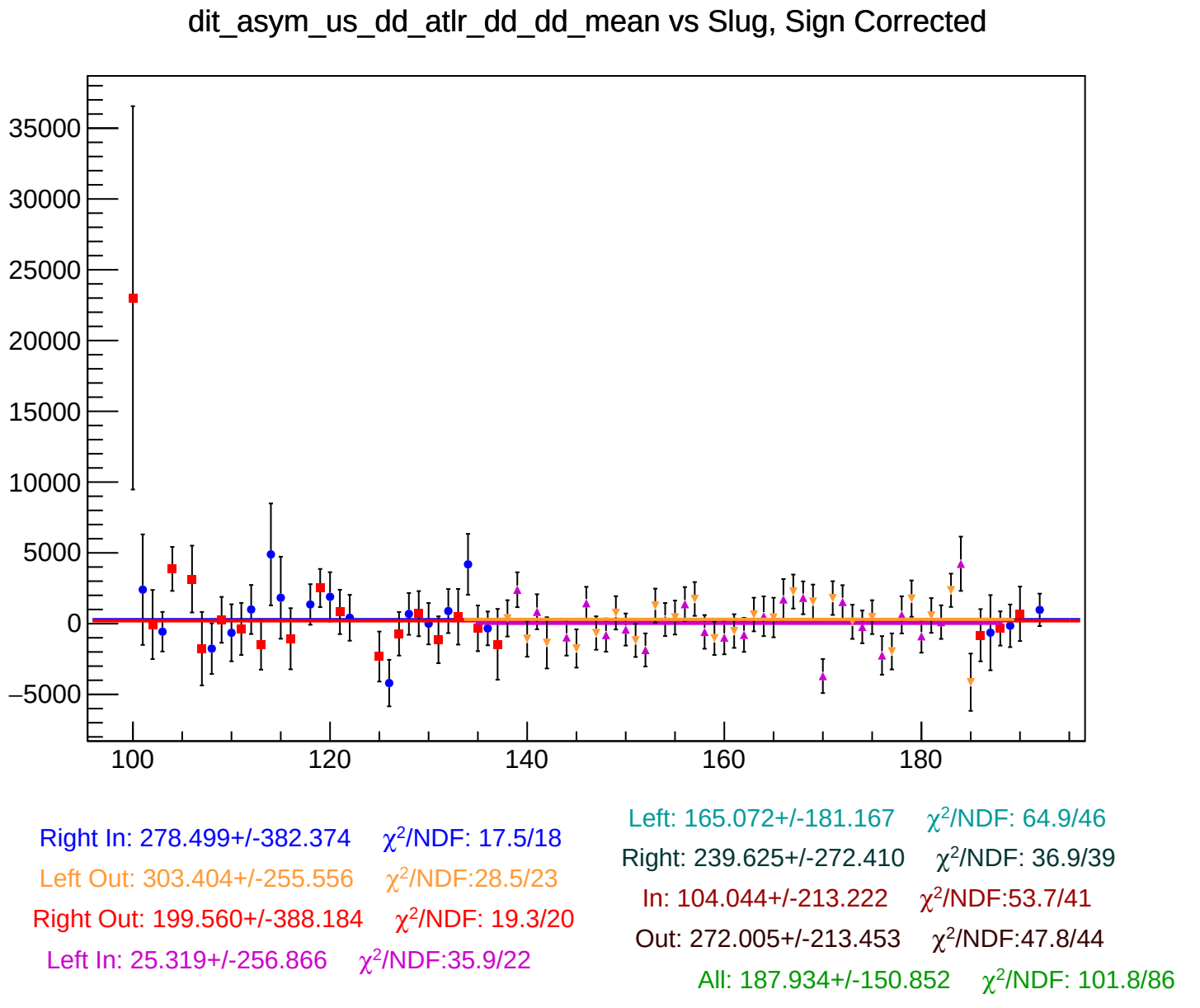
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

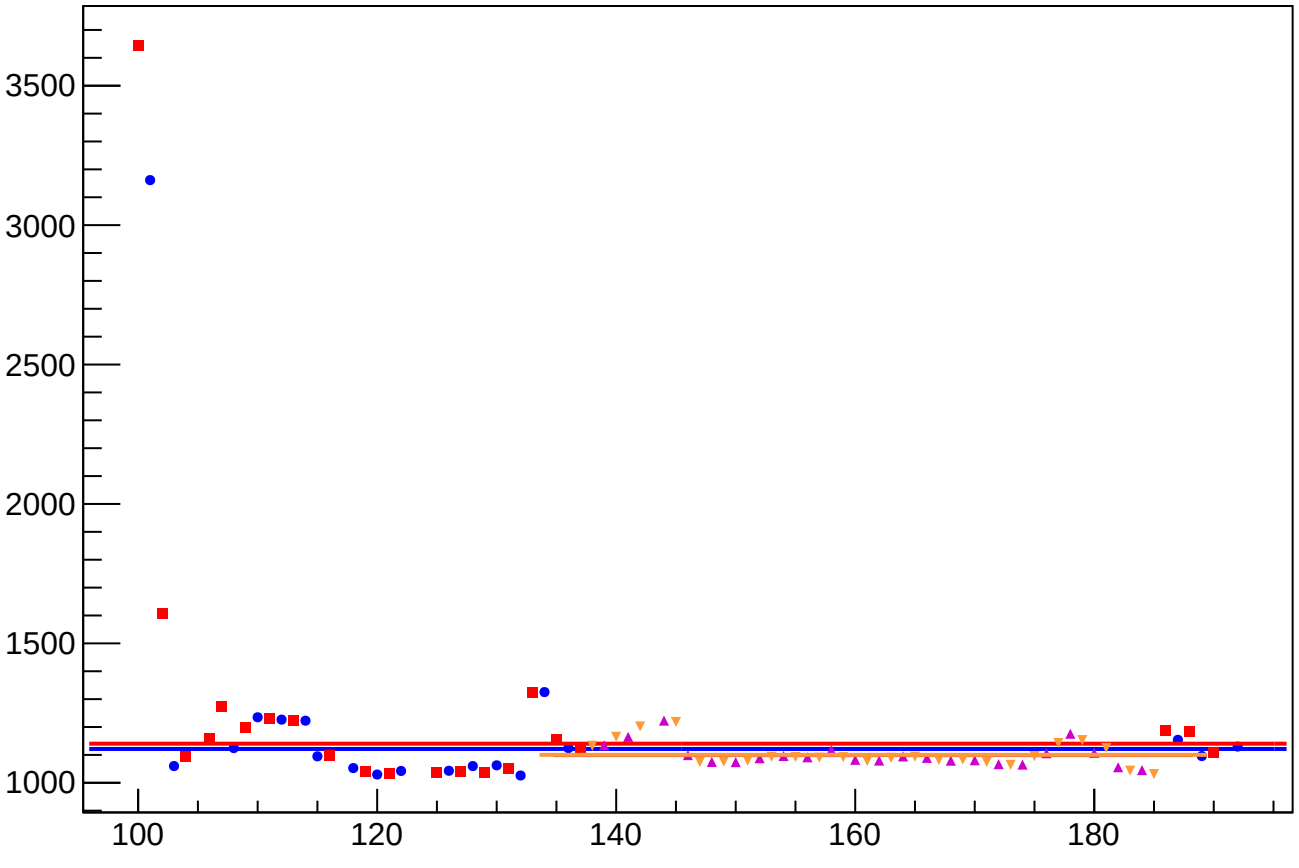
Right: 418.024+/-0.078 χ^2/NDF: 5916476.5/39

In: 437.873+/-0.062 χ^2/NDF:3626996.7/41

Out: 426.683+/-0.060 χ^2/NDF:4029921.2/44

All: 432.162+/-0.043 χ^2/NDF: 7673755.8/86


dit_asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
Right In: 278.499+/-382.374 χ²/NDF: 17.5/18
Left Out: 303.404+/-255.556 χ²/NDF:28.5/23
Right Out: 199.560+/-388.184 χ²/NDF: 19.3/20
Left In: 25.319+/-256.866 χ²/NDF:35.9/22
Left: 165.072+/-181.167 χ²/NDF: 64.9/46
Right: 239.625+/-272.410 χ²/NDF: 36.9/39
In: 104.044+/-213.222 χ²/NDF:53.7/41
Out: 272.005+/-213.453 χ²/NDF:47.8/44
All: 187.934+/-150.852 χ²/NDF: 101.8/86



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: 1140.265+/-0.274 χ^2/NDF: 232249.5/20

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

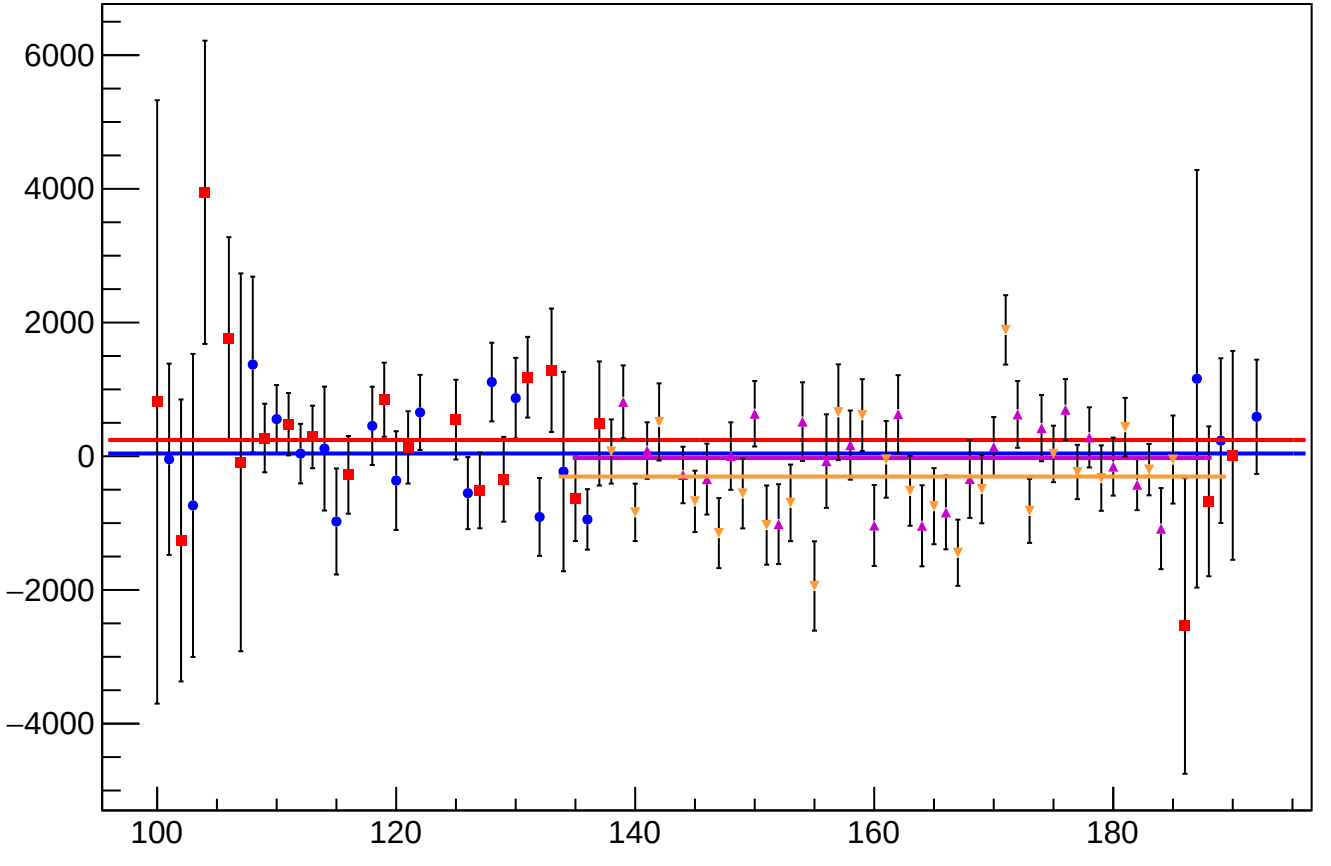
Right: 1130.638+/-0.193 χ^2/NDF: 852688.9/39

In: 1106.169+/-0.151 χ^2/NDF:667344.4/41

Out: 1112.355+/-0.151 χ^2/NDF:295843.9/44

All: 1109.258+/-0.107 χ^2/NDF: 964029.2/86

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: 243.115+/-156.075 χ^2/NDF: 17.4/20

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

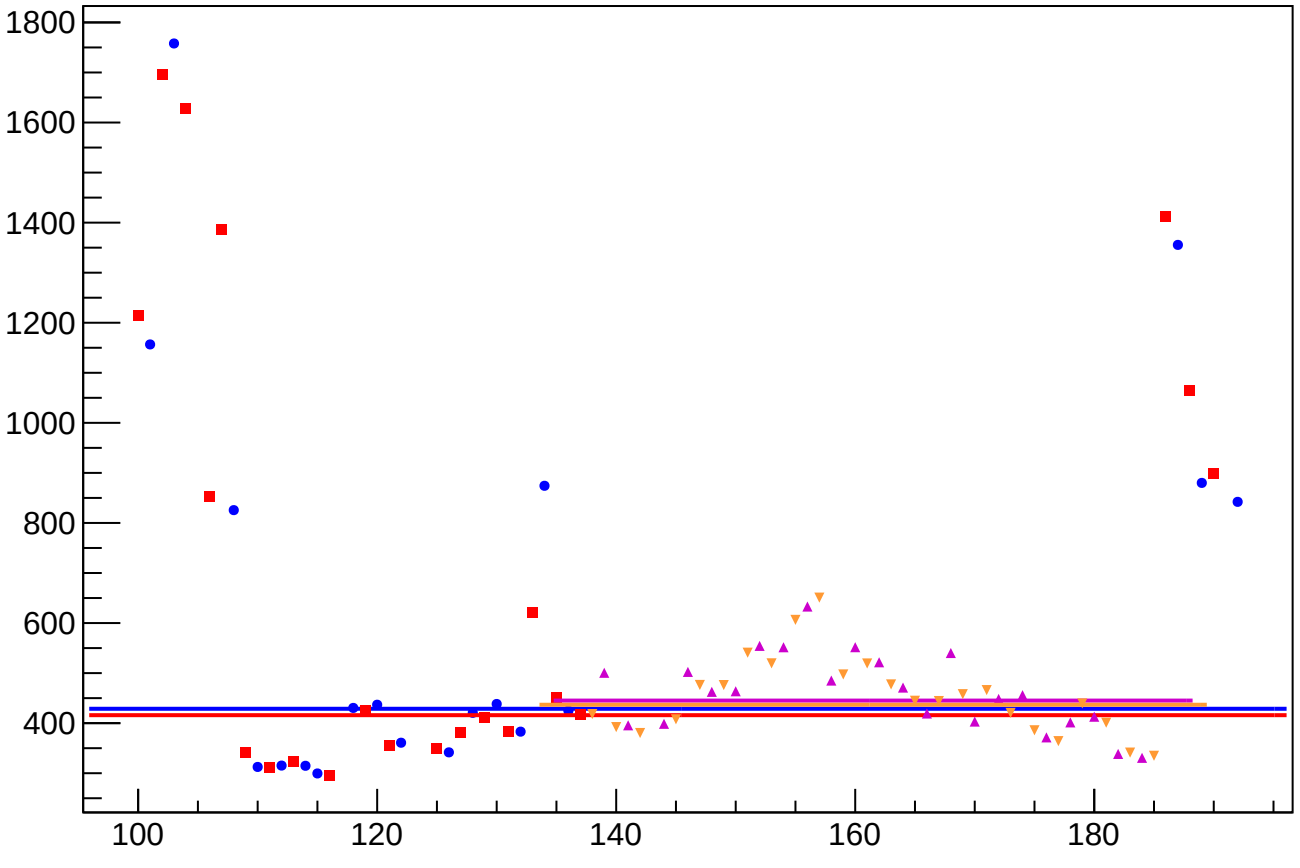
Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

Right: 143.129+/-110.867 χ^2/NDF: 38.4/39

In: -5.693+/-87.609 χ^2/NDF:48.2/41

Out: -137.513+/-85.955 χ^2/NDF:75.5/44

All: -72.859+/-61.356 χ^2/NDF: 124.8/86



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: 415.951+/-0.110 χ^2/NDF: 3509998.6/20

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

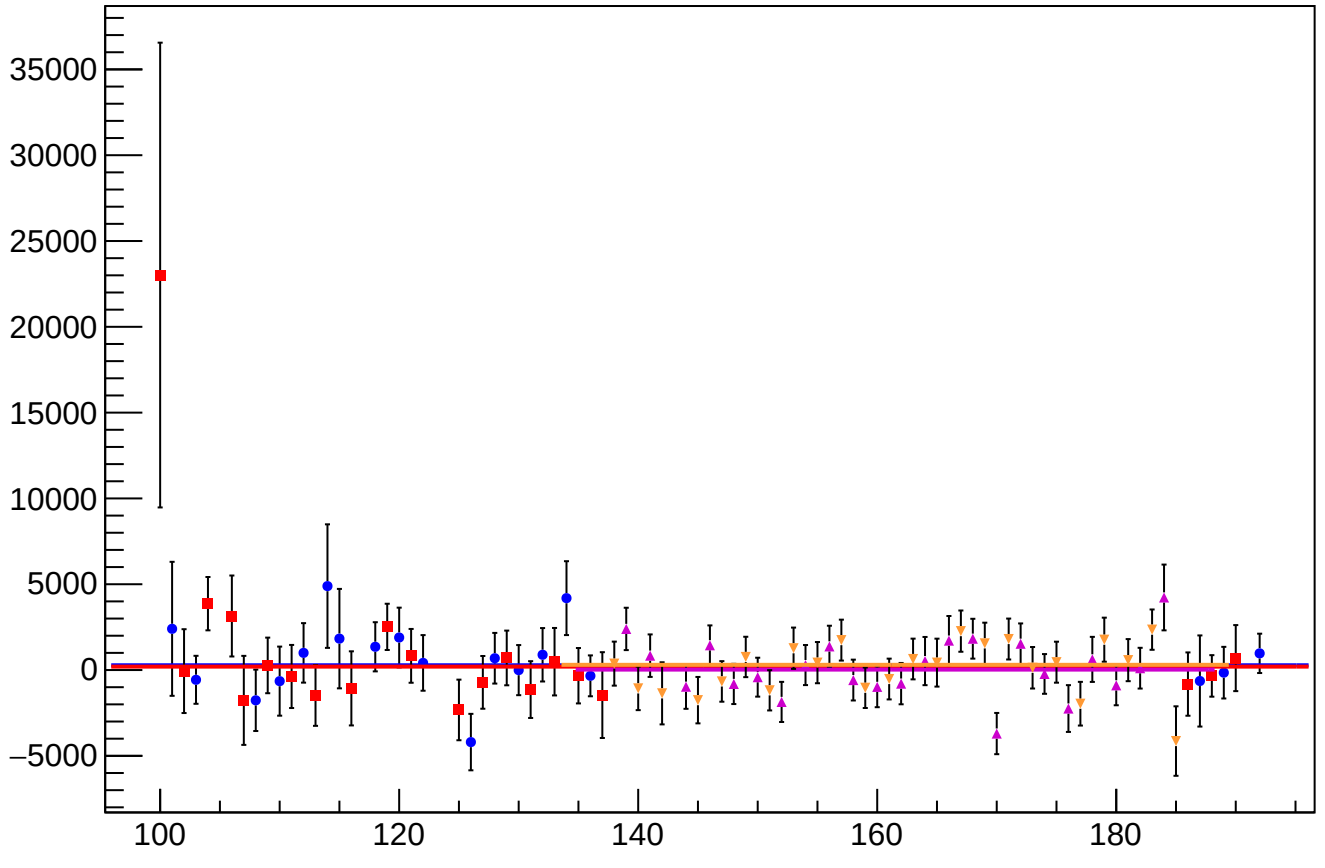
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 422.289+/-0.078 χ^2/NDF: 6406263.7/39

In: 440.046+/-0.062 χ^2/NDF:3779054.8/41

Out: 430.467+/-0.061 χ^2/NDF:4390037.7/44

All: 435.165+/-0.043 χ^2/NDF: 8181273.8/86



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: 199.561+/-388.184 χ^2/NDF: 19.3/20

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

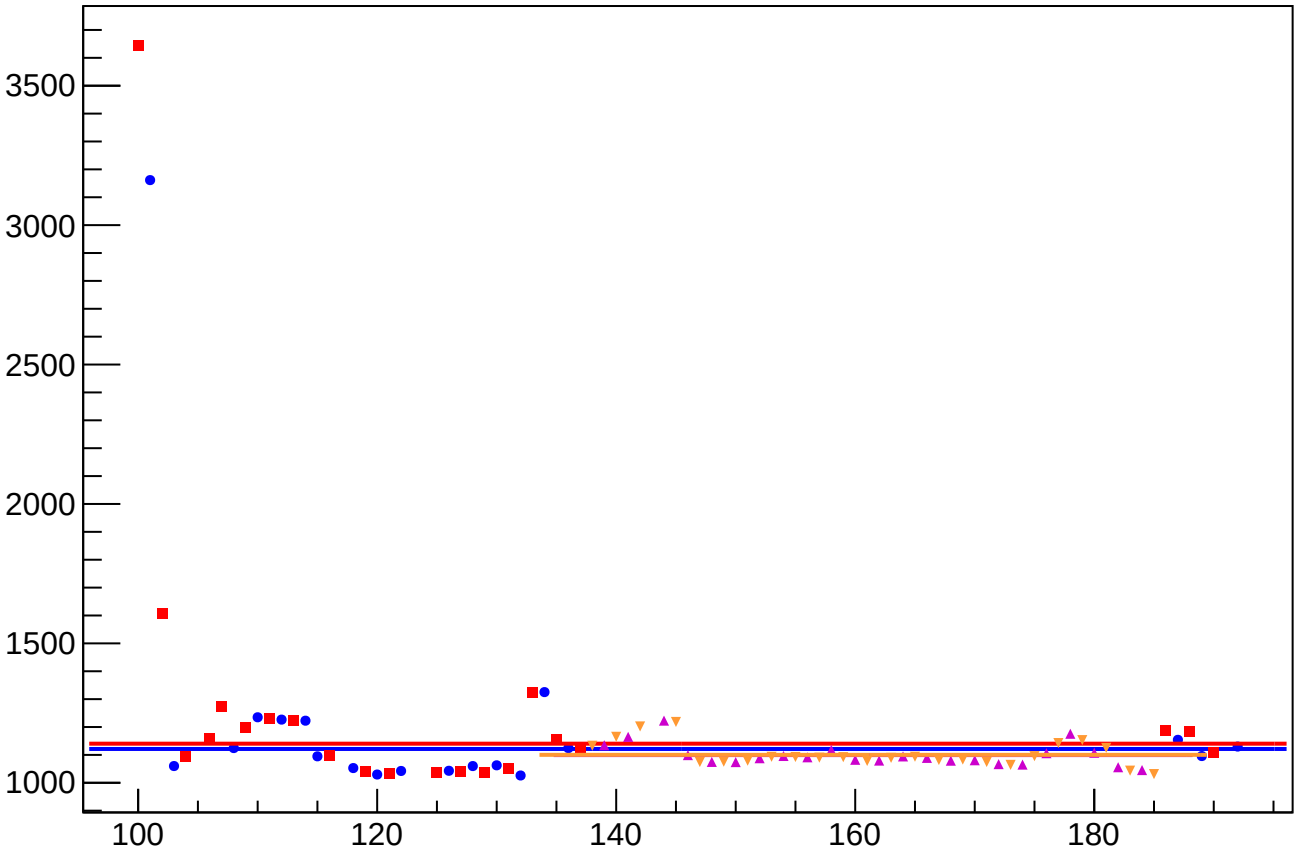
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 239.626+/-272.410 χ^2/NDF: 36.9/39

In: 104.046+/-213.222 χ^2/NDF:53.7/41

Out: 272.004+/-213.453 χ^2/NDF:47.8/44

All: 187.934+/-150.852 χ^2/NDF: 101.8/86



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: 1140.265+/-0.274 χ^2/NDF: 232249.5/20

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

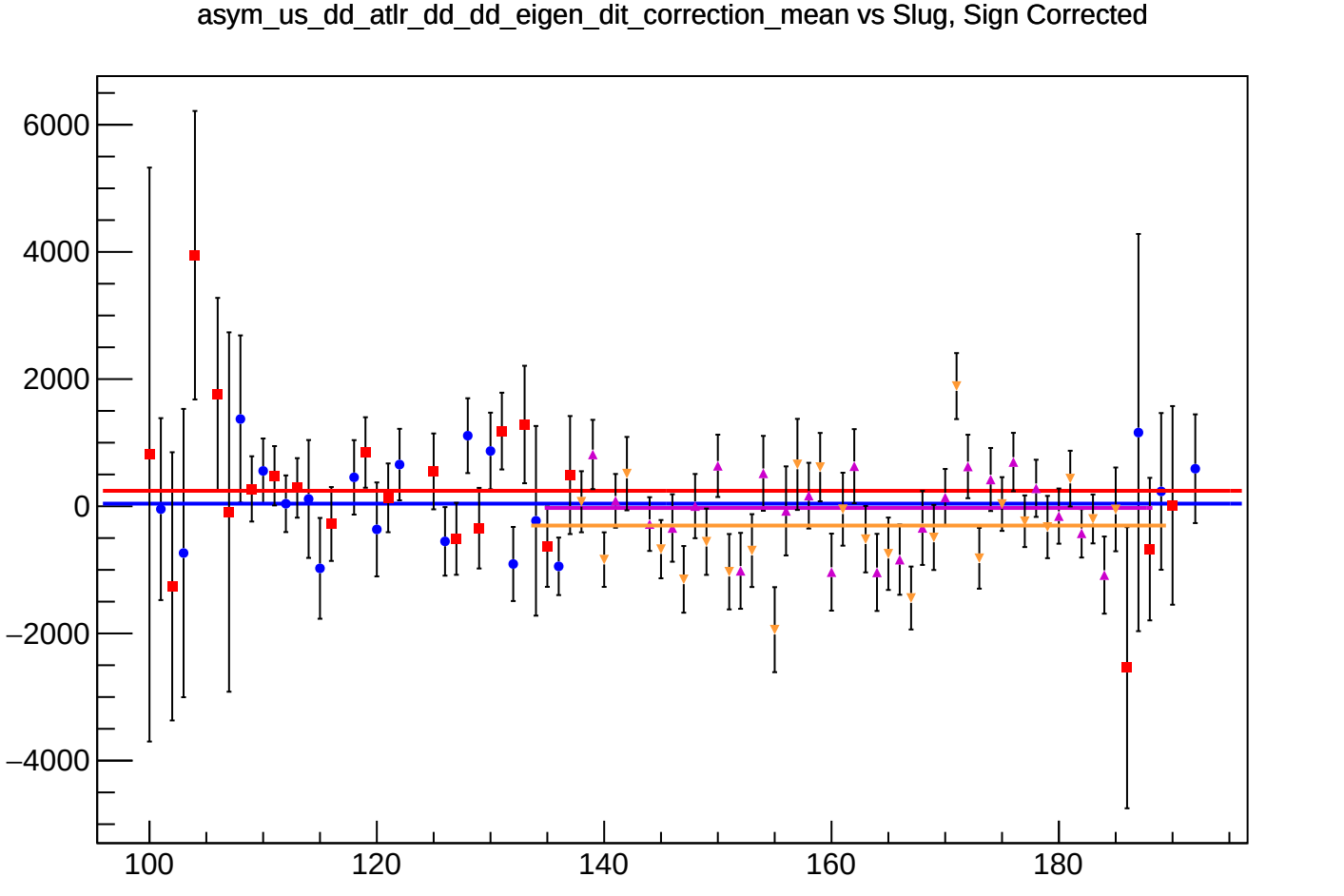
Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

Right: 1130.638+/-0.193 χ^2/NDF: 852689.0/39

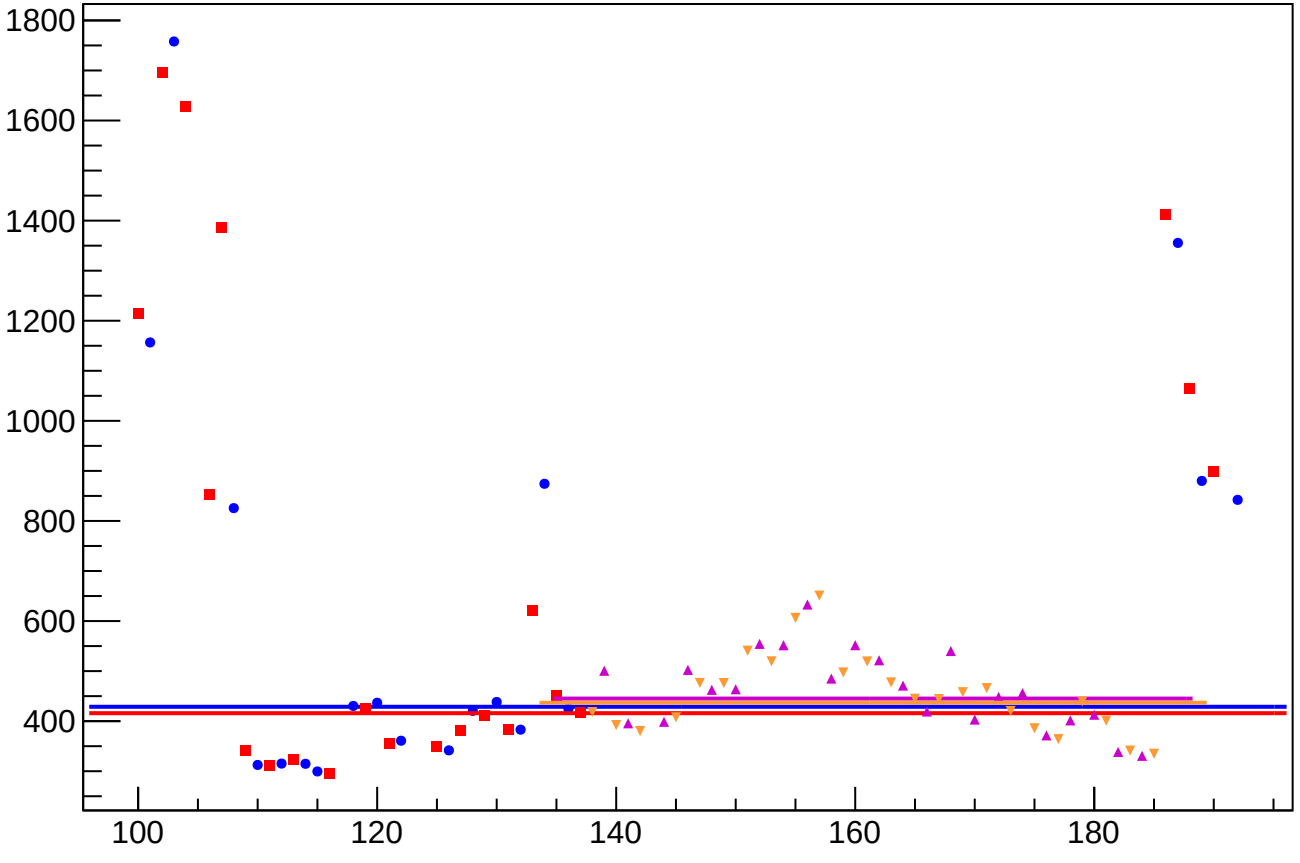
In: 1106.169+/-0.151 χ^2/NDF:667344.6/41

Out: 1112.355+/-0.151 χ^2/NDF:295844.2/44

All: 1109.258+/-0.107 χ^2/NDF: 964029.5/86


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
Right In: 41.290+/-157.512 χ²/NDF: 20.2/18
Left Out: -303.218+/-102.979 χ²/NDF:49.5/23
Right Out: 243.112+/-156.074 χ²/NDF: 17.4/20
Left In: -26.739+/-105.420 χ²/NDF:27.9/22
Left: -168.217+/-73.665 χ²/NDF: 80.9/46
Right: 143.126+/-110.866 χ²/NDF: 38.4/39
In: -5.694+/-87.609 χ²/NDF:48.2/41
Out: -137.513+/-85.955 χ²/NDF:75.5/44
All: -72.859+/-61.356 χ²/NDF: 124.8/86

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: 415.948+/-0.110 χ^2/NDF: 3510010.4/20

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

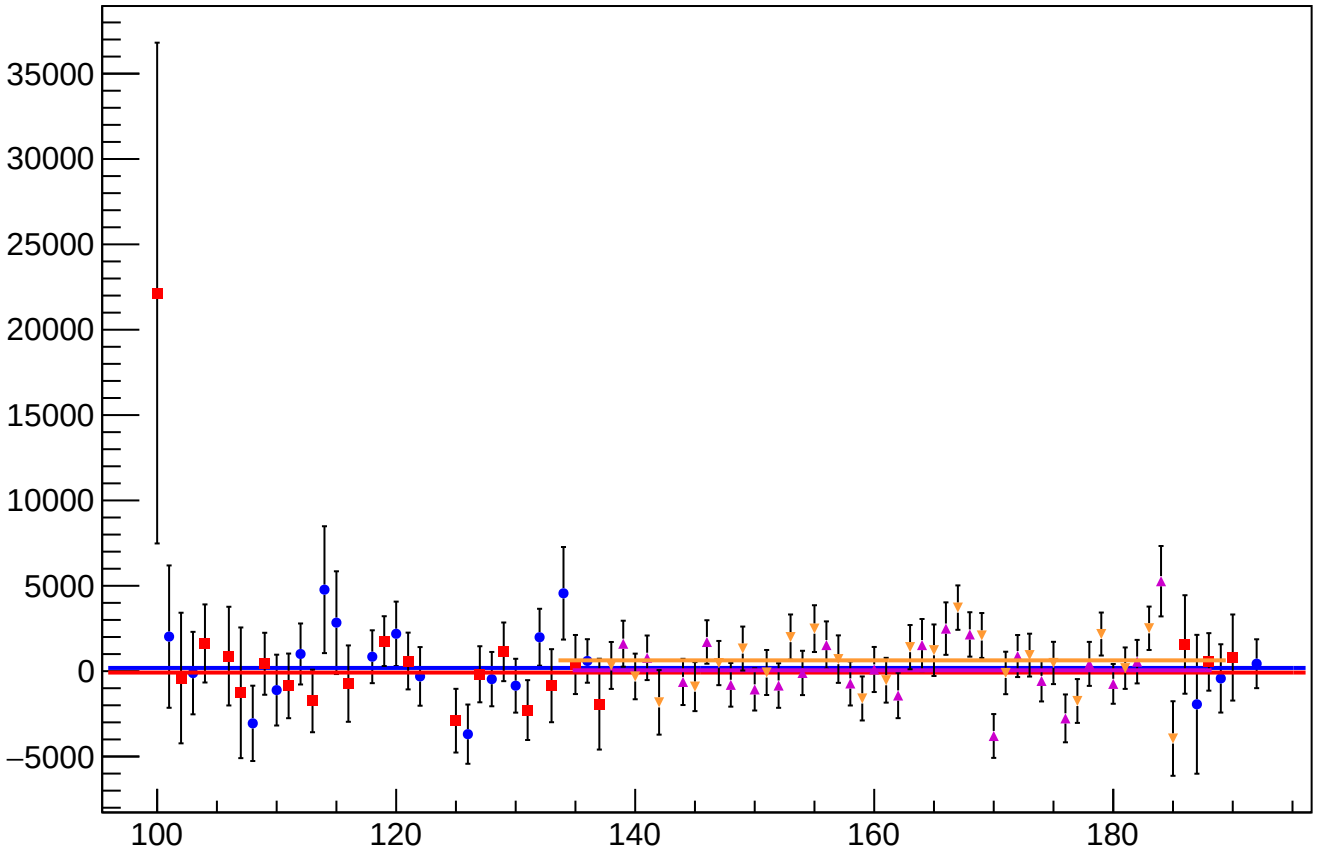
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 422.285+/-0.078 χ^2/NDF: 6406279.7/39

In: 440.045+/-0.062 χ^2/NDF:3779097.7/41

Out: 430.466+/-0.061 χ^2/NDF:4390087.1/44

All: 435.164+/-0.043 χ^2/NDF: 8181366.3/86



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: -82.758+/-446.779 χ^2/NDF: 11.6/20

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

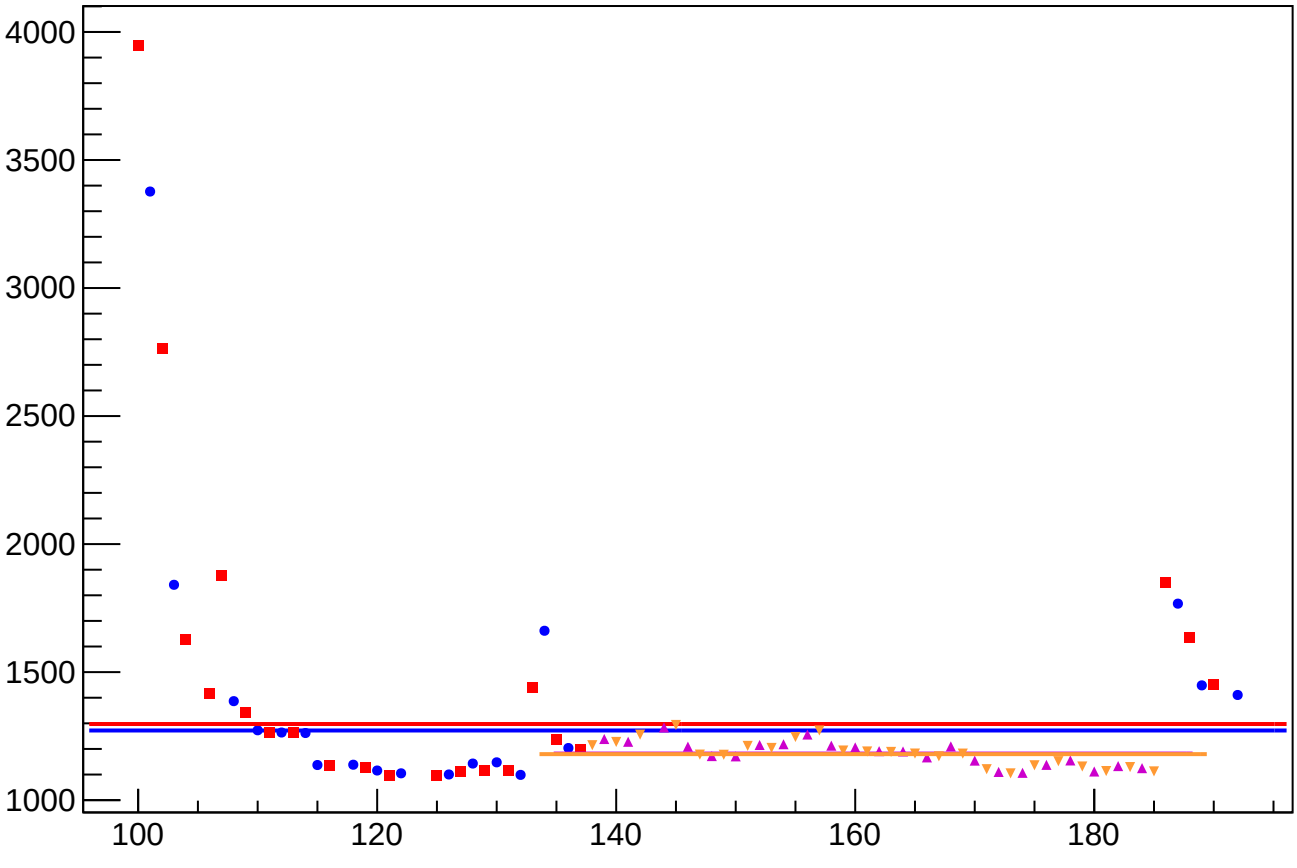
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 55.862+/-312.370 χ^2/NDF: 28.3/39

In: 90.124+/-233.469 χ^2/NDF:51.6/41

Out: 437.219+/-233.611 χ^2/NDF:43.6/44

All: 263.566+/-165.138 χ^2/NDF: 96.3/86



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: 1297.330+/-0.316 χ^2/NDF: 787839.2/20

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

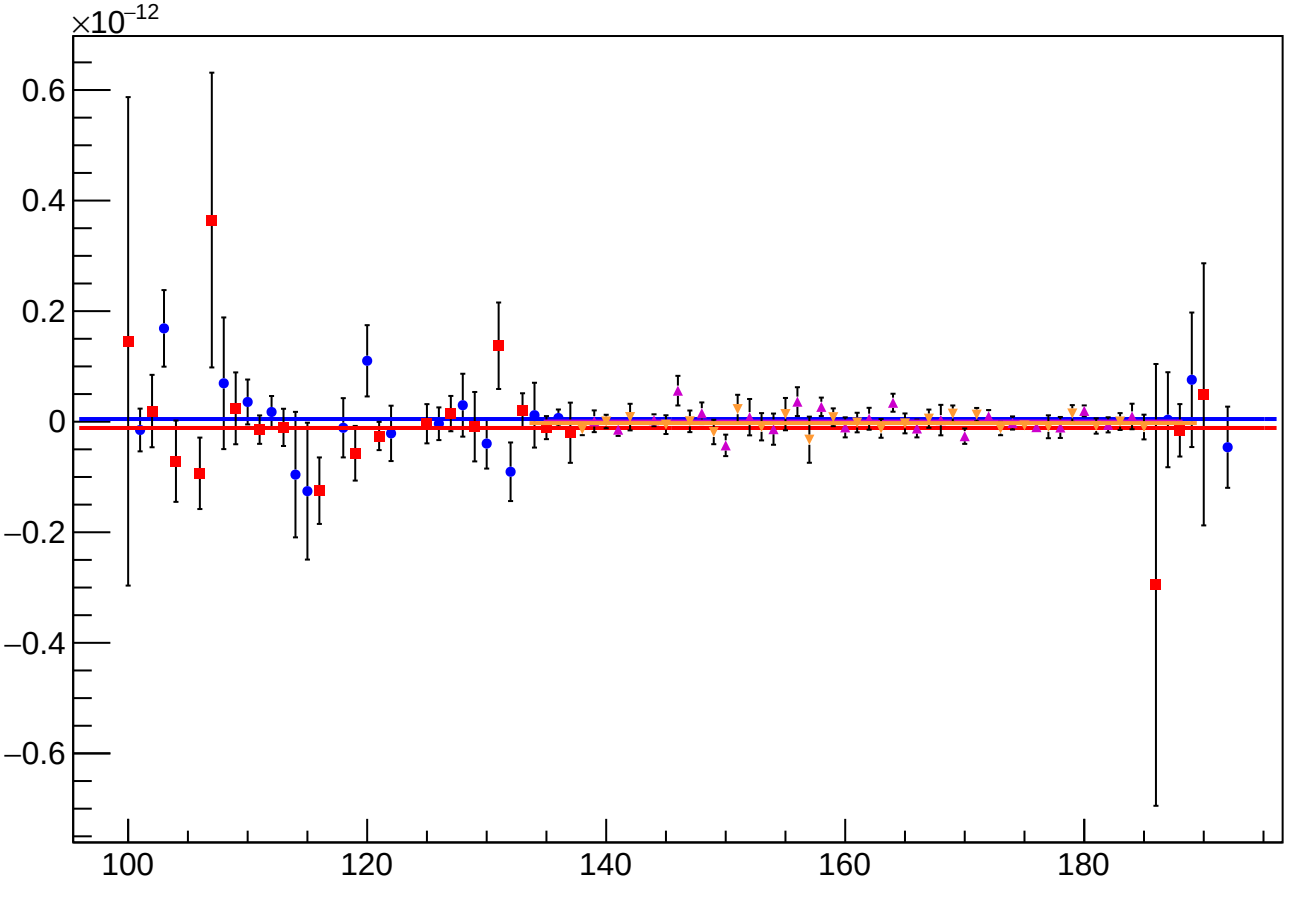
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1284.405+/-0.221 χ^2/NDF: 1646798.9/39

In: 1207.662+/-0.165 χ^2/NDF:976831.5/41

Out: 1211.870+/-0.165 χ^2/NDF:953218.8/44

All: 1209.765+/-0.117 χ^2/NDF: 1930375.0/86



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: 15.6/20

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

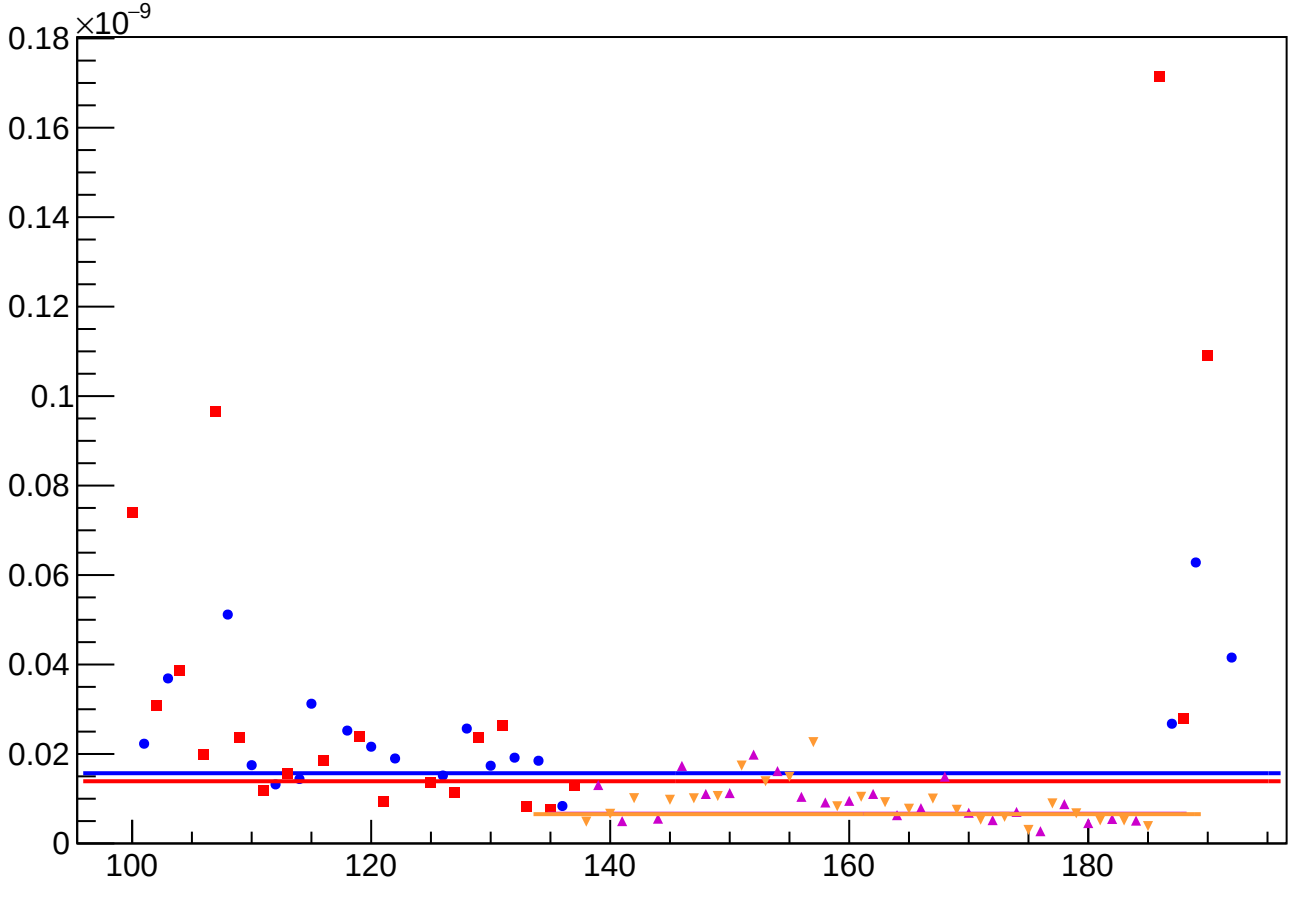
Right: -0.000+/-0.000 χ^2/NDF: 34.3/39

In: 0.000+/-0.000 χ^2/NDF:49.9/41

Out: -0.000+/-0.000 χ^2/NDF:26.9/44

All: -0.000+/-0.000 χ^2/NDF: 77.8/86

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: 2005244.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

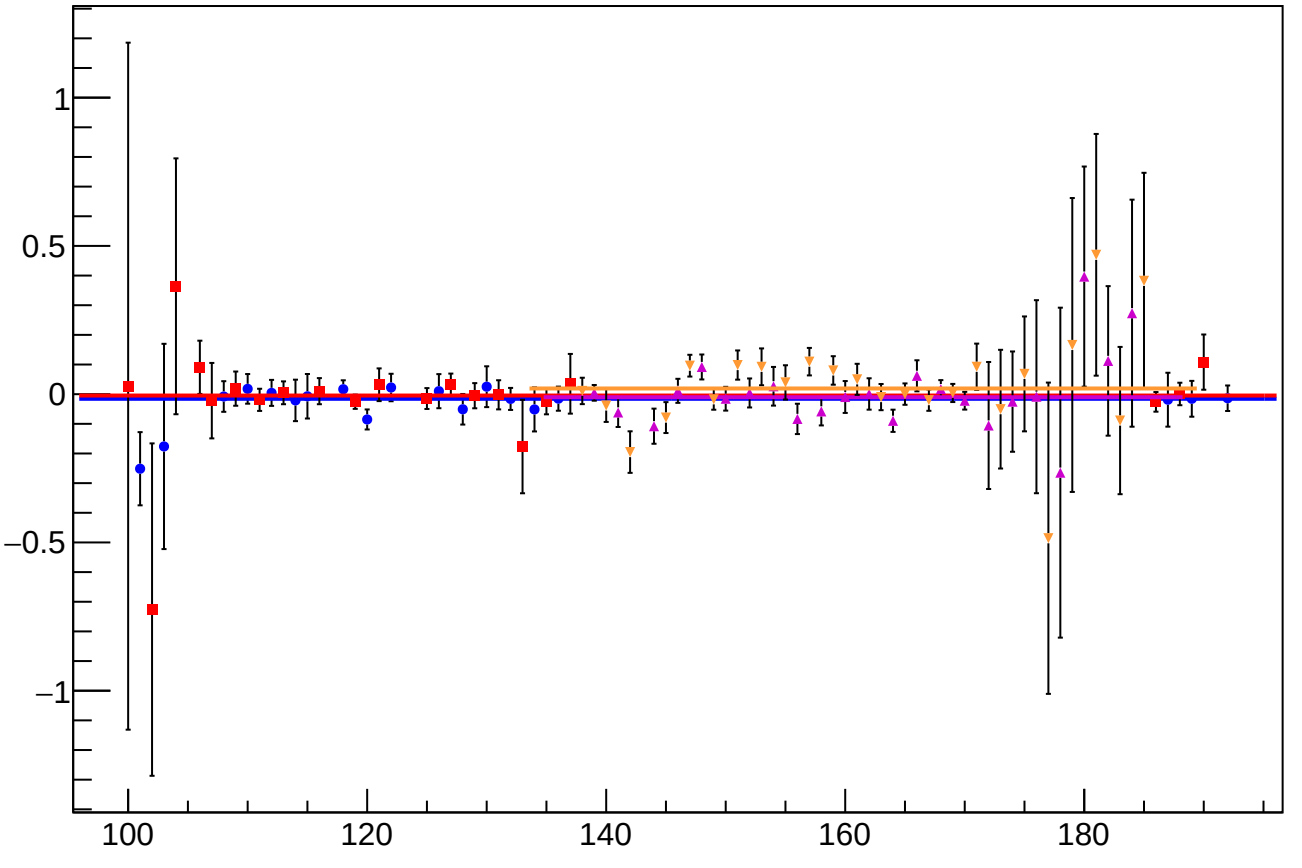
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 3721324.2/39

In: 0.000+/-0.000 χ^2/NDF:5871297.3/41

Out: 0.000+/-0.000 χ^2/NDF:5496314.0/44

All: 0.000+/-0.000 χ^2/NDF: 11374650.0/86



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: -0.005+/-0.010 χ^2/NDF: 9.8/20

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

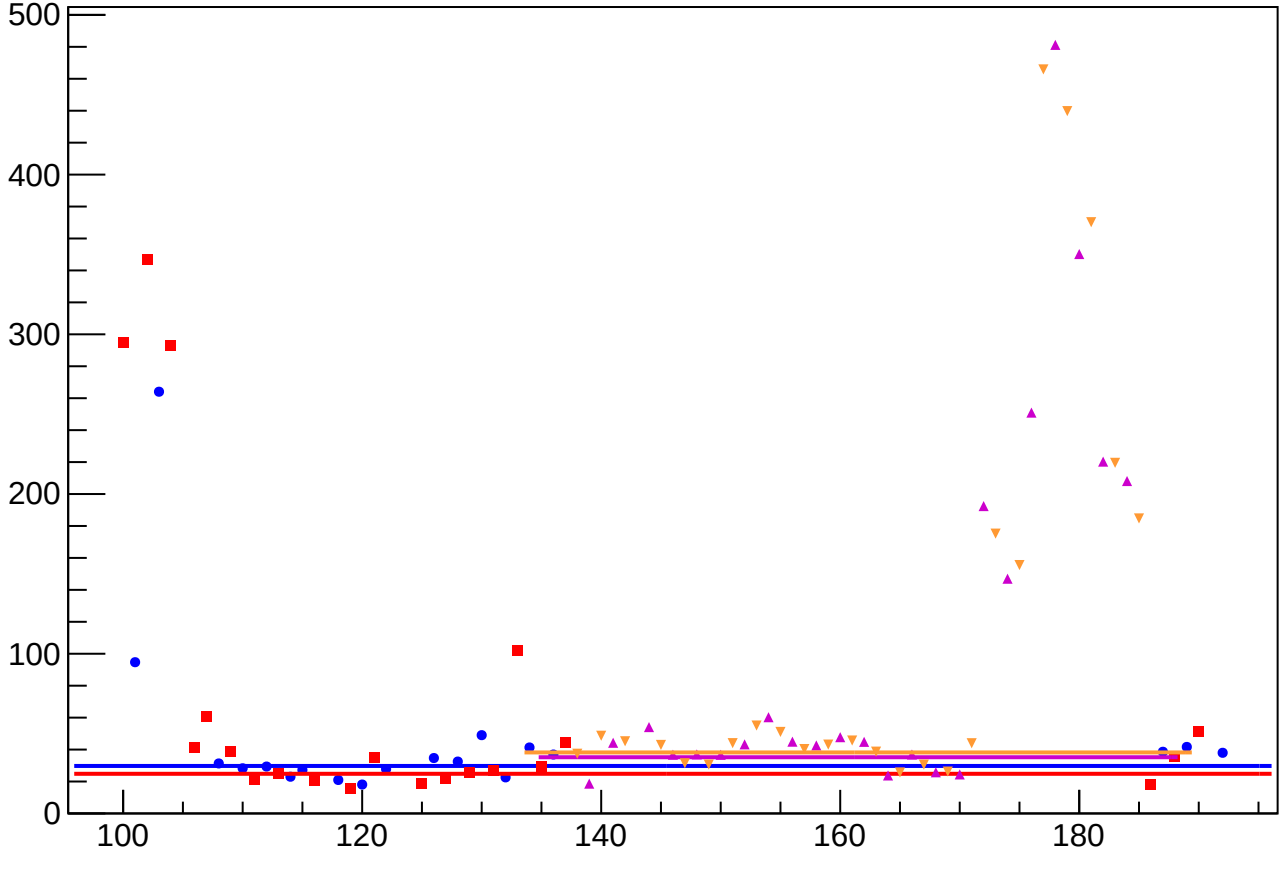
Right: -0.009+/-0.008 χ^2/NDF: 22.2/39

In: -0.013+/-0.008 χ^2/NDF:35.6/41

Out: 0.007+/-0.007 χ^2/NDF:48.2/44

All: -0.003+/-0.005 χ^2/NDF: 87.2/86

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: 24.830+/-0.007 χ^2/NDF: 3341248.6/20

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

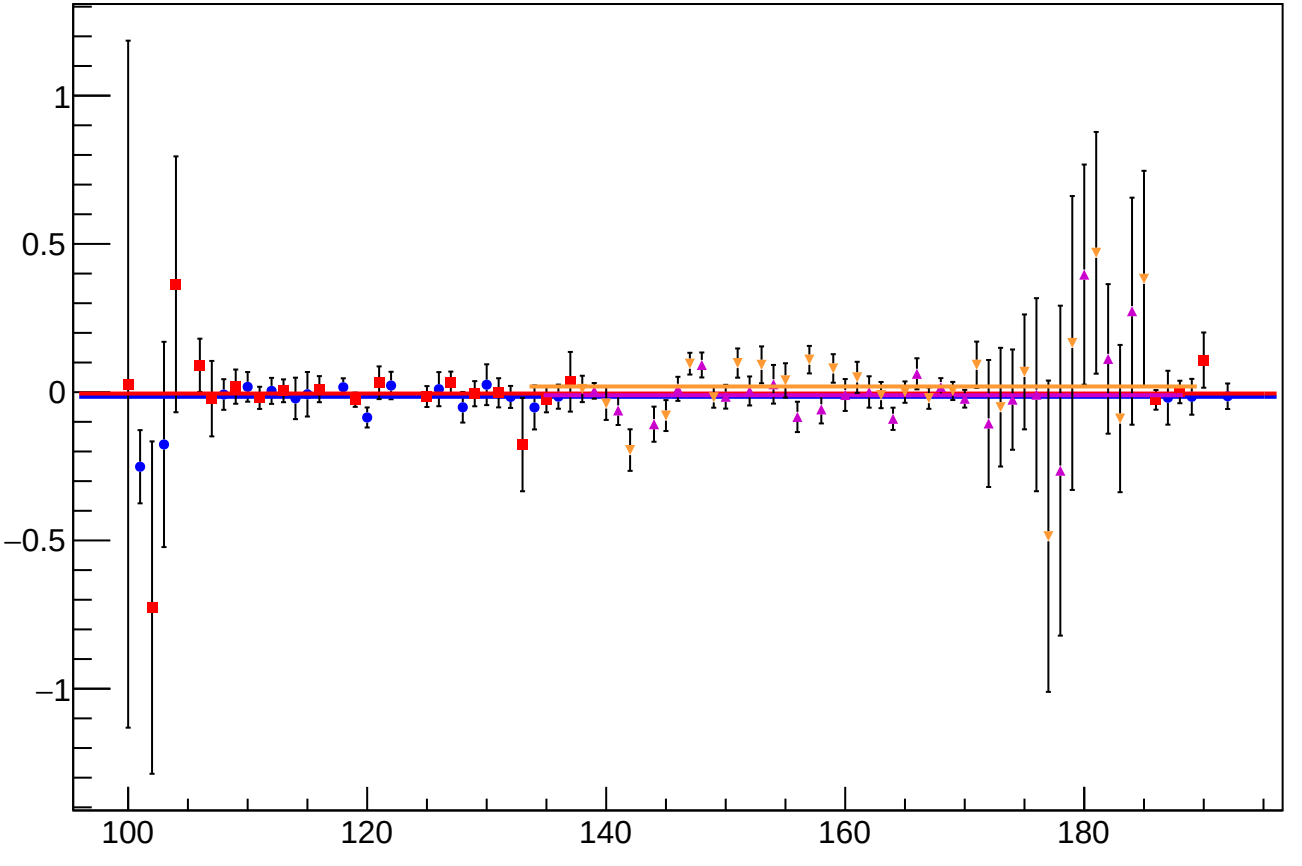
Right: 27.021+/-0.005 χ^2/NDF: 5982199.3/39

In: 32.782+/-0.005 χ^2/NDF:12080054.1/41

Out: 31.220+/-0.005 χ^2/NDF:13228009.0/44

All: 31.981+/-0.004 χ^2/NDF: 25350688.2/86

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: -0.005+/-0.010 χ^2/NDF: 9.8/20

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

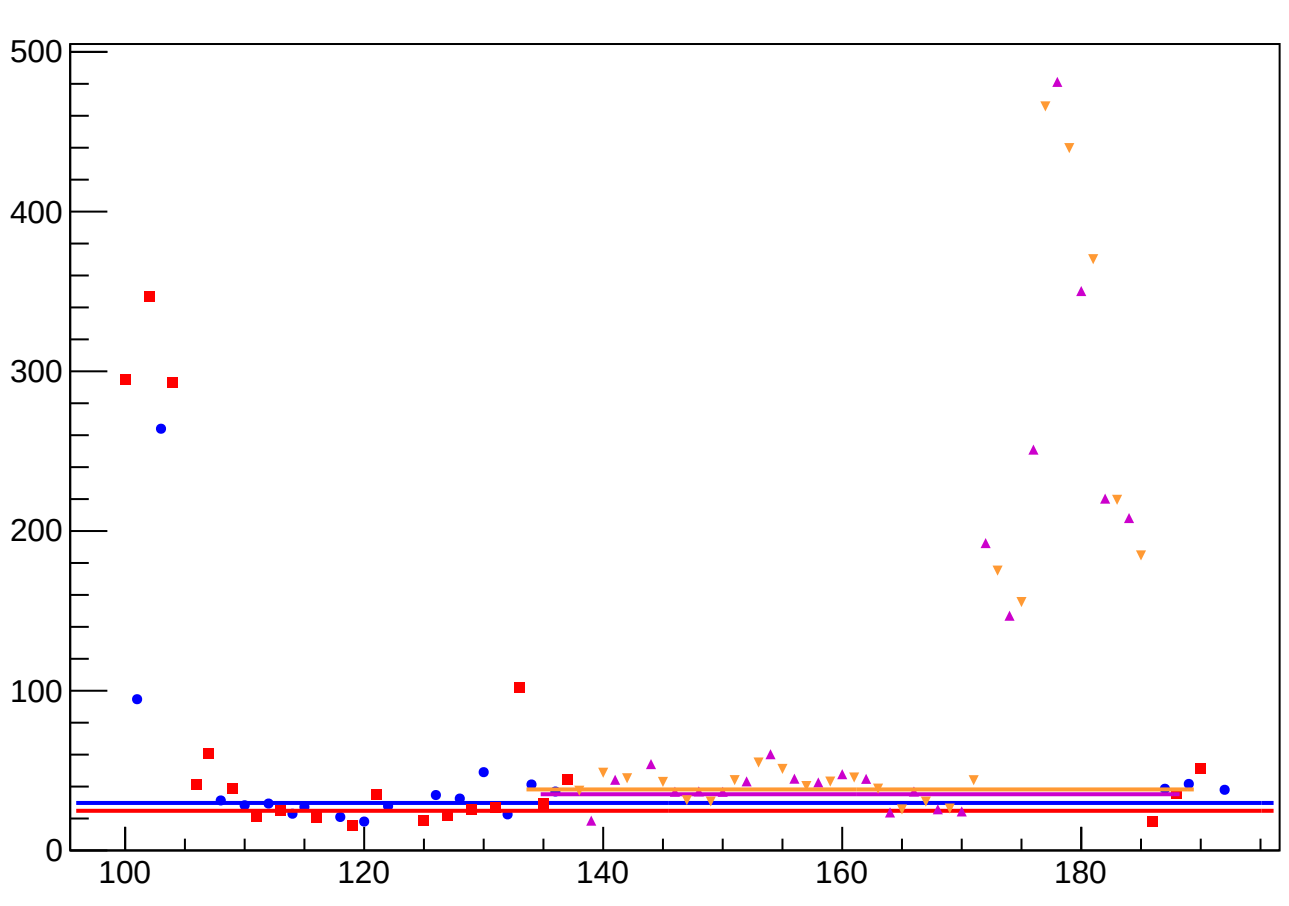
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: -0.009+/-0.008 χ^2/NDF: 22.2/39

In: -0.013+/-0.008 χ^2/NDF:35.6/41

Out: 0.007+/-0.007 χ^2/NDF:48.2/44

All: -0.003+/-0.005 χ^2/NDF: 87.2/86



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: 24.830+/-0.007 χ^2/NDF: 3341248.6/20

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

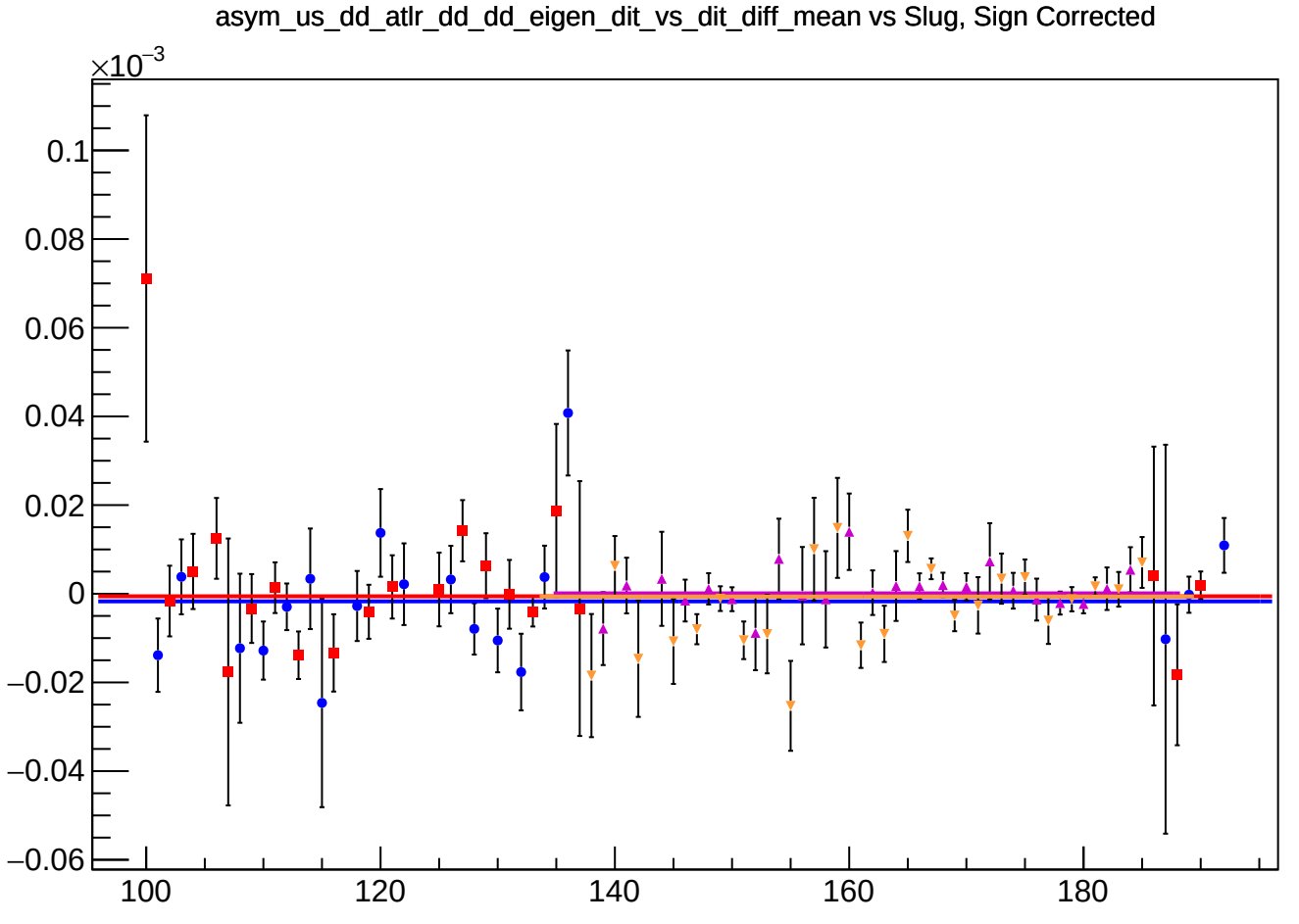
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 27.021+/-0.005 χ^2/NDF: 5982199.3/39

In: 32.782+/-0.005 χ^2/NDF:12080054.1/41

Out: 31.220+/-0.005 χ^2/NDF:13228009.0/44

All: 31.981+/-0.004 χ^2/NDF: 25350688.2/86



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: 25.0/20

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

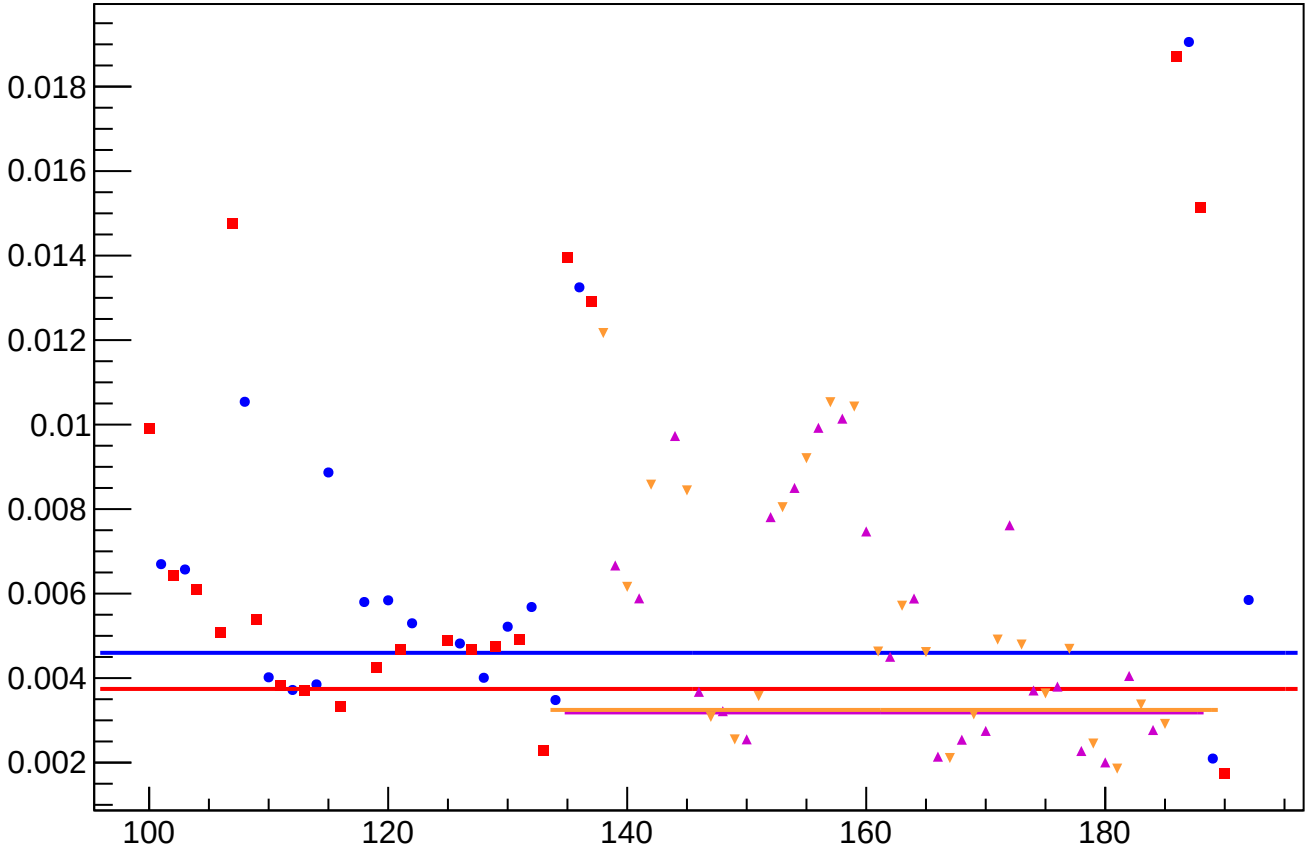
Right: -0.000+/-0.000 χ^2/NDF: 55.5/39

In: -0.000+/-0.000 χ^2/NDF:42.0/41

Out: -0.000+/-0.000 χ^2/NDF:76.2/44

All: -0.000+/-0.000 χ^2/NDF: 118.3/86

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: 4563803.5/20

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

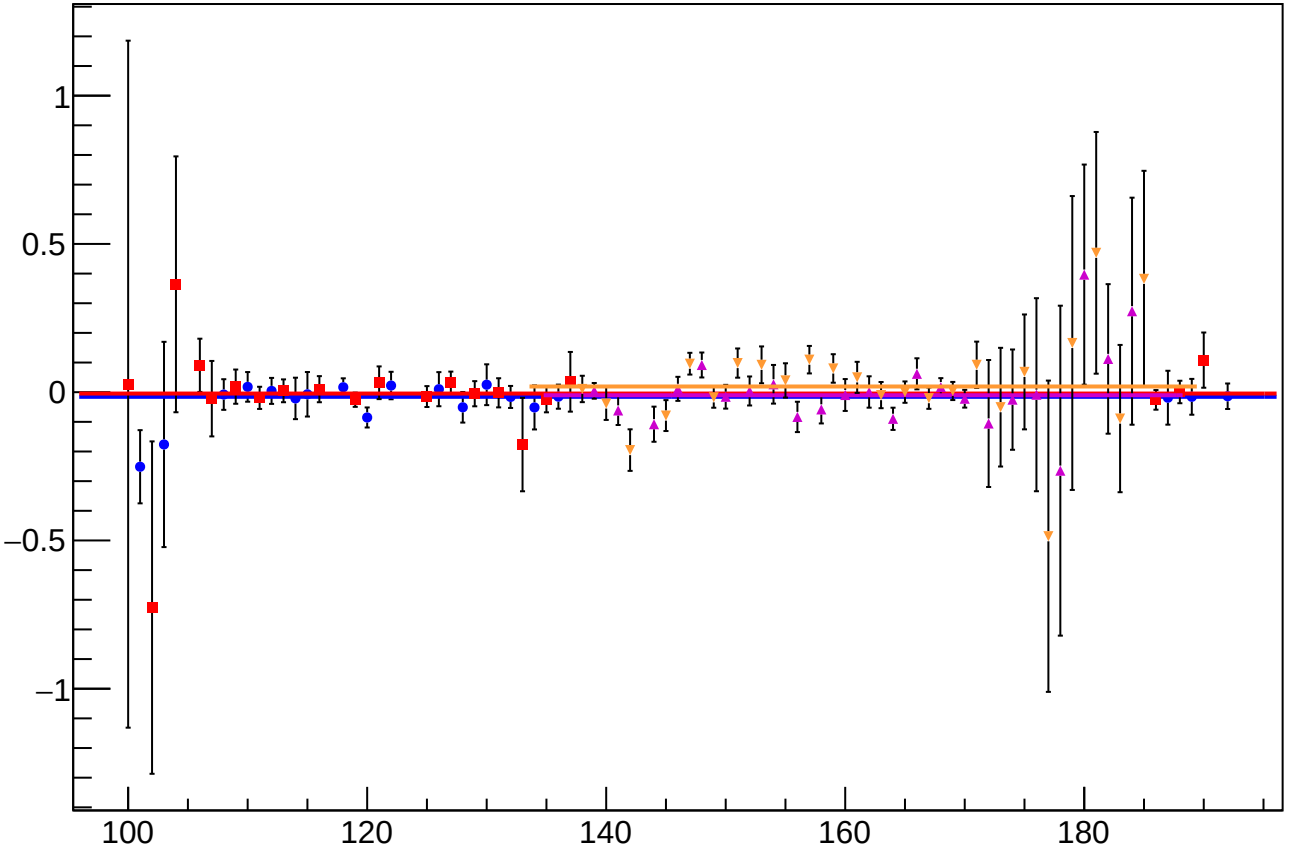
Right: 0.004+/-0.000 χ^2/NDF: 7490773.3/39

In: 0.003+/-0.000 χ^2/NDF:11006427.2/41

Out: 0.003+/-0.000 χ^2/NDF:12468608.9/44

All: 0.003+/-0.000 χ^2/NDF: 23489581.5/86

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: -0.005+/-0.010 χ^2/NDF: 9.8/20

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

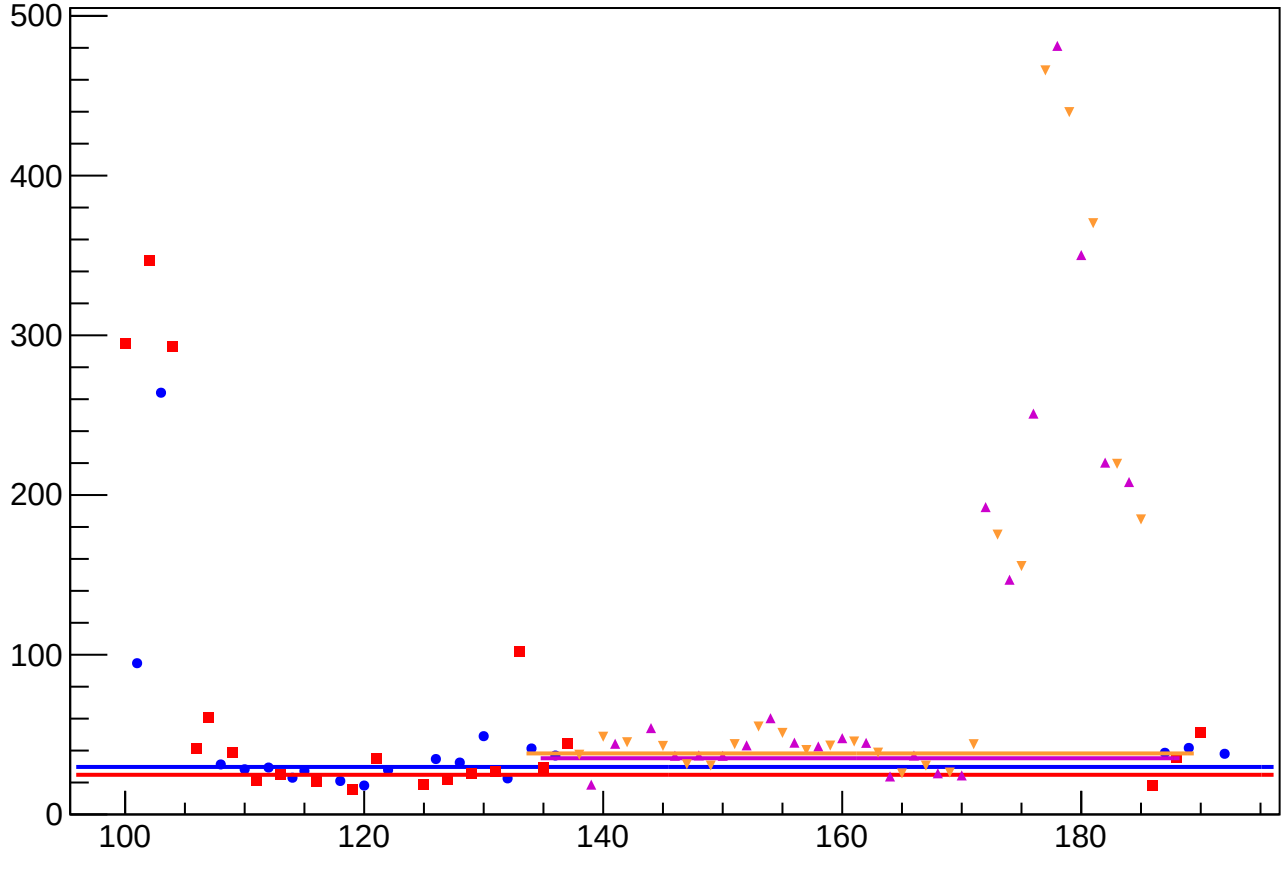
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: -0.009+/-0.008 χ^2/NDF: 22.2/39

In: -0.013+/-0.008 χ^2/NDF:35.6/41

Out: 0.007+/-0.007 χ^2/NDF:48.2/44

All: -0.003+/-0.005 χ^2/NDF: 87.2/86



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: 24.828+/-0.007 χ^2/NDF: 3341490.0/20

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

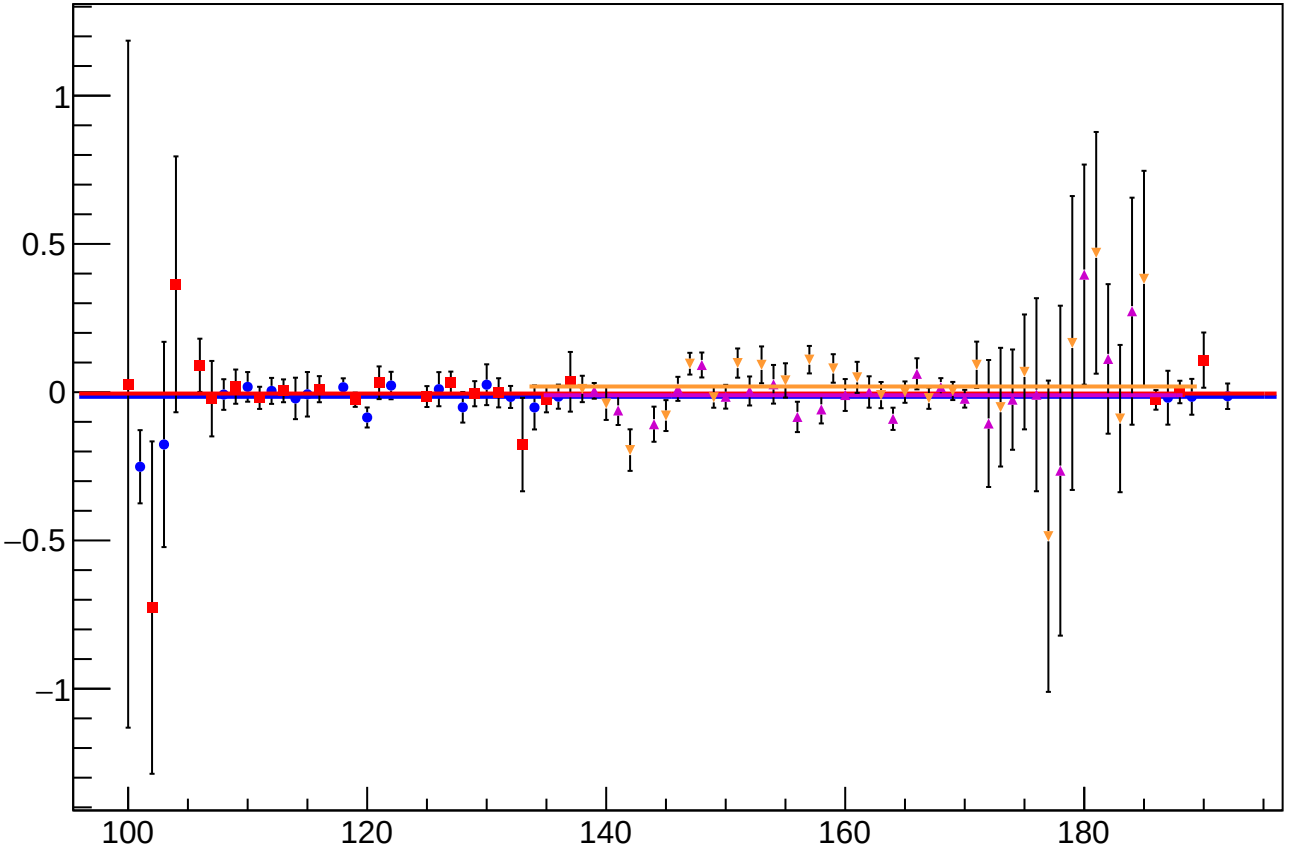
Right: 27.020+/-0.005 χ^2/NDF: 5982664.0/39

In: 32.782+/-0.005 χ^2/NDF:12080497.1/41

Out: 31.219+/-0.005 χ^2/NDF:13228931.8/44

All: 31.980+/-0.004 χ^2/NDF: 25352136.6/86

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: -0.005+/-0.010 χ^2/NDF: 9.8/20

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

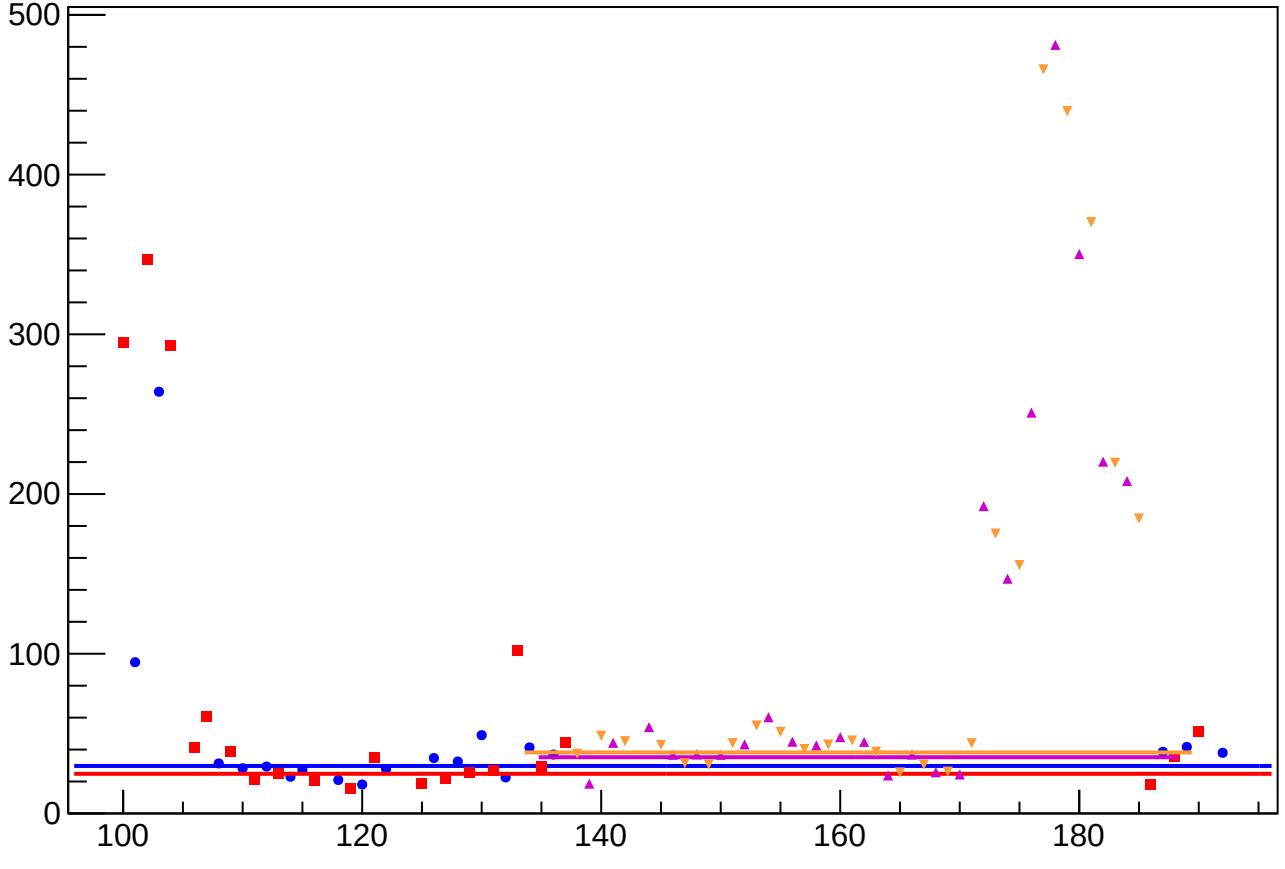
Right: -0.009+/-0.008 χ^2/NDF: 22.2/39

In: -0.013+/-0.008 χ^2/NDF:35.6/41

Out: 0.007+/-0.007 χ^2/NDF:48.2/44

All: -0.003+/-0.005 χ^2/NDF: 87.2/86

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: 24.828+/-0.007 χ^2/NDF: 3341490.0/20

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

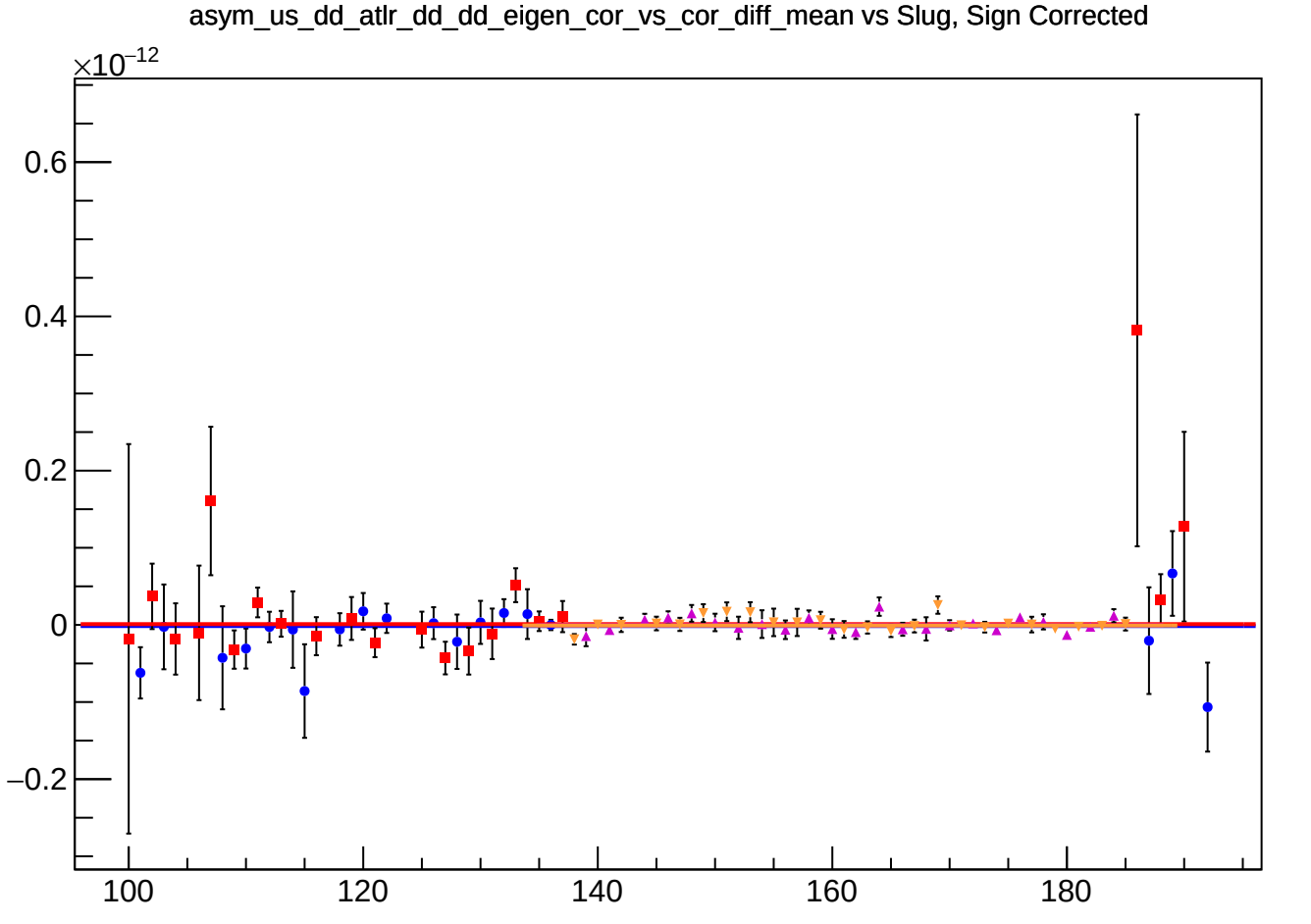
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 27.020+/-0.005 χ^2/NDF: 5982664.0/39

In: 32.782+/-0.005 χ^2/NDF:12080497.1/41

Out: 31.219+/-0.005 χ^2/NDF:13228931.8/44

All: 31.980+/-0.004 χ^2/NDF: 25352136.6/86



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: 25.0/20

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

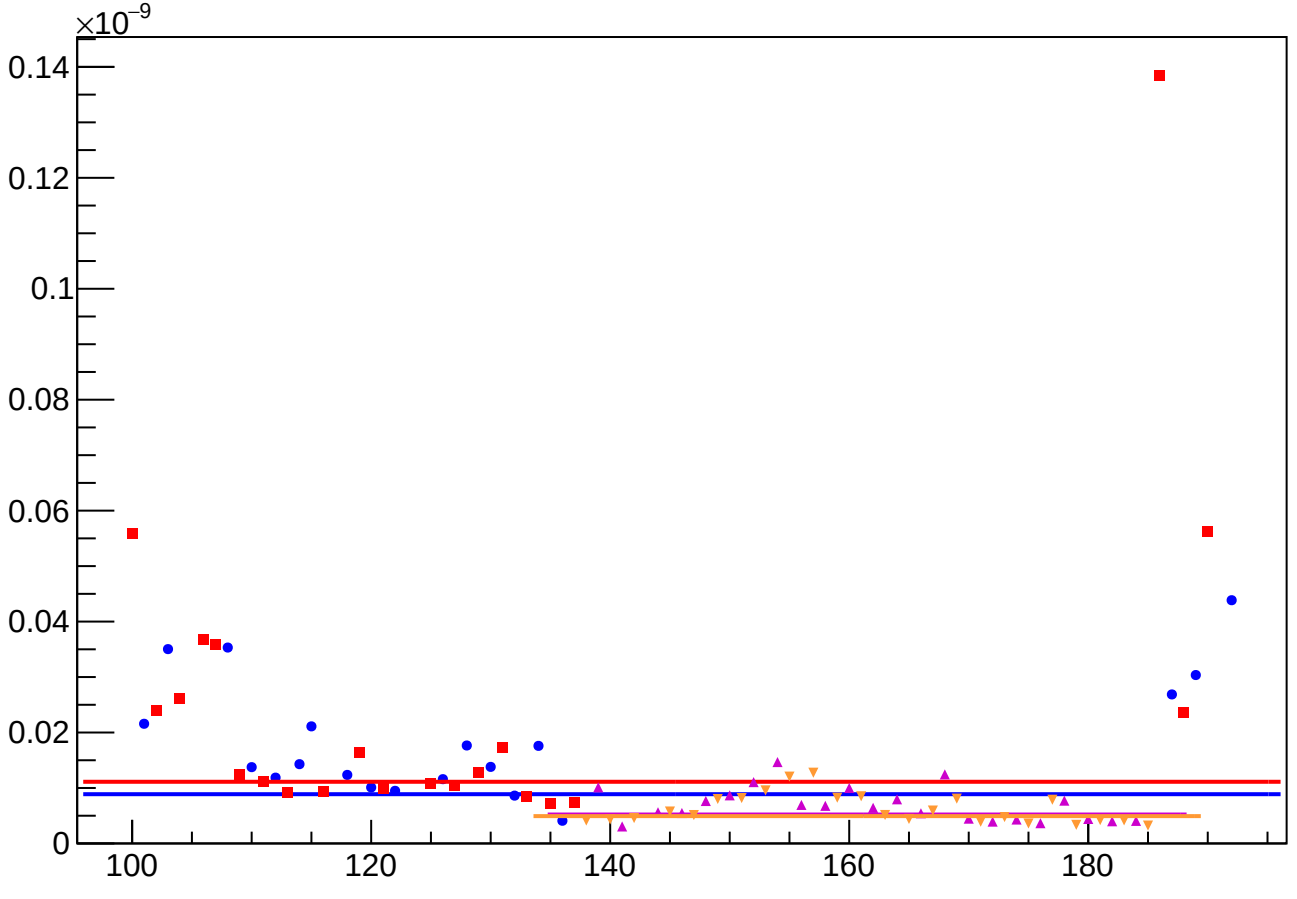
Right: -0.000+/-0.000 χ^2/NDF: 39.5/39

In: -0.000+/-0.000 χ^2/NDF:40.7/41

Out: -0.000+/-0.000 χ^2/NDF:46.2/44

All: -0.000+/-0.000 χ^2/NDF: 86.8/86

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: 2221991.6/20

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

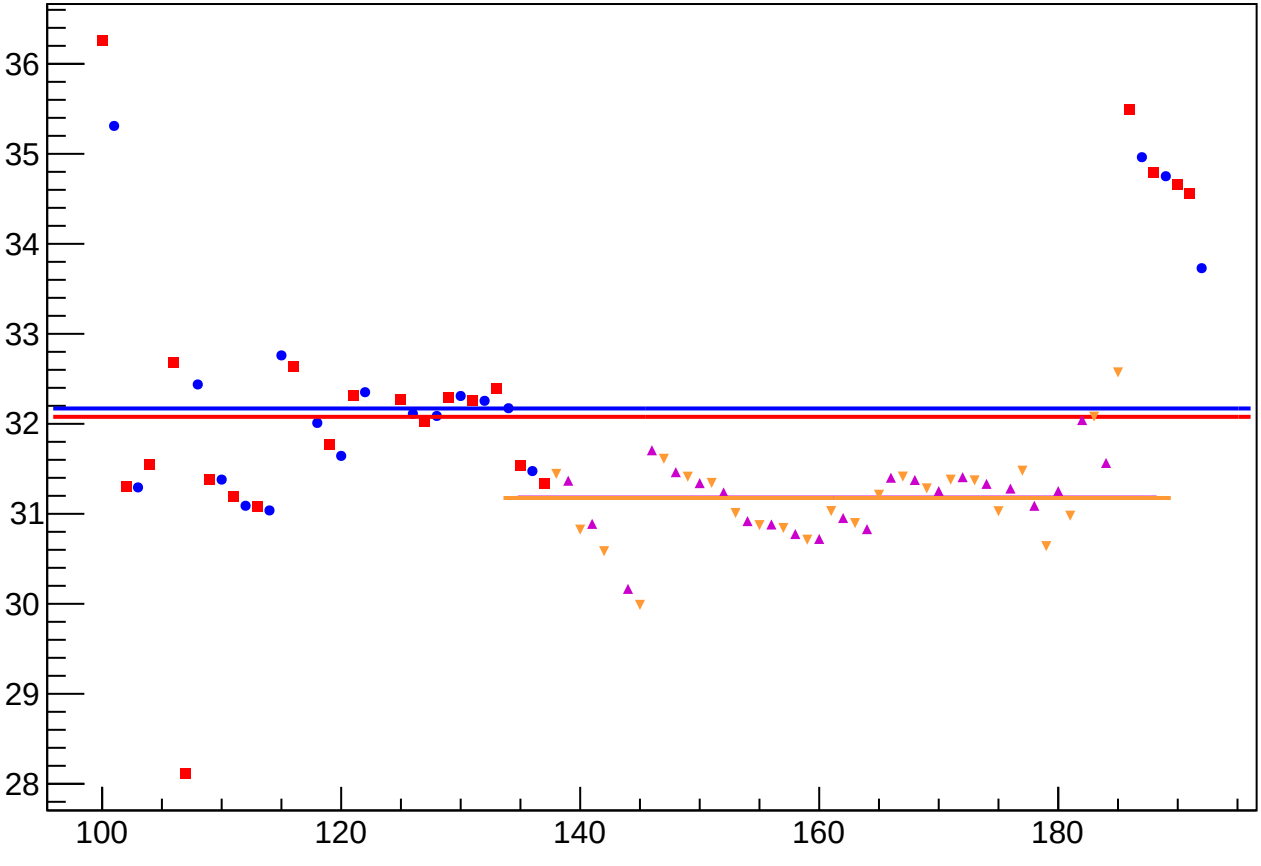
Right: 0.000+/-0.000 χ^2/NDF: 6318794.9/39

In: 0.000+/-0.000 χ^2/NDF:8427259.7/41

Out: 0.000+/-0.000 χ^2/NDF:7174165.9/44

All: 0.000+/-0.000 χ^2/NDF: 15621689.0/86

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: 32.078+/-0.000 χ^2/NDF: 1276764164.9/21

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

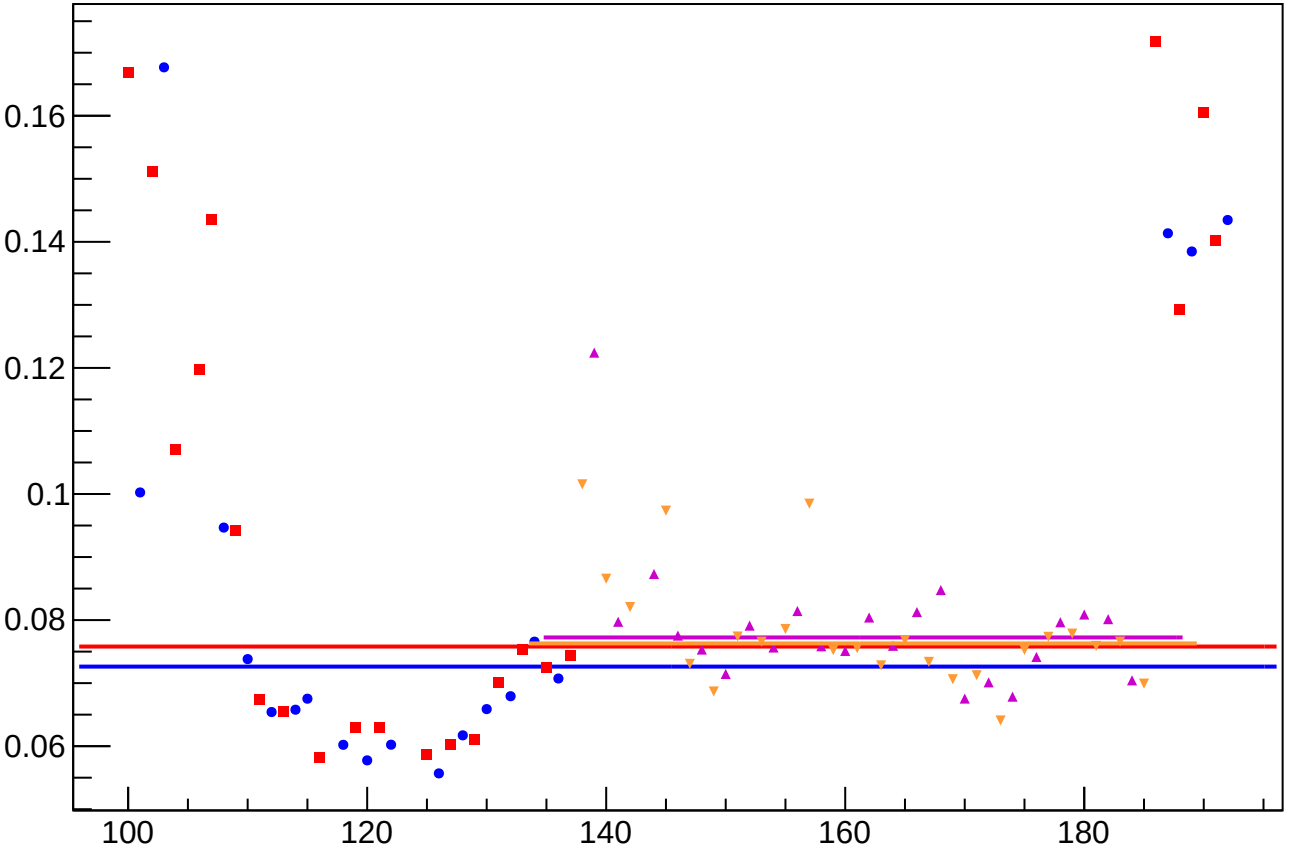
Right: 32.126+/-0.000 χ^2/NDF: 2558830923.6/40

In: 31.516+/-0.000 χ^2/NDF:2571803488.4/41

Out: 31.462+/-0.000 χ^2/NDF:2548624920.6/45

All: 31.489+/-0.000 χ^2/NDF: 5126642479.7/8

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: 0.076+/-0.000 χ^2/NDF: 1784986.8/21

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

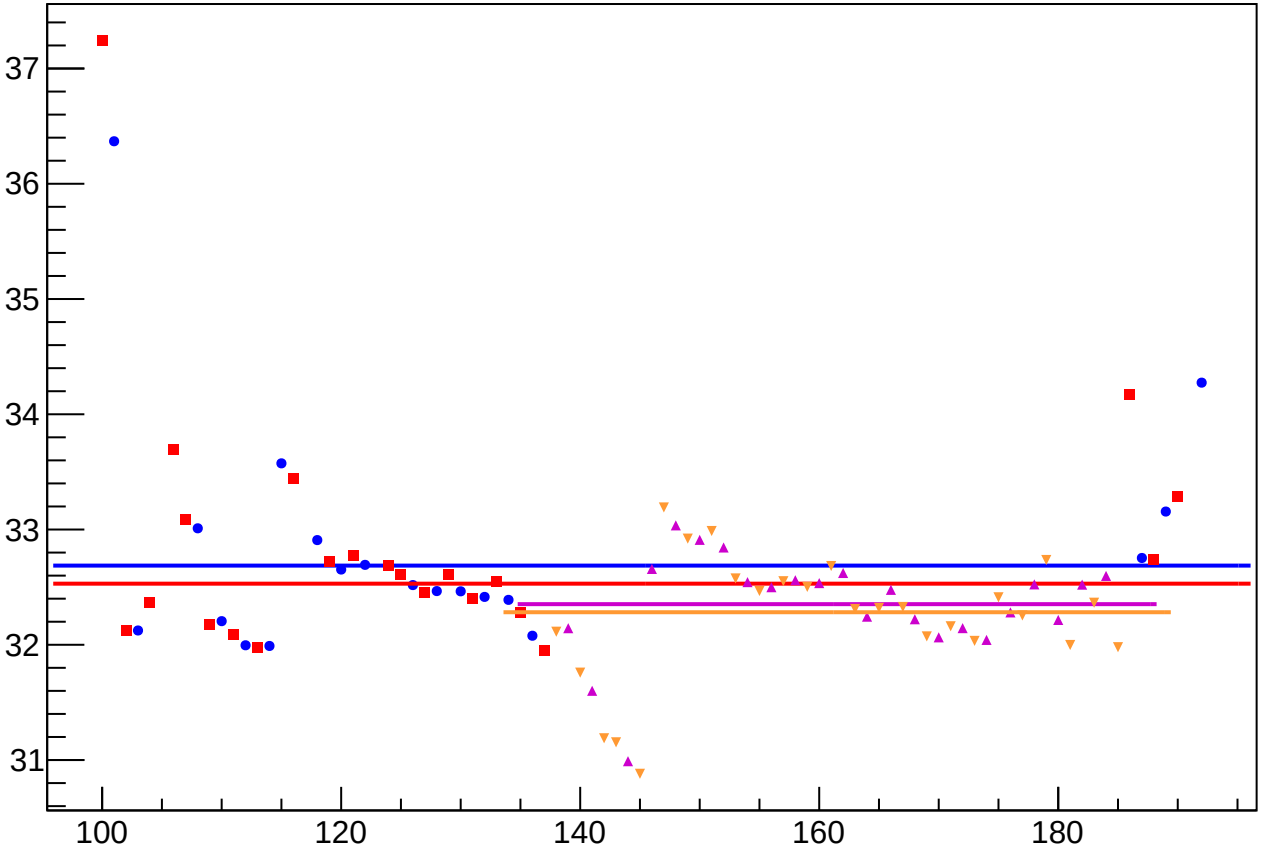
Right: 0.074+/-0.000 χ^2/NDF: 3330565.0/40

In: 0.076+/-0.000 χ^2/NDF:1937000.6/41

Out: 0.076+/-0.000 χ^2/NDF:2142126.9/45

All: 0.076+/-0.000 χ^2/NDF: 4080012.5/87

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: 32.530+/-0.000 χ^2/NDF: 216829865.7/21

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

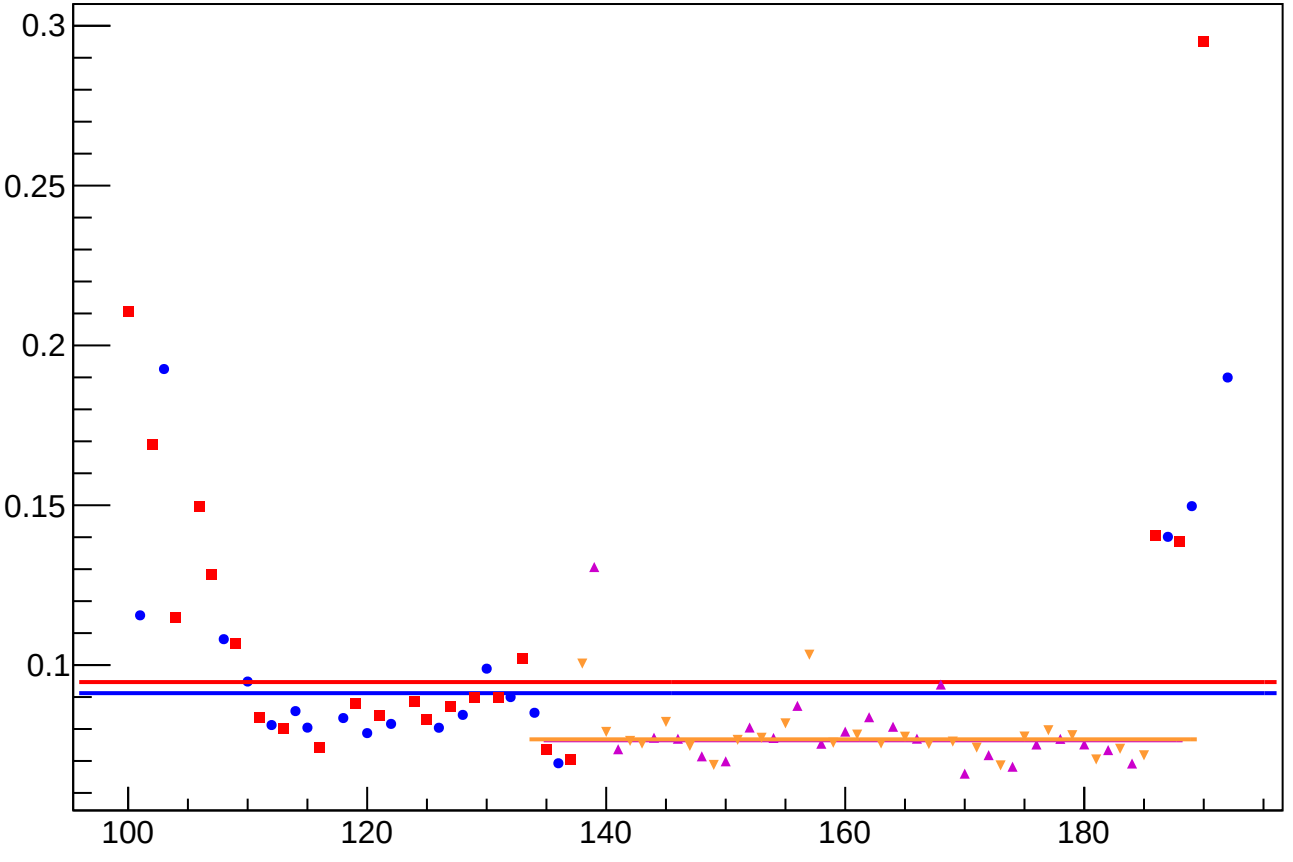
Right: 32.610+/-0.000 χ^2/NDF: 1041750502.6/40

In: 32.432+/-0.000 χ^2/NDF:1480682686.3/41

Out: 32.338+/-0.000 χ^2/NDF:1096942182.9/46

All: 32.384+/-0.000 χ^2/NDF: 2594657366.7/8

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: 0.095+/-0.000 χ^2/NDF: 1214391.0/21

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

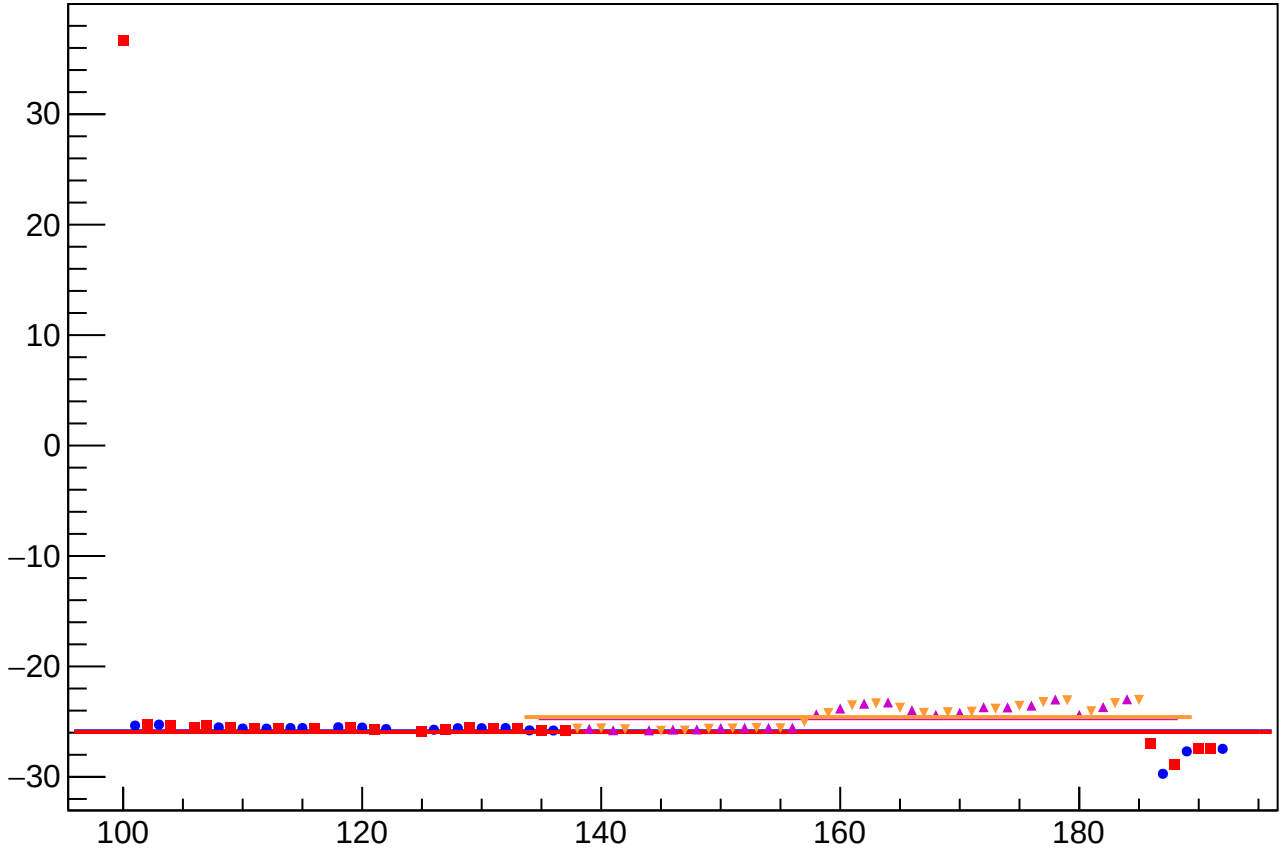
Right: 0.093+/-0.000 χ^2/NDF: 2564934.7/40

In: 0.080+/-0.000 χ^2/NDF:2120638.6/41

Out: 0.081+/-0.000 χ^2/NDF:1895220.2/46

All: 0.080+/-0.000 χ^2/NDF: 4018242.4/88

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.872+/-0.000 χ^2/NDF: 3015374828.8/18

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -25.939+/-0.000 χ^2/NDF: 13411312534.9/21

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

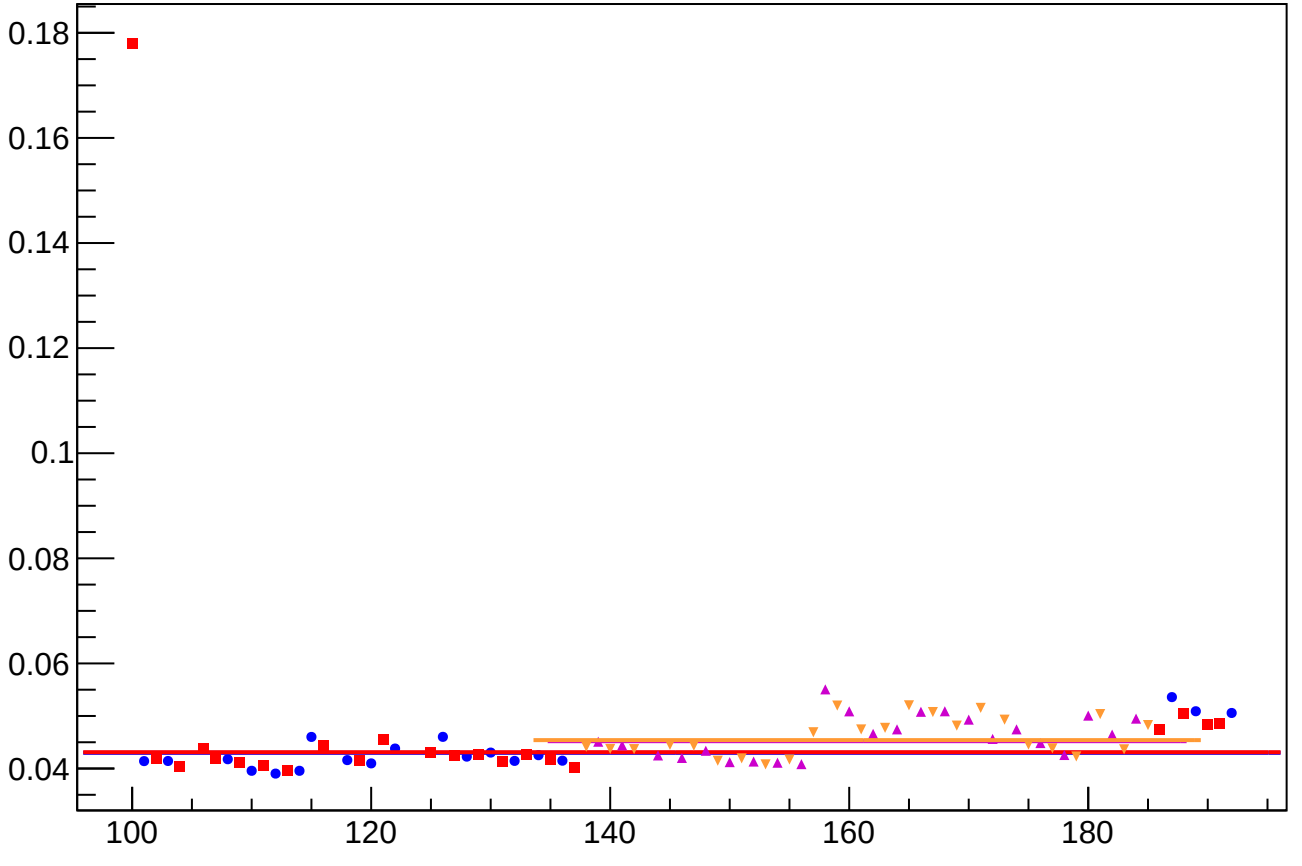
Right: -25.906+/-0.000 χ^2/NDF: 16437412961.3/40

In: -25.106+/-0.000 χ^2/NDF:16140240382.0/41

Out: -25.074+/-0.000 χ^2/NDF:28342601435.7/45

All: -25.090+/-0.000 χ^2/NDF: 44489837832.3

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: 0.043+/-0.000 χ^2/NDF: 173196.8/21

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

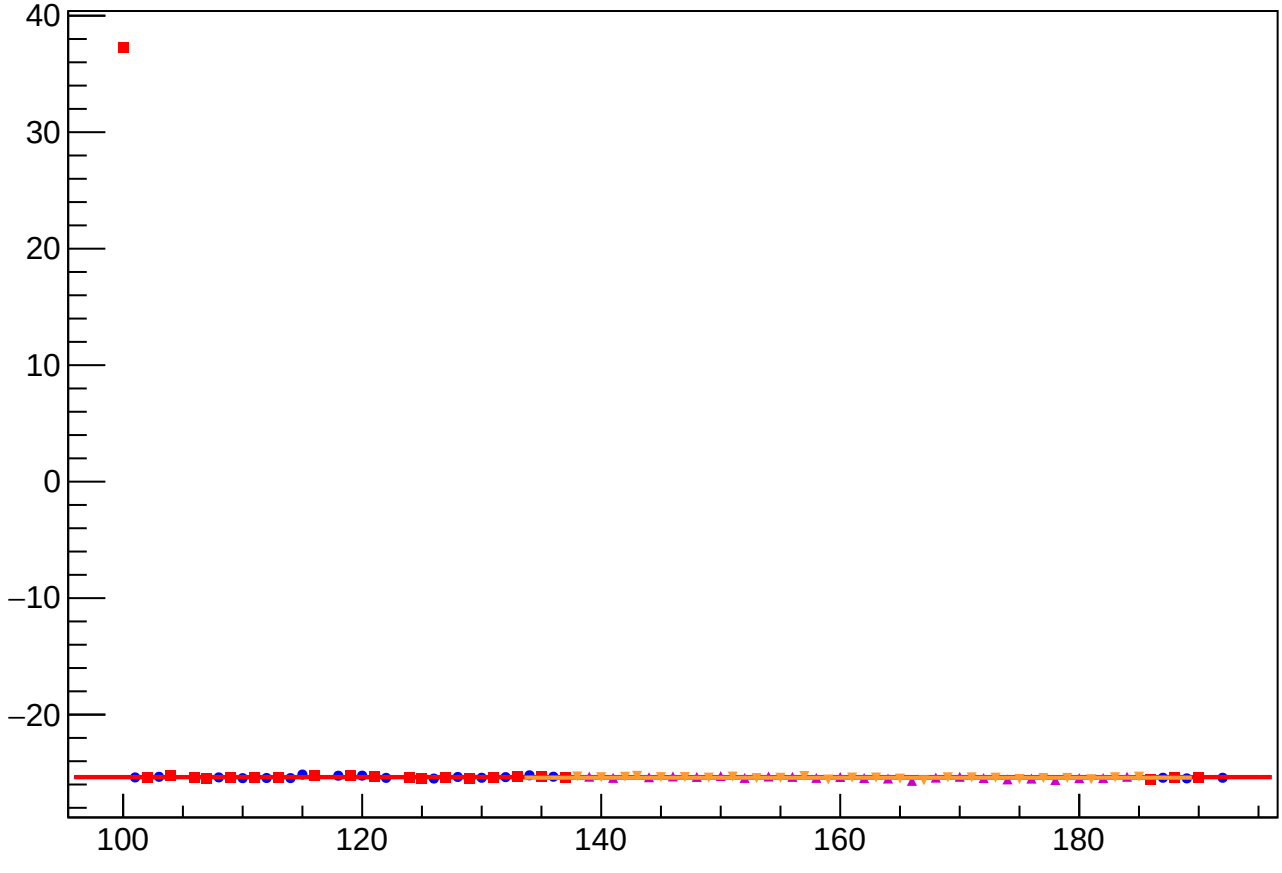
Right: 0.043+/-0.000 χ^2/NDF: 289132.3/40

In: 0.044+/-0.000 χ^2/NDF:390746.3/41

Out: 0.045+/-0.000 χ^2/NDF:411995.7/45

All: 0.044+/-0.000 χ^2/NDF: 803059.0/87

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: -25.350+/-0.000 χ^2/NDF: 6324721422.7/21

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

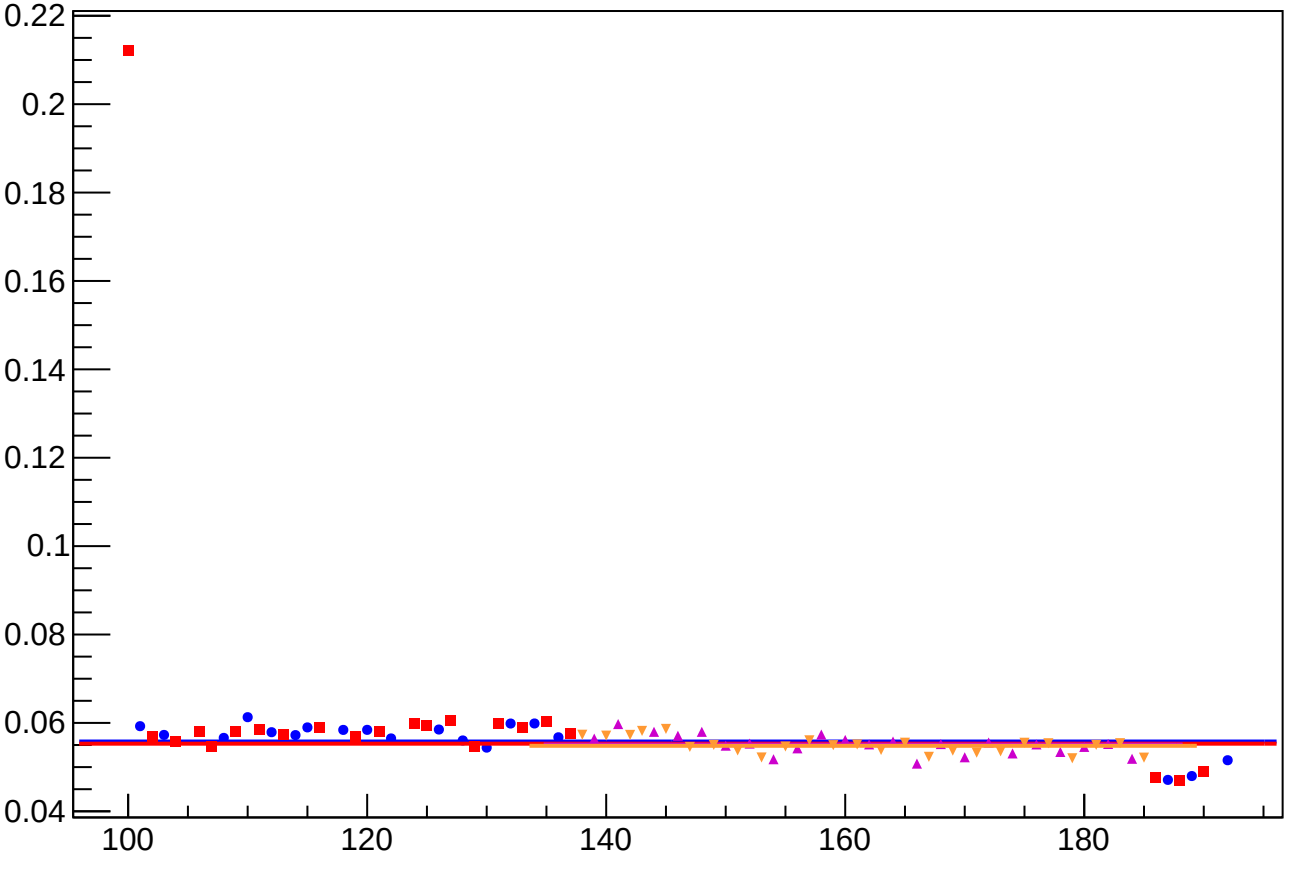
Right: -25.364+/-0.000 χ^2/NDF: 6342626978.2/40

In: -25.403+/-0.000 χ^2/NDF:74943419.2/41

Out: -25.396+/-0.000 χ^2/NDF:6385664867.7/46

All: -25.399+/-0.000 χ^2/NDF: 6460835626.5/

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: 0.055+/-0.000 χ^2/NDF: 211216.5/21

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

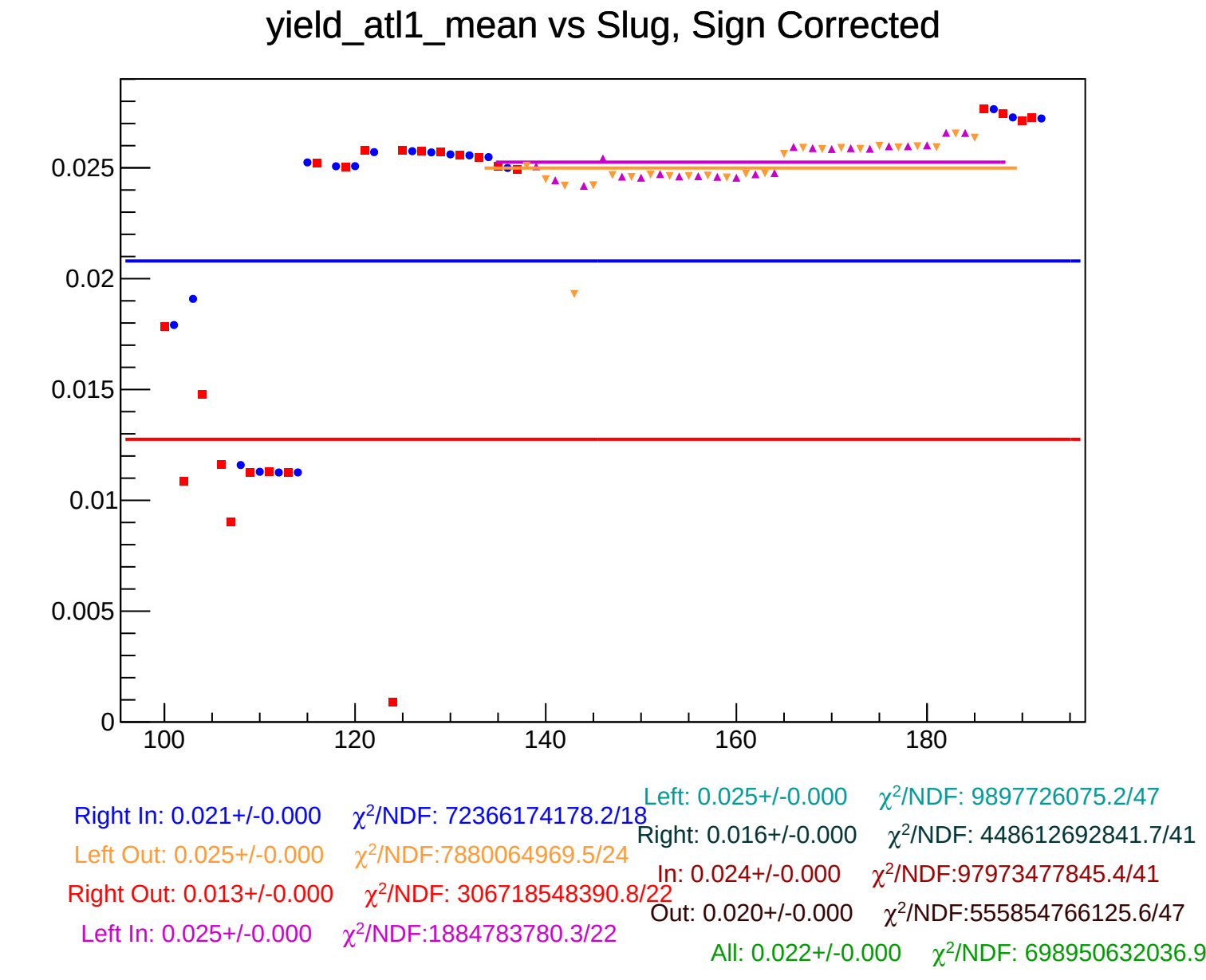
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

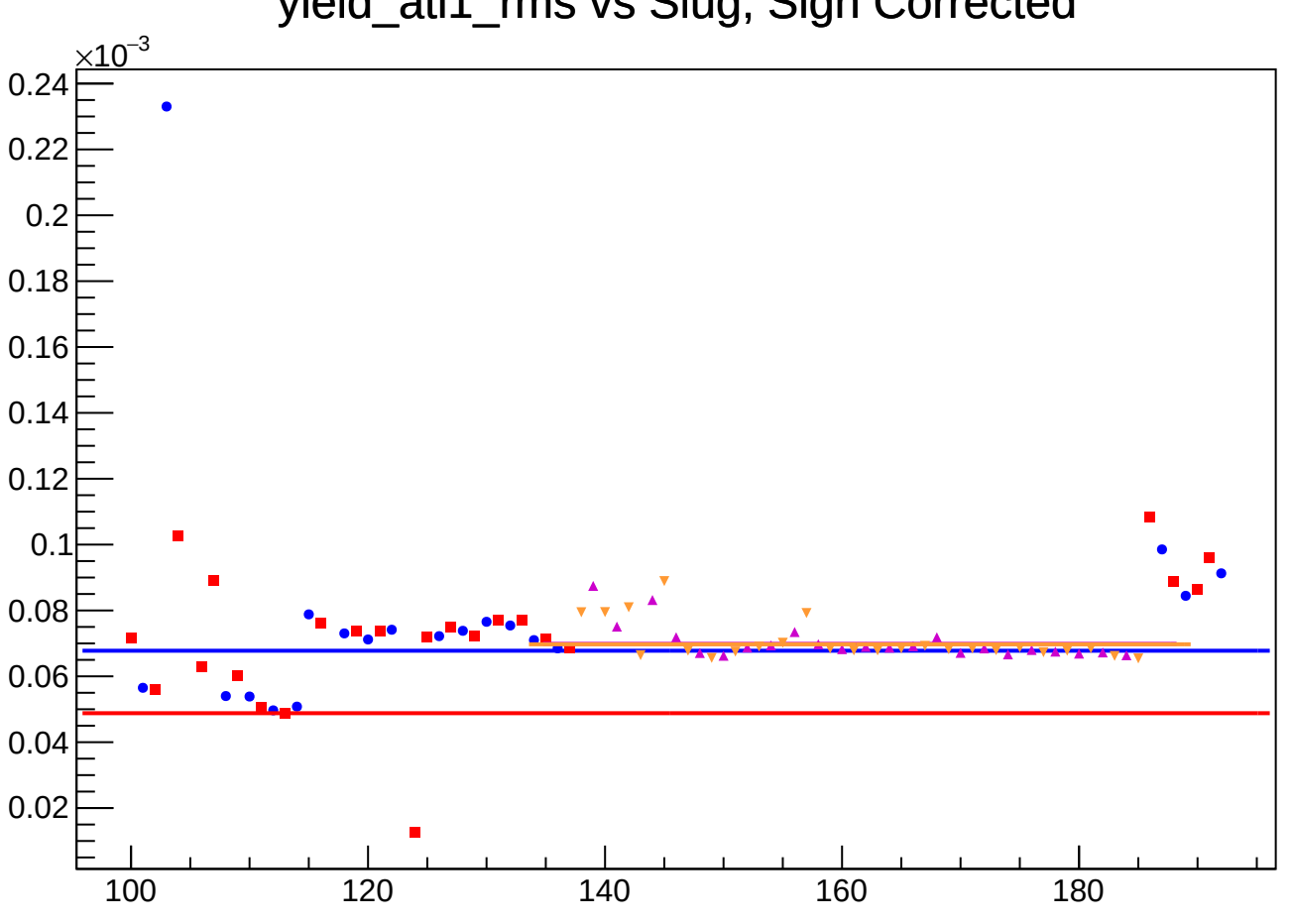
Right: 0.056+/-0.000 χ^2/NDF: 292072.7/40

In: 0.055+/-0.000 χ^2/NDF:133432.6/41

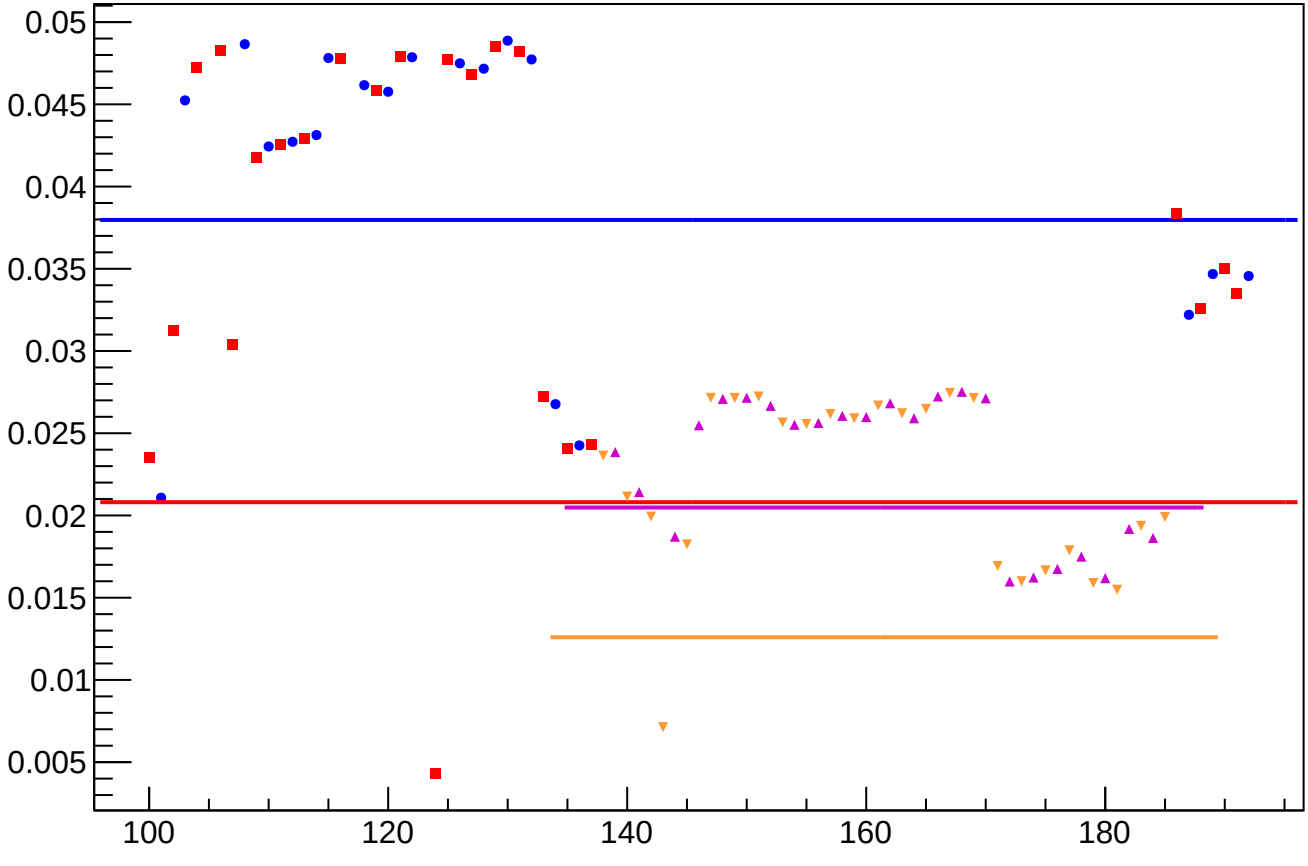
Out: 0.055+/-0.000 χ^2/NDF:250210.6/46

All: 0.055+/-0.000 χ^2/NDF: 384759.4/88


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
Right In: 0.021+/-0.000 χ²/NDF: 72366174178.2/18
Left Out: 0.025+/-0.000 χ²/NDF:7880064969.5/24
Right Out: 0.013+/-0.000 χ²/NDF: 306718548390.8/22
Left In: 0.025+/-0.000 χ²/NDF:1884783780.3/22
Left: 0.025+/-0.000 χ²/NDF: 9897726075.2/47
Right: 0.016+/-0.000 χ²/NDF: 448612692841.7/41
In: 0.024+/-0.000 χ²/NDF:97973477845.4/41
Out: 0.020+/-0.000 χ²/NDF:555854766125.6/47
All: 0.022+/-0.000 χ²/NDF: 698950632036.9


yield_atl1_rms vs Slug, Sign Corrected
×10⁻³
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 1047020.8/18
Left Out: 0.000+/-0.000 χ²/NDF:188211.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 4723204.1/22
Left In: 0.000+/-0.000 χ²/NDF:152421.9/22
Left: 0.000+/-0.000 χ²/NDF: 340709.7/47
Right: 0.000+/-0.000 χ²/NDF: 6543887.7/41
In: 0.000+/-0.000 χ²/NDF:1209910.5/41
Out: 0.000+/-0.000 χ²/NDF:6322189.3/47
All: 0.000+/-0.000 χ²/NDF: 7926753.7/89

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: 43457826925.4/22

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

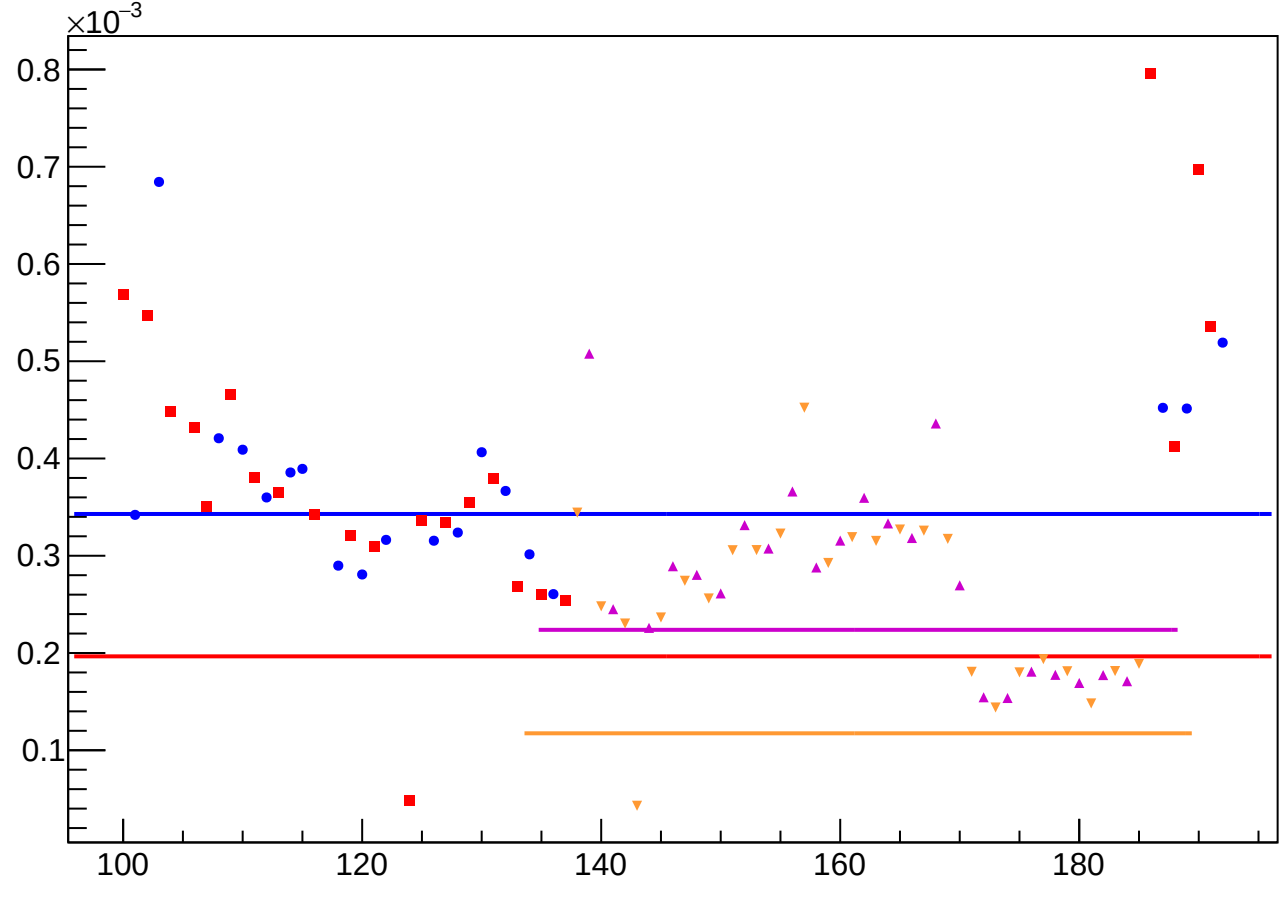
Right: 0.027+/-0.000 χ^2/NDF: 63506037462.4/41

In: 0.024+/-0.000 χ^2/NDF:29819285080.7/41

Out: 0.014+/-0.000 χ^2/NDF:88245446425.4/47

All: 0.017+/-0.000 χ^2/NDF: 143078806847.8

yield_atl2_rms vs Slug, Sign Corrected



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: 7205415.1/22

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

Left: 0.000+/-0.000 χ^2/NDF: 22654672.2/47

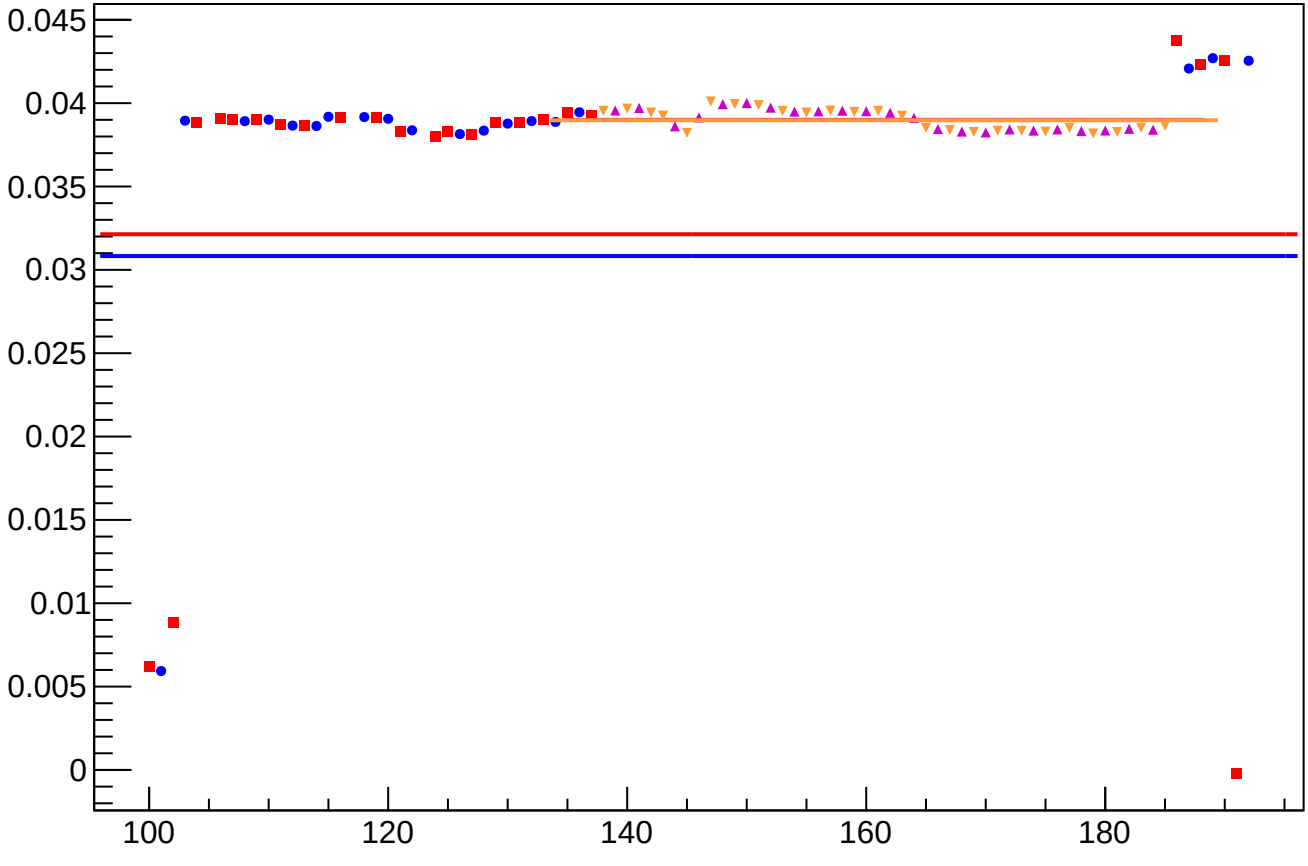
Right: 0.000+/-0.000 χ^2/NDF: 9986056.5/41

In: 0.000+/-0.000 χ^2/NDF:5831618.3/41

Out: 0.000+/-0.000 χ^2/NDF:22979950.1/47

All: 0.000+/-0.000 χ^2/NDF: 35812925.2/89

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: 0.032+/-0.000 χ^2/NDF: 107032462538.1/22

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

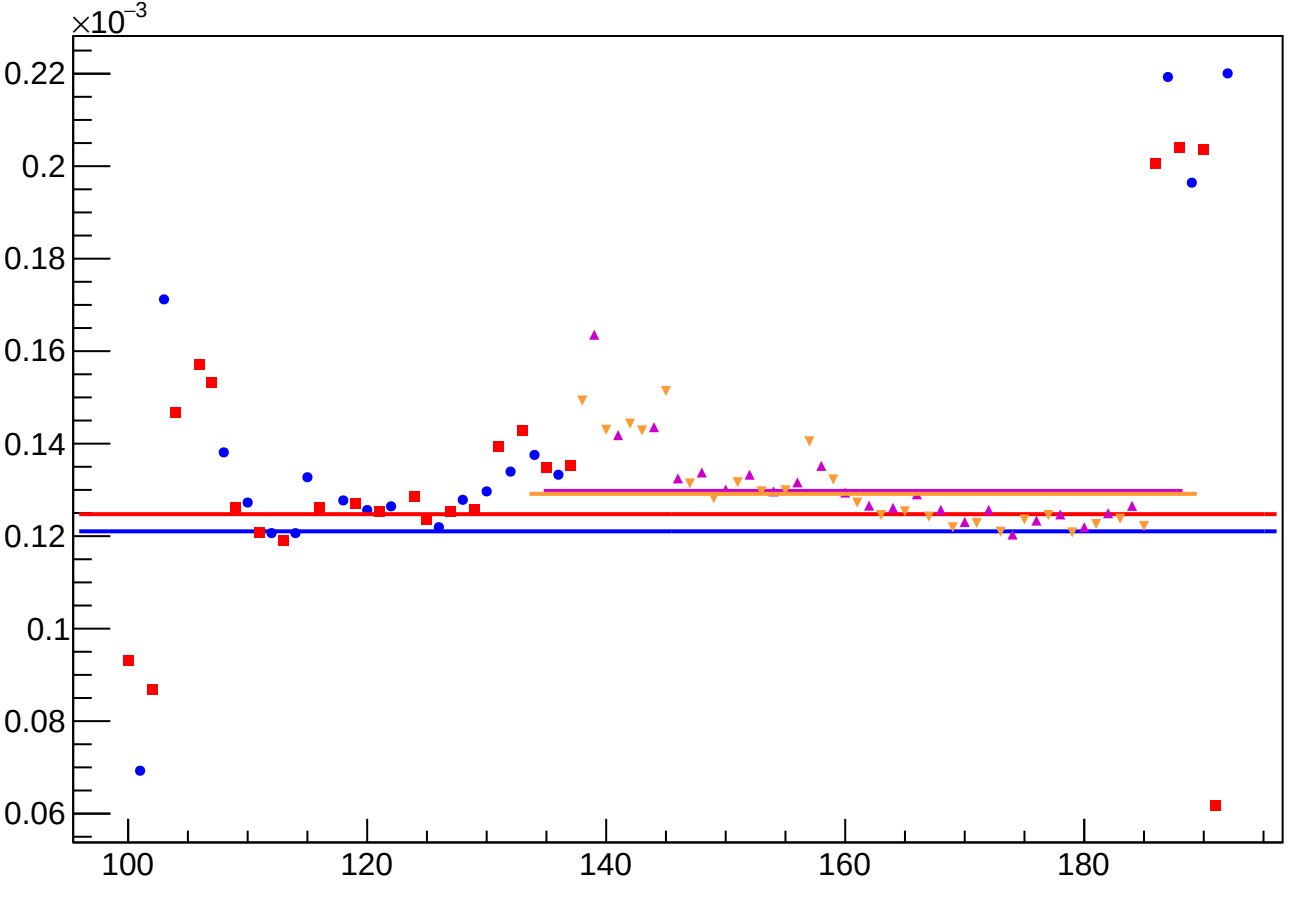
Right: 0.031+/-0.000 χ^2/NDF: 221218548578.2/41

In: 0.036+/-0.000 χ^2/NDF:138131971526.5/41

Out: 0.037+/-0.000 χ^2/NDF:124514141540.0/47

All: 0.037+/-0.000 χ^2/NDF: 262891399150.2

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1510463.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1151126.5/22

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

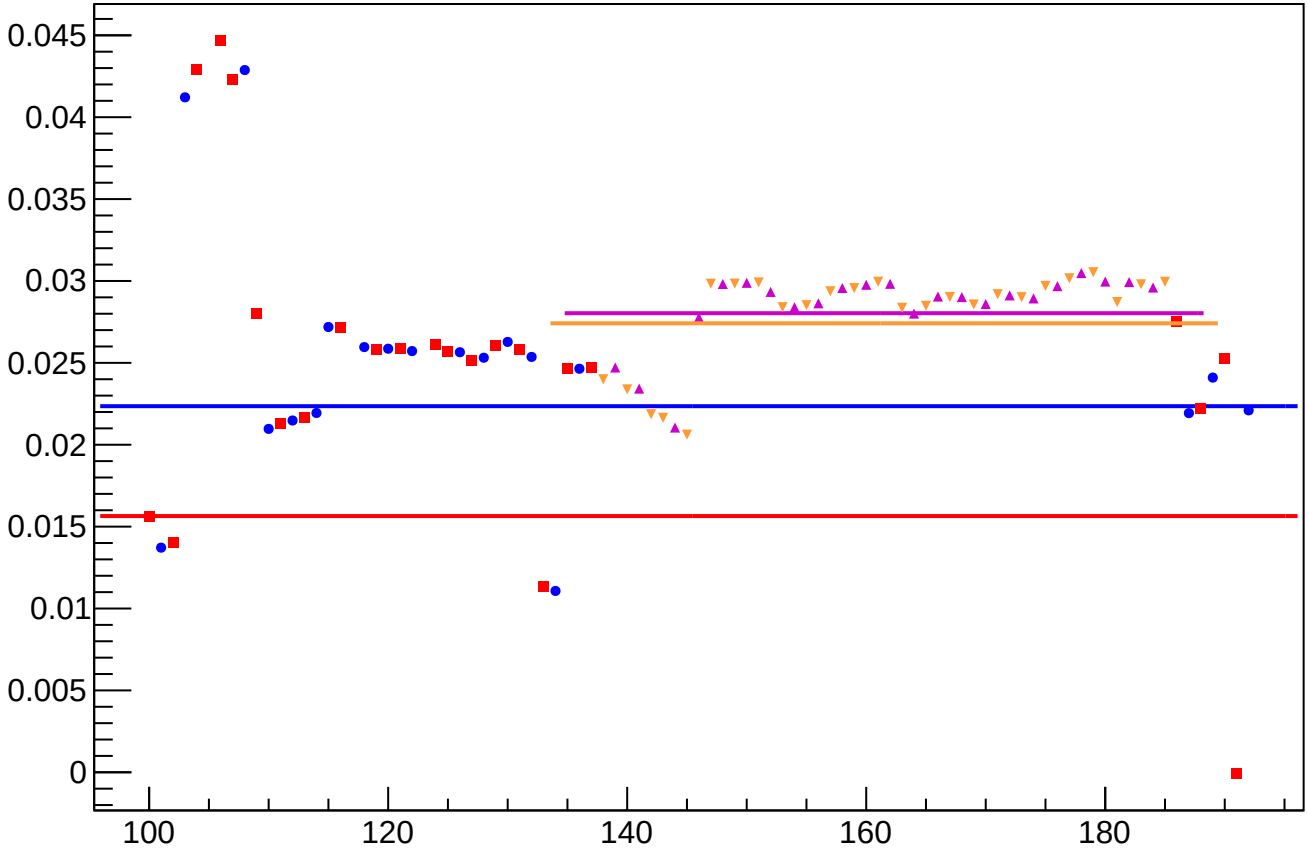
Right: 0.000+/-0.000 χ^2/NDF: 2669038.9/41

In: 0.000+/-0.000 χ^2/NDF:1707163.9/41

Out: 0.000+/-0.000 χ^2/NDF:1322719.0/47

All: 0.000+/-0.000 χ^2/NDF: 3031269.6/89

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: 24599058824.9/22

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

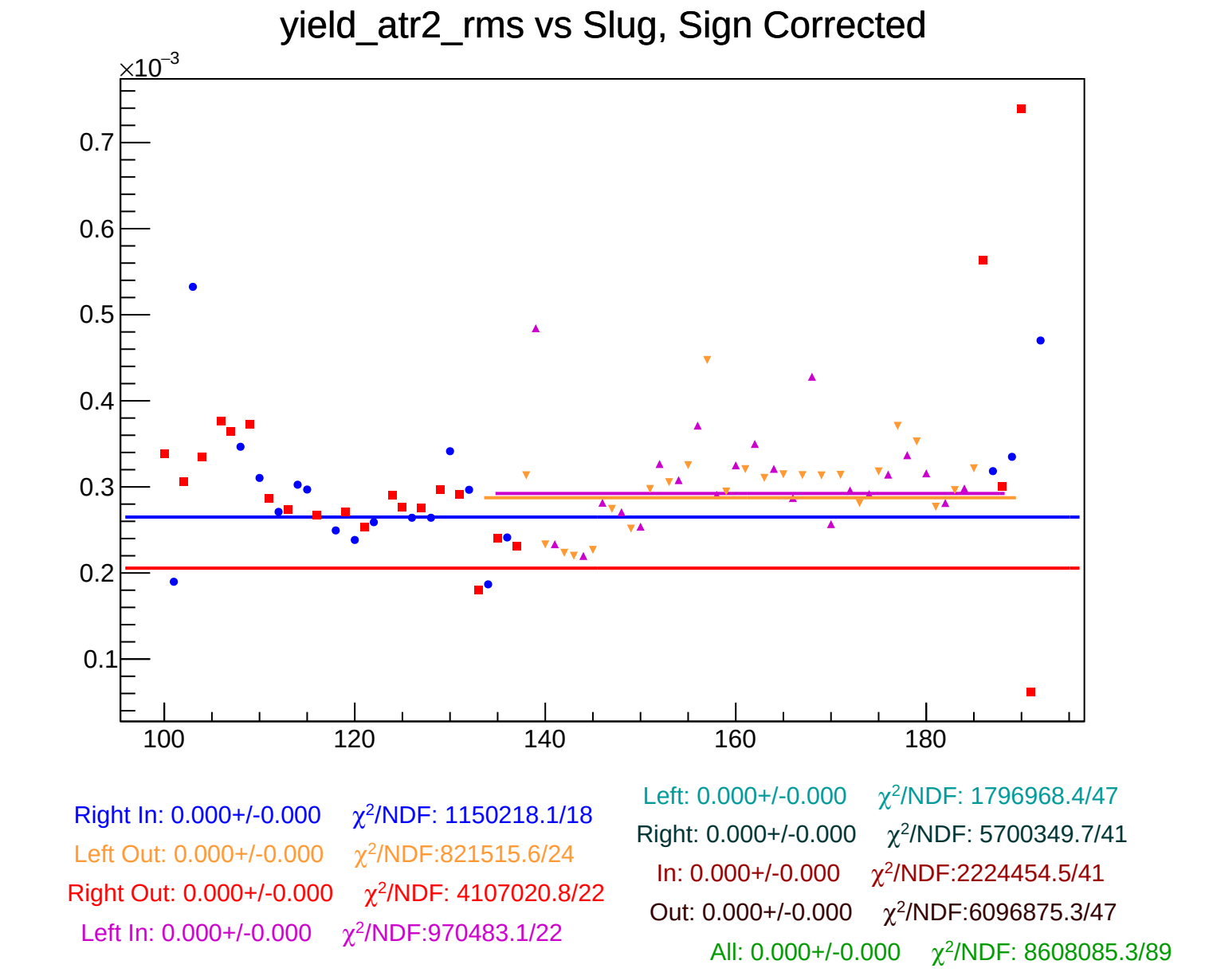
Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

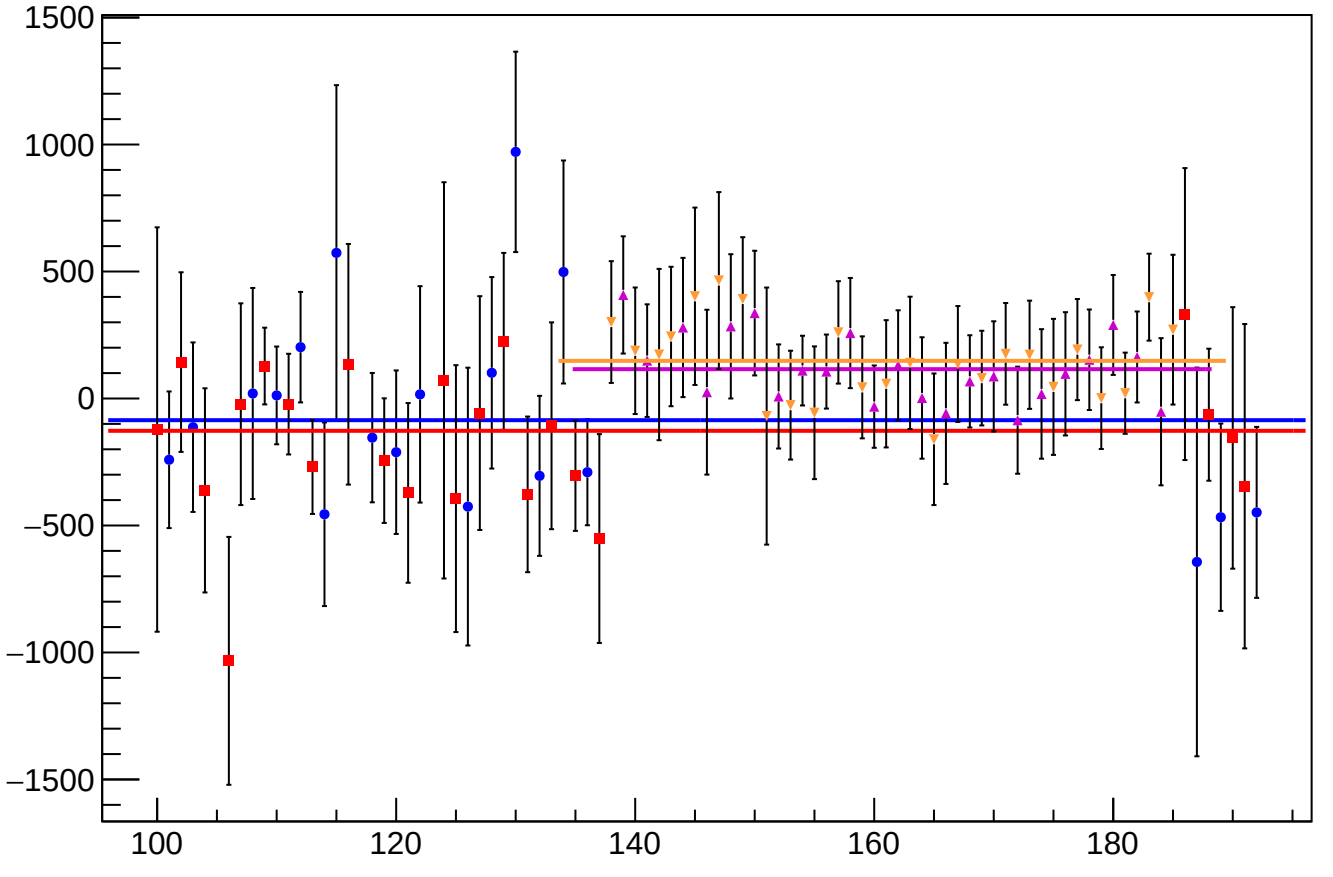
Right: 0.018+/-0.000 χ^2/NDF: 32455830850.9/41

In: 0.026+/-0.000 χ^2/NDF:8744056792.0/41

Out: 0.022+/-0.000 χ^2/NDF:38949549358.9/47

All: 0.024+/-0.000 χ^2/NDF: 49743864178.2/8


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: 4107020.8/22
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: 5700349.7/41
In: 0.000+/-0.000 χ²/NDF:2224454.5/41
Out: 0.000+/-0.000 χ²/NDF:6096875.3/47
All: 0.000+/-0.000 χ²/NDF: 8608085.3/89



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: -127.174+/-64.560 χ^2/NDF: 13.8/22

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

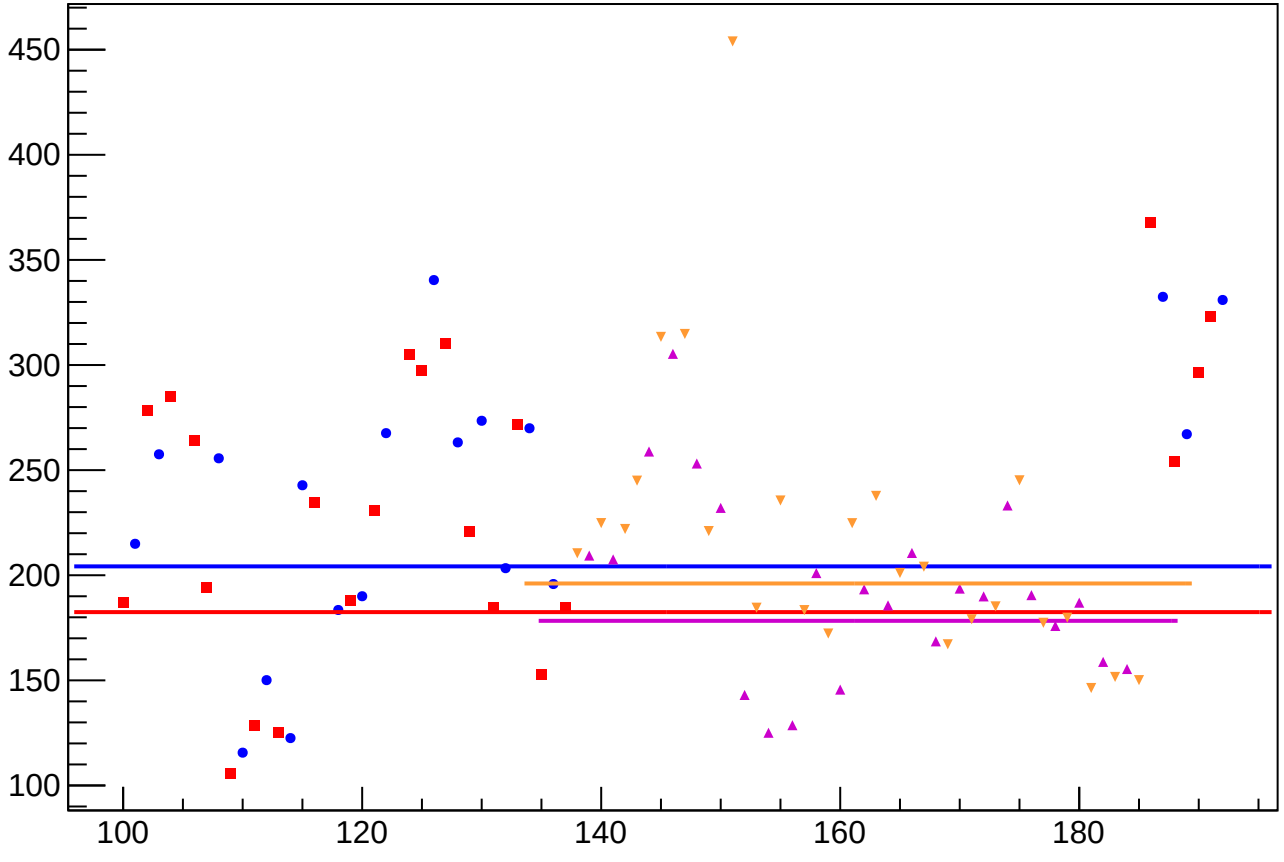
Right: -108.688+/-48.222 χ^2/NDF: 32.5/41

In: 62.227+/-37.347 χ^2/NDF:31.9/41

Out: 54.937+/-37.581 χ^2/NDF:36.2/47

All: 58.604+/-26.491 χ^2/NDF: 68.1/89

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: 182.466+/-0.046 χ^2/NDF: 2264584.2/22

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

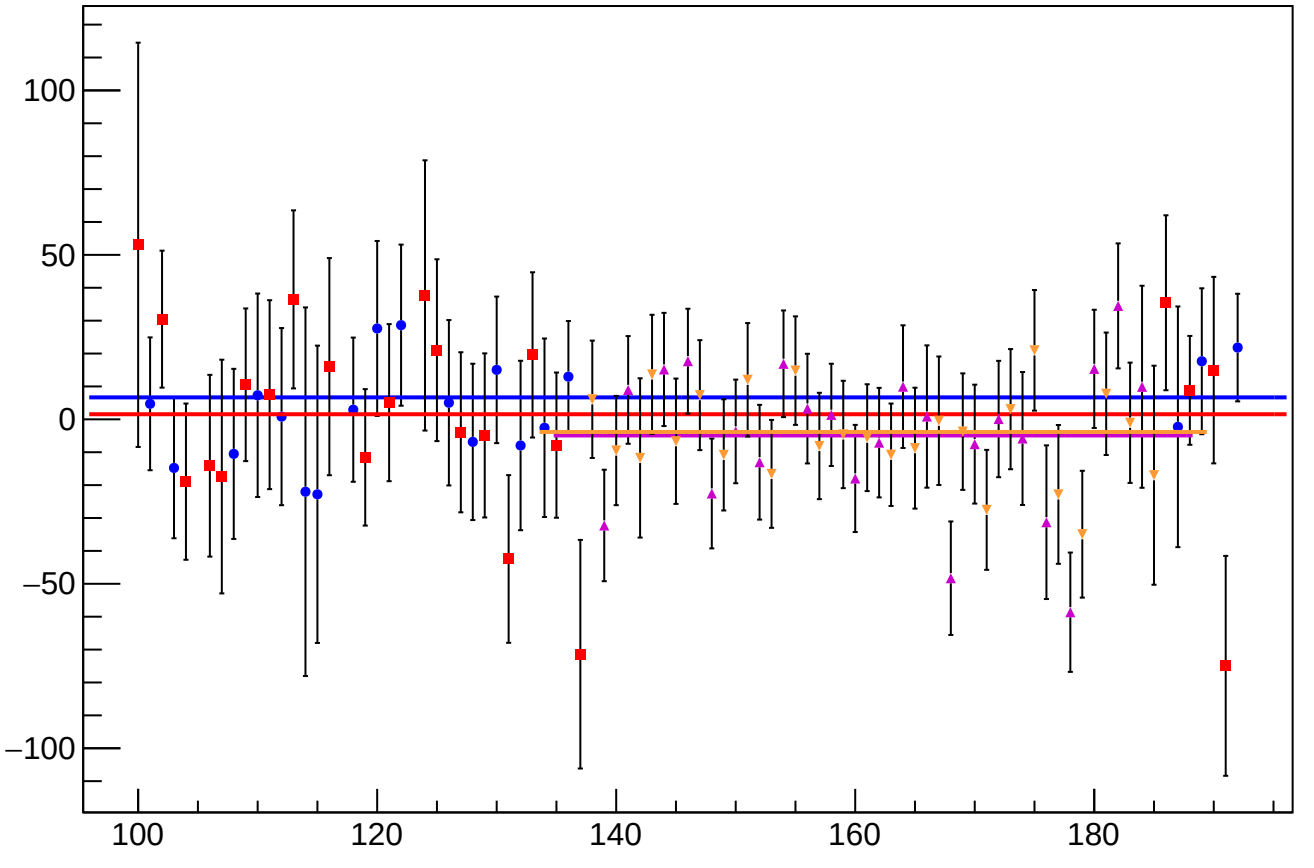
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 192.082+/-0.034 χ^2/NDF: 3848504.4/41

In: 185.186+/-0.026 χ^2/NDF:3349310.1/41

Out: 191.471+/-0.027 χ^2/NDF:4141937.3/47

All: 188.309+/-0.019 χ^2/NDF: 7519390.9/89



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: 1.551+/-5.401 χ^2/NDF: 23.2/22

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

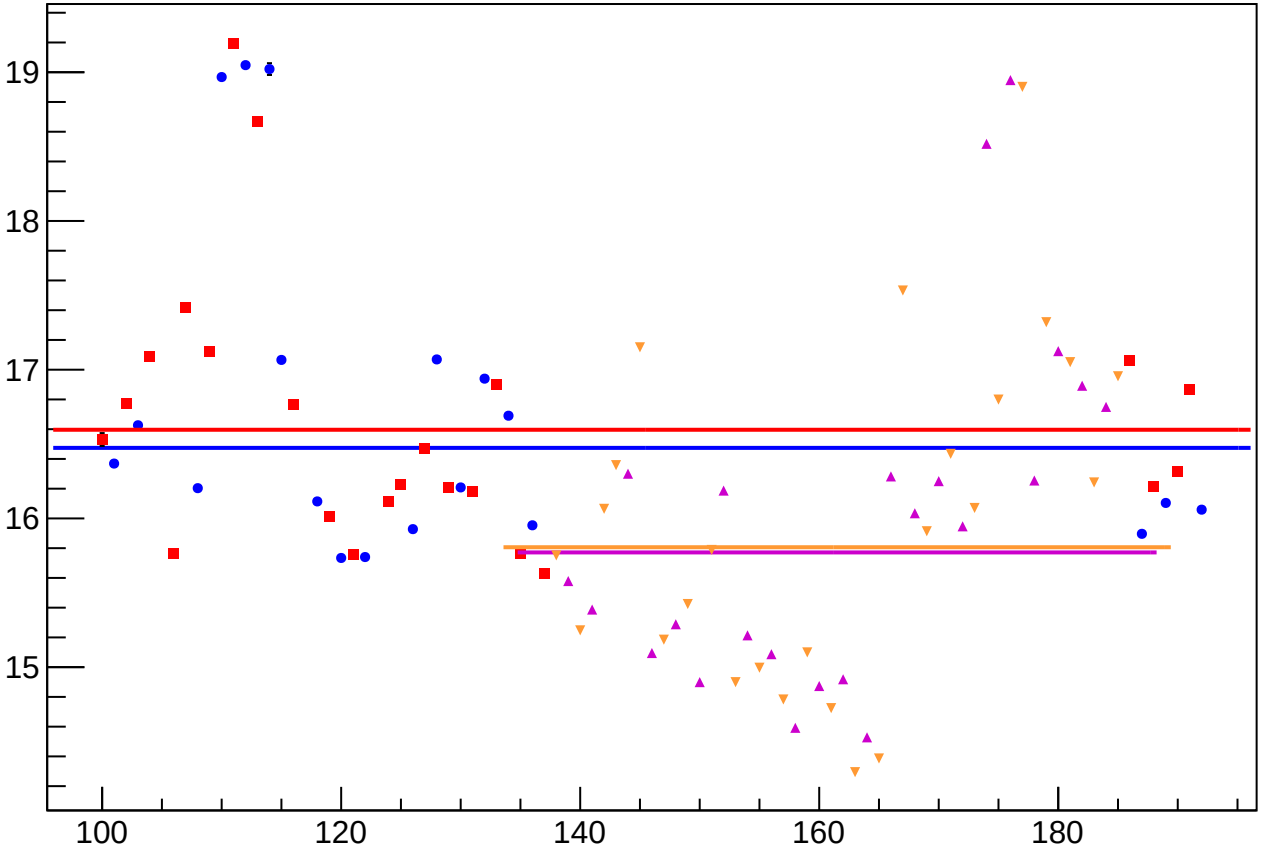
Right: 4.055+/-3.862 χ^2/NDF: 29.5/41

In: -1.324+/-3.071 χ^2/NDF:42.8/41

Out: -2.176+/-2.997 χ^2/NDF:36.7/47

All: -1.760+/-2.145 χ^2/NDF: 79.6/89

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: 16.596+/-0.004 χ^2/NDF: 45524.2/22

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

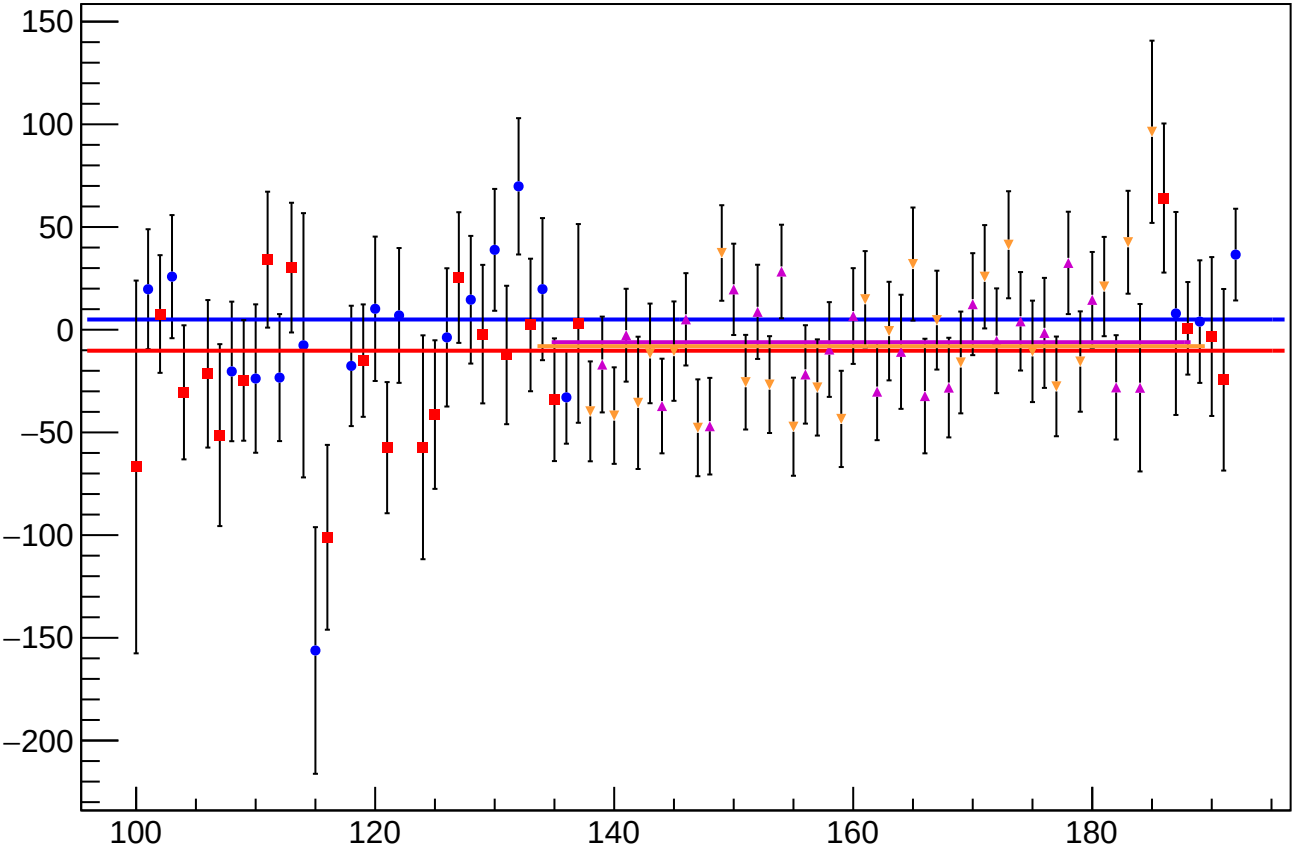
Right: 16.537+/-0.003 χ^2/NDF: 93513.5/41

In: 15.989+/-0.002 χ^2/NDF:222003.3/41

Out: 16.050+/-0.002 χ^2/NDF:247779.9/47

All: 16.020+/-0.002 χ^2/NDF: 470184.5/89

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



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: -10.220+/-7.122 χ^2/NDF: 20.3/22

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

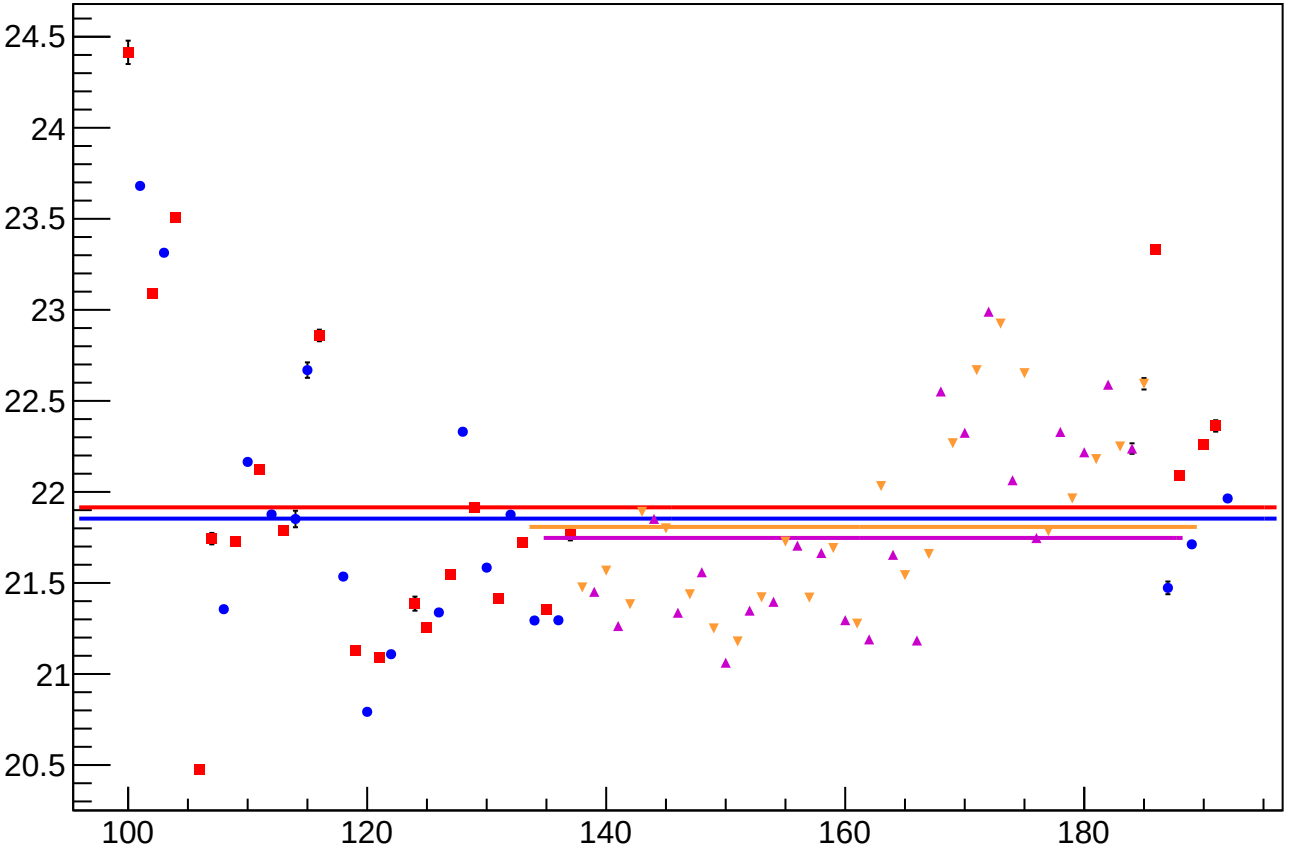
Right: -2.825+/-5.103 χ^2/NDF: 43.5/41

In: -2.487+/-4.173 χ^2/NDF:40.4/41

Out: -8.735+/-4.068 χ^2/NDF:59.2/47

All: -5.690+/-2.913 χ^2/NDF: 100.7/89

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: 21.915+/-0.005 χ^2/NDF: 22838.9/22

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

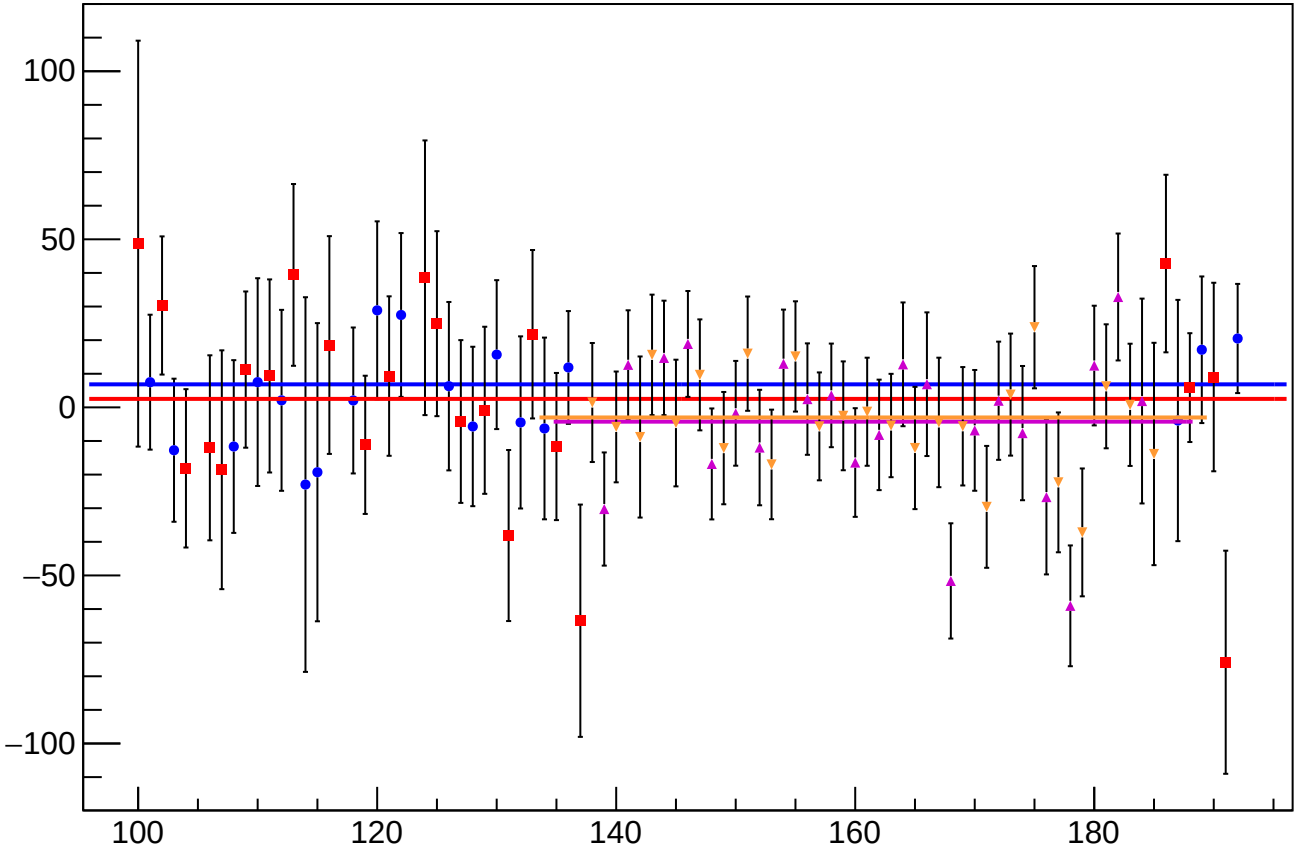
Right: 21.885+/-0.004 χ^2/NDF: 42593.9/41

In: 21.782+/-0.003 χ^2/NDF:40526.8/41

Out: 21.843+/-0.003 χ^2/NDF:40707.1/47

All: 21.813+/-0.002 χ^2/NDF: 81452.9/89

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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: 2.523+/-5.359 χ^2/NDF: 23.4/22

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

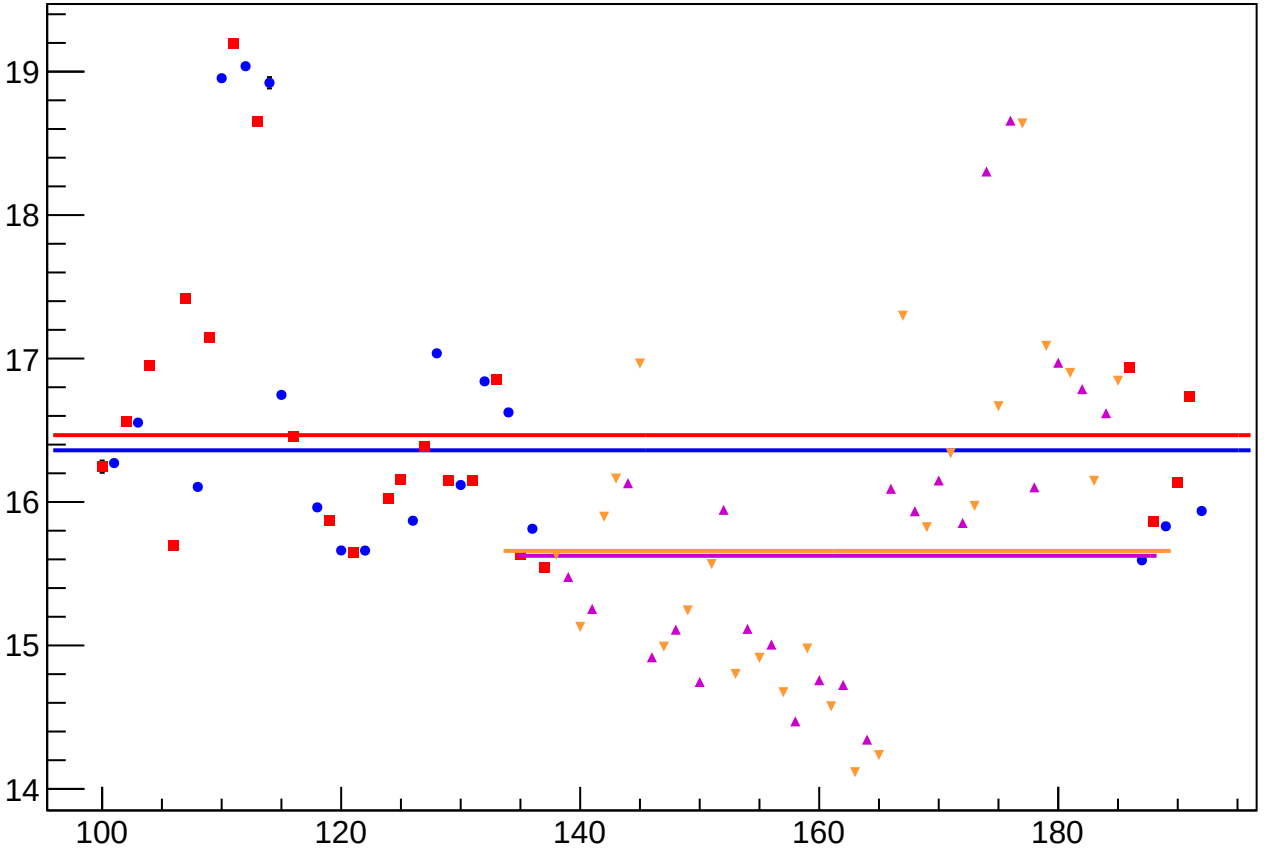
Right: 4.637+/-3.834 χ^2/NDF: 29.2/41

In: -0.830+/-3.045 χ^2/NDF:42.1/41

Out: -1.305+/-2.970 χ^2/NDF:38.8/47

All: -1.073+/-2.126 χ^2/NDF: 80.9/89

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: 16.466+/-0.004 χ^2/NDF: 50507.1/22

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

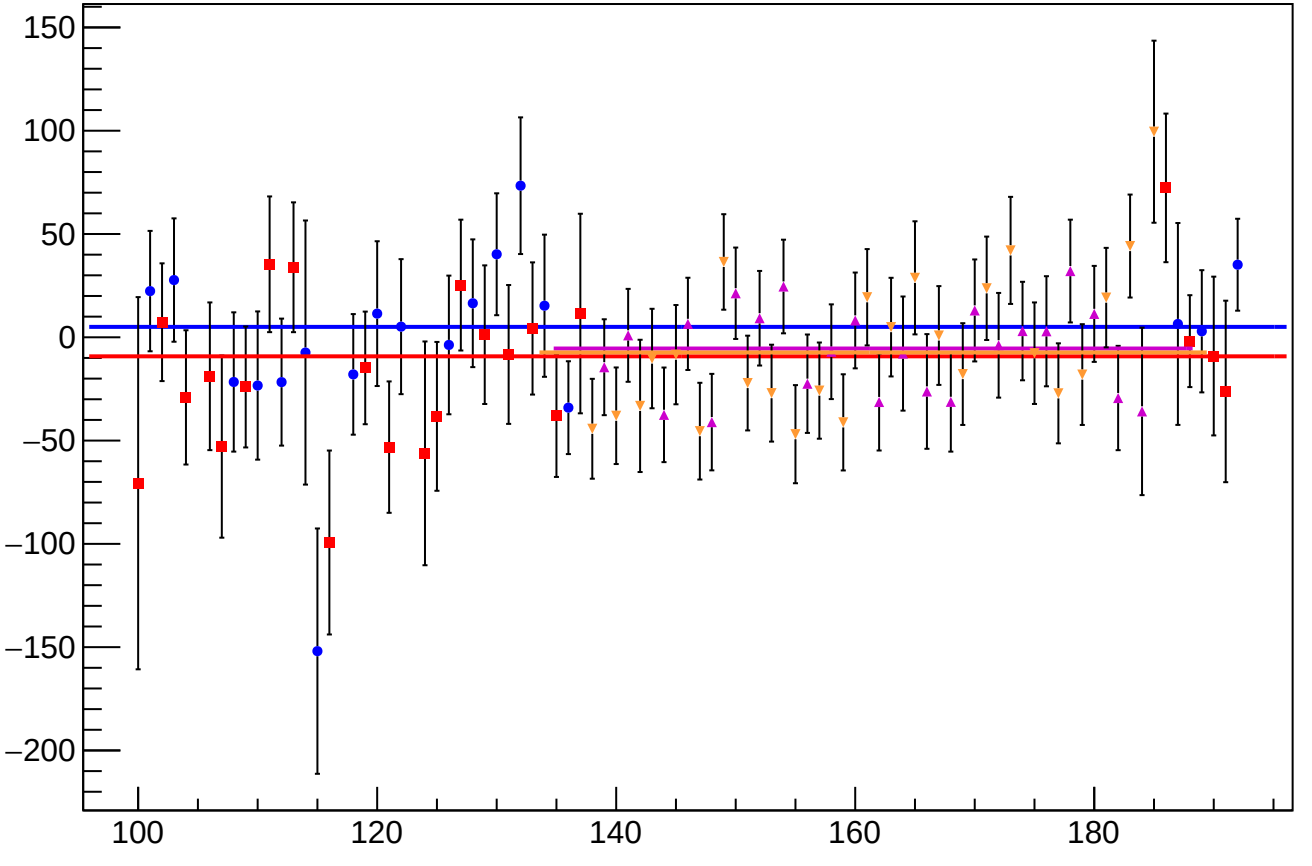
Right: 16.414+/-0.003 χ^2/NDF: 102349.5/41

In: 15.852+/-0.002 χ^2/NDF:226751.3/41

Out: 15.907+/-0.002 χ^2/NDF:251769.0/47

All: 15.880+/-0.002 χ^2/NDF: 478858.5/89

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: -9.215+/-7.080 χ^2/NDF: 21.6/22

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

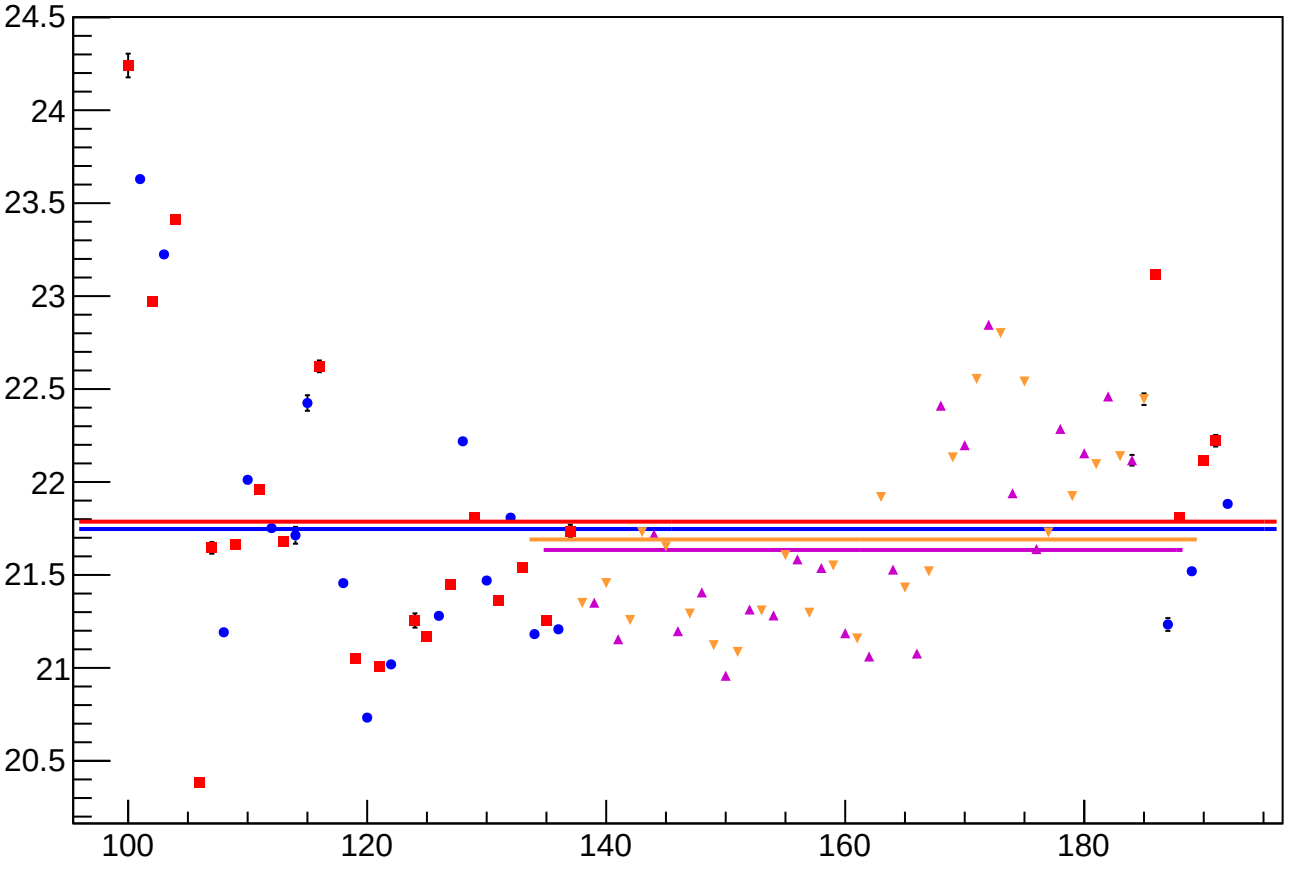
Right: -2.285+/-5.075 χ^2/NDF: 45.1/41

In: -2.028+/-4.151 χ^2/NDF:40.1/41

Out: -7.937+/-4.045 χ^2/NDF:60.3/47

All: -5.059+/-2.897 χ^2/NDF: 101.5/89

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: 21.787+/-0.005 χ^2/NDF: 21697.7/22

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

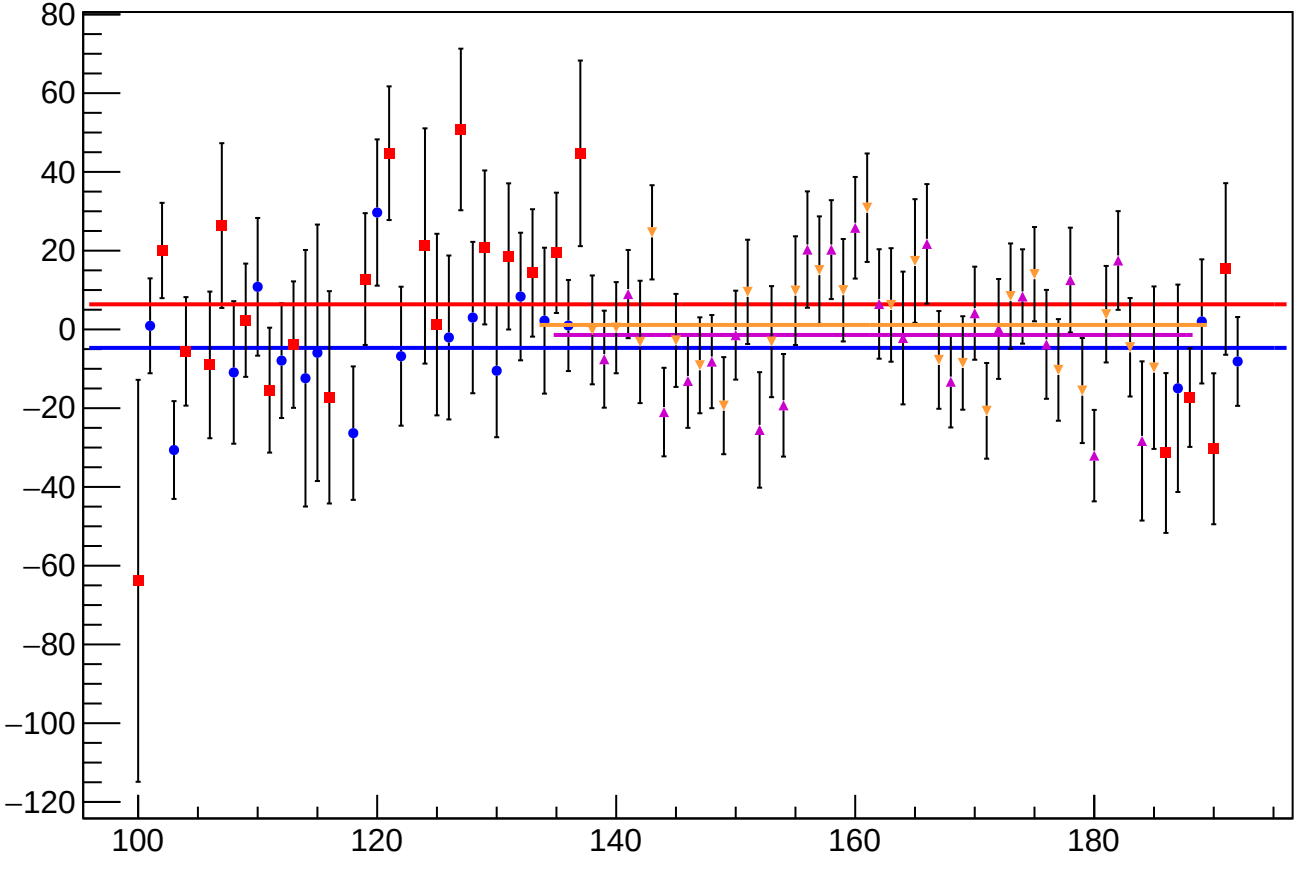
Right: 21.767+/-0.004 χ^2/NDF: 41892.0/41

In: 21.671+/-0.003 χ^2/NDF:41047.9/41

Out: 21.722+/-0.003 χ^2/NDF:39879.7/47

All: 21.697+/-0.002 χ^2/NDF: 81082.7/89

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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: 6.377+/-3.696 χ^2/NDF: 34.4/22

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

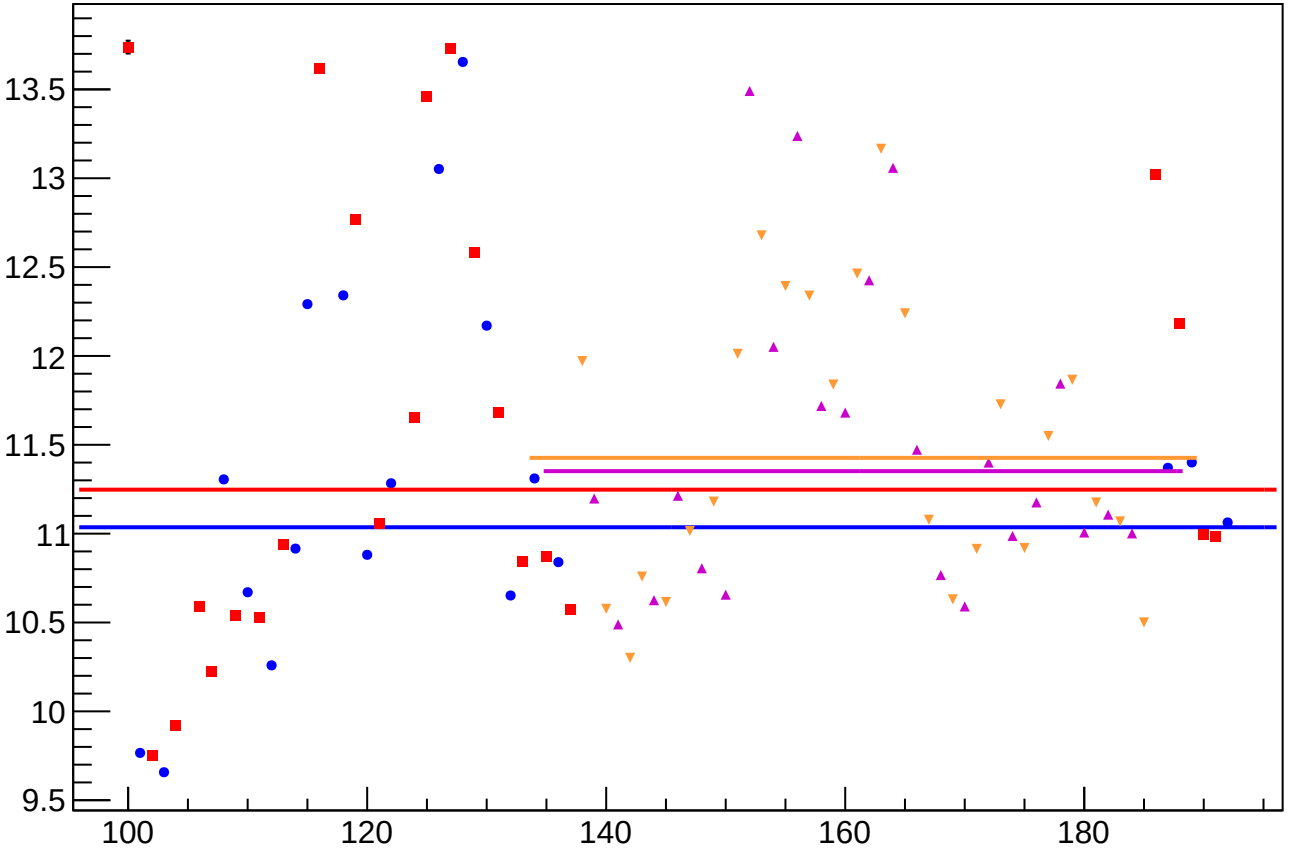
Right: 0.891+/-2.625 χ^2/NDF: 51.2/41

In: -2.522+/-2.173 χ^2/NDF:49.2/41

Out: 2.890+/-2.138 χ^2/NDF:60.2/47

All: 0.228+/-1.524 χ^2/NDF: 112.6/89

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: 11.248+/-0.003 χ^2/NDF: 192724.7/22

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

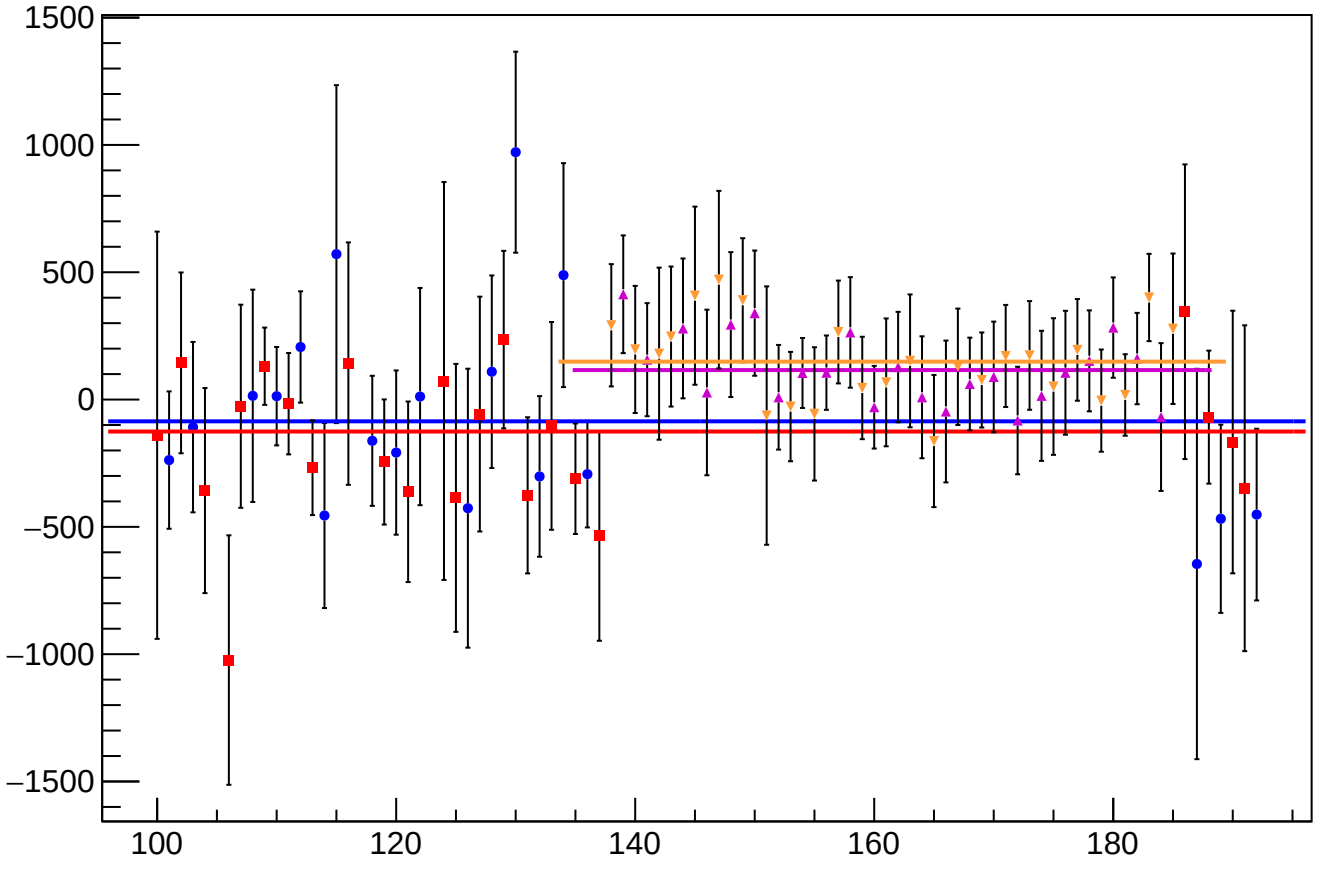
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 11.143+/-0.002 χ^2/NDF: 333696.5/41

In: 11.244+/-0.002 χ^2/NDF:317760.2/41

Out: 11.367+/-0.002 χ^2/NDF:352818.5/47

All: 11.307+/-0.001 χ^2/NDF: 673791.8/89



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: -125.574+/-64.766 χ^2/NDF: 13.7/22

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

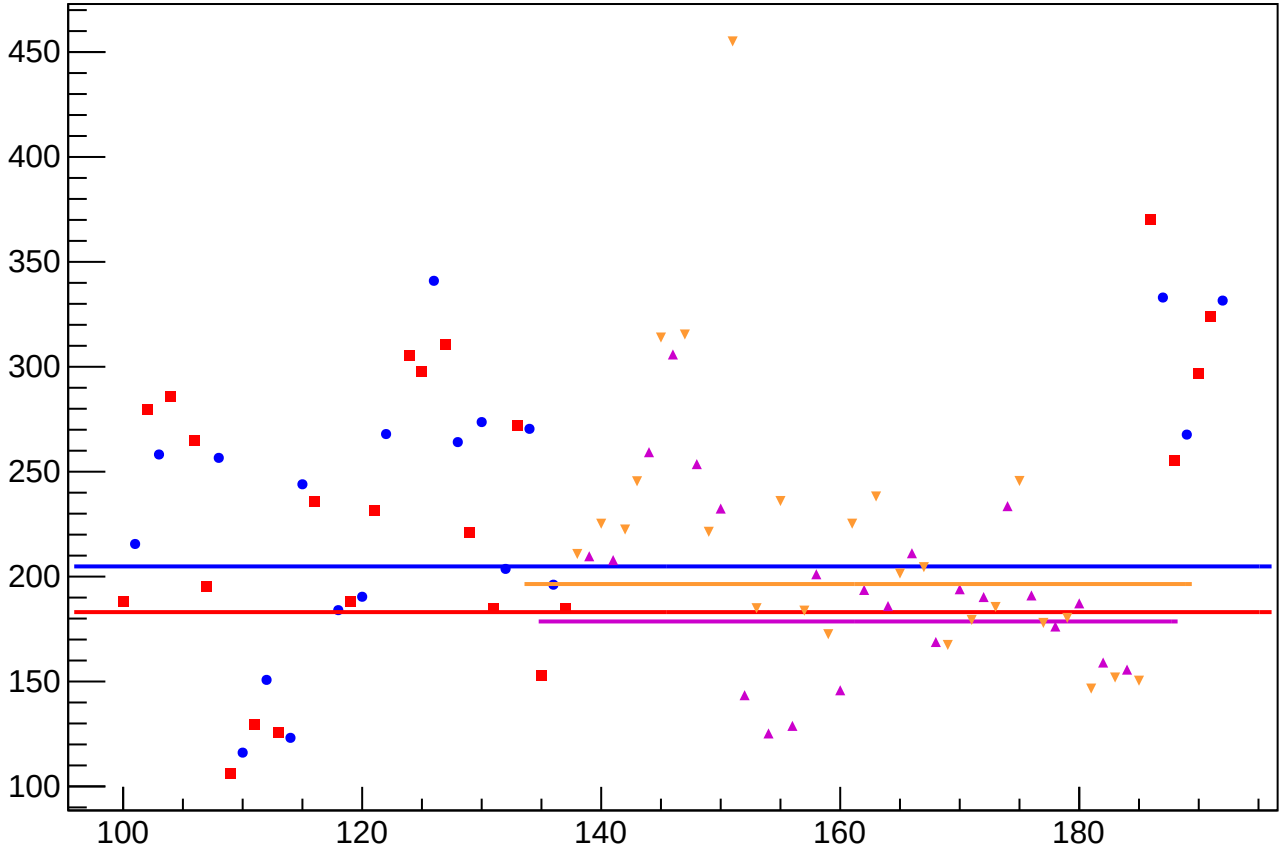
Right: -107.868+/-48.369 χ^2/NDF: 32.4/41

In: 62.436+/-37.421 χ^2/NDF:31.9/41

Out: 56.056+/-37.669 χ^2/NDF:36.1/47

All: 59.267+/-26.548 χ^2/NDF: 68.0/89

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: 183.076+/-0.046 χ^2/NDF: 2259882.2/22

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

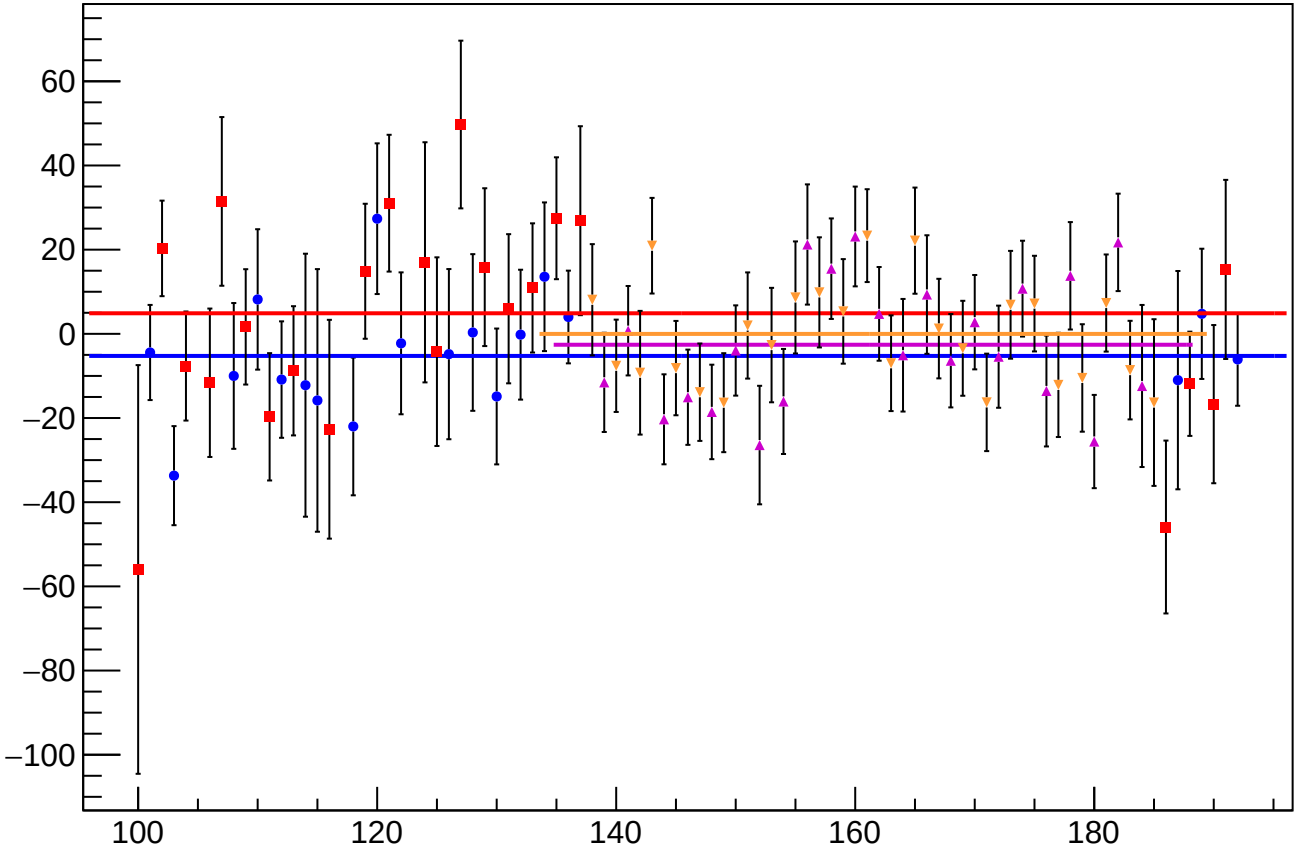
Right: 192.707+/-0.034 χ^2/NDF: 3835466.9/41

In: 185.560+/-0.026 χ^2/NDF:3345833.7/41

Out: 191.929+/-0.027 χ^2/NDF:4135098.1/47

All: 188.723+/-0.019 χ^2/NDF: 7509708.3/89

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: 4.885+/-3.543 χ^2/NDF: 33.4/22

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

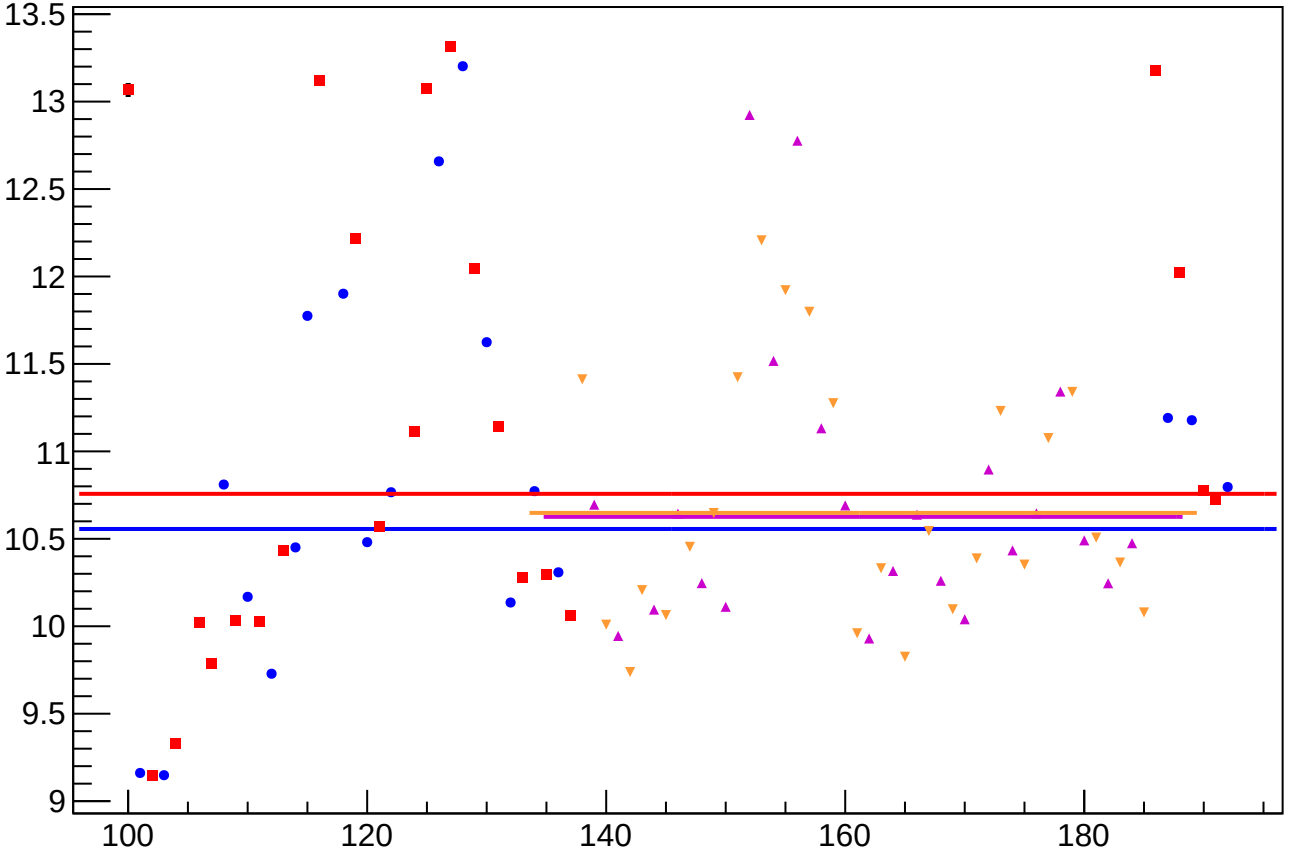
Right: -0.139+/-2.516 χ^2/NDF: 51.6/41

In: -3.467+/-2.052 χ^2/NDF:49.3/41

Out: 1.564+/-2.012 χ^2/NDF:58.4/47

All: -0.903+/-1.437 χ^2/NDF: 110.8/89

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: 10.757+/-0.003 χ^2/NDF: 241479.2/22

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

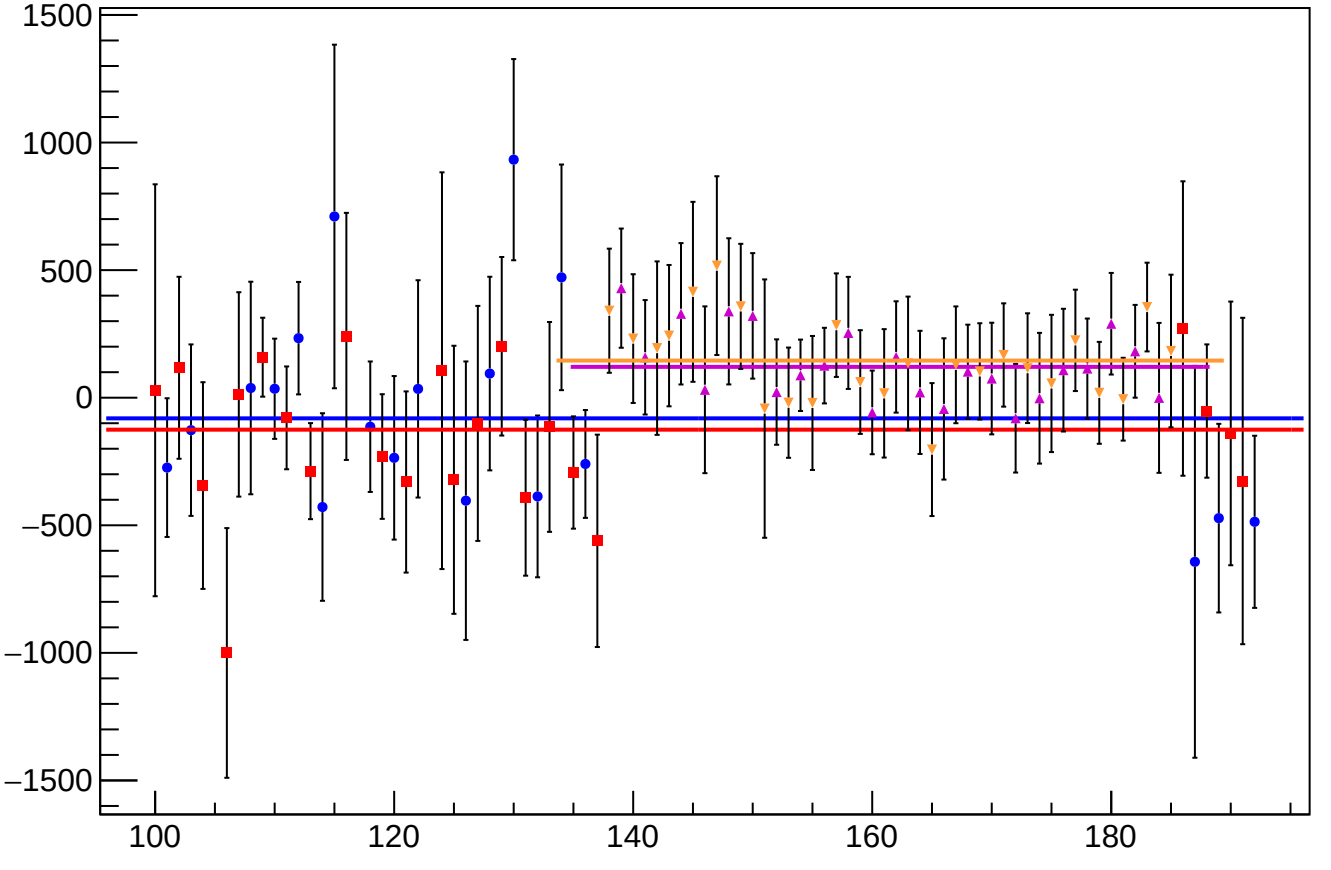
Right: 10.658+/-0.002 χ^2/NDF: 408359.6/41

In: 10.603+/-0.001 χ^2/NDF:323740.6/41

Out: 10.683+/-0.001 χ^2/NDF:386295.4/47

All: 10.644+/-0.001 χ^2/NDF: 711609.6/89

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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: -125.251+/-65.290 χ^2/NDF: 13.6/22

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

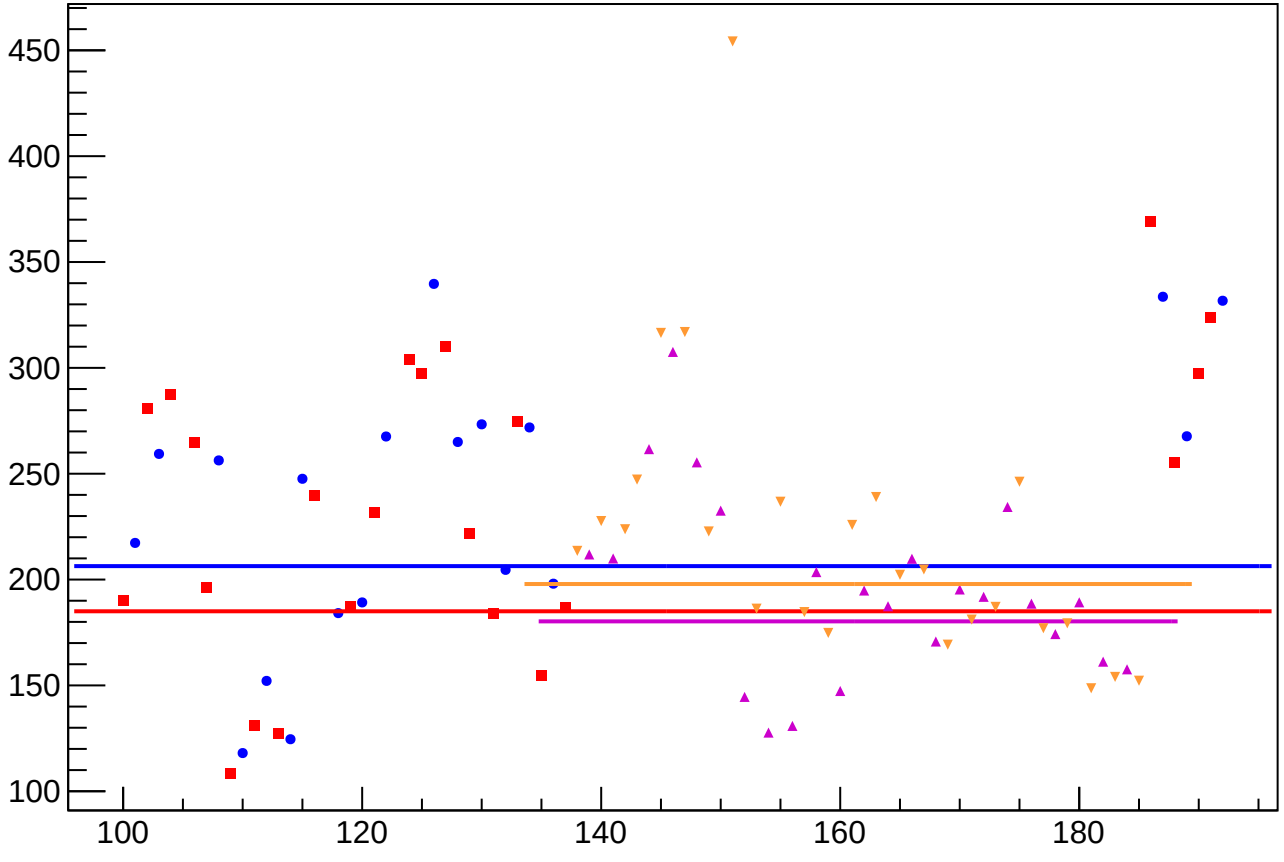
Right: -105.588+/-48.712 χ^2/NDF: 32.8/41

In: 67.296+/-37.702 χ^2/NDF:32.9/41

Out: 54.118+/-37.937 χ^2/NDF:35.2/47

All: 60.748+/-26.742 χ^2/NDF: 68.2/89

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: 185.013+/-0.046 χ^2/NDF: 2188004.8/22

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

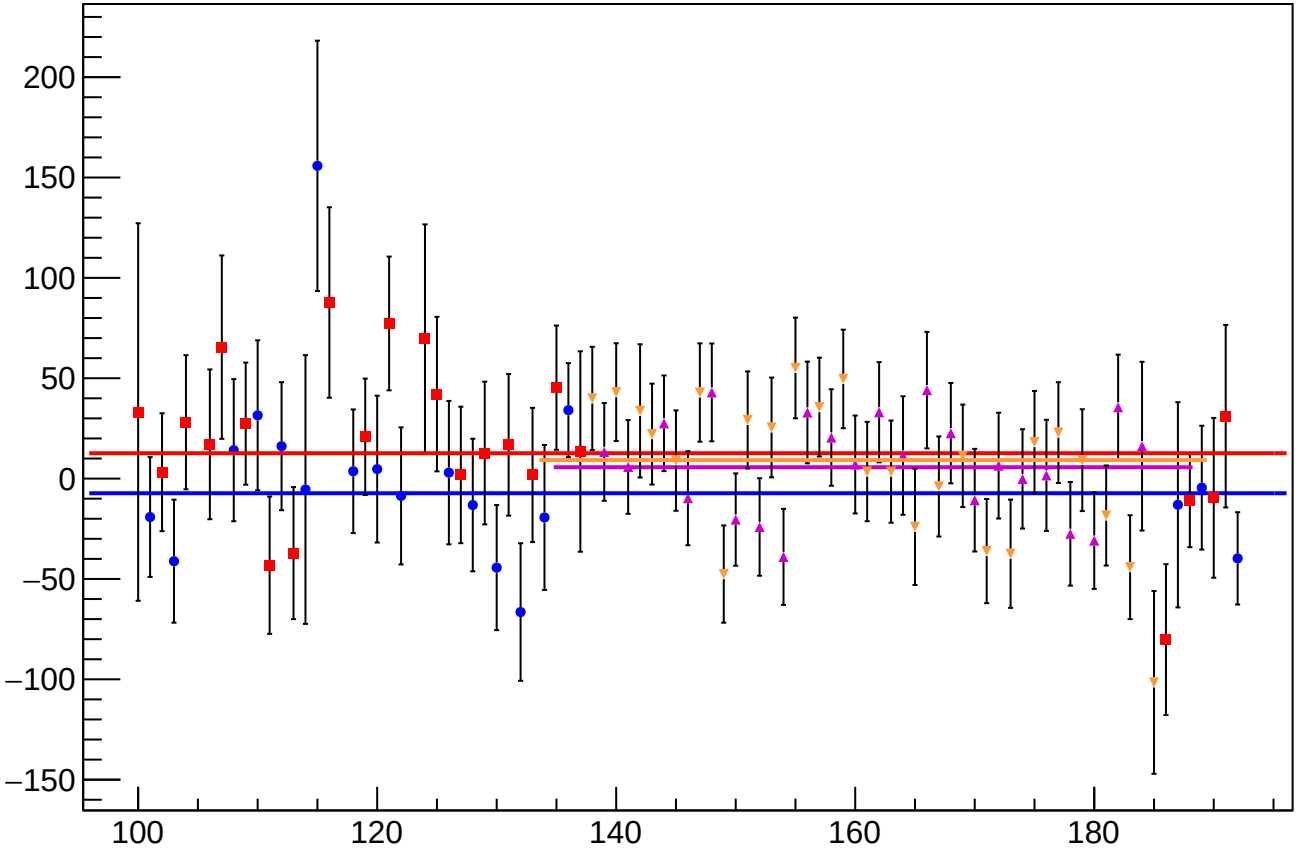
Right: 194.472+/-0.034 χ^2/NDF: 3716788.8/41

In: 187.180+/-0.027 χ^2/NDF:3248833.2/41

Out: 193.543+/-0.027 χ^2/NDF:4028389.4/47

All: 190.342+/-0.019 χ^2/NDF: 7305524.9/89

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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: 12.643+/-7.414 χ^2/NDF: 23.8/22

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

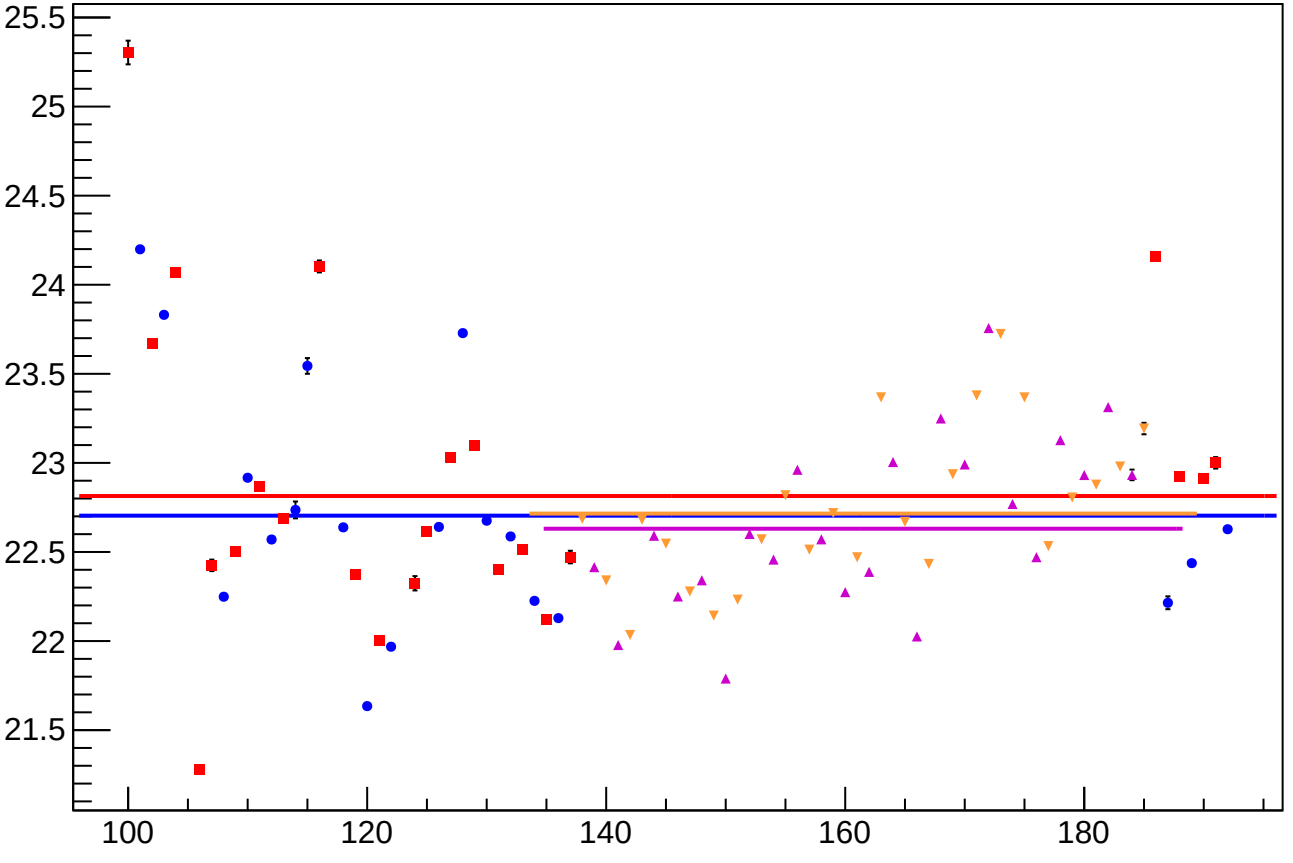
Right: 2.919+/-5.307 χ^2/NDF: 47.5/41

In: 1.440+/-4.340 χ^2/NDF:43.0/41

Out: 10.347+/-4.236 χ^2/NDF:63.3/47

All: 6.001+/-3.031 χ^2/NDF: 108.5/89

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: 22.814+/-0.005 χ^2/NDF: 17379.5/22

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

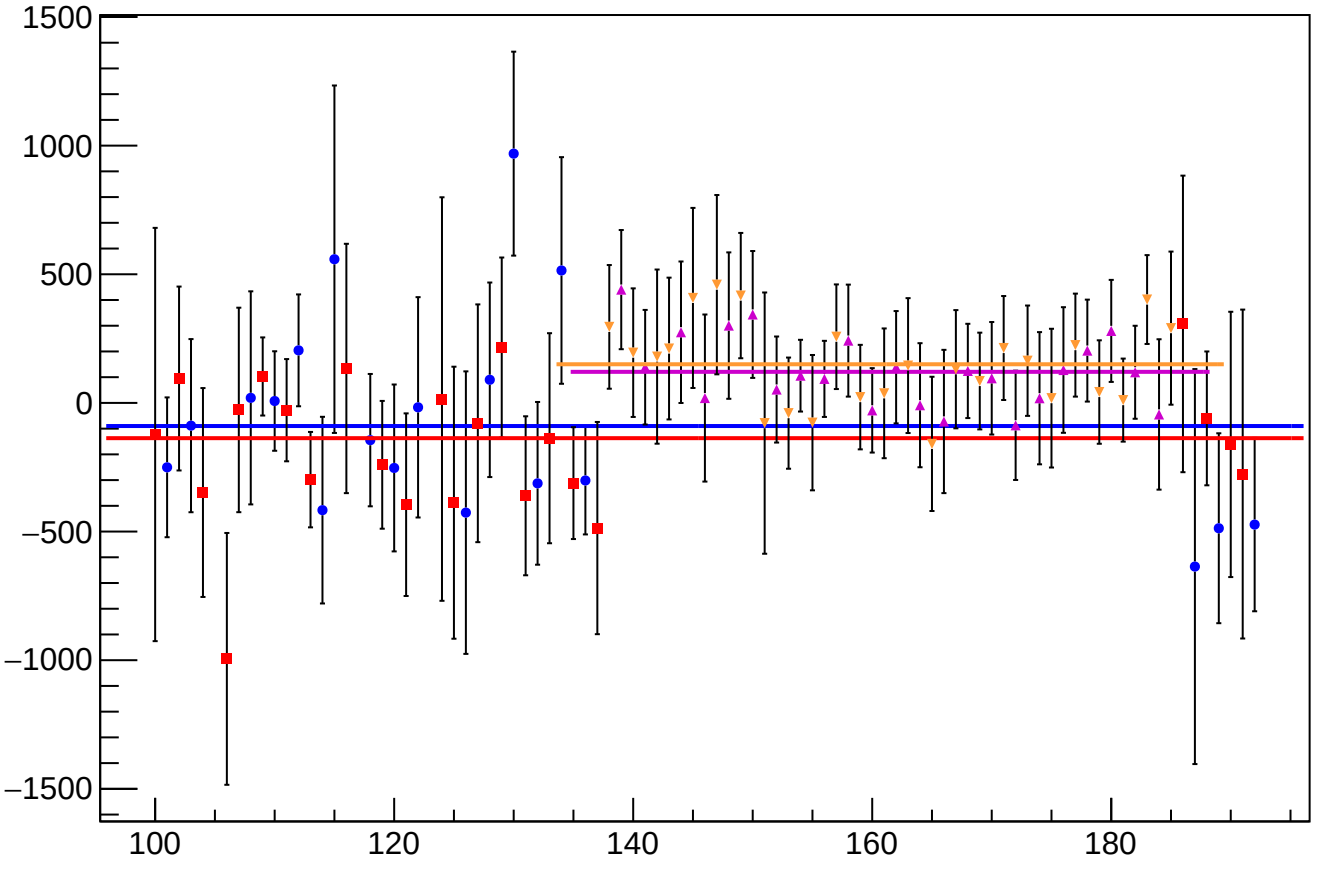
Right: 22.760+/-0.004 χ^2/NDF: 32625.7/41

In: 22.654+/-0.003 χ^2/NDF:30547.0/41

Out: 22.748+/-0.003 χ^2/NDF:29799.5/47

All: 22.702+/-0.002 χ^2/NDF: 60819.2/89

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: -137.027+/-64.854 χ^2/NDF: 12.3/22

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

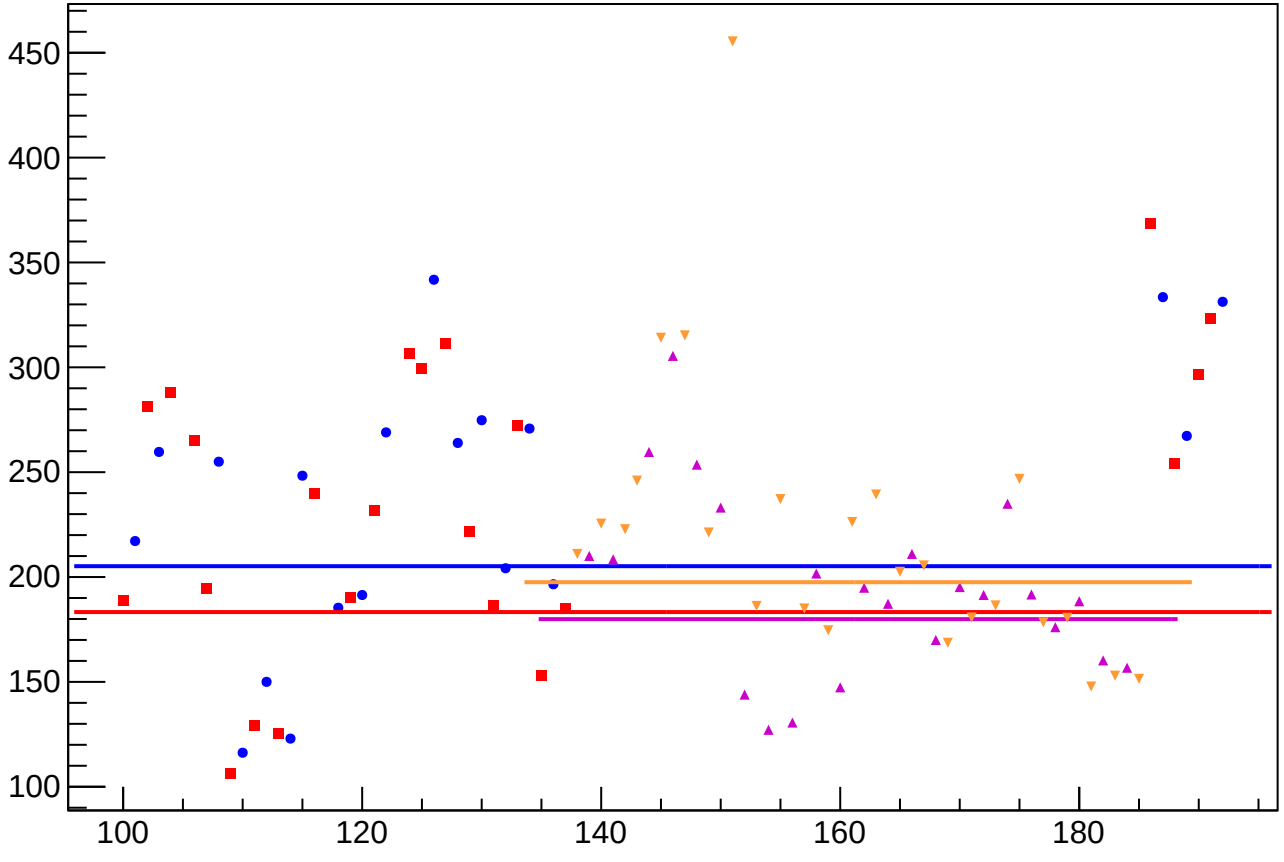
Right: -116.169+/-48.441 χ^2/NDF: 31.2/41

In: 64.621+/-37.614 χ^2/NDF:32.7/41

Out: 52.591+/-37.809 χ^2/NDF:36.2/47

All: 58.637+/-26.666 χ^2/NDF: 69.0/89

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: 183.296+/-0.046 χ^2/NDF: 2272031.4/22

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

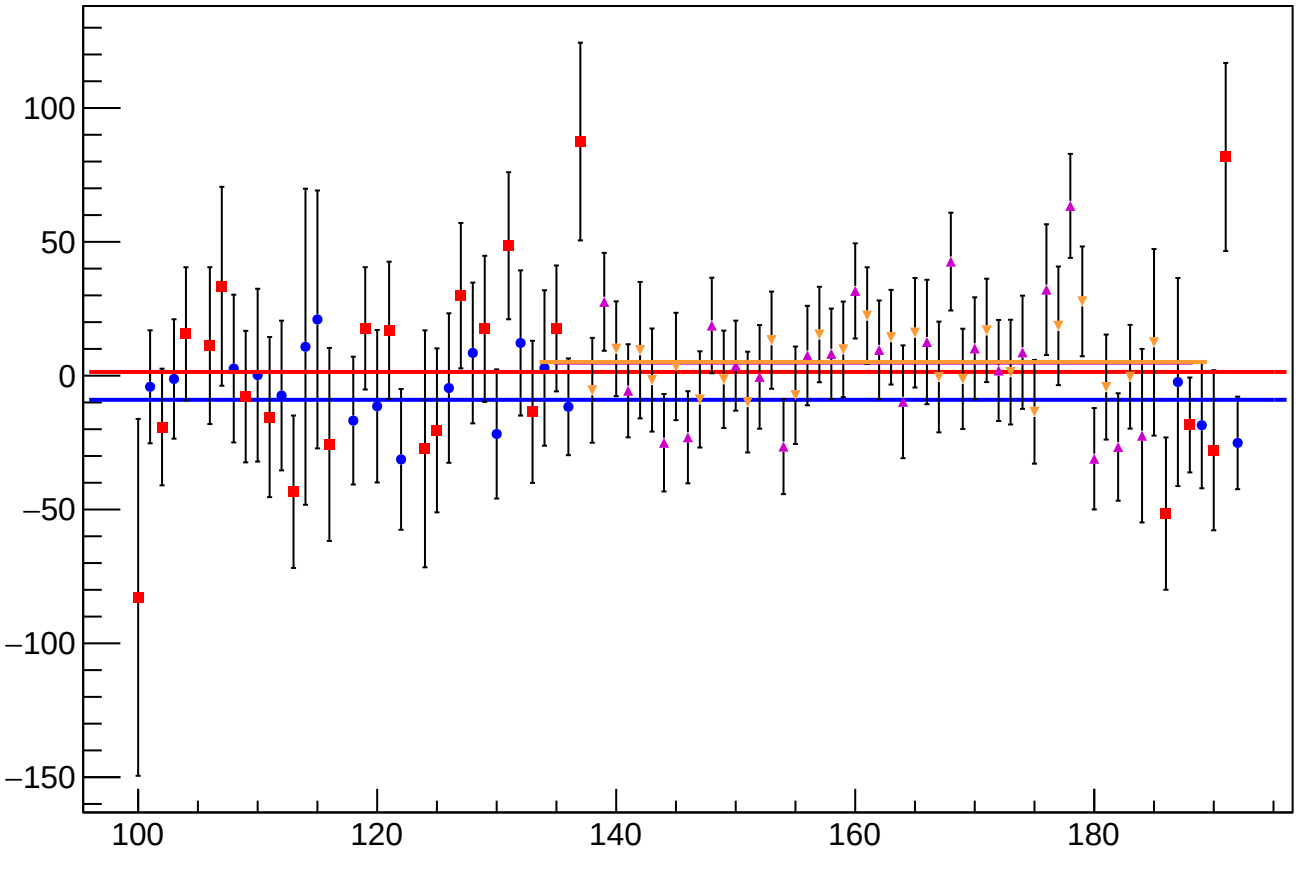
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 192.967+/-0.034 χ^2/NDF: 3854922.8/41

In: 186.653+/-0.027 χ^2/NDF:3282611.0/41

Out: 192.695+/-0.027 χ^2/NDF:4125560.0/47

All: 189.659+/-0.019 χ^2/NDF: 7433835.1/89



Right In: -9.013+/-5.891 χ^2/NDF: 4.4/18

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 1.397+/-5.778 χ^2/NDF: 30.5/22

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

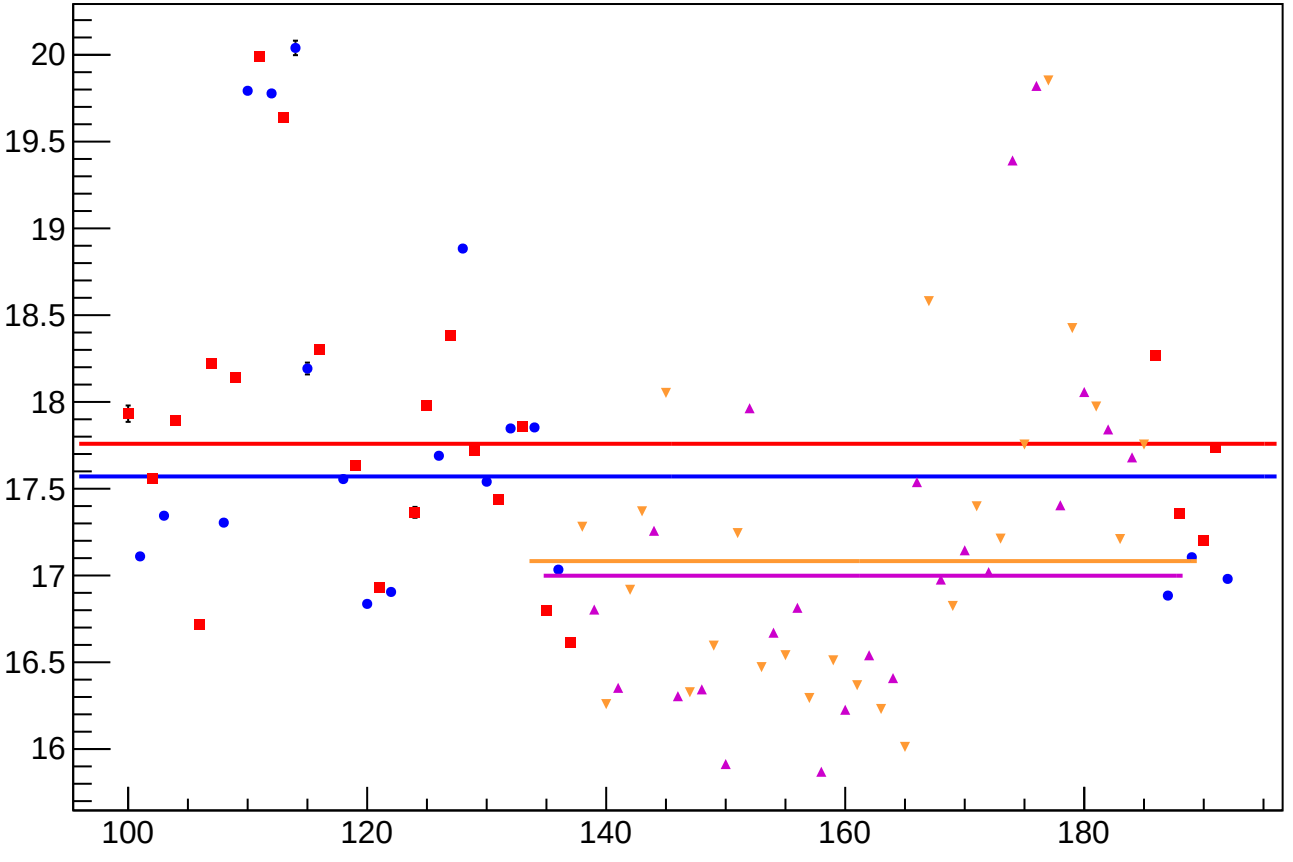
Right: -3.707+/-4.125 χ^2/NDF: 36.4/41

In: 0.510+/-3.298 χ^2/NDF:43.7/41

Out: 3.958+/-3.227 χ^2/NDF:38.7/47

All: 2.272+/-2.306 χ^2/NDF: 82.9/89

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: 17.759+/-0.004 χ^2/NDF: 35212.9/22

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

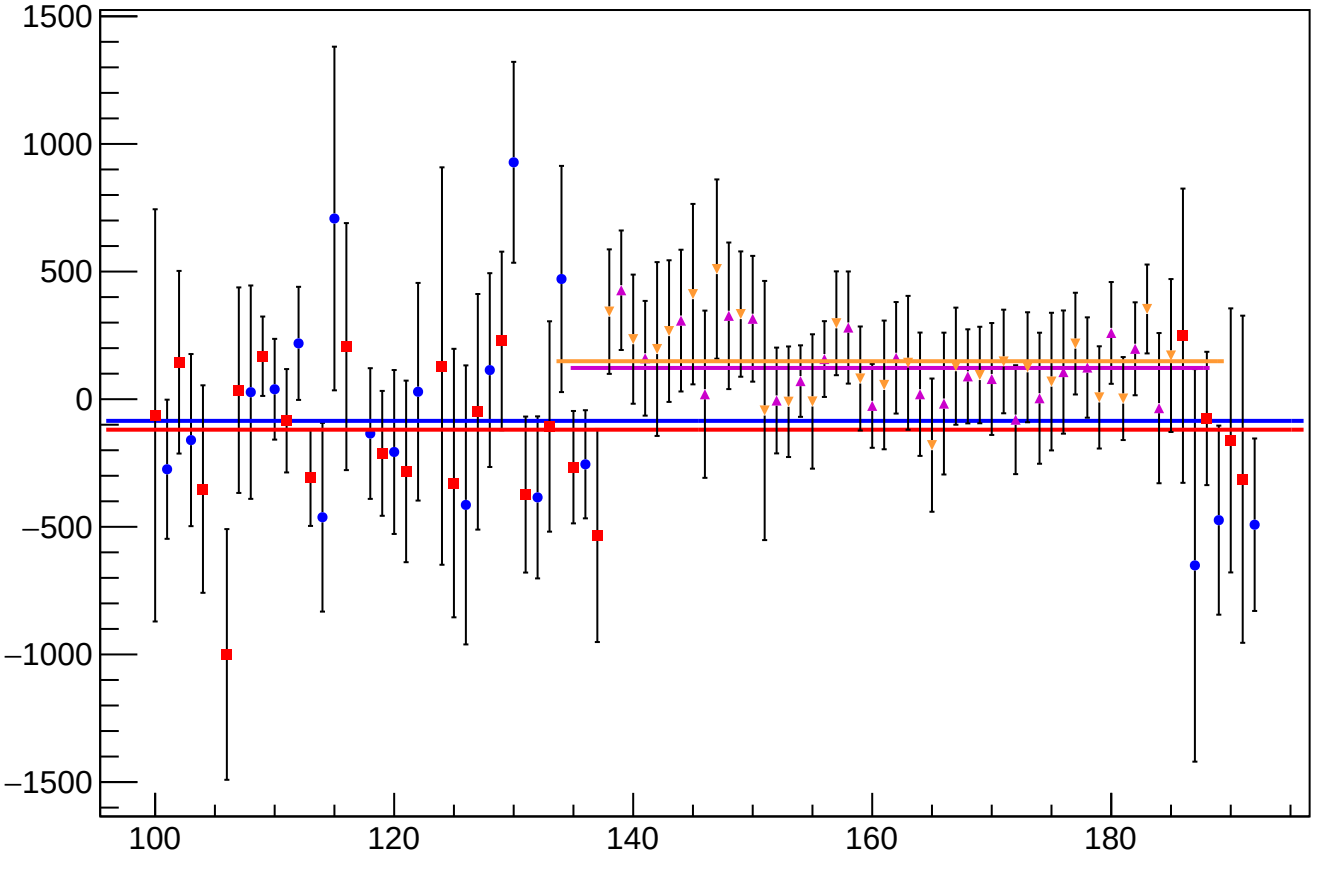
Right: 17.667+/-0.003 χ^2/NDF: 76900.2/41

In: 17.178+/-0.002 χ^2/NDF:157611.6/41

Out: 17.294+/-0.002 χ^2/NDF:150823.6/47

All: 17.237+/-0.002 χ^2/NDF: 309693.5/89

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



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: -119.500+/-65.480 χ^2/NDF: 13.4/22

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

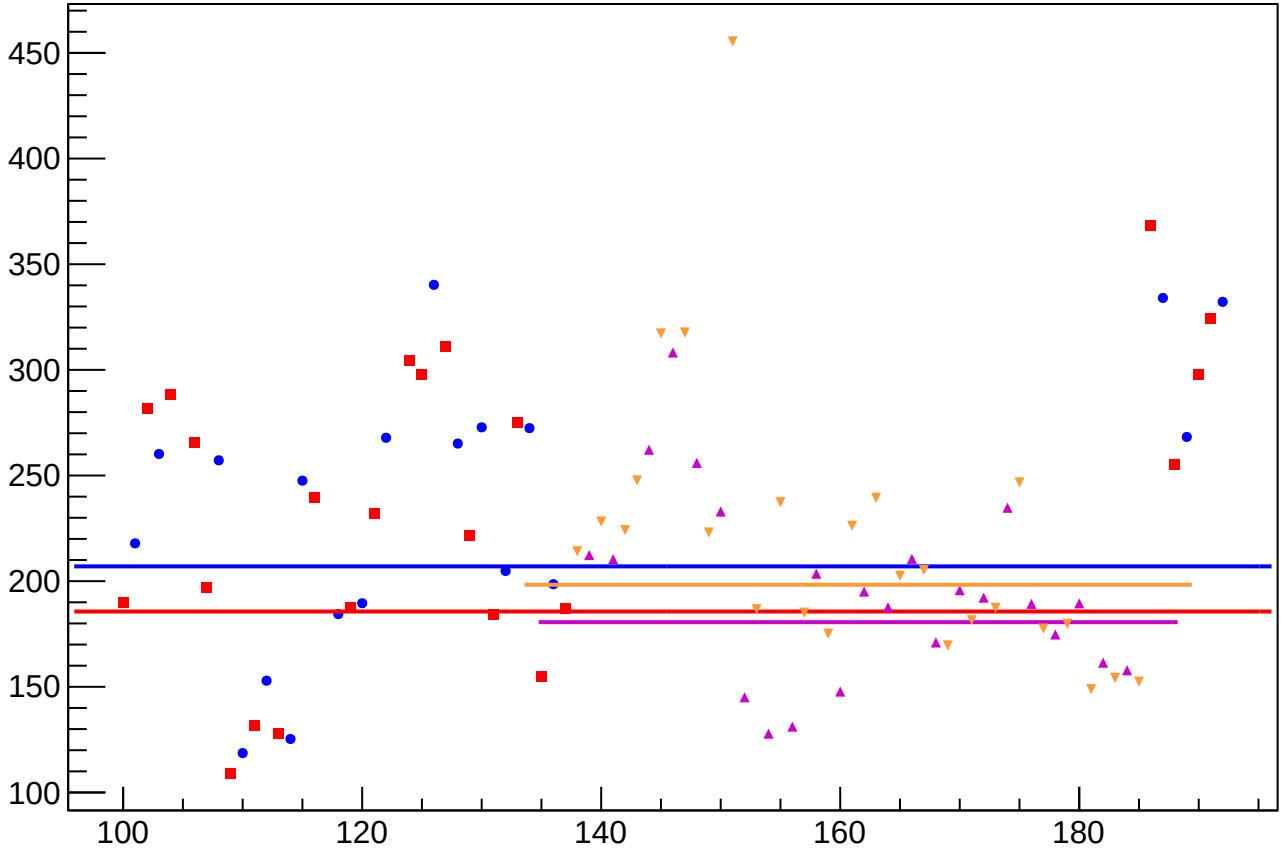
Right: -104.155+/-48.852 χ^2/NDF: 32.6/41

In: 67.395+/-37.785 χ^2/NDF:32.8/41

Out: 58.278+/-38.029 χ^2/NDF:34.1/47

All: 62.866+/-26.804 χ^2/NDF: 66.9/89

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: 185.648+/-0.046 χ^2/NDF: 2170849.7/22

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

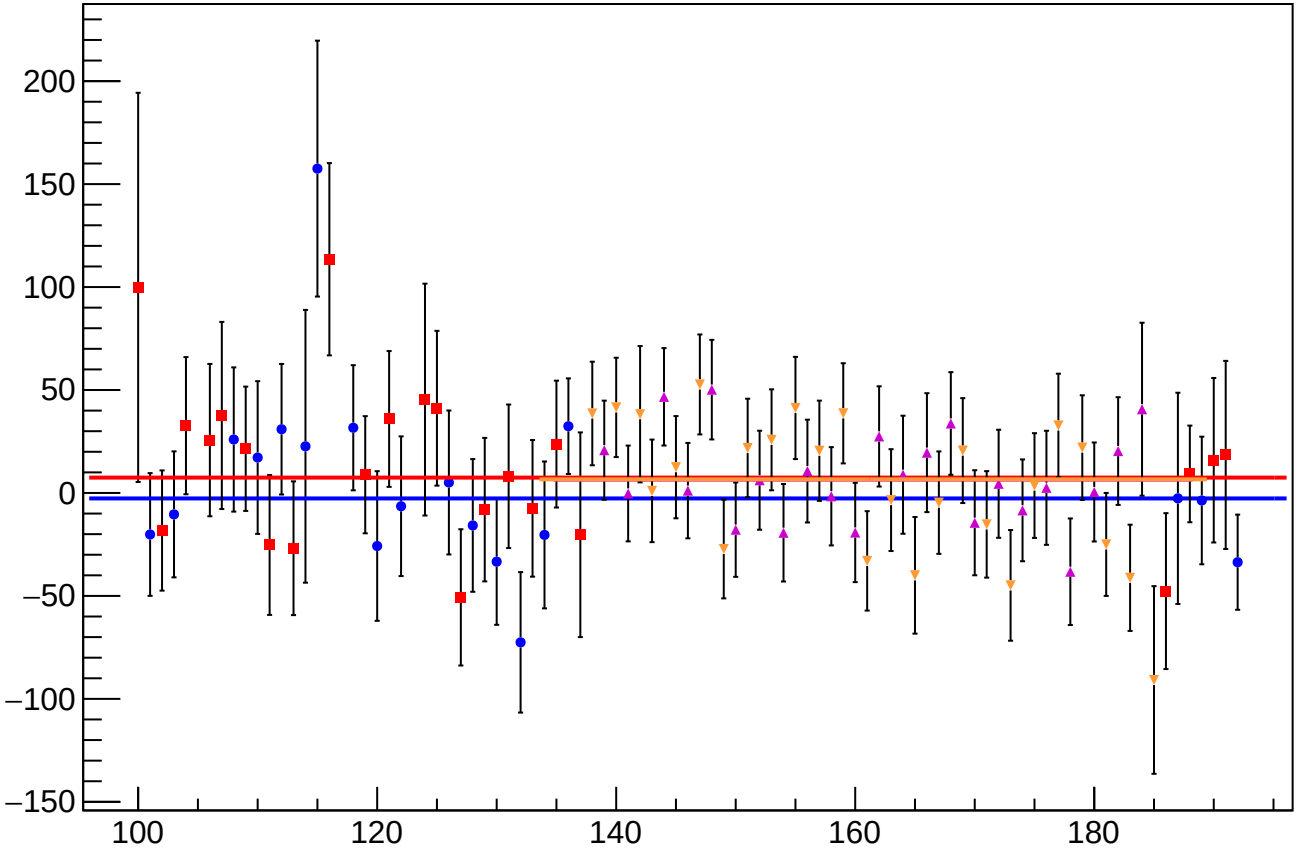
Right: 195.118+/-0.035 χ^2/NDF: 3686671.7/41

In: 187.605+/-0.027 χ^2/NDF:3239894.5/41

Out: 194.042+/-0.027 χ^2/NDF:4010712.2/47

All: 190.803+/-0.019 χ^2/NDF: 7279437.8/89

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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: 7.458+/-7.352 χ^2/NDF: 18.7/22

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

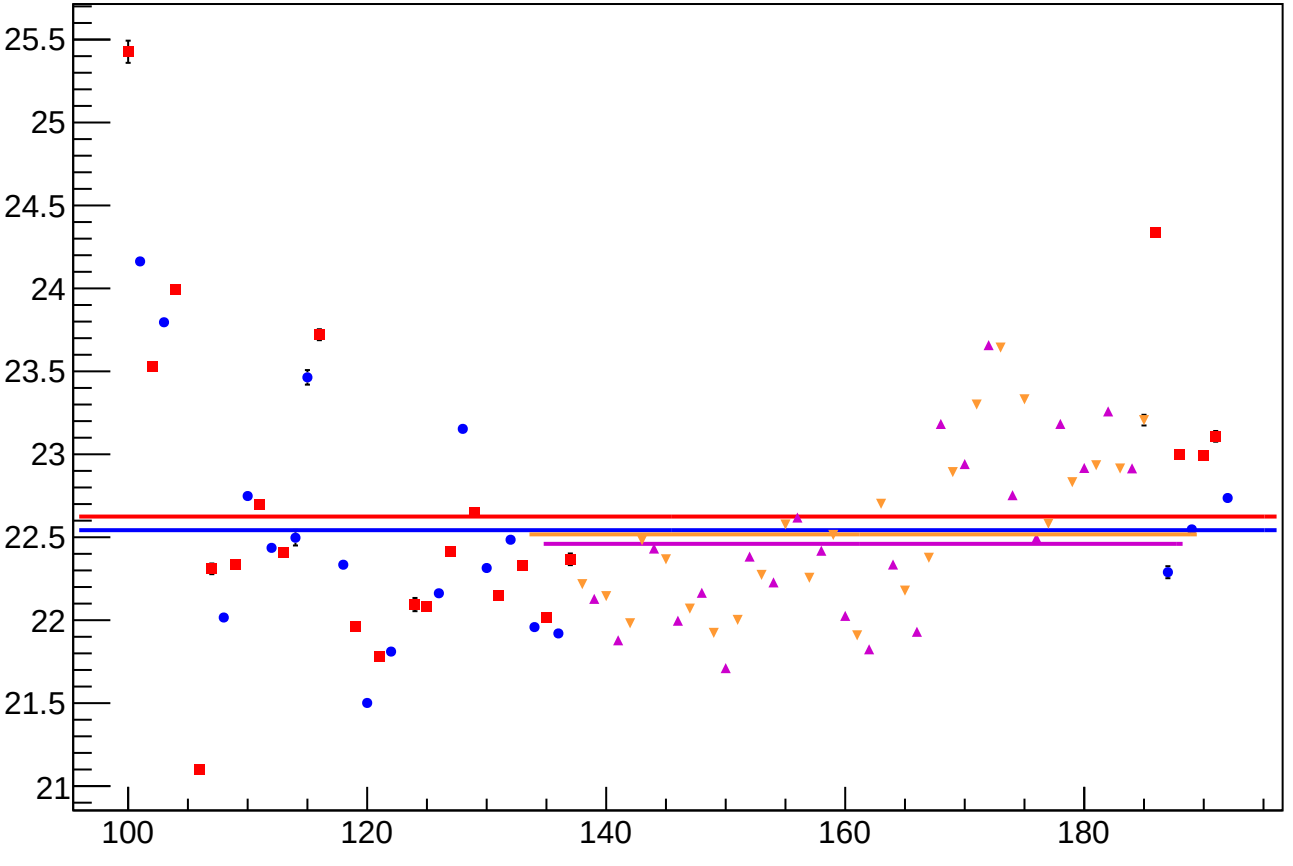
Right: 2.531+/-5.266 χ^2/NDF: 40.4/41

In: 3.503+/-4.307 χ^2/NDF:39.1/41

Out: 6.887+/-4.200 χ^2/NDF:55.6/47

All: 5.238+/-3.007 χ^2/NDF: 95.1/89

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: 22.625+/-0.005 χ^2/NDF: 21360.3/22

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

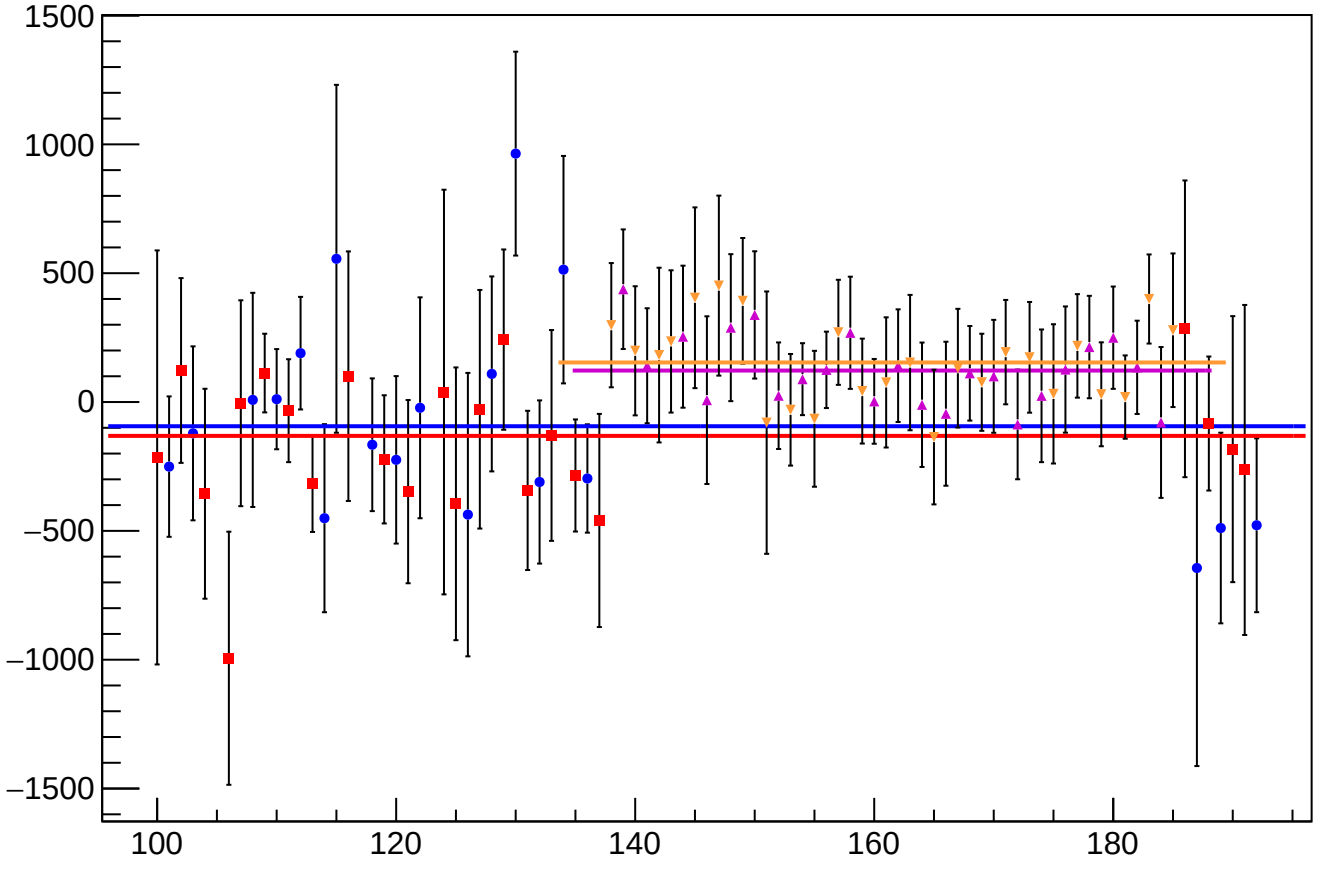
Right: 22.585+/-0.004 χ^2/NDF: 37629.8/41

In: 22.487+/-0.003 χ^2/NDF:35425.8/41

Out: 22.552+/-0.003 χ^2/NDF:37650.1/47

All: 22.521+/-0.002 χ^2/NDF: 73311.9/89

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



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: -131.373+/-65.048 χ^2/NDF: 12.2/22

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

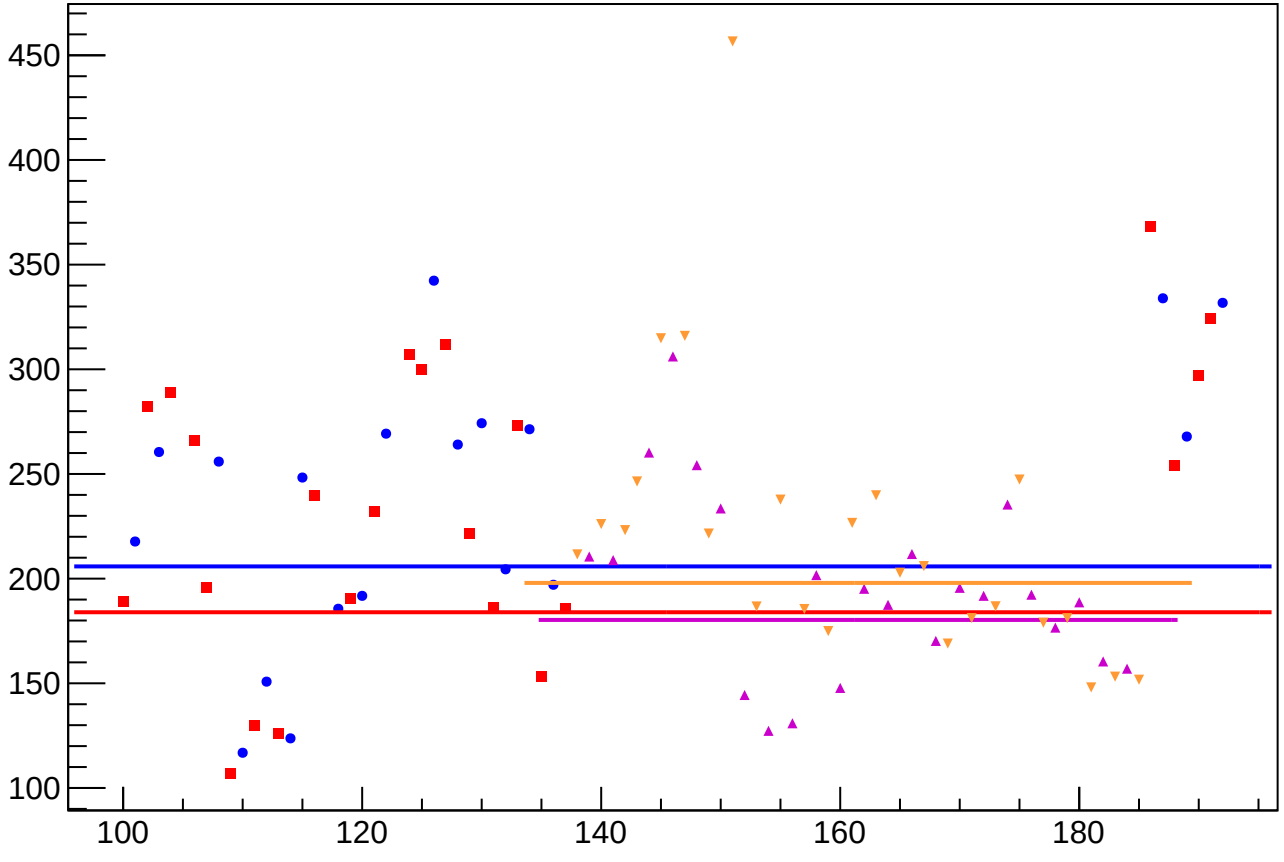
Right: -114.815+/-48.583 χ^2/NDF: 31.0/41

In: 64.640+/-37.696 χ^2/NDF:32.5/41

Out: 56.789+/-37.901 χ^2/NDF:34.9/47

All: 60.736+/-26.728 χ^2/NDF: 67.4/89

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: 183.944+/-0.046 χ^2/NDF: 2253918.1/22

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

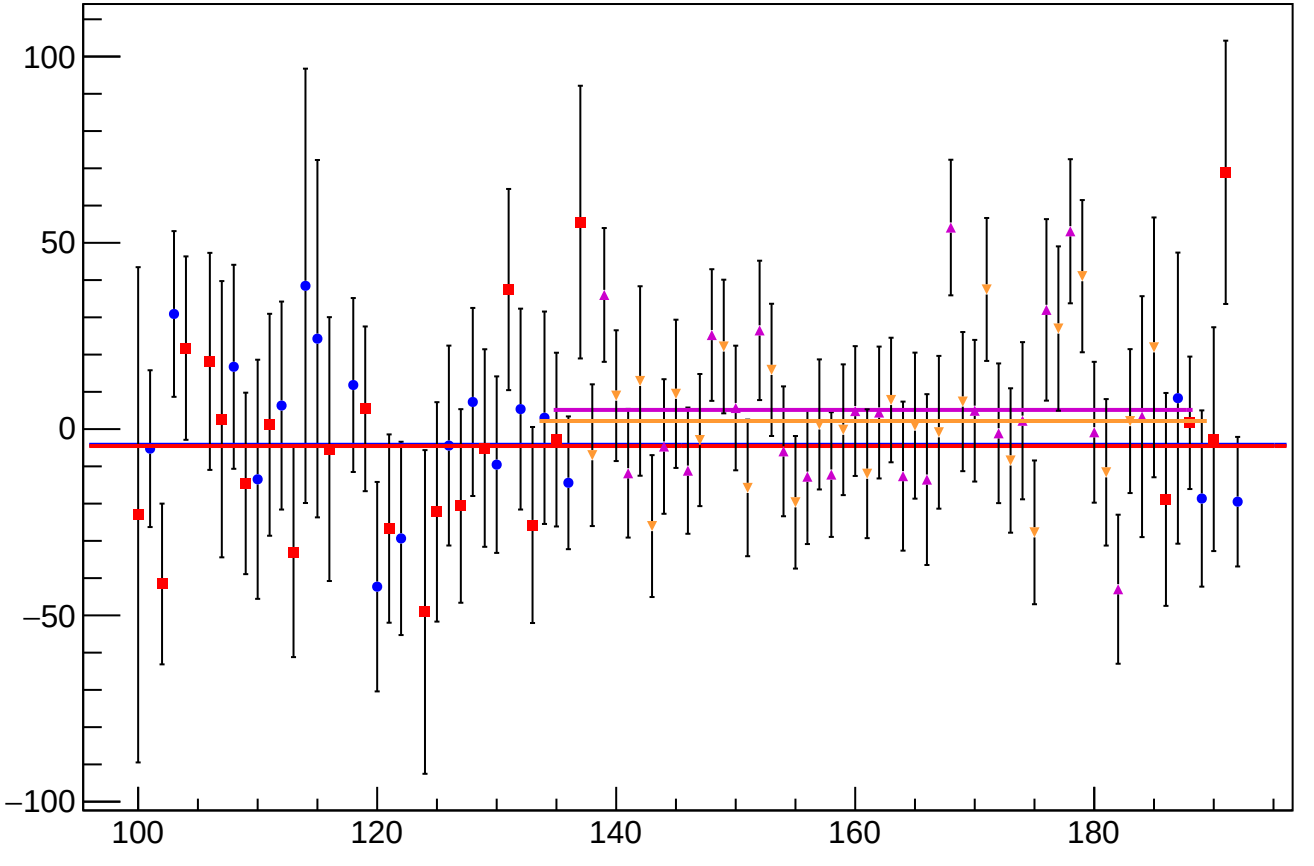
Right: 193.625+/-0.034 χ^2/NDF: 3823074.0/41

In: 187.079+/-0.027 χ^2/NDF:3273322.8/41

Out: 193.200+/-0.027 χ^2/NDF:4106576.3/47

All: 190.123+/-0.019 χ^2/NDF: 7406116.4/89

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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: -4.543+/-5.707 χ^2/NDF: 19.3/22

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

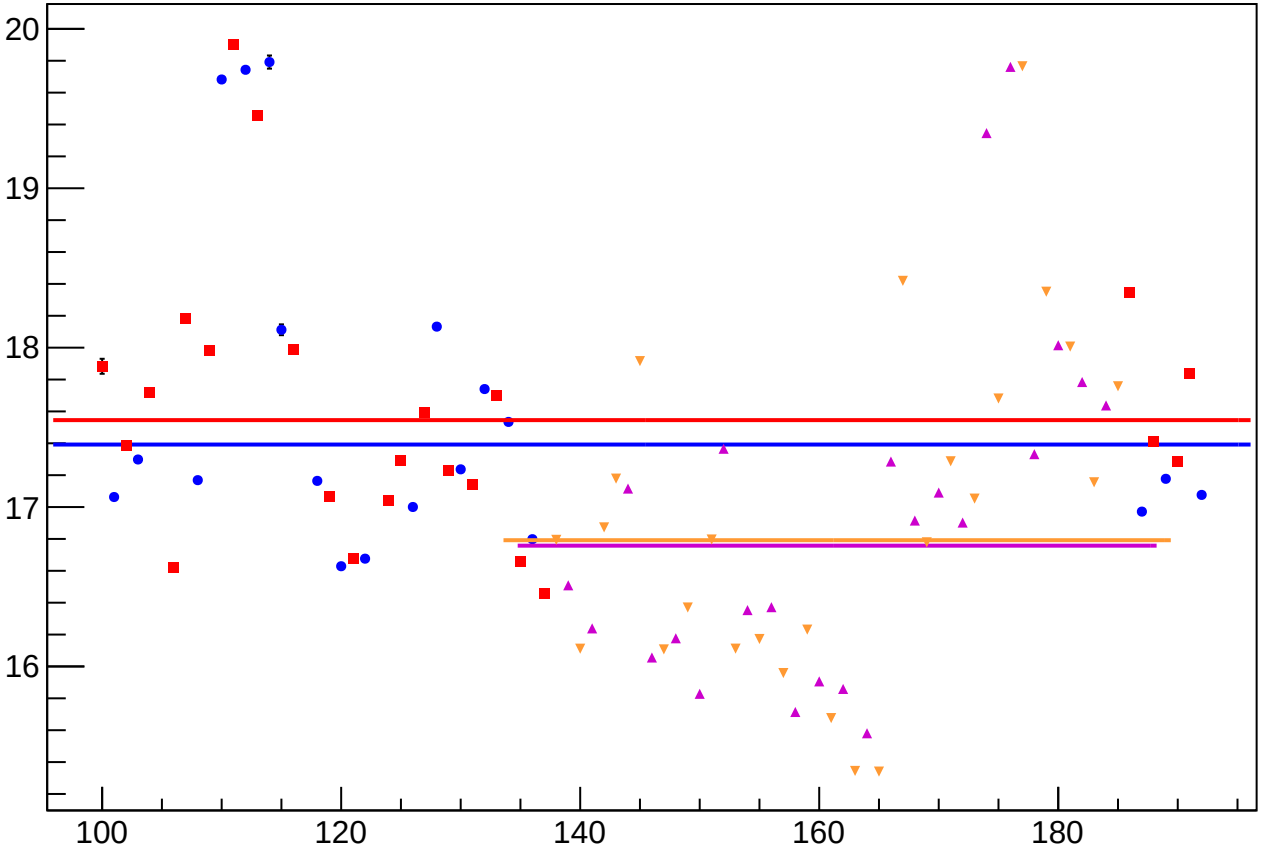
Right: -4.378+/-4.078 χ^2/NDF: 28.7/41

In: 2.232+/-3.255 χ^2/NDF:43.5/41

Out: 0.092+/-3.177 χ^2/NDF:40.2/47

All: 1.136+/-2.274 χ^2/NDF: 83.9/89

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: 17.545+/-0.004 χ^2/NDF: 36715.9/22

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

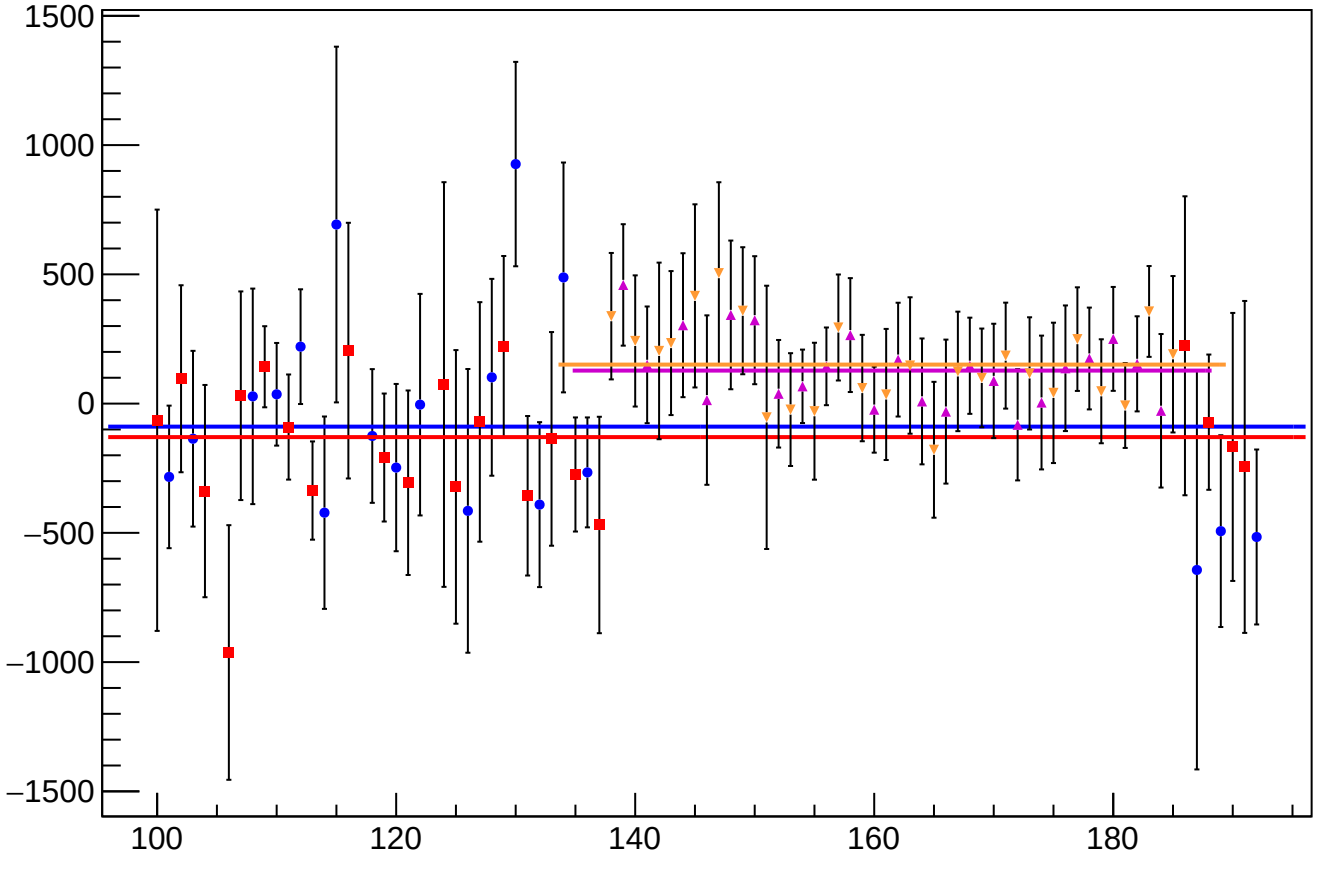
Right: 17.470+/-0.003 χ^2/NDF: 75374.3/41

In: 16.956+/-0.002 χ^2/NDF:177559.7/41

Out: 17.025+/-0.002 χ^2/NDF:197763.6/47

All: 16.991+/-0.002 χ^2/NDF: 375794.9/89

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: -129.621+/-65.875 χ^2/NDF: 12.0/22

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

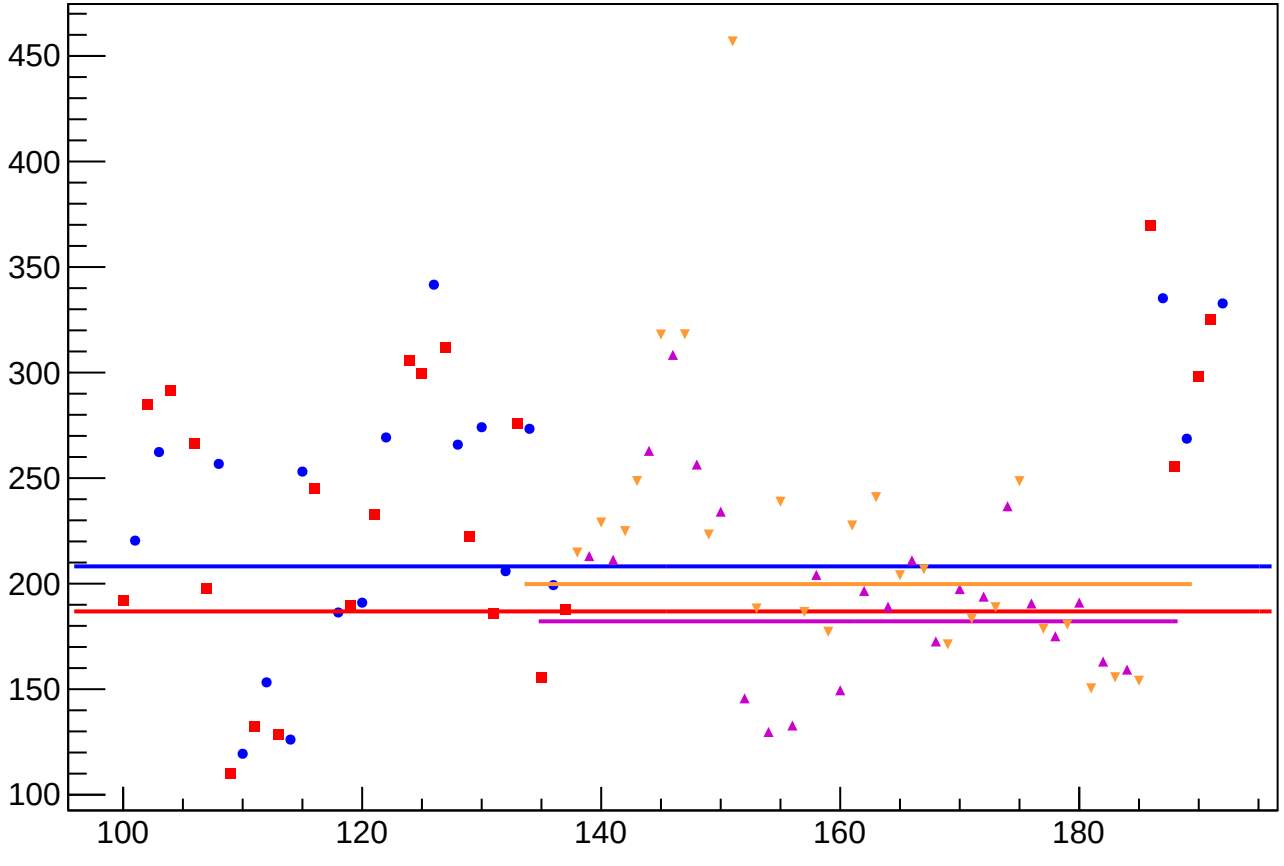
Right: -111.644+/-49.132 χ^2/NDF: 31.3/41

In: 69.991+/-38.056 χ^2/NDF:33.3/41

Out: 56.169+/-38.279 χ^2/NDF:34.0/47

All: 63.120+/-26.988 χ^2/NDF: 67.3/89

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: 186.851+/-0.047 χ^2/NDF: 2165292.8/22

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

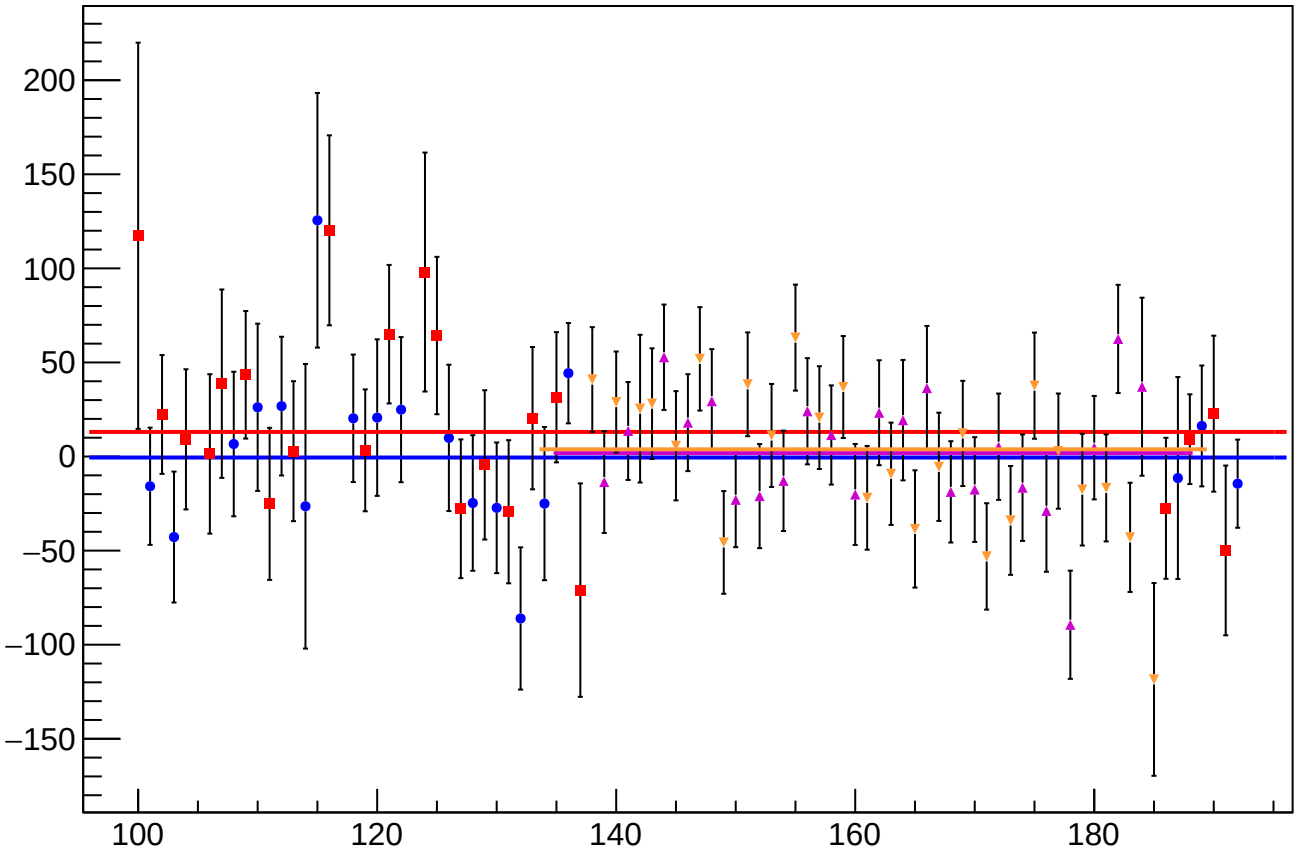
Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

Right: 196.318+/-0.035 χ^2/NDF: 3673609.0/41

In: 189.081+/-0.027 χ^2/NDF:3182447.8/41

Out: 195.418+/-0.027 χ^2/NDF:3976682.6/47

All: 192.231+/-0.019 χ^2/NDF: 7186692.3/89



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: 13.075+/-8.074 χ^2/NDF: 21.5/22

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

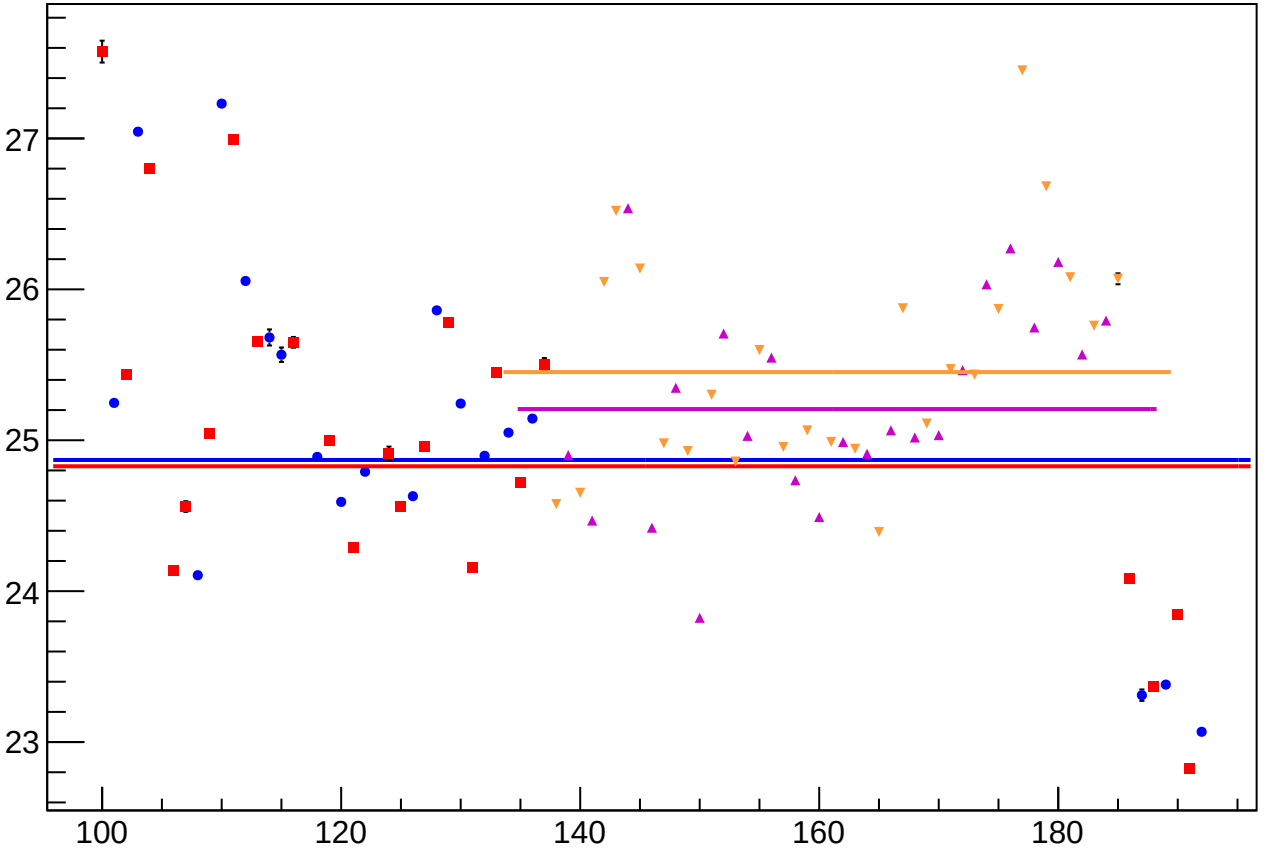
Right: 6.490+/-5.798 χ^2/NDF: 40.3/41

In: 1.059+/-4.811 χ^2/NDF:45.5/41

Out: 6.969+/-4.705 χ^2/NDF:60.0/47

All: 4.080+/-3.364 χ^2/NDF: 106.3/89

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: 24.828+/-0.006 χ^2/NDF: 32235.2/22

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

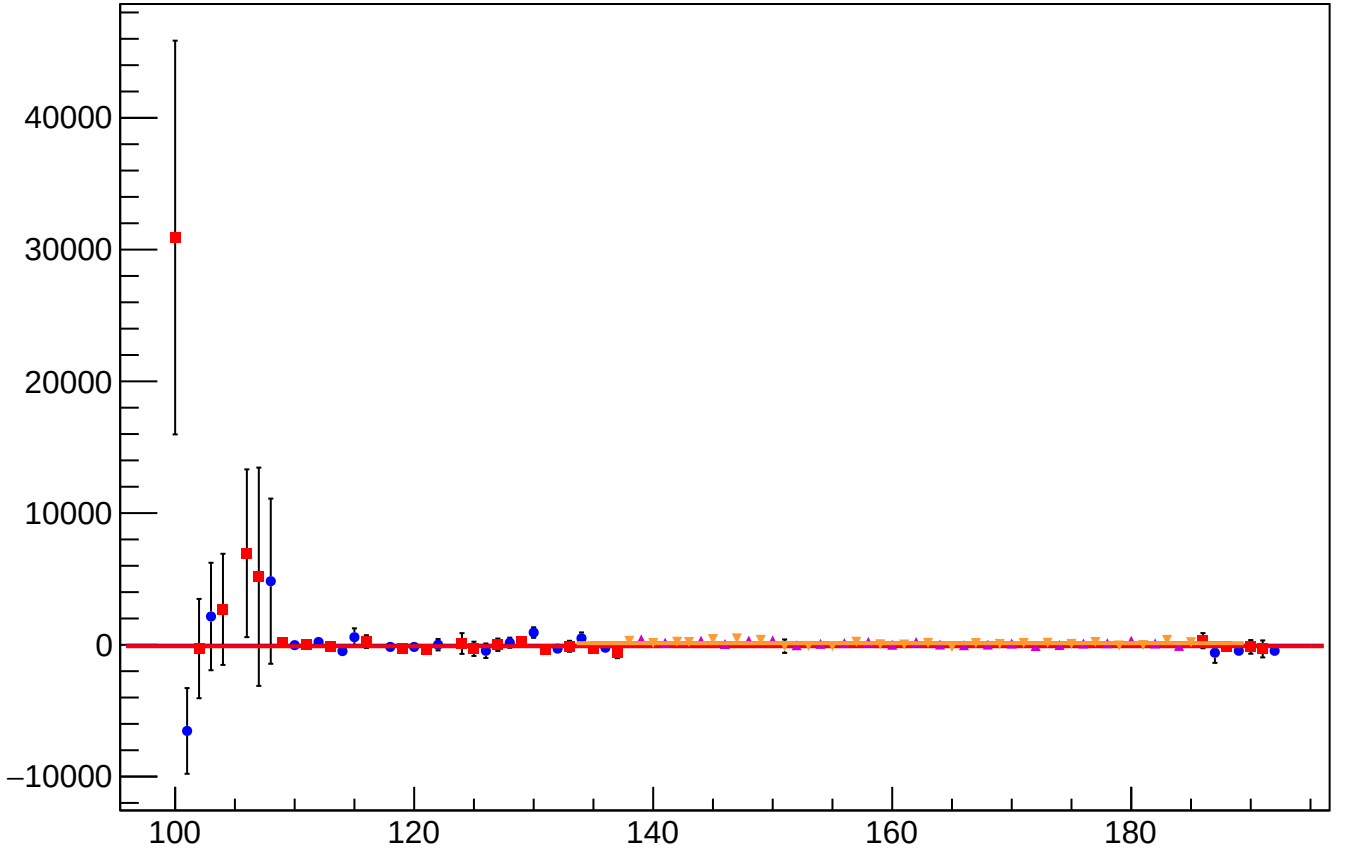
Right: 24.848+/-0.004 χ^2/NDF: 69316.4/41

In: 25.094+/-0.003 χ^2/NDF:65069.5/41

Out: 25.240+/-0.003 χ^2/NDF:69742.1/47

All: 25.169+/-0.002 χ^2/NDF: 135748.0/89

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: -105.005+/-72.989 χ^2/NDF: 14.7/22

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

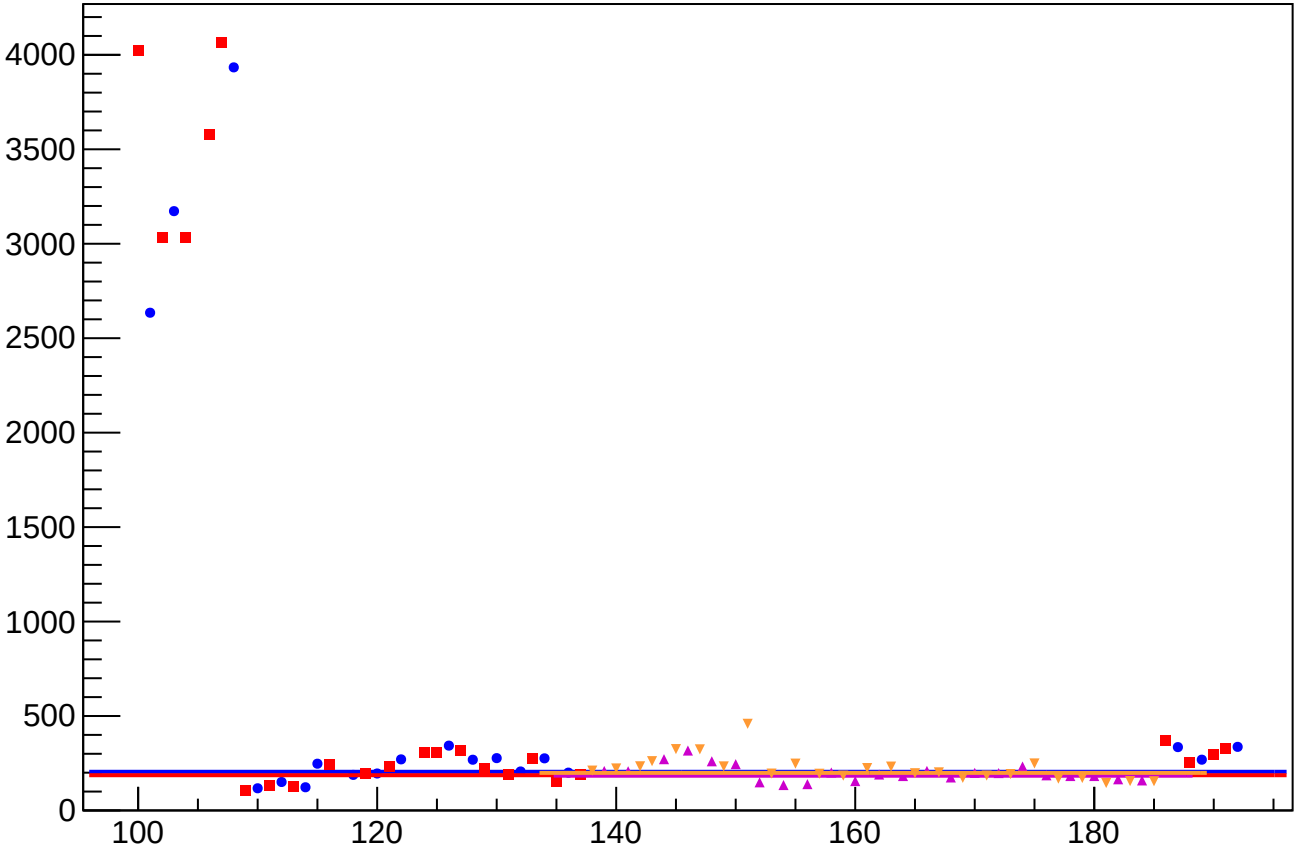
Right: -87.136+/-53.872 χ^2/NDF: 36.3/41

In: 73.357+/-39.117 χ^2/NDF:33.5/41

Out: 57.848+/-39.472 χ^2/NDF:32.8/47

All: 65.672+/-27.785 χ^2/NDF: 66.4/89

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: 186.542+/-0.052 χ^2/NDF: 4893155.3/22

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

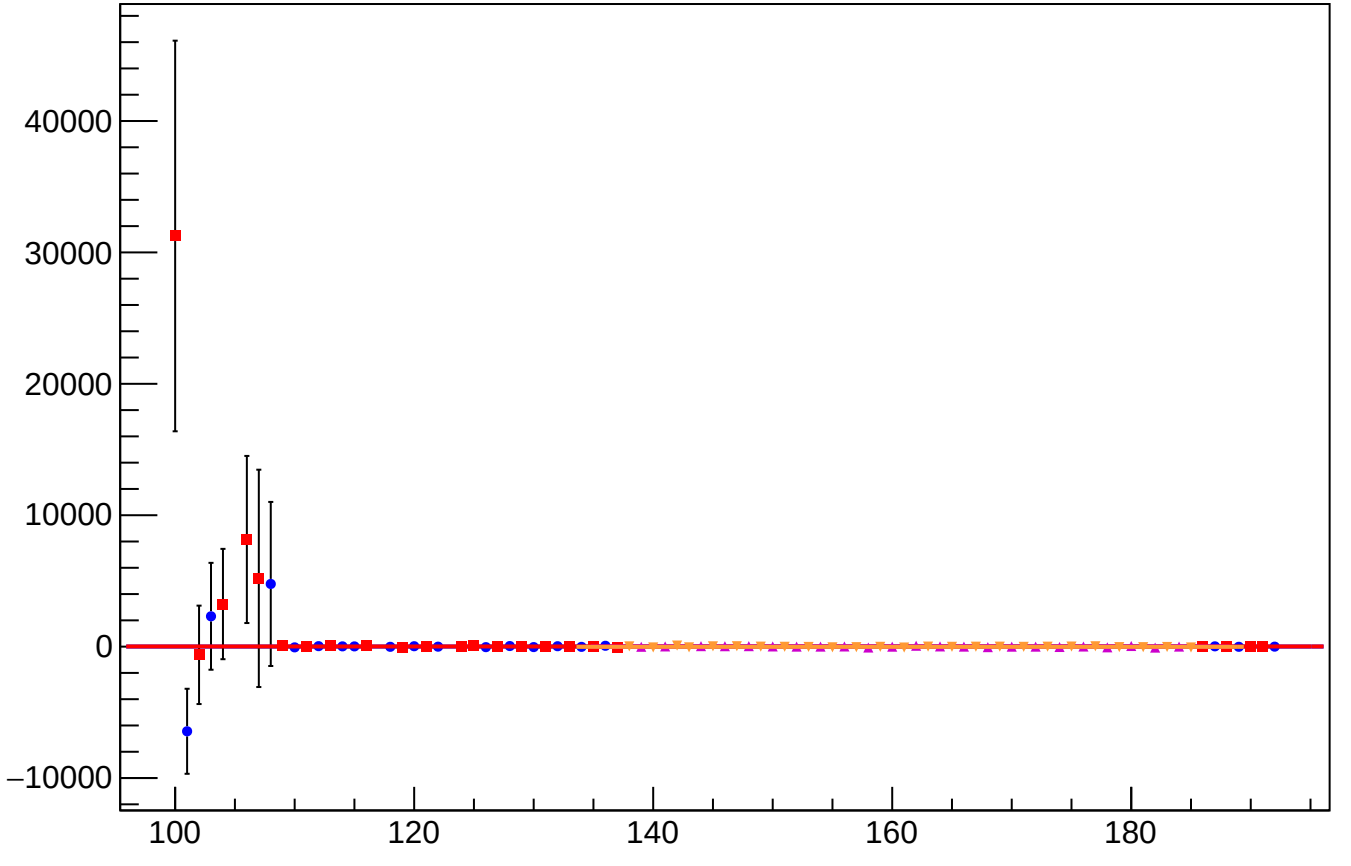
Right: 194.818+/-0.038 χ^2/NDF: 9232410.5/41

In: 189.277+/-0.028 χ^2/NDF:5827550.6/41

Out: 195.352+/-0.028 χ^2/NDF:6836493.4/47

All: 192.287+/-0.020 χ^2/NDF: 12687951.0/89

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: 13.170+/-10.202 χ^2/NDF: 26.8/22

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

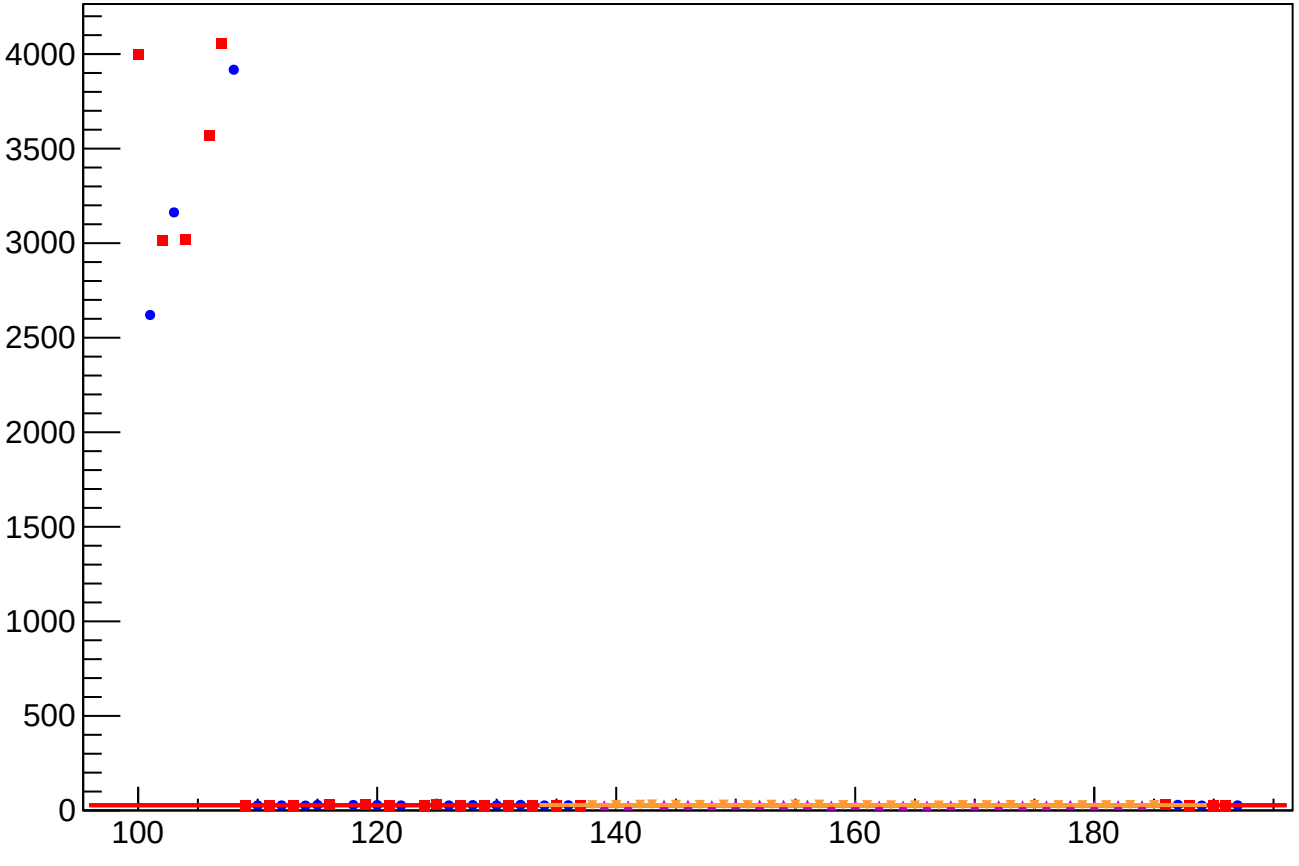
Right: 9.897+/-7.204 χ^2/NDF: 43.4/41

In: 3.525+/-5.597 χ^2/NDF:44.9/41

Out: -6.723+/-5.489 χ^2/NDF:54.4/47

All: -1.699+/-3.919 χ^2/NDF: 101.0/89

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: 27.678+/-0.007 χ^2/NDF: 3577106.4/22

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

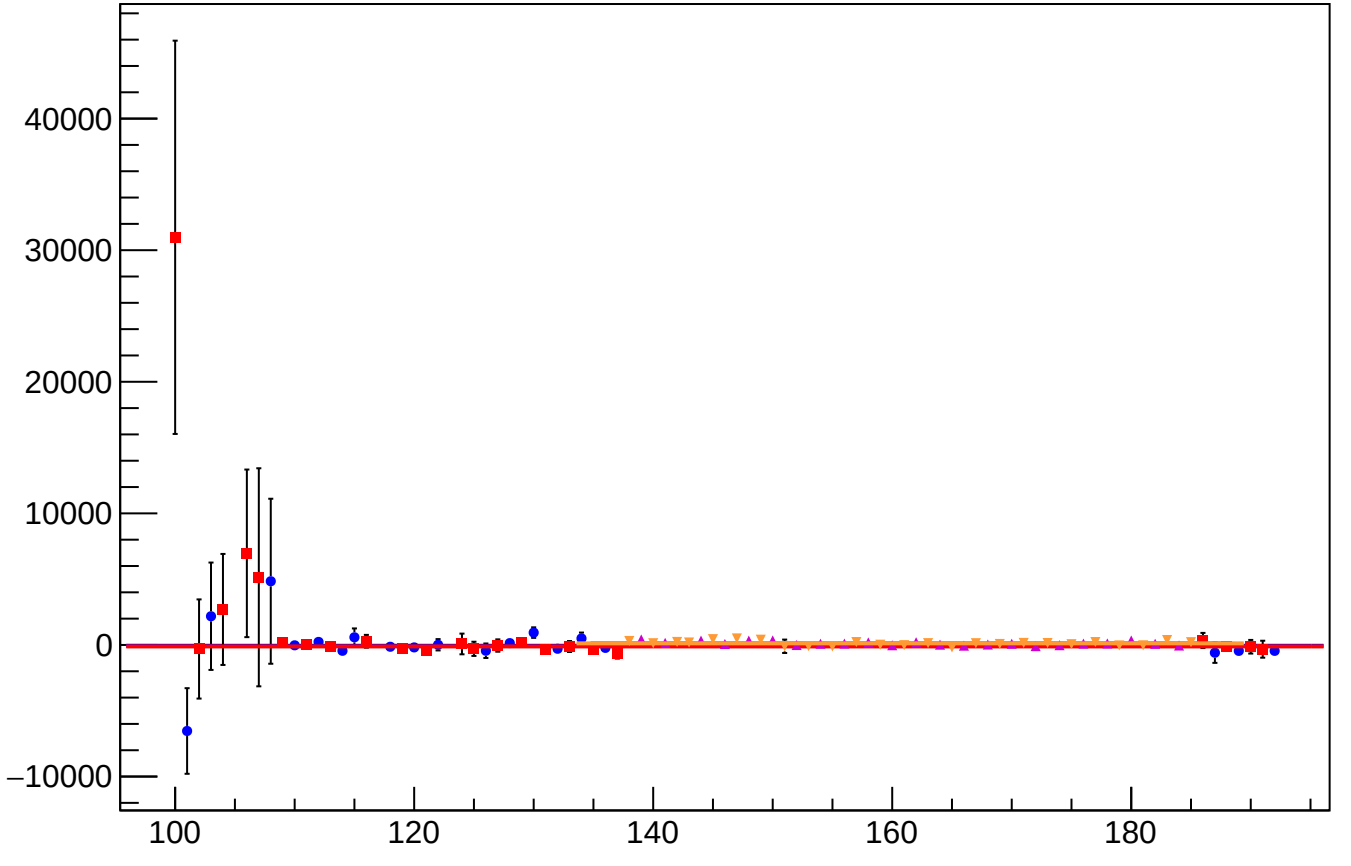
Right: 27.561+/-0.005 χ^2/NDF: 6850432.8/41

In: 28.254+/-0.004 χ^2/NDF:3413917.4/41

Out: 28.323+/-0.004 χ^2/NDF:3676496.0/47

All: 28.289+/-0.003 χ^2/NDF: 7090567.2/89

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: -110.690+/-72.796 χ^2/NDF: 15.2/22

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

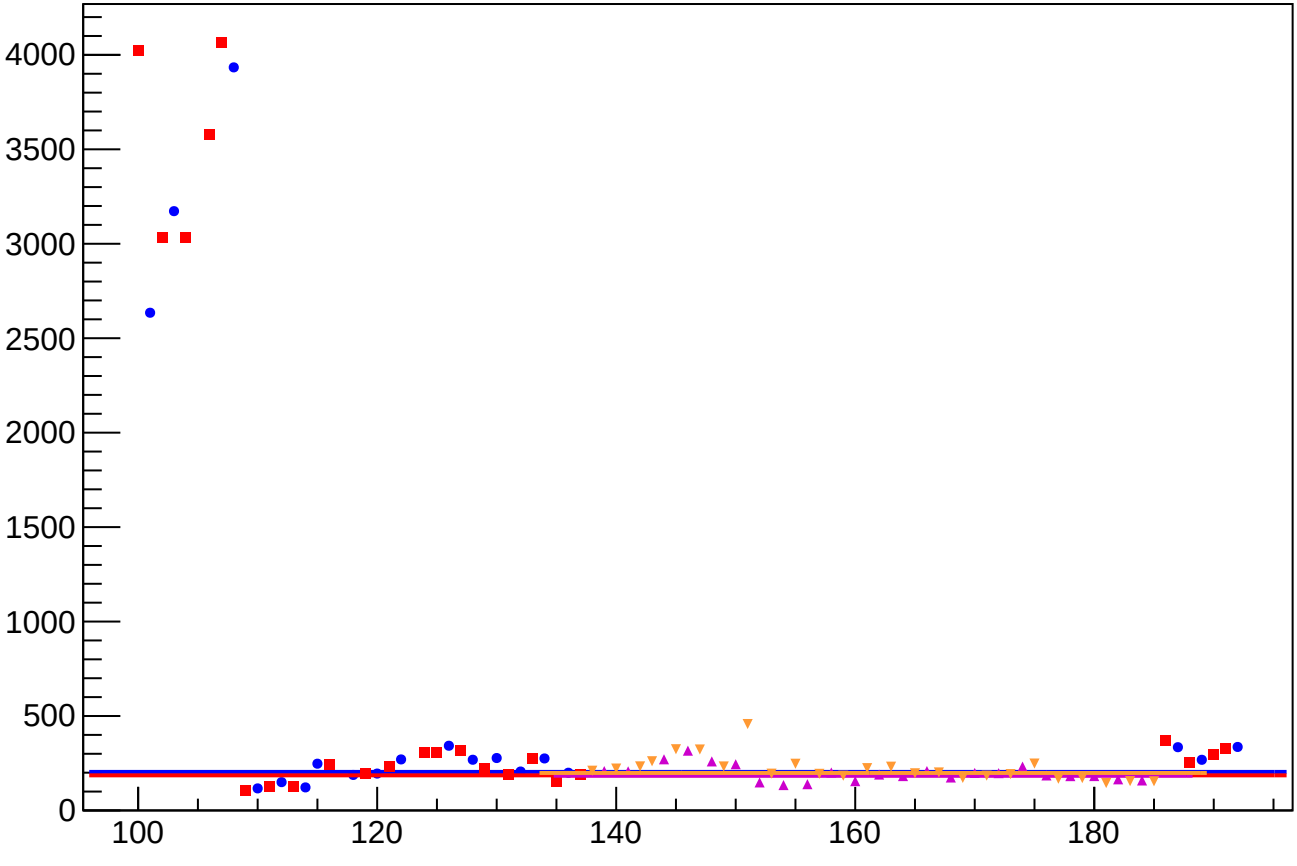
Right: -89.046+/-53.726 χ^2/NDF: 36.9/41

In: 73.127+/-39.035 χ^2/NDF:33.8/41

Out: 53.840+/-39.381 χ^2/NDF:34.4/47

All: 63.569+/-27.723 χ^2/NDF: 68.3/89

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: 185.923+/-0.051 χ^2/NDF: 4911036.5/22

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

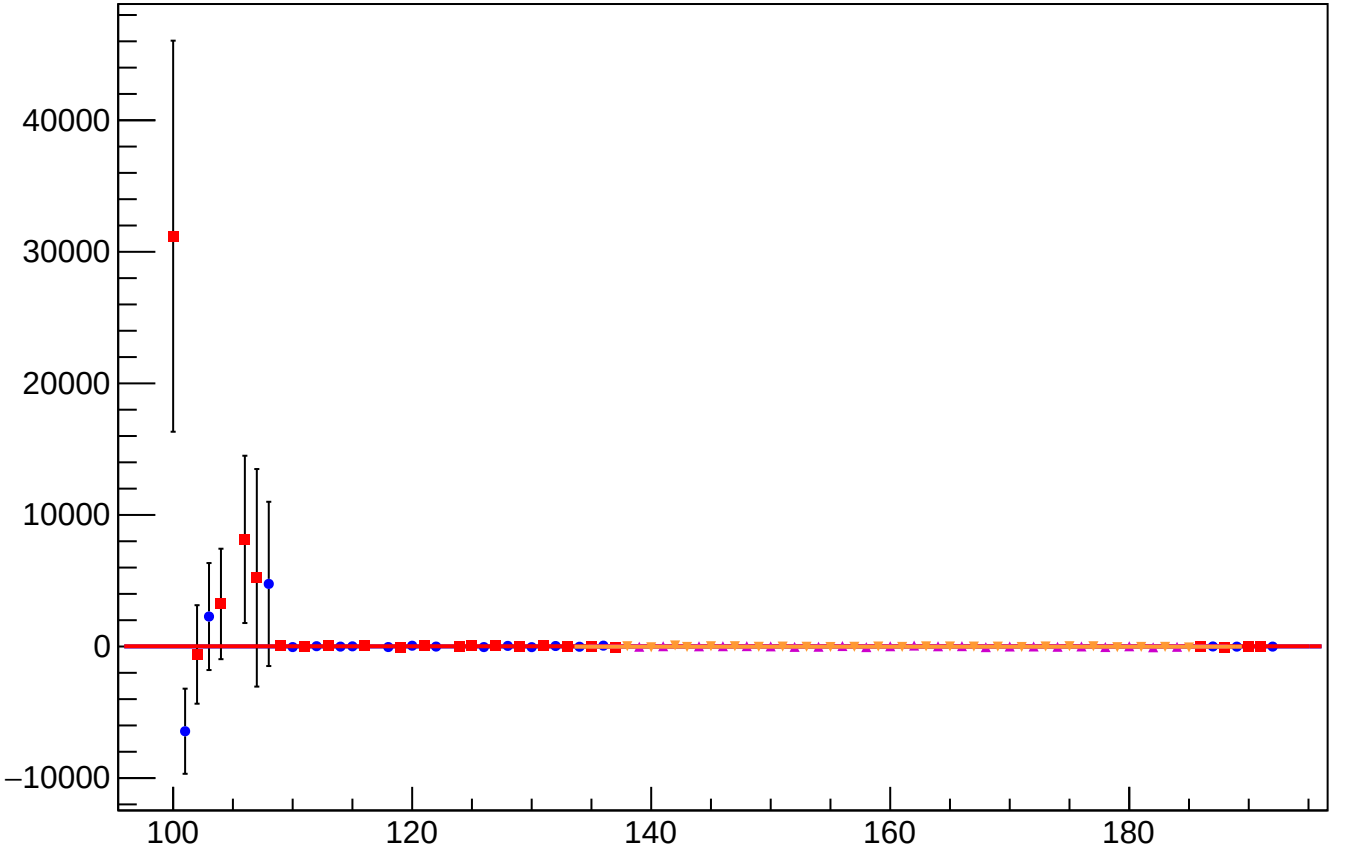
Right: 194.172+/-0.038 χ^2/NDF: 9265071.7/41

In: 188.856+/-0.028 χ^2/NDF:5838820.9/41

Out: 194.869+/-0.028 χ^2/NDF:6855244.1/47

All: 191.836+/-0.020 χ^2/NDF: 12717588.2/89

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: 18.775+/-10.244 χ^2/NDF: 25.5/22

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

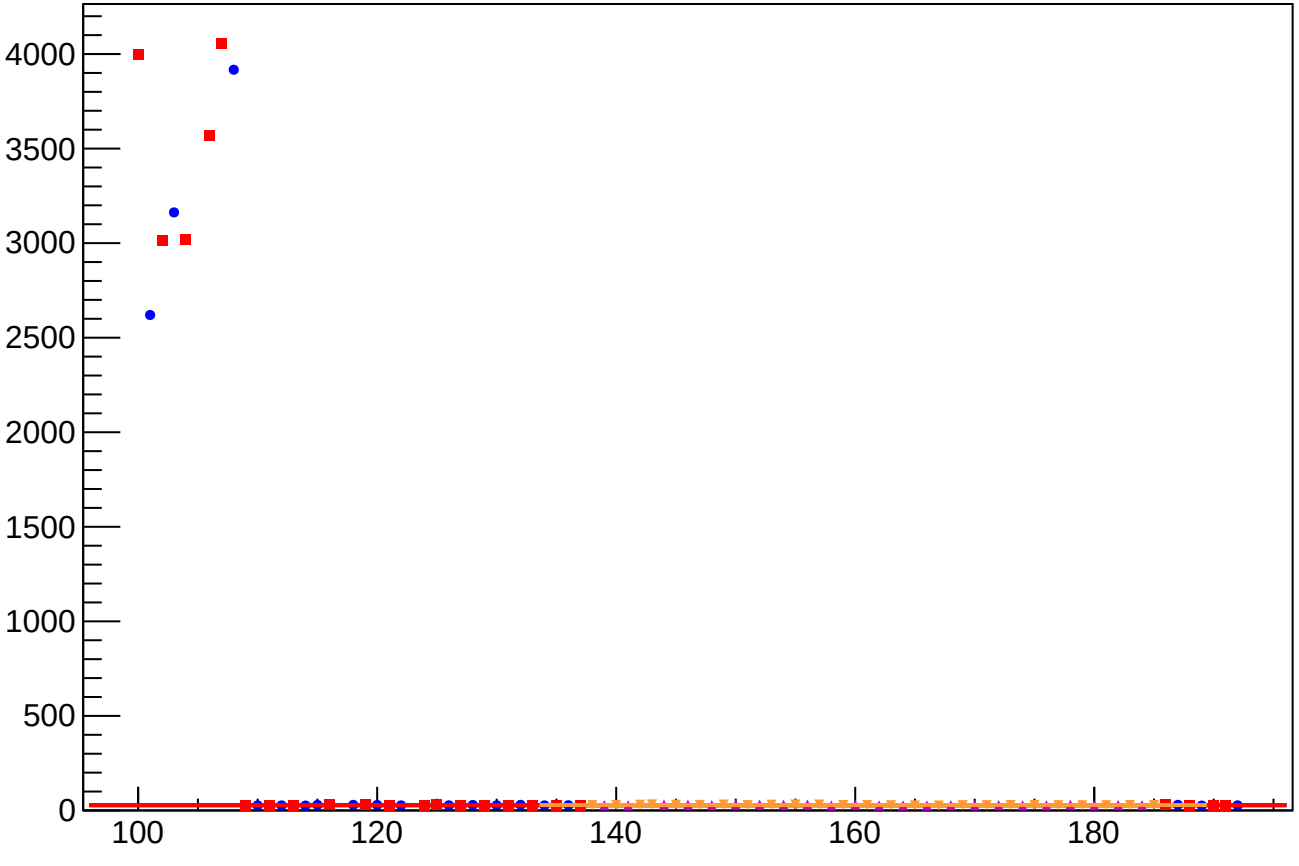
Right: 11.027+/-7.236 χ^2/NDF: 45.3/41

In: 2.799+/-5.622 χ^2/NDF:40.8/41

Out: -2.990+/-5.513 χ^2/NDF:49.7/47

All: -0.153+/-3.936 χ^2/NDF: 91.1/89

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: 27.795+/-0.007 χ^2/NDF: 3574717.0/22

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

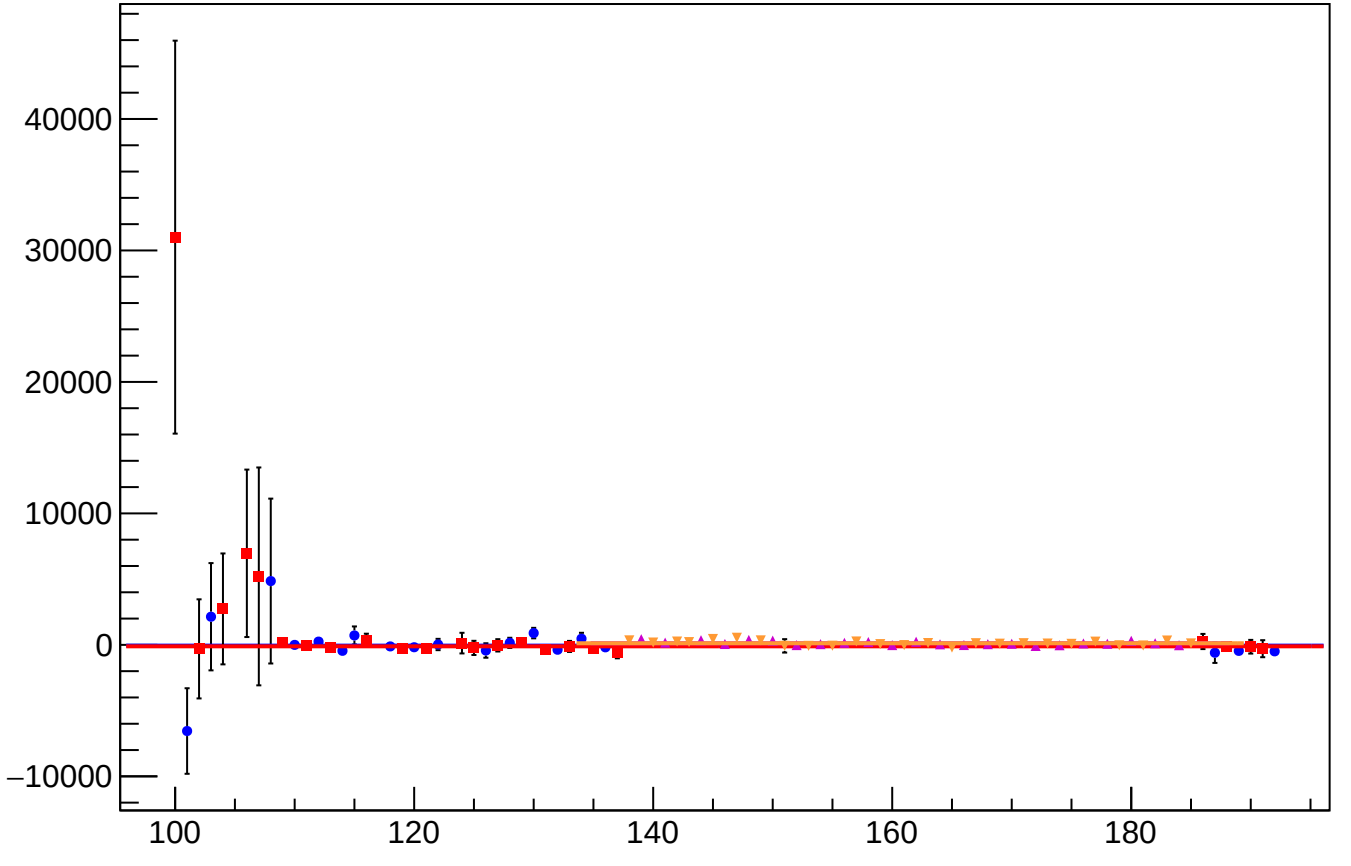
Right: 27.682+/-0.005 χ^2/NDF: 6849926.8/41

In: 28.378+/-0.004 χ^2/NDF:3419989.2/41

Out: 28.443+/-0.004 χ^2/NDF:3684856.4/47

All: 28.411+/-0.003 χ^2/NDF: 7104984.3/89

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



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: -110.537+/-73.725 χ^2/NDF: 14.3/22

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

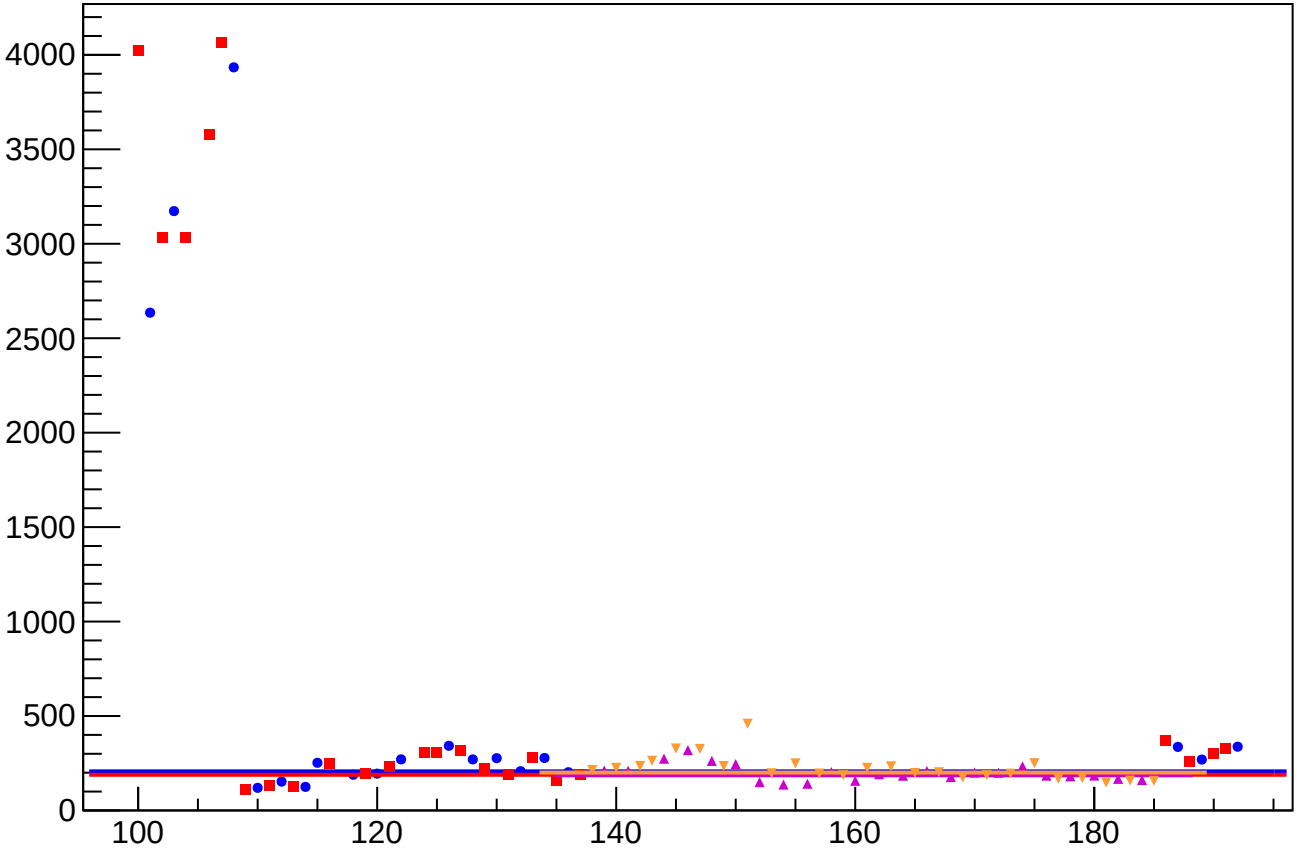
Right: -86.359+/-54.382 χ^2/NDF: 36.4/41

In: 79.700+/-39.463 χ^2/NDF:34.2/41

Out: 54.807+/-39.811 χ^2/NDF:32.7/47

All: 67.363+/-28.027 χ^2/NDF: 67.1/89

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: 188.889+/-0.052 χ^2/NDF: 4833773.5/22

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

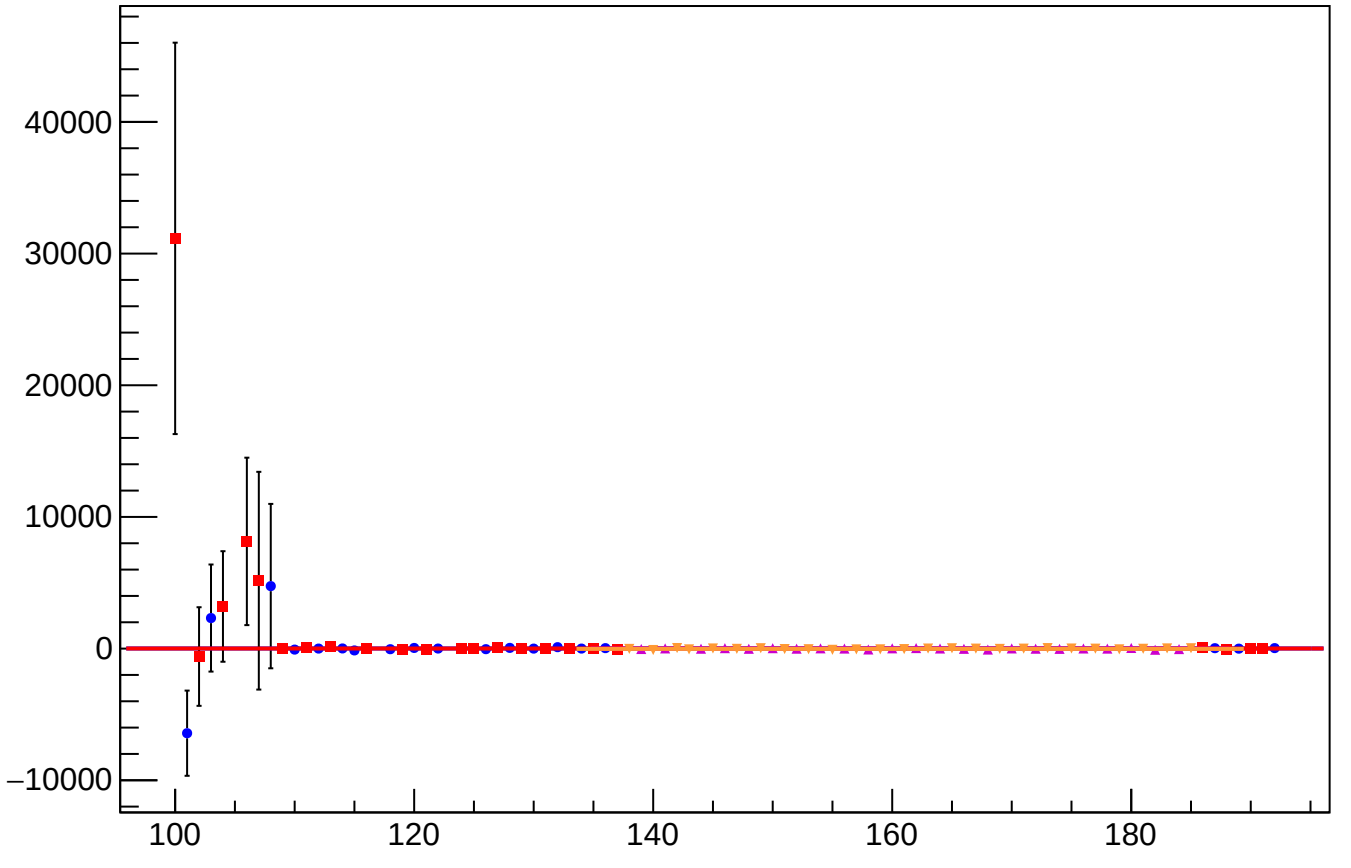
Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

Right: 197.114+/-0.038 χ^2/NDF: 9120645.2/41

In: 191.153+/-0.028 χ^2/NDF:5746647.7/41

Out: 197.246+/-0.028 χ^2/NDF:6750132.1/47

All: 194.173+/-0.020 χ^2/NDF: 12520405.6/89



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: 6.906+/-12.457 χ^2/NDF: 25.9/22

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

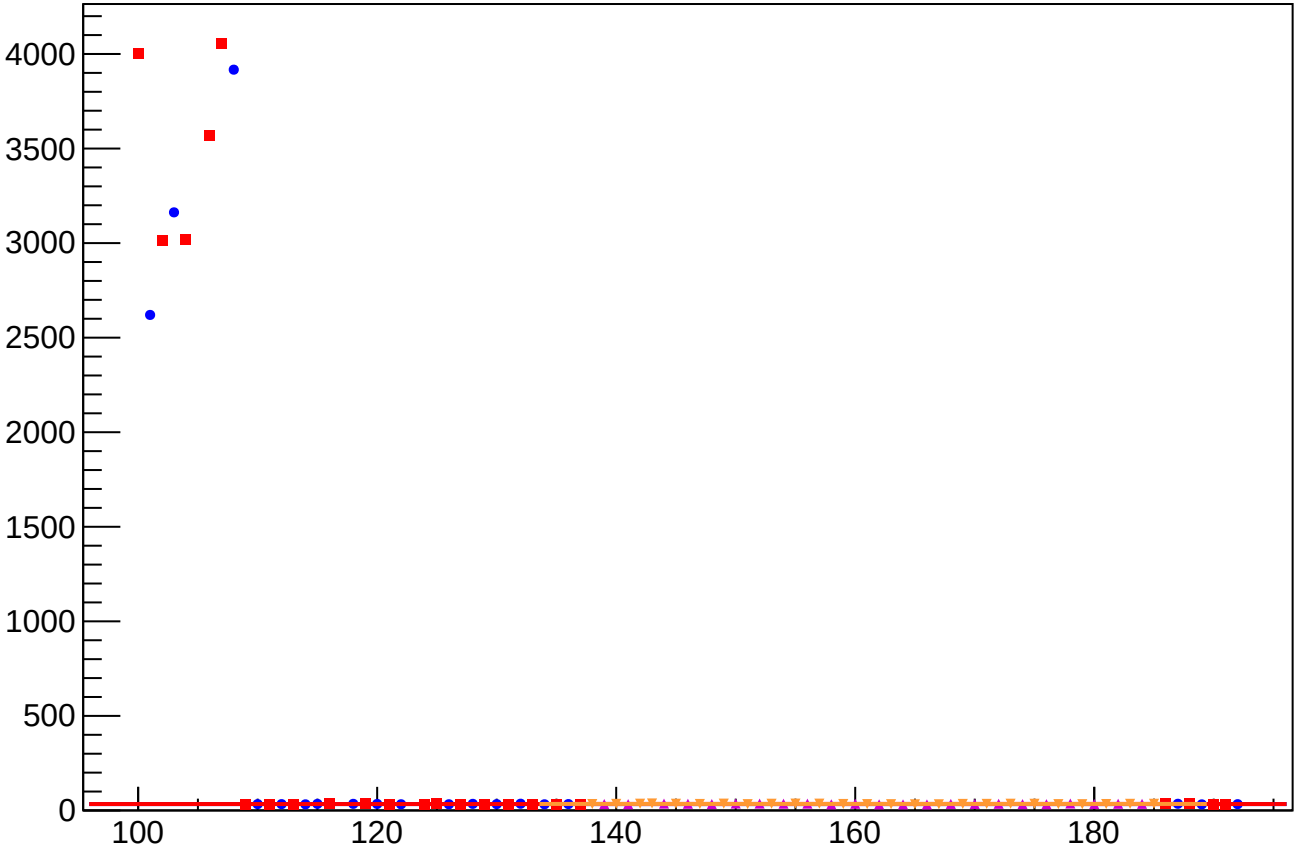
Right: 8.356+/-8.814 χ^2/NDF: 44.2/41

In: 0.064+/-6.783 χ^2/NDF:38.1/41

Out: -13.252+/-6.632 χ^2/NDF:52.4/47

All: -6.744+/-4.742 χ^2/NDF: 92.6/89

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: 33.880+/-0.009 χ^2/NDF: 3535605.5/22

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

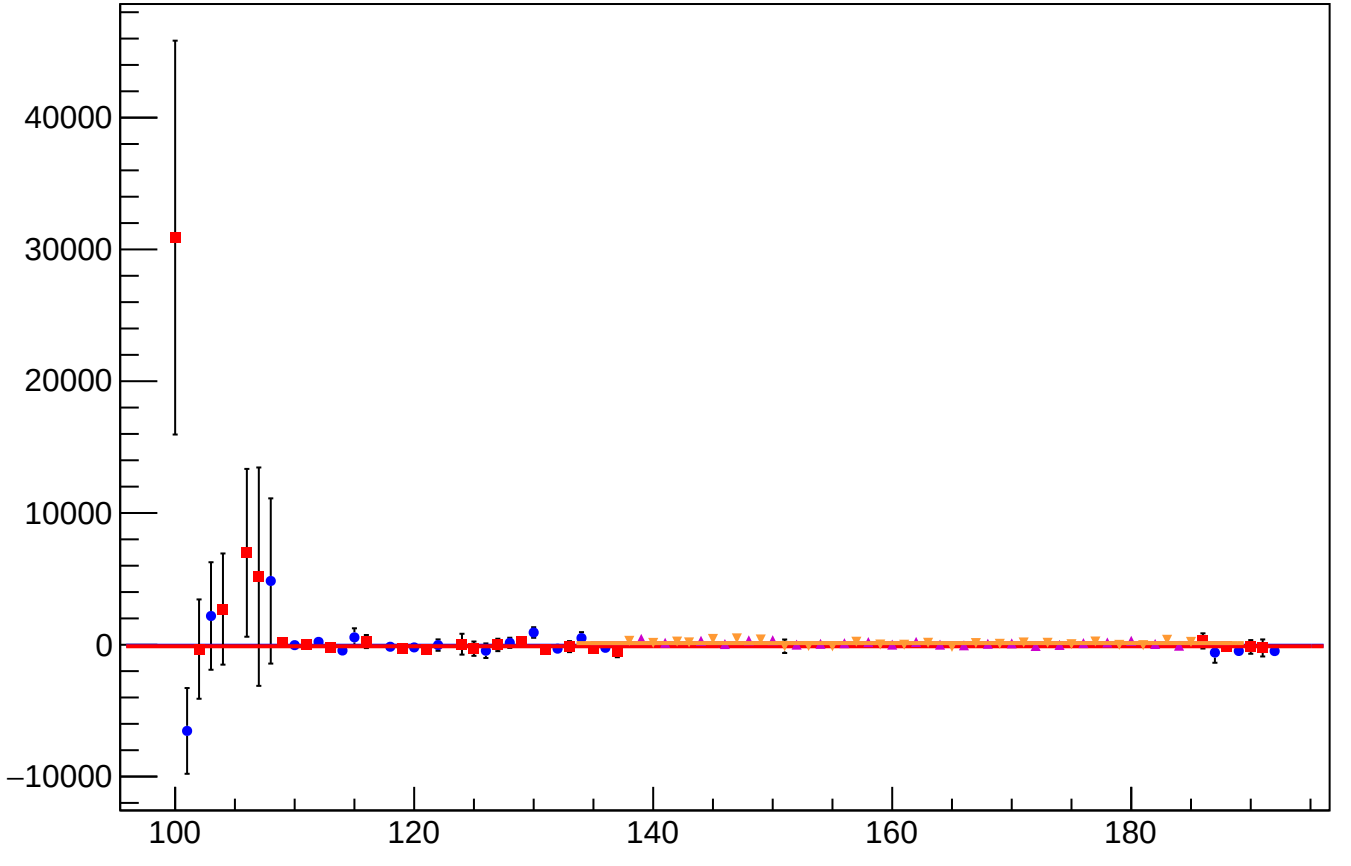
Right: 33.789+/-0.006 χ^2/NDF: 6784086.0/41

In: 34.300+/-0.005 χ^2/NDF:3314144.0/41

Out: 34.280+/-0.005 χ^2/NDF:3583174.5/47

All: 34.290+/-0.003 χ^2/NDF: 6897326.8/89

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



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: -114.063+/-73.290 χ^2/NDF: 13.8/22

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

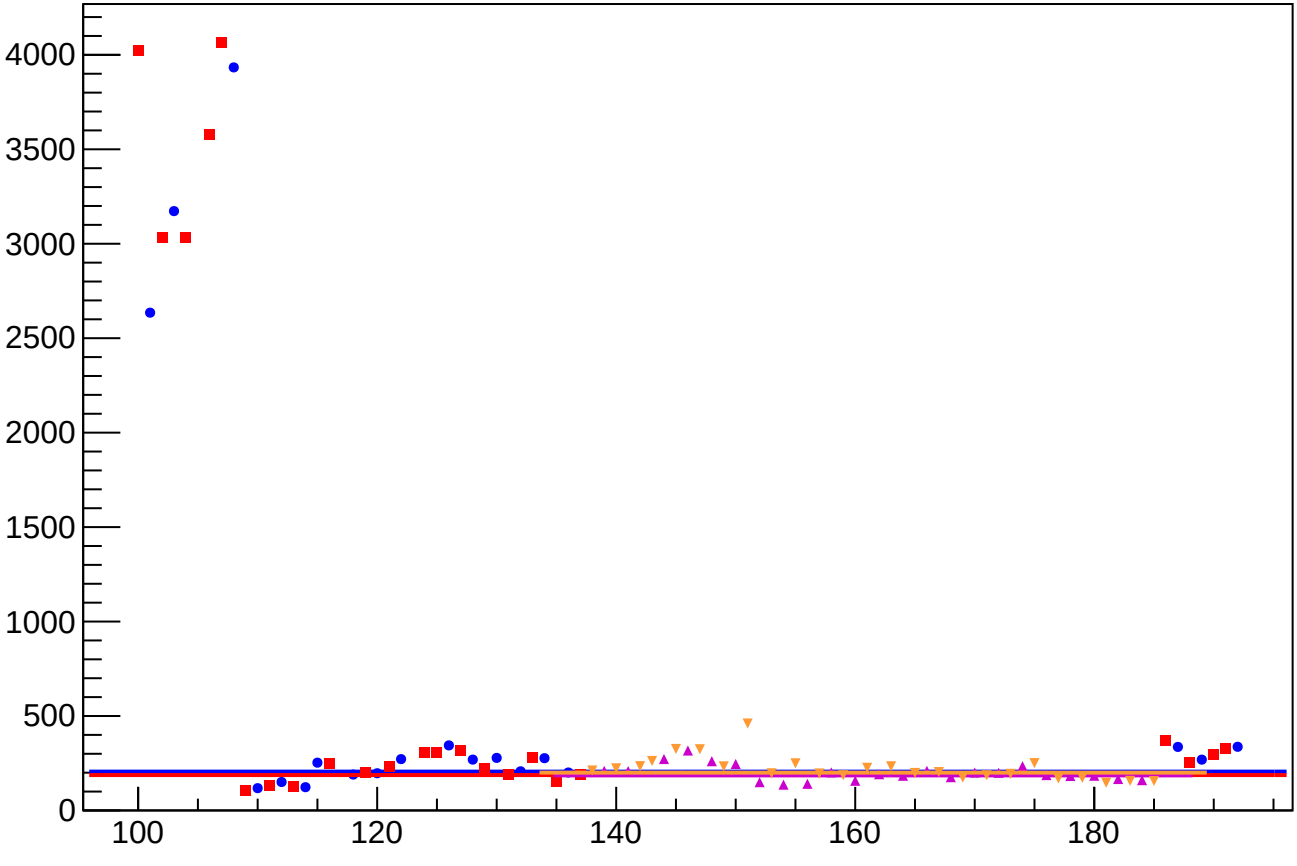
Right: -94.839+/-54.089 χ^2/NDF: 35.6/41

In: 75.849+/-39.371 χ^2/NDF:34.0/41

Out: 56.757+/-39.699 χ^2/NDF:33.2/47

All: 66.382+/-27.955 χ^2/NDF: 67.3/89

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: 187.353+/-0.052 χ^2/NDF: 4892256.1/22

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

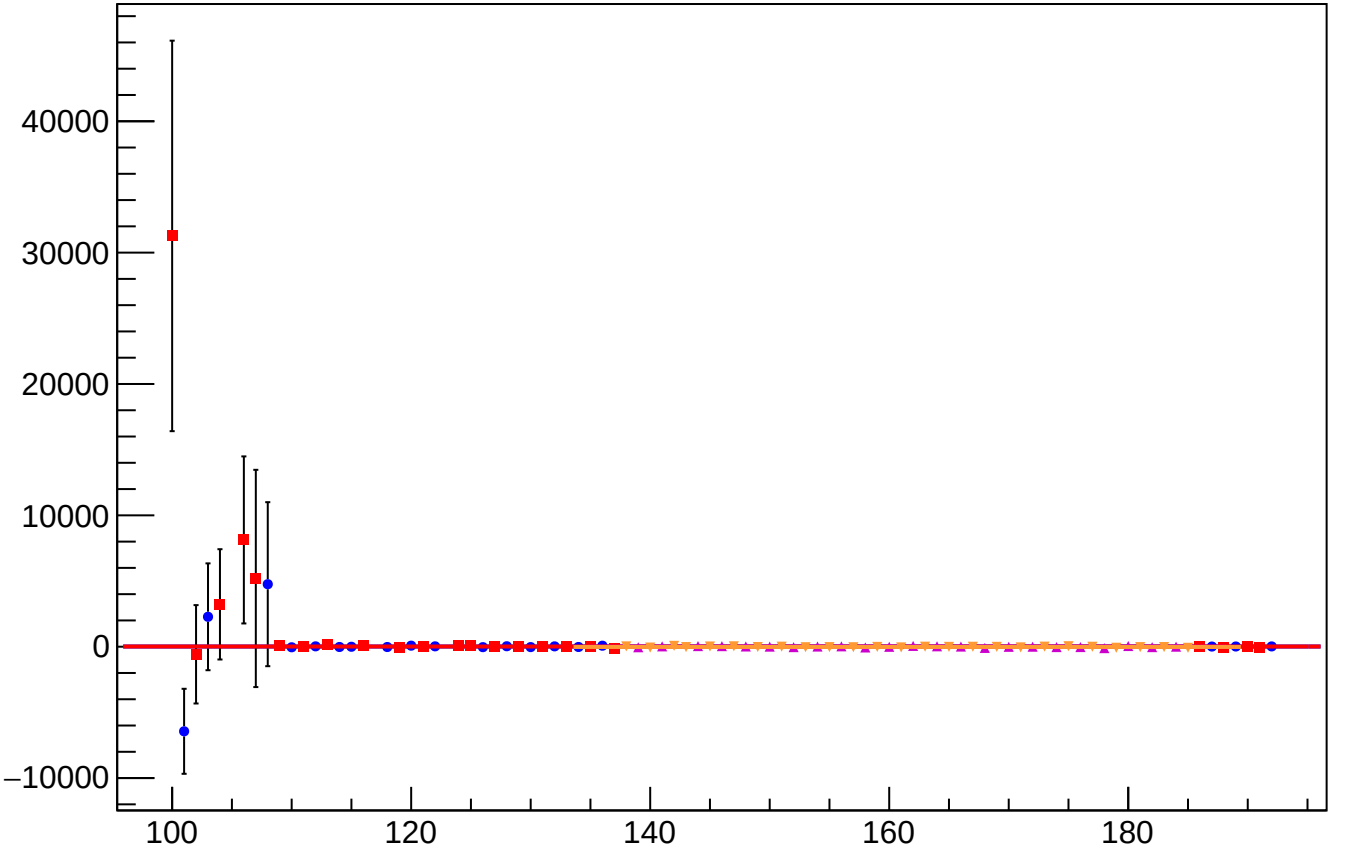
Right: 195.645+/-0.038 χ^2/NDF: 9227623.5/41

In: 190.622+/-0.028 χ^2/NDF:5776255.4/41

Out: 196.552+/-0.028 χ^2/NDF:6813383.0/47

All: 193.562+/-0.020 χ^2/NDF: 12612135.2/89

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: 15.065+/-11.332 χ^2/NDF: 32.2/22

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

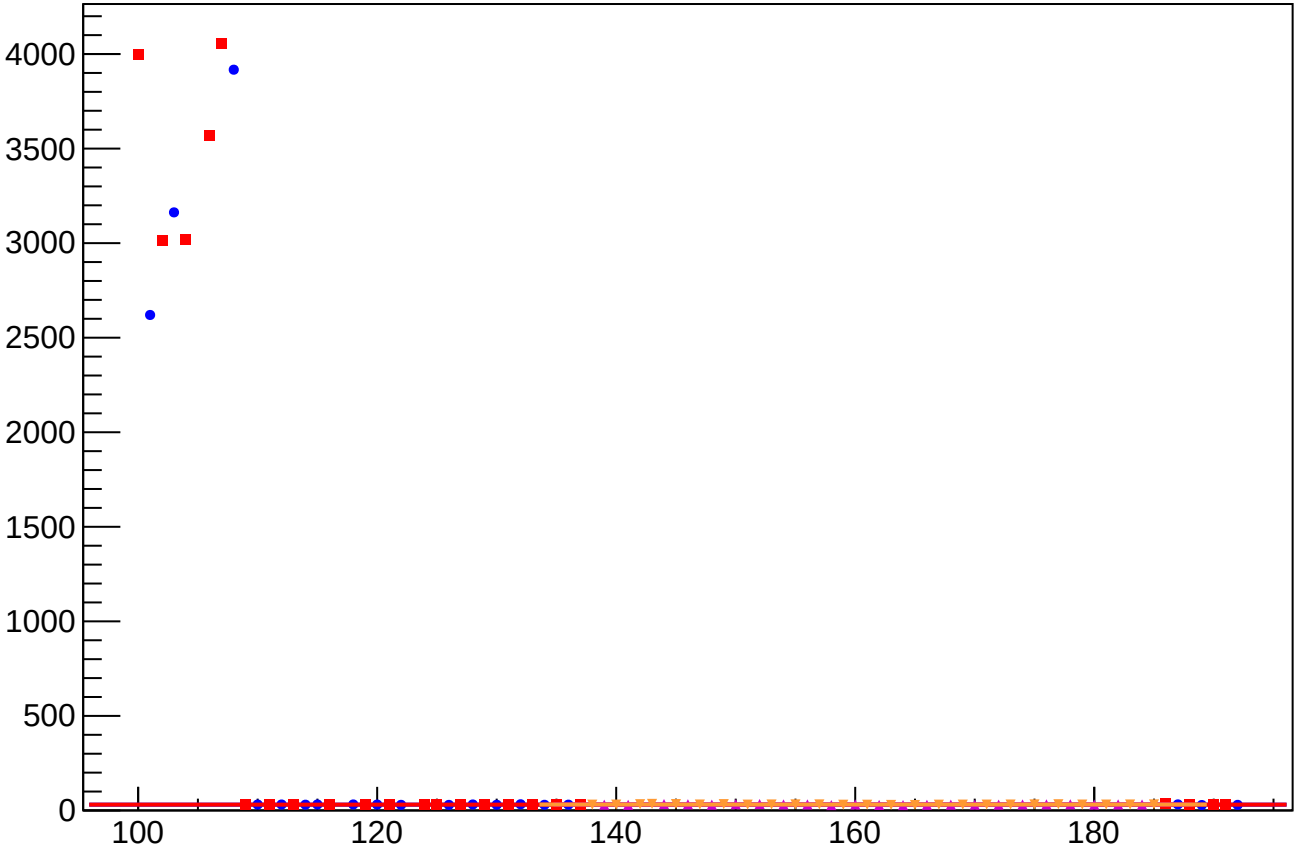
Right: 15.024+/-8.012 χ^2/NDF: 47.7/41

In: 2.530+/-6.165 χ^2/NDF:52.8/41

Out: -9.030+/-6.038 χ^2/NDF:58.9/47

All: -3.370+/-4.313 χ^2/NDF: 113.5/89

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: 30.786+/-0.008 χ^2/NDF: 3549366.1/22

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

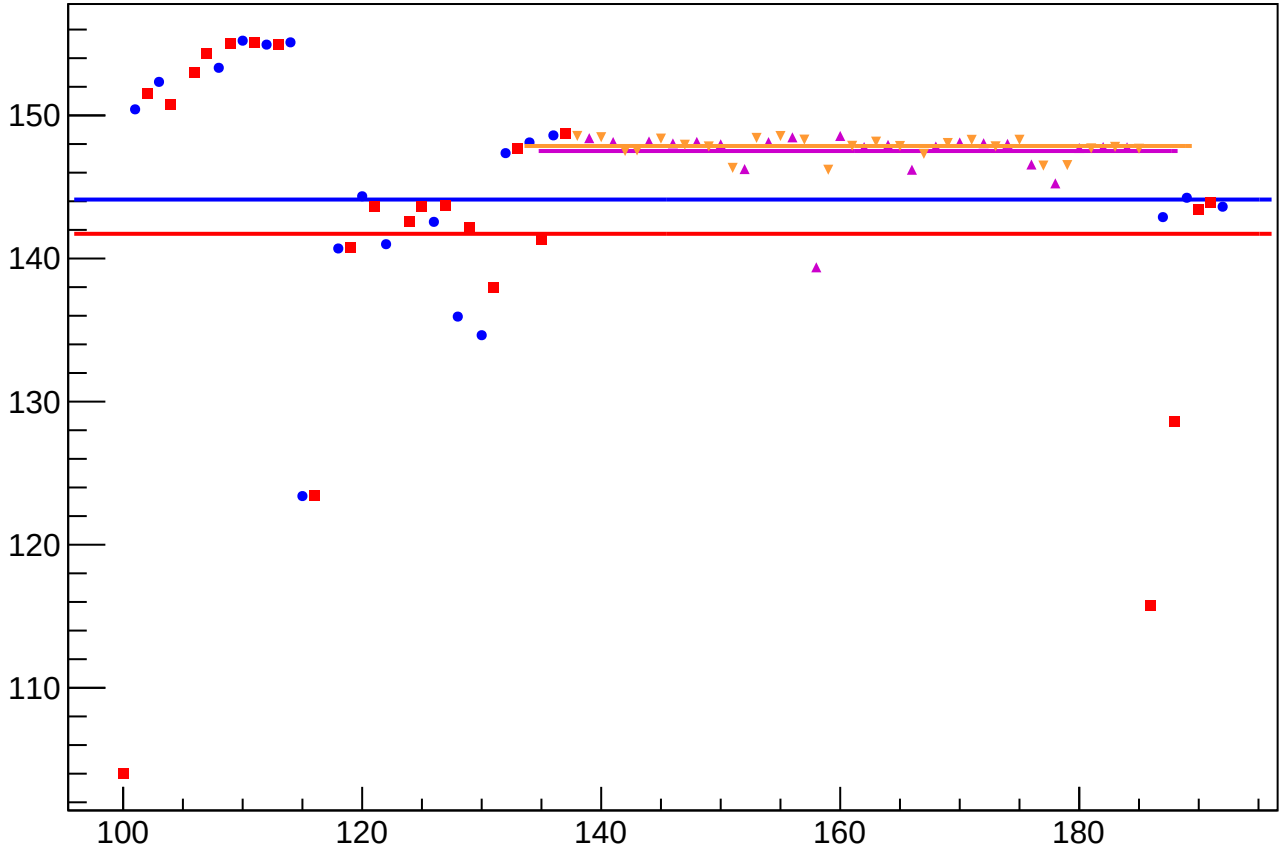
Right: 30.683+/-0.006 χ^2/NDF: 6811260.7/41

In: 31.143+/-0.004 χ^2/NDF:3353808.8/41

Out: 31.183+/-0.004 χ^2/NDF:3615809.8/47

All: 31.163+/-0.003 χ^2/NDF: 6969661.3/89

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: 141.727+/-0.000 χ^2/NDF: 7403138719.7/22

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

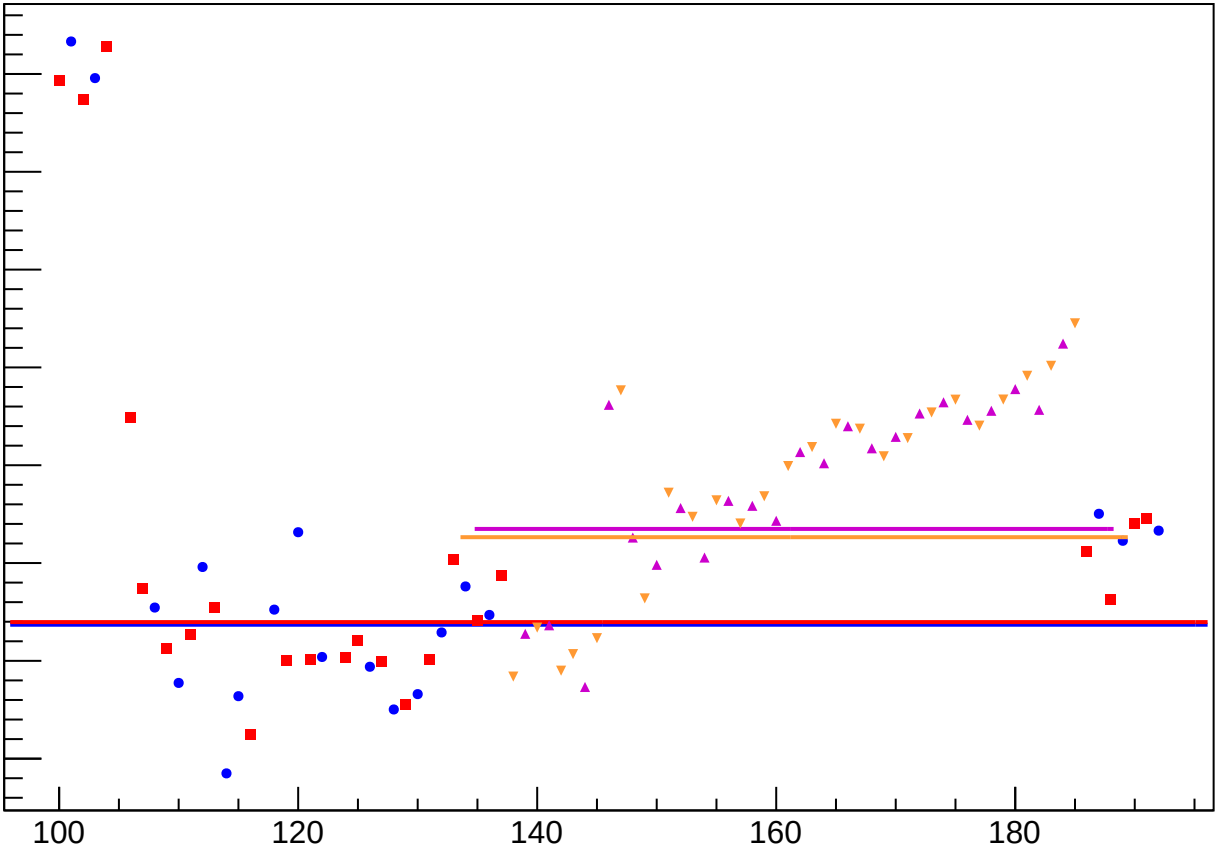
Right: 142.896+/-0.000 χ^2/NDF: 11322723986.1/41

In: 146.075+/-0.000 χ^2/NDF:4468129450.9/41

Out: 145.322+/-0.000 χ^2/NDF:8961780335.5/47

All: 145.686+/-0.000 χ^2/NDF: 13475255025.

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: 0.340+/-0.000 χ^2/NDF: 1410736.4/22

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

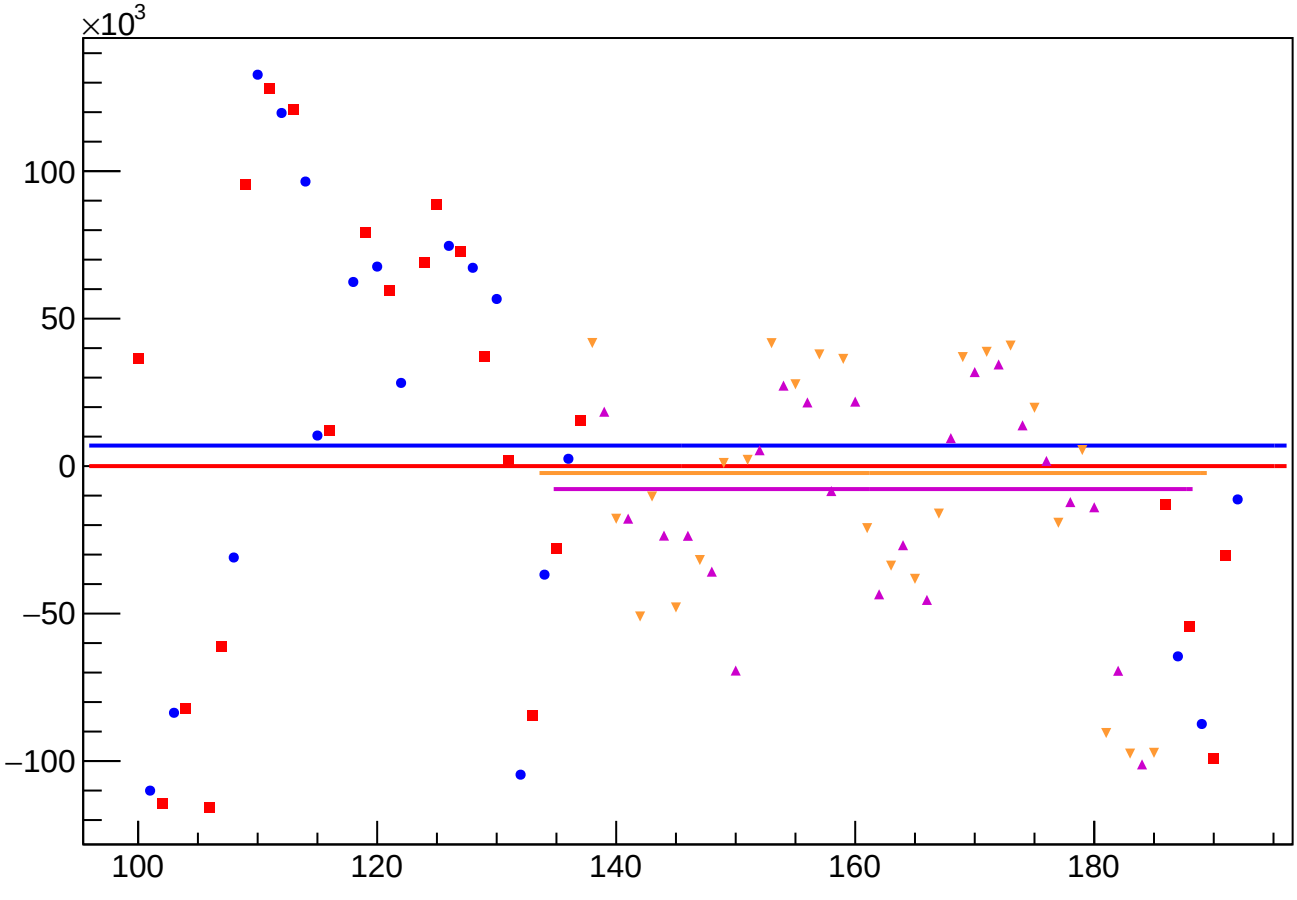
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.338+/-0.000 χ^2/NDF: 2982452.9/41

In: 0.393+/-0.000 χ^2/NDF:4070983.9/41

Out: 0.390+/-0.000 χ^2/NDF:4275435.5/47

All: 0.392+/-0.000 χ^2/NDF: 8347779.8/89



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: 2.096+/-1.703 χ^2/NDF: 2143533750.3/22

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

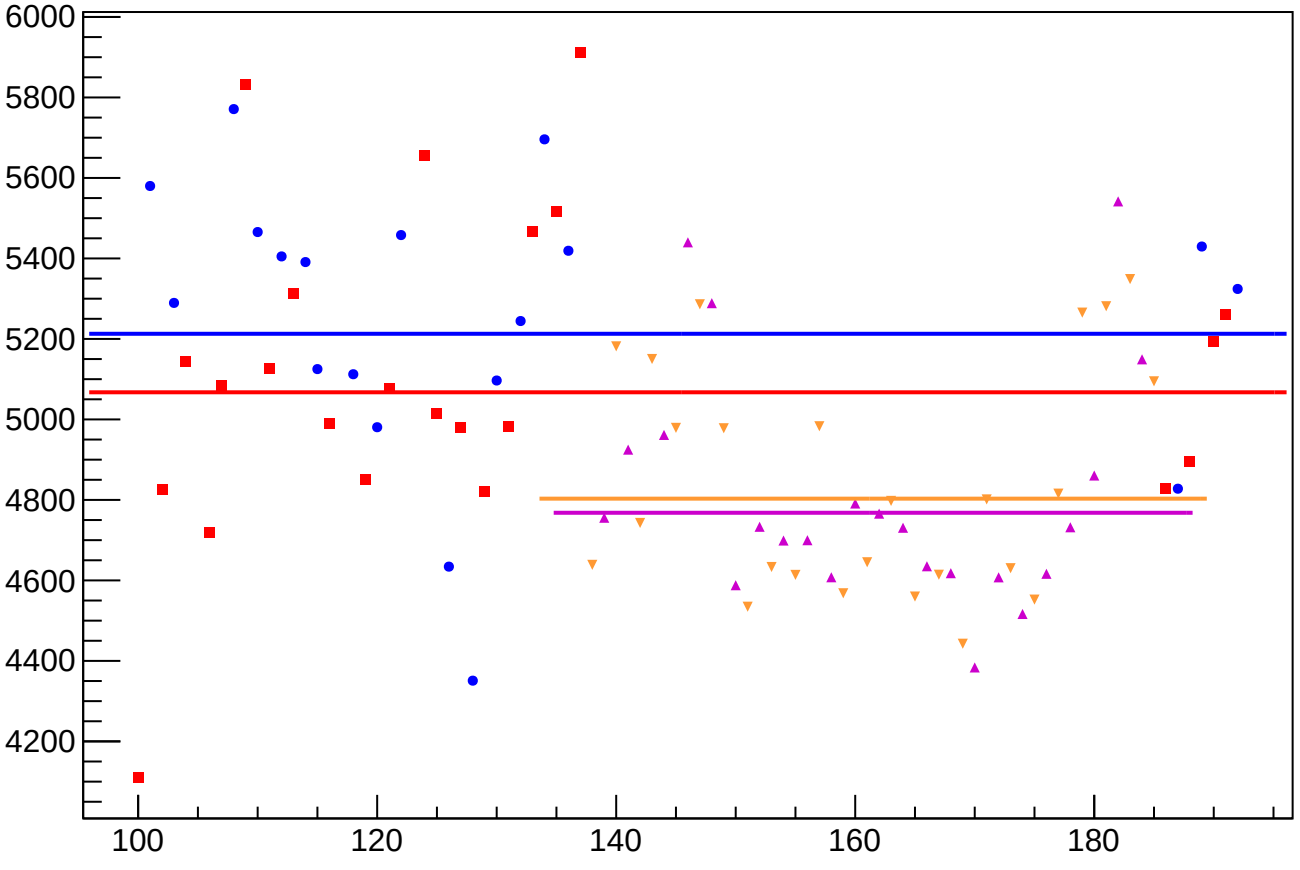
Right: 3264.514+/-1.241 χ^2/NDF: 3773843240.0/41

In: -3585.369+/-0.968 χ^2/NDF:2432297550.8/41

Out: -1633.370+/-0.938 χ^2/NDF:3374886544.0/47

All: -2578.434+/-0.673 χ^2/NDF: 5809282272

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: 5067.412+/-1.204 χ^2/NDF: 64717.4/22

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

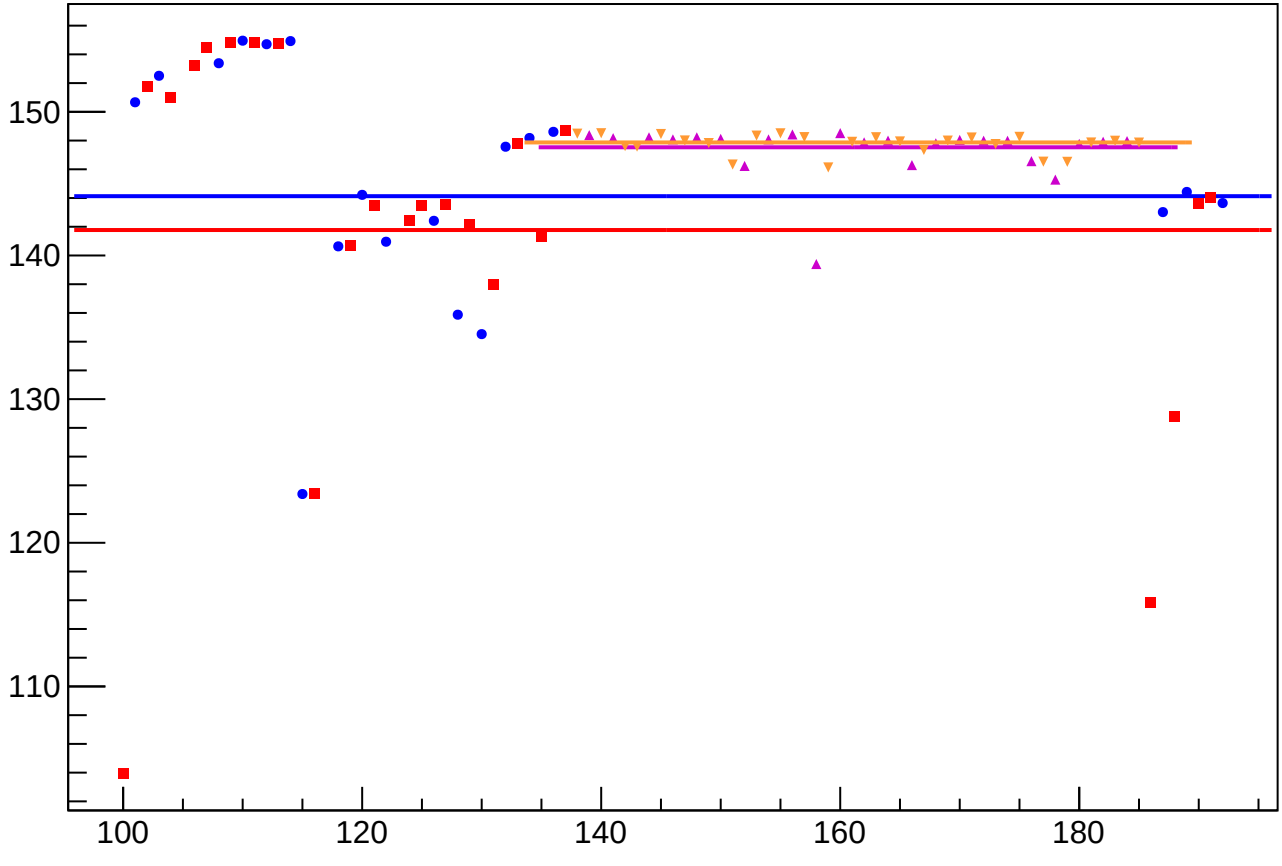
Right: 5135.547+/-0.878 χ^2/NDF: 153351.1/41

In: 4894.757+/-0.684 χ^2/NDF:270189.3/41

Out: 4883.252+/-0.663 χ^2/NDF:212960.4/47

All: 4888.822+/-0.476 χ^2/NDF: 483295.5/89

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: 141.772+/-0.000 χ^2/NDF: 7375255674.6/22

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

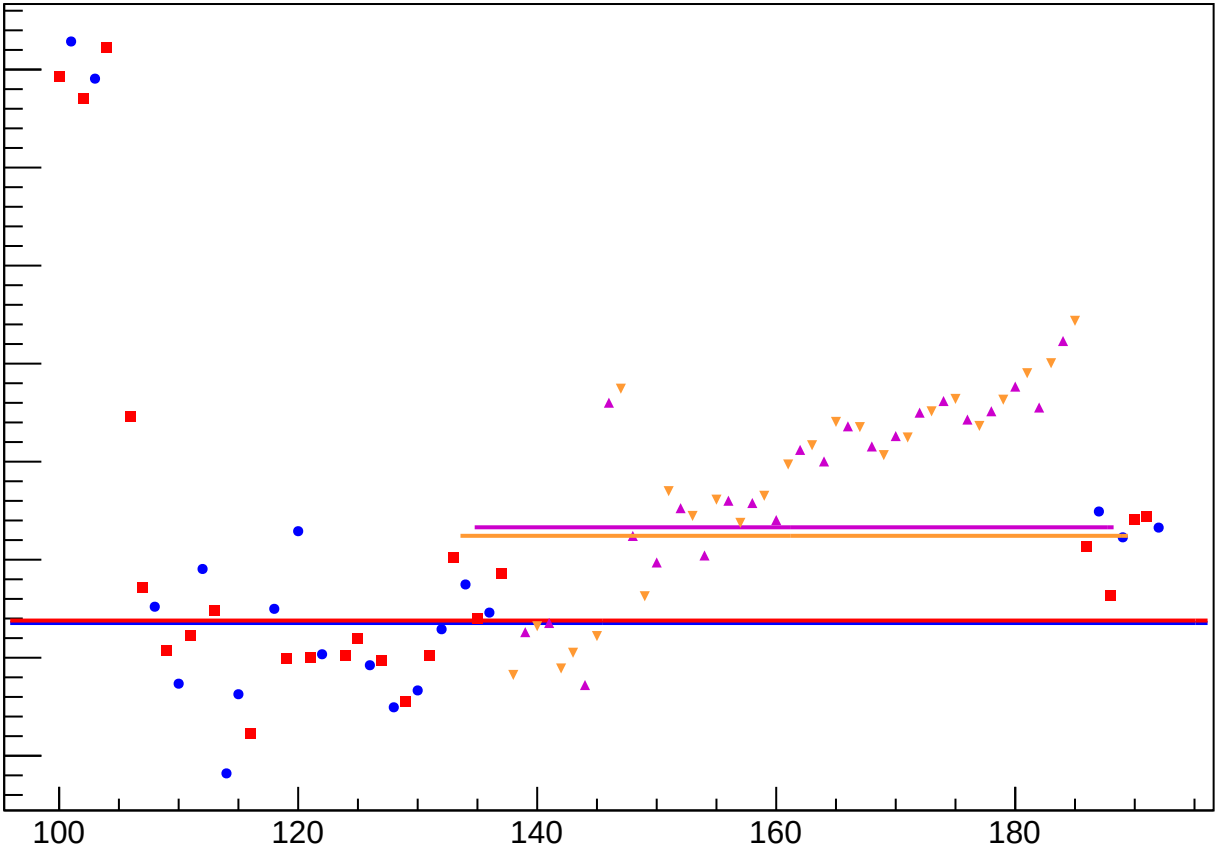
Right: 142.923+/-0.000 χ^2/NDF: 11330342529.6/41

In: 146.090+/-0.000 χ^2/NDF:4515924063.9/41

Out: 145.345+/-0.000 χ^2/NDF:8927996368.4/47

All: 145.704+/-0.000 χ^2/NDF: 13488712136.

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: 0.338+/-0.000 χ^2/NDF: 1415552.2/22

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

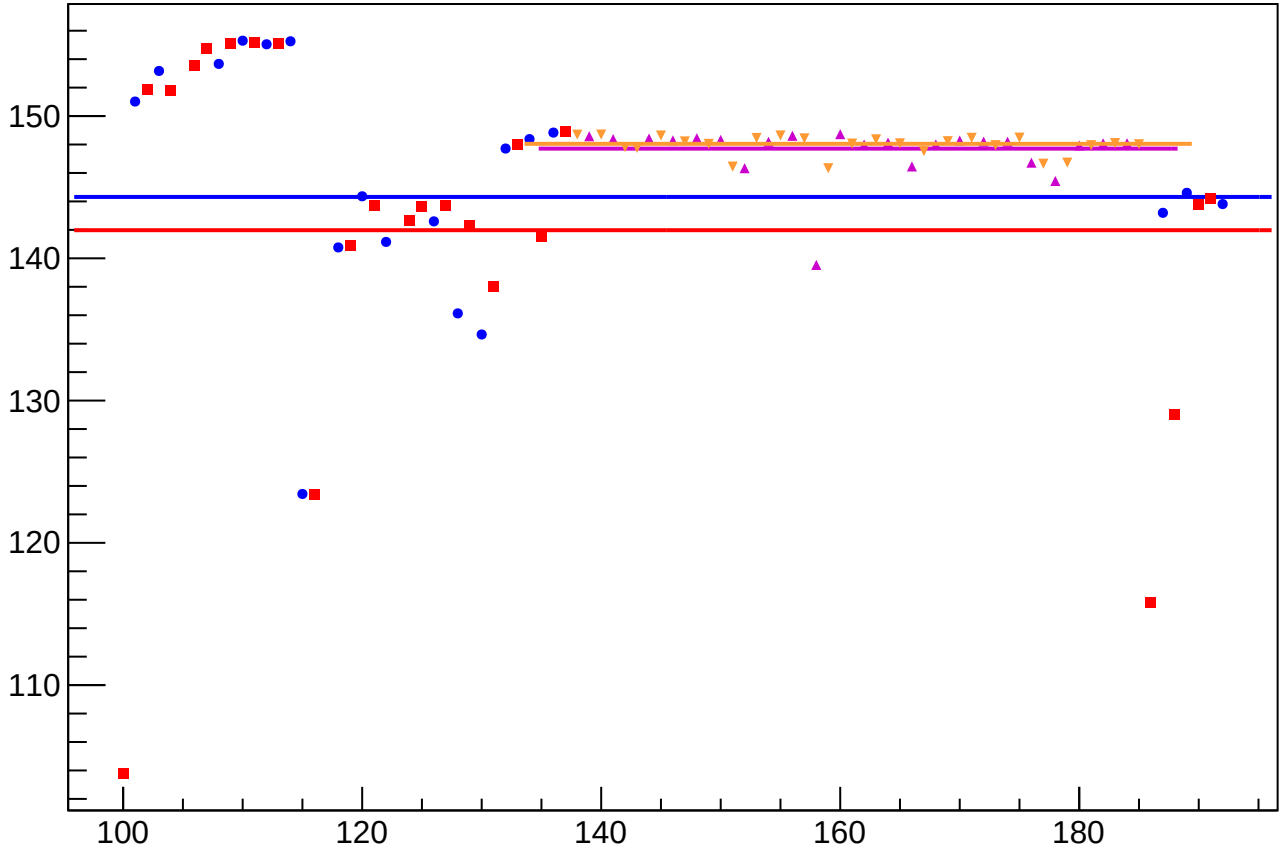
Right: 0.337+/-0.000 χ^2/NDF: 2991883.0/41

In: 0.392+/-0.000 χ^2/NDF:4073885.3/41

Out: 0.389+/-0.000 χ^2/NDF:4282408.6/47

All: 0.390+/-0.000 χ^2/NDF: 8357852.3/89

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: 141.977+/-0.000 χ^2/NDF: 7313679931.6/22

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

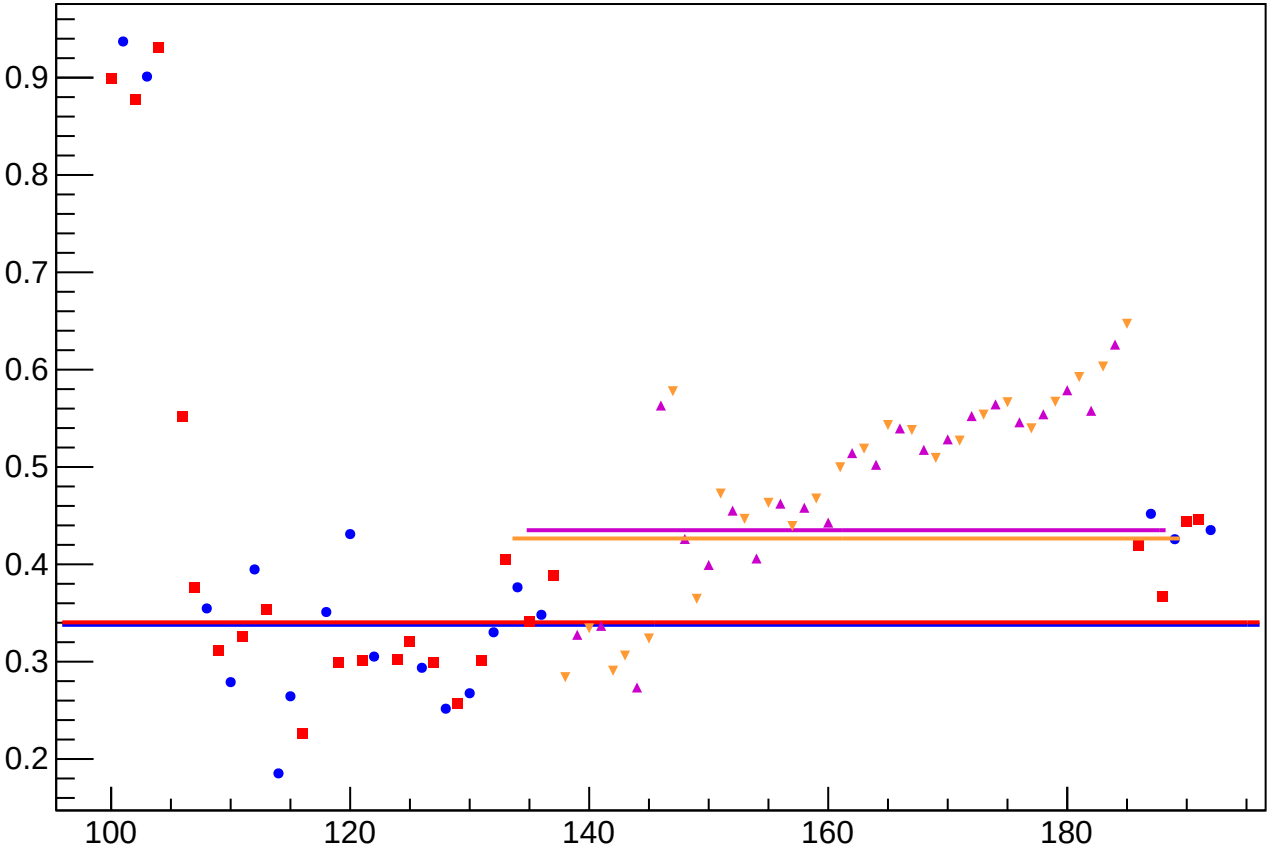
Right: 143.119+/-0.000 χ^2/NDF: 11257111637.0/41

In: 146.276+/-0.000 χ^2/NDF:4507207251.7/41

Out: 145.541+/-0.000 χ^2/NDF:8835492072.9/47

All: 145.896+/-0.000 χ^2/NDF: 13385750708.

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: 0.340+/-0.000 χ^2/NDF: 1417965.6/22

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

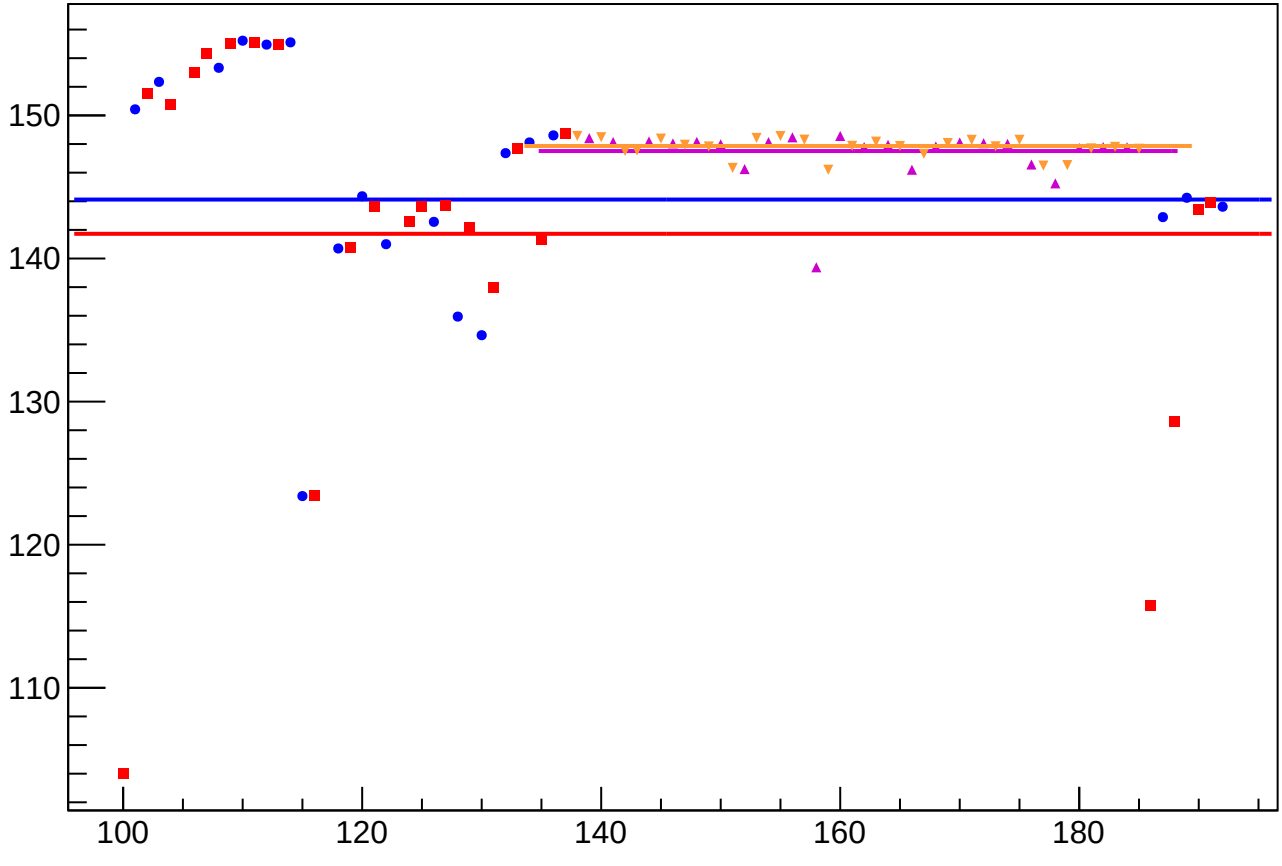
Right: 0.339+/-0.000 χ^2/NDF: 2988894.8/41

In: 0.394+/-0.000 χ^2/NDF:4051338.5/41

Out: 0.391+/-0.000 χ^2/NDF:4269847.5/47

All: 0.392+/-0.000 χ^2/NDF: 8322646.2/89

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: 141.727+/-0.000 χ^2/NDF: 7403138719.7/22

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

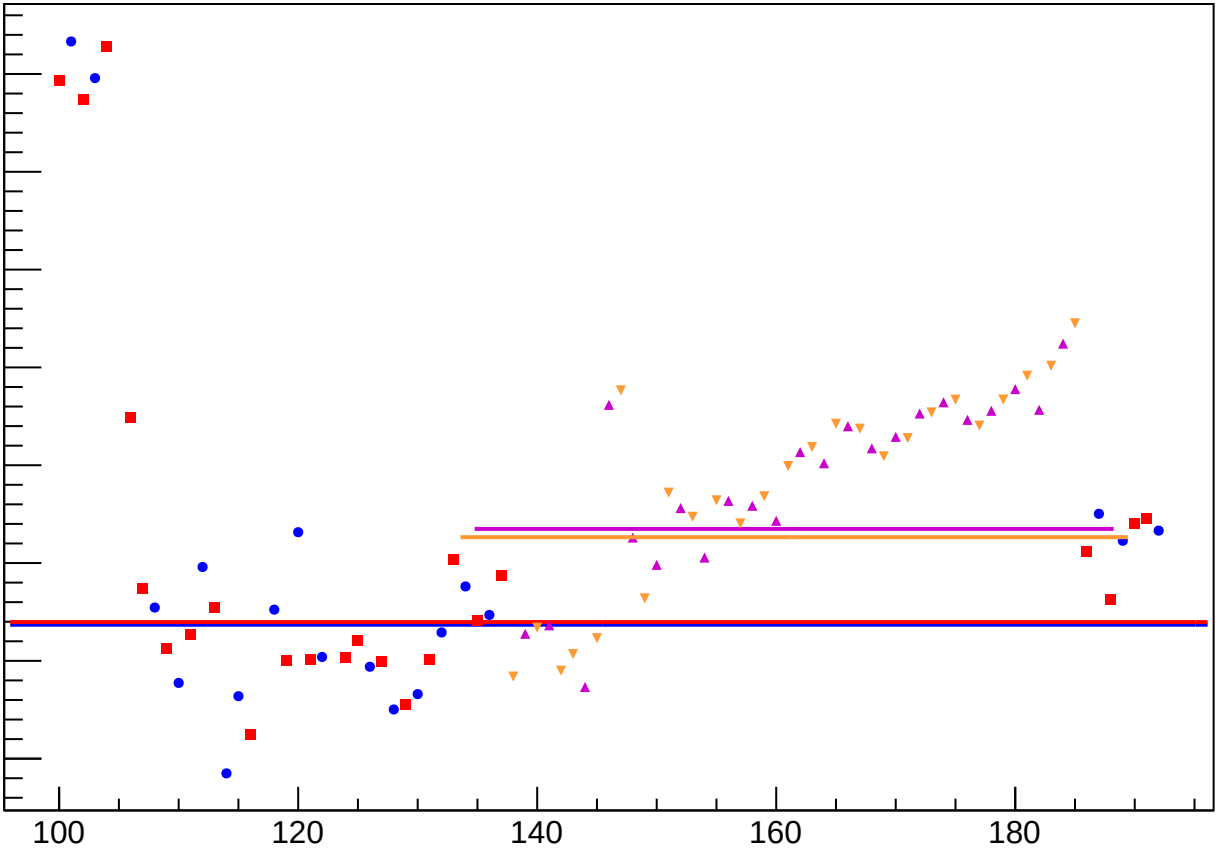
Right: 142.896+/-0.000 χ^2/NDF: 11322723986.1/41

In: 146.075+/-0.000 χ^2/NDF:4468129450.9/41

Out: 145.322+/-0.000 χ^2/NDF:8961780335.5/47

All: 145.686+/-0.000 χ^2/NDF: 13475255025.

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: 0.340+/-0.000 χ^2/NDF: 1410736.4/22

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

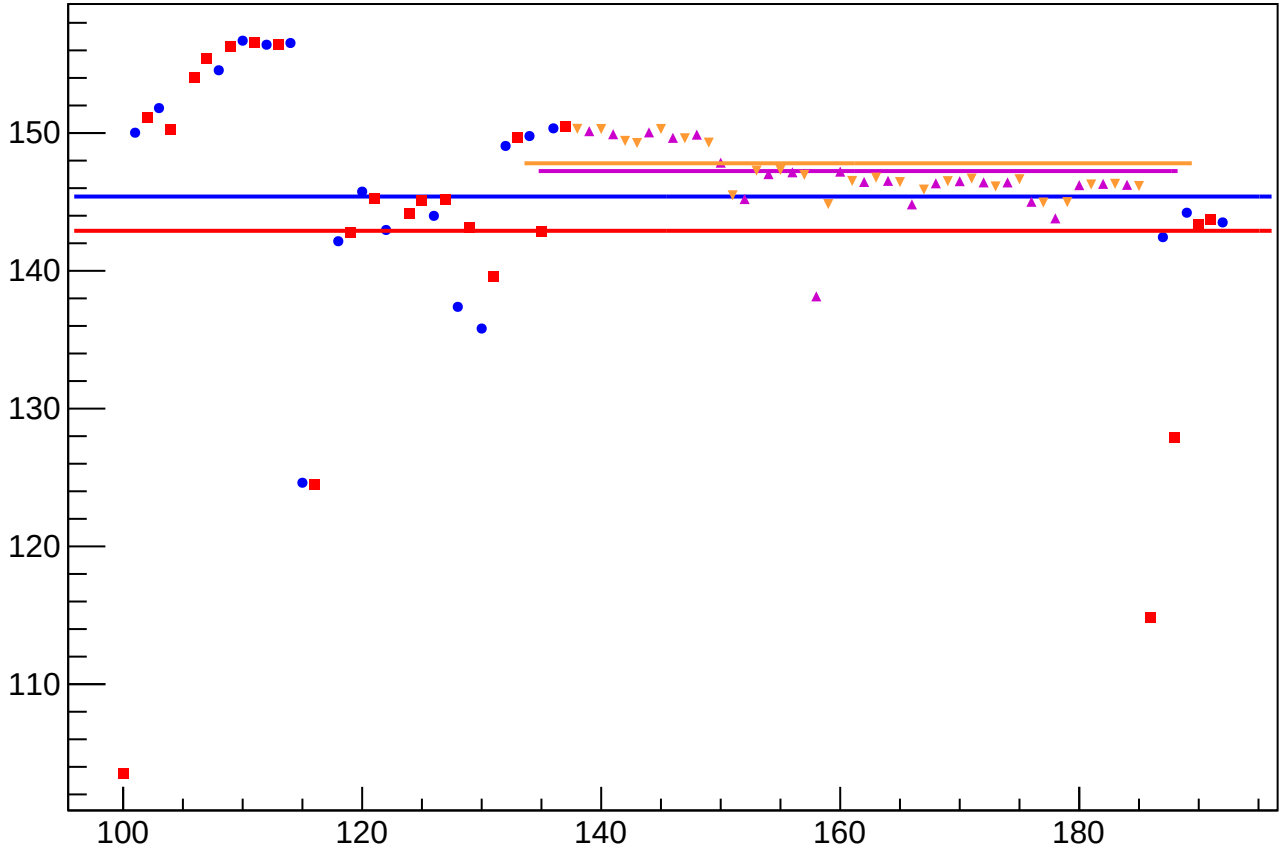
Right: 0.338+/-0.000 χ^2/NDF: 2982452.9/41

In: 0.393+/-0.000 χ^2/NDF:4070983.9/41

Out: 0.390+/-0.000 χ^2/NDF:4275435.5/47

All: 0.392+/-0.000 χ^2/NDF: 8347779.8/89

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: 142.905+/-0.000 χ^2/NDF: 7566081419.4/22

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

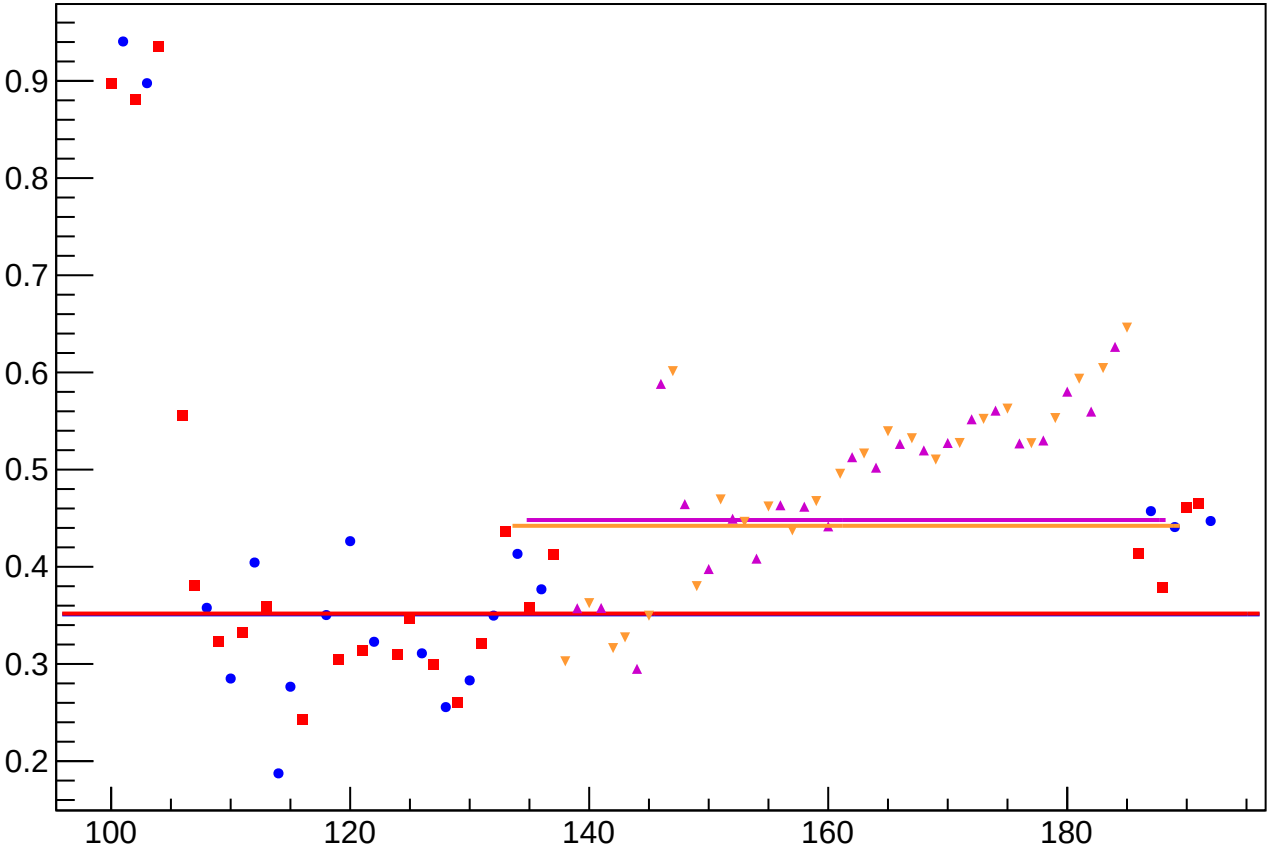
Right: 144.113+/-0.000 χ^2/NDF: 11269657782.3/41

In: 146.473+/-0.000 χ^2/NDF:4251187175.0/41

Out: 145.790+/-0.000 χ^2/NDF:8795427763.9/47

All: 146.121+/-0.000 χ^2/NDF: 13081652631.

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: 0.352+/-0.000 χ^2/NDF: 1379787.4/22

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

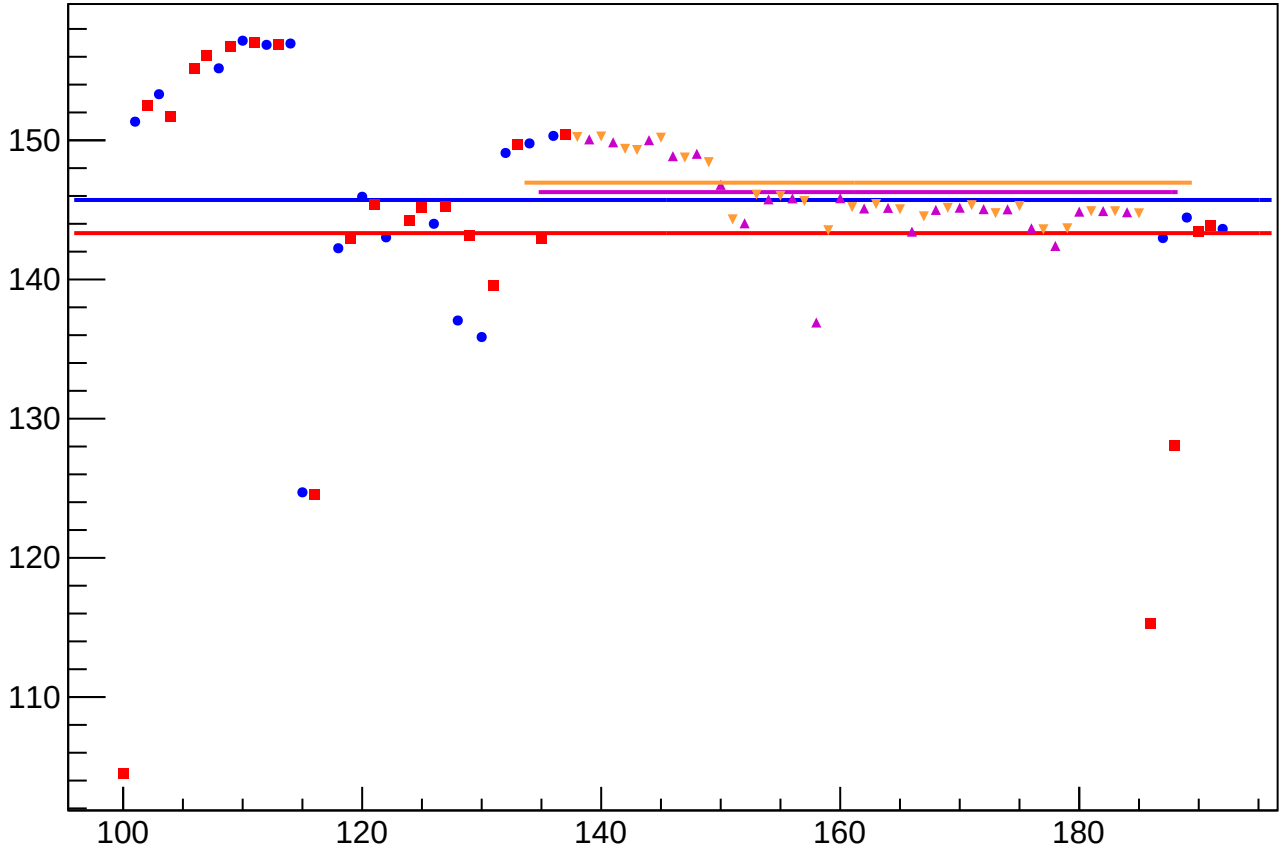
Right: 0.351+/-0.000 χ^2/NDF: 2914661.8/41

In: 0.408+/-0.000 χ^2/NDF:3548169.7/41

Out: 0.405+/-0.000 χ^2/NDF:3697034.5/47

All: 0.406+/-0.000 χ^2/NDF: 7246372.7/89

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



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: 143.330+/-0.000 χ^2/NDF: 7649703788.5/22

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

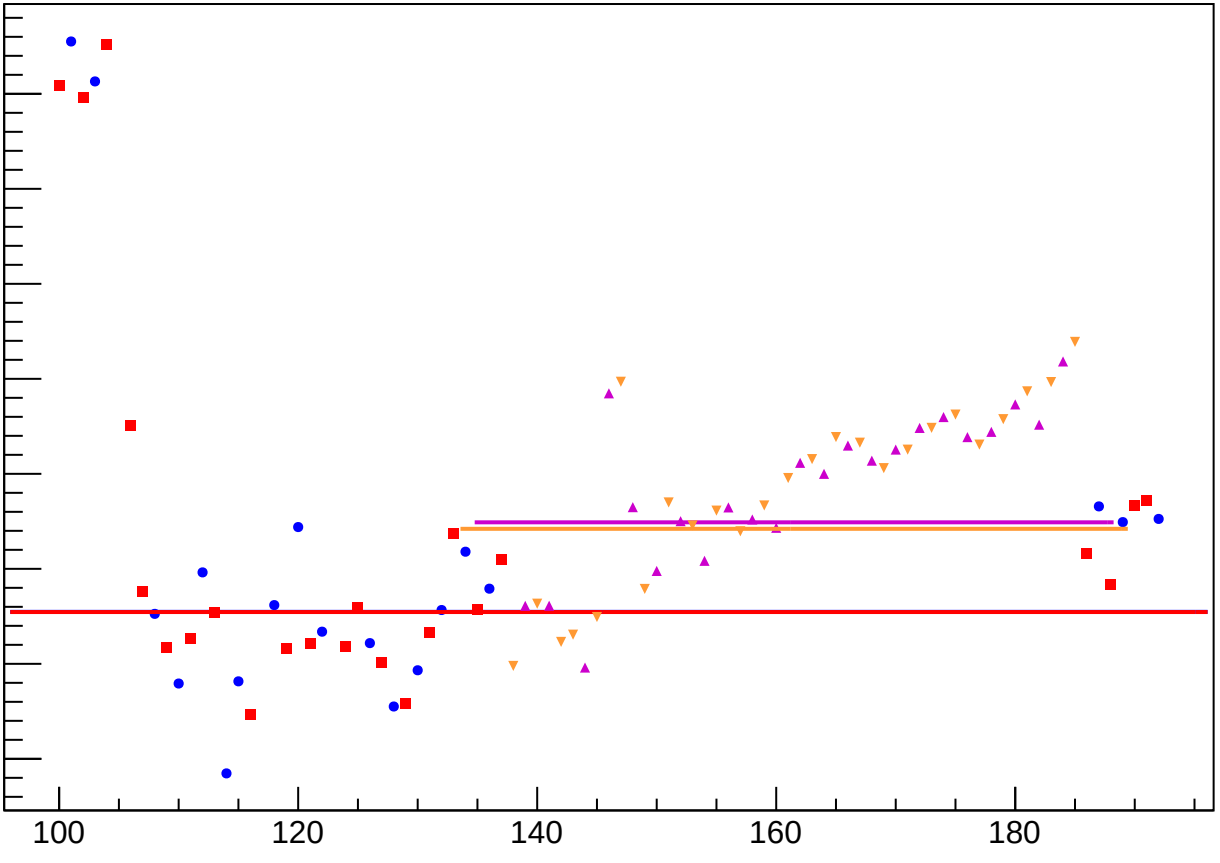
Right: 144.483+/-0.000 χ^2/NDF: 11476447834.9/41

In: 146.046+/-0.000 χ^2/NDF:4490865453.4/41

Out: 145.481+/-0.000 χ^2/NDF:8681499720.1/47

All: 145.753+/-0.000 χ^2/NDF: 13196104742.

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: 0.355+/-0.000 χ^2/NDF: 1379591.3/22

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

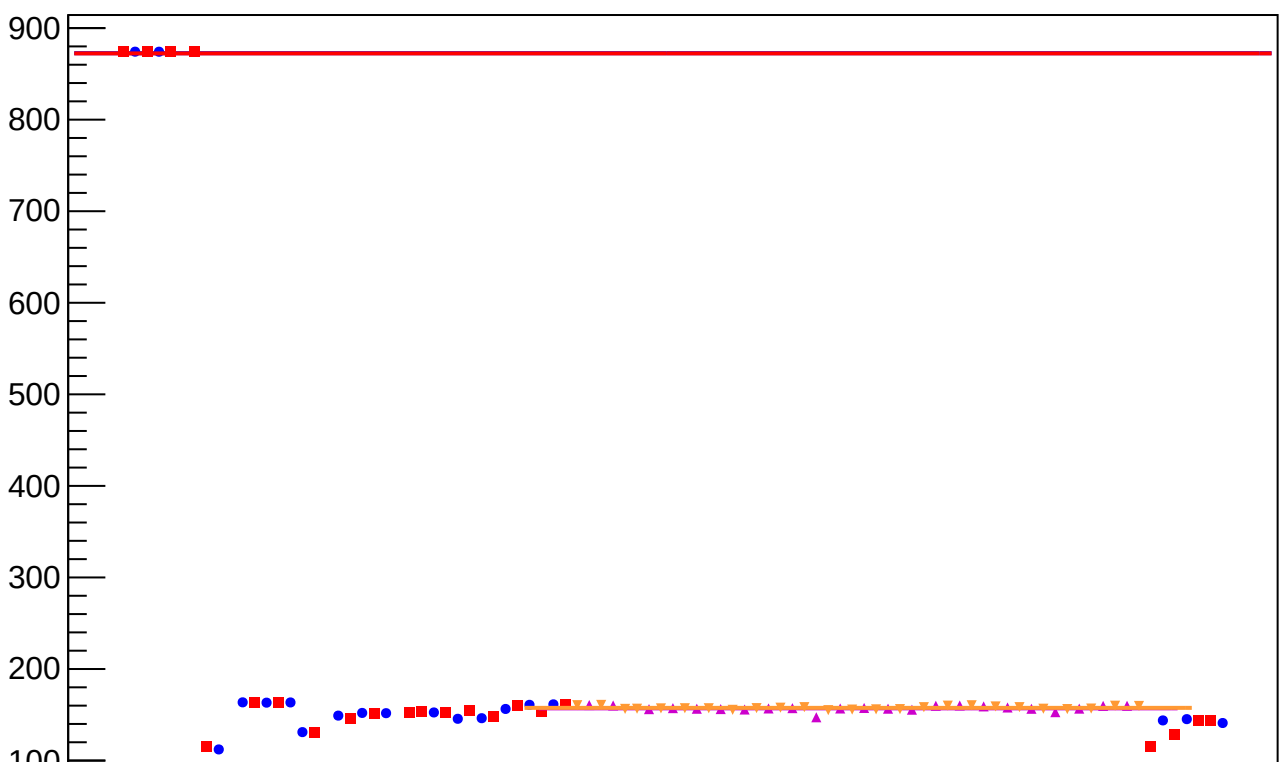
Right: 0.355+/-0.000 χ^2/NDF: 2941361.4/41

In: 0.410+/-0.000 χ^2/NDF:3479312.5/41

Out: 0.406+/-0.000 χ^2/NDF:3627177.9/47

All: 0.408+/-0.000 χ^2/NDF: 7108711.1/89

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: 872.365+/-0.000 χ^2/NDF: 11065845130598.5/22

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

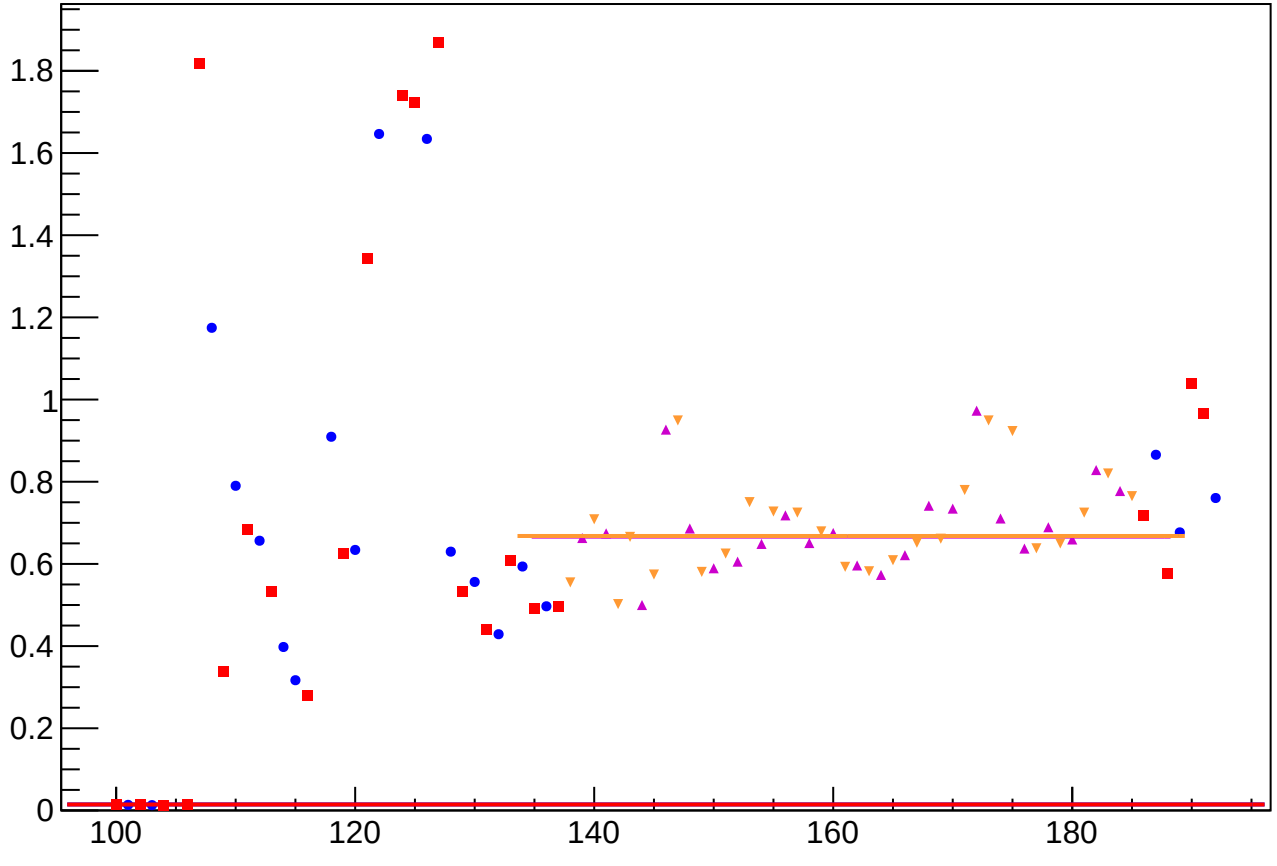
Right: 872.467+/-0.000 χ^2/NDF: 19495650986480.

In: 869.345+/-0.000 χ^2/NDF:24949372596182.9/

Out: 869.428+/-0.000 χ^2/NDF:28305748511863.1

All: 869.389+/-0.000 χ^2/NDF: 532551479356

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: 12332463.5/22

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

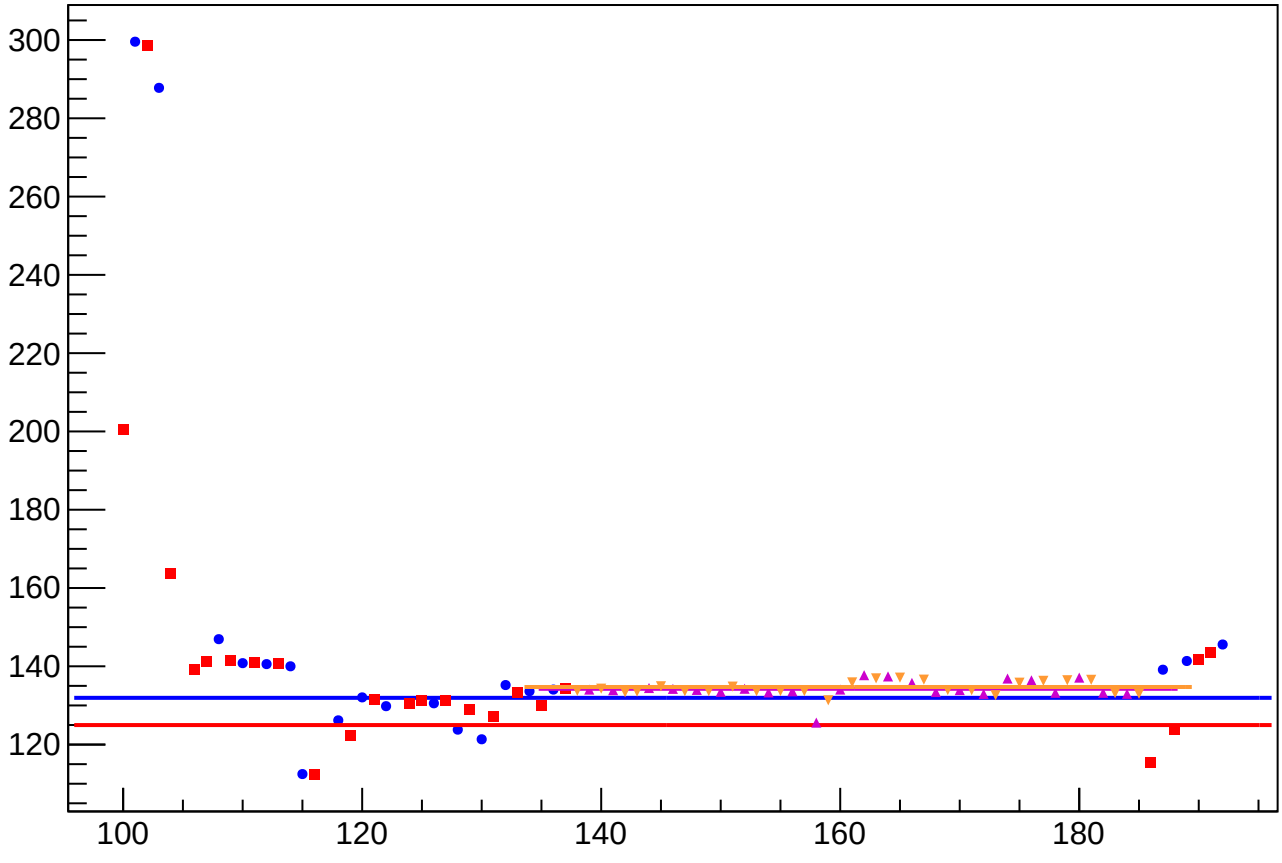
Right: 0.015+/-0.000 χ^2/NDF: 24406449.2/41

In: 0.018+/-0.000 χ^2/NDF:40026420.6/41

Out: 0.017+/-0.000 χ^2/NDF:41830808.8/47

All: 0.017+/-0.000 χ^2/NDF: 81858319.1/89

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: 124.985+/-0.000 χ^2/NDF: 1745029510.2/22

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

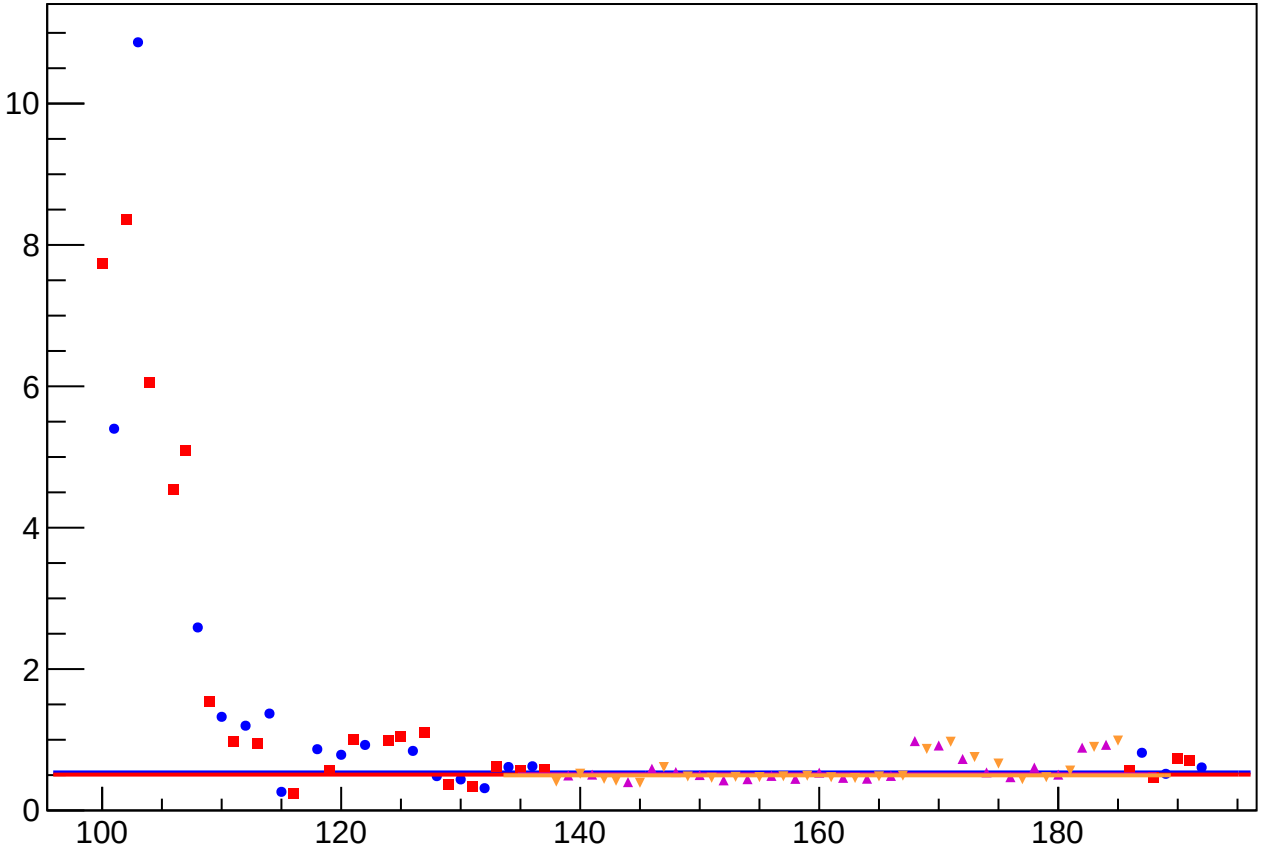
Right: 128.237+/-0.000 χ^2/NDF: 4504027690.8/41

In: 133.741+/-0.000 χ^2/NDF:2829924034.0/41

Out: 132.517+/-0.000 χ^2/NDF:3334975190.8/47

All: 133.096+/-0.000 χ^2/NDF: 6226130565.5

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: 0.507+/-0.000 χ^2/NDF: 4978575.2/22

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

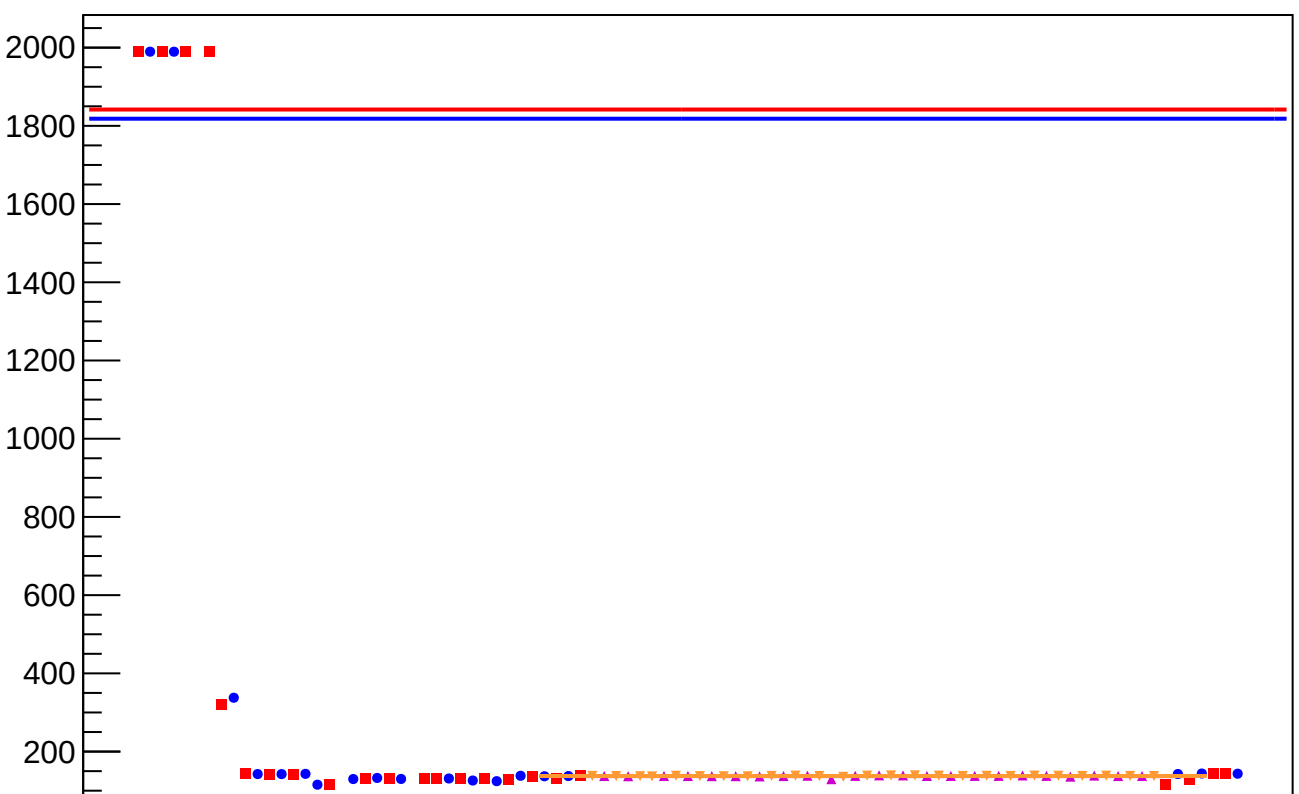
Right: 0.522+/-0.000 χ^2/NDF: 9196984.5/41

In: 0.516+/-0.000 χ^2/NDF:5708206.8/41

Out: 0.499+/-0.000 χ^2/NDF:6554413.7/47

All: 0.507+/-0.000 χ^2/NDF: 12284859.3/89

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: 1841.736+/-0.000 χ^2/NDF: 170792024518903.9/22

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

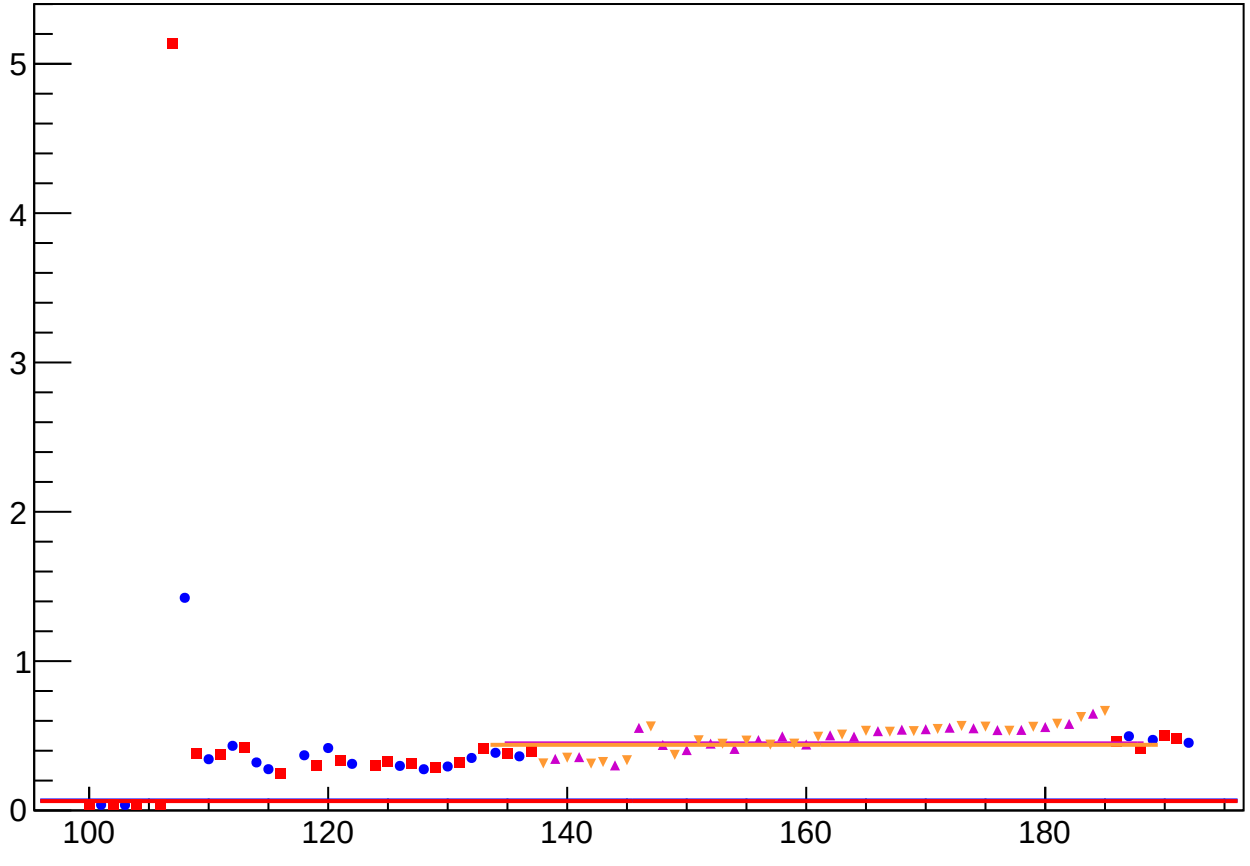
Right: 1830.916+/-0.000 χ^2/NDF: 3376961733615

In: 1602.912+/-0.000 χ^2/NDF:375837407727645.

Out: 1635.769+/-0.000 χ^2/NDF:407840703350197

All: 1620.554+/-0.000 χ^2/NDF: 7840621446

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: 0.063+/-0.000 χ^2/NDF: 10525396.4/22

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

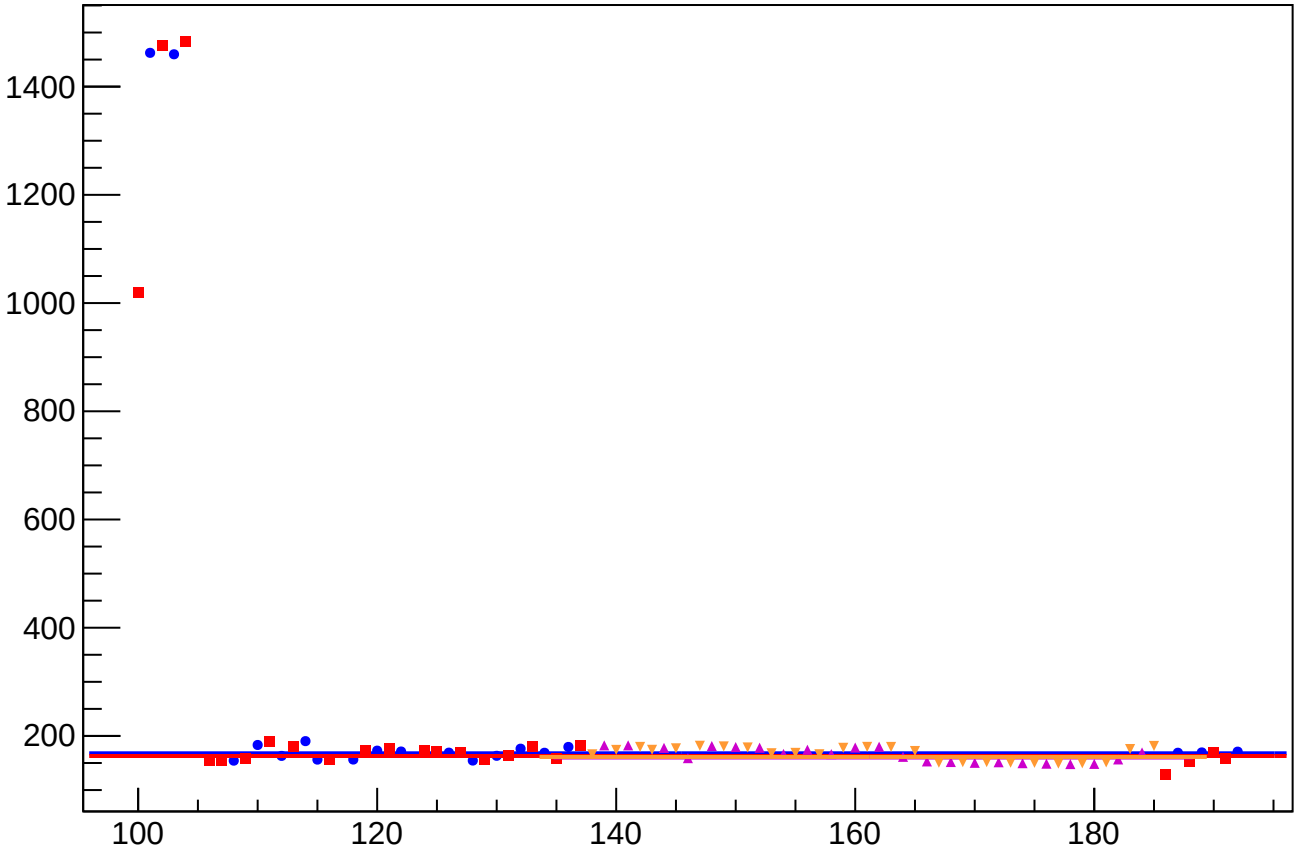
Right: 0.065+/-0.000 χ^2/NDF: 21039777.7/41

In: 0.116+/-0.000 χ^2/NDF:33488873.6/41

Out: 0.108+/-0.000 χ^2/NDF:35479809.4/47

All: 0.112+/-0.000 χ^2/NDF: 69010147.5/89

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: 162.937+/-0.000 χ^2/NDF: 17322580830.6/22

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

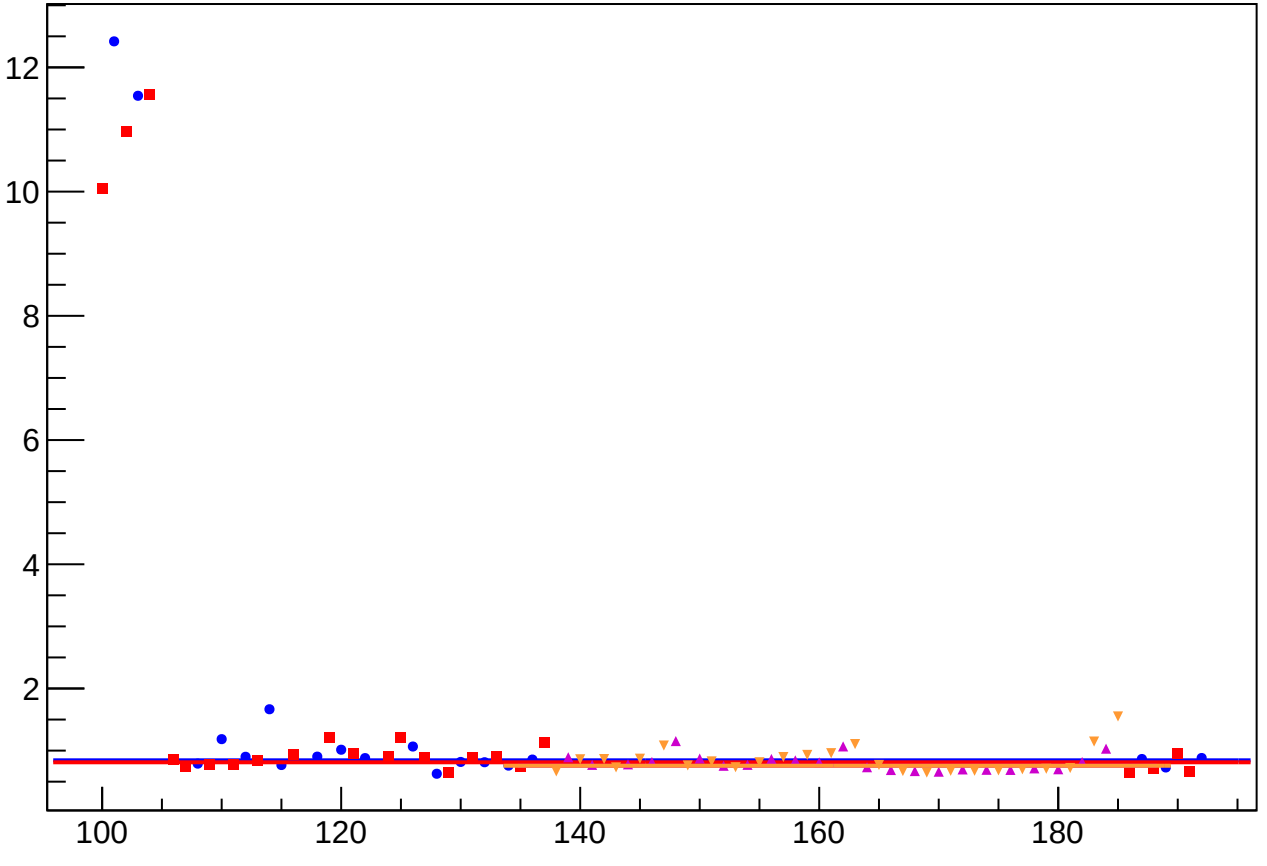
Right: 165.256+/-0.000 χ^2/NDF: 32051313784.9/41

In: 161.986+/-0.000 χ^2/NDF:18708542198.7/41

Out: 161.605+/-0.000 χ^2/NDF:21081726118.9/47

All: 161.790+/-0.000 χ^2/NDF: 39792584390.

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: 0.812+/-0.000 χ^2/NDF: 2339143.7/22

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

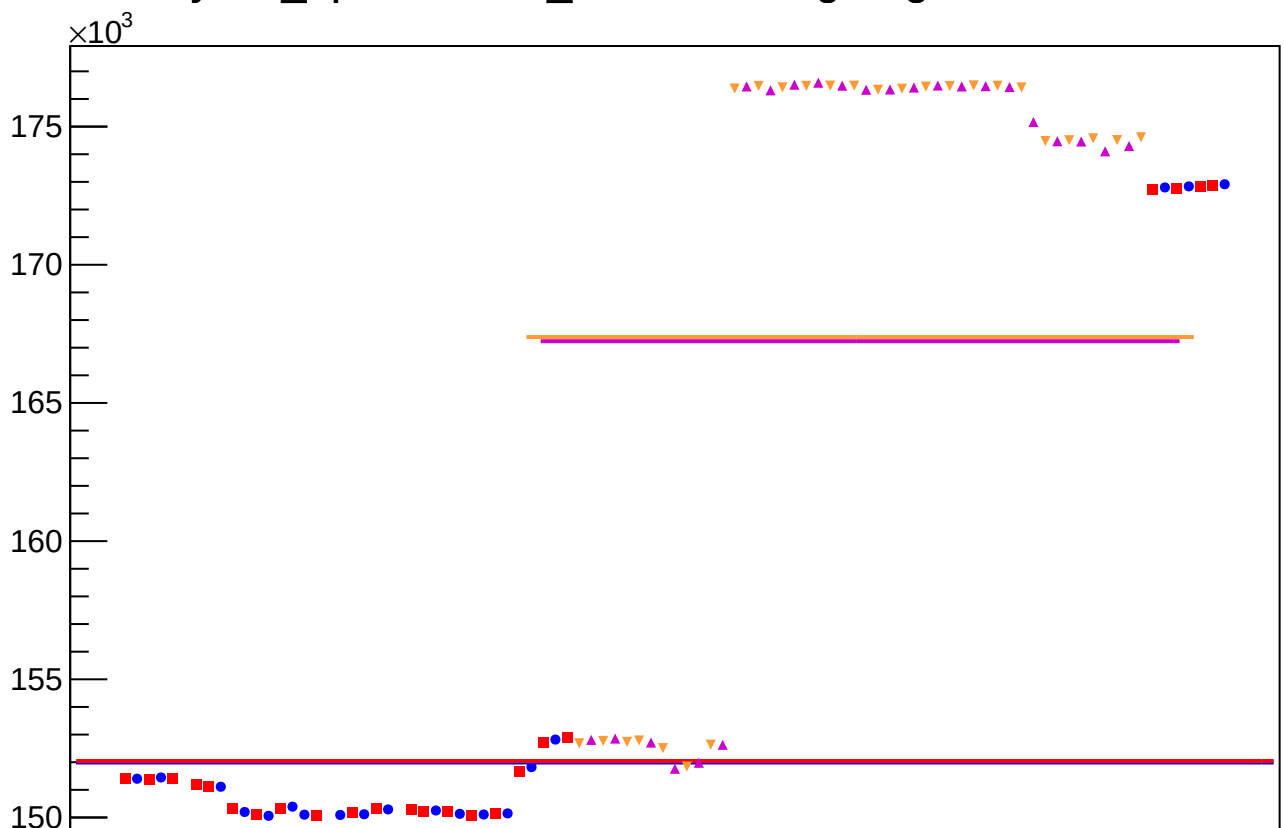
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.827+/-0.000 χ^2/NDF: 4674878.5/41

In: 0.776+/-0.000 χ^2/NDF:2887703.1/41

Out: 0.771+/-0.000 χ^2/NDF:3128183.0/47

All: 0.773+/-0.000 χ^2/NDF: 6016975.2/89



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: 152044.587+/-0.049 χ^2/NDF: 12873384457.7/22

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

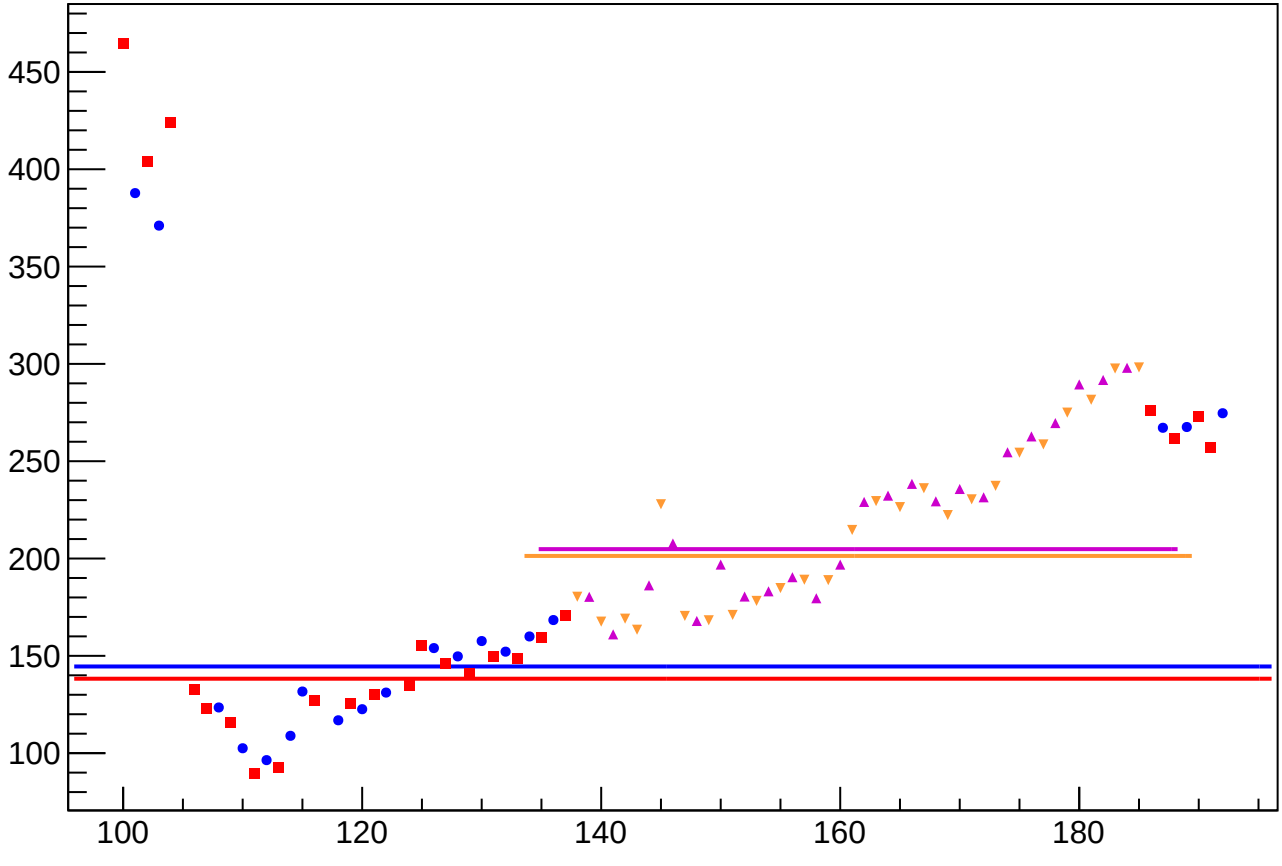
Right: 152019.091+/-0.036 χ^2/NDF: 23740813155.

In: 160206.422+/-0.036 χ^2/NDF:110824336783.1

Out: 160117.285+/-0.034 χ^2/NDF:123531160909.

All: 160159.328+/-0.025 χ^2/NDF: 23435875

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: 138.246+/-0.035 χ^2/NDF: 2574856.8/22

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

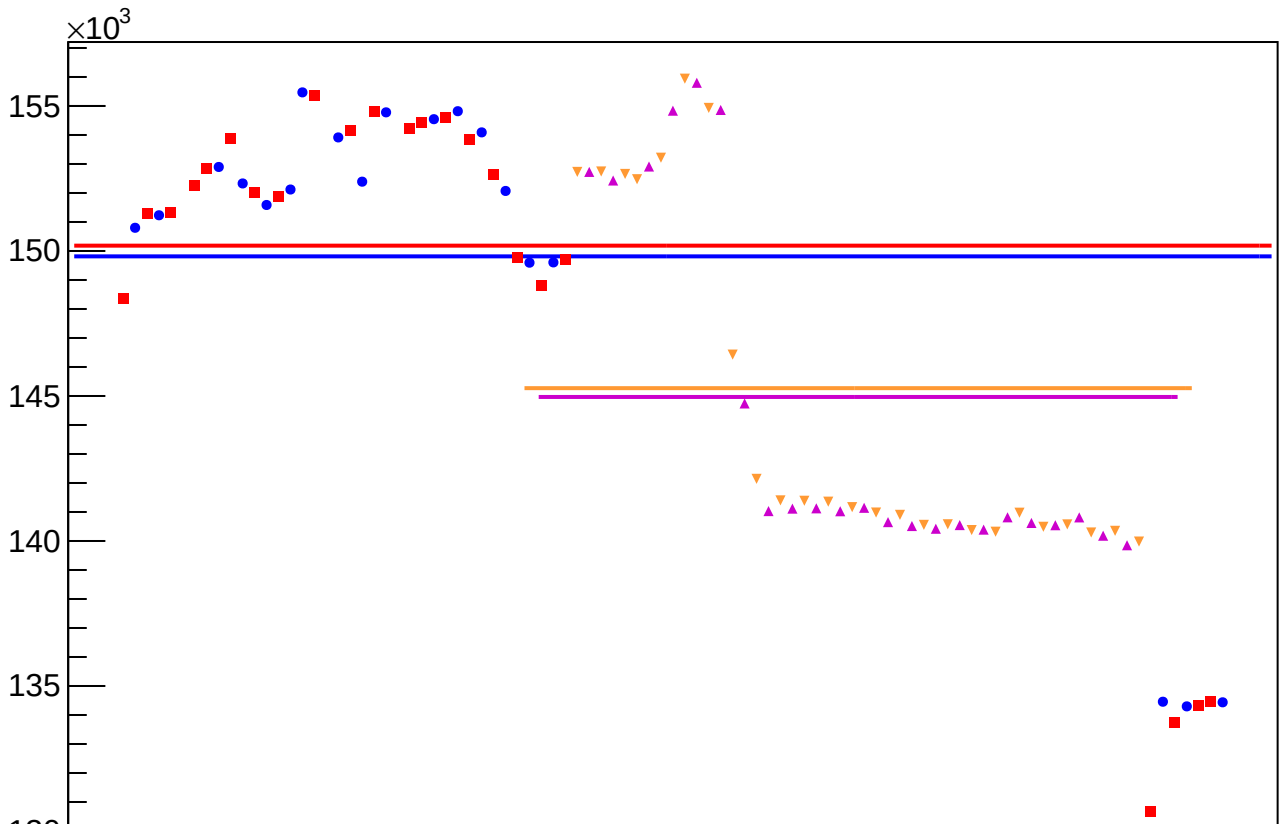
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 141.169+/-0.025 χ^2/NDF: 4792574.2/41

In: 177.031+/-0.025 χ^2/NDF:4658980.6/41

Out: 171.441+/-0.024 χ^2/NDF:5532102.6/47

All: 174.078+/-0.017 χ^2/NDF: 10216735.1/89



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: 150183.854+/-0.062 χ^2/NDF: 12320144893.7/22

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

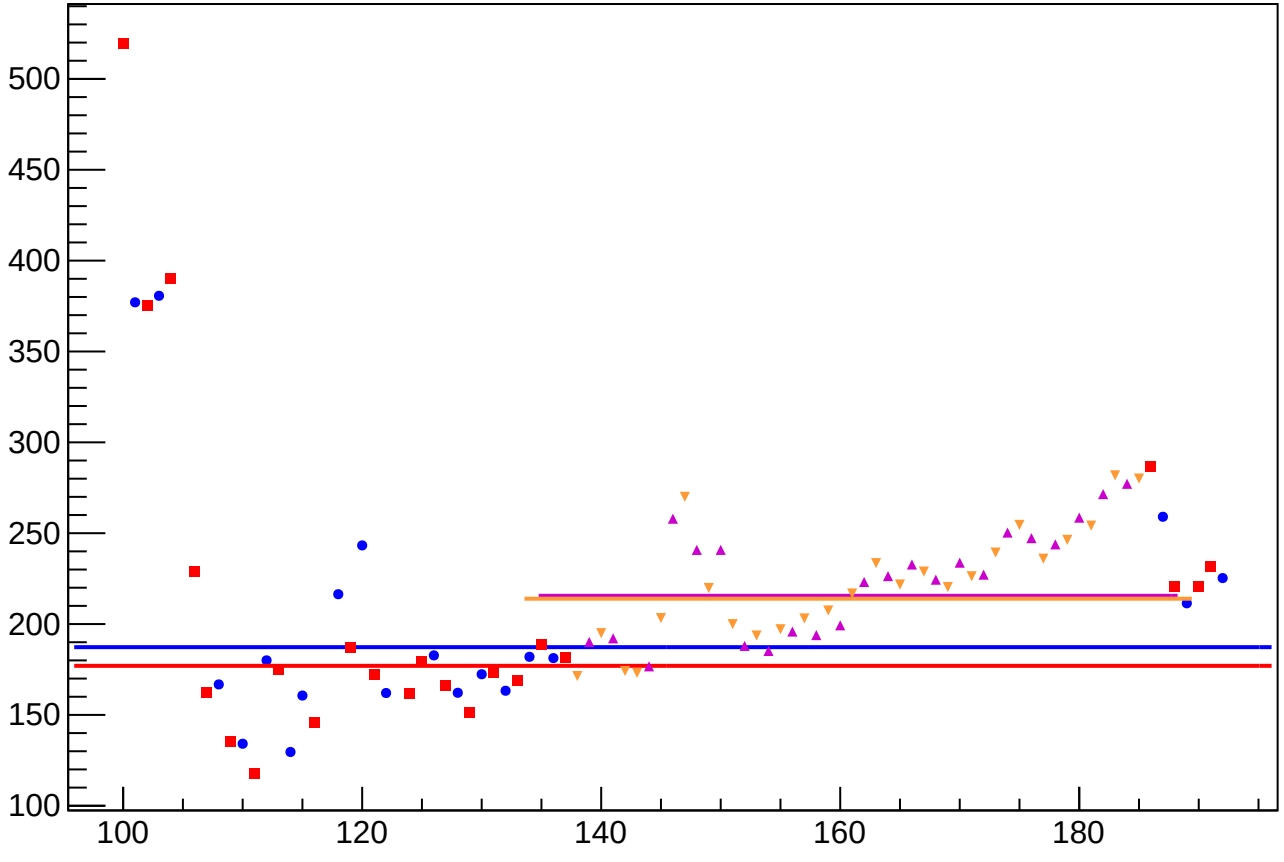
Right: 150013.536+/-0.045 χ^2/NDF: 22400245286.

In: 146756.349+/-0.041 χ^2/NDF:26528014002.3/4

Out: 147180.902+/-0.039 χ^2/NDF:29876502338.3

All: 146979.650+/-0.028 χ^2/NDF: 56461838

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: 177.010+/-0.044 χ^2/NDF: 1371407.1/22

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

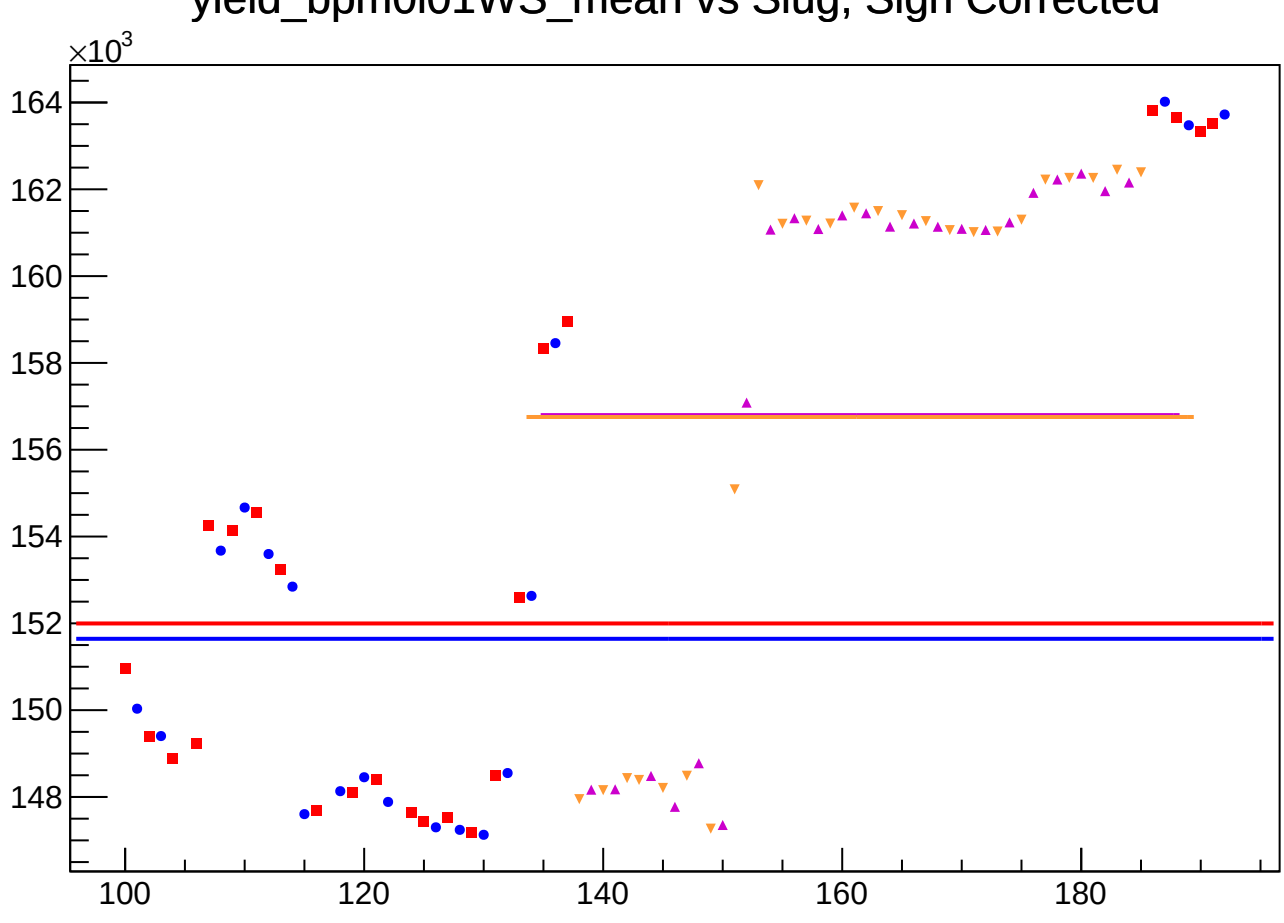
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 181.748+/-0.032 χ^2/NDF: 2416496.1/41

In: 205.107+/-0.029 χ^2/NDF:1845065.1/41

Out: 199.585+/-0.027 χ^2/NDF:2457169.4/47

All: 202.203+/-0.020 χ^2/NDF: 4321633.0/89



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: 151997.477+/-0.058 χ^2/NDF: 6706740904.2/22

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

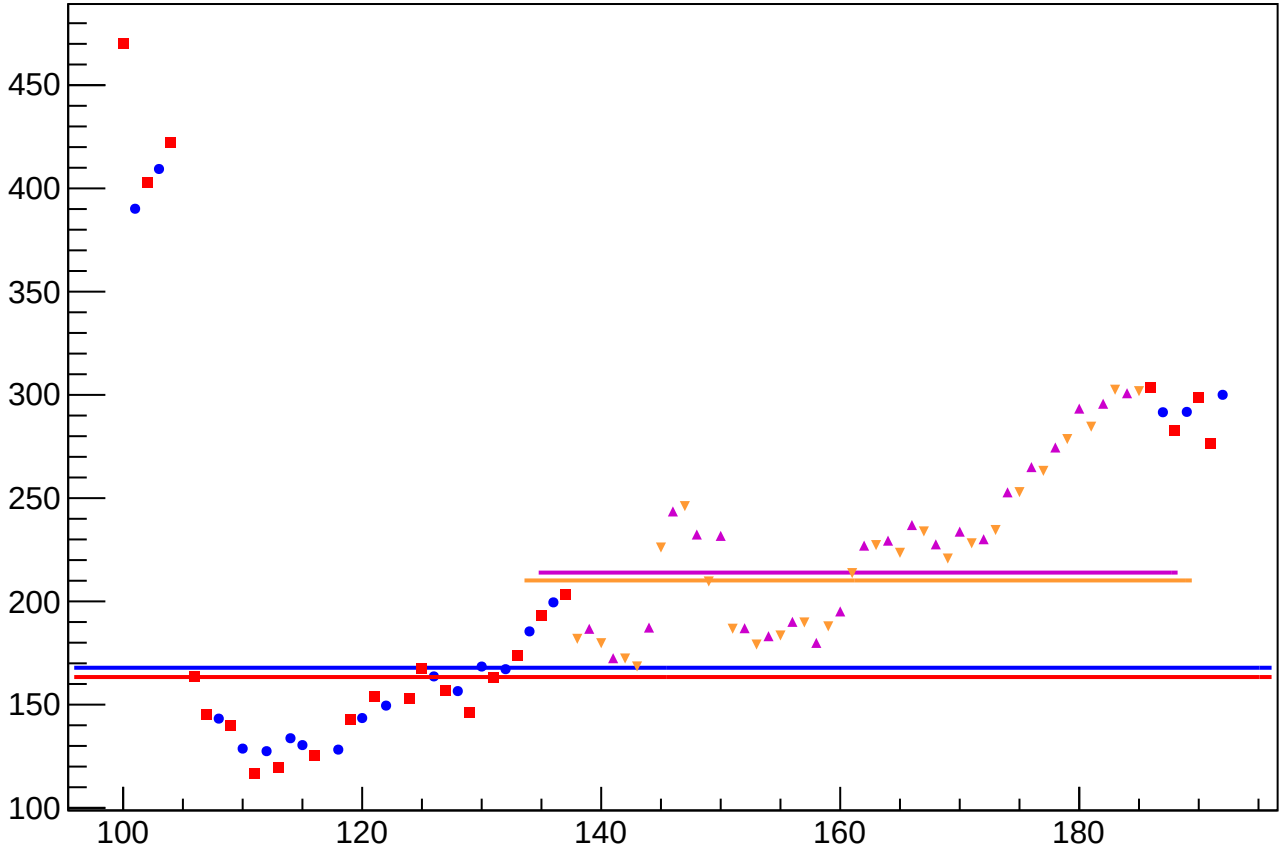
Right: 151829.529+/-0.042 χ^2/NDF: 12988019078.

In: 154665.321+/-0.039 χ^2/NDF:24841753237.6/4

Out: 154777.260+/-0.037 χ^2/NDF:27062568429.5

All: 154723.975+/-0.027 χ^2/NDF: 51908635

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: 163.364+/-0.041 χ^2/NDF: 2059022.9/22

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

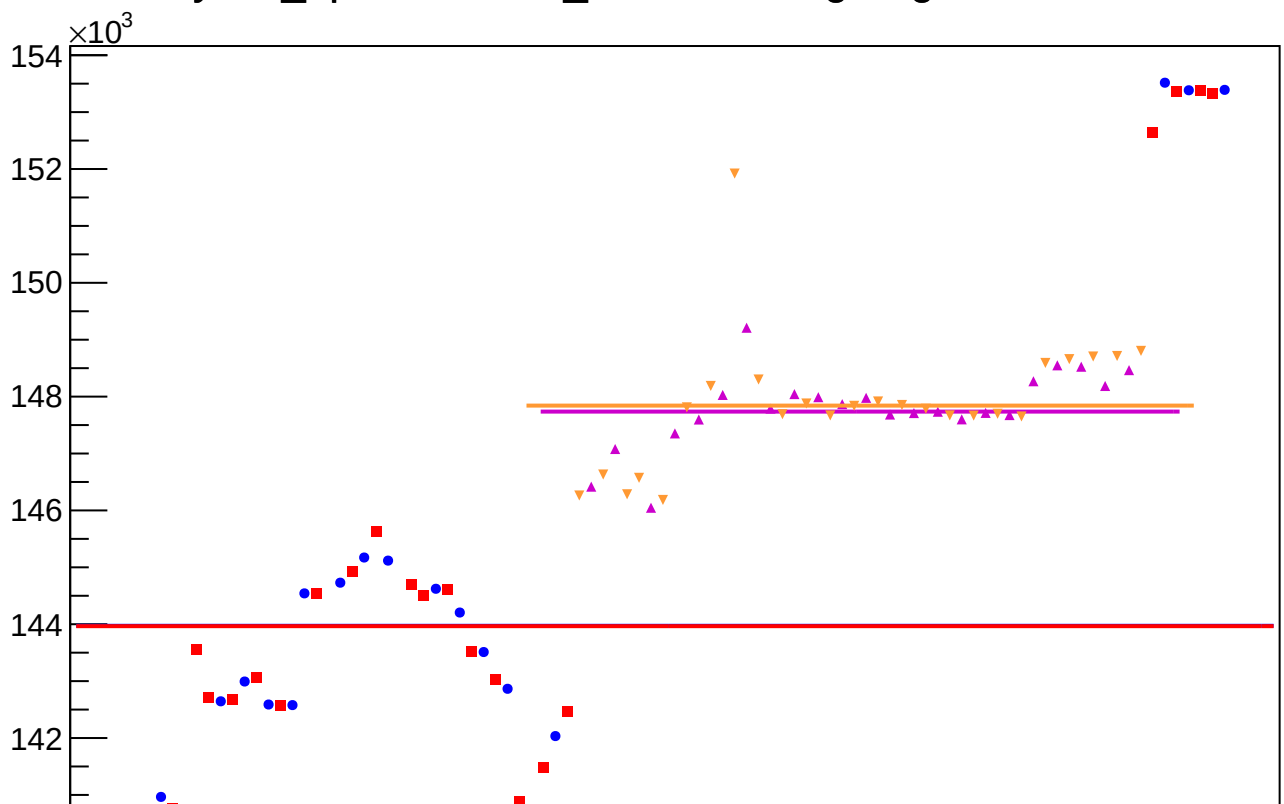
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 165.500+/-0.030 χ^2/NDF: 3940885.8/41

In: 194.877+/-0.028 χ^2/NDF:3467484.6/41

Out: 190.700+/-0.026 χ^2/NDF:3825675.4/47

All: 192.689+/-0.019 χ^2/NDF: 7305175.7/89



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: 143965.829+/-0.048 χ^2/NDF: 3351731442.8/22

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

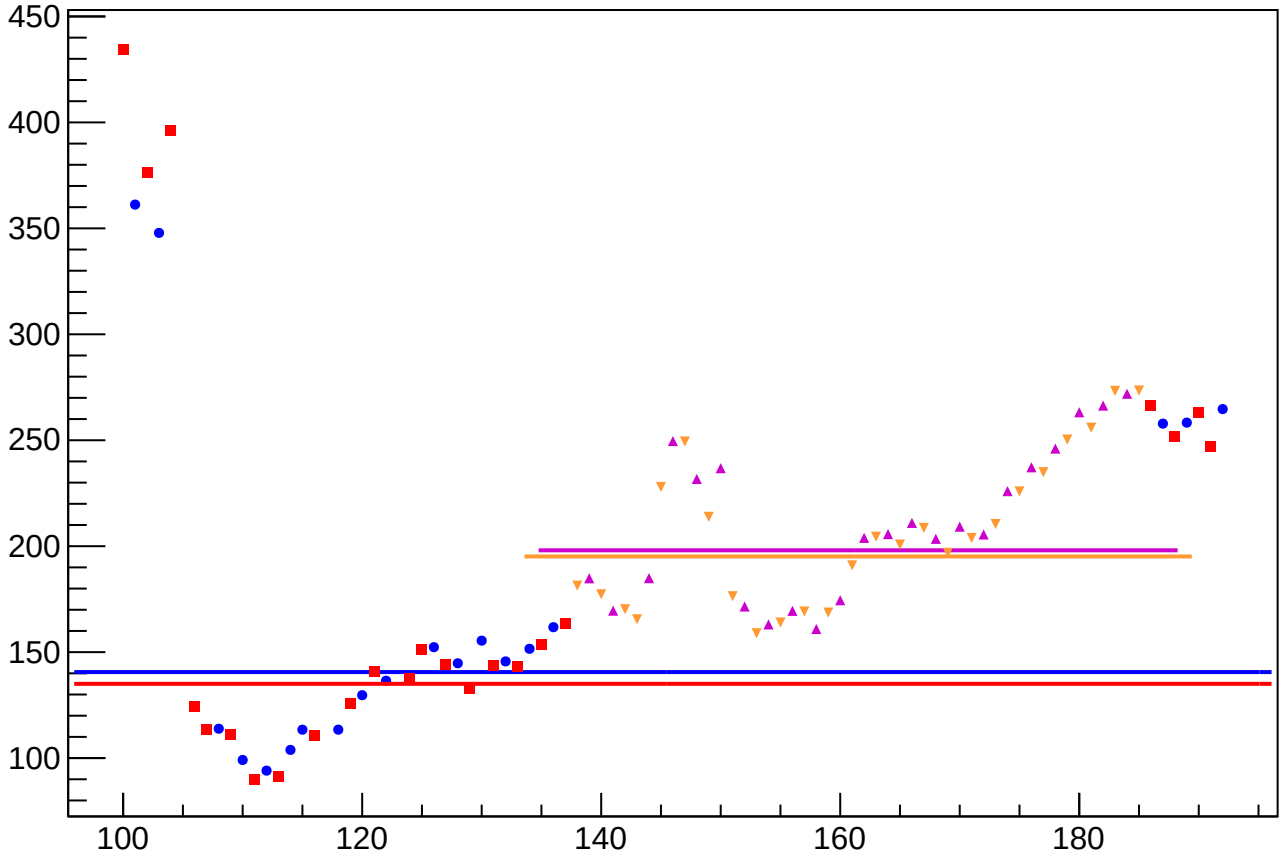
Right: 143968.805+/-0.035 χ^2/NDF: 6242670134.8/

In: 146014.341+/-0.035 χ^2/NDF:6030469405.5/41

Out: 146022.421+/-0.033 χ^2/NDF:7528059648.9/4

All: 146018.605+/-0.024 χ^2/NDF: 13558557

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: 135.042+/-0.034 χ^2/NDF: 2475708.1/22

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

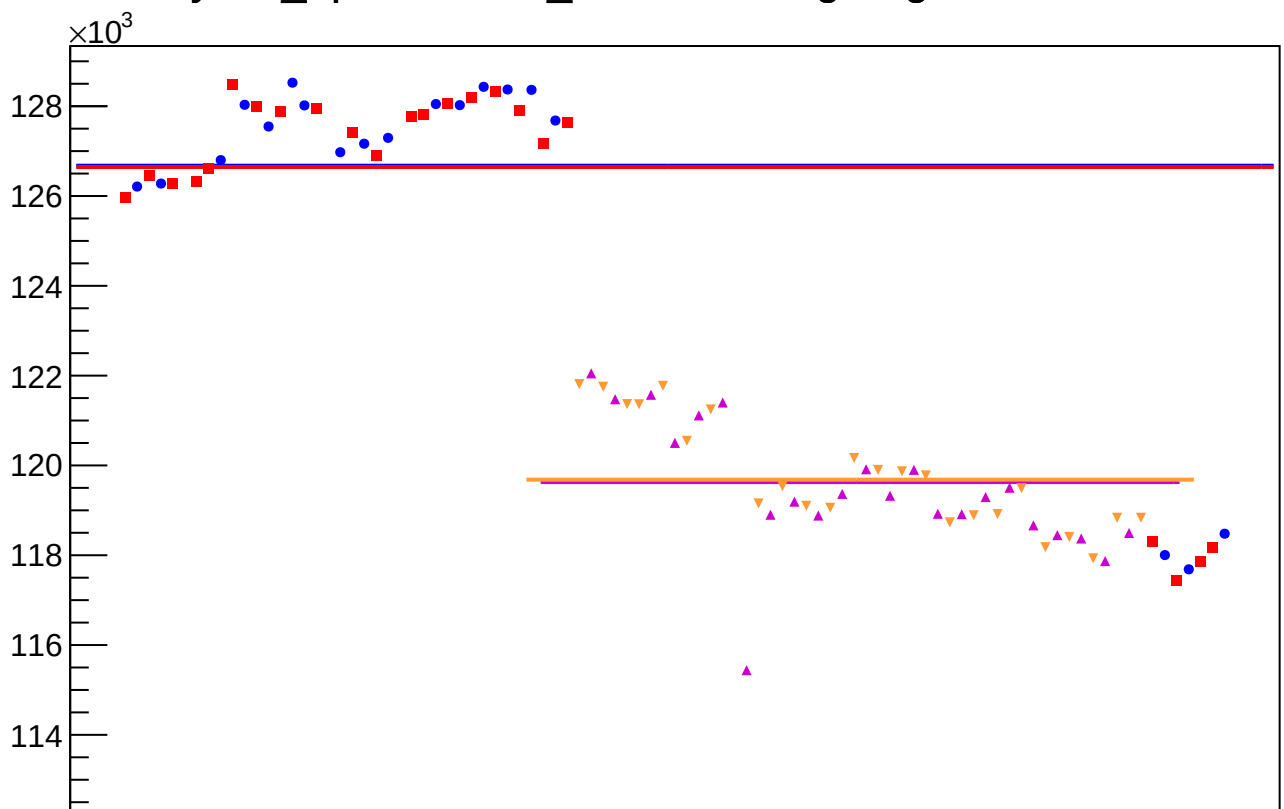
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 137.629+/-0.025 χ^2/NDF: 4638732.7/41

In: 171.766+/-0.025 χ^2/NDF:4408098.8/41

Out: 166.930+/-0.023 χ^2/NDF:5044923.9/47

All: 169.214+/-0.017 χ^2/NDF: 9473462.1/89



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: 126646.305+/-0.052 χ^2/NDF: 3720915613.2/22

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

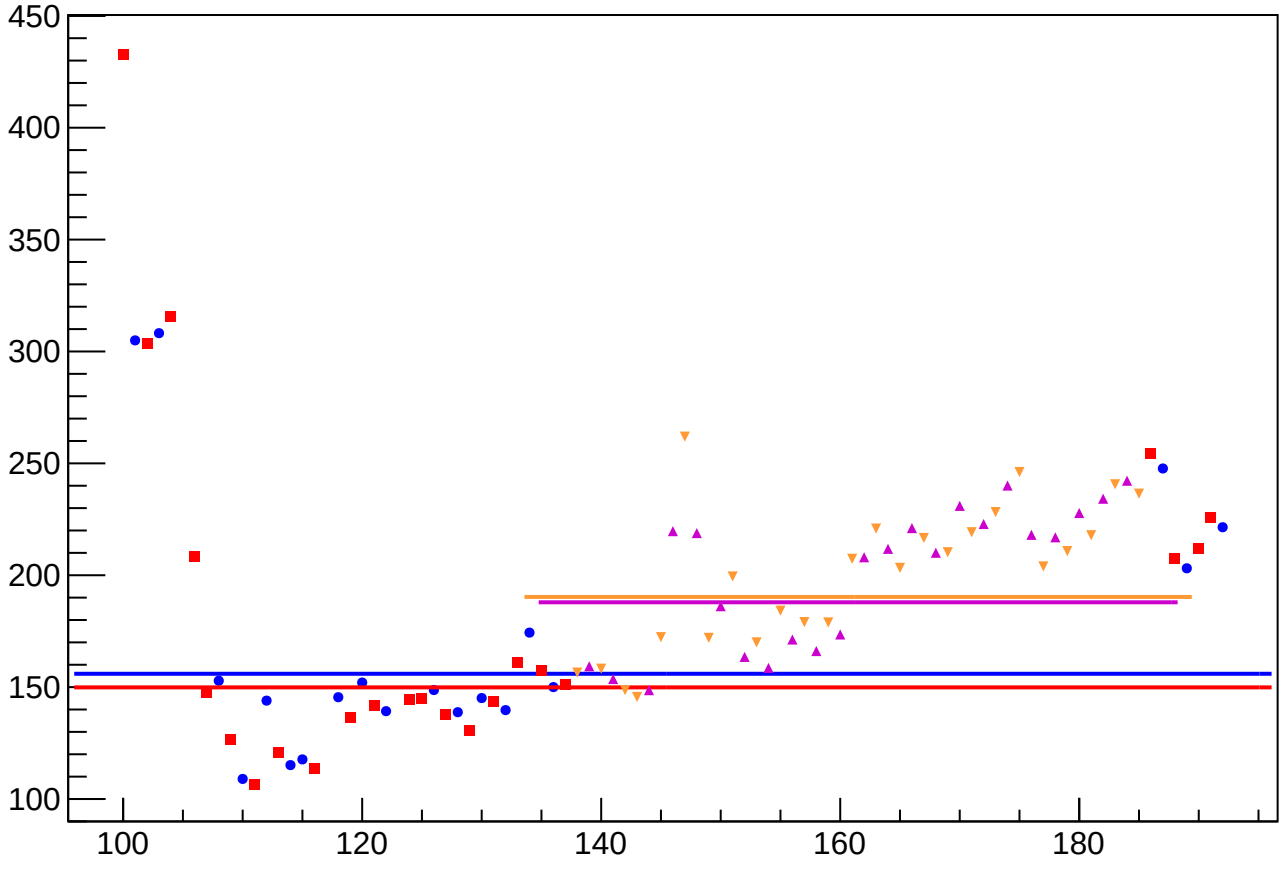
Right: 126659.734+/-0.038 χ^2/NDF: 6714367488.6/

In: 122442.883+/-0.035 χ^2/NDF:14104419096.7/4

Out: 122619.635+/-0.034 χ^2/NDF:16140849676.4

All: 122534.365+/-0.024 χ^2/NDF: 30258569

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: 149.889+/-0.037 χ^2/NDF: 1446087.2/22

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

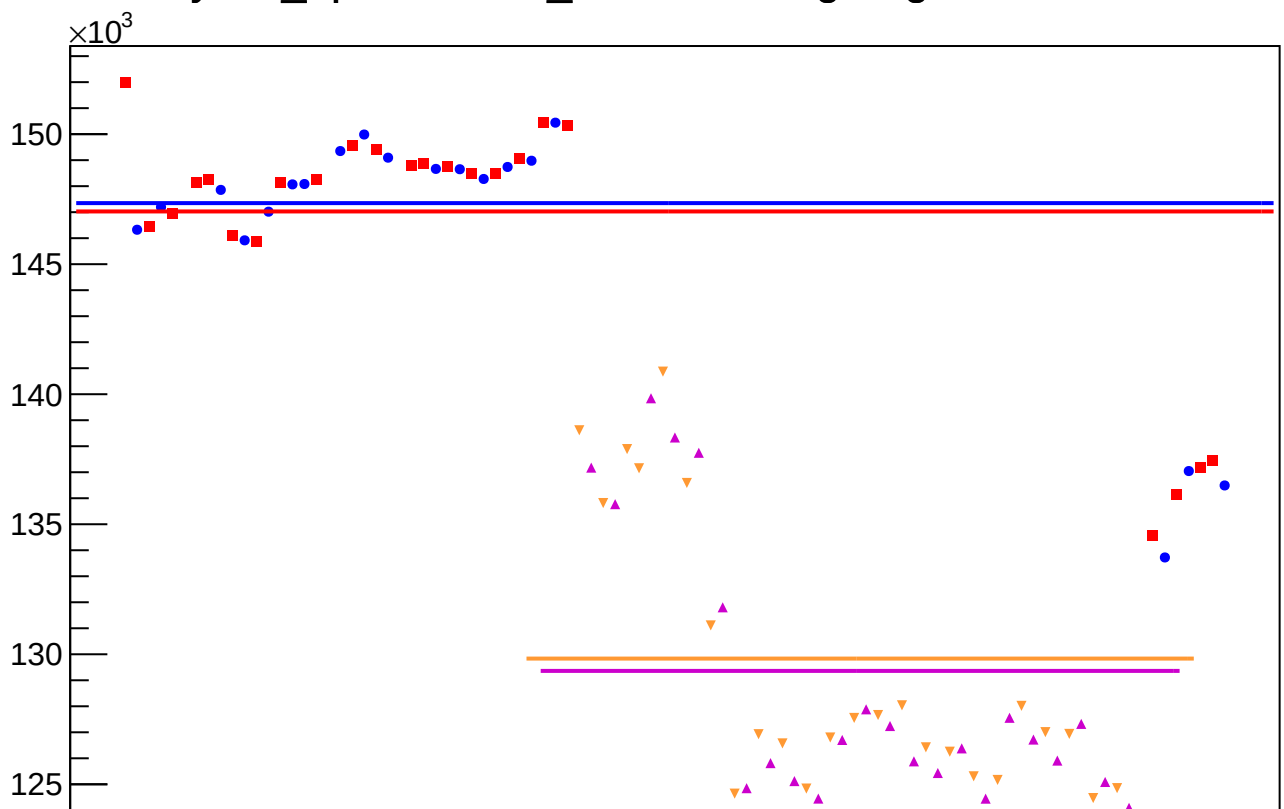
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 152.740+/-0.027 χ^2/NDF: 2593525.0/41

In: 175.155+/-0.025 χ^2/NDF:2463157.4/41

Out: 173.258+/-0.024 χ^2/NDF:3073460.1/47

All: 174.173+/-0.017 χ^2/NDF: 5539681.3/89



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: 147027.943+/-0.073 χ^2/NDF: 2905490718.1/22

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

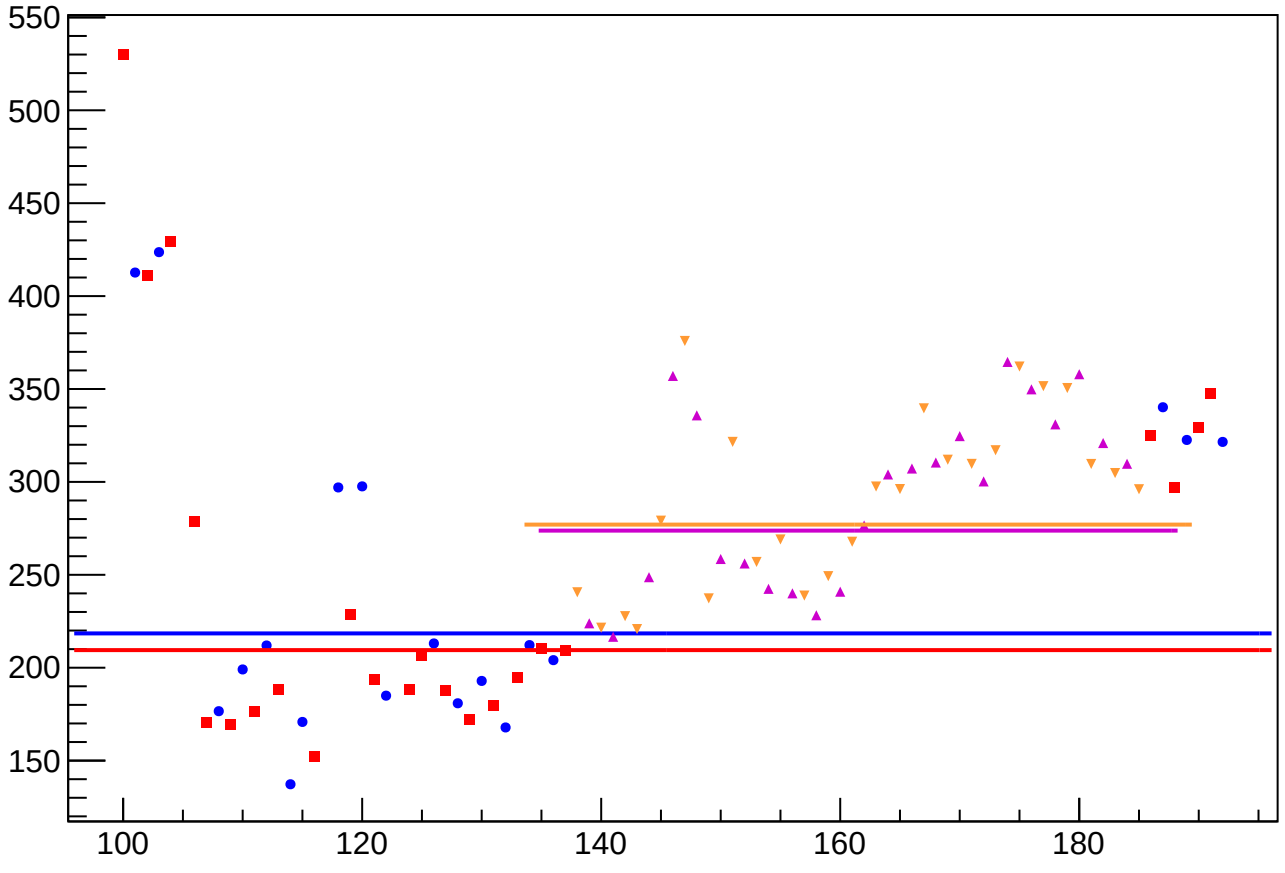
Right: 147176.847+/-0.053 χ^2/NDF: 5269763020.2/

In: 136795.596+/-0.050 χ^2/NDF:40295044843.4/4

Out: 137386.129+/-0.048 χ^2/NDF:41202348481.6

All: 137102.779+/-0.035 χ^2/NDF: 81569790

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: 209.474+/-0.051 χ^2/NDF: 1384682.3/22

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

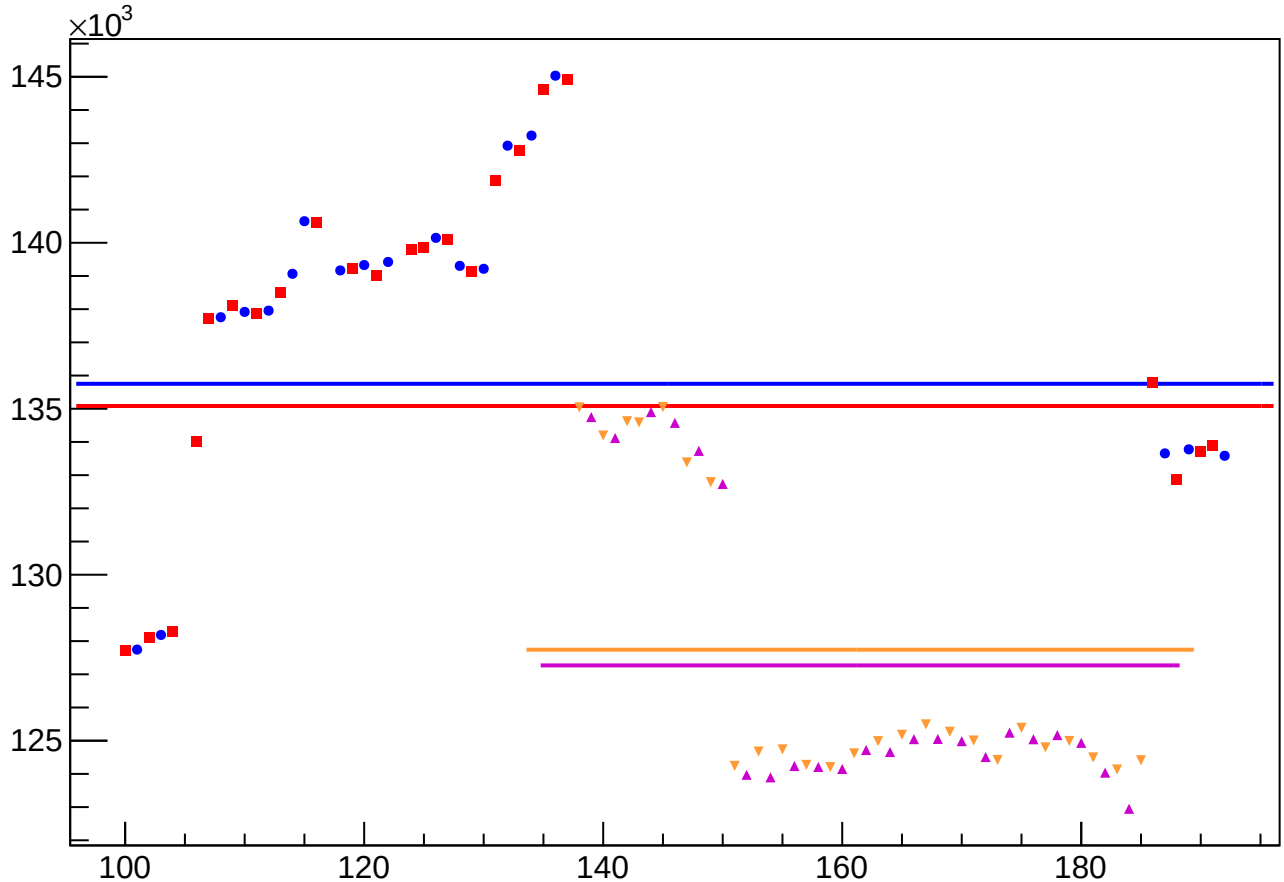
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 213.651+/-0.038 χ^2/NDF: 2765595.2/41

In: 250.918+/-0.035 χ^2/NDF:2962933.0/41

Out: 247.353+/-0.034 χ^2/NDF:3303750.8/47

All: 249.063+/-0.025 χ^2/NDF: 6271960.2/89



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: 135082.579+/-0.146 χ^2/NDF: 1236981388.7/22

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

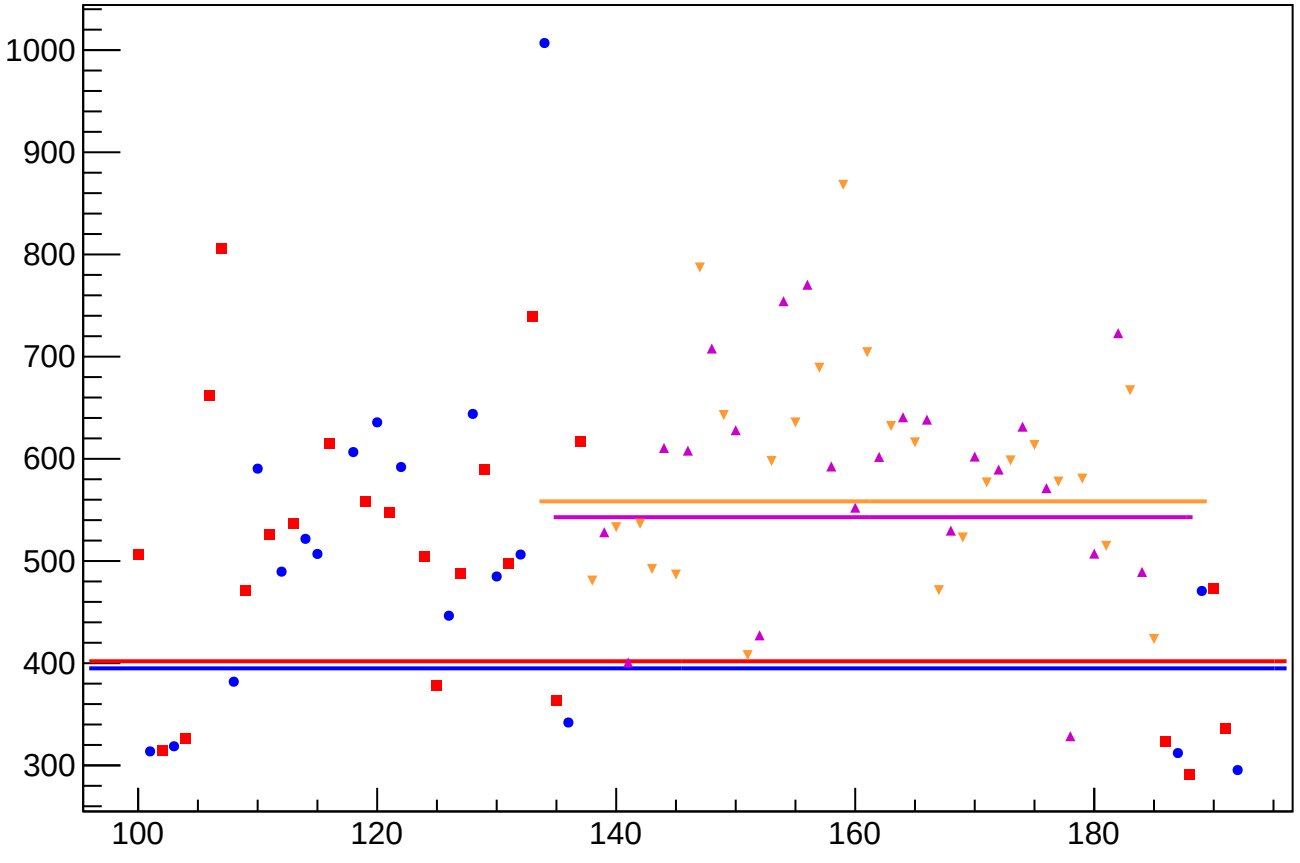
Right: 135414.150+/-0.104 χ^2/NDF: 2888595107.1/

In: 131249.981+/-0.101 χ^2/NDF:4370852607.1/41

Out: 131139.418+/-0.099 χ^2/NDF:3686808892.7/4

All: 131193.813+/-0.071 χ^2/NDF: 805827068

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: 401.883+/-0.103 χ^2/NDF: 1284122.1/22

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

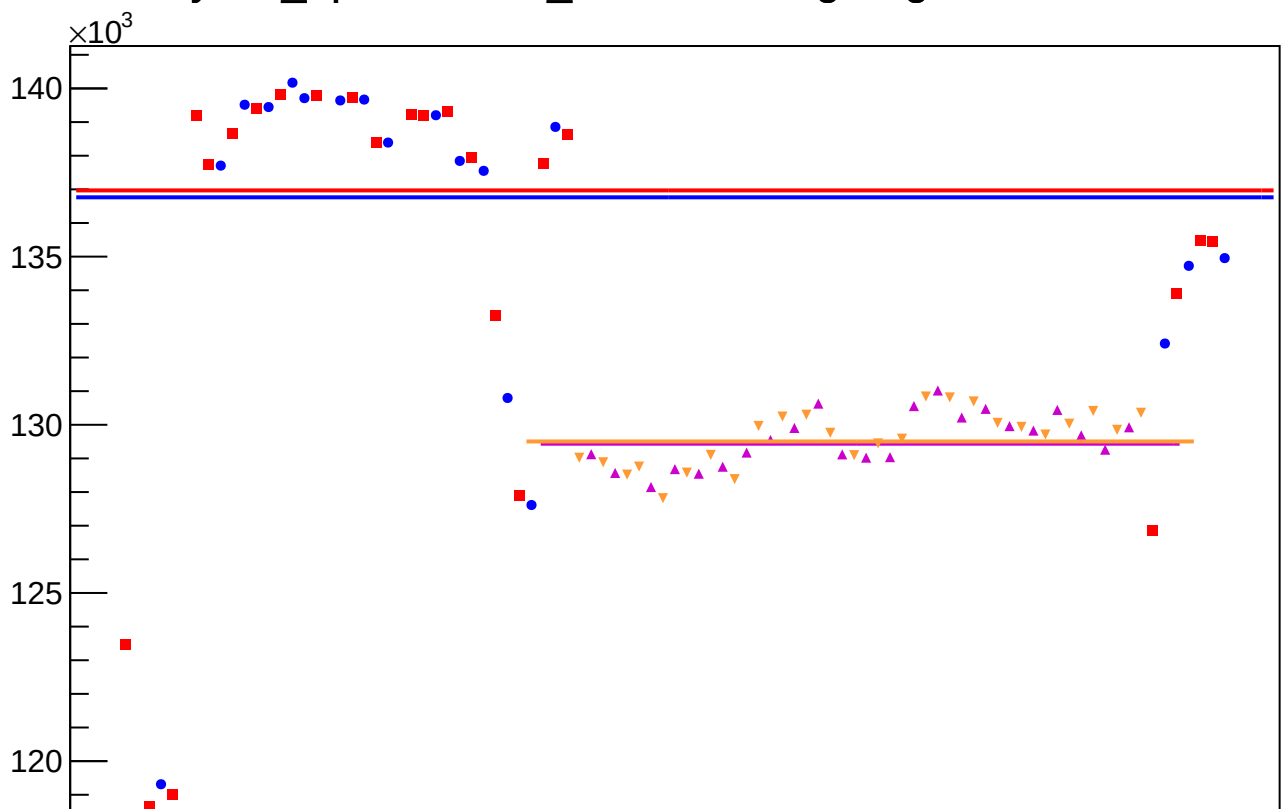
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 398.451+/-0.073 χ^2/NDF: 2538172.1/41

In: 473.451+/-0.071 χ^2/NDF:3737594.4/41

Out: 485.935+/-0.070 χ^2/NDF:3485855.4/47

All: 479.793+/-0.050 χ^2/NDF: 7238984.2/89



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: 136968.406+/-0.063 χ^2/NDF: 6285873039.4/22

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

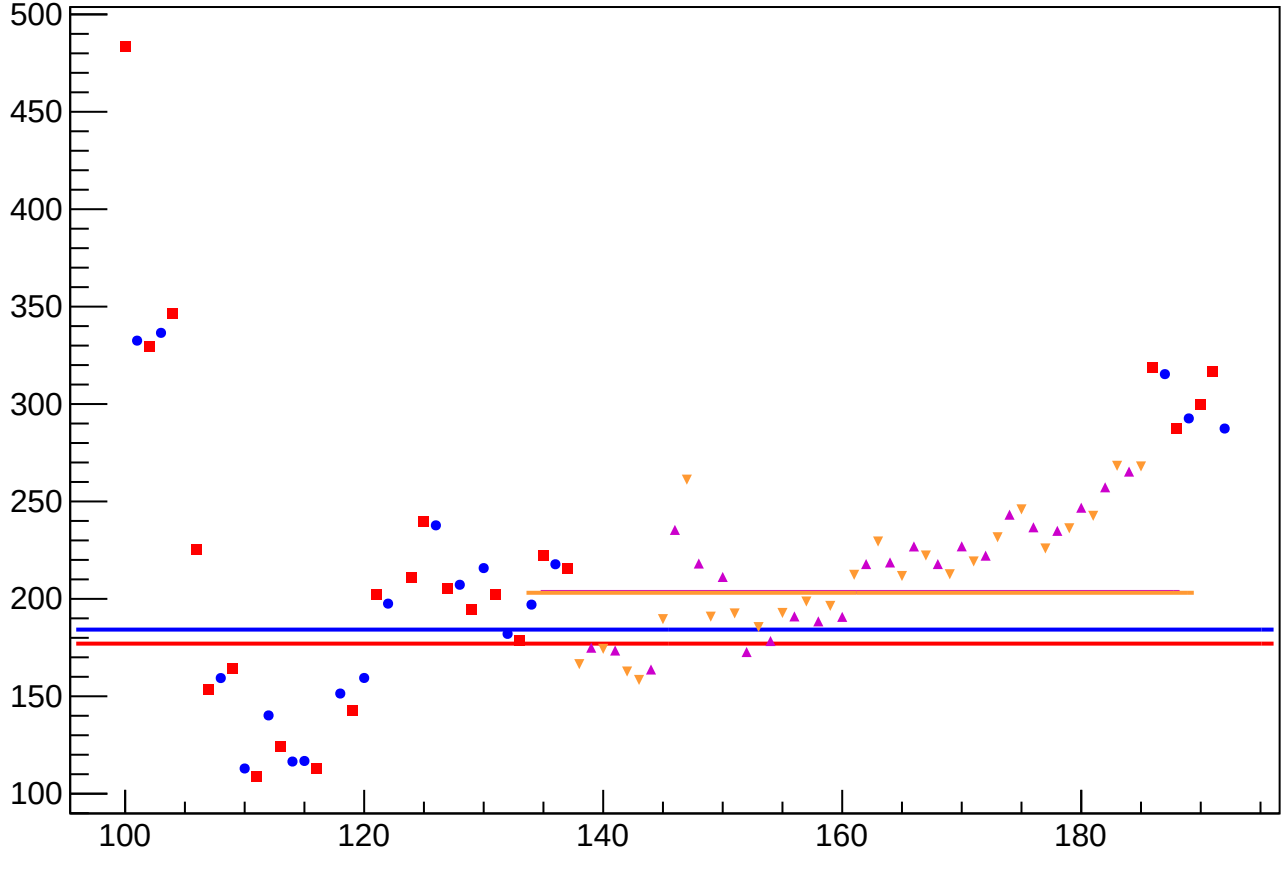
Right: 136871.824+/-0.046 χ^2/NDF: 12205196429.

In: 131970.321+/-0.039 χ^2/NDF:14093554078.6/4

Out: 132184.866+/-0.038 χ^2/NDF:15640943494.9

All: 132081.918+/-0.027 χ^2/NDF: 29750099

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: 177.025+/-0.044 χ^2/NDF: 2134604.7/22

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

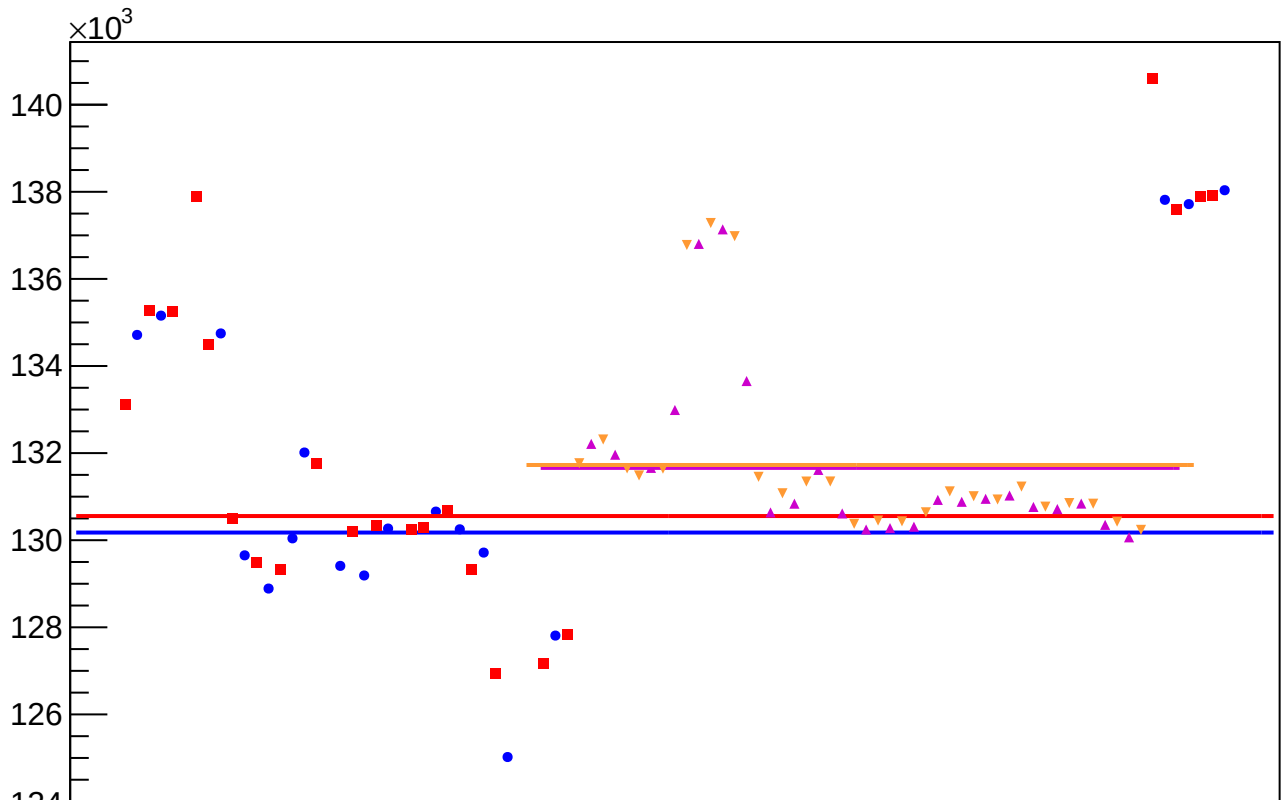
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 180.414+/-0.032 χ^2/NDF: 3834036.4/41

In: 196.868+/-0.028 χ^2/NDF:2463097.3/41

Out: 193.756+/-0.027 χ^2/NDF:3114602.0/47

All: 195.249+/-0.019 χ^2/NDF: 5584264.1/89



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: 130554.798+/-0.058 χ^2/NDF: 3708603941.5/22

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

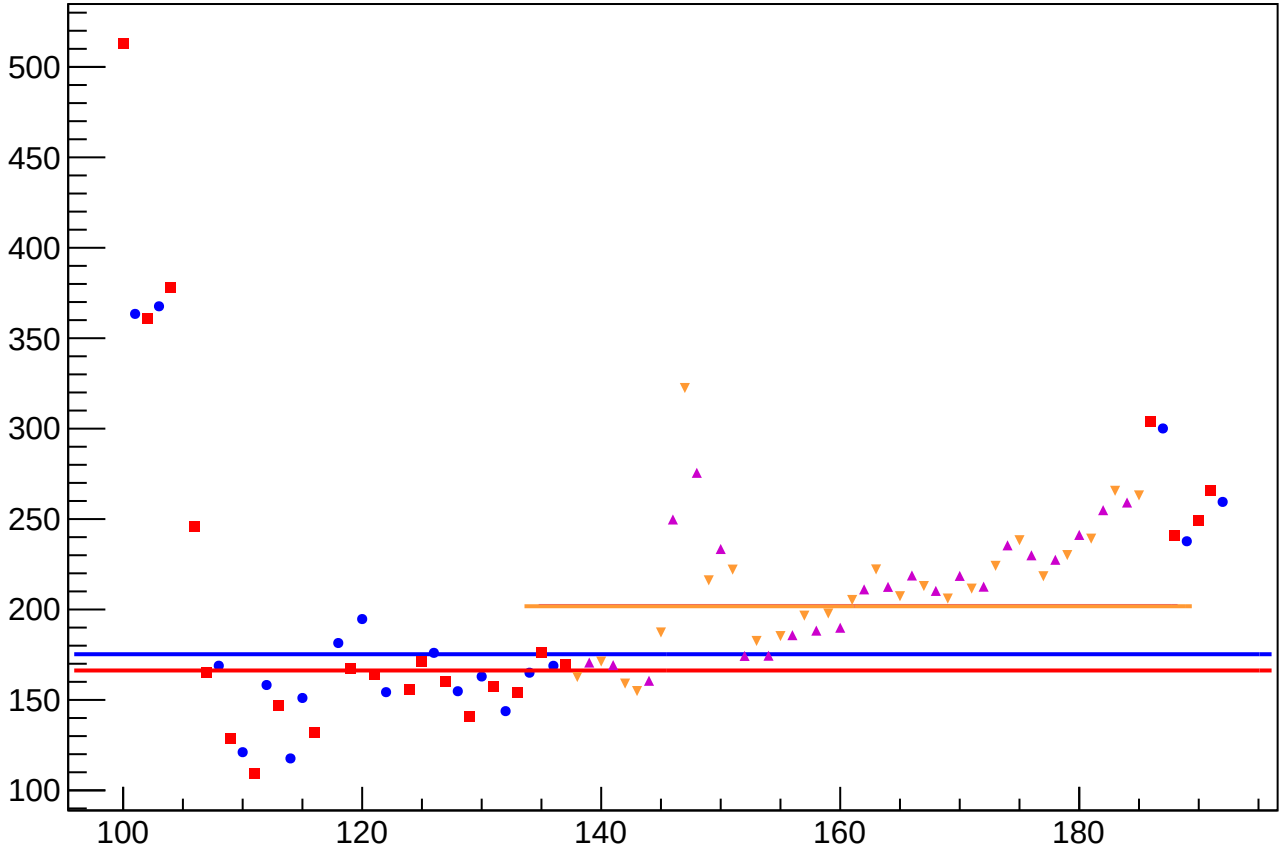
Right: 130379.072+/-0.043 χ^2/NDF: 7089833234.5/

In: 131109.960+/-0.038 χ^2/NDF:4878211182.7/41

Out: 131267.656+/-0.037 χ^2/NDF:5379076051.2/4

All: 131192.360+/-0.026 χ^2/NDF: 10266185

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: 166.280+/-0.041 χ^2/NDF: 1719106.8/22

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

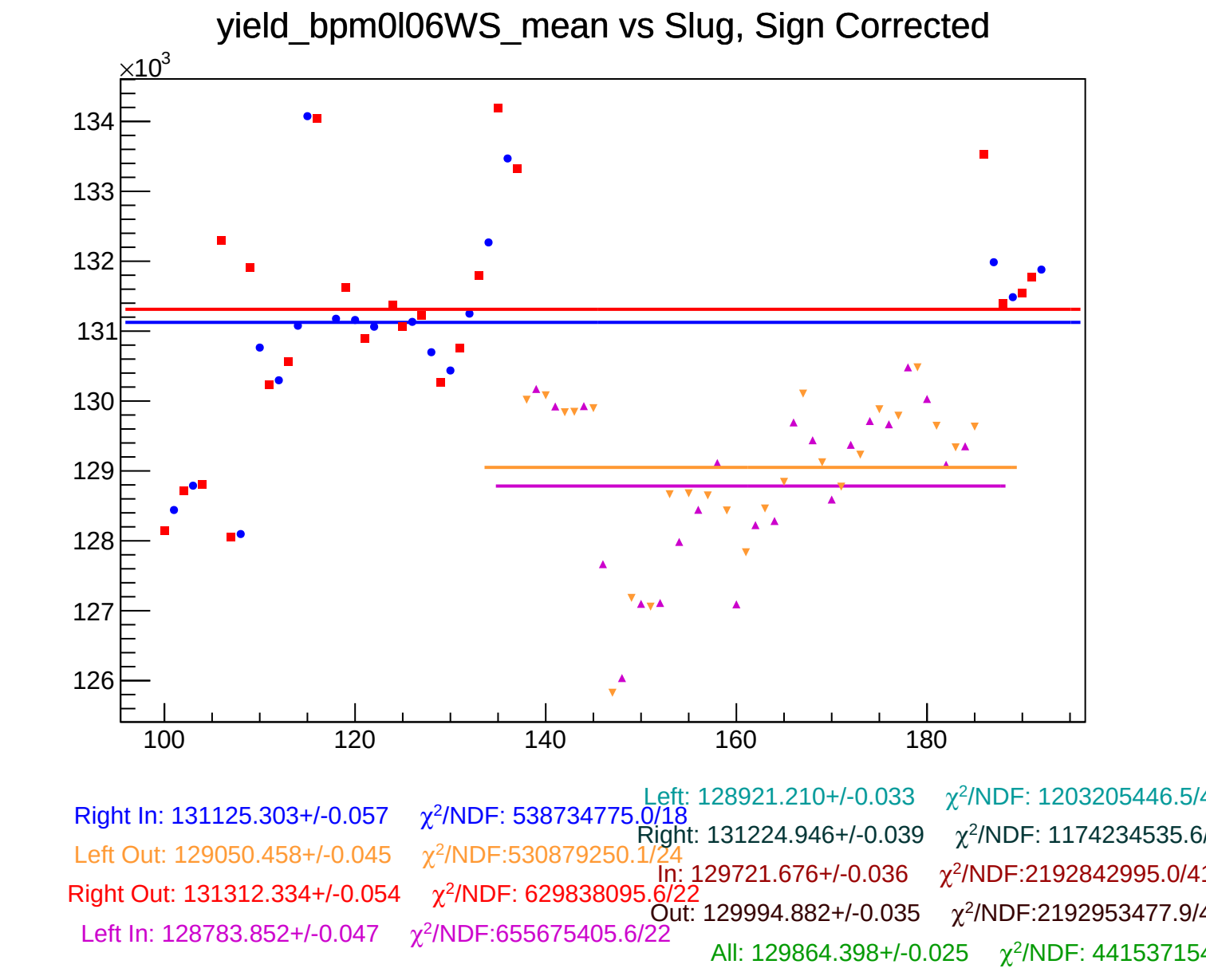
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 170.449+/-0.030 χ^2/NDF: 3055343.1/41

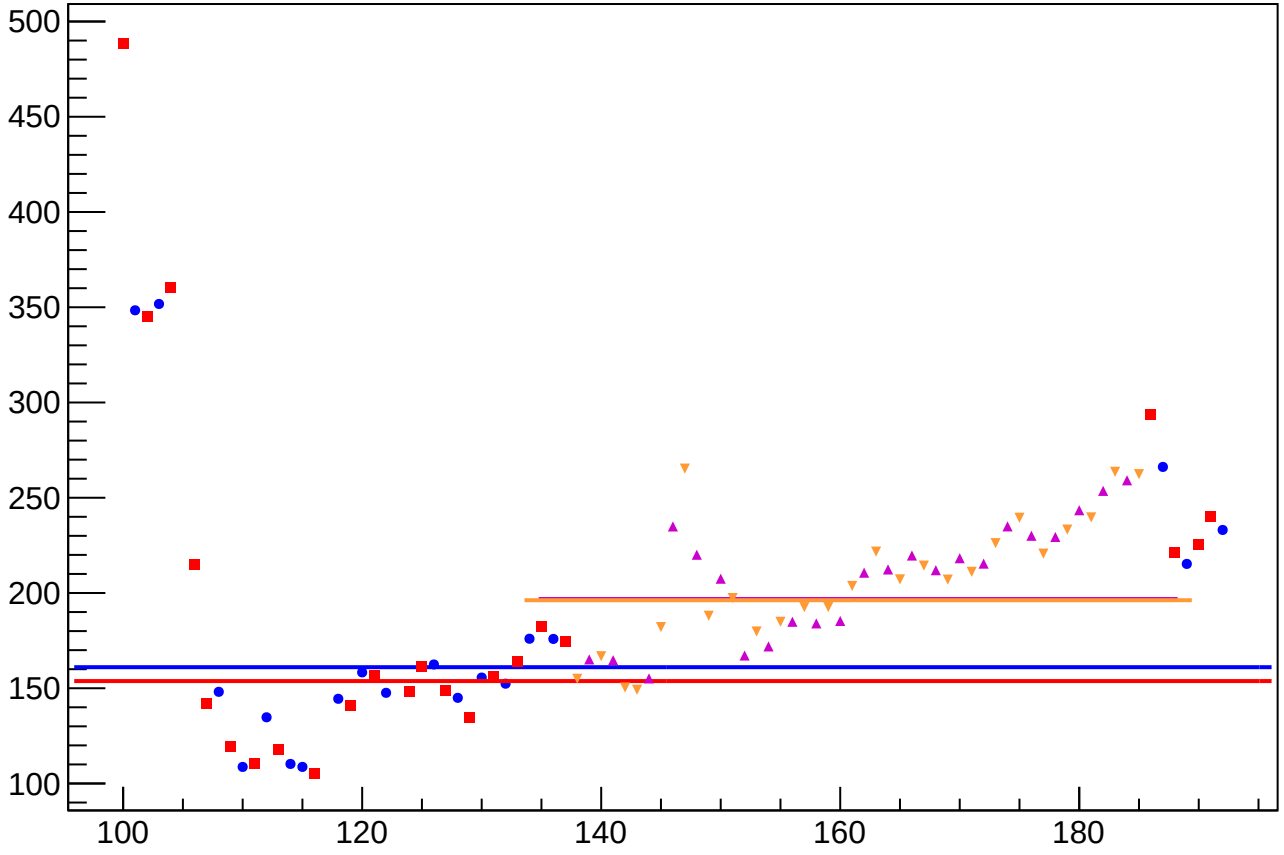
In: 192.055+/-0.027 χ^2/NDF:2344319.2/41

Out: 187.878+/-0.026 χ^2/NDF:3075046.3/47

All: 189.872+/-0.019 χ^2/NDF: 5431849.2/89


yield_bpm0l06WS_mean vs Slug, Sign Corrected
×10^3
134
133
132
131
130
129
128
127
126
100
120
140
160
180
Right In: 131125.303+/-0.057 χ²/NDF: 538734775.0/18
Left Out: 129050.458+/-0.045 χ²/NDF:530879250.1/24
Right Out: 131312.334+/-0.054 χ²/NDF: 629838095.6/22
Left In: 128783.852+/-0.047 χ²/NDF:655675405.6/22
Left: 128921.210+/-0.033 χ²/NDF: 1203205446.5/4
Right: 131224.946+/-0.039 χ²/NDF: 1174234535.6/
In: 129721.676+/-0.036 χ²/NDF:2192842995.0/41
Out: 129994.882+/-0.035 χ²/NDF:2192953477.9/4
All: 129864.398+/-0.025 χ²/NDF: 44153715

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: 153.770+/-0.038 χ^2/NDF: 1809444.2/22

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

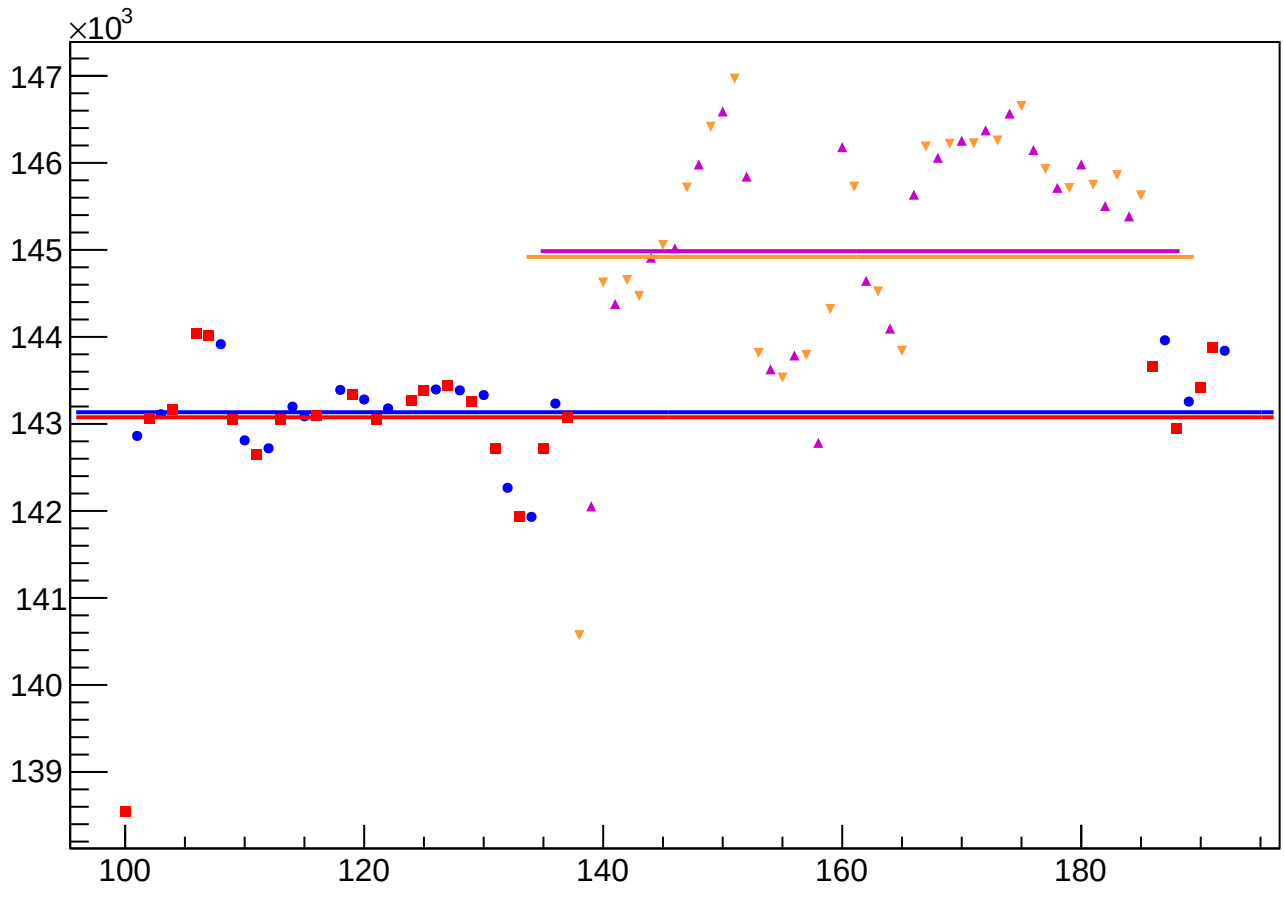
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 157.173+/-0.028 χ^2/NDF: 3231046.1/41

In: 182.506+/-0.026 χ^2/NDF:2643973.8/41

Out: 178.485+/-0.025 χ^2/NDF:3458848.1/47

All: 180.406+/-0.018 χ^2/NDF: 6115632.2/89



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: 143076.331+/-0.058 χ^2/NDF: 55727077.6/22

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

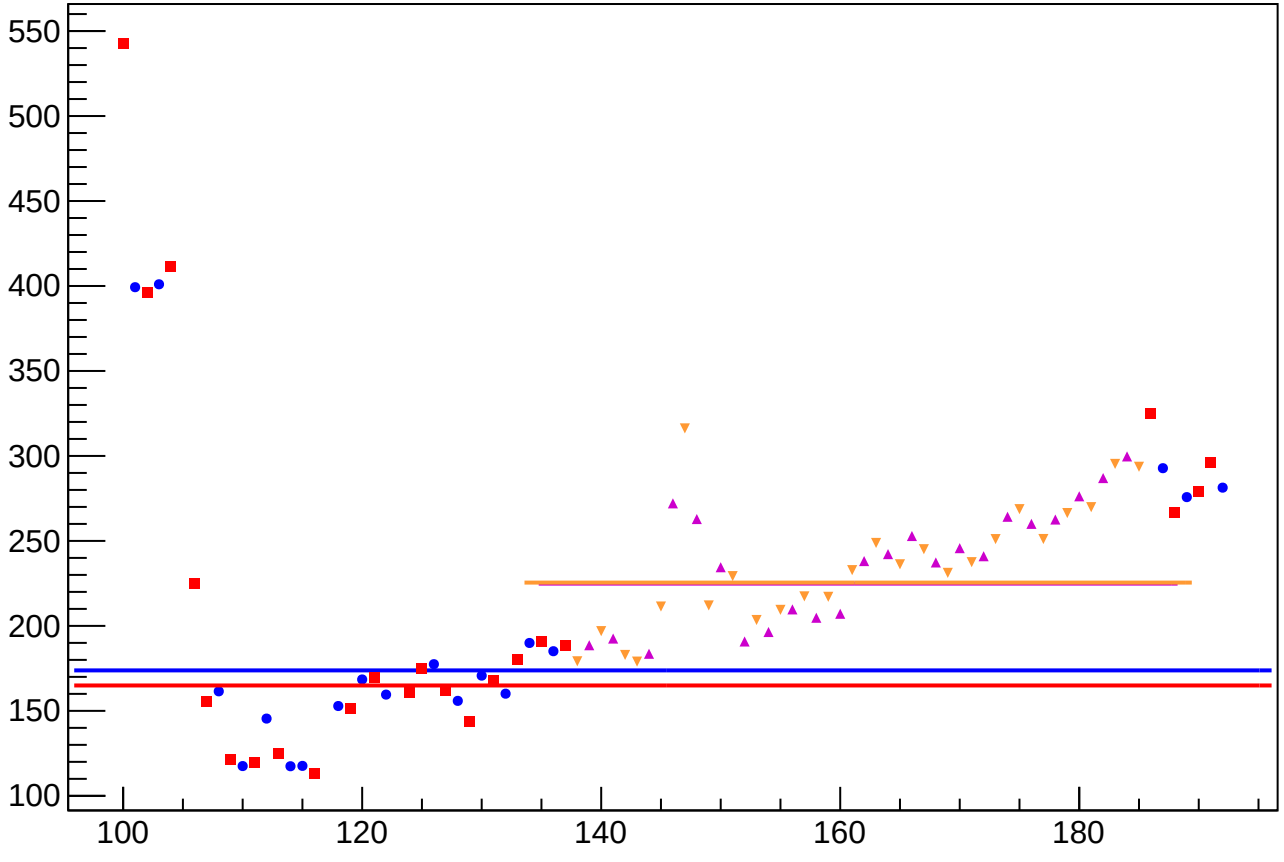
Right: 143103.243+/-0.043 χ^2/NDF: 111125403.0/4

In: 144198.946+/-0.041 χ^2/NDF:1181127711.4/41

Out: 144096.119+/-0.039 χ^2/NDF:1447495933.0/4

All: 144145.233+/-0.028 χ^2/NDF: 26319696

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: 164.943+/-0.041 χ^2/NDF: 2106818.4/22

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

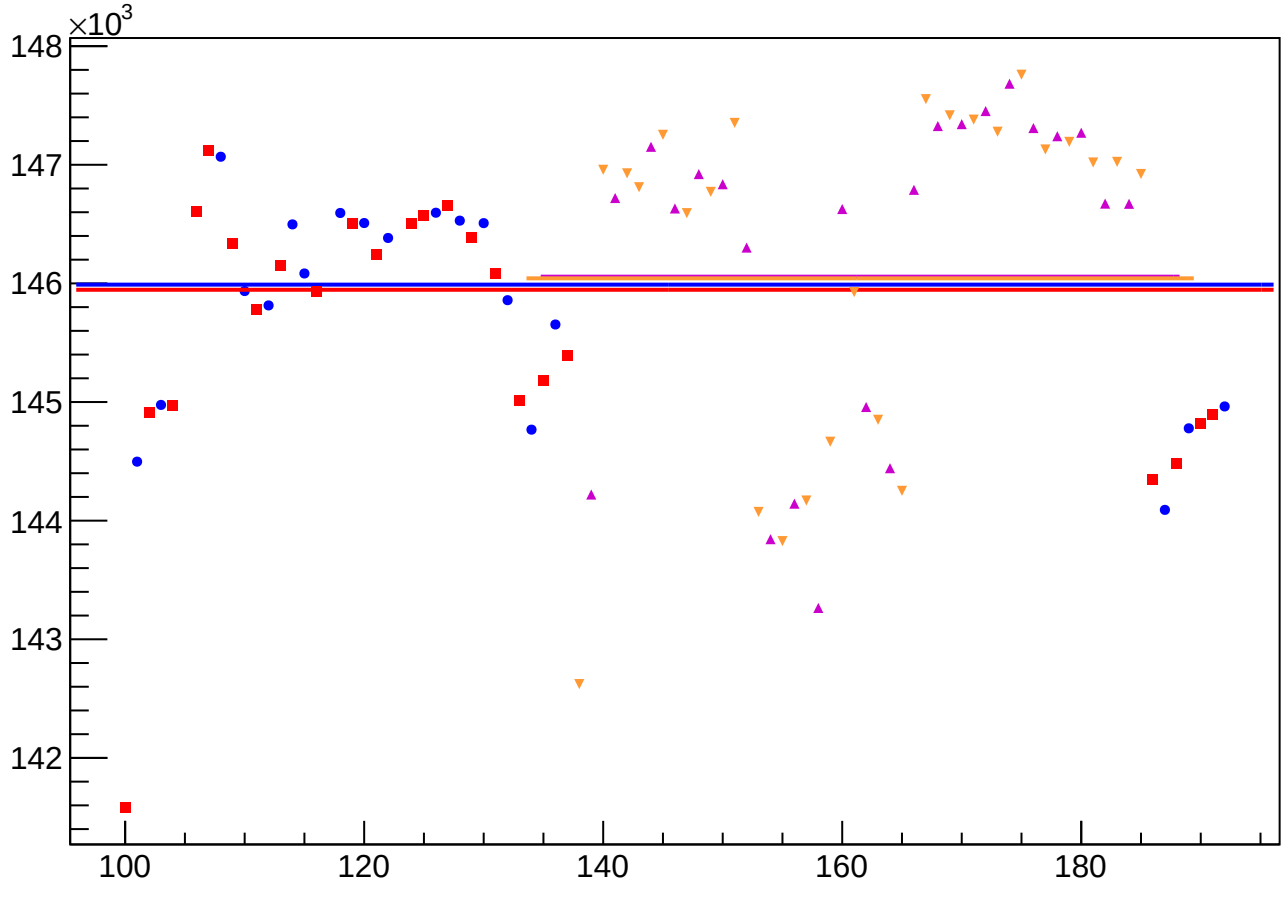
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 169.070+/-0.030 χ^2/NDF: 3790114.7/41

In: 203.177+/-0.029 χ^2/NDF:3157078.5/41

Out: 198.436+/-0.027 χ^2/NDF:4082320.4/47

All: 200.701+/-0.020 χ^2/NDF: 7253622.3/89



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: 145946.322+/-0.059 χ^2/NDF: 140352865.9/22

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

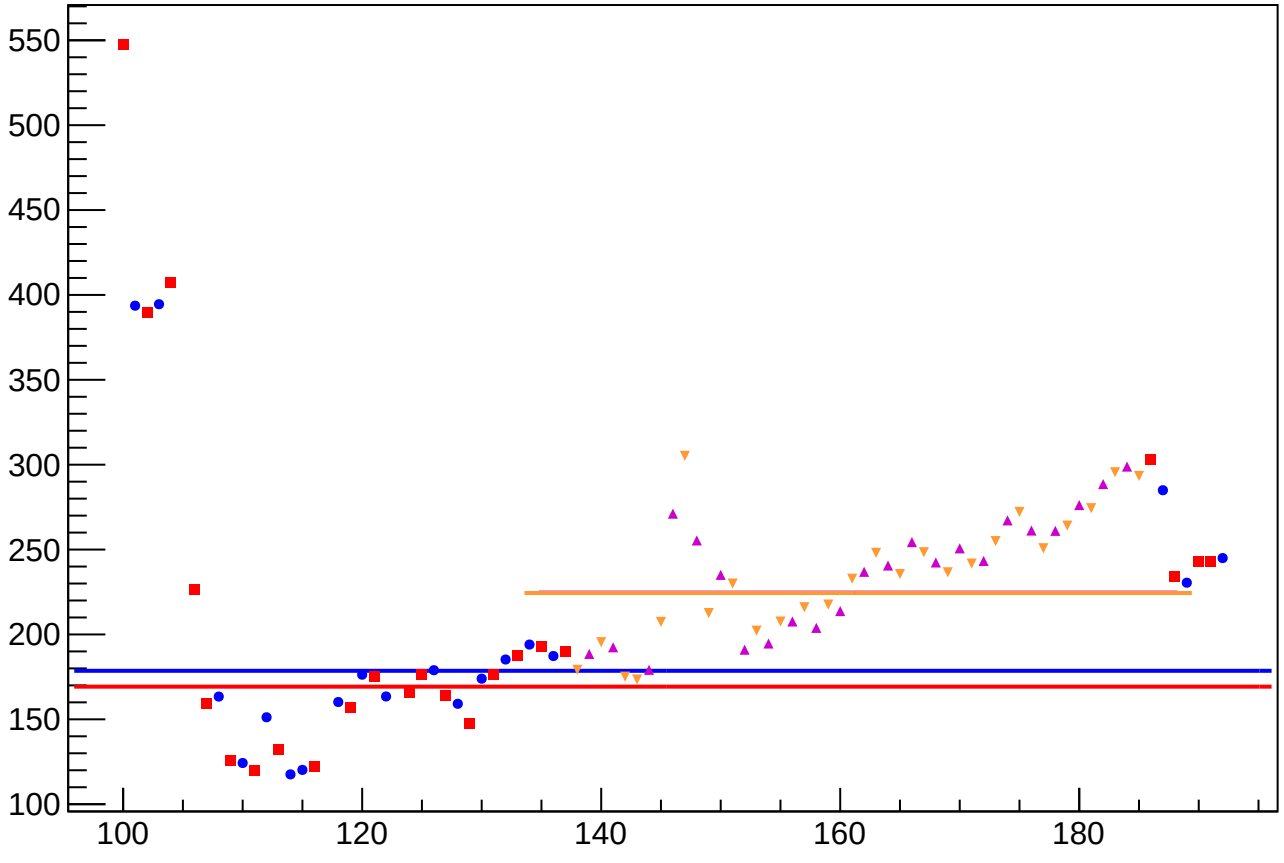
Right: 145966.403+/-0.043 χ^2/NDF: 257062018.2/4

In: 146028.783+/-0.041 χ^2/NDF:815854048.6/41

Out: 146000.485+/-0.039 χ^2/NDF:1024558693.5/4

All: 146013.954+/-0.028 χ^2/NDF: 18406632

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: 169.250+/-0.042 χ^2/NDF: 1749999.2/22

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

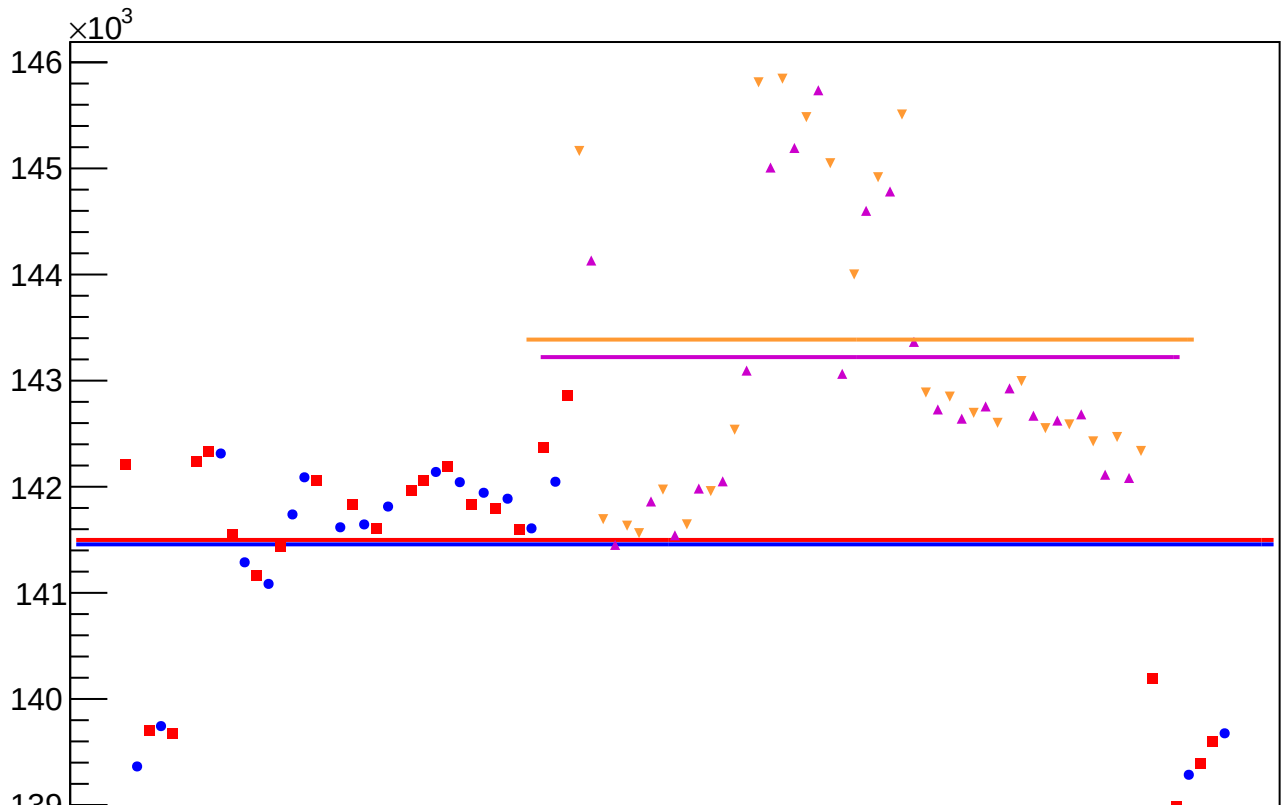
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 173.578+/-0.031 χ^2/NDF: 3108516.0/41

In: 205.479+/-0.029 χ^2/NDF:2708107.3/41

Out: 200.270+/-0.028 χ^2/NDF:3583573.1/47

All: 202.749+/-0.020 χ^2/NDF: 6308663.1/89



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: 141498.659+/-0.061 χ^2/NDF: 187422657.7/22

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

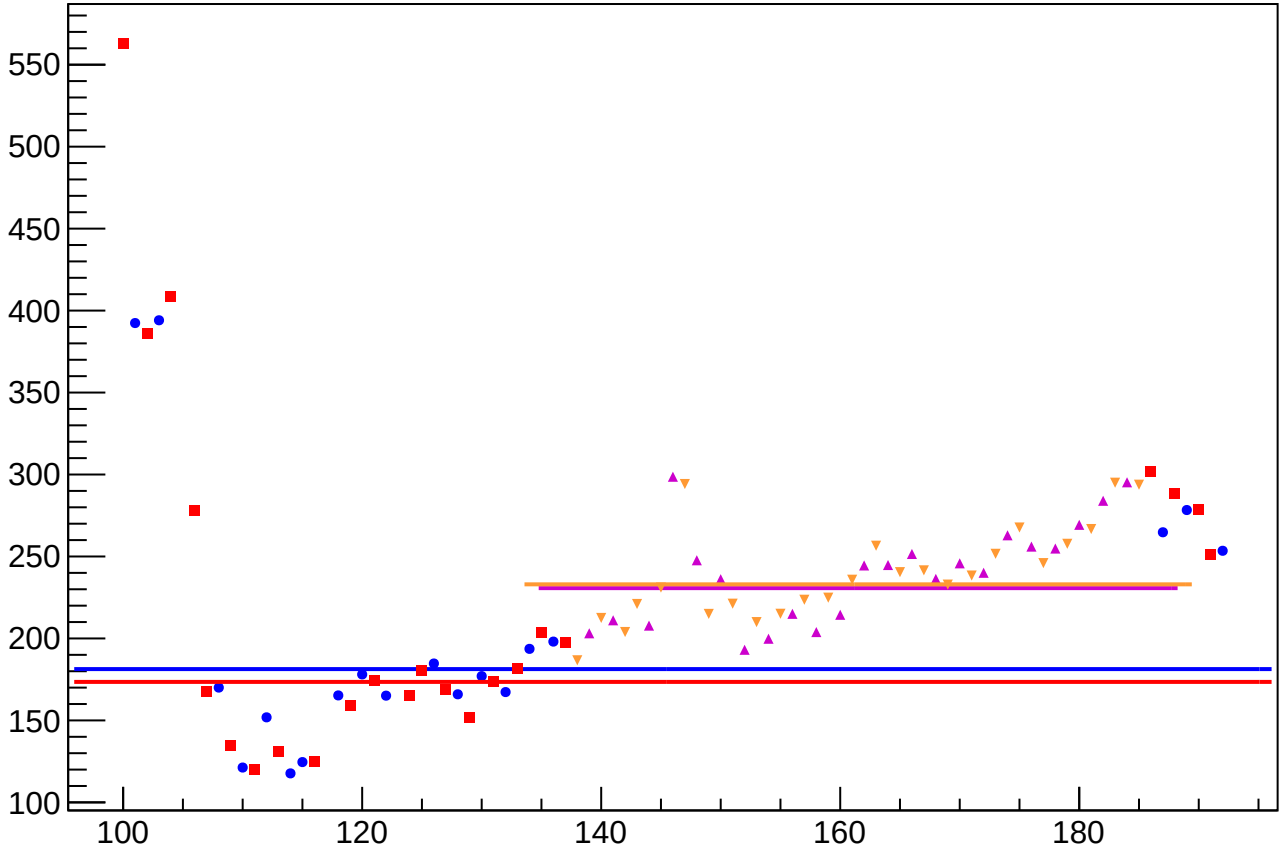
Right: 141479.124+/-0.044 χ^2/NDF: 359293036.4/4

In: 142483.876+/-0.042 χ^2/NDF:1145053230.4/41

Out: 142561.211+/-0.040 χ^2/NDF:1512421684.4/4

All: 142524.006+/-0.029 χ^2/NDF: 26592913

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: 173.493+/-0.043 χ^2/NDF: 1946214.8/22

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

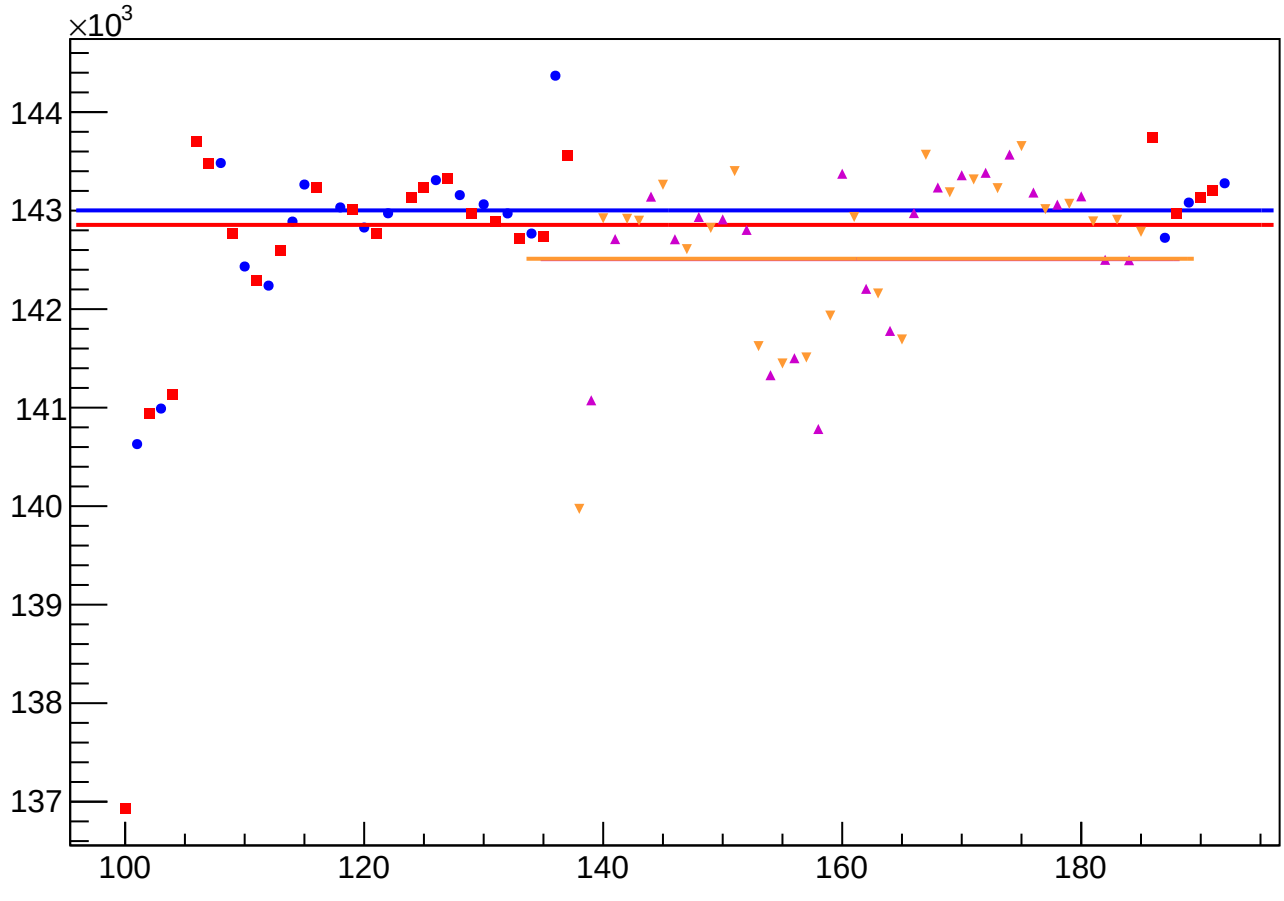
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 177.166+/-0.031 χ^2/NDF: 3388252.5/41

In: 210.043+/-0.030 χ^2/NDF:2617005.3/41

Out: 206.983+/-0.028 χ^2/NDF:3467150.3/47

All: 208.455+/-0.021 χ^2/NDF: 6089711.5/89



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: 142855.118+/-0.061 χ^2/NDF: 68046308.5/22

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

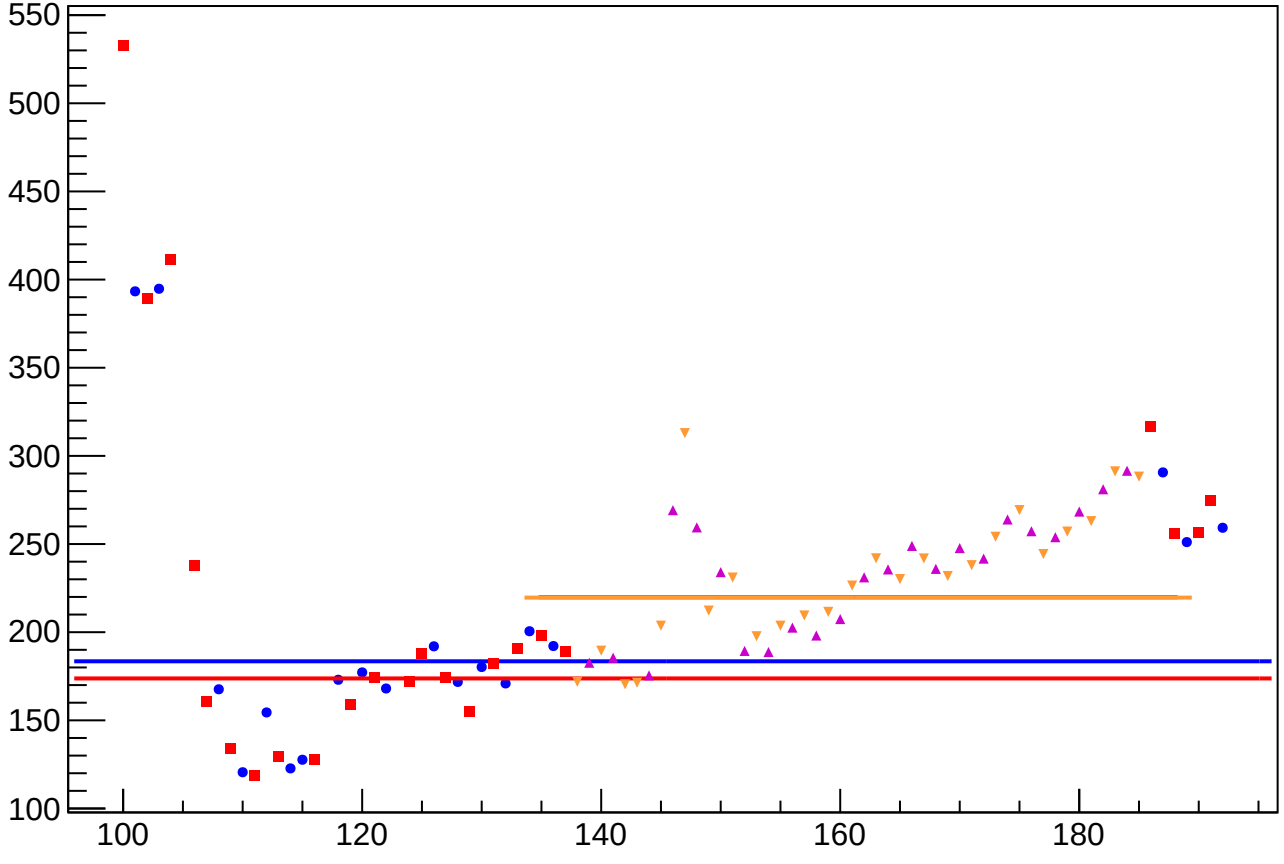
Right: 142923.375+/-0.044 χ^2/NDF: 179850118.9/4

In: 142701.222+/-0.041 χ^2/NDF:413245662.0/41

Out: 142653.074+/-0.039 χ^2/NDF:424932804.7/47

All: 142676.032+/-0.028 χ^2/NDF: 83890433

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: 173.768+/-0.043 χ^2/NDF: 1832453.1/22

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

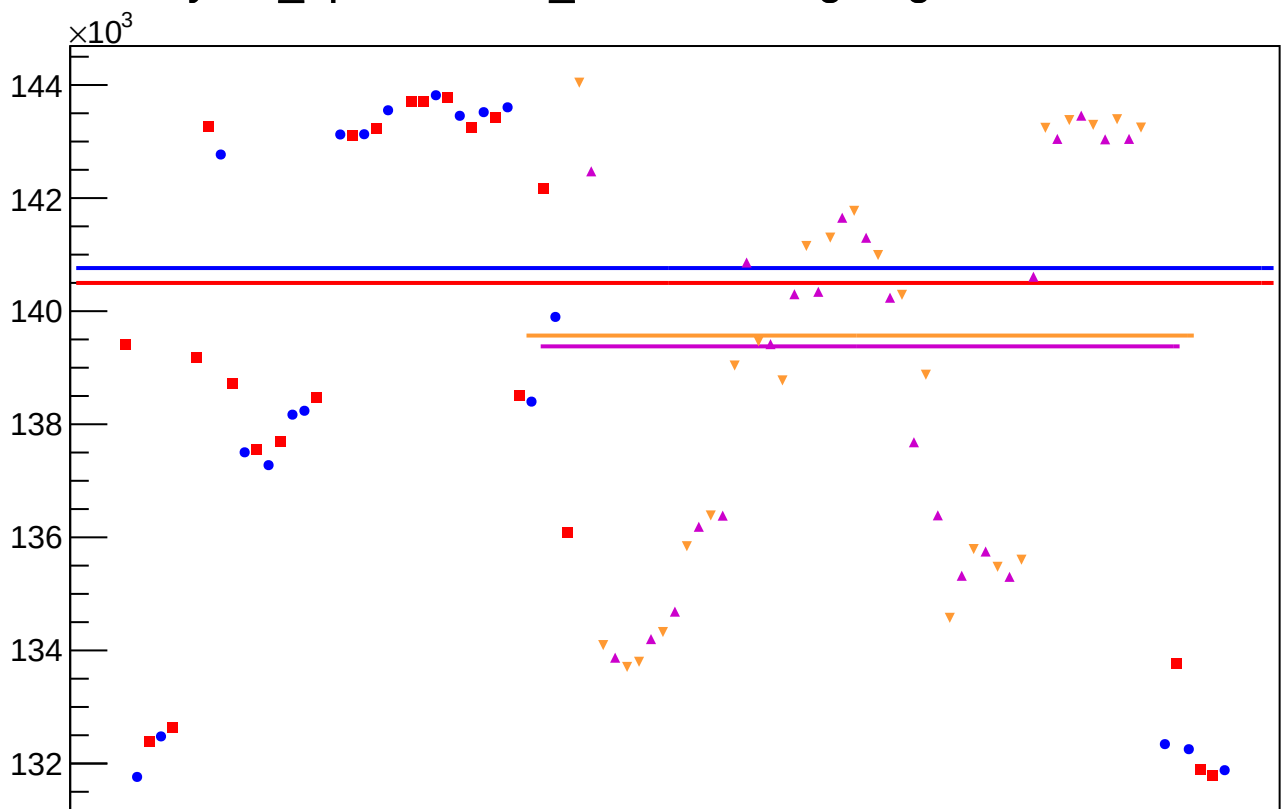
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 178.278+/-0.031 χ^2/NDF: 3230920.1/41

In: 205.592+/-0.029 χ^2/NDF:2556492.9/41

Out: 200.718+/-0.028 χ^2/NDF:3403421.9/47

All: 203.042+/-0.020 χ^2/NDF: 5974792.7/89



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: 140499.128+/-0.096 χ^2/NDF: 1681321637.0/22

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

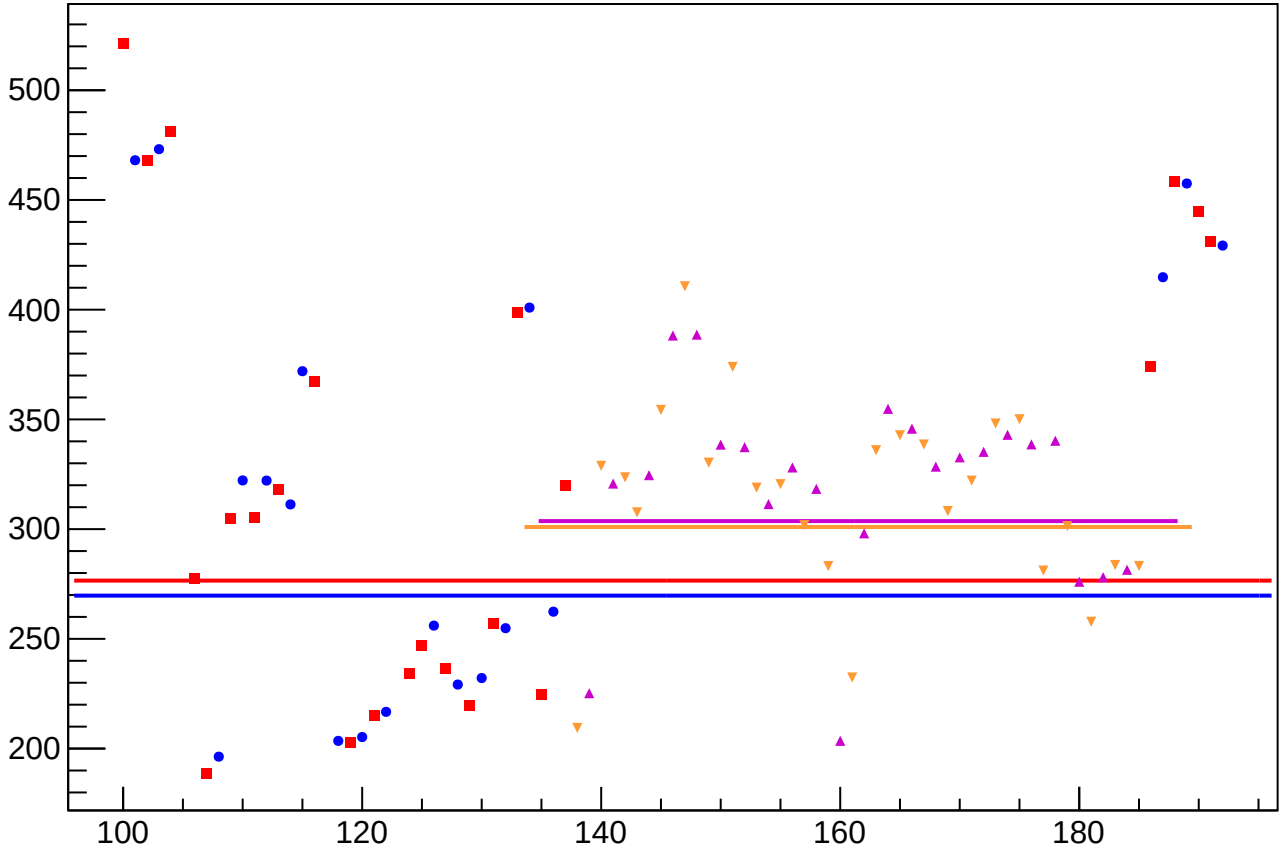
Right: 140630.143+/-0.068 χ^2/NDF: 3359253931.0/

In: 139880.578+/-0.058 χ^2/NDF:3726525159.5/41

Out: 139891.417+/-0.057 χ^2/NDF:4329181121.5/4

All: 139886.150+/-0.041 χ^2/NDF: 80557241

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: 276.542+/-0.068 χ^2/NDF: 1554720.3/22

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

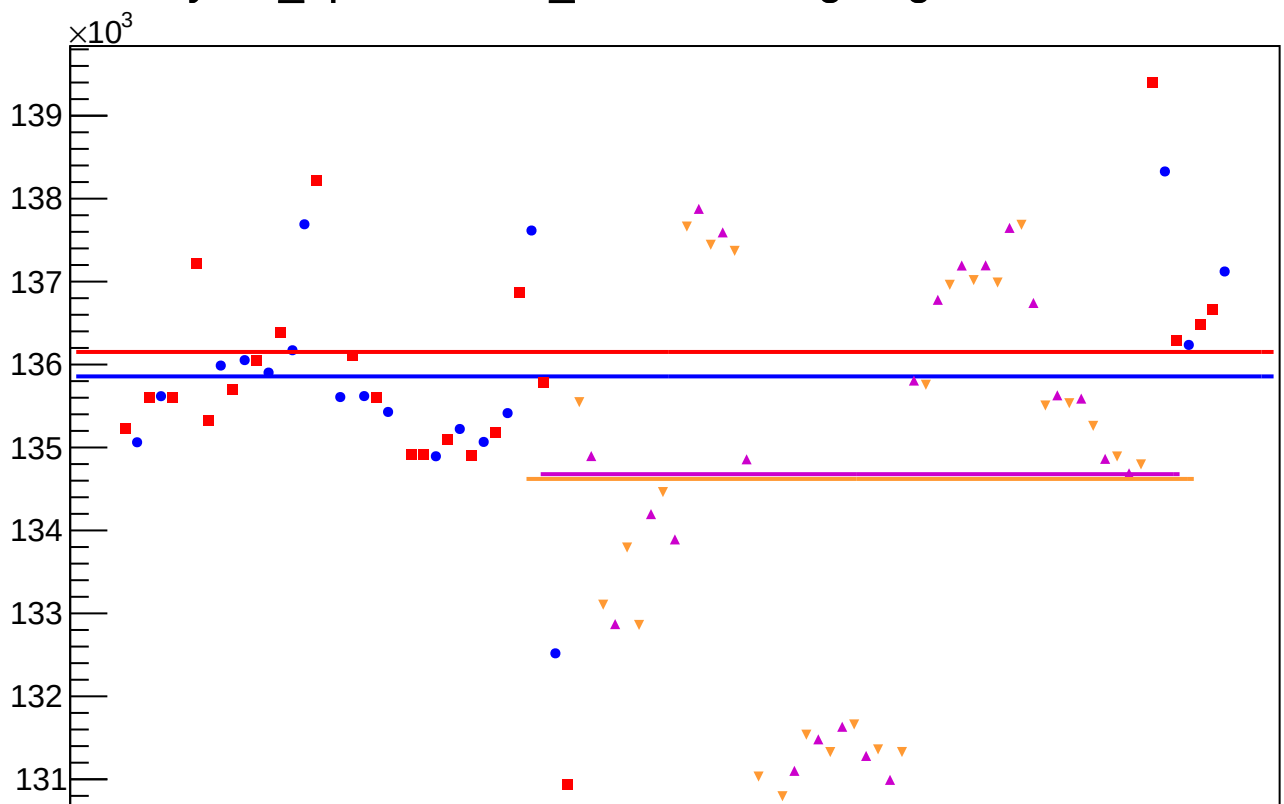
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 273.134+/-0.048 χ^2/NDF: 3038374.2/41

In: 291.322+/-0.041 χ^2/NDF:2612329.9/41

Out: 292.494+/-0.040 χ^2/NDF:2515980.5/47

All: 291.924+/-0.029 χ^2/NDF: 5128727.4/89



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: 136151.779+/-0.095 χ^2/NDF: 139473434.4/22

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

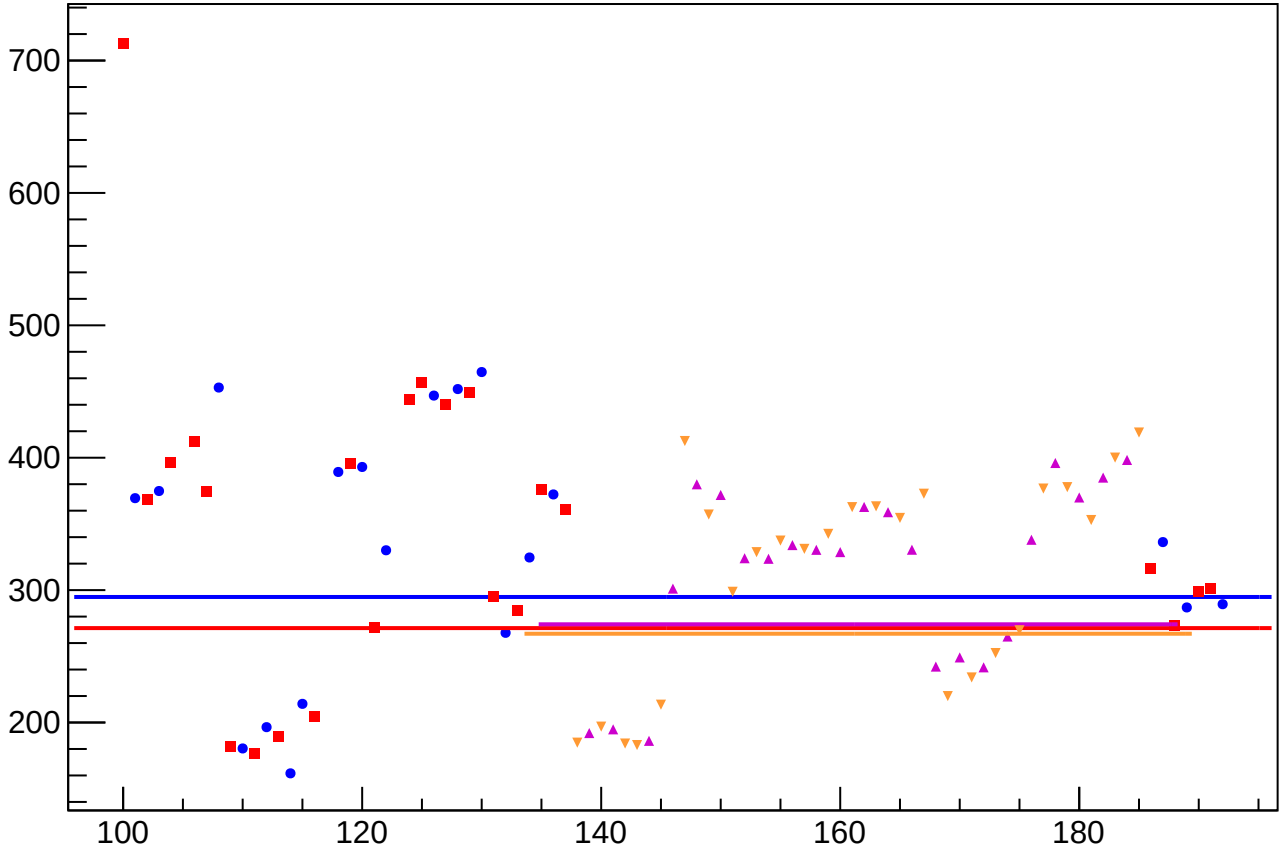
Right: 136019.432+/-0.070 χ^2/NDF: 273304766.5/4

In: 135019.416+/-0.056 χ^2/NDF:1315557410.5/41

Out: 135098.450+/-0.053 χ^2/NDF:1520891204.5/4

All: 135061.482+/-0.039 χ^2/NDF: 28374938

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: 271.305+/-0.067 χ^2/NDF: 1708746.1/22

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

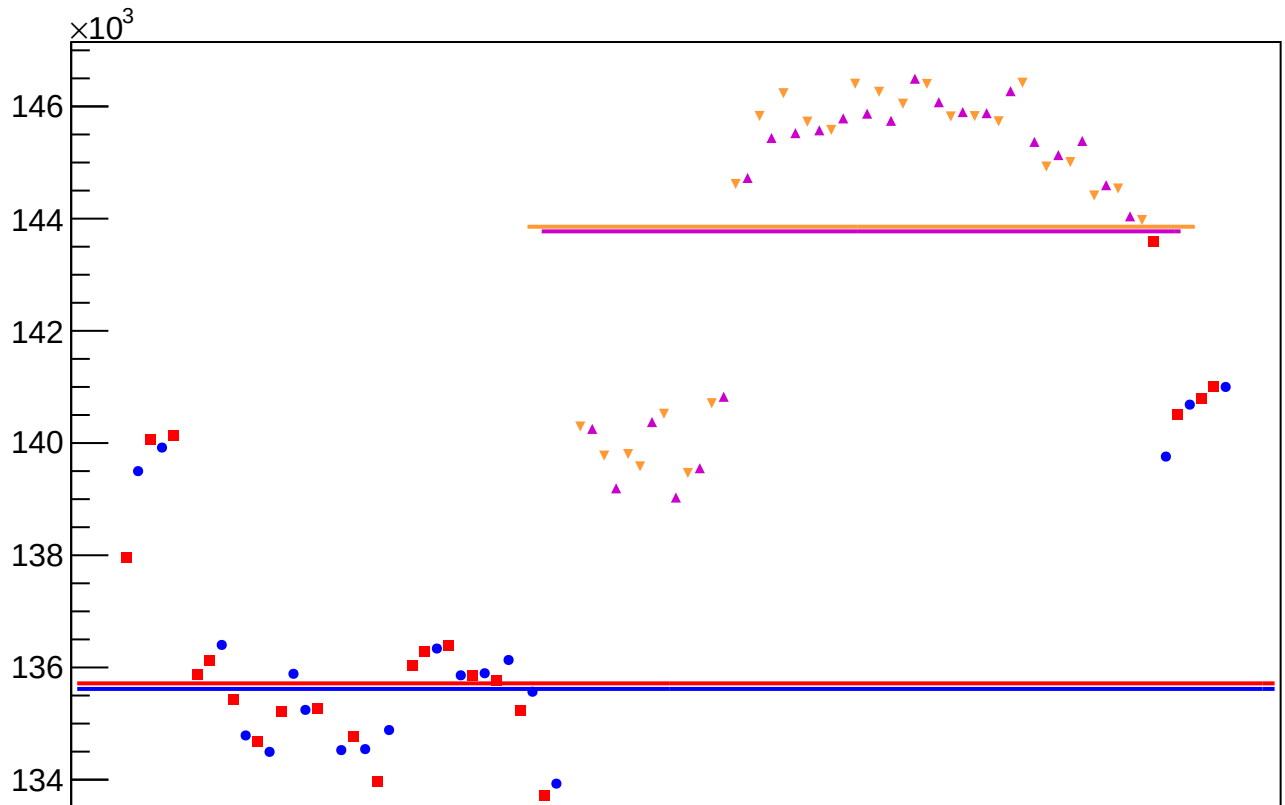
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 281.862+/-0.050 χ^2/NDF: 3213693.3/41

In: 280.147+/-0.040 χ^2/NDF:3741372.0/41

Out: 268.379+/-0.037 χ^2/NDF:4554828.7/47

All: 273.884+/-0.027 χ^2/NDF: 8342545.2/89



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: 135716.572+/-0.050 χ^2/NDF: 1361659055.9/22

Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

Left: 143816.659+/-0.035 χ^2/NDF: 5934957242.3/4

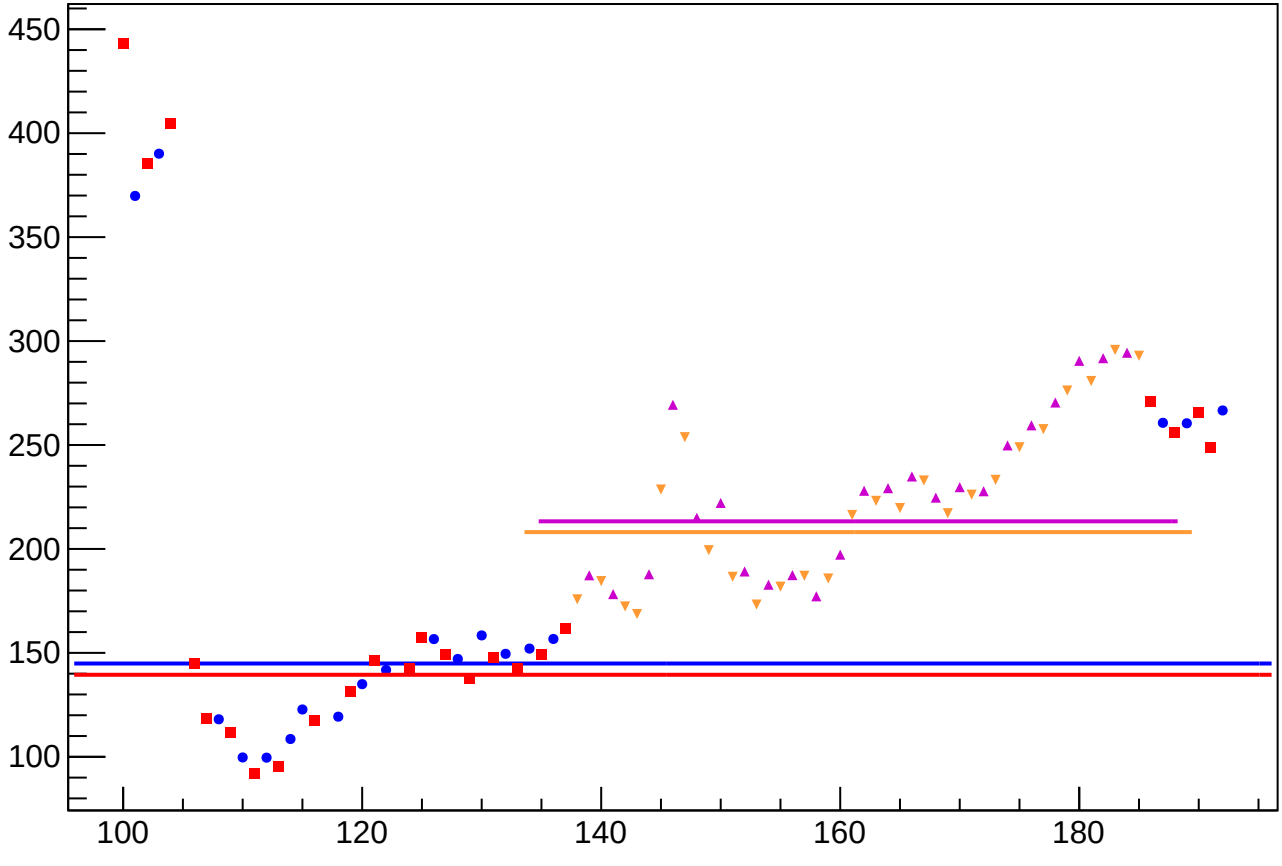
Right: 135669.965+/-0.036 χ^2/NDF: 2438816227.5/

In: 139846.618+/-0.037 χ^2/NDF:16228717685.5/4

Out: 139912.846+/-0.035 χ^2/NDF:18229436043.2

All: 139881.552+/-0.025 χ^2/NDF: 34459874

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: 139.463+/-0.035 χ^2/NDF: 2417529.4/22

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

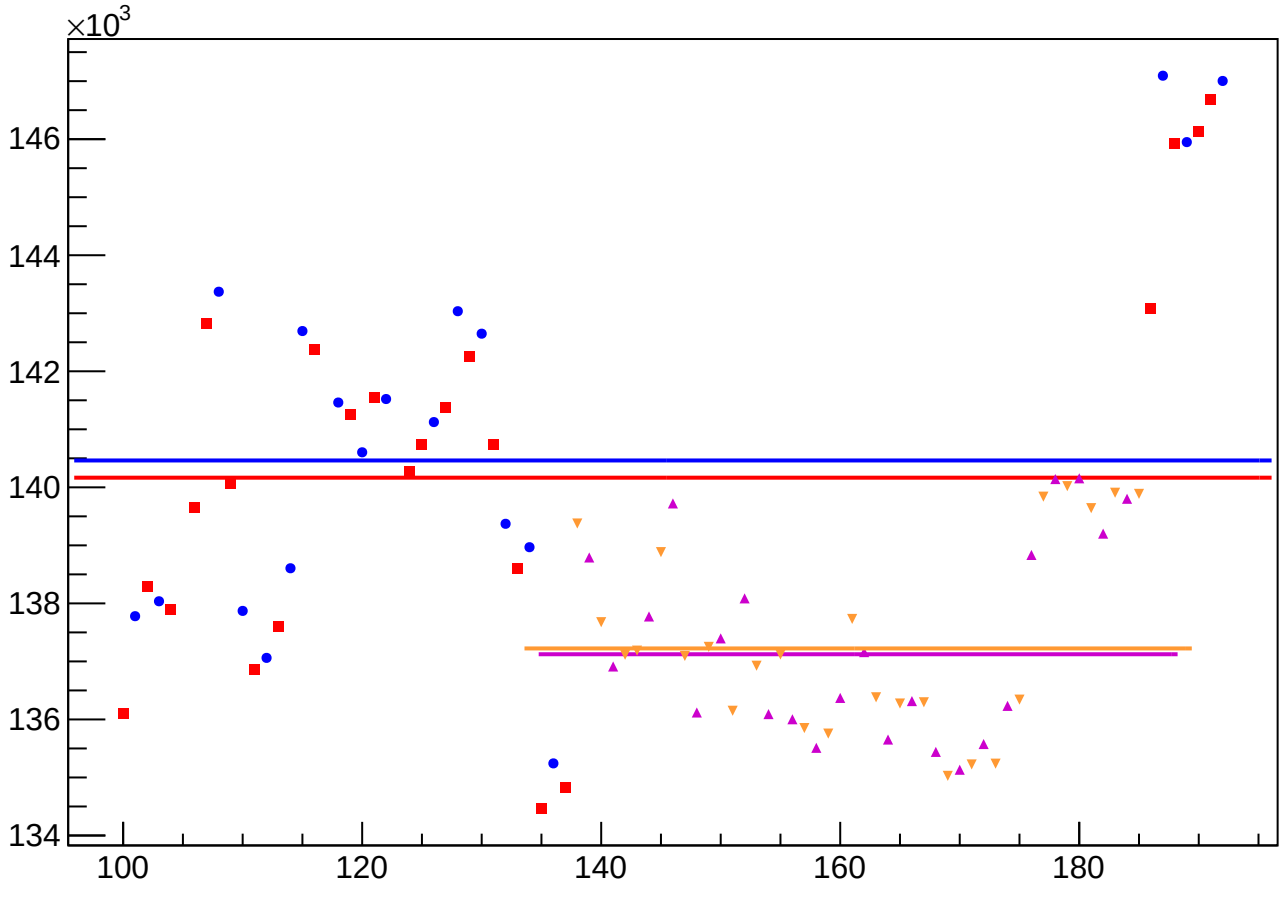
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 142.019+/-0.026 χ^2/NDF: 4546813.6/41

In: 180.357+/-0.026 χ^2/NDF:4721045.3/41

Out: 174.850+/-0.025 χ^2/NDF:5364331.8/47

All: 177.452+/-0.018 χ^2/NDF: 10109174.5/89



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: 140166.422+/-0.057 χ^2/NDF: 2501278527.5/22

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

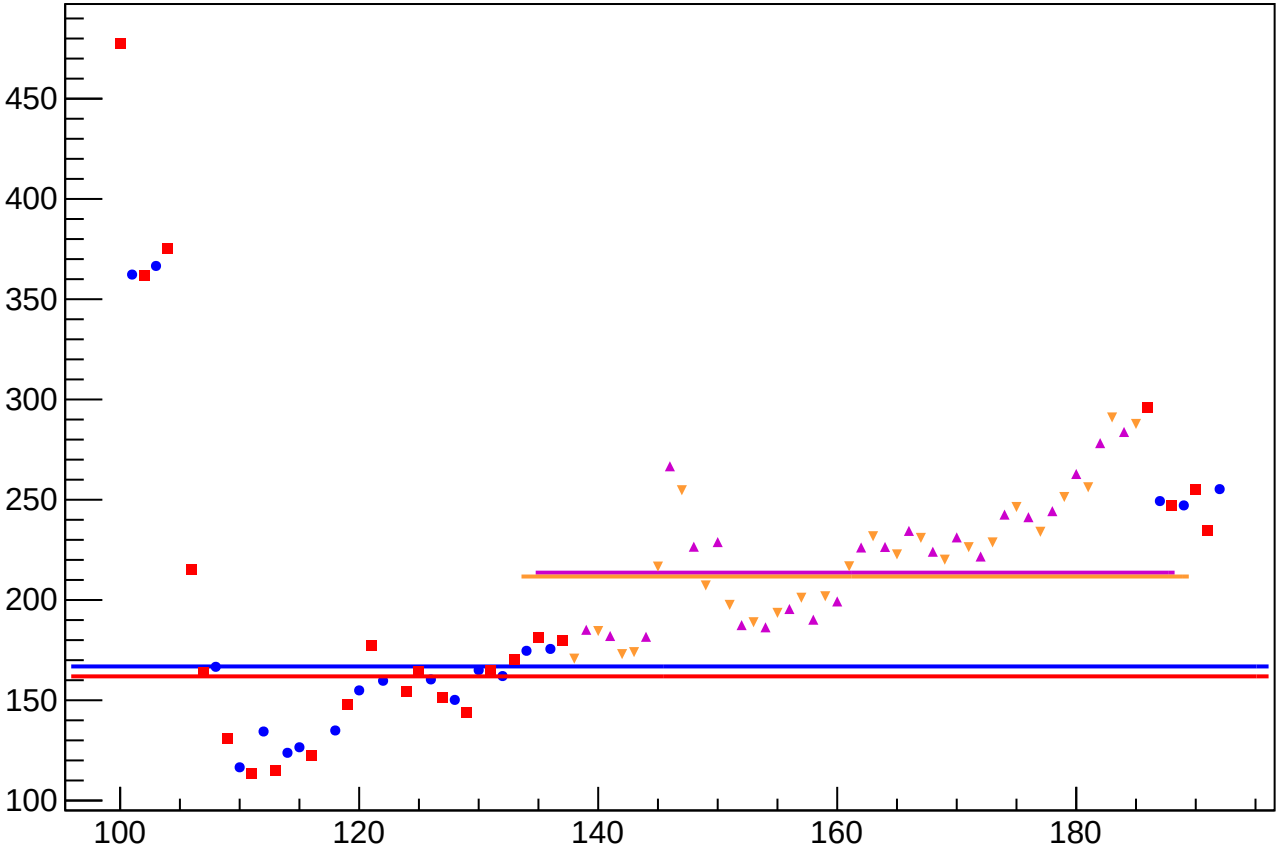
Right: 140307.654+/-0.041 χ^2/NDF: 5304778340.9/

In: 138532.509+/-0.039 χ^2/NDF:5466792167.4/41

Out: 138480.729+/-0.037 χ^2/NDF:4933619637.8/4

All: 138505.537+/-0.027 χ^2/NDF: 10401344

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: 161.917+/-0.040 χ^2/NDF: 1810409.0/22

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

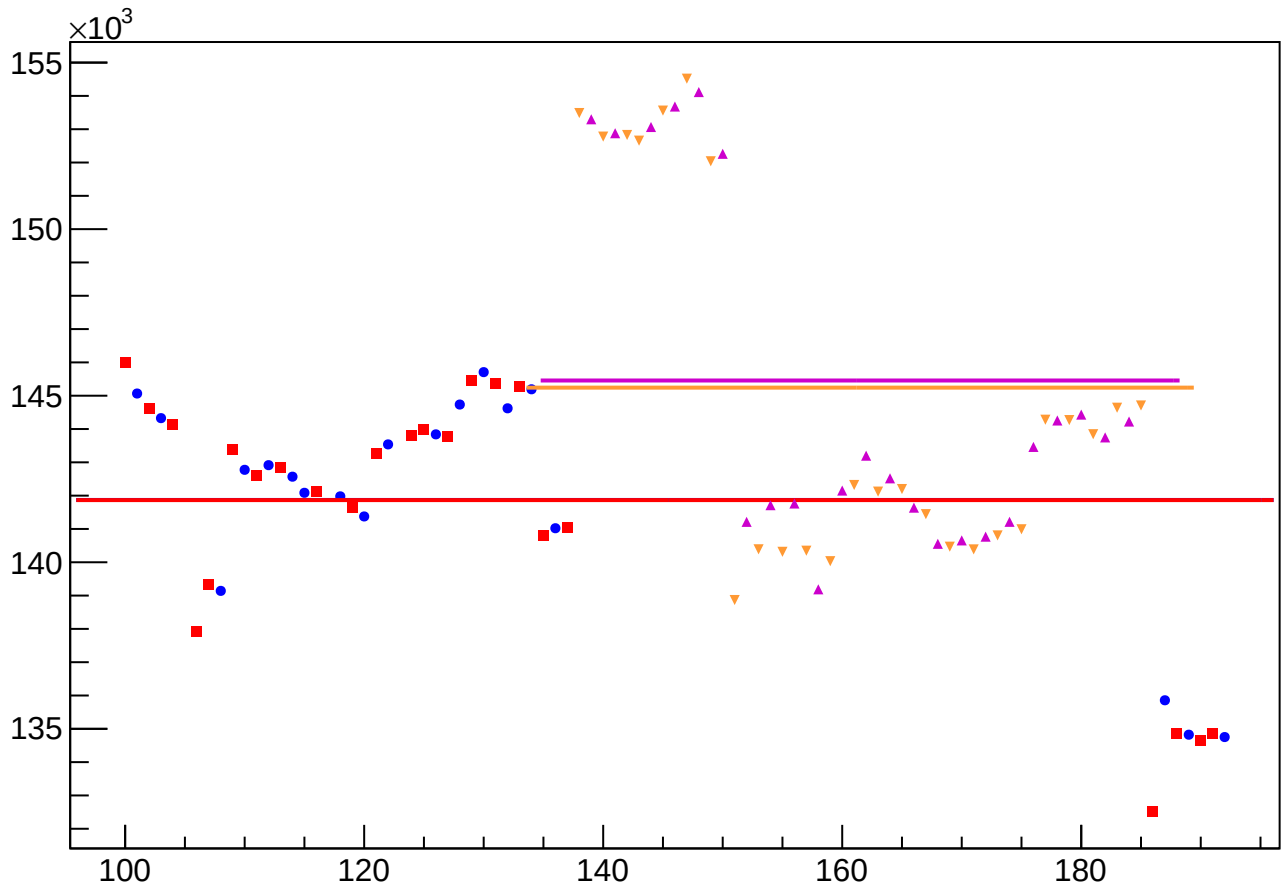
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 164.274+/-0.029 χ^2/NDF: 3257631.4/41

In: 193.907+/-0.027 χ^2/NDF:2773620.4/41

Out: 190.442+/-0.026 χ^2/NDF:3366664.9/47

All: 192.102+/-0.019 χ^2/NDF: 6148637.2/89



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: 141866.319+/-0.058 χ^2/NDF: 3214134748.4/22

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

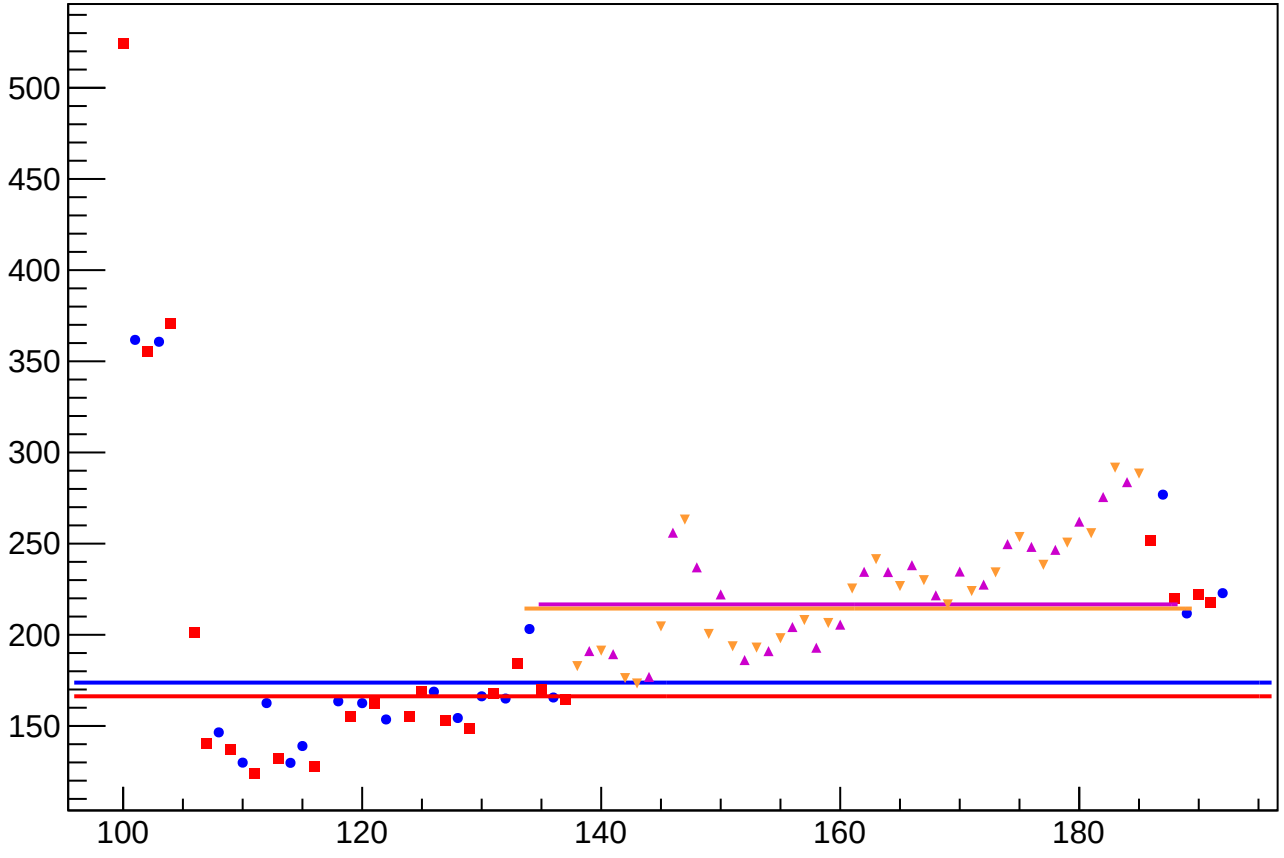
Right: 141868.175+/-0.042 χ^2/NDF: 5877313107.3/

In: 143972.240+/-0.039 χ^2/NDF:15737344836.3/4

Out: 143802.644+/-0.038 χ^2/NDF:18221114308.5

All: 143883.247+/-0.027 χ^2/NDF: 33968138

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: 166.270+/-0.041 χ^2/NDF: 1334589.9/22

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

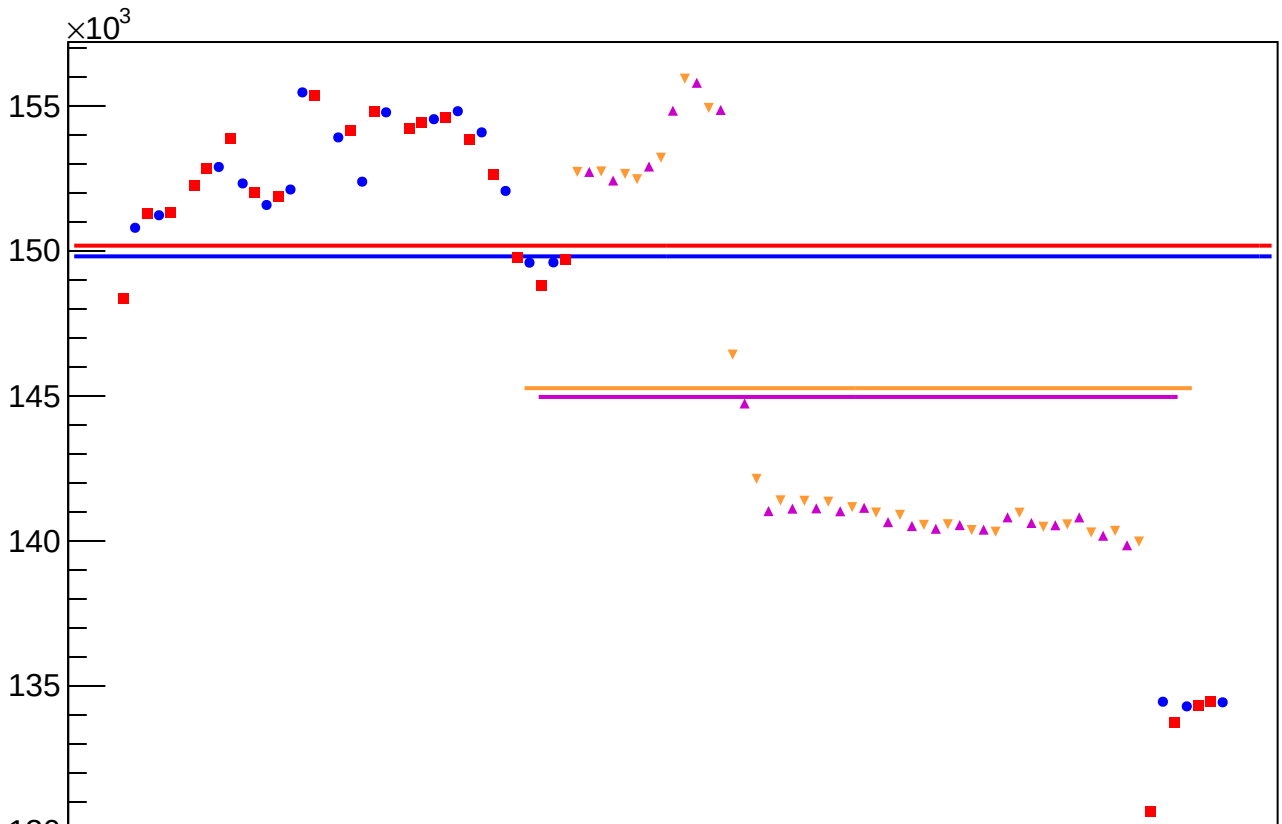
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 169.785+/-0.030 χ^2/NDF: 2416817.0/41

In: 198.910+/-0.028 χ^2/NDF:2225317.4/41

Out: 193.870+/-0.027 χ^2/NDF:2780076.0/47

All: 196.265+/-0.019 χ^2/NDF: 5022486.6/89



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: 150183.854+/-0.062 χ^2/NDF: 12320144893.7/22

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

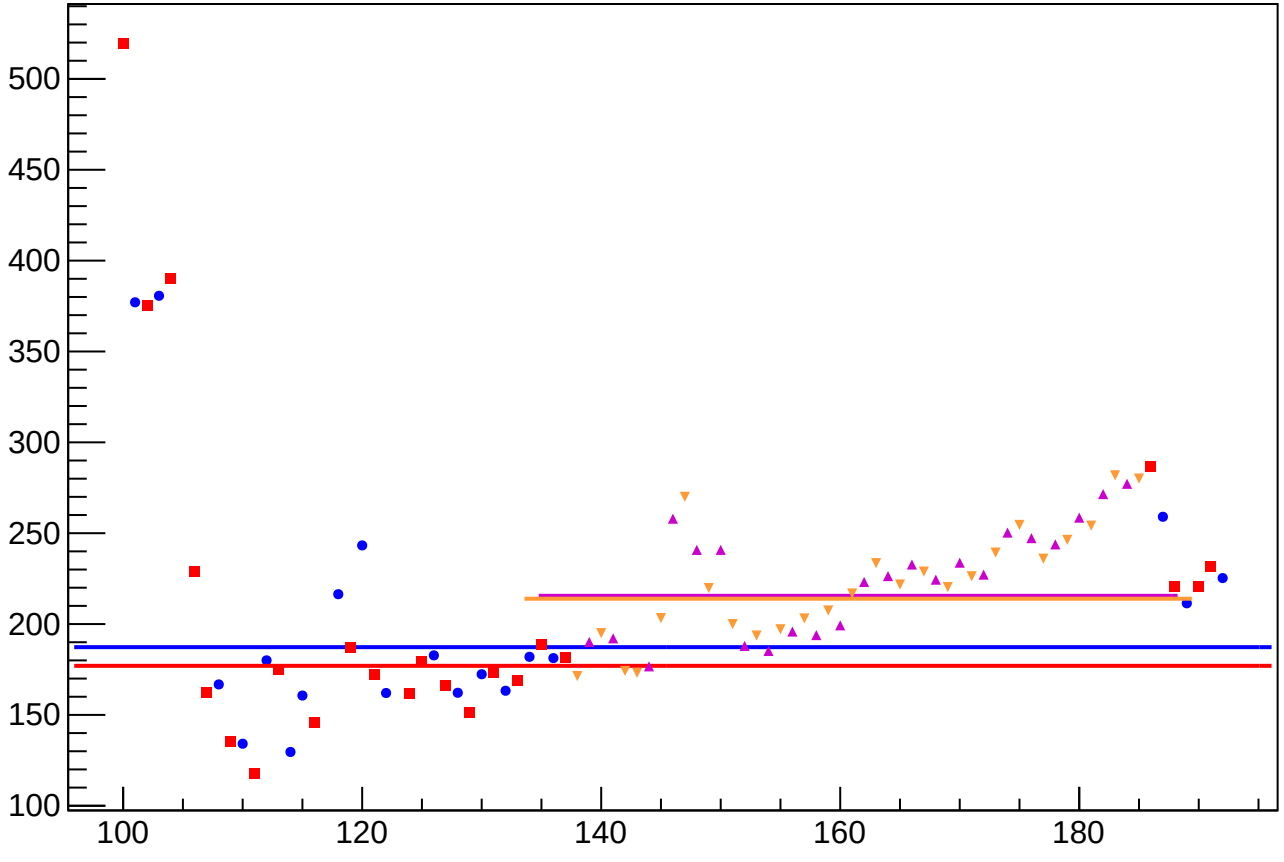
Right: 150013.536+/-0.045 χ^2/NDF: 22400245286.

In: 146756.349+/-0.041 χ^2/NDF:26528014002.3/4

Out: 147180.902+/-0.039 χ^2/NDF:29876502338.3

All: 146979.650+/-0.028 χ^2/NDF: 56461838

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: 177.010+/-0.044 χ^2/NDF: 1371407.1/22

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

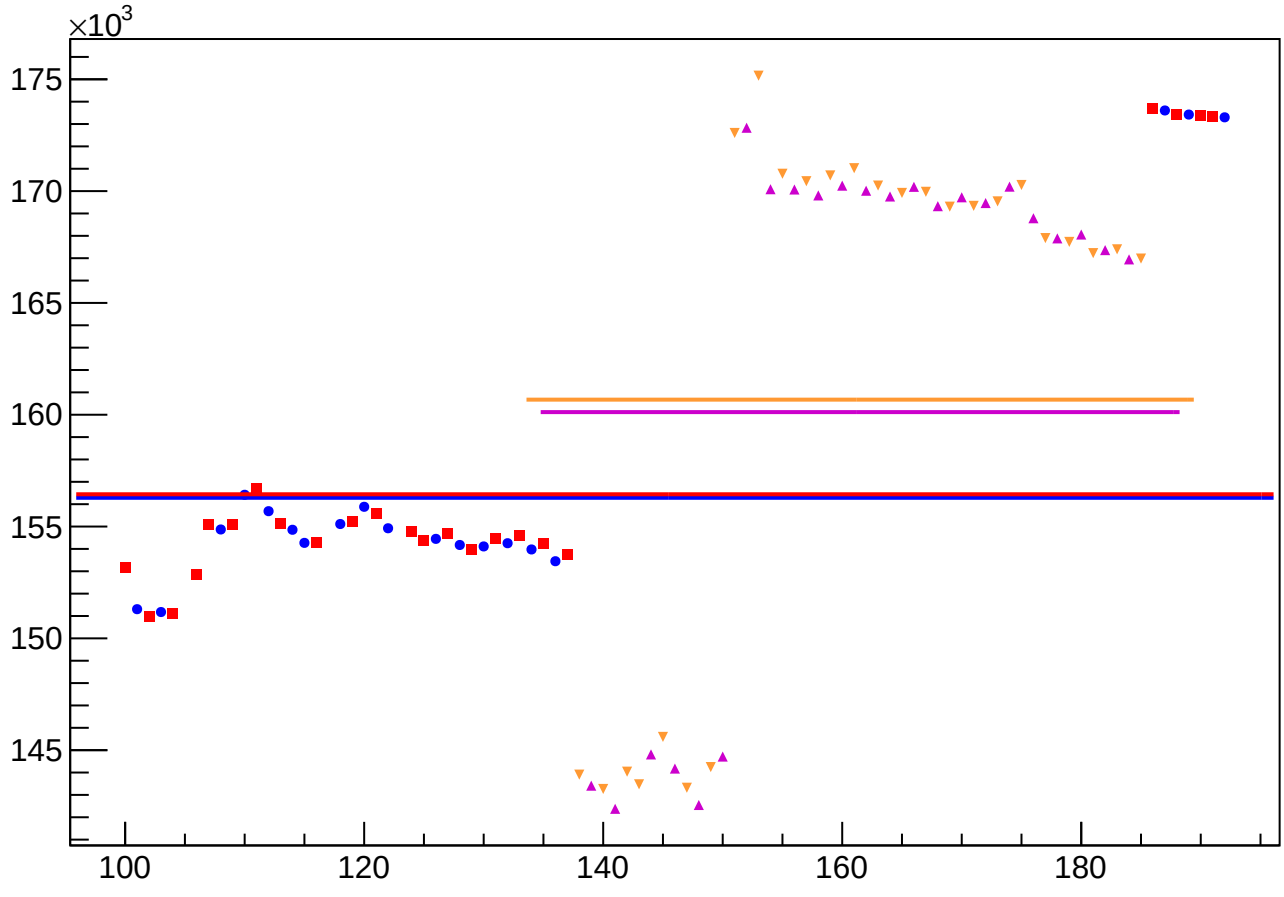
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 181.748+/-0.032 χ^2/NDF: 2416496.1/41

In: 205.107+/-0.029 χ^2/NDF:1845065.1/41

Out: 199.585+/-0.027 χ^2/NDF:2457169.4/47

All: 202.203+/-0.020 χ^2/NDF: 4321633.0/89



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: 156443.298+/-0.058 χ^2/NDF: 8548460436.1/22

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

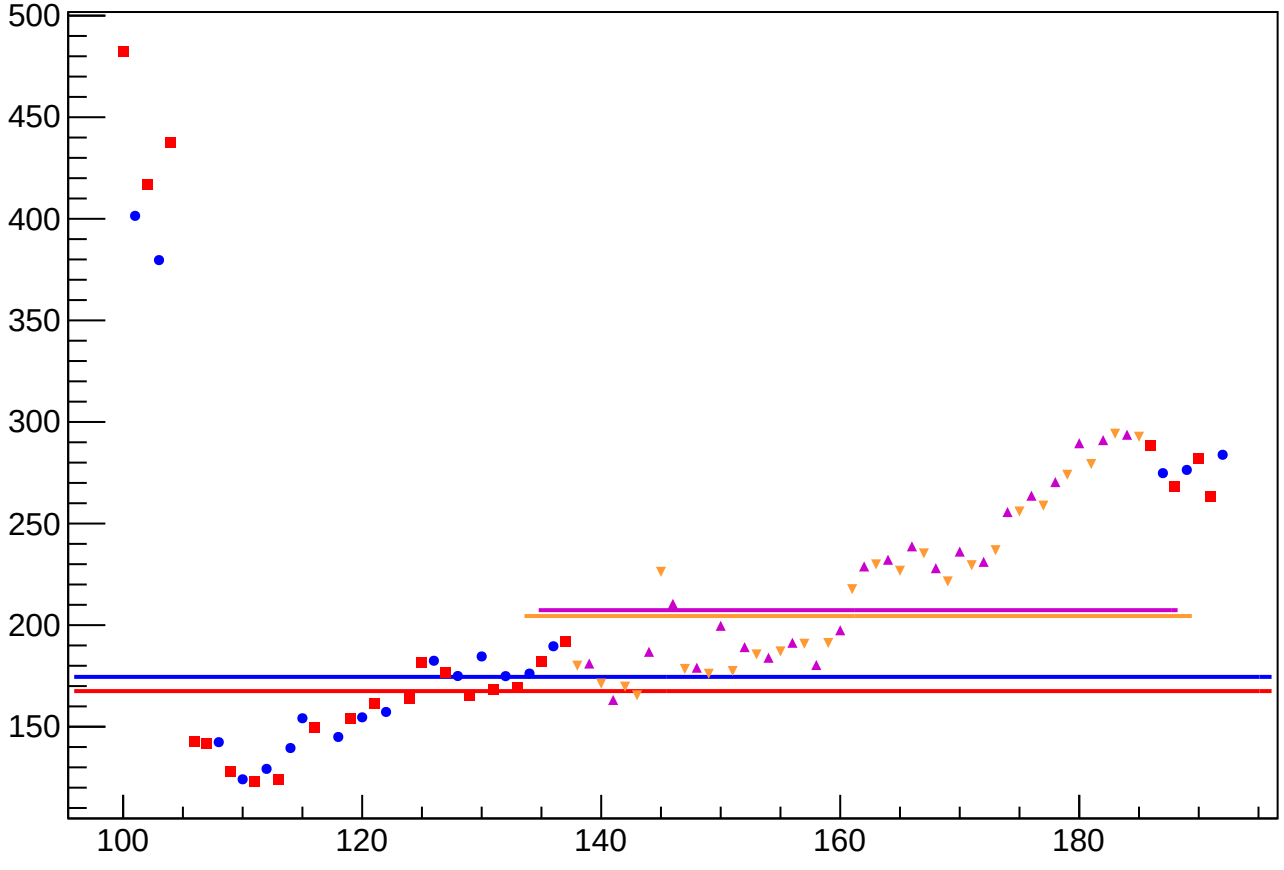
Right: 156370.310+/-0.043 χ^2/NDF: 15639997745.

In: 158642.204+/-0.039 χ^2/NDF:75957361319.2/

Out: 158991.447+/-0.037 χ^2/NDF:85875184946.2

All: 158825.883+/-0.027 χ^2/NDF: 16187529

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: 167.538+/-0.041 χ^2/NDF: 1898084.0/22

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

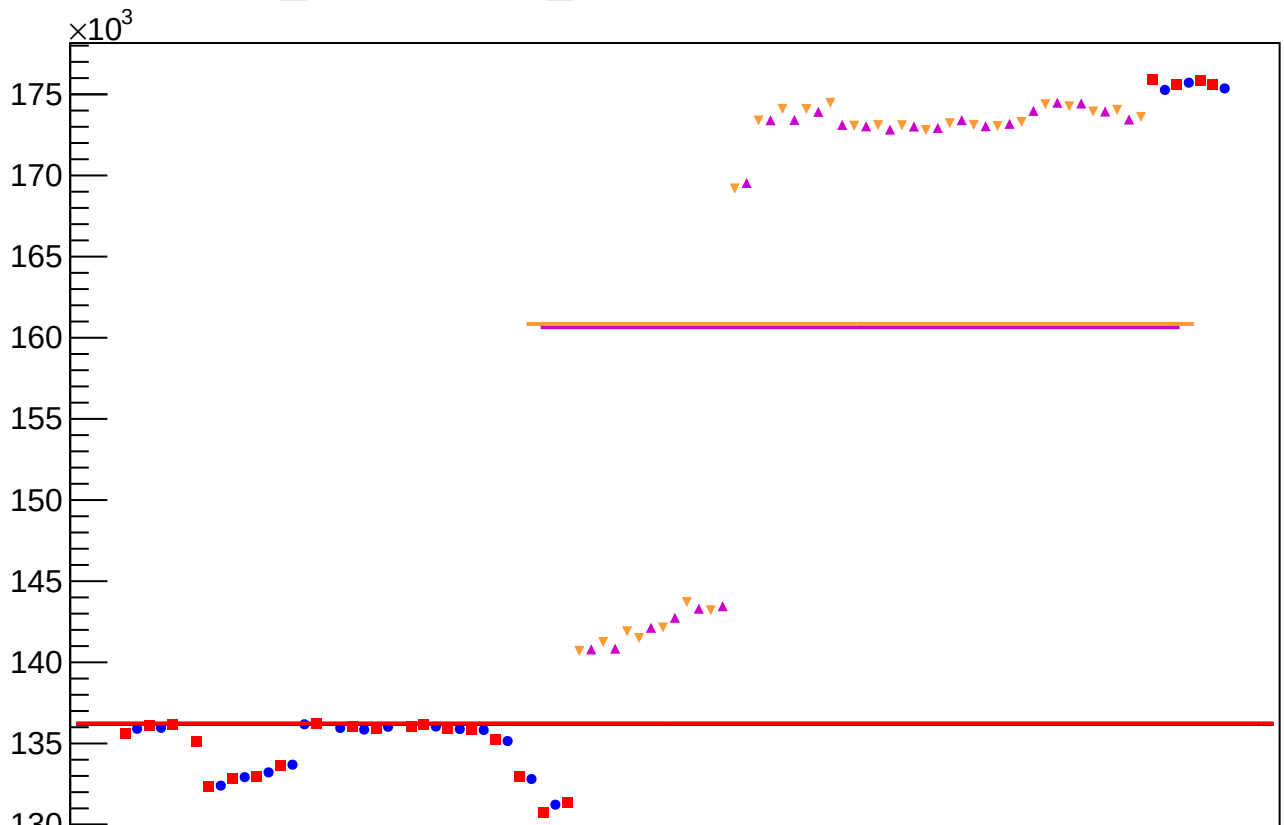
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 170.797+/-0.030 χ^2/NDF: 3507948.6/41

In: 194.723+/-0.027 χ^2/NDF:2893445.3/41

Out: 189.781+/-0.026 χ^2/NDF:3454643.0/47

All: 192.124+/-0.019 χ^2/NDF: 6365204.4/89



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: 136236.376+/-0.047 χ^2/NDF: 38005176954.7/22

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

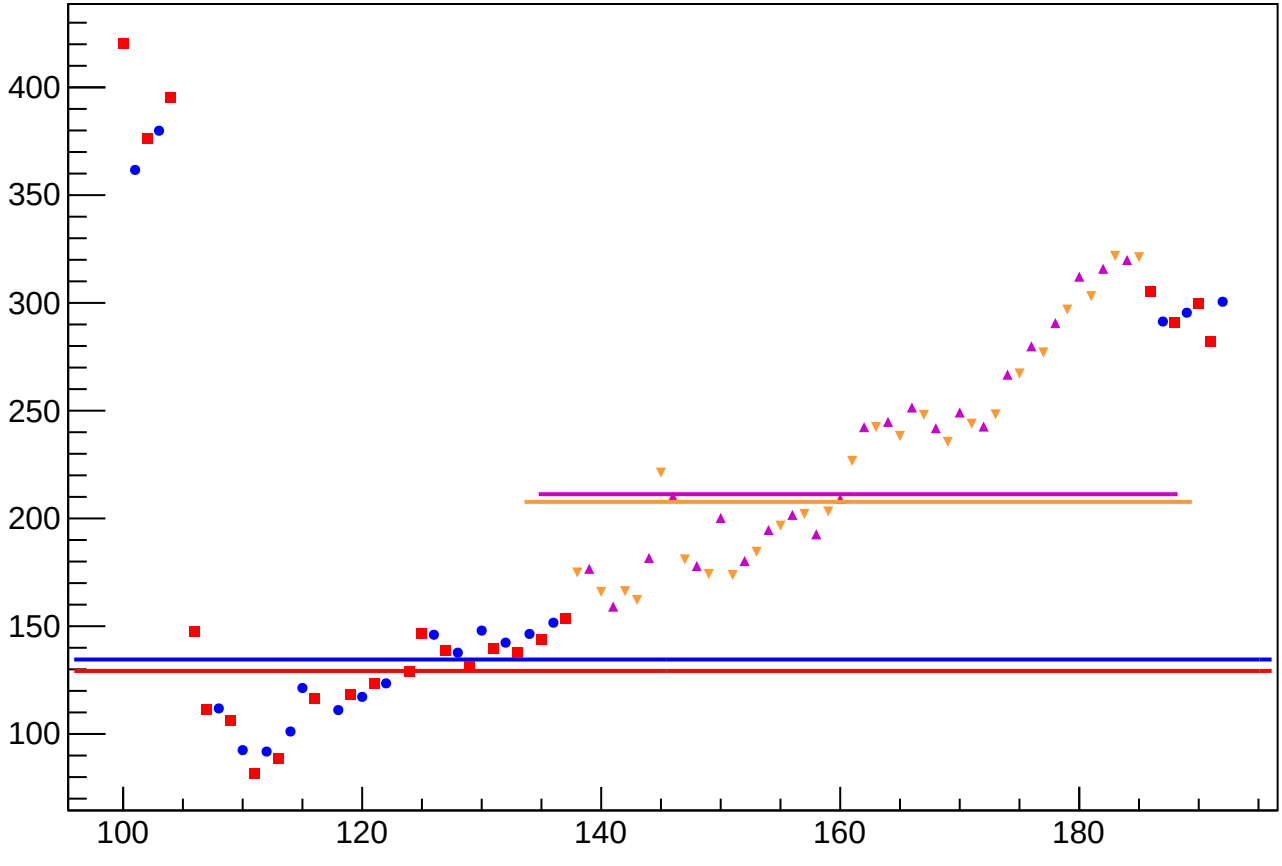
Right: 136219.343+/-0.034 χ^2/NDF: 69828112703.

In: 148187.447+/-0.035 χ^2/NDF:241010631811.0

Out: 148117.271+/-0.034 χ^2/NDF:270847217687.

All: 148150.546+/-0.024 χ^2/NDF: 51185991

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: 129.246+/-0.033 χ^2/NDF: 2918390.6/22

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

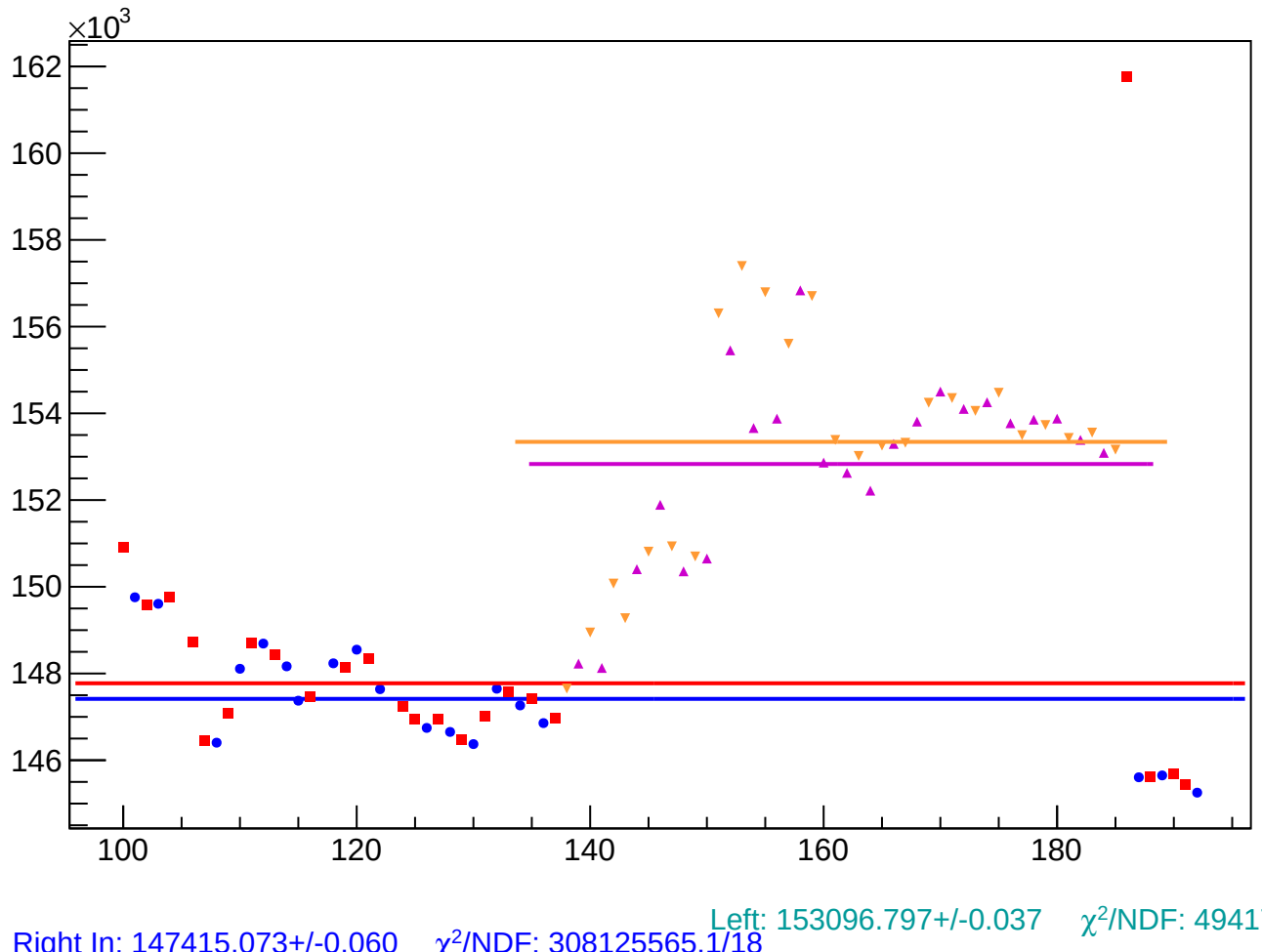
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 131.743+/-0.024 χ^2/NDF: 5469623.0/41

In: 172.152+/-0.025 χ^2/NDF:6187049.2/41

Out: 167.108+/-0.024 χ^2/NDF:7133582.7/47

All: 169.500+/-0.017 χ^2/NDF: 13341939.2/89



Right In: 147415.073+/-0.060 χ^2/NDF: 308125565.1/18

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 147774.497+/-0.056 χ^2/NDF: 1202690306.8/22

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

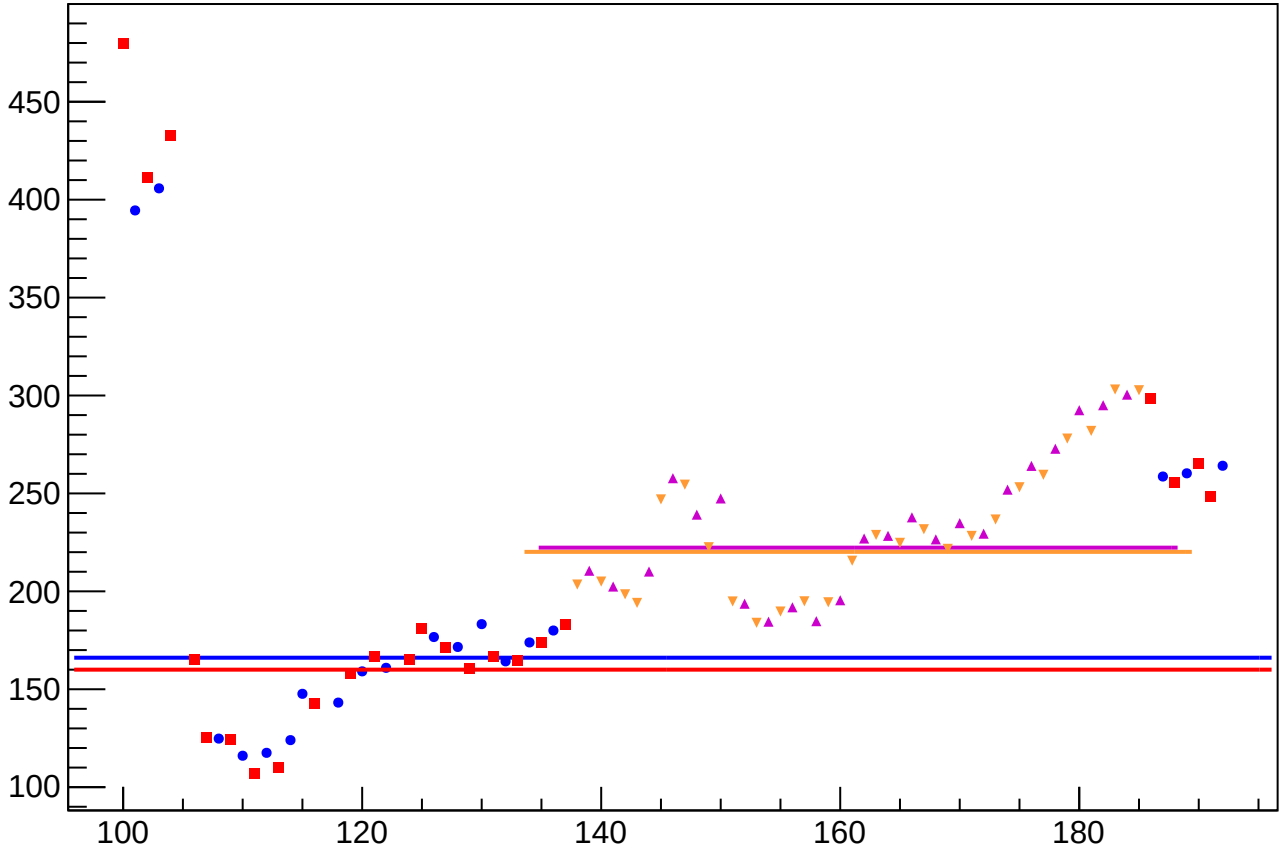
Right: 147605.388+/-0.041 χ^2/NDF: 1530015040.8/

In: 150453.732+/-0.040 χ^2/NDF:6841975265.8/41

Out: 150841.987+/-0.038 χ^2/NDF:9576369603.6/4

All: 150657.111+/-0.027 χ^2/NDF: 16468831

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: 160.005+/-0.040 χ^2/NDF: 2121477.5/22

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

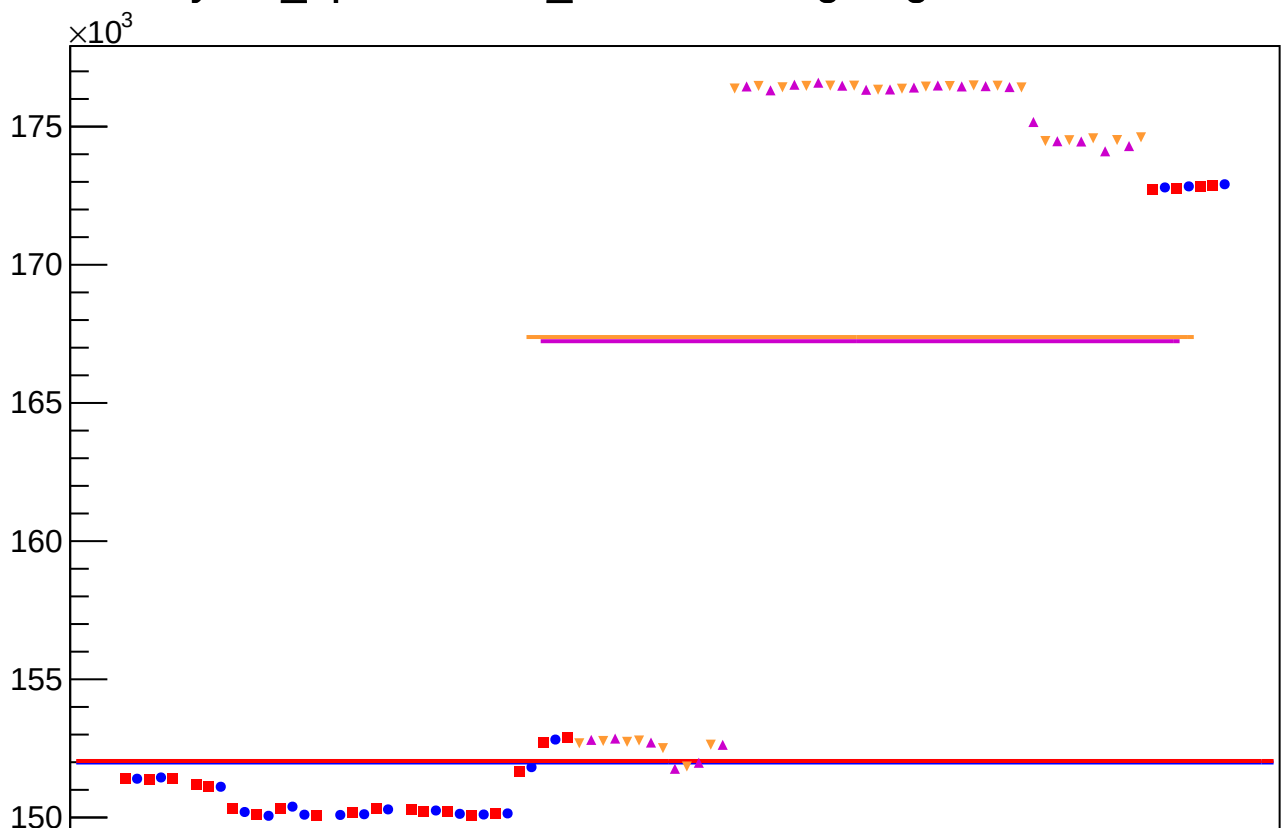
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 162.876+/-0.029 χ^2/NDF: 3894137.3/41

In: 197.635+/-0.028 χ^2/NDF:3453734.1/41

Out: 193.143+/-0.027 χ^2/NDF:4066316.8/47

All: 195.282+/-0.019 χ^2/NDF: 7533568.7/89



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: 152044.587+/-0.049 χ^2/NDF: 12873384457.7/22

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

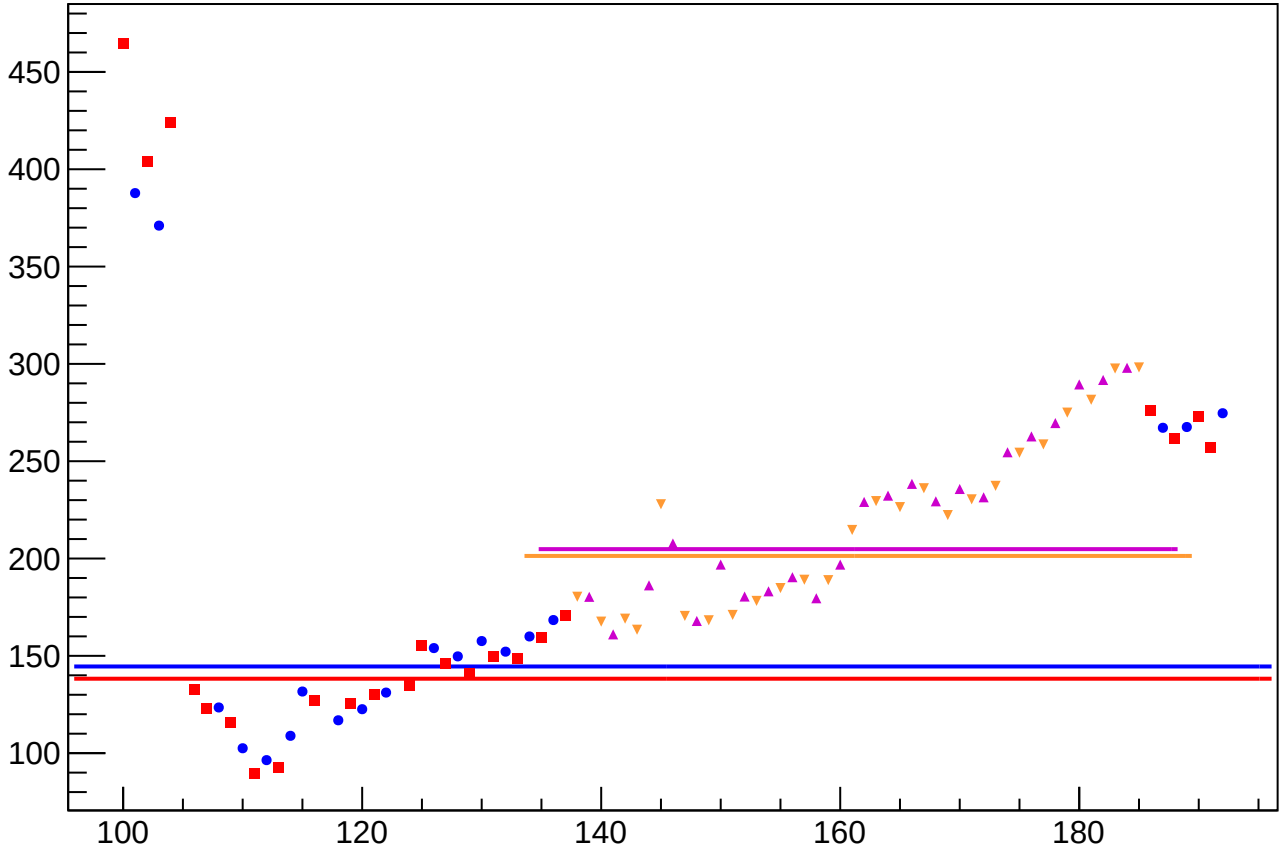
Right: 152019.091+/-0.036 χ^2/NDF: 23740813155.

In: 160206.422+/-0.036 χ^2/NDF:110824336783.1

Out: 160117.285+/-0.034 χ^2/NDF:123531160909.

All: 160159.328+/-0.025 χ^2/NDF: 23435875

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: 138.246+/-0.035 χ^2/NDF: 2574856.8/22

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

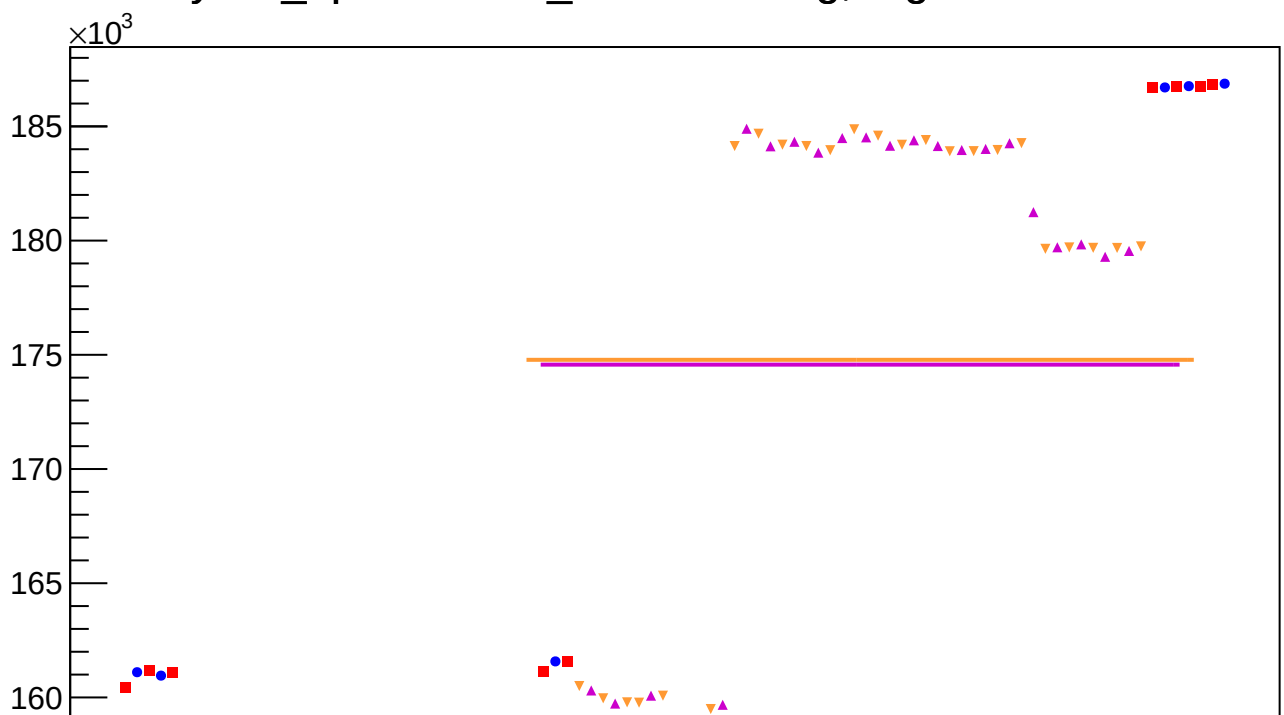
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 141.169+/-0.025 χ^2/NDF: 4792574.2/41

In: 177.031+/-0.025 χ^2/NDF:4658980.6/41

Out: 171.441+/-0.024 χ^2/NDF:5532102.6/47

All: 174.078+/-0.017 χ^2/NDF: 10216735.1/89



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: 158237.699+/-0.052 χ^2/NDF: 20167793436.6/22

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

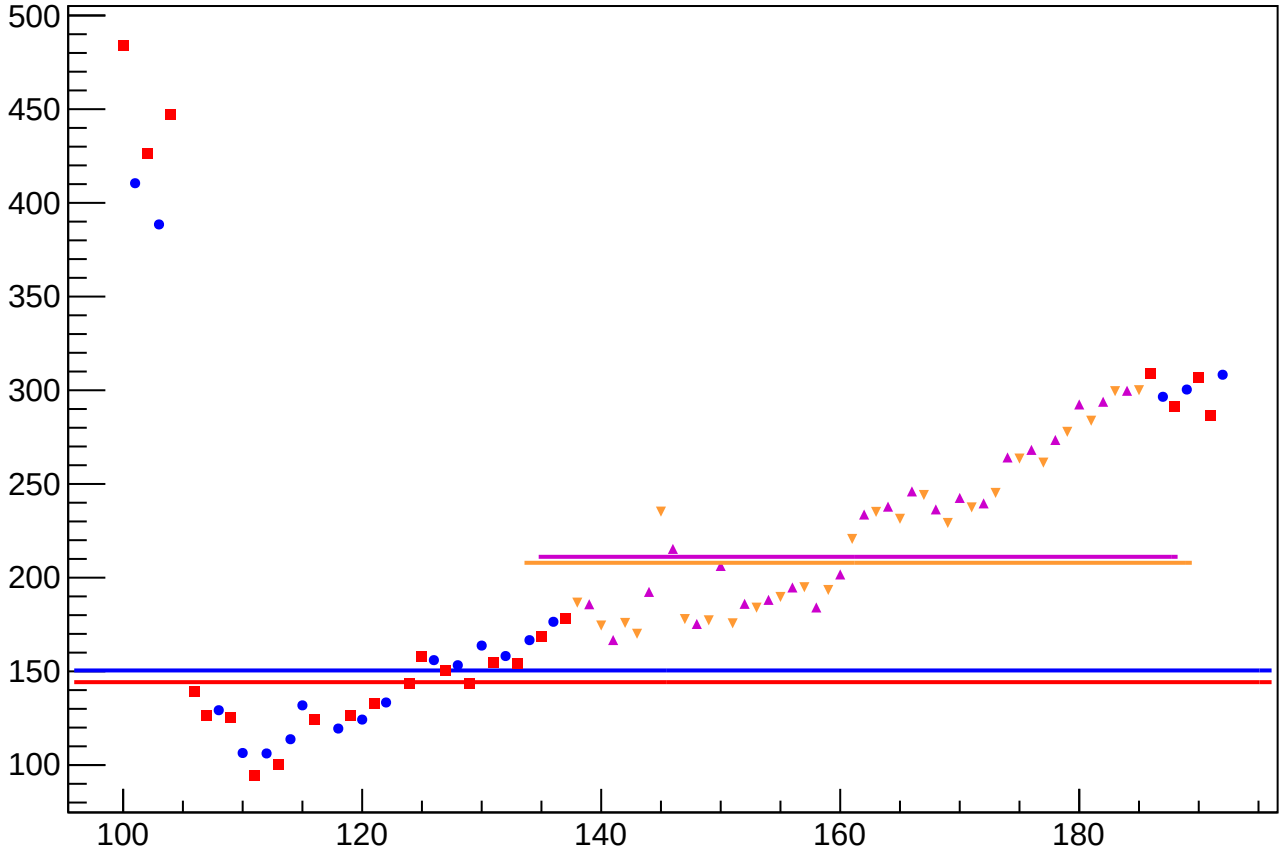
Right: 158200.497+/-0.038 χ^2/NDF: 37243399136.

In: 167121.641+/-0.037 χ^2/NDF:120080717629.9

Out: 167062.138+/-0.035 χ^2/NDF:133247892307.

All: 167090.254+/-0.026 χ^2/NDF: 25332995

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: 144.244+/-0.036 χ^2/NDF: 2671654.4/22

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

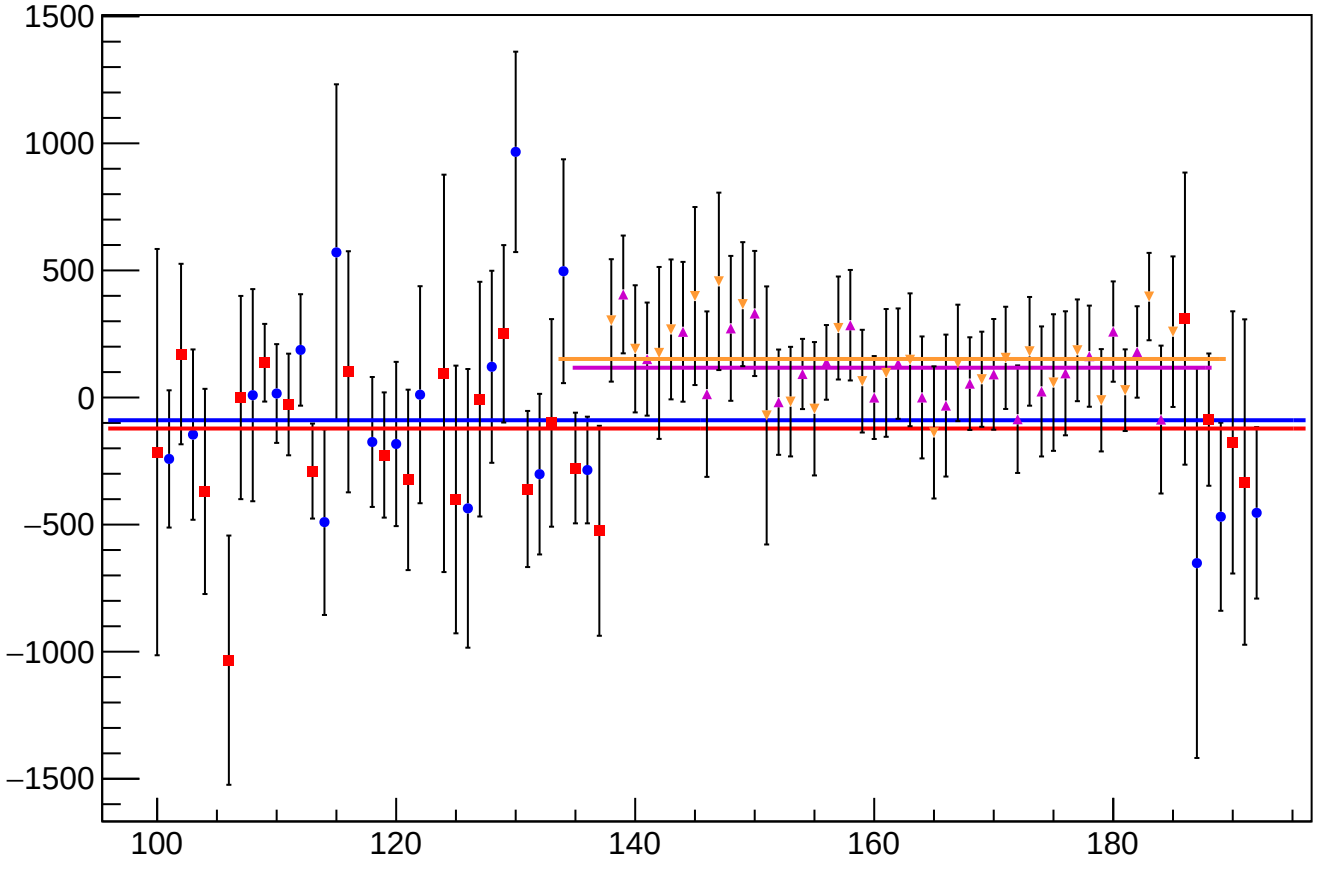
Right: 147.151+/-0.027 χ^2/NDF: 4988165.4/41

In: 183.611+/-0.026 χ^2/NDF:4614149.2/41

Out: 178.221+/-0.025 χ^2/NDF:5432967.6/47

All: 180.768+/-0.018 χ^2/NDF: 10069262.5/89

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: -122.048+/-64.946 χ^2/NDF: 13.6/22

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

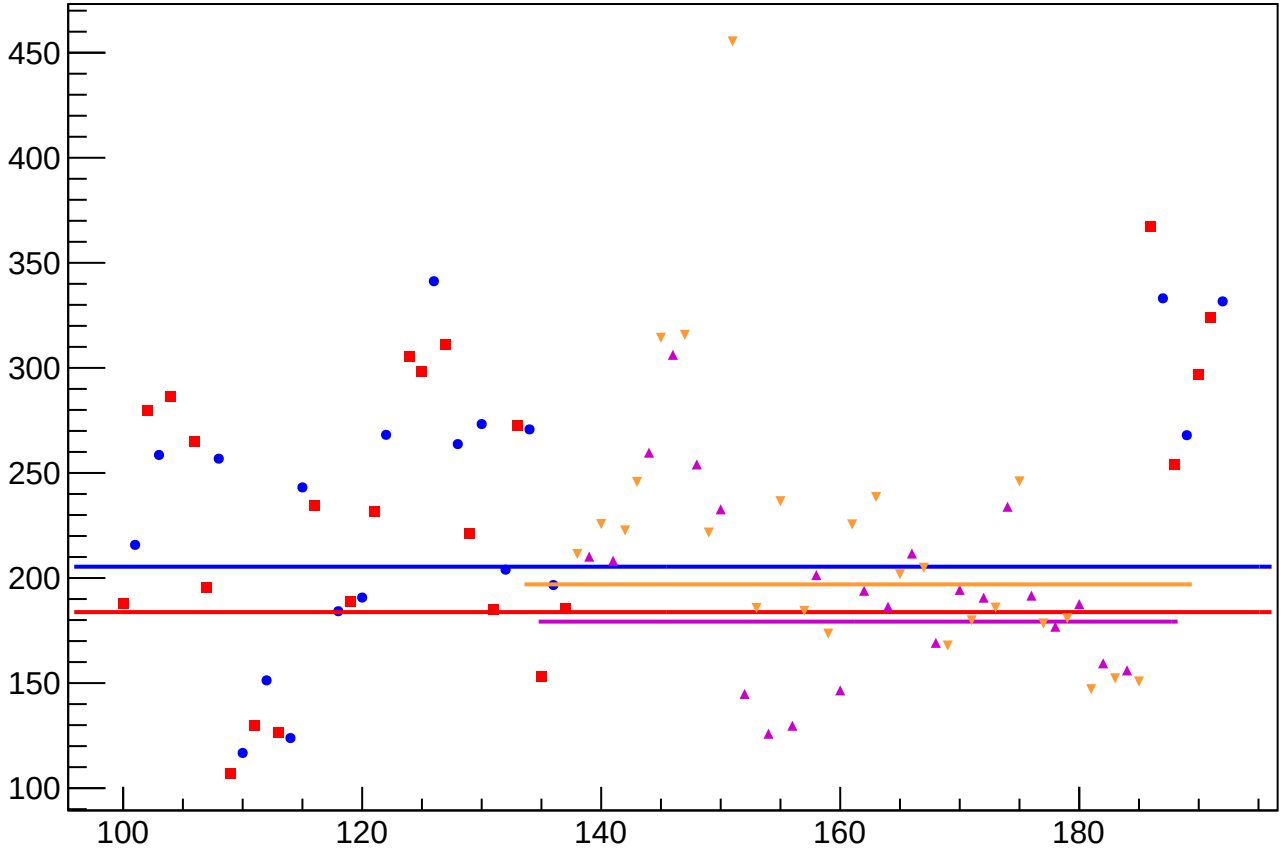
Right: -107.602+/-48.488 χ^2/NDF: 32.1/41

In: 62.392+/-37.528 χ^2/NDF:31.8/41

Out: 59.074+/-37.765 χ^2/NDF:34.9/47

All: 60.744+/-26.620 χ^2/NDF: 66.8/89

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: 183.793+/-0.046 χ^2/NDF: 2226394.4/22

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

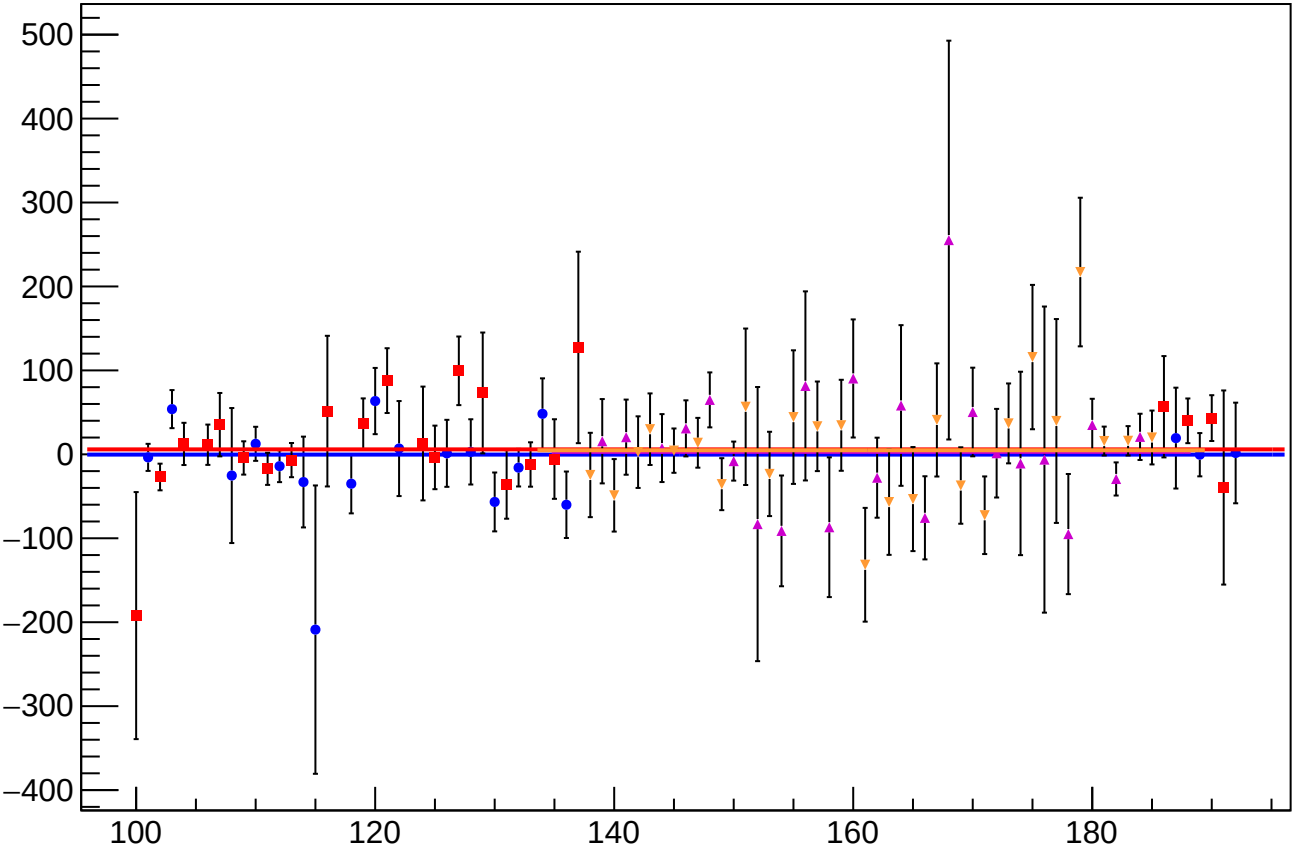
Right: 193.352+/-0.034 χ^2/NDF: 3783473.9/41

In: 186.185+/-0.027 χ^2/NDF:3304184.8/41

Out: 192.518+/-0.027 χ^2/NDF:4090237.2/47

All: 189.332+/-0.019 χ^2/NDF: 7422724.0/89

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: 5.909+/-6.332 χ^2/NDF: 28.0/22

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

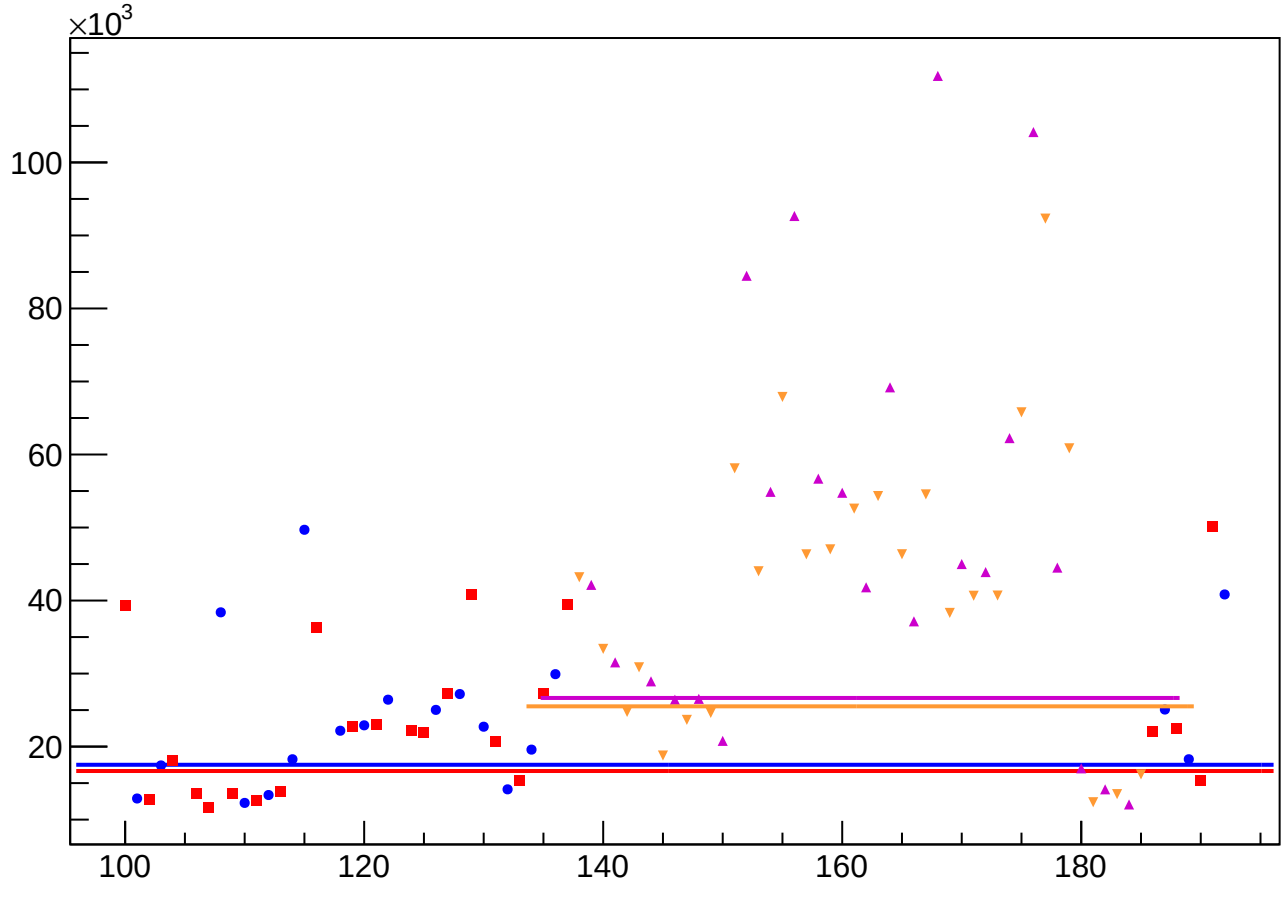
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 3.094+/-4.685 χ^2/NDF: 47.4/41

In: 0.925+/-5.470 χ^2/NDF:40.6/41

Out: 5.456+/-4.865 χ^2/NDF:52.3/47

All: 3.455+/-3.635 χ^2/NDF: 93.2/89



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: 16656.869+/-4.477 χ^2/NDF: 1545102.9/22

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

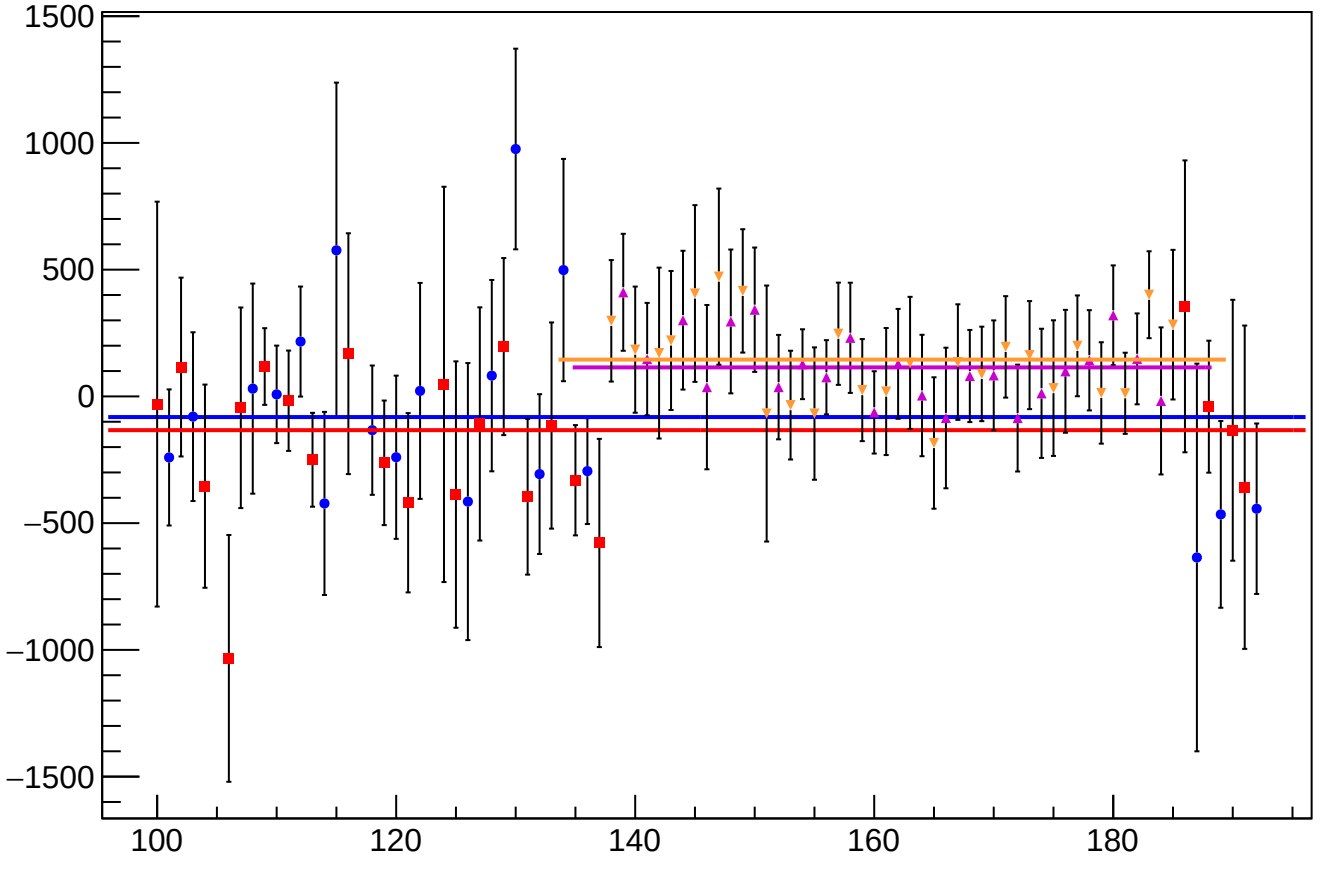
Right: 17043.164+/-3.313 χ^2/NDF: 3102063.0/41

In: 21014.428+/-3.868 χ^2/NDF:8745969.5/41

Out: 20284.857+/-3.440 χ^2/NDF:10890299.0/47

All: 20607.056+/-2.571 χ^2/NDF: 19656131.2/

asym_bcm_an_ds_mean vs Slug, Sign Corrected



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: -133.223+/-64.582 χ^2/NDF: 14.0/22

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

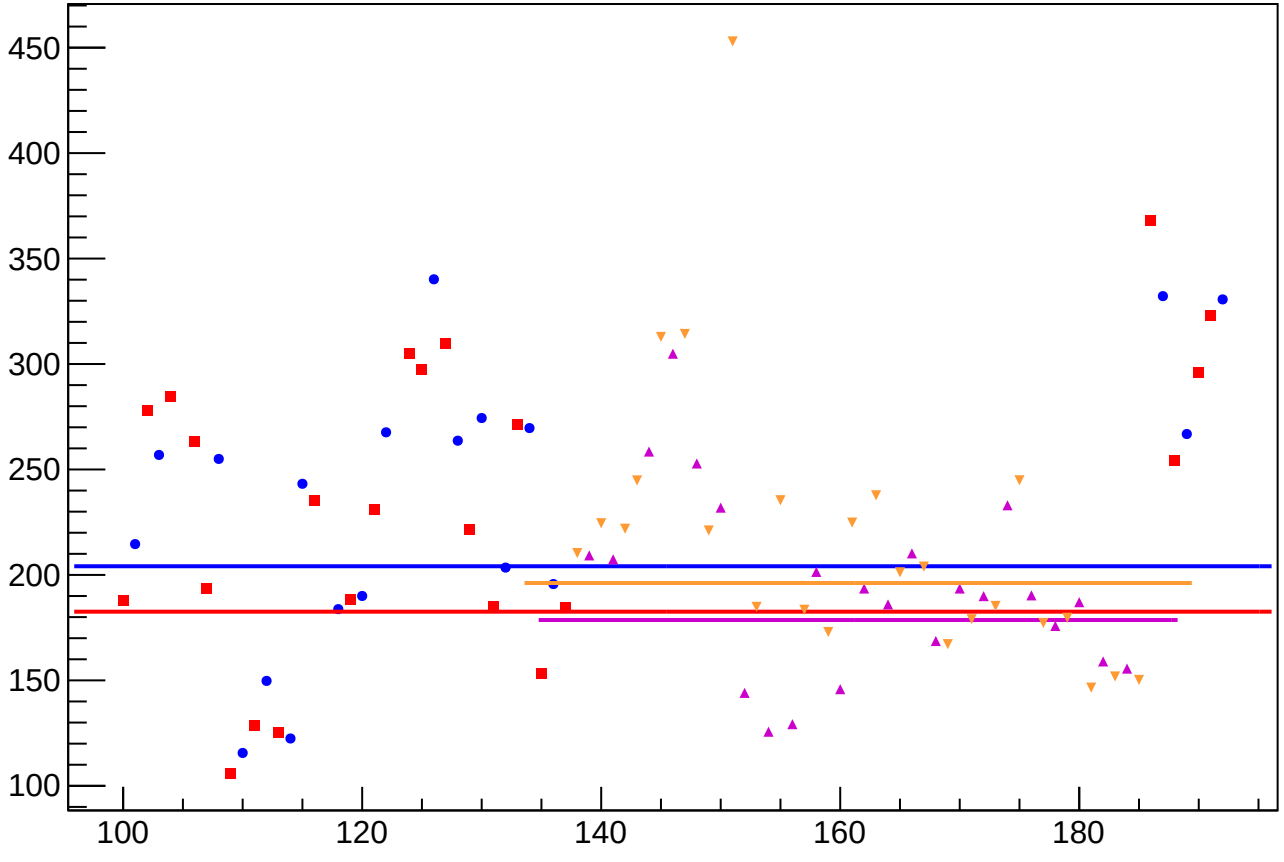
Right: -110.332+/-48.219 χ^2/NDF: 32.8/41

In: 62.317+/-37.374 χ^2/NDF:32.3/41

Out: 50.862+/-37.589 χ^2/NDF:37.5/47

All: 56.623+/-26.503 χ^2/NDF: 69.8/89

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: 182.575+/-0.046 χ^2/NDF: 2260167.1/22

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

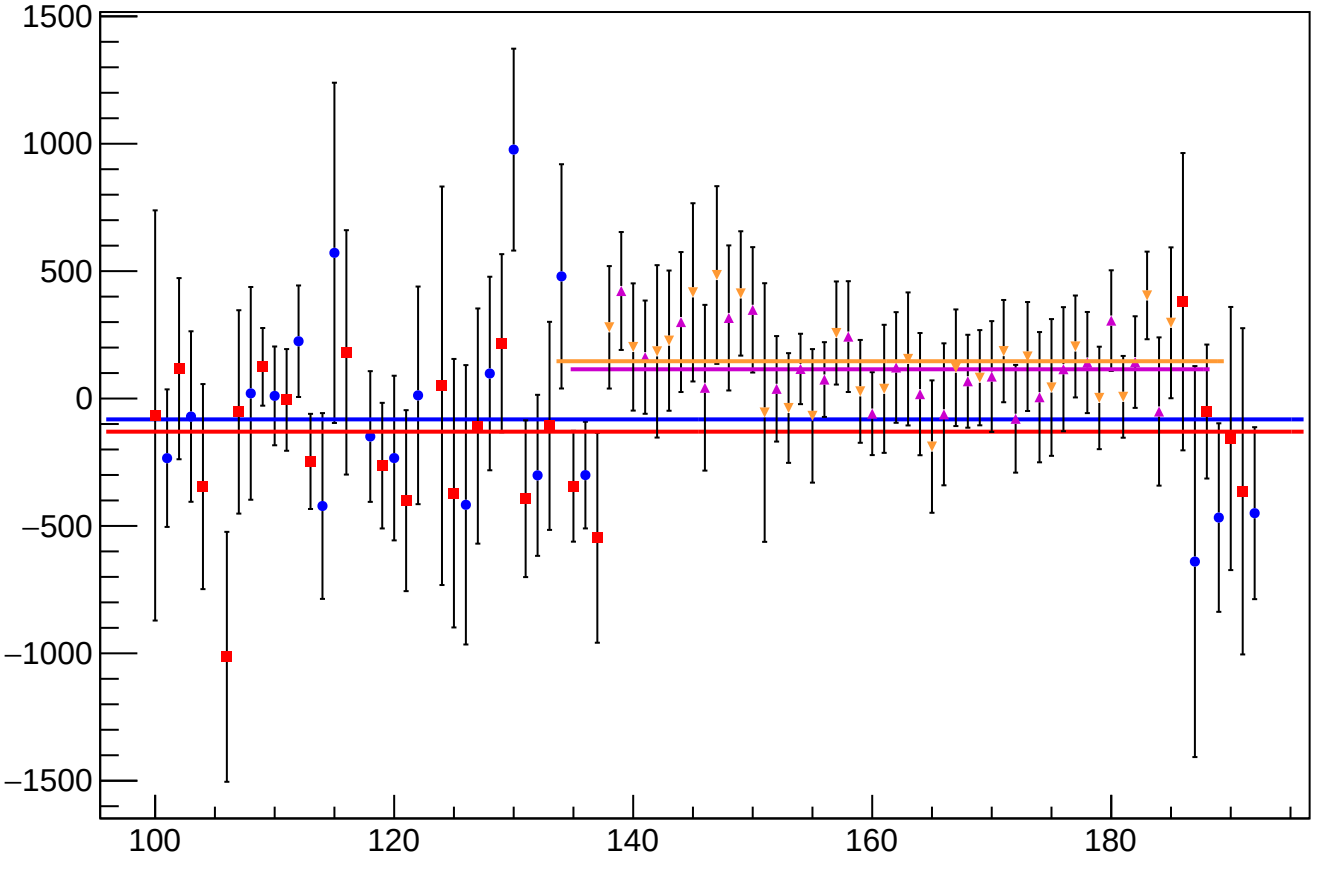
Right: 192.105+/-0.034 χ^2/NDF: 3843139.1/41

In: 185.397+/-0.026 χ^2/NDF:3318007.5/41

Out: 191.562+/-0.027 χ^2/NDF:4125599.7/47

All: 188.462+/-0.019 χ^2/NDF: 7470654.7/89

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: -130.059+/-64.961 χ^2/NDF: 13.9/22

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

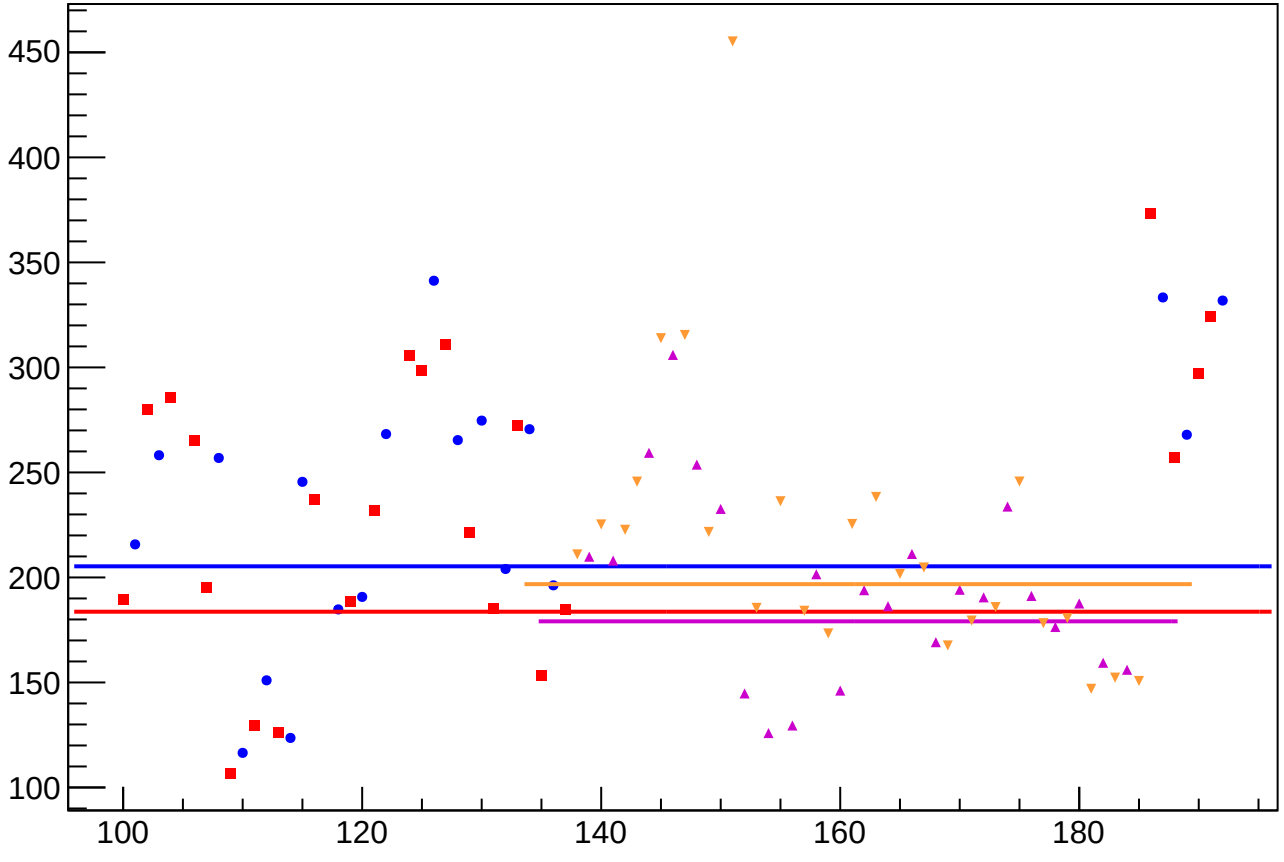
Right: -108.699+/-48.492 χ^2/NDF: 32.6/41

In: 62.730+/-37.503 χ^2/NDF:32.2/41

Out: 53.073+/-37.746 χ^2/NDF:37.3/47

All: 57.933+/-26.604 χ^2/NDF: 69.6/89

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: 183.684+/-0.046 χ^2/NDF: 2254223.8/22

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

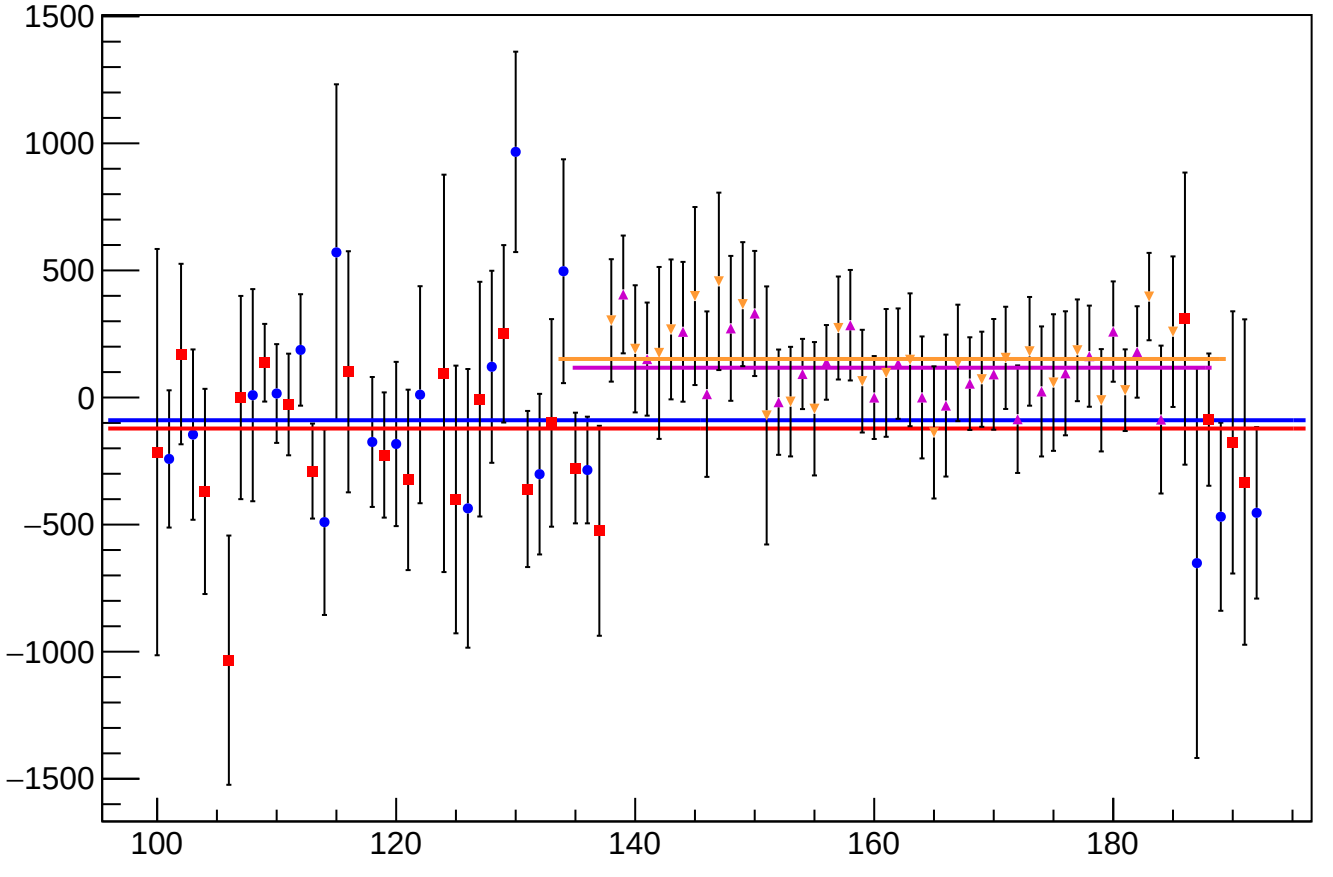
Right: 193.253+/-0.034 χ^2/NDF: 3822916.9/41

In: 186.038+/-0.027 χ^2/NDF:3316513.9/41

Out: 192.375+/-0.027 χ^2/NDF:4116879.2/47

All: 189.186+/-0.019 χ^2/NDF: 7461761.7/89

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: -122.048+/-64.946 χ^2/NDF: 13.6/22

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

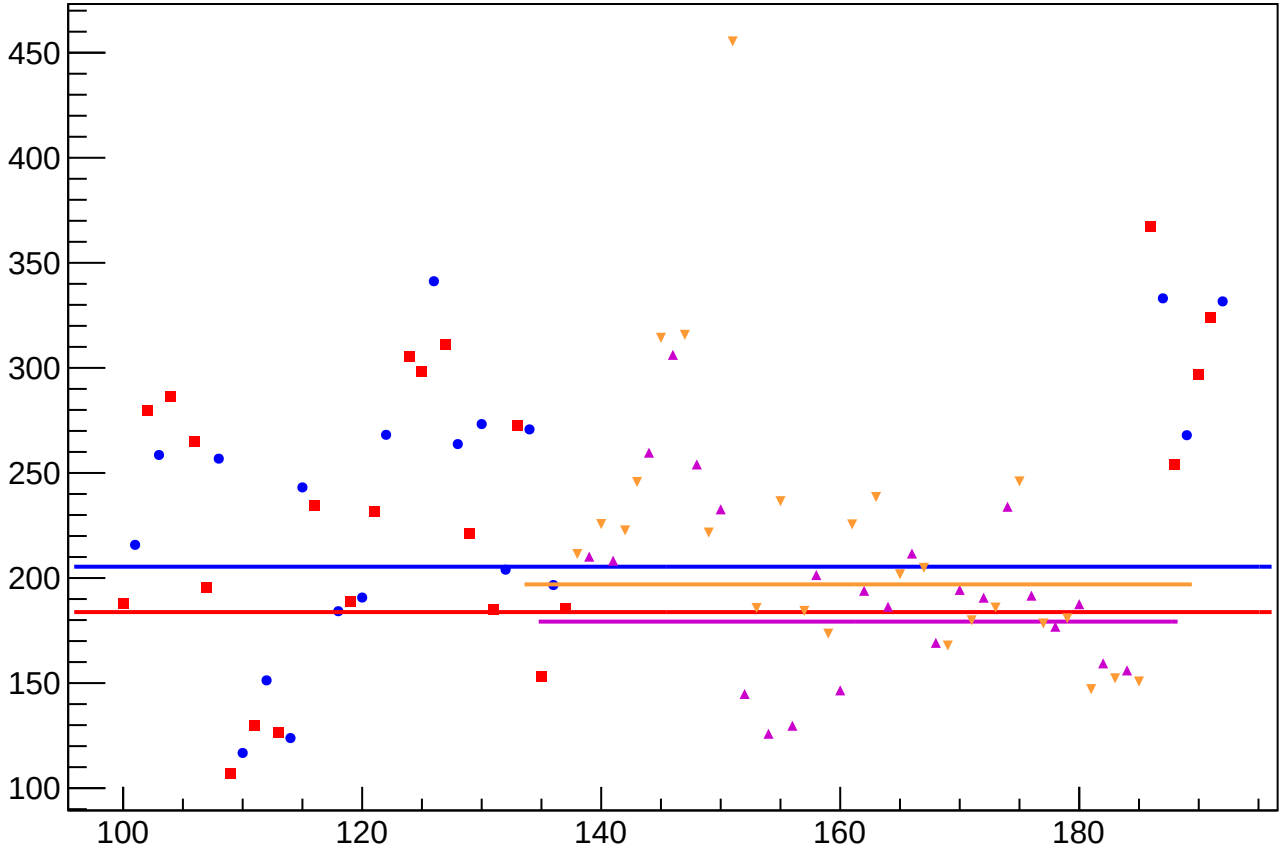
Right: -107.602+/-48.488 χ^2/NDF: 32.1/41

In: 62.392+/-37.528 χ^2/NDF:31.8/41

Out: 59.074+/-37.765 χ^2/NDF:34.9/47

All: 60.744+/-26.620 χ^2/NDF: 66.8/89

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: 183.793+/-0.046 χ^2/NDF: 2226394.4/22

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

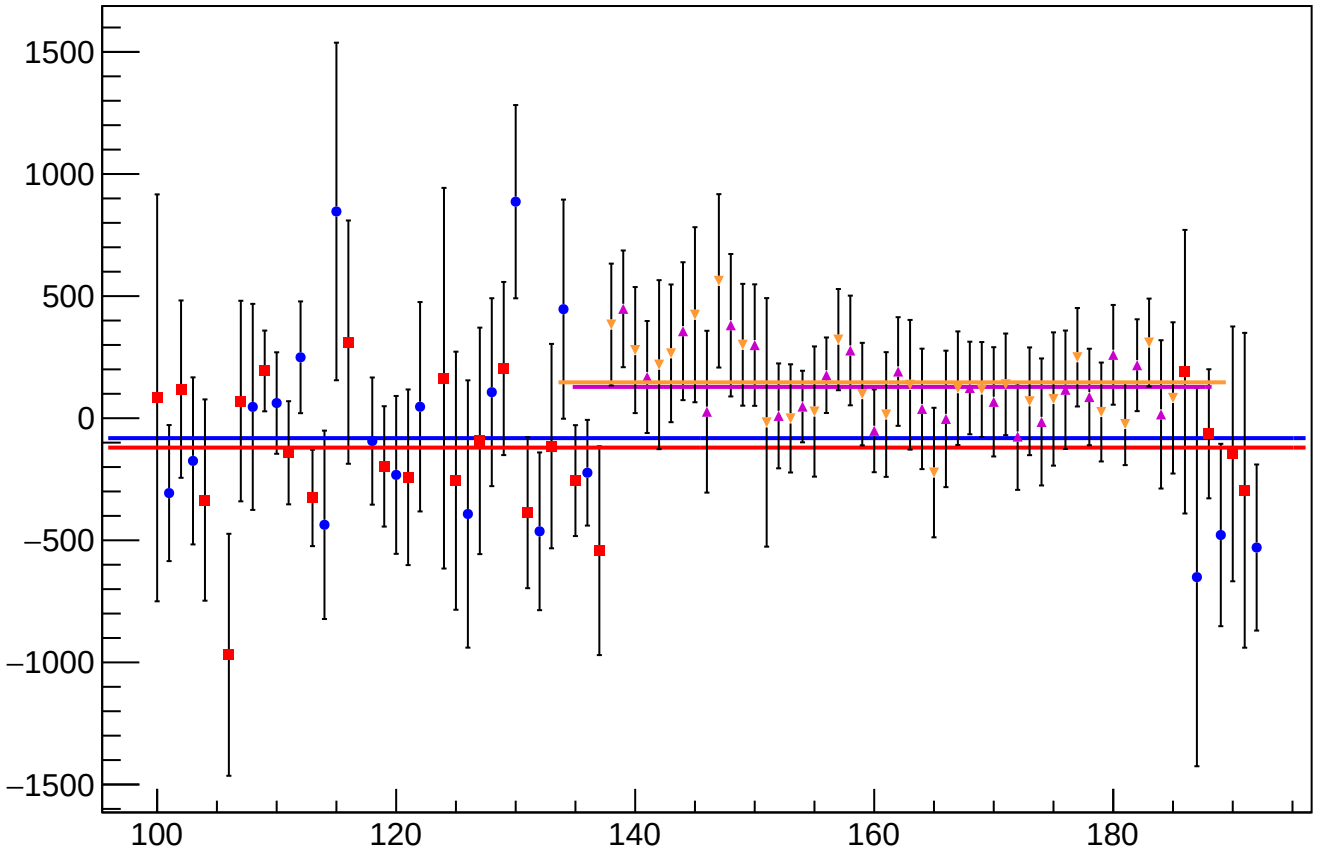
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 193.352+/-0.034 χ^2/NDF: 3783473.9/41

In: 186.185+/-0.027 χ^2/NDF:3304184.8/41

Out: 192.518+/-0.027 χ^2/NDF:4090237.2/47

All: 189.332+/-0.019 χ^2/NDF: 7422724.0/89



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: -120.376+/-67.417 χ^2/NDF: 13.1/22

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

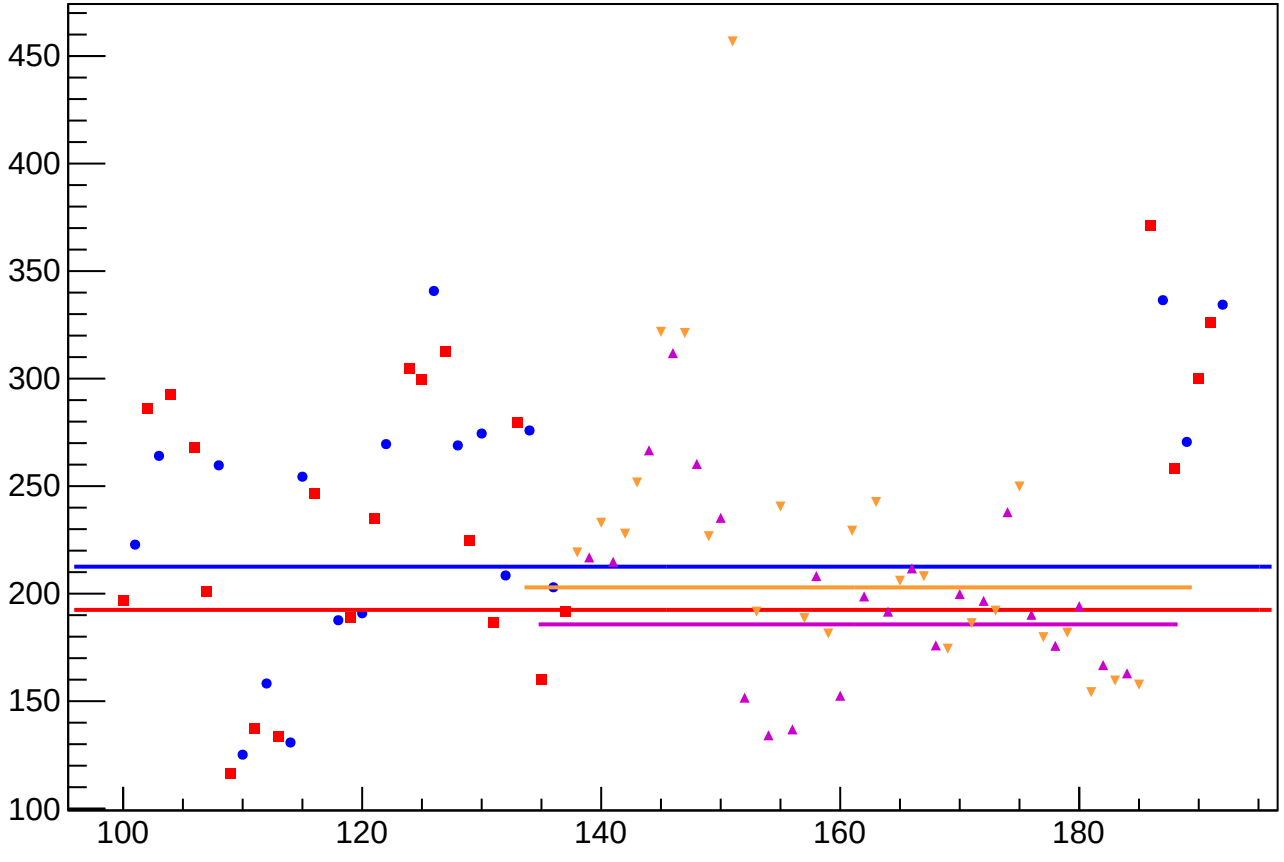
Right: -103.039+/-50.141 χ^2/NDF: 32.8/41

In: 72.288+/-38.714 χ^2/NDF:33.8/41

Out: 57.763+/-38.944 χ^2/NDF:33.8/47

All: 65.069+/-27.456 χ^2/NDF: 67.6/89

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: 192.454+/-0.048 χ^2/NDF: 1975373.7/22

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

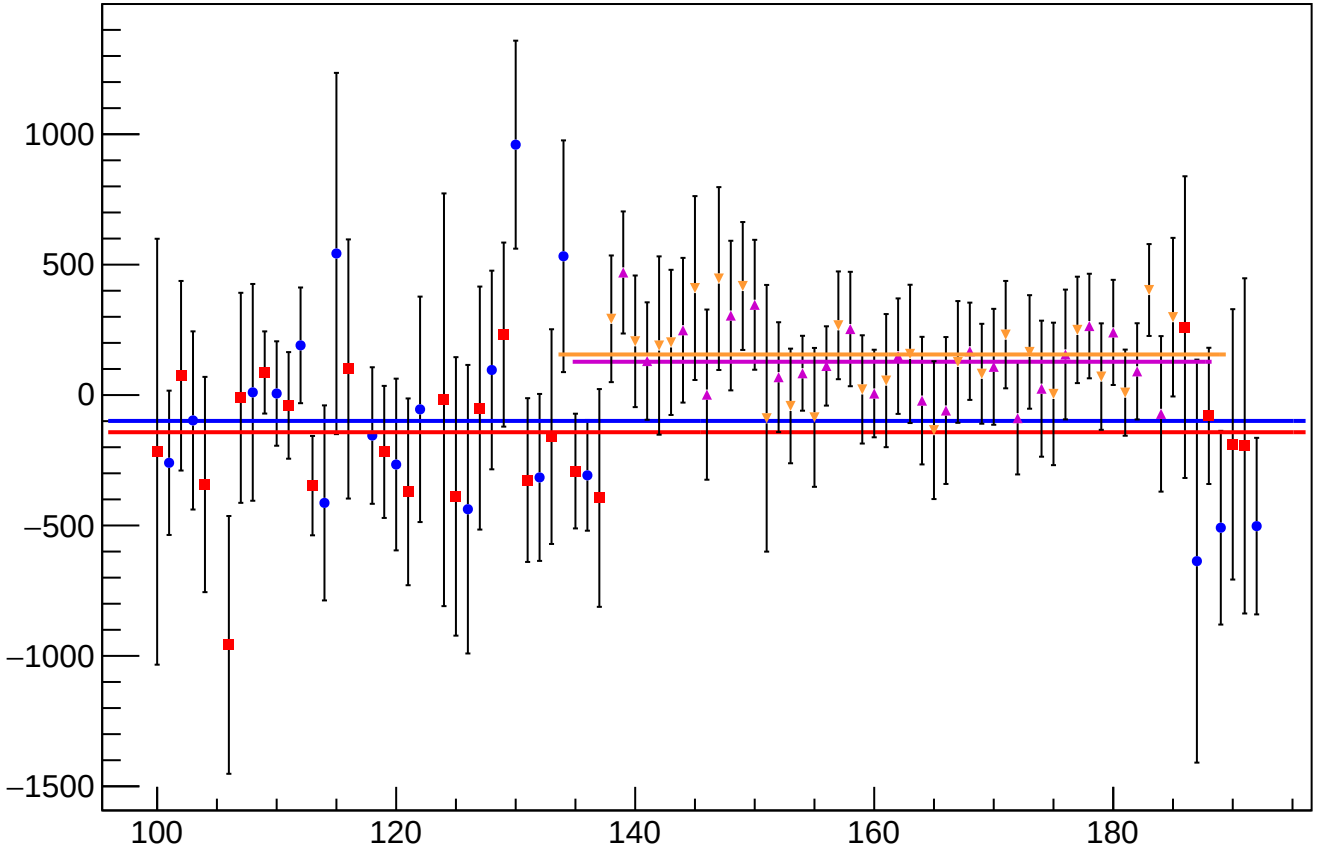
Right: 201.434+/-0.035 χ^2/NDF: 3356333.2/41

In: 192.864+/-0.027 χ^2/NDF:2978820.0/41

Out: 199.428+/-0.028 χ^2/NDF:3707605.2/47

All: 196.127+/-0.019 χ^2/NDF: 6714999.4/89

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: -142.455+/-66.161 χ^2/NDF: 10.8/22

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

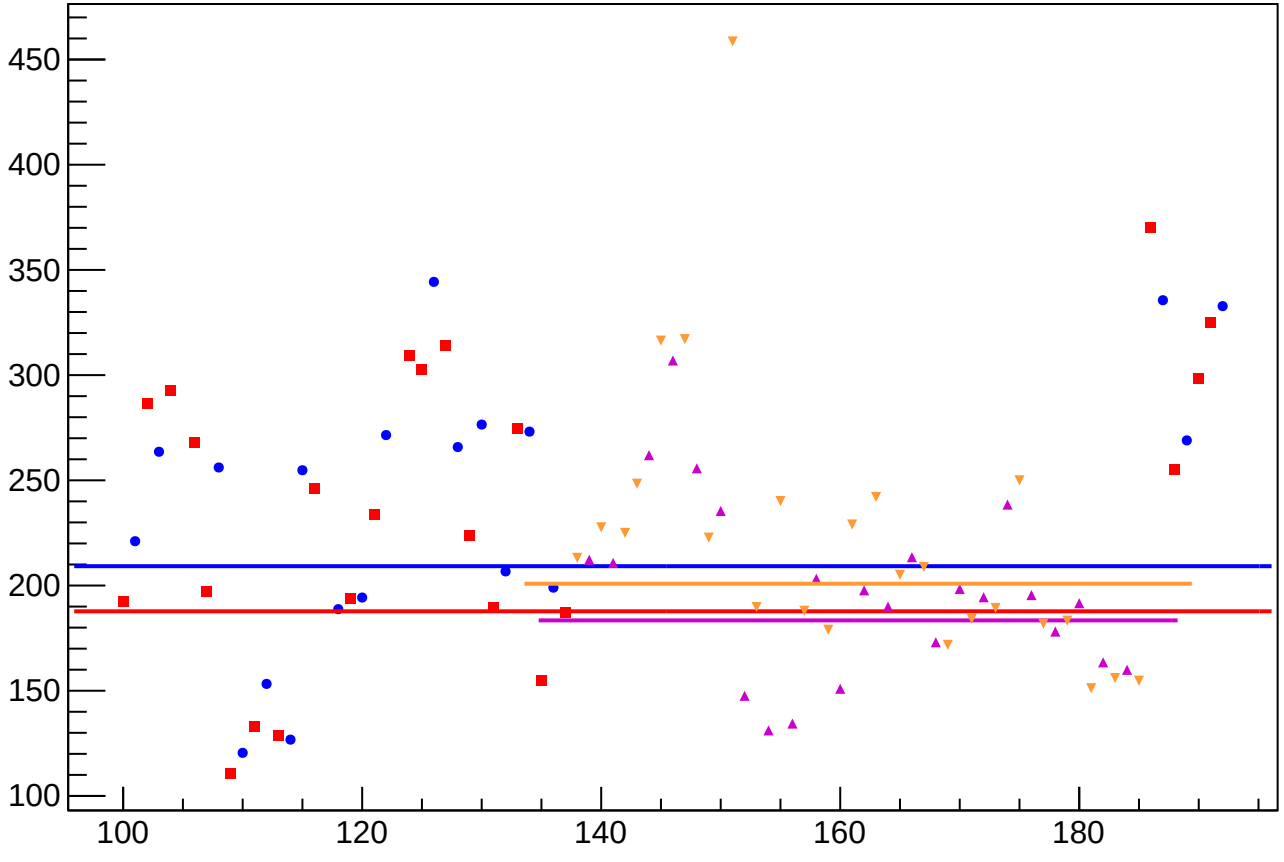
Right: -123.241+/-49.344 χ^2/NDF: 29.5/41

In: 67.116+/-38.270 χ^2/NDF:33.4/41

Out: 54.921+/-38.458 χ^2/NDF:34.9/47

All: 61.049+/-27.127 χ^2/NDF: 68.3/89

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: 187.749+/-0.047 χ^2/NDF: 2160805.8/22

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

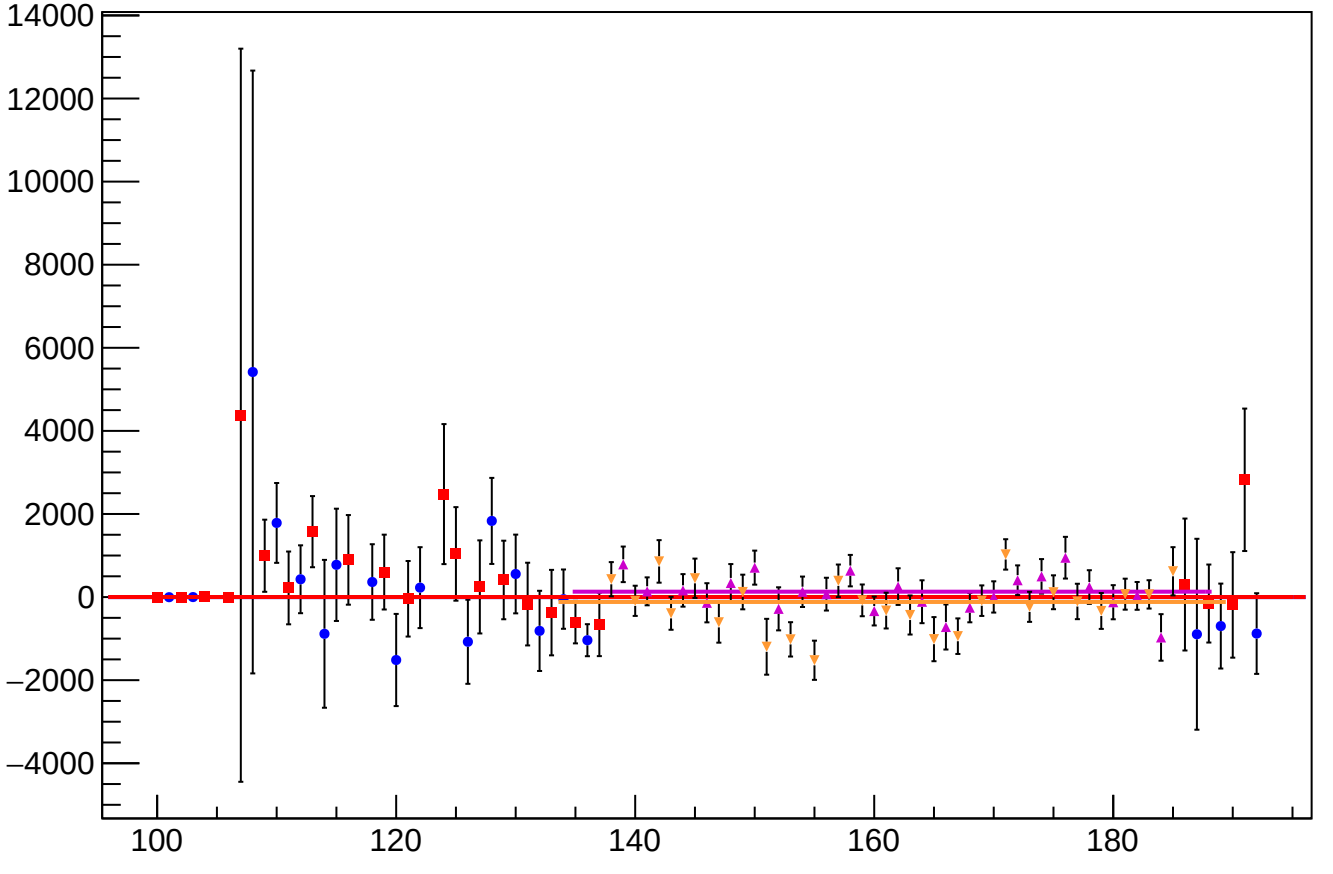
Right: 197.265+/-0.035 χ^2/NDF: 3656342.3/41

In: 190.310+/-0.027 χ^2/NDF:3110294.9/41

Out: 196.433+/-0.027 χ^2/NDF:3940251.6/47

All: 193.356+/-0.019 χ^2/NDF: 7076021.2/89

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: 1.381+/-2.022 χ^2/NDF: 19.6/22

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

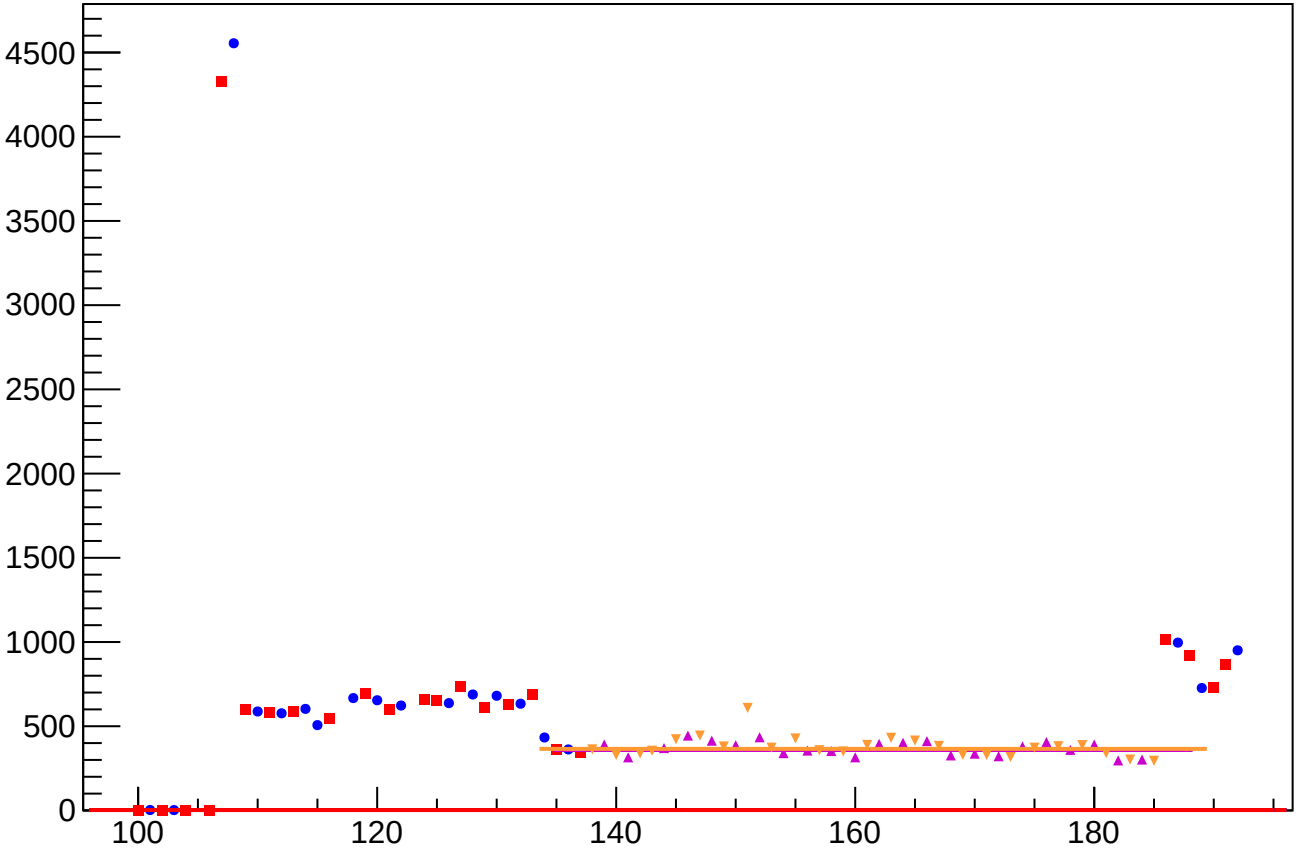
Right: 0.160+/-1.480 χ^2/NDF: 41.8/41

In: -1.162+/-2.170 χ^2/NDF:45.4/41

Out: 1.312+/-2.022 χ^2/NDF:68.0/47

All: 0.162+/-1.479 χ^2/NDF: 114.1/89

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: 2.471+/-0.001 χ^2/NDF: 15417043.4/22

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

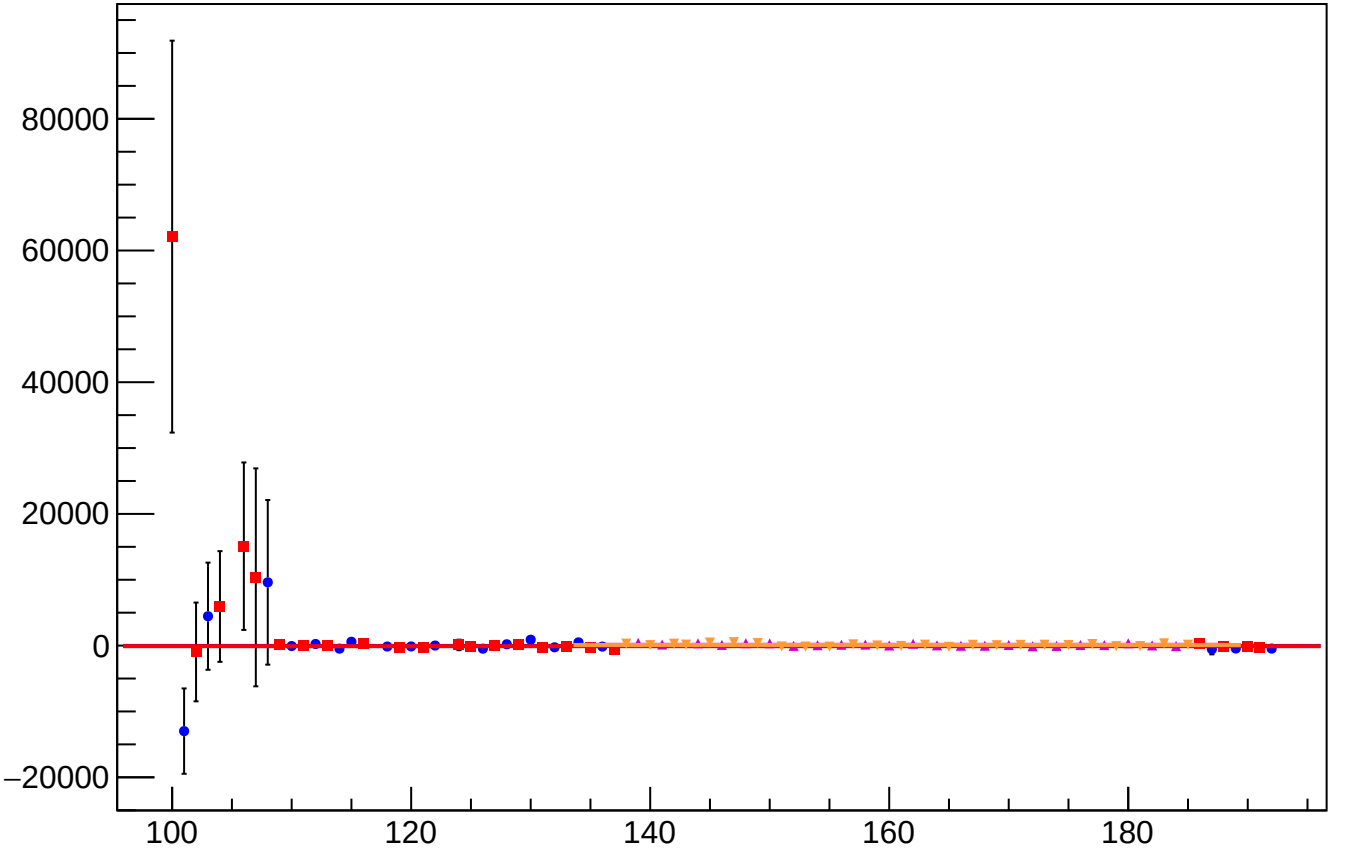
Right: 2.478+/-0.001 χ^2/NDF: 30330095.4/41

In: 2.718+/-0.002 χ^2/NDF:50463482.9/41

Out: 2.680+/-0.001 χ^2/NDF:53256386.3/47

All: 2.698+/-0.001 χ^2/NDF: 103720183.0/89

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: -87.116+/-75.994 χ^2/NDF: 15.5/22

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

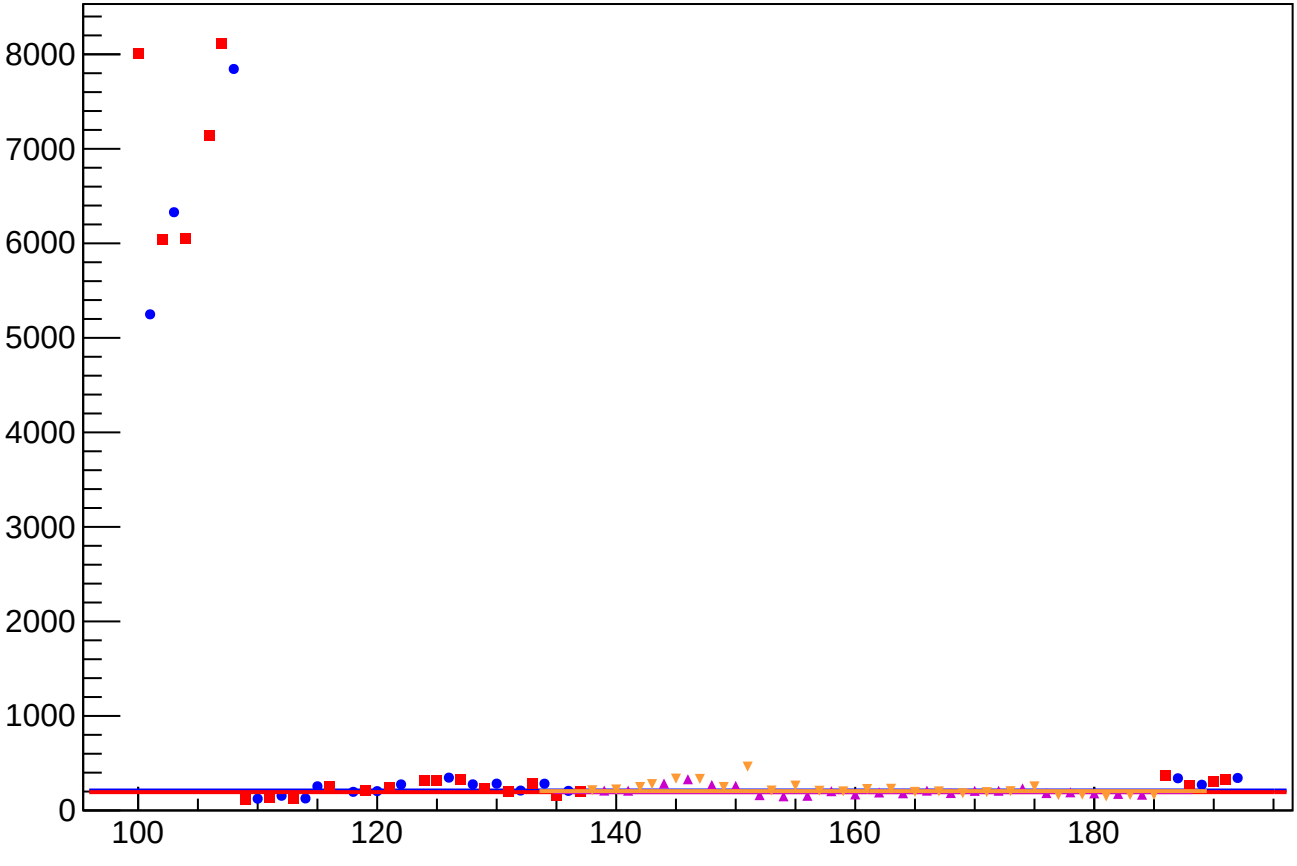
Right: -71.053+/-55.927 χ^2/NDF: 35.6/41

In: 77.481+/-40.822 χ^2/NDF:32.5/41

Out: 45.957+/-40.733 χ^2/NDF:32.6/47

All: 61.684+/-28.834 χ^2/NDF: 65.4/89

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: 193.758+/-0.054 χ^2/NDF: 4967191.4/22

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

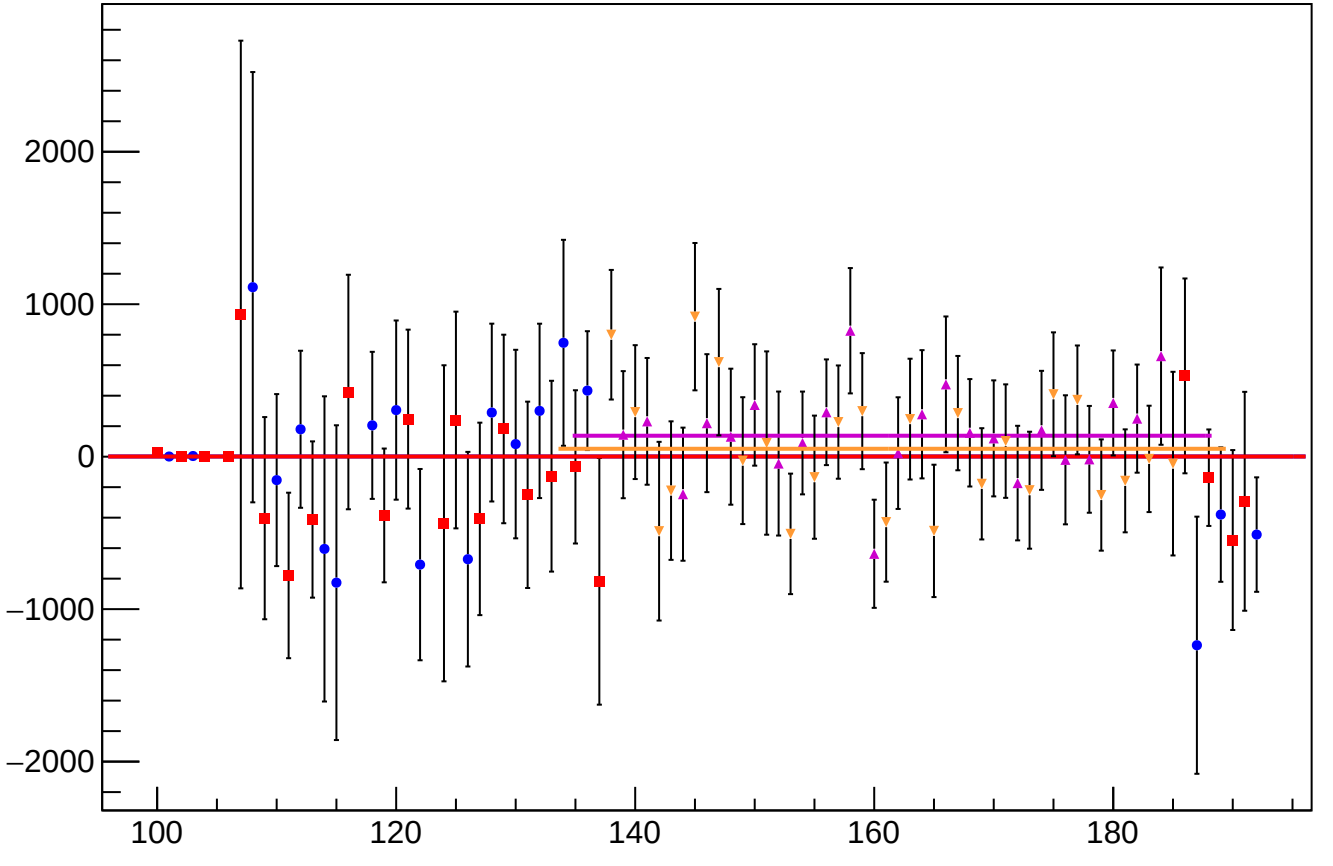
Right: 201.650+/-0.040 χ^2/NDF: 9414093.5/41

In: 198.066+/-0.029 χ^2/NDF:5656057.6/41

Out: 201.472+/-0.029 χ^2/NDF:6971216.9/47

All: 199.773+/-0.020 χ^2/NDF: 12634247.7/89

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: 1.088+/-1.528 χ^2/NDF: 11.1/22

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

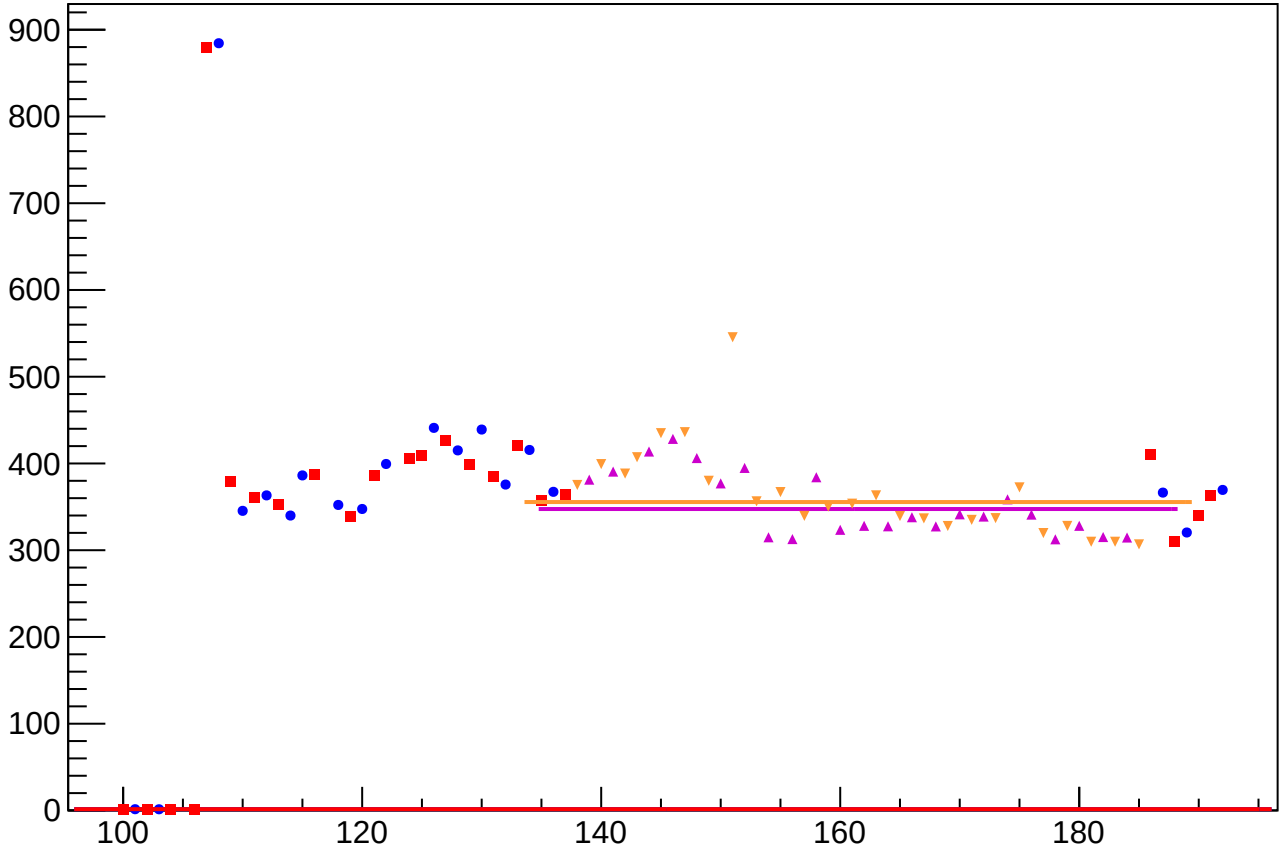
Right: 1.247+/-1.124 χ^2/NDF: 23.7/41

In: 1.491+/-1.660 χ^2/NDF:27.6/41

Out: 1.106+/-1.528 χ^2/NDF:30.9/47

All: 1.283+/-1.124 χ^2/NDF: 58.5/89

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: 1.481+/-0.001 χ^2/NDF: 15153821.7/22

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

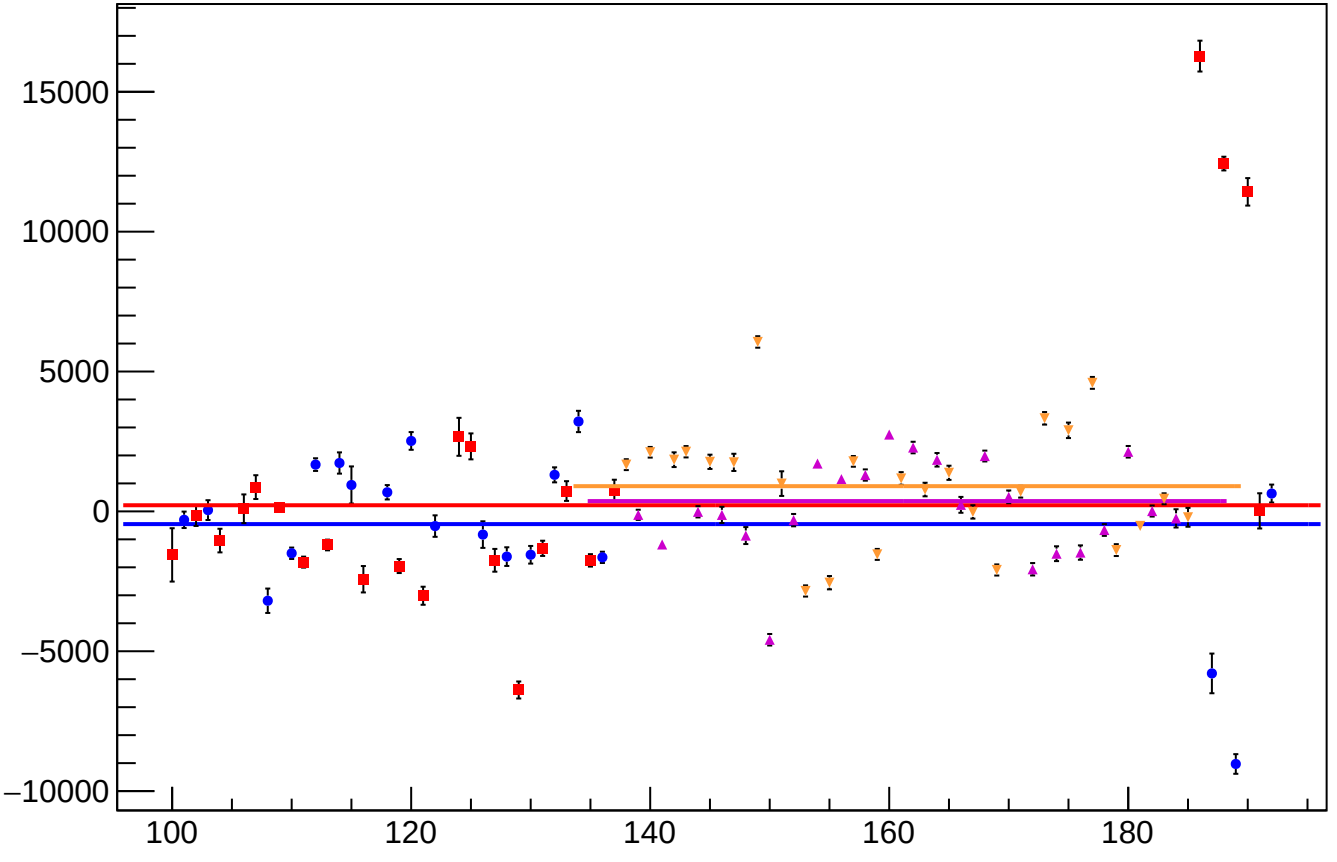
Right: 1.482+/-0.001 χ^2/NDF: 30232317.6/41

In: 1.625+/-0.001 χ^2/NDF:50921073.1/41

Out: 1.605+/-0.001 χ^2/NDF:53363259.3/47

All: 1.614+/-0.001 χ^2/NDF: 104284488.4/89

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: 219.234+/-65.029 χ^2/NDF: 4874.8/22

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

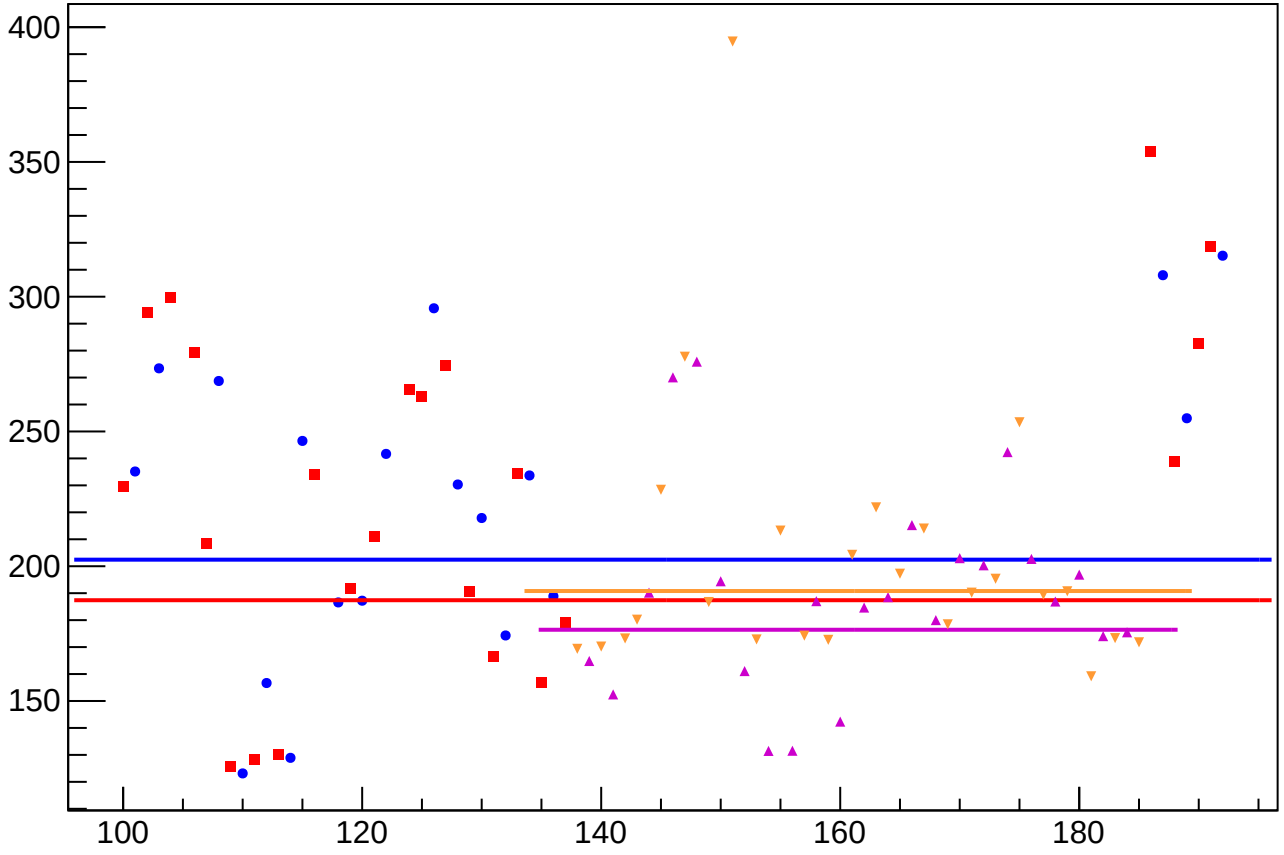
Right: -88.024+/-47.970 χ^2/NDF: 6084.6/41

In: 149.859+/-36.599 χ^2/NDF:2852.4/41

Out: 684.014+/-36.714 χ^2/NDF:7360.8/47

All: 416.098+/-25.920 χ^2/NDF: 10319.4/89

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: 187.389+/-0.046 χ^2/NDF: 1701410.4/22

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

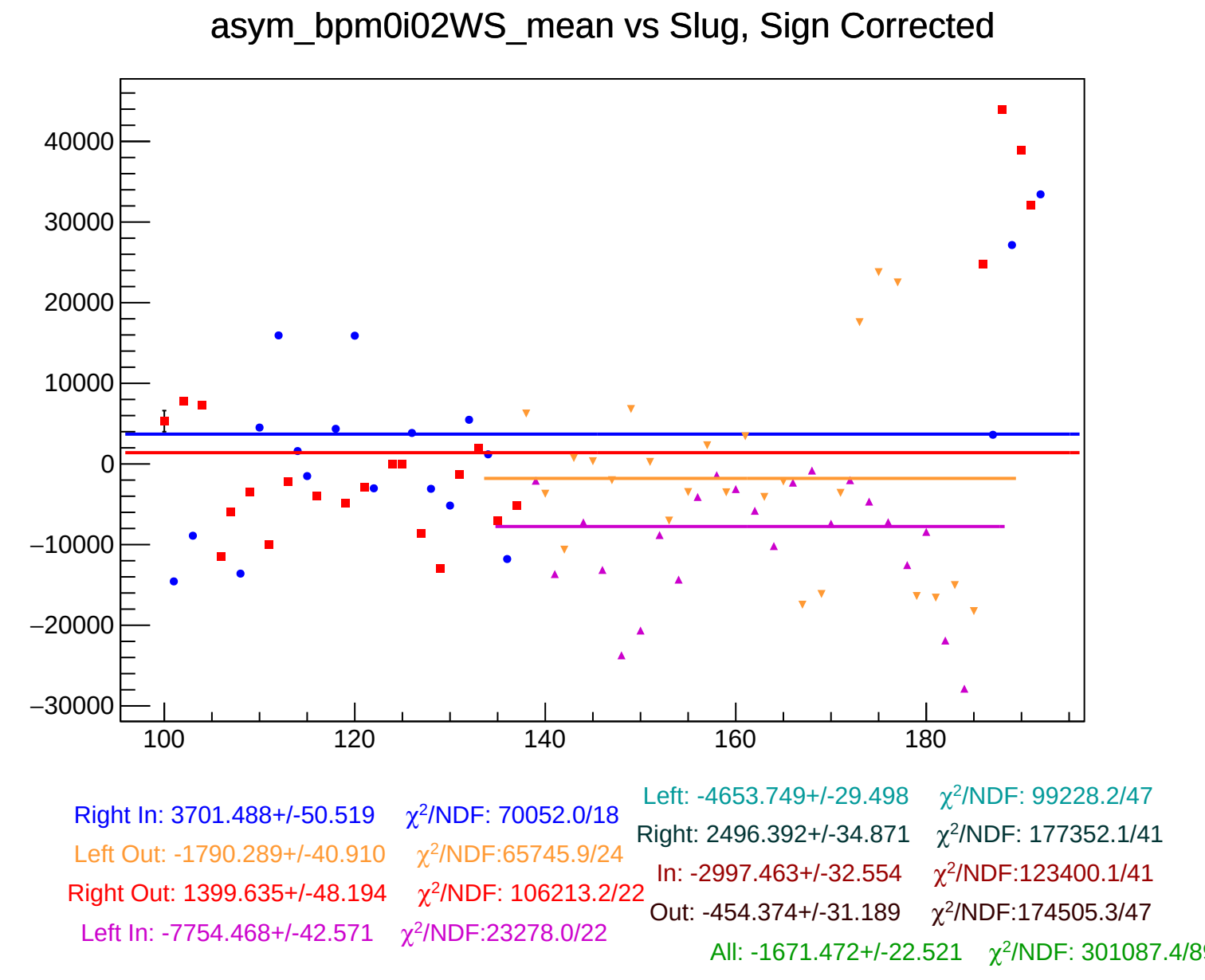
Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

Right: 194.247+/-0.034 χ^2/NDF: 2879331.8/41

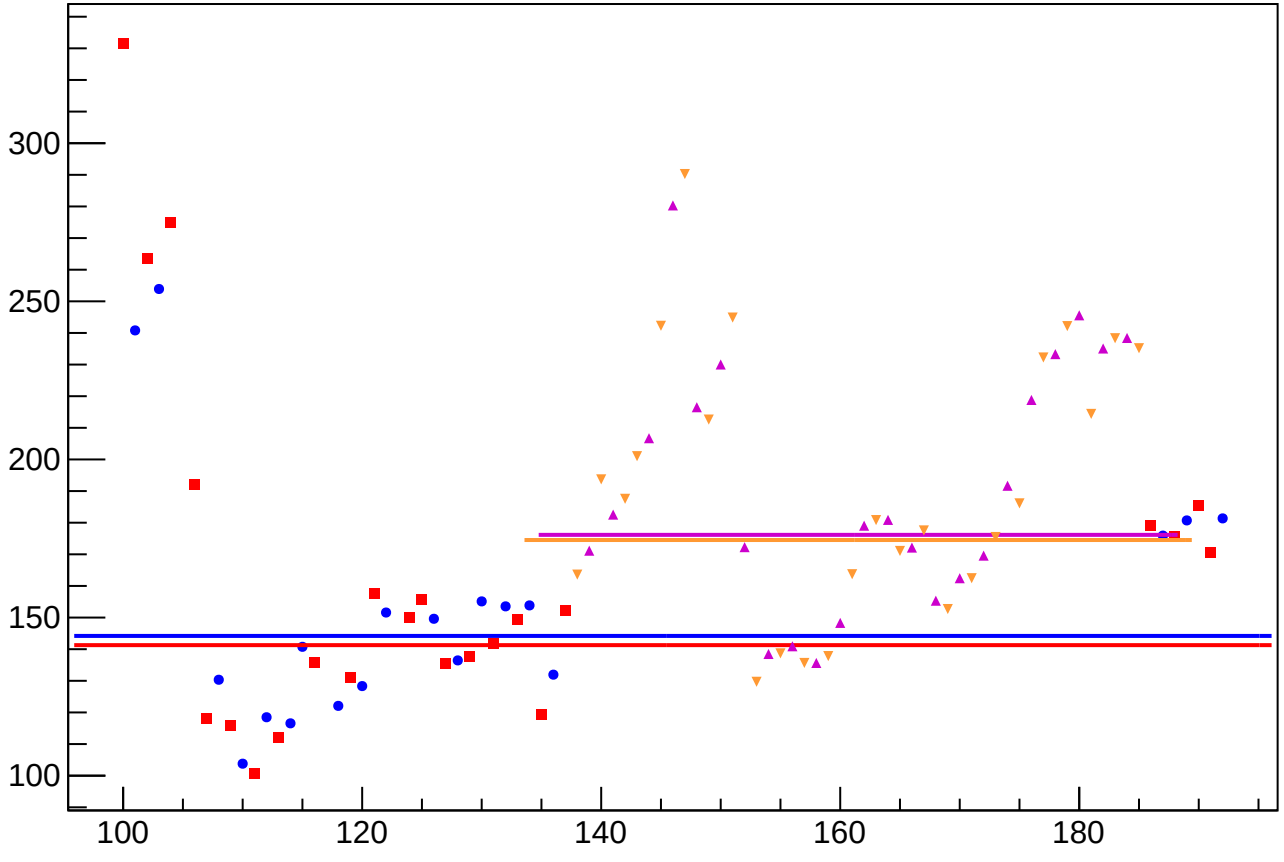
In: 183.331+/-0.026 χ^2/NDF:2583583.1/41

Out: 189.713+/-0.026 χ^2/NDF:2724760.3/47

All: 186.512+/-0.018 χ^2/NDF: 5338658.6/89


asym_bpm0i02WS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
Right In: 3701.488+/-50.519 χ²/NDF: 70052.0/18
Left Out: -1790.289+/-40.910 χ²/NDF:65745.9/24
Right Out: 1399.635+/-48.194 χ²/NDF: 106213.2/22
Left In: -7754.468+/-42.571 χ²/NDF:23278.0/22
Left: -4653.749+/-29.498 χ²/NDF: 99228.2/47
Right: 2496.392+/-34.871 χ²/NDF: 177352.1/41
In: -2997.463+/-32.554 χ²/NDF:123400.1/41
Out: -454.374+/-31.189 χ²/NDF:174505.3/47
All: -1671.472+/-22.521 χ²/NDF: 301087.4/8

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: 141.280+/-0.034 χ^2/NDF: 1078491.2/22

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

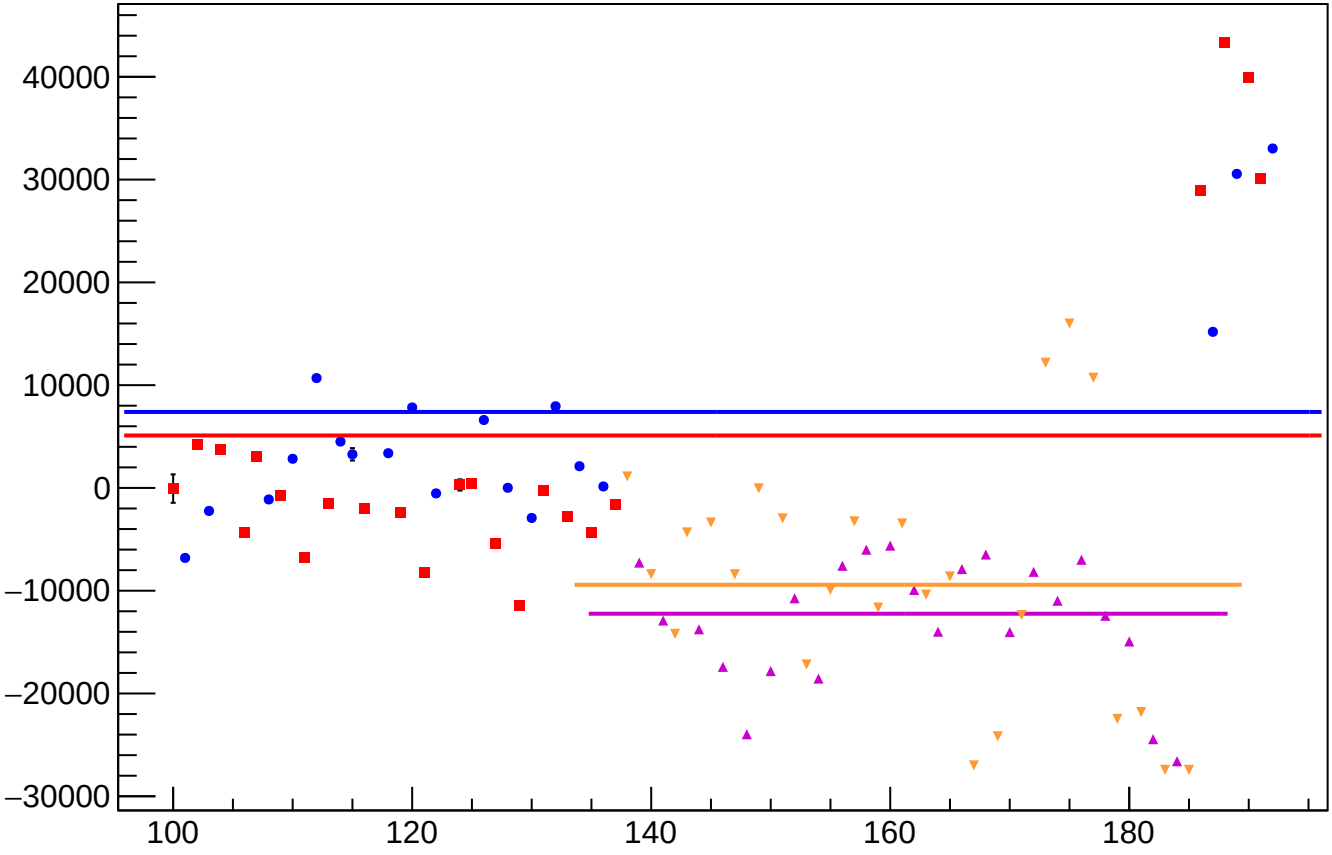
Right: 142.670+/-0.025 χ^2/NDF: 1896171.5/41

In: 162.884+/-0.023 χ^2/NDF:2649275.6/41

Out: 160.600+/-0.022 χ^2/NDF:3290923.8/47

All: 161.693+/-0.016 χ^2/NDF: 5945334.1/89

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: 5103.221+/-58.463 χ^2/NDF: 84614.5/22

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

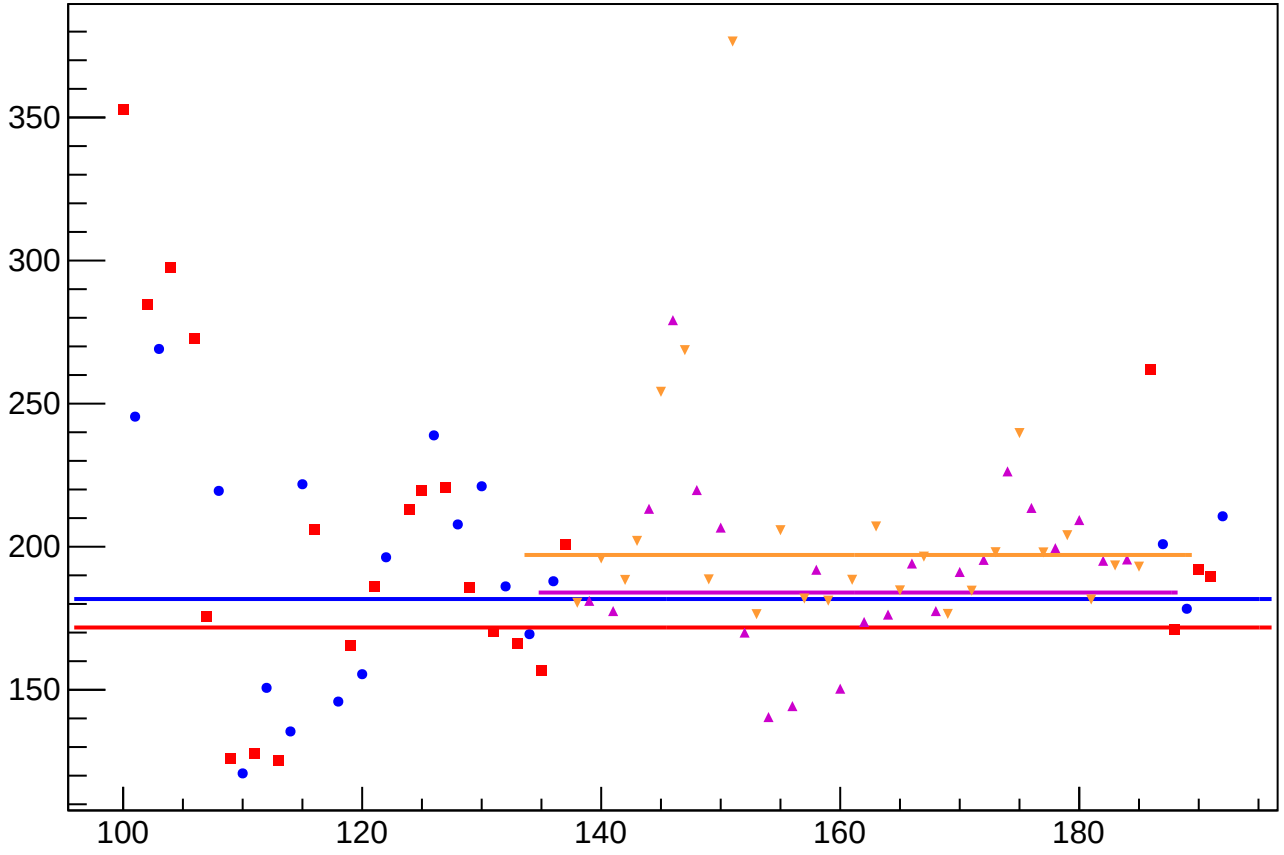
Right: 6161.464+/-42.876 χ^2/NDF: 117400.3/41

In: -5773.570+/-36.194 χ^2/NDF:113073.8/41

Out: -3911.981+/-36.004 χ^2/NDF:187641.2/47

All: -4837.886+/-25.525 χ^2/NDF: 302044.7/8

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: 171.775+/-0.041 χ^2/NDF: 1094041.7/22

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

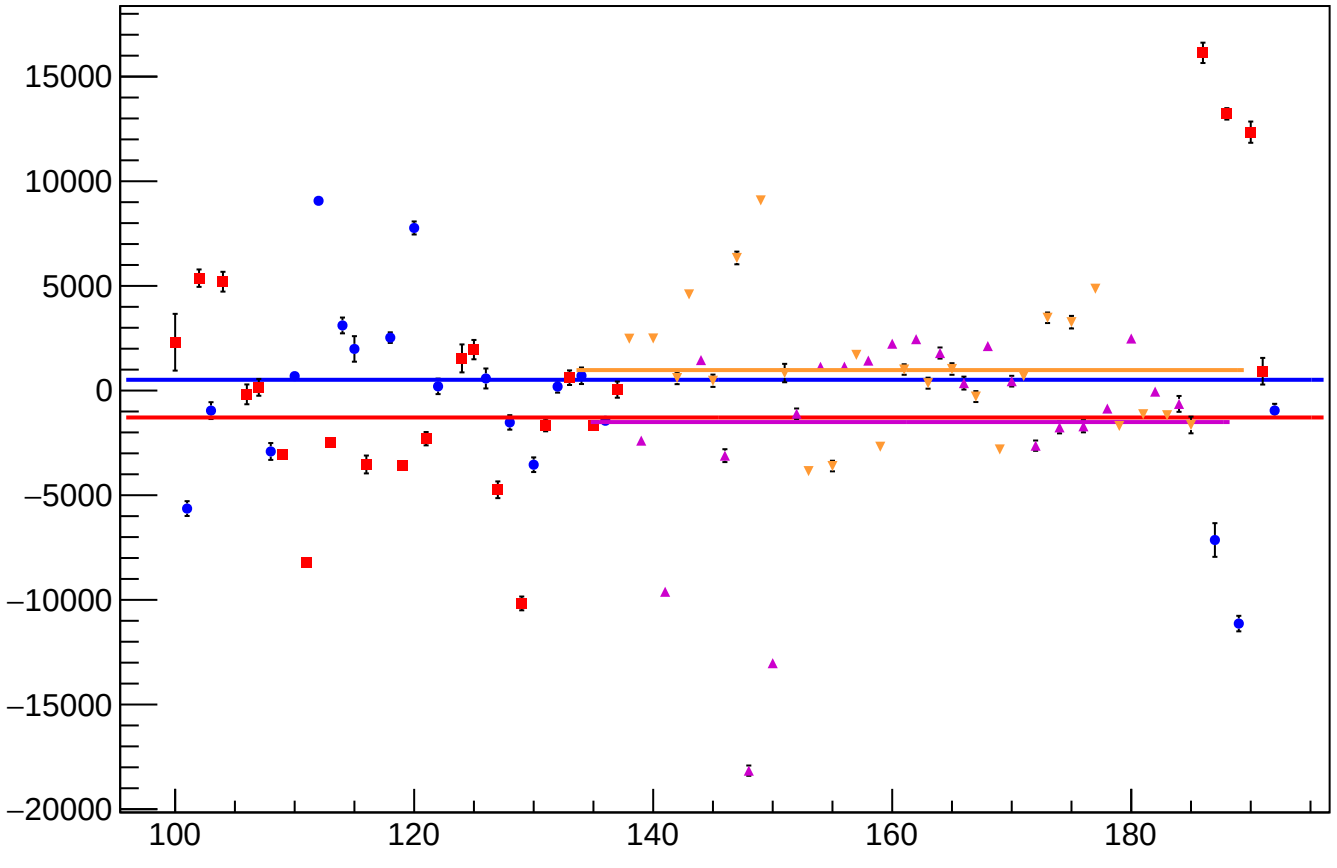
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 176.371+/-0.030 χ^2/NDF: 1839797.4/41

In: 183.240+/-0.026 χ^2/NDF:1550509.5/41

Out: 187.509+/-0.025 χ^2/NDF:2059948.0/47

All: 185.385+/-0.018 χ^2/NDF: 3624443.6/89



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: -1285.938+/-65.492 χ^2/NDF: 7790.2/22

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

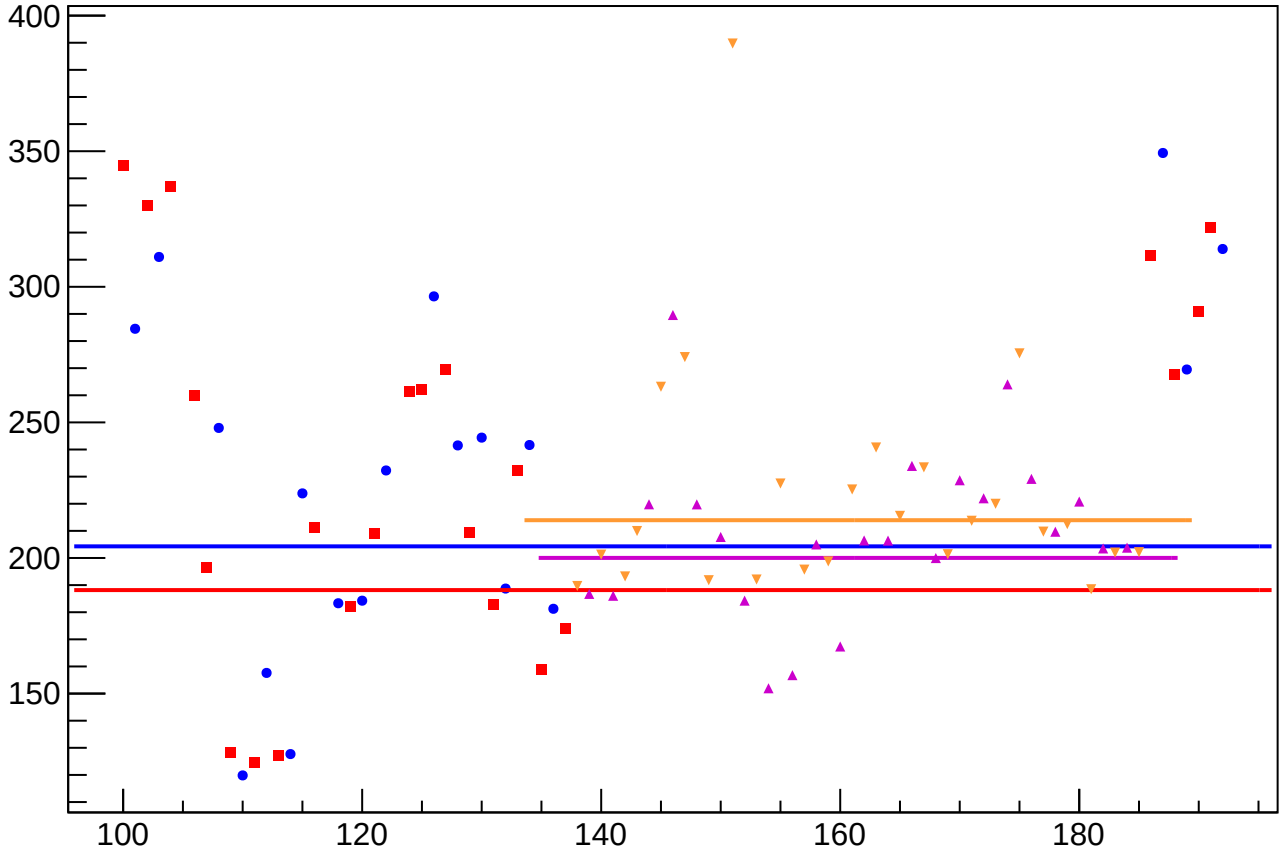
Right: -473.008+/-48.502 χ^2/NDF: 11954.8/41

In: -884.935+/-39.998 χ^2/NDF:15846.4/41

Out: 152.924+/-39.544 χ^2/NDF:12872.7/47

All: -360.079+/-28.121 χ^2/NDF: 29059.7/89

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: 188.164+/-0.046 χ^2/NDF: 1877824.0/22

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

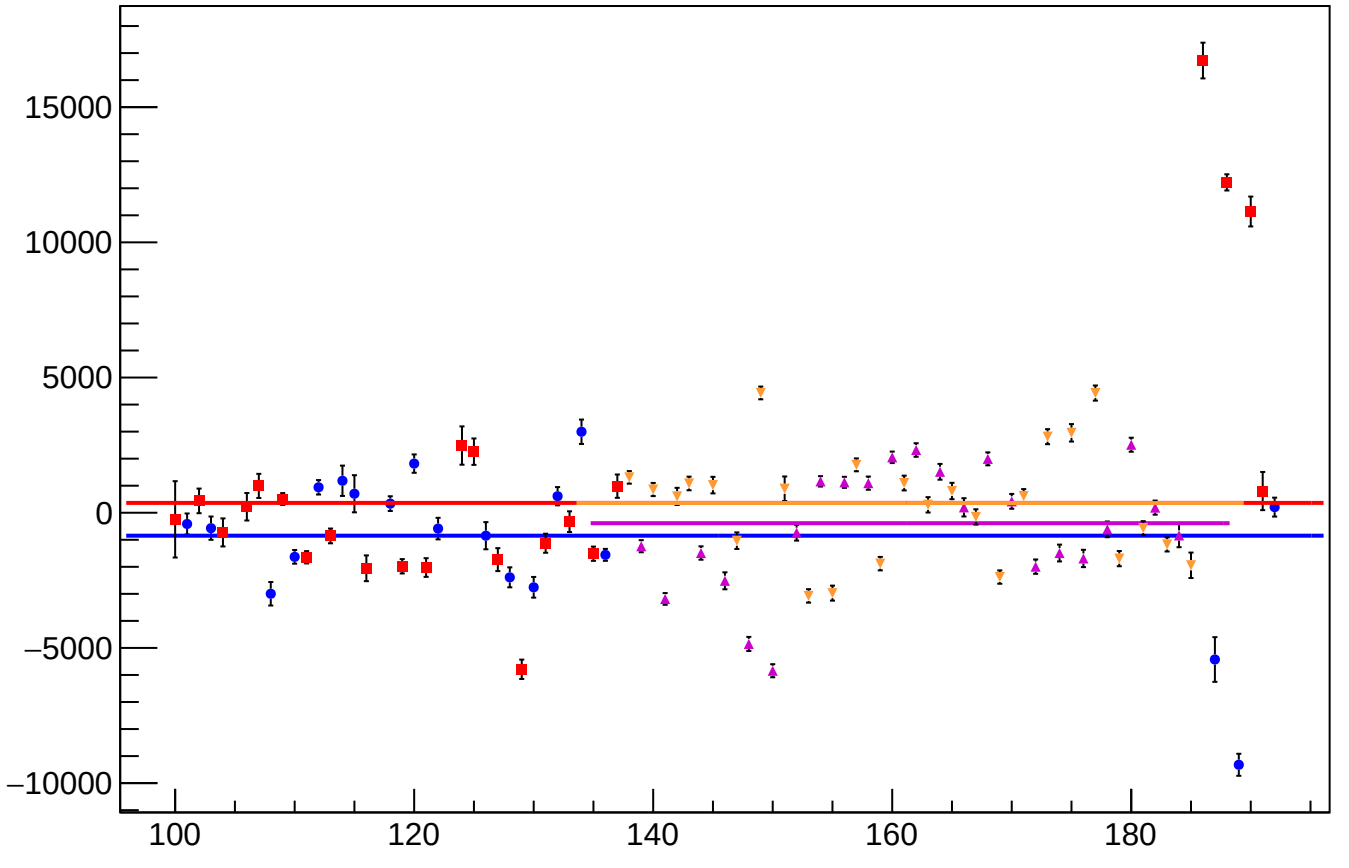
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 195.445+/-0.034 χ^2/NDF: 3297511.0/41

In: 201.338+/-0.028 χ^2/NDF:2155289.1/41

Out: 204.537+/-0.028 χ^2/NDF:2808187.5/47

All: 202.956+/-0.020 χ^2/NDF: 4969946.6/89



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: 363.876+/-76.396 χ^2/NDF: 3235.8/22

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

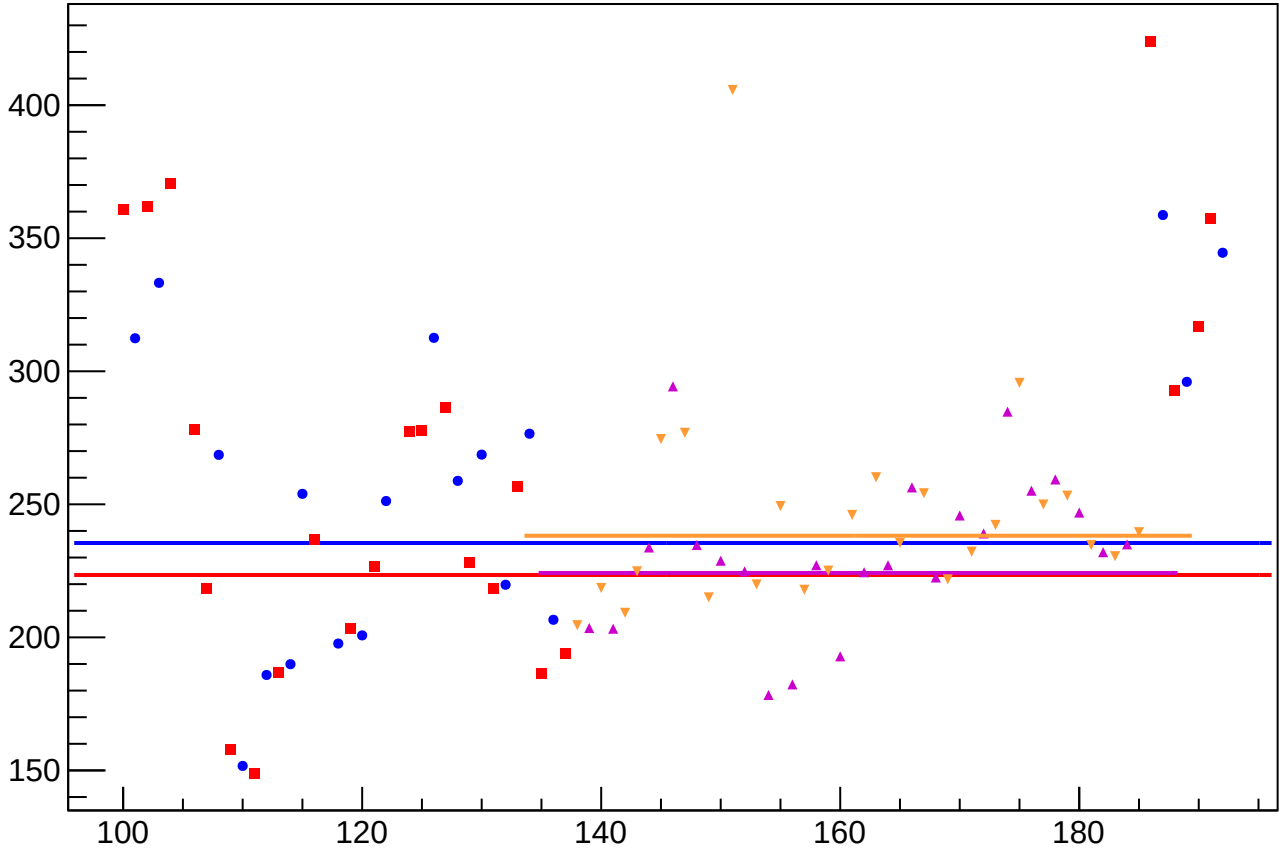
Right: -199.627+/-55.896 χ^2/NDF: 4149.2/41

In: -524.950+/-44.823 χ^2/NDF:2622.7/41

Out: 360.454+/-44.631 χ^2/NDF:4654.7/47

All: -80.351+/-31.627 χ^2/NDF: 7473.3/89

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: 223.443+/-0.054 χ^2/NDF: 1396374.0/22

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

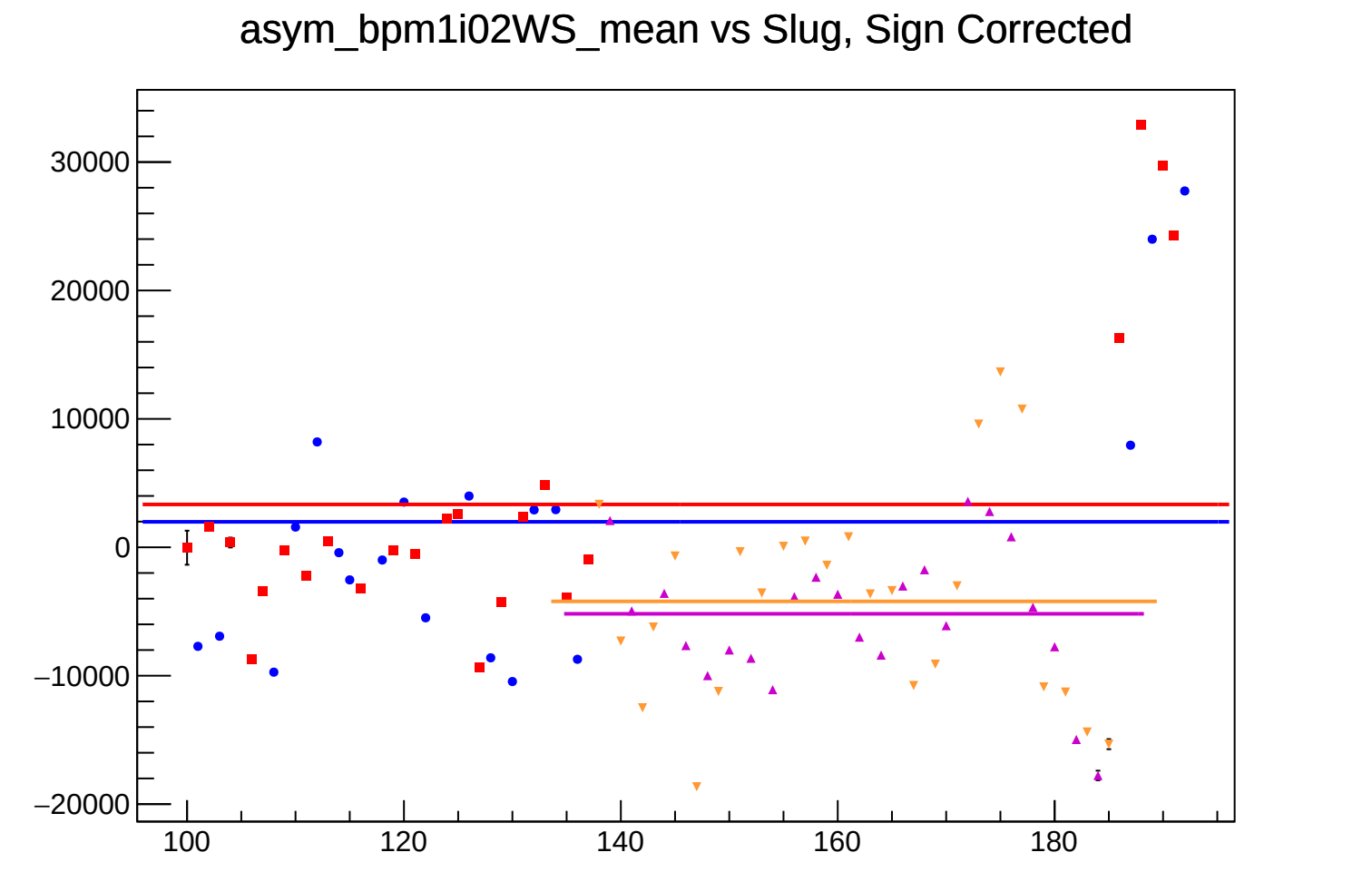
Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

Right: 229.030+/-0.040 χ^2/NDF: 2386275.5/41

In: 227.575+/-0.032 χ^2/NDF:1556530.0/41

Out: 233.163+/-0.032 χ^2/NDF:2013462.1/47

All: 230.381+/-0.022 χ^2/NDF: 3585600.8/89



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: 3338.017+/-40.924 χ^2/NDF: 80268.8/22

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

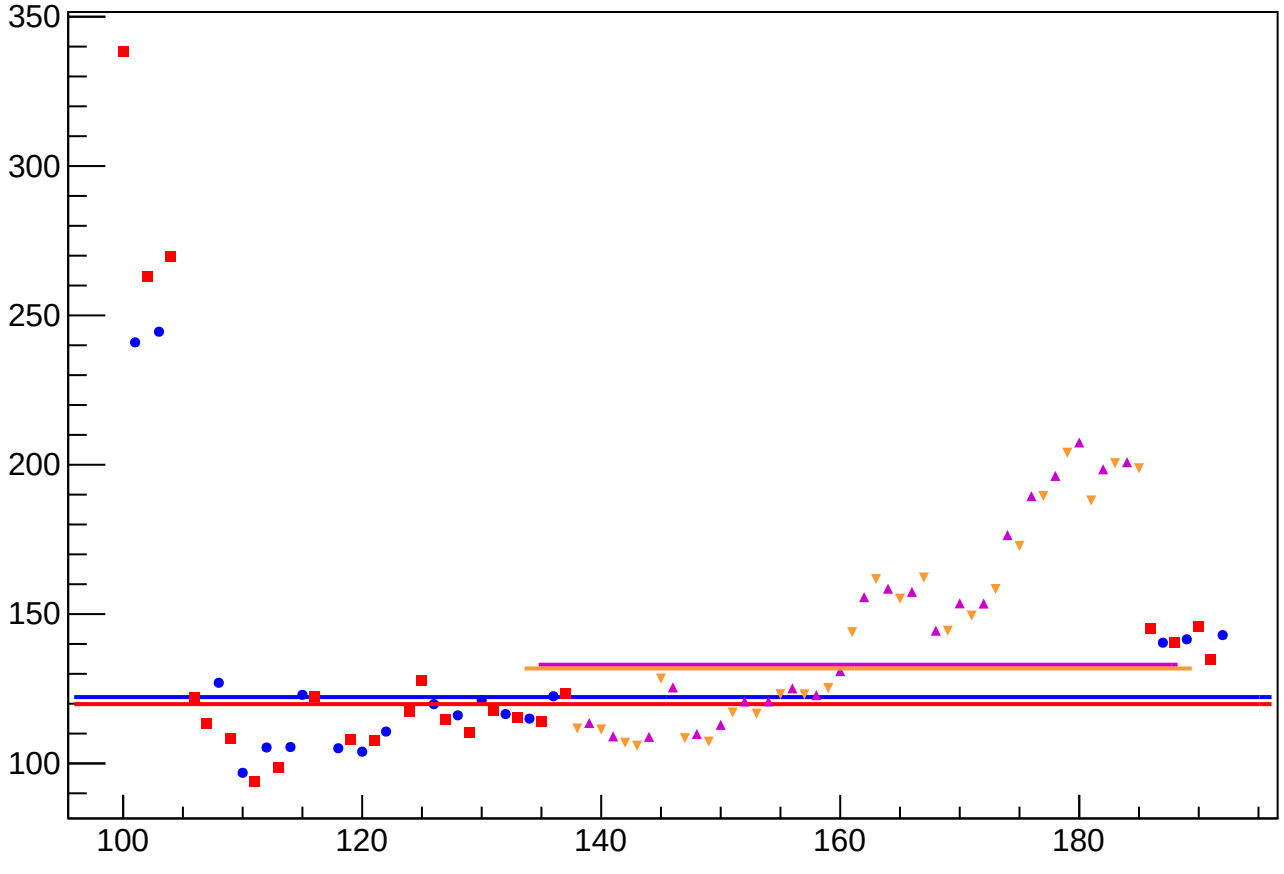
Right: 2694.501+/-29.643 χ^2/NDF: 149242.0/41

In: -2628.279+/-25.655 χ^2/NDF:104864.0/41

Out: -1477.768+/-24.623 χ^2/NDF:158777.5/47

All: -2029.432+/-17.765 χ^2/NDF: 264688.4/8

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: 119.862+/-0.029 χ^2/NDF: 974976.2/22

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

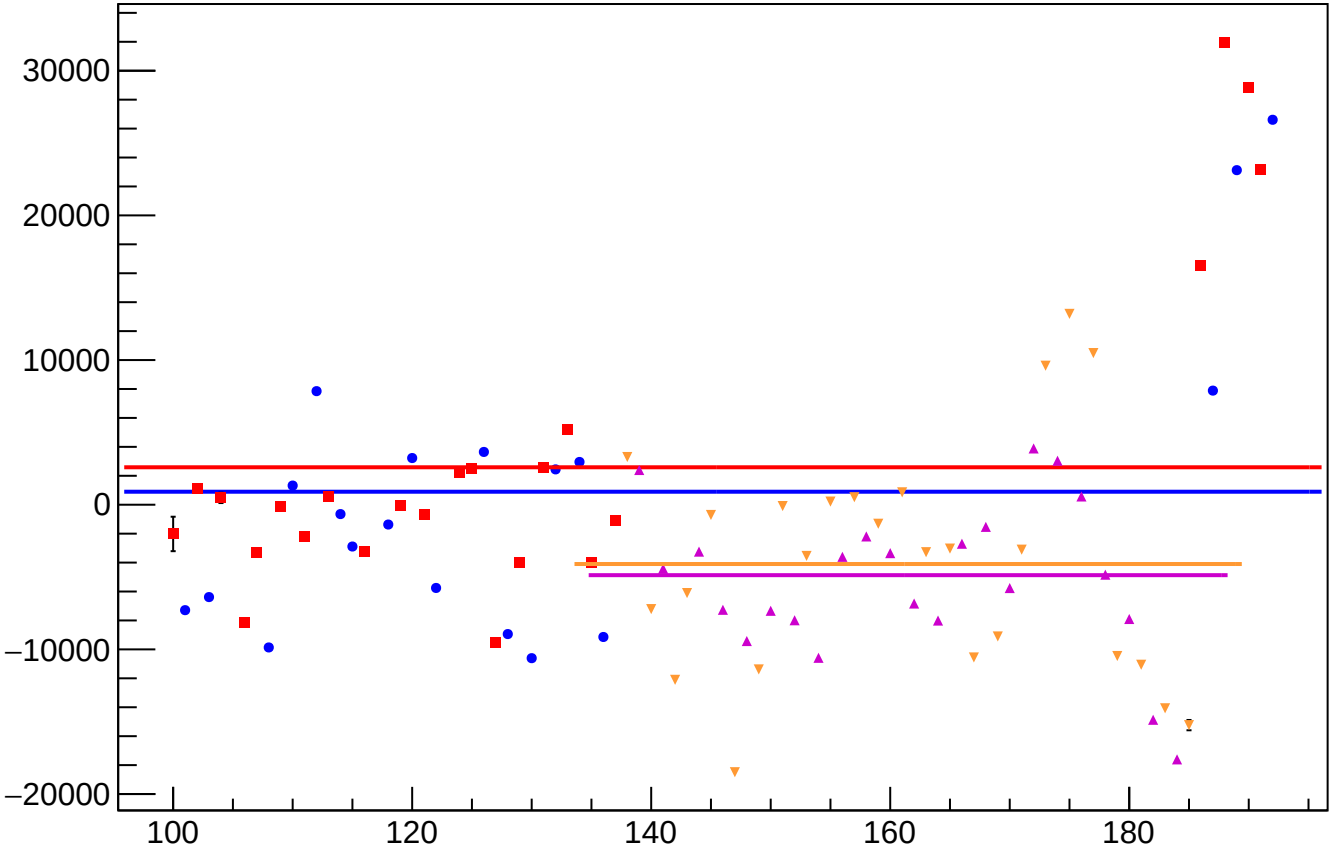
Right: 120.980+/-0.021 χ^2/NDF: 1790774.8/41

In: 129.200+/-0.018 χ^2/NDF:2312874.9/41

Out: 127.476+/-0.017 χ^2/NDF:2627854.3/47

All: 128.303+/-0.013 χ^2/NDF: 4945425.9/89

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: 2587.875+/-36.499 χ^2/NDF: 85507.5/22

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

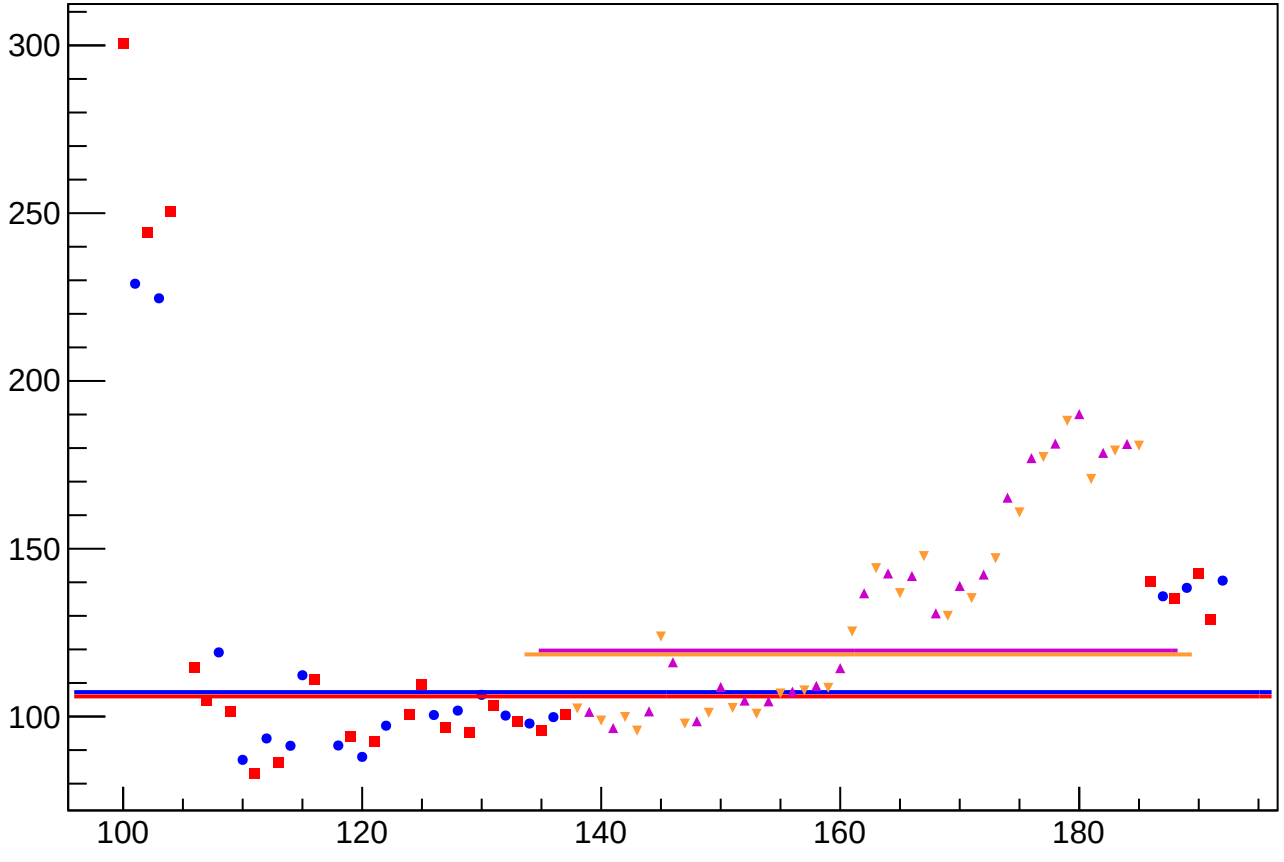
Right: 1779.463+/-26.355 χ^2/NDF: 160701.4/41

In: -2771.151+/-22.978 χ^2/NDF:110668.3/41

Out: -1647.063+/-22.101 χ^2/NDF:173036.3/47

All: -2187.238+/-15.929 χ^2/NDF: 284947.8/8

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: 105.995+/-0.026 χ^2/NDF: 1159769.5/22

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

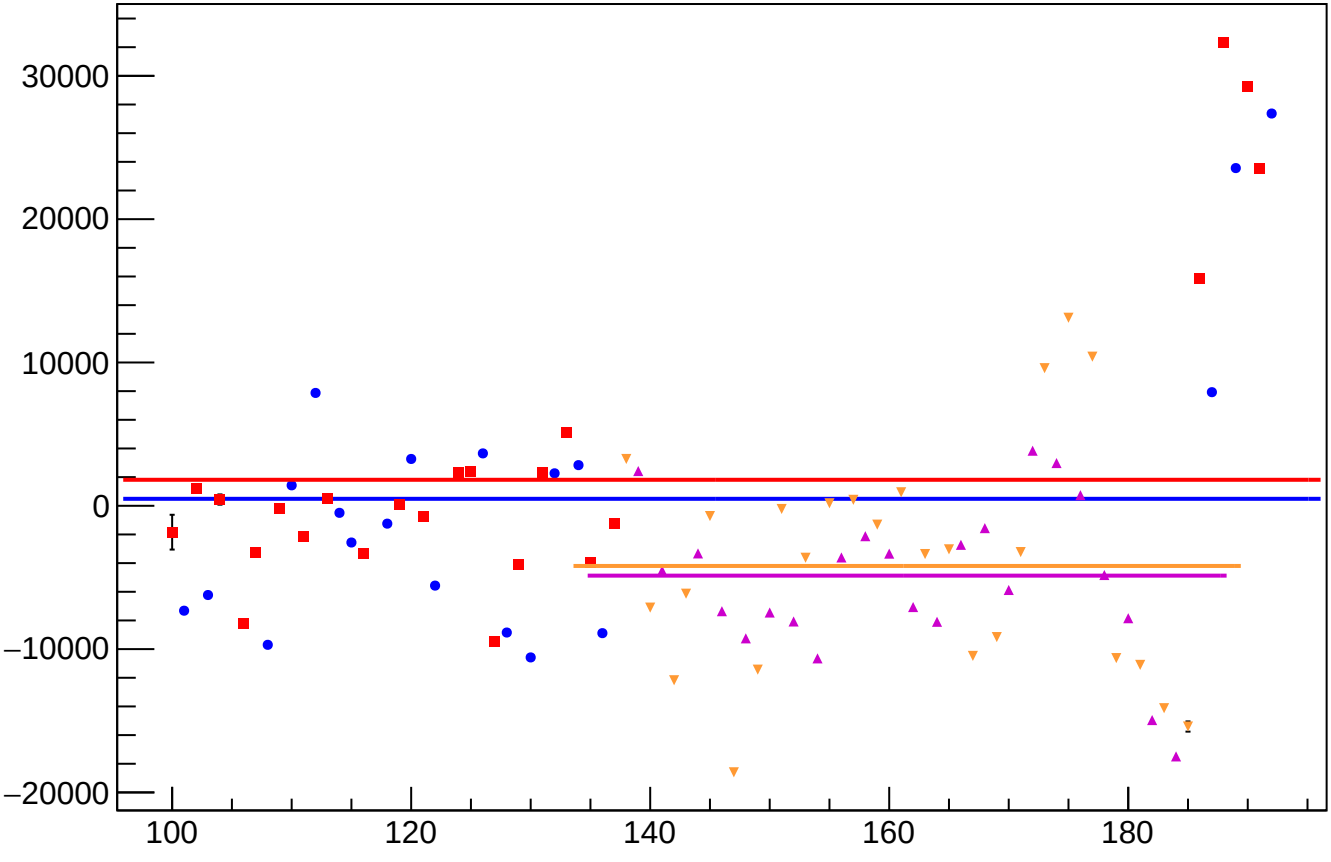
Right: 106.609+/-0.019 χ^2/NDF: 2189273.7/41

In: 115.146+/-0.016 χ^2/NDF:2674794.5/41

Out: 113.916+/-0.016 χ^2/NDF:2935646.8/47

All: 114.507+/-0.011 χ^2/NDF: 5613417.3/89

asym_bpm2i02WS_mean vs Slug, Sign Corrected



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: 1814.987+/-35.409 χ^2/NDF: 77829.9/22

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

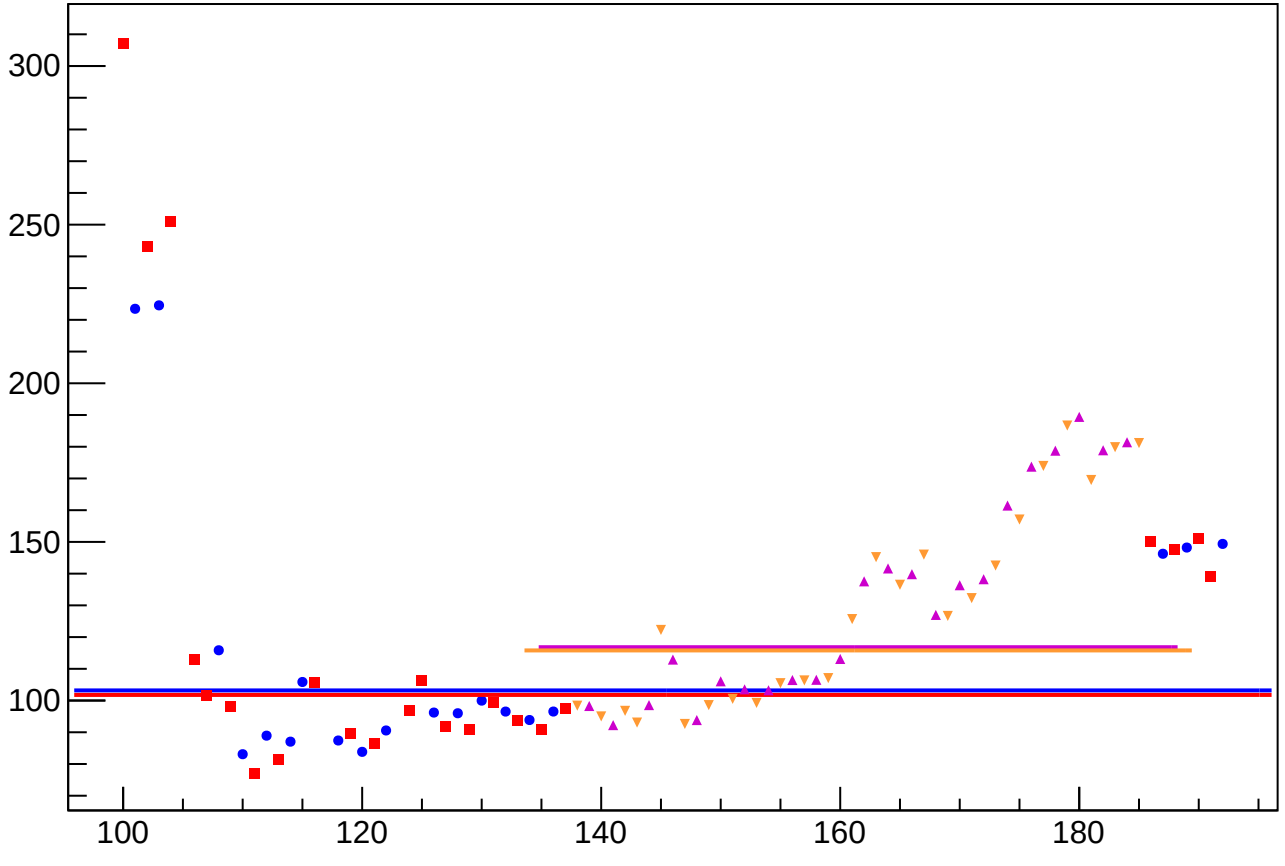
Right: 1179.584+/-25.570 χ^2/NDF: 150708.6/41

In: -2901.032+/-22.420 χ^2/NDF:108422.2/41

Out: -1965.142+/-21.576 χ^2/NDF:166371.8/47

All: -2415.128+/-15.546 χ^2/NDF: 275698.6/8

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: 101.770+/-0.025 χ^2/NDF: 1434449.2/22

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

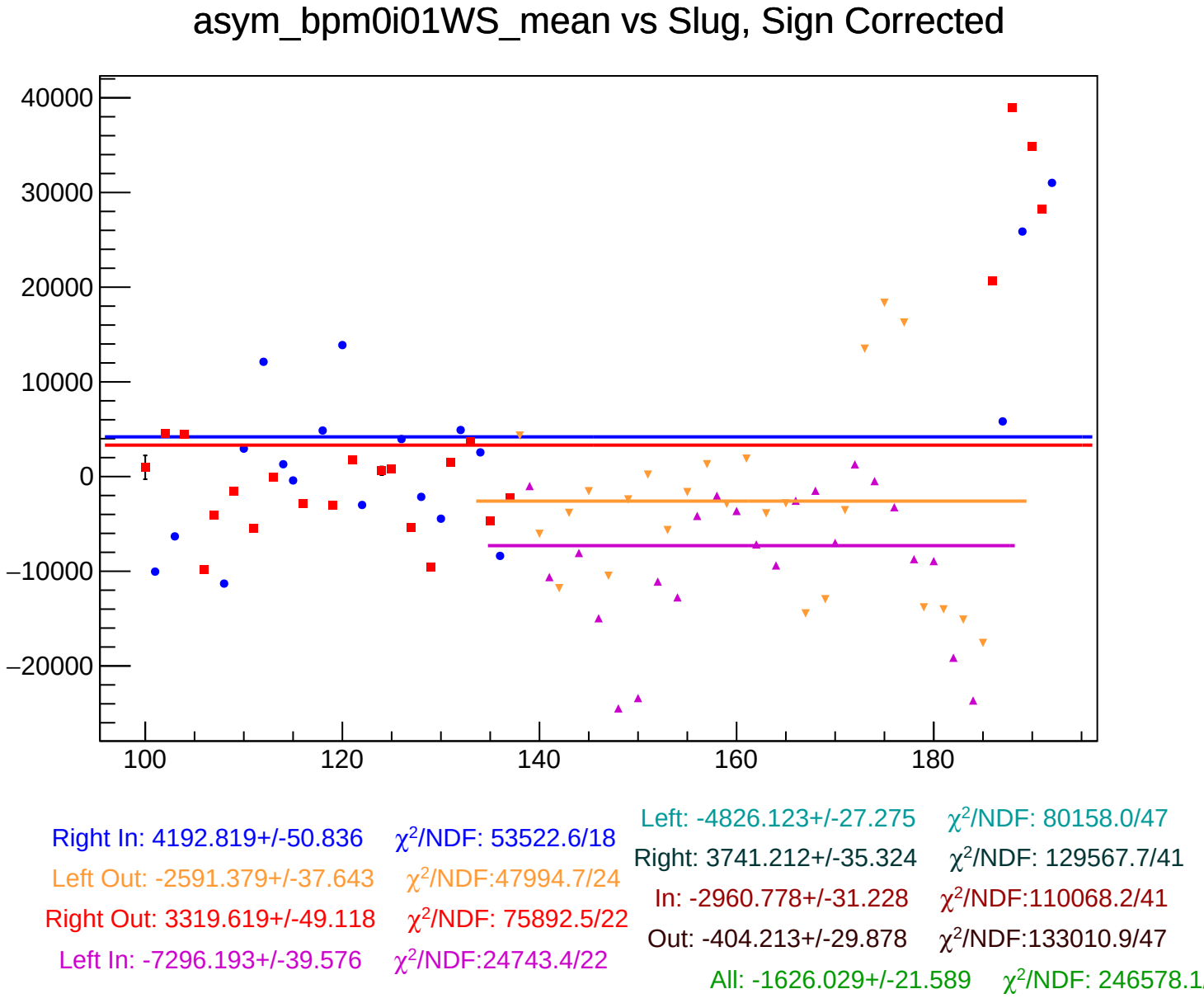
Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

Right: 102.450+/-0.018 χ^2/NDF: 2653486.6/41

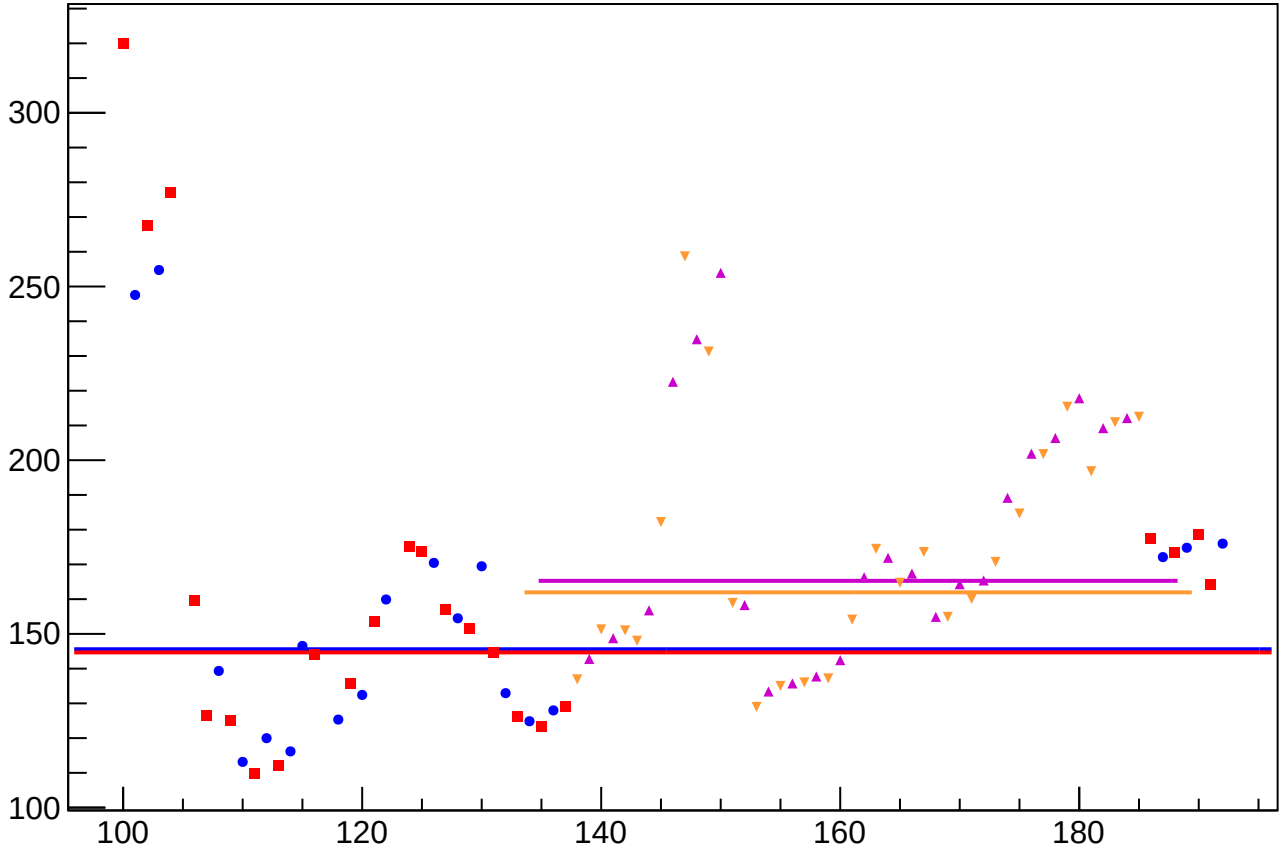
In: 111.799+/-0.016 χ^2/NDF:3006715.3/41

Out: 110.590+/-0.015 χ^2/NDF:3380827.7/47

All: 111.171+/-0.011 χ^2/NDF: 6390562.1/89


asym_bpm0i01WS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
Right In: 4192.819+/-50.836 χ²/NDF: 53522.6/18
Left Out: -2591.379+/-37.643 χ²/NDF:47994.7/24
Right Out: 3319.619+/-49.118 χ²/NDF: 75892.5/22
Left In: -7296.193+/-39.576 χ²/NDF:24743.4/22
Left: -4826.123+/-27.275 χ²/NDF: 80158.0/47
Right: 3741.212+/-35.324 χ²/NDF: 129567.7/41
In: -2960.778+/-31.228 χ²/NDF:110068.2/41
Out: -404.213+/-29.878 χ²/NDF:133010.9/47
All: -1626.029+/-21.589 χ²/NDF: 246578.1/8

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: 144.673+/-0.035 χ^2/NDF: 933819.3/22

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

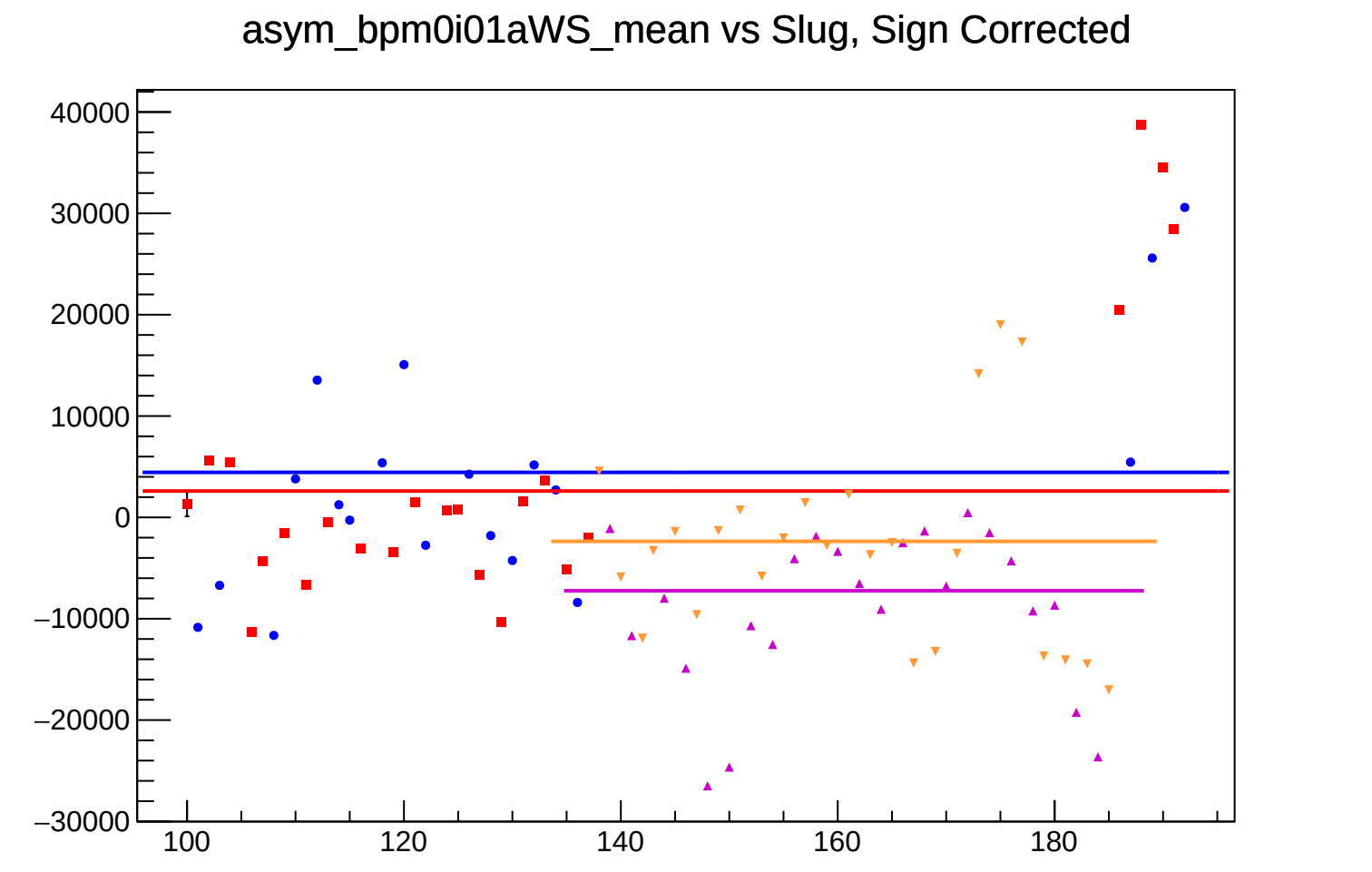
Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

Right: 145.110+/-0.025 χ^2/NDF: 1721251.0/41

In: 157.840+/-0.022 χ^2/NDF:2153111.5/41

Out: 155.562+/-0.021 χ^2/NDF:2234635.1/47

All: 156.651+/-0.015 χ^2/NDF: 4393306.3/89



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: 2600.000+/-40.904 χ^2/NDF: 106738.7/22

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

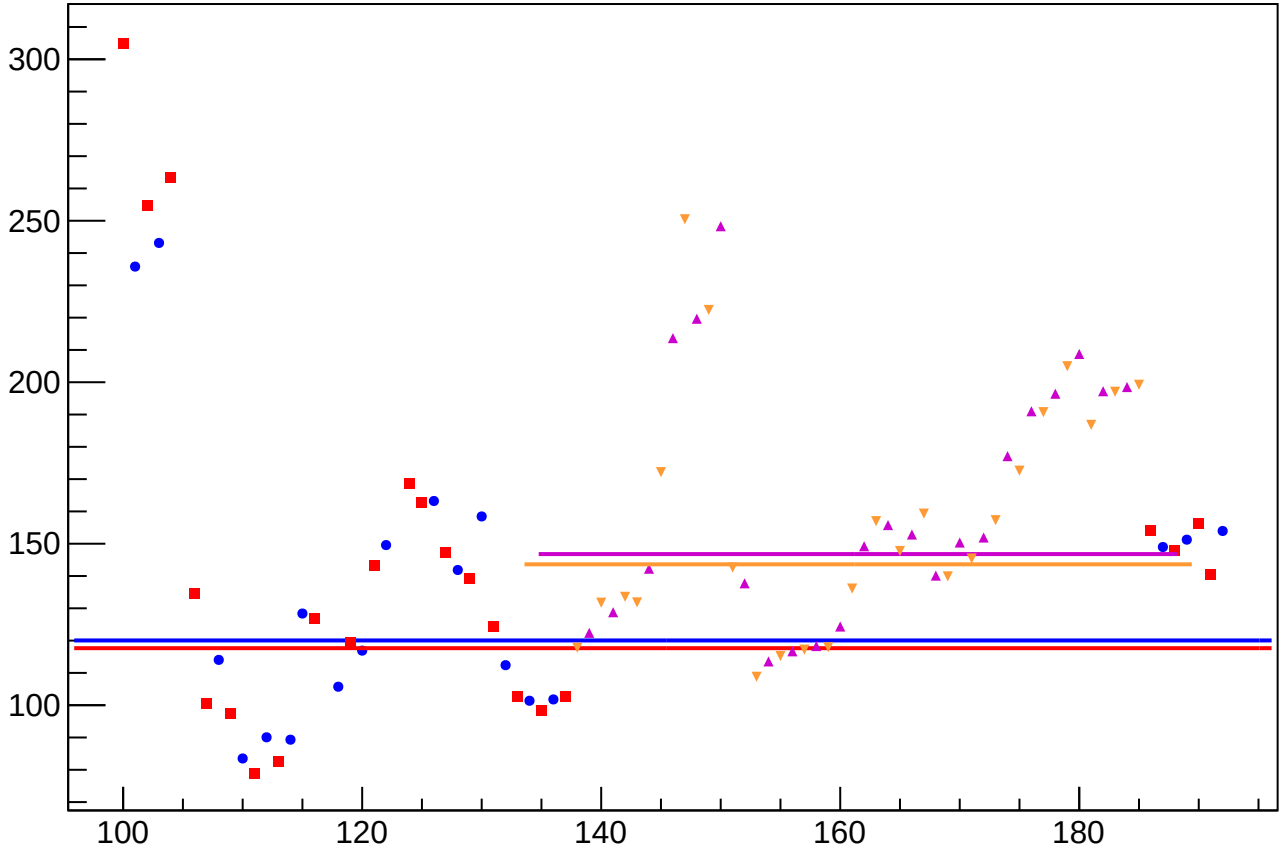
Right: 3478.531+/-29.570 χ^2/NDF: 181546.3/41

In: -2480.894+/-27.327 χ^2/NDF:148442.0/41

Out: -356.364+/-26.000 χ^2/NDF:174070.7/47

All: -1365.809+/-18.837 χ^2/NDF: 325685.1/8

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: 117.654+/-0.029 χ^2/NDF: 1537656.7/22

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

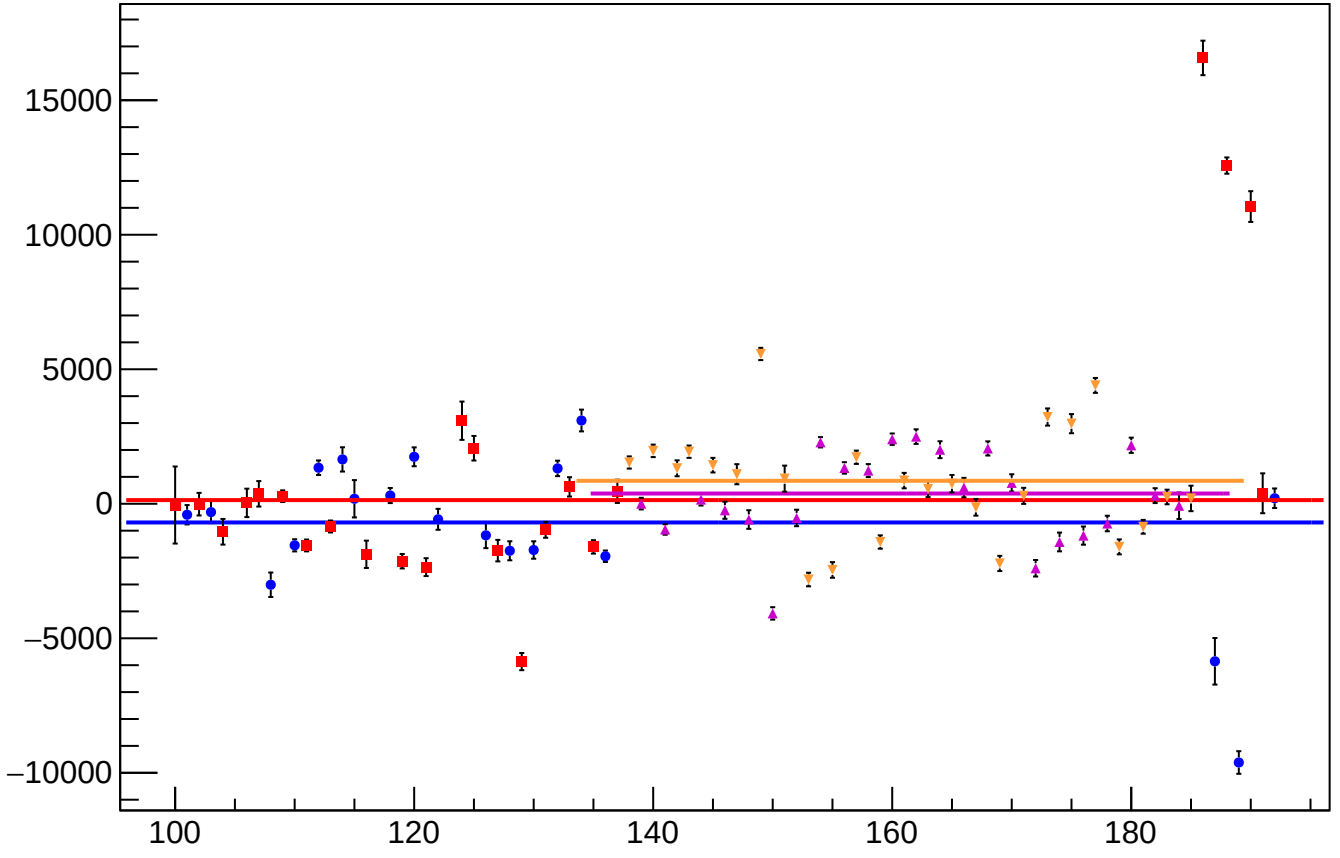
Right: 118.798+/-0.021 χ^2/NDF: 2828873.7/41

In: 135.890+/-0.019 χ^2/NDF:3445036.8/41

Out: 133.130+/-0.018 χ^2/NDF:3680863.6/47

All: 134.441+/-0.013 χ^2/NDF: 7136609.8/89

asym_bpm0l01WS_mean vs Slug, Sign Corrected



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: 136.561+/-72.669 χ^2/NDF: 3414.9/22

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

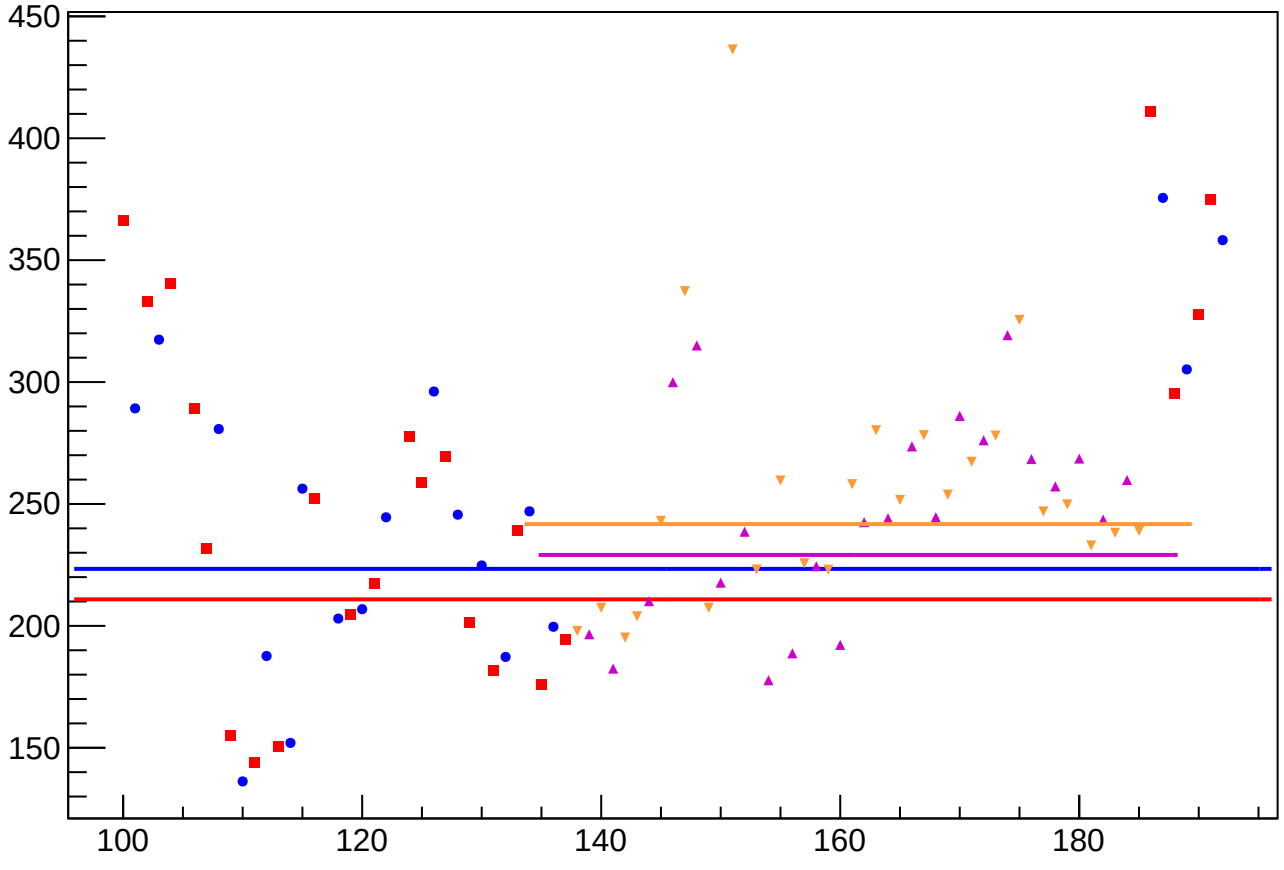
Right: -247.722+/-53.290 χ^2/NDF: 4347.1/41

In: 24.805+/-45.096 χ^2/NDF:1980.1/41

Out: 585.224+/-44.475 χ^2/NDF:4919.6/47

All: 308.902+/-31.666 χ^2/NDF: 6978.0/89

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: 210.880+/-0.051 χ^2/NDF: 1556998.1/22

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

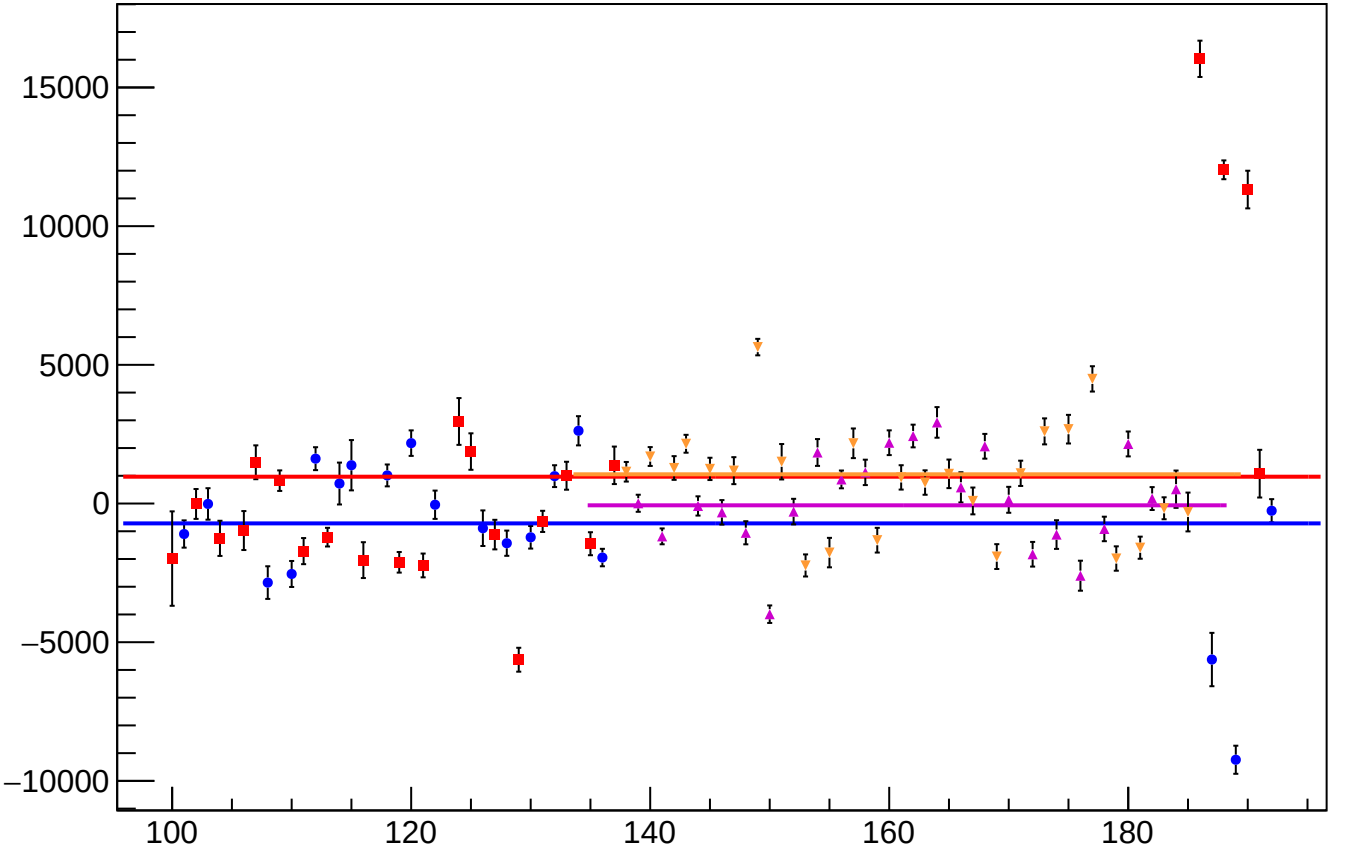
Right: 216.660+/-0.038 χ^2/NDF: 2724769.8/41

In: 227.210+/-0.032 χ^2/NDF:2216486.9/41

Out: 230.185+/-0.031 χ^2/NDF:2769058.3/47

All: 228.718+/-0.022 χ^2/NDF: 4989956.9/89

asym_bpm0l02WS_mean vs Slug, Sign Corrected



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: 966.942+/-103.856 χ^2/NDF: 2384.5/22

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

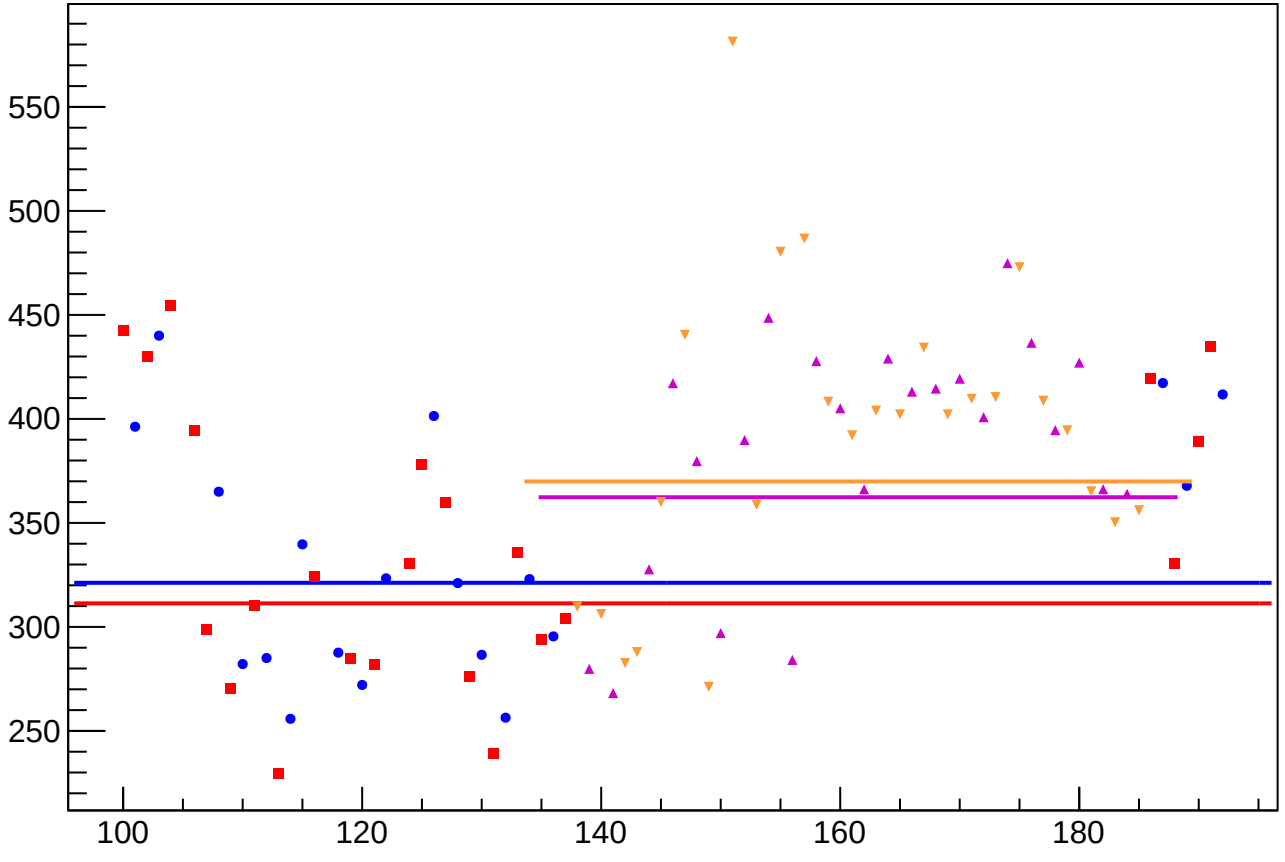
Right: 173.712+/-75.516 χ^2/NDF: 3028.7/41

In: -314.148+/-68.073 χ^2/NDF:936.5/41

Out: 1018.255+/-66.190 χ^2/NDF:2999.6/47

All: 370.728+/-47.455 χ^2/NDF: 4132.9/89

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: 311.319+/-0.073 χ^2/NDF: 663432.9/22

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

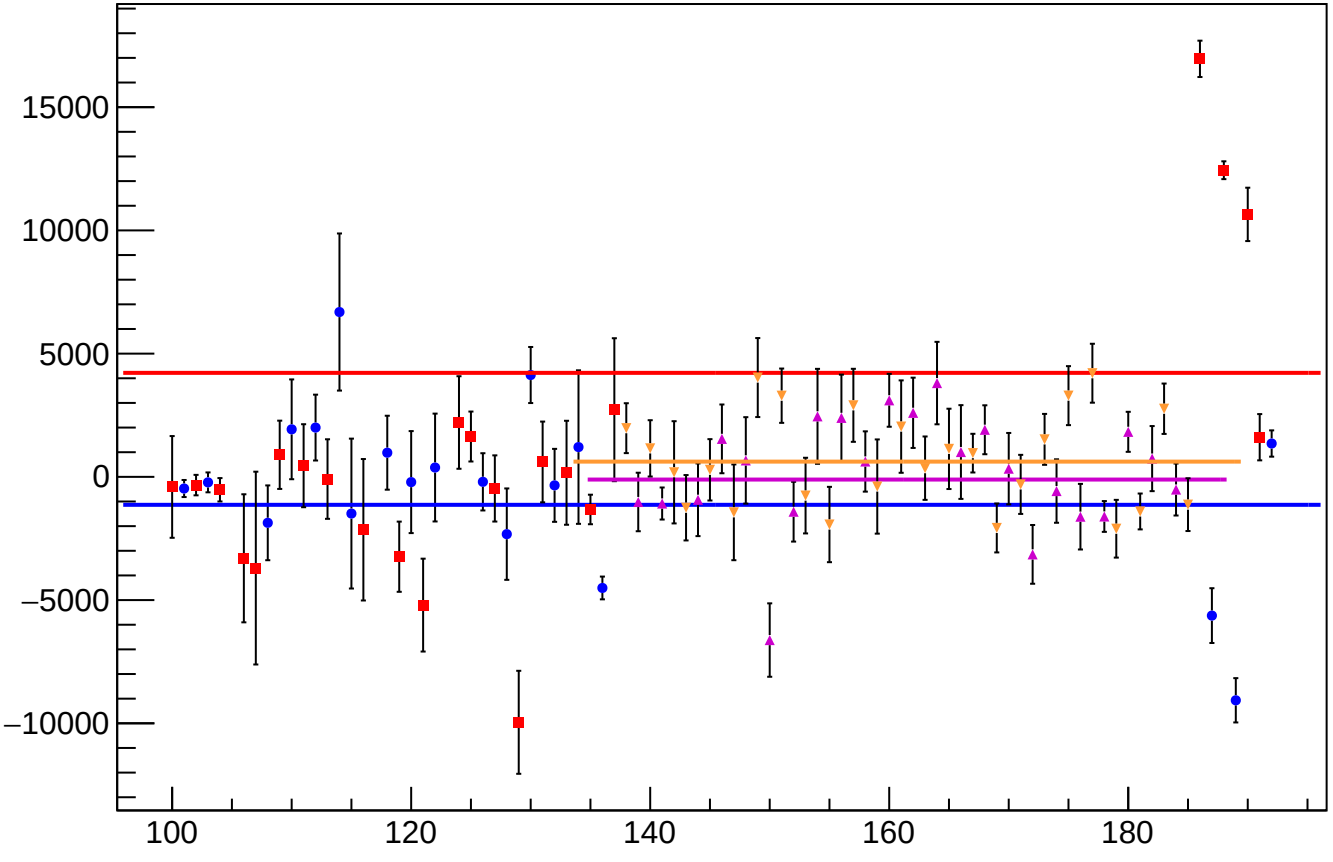
Right: 315.983+/-0.053 χ^2/NDF: 1143674.4/41

In: 346.591+/-0.048 χ^2/NDF:1697579.4/41

Out: 346.119+/-0.047 χ^2/NDF:2271900.3/47

All: 346.348+/-0.034 χ^2/NDF: 3969529.1/89

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: 4219.718+/-182.946 χ^2/NDF: 1332.5/22

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

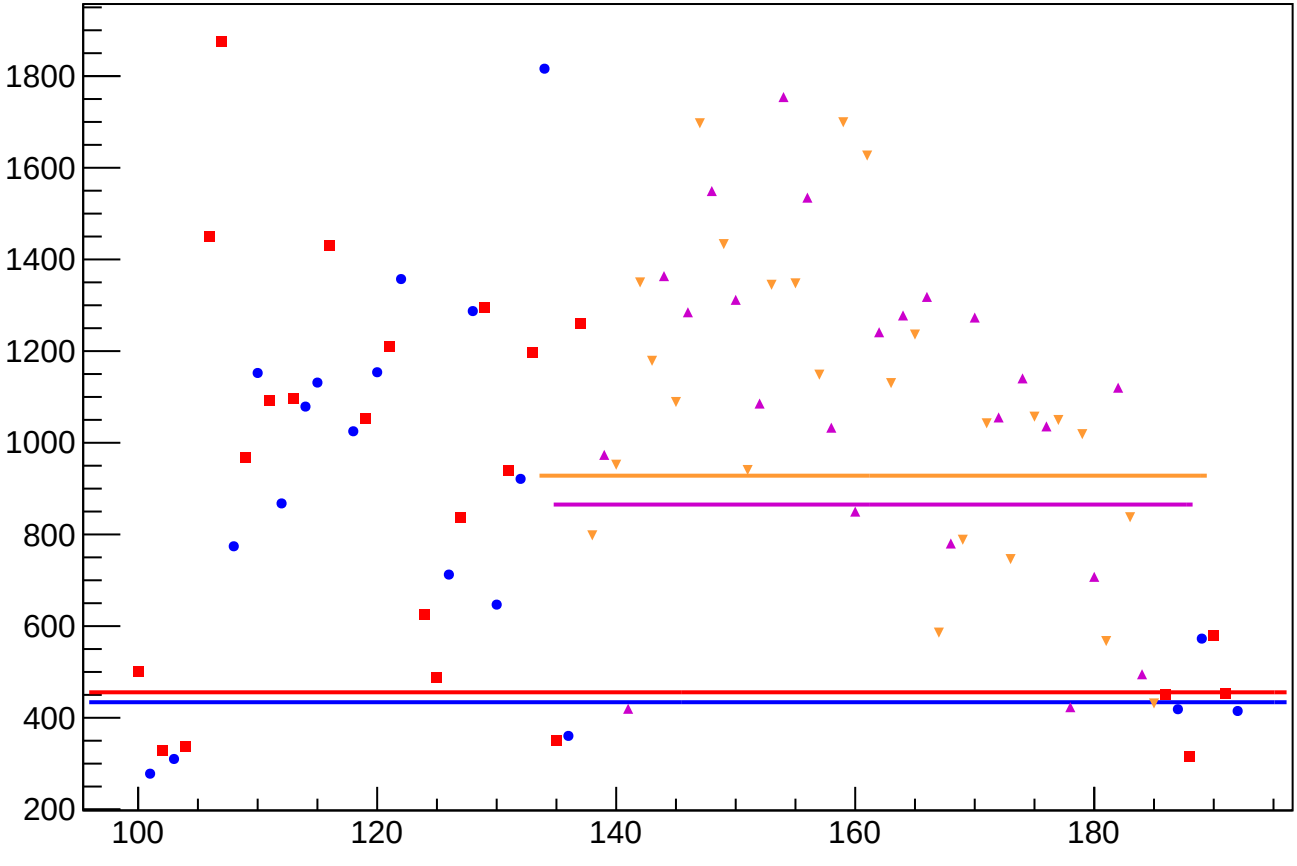
Right: 1563.130+/-129.859 χ^2/NDF: 1975.6/41

In: -749.863+/-145.707 χ^2/NDF:301.4/41

Out: 2883.253+/-145.080 χ^2/NDF:1542.1/47

All: 1074.534+/-102.808 χ^2/NDF: 2155.7/89

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: 455.621+/-0.129 χ^2/NDF: 4110765.6/22

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

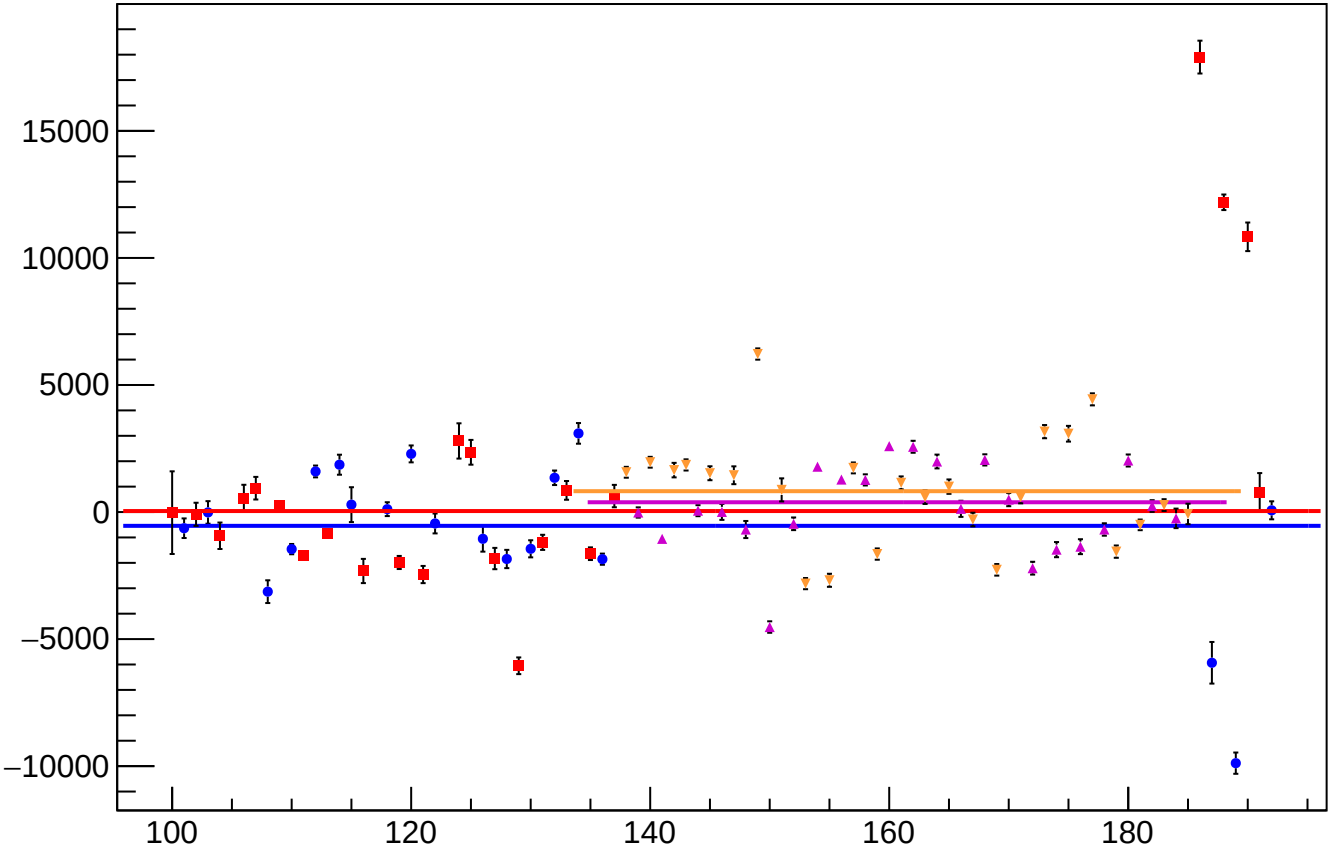
Right: 444.880+/-0.092 χ^2/NDF: 7697849.6/41

In: 595.843+/-0.103 χ^2/NDF:12473590.0/41

Out: 631.019+/-0.103 χ^2/NDF:12359071.1/47

All: 613.507+/-0.073 χ^2/NDF: 24891191.1/89

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: 38.984+/-69.785 χ^2/NDF: 3429.5/22

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

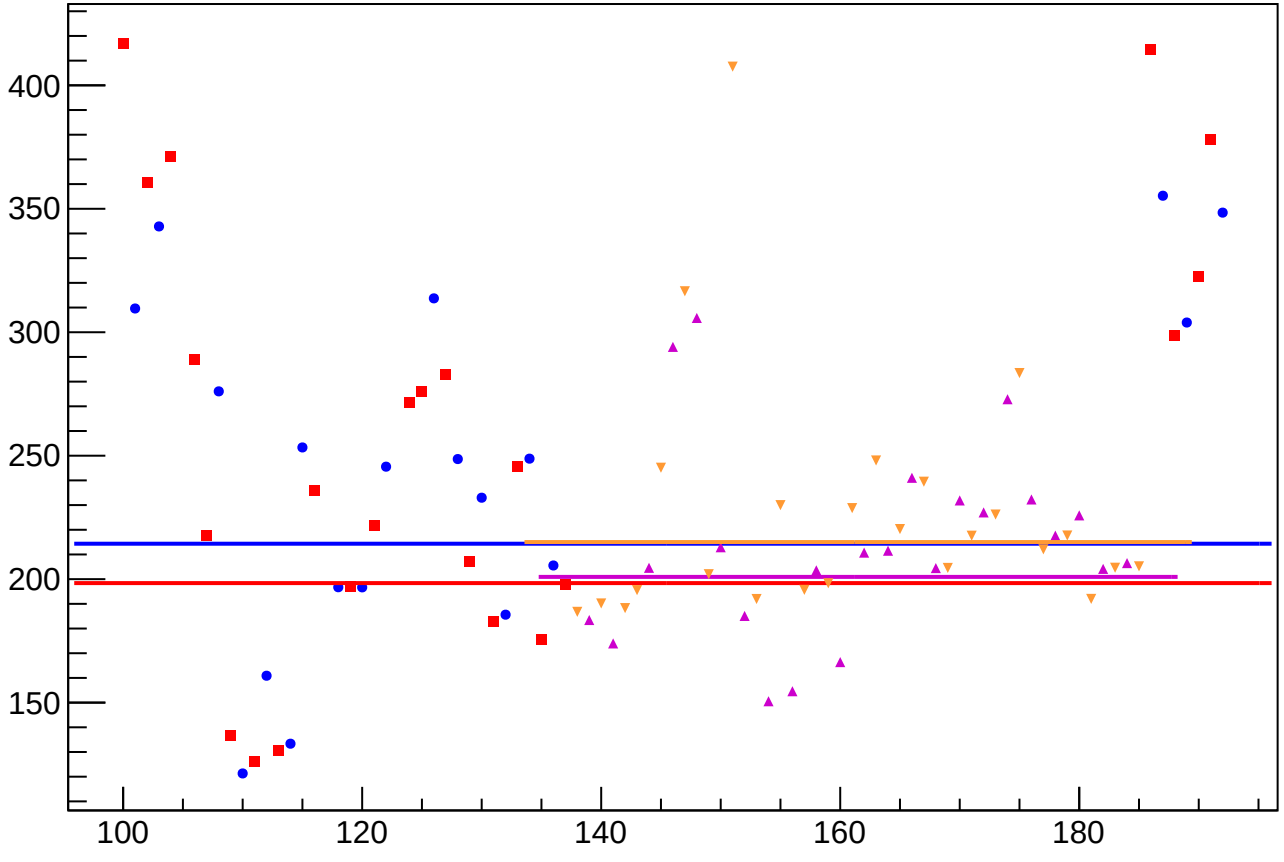
Right: -226.324+/-51.483 χ^2/NDF: 4443.3/41

In: 118.064+/-40.898 χ^2/NDF:2340.9/41

Out: 555.638+/-40.642 χ^2/NDF:5503.2/47

All: 338.221+/-28.828 χ^2/NDF: 7901.8/89

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: 198.404+/-0.049 χ^2/NDF: 2188705.3/22

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

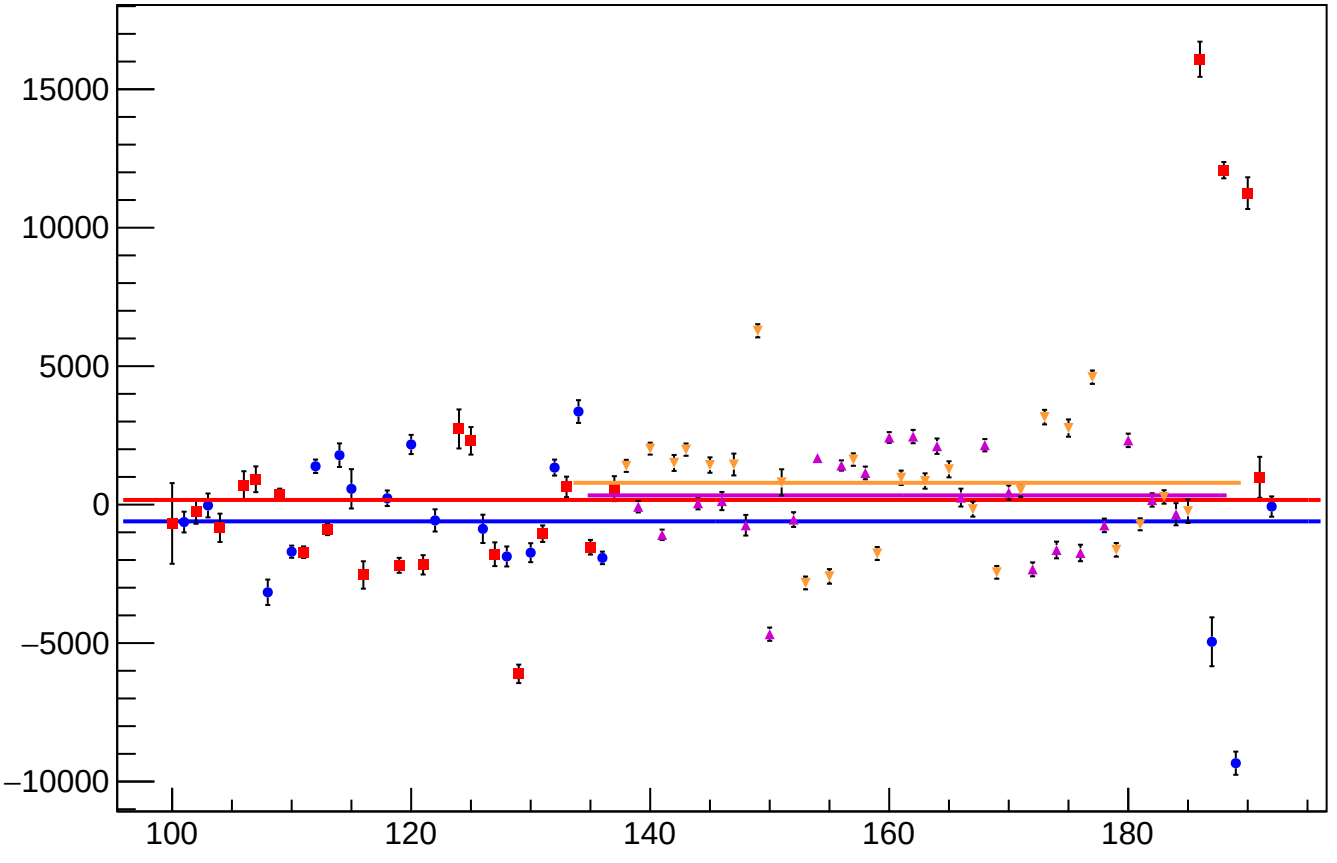
Right: 205.673+/-0.036 χ^2/NDF: 3786215.7/41

In: 204.781+/-0.029 χ^2/NDF:2699968.4/41

Out: 209.389+/-0.029 χ^2/NDF:3161489.4/47

All: 207.099+/-0.020 χ^2/NDF: 5874228.5/89

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: 168.692+/-72.144 χ^2/NDF: 3372.5/22

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

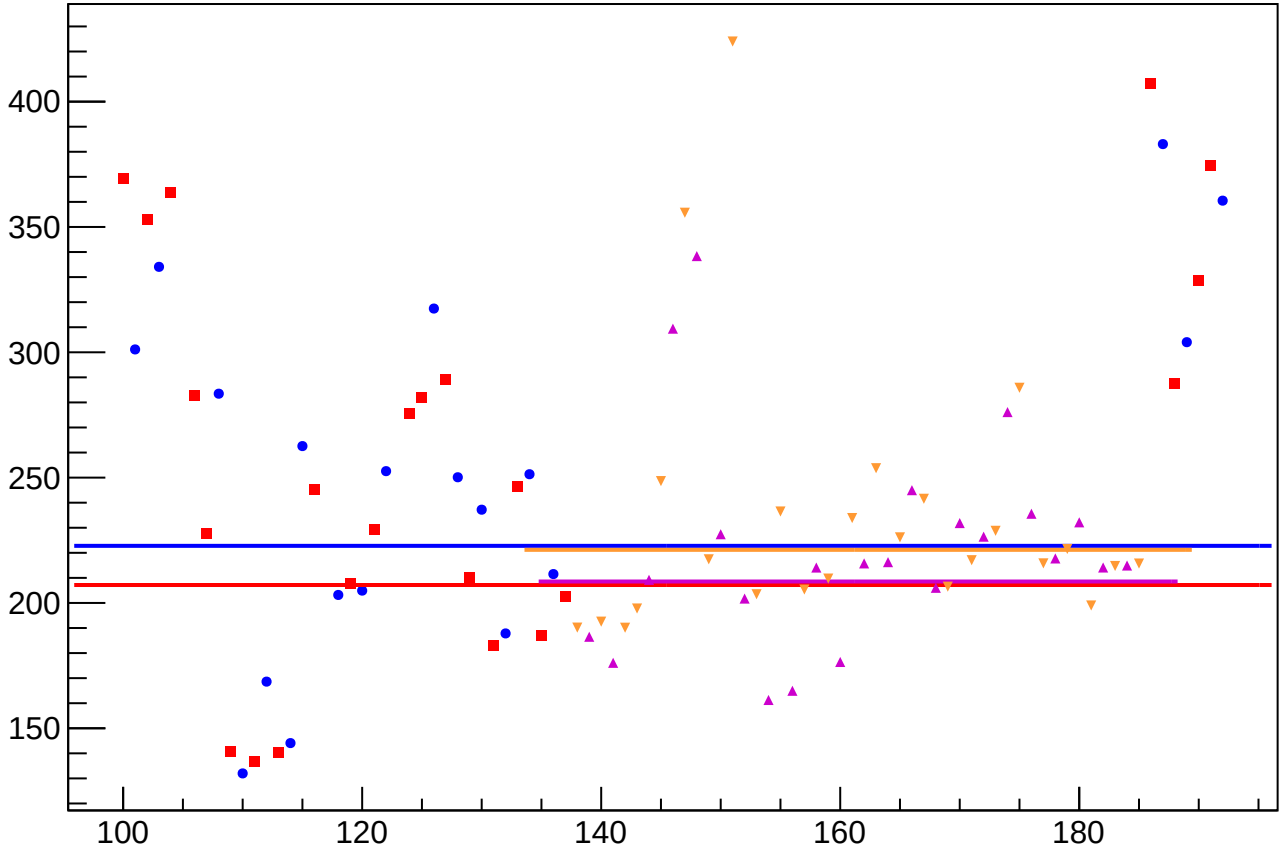
Right: -184.173+/-53.185 χ^2/NDF: 4313.5/41

In: 62.277+/-42.322 χ^2/NDF:2204.7/41

Out: 579.422+/-41.875 χ^2/NDF:5311.6/47

All: 323.595+/-29.767 χ^2/NDF: 7591.7/89

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: 207.158+/-0.051 χ^2/NDF: 1874541.2/22

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

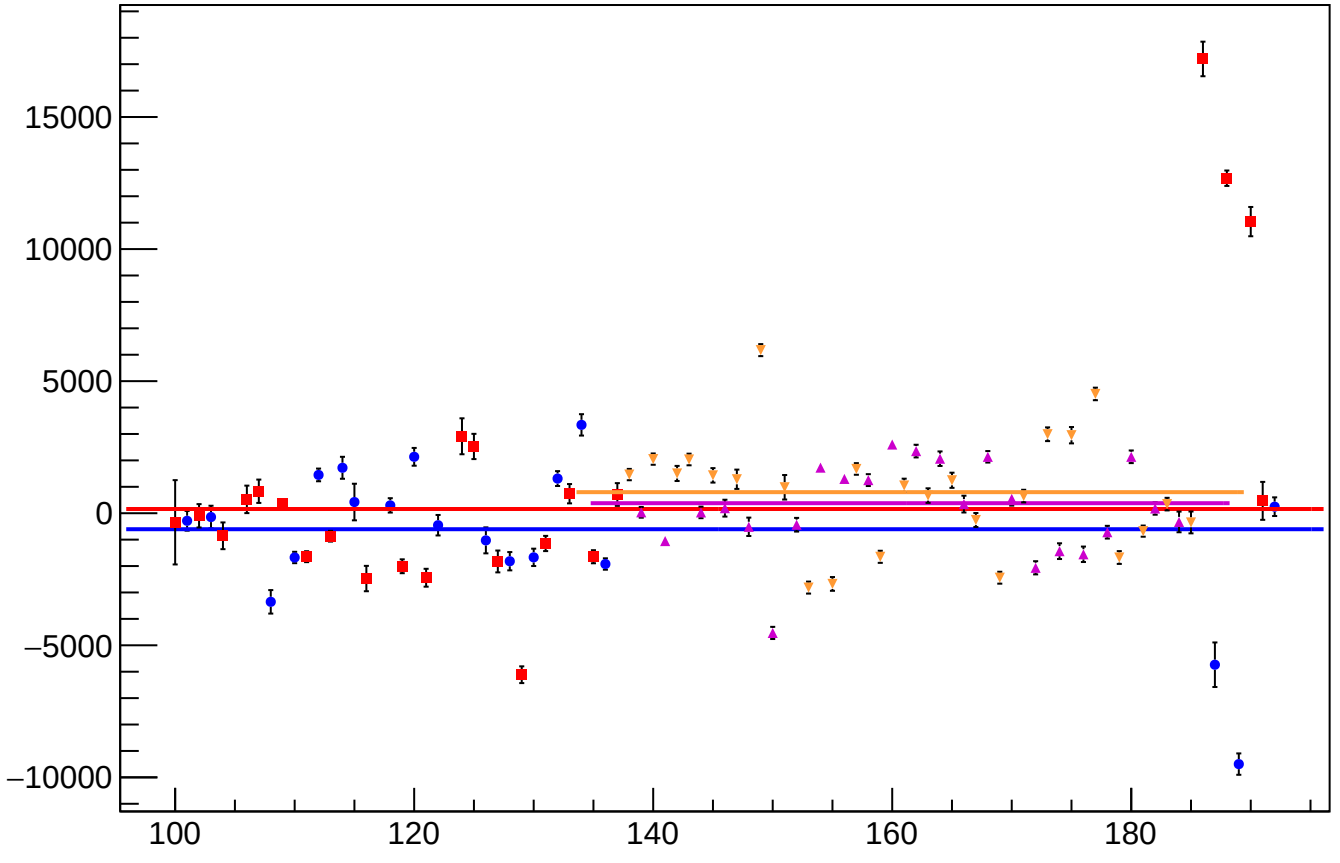
Right: 214.291+/-0.038 χ^2/NDF: 3264439.6/41

In: 212.669+/-0.030 χ^2/NDF:2429153.6/41

Out: 216.459+/-0.030 χ^2/NDF:2864198.5/47

All: 214.584+/-0.021 χ^2/NDF: 5301458.6/89

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: 159.671+/-69.829 χ^2/NDF: 3707.3/22

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

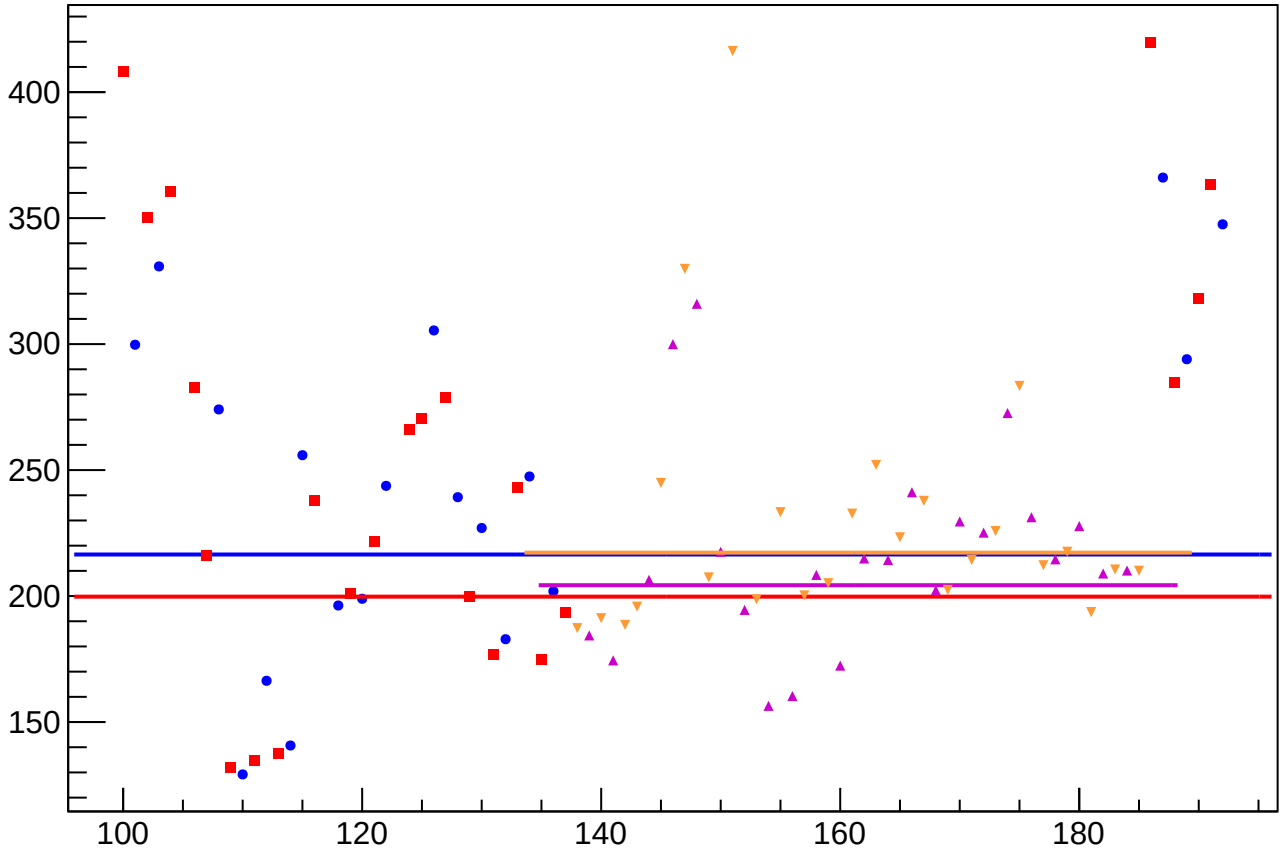
Right: -188.183+/-51.572 χ^2/NDF: 4738.4/41

In: 91.420+/-41.370 χ^2/NDF:2295.1/41

Out: 578.479+/-40.918 χ^2/NDF:5722.9/47

All: 337.625+/-29.092 χ^2/NDF: 8088.1/89

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: 199.767+/-0.049 χ^2/NDF: 1980118.0/22

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

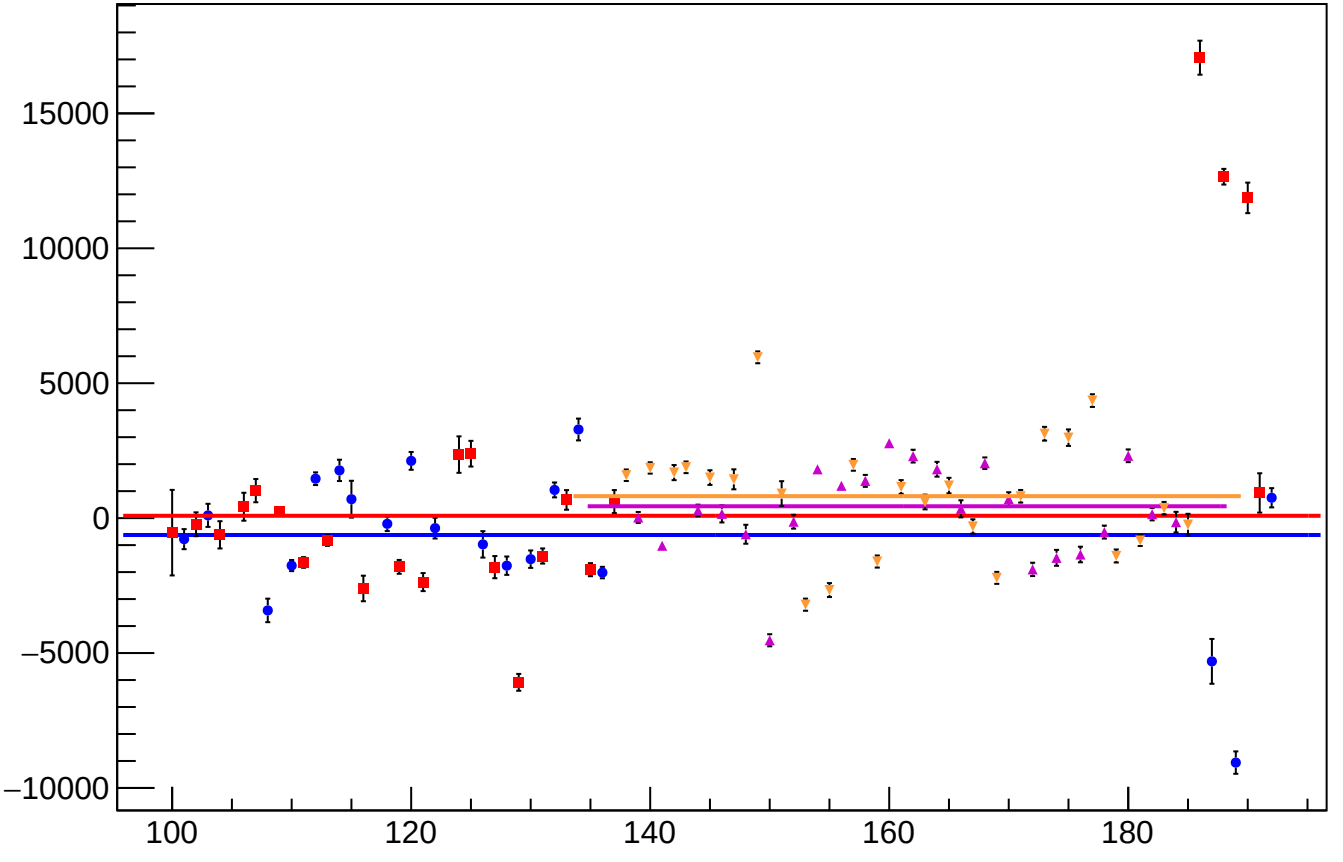
Right: 207.369+/-0.036 χ^2/NDF: 3359624.2/41

In: 207.872+/-0.029 χ^2/NDF:2378301.0/41

Out: 211.230+/-0.029 χ^2/NDF:2972646.5/47

All: 209.569+/-0.021 χ^2/NDF: 5357609.3/89

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: 87.106+/-68.245 χ^2/NDF: 3819.0/22

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

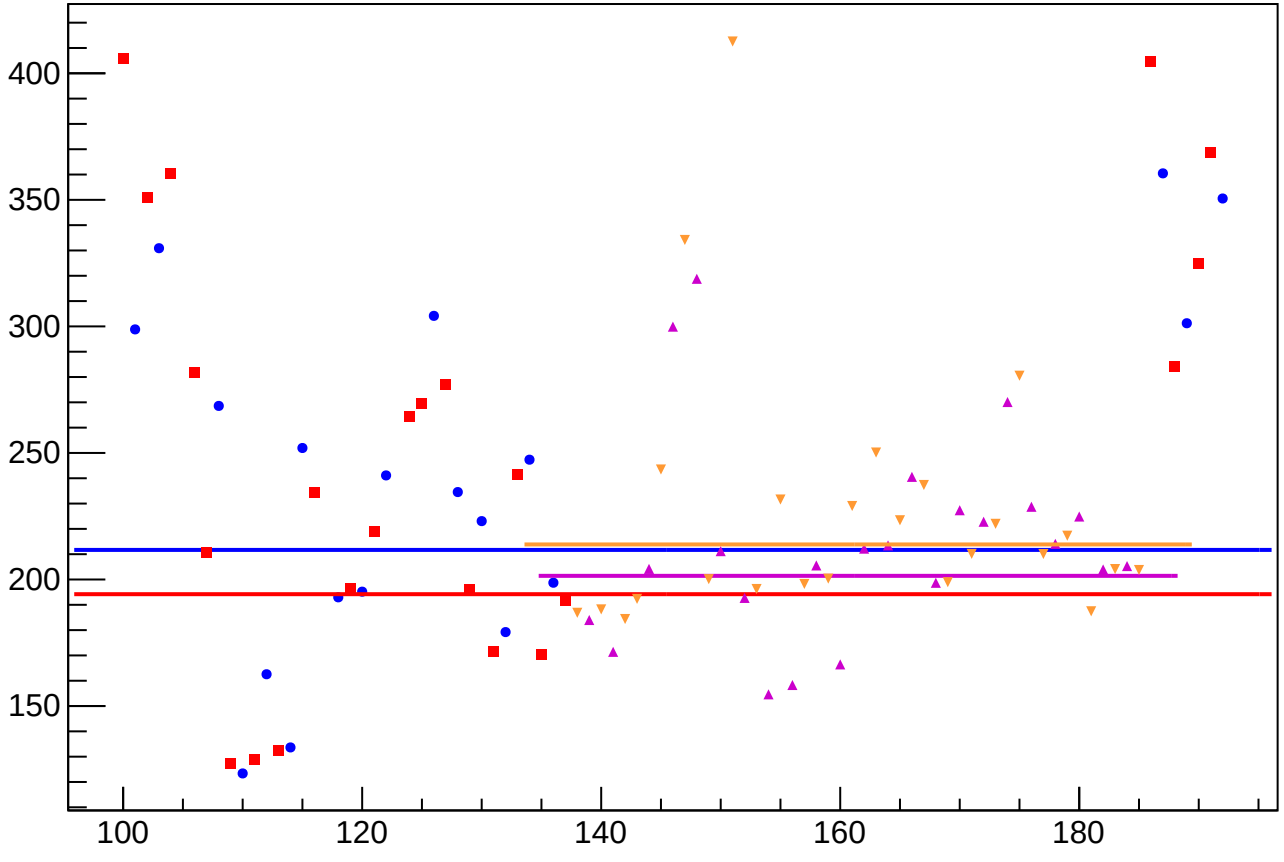
Right: -234.749+/-50.518 χ^2/NDF: 4786.4/41

In: 126.248+/-40.769 χ^2/NDF:2294.8/41

Out: 561.870+/-40.207 χ^2/NDF:5893.5/47

All: 347.085+/-28.627 χ^2/NDF: 8246.2/89

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: 194.197+/-0.048 χ^2/NDF: 2136259.9/22

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

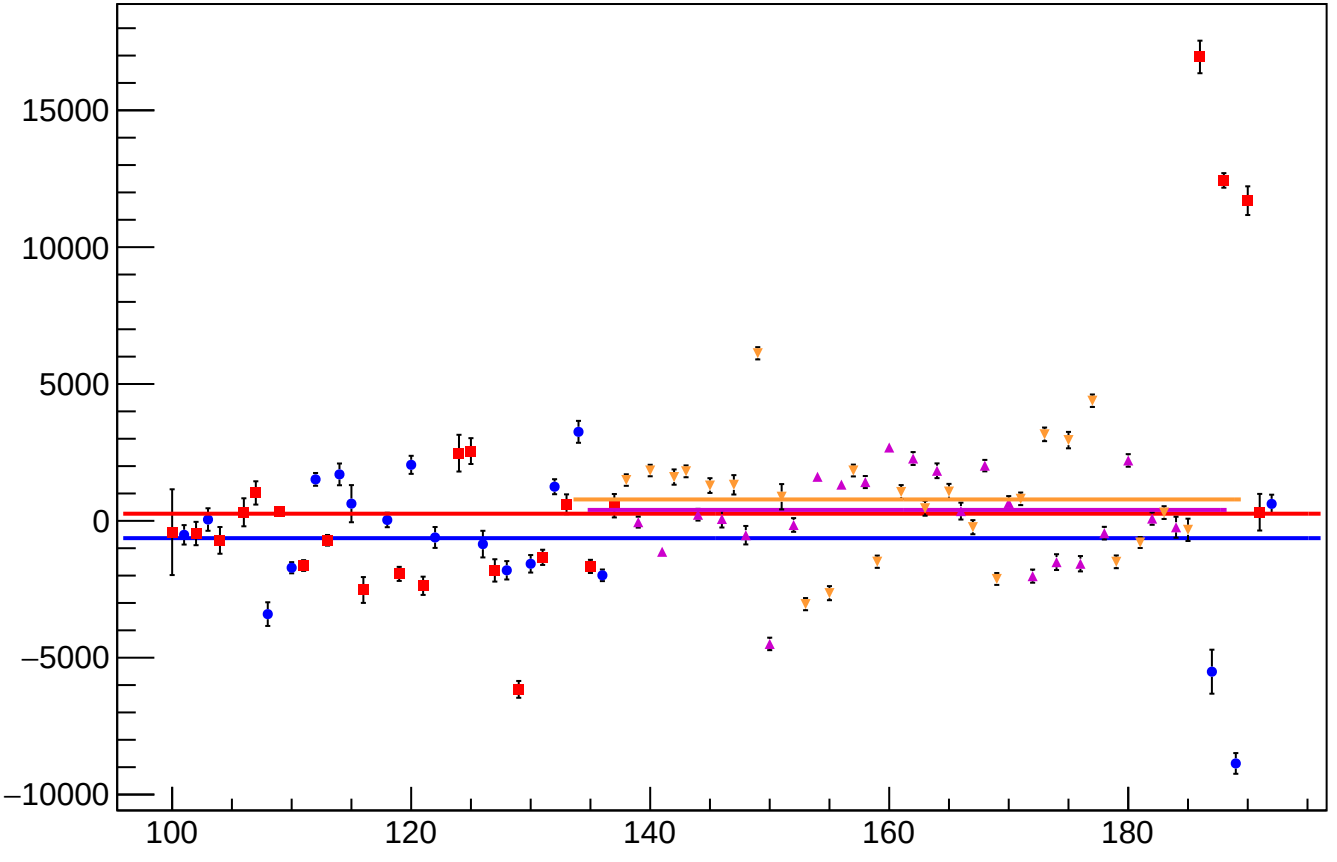
Right: 202.104+/-0.036 χ^2/NDF: 3656815.5/41

In: 204.461+/-0.029 χ^2/NDF:2549363.4/41

Out: 207.027+/-0.028 χ^2/NDF:3208111.4/47

All: 205.762+/-0.020 χ^2/NDF: 5761491.5/89

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: 261.127+/-67.093 χ^2/NDF: 4244.2/22

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

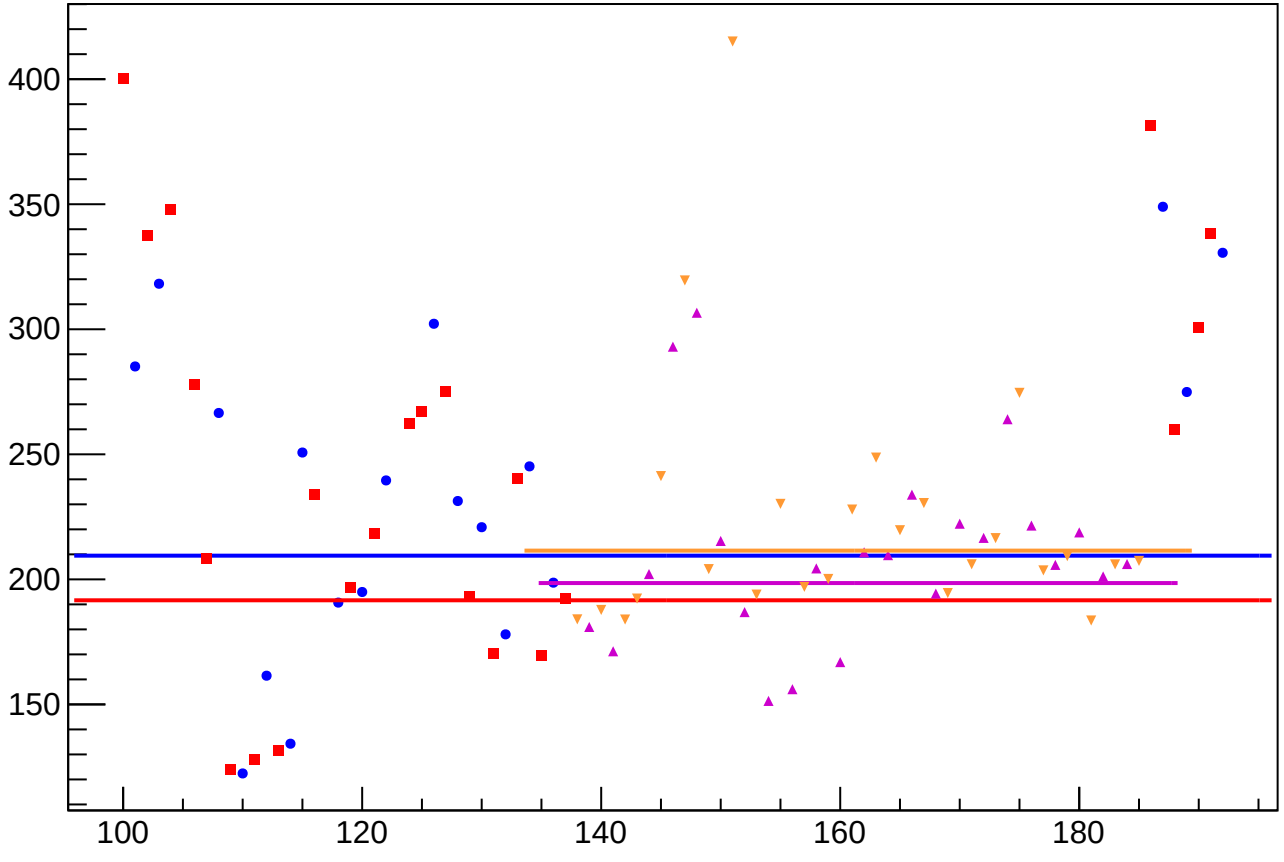
Right: -141.520+/-49.725 χ^2/NDF: 5316.5/41

In: 96.183+/-40.173 χ^2/NDF:2361.5/41

Out: 600.110+/-39.675 χ^2/NDF:6284.7/47

All: 351.291+/-28.229 χ^2/NDF: 8725.8/89

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: 191.631+/-0.047 χ^2/NDF: 2002587.0/22

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

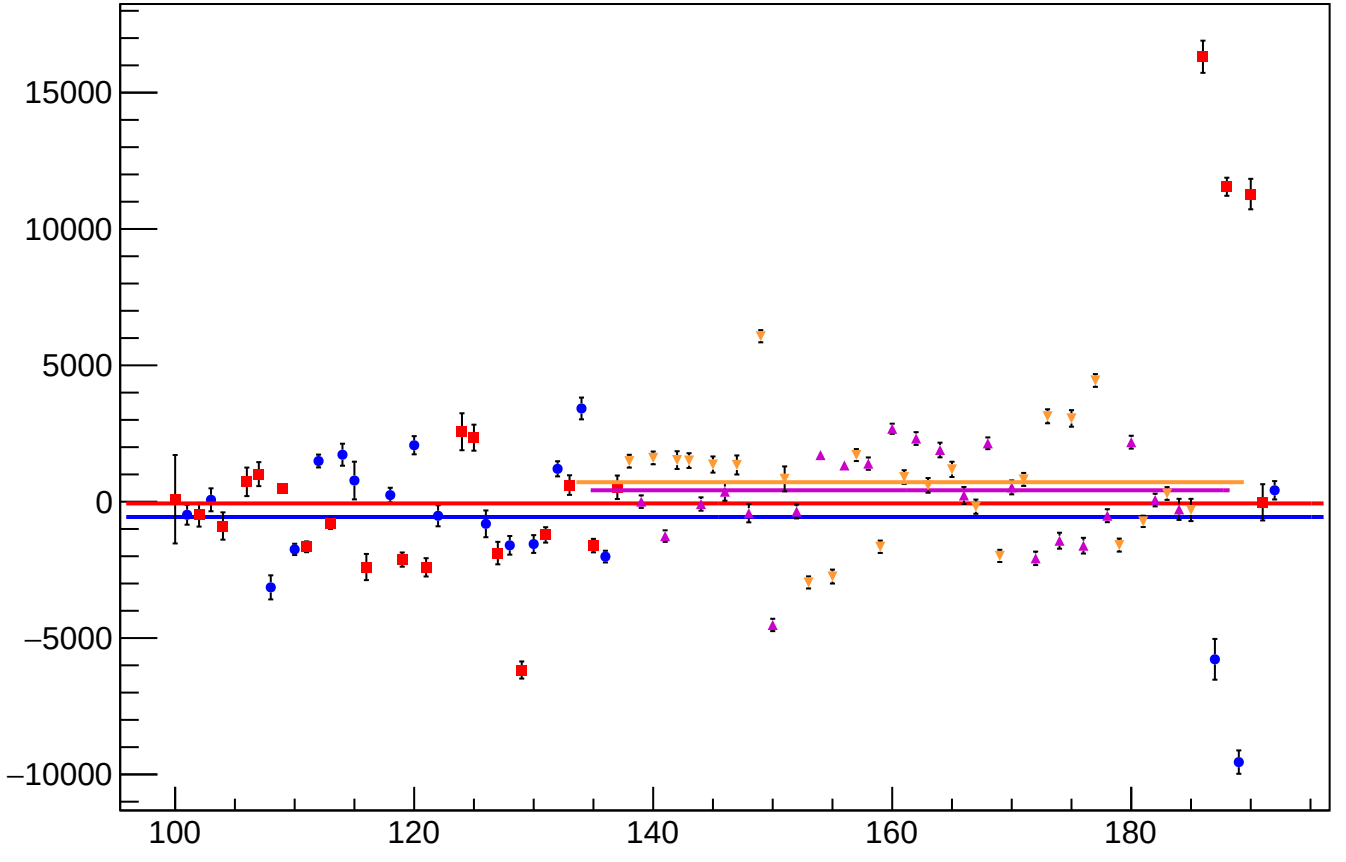
Right: 199.675+/-0.035 χ^2/NDF: 3395572.6/41

In: 201.747+/-0.028 χ^2/NDF:2366533.5/41

Out: 204.549+/-0.028 χ^2/NDF:3051580.7/47

All: 203.165+/-0.020 χ^2/NDF: 5423041.5/89

asym_bpm0l09WS_mean vs Slug, Sign Corrected



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: -62.930+/-69.122 χ^2/NDF: 3139.0/22

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

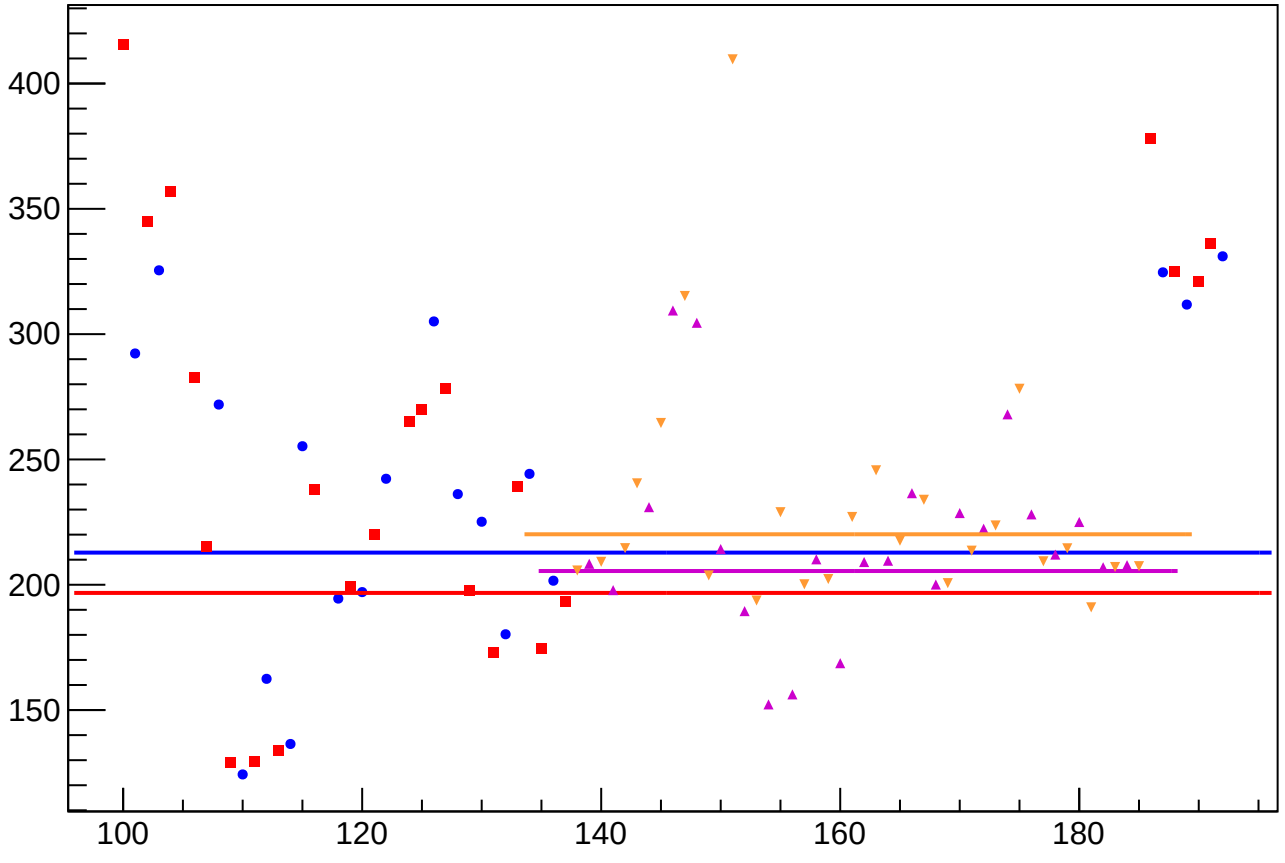
Right: -290.667+/-50.919 χ^2/NDF: 4115.7/41

In: 122.801+/-41.376 χ^2/NDF:2312.1/41

Out: 440.433+/-41.096 χ^2/NDF:5139.0/47

All: 282.696+/-29.158 χ^2/NDF: 7480.7/89

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: 196.741+/-0.049 χ^2/NDF: 2137976.9/22

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

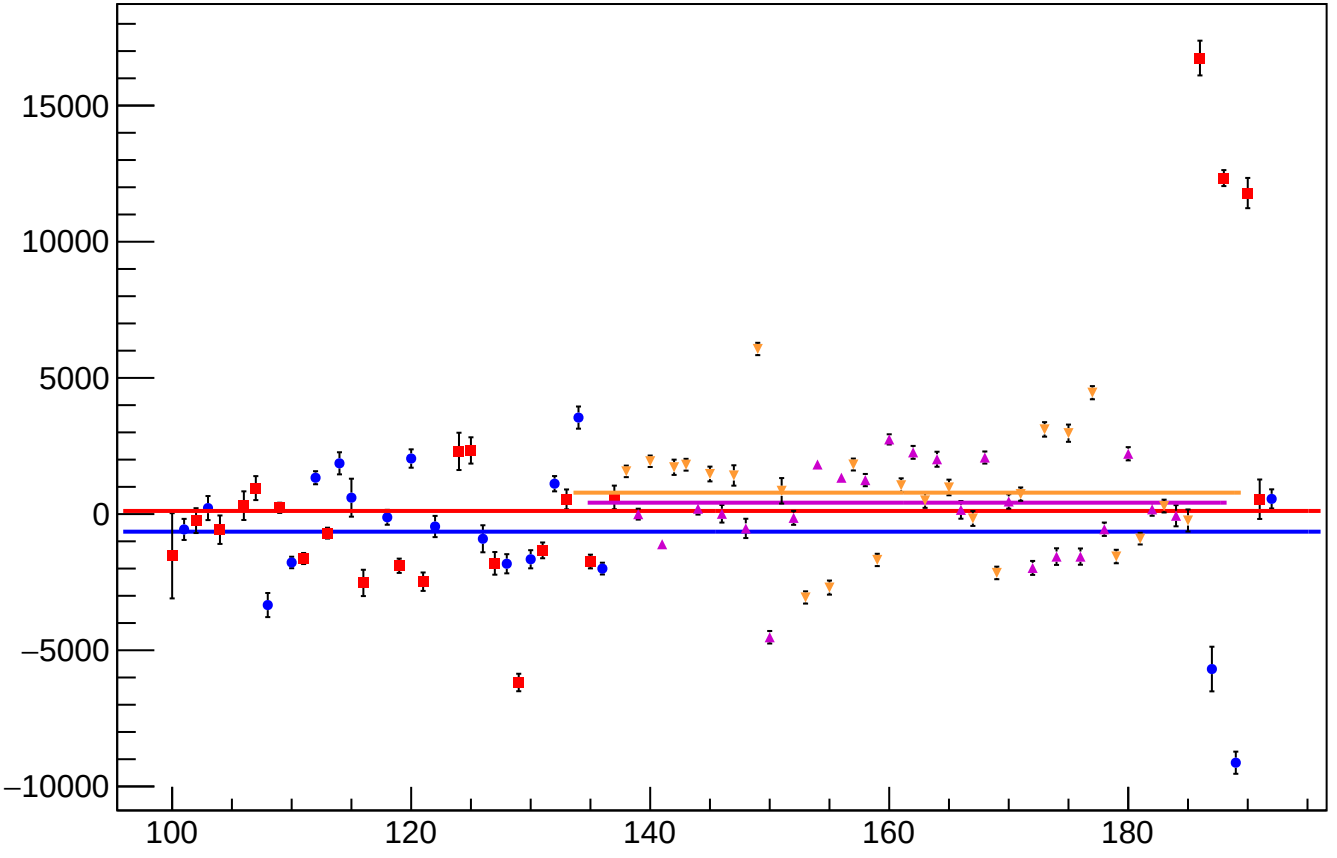
Right: 204.098+/-0.036 χ^2/NDF: 3549424.5/41

In: 207.700+/-0.029 χ^2/NDF:2389159.0/41

Out: 211.872+/-0.029 χ^2/NDF:3085918.0/47

All: 209.800+/-0.021 χ^2/NDF: 5485314.0/89

asym_bpm0l10WS_mean vs Slug, Sign Corrected



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: 115.206+/-69.876 χ^2/NDF: 3621.9/22

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

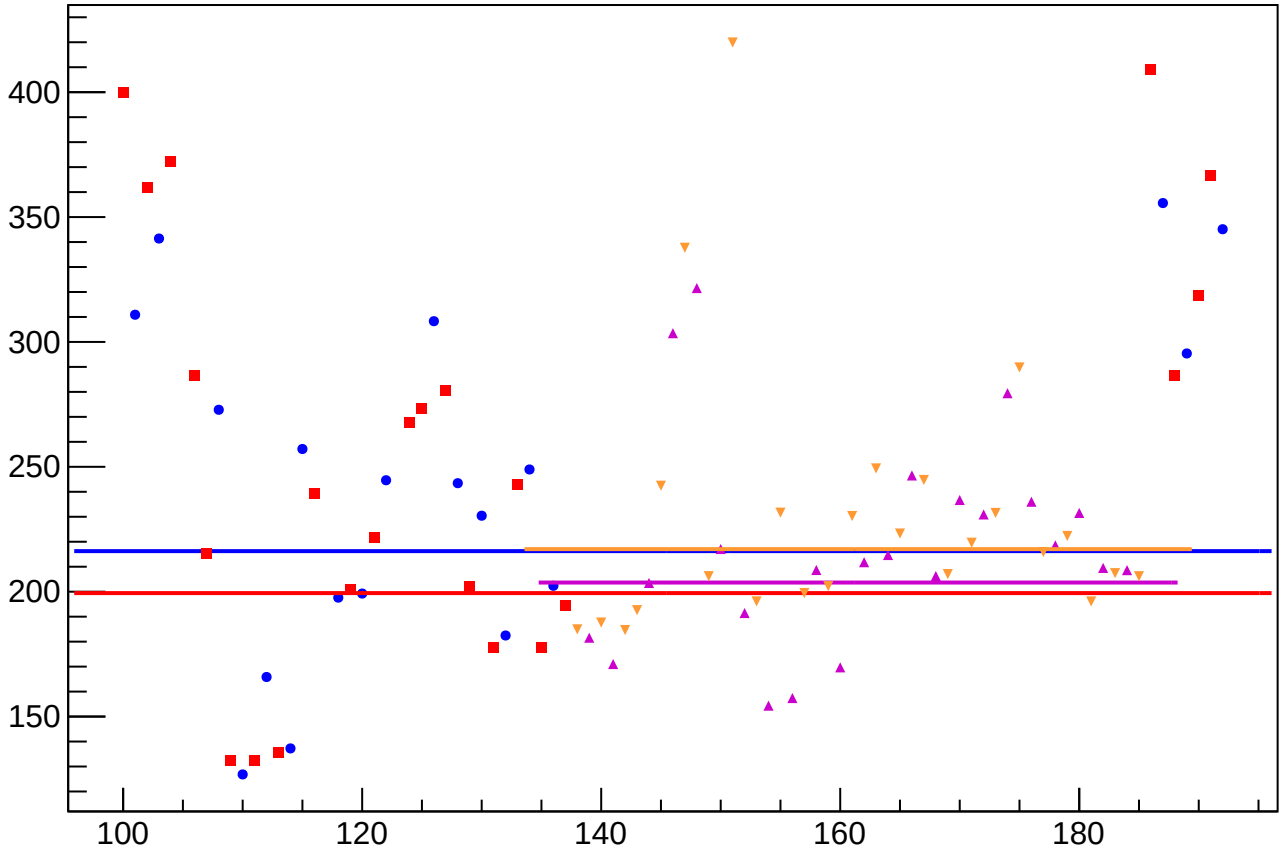
Right: -230.468+/-51.620 χ^2/NDF: 4612.1/41

In: 108.277+/-41.366 χ^2/NDF:2284.1/41

Out: 556.312+/-40.943 χ^2/NDF:5620.1/47

All: 334.599+/-29.099 χ^2/NDF: 7963.5/89

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: 199.438+/-0.049 χ^2/NDF: 2053808.4/22

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

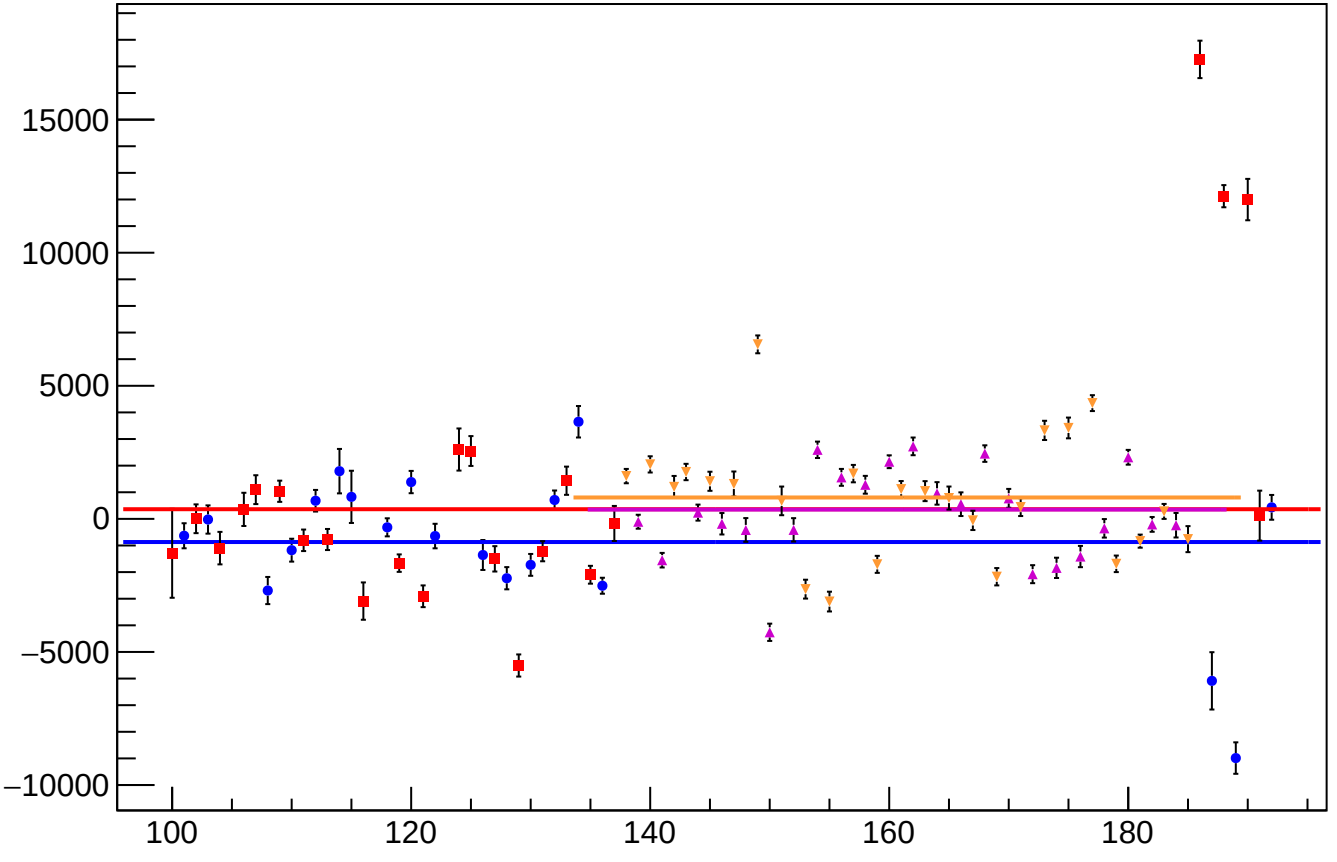
Right: 207.071+/-0.037 χ^2/NDF: 3511456.4/41

In: 207.330+/-0.029 χ^2/NDF:2608672.9/41

Out: 210.997+/-0.029 χ^2/NDF:3120315.9/47

All: 209.182+/-0.021 χ^2/NDF: 5736928.4/89

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: 362.941+/-102.119 χ^2/NDF: 2067.8/22

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

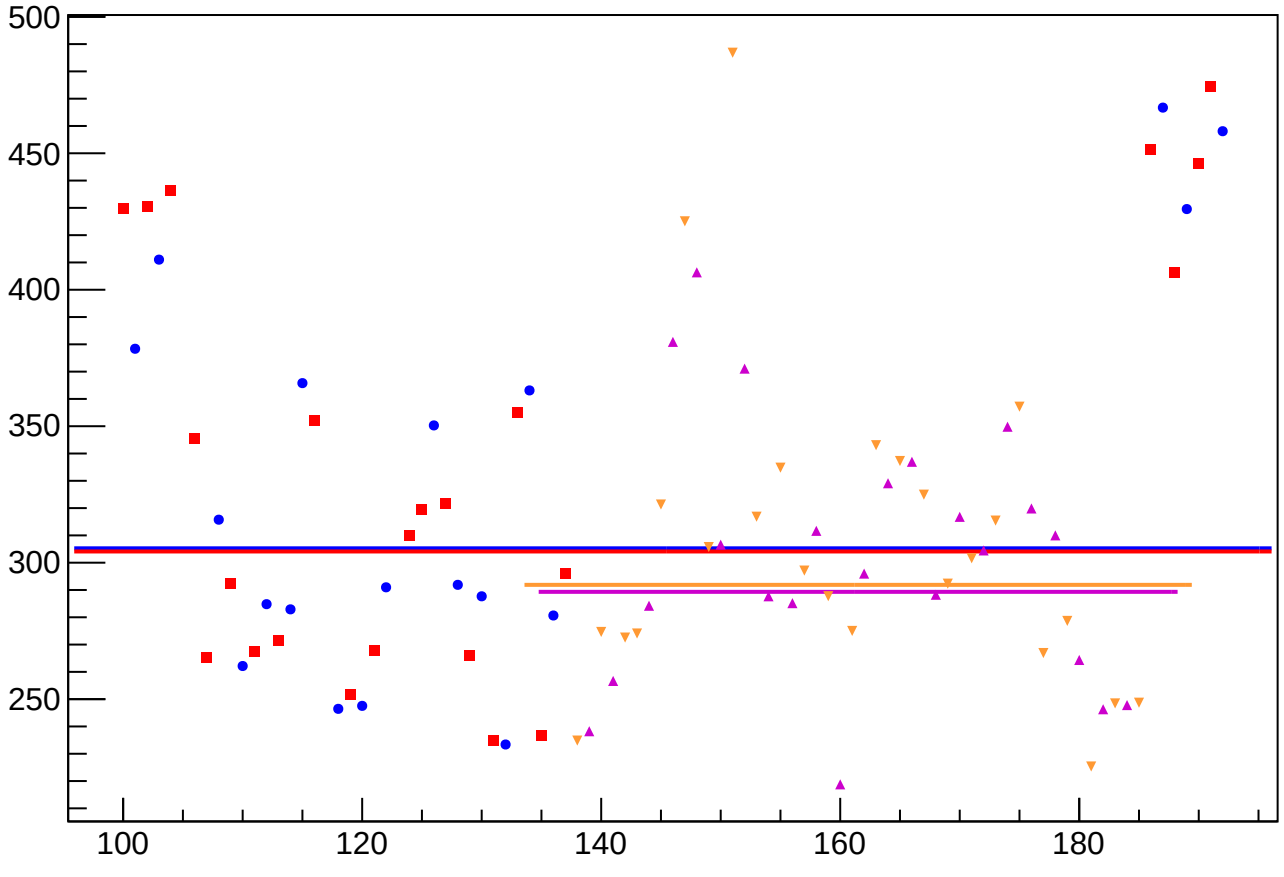
Right: -233.833+/-73.355 χ^2/NDF: 2557.6/41

In: -15.640+/-57.727 χ^2/NDF:1169.1/41

Out: 669.184+/-56.422 χ^2/NDF:3138.5/47

All: 334.599+/-40.350 χ^2/NDF: 4379.5/89

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: 304.111+/-0.072 χ^2/NDF: 870758.5/22

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

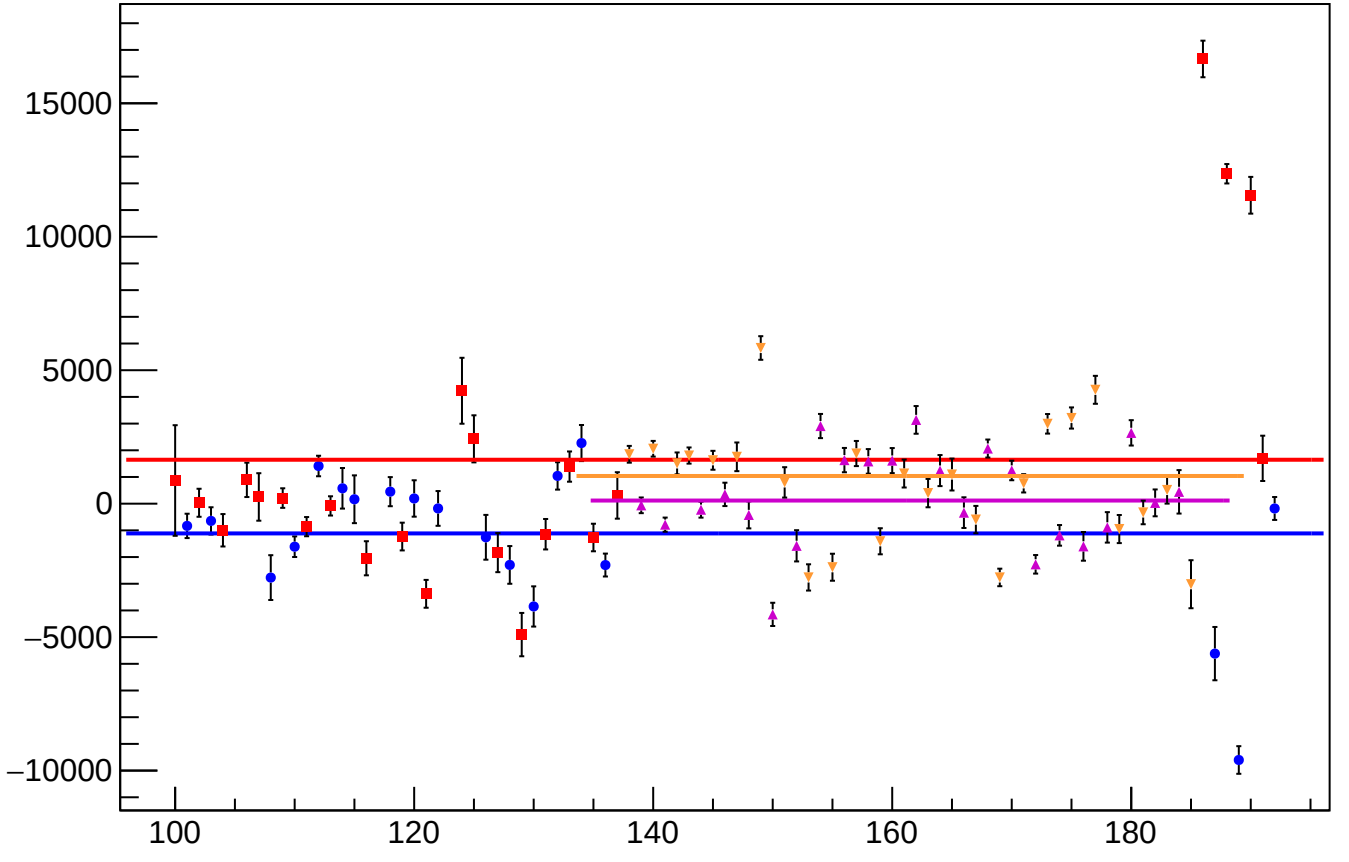
Right: 304.670+/-0.052 χ^2/NDF: 1614726.1/41

In: 294.100+/-0.041 χ^2/NDF:1584475.8/41

Out: 295.615+/-0.040 χ^2/NDF:1850601.2/47

All: 294.875+/-0.029 χ^2/NDF: 3435781.6/89

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: 1645.631+/-117.258 χ^2/NDF: 1983.9/22

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

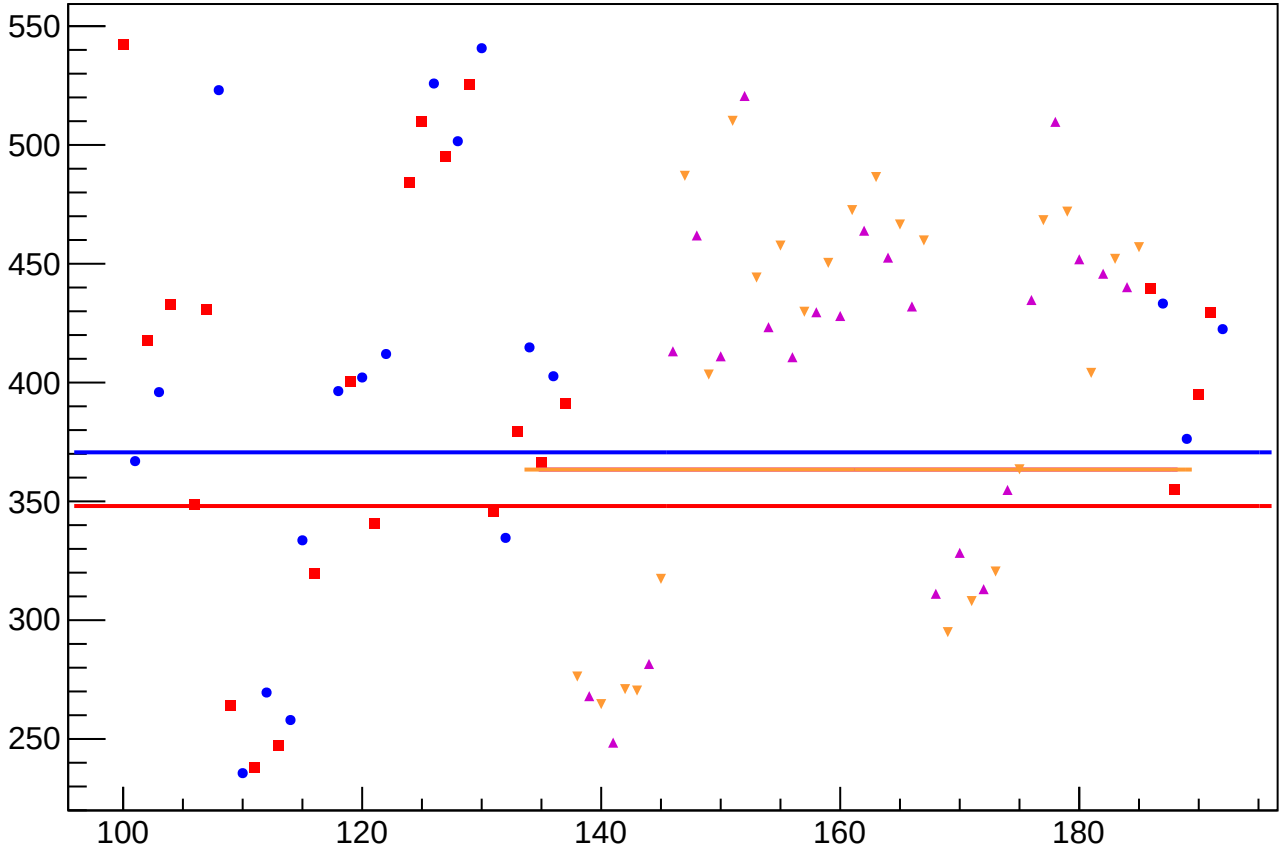
Right: 385.154+/-86.430 χ^2/NDF: 2668.1/41

In: -275.214+/-72.194 χ^2/NDF:864.8/41

Out: 1247.516+/-68.926 χ^2/NDF:2571.7/47

All: 521.390+/-49.853 χ^2/NDF: 3669.2/89

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: 348.039+/-0.083 χ^2/NDF: 927314.8/22

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

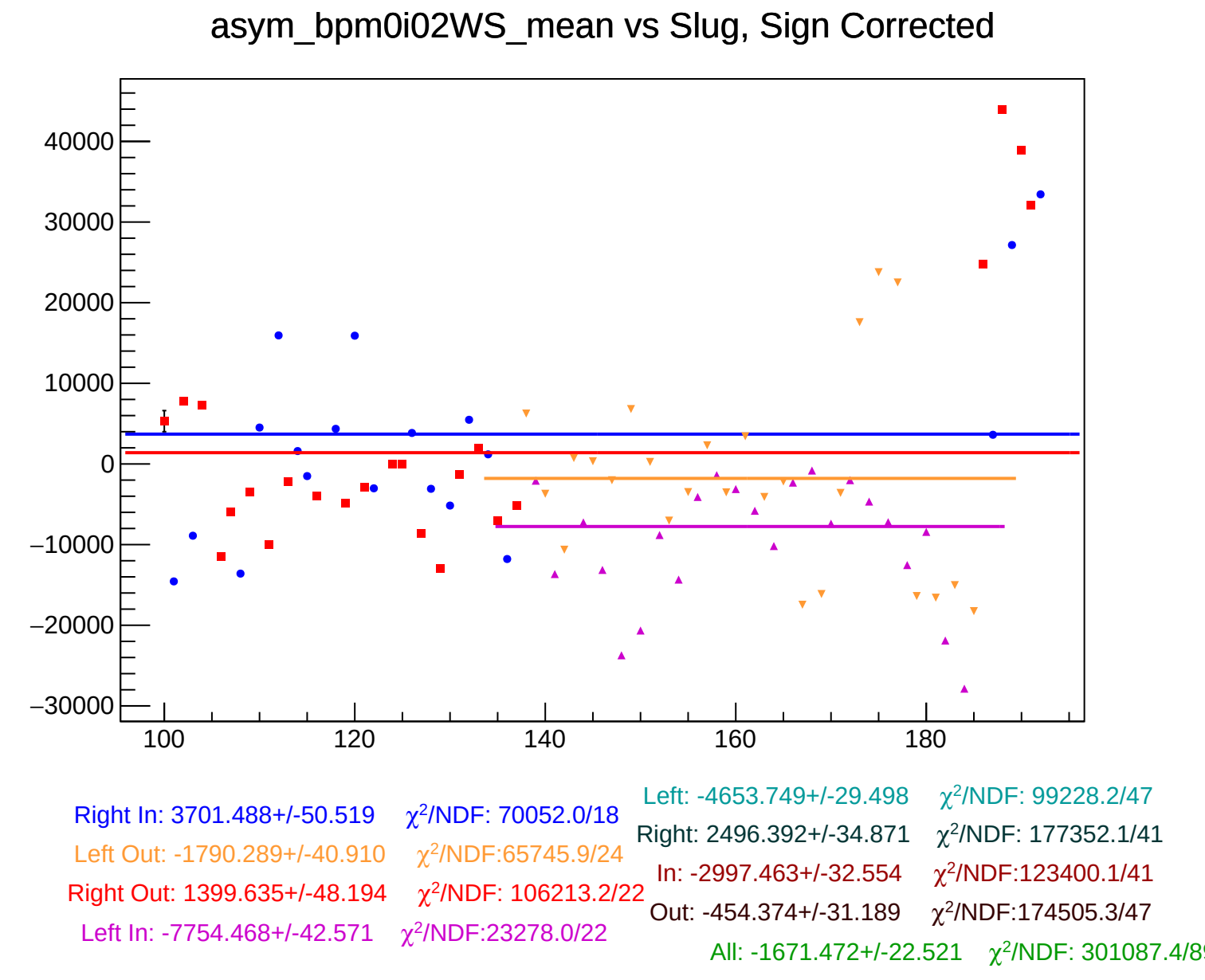
Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

Right: 358.359+/-0.061 χ^2/NDF: 1784634.4/41

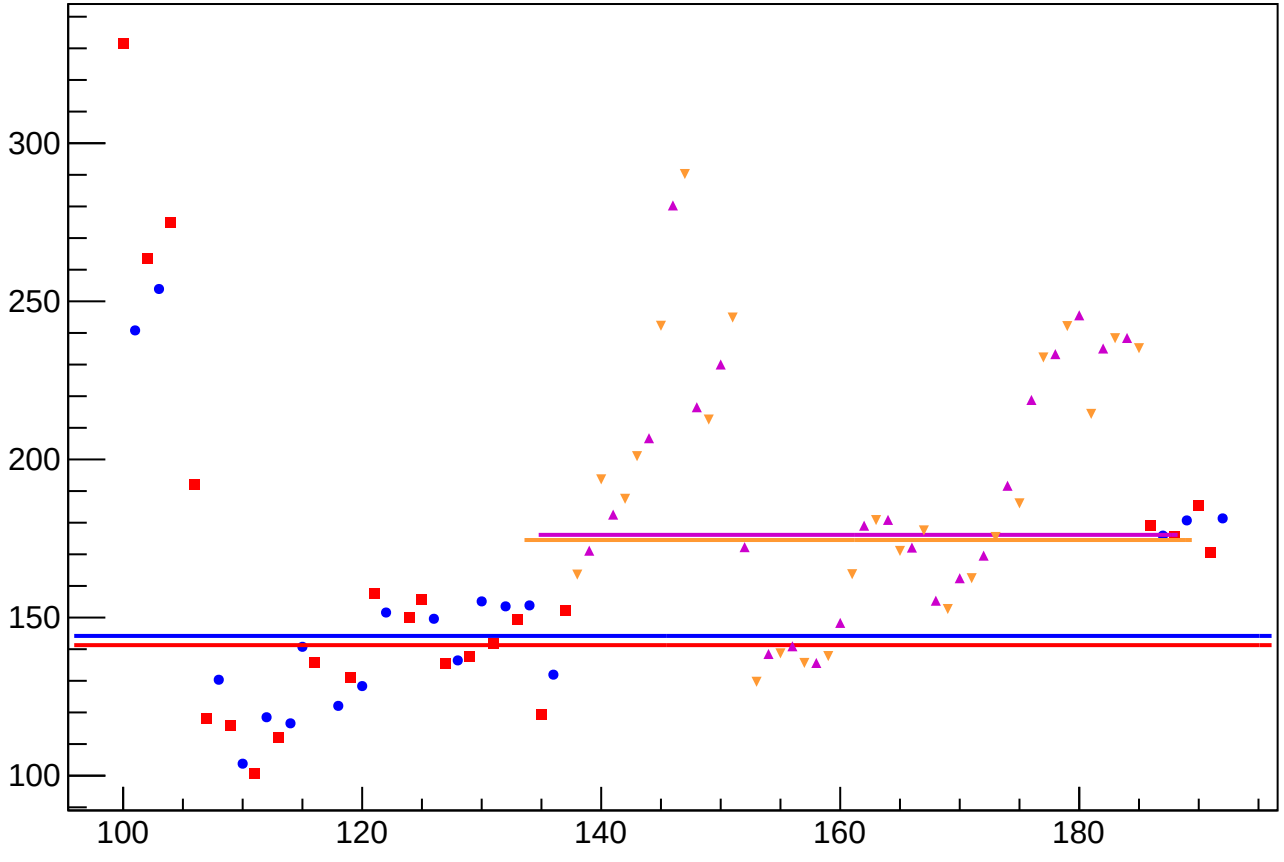
In: 365.696+/-0.051 χ^2/NDF:2539376.1/41

Out: 358.084+/-0.049 χ^2/NDF:2890238.2/47

All: 361.714+/-0.035 χ^2/NDF: 5441247.5/89


asym_bpm0i02WS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
Right In: 3701.488+/-50.519 χ²/NDF: 70052.0/18
Left Out: -1790.289+/-40.910 χ²/NDF:65745.9/24
Right Out: 1399.635+/-48.194 χ²/NDF: 106213.2/22
Left In: -7754.468+/-42.571 χ²/NDF:23278.0/22
Left: -4653.749+/-29.498 χ²/NDF: 99228.2/47
Right: 2496.392+/-34.871 χ²/NDF: 177352.1/41
In: -2997.463+/-32.554 χ²/NDF:123400.1/41
Out: -454.374+/-31.189 χ²/NDF:174505.3/47
All: -1671.472+/-22.521 χ²/NDF: 301087.4/8

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: 141.280+/-0.034 χ^2/NDF: 1078491.2/22

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

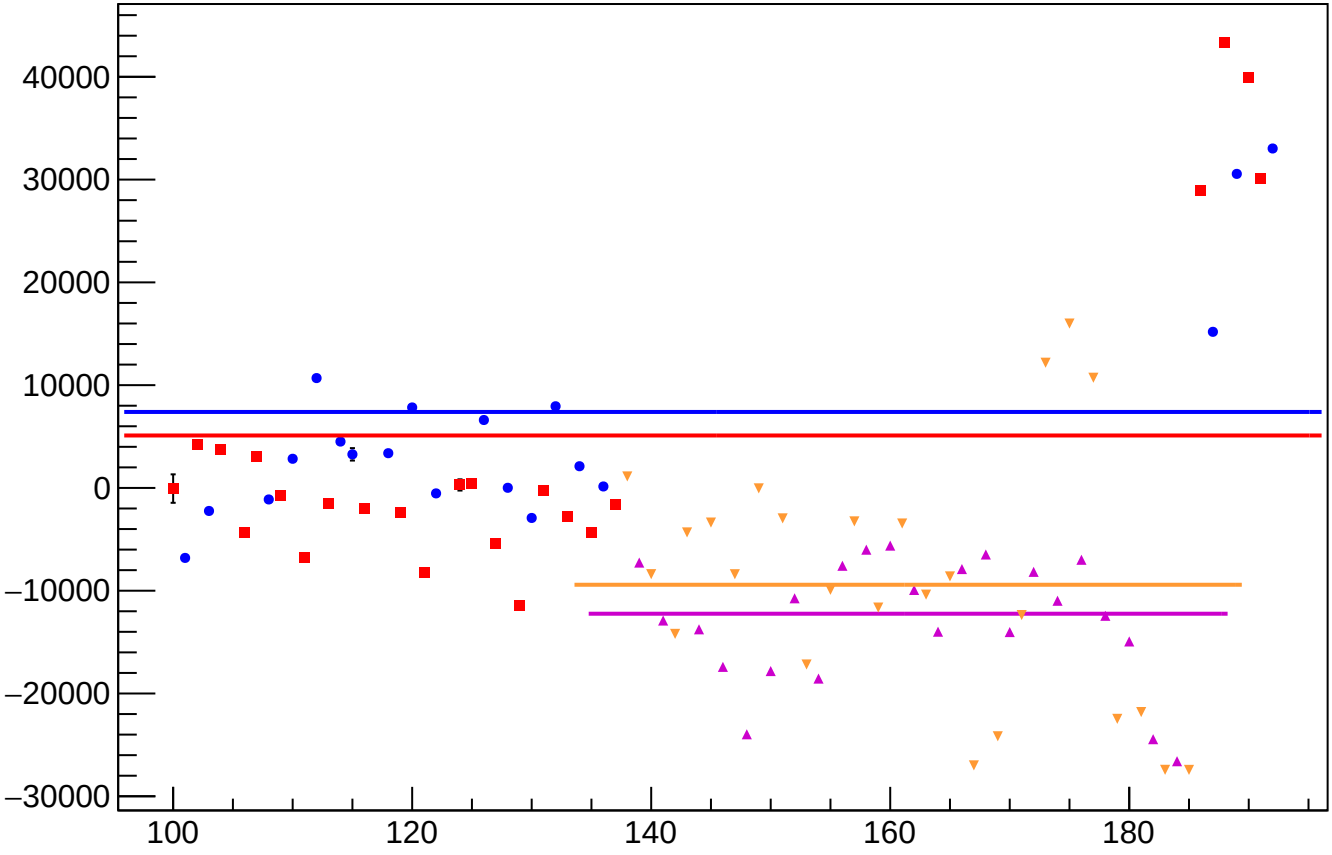
Right: 142.670+/-0.025 χ^2/NDF: 1896171.5/41

In: 162.884+/-0.023 χ^2/NDF:2649275.6/41

Out: 160.600+/-0.022 χ^2/NDF:3290923.8/47

All: 161.693+/-0.016 χ^2/NDF: 5945334.1/89

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: 5103.221+/-58.463 χ^2/NDF: 84614.5/22

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

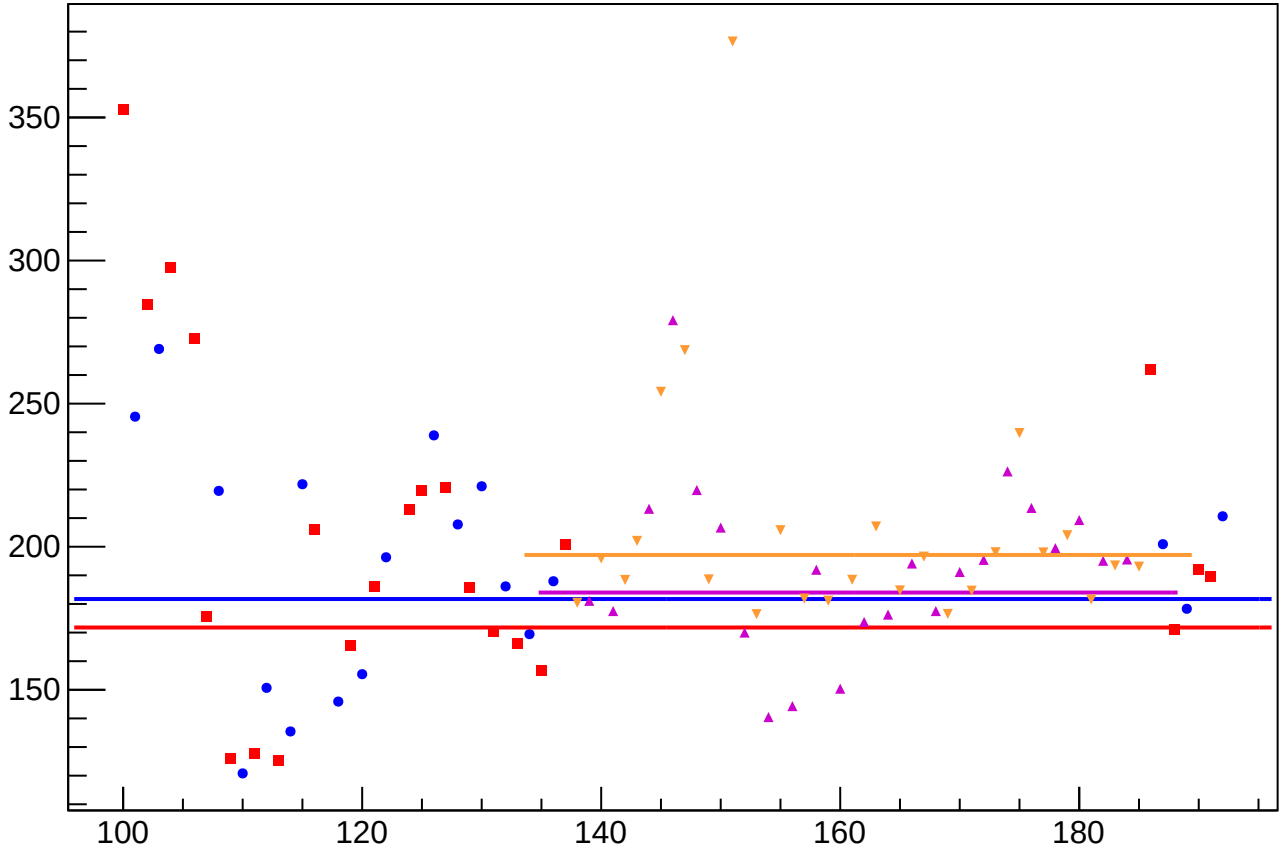
Right: 6161.464+/-42.876 χ^2/NDF: 117400.3/41

In: -5773.570+/-36.194 χ^2/NDF:113073.8/41

Out: -3911.981+/-36.004 χ^2/NDF:187641.2/47

All: -4837.886+/-25.525 χ^2/NDF: 302044.7/8

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: 171.775+/-0.041 χ^2/NDF: 1094041.7/22

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

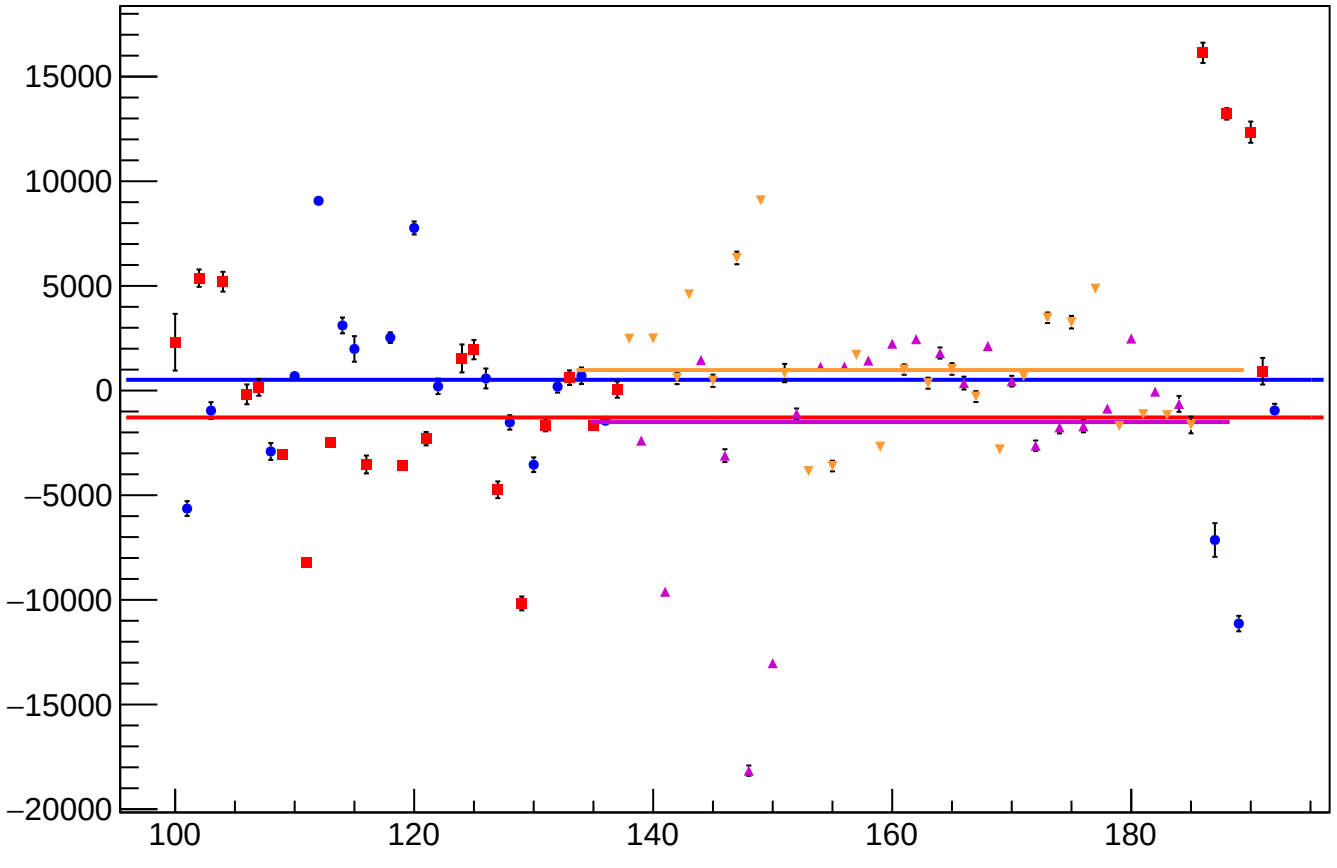
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 176.371+/-0.030 χ^2/NDF: 1839797.4/41

In: 183.240+/-0.026 χ^2/NDF:1550509.5/41

Out: 187.509+/-0.025 χ^2/NDF:2059948.0/47

All: 185.385+/-0.018 χ^2/NDF: 3624443.6/89



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: -1285.938+/-65.492 χ^2/NDF: 7790.2/22

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

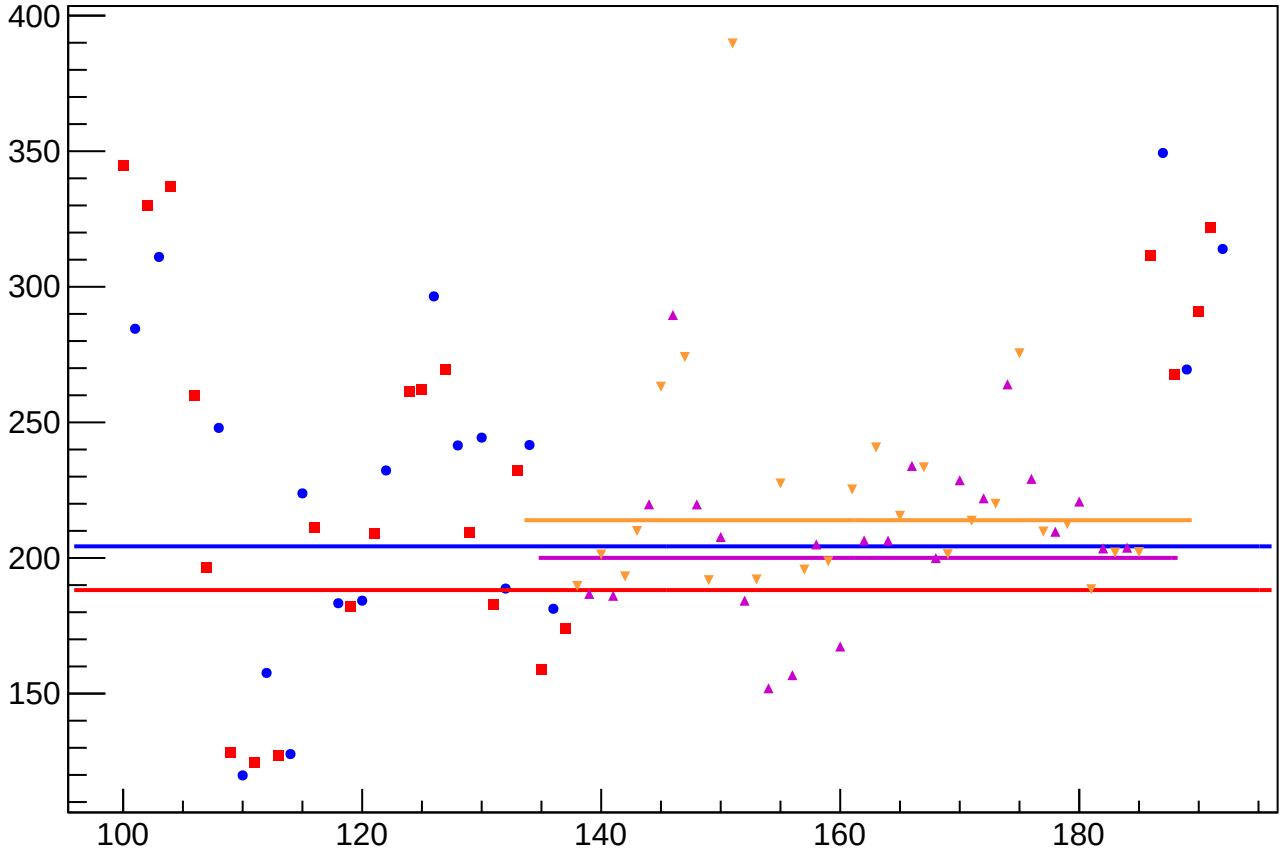
Right: -473.008+/-48.502 χ^2/NDF: 11954.8/41

In: -884.935+/-39.998 χ^2/NDF:15846.4/41

Out: 152.924+/-39.544 χ^2/NDF:12872.7/47

All: -360.079+/-28.121 χ^2/NDF: 29059.7/89

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: 188.164+/-0.046 χ^2/NDF: 1877824.0/22

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

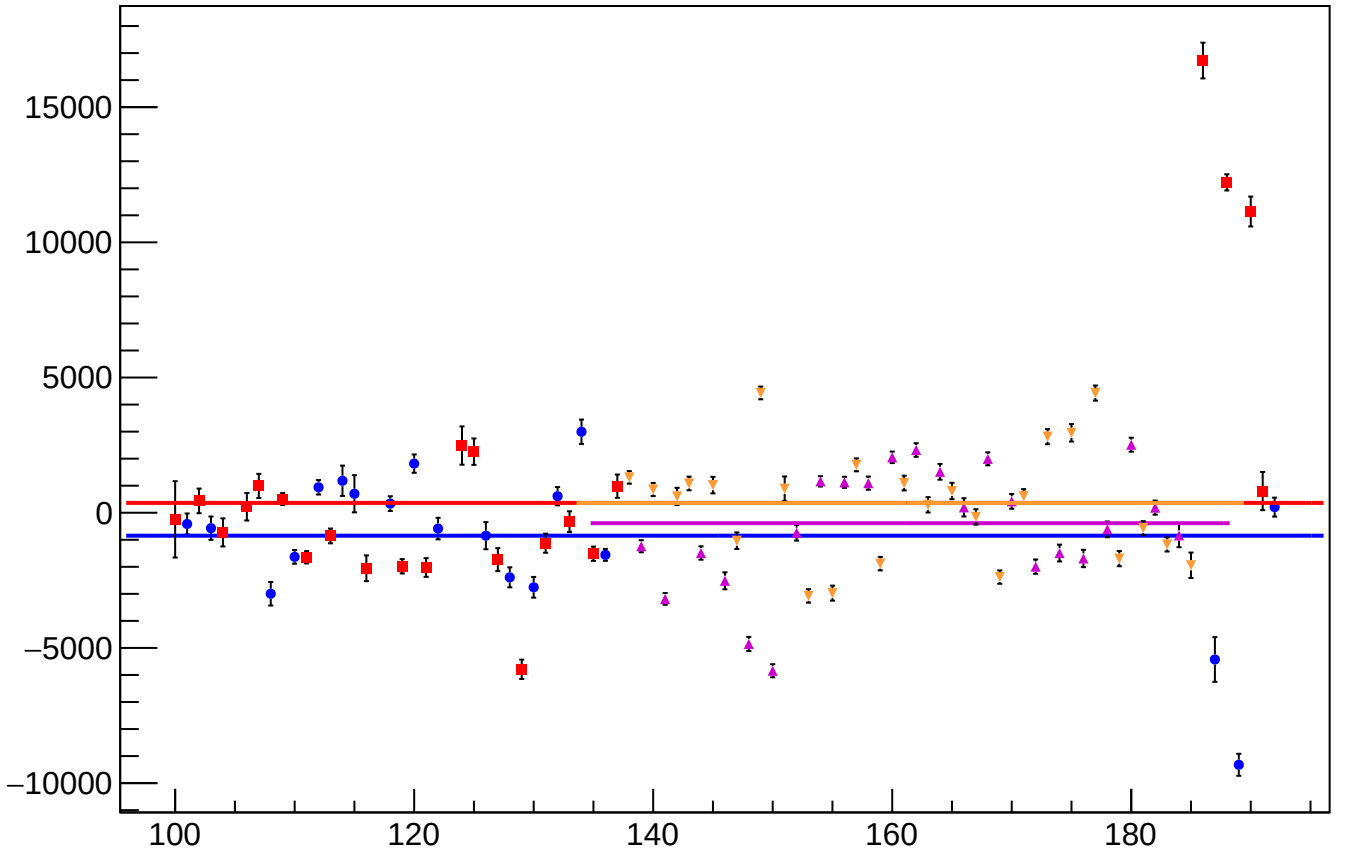
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 195.445+/-0.034 χ^2/NDF: 3297511.0/41

In: 201.338+/-0.028 χ^2/NDF:2155289.1/41

Out: 204.537+/-0.028 χ^2/NDF:2808187.5/47

All: 202.956+/-0.020 χ^2/NDF: 4969946.6/89



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: 363.876+/-76.396 χ^2/NDF: 3235.8/22

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

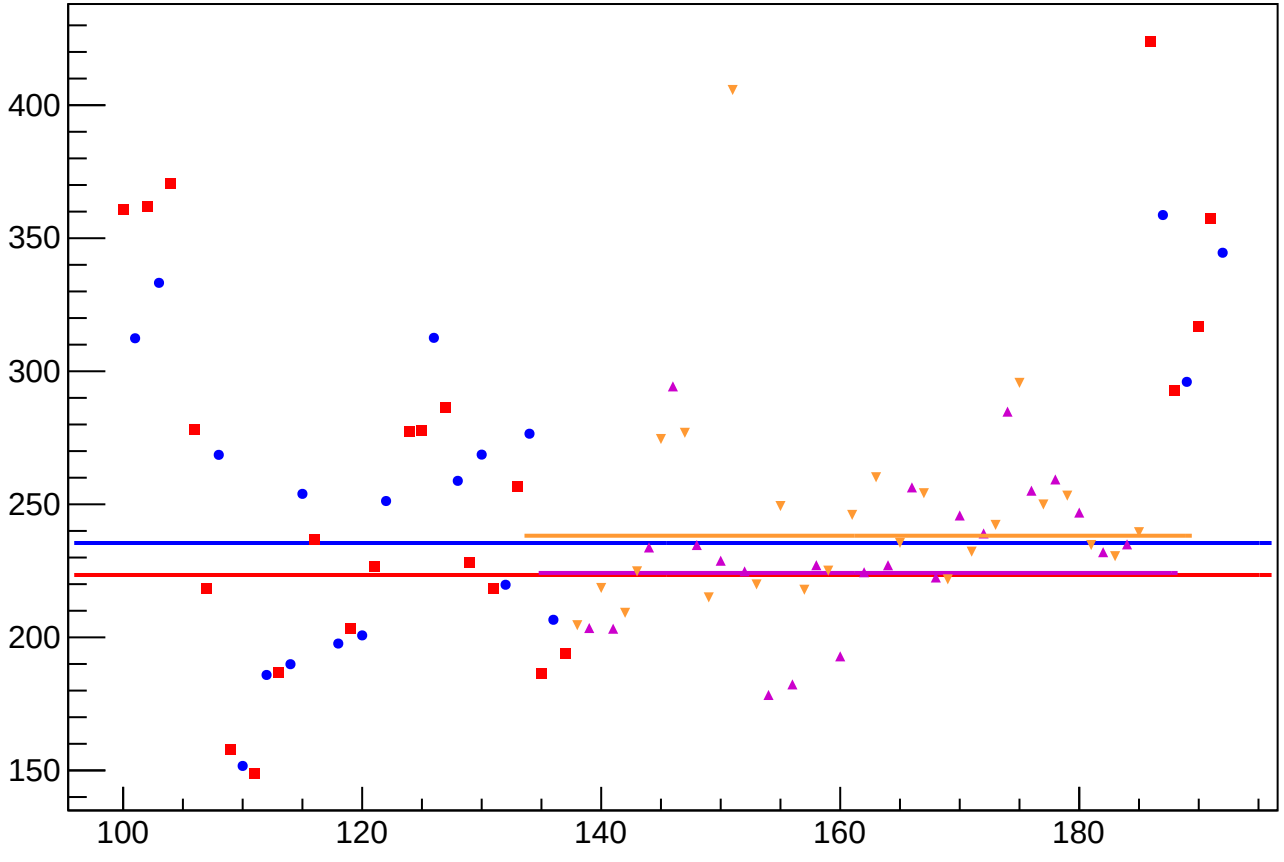
Right: -199.627+/-55.896 χ^2/NDF: 4149.2/41

In: -524.950+/-44.823 χ^2/NDF:2622.7/41

Out: 360.454+/-44.631 χ^2/NDF:4654.7/47

All: -80.351+/-31.627 χ^2/NDF: 7473.3/89

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: 223.443+/-0.054 χ^2/NDF: 1396374.0/22

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

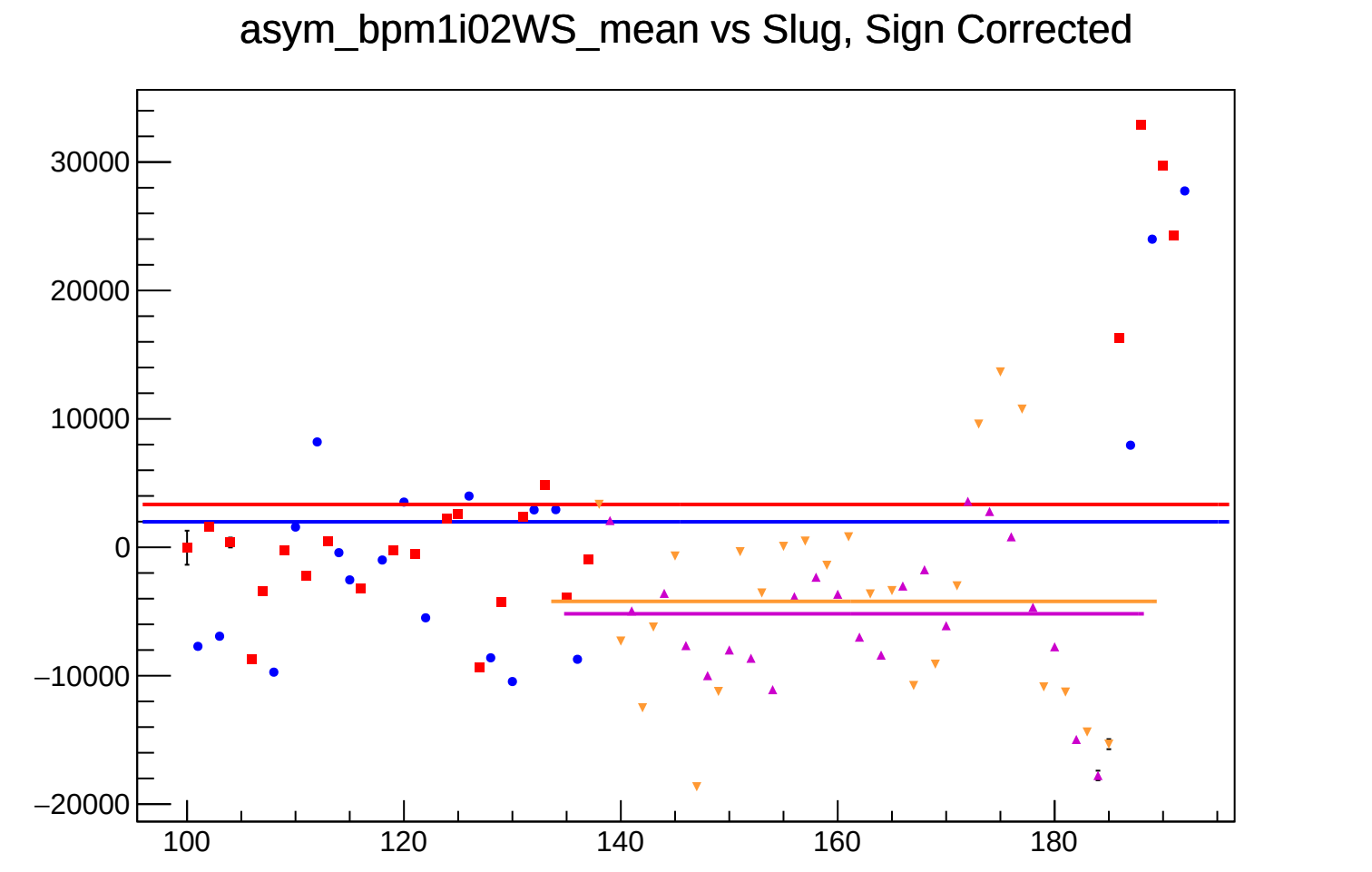
Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

Right: 229.030+/-0.040 χ^2/NDF: 2386275.5/41

In: 227.575+/-0.032 χ^2/NDF:1556530.0/41

Out: 233.163+/-0.032 χ^2/NDF:2013462.1/47

All: 230.381+/-0.022 χ^2/NDF: 3585600.8/89



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: 3338.017+/-40.924 χ^2/NDF: 80268.8/22

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

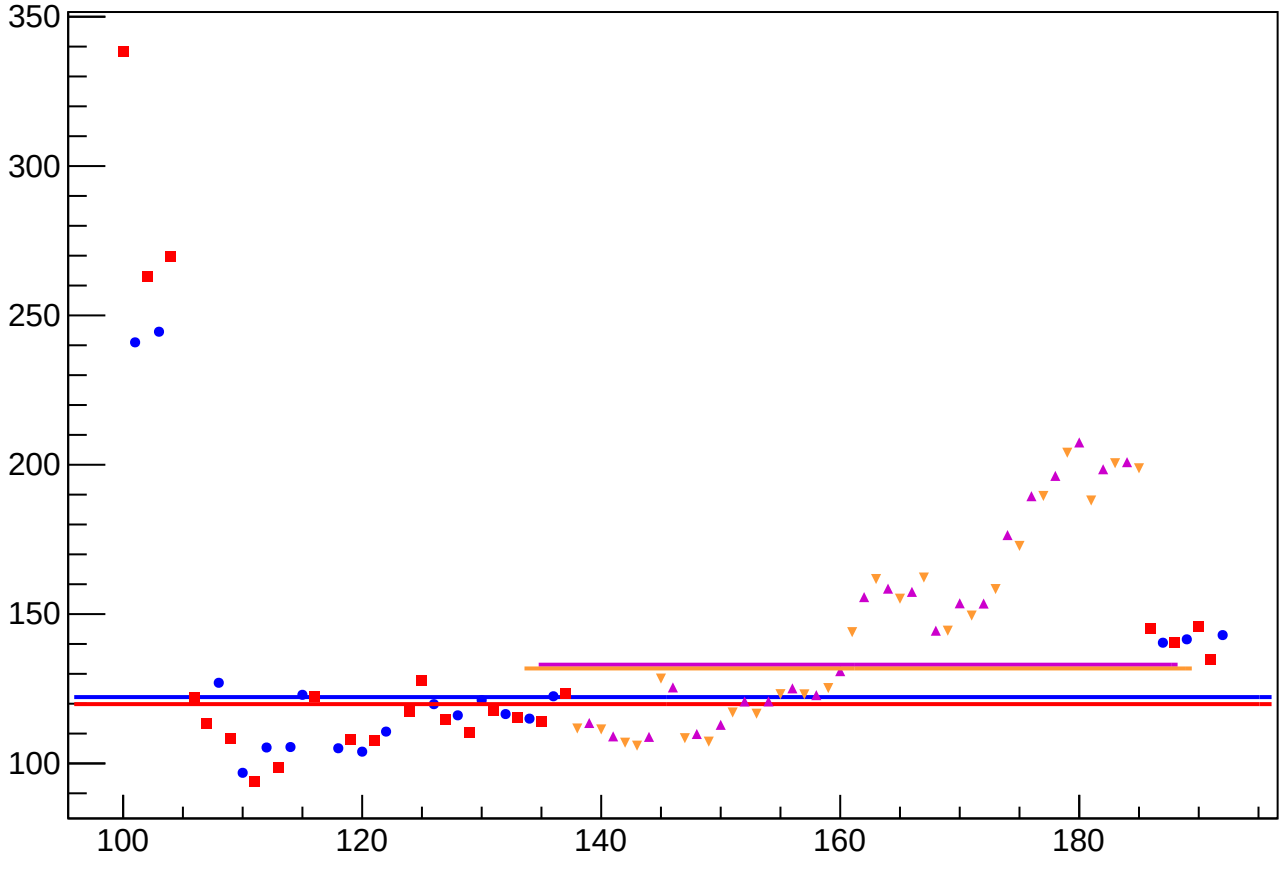
Right: 2694.501+/-29.643 χ^2/NDF: 149242.0/41

In: -2628.279+/-25.655 χ^2/NDF:104864.0/41

Out: -1477.768+/-24.623 χ^2/NDF:158777.5/47

All: -2029.432+/-17.765 χ^2/NDF: 264688.4/8

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: 119.862+/-0.029 χ^2/NDF: 974976.2/22

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

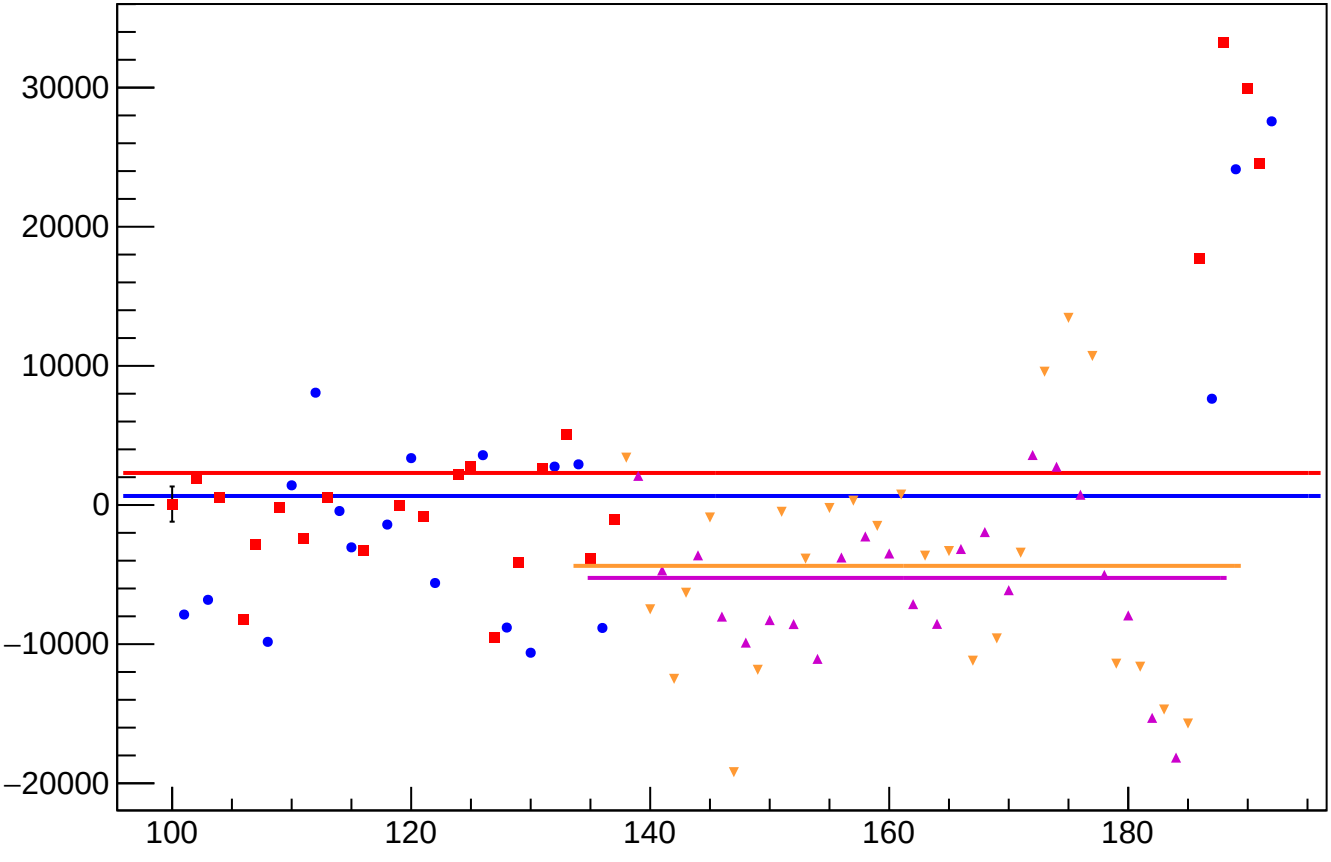
Right: 120.980+/-0.021 χ^2/NDF: 1790774.8/41

In: 129.200+/-0.018 χ^2/NDF:2312874.9/41

Out: 127.476+/-0.017 χ^2/NDF:2627854.3/47

All: 128.303+/-0.013 χ^2/NDF: 4945425.9/89

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: 2304.080+/-35.560 χ^2/NDF: 89221.3/22

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

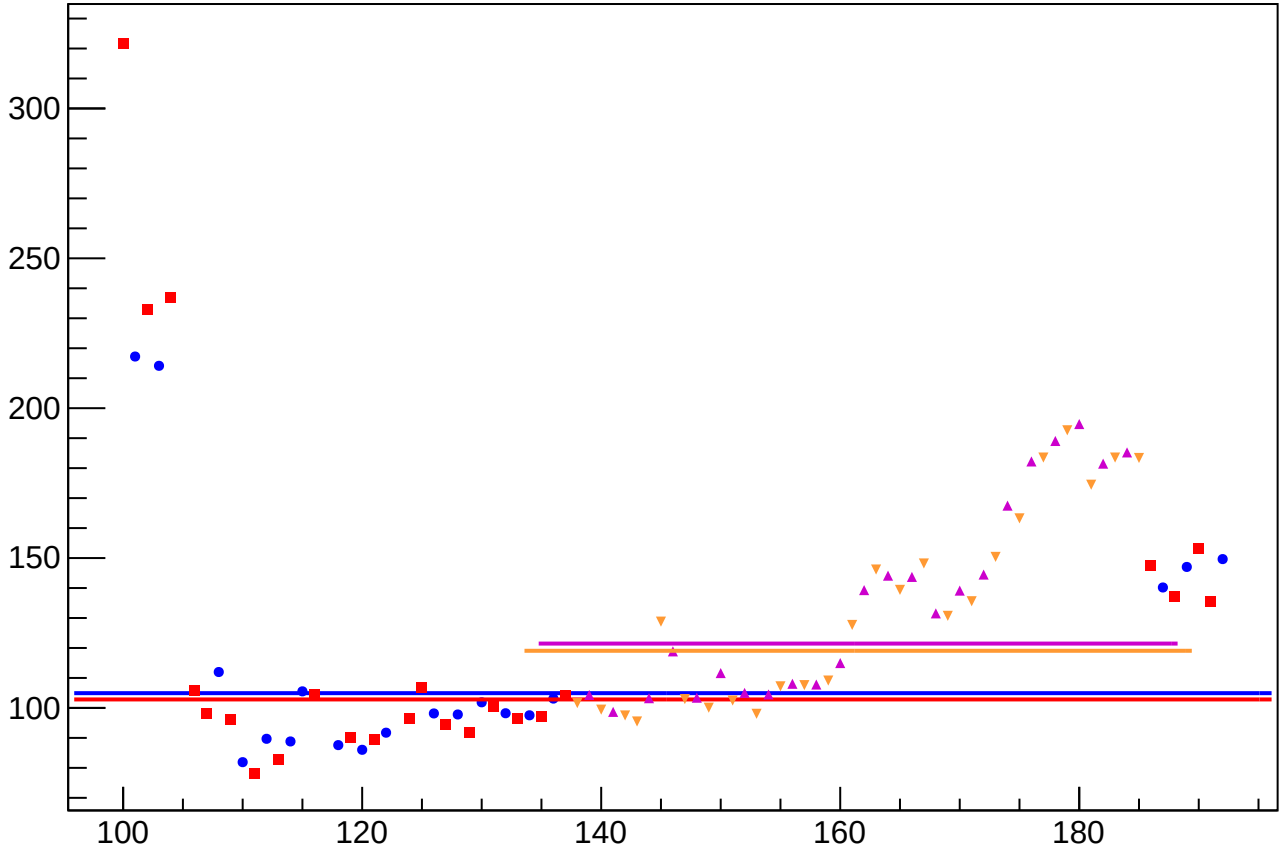
Right: 1519.397+/-25.783 χ^2/NDF: 163144.0/41

In: -3007.417+/-23.050 χ^2/NDF:110534.2/41

Out: -1822.425+/-21.977 χ^2/NDF:178228.8/47

All: -2386.691+/-15.906 χ^2/NDF: 290147.4/8

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: 102.829+/-0.025 χ^2/NDF: 1262638.8/22

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

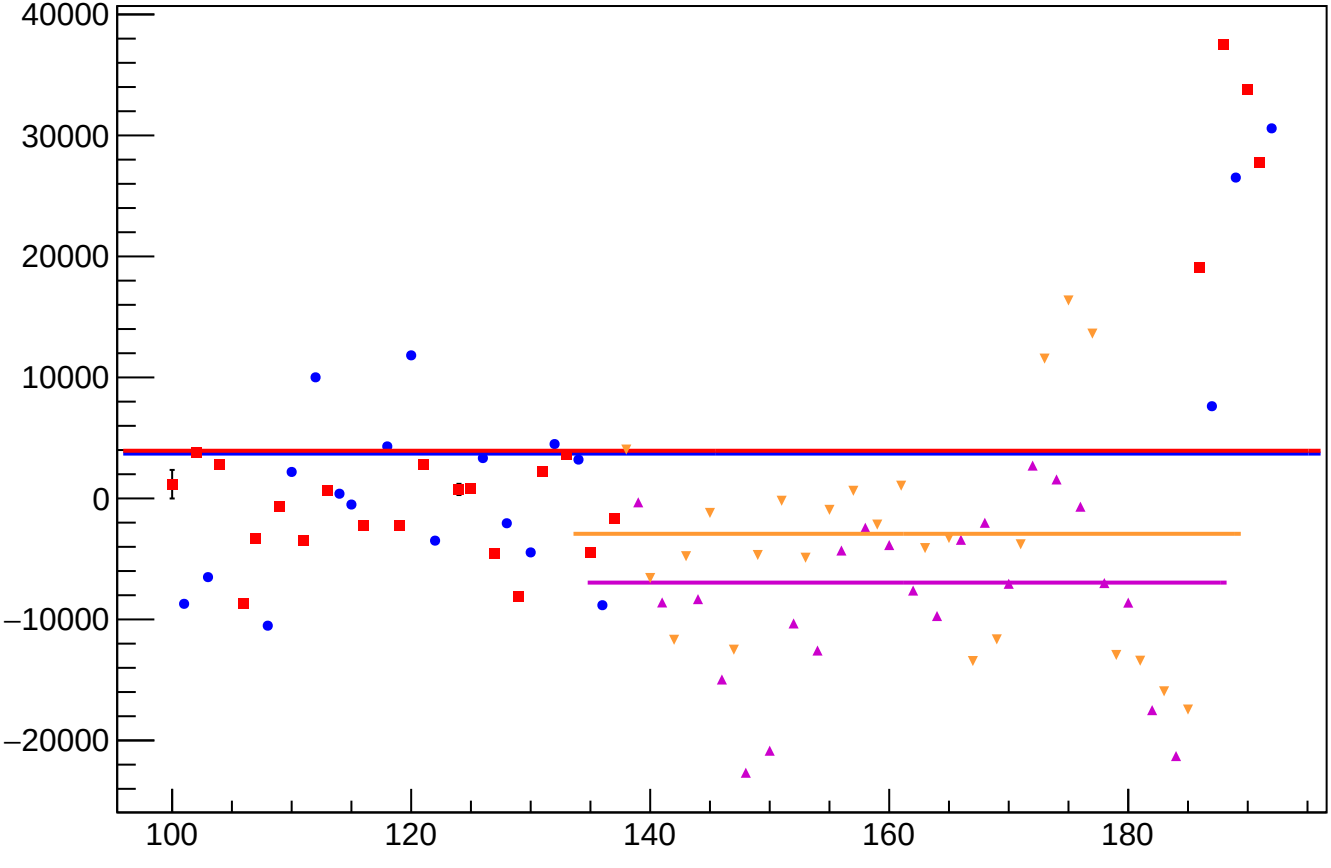
Right: 103.823+/-0.018 χ^2/NDF: 2390477.6/41

In: 115.197+/-0.016 χ^2/NDF:2896390.9/41

Out: 112.863+/-0.016 χ^2/NDF:3275717.5/47

All: 113.975+/-0.011 χ^2/NDF: 6182851.9/89

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: 3940.613+/-47.561 χ^2/NDF: 74551.2/22

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

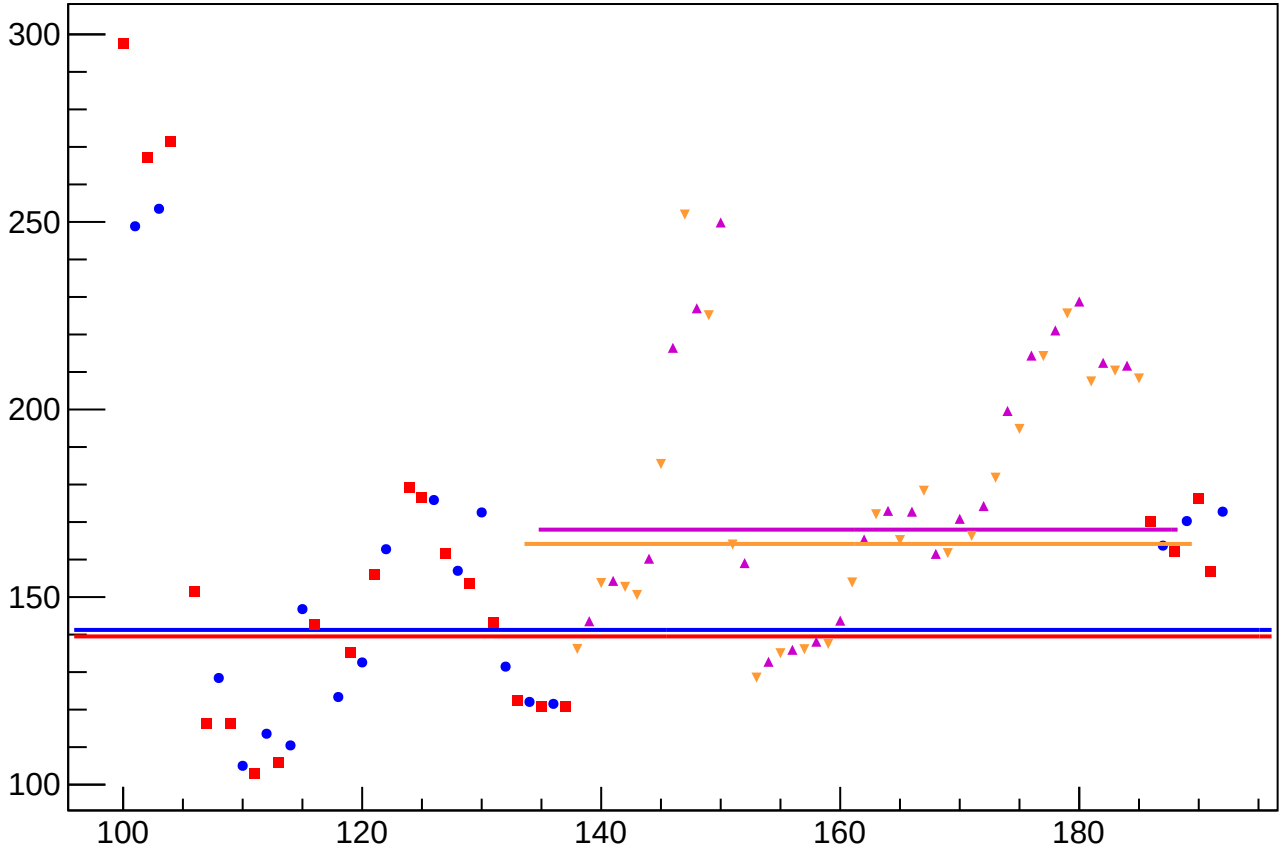
Right: 3828.468+/-34.313 χ^2/NDF: 129133.2/41

In: -2718.555+/-31.240 χ^2/NDF:104814.0/41

Out: -232.880+/-29.776 χ^2/NDF:125267.1/47

All: -1416.116+/-21.554 χ^2/NDF: 233398.4/8

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: 139.511+/-0.034 χ^2/NDF: 1035673.7/22

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

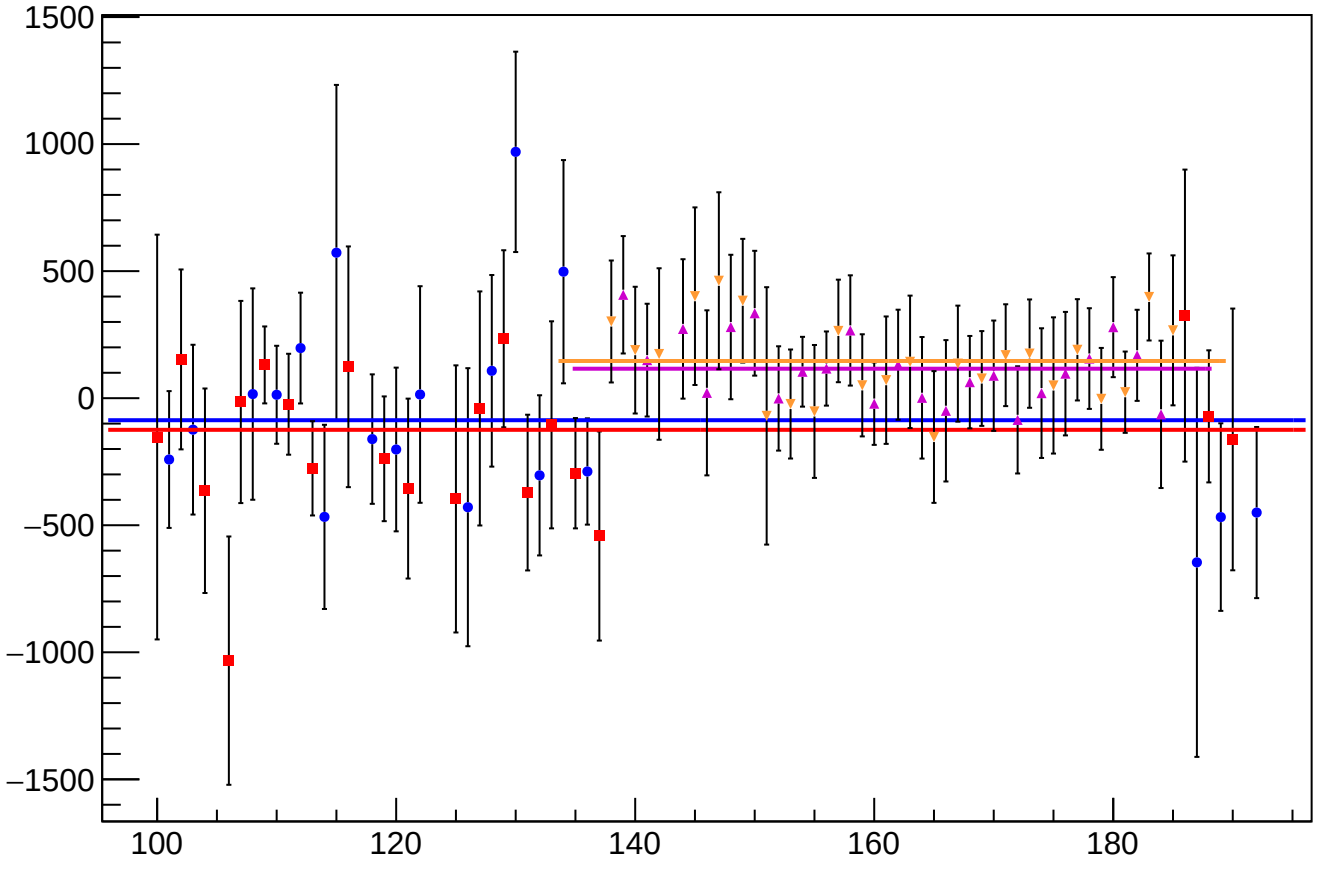
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 140.344+/-0.024 χ^2/NDF: 1952134.1/41

In: 157.352+/-0.022 χ^2/NDF:2488540.3/41

Out: 154.506+/-0.021 χ^2/NDF:2587042.1/47

All: 155.861+/-0.015 χ^2/NDF: 5084276.4/89



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: -124.535+/-65.197 χ^2/NDF: 13.5/20

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

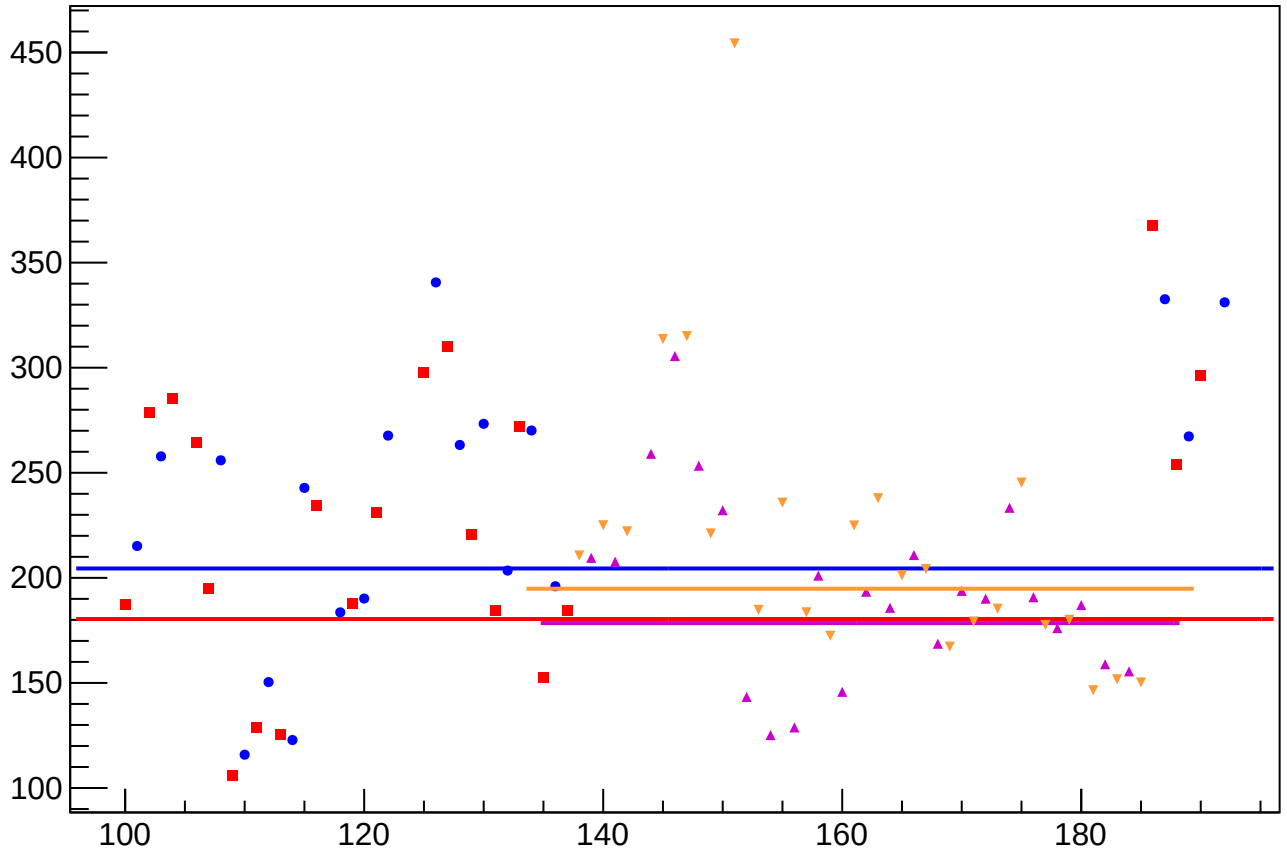
Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

Right: -107.639+/-48.509 χ^2/NDF: 32.2/39

In: 62.251+/-37.381 χ^2/NDF:31.9/41

Out: 53.901+/-38.088 χ^2/NDF:34.8/44

All: 58.154+/-26.679 χ^2/NDF: 66.7/86



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: 180.414+/-0.046 χ^2/NDF: 2107915.8/20

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

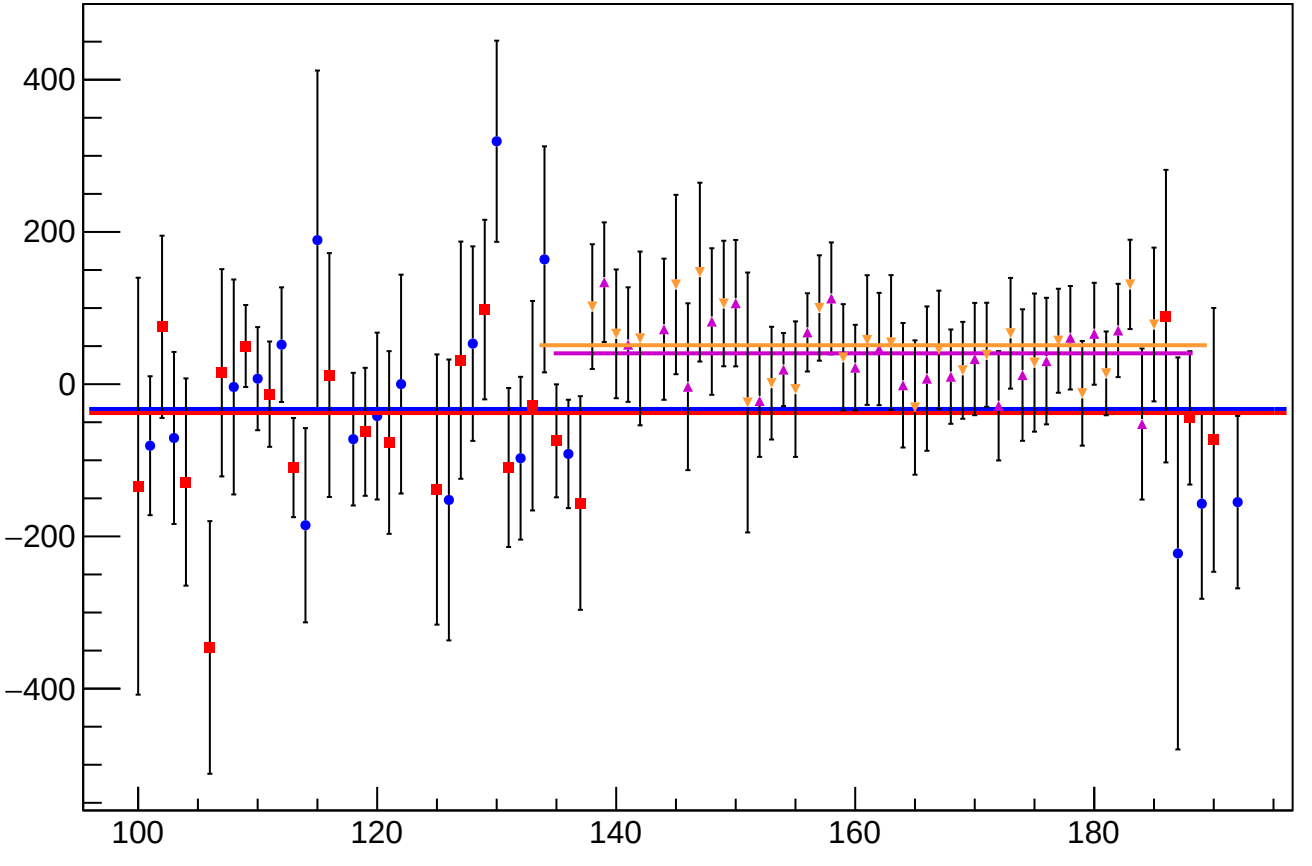
Right: 191.153+/-0.034 χ^2/NDF: 3707431.8/39

In: 185.367+/-0.026 χ^2/NDF:3342654.5/41

Out: 189.909+/-0.027 χ^2/NDF:3924789.0/44

All: 187.595+/-0.019 χ^2/NDF: 7281932.6/86

asym_bcm_2an_us_an_ds_dd_mean vs Slug, Sign Corrected



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: -37.911+/-22.483 χ^2/NDF: 13.1/20

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

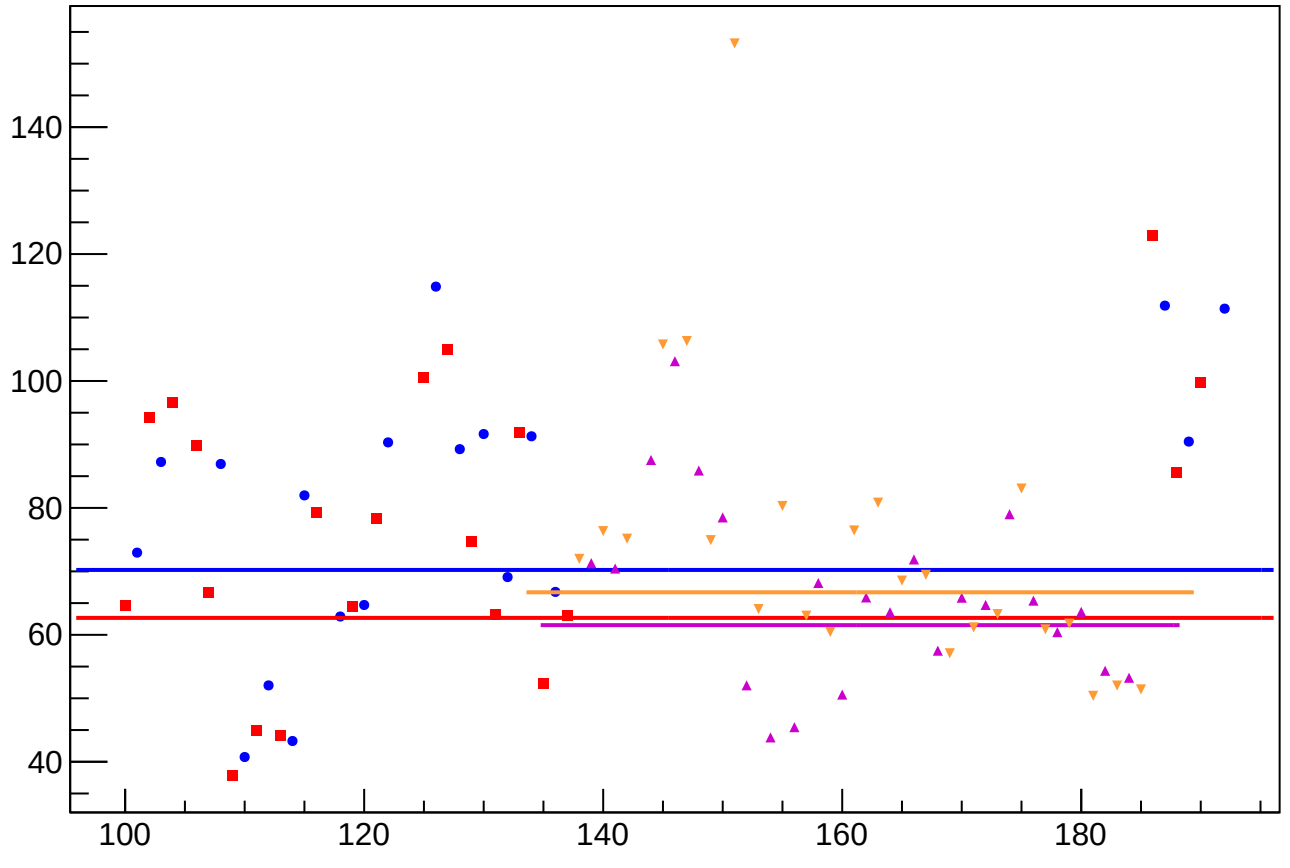
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -35.498+/-16.665 χ^2/NDF: 31.3/39

In: 21.034+/-12.824 χ^2/NDF:32.4/41

Out: 21.125+/-13.056 χ^2/NDF:31.6/44

All: 21.078+/-9.149 χ^2/NDF: 64.0/86



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: 62.673+/-0.016 χ^2/NDF: 1908292.9/20

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

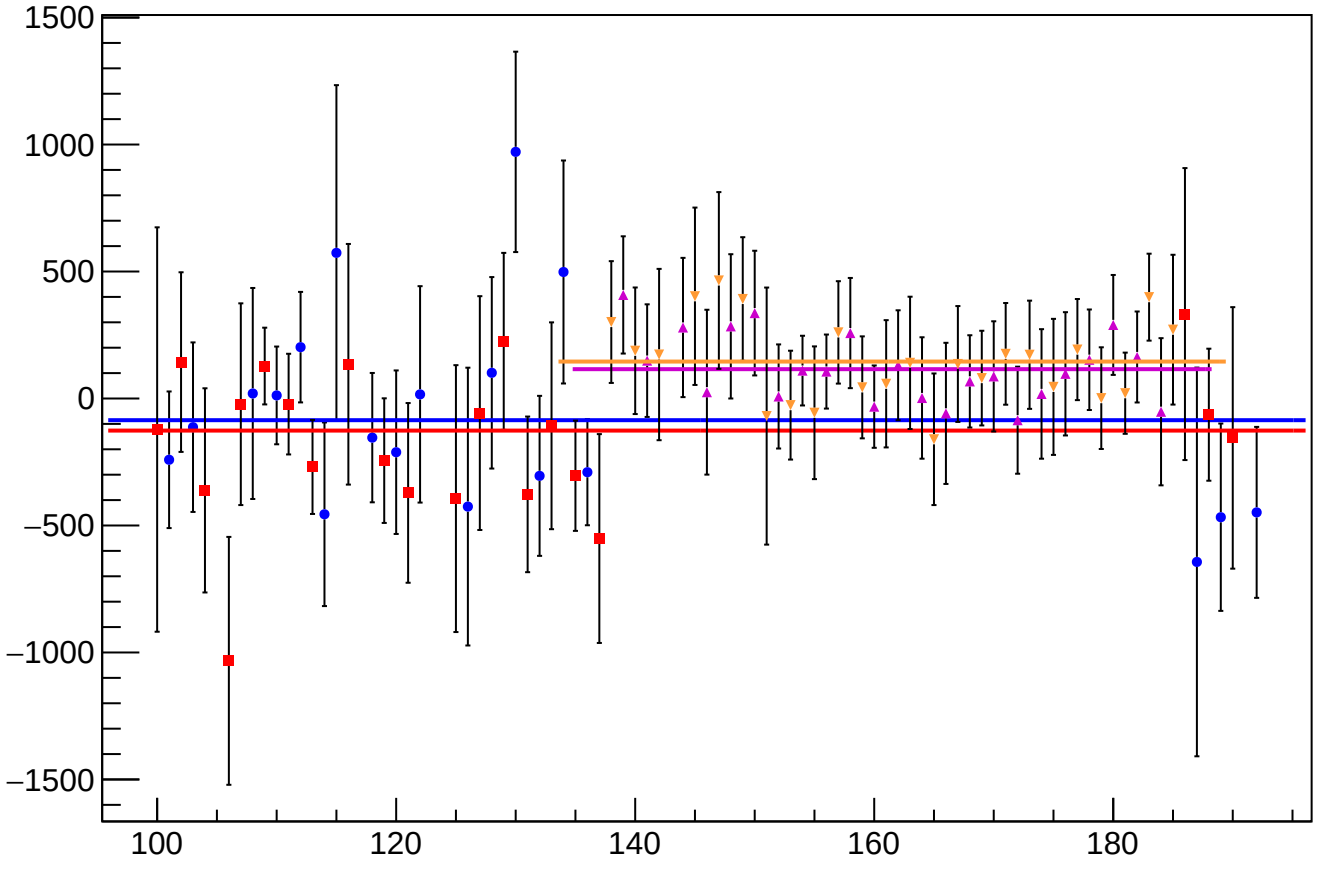
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 66.077+/-0.012 χ^2/NDF: 3361943.7/39

In: 63.850+/-0.009 χ^2/NDF:3021761.6/41

Out: 65.344+/-0.009 χ^2/NDF:3627215.1/44

All: 64.584+/-0.006 χ^2/NDF: 6662305.1/86



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: -126.289+/-65.118 χ^2/NDF: 13.6/20

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

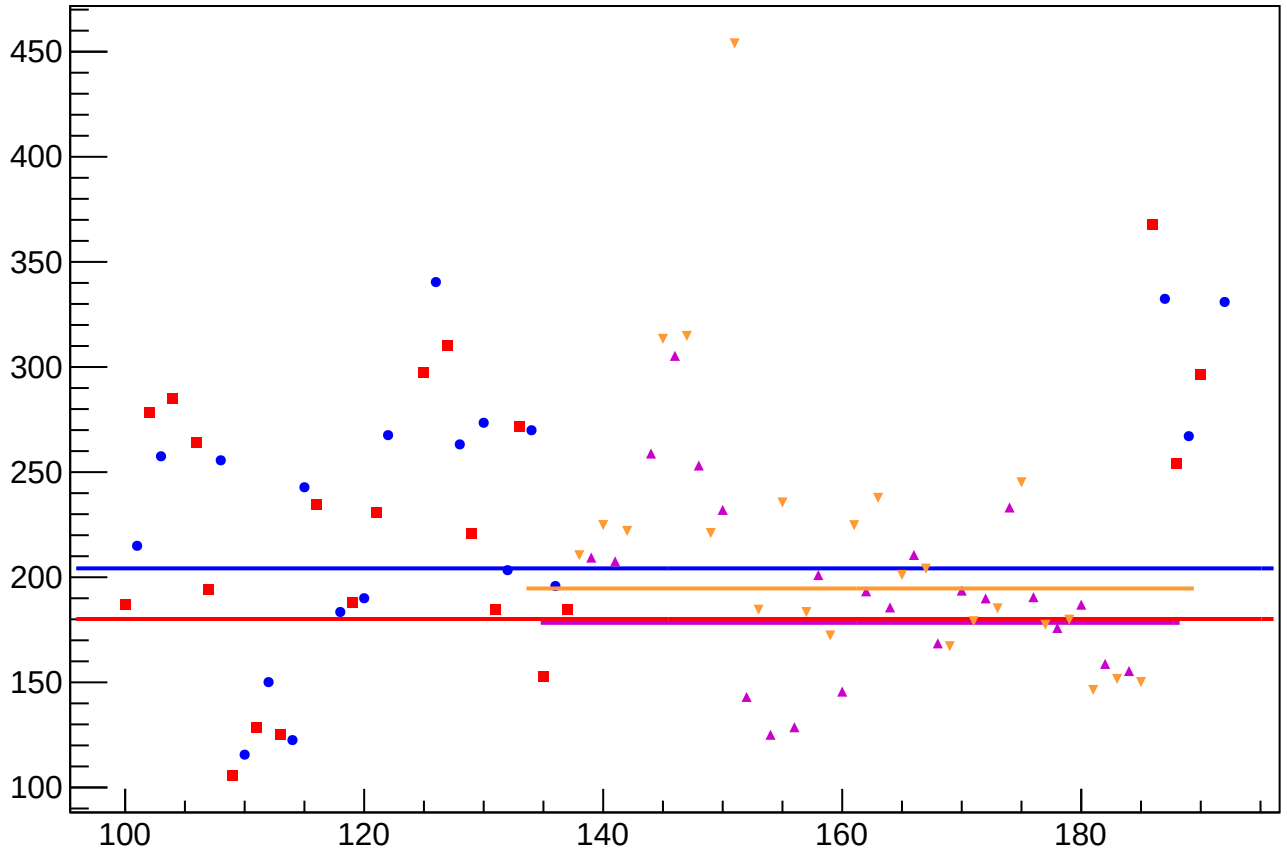
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -108.021+/-48.453 χ^2/NDF: 32.3/39

In: 62.227+/-37.347 χ^2/NDF:31.9/41

Out: 52.682+/-38.051 χ^2/NDF:35.3/44

All: 57.543+/-26.654 χ^2/NDF: 67.2/86



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: 180.149+/-0.046 χ^2/NDF: 2115655.0/20

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

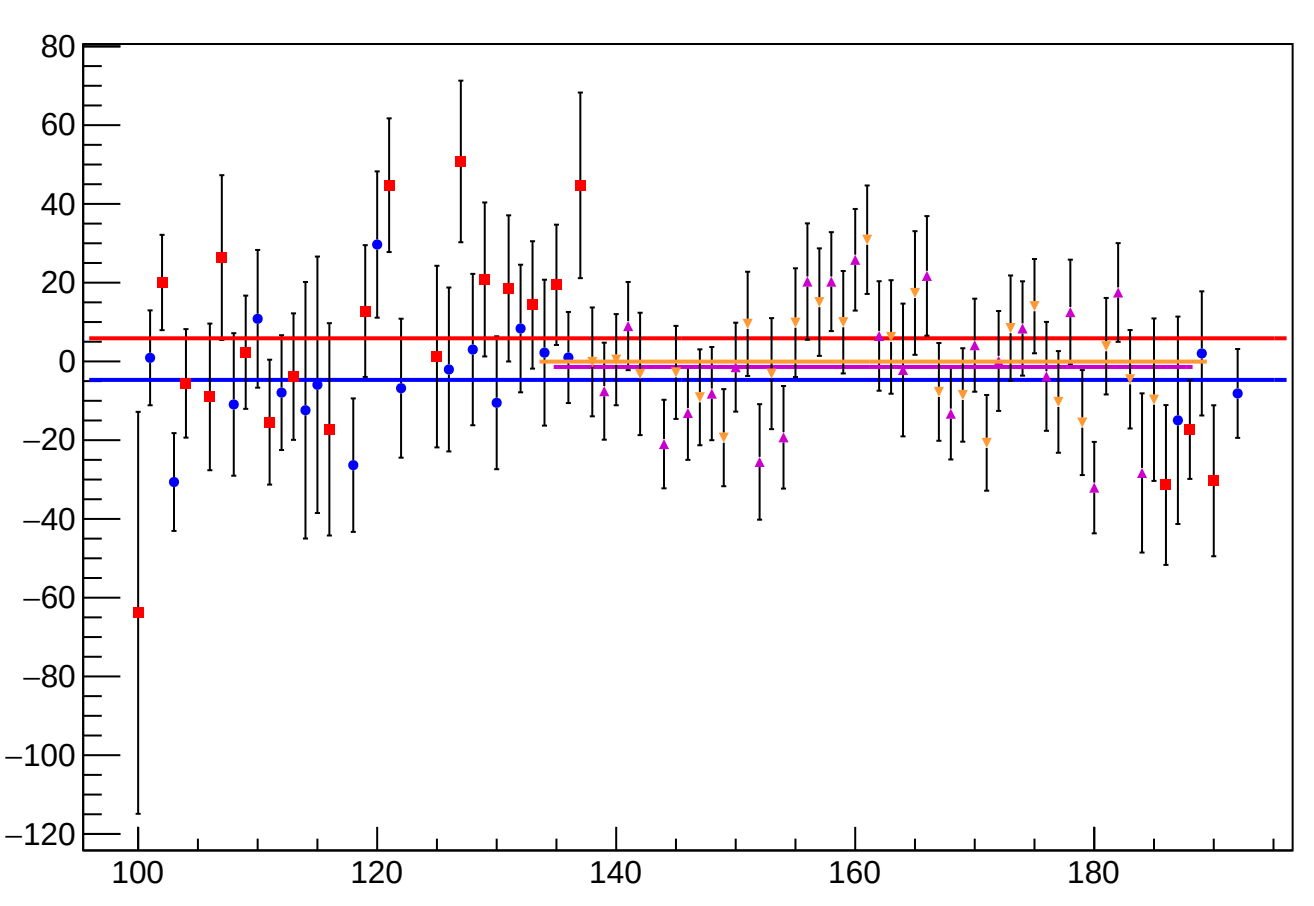
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 190.892+/-0.034 χ^2/NDF: 3721155.9/39

In: 185.186+/-0.026 χ^2/NDF:3349310.1/41

Out: 189.705+/-0.027 χ^2/NDF:3934171.0/44

All: 187.403+/-0.019 χ^2/NDF: 7297846.7/86



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: 5.869+/-3.781 χ^2/NDF: 33.9/20

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

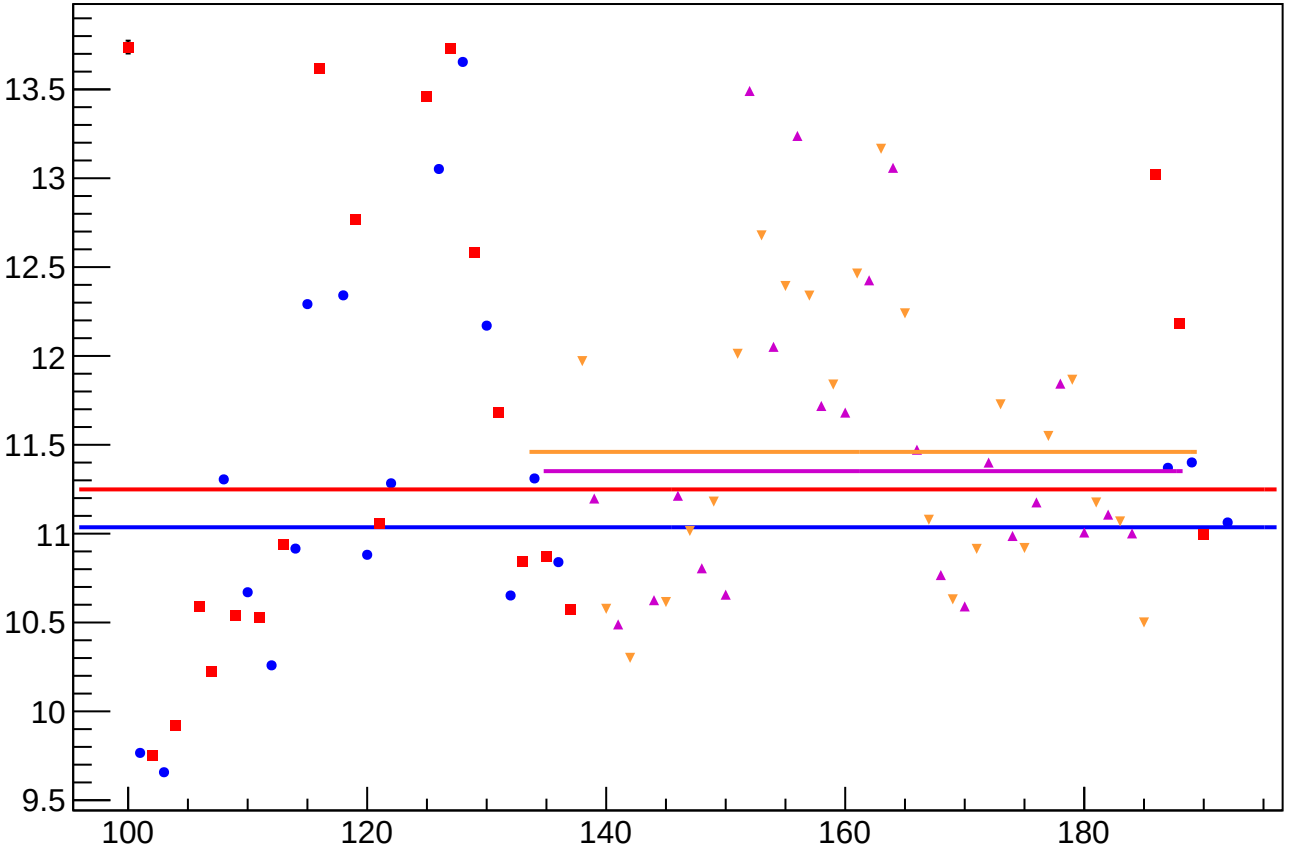
Right: 0.516+/-2.655 χ^2/NDF: 50.3/39

In: -2.522+/-2.173 χ^2/NDF:49.2/41

Out: 1.937+/-2.189 χ^2/NDF:56.0/44

All: -0.309+/-1.542 χ^2/NDF: 107.4/86

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



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: 11.249+/-0.003 χ^2/NDF: 192069.8/20

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

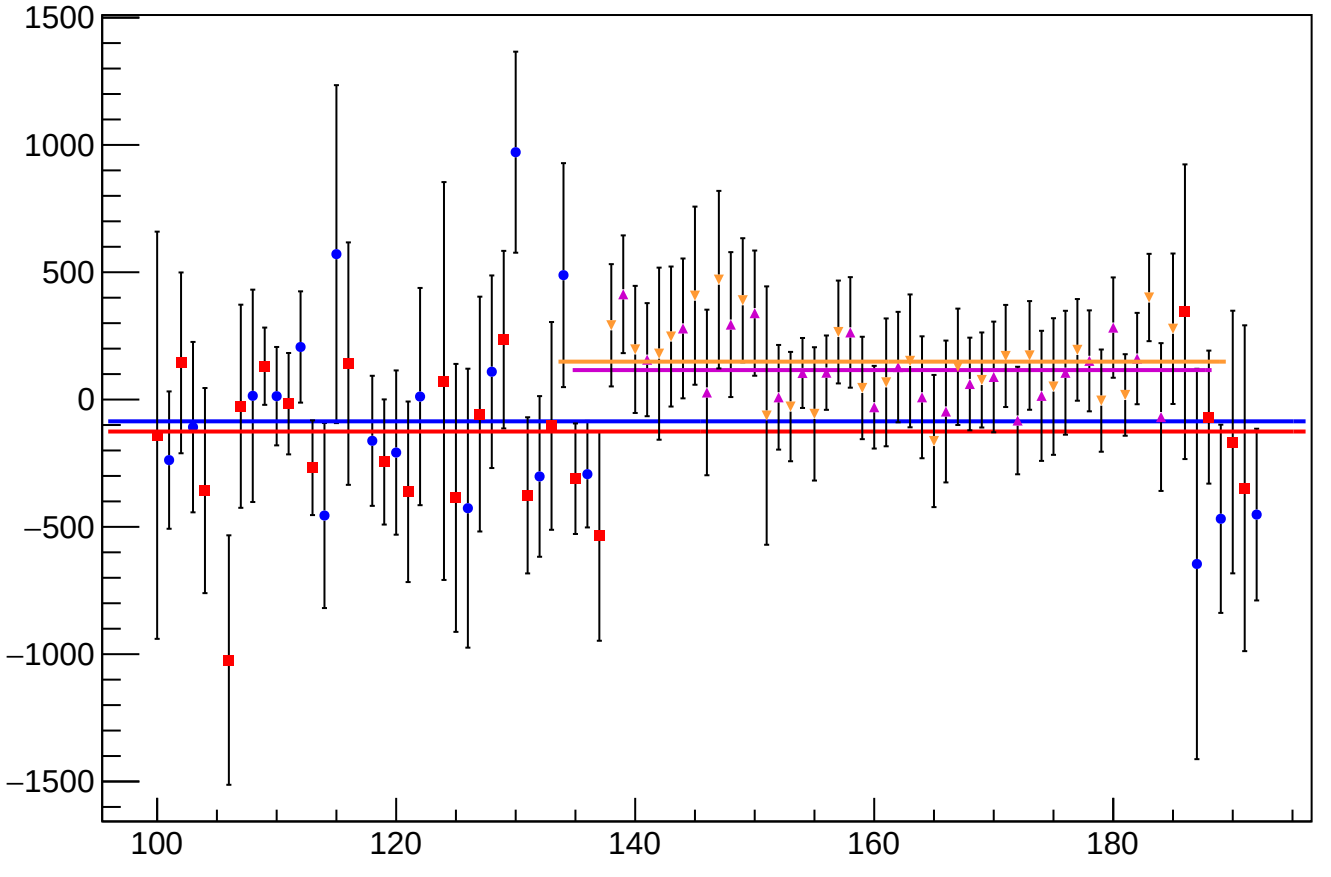
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 11.141+/-0.002 χ^2/NDF: 333011.7/39

In: 11.244+/-0.002 χ^2/NDF:317760.2/41

Out: 11.389+/-0.002 χ^2/NDF:346647.1/44

All: 11.316+/-0.001 χ^2/NDF: 668817.4/86



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: -125.574+/-64.766 χ^2/NDF: 13.7/22

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

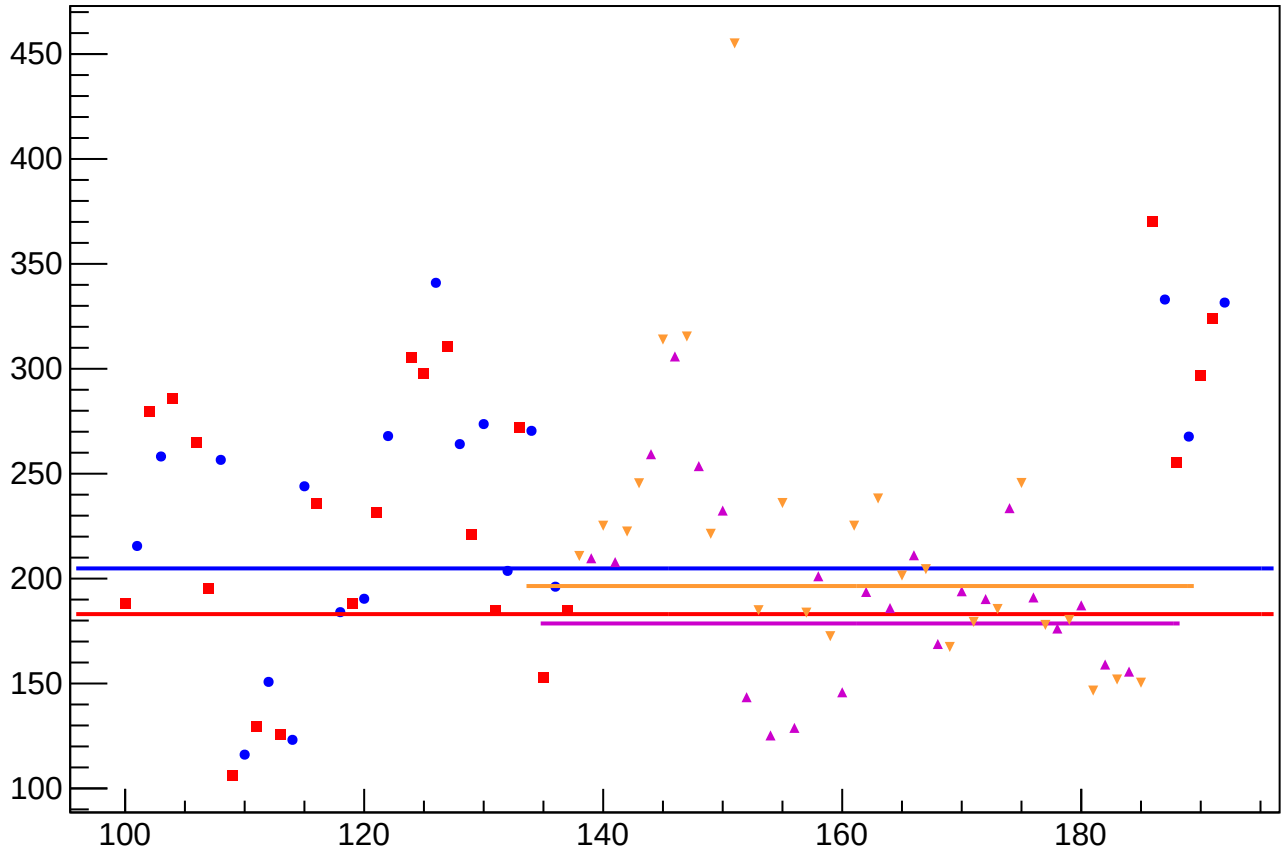
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -107.868+/-48.369 χ^2/NDF: 32.4/41

In: 62.436+/-37.421 χ^2/NDF:31.9/41

Out: 56.056+/-37.669 χ^2/NDF:36.1/47

All: 59.267+/-26.548 χ^2/NDF: 68.0/89



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: 183.076+/-0.046 χ^2/NDF: 2259882.2/22

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

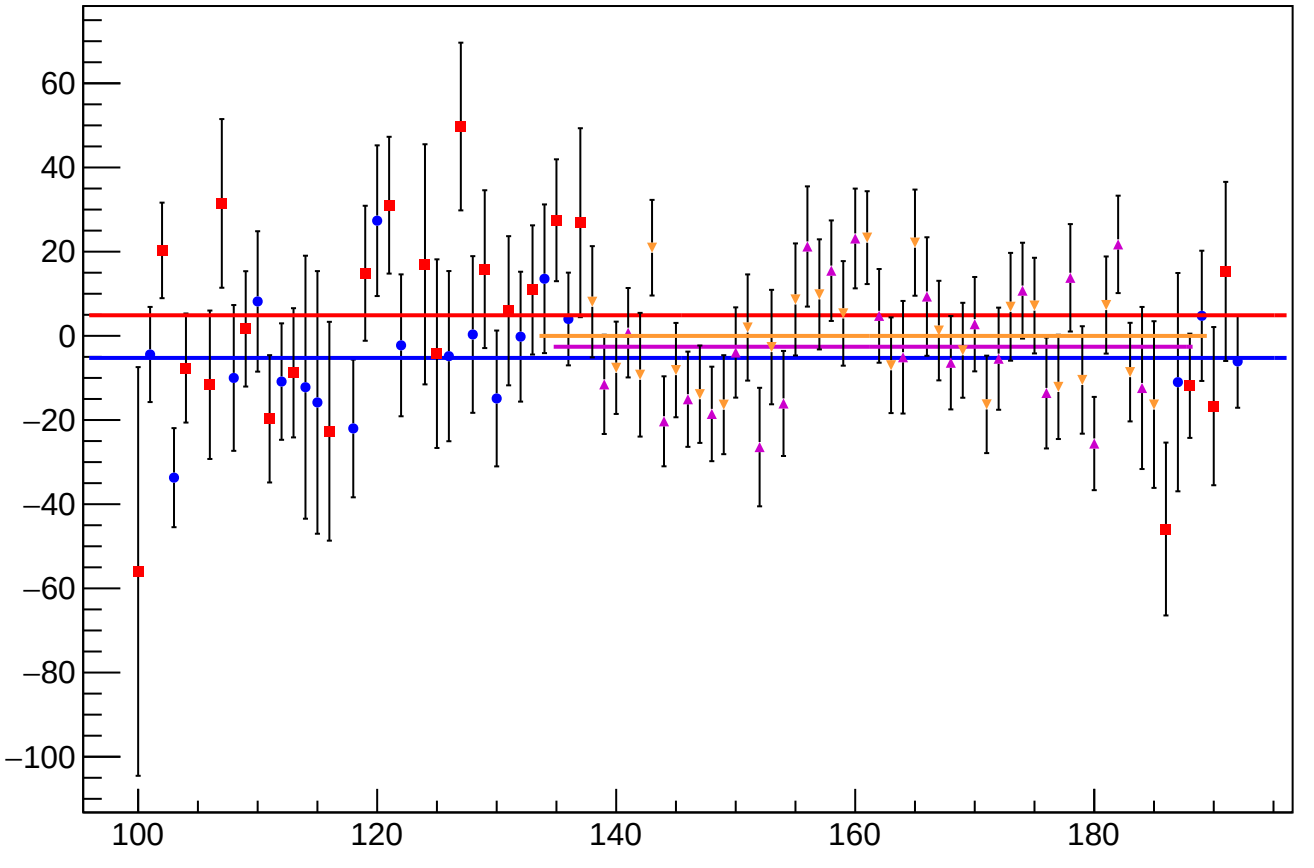
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 192.707+/-0.034 χ^2/NDF: 3835466.9/41

In: 185.560+/-0.026 χ^2/NDF:3345833.7/41

Out: 191.929+/-0.027 χ^2/NDF:4135098.1/47

All: 188.723+/-0.019 χ^2/NDF: 7509708.3/89



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: 4.885+/-3.543 χ^2/NDF: 33.4/22

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

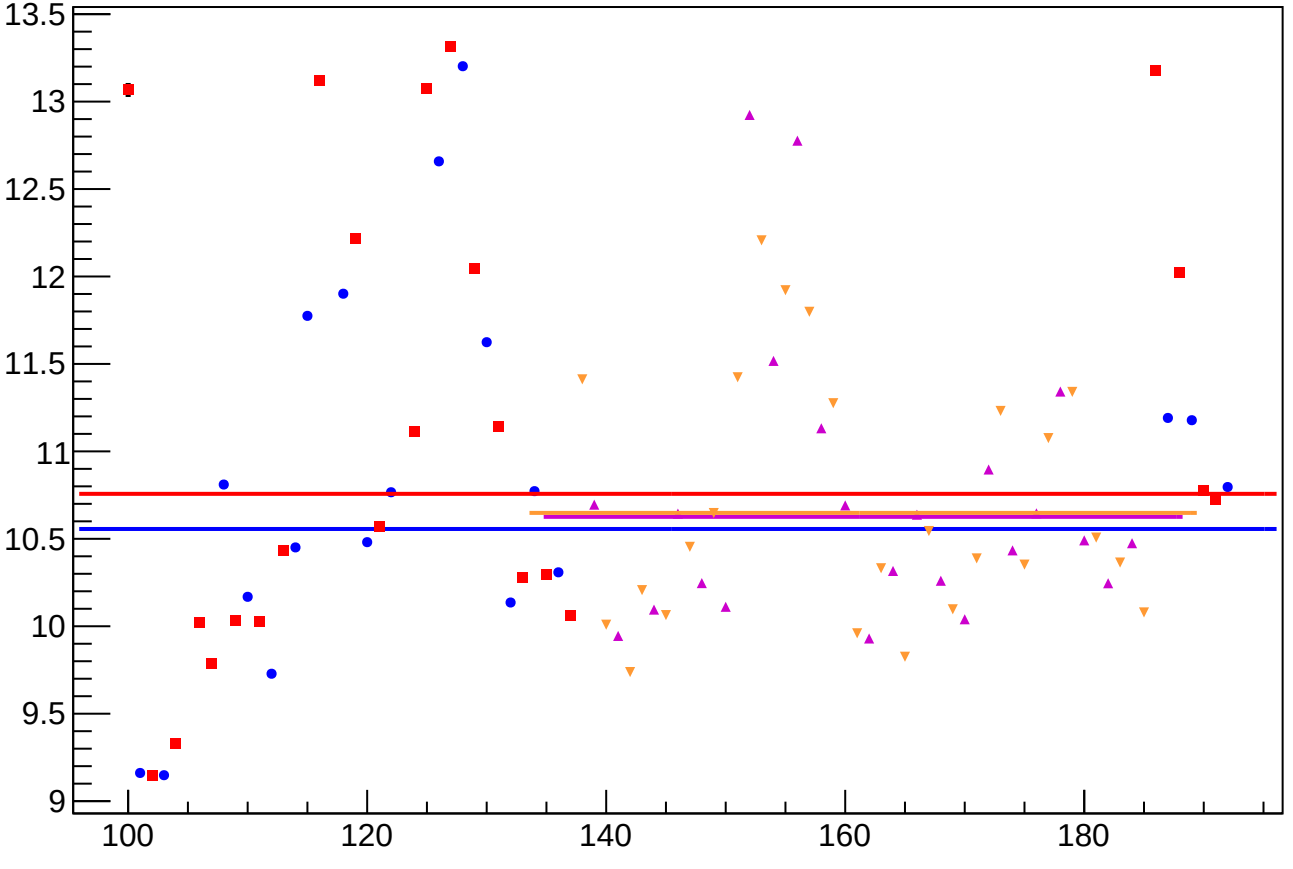
Right: -0.139+/-2.516 χ^2/NDF: 51.6/41

In: -3.467+/-2.052 χ^2/NDF:49.3/41

Out: 1.564+/-2.012 χ^2/NDF:58.4/47

All: -0.903+/-1.437 χ^2/NDF: 110.8/89

asym_bcm_an_us_an_ds3_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: 10.757+/-0.003 χ^2/NDF: 241479.2/22

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

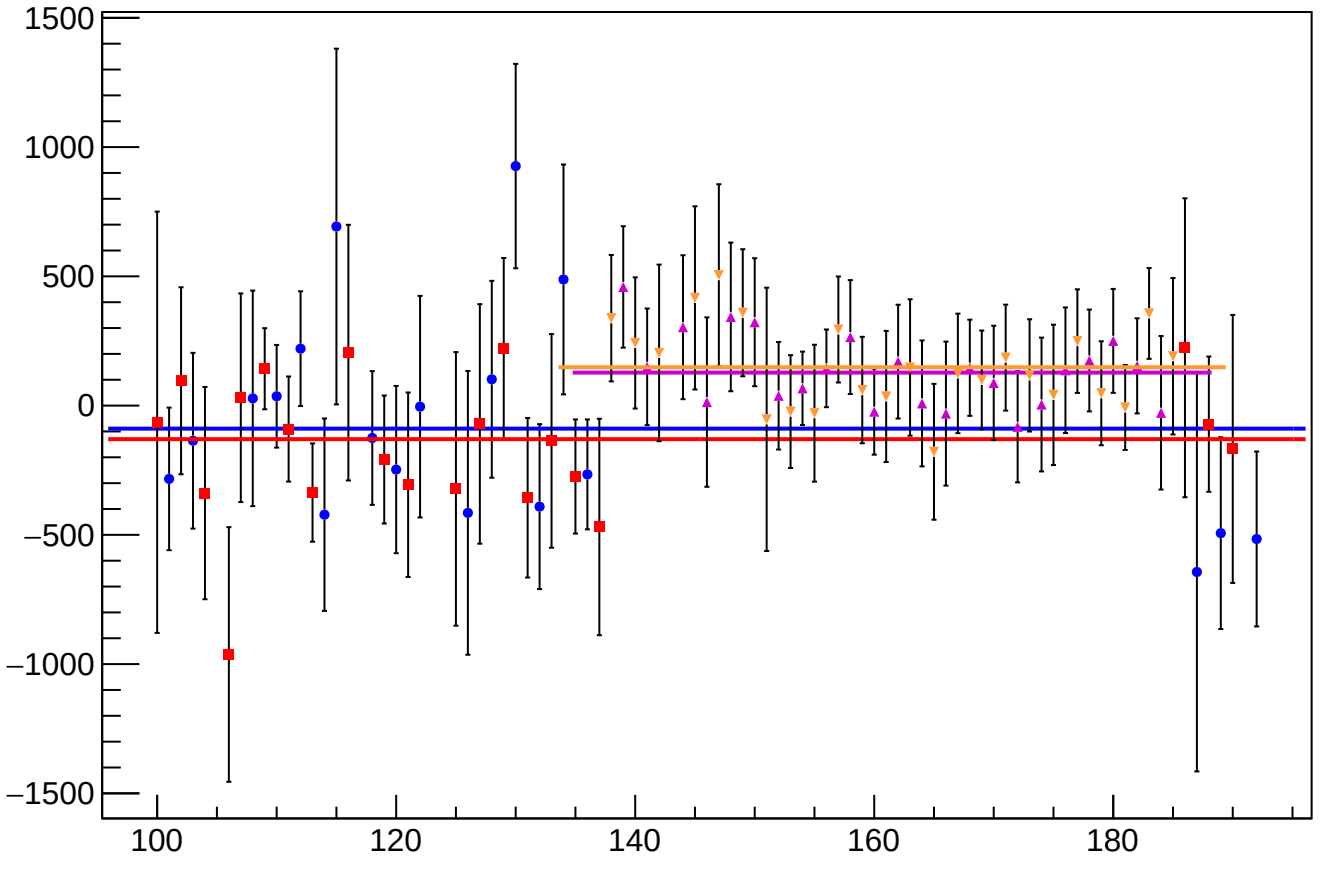
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.658+/-0.002 χ^2/NDF: 408359.6/41

In: 10.603+/-0.001 χ^2/NDF:323740.6/41

Out: 10.683+/-0.001 χ^2/NDF:386295.4/47

All: 10.644+/-0.001 χ^2/NDF: 711609.6/89



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: -129.851+/-66.463 χ^2/NDF: 11.9/20

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

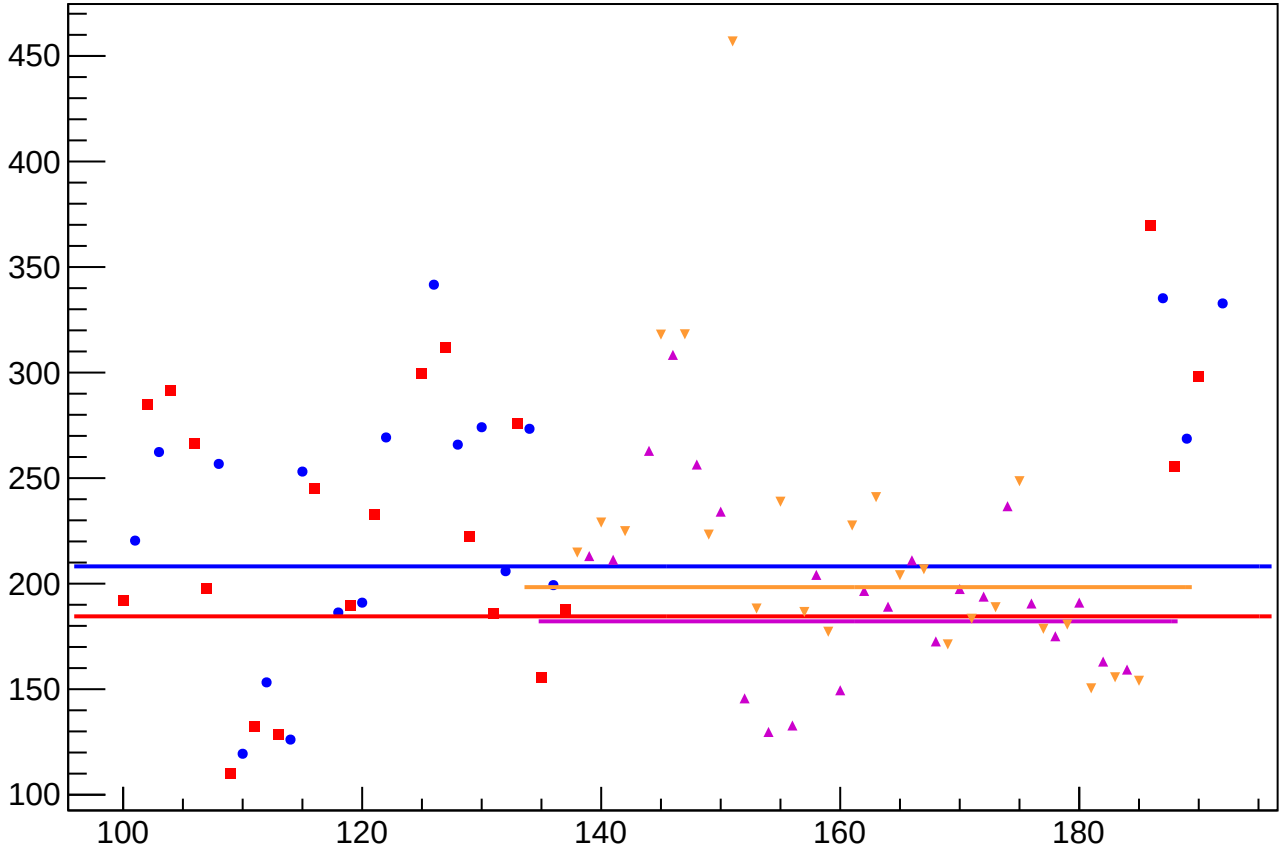
Right: -111.594+/-49.375 χ^2/NDF: 31.2/39

In: 69.991+/-38.056 χ^2/NDF:33.3/41

Out: 53.776+/-38.763 χ^2/NDF:33.4/44

All: 62.032+/-27.156 χ^2/NDF: 66.7/86

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: 184.513+/-0.047 χ^2/NDF: 2024006.9/20

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

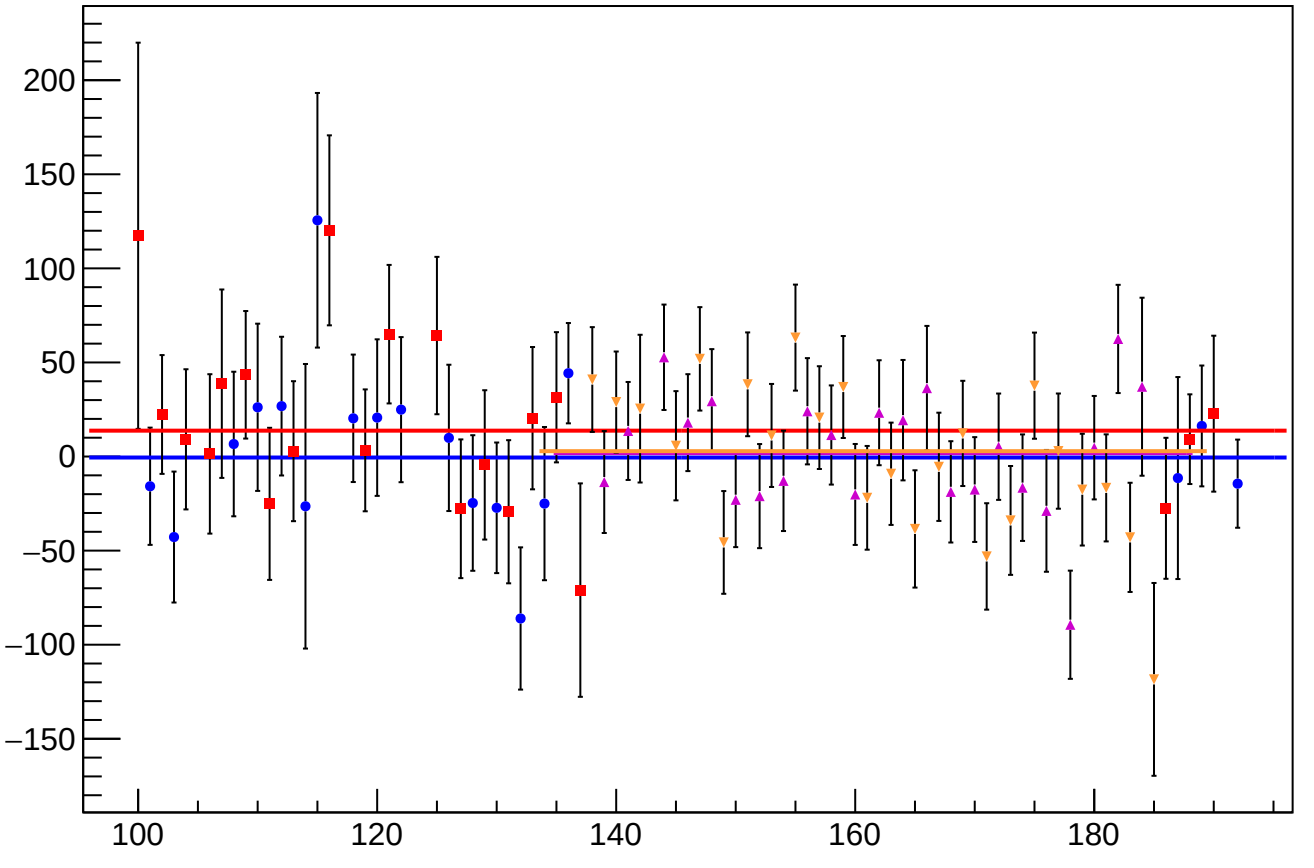
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 195.121+/-0.035 χ^2/NDF: 3552941.5/39

In: 189.081+/-0.027 χ^2/NDF:3182447.8/41

Out: 193.644+/-0.027 χ^2/NDF:3778278.1/44

All: 191.320+/-0.019 χ^2/NDF: 6974837.0/86



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: 13.751+/-8.276 χ^2/NDF: 17.8/20

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

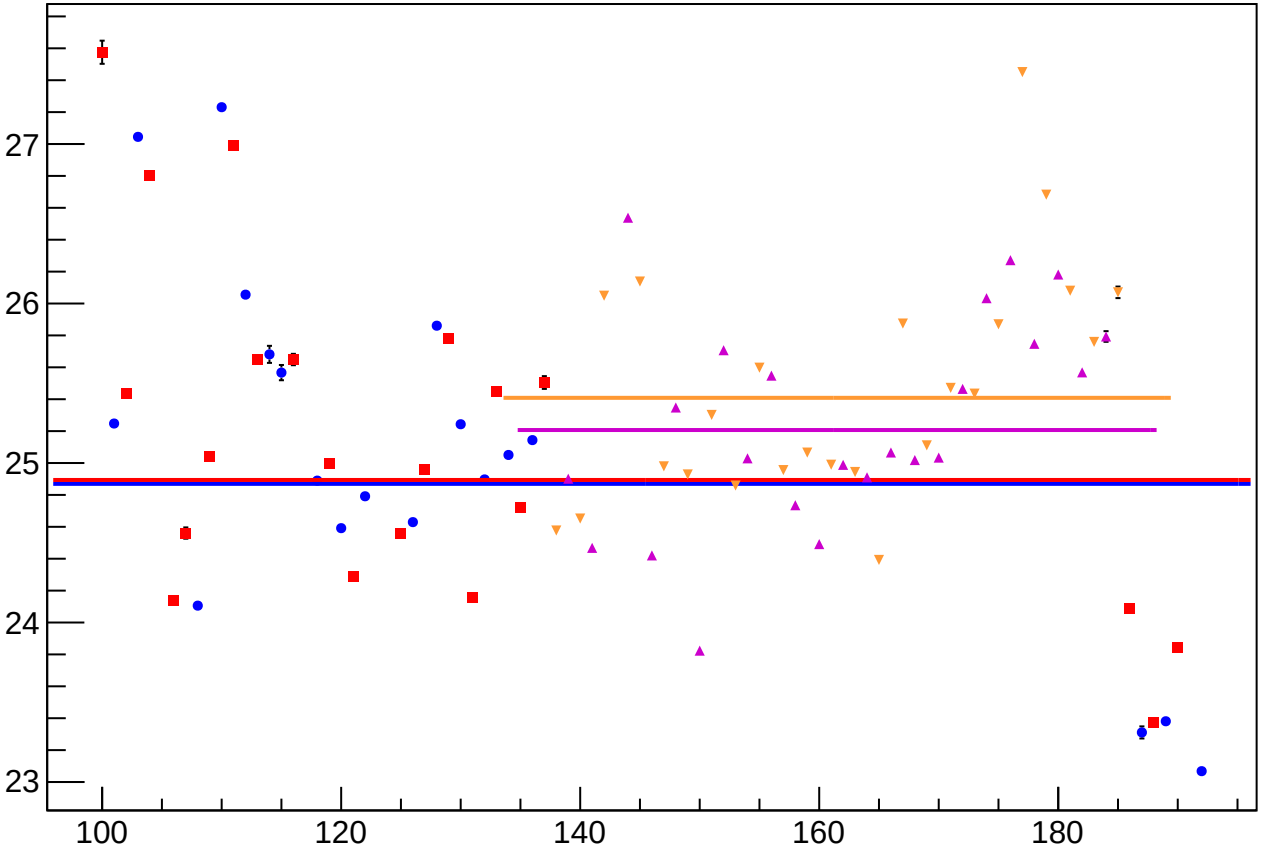
Right: 6.663+/-5.872 χ^2/NDF: 36.7/39

In: 1.059+/-4.811 χ^2/NDF:45.5/41

Out: 6.527+/-4.807 χ^2/NDF:55.8/44

All: 3.796+/-3.400 χ^2/NDF: 102.0/86

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: 24.894+/-0.006 χ^2/NDF: 28149.6/20

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

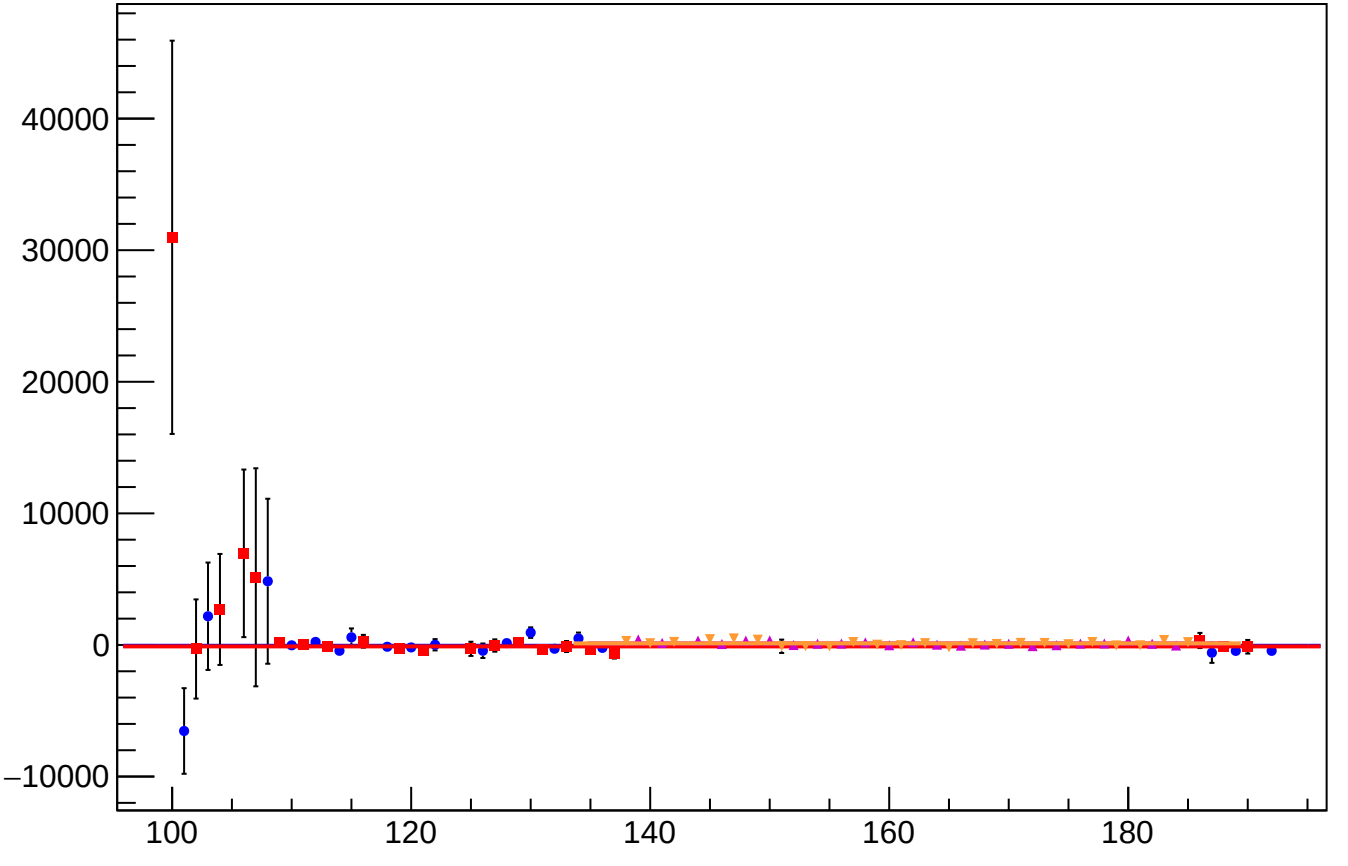
Right: 24.882+/-0.004 χ^2/NDF: 65213.5/39

In: 25.094+/-0.003 χ^2/NDF:65069.5/41

Out: 25.235+/-0.003 χ^2/NDF:60145.7/44

All: 25.165+/-0.002 χ^2/NDF: 126071.3/86

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



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: -109.558+/-73.585 χ^2/NDF: 15.0/20

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

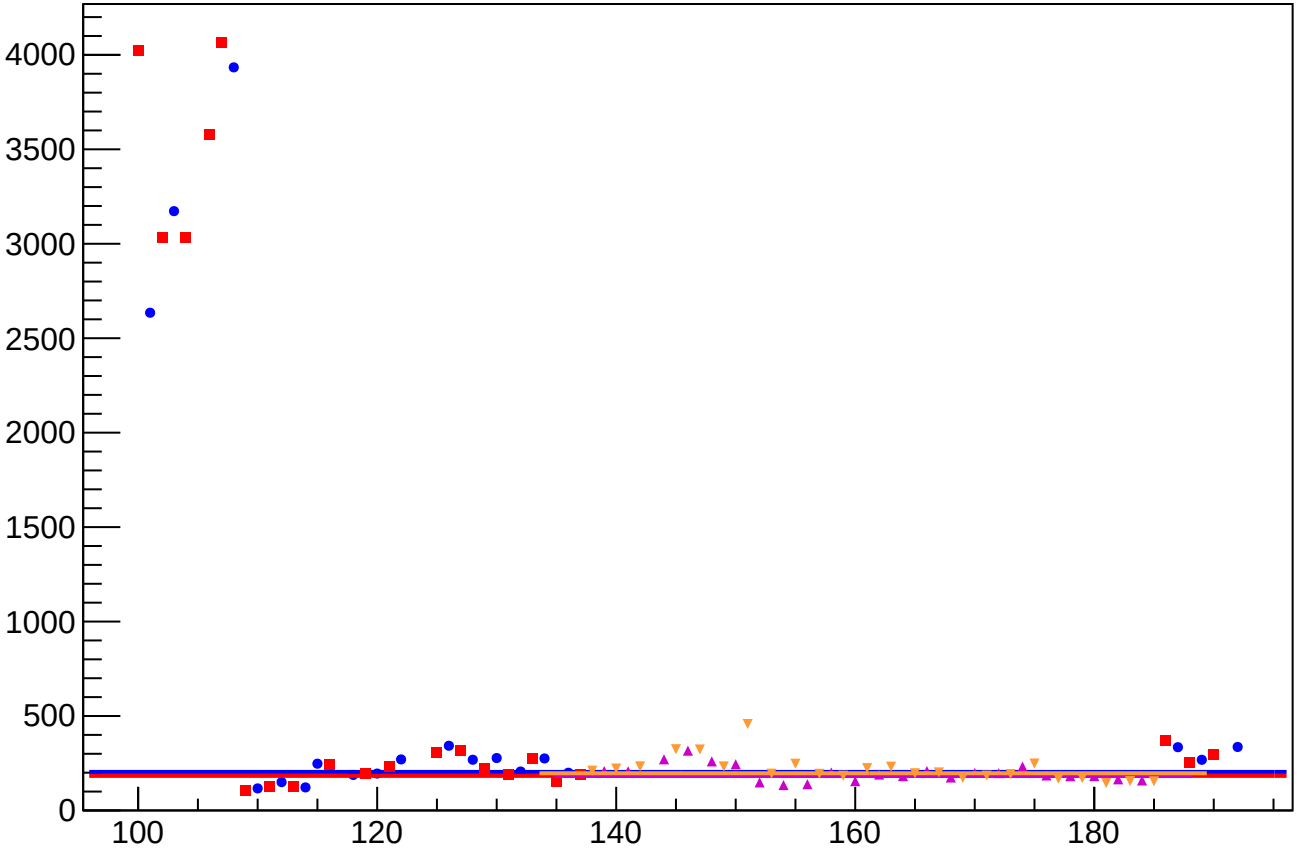
Right: -88.182+/-54.041 χ^2/NDF: 36.7/39

In: 73.127+/-39.035 χ^2/NDF:33.8/41

Out: 52.757+/-39.872 χ^2/NDF:33.8/44

All: 63.158+/-27.893 χ^2/NDF: 67.8/86

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug, Sign Corrected



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: 183.032+/-0.052 χ^2/NDF: 4765593.1/20

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

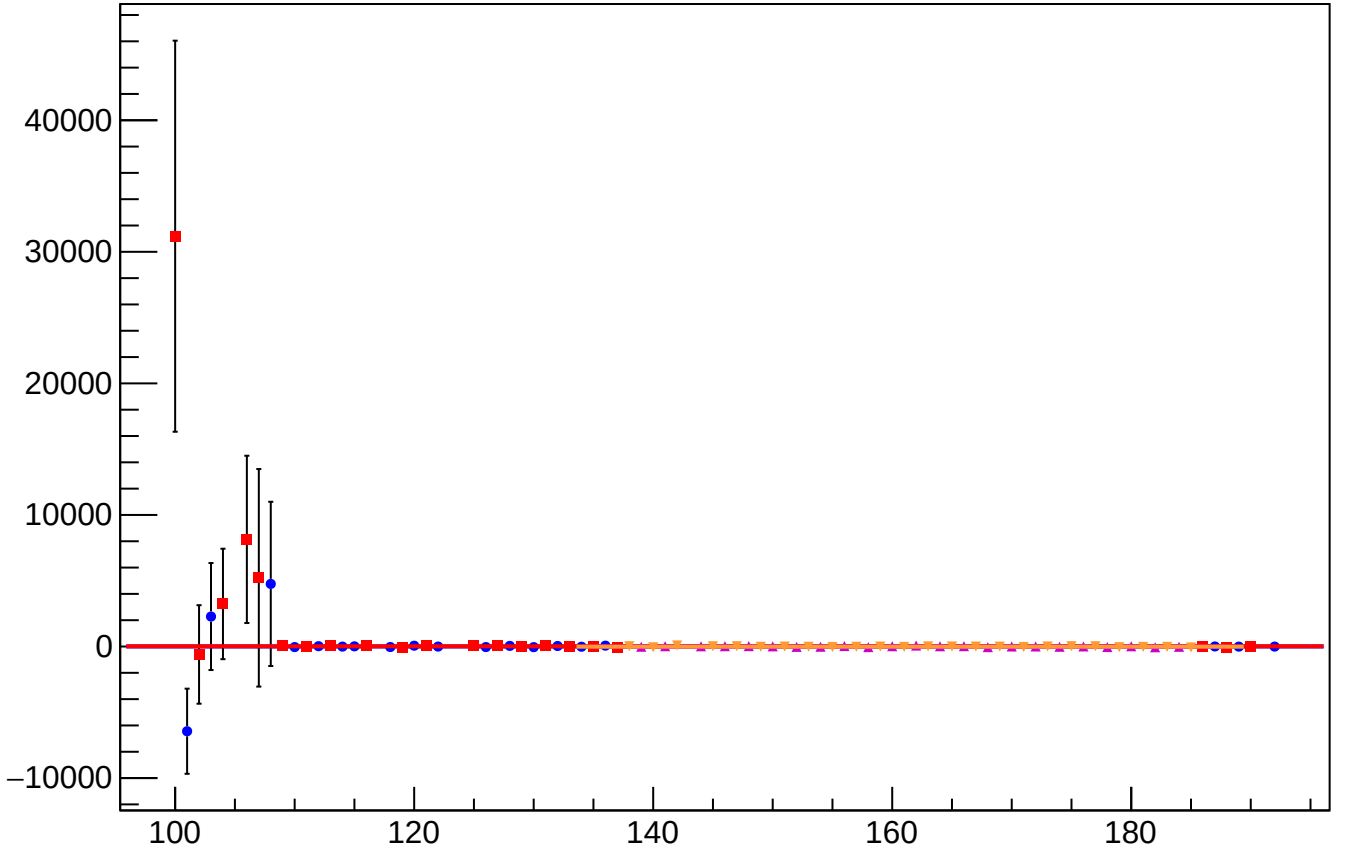
Right: 192.710+/-0.038 χ^2/NDF: 9138322.5/39

In: 188.856+/-0.028 χ^2/NDF:5838820.9/41

Out: 192.853+/-0.028 χ^2/NDF:6625295.8/44

All: 190.812+/-0.020 χ^2/NDF: 12474381.6/86

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



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: 17.900+/-10.575 χ^2/NDF: 25.4/20

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

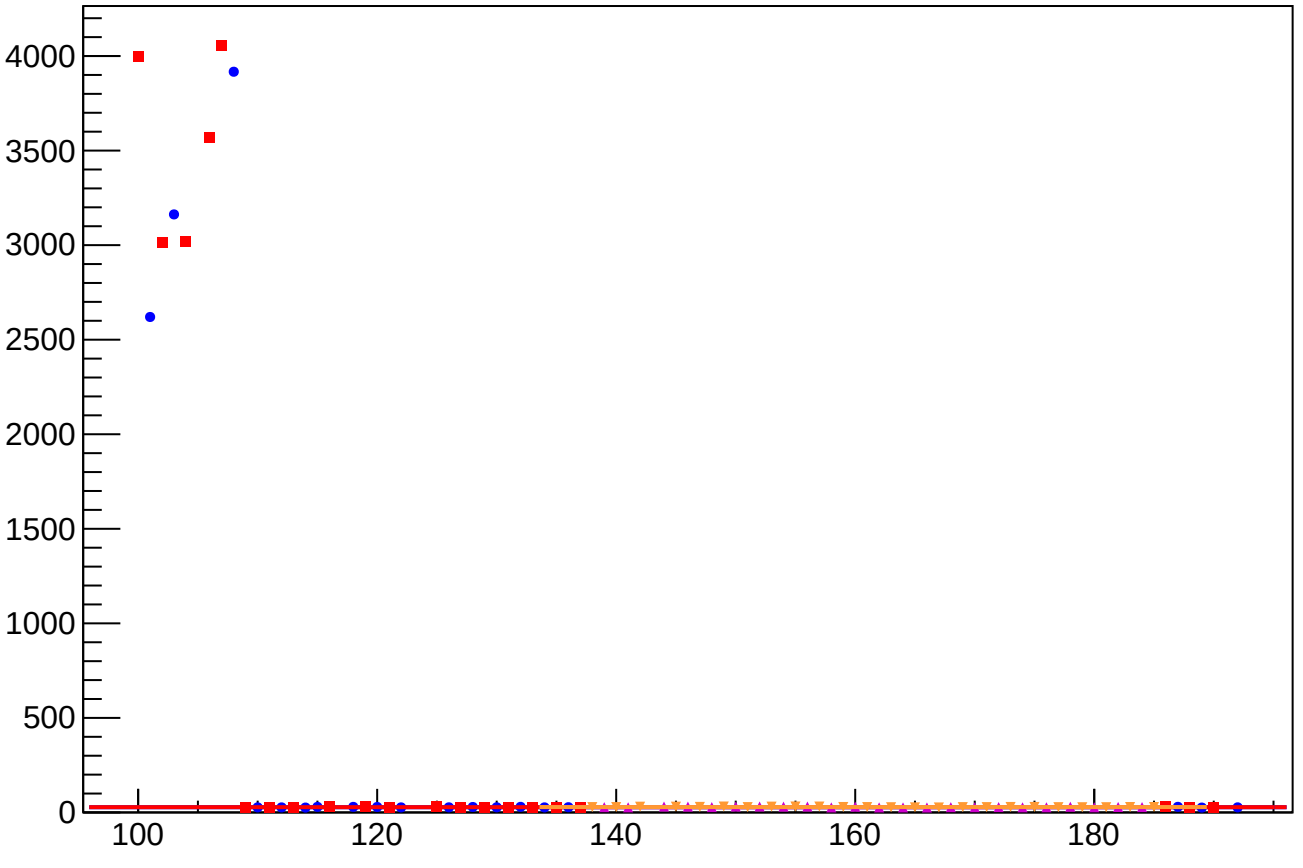
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 10.359+/-7.350 χ^2/NDF: 45.0/39

In: 2.799+/-5.622 χ^2/NDF:40.8/41

Out: -2.885+/-5.631 χ^2/NDF:48.3/44

All: -0.038+/-3.979 χ^2/NDF: 89.6/86



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: 27.884+/-0.007 χ^2/NDF: 3572218.0/20

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

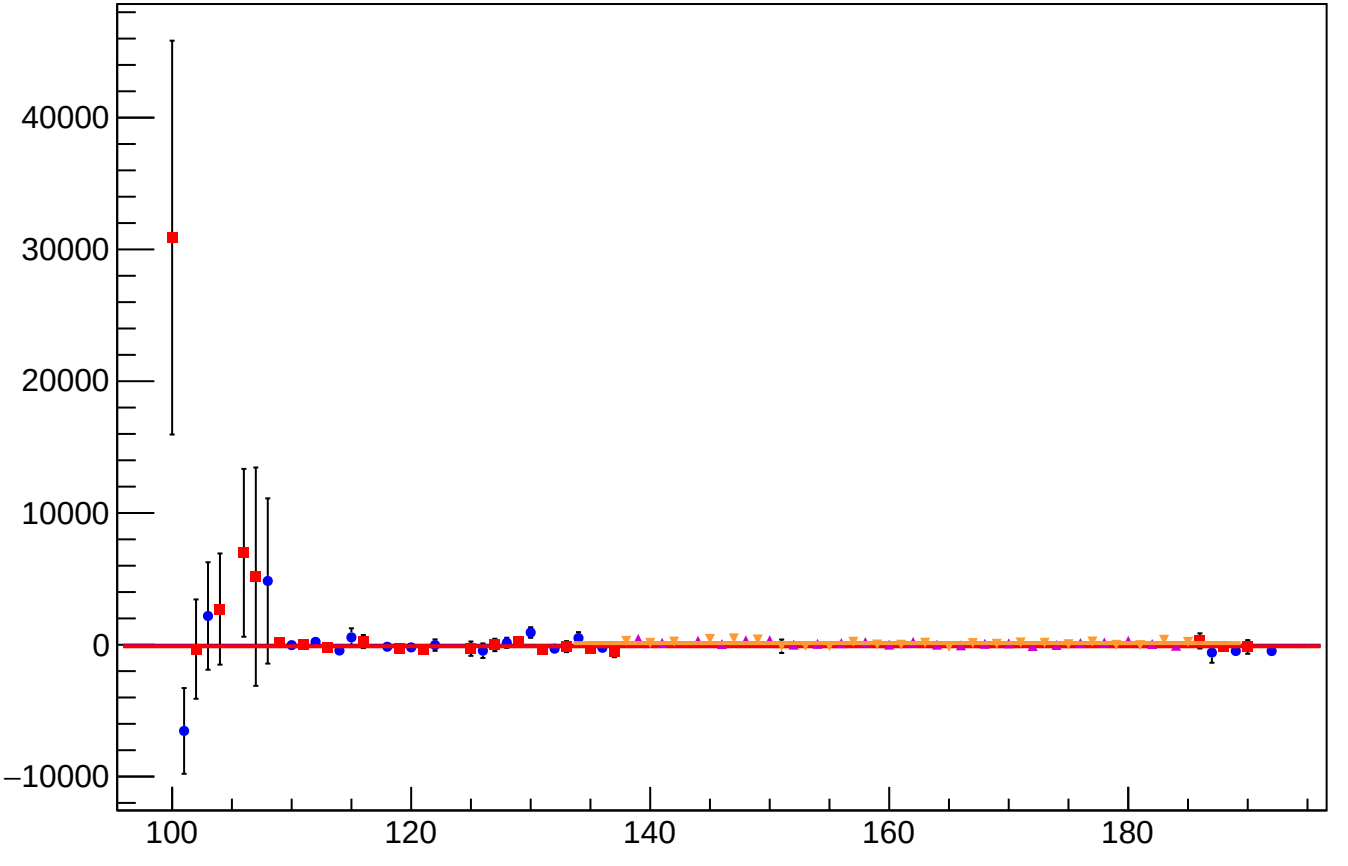
Right: 27.722+/-0.005 χ^2/NDF: 6847856.9/39

In: 28.378+/-0.004 χ^2/NDF:3419989.2/41

Out: 28.391+/-0.004 χ^2/NDF:3659639.4/44

All: 28.384+/-0.003 χ^2/NDF: 7079634.8/86

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



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: -113.774+/-74.089 χ^2/NDF: 13.8/20

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

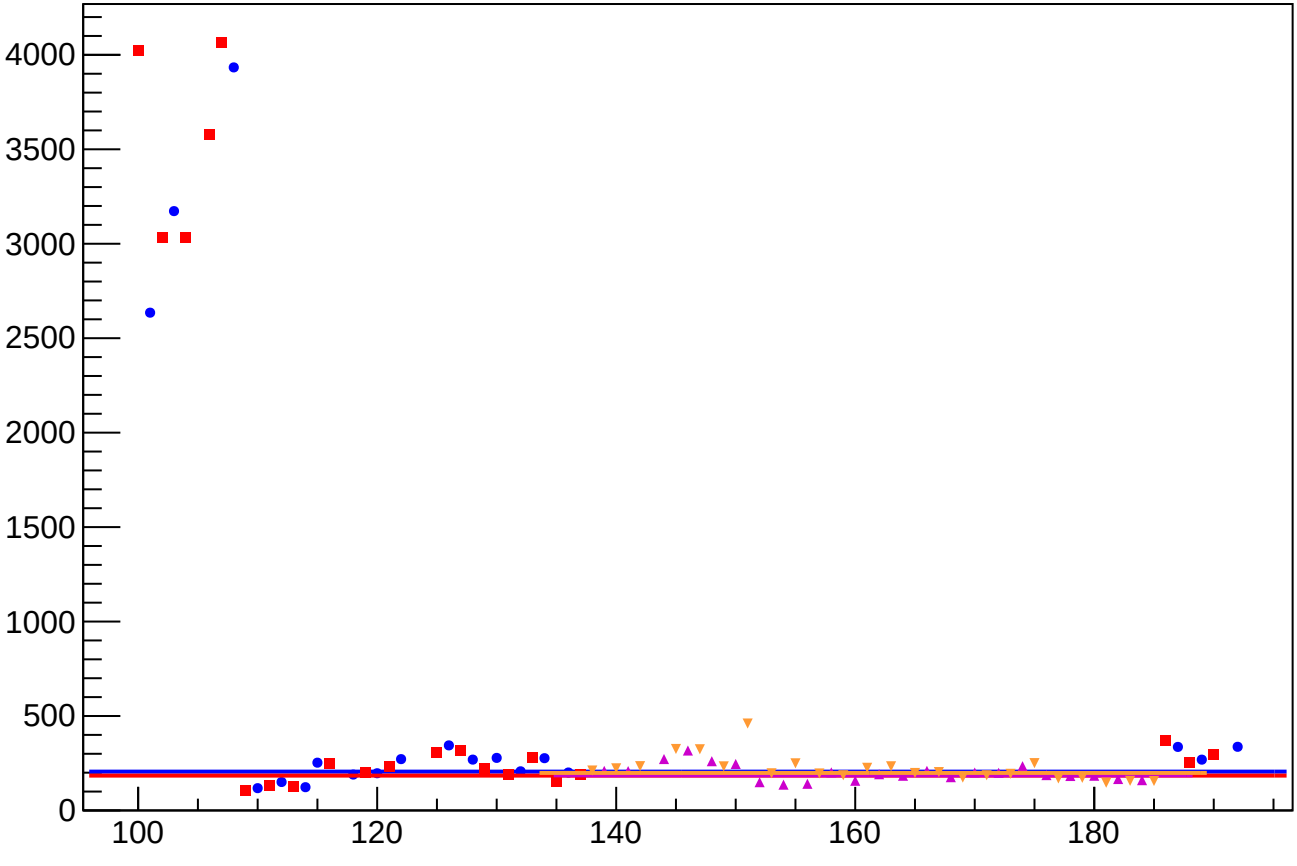
Right: -94.456+/-54.408 χ^2/NDF: 35.5/39

In: 75.849+/-39.371 χ^2/NDF:34.0/41

Out: 55.682+/-40.197 χ^2/NDF:32.8/44

All: 65.975+/-28.127 χ^2/NDF: 67.0/86

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug, Sign Corrected



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: 184.448+/-0.052 χ^2/NDF: 4748230.9/20

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

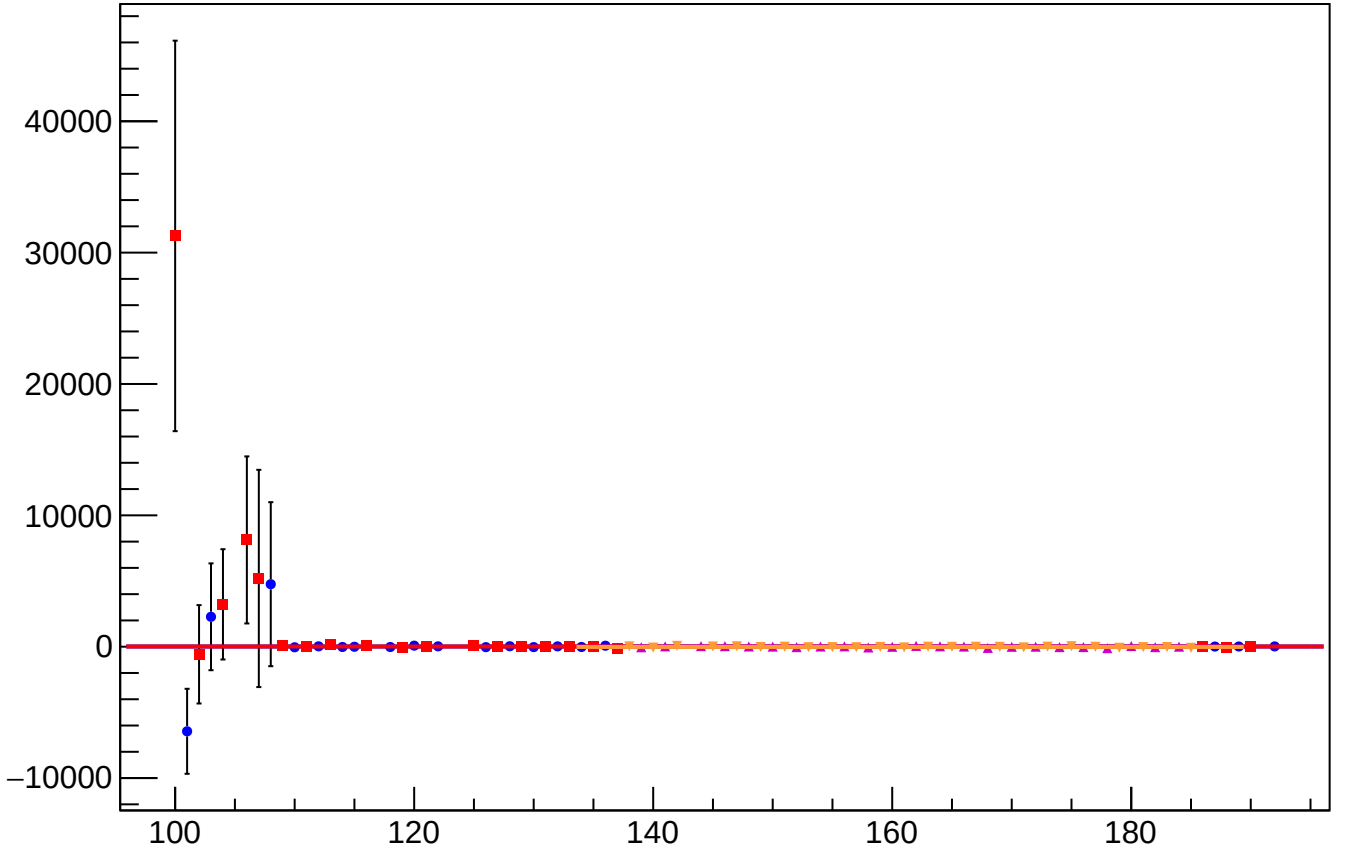
Right: 194.176+/-0.038 χ^2/NDF: 9102219.2/39

In: 190.622+/-0.028 χ^2/NDF:5776255.4/41

Out: 194.530+/-0.028 χ^2/NDF:6587124.6/44

All: 192.536+/-0.020 χ^2/NDF: 12373028.4/86

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



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: 16.578+/-11.691 χ^2/NDF: 30.4/20

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

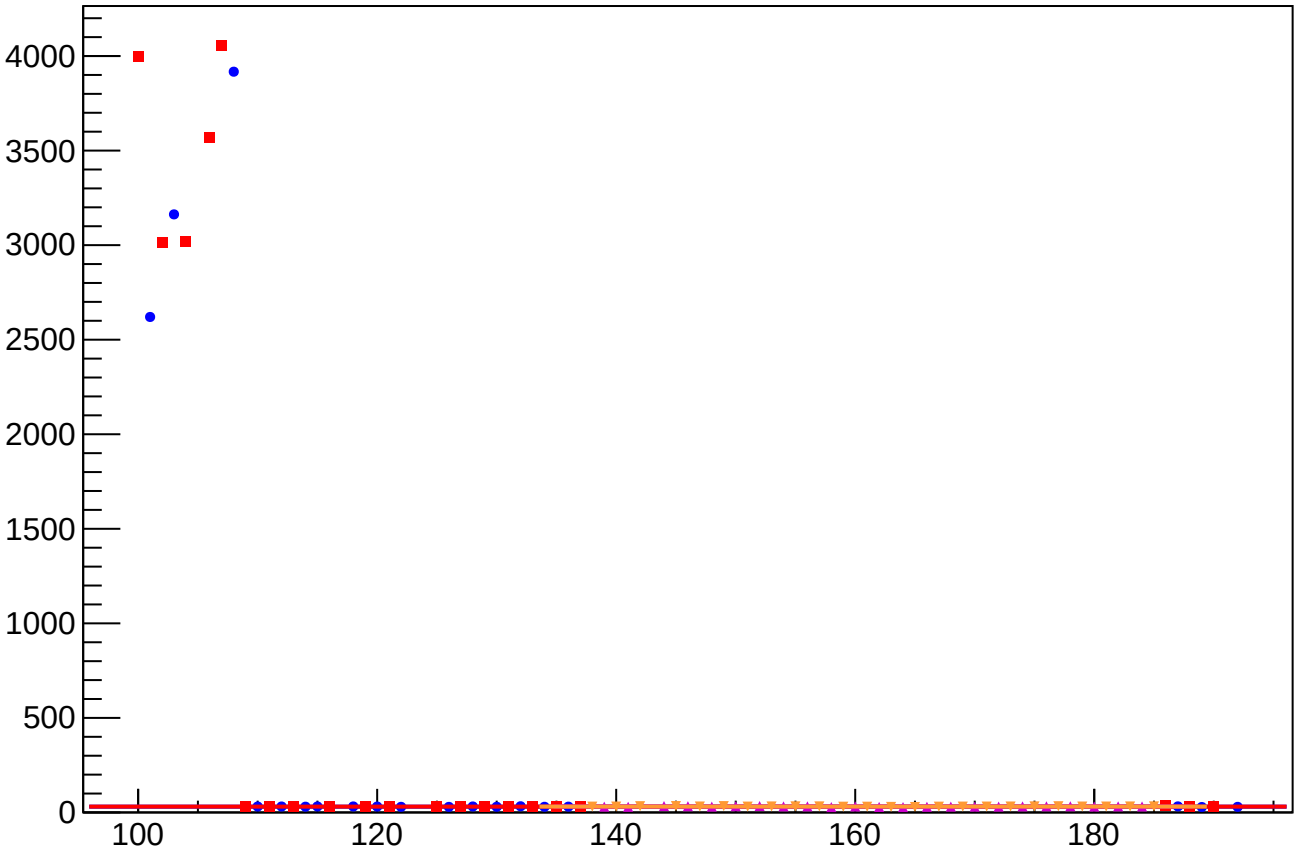
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 15.755+/-8.135 χ^2/NDF: 46.0/39

In: 2.530+/-6.165 χ^2/NDF:52.8/41

Out: -8.513+/-6.167 χ^2/NDF:57.1/44

All: -2.989+/-4.360 χ^2/NDF: 111.5/86



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: 30.868+/-0.008 χ^2/NDF: 3547631.0/20

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

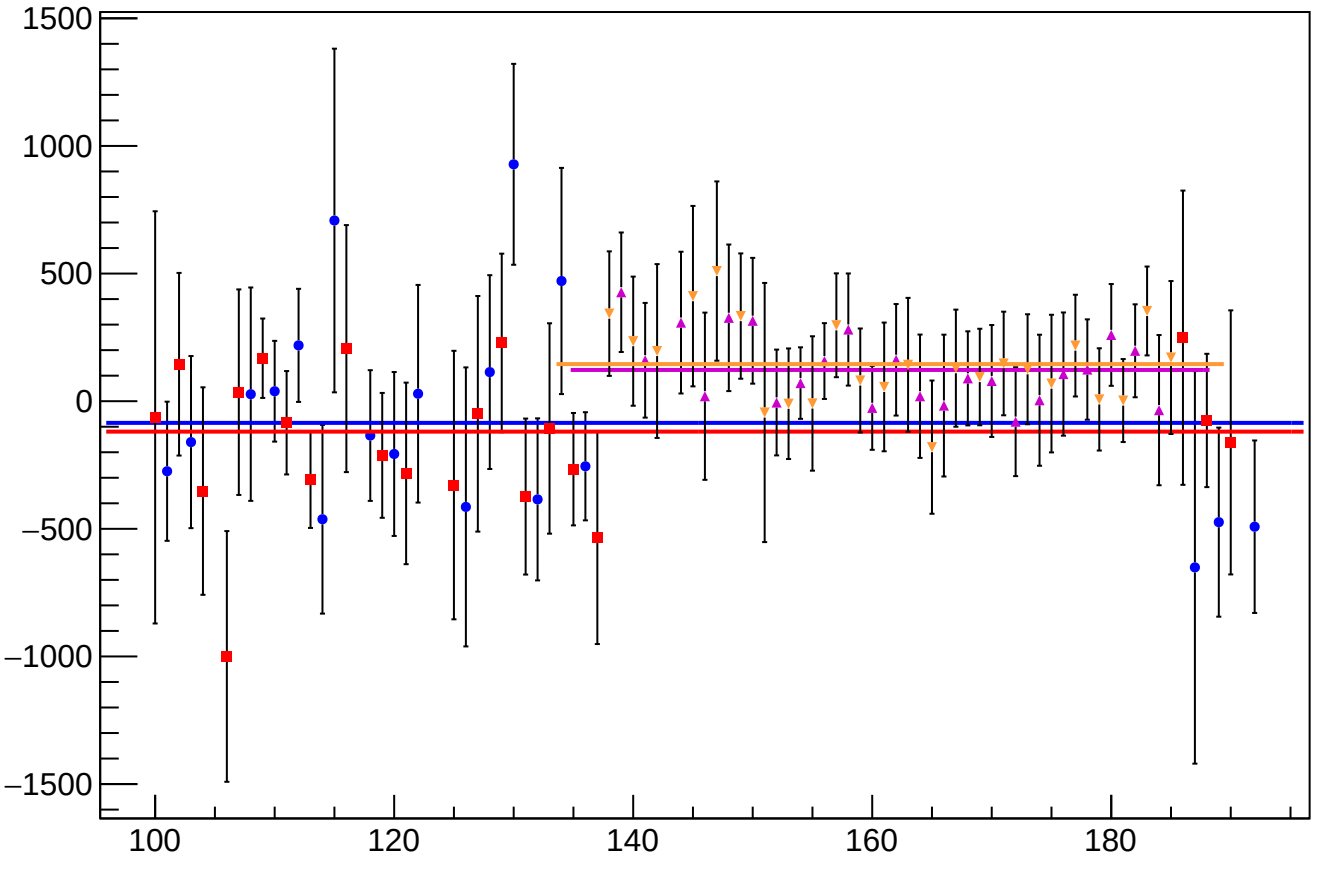
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.719+/-0.006 χ^2/NDF: 6809823.2/39

In: 31.143+/-0.004 χ^2/NDF:3353808.8/41

Out: 31.123+/-0.004 χ^2/NDF:3596372.3/44

All: 31.133+/-0.003 χ^2/NDF: 6950191.0/86



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: -119.233+/-66.061 χ^2/NDF: 13.2/20

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

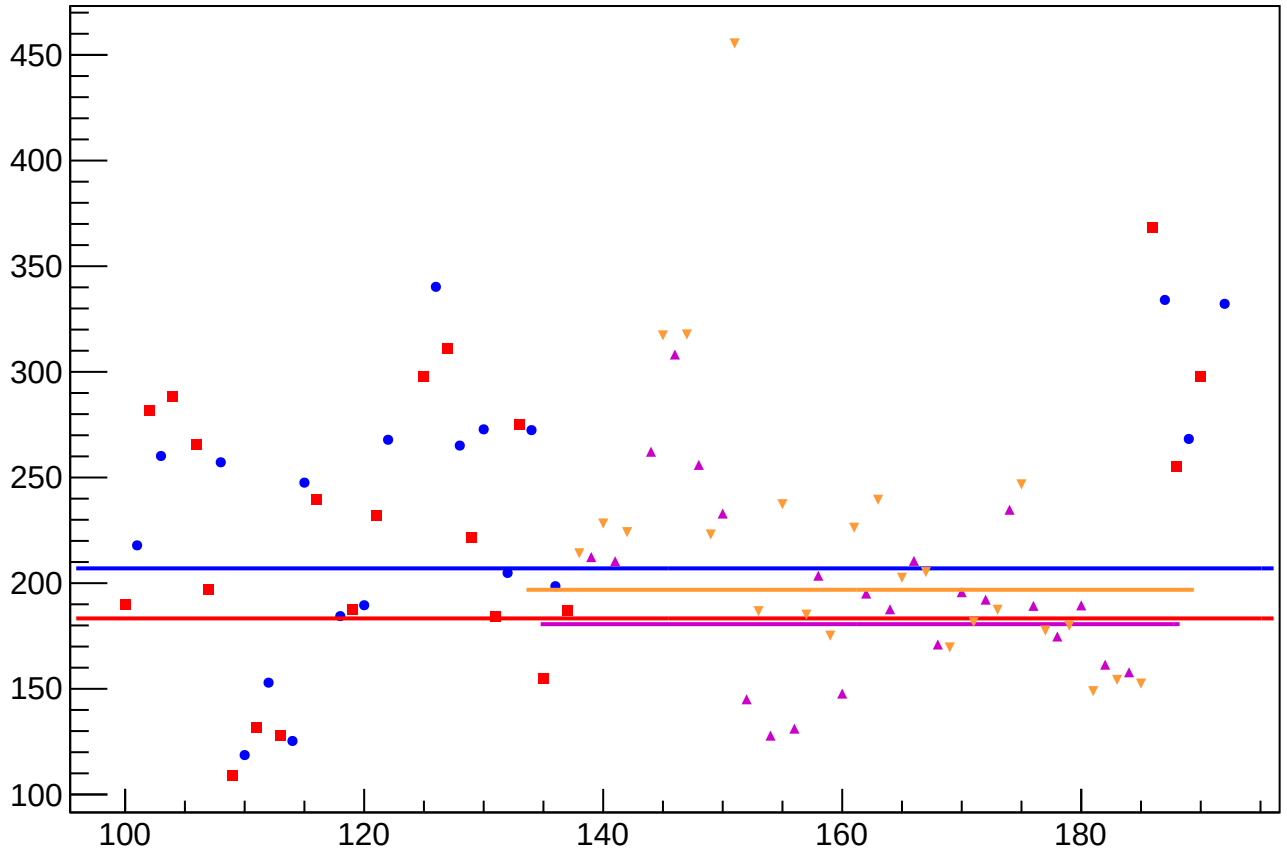
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -103.857+/-49.092 χ^2/NDF: 32.4/39

In: 67.395+/-37.785 χ^2/NDF:32.8/41

Out: 55.430+/-38.507 χ^2/NDF:33.2/44

All: 61.526+/-26.970 χ^2/NDF: 66.0/86



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: 183.320+/-0.047 χ^2/NDF: 2028267.7/20

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

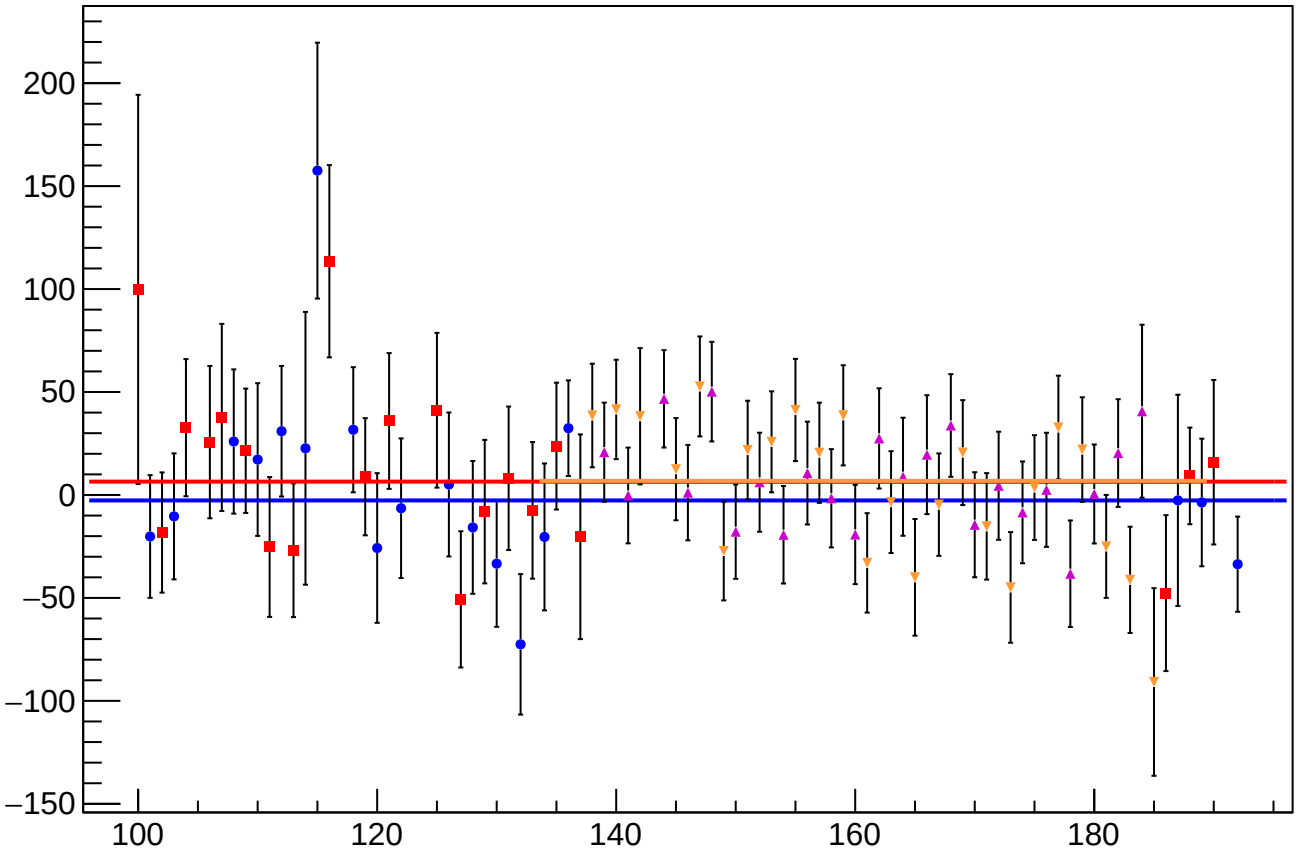
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 193.925+/-0.035 χ^2/NDF: 3564866.4/39

In: 187.605+/-0.027 χ^2/NDF:3239894.5/41

Out: 192.268+/-0.027 χ^2/NDF:3808949.1/44

All: 189.893+/-0.019 χ^2/NDF: 7063786.3/86



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: 6.484+/-7.515 χ^2/NDF: 18.2/20

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

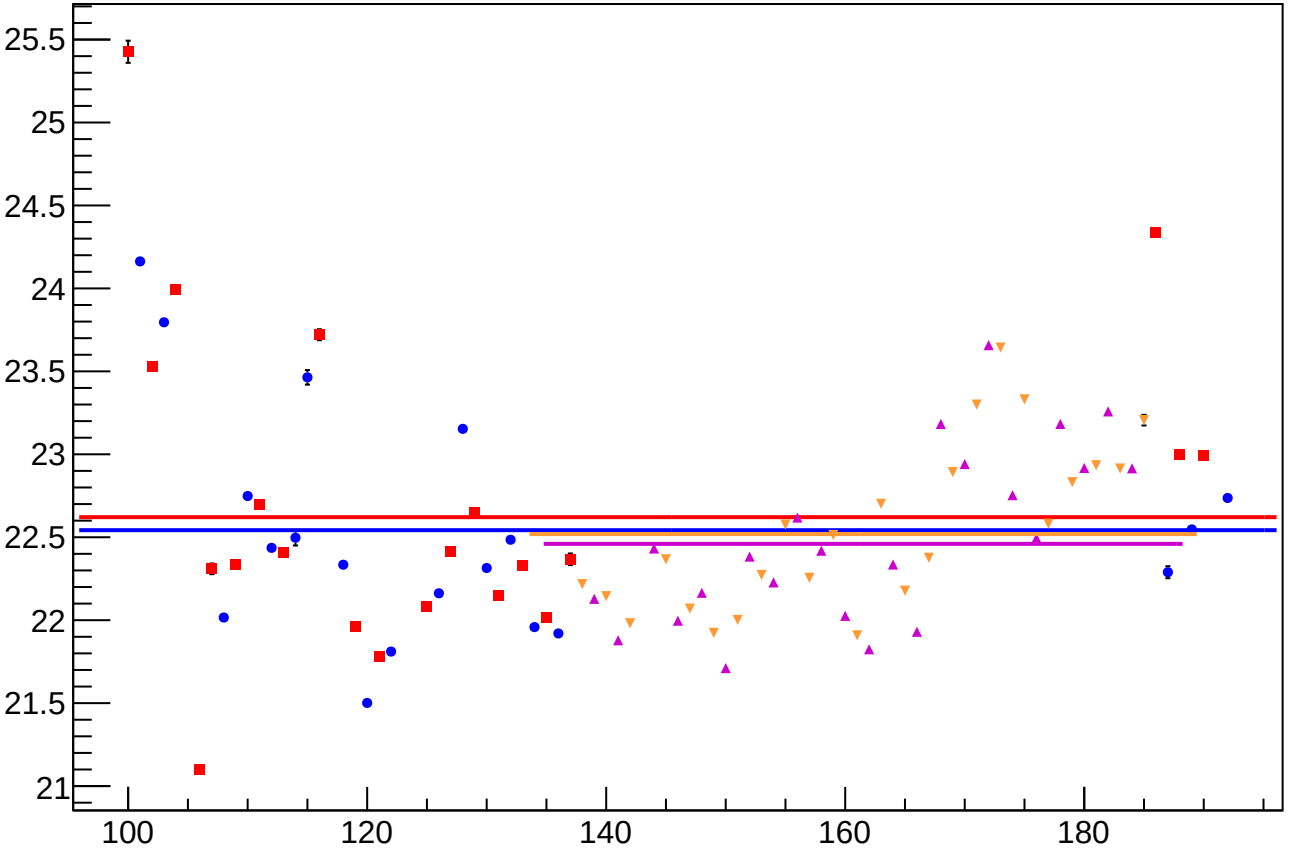
Right: 1.931+/-5.325 χ^2/NDF: 39.6/39

In: 3.503+/-4.307 χ^2/NDF:39.1/41

Out: 6.736+/-4.292 χ^2/NDF:55.0/44

All: 5.125+/-3.040 χ^2/NDF: 94.5/86

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: 22.621+/-0.005 χ^2/NDF: 20958.2/20

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

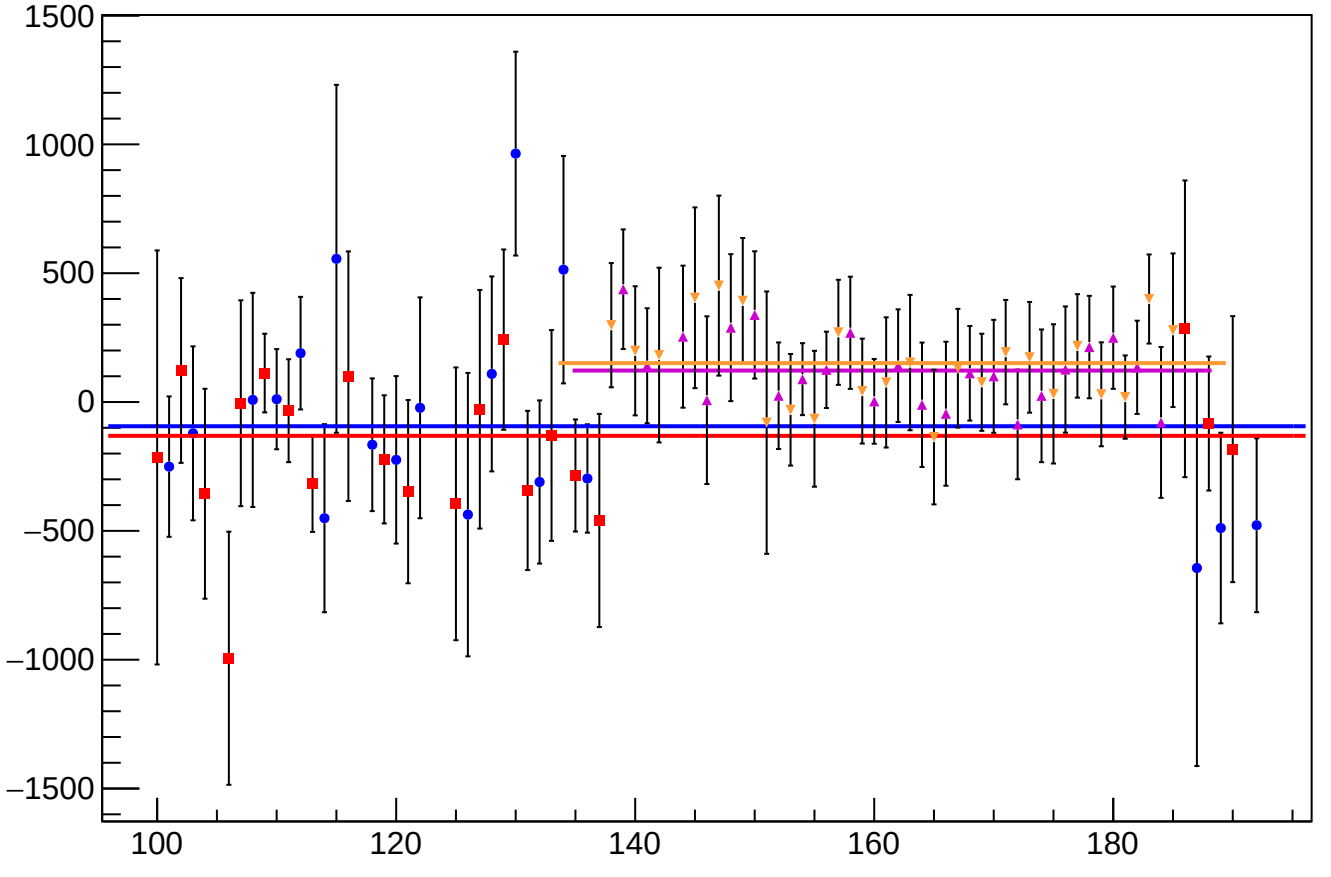
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.582+/-0.004 χ^2/NDF: 37214.7/39

In: 22.487+/-0.003 χ^2/NDF:35425.8/41

Out: 22.552+/-0.003 χ^2/NDF:37205.3/44

All: 22.520+/-0.002 χ^2/NDF: 72861.1/86



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: -131.172+/-65.614 χ^2/NDF: 12.1/20

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

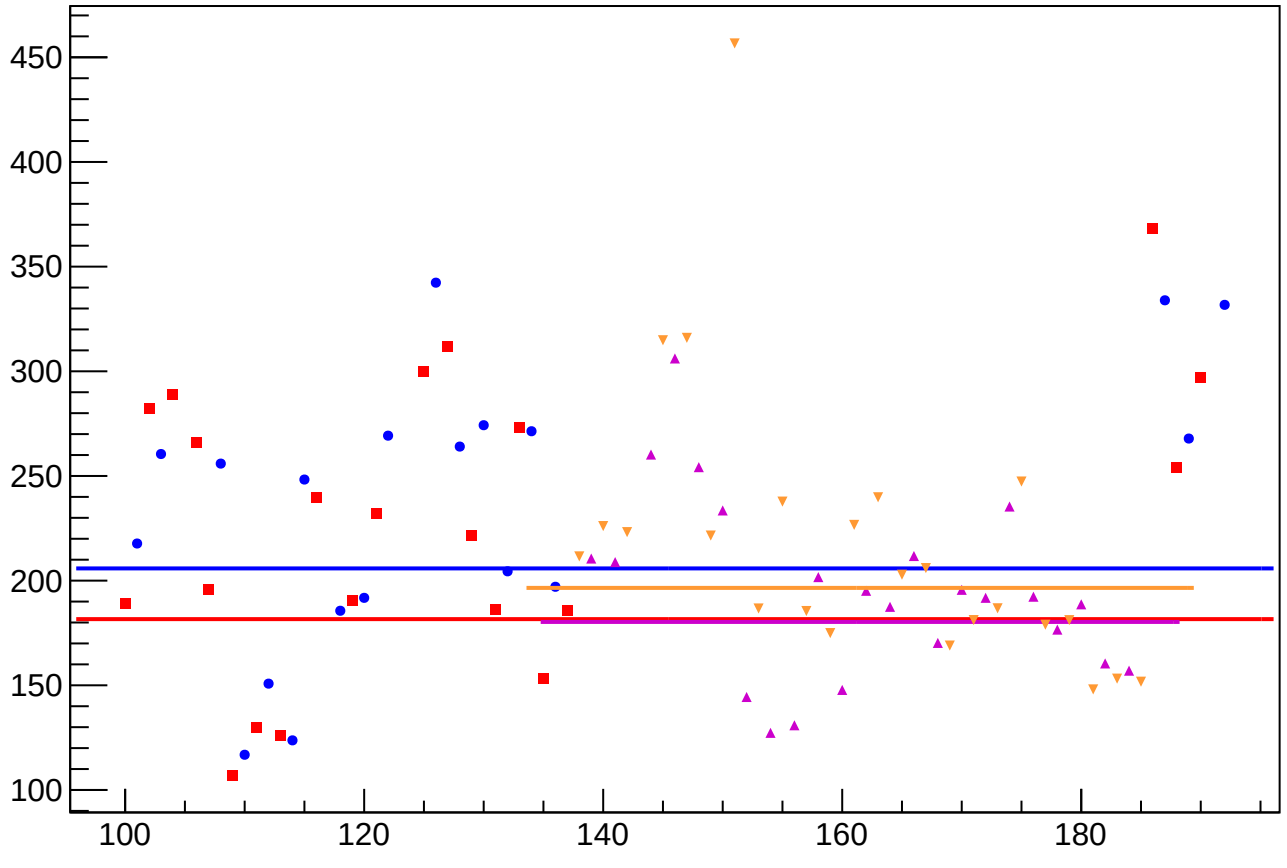
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -114.543+/-48.817 χ^2/NDF: 30.9/39

In: 64.640+/-37.696 χ^2/NDF:32.5/41

Out: 54.535+/-38.378 χ^2/NDF:34.3/44

All: 59.678+/-26.893 χ^2/NDF: 66.8/86



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: 181.614+/-0.046 χ^2/NDF: 2106548.5/20

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

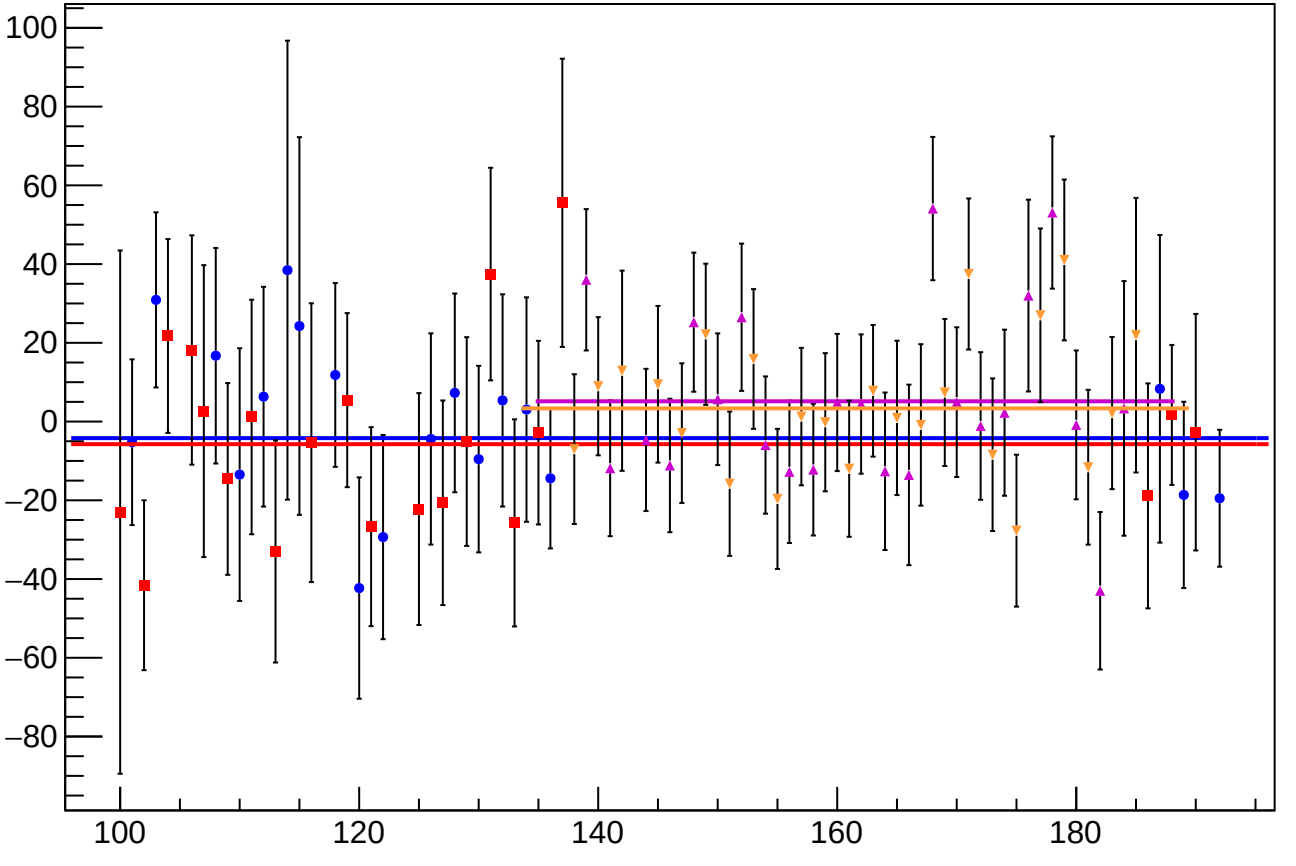
Right: 192.429+/-0.035 χ^2/NDF: 3697220.8/39

In: 187.079+/-0.027 χ^2/NDF:3273322.8/41

Out: 191.429+/-0.027 χ^2/NDF:3902461.1/44

All: 189.215+/-0.019 χ^2/NDF: 7188860.9/86

asym_bcm_dg_ds_an_us_dd_mean vs Slug, Sign Corrected



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: -5.742+/-5.835 χ^2/NDF: 13.9/20

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

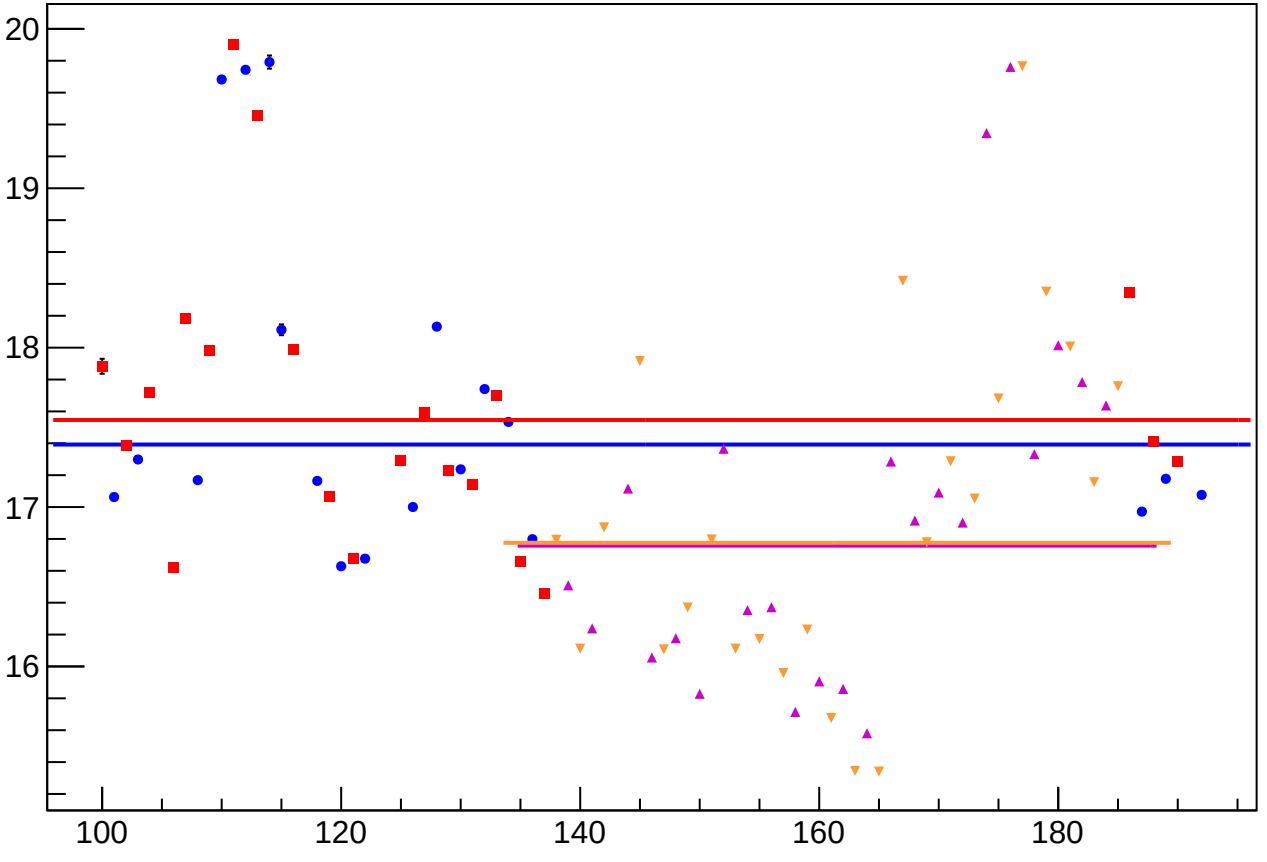
Right: -4.974+/-4.124 χ^2/NDF: 23.4/39

In: 2.232+/-3.255 χ^2/NDF:43.5/41

Out: 0.544+/-3.245 χ^2/NDF:33.2/44

All: 1.386+/-2.298 χ^2/NDF: 76.9/86

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: 17.546+/-0.004 χ^2/NDF: 36308.6/20

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

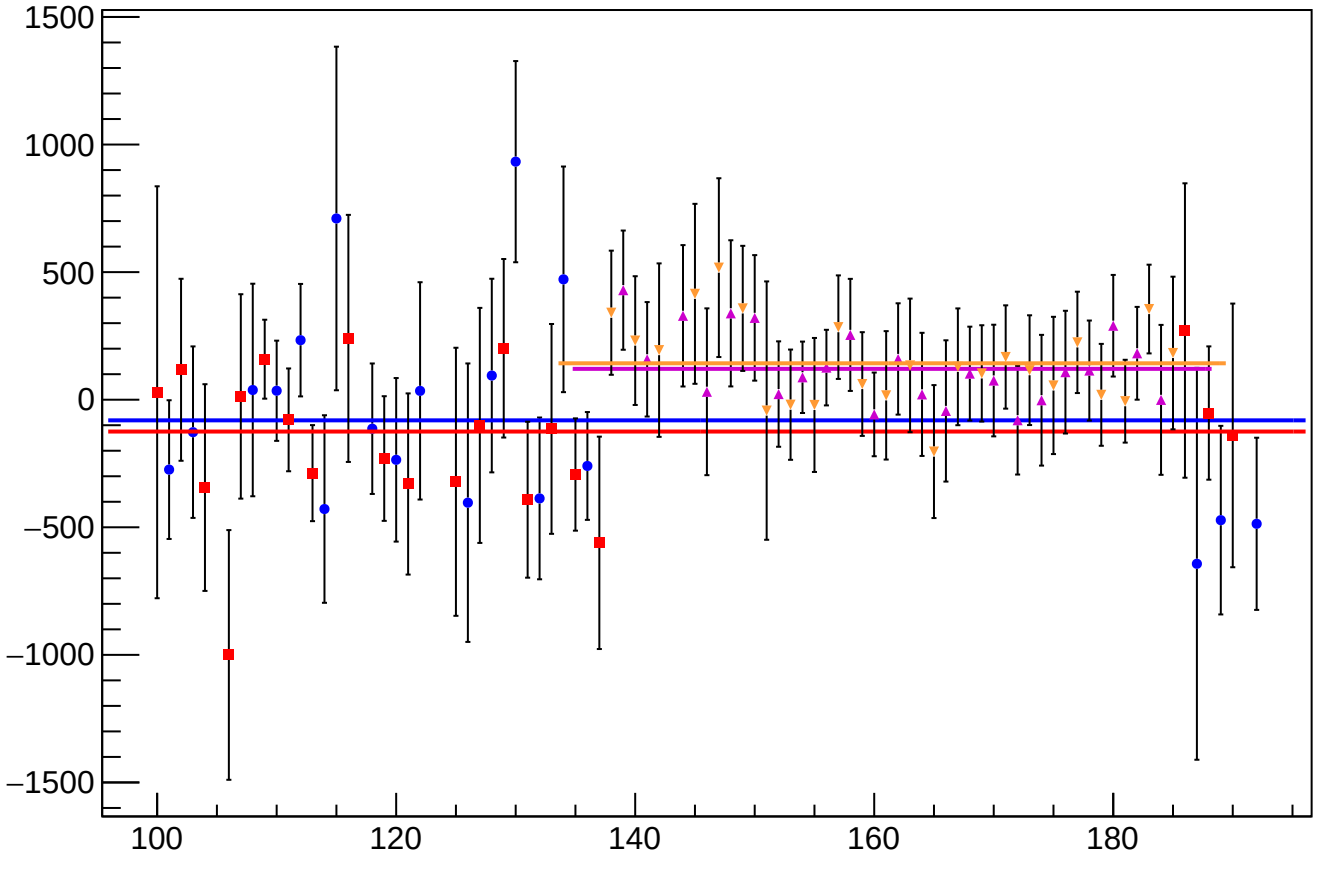
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.469+/-0.003 χ^2/NDF: 74960.8/39

In: 16.956+/-0.002 χ^2/NDF:177559.7/41

Out: 17.014+/-0.002 χ^2/NDF:196544.9/44

All: 16.985+/-0.002 χ^2/NDF: 374427.9/86



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: -124.777+/-65.868 χ^2/NDF: 13.4/20

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

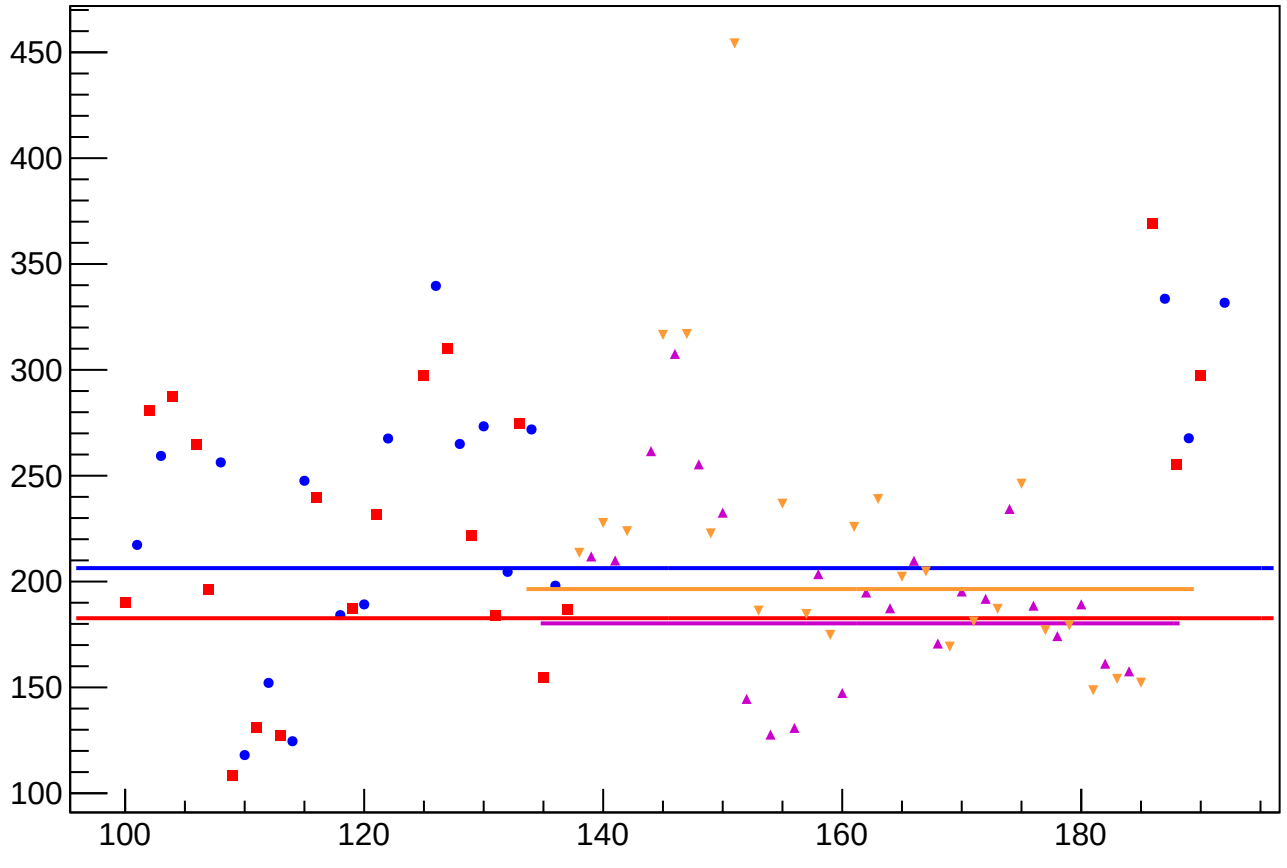
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -105.133+/-48.951 χ^2/NDF: 32.6/39

In: 67.296+/-37.702 χ^2/NDF:32.9/41

Out: 51.726+/-38.413 χ^2/NDF:34.4/44

All: 59.657+/-26.907 χ^2/NDF: 67.4/86



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: 182.689+/-0.047 χ^2/NDF: 2044719.5/20

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

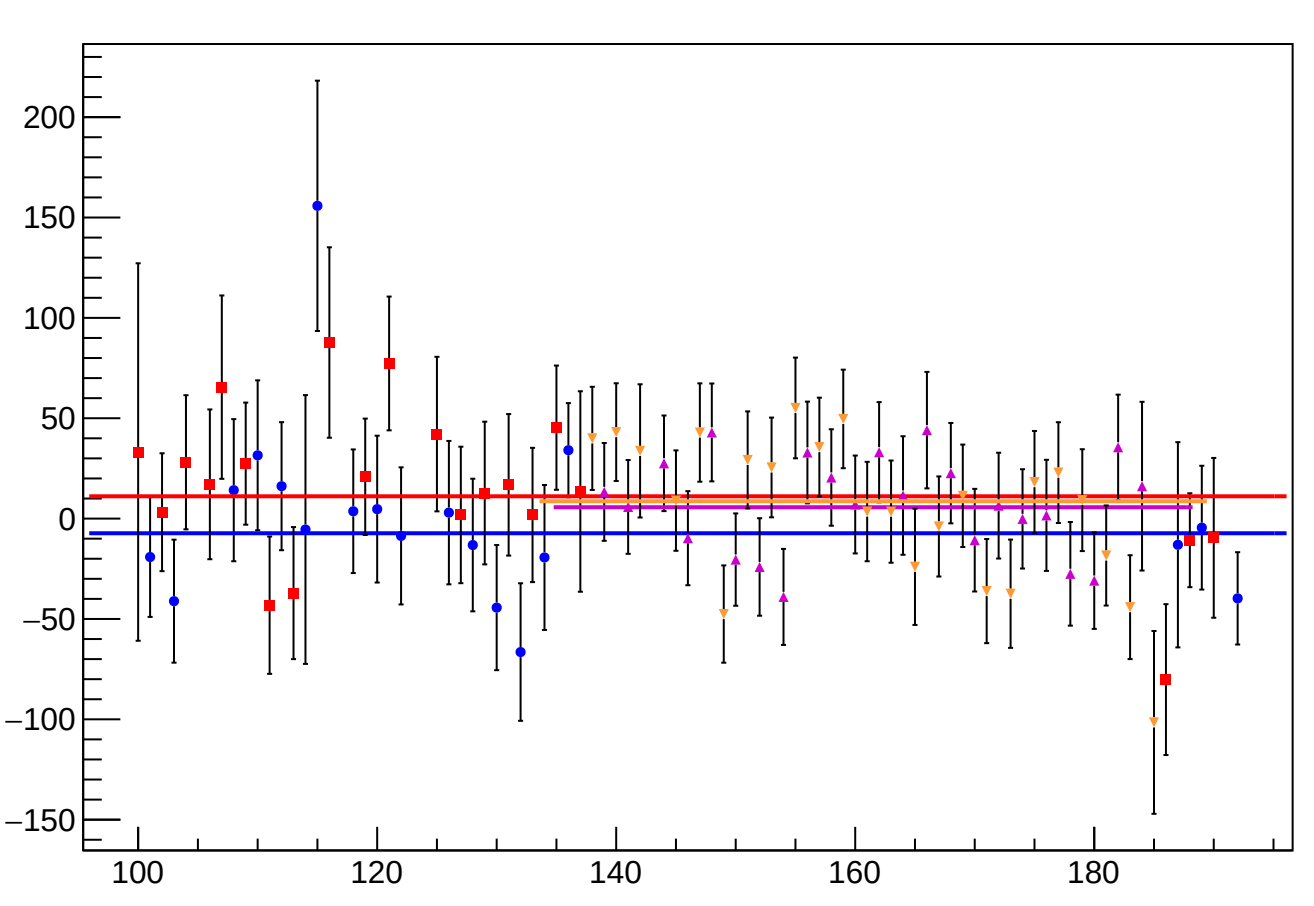
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 193.282+/-0.035 χ^2/NDF: 3594345.8/39

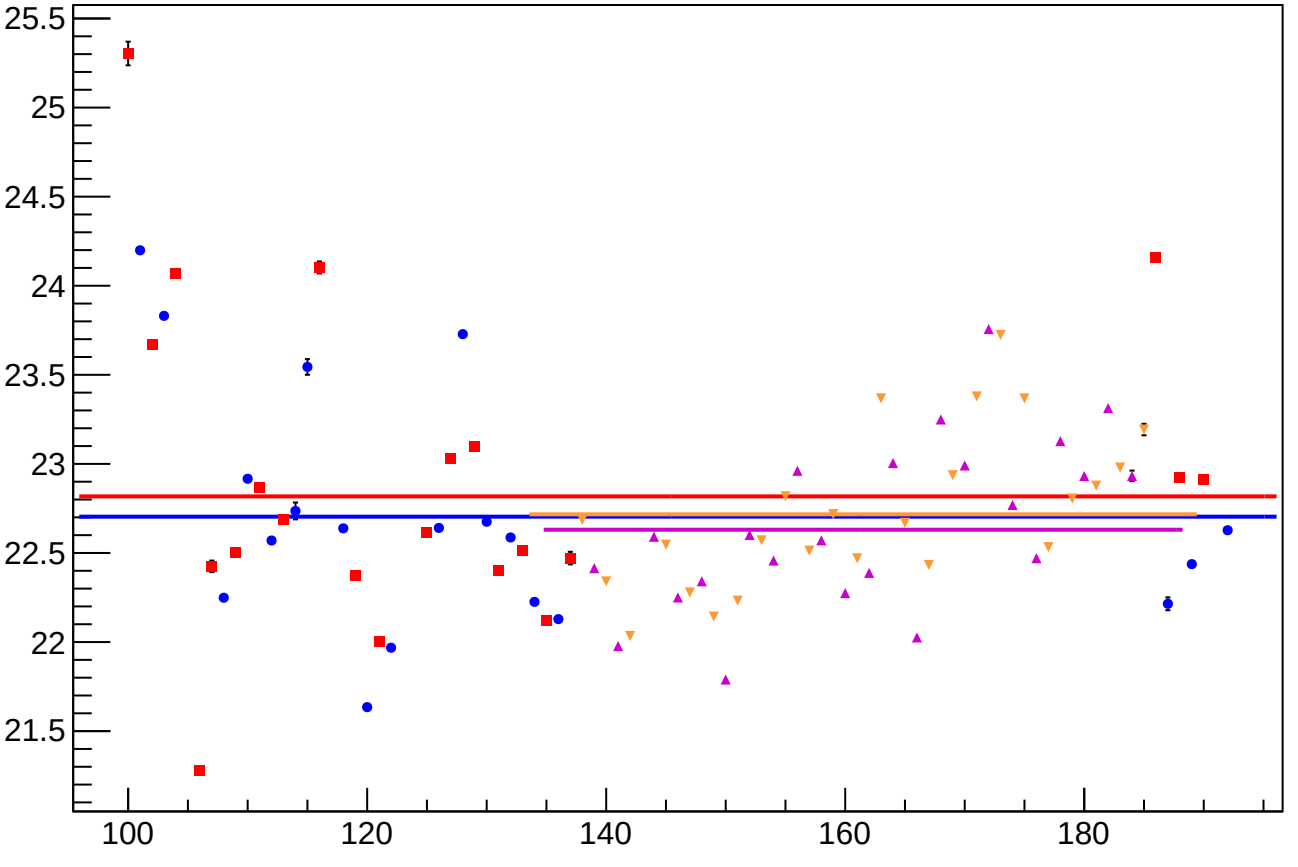
In: 187.180+/-0.027 χ^2/NDF:3248833.2/41

Out: 191.771+/-0.027 χ^2/NDF:3825871.7/44

All: 189.433+/-0.019 χ^2/NDF: 7089255.1/86


asym_bcm_dg_us_an_ds_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
−150
100
120
140
160
180
Right In: -7.298+/-7.599 χ²/NDF: 20.2/18
Left Out: 8.664+/-5.275 χ²/NDF:39.2/23
Right Out: 11.116+/-7.581 χ²/NDF: 22.5/20
Left In: 5.668+/-5.286 χ²/NDF:20.8/22
Left: 7.169+/-3.734 χ²/NDF: 60.1/46
Right: 1.932+/-5.367 χ²/NDF: 45.7/39
In: 1.440+/-4.340 χ²/NDF:43.0/41
Out: 9.464+/-4.330 χ²/NDF:61.8/44
All: 5.461+/-3.065 χ²/NDF: 106.5/86

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: 22.818+/-0.005 χ^2/NDF: 17197.2/20

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

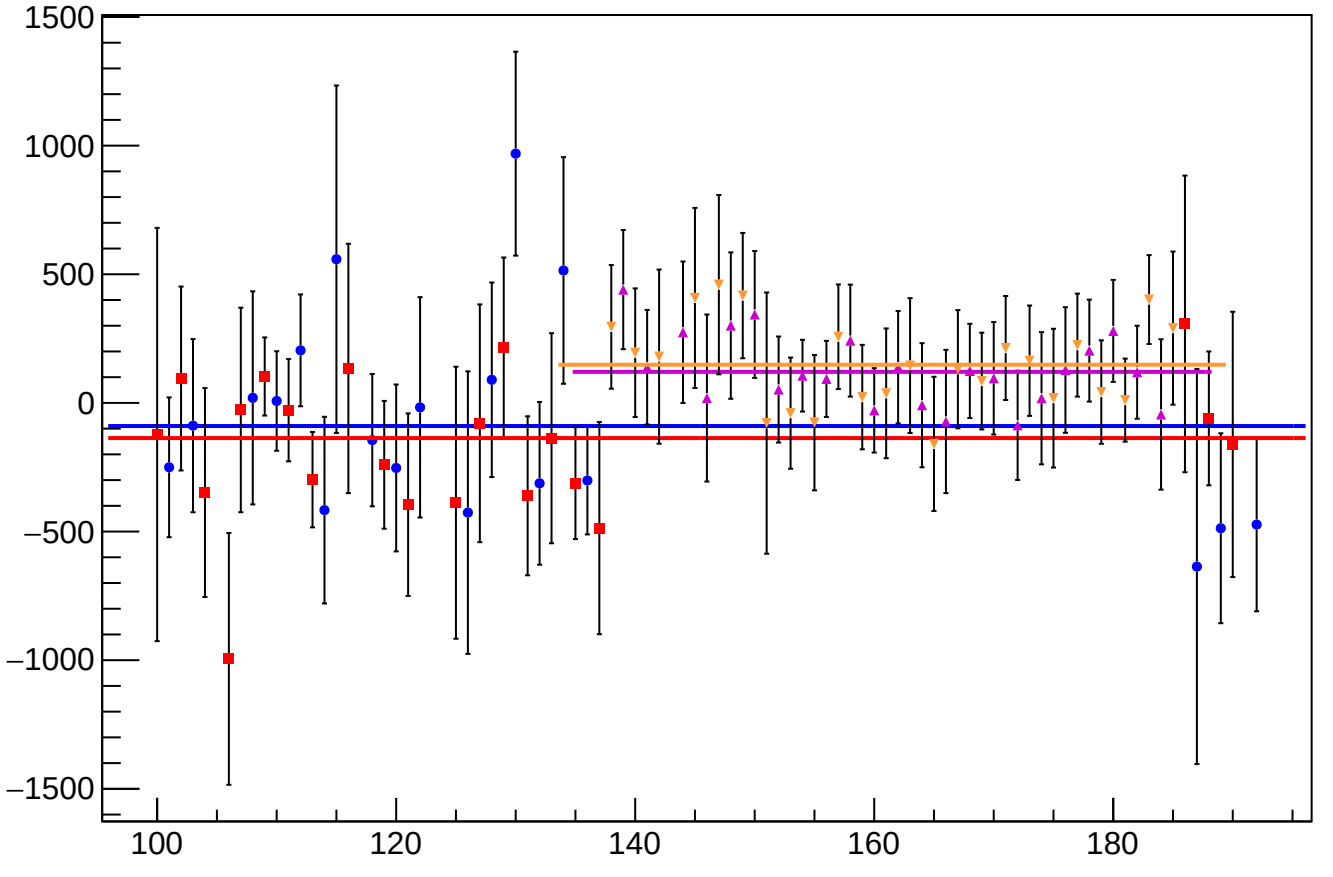
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.761+/-0.004 χ^2/NDF: 32452.4/39

In: 22.654+/-0.003 χ^2/NDF:30547.0/41

Out: 22.750+/-0.003 χ^2/NDF:29612.3/44

All: 22.702+/-0.002 χ^2/NDF: 60643.5/86



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: -136.625+/-65.417 χ^2/NDF: 12.2/20

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

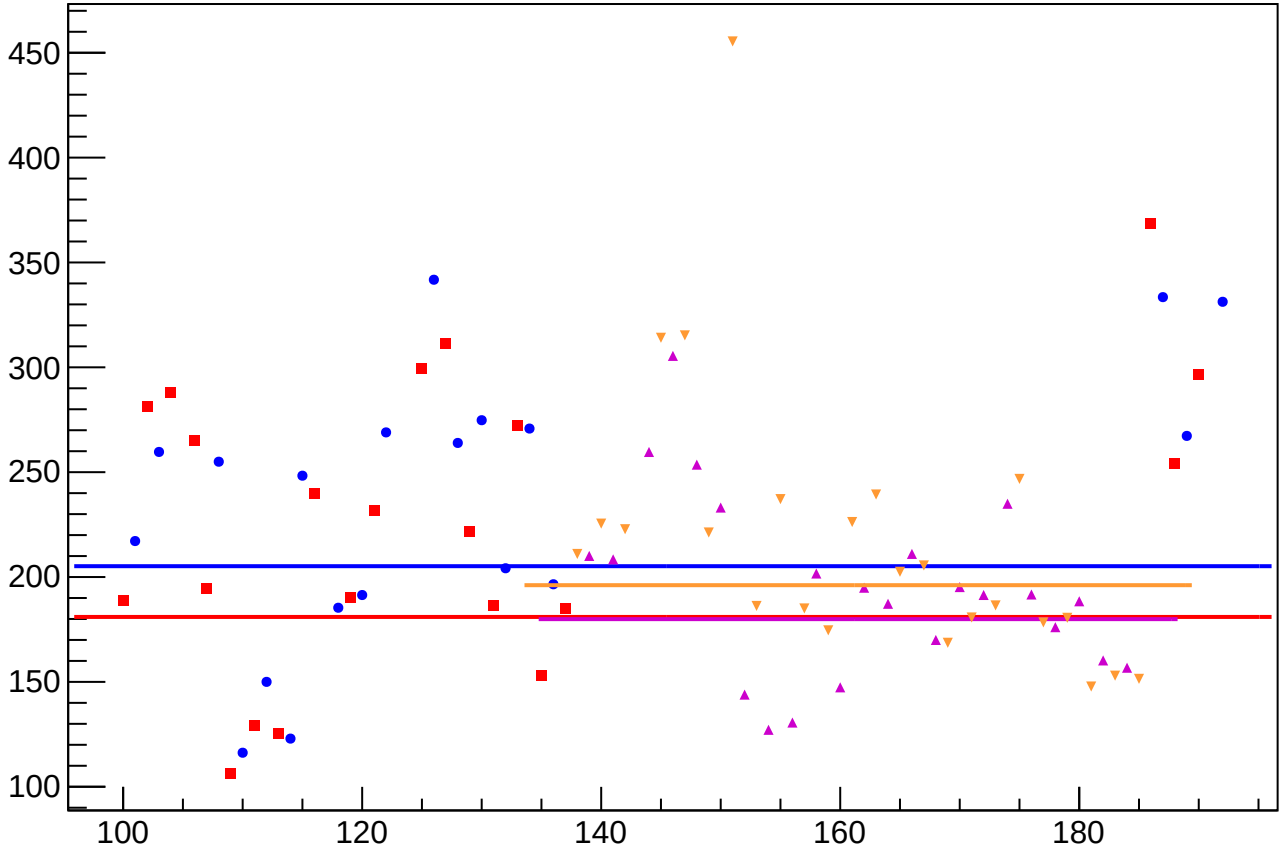
Right: -115.745+/-48.674 χ^2/NDF: 31.1/39

In: 64.621+/-37.614 χ^2/NDF:32.7/41

Out: 50.797+/-38.284 χ^2/NDF:35.6/44

All: 57.831+/-26.831 χ^2/NDF: 68.4/86

asym_bcm_dg_ds_an_ds_avg_rms vs Slug, Sign Corrected



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: 180.970+/-0.046 χ^2/NDF: 2123912.0/20

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

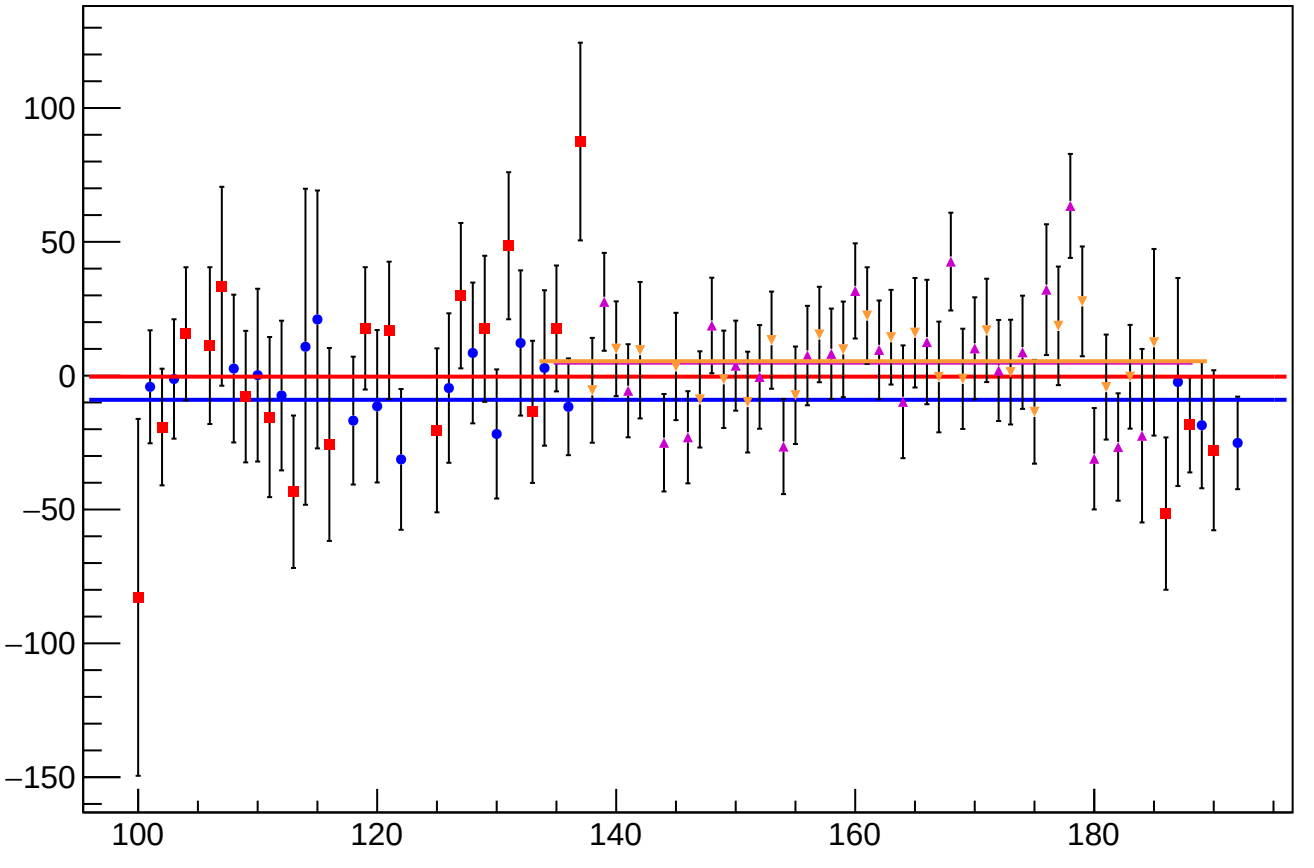
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 191.773+/-0.034 χ^2/NDF: 3728391.4/39

In: 186.653+/-0.027 χ^2/NDF:3282611.0/41

Out: 190.926+/-0.027 χ^2/NDF:3920657.7/44

All: 188.752+/-0.019 χ^2/NDF: 7215943.9/86



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: -0.363+/-5.910 χ^2/NDF: 24.7/20

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

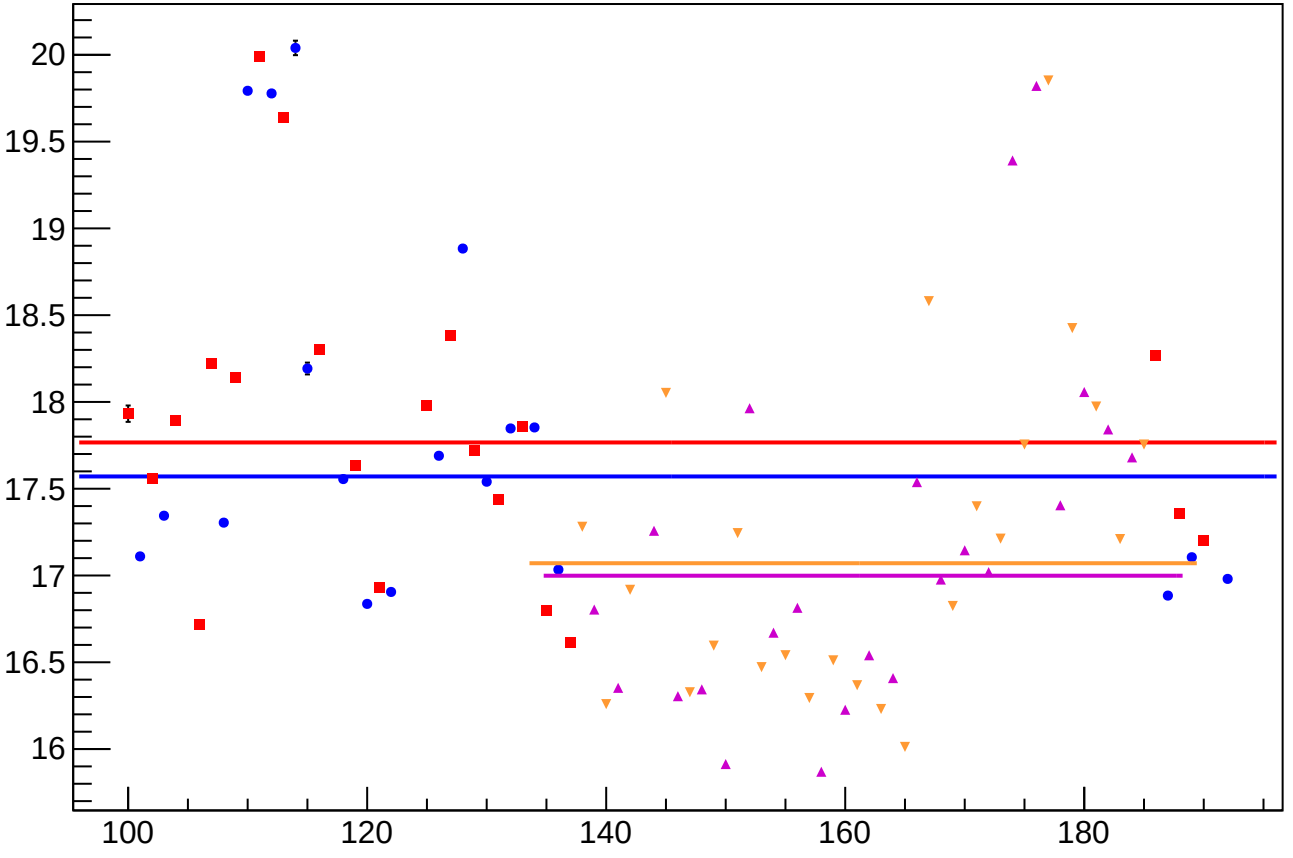
Right: -4.702+/-4.172 χ^2/NDF: 30.2/39

In: 0.510+/-3.298 χ^2/NDF:43.7/41

Out: 3.611+/-3.297 χ^2/NDF:33.2/44

All: 2.061+/-2.332 χ^2/NDF: 77.3/86

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: 17.767+/-0.004 χ^2/NDF: 35049.6/20

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

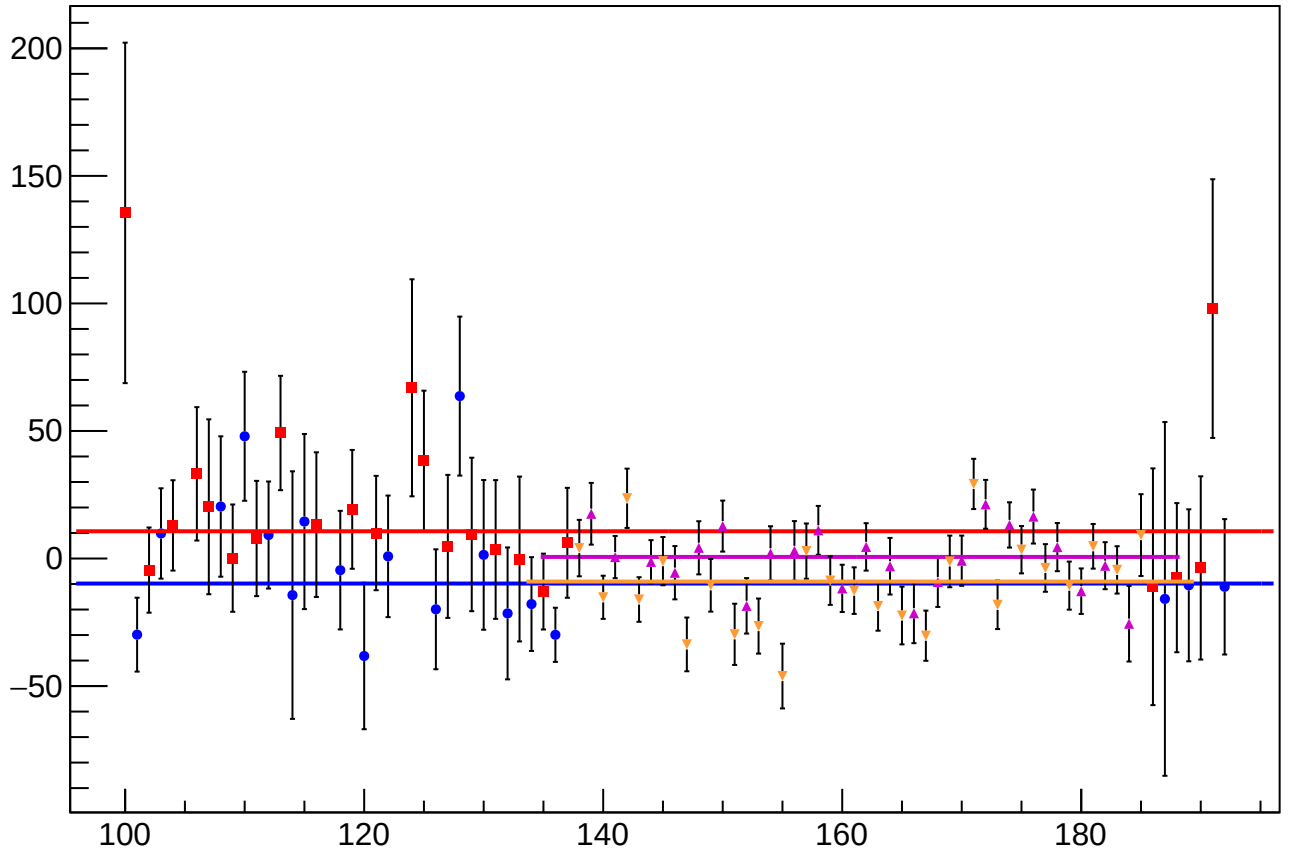
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

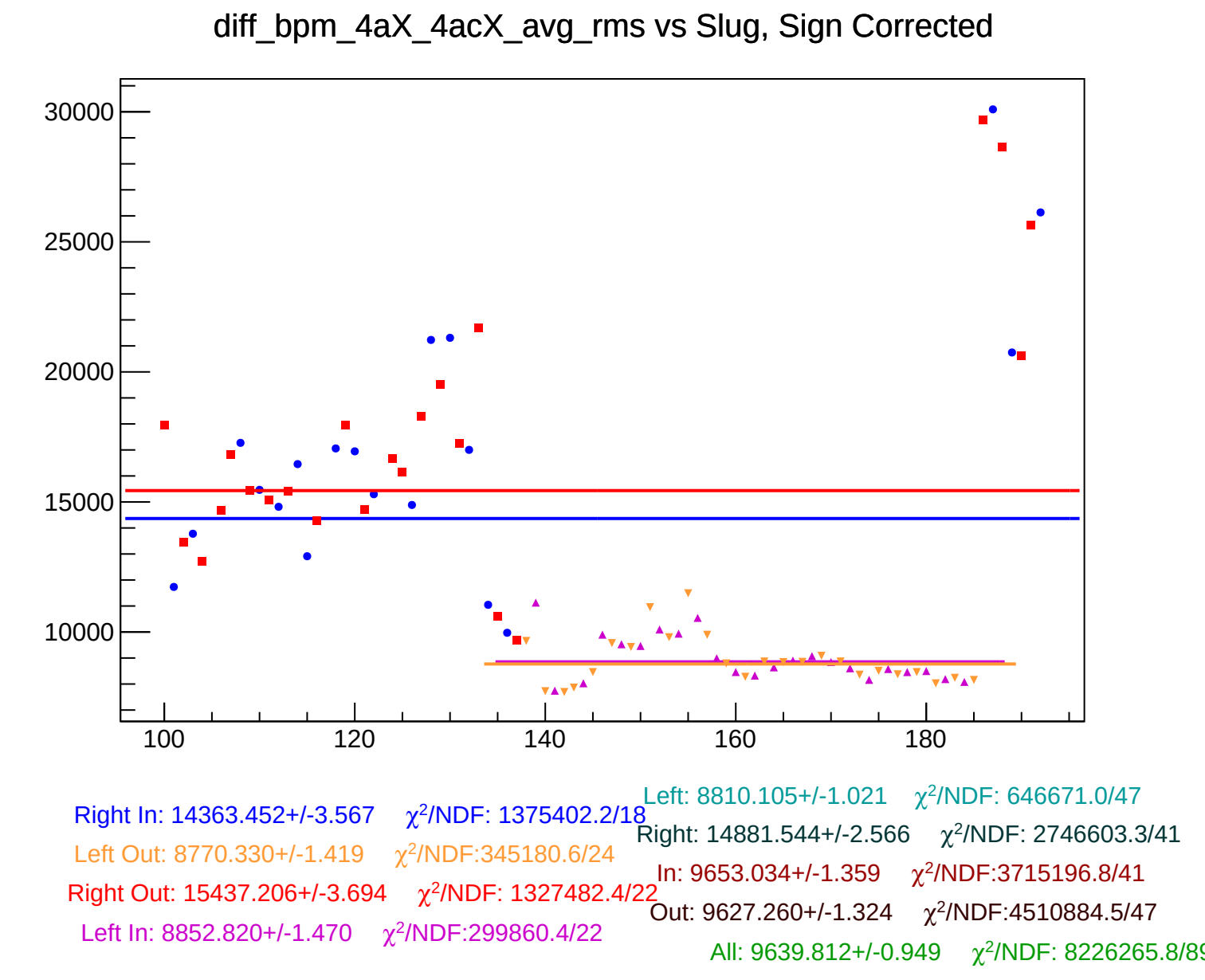
Right: 17.668+/-0.003 χ^2/NDF: 76798.2/39

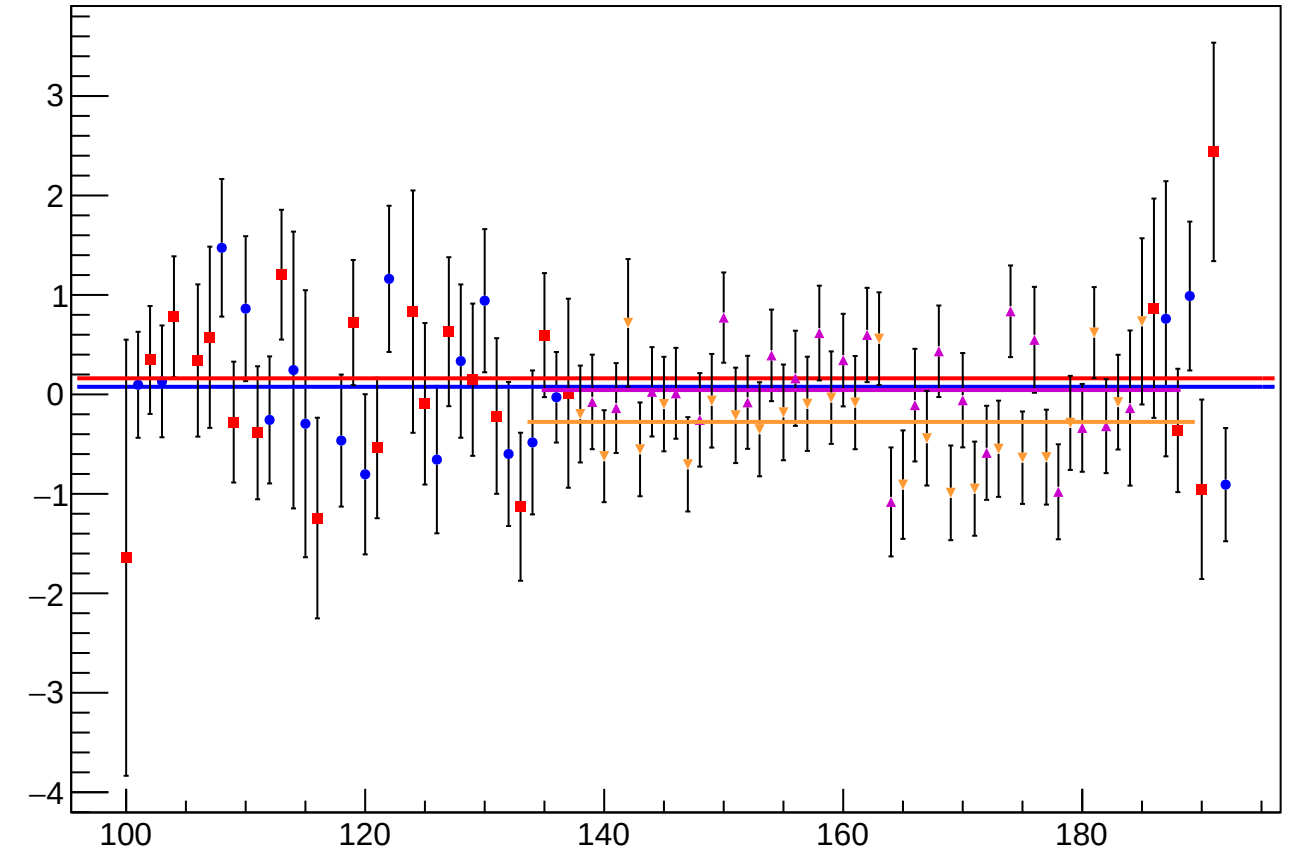
In: 17.178+/-0.002 χ^2/NDF:157611.6/41

Out: 17.287+/-0.002 χ^2/NDF:150460.1/44

All: 17.233+/-0.002 χ^2/NDF: 309168.8/86


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: 10.685+/-5.224 χ²/NDF: 17.8/22
Left In: 0.628+/-2.079 χ²/NDF:29.5/22
Left: -4.372+/-1.444 χ²/NDF: 102.7/47
Right: 0.080+/-3.629 χ²/NDF: 47.8/41
In: -0.887+/-1.922 χ²/NDF:55.2/41
Out: -6.494+/-1.873 χ²/NDF:92.2/47
All: -3.763+/-1.342 χ²/NDF: 151.7/89


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 14363.452+/-3.567 χ²/NDF: 1375402.2/18
Left Out: 8770.330+/-1.419 χ²/NDF:345180.6/24
Right Out: 15437.206+/-3.694 χ²/NDF: 1327482.4/22
Left In: 8852.820+/-1.470 χ²/NDF:299860.4/22
Left: 8810.105+/-1.021 χ²/NDF: 646671.0/47
Right: 14881.544+/-2.566 χ²/NDF: 2746603.3/41
In: 9653.034+/-1.359 χ²/NDF:3715196.8/41
Out: 9627.260+/-1.324 χ²/NDF:4510884.5/47
All: 9639.812+/-0.949 χ²/NDF: 8226265.8/89



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: 0.162+/-0.157 χ^2/NDF: 21.1/22

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

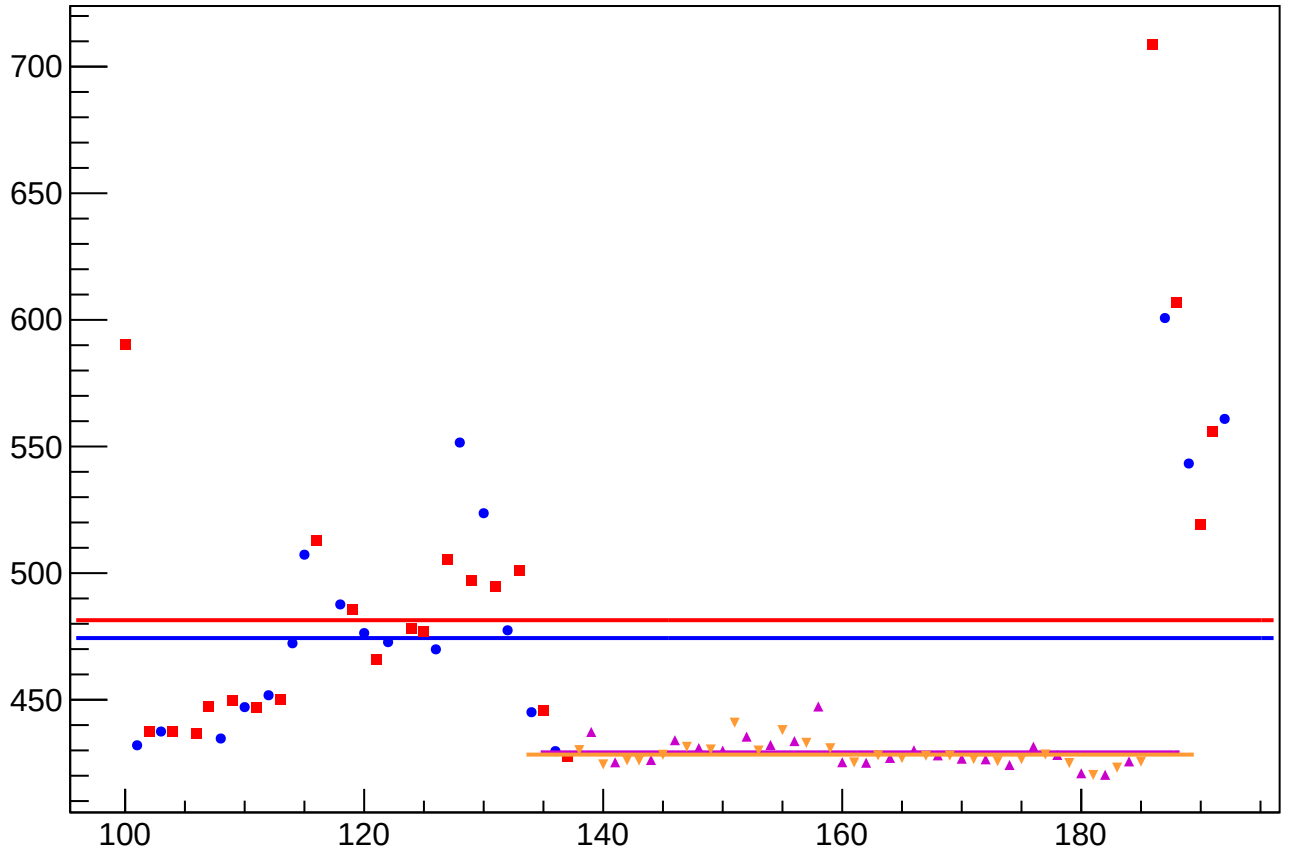
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.120+/-0.112 χ^2/NDF: 39.6/41

In: 0.053+/-0.085 χ^2/NDF:42.3/41

Out: -0.156+/-0.083 χ^2/NDF:47.7/47

All: -0.054+/-0.059 χ^2/NDF: 93.1/89



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: 481.416+/-0.111 χ^2/NDF: 253941.5/22

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

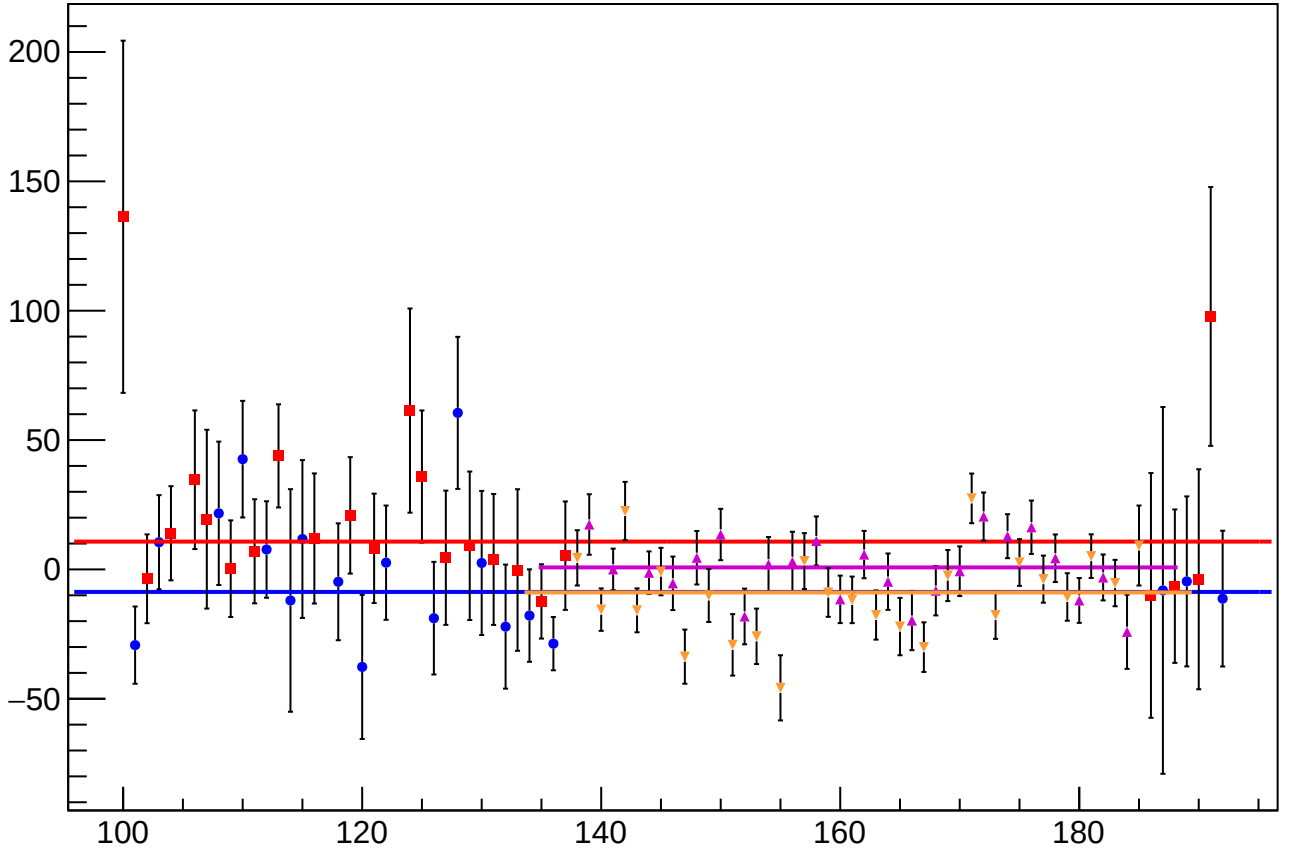
Right: 477.931+/-0.079 χ^2/NDF: 423026.5/41

In: 442.006+/-0.060 χ^2/NDF:288650.1/41

Out: 443.005+/-0.059 χ^2/NDF:422329.2/47

All: 442.518+/-0.042 χ^2/NDF: 711121.4/89

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: 10.749+/-5.023 χ^2/NDF: 17.5/22

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

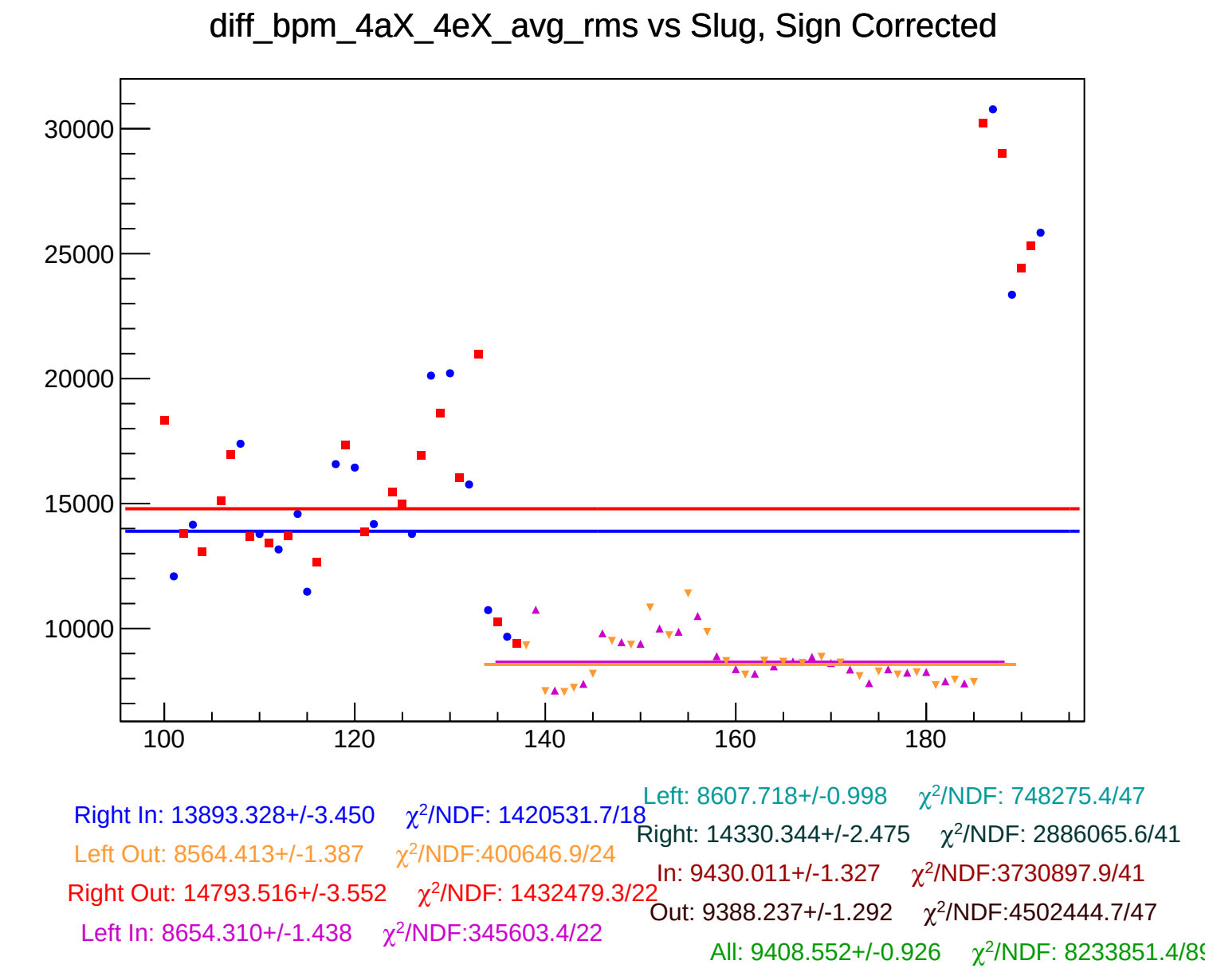
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

Right: 0.740+/-3.500 χ^2/NDF: 47.6/41

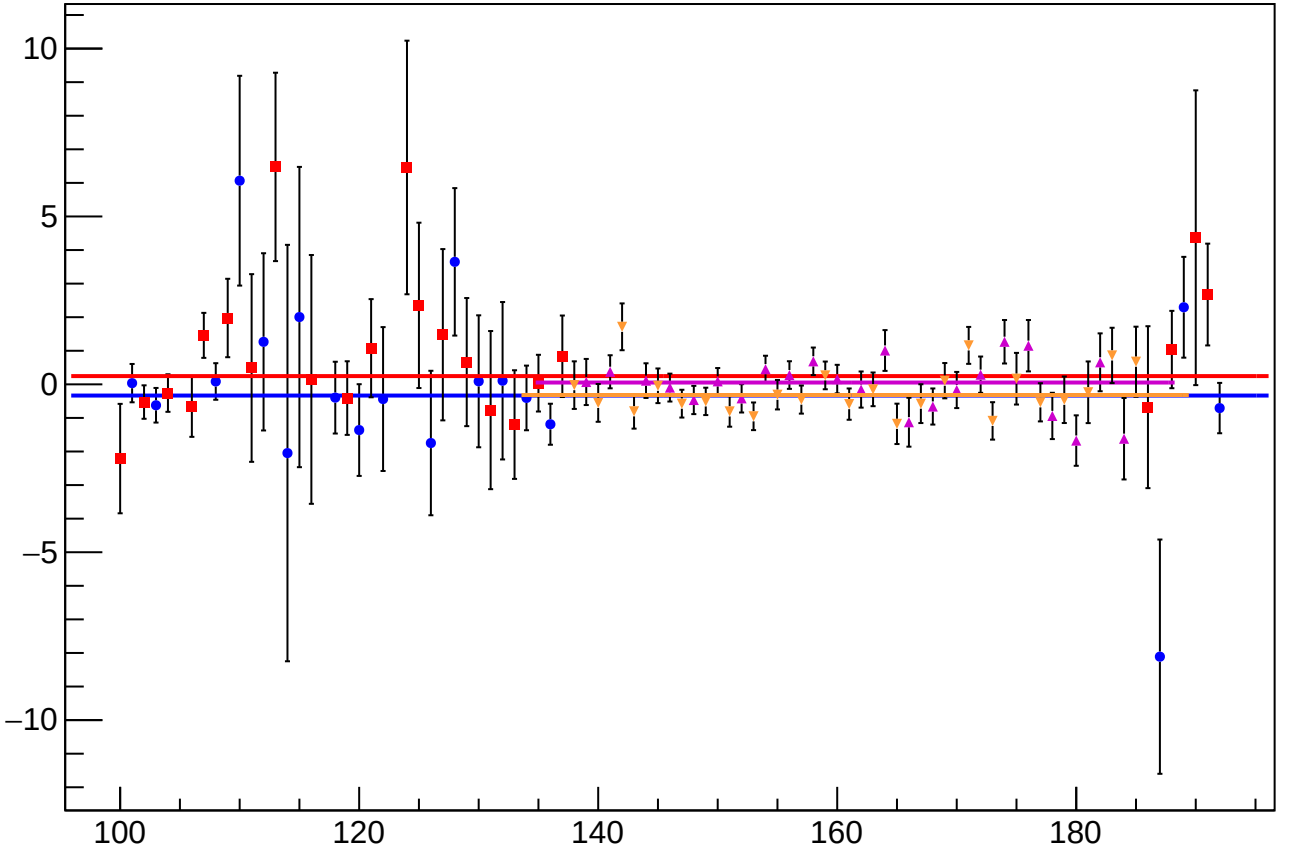
In: -0.631+/-1.877 χ^2/NDF:54.8/41

Out: -6.305+/-1.827 χ^2/NDF:92.4/47

All: -3.545+/-1.309 χ^2/NDF: 151.9/89


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: 14793.516+/-3.552 χ²/NDF: 1432479.3/22
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 14330.344+/-2.475 χ²/NDF: 2886065.6/41
In: 9430.011+/-1.327 χ²/NDF:3730897.9/41
Out: 9388.237+/-1.292 χ²/NDF:4502444.7/47
All: 9408.552+/-0.926 χ²/NDF: 8233851.4/89

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: 0.246+/-0.235 χ^2/NDF: 26.7/22

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

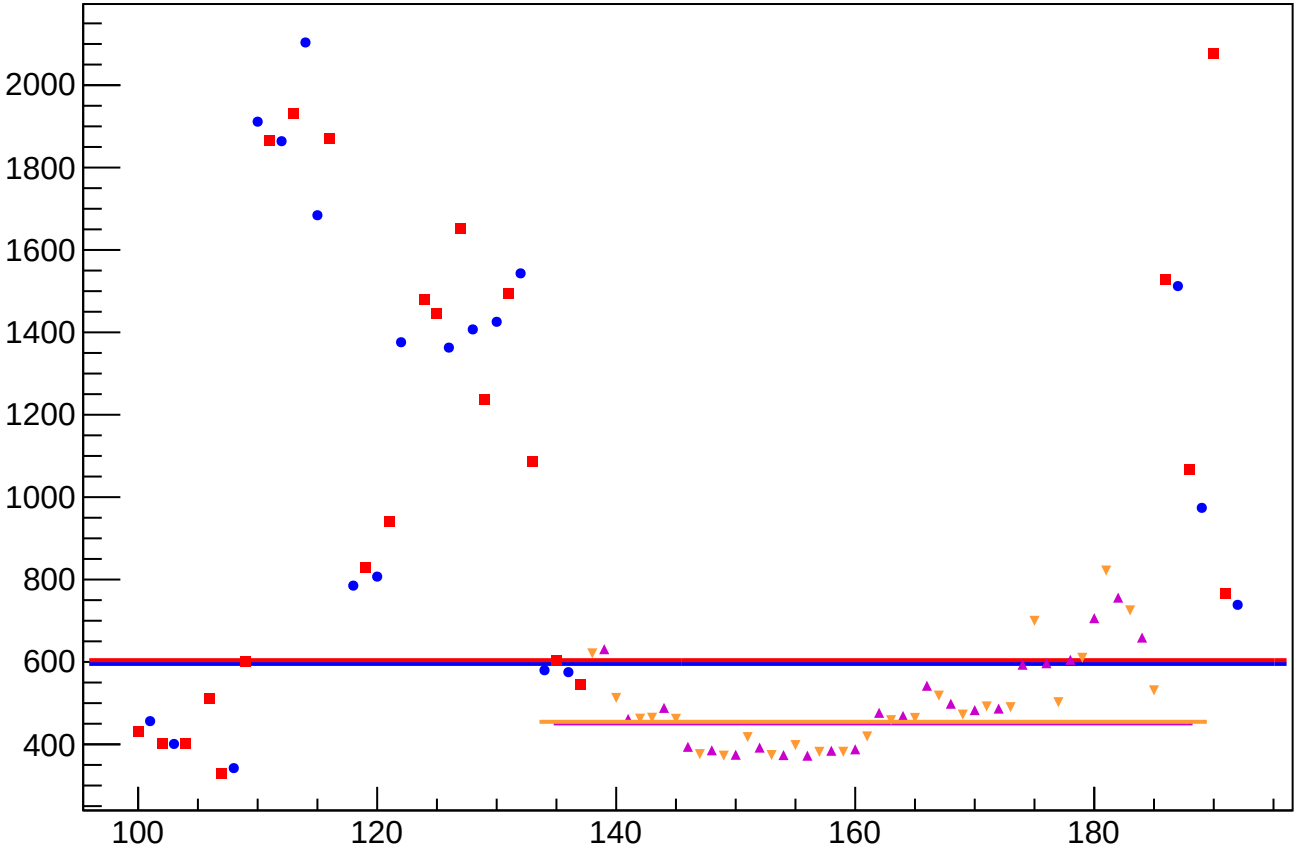
Right: -0.051+/-0.164 χ^2/NDF: 50.7/41

In: -0.017+/-0.098 χ^2/NDF:53.0/41

Out: -0.222+/-0.097 χ^2/NDF:63.8/47

All: -0.121+/-0.069 χ^2/NDF: 119.0/89

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: 604.300+/-0.166 χ^2/NDF: 4486494.9/22

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

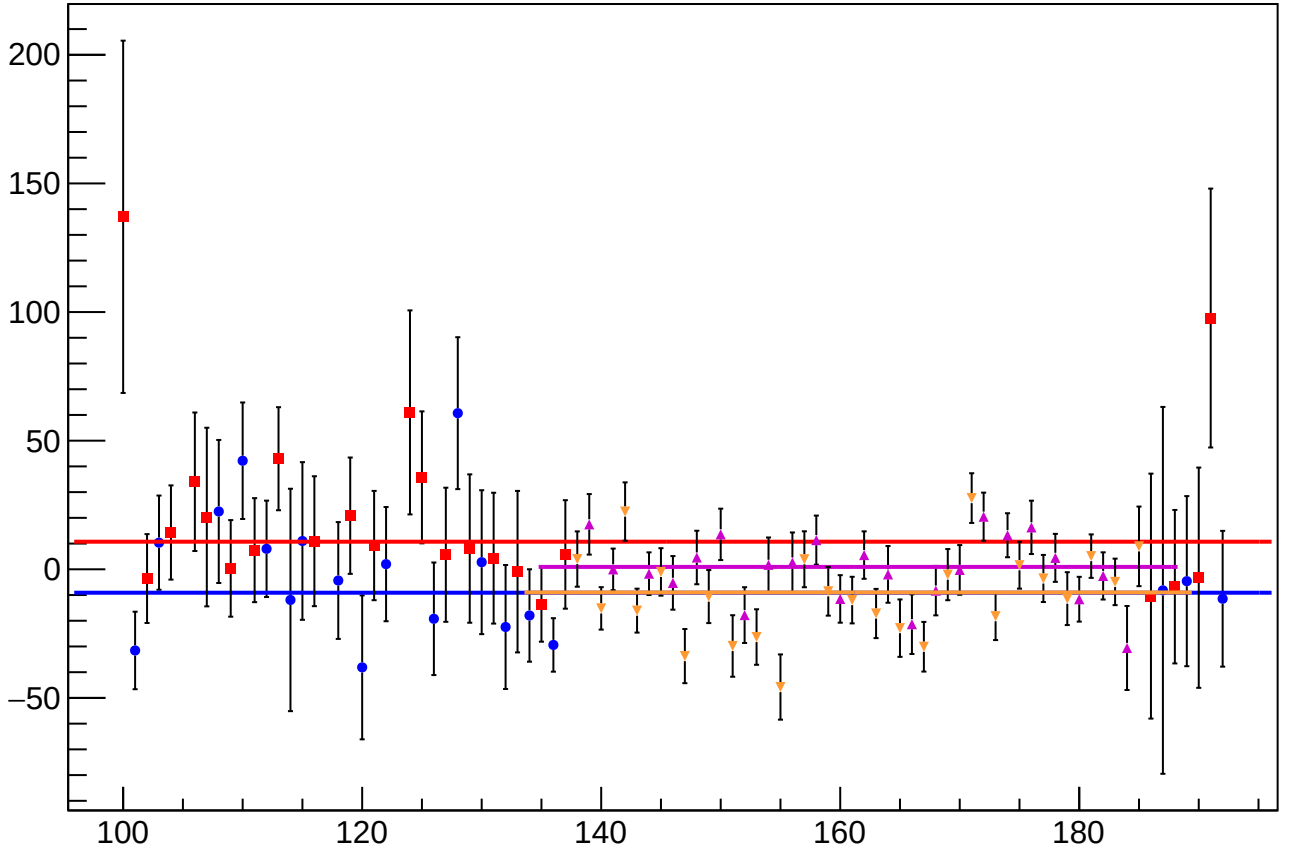
Right: 599.652+/-0.116 χ^2/NDF: 8306783.5/41

In: 477.123+/-0.069 χ^2/NDF:5941452.6/41

Out: 480.039+/-0.068 χ^2/NDF:6613004.0/47

All: 478.599+/-0.049 χ^2/NDF: 12555356.9/89

diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -9.106+/-4.911 χ^2/NDF: 22.8/18

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: 10.725+/-5.057 χ^2/NDF: 17.3/22

Left In: 0.925+/-2.056 χ^2/NDF:29.9/22

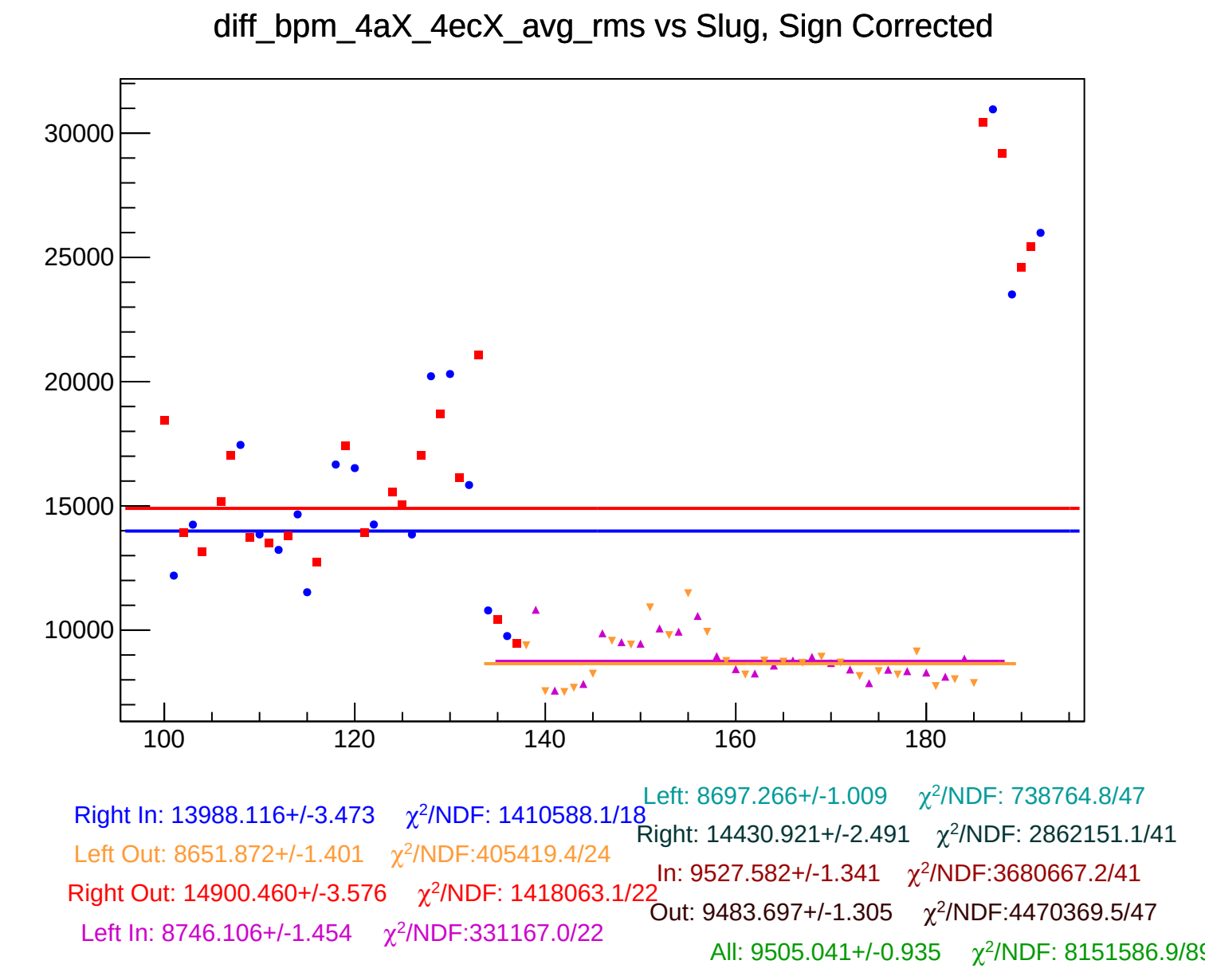
Left: -4.219+/-1.427 χ^2/NDF: 103.2/47

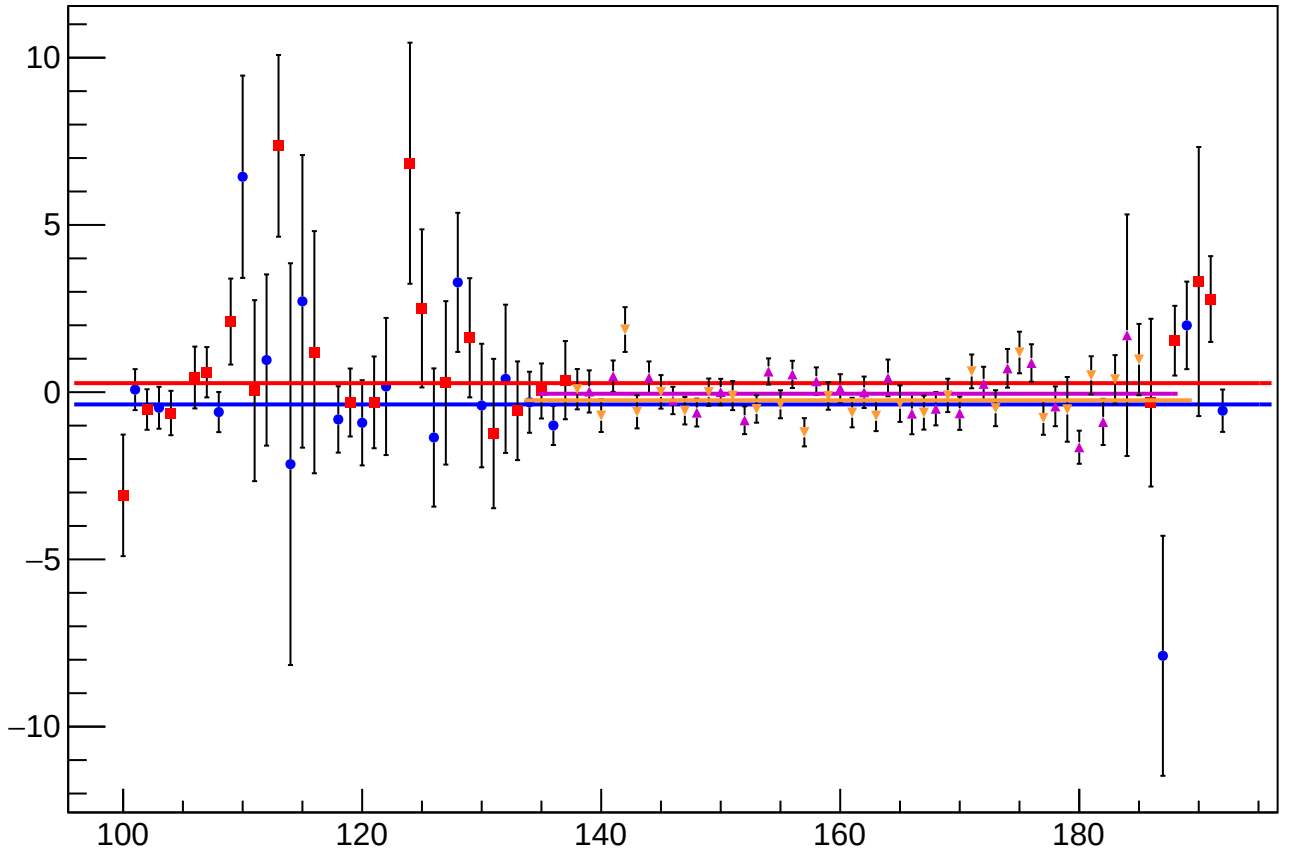
Right: 0.519+/-3.523 χ^2/NDF: 48.0/41

In: -0.570+/-1.896 χ^2/NDF:56.2/41

Out: -6.375+/-1.845 χ^2/NDF:91.8/47

All: -3.552+/-1.322 χ^2/NDF: 152.8/89


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: 14900.460+/-3.576 χ²/NDF: 1418063.1/22
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 14430.921+/-2.491 χ²/NDF: 2862151.1/41
In: 9527.582+/-1.341 χ²/NDF:3680667.2/41
Out: 9483.697+/-1.305 χ²/NDF:4470369.5/47
All: 9505.041+/-0.935 χ²/NDF: 8151586.9/89



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: 0.270+/-0.250 χ^2/NDF: 28.2/22

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

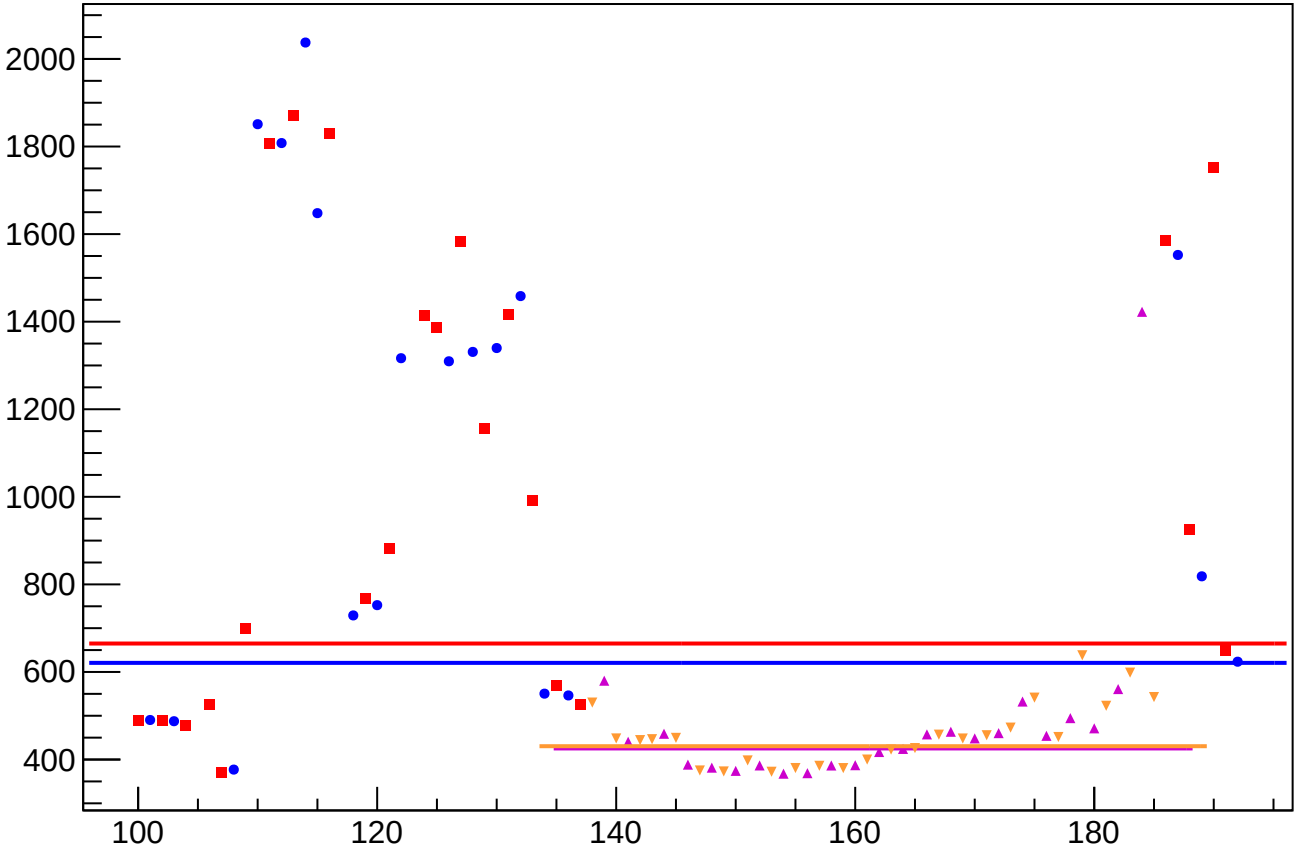
Right: -0.070+/-0.170 χ^2/NDF: 51.1/41

In: -0.098+/-0.093 χ^2/NDF:56.0/41

Out: -0.171+/-0.093 χ^2/NDF:66.1/47

All: -0.135+/-0.066 χ^2/NDF: 122.5/89

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: 664.948+/-0.177 χ^2/NDF: 3357300.1/22

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

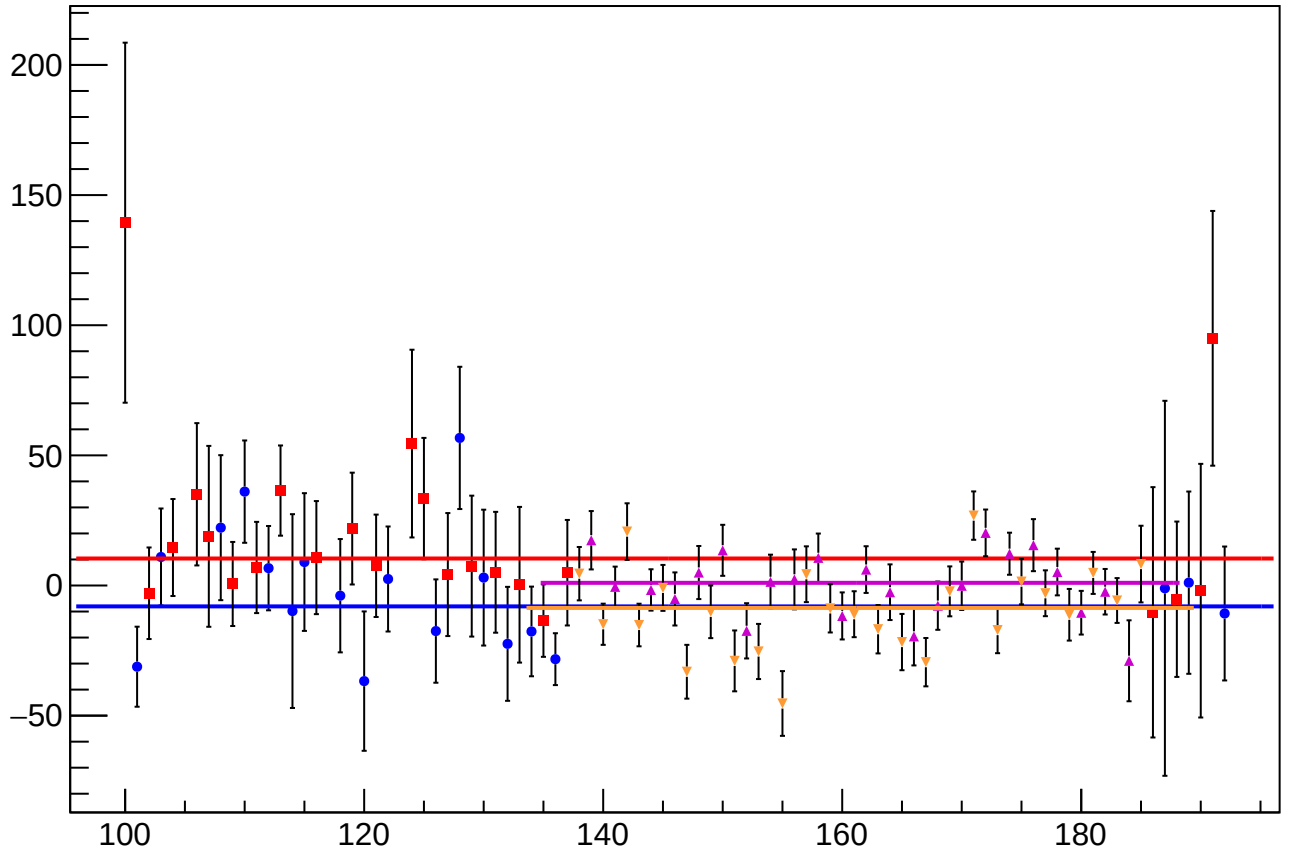
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

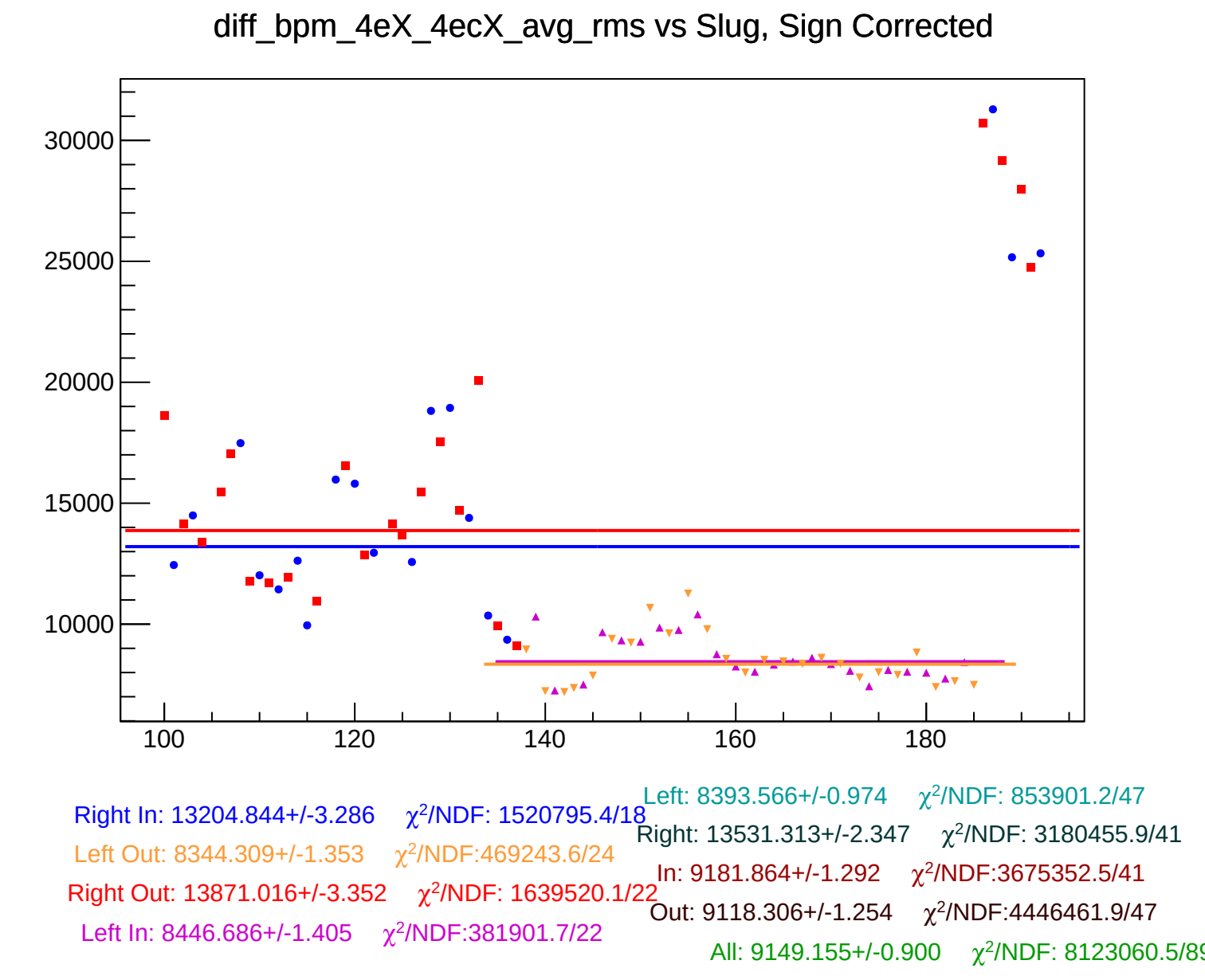
Right: 641.315+/-0.120 χ^2/NDF: 6428927.8/41

In: 456.576+/-0.066 χ^2/NDF:4939429.5/41

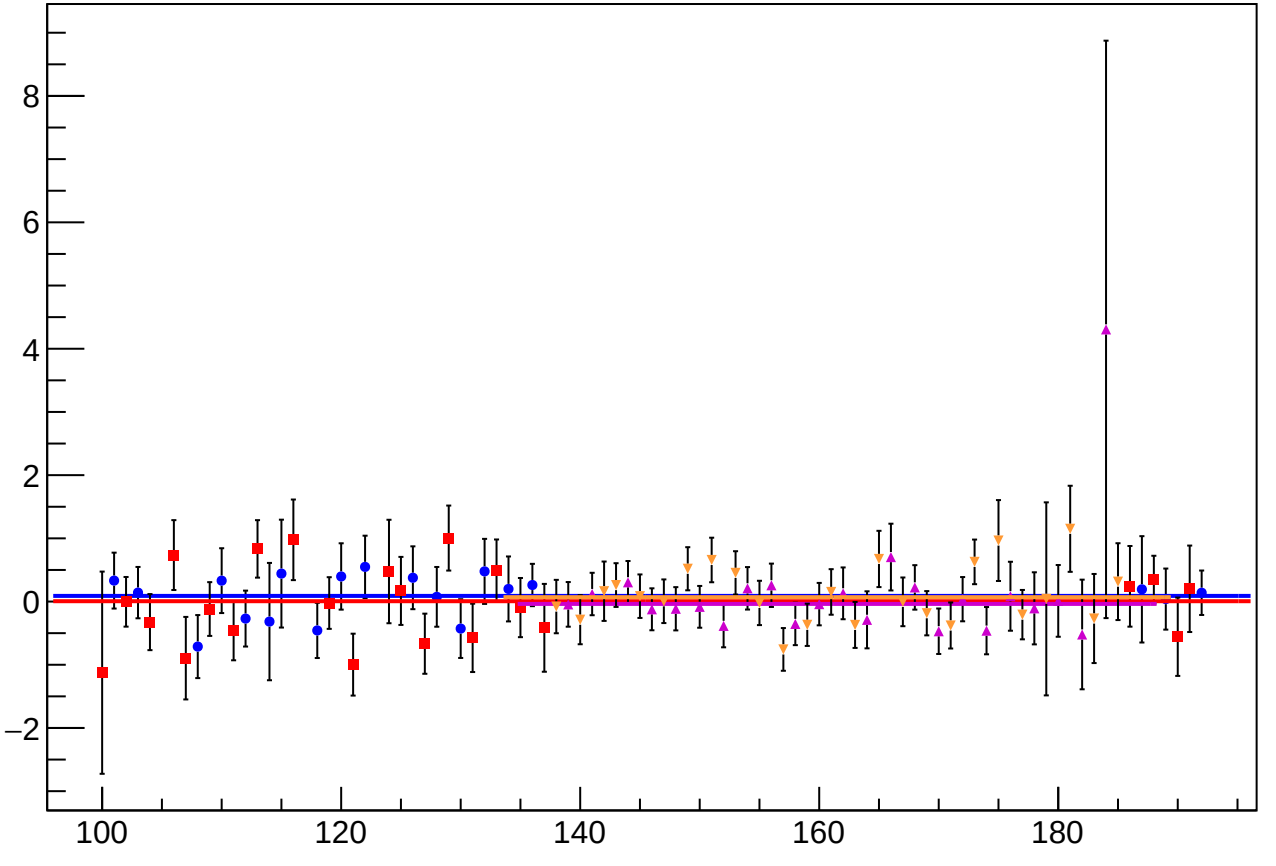
Out: 462.972+/-0.066 χ^2/NDF:5524974.1/47

All: 459.778+/-0.047 χ^2/NDF: 10469127.5/89


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: 10.373+/-4.741 χ²/NDF: 17.2/22
Left In: 1.027+/-1.987 χ²/NDF:29.8/22
Left: -3.980+/-1.378 χ²/NDF: 103.6/47
Right: 0.991+/-3.319 χ²/NDF: 48.1/41
In: -0.372+/-1.827 χ²/NDF:56.2/41
Out: -5.962+/-1.774 χ²/NDF:92.6/47
All: -3.249+/-1.273 χ²/NDF: 153.6/89


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: 13871.016+/-3.352 χ²/NDF: 1639520.1/22
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 13531.313+/-2.347 χ²/NDF: 3180455.9/41
In: 9181.864+/-1.292 χ²/NDF:3675352.5/41
Out: 9118.306+/-1.254 χ²/NDF:4446461.9/47
All: 9149.155+/-0.900 χ²/NDF: 8123060.5/89

diff_bpm_4eX_4ecX_dd_mean vs Slug, Sign Corrected



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: 0.006+/-0.107 χ^2/NDF: 26.2/22

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

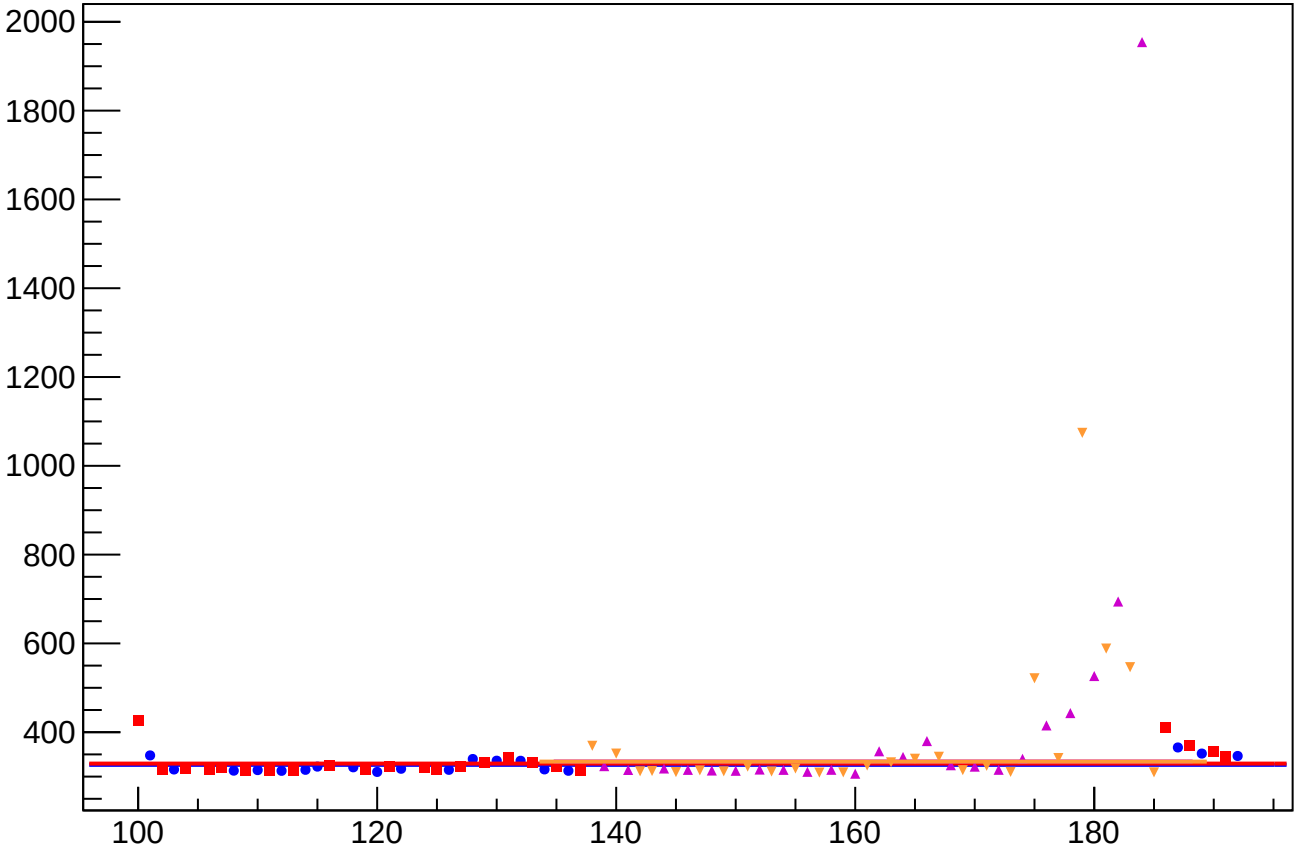
Right: 0.047+/-0.077 χ^2/NDF: 35.9/41

In: 0.007+/-0.065 χ^2/NDF:21.9/41

Out: 0.047+/-0.064 χ^2/NDF:54.6/47

All: 0.028+/-0.046 χ^2/NDF: 76.8/89

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: 329.291+/-0.076 χ^2/NDF: 87193.0/22

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

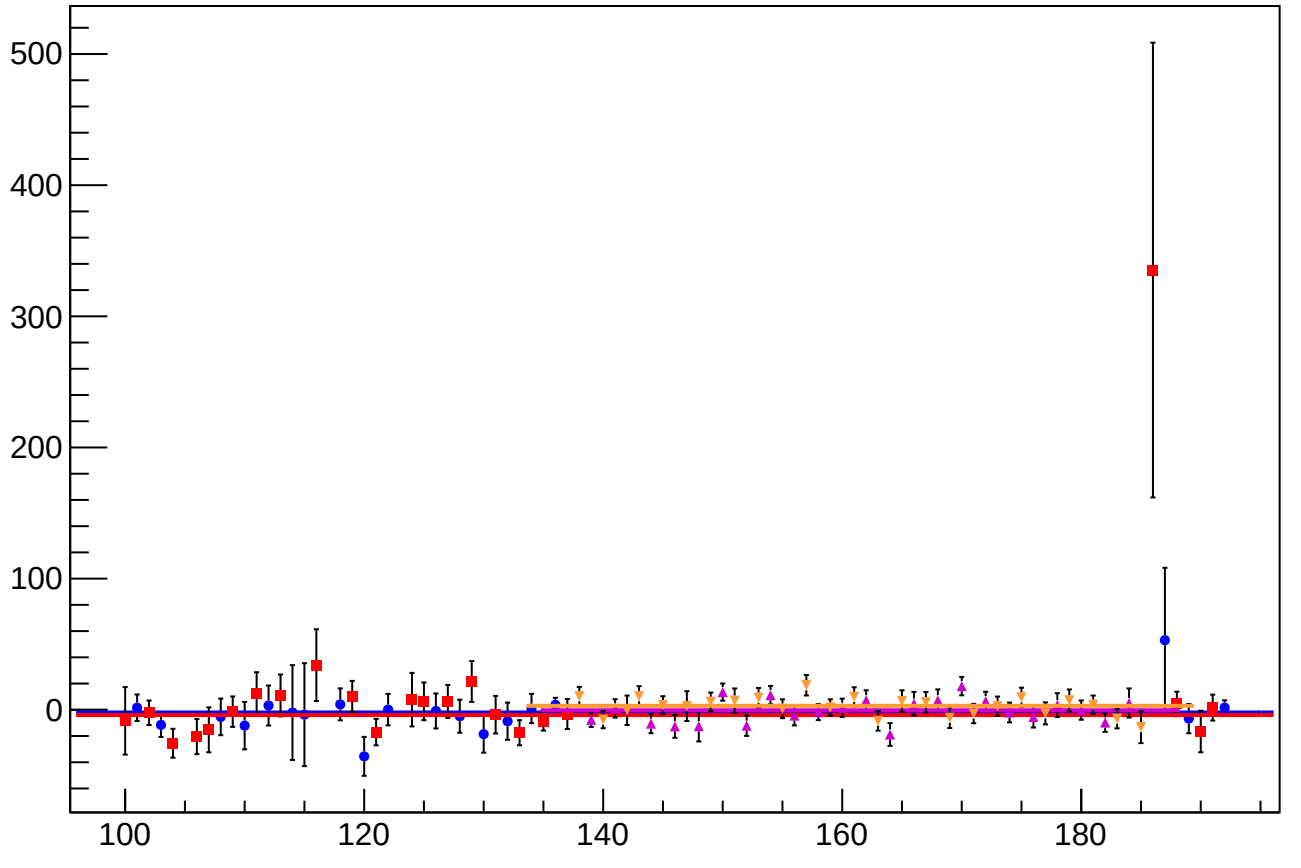
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 327.896+/-0.054 χ^2/NDF: 125548.6/41

In: 331.324+/-0.046 χ^2/NDF:1094766.6/41

Out: 332.206+/-0.045 χ^2/NDF:1306718.2/47

All: 331.775+/-0.032 χ^2/NDF: 2401672.2/89



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: -4.032+/-2.572 χ^2/NDF: 25.1/22

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

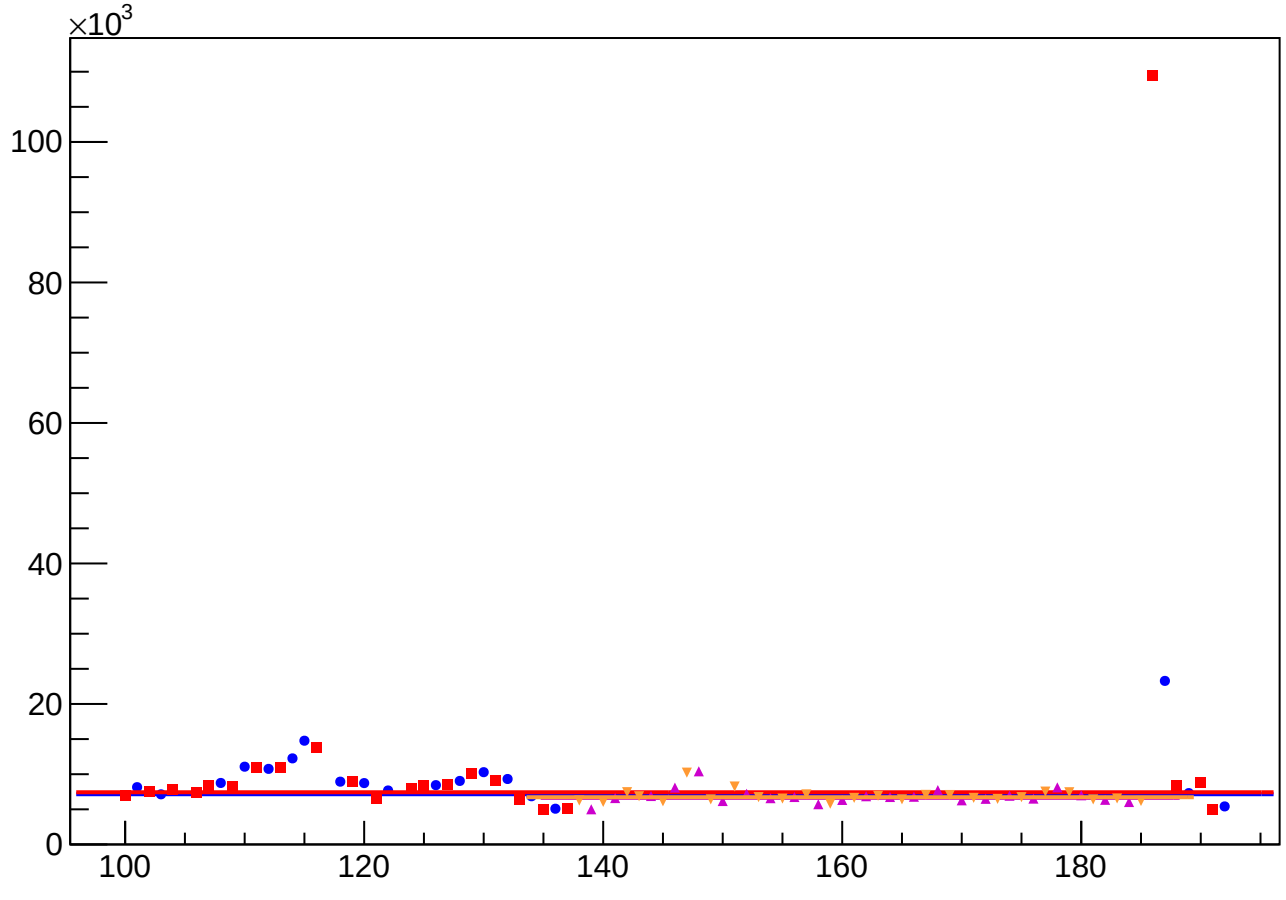
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -3.022+/-1.796 χ^2/NDF: 37.0/41

In: -0.832+/-1.330 χ^2/NDF:45.7/41

Out: 1.158+/-1.322 χ^2/NDF:51.0/47

All: 0.169+/-0.938 χ^2/NDF: 97.8/89



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: 7430.349+/-1.819 χ^2/NDF: 1679991.8/22

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

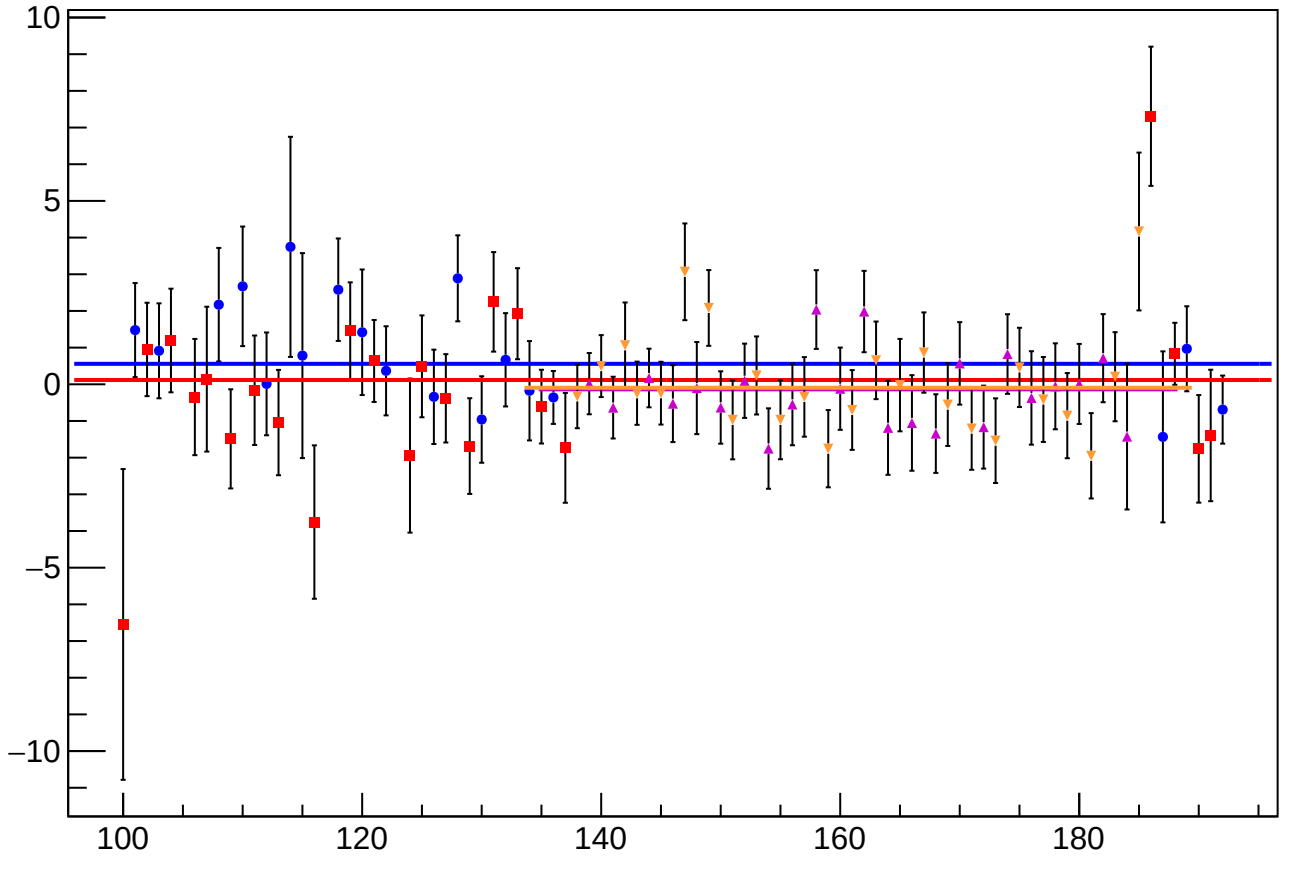
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 7287.506+/-1.270 χ^2/NDF: 2998480.1/41

In: 6778.534+/-0.940 χ^2/NDF:1997463.9/41

Out: 6909.938+/-0.935 χ^2/NDF:2194596.9/47

All: 6844.609+/-0.663 χ^2/NDF: 4201879.9/89



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: 0.117+/-0.288 χ^2/NDF: 37.5/22

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

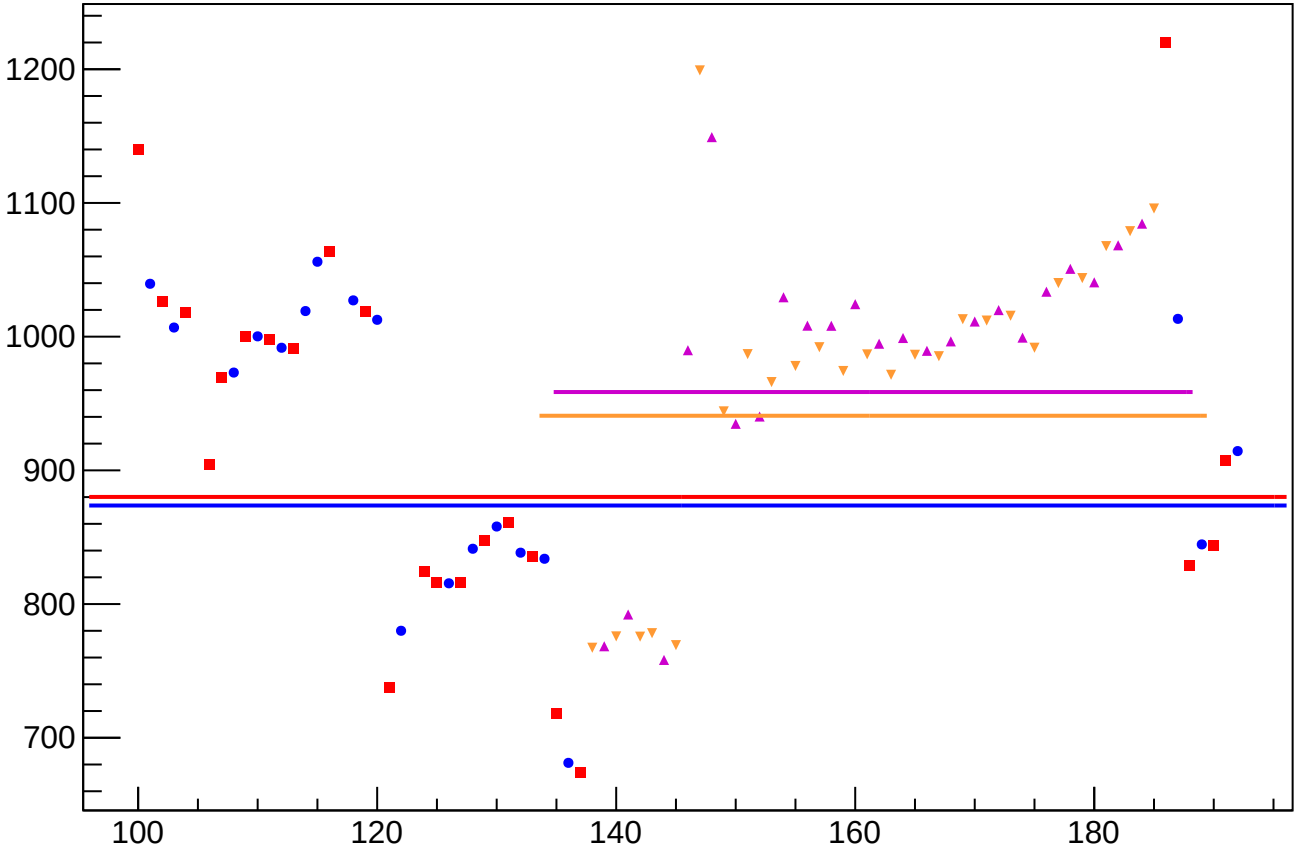
Right: 0.333+/-0.206 χ^2/NDF: 56.4/41

In: 0.119+/-0.179 χ^2/NDF:37.7/41

Out: -0.019+/-0.173 χ^2/NDF:65.2/47

All: 0.047+/-0.124 χ^2/NDF: 103.2/89

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: 880.122+/-0.204 χ^2/NDF: 345807.9/22

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

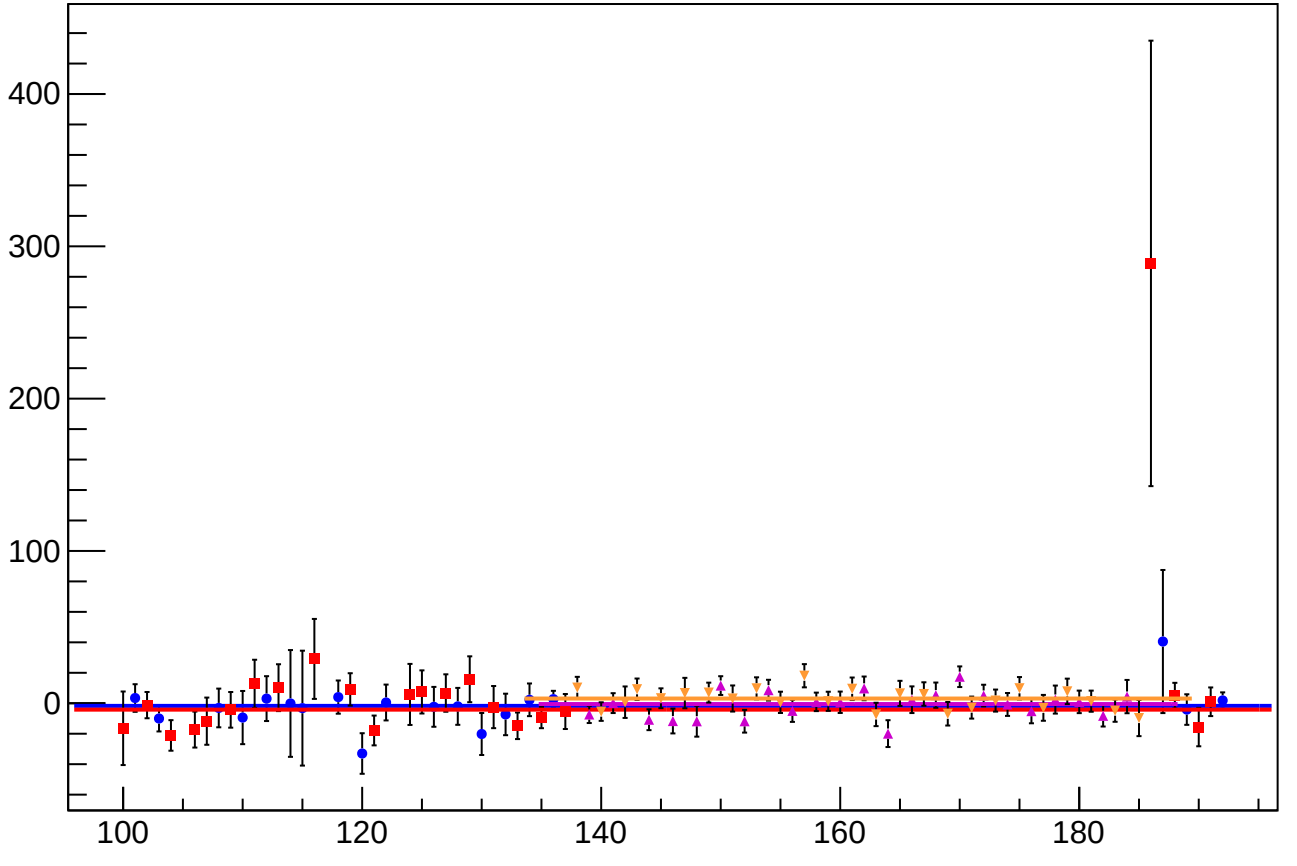
Right: 876.983+/-0.146 χ^2/NDF: 661541.8/41

In: 927.282+/-0.127 χ^2/NDF:876694.3/41

Out: 919.108+/-0.122 χ^2/NDF:971489.3/47

All: 923.045+/-0.088 χ^2/NDF: 1850344.4/89

diff_bpm_4aY_4eY_avg_mean vs Slug, Sign Corrected



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: -4.195+/-2.427 χ^2/NDF: 23.7/22

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

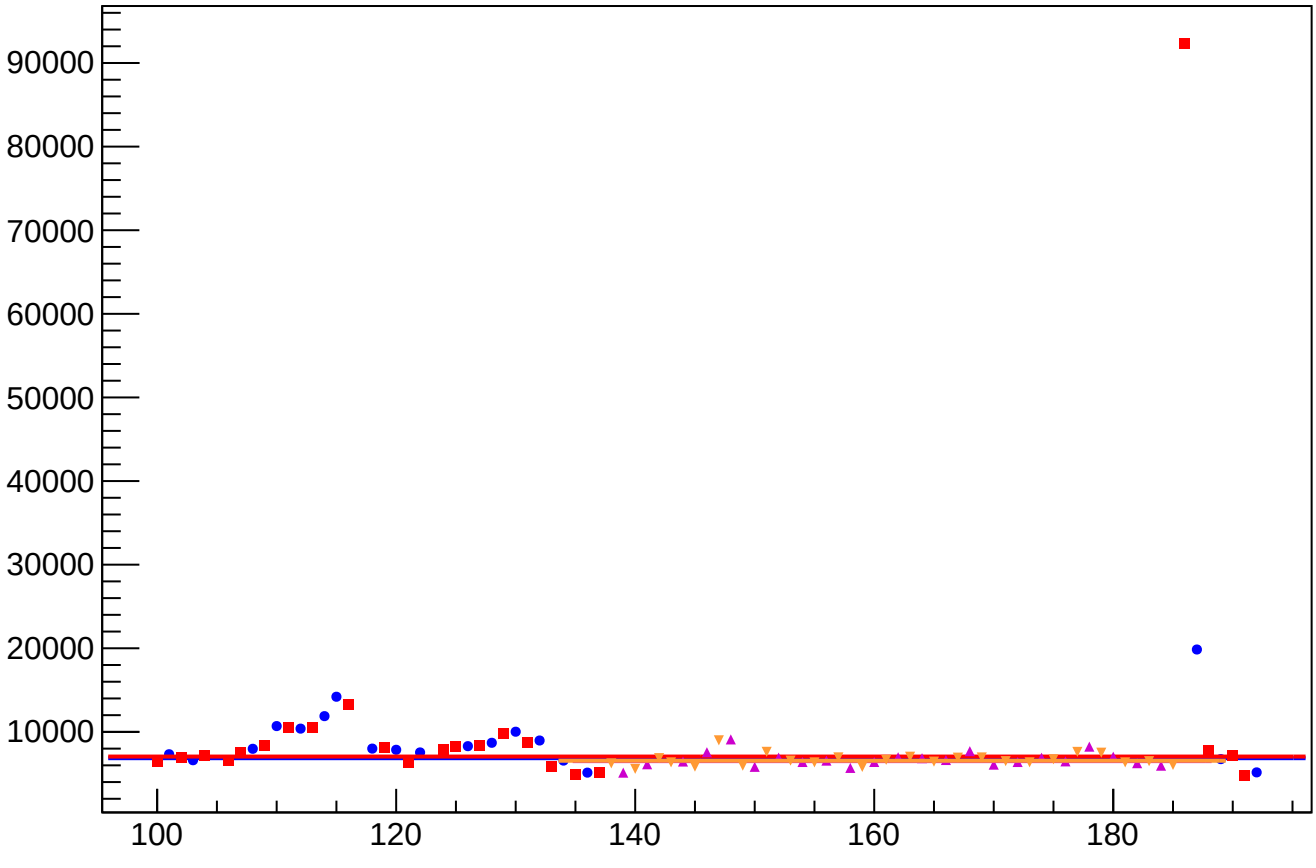
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -2.941+/-1.704 χ^2/NDF: 35.7/41

In: -0.870+/-1.292 χ^2/NDF:43.7/41

Out: 1.083+/-1.276 χ^2/NDF:48.8/47

All: 0.118+/-0.908 χ^2/NDF: 93.7/89



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: 7050.337+/-1.716 χ^2/NDF: 1607858.5/22

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

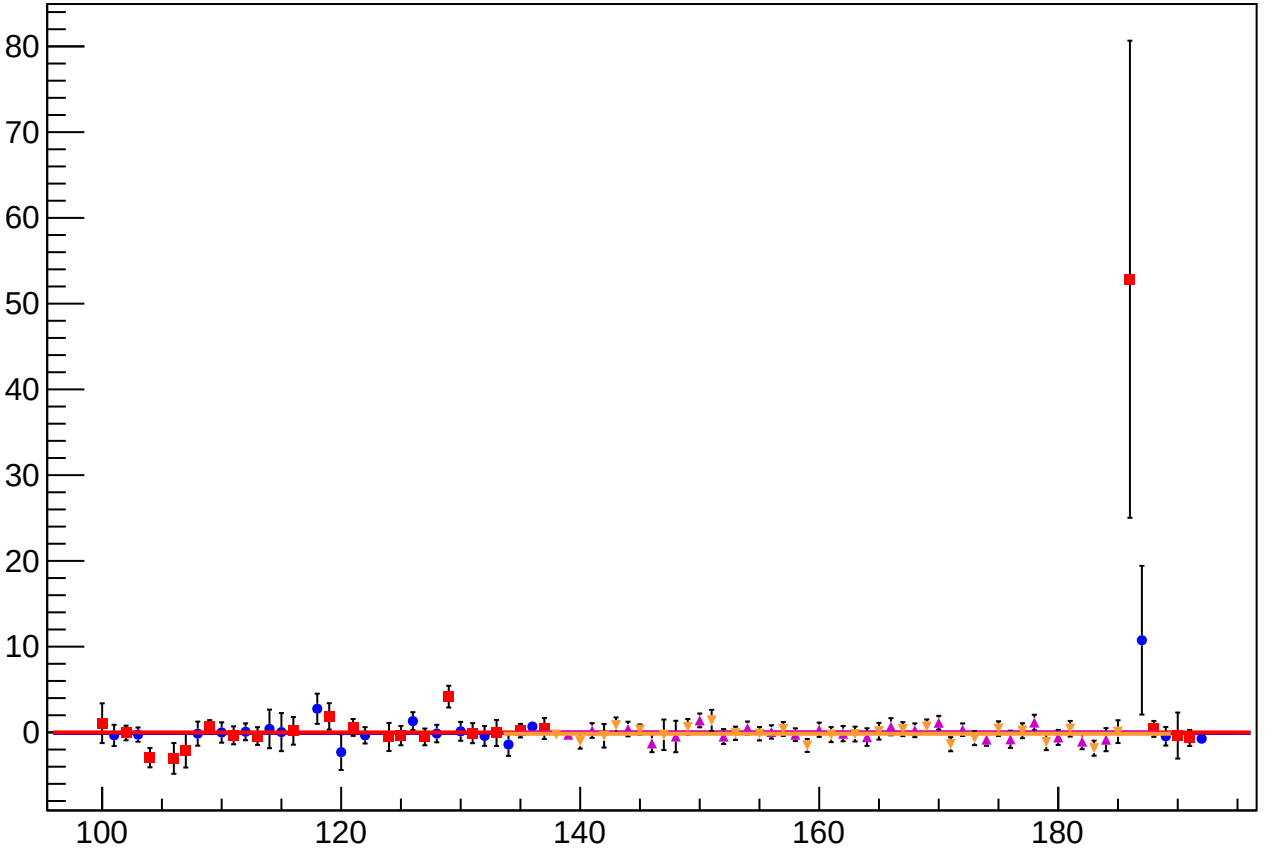
Right: 6951.224+/-1.205 χ^2/NDF: 2793404.4/41

In: 6607.131+/-0.913 χ^2/NDF:1724792.8/41

Out: 6687.521+/-0.902 χ^2/NDF:2035700.4/47

All: 6647.814+/-0.642 χ^2/NDF: 3764413.4/89

diff_bpm_4aY_4eY_dd_mean vs Slug, Sign Corrected



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: -0.004+/-0.243 χ^2/NDF: 29.5/22

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

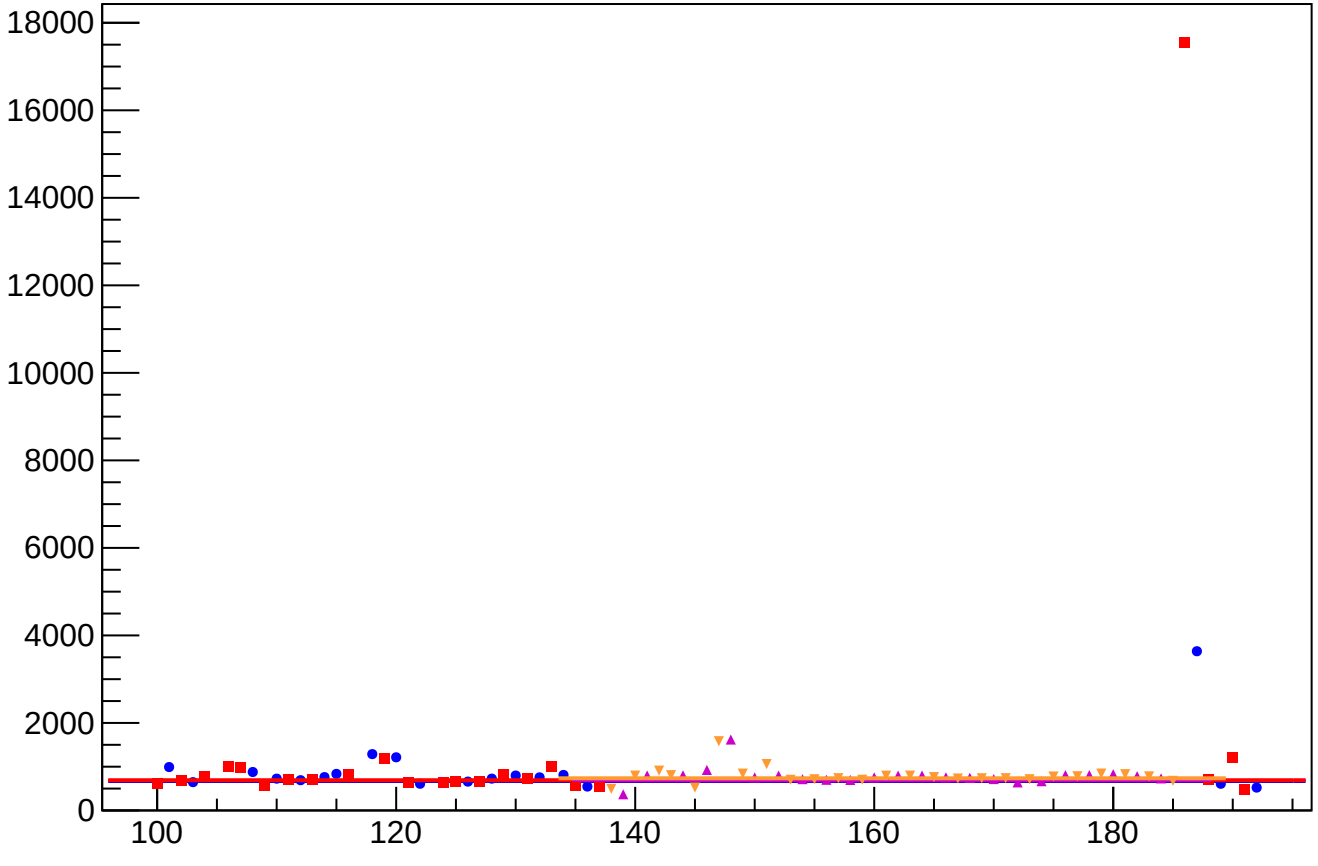
Right: -0.038+/-0.170 χ^2/NDF: 41.3/41

In: -0.035+/-0.138 χ^2/NDF:27.1/41

Out: -0.109+/-0.141 χ^2/NDF:48.7/47

All: -0.072+/-0.098 χ^2/NDF: 75.9/89

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: 690.599+/-0.172 χ^2/NDF: 1497340.0/22

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

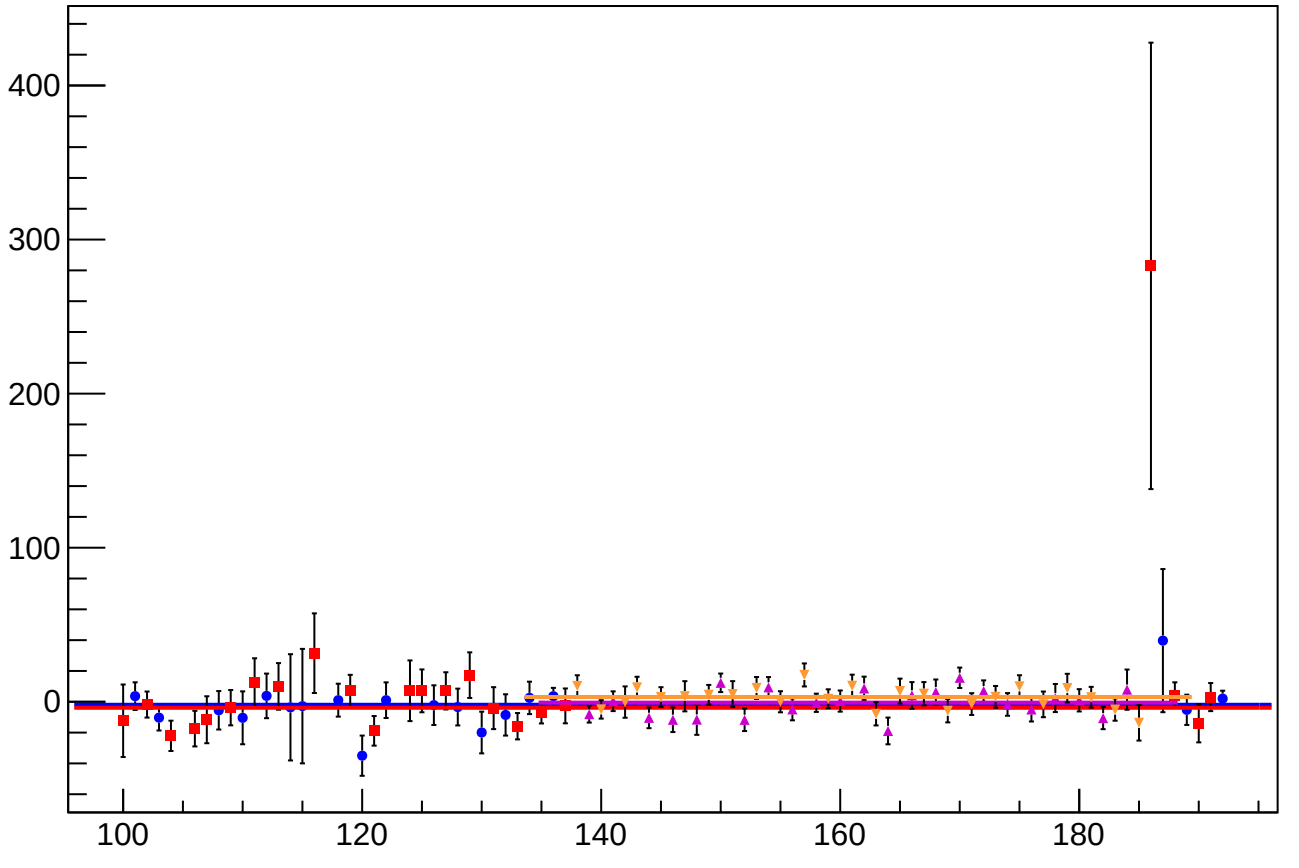
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 681.494+/-0.120 χ^2/NDF: 2647160.6/41

In: 686.970+/-0.097 χ^2/NDF:3380157.6/41

Out: 720.187+/-0.099 χ^2/NDF:2881426.3/47

All: 703.233+/-0.070 χ^2/NDF: 6318617.2/89



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: -3.882+/-2.388 χ^2/NDF: 24.8/22

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

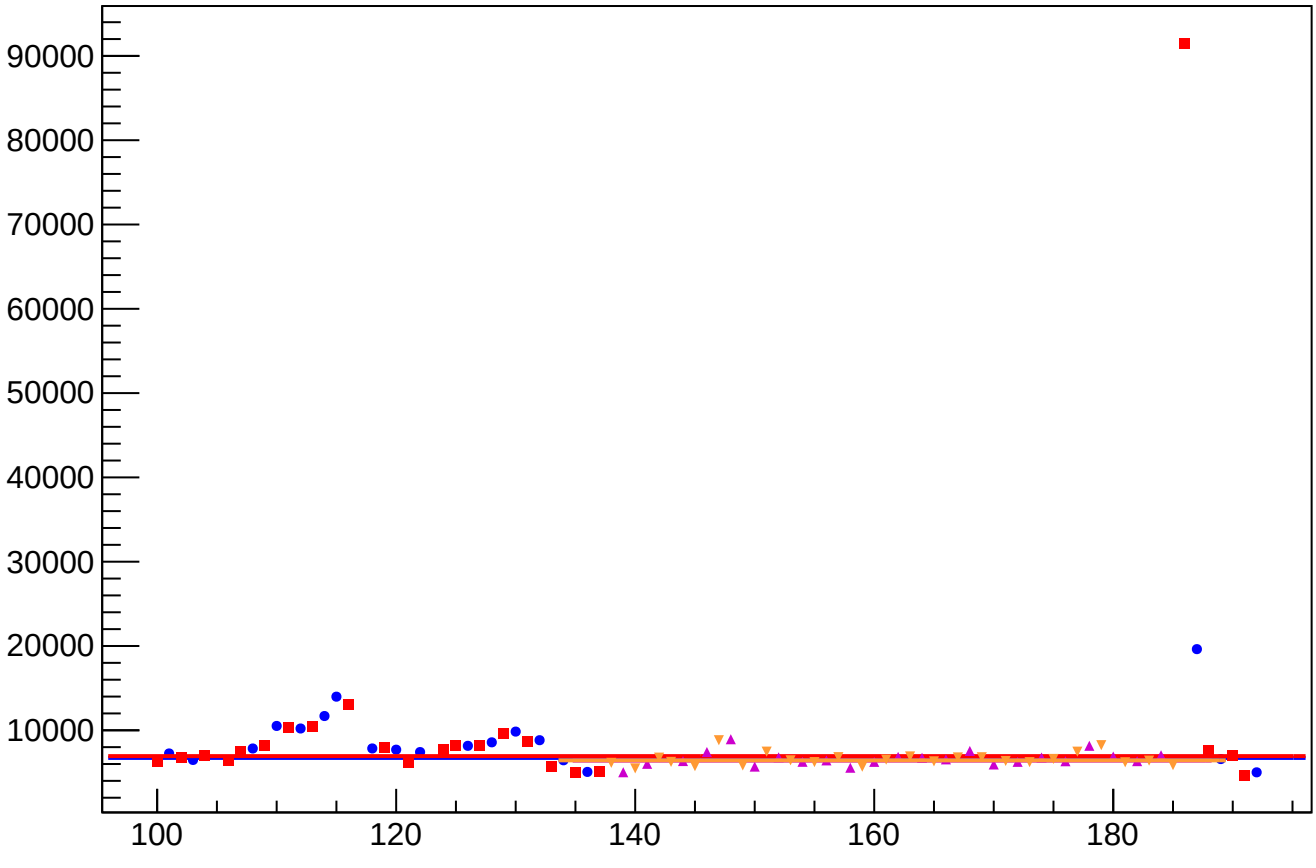
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -2.896+/-1.675 χ^2/NDF: 38.4/41

In: -0.958+/-1.272 χ^2/NDF:47.1/41

Out: 1.178+/-1.256 χ^2/NDF:49.7/47

All: 0.123+/-0.893 χ^2/NDF: 98.2/89



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: 6935.143+/-1.689 χ^2/NDF: 1593121.2/22

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

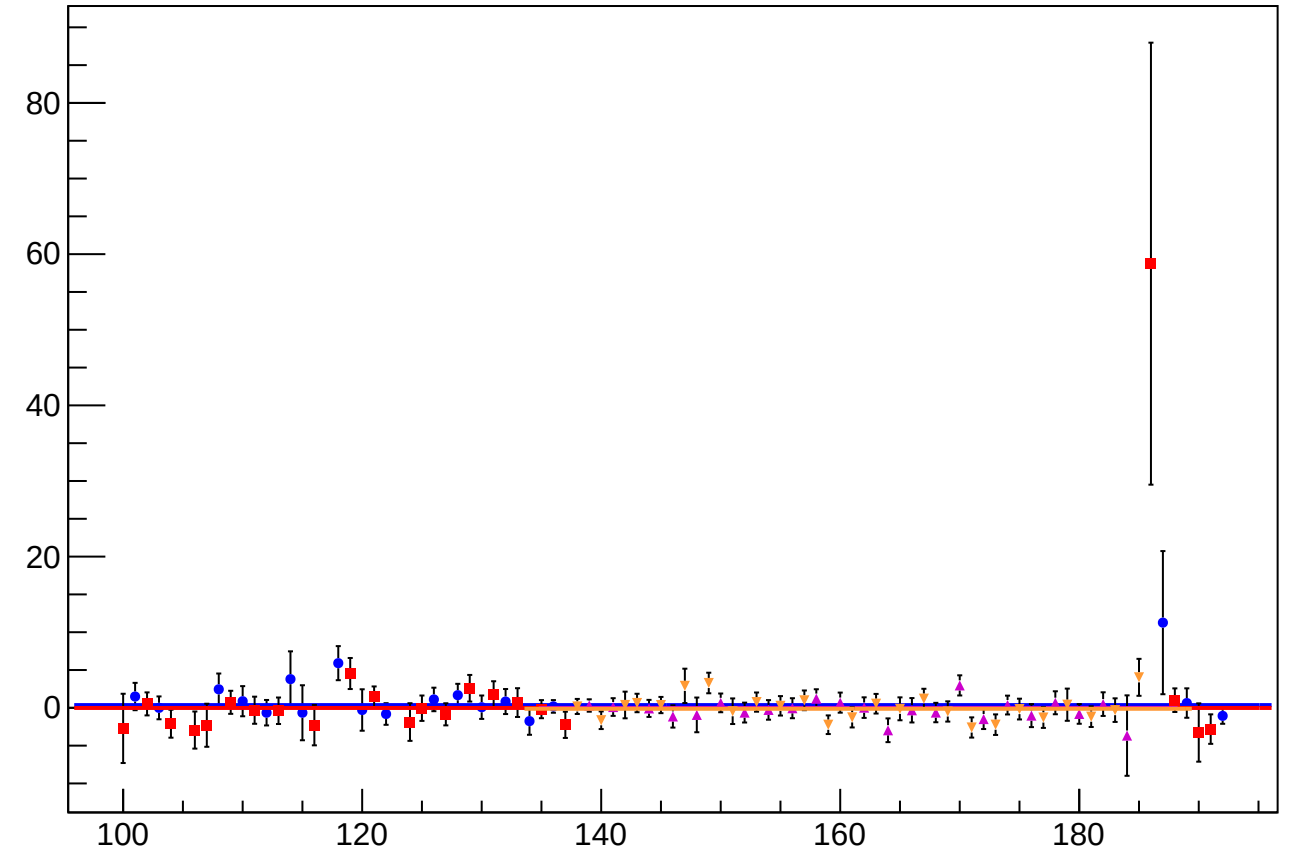
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 6828.013+/-1.184 χ^2/NDF: 2794376.5/41

In: 6498.808+/-0.899 χ^2/NDF:1744536.6/41

Out: 6573.522+/-0.888 χ^2/NDF:2073809.3/47

All: 6536.633+/-0.632 χ^2/NDF: 3821841.8/89



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: -0.018+/-0.386 χ^2/NDF: 24.1/22

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

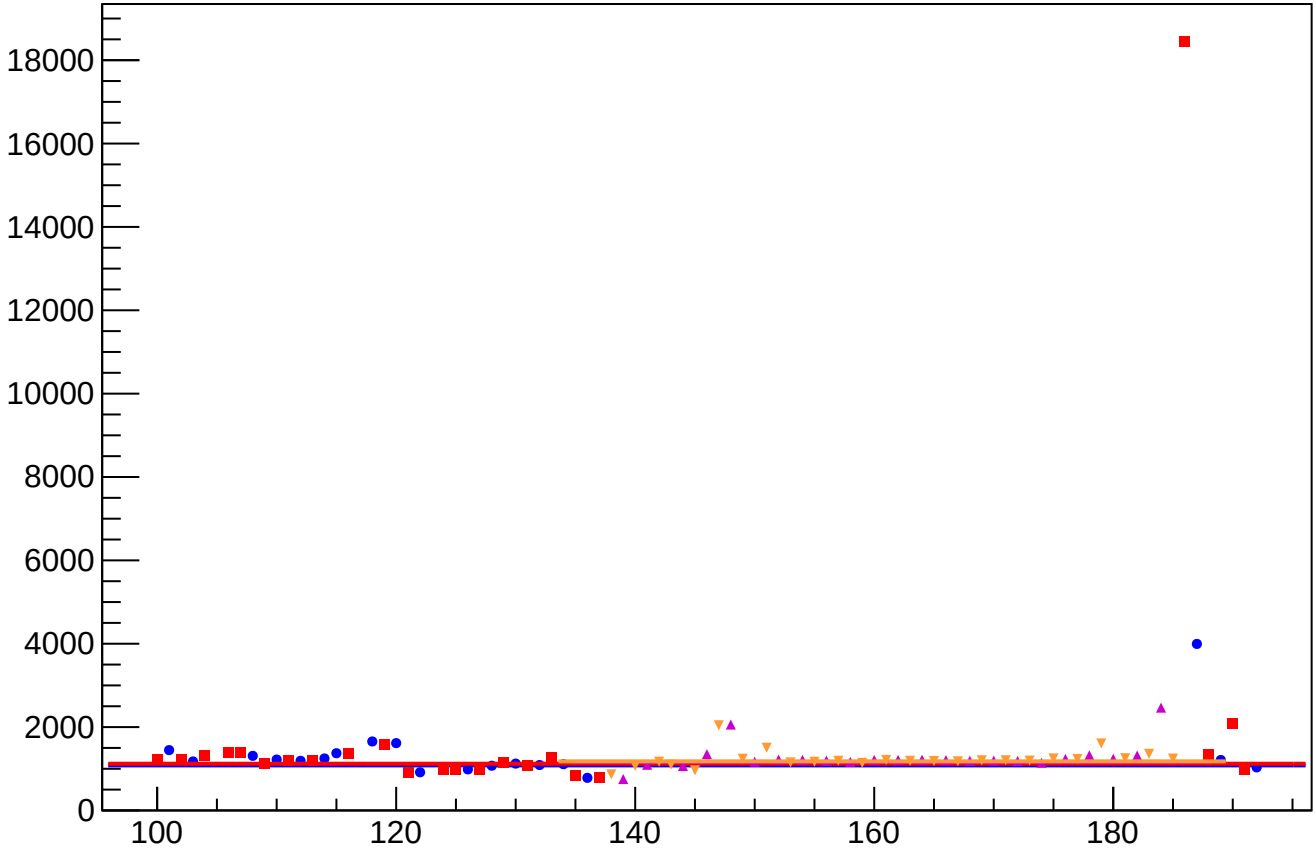
Right: 0.177+/-0.269 χ^2/NDF: 40.0/41

In: 0.110+/-0.224 χ^2/NDF:30.5/41

Out: -0.087+/-0.223 χ^2/NDF:51.2/47

All: 0.011+/-0.158 χ^2/NDF: 82.0/89

diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected



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: 1121.193+/-0.273 χ^2/NDF: 1369303.8/22

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

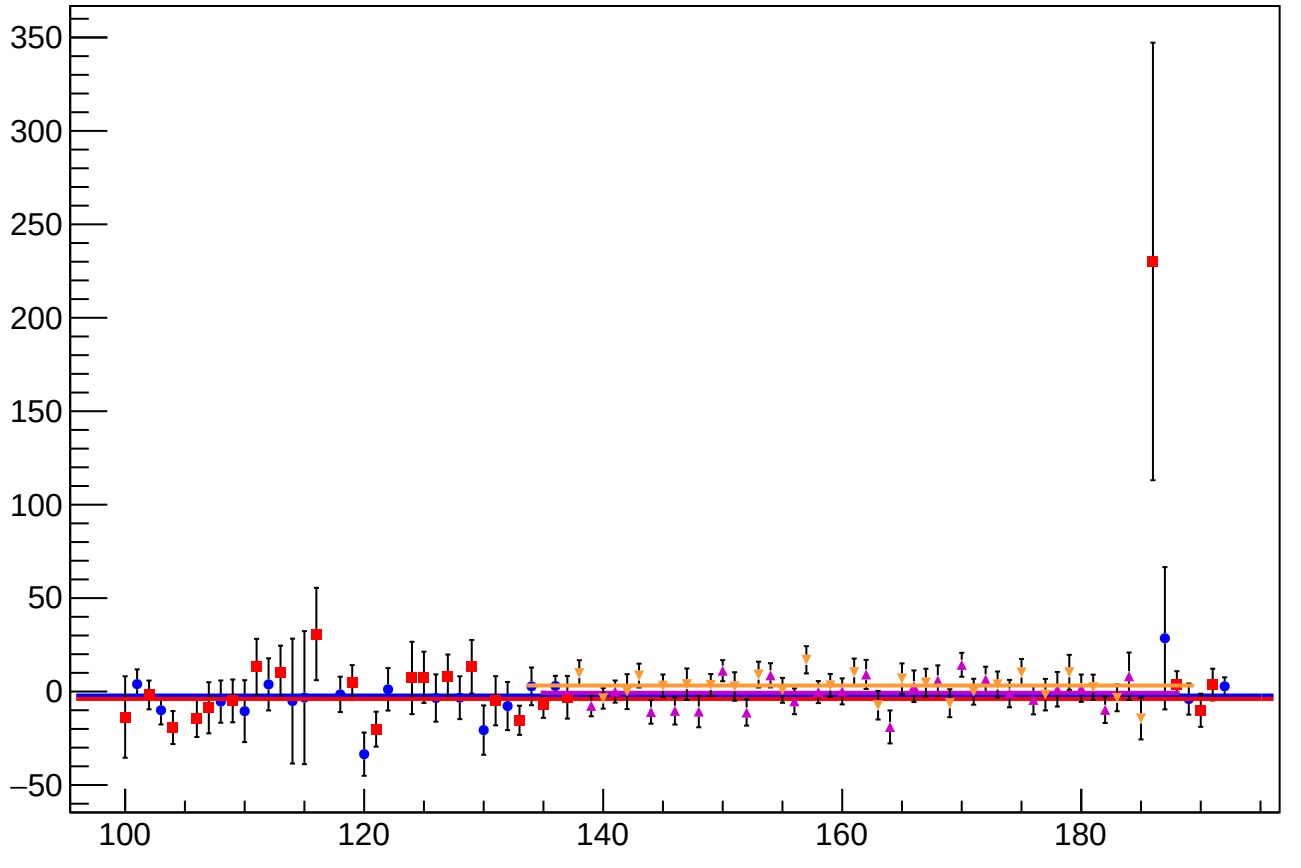
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 1100.642+/-0.190 χ^2/NDF: 2229503.0/41

In: 1134.453+/-0.158 χ^2/NDF:1963901.5/41

Out: 1158.830+/-0.158 χ^2/NDF:2198823.5/47

All: 1146.676+/-0.112 χ^2/NDF: 4174638.1/89



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: -3.960+/-2.210 χ^2/NDF: 24.8/22

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

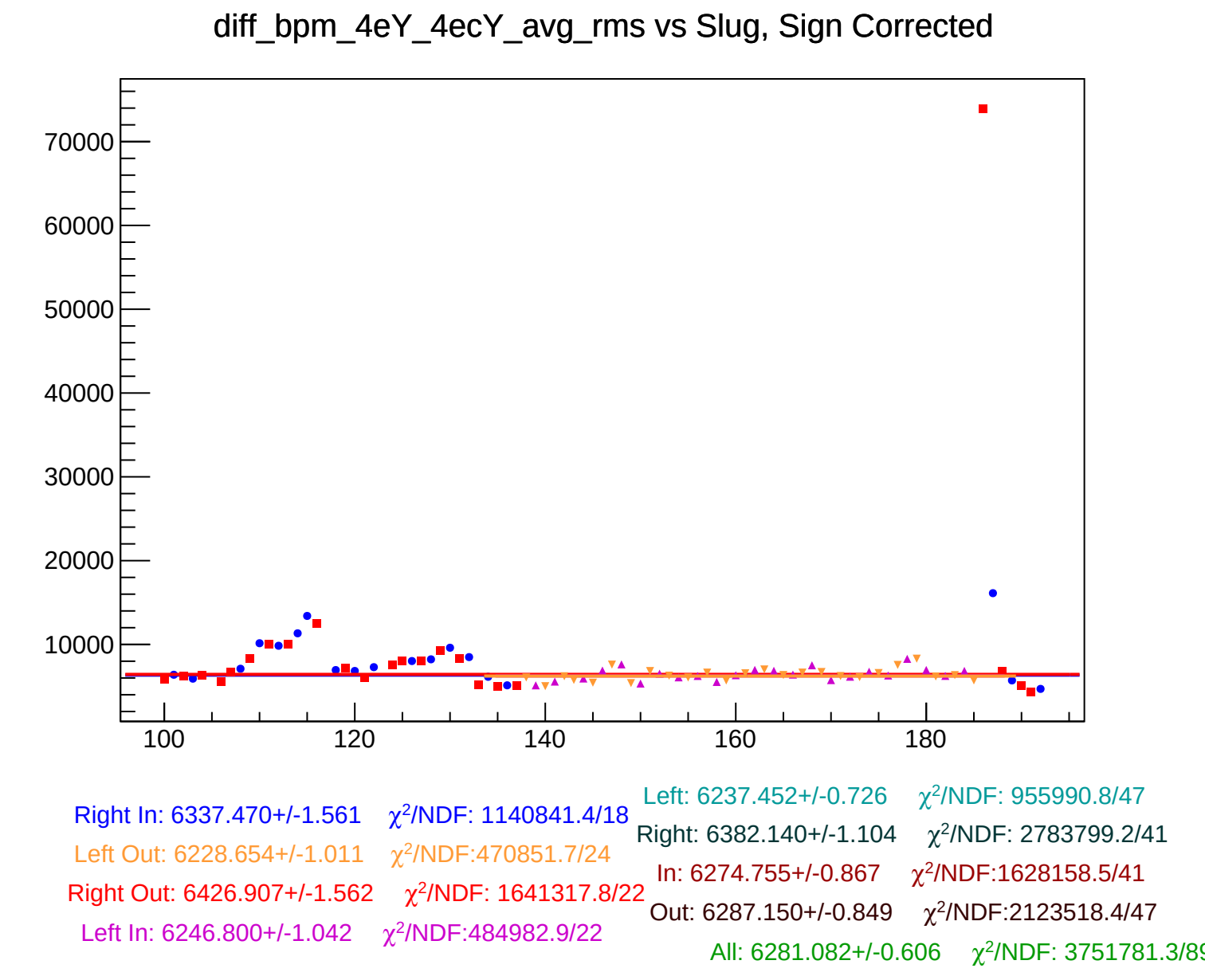
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

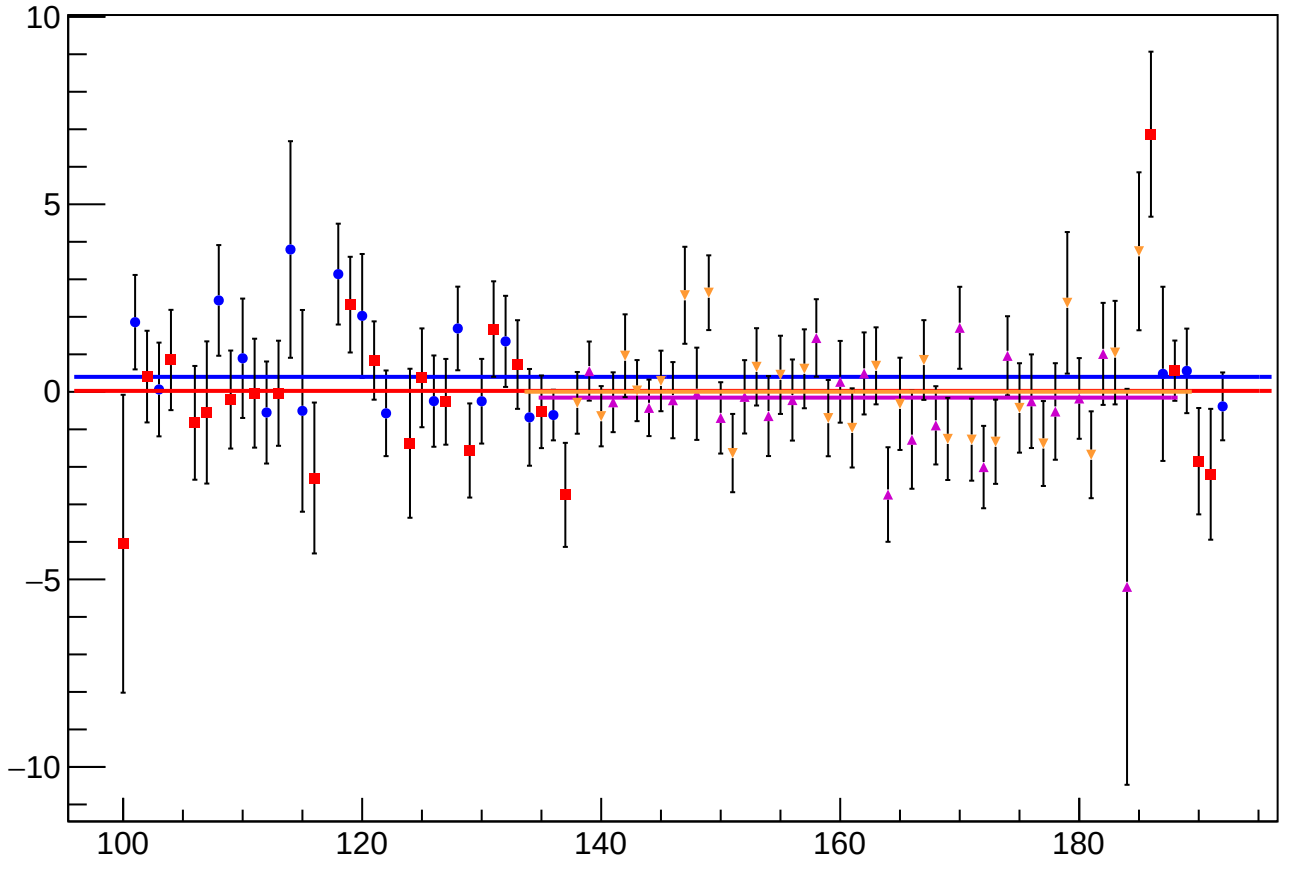
Right: -3.041+/-1.562 χ^2/NDF: 39.8/41

In: -1.116+/-1.226 χ^2/NDF:47.3/41

Out: 1.111+/-1.200 χ^2/NDF:50.2/47

All: 0.021+/-0.858 χ^2/NDF: 99.2/89


diff_bpm_4eY_4ecY_avg_rms vs Slug, Sign Corrected
70000
60000
50000
40000
30000
20000
10000
100
120
140
160
180
Right In: 6337.470+/-1.561 χ²/NDF: 1140841.4/18
Left Out: 6228.654+/-1.011 χ²/NDF:470851.7/24
Right Out: 6426.907+/-1.562 χ²/NDF: 1641317.8/22
Left In: 6246.800+/-1.042 χ²/NDF:484982.9/22
Left: 6237.452+/-0.726 χ²/NDF: 955990.8/47
Right: 6382.140+/-1.104 χ²/NDF: 2783799.2/41
In: 6274.755+/-0.867 χ²/NDF:1628158.5/41
Out: 6287.150+/-0.849 χ²/NDF:2123518.4/47
All: 6281.082+/-0.606 χ²/NDF: 3751781.3/89



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: 0.025+/-0.276 χ^2/NDF: 29.2/22

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

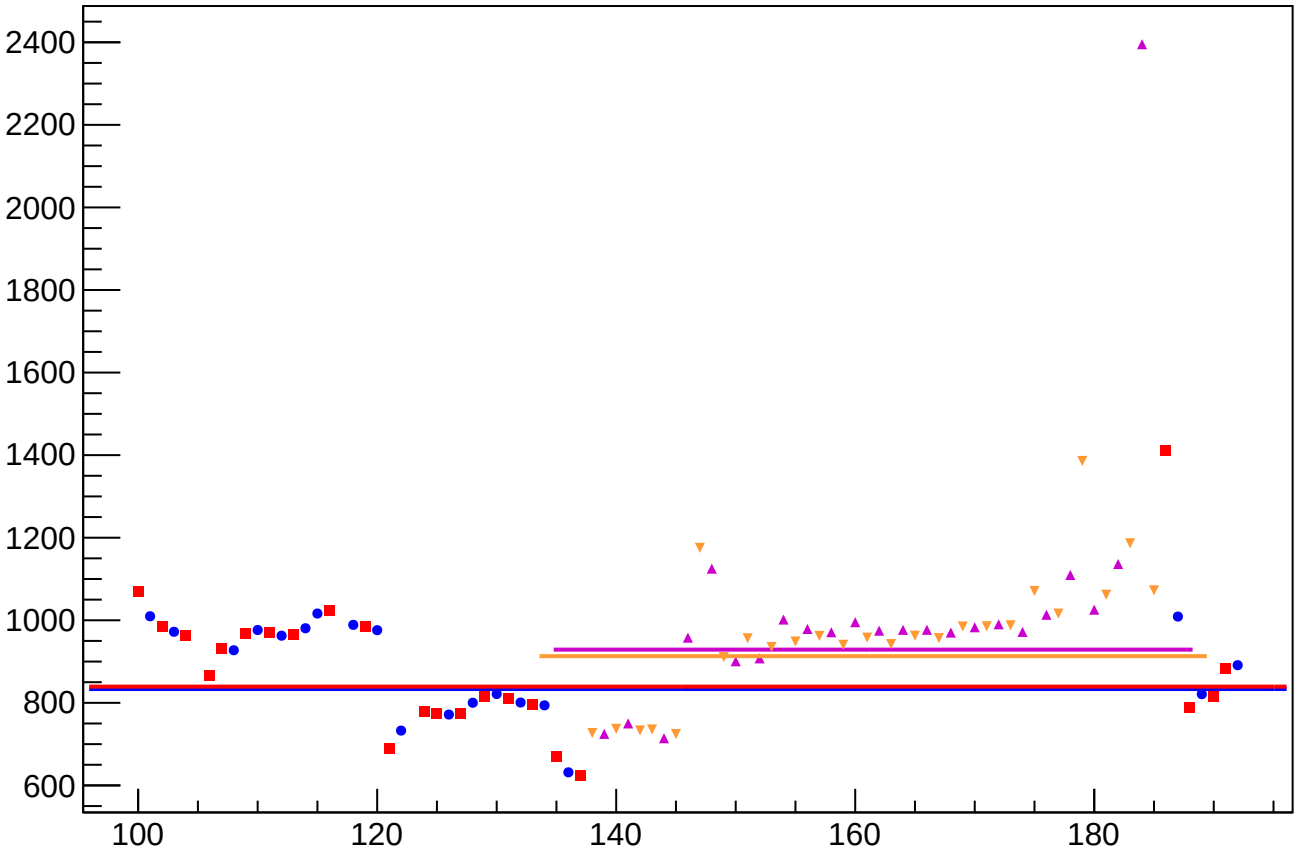
Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

Right: 0.209+/-0.198 χ^2/NDF: 47.7/41

In: 0.056+/-0.174 χ^2/NDF:38.4/41

Out: 0.011+/-0.168 χ^2/NDF:60.9/47

All: 0.033+/-0.121 χ^2/NDF: 99.3/89



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: 839.331+/-0.195 χ^2/NDF: 465014.8/22

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

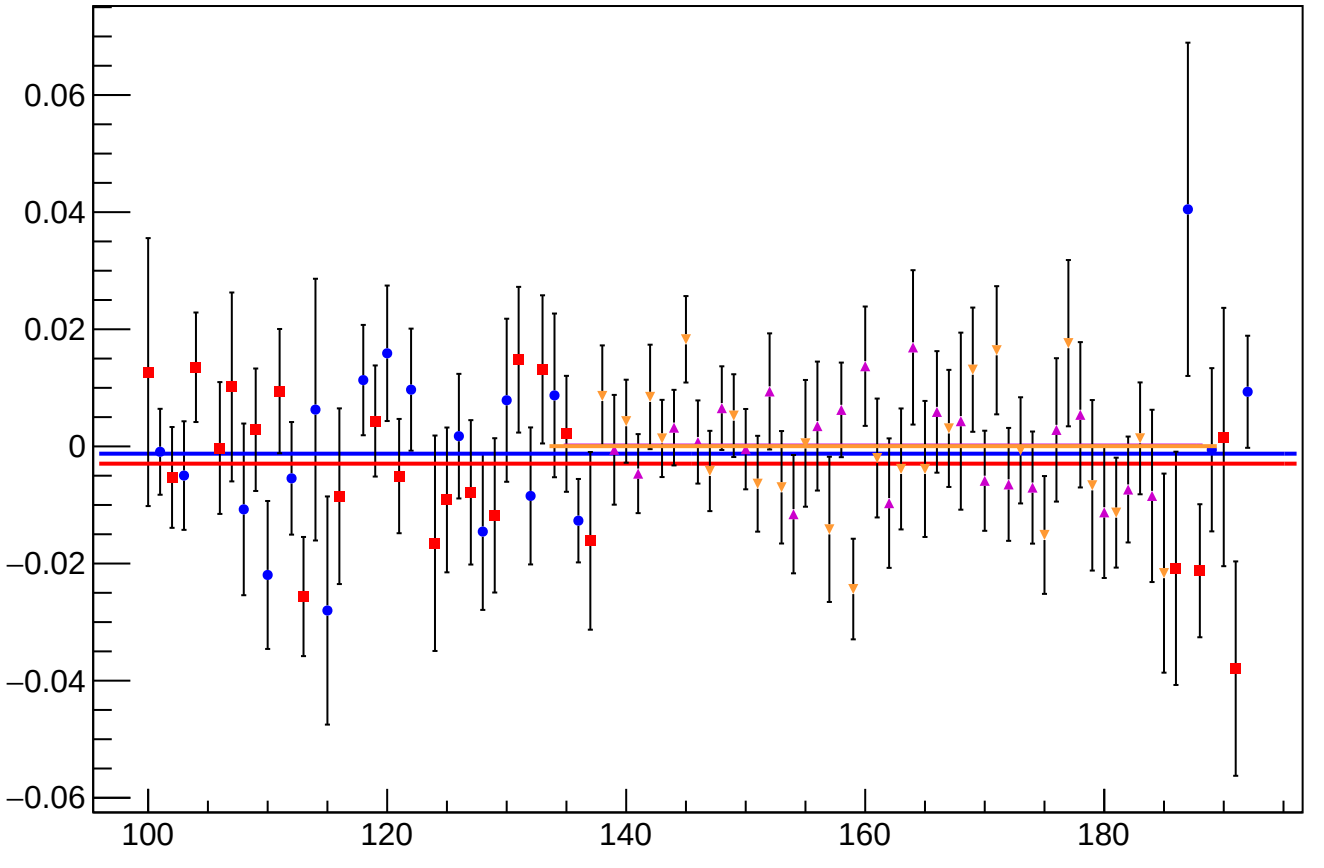
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 836.453+/-0.140 χ^2/NDF: 852441.8/41

In: 892.626+/-0.123 χ^2/NDF:1297809.6/41

Out: 885.774+/-0.119 χ^2/NDF:1443850.3/47

All: 889.082+/-0.086 χ^2/NDF: 2743262.7/89



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+/-0.003 χ^2/NDF: 24.9/22

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

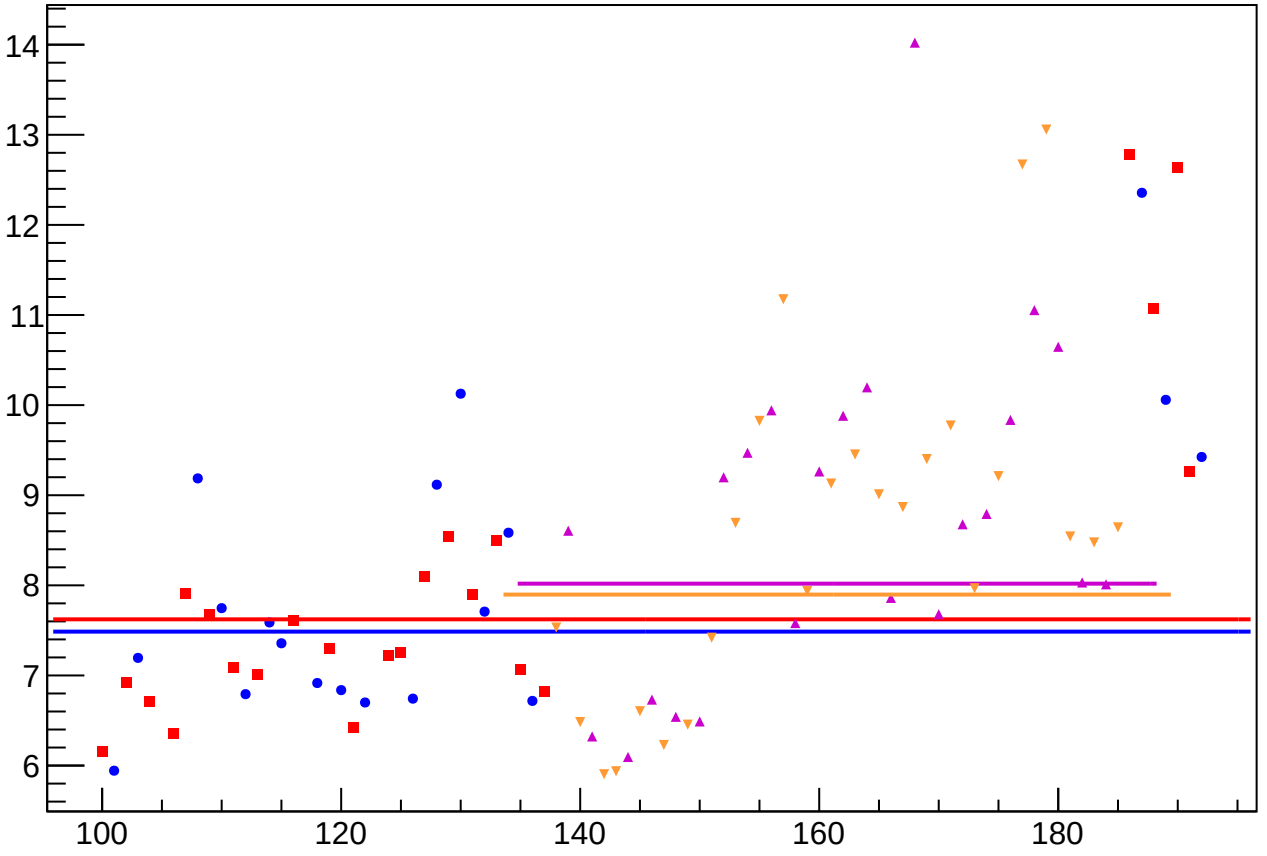
Right: -0.002+/-0.002 χ^2/NDF: 44.1/41

In: -0.000+/-0.002 χ^2/NDF:31.9/41

Out: -0.001+/-0.001 χ^2/NDF:57.0/47

All: -0.001+/-0.001 χ^2/NDF: 88.9/89

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: 7.623+/-0.002 χ^2/NDF: 586741.9/22

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

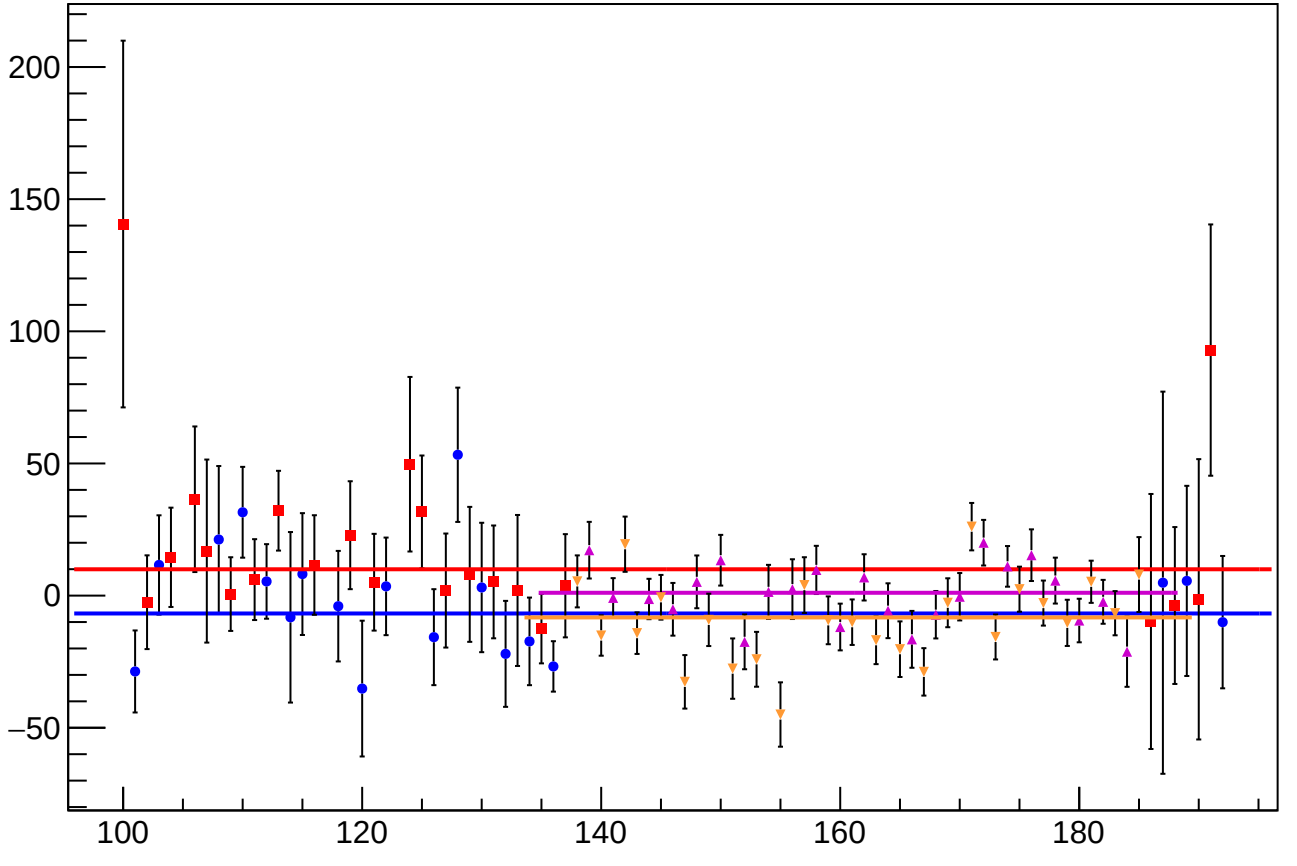
Right: 7.555+/-0.001 χ^2/NDF: 1099995.5/41

In: 7.827+/-0.001 χ^2/NDF:2021729.9/41

Out: 7.802+/-0.001 χ^2/NDF:2193044.2/47

All: 7.814+/-0.001 χ^2/NDF: 4215043.3/89

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: 9.966+/-4.412 χ^2/NDF: 17.5/22

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

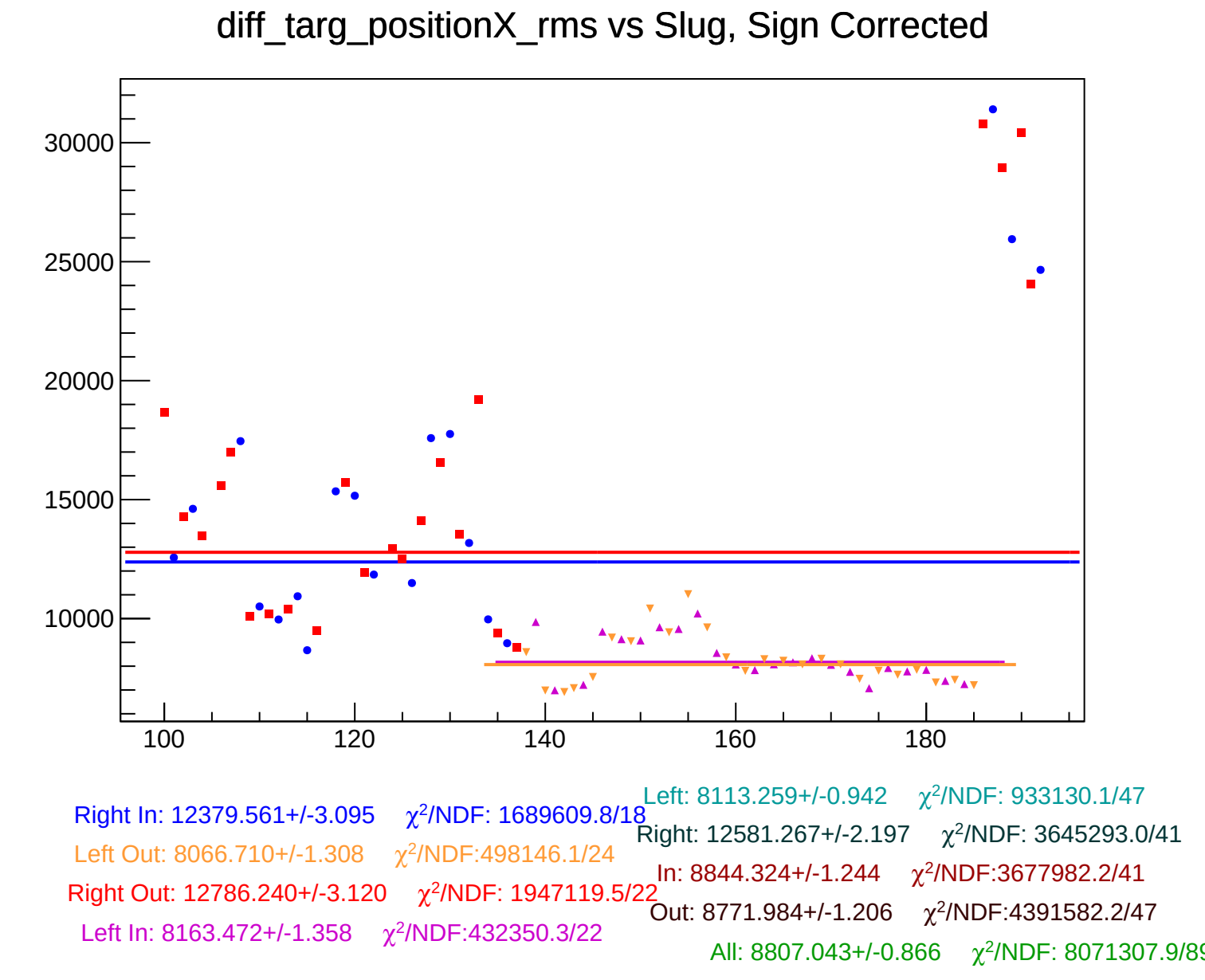
Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

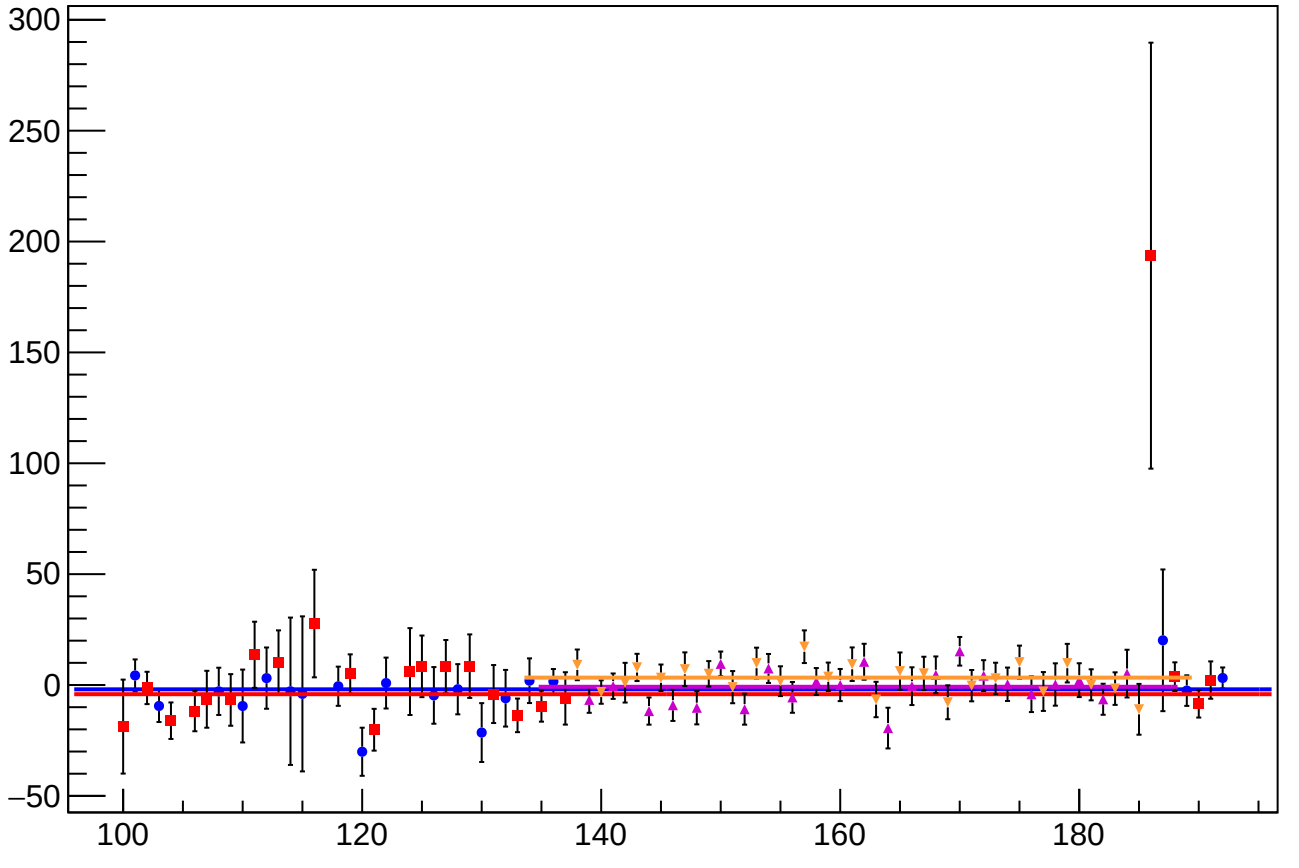
Right: 1.536+/-3.107 χ^2/NDF: 47.9/41

In: -0.193+/-1.759 χ^2/NDF:54.7/41

Out: -5.533+/-1.706 χ^2/NDF:94.1/47

All: -2.945+/-1.224 χ^2/NDF: 153.6/89


diff_targ_positionX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 12379.561+/-3.095 χ²/NDF: 1689609.8/18
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 12786.240+/-3.120 χ²/NDF: 1947119.5/22
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
Left: 8113.259+/-0.942 χ²/NDF: 933130.1/47
Right: 12581.267+/-2.197 χ²/NDF: 3645293.0/41
In: 8844.324+/-1.244 χ²/NDF:3677982.2/41
Out: 8771.984+/-1.206 χ²/NDF:4391582.2/47
All: 8807.043+/-0.866 χ²/NDF: 8071307.9/89



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: -4.140+/-2.079 χ^2/NDF: 23.6/22

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

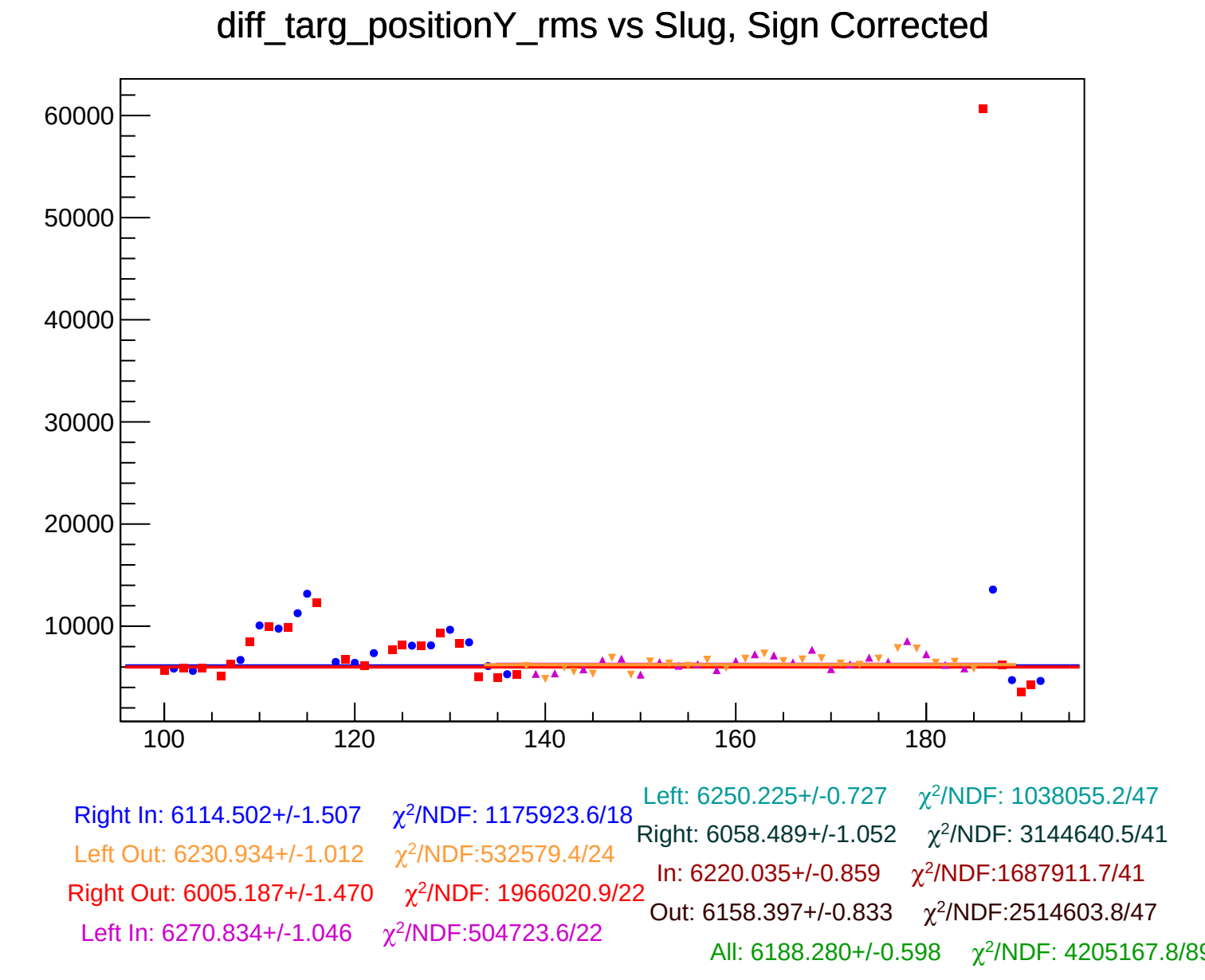
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

Right: -3.071+/-1.488 χ^2/NDF: 37.7/41

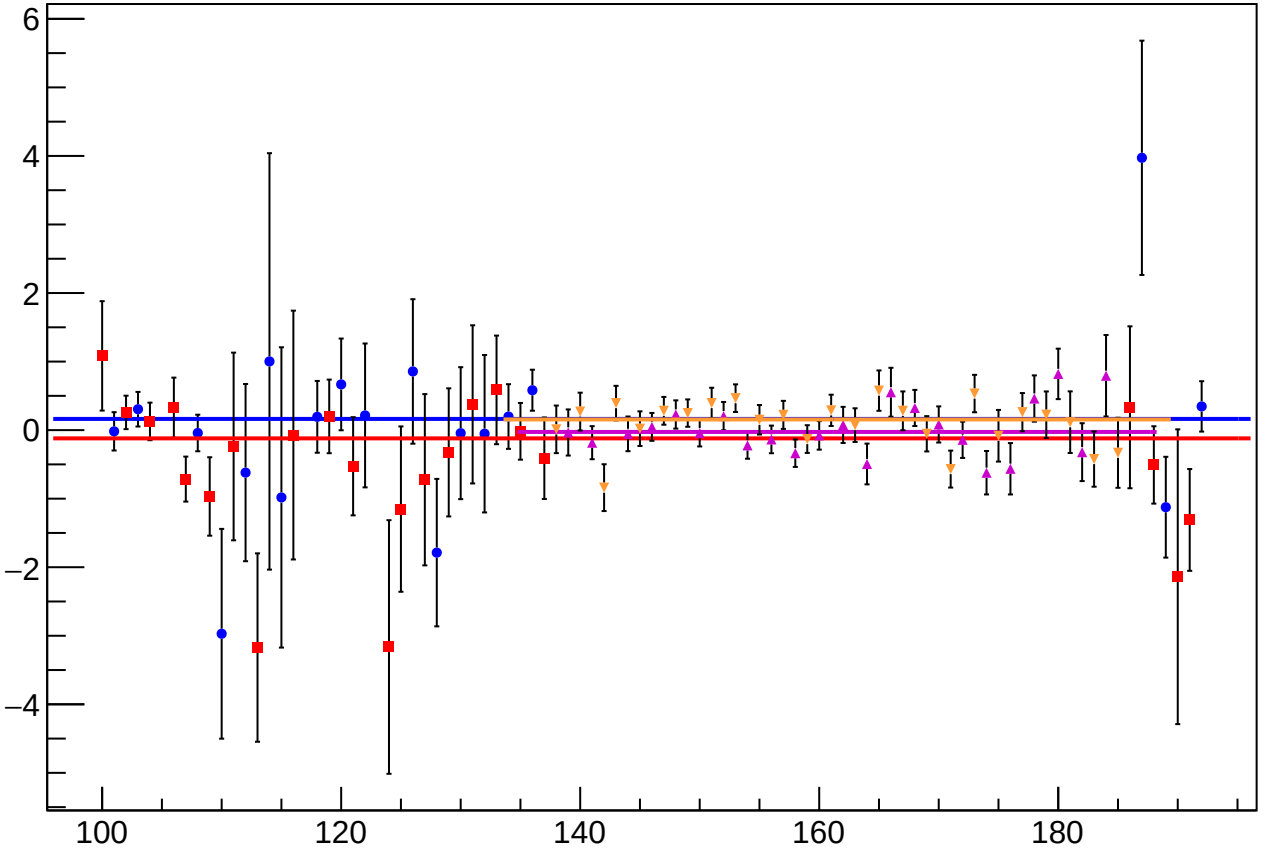
In: -1.171+/-1.215 χ^2/NDF:43.1/41

Out: 0.930+/-1.179 χ^2/NDF:49.3/47

All: -0.089+/-0.846 χ^2/NDF: 94.0/89


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: 6005.187+/-1.470 χ²/NDF: 1966020.9/22
Left In: 6270.834+/-1.046 χ²/NDF:504723.6/22
Left: 6250.225+/-0.727 χ²/NDF: 1038055.2/47
Right: 6058.489+/-1.052 χ²/NDF: 3144640.5/41
In: 6220.035+/-0.859 χ²/NDF:1687911.7/41
Out: 6158.397+/-0.833 χ²/NDF:2514603.8/47
All: 6188.280+/-0.598 χ²/NDF: 4205167.8/89

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.164+/-0.112 χ^2/NDF: 20.9/18

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: -0.120+/-0.115 χ^2/NDF: 26.7/22

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

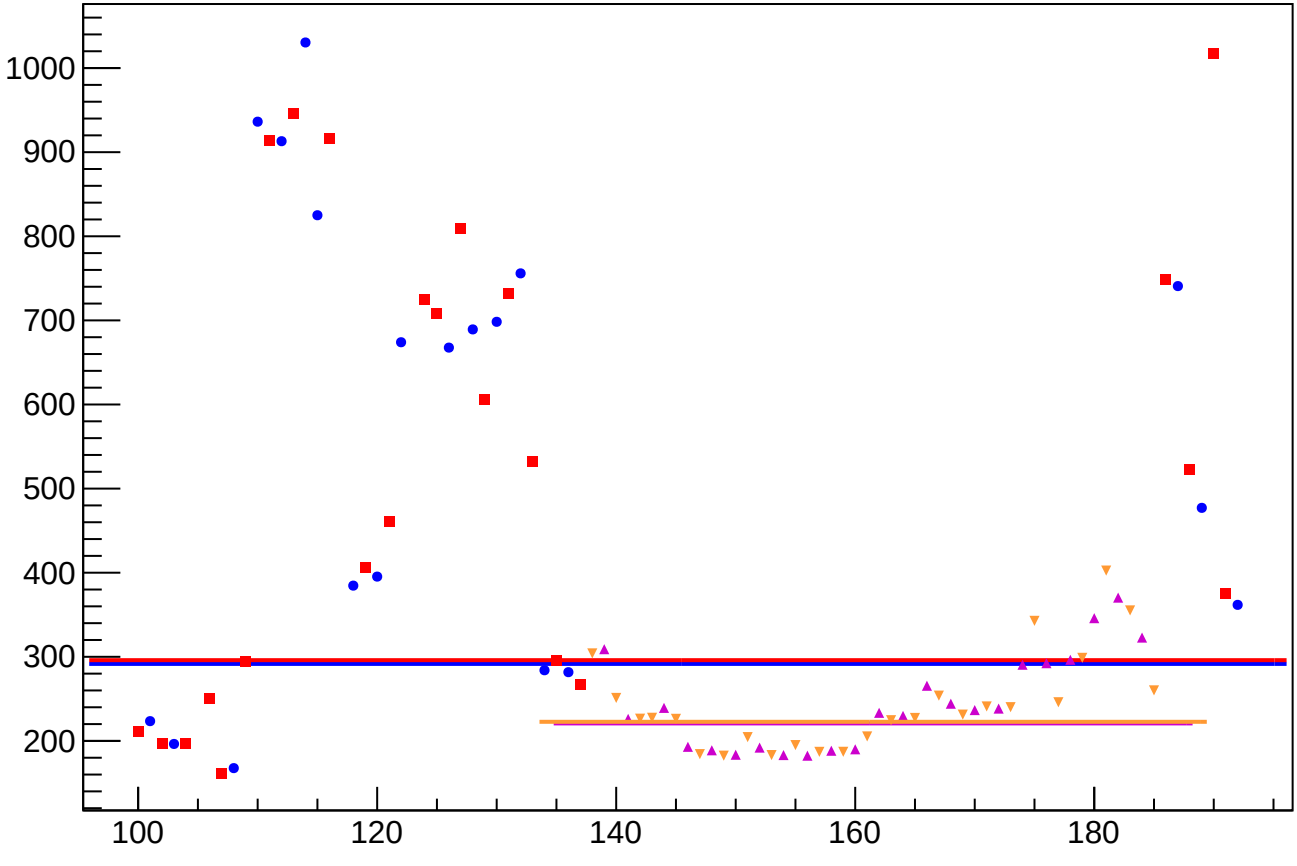
Right: 0.025+/-0.080 χ^2/NDF: 50.7/41

In: 0.008+/-0.048 χ^2/NDF:53.0/41

Out: 0.109+/-0.047 χ^2/NDF:63.8/47

All: 0.059+/-0.034 χ^2/NDF: 119.0/89

diff_targ_thetaX_rms vs Slug, Sign Corrected



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: 296.008+/-0.081 χ^2/NDF: 4486494.9/22

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

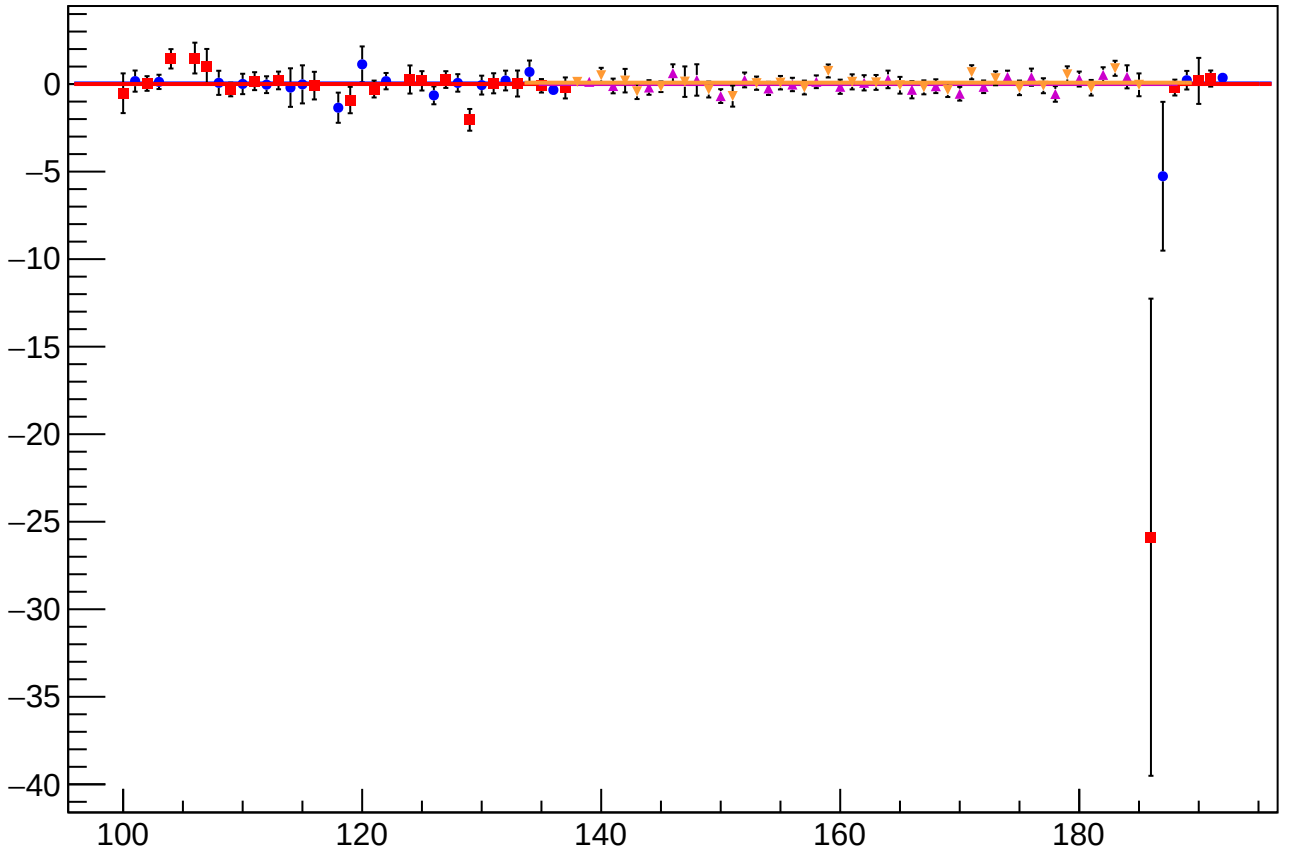
Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

Right: 293.731+/-0.057 χ^2/NDF: 8306783.5/41

In: 233.712+/-0.034 χ^2/NDF:5941452.6/41

Out: 235.140+/-0.033 χ^2/NDF:6613004.0/47

All: 234.435+/-0.024 χ^2/NDF: 12555356.9/89



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: 0.002+/-0.119 χ^2/NDF: 29.5/22

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

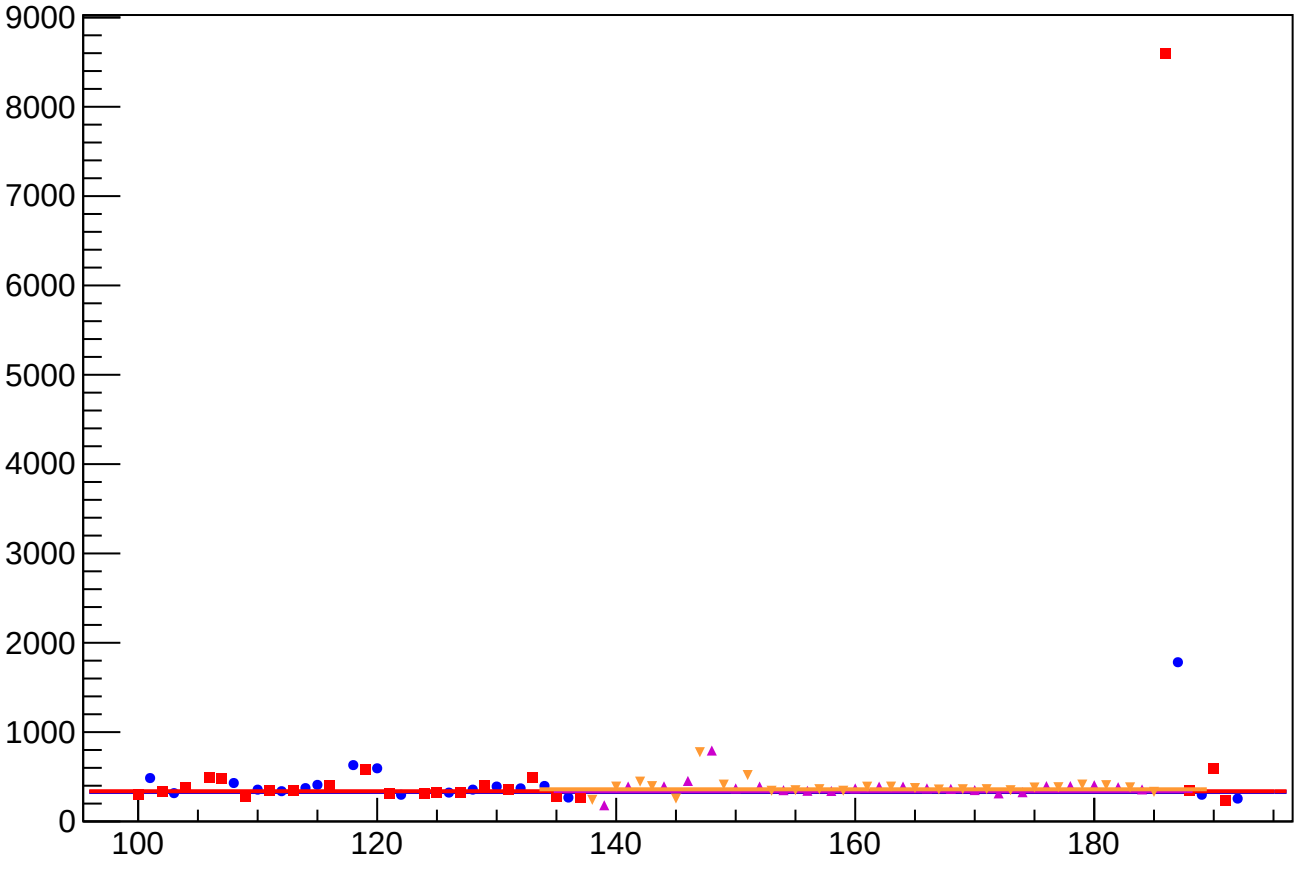
Right: 0.019+/-0.083 χ^2/NDF: 41.3/41

In: 0.017+/-0.067 χ^2/NDF:27.1/41

Out: 0.054+/-0.069 χ^2/NDF:48.7/47

All: 0.035+/-0.048 χ^2/NDF: 75.9/89

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: 338.280+/-0.084 χ^2/NDF: 1497340.0/22

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

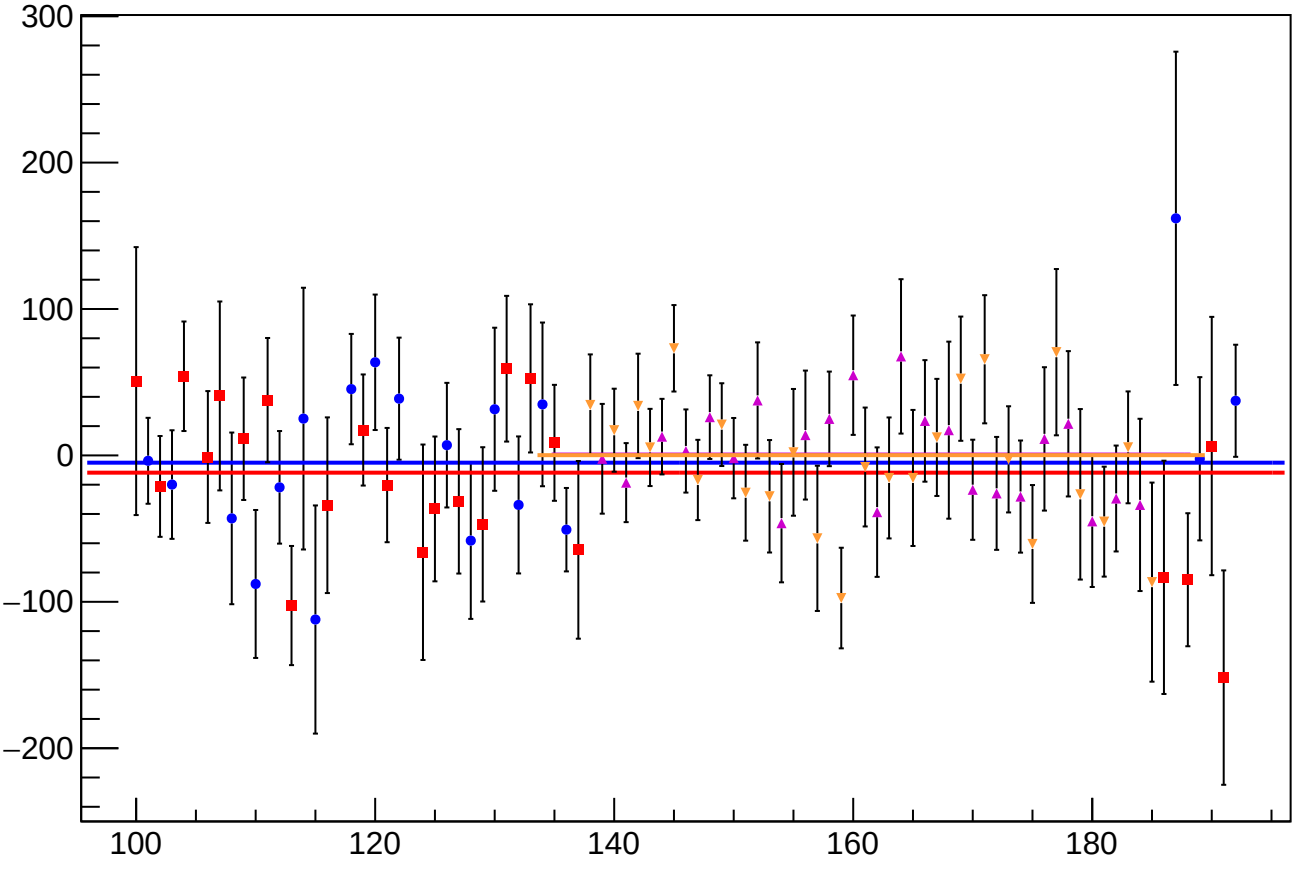
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 333.820+/-0.059 χ^2/NDF: 2647160.6/41

In: 336.503+/-0.048 χ^2/NDF:3380157.6/41

Out: 352.774+/-0.049 χ^2/NDF:2881426.3/47

All: 344.469+/-0.034 χ^2/NDF: 6318617.2/89



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: -11.786+/-10.103 χ^2/NDF: 24.9/22

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

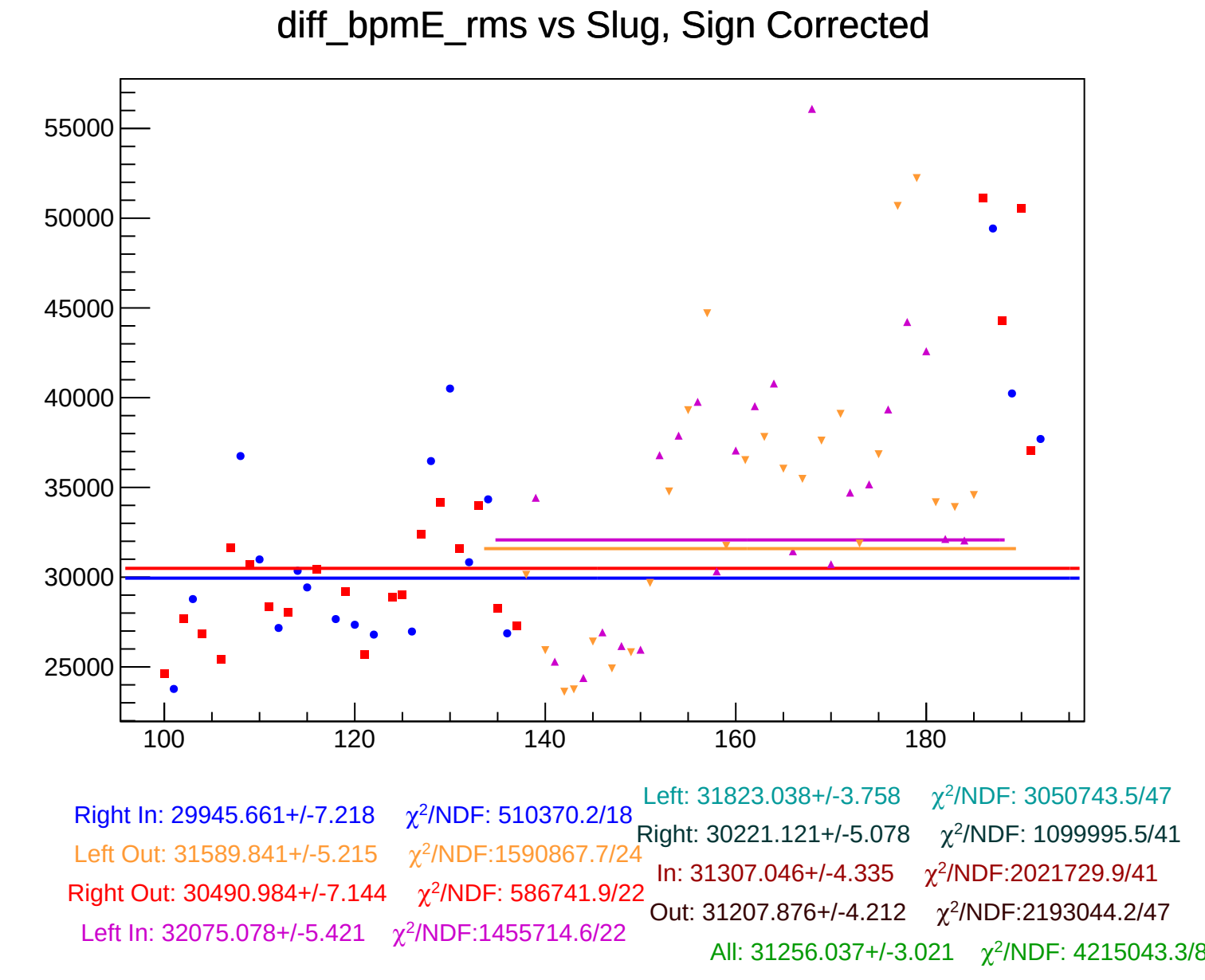
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -8.411+/-7.181 χ^2/NDF: 44.1/41

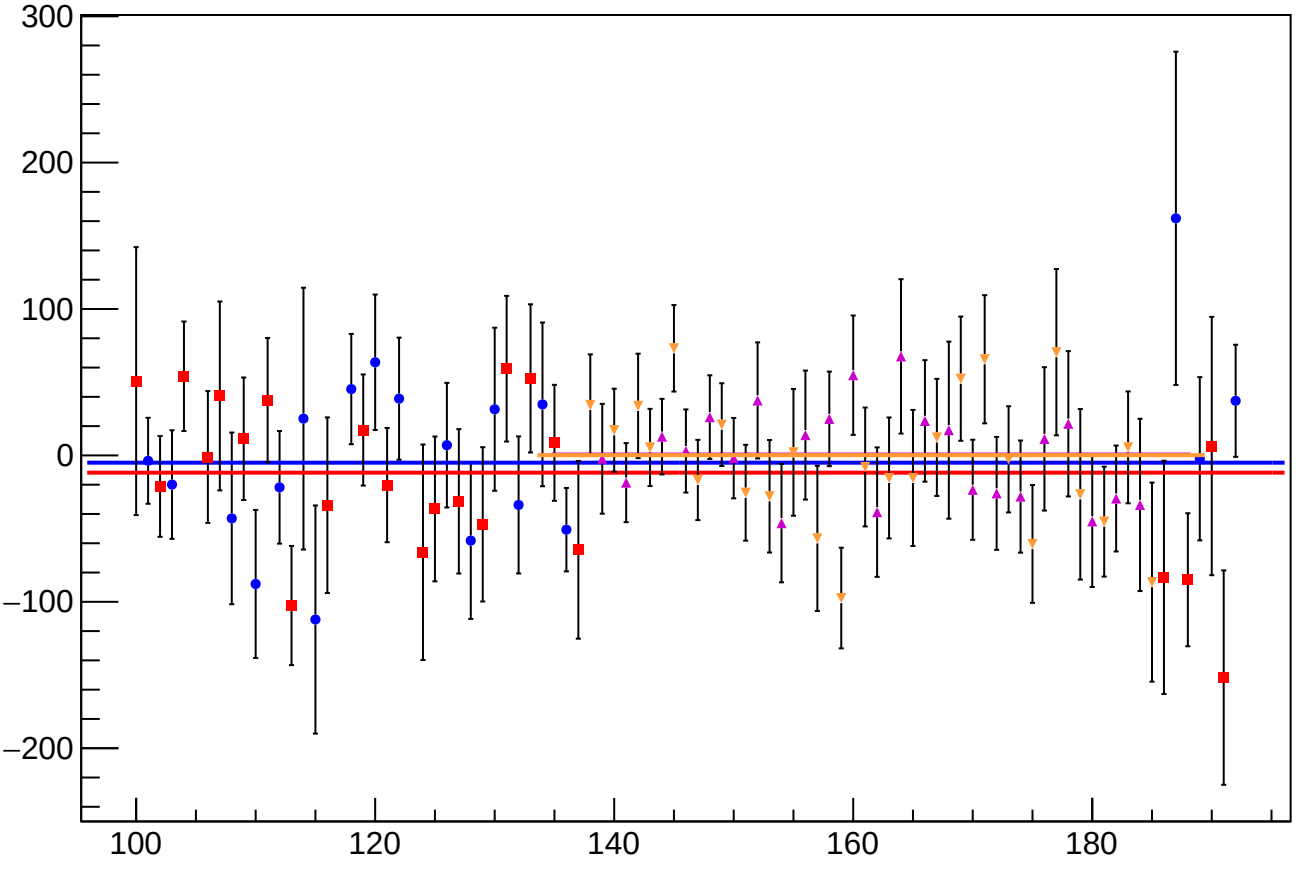
In: -1.417+/-6.130 χ^2/NDF:31.9/41

Out: -3.987+/-5.957 χ^2/NDF:57.0/47

All: -2.739+/-4.272 χ^2/NDF: 88.9/89


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: 30490.984+/-7.144 χ²/NDF: 586741.9/22
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 30221.121+/-5.078 χ²/NDF: 1099995.5/41
In: 31307.046+/-4.335 χ²/NDF:2021729.9/41
Out: 31207.876+/-4.212 χ²/NDF:2193044.2/47
All: 31256.037+/-3.021 χ²/NDF: 4215043.3/8

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: -11.786+/-10.103 χ^2/NDF: 24.9/22

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

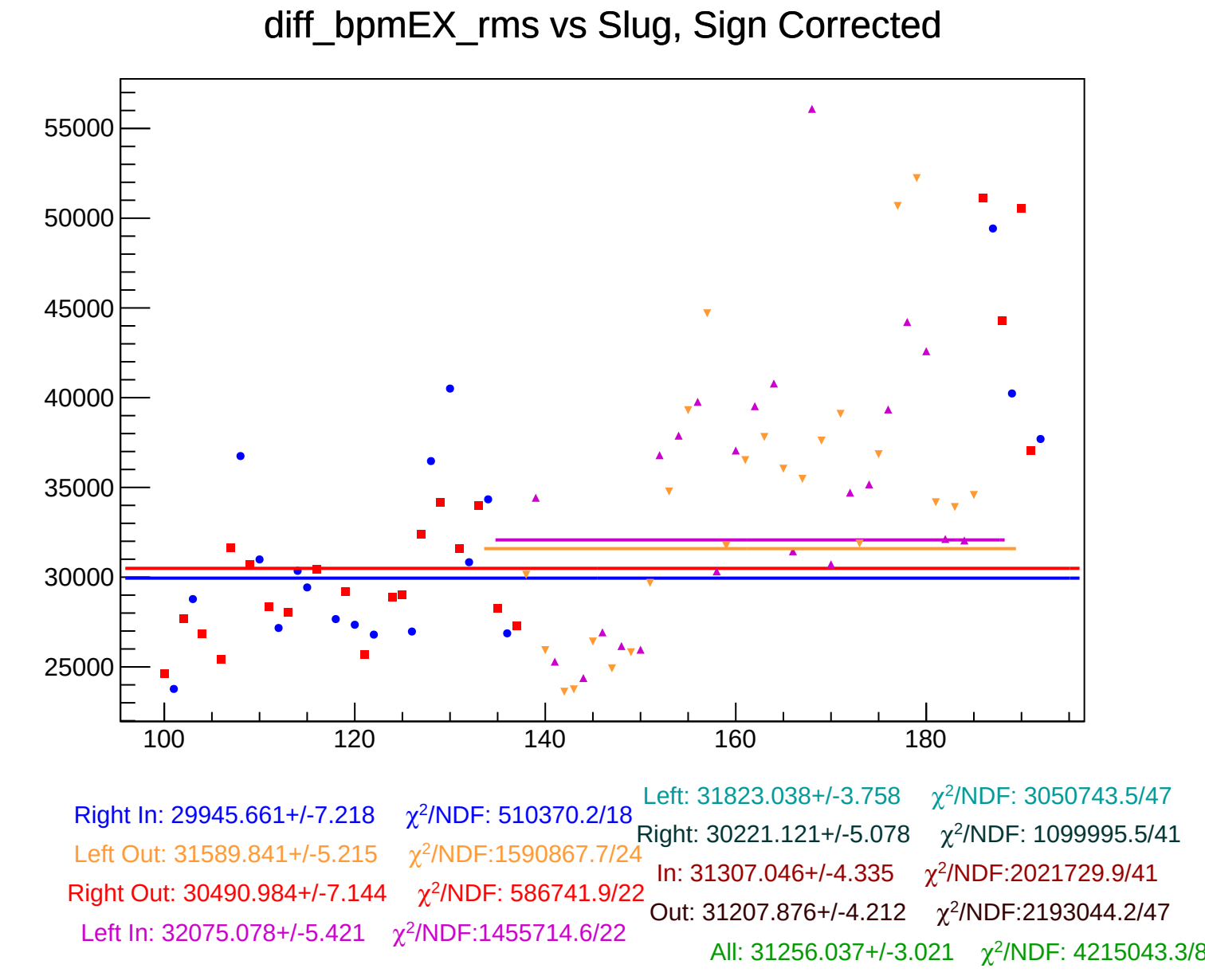
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

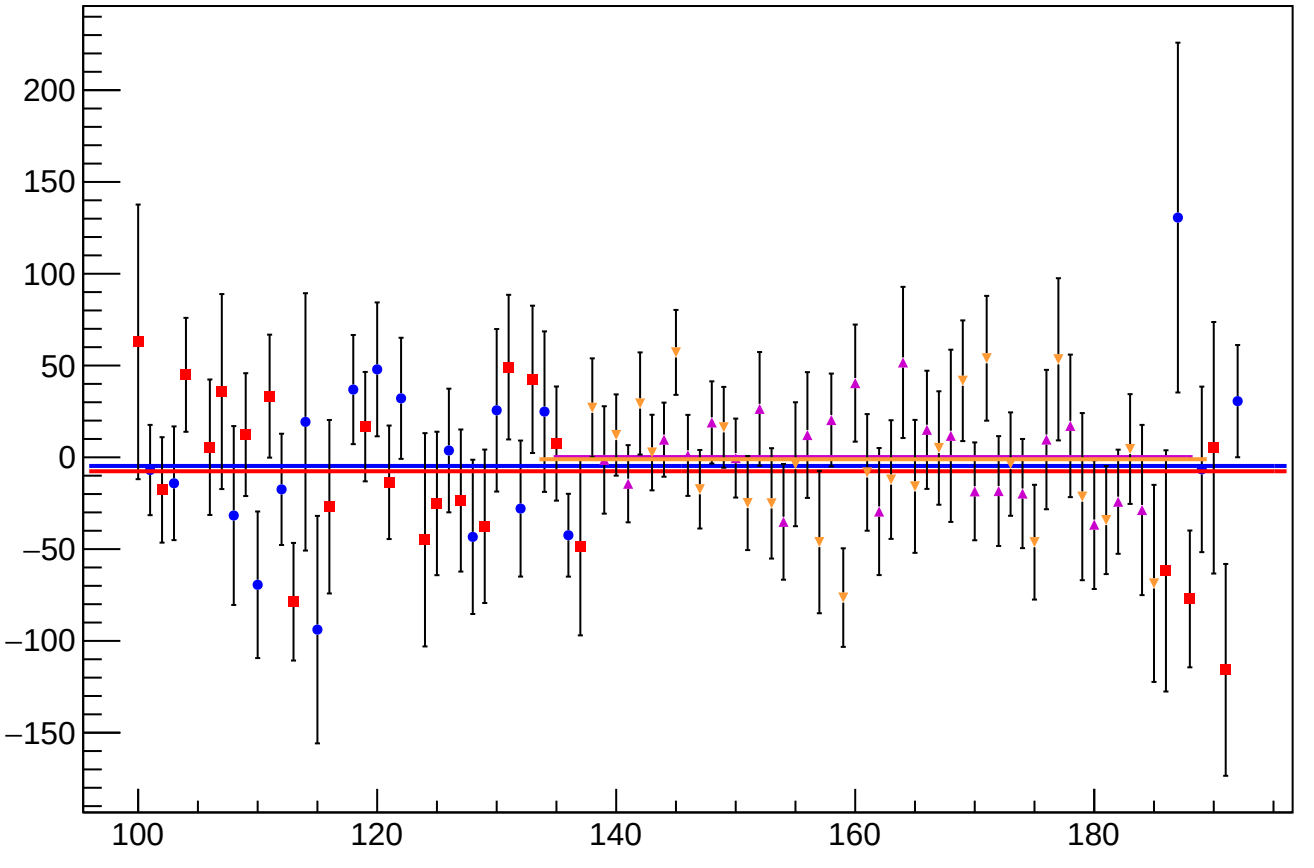
Right: -8.411+/-7.181 χ^2/NDF: 44.1/41

In: -1.417+/-6.130 χ^2/NDF:31.9/41

Out: -3.987+/-5.957 χ^2/NDF:57.0/47

All: -2.739+/-4.272 χ^2/NDF: 88.9/89


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: 30490.984+/-7.144 χ²/NDF: 586741.9/22
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 30221.121+/-5.078 χ²/NDF: 1099995.5/41
In: 31307.046+/-4.335 χ²/NDF:2021729.9/41
Out: 31207.876+/-4.212 χ²/NDF:2193044.2/47
All: 31256.037+/-3.021 χ²/NDF: 4215043.3/8



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: -7.591+/-8.088 χ^2/NDF: 25.9/22

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

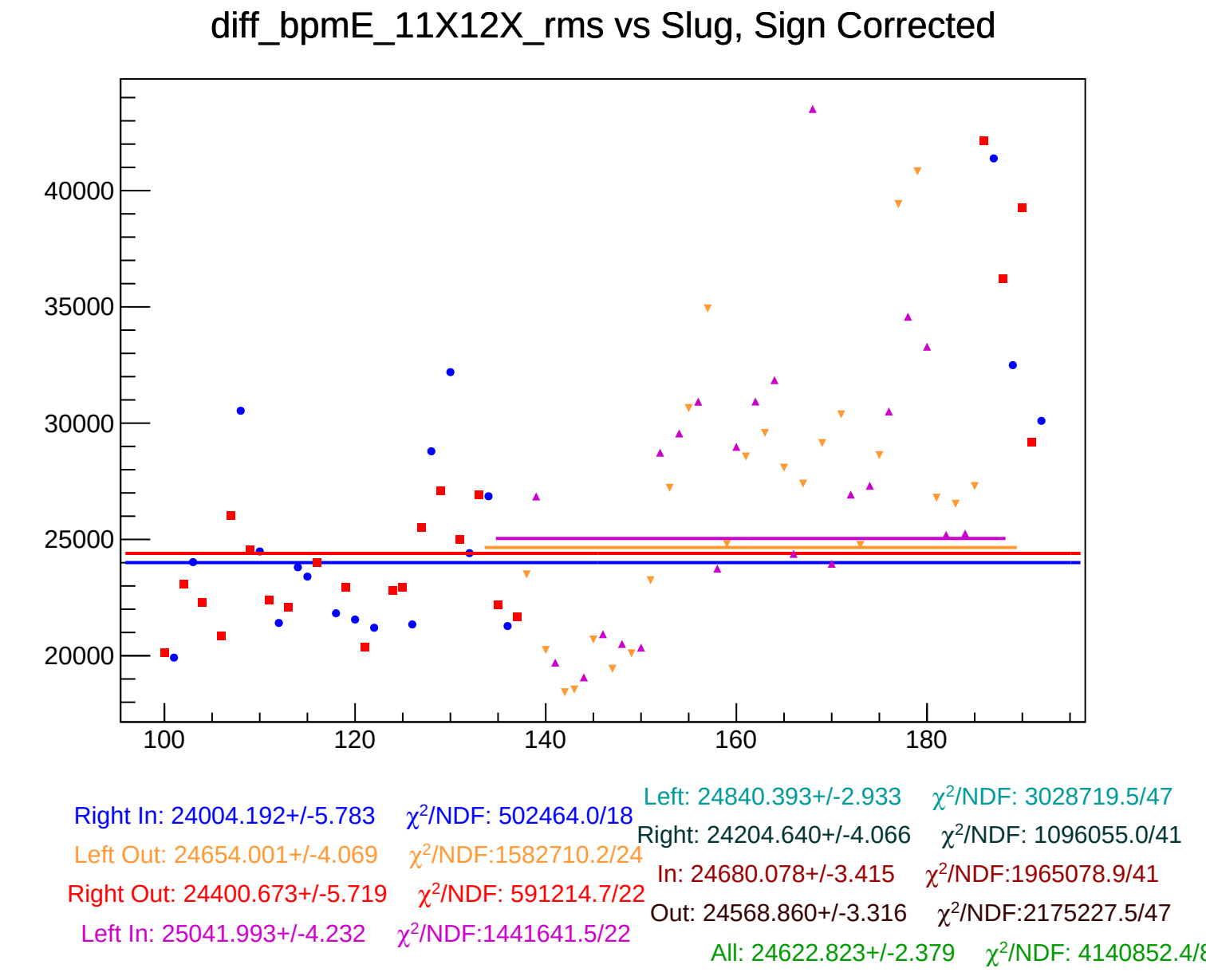
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -6.161+/-5.751 χ^2/NDF: 45.1/41

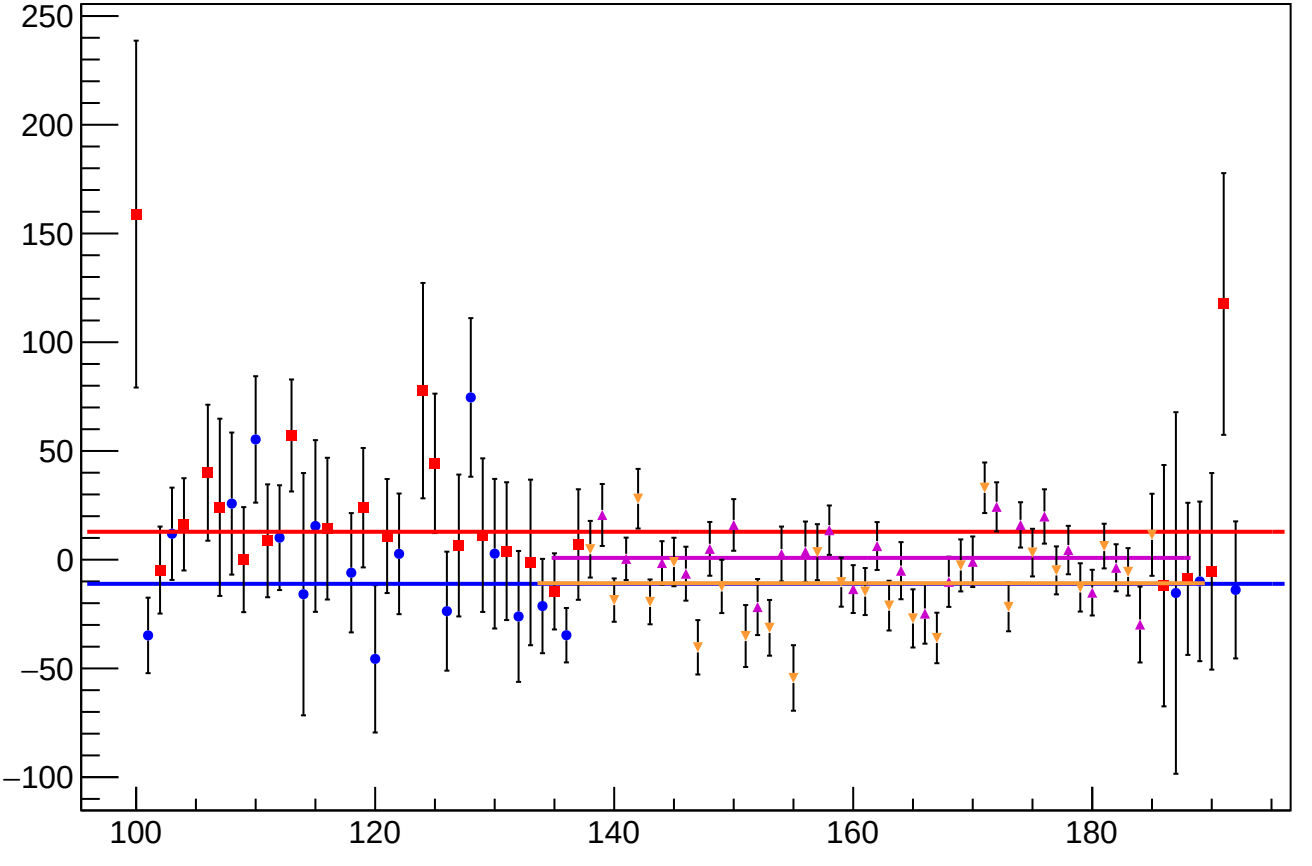
In: -1.543+/-4.830 χ^2/NDF:31.4/41

Out: -3.243+/-4.689 χ^2/NDF:58.7/47

All: -2.418+/-3.364 χ^2/NDF: 90.2/89


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: 24400.673+/-5.719 χ²/NDF: 591214.7/22
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 24204.640+/-4.066 χ²/NDF: 1096055.0/41
In: 24680.078+/-3.415 χ²/NDF:1965078.9/41
Out: 24568.860+/-3.316 χ²/NDF:2175227.5/47
All: 24622.823+/-2.379 χ²/NDF: 4140852.4/8

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: 12.838+/-6.148 χ^2/NDF: 17.6/22

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

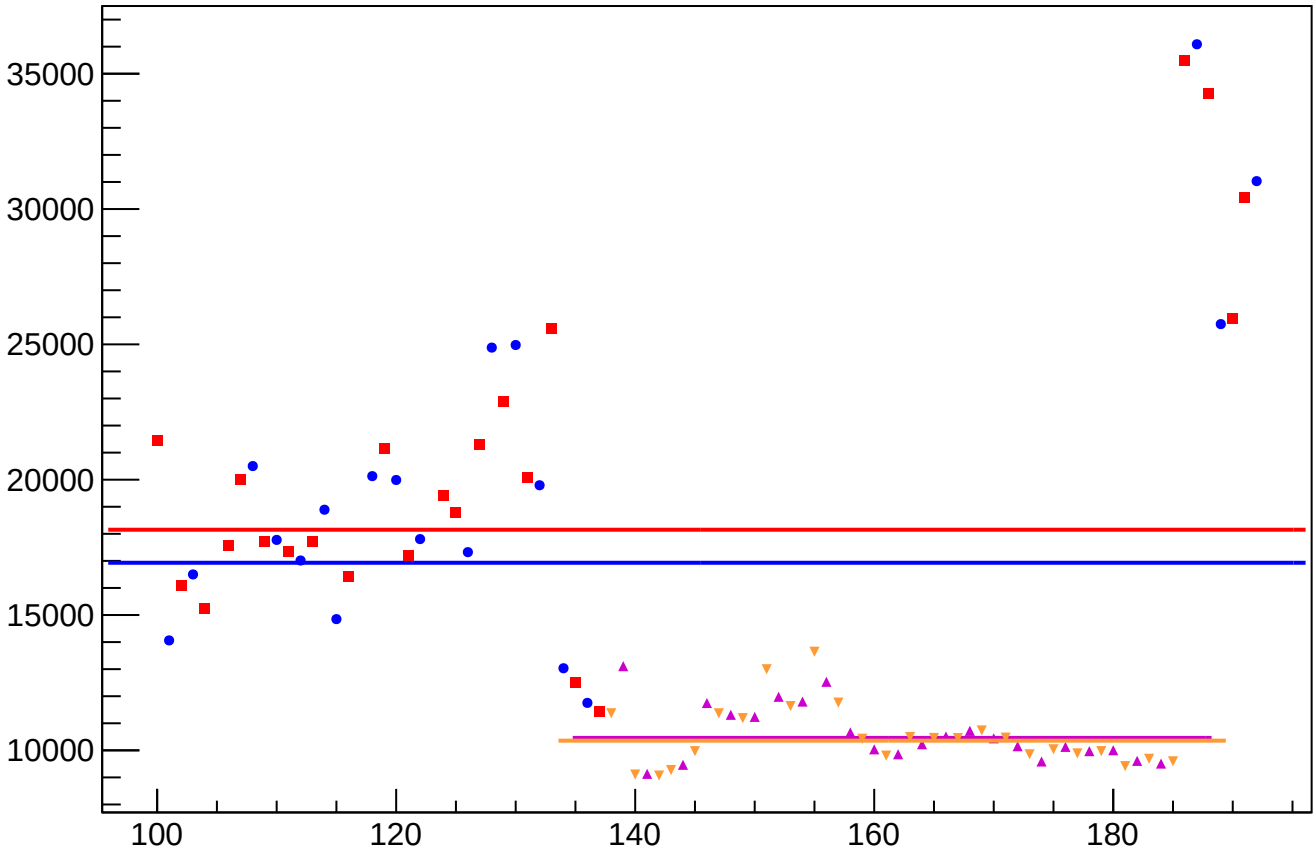
Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

Right: 0.469+/-4.274 χ^2/NDF: 47.5/41

In: -0.913+/-2.271 χ^2/NDF:54.9/41

Out: -7.760+/-2.212 χ^2/NDF:91.8/47

All: -4.427+/-1.584 χ^2/NDF: 151.3/89



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: 18151.482+/-4.347 χ^2/NDF: 1352262.0/22

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

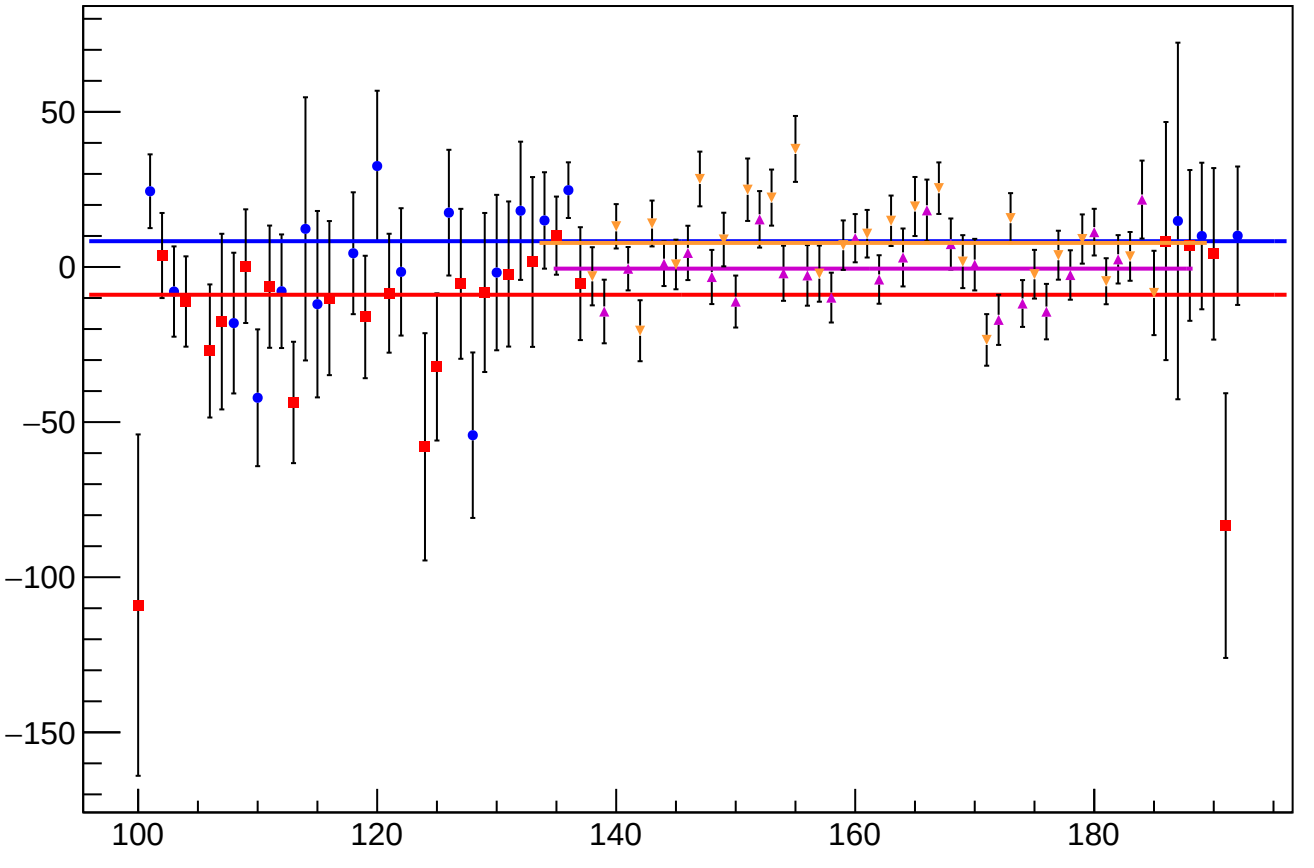
Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

Right: 17520.795+/-3.022 χ^2/NDF: 2779606.2/41

In: 11403.169+/-1.606 χ^2/NDF:3725475.5/41

Out: 11367.000+/-1.564 χ^2/NDF:4513368.6/47

All: 11384.608+/-1.120 χ^2/NDF: 8239104.5/8



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: -8.950+/-4.413 χ^2/NDF: 17.8/22

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

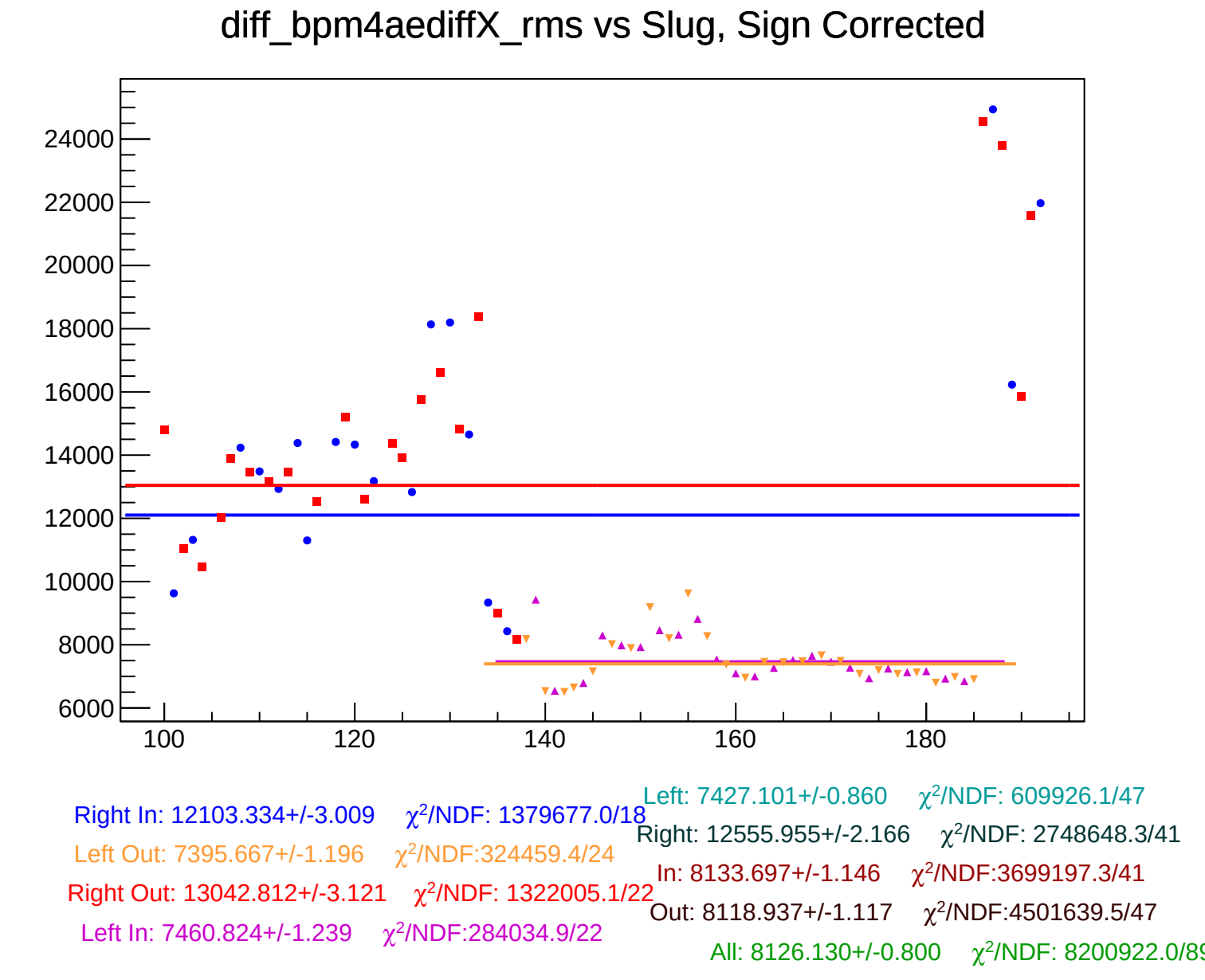
Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

Right: -0.002+/-3.063 χ^2/NDF: 47.5/41

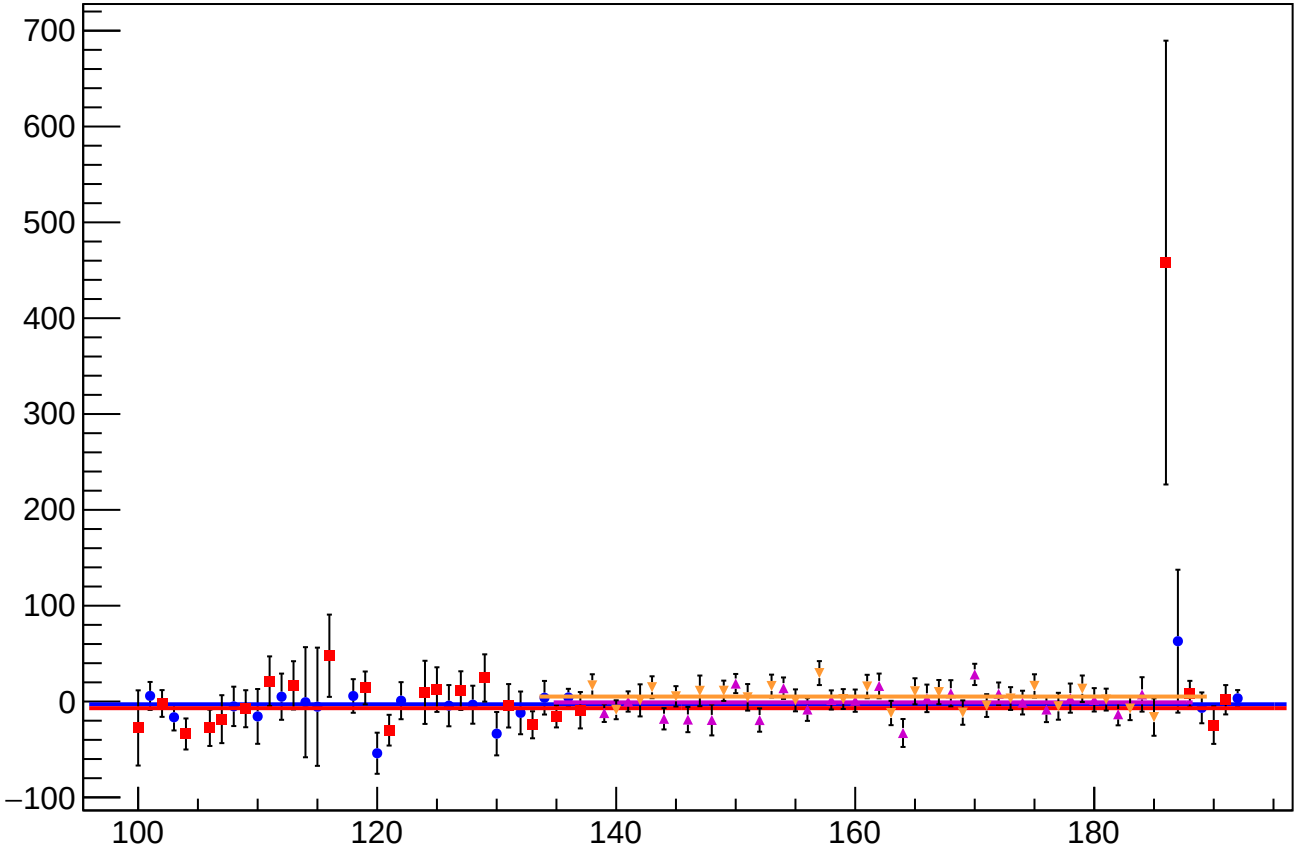
In: 0.751+/-1.620 χ^2/NDF:55.0/41

Out: 5.623+/-1.579 χ^2/NDF:91.2/47

All: 3.248+/-1.131 χ^2/NDF: 150.8/89


diff_bpm4aediffX_rms vs Slug, Sign Corrected
24000
22000
20000
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
Right In: 12103.334+/-3.009 χ²/NDF: 1379677.0/18
Left Out: 7395.667+/-1.196 χ²/NDF:324459.4/24
Right Out: 13042.812+/-3.121 χ²/NDF: 1322005.1/22
Left In: 7460.824+/-1.239 χ²/NDF:284034.9/22
Left: 7427.101+/-0.860 χ²/NDF: 609926.1/47
Right: 12555.955+/-2.166 χ²/NDF: 2748648.3/41
In: 8133.697+/-1.146 χ²/NDF:3699197.3/41
Out: 8118.937+/-1.117 χ²/NDF:4501639.5/47
All: 8126.130+/-0.800 χ²/NDF: 8200922.0/89

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: -6.953+/-3.947 χ^2/NDF: 23.7/22

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

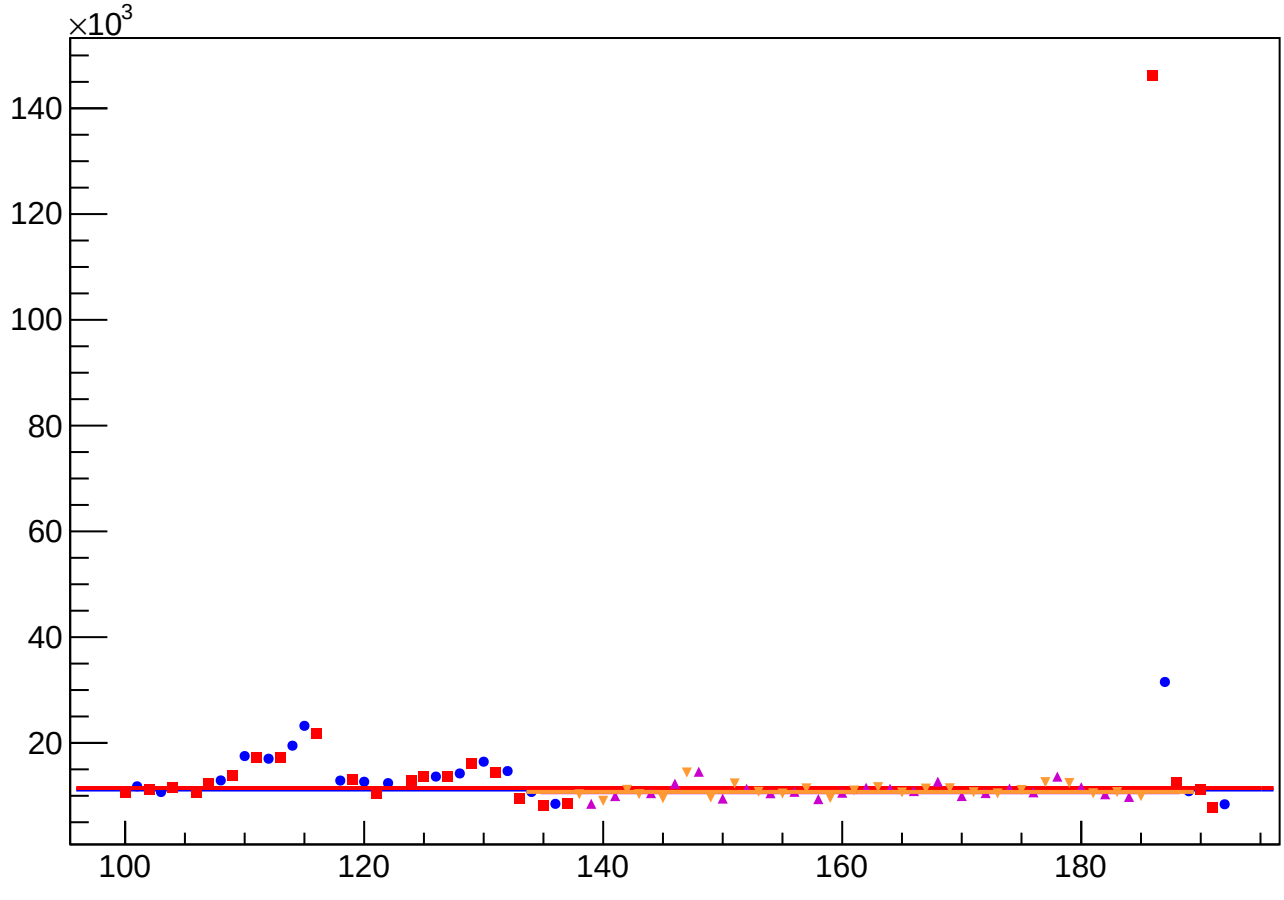
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -4.895+/-2.774 χ^2/NDF: 36.0/41

In: -1.479+/-2.116 χ^2/NDF:43.7/41

Out: 1.786+/-2.087 χ^2/NDF:48.9/47

All: 0.176+/-1.486 χ^2/NDF: 93.8/89



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: 11475.613+/-2.791 χ^2/NDF: 1601743.8/22

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

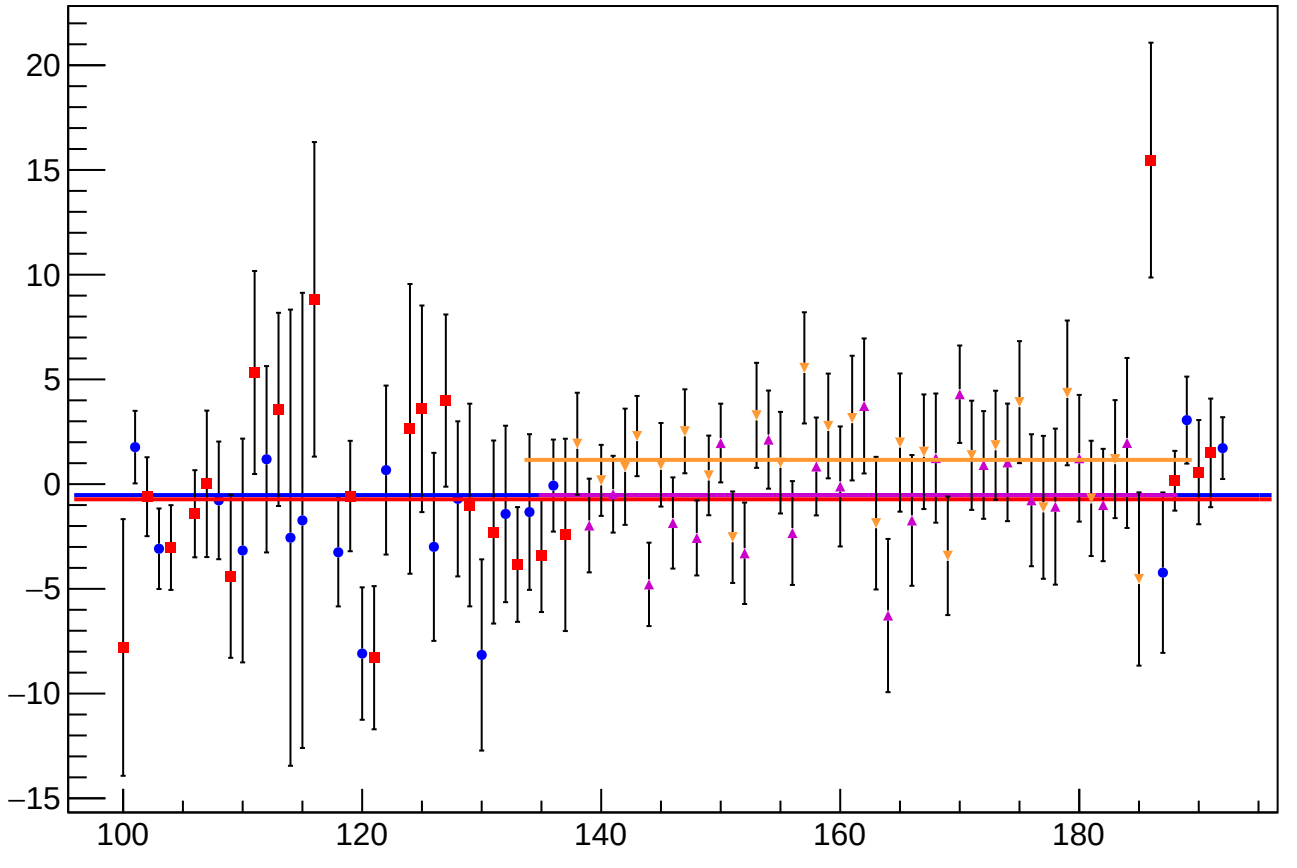
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 11329.086+/-1.962 χ^2/NDF: 2767859.3/41

In: 10826.954+/-1.496 χ^2/NDF:1685282.0/41

Out: 10941.139+/-1.476 χ^2/NDF:2020924.2/47

All: 10884.824+/-1.051 χ^2/NDF: 3709158.9/8



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: -0.725+/-0.616 χ^2/NDF: 27.2/22

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

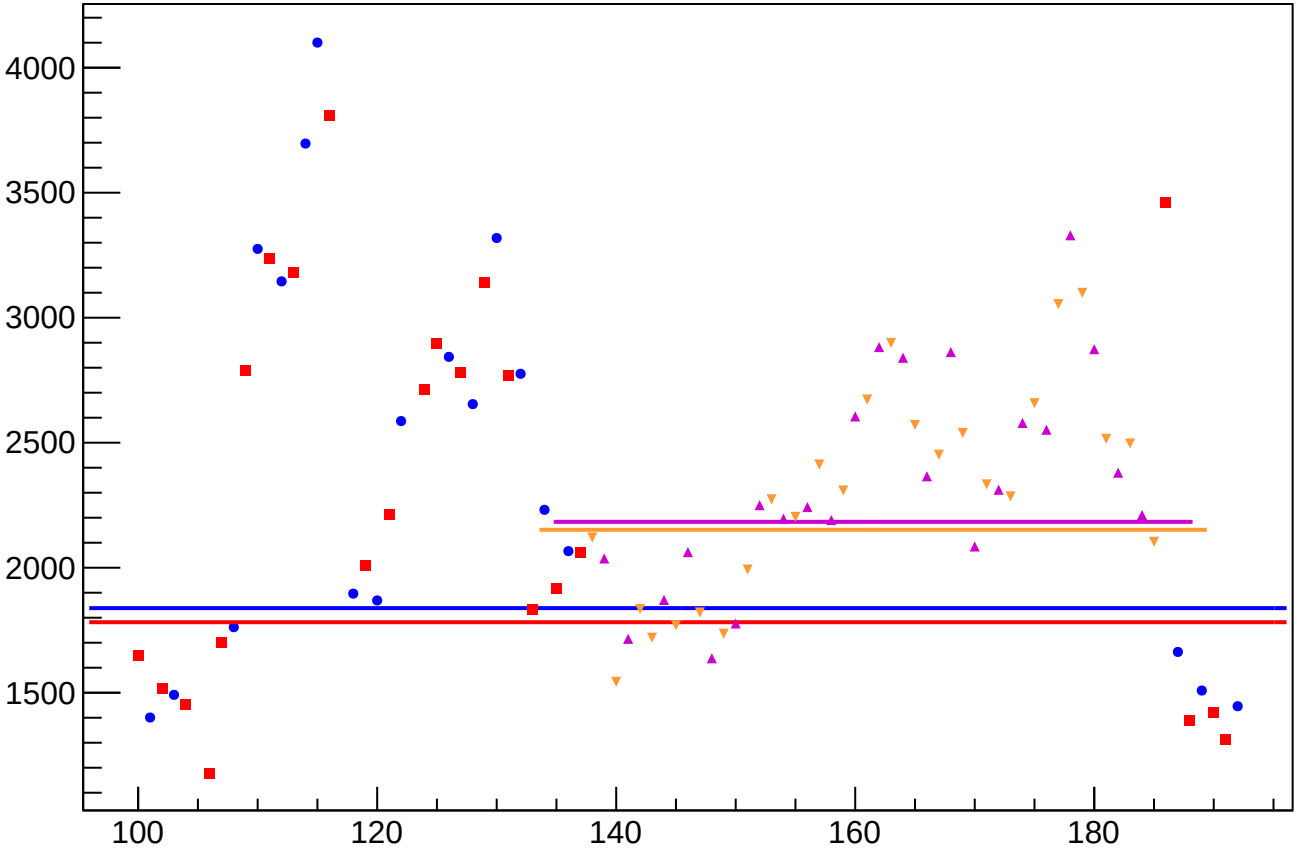
Right: -0.628+/-0.445 χ^2/NDF: 47.6/41

In: -0.522+/-0.405 χ^2/NDF:42.7/41

Out: 0.409+/-0.388 χ^2/NDF:49.7/47

All: -0.037+/-0.280 χ^2/NDF: 95.1/89

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: 1782.123+/-0.435 χ^2/NDF: 1921219.1/22

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

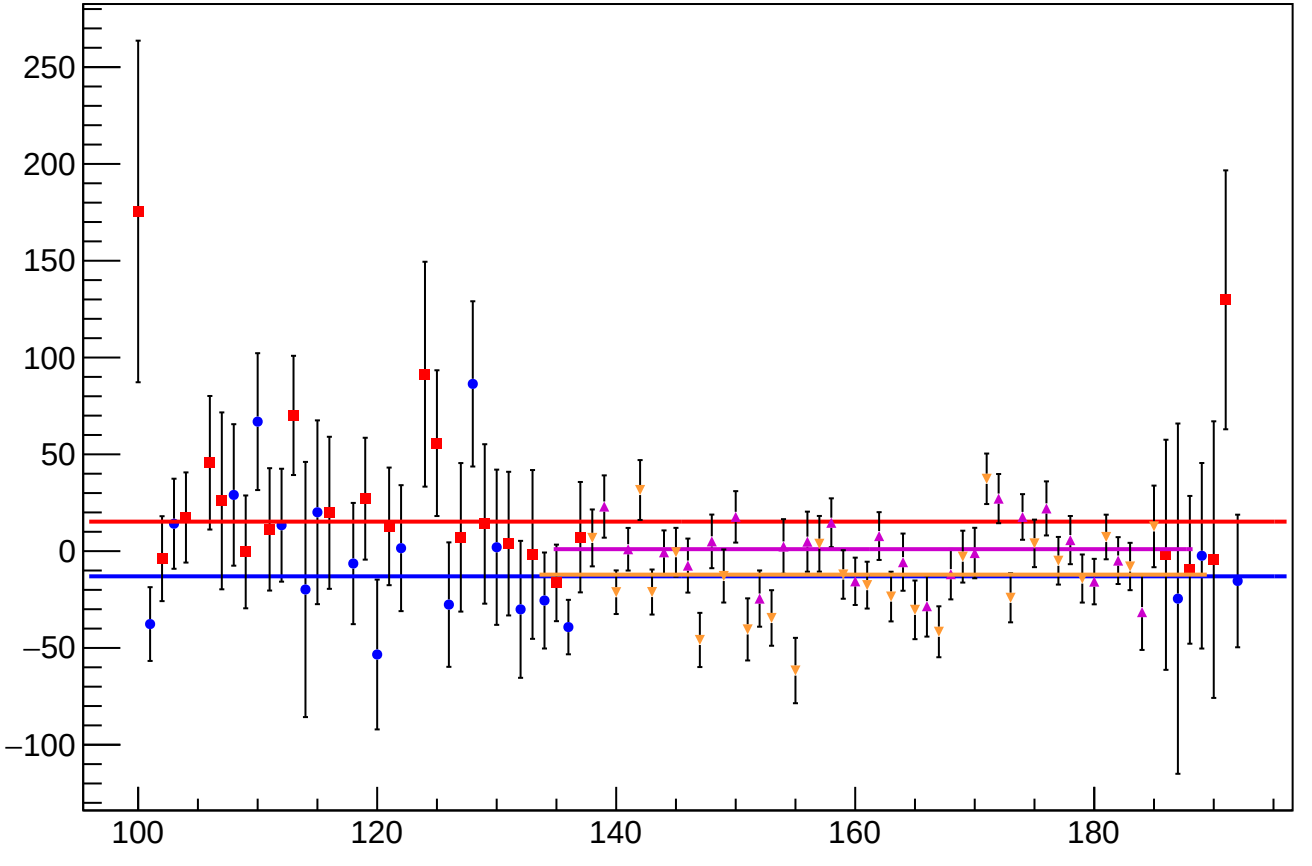
Right: 1808.985+/-0.315 χ^2/NDF: 3402222.7/41

In: 2047.359+/-0.286 χ^2/NDF:2982935.8/41

Out: 2004.832+/-0.275 χ^2/NDF:3704991.3/47

All: 2025.220+/-0.198 χ^2/NDF: 6699433.2/89

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: 15.244+/-7.062 χ^2/NDF: 17.9/22

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

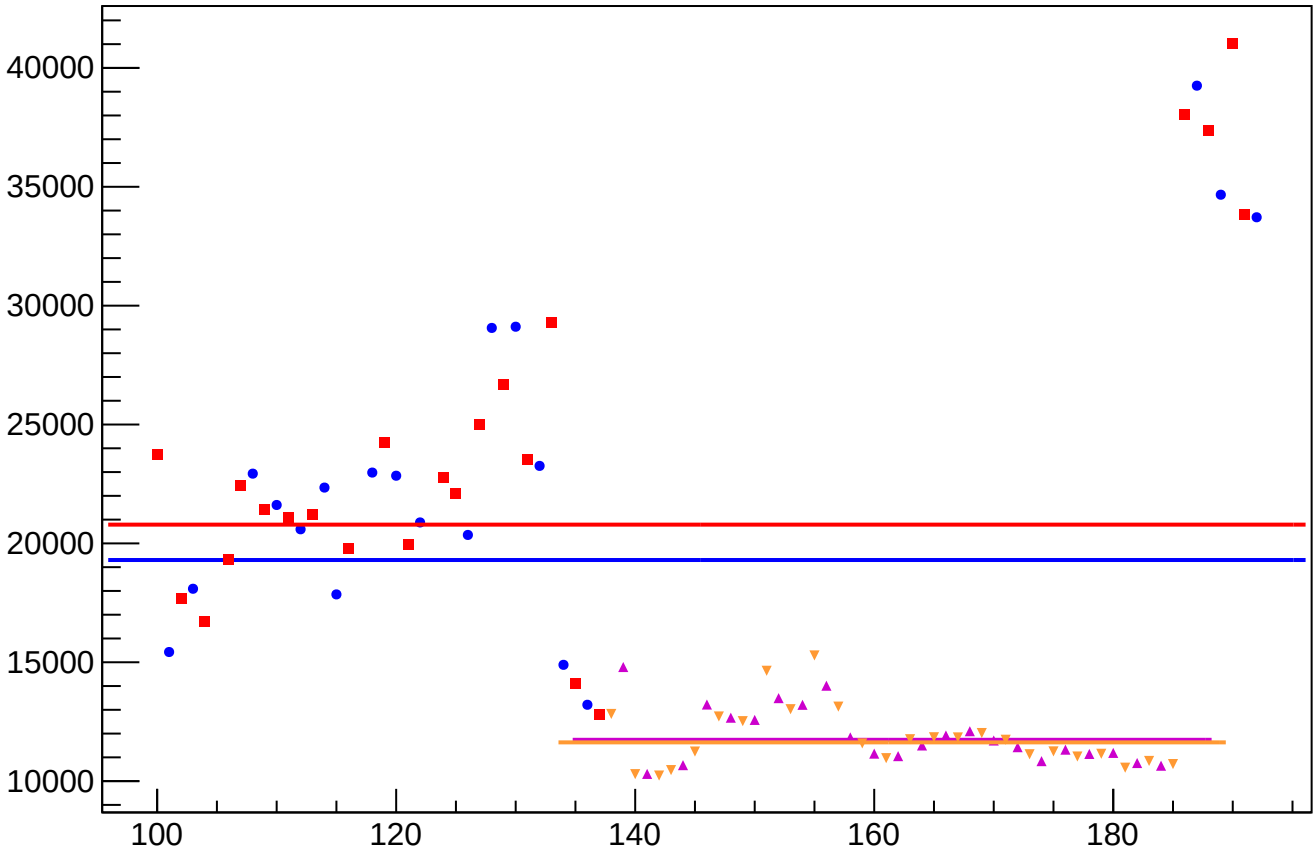
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

Right: 0.570+/-4.896 χ^2/NDF: 48.1/41

In: -0.961+/-2.555 χ^2/NDF:54.4/41

Out: -8.731+/-2.490 χ^2/NDF:93.7/47

All: -4.946+/-1.783 χ^2/NDF: 152.8/89



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: 20789.224+/-4.994 χ^2/NDF: 1461825.2/22

Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

Left: 11682.361+/-1.354 χ^2/NDF: 671157.6/47

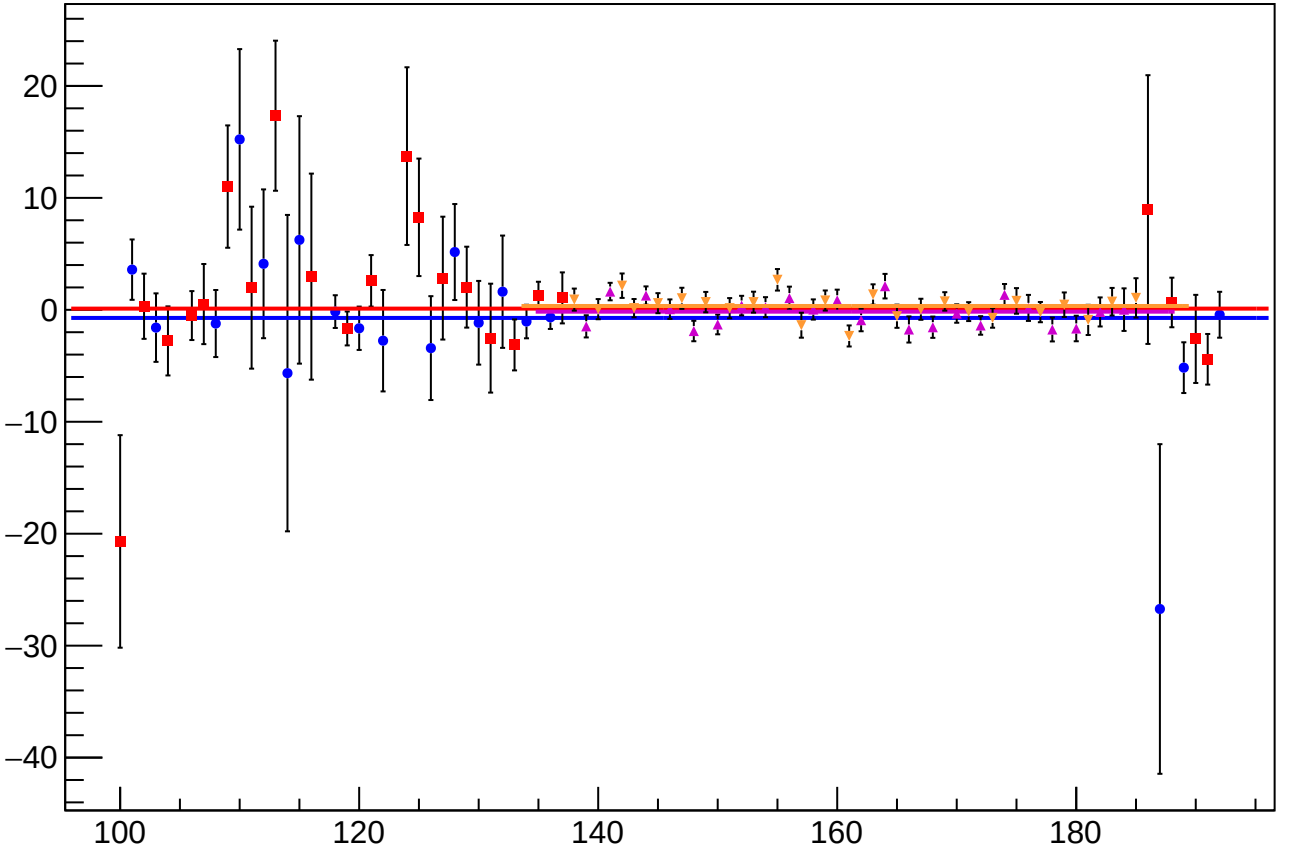
Right: 20016.284+/-3.462 χ^2/NDF: 3030509.1/41

In: 12808.074+/-1.807 χ^2/NDF:3963836.8/41

Out: 12768.879+/-1.761 χ^2/NDF:4763364.0/47

All: 12787.972+/-1.261 χ^2/NDF: 8727442.1/8

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



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: 0.108+/-0.581 χ^2/NDF: 33.4/22

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

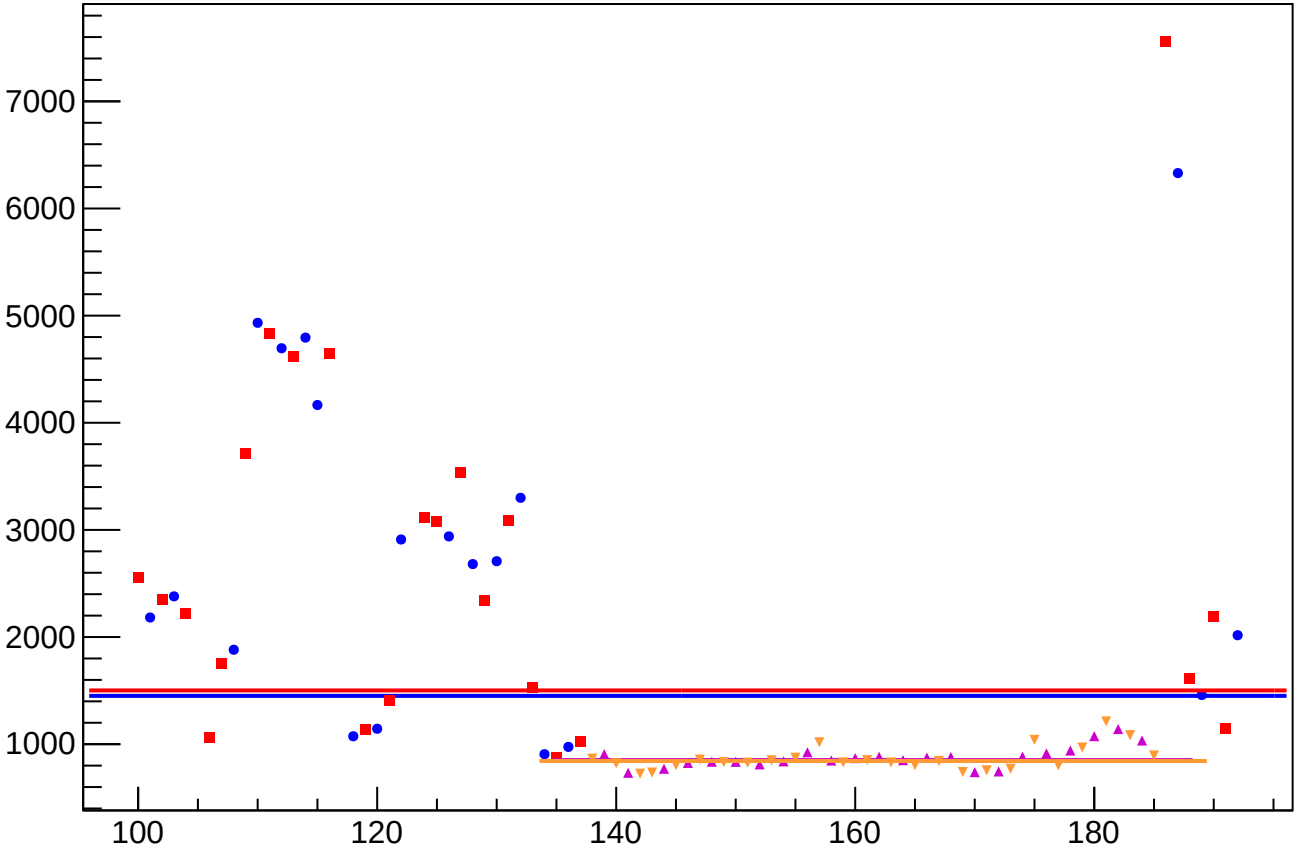
Right: -0.325+/-0.402 χ^2/NDF: 52.2/41

In: -0.229+/-0.189 χ^2/NDF:54.9/41

Out: 0.319+/-0.184 χ^2/NDF:60.4/47

All: 0.053+/-0.132 χ^2/NDF: 119.6/89

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1451.060+/-0.394 χ^2/NDF: 3771218.9/18

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1501.687+/-0.411 χ^2/NDF: 4025121.9/22

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

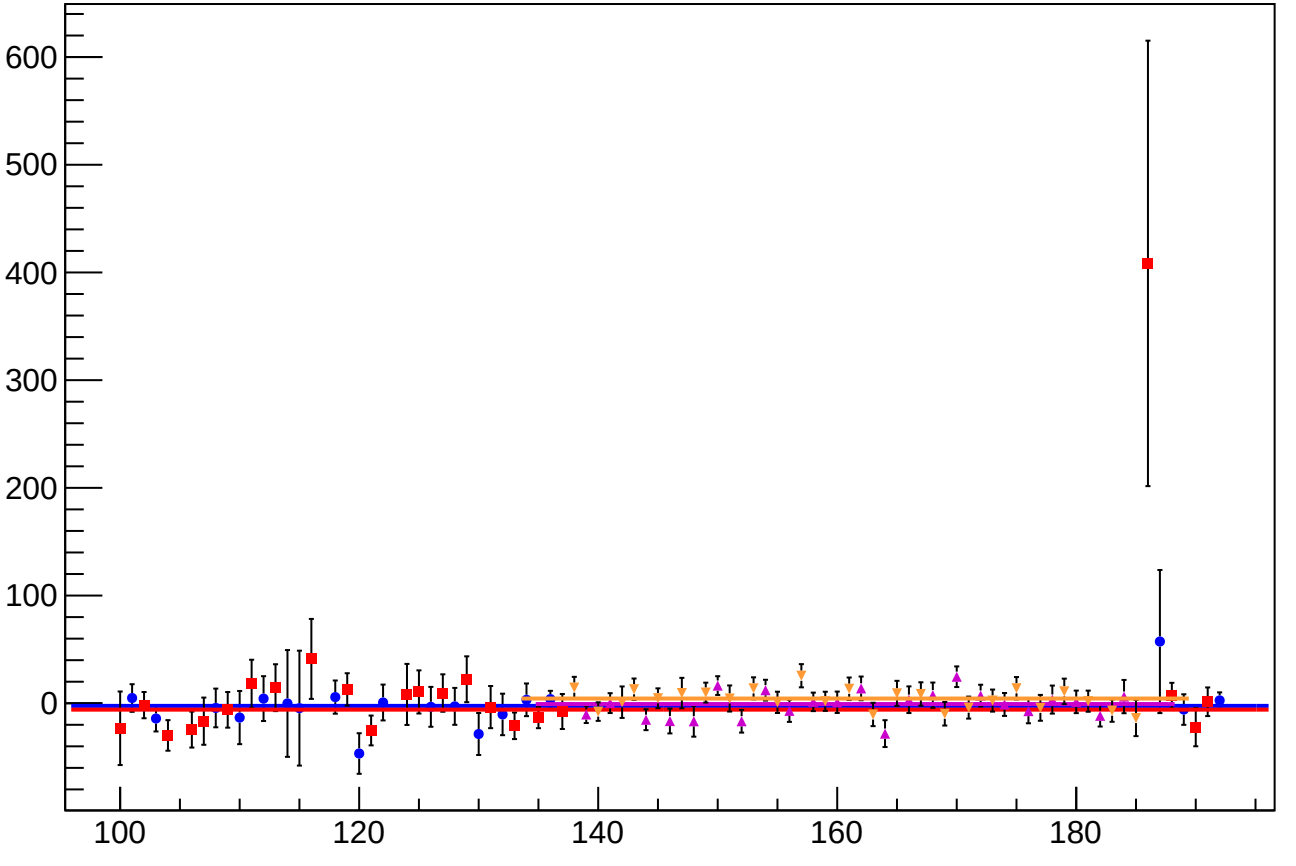
Right: 1475.331+/-0.285 χ^2/NDF: 7804238.6/41

In: 920.425+/-0.134 χ^2/NDF:6198272.6/41

Out: 909.106+/-0.130 χ^2/NDF:6839632.4/47

All: 914.608+/-0.093 χ^2/NDF: 13041592.0/89

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: -5.933+/-3.432 χ^2/NDF: 23.7/22

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

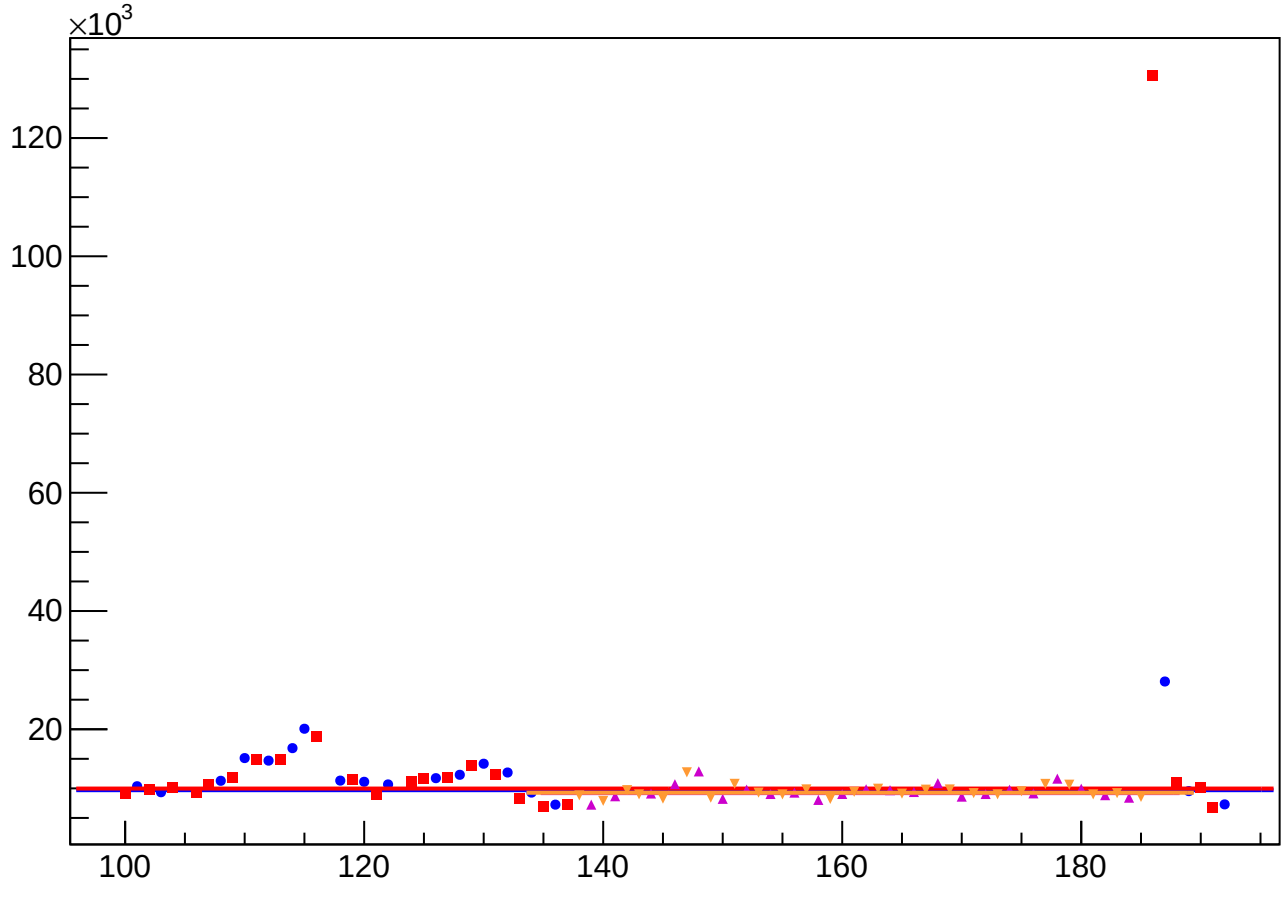
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -4.159+/-2.409 χ^2/NDF: 35.7/41

In: -1.230+/-1.827 χ^2/NDF:43.7/41

Out: 1.531+/-1.805 χ^2/NDF:48.8/47

All: 0.167+/-1.284 χ^2/NDF: 93.7/89



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: 9970.685+/-2.427 χ^2/NDF: 1607858.5/22

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

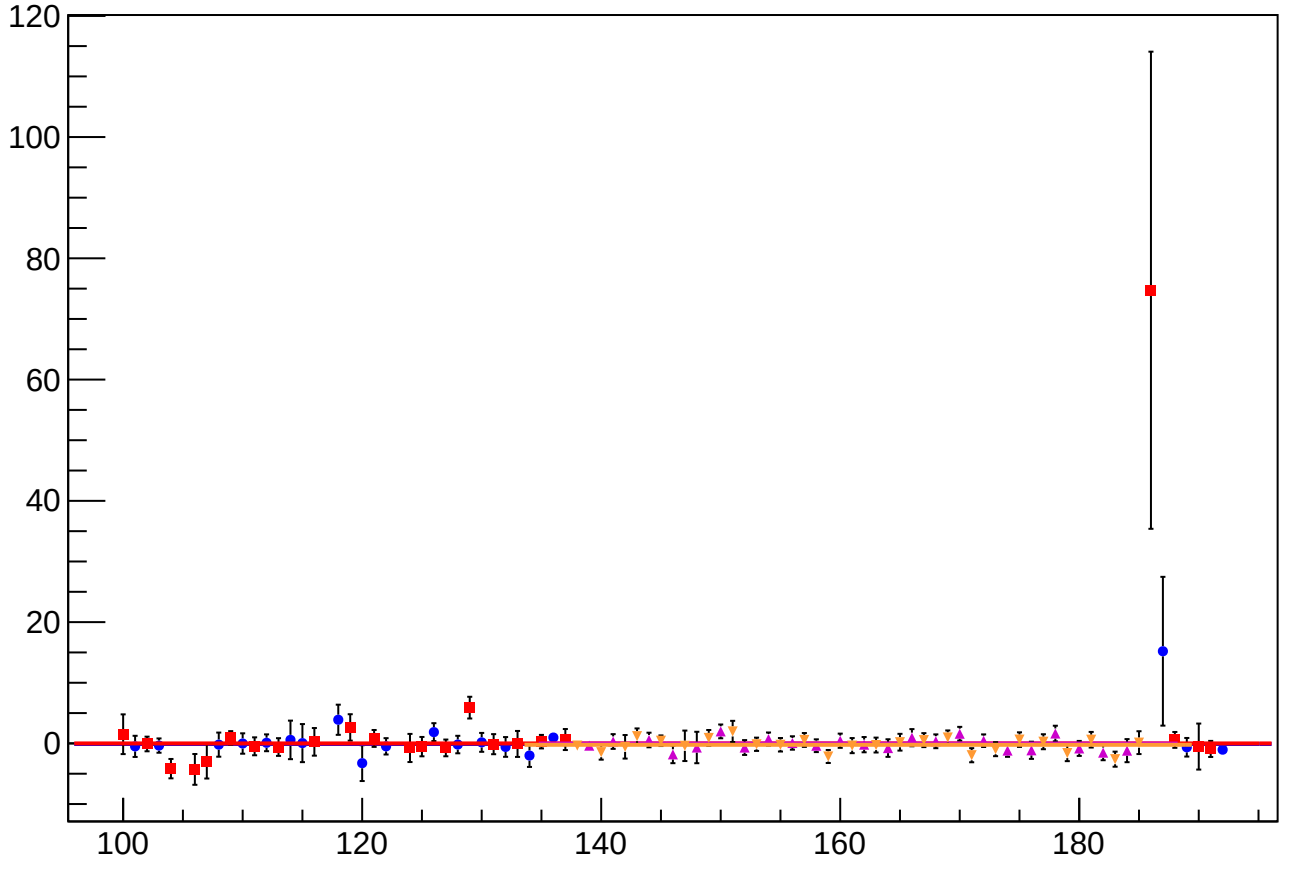
Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

Right: 9830.518+/-1.704 χ^2/NDF: 2793404.4/41

In: 9343.897+/-1.292 χ^2/NDF:1724792.8/41

Out: 9457.585+/-1.276 χ^2/NDF:2035700.4/47

All: 9401.432+/-0.908 χ^2/NDF: 3764413.4/89



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: -0.006+/-0.344 χ^2/NDF: 29.5/22

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

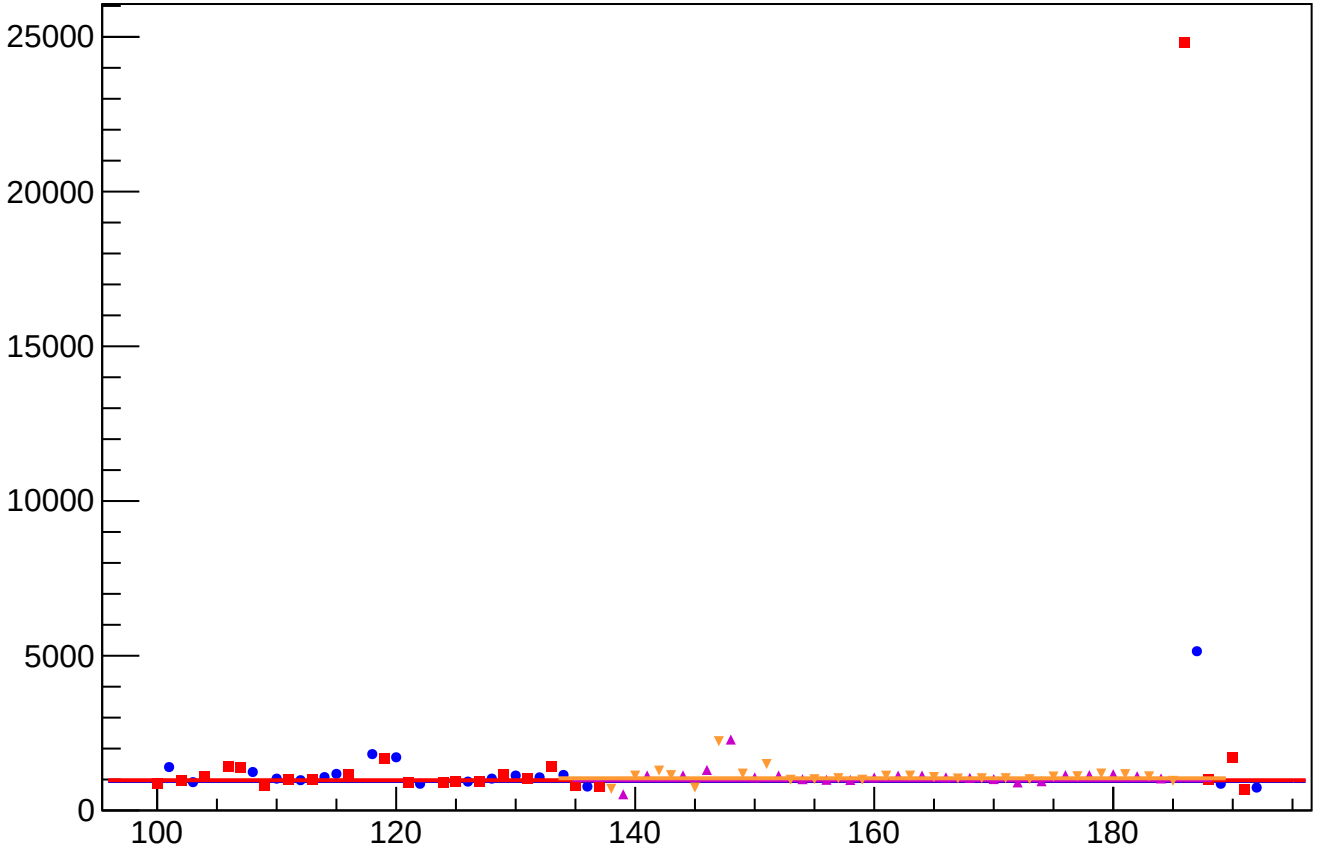
Right: -0.054+/-0.240 χ^2/NDF: 41.3/41

In: -0.050+/-0.195 χ^2/NDF:27.1/41

Out: -0.155+/-0.199 χ^2/NDF:48.7/47

All: -0.101+/-0.139 χ^2/NDF: 75.9/89

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: 976.655+/-0.243 χ^2/NDF: 1497340.0/22

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

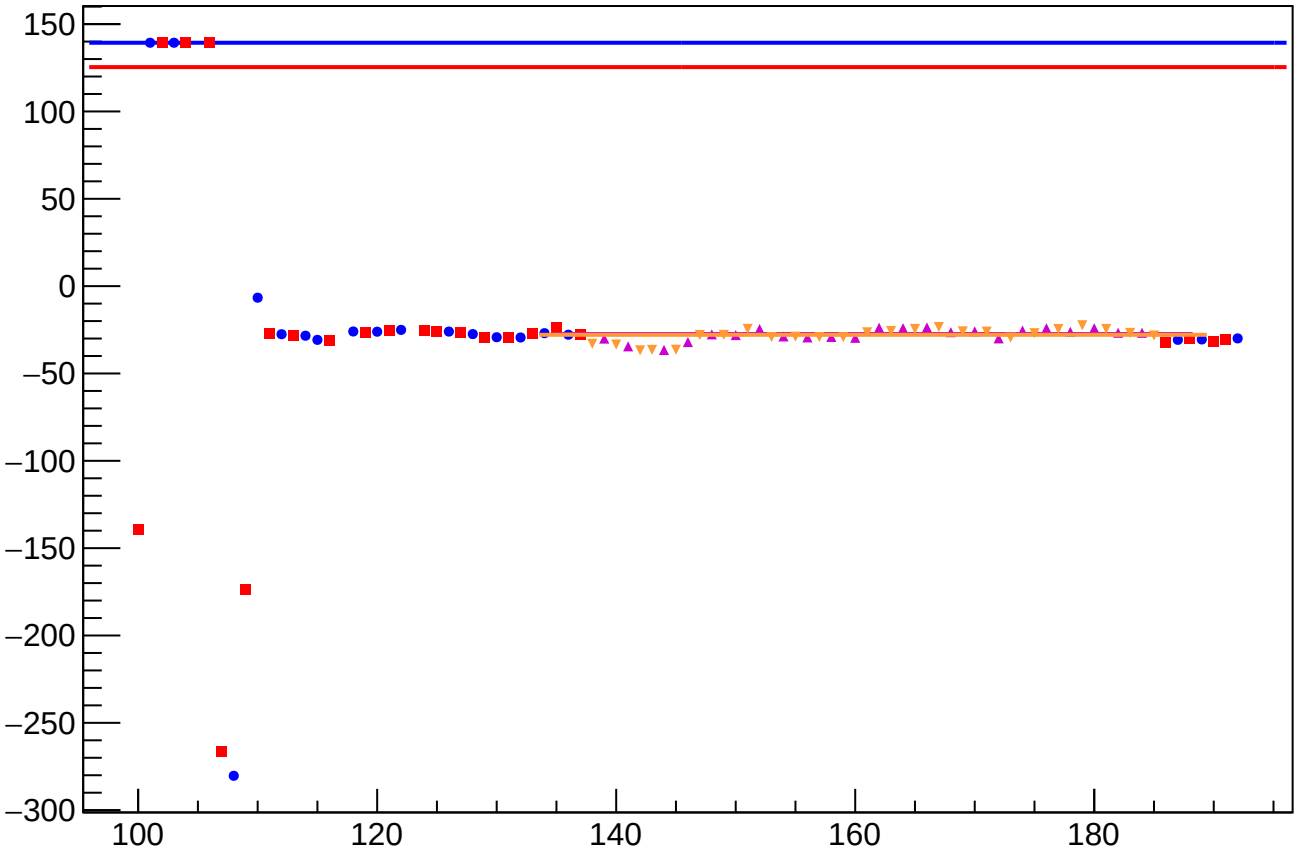
Right: 963.779+/-0.170 χ^2/NDF: 2647160.6/41

In: 971.523+/-0.138 χ^2/NDF:3380157.6/41

Out: 1018.499+/-0.141 χ^2/NDF:2881426.3/47

All: 994.522+/-0.098 χ^2/NDF: 6318617.2/89

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: 774176513329815.9/22

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

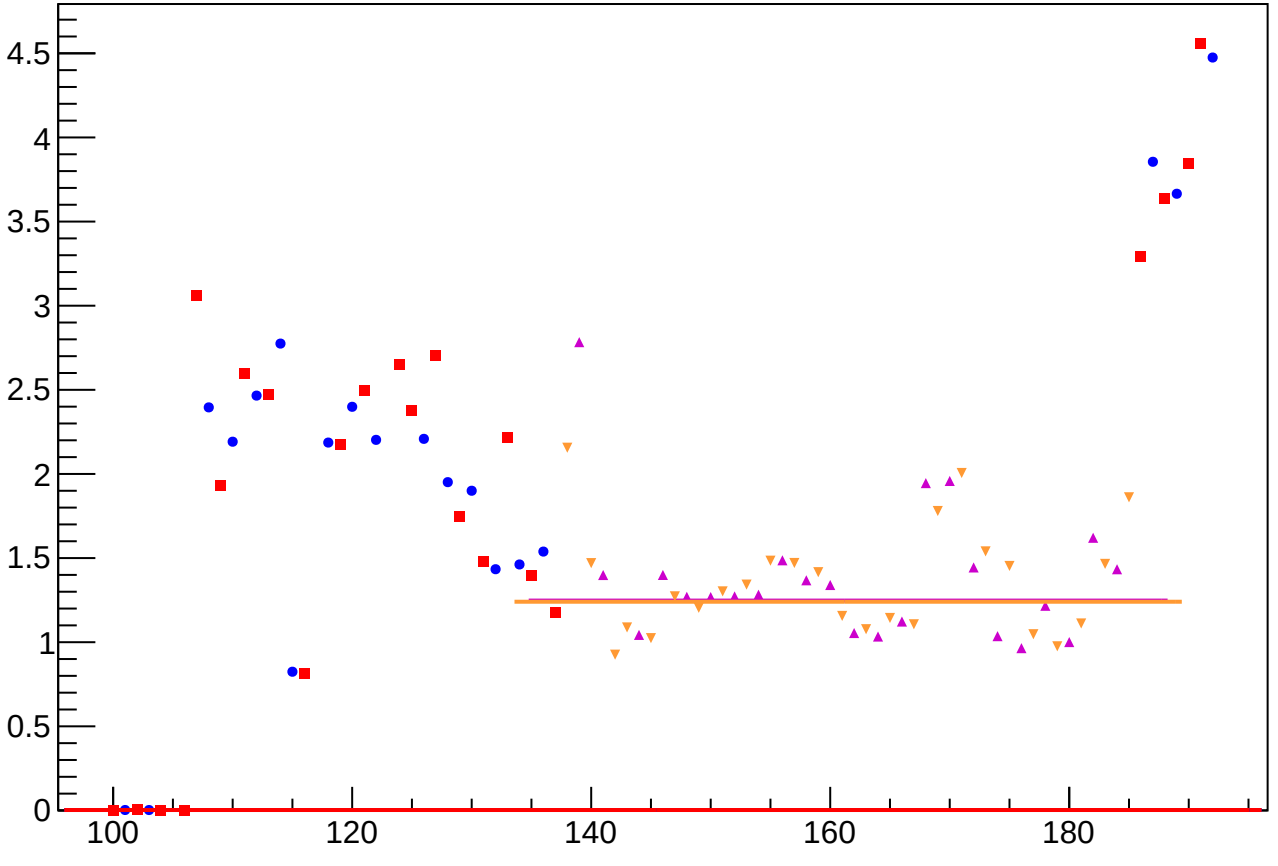
Right: 131.818+/-0.000 χ^2/NDF: 793011225882810

In: 139.328+/-0.000 χ^2/NDF:304278053123.8/41

Out: 125.384+/-0.000 χ^2/NDF:774407202197758.

All: 131.810+/-0.000 χ^2/NDF: 79349363993

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: 13477265.6/22

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

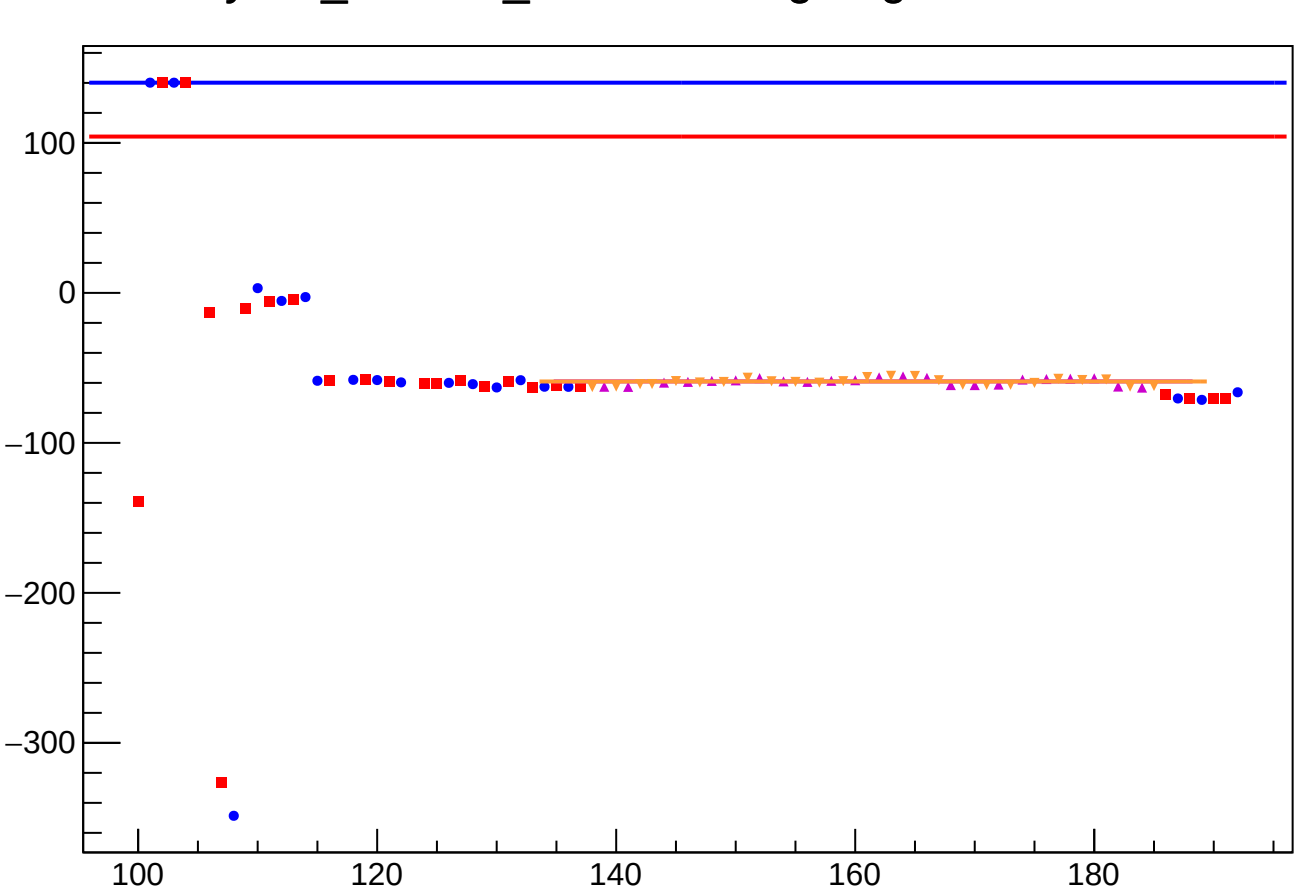
Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

Right: 0.003+/-0.000 χ^2/NDF: 26314215.3/41

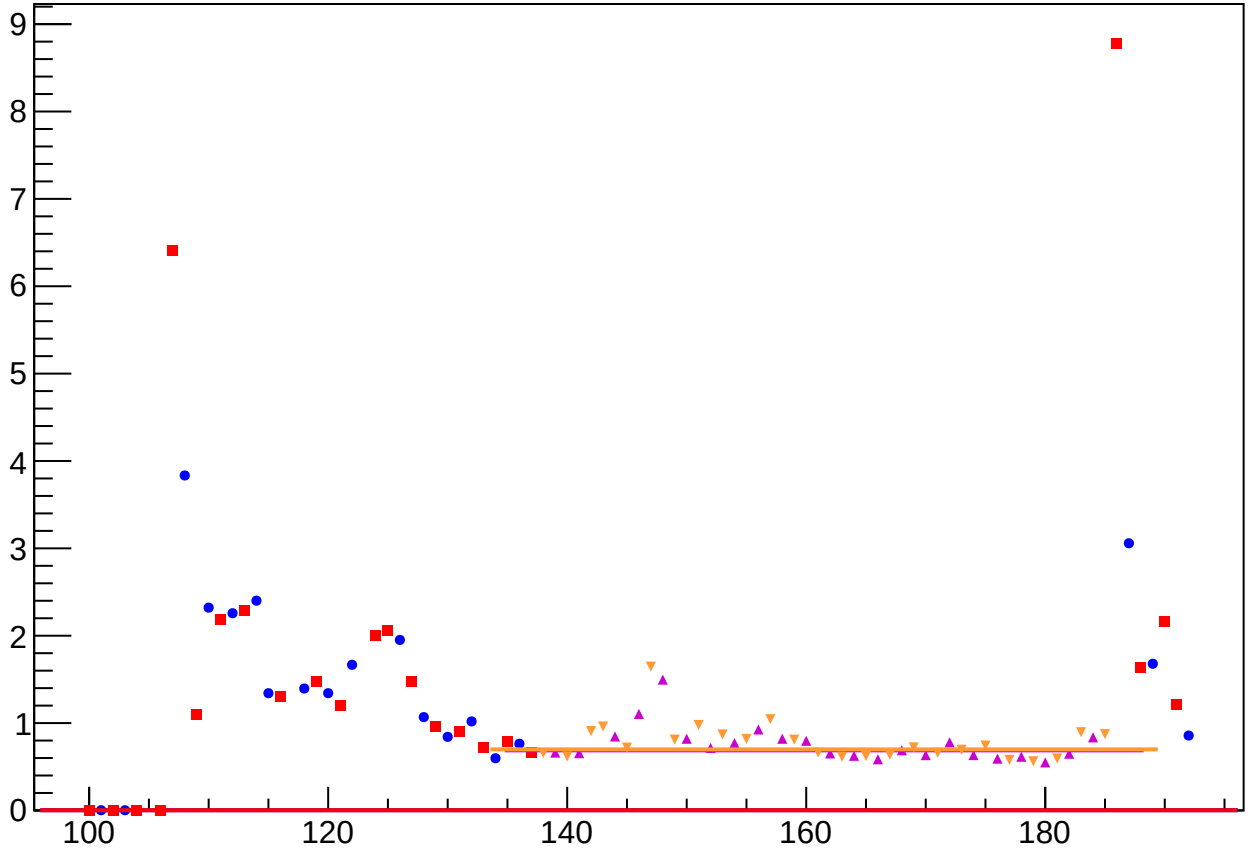
In: 0.003+/-0.000 χ^2/NDF:42602432.5/41

Out: 0.003+/-0.000 χ^2/NDF:44777540.4/47

All: 0.003+/-0.000 χ^2/NDF: 87380225.7/89


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
120
140
160
180
Right In: 140.142+/-0.000 χ²/NDF: 236985576130.5/18
Left Out: -59.066+/-0.000 χ²/NDF:177511074.0/24
Right Out: 104.224+/-0.000 χ²/NDF: 1257417804279006.2/22
Left In: -59.020+/-0.000 χ²/NDF:179236820.4/22
Left: -59.043+/-0.000 χ²/NDF: 356781901.8/47
Right: 120.831+/-0.000 χ²/NDF: 138095552054292
In: 140.106+/-0.000 χ²/NDF:1512572886749.5/41
Out: 104.198+/-0.000 χ²/NDF:125828945543097
All: 120.800+/-0.000 χ²/NDF: 13830536911

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: 13774308.2/22

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

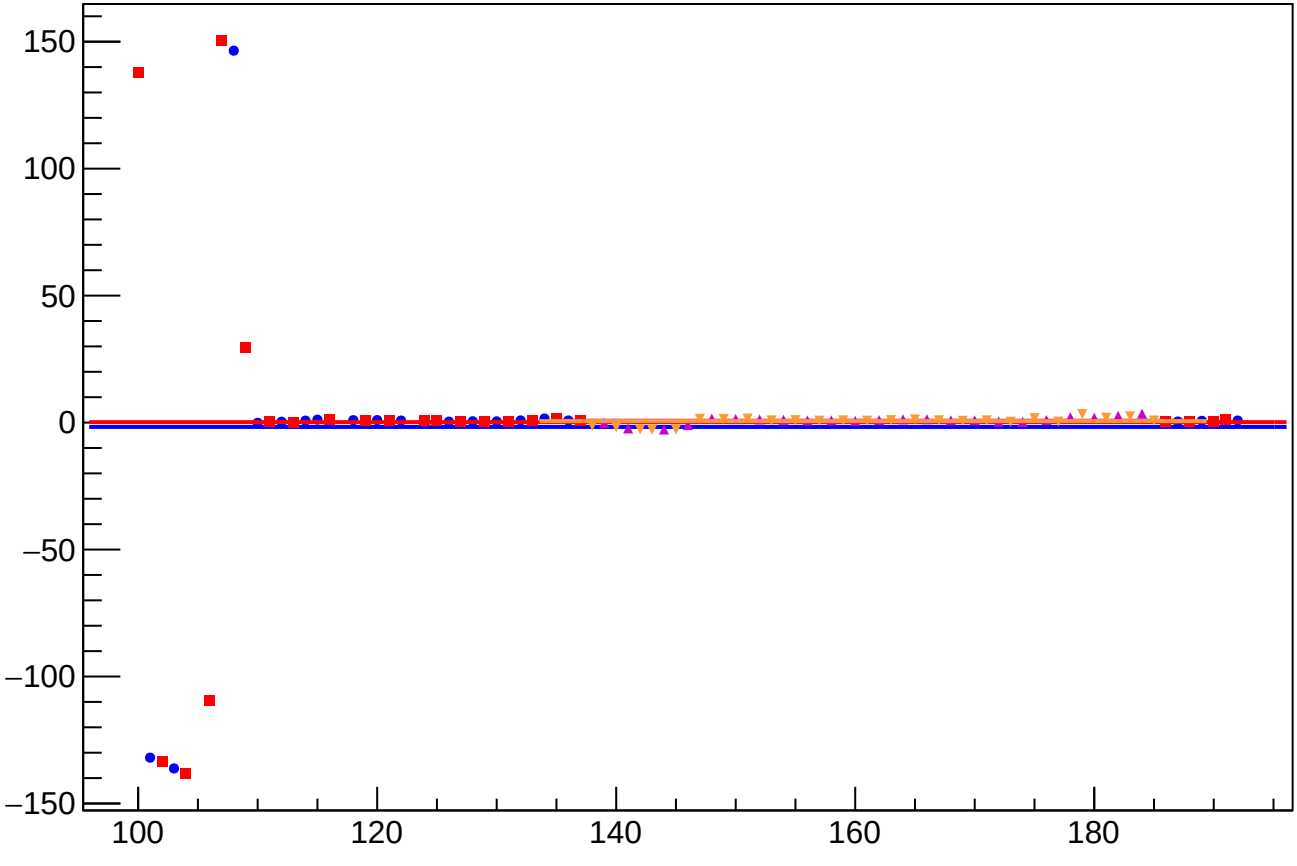
Right: 0.003+/-0.000 χ^2/NDF: 27060371.9/41

In: 0.003+/-0.000 χ^2/NDF:44592149.6/41

Out: 0.003+/-0.000 χ^2/NDF:46832108.8/47

All: 0.003+/-0.000 χ^2/NDF: 91424718.8/89

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: 0.183+/-0.000 χ^2/NDF: 3611358109.0/22

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

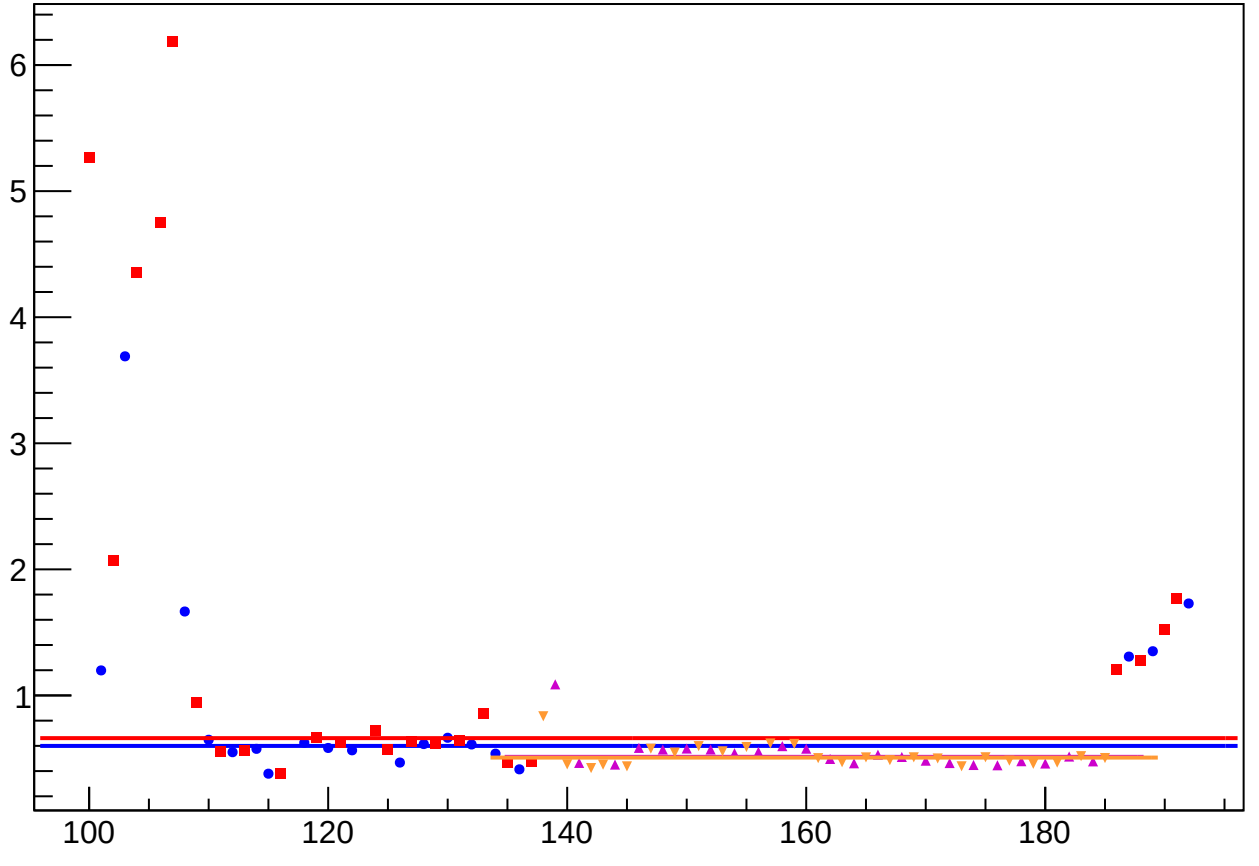
Right: -0.838+/-0.000 χ^2/NDF: 13530755365.9/41

In: 0.167+/-0.000 χ^2/NDF:10073983216.7/41

Out: 0.500+/-0.000 χ^2/NDF:3767509110.2/47

All: 0.336+/-0.000 χ^2/NDF: 13845582247.3/8

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: 0.661+/-0.000 χ^2/NDF: 3532492.0/22

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

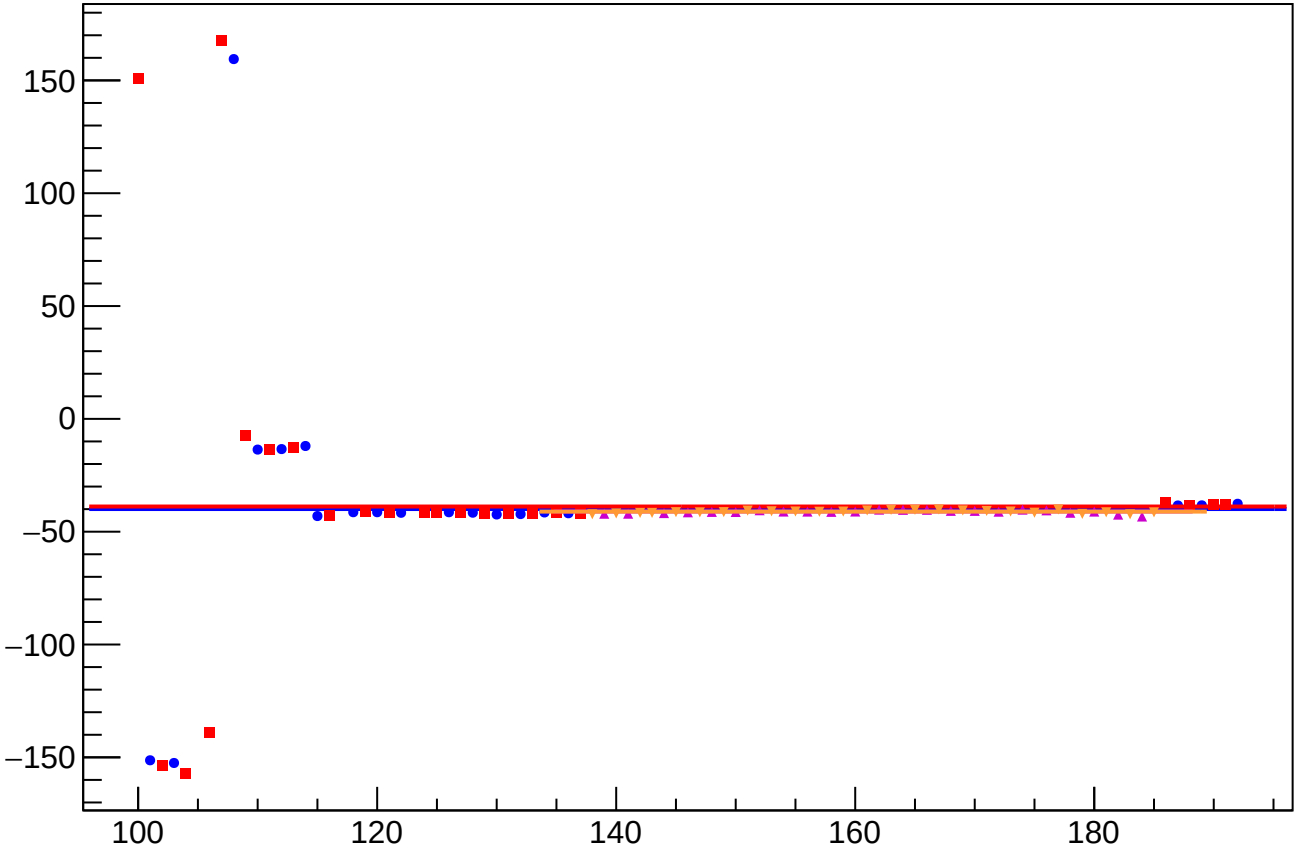
Right: 0.628+/-0.000 χ^2/NDF: 6474969.9/41

In: 0.533+/-0.000 χ^2/NDF:3831525.3/41

Out: 0.537+/-0.000 χ^2/NDF:4642361.7/47

All: 0.535+/-0.000 χ^2/NDF: 8474925.0/89

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: -38.844+/-0.000 χ^2/NDF: 2485272363.6/22

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

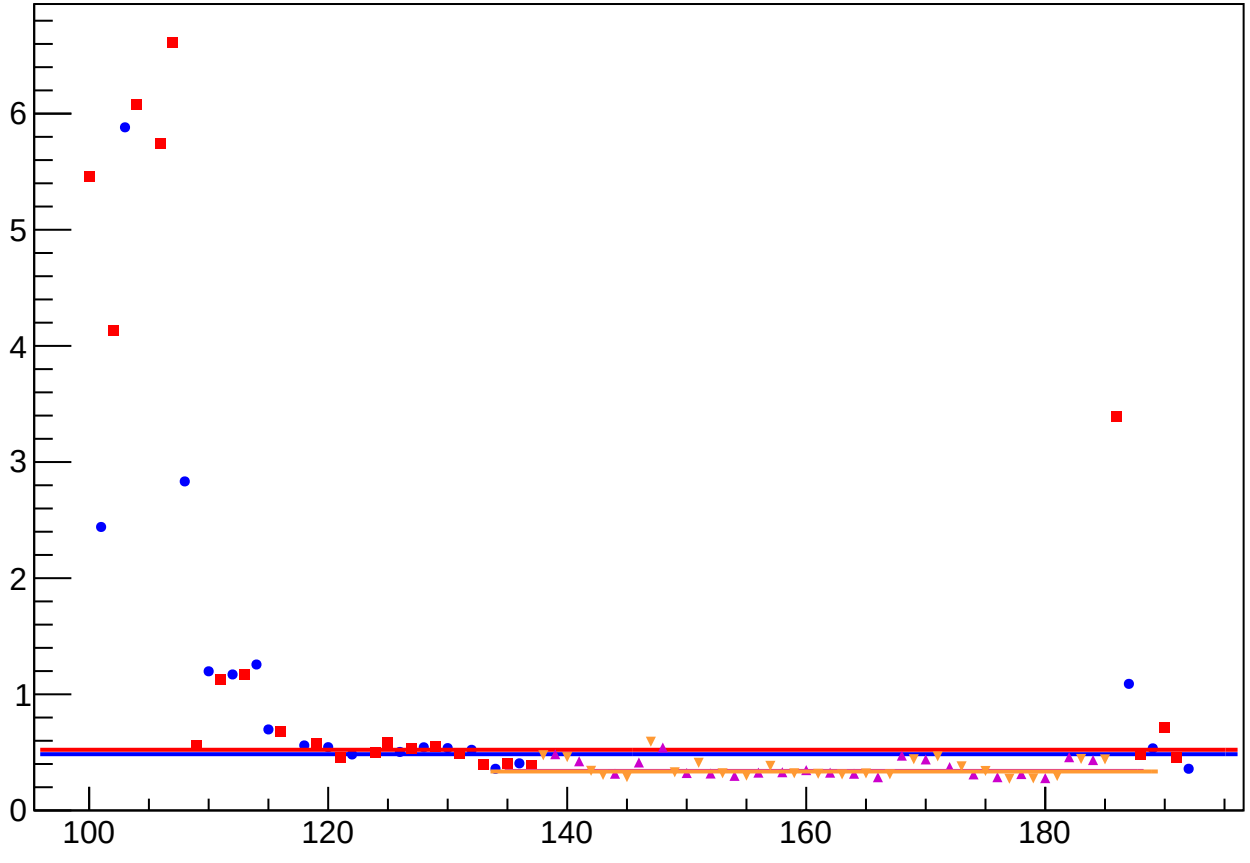
Right: -39.439+/-0.000 χ^2/NDF: 6012357962.3/41

In: -40.860+/-0.000 χ^2/NDF:3589295471.9/41

Out: -40.800+/-0.000 χ^2/NDF:2649165809.7/47

All: -40.829+/-0.000 χ^2/NDF: 6238784019.9/

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: 0.523+/-0.000 χ^2/NDF: 3881423.1/22

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

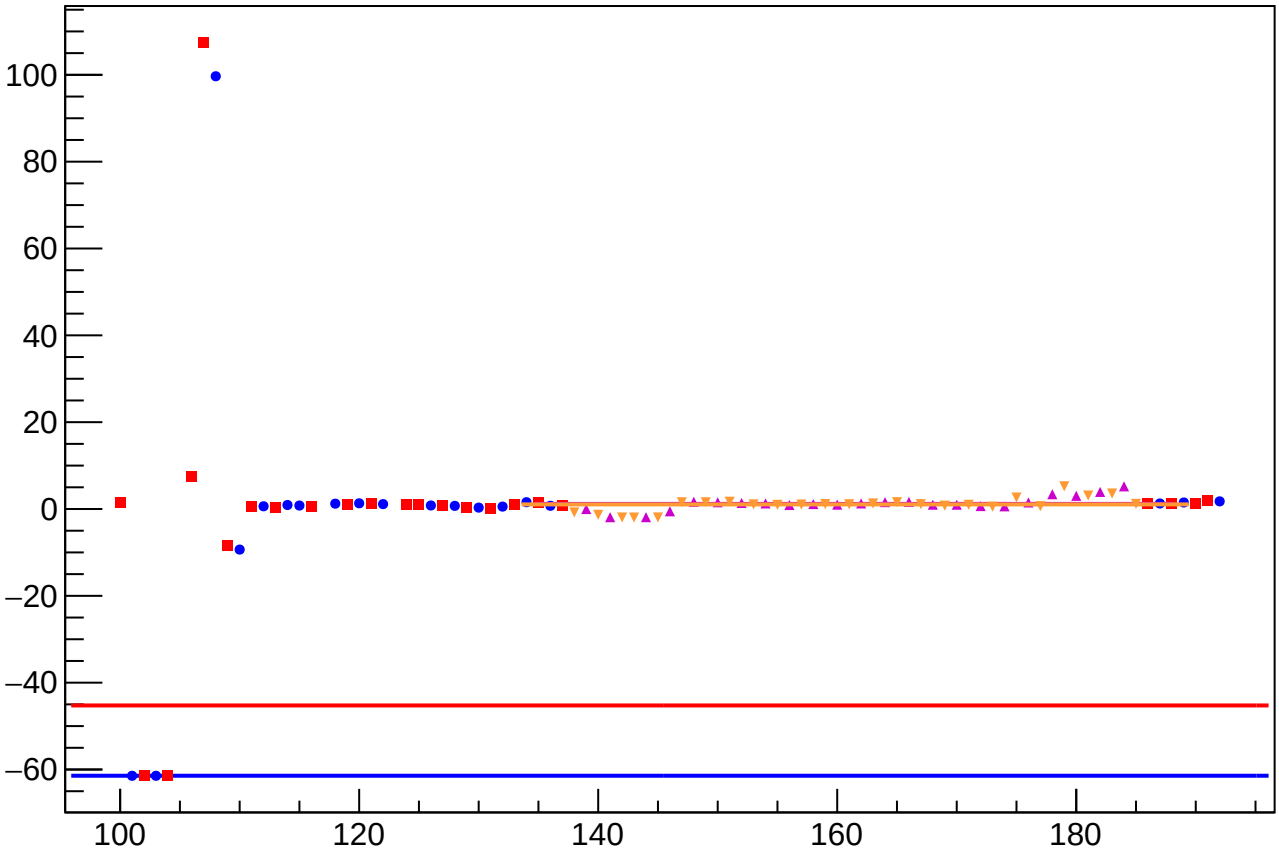
Right: 0.502+/-0.000 χ^2/NDF: 7257109.3/41

In: 0.363+/-0.000 χ^2/NDF:5355626.4/41

Out: 0.360+/-0.000 χ^2/NDF:6551670.1/47

All: 0.361+/-0.000 χ^2/NDF: 11908875.3/89

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: 357873247589545.4/22

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

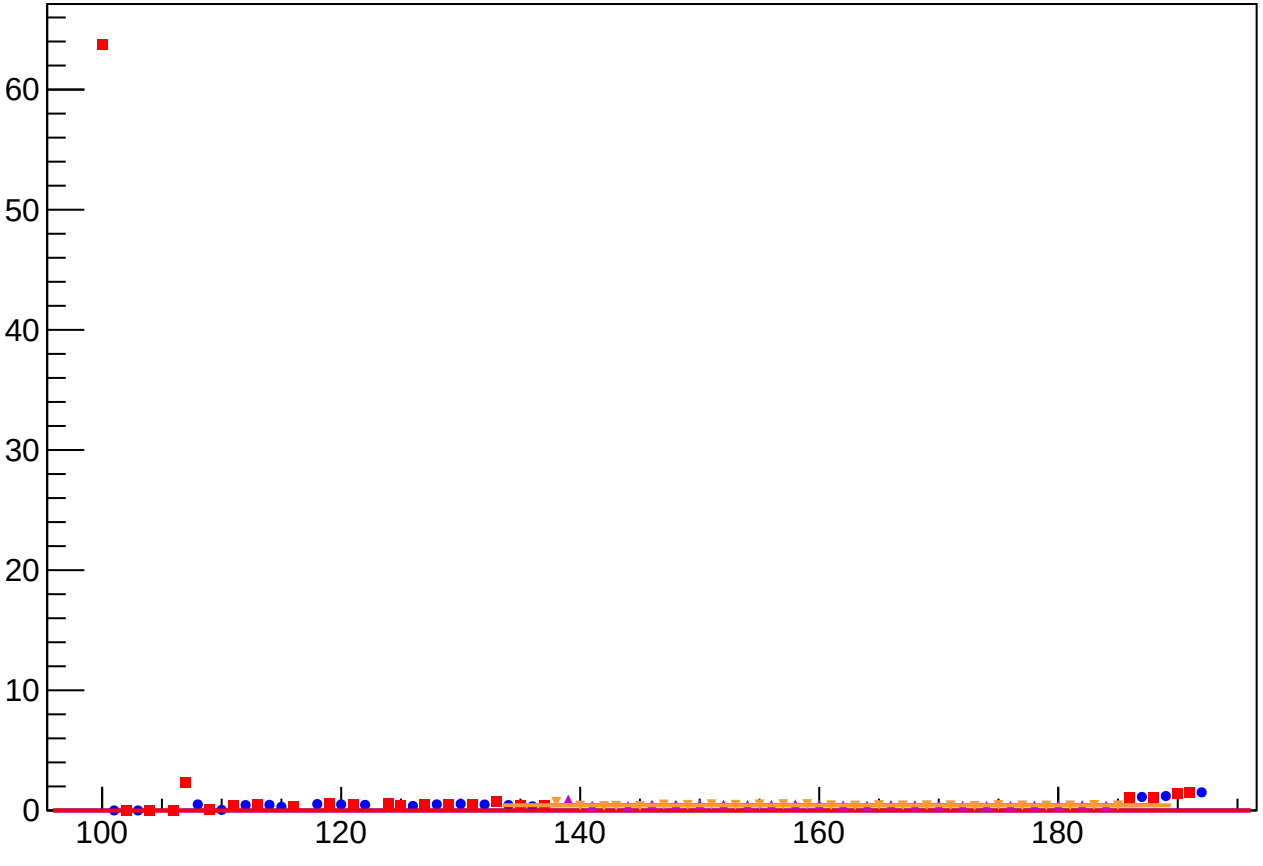
Right: -52.749+/-0.000 χ^2/NDF: 409128538370098

In: -61.422+/-0.000 χ^2/NDF:579971386090.0/41

Out: -45.236+/-0.000 χ^2/NDF:358054530759397.9

All: -52.738+/-0.000 χ^2/NDF: 409597952550

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: 13077921.8/22

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

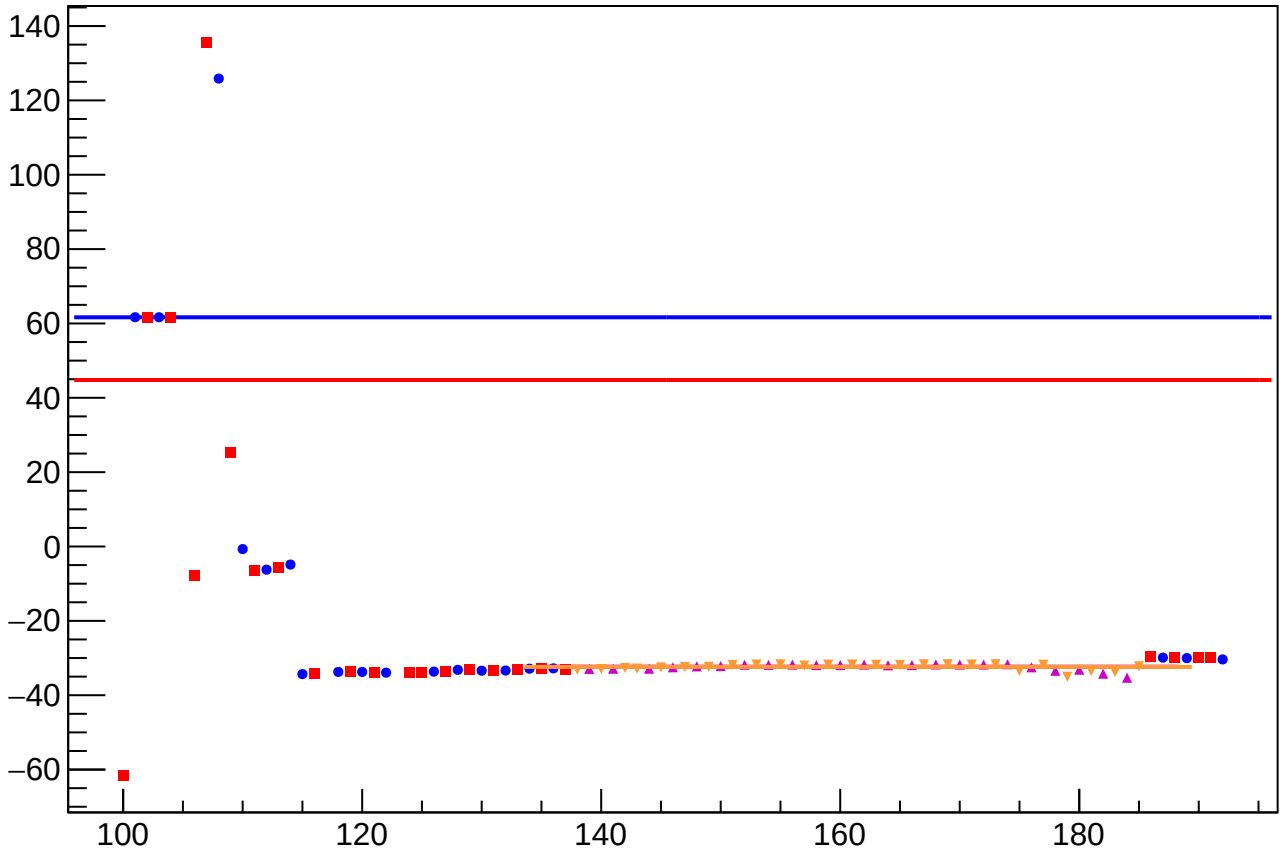
Right: 0.001+/-0.000 χ^2/NDF: 25502362.4/41

In: 0.002+/-0.000 χ^2/NDF:42566150.8/41

Out: 0.002+/-0.000 χ^2/NDF:44844474.5/47

All: 0.002+/-0.000 χ^2/NDF: 87410653.0/89

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: 44.784+/-0.000 χ^2/NDF: 3661445084516 61.4/22

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

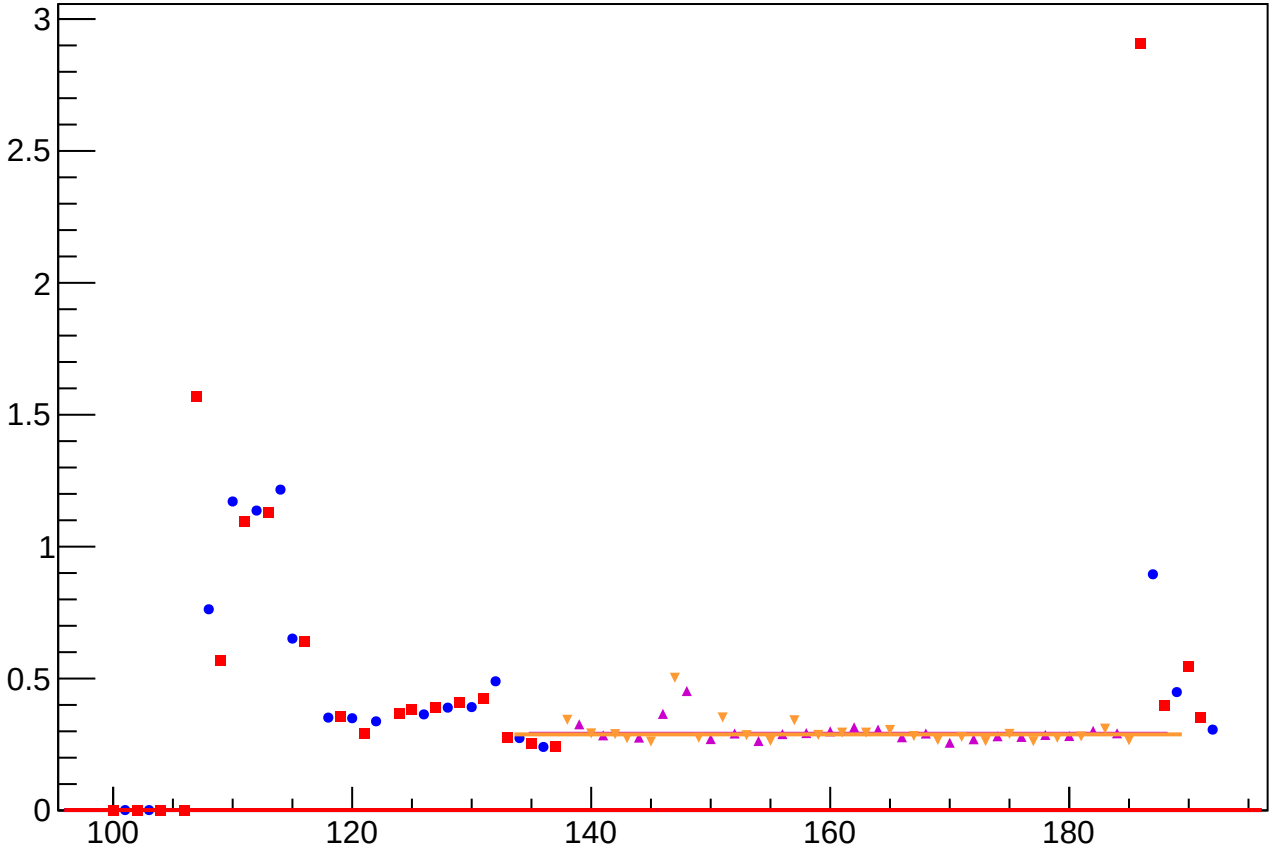
Right: 52.686+/-0.000 χ^2/NDF: 417716150269047.

In: 61.601+/-0.000 χ^2/NDF:2300351688833.2/41

Out: 44.739+/-0.000 χ^2/NDF:367463043688682.4

All: 52.636+/-0.000 χ^2/NDF: 420810681868

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: 14256952.0/22

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

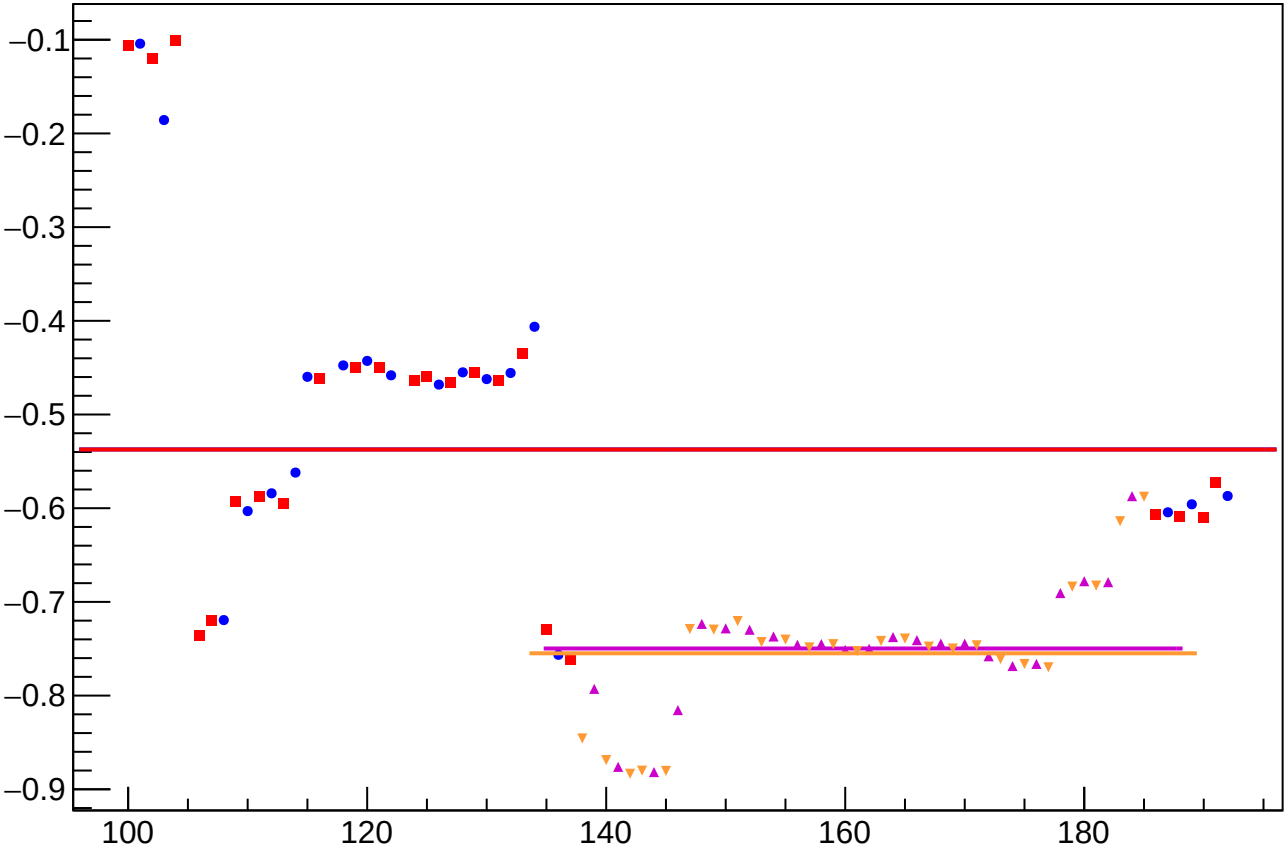
Right: 0.002+/-0.000 χ^2/NDF: 28470465.1/41

In: 0.002+/-0.000 χ^2/NDF:49120729.5/41

Out: 0.002+/-0.000 χ^2/NDF:51215905.1/47

All: 0.002+/-0.000 χ^2/NDF: 100336642.0/89

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: -0.537+/-0.000 χ^2/NDF: 217880780.6/22

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

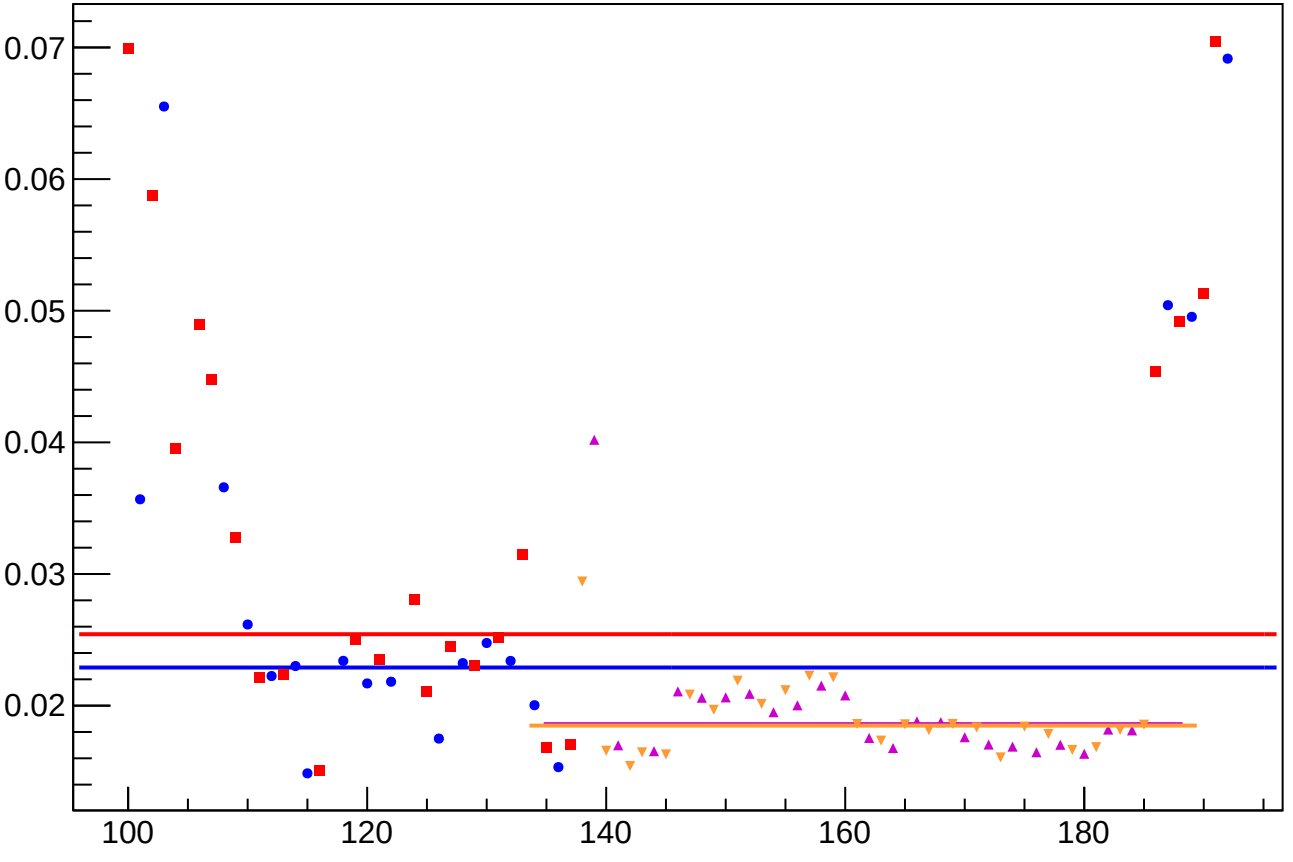
Right: -0.537+/-0.000 χ^2/NDF: 520280304.9/41

In: -0.703+/-0.000 χ^2/NDF:868244596.9/41

Out: -0.714+/-0.000 χ^2/NDF:841497853.6/47

All: -0.708+/-0.000 χ^2/NDF: 1713054512.0/8

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: 0.025+/-0.000 χ^2/NDF: 2281283.5/22

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

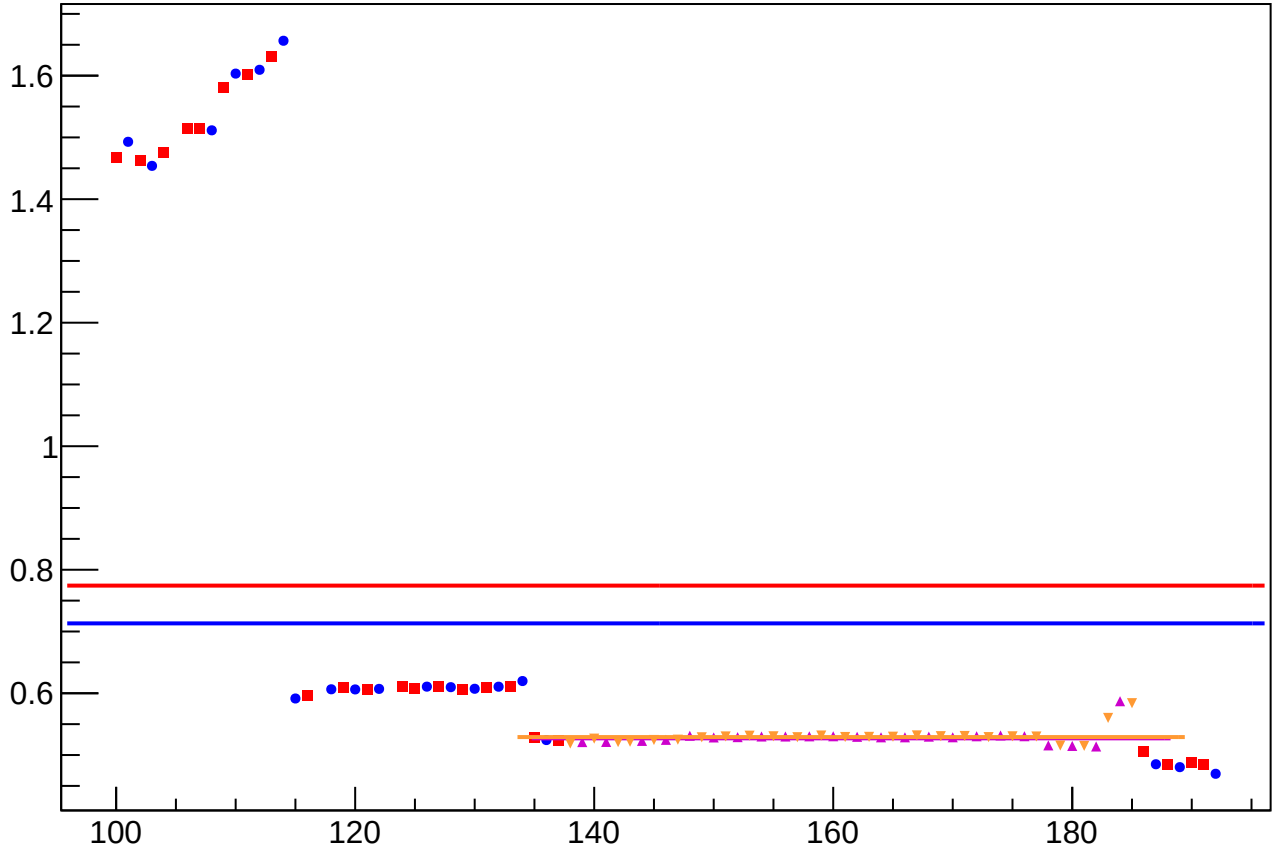
Right: 0.024+/-0.000 χ^2/NDF: 4808473.2/41

In: 0.020+/-0.000 χ^2/NDF:3542162.1/41

Out: 0.020+/-0.000 χ^2/NDF:3610121.7/47

All: 0.020+/-0.000 χ^2/NDF: 7155914.8/89

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: 0.774+/-0.000 χ^2/NDF: 5115197830.7/22

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

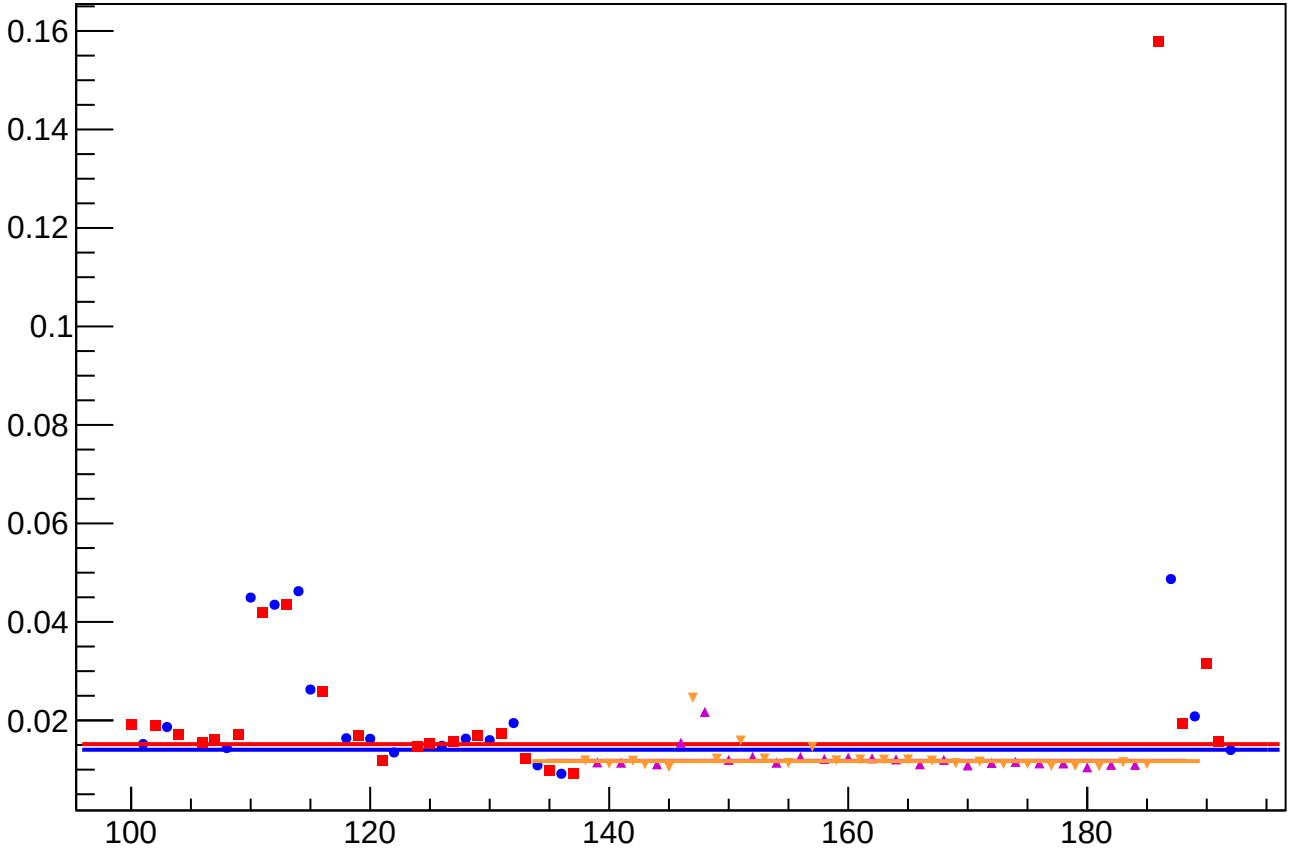
Right: 0.742+/-0.000 χ^2/NDF: 9897489191.3/41

In: 0.570+/-0.000 χ^2/NDF:5731385919.5/41

Out: 0.577+/-0.000 χ^2/NDF:6727024853.4/47

All: 0.574+/-0.000 χ^2/NDF: 12463521488.1/8

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: 2352198.4/22

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

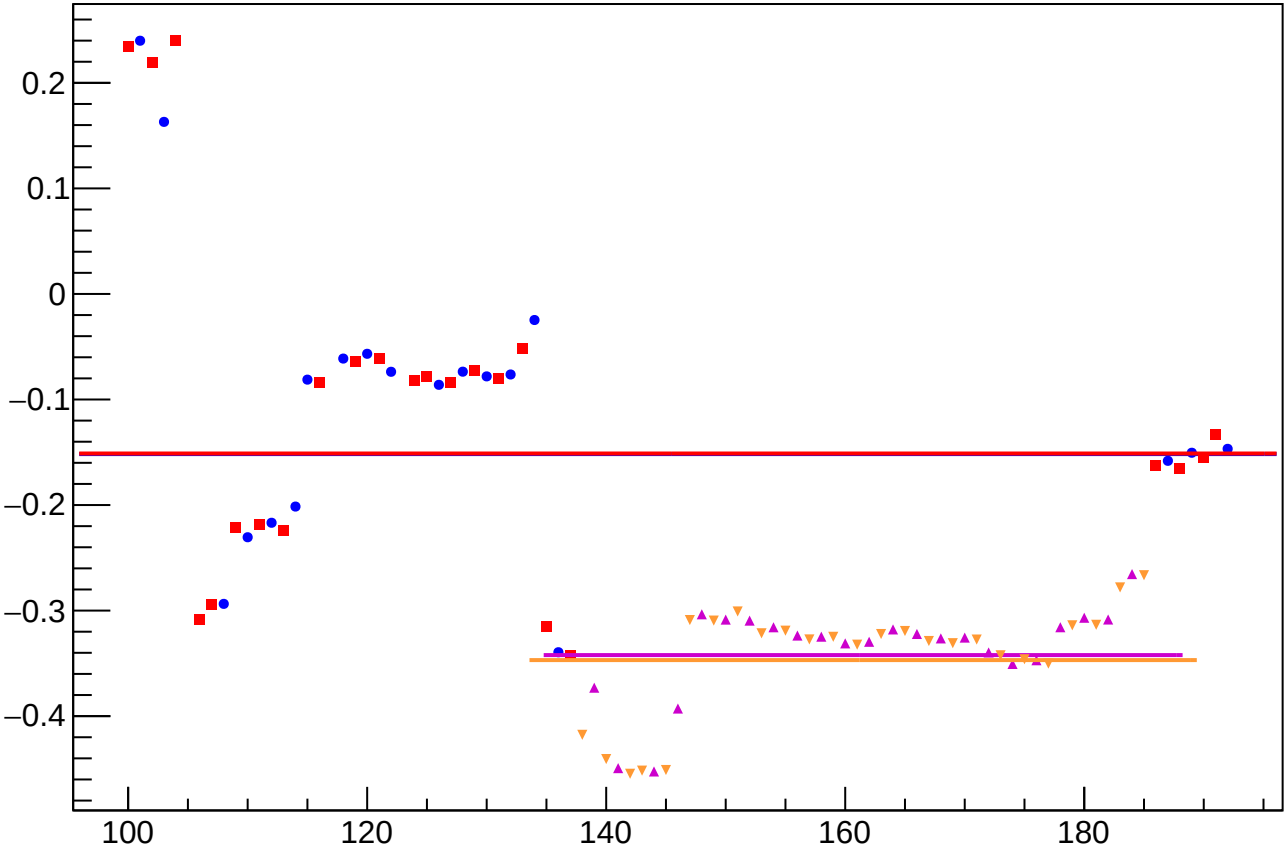
Right: 0.015+/-0.000 χ^2/NDF: 4329872.7/41

In: 0.012+/-0.000 χ^2/NDF:2744133.4/41

Out: 0.012+/-0.000 χ^2/NDF:3681889.5/47

All: 0.012+/-0.000 χ^2/NDF: 6427982.9/89

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: 199527919.3/22

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

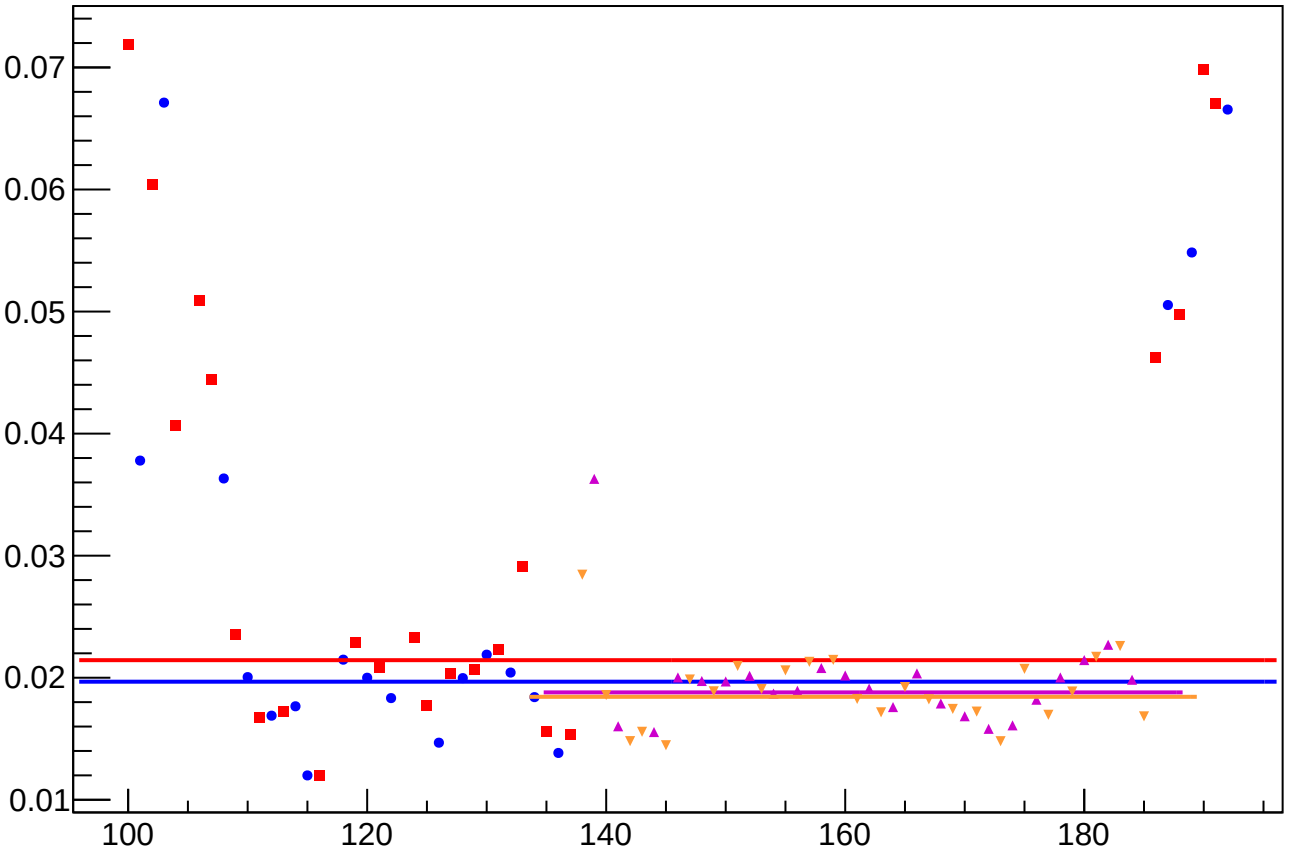
Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

Right: -0.151+/-0.000 χ^2/NDF: 476330392.4/41

In: -0.290+/-0.000 χ^2/NDF:783880064.1/41

Out: -0.301+/-0.000 χ^2/NDF:746551040.0/47

All: -0.296+/-0.000 χ^2/NDF: 1533666453.6/8



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: 0.021+/-0.000 χ^2/NDF: 2969071.3/22

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

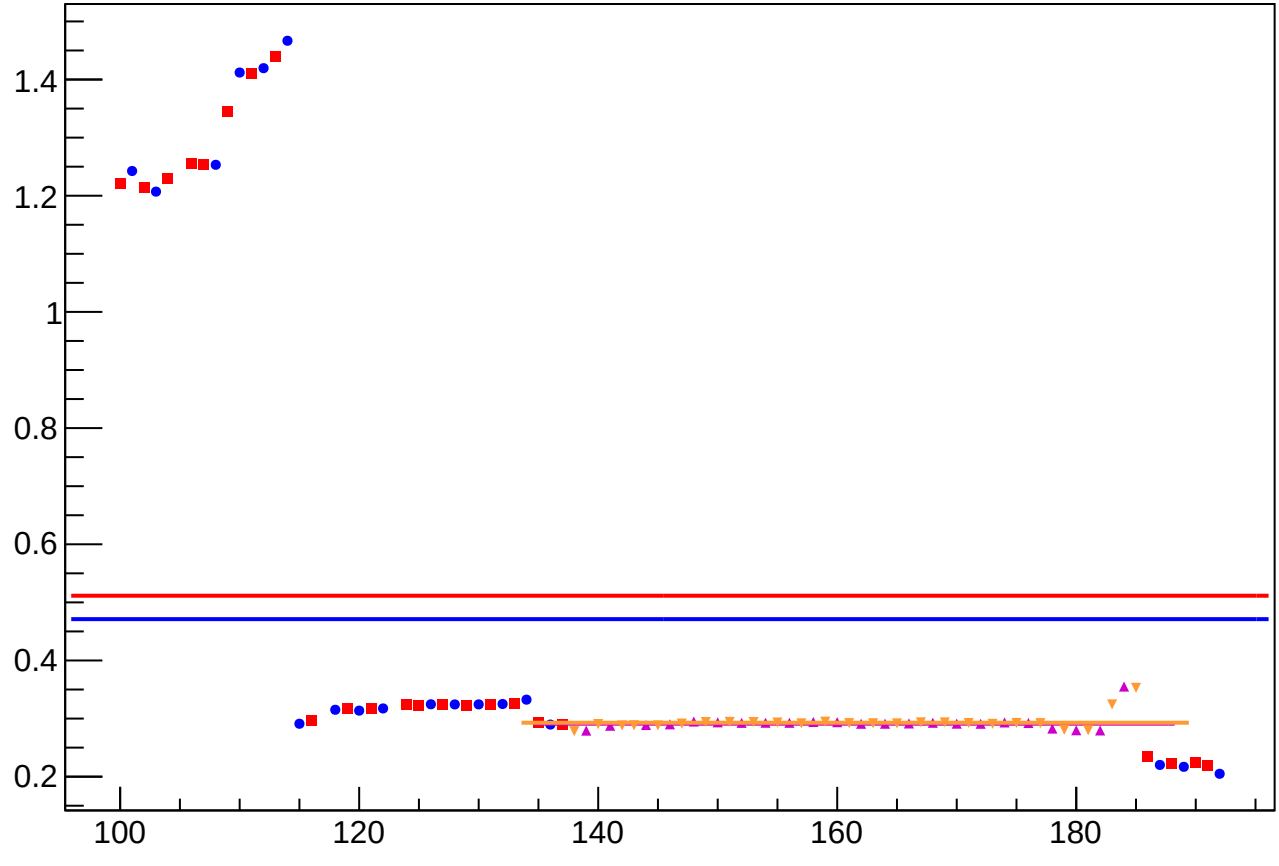
Right: 0.021+/-0.000 χ^2/NDF: 5927249.6/41

In: 0.019+/-0.000 χ^2/NDF:3647746.5/41

Out: 0.019+/-0.000 χ^2/NDF:3807272.2/47

All: 0.019+/-0.000 χ^2/NDF: 7455691.1/89

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: 0.511+/-0.000 χ^2/NDF: 7346585042.0/22

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

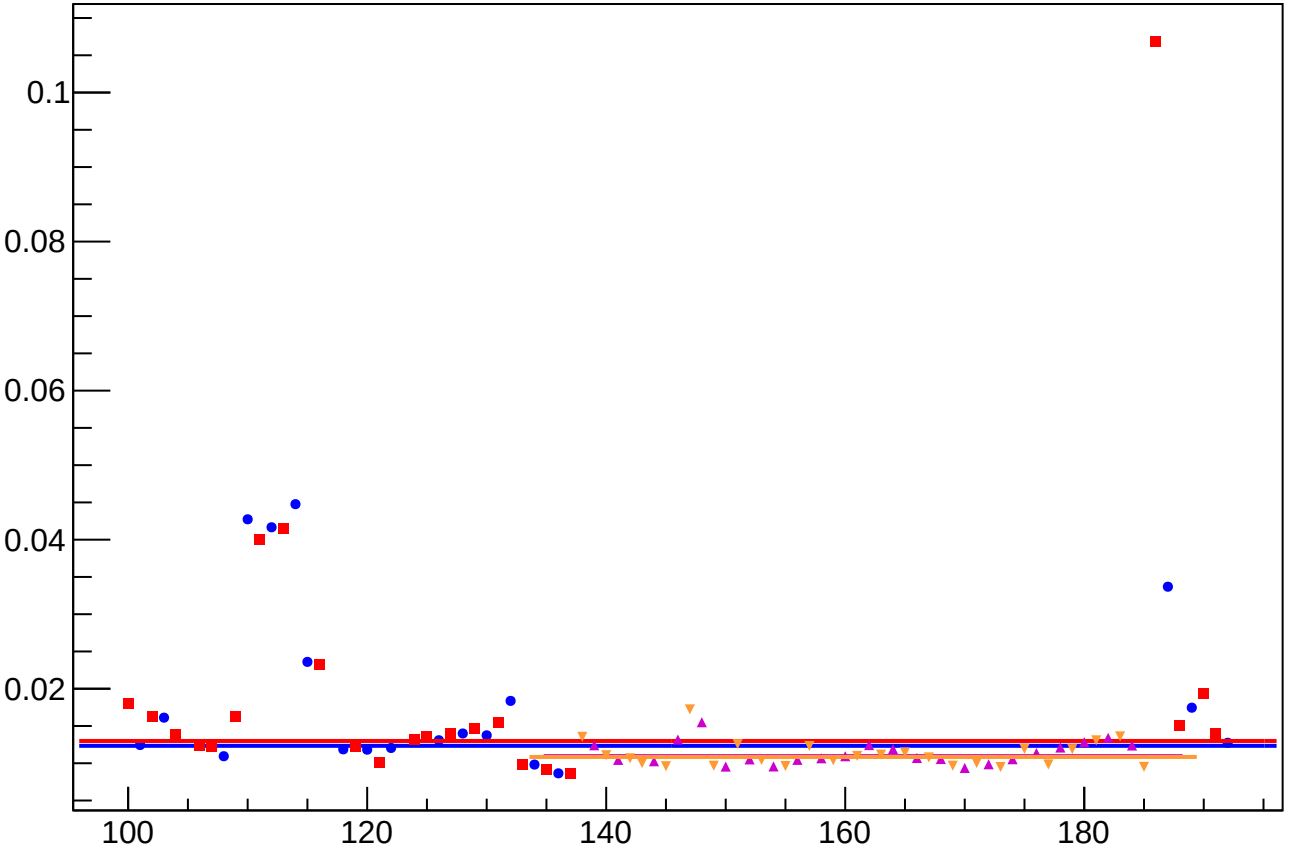
Right: 0.490+/-0.000 χ^2/NDF: 14326982469.7/41

In: 0.337+/-0.000 χ^2/NDF:8138216176.7/41

Out: 0.342+/-0.000 χ^2/NDF:9038828957.0/47

All: 0.339+/-0.000 χ^2/NDF: 17179824138.3/8

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: 2148128.3/22

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

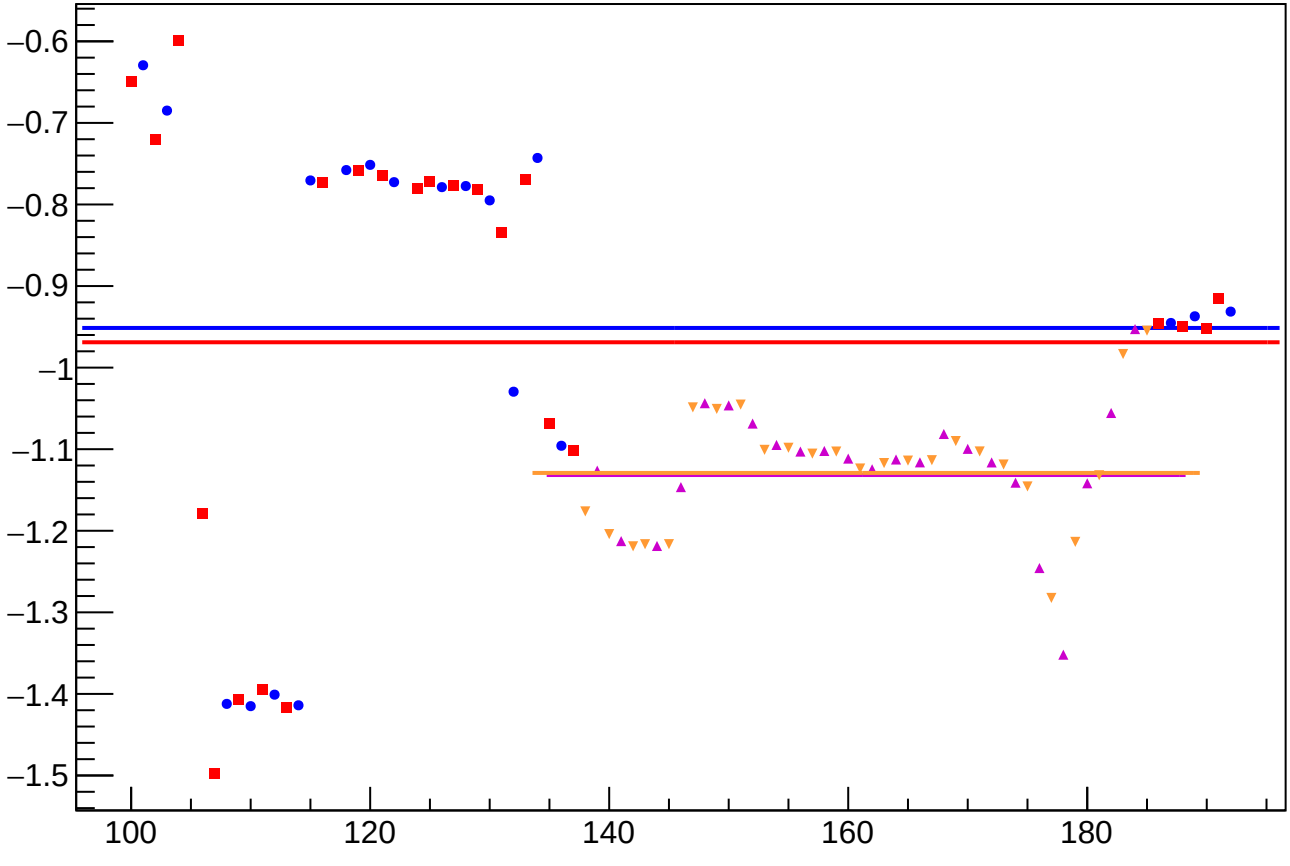
Right: 0.013+/-0.000 χ^2/NDF: 3900685.1/41

In: 0.011+/-0.000 χ^2/NDF:2384737.0/41

Out: 0.011+/-0.000 χ^2/NDF:3125205.7/47

All: 0.011+/-0.000 χ^2/NDF: 5510031.8/89

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: -0.969+/-0.000 χ^2/NDF: 714982181.2/22

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

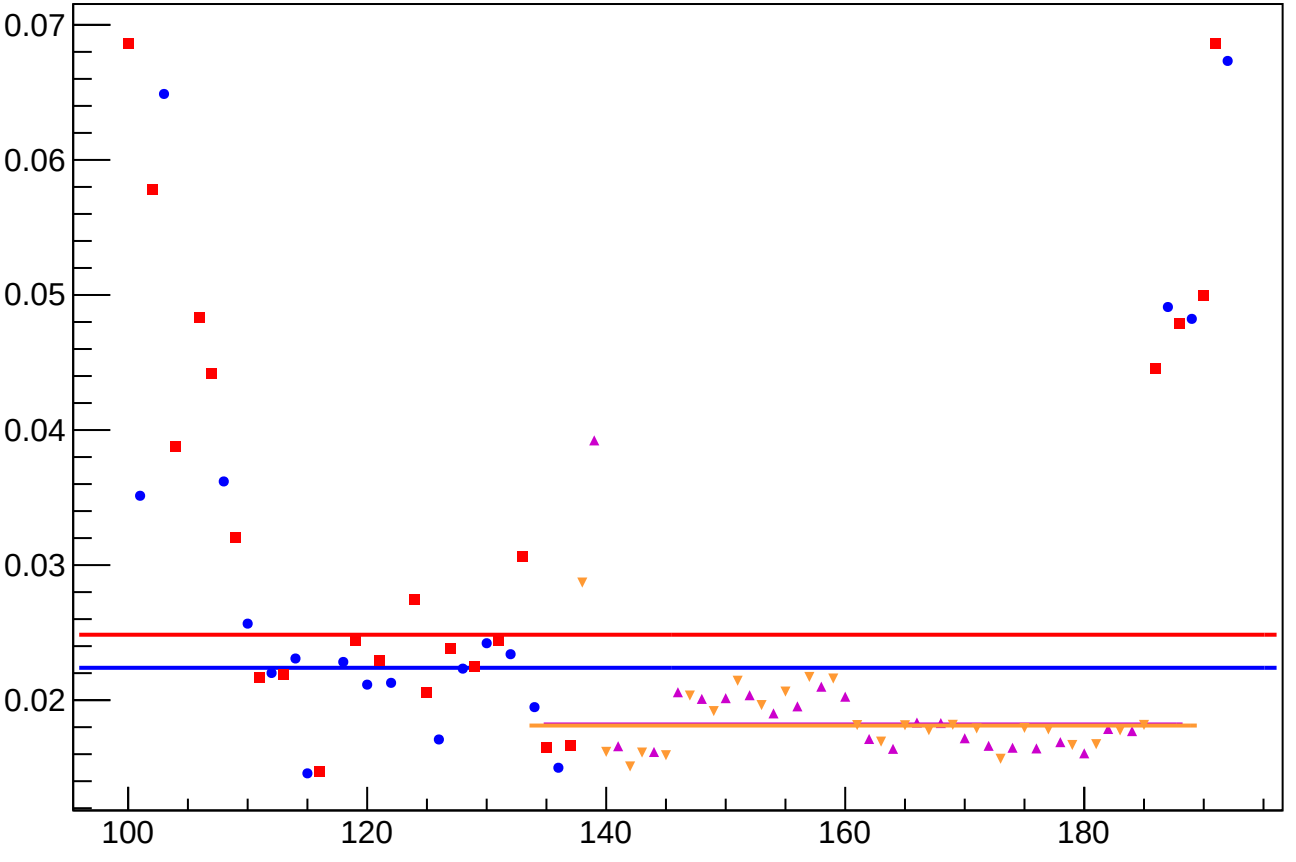
Right: -0.960+/-0.000 χ^2/NDF: 1416418174.8/41

In: -1.092+/-0.000 χ^2/NDF:1279352174.1/41

Out: -1.099+/-0.000 χ^2/NDF:1185795112.8/47

All: -1.095+/-0.000 χ^2/NDF: 2466515623.6/8

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: 0.025+/-0.000 χ^2/NDF: 2281991.1/22

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

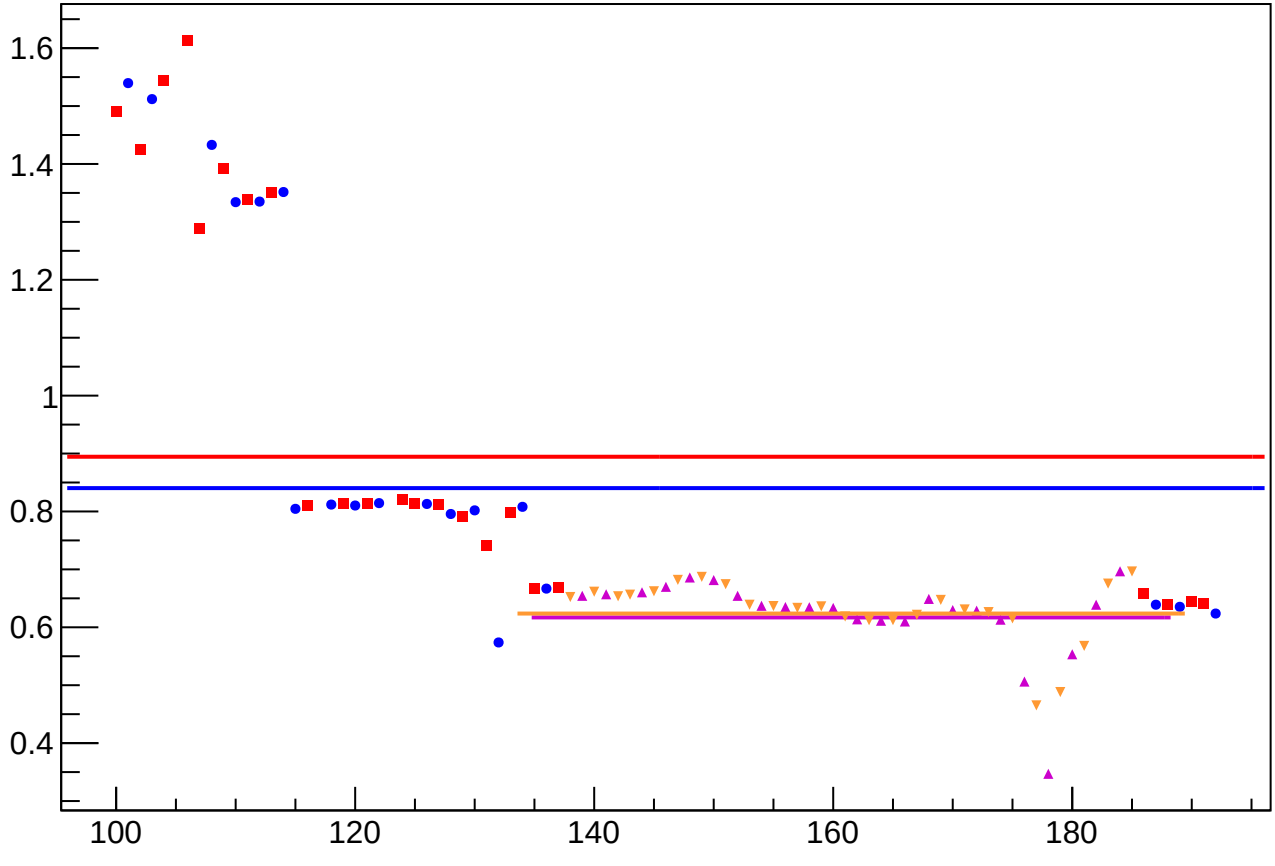
Right: 0.024+/-0.000 χ^2/NDF: 4813966.3/41

In: 0.019+/-0.000 χ^2/NDF:3530792.6/41

Out: 0.019+/-0.000 χ^2/NDF:3576135.2/47

All: 0.019+/-0.000 χ^2/NDF: 7111180.4/89

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: 0.894+/-0.000 χ^2/NDF: 3034005924.4/22

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

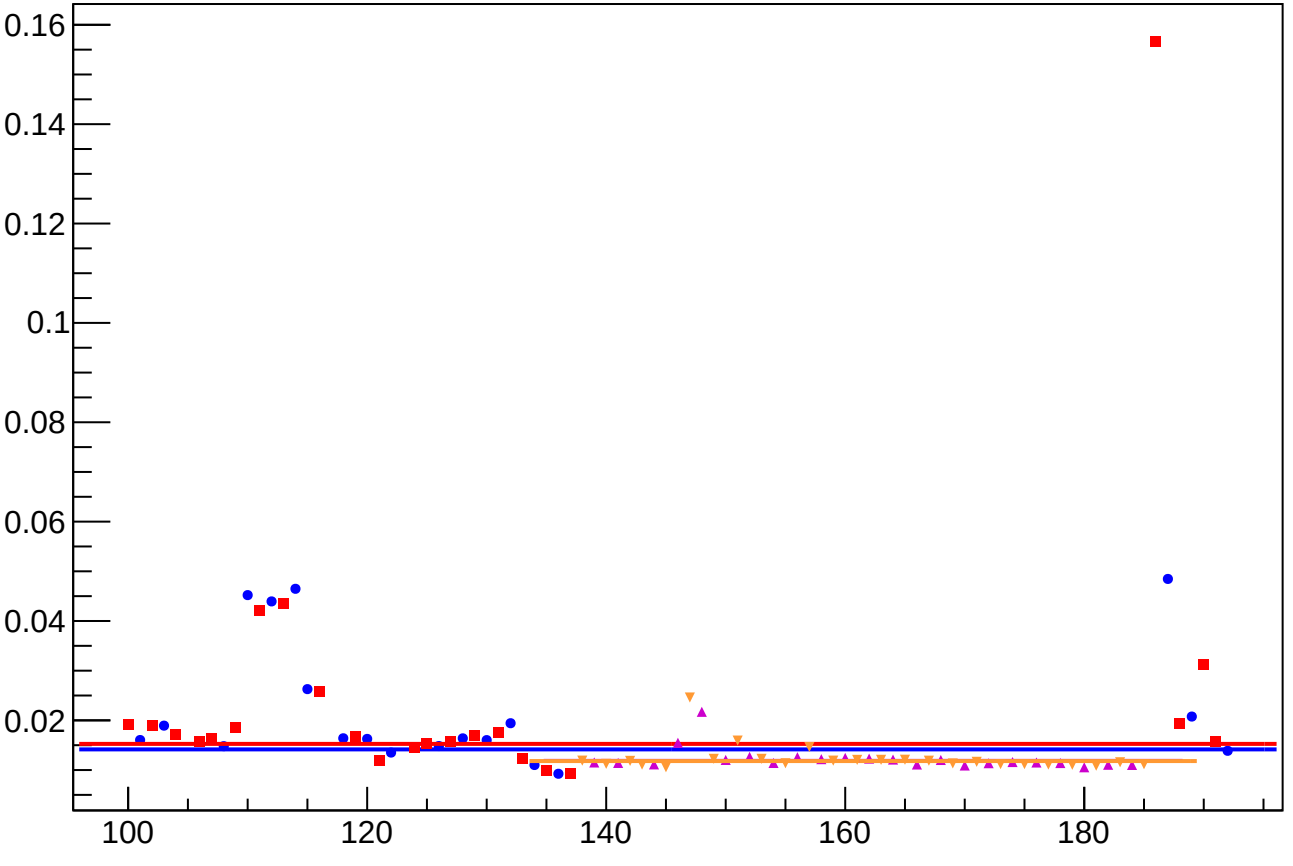
Right: 0.866+/-0.000 χ^2/NDF: 6200923045.7/41

In: 0.668+/-0.000 χ^2/NDF:5178680004.9/41

Out: 0.677+/-0.000 χ^2/NDF:5351614854.2/47

All: 0.672+/-0.000 χ^2/NDF: 10537459436.1/8

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: 2351144.6/22

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

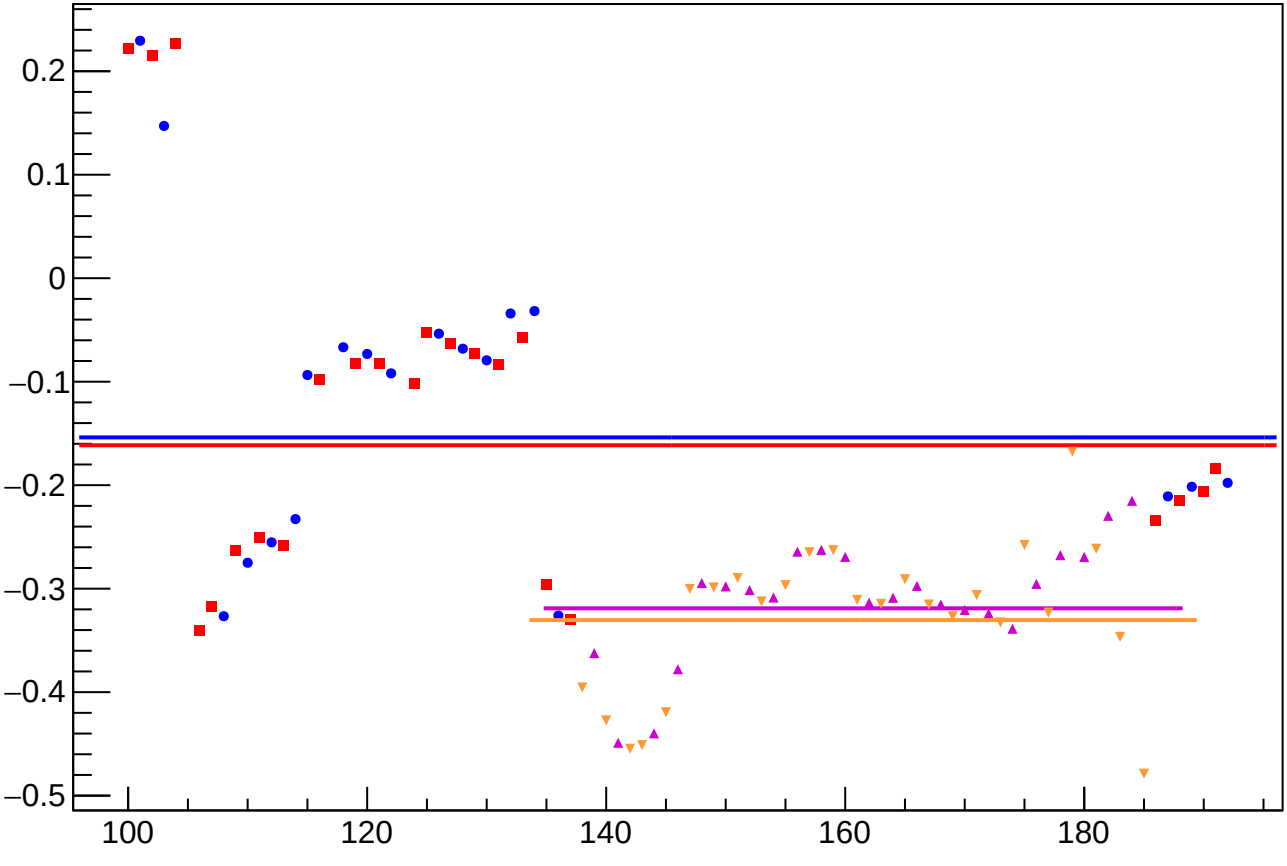
Right: 0.015+/-0.000 χ^2/NDF: 4315753.0/41

In: 0.012+/-0.000 χ^2/NDF:2734345.7/41

Out: 0.012+/-0.000 χ^2/NDF:3649591.7/47

All: 0.012+/-0.000 χ^2/NDF: 6386242.0/89

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: -0.161+/-0.000 χ^2/NDF: 197810546.1/22

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

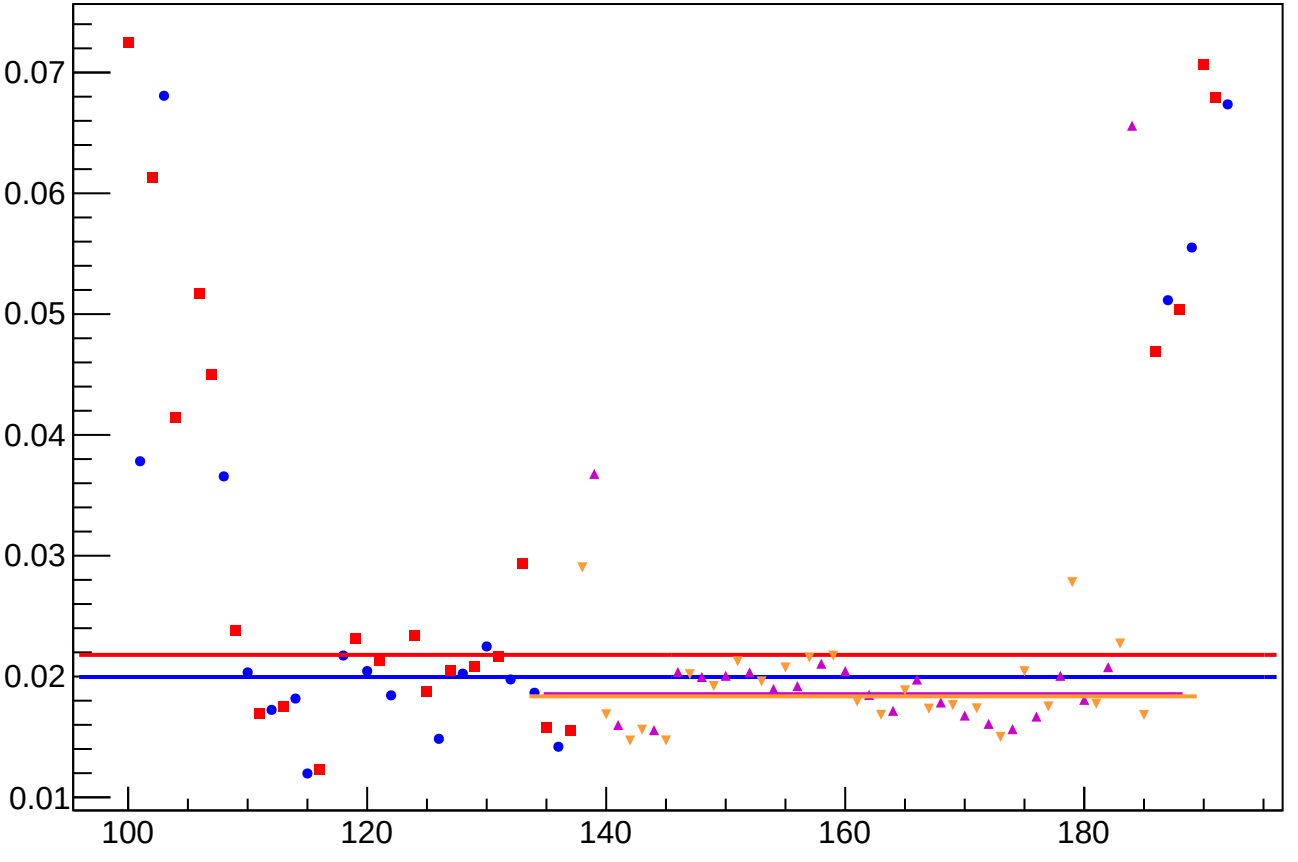
Right: -0.157+/-0.000 χ^2/NDF: 473517303.4/41

In: -0.275+/-0.000 χ^2/NDF:714529985.4/41

Out: -0.291+/-0.000 χ^2/NDF:684984403.2/47

All: -0.283+/-0.000 χ^2/NDF: 1407028305.9/8

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: 0.022+/-0.000 χ^2/NDF: 2944459.6/22

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

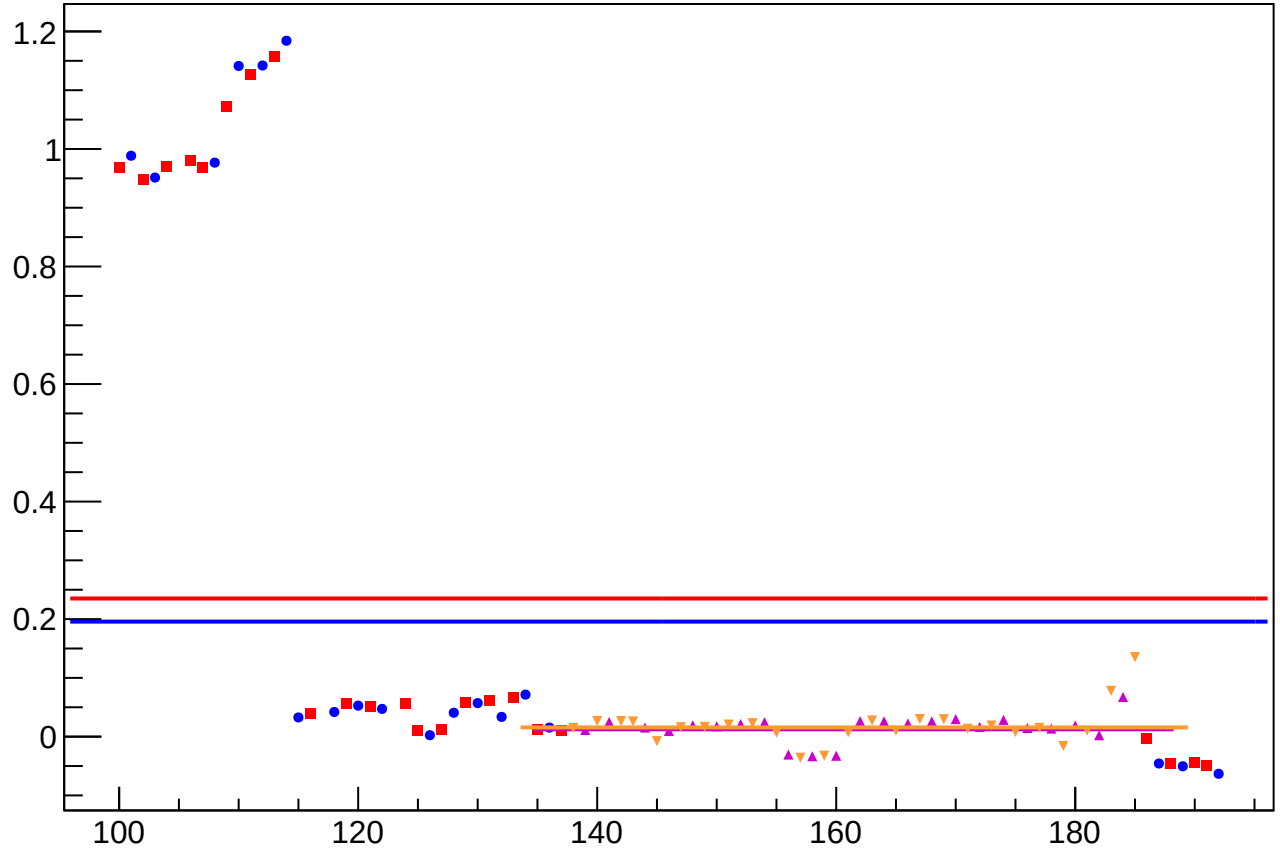
Right: 0.021+/-0.000 χ^2/NDF: 5879044.3/41

In: 0.019+/-0.000 χ^2/NDF:3864918.6/41

Out: 0.019+/-0.000 χ^2/NDF:3933267.3/47

All: 0.019+/-0.000 χ^2/NDF: 7801699.5/89

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: 0.235+/-0.000 χ^2/NDF: 7342043242.4/22

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

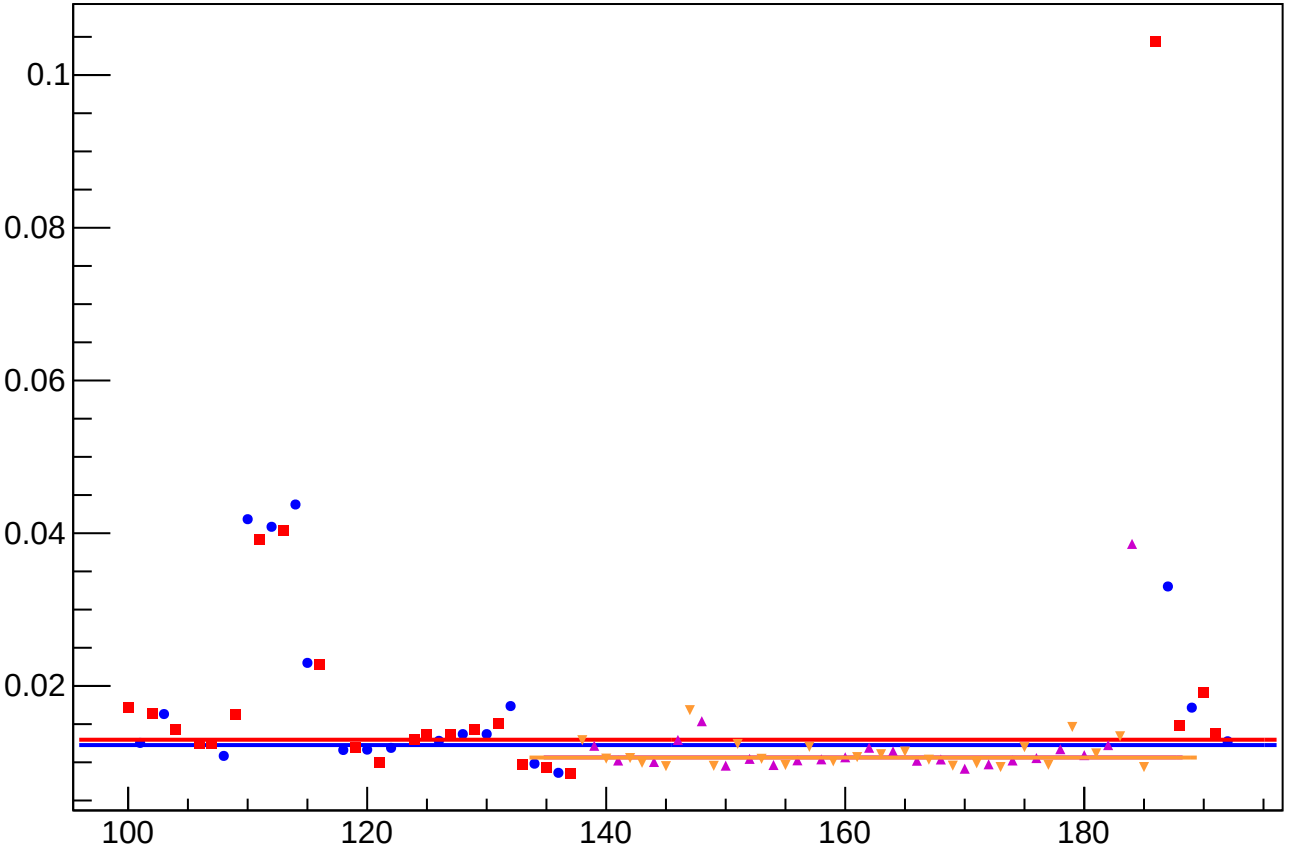
Right: 0.215+/-0.000 χ^2/NDF: 14478315806.8/41

In: 0.058+/-0.000 χ^2/NDF:8413486834.5/41

Out: 0.065+/-0.000 χ^2/NDF:9148320966.2/47

All: 0.061+/-0.000 χ^2/NDF: 17566296150.9/8

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: 2092827.0/22

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

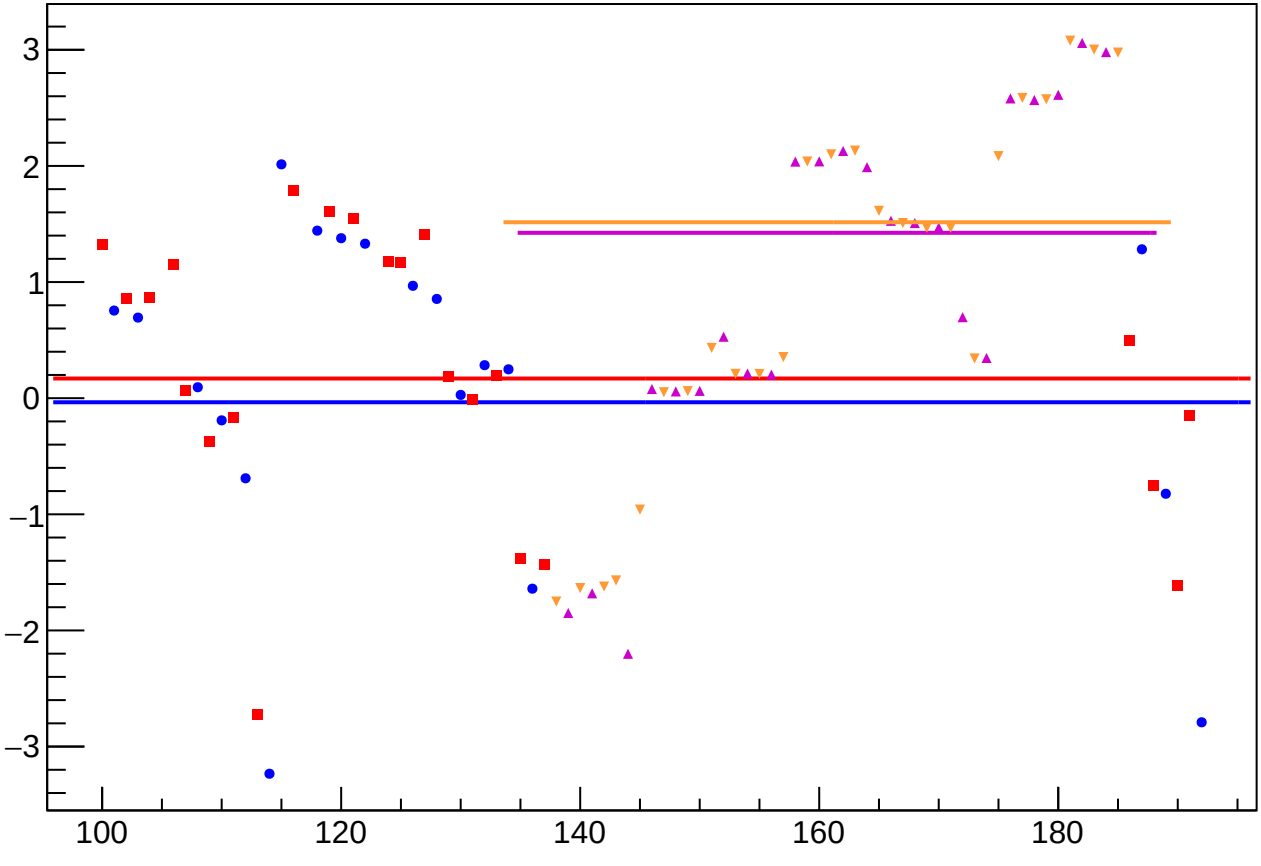
Right: 0.013+/-0.000 χ^2/NDF: 3811556.8/41

In: 0.011+/-0.000 χ^2/NDF:2462223.9/41

Out: 0.011+/-0.000 χ^2/NDF:3100556.8/47

All: 0.011+/-0.000 χ^2/NDF: 5564820.0/89

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: 0.169+/-0.000 χ^2/NDF: 2506824227.7/22

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

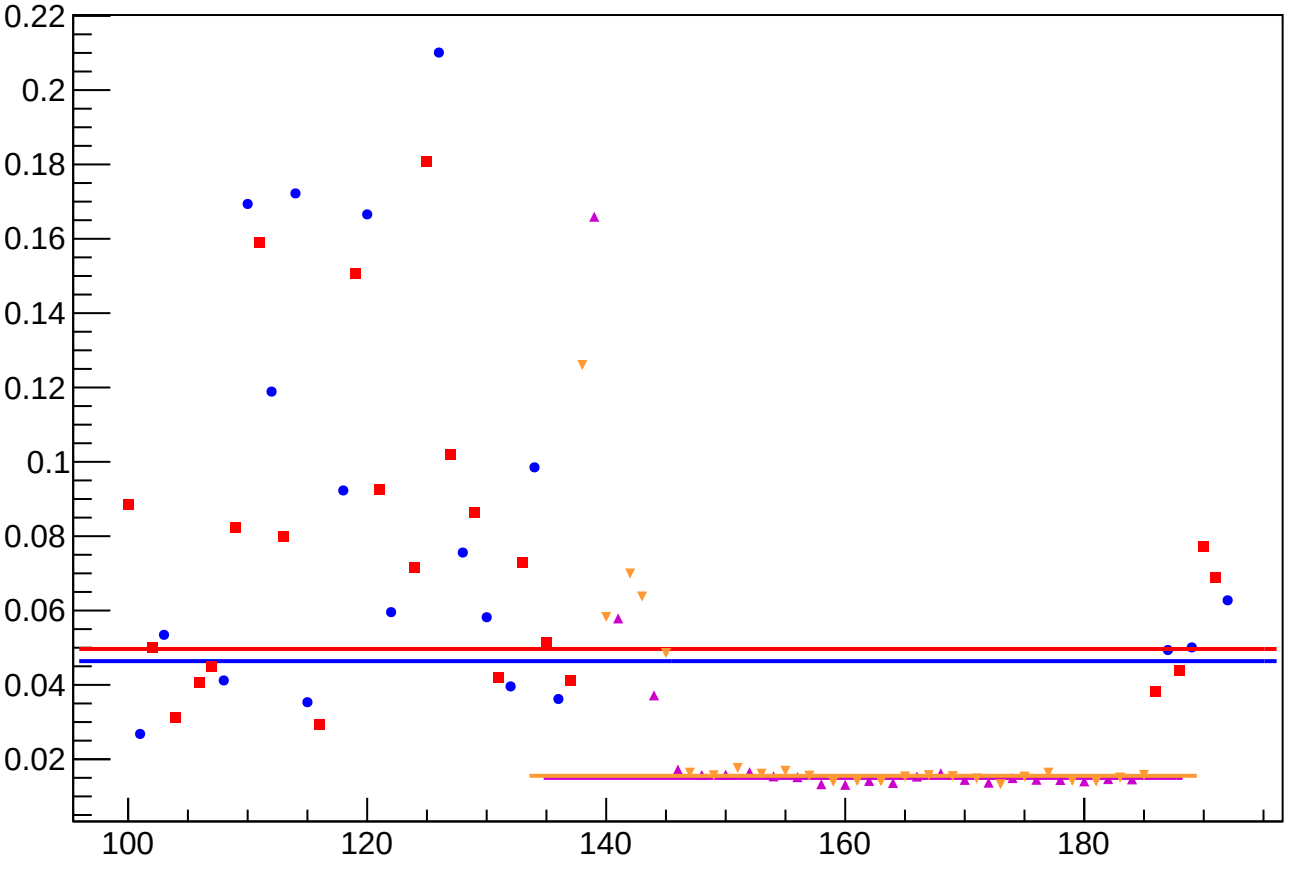
Right: 0.067+/-0.000 χ^2/NDF: 6537277843.2/41

In: 1.368+/-0.000 χ^2/NDF:77084840445.2/41

Out: 1.463+/-0.000 χ^2/NDF:74569410239.2/47

All: 1.415+/-0.000 χ^2/NDF: 151939190835.8

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: 0.050+/-0.000 χ^2/NDF: 2593818.9/22

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

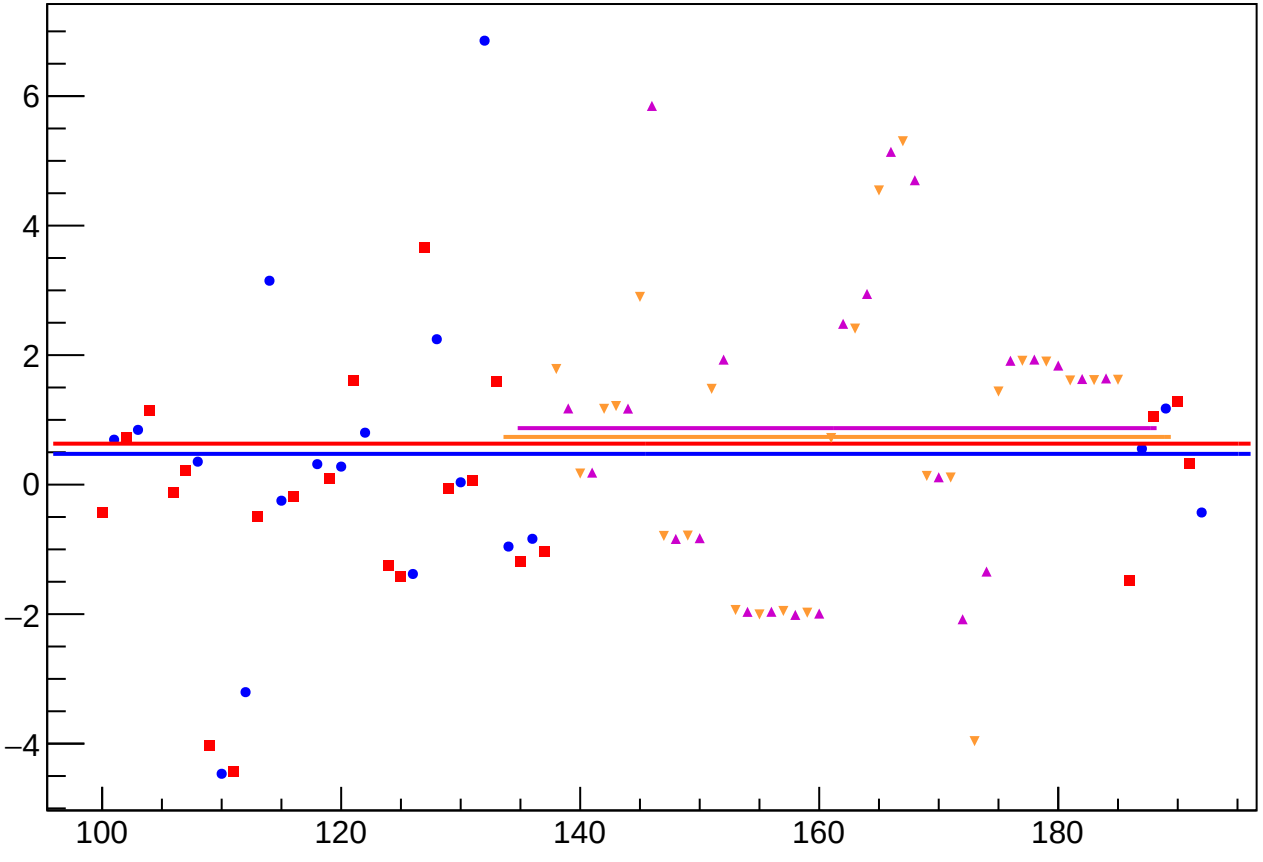
Right: 0.048+/-0.000 χ^2/NDF: 5566031.5/41

In: 0.016+/-0.000 χ^2/NDF:9818657.9/41

Out: 0.017+/-0.000 χ^2/NDF:11070623.8/47

All: 0.017+/-0.000 χ^2/NDF: 20920246.0/89

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: 0.633+/-0.000 χ^2/NDF: 5939841104.0/22

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

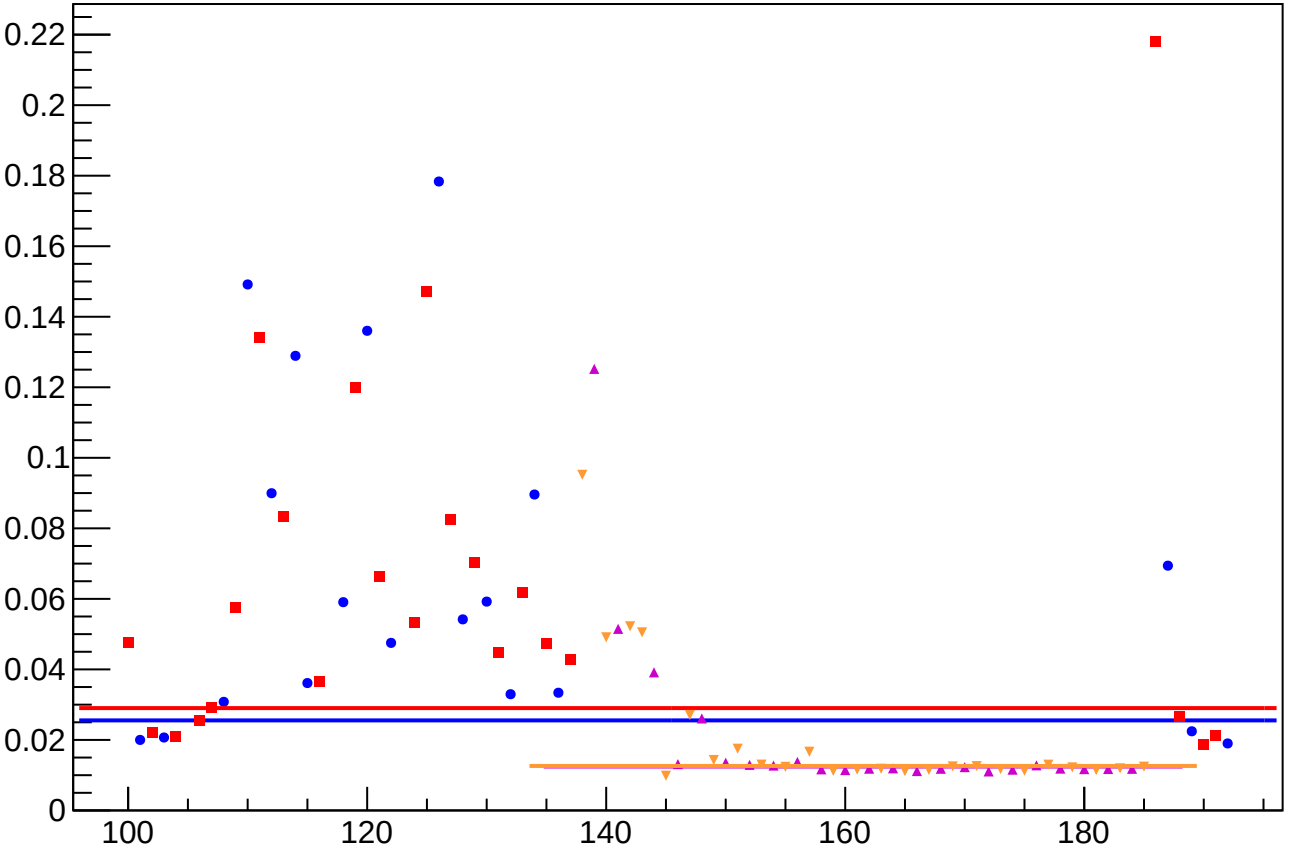
Right: 0.547+/-0.000 χ^2/NDF: 20569724736.0/41

In: 0.845+/-0.000 χ^2/NDF:635806888341.0/41

Out: 0.730+/-0.000 χ^2/NDF:541966936228.8/47

All: 0.788+/-0.000 χ^2/NDF: 1178465512536.

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: 0.029+/-0.000 χ^2/NDF: 4225310.0/22

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

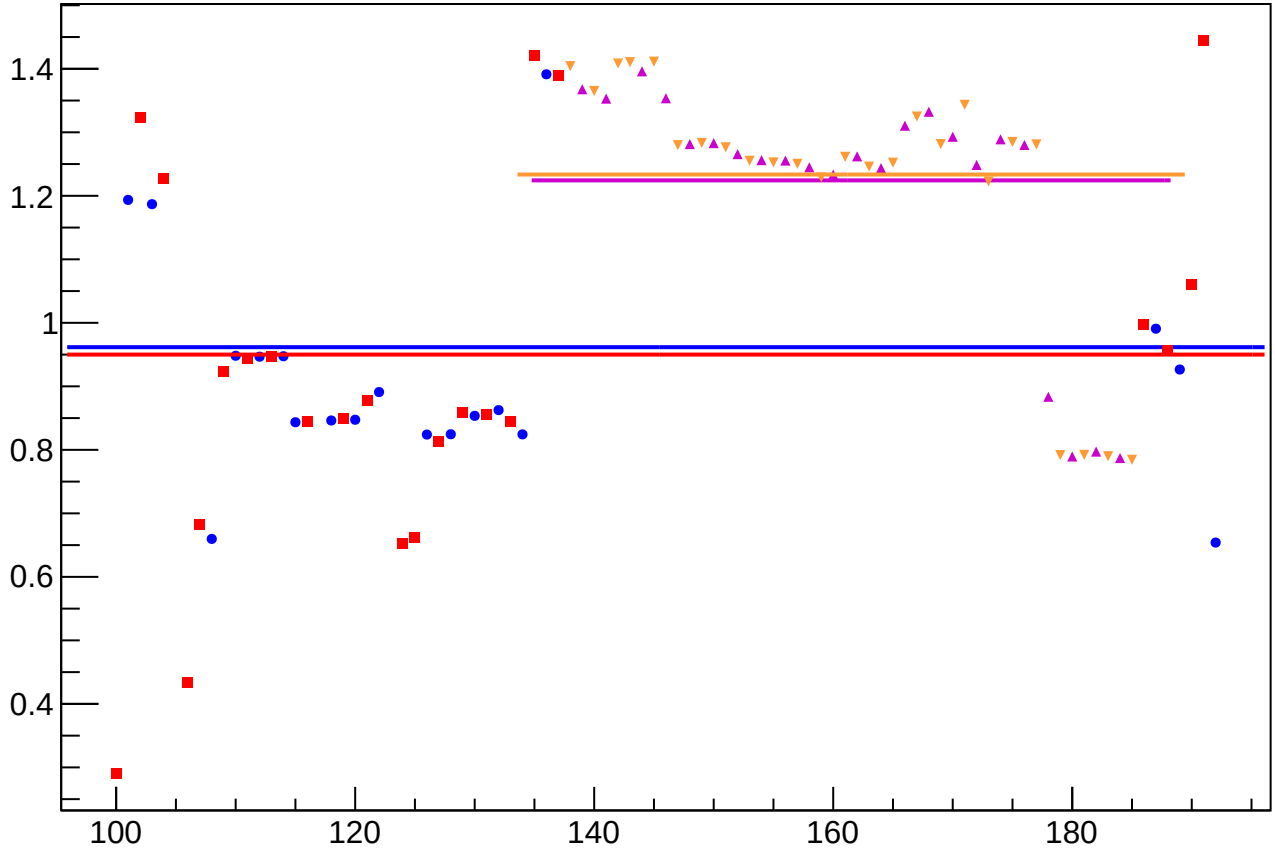
Right: 0.027+/-0.000 χ^2/NDF: 7990494.1/41

In: 0.013+/-0.000 χ^2/NDF:8823249.9/41

Out: 0.014+/-0.000 χ^2/NDF:10633130.6/47

All: 0.013+/-0.000 χ^2/NDF: 19462174.0/89

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: 0.950+/-0.000 χ^2/NDF: 1749743183.9/22

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

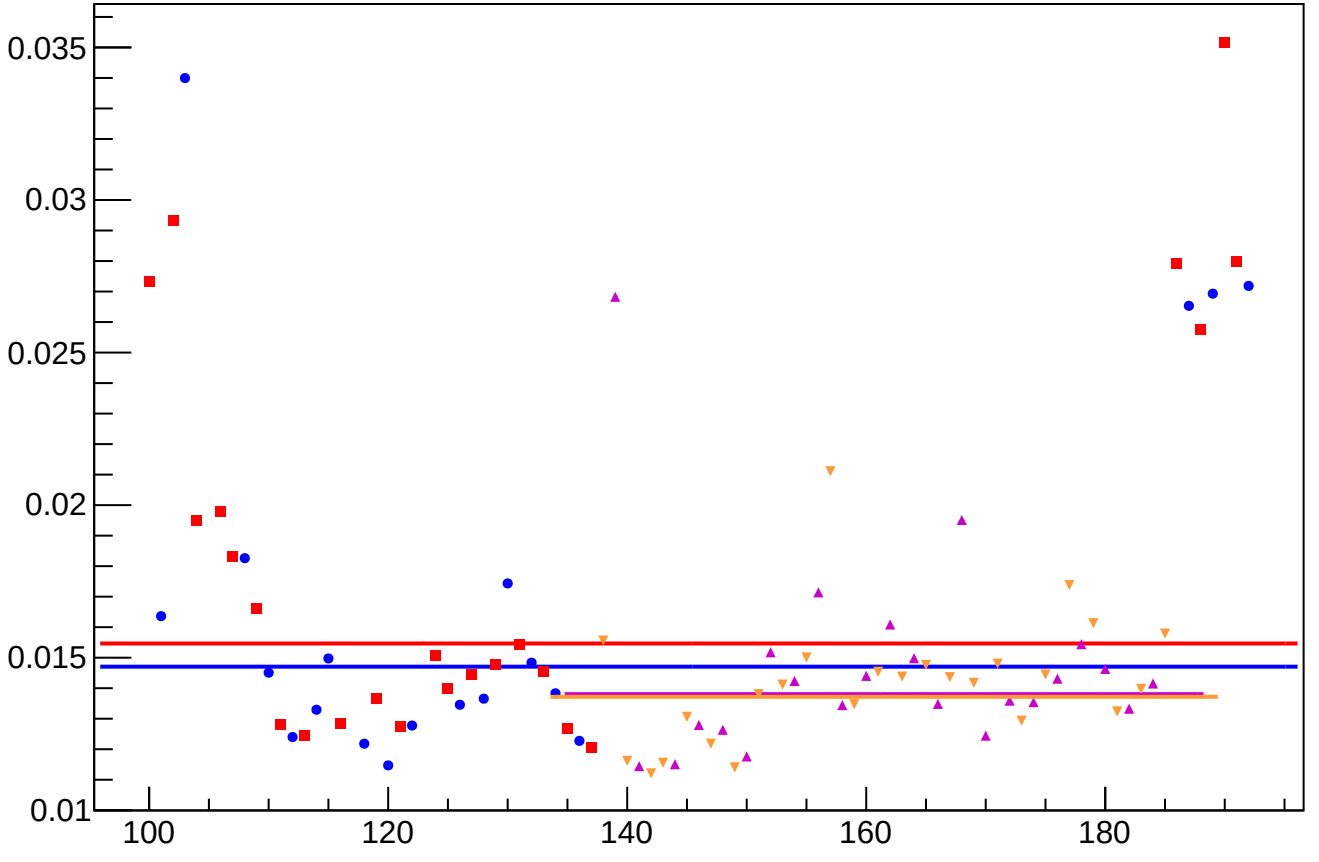
Right: 0.956+/-0.000 χ^2/NDF: 3339430002.0/41

In: 1.148+/-0.000 χ^2/NDF:5938042600.6/41

Out: 1.158+/-0.000 χ^2/NDF:6735839927.2/47

All: 1.153+/-0.000 χ^2/NDF: 12678869453.1/8

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: 0.015+/-0.000 χ^2/NDF: 1353520.3/22

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

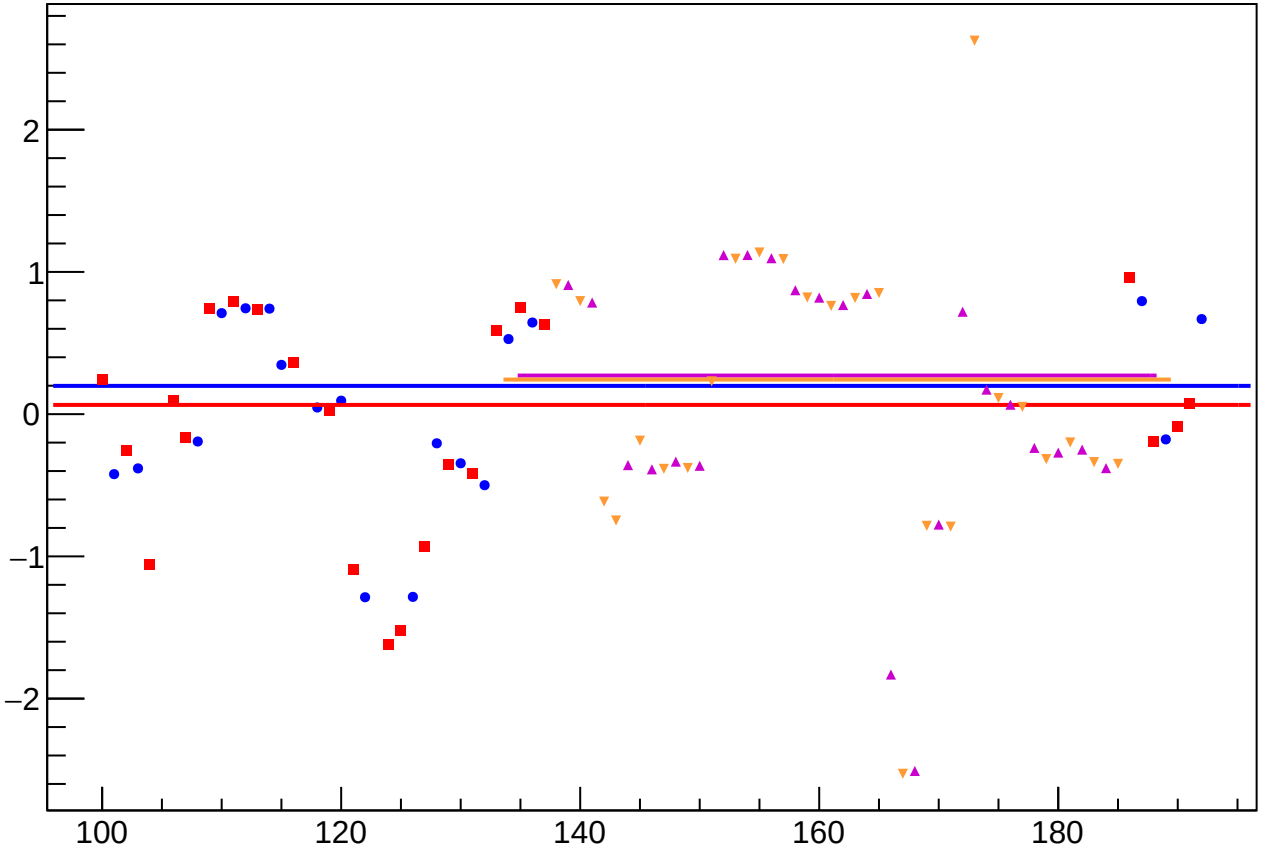
Right: 0.015+/-0.000 χ^2/NDF: 2695191.4/41

In: 0.014+/-0.000 χ^2/NDF:2232209.6/41

Out: 0.014+/-0.000 χ^2/NDF:2051863.7/47

All: 0.014+/-0.000 χ^2/NDF: 4285864.0/89

yield_bpm11Y_mean vs Slug, Sign Corrected



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: 0.065+/-0.000 χ^2/NDF: 18020631816.6/22

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

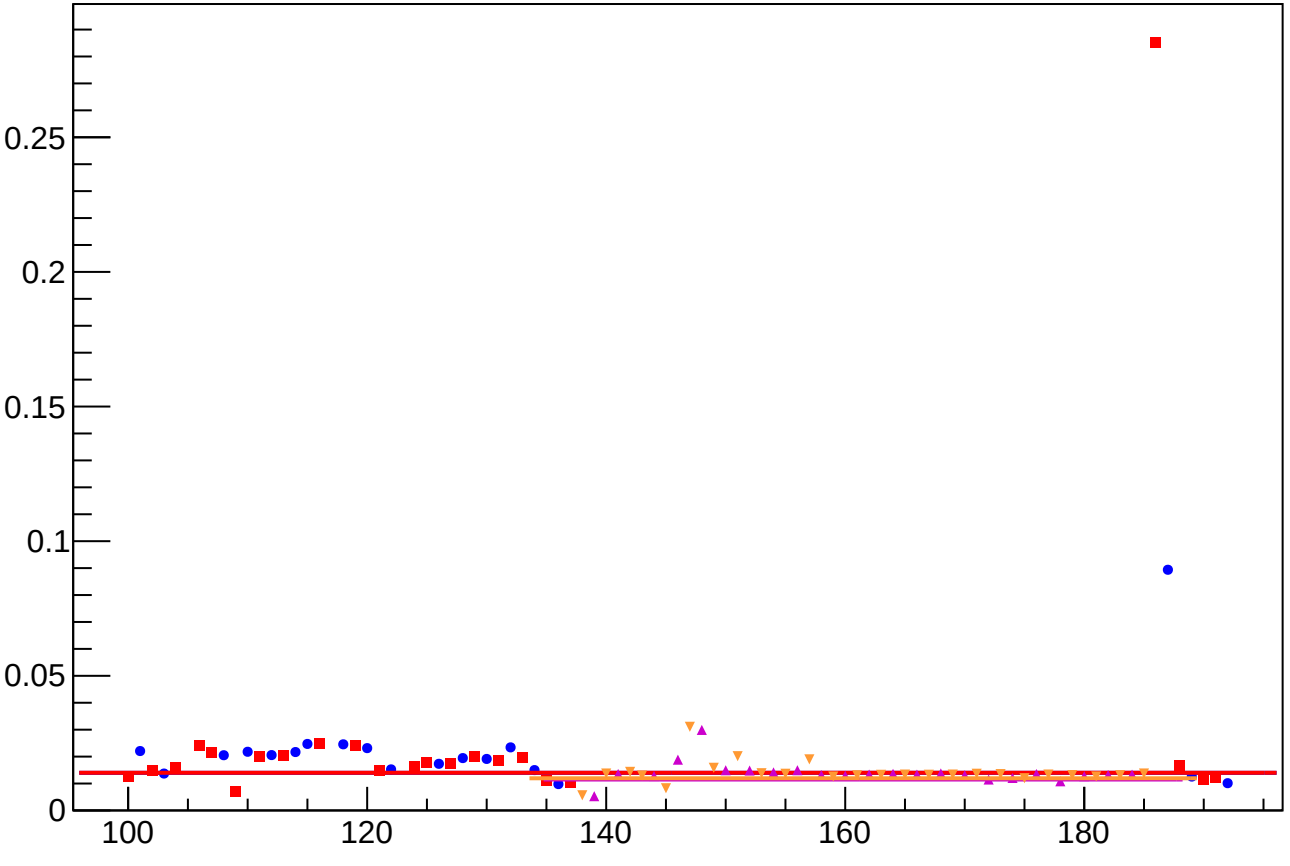
Right: 0.133+/-0.000 χ^2/NDF: 32262129407.0/41

In: 0.254+/-0.000 χ^2/NDF:104563400969.7/41

Out: 0.201+/-0.000 χ^2/NDF:124490044898.0/47

All: 0.228+/-0.000 χ^2/NDF: 229266888300.0

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: 0.014+/-0.000 χ^2/NDF: 2444734.5/22

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

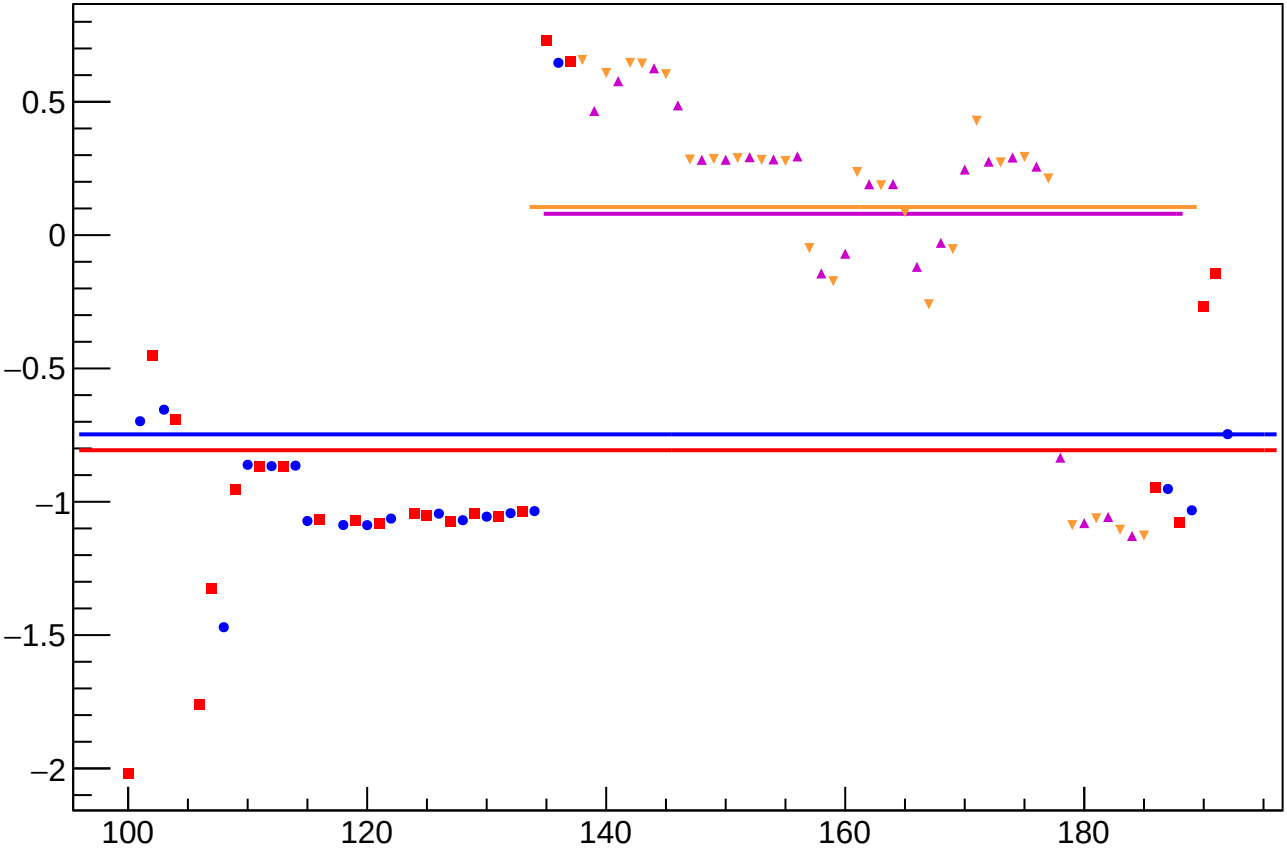
Right: 0.014+/-0.000 χ^2/NDF: 4385165.3/41

In: 0.012+/-0.000 χ^2/NDF:5956725.1/41

Out: 0.012+/-0.000 χ^2/NDF:5942232.5/47

All: 0.012+/-0.000 χ^2/NDF: 11917834.7/89

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: -0.807+/-0.000 χ^2/NDF: 1945403130.9/22

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

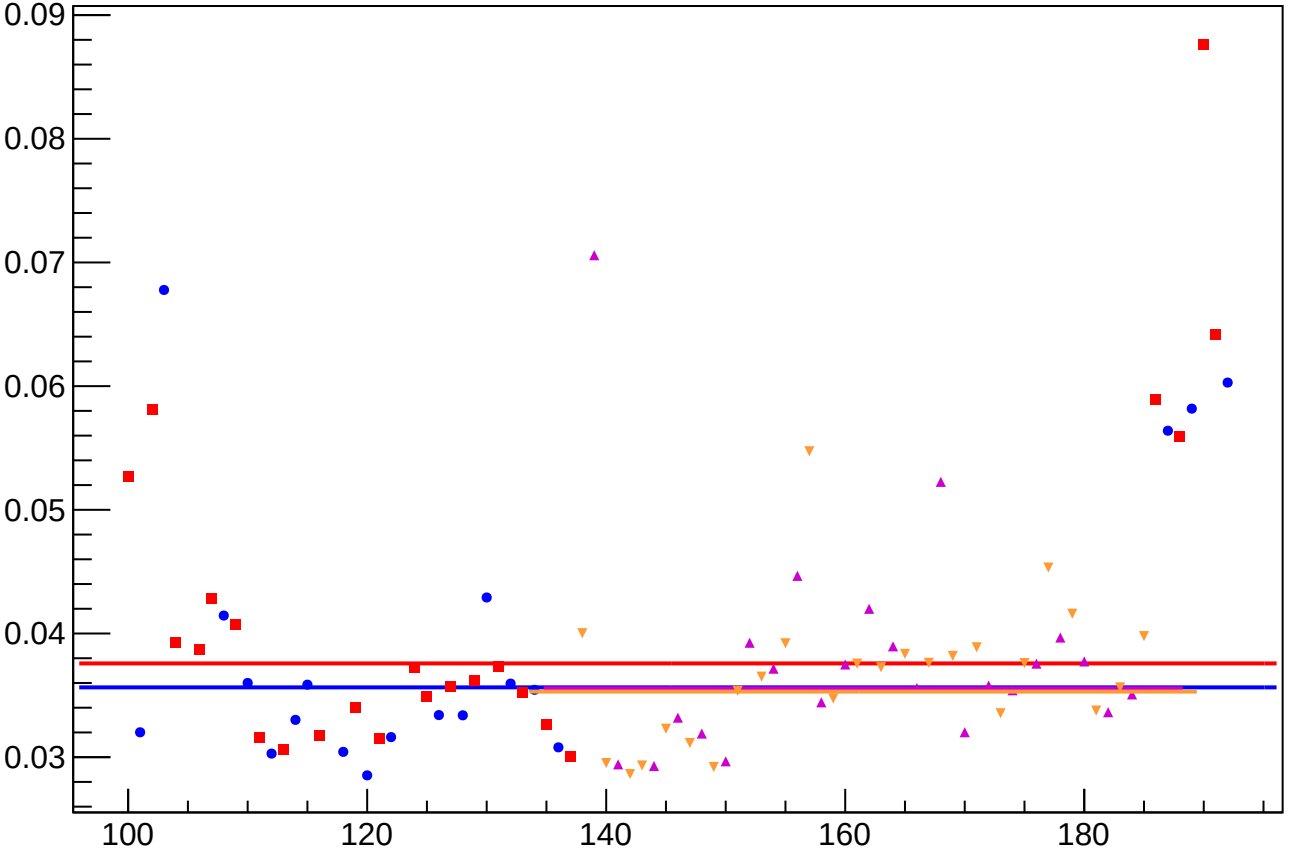
Right: -0.776+/-0.000 χ^2/NDF: 4043103143.4/41

In: -0.186+/-0.000 χ^2/NDF:8152072768.4/41

Out: -0.165+/-0.000 χ^2/NDF:9057454344.2/47

All: -0.175+/-0.000 χ^2/NDF: 17213628255.8/

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: 0.038+/-0.000 χ^2/NDF: 942210.4/22

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

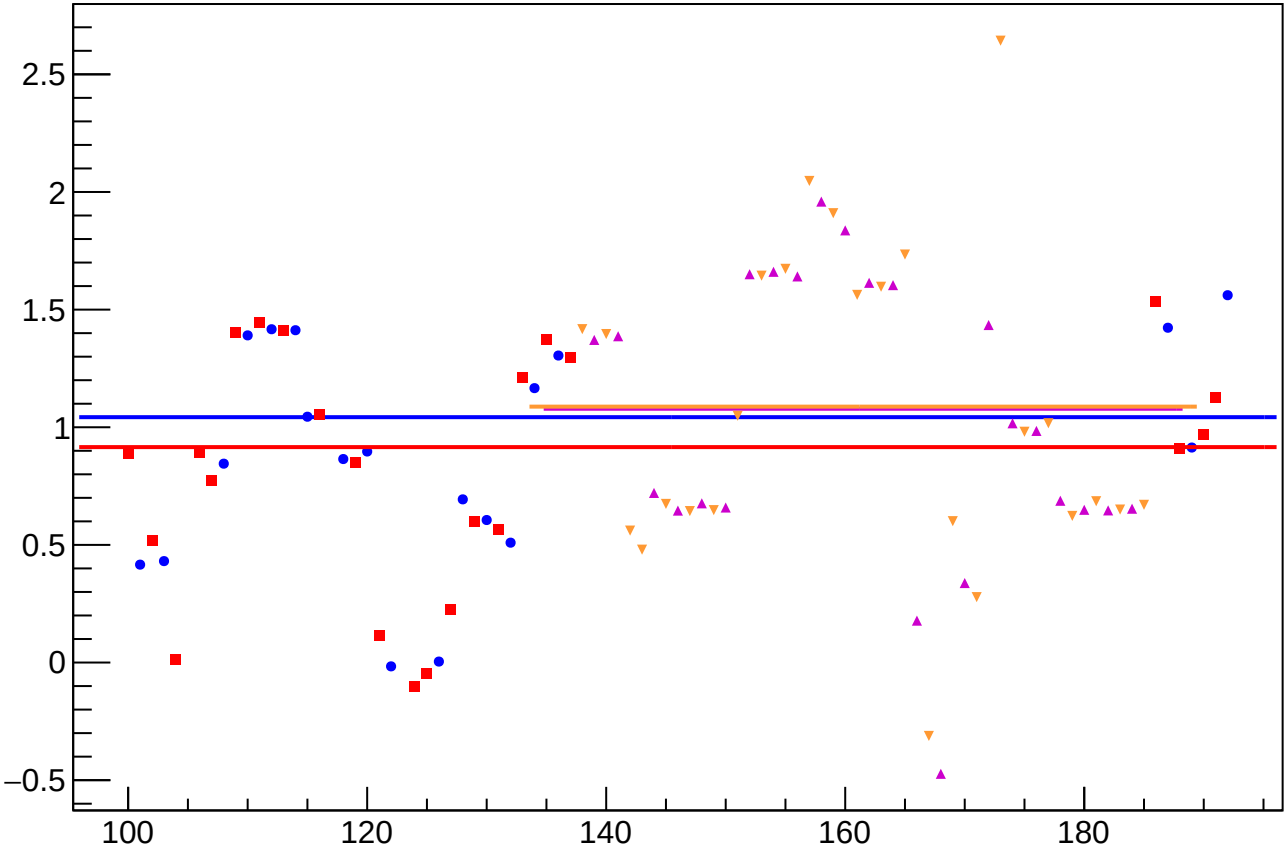
Right: 0.037+/-0.000 χ^2/NDF: 1940984.6/41

In: 0.036+/-0.000 χ^2/NDF:1937316.2/41

Out: 0.036+/-0.000 χ^2/NDF:1596282.7/47

All: 0.036+/-0.000 χ^2/NDF: 3536464.1/89

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: 0.916+/-0.000 χ^2/NDF: 18047745669.8/22

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

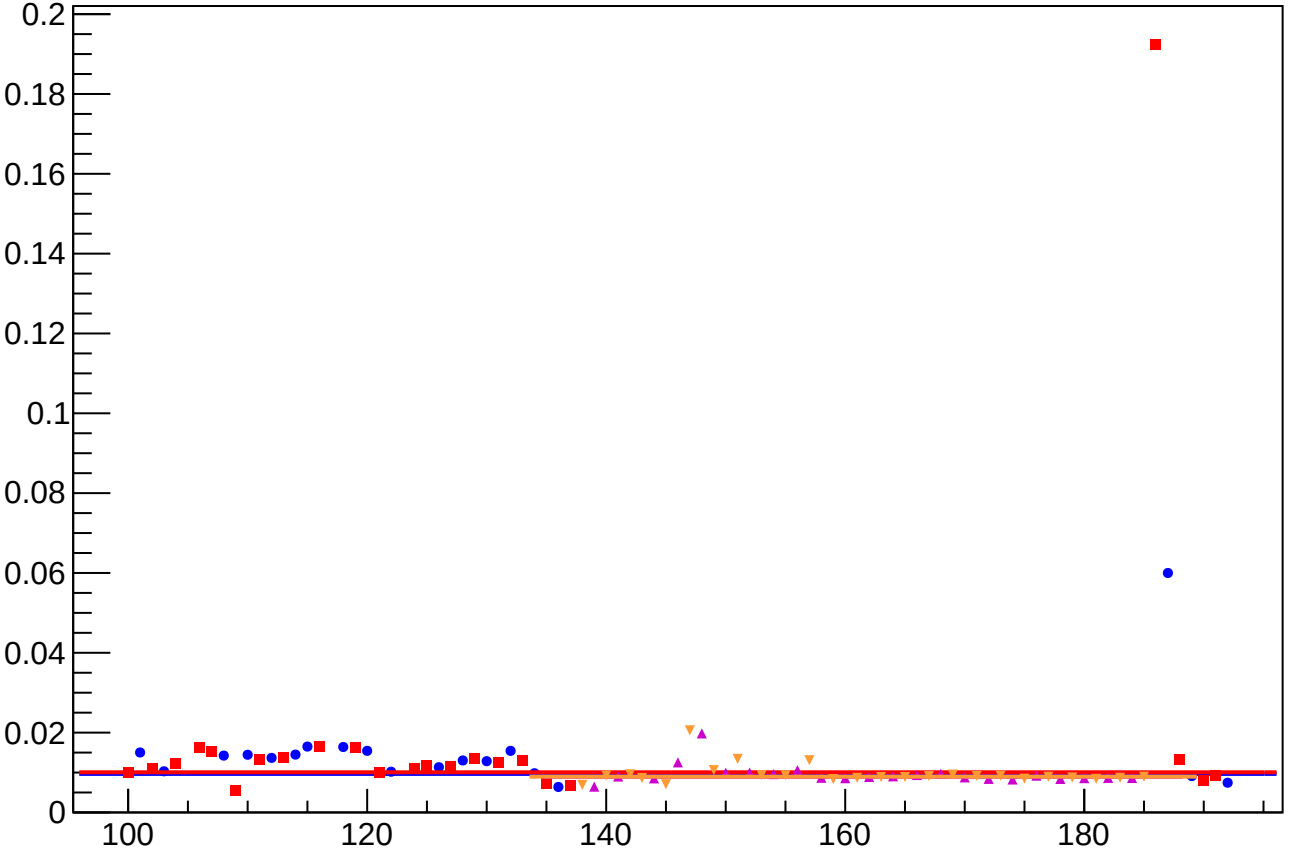
Right: 0.982+/-0.000 χ^2/NDF: 37341835453.7/41

In: 1.069+/-0.000 χ^2/NDF:92842274586.0/41

Out: 1.046+/-0.000 χ^2/NDF:113511421907.1/47

All: 1.057+/-0.000 χ^2/NDF: 206432322491.7

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: 2141069.1/22

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

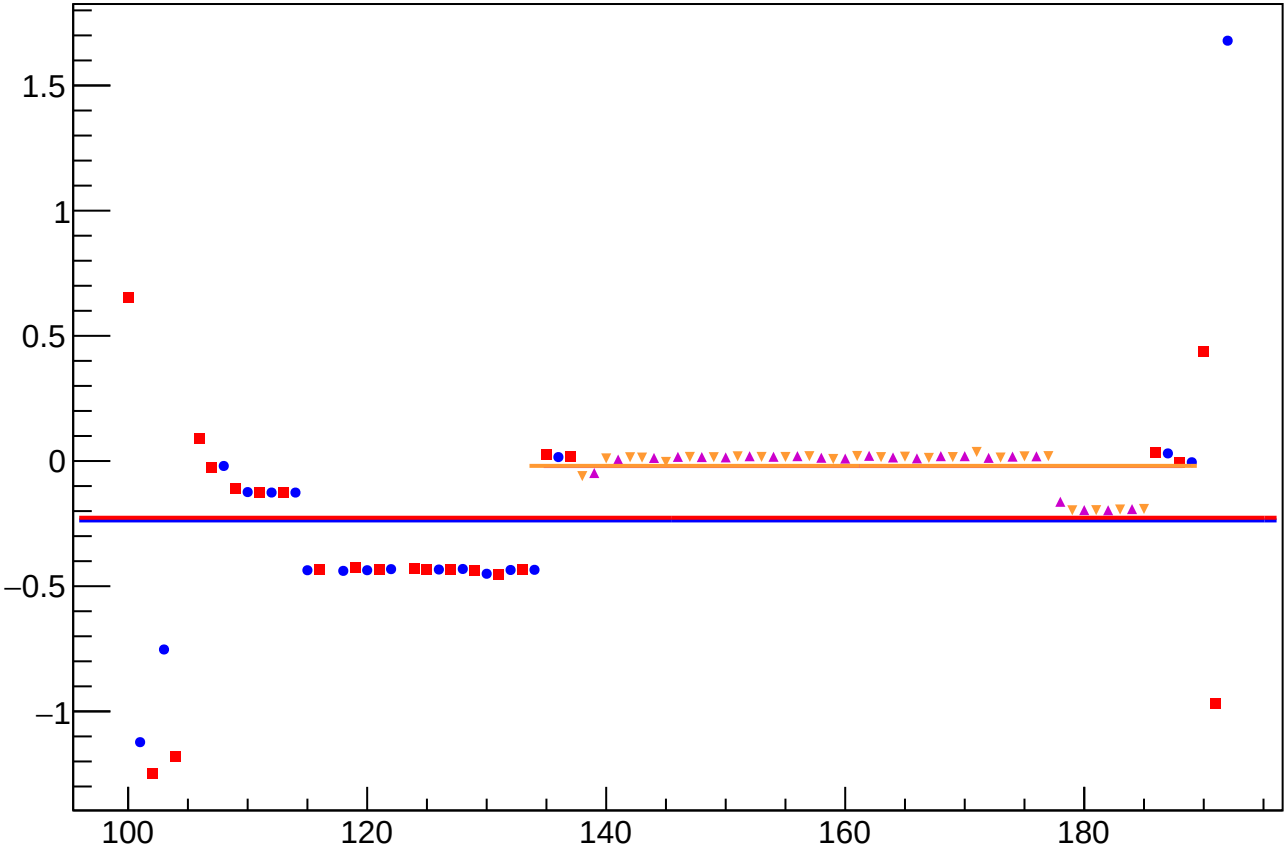
Right: 0.010+/-0.000 χ^2/NDF: 3976237.2/41

In: 0.009+/-0.000 χ^2/NDF:2846738.5/41

Out: 0.009+/-0.000 χ^2/NDF:3417249.4/47

All: 0.009+/-0.000 χ^2/NDF: 6266900.3/89

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: -0.227+/-0.000 χ^2/NDF: 1901891039.6/22

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

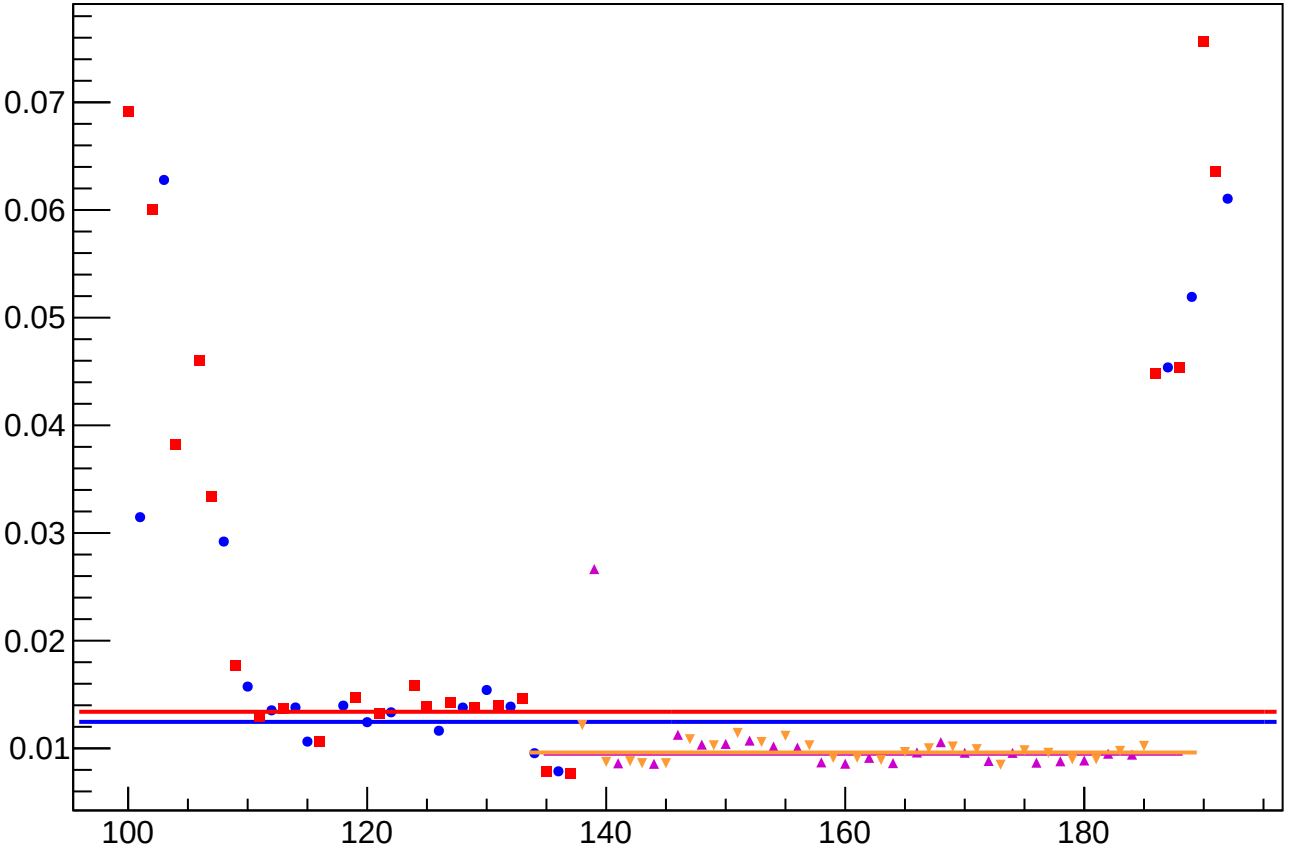
Right: -0.232+/-0.000 χ^2/NDF: 4891921901.3/41

In: -0.058+/-0.000 χ^2/NDF:5373789190.5/41

Out: -0.051+/-0.000 χ^2/NDF:4139446227.5/47

All: -0.055+/-0.000 χ^2/NDF: 9518160554.4/8

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: 0.013+/-0.000 χ^2/NDF: 4277312.9/22

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

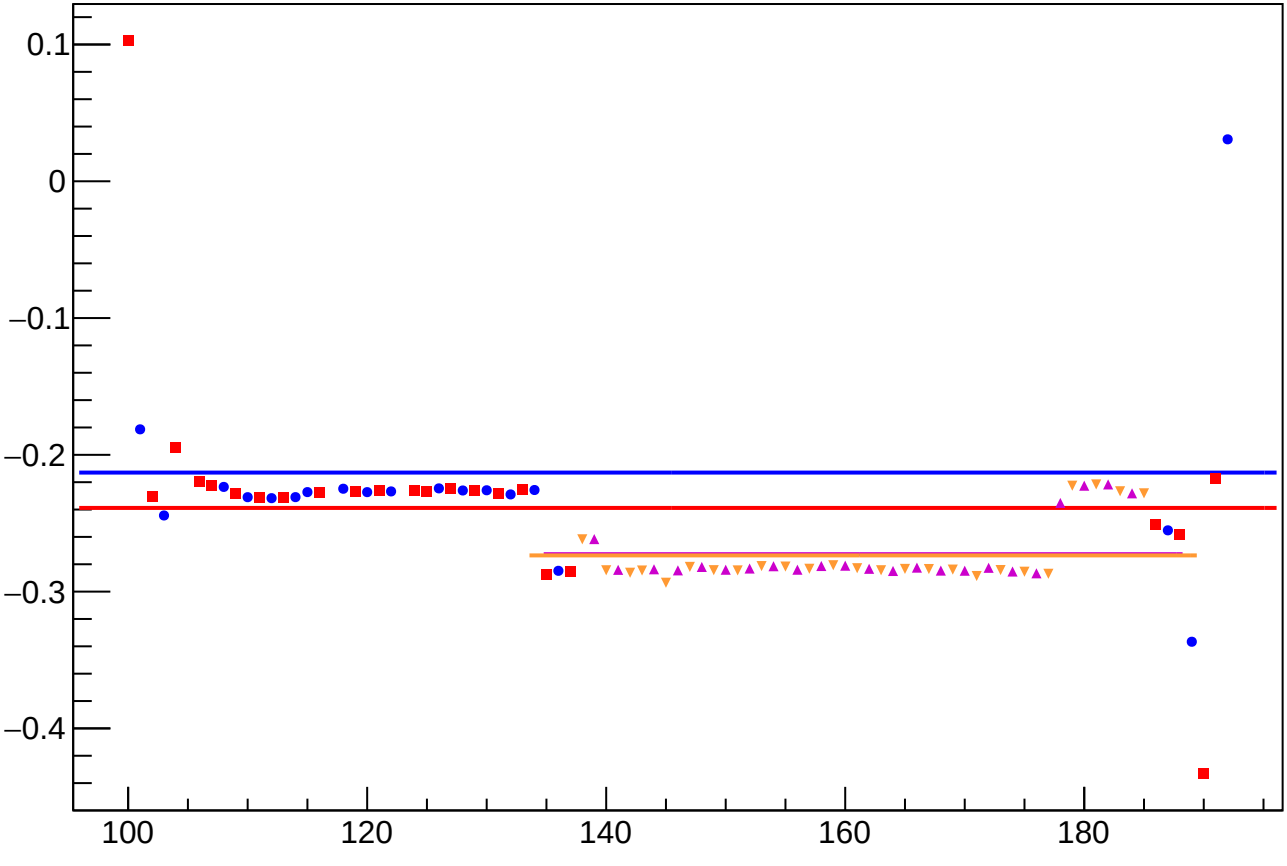
Right: 0.013+/-0.000 χ^2/NDF: 8217622.2/41

In: 0.010+/-0.000 χ^2/NDF:5331082.3/41

Out: 0.010+/-0.000 χ^2/NDF:5334712.6/47

All: 0.010+/-0.000 χ^2/NDF: 10672723.4/89

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: -0.239+/-0.000 χ^2/NDF: 660704445.8/22

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

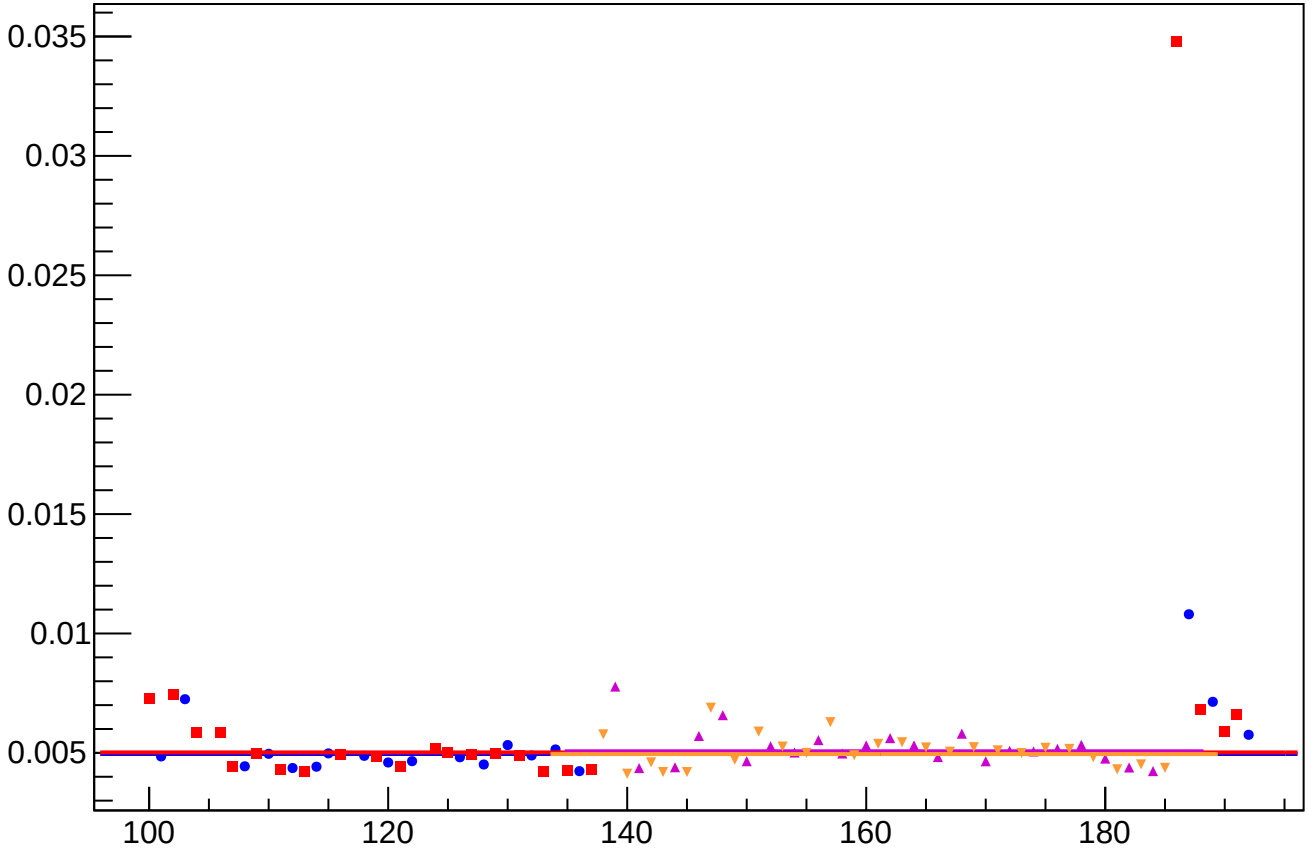
Right: -0.226+/-0.000 χ^2/NDF: 2936583774.6/41

In: -0.253+/-0.000 χ^2/NDF:3278209282.9/41

Out: -0.263+/-0.000 χ^2/NDF:1327907986.6/47

All: -0.258+/-0.000 χ^2/NDF: 4654828911.8/8

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: 1050237.7/22

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

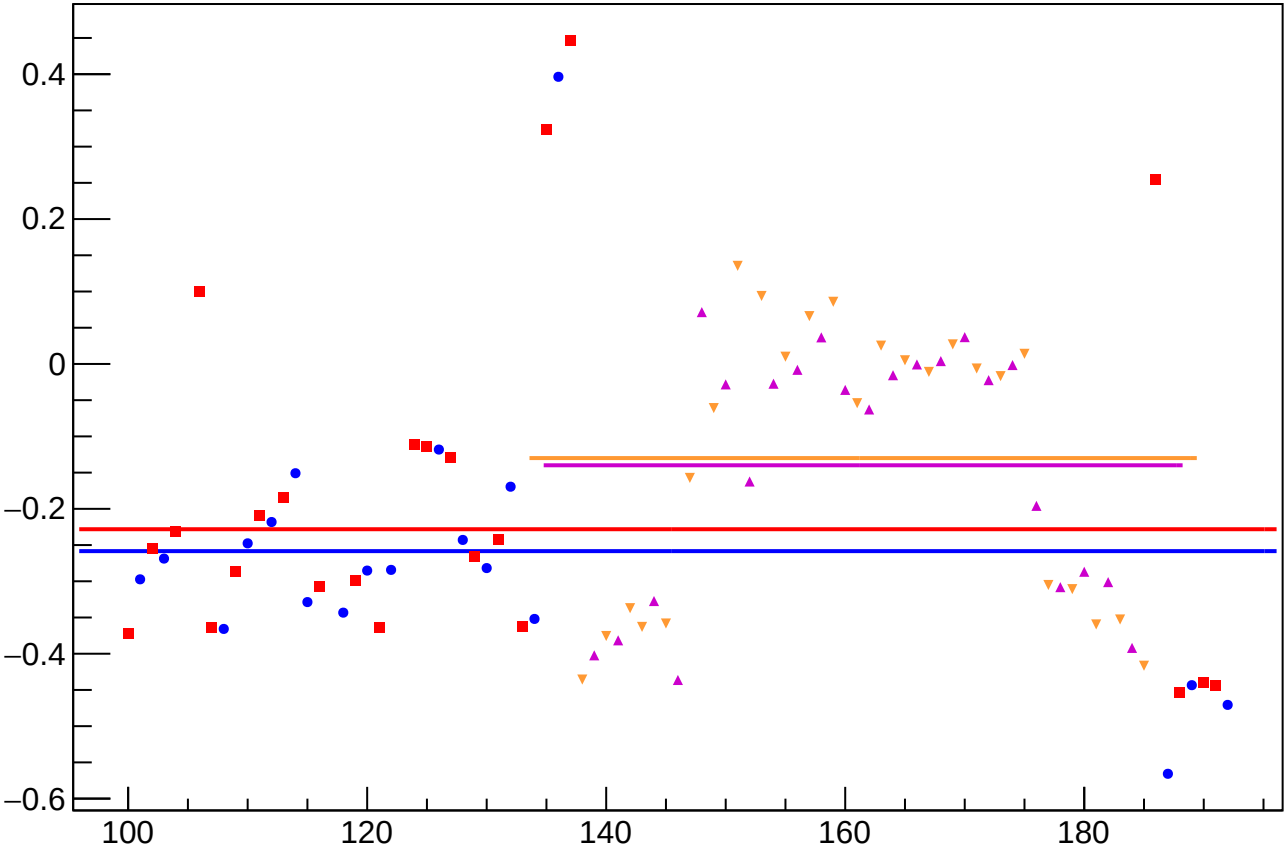
Right: 0.005+/-0.000 χ^2/NDF: 1496198.5/41

In: 0.005+/-0.000 χ^2/NDF:989453.6/41

Out: 0.005+/-0.000 χ^2/NDF:1581215.9/47

All: 0.005+/-0.000 χ^2/NDF: 2574174.1/89

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: -0.228+/-0.000 χ^2/NDF: 8838204998.5/22

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

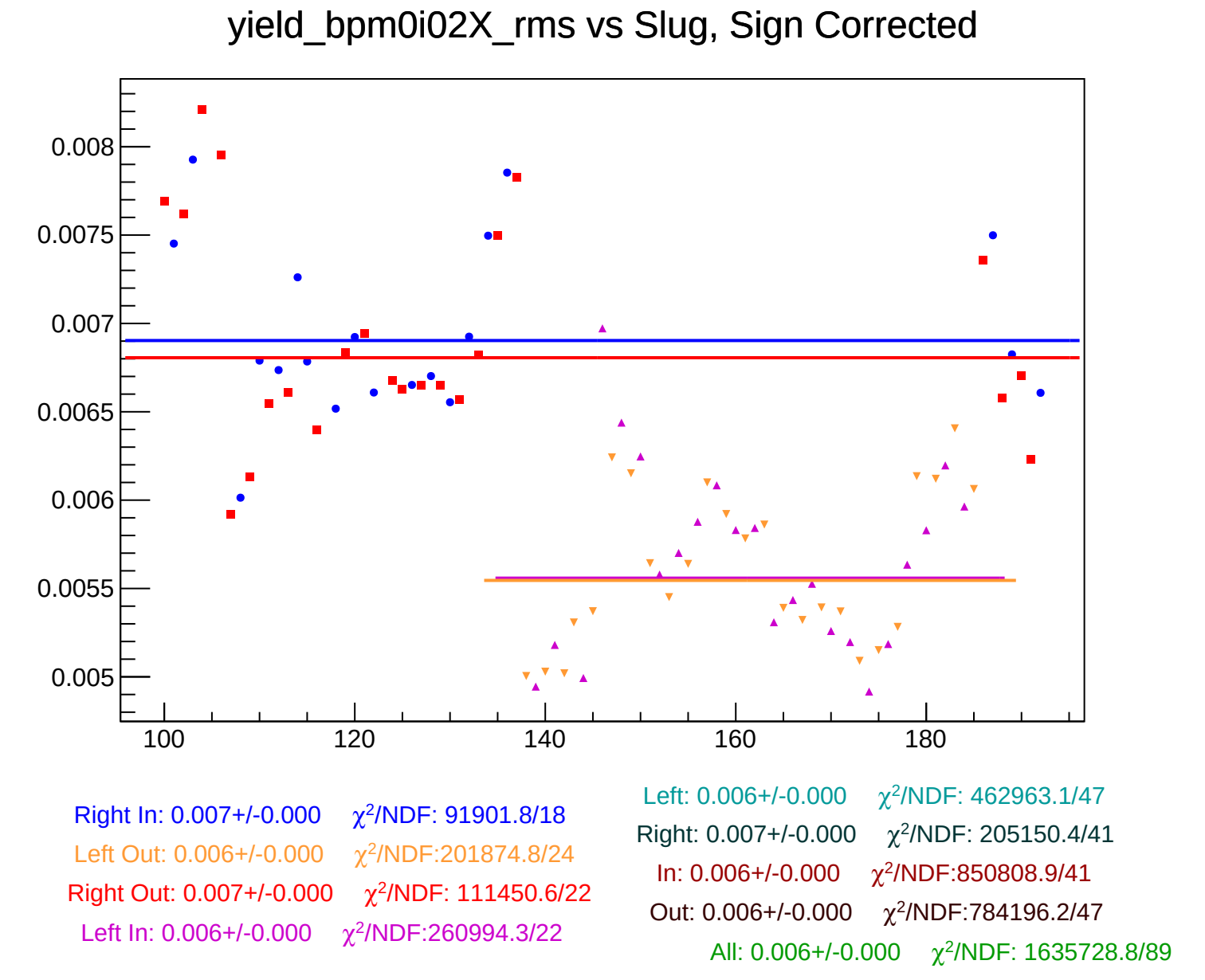
Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

Right: -0.243+/-0.000 χ^2/NDF: 17217435184.0/41

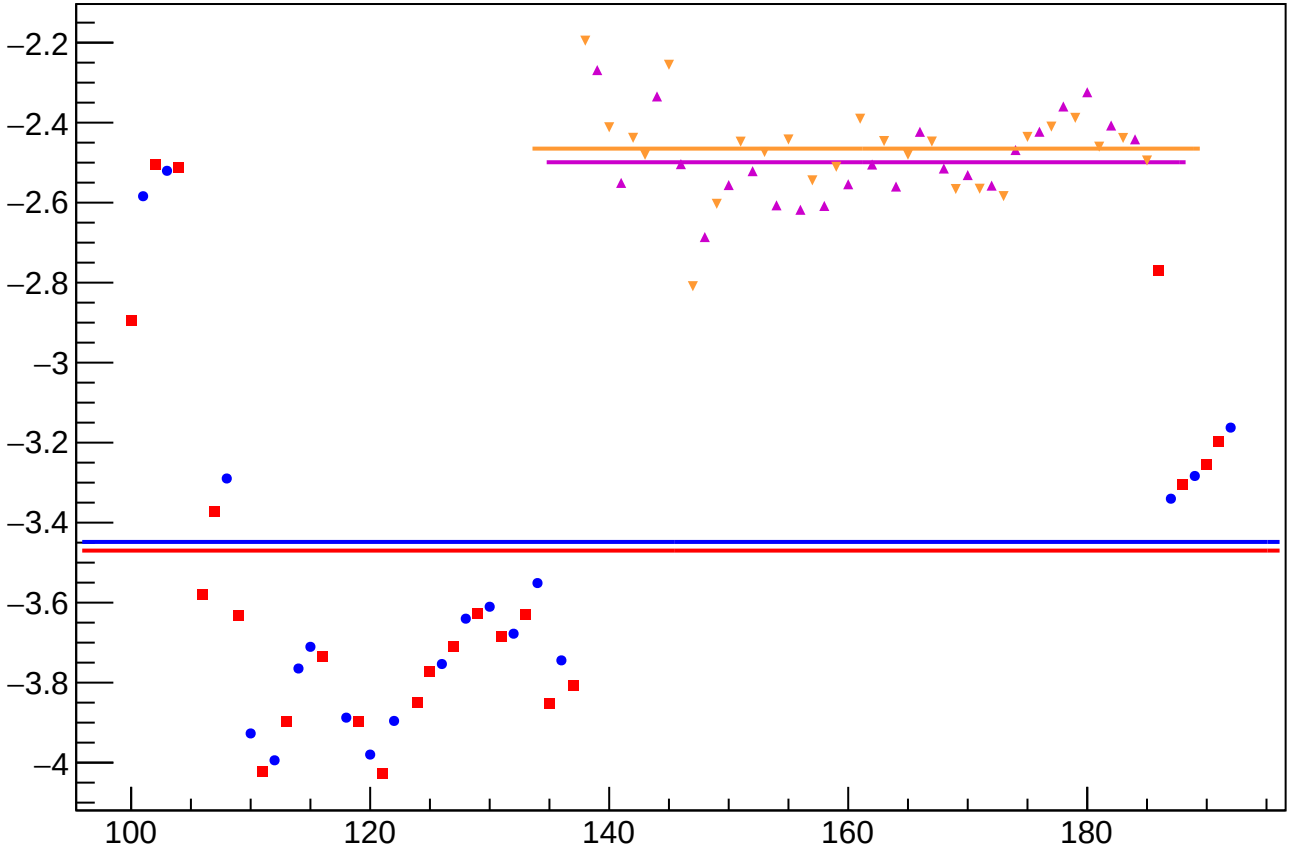
In: -0.169+/-0.000 χ^2/NDF:25374494530.8/41

Out: -0.154+/-0.000 χ^2/NDF:31764577593.8/47

All: -0.161+/-0.000 χ^2/NDF: 57222115749.6/


yield_bpm0i02X_rms vs Slug, Sign Corrected
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
100
120
140
160
180
Right In: 0.007+/-0.000 χ²/NDF: 91901.8/18
Left Out: 0.006+/-0.000 χ²/NDF:201874.8/24
Right Out: 0.007+/-0.000 χ²/NDF: 111450.6/22
Left In: 0.006+/-0.000 χ²/NDF:260994.3/22
Left: 0.006+/-0.000 χ²/NDF: 462963.1/47
Right: 0.007+/-0.000 χ²/NDF: 205150.4/41
In: 0.006+/-0.000 χ²/NDF:850808.9/41
Out: 0.006+/-0.000 χ²/NDF:784196.2/47
All: 0.006+/-0.000 χ²/NDF: 1635728.8/89

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: -3.470+/-0.000 χ^2/NDF: 31905533006.1/22

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

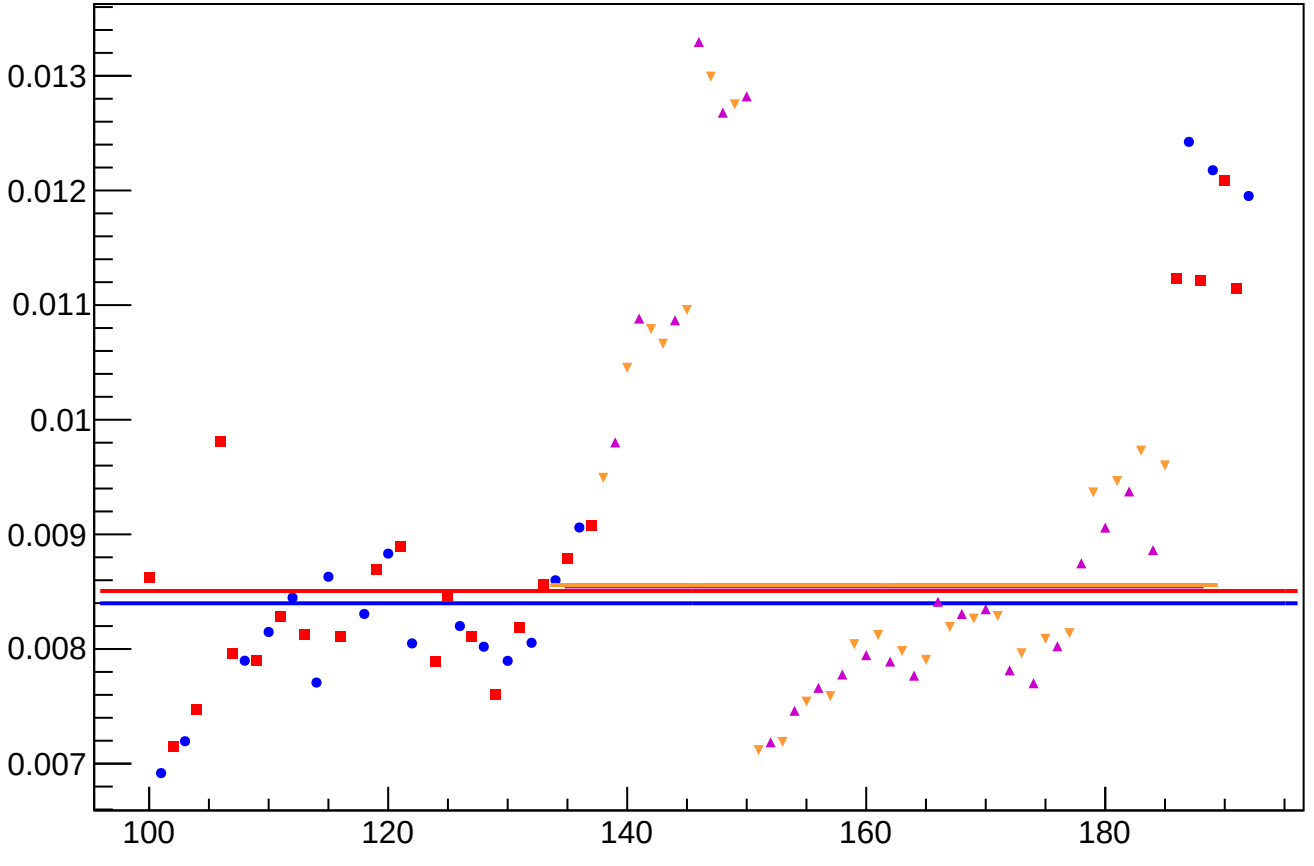
Right: -3.459+/-0.000 χ^2/NDF: 62242046355.9/41

In: -2.821+/-0.000 χ^2/NDF:104080715676.0/41

Out: -2.799+/-0.000 χ^2/NDF:116972931058.1/47

All: -2.810+/-0.000 χ^2/NDF: 221139526109.6

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: 347003.1/22

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

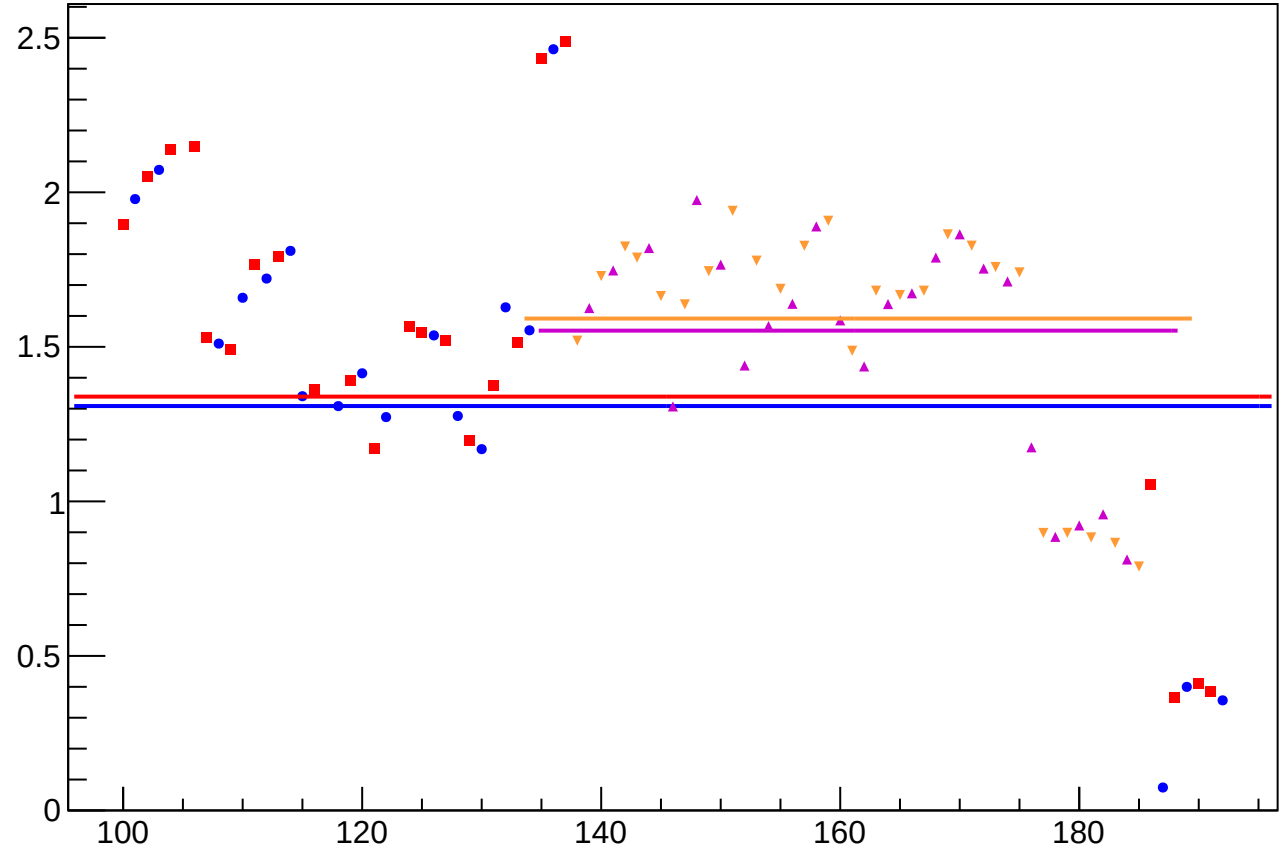
Right: 0.008+/-0.000 χ^2/NDF: 772808.3/41

In: 0.008+/-0.000 χ^2/NDF:1338589.6/41

Out: 0.009+/-0.000 χ^2/NDF:1171475.0/47

All: 0.009+/-0.000 χ^2/NDF: 2510796.7/89

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: 1.339+/-0.000 χ^2/NDF: 25049373296.5/22

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

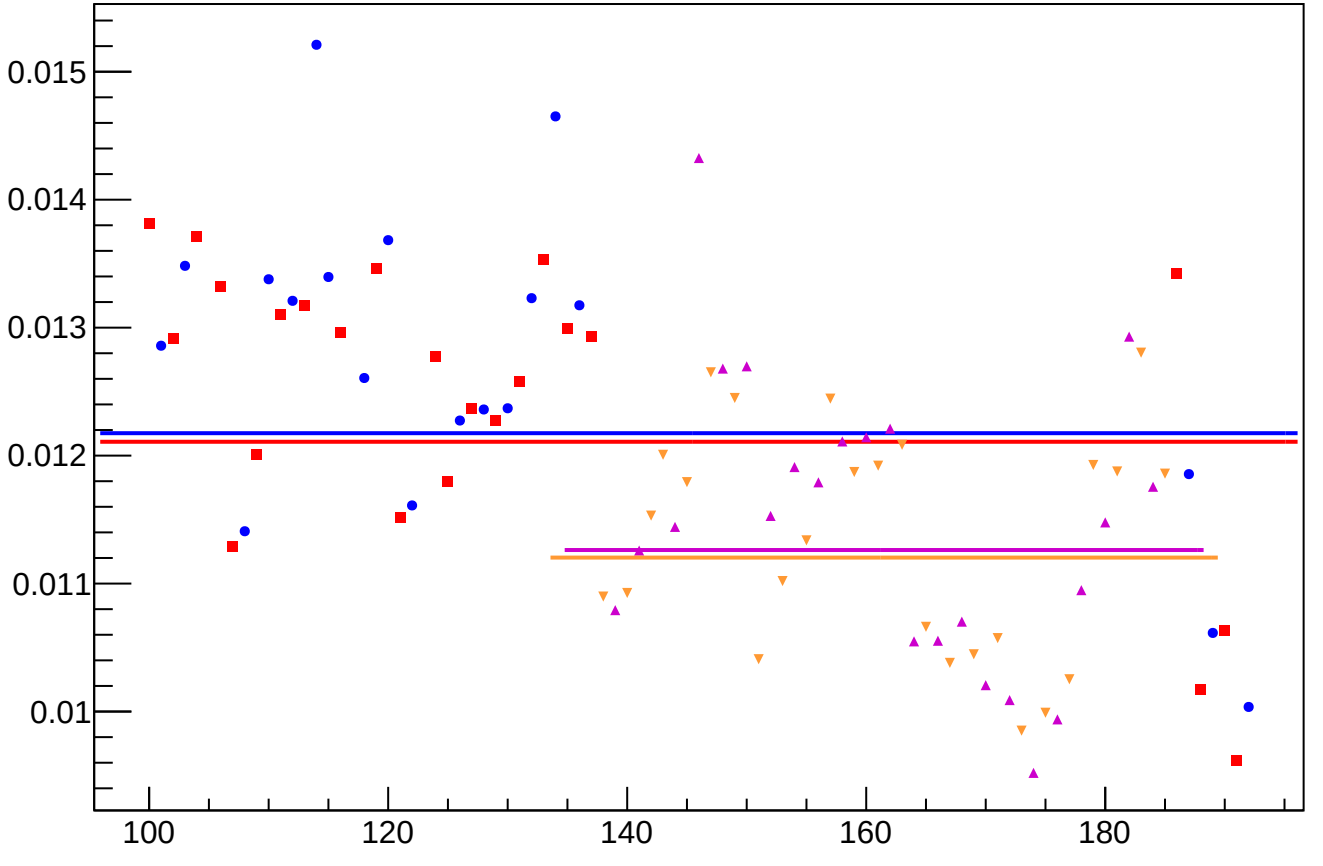
Right: 1.324+/-0.000 χ^2/NDF: 51337053643.9/41

In: 1.480+/-0.000 χ^2/NDF:42740890481.9/41

Out: 1.517+/-0.000 χ^2/NDF:44903200329.4/47

All: 1.499+/-0.000 χ^2/NDF: 87783554066.2/8

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: 195799.2/22

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

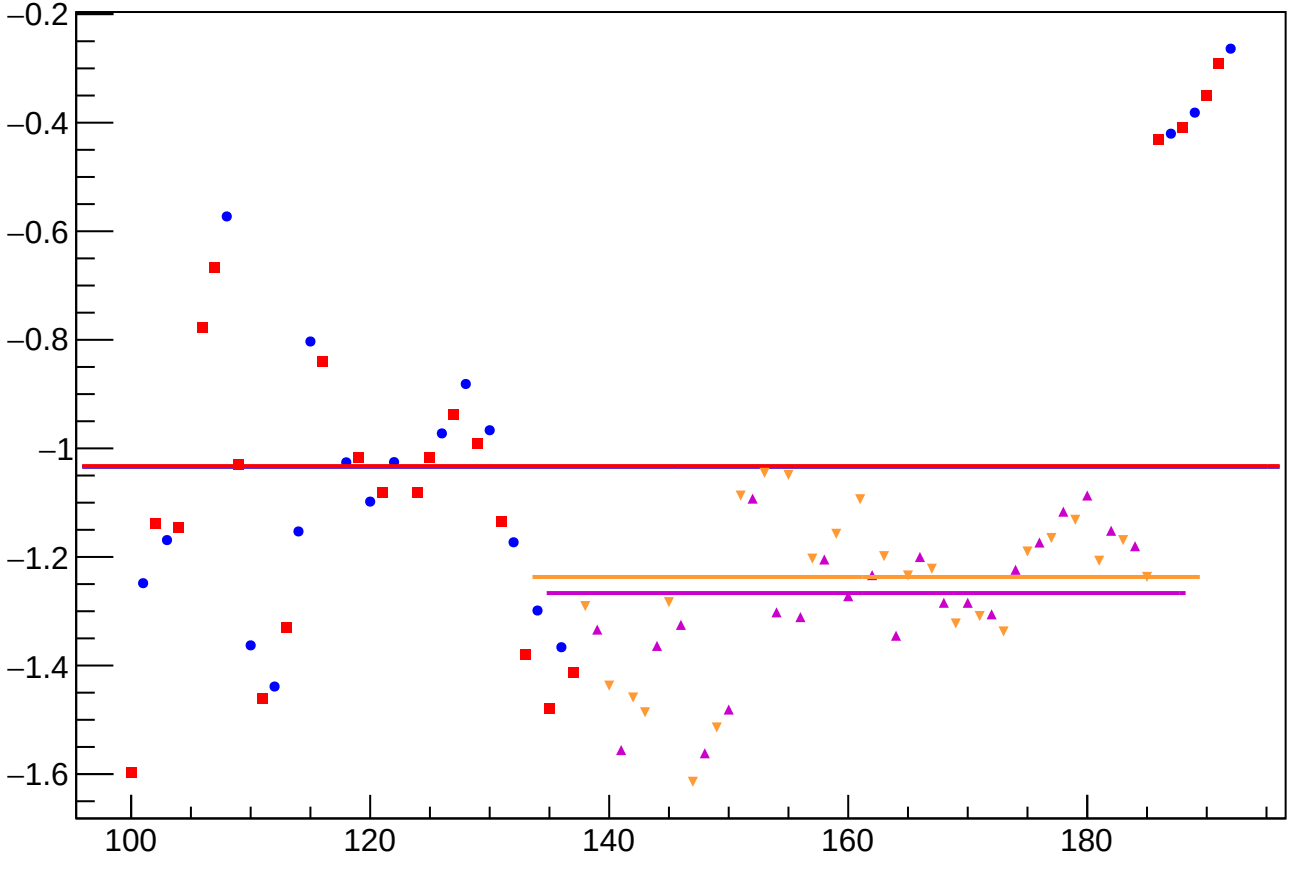
Right: 0.012+/-0.000 χ^2/NDF: 395648.0/41

In: 0.012+/-0.000 χ^2/NDF:579155.0/41

Out: 0.011+/-0.000 χ^2/NDF:490646.0/47

All: 0.012+/-0.000 χ^2/NDF: 1070620.0/89

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: -1.033+/-0.000 χ^2/NDF: 10859940931.0/22

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

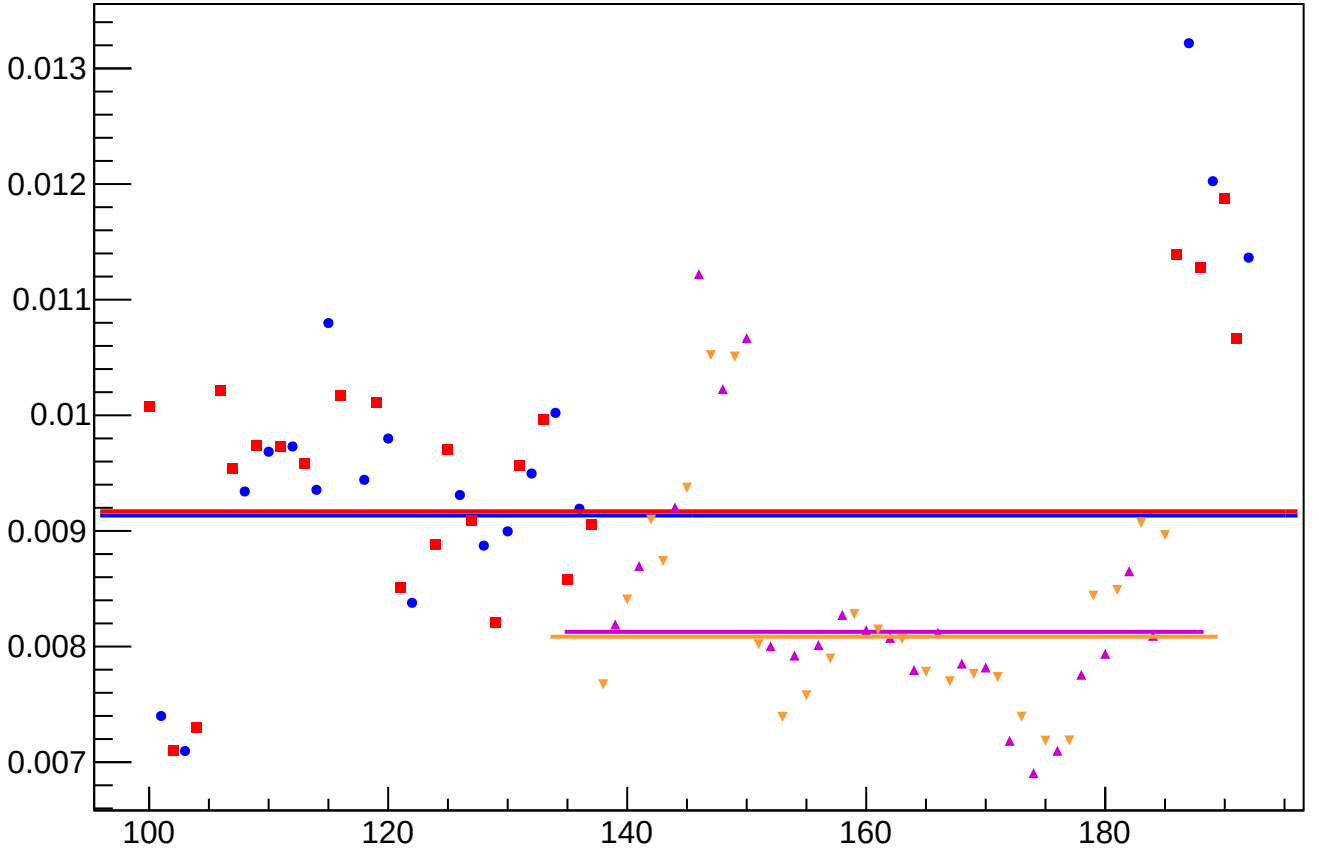
Right: -1.033+/-0.000 χ^2/NDF: 21729889386.2/41

In: -1.201+/-0.000 χ^2/NDF:18470343078.4/41

Out: -1.181+/-0.000 χ^2/NDF:18989647411.7/47

All: -1.191+/-0.000 χ^2/NDF: 37537673584.6/

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: 366474.7/22

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

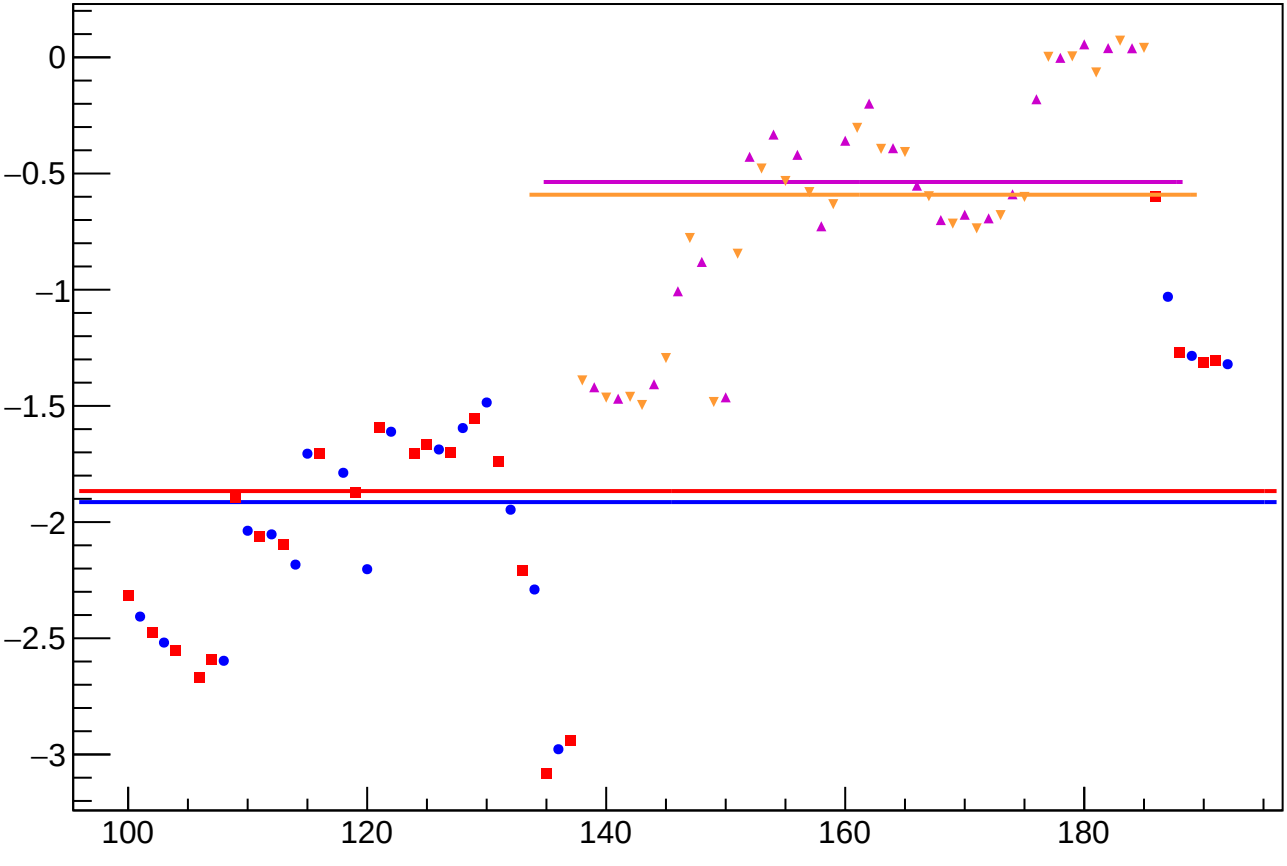
Right: 0.009+/-0.000 χ^2/NDF: 728343.2/41

In: 0.008+/-0.000 χ^2/NDF:917506.9/41

Out: 0.008+/-0.000 χ^2/NDF:871447.7/47

All: 0.008+/-0.000 χ^2/NDF: 1789216.8/89

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: -1.867+/-0.000 χ^2/NDF: 64176634584.8/22

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

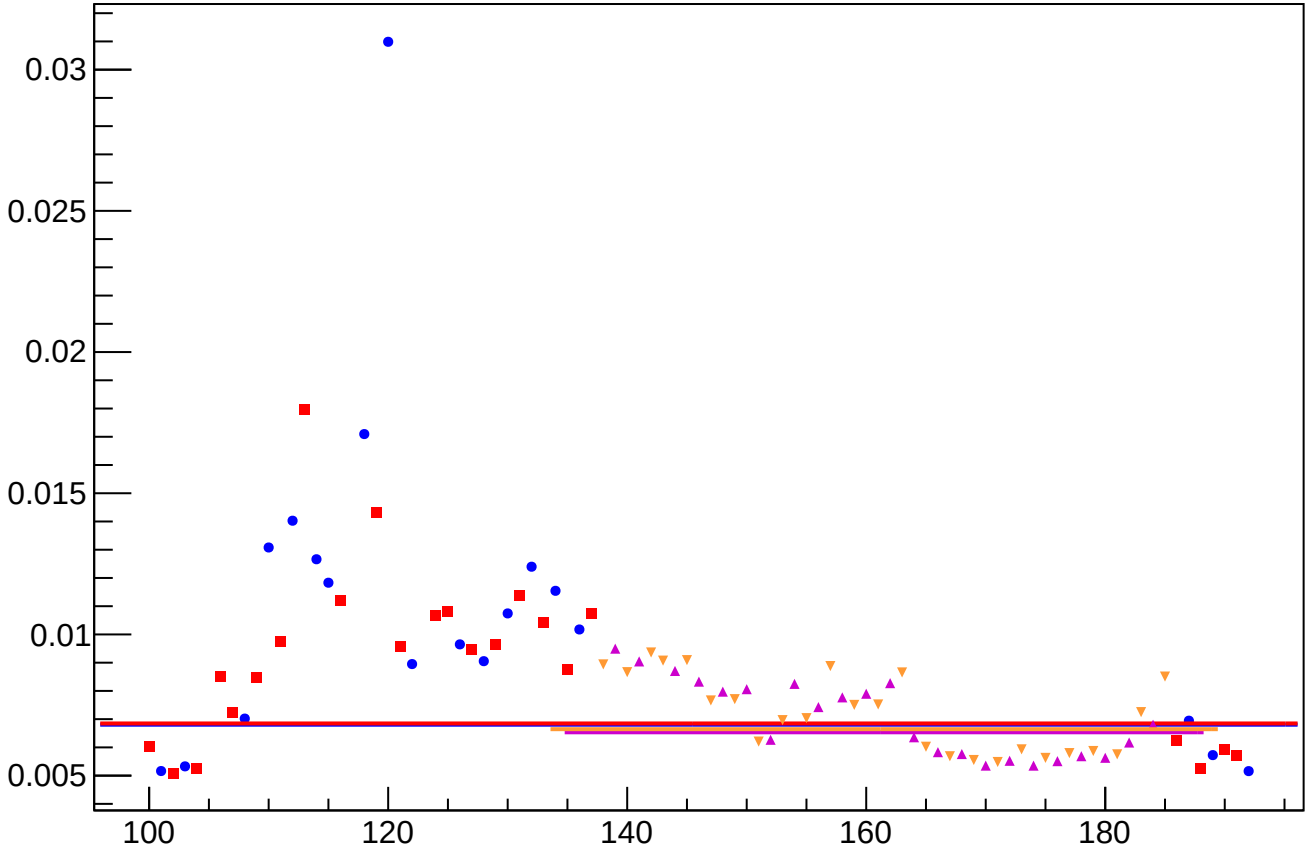
Right: -1.889+/-0.000 χ^2/NDF: 112516995005.3/41

In: -0.914+/-0.000 χ^2/NDF:311229552151.5/41

Out: -0.958+/-0.000 χ^2/NDF:314267183914.2/47

All: -0.936+/-0.000 χ^2/NDF: 626010797781.3

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: 0.007+/-0.000 χ^2/NDF: 1640637.6/22

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

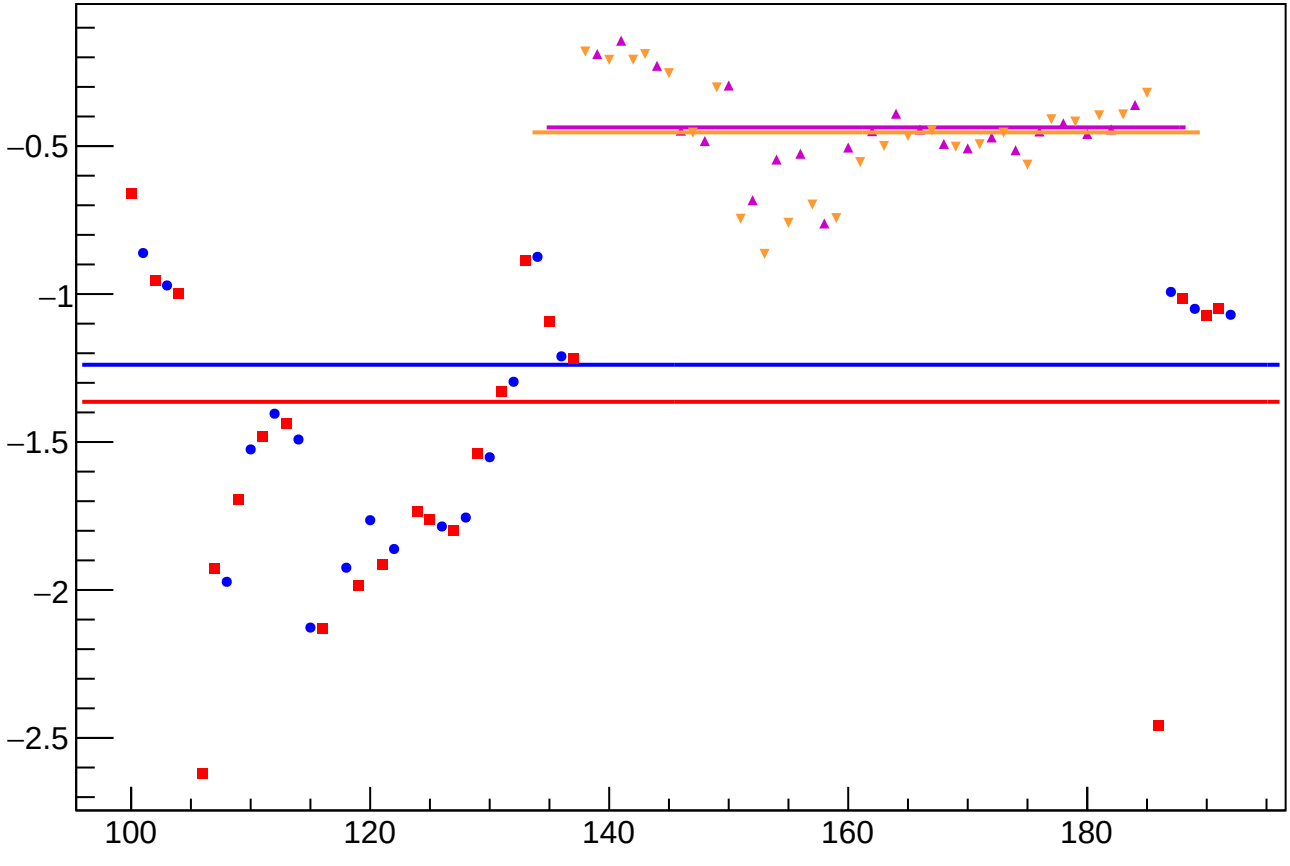
Right: 0.007+/-0.000 χ^2/NDF: 3693154.4/41

In: 0.007+/-0.000 χ^2/NDF:3218088.8/41

Out: 0.007+/-0.000 χ^2/NDF:2741499.6/47

All: 0.007+/-0.000 χ^2/NDF: 5964285.0/89

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: -1.364+/-0.000 χ^2/NDF: 65229281589.6/22

Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

Left: -0.446+/-0.000 χ^2/NDF: 45759847773.7/47

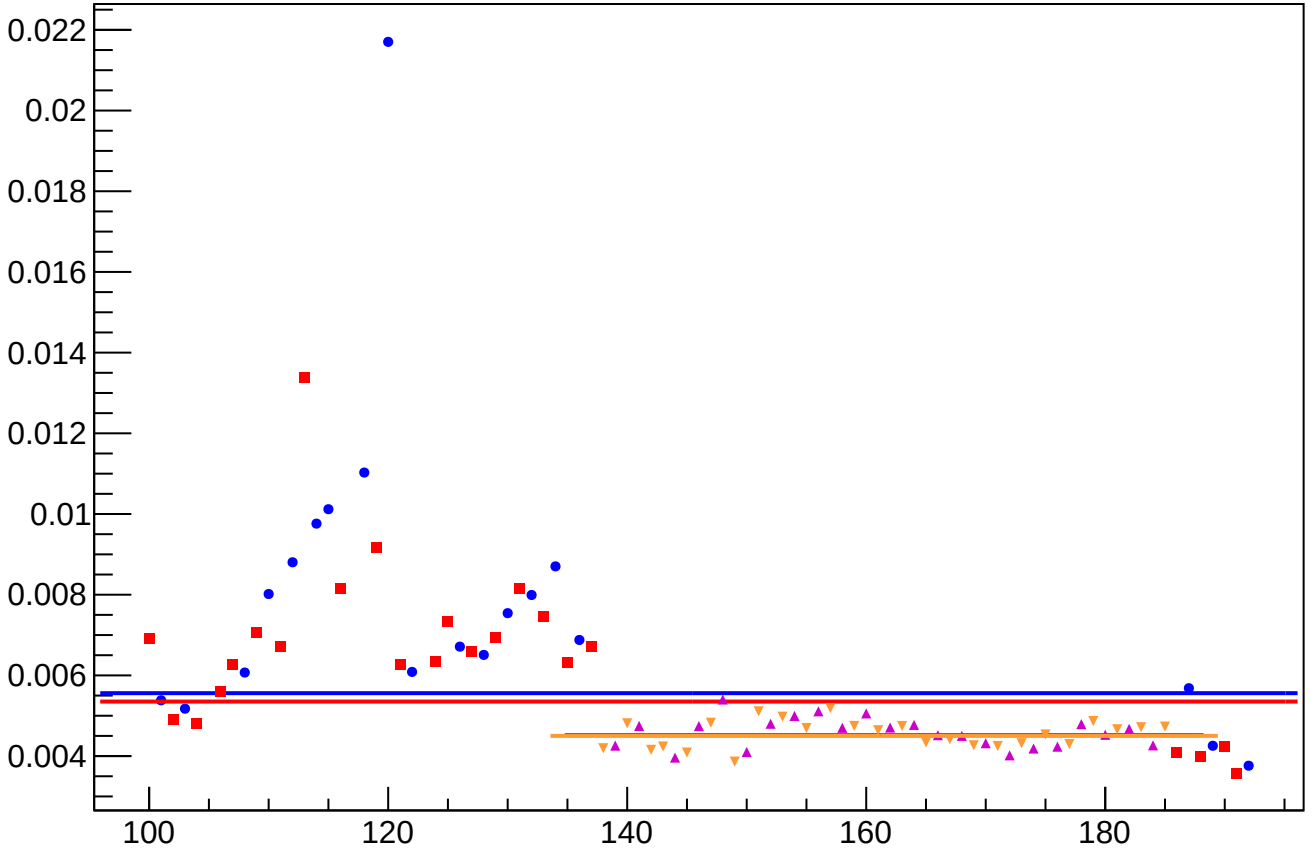
Right: -1.307+/-0.000 χ^2/NDF: 93396934218.7/41

In: -0.608+/-0.000 χ^2/NDF:154854731192.3/41

Out: -0.665+/-0.000 χ^2/NDF:261398025777.5/47

All: -0.638+/-0.000 χ^2/NDF: 417972338722.0

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: 1250408.5/22

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

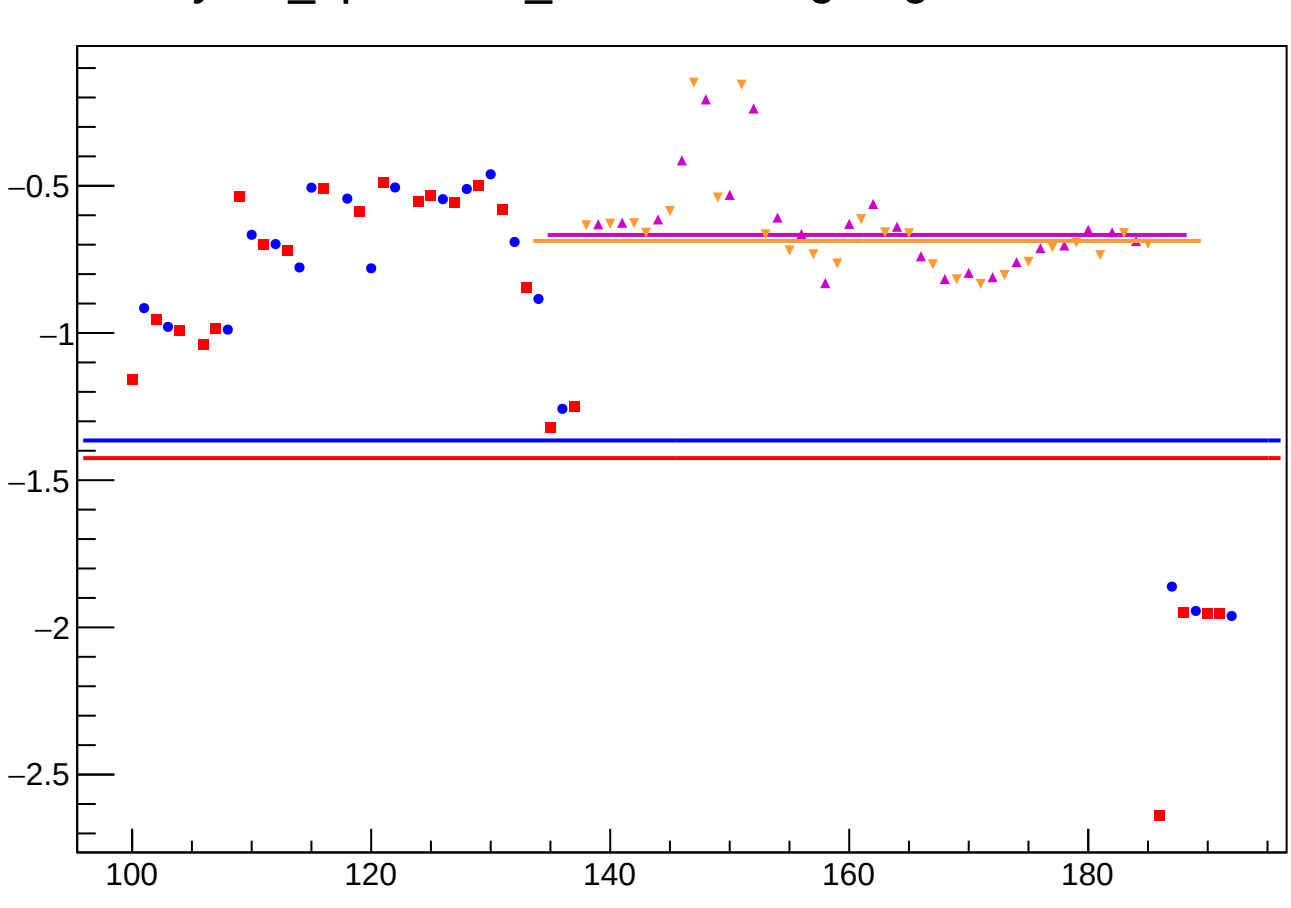
Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

Right: 0.005+/-0.000 χ^2/NDF: 2728607.6/41

In: 0.005+/-0.000 χ^2/NDF:2055725.9/41

Out: 0.005+/-0.000 χ^2/NDF:1731211.9/47

All: 0.005+/-0.000 χ^2/NDF: 3789076.6/89



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: -1.425+/-0.000 χ^2/NDF: 185255554504.8/22

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

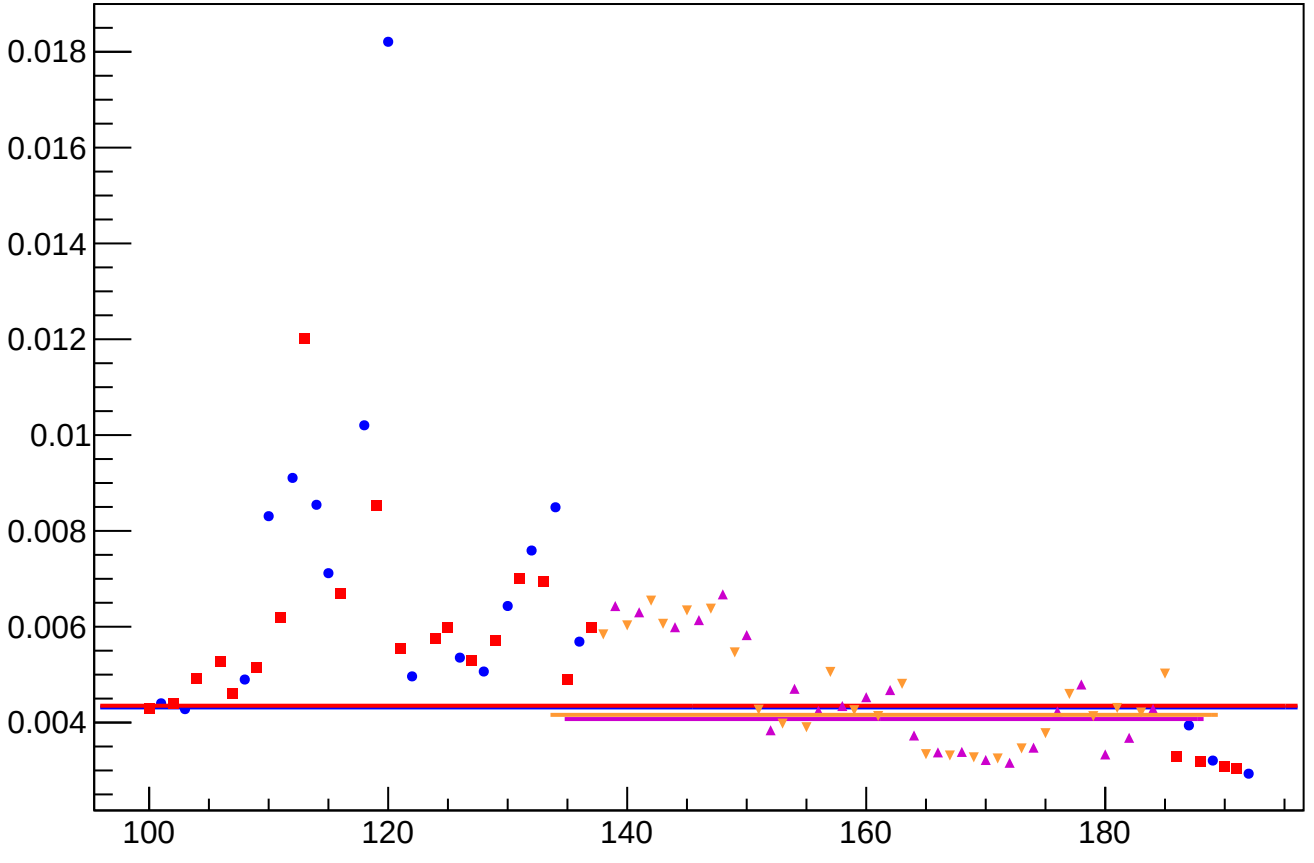
Right: -1.396+/-0.000 χ^2/NDF: 311139160336.5/41

In: -0.857+/-0.000 χ^2/NDF:274041993500.9/41

Out: -0.900+/-0.000 χ^2/NDF:359008308439.1/47

All: -0.879+/-0.000 χ^2/NDF: 634275837170.4

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: 1532649.3/22

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

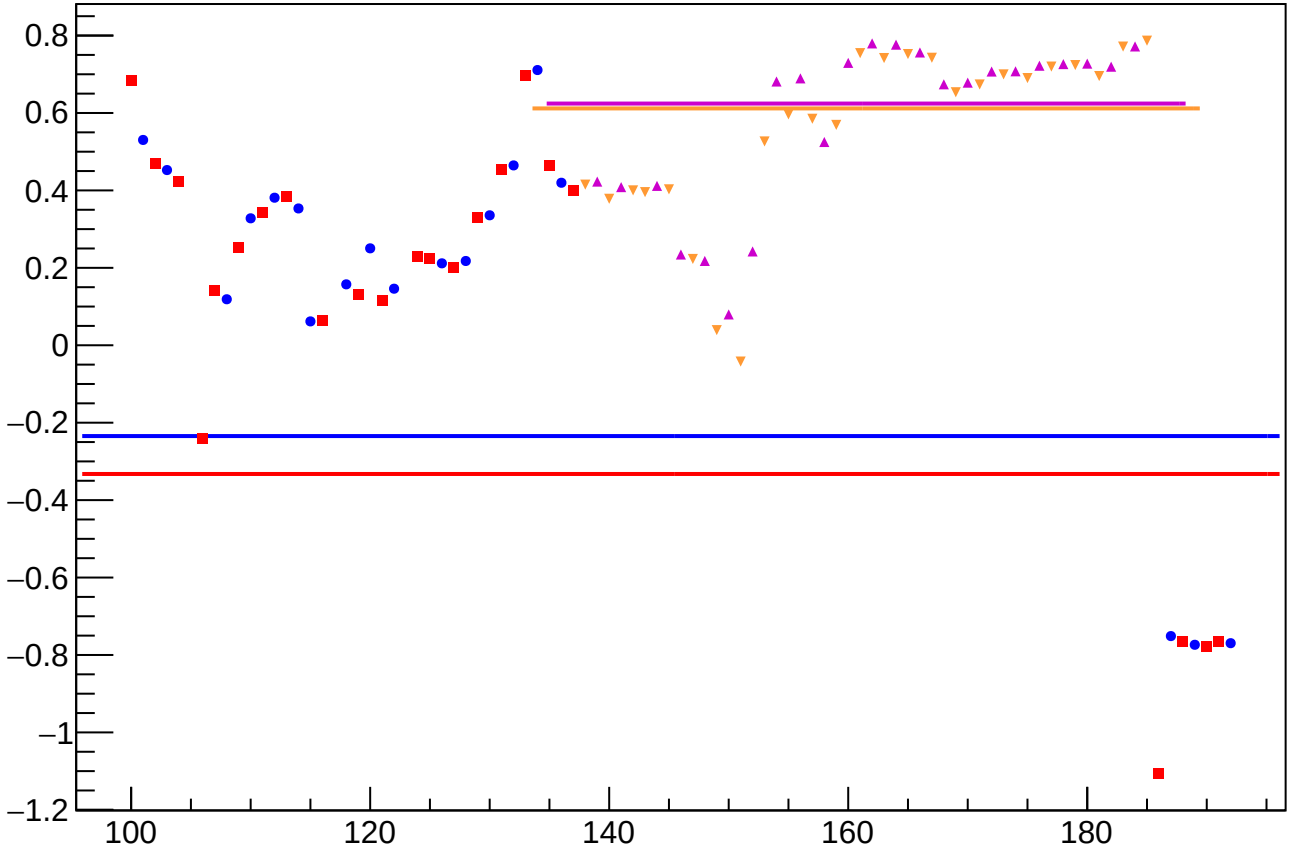
Right: 0.004+/-0.000 χ^2/NDF: 3528380.1/41

In: 0.004+/-0.000 χ^2/NDF:3776117.4/41

Out: 0.004+/-0.000 χ^2/NDF:3072965.5/47

All: 0.004+/-0.000 χ^2/NDF: 6856901.6/89

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: -0.332+/-0.000 χ^2/NDF: 336427325925.1/22

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

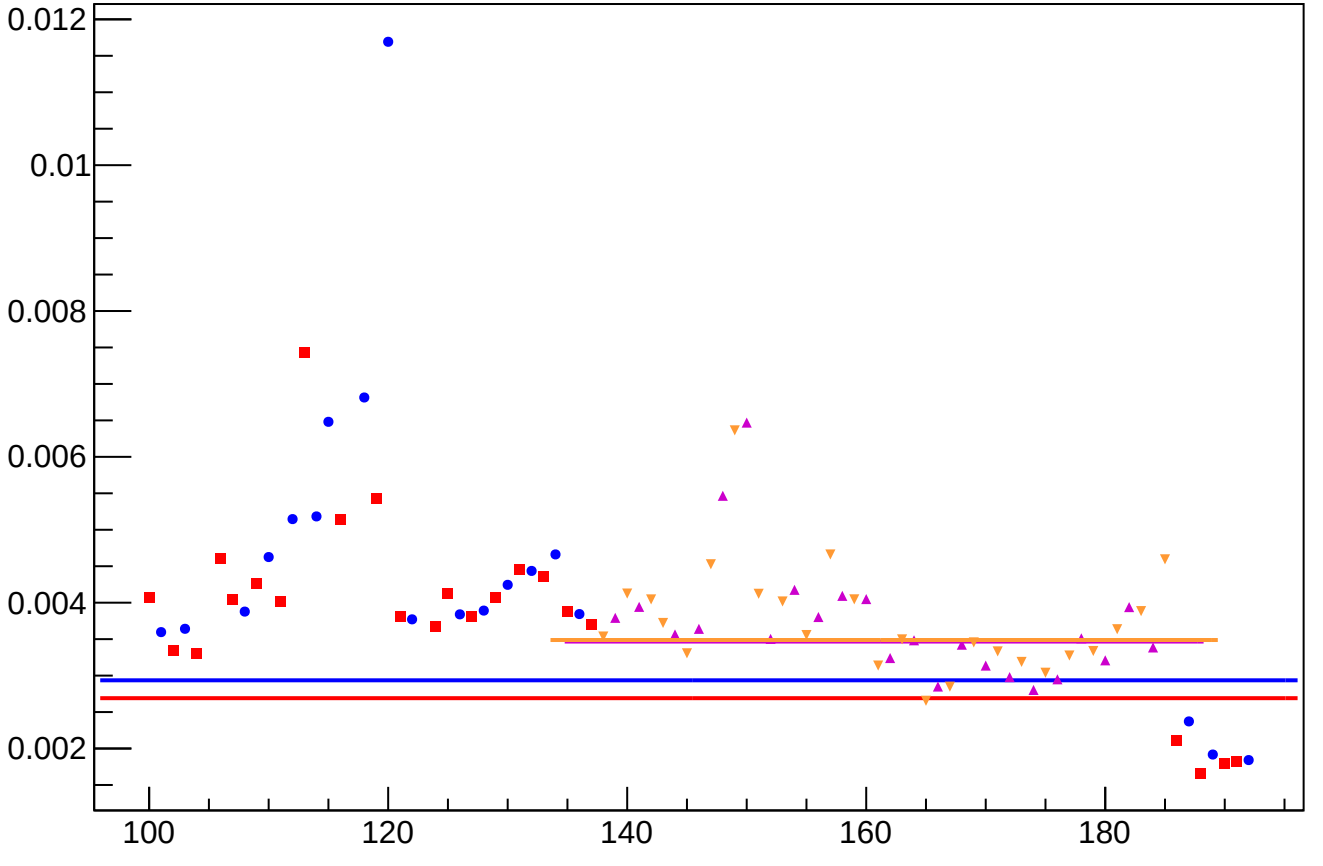
Right: -0.289+/-0.000 χ^2/NDF: 596030143510.7/41

In: 0.299+/-0.000 χ^2/NDF:650041596330.4/41

Out: 0.212+/-0.000 χ^2/NDF:880570767517.7/47

All: 0.253+/-0.000 χ^2/NDF: 1538828825285.

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: 0.003+/-0.000 χ^2/NDF: 2636210.9/22

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

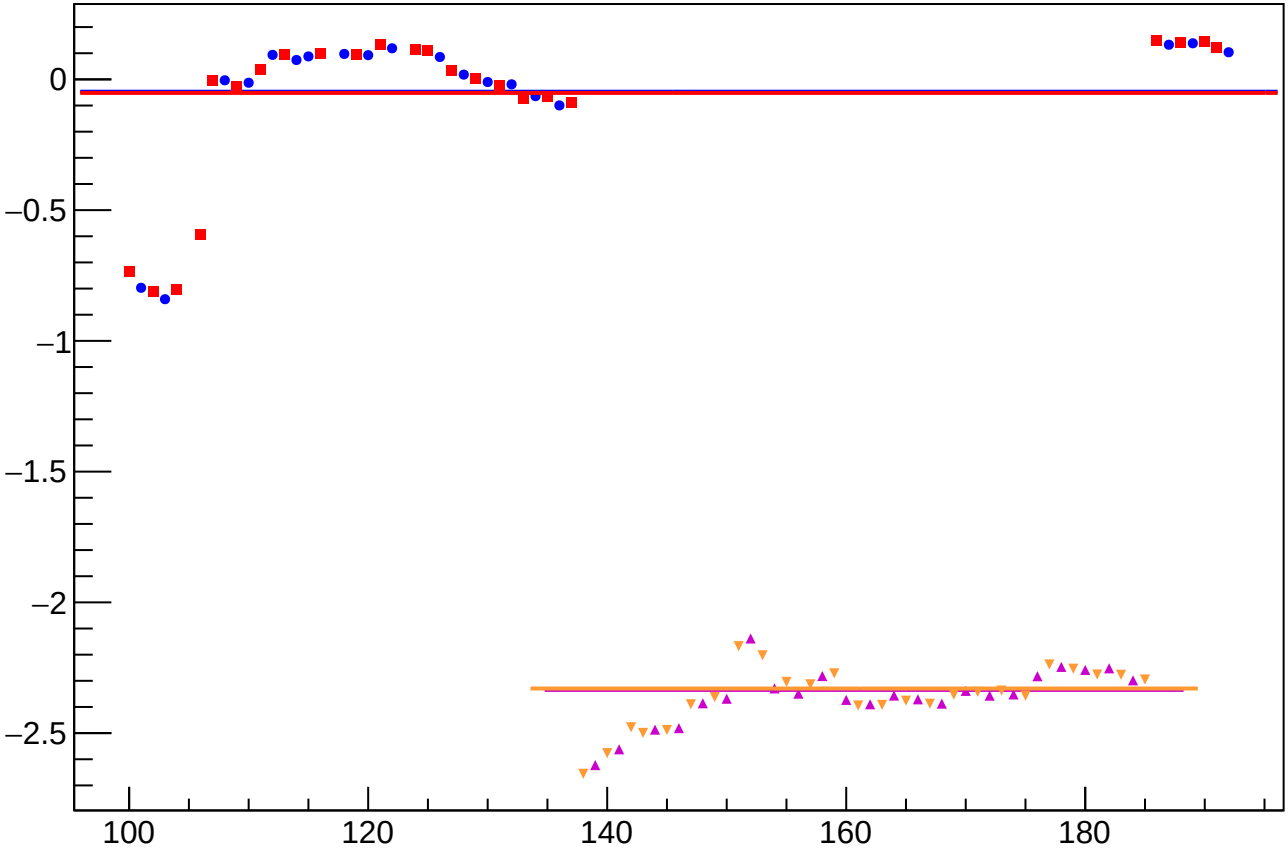
Right: 0.003+/-0.000 χ^2/NDF: 5050816.2/41

In: 0.003+/-0.000 χ^2/NDF:3528257.2/41

Out: 0.003+/-0.000 χ^2/NDF:4198241.5/47

All: 0.003+/-0.000 χ^2/NDF: 7755282.6/89

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: -0.052+/-0.000 χ^2/NDF: 7192171172.7/22

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

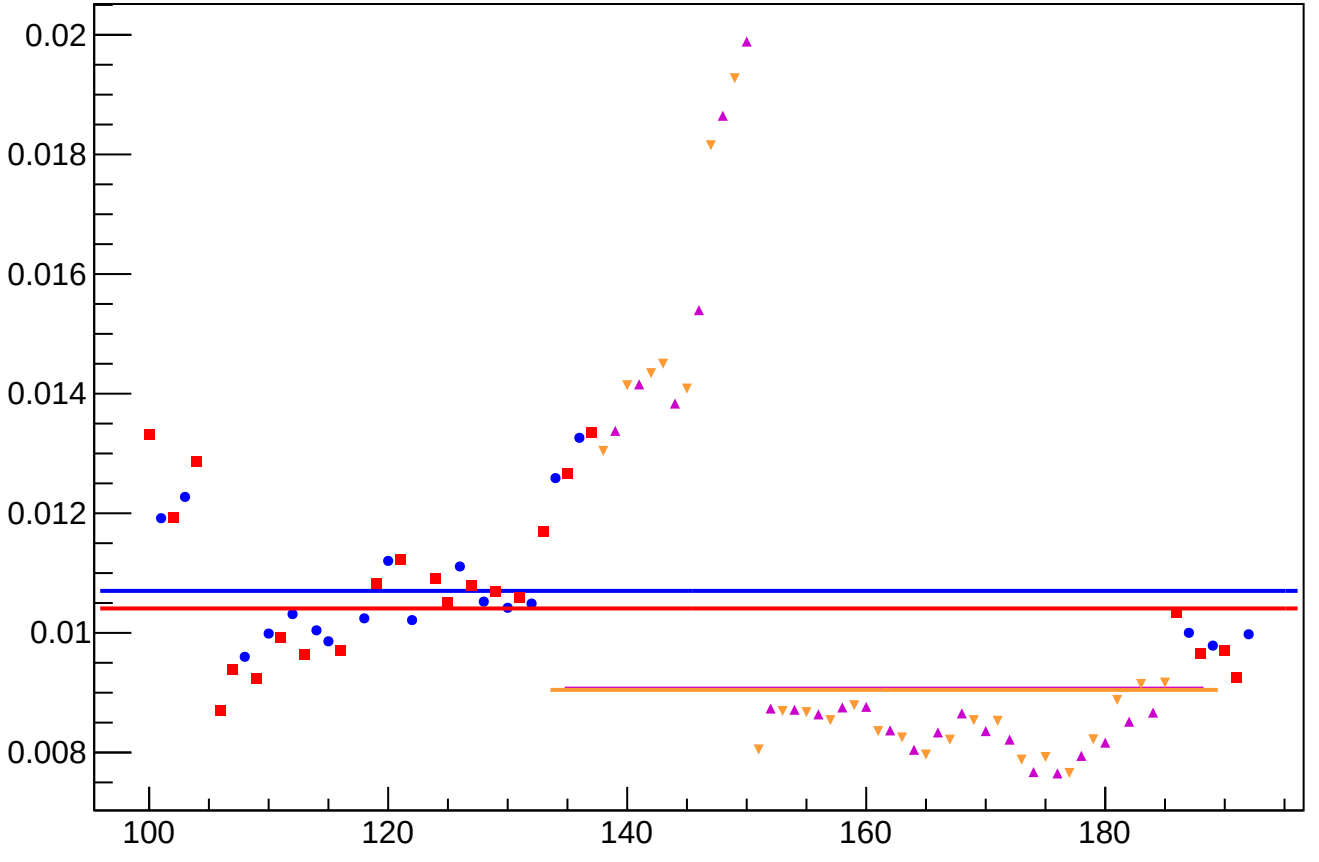
Right: -0.050+/-0.000 χ^2/NDF: 13288270563.3/41

In: -1.719+/-0.000 χ^2/NDF:301406843054.0/41

Out: -1.694+/-0.000 χ^2/NDF:330630901161.8/47

All: -1.706+/-0.000 χ^2/NDF: 632132365616.6

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: 219485.2/22

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

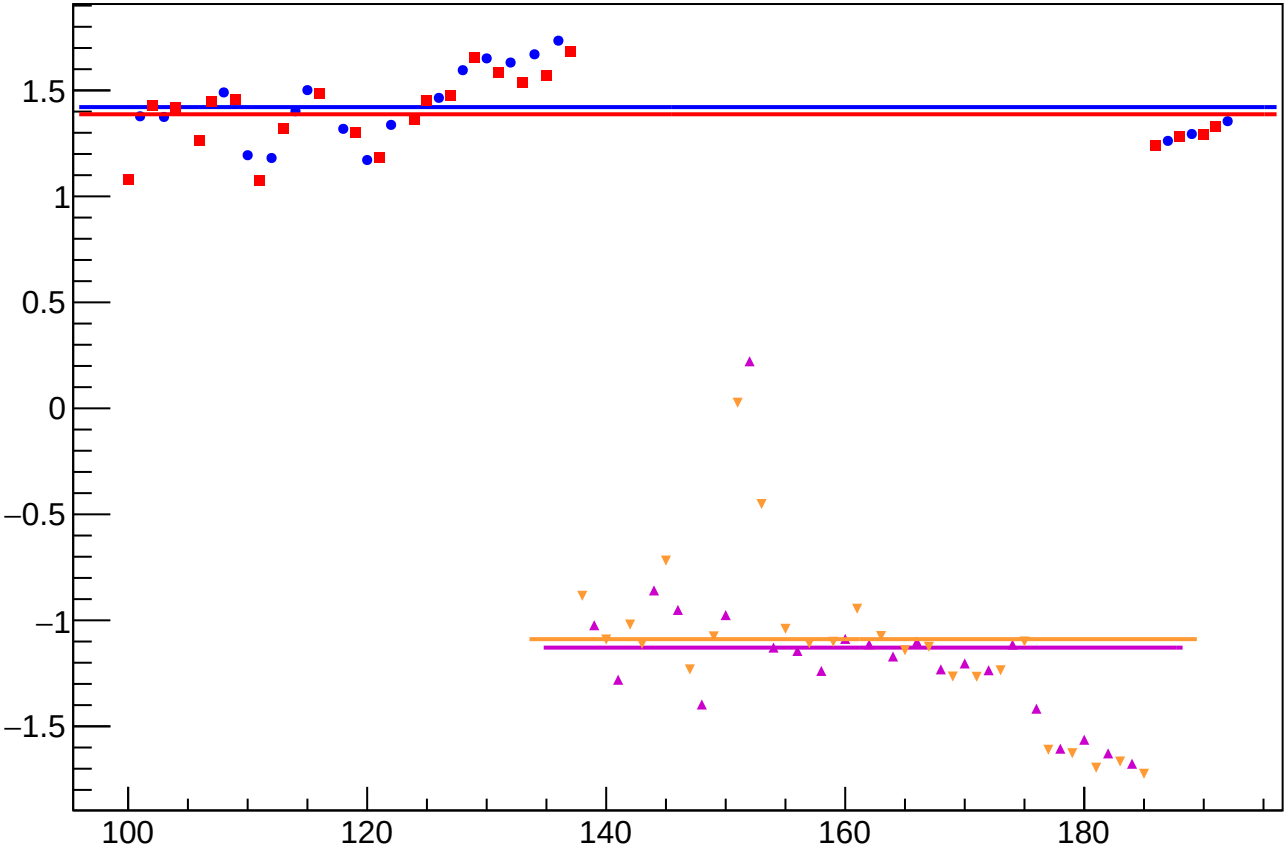
Right: 0.011+/-0.000 χ^2/NDF: 390340.4/41

In: 0.010+/-0.000 χ^2/NDF:2597878.4/41

Out: 0.009+/-0.000 χ^2/NDF:2497983.5/47

All: 0.009+/-0.000 χ^2/NDF: 5097805.3/89

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: 1.387+/-0.000 χ^2/NDF: 3346014288.0/22

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

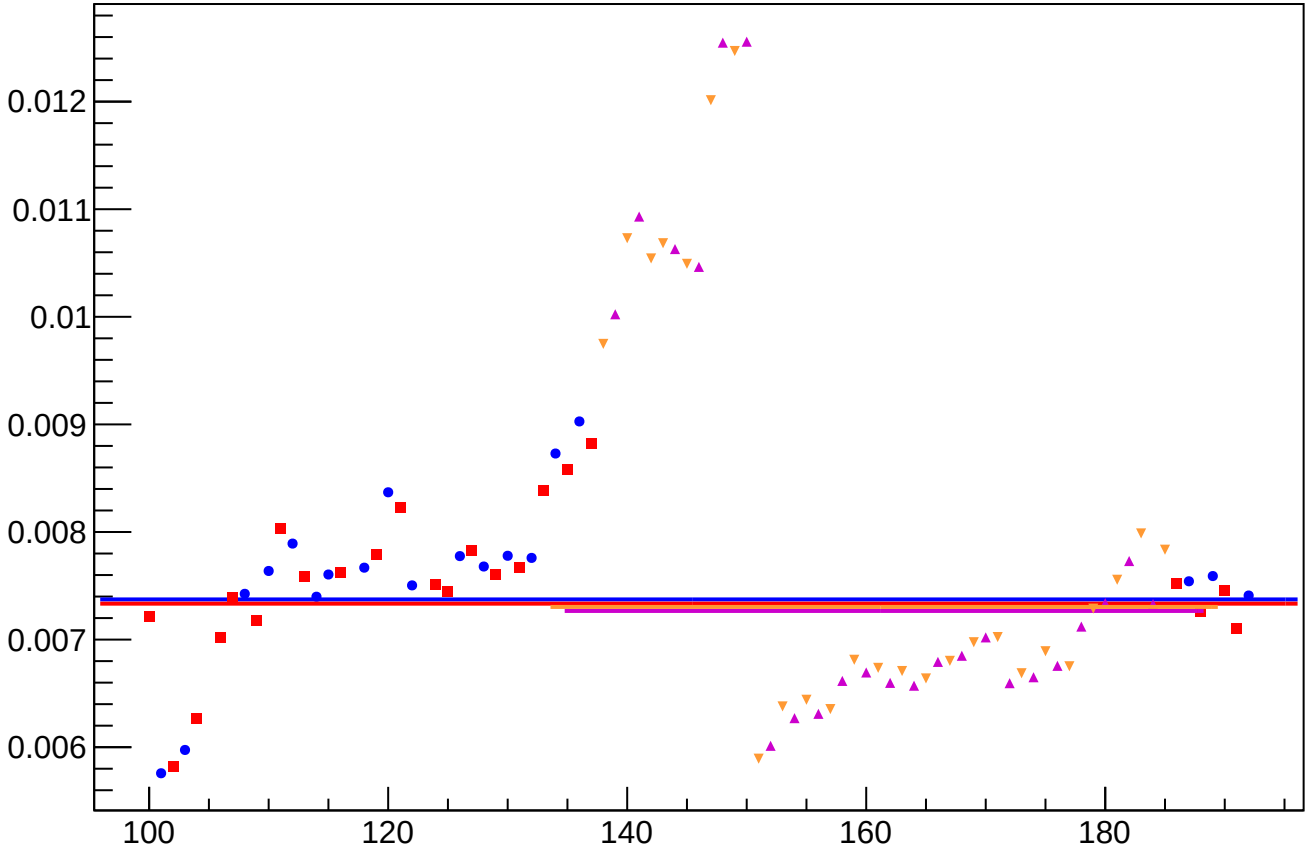
Right: 1.404+/-0.000 χ^2/NDF: 7547597537.8/41

In: -0.295+/-0.000 χ^2/NDF:766044527038.4/41

Out: -0.263+/-0.000 χ^2/NDF:772549482841.6/47

All: -0.279+/-0.000 χ^2/NDF: 1538854470022

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: 196807.7/22

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

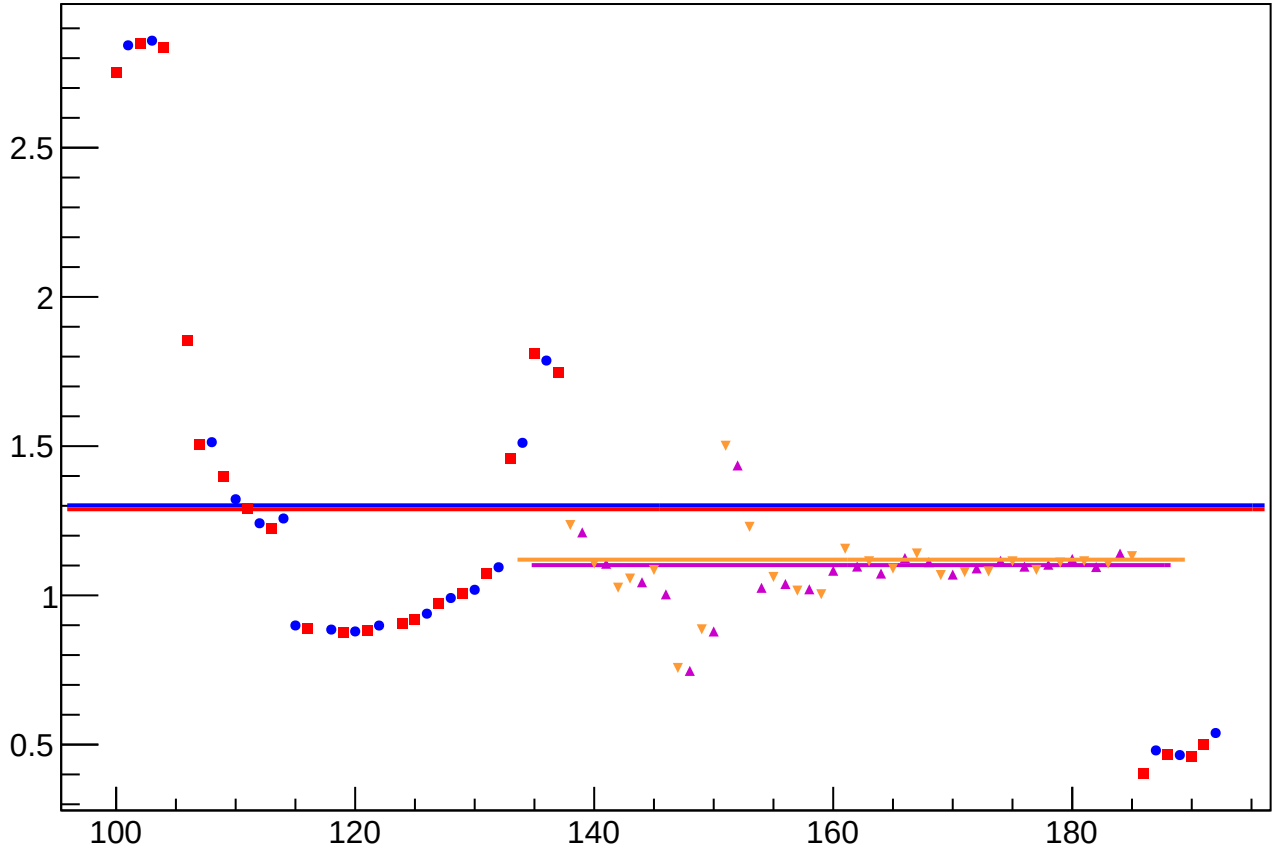
Right: 0.007+/-0.000 χ^2/NDF: 469161.6/41

In: 0.007+/-0.000 χ^2/NDF:1834664.7/41

Out: 0.007+/-0.000 χ^2/NDF:1701125.2/47

All: 0.007+/-0.000 χ^2/NDF: 3535867.9/89

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: 1.288+/-0.000 χ^2/NDF: 71245098533.5/22

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

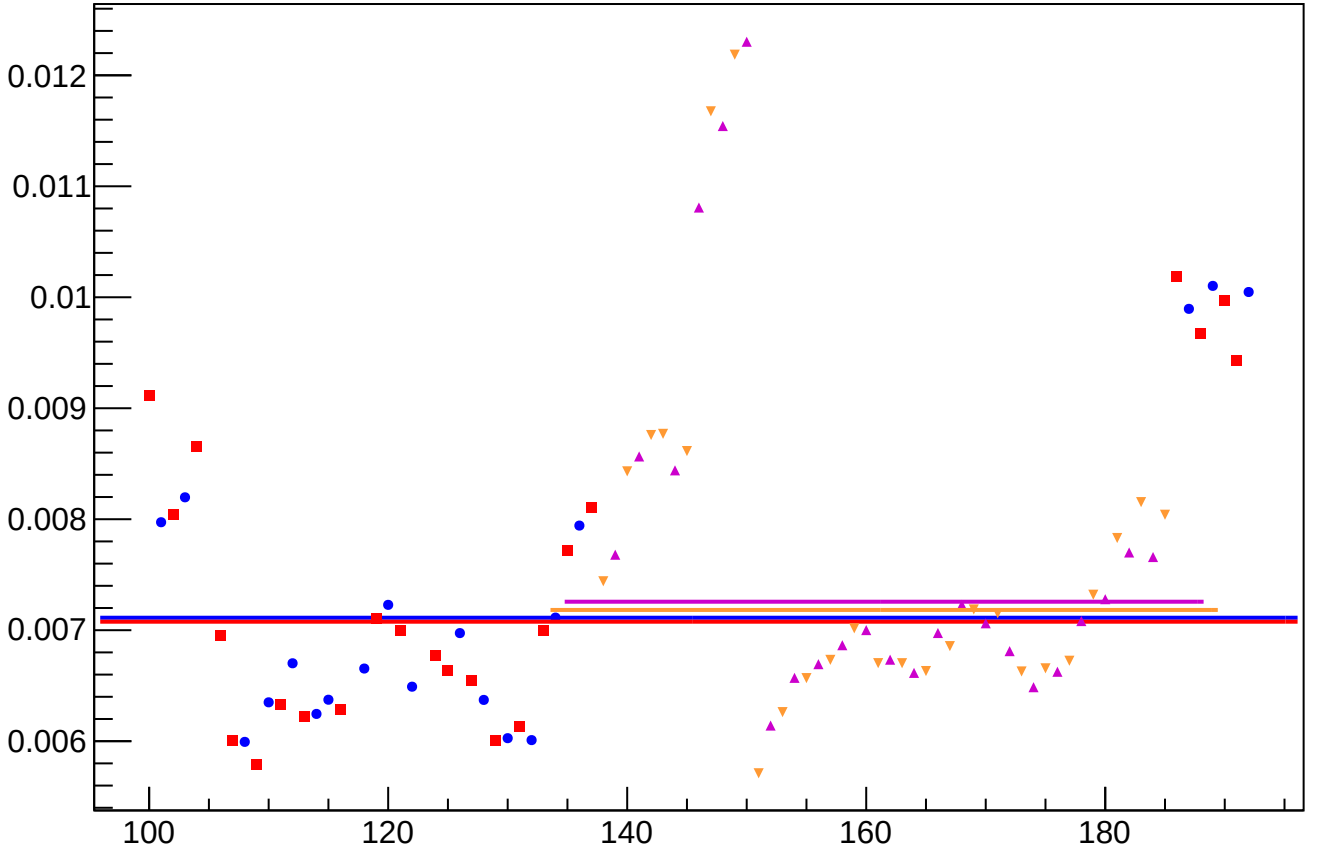
Right: 1.295+/-0.000 χ^2/NDF: 141499518698.0/41

In: 1.169+/-0.000 χ^2/NDF:78965933275.9/41

Out: 1.177+/-0.000 χ^2/NDF:80204278542.6/47

All: 1.173+/-0.000 χ^2/NDF: 159184606857.5

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: 538163.6/22

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

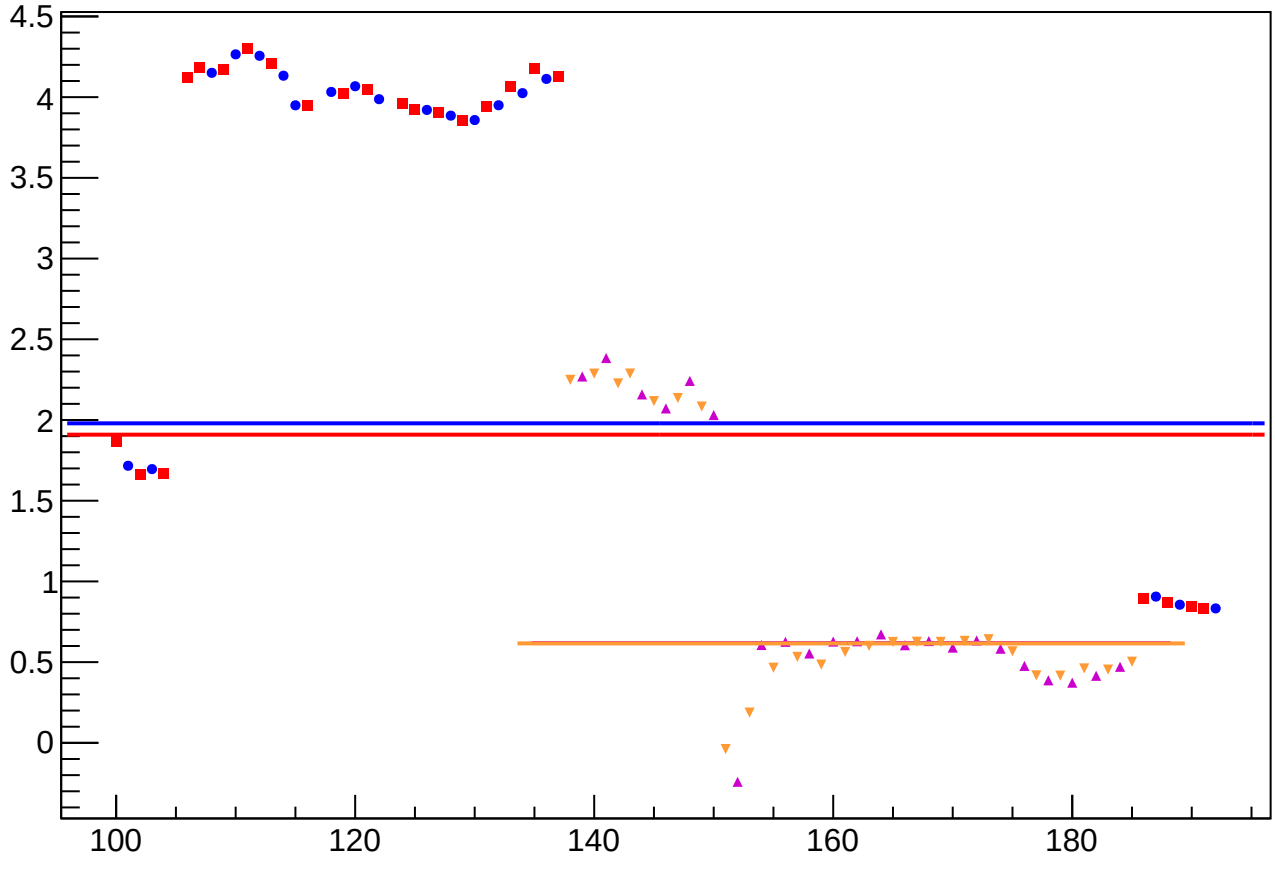
Right: 0.007+/-0.000 χ^2/NDF: 1021273.5/41

In: 0.007+/-0.000 χ^2/NDF:1404271.0/41

Out: 0.007+/-0.000 χ^2/NDF:1434682.7/47

All: 0.007+/-0.000 χ^2/NDF: 2840897.3/89

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: 1.909+/-0.000 χ^2/NDF: 1359644126411.4/22

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

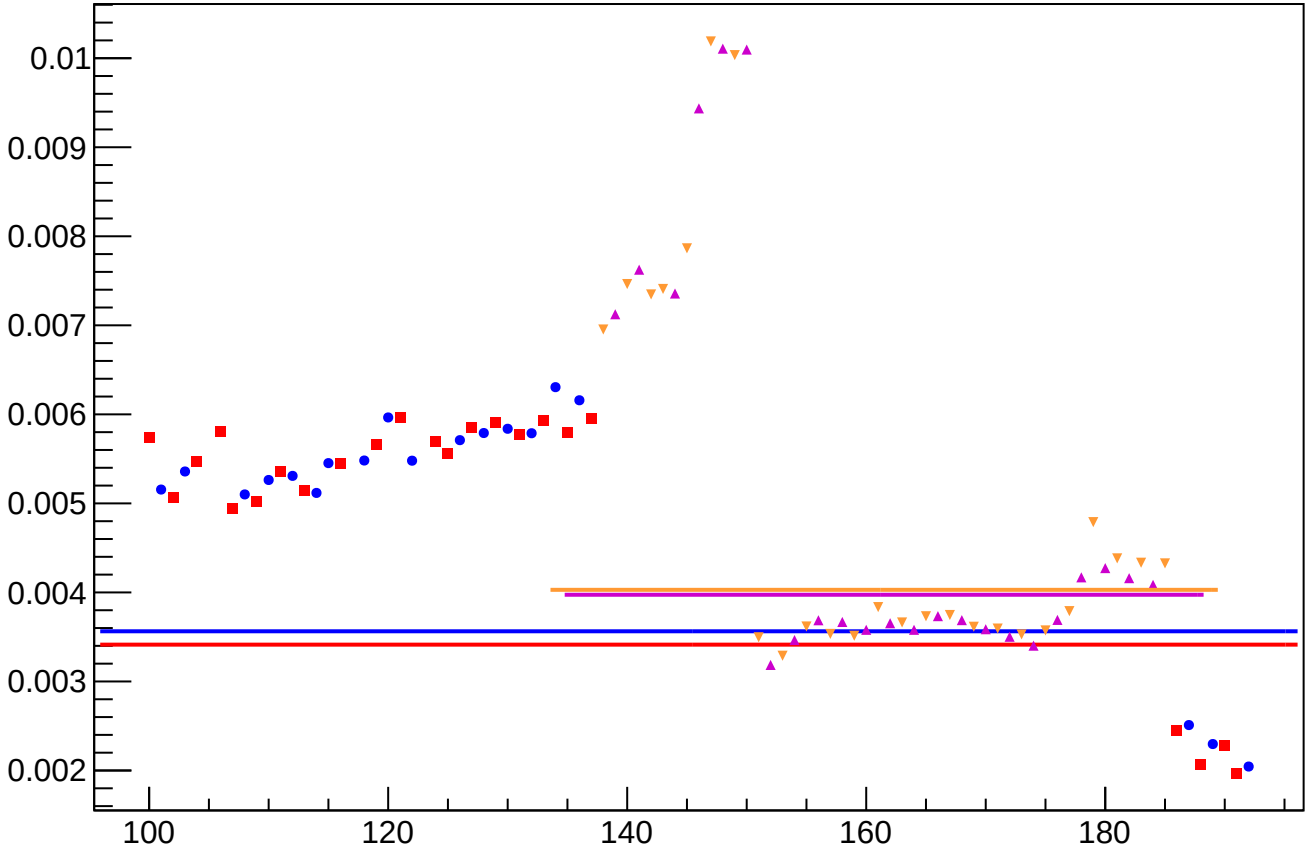
Right: 1.942+/-0.000 χ^2/NDF: 2584293499995.2/41

In: 1.098+/-0.000 χ^2/NDF:2147560046474.4/41

Out: 1.102+/-0.000 χ^2/NDF:2275911881254.5/47

All: 1.100+/-0.000 χ^2/NDF: 4423490581510.

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: 3470661.9/22

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

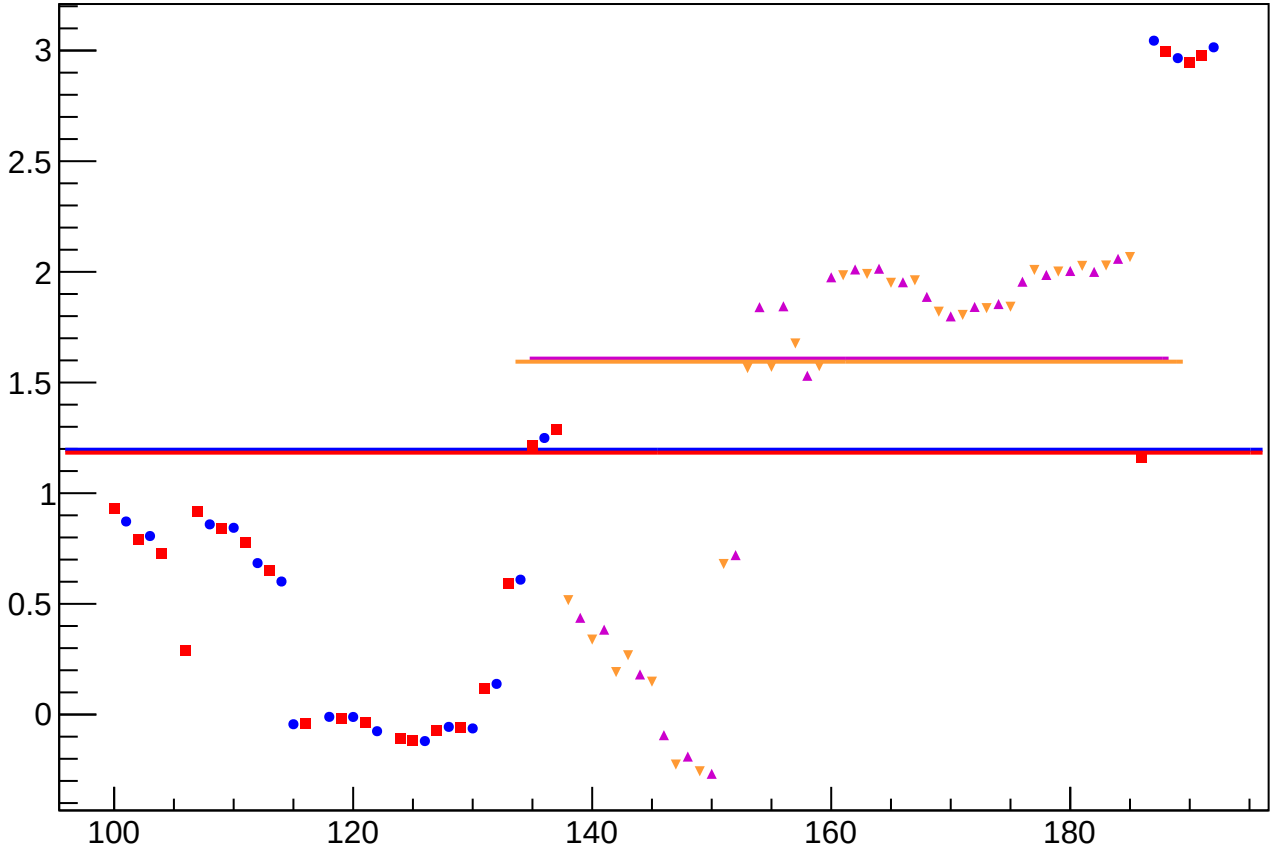
Right: 0.003+/-0.000 χ^2/NDF: 6735295.9/41

In: 0.004+/-0.000 χ^2/NDF:6494905.0/41

Out: 0.004+/-0.000 χ^2/NDF:6736915.3/47

All: 0.004+/-0.000 χ^2/NDF: 13233473.3/89

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: 1.183+/-0.000 χ^2/NDF: 74716820140.9/22

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

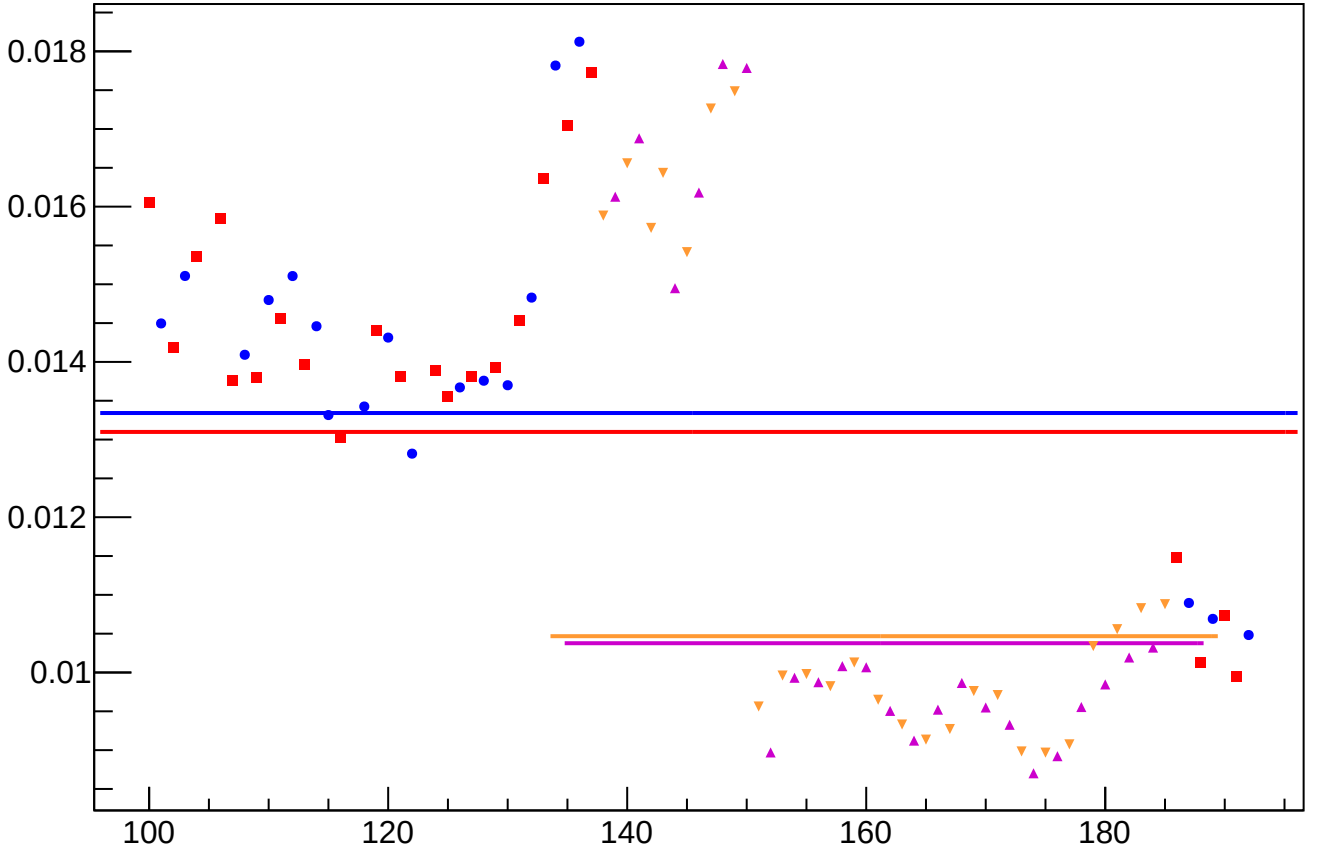
Right: 1.190+/-0.000 χ^2/NDF: 152113213594.3/41

In: 1.513+/-0.000 χ^2/NDF:150085682194.0/41

Out: 1.496+/-0.000 χ^2/NDF:144108430800.3/47

All: 1.504+/-0.000 χ^2/NDF: 294225863858.5

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: 470881.6/22

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

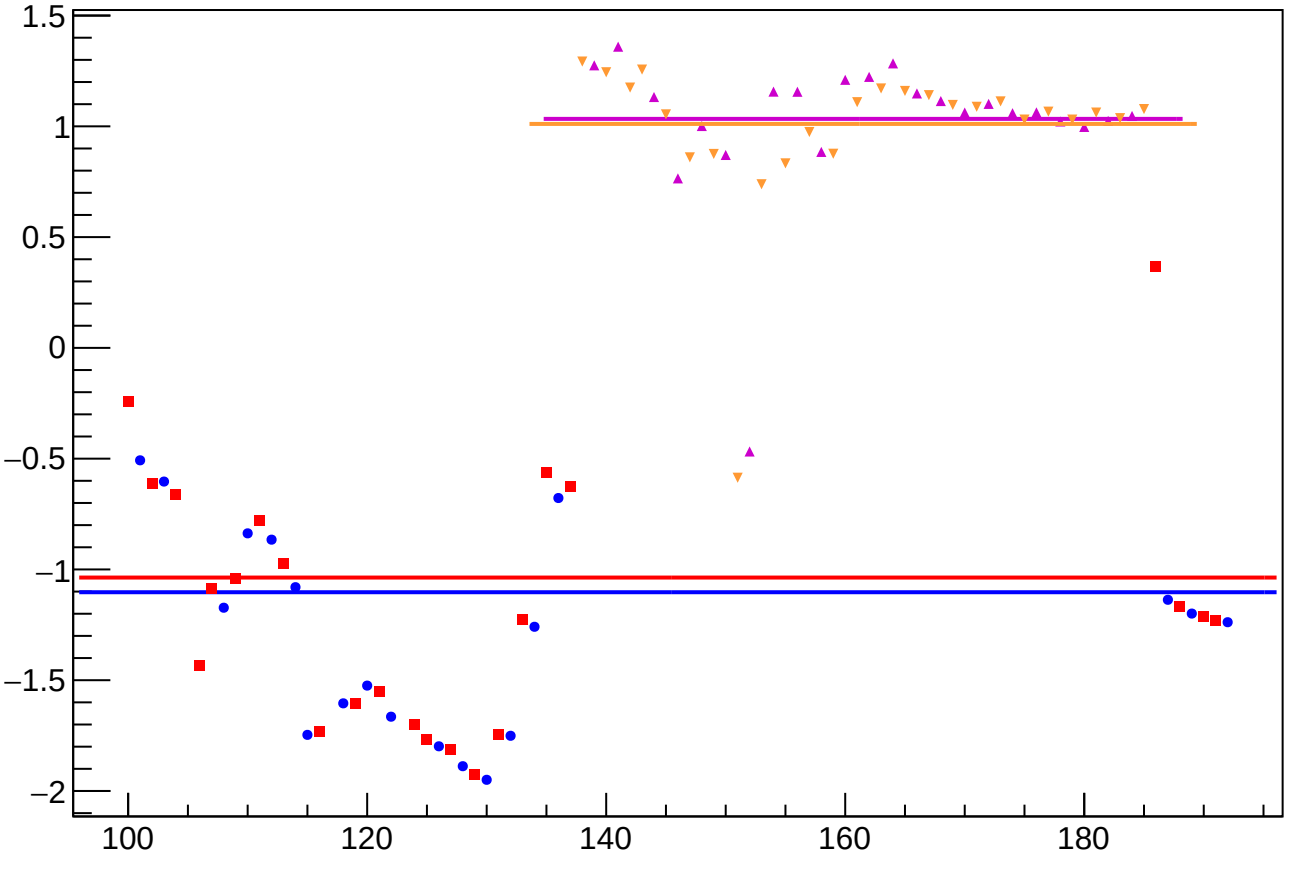
Right: 0.013+/-0.000 χ^2/NDF: 932365.2/41

In: 0.011+/-0.000 χ^2/NDF:2821989.7/41

Out: 0.011+/-0.000 χ^2/NDF:2685888.2/47

All: 0.011+/-0.000 χ^2/NDF: 5508153.0/89

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: -1.037+/-0.000 χ^2/NDF: 67205430317.6/22

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

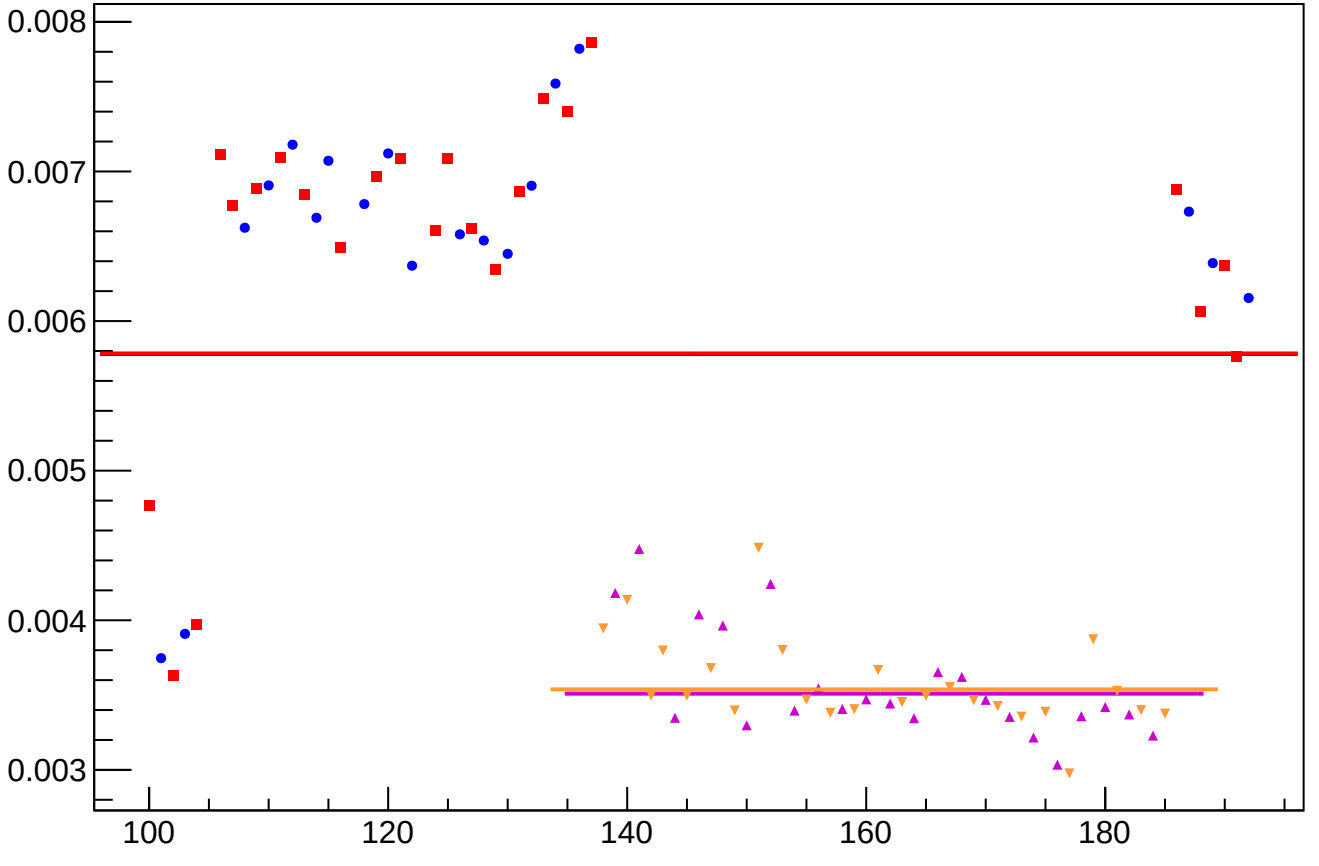
Right: -1.069+/-0.000 χ^2/NDF: 128175094551.0/41

In: 0.712+/-0.000 χ^2/NDF:1110687365879.5/41

Out: 0.703+/-0.000 χ^2/NDF:1065347270646.4/47

All: 0.707+/-0.000 χ^2/NDF: 2176104731473.

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: 1013865.2/22

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

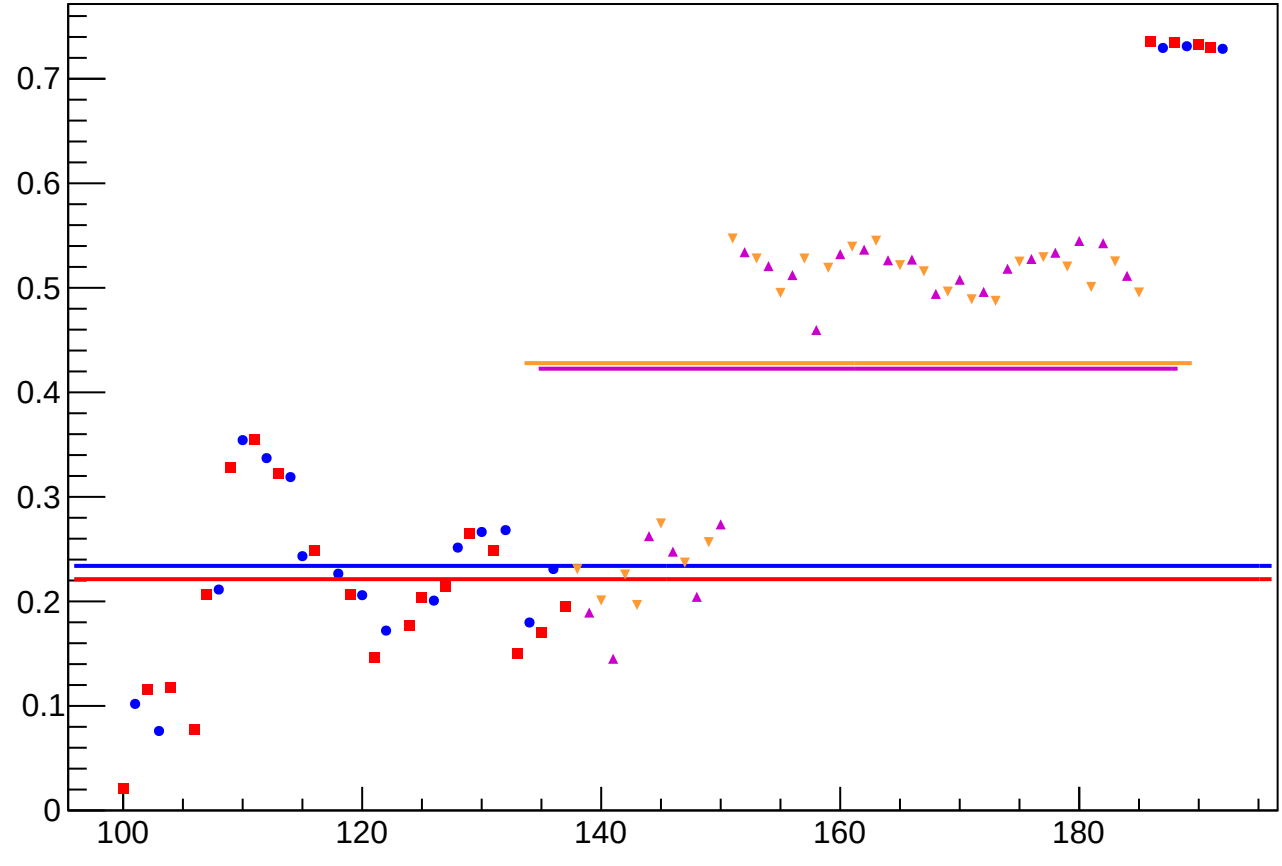
Right: 0.006+/-0.000 χ^2/NDF: 1986120.8/41

In: 0.004+/-0.000 χ^2/NDF:3345447.4/41

Out: 0.004+/-0.000 χ^2/NDF:3363361.1/47

All: 0.004+/-0.000 χ^2/NDF: 6709787.4/89

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: 0.221+/-0.000 χ^2/NDF: 55928813141.6/22

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

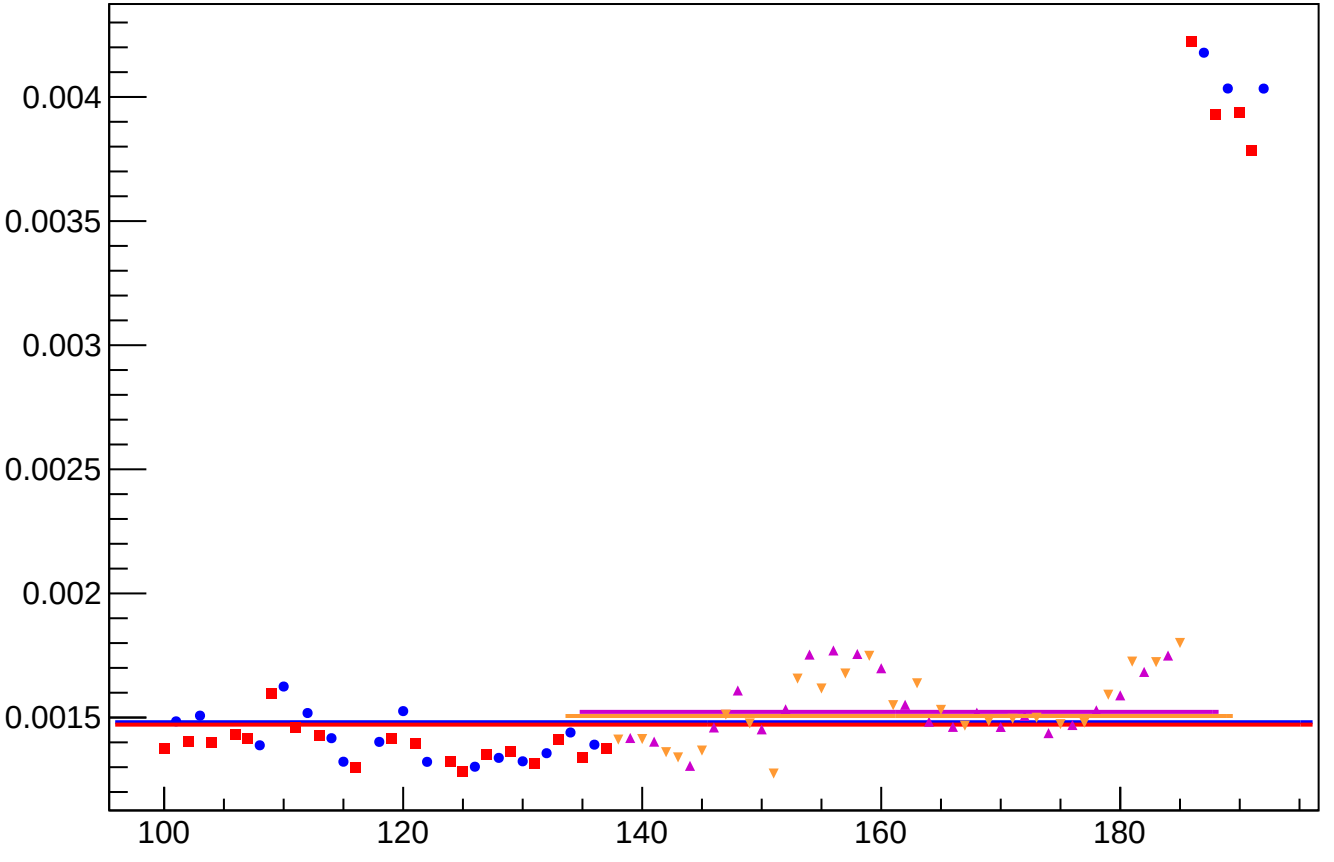
Right: 0.227+/-0.000 χ^2/NDF: 98844011511.9/41

In: 0.363+/-0.000 χ^2/NDF:288401155177.1/41

Out: 0.362+/-0.000 χ^2/NDF:323845893231.8/47

All: 0.362+/-0.000 χ^2/NDF: 612248459632.1

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 1438391.5/18

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 1628179.8/22

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

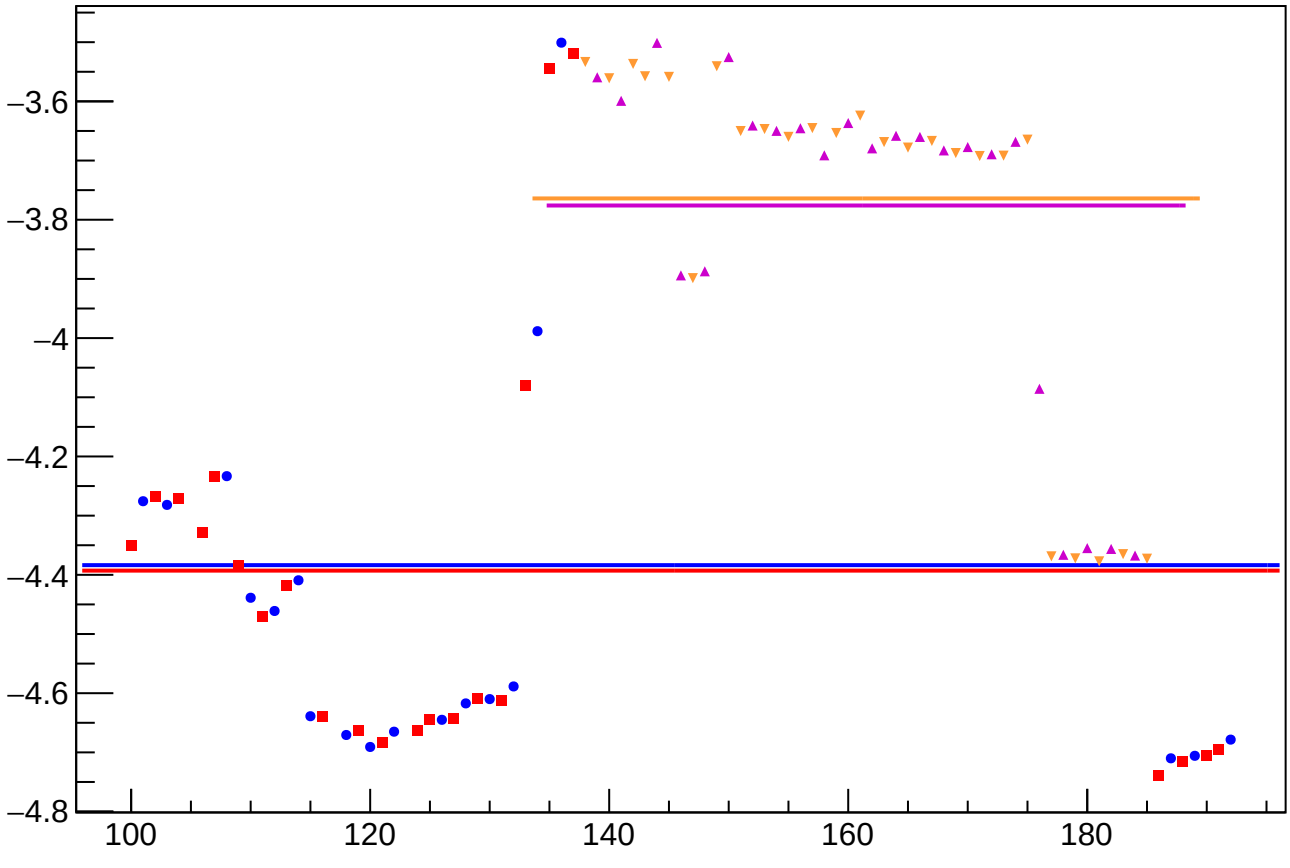
Right: 0.001+/-0.000 χ^2/NDF: 3066926.5/41

In: 0.002+/-0.000 χ^2/NDF:1681658.9/41

Out: 0.001+/-0.000 χ^2/NDF:1913546.3/47

All: 0.002+/-0.000 χ^2/NDF: 3597679.3/89

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: -4.393+/-0.000 χ^2/NDF: 317928525488.0/22

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

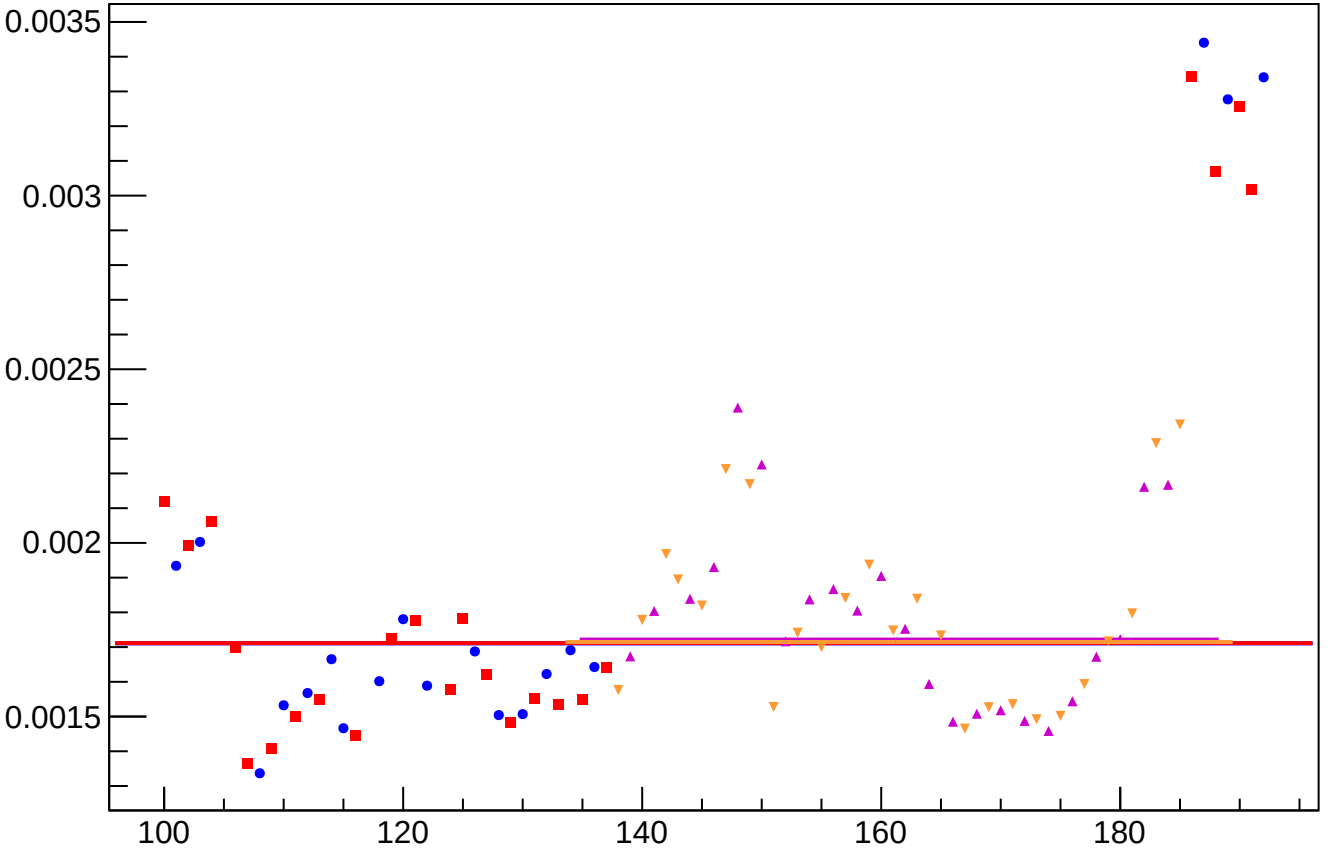
Right: -4.388+/-0.000 χ^2/NDF: 685623733764.9/41

In: -3.969+/-0.000 χ^2/NDF:1466485635348.4/41

Out: -3.964+/-0.000 χ^2/NDF:1594963069850.8/47

All: -3.967+/-0.000 χ^2/NDF: 3061568040572

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: 1047930.7/22

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

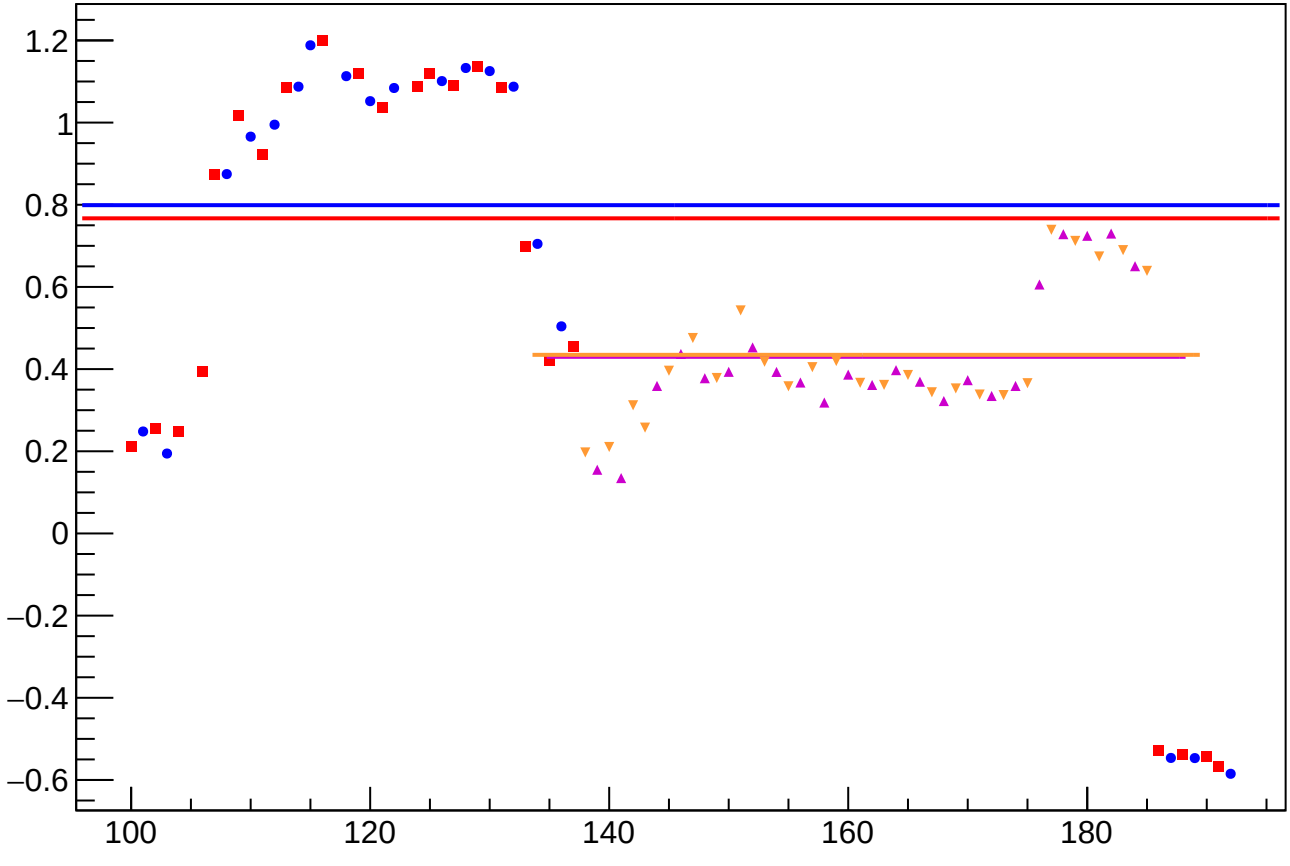
Right: 0.002+/-0.000 χ^2/NDF: 1999114.2/41

In: 0.002+/-0.000 χ^2/NDF:1533508.7/41

Out: 0.002+/-0.000 χ^2/NDF:1610310.6/47

All: 0.002+/-0.000 χ^2/NDF: 3144009.3/89

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: 0.767+/-0.000 χ^2/NDF: 52973589362.3/22

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

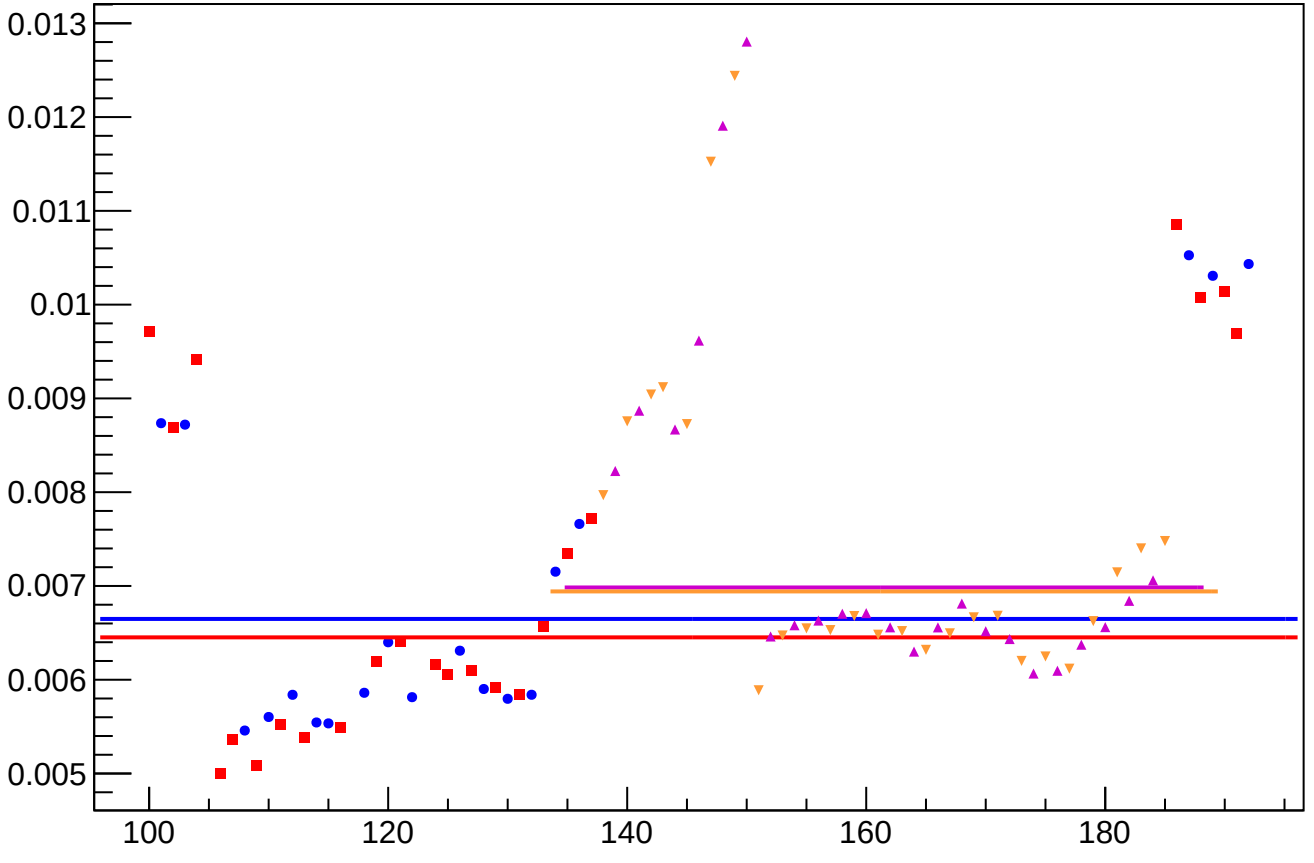
Right: 0.782+/-0.000 χ^2/NDF: 99316002105.2/41

In: 0.557+/-0.000 χ^2/NDF:72335438368.1/41

Out: 0.553+/-0.000 χ^2/NDF:76720354600.7/47

All: 0.555+/-0.000 χ^2/NDF: 149061702741.7

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: 0.006+/-0.000 χ^2/NDF: 1012485.9/22

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

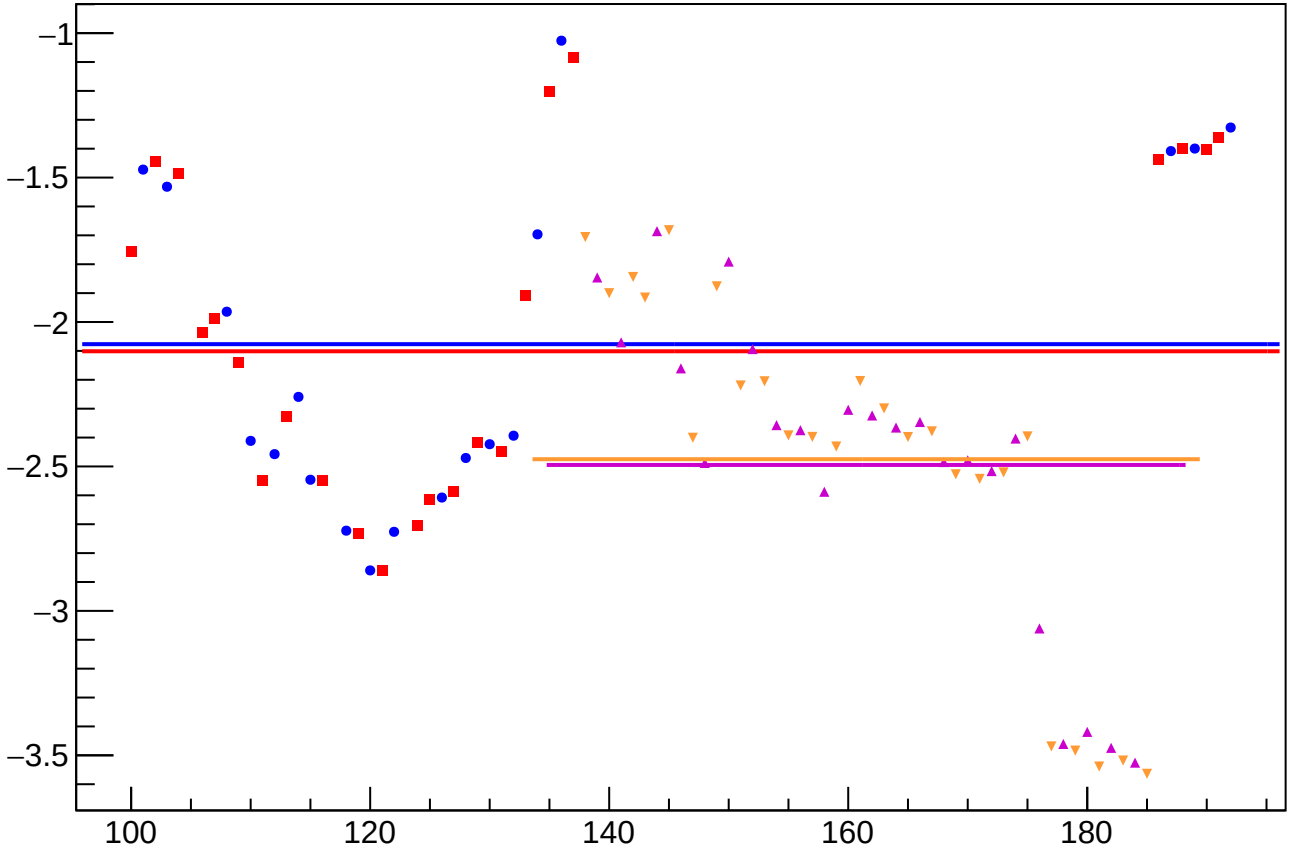
Right: 0.007+/-0.000 χ^2/NDF: 1833581.5/41

In: 0.007+/-0.000 χ^2/NDF:1977996.1/41

Out: 0.007+/-0.000 χ^2/NDF:2169656.6/47

All: 0.007+/-0.000 χ^2/NDF: 4153470.7/89

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: -2.101+/-0.000 χ^2/NDF: 68973246500.3/22

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

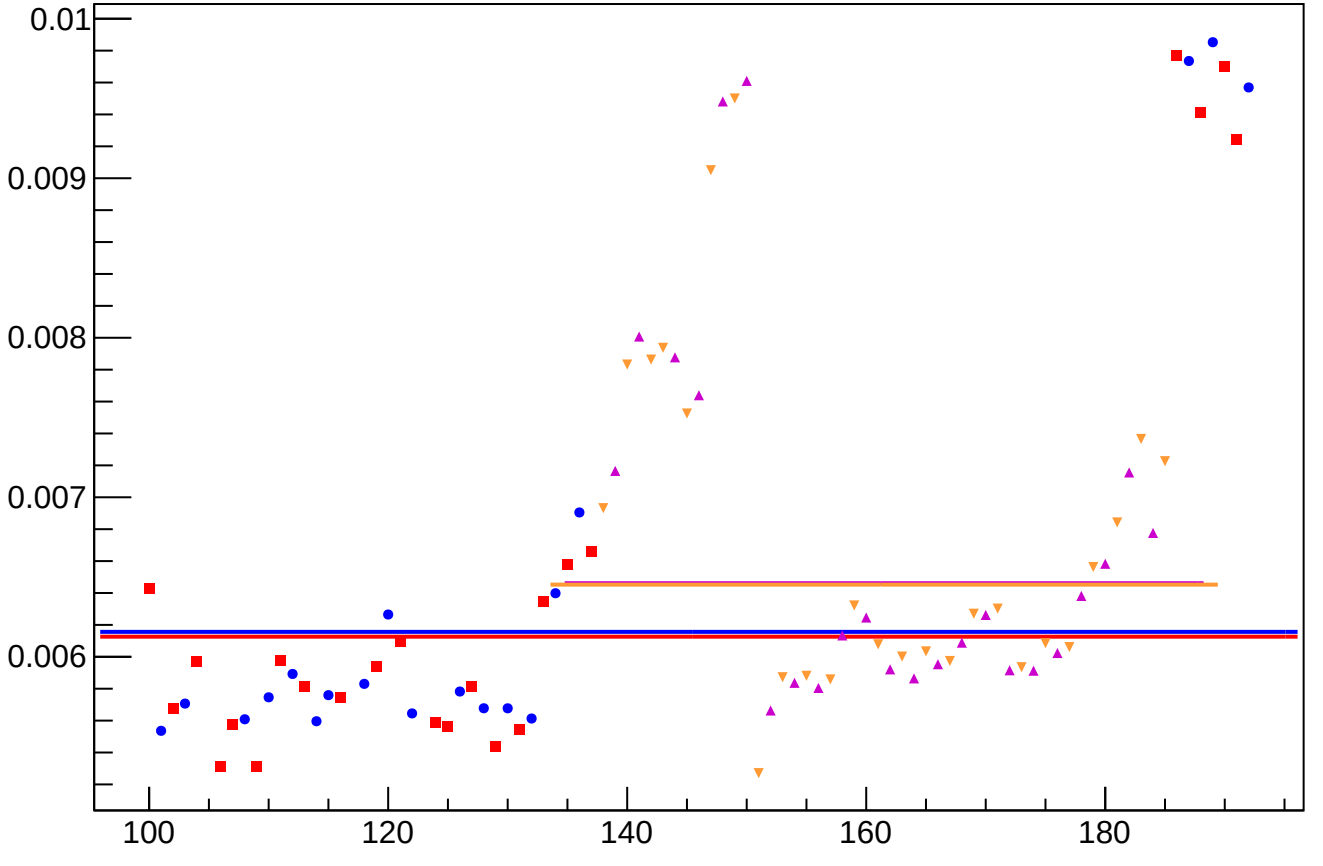
Right: -2.089+/-0.000 χ^2/NDF: 144741256856.9/41

In: -2.350+/-0.000 χ^2/NDF:198460245316.7/41

Out: -2.345+/-0.000 χ^2/NDF:214058049663.4/47

All: -2.347+/-0.000 χ^2/NDF: 412527919126.5

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: 598995.7/22

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

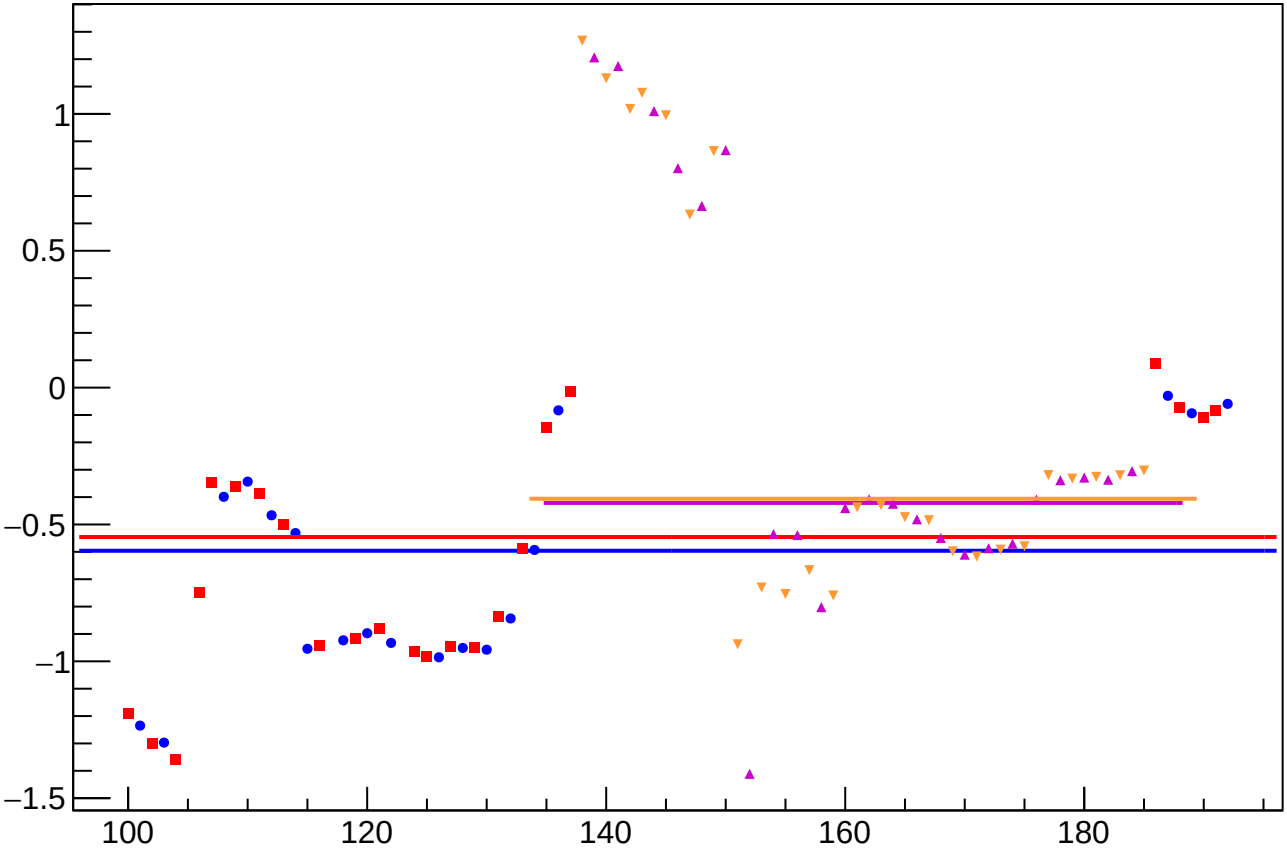
Right: 0.006+/-0.000 χ^2/NDF: 1140066.6/41

In: 0.006+/-0.000 χ^2/NDF:1289175.3/41

Out: 0.006+/-0.000 χ^2/NDF:1345994.0/47

All: 0.006+/-0.000 χ^2/NDF: 2635367.8/89

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: -0.546+/-0.000 χ^2/NDF: 20732878333.0/22

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

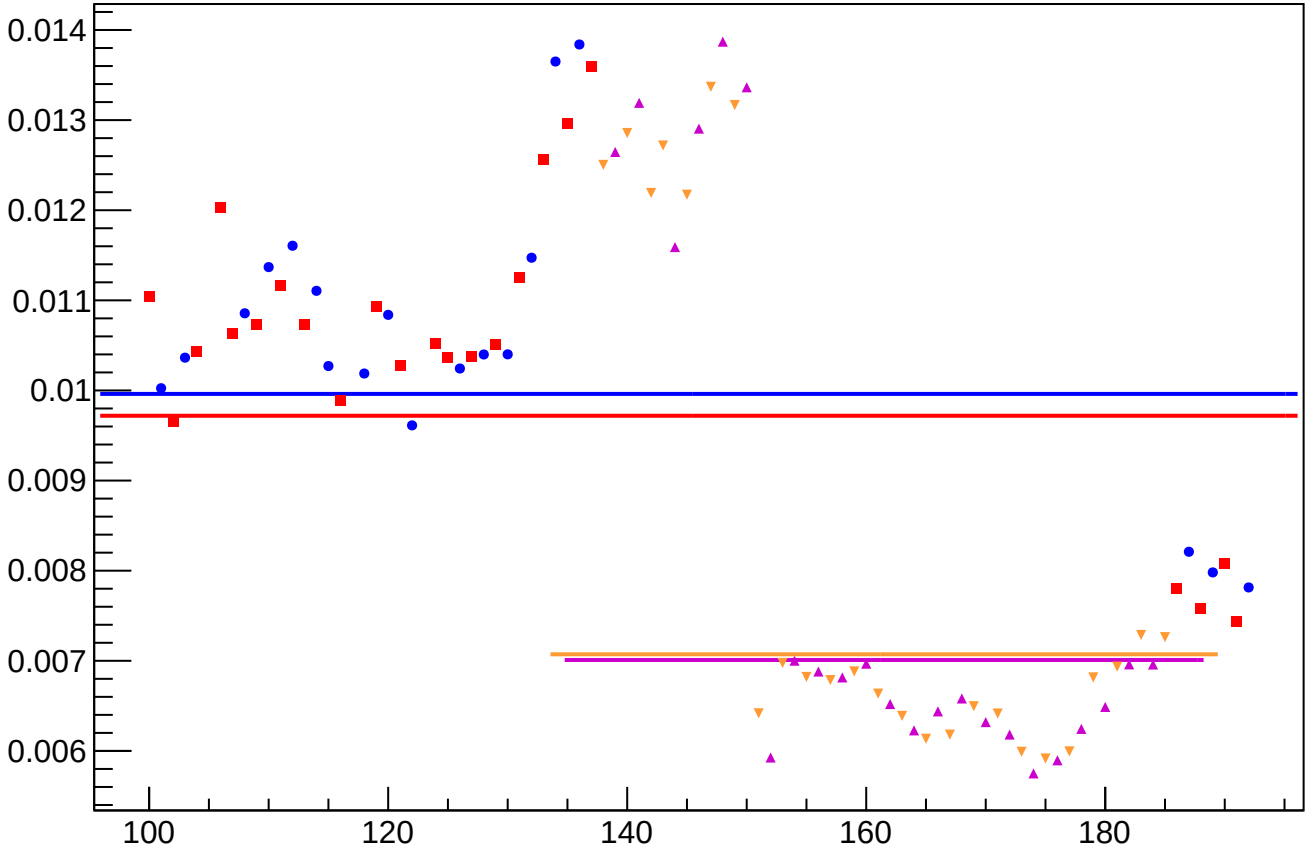
Right: -0.570+/-0.000 χ^2/NDF: 38657335011.5/41

In: -0.456+/-0.000 χ^2/NDF:110151518849.1/41

Out: -0.435+/-0.000 χ^2/NDF:103829748824.8/47

All: -0.446+/-0.000 χ^2/NDF: 214077298054.3

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: 0.010+/-0.000 χ^2/NDF: 517874.0/22

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

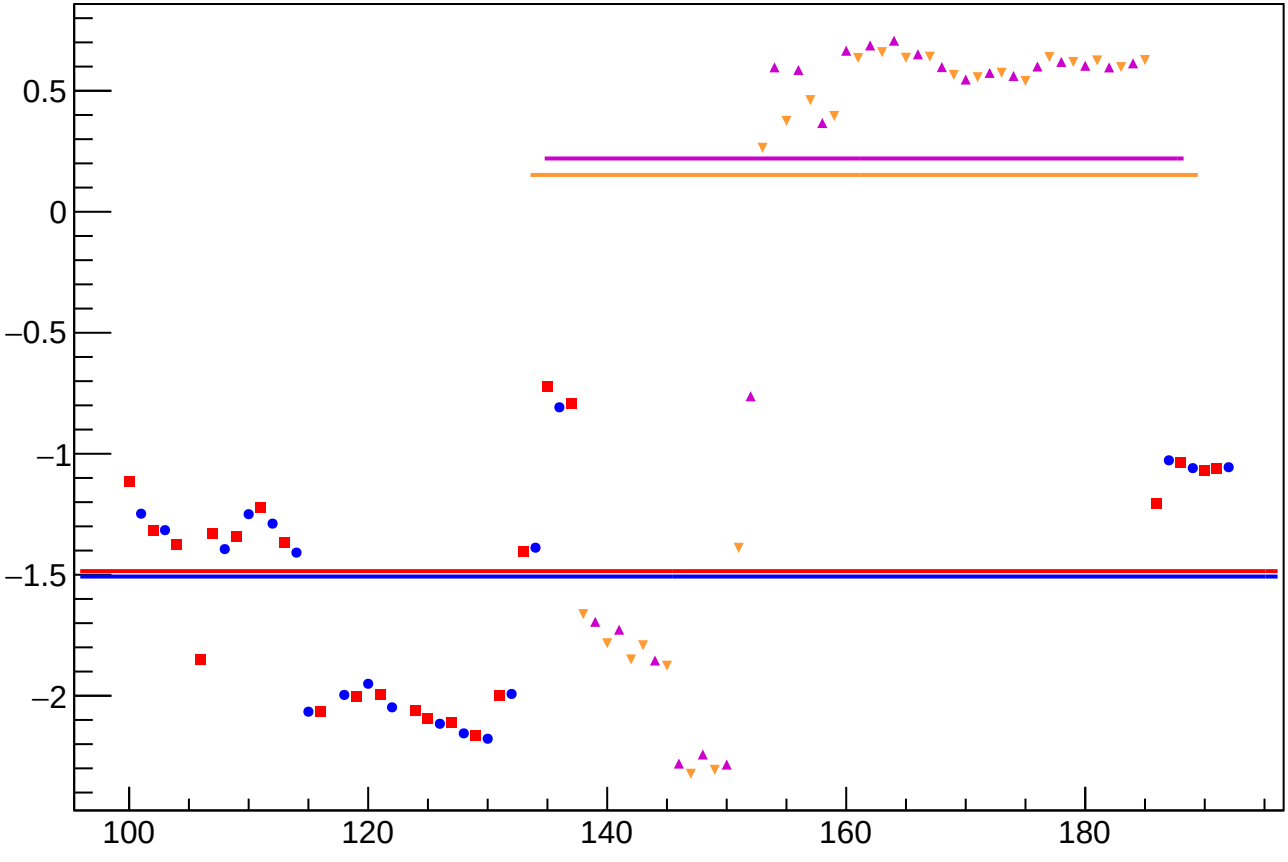
Right: 0.010+/-0.000 χ^2/NDF: 1004064.1/41

In: 0.008+/-0.000 χ^2/NDF:4134258.3/41

Out: 0.008+/-0.000 χ^2/NDF:3950686.2/47

All: 0.008+/-0.000 χ^2/NDF: 8085257.4/89

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: -1.485+/-0.000 χ^2/NDF: 160495605145.0/22

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

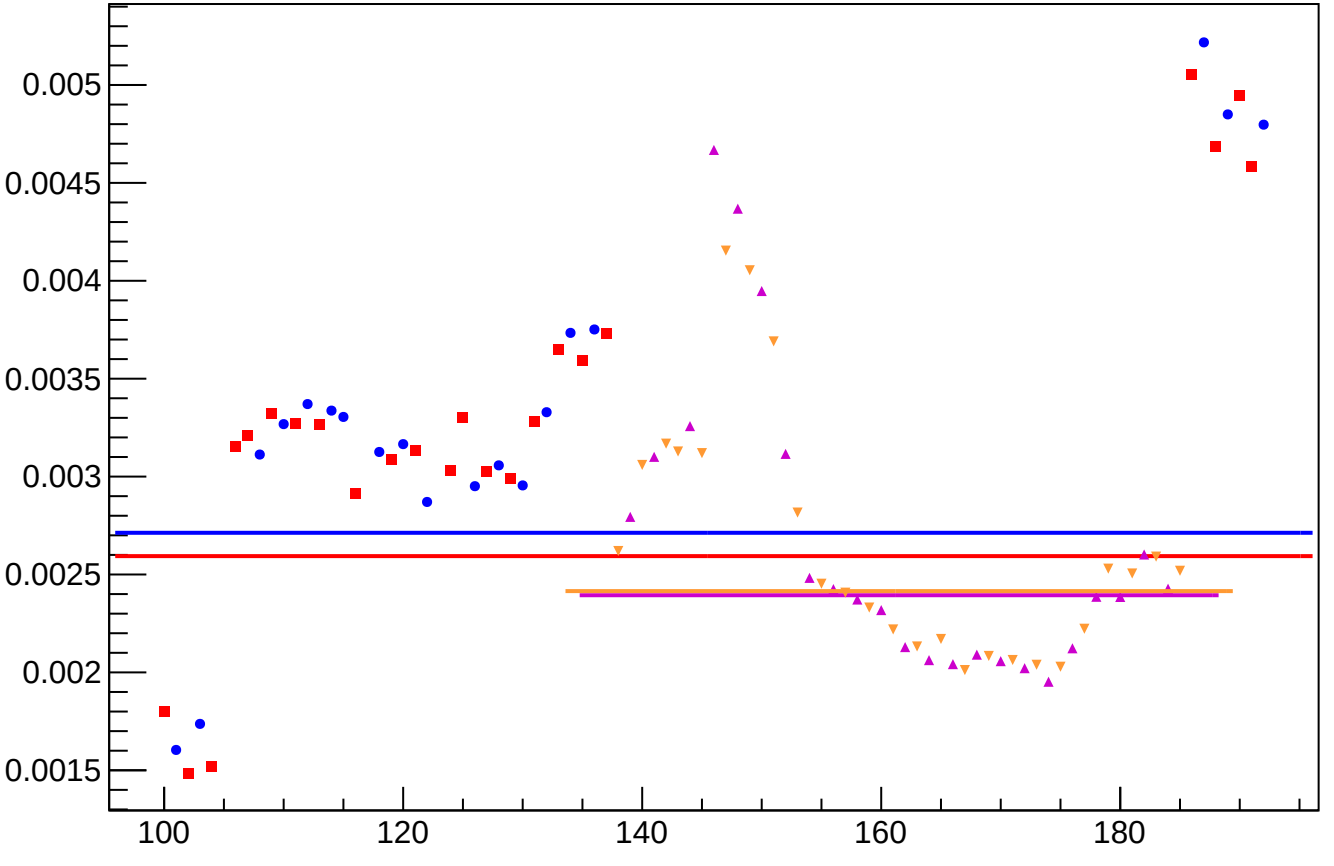
Right: -1.496+/-0.000 χ^2/NDF: 338380544636.2/41

In: -0.235+/-0.000 χ^2/NDF:4492366744358.8/41

Out: -0.295+/-0.000 χ^2/NDF:4703481405092.0/47

All: -0.266+/-0.000 χ^2/NDF: 9202940294501

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: 2418397.7/22

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

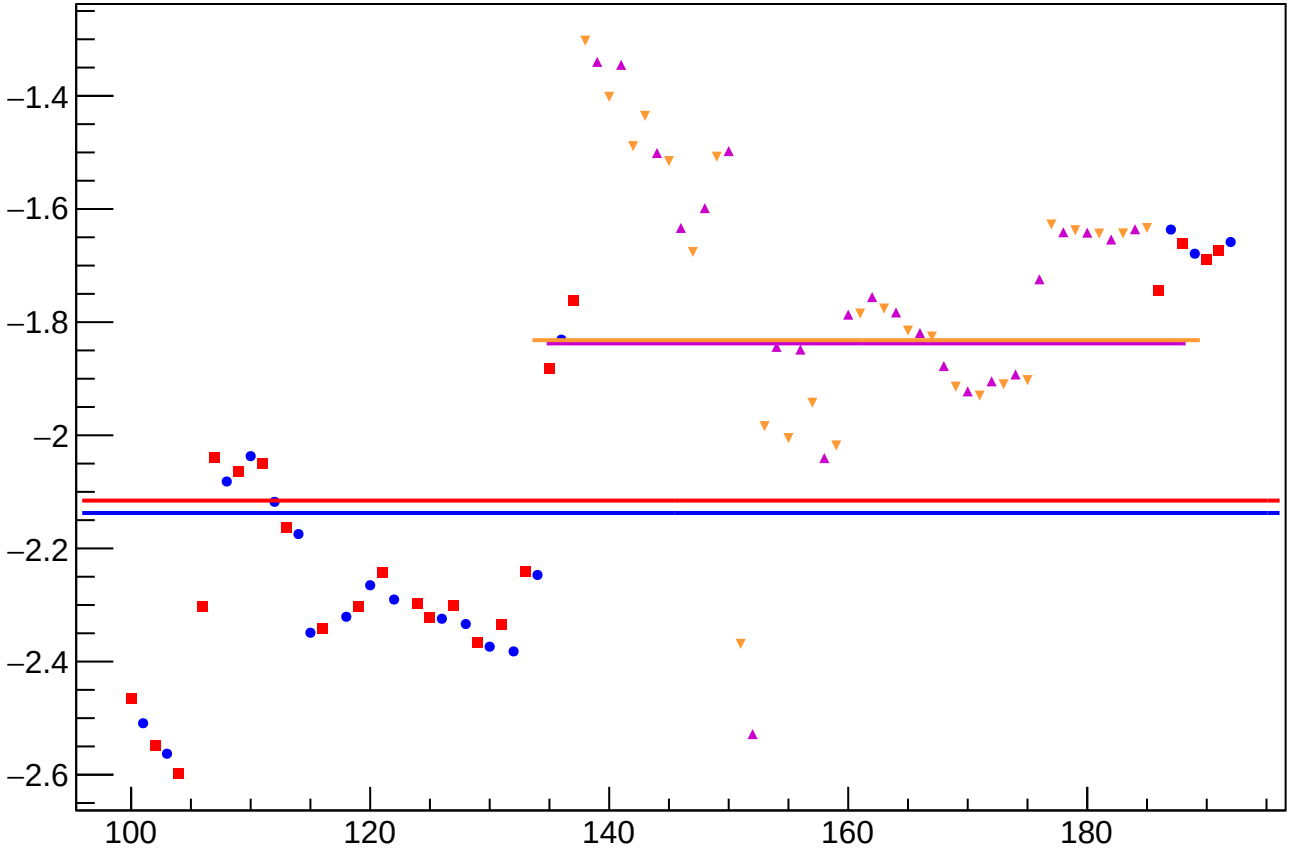
Right: 0.003+/-0.000 χ^2/NDF: 4285982.1/41

In: 0.002+/-0.000 χ^2/NDF:3411753.4/41

Out: 0.002+/-0.000 χ^2/NDF:3689878.0/47

All: 0.002+/-0.000 χ^2/NDF: 7102407.1/89

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: -2.115+/-0.000 χ^2/NDF: 24789340998.7/22

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

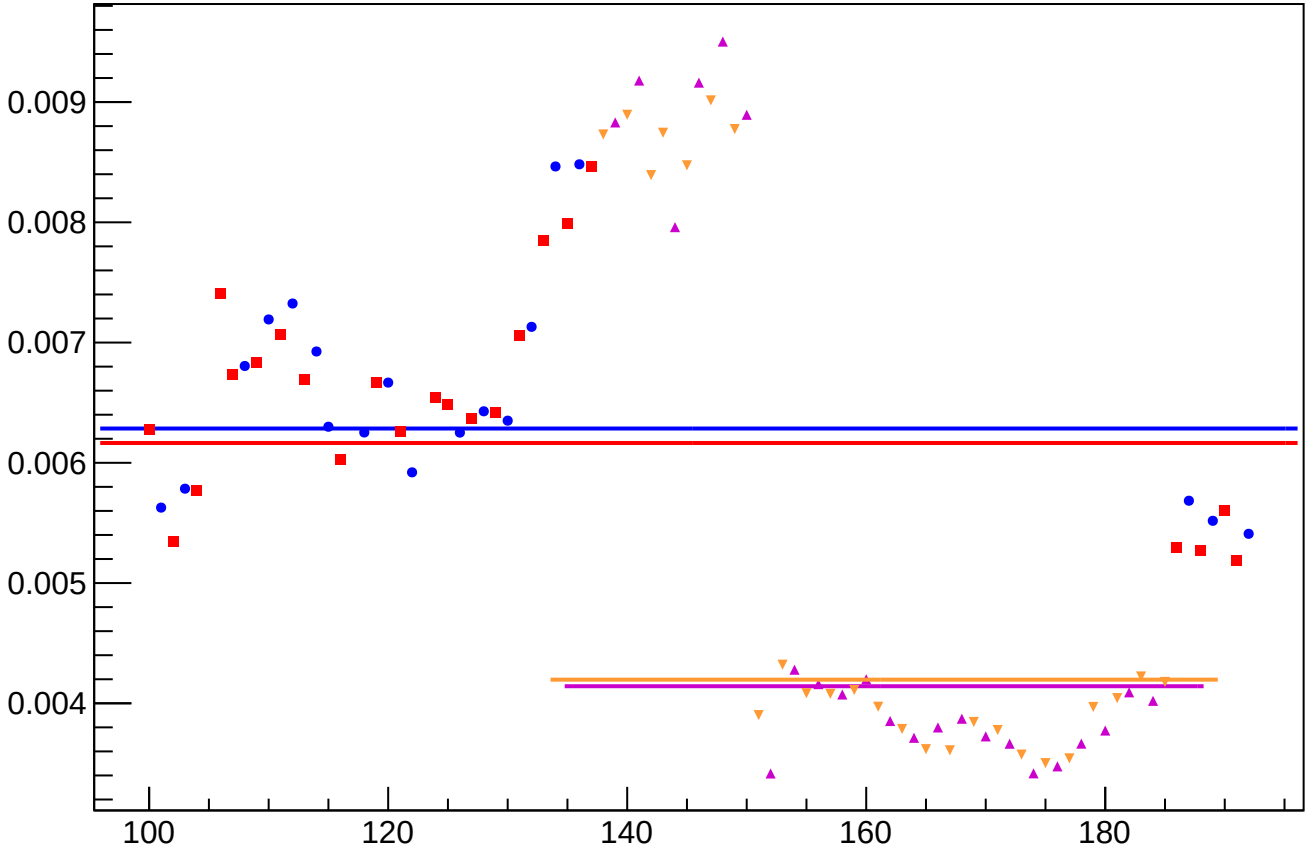
Right: -2.126+/-0.000 χ^2/NDF: 47493944801.4/41

In: -1.893+/-0.000 χ^2/NDF:91834119087.9/41

Out: -1.887+/-0.000 χ^2/NDF:78415800274.8/47

All: -1.890+/-0.000 χ^2/NDF: 170274171516.0

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: 326447.1/22

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

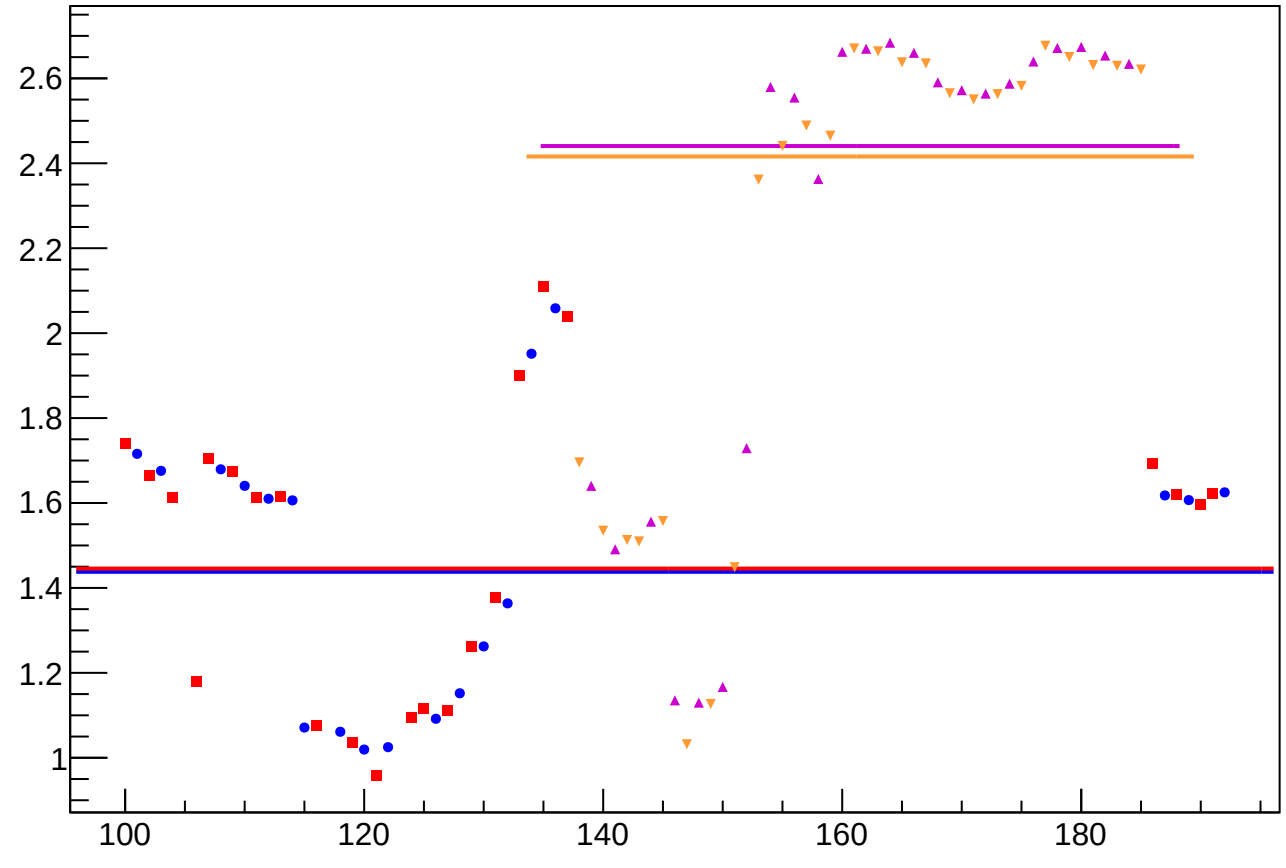
Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

Right: 0.006+/-0.000 χ^2/NDF: 649398.6/41

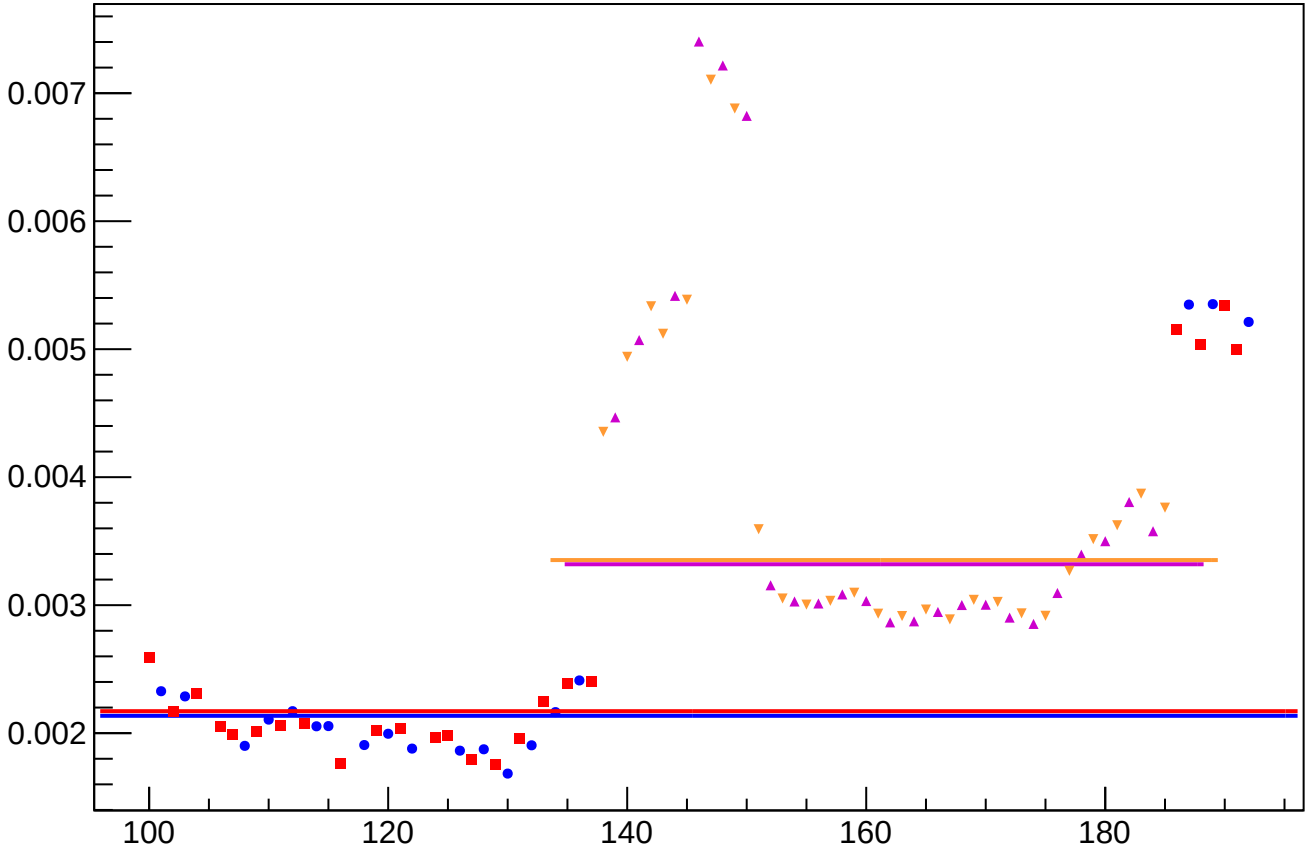
In: 0.005+/-0.000 χ^2/NDF:5123575.1/41

Out: 0.005+/-0.000 χ^2/NDF:4888629.3/47

All: 0.005+/-0.000 χ^2/NDF: 10013942.9/89


yield_bpm0i01aY_mean vs Slug, Sign Corrected
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
100
120
140
160
180
Right In: 1.438+/-0.000 χ²/NDF: 191207052618.1/18
Left Out: 2.416+/-0.000 χ²/NDF:242949391498.0/24
Right Out: 1.446+/-0.000 χ²/NDF: 184814116937.0/22
Left In: 2.441+/-0.000 χ²/NDF:231724954471.8/22
Left: 2.428+/-0.000 χ²/NDF: 475134633285.5/47
Right: 1.442+/-0.000 χ²/NDF: 376069851681.2/41
In: 1.907+/-0.000 χ²/NDF:1215726175843.1/41
Out: 1.908+/-0.000 χ²/NDF:1193242688118.8/47
All: 1.907+/-0.000 χ²/NDF: 2408969878230.

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: 1458314.0/22

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

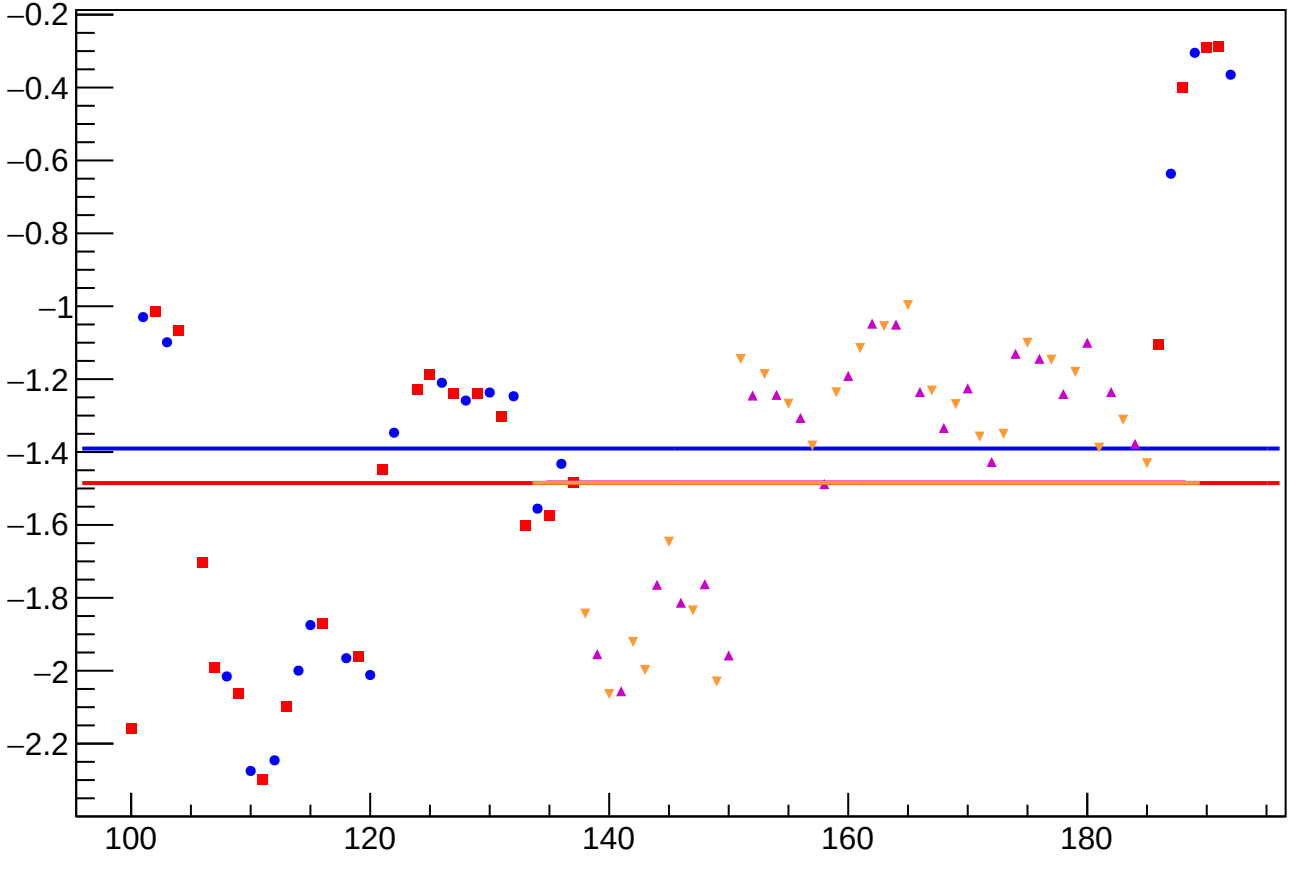
Right: 0.002+/-0.000 χ^2/NDF: 2831956.2/41

In: 0.003+/-0.000 χ^2/NDF:5637711.7/41

Out: 0.003+/-0.000 χ^2/NDF:5544117.9/47

All: 0.003+/-0.000 χ^2/NDF: 11188218.6/89

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: -1.485+/-0.000 χ^2/NDF: 51175244487.1/22

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

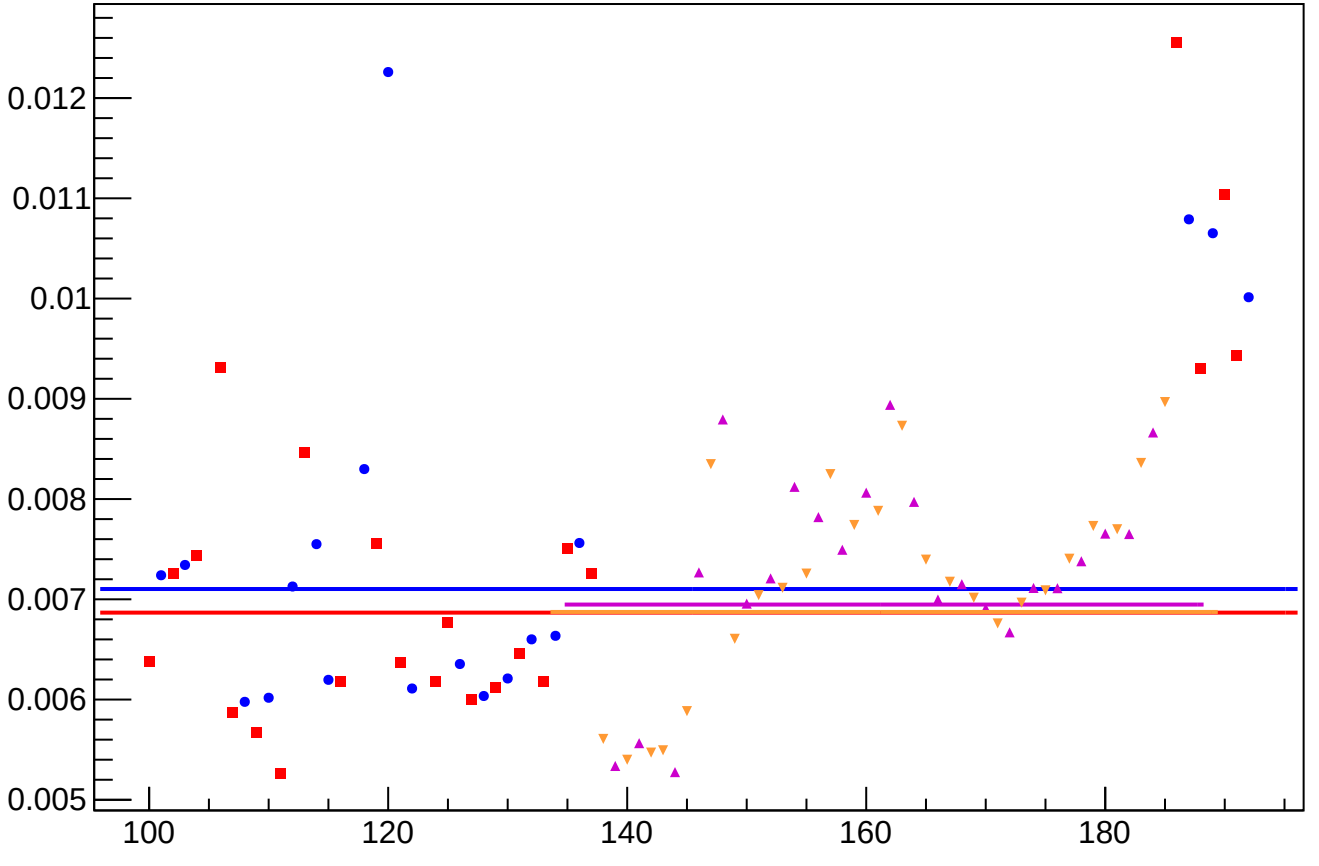
Right: -1.441+/-0.000 χ^2/NDF: 92355065781.2/41

In: -1.455+/-0.000 χ^2/NDF:81719134376.1/41

Out: -1.484+/-0.000 χ^2/NDF:99614098134.1/47

All: -1.470+/-0.000 χ^2/NDF: 181570436785.

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: 679784.8/22

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

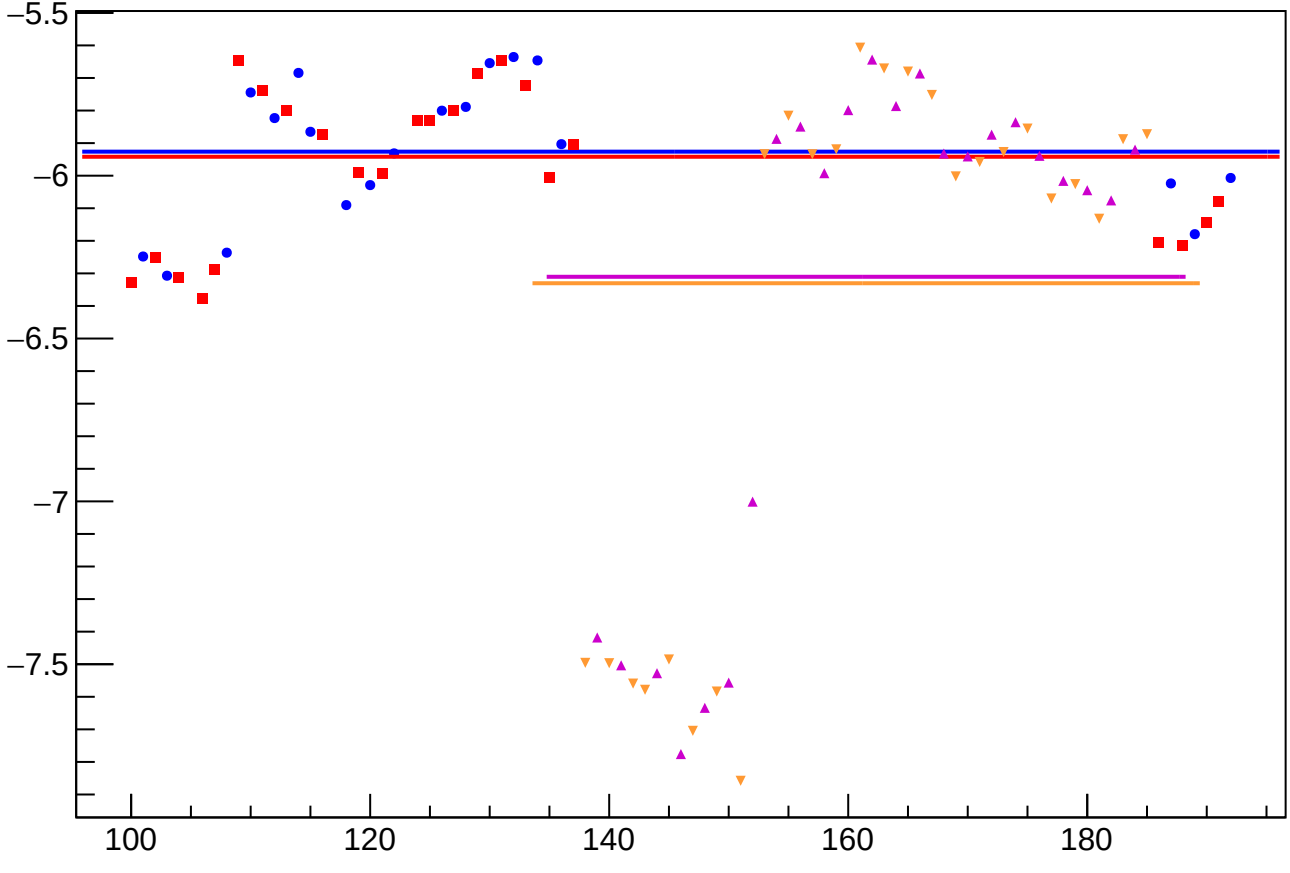
Right: 0.007+/-0.000 χ^2/NDF: 1266653.1/41

In: 0.007+/-0.000 χ^2/NDF:1329506.1/41

Out: 0.007+/-0.000 χ^2/NDF:1425327.5/47

All: 0.007+/-0.000 χ^2/NDF: 2763013.2/89

yield_bpm0l01Y_mean vs Slug, Sign Corrected



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: -5.942+/-0.000 χ^2/NDF: 13404492662.1/22

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

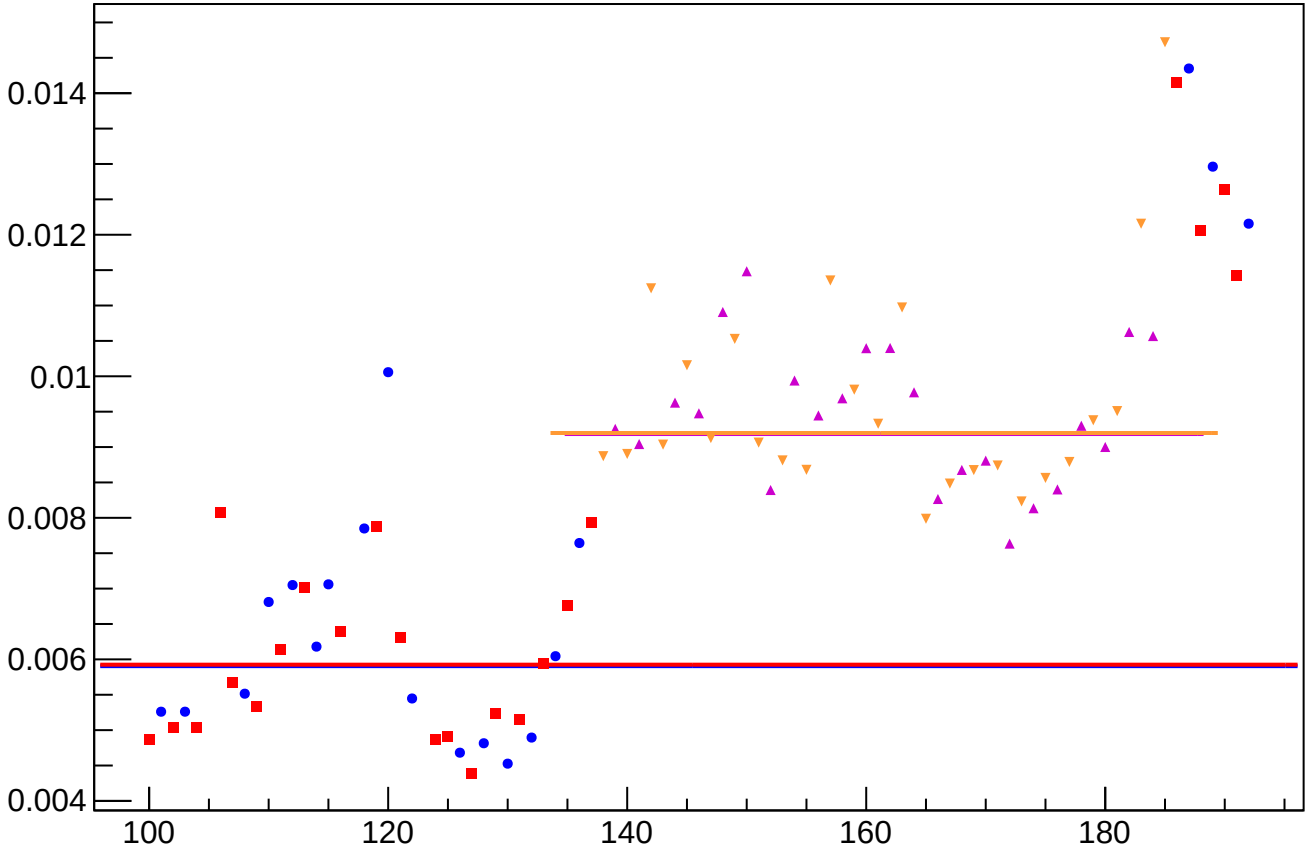
Right: -5.934+/-0.000 χ^2/NDF: 25425303644.2/41

In: -6.106+/-0.000 χ^2/NDF:118047319796.5/41

Out: -6.121+/-0.000 χ^2/NDF:139232695816.5/47

All: -6.114+/-0.000 χ^2/NDF: 257326850328.2

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: 1450858.4/22

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

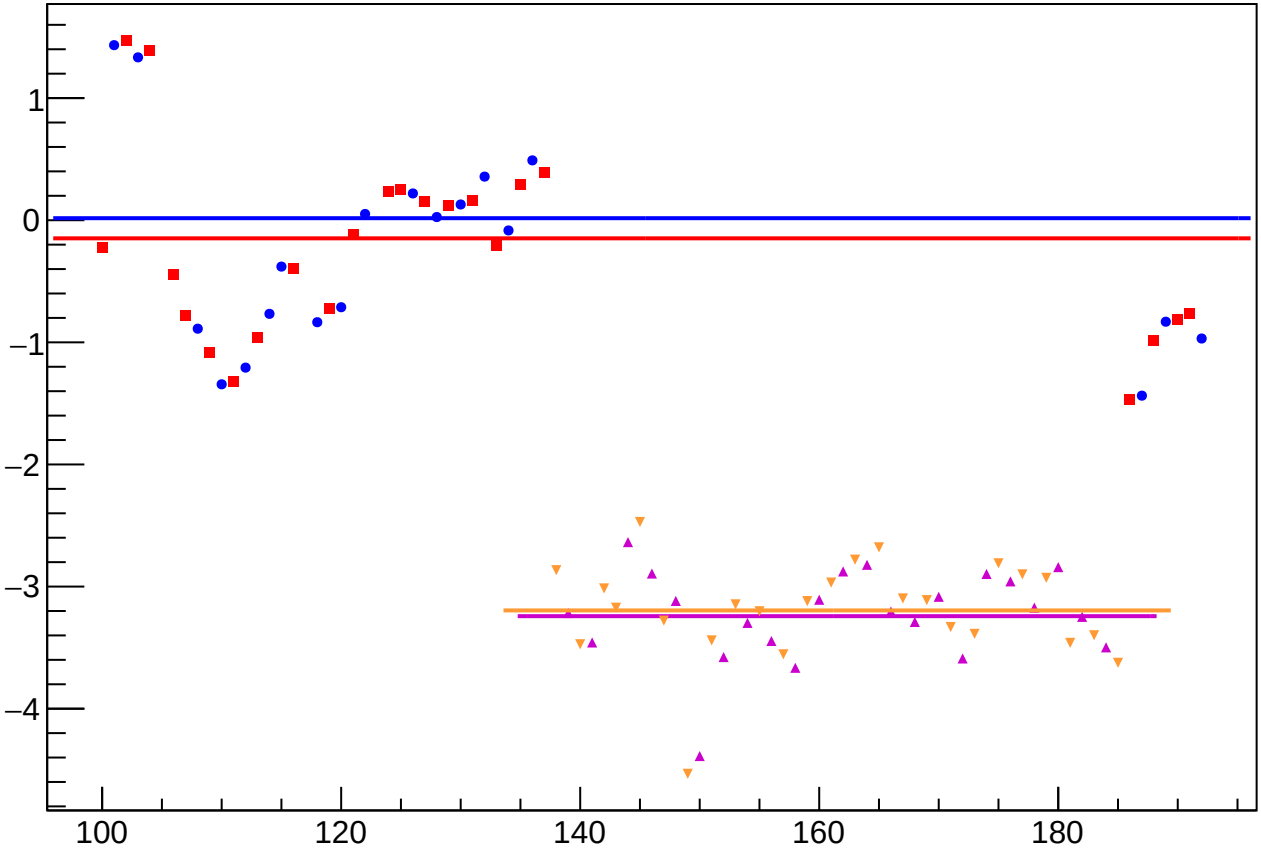
Right: 0.006+/-0.000 χ^2/NDF: 2898392.7/41

In: 0.007+/-0.000 χ^2/NDF:3860268.1/41

Out: 0.007+/-0.000 χ^2/NDF:4020508.2/47

All: 0.007+/-0.000 χ^2/NDF: 7880777.8/89

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: -0.148+/-0.000 χ^2/NDF: 27689673471.1/22

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

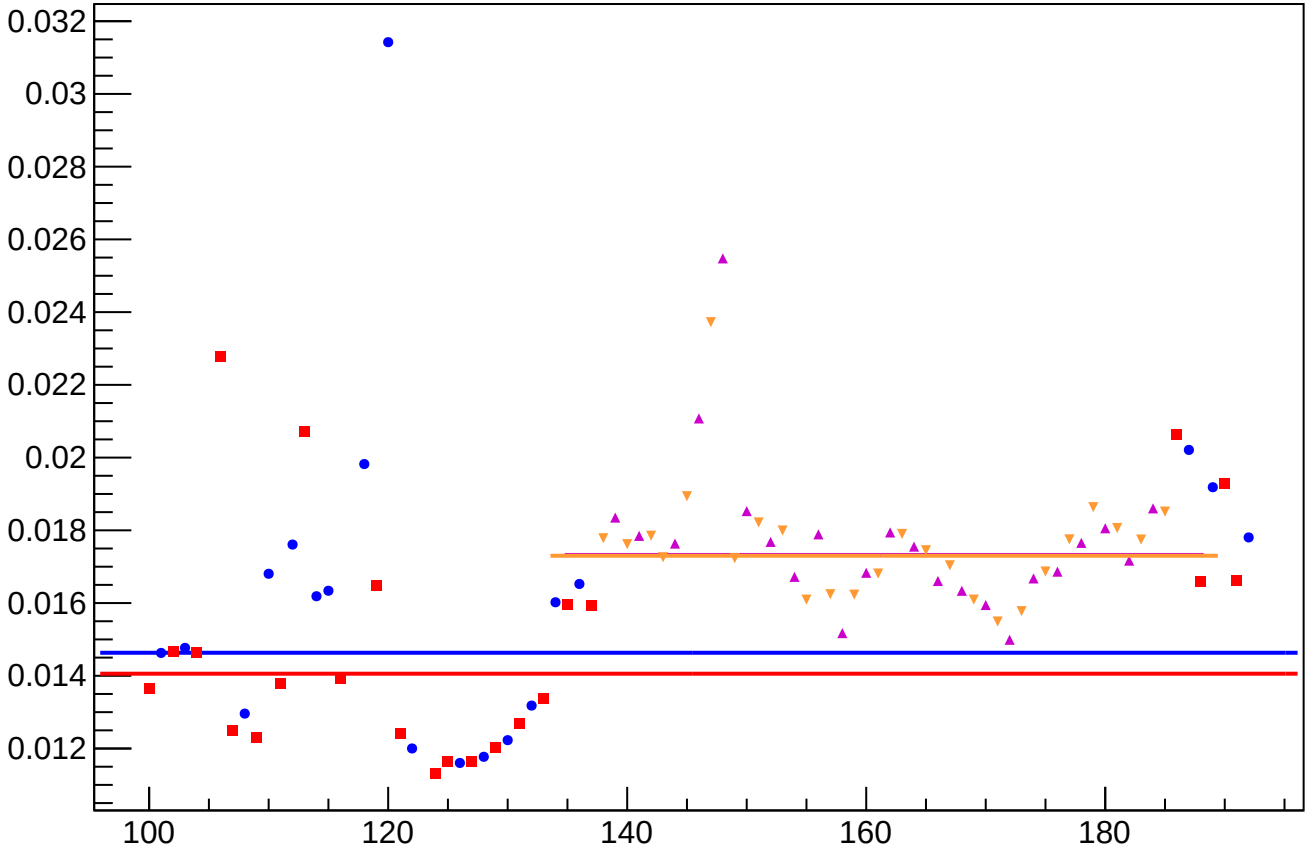
Right: -0.073+/-0.000 χ^2/NDF: 51548785256.1/41

In: -1.988+/-0.000 χ^2/NDF:270045678186.2/41

Out: -1.946+/-0.000 χ^2/NDF:273503214956.9/47

All: -1.966+/-0.000 χ^2/NDF: 543636379274.0

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: 512263.2/22

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

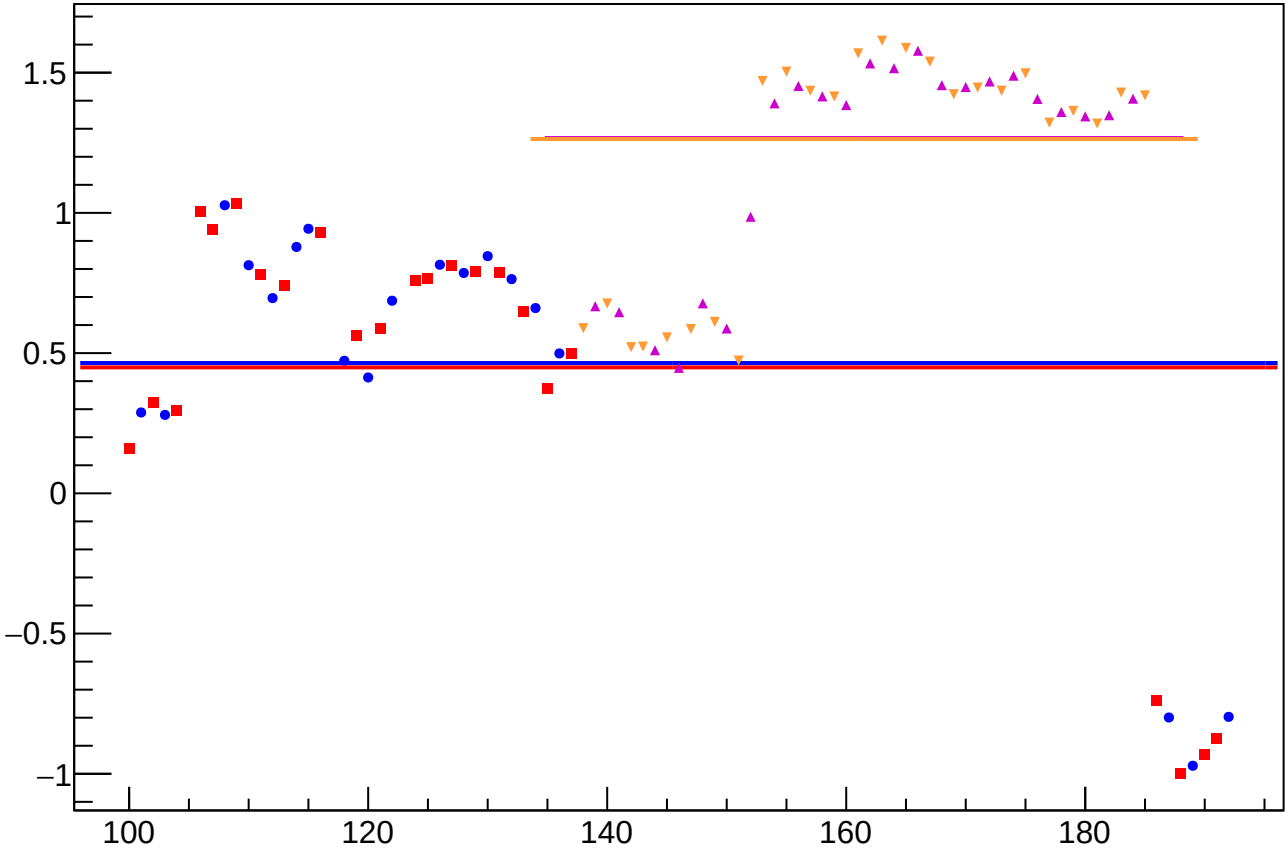
Right: 0.014+/-0.000 χ^2/NDF: 1151446.2/41

In: 0.016+/-0.000 χ^2/NDF:1281173.6/41

Out: 0.016+/-0.000 χ^2/NDF:1265824.0/47

All: 0.016+/-0.000 χ^2/NDF: 2556984.2/89

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: 0.449+/-0.000 χ^2/NDF: 33608871090.7/22

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

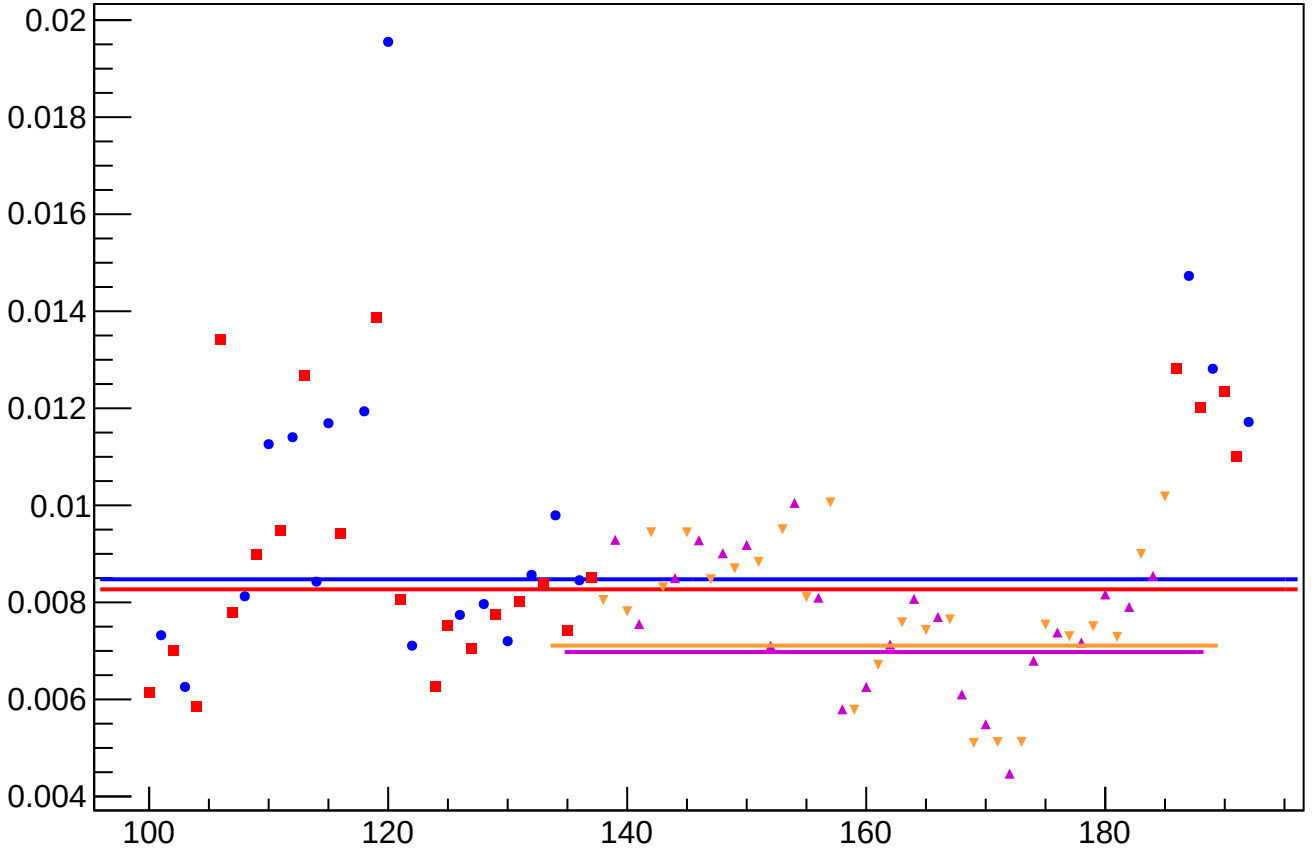
Right: 0.456+/-0.000 χ^2/NDF: 59617062269.0/41

In: 1.075+/-0.000 χ^2/NDF:115029067736.9/41

Out: 1.052+/-0.000 χ^2/NDF:137157940898.4/47

All: 1.063+/-0.000 χ^2/NDF: 252303550565.8

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: 0.008+/-0.000 χ^2/NDF: 1007359.3/22

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

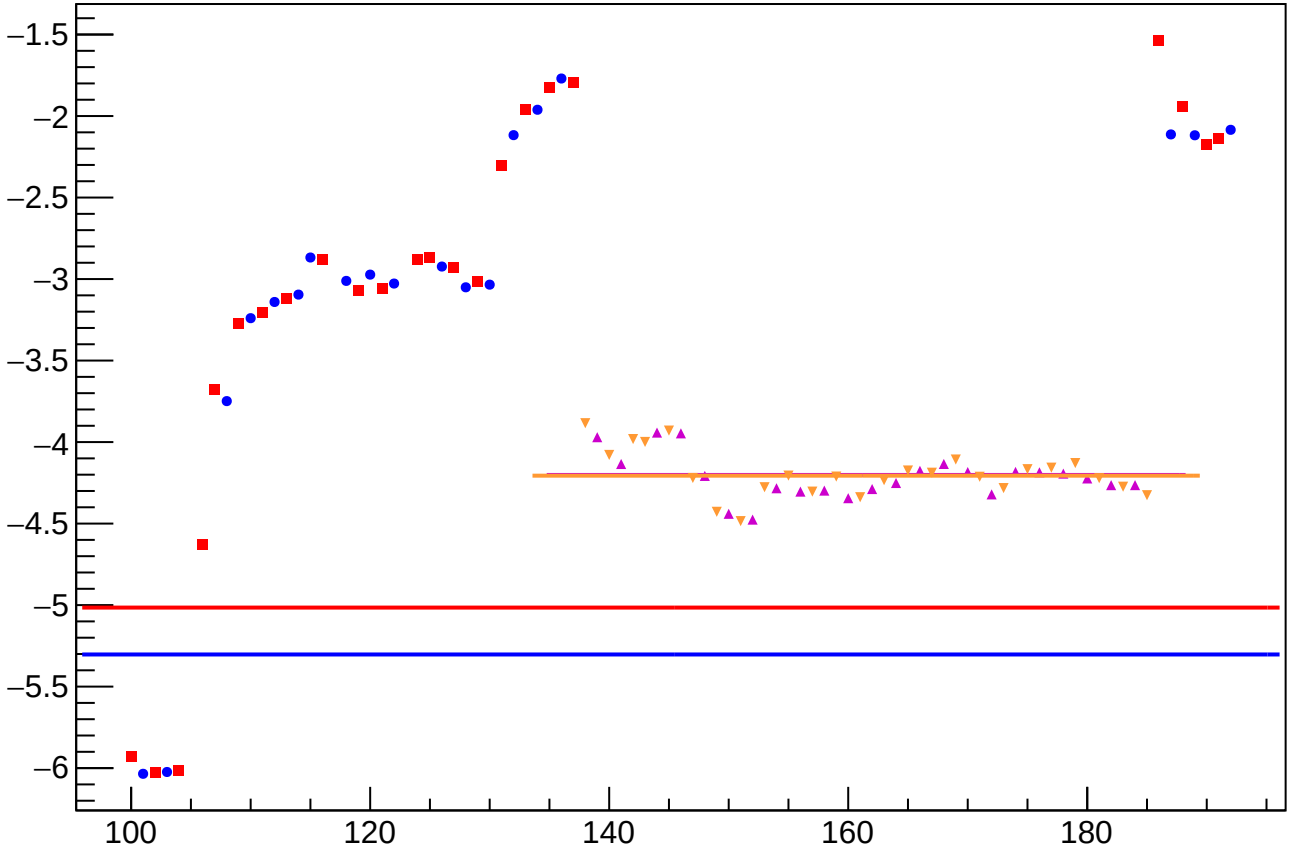
Right: 0.008+/-0.000 χ^2/NDF: 1961649.3/41

In: 0.007+/-0.000 χ^2/NDF:2766011.1/41

Out: 0.007+/-0.000 χ^2/NDF:2761634.2/47

All: 0.007+/-0.000 χ^2/NDF: 5530162.9/89

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: -5.015+/-0.000 χ^2/NDF: 169822645695.4/22

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

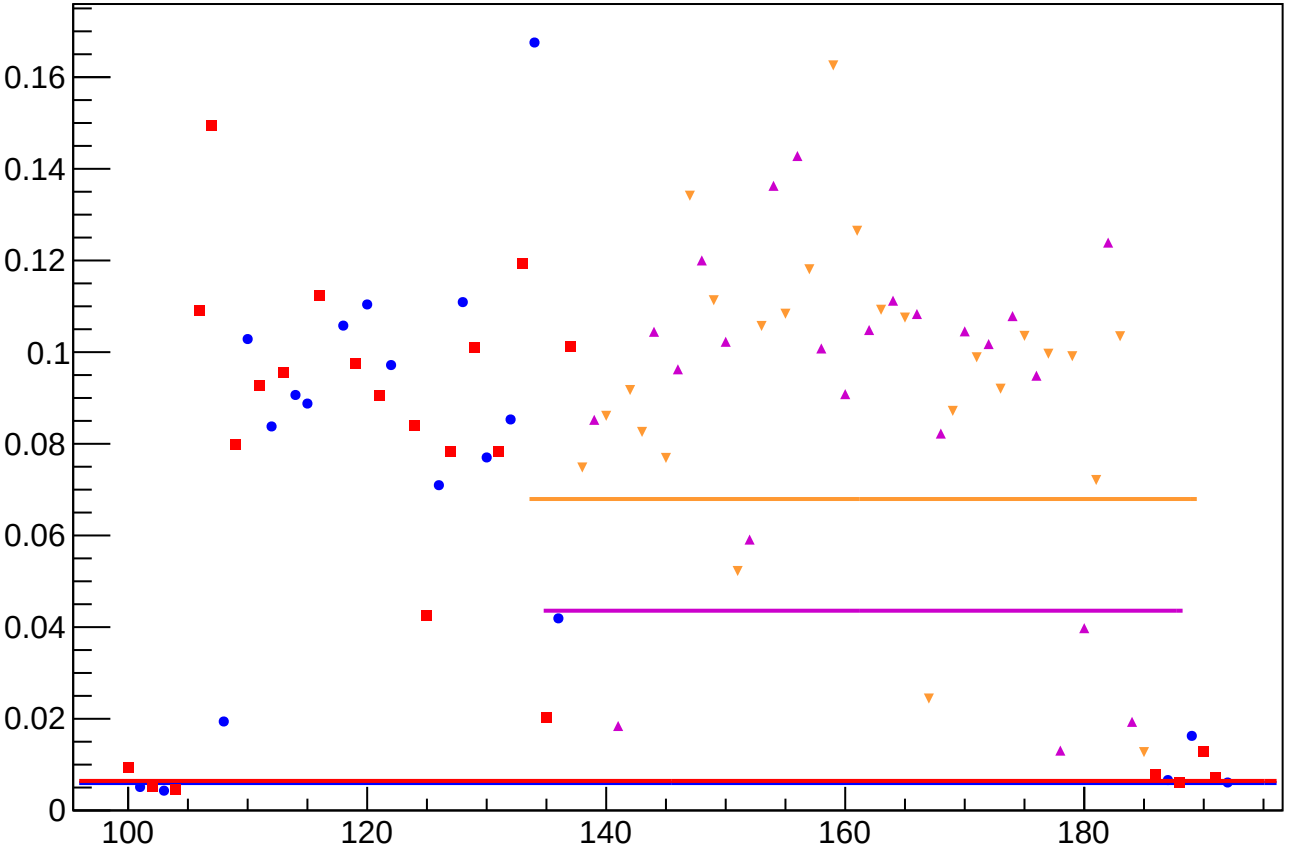
Right: -5.168+/-0.000 χ^2/NDF: 315138885661.8/41

In: -5.235+/-0.000 χ^2/NDF:147607362736.9/41

Out: -4.978+/-0.000 χ^2/NDF:171545584515.0/47

All: -5.115+/-0.000 χ^2/NDF: 321183445003.0

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: 0.006+/-0.000 χ^2/NDF: 8795488.3/22

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

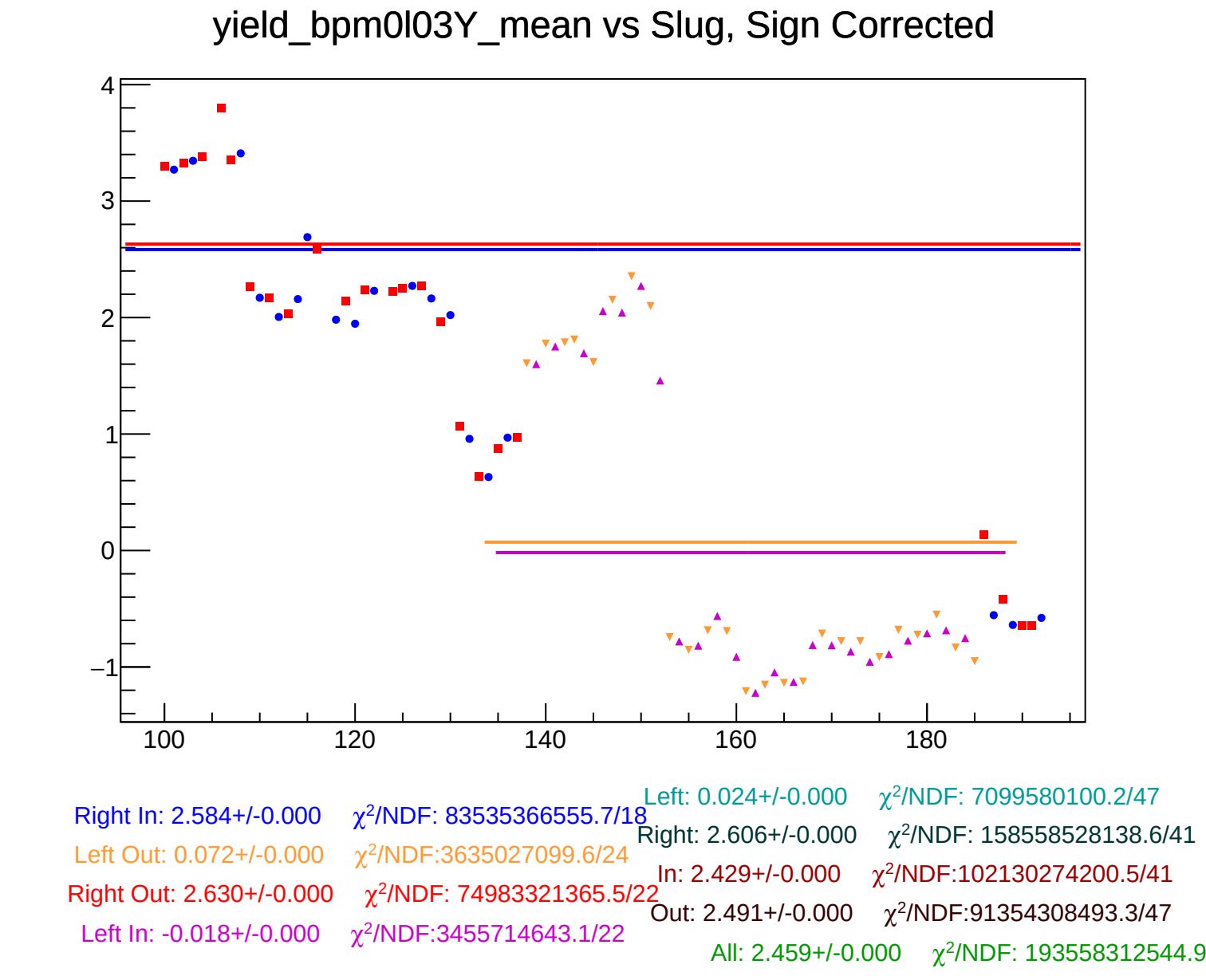
Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

Right: 0.006+/-0.000 χ^2/NDF: 17605106.3/41

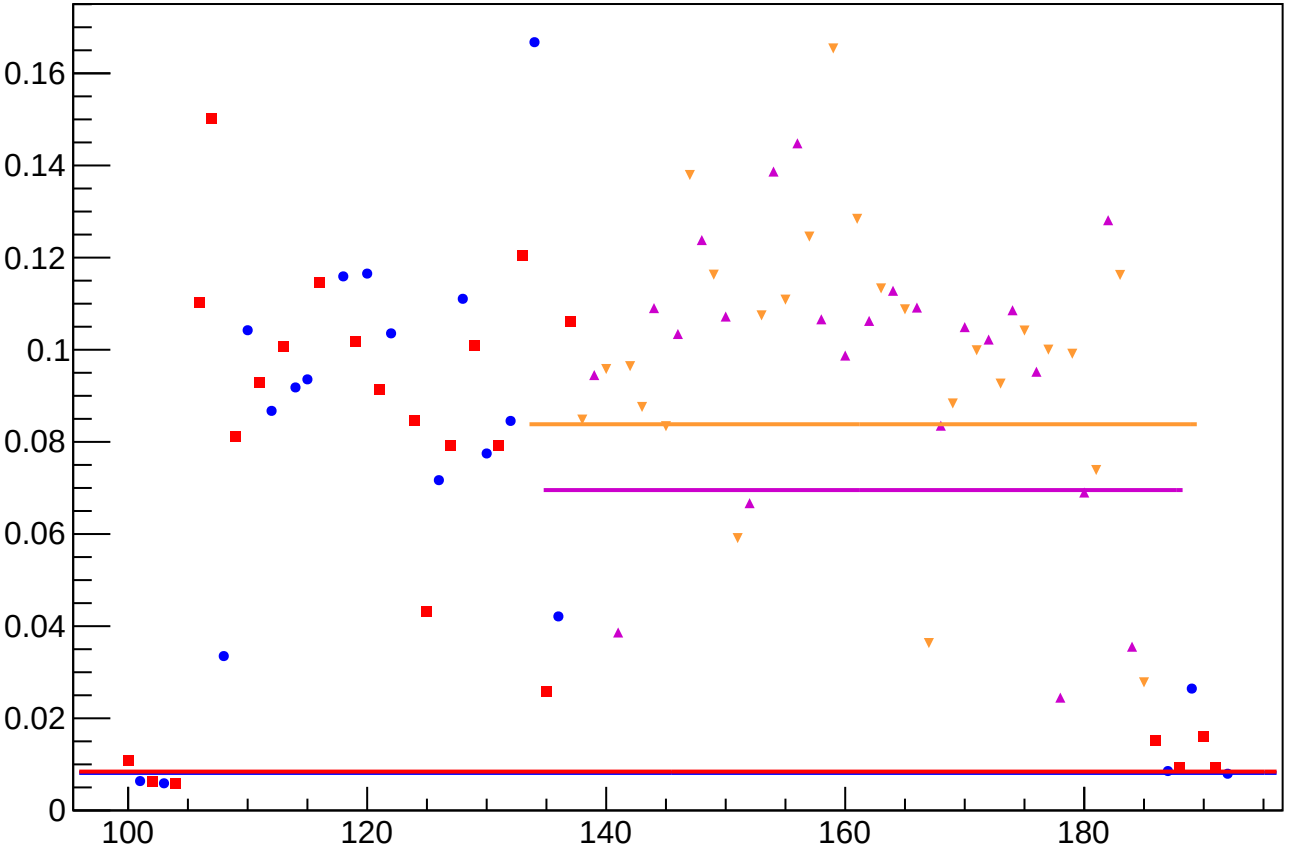
In: 0.008+/-0.000 χ^2/NDF:32415996.5/41

Out: 0.009+/-0.000 χ^2/NDF:35627653.7/47

All: 0.009+/-0.000 χ^2/NDF: 68104517.1/89


yield_bpm0l03Y_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
100
120
140
160
180
Right In: 2.584+/-0.000 χ²/NDF: 83535366555.7/18
Left Out: 0.072+/-0.000 χ²/NDF:3635027099.6/24
Right Out: 2.630+/-0.000 χ²/NDF: 74983321365.5/22
Left In: -0.018+/-0.000 χ²/NDF:3455714643.1/22
Left: 0.024+/-0.000 χ²/NDF: 7099580100.2/47
Right: 2.606+/-0.000 χ²/NDF: 158558528138.6/41
In: 2.429+/-0.000 χ²/NDF:102130274200.5/41
Out: 2.491+/-0.000 χ²/NDF:91354308493.3/47
All: 2.459+/-0.000 χ²/NDF: 193558312544.9

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: 0.008+/-0.000 χ^2/NDF: 8670930.0/22

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

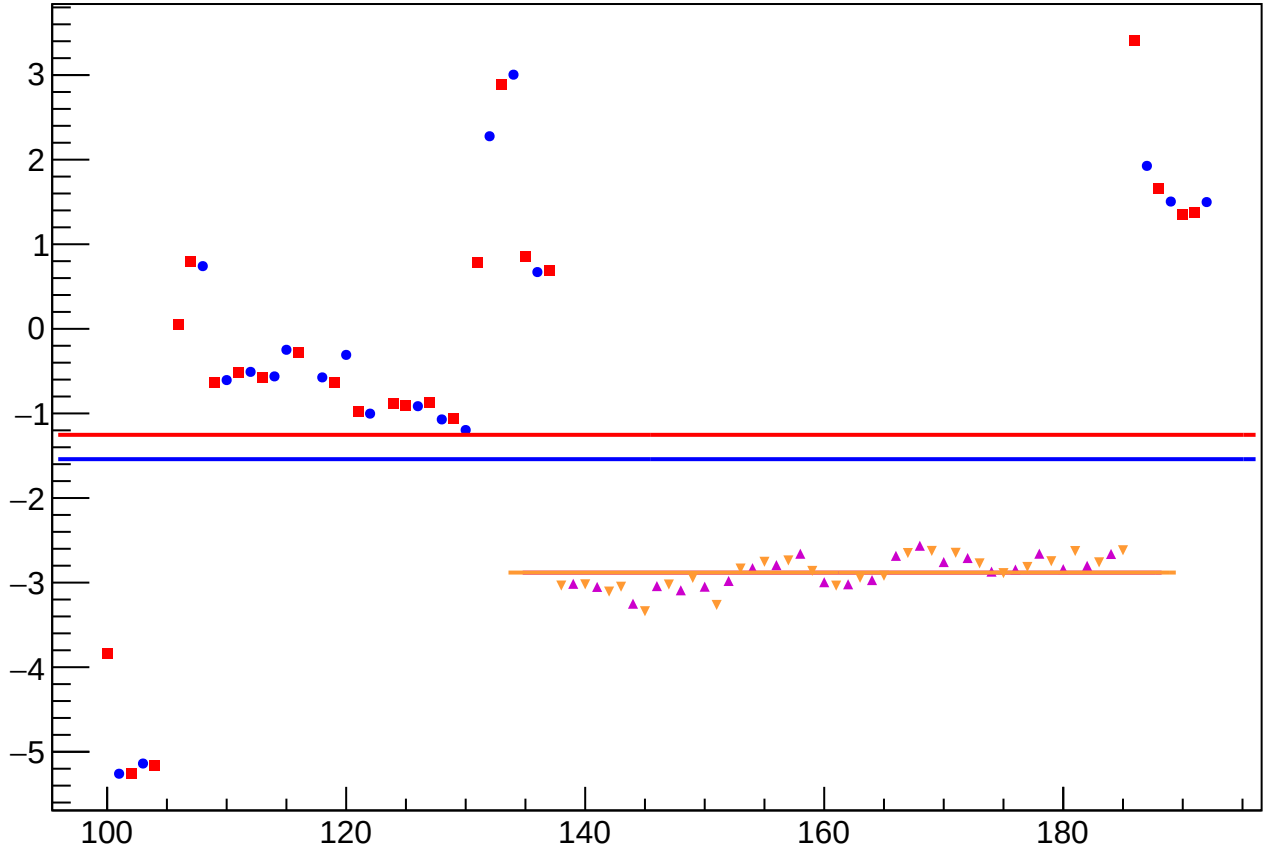
Right: 0.008+/-0.000 χ^2/NDF: 17250265.7/41

In: 0.012+/-0.000 χ^2/NDF:32134734.6/41

Out: 0.013+/-0.000 χ^2/NDF:34615472.6/47

All: 0.012+/-0.000 χ^2/NDF: 66772266.8/89

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: -1.253+/-0.000 χ^2/NDF: 210209321505.2/22

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

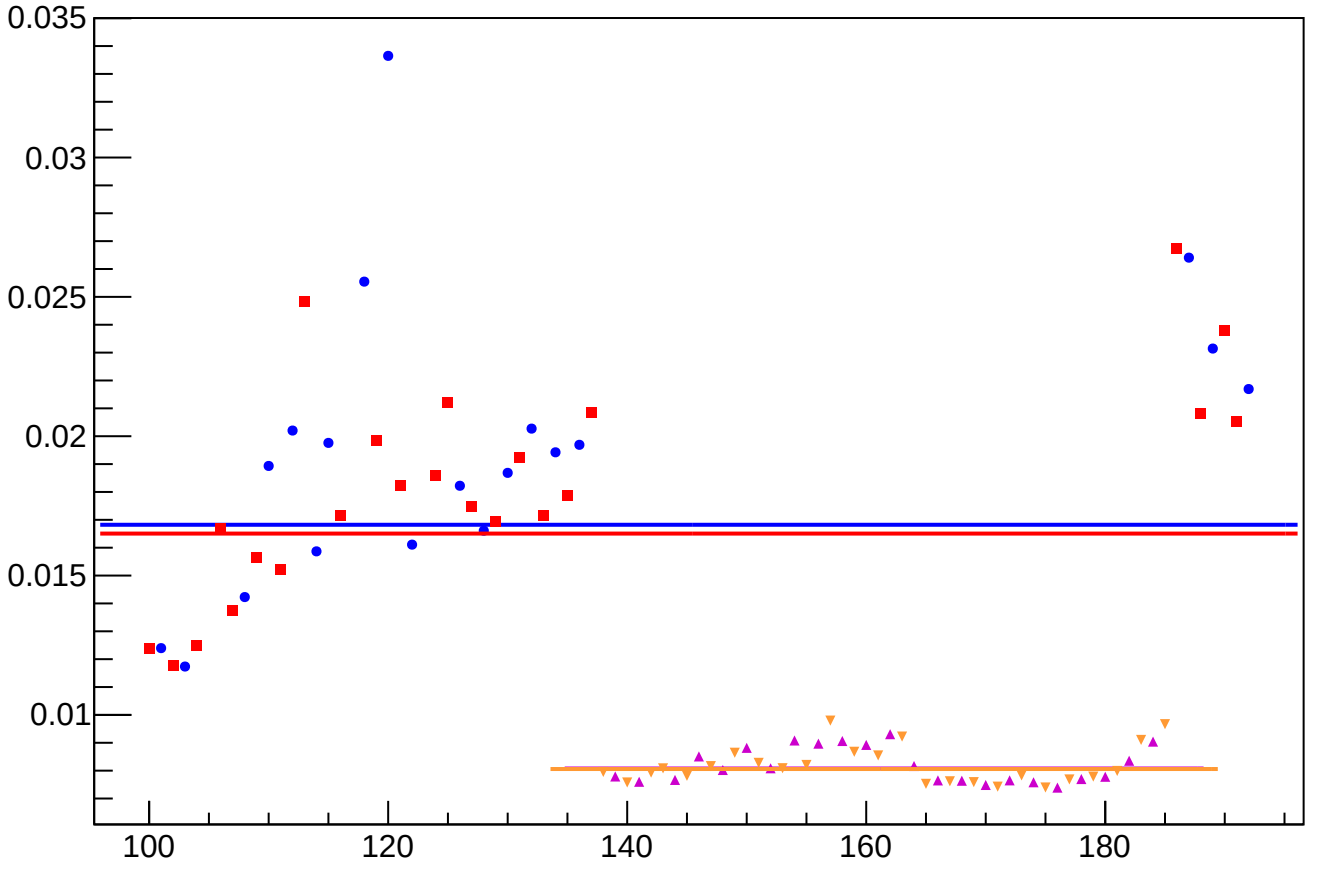
Right: -1.387+/-0.000 χ^2/NDF: 407655126863.8/41

In: -2.764+/-0.000 χ^2/NDF:247022316774.5/41

Out: -2.727+/-0.000 χ^2/NDF:291895977689.6/47

All: -2.745+/-0.000 χ^2/NDF: 539124742945.9

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: 800365.6/22

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

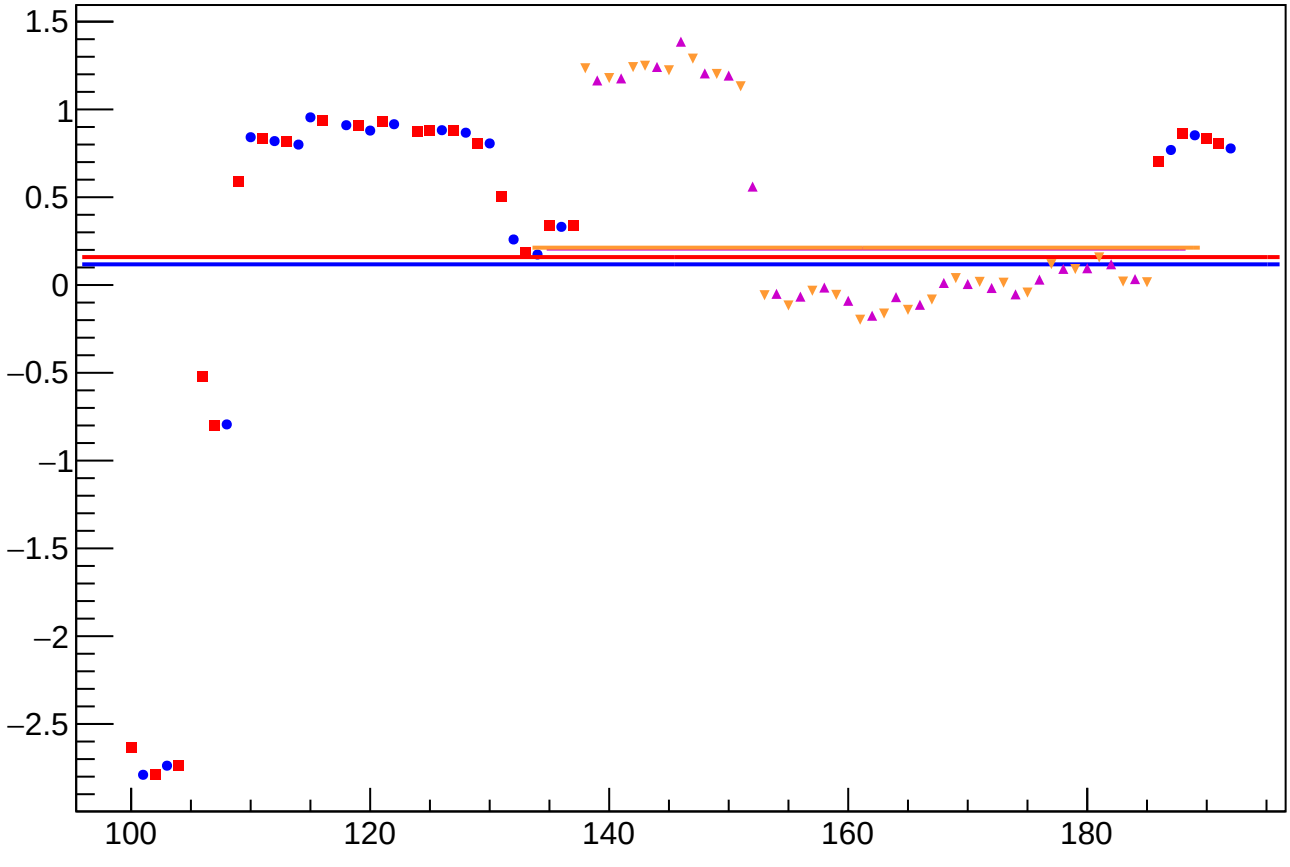
Right: 0.017+/-0.000 χ^2/NDF: 1780235.6/41

In: 0.009+/-0.000 χ^2/NDF:4762572.5/41

Out: 0.009+/-0.000 χ^2/NDF:4815842.8/47

All: 0.009+/-0.000 χ^2/NDF: 9578438.1/89

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: 0.159+/-0.000 χ^2/NDF: 975260853095.4/22

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

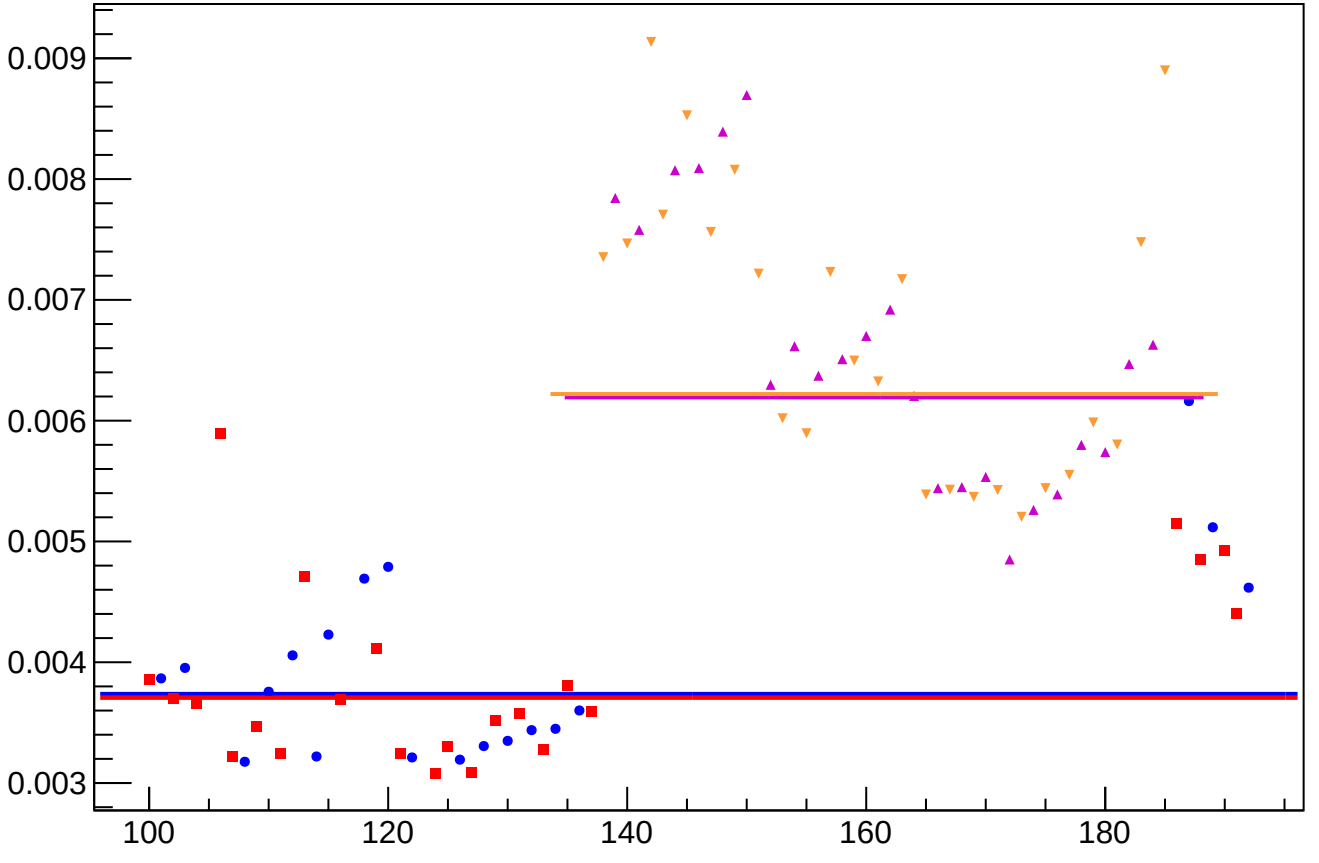
Right: 0.139+/-0.000 χ^2/NDF: 1862568308126.6/41

In: 0.155+/-0.000 χ^2/NDF:975845737754.6/41

Out: 0.181+/-0.000 χ^2/NDF:1078820874565.7/47

All: 0.168+/-0.000 χ^2/NDF: 2055013443478.

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: 467888.1/22

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

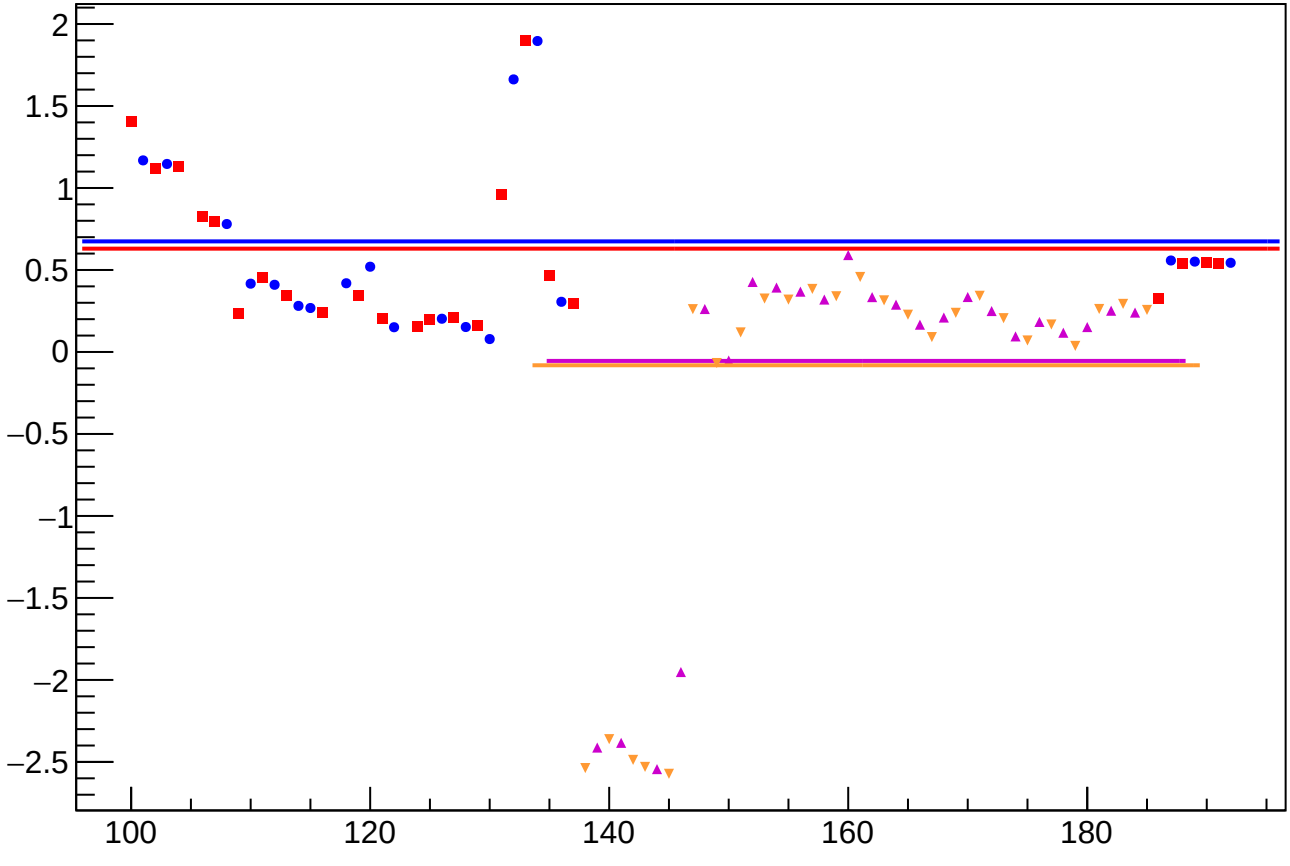
Right: 0.004+/-0.000 χ^2/NDF: 862217.0/41

In: 0.005+/-0.000 χ^2/NDF:4133516.7/41

Out: 0.005+/-0.000 χ^2/NDF:4535464.2/47

All: 0.005+/-0.000 χ^2/NDF: 8670169.2/89

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: 0.630+/-0.000 χ^2/NDF: 41995444146.9/22

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

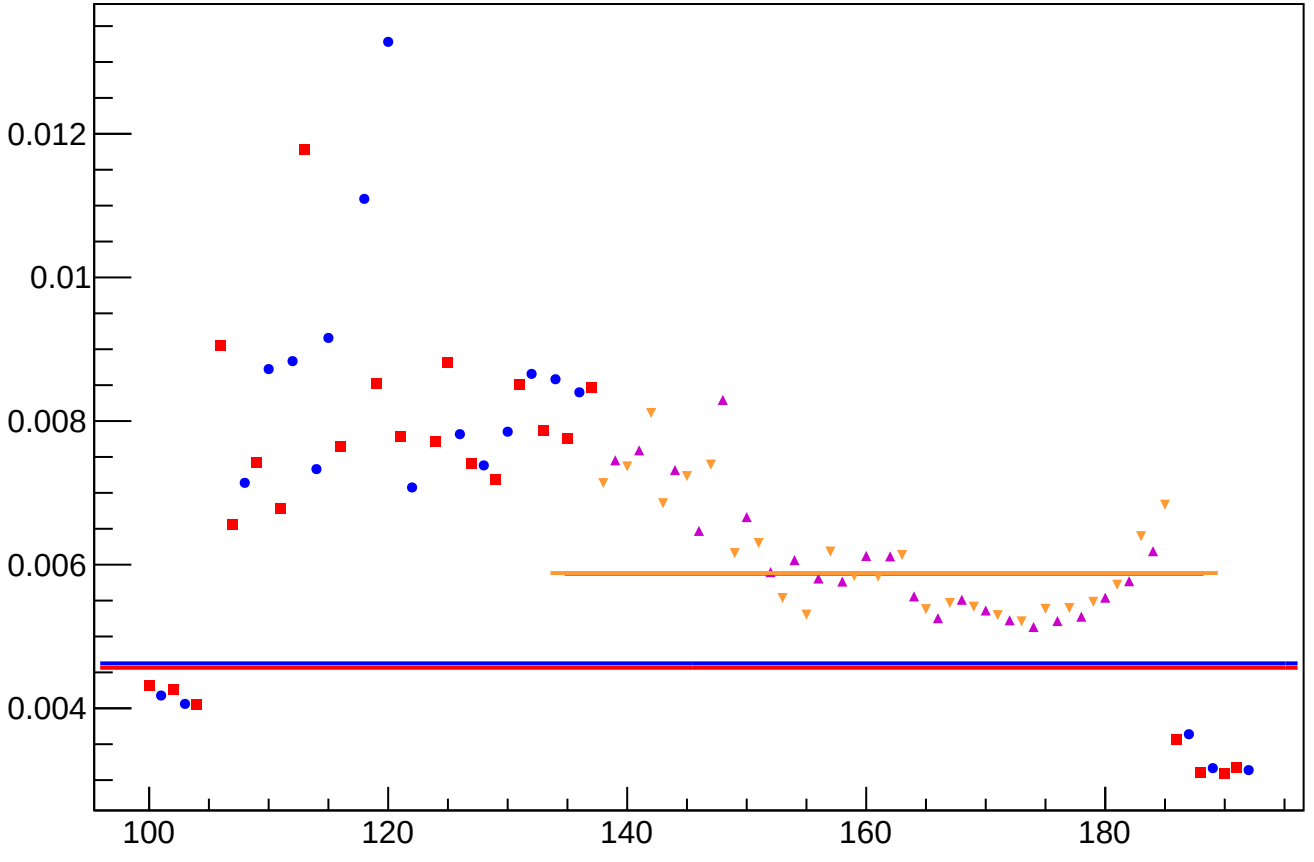
Right: 0.651+/-0.000 χ^2/NDF: 83119931884.1/41

In: 0.226+/-0.000 χ^2/NDF:486969938415.1/41

Out: 0.206+/-0.000 χ^2/NDF:533657200199.3/47

All: 0.215+/-0.000 χ^2/NDF: 1020794975742.

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: 0.005+/-0.000 χ^2/NDF: 2725724.5/22

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

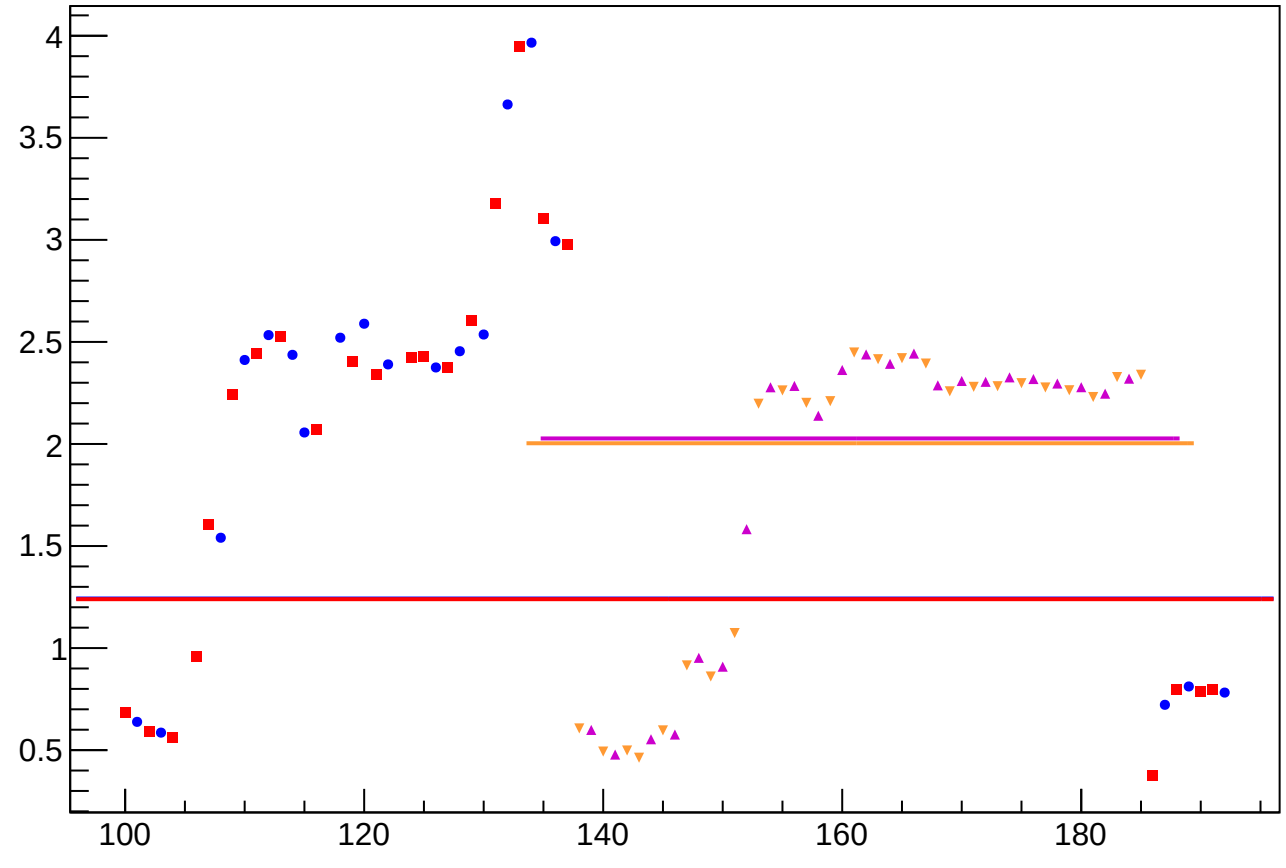
Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

Right: 0.005+/-0.000 χ^2/NDF: 5532779.4/41

In: 0.005+/-0.000 χ^2/NDF:3909628.1/41

Out: 0.005+/-0.000 χ^2/NDF:3894281.8/47

All: 0.005+/-0.000 χ^2/NDF: 7805384.1/89



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: 1.240+/-0.000 χ^2/NDF: 219991969651.5/22

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

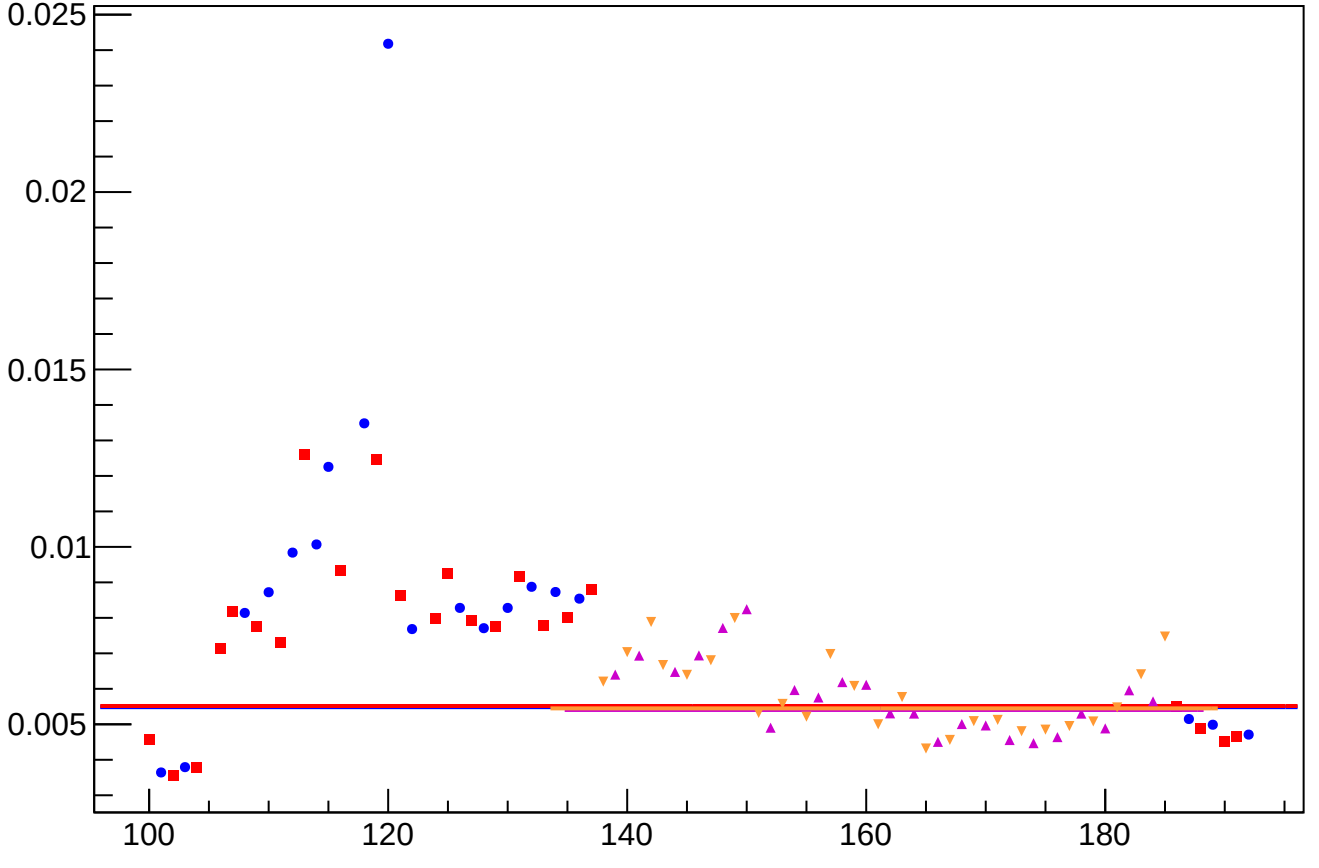
Right: 1.241+/-0.000 χ^2/NDF: 410408698020.6/41

In: 1.799+/-0.000 χ^2/NDF:479995028677.2/41

Out: 1.772+/-0.000 χ^2/NDF:536804569594.6/47

All: 1.785+/-0.000 χ^2/NDF: 1017083233217.

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: 0.006+/-0.000 χ^2/NDF: 2064043.7/22

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

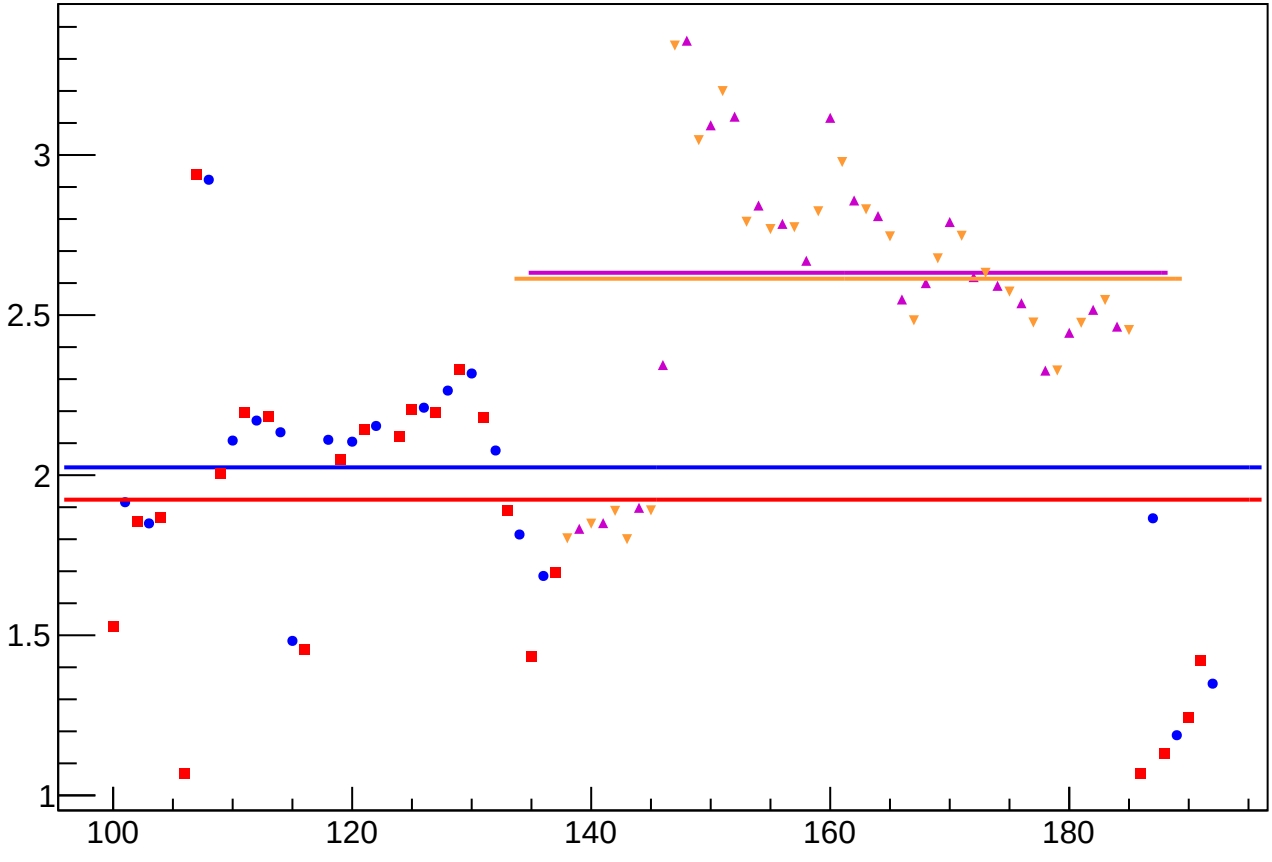
Right: 0.006+/-0.000 χ^2/NDF: 4365965.1/41

In: 0.005+/-0.000 χ^2/NDF:3118732.0/41

Out: 0.005+/-0.000 χ^2/NDF:2836969.4/47

All: 0.005+/-0.000 χ^2/NDF: 5957030.0/89

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: 1.924+/-0.000 χ^2/NDF: 31832804167.7/22

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

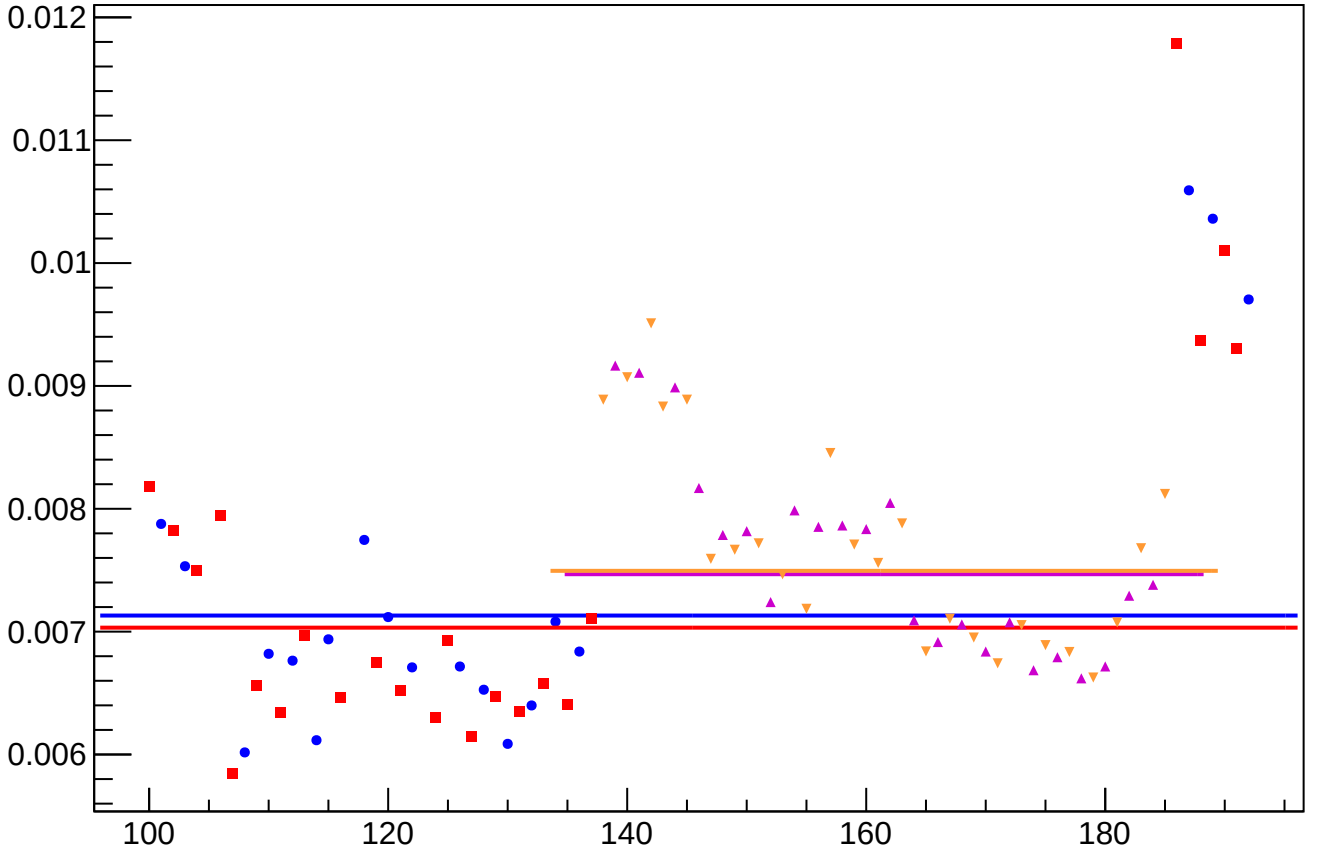
Right: 1.972+/-0.000 χ^2/NDF: 55402242903.0/41

In: 2.423+/-0.000 χ^2/NDF:102769138520.3/41

Out: 2.368+/-0.000 χ^2/NDF:133049840742.5/47

All: 2.394+/-0.000 χ^2/NDF: 236558787207.5

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: 451686.7/22

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

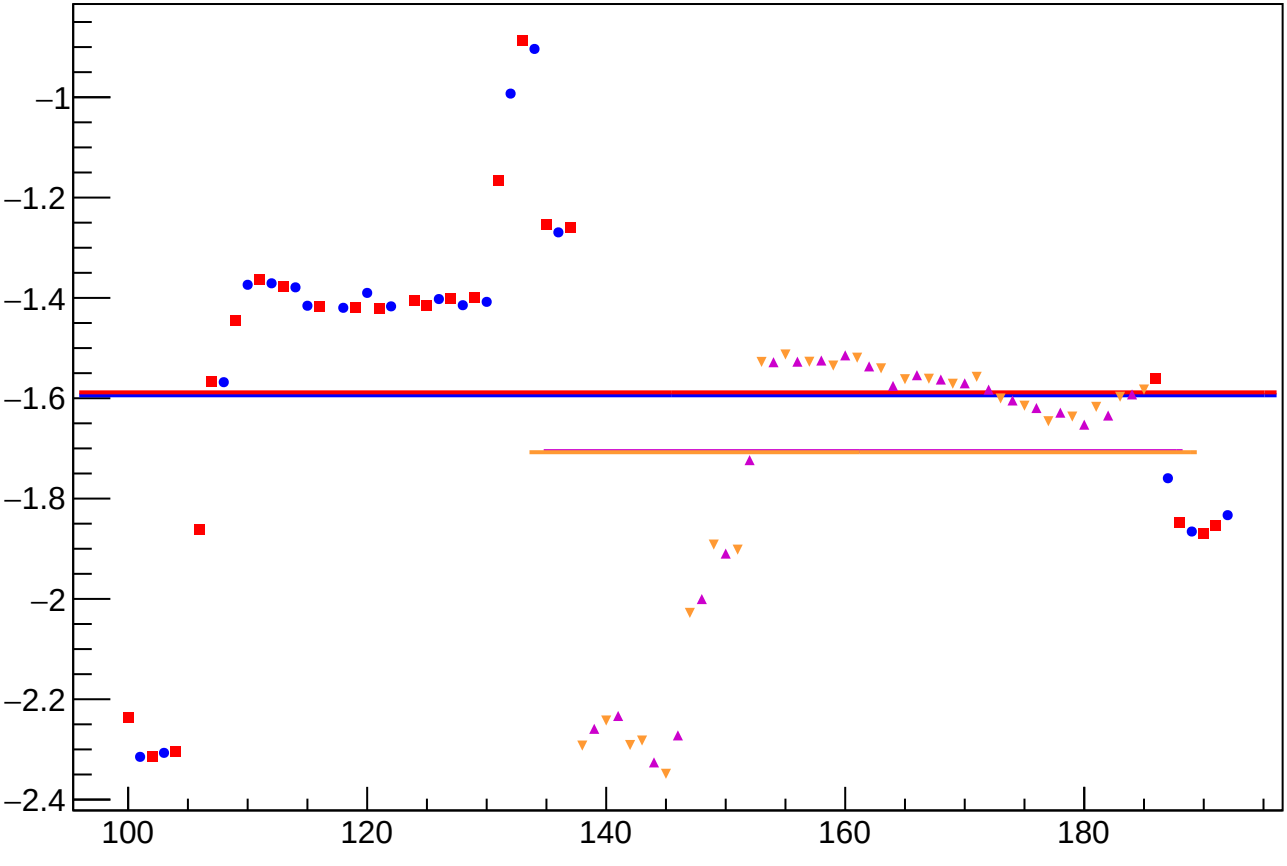
Right: 0.007+/-0.000 χ^2/NDF: 837045.1/41

In: 0.007+/-0.000 χ^2/NDF:729850.7/41

Out: 0.007+/-0.000 χ^2/NDF:833612.0/47

All: 0.007+/-0.000 χ^2/NDF: 1563686.9/89

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: -1.588+/-0.000 χ^2/NDF: 187212790139.0/22

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

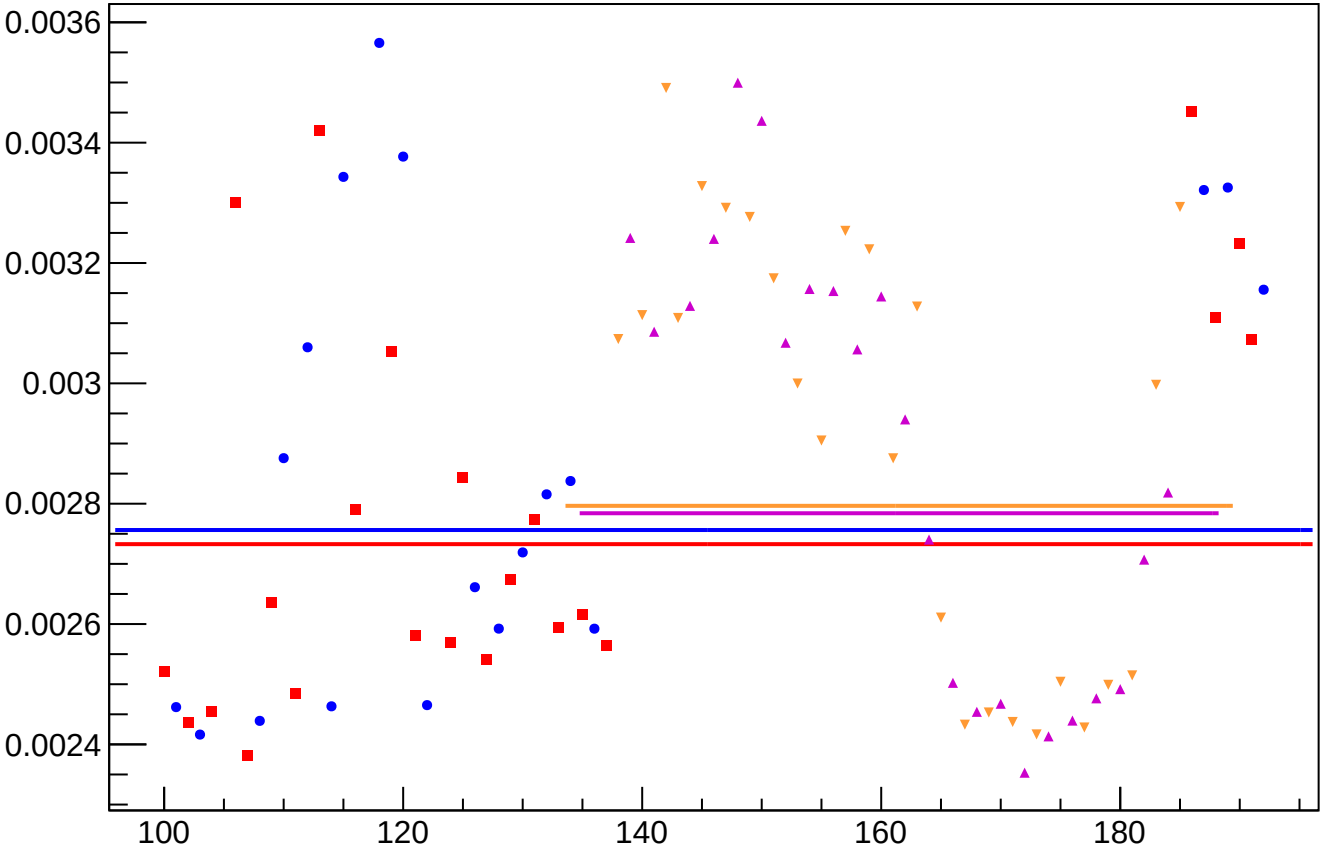
Right: -1.591+/-0.000 χ^2/NDF: 373221505417.6/41

In: -1.668+/-0.000 χ^2/NDF:331571472454.6/41

Out: -1.667+/-0.000 χ^2/NDF:350203031397.4/47

All: -1.668+/-0.000 χ^2/NDF: 681779230702.4

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: 214227.0/22

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

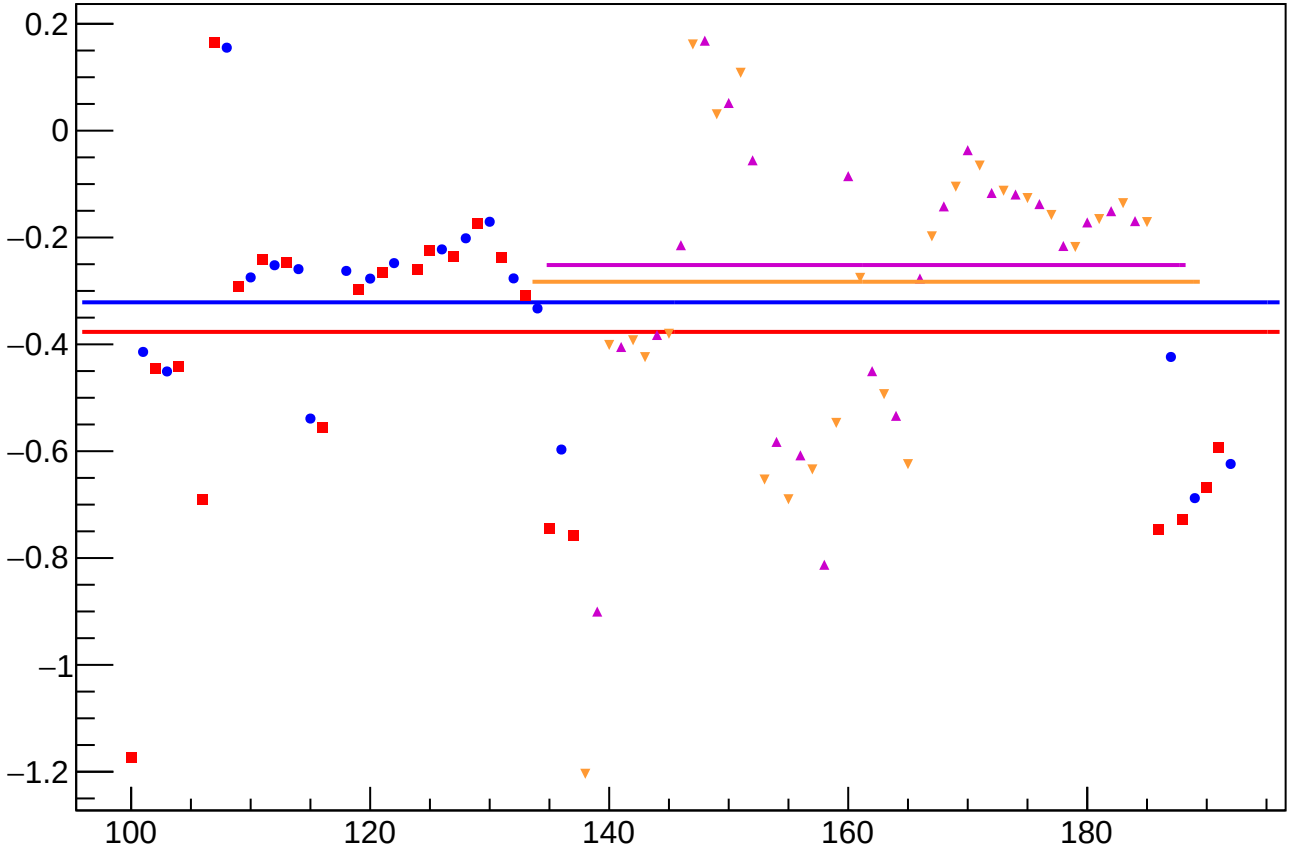
Right: 0.003+/-0.000 χ^2/NDF: 454359.7/41

In: 0.003+/-0.000 χ^2/NDF:797751.3/41

Out: 0.003+/-0.000 χ^2/NDF:768332.3/47

All: 0.003+/-0.000 χ^2/NDF: 1566083.7/89

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: -0.377+/-0.000 χ^2/NDF: 3358745634.4/22

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

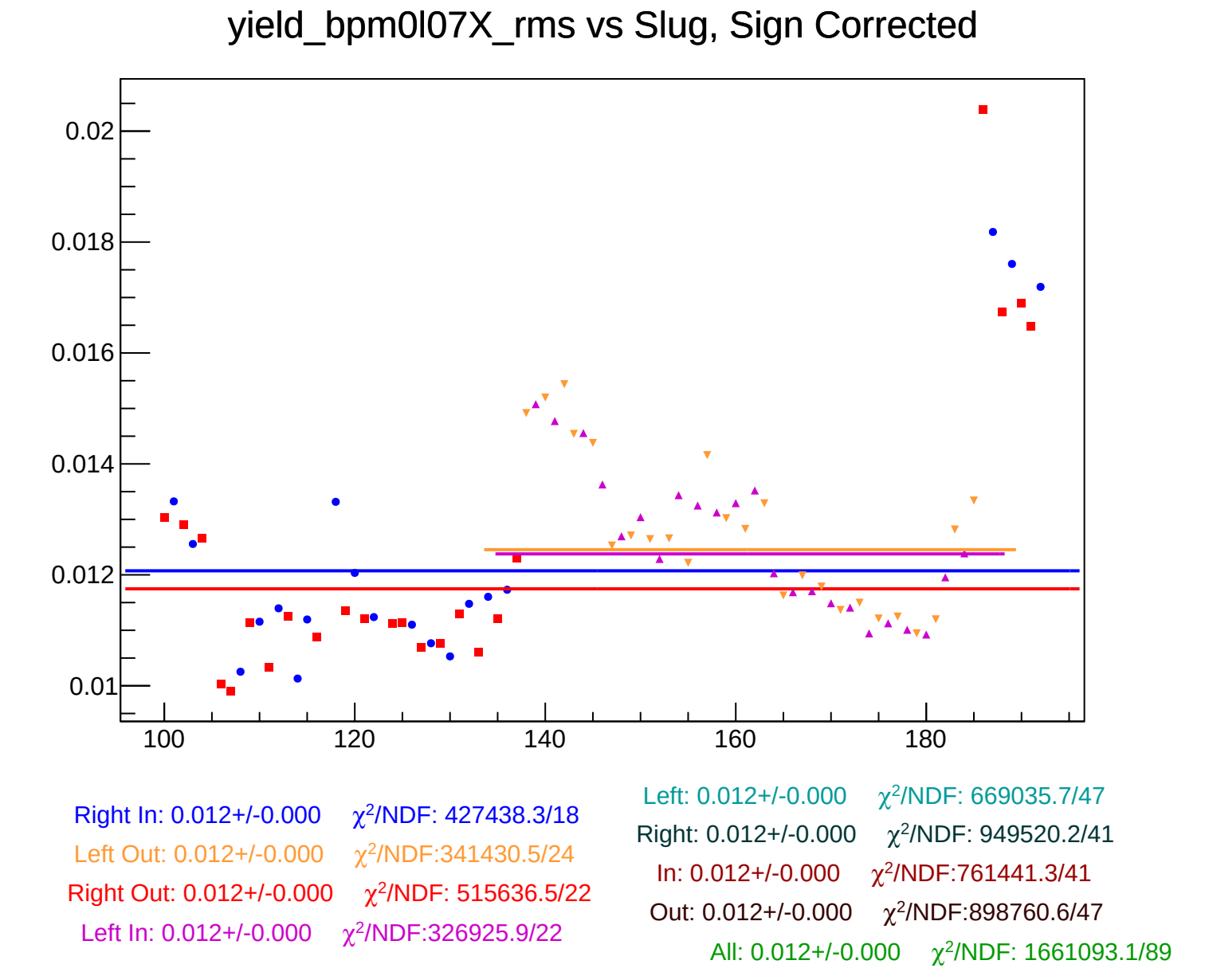
Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

Right: -0.351+/-0.000 χ^2/NDF: 5675799678.6/41

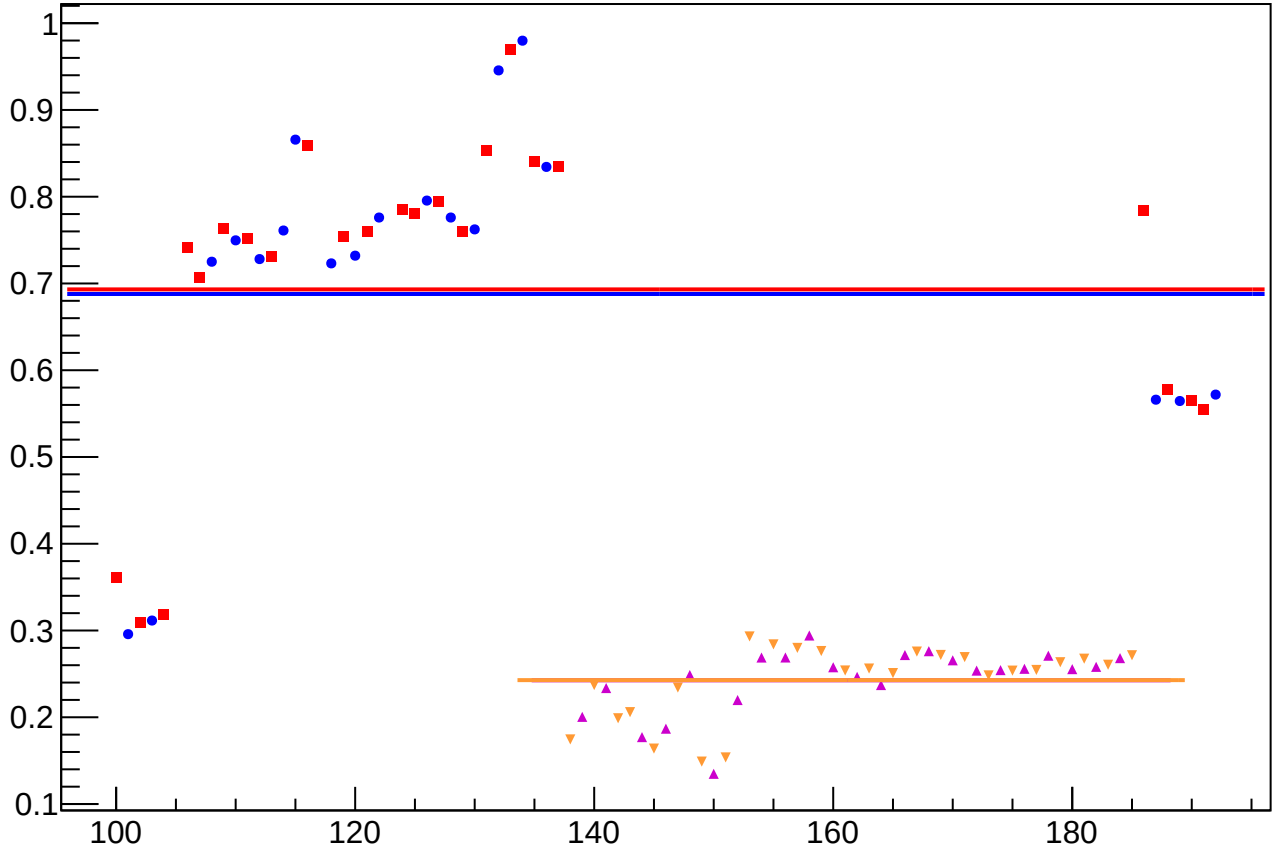
In: -0.275+/-0.000 χ^2/NDF:9576656375.3/41

Out: -0.316+/-0.000 χ^2/NDF:13069990833.9/47

All: -0.296+/-0.000 χ^2/NDF: 22794894554.5/


yield_bpm0l07X_rms vs Slug, Sign Corrected
0.02
0.018
0.016
0.014
0.012
0.01
100
120
140
160
180
Right In: 0.012+/-0.000 χ²/NDF: 427438.3/18
Left Out: 0.012+/-0.000 χ²/NDF:341430.5/24
Right Out: 0.012+/-0.000 χ²/NDF: 515636.5/22
Left In: 0.012+/-0.000 χ²/NDF:326925.9/22
Left: 0.012+/-0.000 χ²/NDF: 669035.7/47
Right: 0.012+/-0.000 χ²/NDF: 949520.2/41
In: 0.012+/-0.000 χ²/NDF:761441.3/41
Out: 0.012+/-0.000 χ²/NDF:898760.6/47
All: 0.012+/-0.000 χ²/NDF: 1661093.1/89

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: 0.693+/-0.000 χ^2/NDF: 47979305514.5/22

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

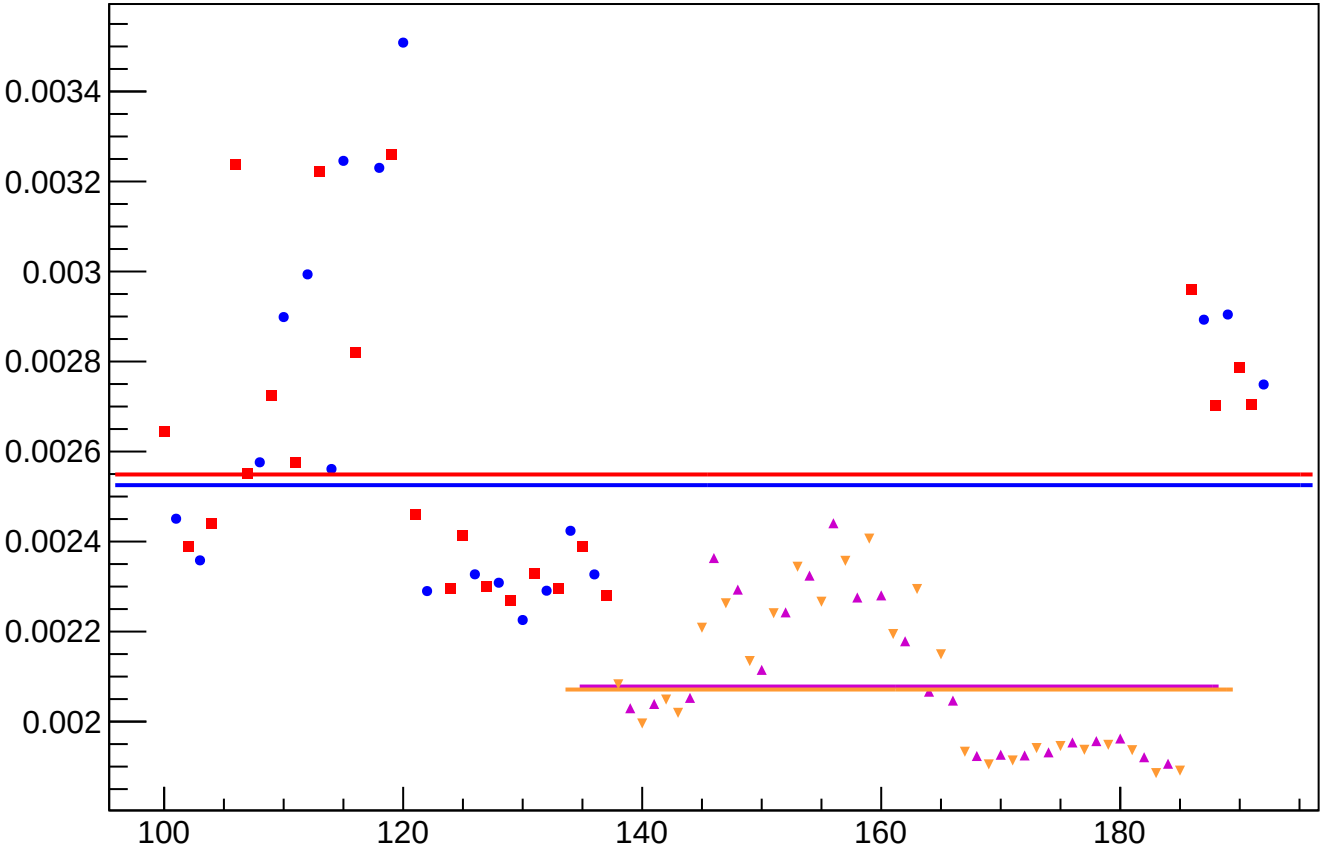
Right: 0.691+/-0.000 χ^2/NDF: 100350097917.8/41

In: 0.349+/-0.000 χ^2/NDF:257158150436.9/41

Out: 0.349+/-0.000 χ^2/NDF:268229771178.7/47

All: 0.349+/-0.000 χ^2/NDF: 525388022269.4

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: 210286.1/22

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

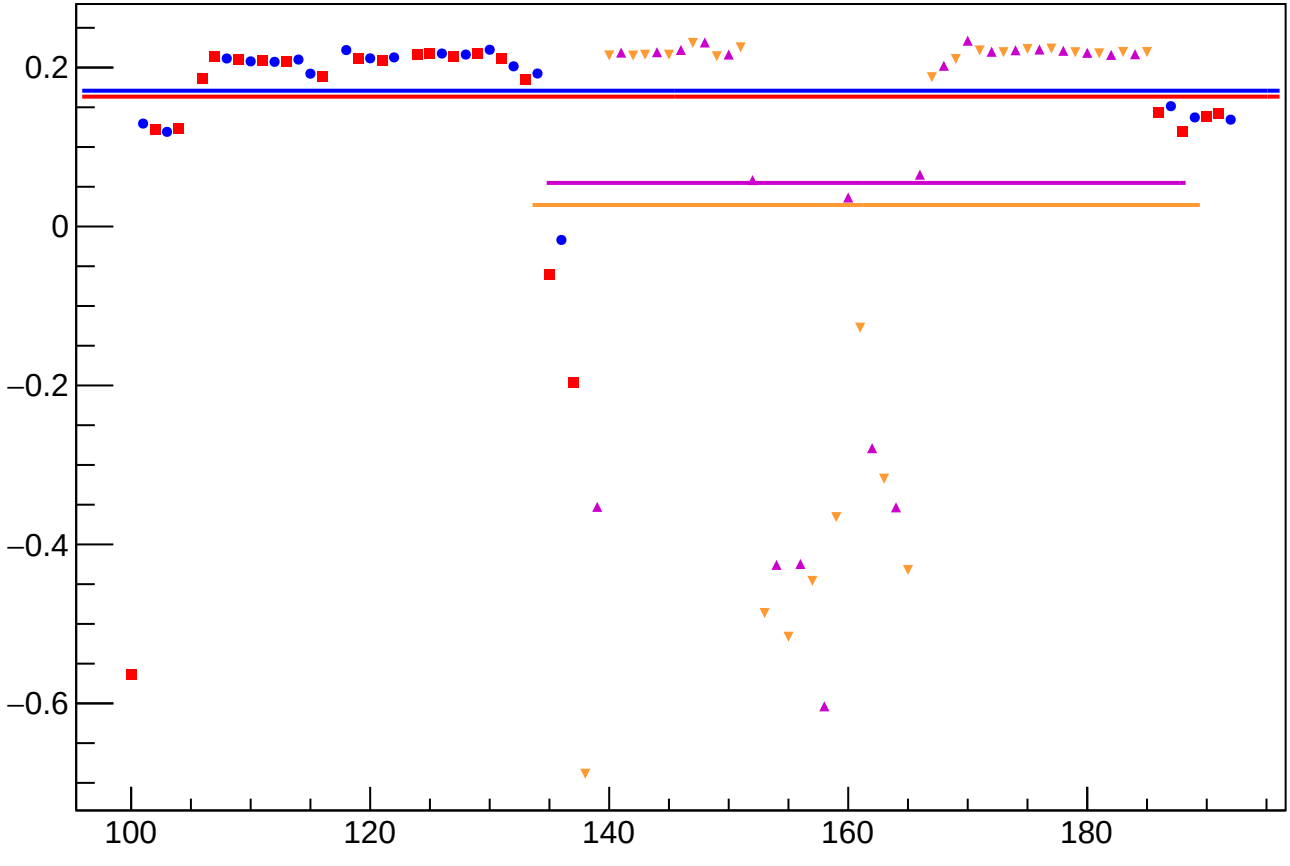
Right: 0.003+/-0.000 χ^2/NDF: 460399.5/41

In: 0.002+/-0.000 χ^2/NDF:862821.0/41

Out: 0.002+/-0.000 χ^2/NDF:923508.3/47

All: 0.002+/-0.000 χ^2/NDF: 1786336.3/89

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: 0.163+/-0.000 χ^2/NDF: 904975728.5/22

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

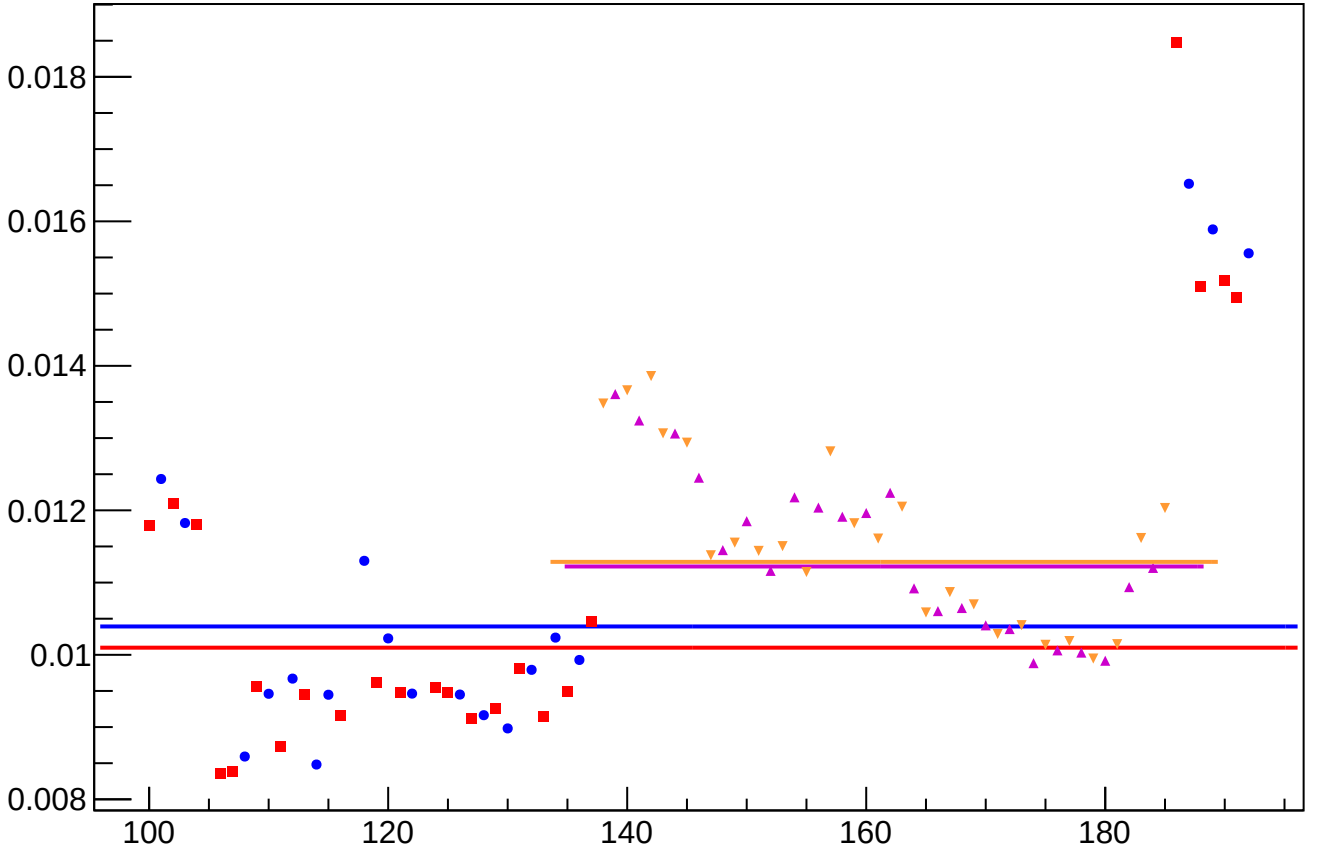
Right: 0.167+/-0.000 χ^2/NDF: 1317721856.5/41

In: 0.096+/-0.000 χ^2/NDF:10778006462.9/41

Out: 0.078+/-0.000 χ^2/NDF:14884080787.6/47

All: 0.087+/-0.000 χ^2/NDF: 25698369772.8/8

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: 0.010+/-0.000 χ^2/NDF: 668746.2/22

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

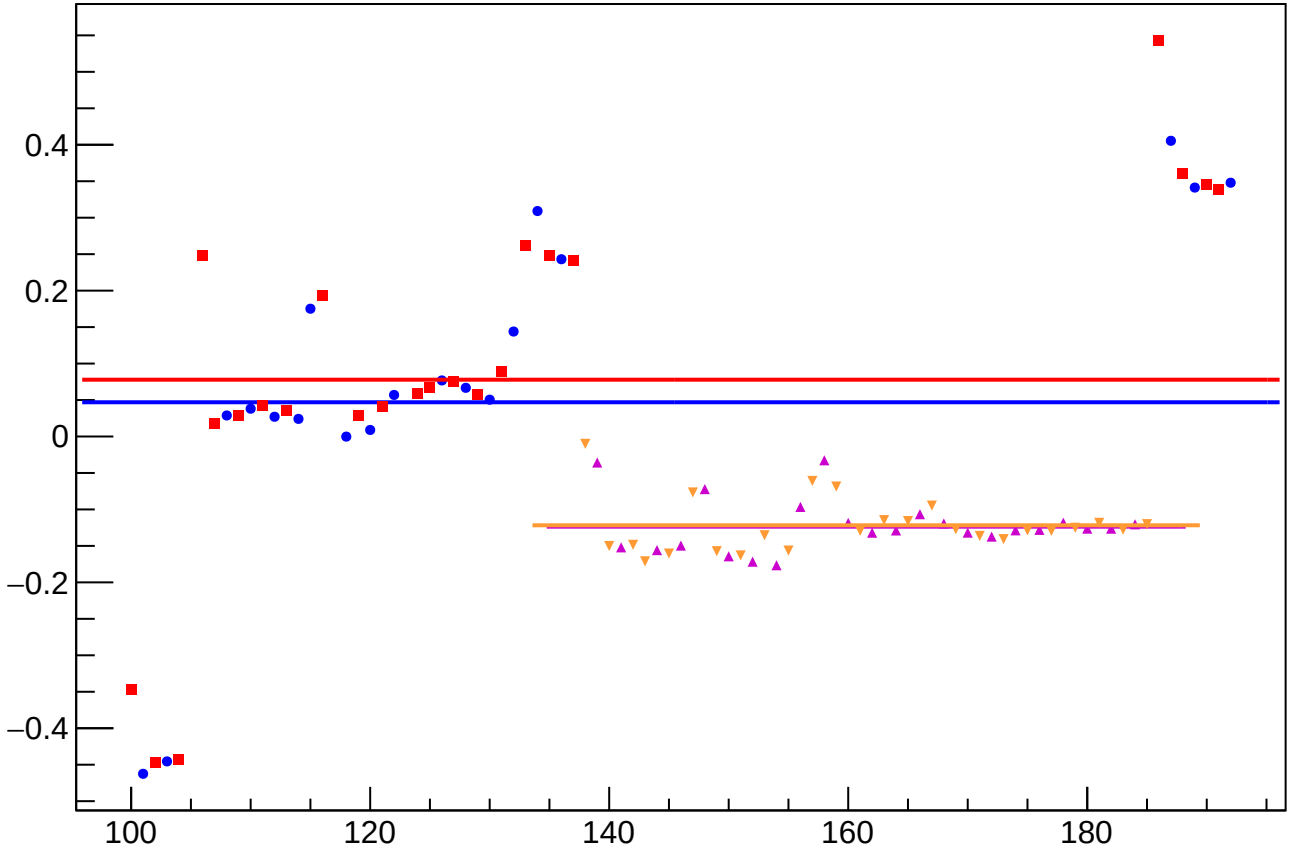
Right: 0.010+/-0.000 χ^2/NDF: 1242685.0/41

In: 0.011+/-0.000 χ^2/NDF:950130.2/41

Out: 0.011+/-0.000 χ^2/NDF:1149412.7/47

All: 0.011+/-0.000 χ^2/NDF: 2101161.5/89

yield_bpm0l08Y_mean vs Slug, Sign Corrected



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: 0.078+/-0.000 χ^2/NDF: 39402657388.0/22

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

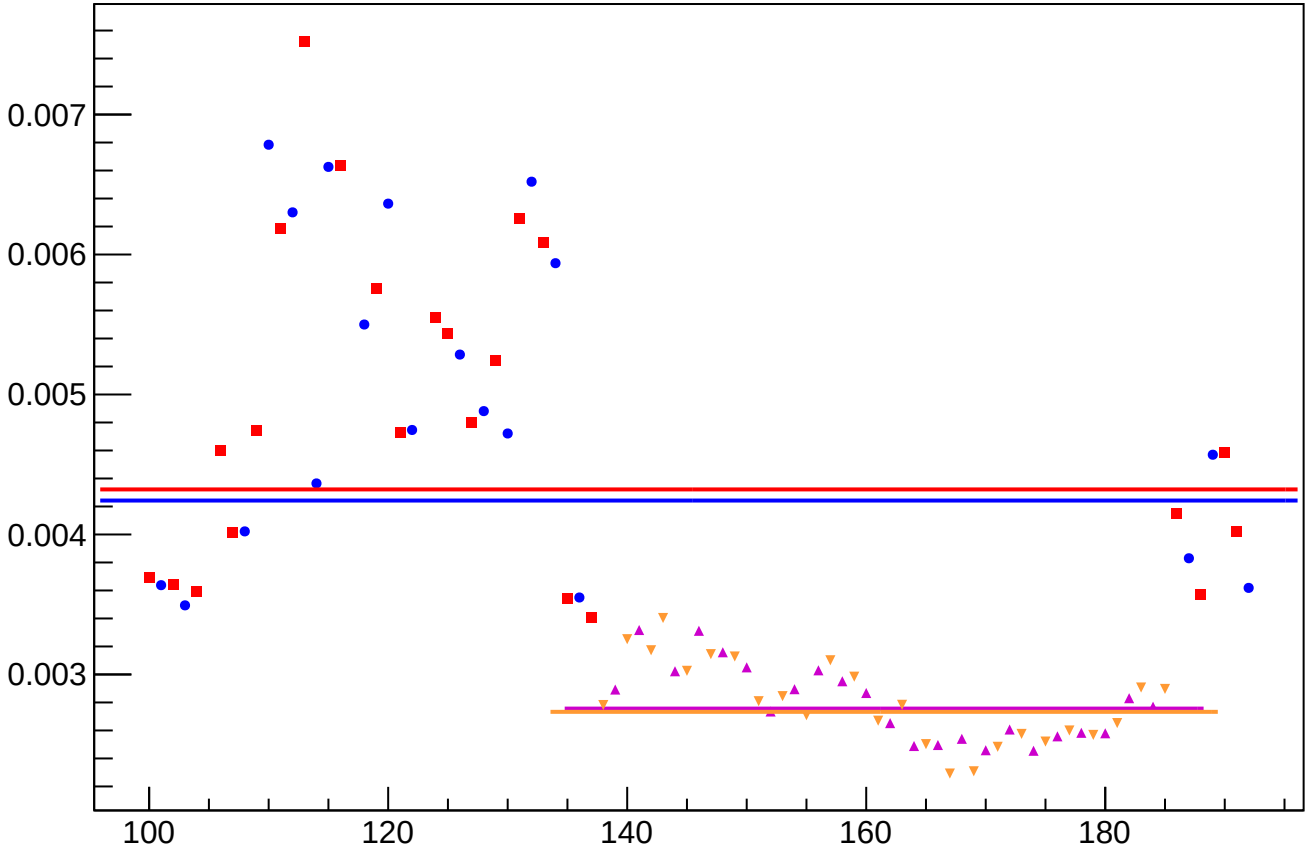
Right: 0.063+/-0.000 χ^2/NDF: 77027753889.5/41

In: -0.097+/-0.000 χ^2/NDF:50680649080.4/41

Out: -0.092+/-0.000 χ^2/NDF:57152044429.3/47

All: -0.094+/-0.000 χ^2/NDF: 107872196819.5

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: 813097.9/22

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

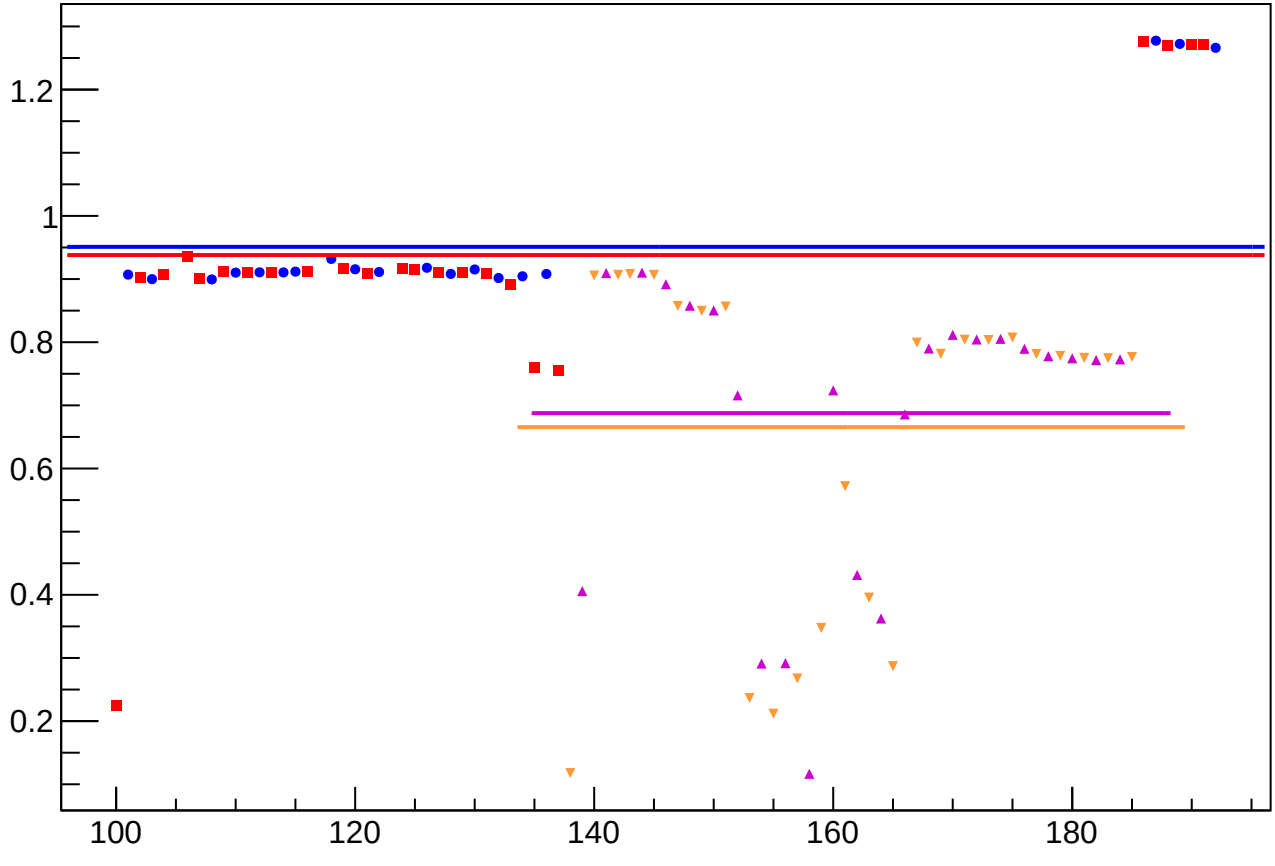
Right: 0.004+/-0.000 χ^2/NDF: 1551682.8/41

In: 0.003+/-0.000 χ^2/NDF:2616326.0/41

Out: 0.003+/-0.000 χ^2/NDF:3083937.1/47

All: 0.003+/-0.000 χ^2/NDF: 5701005.8/89

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: 0.938+/-0.000 χ^2/NDF: 1415164579.3/22

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

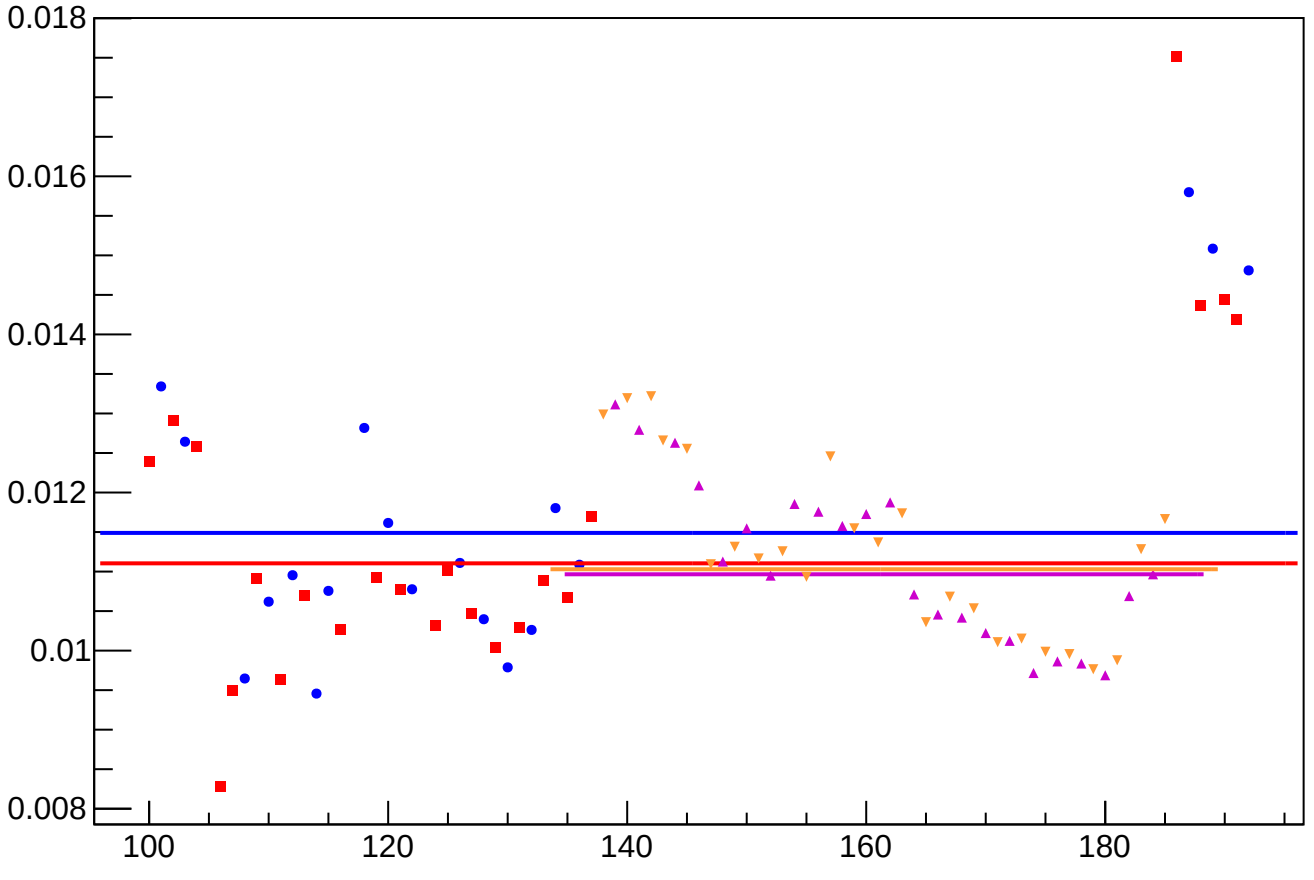
Right: 0.944+/-0.000 χ^2/NDF: 2261944417.6/41

In: 0.768+/-0.000 χ^2/NDF:10909857063.3/41

Out: 0.754+/-0.000 χ^2/NDF:14273127835.7/47

All: 0.761+/-0.000 χ^2/NDF: 25204690598.6/8

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: 431353.5/22

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

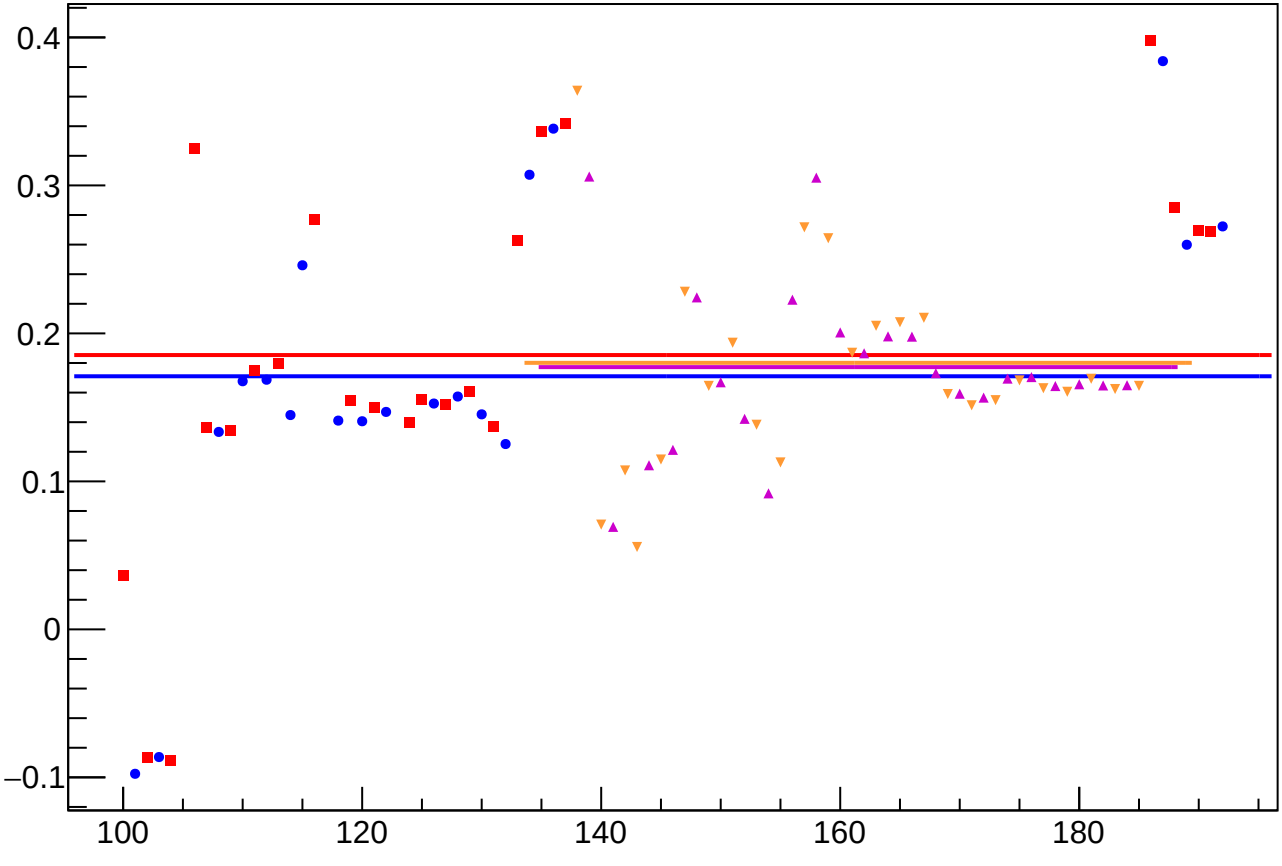
Right: 0.011+/-0.000 χ^2/NDF: 775604.1/41

In: 0.011+/-0.000 χ^2/NDF:646098.3/41

Out: 0.011+/-0.000 χ^2/NDF:731345.4/47

All: 0.011+/-0.000 χ^2/NDF: 1378555.4/89

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: 0.185+/-0.000 χ^2/NDF: 9013162644.5/22

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

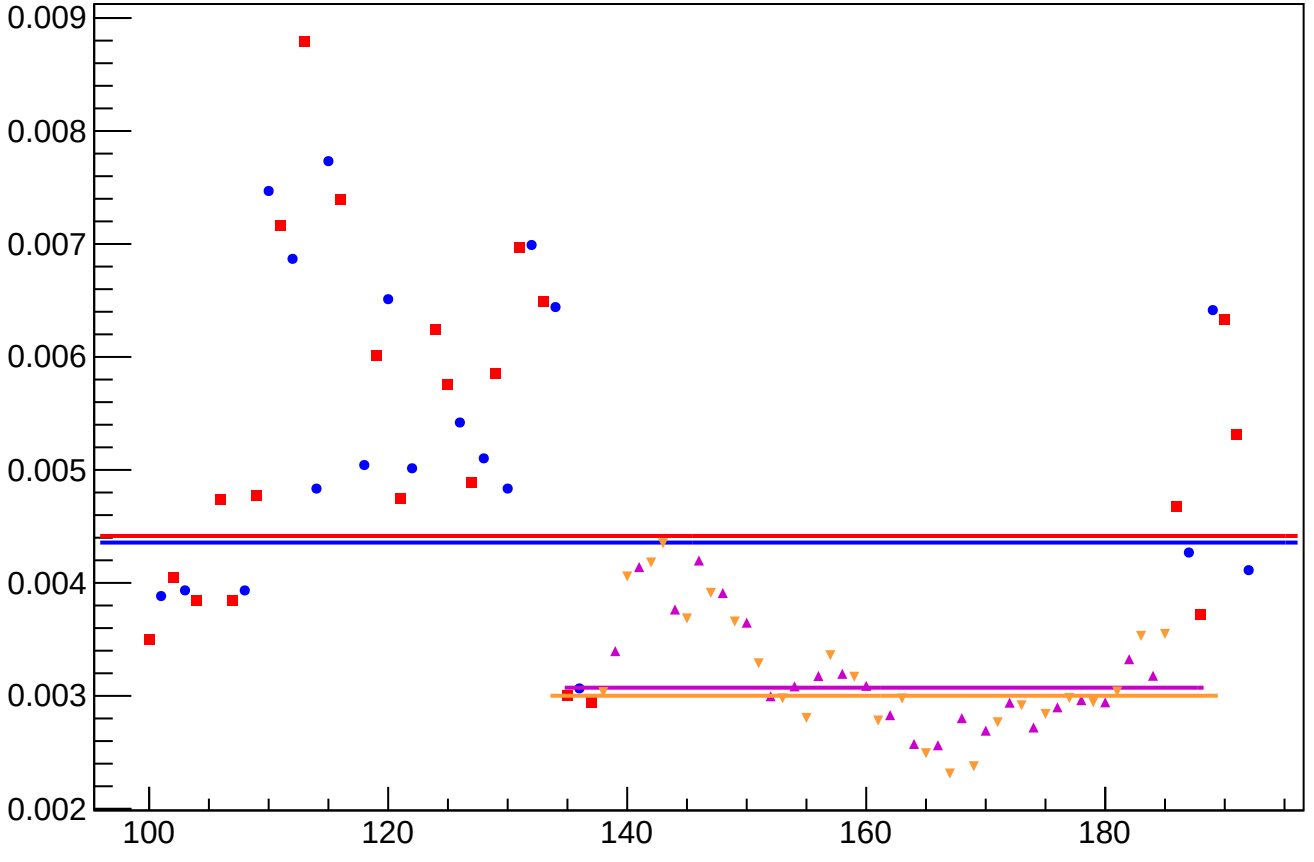
Right: 0.178+/-0.000 χ^2/NDF: 18174290486.2/41

In: 0.176+/-0.000 χ^2/NDF:13754275768.0/41

Out: 0.181+/-0.000 χ^2/NDF:15471015889.9/47

All: 0.179+/-0.000 χ^2/NDF: 29251970204.6/8

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: 1218574.7/22

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

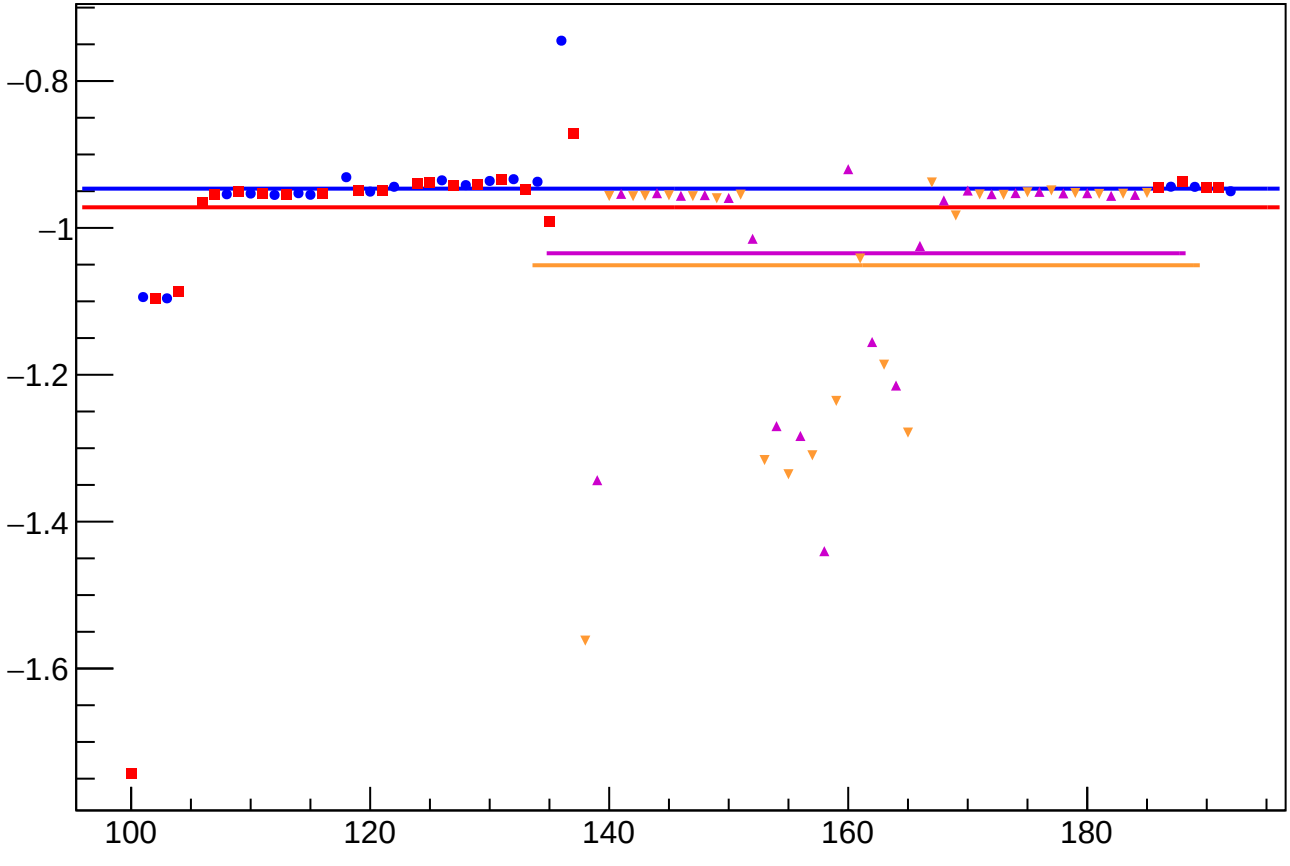
Right: 0.004+/-0.000 χ^2/NDF: 2209174.7/41

In: 0.003+/-0.000 χ^2/NDF:2613427.6/41

Out: 0.003+/-0.000 χ^2/NDF:3412140.6/47

All: 0.003+/-0.000 χ^2/NDF: 6034648.7/89

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: -0.972+/-0.000 χ^2/NDF: 474726814.5/22

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

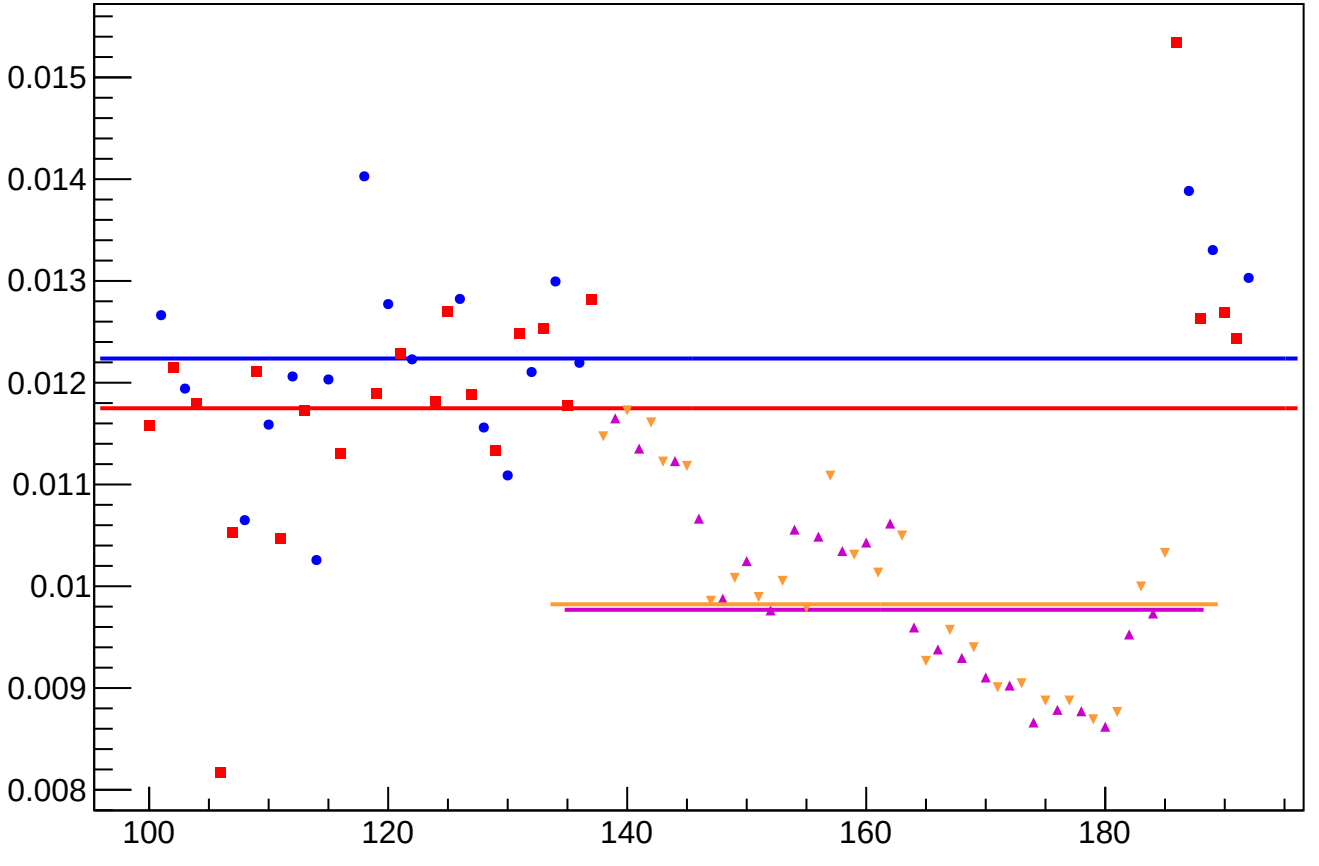
Right: -0.960+/-0.000 χ^2/NDF: 898945604.6/41

In: -1.014+/-0.000 χ^2/NDF:4666317775.2/41

Out: -1.031+/-0.000 χ^2/NDF:5860474976.9/47

All: -1.023+/-0.000 χ^2/NDF: 10562803617.4/

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: 213446.7/22

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

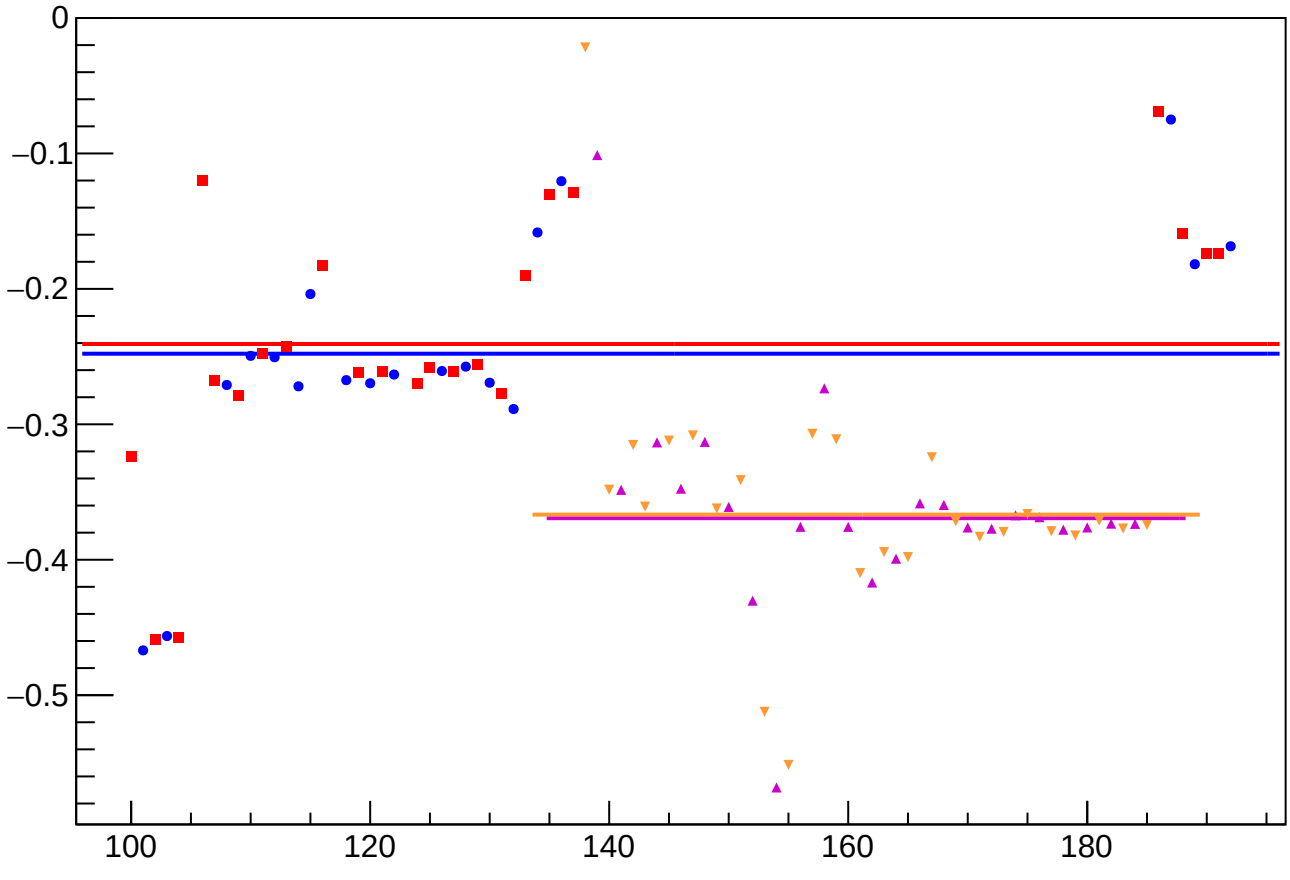
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.012+/-0.000 χ^2/NDF: 312381.6/41

In: 0.010+/-0.000 χ^2/NDF:895075.1/41

Out: 0.010+/-0.000 χ^2/NDF:868992.9/47

All: 0.010+/-0.000 χ^2/NDF: 1764442.3/89



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: -0.241+/-0.000 χ^2/NDF: 6437992200.0/22

Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

Left: -0.368+/-0.000 χ^2/NDF: 19531807890.3/47

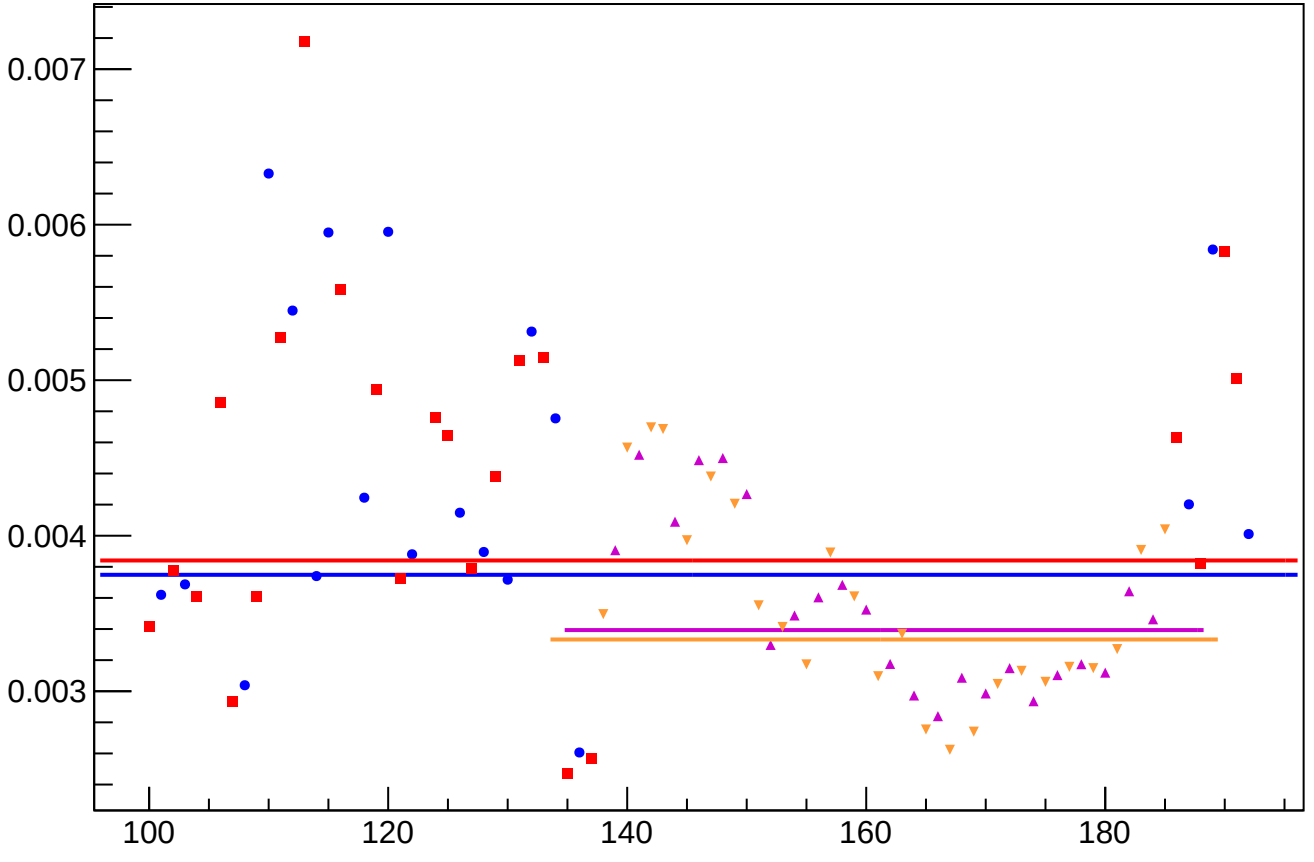
Right: -0.244+/-0.000 χ^2/NDF: 13342057624.6/41

In: -0.337+/-0.000 χ^2/NDF:20083474506.4/41

Out: -0.335+/-0.000 χ^2/NDF:24644587141.8/47

All: -0.336+/-0.000 χ^2/NDF: 44732177960.8/

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: 1023631.9/22

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

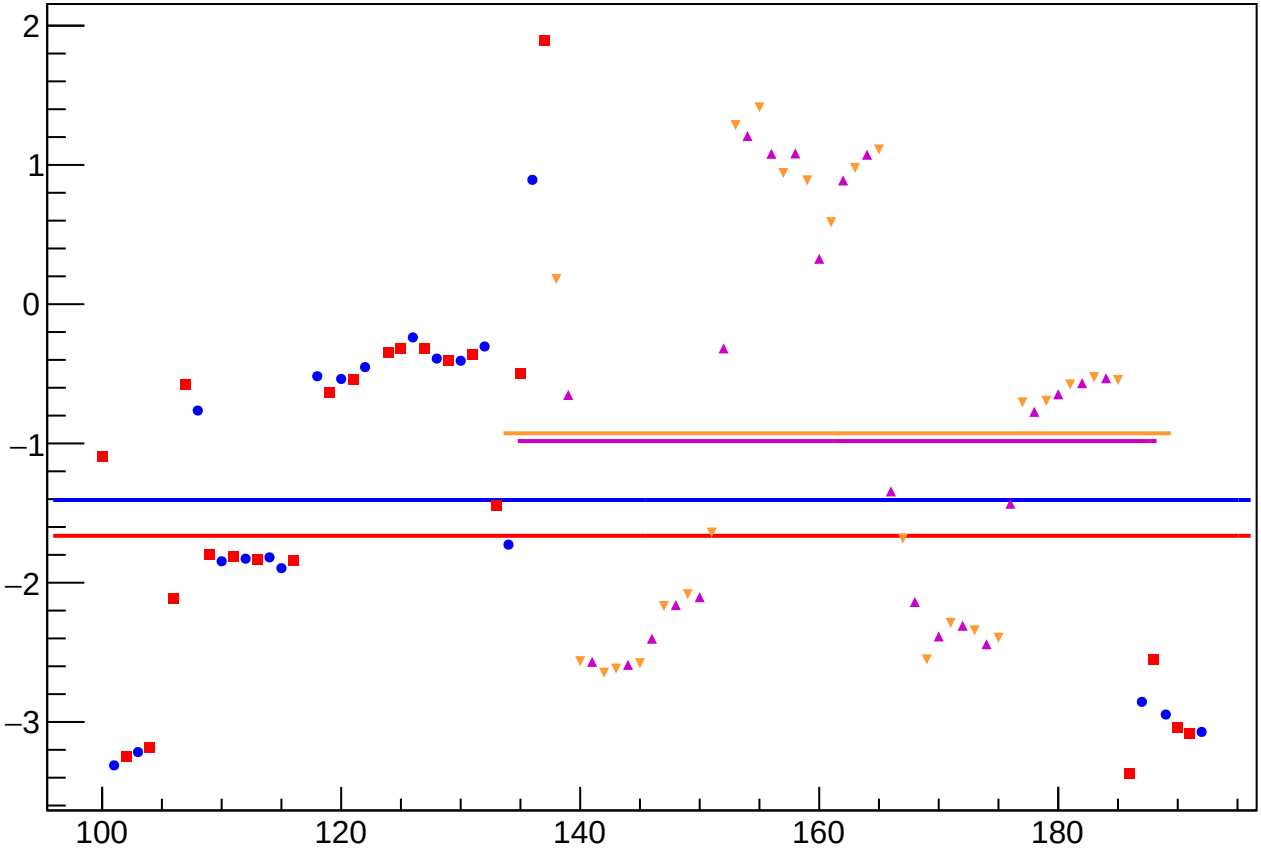
Right: 0.004+/-0.000 χ^2/NDF: 1907667.0/41

In: 0.003+/-0.000 χ^2/NDF:1609283.1/41

Out: 0.003+/-0.000 χ^2/NDF:2084895.2/47

All: 0.003+/-0.000 χ^2/NDF: 3695719.3/89

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: -1.663+/-0.000 χ^2/NDF: 2666896788.1/22

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

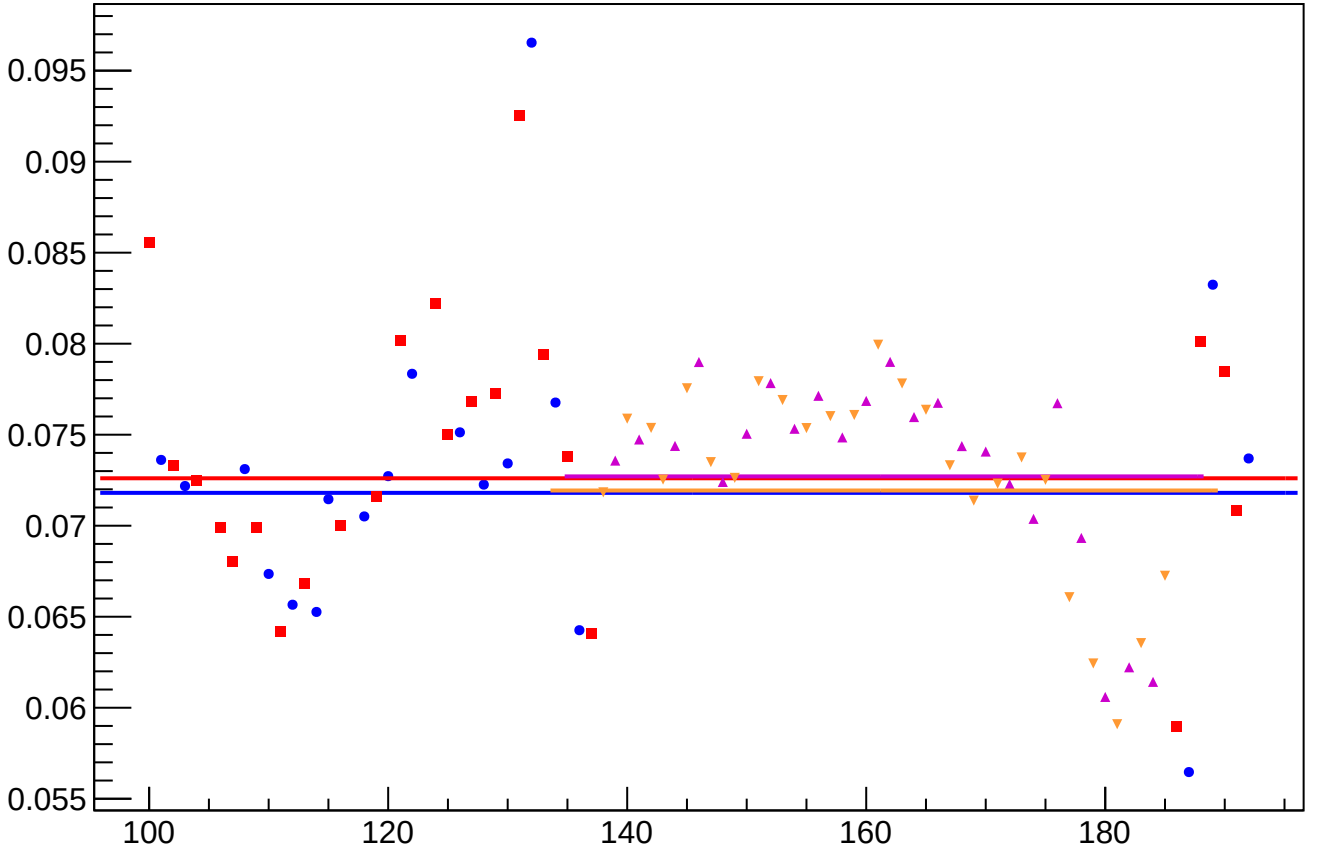
Right: -1.537+/-0.000 χ^2/NDF: 6030421025.2/41

In: -1.123+/-0.000 χ^2/NDF:9427048428.1/41

Out: -1.164+/-0.000 χ^2/NDF:10554263438.6/47

All: -1.144+/-0.000 χ^2/NDF: 19985678501.2/

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: 160295.2/22

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

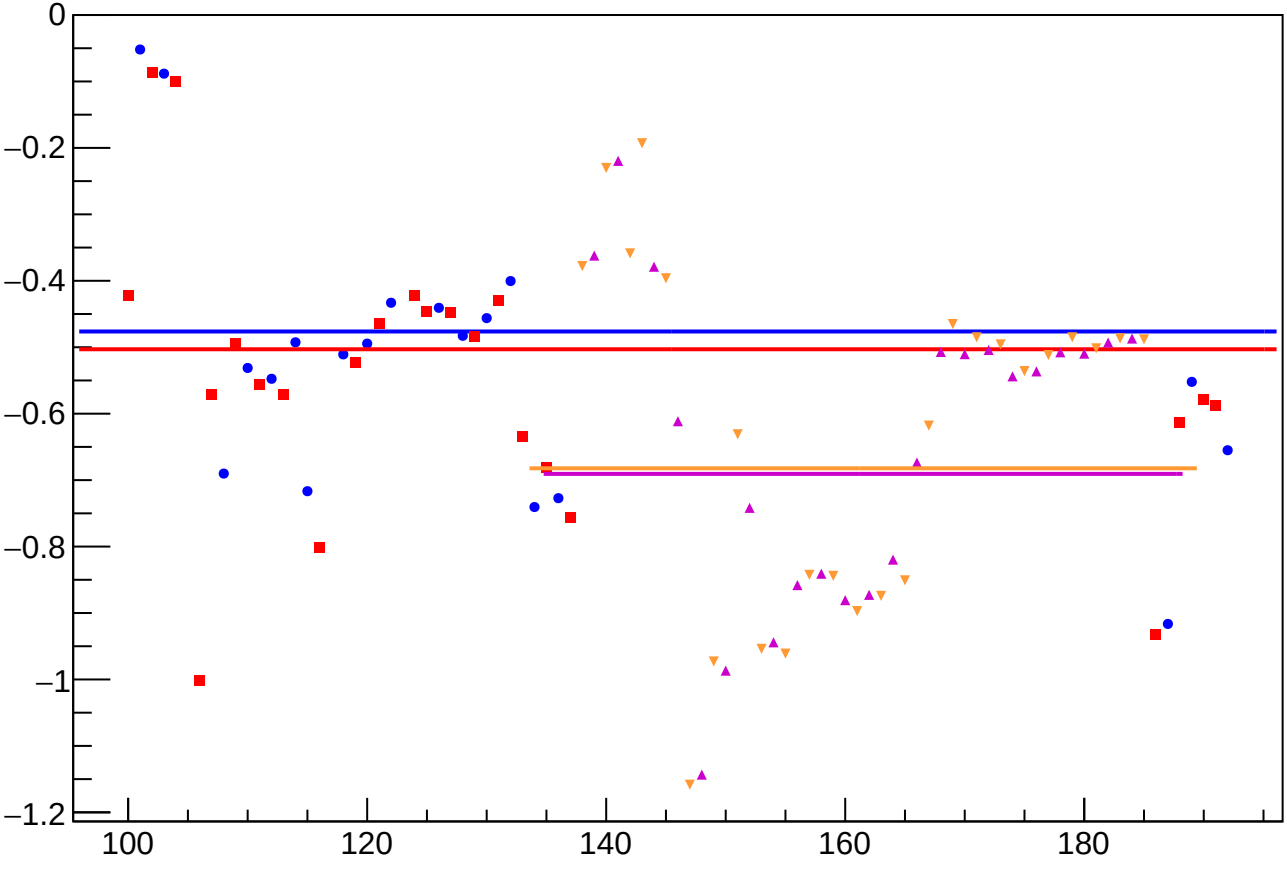
Right: 0.072+/-0.000 χ^2/NDF: 309394.1/41

In: 0.072+/-0.000 χ^2/NDF:346847.7/41

Out: 0.072+/-0.000 χ^2/NDF:396892.0/47

All: 0.072+/-0.000 χ^2/NDF: 744092.2/89

yield_bpm0r03Y_mean vs Slug, Sign Corrected



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: -0.503+/-0.000 χ^2/NDF: 4221354634.8/22

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

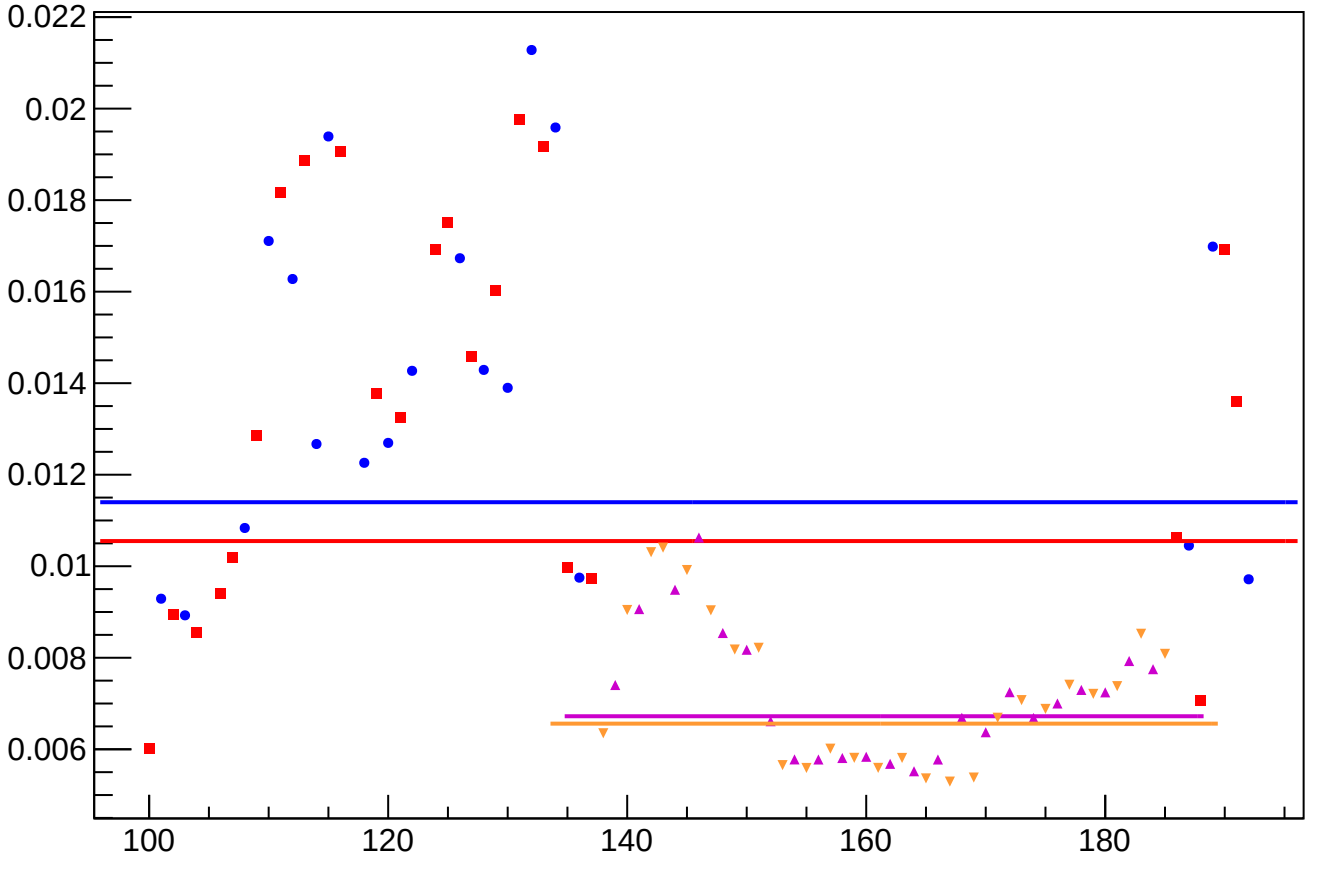
Right: -0.491+/-0.000 χ^2/NDF: 8082019553.7/41

In: -0.662+/-0.000 χ^2/NDF:22991760130.9/41

Out: -0.657+/-0.000 χ^2/NDF:27880718681.5/47

All: -0.659+/-0.000 χ^2/NDF: 50877262907.1/

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: 0.011+/-0.000 χ^2/NDF: 1733351.3/22

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

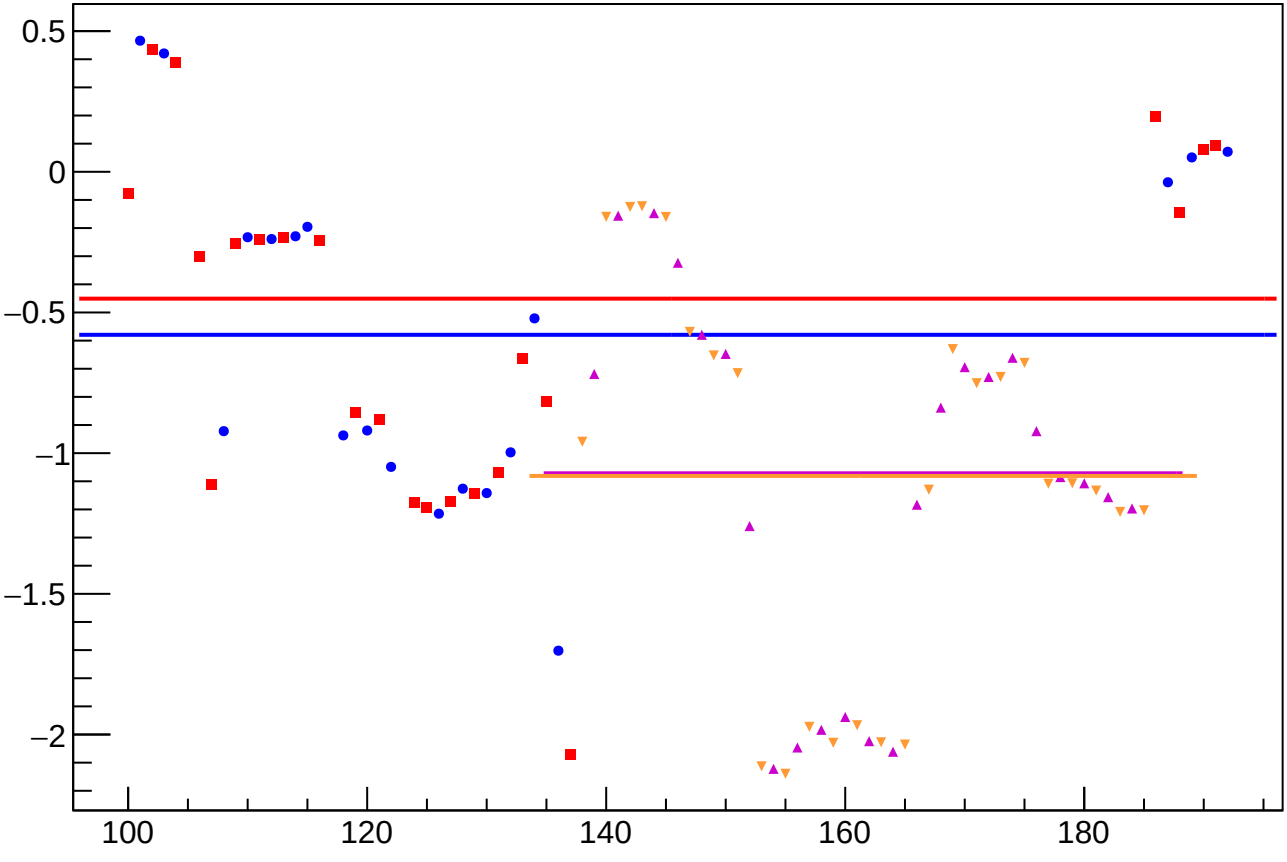
Right: 0.011+/-0.000 χ^2/NDF: 2733960.3/41

In: 0.007+/-0.000 χ^2/NDF:4093966.0/41

Out: 0.007+/-0.000 χ^2/NDF:4958544.3/47

All: 0.007+/-0.000 χ^2/NDF: 9076818.1/89

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: -0.451+/-0.000 χ^2/NDF: 427176483.9/22

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

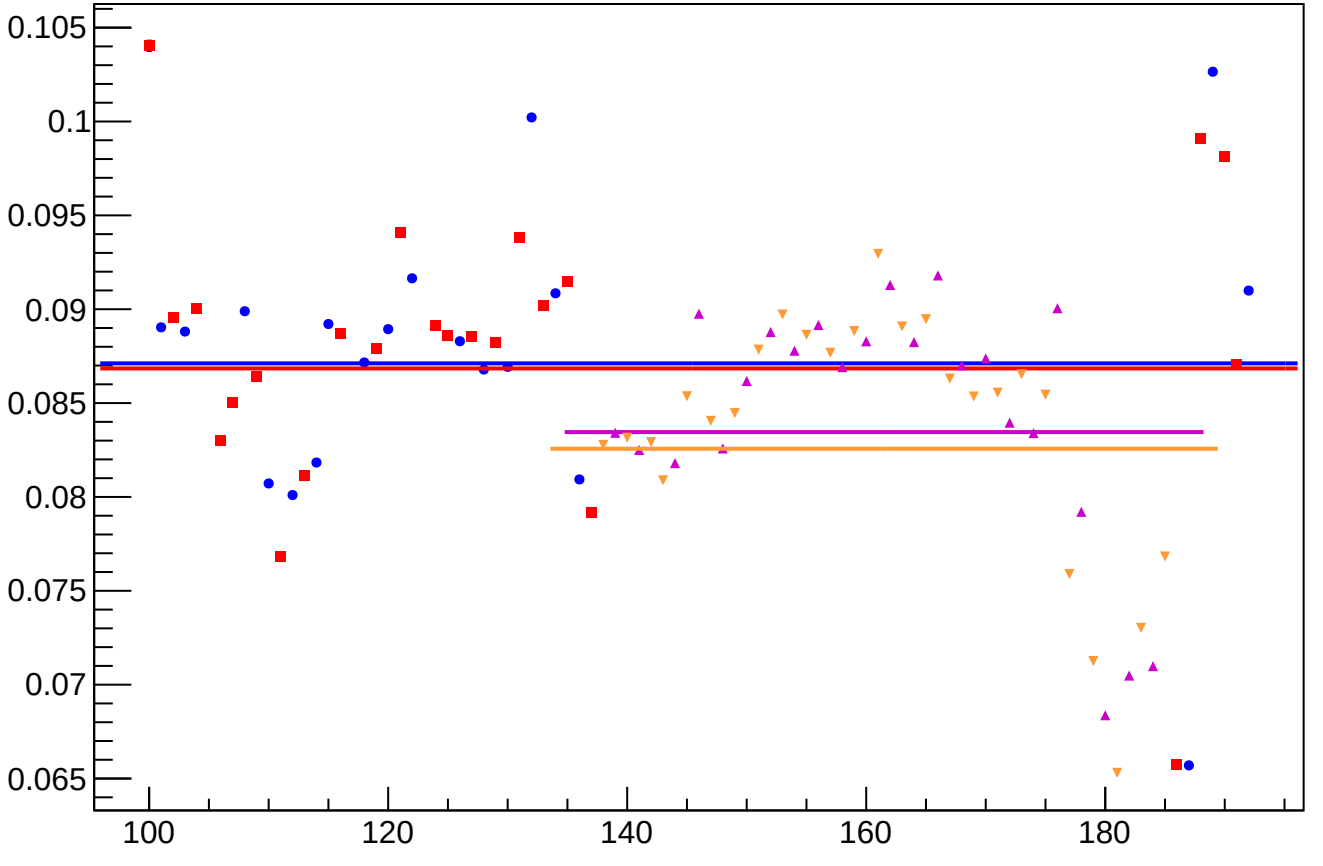
Right: -0.513+/-0.000 χ^2/NDF: 974672214.5/41

In: -0.919+/-0.000 χ^2/NDF:1707736407.8/41

Out: -0.888+/-0.000 χ^2/NDF:1920291457.4/47

All: -0.903+/-0.000 χ^2/NDF: 3629959132.3/8

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: 168695.9/22

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

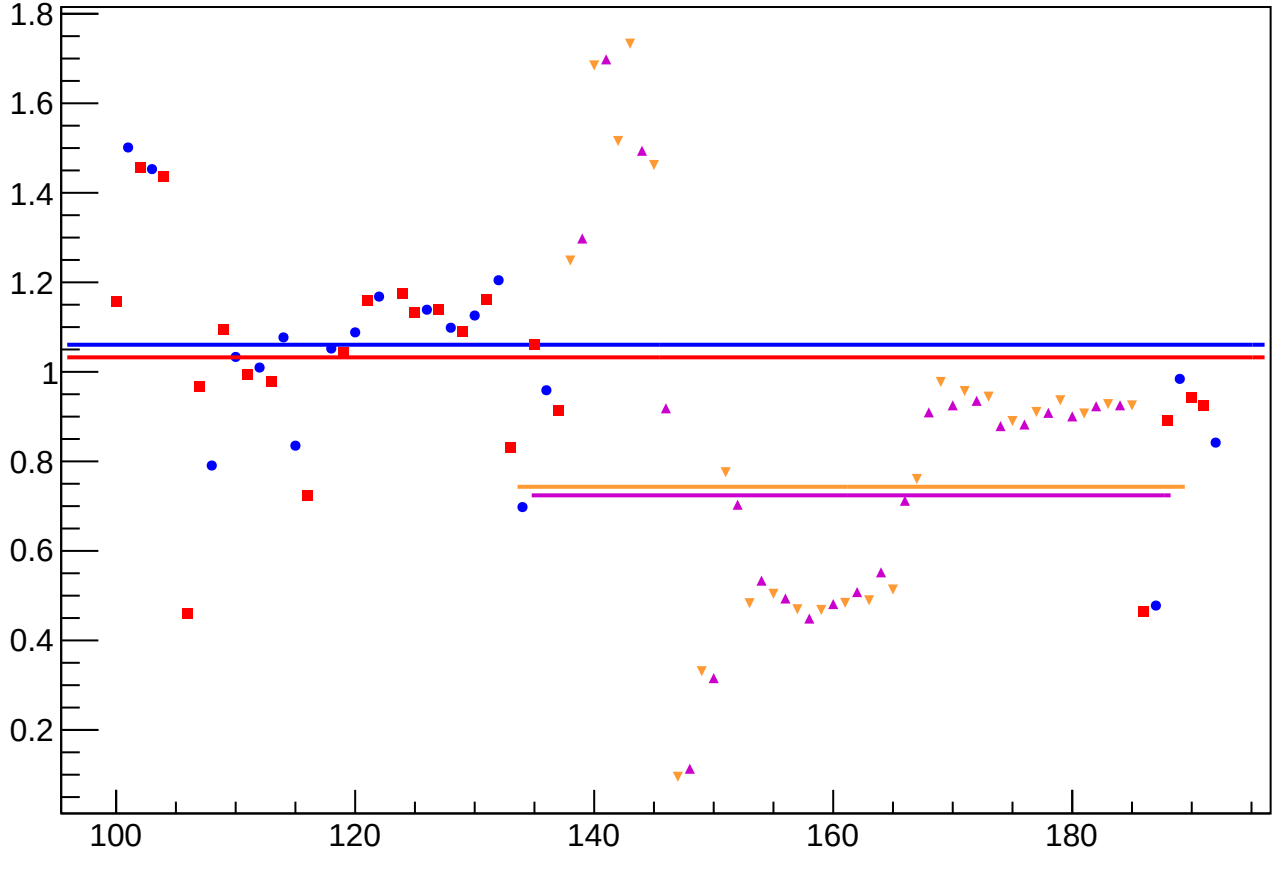
Right: 0.087+/-0.000 χ^2/NDF: 279823.8/41

In: 0.085+/-0.000 χ^2/NDF:370965.9/41

Out: 0.084+/-0.000 χ^2/NDF:491229.1/47

All: 0.084+/-0.000 χ^2/NDF: 864154.4/89

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: 1.032+/-0.000 χ^2/NDF: 2547342068.2/22

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

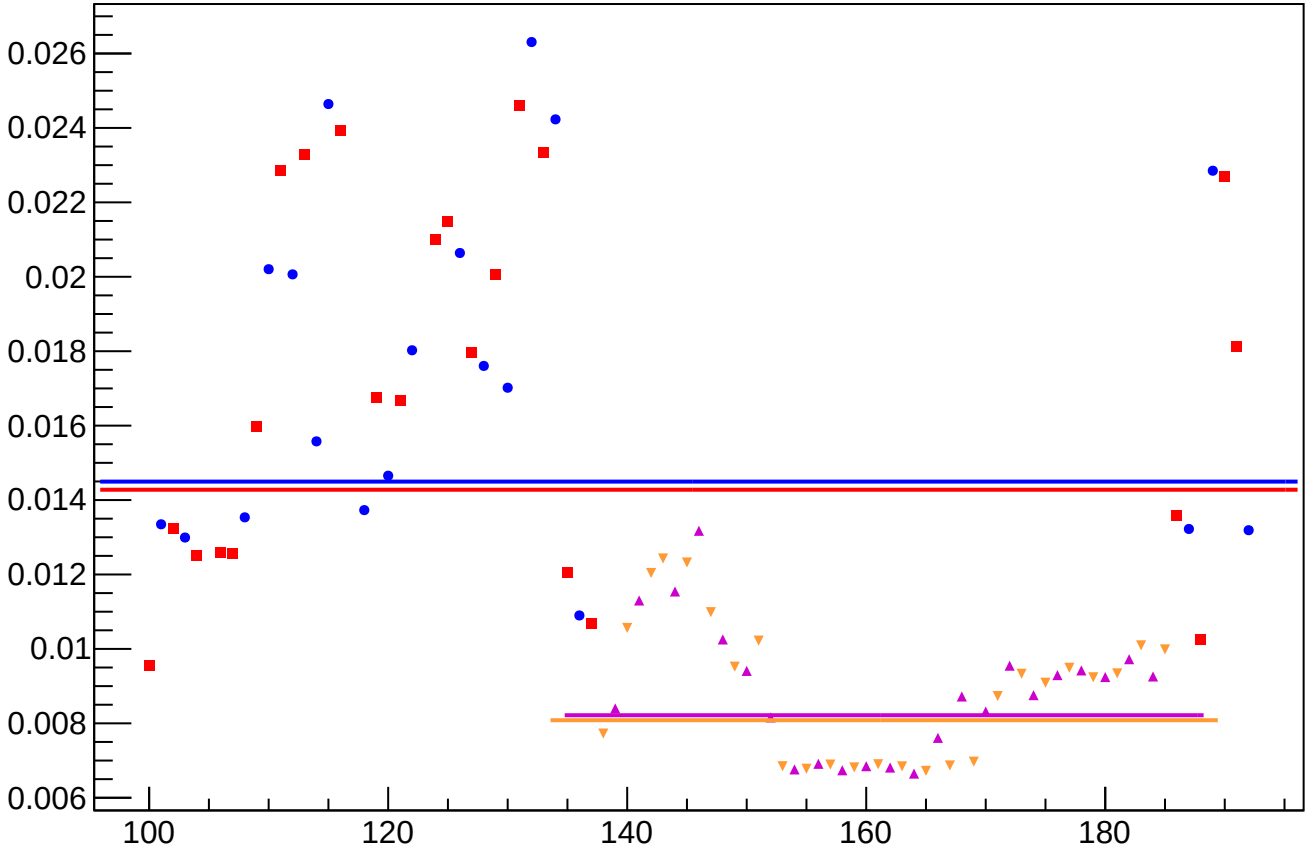
Right: 1.046+/-0.000 χ^2/NDF: 4684041518.7/41

In: 0.766+/-0.000 χ^2/NDF:31299520769.7/41

Out: 0.778+/-0.000 χ^2/NDF:37880166246.5/47

All: 0.773+/-0.000 χ^2/NDF: 69200517978.6/8

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: 1258623.8/22

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

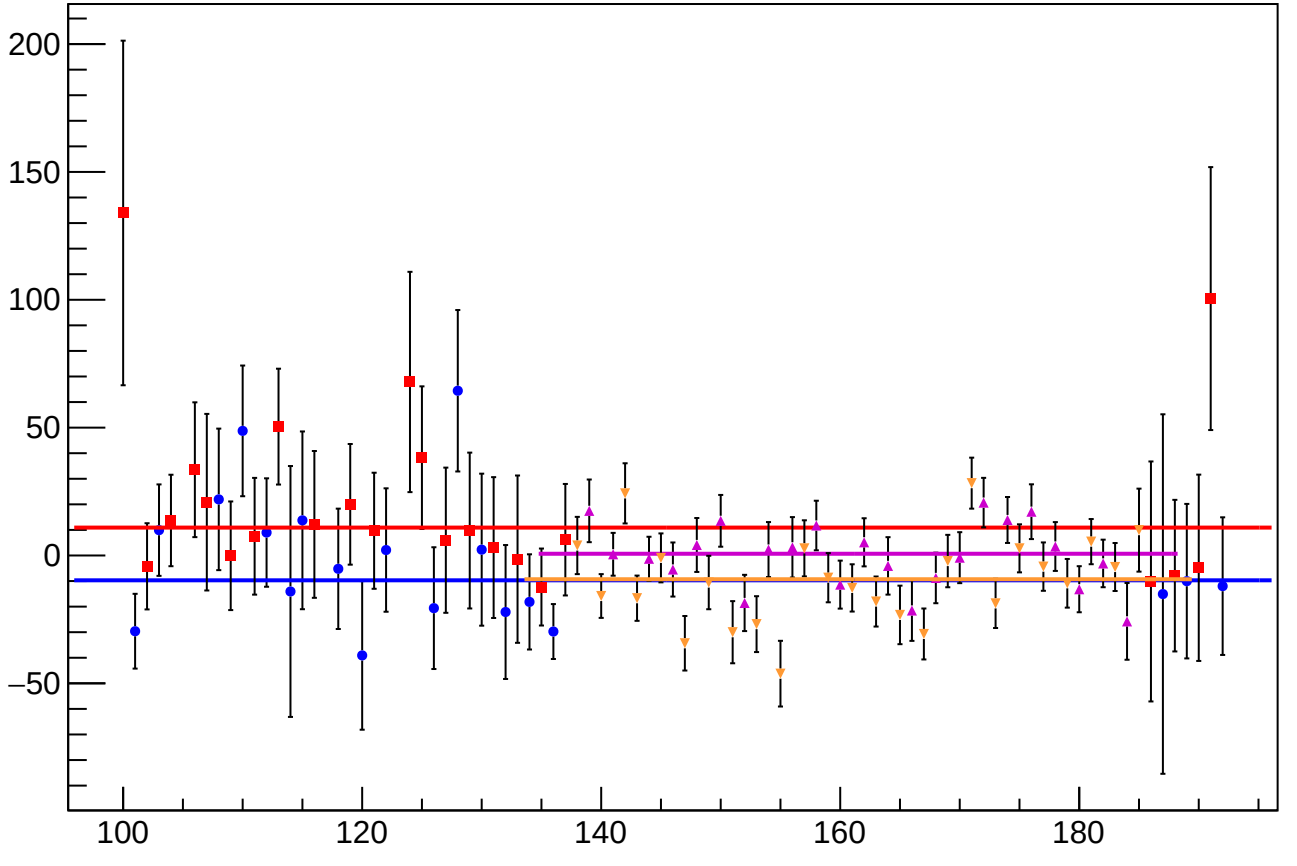
Right: 0.014+/-0.000 χ^2/NDF: 2126038.2/41

In: 0.009+/-0.000 χ^2/NDF:4446847.0/41

Out: 0.009+/-0.000 χ^2/NDF:5188764.5/47

All: 0.009+/-0.000 χ^2/NDF: 9644367.5/89

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: 10.908+/-5.284 χ^2/NDF: 17.7/22

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

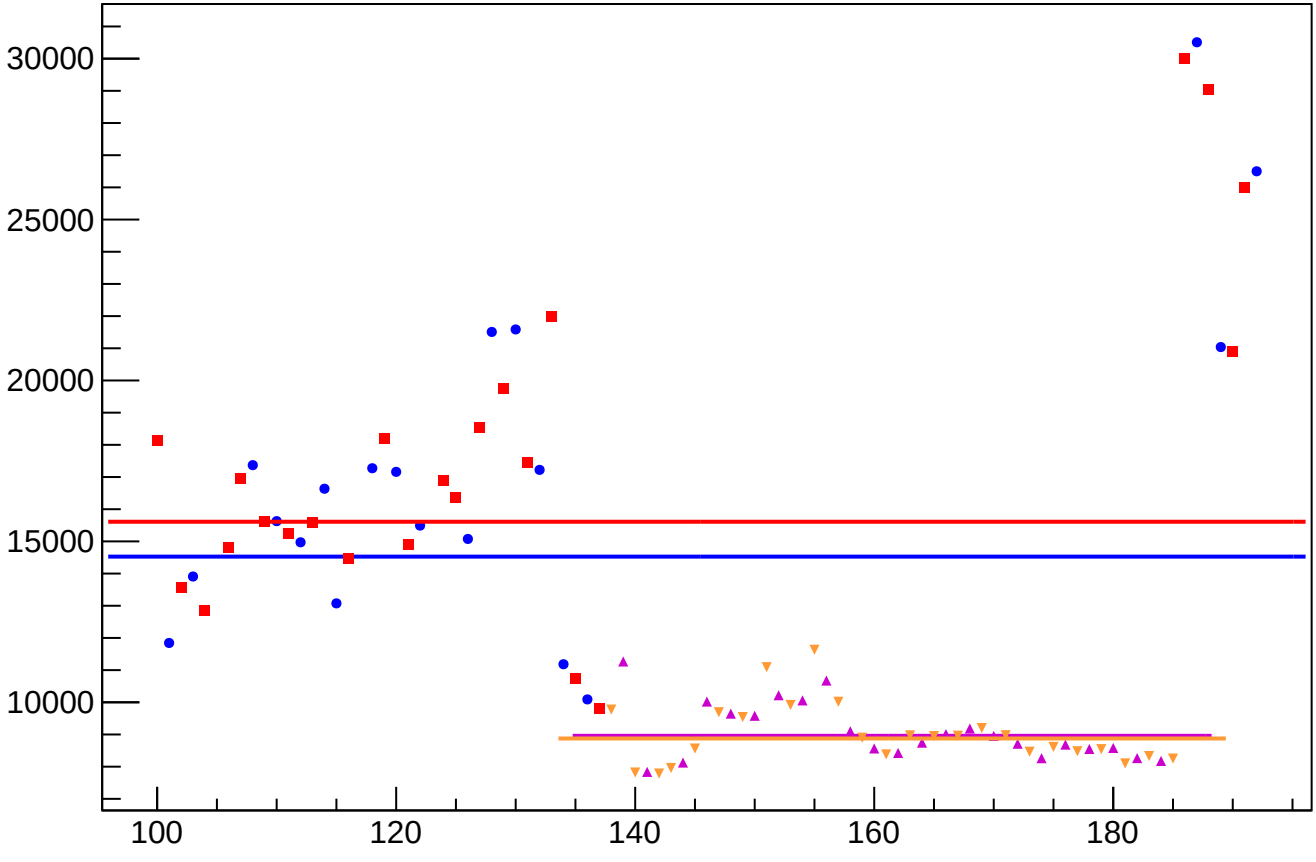
Right: 0.240+/-3.671 χ^2/NDF: 47.5/41

In: -0.833+/-1.945 χ^2/NDF:54.9/41

Out: -6.692+/-1.895 χ^2/NDF:91.6/47

All: -3.839+/-1.358 χ^2/NDF: 151.1/89

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: 15610.798+/-3.736 χ^2/NDF: 1333107.3/22

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8915.664+/-1.033 χ^2/NDF: 650301.9/47

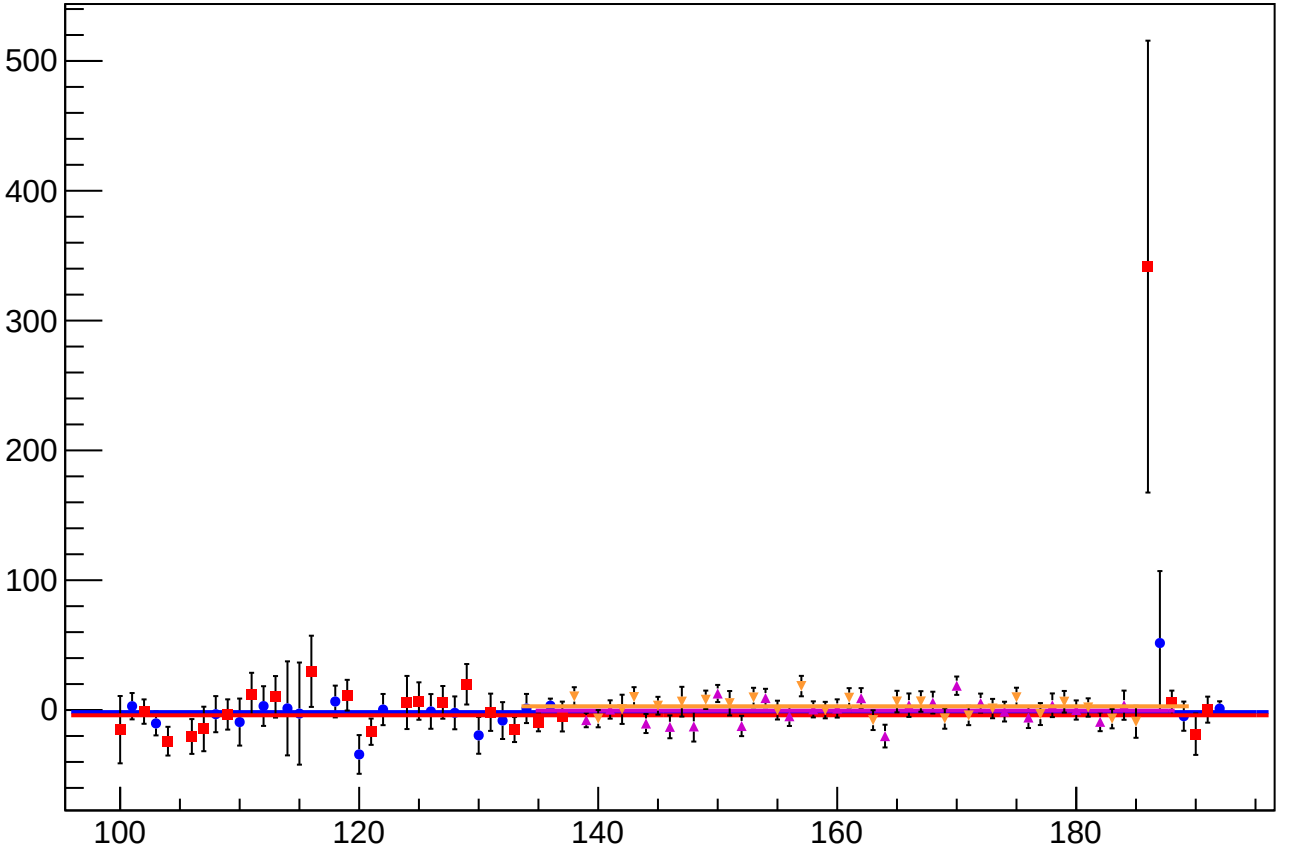
Right: 15049.895+/-2.596 χ^2/NDF: 2756870.5/41

In: 9767.856+/-1.376 χ^2/NDF:3717206.2/41

Out: 9742.279+/-1.340 χ^2/NDF:4511346.0/47

All: 9754.736+/-0.960 χ^2/NDF: 8228729.6/89

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: -4.053+/-2.586 χ^2/NDF: 23.7/22

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

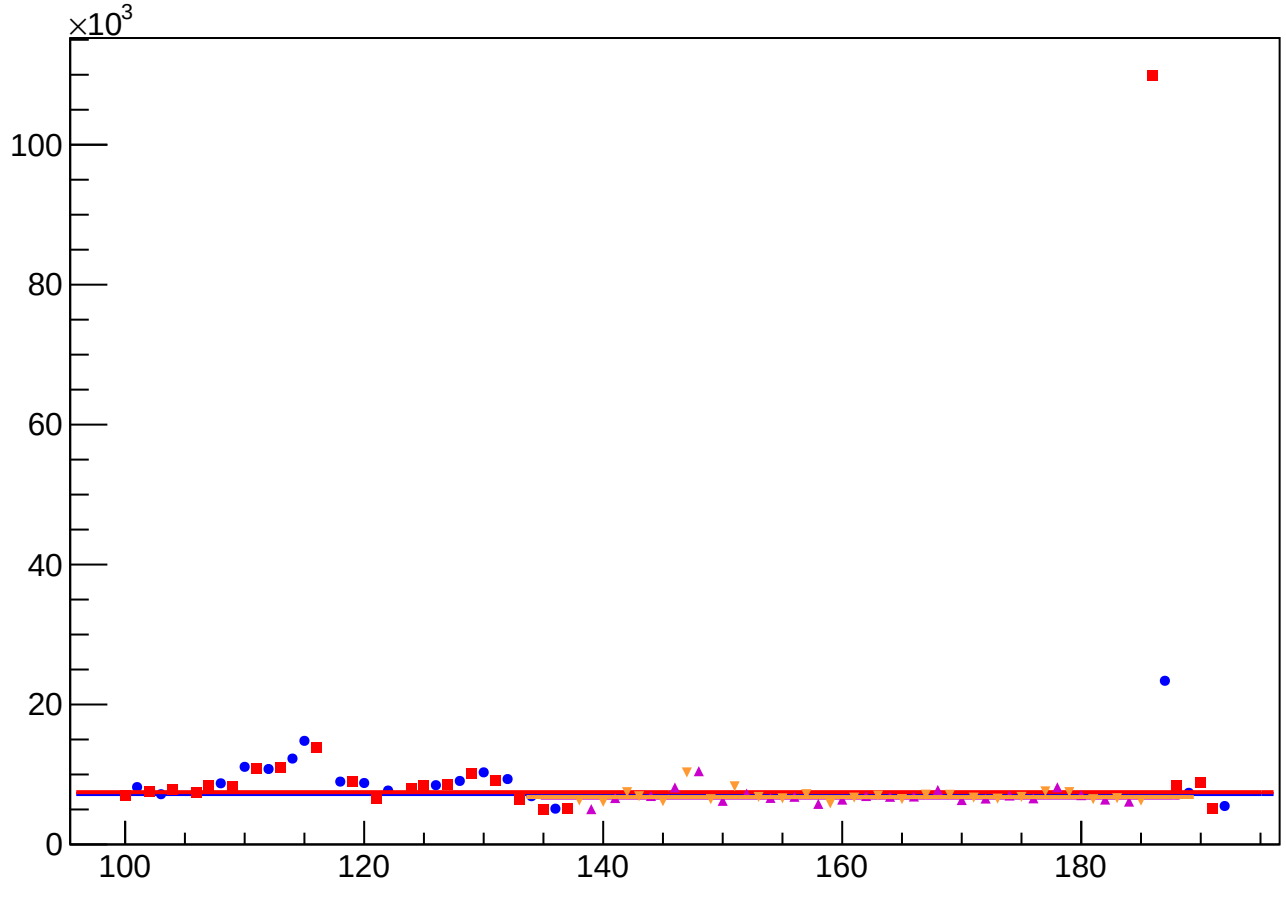
Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

Right: -2.800+/-1.806 χ^2/NDF: 34.7/41

In: -0.779+/-1.340 χ^2/NDF:43.5/41

Out: 1.040+/-1.332 χ^2/NDF:48.4/47

All: 0.136+/-0.945 χ^2/NDF: 92.9/89



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: 7473.400+/-1.828 χ^2/NDF: 1669708.5/22

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

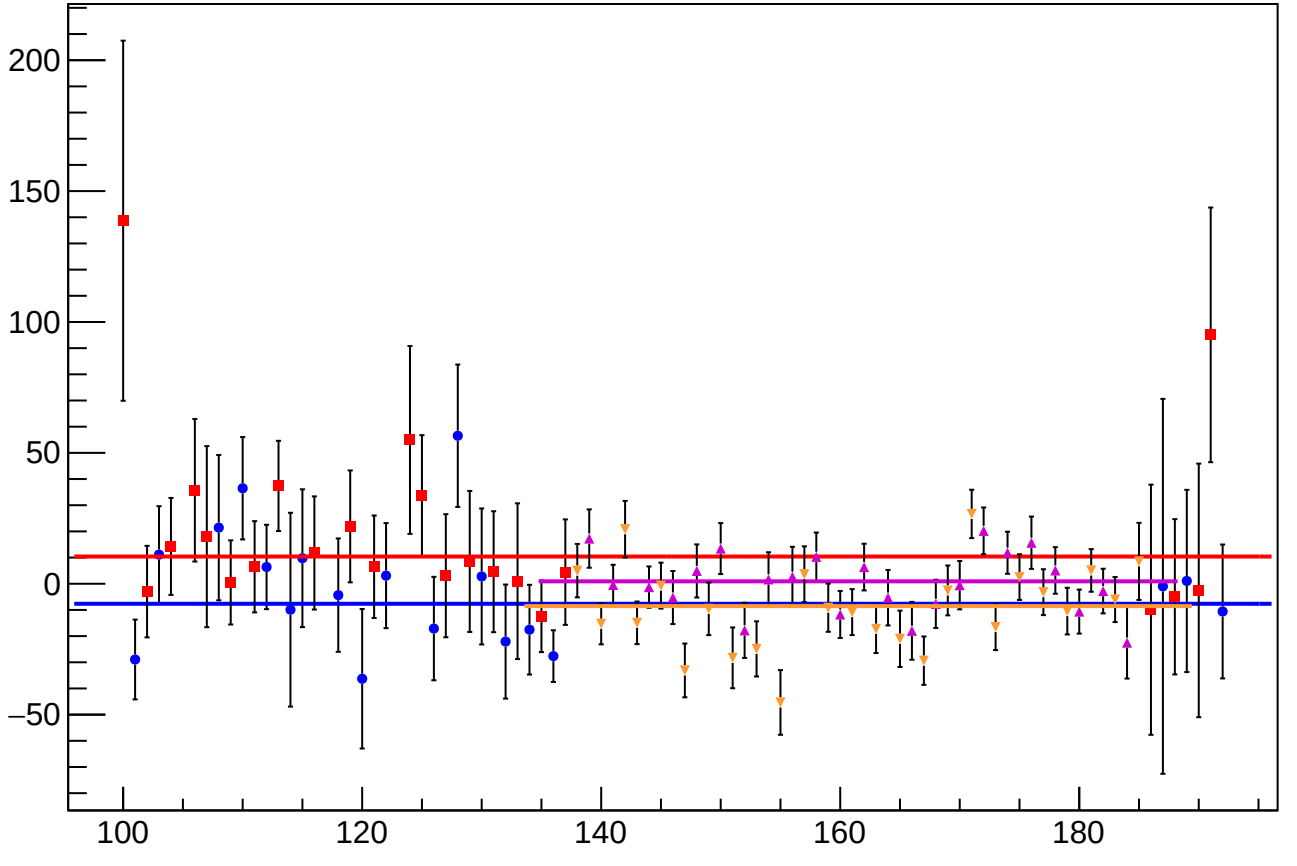
Right: 7334.898+/-1.277 χ^2/NDF: 2965420.6/41

In: 6834.204+/-0.948 χ^2/NDF:1964156.8/41

Out: 6961.568+/-0.942 χ^2/NDF:2176549.2/47

All: 6898.287+/-0.668 χ^2/NDF: 4149794.2/89

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: 10.399+/-4.708 χ^2/NDF: 17.5/22

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

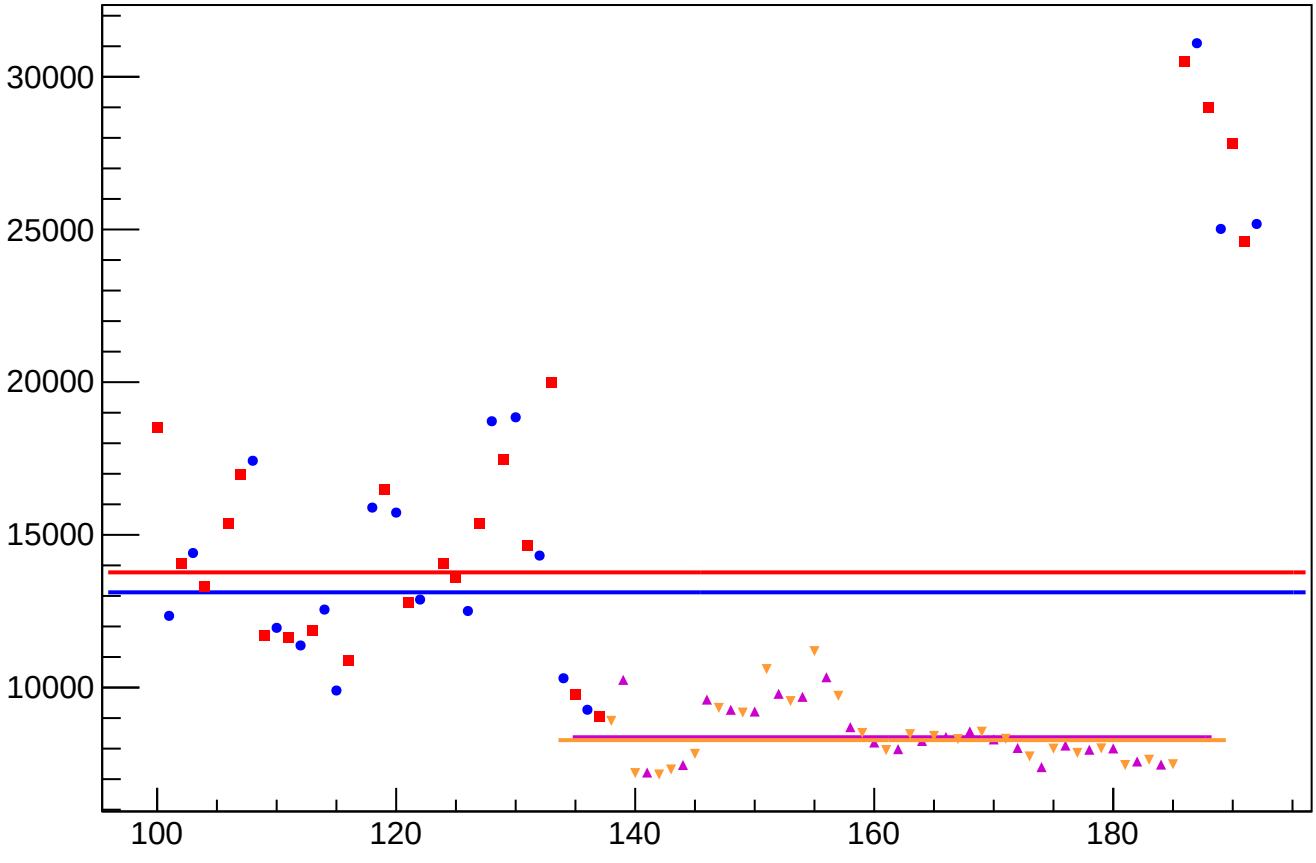
Right: 1.198+/-3.297 χ^2/NDF: 47.7/41

In: -0.399+/-1.811 χ^2/NDF:54.8/41

Out: -5.892+/-1.759 χ^2/NDF:93.3/47

All: -3.226+/-1.262 χ^2/NDF: 152.8/89

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: 13771.473+/-3.329 χ^2/NDF: 1652563.6/22

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

Left: 8323.298+/-0.966 χ^2/NDF: 850375.1/47

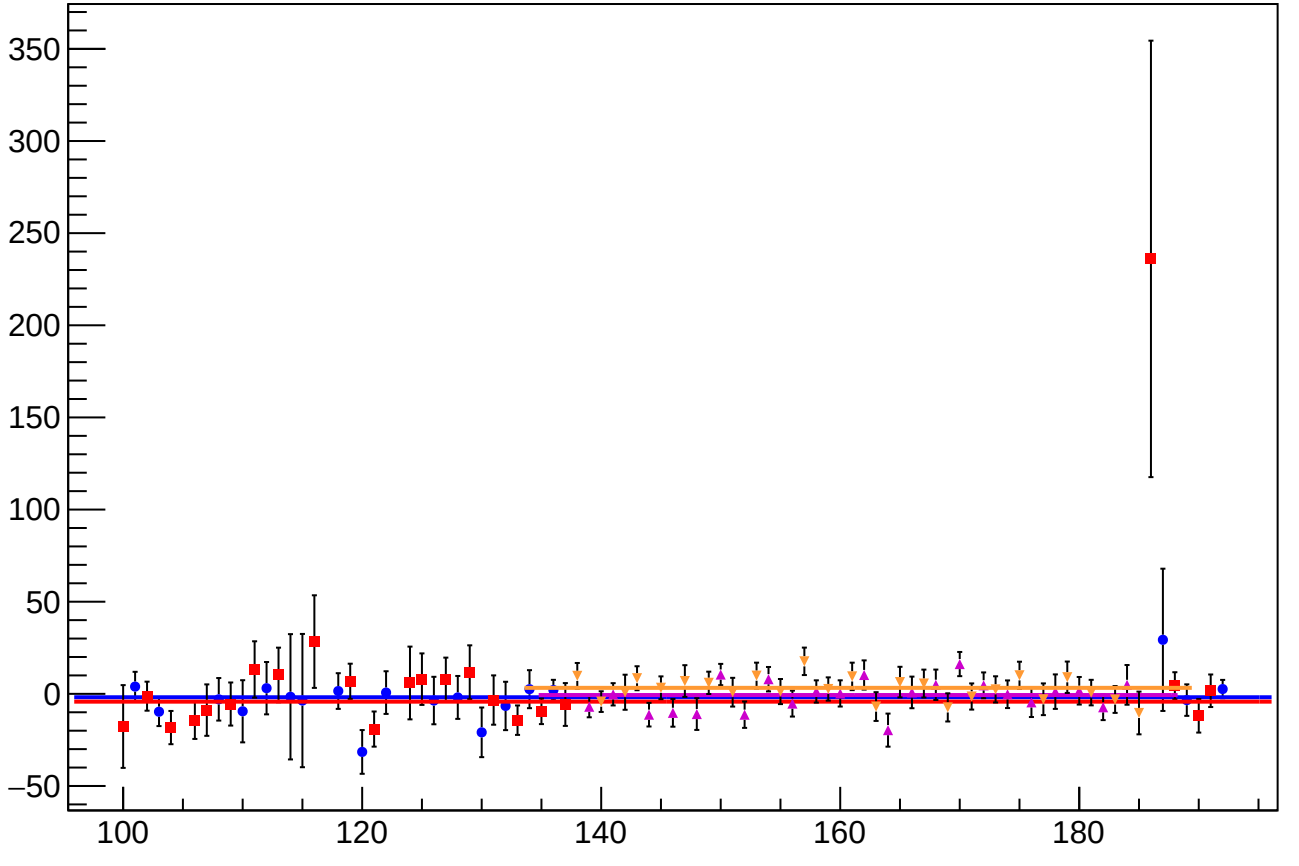
Right: 13438.429+/-2.331 χ^2/NDF: 3200898.2/41

In: 9102.519+/-1.281 χ^2/NDF:3709285.7/41

Out: 9044.876+/-1.244 χ^2/NDF:4450684.9/47

All: 9072.861+/-0.892 χ^2/NDF: 8161013.0/89

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: -4.235+/-2.254 χ^2/NDF: 23.7/22

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

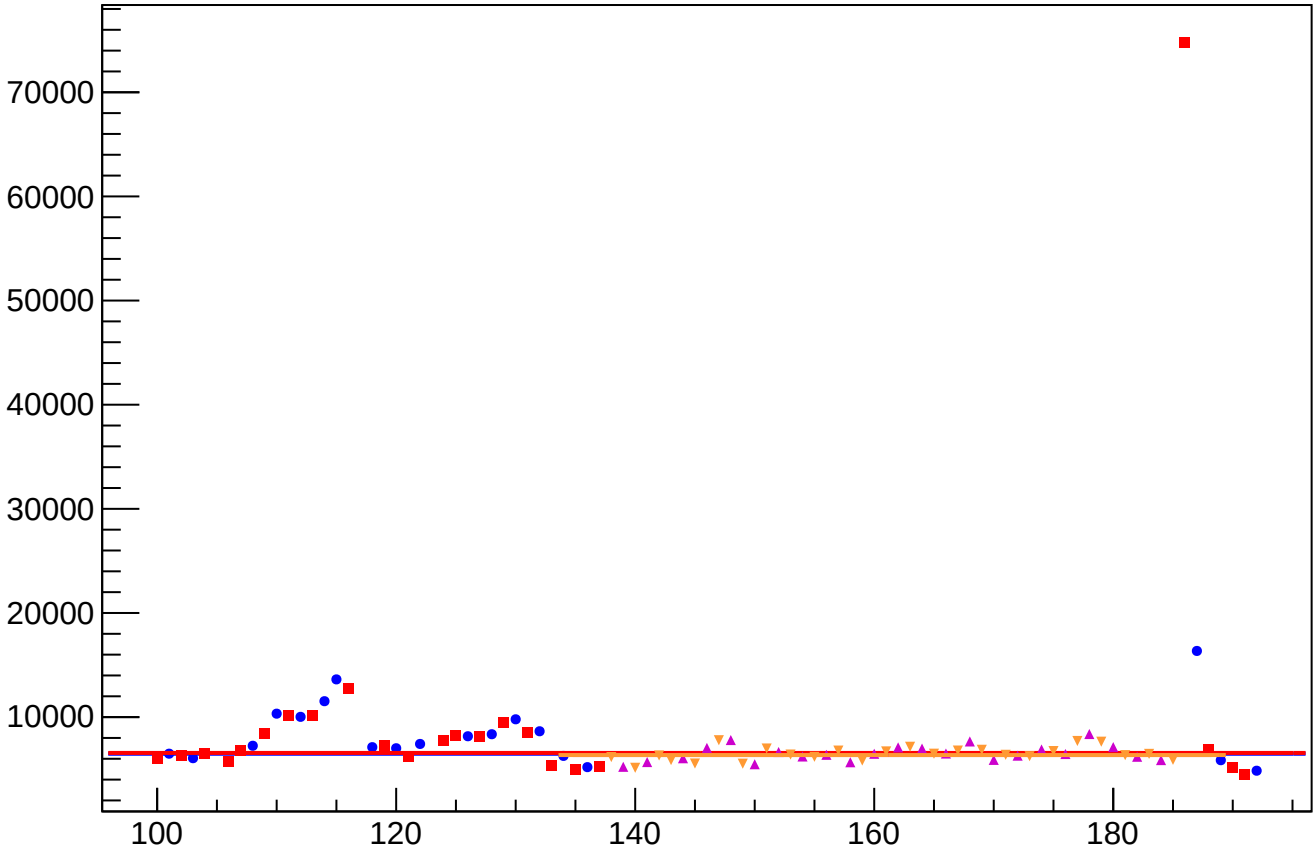
Right: -3.045+/-1.594 χ^2/NDF: 36.9/41

In: -1.016+/-1.249 χ^2/NDF:43.6/41

Out: 1.047+/-1.224 χ^2/NDF:49.1/47

All: 0.037+/-0.874 χ^2/NDF: 94.1/89

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: 6561.444+/-1.594 χ^2/NDF: 1637772.8/22

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

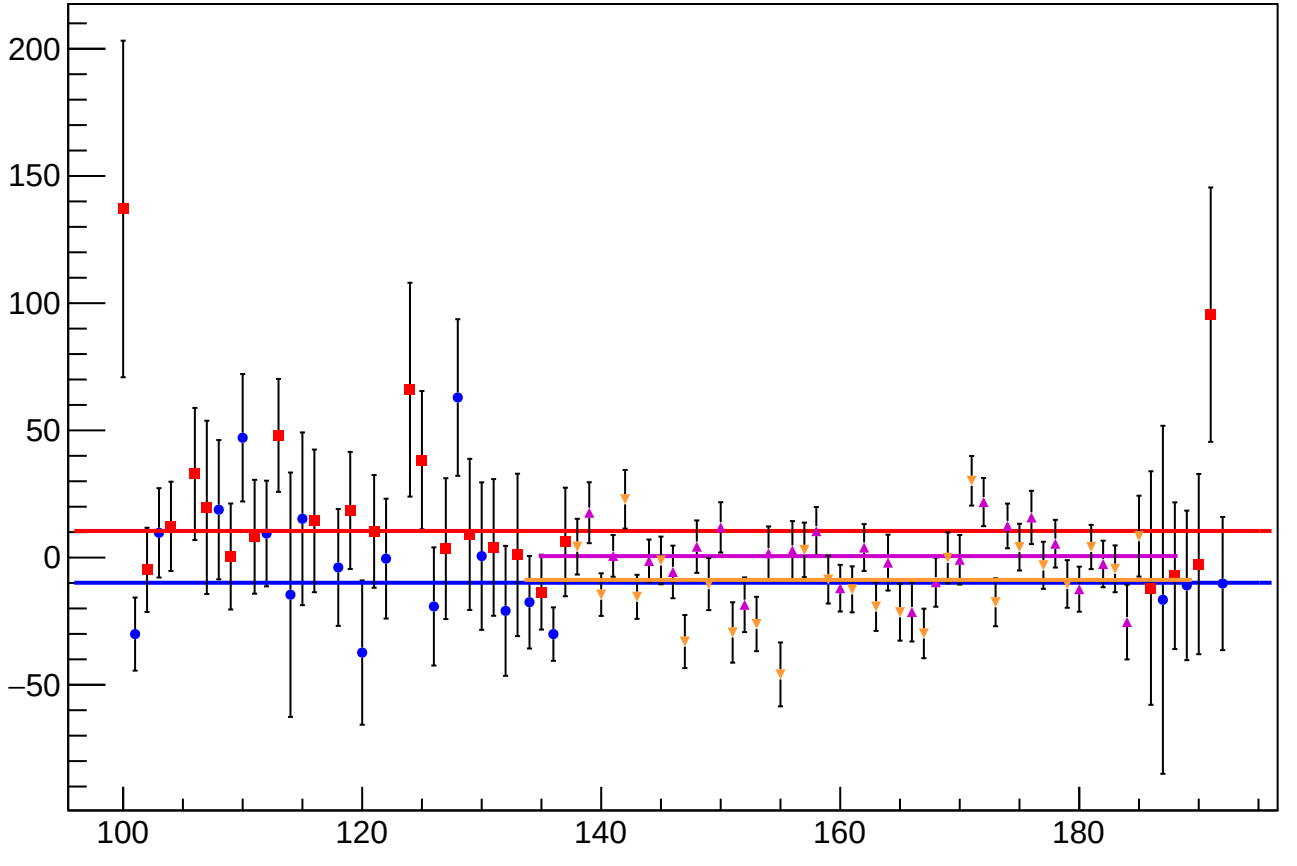
Right: 6522.580+/-1.127 χ^2/NDF: 2756297.9/41

In: 6397.837+/-0.883 χ^2/NDF:1595387.7/41

Out: 6417.687+/-0.865 χ^2/NDF:2063427.2/47

All: 6407.961+/-0.618 χ^2/NDF: 3659072.7/89

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: 10.466+/-5.170 χ^2/NDF: 17.9/22

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

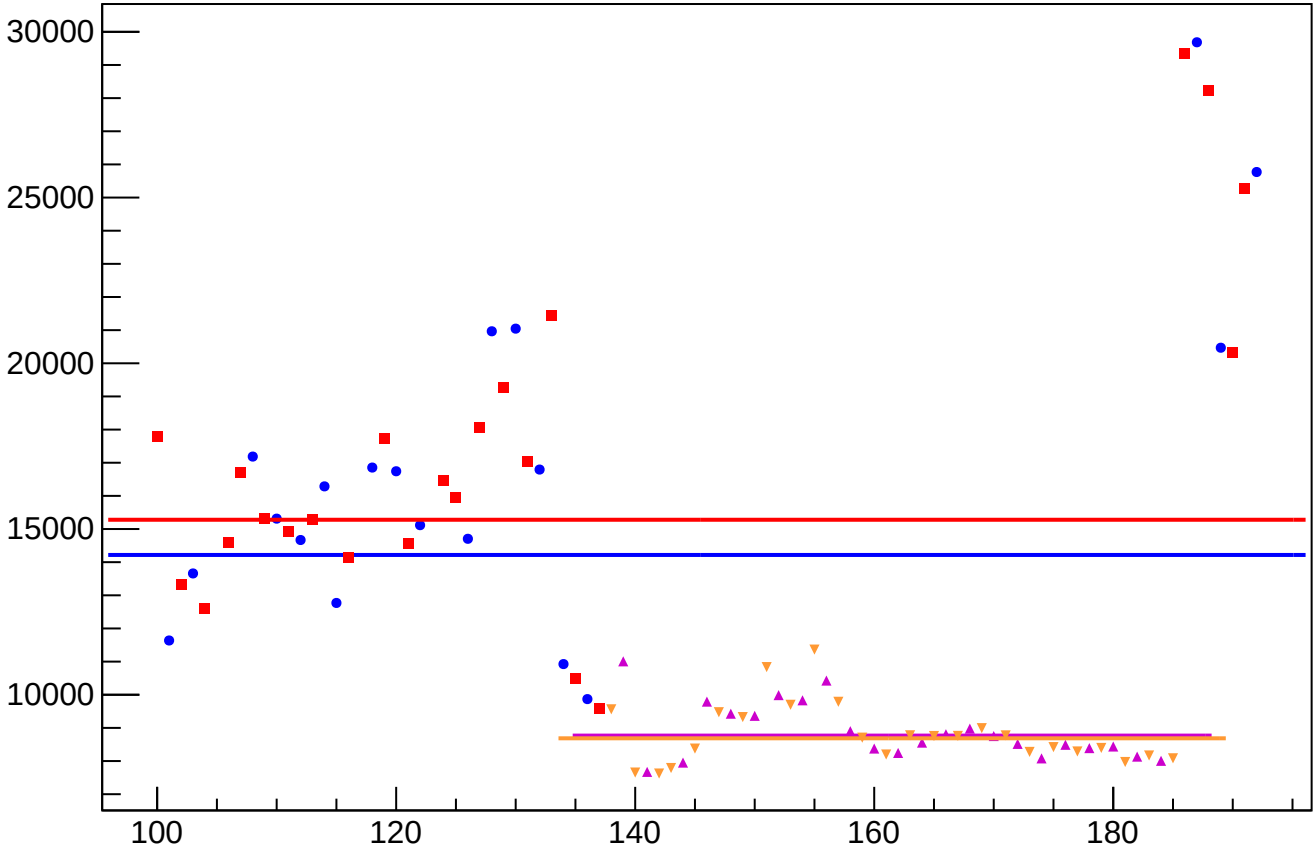
Right: -0.069+/-3.591 χ^2/NDF: 48.0/41

In: -0.944+/-1.904 χ^2/NDF:55.4/41

Out: -6.291+/-1.855 χ^2/NDF:92.7/47

All: -3.687+/-1.328 χ^2/NDF: 152.2/89

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: 15279.709+/-3.656 χ^2/NDF: 1318320.2/22

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

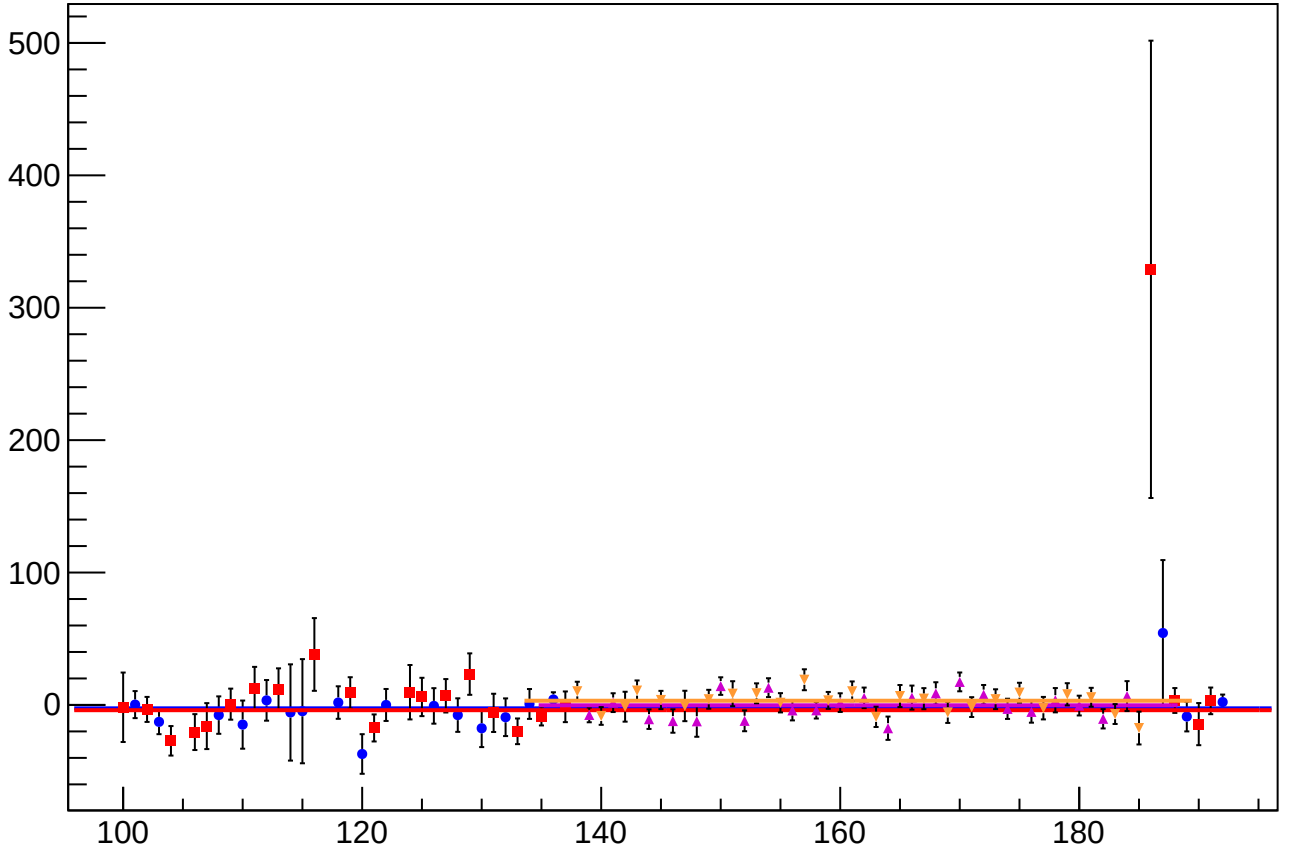
Right: 14730.172+/-2.539 χ^2/NDF: 2728446.0/41

In: 9560.143+/-1.346 χ^2/NDF:3699216.8/41

Out: 9534.714+/-1.311 χ^2/NDF:4493678.3/47

All: 9547.098+/-0.939 χ^2/NDF: 8193078.2/89

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: -3.968+/-2.601 χ^2/NDF: 26.8/22

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

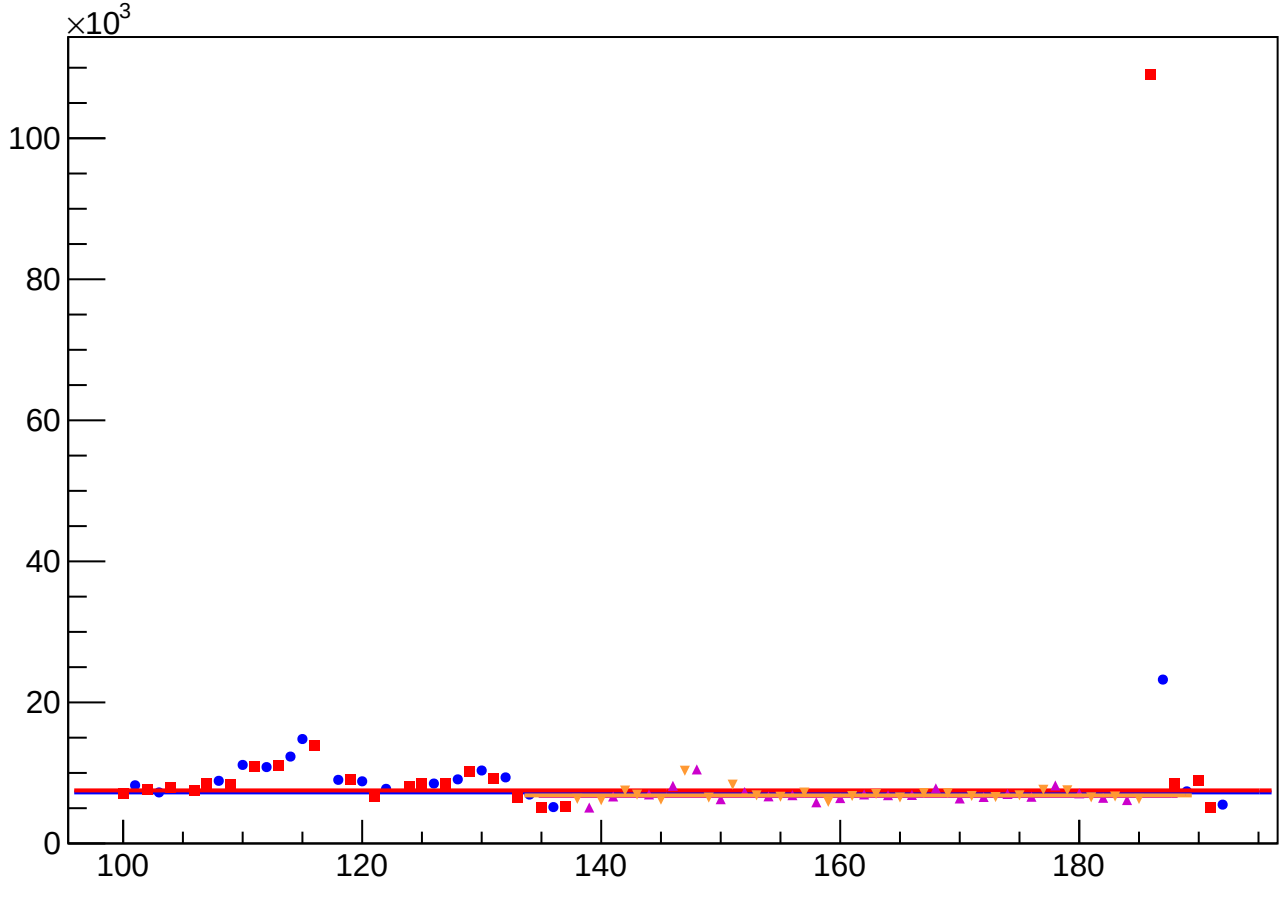
Right: -3.253+/-1.816 χ^2/NDF: 39.6/41

In: -0.919+/-1.347 χ^2/NDF:47.5/41

Out: 1.279+/-1.339 χ^2/NDF:54.0/47

All: 0.187+/-0.950 χ^2/NDF: 102.8/89

diff_bpm4acY_rms vs Slug, Sign Corrected



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: 7522.087+/-1.839 χ^2/NDF: 1653390.4/22

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

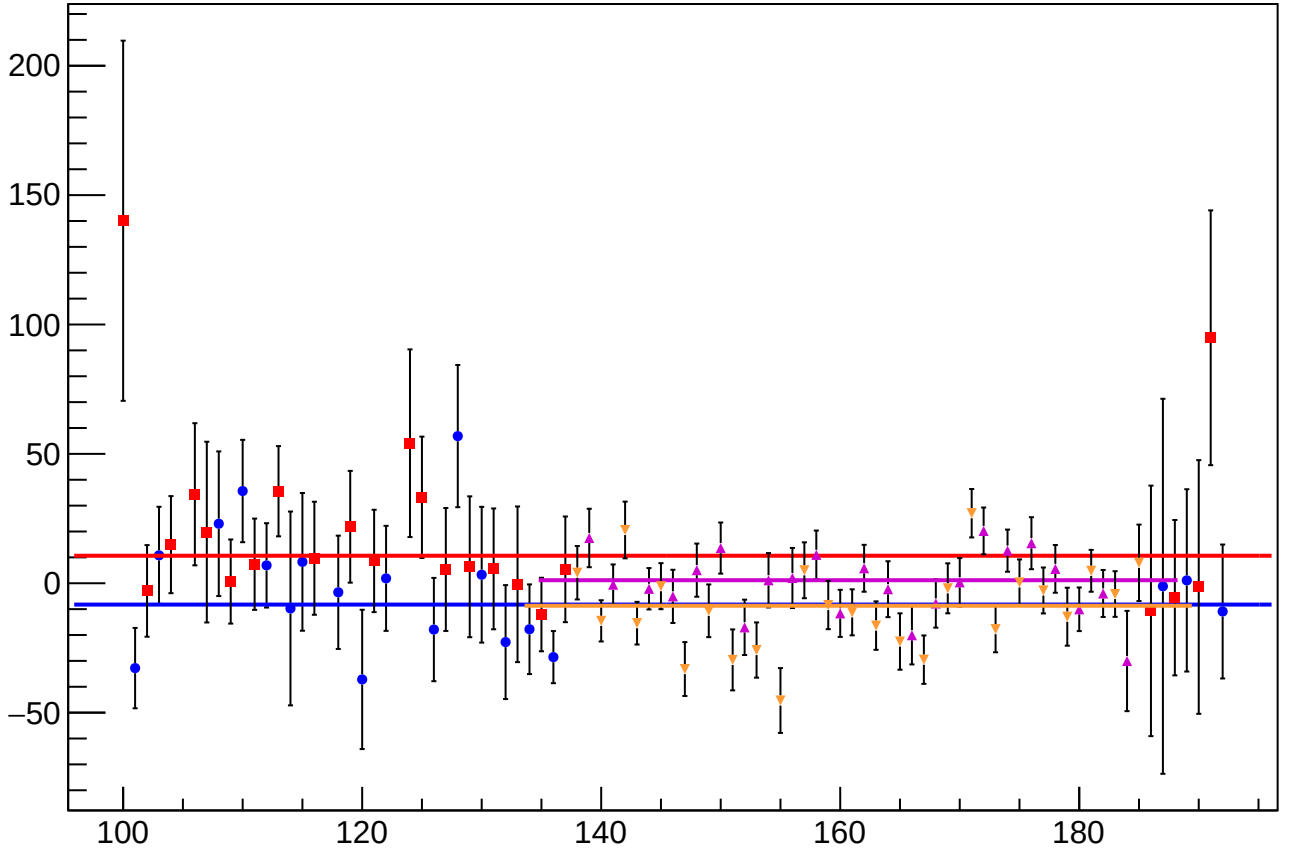
Right: 7377.772+/-1.284 χ^2/NDF: 2943156.3/41

In: 6872.440+/-0.953 χ^2/NDF:1946395.1/41

Out: 7000.931+/-0.947 χ^2/NDF:2157296.9/47

All: 6937.090+/-0.672 χ^2/NDF: 4112843.3/89

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: 10.637+/-4.777 χ^2/NDF: 16.4/22

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

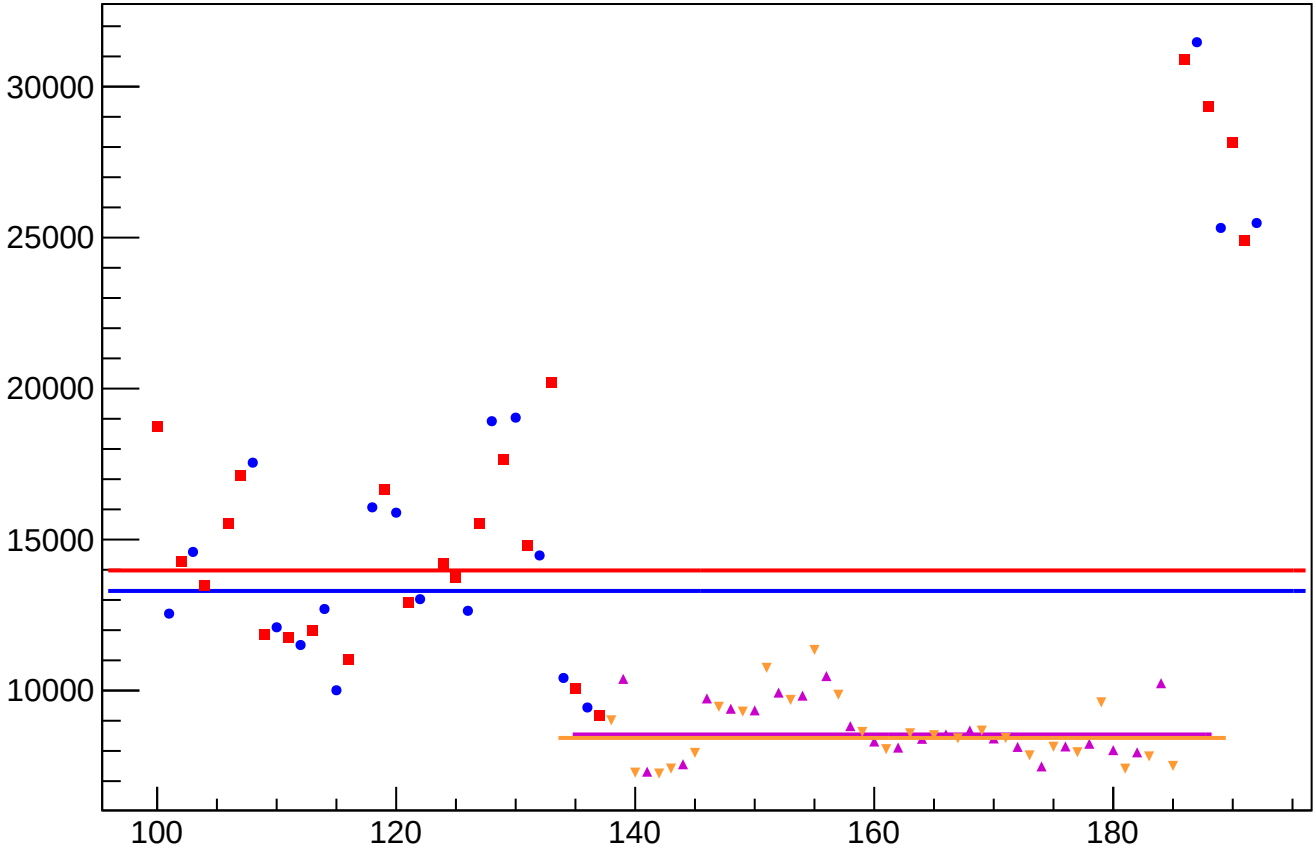
Right: 1.008+/-3.343 χ^2/NDF: 47.7/41

In: -0.294+/-1.849 χ^2/NDF:55.3/41

Out: -5.965+/-1.794 χ^2/NDF:91.9/47

All: -3.214+/-1.288 χ^2/NDF: 152.0/89

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: 13977.452+/-3.378 χ^2/NDF: 1626800.4/22

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

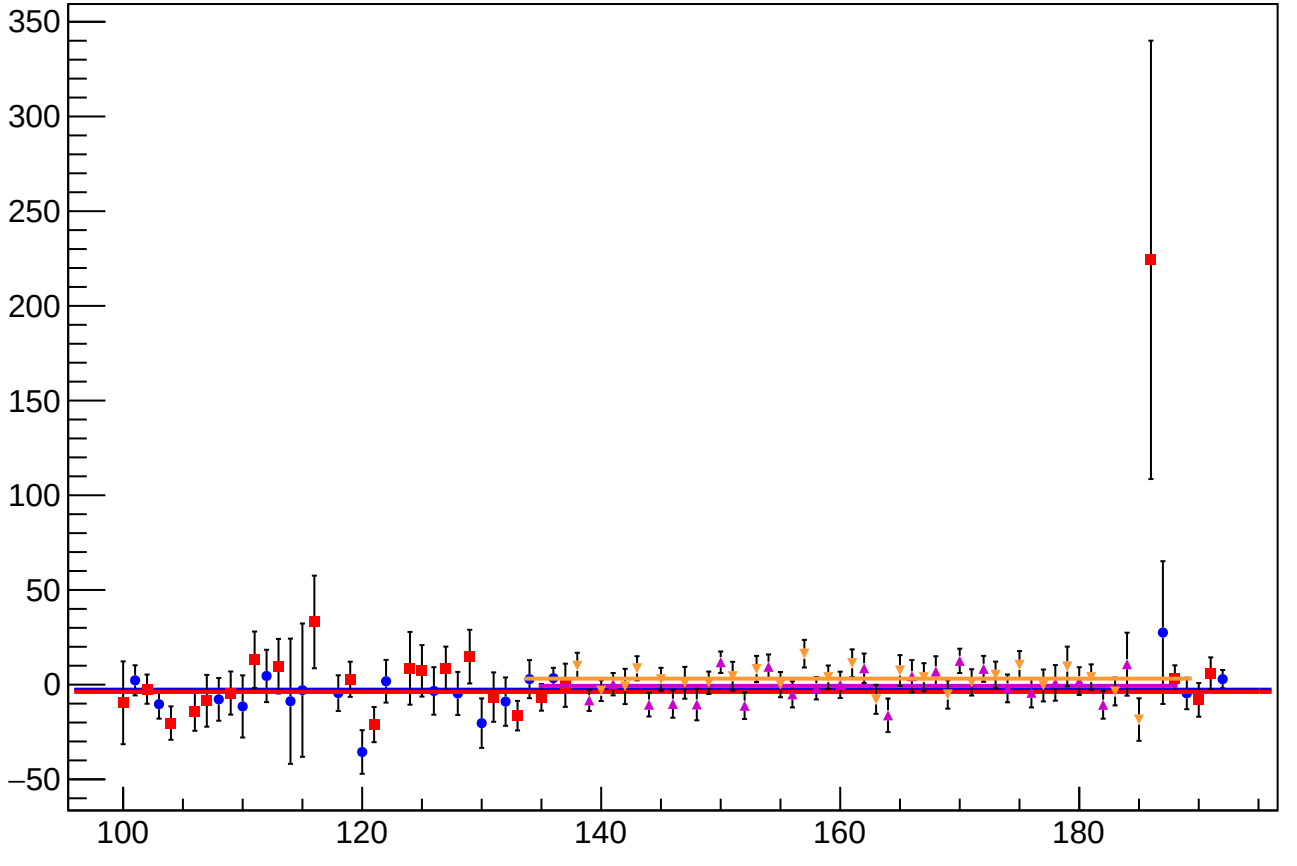
Right: 13631.228+/-2.364 χ^2/NDF: 3159907.0/41

In: 9287.072+/-1.307 χ^2/NDF:3643004.7/41

Out: 9213.429+/-1.269 χ^2/NDF:4427839.6/47

All: 9249.151+/-0.910 χ^2/NDF: 8072478.4/89

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: -3.847+/-2.205 χ^2/NDF: 26.4/22

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

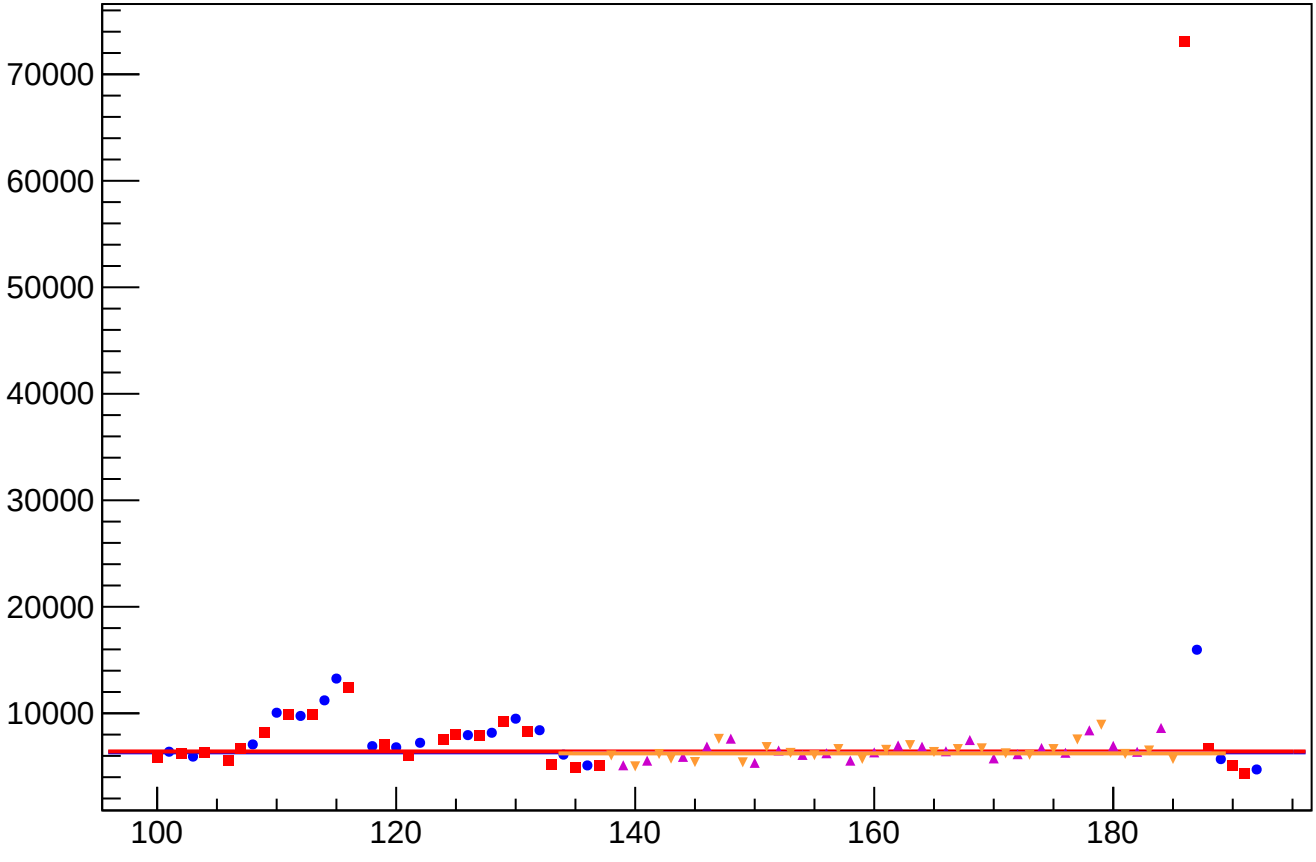
Right: -3.248+/-1.559 χ^2/NDF: 42.8/41

In: -1.260+/-1.230 χ^2/NDF:48.6/41

Out: 1.094+/-1.203 χ^2/NDF:52.2/47

All: -0.057+/-0.860 χ^2/NDF: 102.7/89

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: 6417.147+/-1.559 χ^2/NDF: 1611625.8/22

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

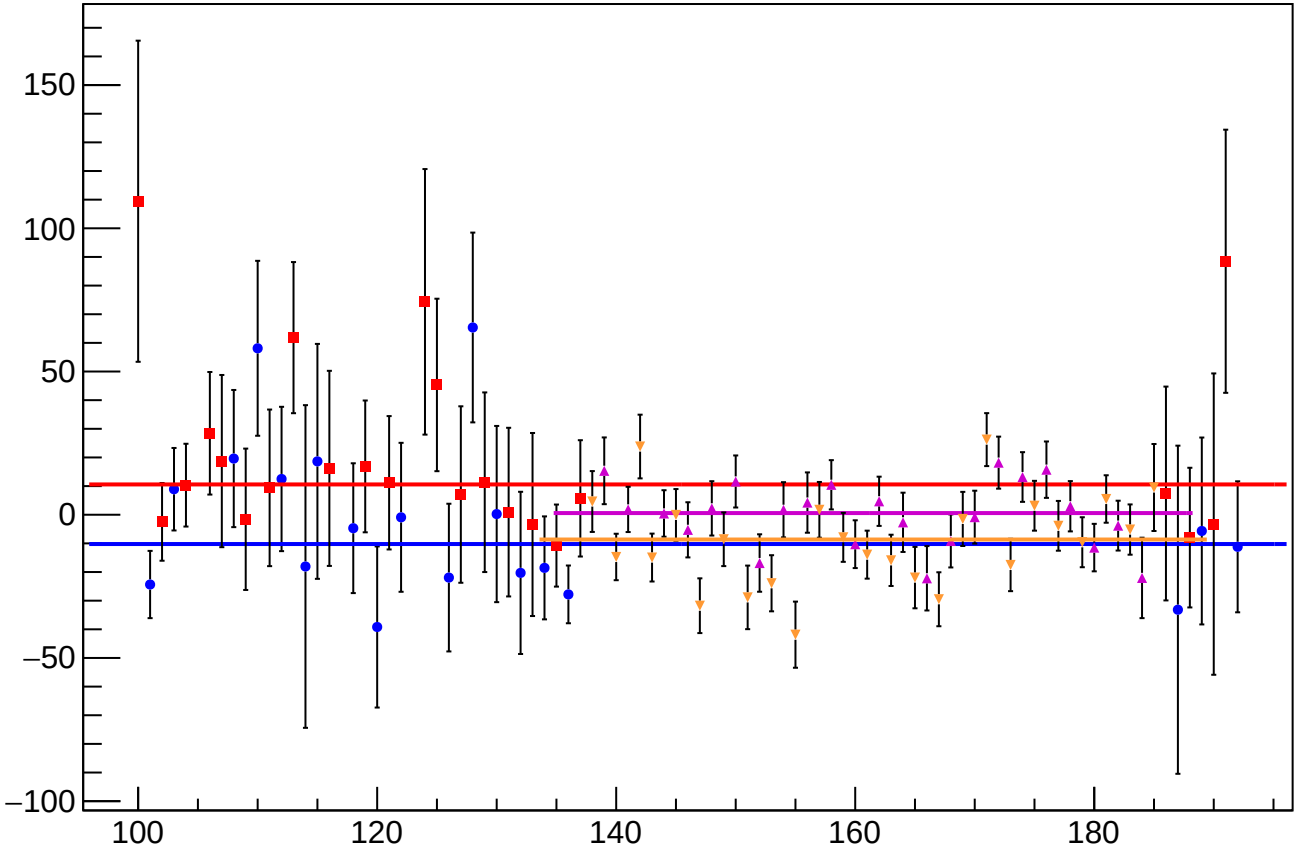
Right: 6375.410+/-1.102 χ^2/NDF: 2718493.4/41

In: 6288.628+/-0.870 χ^2/NDF:1630976.1/41

Out: 6291.230+/-0.850 χ^2/NDF:2128632.6/47

All: 6289.958+/-0.608 χ^2/NDF: 3759613.4/89

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.228+/-4.829 χ^2/NDF: 21.4/18

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 10.580+/-5.054 χ^2/NDF: 18.3/22

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

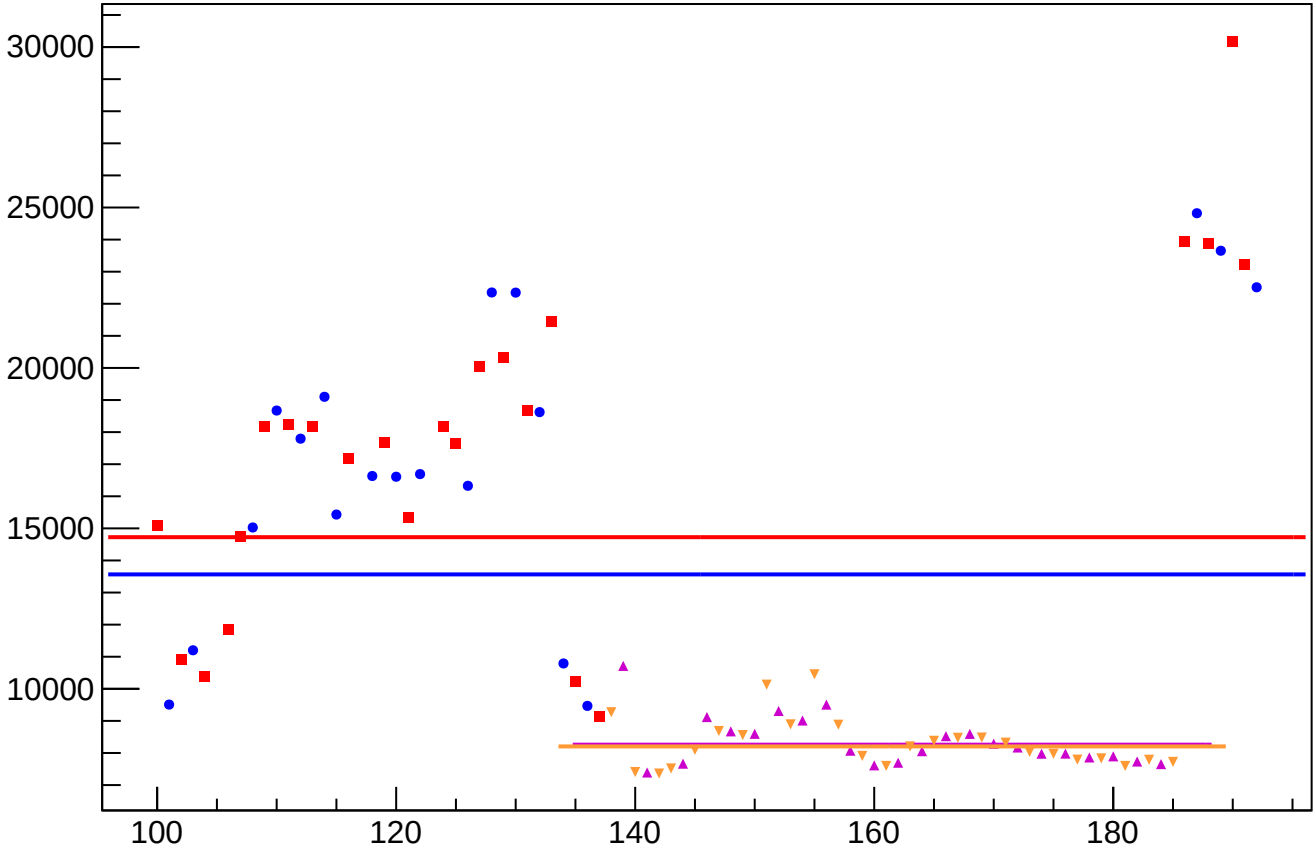
Right: -0.297+/-3.491 χ^2/NDF: 48.6/41

In: -0.918+/-1.799 χ^2/NDF:54.3/41

Out: -6.324+/-1.758 χ^2/NDF:94.0/47

All: -3.683+/-1.257 χ^2/NDF: 152.9/89

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: 14725.783+/-3.574 χ^2/NDF: 1796345.5/22

Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

Left: 8230.919+/-0.953 χ^2/NDF: 531113.9/47

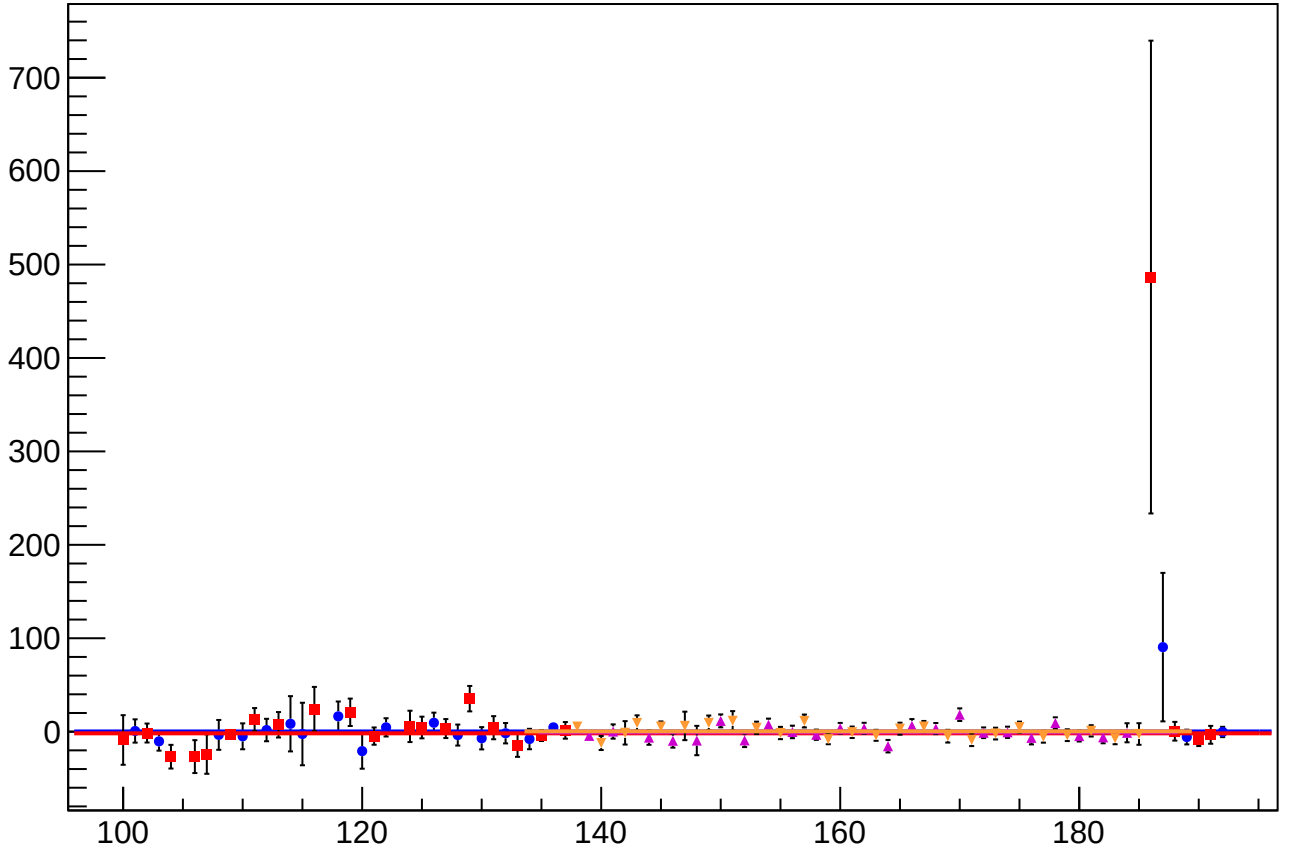
Right: 14119.325+/-2.469 χ^2/NDF: 3719704.4/41

In: 8995.804+/-1.272 χ^2/NDF:4205382.3/41

Out: 8993.552+/-1.243 χ^2/NDF:4996343.8/47

All: 8994.652+/-0.889 χ^2/NDF: 9201727.6/89

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: -1.781+/-2.084 χ^2/NDF: 27.3/22

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

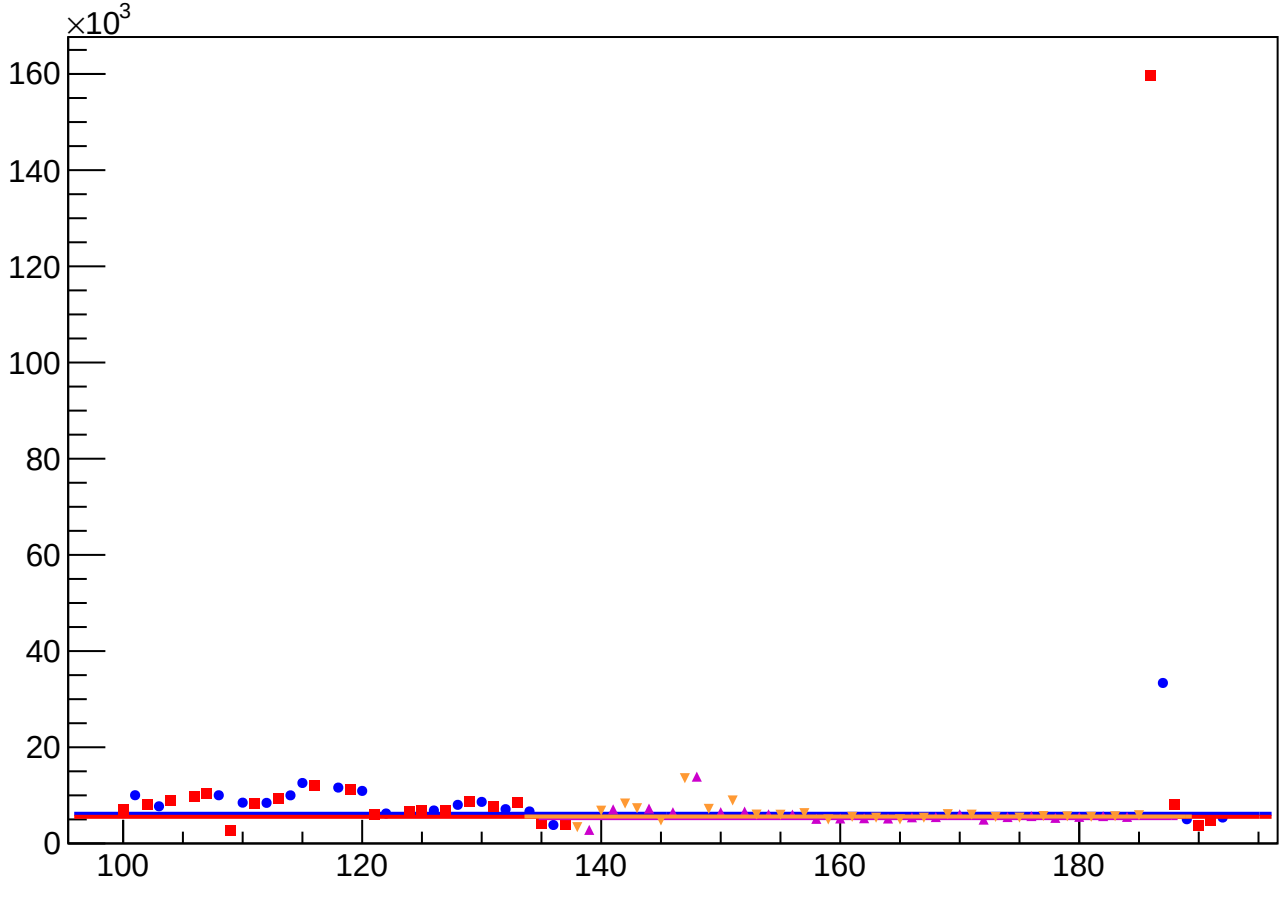
Right: -0.846+/-1.523 χ^2/NDF: 36.5/41

In: -0.475+/-1.117 χ^2/NDF:38.8/41

Out: -0.259+/-1.116 χ^2/NDF:49.6/47

All: -0.367+/-0.790 χ^2/NDF: 88.4/89

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: 5538.782+/-1.473 χ^2/NDF: 3611029.8/22

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

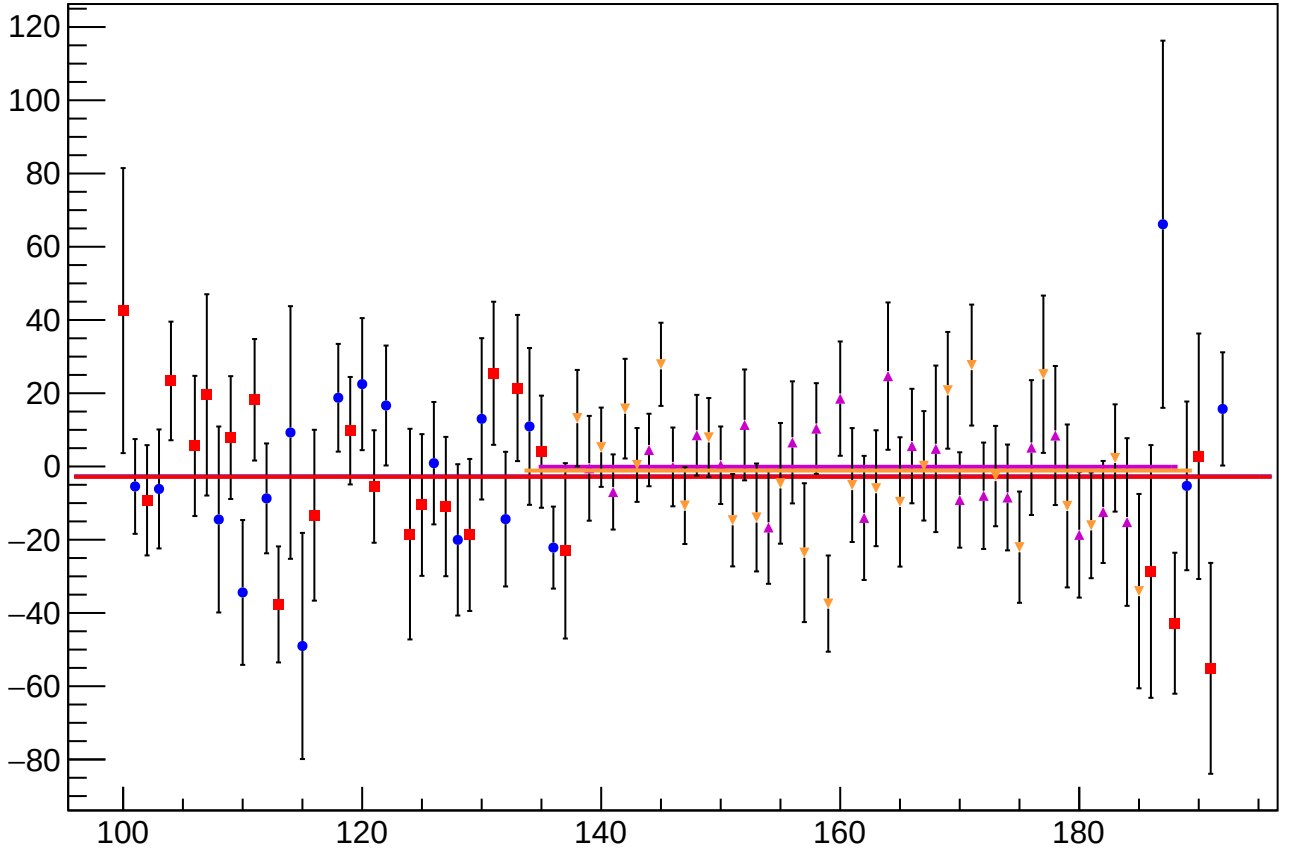
Right: 5834.134+/-1.077 χ^2/NDF: 5785098.2/41

In: 5491.095+/-0.790 χ^2/NDF:4762677.4/41

Out: 5578.519+/-0.789 χ^2/NDF:5396308.8/47

All: 5534.862+/-0.558 χ^2/NDF: 10165114.3/8

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: -2.817+/-4.063 χ^2/NDF: 26.7/22

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

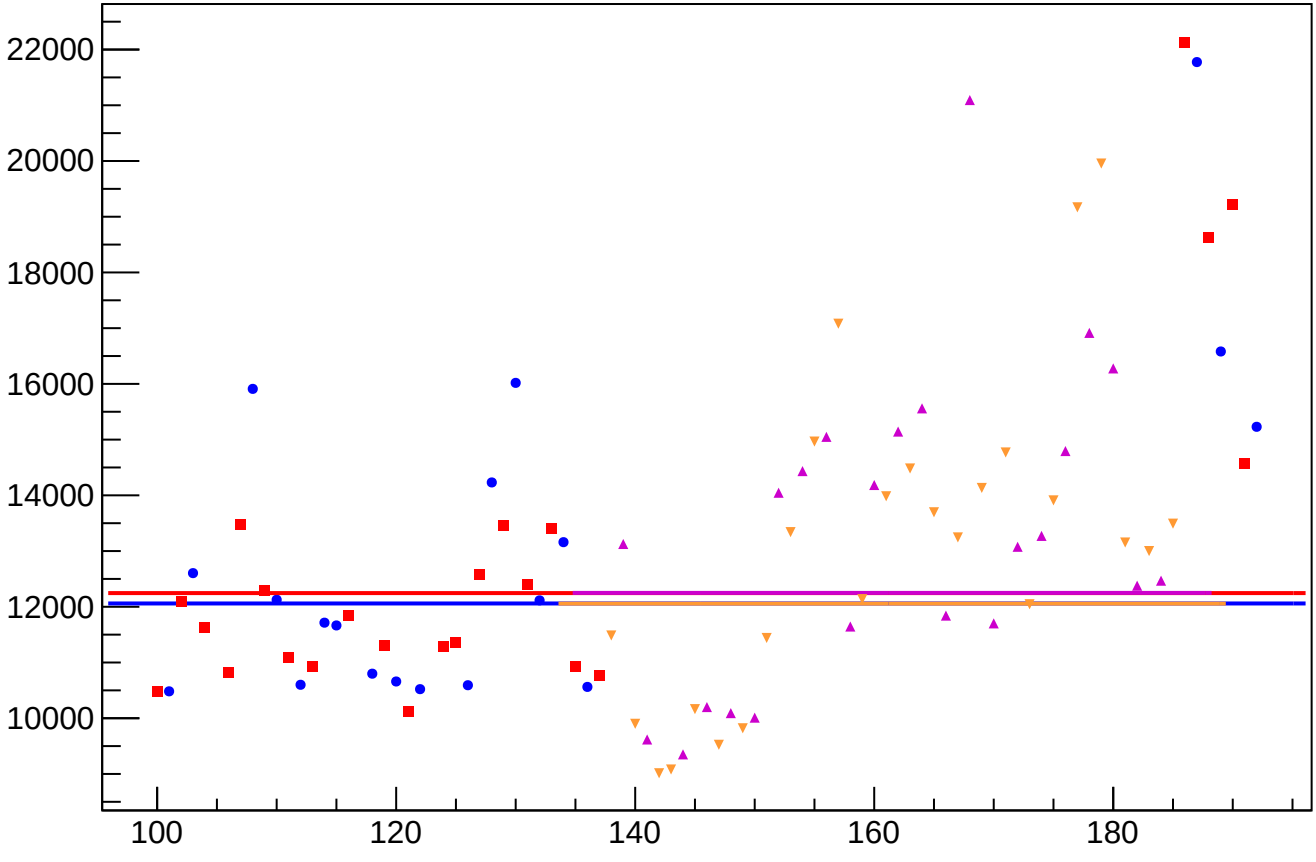
Right: -2.765+/-2.890 χ^2/NDF: 46.0/41

In: -0.969+/-2.384 χ^2/NDF:31.0/41

Out: -1.664+/-2.313 χ^2/NDF:60.6/47

All: -1.327+/-1.660 χ^2/NDF: 91.7/89

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: 12245.756+/-2.873 χ^2/NDF: 620684.8/22

Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

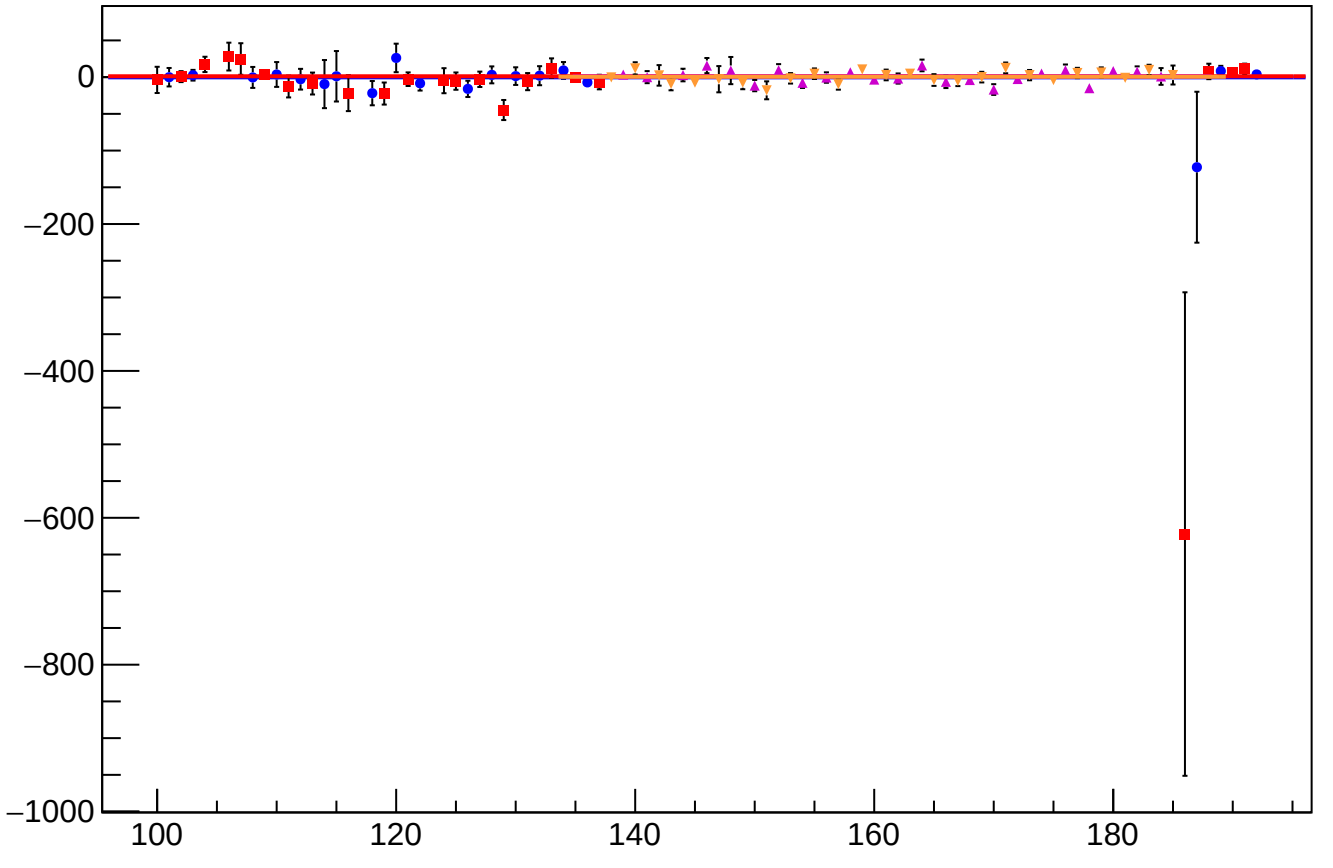
Left: 12149.117+/-1.434 χ^2/NDF: 2982262.4/47

Right: 12153.680+/-2.043 χ^2/NDF: 1144072.9/41

In: 12185.314+/-1.686 χ^2/NDF:1940166.2/41

Out: 12117.966+/-1.635 χ^2/NDF:2185350.2/47

All: 12150.623+/-1.174 χ^2/NDF: 4126338.6/8



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: 1.178+/-2.082 χ^2/NDF: 31.1/22

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

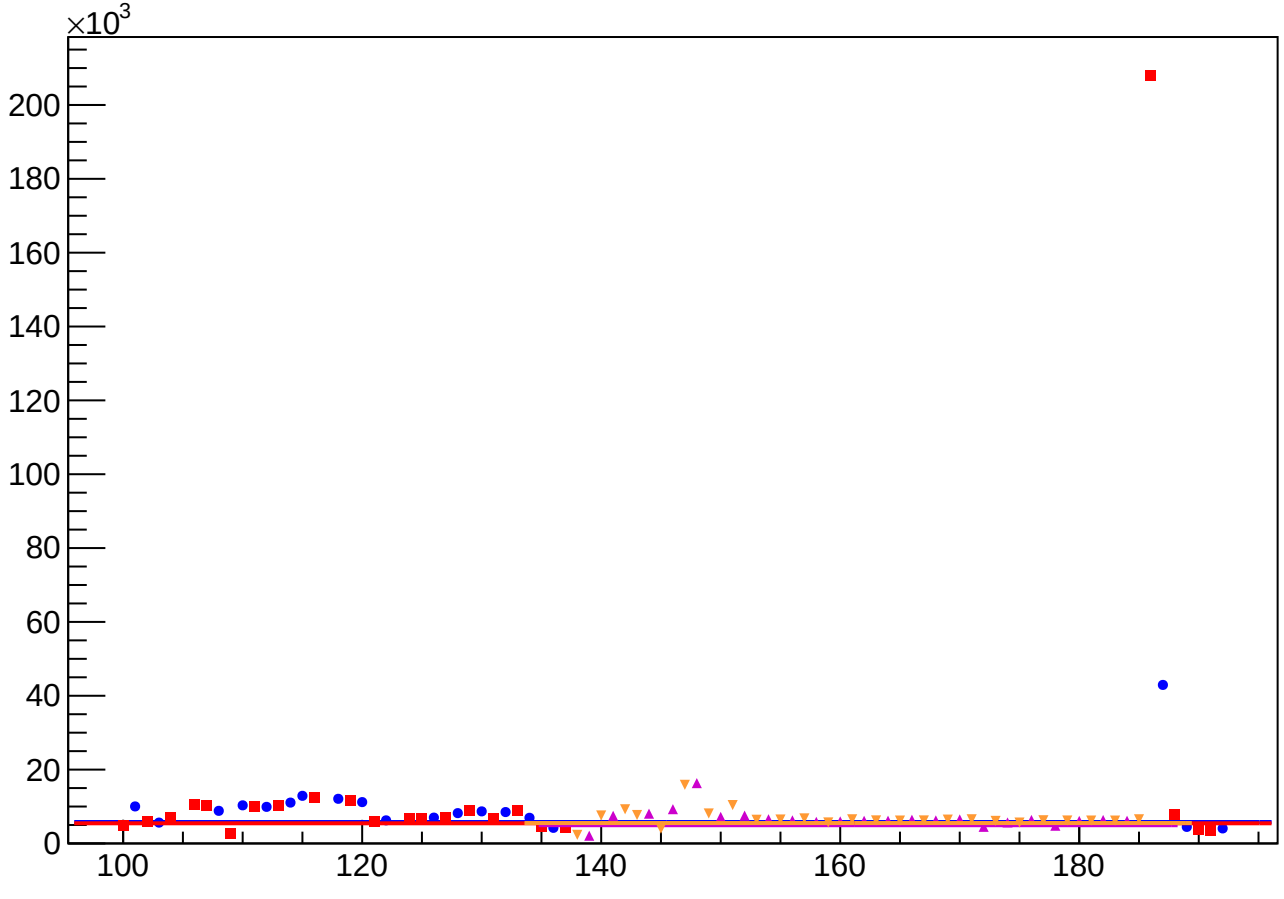
Right: 0.465+/-1.489 χ^2/NDF: 44.8/41

In: 0.615+/-1.106 χ^2/NDF:45.9/41

Out: 0.723+/-1.144 χ^2/NDF:52.6/47

All: 0.667+/-0.795 χ^2/NDF: 98.5/89

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: 5459.640+/-1.472 χ^2/NDF: 3421994.1/22

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

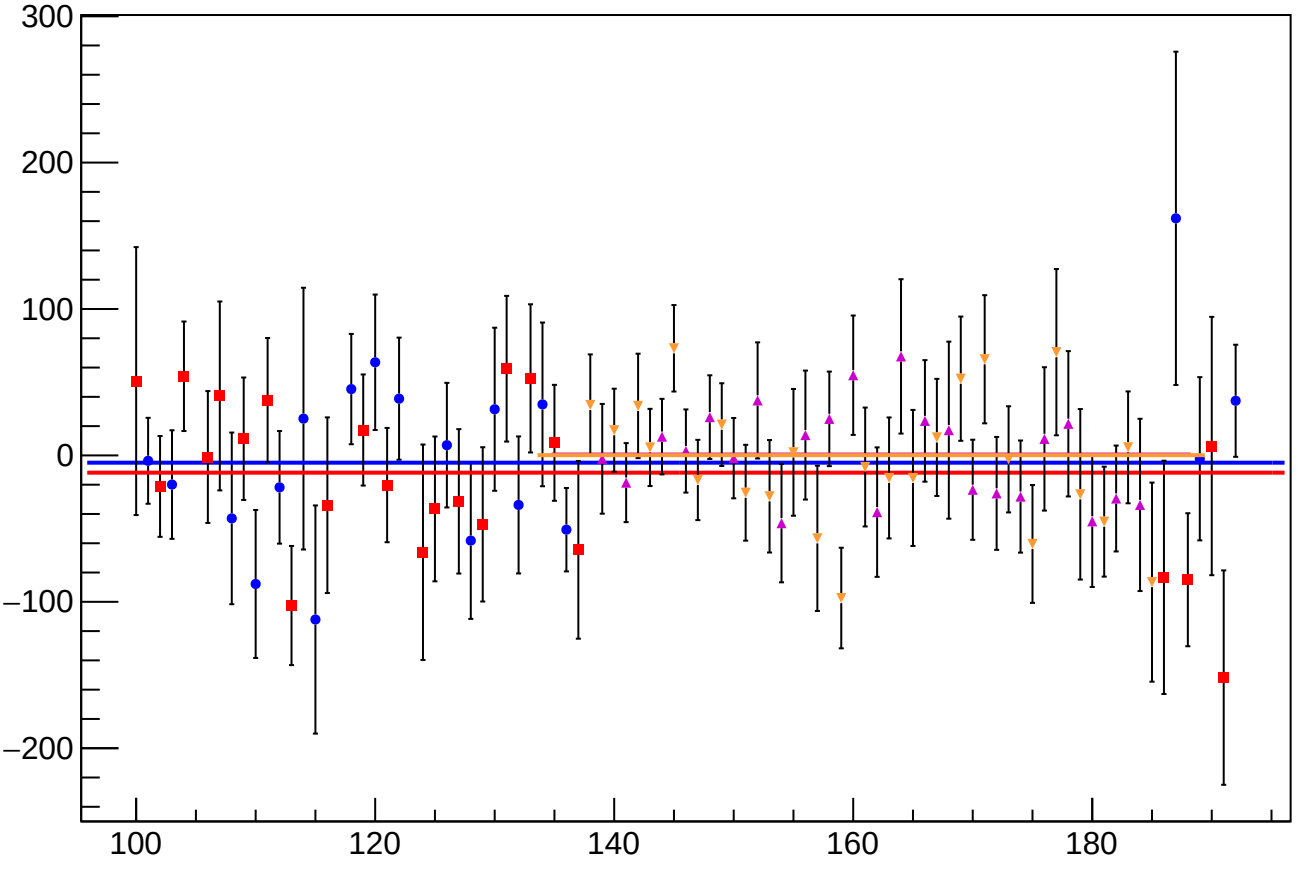
Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

Right: 5628.569+/-1.053 χ^2/NDF: 5918593.2/41

In: 5174.629+/-0.782 χ^2/NDF:8645613.4/41

Out: 5507.348+/-0.809 χ^2/NDF:7799220.6/47

All: 5335.469+/-0.562 χ^2/NDF: 16532275.8/8



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: -11.786+/-10.103 χ^2/NDF: 24.9/22

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

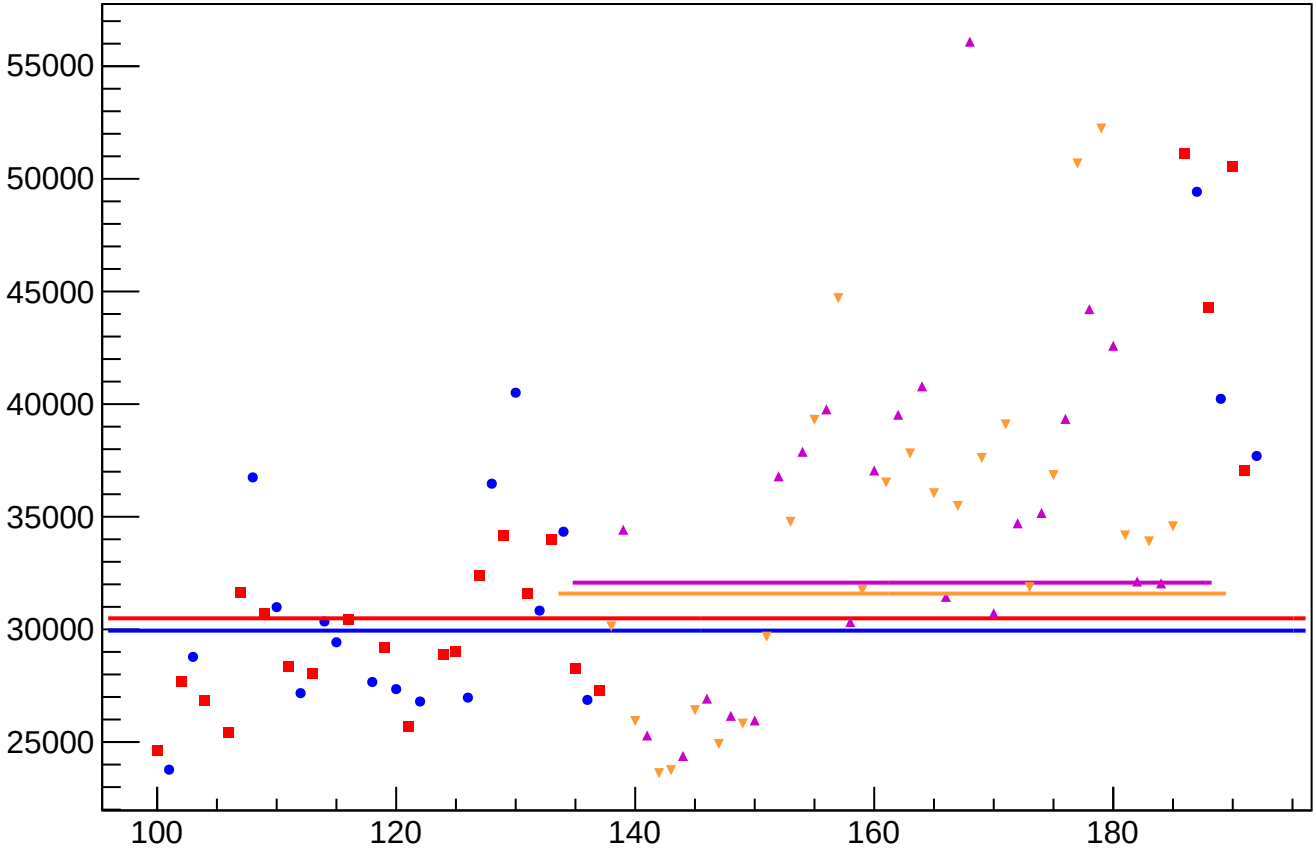
Right: -8.411+/-7.181 χ^2/NDF: 44.1/41

In: -1.417+/-6.130 χ^2/NDF:31.9/41

Out: -3.987+/-5.957 χ^2/NDF:57.0/47

All: -2.739+/-4.272 χ^2/NDF: 88.9/89

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: 30490.984+/-7.144 χ^2/NDF: 586741.9/22

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

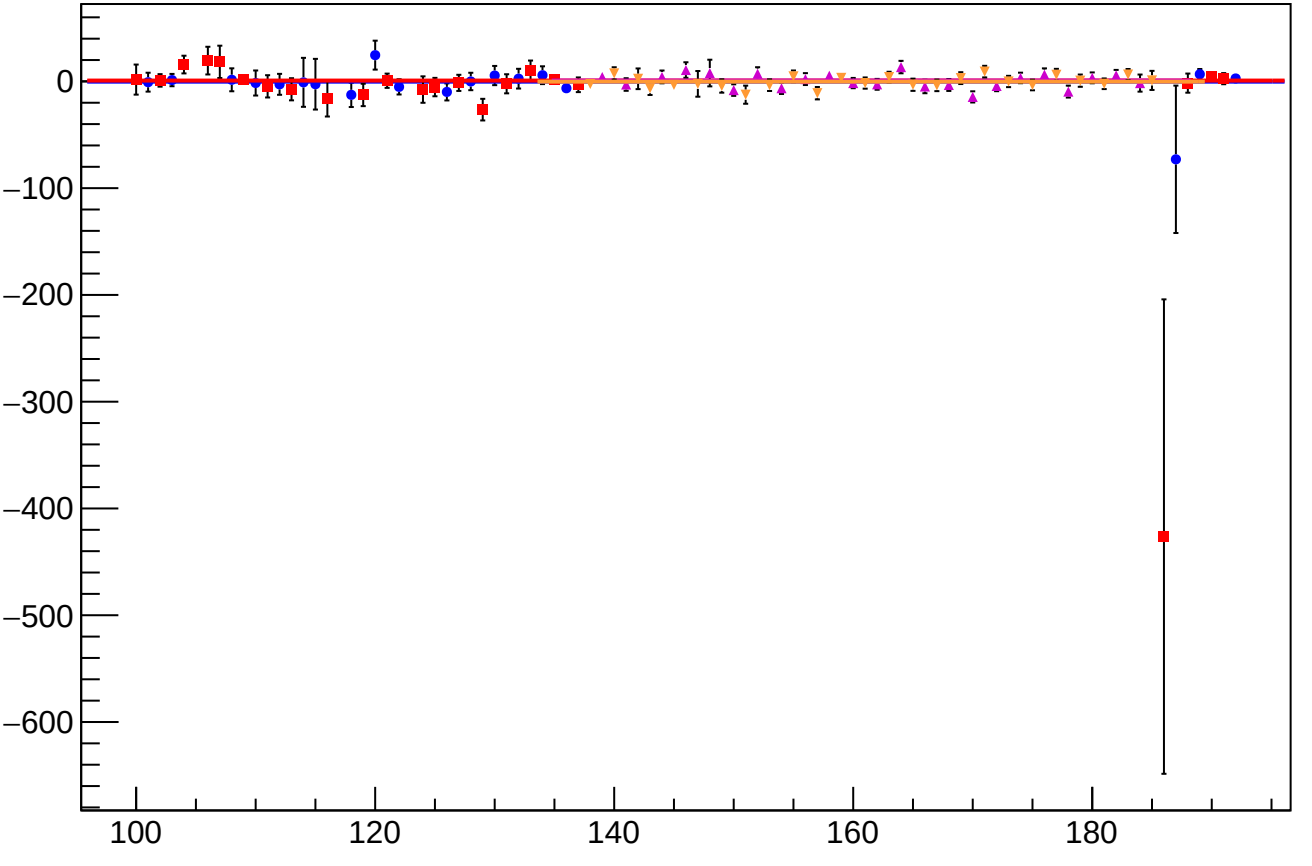
Right: 30221.121+/-5.078 χ^2/NDF: 1099995.5/41

In: 31307.046+/-4.335 χ^2/NDF:2021729.9/41

Out: 31207.876+/-4.212 χ^2/NDF:2193044.2/47

All: 31256.037+/-3.021 χ^2/NDF: 4215043.3/8

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: 0.763+/-1.572 χ^2/NDF: 24.7/22

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

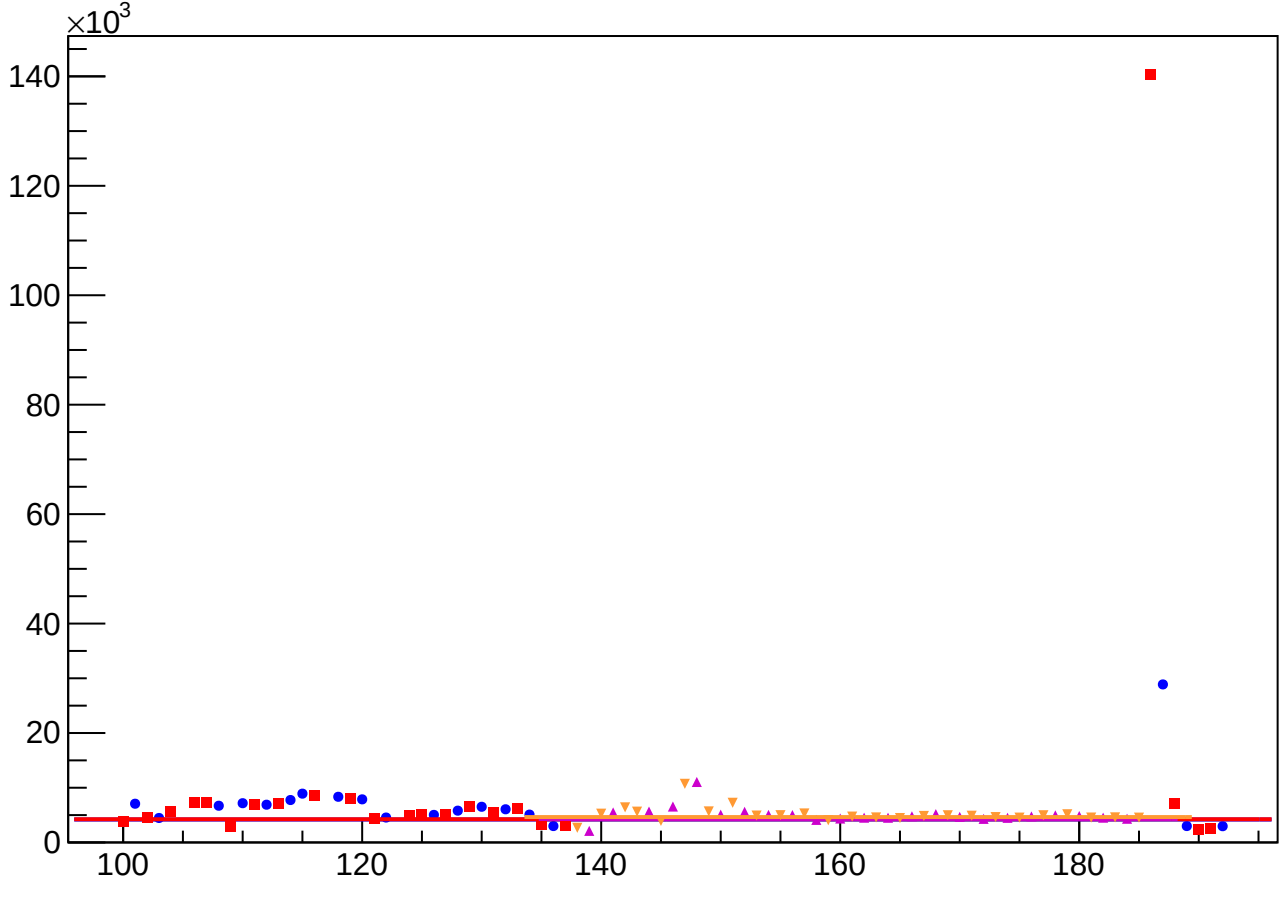
Right: 0.247+/-1.099 χ^2/NDF: 40.5/41

In: 0.454+/-0.873 χ^2/NDF:49.6/41

Out: 0.097+/-0.898 χ^2/NDF:44.9/47

All: 0.281+/-0.626 χ^2/NDF: 94.6/89

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: 4238.915+/-1.112 χ^2/NDF: 3058430.4/22

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

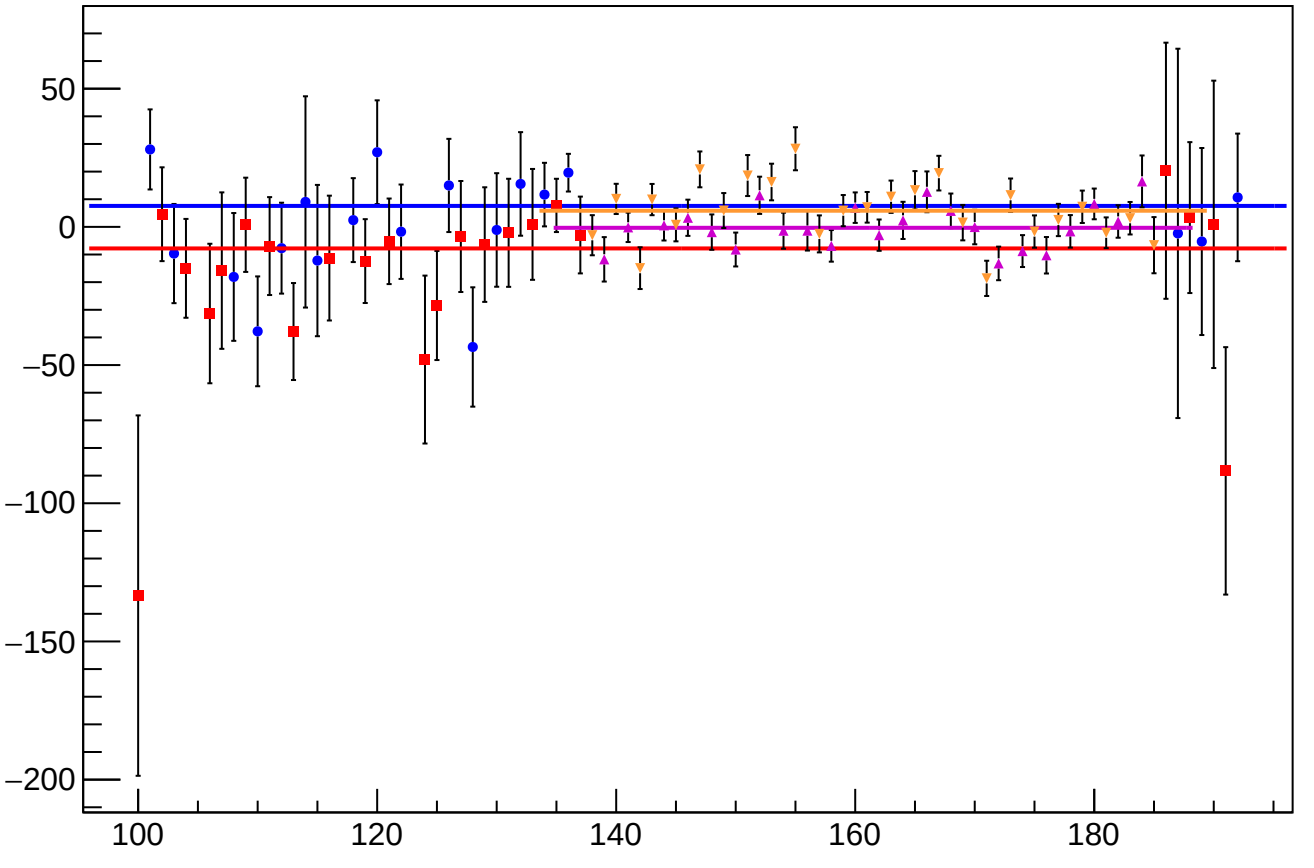
Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

Right: 4211.985+/-0.777 χ^2/NDF: 5535244.9/41

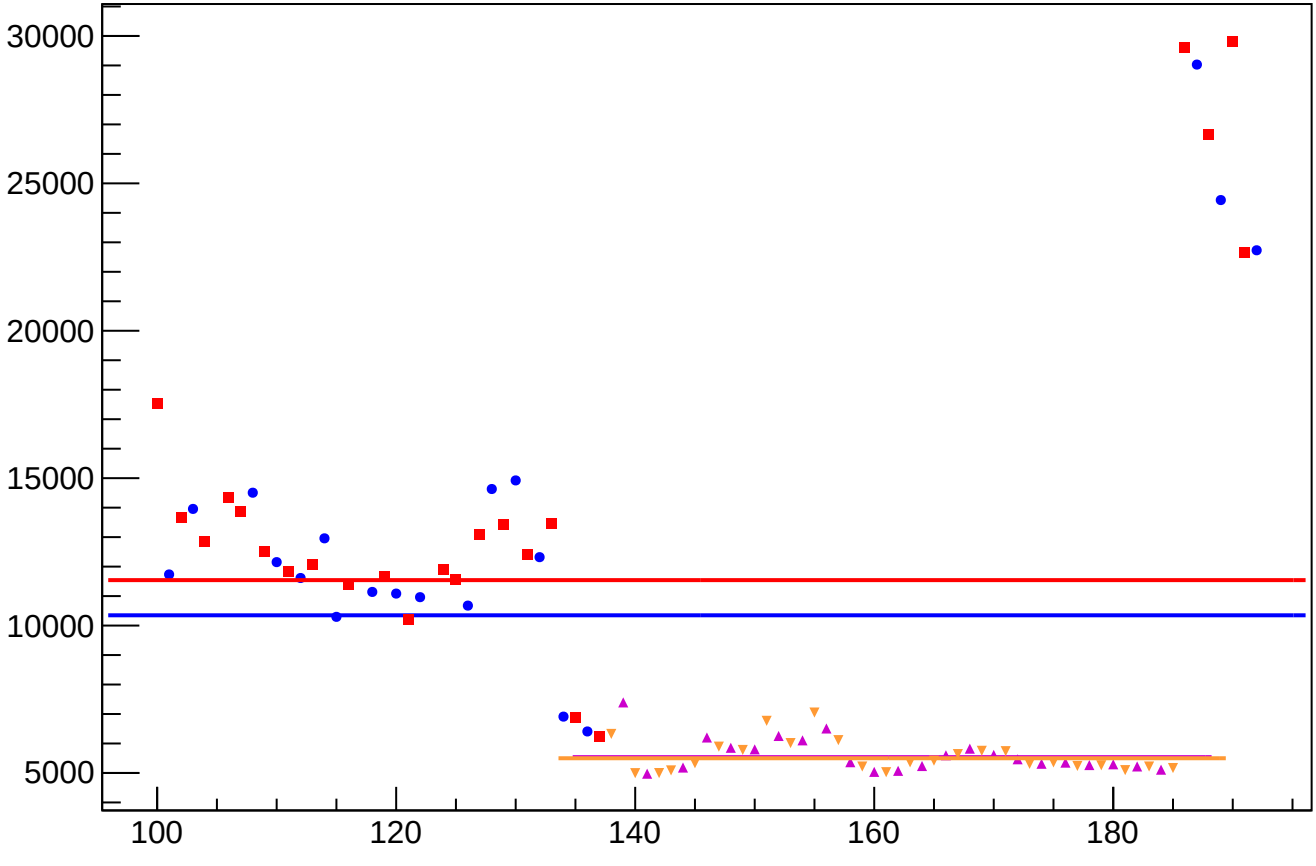
In: 4259.948+/-0.617 χ^2/NDF:5578071.7/41

Out: 4507.407+/-0.635 χ^2/NDF:4908105.9/47

All: 4380.160+/-0.443 χ^2/NDF: 10564283.7/8


diff_bpm16X_mean vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
Right In: 7.586+/-3.740 χ²/NDF: 21.8/18
Left Out: 5.849+/-1.257 χ²/NDF:60.0/24
Right Out: -7.799+/-4.010 χ²/NDF: 18.4/22
Left In: -0.337+/-1.301 χ²/NDF:29.4/22
Left: 2.861+/-0.904 χ²/NDF: 101.1/47
Right: 0.430+/-2.735 χ²/NDF: 48.1/41
In: 0.518+/-1.229 χ²/NDF:55.2/41
Out: 4.627+/-1.200 χ²/NDF:89.0/47
All: 2.621+/-0.858 χ²/NDF: 149.9/89

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: 11541.437+/-2.836 χ^2/NDF: 2216721.7/22

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

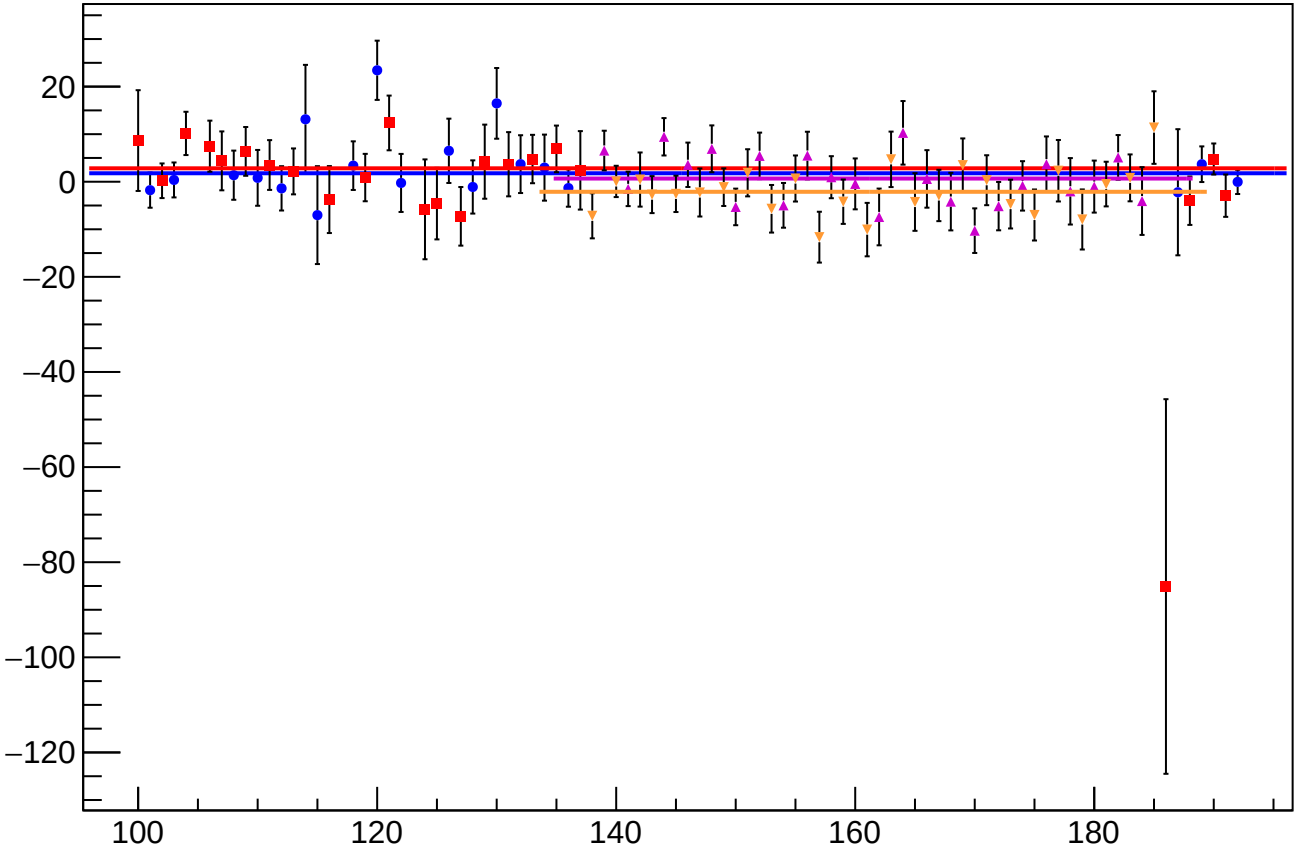
Right: 10903.278+/-1.934 χ^2/NDF: 4649433.7/41

In: 6057.020+/-0.869 χ^2/NDF:5594549.2/41

Out: 6040.116+/-0.848 χ^2/NDF:6648674.0/47

All: 6048.368+/-0.607 χ^2/NDF: 12243416.9/8

diff_bpm16Y_mean vs Slug, Sign Corrected



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: 2.821+/-1.138 χ^2/NDF: 22.6/22

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

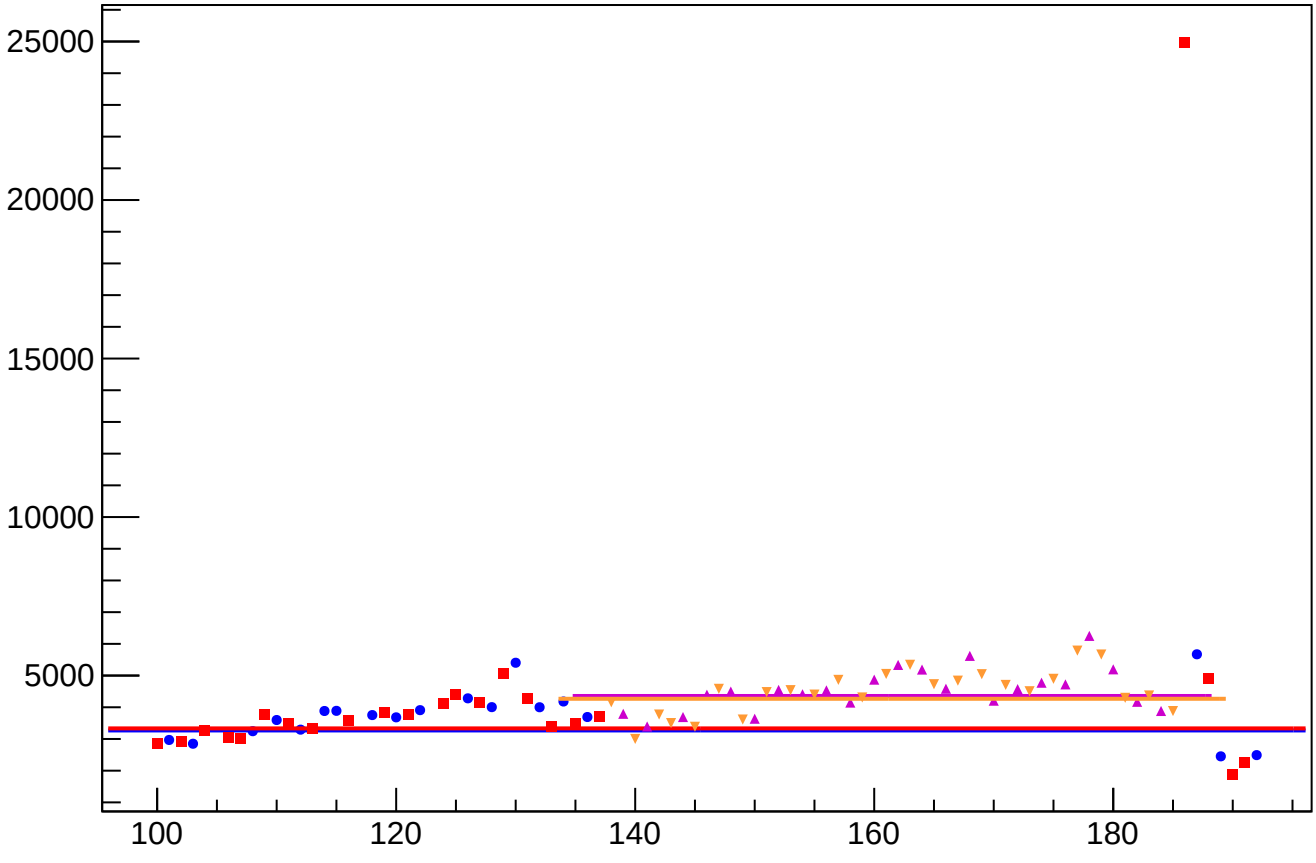
Right: 2.297+/-0.802 χ^2/NDF: 44.8/41

In: 1.175+/-0.762 χ^2/NDF:50.7/41

Out: 0.003+/-0.746 χ^2/NDF:50.8/47

All: 0.577+/-0.533 χ^2/NDF: 102.7/89

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3268.995+/-0.799 χ^2/NDF: 785555.8/18

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 3333.640+/-0.805 χ^2/NDF: 1642204.2/22

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

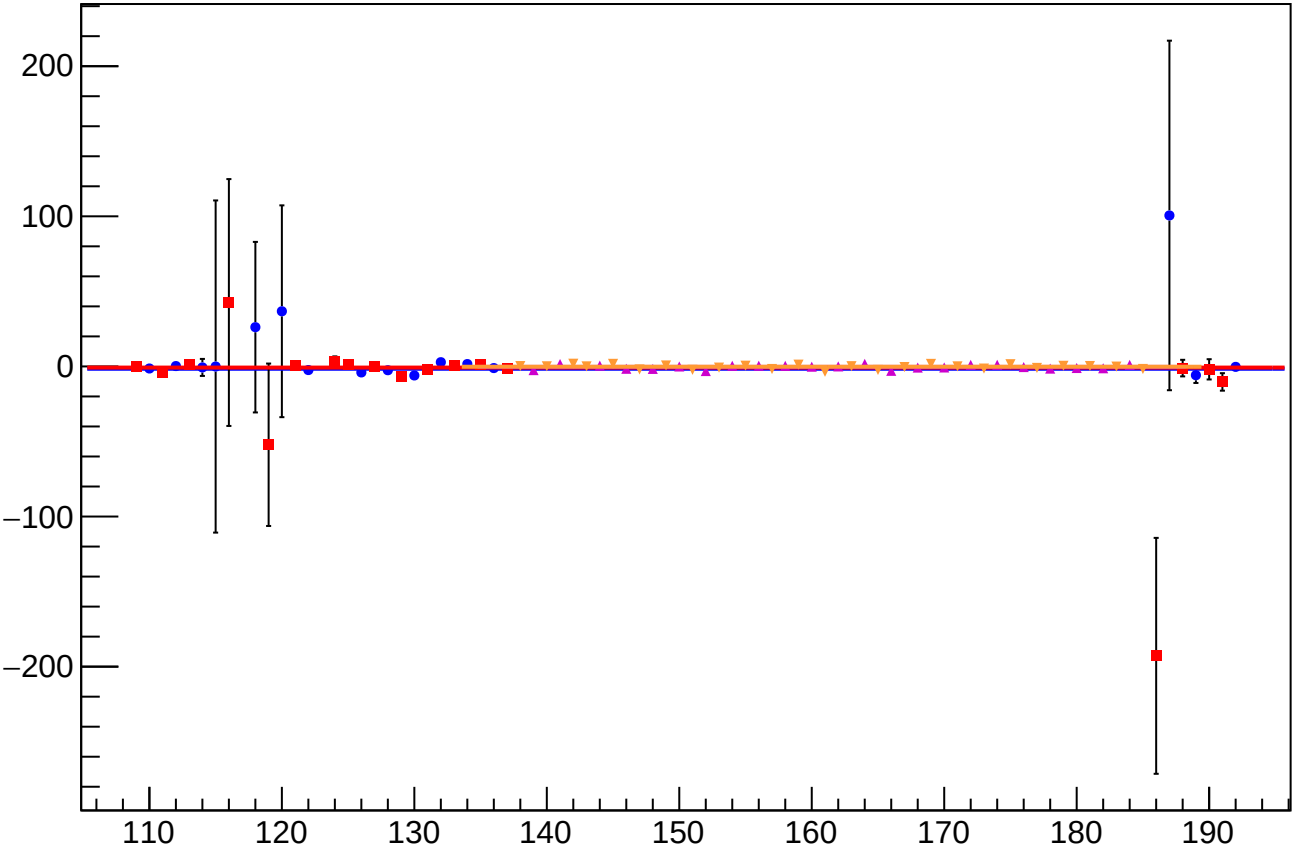
Right: 3301.076+/-0.567 χ^2/NDF: 2431008.6/41

In: 3862.140+/-0.538 χ^2/NDF:2538488.9/41

Out: 3866.696+/-0.527 χ^2/NDF:3445281.5/47

All: 3864.466+/-0.377 χ^2/NDF: 5983806.9/89

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: -0.768+/-0.702 χ^2/NDF: 21.4/17

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

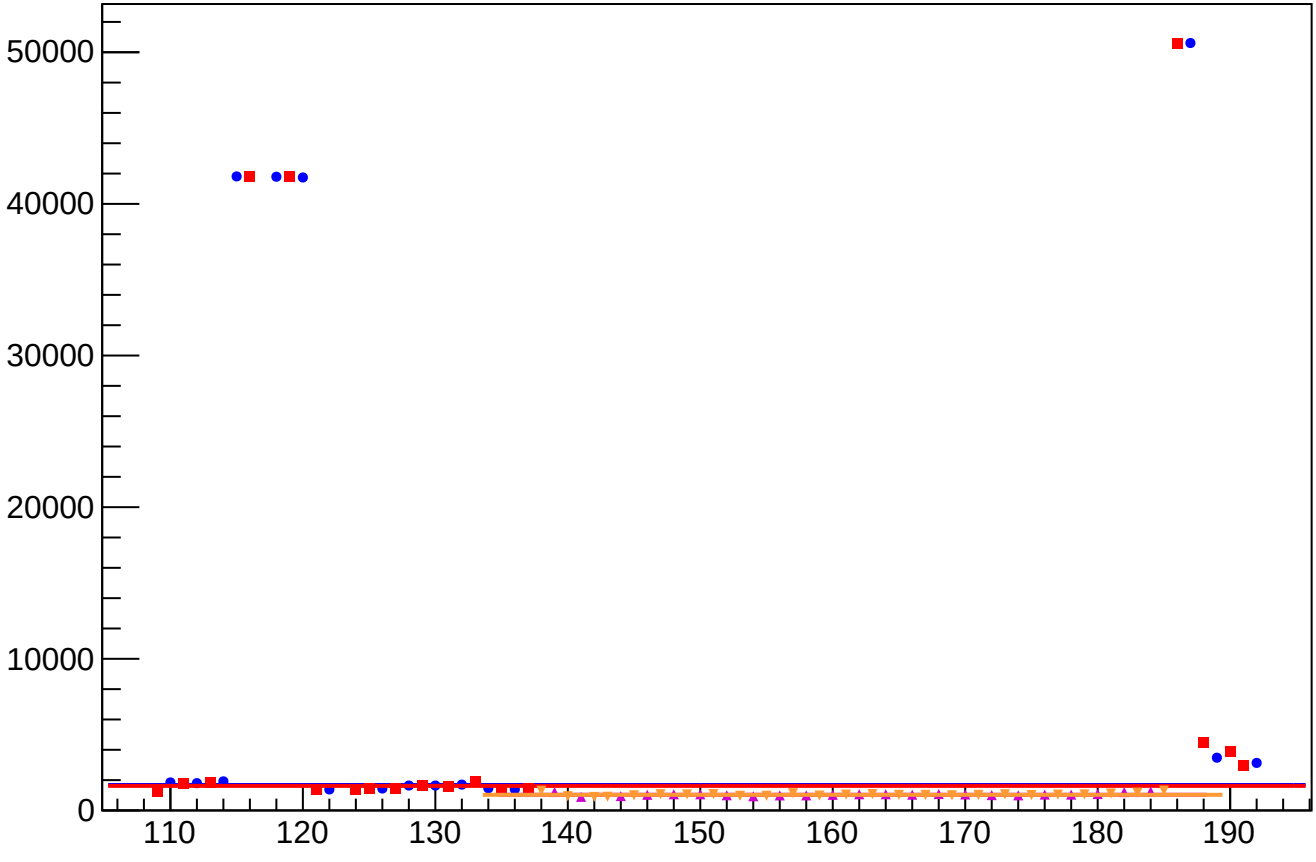
Right: -1.156+/-0.498 χ^2/NDF: 34.8/33

In: -0.461+/-0.229 χ^2/NDF:44.8/38

Out: -0.258+/-0.223 χ^2/NDF:56.0/42

All: -0.357+/-0.160 χ^2/NDF: 101.1/81

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: 1621.034+/-0.496 χ^2/NDF: 3404932.3/17

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

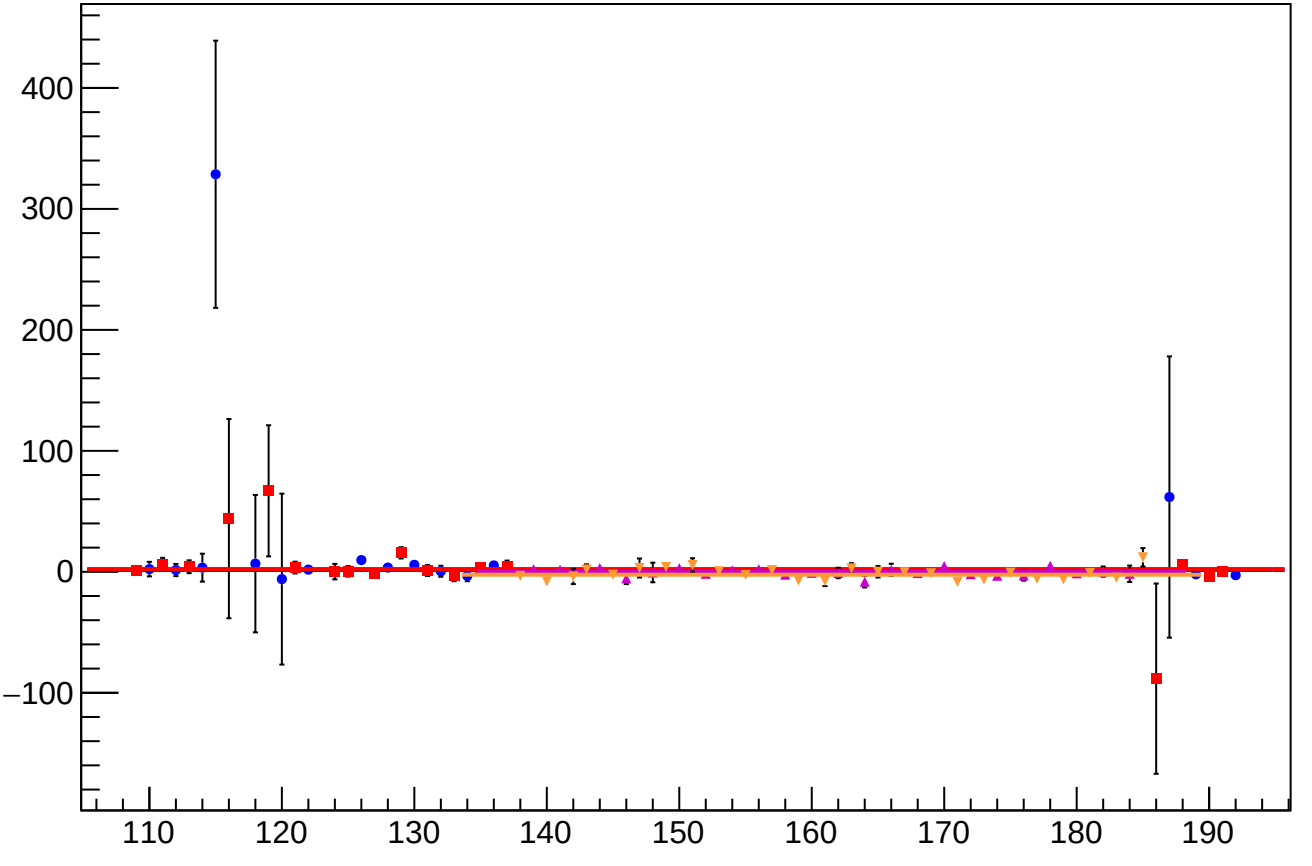
Right: 1649.949+/-0.352 χ^2/NDF: 6490558.0/33

In: 1100.545+/-0.162 χ^2/NDF:4761735.4/38

Out: 1091.107+/-0.158 χ^2/NDF:4916867.3/42

All: 1095.704+/-0.113 χ^2/NDF: 9680343.5/81

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: 2.278+/-1.053 χ^2/NDF: 19.4/17

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

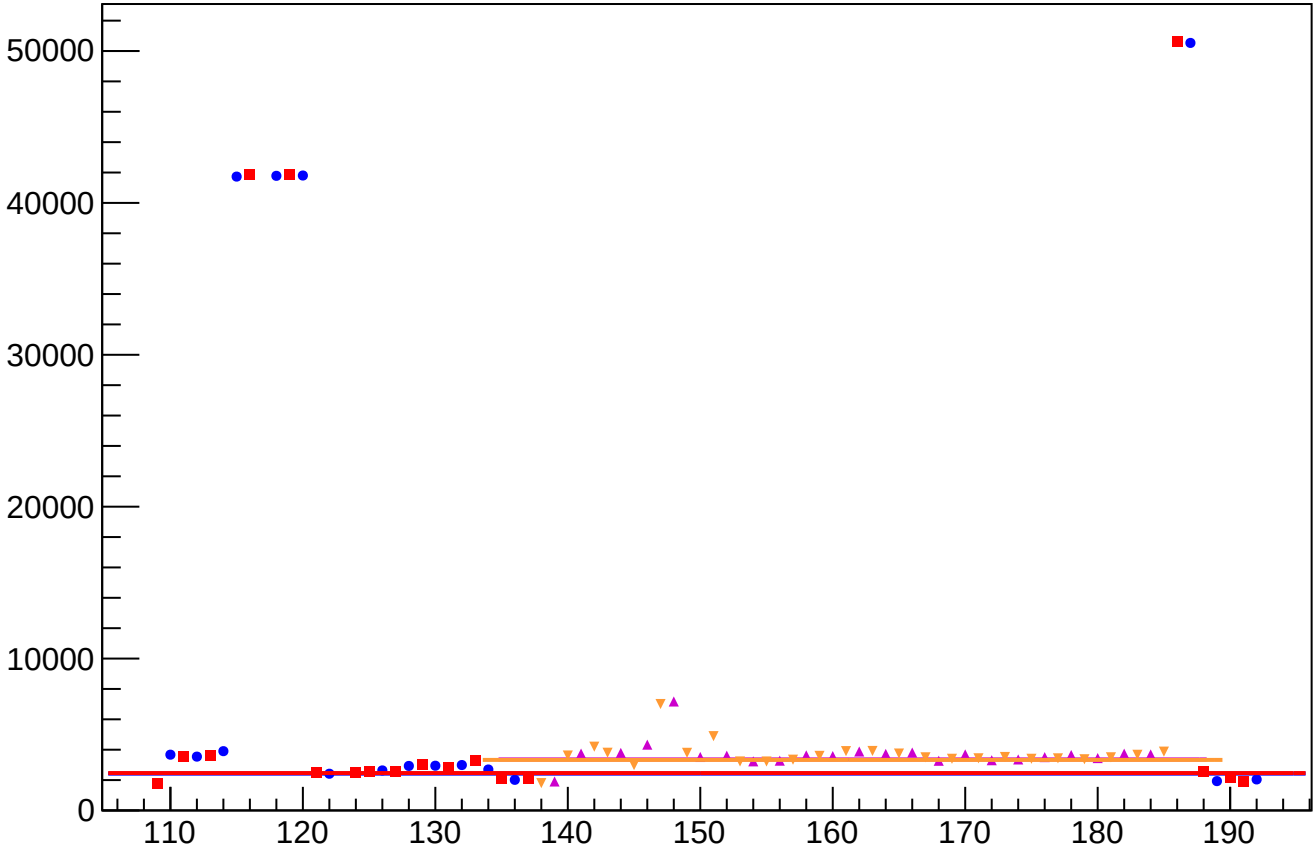
Right: 1.923+/-0.729 χ^2/NDF: 43.9/33

In: 0.729+/-0.632 χ^2/NDF:38.2/38

Out: -0.724+/-0.628 χ^2/NDF:56.3/42

All: -0.002+/-0.445 χ^2/NDF: 97.2/81

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: 2462.235+/-0.744 χ^2/NDF: 2766716.4/17

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

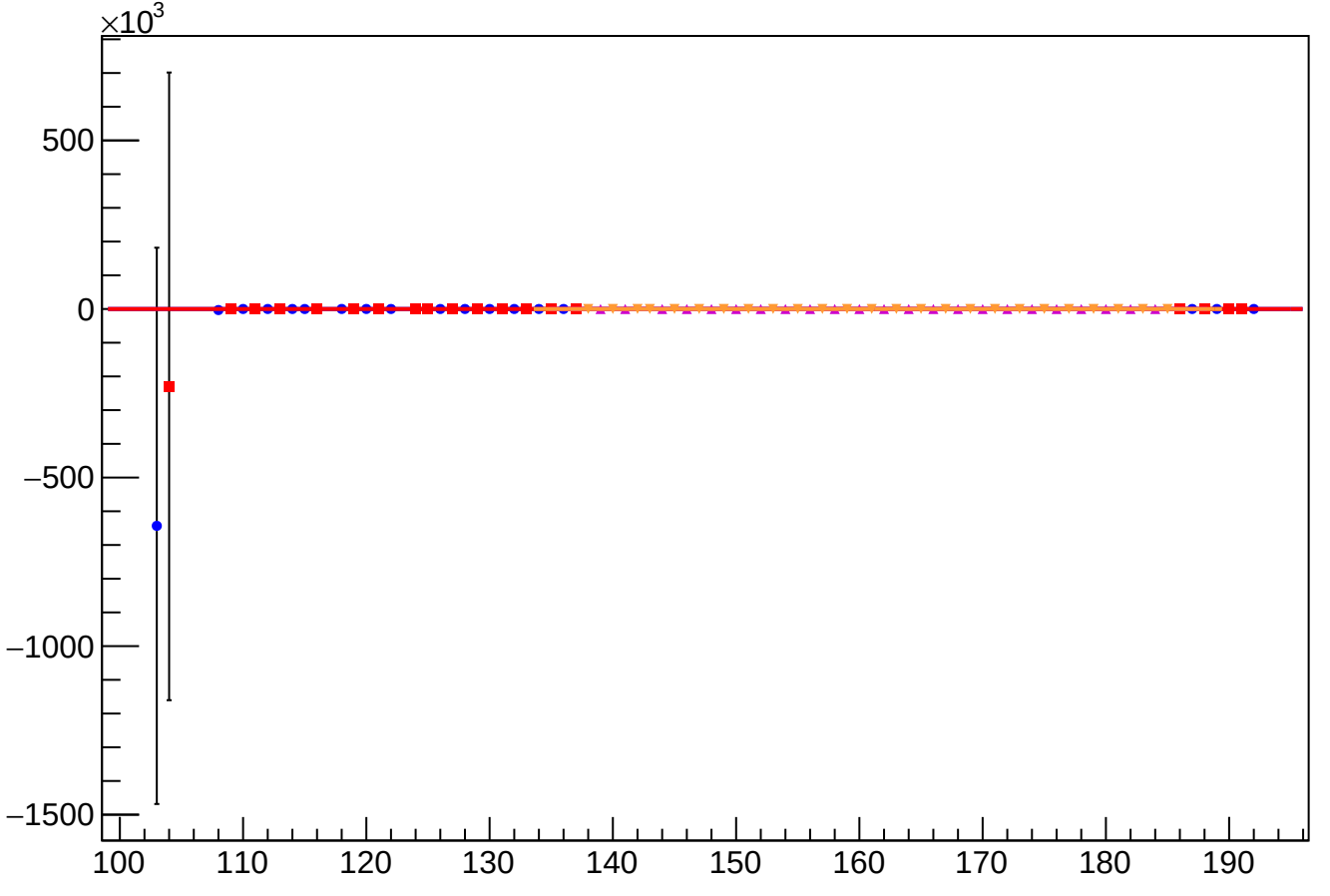
Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

Right: 2443.033+/-0.515 χ^2/NDF: 5462808.8/33

In: 2994.959+/-0.447 χ^2/NDF:5388413.9/38

Out: 3020.306+/-0.444 χ^2/NDF:5554285.0/42

All: 3007.712+/-0.315 χ^2/NDF: 10944318.7/8



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: 2.894+/-1.054 χ^2/NDF: 21.2/18

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

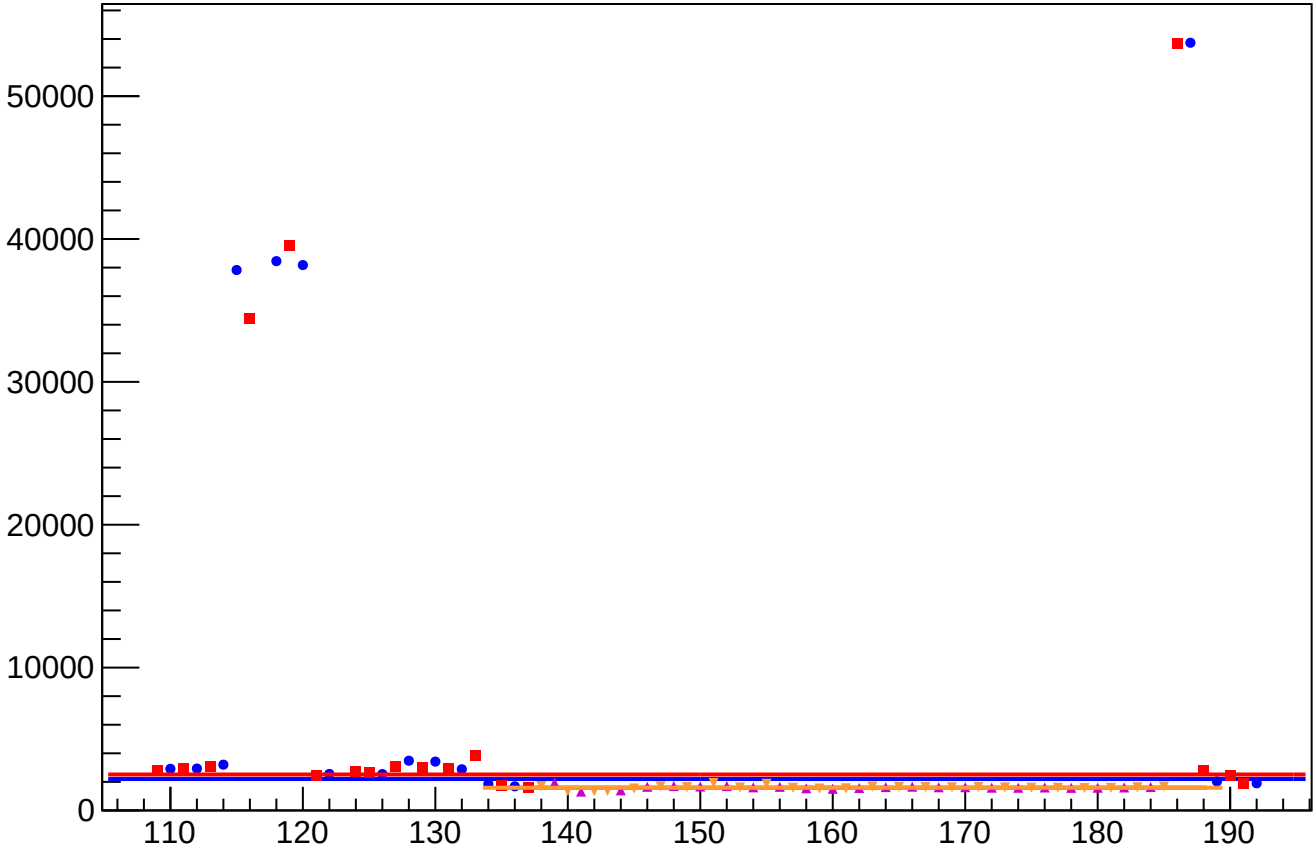
Right: 0.552+/-0.695 χ^2/NDF: 48.8/36

In: -0.192+/-0.347 χ^2/NDF:47.7/40

Out: -1.099+/-0.343 χ^2/NDF:87.5/43

All: -0.651+/-0.244 χ^2/NDF: 138.7/84

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: 2517.710+/-0.745 χ^2/NDF: 2855141.3/17

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

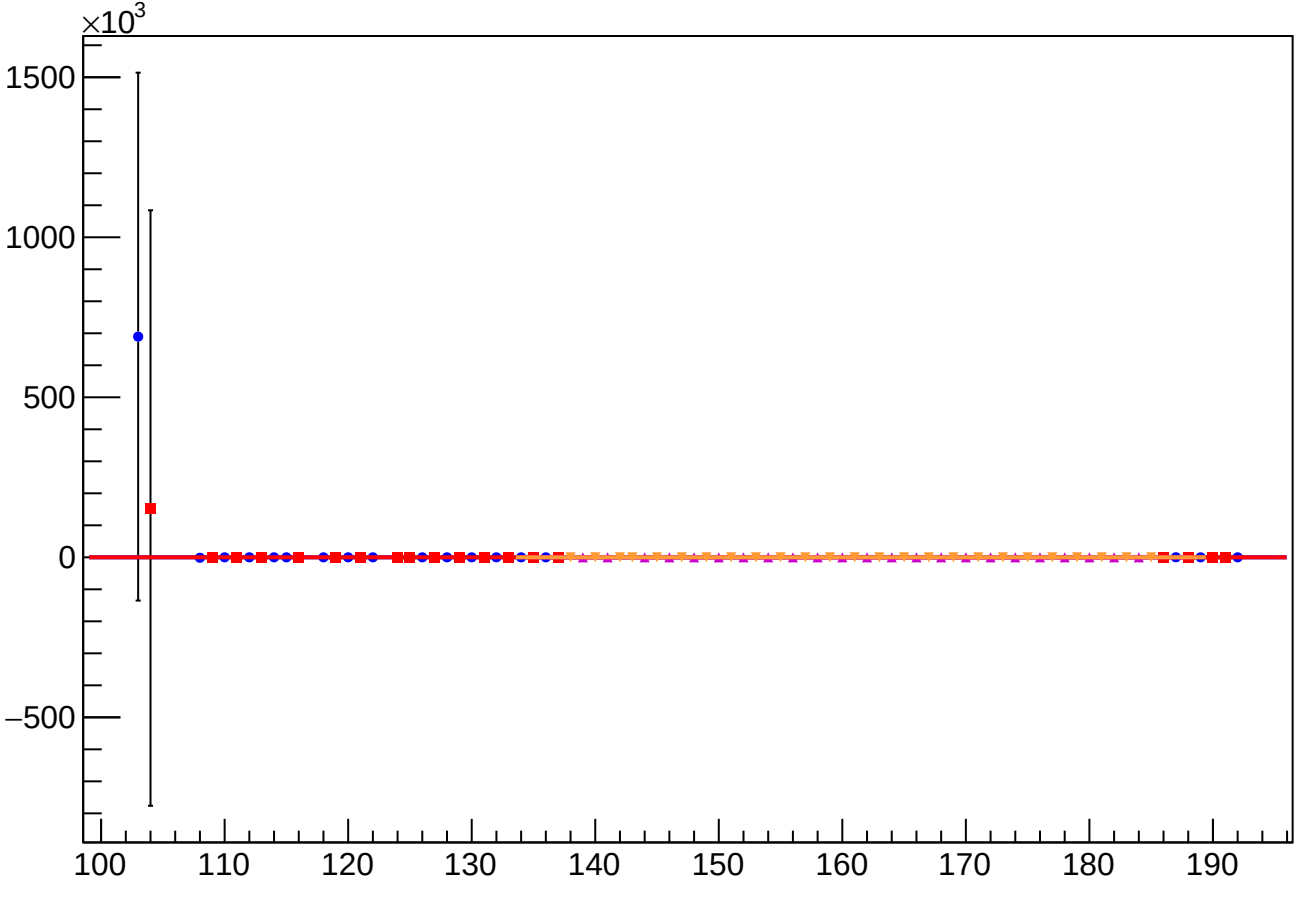
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2338.510+/-0.492 χ^2/NDF: 5843238.1/33

In: 1681.179+/-0.245 χ^2/NDF:3814915.8/38

Out: 1687.923+/-0.243 χ^2/NDF:4475208.6/42

All: 1684.590+/-0.173 χ^2/NDF: 8290506.3/81



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: 0.993+/-0.884 χ^2/NDF: 23.3/18

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

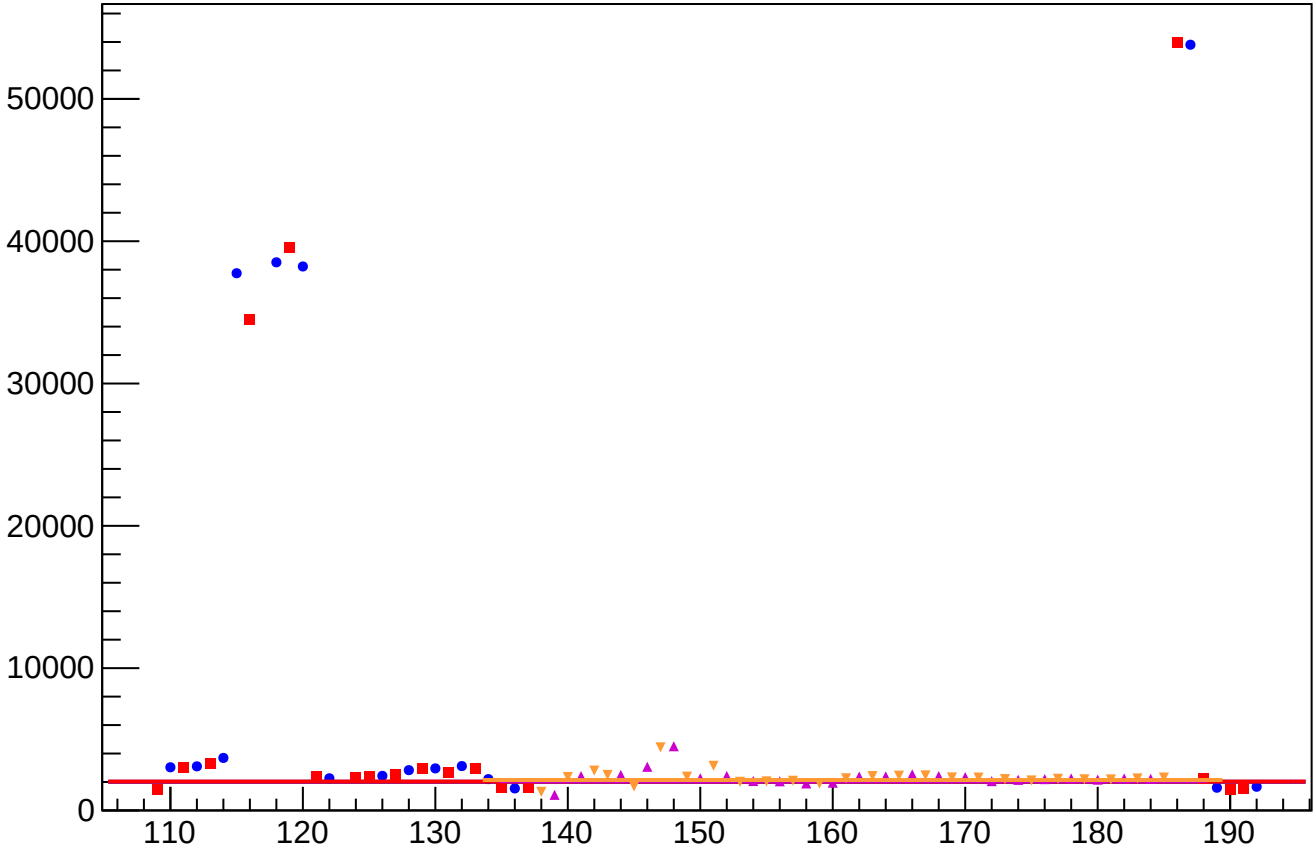
Right: 0.740+/-0.615 χ^2/NDF: 36.0/36

In: 0.036+/-0.432 χ^2/NDF:29.9/40

Out: -0.649+/-0.437 χ^2/NDF:52.2/43

All: -0.303+/-0.307 χ^2/NDF: 83.3/84

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: 2028.417+/-0.625 χ^2/NDF: 3189974.9/17

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

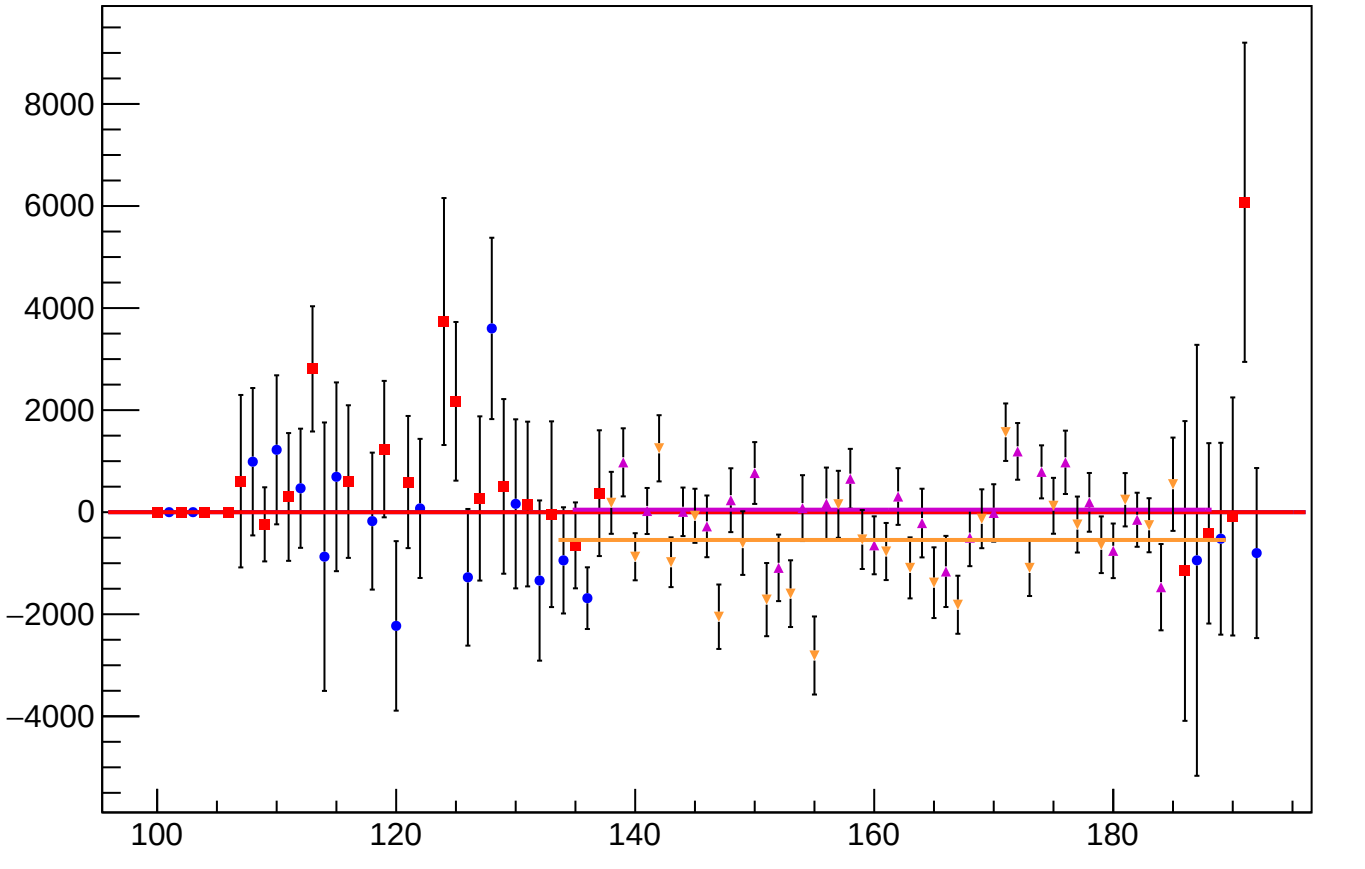
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

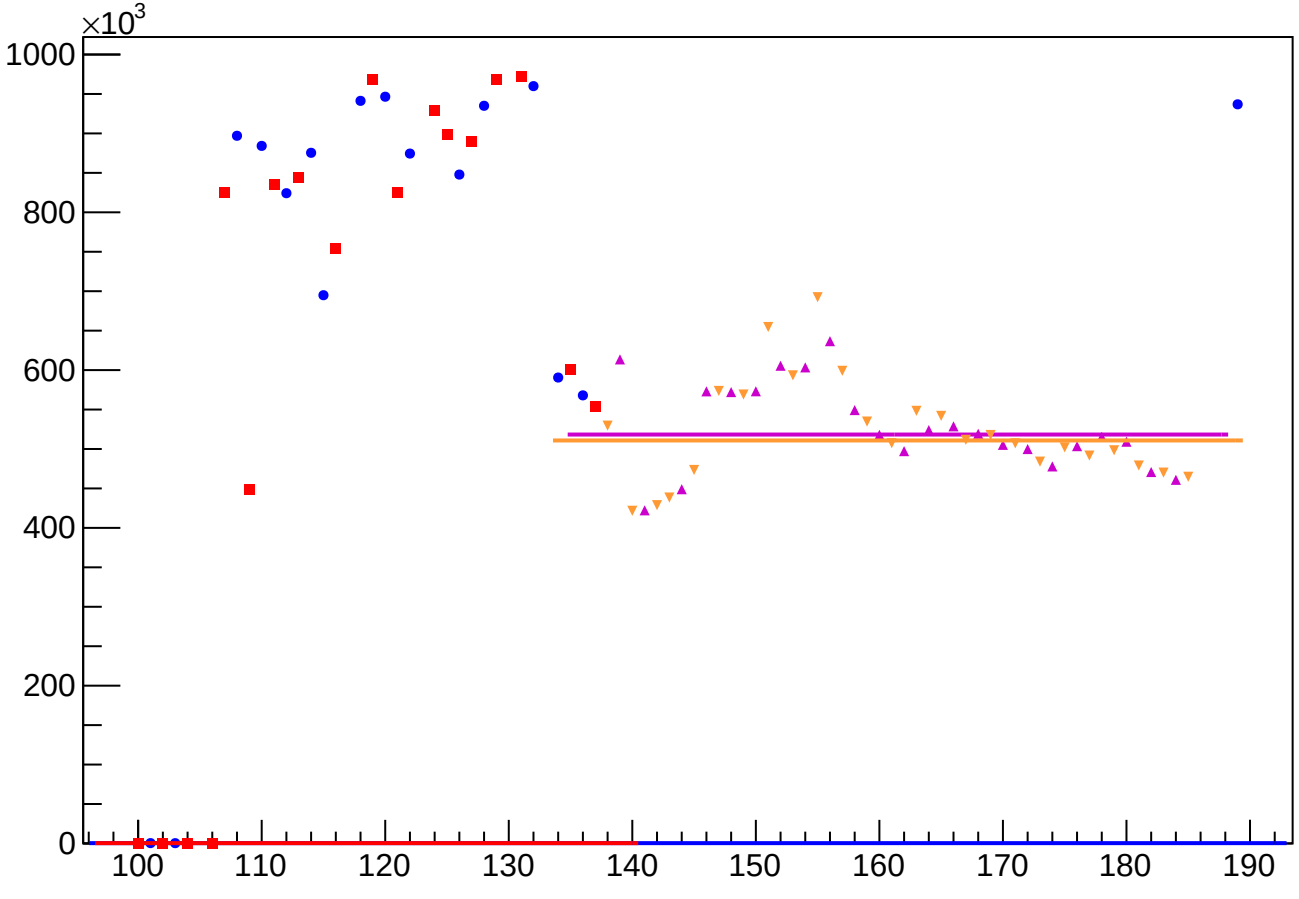
Right: 2021.062+/-0.435 χ^2/NDF: 6280101.4/33

In: 2046.949+/-0.306 χ^2/NDF:5387409.0/38

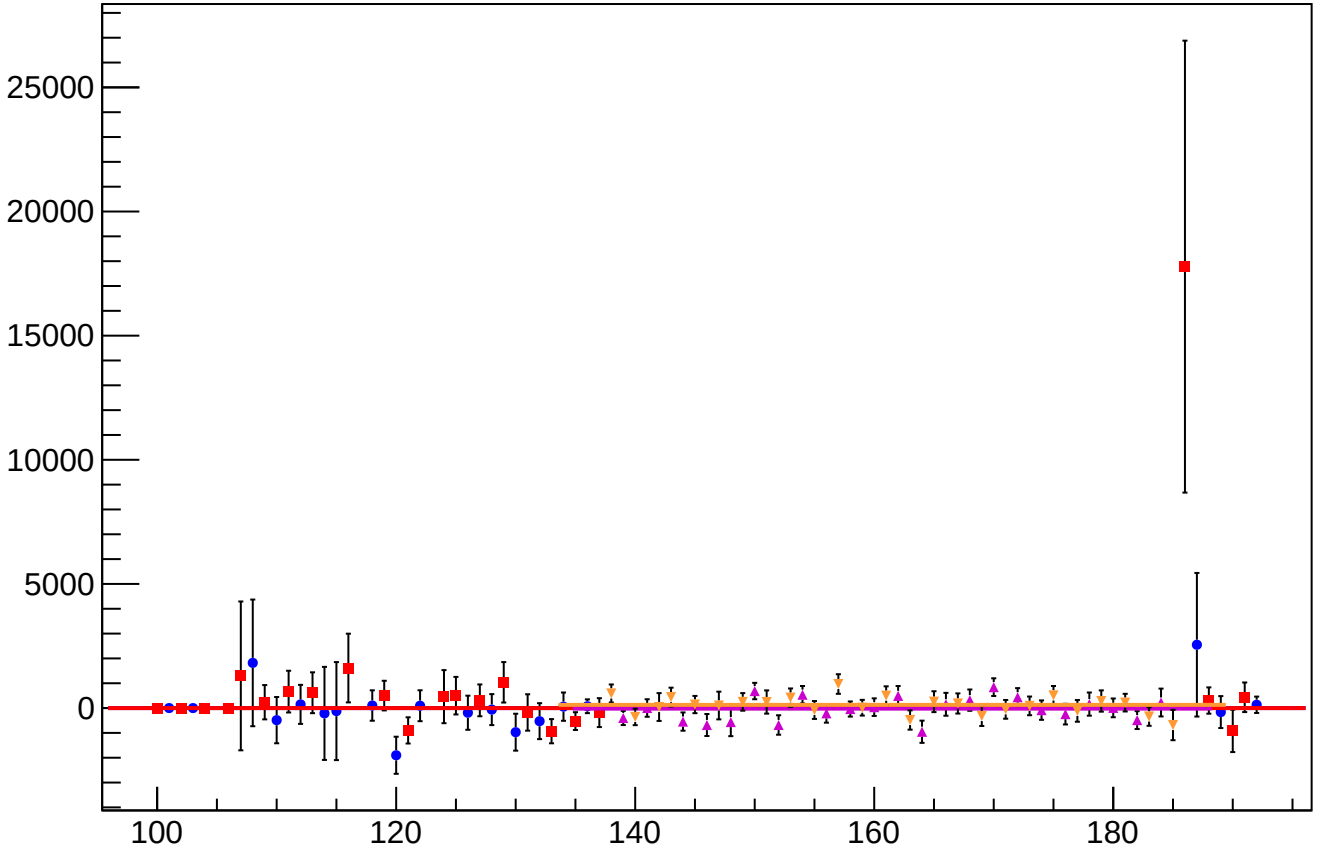
Out: 2112.201+/-0.309 χ^2/NDF:4693721.8/42

All: 2079.238+/-0.217 χ^2/NDF: 10103669.9/8


diff_cav4bX_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
Right In: 0.255+/-0.356 χ²/NDF: 18.1/18
Left Out: -544.414+/-117.154 χ²/NDF:60.9/24
Right Out: -0.096+/-0.328 χ²/NDF: 19.4/22
Left In: 49.119+/-121.932 χ²/NDF:28.0/22
Left: -259.505+/-84.479 χ²/NDF: 101.1/47
Right: 0.065+/-0.241 χ²/NDF: 38.0/41
In: 0.256+/-0.356 χ²/NDF:46.2/41
Out: -0.100+/-0.328 χ²/NDF:101.8/47
All: 0.063+/-0.241 χ²/NDF: 148.6/89


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: 20.8/22

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

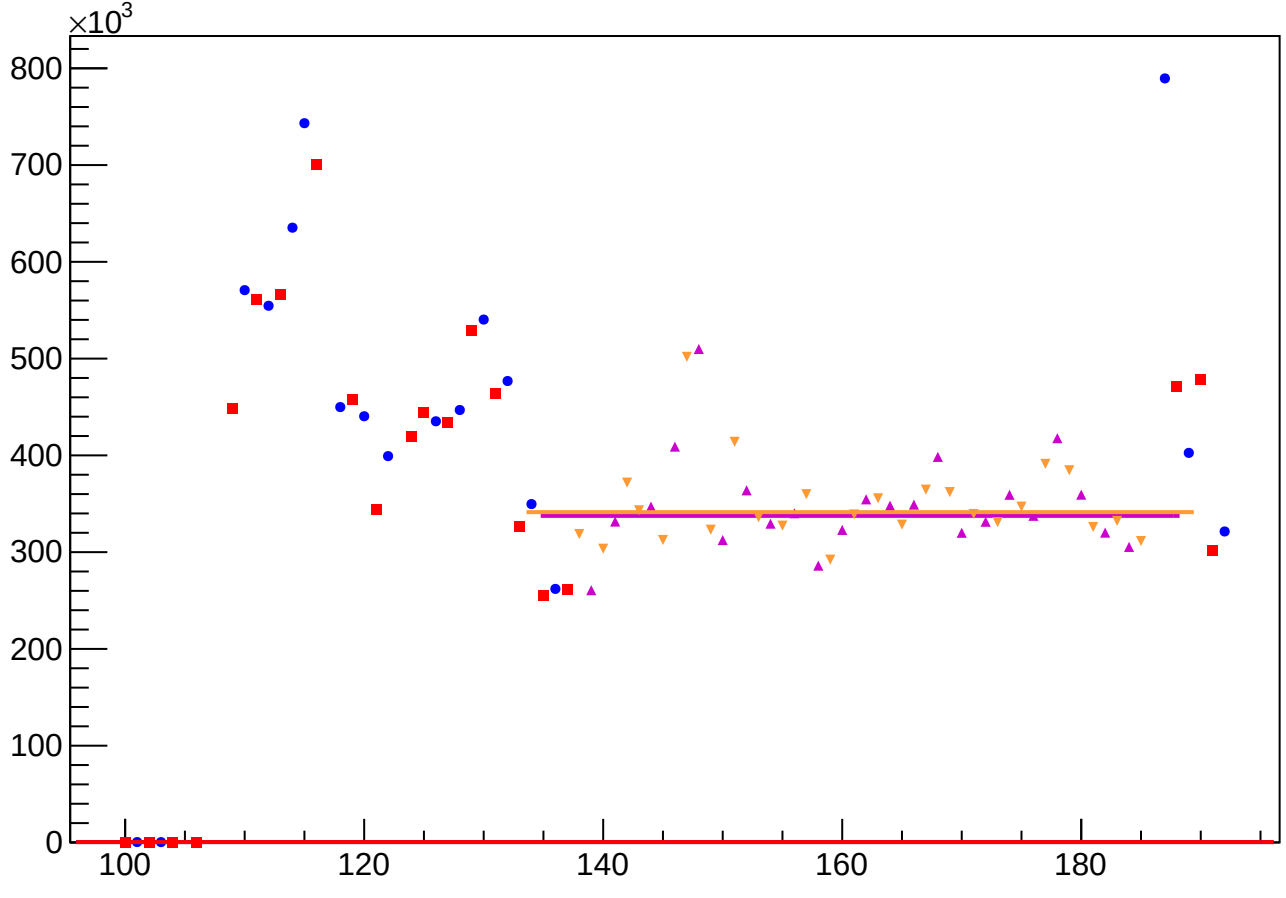
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.330+/-0.237 χ^2/NDF: 33.8/41

In: -0.021+/-0.347 χ^2/NDF:45.2/41

Out: -0.596+/-0.324 χ^2/NDF:43.7/47

All: -0.329+/-0.237 χ^2/NDF: 90.4/89



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: 388.313+/-0.229 χ^2/NDF: 13749201.4/20

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

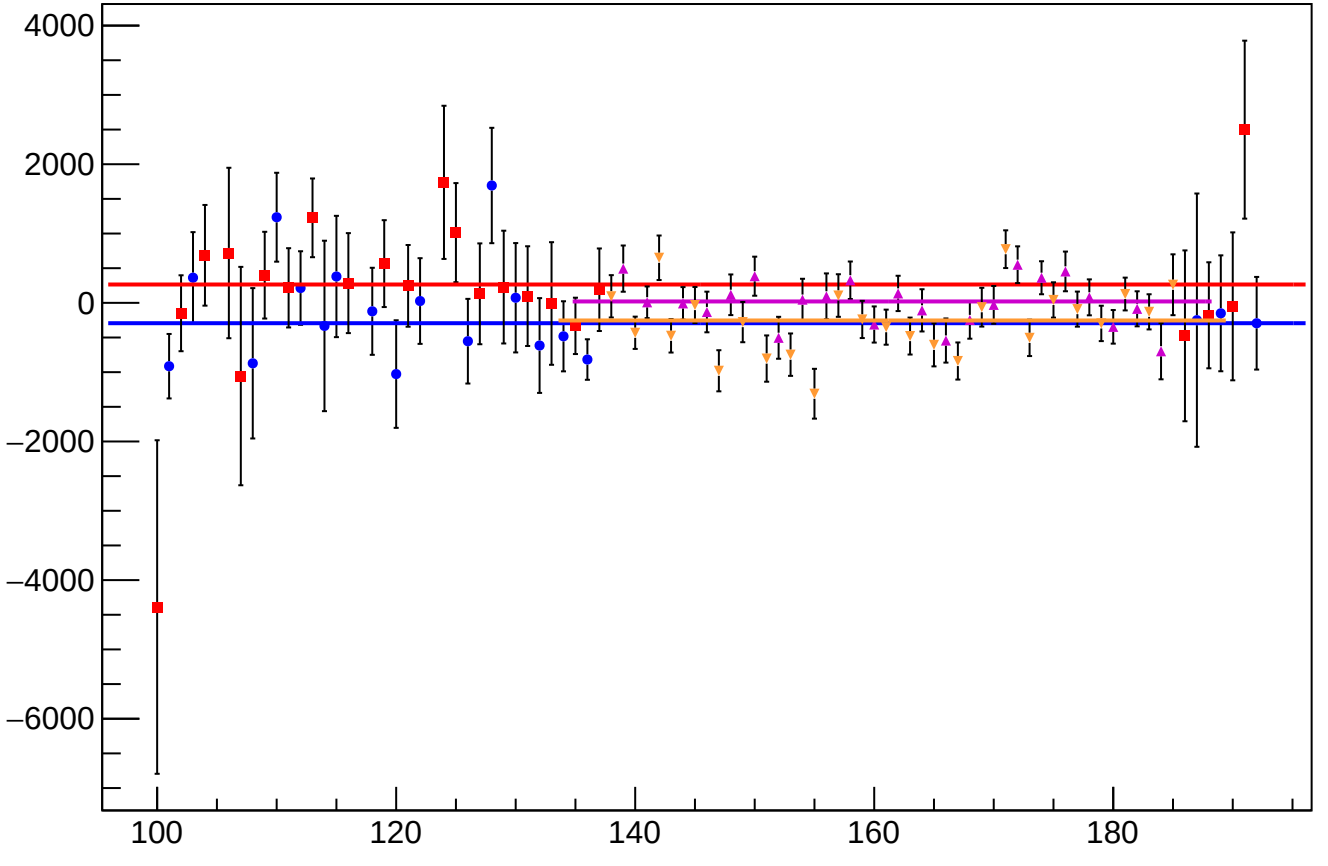
Right: 389.446+/-0.167 χ^2/NDF: 27572407.1/38

In: 397.131+/-0.245 χ^2/NDF:50141673.6/40

Out: 394.151+/-0.229 χ^2/NDF:52120646.0/45

All: 395.538+/-0.167 χ^2/NDF: 102262398.4/8

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: 264.765+/-149.673 χ^2/NDF: 17.7/22

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

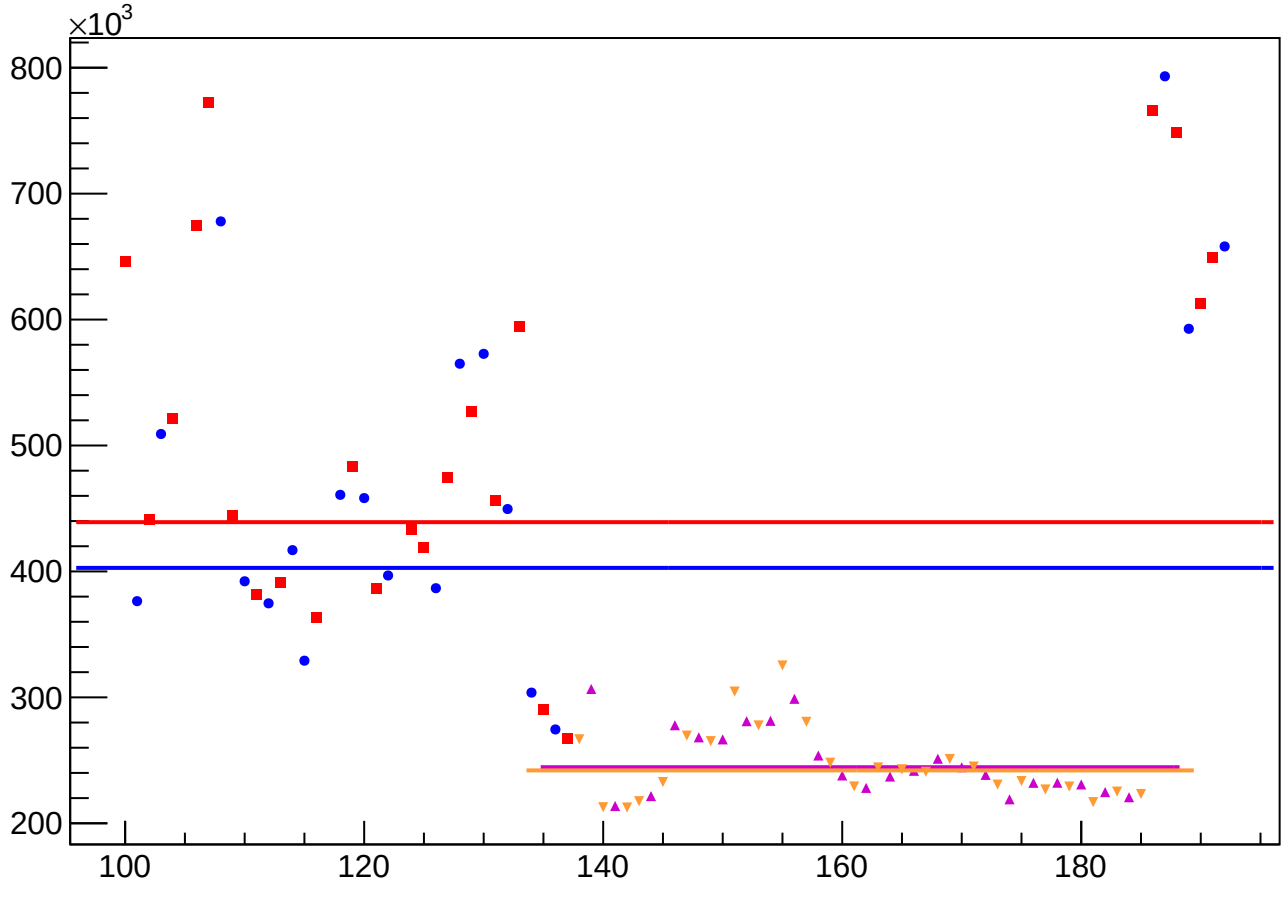
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -30.265+/-102.785 χ^2/NDF: 46.2/41

In: -24.325+/-53.252 χ^2/NDF:54.0/41

Out: -191.783+/-51.970 χ^2/NDF:89.6/47

All: -110.094+/-37.193 χ^2/NDF: 148.6/89



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: 439118.936+/-105.916 χ^2/NDF: 1374262.3/22

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

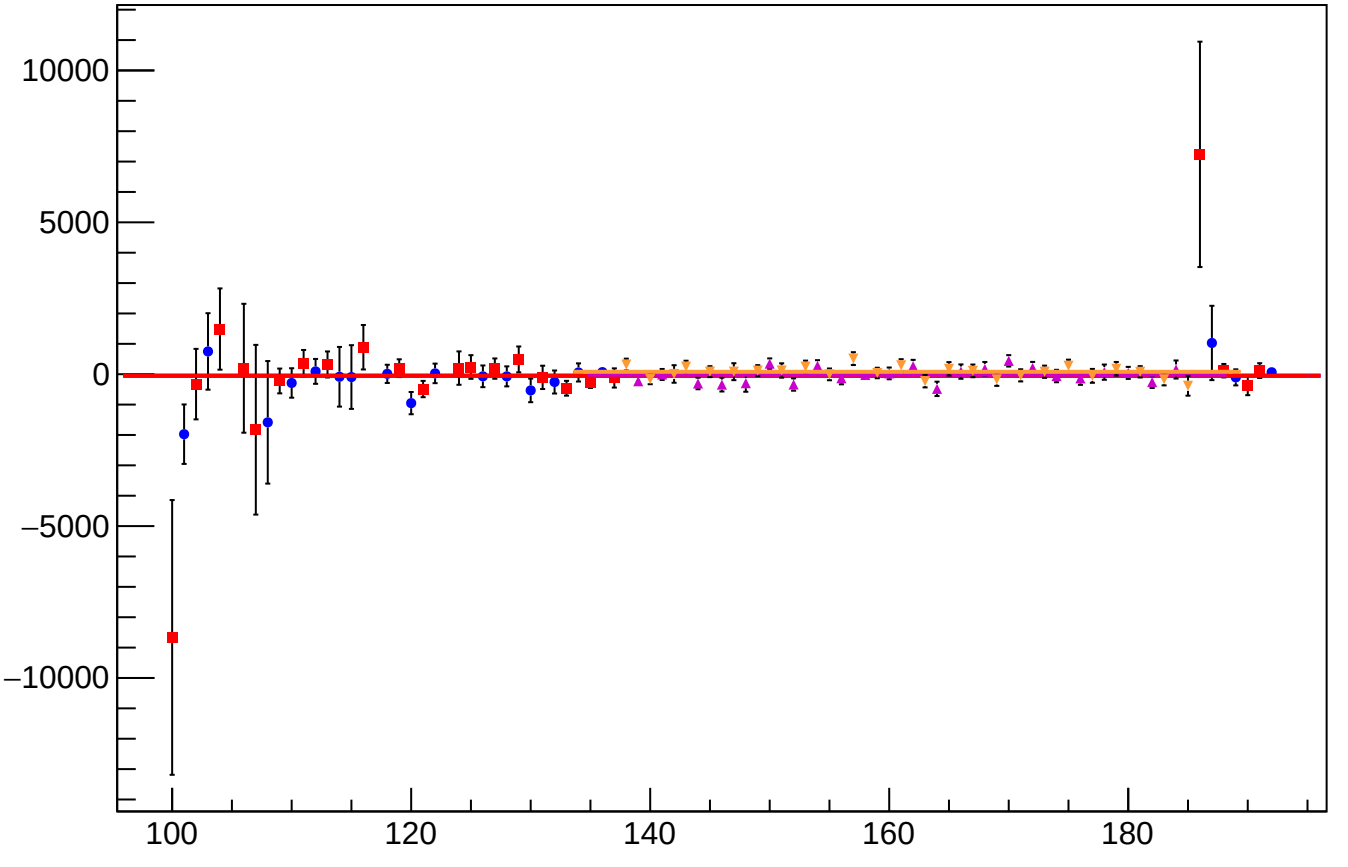
Right: 419925.929+/-72.712 χ^2/NDF: 2799023.5/41

In: 266984.413+/-37.655 χ^2/NDF:3874009.8/41

Out: 265740.931+/-36.751 χ^2/NDF:4833872.5/47

All: 266347.567+/-26.301 χ^2/NDF: 8708440.8

diff_cav4cY_mean vs Slug, Sign Corrected



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: -52.598+/-75.034 χ^2/NDF: 25.0/22

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

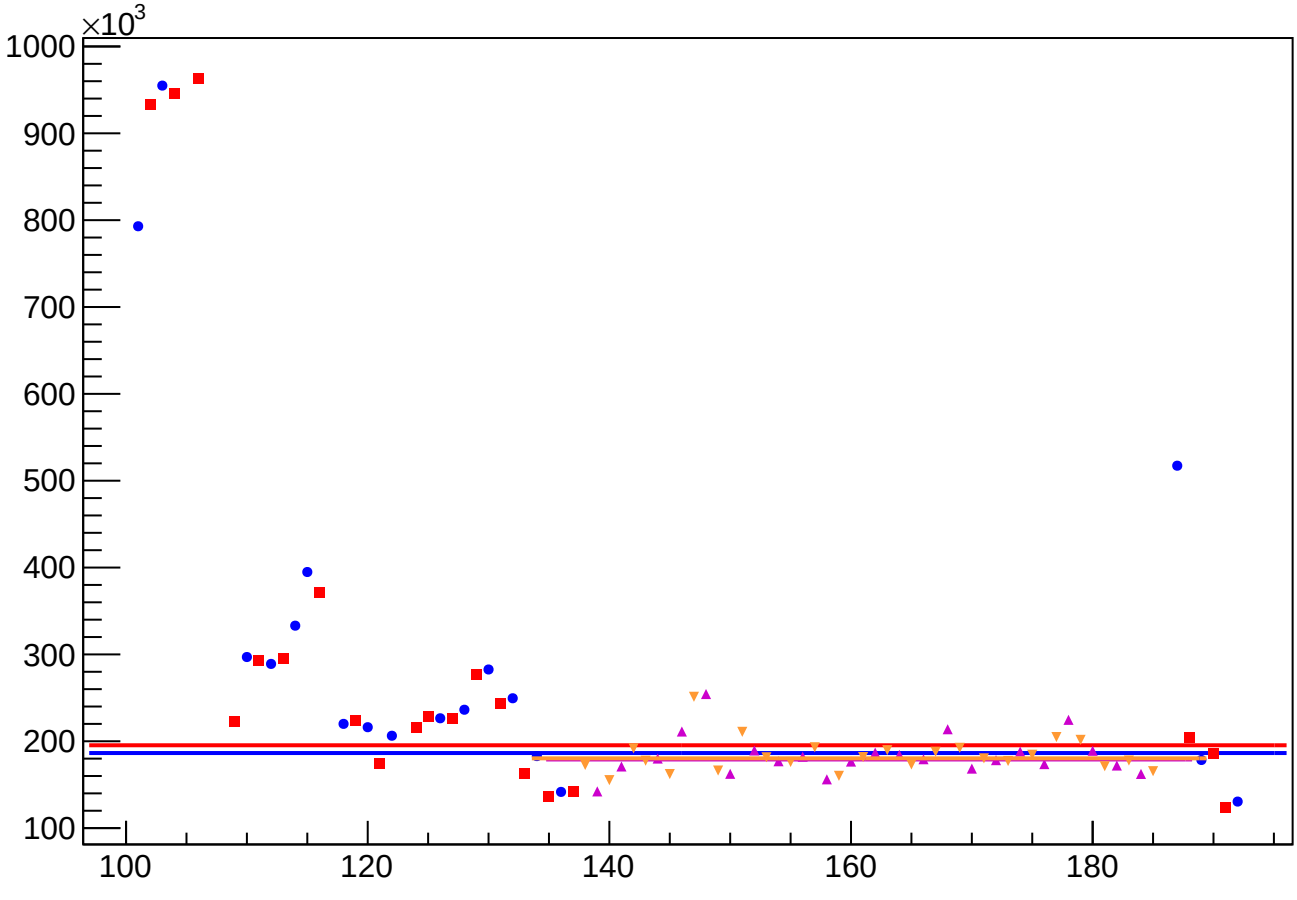
Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

Right: -50.024+/-51.532 χ^2/NDF: 40.5/41

In: -22.857+/-36.283 χ^2/NDF:48.9/41

Out: 48.781+/-36.182 χ^2/NDF:47.1/47

All: 13.062+/-25.620 χ^2/NDF: 97.9/89



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: 195382.498+/-53.165 χ^2/NDF: 2267024.7/19

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

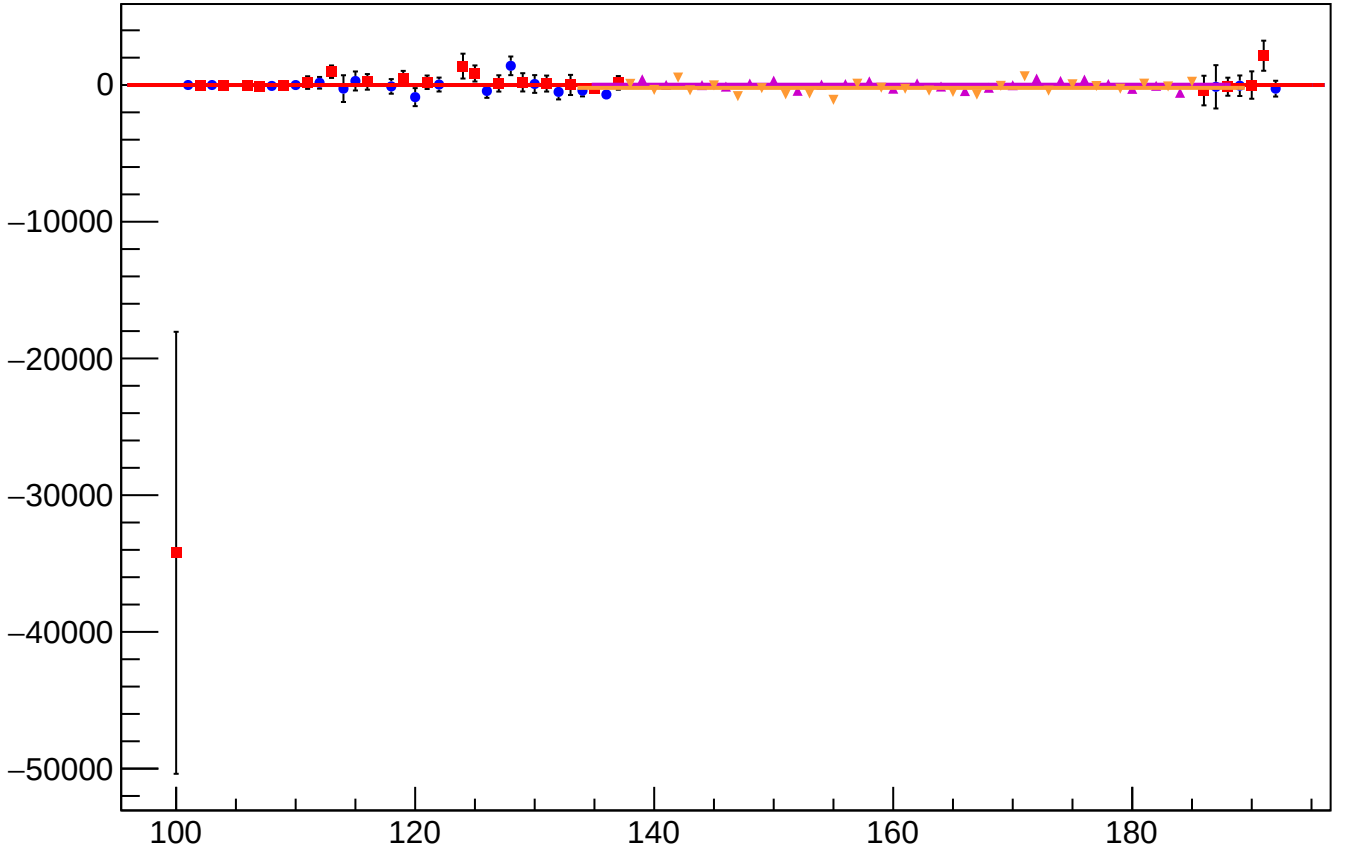
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 190656.138+/-36.495 χ^2/NDF: 4878770.1/37

In: 180964.444+/-25.664 χ^2/NDF:3114343.7/40

Out: 183828.986+/-25.596 χ^2/NDF:2675096.1/44

All: 182400.472+/-18.123 χ^2/NDF: 5795685.



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: 20.4/22

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

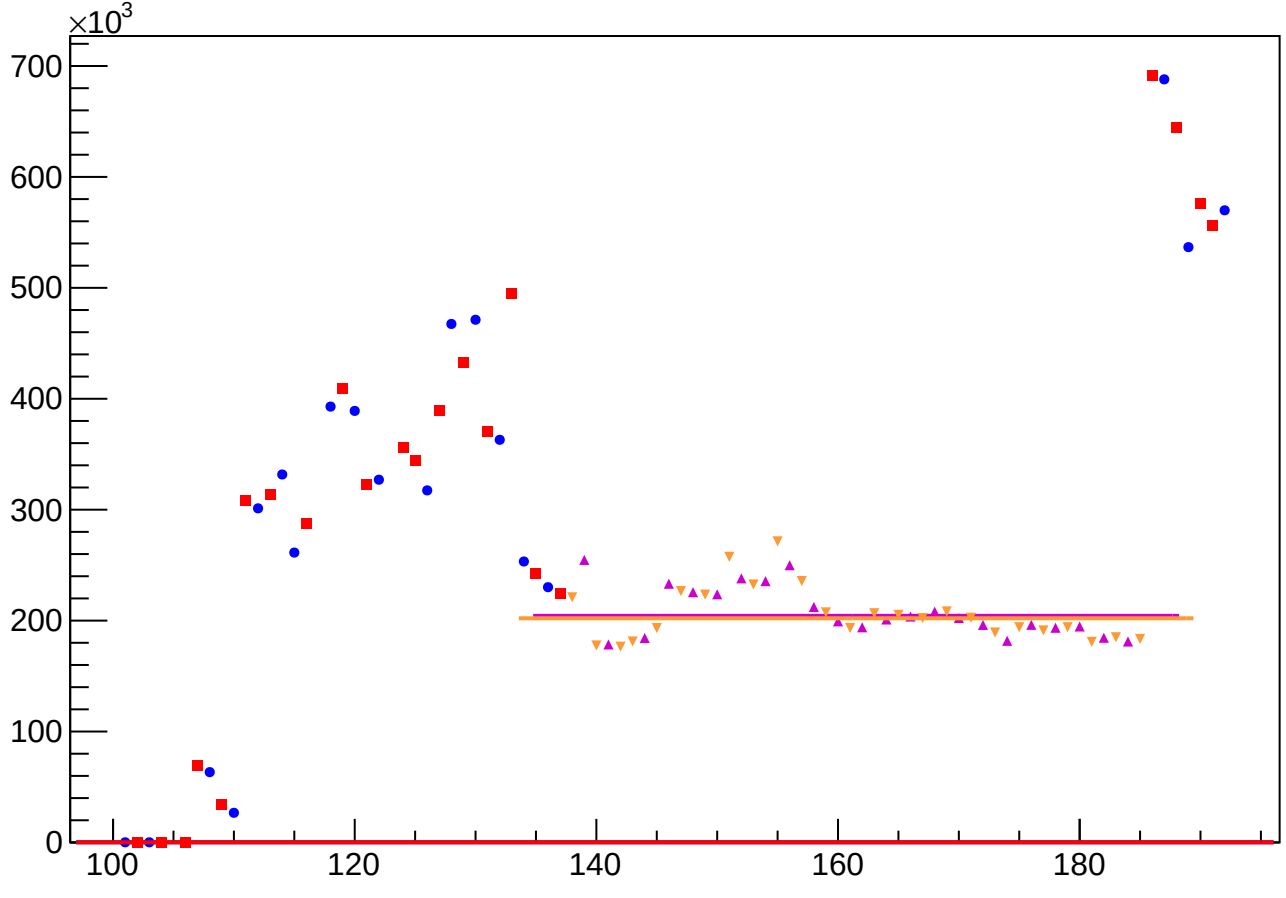
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 41.5/41

In: -0.035+/-0.172 χ^2/NDF:47.1/41

Out: 0.353+/-0.160 χ^2/NDF:102.3/47

All: 0.173+/-0.117 χ^2/NDF: 152.1/89



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: 149.458+/-0.113 χ^2/NDF: 15187378.6/21

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

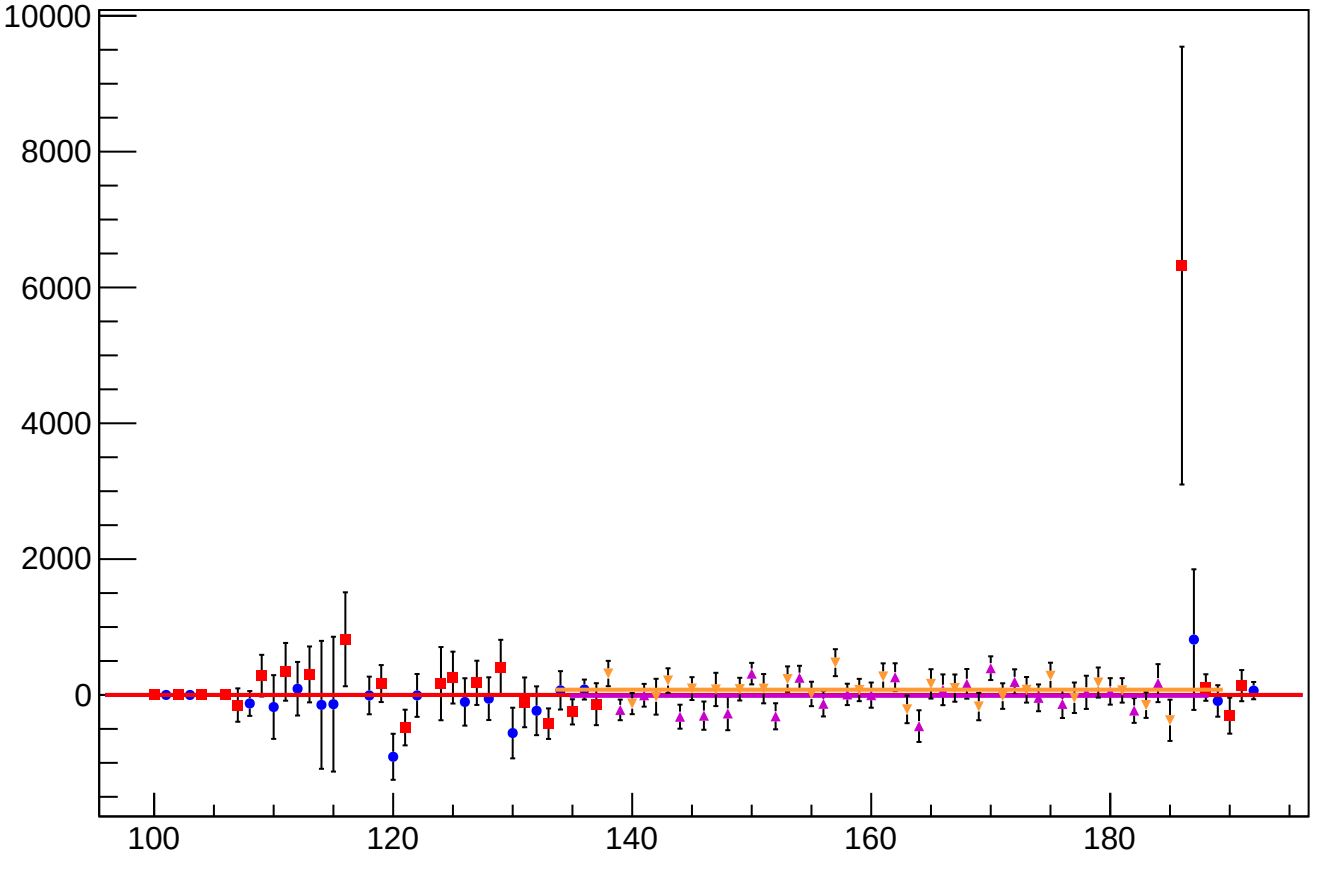
Right: 149.329+/-0.083 χ^2/NDF: 29826135.6/40

In: 151.804+/-0.122 χ^2/NDF:51141543.3/41

Out: 151.875+/-0.113 χ^2/NDF:53683185.9/46

All: 151.842+/-0.083 χ^2/NDF: 104824729.3/8

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: 21.1/22

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

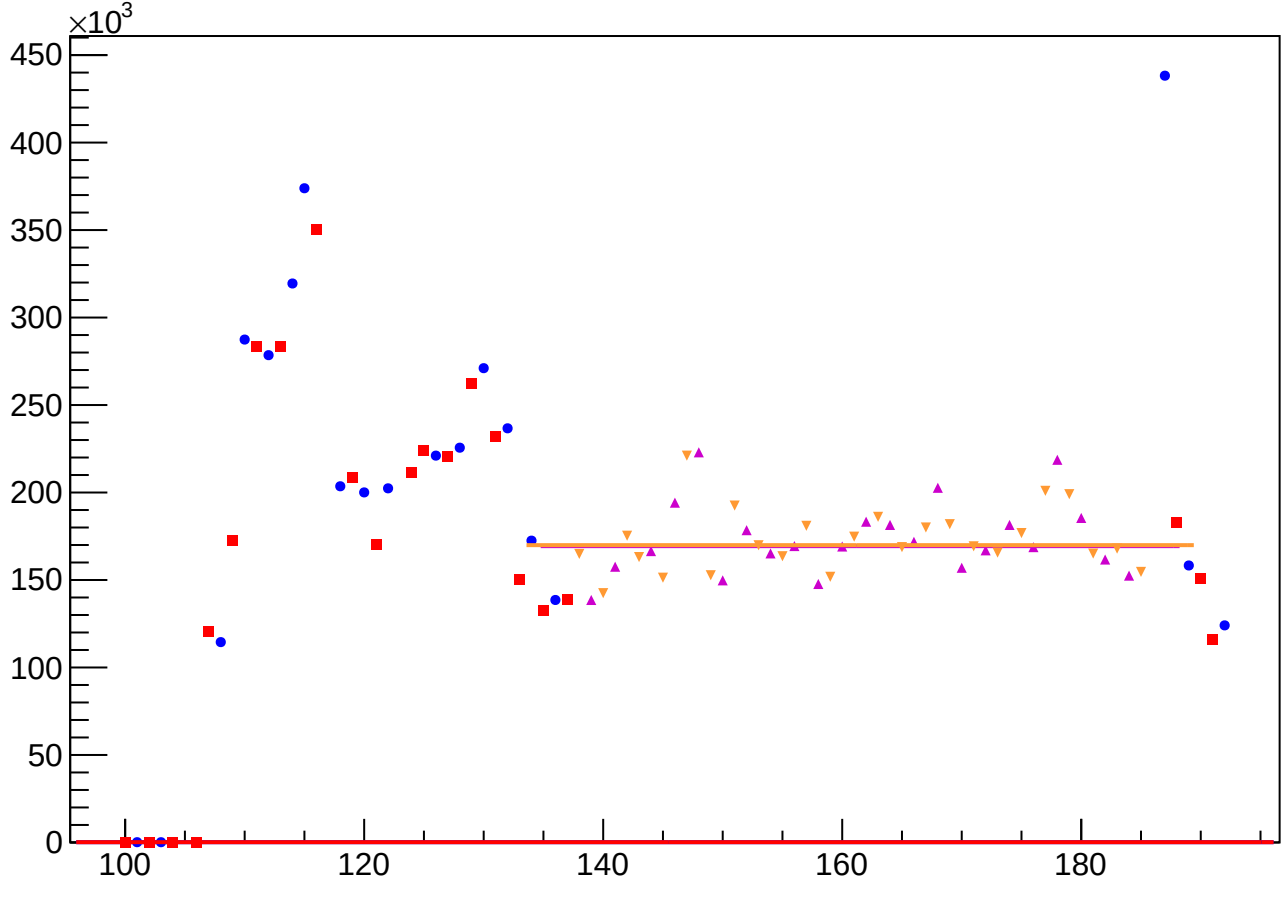
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 33.4/41

In: -0.068+/-0.177 χ^2/NDF:45.0/41

Out: -0.125+/-0.166 χ^2/NDF:44.2/47

All: -0.098+/-0.121 χ^2/NDF: 89.2/89



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: 156.411+/-0.118 χ^2/NDF: 14233857.7/21

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

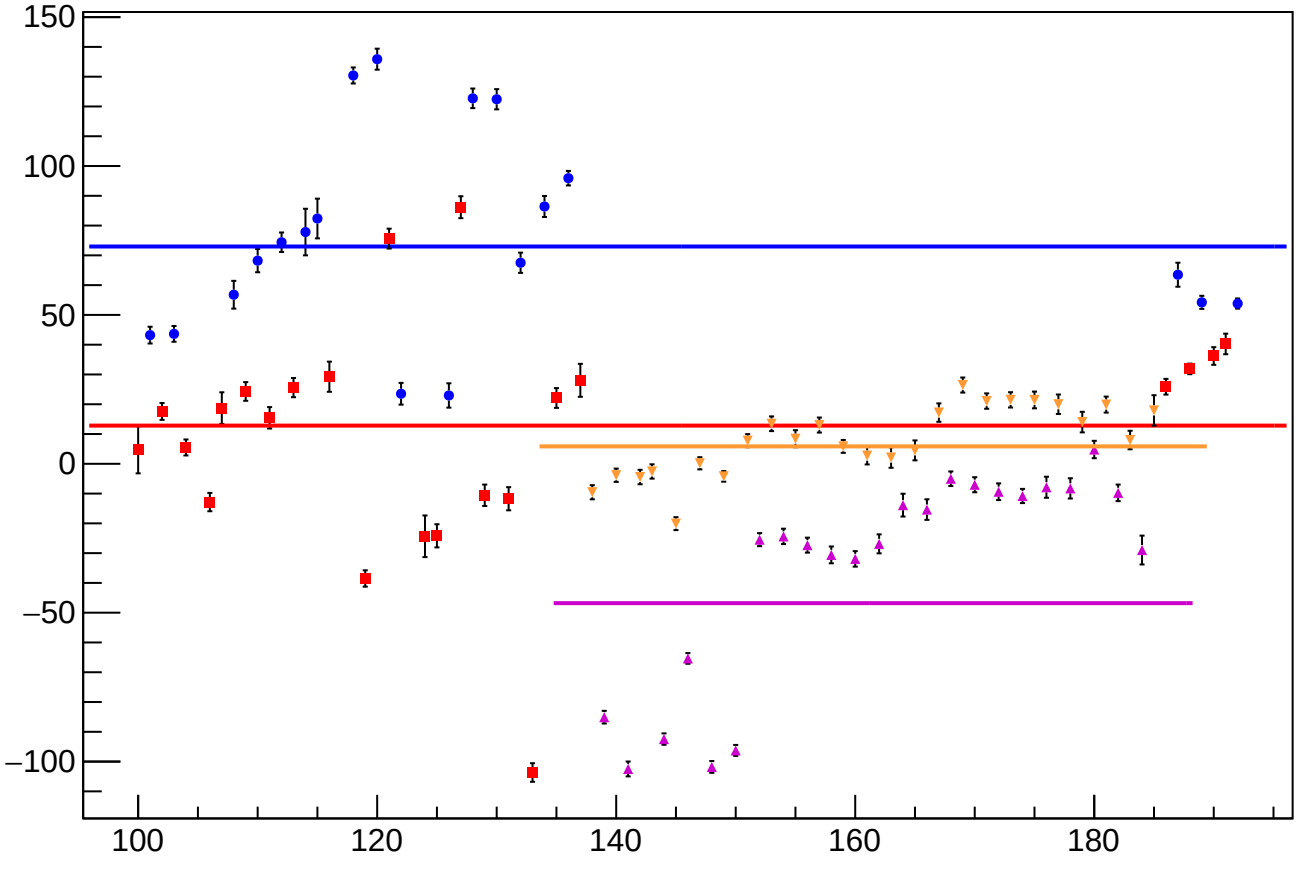
Right: 155.189+/-0.086 χ^2/NDF: 29322926.2/40

In: 157.139+/-0.125 χ^2/NDF:51474768.3/41

Out: 159.517+/-0.118 χ^2/NDF:52644756.7/46

All: 158.402+/-0.086 χ^2/NDF: 104119716.2/8

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: 12.824+/-0.683 χ^2/NDF: 3095.0/22

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

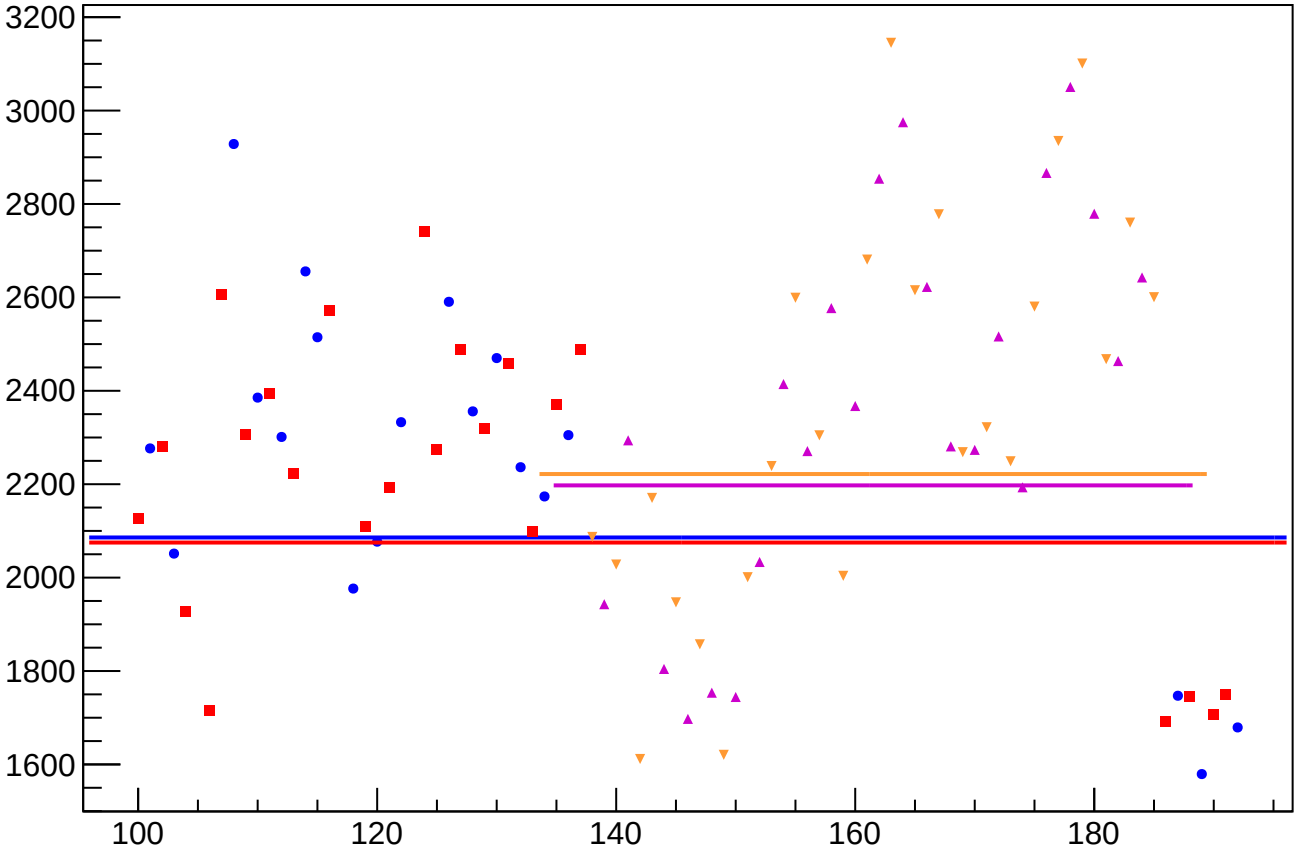
Right: 41.777+/-0.492 χ^2/NDF: 8933.8/41

In: -4.431+/-0.422 χ^2/NDF:25726.1/41

Out: 8.373+/-0.411 χ^2/NDF:3696.8/47

All: 2.139+/-0.294 χ^2/NDF: 29896.2/89

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: 2075.089+/-0.483 χ^2/NDF: 380818.0/22

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

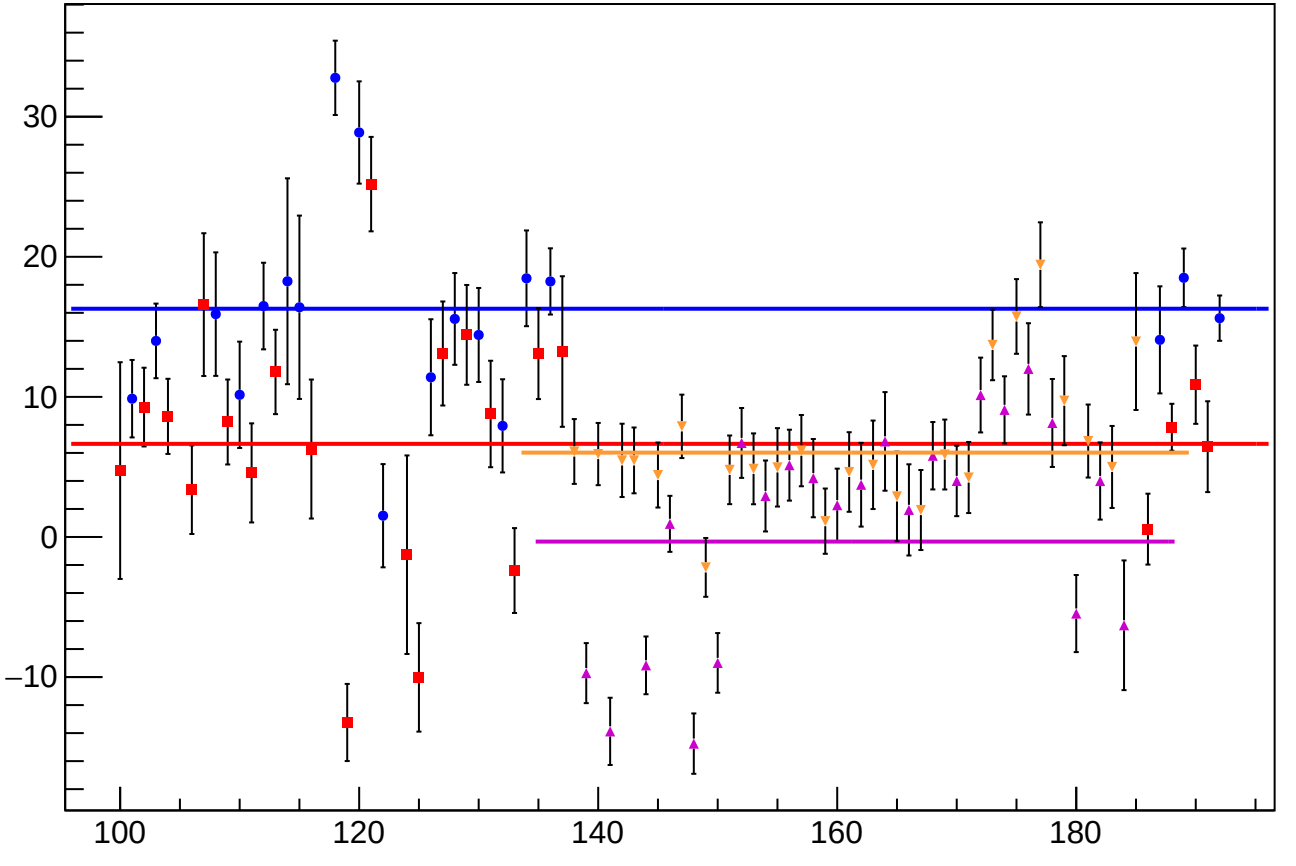
Right: 2080.311+/-0.348 χ^2/NDF: 831948.9/41

In: 2158.019+/-0.298 χ^2/NDF:1587543.7/41

Out: 2168.736+/-0.290 χ^2/NDF:1623755.1/47

All: 2163.519+/-0.208 χ^2/NDF: 3211961.8/89

diff_bpm0i01Y_mean vs Slug, Sign Corrected



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: 6.648+/-0.665 χ^2/NDF: 143.1/22

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

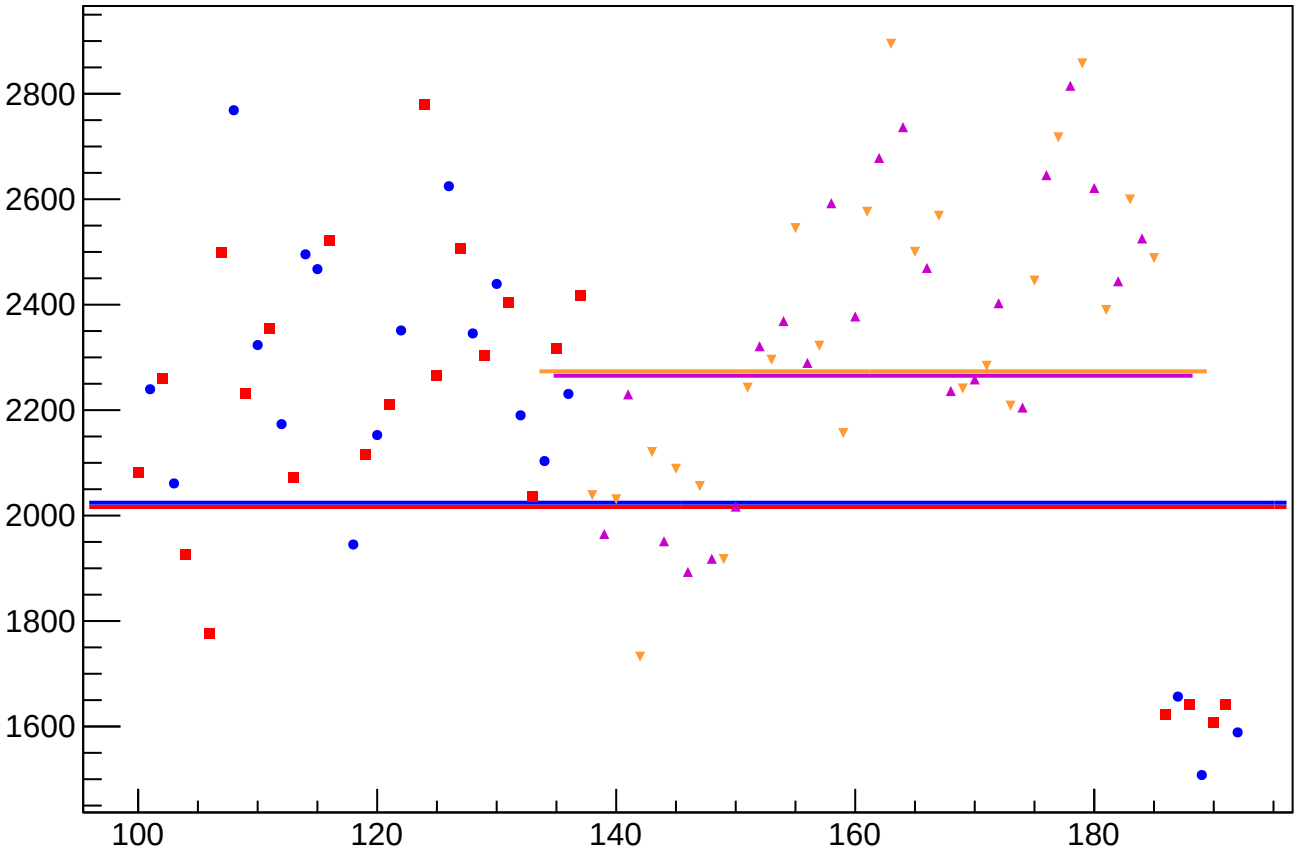
Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

Right: 11.296+/-0.478 χ^2/NDF: 330.8/41

In: 5.914+/-0.422 χ^2/NDF:674.2/41

Out: 6.260+/-0.410 χ^2/NDF:215.4/47

All: 6.092+/-0.294 χ^2/NDF: 890.0/89



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: 2016.243+/-0.470 χ^2/NDF: 453001.6/22

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

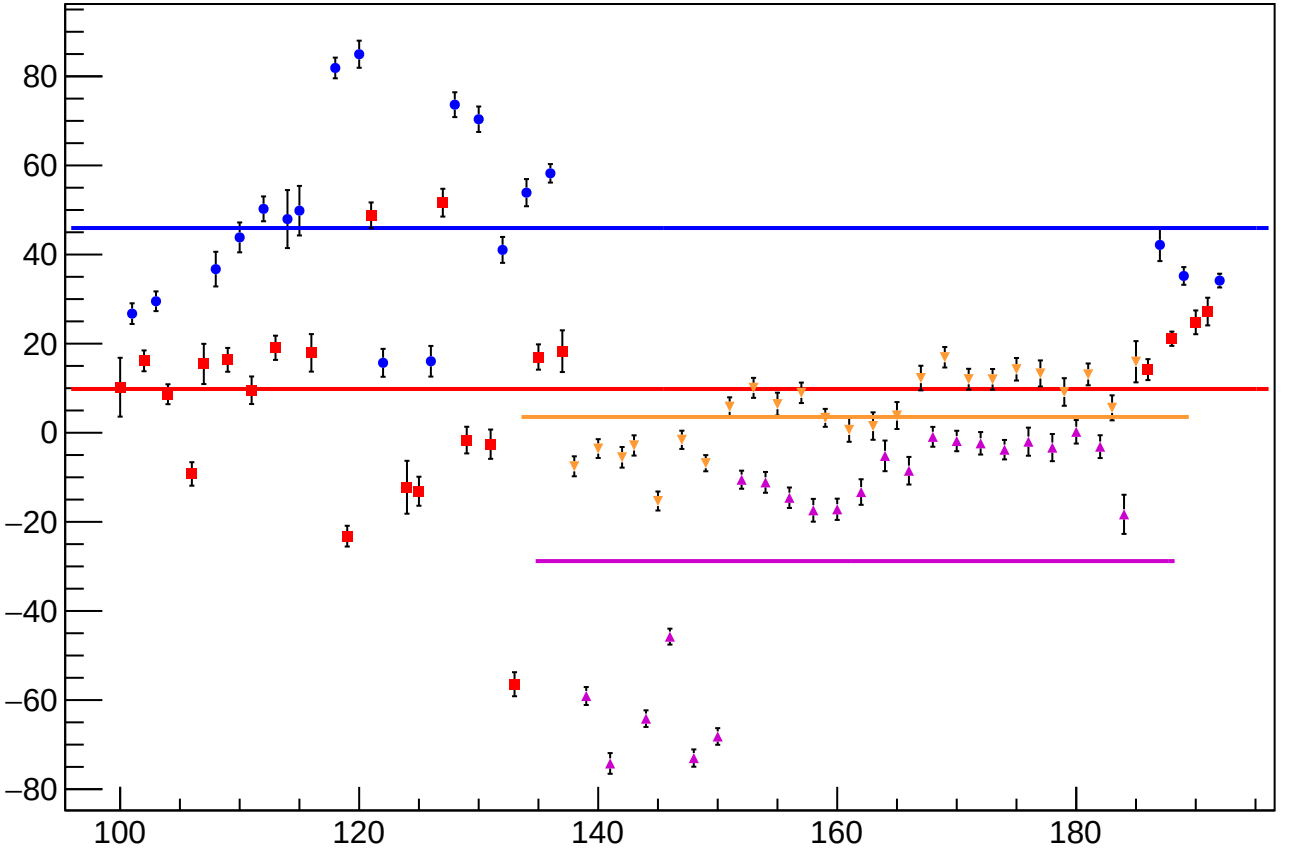
Right: 2020.197+/-0.338 χ^2/NDF: 975848.2/41

In: 2174.812+/-0.299 χ^2/NDF:1170945.5/41

Out: 2175.707+/-0.290 χ^2/NDF:1175625.5/47

All: 2175.273+/-0.208 χ^2/NDF: 2346575.6/89

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: 9.827+/-0.588 χ^2/NDF: 1467.2/22

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

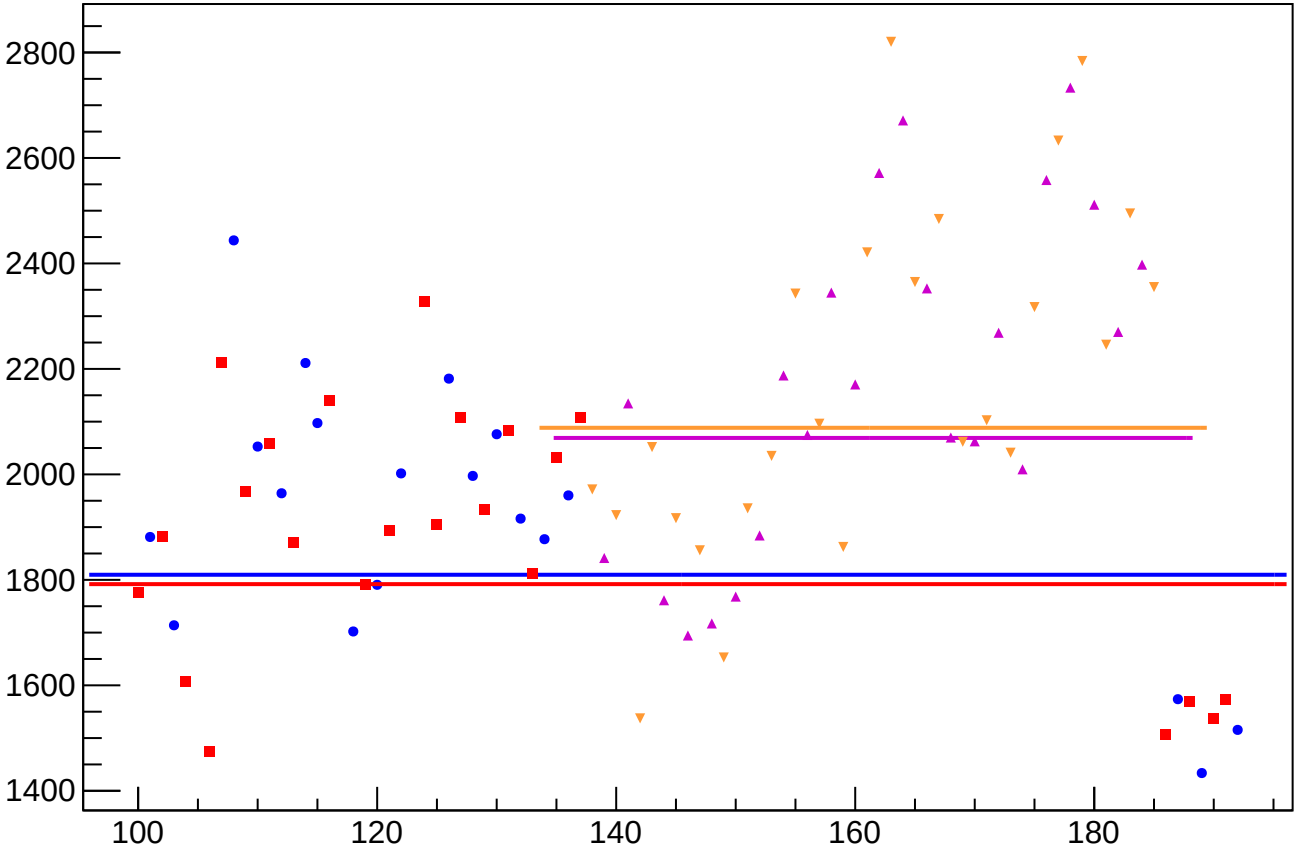
Right: 27.159+/-0.424 χ^2/NDF: 4287.5/41

In: 0.433+/-0.383 χ^2/NDF:13344.4/41

Out: 6.058+/-0.372 χ^2/NDF:1855.5/47

All: 3.327+/-0.267 χ^2/NDF: 15310.9/89

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: 1791.892+/-0.416 χ^2/NDF: 283865.3/22

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

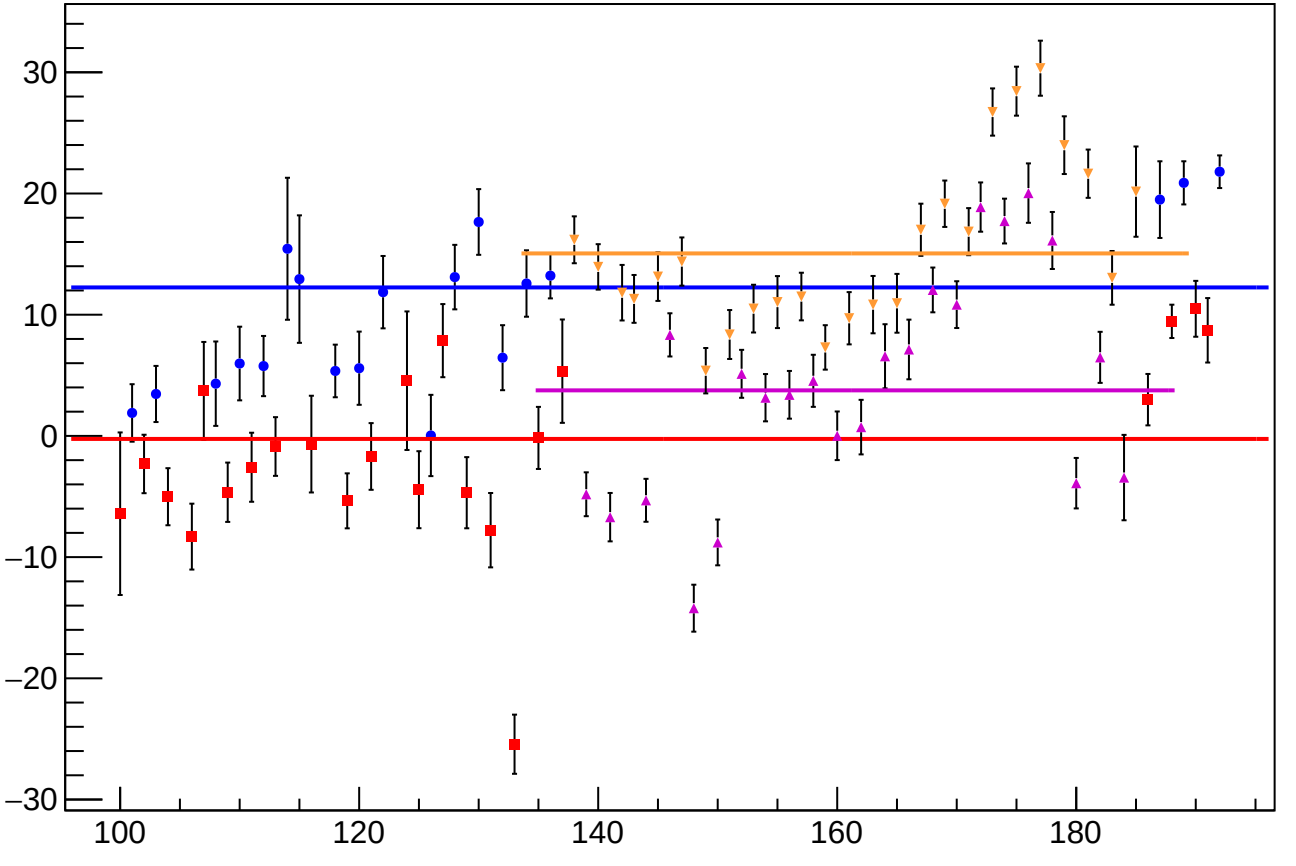
Right: 1800.424+/-0.300 χ^2/NDF: 601433.8/41

In: 1967.650+/-0.271 χ^2/NDF:1246705.4/41

Out: 1969.758+/-0.263 χ^2/NDF:1376142.8/47

All: 1968.735+/-0.189 χ^2/NDF: 2622879.4/89

diff_bpm0i01aY_mean vs Slug, Sign Corrected



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: -0.249+/-0.547 χ^2/NDF: 236.1/22

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

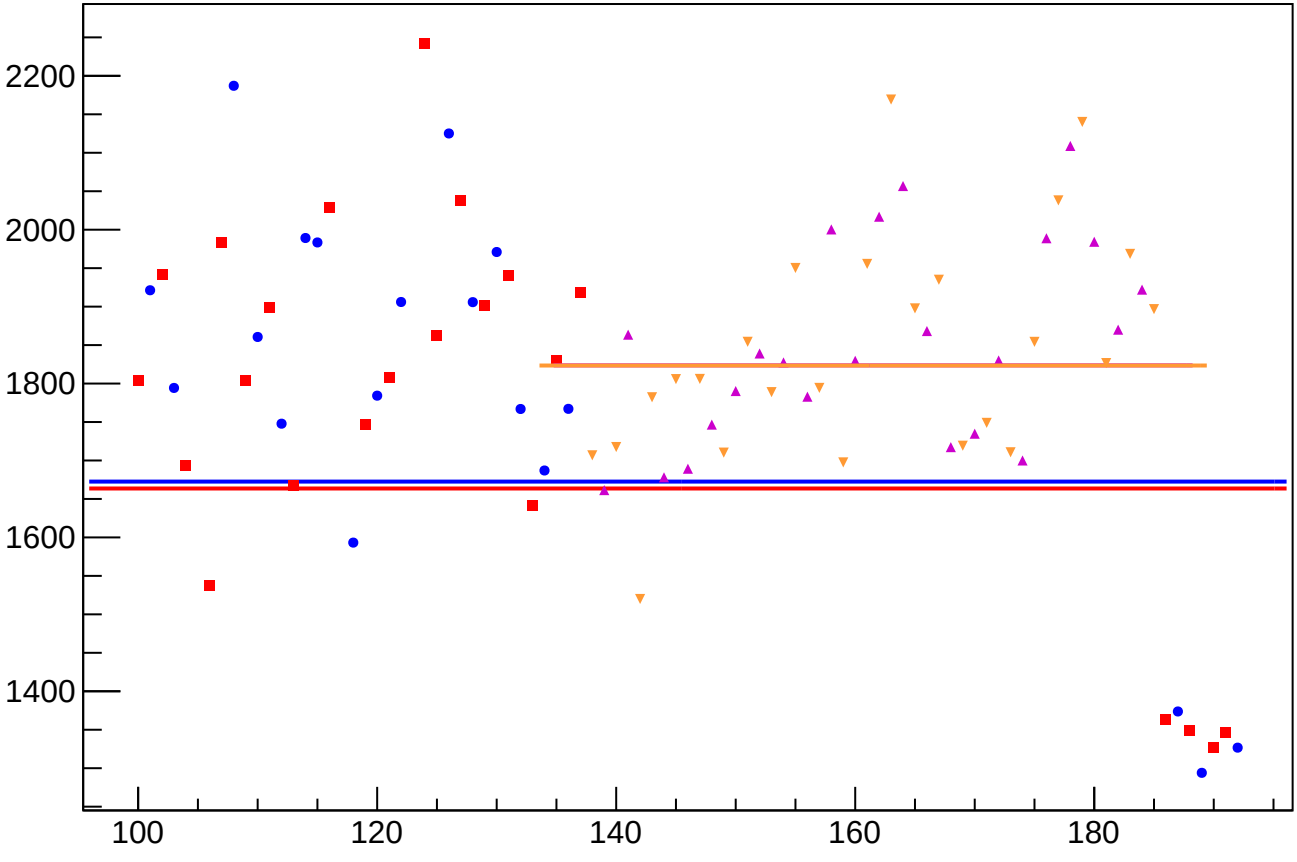
Right: 5.775+/-0.394 χ^2/NDF: 653.8/41

In: 6.836+/-0.342 χ^2/NDF:768.2/41

Out: 9.456+/-0.331 χ^2/NDF:978.3/47

All: 8.188+/-0.238 χ^2/NDF: 1776.8/89

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: 1663.588+/-0.387 χ^2/NDF: 409919.1/22

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

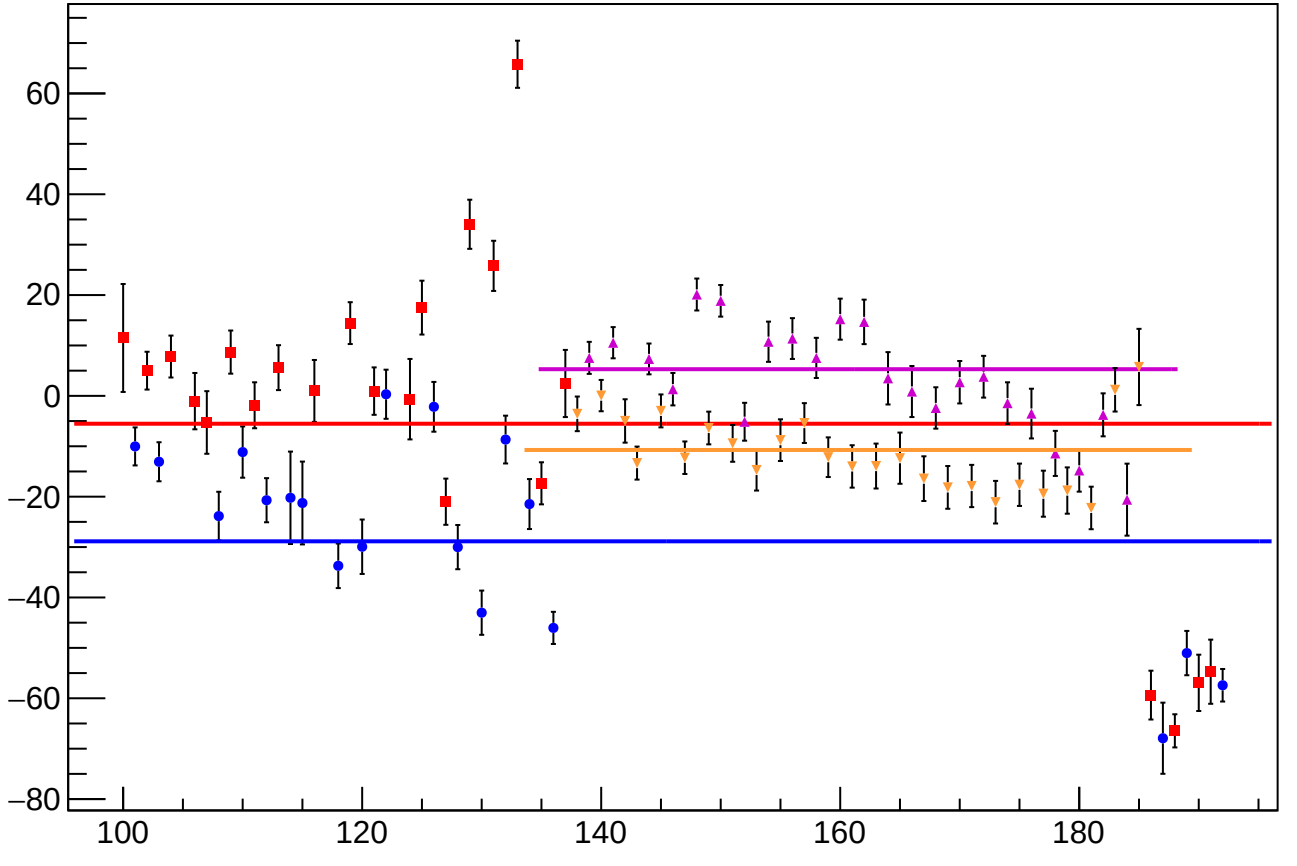
Right: 1667.918+/-0.279 χ^2/NDF: 845090.0/41

In: 1768.873+/-0.242 χ^2/NDF:689055.4/41

Out: 1764.961+/-0.234 χ^2/NDF:729418.9/47

All: 1766.856+/-0.168 χ^2/NDF: 1418609.6/89

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: -5.530+/-1.012 χ^2/NDF: 1054.7/22

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

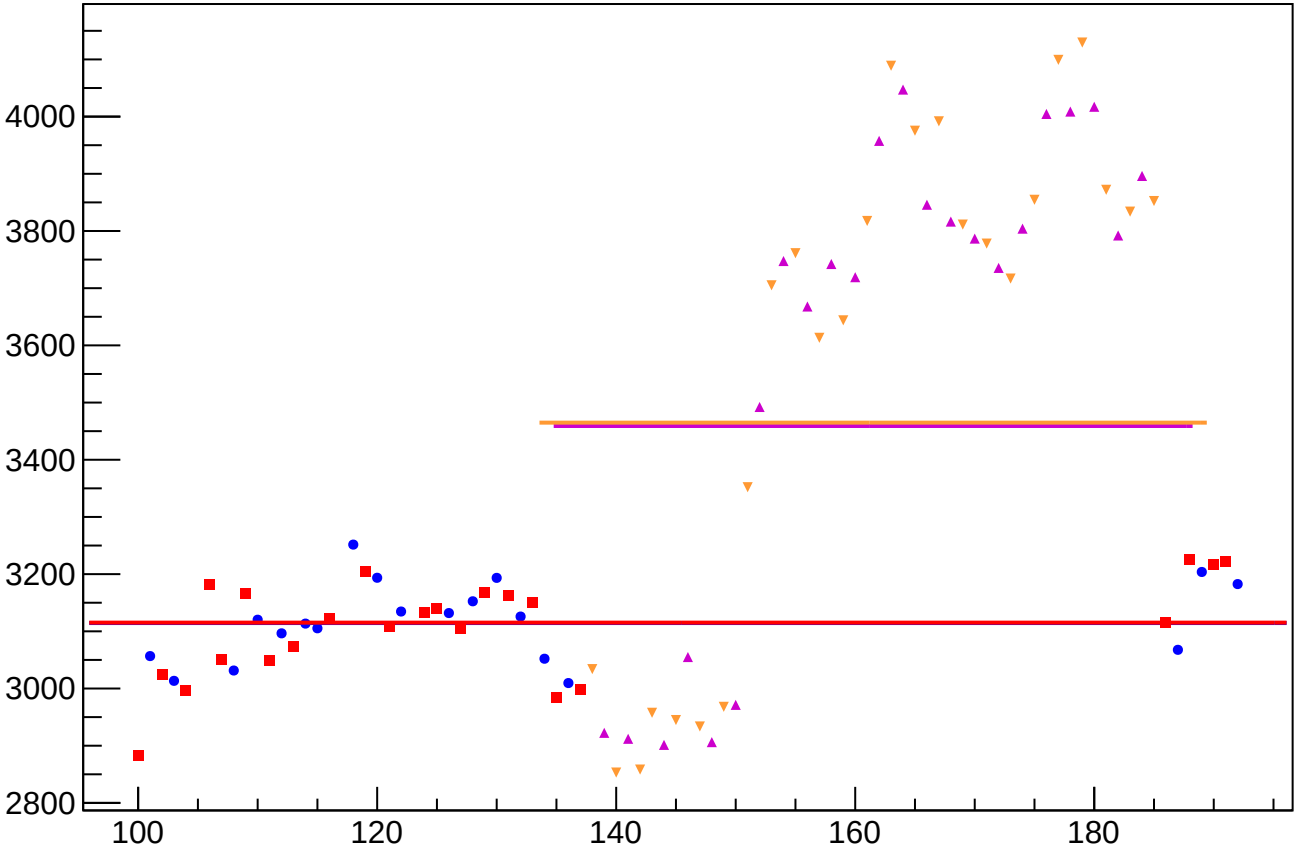
Right: -16.853+/-0.726 χ^2/NDF: 1633.1/41

In: -7.660+/-0.642 χ^2/NDF:1120.9/41

Out: -8.750+/-0.625 χ^2/NDF:1144.9/47

All: -8.220+/-0.448 χ^2/NDF: 2267.3/89

diff_bpm0l01X_rms vs Slug, Sign Corrected



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: 3115.200+/-0.715 χ^2/NDF: 12718.8/22

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

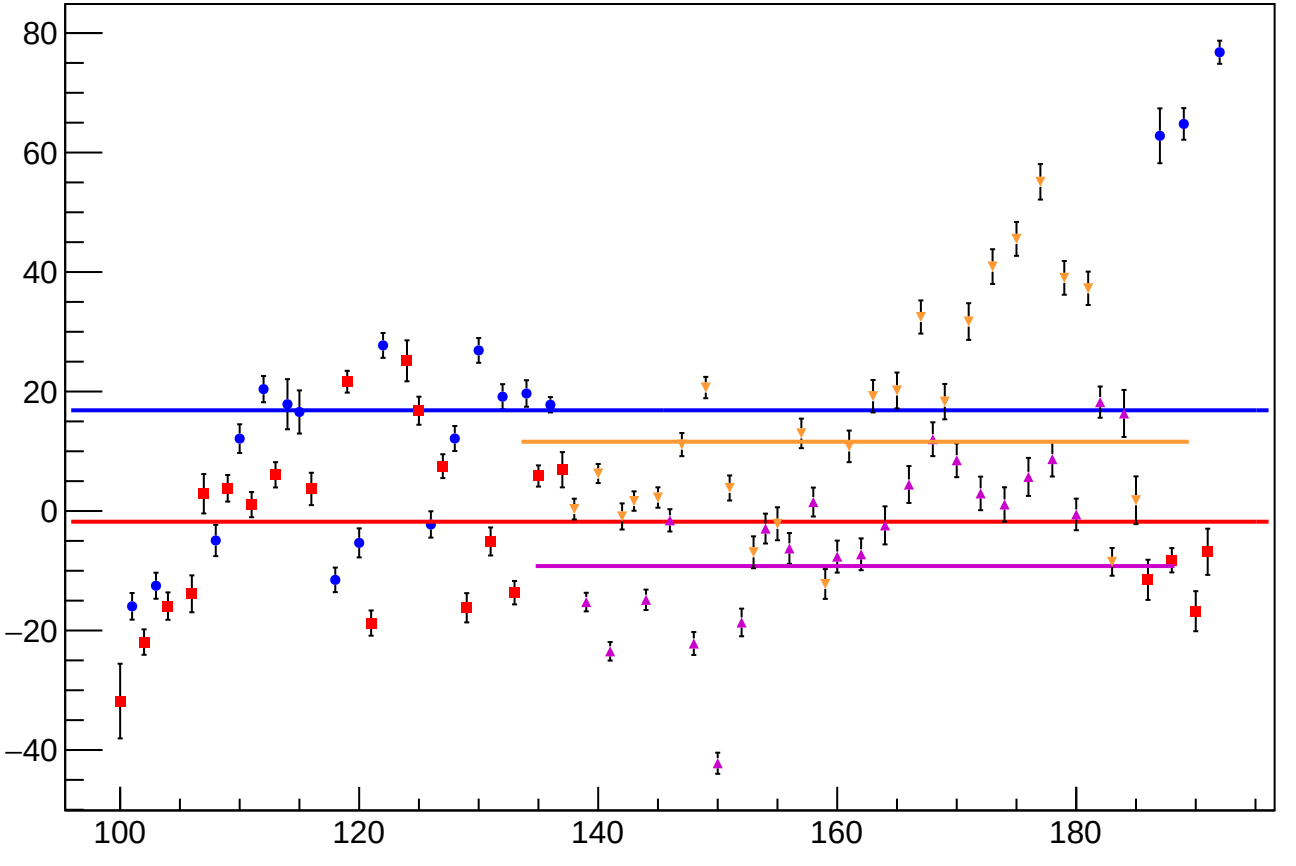
Right: 3114.855+/-0.513 χ^2/NDF: 22692.9/41

In: 3328.383+/-0.454 χ^2/NDF:729077.7/41

Out: 3331.676+/-0.442 χ^2/NDF:804618.2/47

All: 3330.074+/-0.316 χ^2/NDF: 1533722.9/89

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: -1.787+/-0.500 χ^2/NDF: 710.7/22

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

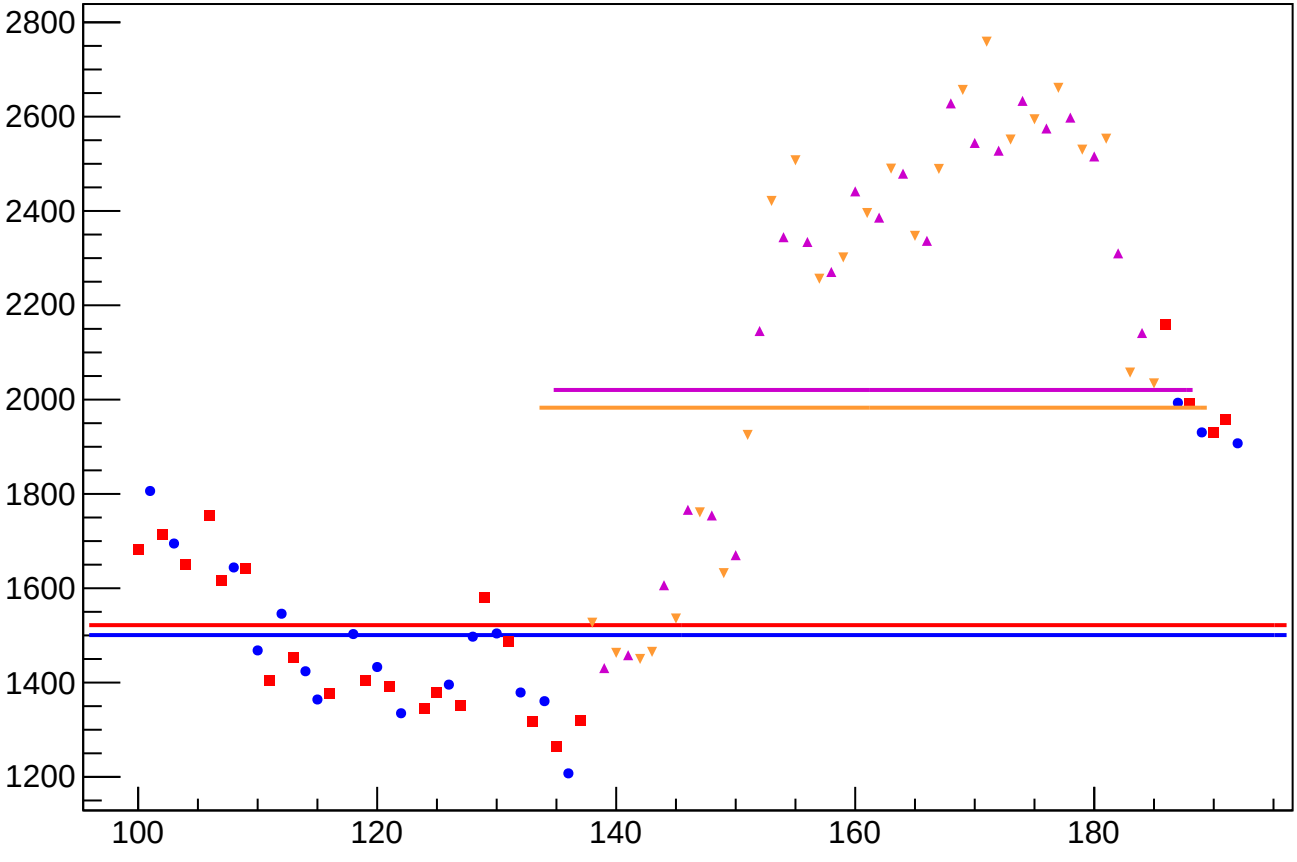
Right: 7.390+/-0.357 χ^2/NDF: 3659.7/41

In: 3.177+/-0.350 χ^2/NDF:4586.5/41

Out: 5.420+/-0.340 χ^2/NDF:2292.8/47

All: 4.333+/-0.244 χ^2/NDF: 6900.4/89

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: 1521.778+/-0.354 χ^2/NDF: 408918.7/22

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

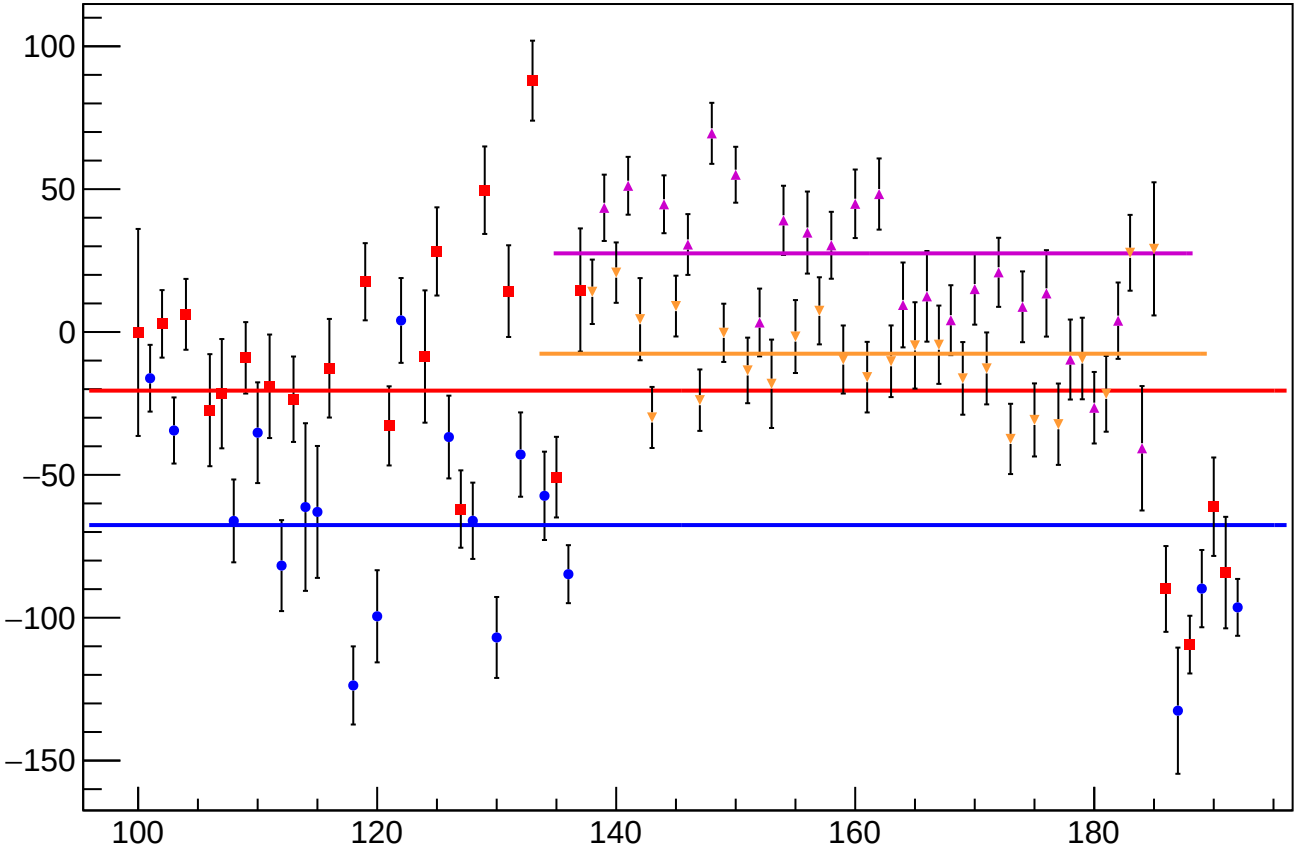
Right: 1511.411+/-0.252 χ^2/NDF: 776365.1/41

In: 1773.456+/-0.248 χ^2/NDF:3077369.3/41

Out: 1770.035+/-0.240 χ^2/NDF:3300538.3/47

All: 1771.693+/-0.173 χ^2/NDF: 6378005.7/89

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: -20.514+/-3.164 χ^2/NDF: 246.5/22

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

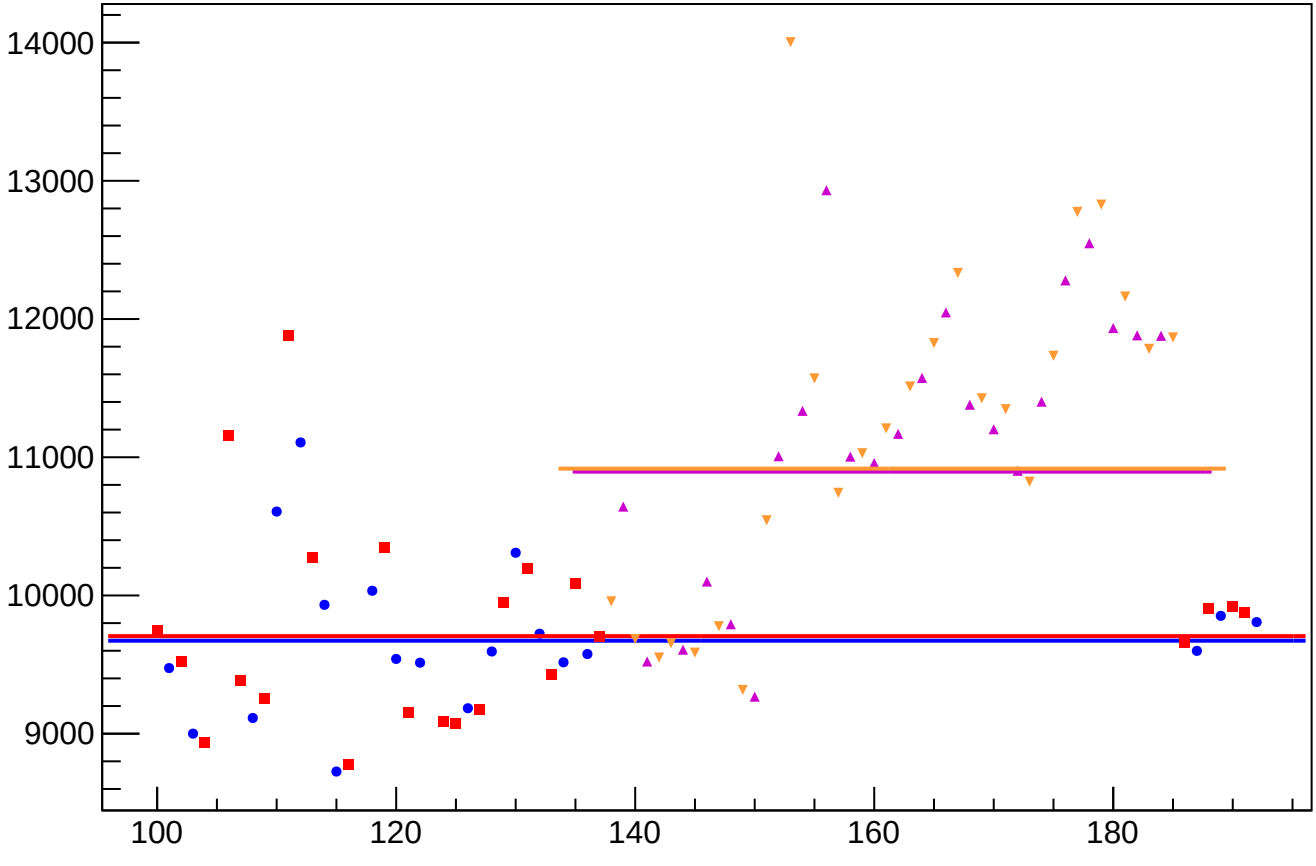
Right: -43.443+/-2.265 χ^2/NDF: 468.2/41

In: -8.885+/-2.008 χ^2/NDF:736.8/41

Out: -12.548+/-1.959 χ^2/NDF:304.7/47

All: -10.762+/-1.402 χ^2/NDF: 1043.2/89

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: 9705.803+/-2.237 χ^2/NDF: 81361.3/22

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

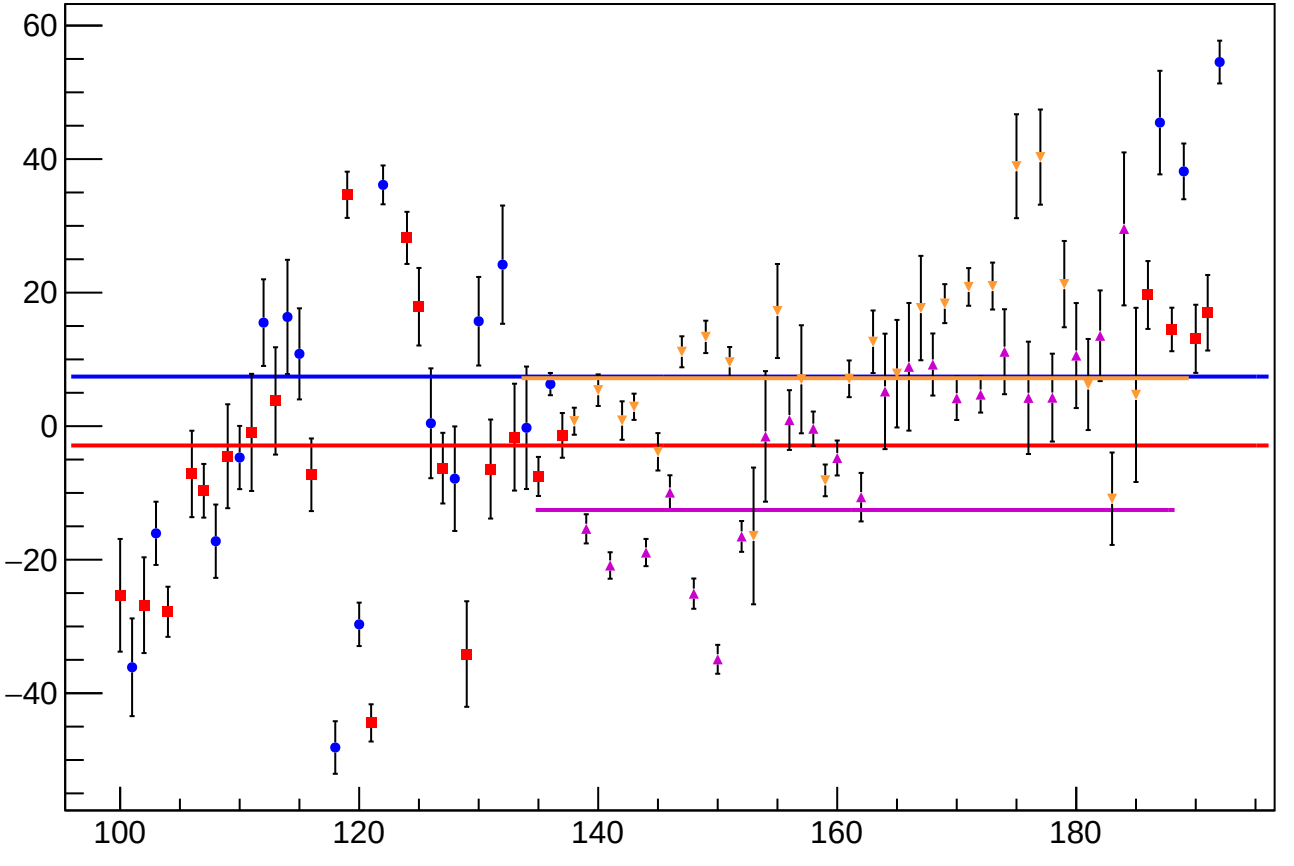
Right: 9689.698+/-1.602 χ^2/NDF: 126436.0/41

In: 10427.629+/-1.420 χ^2/NDF:518351.5/41

Out: 10453.004+/-1.385 χ^2/NDF:688137.6/47

All: 10440.631+/-0.992 χ^2/NDF: 1206652.8/8

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: -2.893+/-0.967 χ^2/NDF: 572.0/22

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

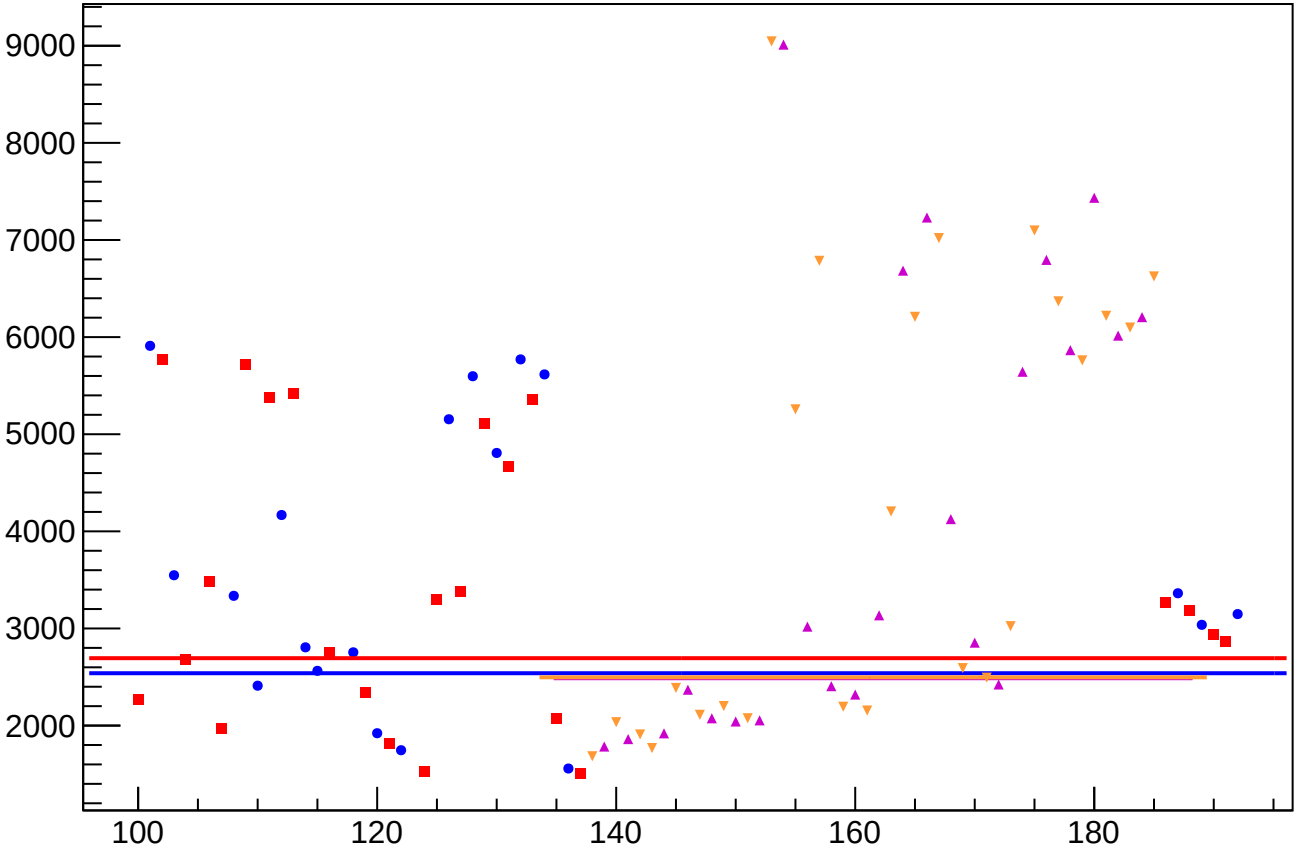
Right: 2.307+/-0.681 χ^2/NDF: 1450.9/41

In: -6.127+/-0.544 χ^2/NDF:1487.9/41

Out: 4.023+/-0.541 χ^2/NDF:848.3/47

All: -1.028+/-0.384 χ^2/NDF: 2511.0/89

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: 2694.048+/-0.684 χ^2/NDF: 2608231.6/22

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

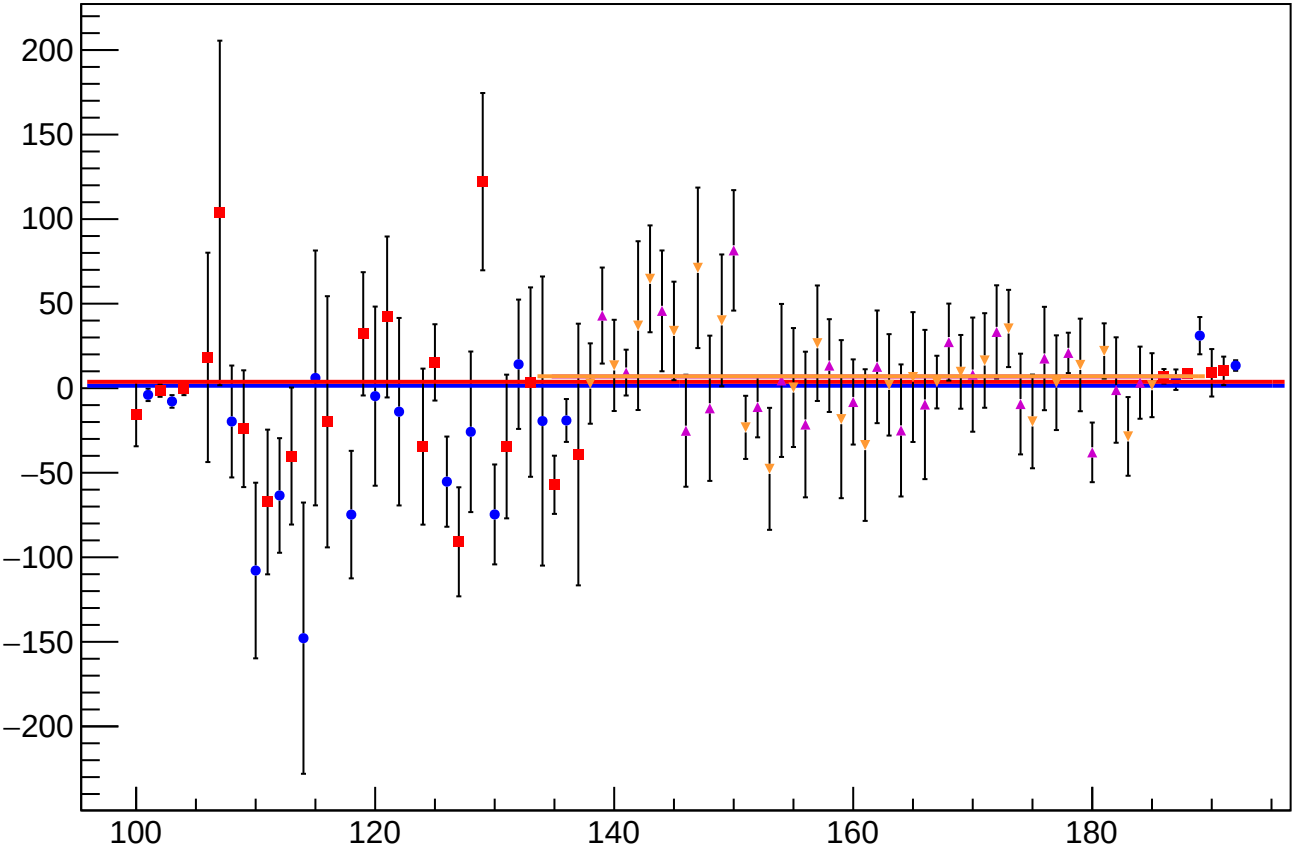
Right: 2615.987+/-0.482 χ^2/NDF: 5595308.4/41

In: 2504.249+/-0.385 χ^2/NDF:9068555.5/41

Out: 2558.681+/-0.383 χ^2/NDF:9871198.5/47

All: 2531.594+/-0.271 χ^2/NDF: 18949811.4/8

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: 1.461+/-1.831 χ^2/NDF: 61.0/18

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 3.780+/-1.703 χ^2/NDF: 43.6/22

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

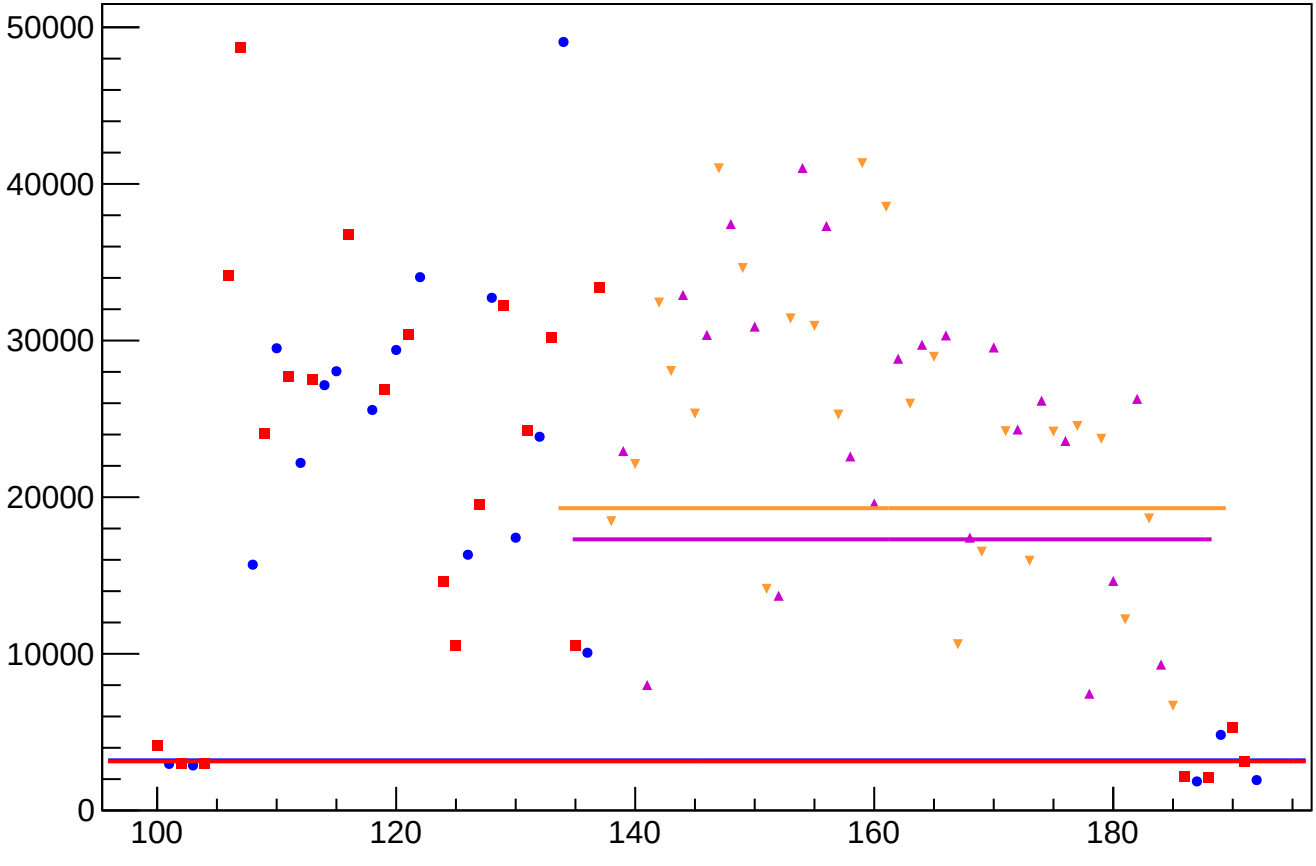
Right: 2.704+/-1.247 χ^2/NDF: 105.5/41

In: 2.089+/-1.723 χ^2/NDF:83.1/41

Out: 4.095+/-1.619 χ^2/NDF:63.5/47

All: 3.154+/-1.180 χ^2/NDF: 147.4/89

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: 3135.292+/-1.204 χ^2/NDF: 8476662.5/22

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

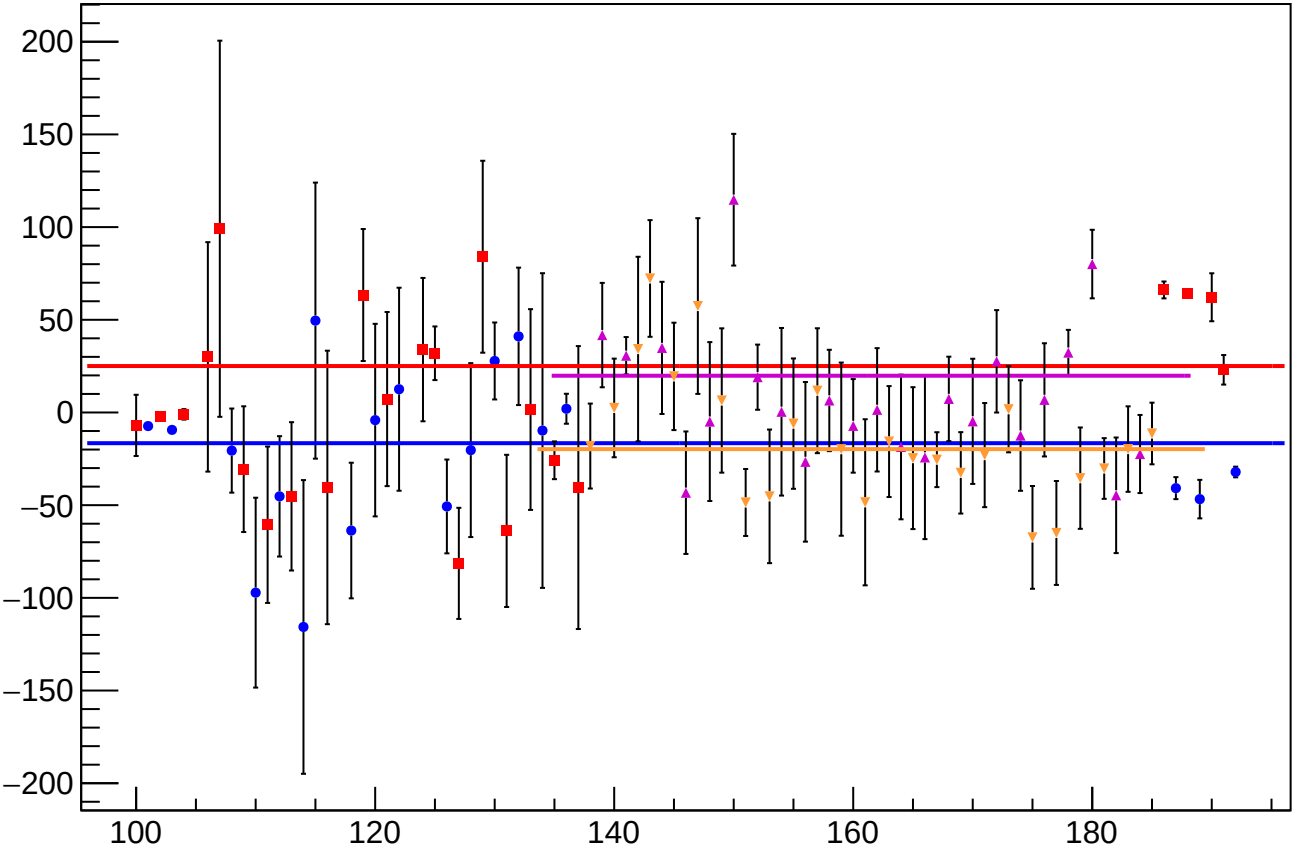
Right: 3163.459+/-0.882 χ^2/NDF: 16069395.7/41

In: 4813.256+/-1.218 χ^2/NDF:27922768.5/41

Out: 4686.327+/-1.145 χ^2/NDF:30801227.5/47

All: 4745.850+/-0.834 χ^2/NDF: 58729758.5/8

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: 25.047+/-1.377 χ^2/NDF: 584.8/22

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

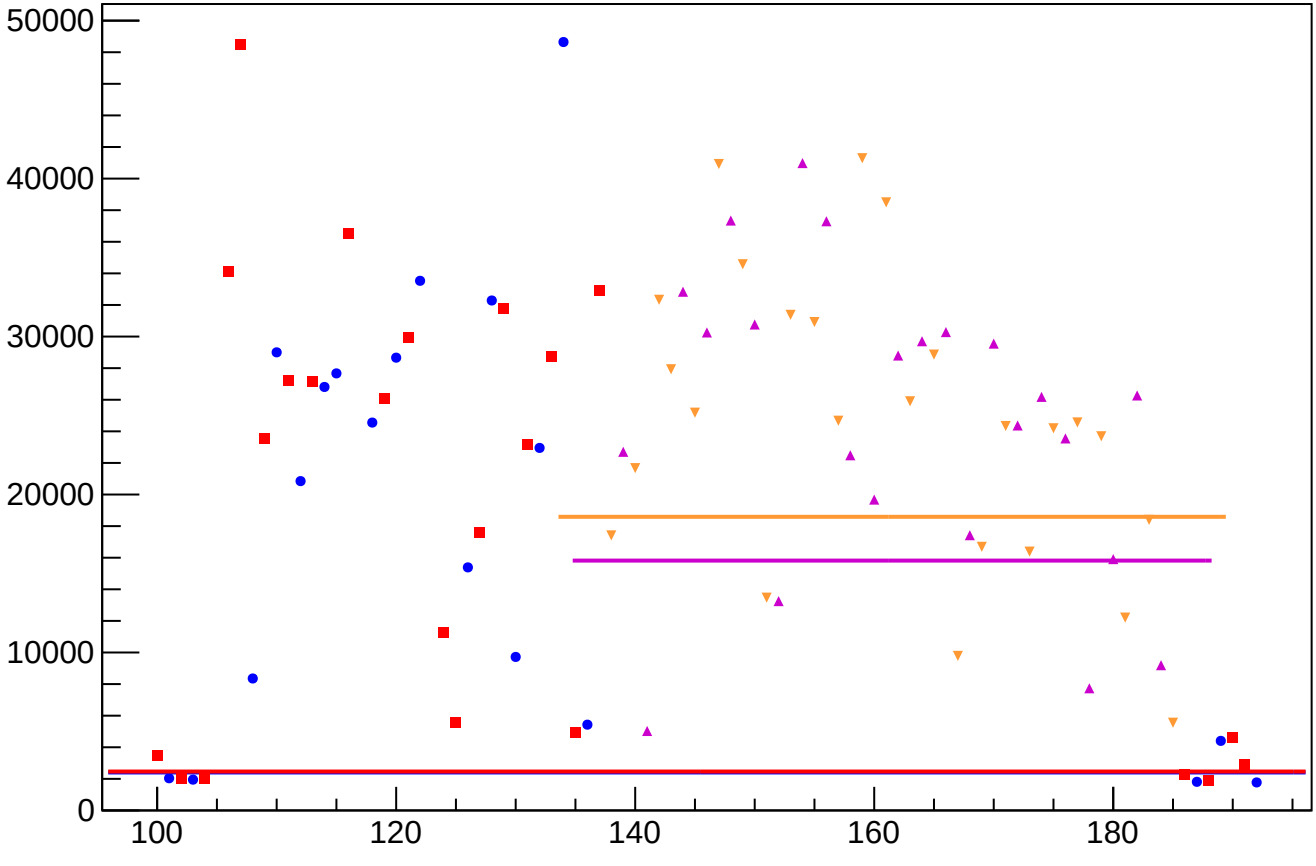
Right: 4.872+/-0.988 χ^2/NDF: 1125.3/41

In: -13.691+/-1.362 χ^2/NDF:189.7/41

Out: 22.022+/-1.329 χ^2/NDF:684.1/47

All: 4.596+/-0.951 χ^2/NDF: 1226.0/89

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: 2464.026+/-0.973 χ^2/NDF: 8201221.5/22

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

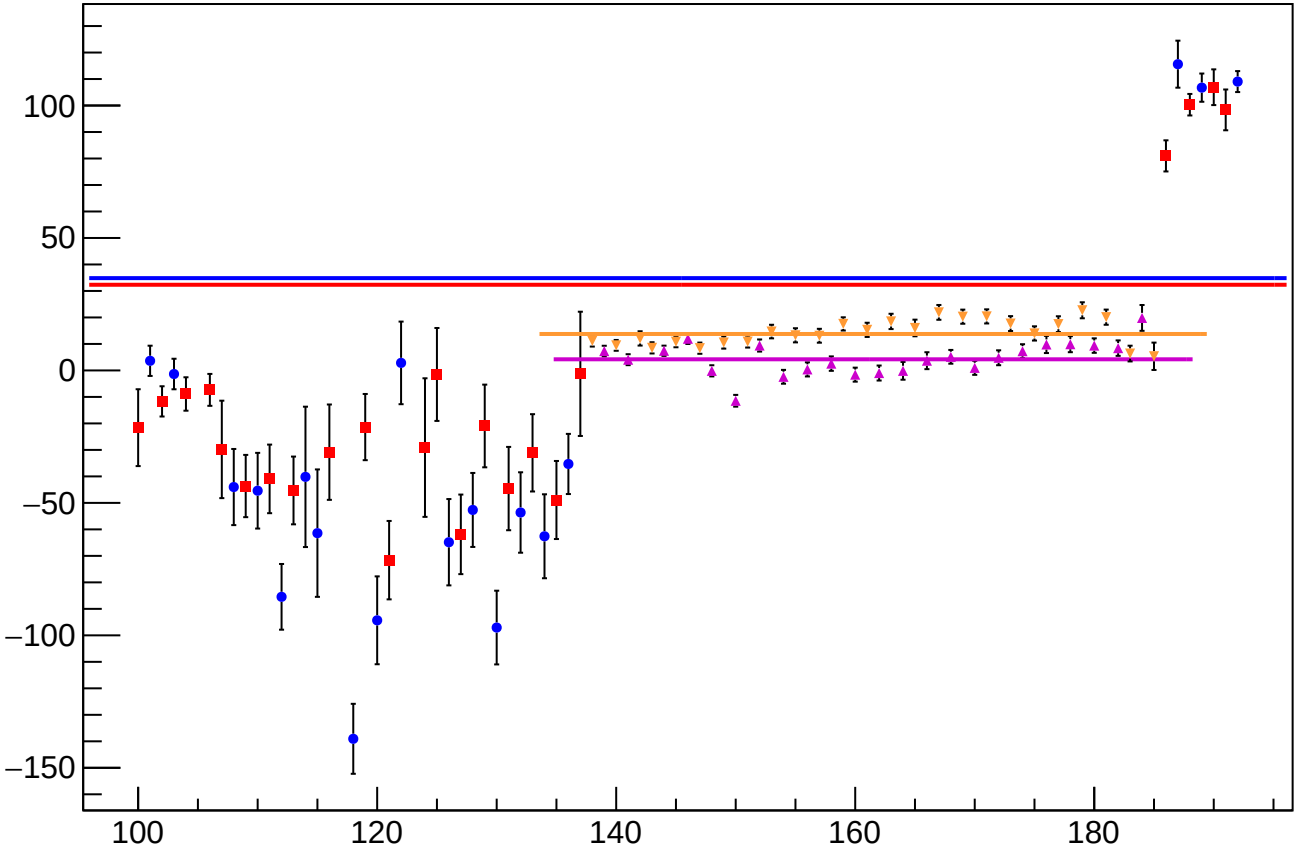
Right: 2435.576+/-0.699 χ^2/NDF: 15207383.0/41

In: 3464.823+/-0.963 χ^2/NDF:29523889.0/41

Out: 3552.547+/-0.940 χ^2/NDF:32422393.7/47

All: 3509.744+/-0.673 χ^2/NDF: 61950532.0/8

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: 32.341+/-1.885 χ^2/NDF: 1041.4/22

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

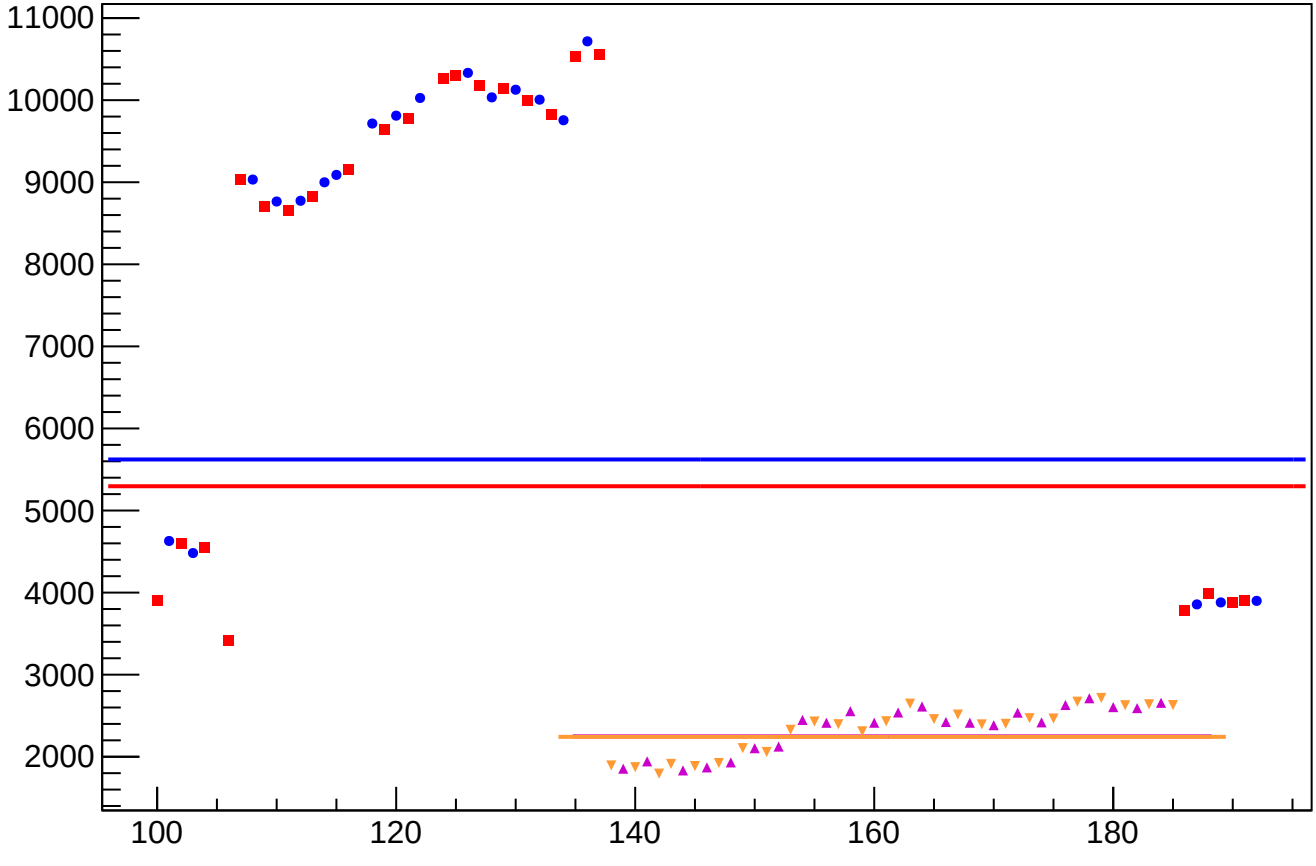
Right: 33.482+/-1.391 χ^2/NDF: 2422.7/41

In: 6.105+/-0.513 χ^2/NDF:1711.9/41

Out: 15.046+/-0.496 χ^2/NDF:1209.0/47

All: 10.730+/-0.357 χ^2/NDF: 3077.9/89

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: 5295.899+/-1.333 χ^2/NDF: 3184986.8/22

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

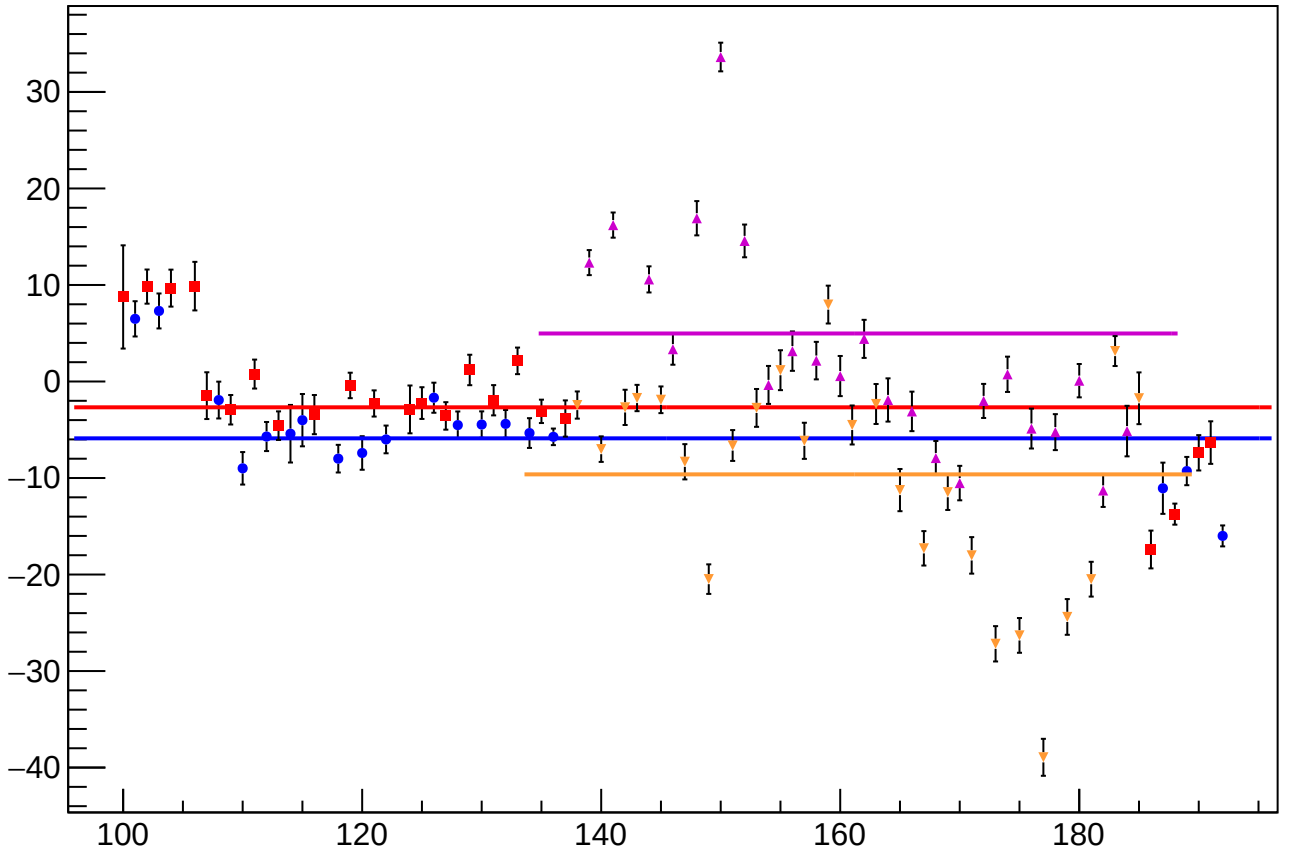
Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

Right: 5444.595+/-0.983 χ^2/NDF: 6197149.0/41

In: 2458.065+/-0.363 χ^2/NDF:8657532.1/41

Out: 2453.570+/-0.351 χ^2/NDF:8725678.3/47

All: 2455.740+/-0.252 χ^2/NDF: 17383289.7/8



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: -2.675+/-0.341 χ^2/NDF: 319.7/22

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

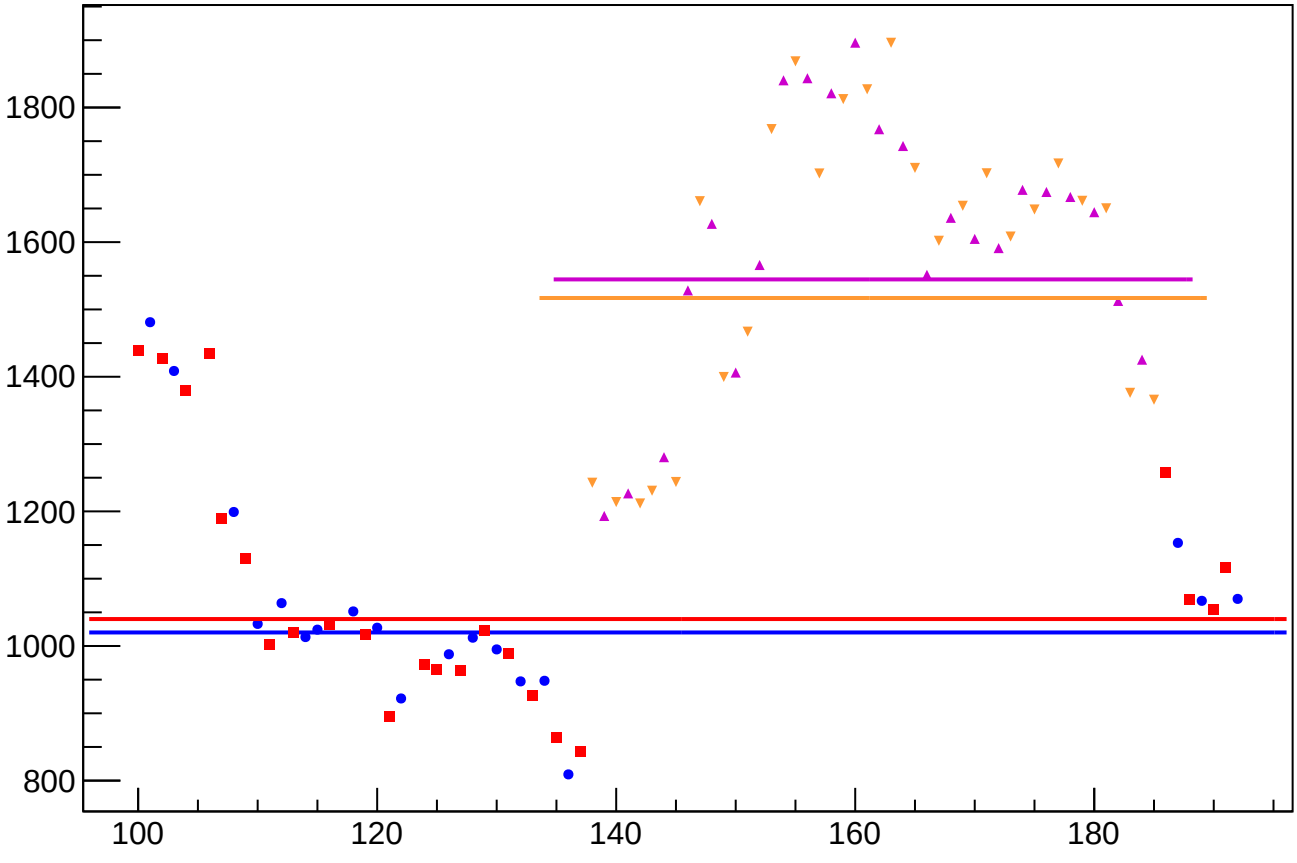
Right: -4.264+/-0.243 χ^2/NDF: 580.2/41

In: -0.754+/-0.251 χ^2/NDF:1614.5/41

Out: -6.071+/-0.244 χ^2/NDF:1456.4/47

All: -3.483+/-0.175 χ^2/NDF: 3301.8/89

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: 1040.034+/-0.241 χ^2/NDF: 377712.2/22

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

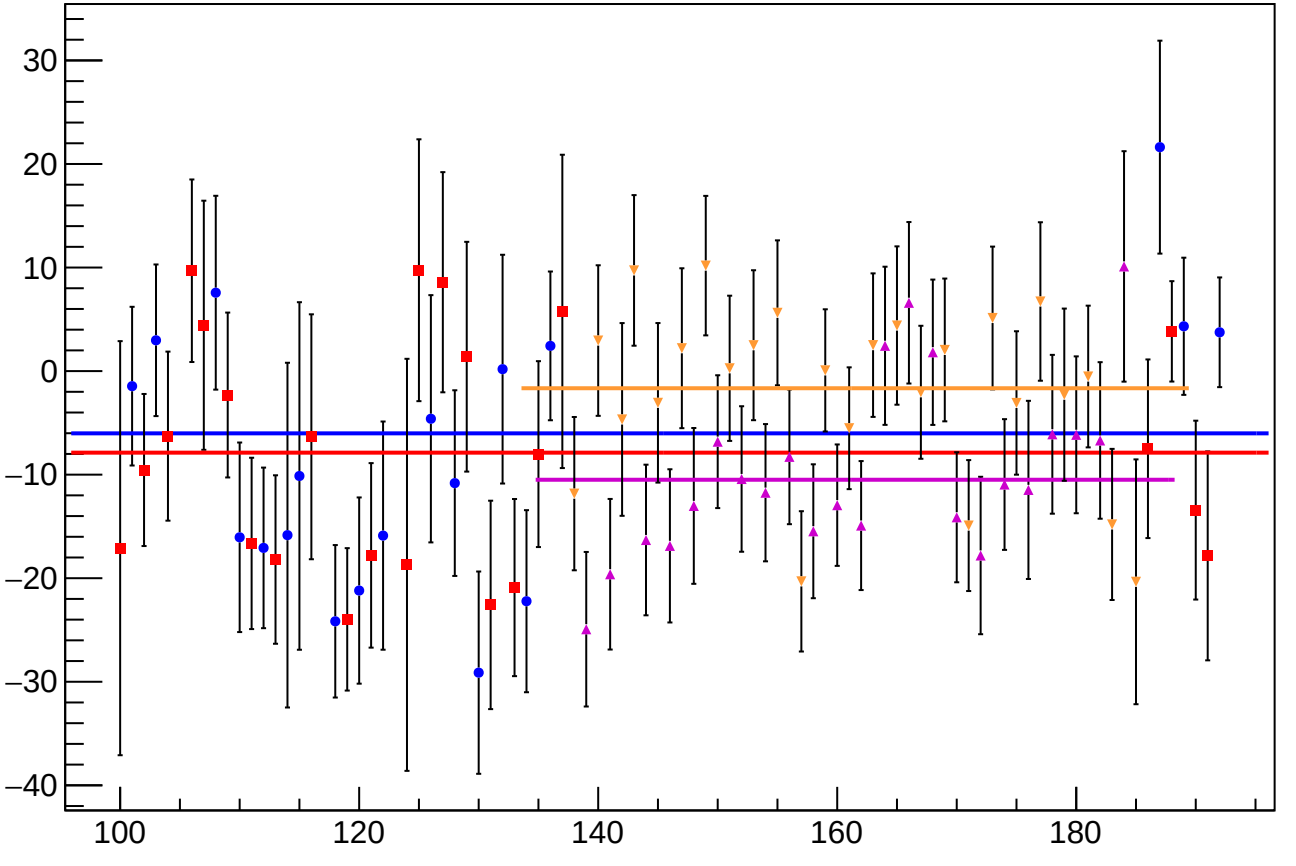
Right: 1030.179+/-0.172 χ^2/NDF: 773223.4/41

In: 1268.042+/-0.177 χ^2/NDF:3213236.0/41

Out: 1273.198+/-0.173 χ^2/NDF:3119091.8/47

All: 1270.689+/-0.124 χ^2/NDF: 6332762.0/89

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: -7.876+/-1.865 χ^2/NDF: 33.1/22

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

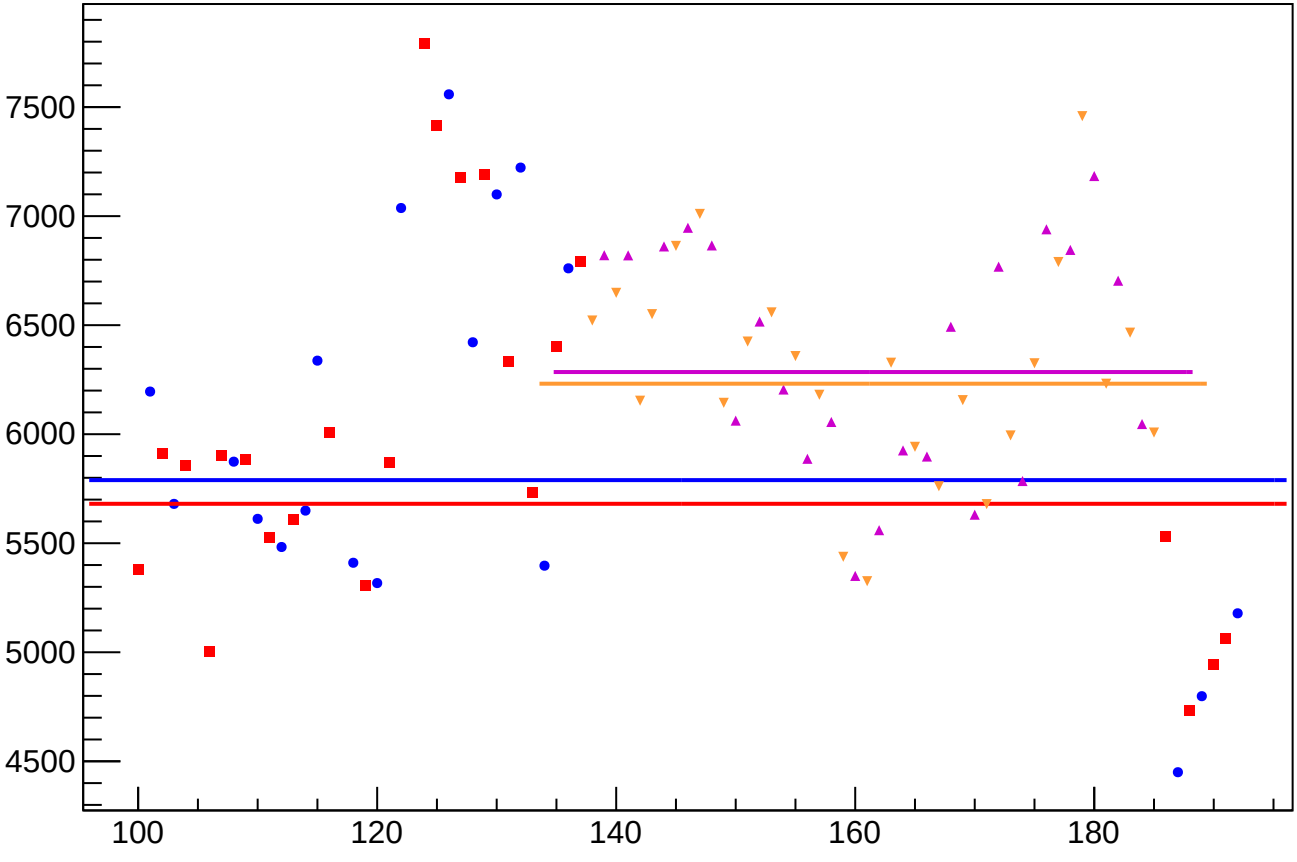
Right: -6.990+/-1.351 χ^2/NDF: 75.0/41

In: -8.866+/-1.181 χ^2/NDF:69.7/41

Out: -3.951+/-1.133 χ^2/NDF:71.6/47

All: -6.306+/-0.818 χ^2/NDF: 150.3/89

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: 5680.816+/-1.319 χ^2/NDF: 294457.8/22

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

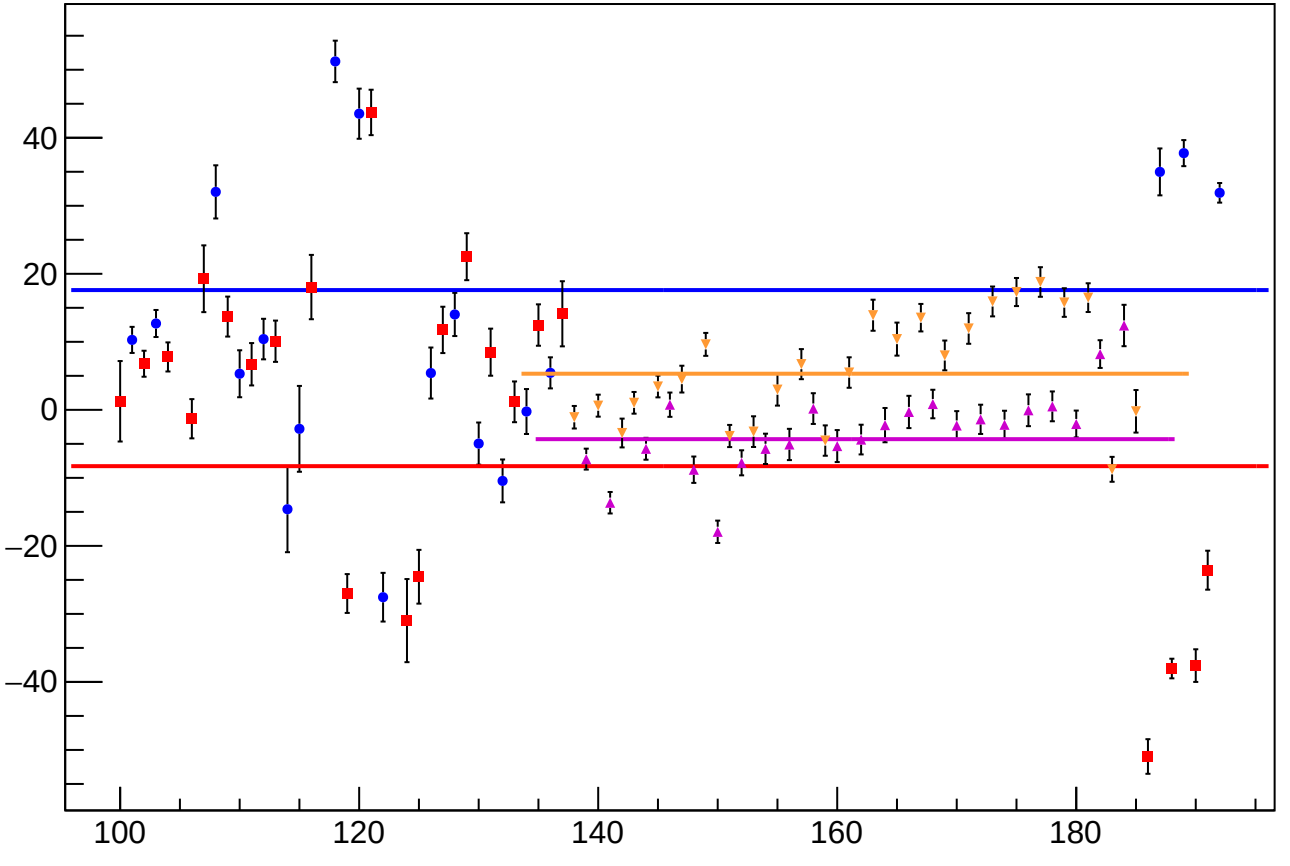
Right: 5732.411+/-0.955 χ^2/NDF: 615909.2/41

In: 6105.144+/-0.835 χ^2/NDF:665049.4/41

Out: 6028.289+/-0.801 χ^2/NDF:631488.0/47

All: 6065.119+/-0.578 χ^2/NDF: 1300948.2/89

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: -8.279+/-0.597 χ^2/NDF: 1722.2/22

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

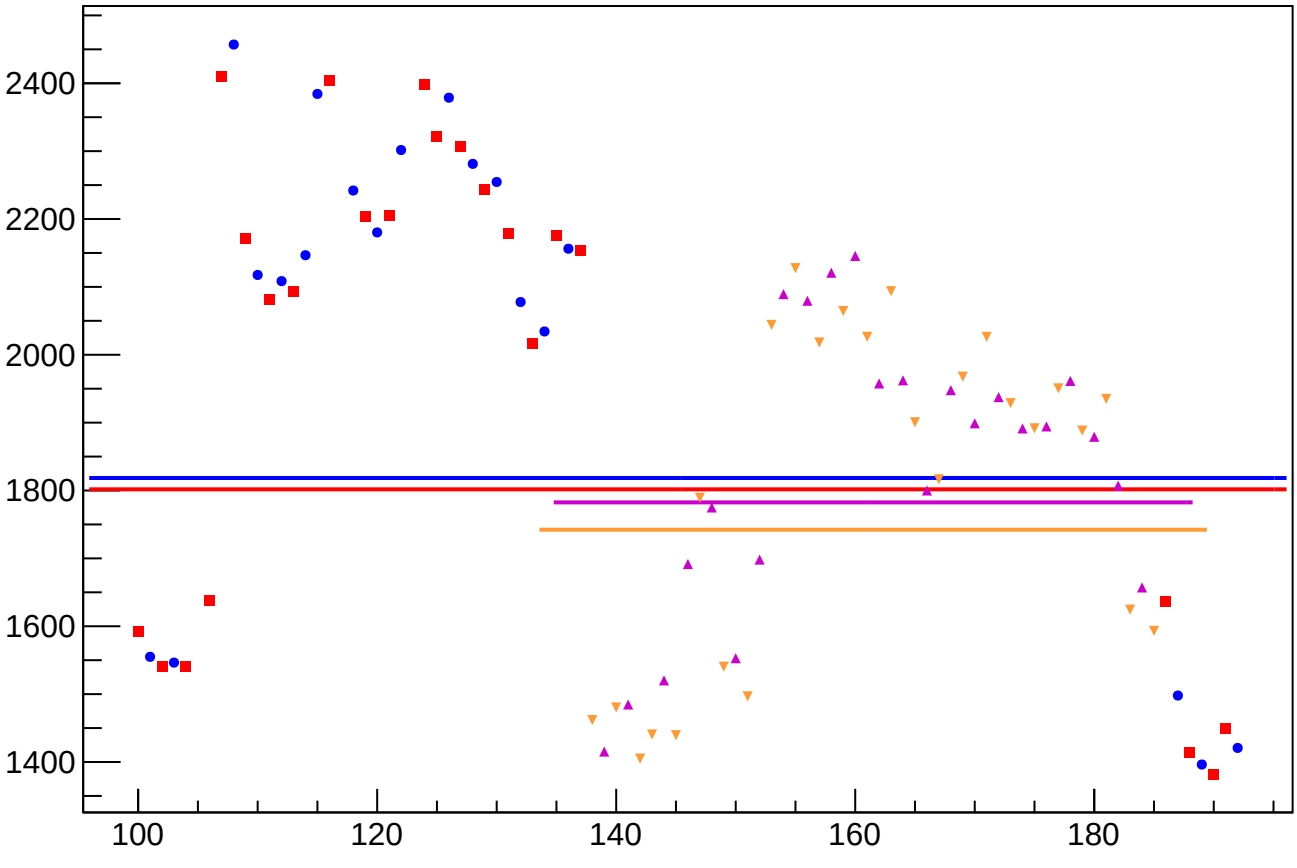
Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

Right: 4.152+/-0.430 χ^2/NDF: 3480.2/41

In: 2.569+/-0.348 χ^2/NDF:1930.0/41

Out: 1.096+/-0.333 χ^2/NDF:2457.8/47

All: 1.799+/-0.240 χ^2/NDF: 4397.1/89



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: 1801.742+/-0.422 χ^2/NDF: 724818.1/22

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

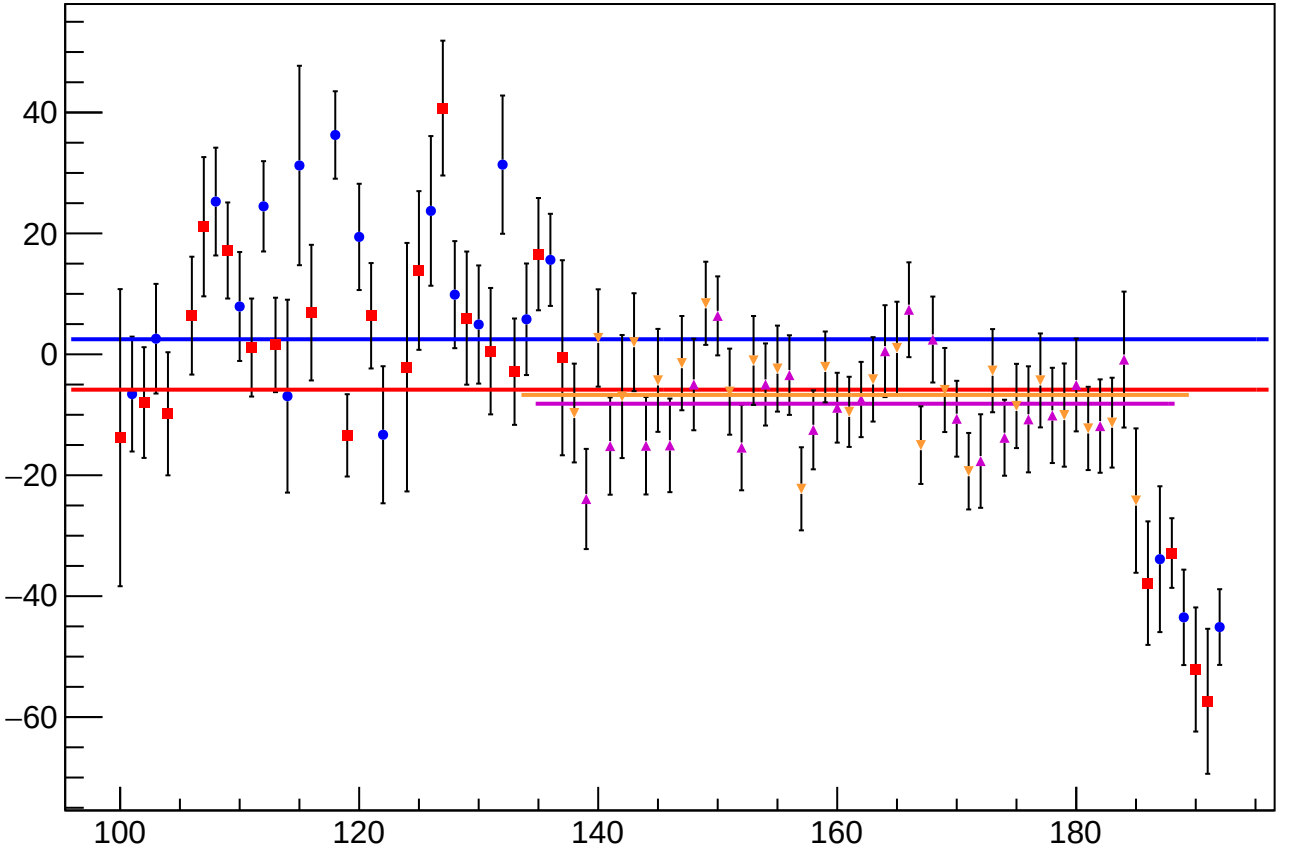
Right: 1809.762+/-0.304 χ^2/NDF: 1462869.5/41

In: 1793.782+/-0.246 χ^2/NDF:1276269.2/41

Out: 1760.681+/-0.235 χ^2/NDF:1506196.4/47

All: 1776.480+/-0.170 χ^2/NDF: 2791925.2/89

diff_bpm0l06X_mean vs Slug, Sign Corrected



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: -5.846+/-2.002 χ^2/NDF: 119.8/22

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

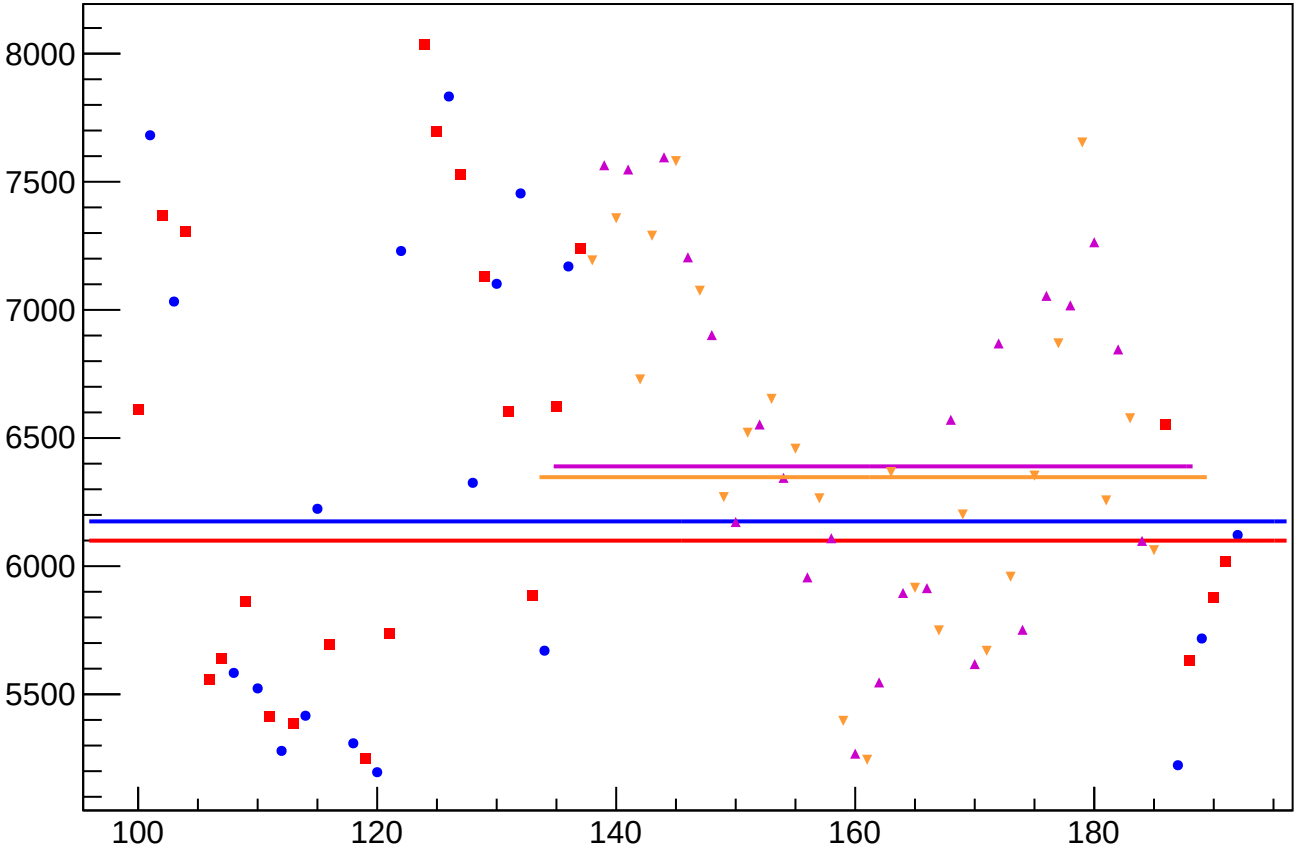
Right: -1.862+/-1.446 χ^2/NDF: 289.5/41

In: -4.520+/-1.224 χ^2/NDF:202.6/41

Out: -6.413+/-1.178 χ^2/NDF:145.6/47

All: -5.503+/-0.849 χ^2/NDF: 349.5/89

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: 6099.633+/-1.415 χ^2/NDF: 284861.5/22

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

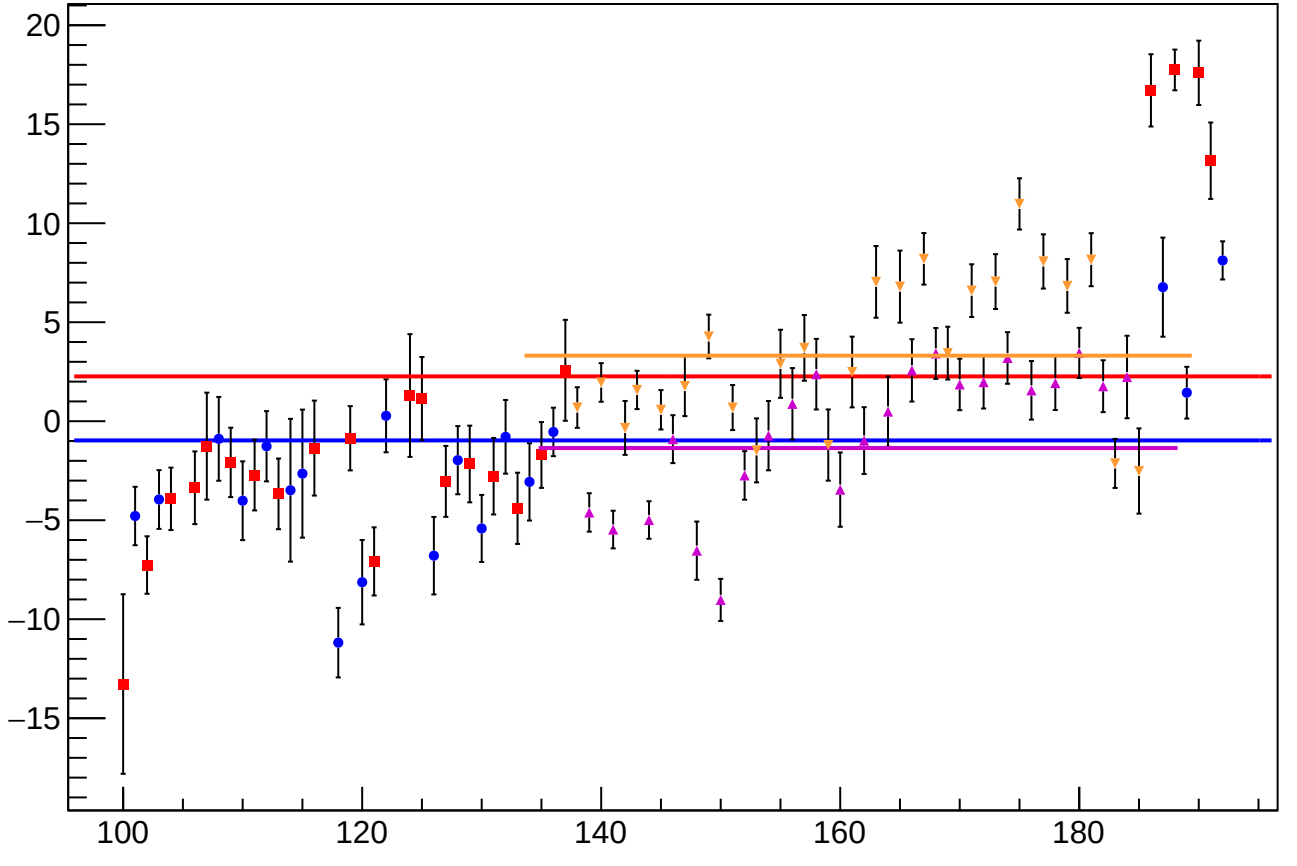
Right: 6135.512+/-1.023 χ^2/NDF: 616696.6/41

In: 6315.916+/-0.866 χ^2/NDF:764090.8/41

Out: 6261.457+/-0.833 χ^2/NDF:690892.1/47

All: 6287.642+/-0.600 χ^2/NDF: 1457036.8/89

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: 2.264+/-0.375 χ^2/NDF: 592.3/22

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

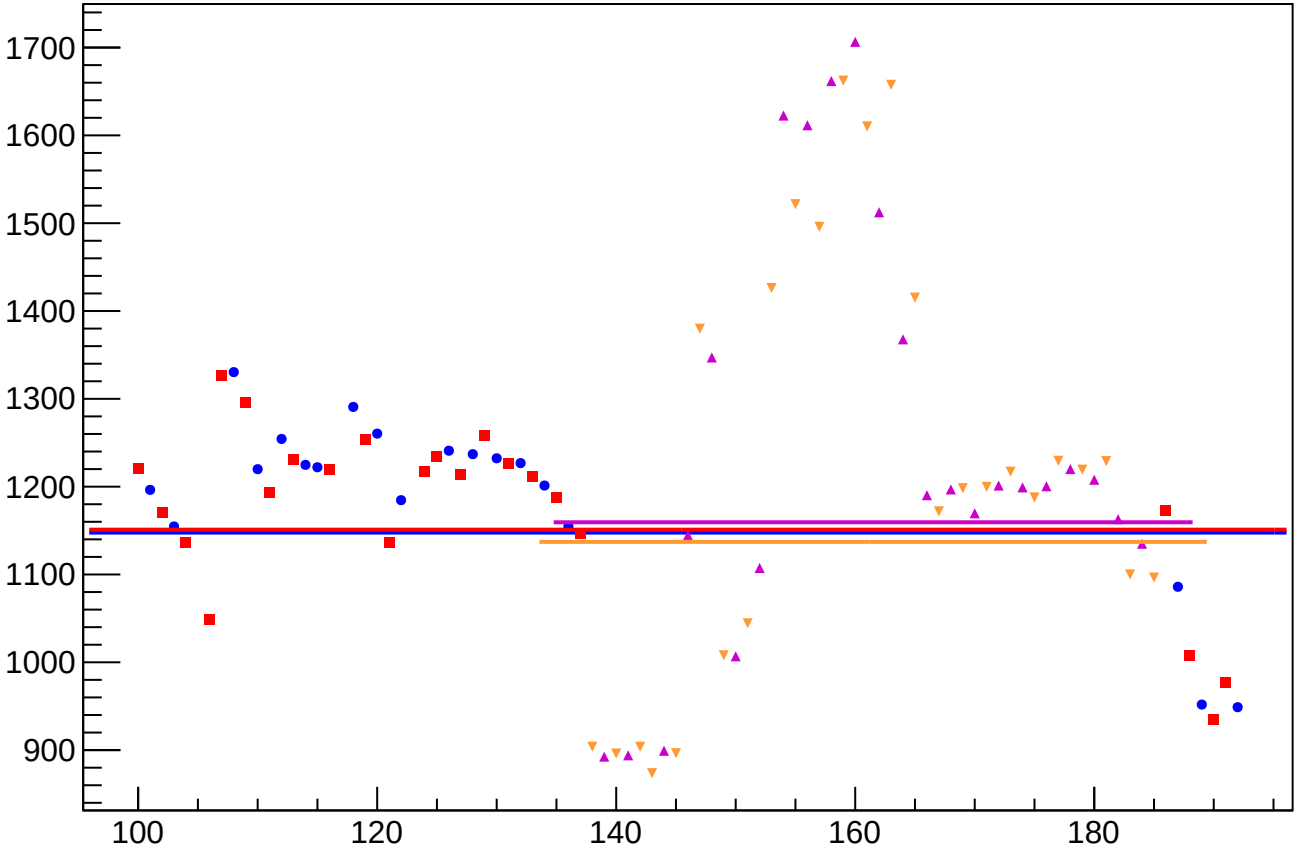
Right: 0.693+/-0.269 χ^2/NDF: 807.3/41

In: -1.224+/-0.225 χ^2/NDF:375.8/41

Out: 2.964+/-0.216 χ^2/NDF:775.4/47

All: 0.952+/-0.156 χ^2/NDF: 1331.5/89

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: 1151.020+/-0.265 χ^2/NDF: 153768.5/22

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

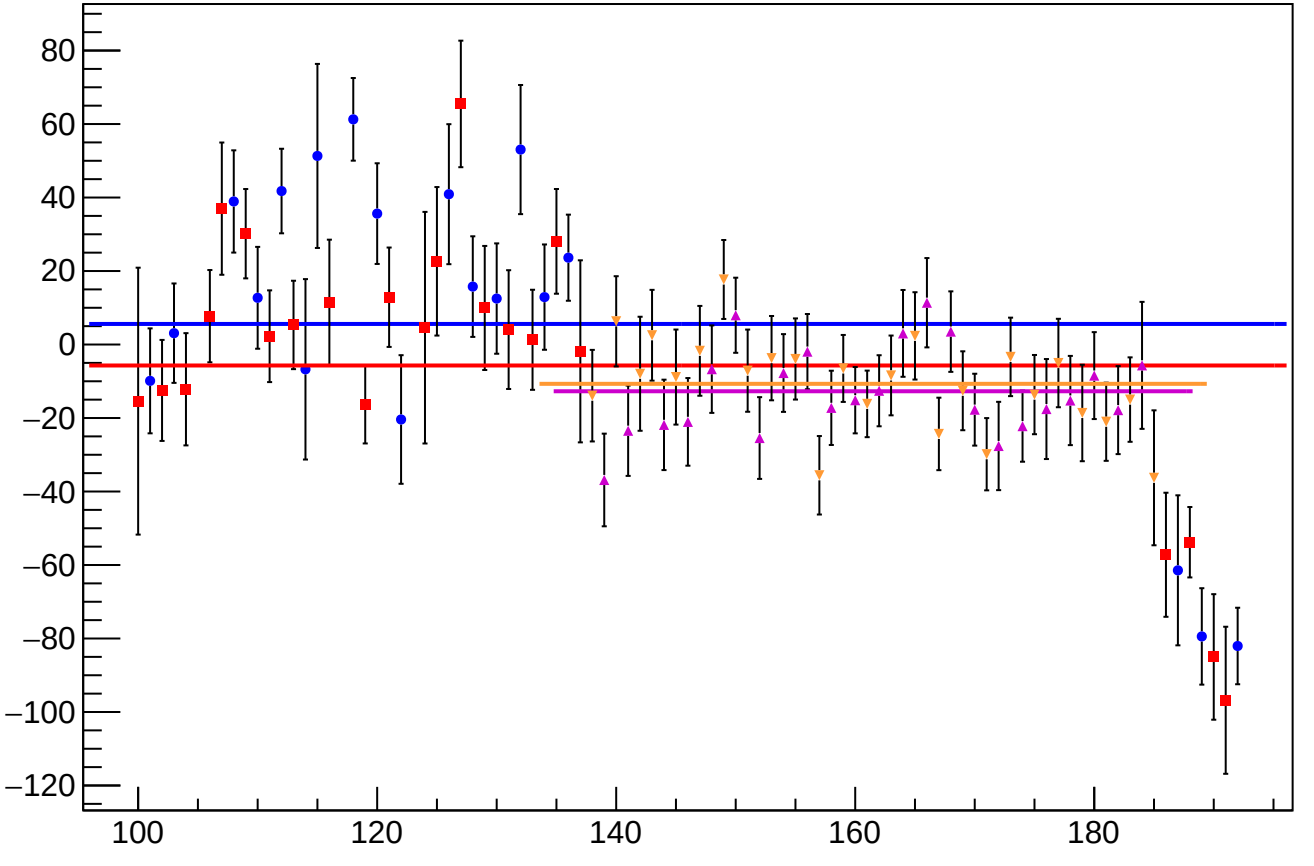
Right: 1149.419+/-0.190 χ^2/NDF: 353947.0/41

In: 1155.460+/-0.159 χ^2/NDF:1461112.0/41

Out: 1141.751+/-0.153 χ^2/NDF:1625279.7/47

All: 1148.335+/-0.110 χ^2/NDF: 3090254.6/89

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: -5.705+/-3.098 χ^2/NDF: 124.2/22

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

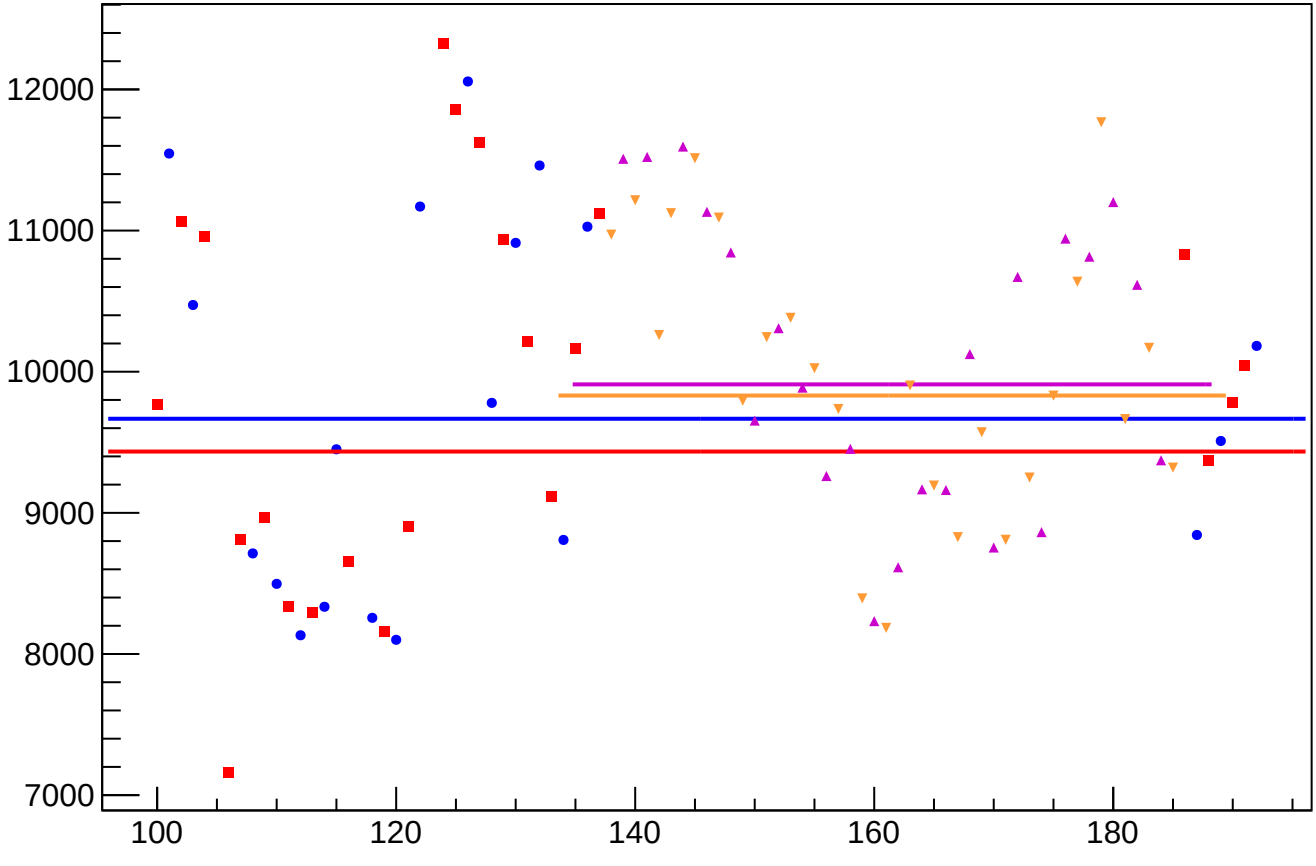
Right: -0.361+/-2.250 χ^2/NDF: 320.5/41

In: -6.517+/-1.904 χ^2/NDF:234.8/41

Out: -8.966+/-1.824 χ^2/NDF:154.6/47

All: -7.794+/-1.317 χ^2/NDF: 390.3/89

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: 9434.431+/-2.191 χ^2/NDF: 319286.8/22

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

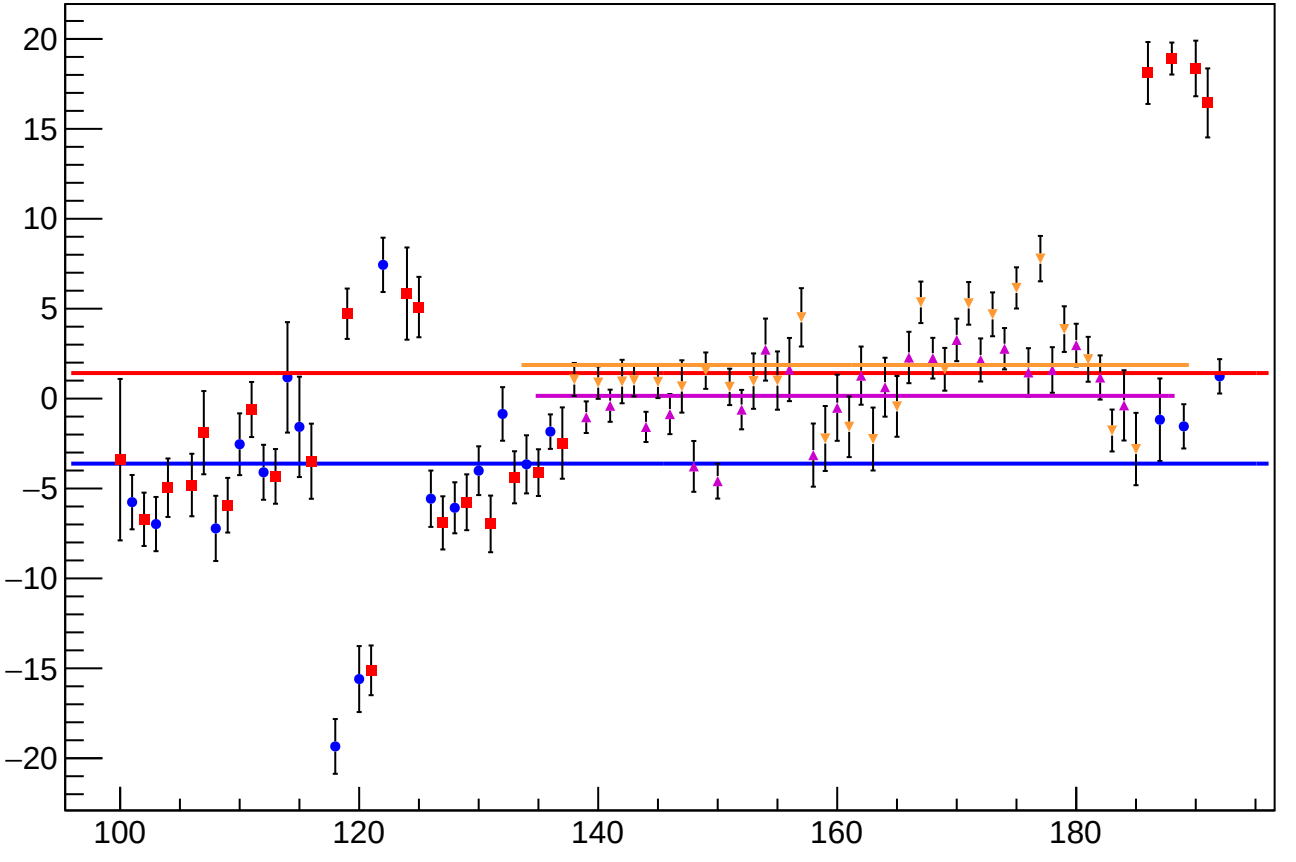
Right: 9544.256+/-1.591 χ^2/NDF: 612810.1/41

In: 9827.834+/-1.346 χ^2/NDF:684907.8/41

Out: 9693.698+/-1.290 χ^2/NDF:696848.2/47

All: 9757.912+/-0.931 χ^2/NDF: 1386931.5/89

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: 1.420+/-0.327 χ^2/NDF: 1043.5/22

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

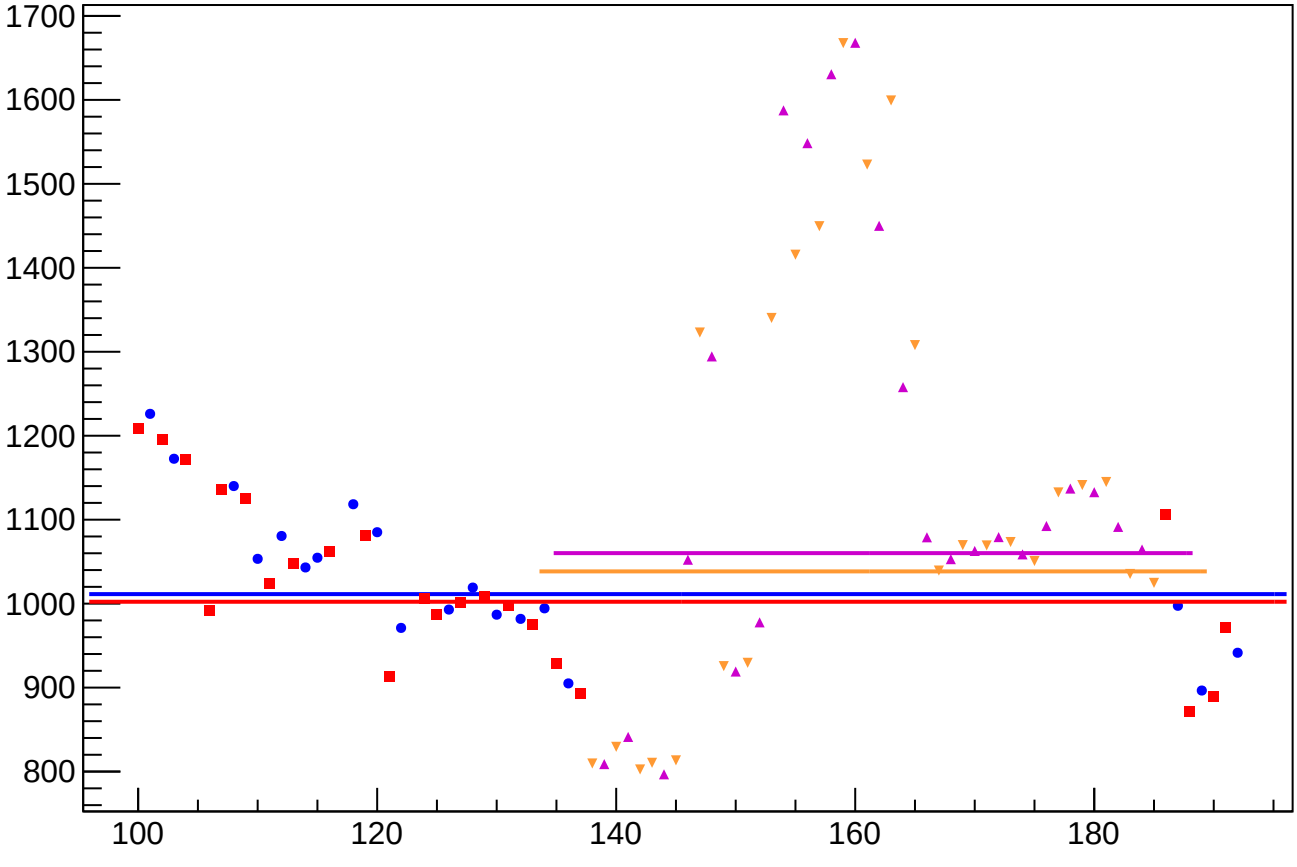
Right: -1.003+/-0.236 χ^2/NDF: 1416.1/41

In: -1.203+/-0.204 χ^2/NDF:413.0/41

Out: 1.709+/-0.195 χ^2/NDF:1147.9/47

All: 0.318+/-0.141 χ^2/NDF: 1667.7/89

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: 1002.250+/-0.231 χ^2/NDF: 172958.6/22

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

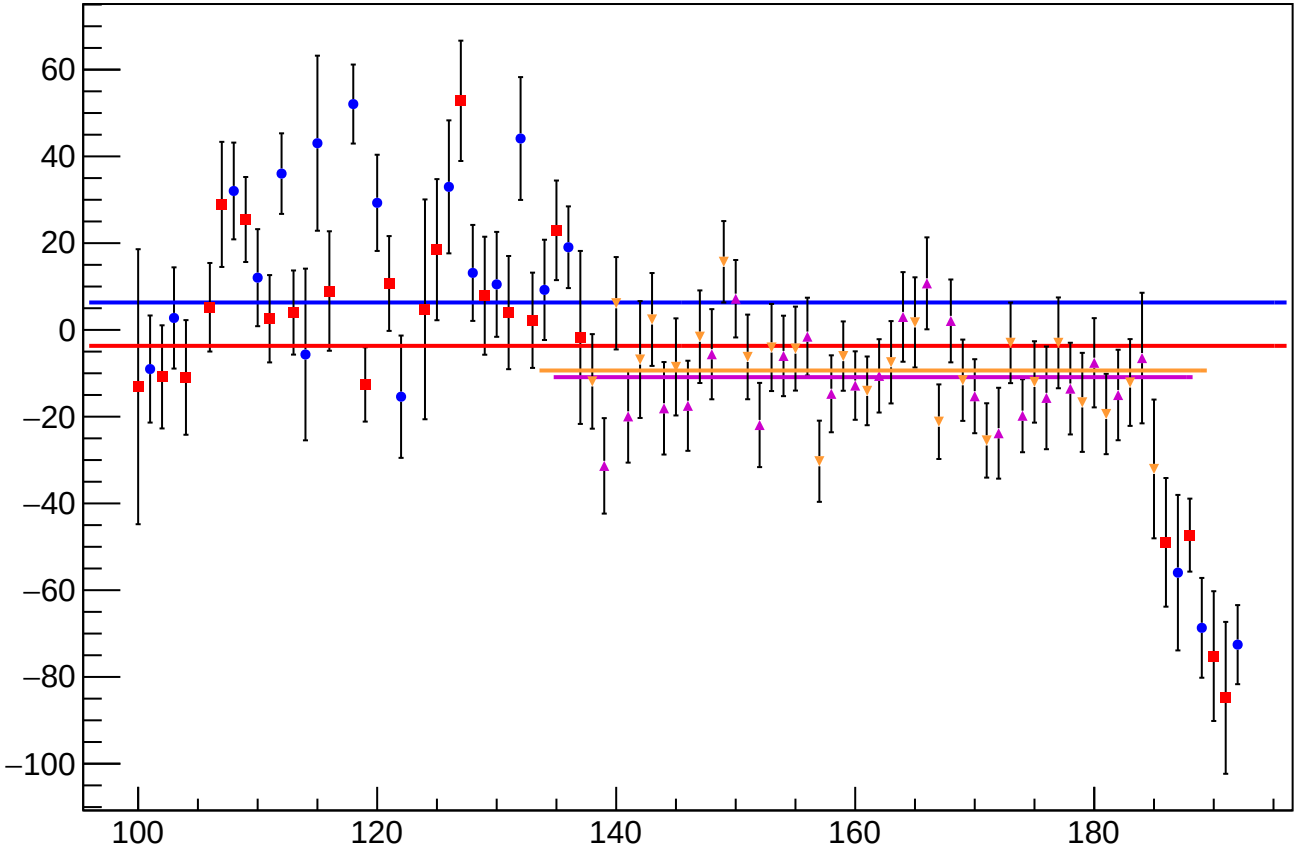
Right: 1006.626+/-0.167 χ^2/NDF: 322289.3/41

In: 1042.616+/-0.144 χ^2/NDF:1698257.9/41

Out: 1025.570+/-0.138 χ^2/NDF:1895405.3/47

All: 1033.717+/-0.100 χ^2/NDF: 3600976.6/89

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: -3.675+/-2.556 χ^2/NDF: 126.0/22

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

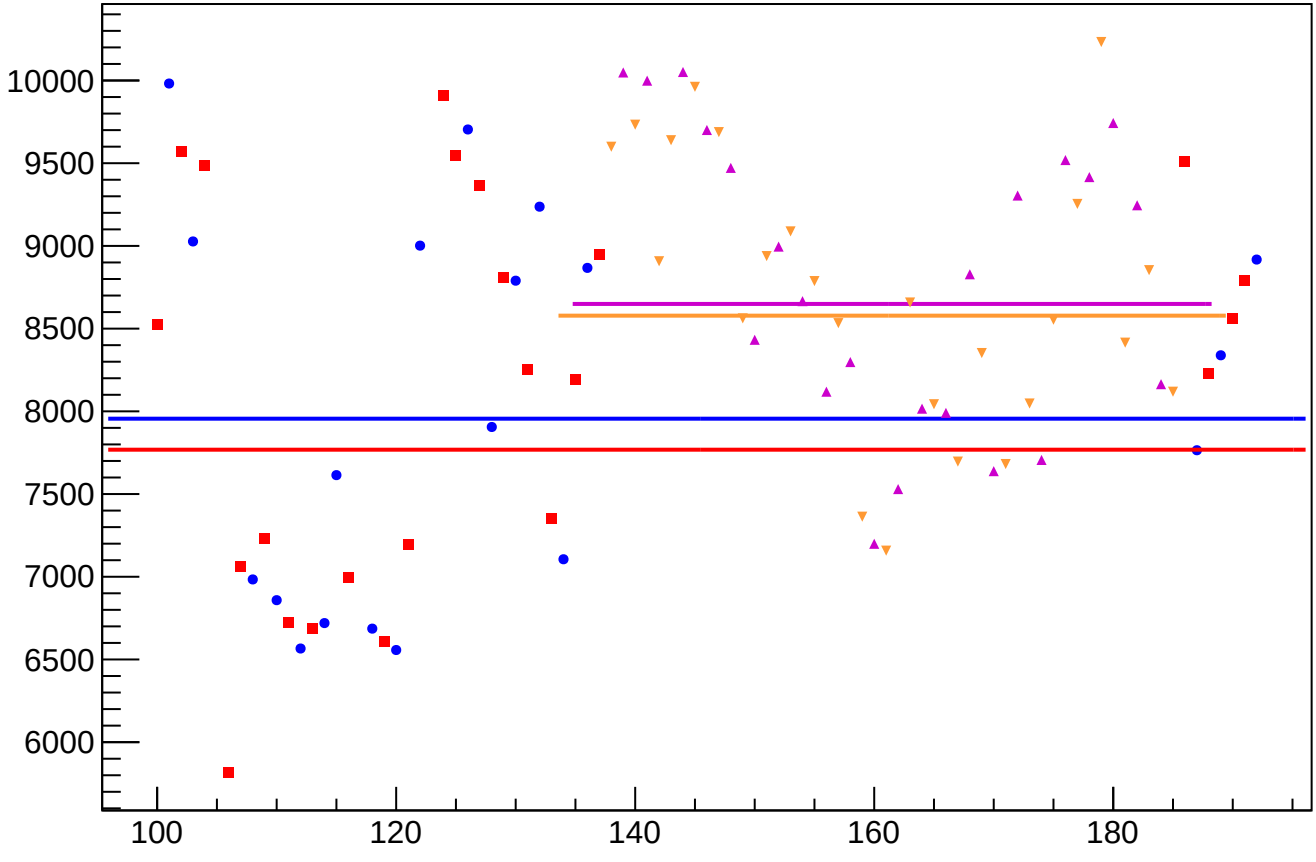
Right: 1.057+/-1.855 χ^2/NDF: 328.3/41

In: -4.617+/-1.628 χ^2/NDF:244.5/41

Out: -7.240+/-1.560 χ^2/NDF:157.6/47

All: -5.985+/-1.126 χ^2/NDF: 403.4/89

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: 7768.105+/-1.808 χ^2/NDF: 397594.5/22

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

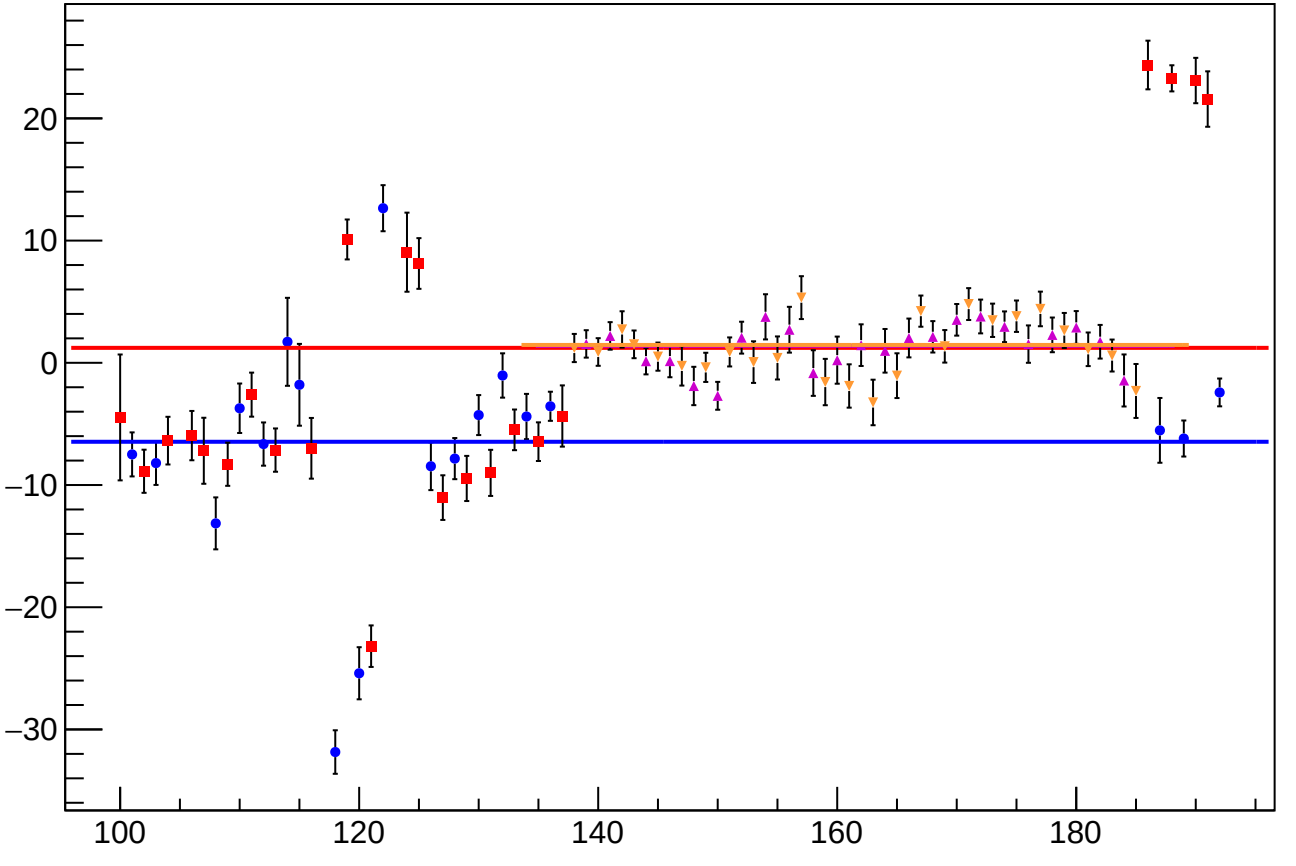
Right: 7856.814+/-1.312 χ^2/NDF: 748852.2/41

In: 8396.401+/-1.151 χ^2/NDF:808180.1/41

Out: 8276.640+/-1.103 χ^2/NDF:867426.5/47

All: 8333.958+/-0.797 χ^2/NDF: 1681248.0/89

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: 1.223+/-0.390 χ^2/NDF: 1324.0/22

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

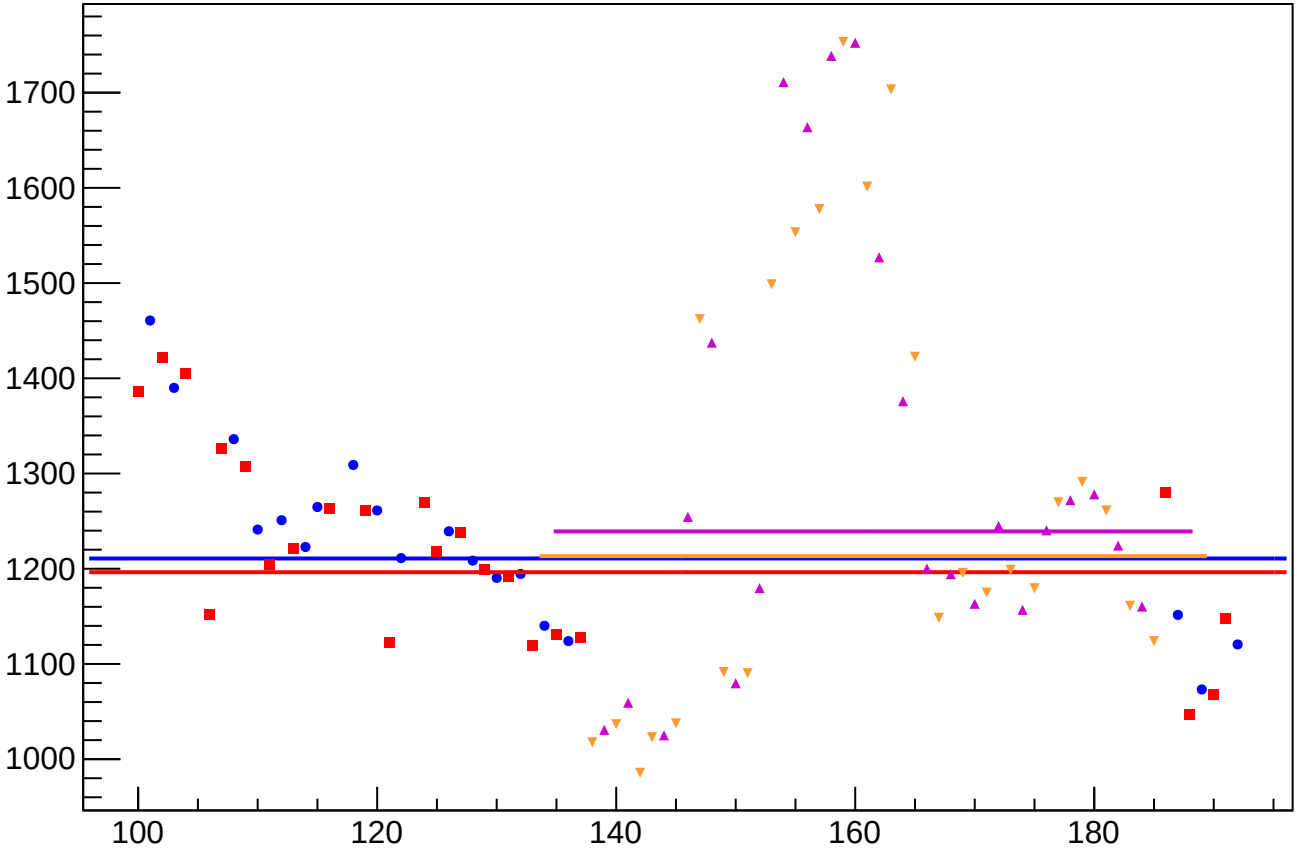
Right: -2.462+/-0.281 χ^2/NDF: 1947.5/41

In: -1.310+/-0.238 χ^2/NDF:717.8/41

Out: 1.380+/-0.228 χ^2/NDF:1375.3/47

All: 0.096+/-0.165 χ^2/NDF: 2159.7/89

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: 1196.364+/-0.276 χ^2/NDF: 145094.1/22

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

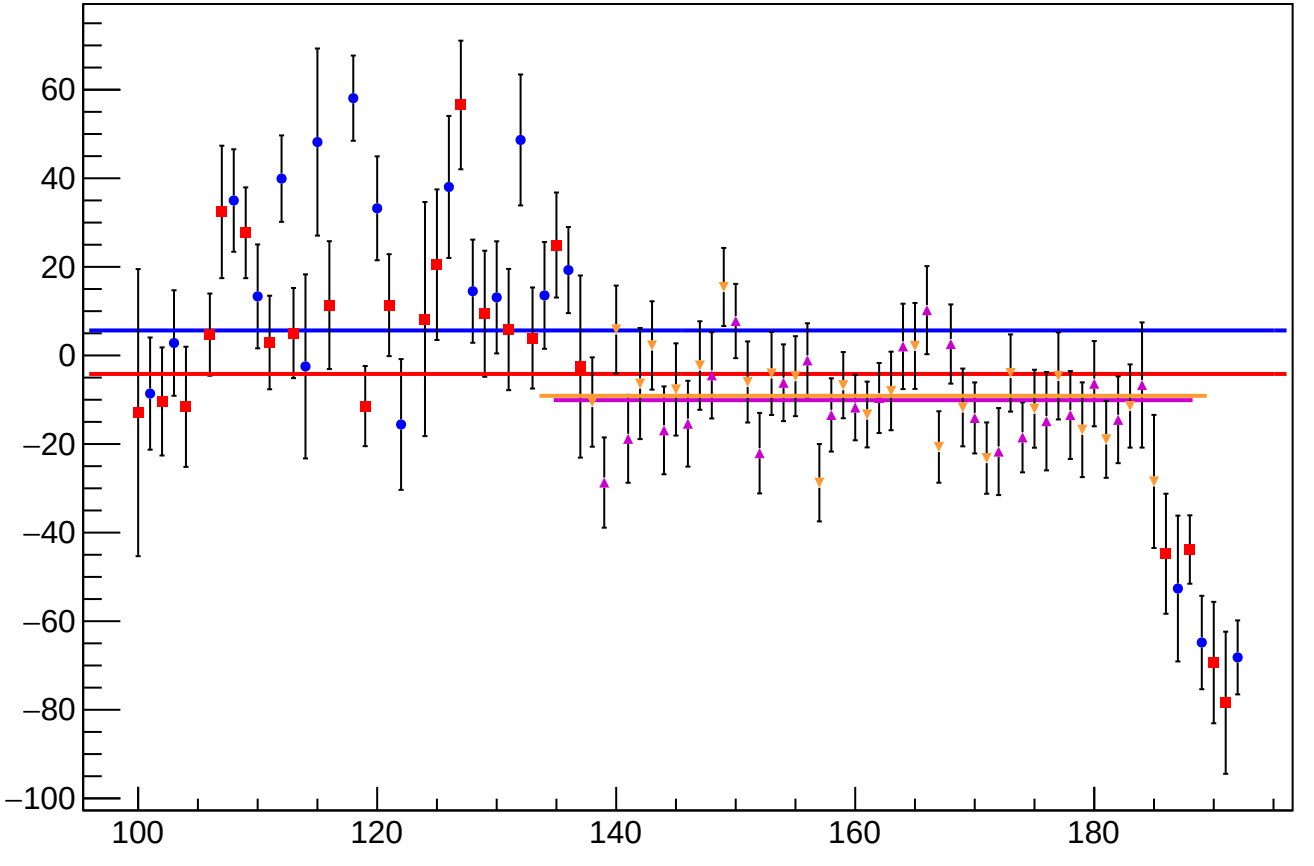
Right: 1203.270+/-0.199 χ^2/NDF: 266614.3/41

In: 1229.403+/-0.169 χ^2/NDF:1012221.0/41

Out: 1207.503+/-0.161 χ^2/NDF:1160330.3/47

All: 1217.956+/-0.116 χ^2/NDF: 2181376.3/89

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: -4.176+/-2.578 χ^2/NDF: 129.3/22

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

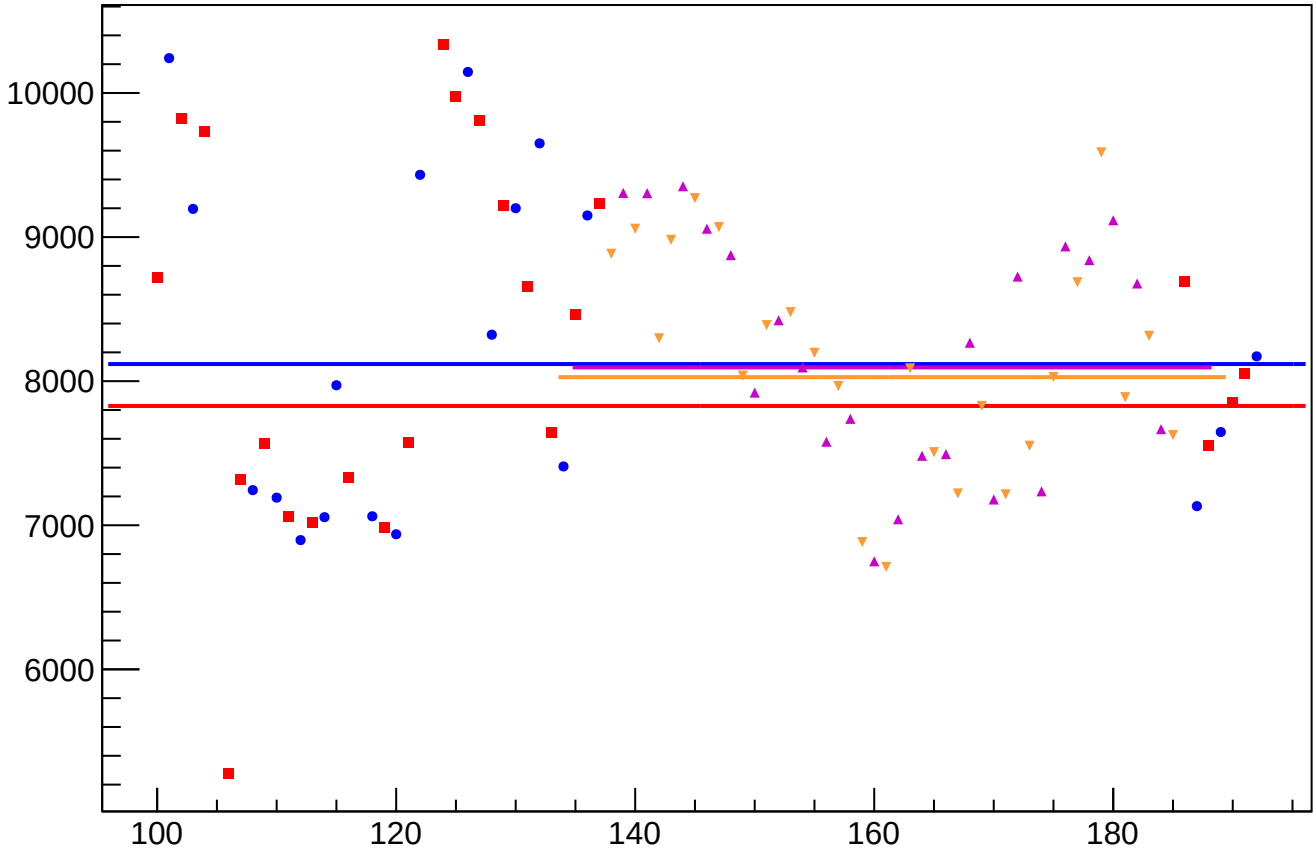
Right: 0.421+/-1.881 χ^2/NDF: 349.3/41

In: -4.965+/-1.569 χ^2/NDF:259.6/41

Out: -7.445+/-1.499 χ^2/NDF:160.4/47

All: -6.262+/-1.084 χ^2/NDF: 421.4/89

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: 7828.030+/-1.823 χ^2/NDF: 434147.5/22

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

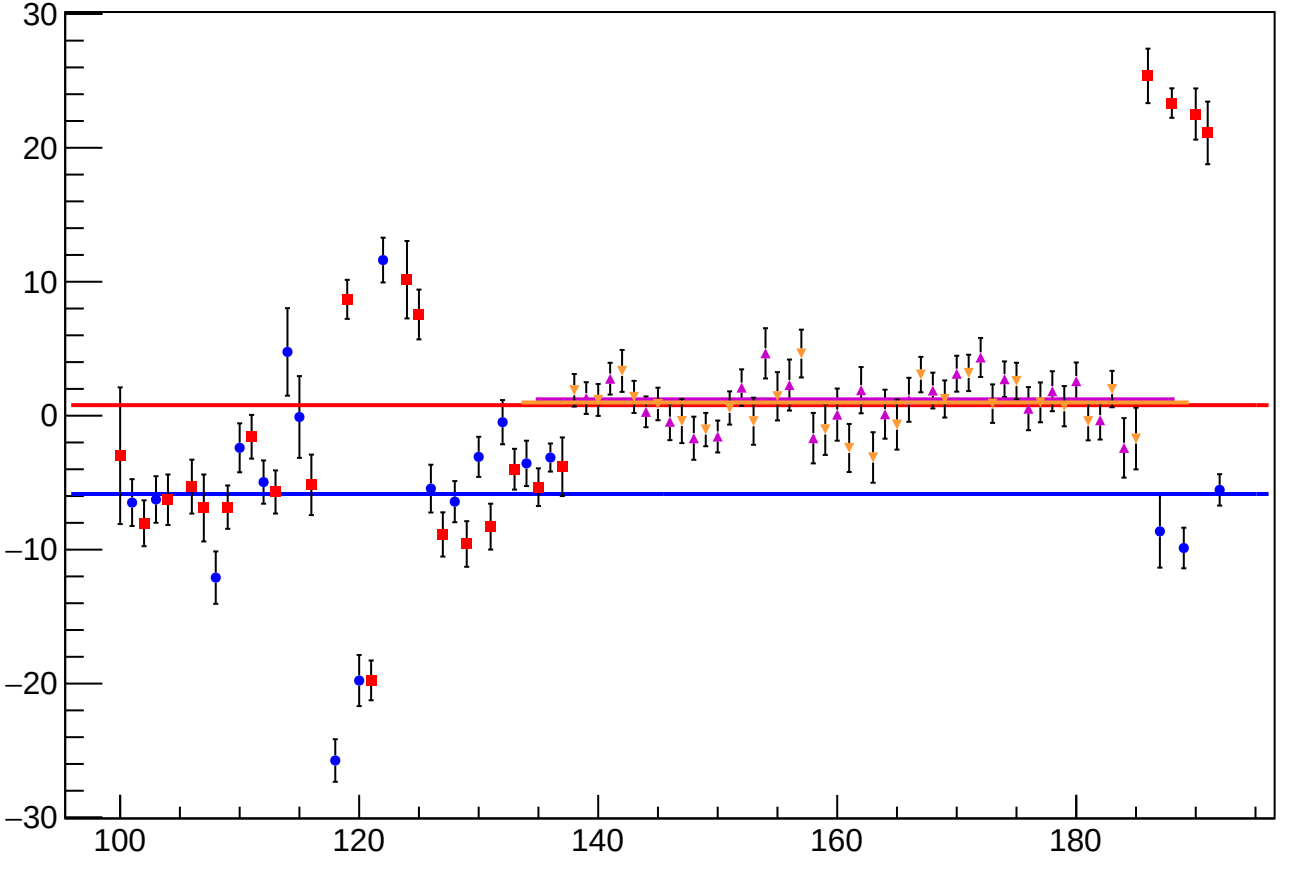
Right: 7964.120+/-1.330 χ^2/NDF: 748901.9/41

In: 8103.005+/-1.110 χ^2/NDF:670399.6/41

Out: 7960.444+/-1.060 χ^2/NDF:774573.3/47

All: 8028.466+/-0.766 χ^2/NDF: 1453603.4/89

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: 0.786+/-0.366 χ^2/NDF: 1253.3/22

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

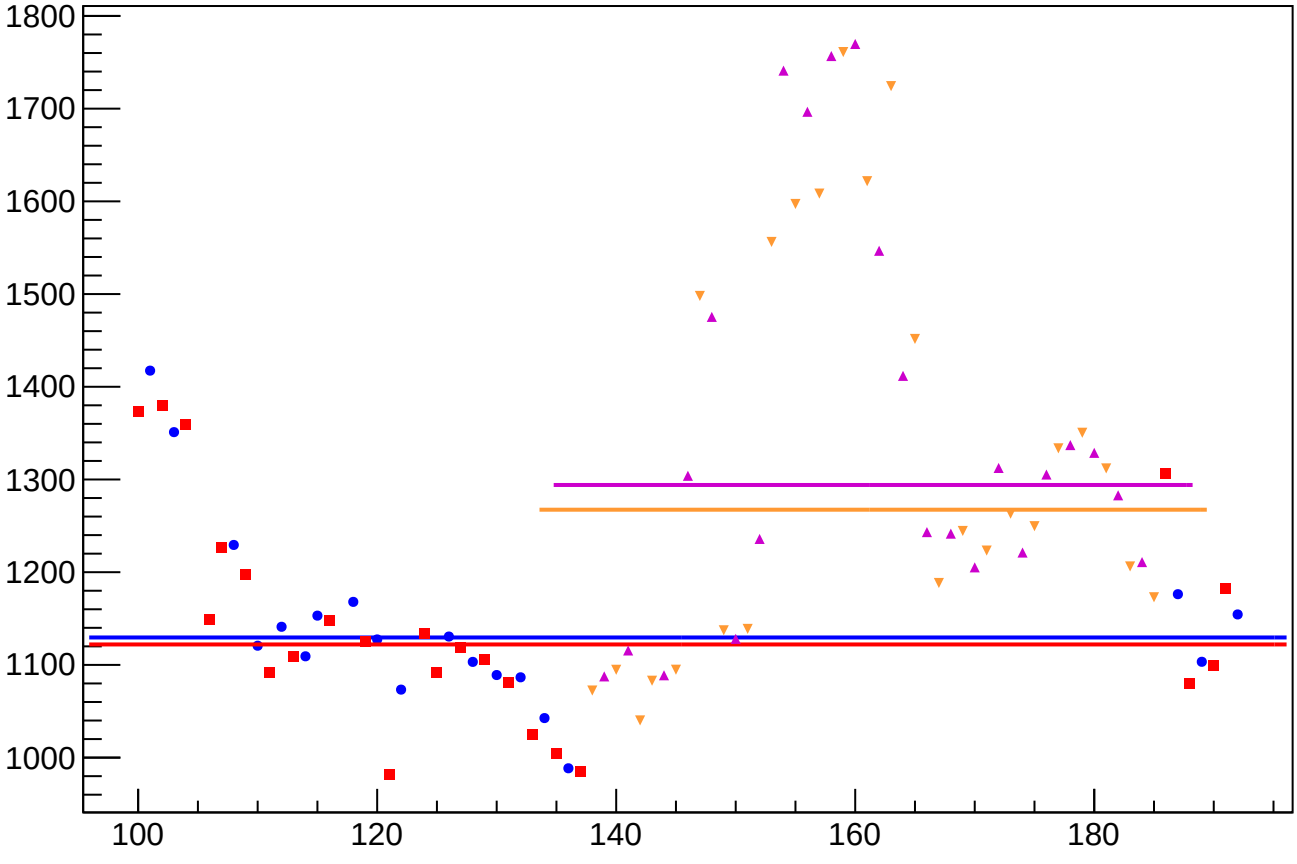
Right: -2.411+/-0.263 χ^2/NDF: 1790.2/41

In: -1.571+/-0.238 χ^2/NDF:621.5/41

Out: 0.909+/-0.228 χ^2/NDF:1284.5/47

All: -0.278+/-0.165 χ^2/NDF: 1962.5/89

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: 1122.064+/-0.259 χ^2/NDF: 161826.0/22

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

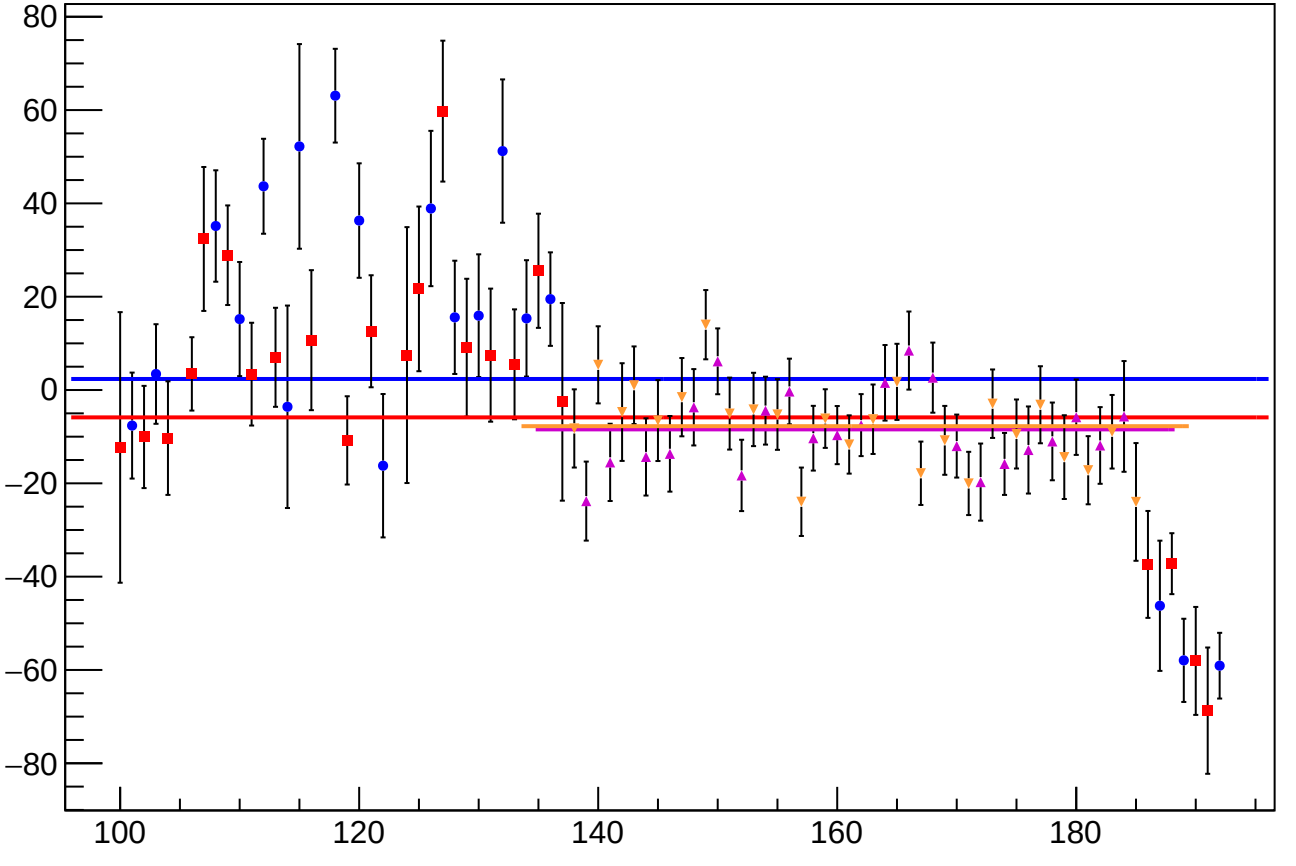
Right: 1125.696+/-0.186 χ^2/NDF: 305002.5/41

In: 1229.115+/-0.169 χ^2/NDF:1128331.8/41

Out: 1210.814+/-0.162 χ^2/NDF:1232716.7/47

All: 1219.573+/-0.117 χ^2/NDF: 2367190.3/89

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: -5.865+/-2.472 χ^2/NDF: 128.1/22

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

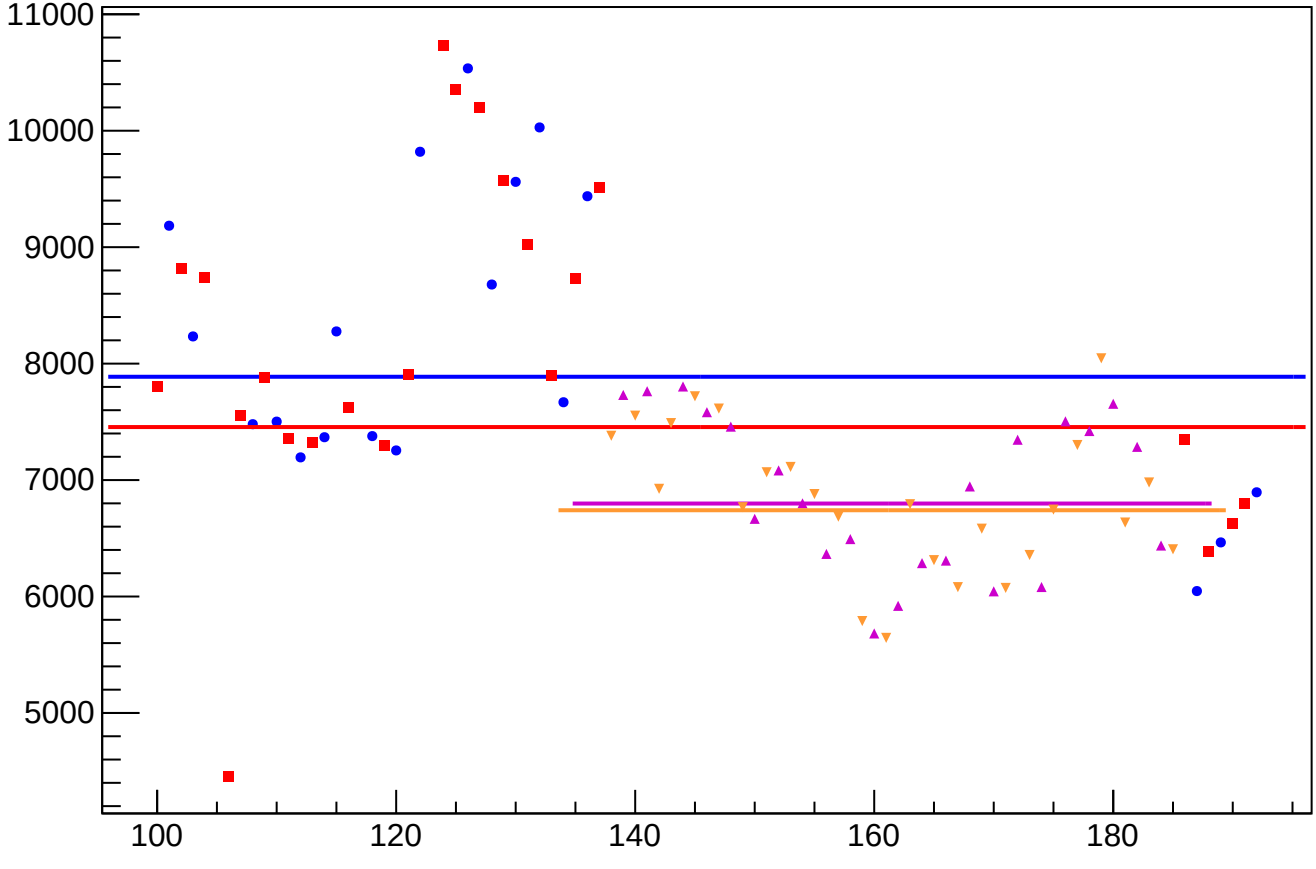
Right: -2.077+/-1.816 χ^2/NDF: 365.1/41

In: -5.582+/-1.376 χ^2/NDF:268.8/41

Out: -7.221+/-1.311 χ^2/NDF:158.9/47

All: -6.441+/-0.949 χ^2/NDF: 428.4/89

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: 7455.264+/-1.748 χ^2/NDF: 677724.0/22

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

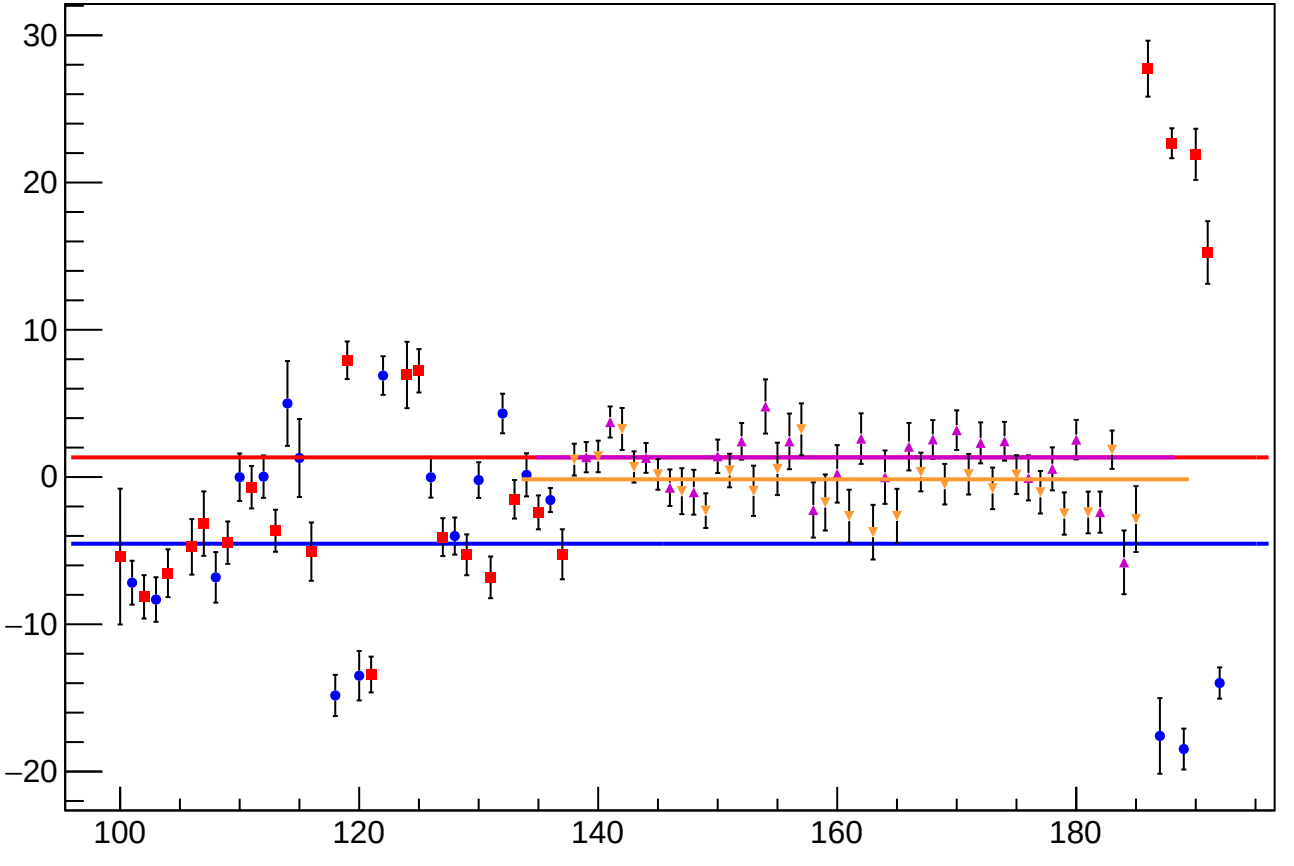
Right: 7654.051+/-1.284 χ^2/NDF: 1095671.3/41

In: 7086.285+/-0.973 χ^2/NDF:986454.9/41

Out: 6941.818+/-0.927 χ^2/NDF:1114488.6/47

All: 7010.549+/-0.671 χ^2/NDF: 2112495.7/89

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: 1.335+/-0.314 χ^2/NDF: 1238.0/22

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

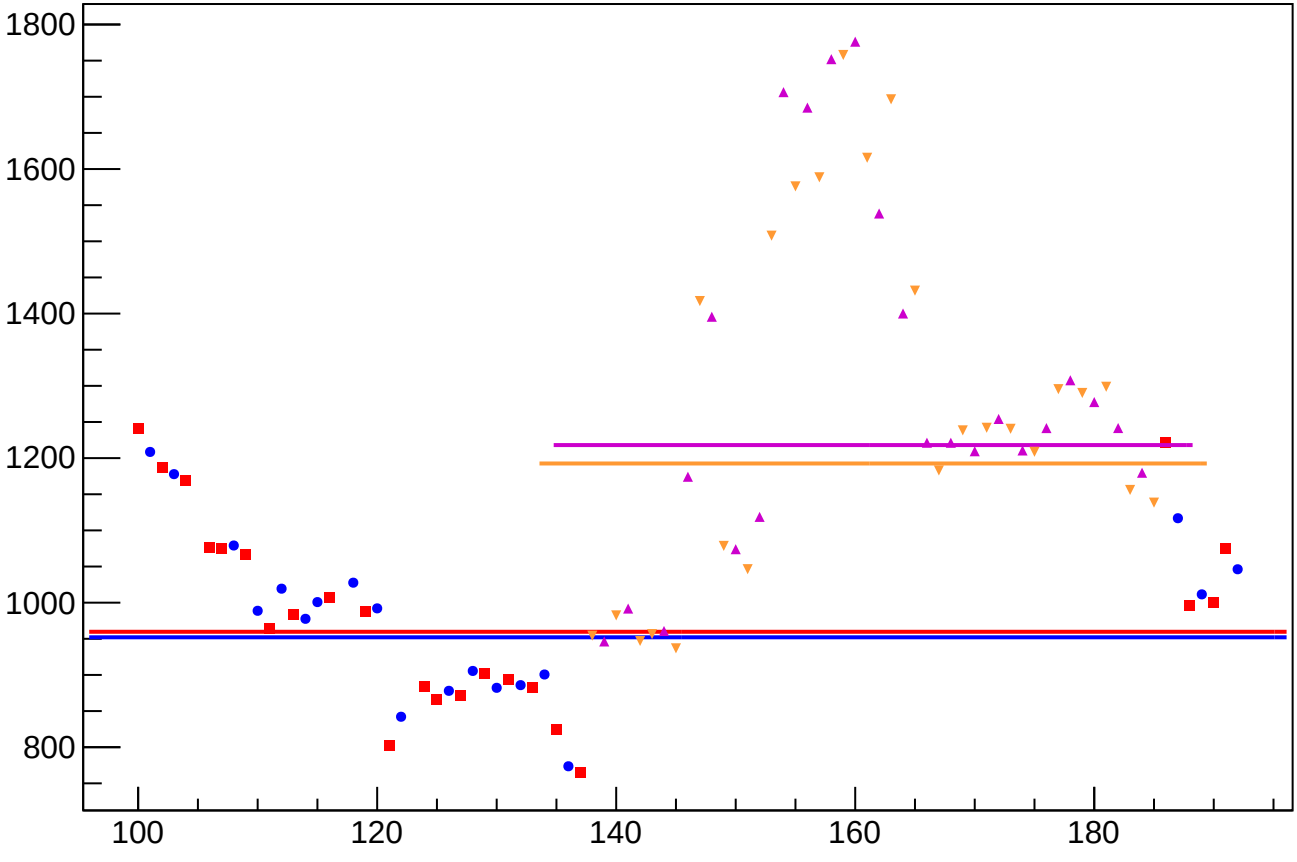
Right: -1.533+/-0.225 χ^2/NDF: 1908.0/41

In: -1.300+/-0.215 χ^2/NDF:727.4/41

Out: 0.497+/-0.208 χ^2/NDF:1286.7/47

All: -0.369+/-0.149 χ^2/NDF: 2050.1/89

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: 959.724+/-0.222 χ^2/NDF: 285290.6/22

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

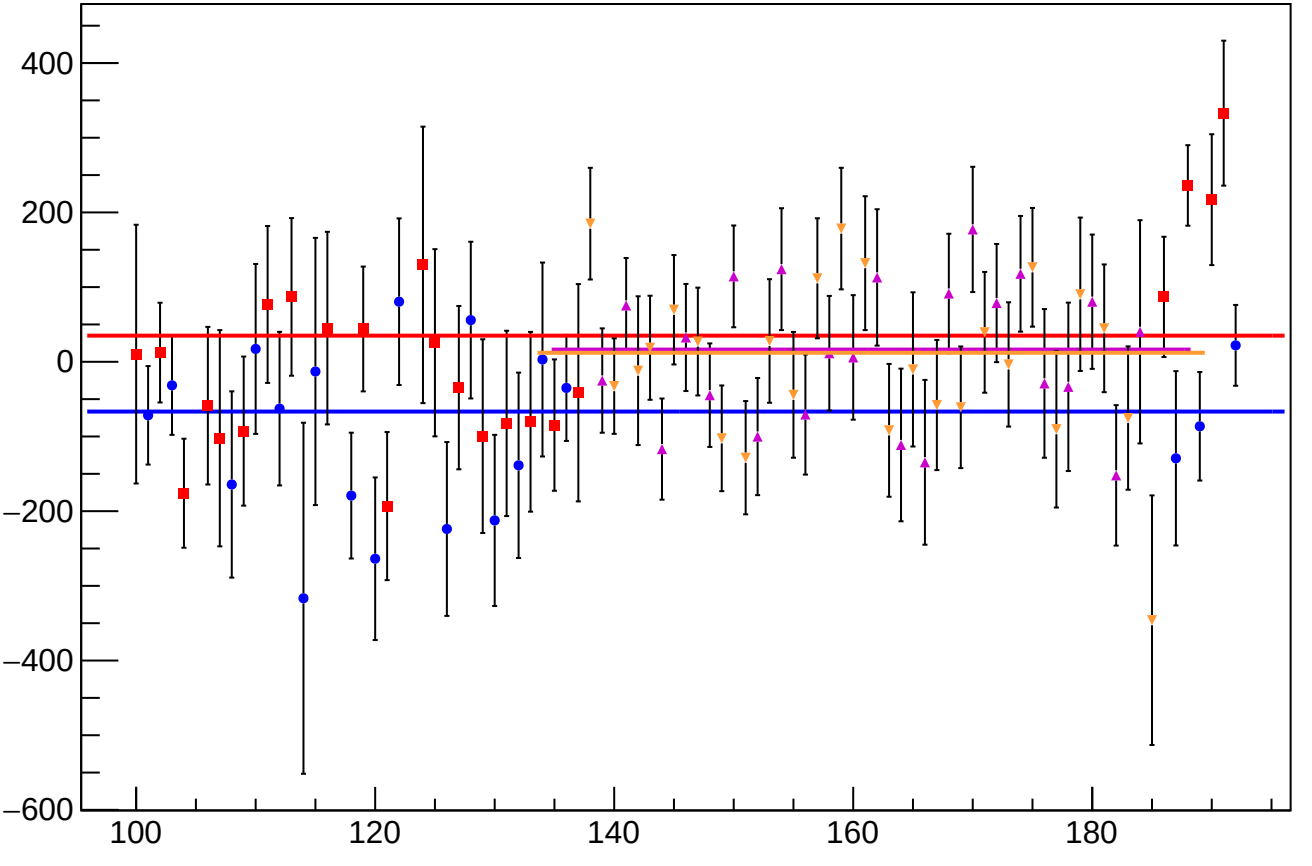
Right: 955.985+/-0.159 χ^2/NDF: 572600.9/41

In: 1098.496+/-0.152 χ^2/NDF:2170084.0/41

Out: 1090.857+/-0.147 χ^2/NDF:2224193.4/47

All: 1094.539+/-0.106 χ^2/NDF: 4395581.9/89

diff_bpm0r03X_mean vs Slug, Sign Corrected



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: 35.007+/-20.202 χ^2/NDF: 51.3/22

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

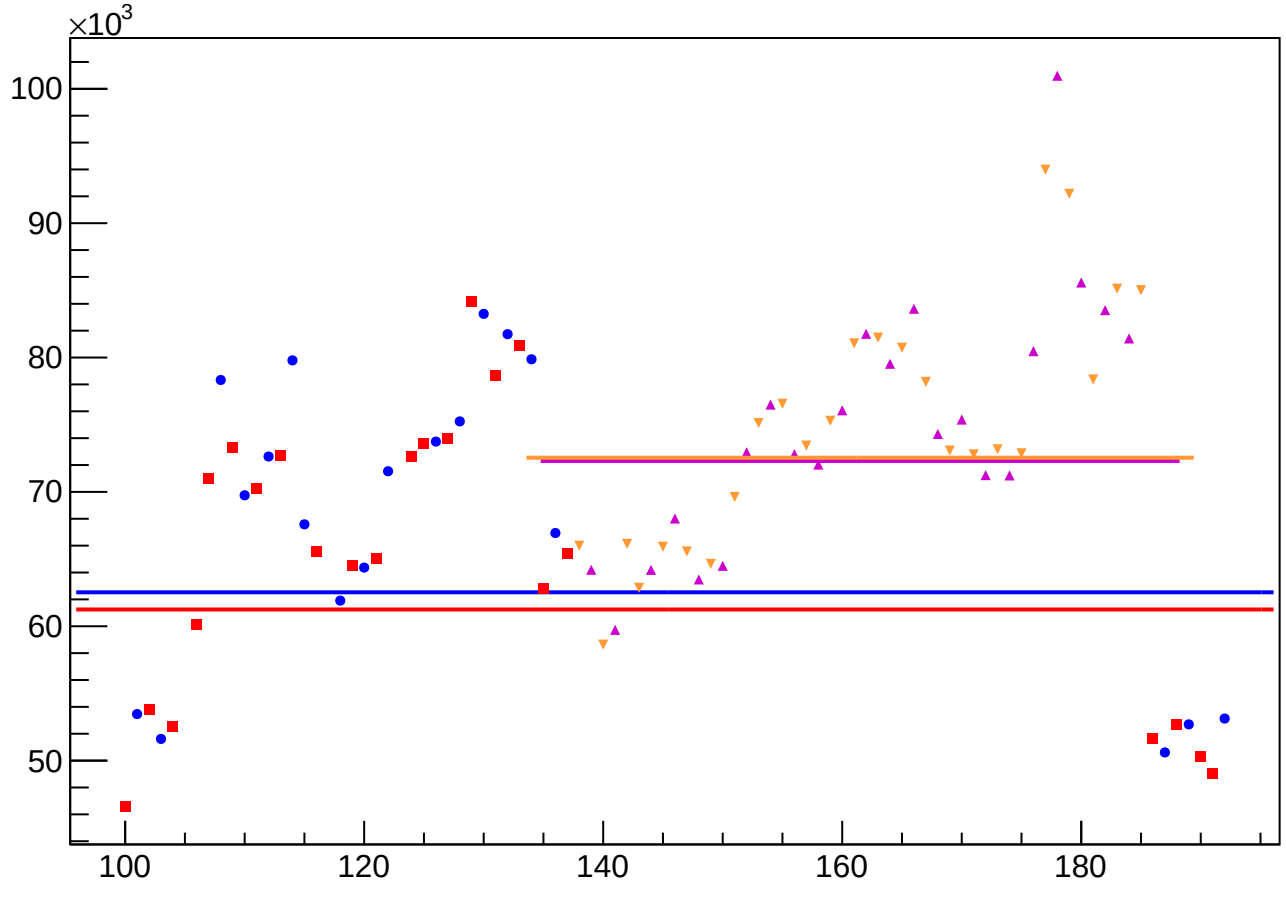
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: -13.263+/-14.639 χ^2/NDF: 81.5/41

In: -16.095+/-13.282 χ^2/NDF:56.1/41

Out: 21.327+/-12.829 χ^2/NDF:84.9/47

All: 3.264+/-9.227 χ^2/NDF: 145.1/89



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: 61249.680+/-14.285 χ^2/NDF: 505992.5/22

Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

Left: 72425.429+/-8.405 χ^2/NDF: 989056.6/47

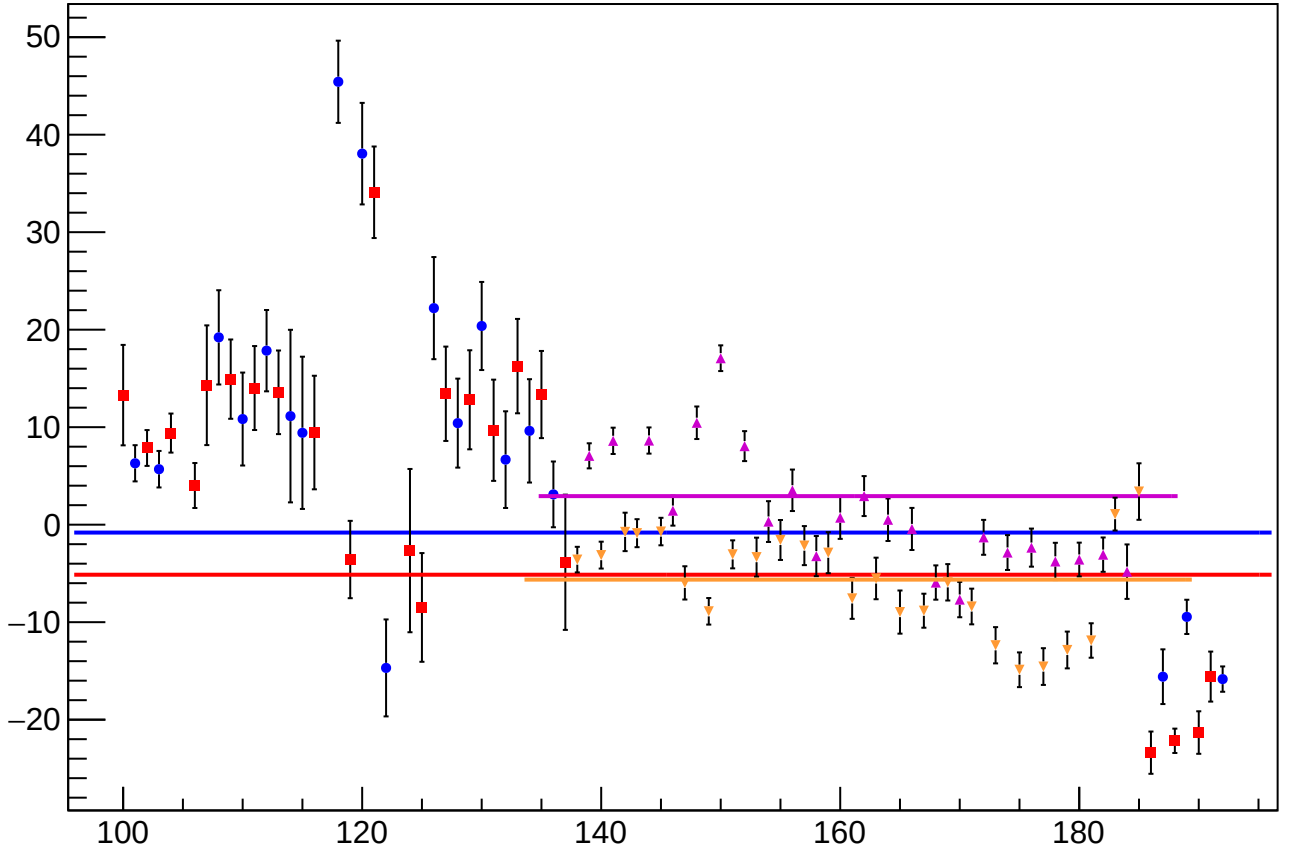
Right: 61856.421+/-10.352 χ^2/NDF: 1009794.1/41

In: 68480.253+/-9.391 χ^2/NDF:1246633.8/41

Out: 67989.475+/-9.072 χ^2/NDF:1379090.8/47

All: 68226.366+/-6.525 χ^2/NDF: 2627137.4/8

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: -5.132+/-0.620 χ^2/NDF: 681.9/22

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

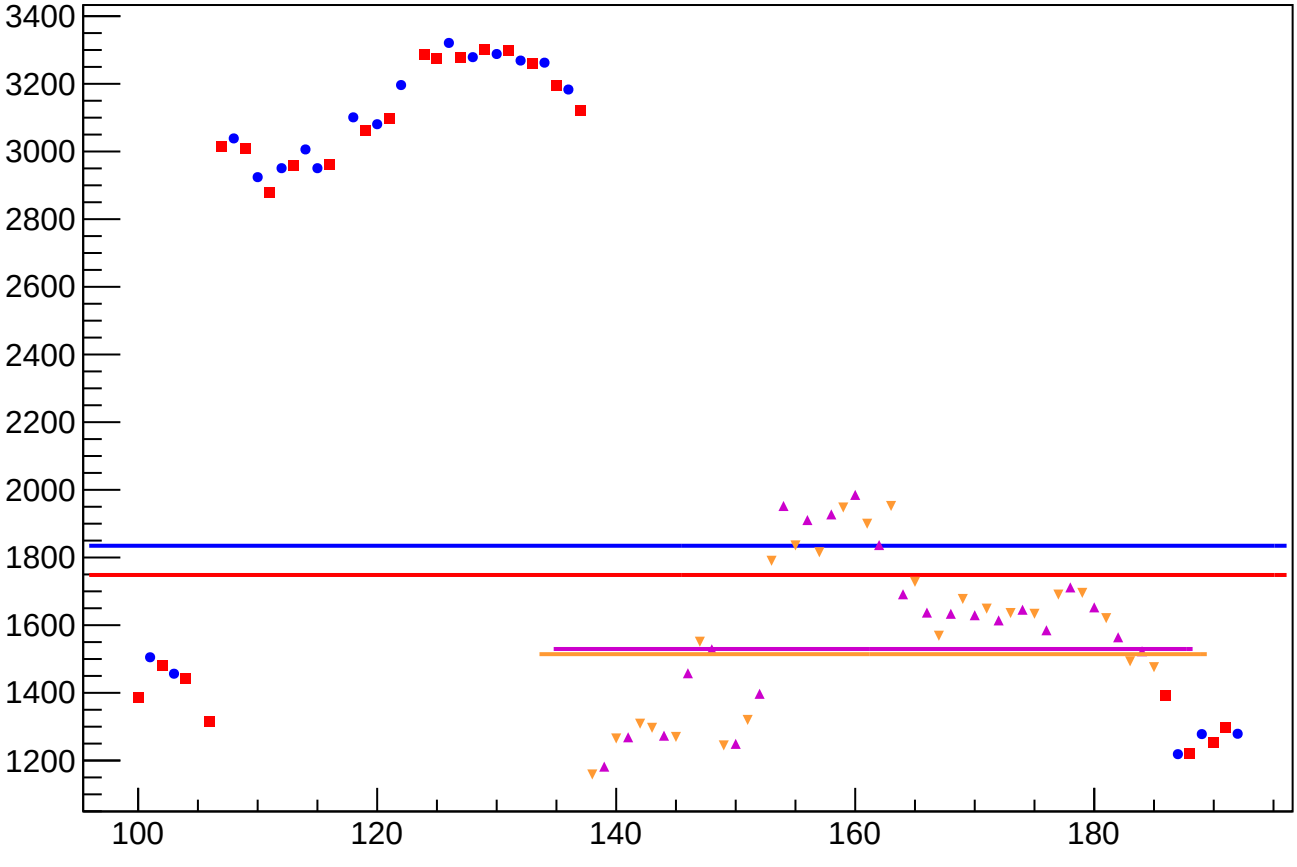
Right: -3.139+/-0.455 χ^2/NDF: 1202.1/41

In: 2.084+/-0.319 χ^2/NDF:859.3/41

Out: -5.515+/-0.304 χ^2/NDF:860.5/47

All: -1.893+/-0.220 χ^2/NDF: 2017.3/89

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: 1748.364+/-0.439 χ^2/NDF: 3055594.7/22

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

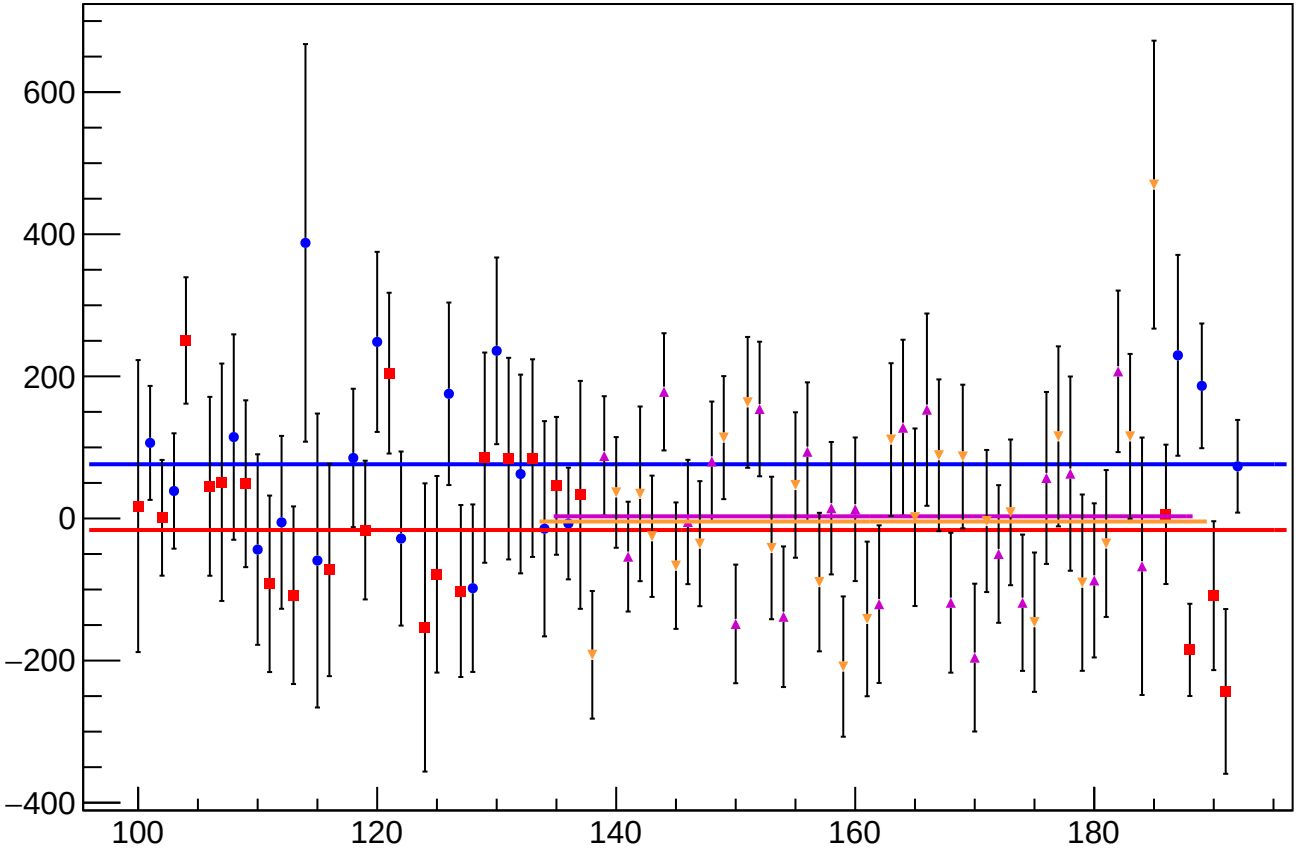
Right: 1788.180+/-0.322 χ^2/NDF: 5974131.4/41

In: 1598.567+/-0.225 χ^2/NDF:4049624.6/41

Out: 1570.635+/-0.215 χ^2/NDF:4205242.2/47

All: 1583.948+/-0.156 χ^2/NDF: 8262905.3/89

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: -16.274+/-23.751 χ^2/NDF: 29.2/22

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

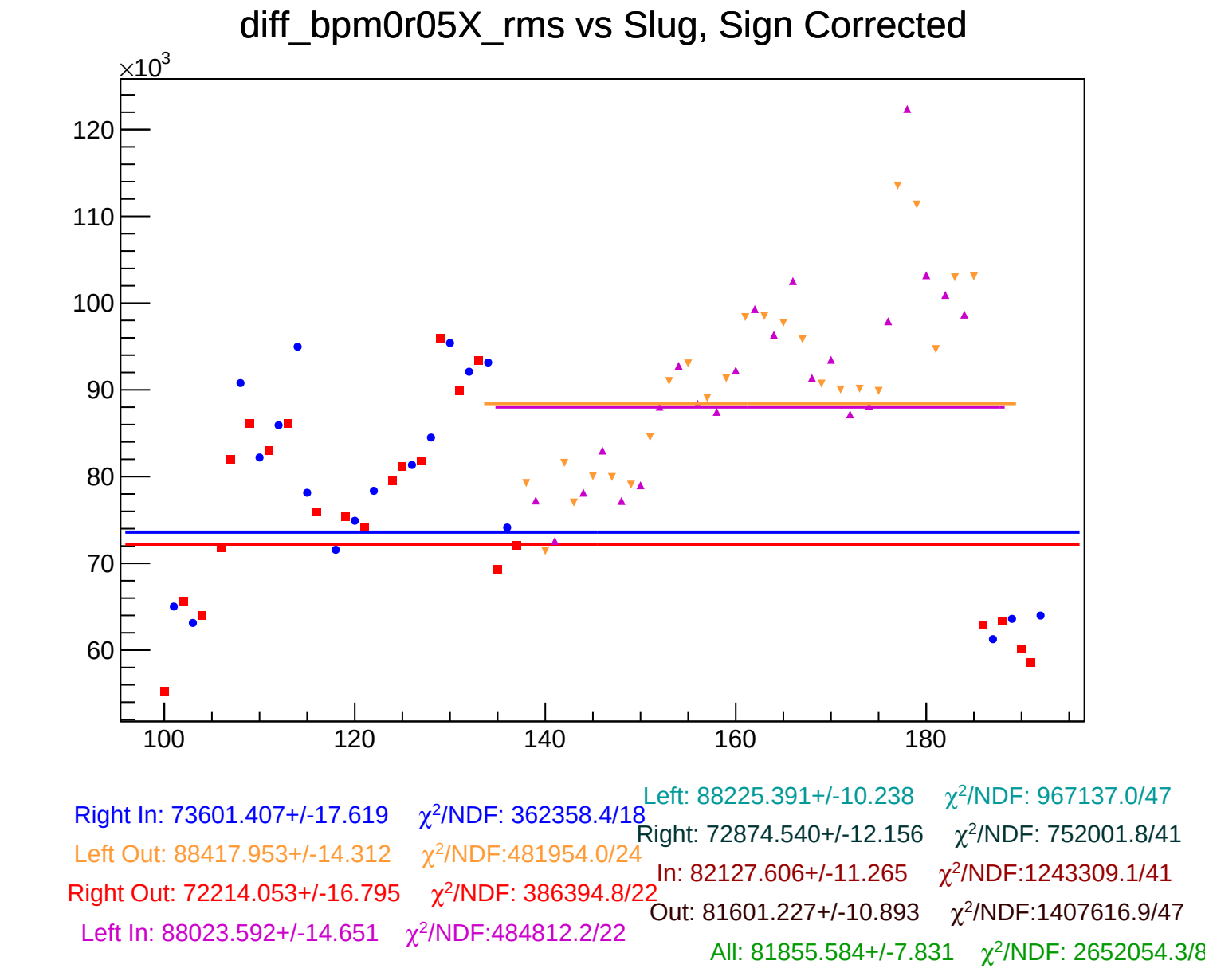
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 27.793+/-17.192 χ^2/NDF: 50.9/41

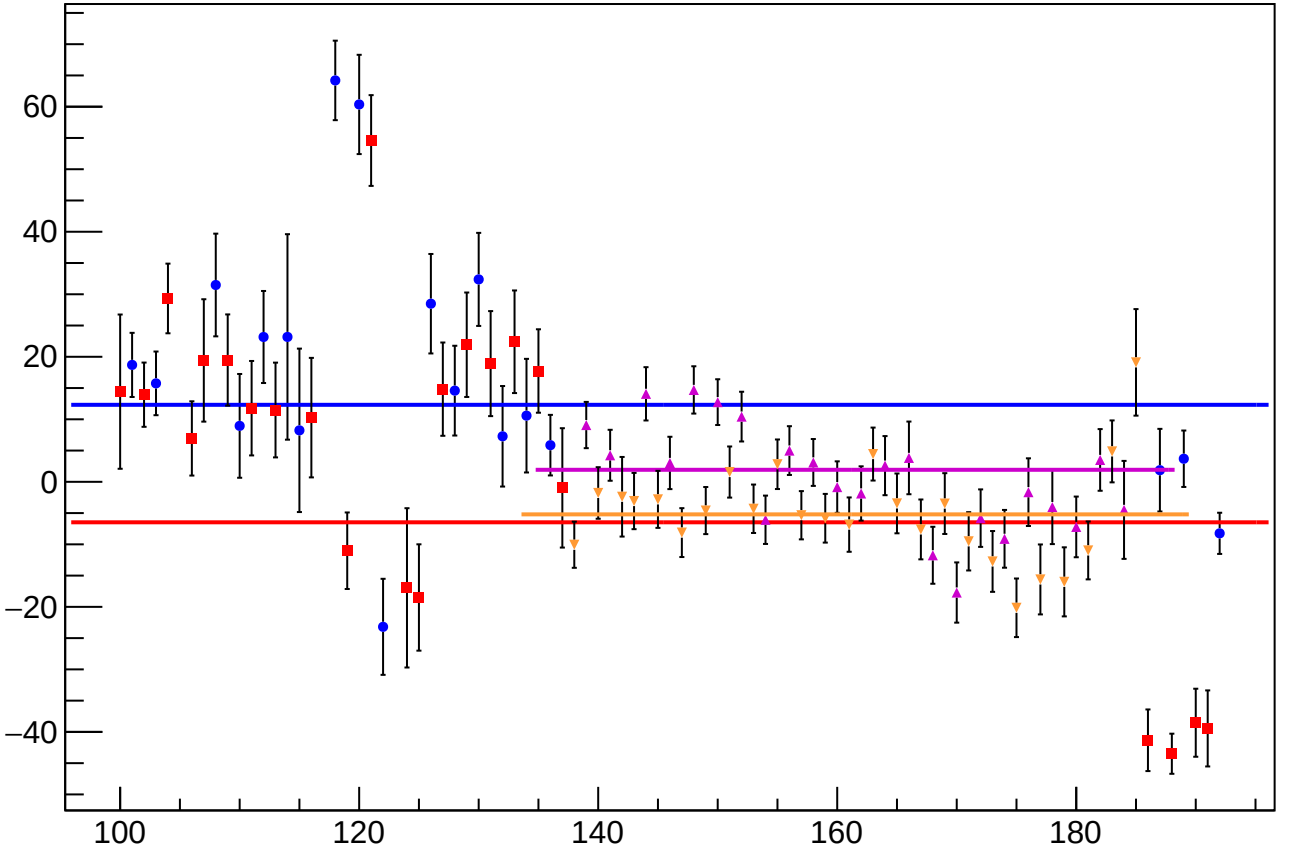
In: 32.971+/-15.931 χ^2/NDF:50.3/41

Out: -9.322+/-15.405 χ^2/NDF:59.8/47

All: 11.115+/-11.074 χ^2/NDF: 113.7/89


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: 72214.053+/-16.795 χ²/NDF: 386394.8/22
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 72874.540+/-12.156 χ²/NDF: 752001.8/41
In: 82127.606+/-11.265 χ²/NDF:1243309.1/41
Out: 81601.227+/-10.893 χ²/NDF:1407616.9/47
All: 81855.584+/-7.831 χ²/NDF: 2652054.3/8

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: -6.475+/-1.361 χ^2/NDF: 475.3/22

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

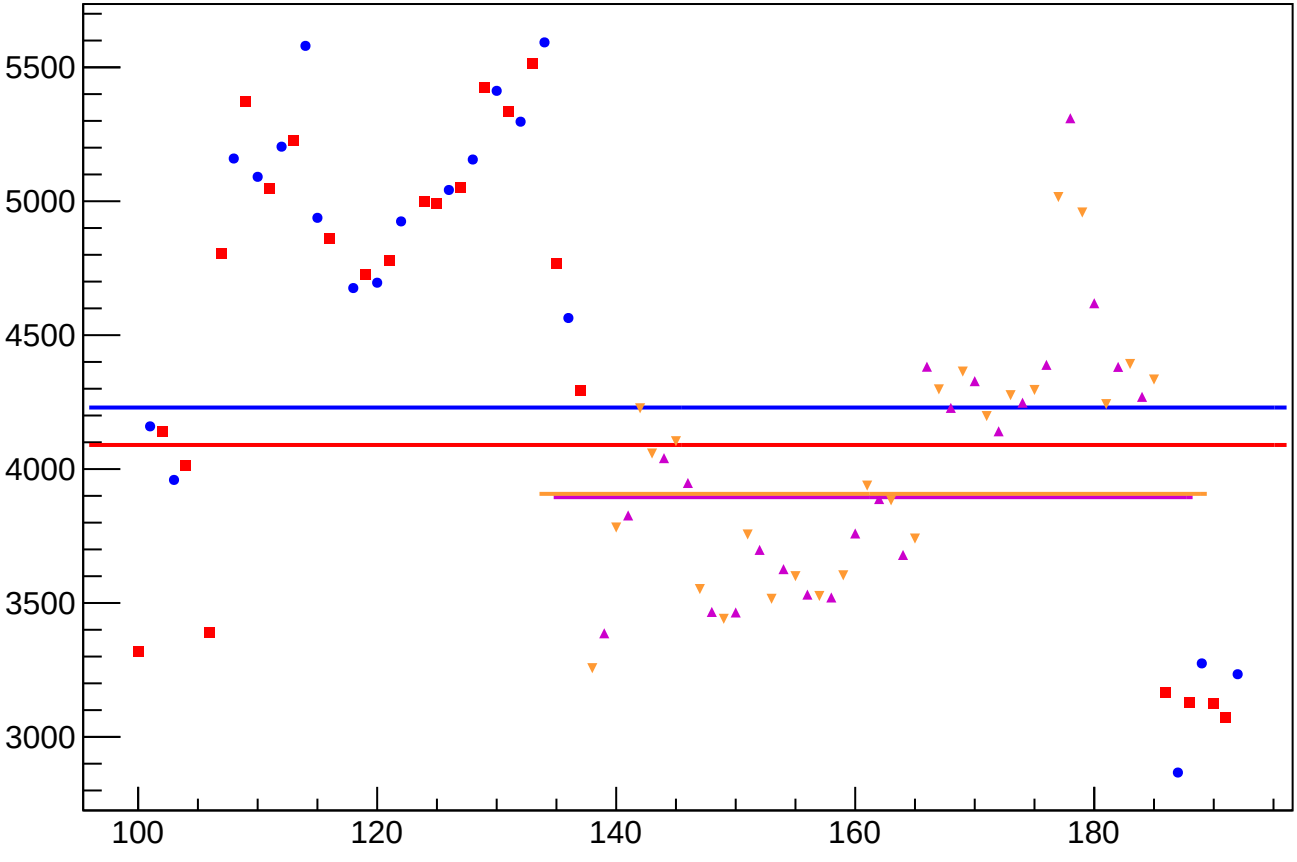
Right: 2.362+/-0.991 χ^2/NDF: 758.7/41

In: 4.905+/-0.774 χ^2/NDF:313.9/41

Out: -5.588+/-0.747 χ^2/NDF:526.9/47

All: -0.525+/-0.537 χ^2/NDF: 936.0/89

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: 4089.979+/-0.962 χ^2/NDF: 850304.4/22

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

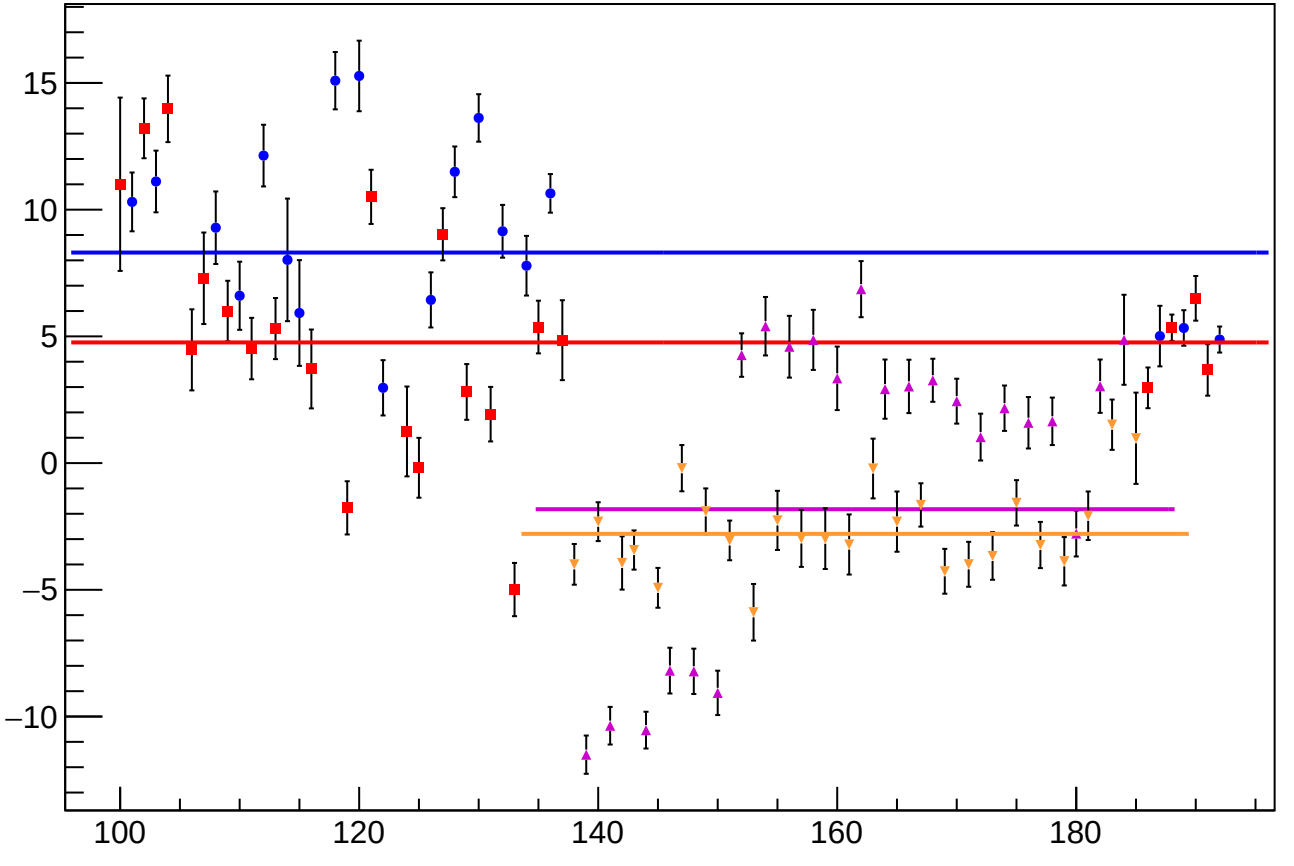
Right: 4155.724+/-0.701 χ^2/NDF: 1552823.3/41

In: 3991.114+/-0.547 χ^2/NDF:1179054.2/41

Out: 3962.457+/-0.528 χ^2/NDF:1316631.5/47

All: 3976.284+/-0.380 χ^2/NDF: 2497105.4/89

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: 4.761+/-0.225 χ^2/NDF: 321.5/22

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

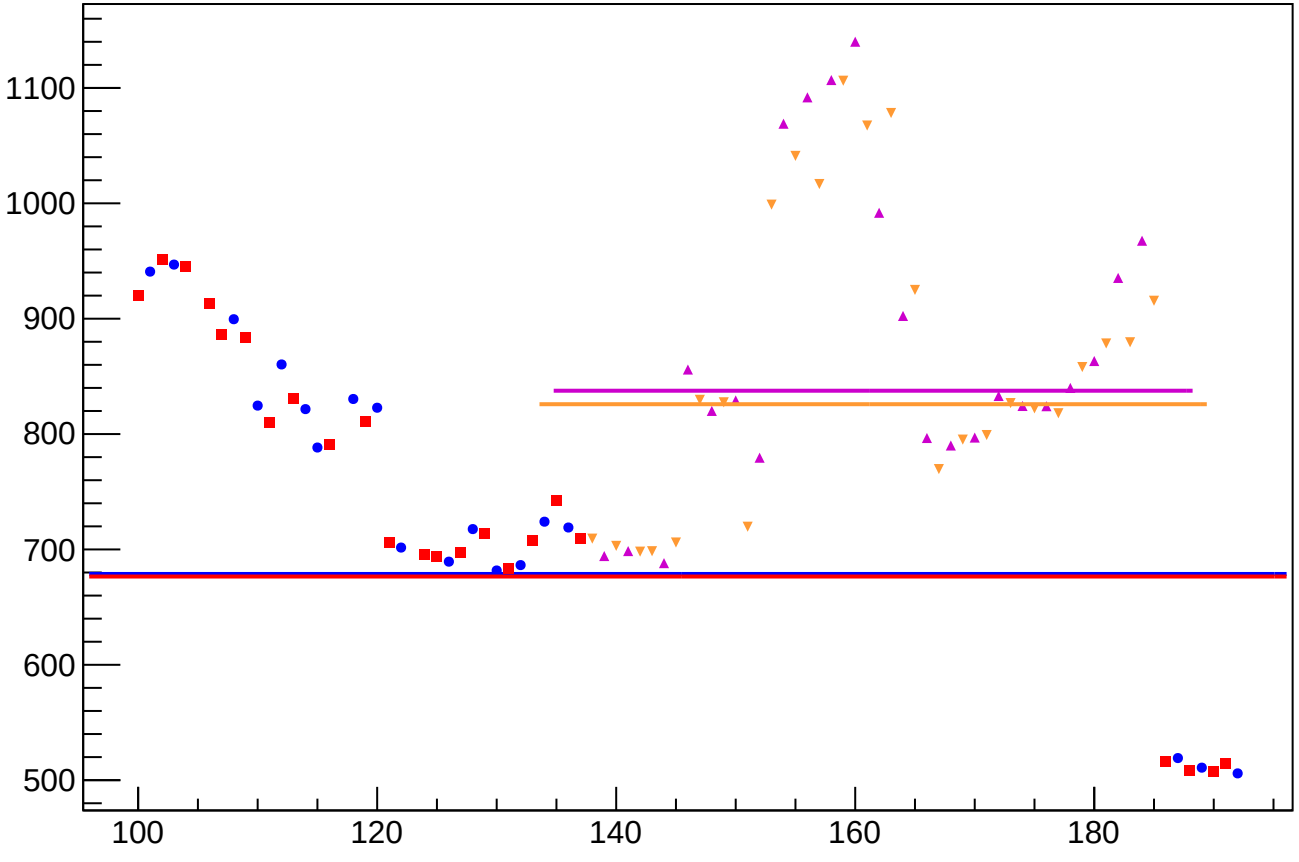
Right: 6.478+/-0.162 χ^2/NDF: 674.2/41

In: 2.449+/-0.151 χ^2/NDF:2359.3/41

Out: 0.355+/-0.145 χ^2/NDF:1048.0/47

All: 1.363+/-0.105 χ^2/NDF: 3507.4/89

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: 676.519+/-0.159 χ^2/NDF: 864620.0/22

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

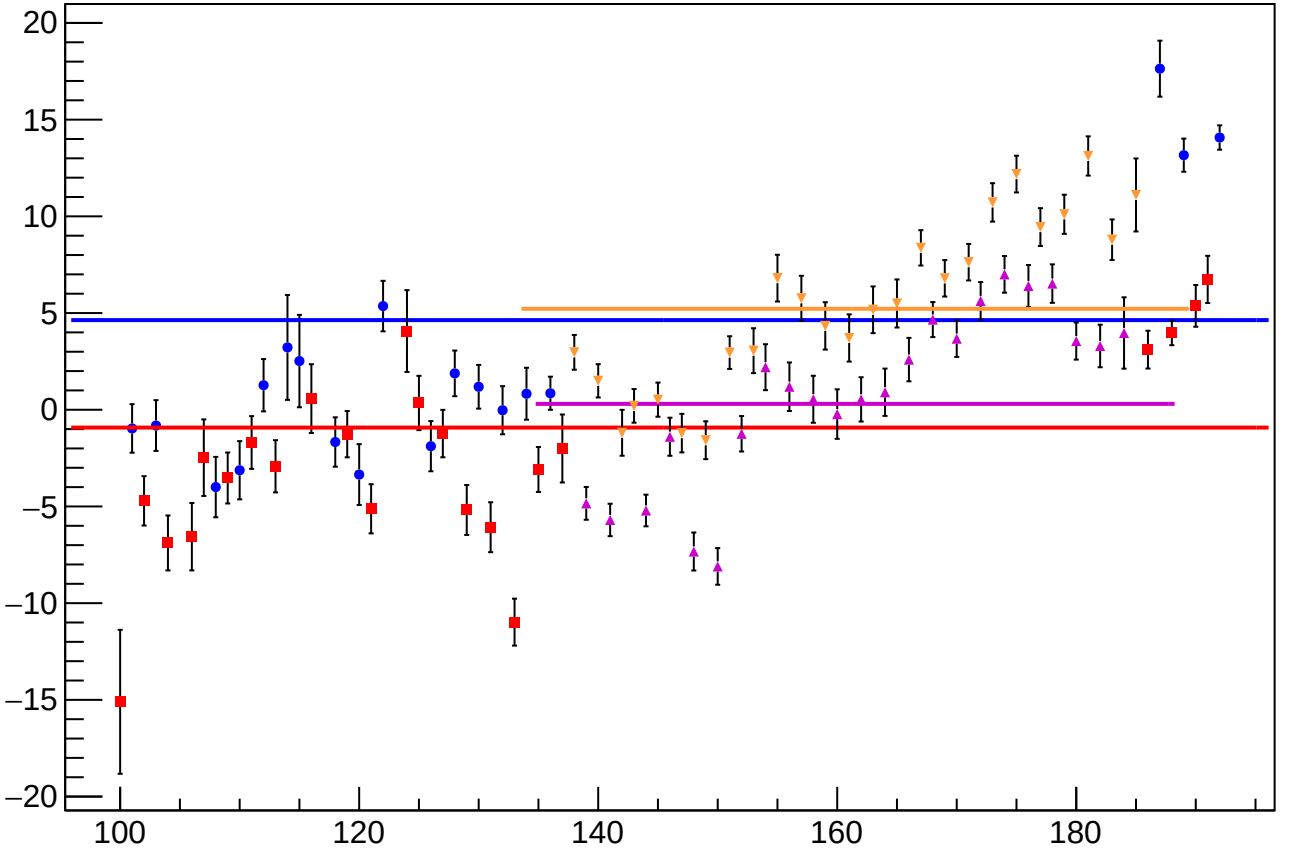
Right: 677.594+/-0.114 χ^2/NDF: 1639291.4/41

In: 770.621+/-0.107 χ^2/NDF:2030286.6/41

Out: 763.651+/-0.103 χ^2/NDF:2144256.1/47

All: 767.005+/-0.074 χ^2/NDF: 4176761.2/89

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: -0.922+/-0.263 χ^2/NDF: 325.6/22

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

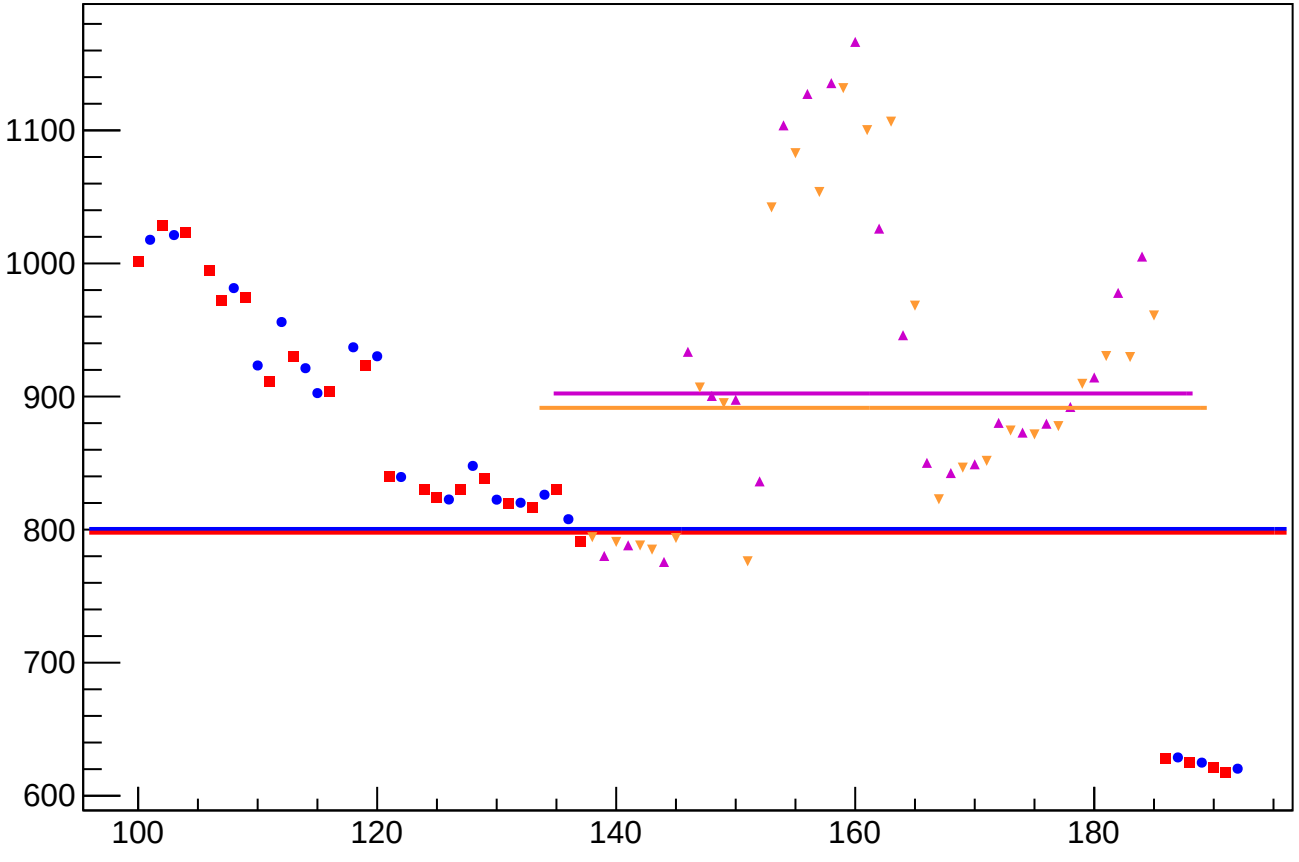
Right: 1.767+/-0.189 χ^2/NDF: 1179.2/41

In: 1.950+/-0.167 χ^2/NDF:1290.5/41

Out: 2.908+/-0.161 χ^2/NDF:1115.2/47

All: 2.447+/-0.116 χ^2/NDF: 2422.7/89

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: 797.697+/-0.186 χ^2/NDF: 575444.2/22

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

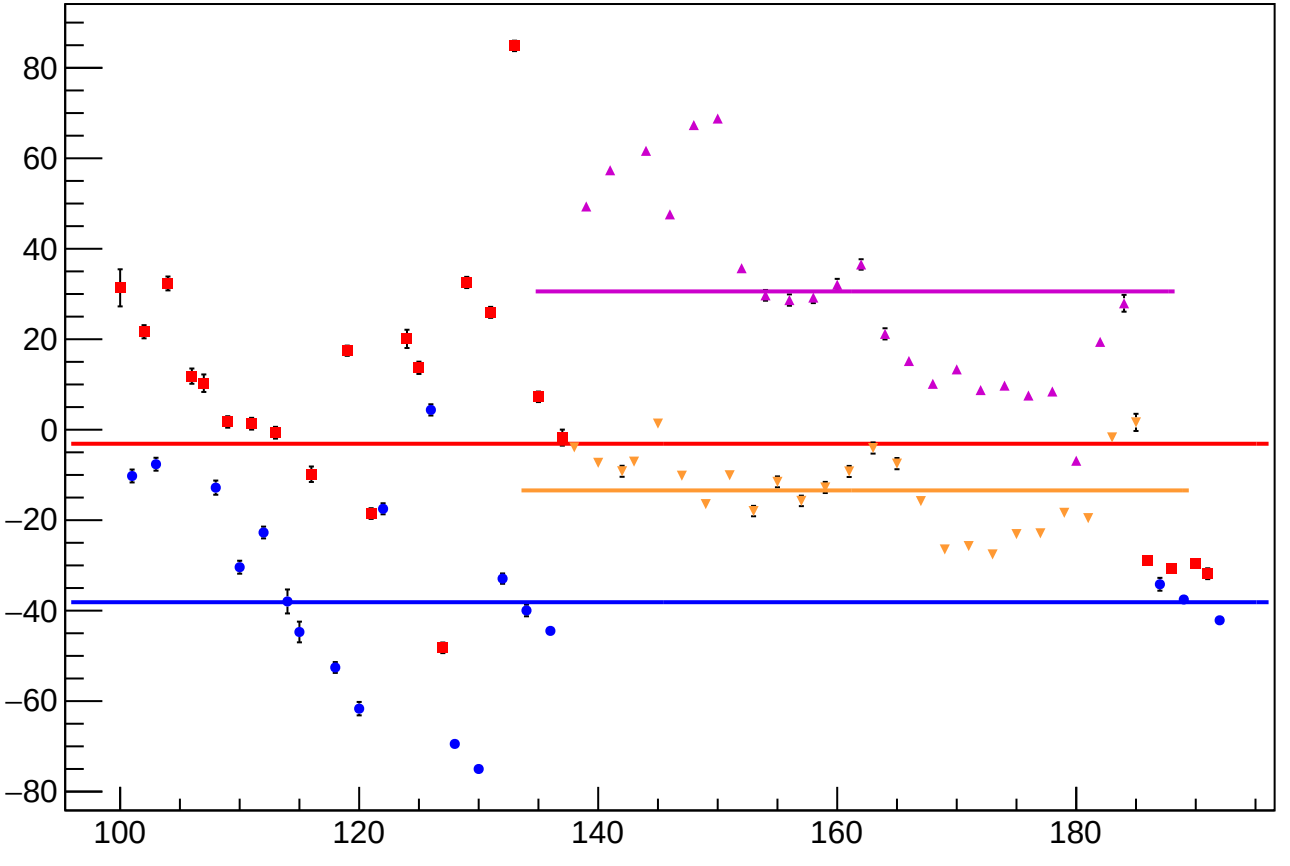
Right: 799.041+/-0.134 χ^2/NDF: 1086109.3/41

In: 863.614+/-0.118 χ^2/NDF:1169641.8/41

Out: 856.197+/-0.114 χ^2/NDF:1251757.8/47

All: 859.769+/-0.082 χ^2/NDF: 2423434.0/89

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: -3.104+/-0.256 χ^2/NDF: 14618.5/22

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

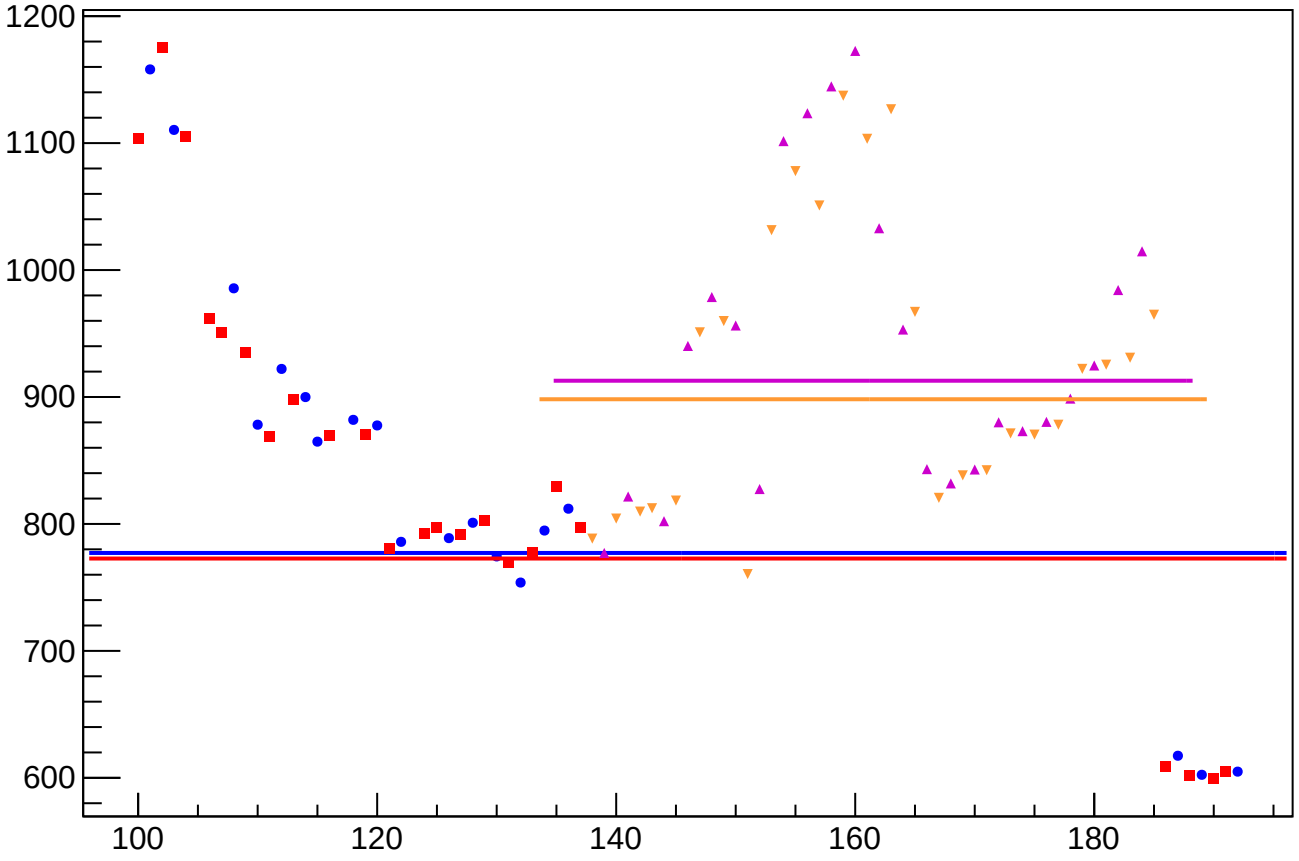
Right: -20.017+/-0.184 χ^2/NDF: 28919.0/41

In: 3.233+/-0.167 χ^2/NDF:56196.1/41

Out: -9.362+/-0.160 χ^2/NDF:17268.9/47

All: -3.316+/-0.116 χ^2/NDF: 76424.3/89

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: 772.752+/-0.181 χ^2/NDF: 703205.8/22

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

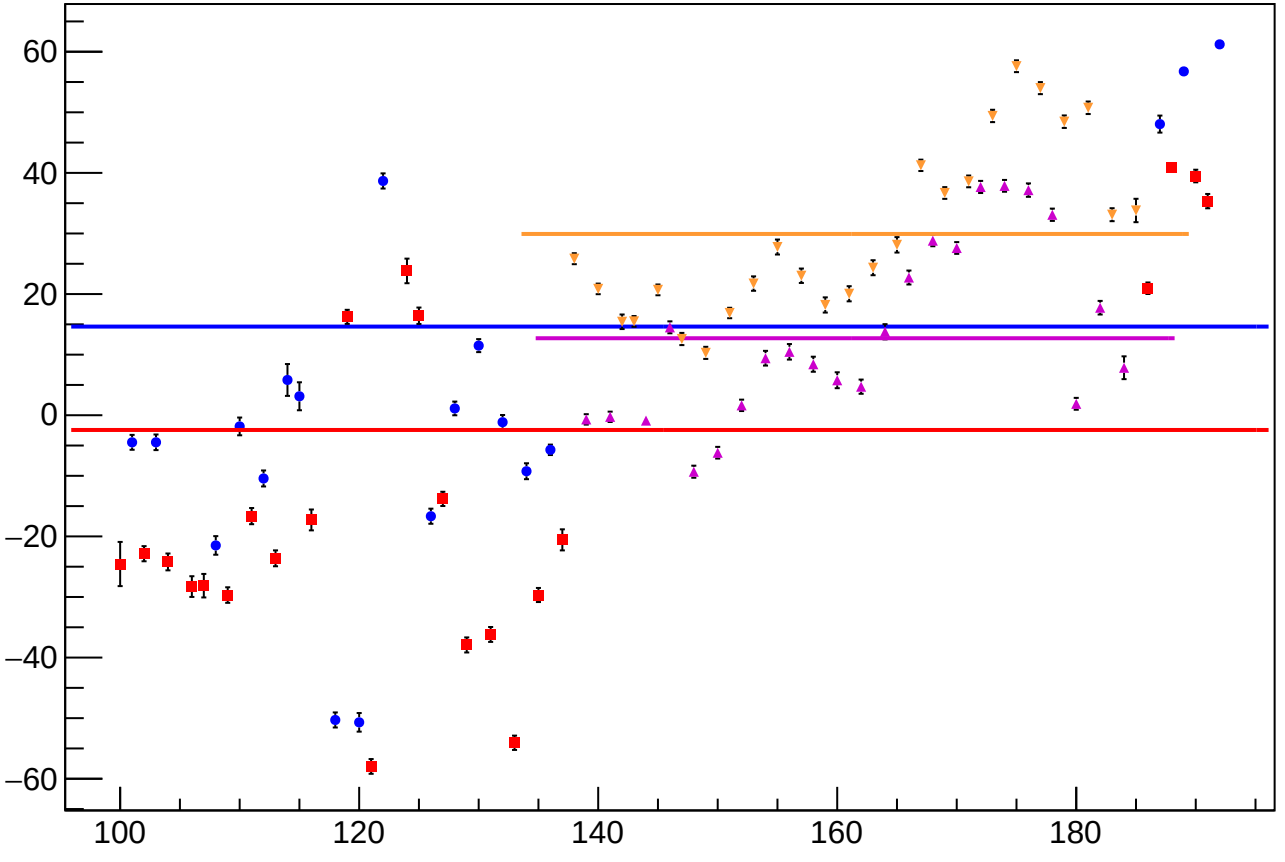
Right: 774.873+/-0.130 χ^2/NDF: 1334199.5/41

In: 858.834+/-0.118 χ^2/NDF:1427100.2/41

Out: 848.866+/-0.113 χ^2/NDF:1513613.1/47

All: 853.650+/-0.082 χ^2/NDF: 2944420.1/89

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: -2.433+/-0.255 χ^2/NDF: 17025.4/22

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

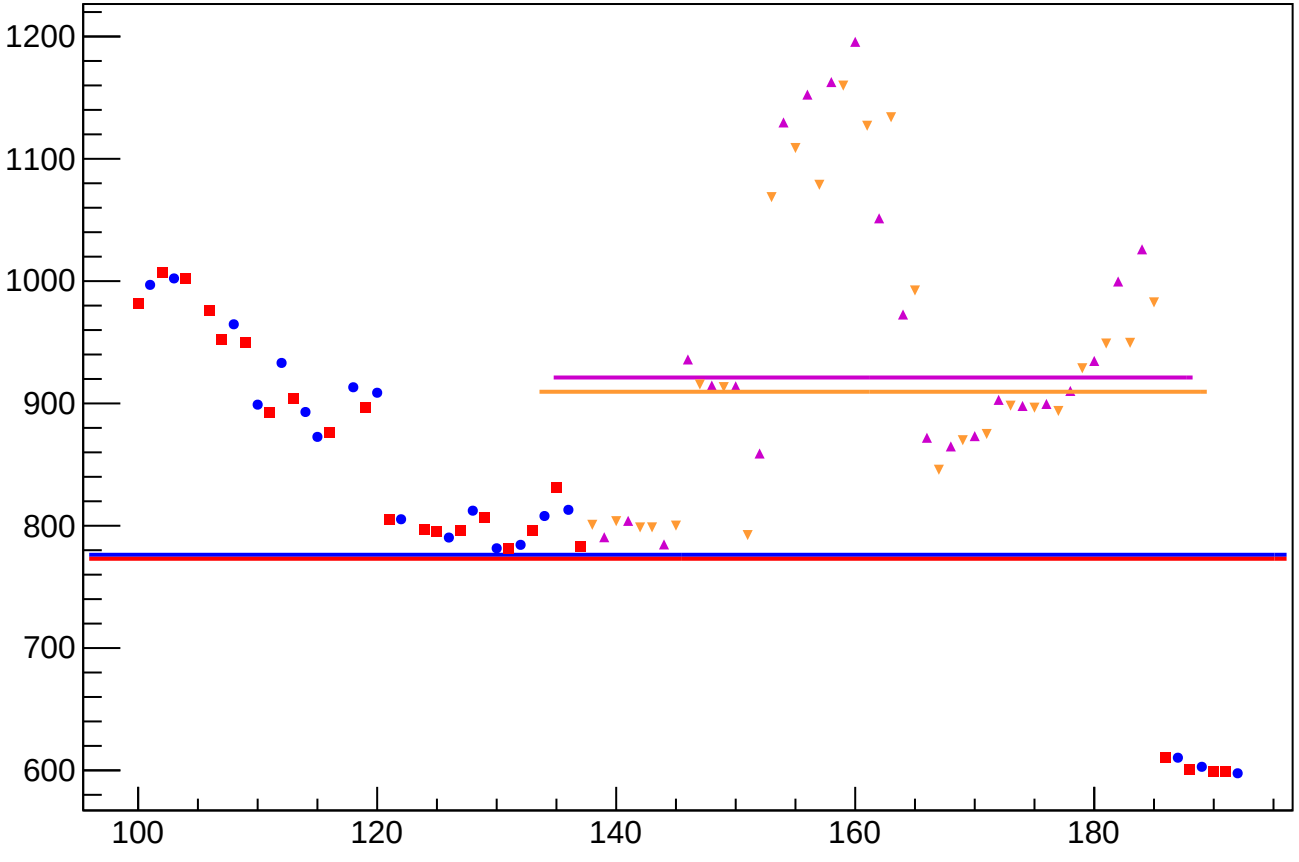
Right: 5.818+/-0.183 χ^2/NDF: 36533.2/41

In: 13.486+/-0.168 χ^2/NDF:22167.5/41

Out: 16.962+/-0.161 χ^2/NDF:31246.3/47

All: 15.289+/-0.116 χ^2/NDF: 53636.9/89

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: 773.003+/-0.180 χ^2/NDF: 606104.8/22

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

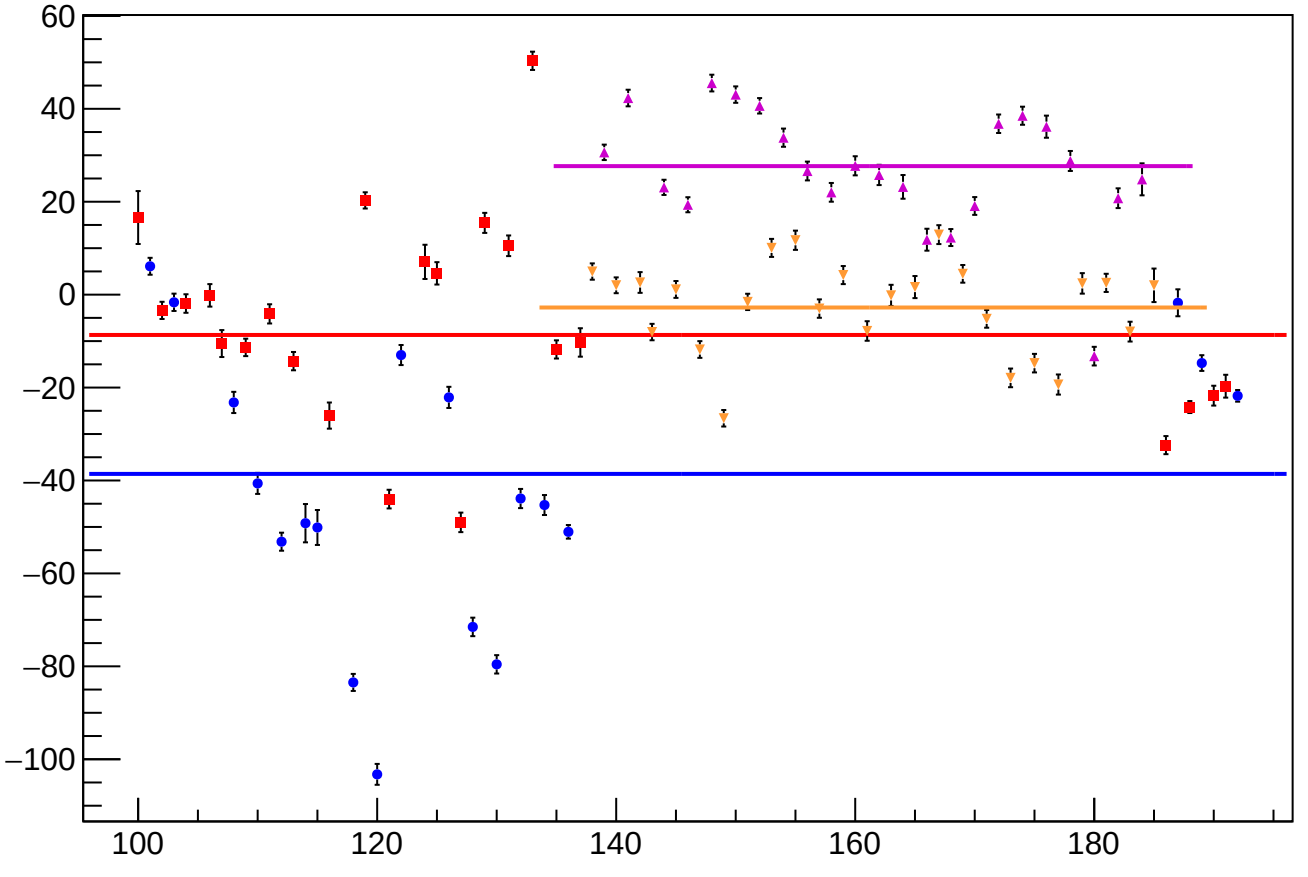
Right: 774.579+/-0.130 χ^2/NDF: 1148795.7/41

In: 862.640+/-0.119 χ^2/NDF:1399917.8/41

Out: 854.856+/-0.114 χ^2/NDF:1491229.9/47

All: 858.603+/-0.082 χ^2/NDF: 2893384.9/89

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: -8.676+/-0.442 χ^2/NDF: 2559.7/22

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

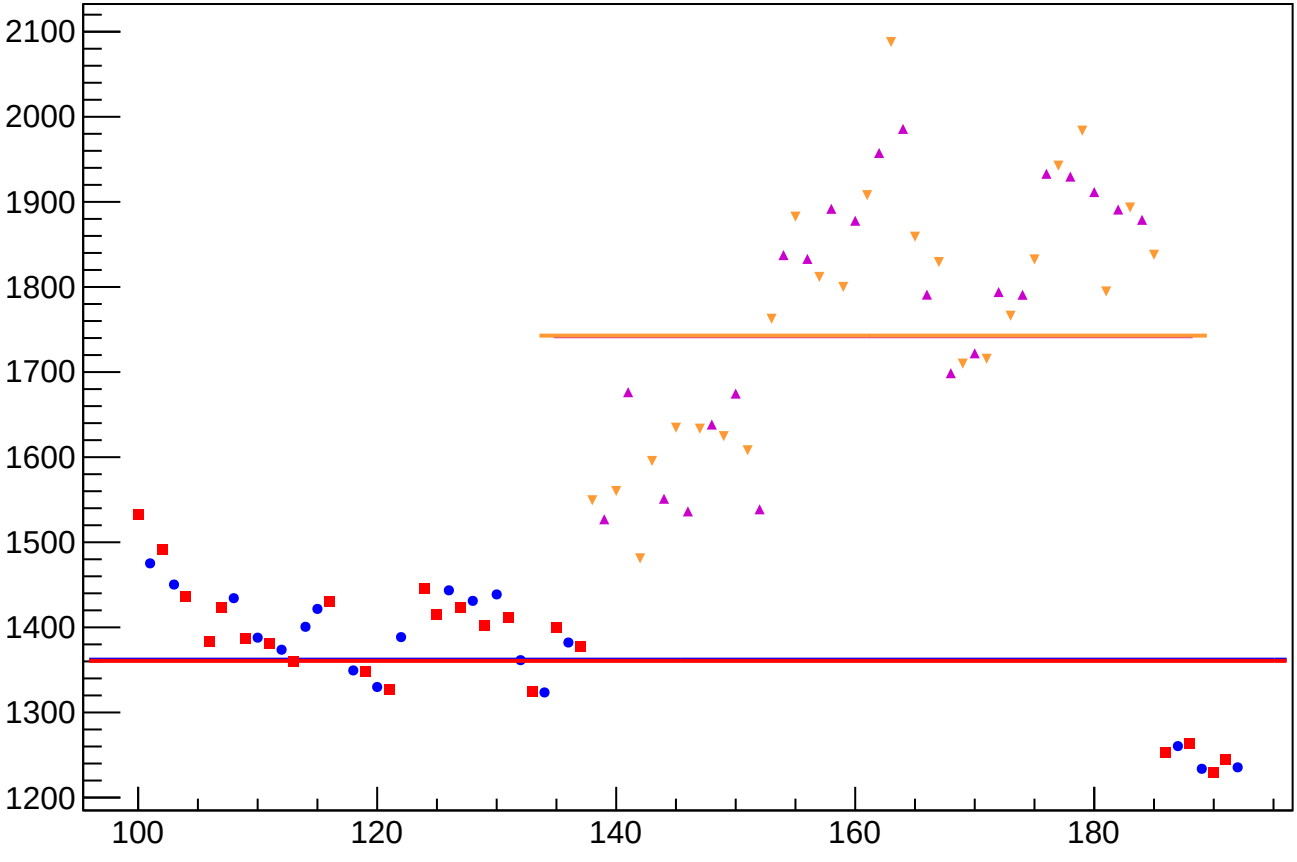
Right: -23.169+/-0.318 χ^2/NDF: 8838.8/41

In: -1.830+/-0.304 χ^2/NDF:16750.0/41

Out: -5.406+/-0.296 χ^2/NDF:3274.5/47

All: -3.670+/-0.212 χ^2/NDF: 20095.6/89

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: 1360.628+/-0.313 χ^2/NDF: 55063.4/22

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

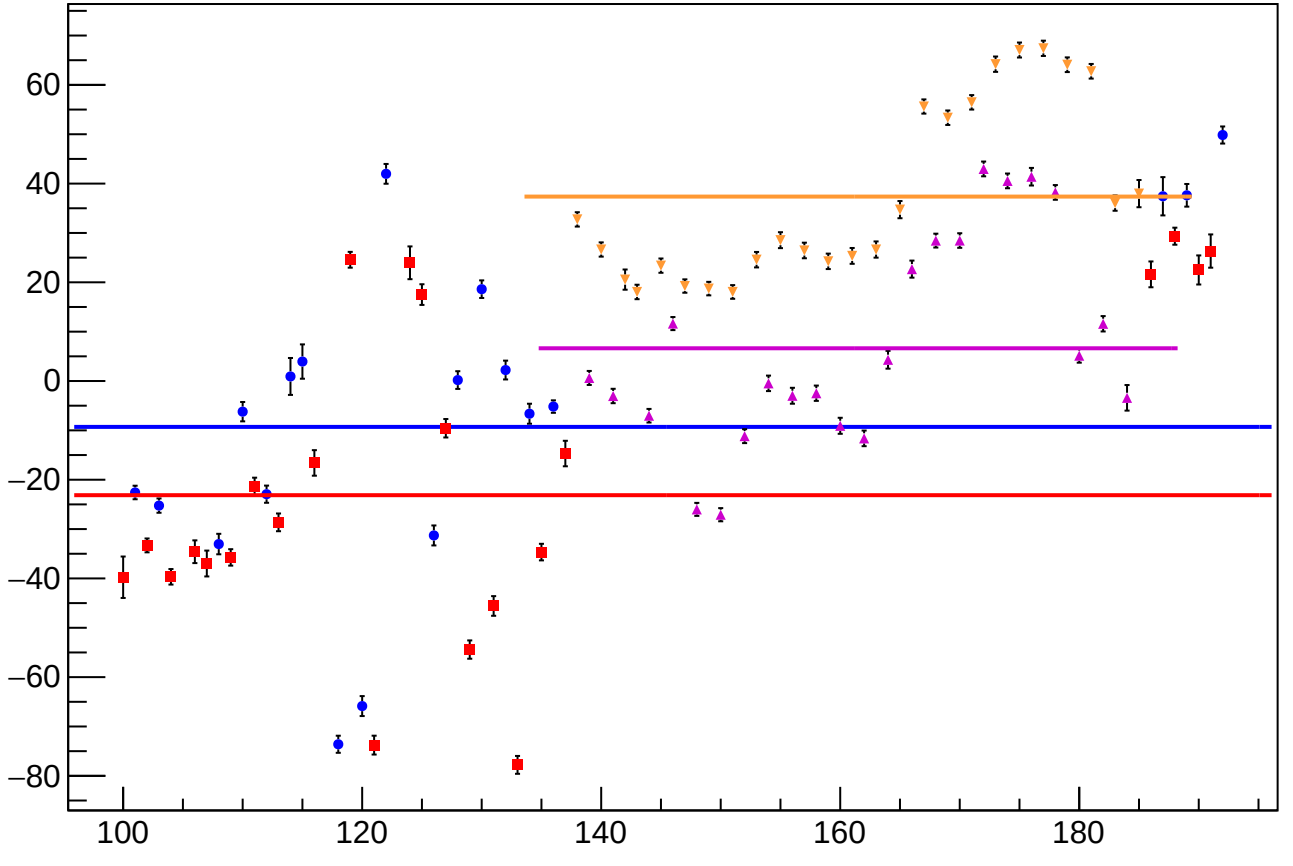
Right: 1361.318+/-0.225 χ^2/NDF: 114421.1/41

In: 1572.929+/-0.215 χ^2/NDF:1091017.2/41

Out: 1572.171+/-0.209 χ^2/NDF:1144256.8/47

All: 1572.539+/-0.150 χ^2/NDF: 2235280.4/89

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: -23.134+/-0.417 χ^2/NDF: 5578.5/22

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

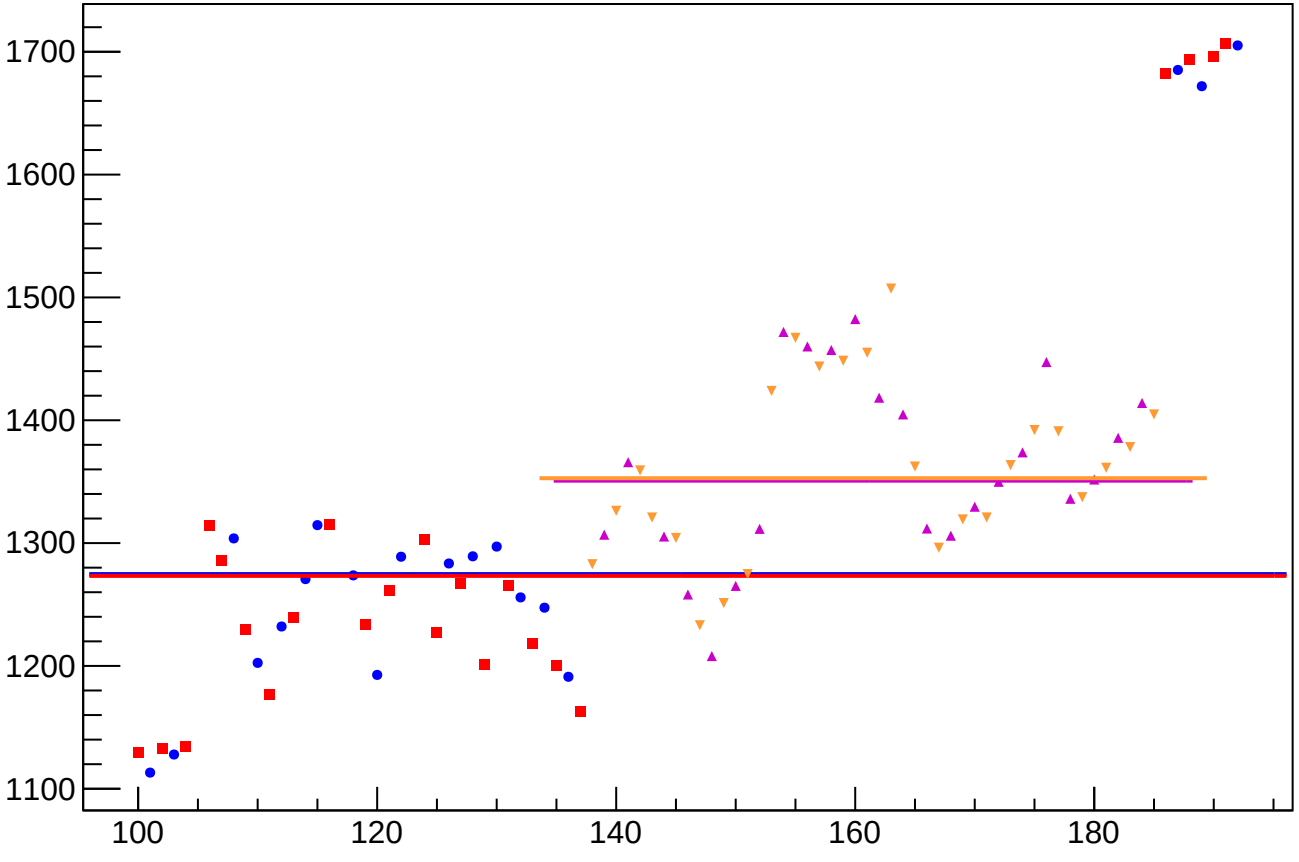
Right: -16.422+/-0.299 χ^2/NDF: 11530.1/41

In: 1.039+/-0.255 χ^2/NDF:10719.5/41

Out: 16.028+/-0.248 χ^2/NDF:22596.9/47

All: 8.740+/-0.178 χ^2/NDF: 35096.9/89

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: 1273.325+/-0.295 χ^2/NDF: 303651.2/22

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

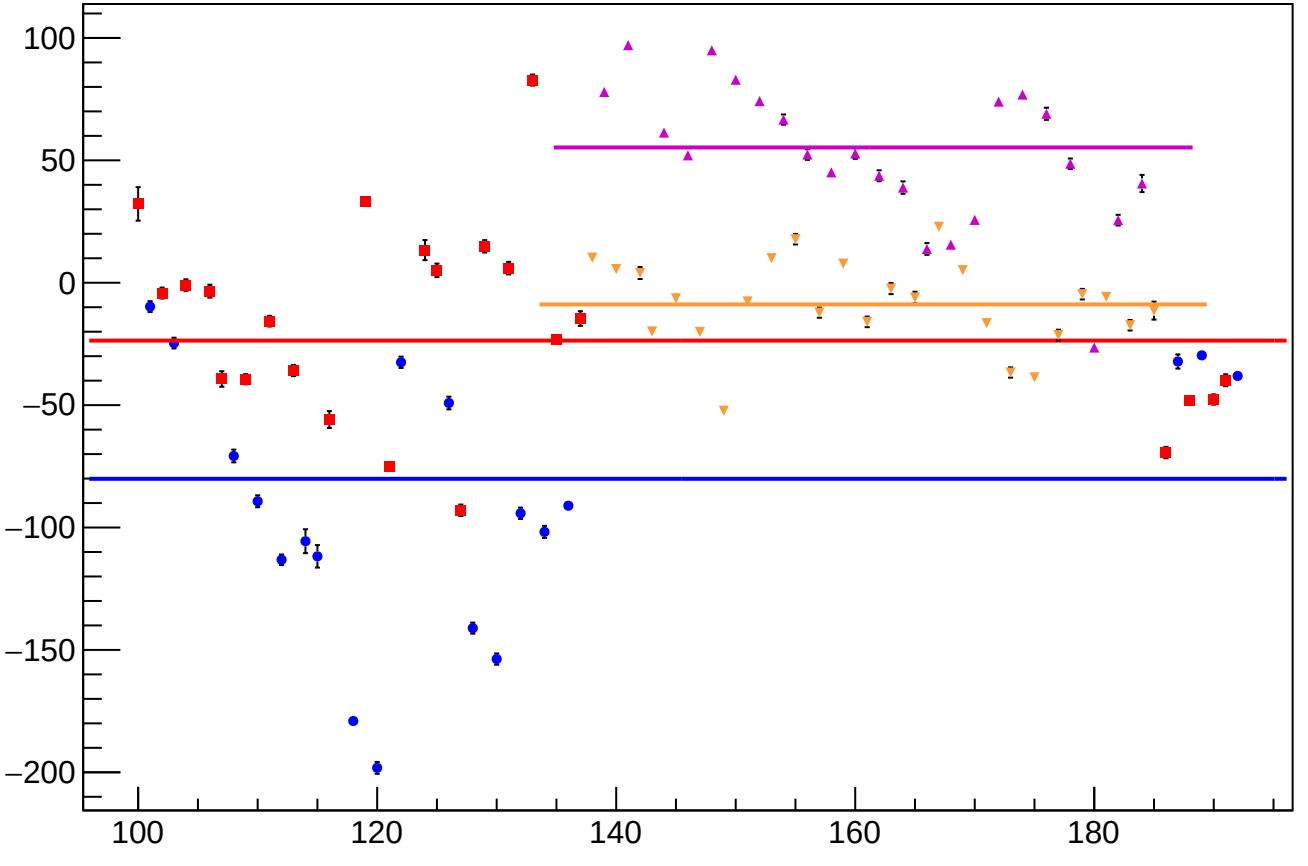
Right: 1274.020+/-0.212 χ^2/NDF: 575670.6/41

In: 1324.123+/-0.180 χ^2/NDF:421298.6/41

Out: 1324.780+/-0.175 χ^2/NDF:455531.7/47

All: 1324.461+/-0.126 χ^2/NDF: 876837.1/89

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: -23.630+/-0.484 χ^2/NDF: 6560.0/22

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

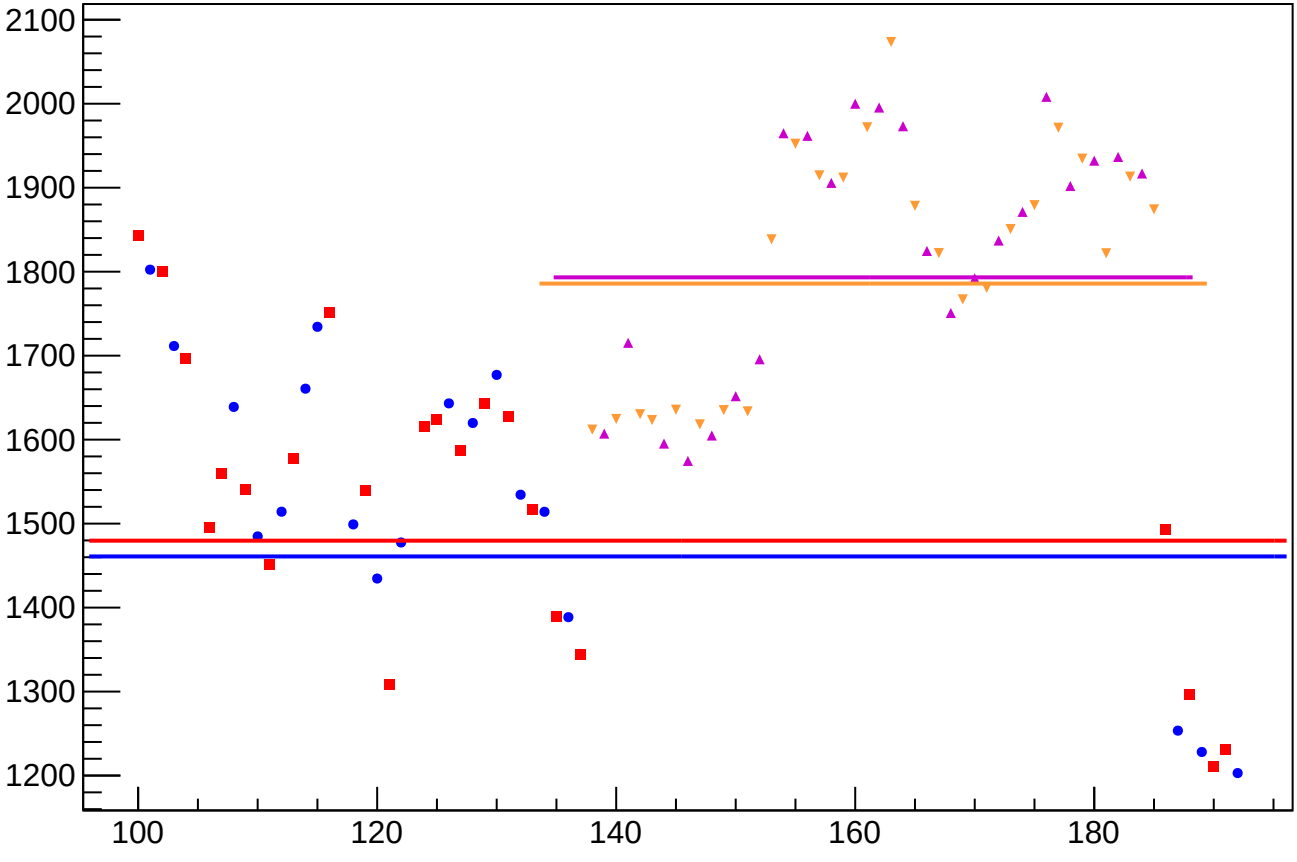
Right: -51.340+/-0.345 χ^2/NDF: 24806.3/41

In: -1.794+/-0.320 χ^2/NDF:59976.2/41

Out: -14.988+/-0.311 χ^2/NDF:9059.2/47

All: -8.566+/-0.223 χ^2/NDF: 69908.9/89

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: 1479.693+/-0.342 χ^2/NDF: 227605.0/22

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

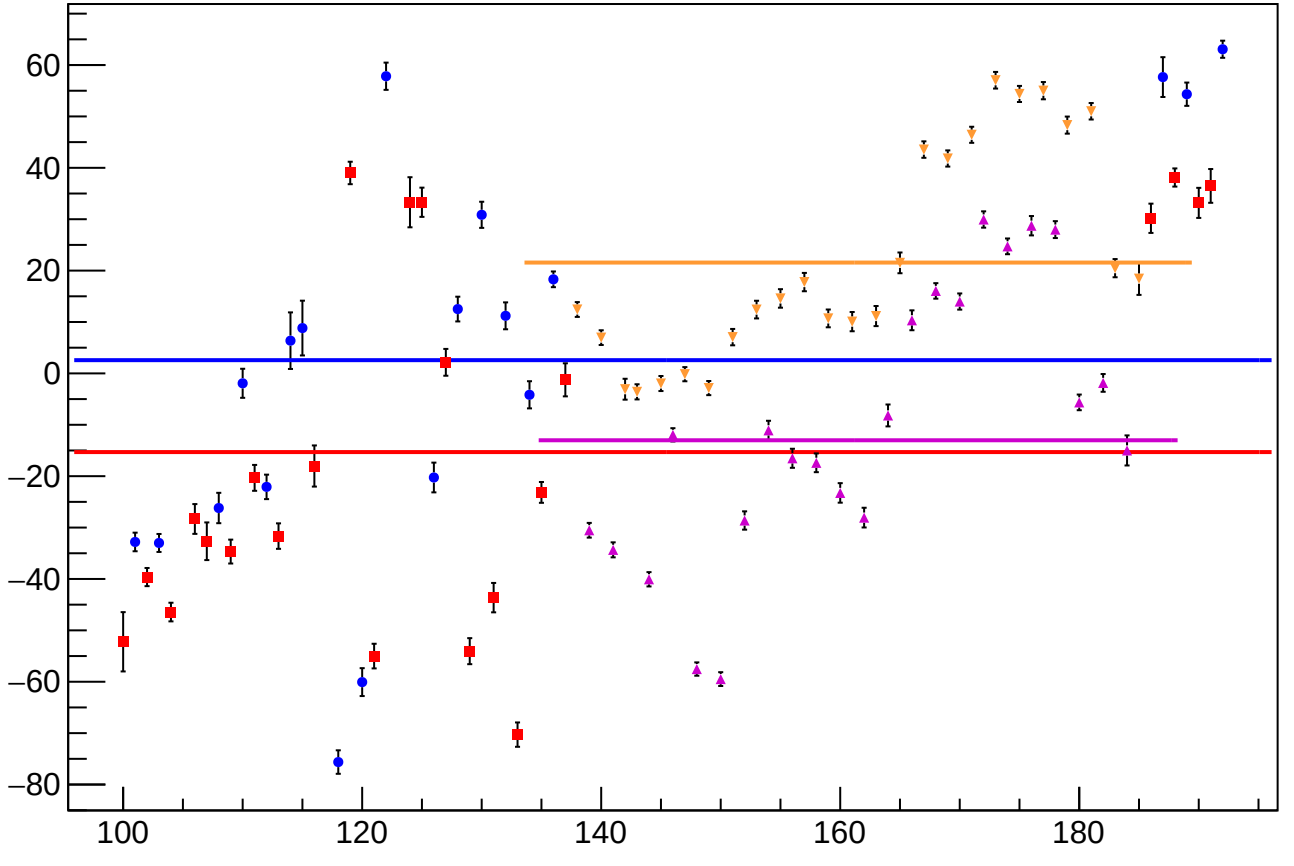
Right: 1470.477+/-0.244 χ^2/NDF: 507437.5/41

In: 1653.156+/-0.226 χ^2/NDF:1057804.6/41

Out: 1658.815+/-0.220 χ^2/NDF:933942.3/47

All: 1656.060+/-0.158 χ^2/NDF: 1992068.3/89

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: -15.310+/-0.530 χ^2/NDF: 4609.6/22

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

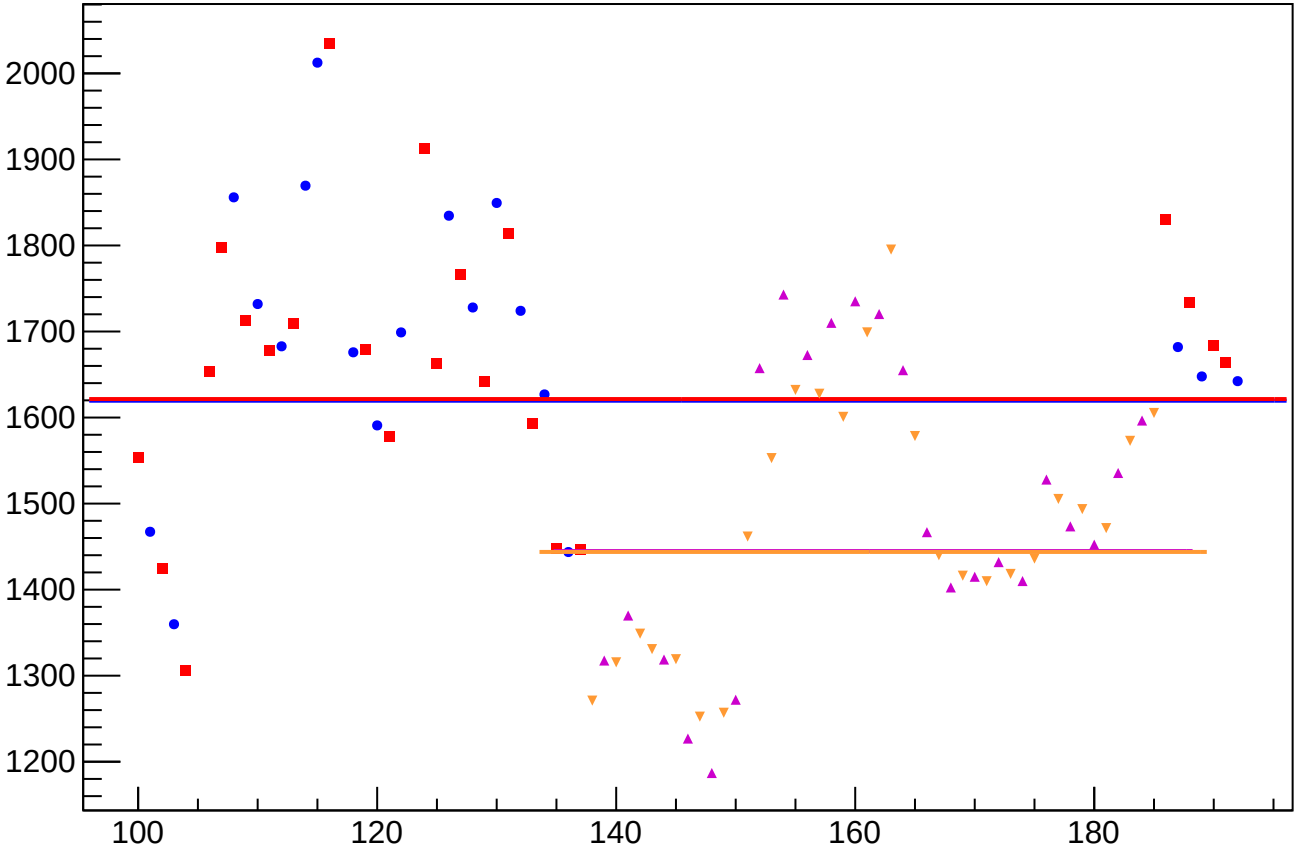
Right: -6.615+/-0.380 χ^2/NDF: 10669.6/41

In: -8.643+/-0.288 χ^2/NDF:12722.7/41

Out: 11.266+/-0.280 χ^2/NDF:12260.4/47

All: 1.604+/-0.201 χ^2/NDF: 27435.1/89

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: 1621.502+/-0.375 χ^2/NDF: 184440.7/22

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

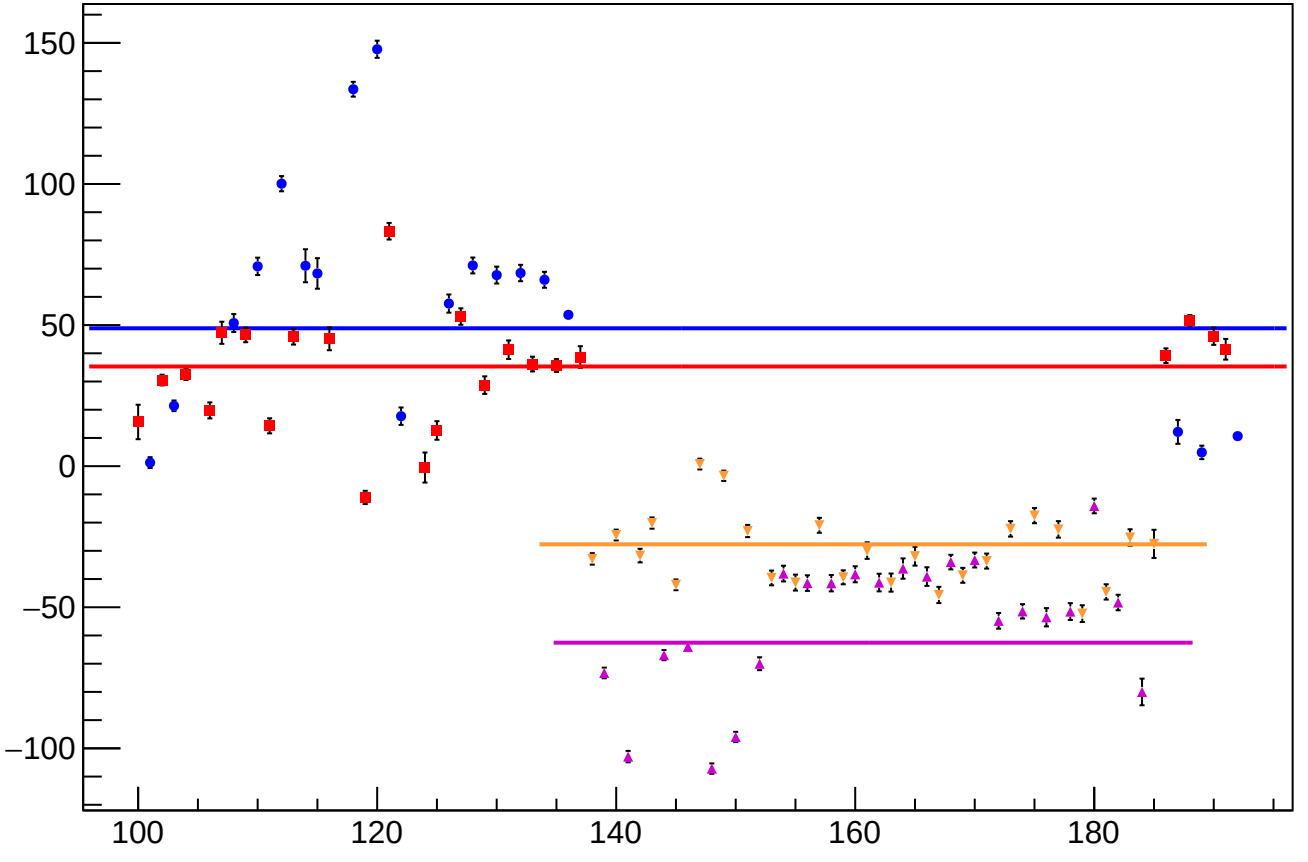
Right: 1620.567+/-0.269 χ^2/NDF: 340595.4/41

In: 1493.820+/-0.204 χ^2/NDF:789507.8/41

Out: 1493.457+/-0.198 χ^2/NDF:698869.5/47

All: 1493.633+/-0.142 χ^2/NDF: 1488378.9/89

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: 35.331+/-0.578 χ^2/NDF: 1043.4/22

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

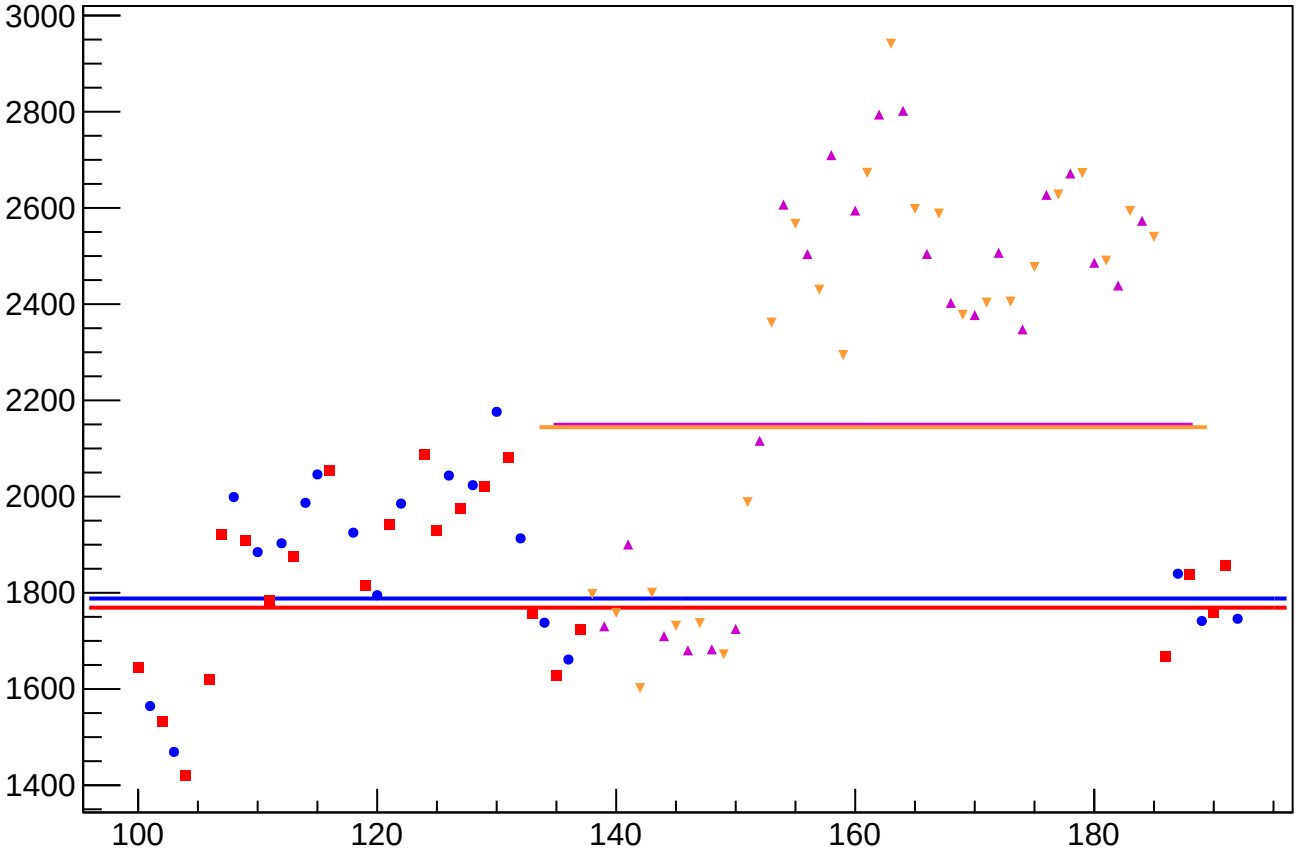
Right: 41.825+/-0.417 χ^2/NDF: 5843.8/41

In: -15.810+/-0.390 χ^2/NDF:26884.7/41

Out: -0.967+/-0.376 χ^2/NDF:8655.1/47

All: -8.128+/-0.271 χ^2/NDF: 36290.0/89

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: 1769.120+/-0.409 χ^2/NDF: 196966.7/22

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

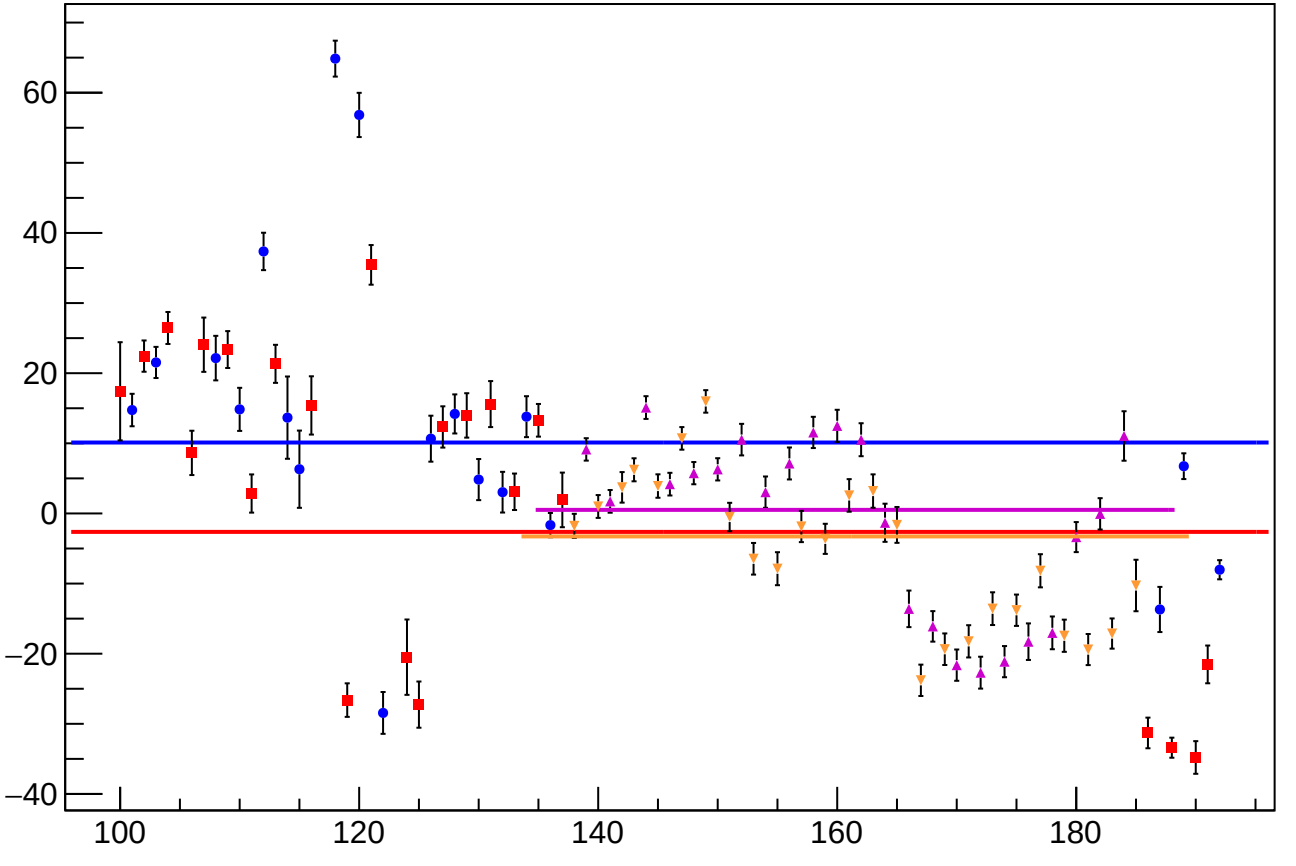
Right: 1778.232+/-0.295 χ^2/NDF: 393675.2/41

In: 1997.797+/-0.276 χ^2/NDF:1879506.8/41

Out: 1985.156+/-0.266 χ^2/NDF:1961813.0/47

All: 1991.254+/-0.191 χ^2/NDF: 3842407.9/89

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: -2.630+/-0.558 χ^2/NDF: 1917.0/22

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

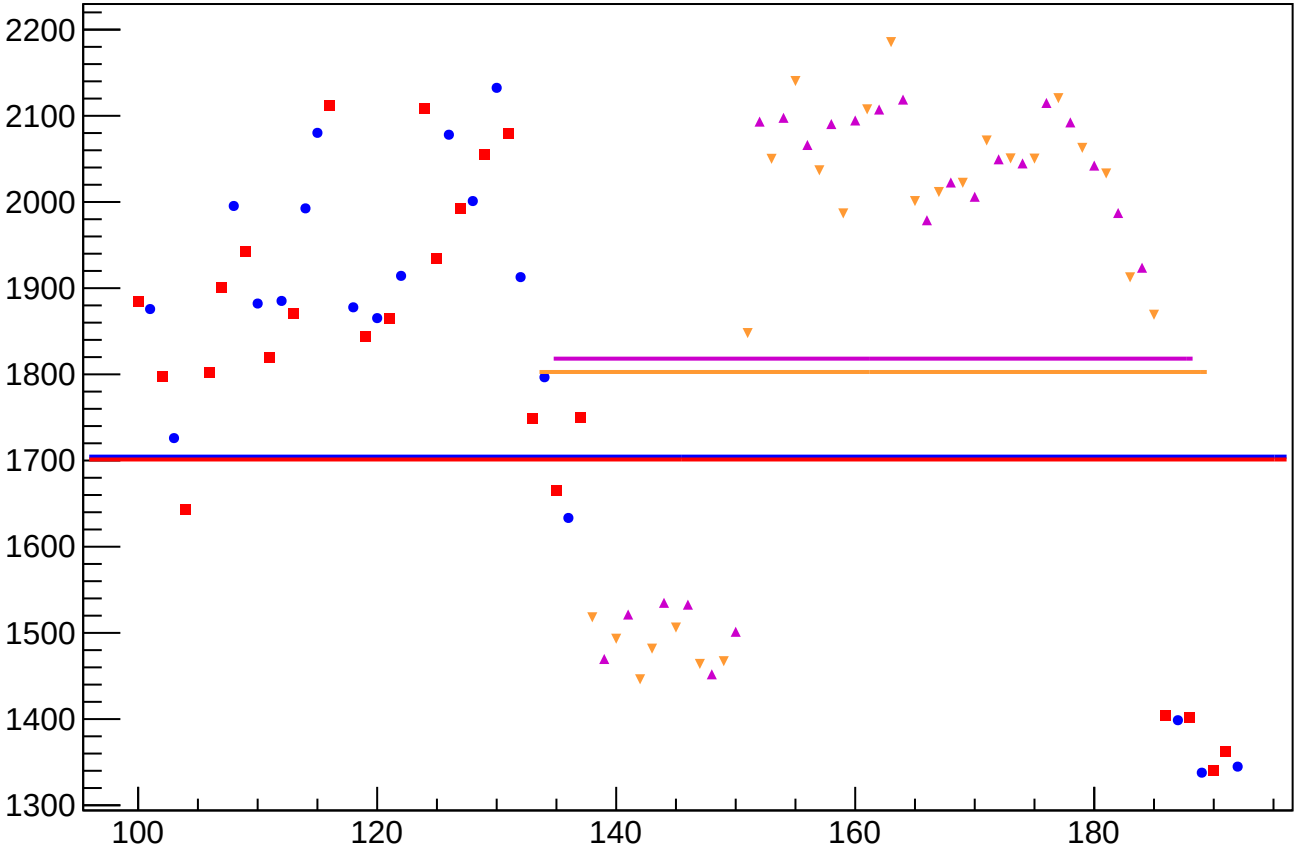
Right: 3.528+/-0.401 χ^2/NDF: 3457.9/41

In: 3.934+/-0.345 χ^2/NDF:2212.9/41

Out: -3.046+/-0.333 χ^2/NDF:2589.0/47

All: 0.322+/-0.239 χ^2/NDF: 5014.1/89

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: 1701.205+/-0.395 χ^2/NDF: 373602.0/22

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

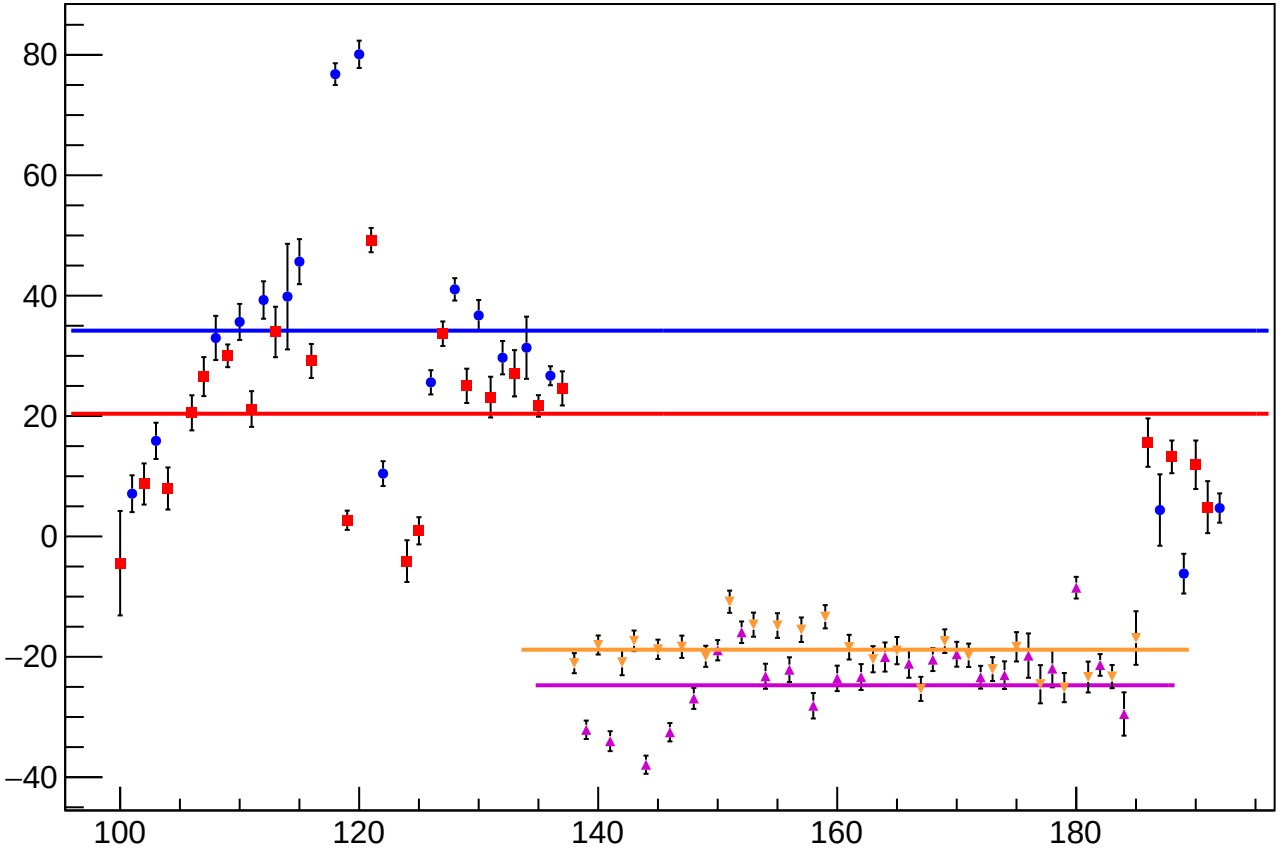
Right: 1702.815+/-0.284 χ^2/NDF: 799058.2/41

In: 1777.699+/-0.244 χ^2/NDF:1315662.6/41

Out: 1766.658+/-0.235 χ^2/NDF:1313608.1/47

All: 1771.985+/-0.169 χ^2/NDF: 2630332.0/89

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: 20.384+/-0.563 χ^2/NDF: 610.8/22

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

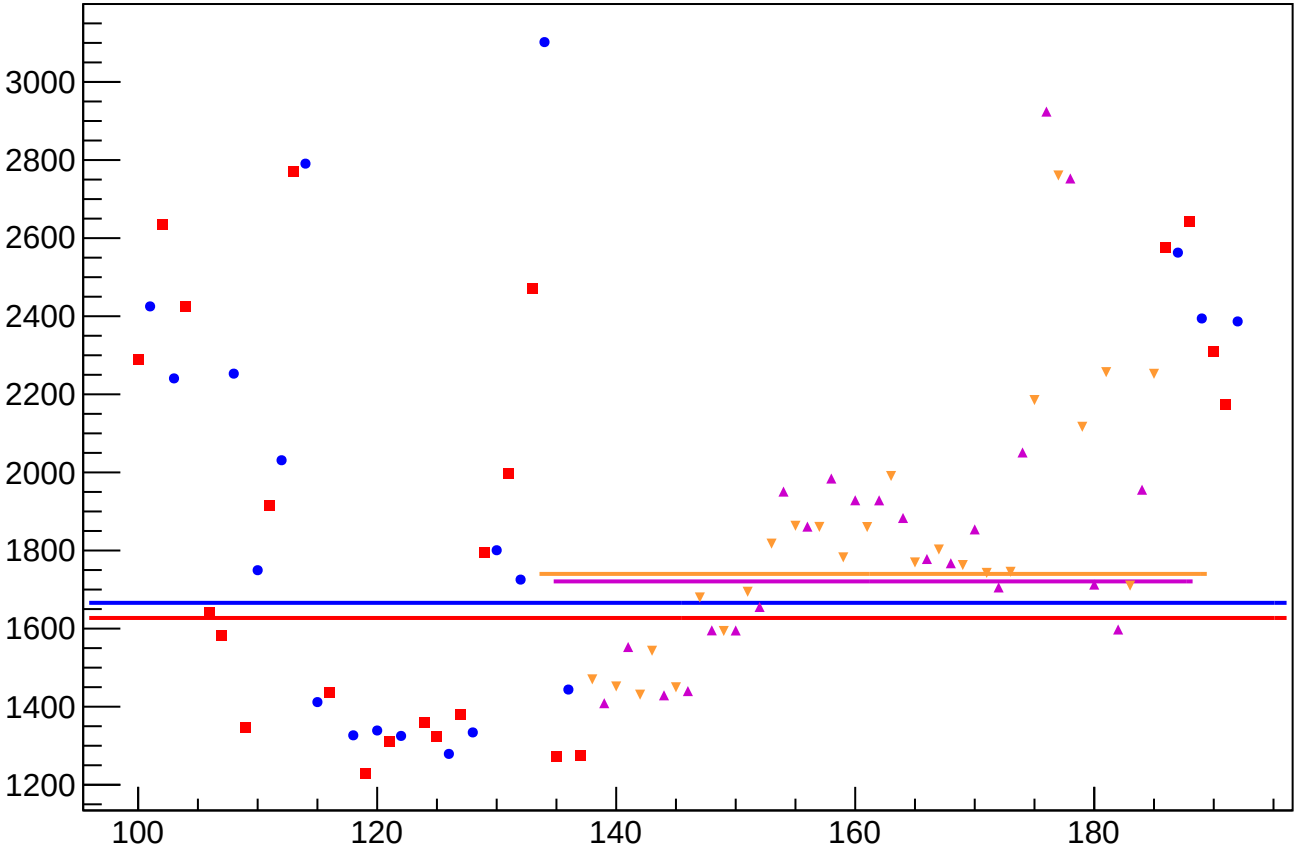
Right: 26.959+/-0.407 χ^2/NDF: 2503.9/41

In: -5.630+/-0.336 χ^2/NDF:8649.9/41

Out: -5.577+/-0.327 χ^2/NDF:3898.2/47

All: -5.603+/-0.234 χ^2/NDF: 12548.2/89

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: 1627.222+/-0.398 χ^2/NDF: 1480997.9/22

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

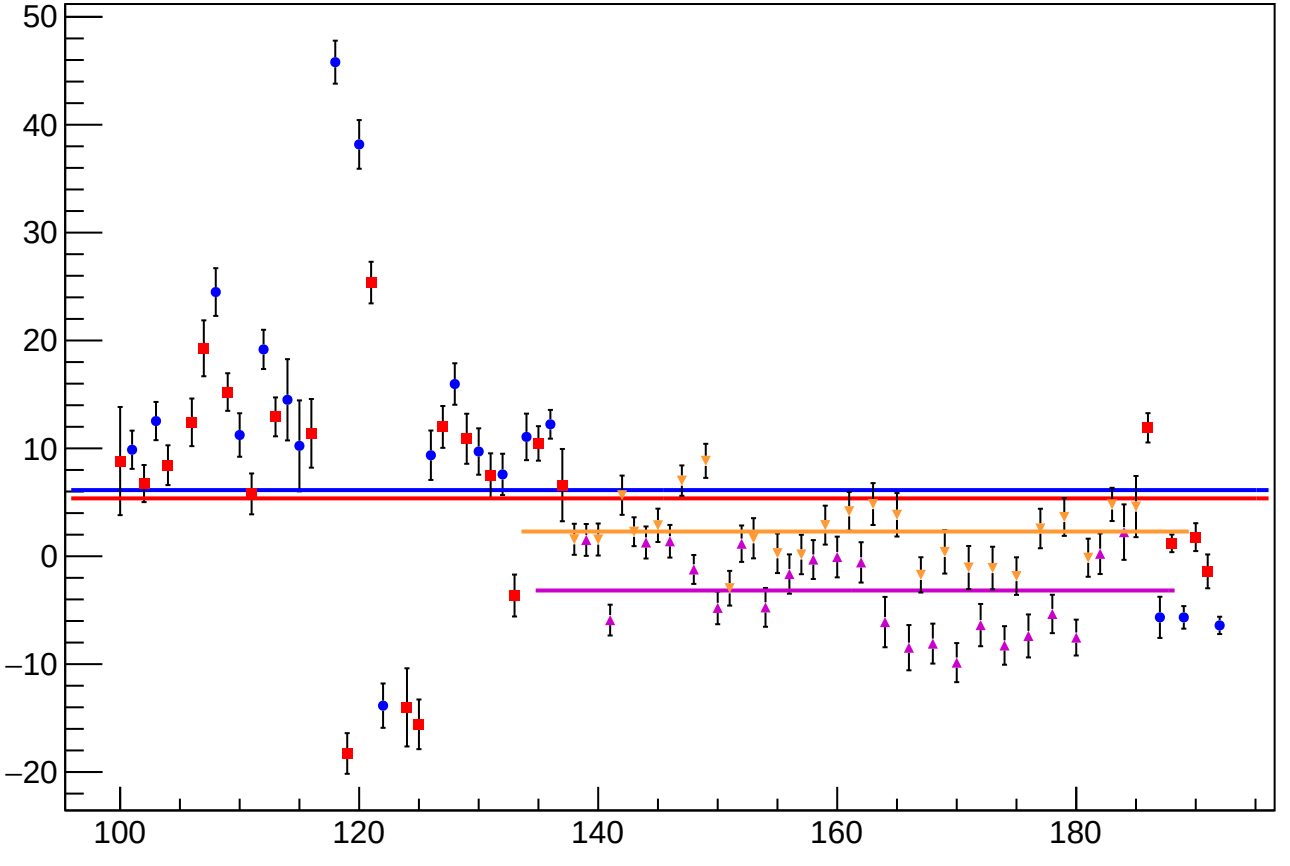
Right: 1645.682+/-0.288 χ^2/NDF: 2627310.4/41

In: 1703.072+/-0.238 χ^2/NDF:2037473.4/41

Out: 1701.971+/-0.231 χ^2/NDF:2287641.7/47

All: 1702.506+/-0.166 χ^2/NDF: 4325126.1/89

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: 5.364+/-0.370 χ^2/NDF: 598.2/22

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

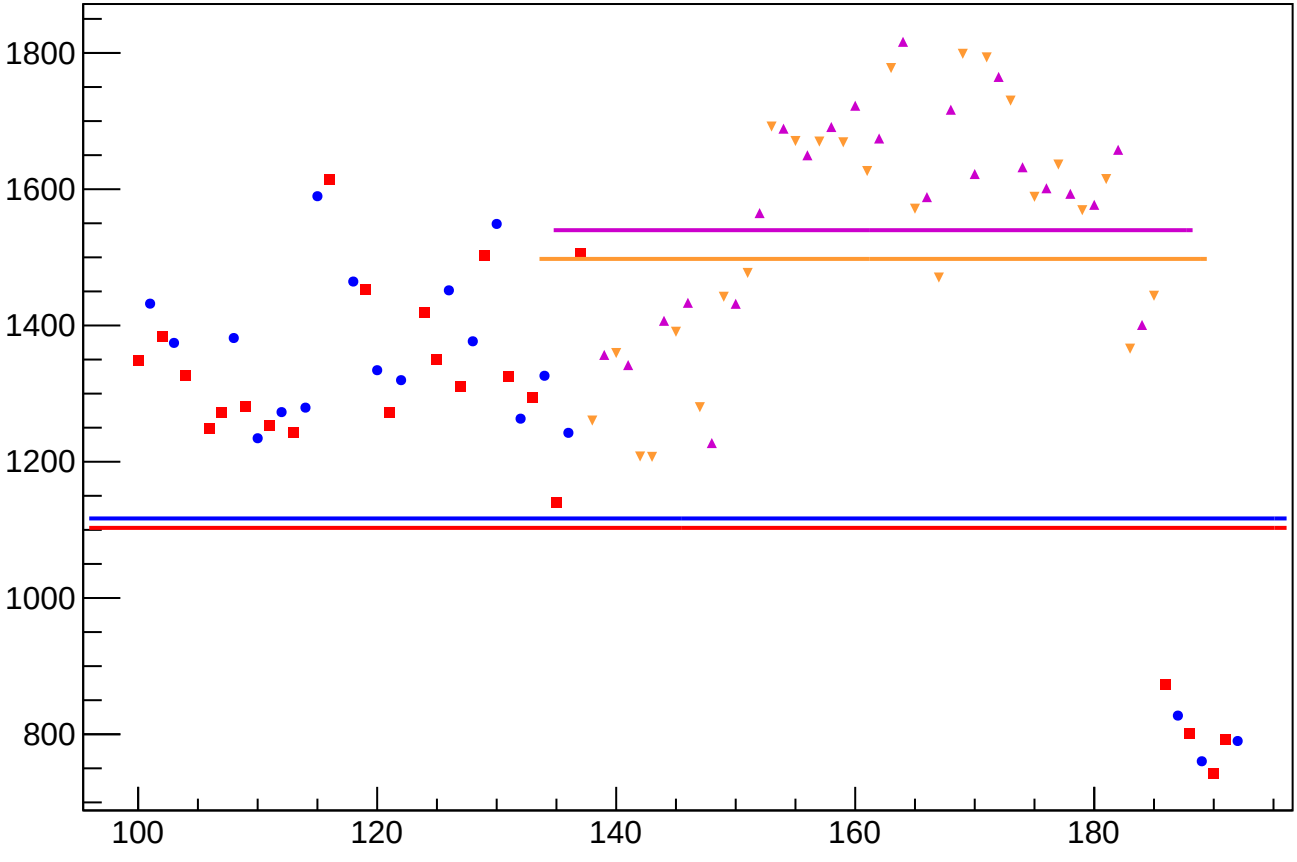
Right: 5.731+/-0.267 χ^2/NDF: 1910.2/41

In: 1.173+/-0.265 χ^2/NDF:1728.2/41

Out: 3.716+/-0.252 χ^2/NDF:708.8/47

All: 2.509+/-0.182 χ^2/NDF: 2485.5/89

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: 1102.924+/-0.261 χ^2/NDF: 1041991.7/22

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

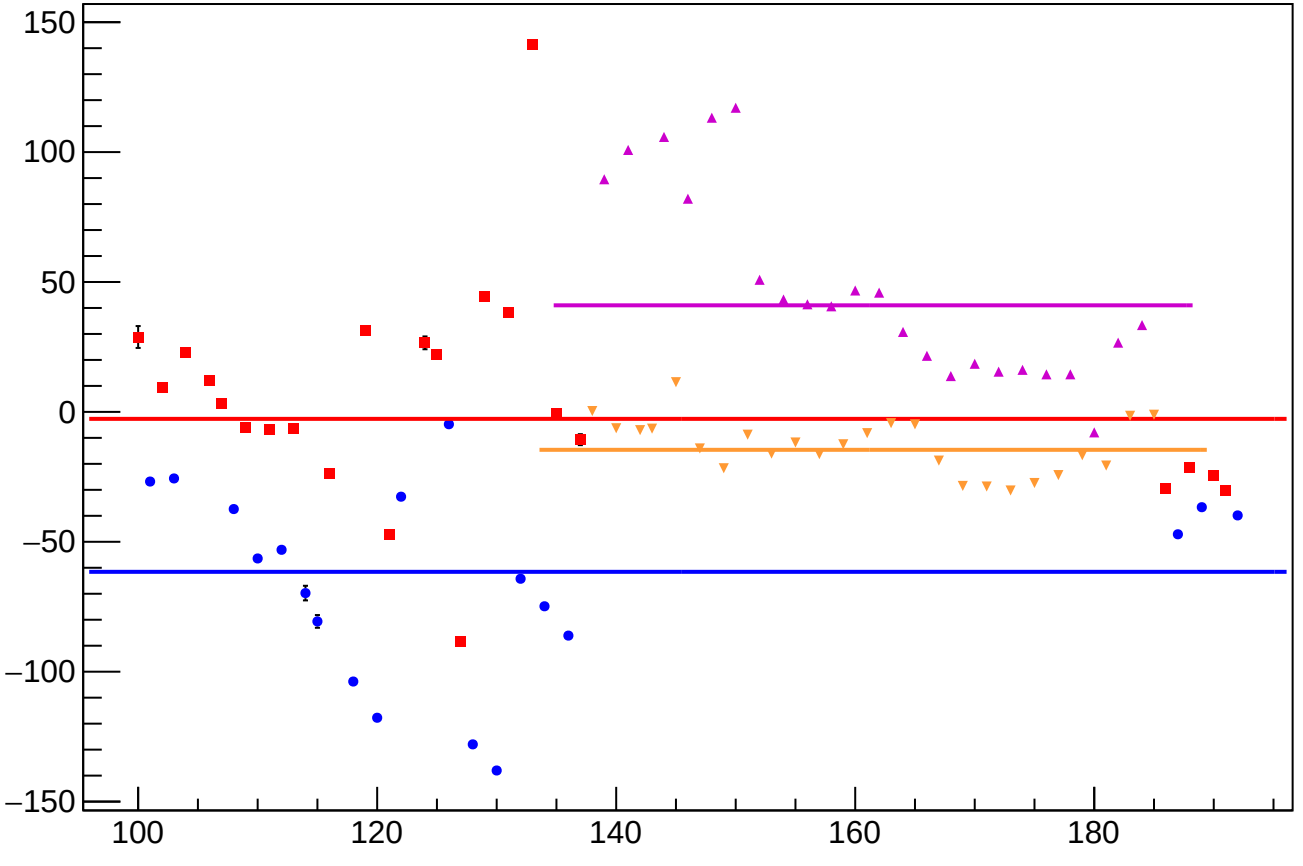
Right: 1109.525+/-0.189 χ^2/NDF: 2145094.4/41

In: 1342.286+/-0.187 χ^2/NDF:2755022.9/41

Out: 1314.723+/-0.178 χ^2/NDF:2835343.6/47

All: 1327.810+/-0.129 χ^2/NDF: 5601764.5/89

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: -2.682+/-0.274 χ^2/NDF: 22899.9/22

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

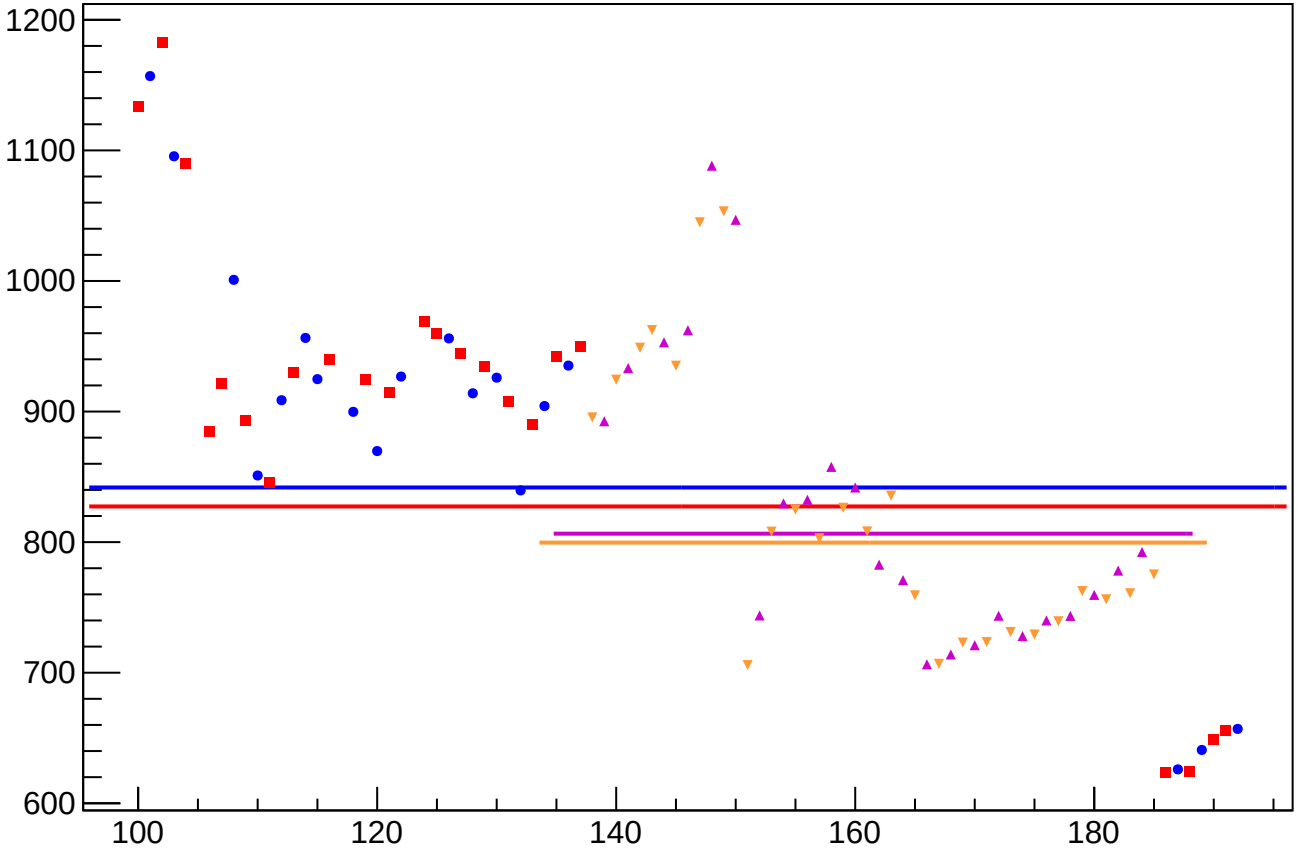
Right: -30.824+/-0.198 χ^2/NDF: 60063.5/41

In: 9.682+/-0.158 χ^2/NDF:135385.5/41

Out: -10.920+/-0.152 χ^2/NDF:27368.6/47

All: -1.020+/-0.110 χ^2/NDF: 171568.7/89

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: 827.325+/-0.194 χ^2/NDF: 696782.2/22

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

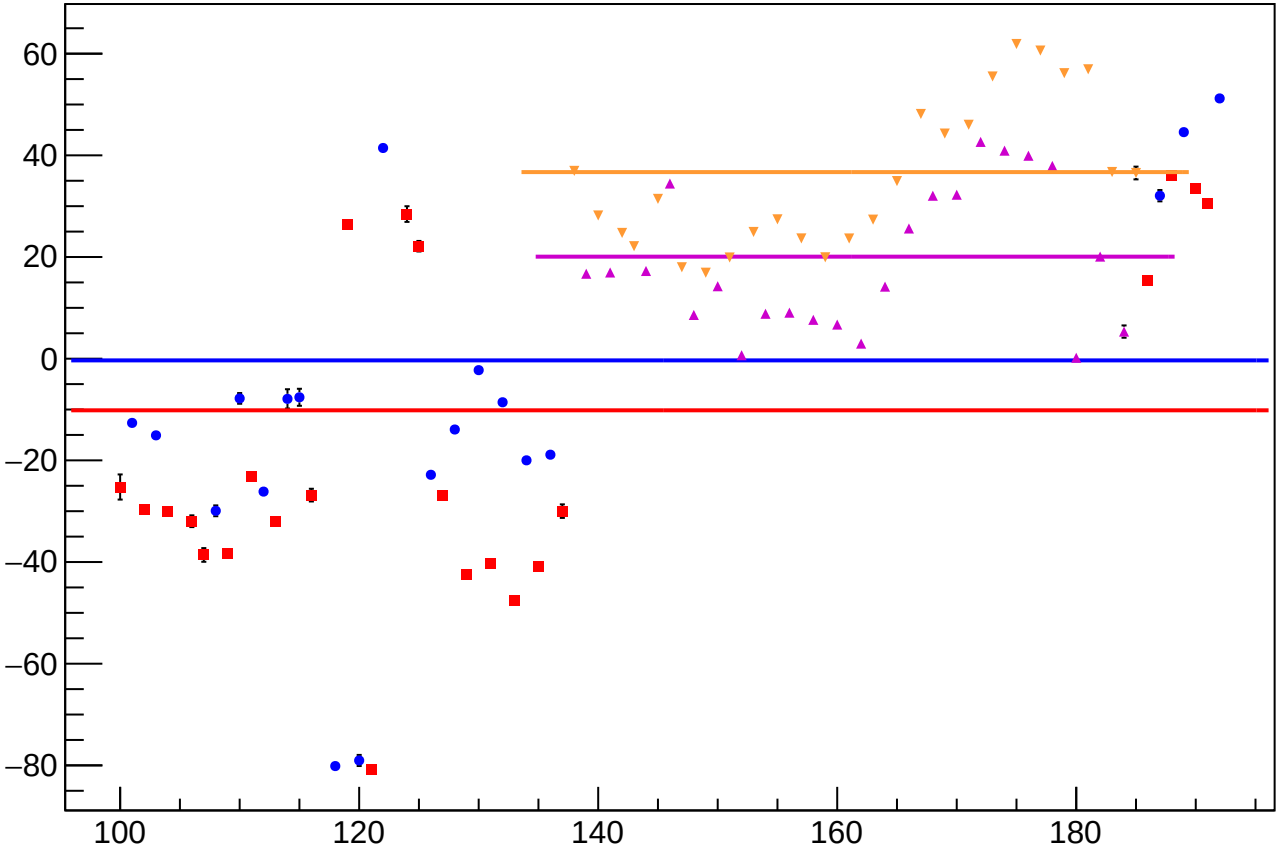
Right: 834.271+/-0.140 χ^2/NDF: 1255921.0/41

In: 817.286+/-0.112 χ^2/NDF:1088973.6/41

Out: 808.185+/-0.108 χ^2/NDF:1208350.8/47

All: 812.558+/-0.078 χ^2/NDF: 2300765.0/89

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: -10.156+/-0.191 χ^2/NDF: 34058.1/22

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

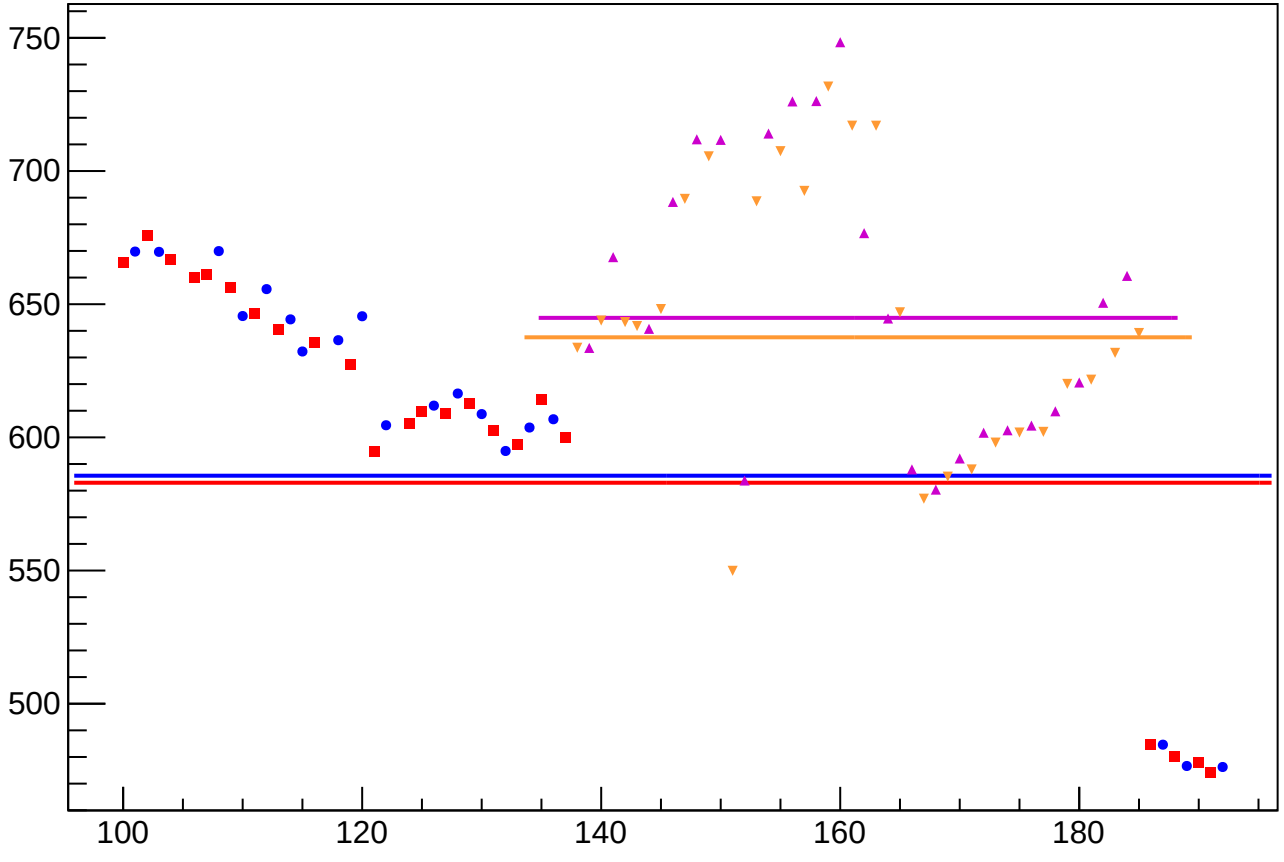
Right: -5.413+/-0.137 χ^2/NDF: 72205.6/41

In: 12.520+/-0.120 χ^2/NDF:52162.8/41

Out: 19.478+/-0.116 χ^2/NDF:82457.9/47

All: 16.129+/-0.083 χ^2/NDF: 136363.5/89

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: 582.967+/-0.135 χ^2/NDF: 289949.1/22

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

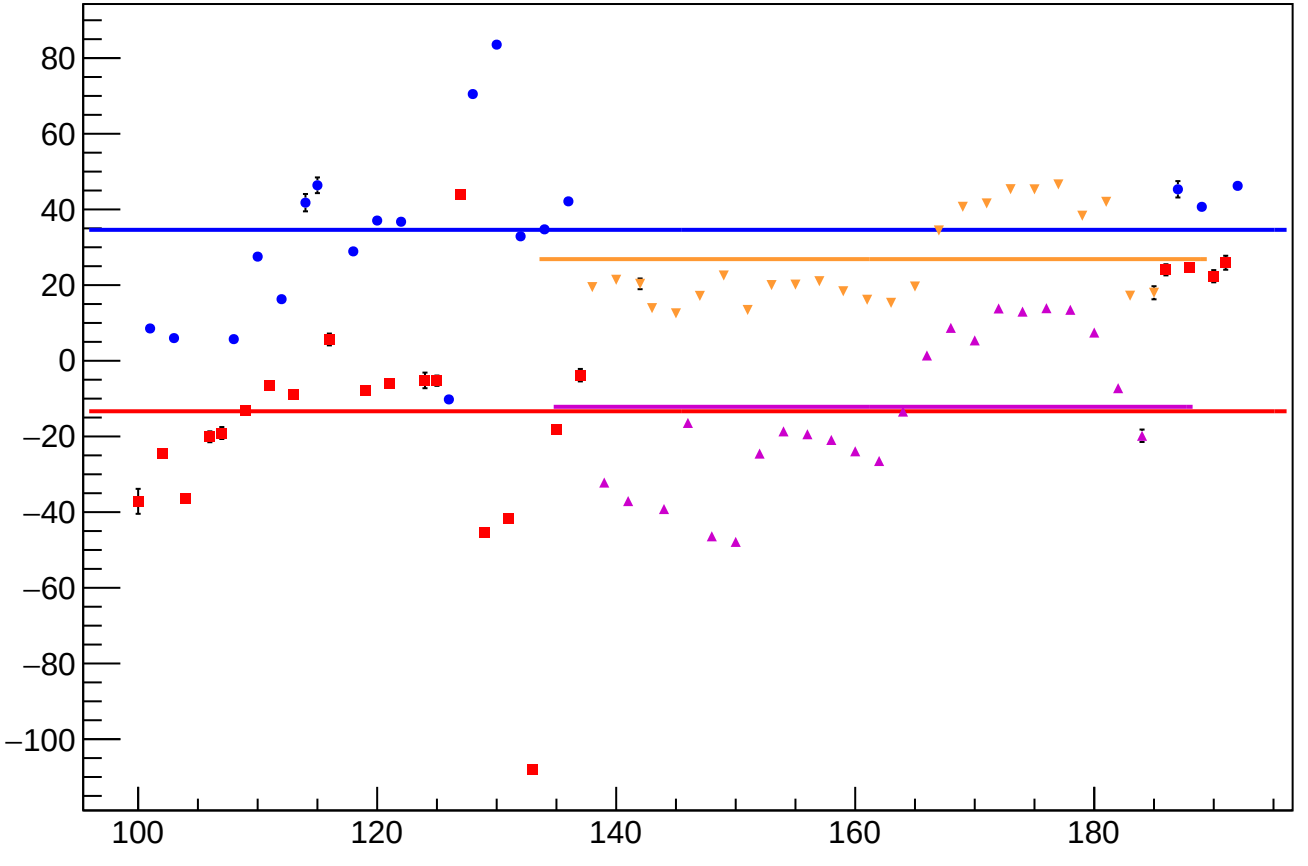
Right: 584.243+/-0.097 χ^2/NDF: 560632.9/41

In: 622.945+/-0.085 χ^2/NDF:613690.9/41

Out: 617.497+/-0.082 χ^2/NDF:630135.2/47

All: 620.120+/-0.059 χ^2/NDF: 1245962.8/89

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: -13.343+/-0.263 χ^2/NDF: 15609.2/22

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

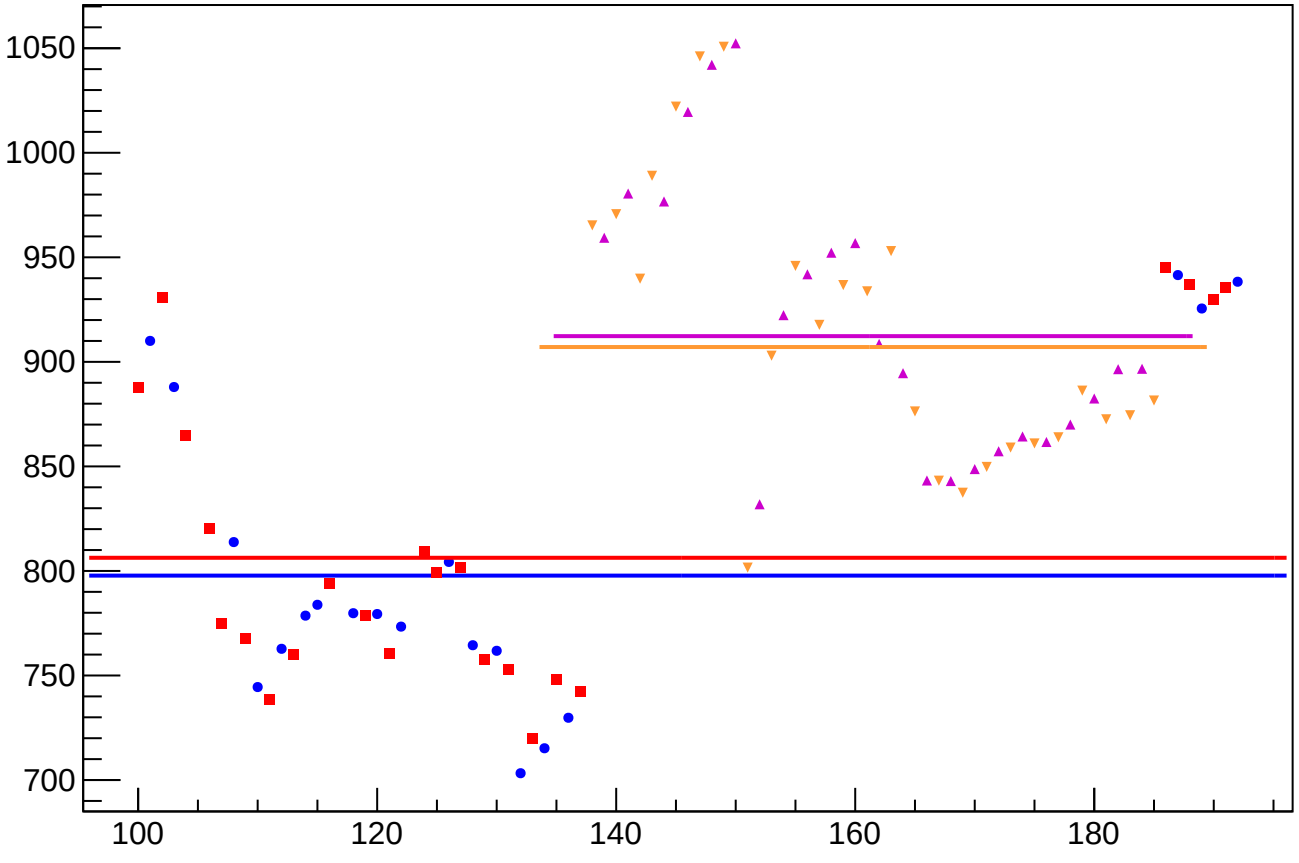
Right: 10.170+/-0.188 χ^2/NDF: 38843.7/41

In: 6.012+/-0.167 χ^2/NDF:34084.7/41

Out: 11.511+/-0.162 χ^2/NDF:33454.6/47

All: 8.838+/-0.116 χ^2/NDF: 68095.8/89

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: 806.298+/-0.186 χ^2/NDF: 155359.1/22

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

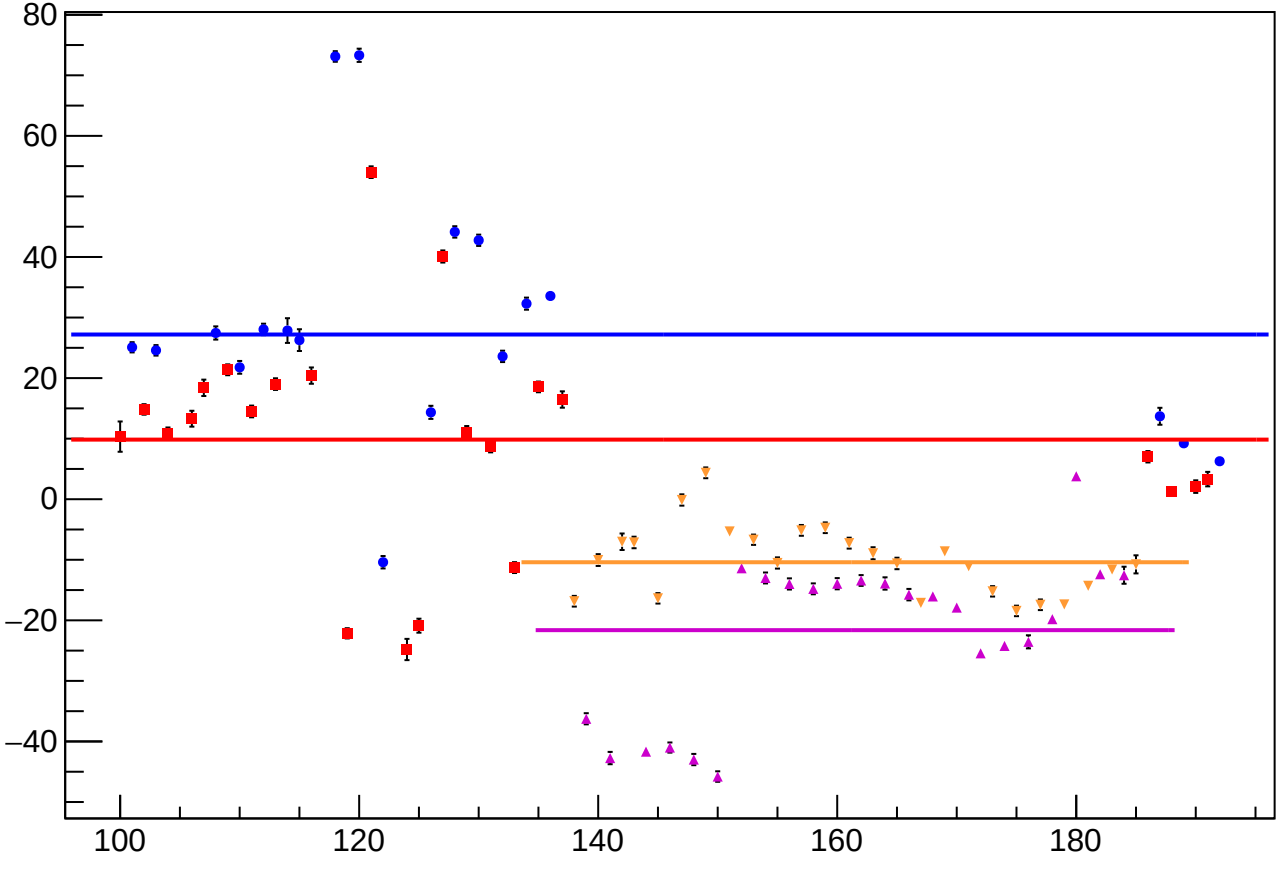
Right: 802.116+/-0.133 χ^2/NDF: 315374.7/41

In: 867.800+/-0.118 χ^2/NDF:556940.0/41

Out: 868.597+/-0.115 χ^2/NDF:531622.6/47

All: 868.210+/-0.082 χ^2/NDF: 1088586.1/89

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: 9.843+/-0.211 χ^2/NDF: 6921.6/22

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

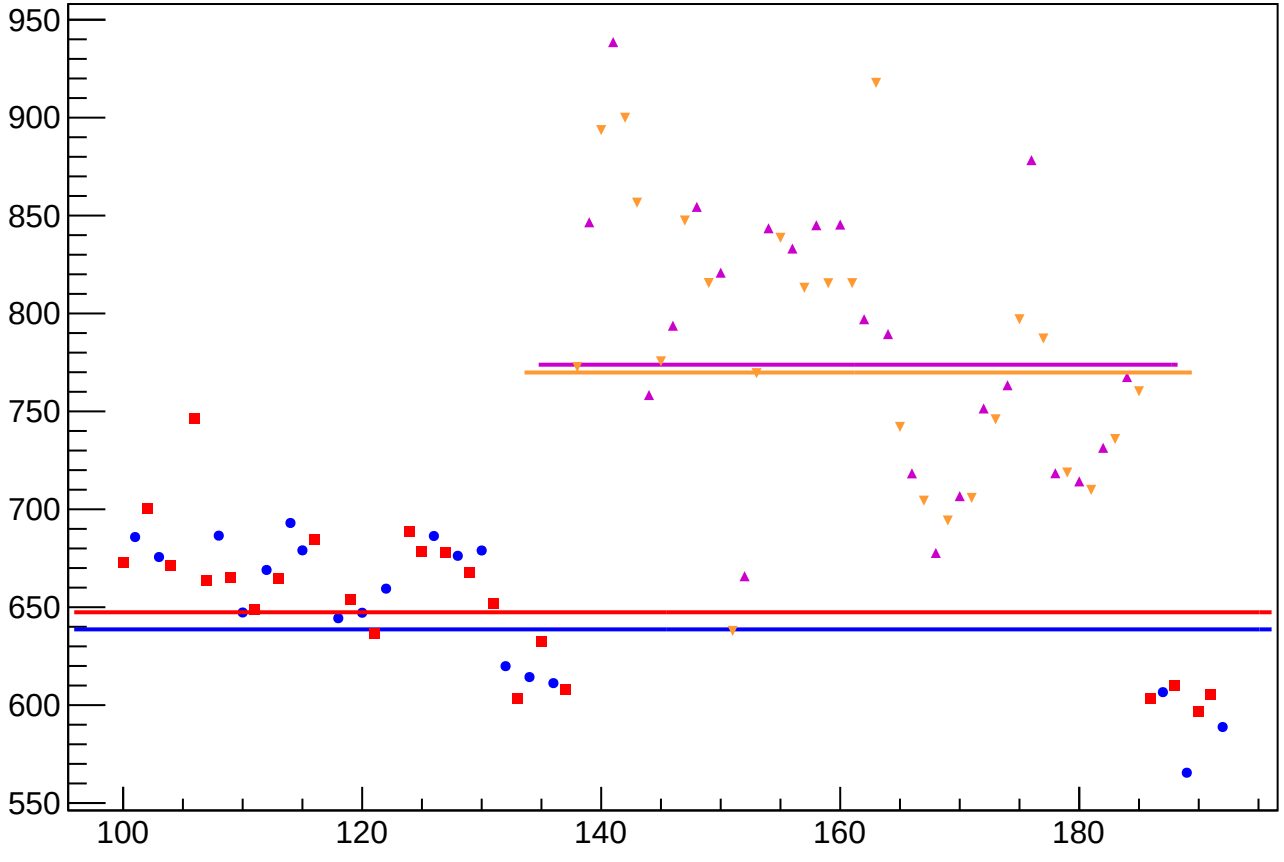
Right: 18.373+/-0.150 χ^2/NDF: 18888.6/41

In: -1.163+/-0.139 χ^2/NDF:44044.2/41

Out: -2.080+/-0.135 χ^2/NDF:13406.3/47

All: -1.634+/-0.097 χ^2/NDF: 57473.0/89

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: 647.416+/-0.149 χ^2/NDF: 54963.2/22

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

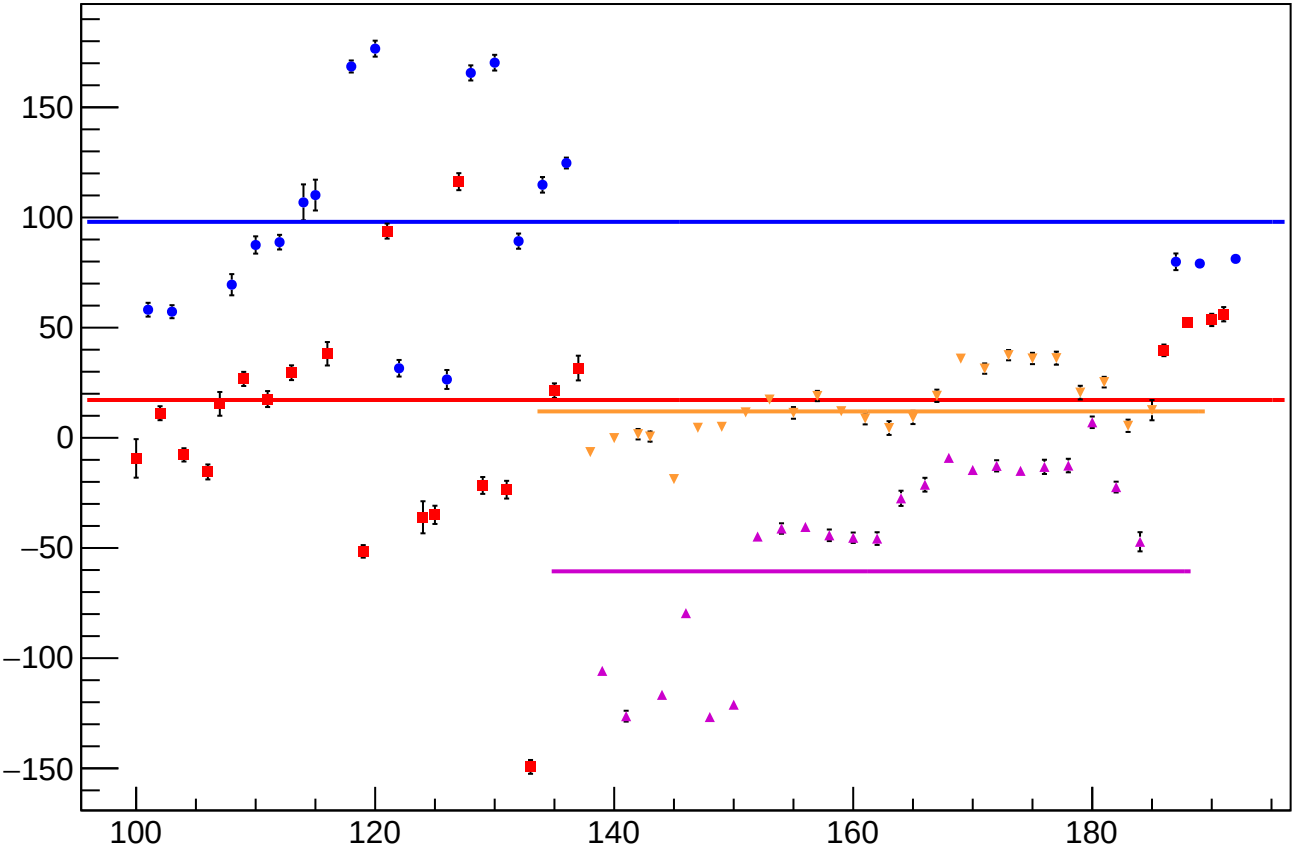
Right: 643.121+/-0.106 χ^2/NDF: 124736.6/41

In: 717.201+/-0.098 χ^2/NDF:813534.3/41

Out: 719.505+/-0.095 χ^2/NDF:757470.6/47

All: 718.384+/-0.068 χ^2/NDF: 1571288.1/89

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: 17.169+/-0.694 χ^2/NDF: 6030.4/22

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

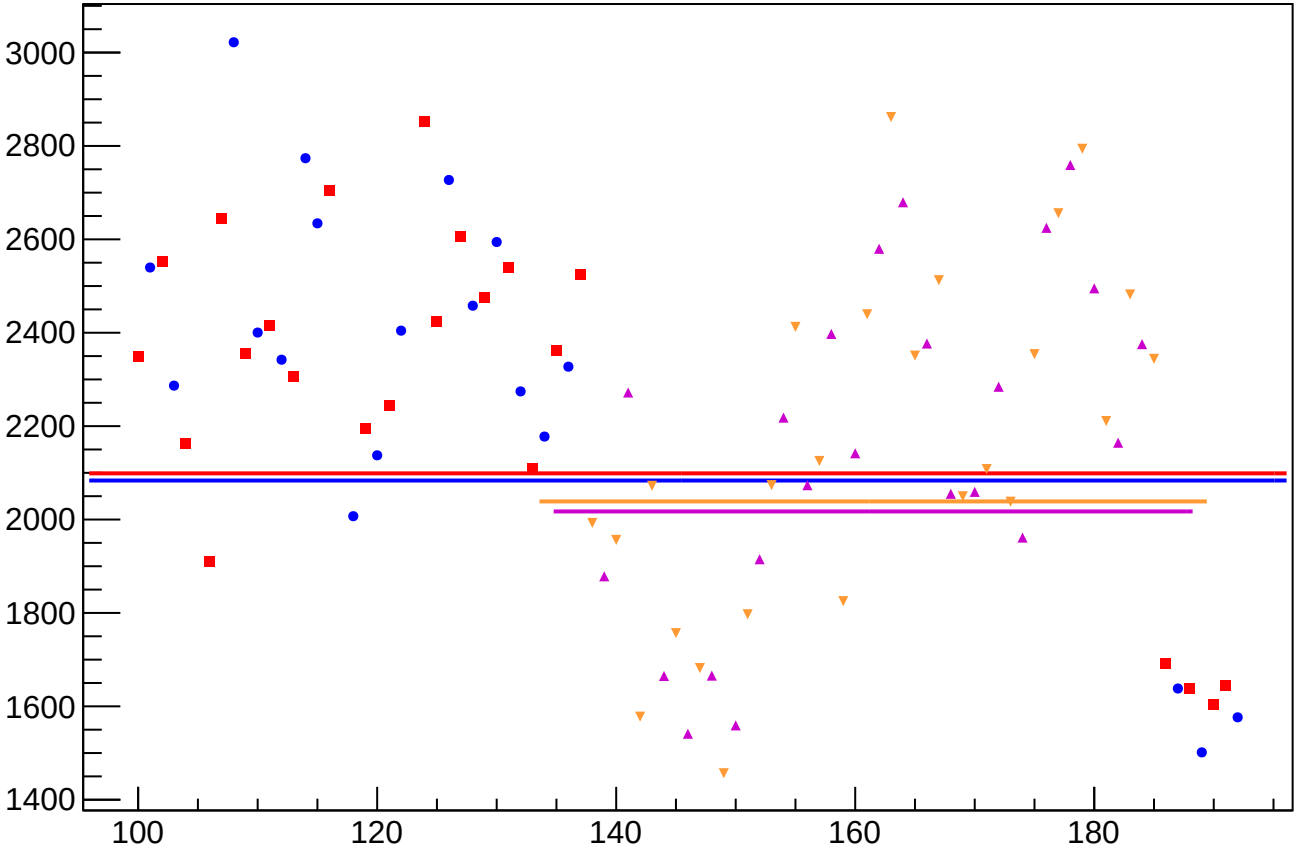
Right: 56.488+/-0.498 χ^2/NDF: 15914.3/41

In: -11.041+/-0.399 χ^2/NDF:45913.0/41

Out: 13.624+/-0.390 χ^2/NDF:7015.6/47

All: 1.564+/-0.279 χ^2/NDF: 54883.7/89

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: 2098.902+/-0.491 χ^2/NDF: 575856.4/22

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

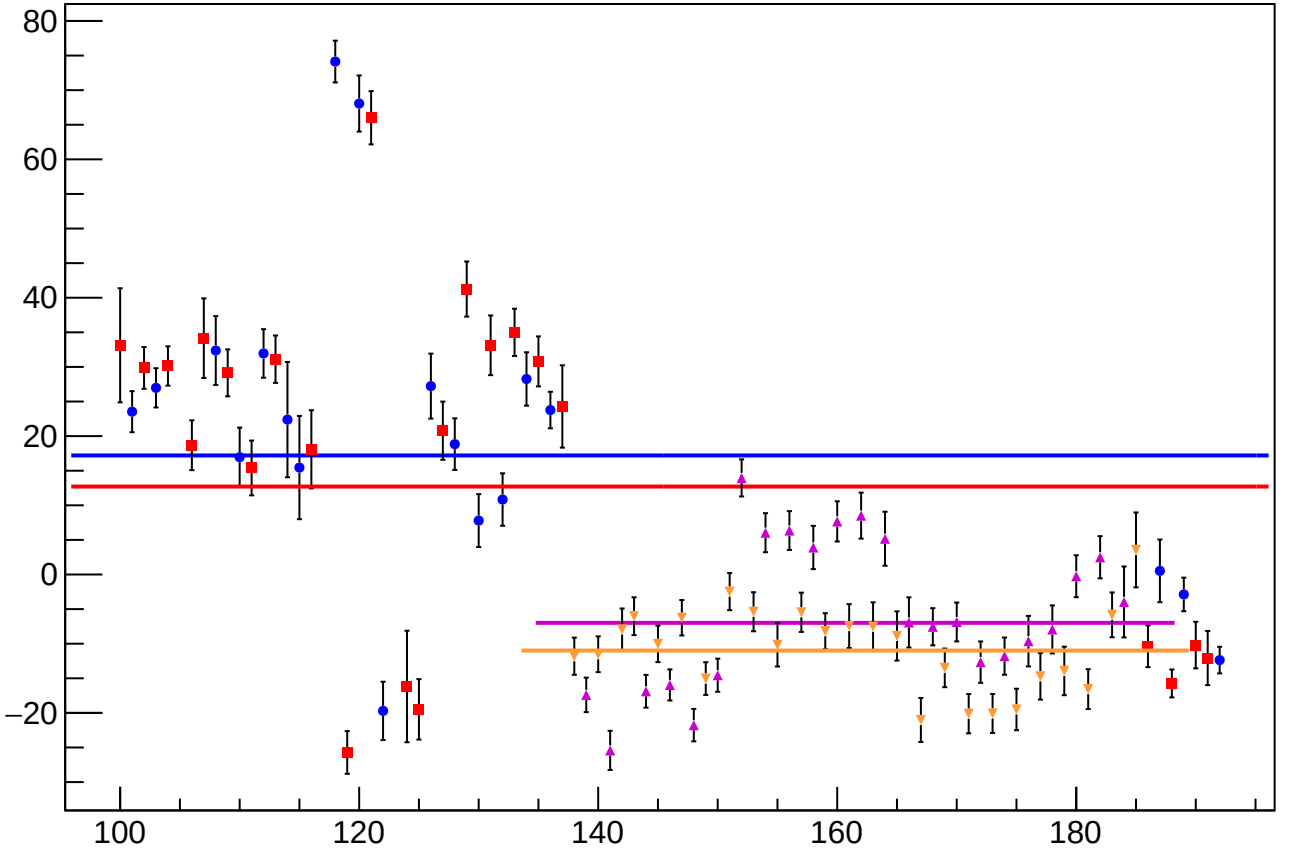
Right: 2091.444+/-0.352 χ^2/NDF: 1292868.4/41

In: 2038.023+/-0.282 χ^2/NDF:1778435.0/41

Out: 2057.766+/-0.276 χ^2/NDF:1709639.3/47

All: 2048.112+/-0.197 χ^2/NDF: 3490579.7/89

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: 12.715+/-0.759 χ^2/NDF: 1054.0/22

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

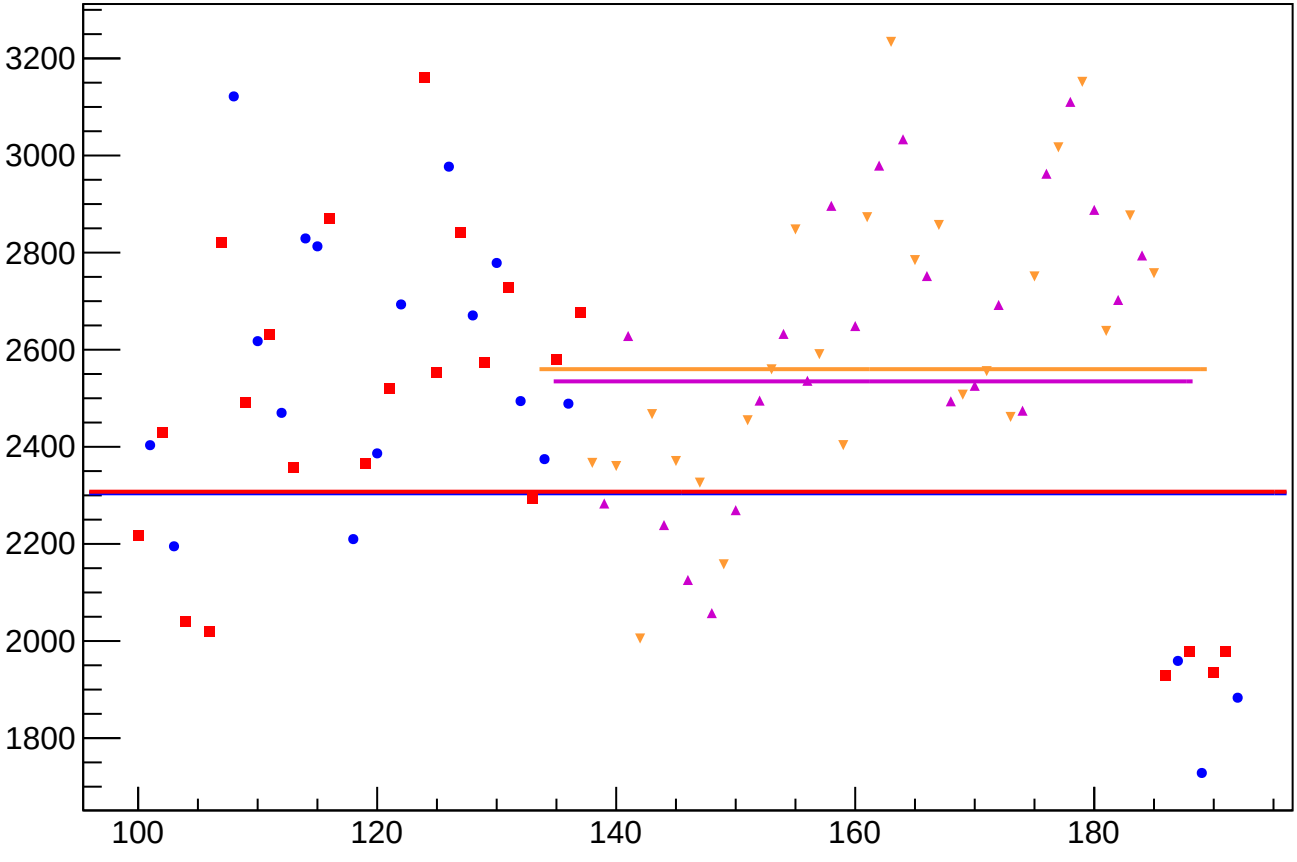
Right: 14.887+/-0.545 χ^2/NDF: 2050.4/41

In: 1.925+/-0.476 χ^2/NDF:1920.8/41

Out: -2.132+/-0.464 χ^2/NDF:1752.8/47

All: -0.155+/-0.332 χ^2/NDF: 3710.9/89

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: 2307.577+/-0.537 χ^2/NDF: 327972.1/22

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

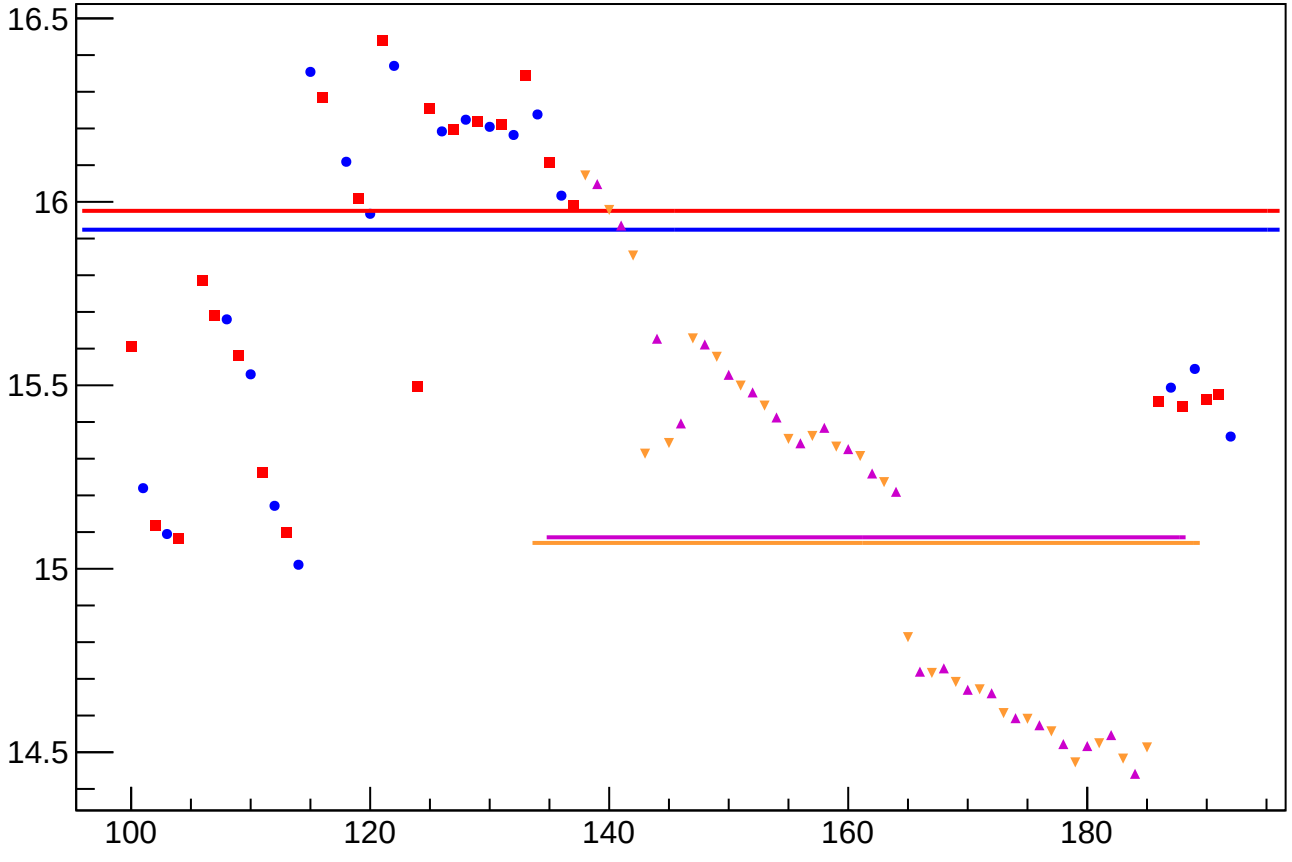
Right: 2305.981+/-0.385 χ^2/NDF: 766158.9/41

In: 2449.877+/-0.336 χ^2/NDF:1011073.1/41

Out: 2465.665+/-0.328 χ^2/NDF:916761.5/47

All: 2457.971+/-0.235 χ^2/NDF: 1928964.2/89

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: 15.975+/-0.000 χ^2/NDF: 4809329072.6/22

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

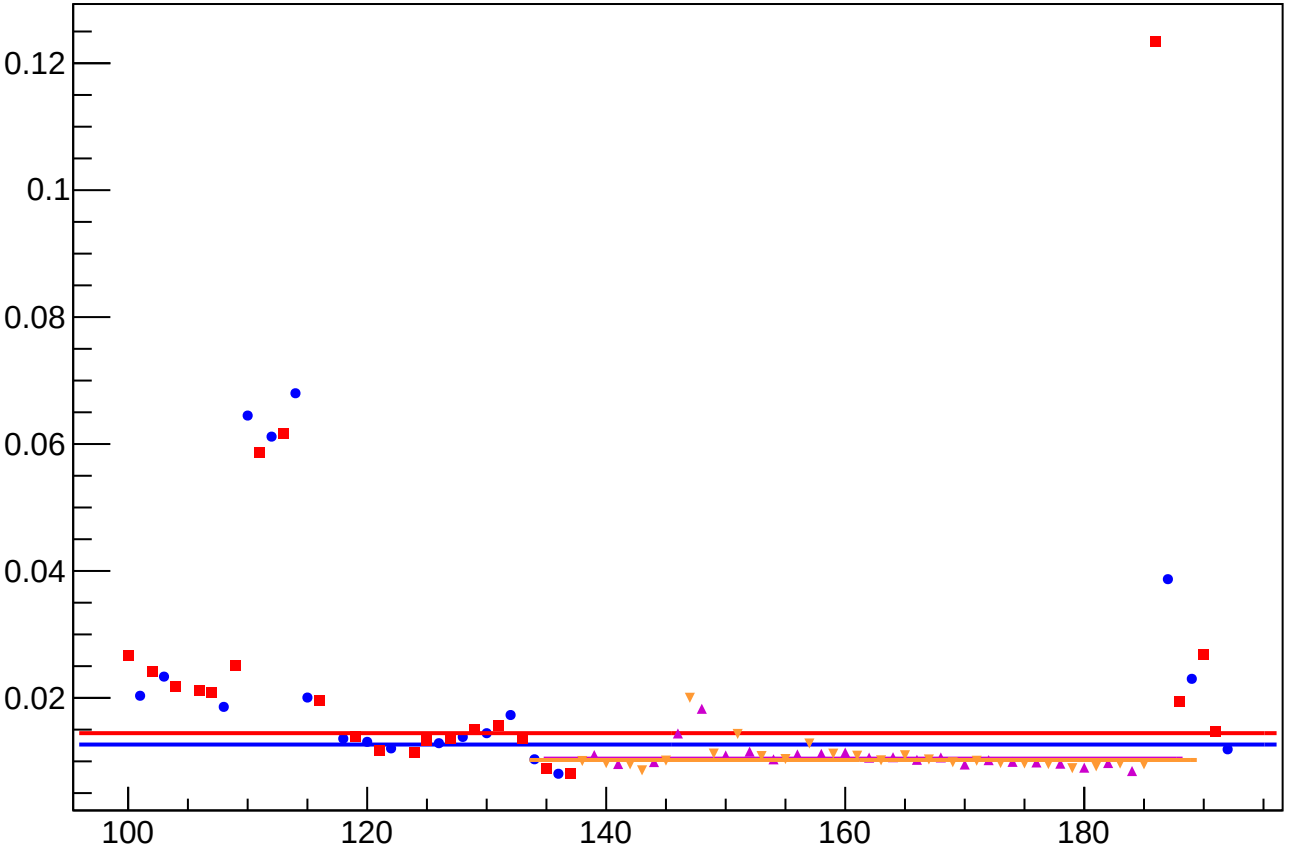
Right: 15.947+/-0.000 χ^2/NDF: 10505937363.6/41

In: 15.267+/-0.000 χ^2/NDF:69090719714.6/41

Out: 15.219+/-0.000 χ^2/NDF:71903904222.0/47

All: 15.242+/-0.000 χ^2/NDF: 141225915967.

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: 3124730.1/22

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

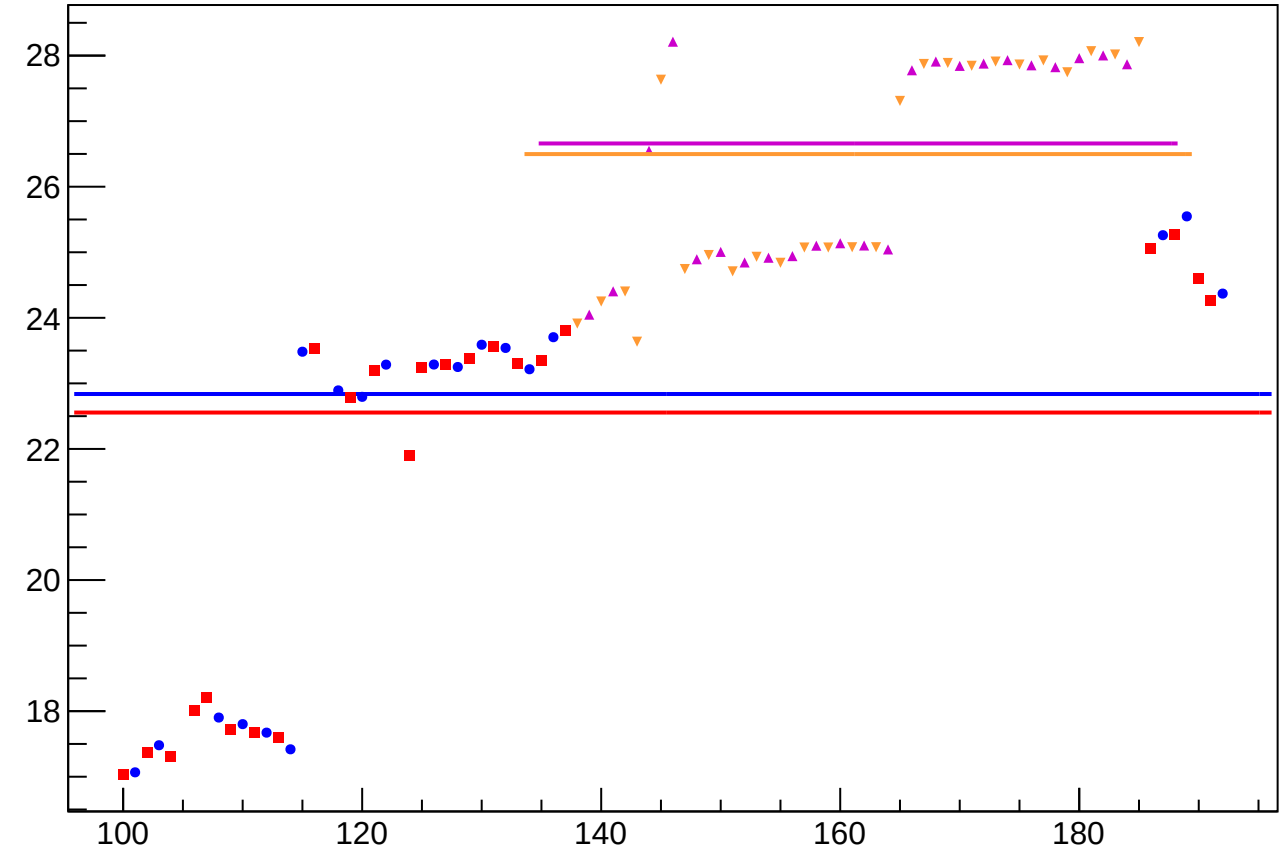
Right: 0.013+/-0.000 χ^2/NDF: 5940217.6/41

In: 0.011+/-0.000 χ^2/NDF:3626290.7/41

Out: 0.011+/-0.000 χ^2/NDF:4904613.8/47

All: 0.011+/-0.000 χ^2/NDF: 8530907.4/89

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: 22.555+/-0.000 χ^2/NDF: 1353965452.1/22

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

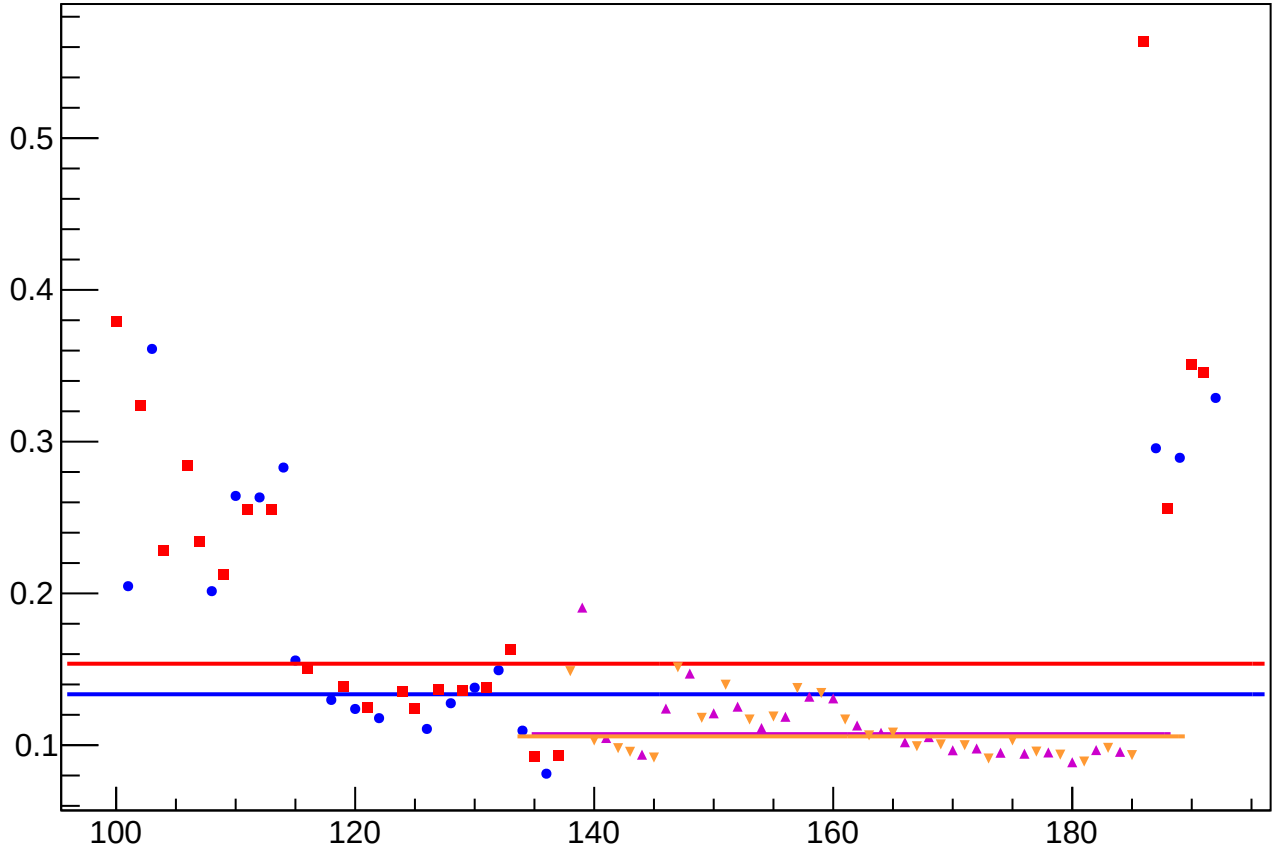
Right: 22.710+/-0.000 χ^2/NDF: 2668538446.2/41

In: 25.859+/-0.000 χ^2/NDF:8351084342.2/41

Out: 25.835+/-0.000 χ^2/NDF:9137584737.7/47

All: 25.847+/-0.000 χ^2/NDF: 17489164036.8

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: 0.154+/-0.000 χ^2/NDF: 2704854.2/22

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

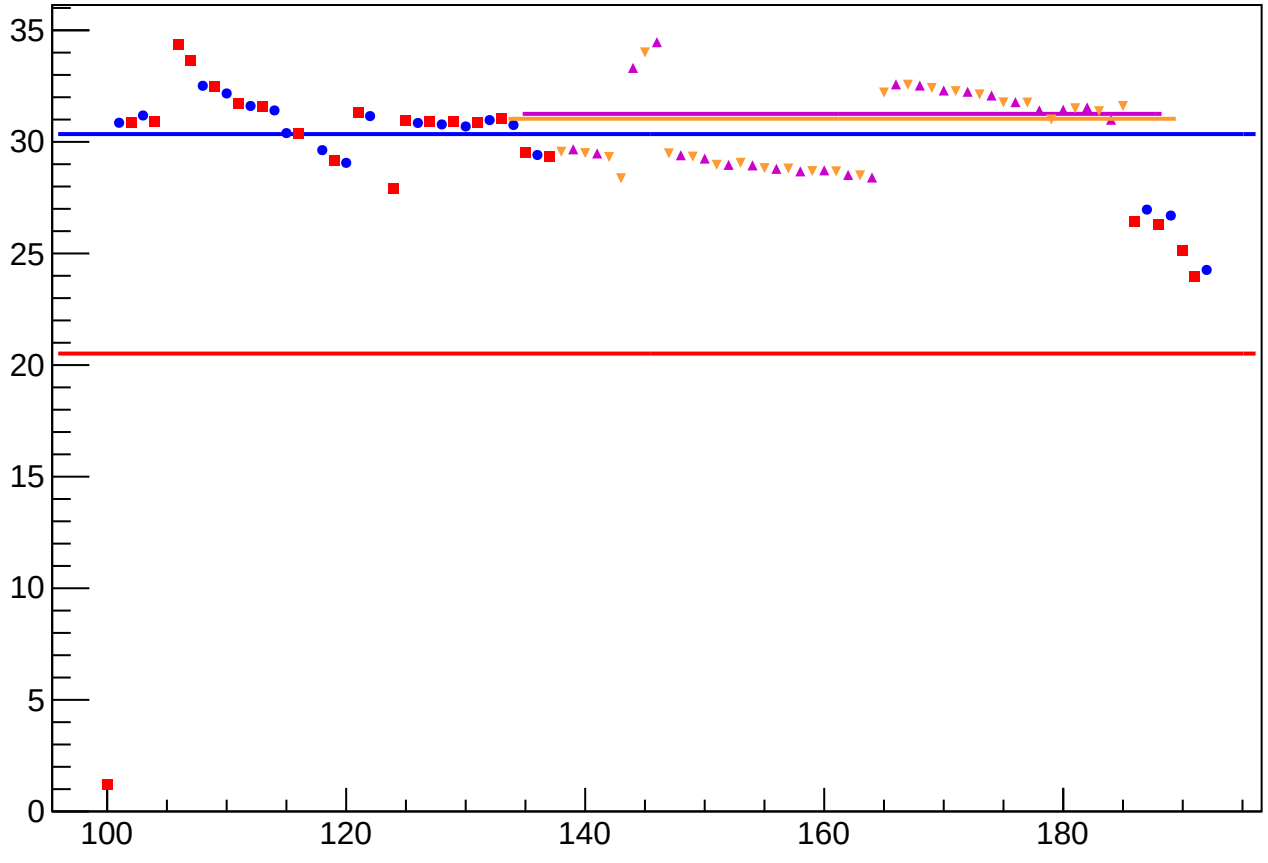
Right: 0.143+/-0.000 χ^2/NDF: 5721343.7/41

In: 0.113+/-0.000 χ^2/NDF:4136751.5/41

Out: 0.114+/-0.000 χ^2/NDF:4603868.3/47

All: 0.113+/-0.000 χ^2/NDF: 8742608.5/89

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: 20.515+/-0.000 χ^2/NDF: 223131554969.1/22

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

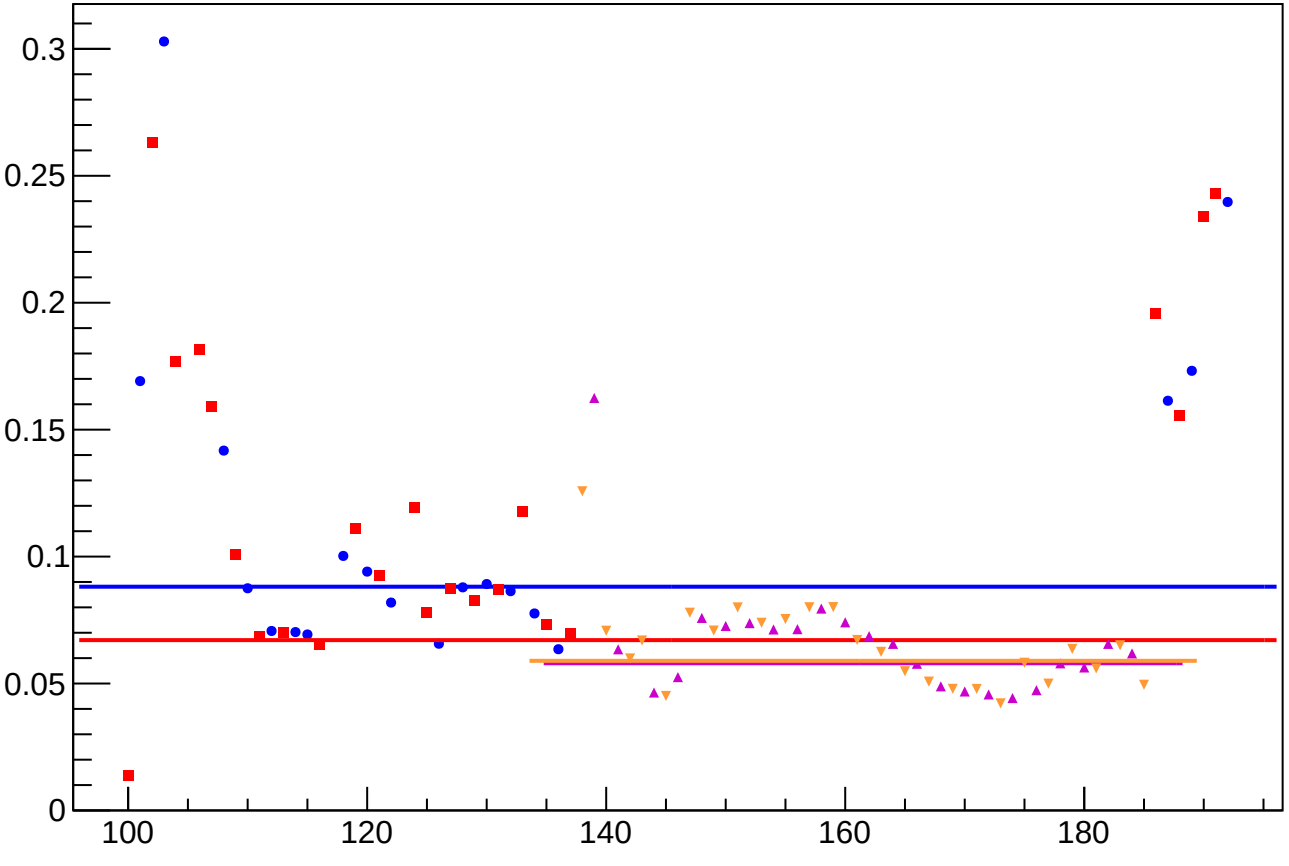
Right: 24.598+/-0.000 χ^2/NDF: 270723017533.1/41

In: 31.106+/-0.000 χ^2/NDF:14749044004.8/41

Out: 28.815+/-0.000 χ^2/NDF:335049286183.8/47

All: 29.907+/-0.000 χ^2/NDF: 363378286290.

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: 0.067+/-0.000 χ^2/NDF: 5605965.2/22

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

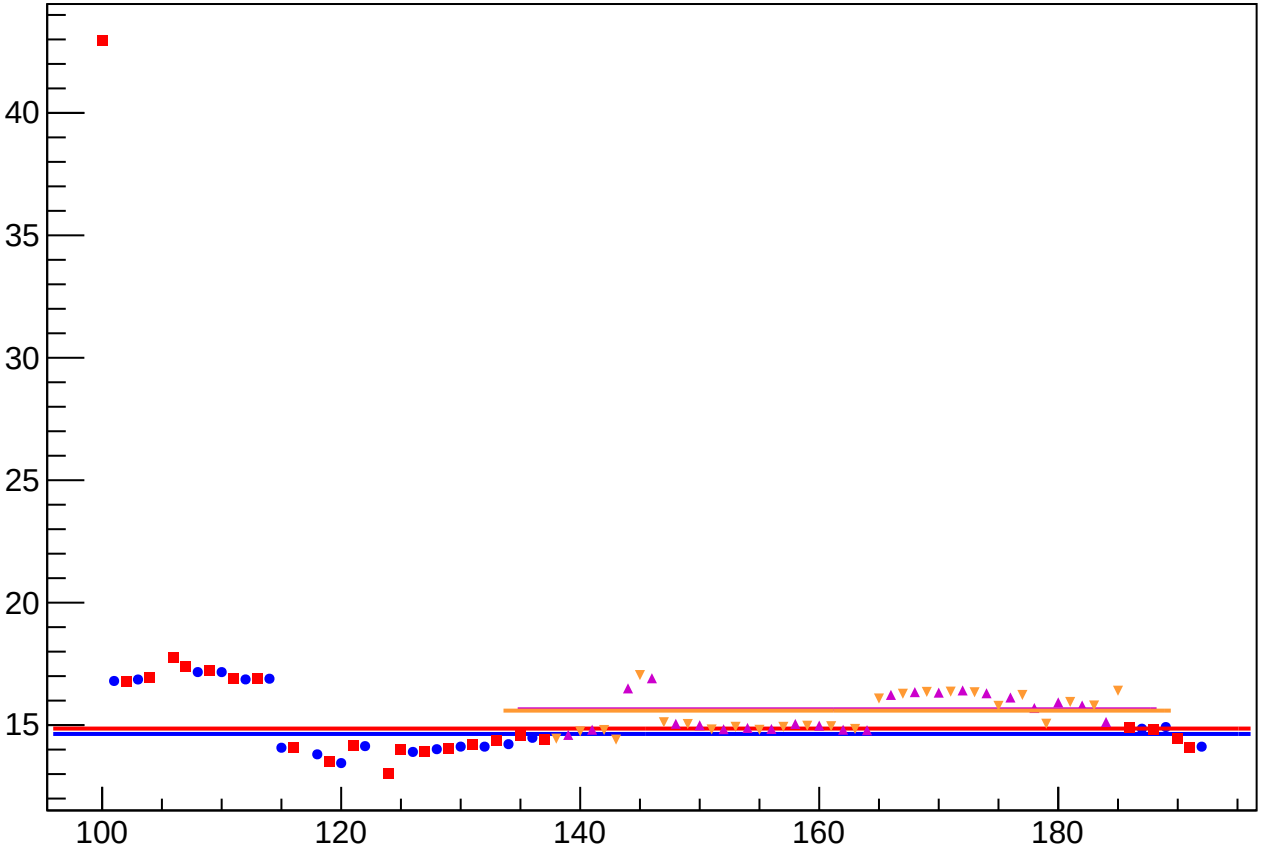
Right: 0.076+/-0.000 χ^2/NDF: 8406987.6/41

In: 0.063+/-0.000 χ^2/NDF:5331491.6/41

Out: 0.061+/-0.000 χ^2/NDF:7262626.9/47

All: 0.062+/-0.000 χ^2/NDF: 12621122.1/89

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: 14.858+/-0.000 χ^2/NDF: 1734678183.9/22

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

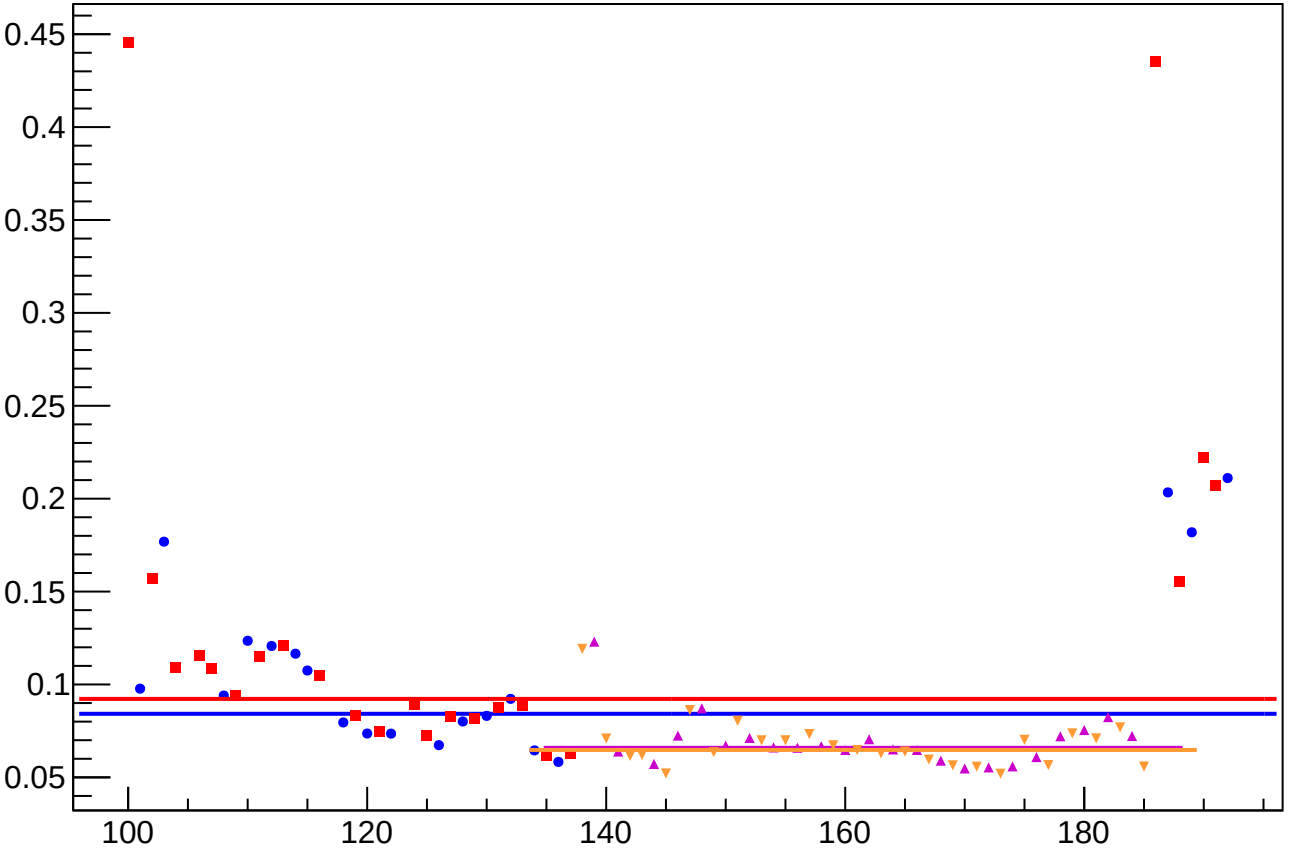
Right: 14.742+/-0.000 χ^2/NDF: 2958234320.9/41

In: 15.428+/-0.000 χ^2/NDF:3839172361.2/41

Out: 15.457+/-0.000 χ^2/NDF:4375783642.0/47

All: 15.443+/-0.000 χ^2/NDF: 8216906670.4/8

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: 0.092+/-0.000 χ^2/NDF: 2016839.3/22

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

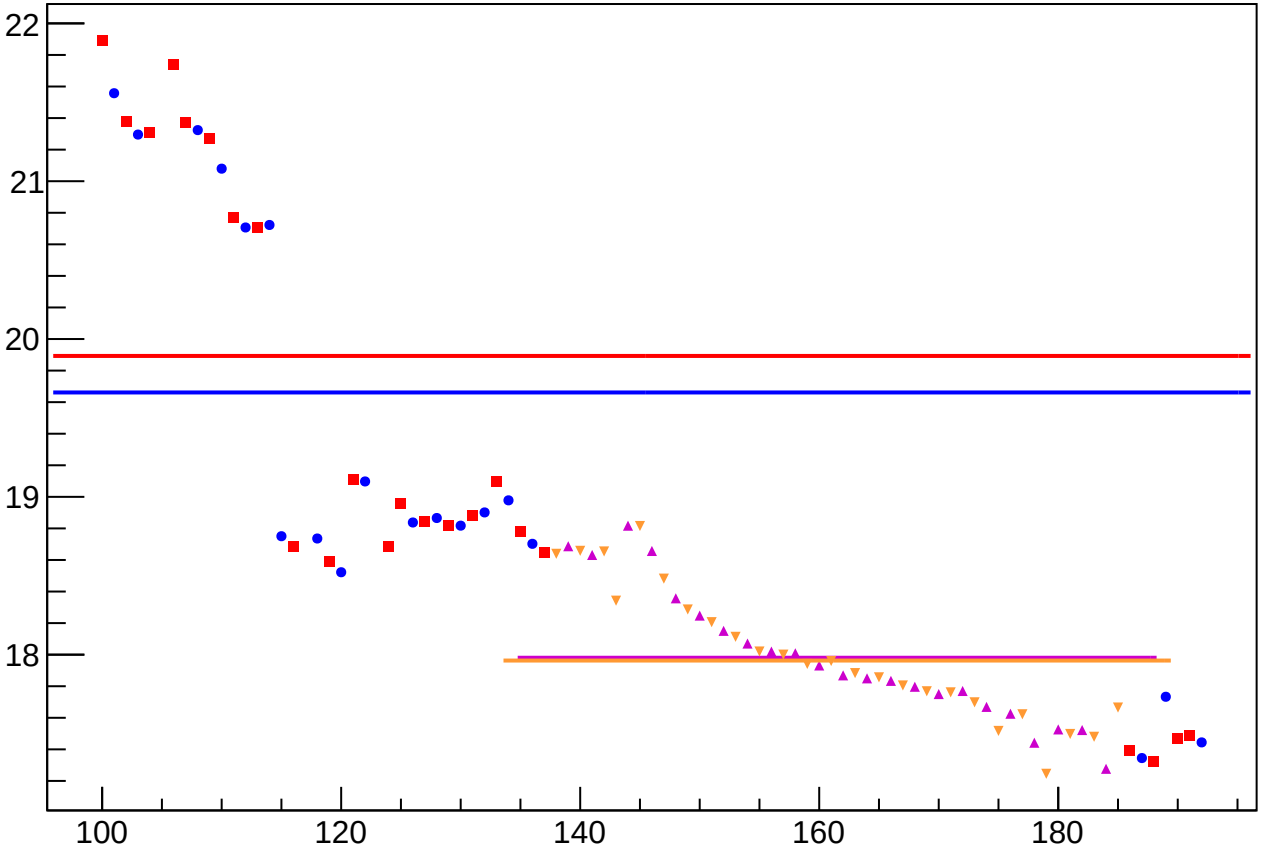
Right: 0.088+/-0.000 χ^2/NDF: 4158877.8/41

In: 0.070+/-0.000 χ^2/NDF:3387256.3/41

Out: 0.070+/-0.000 χ^2/NDF:3951089.4/47

All: 0.070+/-0.000 χ^2/NDF: 7338360.7/89

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: 19.893+/-0.000 χ^2/NDF: 15551919252.0/22

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

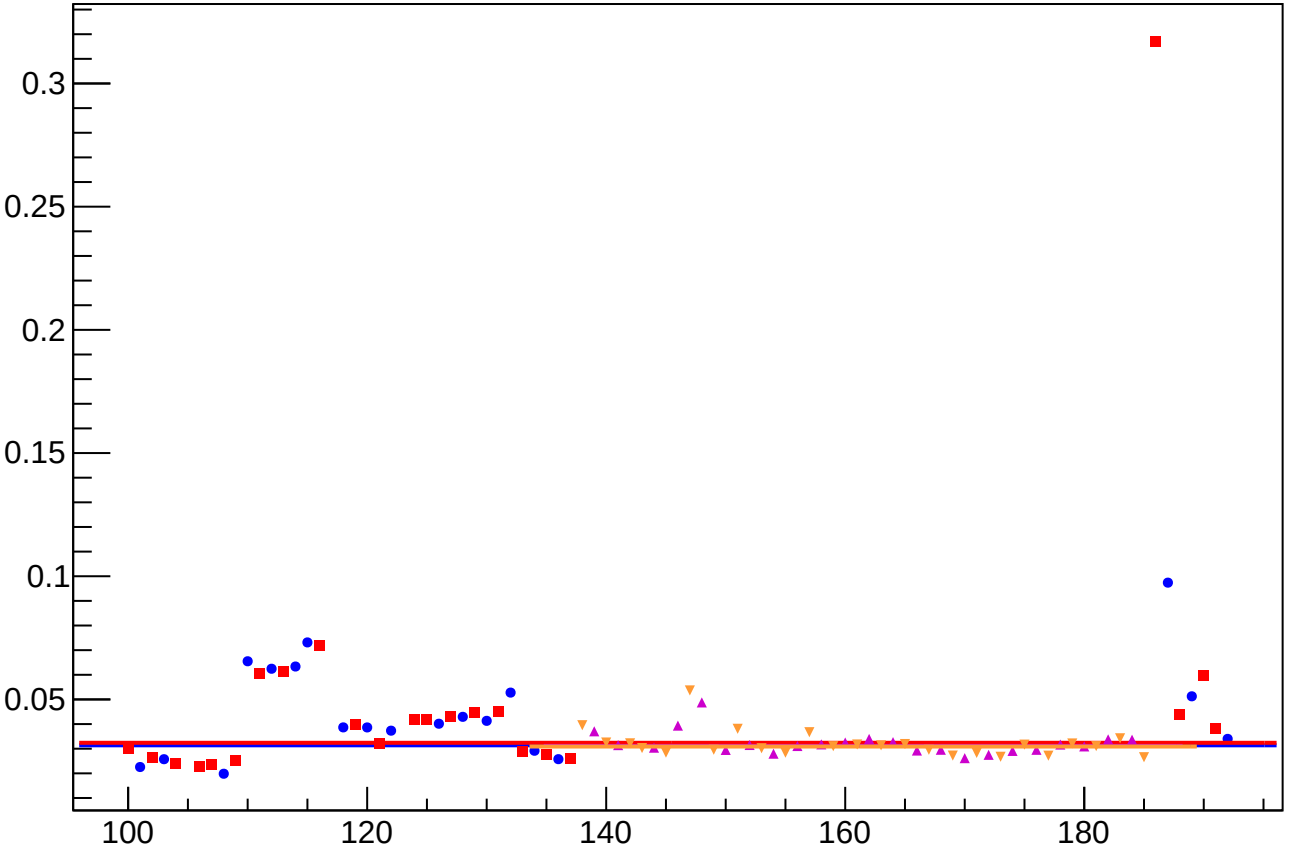
Right: 19.775+/-0.000 χ^2/NDF: 32162172879.0/41

In: 18.478+/-0.000 χ^2/NDF:34083573441.7/41

Out: 18.492+/-0.000 χ^2/NDF:38194038929.0/47

All: 18.485+/-0.000 χ^2/NDF: 72280116610.1

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: 0.032+/-0.000 χ^2/NDF: 2119649.7/22

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

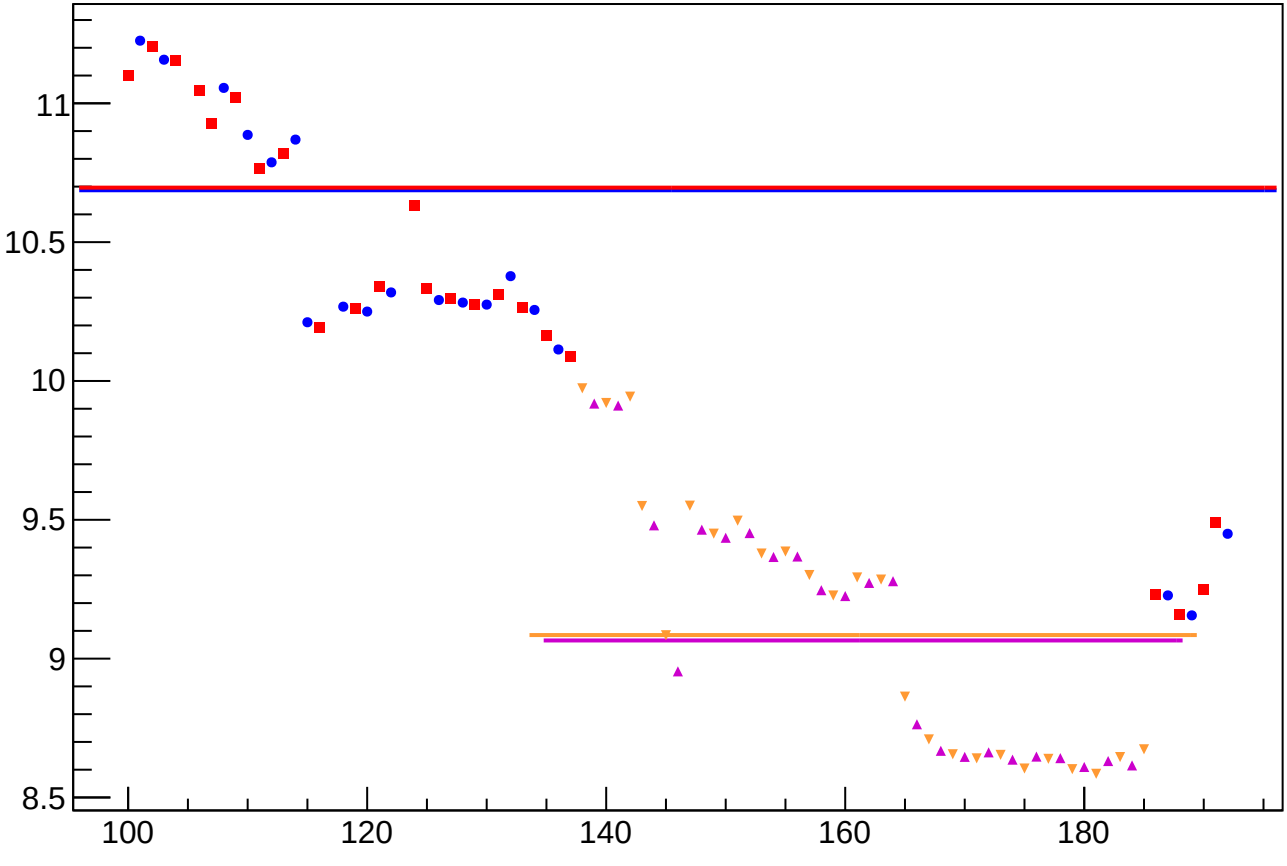
Right: 0.032+/-0.000 χ^2/NDF: 3913790.2/41

In: 0.031+/-0.000 χ^2/NDF:2269962.5/41

Out: 0.031+/-0.000 χ^2/NDF:2777247.6/47

All: 0.031+/-0.000 χ^2/NDF: 5047449.1/89

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: 10.696+/-0.000 χ^2/NDF: 6556114909.6/22

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

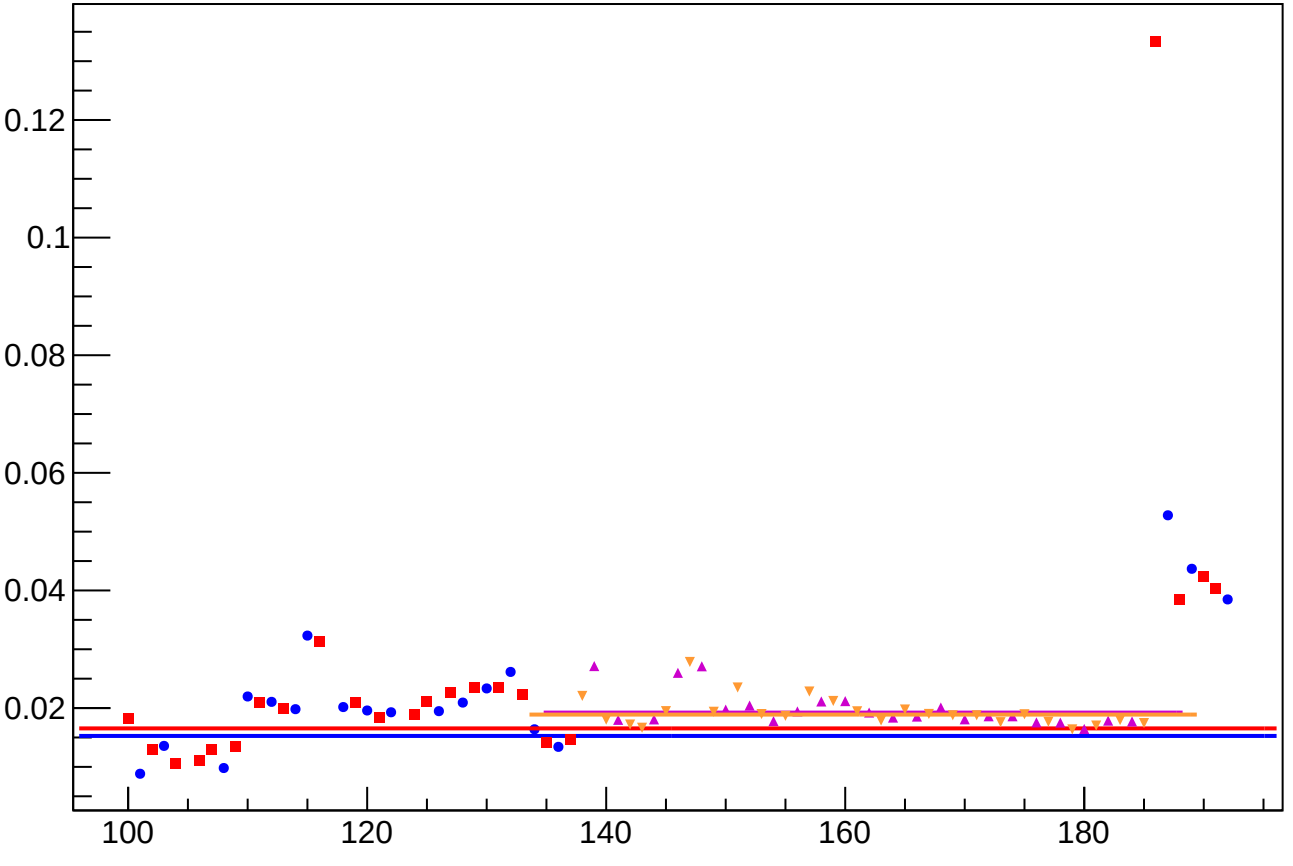
Right: 10.691+/-0.000 χ^2/NDF: 14264326345.3/41

In: 9.697+/-0.000 χ^2/NDF:61662590892.4/41

Out: 9.648+/-0.000 χ^2/NDF:61497783474.6/47

All: 9.672+/-0.000 χ^2/NDF: 123250374176.6

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: 2737915.0/22

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

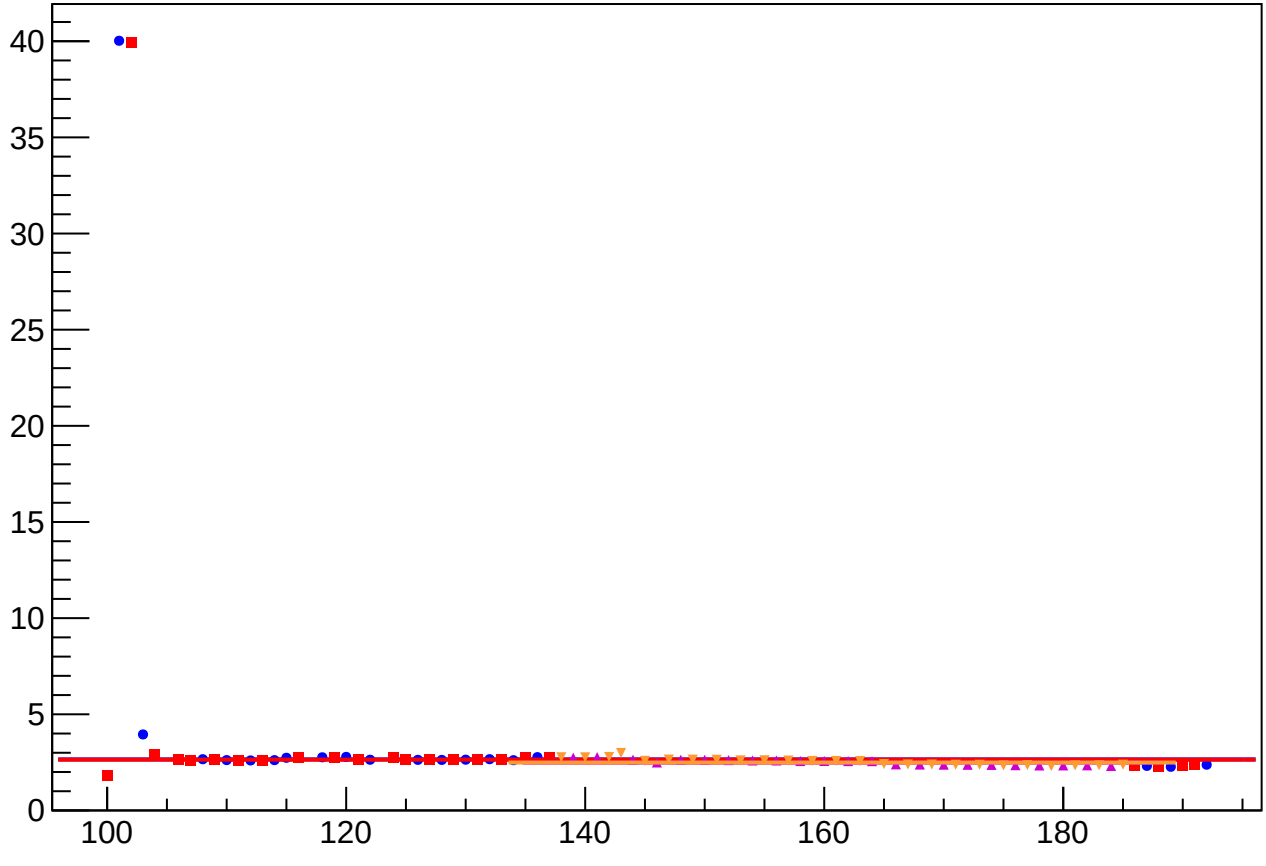
Right: 0.016+/-0.000 χ^2/NDF: 5630010.6/41

In: 0.018+/-0.000 χ^2/NDF:3937886.5/41

Out: 0.018+/-0.000 χ^2/NDF:3369737.1/47

All: 0.018+/-0.000 χ^2/NDF: 7318867.3/89

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: 2.642+/-0.000 χ^2/NDF: 72044284374.6/22

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

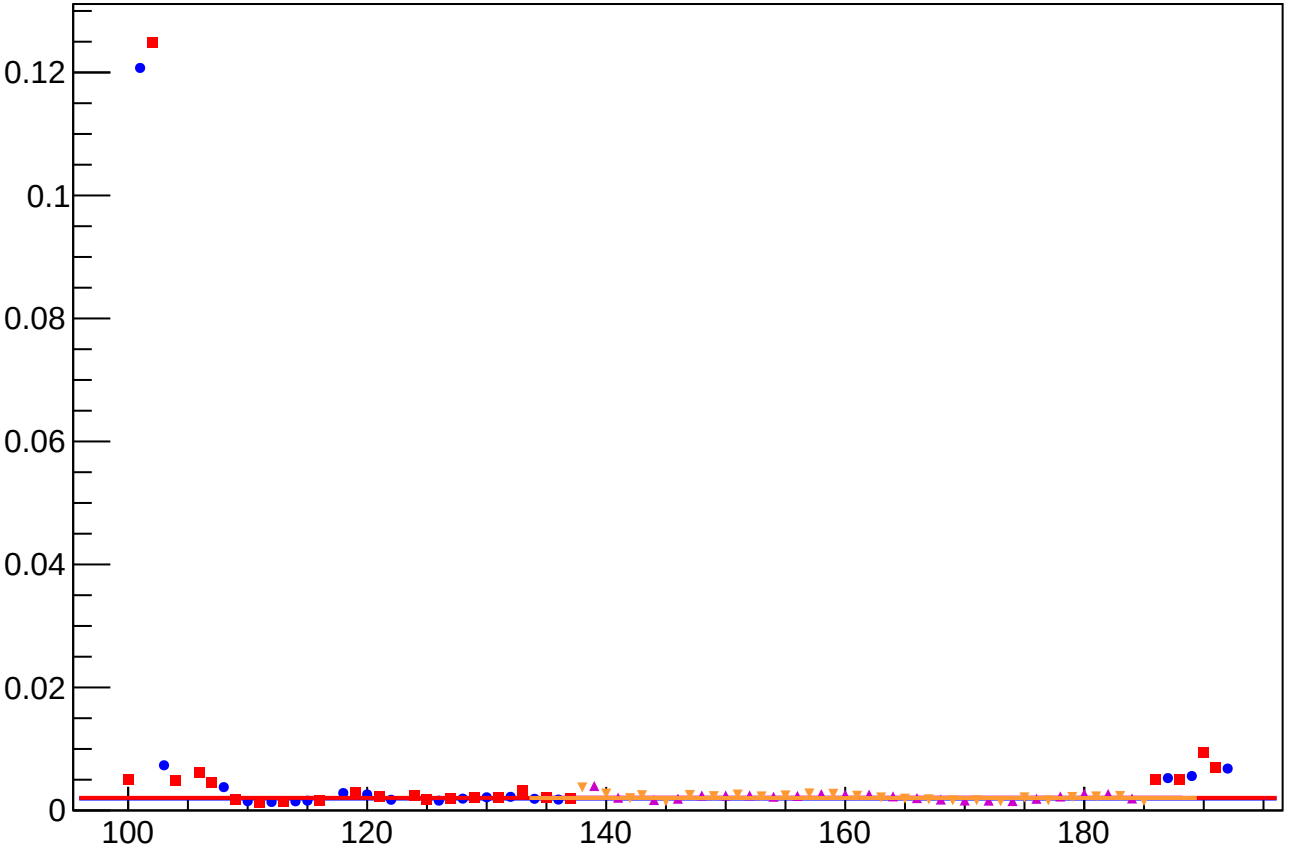
Right: 2.648+/-0.000 χ^2/NDF: 144681421408.1/41

In: 2.539+/-0.000 χ^2/NDF:162211118891.4/41

Out: 2.533+/-0.000 χ^2/NDF:188386168160.7/47

All: 2.536+/-0.000 χ^2/NDF: 350663820626.7

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: 4139959.9/22

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

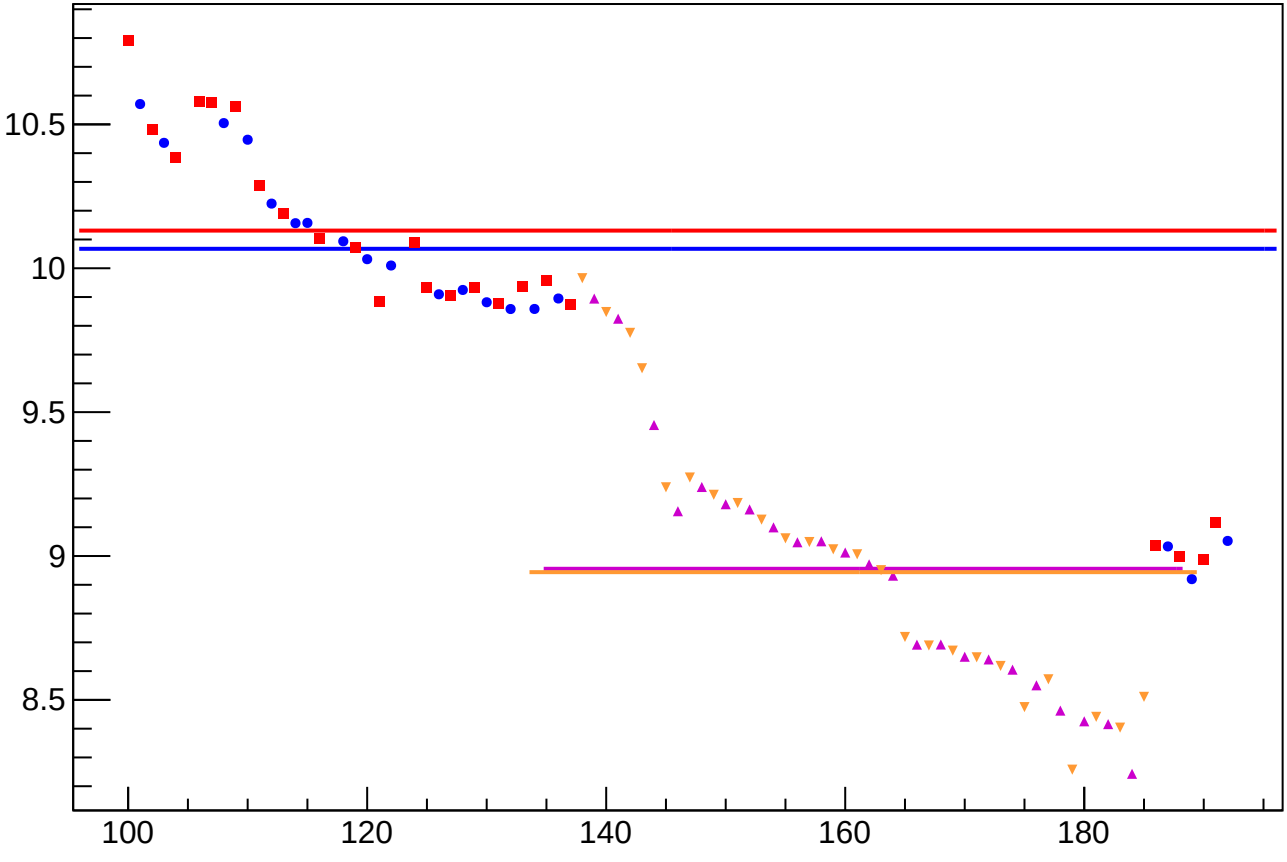
Right: 0.002+/-0.000 χ^2/NDF: 7562736.9/41

In: 0.002+/-0.000 χ^2/NDF:4841811.4/41

Out: 0.002+/-0.000 χ^2/NDF:5697446.9/47

All: 0.002+/-0.000 χ^2/NDF: 10539304.5/89

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: 10.131+/-0.000 χ^2/NDF: 17949983825.3/22

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

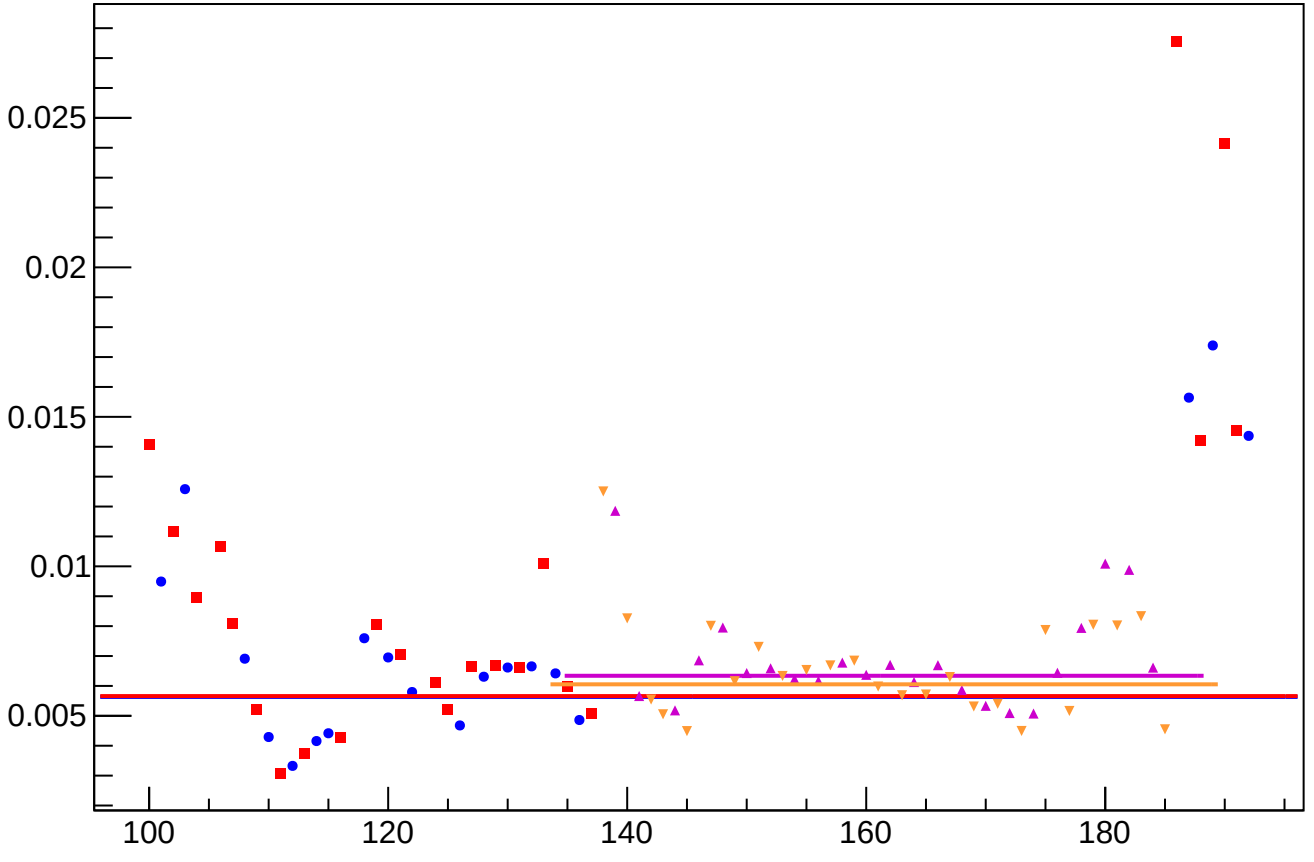
Right: 10.100+/-0.000 χ^2/NDF: 35516870597.4/41

In: 9.352+/-0.000 χ^2/NDF:228299820986.6/41

Out: 9.334+/-0.000 χ^2/NDF:276605197675.2/47

All: 9.342+/-0.000 χ^2/NDF: 505000117058.9

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: 3599509.3/22

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

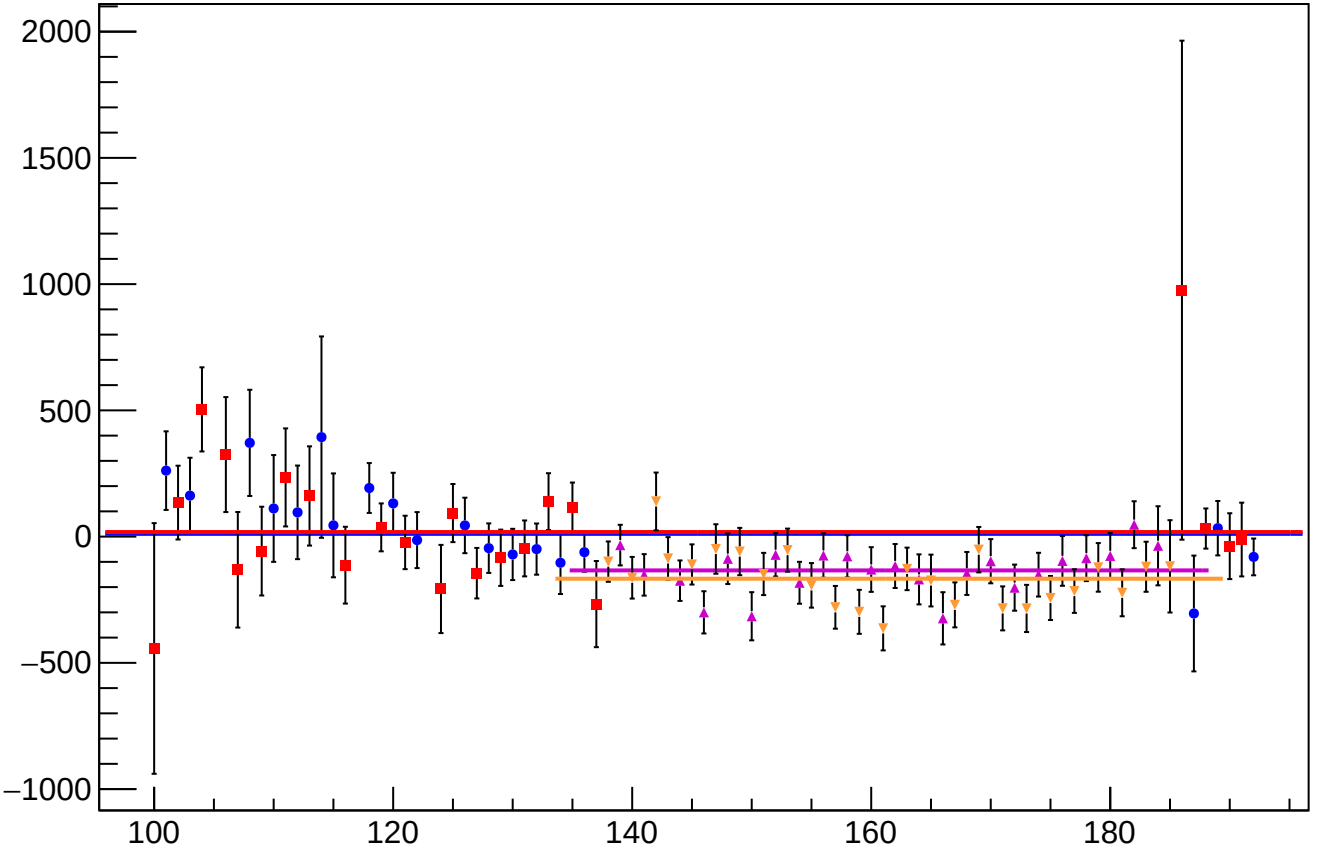
Right: 0.006+/-0.000 χ^2/NDF: 6232313.3/41

In: 0.006+/-0.000 χ^2/NDF:3936856.4/41

Out: 0.006+/-0.000 χ^2/NDF:5102983.9/47

All: 0.006+/-0.000 χ^2/NDF: 9055591.8/89

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: 18.113+/-27.720 χ^2/NDF: 27.1/22

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

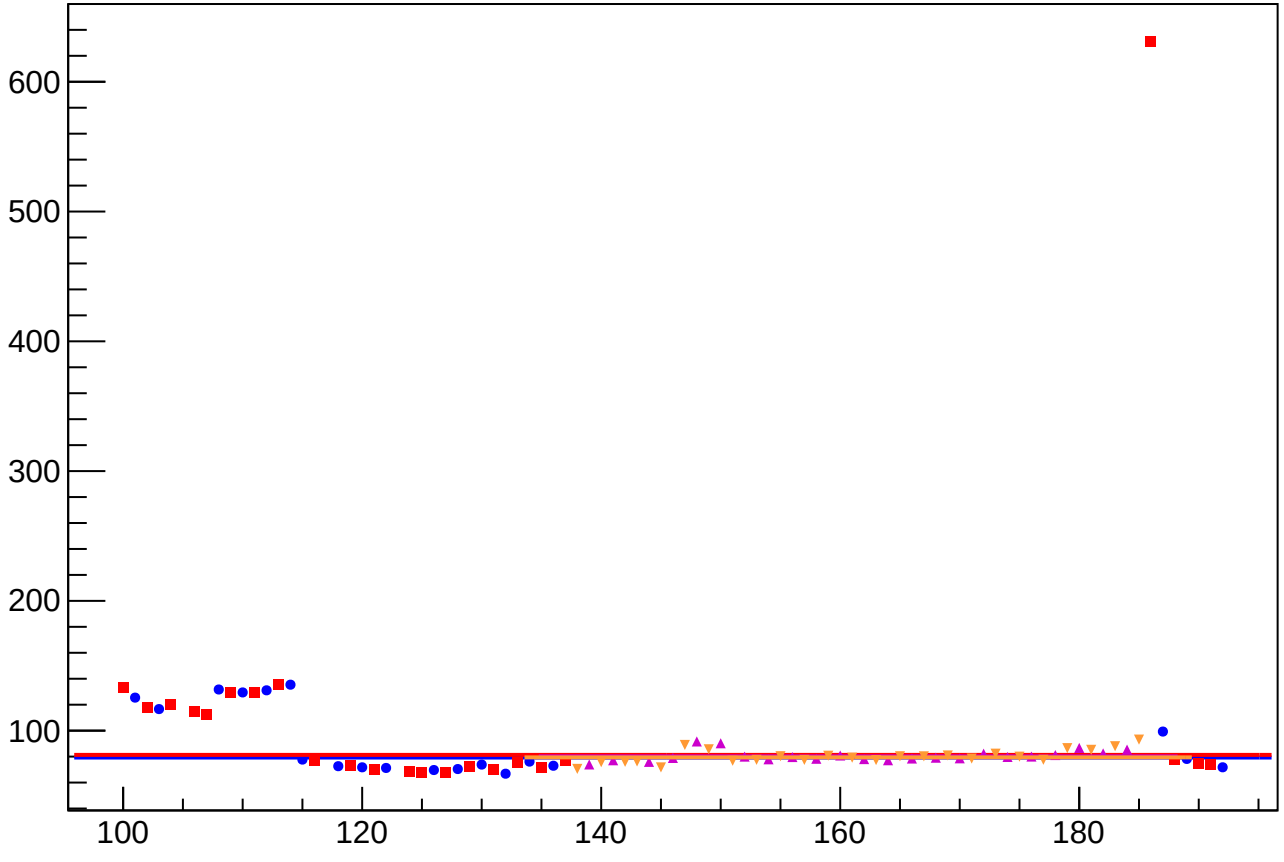
Right: 14.512+/-19.426 χ^2/NDF: 46.2/41

In: -87.225+/-15.446 χ^2/NDF:59.0/41

Out: -111.532+/-15.143 χ^2/NDF:89.9/47

All: -99.620+/-10.813 χ^2/NDF: 150.2/89

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: 81.320+/-0.020 χ^2/NDF: 1565597.5/22

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

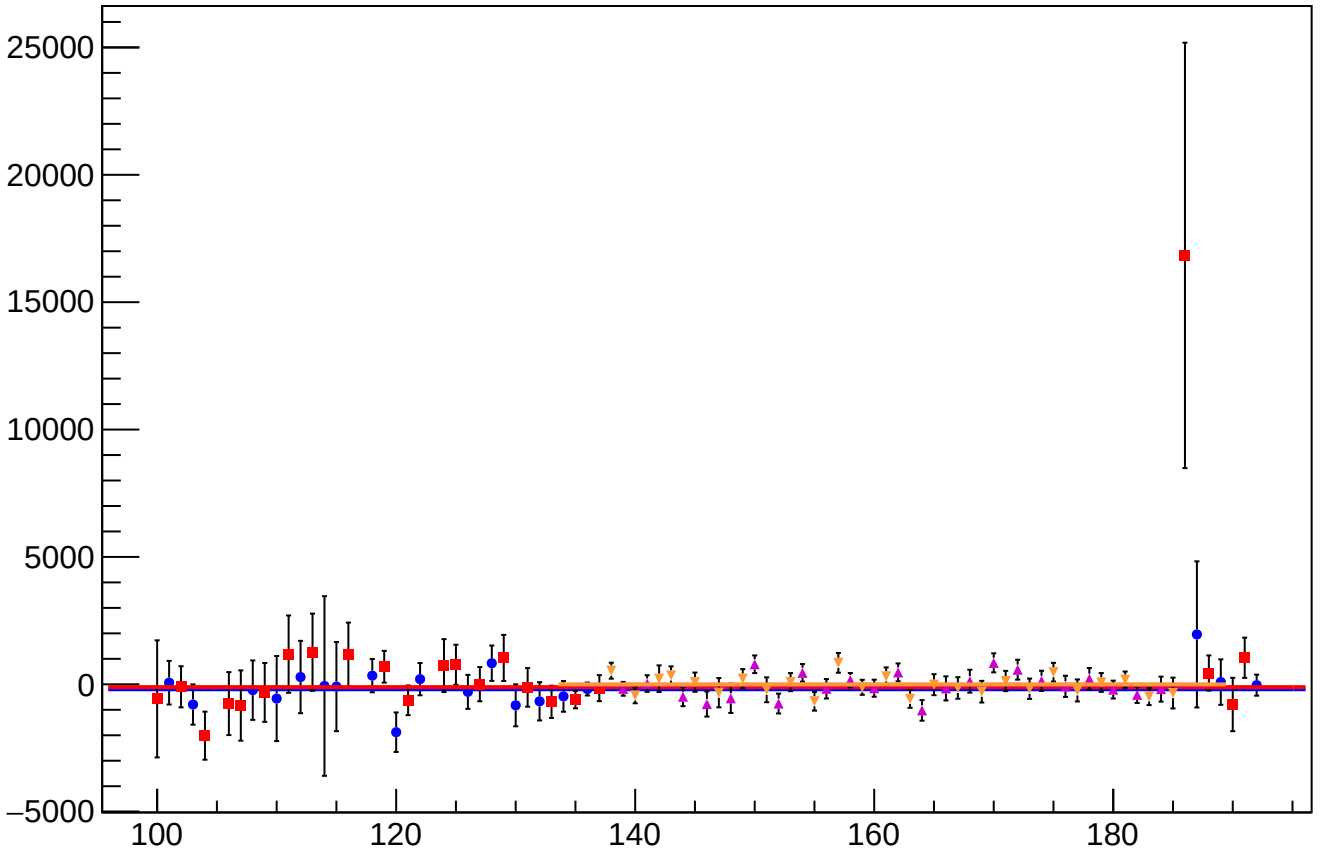
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 80.284+/-0.014 χ^2/NDF: 2450255.8/41

In: 79.878+/-0.011 χ^2/NDF:972044.5/41

Out: 79.980+/-0.011 χ^2/NDF:1707049.5/47

All: 79.930+/-0.008 χ^2/NDF: 2679138.3/89



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: -110.263+/-159.989 χ^2/NDF: 23.5/22

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

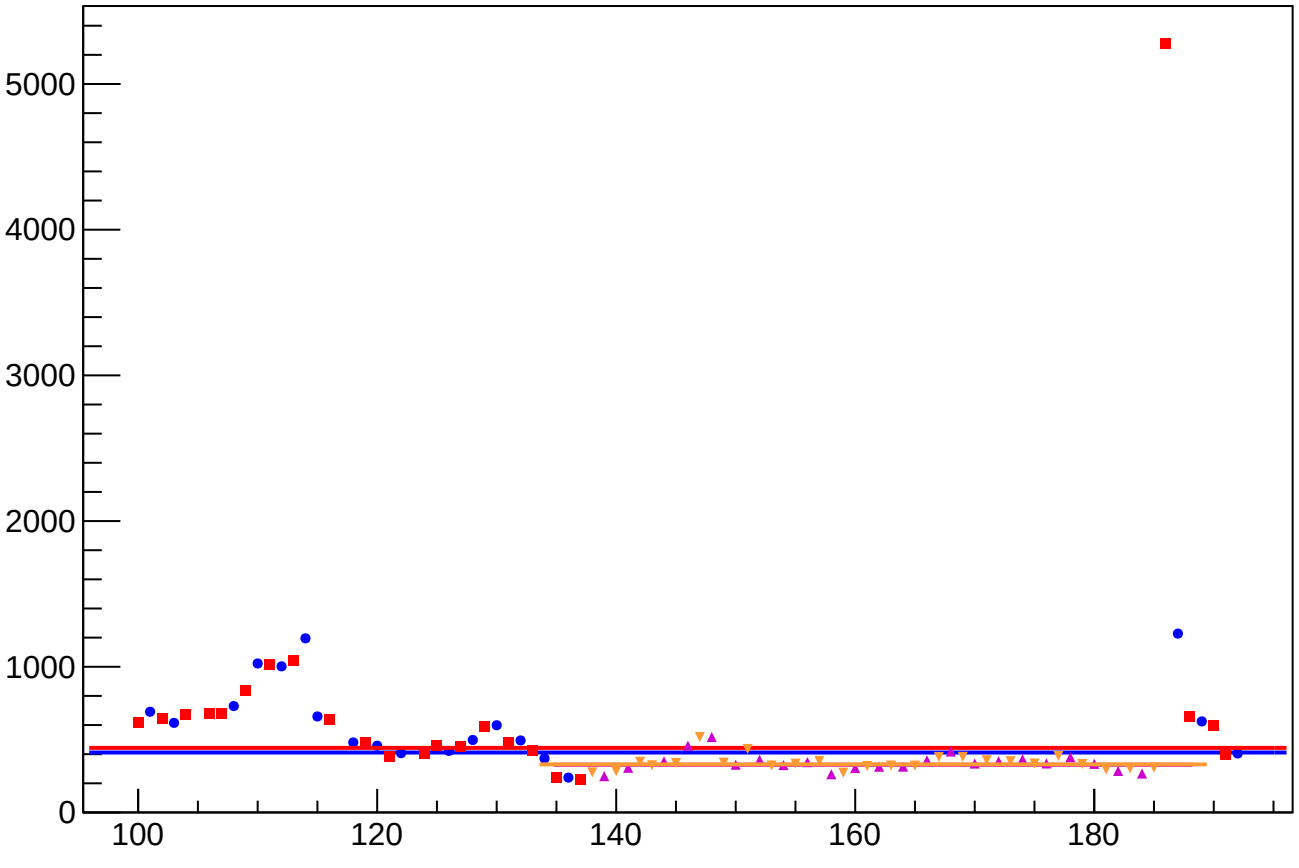
Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

Right: -154.704+/-109.373 χ^2/NDF: 34.4/41

In: -56.128+/-68.868 χ^2/NDF:46.9/41

Out: -23.077+/-68.547 χ^2/NDF:47.9/47

All: -39.525+/-48.583 χ^2/NDF: 94.9/89



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: 443.291+/-0.113 χ^2/NDF: 3308768.6/22

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

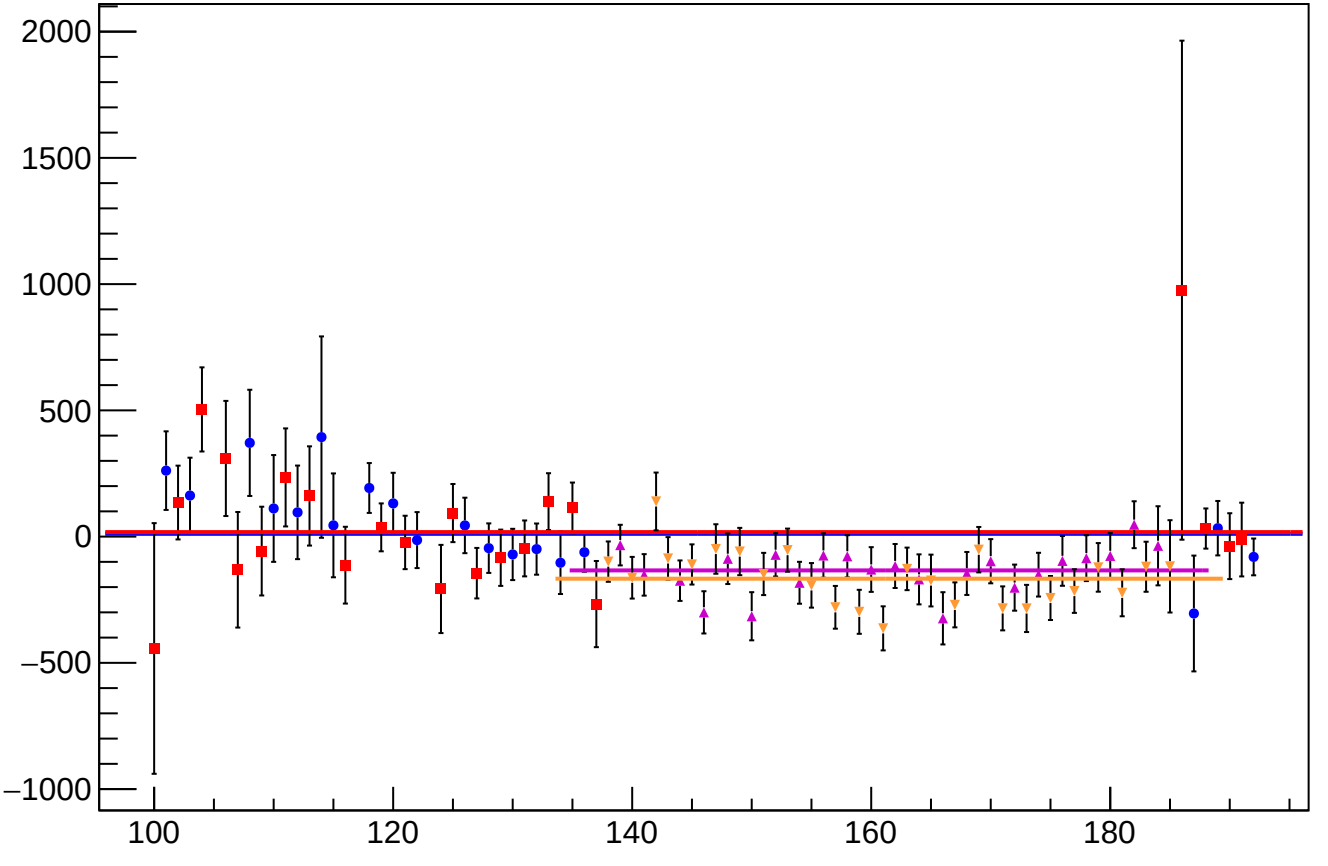
Right: 426.326+/-0.077 χ^2/NDF: 5993811.2/41

In: 344.804+/-0.049 χ^2/NDF:4043472.3/41

Out: 350.770+/-0.048 χ^2/NDF:4787243.9/47

All: 347.801+/-0.034 χ^2/NDF: 8838257.7/89

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: 17.878+/-27.721 χ^2/NDF: 26.9/22

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

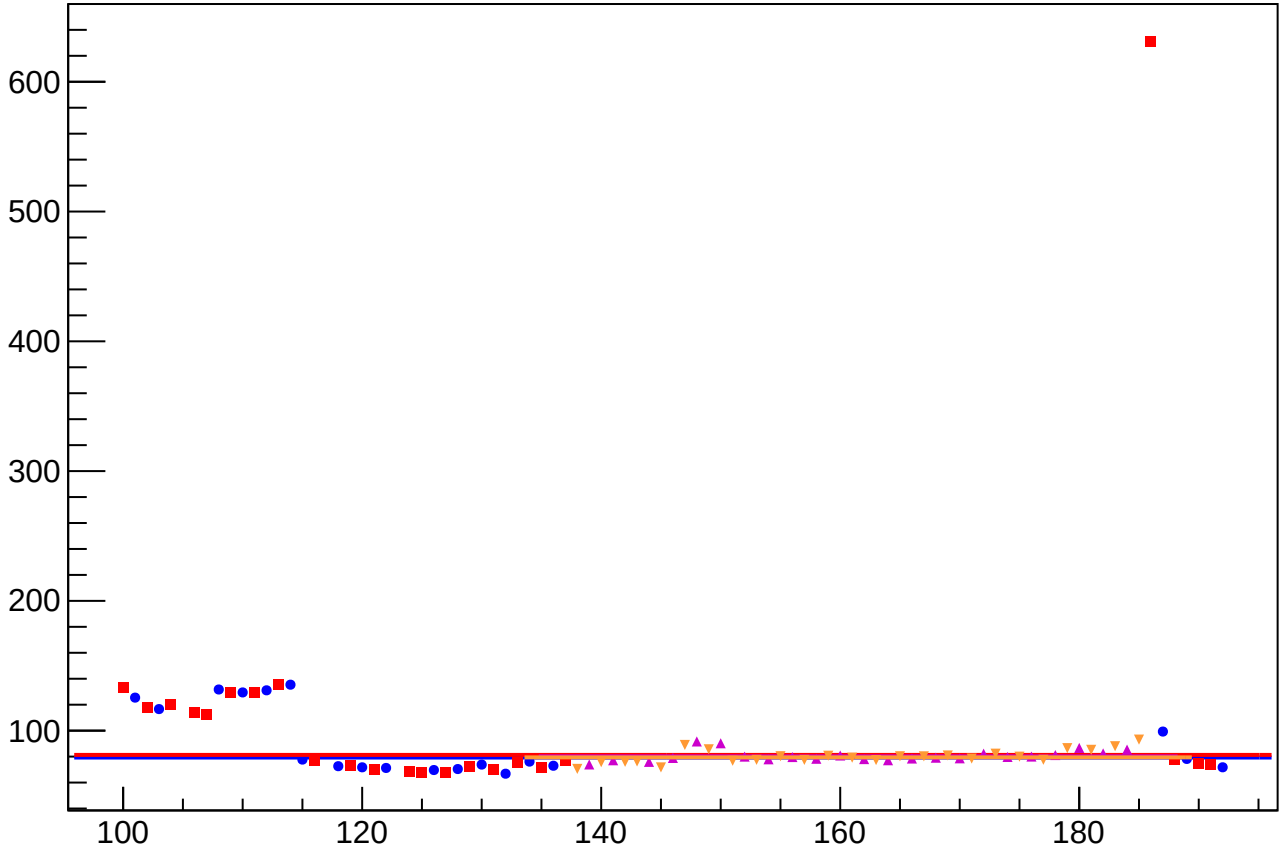
Right: 14.401+/-19.426 χ^2/NDF: 46.0/41

In: -87.227+/-15.446 χ^2/NDF:59.0/41

Out: -111.603+/-15.143 χ^2/NDF:89.7/47

All: -99.657+/-10.813 χ^2/NDF: 149.9/89

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: 81.308+/-0.020 χ^2/NDF: 1563684.3/22

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

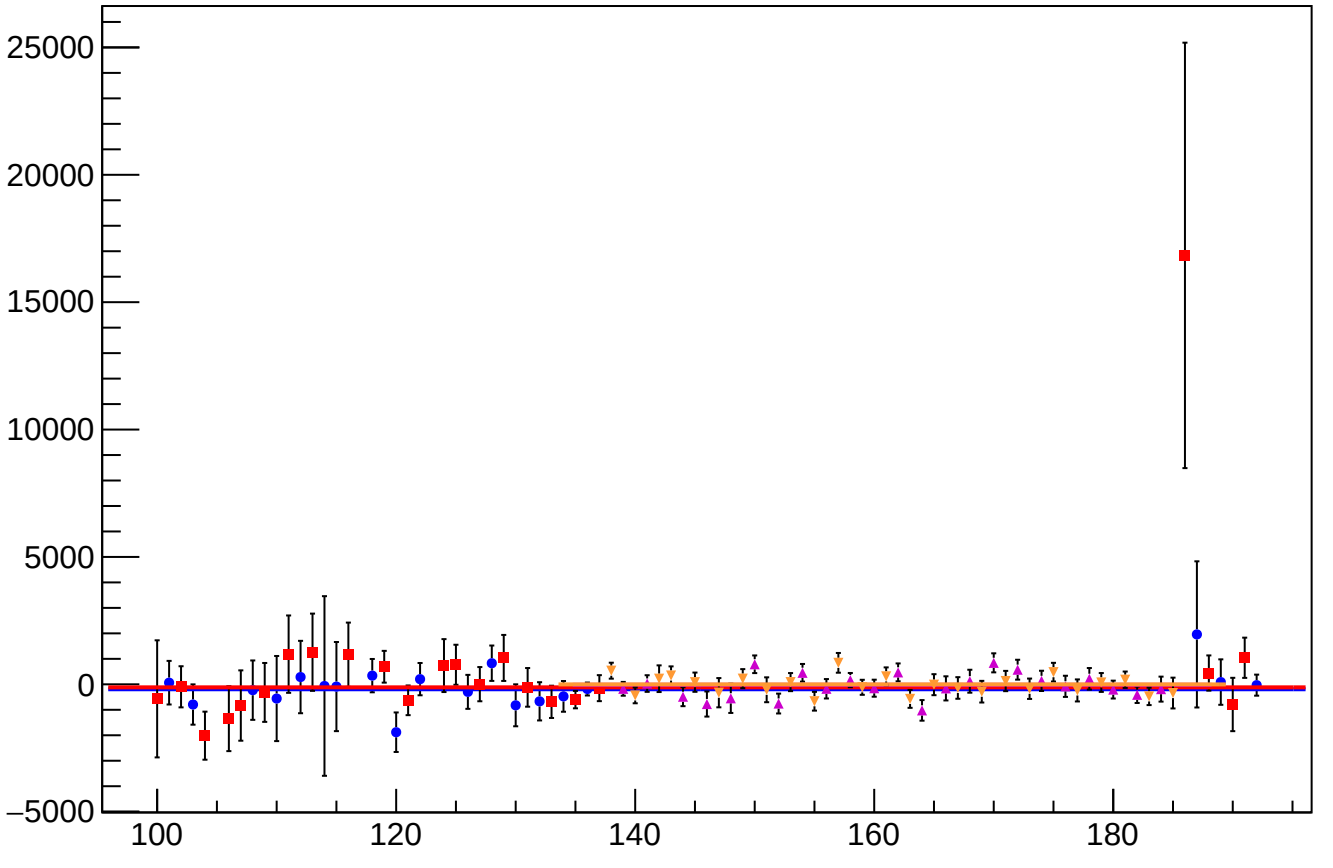
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 80.278+/-0.014 χ^2/NDF: 2448278.0/41

In: 79.878+/-0.011 χ^2/NDF:972044.7/41

Out: 79.976+/-0.011 χ^2/NDF:1705052.6/47

All: 79.928+/-0.008 χ^2/NDF: 2677138.5/89



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: -118.963+/-160.070 χ^2/NDF: 24.1/22

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

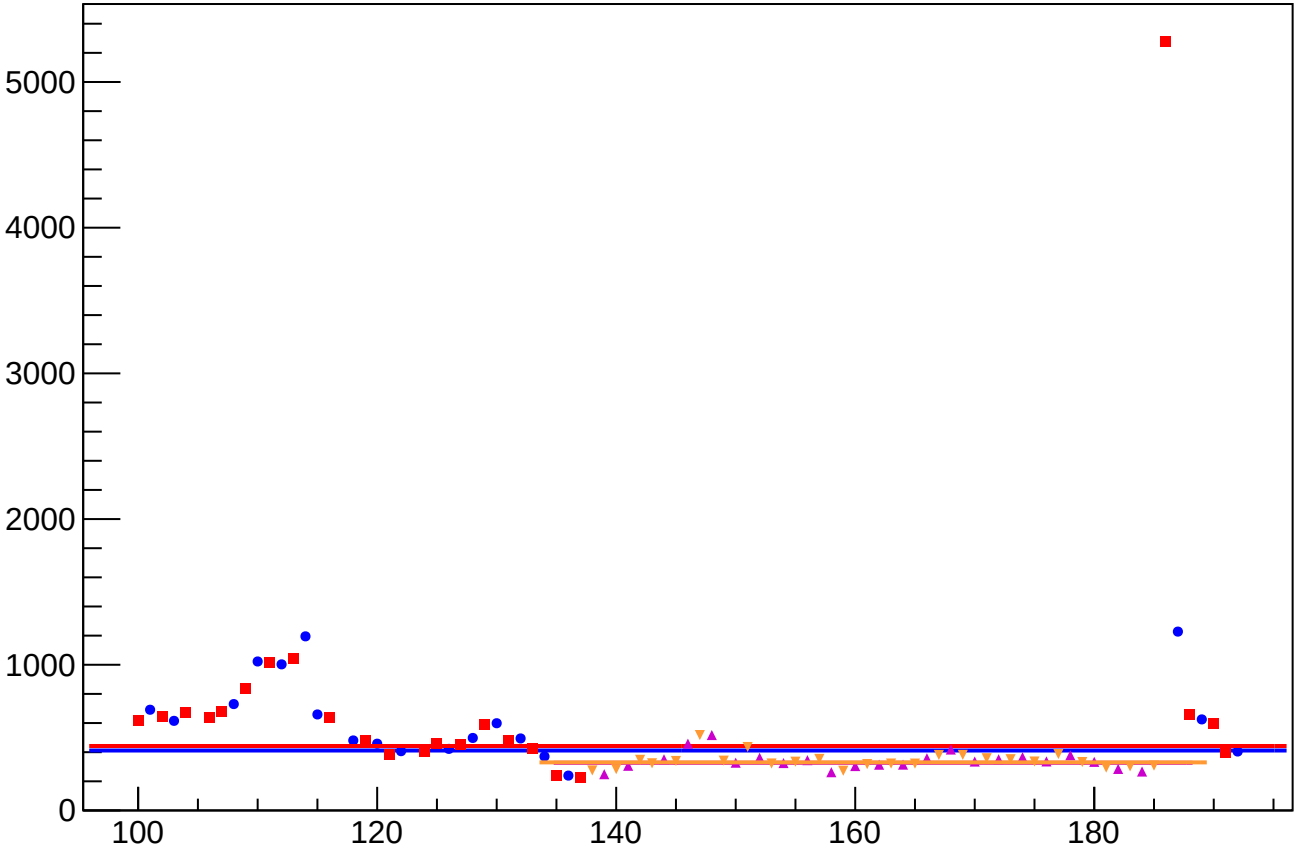
Right: -158.787+/-109.399 χ^2/NDF: 35.1/41

In: -56.133+/-68.868 χ^2/NDF:46.9/41

Out: -24.656+/-68.553 χ^2/NDF:48.6/47

All: -40.323+/-48.585 χ^2/NDF: 95.6/89

asym_sam1_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: 442.434+/-0.113 χ^2/NDF: 3283351.0/22

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

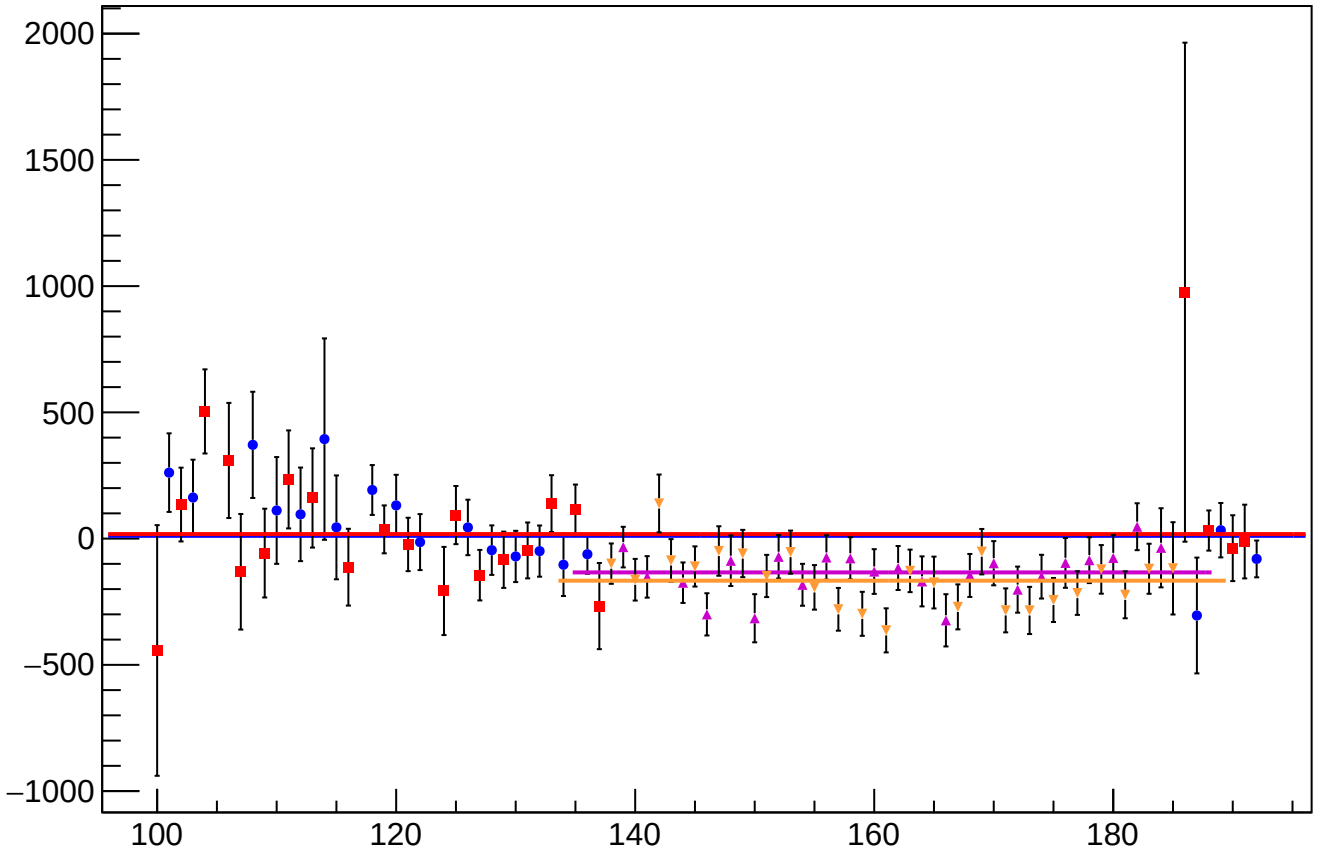
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 425.918+/-0.077 χ^2/NDF: 5966125.1/41

In: 344.804+/-0.049 χ^2/NDF:4043472.1/41

Out: 350.596+/-0.048 χ^2/NDF:4748828.9/47

All: 347.713+/-0.034 χ^2/NDF: 8799407.4/89



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: 17.878+/-27.721 χ^2/NDF: 26.9/22

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

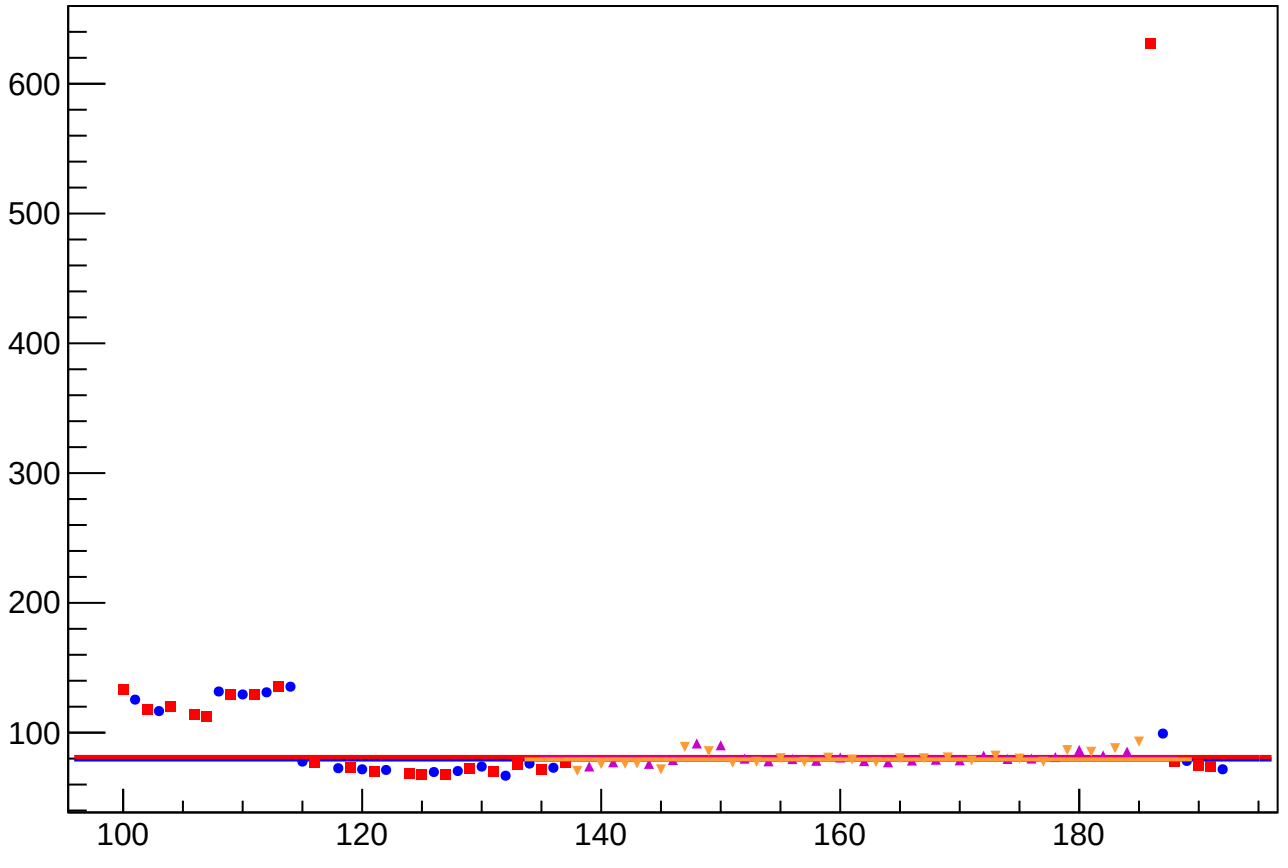
Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

Right: 14.401+/-19.426 χ^2/NDF: 46.0/41

In: -87.227+/-15.446 χ^2/NDF:59.0/41

Out: -111.603+/-15.143 χ^2/NDF:89.7/47

All: -99.657+/-10.813 χ^2/NDF: 149.9/89



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: 81.308+/-0.020 χ^2/NDF: 1563684.3/22

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

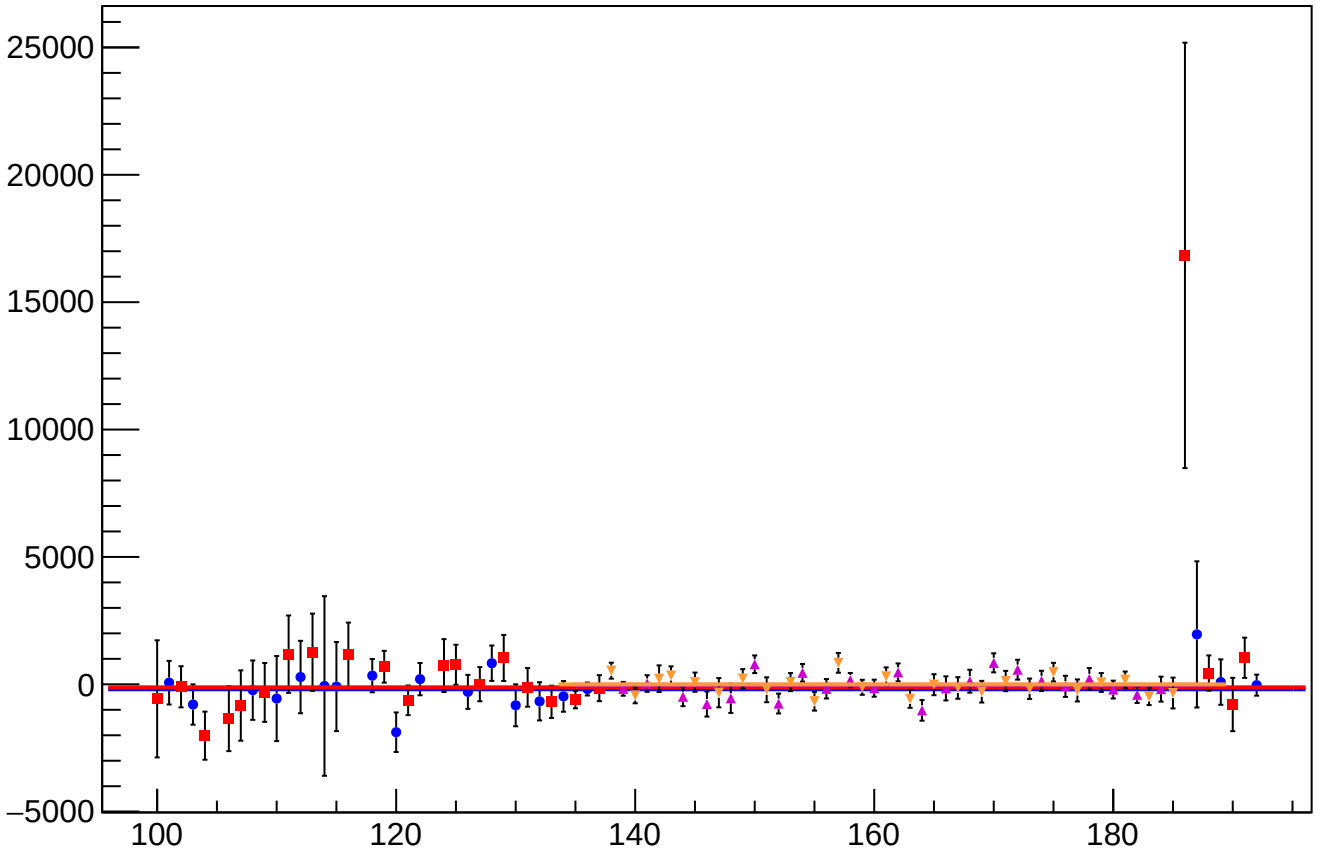
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 80.278+/-0.014 χ^2/NDF: 2448278.0/41

In: 79.878+/-0.011 χ^2/NDF:972044.7/41

Out: 79.976+/-0.011 χ^2/NDF:1705052.6/47

All: 79.928+/-0.008 χ^2/NDF: 2677138.5/89



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: -118.963+/-160.070 χ^2/NDF: 24.1/22

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

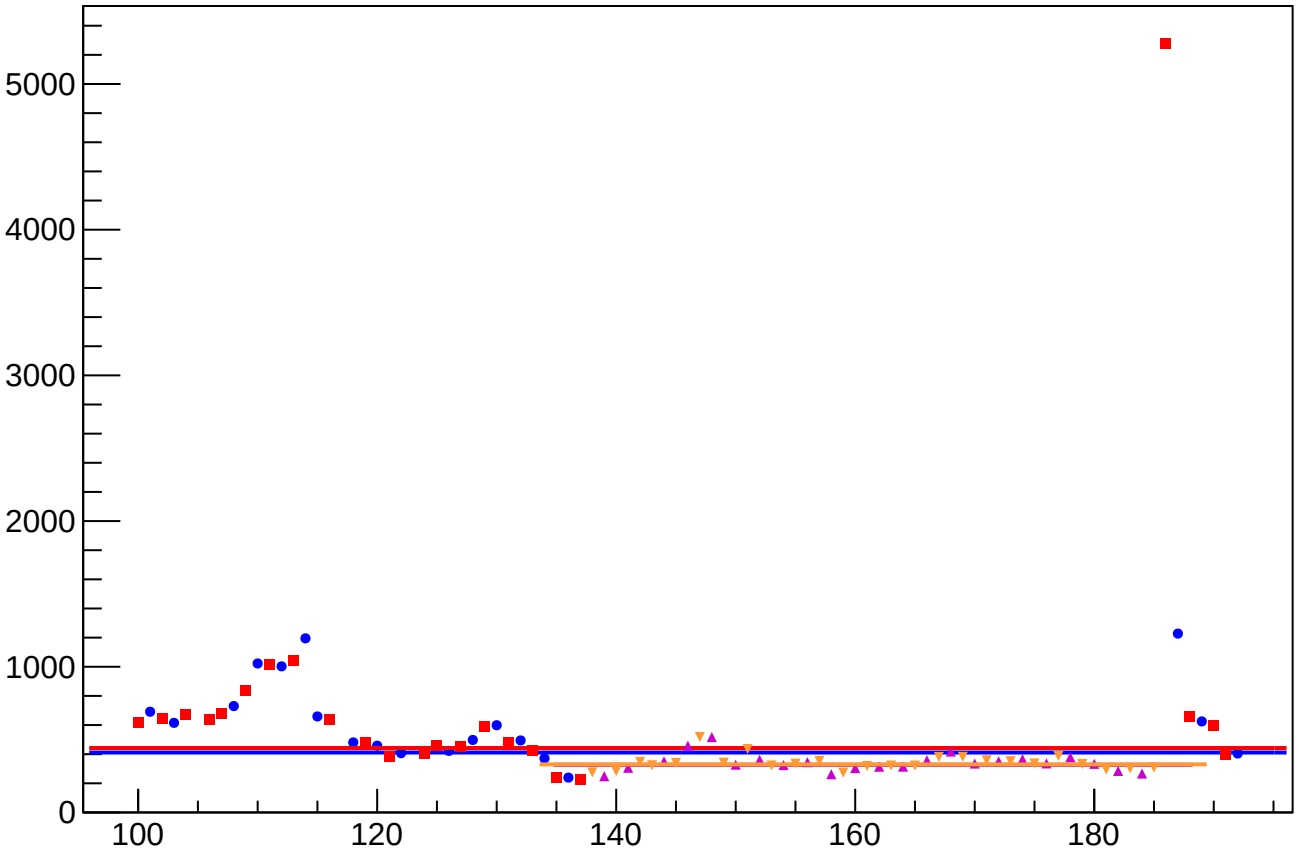
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -158.787+/-109.399 χ^2/NDF: 35.1/41

In: -56.133+/-68.868 χ^2/NDF:46.9/41

Out: -24.656+/-68.553 χ^2/NDF:48.6/47

All: -40.323+/-48.585 χ^2/NDF: 95.6/89



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: 442.434+/-0.113 χ^2/NDF: 3283351.0/22

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

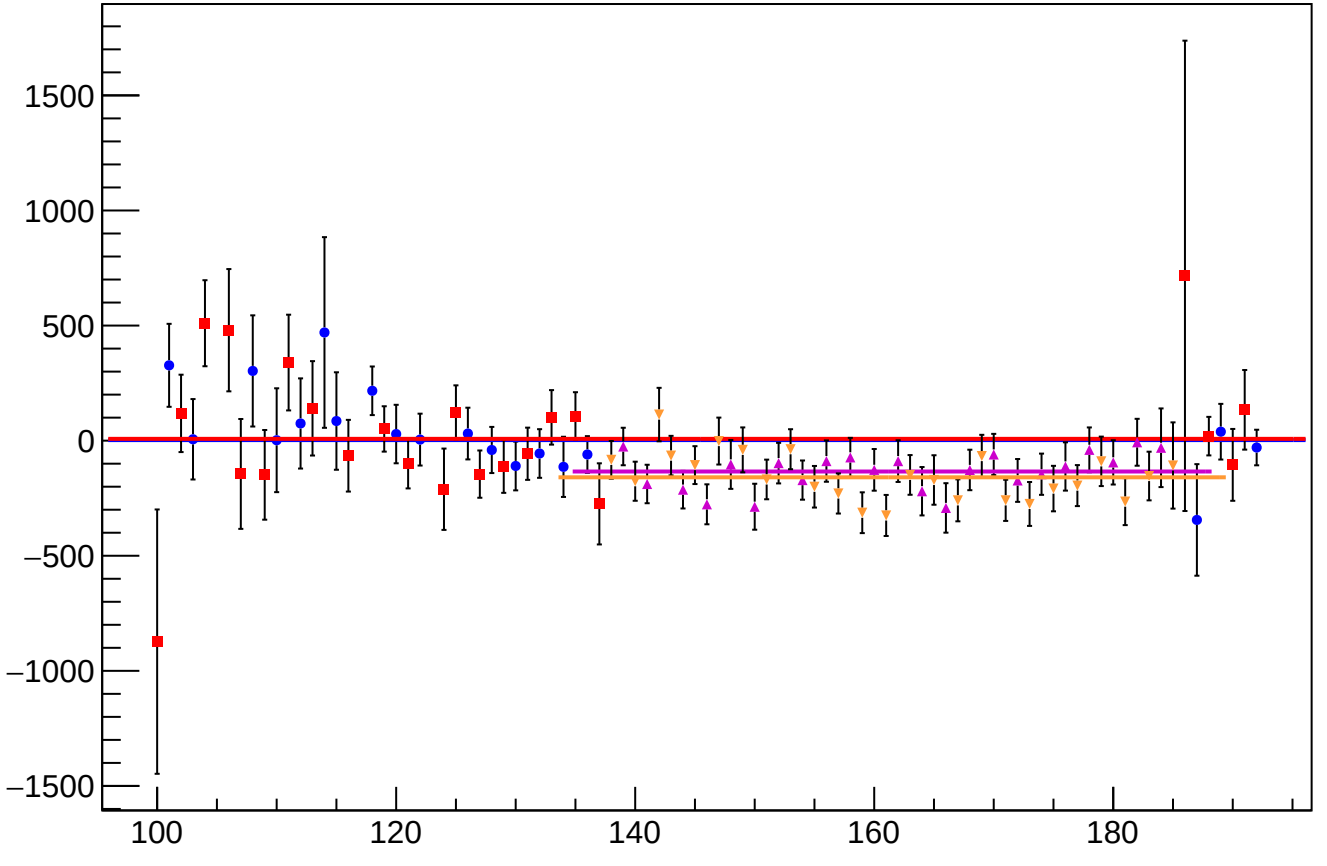
Right: 425.918+/-0.077 χ^2/NDF: 5966125.1/41

In: 344.804+/-0.049 χ^2/NDF:4043472.1/41

Out: 350.596+/-0.048 χ^2/NDF:4748828.9/47

All: 347.713+/-0.034 χ^2/NDF: 8799407.4/89

dit_asym_sam1_mean vs Slug, Sign Corrected



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: 7.863+/-29.258 χ^2/NDF: 30.3/22

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

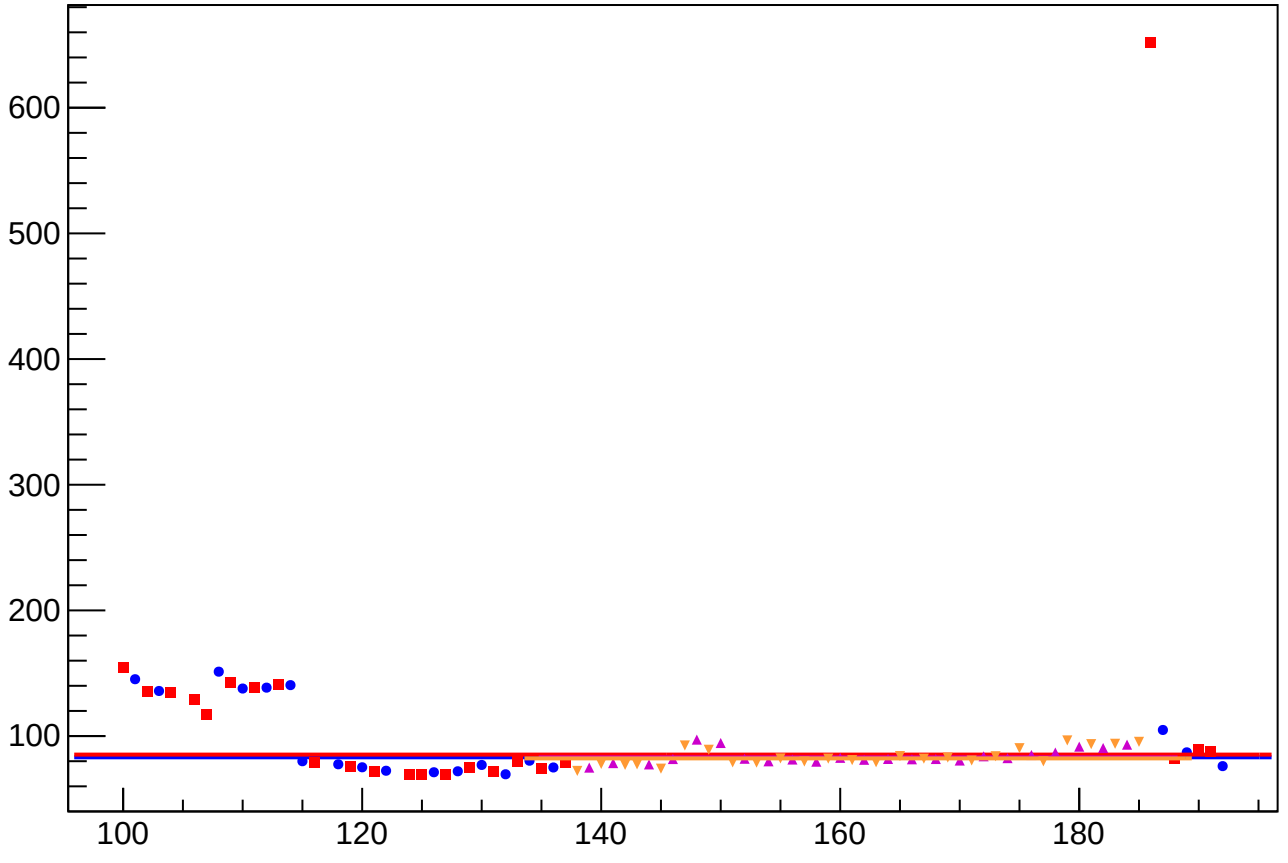
Right: 5.110+/-20.500 χ^2/NDF: 46.3/41

In: -91.152+/-16.101 χ^2/NDF:47.8/41

Out: -110.582+/-15.786 χ^2/NDF:81.6/47

All: -101.059+/-11.272 χ^2/NDF: 130.2/89

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: 85.250+/-0.021 χ^2/NDF: 1741864.0/22

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

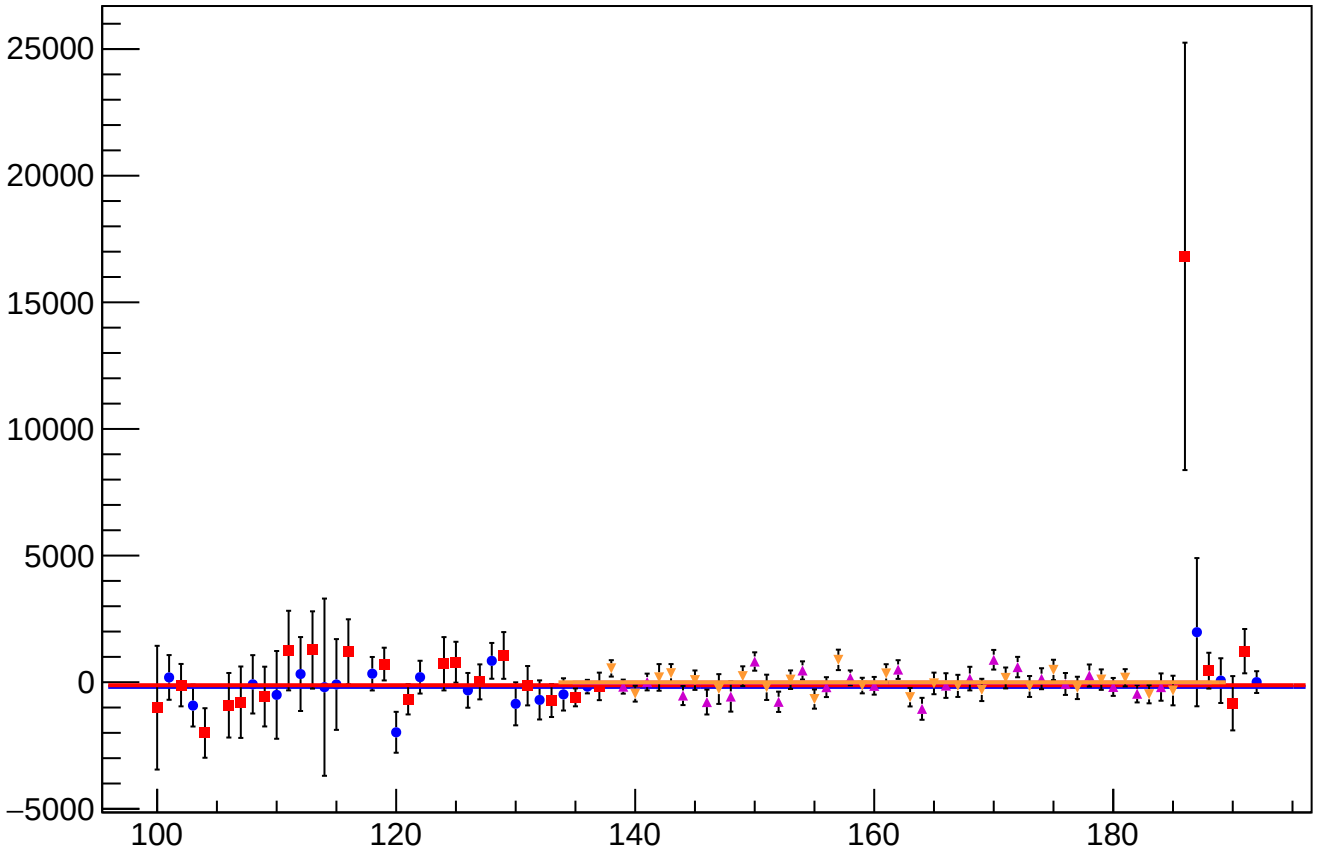
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 84.156+/-0.014 χ^2/NDF: 2817479.6/41

In: 83.027+/-0.011 χ^2/NDF:1215751.5/41

Out: 83.121+/-0.011 χ^2/NDF:1973345.6/47

All: 83.075+/-0.008 χ^2/NDF: 3189132.1/89



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: -118.954+/-165.658 χ^2/NDF: 23.6/22

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

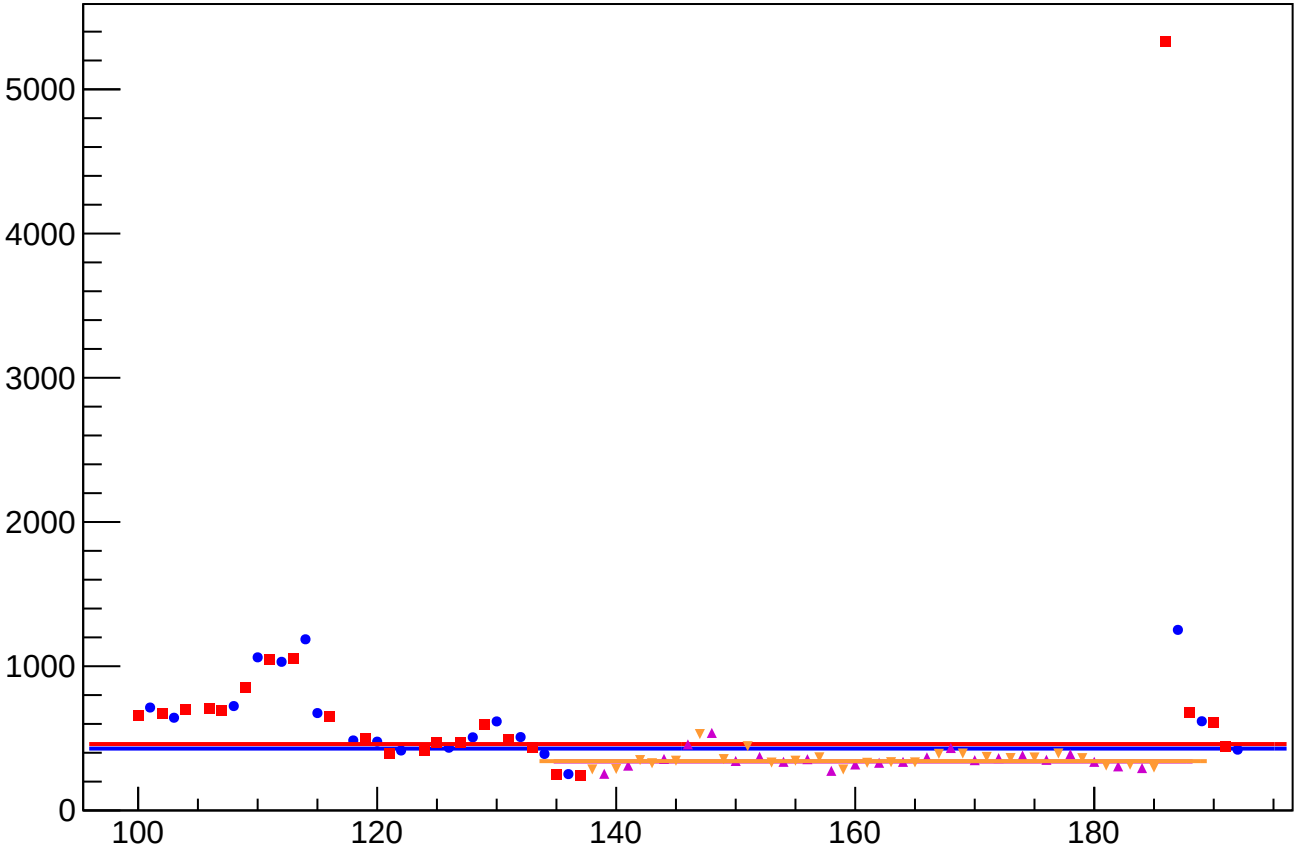
Right: -154.159+/-113.377 χ^2/NDF: 35.0/41

In: -52.102+/-71.425 χ^2/NDF:47.1/41

Out: -24.376+/-70.999 χ^2/NDF:47.5/47

All: -38.156+/-50.354 χ^2/NDF: 94.7/89

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: 460.455+/-0.117 χ^2/NDF: 3224335.3/22

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

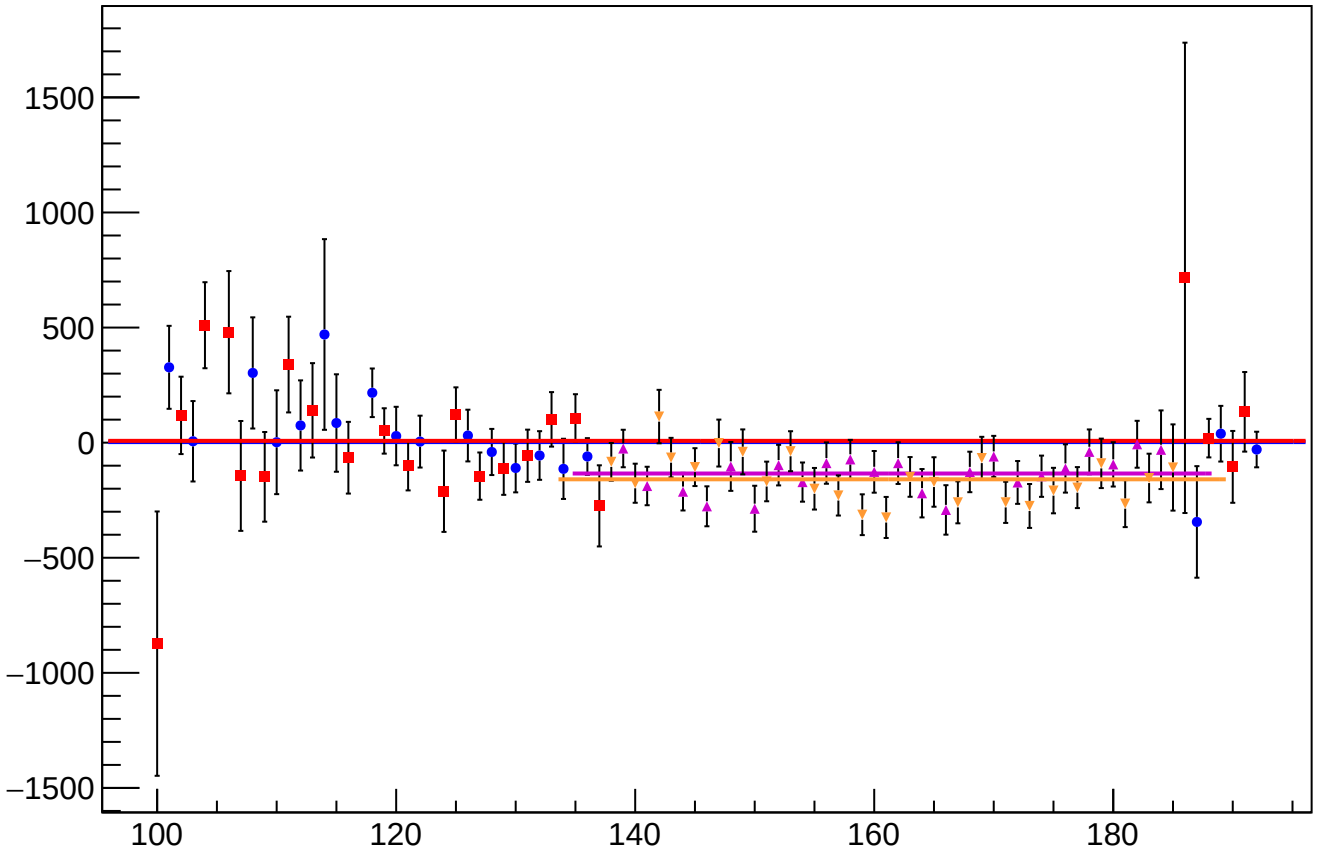
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 443.717+/-0.080 χ^2/NDF: 5773445.6/41

In: 358.320+/-0.051 χ^2/NDF:3880626.1/41

Out: 363.691+/-0.050 χ^2/NDF:4714192.8/47

All: 361.022+/-0.036 χ^2/NDF: 8600506.8/89



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: 7.862+/-29.258 χ^2/NDF: 30.3/22

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

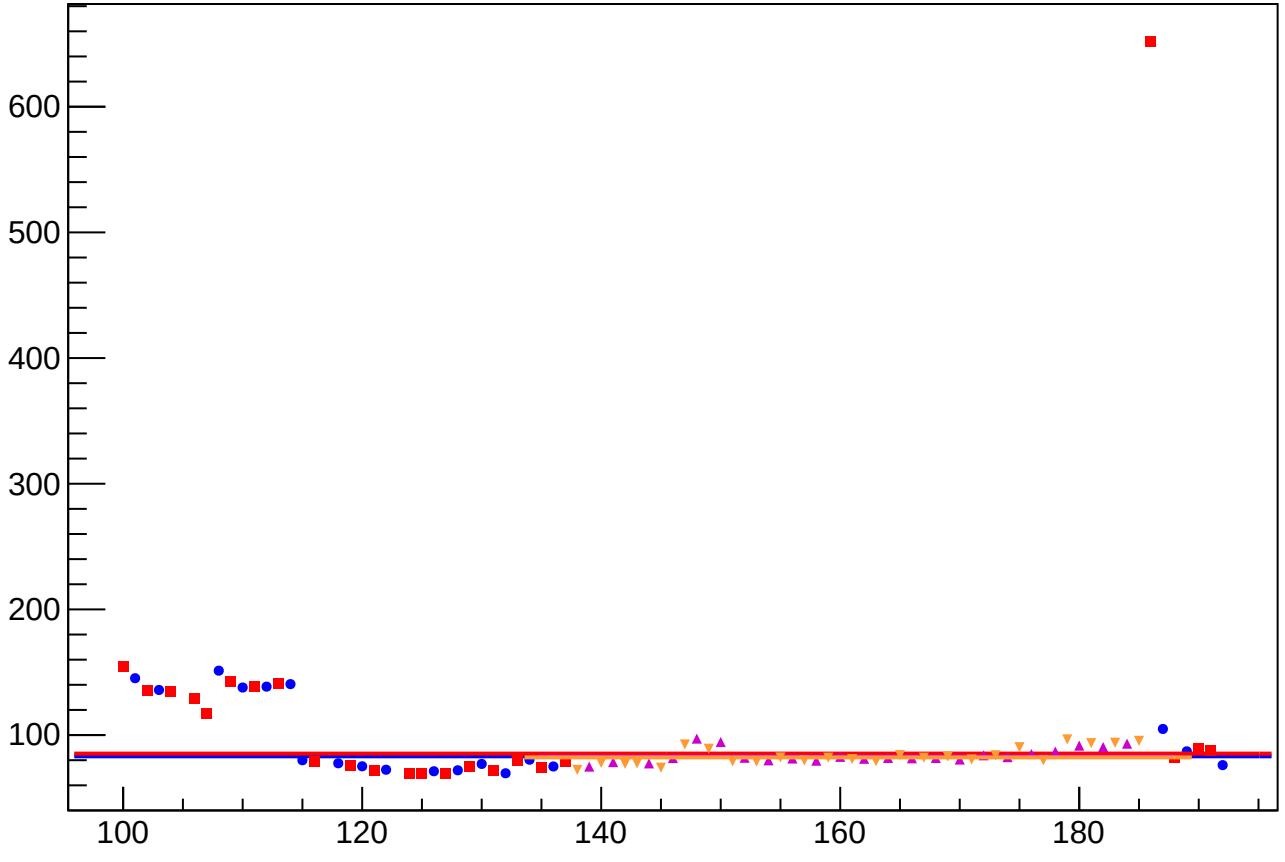
Right: 5.110+/-20.500 χ^2/NDF: 46.3/41

In: -91.152+/-16.101 χ^2/NDF:47.8/41

Out: -110.582+/-15.786 χ^2/NDF:81.6/47

All: -101.059+/-11.272 χ^2/NDF: 130.2/89

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: 85.250+/-0.021 χ^2/NDF: 1741863.0/22

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

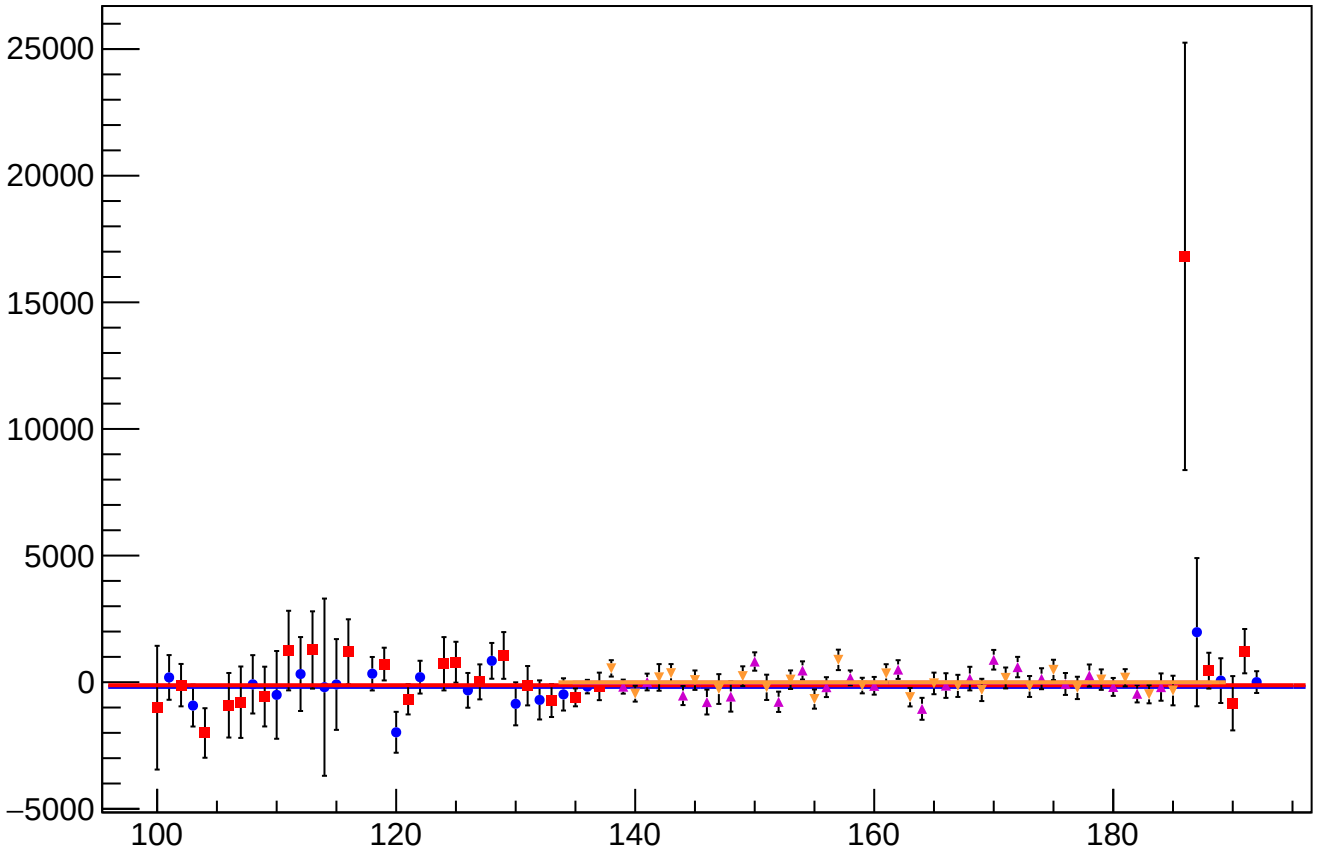
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 84.156+/-0.014 χ^2/NDF: 2817479.2/41

In: 83.027+/-0.011 χ^2/NDF:1215750.5/41

Out: 83.121+/-0.011 χ^2/NDF:1973343.9/47

All: 83.075+/-0.008 χ^2/NDF: 3189129.5/89



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: -118.954+/-165.658 χ^2/NDF: 23.6/22

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

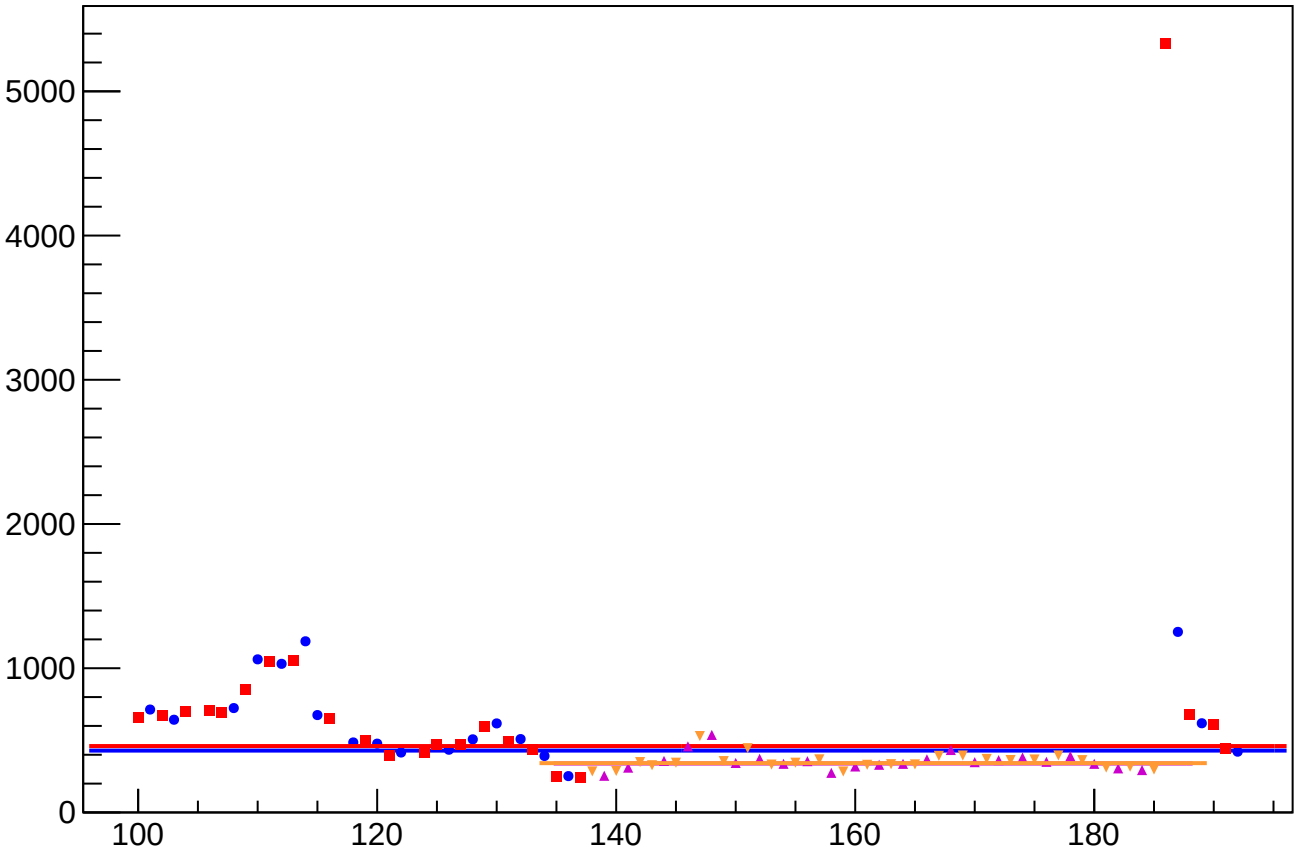
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -154.158+/-113.377 χ^2/NDF: 35.0/41

In: -52.102+/-71.425 χ^2/NDF:47.1/41

Out: -24.376+/-70.999 χ^2/NDF:47.5/47

All: -38.156+/-50.354 χ^2/NDF: 94.7/89



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: 460.454+/-0.117 χ^2/NDF: 3224342.4/22

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

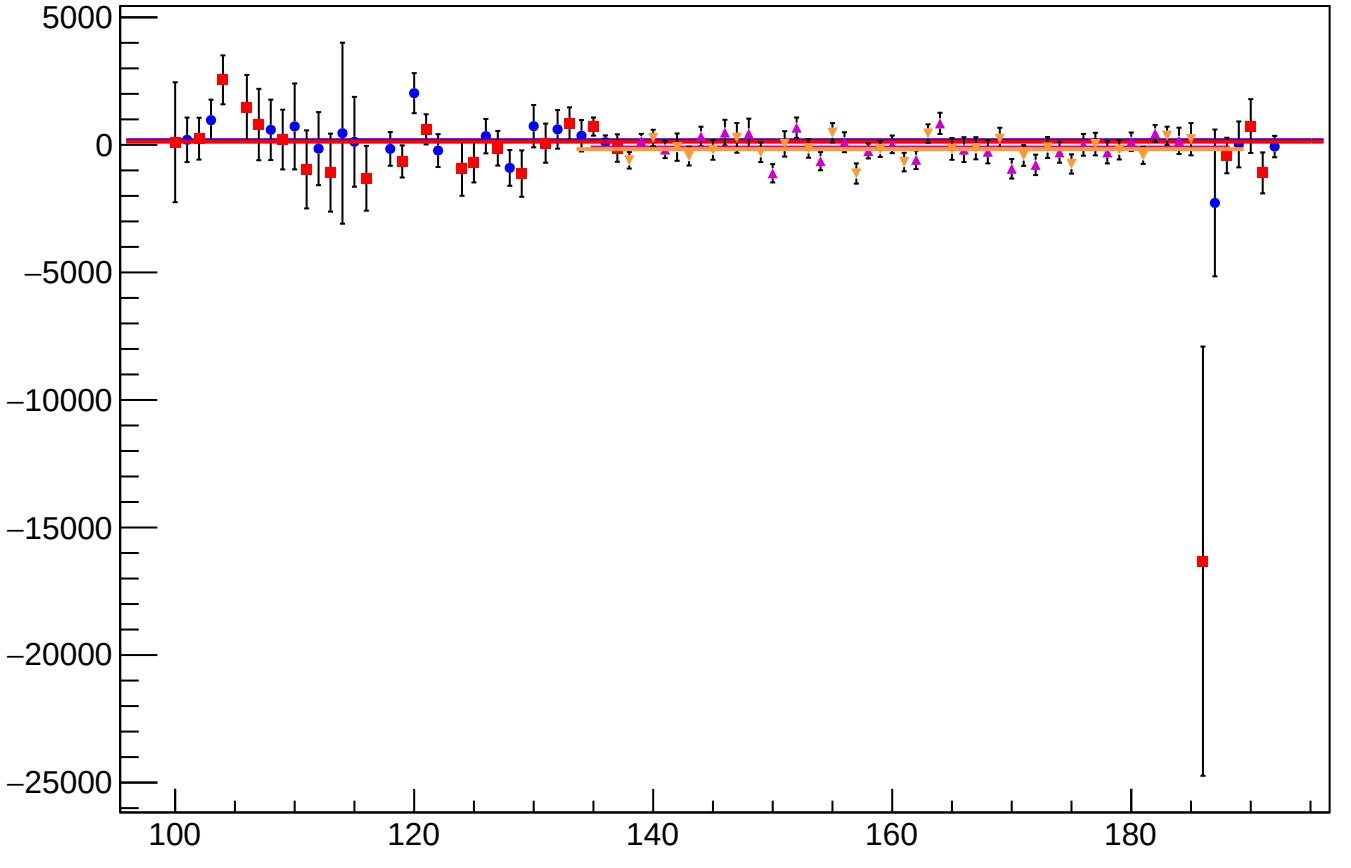
Right: 443.716+/-0.080 χ^2/NDF: 5773457.7/41

In: 358.320+/-0.051 χ^2/NDF:3880627.6/41

Out: 363.691+/-0.050 χ^2/NDF:4714192.5/47

All: 361.022+/-0.036 χ^2/NDF: 8600508.0/89

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: 125.576+/-163.769 χ^2/NDF: 27.7/22

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

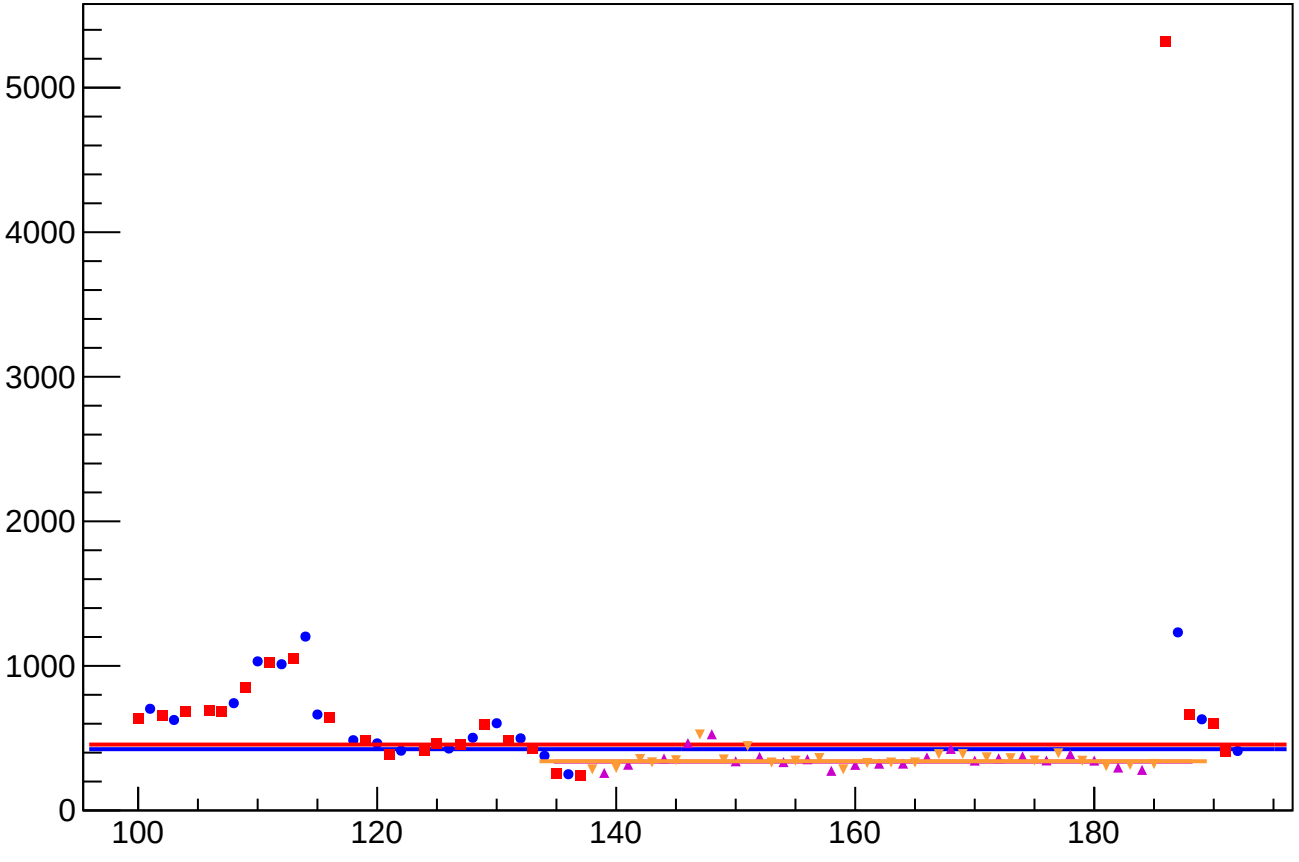
Right: 155.191+/-112.038 χ^2/NDF: 39.6/41

In: -43.158+/-70.951 χ^2/NDF:52.1/41

Out: -113.009+/-70.552 χ^2/NDF:55.9/47

All: -78.280+/-50.028 χ^2/NDF: 108.5/89

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: 455.822+/-0.116 χ^2/NDF: 3151980.6/22

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

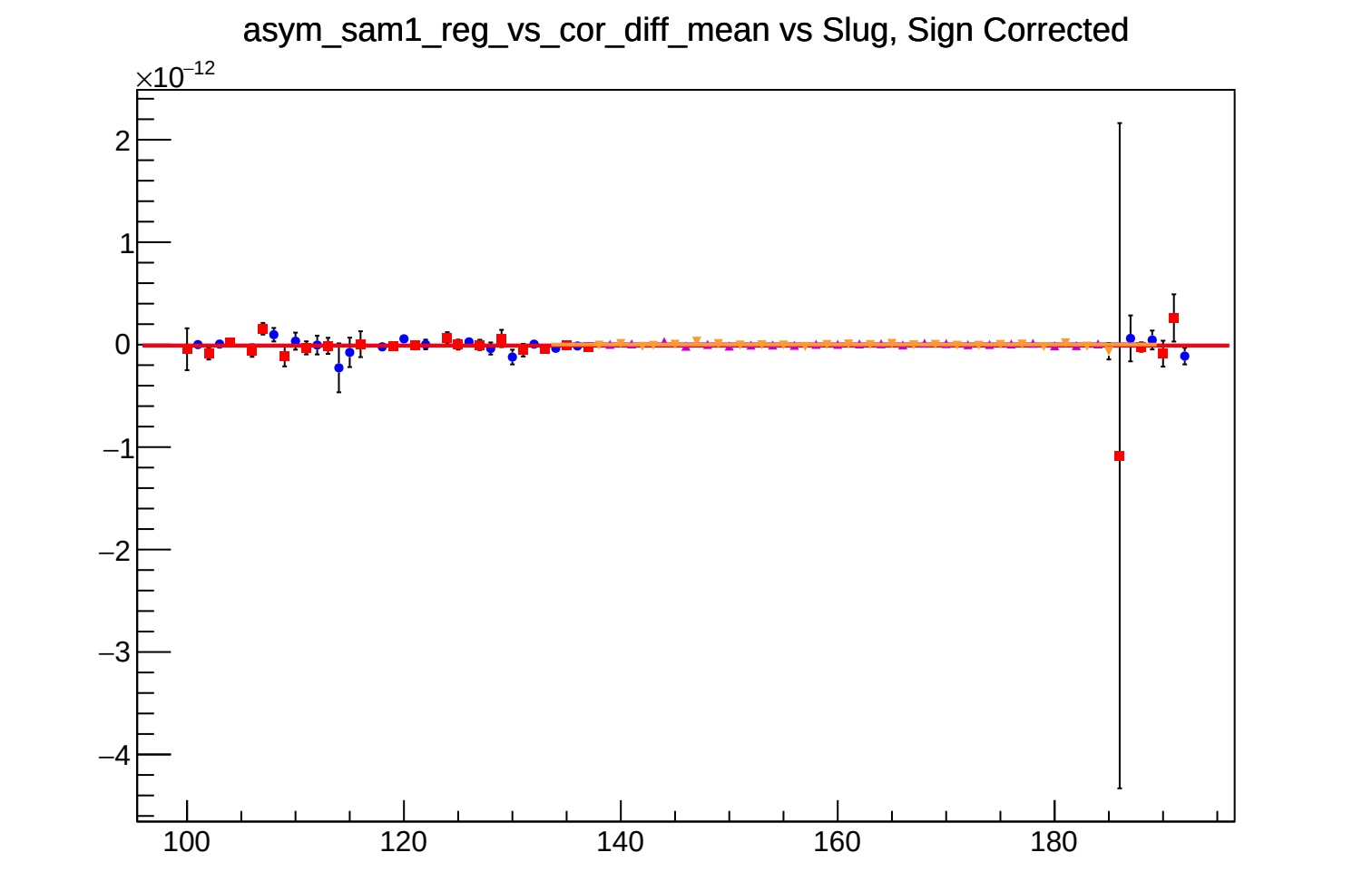
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

Right: 438.799+/-0.079 χ^2/NDF: 5686080.0/41

In: 356.119+/-0.050 χ^2/NDF:3808010.4/41

Out: 361.814+/-0.050 χ^2/NDF:4565331.2/47

All: 358.983+/-0.035 χ^2/NDF: 8379820.1/89



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: 18.3/22

Left In: 0.000+/-0.000 χ^2/NDF:11.9/22

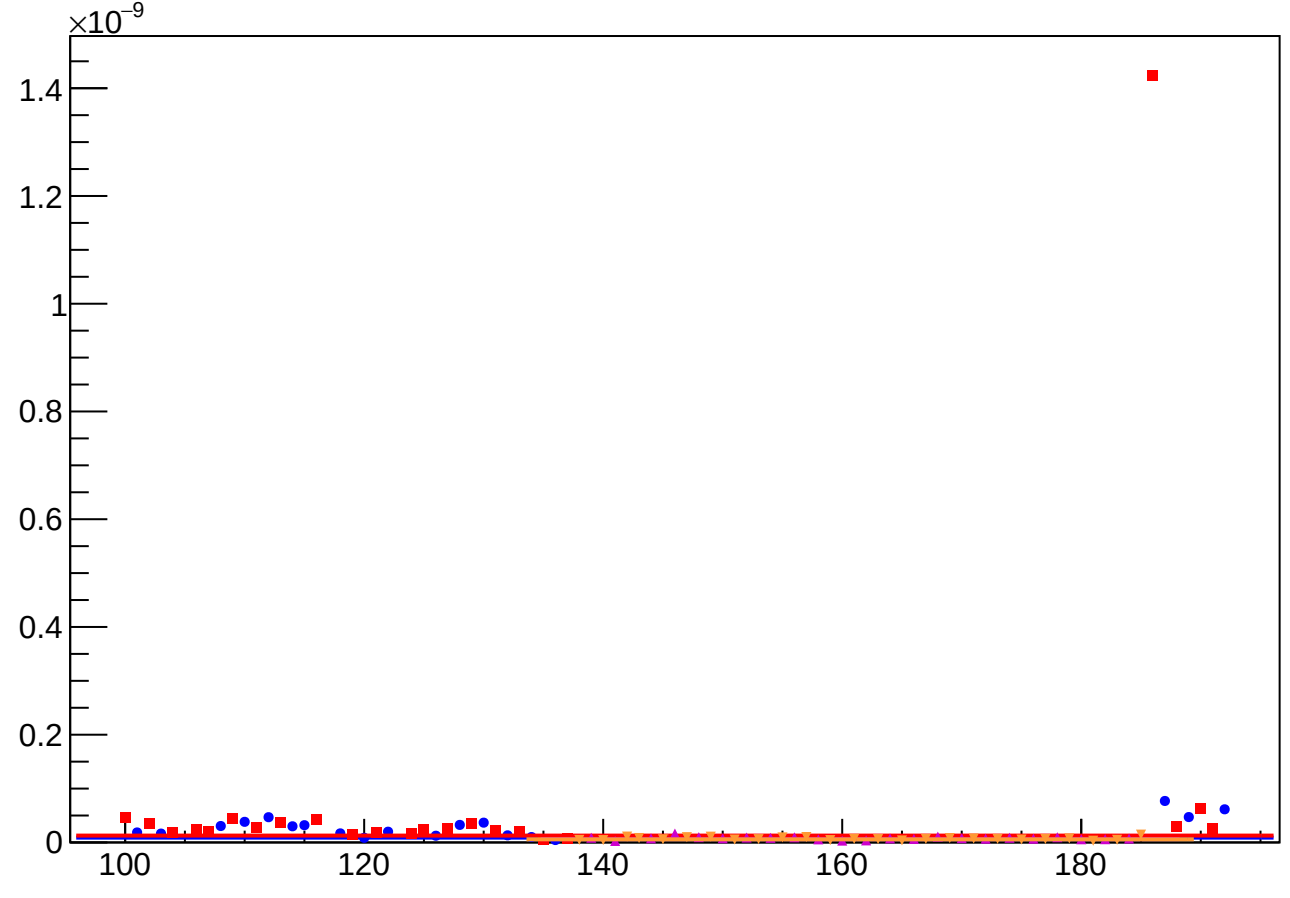
Left: 0.000+/-0.000 χ^2/NDF: 28.7/47

Right: -0.000+/-0.000 χ^2/NDF: 35.2/41

In: 0.000+/-0.000 χ^2/NDF:31.9/41

Out: 0.000+/-0.000 χ^2/NDF:36.2/47

All: 0.000+/-0.000 χ^2/NDF: 68.4/89



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: 3741892.8/22

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

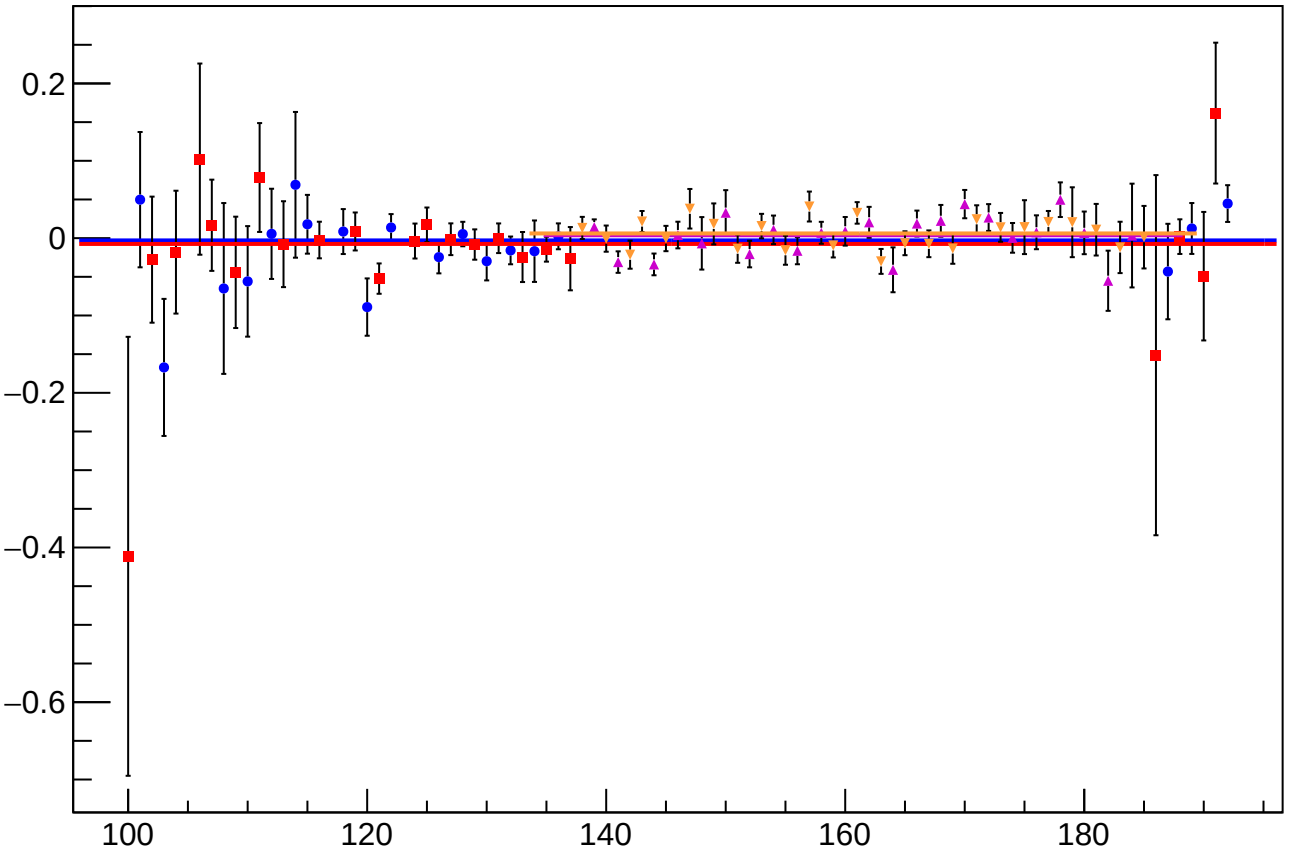
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 8163376.5/41

In: 0.000+/-0.000 χ^2/NDF:6451923.9/41

Out: 0.000+/-0.000 χ^2/NDF:6277101.4/47

All: 0.000+/-0.000 χ^2/NDF: 12746023.0/89



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: -0.007+/-0.006 χ^2/NDF: 16.9/22

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

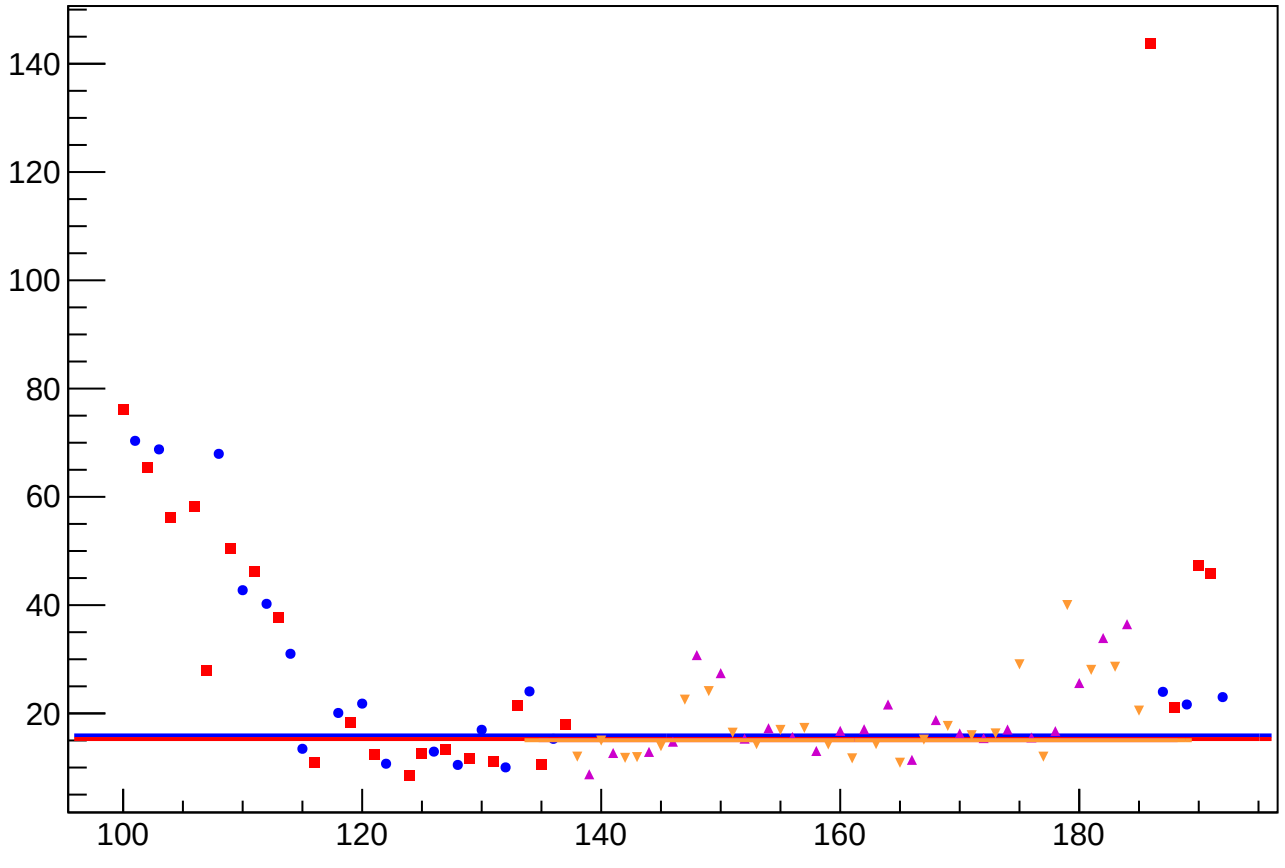
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.005+/-0.004 χ^2/NDF: 37.2/41

In: 0.002+/-0.003 χ^2/NDF:57.9/41

Out: 0.002+/-0.003 χ^2/NDF:47.2/47

All: 0.002+/-0.002 χ^2/NDF: 105.1/89



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: 15.265+/-0.004 χ^2/NDF: 4941941.2/22

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

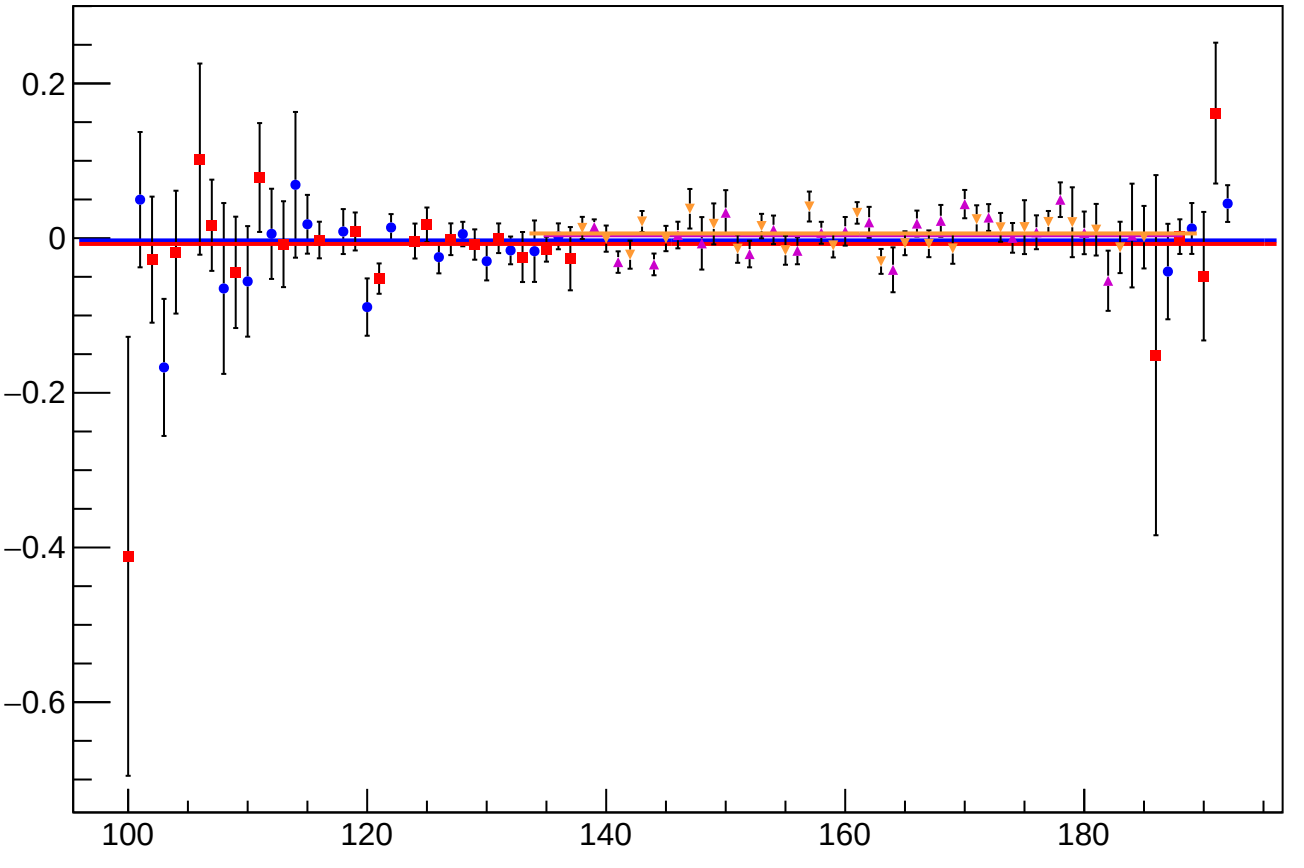
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.585+/-0.003 χ^2/NDF: 8699485.5/41

In: 15.299+/-0.002 χ^2/NDF:6839849.1/41

Out: 15.104+/-0.002 χ^2/NDF:7701892.9/47

All: 15.198+/-0.002 χ^2/NDF: 14545402.9/89



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: -0.007+/-0.006 χ^2/NDF: 16.9/22

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

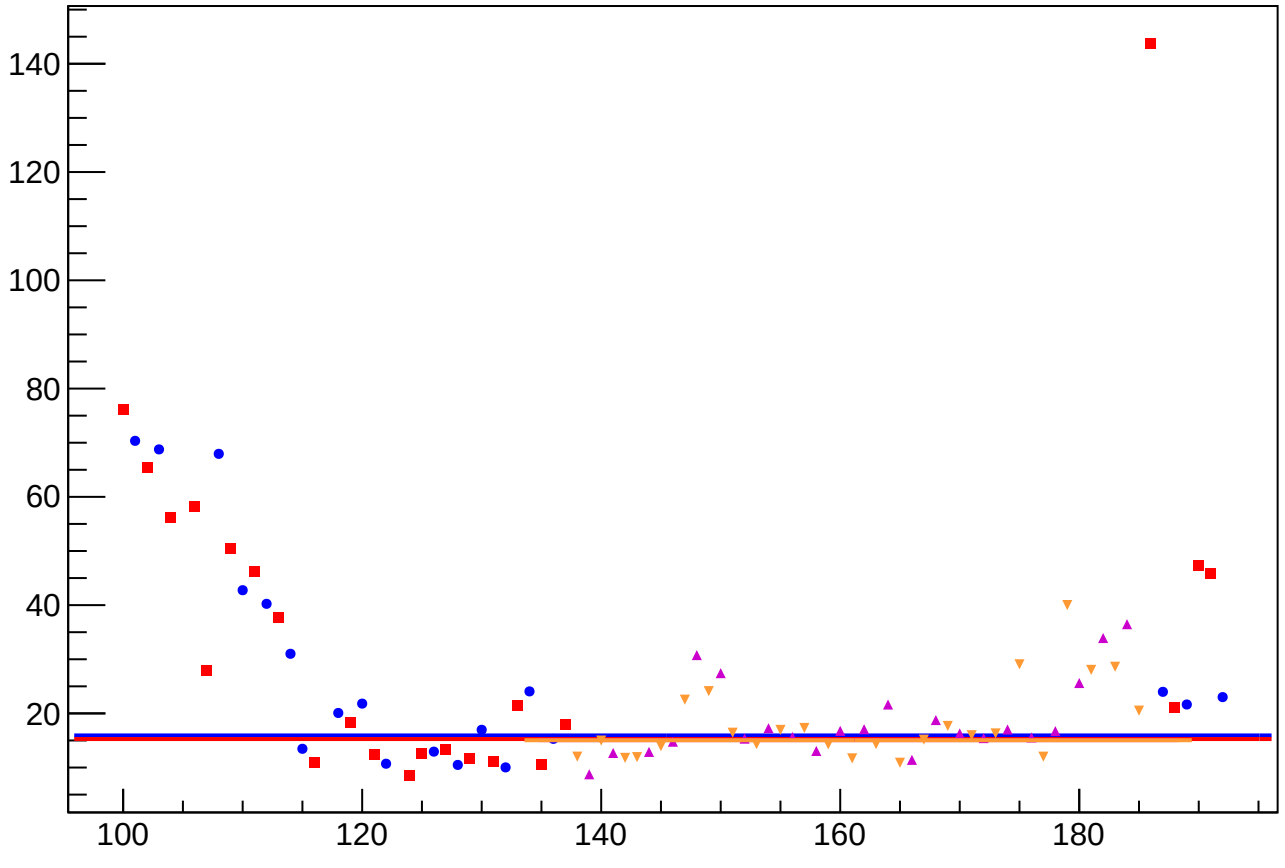
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.005+/-0.004 χ^2/NDF: 37.2/41

In: 0.002+/-0.003 χ^2/NDF:57.9/41

Out: 0.002+/-0.003 χ^2/NDF:47.2/47

All: 0.002+/-0.002 χ^2/NDF: 105.1/89



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: 15.265+/-0.004 χ^2/NDF: 4941941.2/22

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

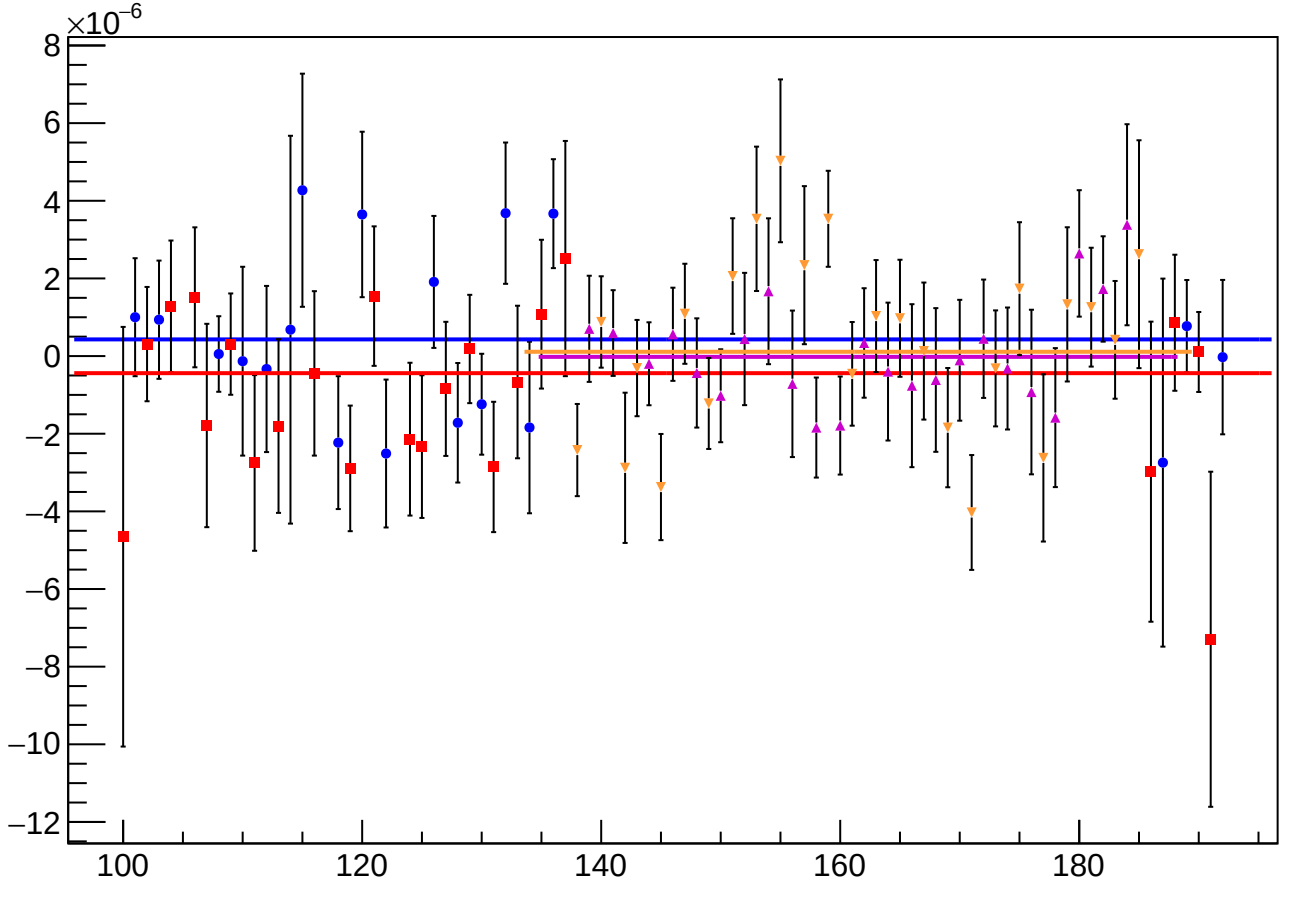
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.585+/-0.003 χ^2/NDF: 8699485.5/41

In: 15.299+/-0.002 χ^2/NDF:6839849.1/41

Out: 15.104+/-0.002 χ^2/NDF:7701892.9/47

All: 15.198+/-0.002 χ^2/NDF: 14545402.9/89



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: 18.1/22

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

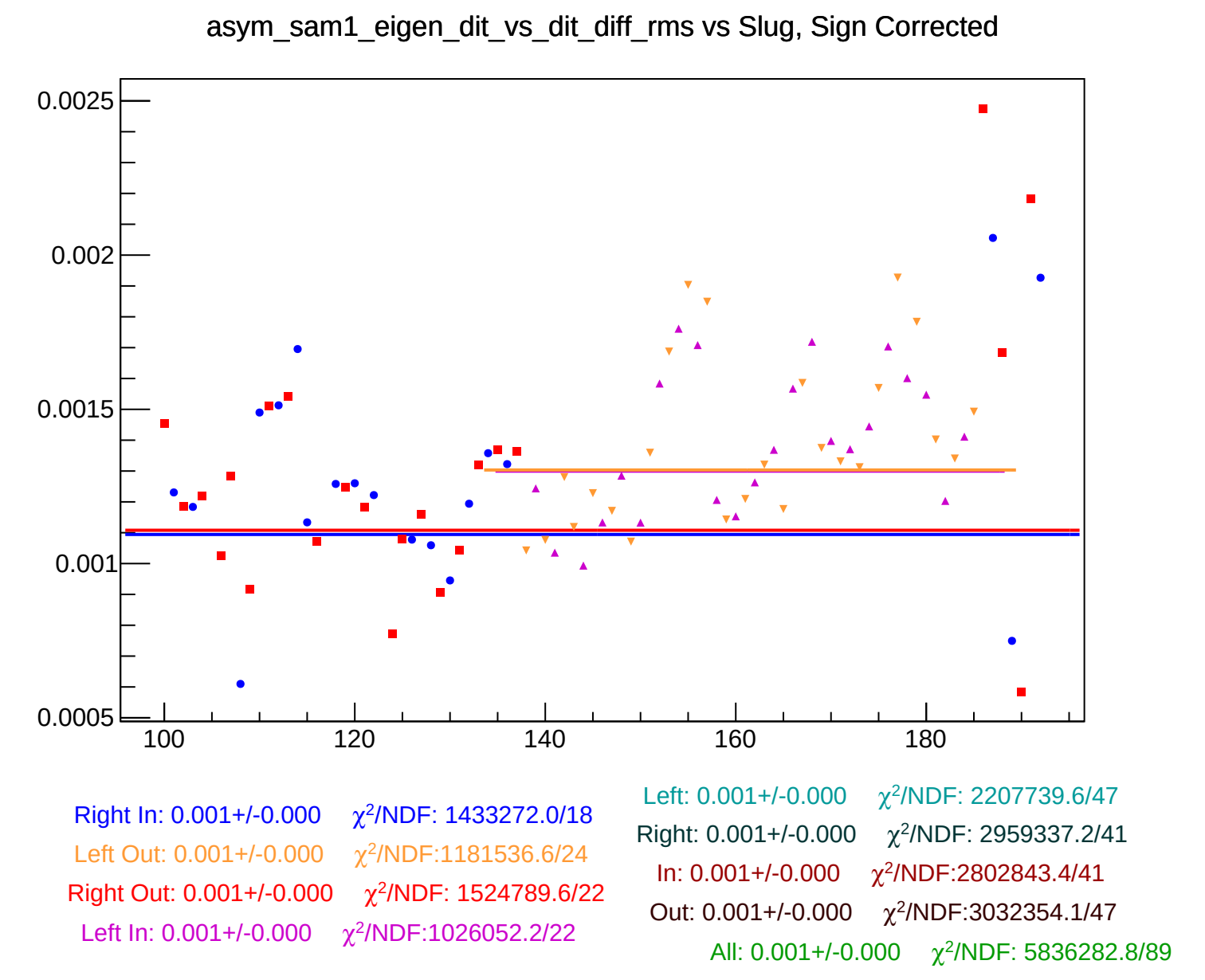
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

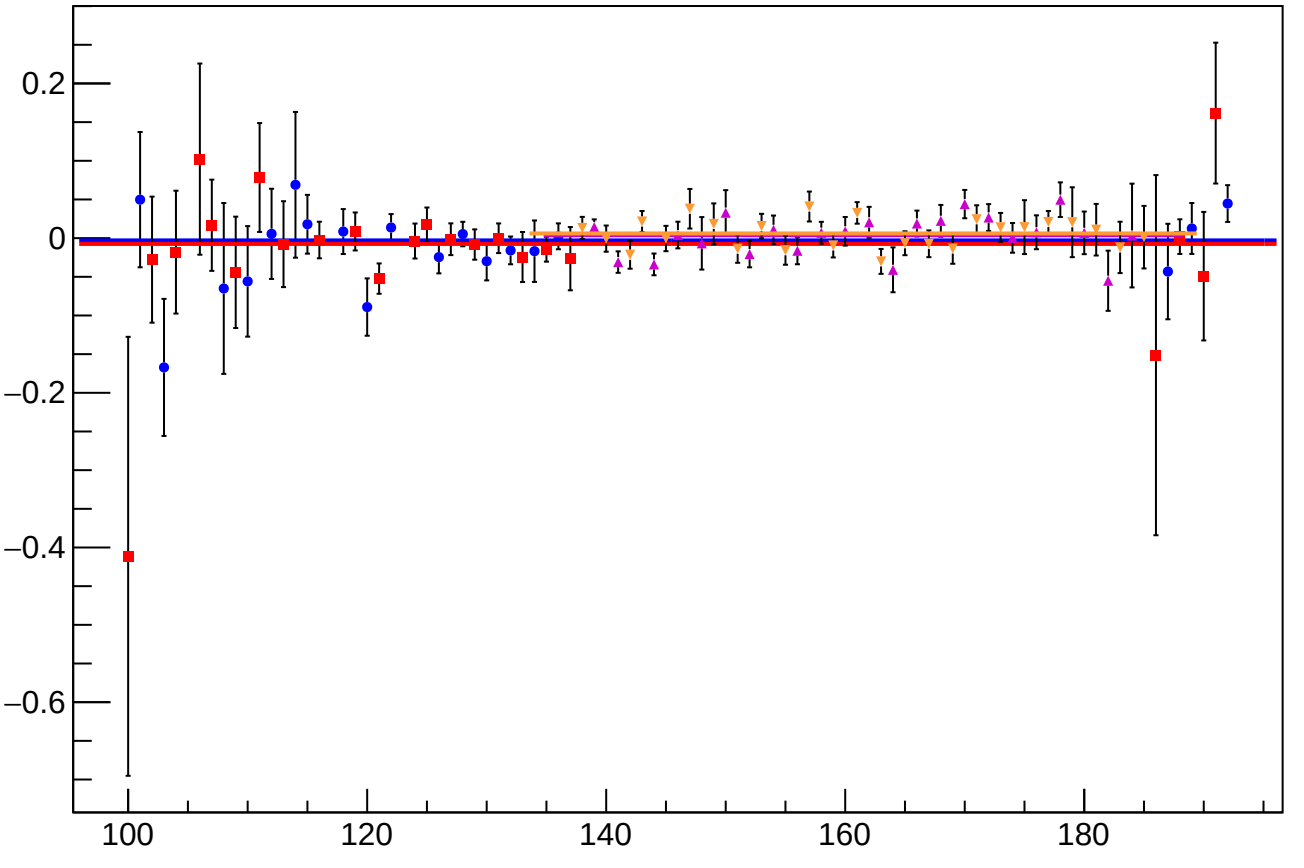
Right: -0.000+/-0.000 χ^2/NDF: 44.5/41

In: 0.000+/-0.000 χ^2/NDF:38.7/41

Out: -0.000+/-0.000 χ^2/NDF:69.4/47

All: 0.000+/-0.000 χ^2/NDF: 108.7/89


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
Right In: 0.001+/-0.000 χ²/NDF: 1433272.0/18
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 1524789.6/22
Left In: 0.001+/-0.000 χ²/NDF:1026052.2/22
Left: 0.001+/-0.000 χ²/NDF: 2207739.6/47
Right: 0.001+/-0.000 χ²/NDF: 2959337.2/41
In: 0.001+/-0.000 χ²/NDF:2802843.4/41
Out: 0.001+/-0.000 χ²/NDF:3032354.1/47
All: 0.001+/-0.000 χ²/NDF: 5836282.8/89



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: -0.007+/-0.006 χ^2/NDF: 16.9/22

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

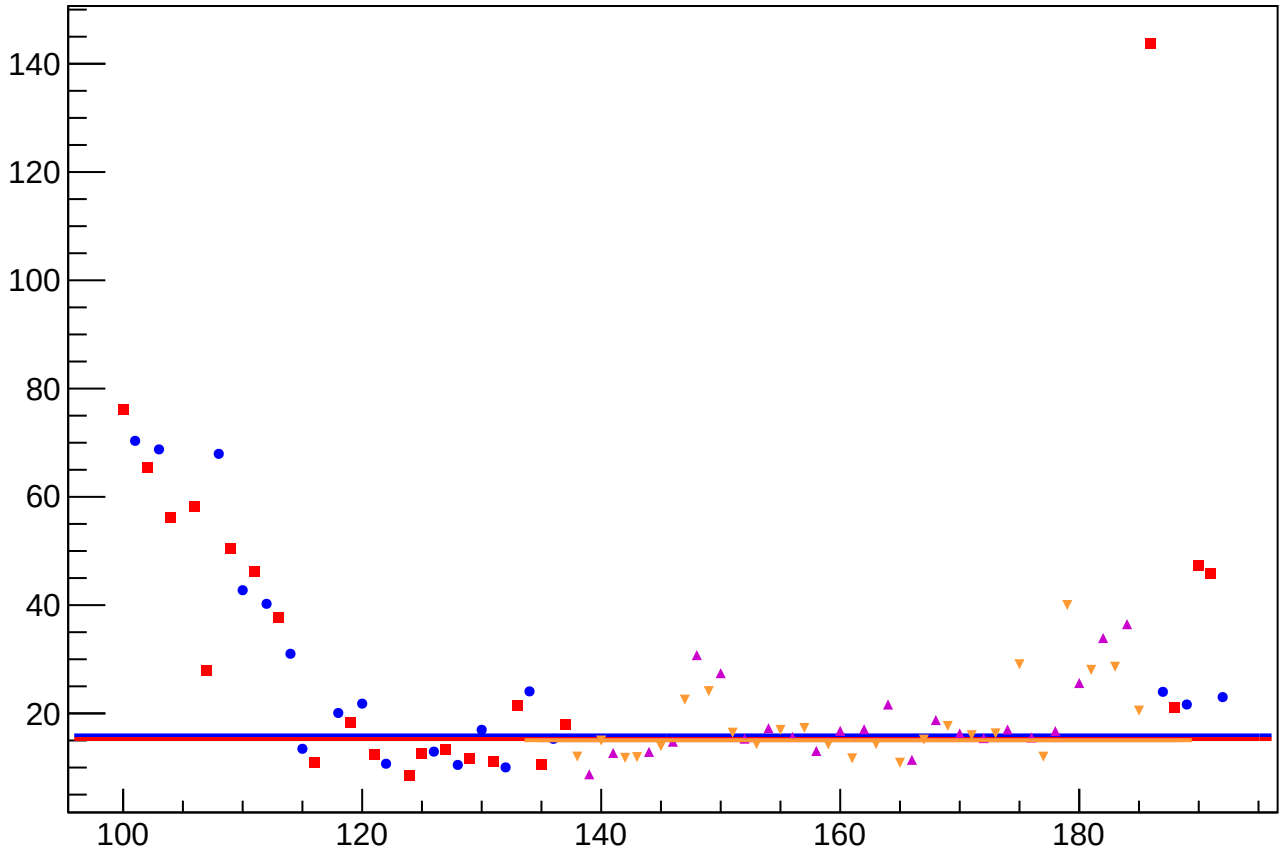
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.005+/-0.004 χ^2/NDF: 37.2/41

In: 0.002+/-0.003 χ^2/NDF:57.9/41

Out: 0.002+/-0.003 χ^2/NDF:47.2/47

All: 0.002+/-0.002 χ^2/NDF: 105.1/89



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: 15.265+/-0.004 χ^2/NDF: 4941928.2/22

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

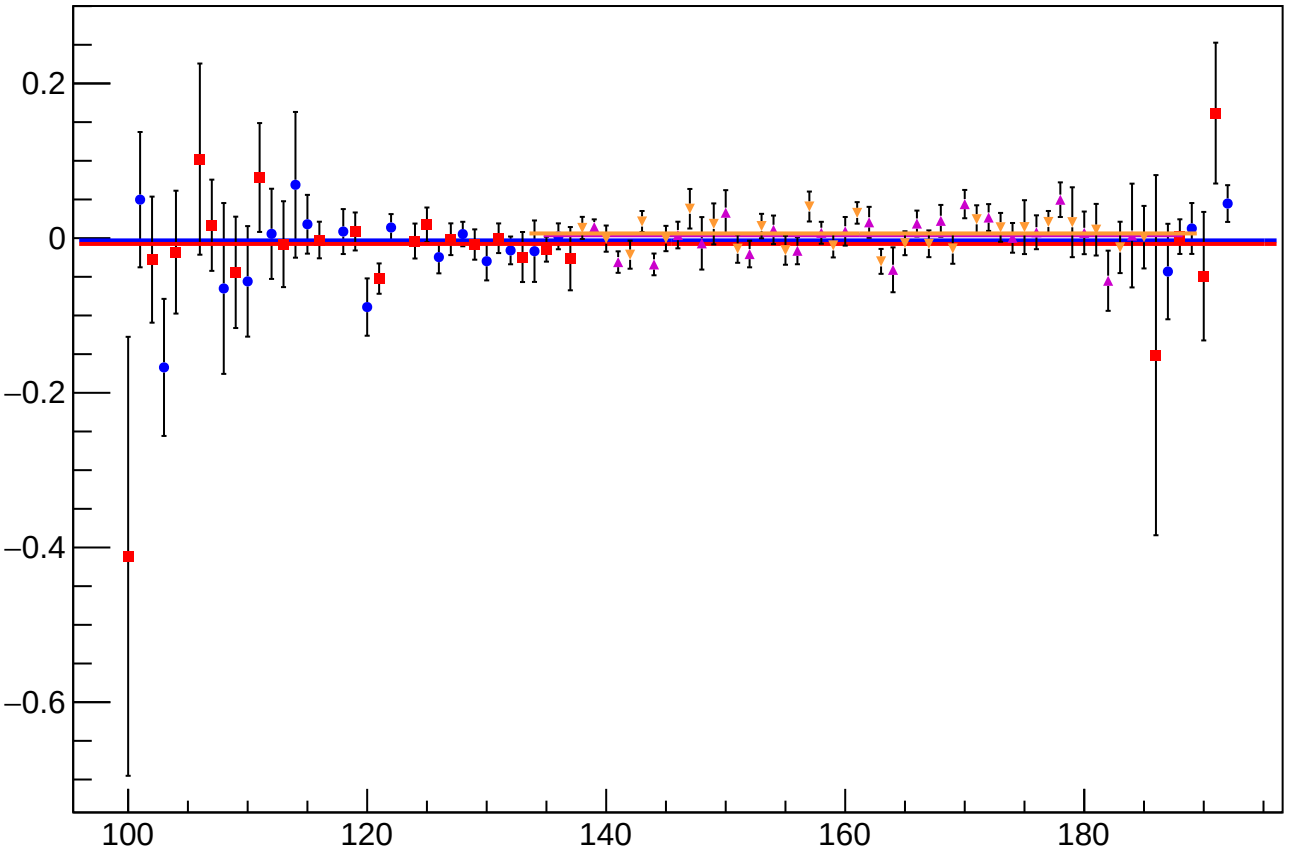
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.585+/-0.003 χ^2/NDF: 8699480.7/41

In: 15.299+/-0.002 χ^2/NDF:6839903.0/41

Out: 15.104+/-0.002 χ^2/NDF:7702091.9/47

All: 15.198+/-0.002 χ^2/NDF: 14545656.9/89



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: -0.007+/-0.006 χ^2/NDF: 16.9/22

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

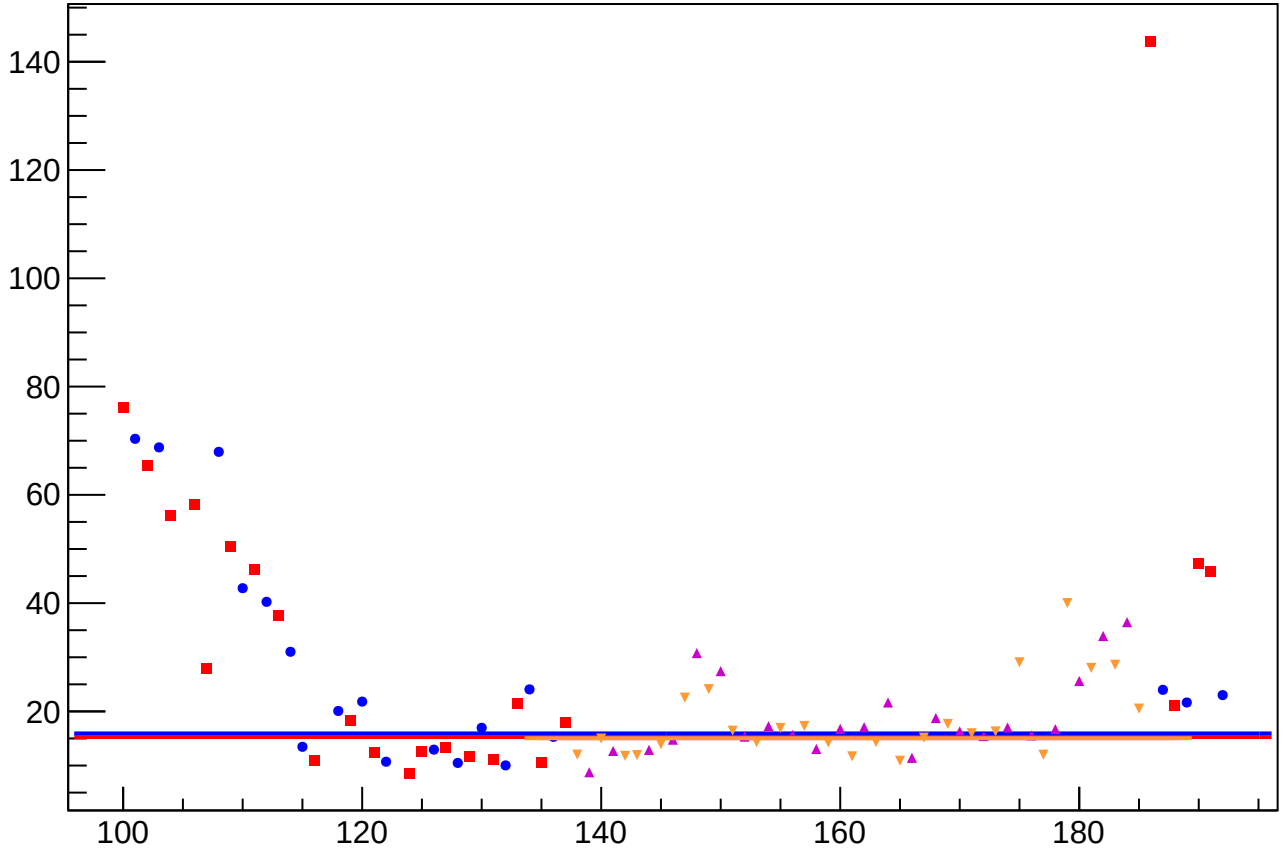
Right: -0.005+/-0.004 χ^2/NDF: 37.2/41

In: 0.002+/-0.003 χ^2/NDF:57.9/41

Out: 0.002+/-0.003 χ^2/NDF:47.2/47

All: 0.002+/-0.002 χ^2/NDF: 105.1/89

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: 15.265+/-0.004 χ^2/NDF: 4941928.2/22

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

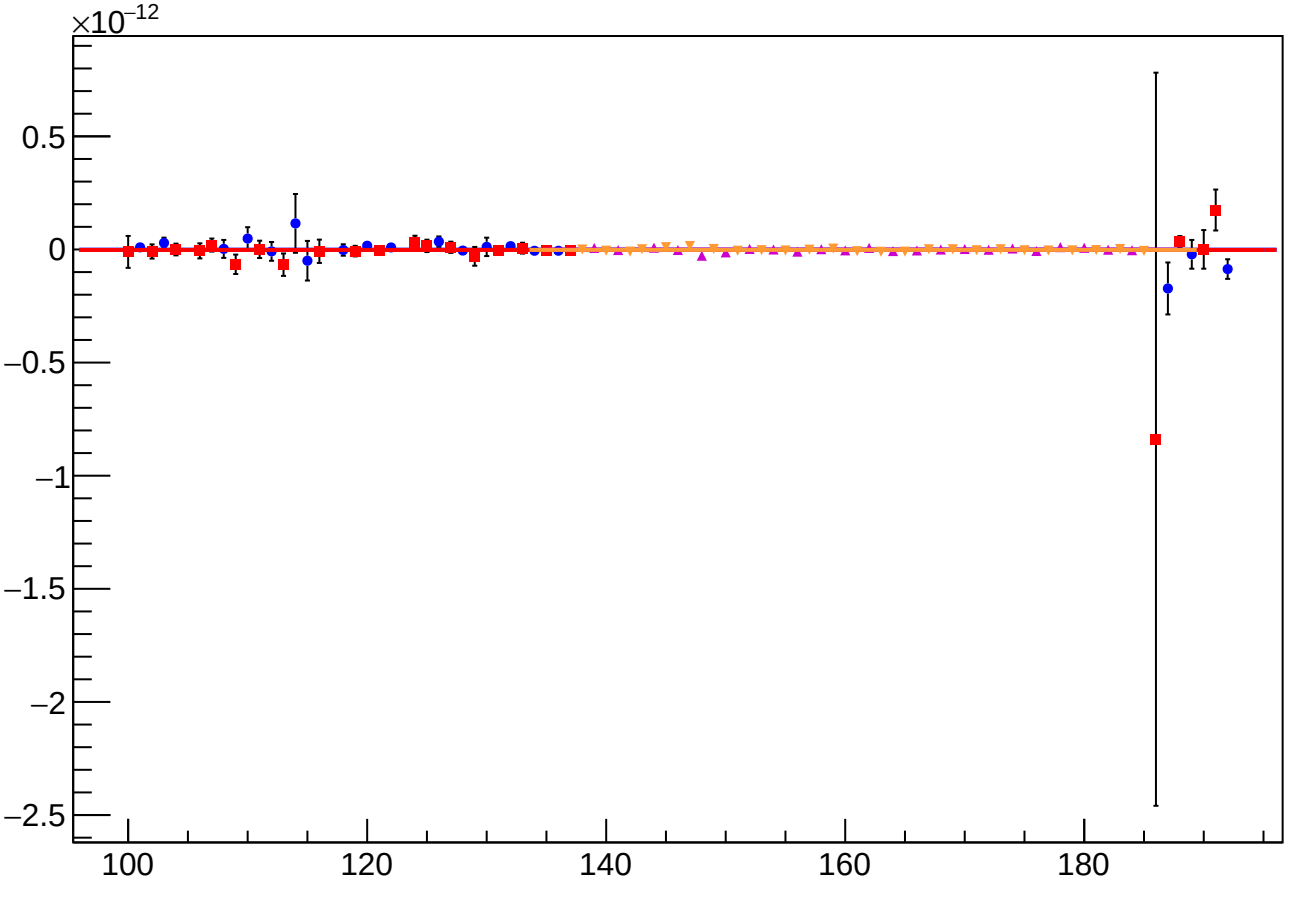
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.585+/-0.003 χ^2/NDF: 8699480.7/41

In: 15.299+/-0.002 χ^2/NDF:6839903.0/41

Out: 15.104+/-0.002 χ^2/NDF:7702091.9/47

All: 15.198+/-0.002 χ^2/NDF: 14545656.9/89



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: 13.1/22

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

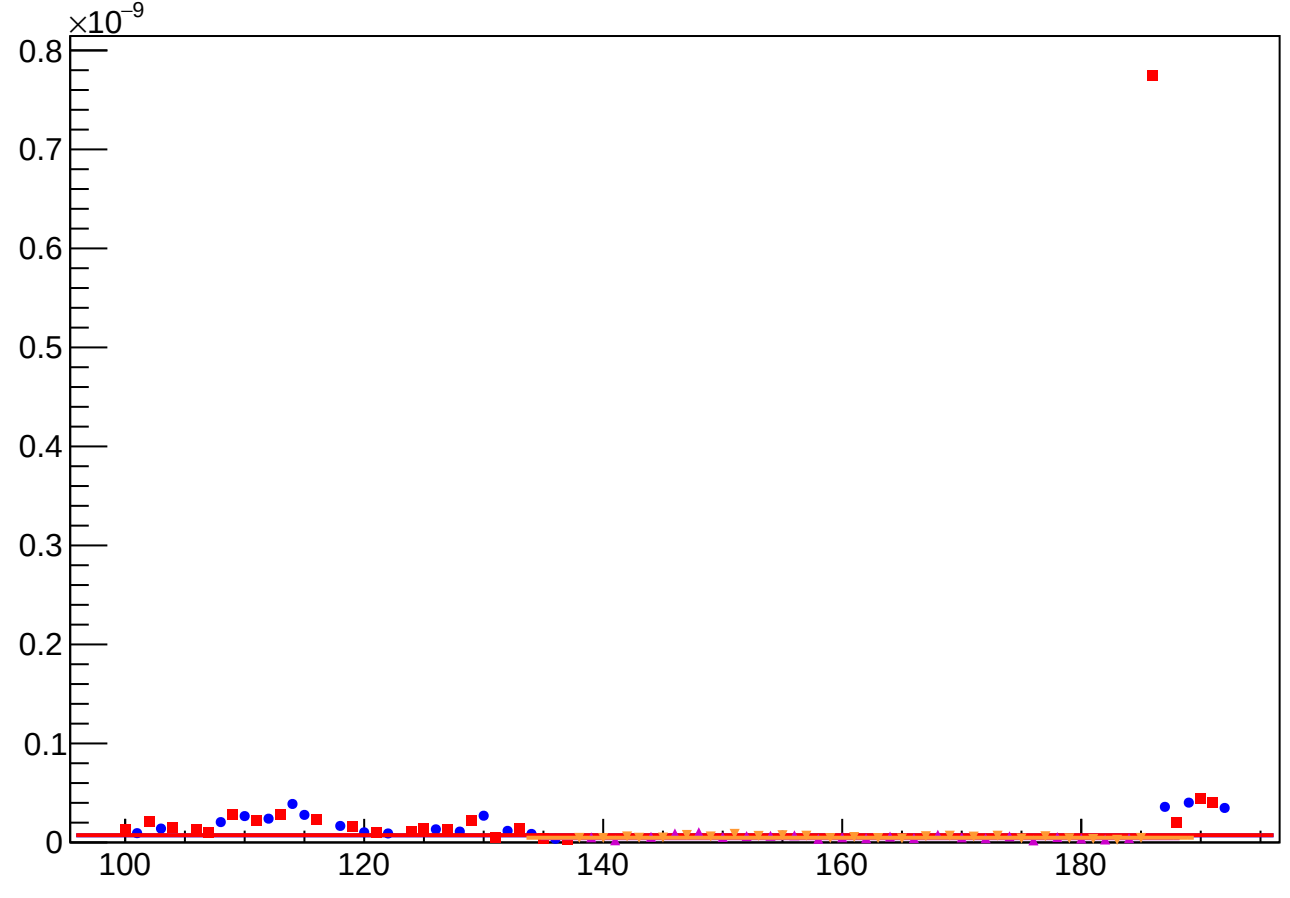
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 28.7/41

In: -0.000+/-0.000 χ^2/NDF:37.0/41

Out: -0.000+/-0.000 χ^2/NDF:28.2/47

All: -0.000+/-0.000 χ^2/NDF: 65.7/89



Right In: 0.000+/-0.000 χ^2/NDF: 5011723.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5860451.6/22

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

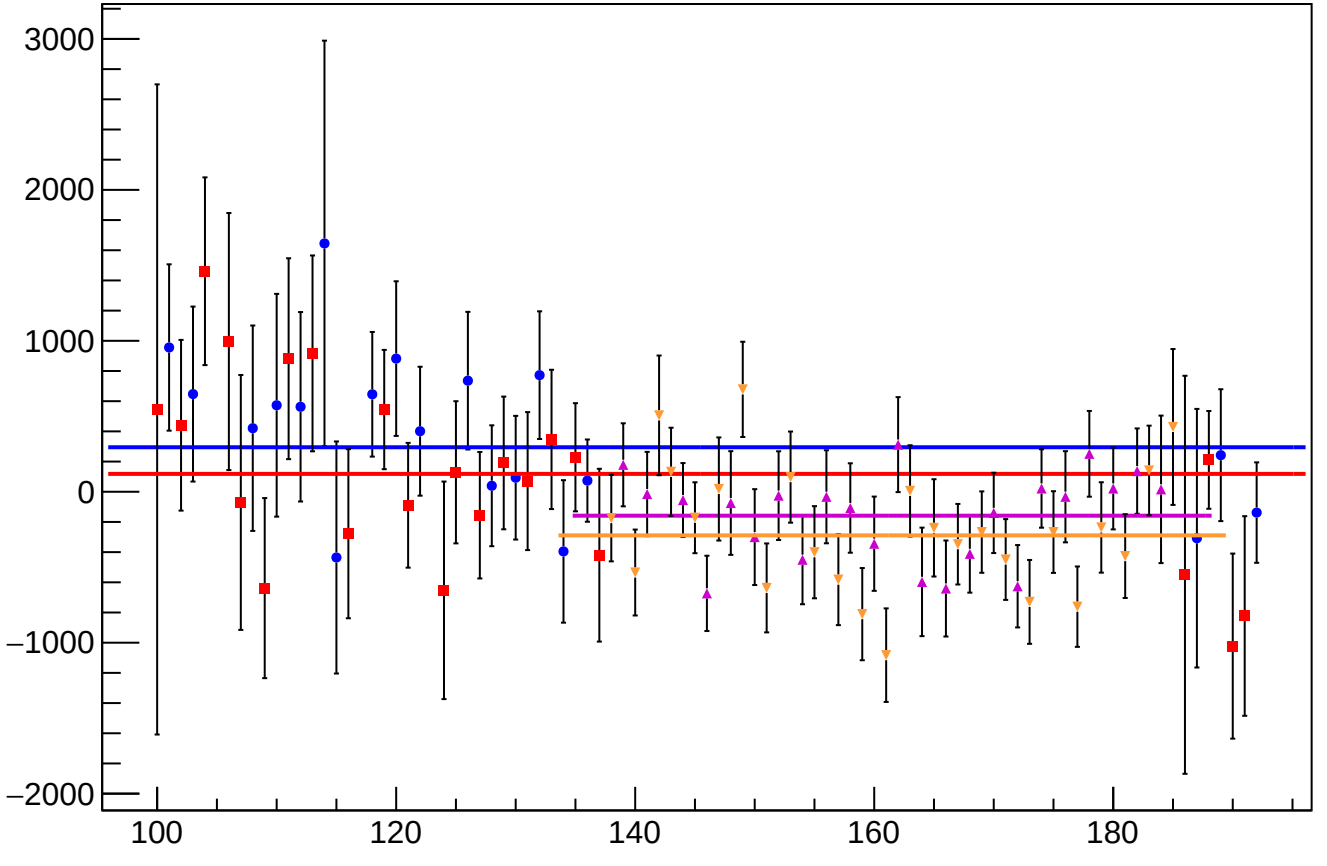
Right: 0.000+/-0.000 χ^2/NDF: 10874215.9/41

In: 0.000+/-0.000 χ^2/NDF:9588750.7/41

Out: 0.000+/-0.000 χ^2/NDF:8743225.7/47

All: 0.000+/-0.000 χ^2/NDF: 18459407.8/89

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: 118.402+/-108.924 χ^2/NDF: 21.2/22

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

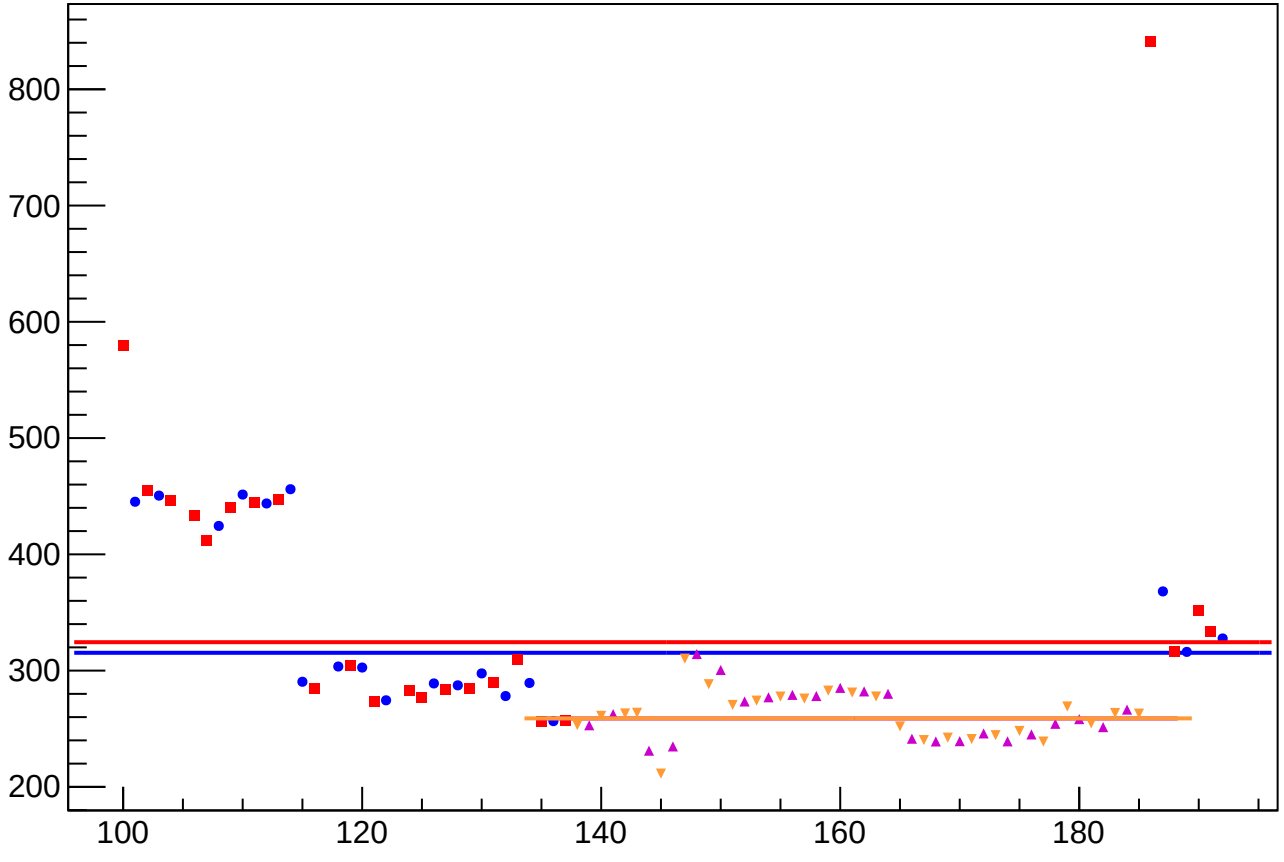
Right: 207.699+/-76.542 χ^2/NDF: 36.5/41

In: -49.093+/-52.871 χ^2/NDF:50.0/41

Out: -196.440+/-51.902 χ^2/NDF:74.4/47

All: -124.129+/-37.038 χ^2/NDF: 128.4/89

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: 324.443+/-0.077 χ^2/NDF: 1013220.8/22

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

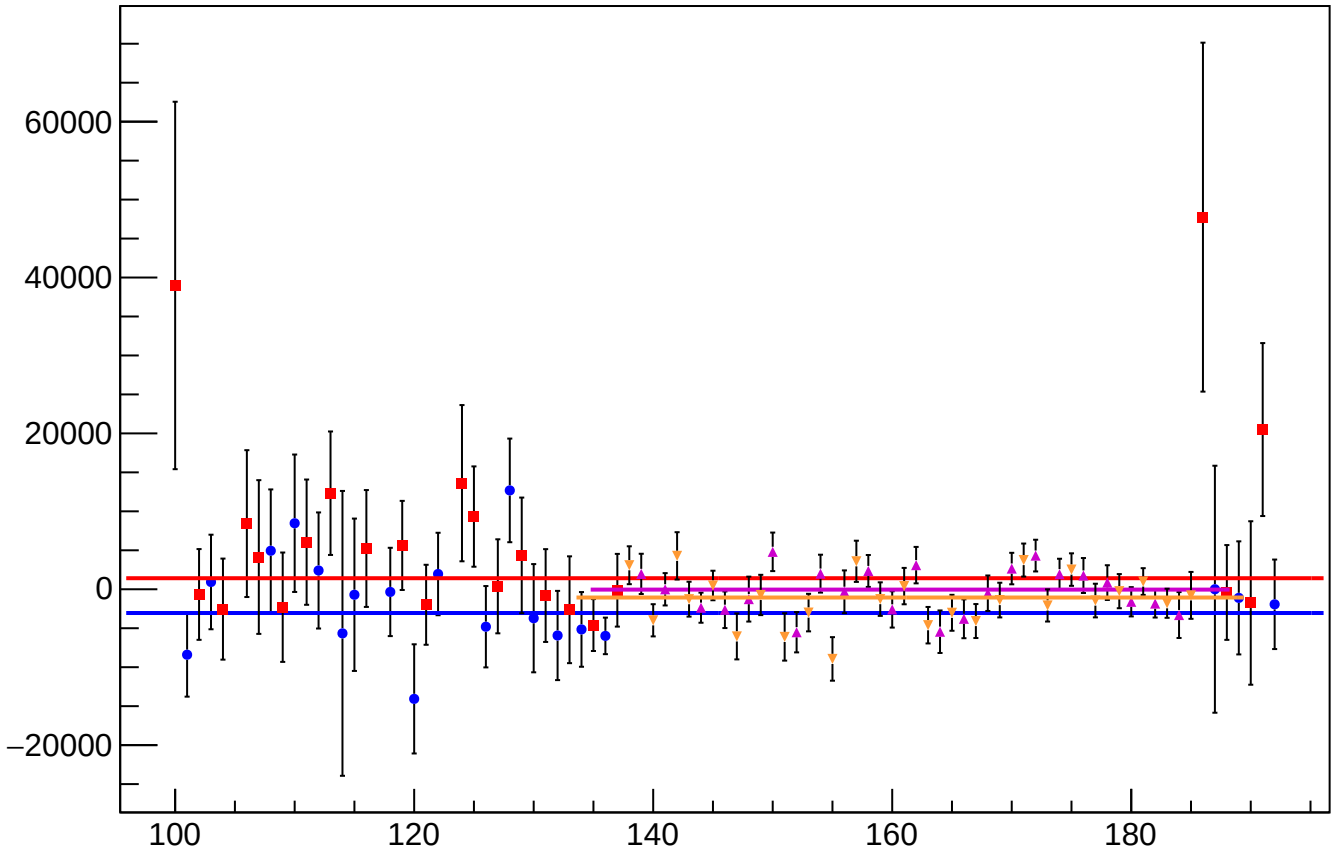
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 319.829+/-0.054 χ^2/NDF: 1633850.4/41

In: 272.485+/-0.037 χ^2/NDF:1276686.4/41

Out: 273.791+/-0.037 χ^2/NDF:1821489.1/47

All: 273.150+/-0.026 χ^2/NDF: 3098796.3/89



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: 1418.033+/-1378.463 χ^2/NDF: 21.9/22

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

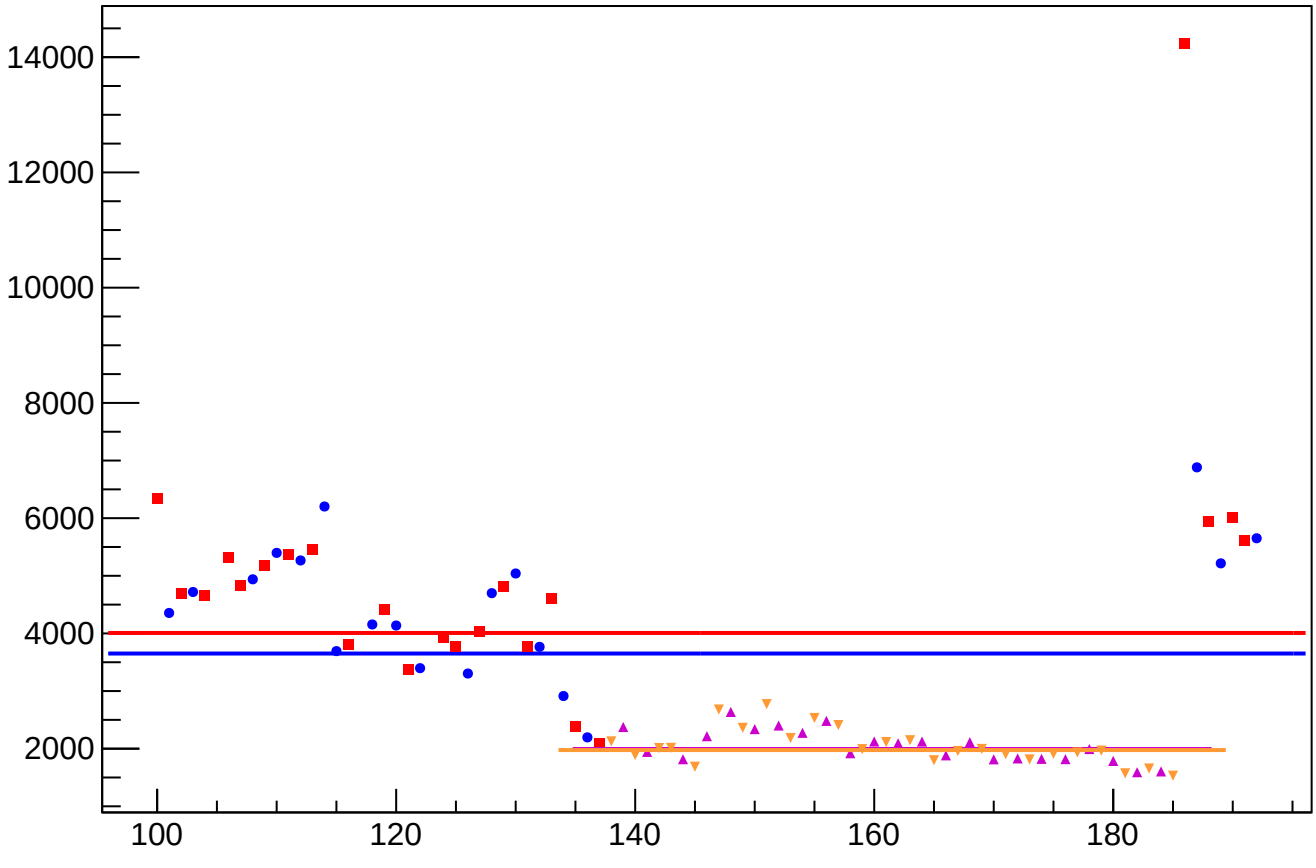
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -958.541+/-942.729 χ^2/NDF: 43.7/41

In: -396.095+/-442.270 χ^2/NDF:55.2/41

Out: -816.180+/-431.774 χ^2/NDF:66.3/47

All: -611.181+/-308.954 χ^2/NDF: 121.9/89



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: 4008.013+/-0.975 χ^2/NDF: 1936443.9/22

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

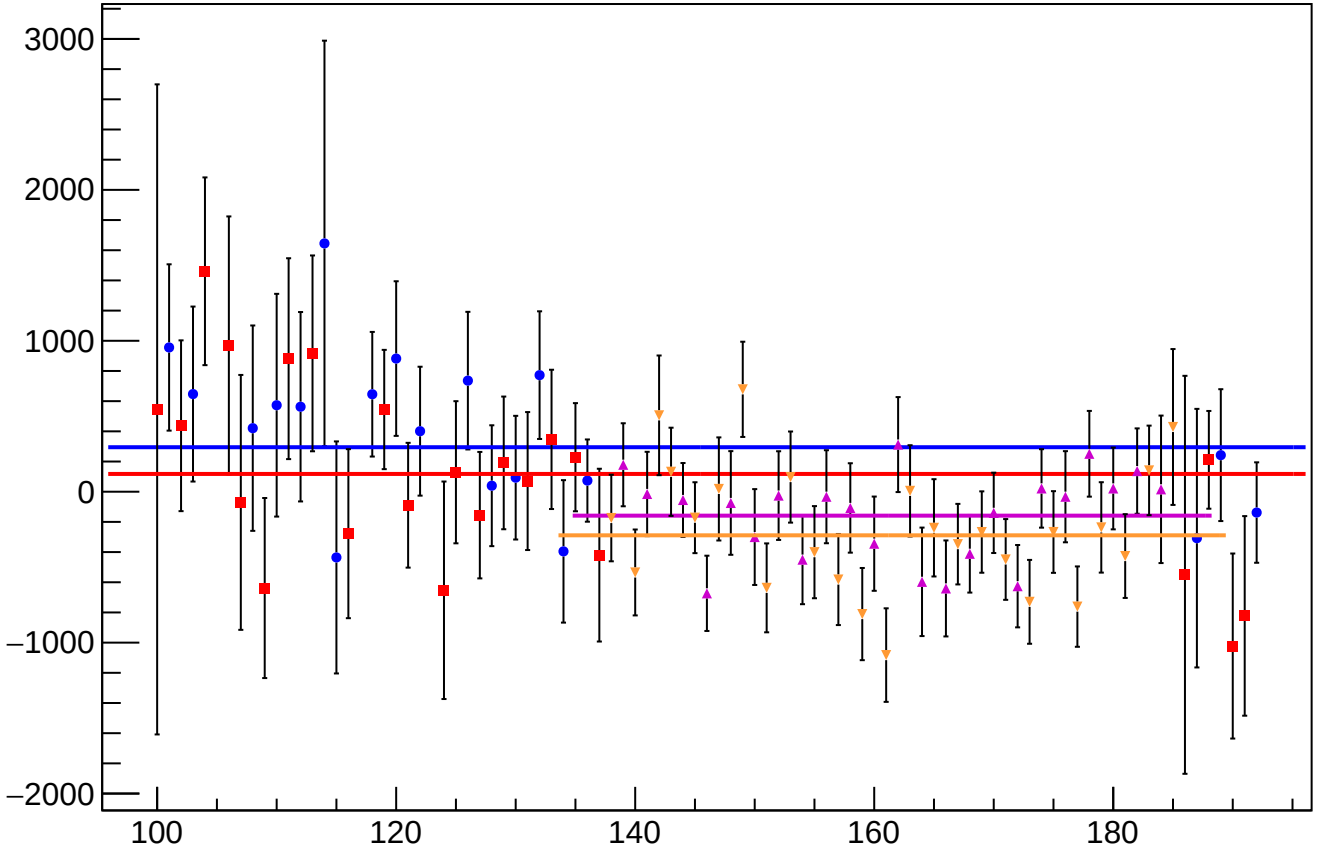
Right: 3818.072+/-0.667 χ^2/NDF: 3775243.3/41

In: 2188.810+/-0.313 χ^2/NDF:5268953.7/41

Out: 2175.335+/-0.305 χ^2/NDF:6619526.2/47

All: 2181.911+/-0.218 χ^2/NDF: 11889430.4/8

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: 117.728+/-108.932 χ^2/NDF: 21.1/22

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

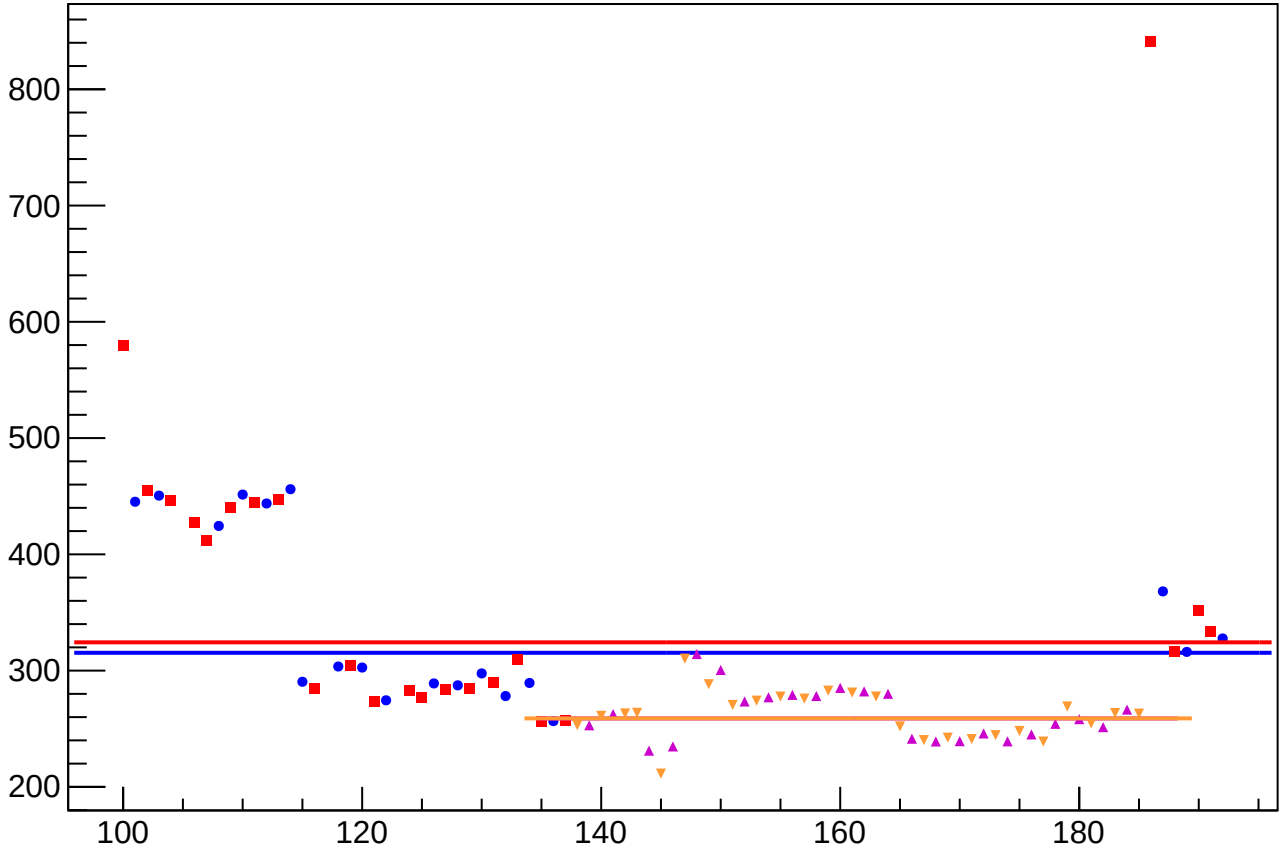
Right: 207.363+/-76.545 χ^2/NDF: 36.5/41

In: -49.107+/-52.871 χ^2/NDF:50.0/41

Out: -196.608+/-51.903 χ^2/NDF:74.3/47

All: -124.219+/-37.038 χ^2/NDF: 128.3/89

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: 324.322+/-0.077 χ^2/NDF: 1009245.5/22

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

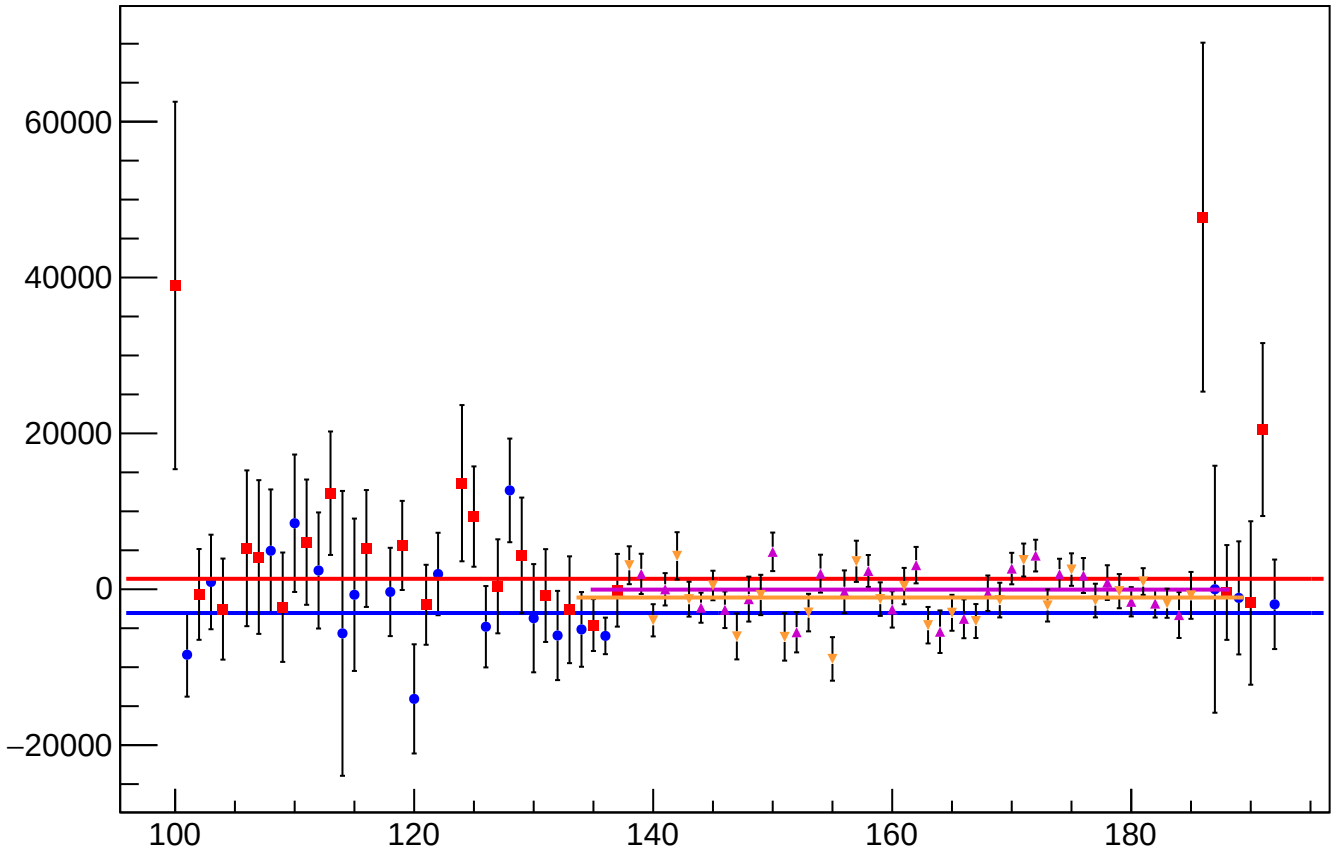
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 319.769+/-0.054 χ^2/NDF: 1629689.2/41

In: 272.485+/-0.037 χ^2/NDF:1276688.0/41

Out: 273.761+/-0.037 χ^2/NDF:1815384.5/47

All: 273.135+/-0.026 χ^2/NDF: 3092665.8/89



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: 1341.385+/-1380.152 χ^2/NDF: 21.5/22

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

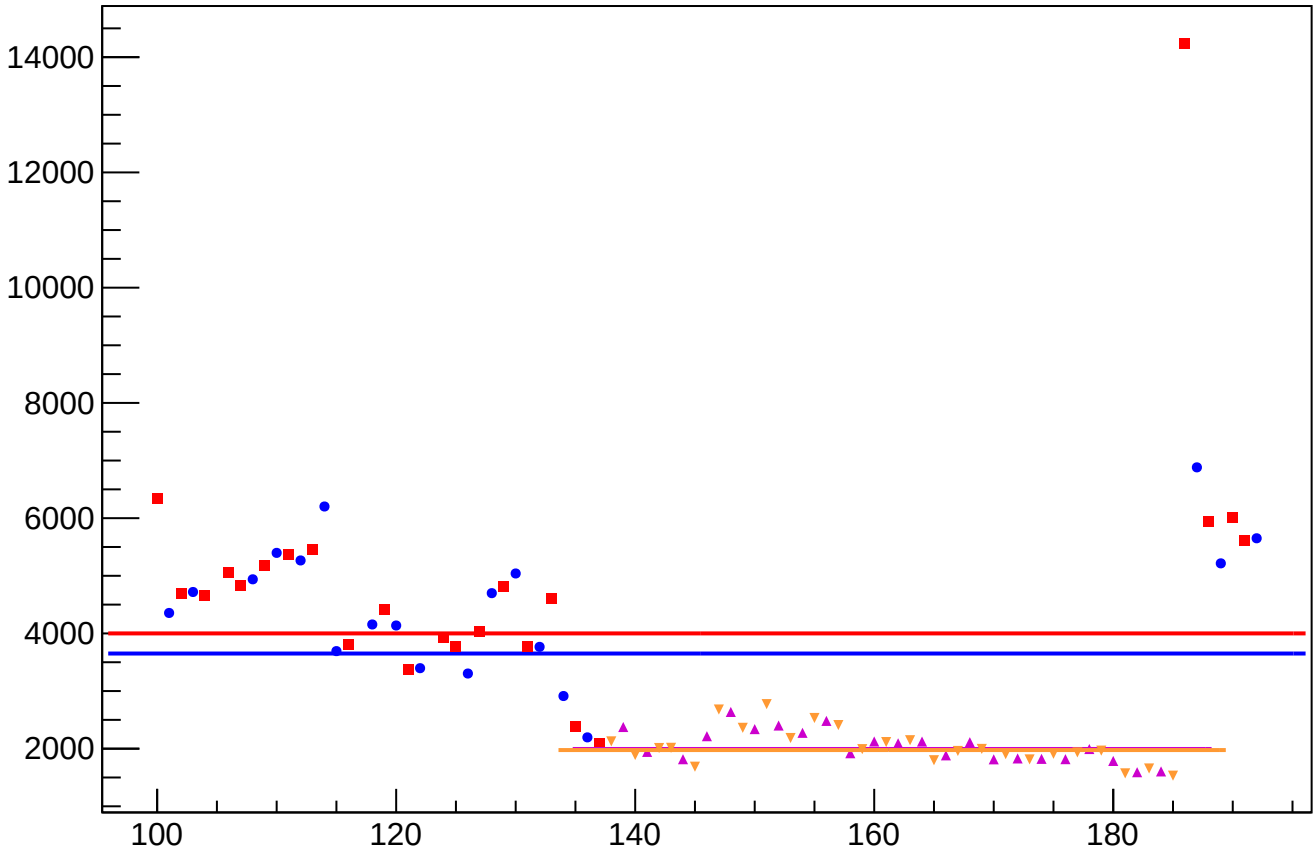
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -997.028+/-943.269 χ^2/NDF: 43.1/41

In: -396.083+/-442.270 χ^2/NDF:55.2/41

Out: -824.223+/-431.825 χ^2/NDF:65.7/47

All: -615.268+/-308.973 χ^2/NDF: 121.4/89



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: 4000.309+/-0.976 χ^2/NDF: 1920675.6/22

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

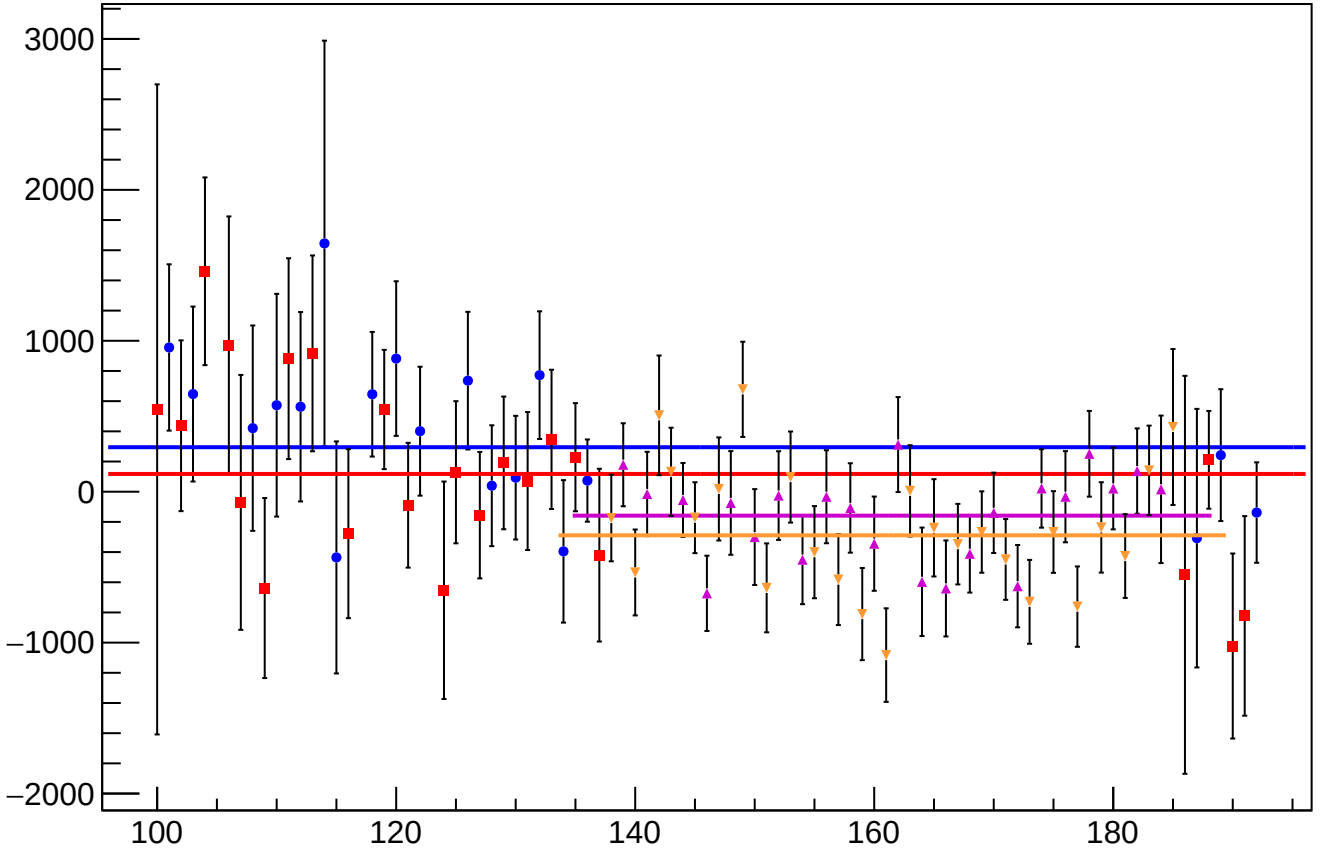
Right: 3814.259+/-0.667 χ^2/NDF: 3756351.4/41

In: 2188.810+/-0.313 χ^2/NDF:5268974.5/41

Out: 2174.141+/-0.305 χ^2/NDF:6565510.5/47

All: 2181.300+/-0.218 χ^2/NDF: 11835611.4/8

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: 117.728+/-108.932 χ^2/NDF: 21.1/22

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

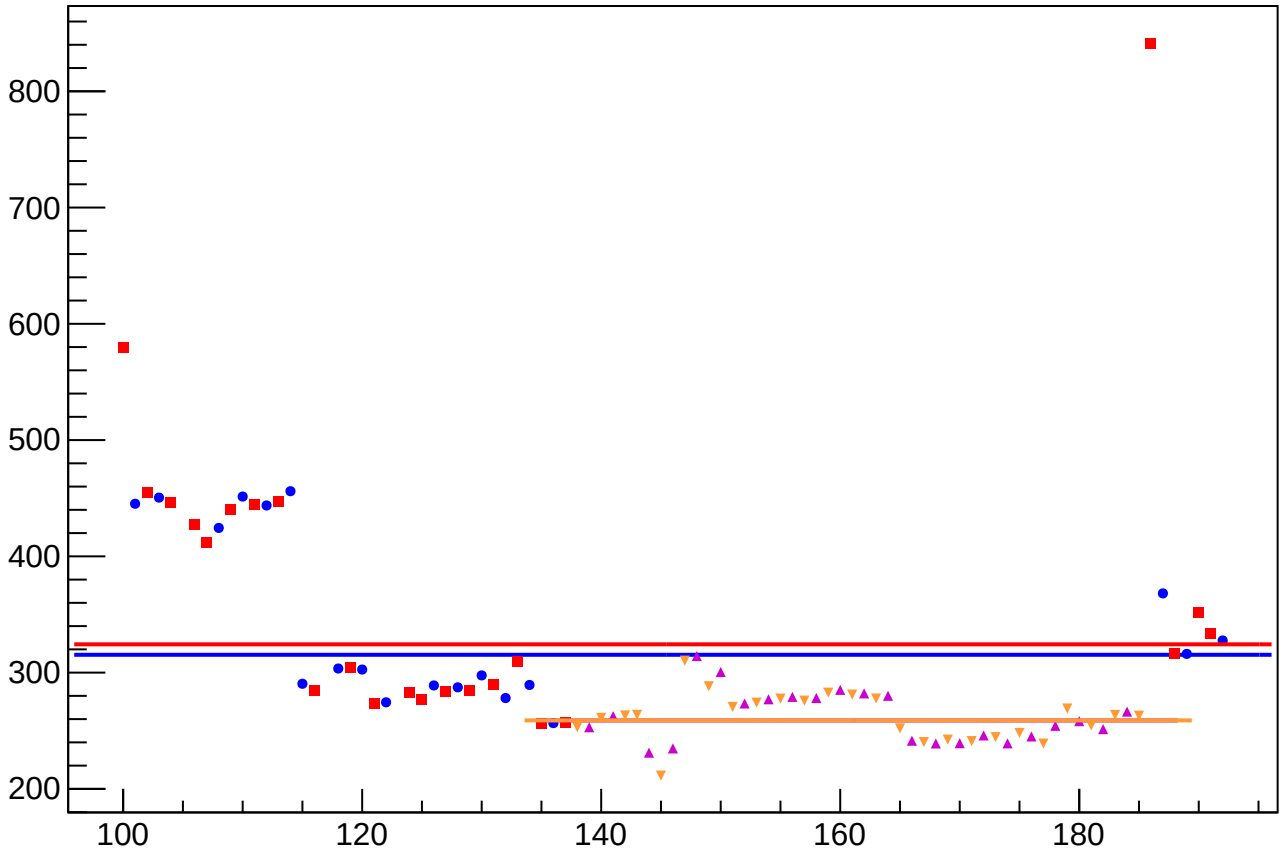
Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

Right: 207.363+/-76.545 χ^2/NDF: 36.5/41

In: -49.107+/-52.871 χ^2/NDF:50.0/41

Out: -196.608+/-51.903 χ^2/NDF:74.3/47

All: -124.219+/-37.038 χ^2/NDF: 128.3/89



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: 324.322+/-0.077 χ^2/NDF: 1009245.5/22

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

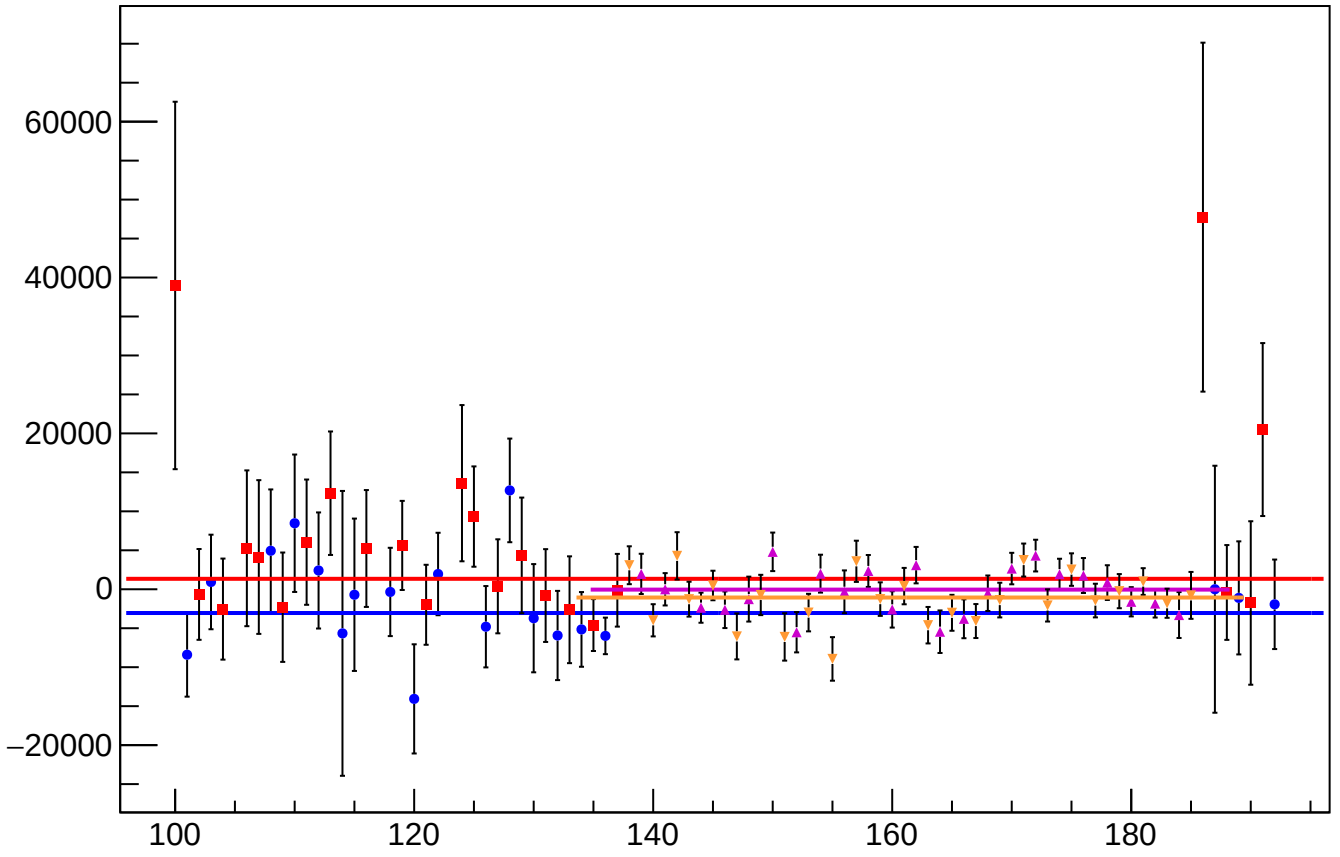
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 319.769+/-0.054 χ^2/NDF: 1629689.2/41

In: 272.485+/-0.037 χ^2/NDF:1276688.0/41

Out: 273.761+/-0.037 χ^2/NDF:1815384.5/47

All: 273.135+/-0.026 χ^2/NDF: 3092665.8/89



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: 1341.385+/-1380.152 χ^2/NDF: 21.5/22

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

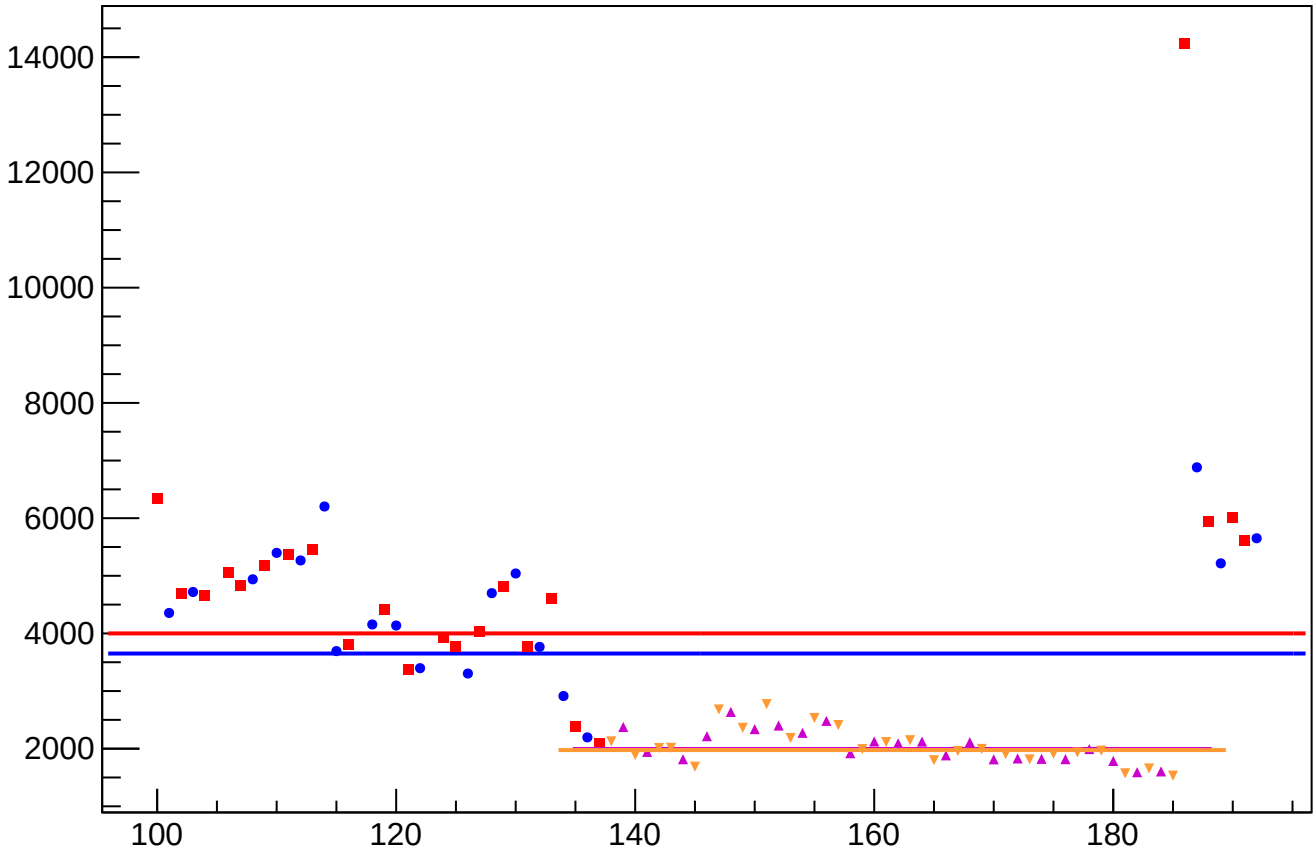
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -997.028+/-943.269 χ^2/NDF: 43.1/41

In: -396.083+/-442.270 χ^2/NDF:55.2/41

Out: -824.223+/-431.825 χ^2/NDF:65.7/47

All: -615.268+/-308.973 χ^2/NDF: 121.4/89



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: 4000.309+/-0.976 χ^2/NDF: 1920675.6/22

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

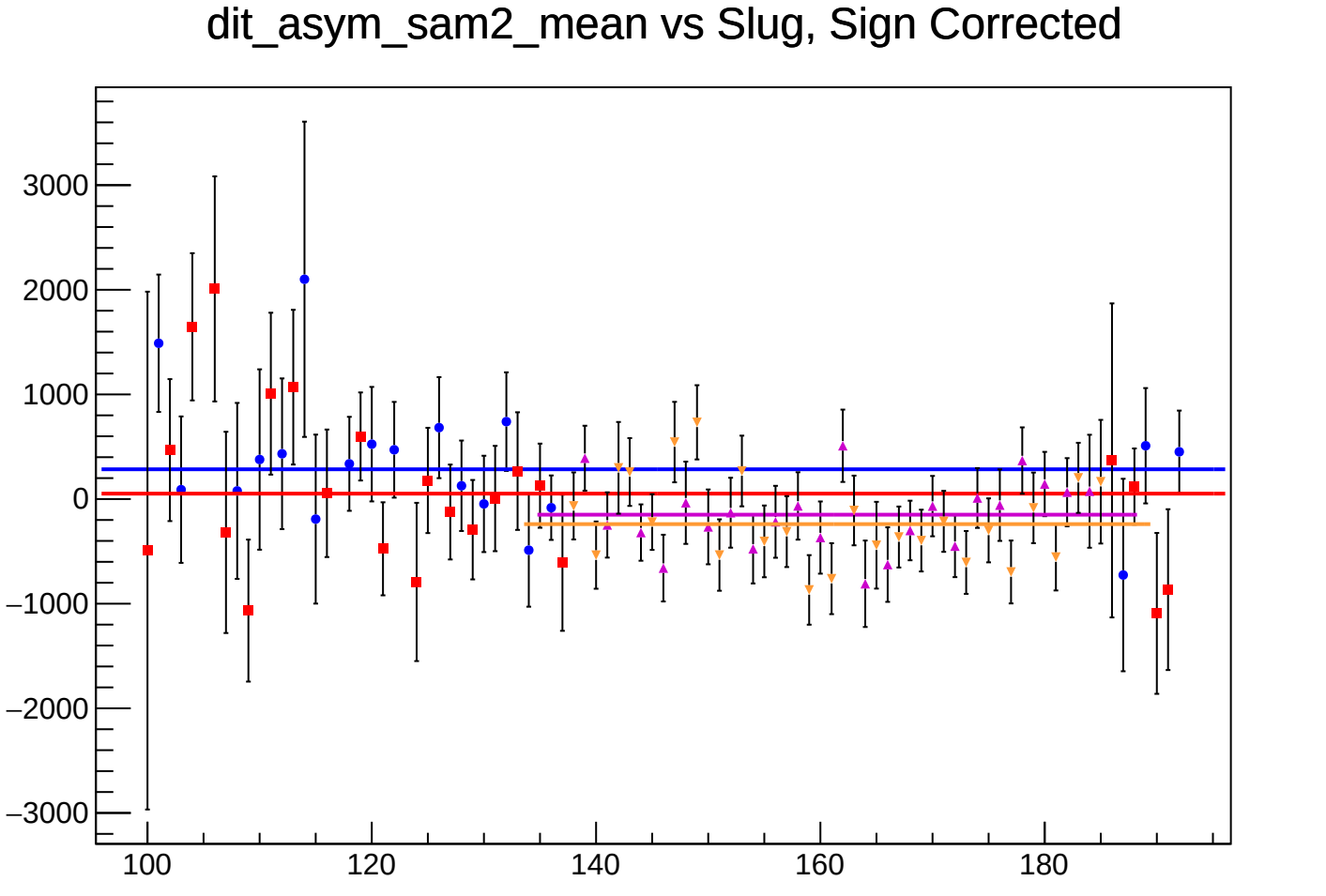
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 3814.259+/-0.667 χ^2/NDF: 3756351.4/41

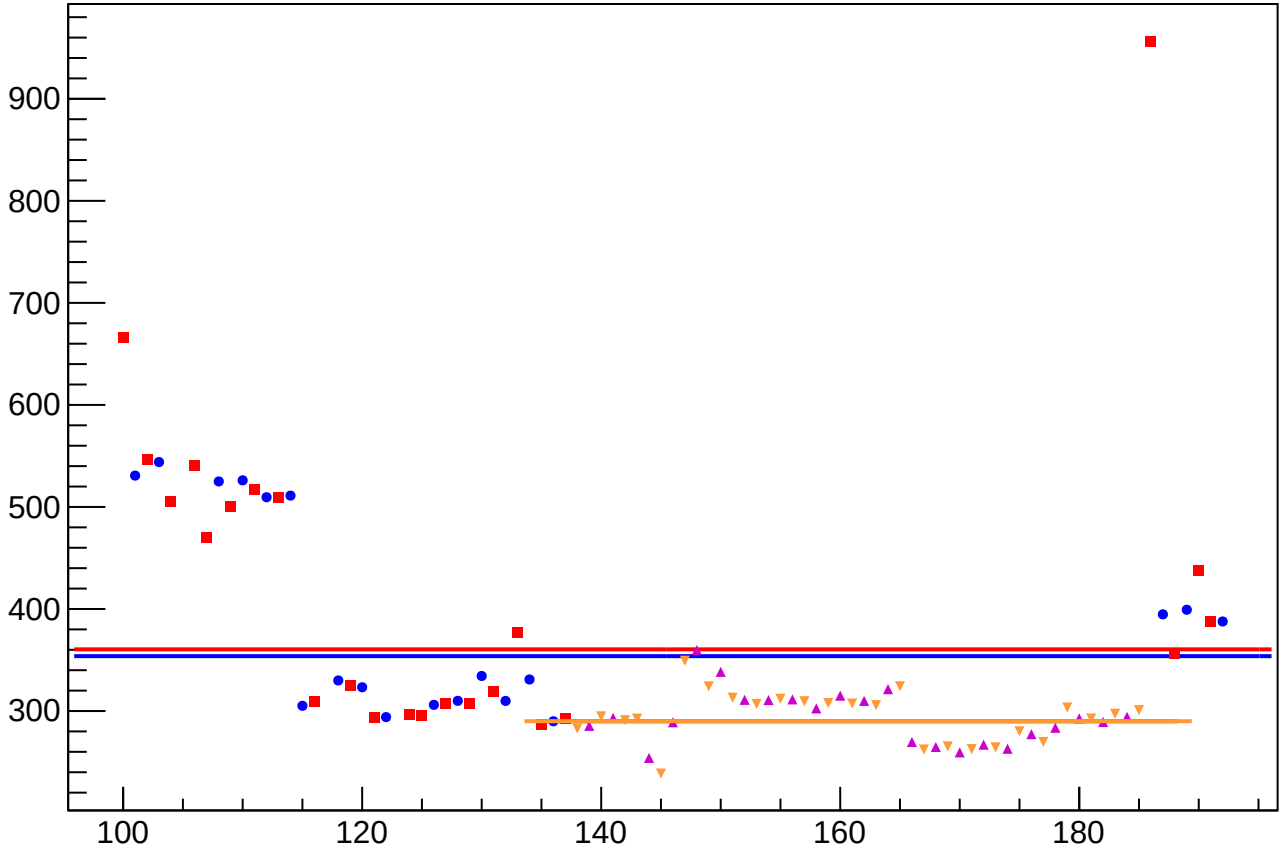
In: 2188.810+/-0.313 χ^2/NDF:5268974.5/41

Out: 2174.141+/-0.305 χ^2/NDF:6565510.5/47

All: 2181.300+/-0.218 χ^2/NDF: 11835611.4/8


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: 51.707+/-121.813 χ²/NDF: 25.2/22
Left In: -149.516+/-68.160 χ²/NDF:21.7/22
Left: -195.868+/-47.476 χ²/NDF: 56.6/47
Right: 168.505+/-85.990 χ²/NDF: 40.0/41
In: -45.495+/-59.433 χ²/NDF:44.4/41
Out: -173.192+/-58.143 χ²/NDF:63.6/47
All: -110.744+/-41.562 χ²/NDF: 110.4/89

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: 360.441+/-0.086 χ^2/NDF: 1210130.8/22

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

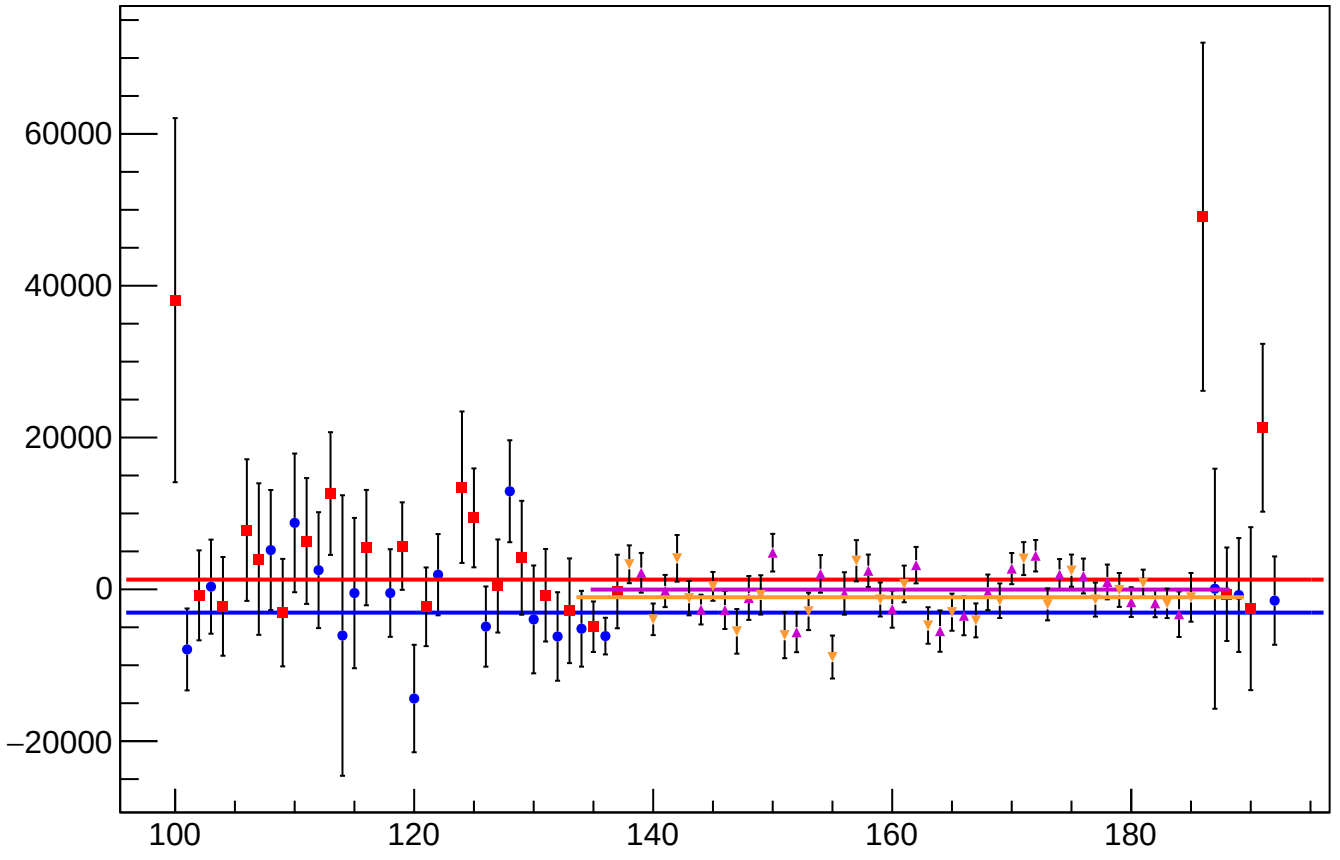
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 357.100+/-0.061 χ^2/NDF: 2020456.7/41

In: 305.241+/-0.042 χ^2/NDF:1497488.6/41

Out: 306.066+/-0.041 χ^2/NDF:2006871.8/47

All: 305.663+/-0.029 χ^2/NDF: 3504557.4/89



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: 1284.913+/-1395.089 χ^2/NDF: 22.5/22

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

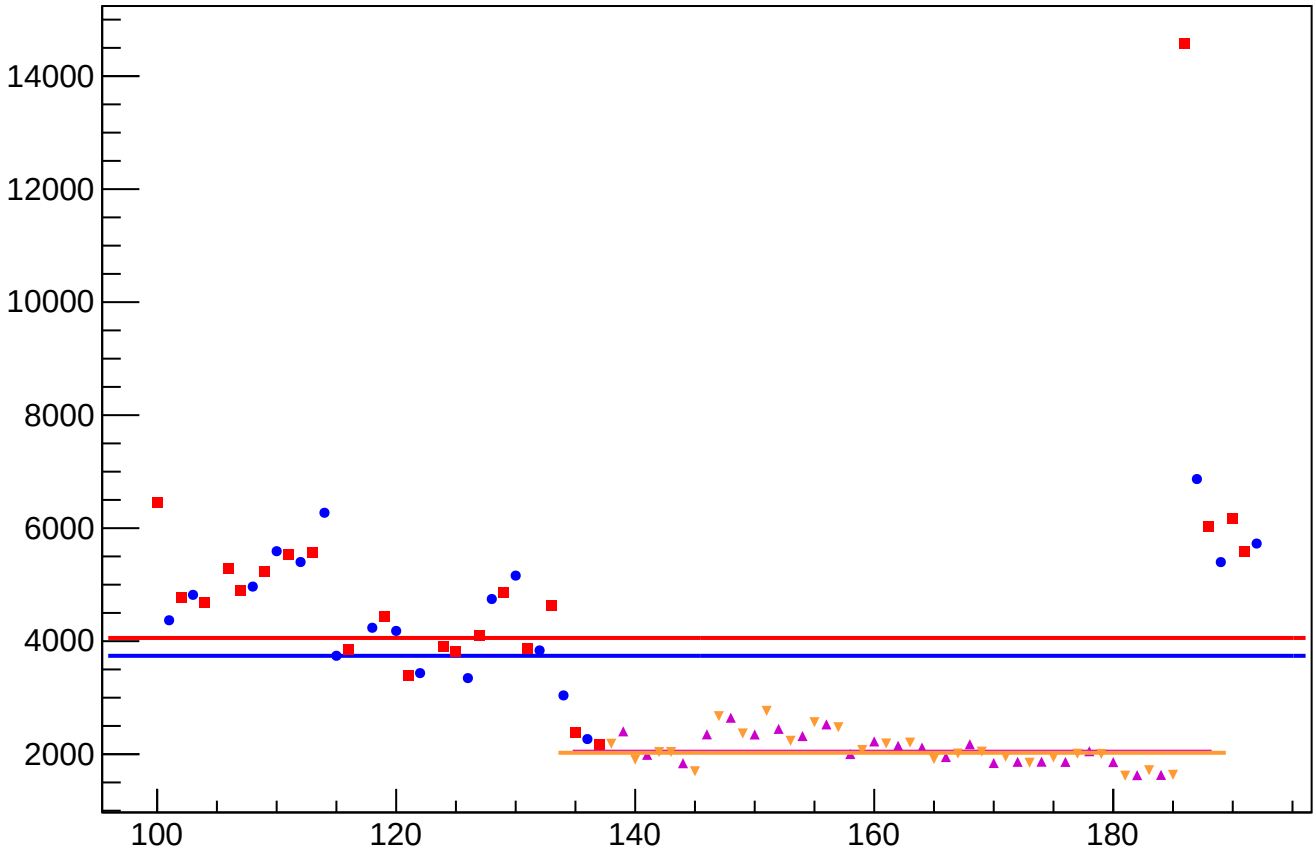
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -1009.663+/-959.123 χ^2/NDF: 43.9/41

In: -387.561+/-453.023 χ^2/NDF:55.0/41

Out: -804.177+/-441.417 χ^2/NDF:65.3/47

All: -601.274+/-316.152 χ^2/NDF: 120.8/89



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: 4057.156+/-0.986 χ^2/NDF: 1941358.4/22

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

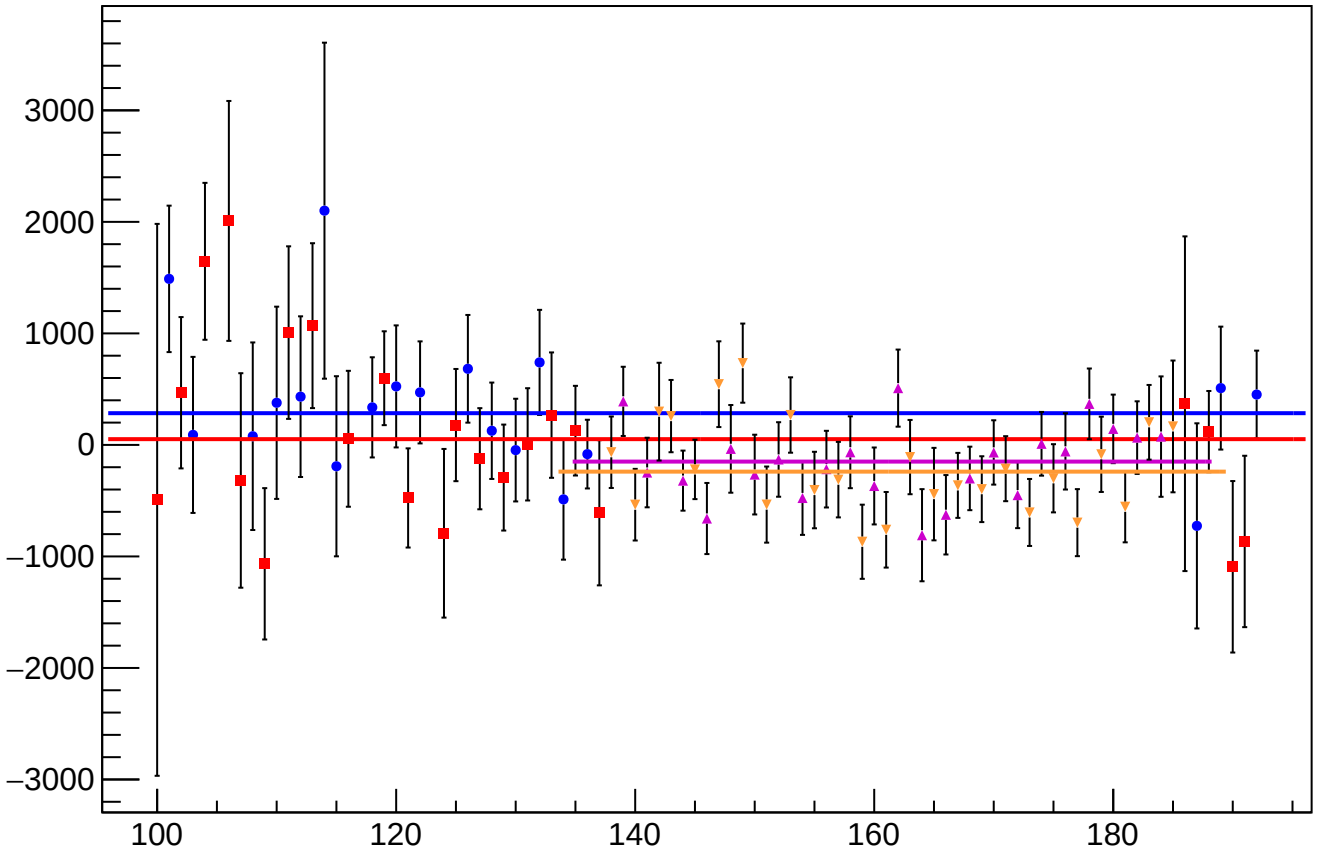
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 3890.327+/-0.678 χ^2/NDF: 3702123.9/41

In: 2244.088+/-0.320 χ^2/NDF:5202250.0/41

Out: 2228.523+/-0.312 χ^2/NDF:6460665.9/47

All: 2236.104+/-0.224 χ^2/NDF: 11664126.9/8



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: 51.709+/-121.812 χ^2/NDF: 25.2/22

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

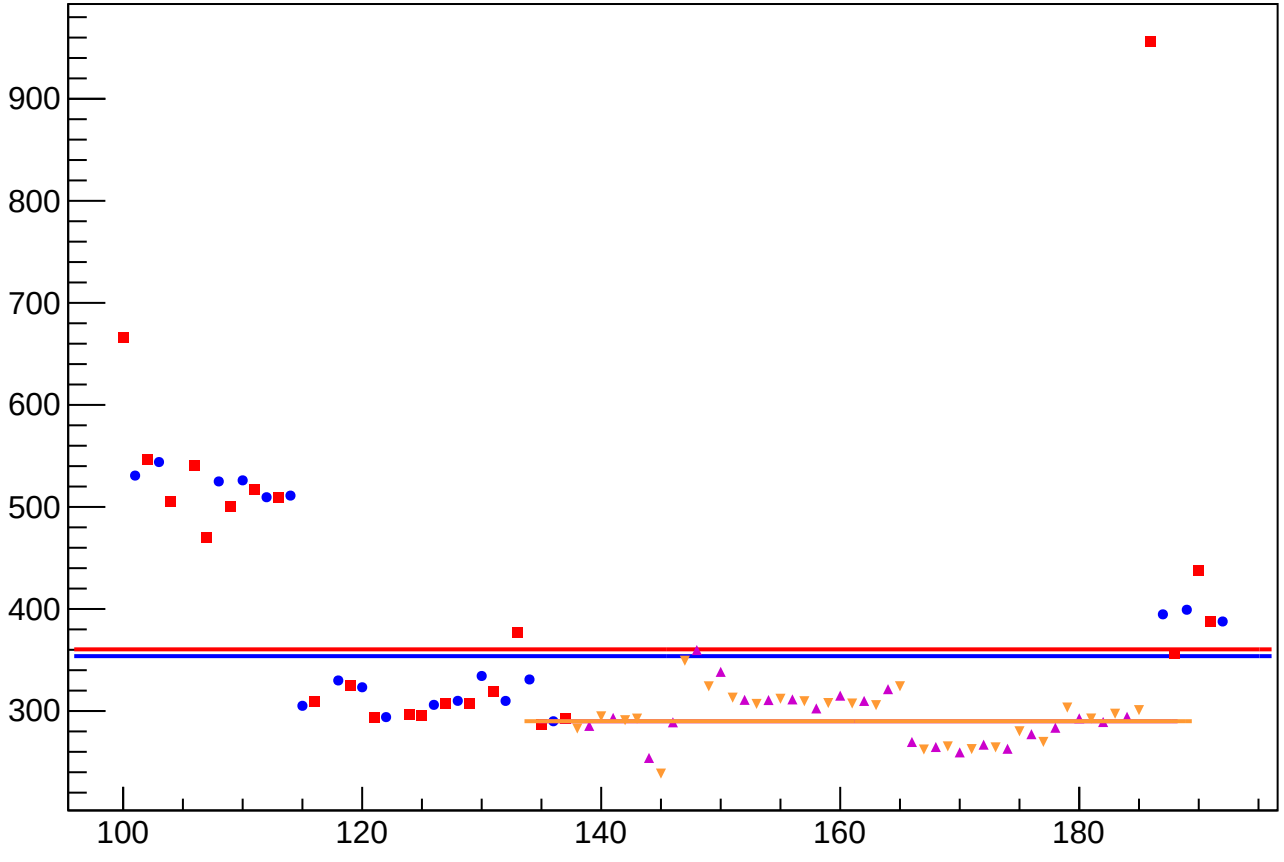
Right: 168.507+/-85.989 χ^2/NDF: 40.0/41

In: -45.494+/-59.433 χ^2/NDF:44.4/41

Out: -173.194+/-58.143 χ^2/NDF:63.6/47

All: -110.745+/-41.562 χ^2/NDF: 110.4/89

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: 360.440+/-0.086 χ^2/NDF: 1210119.1/22

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

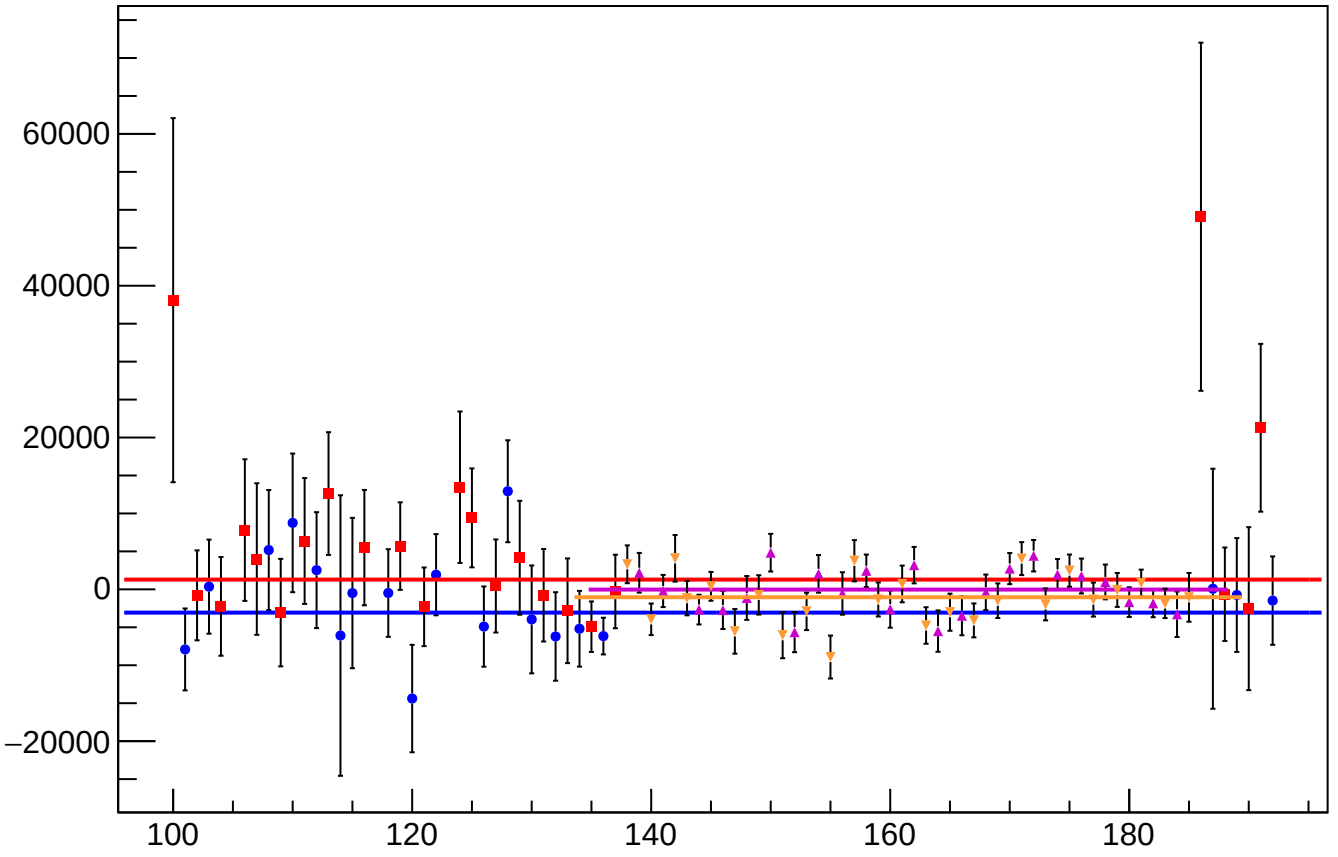
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 357.099+/-0.061 χ^2/NDF: 2020441.7/41

In: 305.241+/-0.042 χ^2/NDF:1497467.7/41

Out: 306.066+/-0.041 χ^2/NDF:2006852.7/47

All: 305.663+/-0.029 χ^2/NDF: 3504517.5/89



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: 1284.916+/-1395.087 χ^2/NDF: 22.5/22

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

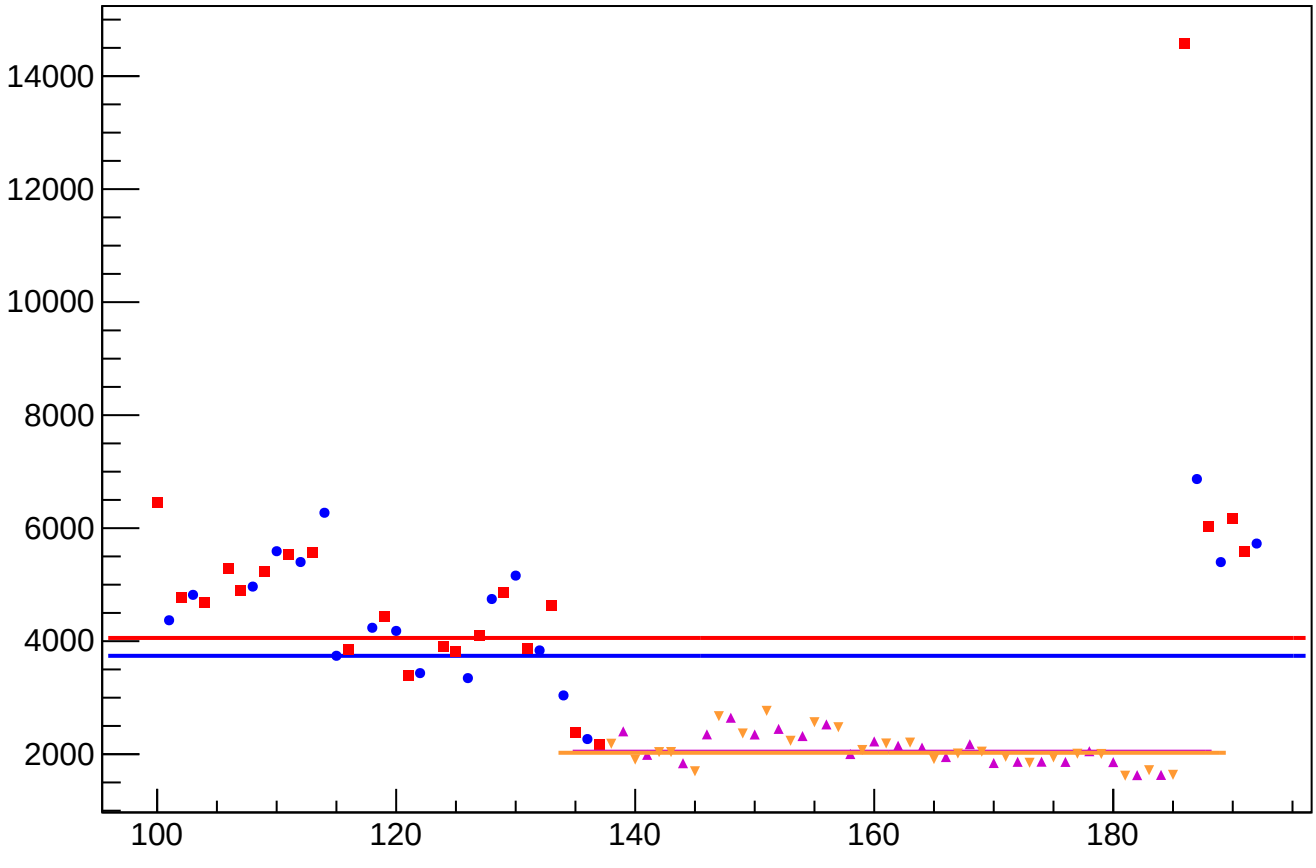
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -1009.658+/-959.121 χ^2/NDF: 43.9/41

In: -387.560+/-453.023 χ^2/NDF:55.0/41

Out: -804.176+/-441.417 χ^2/NDF:65.3/47

All: -601.273+/-316.152 χ^2/NDF: 120.8/89



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: 4057.151+/-0.986 χ^2/NDF: 1941350.0/22

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

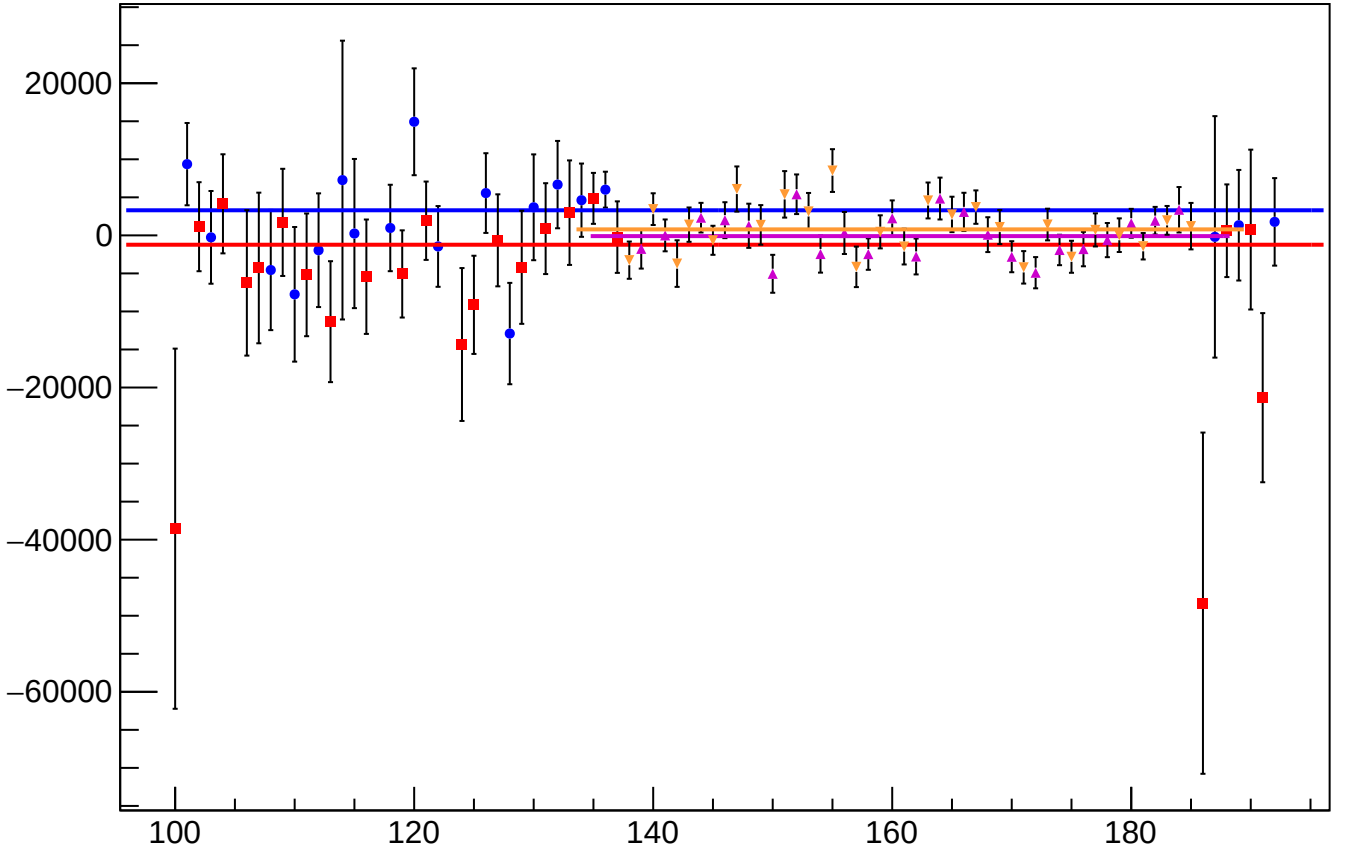
Right: 3890.323+/-0.678 χ^2/NDF: 3702102.8/41

In: 2244.087+/-0.320 χ^2/NDF:5202237.1/41

Out: 2228.524+/-0.312 χ^2/NDF:6460652.1/47

All: 2236.104+/-0.224 χ^2/NDF: 11664100.1/8

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: -1229.262+/-1384.165 χ^2/NDF: 21.9/22

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

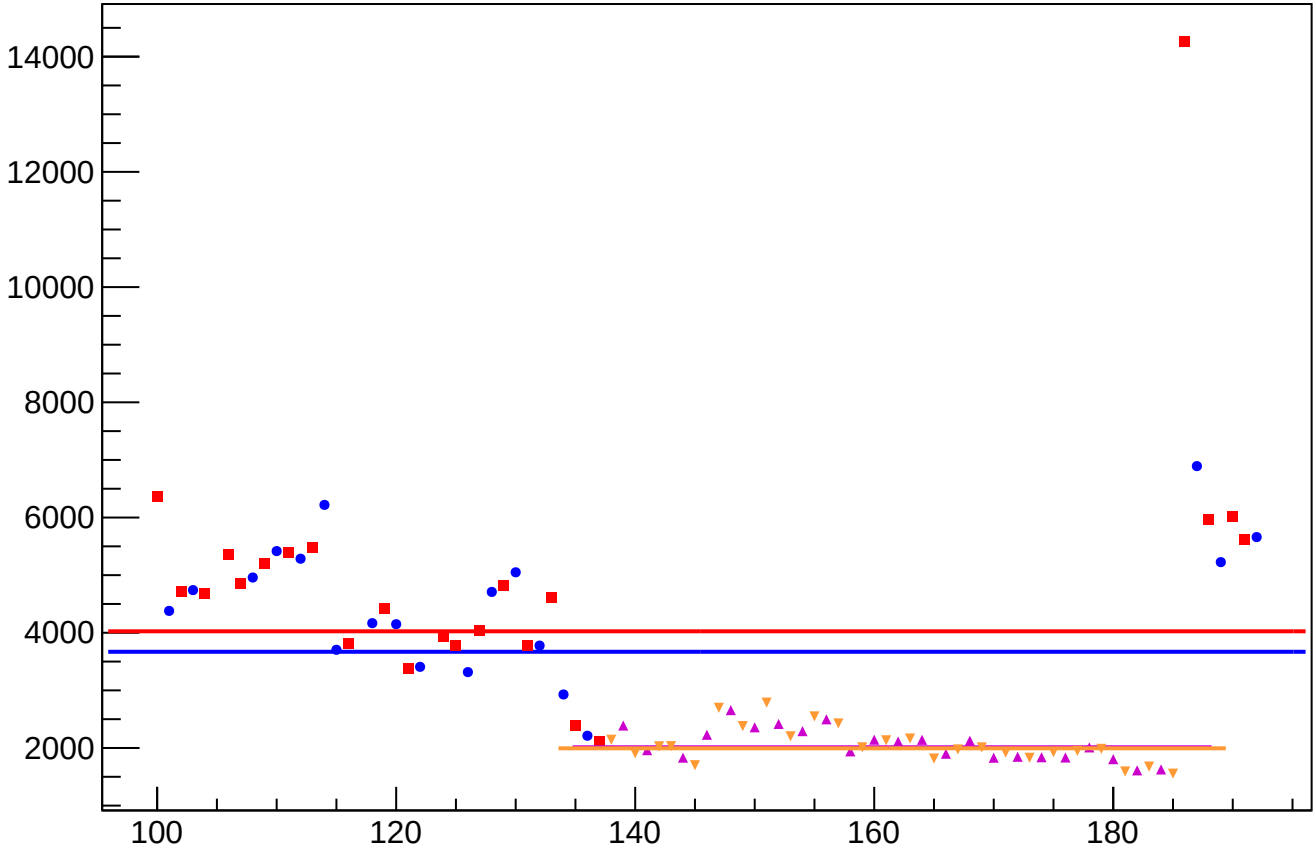
Right: 1179.937+/-946.839 χ^2/NDF: 44.1/41

In: 303.988+/-445.927 χ^2/NDF:55.4/41

Out: 588.655+/-435.436 χ^2/NDF:65.1/47

All: 449.709+/-311.543 χ^2/NDF: 120.8/89

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3670.085+/-0.918 χ^2/NDF: 1749126.8/18

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4025.447+/-0.979 χ^2/NDF: 1923588.8/22

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

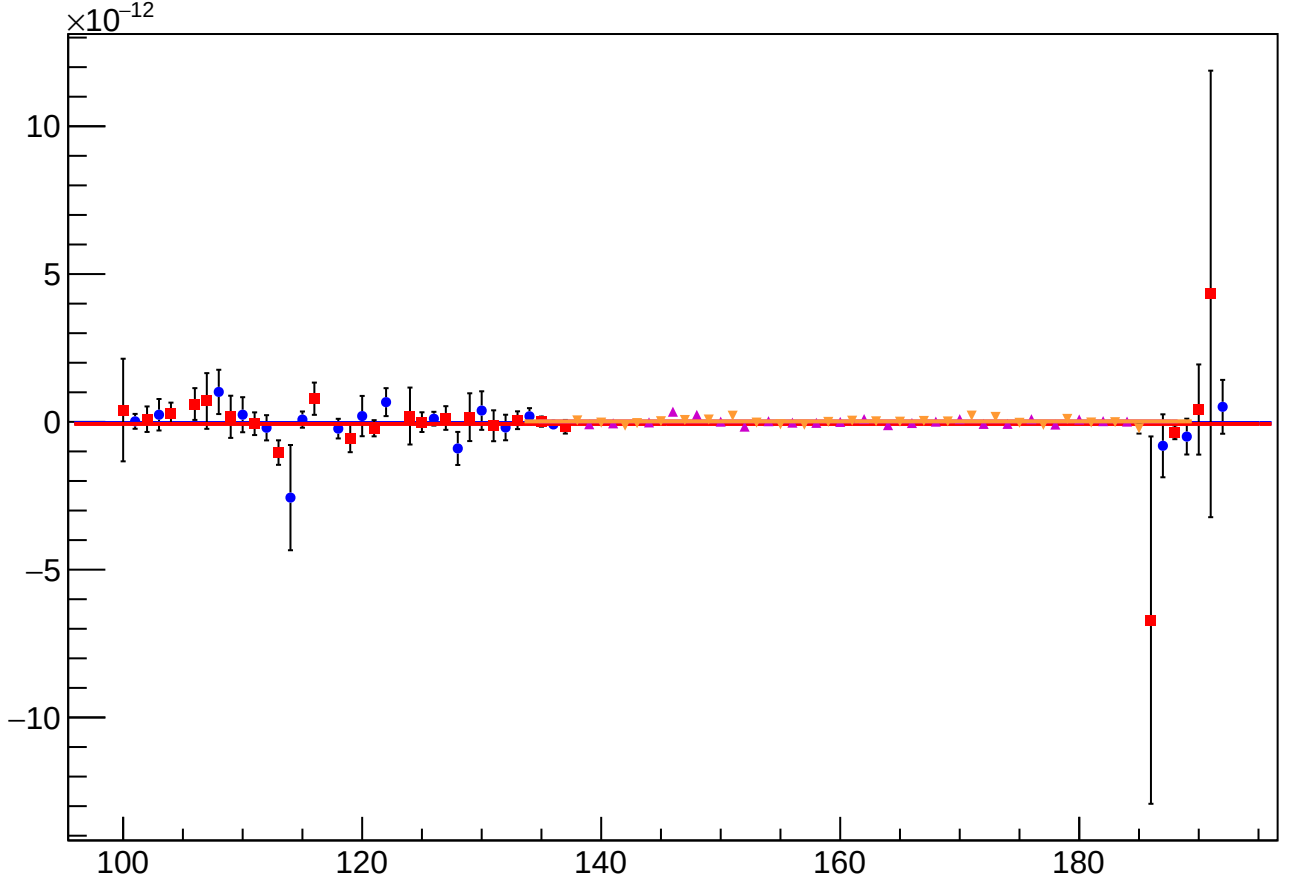
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 3836.368+/-0.670 χ^2/NDF: 3742855.8/41

In: 2208.293+/-0.315 χ^2/NDF:5212202.2/41

Out: 2195.260+/-0.308 χ^2/NDF:6550723.7/47

All: 2201.621+/-0.220 χ^2/NDF: 11763800.6/8



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: 16.8/22

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

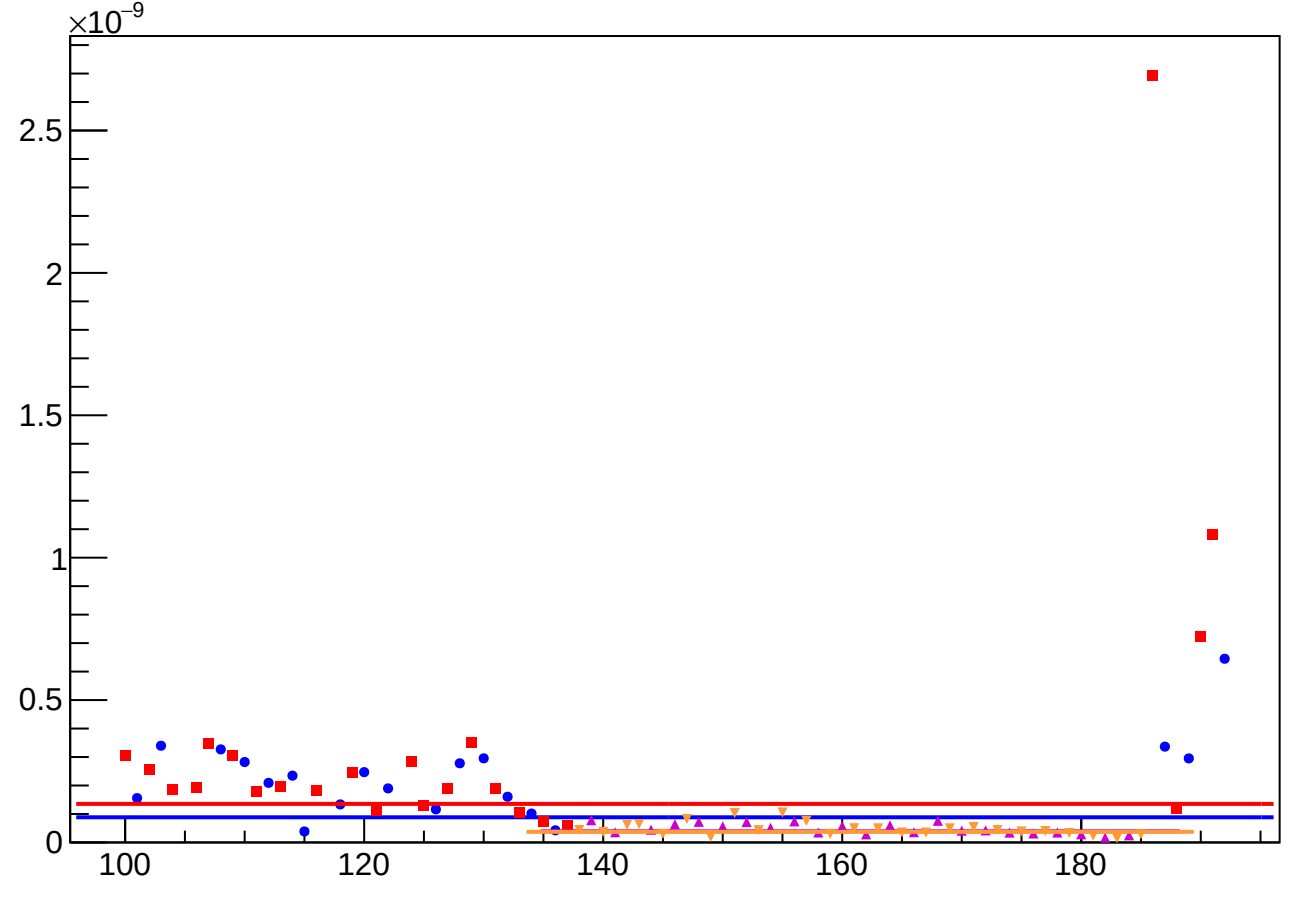
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 30.3/41

In: 0.000+/-0.000 χ^2/NDF:44.8/41

Out: 0.000+/-0.000 χ^2/NDF:39.2/47

All: 0.000+/-0.000 χ^2/NDF: 84.0/89



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: 2079030.5/22

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

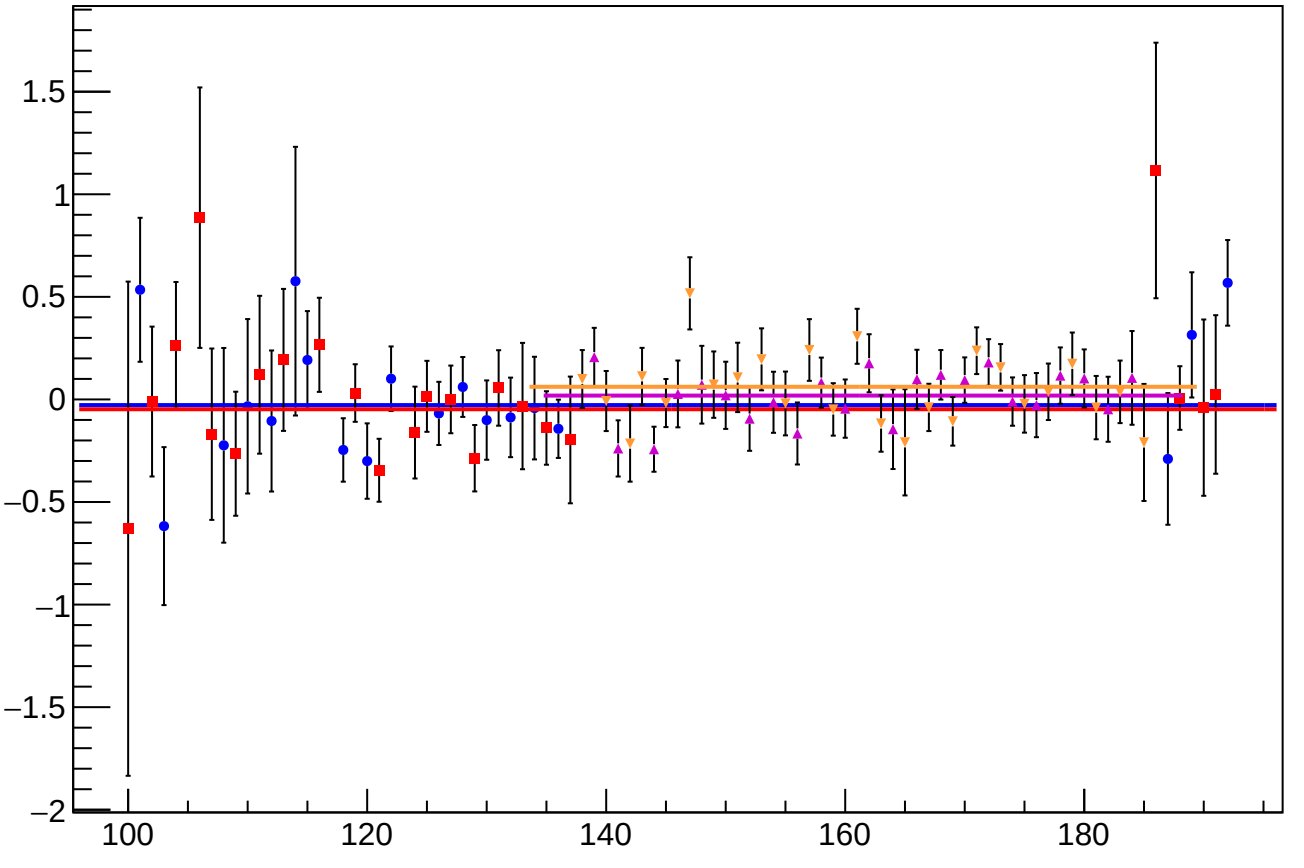
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 6330386.8/41

In: 0.000+/-0.000 χ^2/NDF:6976846.4/41

Out: 0.000+/-0.000 χ^2/NDF:7333478.0/47

All: 0.000+/-0.000 χ^2/NDF: 14323281.4/89



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: -0.048+/-0.048 χ^2/NDF: 17.8/22

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

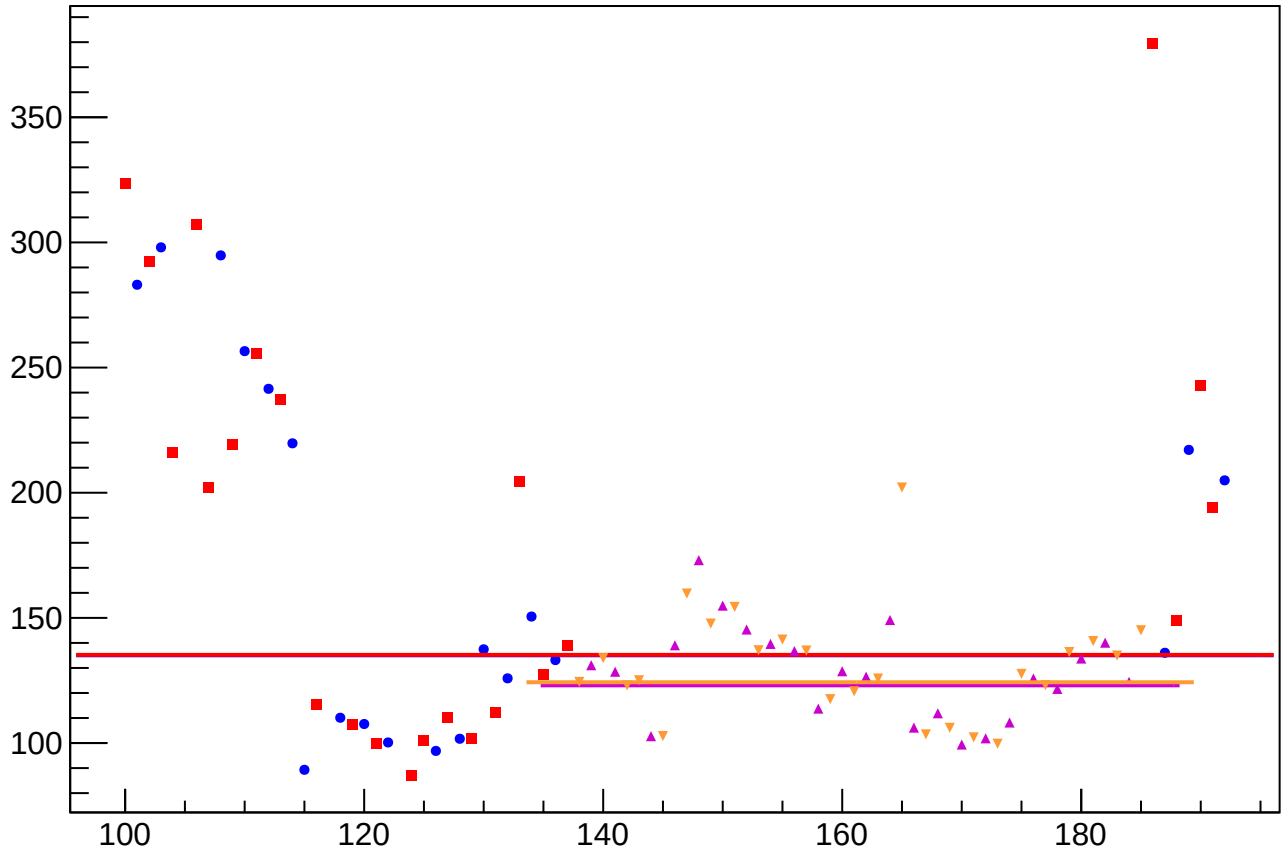
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.038+/-0.034 χ^2/NDF: 41.0/41

In: 0.007+/-0.025 χ^2/NDF:44.1/41

Out: 0.033+/-0.025 χ^2/NDF:49.0/47

All: 0.020+/-0.018 χ^2/NDF: 93.7/89



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: 135.225+/-0.034 χ^2/NDF: 2409169.7/22

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

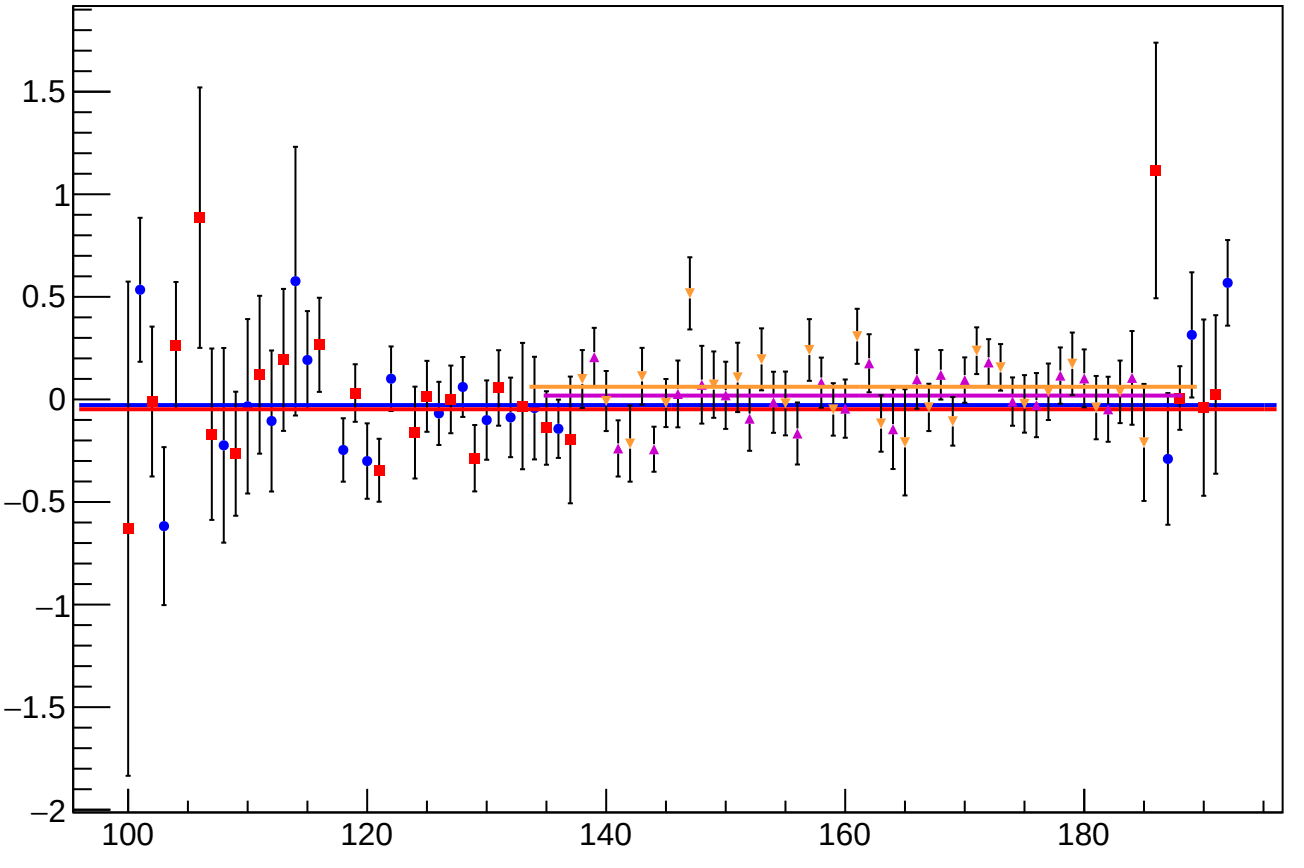
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 135.148+/-0.024 χ^2/NDF: 4616527.8/41

In: 126.229+/-0.018 χ^2/NDF:3014579.8/41

Out: 127.156+/-0.017 χ^2/NDF:3326305.4/47

All: 126.703+/-0.012 χ^2/NDF: 6342271.6/89



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: -0.048+/-0.048 χ^2/NDF: 17.8/22

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

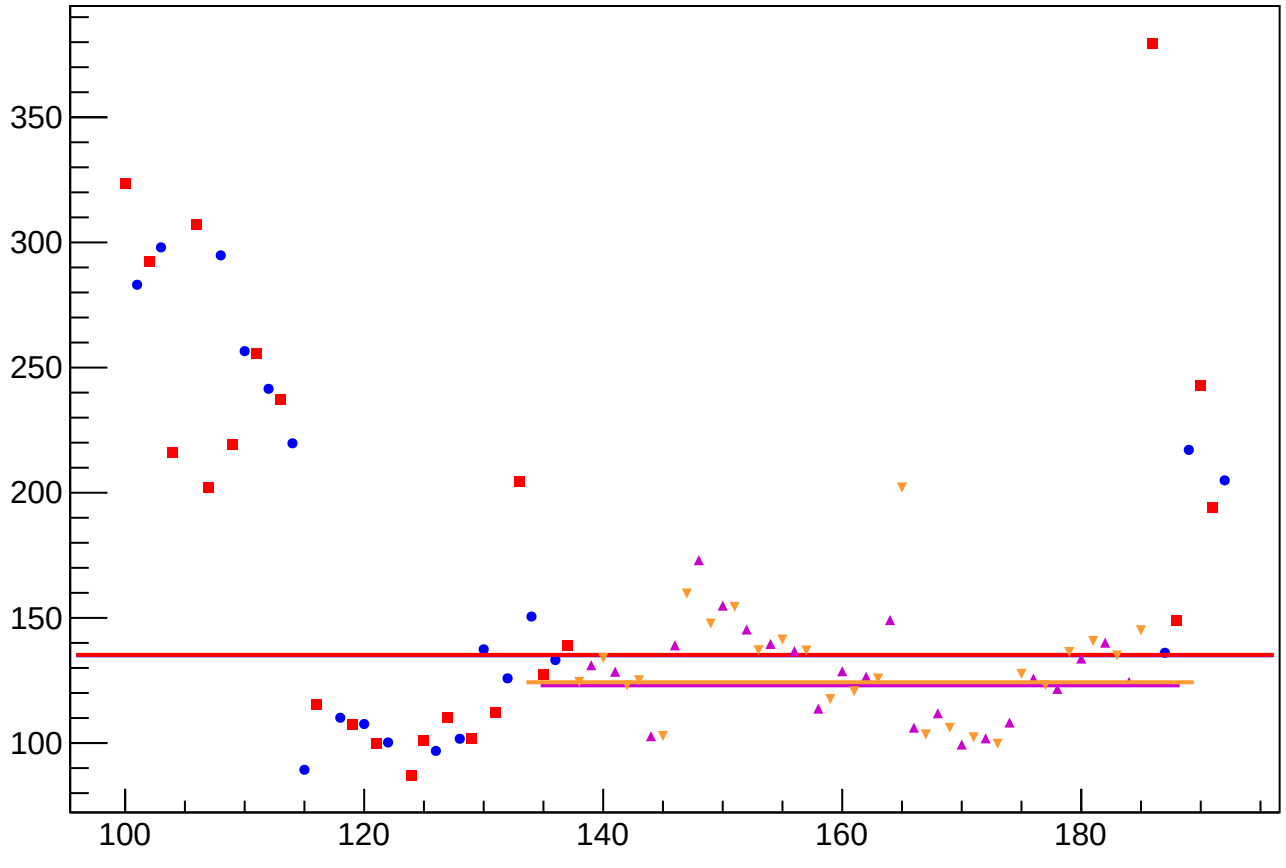
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.038+/-0.034 χ^2/NDF: 41.0/41

In: 0.007+/-0.025 χ^2/NDF:44.1/41

Out: 0.033+/-0.025 χ^2/NDF:49.0/47

All: 0.020+/-0.018 χ^2/NDF: 93.7/89



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: 135.225+/-0.034 χ^2/NDF: 2409169.7/22

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

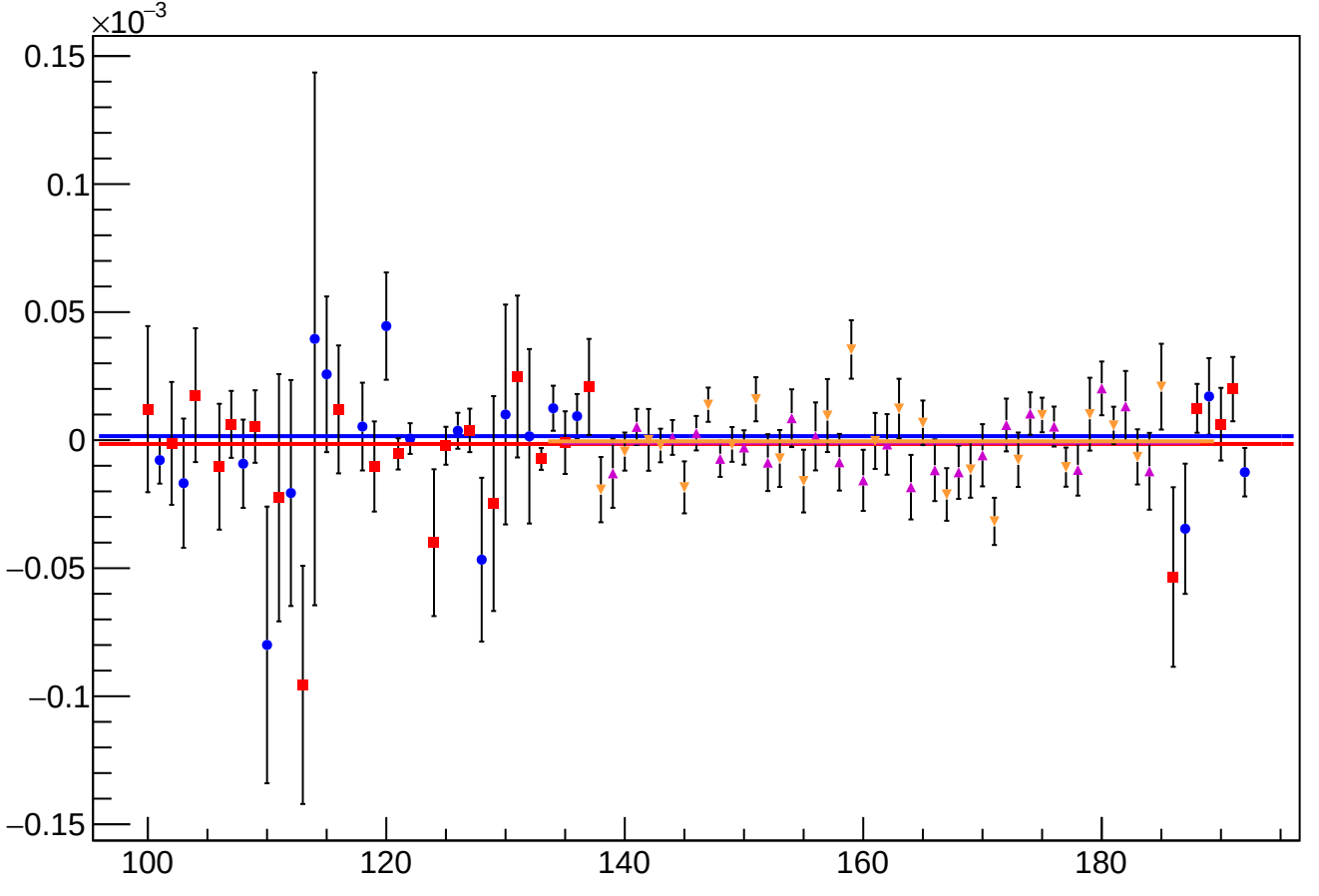
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 135.148+/-0.024 χ^2/NDF: 4616527.8/41

In: 126.229+/-0.018 χ^2/NDF:3014579.8/41

Out: 127.156+/-0.017 χ^2/NDF:3326305.4/47

All: 126.703+/-0.012 χ^2/NDF: 6342271.6/89



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: 20.7/22

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

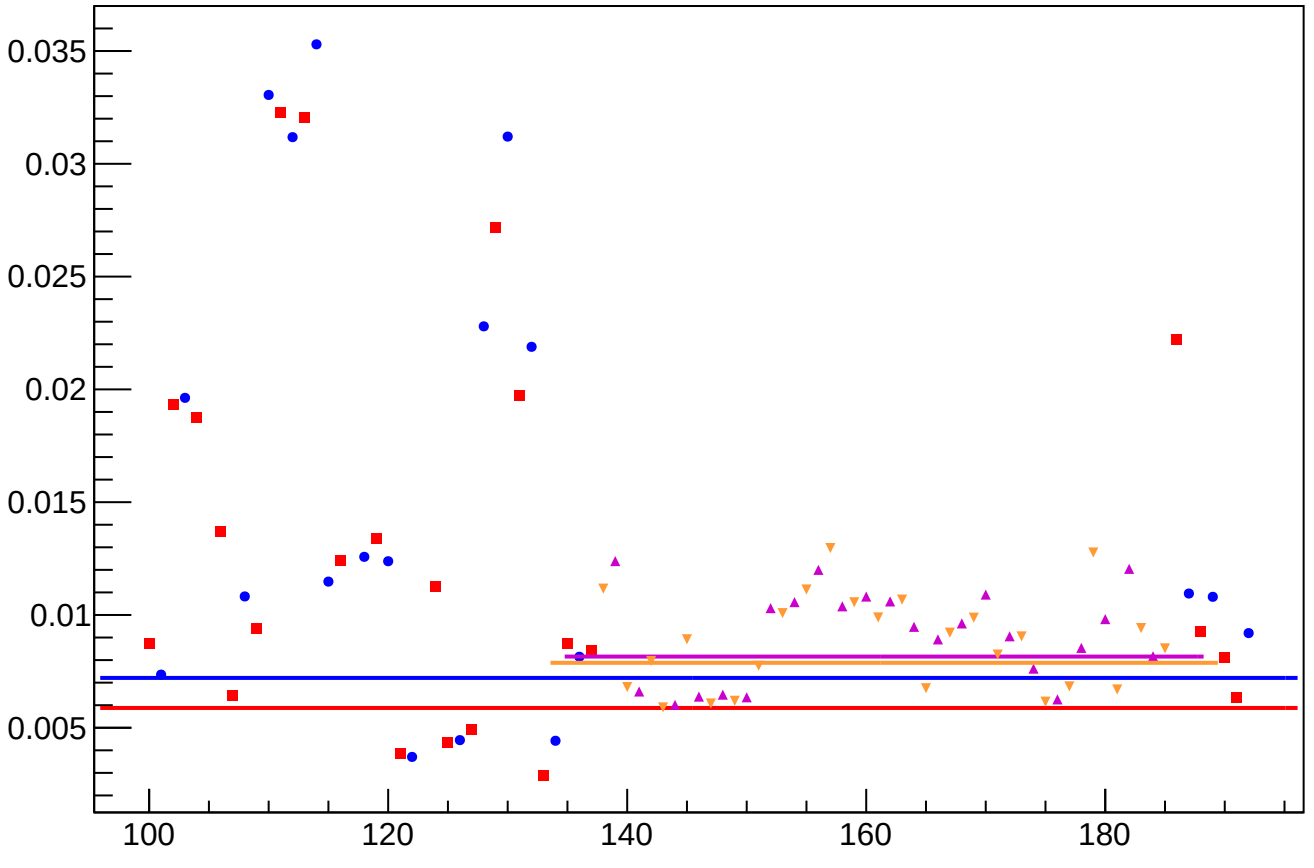
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: -0.000+/-0.000 χ^2/NDF: 40.9/41

In: -0.000+/-0.000 χ^2/NDF:40.1/41

Out: -0.000+/-0.000 χ^2/NDF:73.3/47

All: -0.000+/-0.000 χ^2/NDF: 113.4/89



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: 6366283.0/22

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

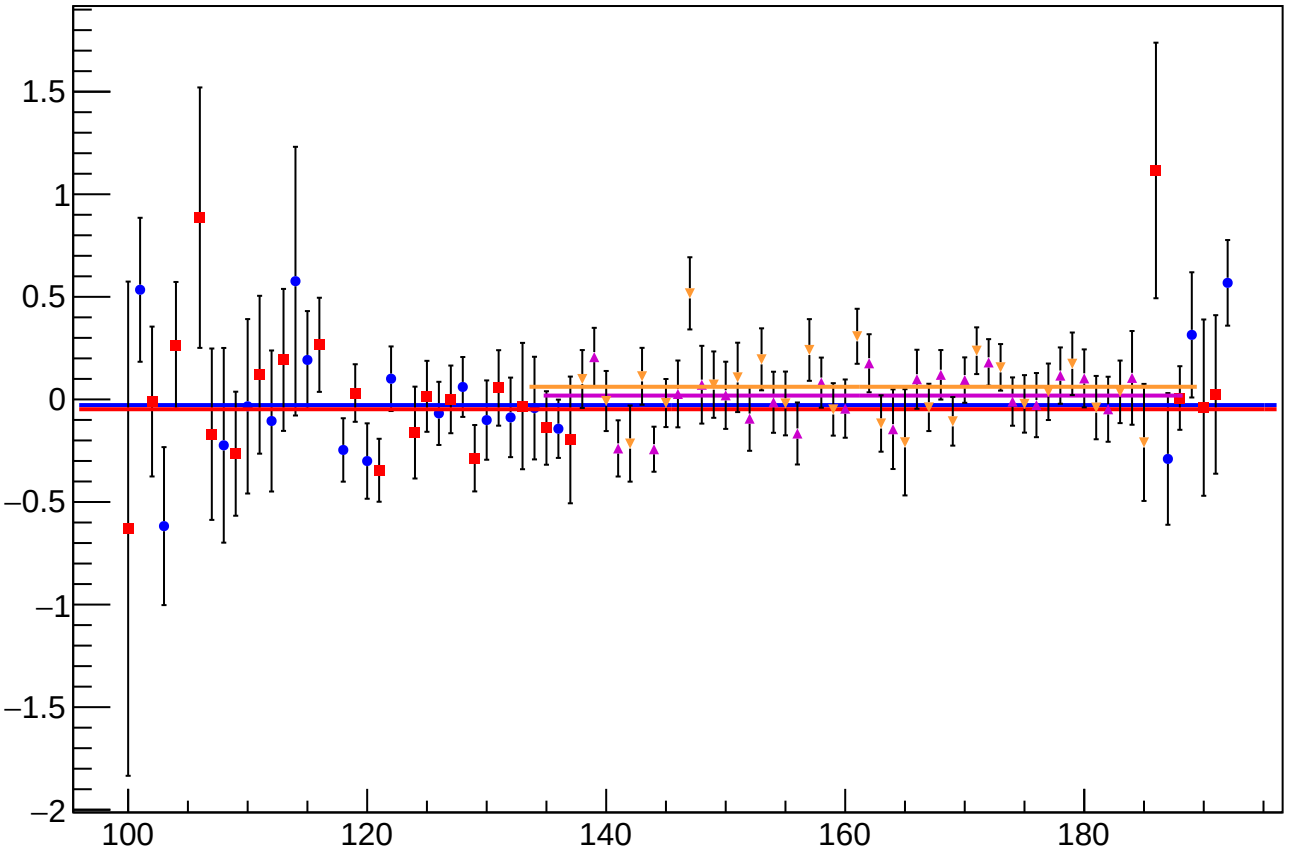
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.006+/-0.000 χ^2/NDF: 11672479.7/41

In: 0.008+/-0.000 χ^2/NDF:7219768.3/41

Out: 0.007+/-0.000 χ^2/NDF:9308836.8/47

All: 0.007+/-0.000 χ^2/NDF: 16740927.7/89



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: -0.048+/-0.048 χ^2/NDF: 17.8/22

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

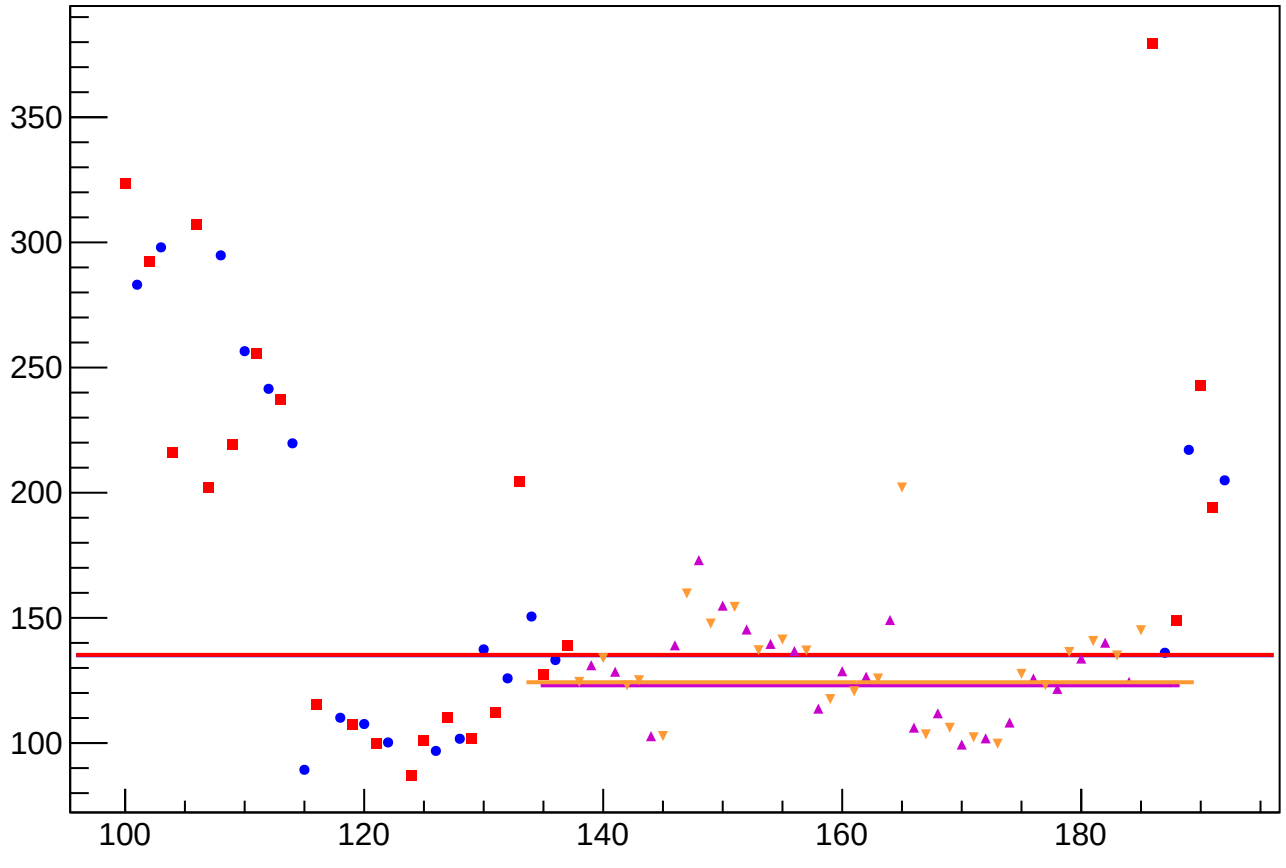
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.038+/-0.034 χ^2/NDF: 41.0/41

In: 0.007+/-0.025 χ^2/NDF:44.1/41

Out: 0.033+/-0.025 χ^2/NDF:49.0/47

All: 0.020+/-0.018 χ^2/NDF: 93.7/89



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: 135.223+/-0.034 χ^2/NDF: 2409189.8/22

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

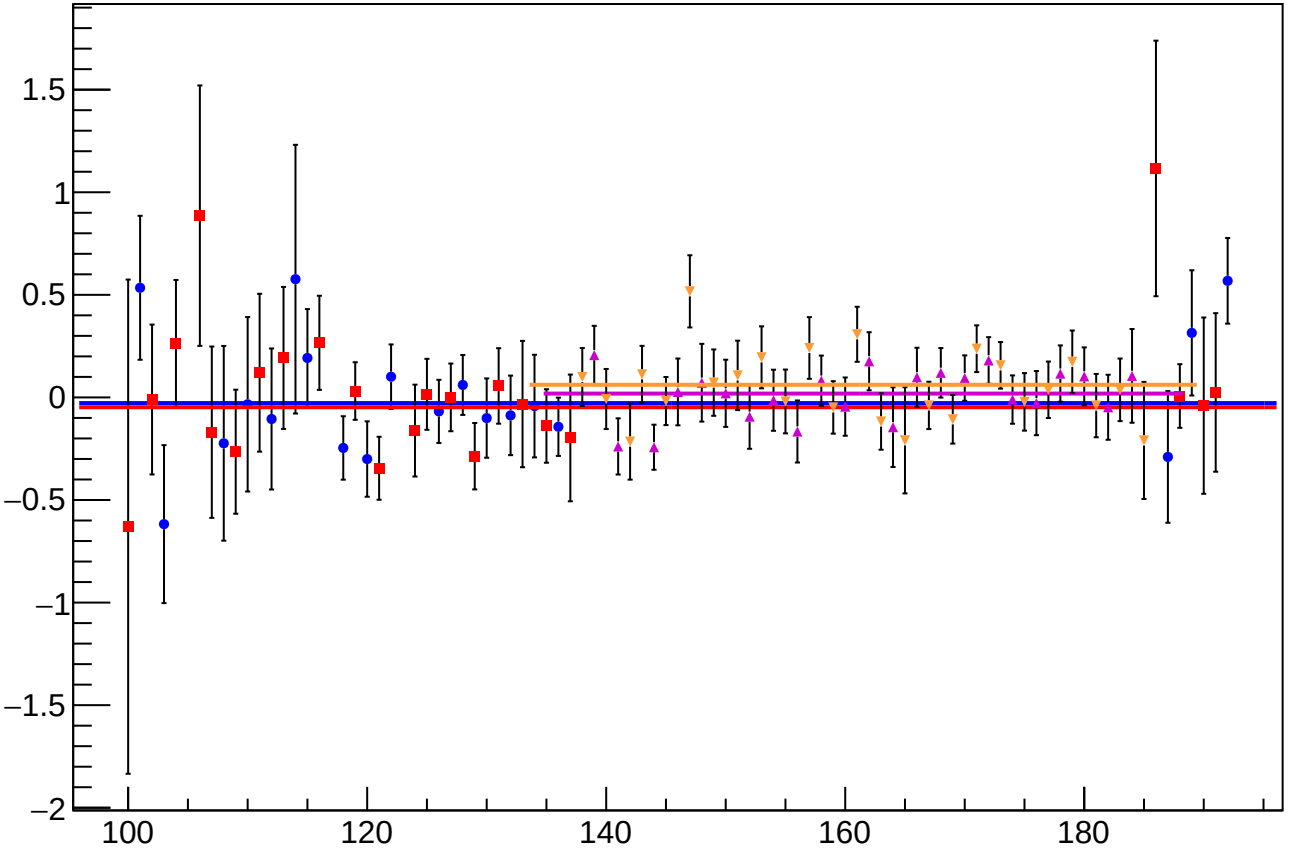
Right: 135.145+/-0.024 χ^2/NDF: 4616534.0/41

In: 126.228+/-0.018 χ^2/NDF:3014552.9/41

Out: 127.156+/-0.017 χ^2/NDF:3326343.0/47

All: 126.702+/-0.012 χ^2/NDF: 6342282.6/89

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.048+/-0.048 χ^2/NDF: 17.8/22

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

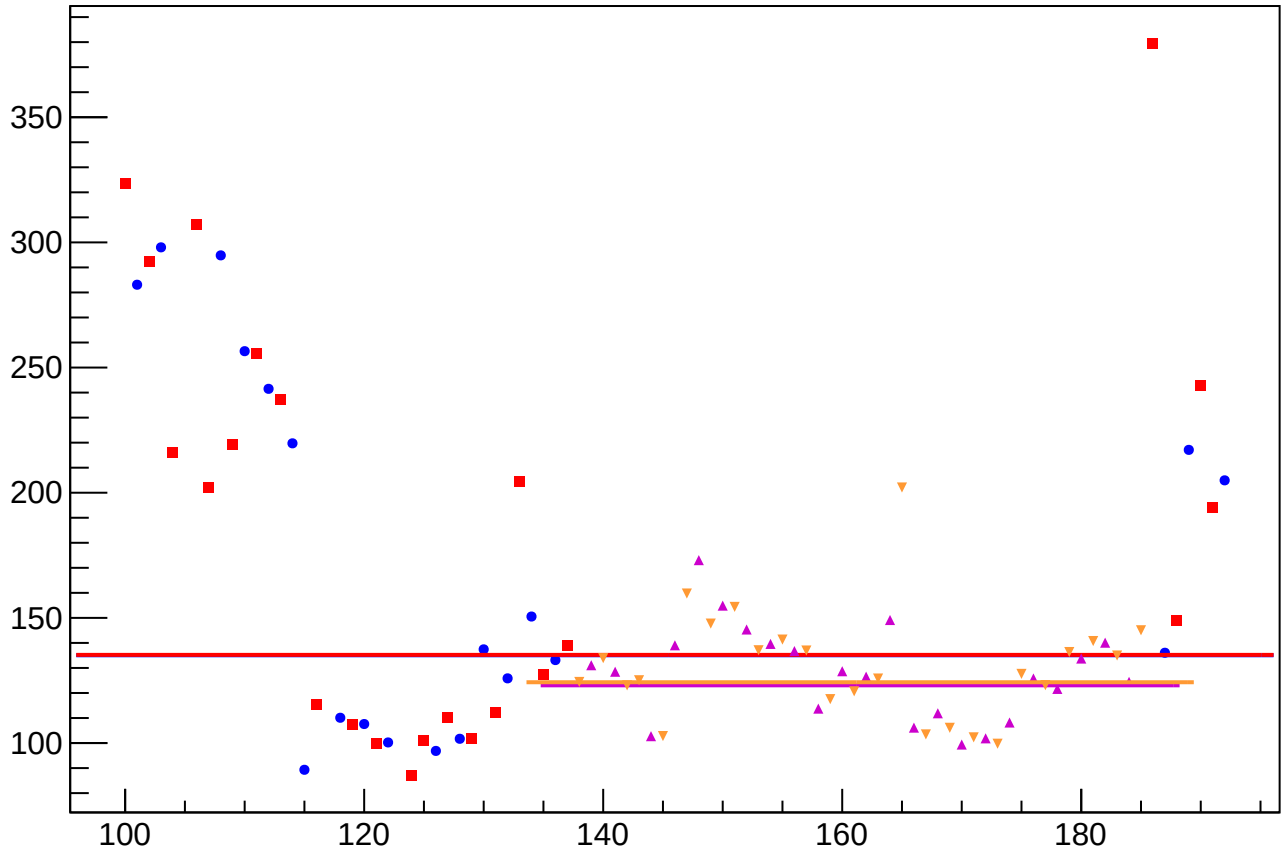
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.038+/-0.034 χ^2/NDF: 41.0/41

In: 0.007+/-0.025 χ^2/NDF:44.1/41

Out: 0.033+/-0.025 χ^2/NDF:49.0/47

All: 0.020+/-0.018 χ^2/NDF: 93.7/89



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: 135.223+/-0.034 χ^2/NDF: 2409189.8/22

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

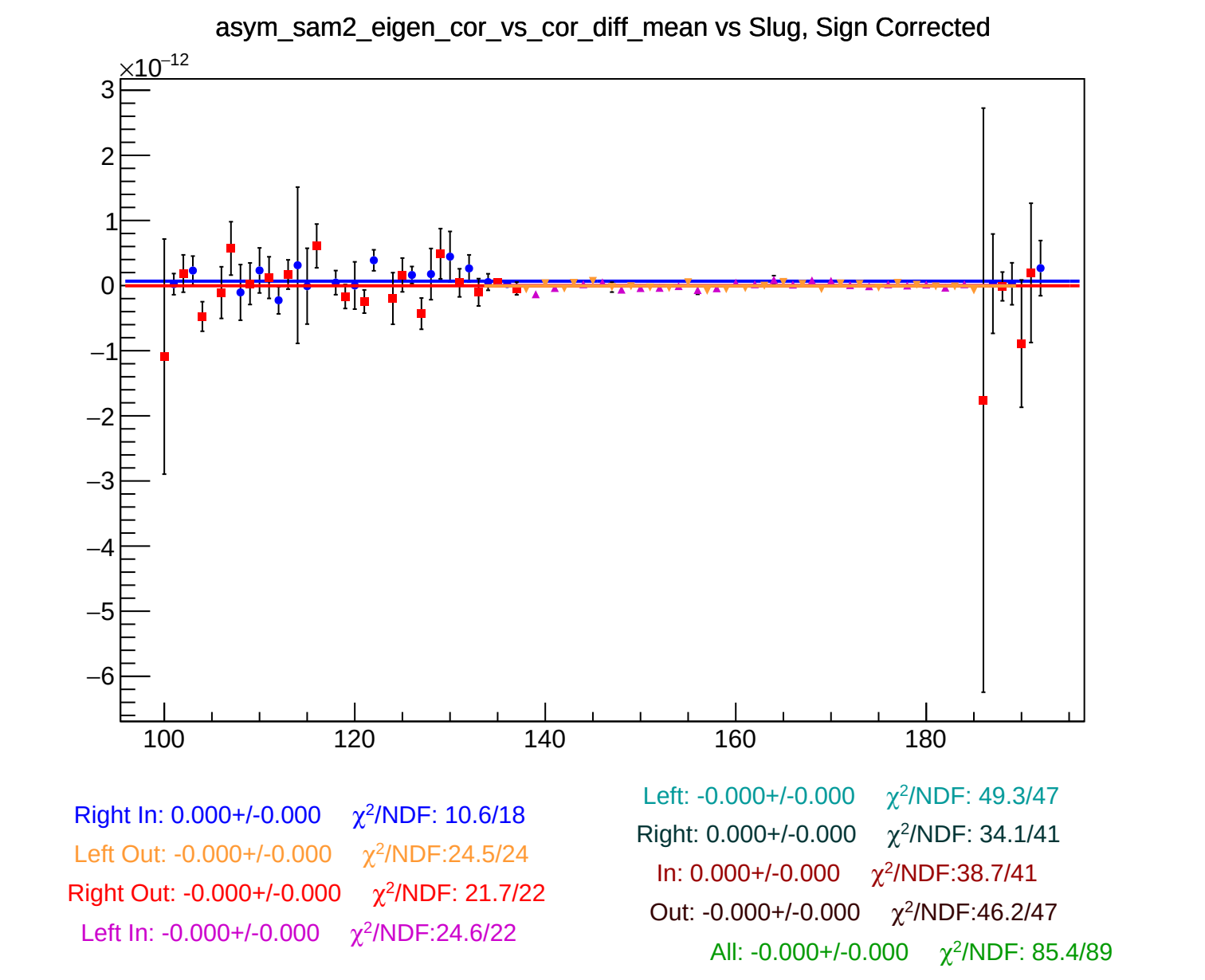
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

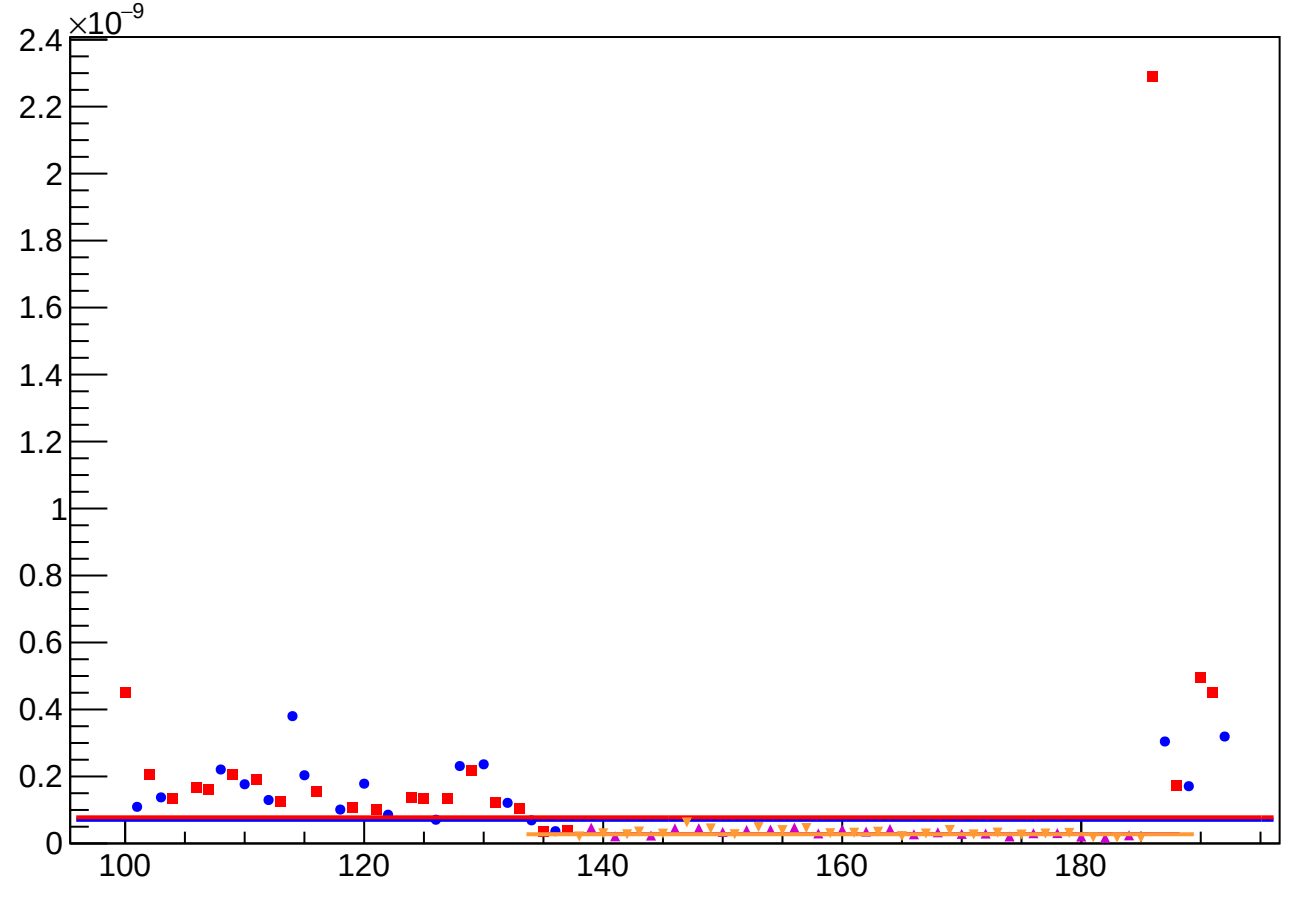
Right: 135.145+/-0.024 χ^2/NDF: 4616534.0/41

In: 126.228+/-0.018 χ^2/NDF:3014552.9/41

Out: 127.156+/-0.017 χ^2/NDF:3326343.0/47

All: 126.702+/-0.012 χ^2/NDF: 6342282.6/89


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: 21.7/22
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: 34.1/41
In: 0.000+/-0.000 χ²/NDF:38.7/41
Out: -0.000+/-0.000 χ²/NDF:46.2/47
All: -0.000+/-0.000 χ²/NDF: 85.4/89



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: 5141135.8/22

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

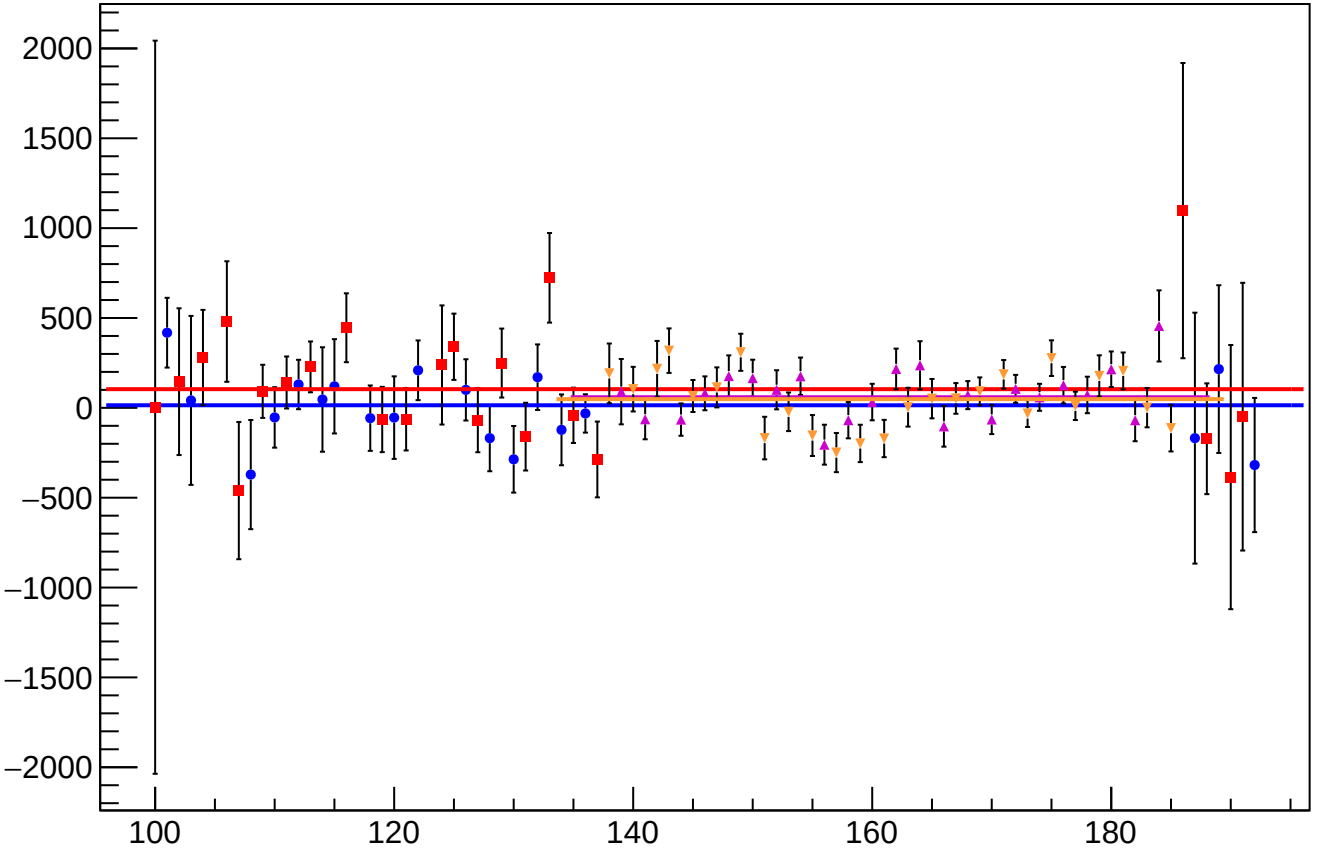
Right: 0.000+/-0.000 χ^2/NDF: 9451829.6/41

In: 0.000+/-0.000 χ^2/NDF:9127609.5/41

Out: 0.000+/-0.000 χ^2/NDF:10807338.4/47

All: 0.000+/-0.000 χ^2/NDF: 19947109.0/89

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: 103.946+/-45.089 χ^2/NDF: 28.2/22

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

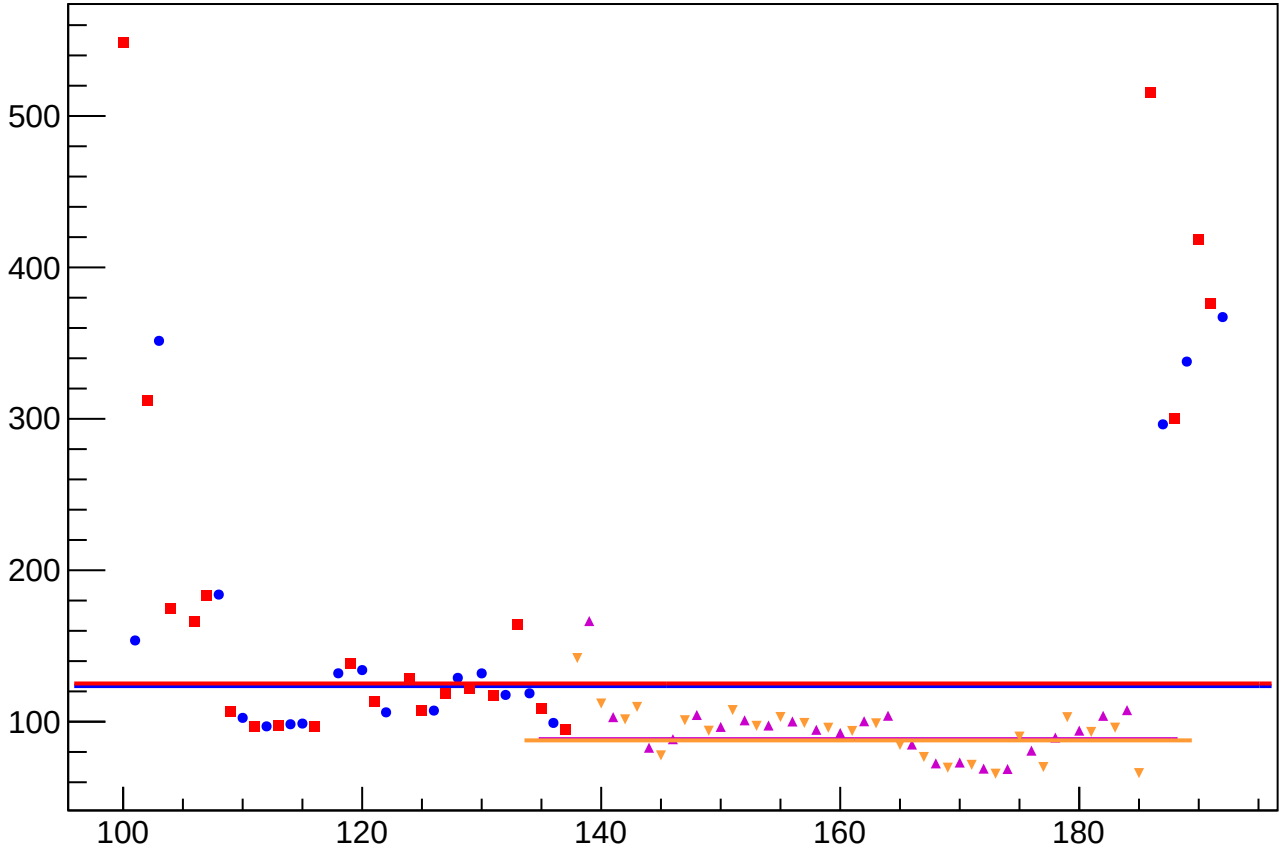
Right: 59.127+/-31.872 χ^2/NDF: 45.1/41

In: 50.949+/-19.150 χ^2/NDF:46.3/41

Out: 57.849+/-18.604 χ^2/NDF:83.1/47

All: 54.499+/-13.344 χ^2/NDF: 129.4/89

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: 125.230+/-0.032 χ^2/NDF: 2681595.7/22

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

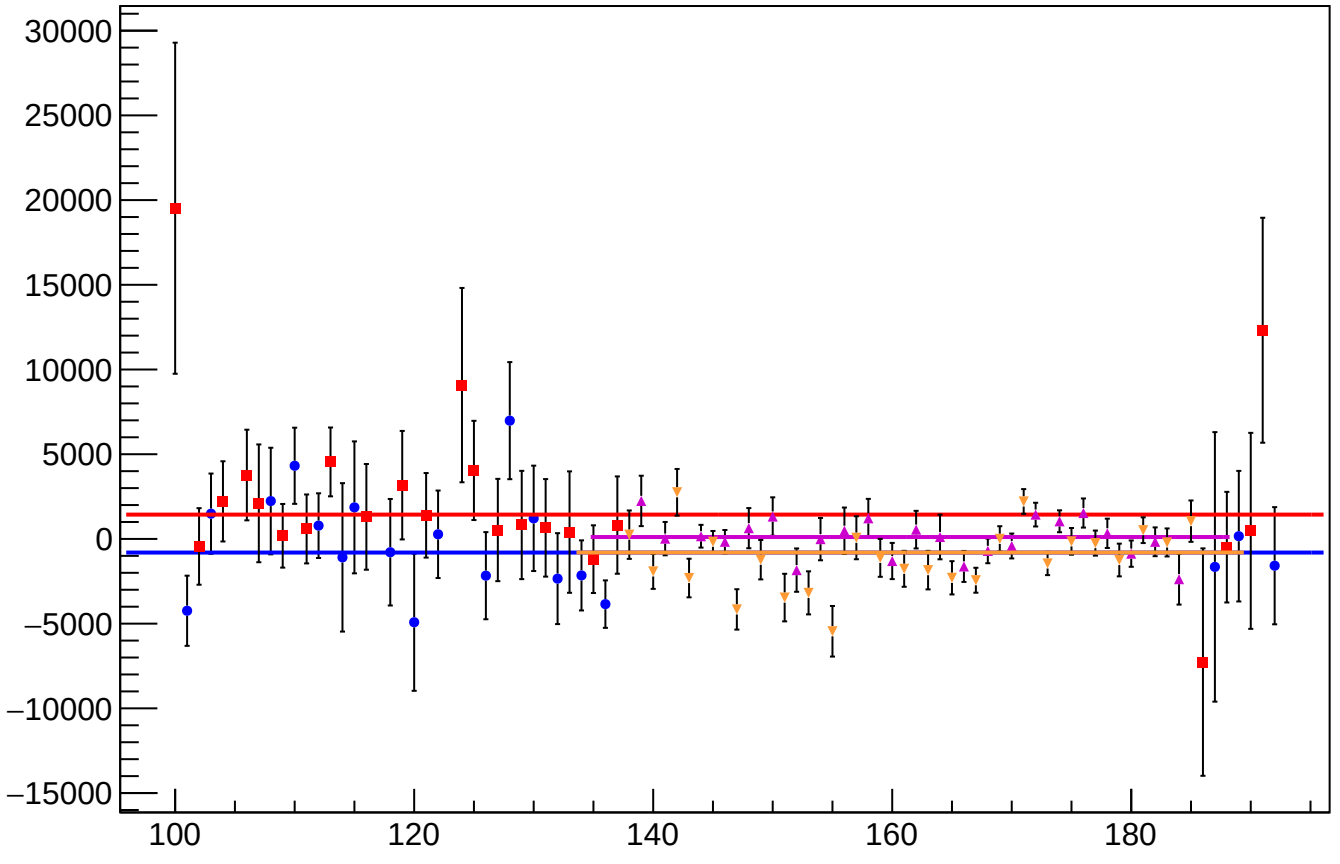
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 124.369+/-0.023 χ^2/NDF: 4977248.6/41

In: 94.809+/-0.014 χ^2/NDF:4360137.7/41

Out: 94.052+/-0.013 χ^2/NDF:5047311.0/47

All: 94.420+/-0.009 χ^2/NDF: 9409056.9/89



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: 1435.517+/-594.546 χ^2/NDF: 17.7/22

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

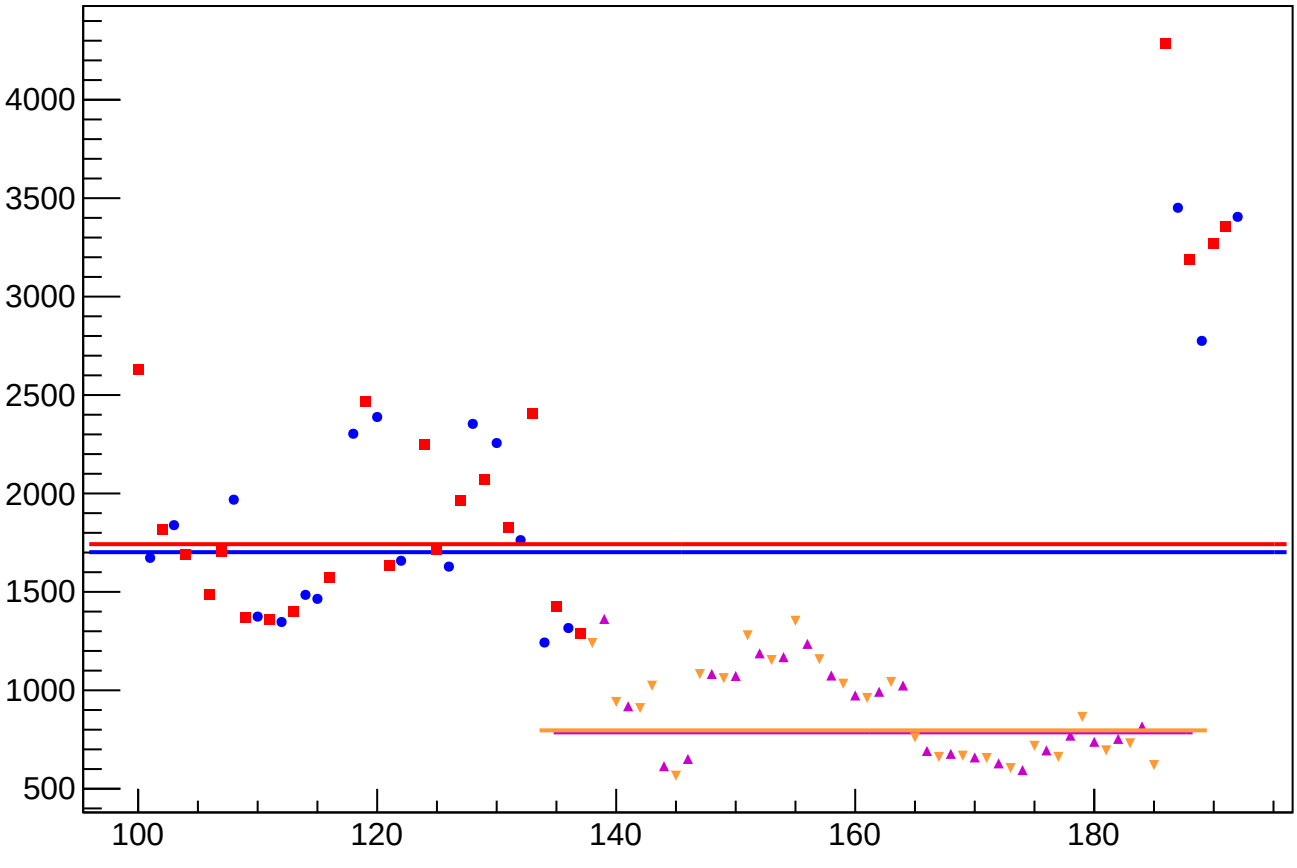
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 321.032+/-421.412 χ^2/NDF: 48.3/41

In: 28.061+/-181.296 χ^2/NDF:52.8/41

Out: -598.645+/-179.040 χ^2/NDF:102.4/47

All: -289.216+/-127.390 χ^2/NDF: 161.2/89



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: 1742.402+/-0.420 χ^2/NDF: 1514261.5/22

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

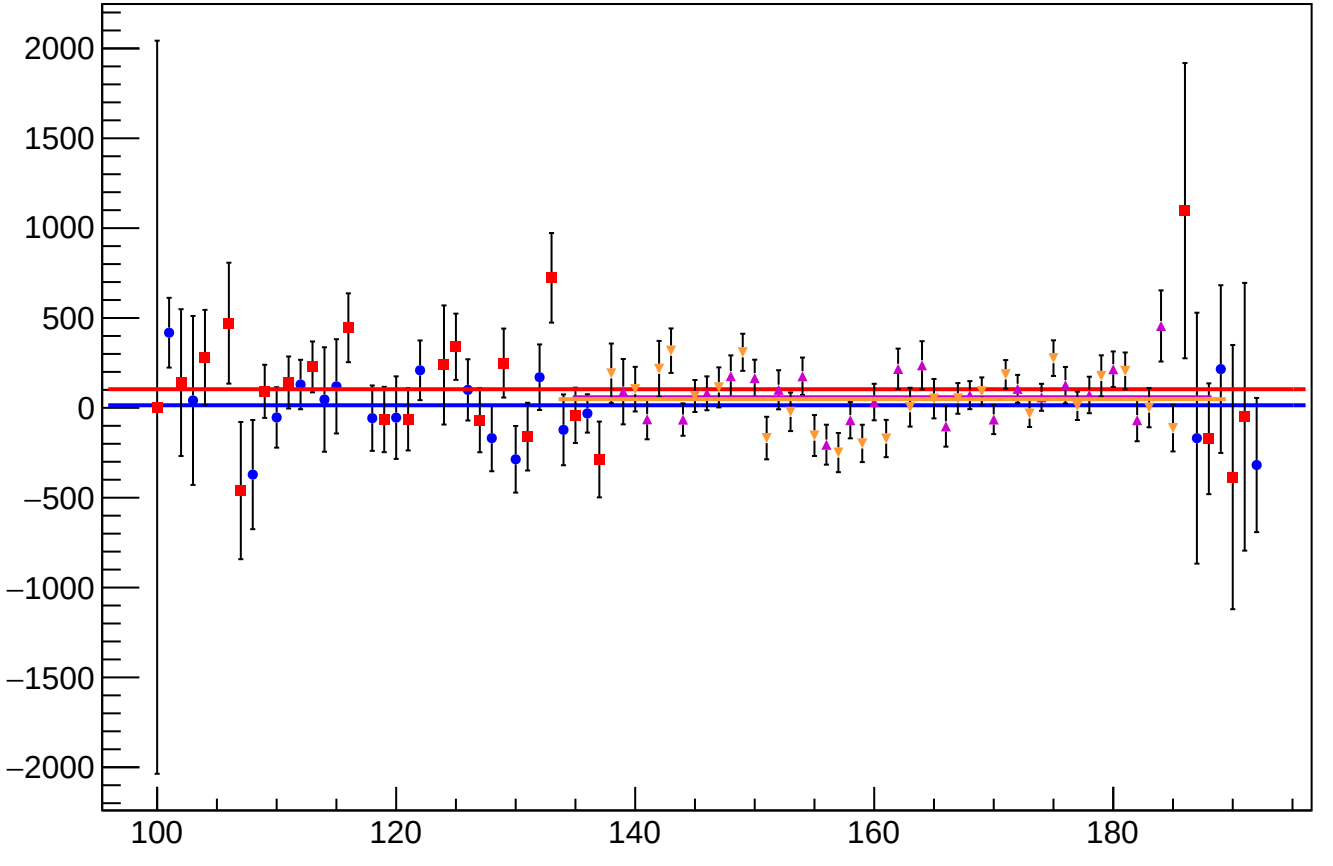
Right: 1722.177+/-0.298 χ^2/NDF: 2919868.1/41

In: 870.644+/-0.128 χ^2/NDF:7821214.1/41

Out: 882.299+/-0.127 χ^2/NDF:8535179.9/47

All: 876.545+/-0.090 χ^2/NDF: 16360578.5/89

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: 103.668+/-45.092 χ^2/NDF: 28.2/22

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

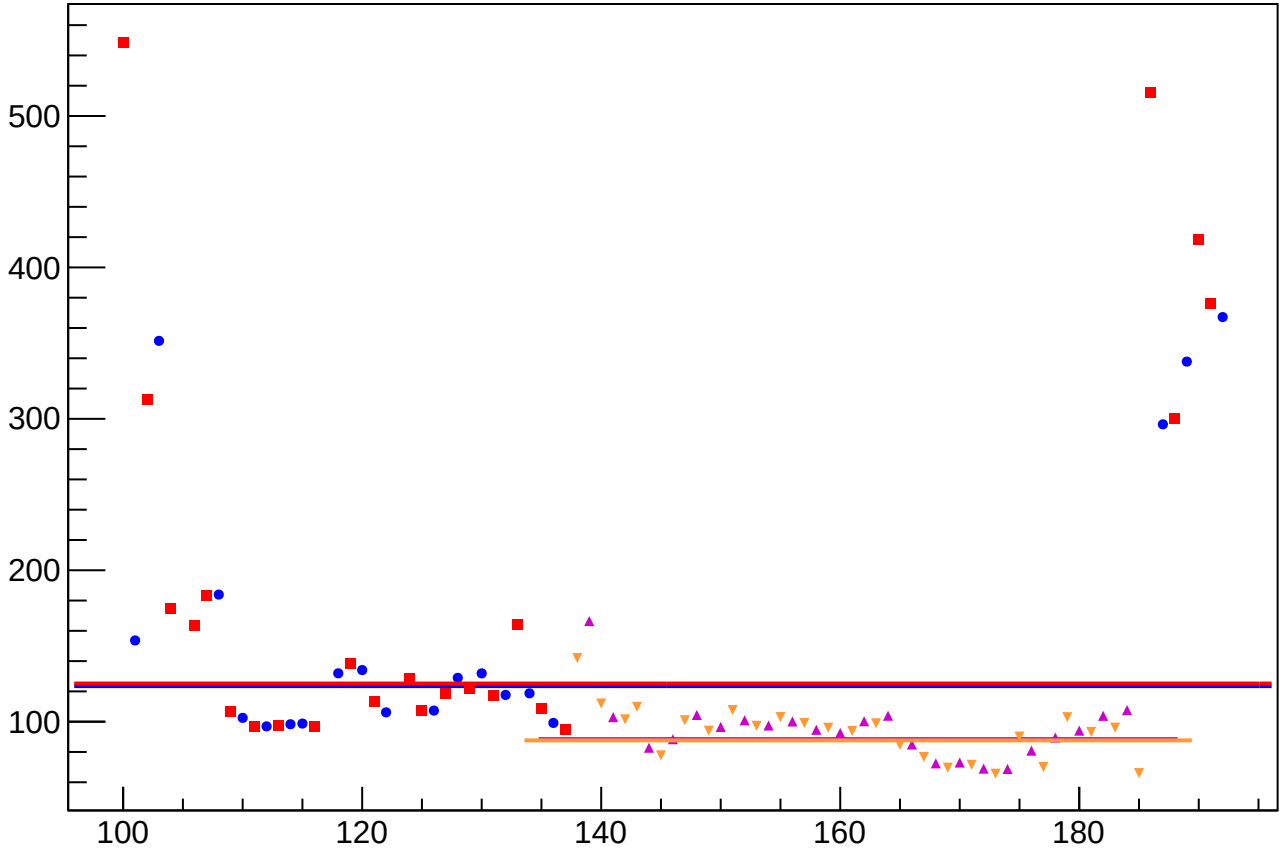
Right: 58.979+/-31.873 χ^2/NDF: 45.0/41

In: 50.949+/-19.150 χ^2/NDF:46.3/41

Out: 57.807+/-18.604 χ^2/NDF:83.0/47

All: 54.477+/-13.344 χ^2/NDF: 129.4/89

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: 125.181+/-0.032 χ^2/NDF: 2678102.8/22

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

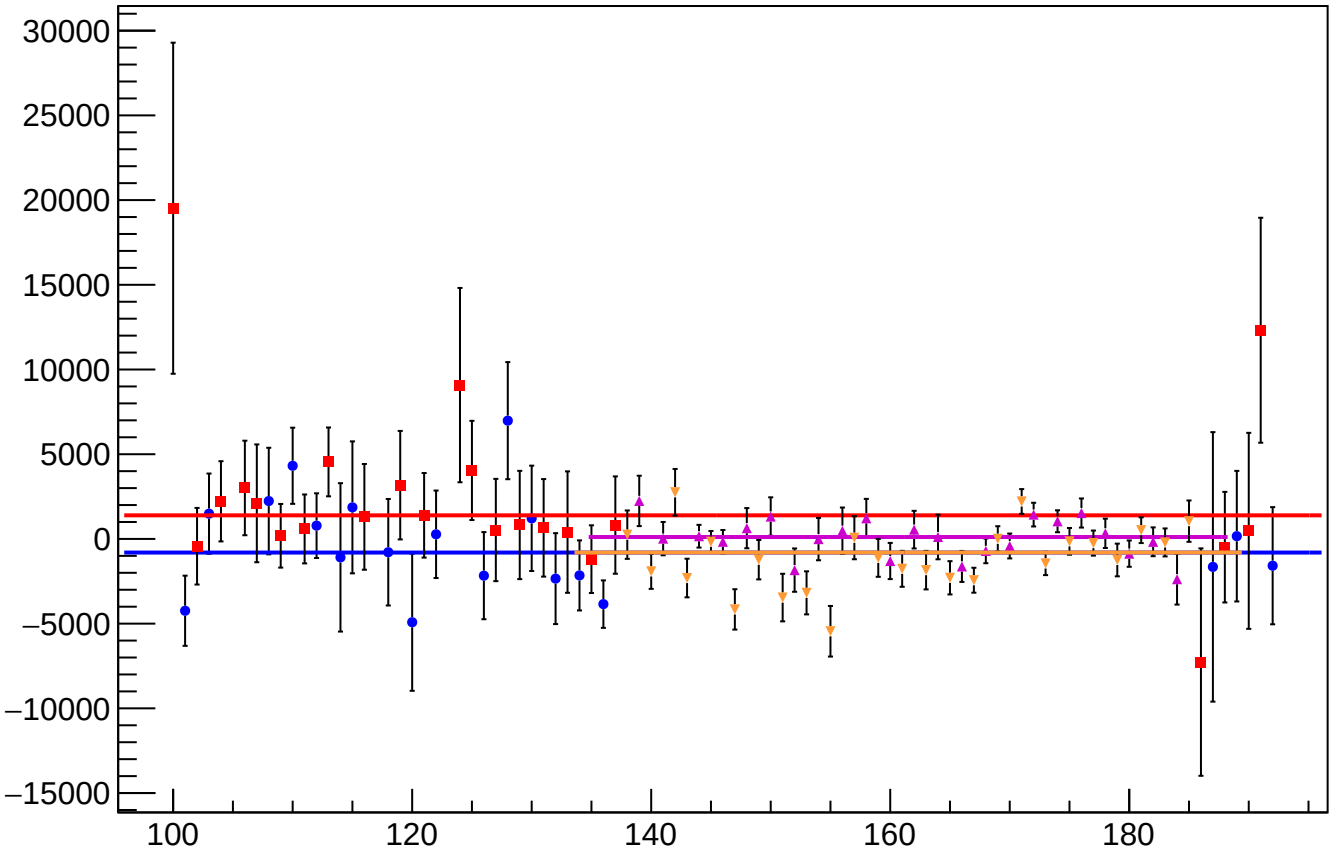
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 124.344+/-0.023 χ^2/NDF: 4973675.6/41

In: 94.809+/-0.014 χ^2/NDF:4360139.3/41

Out: 94.043+/-0.013 χ^2/NDF:5040679.1/47

All: 94.415+/-0.009 χ^2/NDF: 9402465.3/89



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: 1392.526+/-595.773 χ^2/NDF: 17.2/22

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

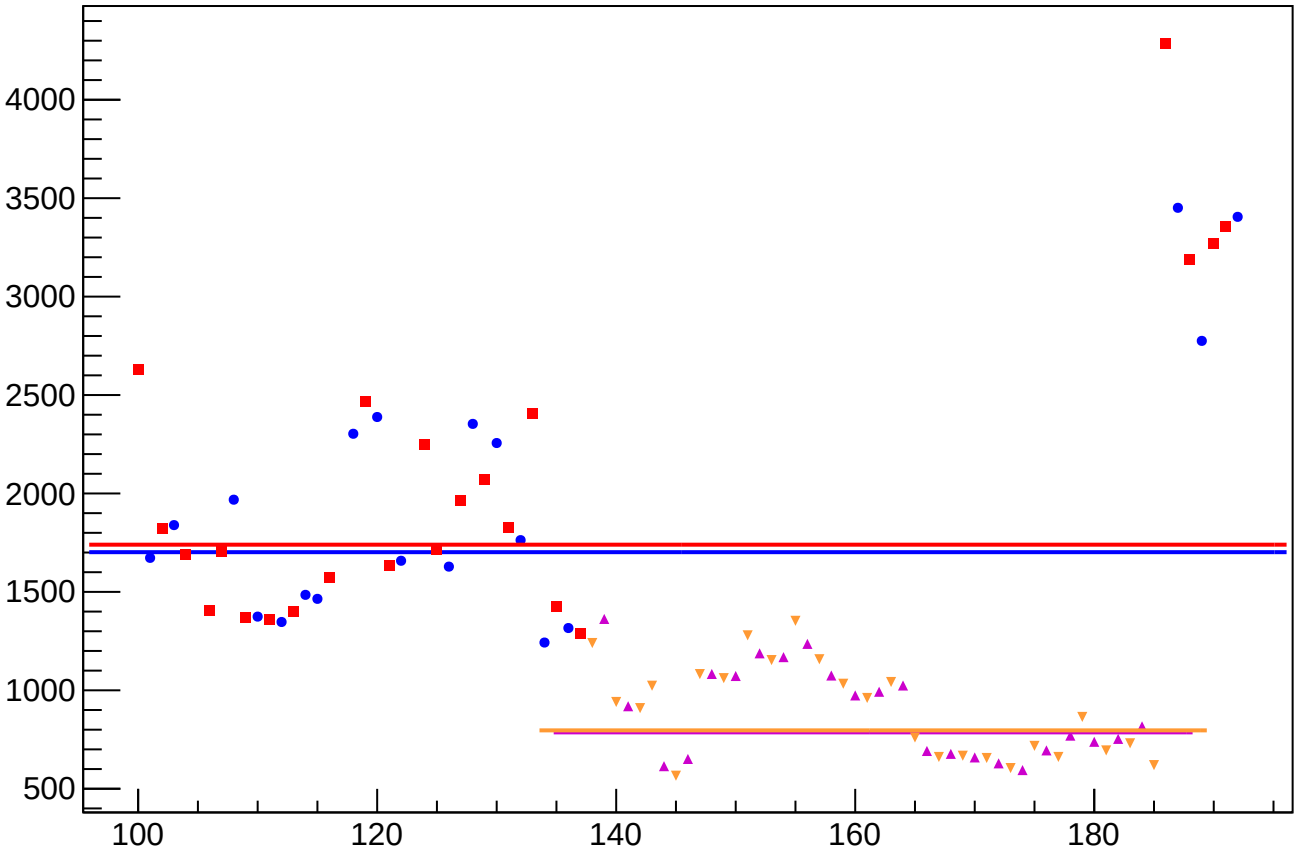
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 297.185+/-421.850 χ^2/NDF: 47.5/41

In: 28.066+/-181.296 χ^2/NDF:52.8/41

Out: -603.282+/-179.073 χ^2/NDF:101.4/47

All: -291.503+/-127.403 χ^2/NDF: 160.3/89



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: 1739.825+/-0.421 χ^2/NDF: 1525150.2/22

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

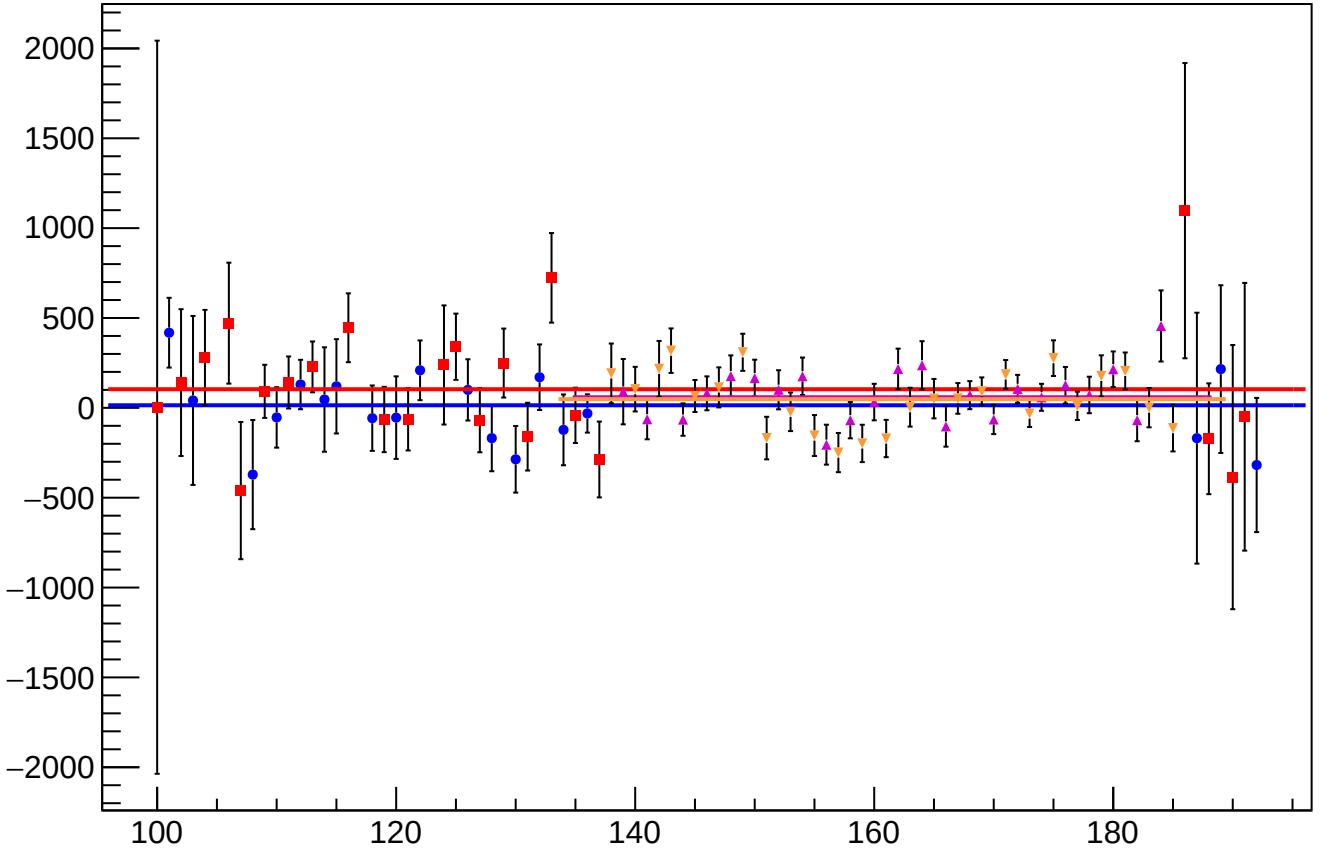
Right: 1720.848+/-0.298 χ^2/NDF: 2930195.5/41

In: 870.644+/-0.128 χ^2/NDF:7821271.4/41

Out: 881.745+/-0.127 χ^2/NDF:8503875.8/47

All: 876.263+/-0.090 χ^2/NDF: 16328942.7/89

eigen_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: 103.668+/-45.092 χ^2/NDF: 28.2/22

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

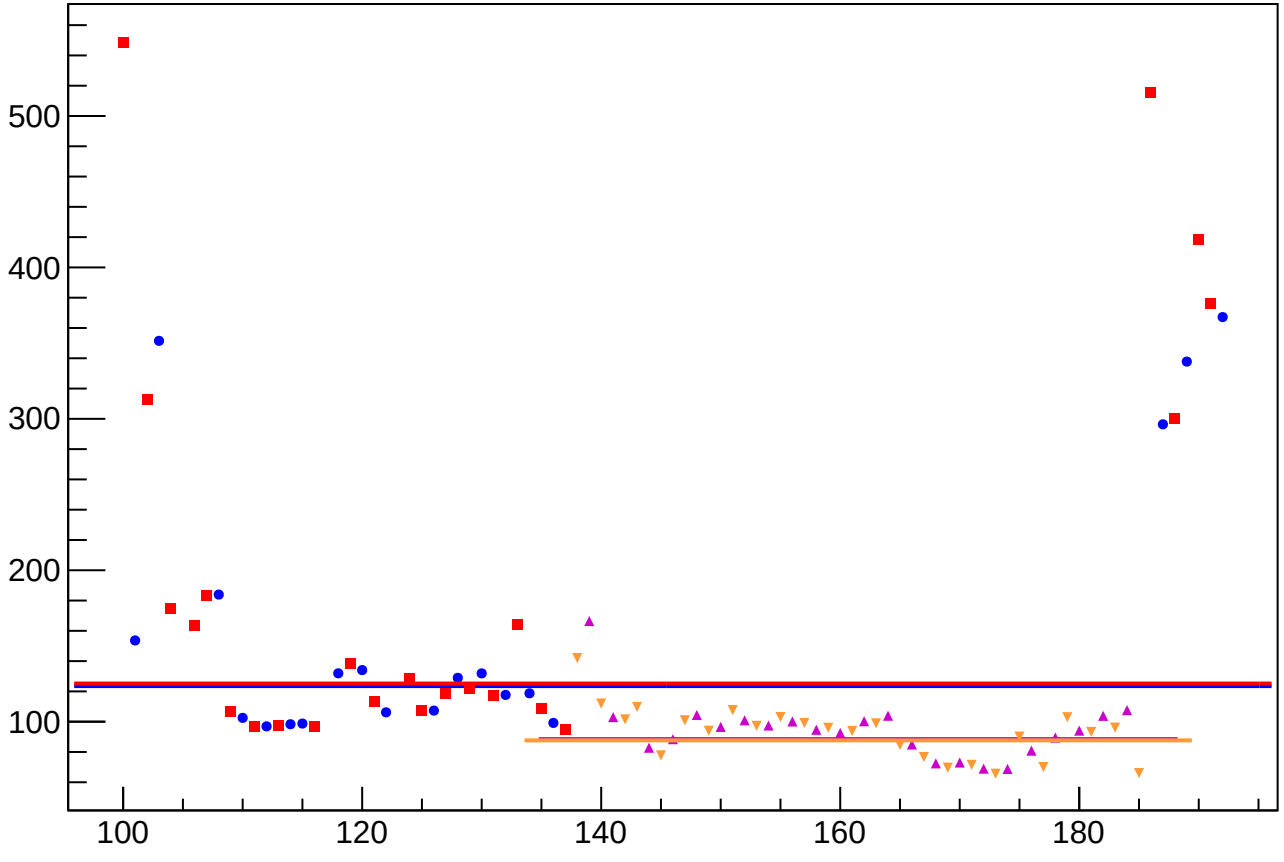
Right: 58.979+/-31.873 χ^2/NDF: 45.0/41

In: 50.949+/-19.150 χ^2/NDF:46.3/41

Out: 57.807+/-18.604 χ^2/NDF:83.0/47

All: 54.477+/-13.344 χ^2/NDF: 129.4/89

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: 125.181+/-0.032 χ^2/NDF: 2678102.8/22

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

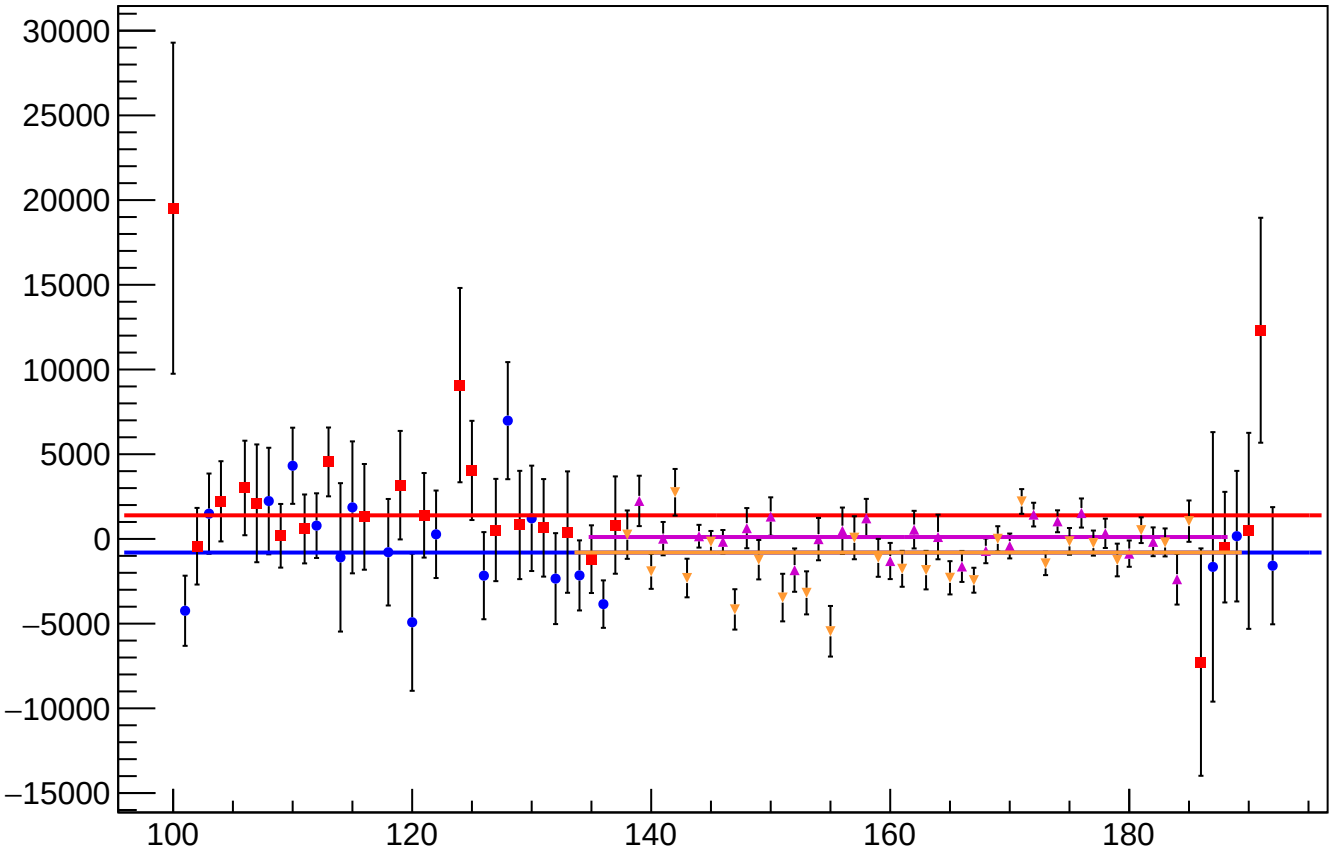
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 124.344+/-0.023 χ^2/NDF: 4973675.6/41

In: 94.809+/-0.014 χ^2/NDF:4360139.3/41

Out: 94.043+/-0.013 χ^2/NDF:5040679.1/47

All: 94.415+/-0.009 χ^2/NDF: 9402465.3/89



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: 1392.526+/-595.773 χ^2/NDF: 17.2/22

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

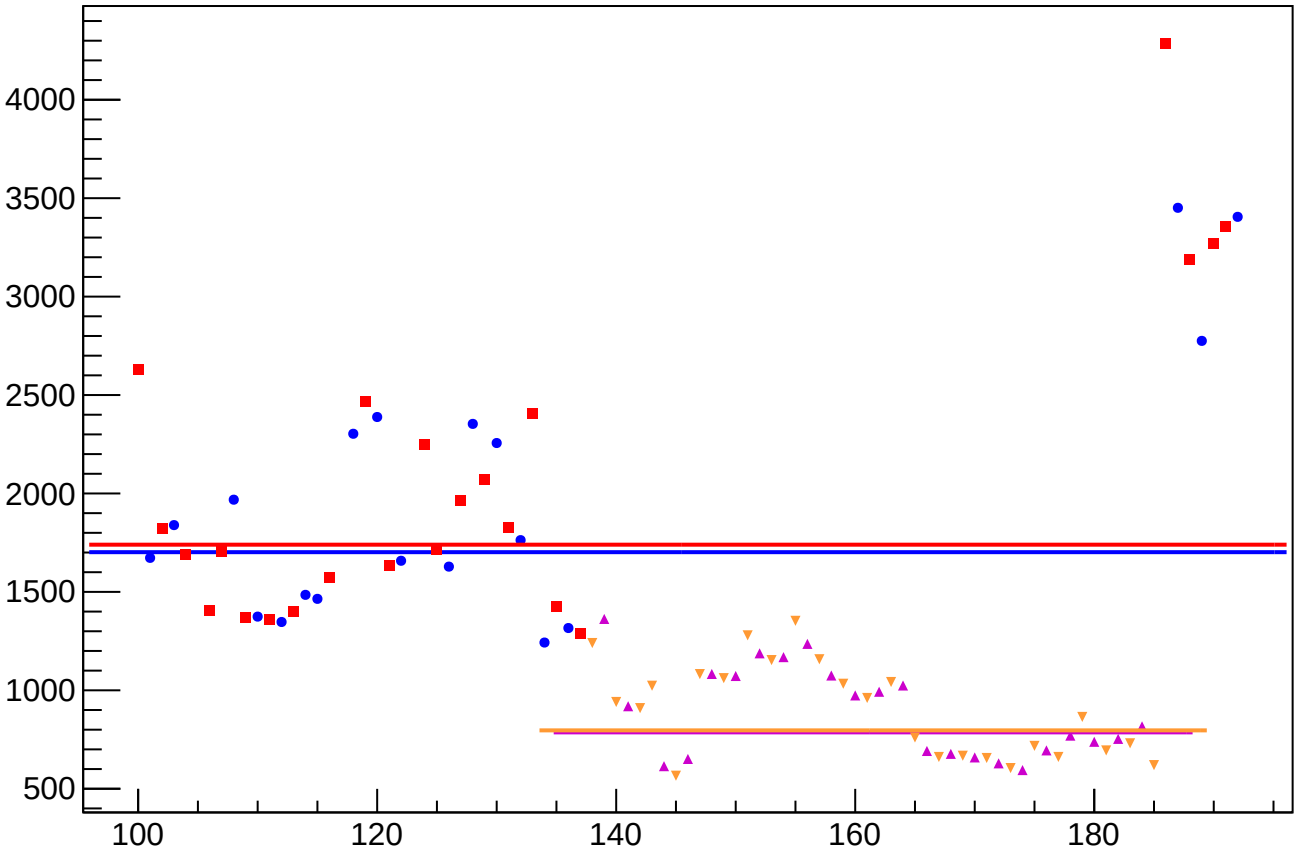
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 297.185+/-421.850 χ^2/NDF: 47.5/41

In: 28.066+/-181.296 χ^2/NDF:52.8/41

Out: -603.282+/-179.073 χ^2/NDF:101.4/47

All: -291.503+/-127.403 χ^2/NDF: 160.3/89



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: 1739.825+/-0.421 χ^2/NDF: 1525150.2/22

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

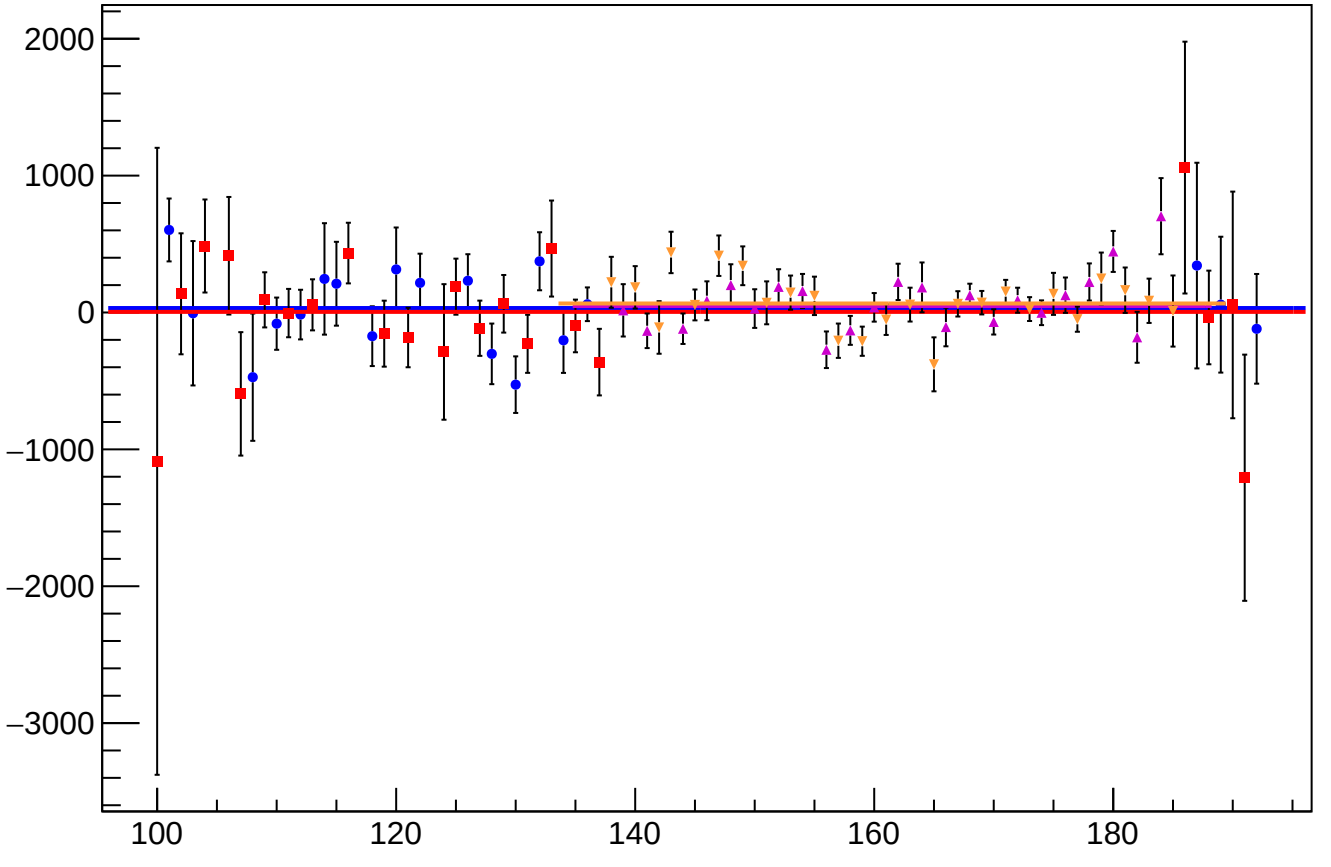
Right: 1720.848+/-0.298 χ^2/NDF: 2930195.5/41

In: 870.644+/-0.128 χ^2/NDF:7821271.4/41

Out: 881.745+/-0.127 χ^2/NDF:8503875.8/47

All: 876.263+/-0.090 χ^2/NDF: 16328942.7/89

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: 4.450+/-55.025 χ^2/NDF: 20.5/22

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

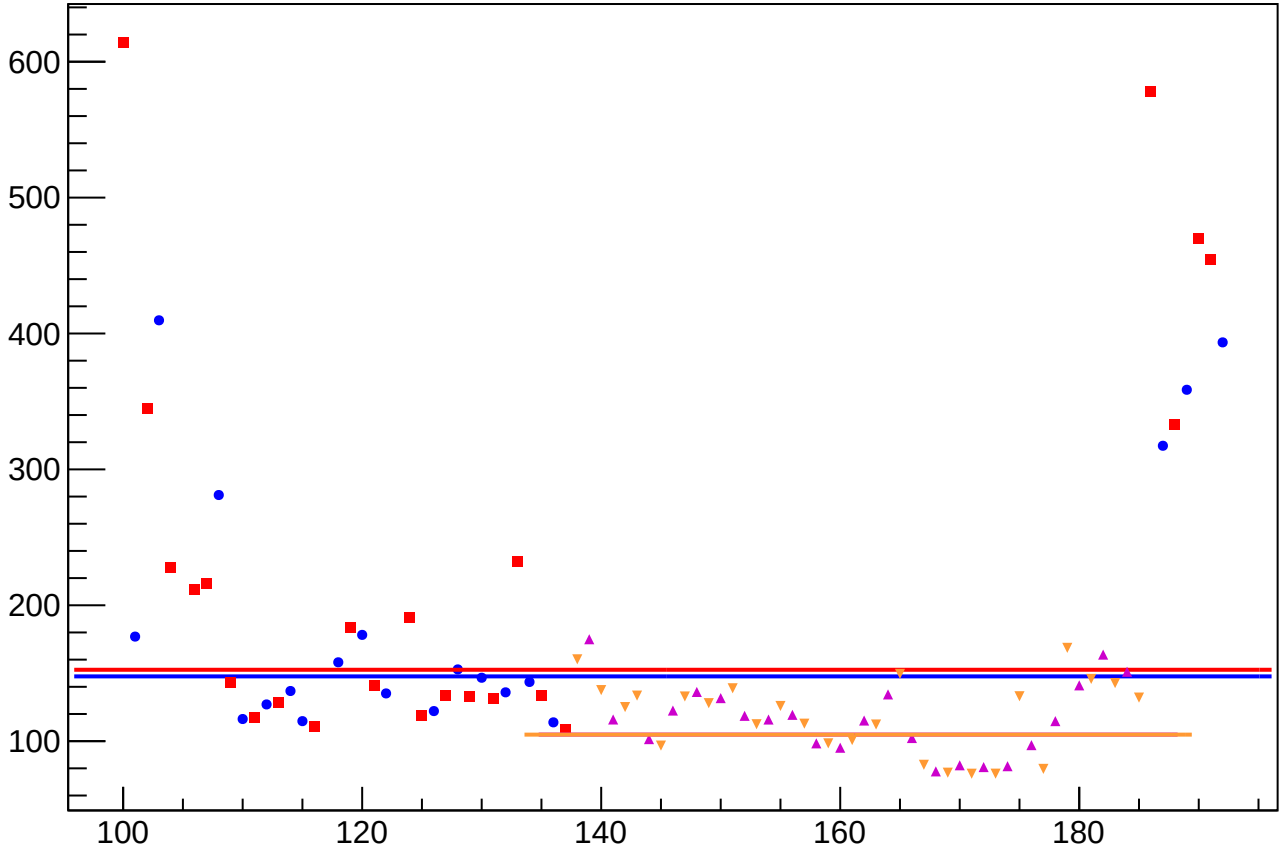
Right: 18.795+/-38.518 χ^2/NDF: 46.1/41

In: 44.364+/-23.198 χ^2/NDF:64.2/41

Out: 55.180+/-22.806 χ^2/NDF:61.5/47

All: 49.864+/-16.263 χ^2/NDF: 125.8/89

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: 152.543+/-0.039 χ^2/NDF: 2672961.7/22

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

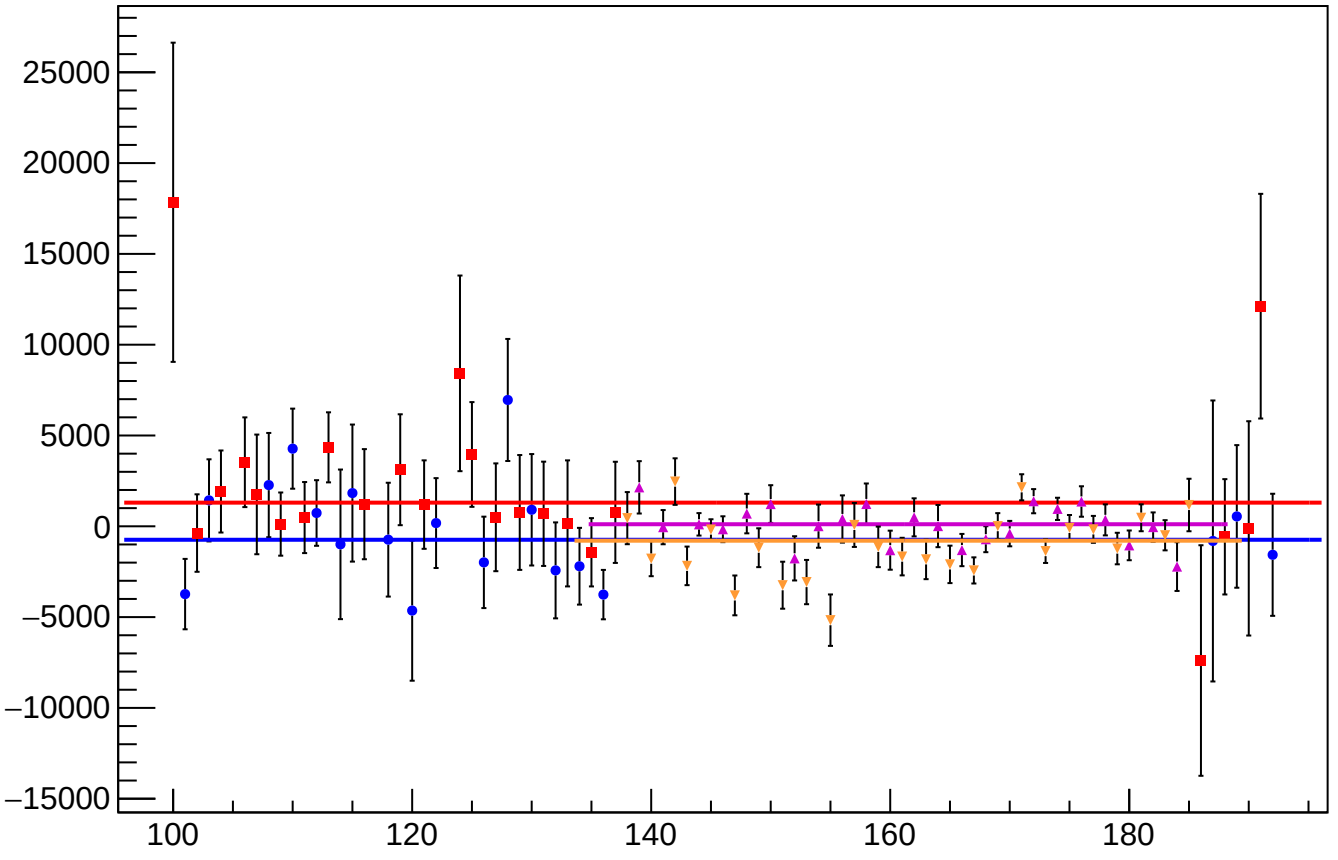
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 150.058+/-0.027 χ^2/NDF: 4916988.3/41

In: 112.758+/-0.016 χ^2/NDF:4878578.6/41

Out: 113.009+/-0.016 χ^2/NDF:6162275.0/47

All: 112.886+/-0.011 χ^2/NDF: 11040972.6/89



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: 1302.815+/-568.615 χ^2/NDF: 18.9/22

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

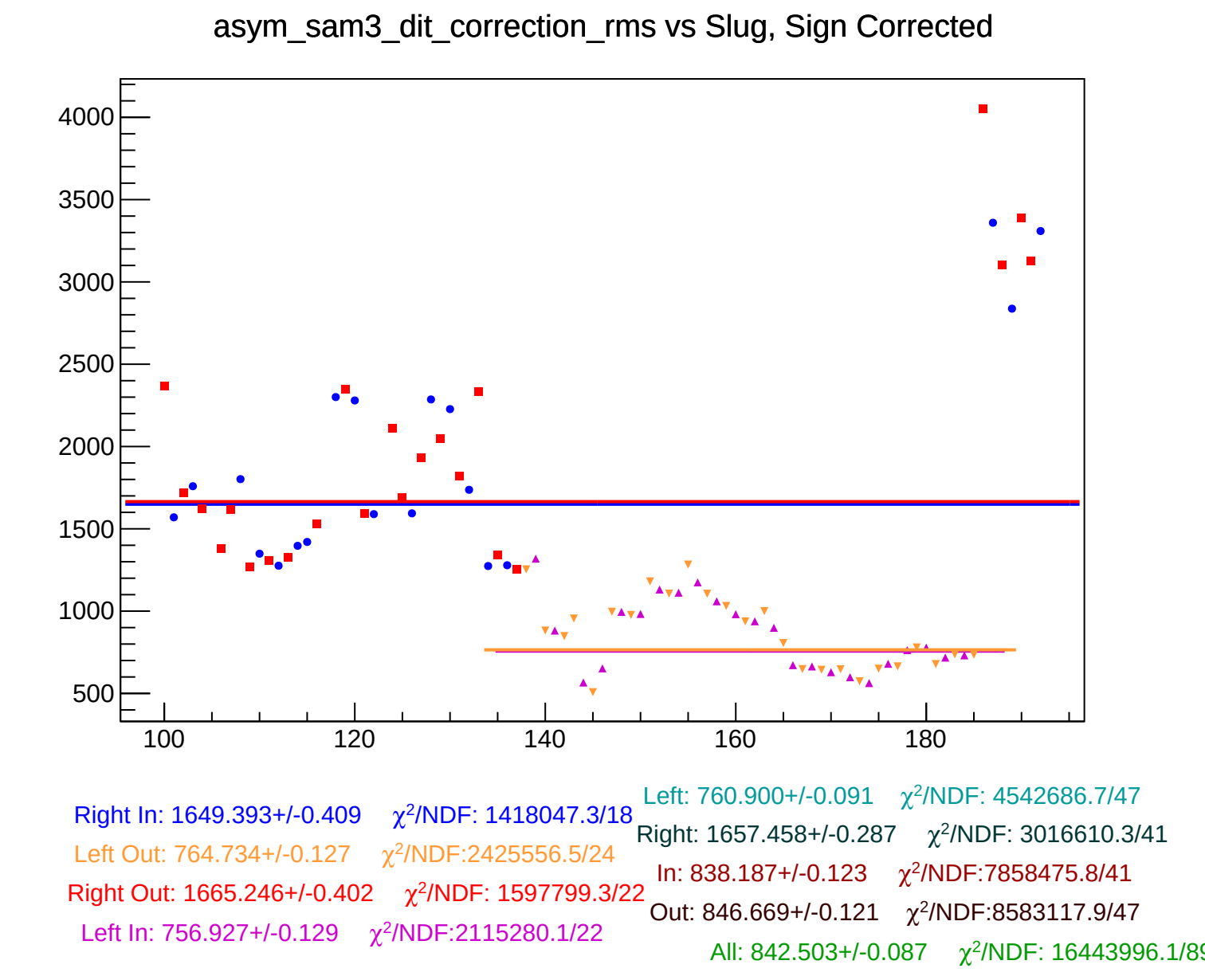
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

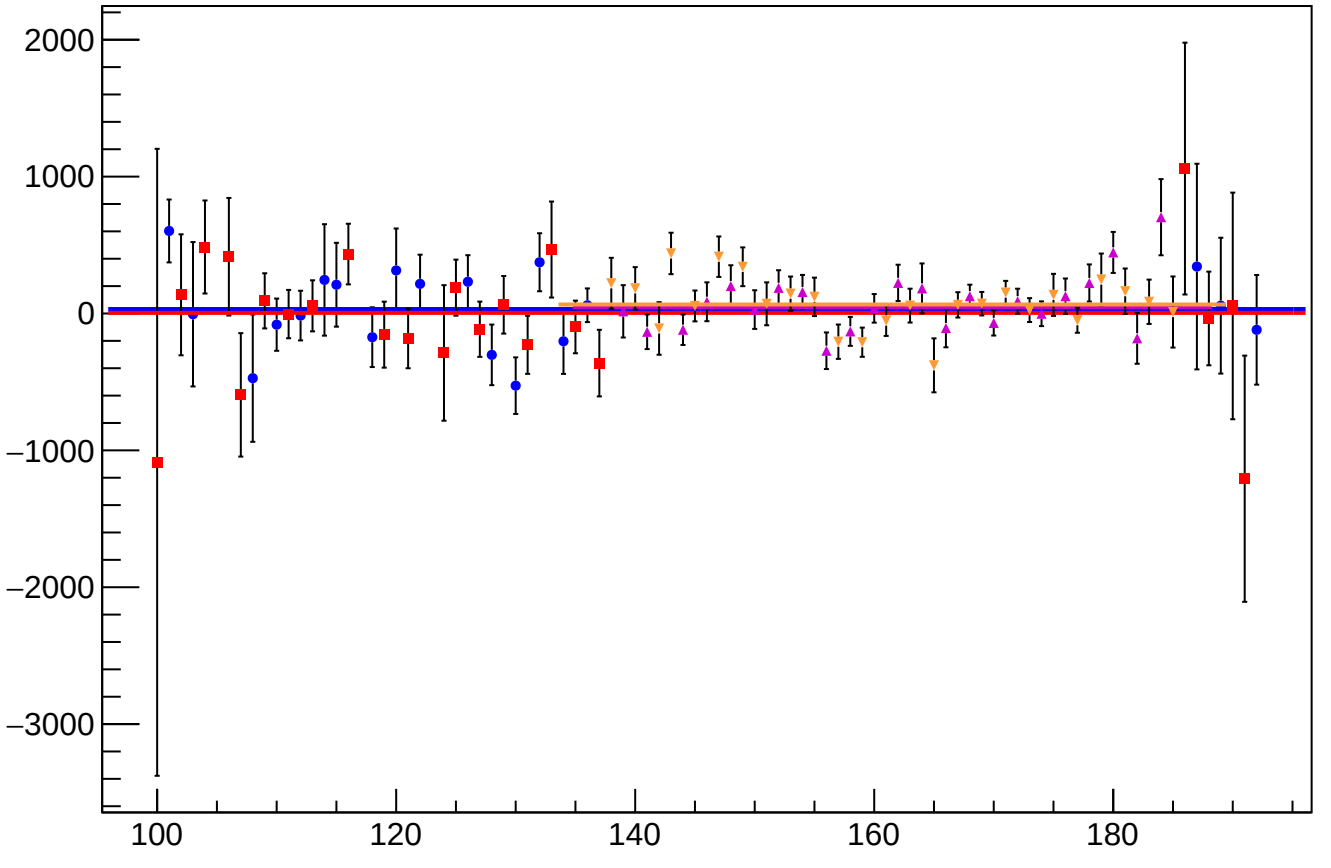
Right: 298.443+/-405.555 χ^2/NDF: 48.9/41

In: 35.815+/-174.590 χ^2/NDF:51.9/41

Out: -602.372+/-171.517 χ^2/NDF:101.3/47

All: -288.944+/-122.353 χ^2/NDF: 160.0/89


asym_sam3_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 1649.393+/-0.409 χ²/NDF: 1418047.3/18
Left Out: 764.734+/-0.127 χ²/NDF:2425556.5/24
Right Out: 1665.246+/-0.402 χ²/NDF: 1597799.3/22
Left In: 756.927+/-0.129 χ²/NDF:2115280.1/22
Left: 760.900+/-0.091 χ²/NDF: 4542686.7/47
Right: 1657.458+/-0.287 χ²/NDF: 3016610.3/41
In: 838.187+/-0.123 χ²/NDF:7858475.8/41
Out: 846.669+/-0.121 χ²/NDF:8583117.9/47
All: 842.503+/-0.087 χ²/NDF: 16443996.1/89



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: 4.446+/-55.026 χ^2/NDF: 20.5/22

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

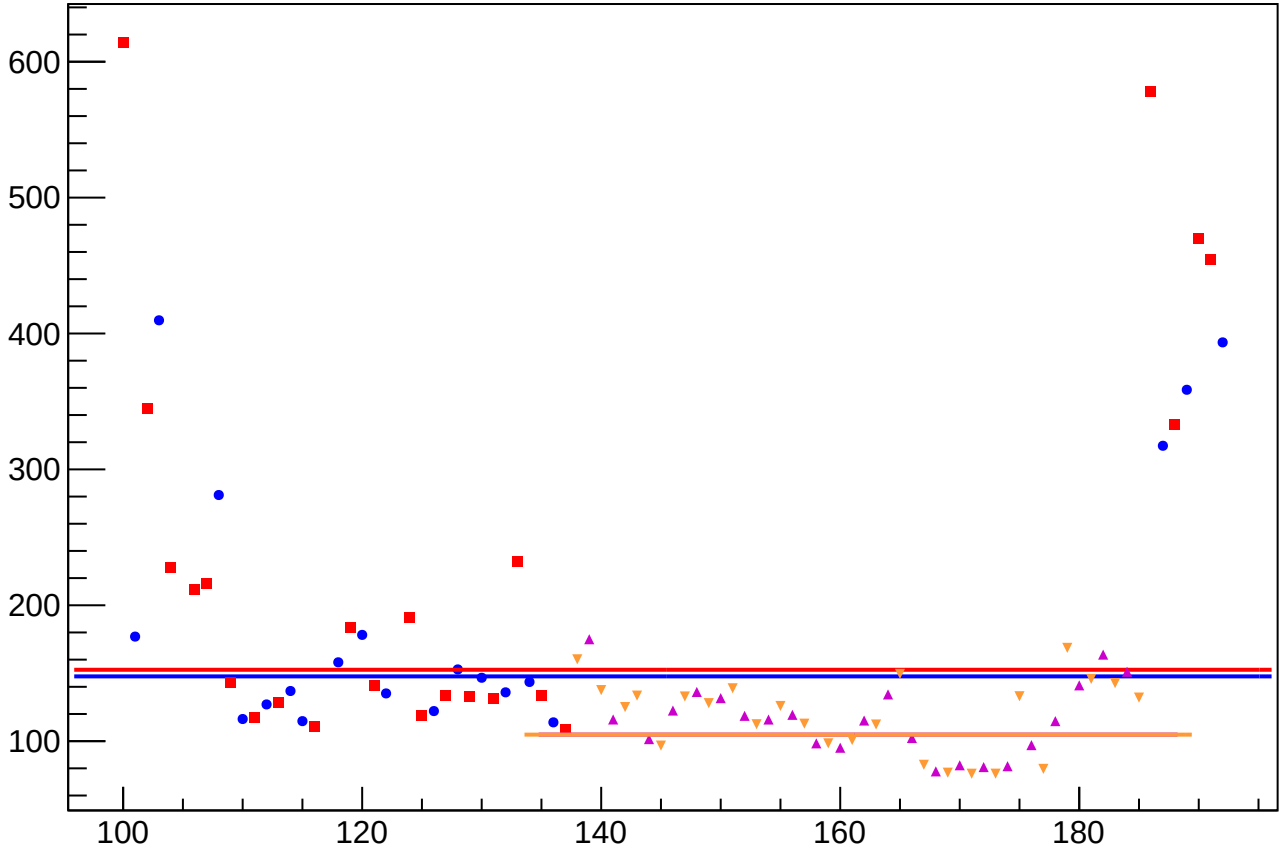
Right: 18.792+/-38.518 χ^2/NDF: 46.1/41

In: 44.363+/-23.198 χ^2/NDF:64.2/41

Out: 55.180+/-22.806 χ^2/NDF:61.5/47

All: 49.864+/-16.263 χ^2/NDF: 125.8/89

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: 152.544+/-0.039 χ^2/NDF: 2672968.8/22

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

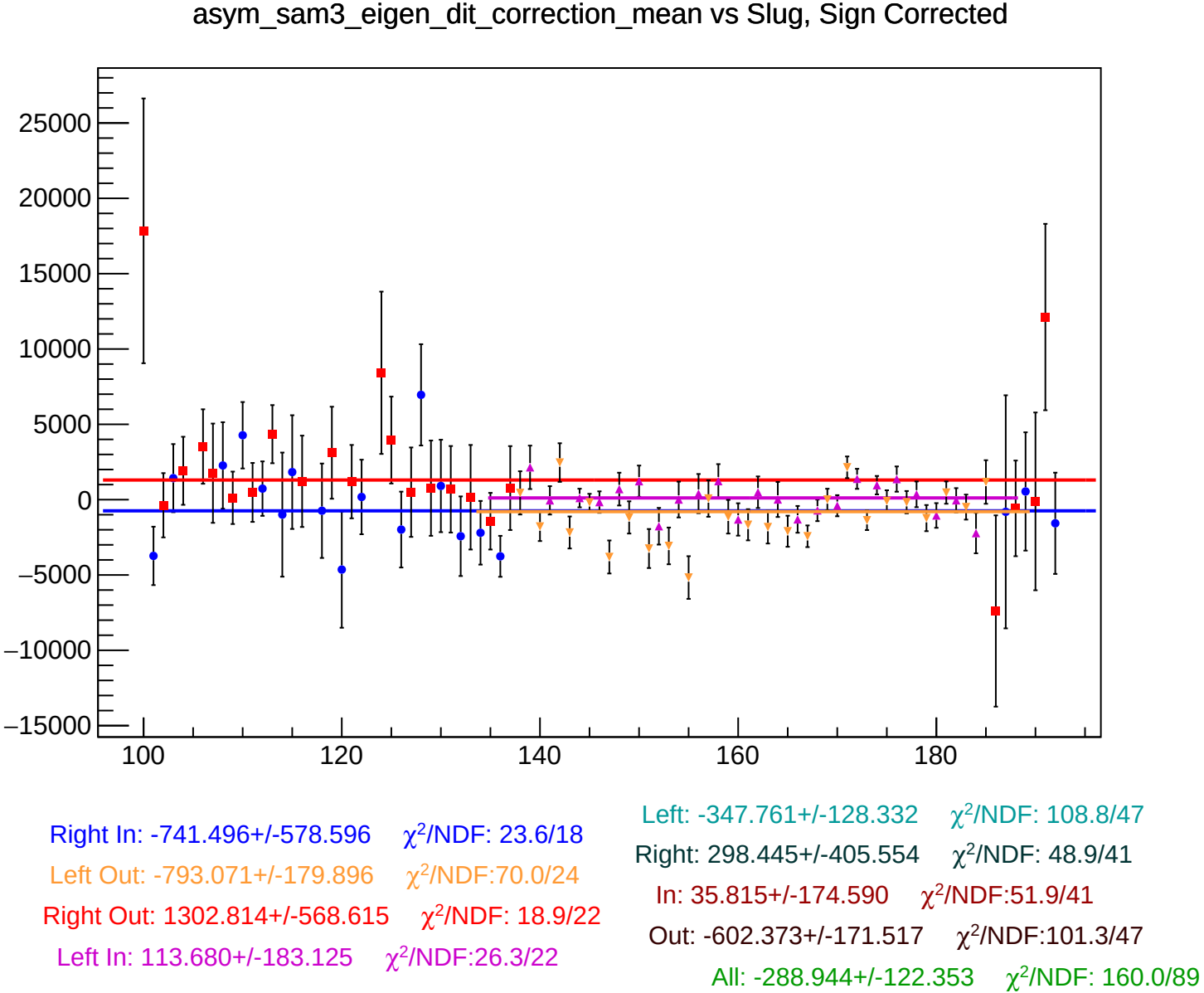
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

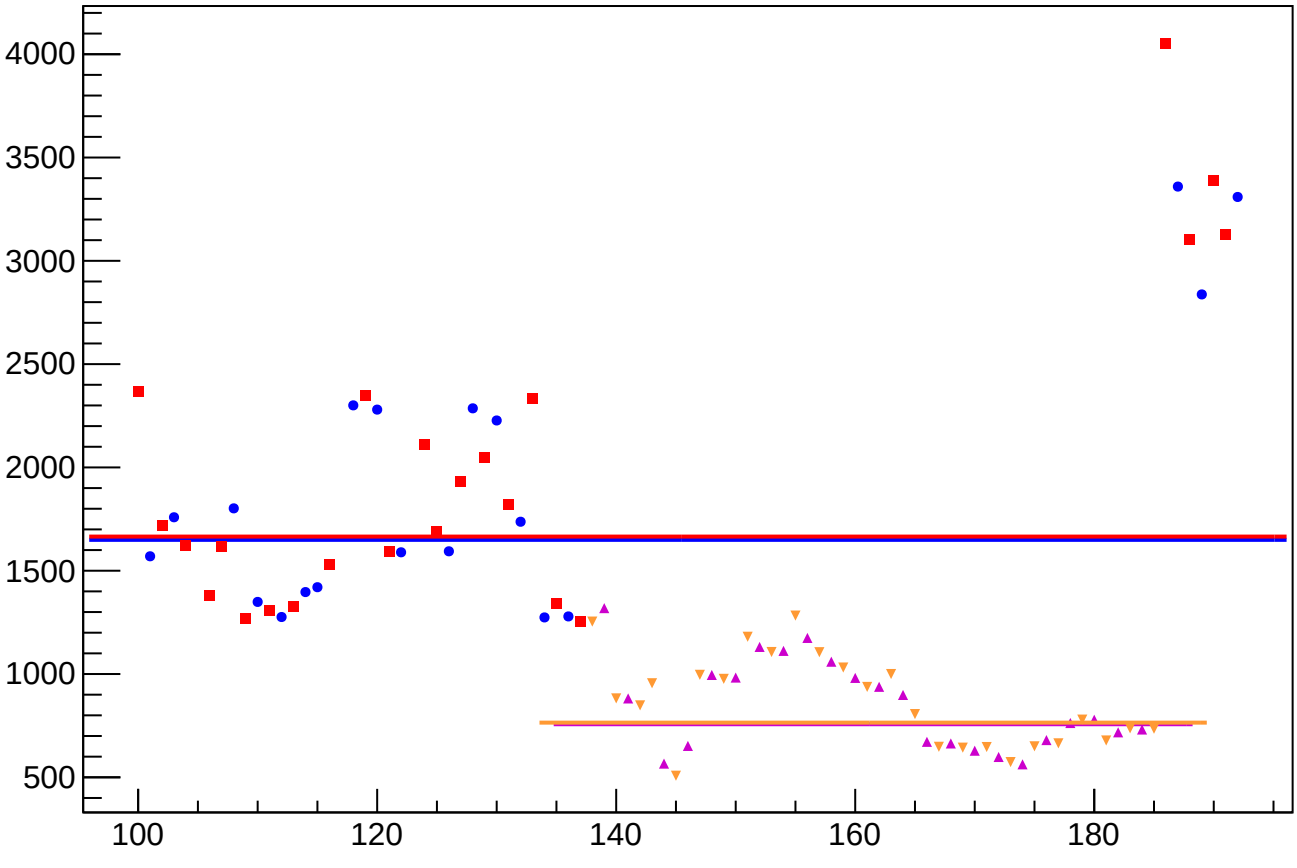
Right: 150.058+/-0.027 χ^2/NDF: 4916999.6/41

In: 112.759+/-0.016 χ^2/NDF:4878585.1/41

Out: 113.010+/-0.016 χ^2/NDF:6162302.8/47

All: 112.886+/-0.011 χ^2/NDF: 11041007.0/89


asym_sam3_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: -741.496+/-578.596 χ²/NDF: 23.6/18
Left Out: -793.071+/-179.896 χ²/NDF:70.0/24
Right Out: 1302.814+/-568.615 χ²/NDF: 18.9/22
Left In: 113.680+/-183.125 χ²/NDF:26.3/22
Left: -347.761+/-128.332 χ²/NDF: 108.8/47
Right: 298.445+/-405.554 χ²/NDF: 48.9/41
In: 35.815+/-174.590 χ²/NDF:51.9/41
Out: -602.373+/-171.517 χ²/NDF:101.3/47
All: -288.944+/-122.353 χ²/NDF: 160.0/89



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: 1665.244+/-0.402 χ^2/NDF: 1597797.4/22

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

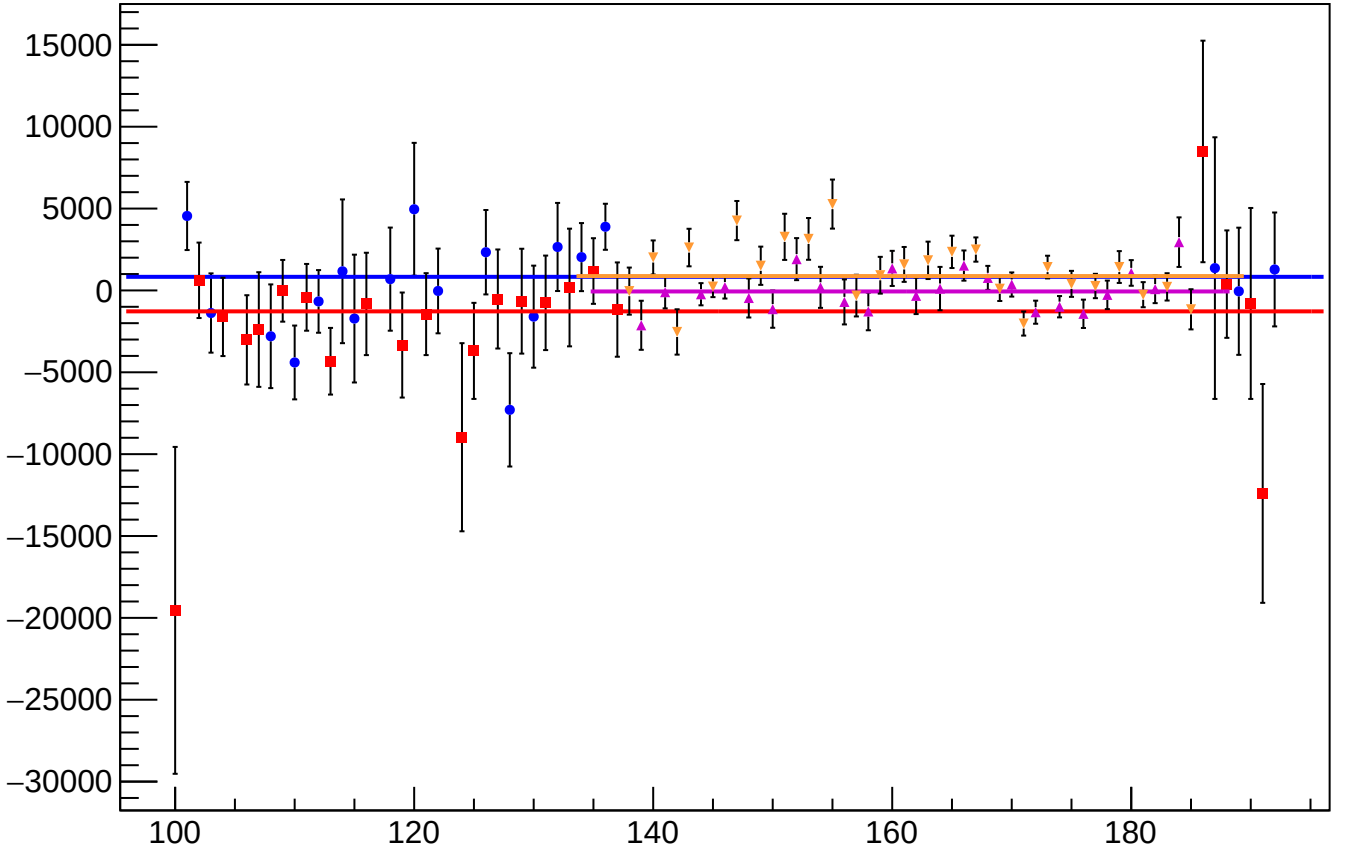
Right: 1657.456+/-0.287 χ^2/NDF: 3016607.9/41

In: 838.186+/-0.123 χ^2/NDF:7858469.1/41

Out: 846.668+/-0.121 χ^2/NDF:8583104.4/47

All: 842.502+/-0.087 χ^2/NDF: 16443975.9/89

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: -1278.920+/-597.804 χ^2/NDF: 17.2/22

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

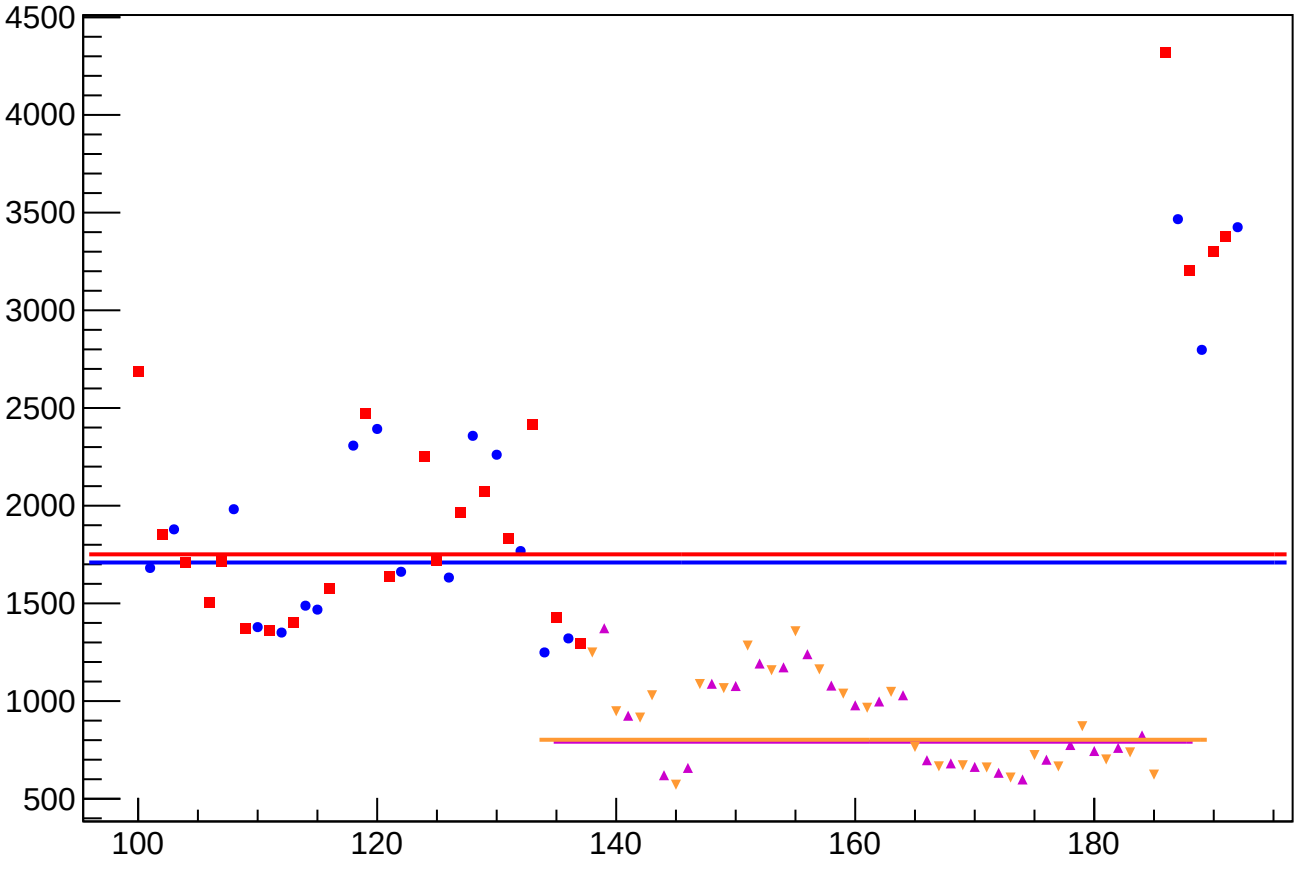
Right: -228.315+/-423.541 χ^2/NDF: 48.4/41

In: 19.871+/-182.521 χ^2/NDF:54.1/41

Out: 680.619+/-180.207 χ^2/NDF:96.3/47

All: 354.461+/-128.236 χ^2/NDF: 157.1/89

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: 1751.003+/-0.423 χ^2/NDF: 1520913.8/22

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

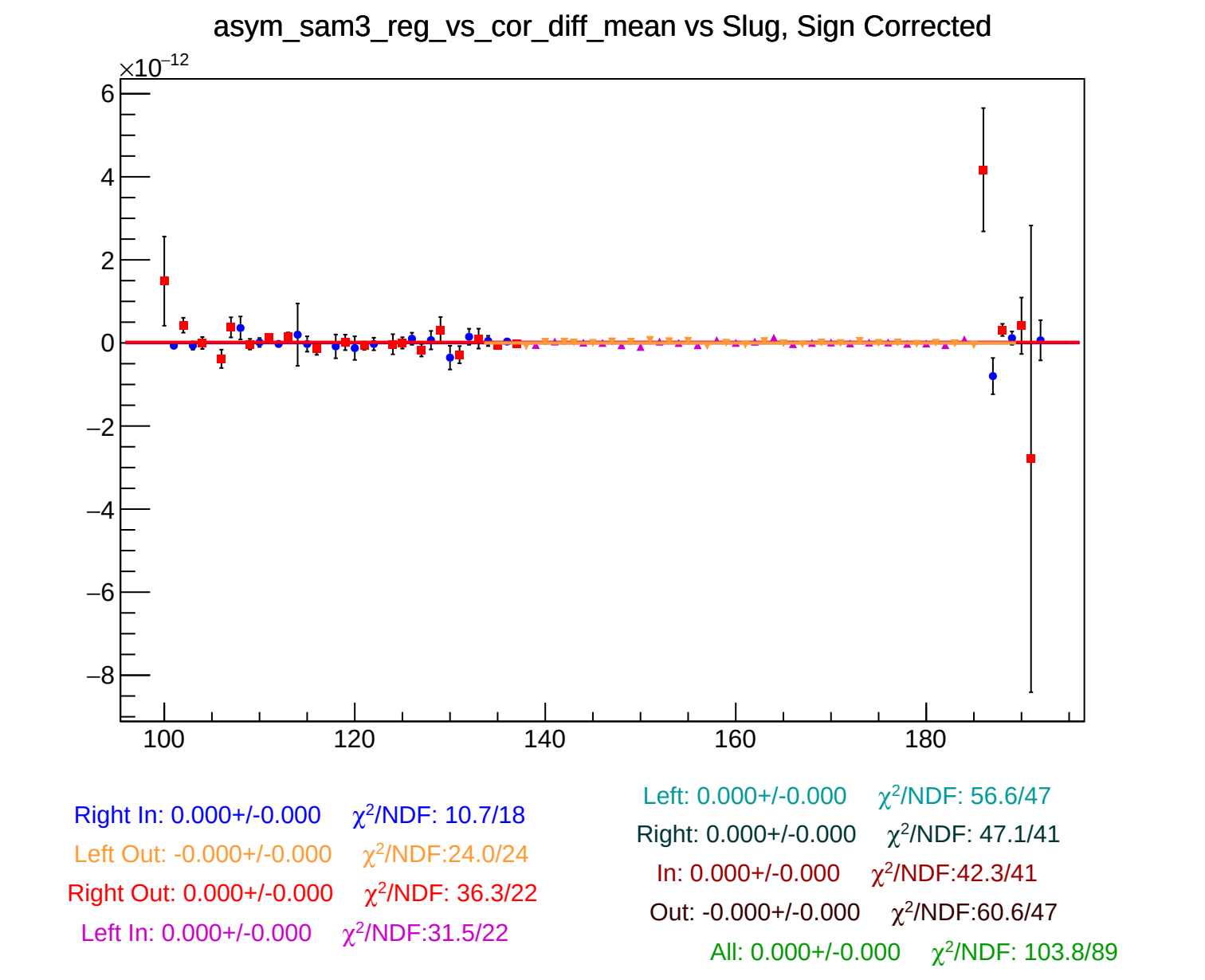
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

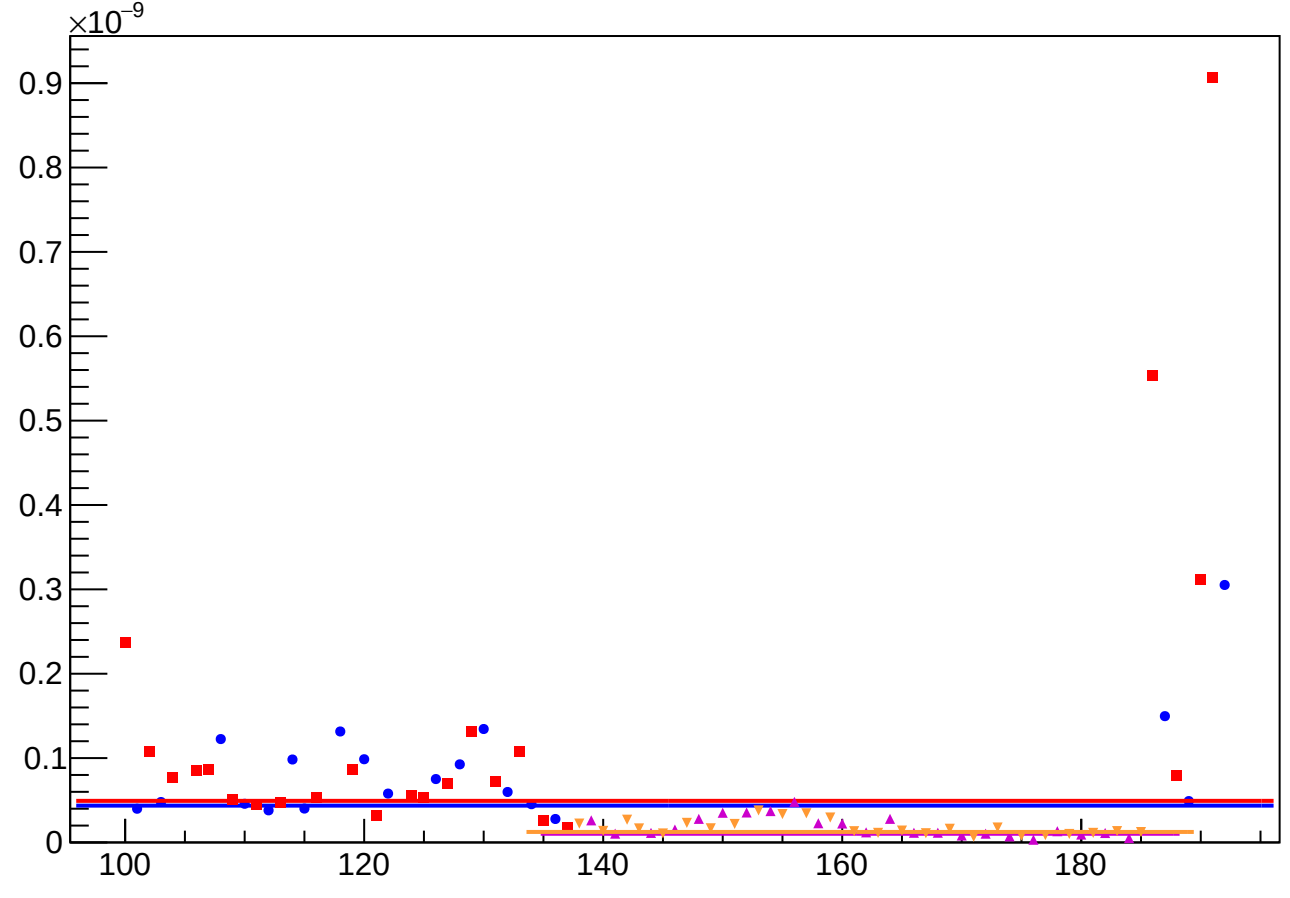
Right: 1730.217+/-0.299 χ^2/NDF: 2933205.1/41

In: 876.893+/-0.129 χ^2/NDF:7782220.4/41

Out: 888.250+/-0.127 χ^2/NDF:8498997.0/47

All: 882.644+/-0.091 χ^2/NDF: 16285138.4/89


asym_sam3_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 10.7/18
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 36.3/22
Left In: 0.000+/-0.000 χ²/NDF:31.5/22
Left: 0.000+/-0.000 χ²/NDF: 56.6/47
Right: 0.000+/-0.000 χ²/NDF: 47.1/41
In: 0.000+/-0.000 χ²/NDF:42.3/41
Out: -0.000+/-0.000 χ²/NDF:60.6/47
All: 0.000+/-0.000 χ²/NDF: 103.8/89



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: 2081712.3/22

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

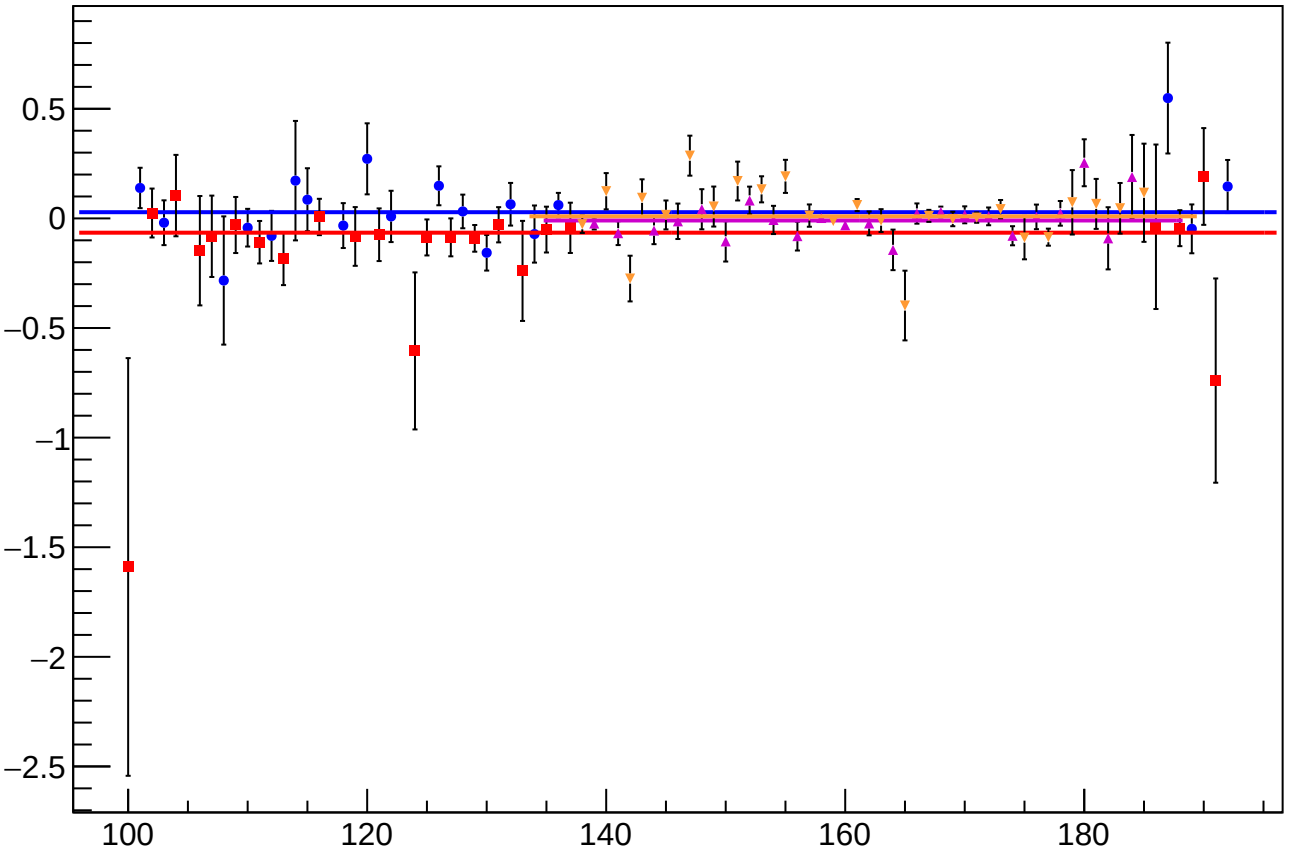
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 3979655.5/41

In: 0.000+/-0.000 χ^2/NDF:8539929.3/41

Out: 0.000+/-0.000 χ^2/NDF:7284783.4/47

All: 0.000+/-0.000 χ^2/NDF: 16015041.2/89



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: -0.065+/-0.024 χ^2/NDF: 13.1/22

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

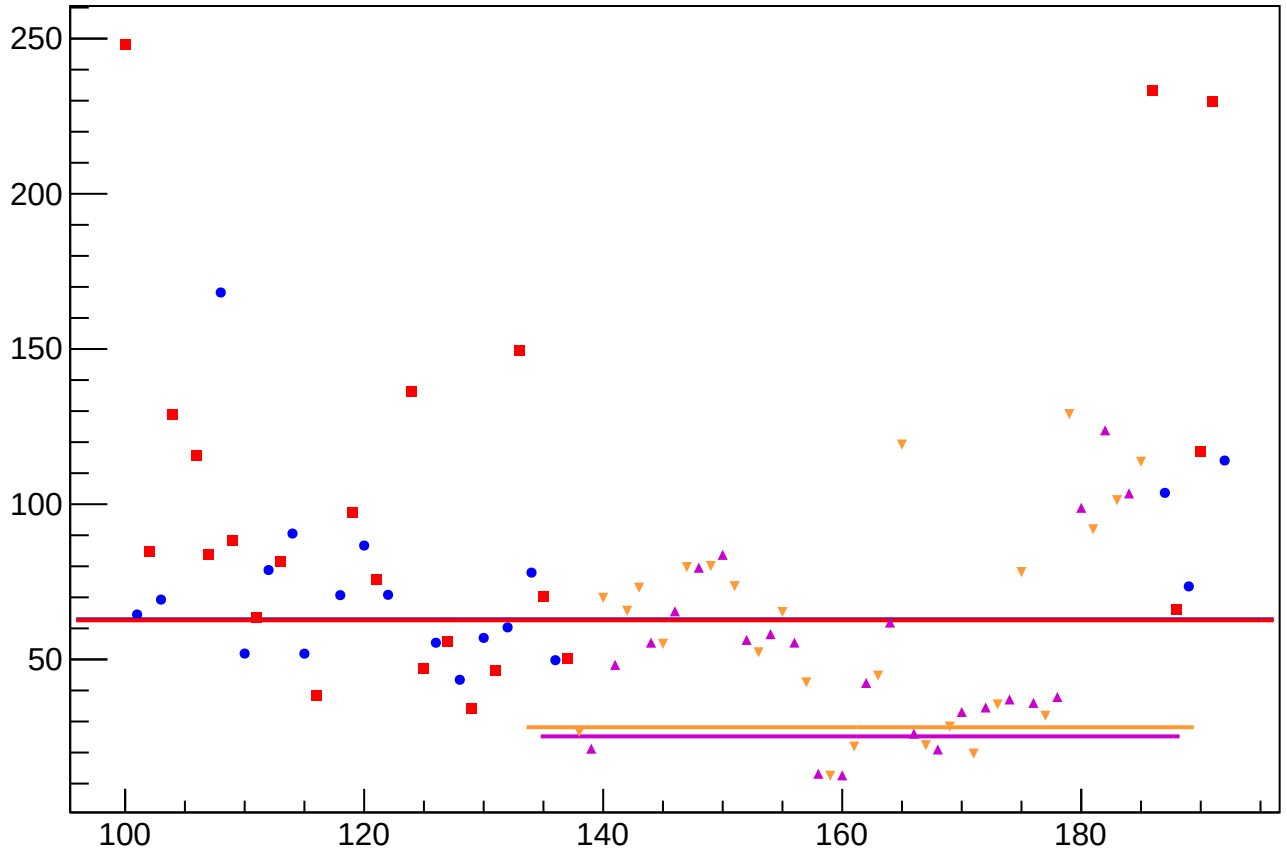
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.018+/-0.017 χ^2/NDF: 42.1/41

In: -0.006+/-0.008 χ^2/NDF:48.7/41

Out: 0.001+/-0.008 χ^2/NDF:76.5/47

All: -0.002+/-0.005 χ^2/NDF: 125.6/89



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: 62.602+/-0.017 χ^2/NDF: 2791729.0/22

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

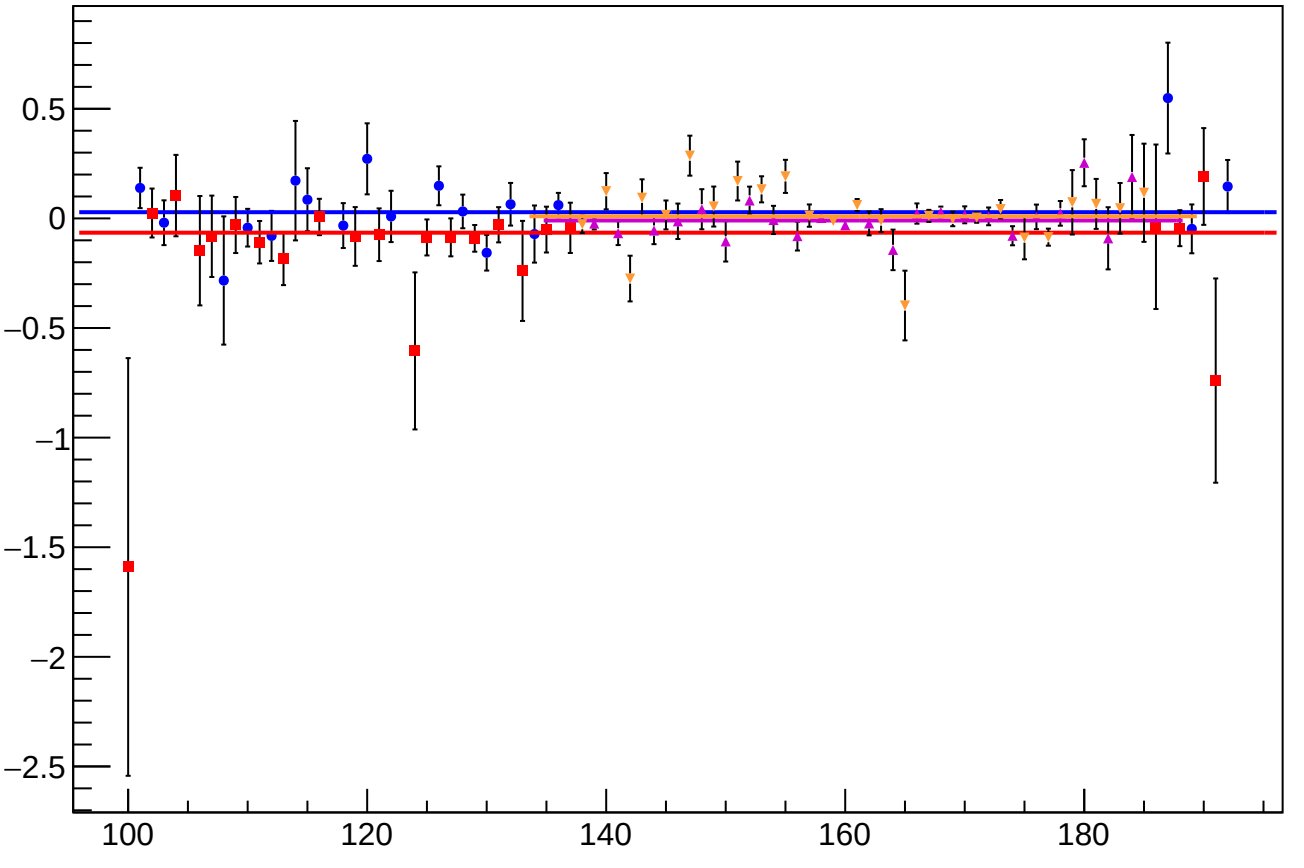
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 62.755+/-0.012 χ^2/NDF: 3948833.0/41

In: 29.047+/-0.005 χ^2/NDF:15733558.9/41

Out: 31.976+/-0.006 χ^2/NDF:17546502.7/47

All: 30.424+/-0.004 χ^2/NDF: 33423040.0/89



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: -0.065+/-0.024 χ^2/NDF: 13.1/22

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

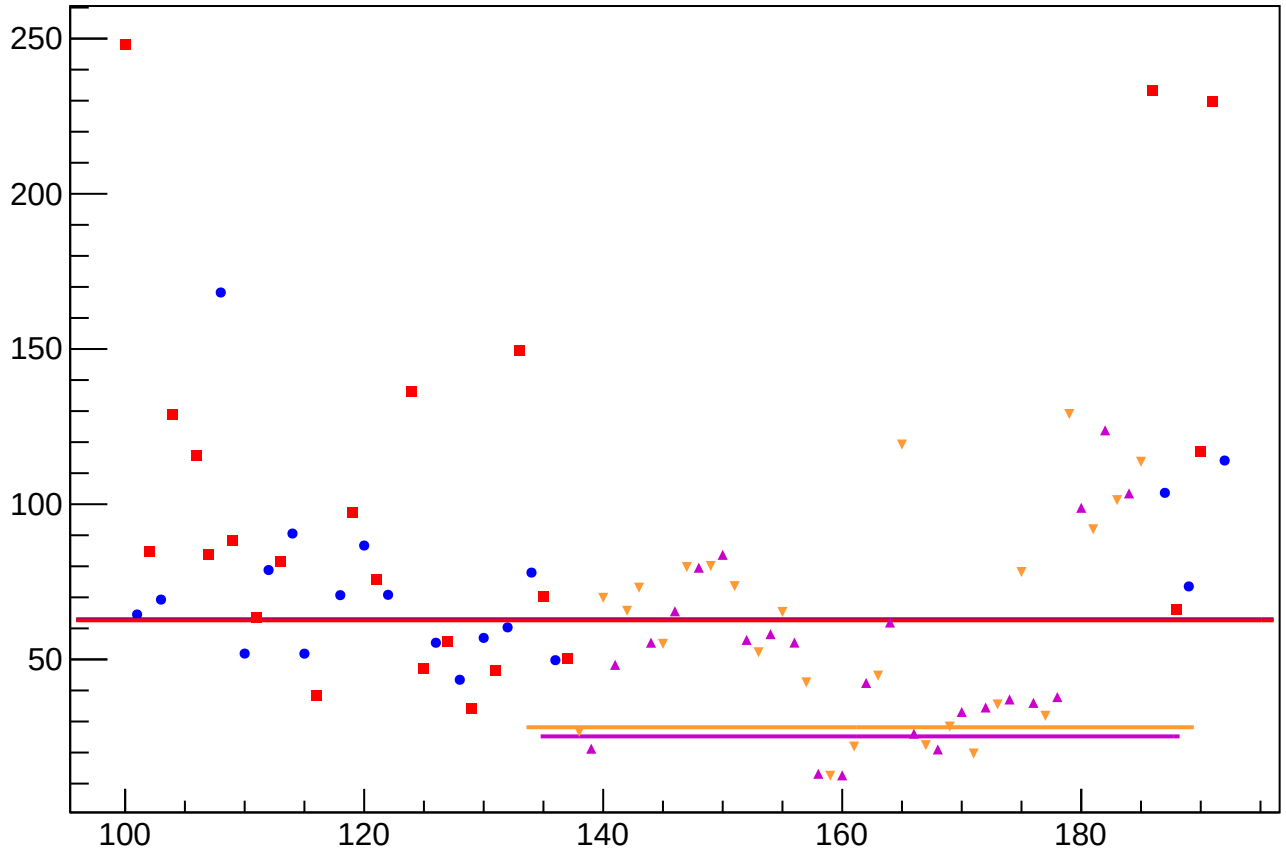
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.018+/-0.017 χ^2/NDF: 42.1/41

In: -0.006+/-0.008 χ^2/NDF:48.7/41

Out: 0.001+/-0.008 χ^2/NDF:76.5/47

All: -0.002+/-0.005 χ^2/NDF: 125.6/89



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: 62.602+/-0.017 χ^2/NDF: 2791729.0/22

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

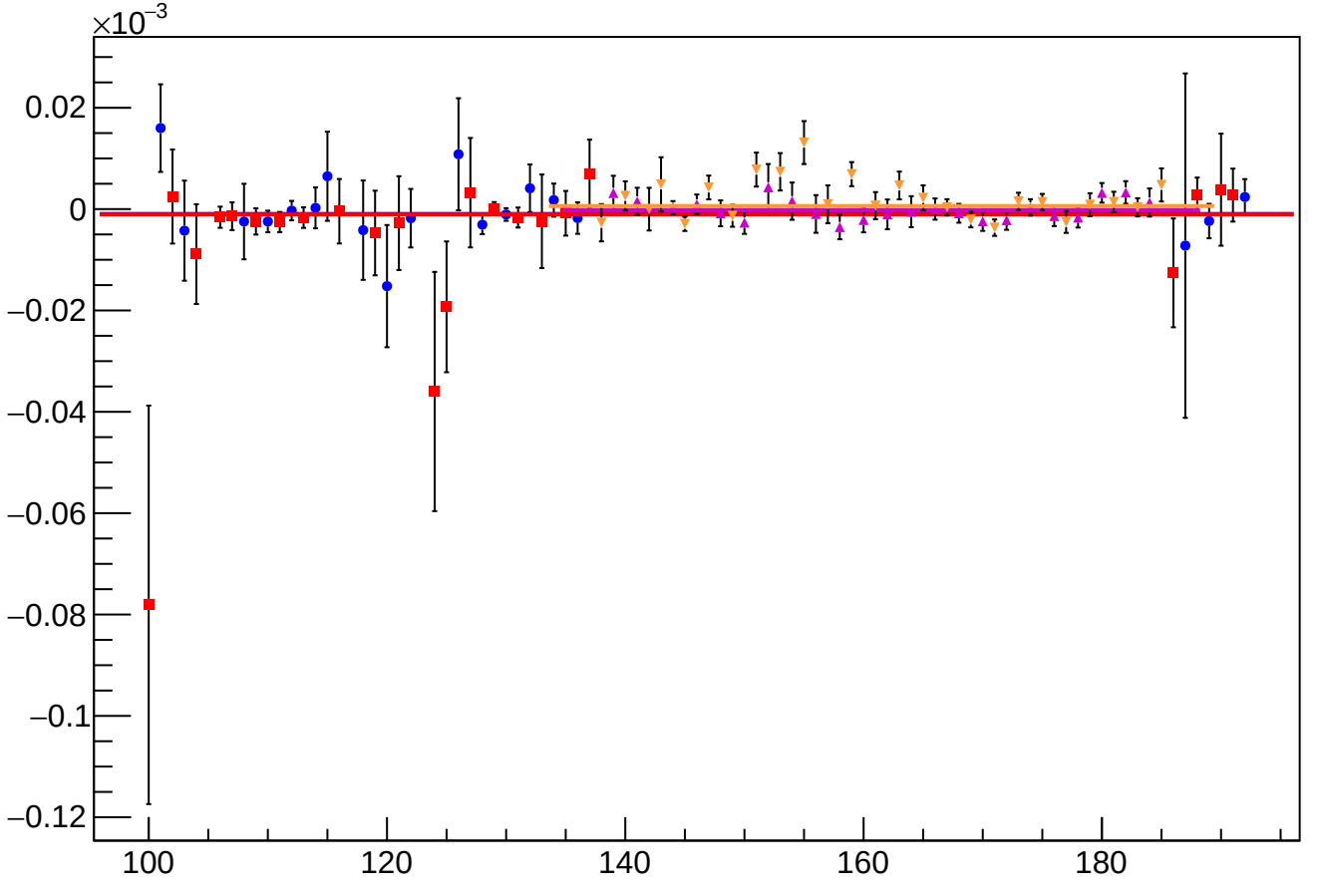
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 62.755+/-0.012 χ^2/NDF: 3948833.0/41

In: 29.047+/-0.005 χ^2/NDF:15733558.9/41

Out: 31.976+/-0.006 χ^2/NDF:17546502.7/47

All: 30.424+/-0.004 χ^2/NDF: 33423040.0/89



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: 15.8/22

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

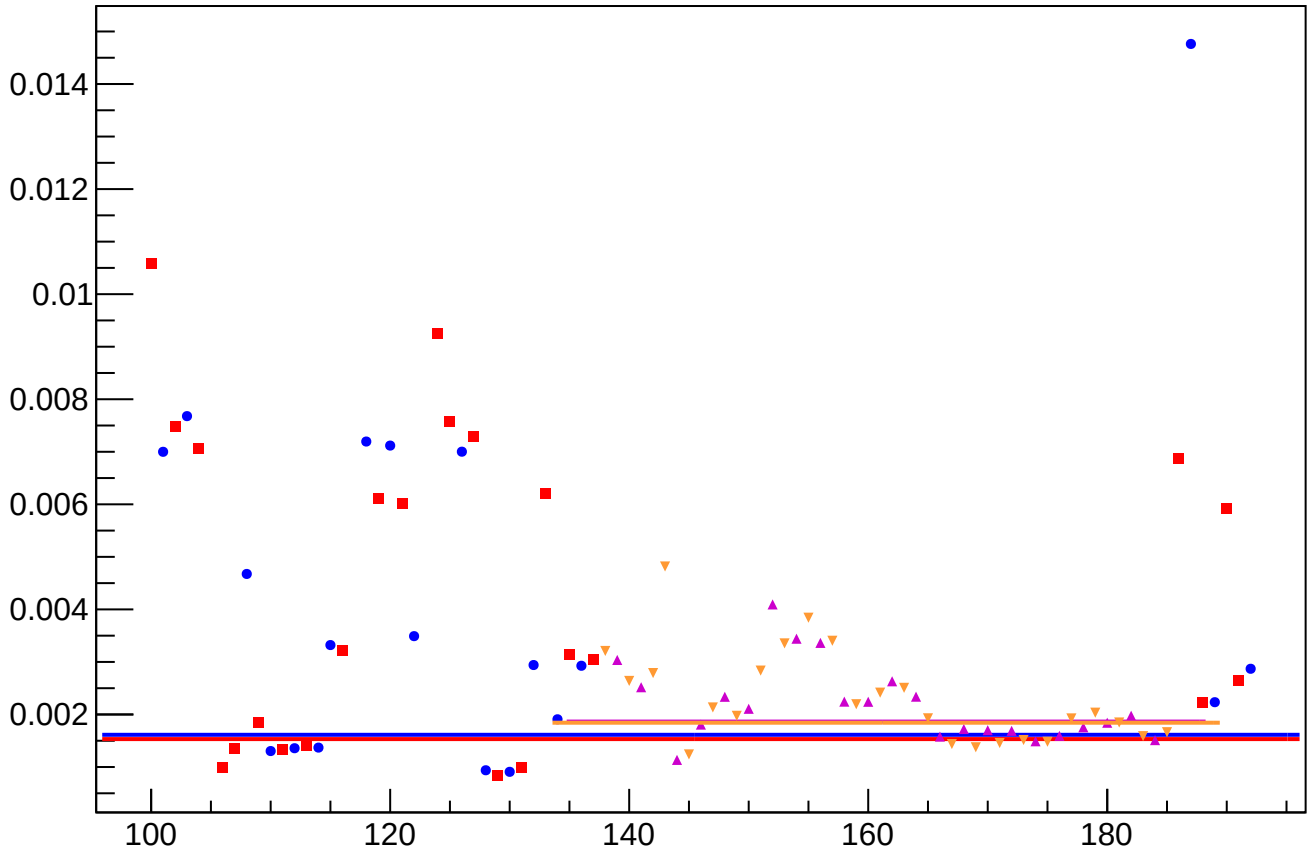
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 28.2/41

In: -0.000+/-0.000 χ^2/NDF:29.6/41

Out: 0.000+/-0.000 χ^2/NDF:72.5/47

All: -0.000+/-0.000 χ^2/NDF: 103.1/89



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: 6812164.0/22

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

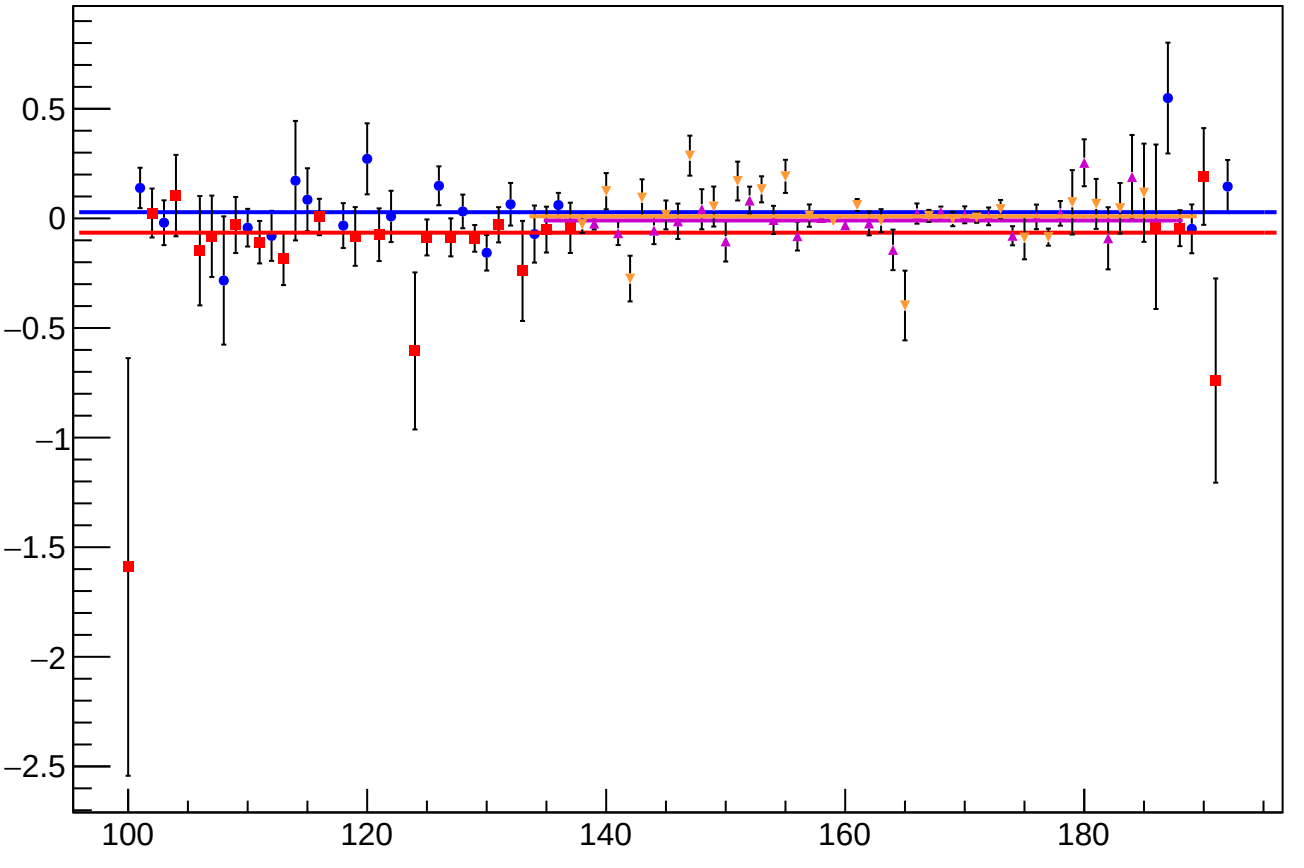
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 12656700.5/41

In: 0.002+/-0.000 χ^2/NDF:8803341.1/41

Out: 0.002+/-0.000 χ^2/NDF:10892761.7/47

All: 0.002+/-0.000 χ^2/NDF: 19707997.6/89



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: -0.065+/-0.024 χ^2/NDF: 13.1/22

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

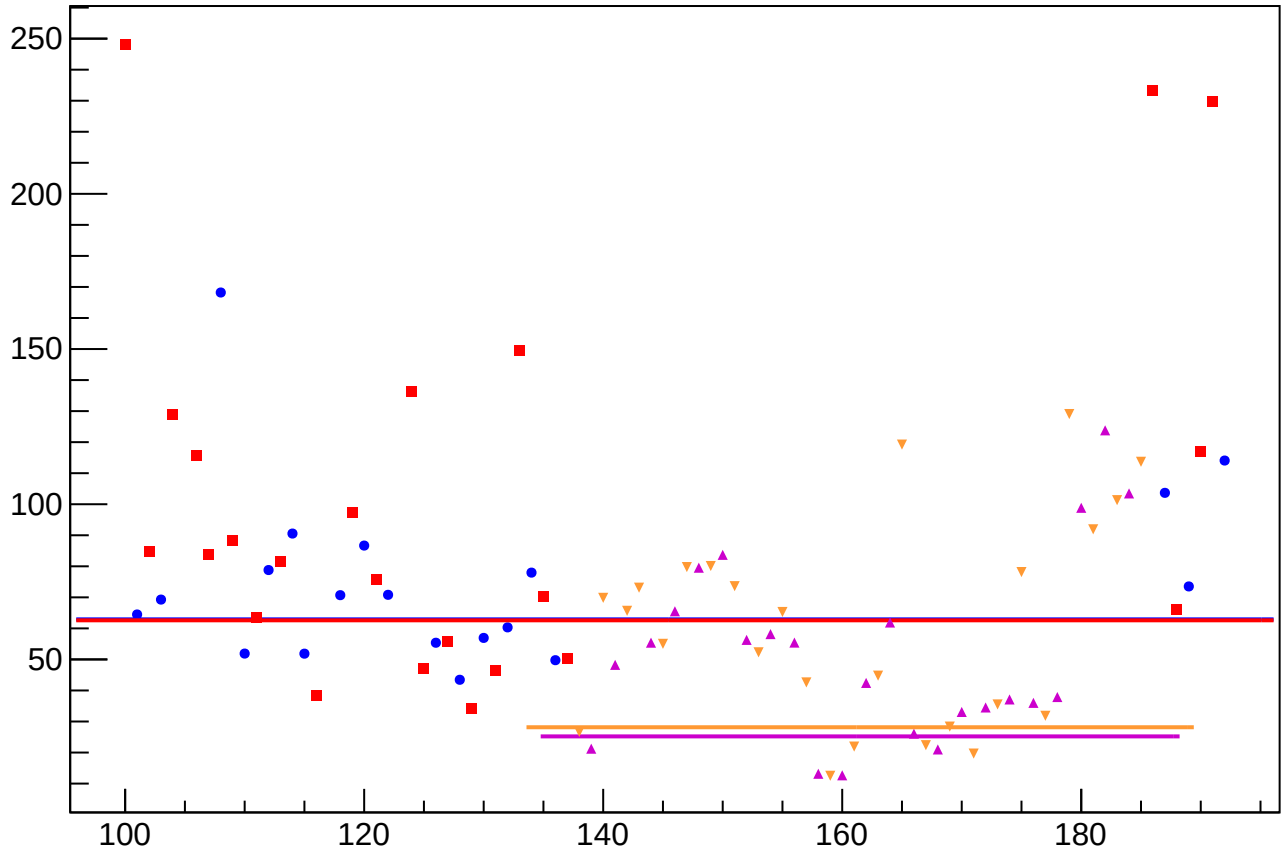
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.018+/-0.017 χ^2/NDF: 42.1/41

In: -0.006+/-0.008 χ^2/NDF:48.7/41

Out: 0.001+/-0.008 χ^2/NDF:76.5/47

All: -0.002+/-0.005 χ^2/NDF: 125.6/89



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: 62.603+/-0.017 χ^2/NDF: 2791795.4/22

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

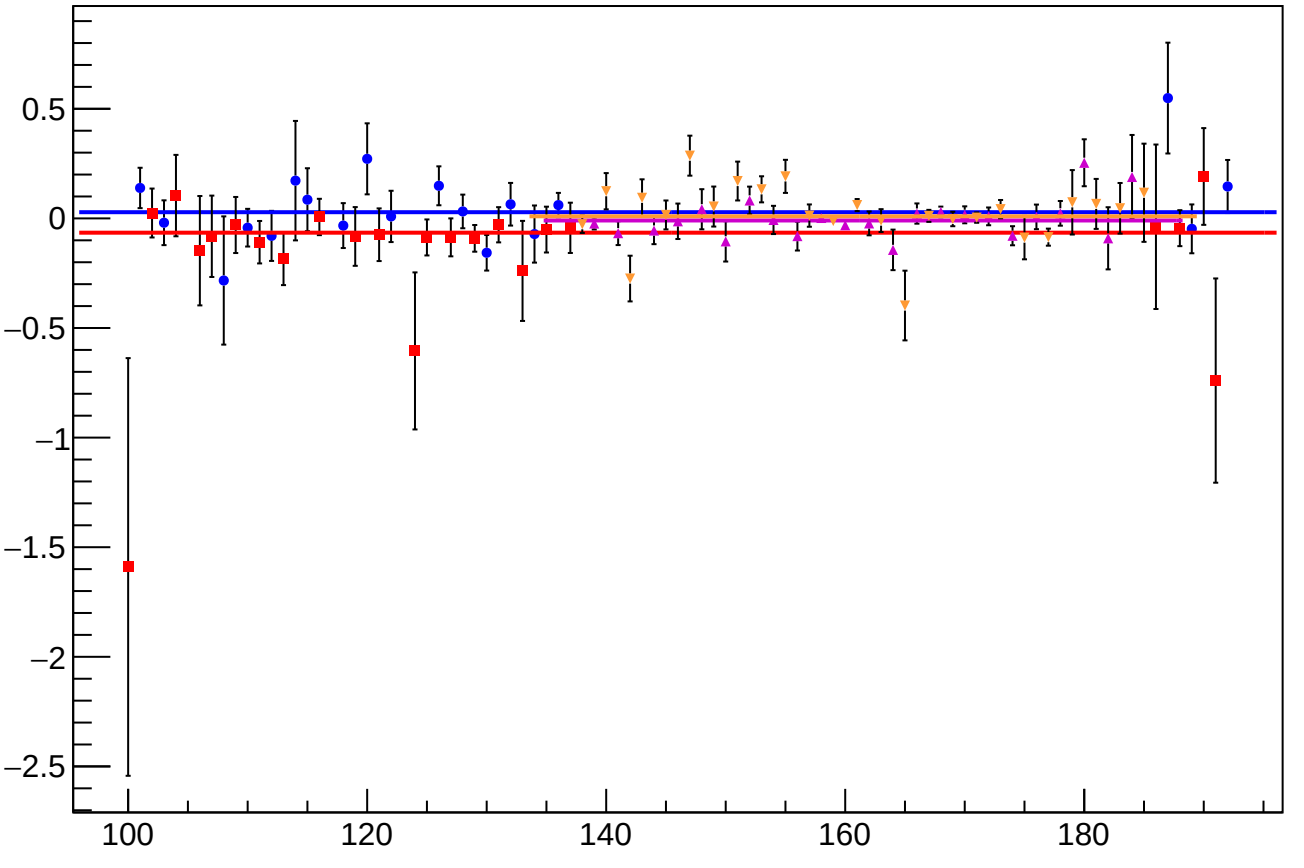
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 62.756+/-0.012 χ^2/NDF: 3948957.0/41

In: 29.047+/-0.005 χ^2/NDF:15734278.0/41

Out: 31.975+/-0.006 χ^2/NDF:17548027.9/47

All: 30.423+/-0.004 χ^2/NDF: 33425207.9/89



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: -0.065+/-0.024 χ^2/NDF: 13.1/22

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

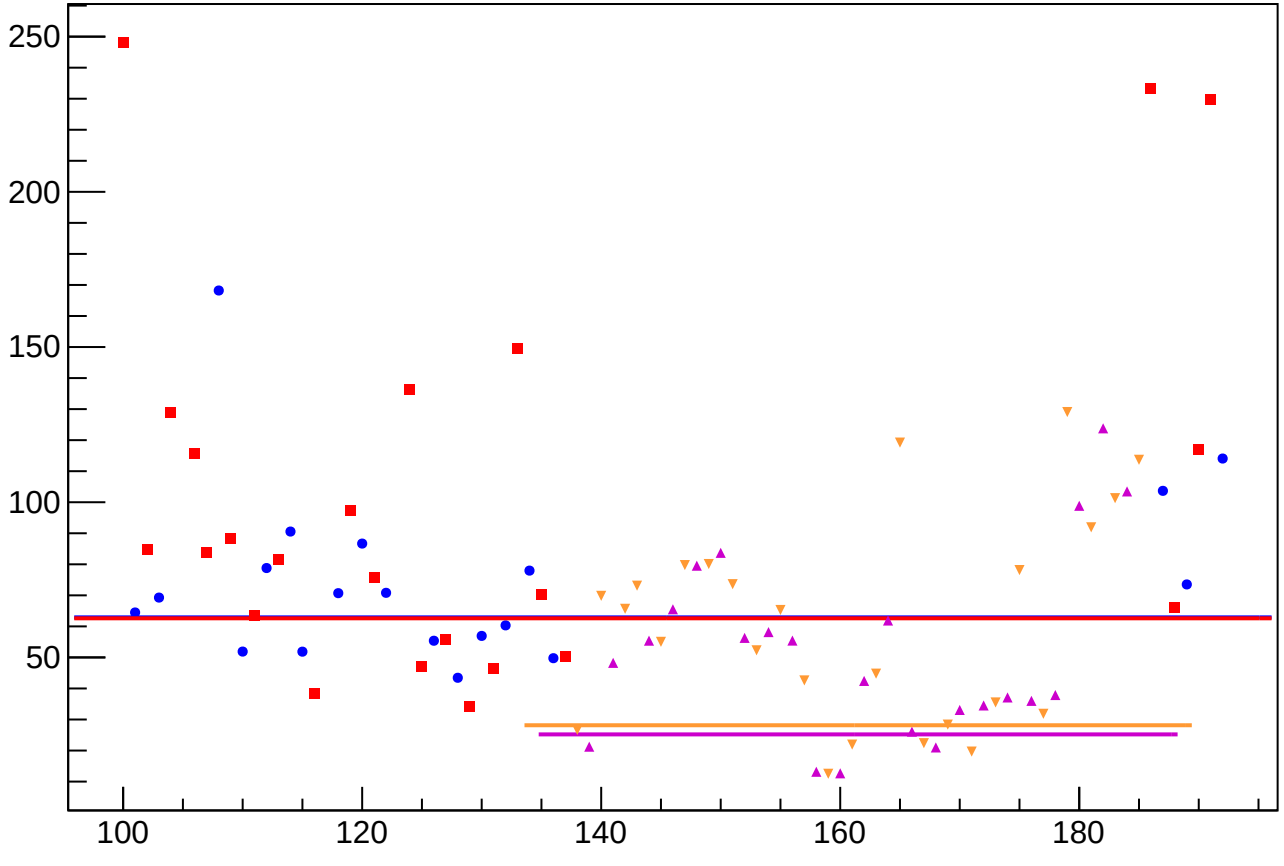
Right: -0.018+/-0.017 χ^2/NDF: 42.1/41

In: -0.006+/-0.008 χ^2/NDF:48.7/41

Out: 0.001+/-0.008 χ^2/NDF:76.5/47

All: -0.002+/-0.005 χ^2/NDF: 125.6/89

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: 62.603+/-0.017 χ^2/NDF: 2791795.4/22

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

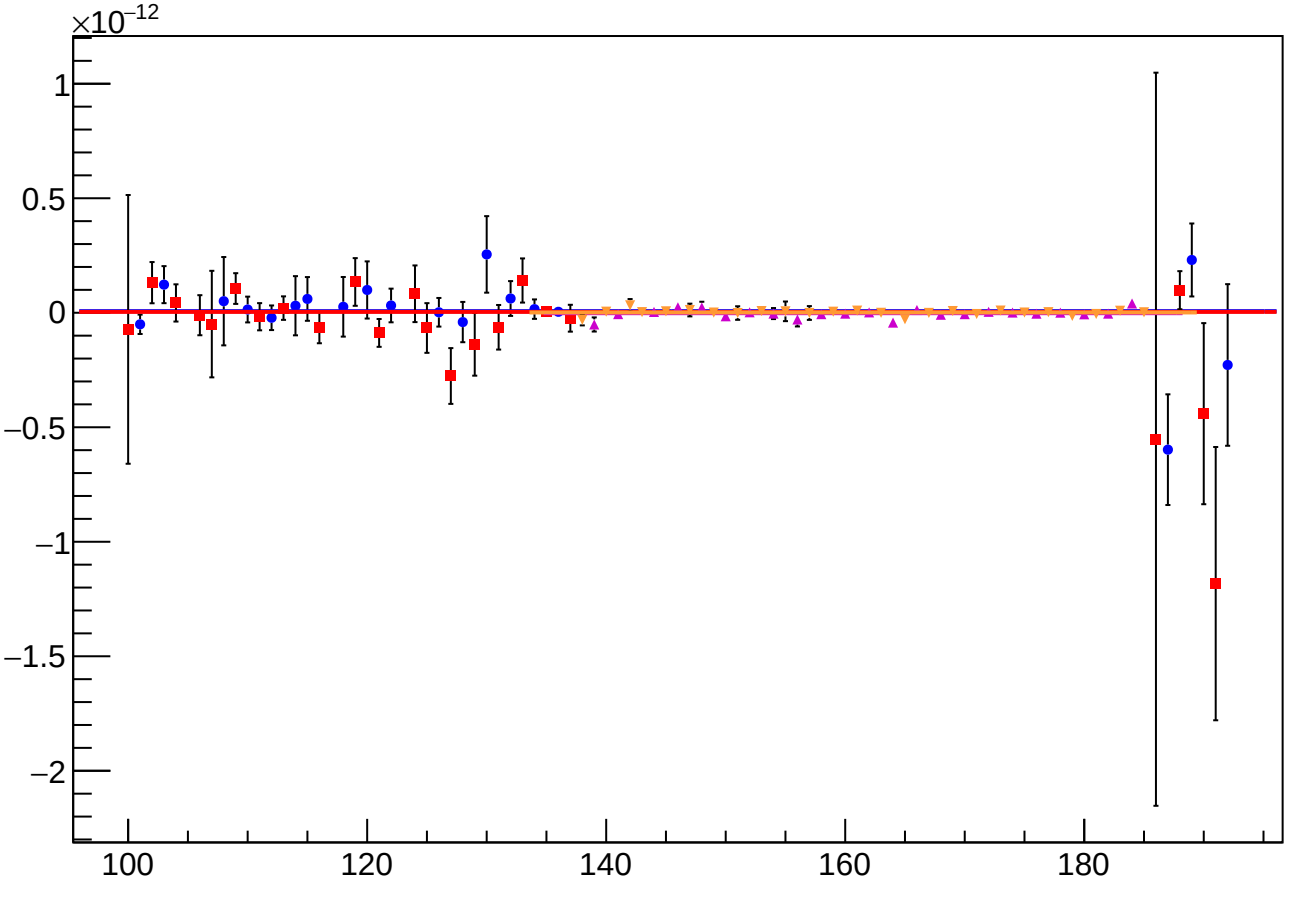
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 62.756+/-0.012 χ^2/NDF: 3948957.0/41

In: 29.047+/-0.005 χ^2/NDF:15734278.0/41

Out: 31.975+/-0.006 χ^2/NDF:17548027.9/47

All: 30.423+/-0.004 χ^2/NDF: 33425207.9/89



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: 26.3/22

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

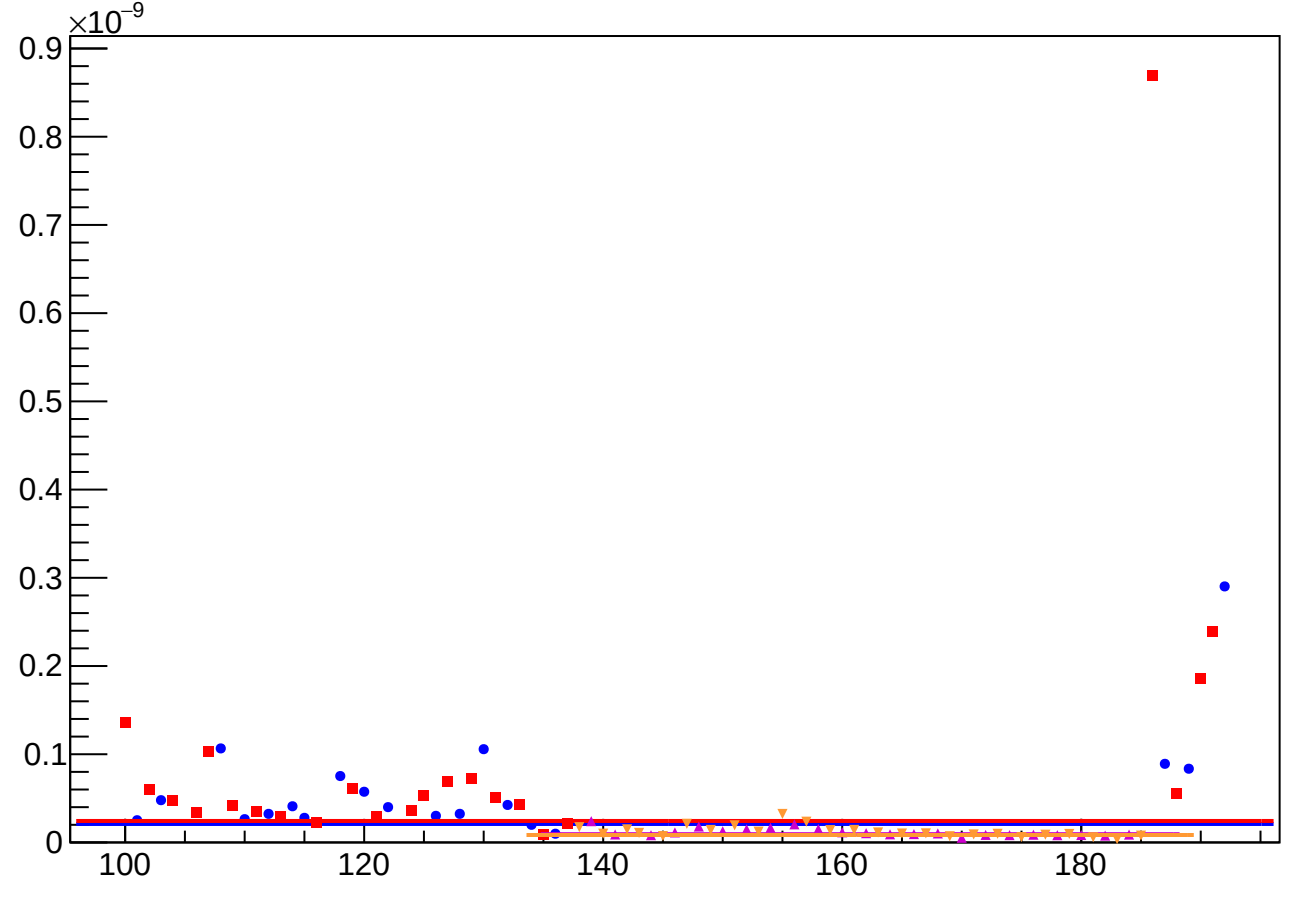
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 43.4/41

In: -0.000+/-0.000 χ^2/NDF:38.4/41

Out: 0.000+/-0.000 χ^2/NDF:37.6/47

All: 0.000+/-0.000 χ^2/NDF: 76.5/89



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: 4971566.1/22

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

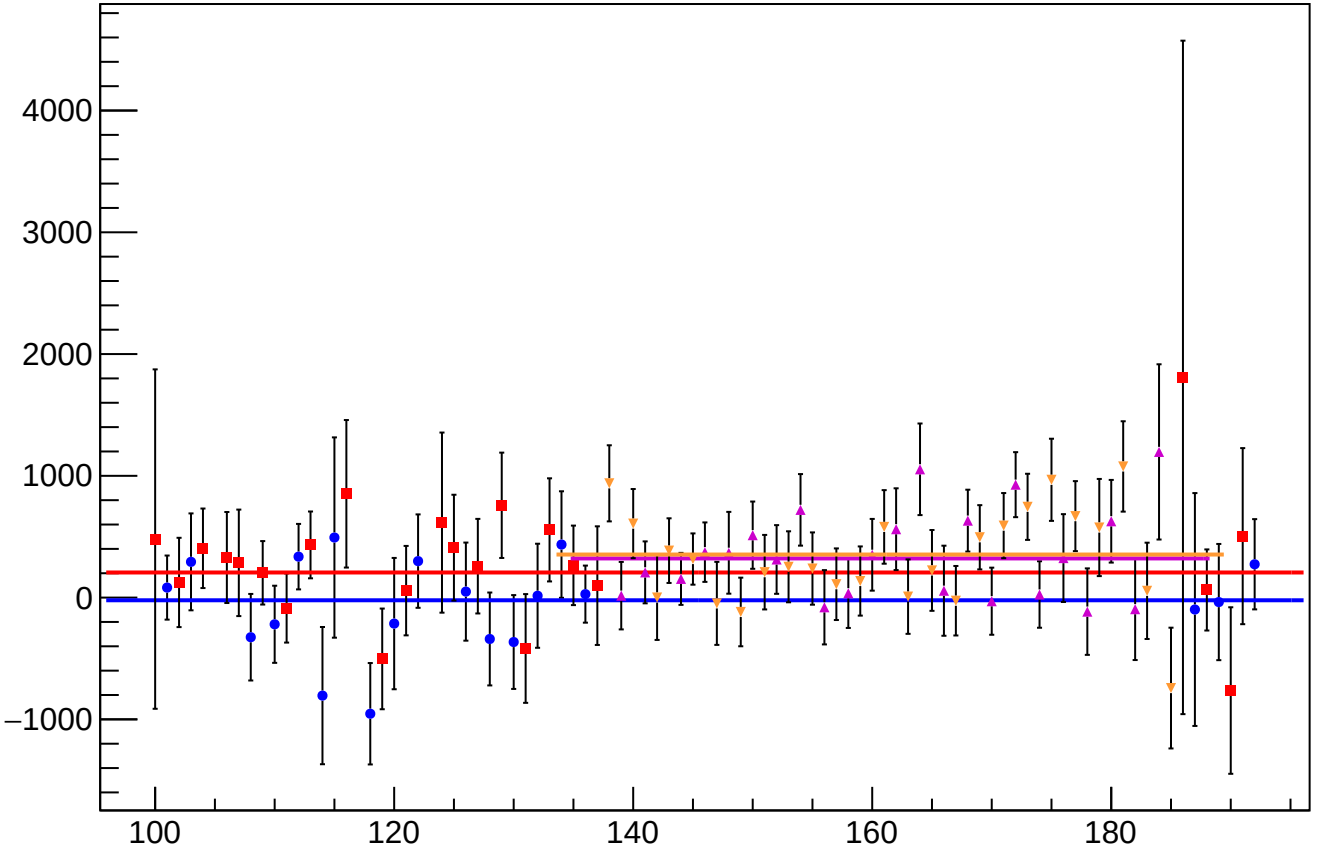
Right: 0.000+/-0.000 χ^2/NDF: 9807376.1/41

In: 0.000+/-0.000 χ^2/NDF:8638857.3/41

Out: 0.000+/-0.000 χ^2/NDF:12040222.3/47

All: 0.000+/-0.000 χ^2/NDF: 20791987.9/89

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: 206.176+/-83.741 χ^2/NDF: 14.2/22

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

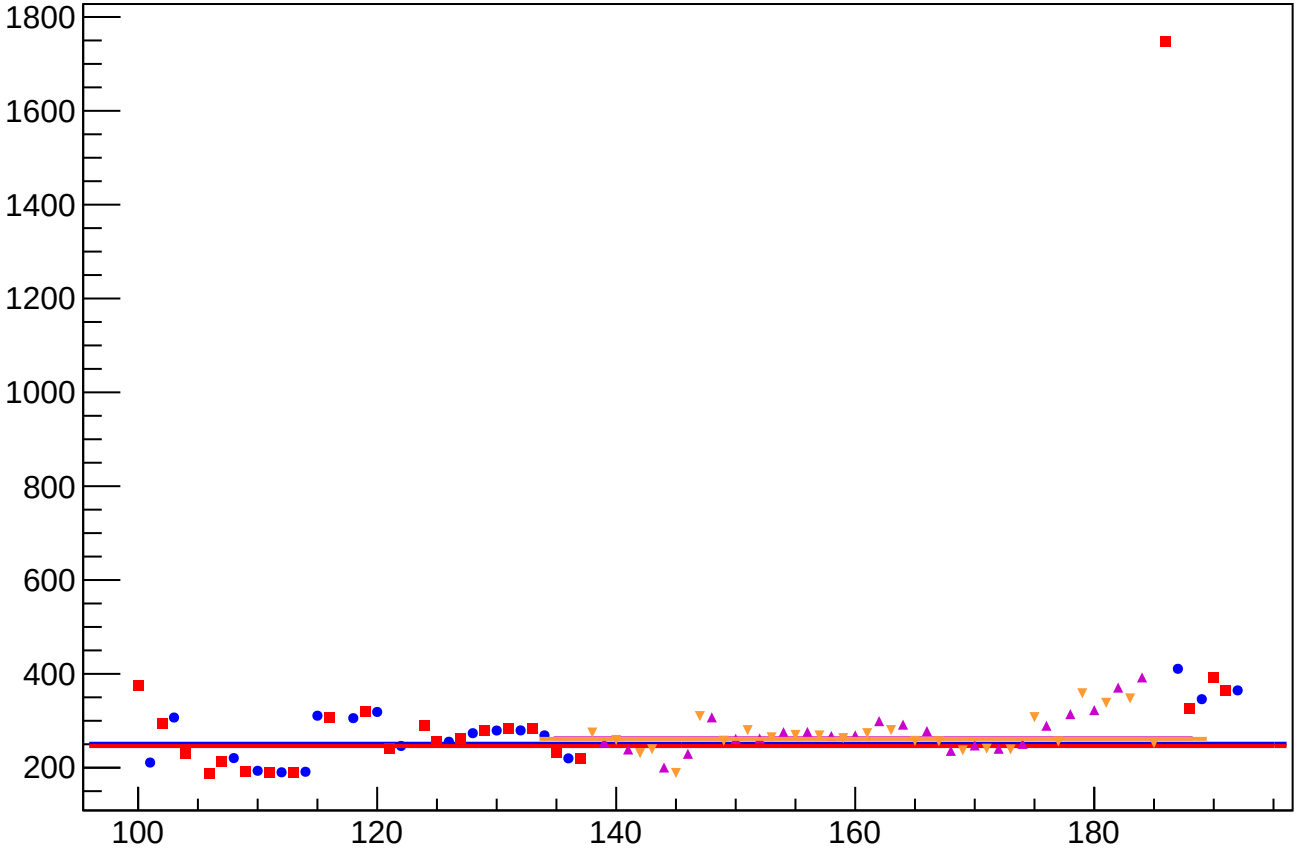
Right: 95.396+/-60.068 χ^2/NDF: 32.9/41

In: 204.124+/-50.396 χ^2/NDF:51.8/41

Out: 303.438+/-48.853 χ^2/NDF:48.6/47

All: 255.324+/-35.077 χ^2/NDF: 102.4/89

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: 246.097+/-0.059 χ^2/NDF: 1364097.1/22

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

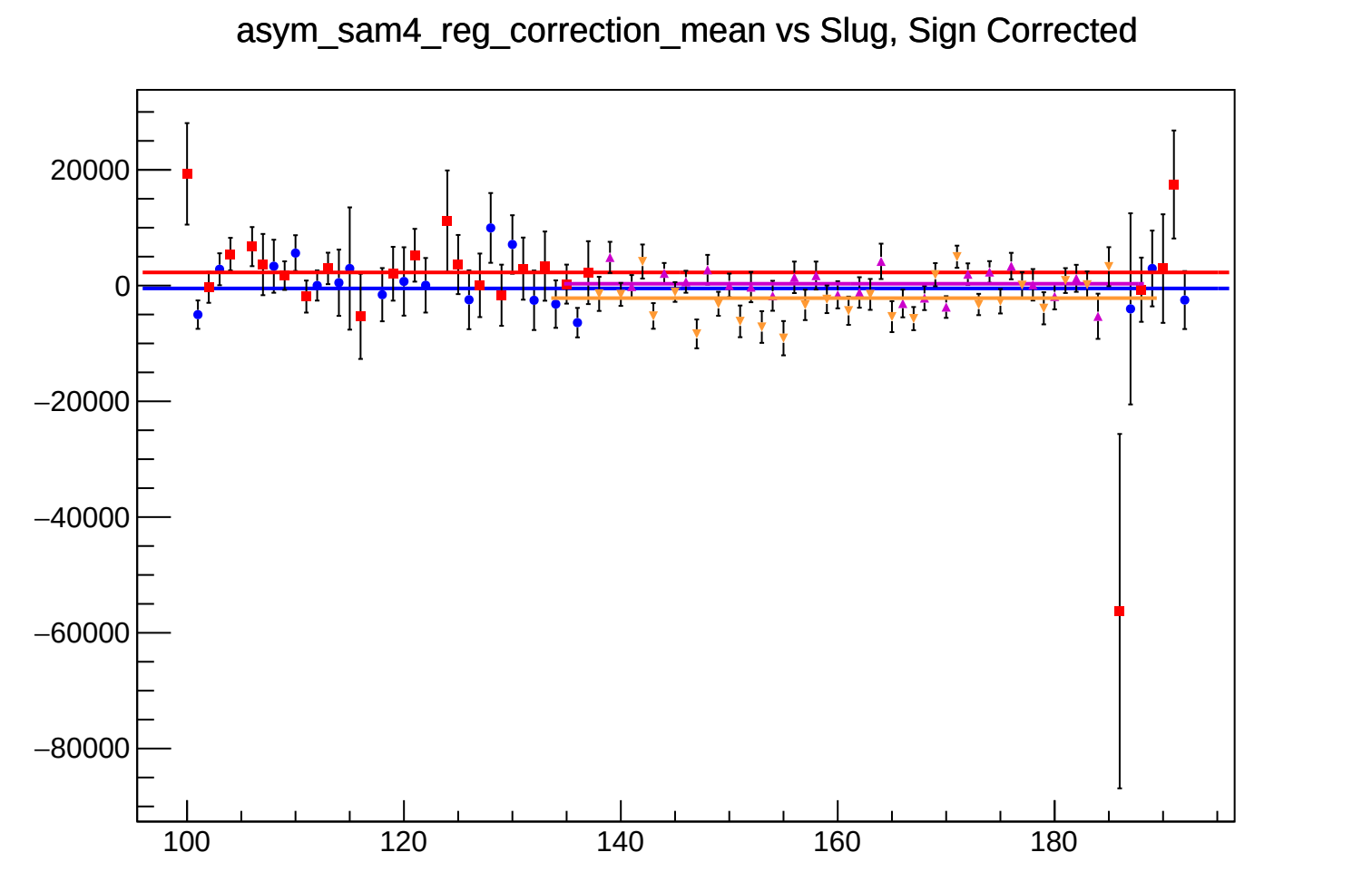
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 248.529+/-0.042 χ^2/NDF: 2124845.2/41

In: 258.683+/-0.036 χ^2/NDF:1451386.1/41

Out: 256.238+/-0.035 χ^2/NDF:2124028.6/47

All: 257.422+/-0.025 χ^2/NDF: 3577842.6/89



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: 2269.979+/-874.668 χ^2/NDF: 20.5/22

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

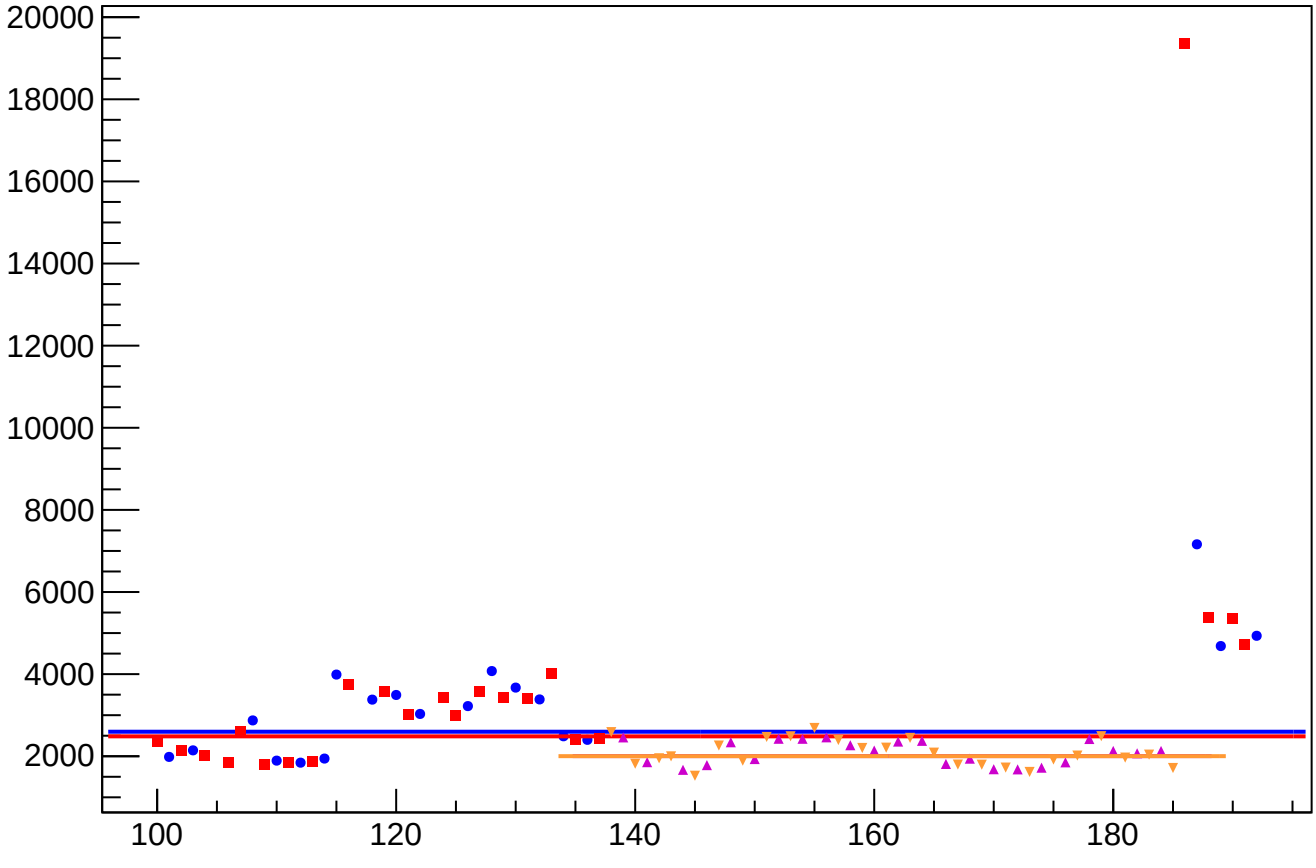
Right: 956.628+/-633.984 χ^2/NDF: 46.9/41

In: 143.662+/-421.446 χ^2/NDF:45.9/41

Out: -1204.069+/-408.272 χ^2/NDF:96.2/47

All: -551.598+/-293.239 χ^2/NDF: 147.3/89

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: 2484.731+/-0.618 χ^2/NDF: 2554285.4/22

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

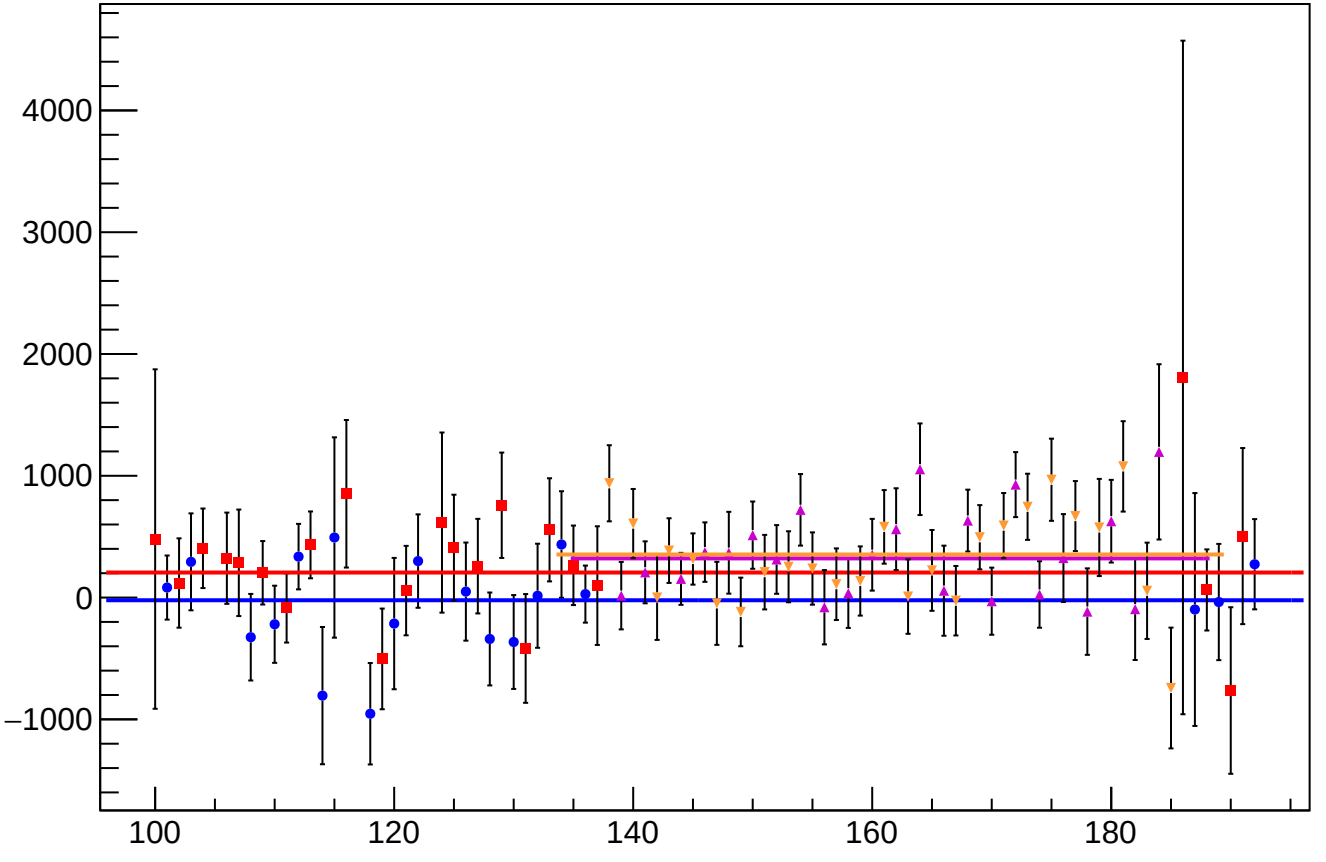
Right: 2538.222+/-0.448 χ^2/NDF: 4300709.0/41

In: 2128.658+/-0.298 χ^2/NDF:3092302.6/41

Out: 2107.355+/-0.289 χ^2/NDF:3923002.7/47

All: 2117.669+/-0.207 χ^2/NDF: 7017941.5/89

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: 205.578+/-83.753 χ^2/NDF: 14.2/22

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

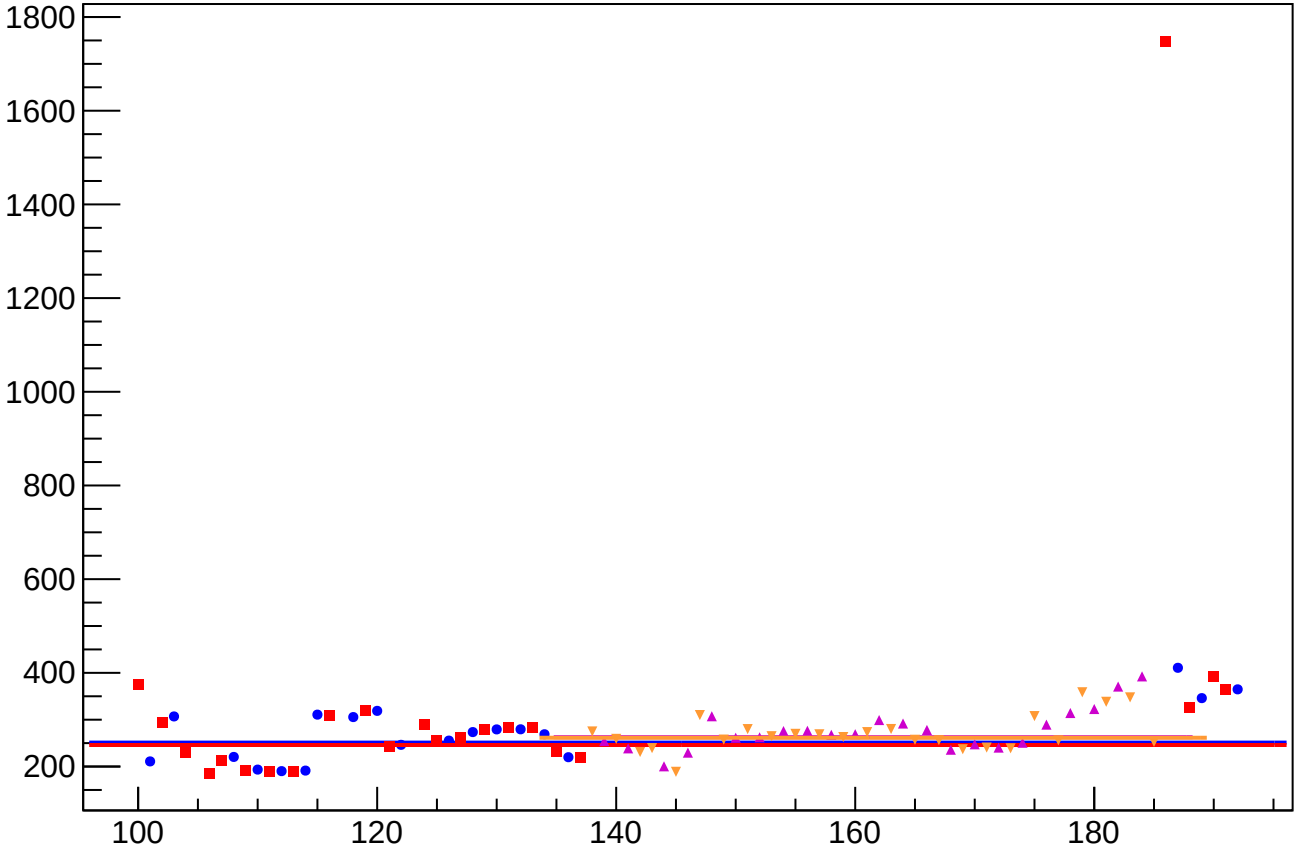
Right: 95.063+/-60.073 χ^2/NDF: 32.9/41

In: 204.121+/-50.396 χ^2/NDF:51.8/41

Out: 303.259+/-48.855 χ^2/NDF:48.6/47

All: 255.228+/-35.078 χ^2/NDF: 102.4/89

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: 245.989+/-0.059 χ^2/NDF: 1368318.7/22

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

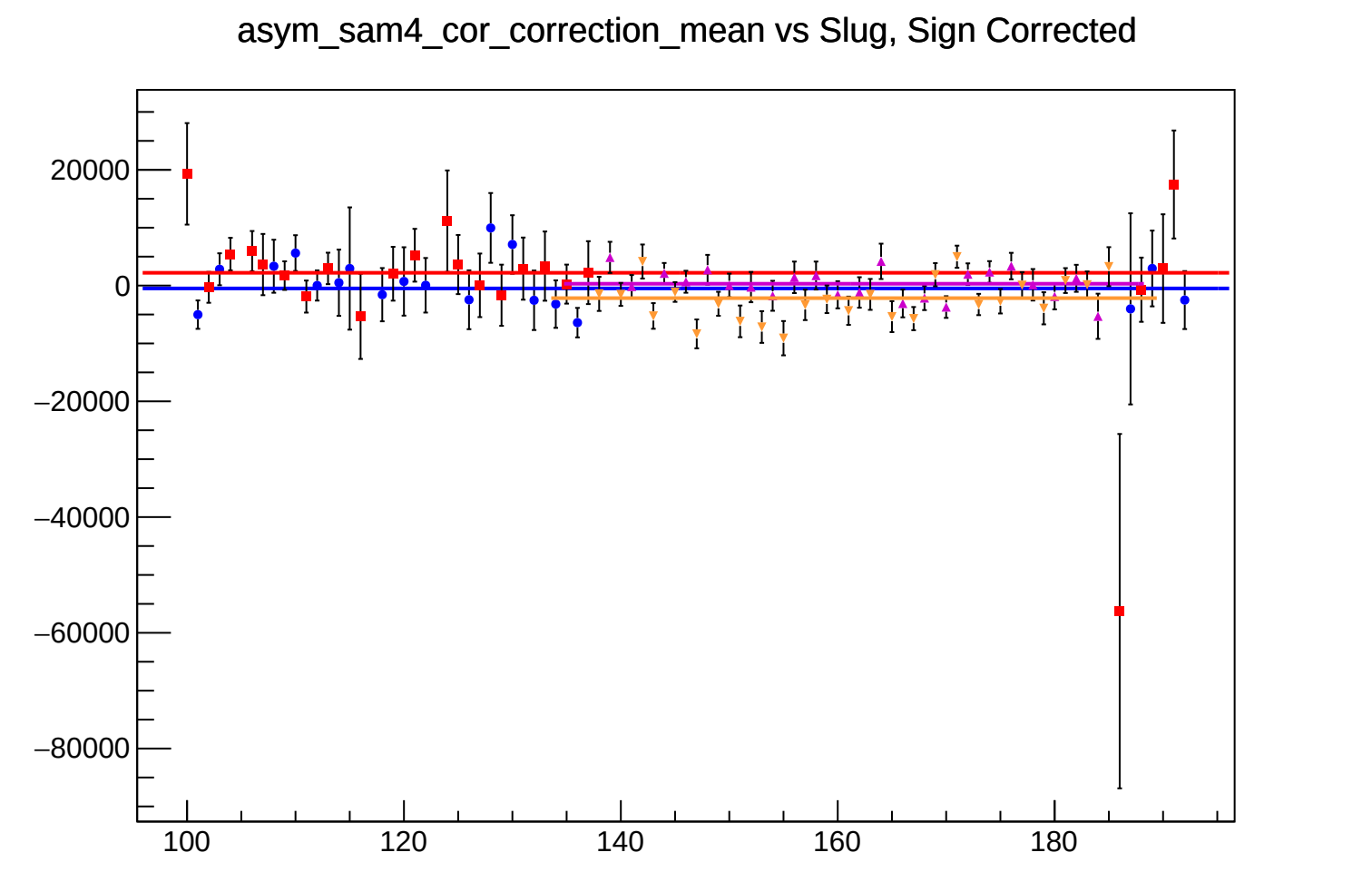
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 248.474+/-0.042 χ^2/NDF: 2129218.8/41

In: 258.683+/-0.036 χ^2/NDF:1451388.0/41

Out: 256.202+/-0.035 χ^2/NDF:2128864.5/47

All: 257.404+/-0.025 χ^2/NDF: 3582751.3/89



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: 2205.880+/-876.251 χ^2/NDF: 19.9/22

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

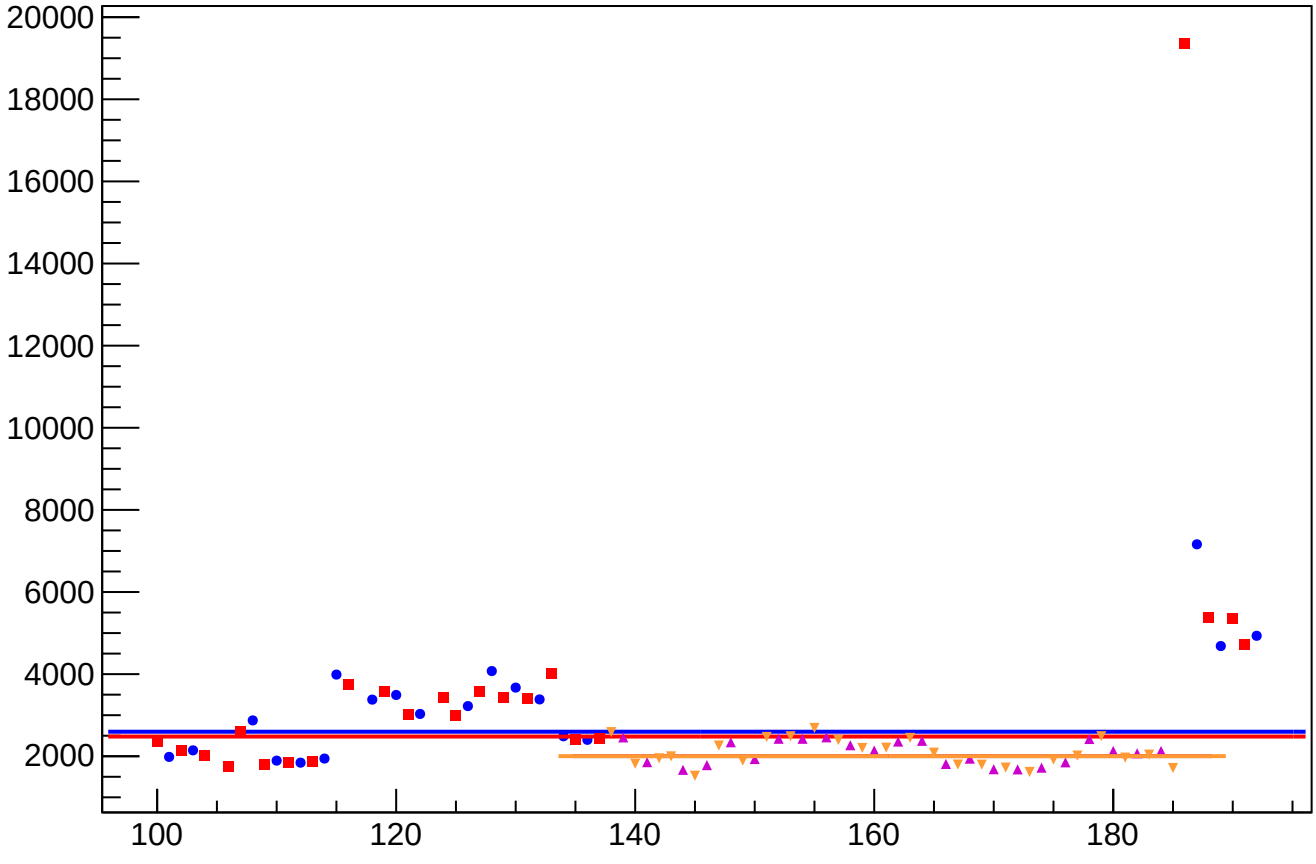
Right: 920.450+/-634.589 χ^2/NDF: 46.0/41

In: 143.635+/-421.447 χ^2/NDF:45.9/41

Out: -1220.707+/-408.432 χ^2/NDF:94.9/47

All: -559.928+/-293.298 χ^2/NDF: 146.2/89

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: 2479.971+/-0.620 χ^2/NDF: 2575822.8/22

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

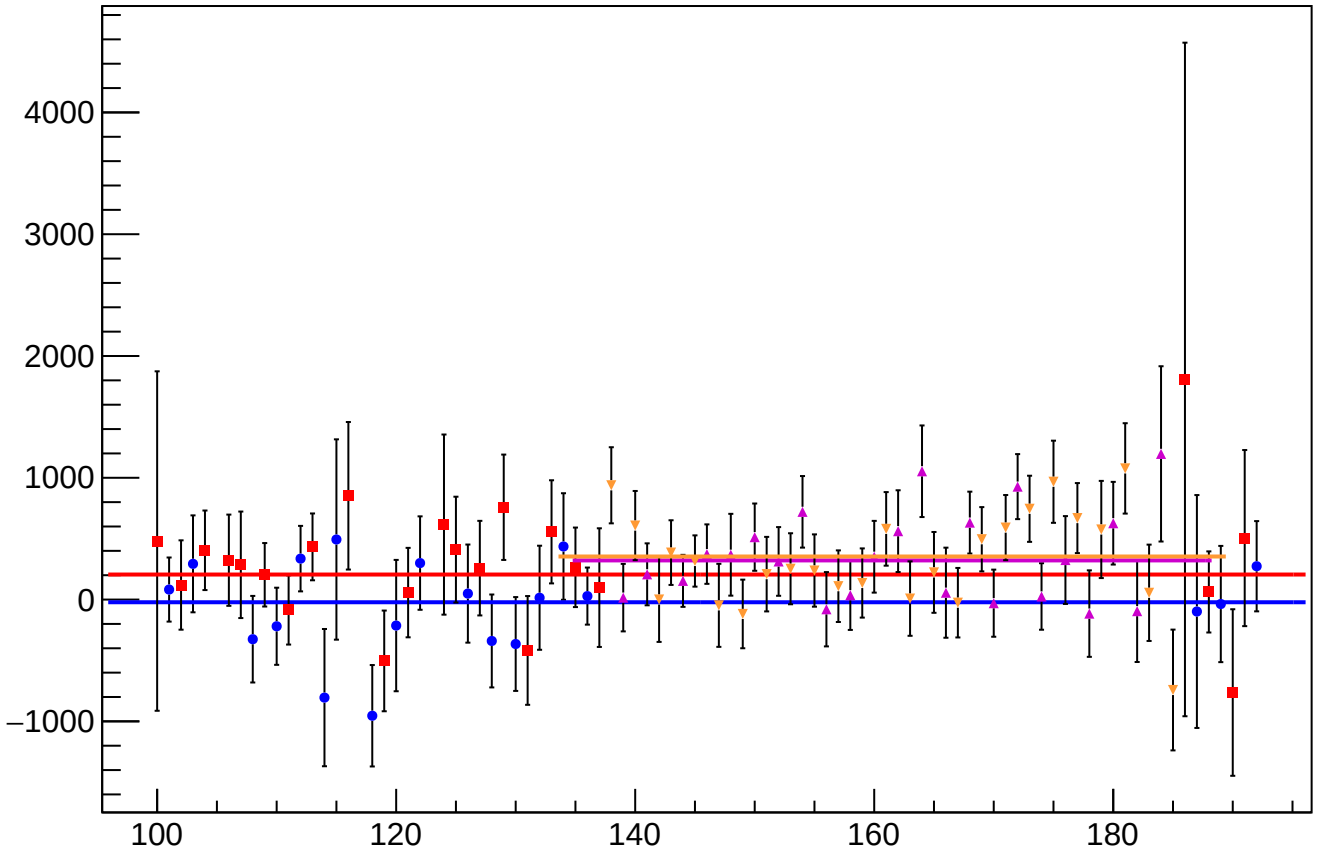
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 2535.839+/-0.449 χ^2/NDF: 4323536.3/41

In: 2128.662+/-0.298 χ^2/NDF:3092302.8/41

Out: 2106.024+/-0.289 χ^2/NDF:3933876.8/47

All: 2116.988+/-0.207 χ^2/NDF: 7029155.5/89



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: 205.578+/-83.753 χ^2/NDF: 14.2/22

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

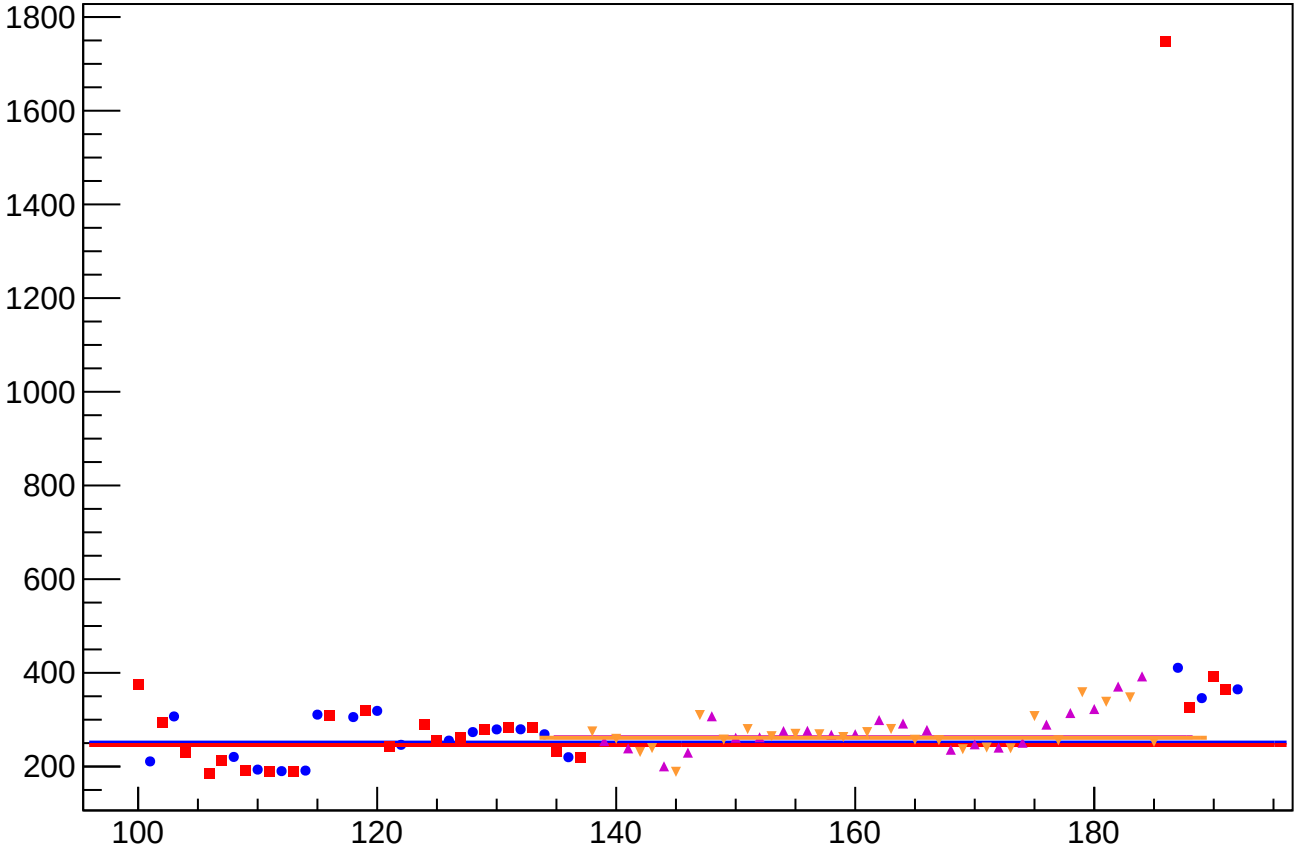
Right: 95.063+/-60.073 χ^2/NDF: 32.9/41

In: 204.121+/-50.396 χ^2/NDF:51.8/41

Out: 303.259+/-48.855 χ^2/NDF:48.6/47

All: 255.228+/-35.078 χ^2/NDF: 102.4/89

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: 245.989+/-0.059 χ^2/NDF: 1368318.7/22

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

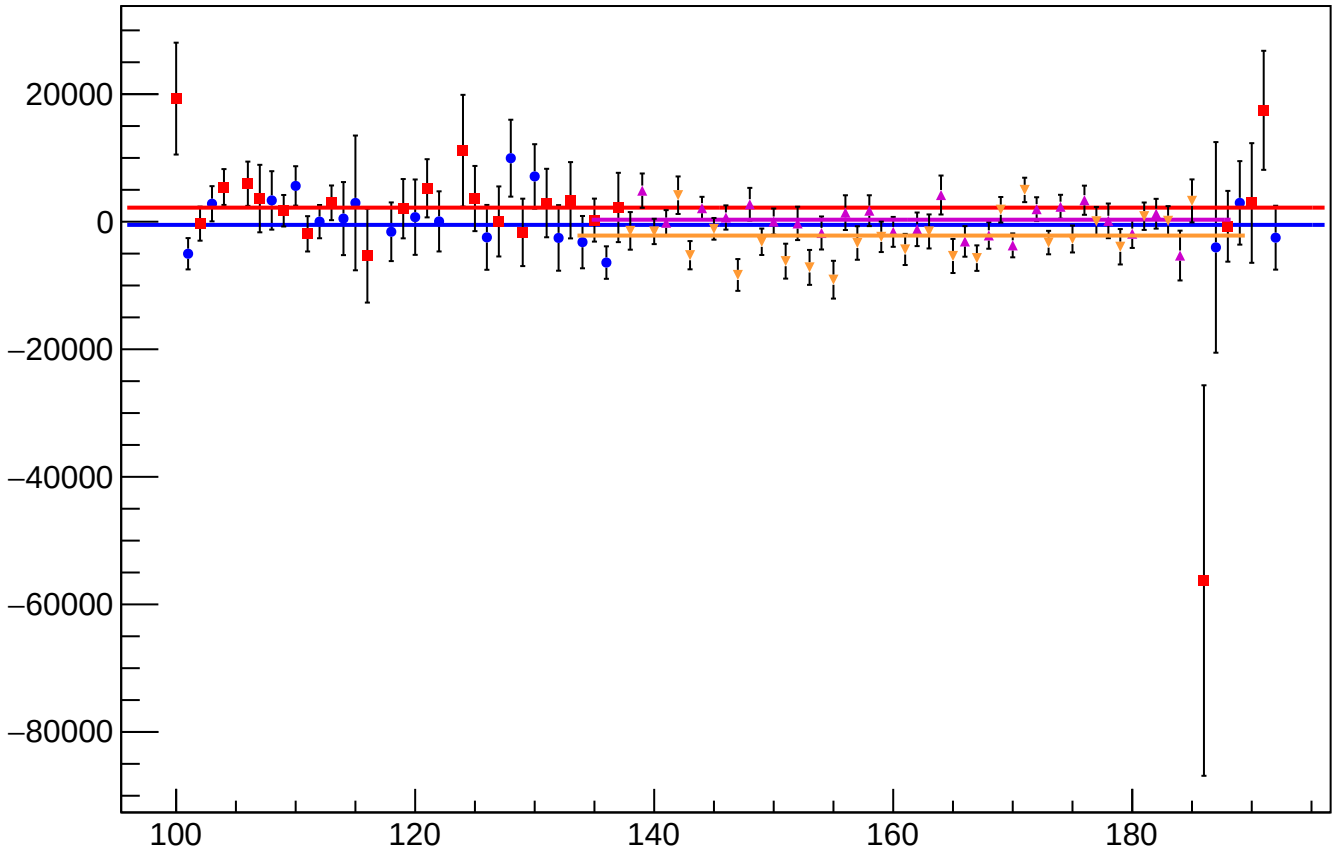
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 248.474+/-0.042 χ^2/NDF: 2129218.8/41

In: 258.683+/-0.036 χ^2/NDF:1451388.0/41

Out: 256.202+/-0.035 χ^2/NDF:2128864.5/47

All: 257.404+/-0.025 χ^2/NDF: 3582751.3/89



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: 2205.880+/-876.251 χ^2/NDF: 19.9/22

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

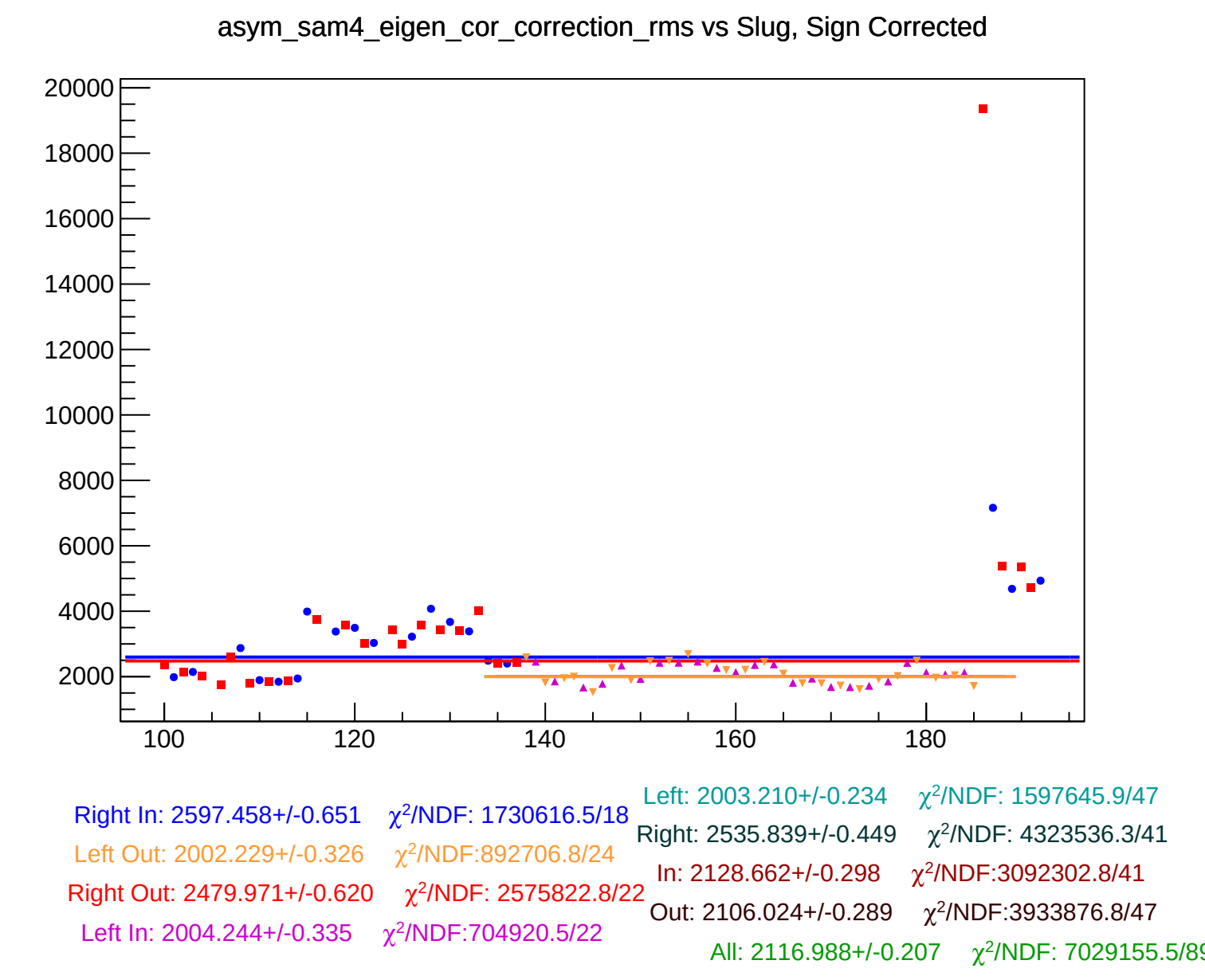
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 920.450+/-634.589 χ^2/NDF: 46.0/41

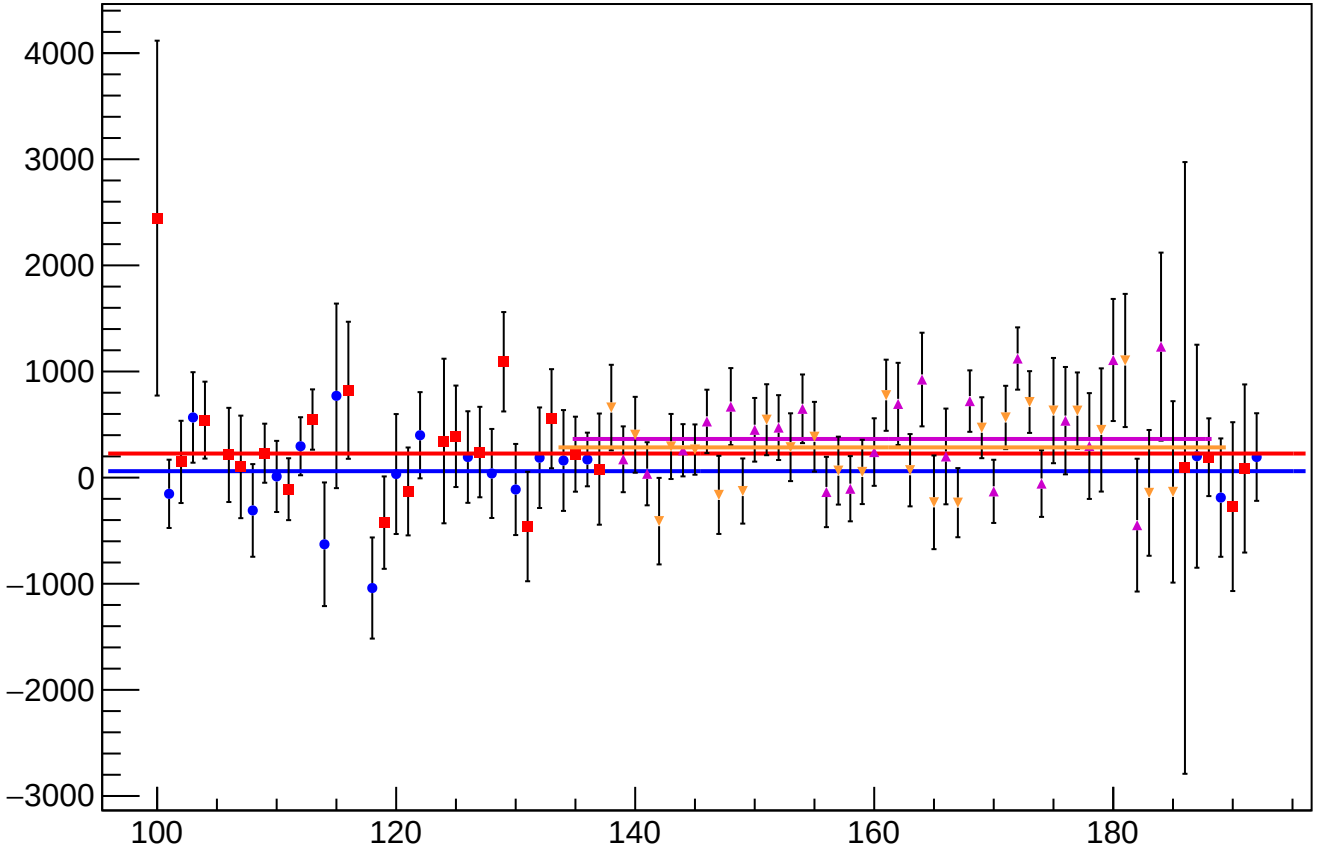
In: 143.635+/-421.447 χ^2/NDF:45.9/41

Out: -1220.707+/-408.432 χ^2/NDF:94.9/47

All: -559.928+/-293.298 χ^2/NDF: 146.2/89


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: 2479.971+/-0.620 χ²/NDF: 2575822.8/22
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2535.839+/-0.449 χ²/NDF: 4323536.3/41
In: 2128.662+/-0.298 χ²/NDF:3092302.8/41
Out: 2106.024+/-0.289 χ²/NDF:3933876.8/47
All: 2116.988+/-0.207 χ²/NDF: 7029155.5/89

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 60.792+/-94.682 χ^2/NDF: 12.3/18

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 226.865+/-90.757 χ^2/NDF: 15.4/22

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

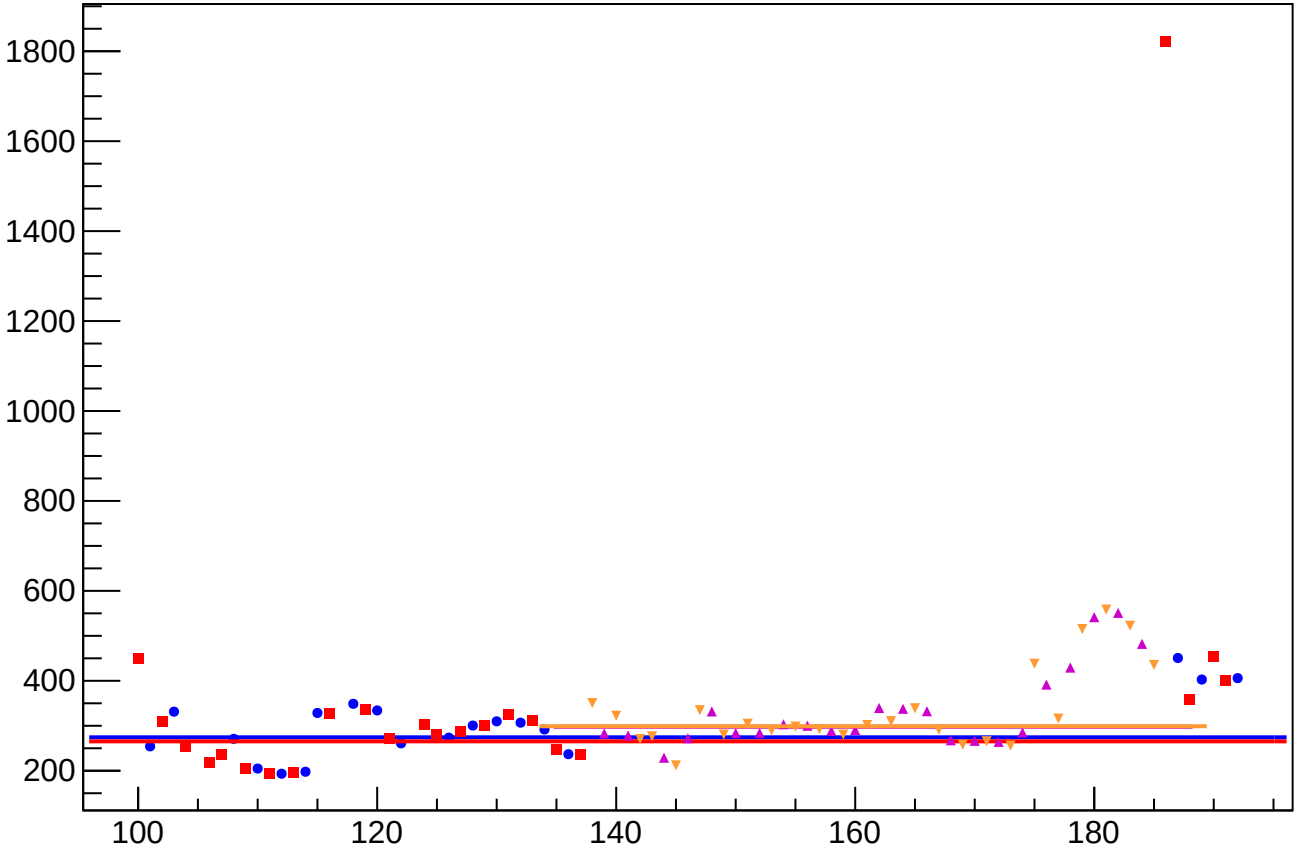
Right: 147.342+/-65.519 χ^2/NDF: 29.3/41

In: 253.571+/-57.167 χ^2/NDF:47.0/41

Out: 263.247+/-55.447 χ^2/NDF:38.5/47

All: 258.557+/-39.801 χ^2/NDF: 85.5/89

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: 265.351+/-0.064 χ^2/NDF: 1453243.7/22

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

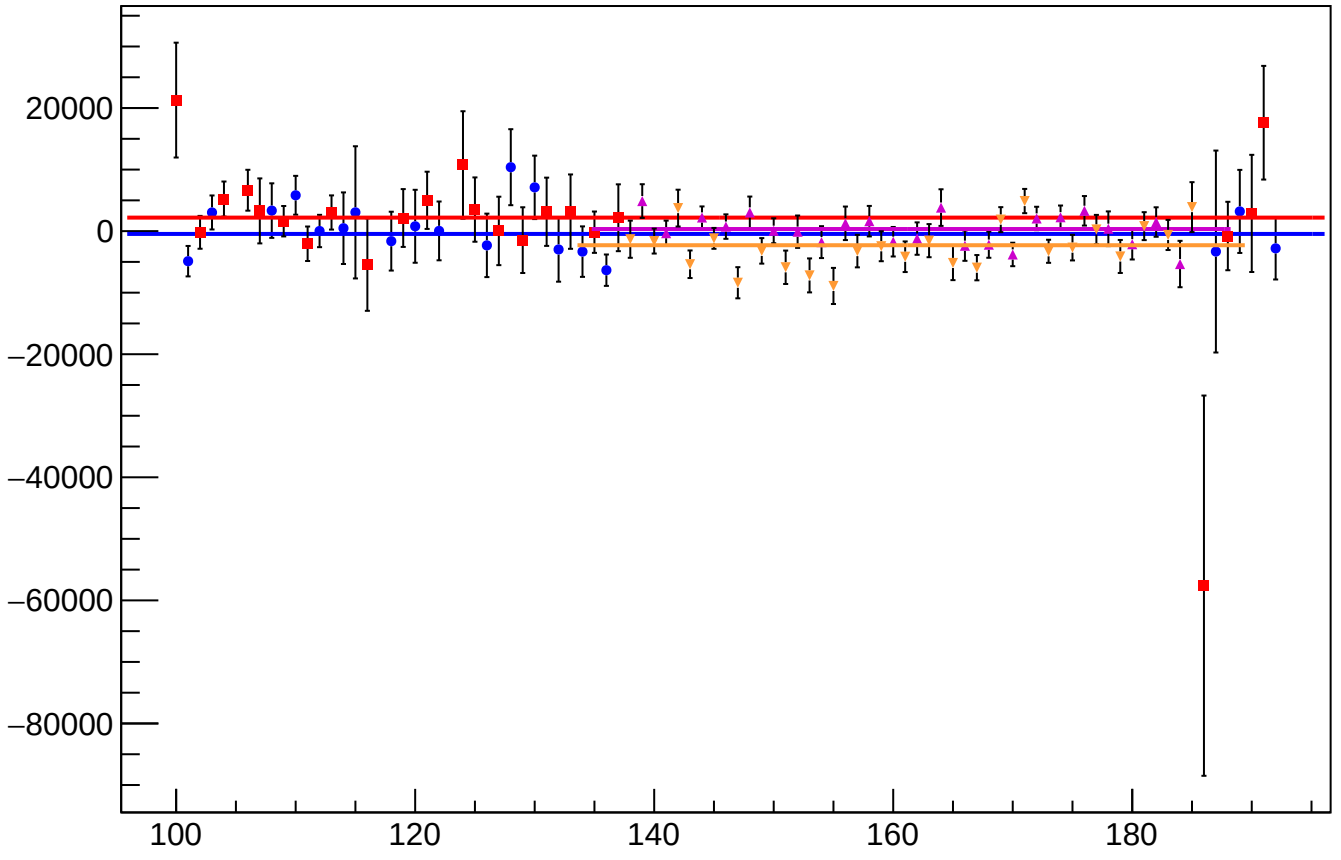
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 269.654+/-0.046 χ^2/NDF: 2326865.9/41

In: 289.301+/-0.040 χ^2/NDF:2261912.7/41

Out: 286.402+/-0.039 χ^2/NDF:3237995.2/47

All: 287.807+/-0.028 χ^2/NDF: 5502557.2/89



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: 2195.603+/-881.237 χ^2/NDF: 20.8/22

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

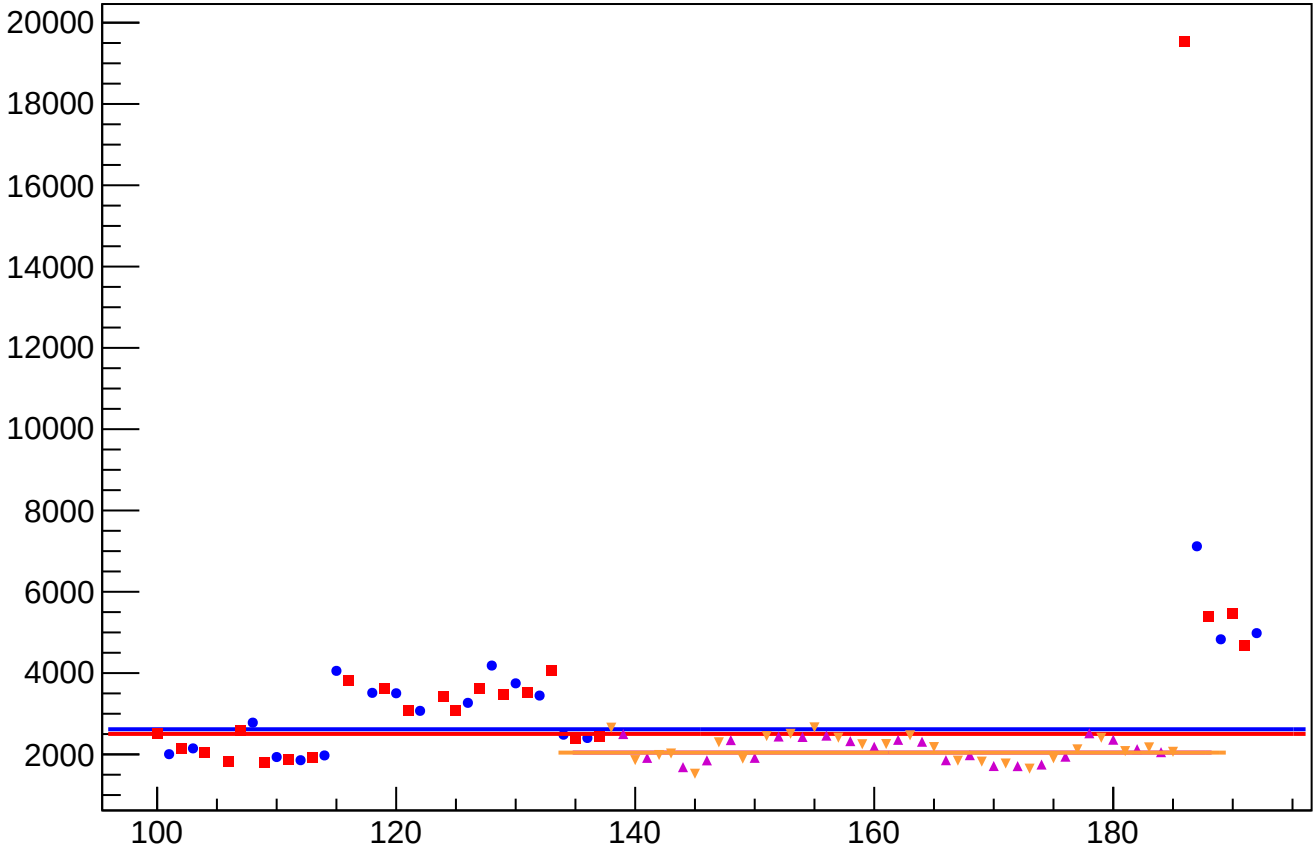
Right: 938.179+/-639.060 χ^2/NDF: 46.9/41

In: 171.955+/-428.876 χ^2/NDF:45.2/41

Out: -1295.693+/-415.060 χ^2/NDF:92.7/47

All: -585.890+/-298.257 χ^2/NDF: 143.9/89

asym_sam4_dit_correction_rms vs Slug, Sign Corrected



Right In: 2618.465+/-0.656 χ^2/NDF: 1763911.4/18

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2503.855+/-0.623 χ^2/NDF: 2576734.3/22

Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

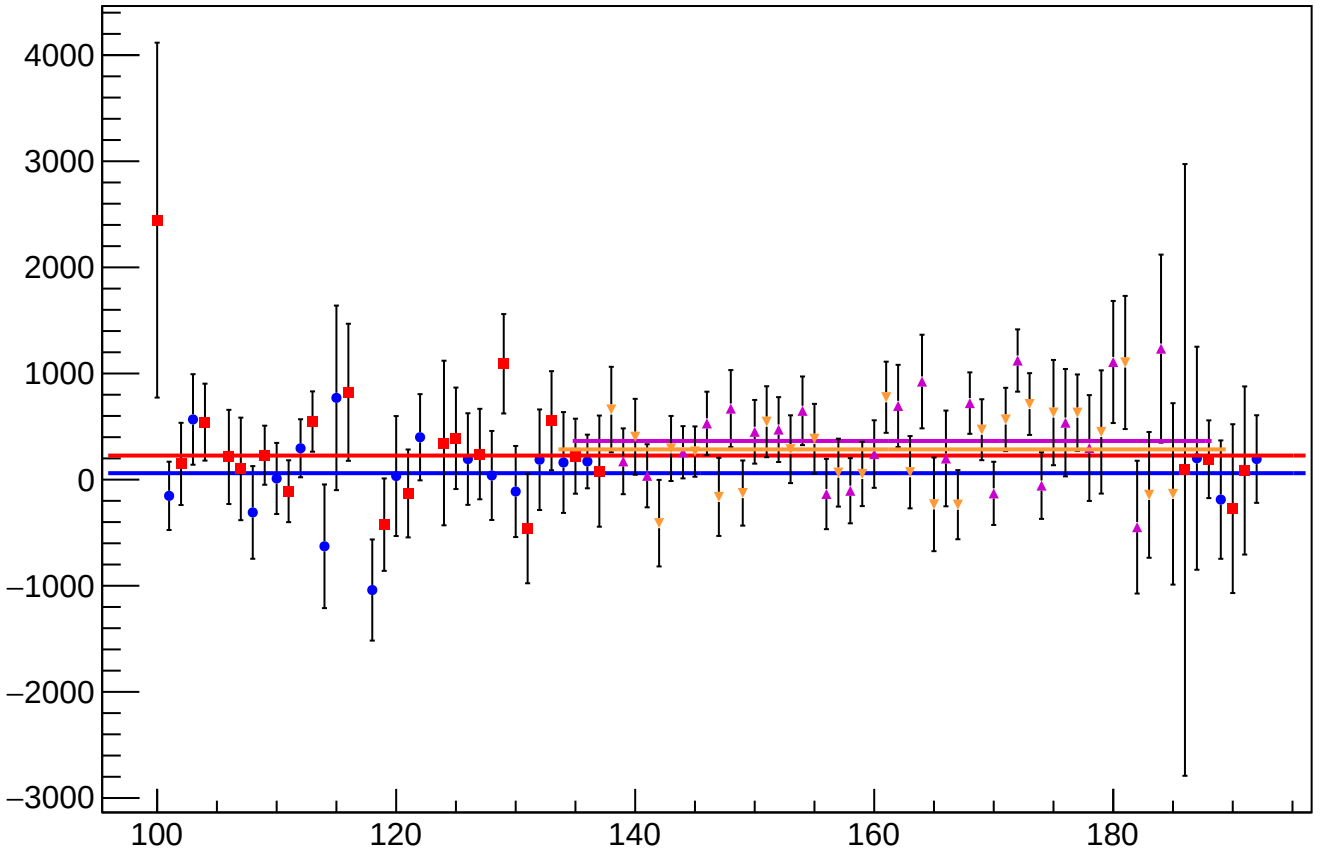
Left: 2044.442+/-0.238 χ^2/NDF: 1543620.1/47

Right: 2558.192+/-0.452 χ^2/NDF: 4356684.2/41

In: 2167.592+/-0.303 χ^2/NDF:3054266.2/41

Out: 2145.816+/-0.293 χ^2/NDF:3854391.2/47

All: 2156.347+/-0.211 χ^2/NDF: 6911319.8/89



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: 226.866+/-90.757 χ^2/NDF: 15.4/22

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

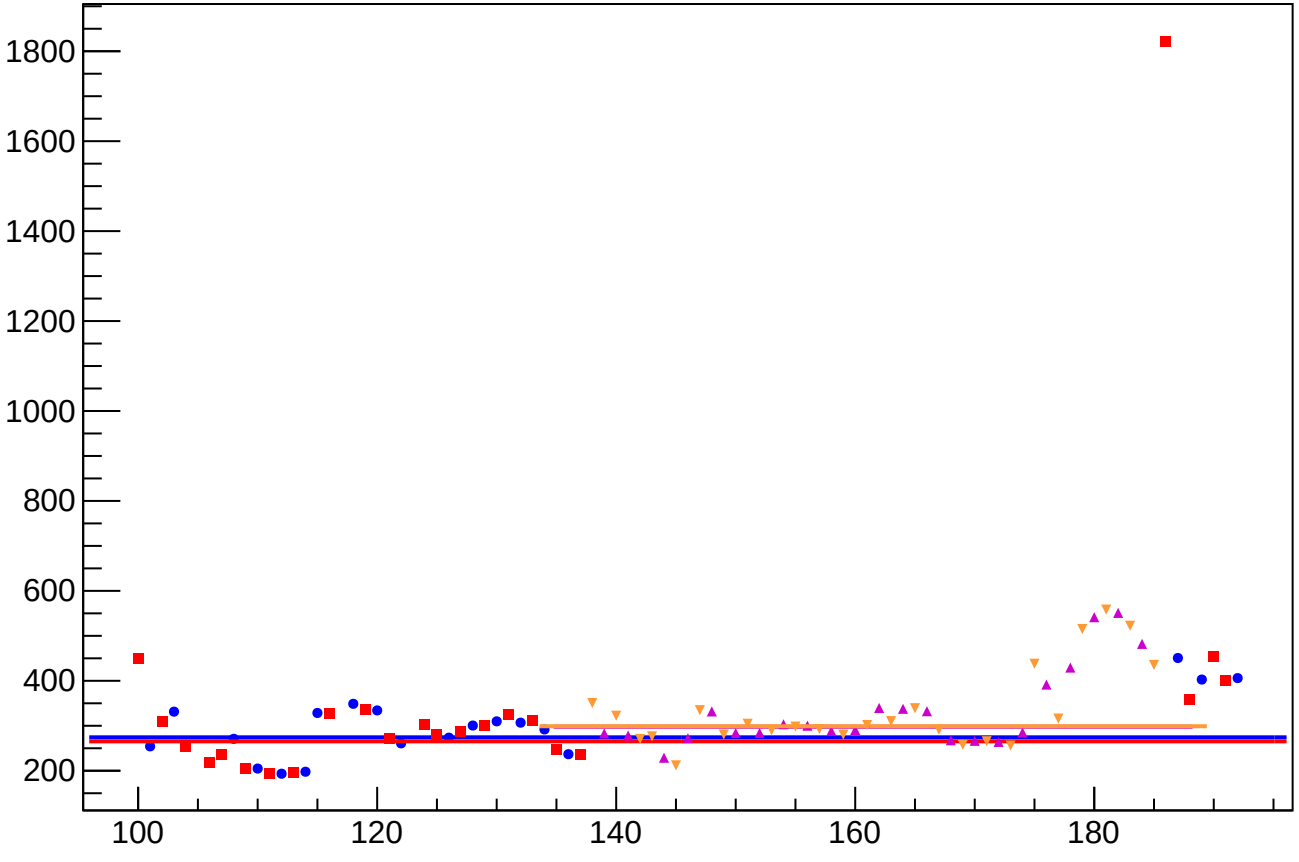
Right: 147.344+/-65.519 χ^2/NDF: 29.3/41

In: 253.573+/-57.167 χ^2/NDF:47.0/41

Out: 263.251+/-55.447 χ^2/NDF:38.5/47

All: 258.559+/-39.801 χ^2/NDF: 85.5/89

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: 265.351+/-0.064 χ^2/NDF: 1453248.7/22

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

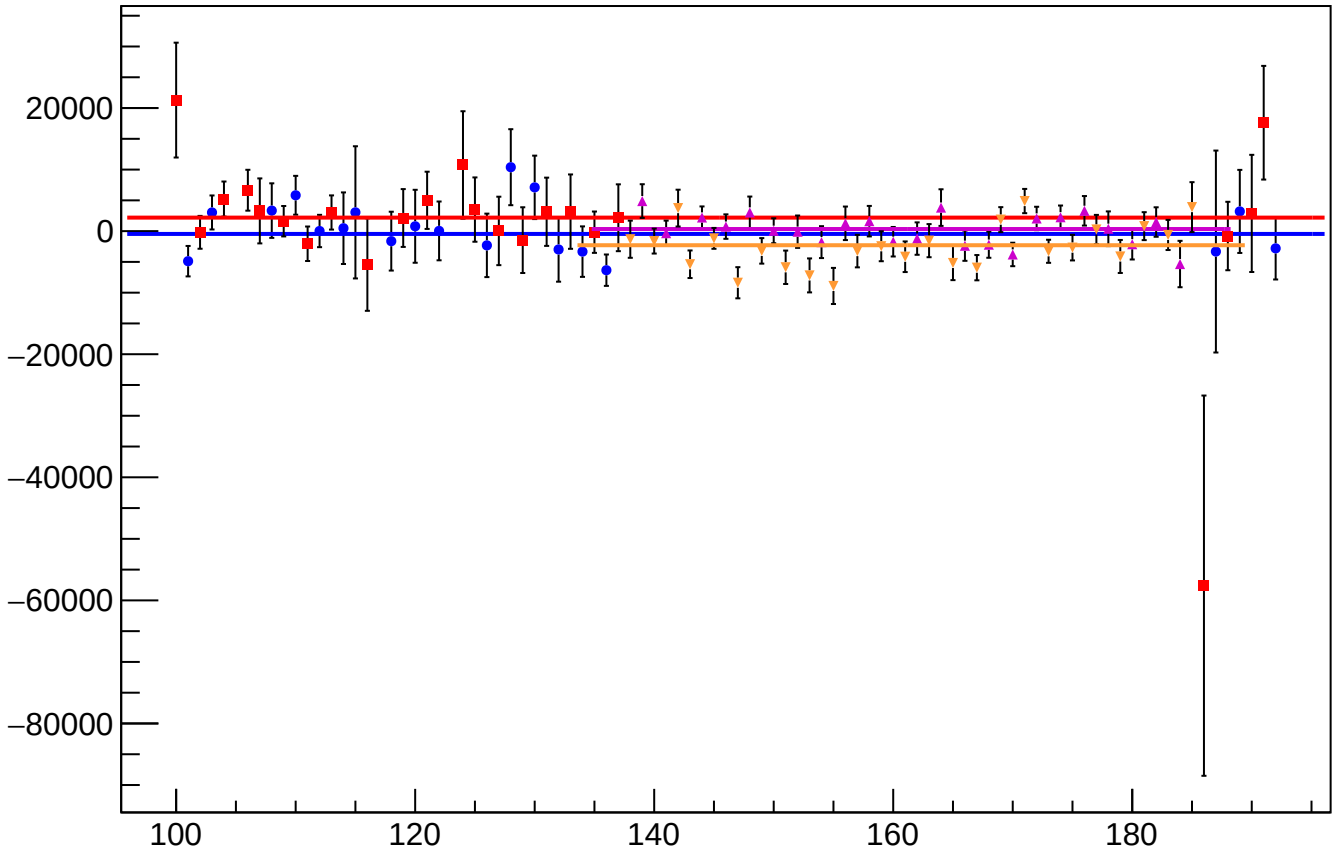
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 269.654+/-0.046 χ^2/NDF: 2326866.9/41

In: 289.301+/-0.040 χ^2/NDF:2261892.0/41

Out: 286.402+/-0.039 χ^2/NDF:3238000.2/47

All: 287.807+/-0.028 χ^2/NDF: 5502541.6/89



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: 2195.601+/-881.236 χ^2/NDF: 20.8/22

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

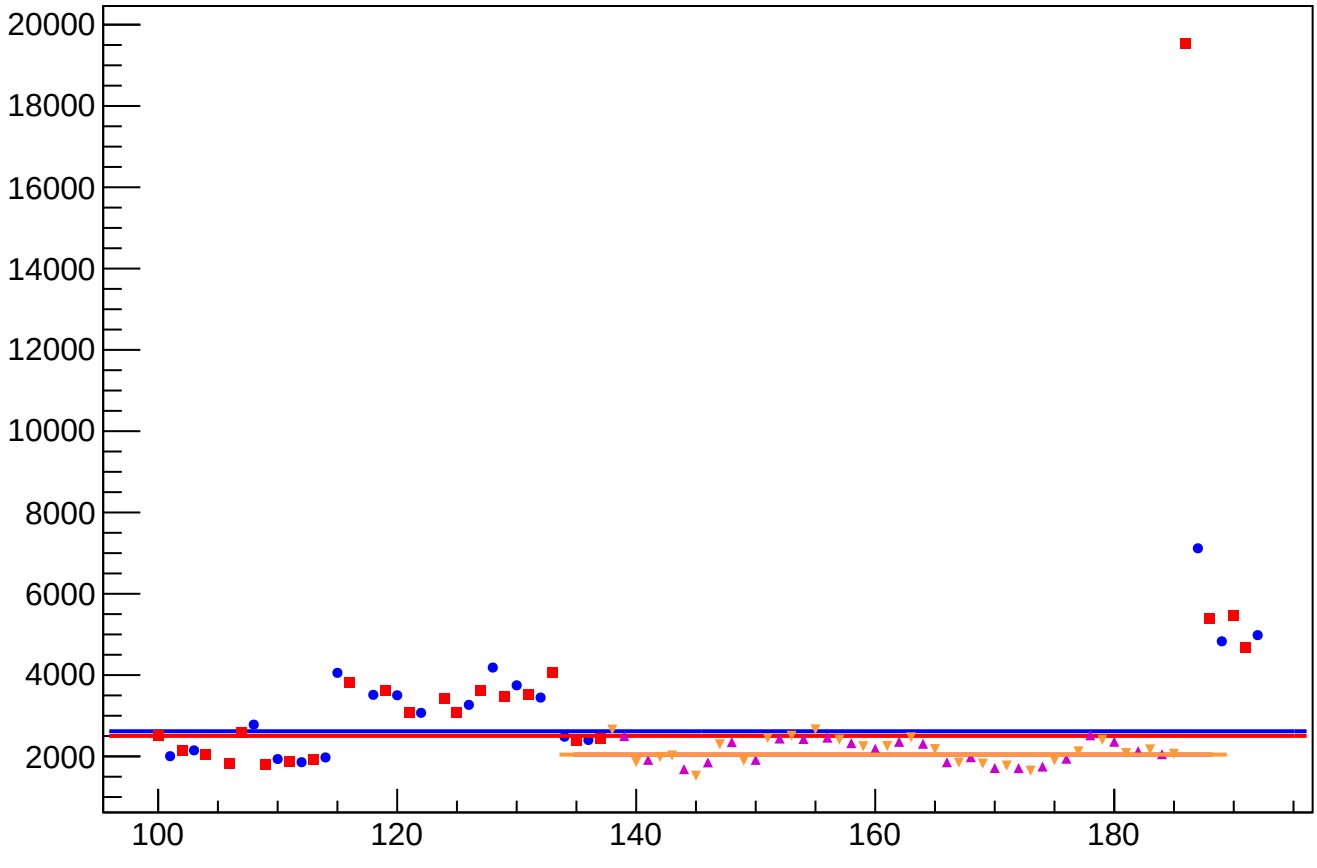
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 938.178+/-639.059 χ^2/NDF: 46.9/41

In: 171.954+/-428.876 χ^2/NDF:45.2/41

Out: -1295.691+/-415.059 χ^2/NDF:92.7/47

All: -585.890+/-298.256 χ^2/NDF: 143.9/89



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: 2503.854+/-0.623 χ^2/NDF: 2576734.8/22

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

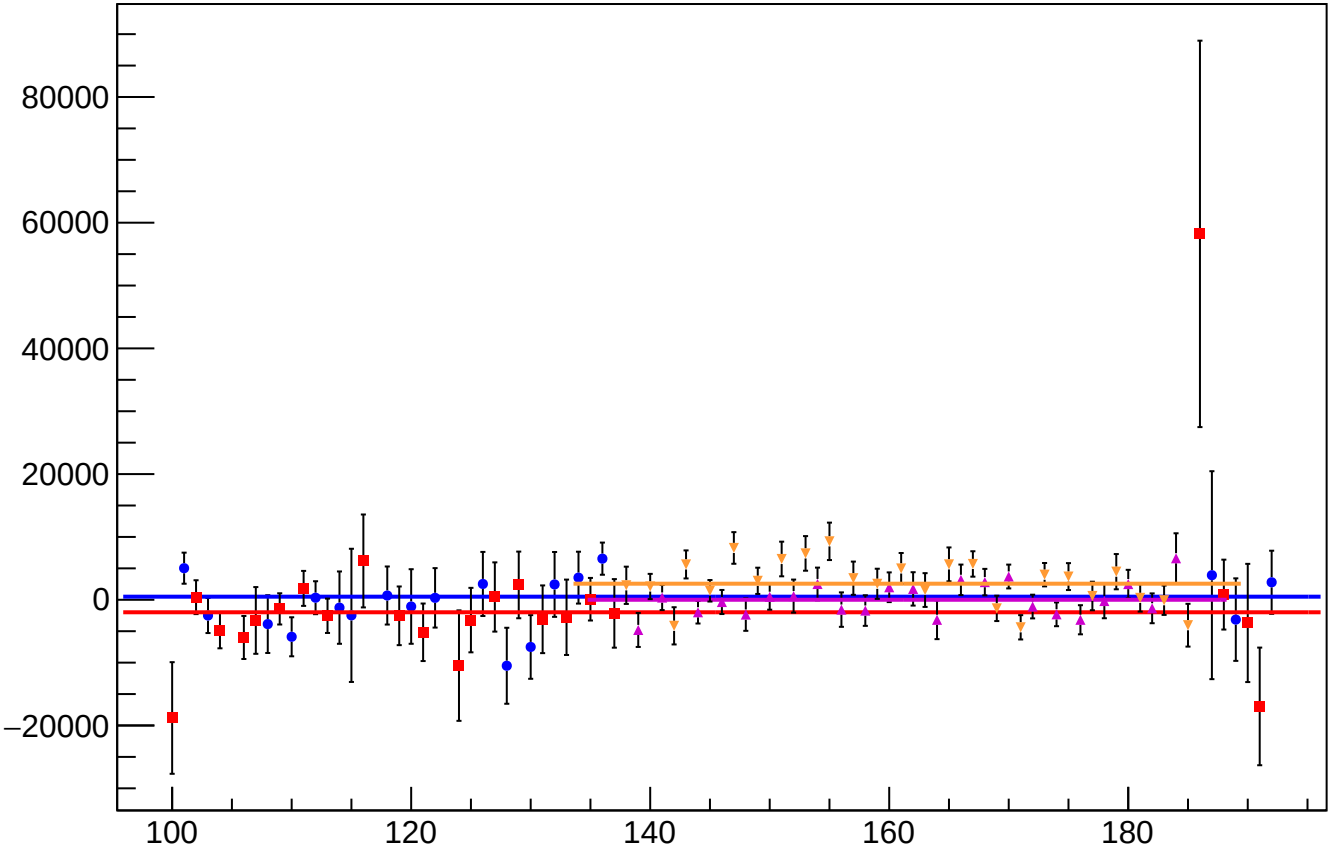
Right: 2558.191+/-0.452 χ^2/NDF: 4356685.2/41

In: 2167.589+/-0.303 χ^2/NDF:3054268.6/41

Out: 2145.813+/-0.293 χ^2/NDF:3854397.2/47

All: 2156.344+/-0.211 χ^2/NDF: 6911328.3/89

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: -1988.222+/-879.935 χ^2/NDF: 19.5/22

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

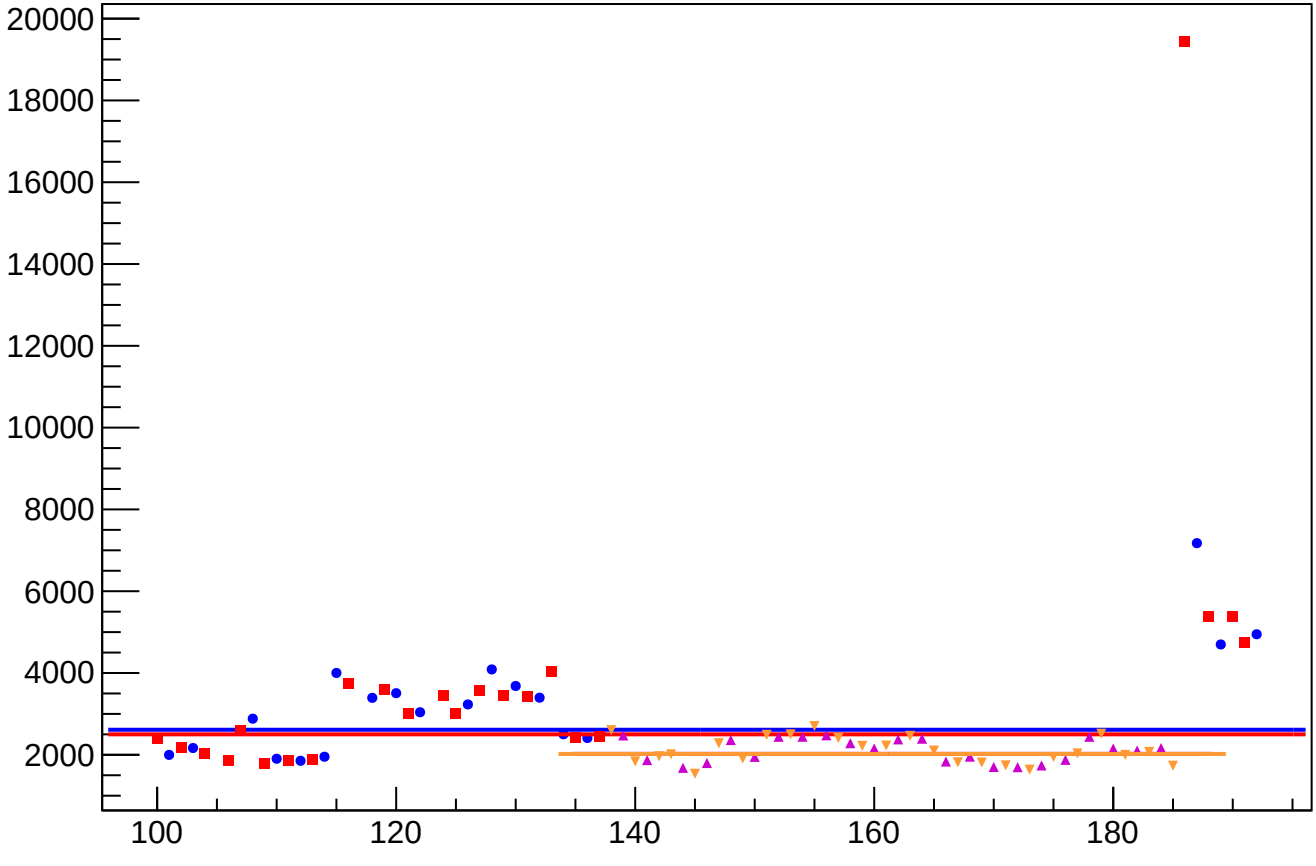
Right: -809.242+/-637.622 χ^2/NDF: 46.0/41

In: 107.045+/-425.035 χ^2/NDF:47.6/41

Out: 1563.243+/-411.777 χ^2/NDF:93.1/47

All: 858.209+/-295.746 χ^2/NDF: 146.7/89

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: 2500.261+/-0.622 χ^2/NDF: 2539257.2/22

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

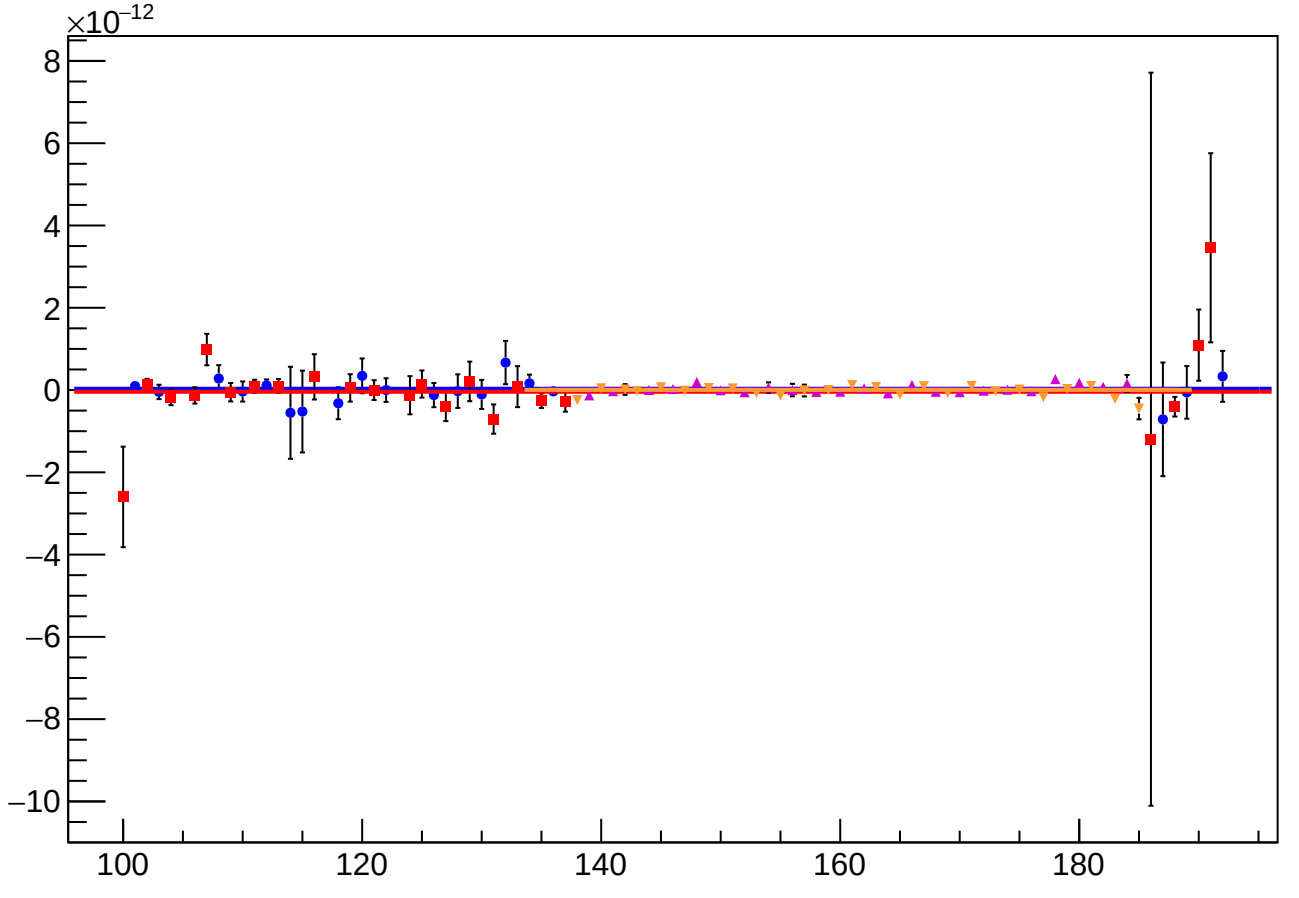
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2553.658+/-0.451 χ^2/NDF: 4272054.0/41

In: 2147.667+/-0.301 χ^2/NDF:3053701.4/41

Out: 2126.161+/-0.291 χ^2/NDF:3883485.3/47

All: 2136.573+/-0.209 χ^2/NDF: 6939828.0/89



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: 29.6/22

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

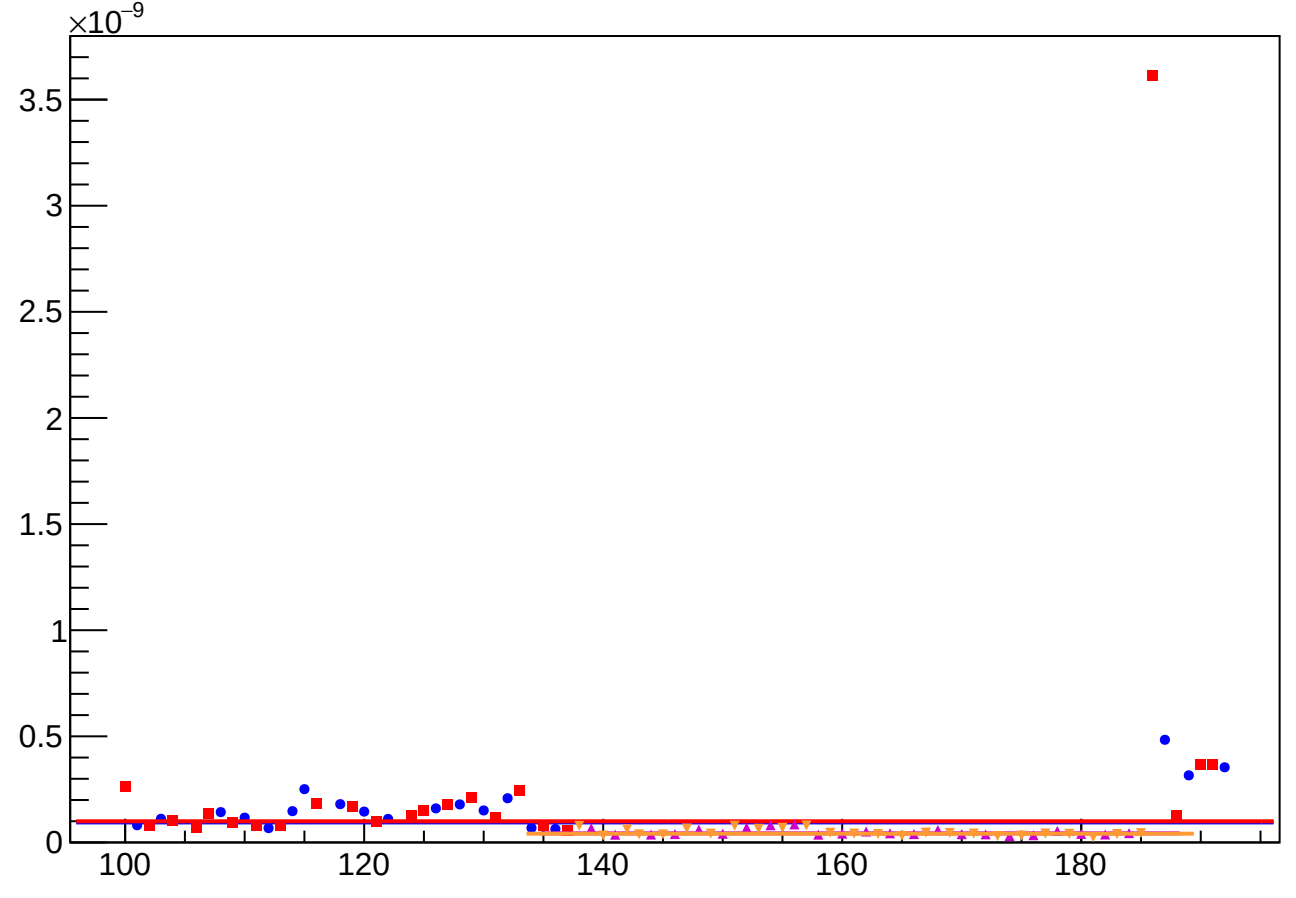
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: -0.000+/-0.000 χ^2/NDF: 37.2/41

In: 0.000+/-0.000 χ^2/NDF:27.7/41

Out: 0.000+/-0.000 χ^2/NDF:62.3/47

All: 0.000+/-0.000 χ^2/NDF: 90.3/89



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: 1412035.0/22

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

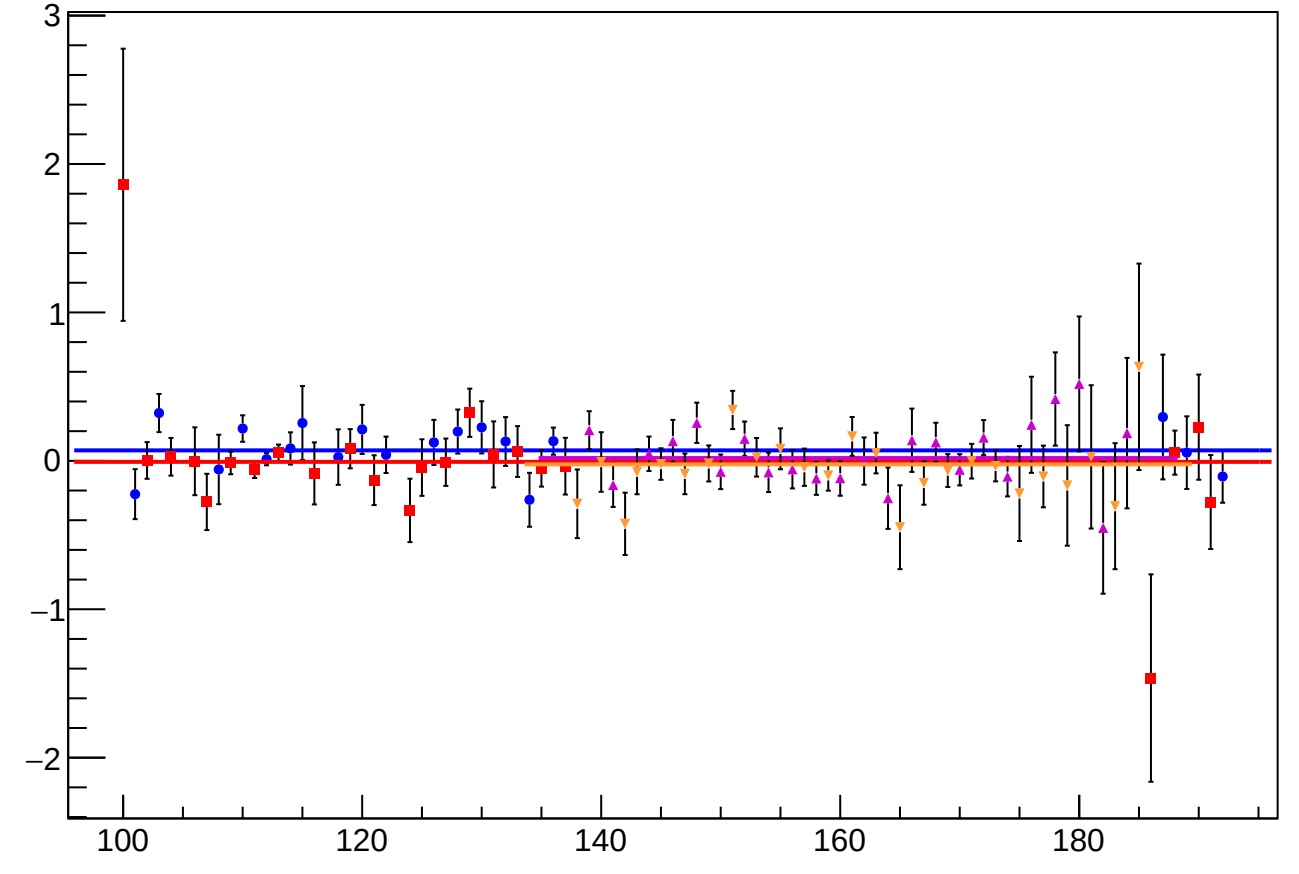
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 3111933.4/41

In: 0.000+/-0.000 χ^2/NDF:4383201.5/41

Out: 0.000+/-0.000 χ^2/NDF:4780607.7/47

All: 0.000+/-0.000 χ^2/NDF: 9179287.2/89



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: -0.007+/-0.026 χ^2/NDF: 22.1/22

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

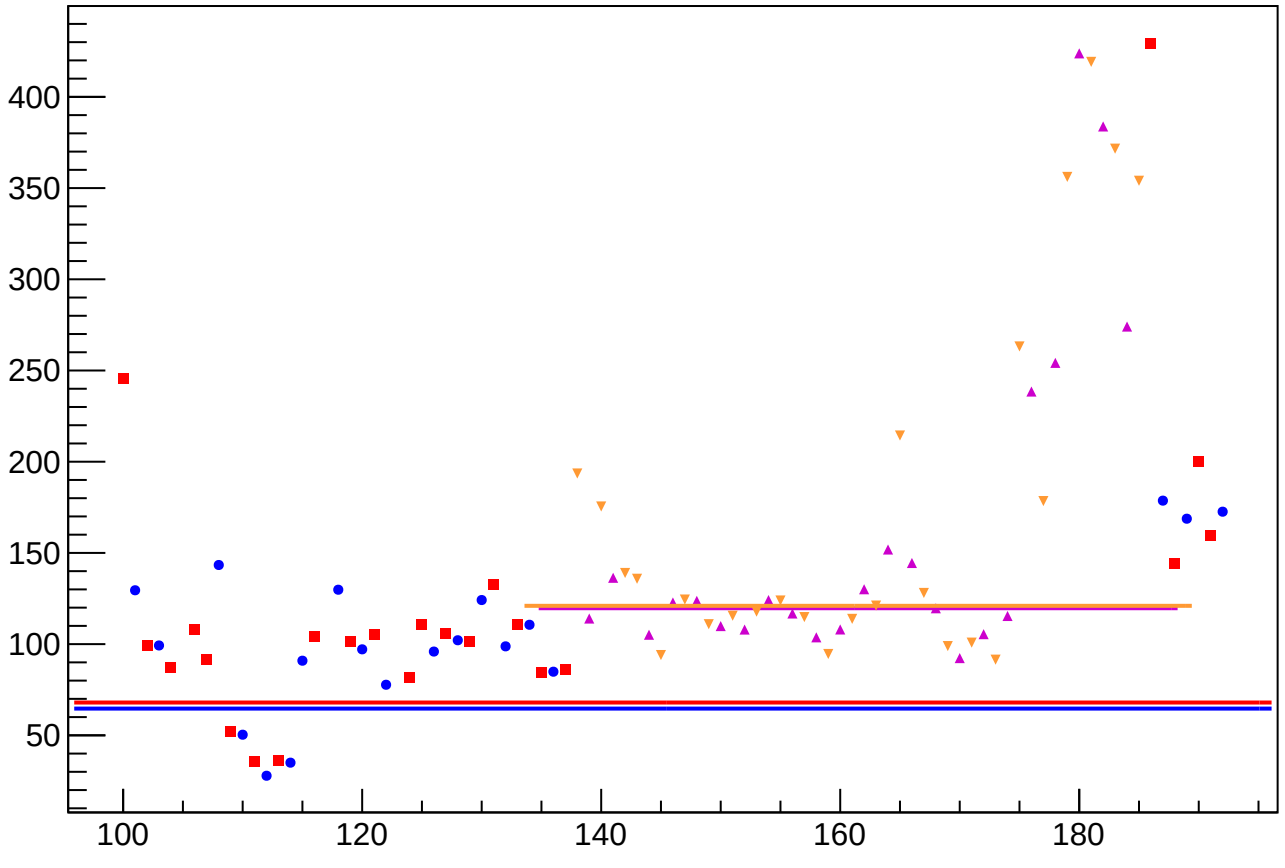
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.031+/-0.019 χ^2/NDF: 46.7/41

In: 0.048+/-0.020 χ^2/NDF:45.0/41

Out: -0.014+/-0.020 χ^2/NDF:44.5/47

All: 0.017+/-0.014 χ^2/NDF: 94.4/89



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: 67.987+/-0.019 χ^2/NDF: 4215530.3/22

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

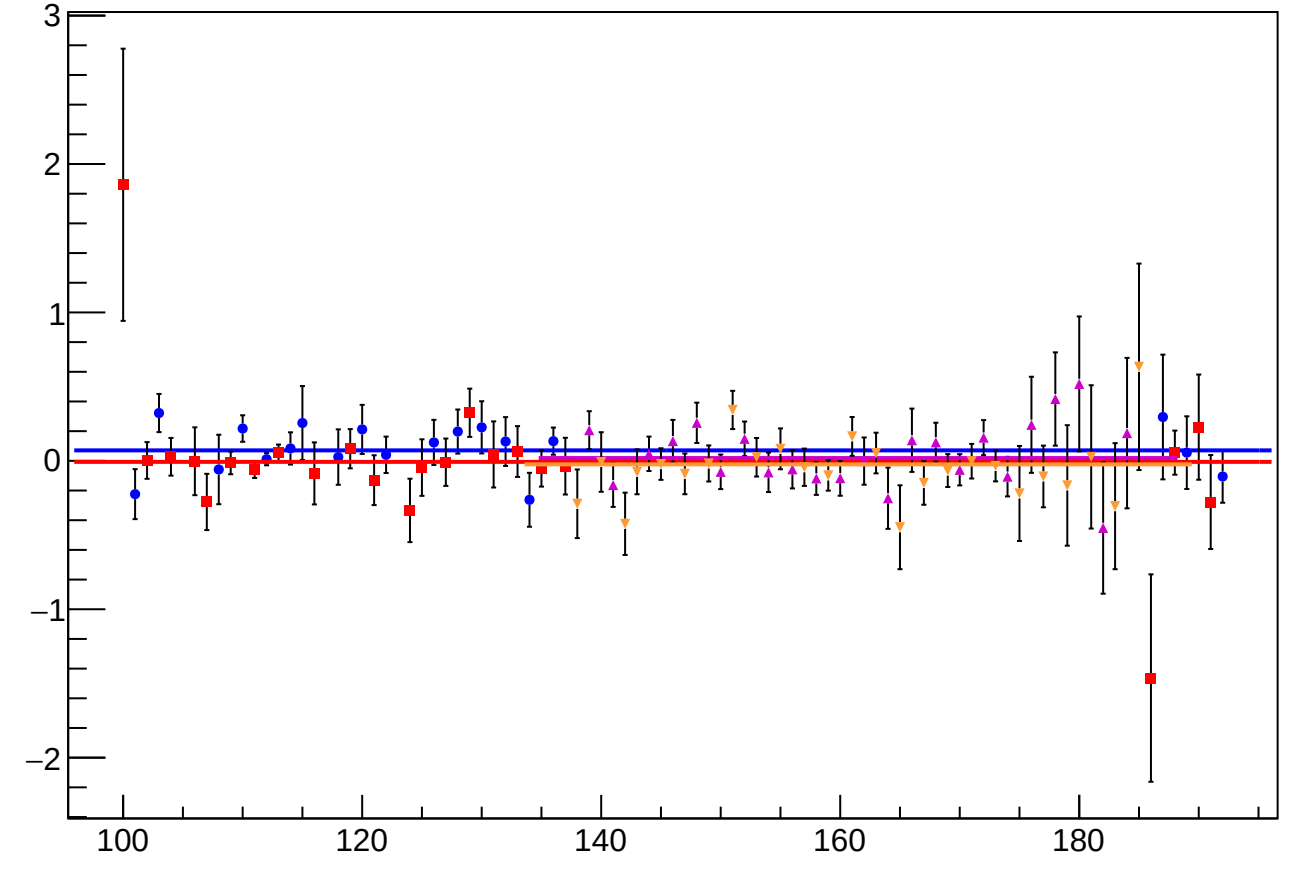
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 66.340+/-0.013 χ^2/NDF: 9073480.9/41

In: 88.563+/-0.014 χ^2/NDF:11428276.3/41

Out: 91.031+/-0.014 χ^2/NDF:11864194.3/47

All: 89.810+/-0.010 χ^2/NDF: 23307974.5/89



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: -0.007+/-0.026 χ^2/NDF: 22.1/22

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

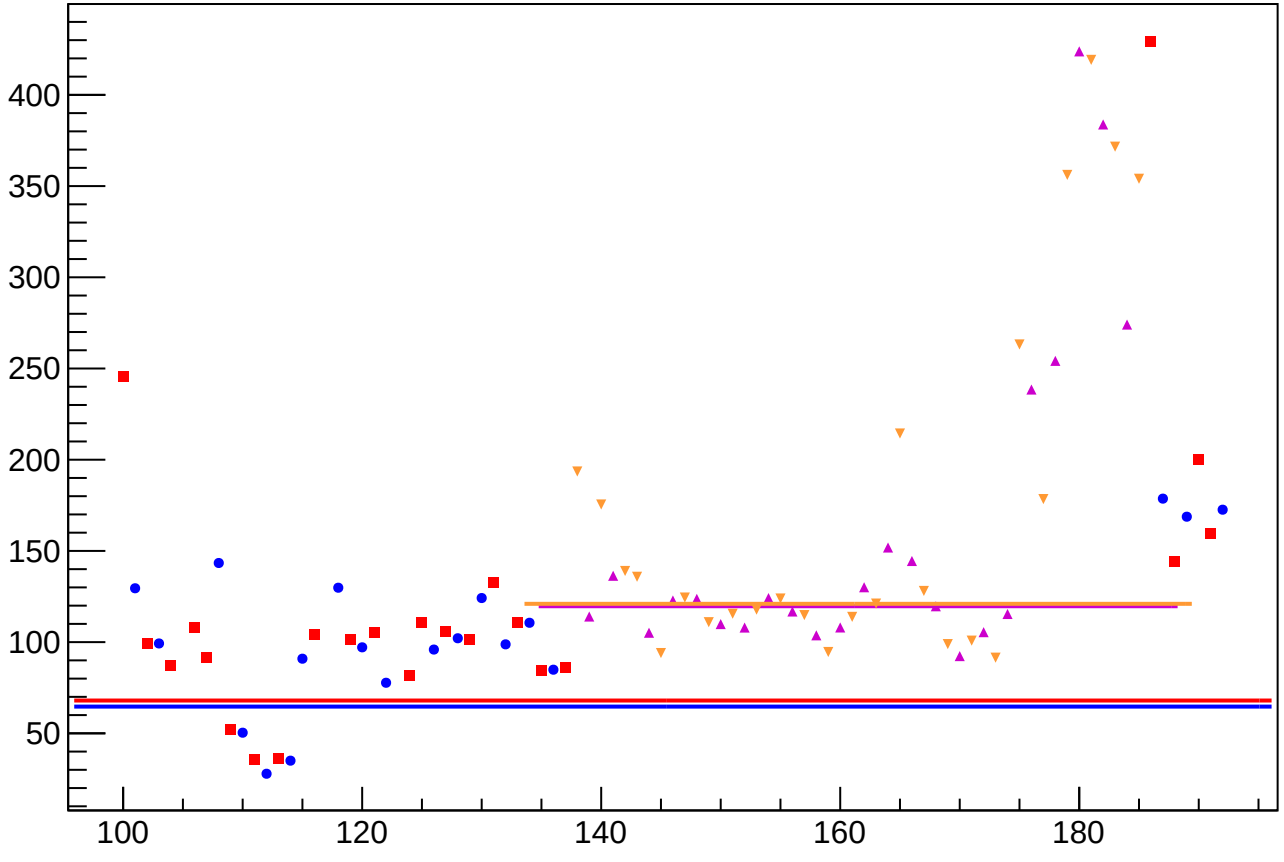
Right: 0.031+/-0.019 χ^2/NDF: 46.7/41

In: 0.048+/-0.020 χ^2/NDF:45.0/41

Out: -0.014+/-0.020 χ^2/NDF:44.5/47

All: 0.017+/-0.014 χ^2/NDF: 94.4/89

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: 67.987+/-0.019 χ^2/NDF: 4215530.3/22

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

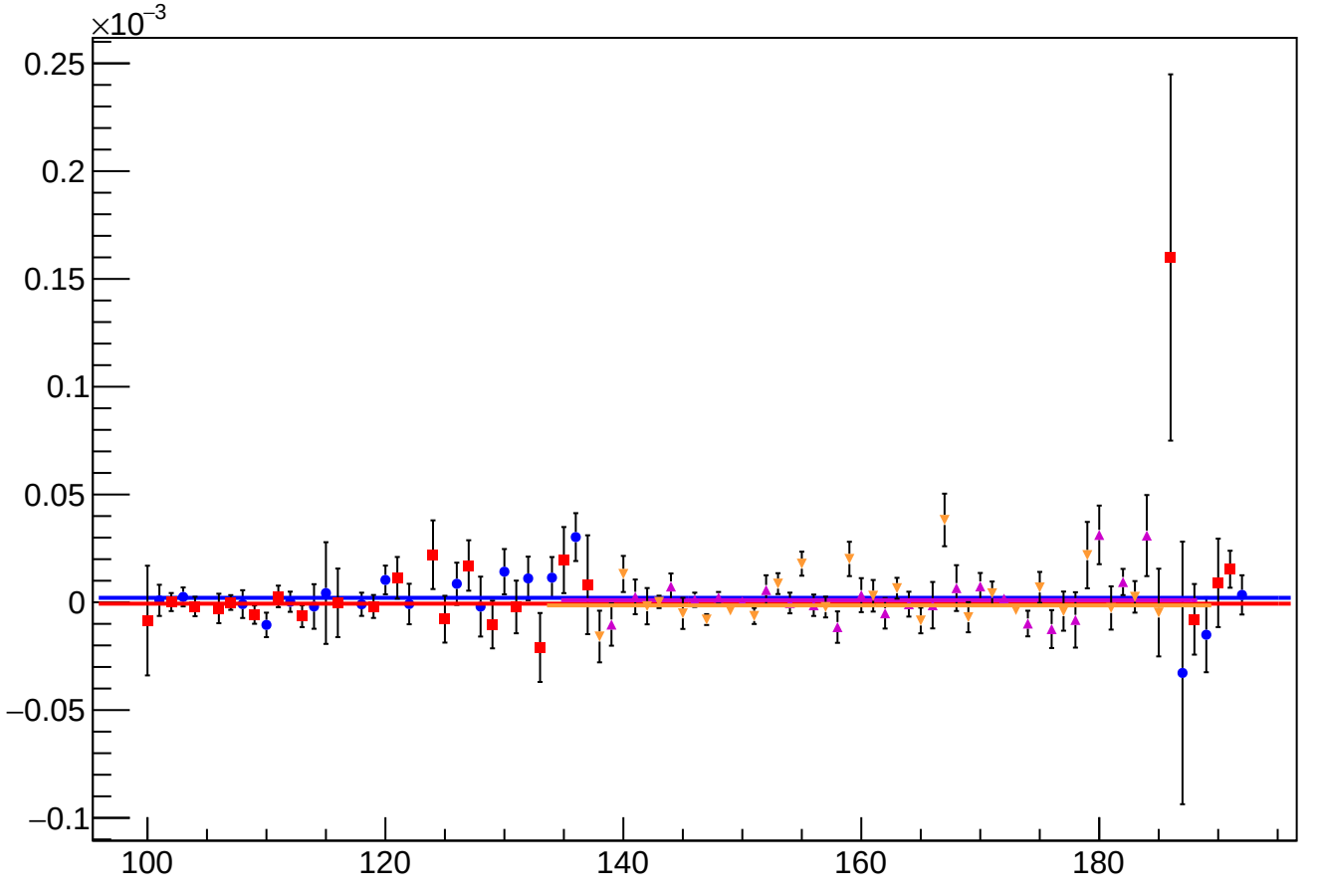
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 66.340+/-0.013 χ^2/NDF: 9073480.9/41

In: 88.563+/-0.014 χ^2/NDF:11428276.3/41

Out: 91.031+/-0.014 χ^2/NDF:11864194.3/47

All: 89.810+/-0.010 χ^2/NDF: 23307974.5/89



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: 21.7/22

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

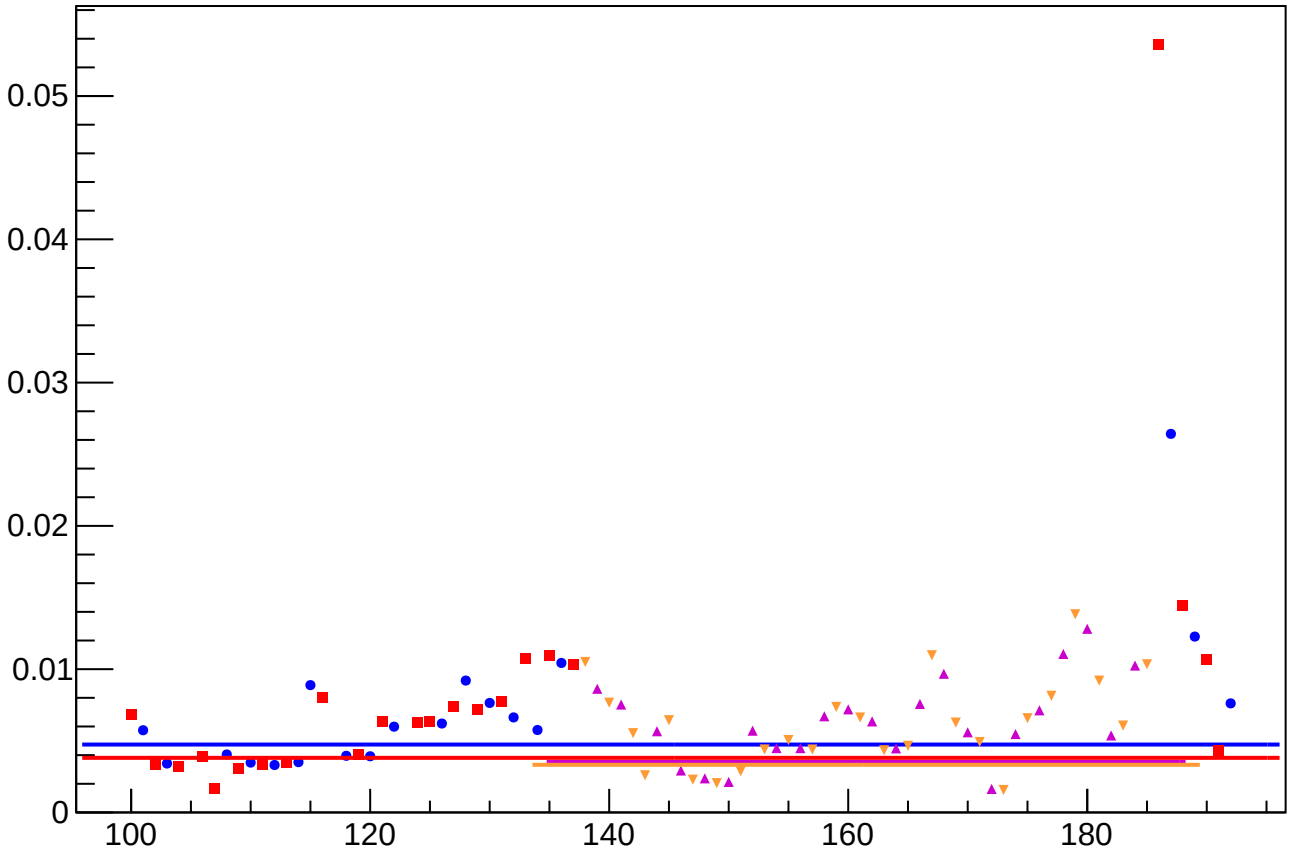
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 41.9/41

In: 0.000+/-0.000 χ^2/NDF:43.5/41

Out: -0.000+/-0.000 χ^2/NDF:82.4/47

All: -0.000+/-0.000 χ^2/NDF: 130.4/89



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: 4717396.5/22

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

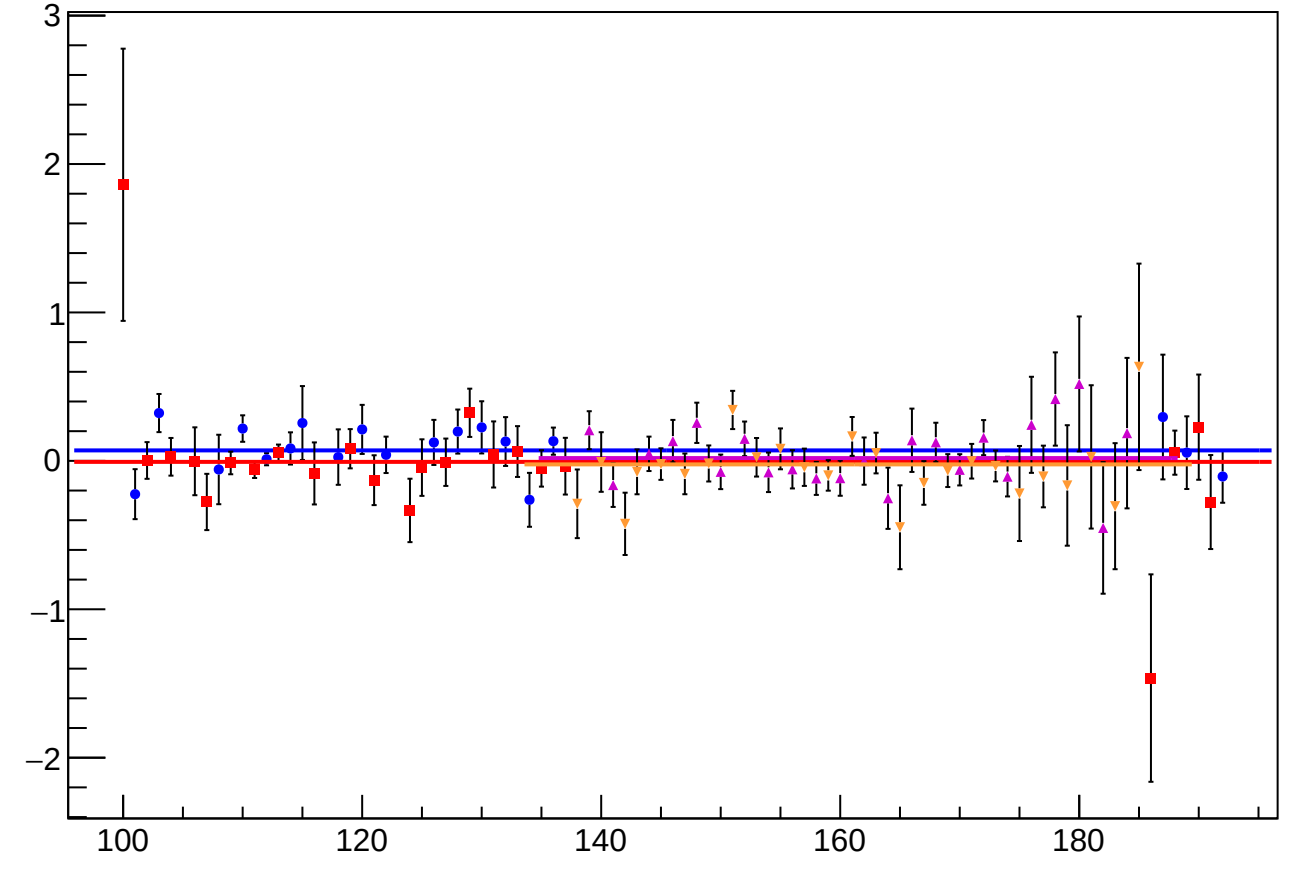
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.004+/-0.000 χ^2/NDF: 7621816.8/41

In: 0.004+/-0.000 χ^2/NDF:12727631.8/41

Out: 0.003+/-0.000 χ^2/NDF:15361848.4/47

All: 0.004+/-0.000 χ^2/NDF: 28275416.1/89



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: -0.007+/-0.026 χ^2/NDF: 22.1/22

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

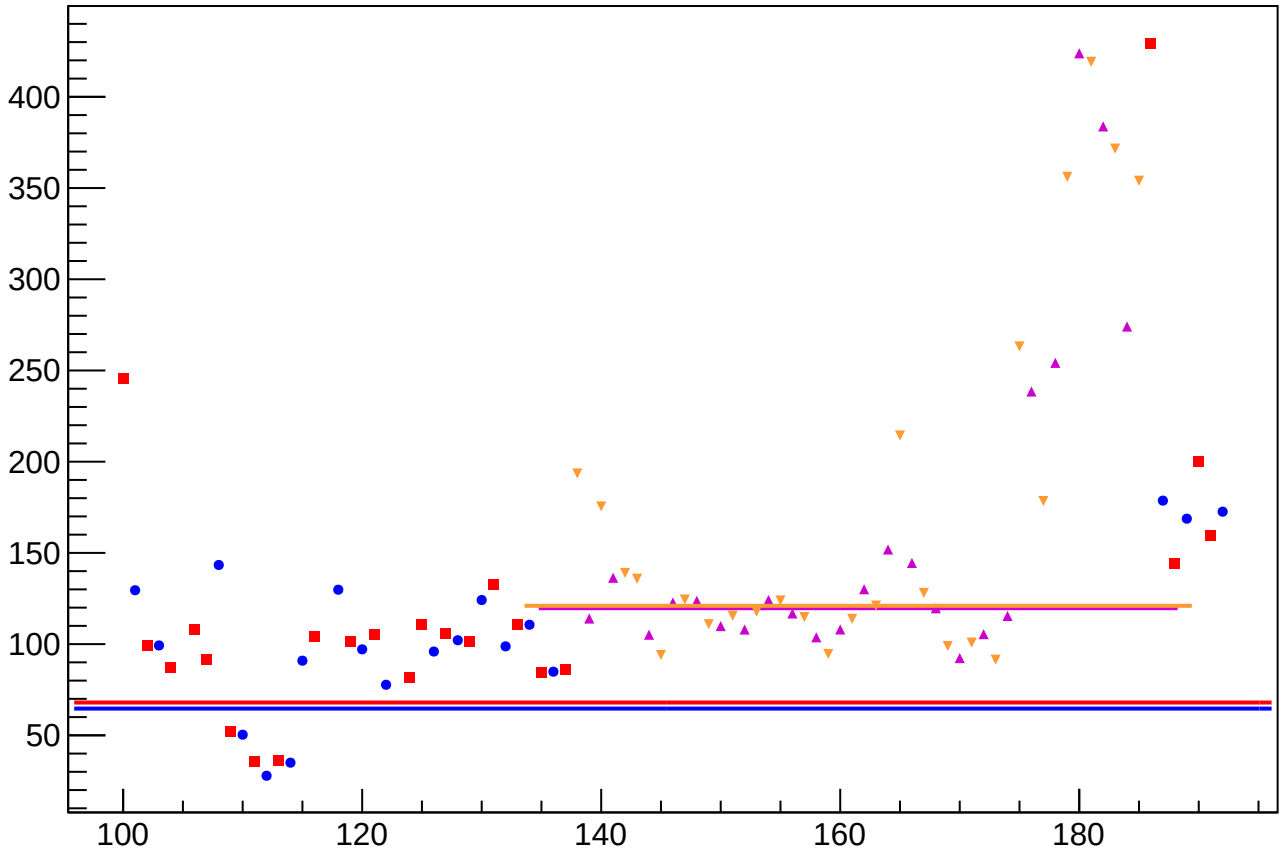
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.031+/-0.019 χ^2/NDF: 46.7/41

In: 0.048+/-0.020 χ^2/NDF:45.0/41

Out: -0.014+/-0.020 χ^2/NDF:44.5/47

All: 0.017+/-0.014 χ^2/NDF: 94.4/89



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: 67.985+/-0.019 χ^2/NDF: 4215846.7/22

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

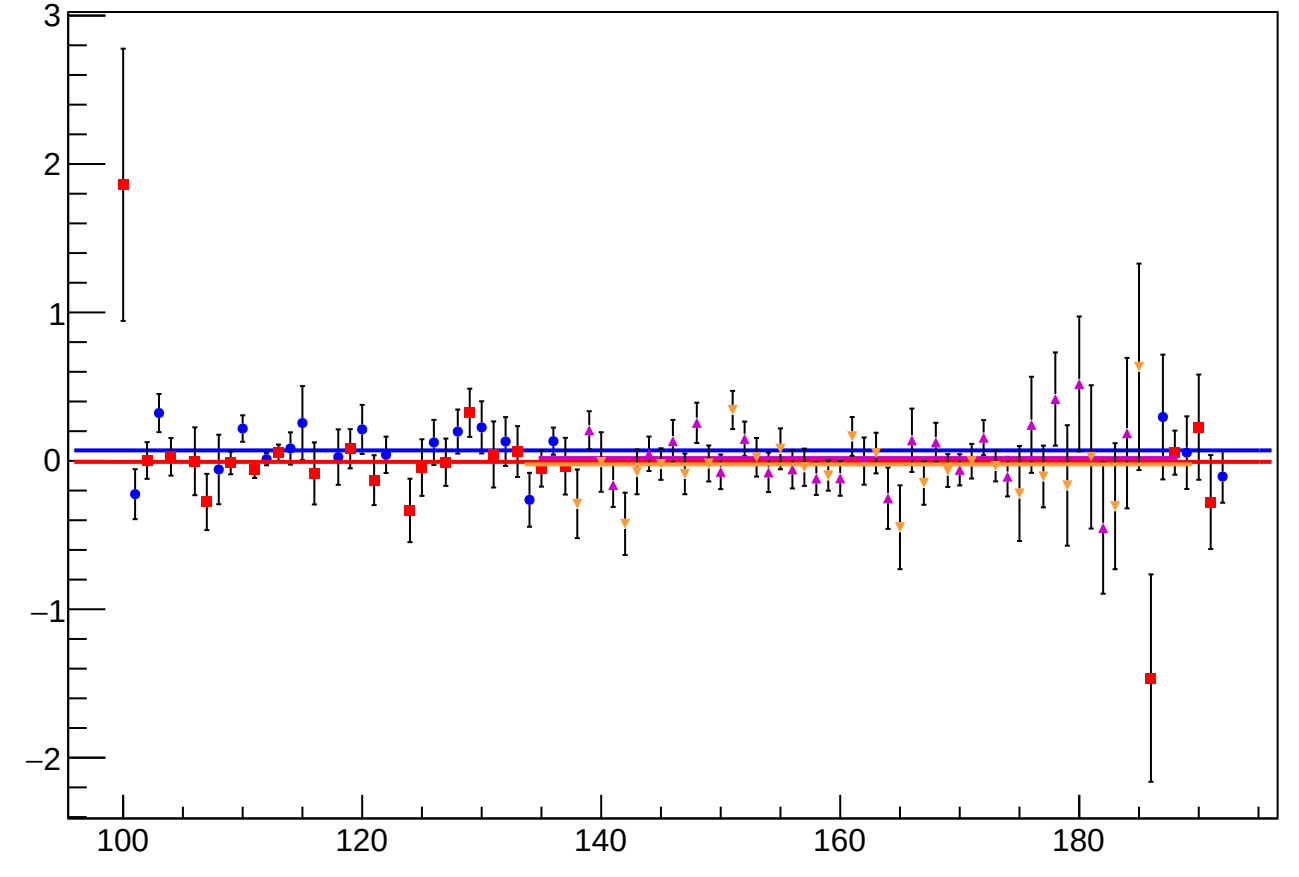
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 66.338+/-0.013 χ^2/NDF: 9074088.5/41

In: 88.561+/-0.014 χ^2/NDF:11428964.8/41

Out: 91.030+/-0.014 χ^2/NDF:11864857.1/47

All: 89.808+/-0.010 χ^2/NDF: 23309330.5/89



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: -0.007+/-0.026 χ^2/NDF: 22.1/22

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

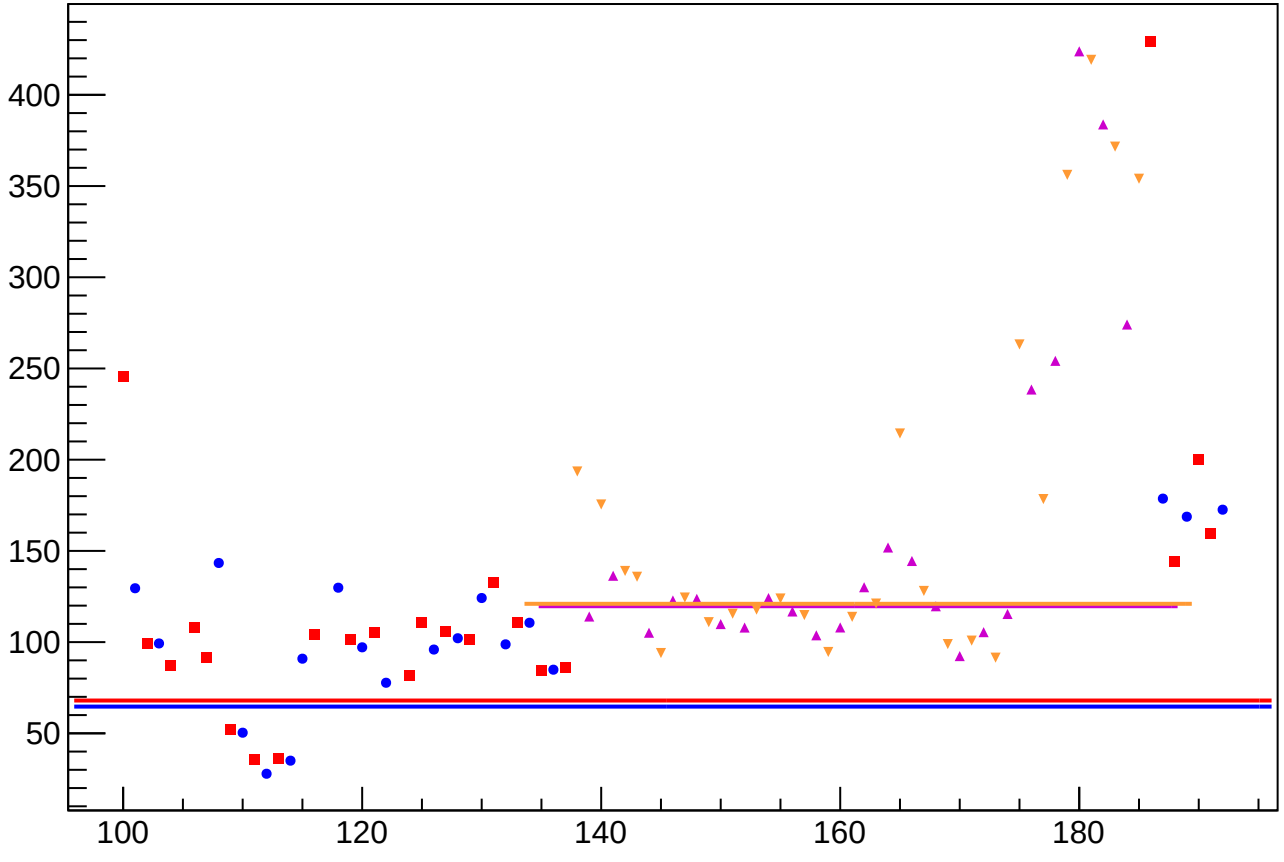
Right: 0.031+/-0.019 χ^2/NDF: 46.7/41

In: 0.048+/-0.020 χ^2/NDF:45.0/41

Out: -0.014+/-0.020 χ^2/NDF:44.5/47

All: 0.017+/-0.014 χ^2/NDF: 94.4/89

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: 67.985+/-0.019 χ^2/NDF: 4215846.7/22

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

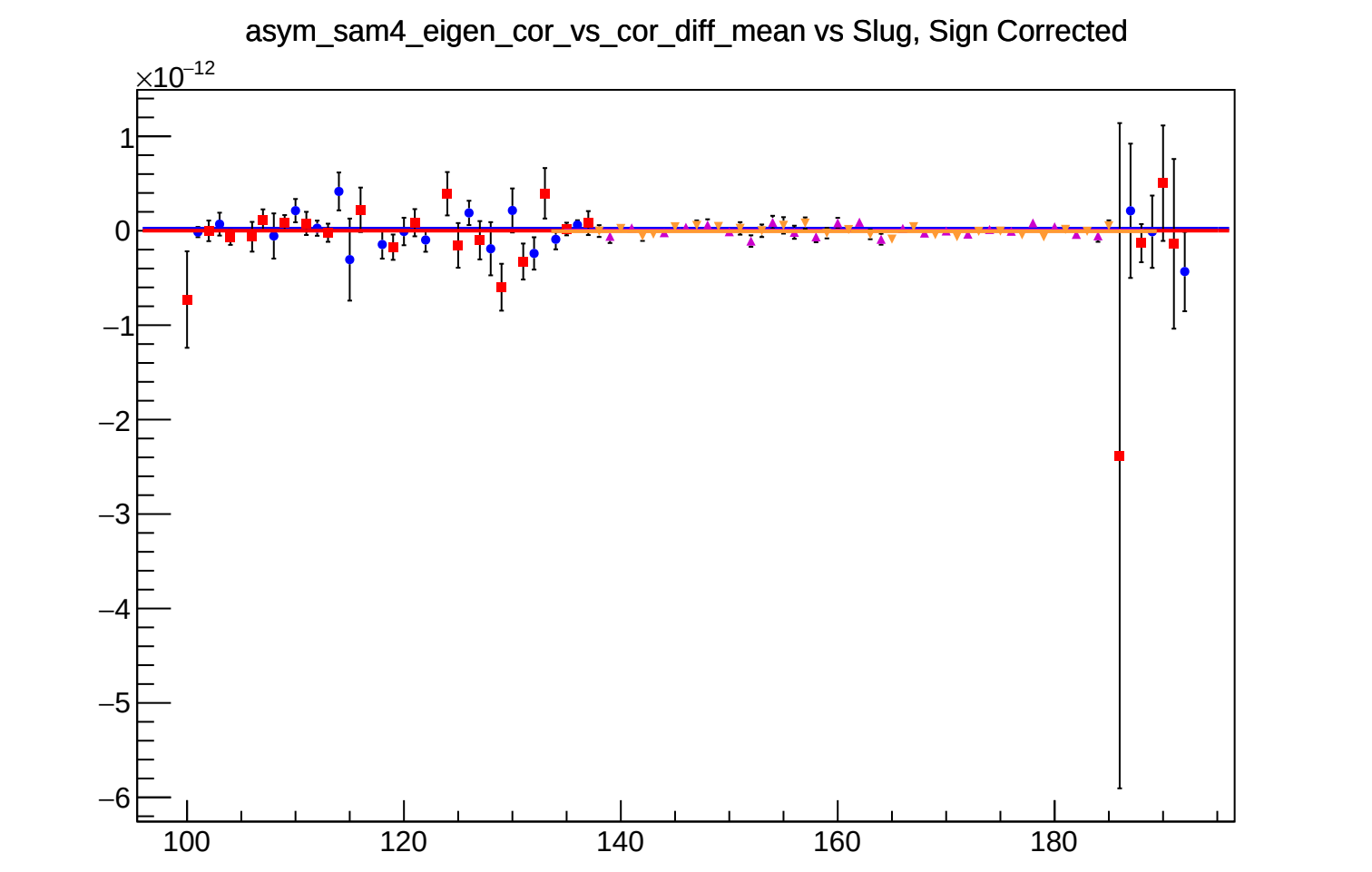
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 66.338+/-0.013 χ^2/NDF: 9074088.5/41

In: 88.561+/-0.014 χ^2/NDF:11428964.8/41

Out: 91.030+/-0.014 χ^2/NDF:11864857.1/47

All: 89.808+/-0.010 χ^2/NDF: 23309330.5/89



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: 24.8/22

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

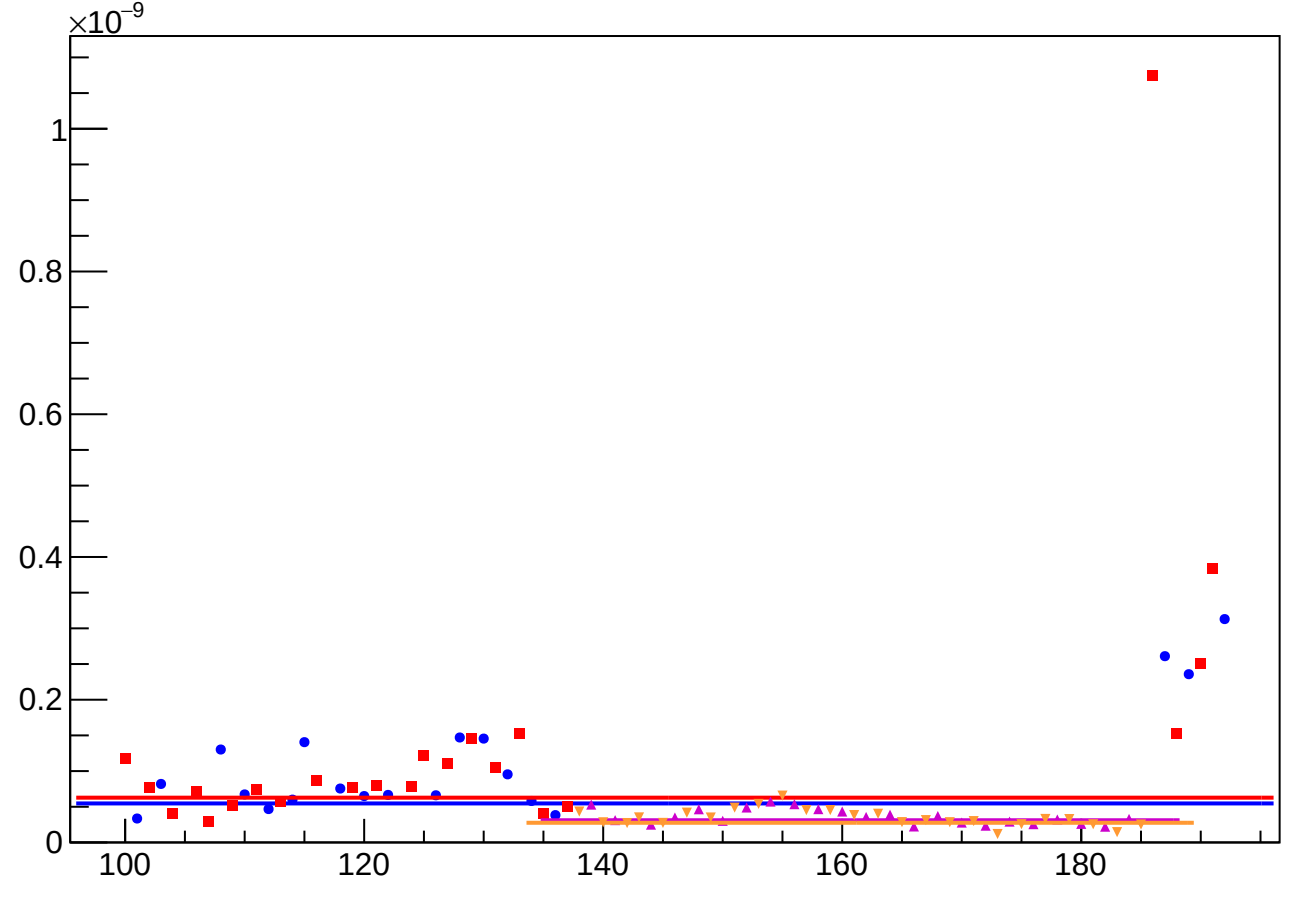
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 43.1/41

In: 0.000+/-0.000 χ^2/NDF:46.1/41

Out: -0.000+/-0.000 χ^2/NDF:47.1/47

All: -0.000+/-0.000 χ^2/NDF: 93.9/89



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: 2560075.5/22

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

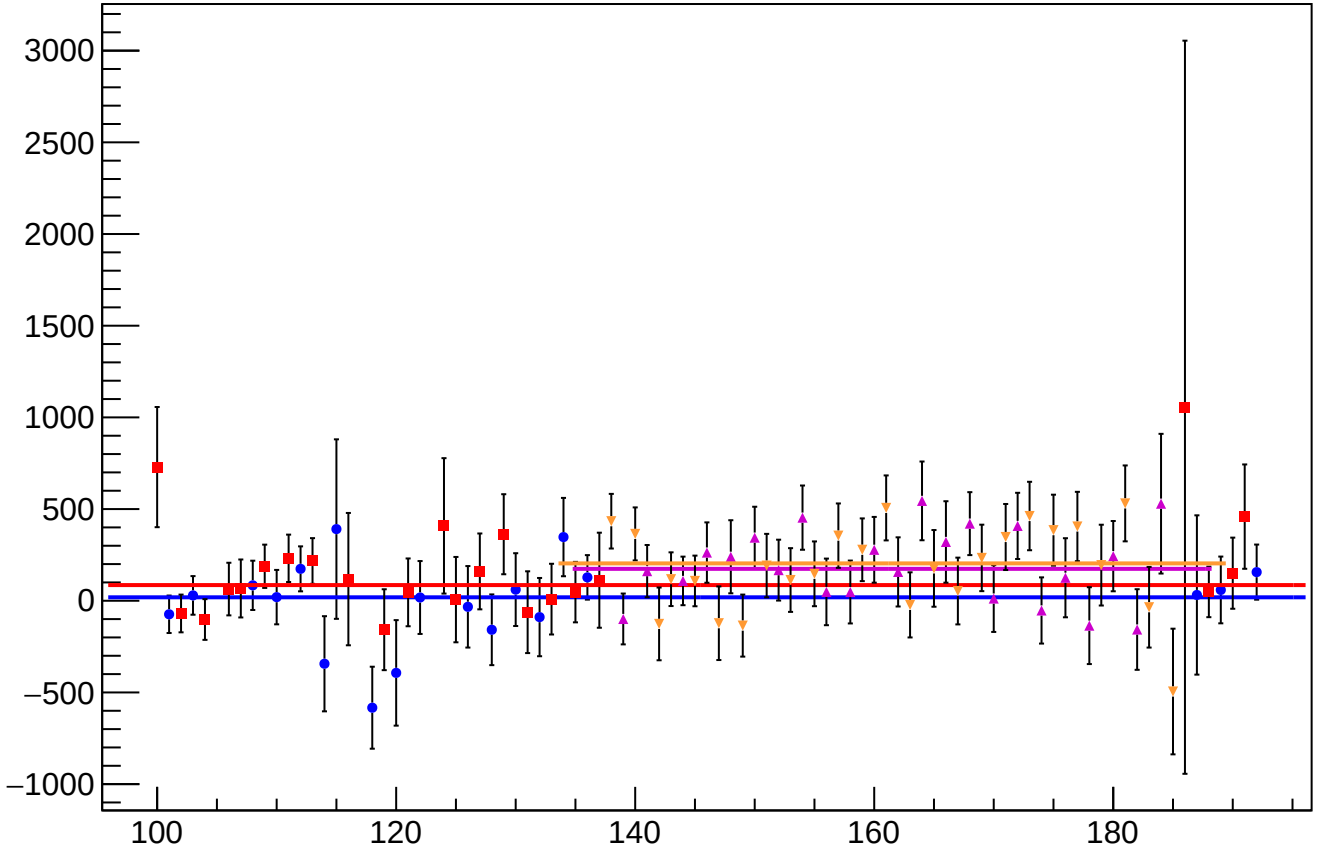
Right: 0.000+/-0.000 χ^2/NDF: 5680167.3/41

In: 0.000+/-0.000 χ^2/NDF:6433619.9/41

Out: 0.000+/-0.000 χ^2/NDF:9067637.3/47

All: 0.000+/-0.000 χ^2/NDF: 15677948.0/89

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: 85.513+/-35.627 χ^2/NDF: 18.9/22

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

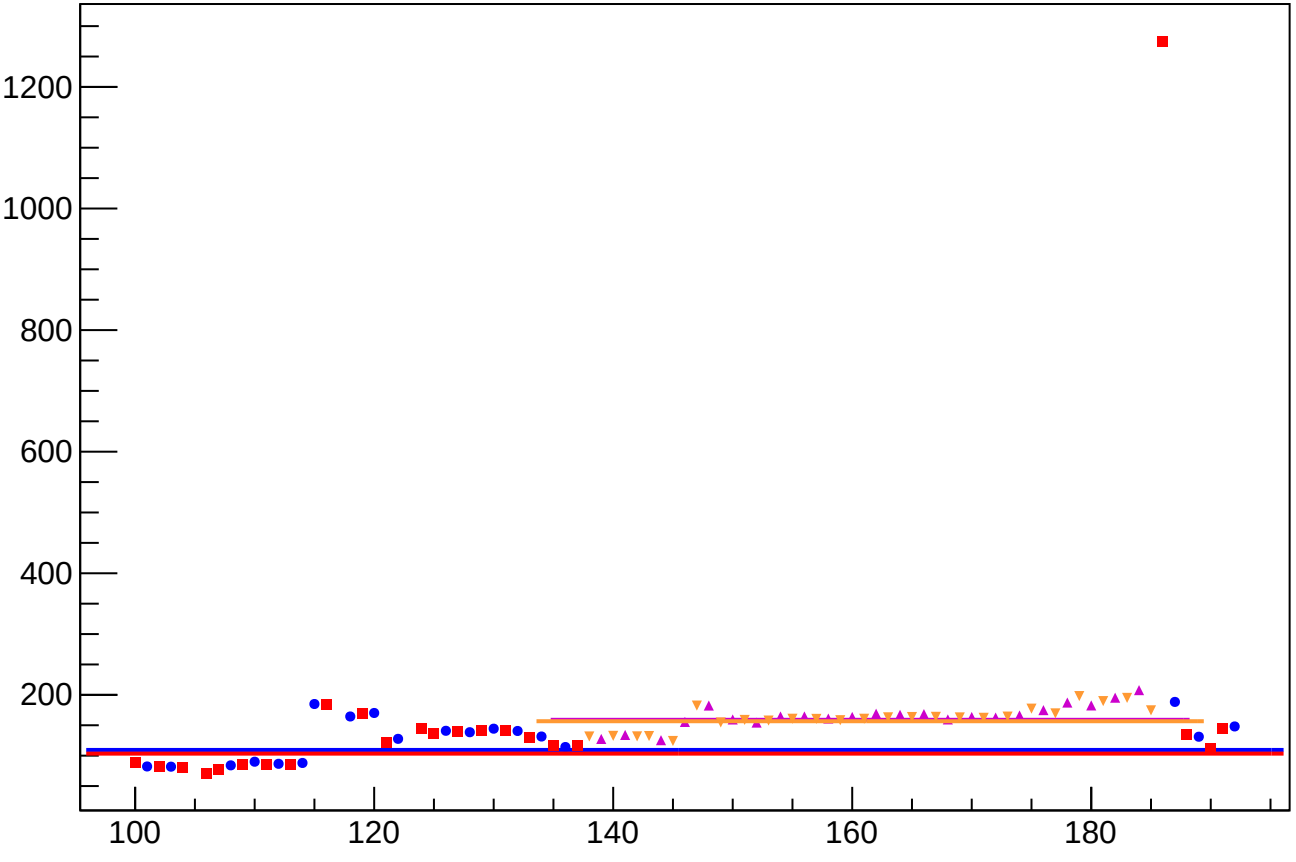
Right: 54.274+/-25.978 χ^2/NDF: 40.3/41

In: 97.536+/-26.644 χ^2/NDF:52.7/41

Out: 144.222+/-25.280 χ^2/NDF:57.2/47

All: 122.105+/-18.339 χ^2/NDF: 111.6/89

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: 103.340+/-0.025 χ^2/NDF: 1894893.7/22

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

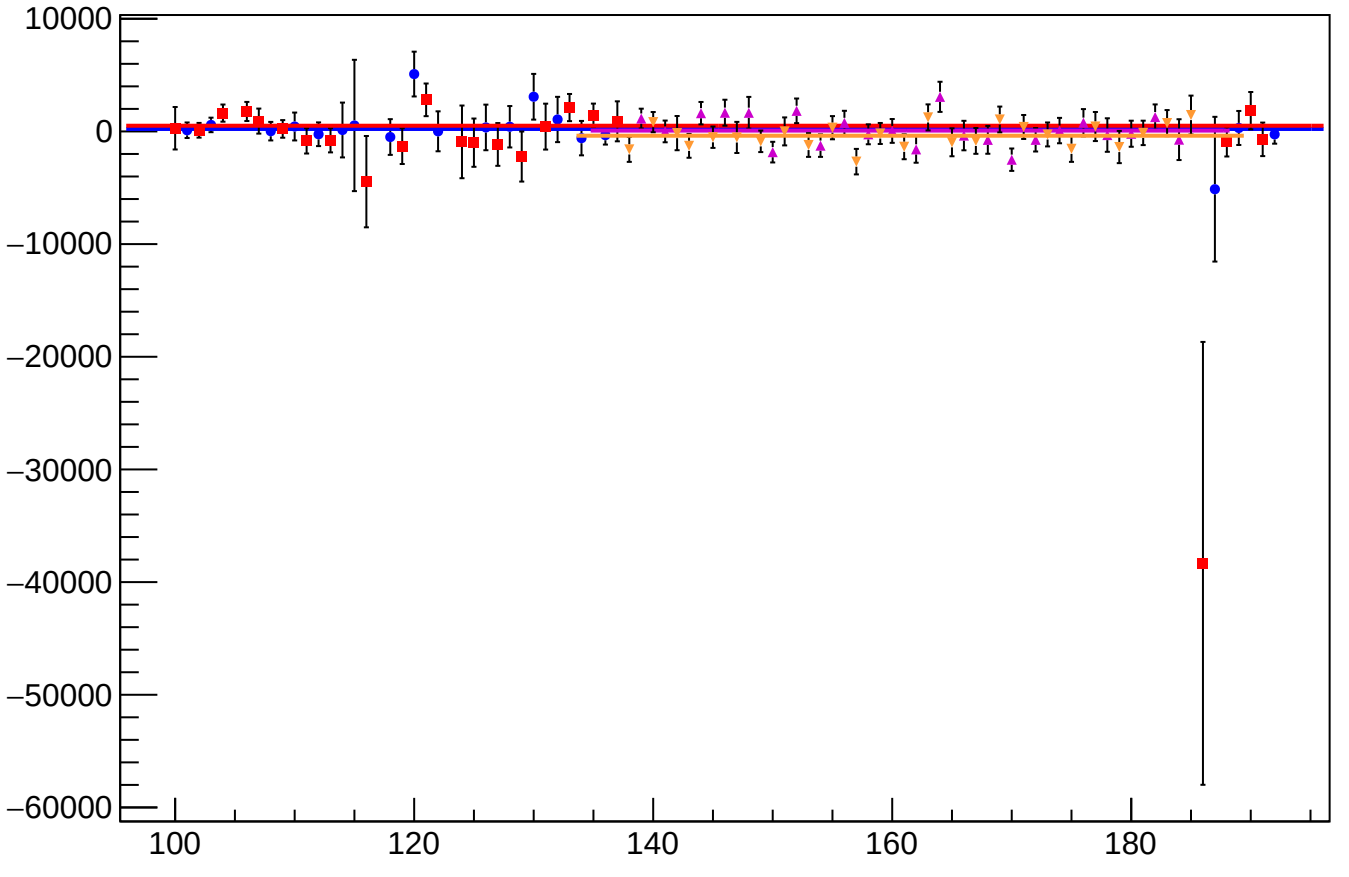
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 106.177+/-0.018 χ^2/NDF: 3105545.3/41

In: 134.541+/-0.019 χ^2/NDF:3423985.5/41

Out: 129.802+/-0.018 χ^2/NDF:4699655.1/47

All: 132.047+/-0.013 χ^2/NDF: 8156940.5/89



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: 506.260+/-256.817 χ^2/NDF: 25.3/22

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

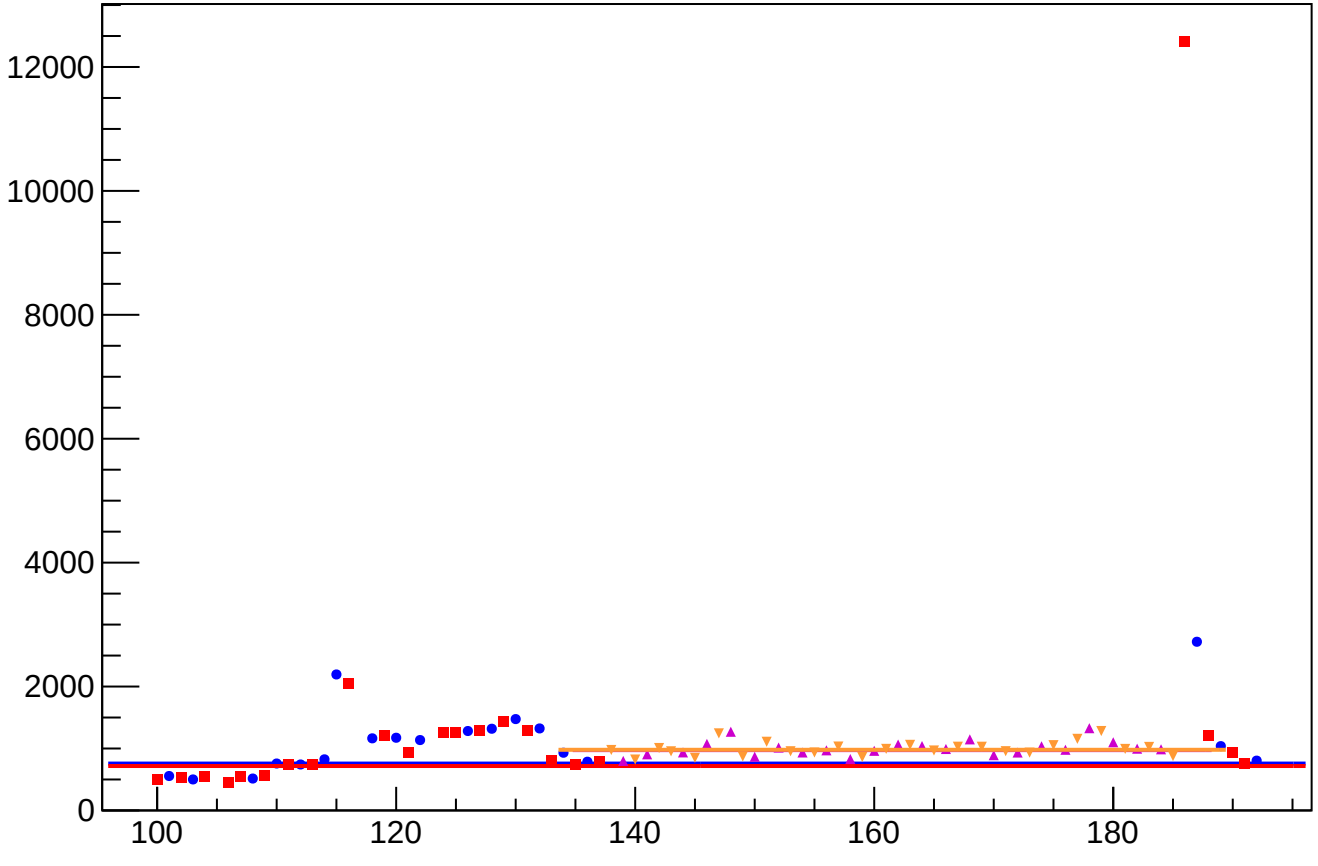
Right: 370.726+/-186.673 χ^2/NDF: 36.7/41

In: 134.652+/-175.483 χ^2/NDF:44.0/41

Out: 3.605+/-169.046 χ^2/NDF:50.8/47

All: 66.681+/-121.746 χ^2/NDF: 95.1/89

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: 717.236+/-0.182 χ^2/NDF: 2889294.0/22

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

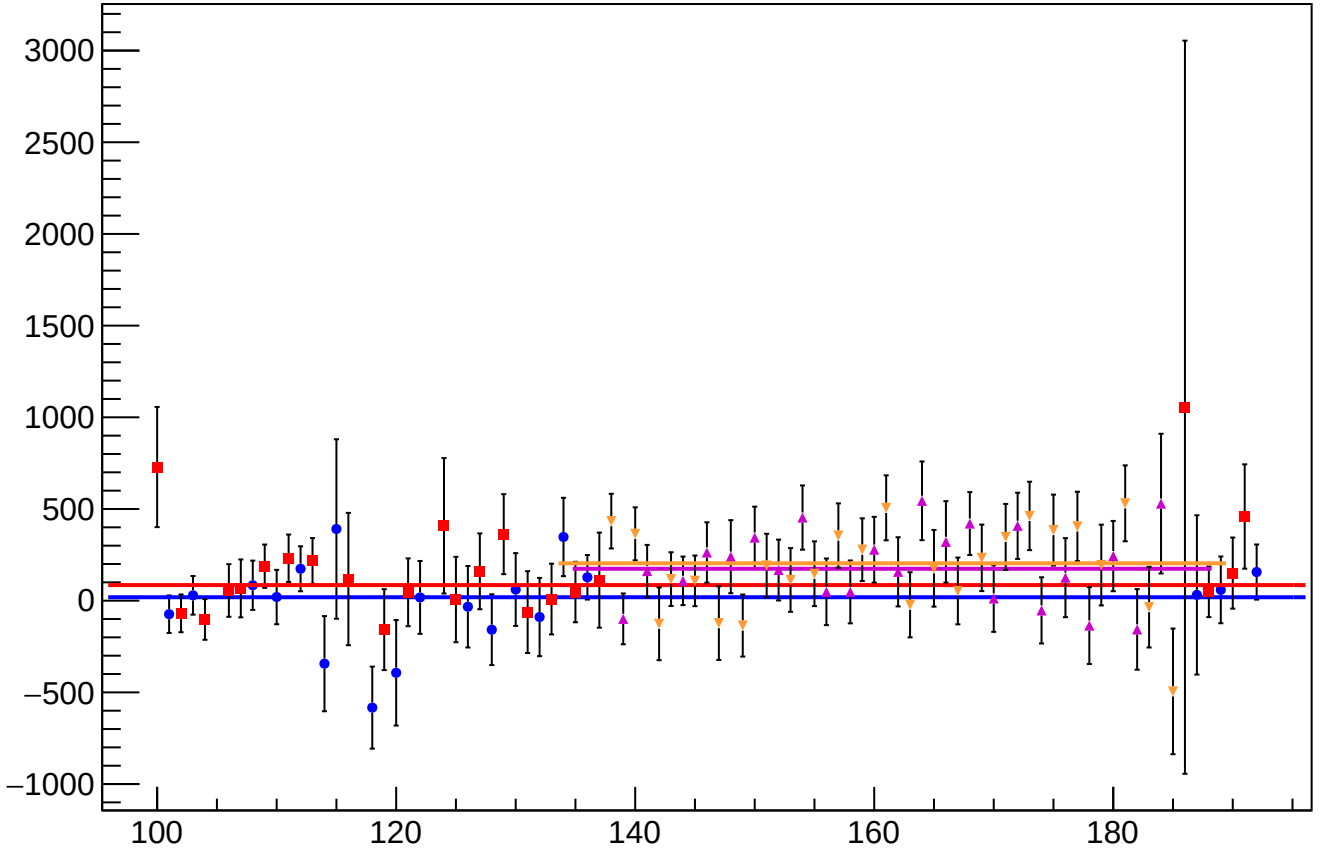
Right: 735.890+/-0.132 χ^2/NDF: 5029571.8/41

In: 883.358+/-0.124 χ^2/NDF:3360144.9/41

Out: 865.647+/-0.120 χ^2/NDF:4497630.5/47

All: 874.172+/-0.086 χ^2/NDF: 7868342.2/89

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: 85.041+/-35.629 χ^2/NDF: 18.9/22

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

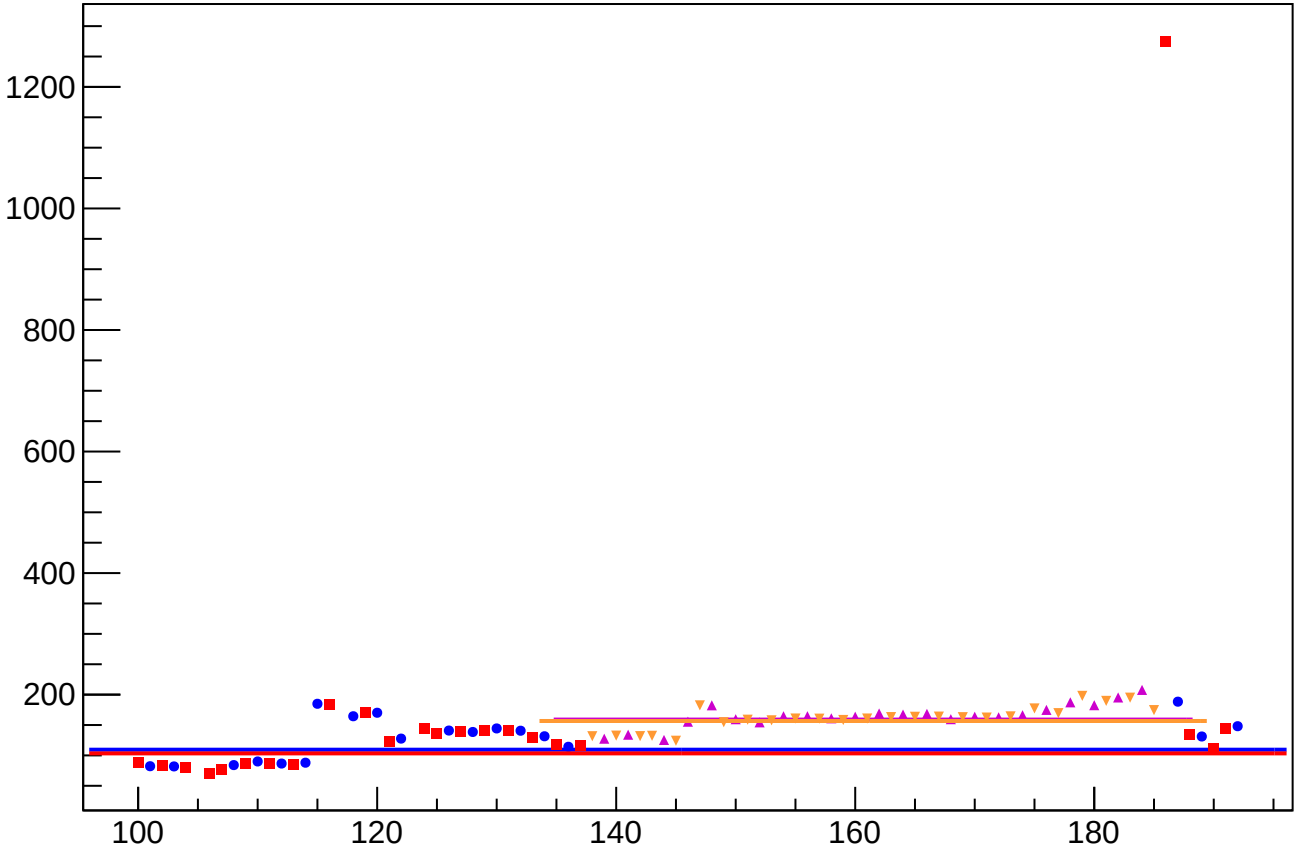
Right: 54.017+/-25.979 χ^2/NDF: 40.3/41

In: 97.534+/-26.644 χ^2/NDF:52.8/41

Out: 143.991+/-25.281 χ^2/NDF:57.3/47

All: 121.982+/-18.339 χ^2/NDF: 111.6/89

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: 103.319+/-0.025 χ^2/NDF: 1897332.6/22

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

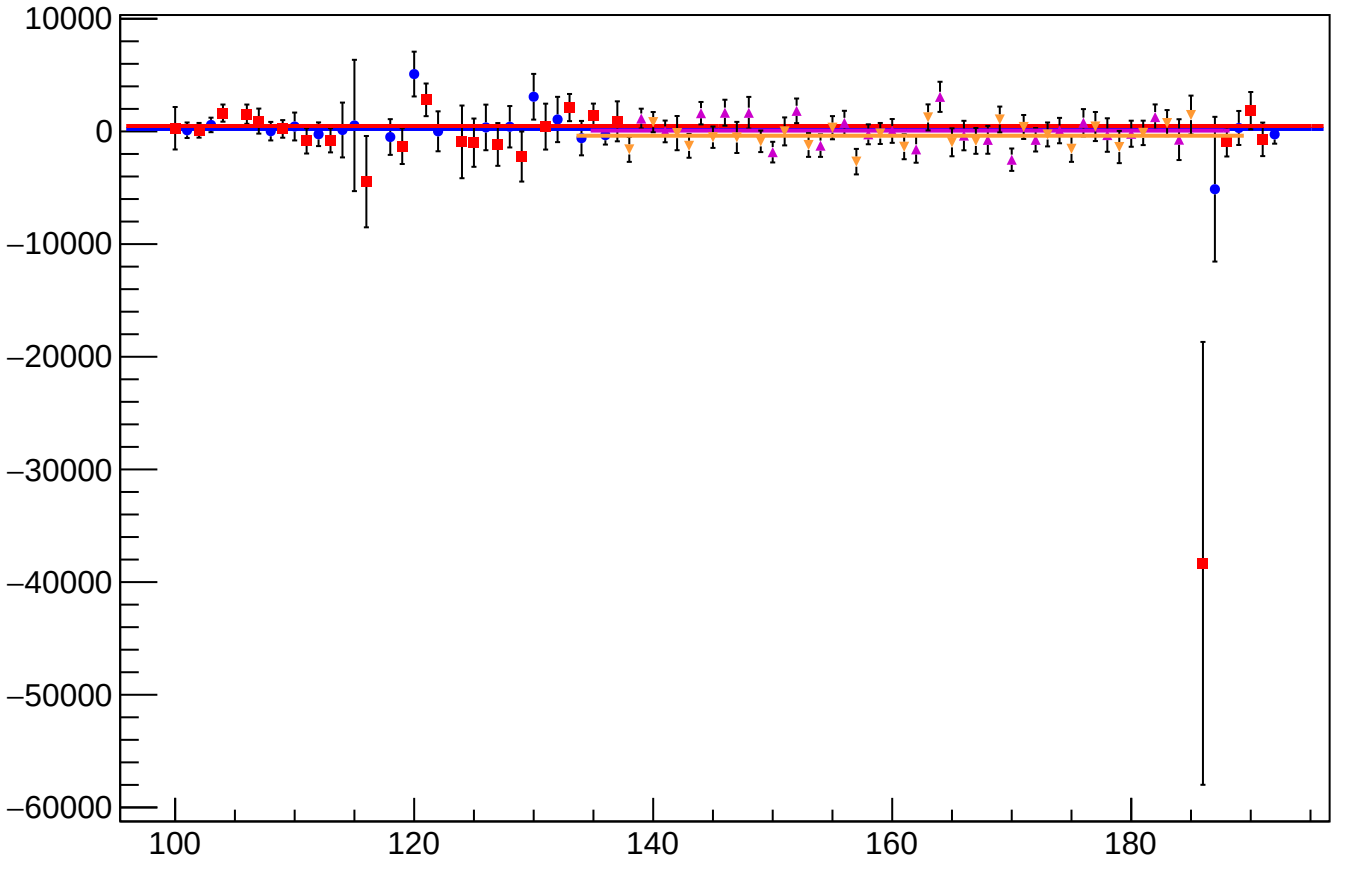
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 106.166+/-0.018 χ^2/NDF: 3108166.6/41

In: 134.541+/-0.019 χ^2/NDF:3423983.5/41

Out: 129.793+/-0.018 χ^2/NDF:4703676.2/47

All: 132.042+/-0.013 χ^2/NDF: 8161081.3/89



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: 482.797+/-256.970 χ^2/NDF: 24.5/22

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

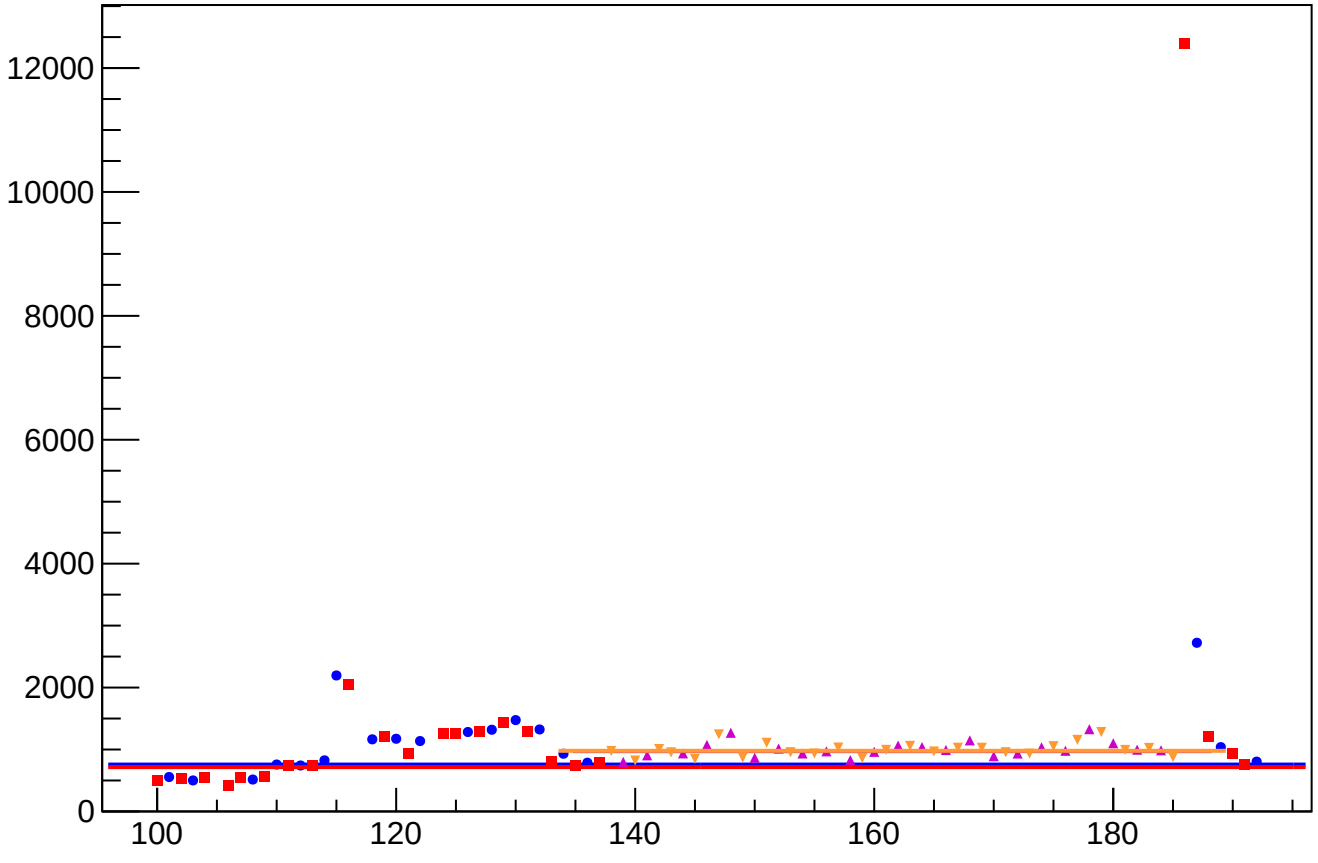
Right: 358.252+/-186.732 χ^2/NDF: 35.8/41

In: 134.653+/-175.483 χ^2/NDF:44.0/41

Out: -6.808+/-169.090 χ^2/NDF:49.7/47

All: 61.299+/-121.762 χ^2/NDF: 94.0/89

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: 715.345+/-0.182 χ^2/NDF: 2924135.6/22

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

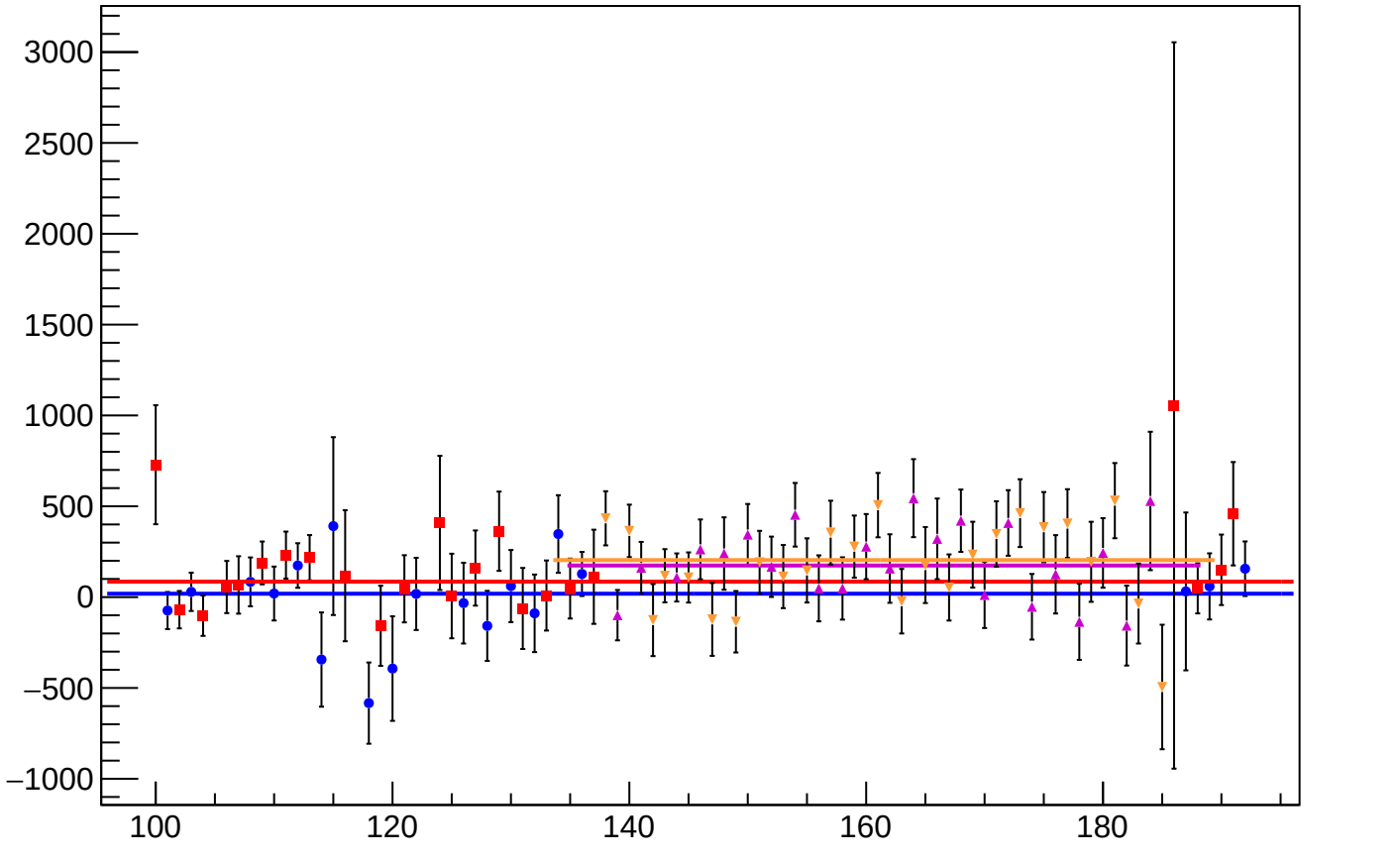
Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

Right: 734.903+/-0.132 χ^2/NDF: 5066591.5/41

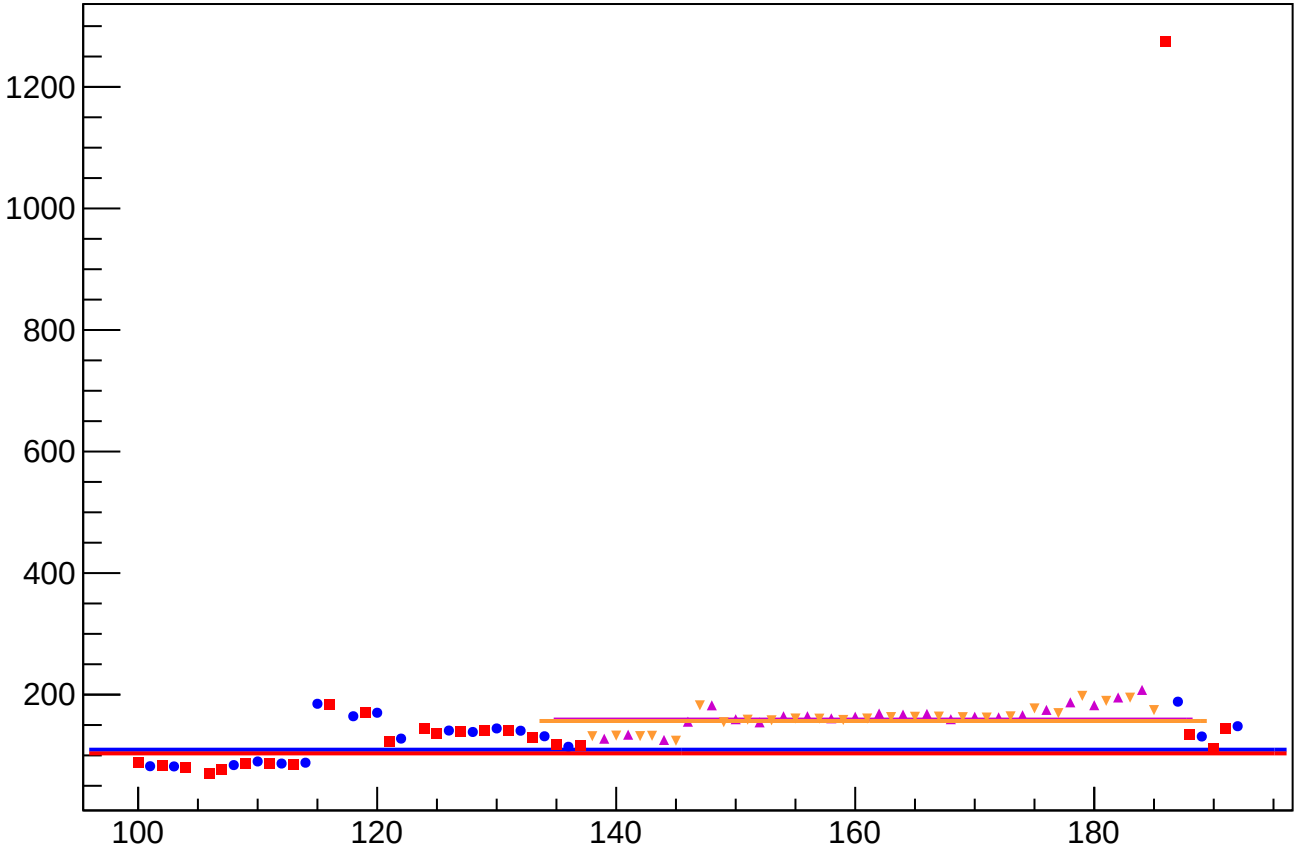
In: 883.358+/-0.124 χ^2/NDF:3360152.4/41

Out: 864.905+/-0.120 χ^2/NDF:4548739.6/47

All: 873.789+/-0.086 χ^2/NDF: 7920358.9/89


eigen_cor_asym_sam5_mean vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
Right In: 18.797+/-37.962 χ²/NDF: 19.8/18
Left Out: 203.766+/-35.878 χ²/NDF:32.9/24
Right Out: 85.041+/-35.629 χ²/NDF: 18.9/22
Left In: 173.978+/-37.405 χ²/NDF:24.5/22
Left: 189.493+/-25.893 χ²/NDF: 57.7/47
Right: 54.017+/-25.979 χ²/NDF: 40.3/41
In: 97.534+/-26.644 χ²/NDF:52.8/41
Out: 143.991+/-25.281 χ²/NDF:57.3/47
All: 121.982+/-18.339 χ²/NDF: 111.6/89

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: 103.319+/-0.025 χ^2/NDF: 1897332.6/22

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

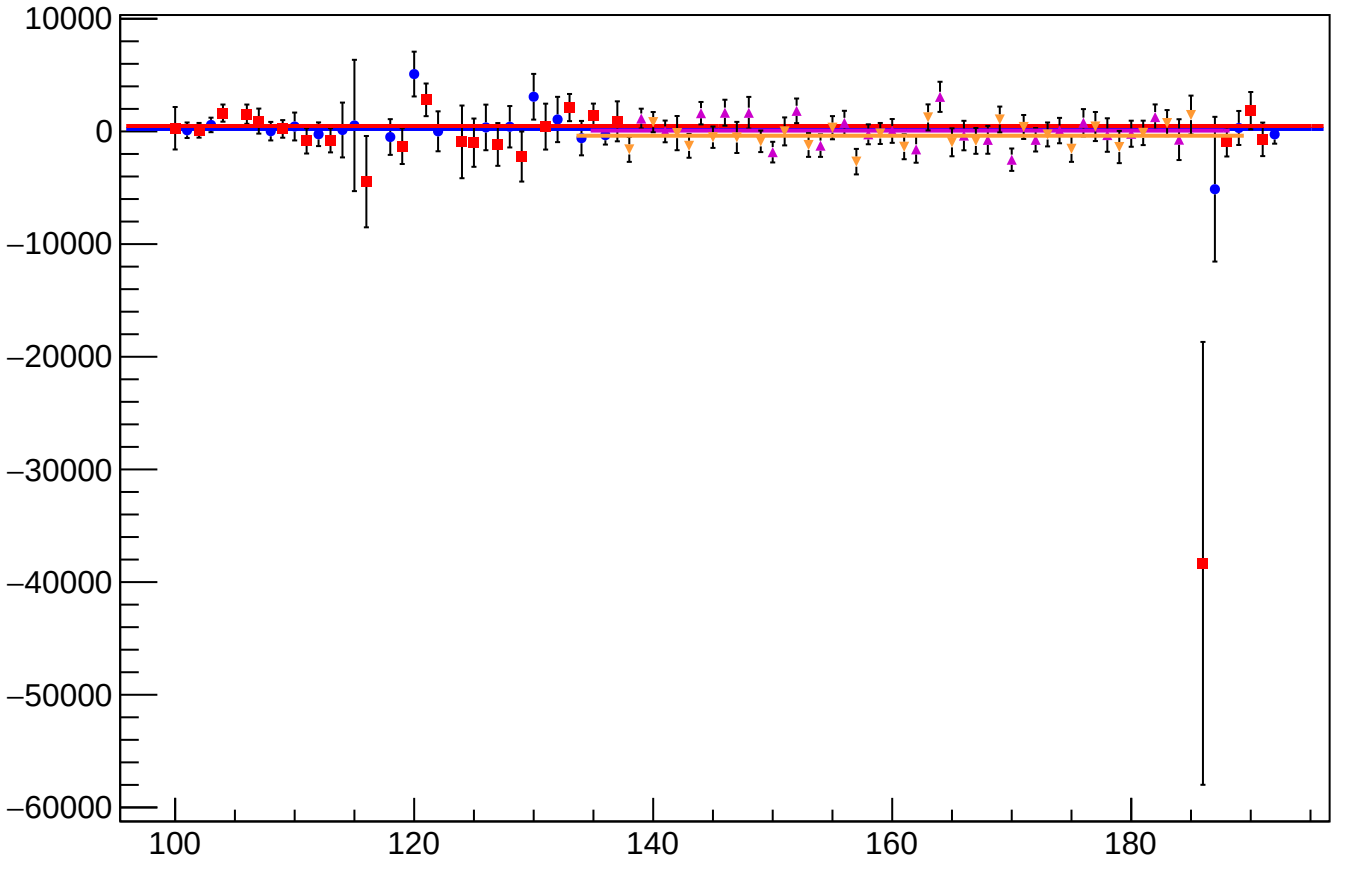
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 106.166+/-0.018 χ^2/NDF: 3108166.6/41

In: 134.541+/-0.019 χ^2/NDF:3423983.5/41

Out: 129.793+/-0.018 χ^2/NDF:4703676.2/47

All: 132.042+/-0.013 χ^2/NDF: 8161081.3/89



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: 482.797+/-256.970 χ^2/NDF: 24.5/22

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

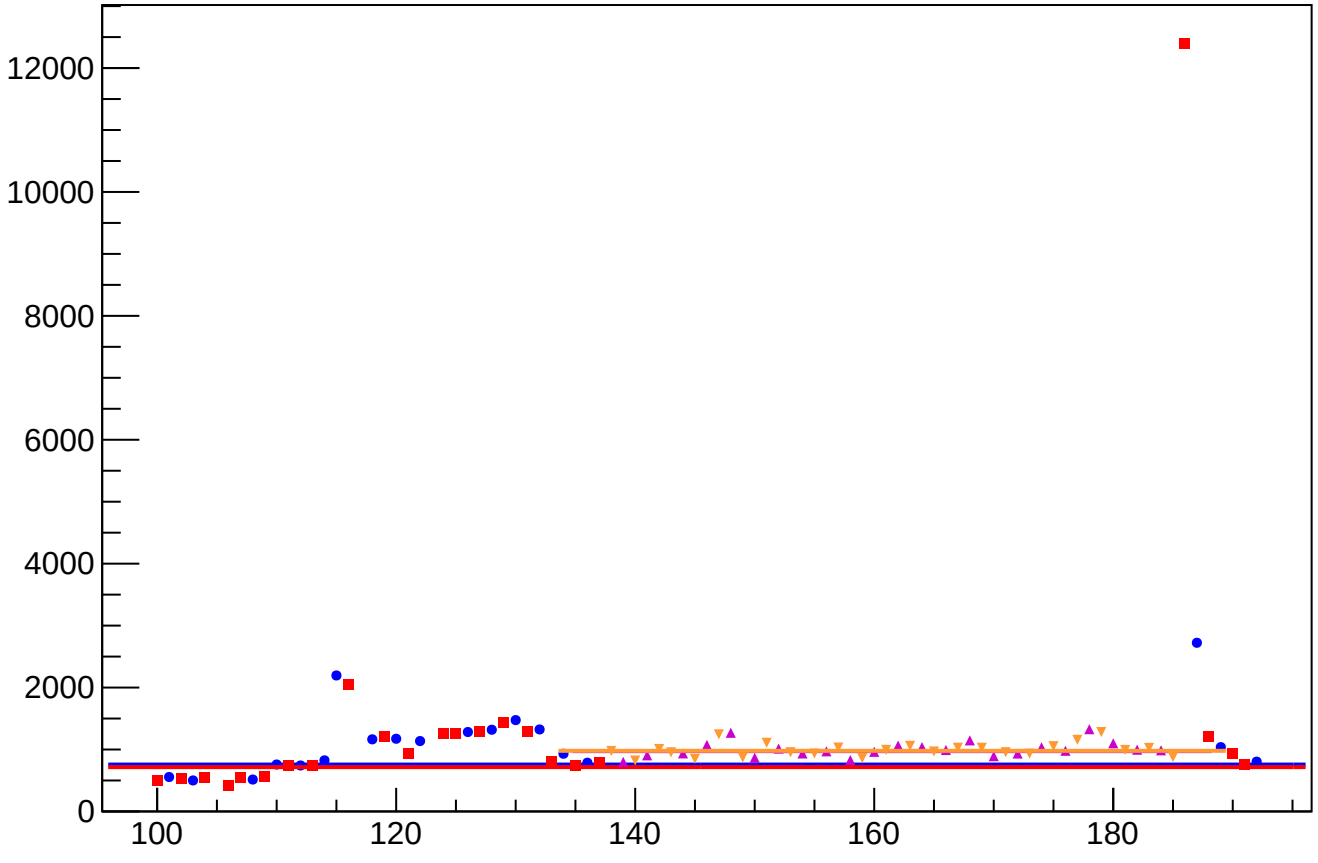
Right: 358.252+/-186.732 χ^2/NDF: 35.8/41

In: 134.653+/-175.483 χ^2/NDF:44.0/41

Out: -6.808+/-169.090 χ^2/NDF:49.7/47

All: 61.299+/-121.762 χ^2/NDF: 94.0/89

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: 715.345+/-0.182 χ^2/NDF: 2924135.6/22

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

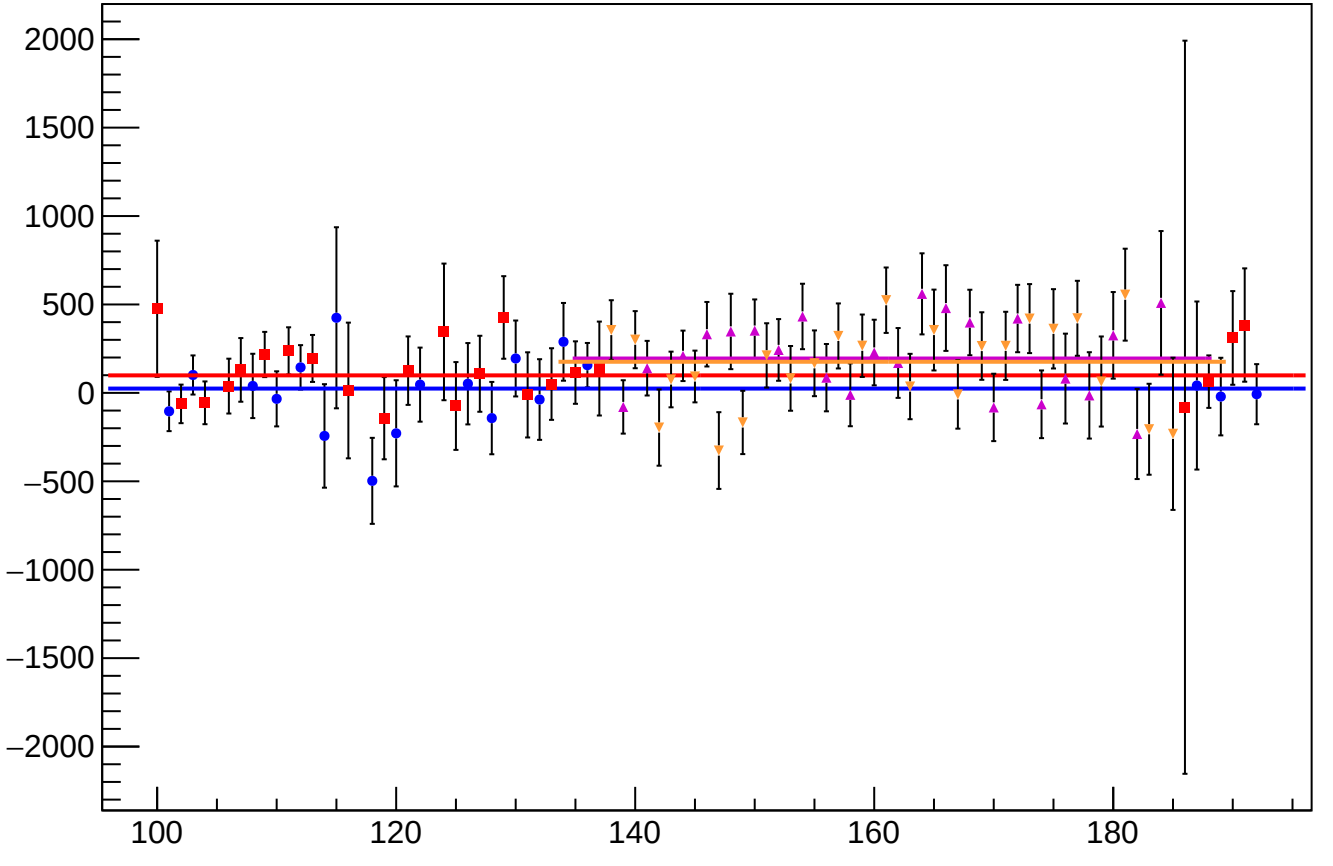
Right: 734.903+/-0.132 χ^2/NDF: 5066591.5/41

In: 883.358+/-0.124 χ^2/NDF:3360152.4/41

Out: 864.905+/-0.120 χ^2/NDF:4548739.6/47

All: 873.789+/-0.086 χ^2/NDF: 7920358.9/89

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: 99.042+/-38.401 χ^2/NDF: 13.2/22

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

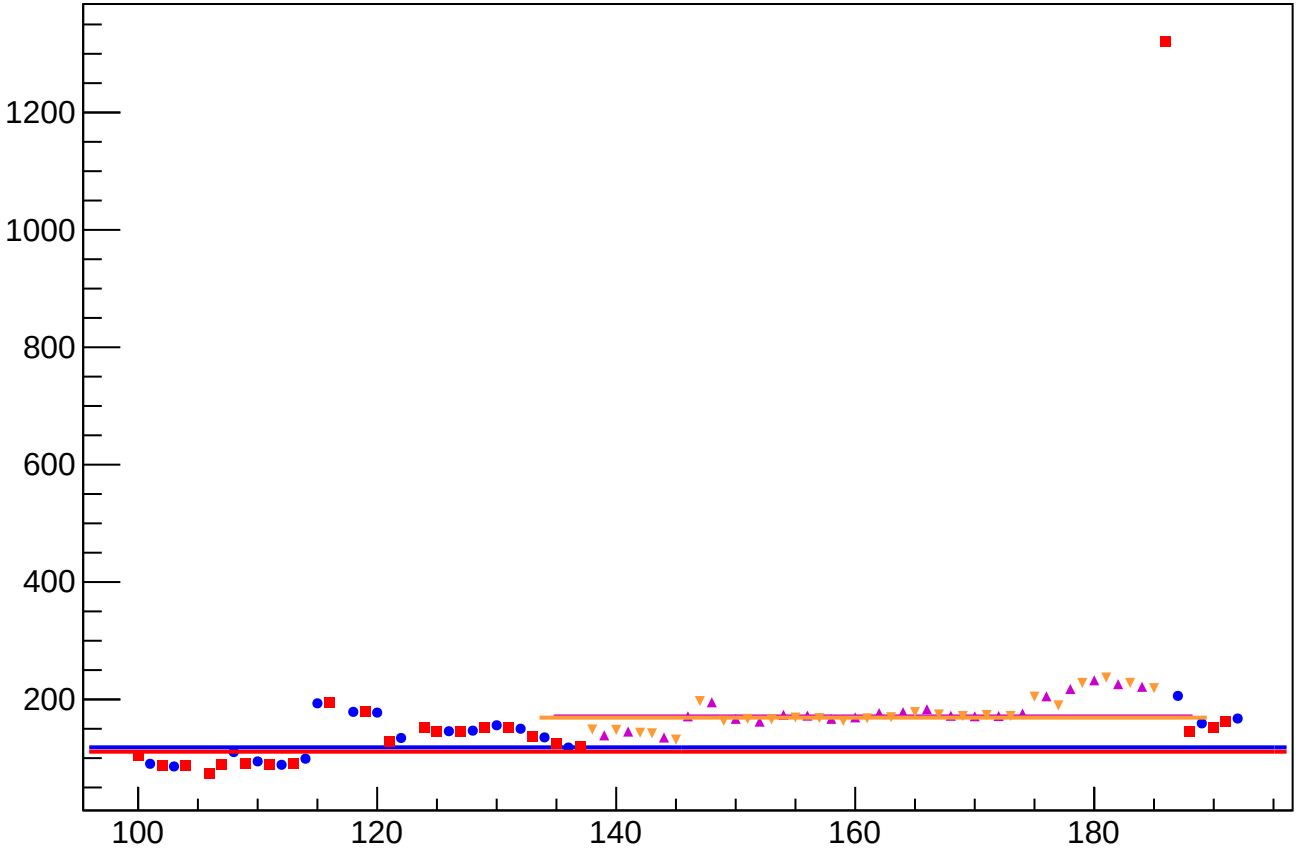
Right: 64.317+/-28.084 χ^2/NDF: 28.6/41

In: 111.010+/-28.832 χ^2/NDF:46.2/41

Out: 137.091+/-27.306 χ^2/NDF:46.0/47

All: 124.758+/-19.826 χ^2/NDF: 92.6/89

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: 110.964+/-0.027 χ^2/NDF: 1917829.7/22

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

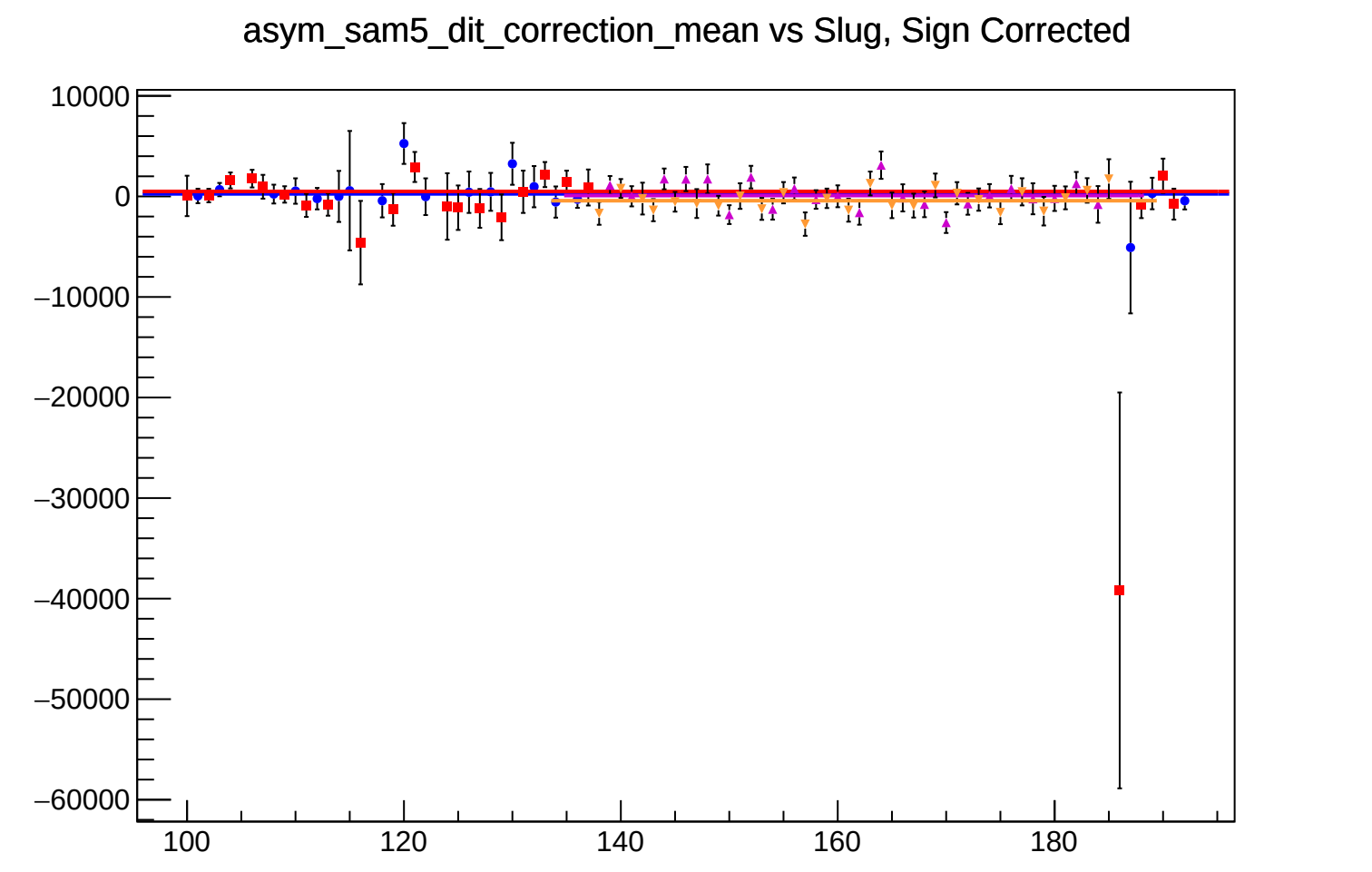
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 114.415+/-0.020 χ^2/NDF: 3161565.7/41

In: 145.214+/-0.020 χ^2/NDF:3553075.2/41

Out: 139.658+/-0.019 χ^2/NDF:4950773.3/47

All: 142.285+/-0.014 χ^2/NDF: 8542996.7/89



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: 497.286+/-265.574 χ^2/NDF: 25.0/22

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

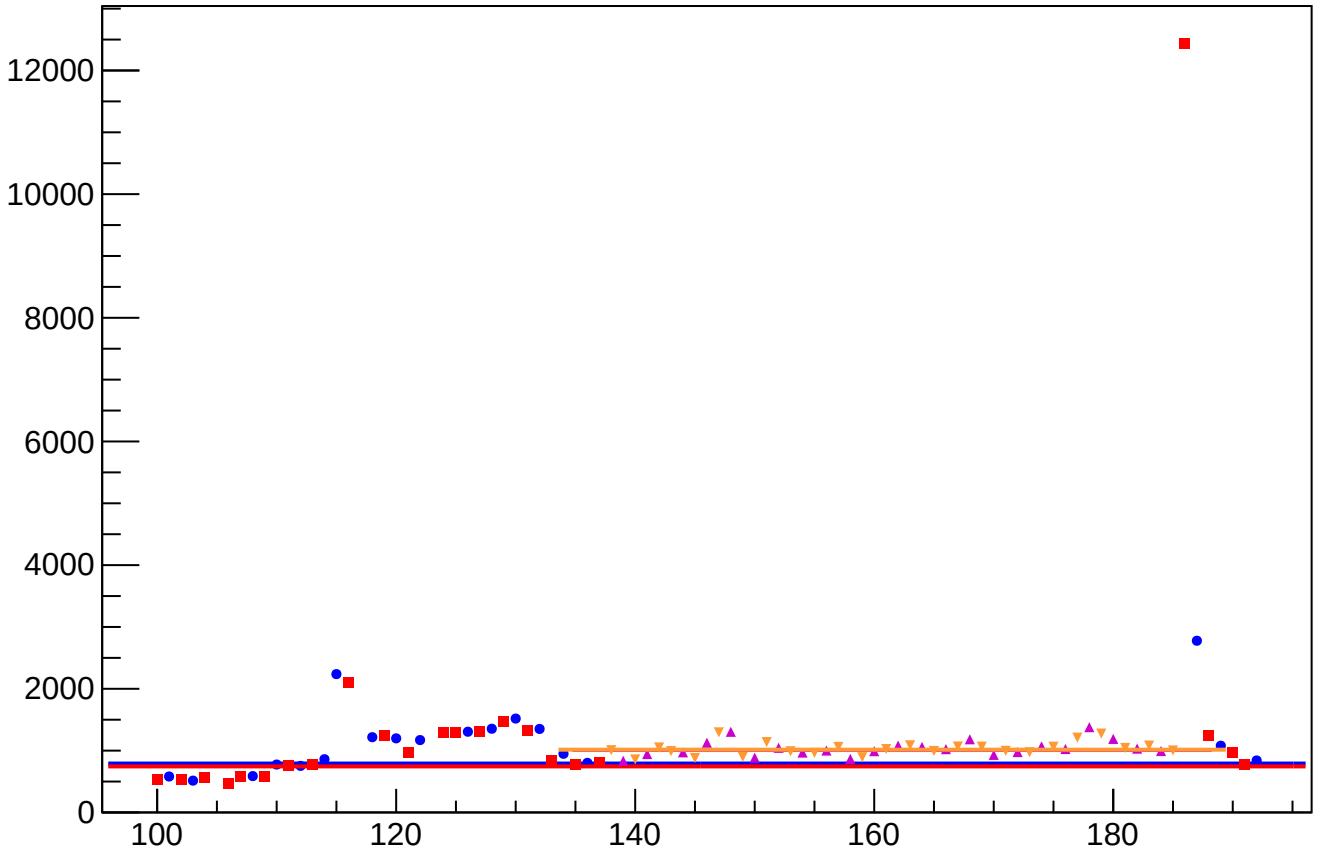
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 382.851+/-193.603 χ^2/NDF: 36.6/41

In: 155.593+/-182.174 χ^2/NDF:43.8/41

Out: -25.177+/-174.960 χ^2/NDF:50.2/47

All: 61.558+/-126.189 χ^2/NDF: 94.5/89



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: 744.556+/-0.188 χ^2/NDF: 2818299.1/22

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

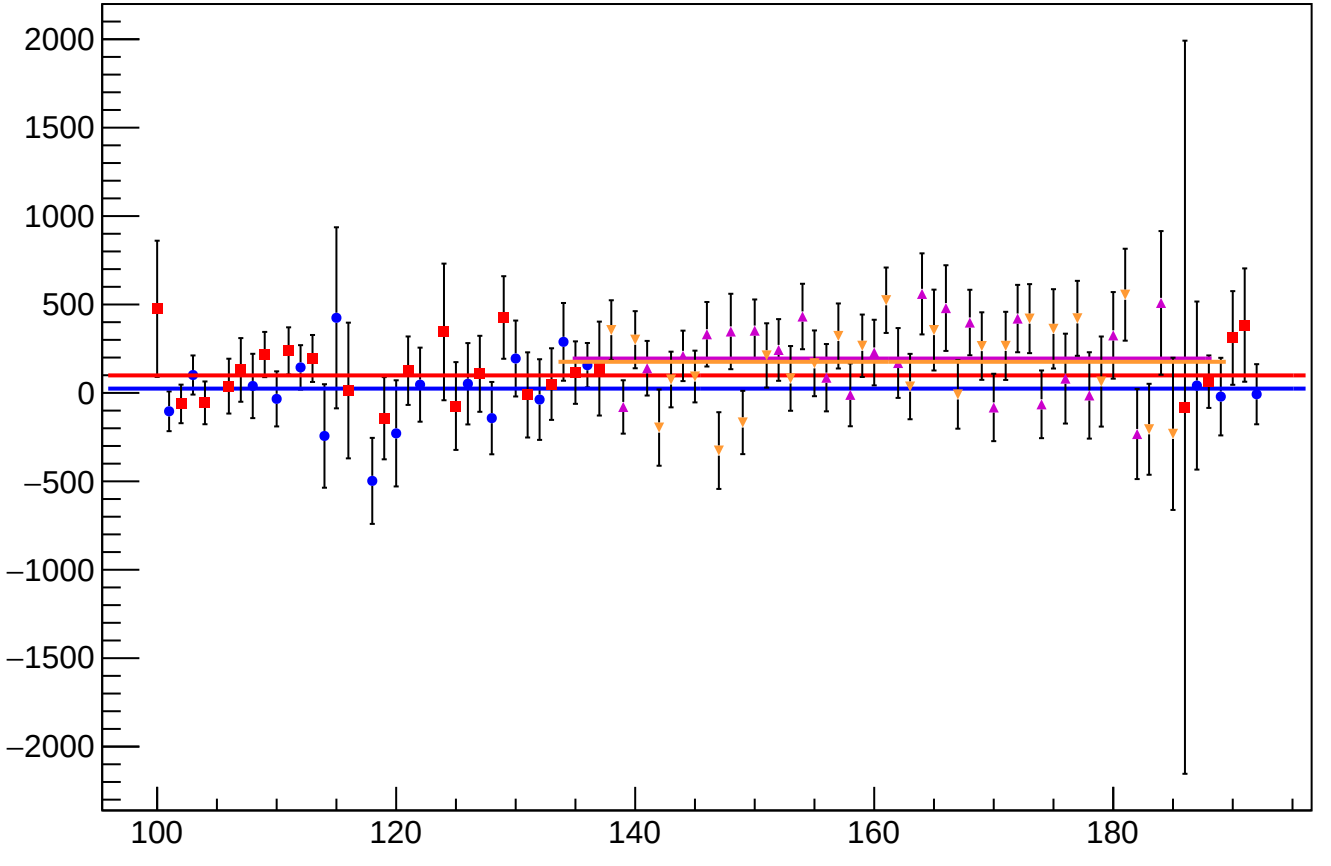
Right: 766.327+/-0.137 χ^2/NDF: 4855120.2/41

In: 918.960+/-0.129 χ^2/NDF:3206333.4/41

Out: 897.649+/-0.124 χ^2/NDF:4390524.7/47

All: 907.874+/-0.089 χ^2/NDF: 7611094.5/89

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: 99.042+/-38.400 χ^2/NDF: 13.2/22

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

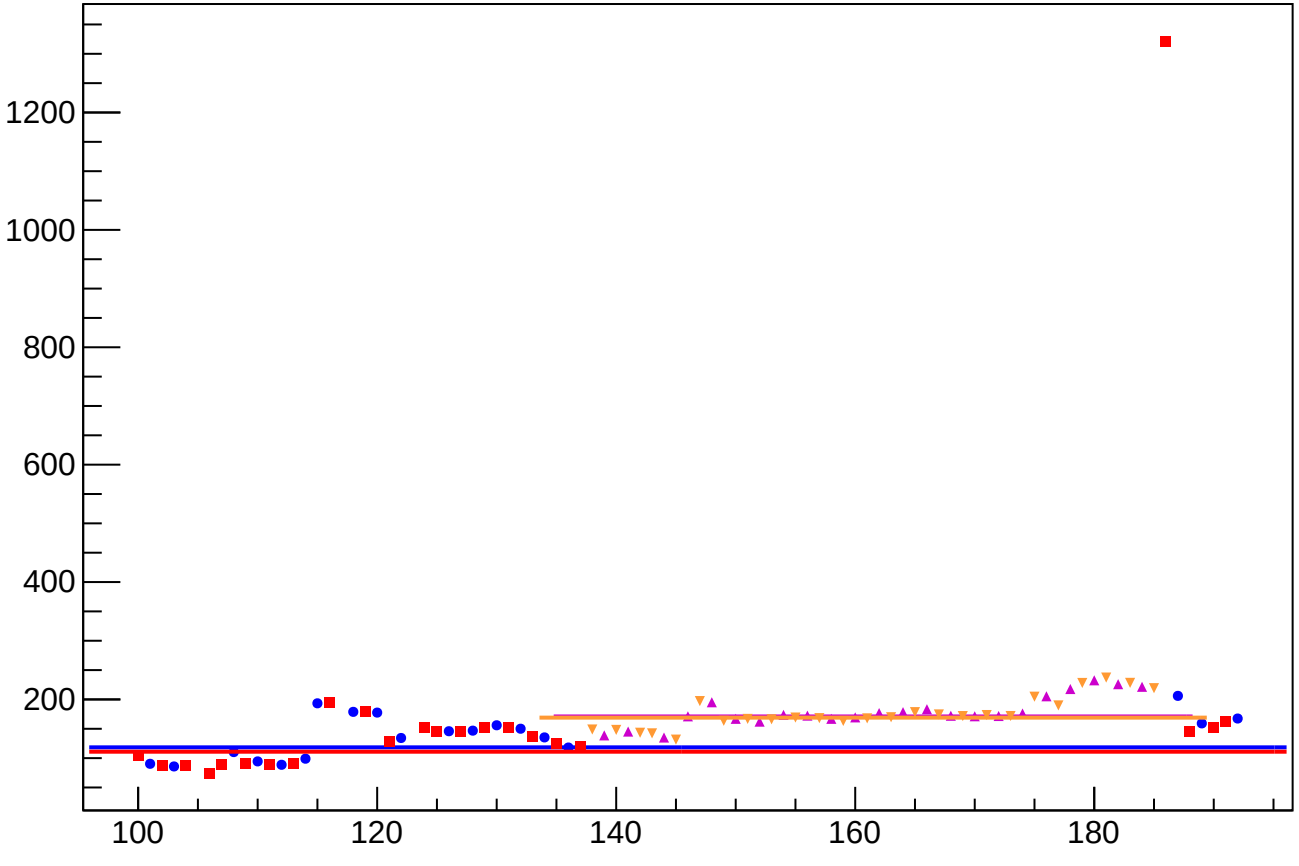
Right: 64.316+/-28.084 χ^2/NDF: 28.6/41

In: 111.009+/-28.832 χ^2/NDF:46.2/41

Out: 137.091+/-27.306 χ^2/NDF:46.0/47

All: 124.758+/-19.826 χ^2/NDF: 92.6/89

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: 110.964+/-0.027 χ^2/NDF: 1917822.0/22

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

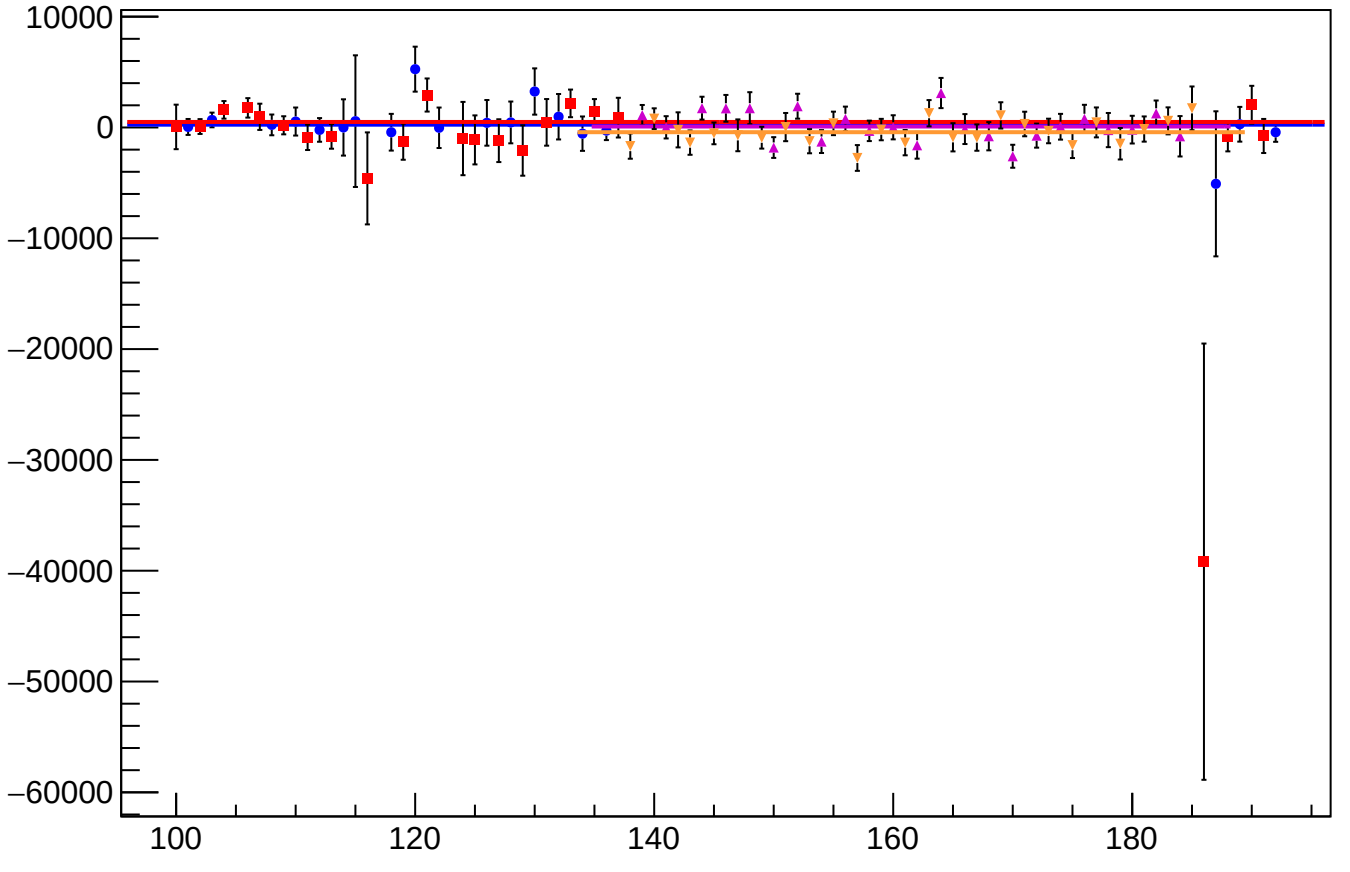
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 114.414+/-0.020 χ^2/NDF: 3161561.7/41

In: 145.214+/-0.020 χ^2/NDF:3553104.3/41

Out: 139.658+/-0.019 χ^2/NDF:4950780.1/47

All: 142.285+/-0.014 χ^2/NDF: 8543033.1/89



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: 497.286+/-265.574 χ^2/NDF: 25.0/22

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

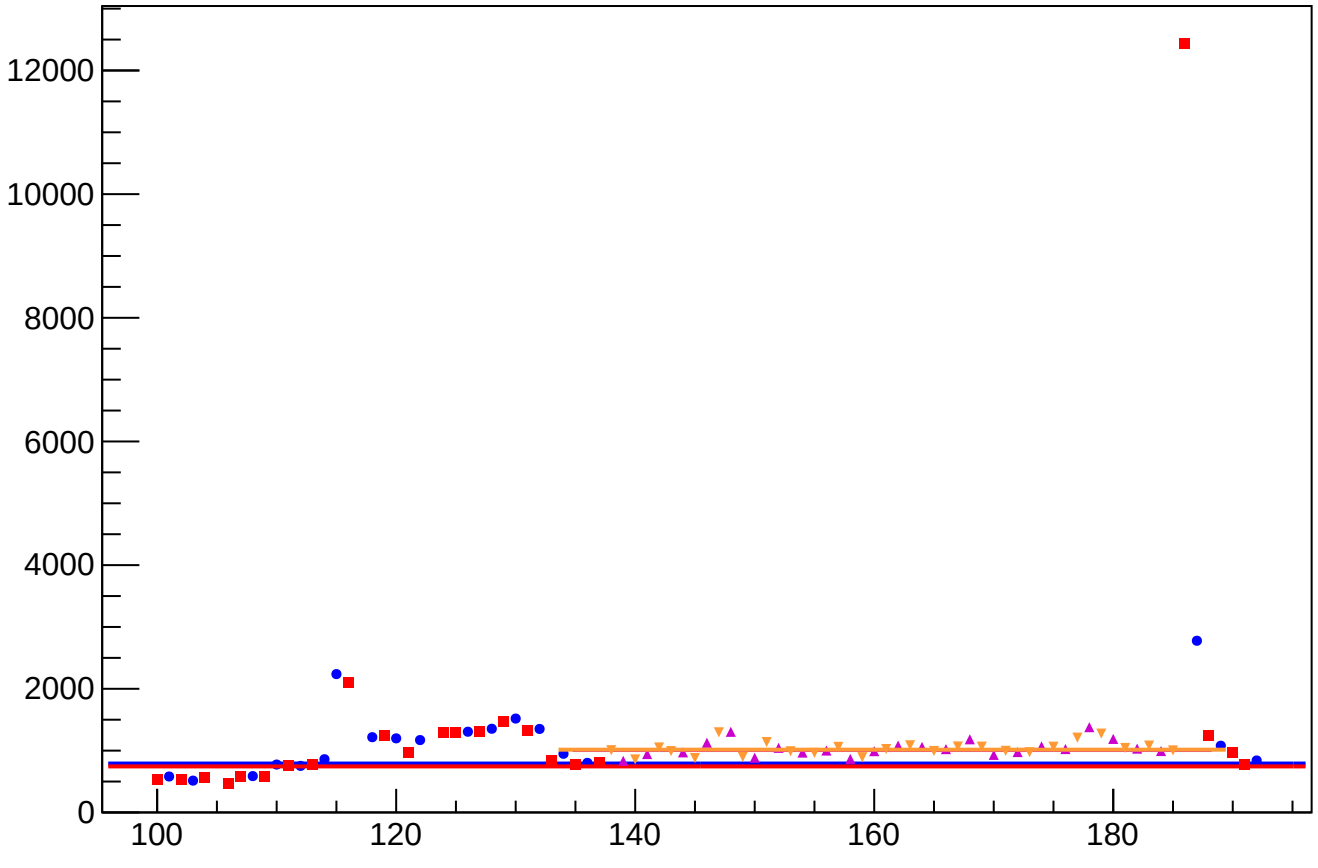
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 382.851+/-193.603 χ^2/NDF: 36.6/41

In: 155.593+/-182.174 χ^2/NDF:43.8/41

Out: -25.175+/-174.960 χ^2/NDF:50.2/47

All: 61.559+/-126.189 χ^2/NDF: 94.5/89



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: 744.555+/-0.188 χ^2/NDF: 2818297.3/22

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

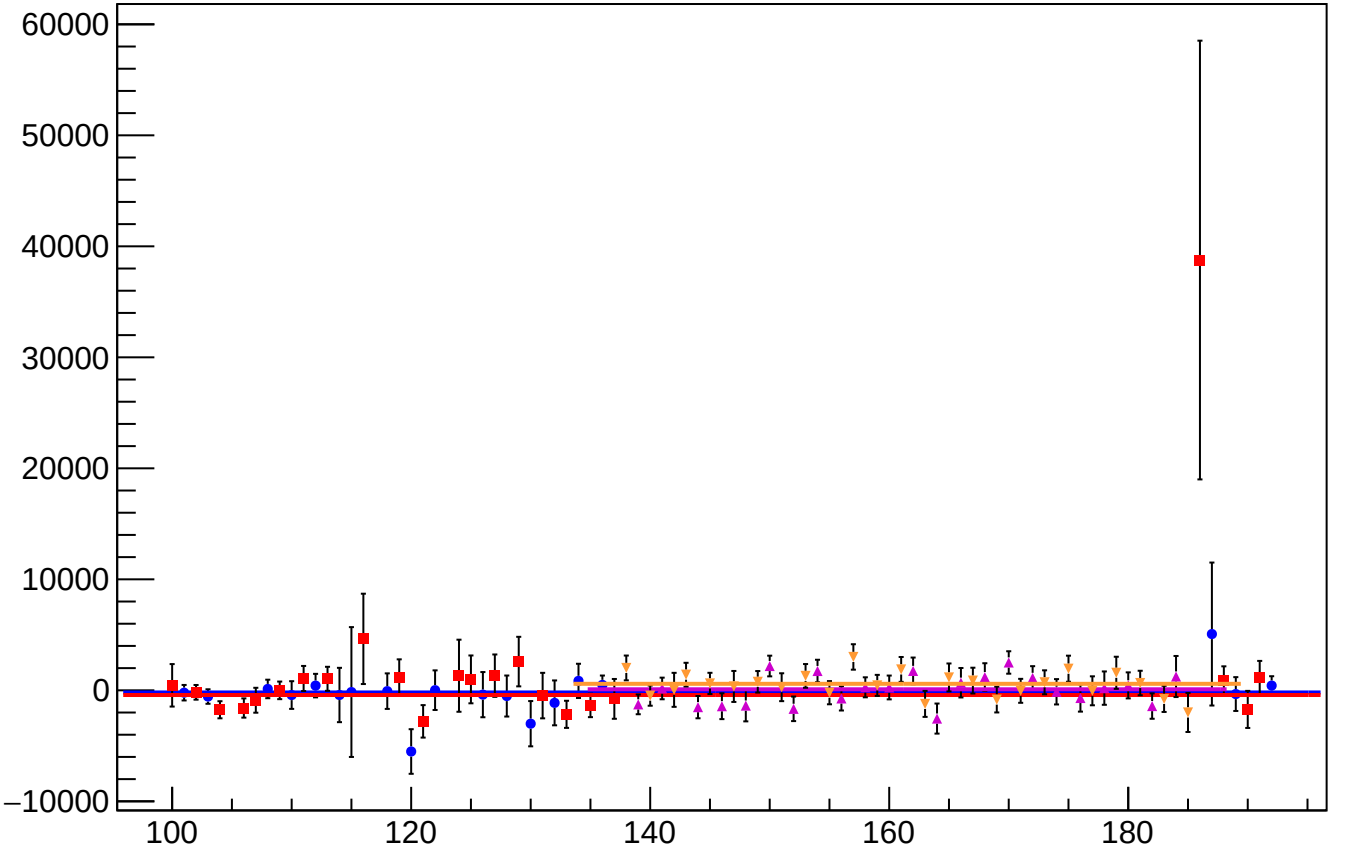
Right: 766.326+/-0.137 χ^2/NDF: 4855118.7/41

In: 918.960+/-0.129 χ^2/NDF:3206347.9/41

Out: 897.649+/-0.124 χ^2/NDF:4390541.1/47

All: 907.874+/-0.089 χ^2/NDF: 7611125.8/89

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: -421.663+/-259.855 χ^2/NDF: 27.1/22

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

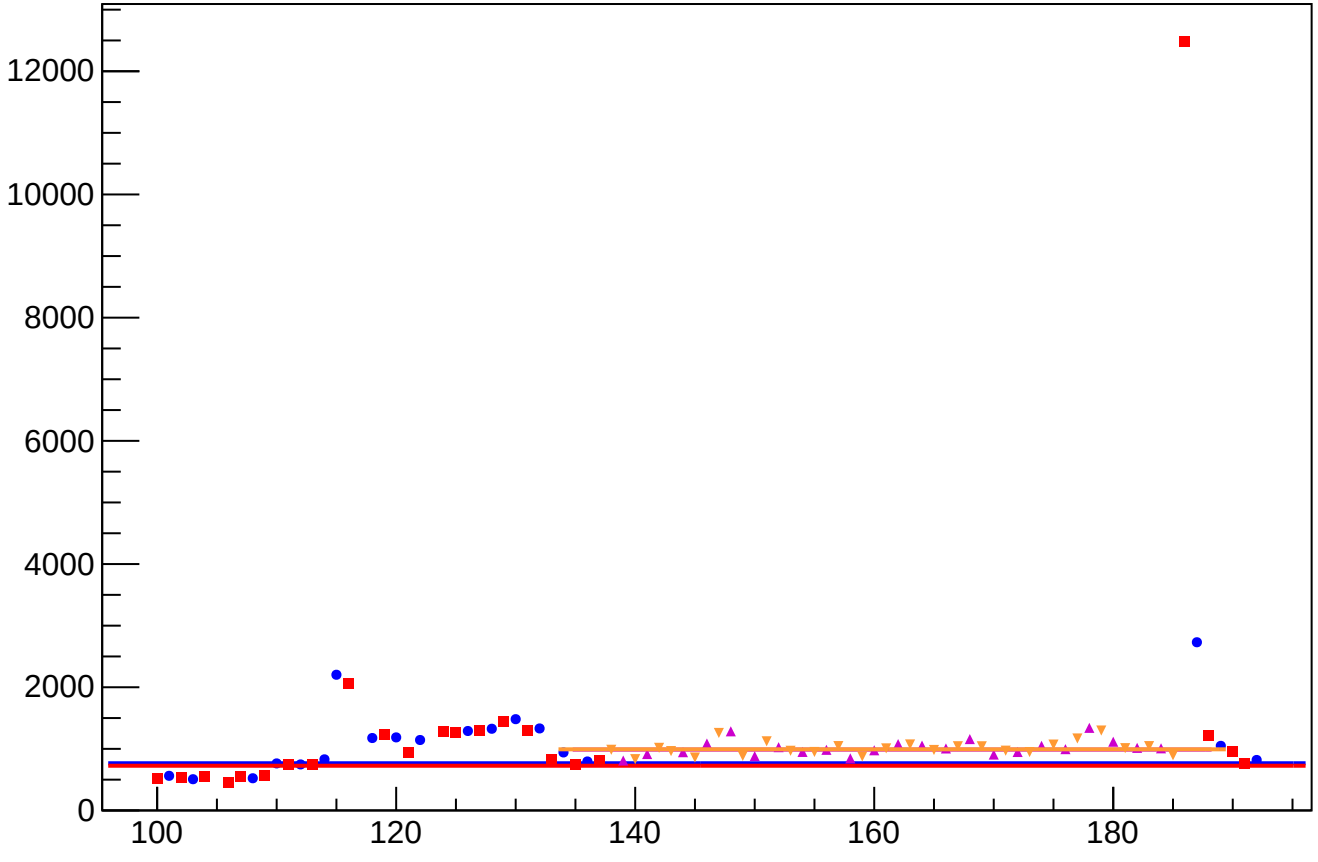
Right: -313.927+/-188.870 χ^2/NDF: 39.9/41

In: -26.825+/-177.778 χ^2/NDF:47.6/41

Out: 148.693+/-171.206 χ^2/NDF:56.4/47

All: 64.238+/-123.319 χ^2/NDF: 104.5/89

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: 725.946+/-0.184 χ^2/NDF: 2870292.6/22

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

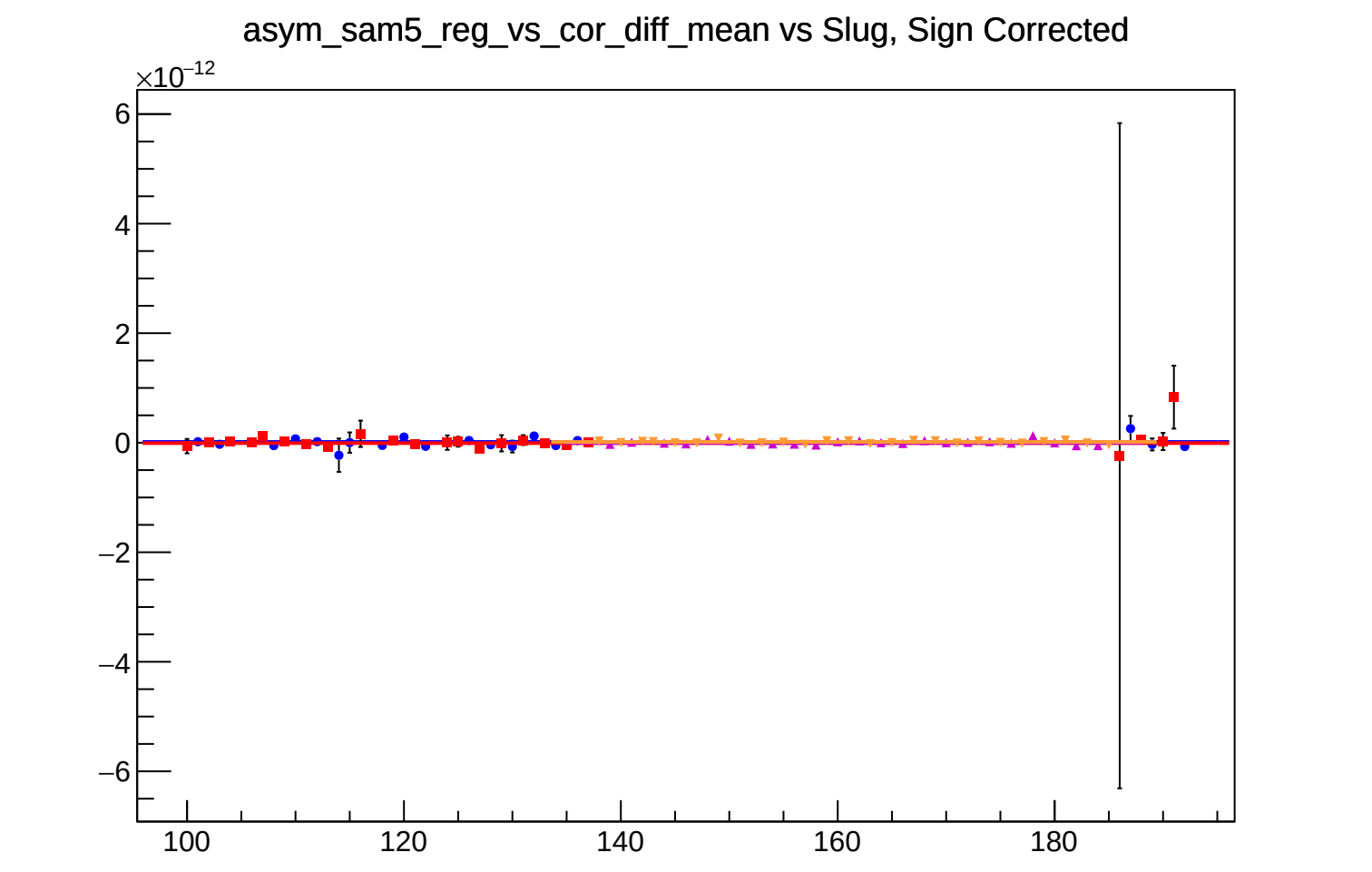
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 744.962+/-0.134 χ^2/NDF: 4988765.3/41

In: 895.201+/-0.126 χ^2/NDF:3338942.2/41

Out: 876.820+/-0.121 χ^2/NDF:4486570.5/47

All: 885.665+/-0.087 χ^2/NDF: 7836605.2/89



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/22

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

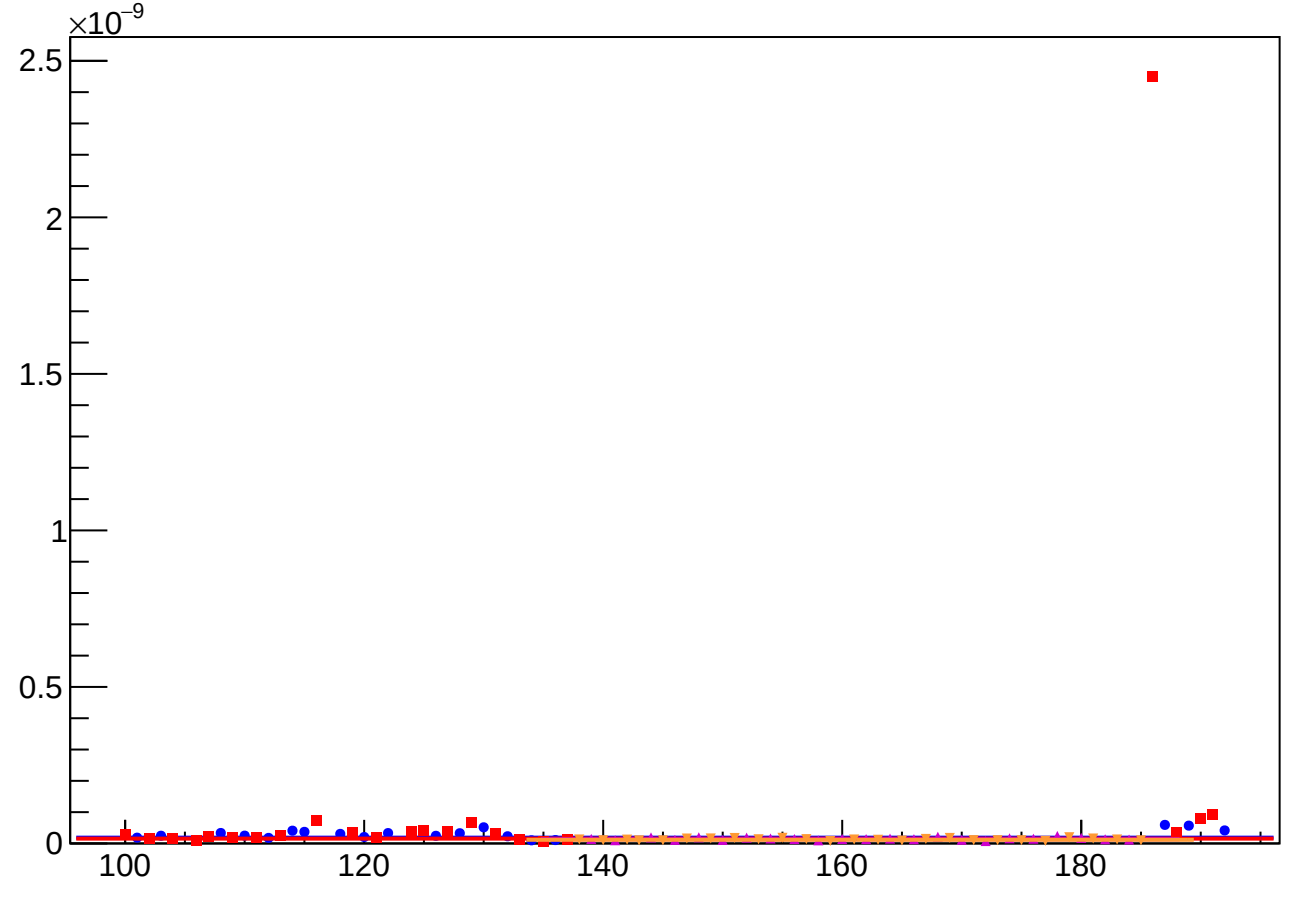
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 40.5/41

In: 0.000+/-0.000 χ^2/NDF:50.9/41

Out: 0.000+/-0.000 χ^2/NDF:44.7/47

All: 0.000+/-0.000 χ^2/NDF: 97.4/89



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: 2661489.2/22

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

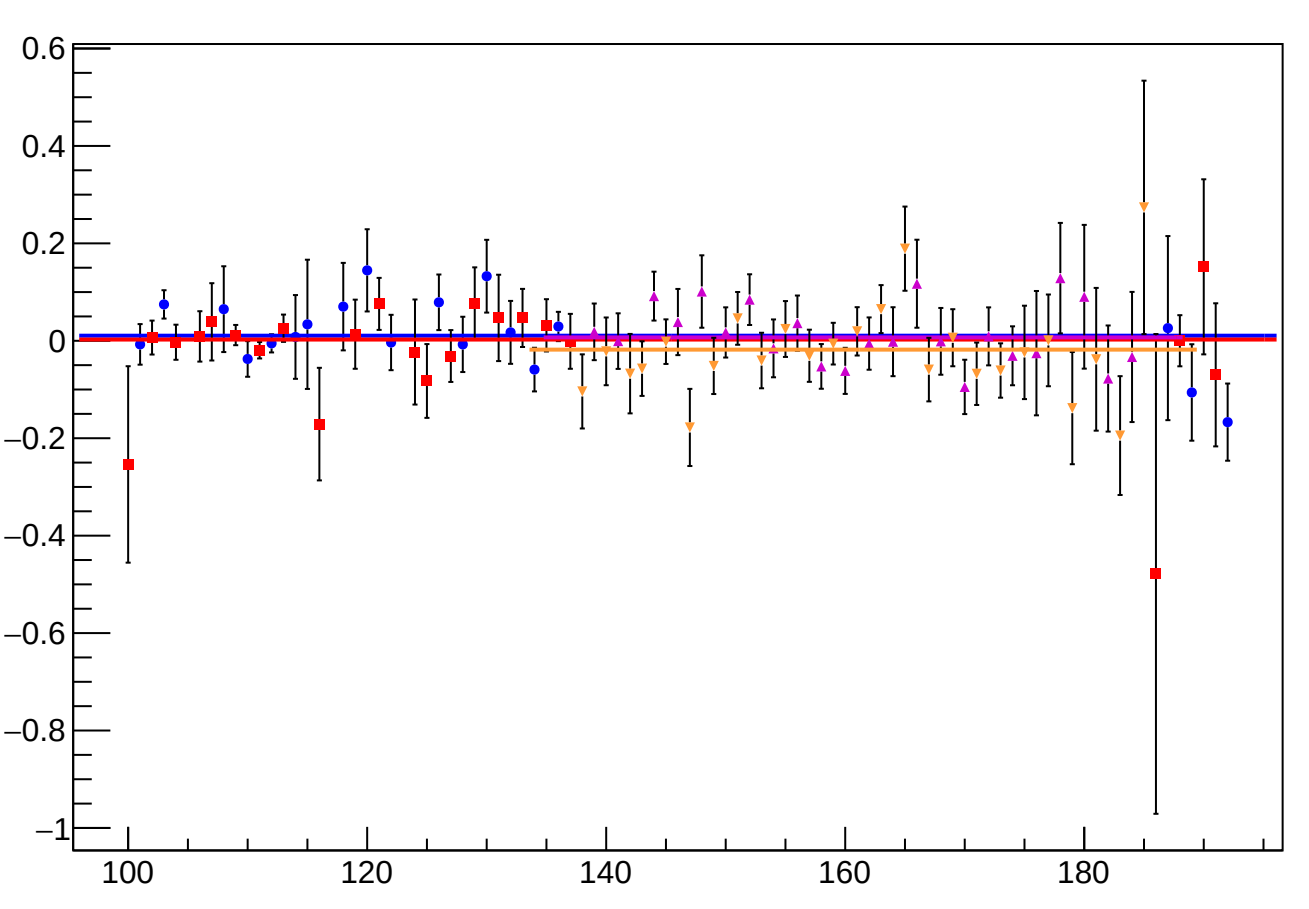
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4464357.8/41

In: 0.000+/-0.000 χ^2/NDF:2940423.6/41

Out: 0.000+/-0.000 χ^2/NDF:3688925.9/47

All: 0.000+/-0.000 χ^2/NDF: 6831331.0/89



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: 0.003+/-0.009 χ^2/NDF: 14.3/22

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

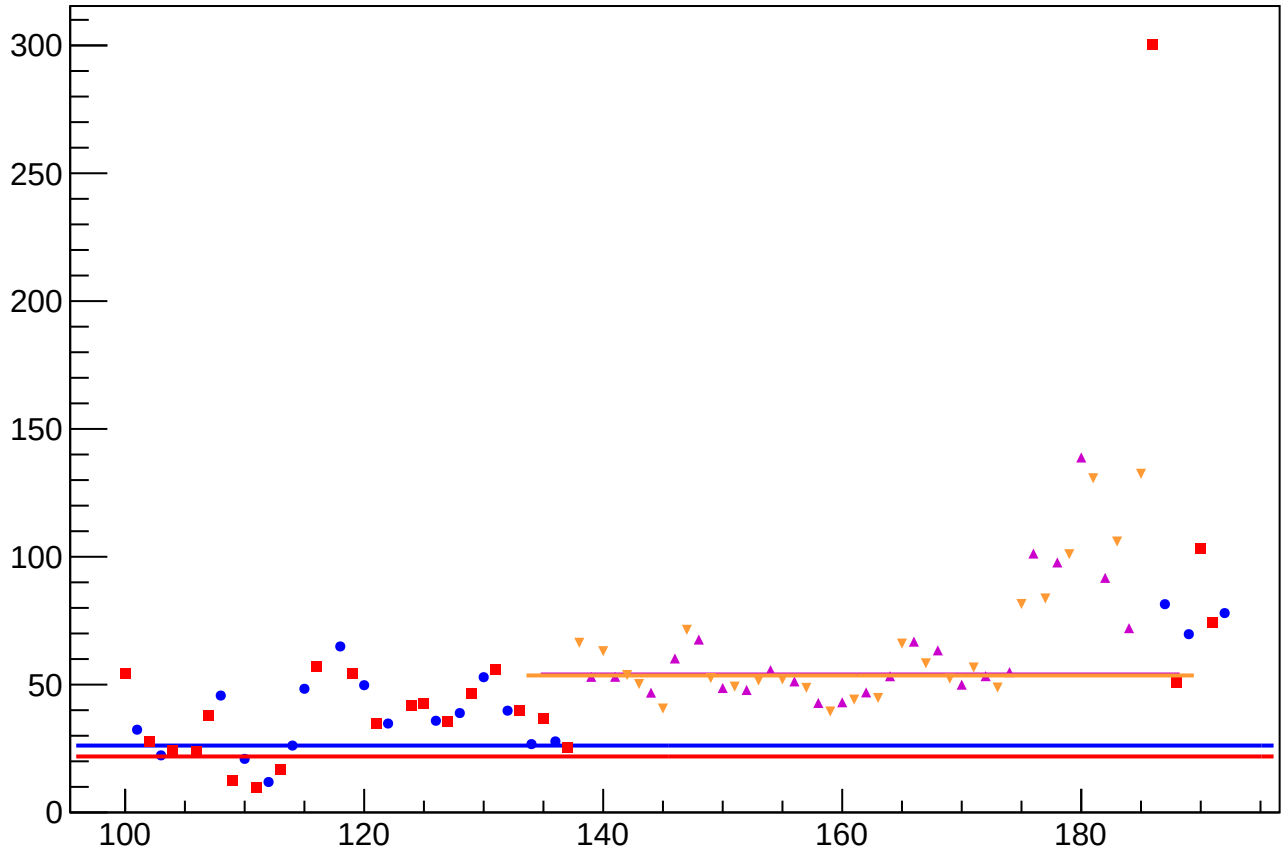
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.006+/-0.007 χ^2/NDF: 39.0/41

In: 0.009+/-0.008 χ^2/NDF:43.1/41

Out: -0.004+/-0.007 χ^2/NDF:40.4/47

All: 0.002+/-0.005 χ^2/NDF: 85.0/89



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: 21.899+/-0.006 χ^2/NDF: 5540600.2/22

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

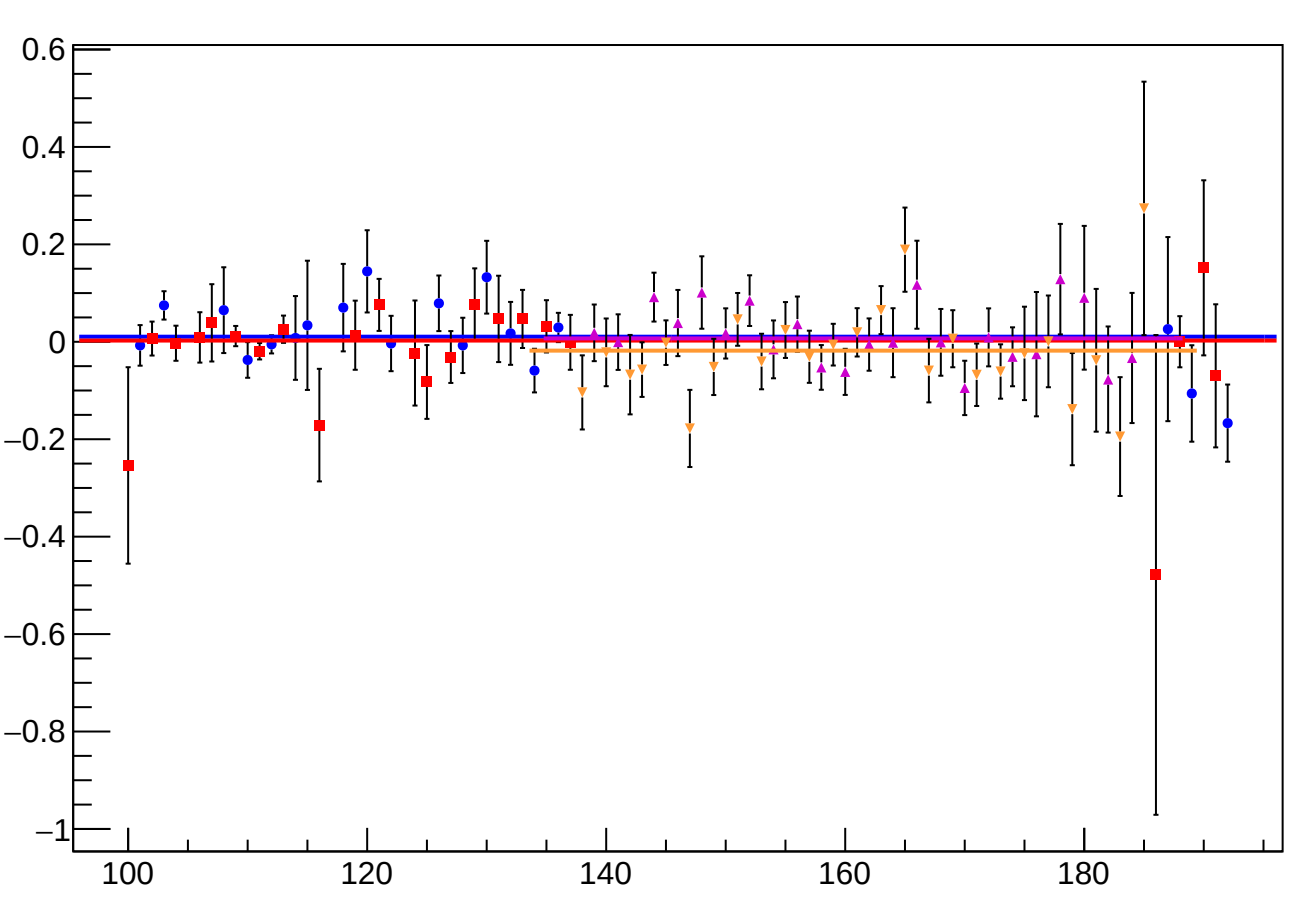
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 23.734+/-0.005 χ^2/NDF: 9676125.3/41

In: 36.842+/-0.006 χ^2/NDF:11452052.9/41

Out: 32.467+/-0.005 χ^2/NDF:16348457.2/47

All: 34.435+/-0.004 χ^2/NDF: 28115452.6/89



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: 0.003+/-0.009 χ^2/NDF: 14.3/22

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

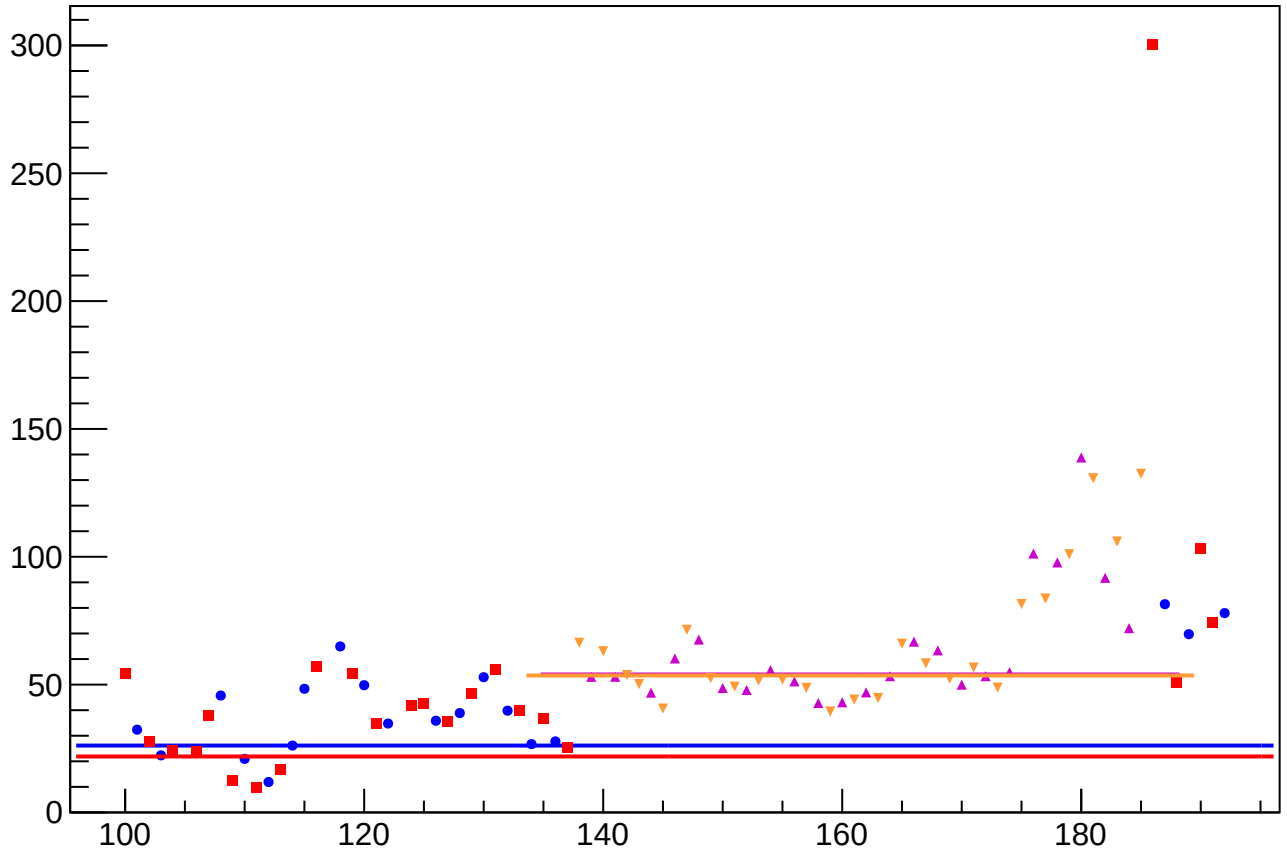
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.006+/-0.007 χ^2/NDF: 39.0/41

In: 0.009+/-0.008 χ^2/NDF:43.1/41

Out: -0.004+/-0.007 χ^2/NDF:40.4/47

All: 0.002+/-0.005 χ^2/NDF: 85.0/89



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: 21.899+/-0.006 χ^2/NDF: 5540600.2/22

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

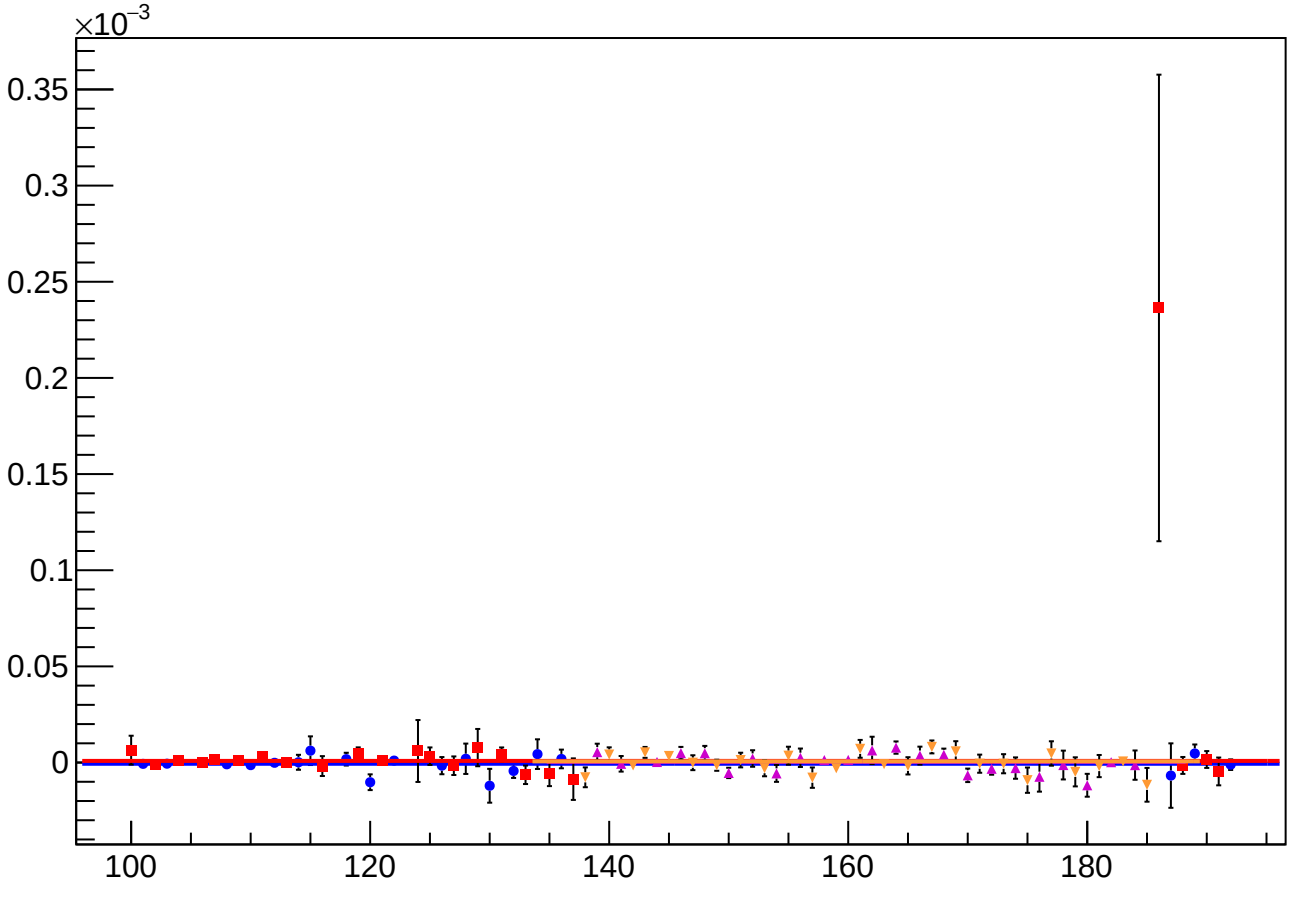
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 23.734+/-0.005 χ^2/NDF: 9676125.3/41

In: 36.842+/-0.006 χ^2/NDF:11452052.9/41

Out: 32.467+/-0.005 χ^2/NDF:16348457.2/47

All: 34.435+/-0.004 χ^2/NDF: 28115452.6/89



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: 16.5/22

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

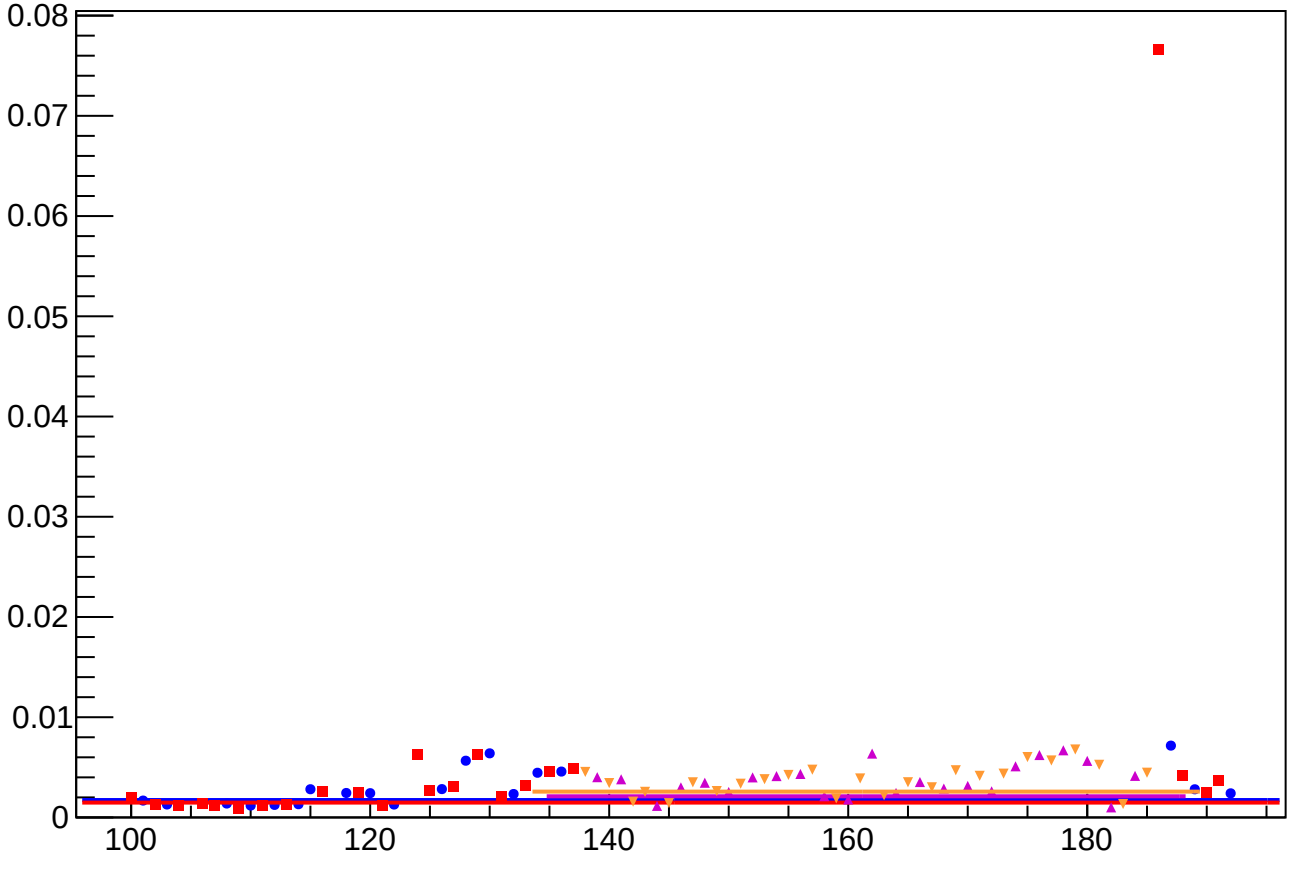
Right: 0.000+/-0.000 χ^2/NDF: 32.1/41

In: -0.000+/-0.000 χ^2/NDF:44.9/41

Out: 0.000+/-0.000 χ^2/NDF:47.6/47

All: 0.000+/-0.000 χ^2/NDF: 94.2/89

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 0.001+/-0.000 χ^2/NDF: 4761647.0/22

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

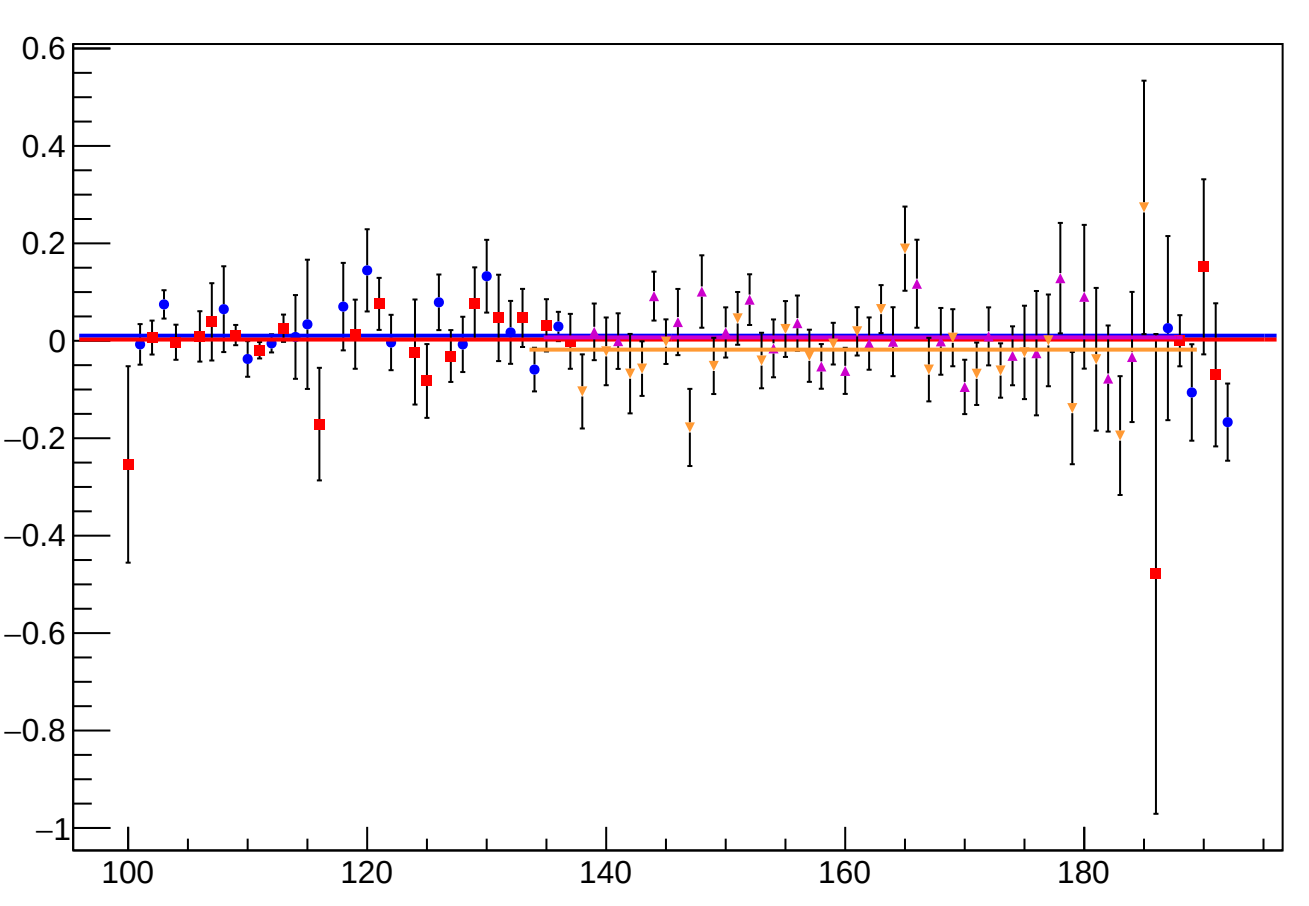
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 8326422.4/41

In: 0.002+/-0.000 χ^2/NDF:13242492.0/41

Out: 0.002+/-0.000 χ^2/NDF:14975866.8/47

All: 0.002+/-0.000 χ^2/NDF: 28218360.6/89



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: 0.003+/-0.009 χ^2/NDF: 14.3/22

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

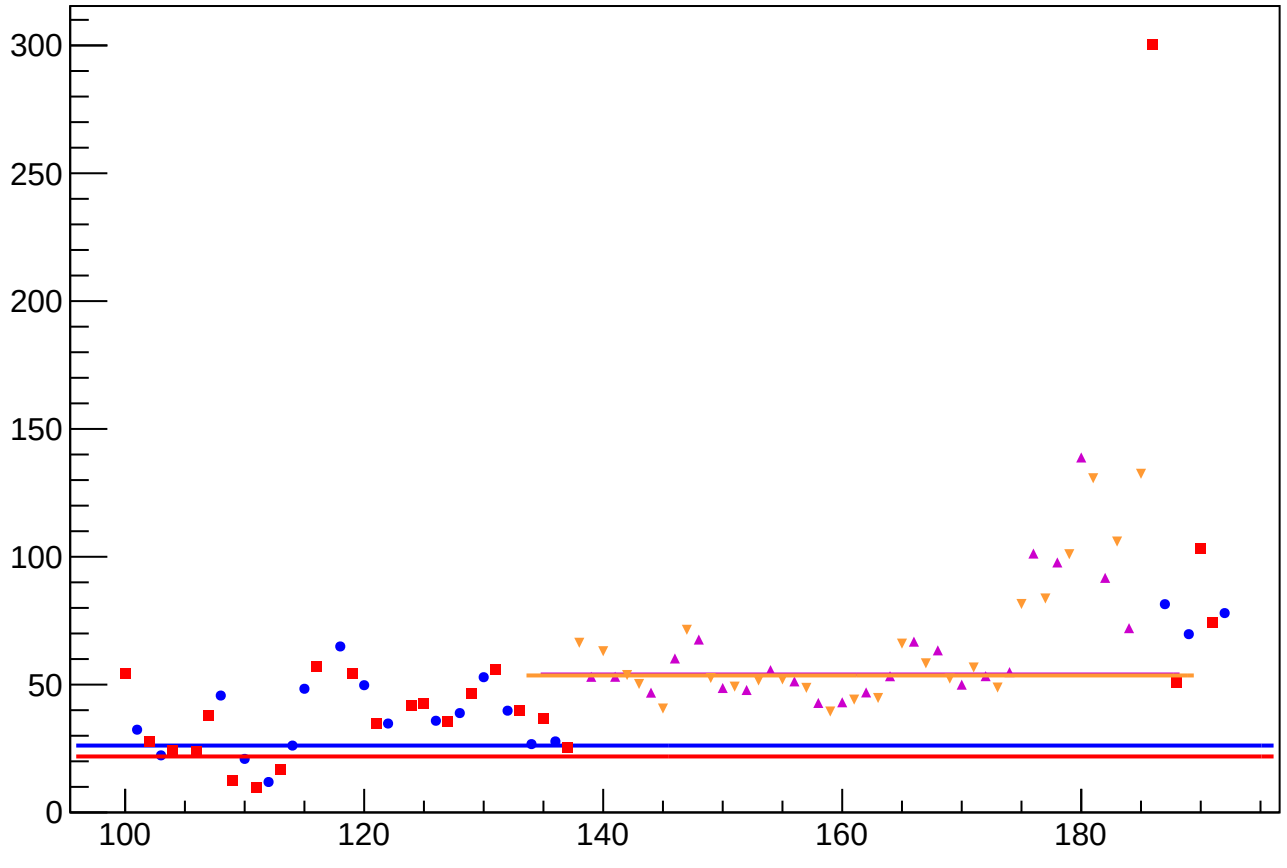
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.006+/-0.007 χ^2/NDF: 39.0/41

In: 0.009+/-0.008 χ^2/NDF:43.1/41

Out: -0.004+/-0.007 χ^2/NDF:40.4/47

All: 0.002+/-0.005 χ^2/NDF: 85.0/89



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: 21.898+/-0.006 χ^2/NDF: 5540615.2/22

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

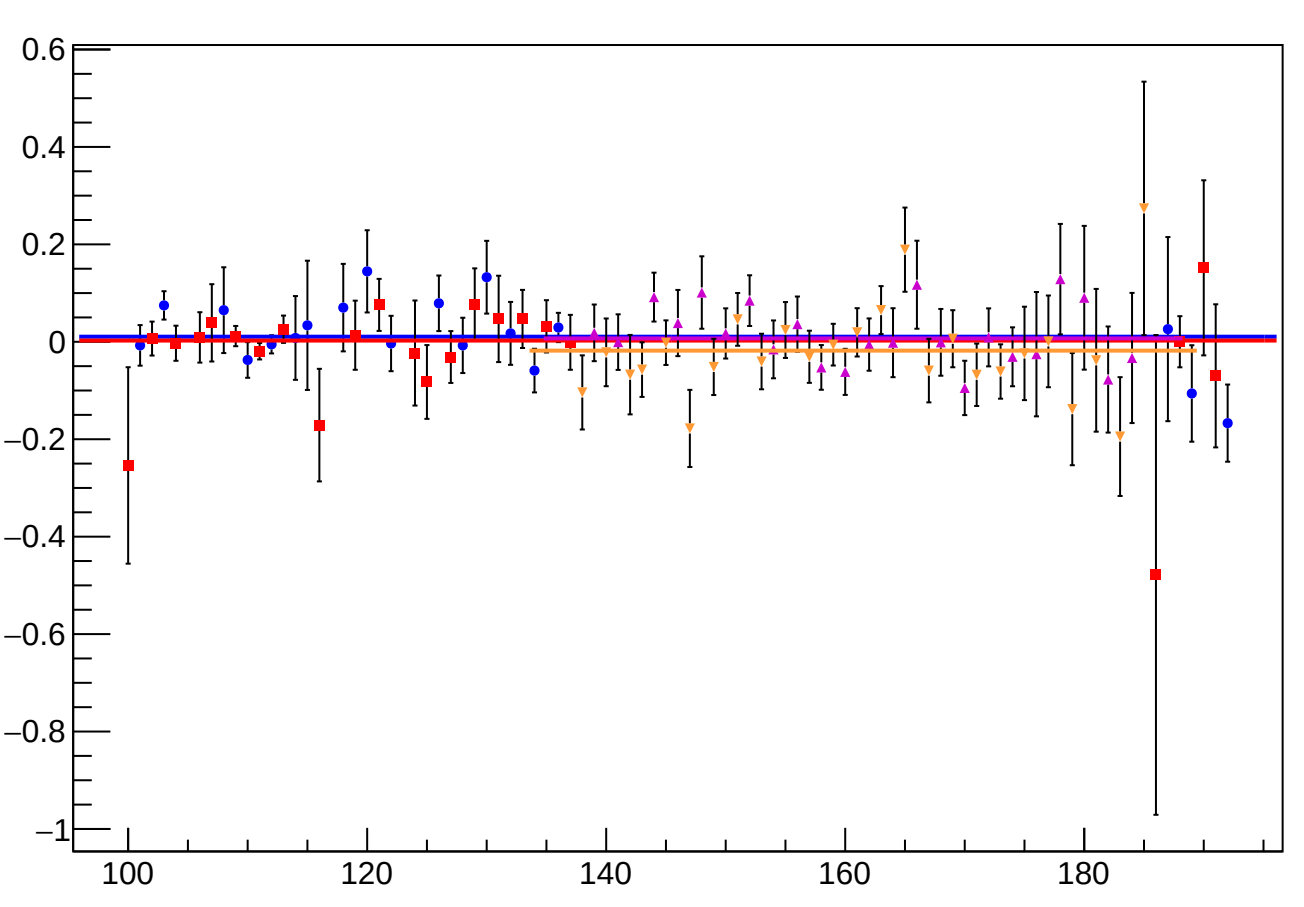
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 23.734+/-0.005 χ^2/NDF: 9676139.2/41

In: 36.841+/-0.006 χ^2/NDF:11452467.2/41

Out: 32.467+/-0.005 χ^2/NDF:16349001.2/47

All: 34.434+/-0.004 χ^2/NDF: 28116428.8/89



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: 0.003+/-0.009 χ^2/NDF: 14.3/22

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

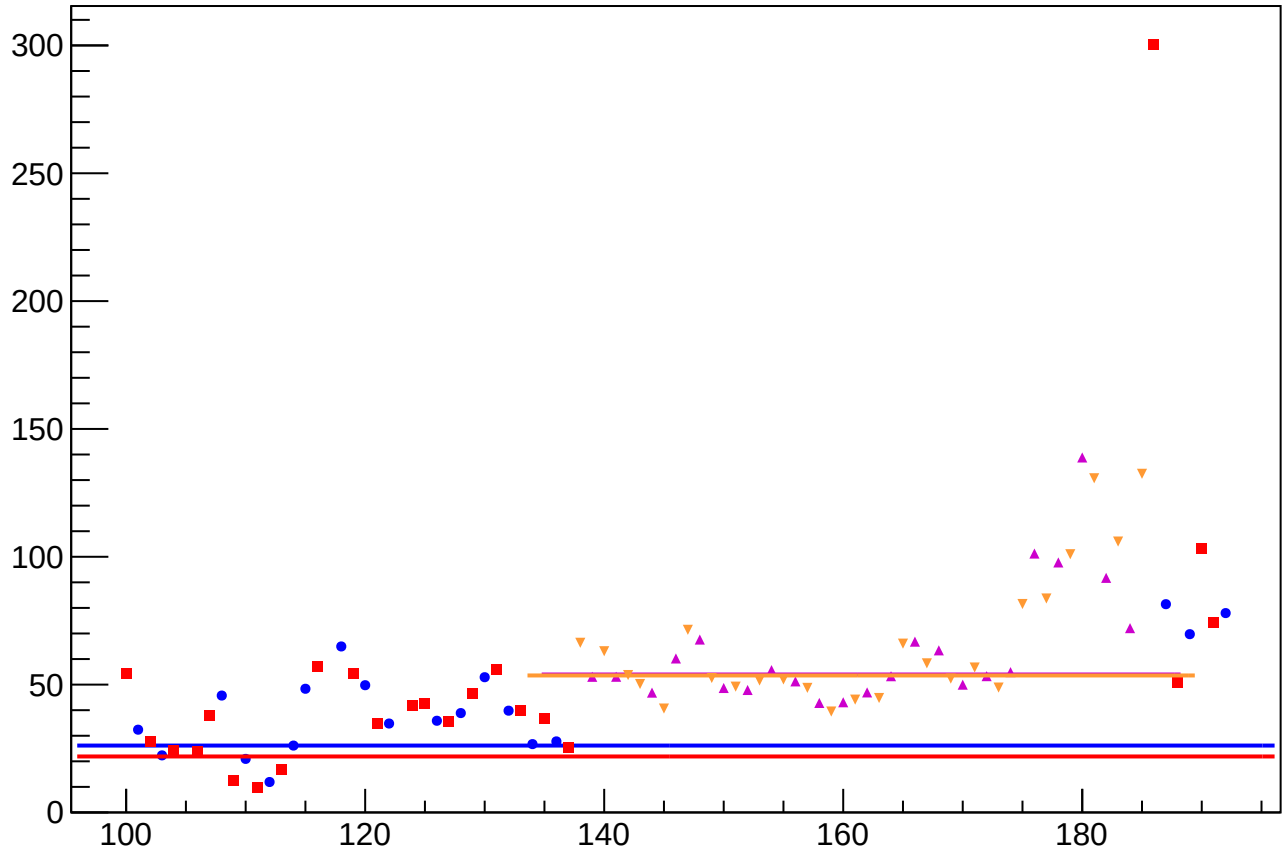
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.006+/-0.007 χ^2/NDF: 39.0/41

In: 0.009+/-0.008 χ^2/NDF:43.1/41

Out: -0.004+/-0.007 χ^2/NDF:40.4/47

All: 0.002+/-0.005 χ^2/NDF: 85.0/89



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: 21.898+/-0.006 χ^2/NDF: 5540615.2/22

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

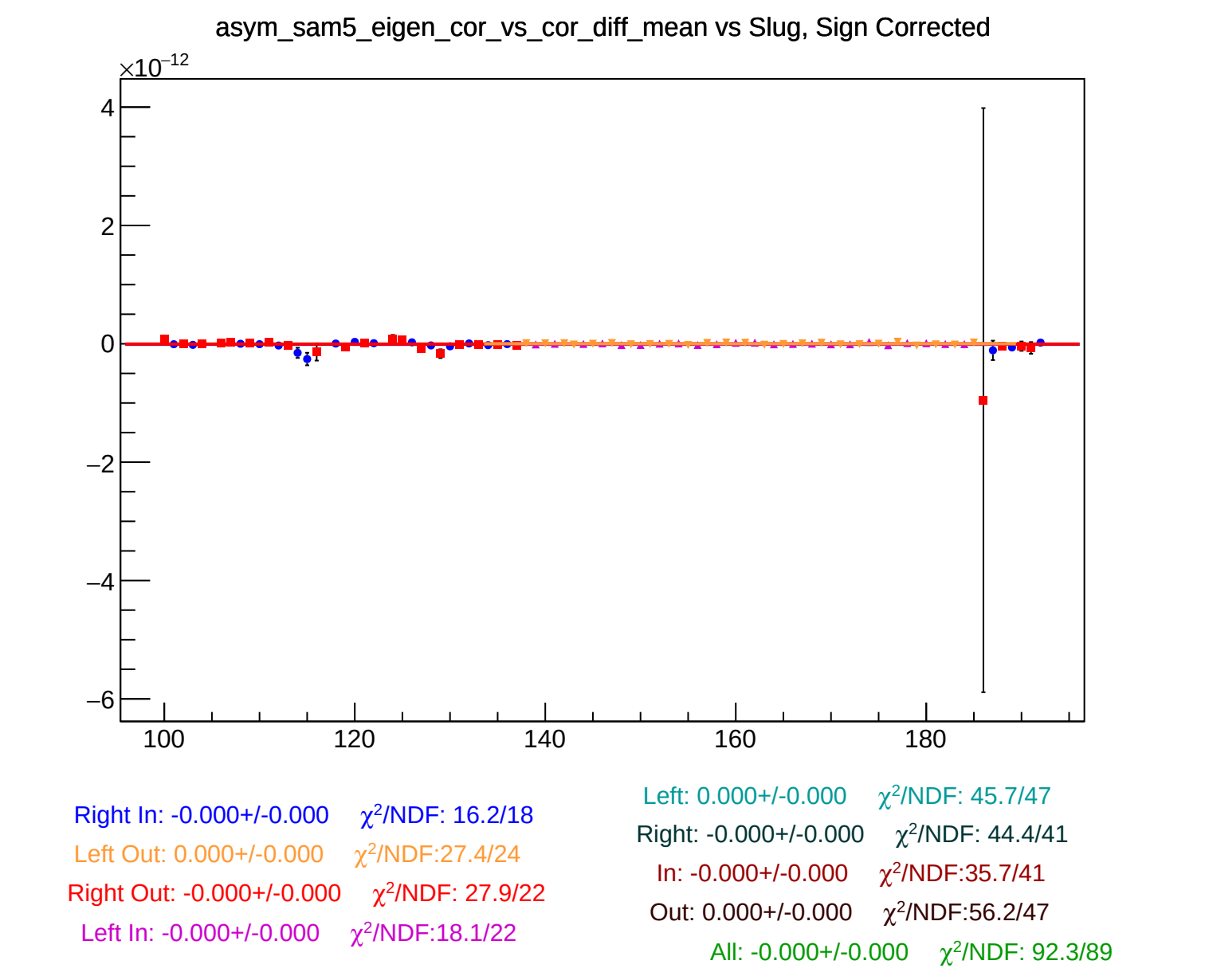
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

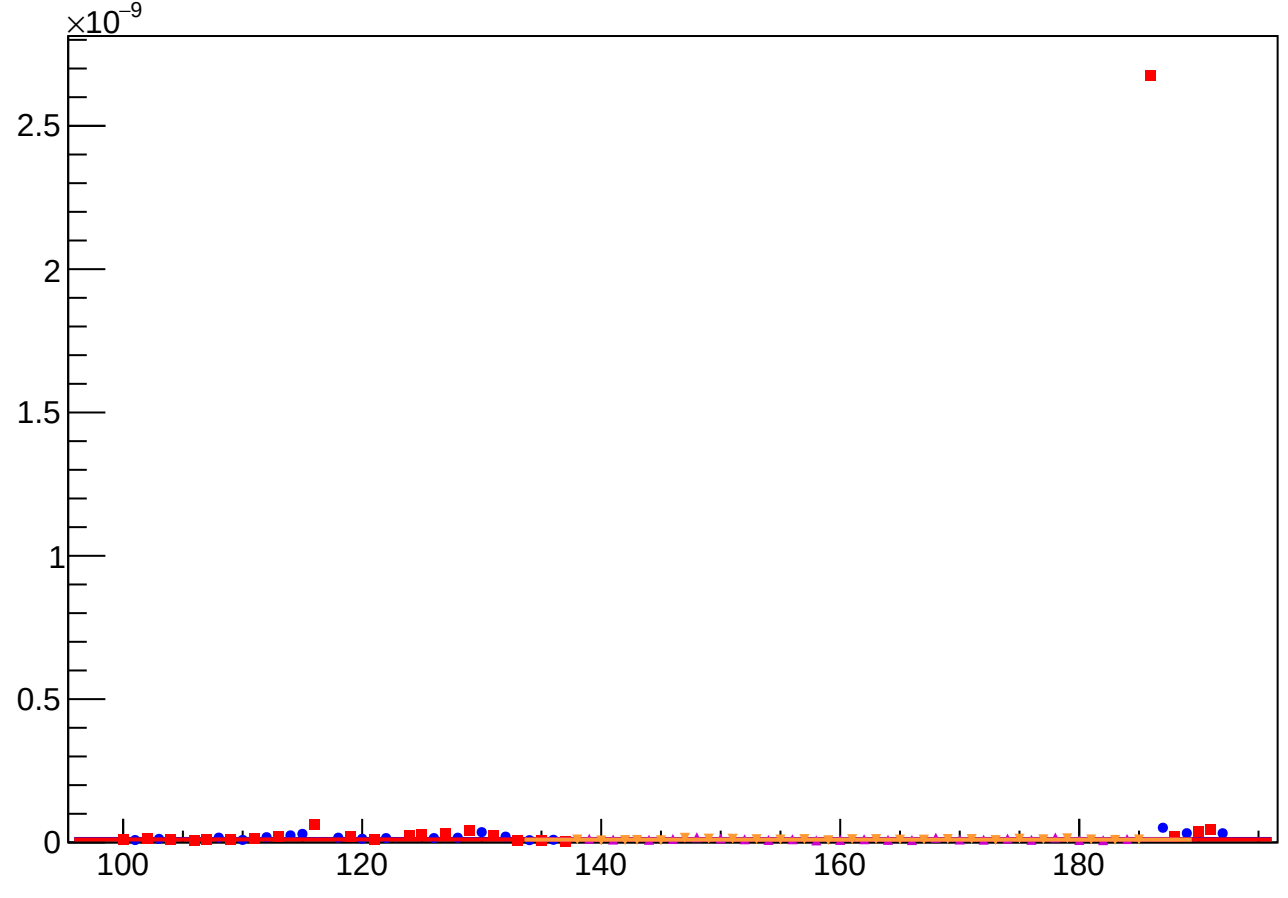
Right: 23.734+/-0.005 χ^2/NDF: 9676139.2/41

In: 36.841+/-0.006 χ^2/NDF:11452467.2/41

Out: 32.467+/-0.005 χ^2/NDF:16349001.2/47

All: 34.434+/-0.004 χ^2/NDF: 28116428.8/89


asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 16.2/18
Left Out: 0.000+/-0.000 χ²/NDF:27.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.9/22
Left In: -0.000+/-0.000 χ²/NDF:18.1/22
Left: 0.000+/-0.000 χ²/NDF: 45.7/47
Right: -0.000+/-0.000 χ²/NDF: 44.4/41
In: -0.000+/-0.000 χ²/NDF:35.7/41
Out: 0.000+/-0.000 χ²/NDF:56.2/47
All: -0.000+/-0.000 χ²/NDF: 92.3/89



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: 4001724.6/22

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

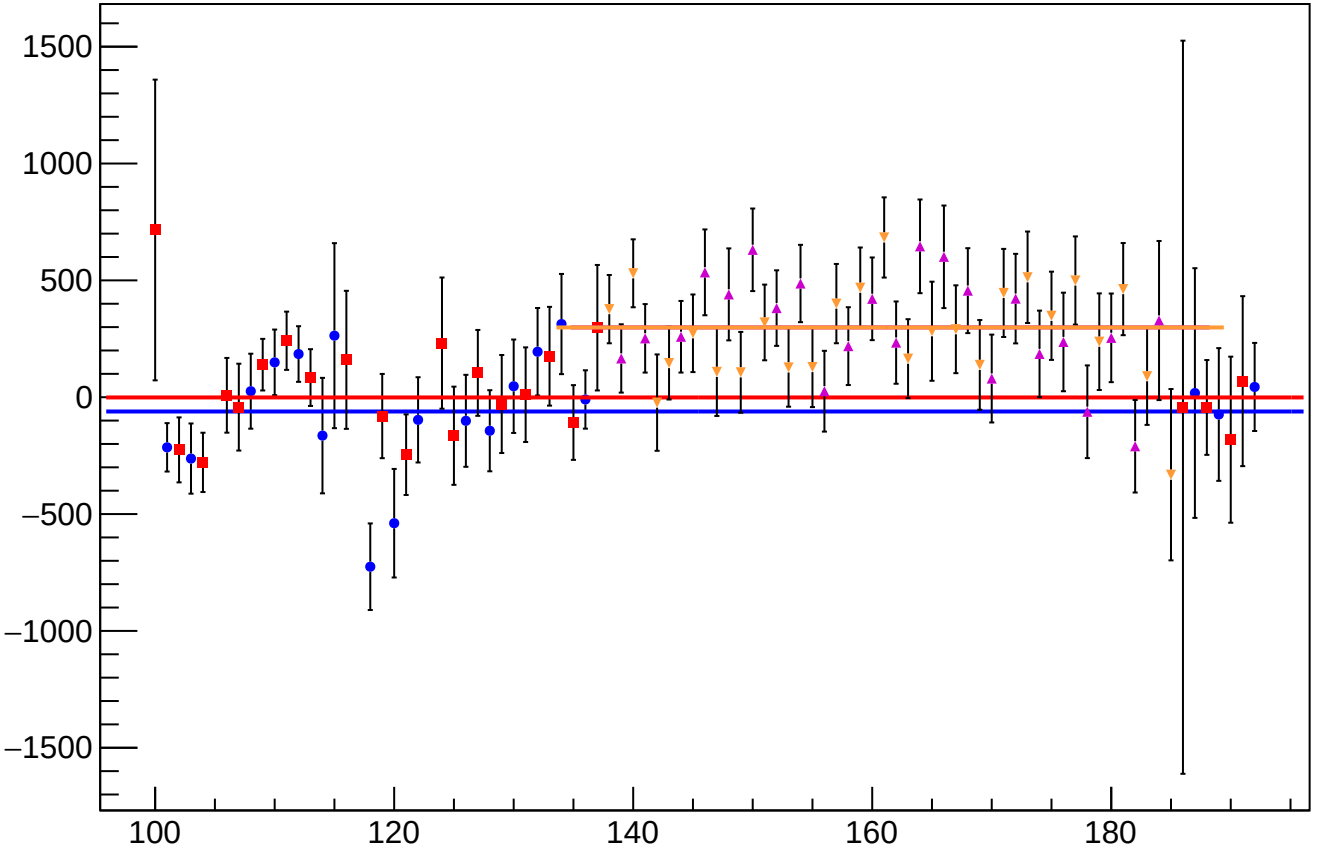
Right: 0.000+/-0.000 χ^2/NDF: 6103509.1/41

In: 0.000+/-0.000 χ^2/NDF:3500108.3/41

Out: 0.000+/-0.000 χ^2/NDF:5217840.8/47

All: 0.000+/-0.000 χ^2/NDF: 8778567.6/89

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: -0.948+/-37.738 χ^2/NDF: 21.5/22

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

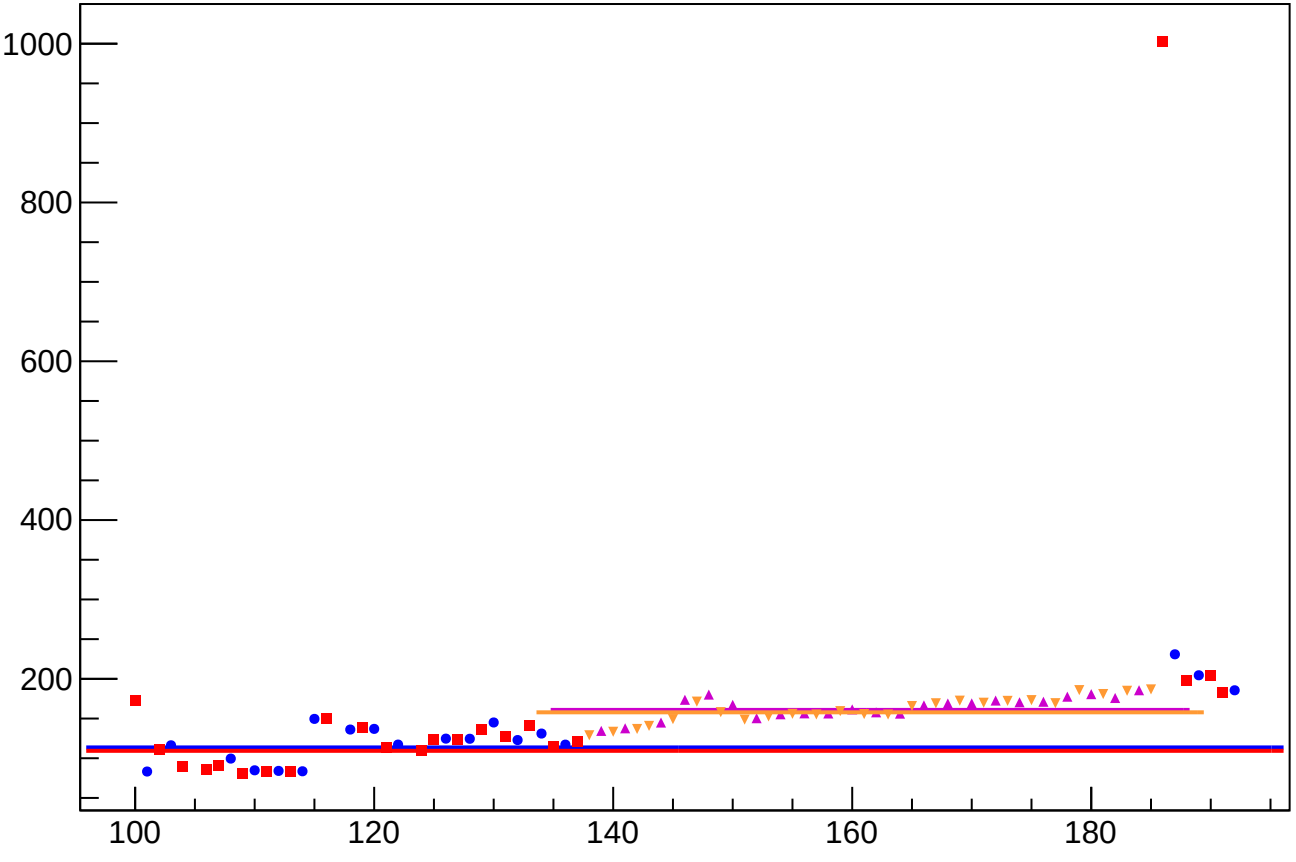
Right: -29.639+/-27.288 χ^2/NDF: 57.4/41

In: 127.077+/-27.284 χ^2/NDF:107.6/41

Out: 155.628+/-26.068 χ^2/NDF:80.4/47

All: 142.003+/-18.848 χ^2/NDF: 188.5/89

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: 109.341+/-0.027 χ^2/NDF: 1919804.9/22

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

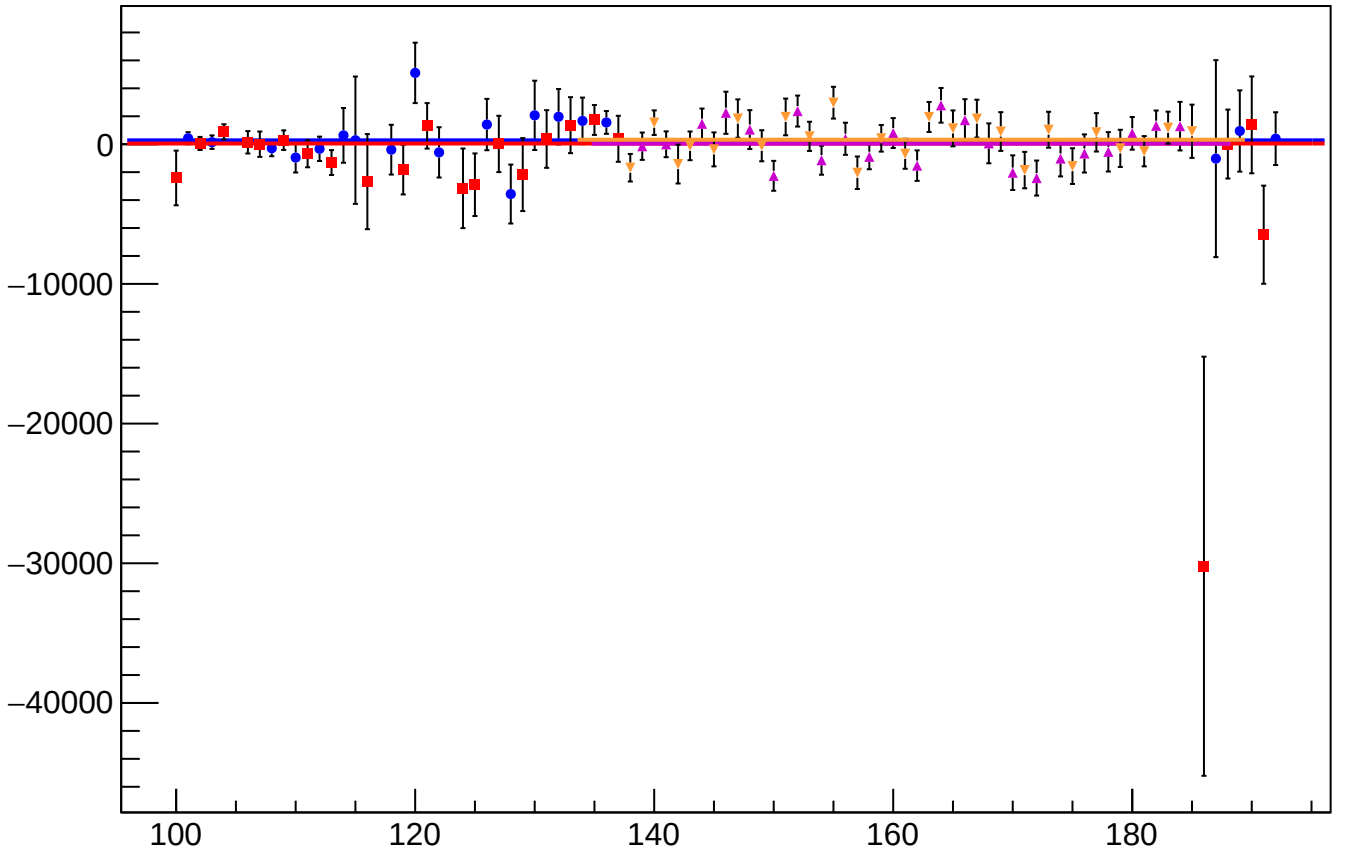
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 111.381+/-0.019 χ^2/NDF: 3100247.9/41

In: 138.333+/-0.019 χ^2/NDF:2933455.2/41

Out: 134.697+/-0.018 χ^2/NDF:4023848.3/47

All: 136.432+/-0.013 χ^2/NDF: 6975867.9/89



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: 49.962+/-230.100 χ^2/NDF: 23.7/22

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

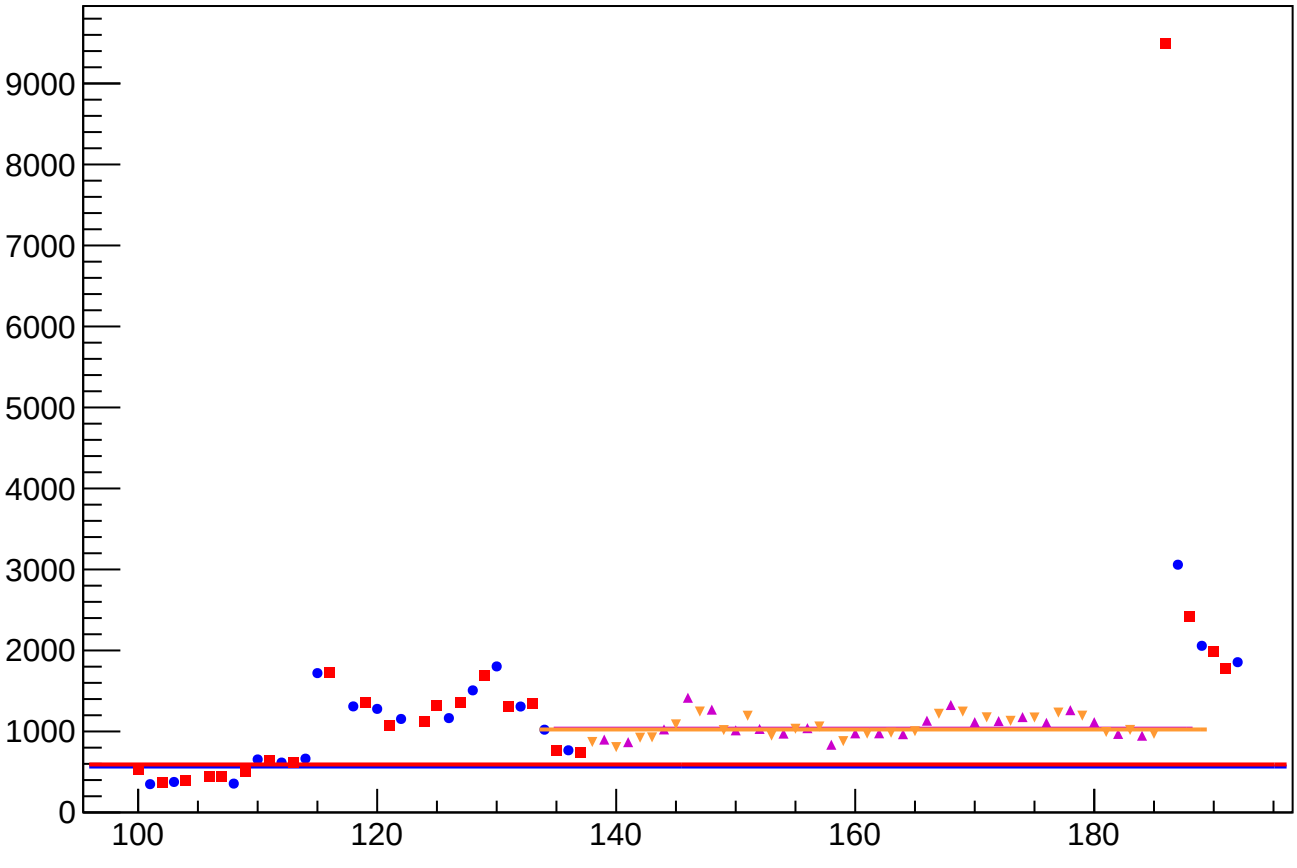
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 164.021+/-162.007 χ^2/NDF: 40.8/41

In: 165.697+/-166.693 χ^2/NDF:51.9/41

Out: 182.062+/-164.439 χ^2/NDF:56.9/47

All: 173.991+/-117.065 χ^2/NDF: 108.8/89



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: 592.518+/-0.163 χ^2/NDF: 5487416.8/22

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

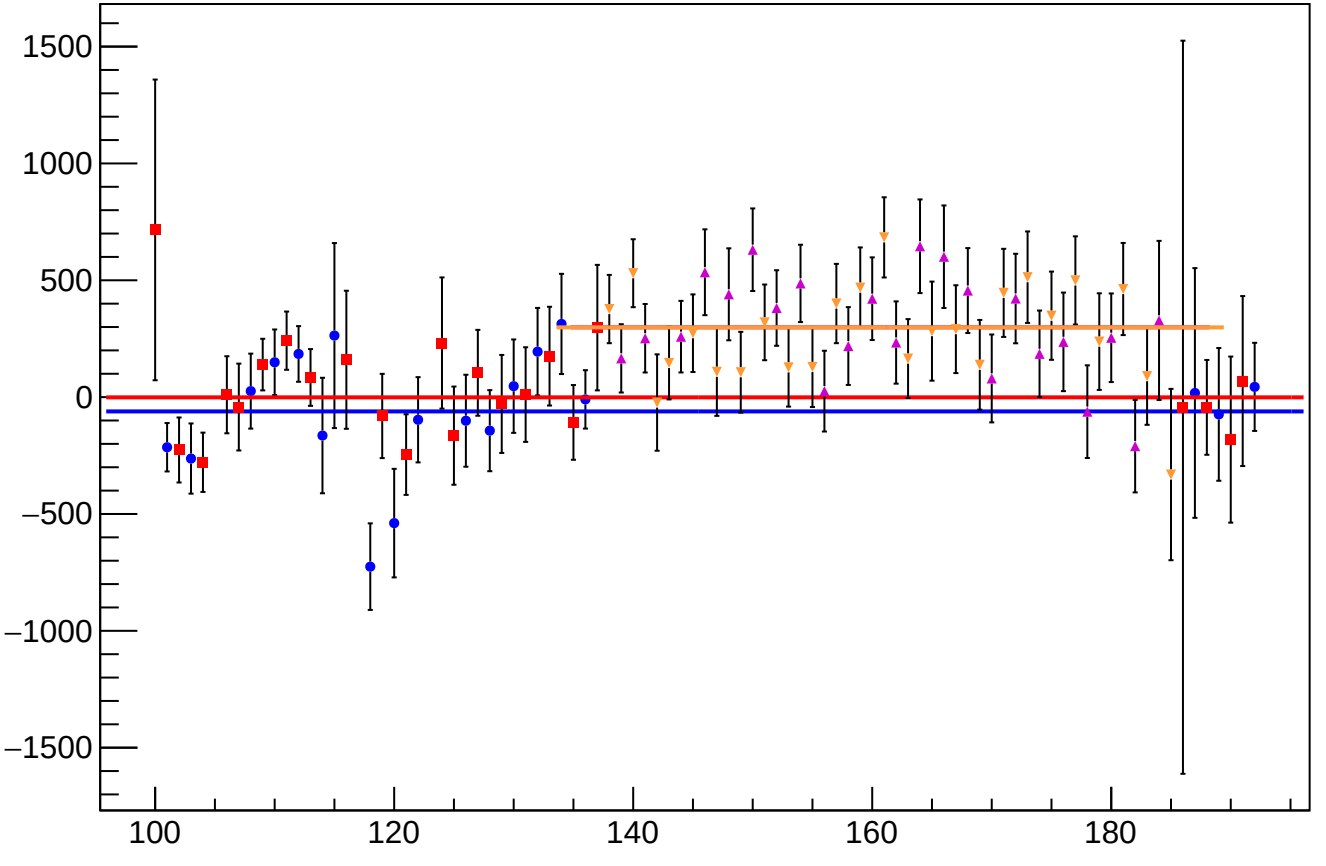
Right: 579.614+/-0.115 χ^2/NDF: 10874017.1/41

In: 784.839+/-0.118 χ^2/NDF:9917310.0/41

Out: 803.878+/-0.116 χ^2/NDF:9533931.4/47

All: 794.488+/-0.083 χ^2/NDF: 19464463.1/89

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: -0.916+/-37.802 χ^2/NDF: 21.5/22

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

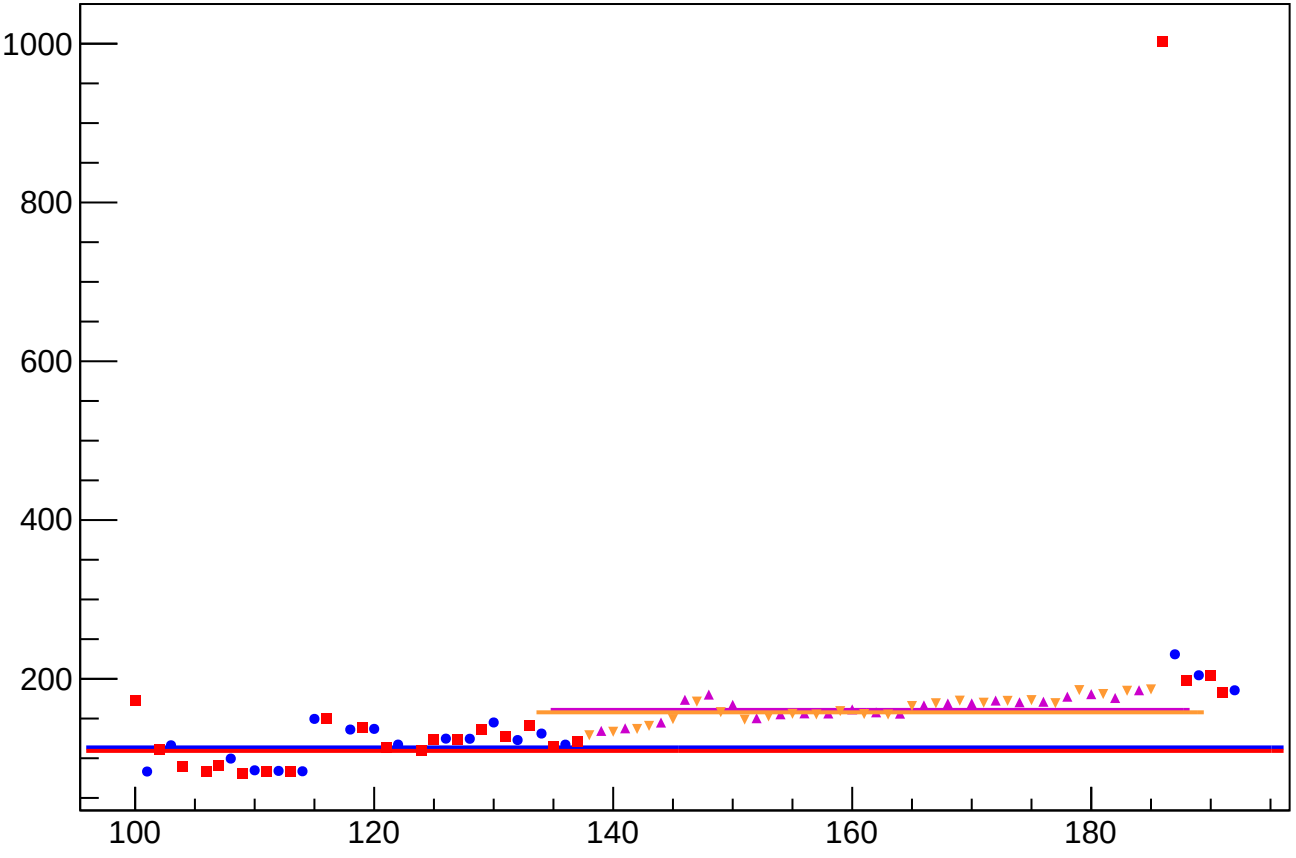
Right: -29.685+/-27.312 χ^2/NDF: 57.4/41

In: 127.069+/-27.284 χ^2/NDF:107.6/41

Out: 155.898+/-26.089 χ^2/NDF:80.3/47

All: 142.129+/-18.856 χ^2/NDF: 188.5/89

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: 109.255+/-0.027 χ^2/NDF: 1928768.8/22

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

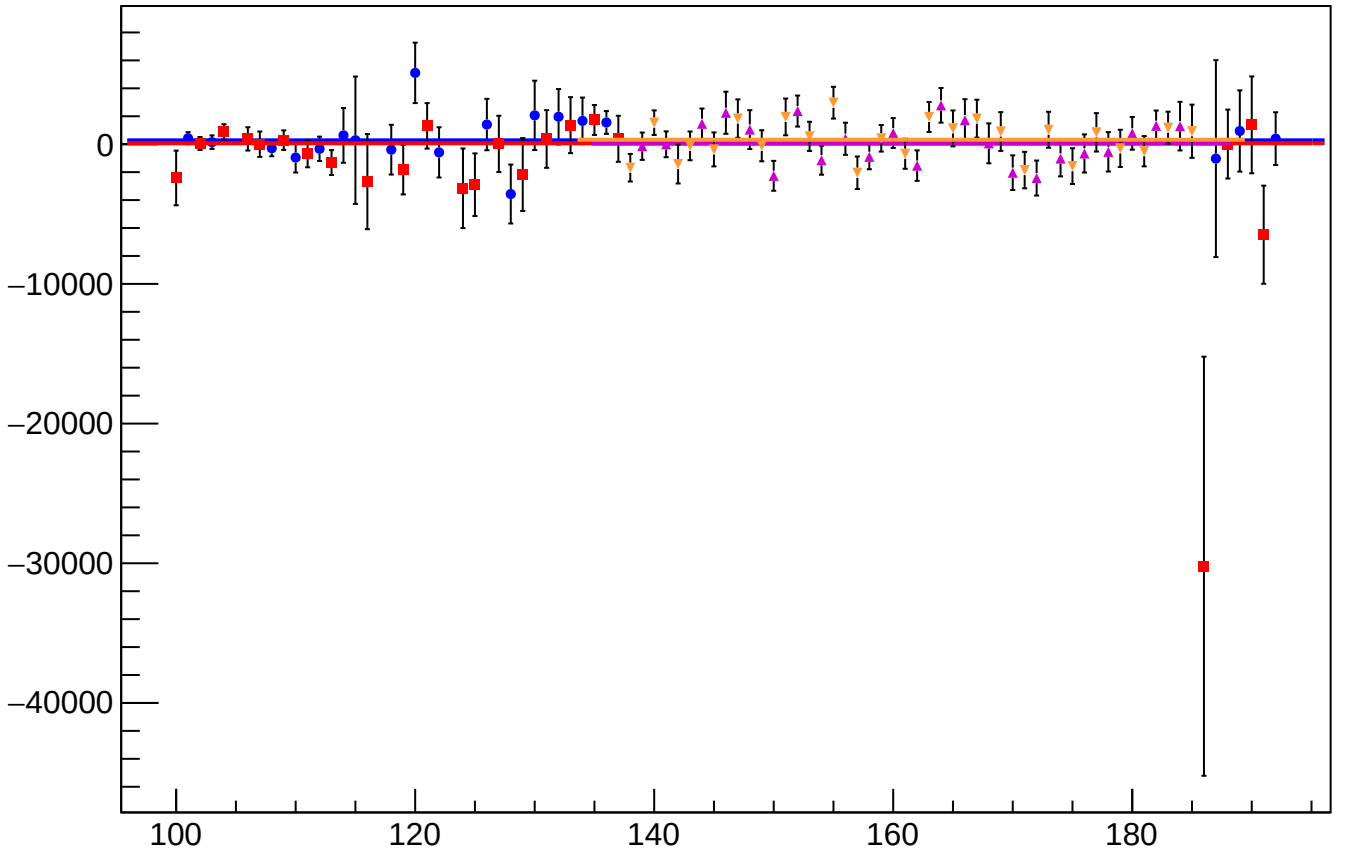
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 111.339+/-0.019 χ^2/NDF: 3109688.7/41

In: 138.333+/-0.019 χ^2/NDF:2933451.8/41

Out: 134.697+/-0.018 χ^2/NDF:4035854.9/47

All: 136.434+/-0.013 χ^2/NDF: 6987855.0/89



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: 67.238+/-230.710 χ^2/NDF: 23.8/22

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

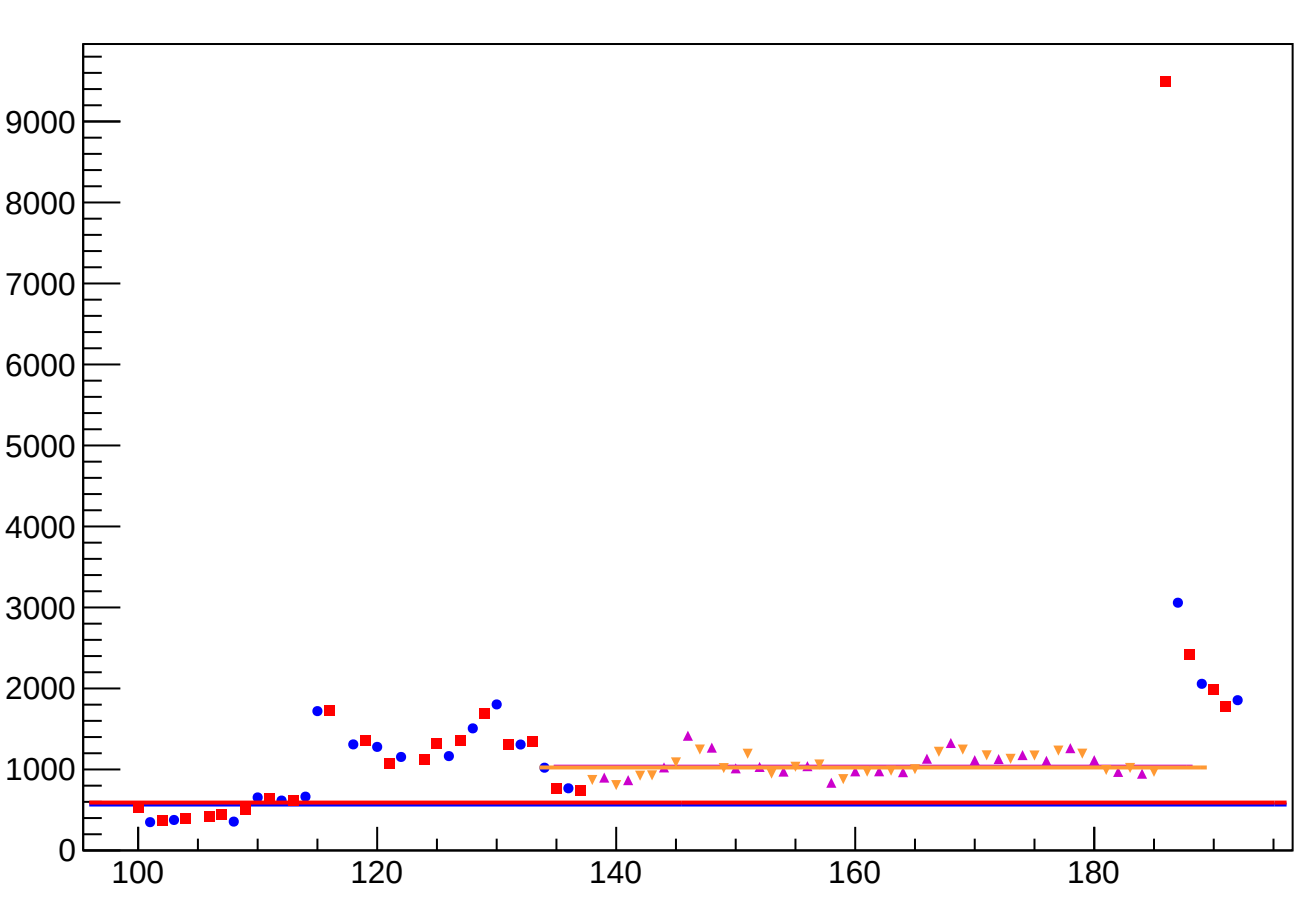
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 172.934+/-162.217 χ^2/NDF: 40.8/41

In: 165.775+/-166.690 χ^2/NDF:51.9/41

Out: 191.222+/-164.661 χ^2/NDF:57.0/47

All: 178.654+/-117.144 χ^2/NDF: 108.8/89



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: 591.128+/-0.163 χ^2/NDF: 5510440.3/22

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

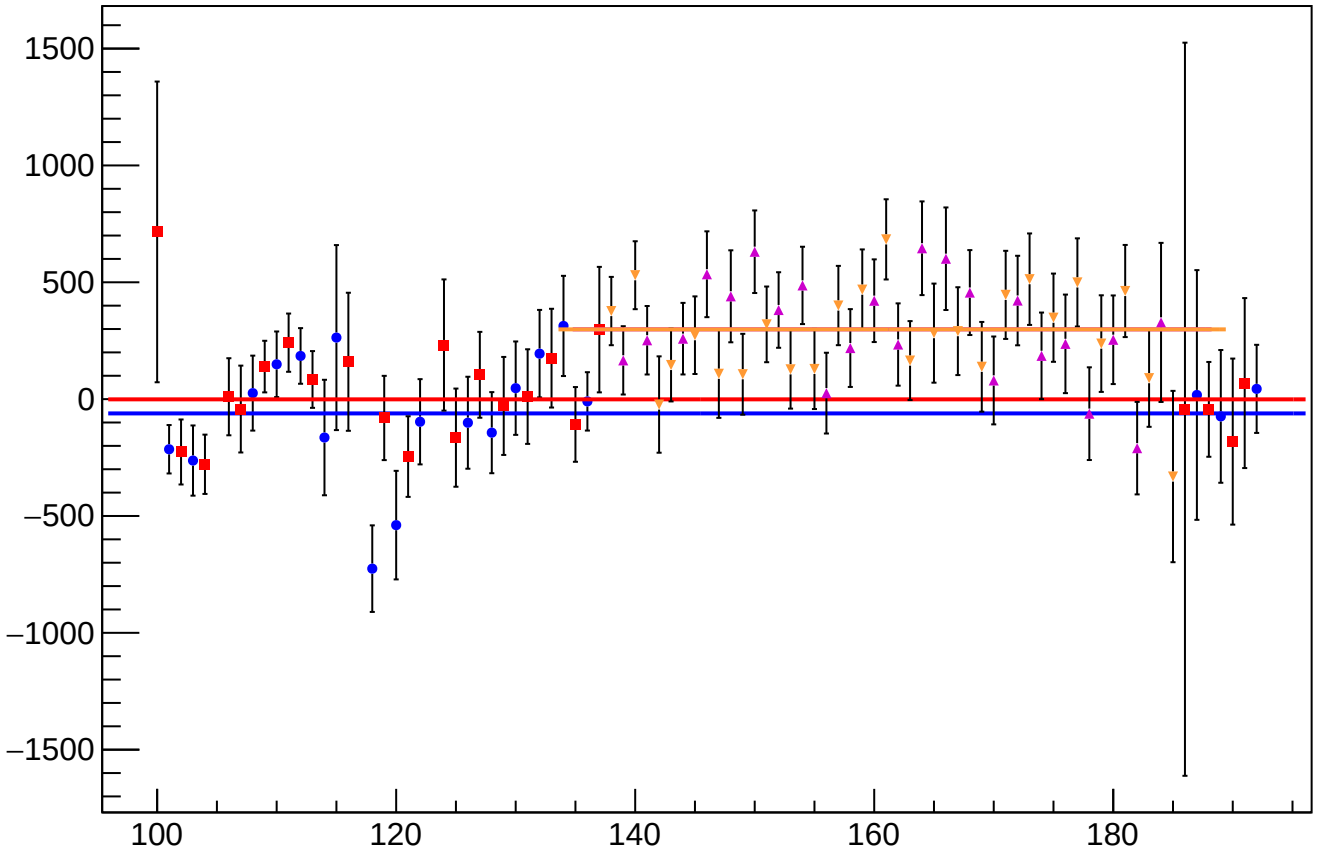
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 578.881+/-0.115 χ^2/NDF: 10895967.0/41

In: 784.820+/-0.118 χ^2/NDF:9918059.0/41

Out: 803.742+/-0.116 χ^2/NDF:9570188.5/47

All: 794.397+/-0.083 χ^2/NDF: 19501290.2/89



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: -0.916+/-37.802 χ^2/NDF: 21.5/22

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

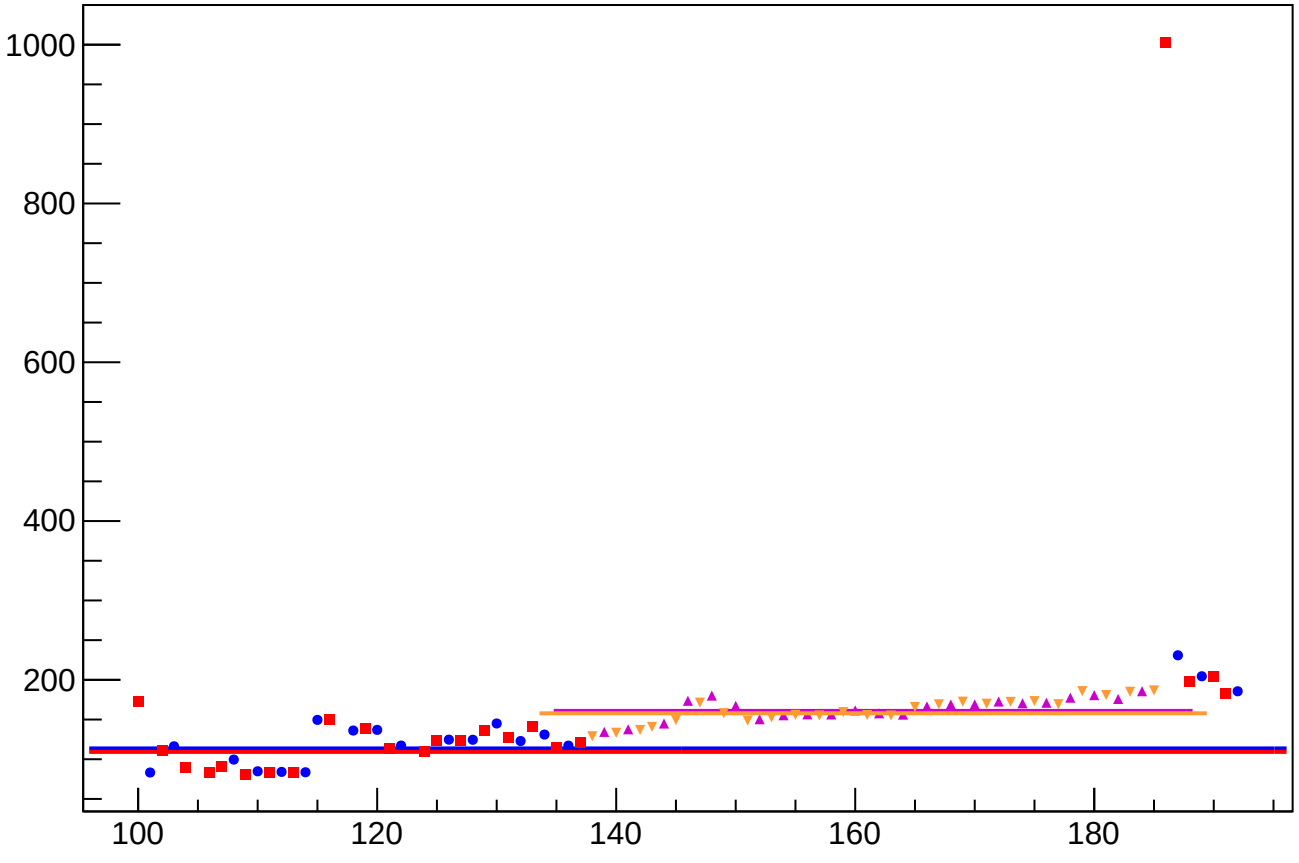
Right: -29.685+/-27.312 χ^2/NDF: 57.4/41

In: 127.069+/-27.284 χ^2/NDF:107.6/41

Out: 155.898+/-26.089 χ^2/NDF:80.3/47

All: 142.129+/-18.856 χ^2/NDF: 188.5/89

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: 109.255+/-0.027 χ^2/NDF: 1928768.8/22

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

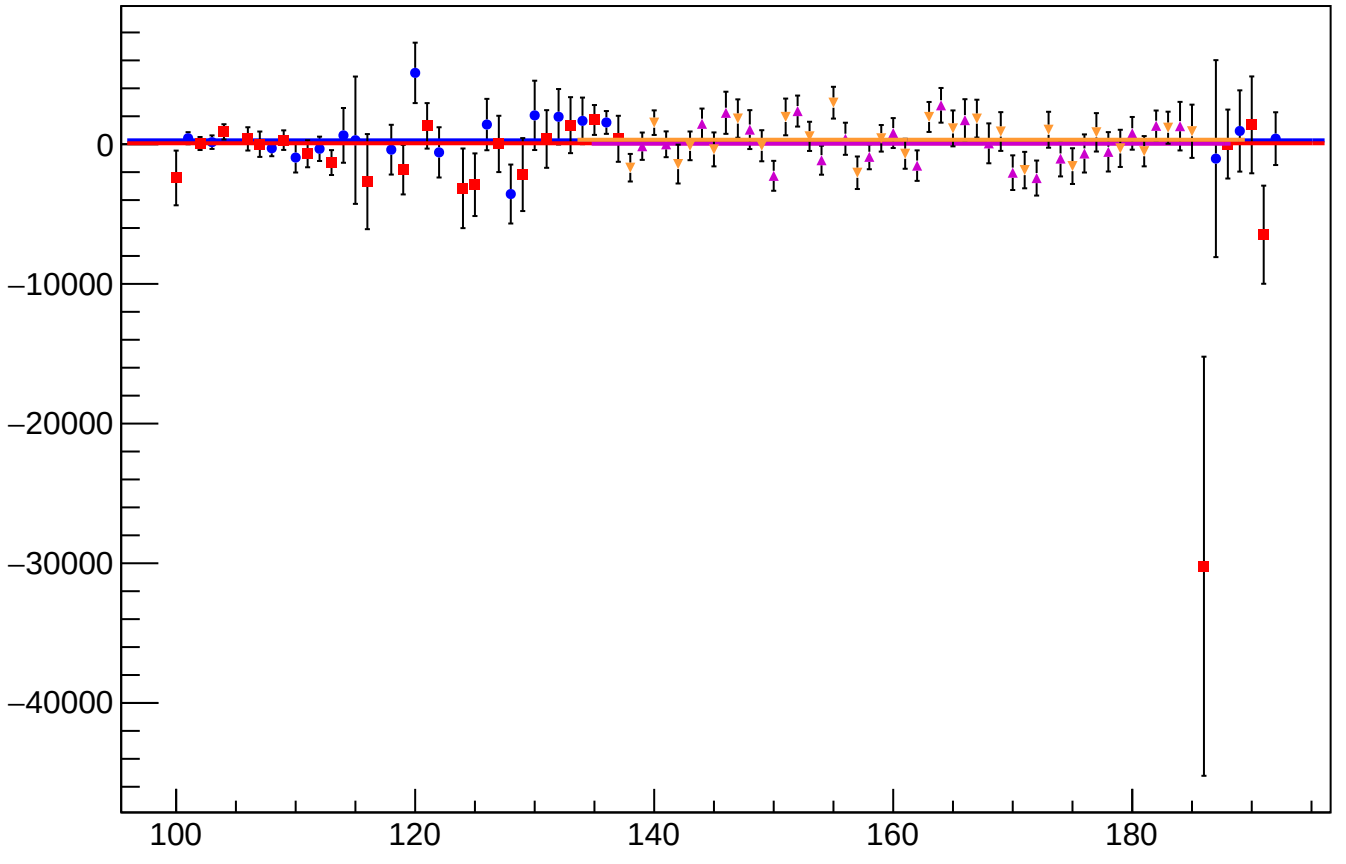
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 111.339+/-0.019 χ^2/NDF: 3109688.7/41

In: 138.333+/-0.019 χ^2/NDF:2933451.8/41

Out: 134.697+/-0.018 χ^2/NDF:4035854.9/47

All: 136.434+/-0.013 χ^2/NDF: 6987855.0/89



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: 67.238+/-230.710 χ^2/NDF: 23.8/22

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

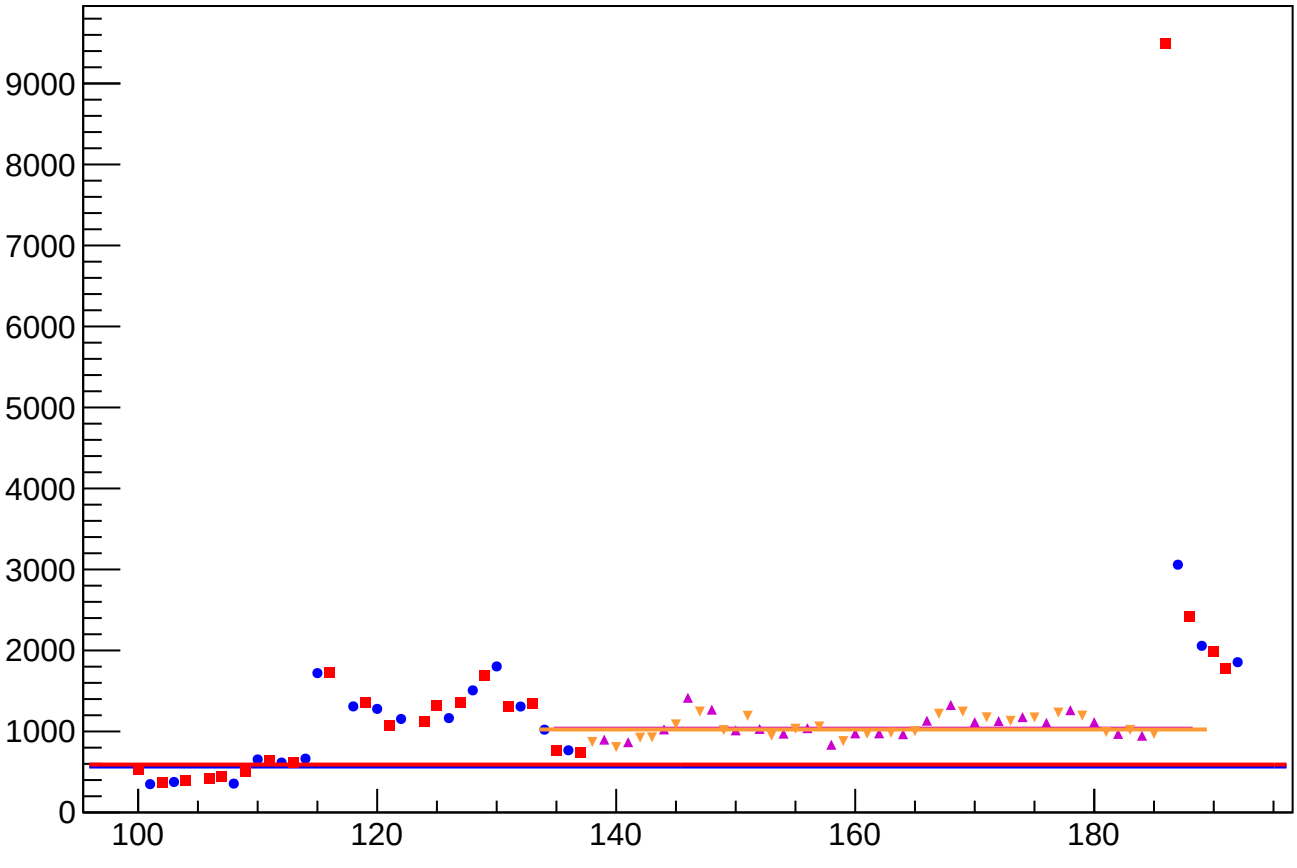
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 172.934+/-162.217 χ^2/NDF: 40.8/41

In: 165.775+/-166.690 χ^2/NDF:51.9/41

Out: 191.222+/-164.661 χ^2/NDF:57.0/47

All: 178.654+/-117.144 χ^2/NDF: 108.8/89



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: 591.128+/-0.163 χ^2/NDF: 5510440.3/22

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

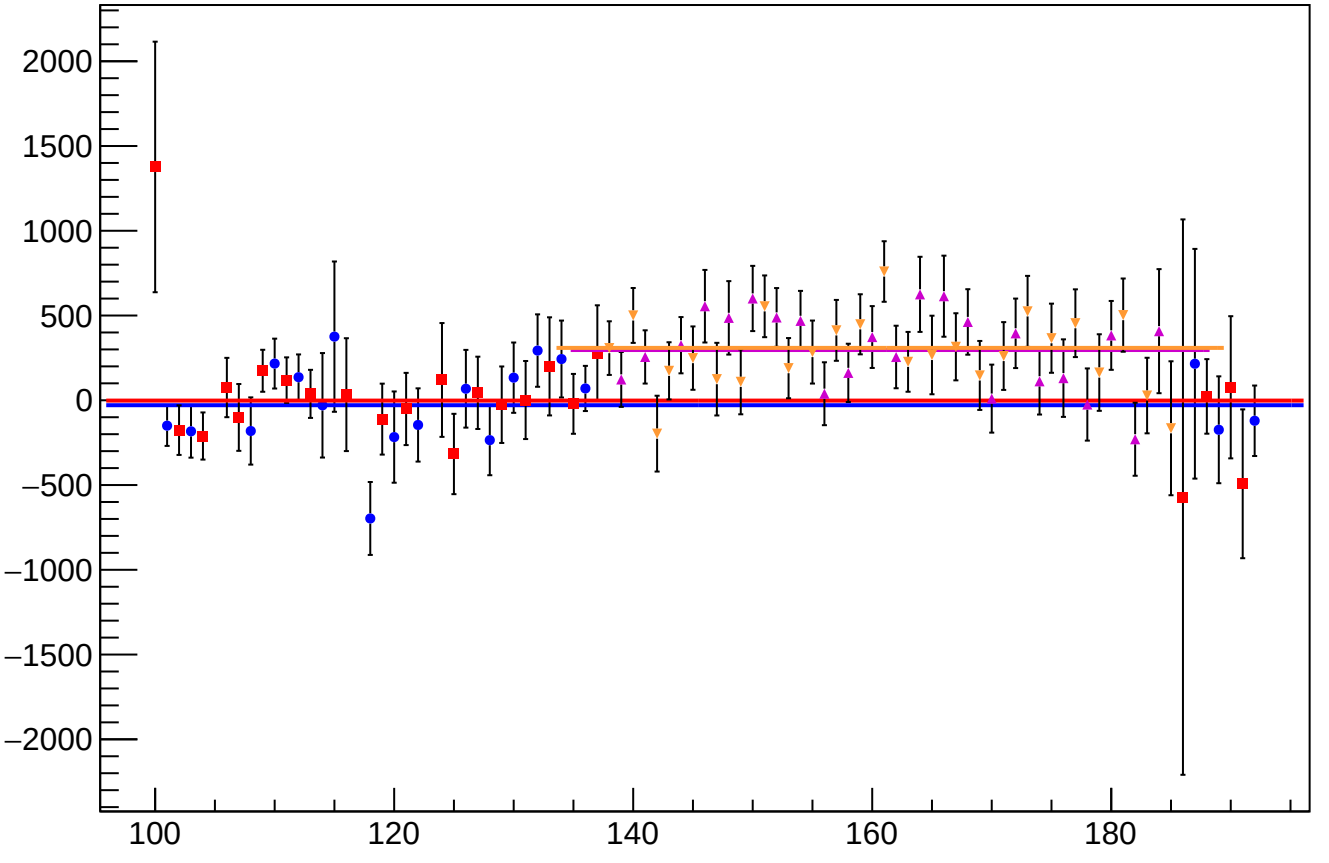
Right: 578.881+/-0.115 χ^2/NDF: 10895967.0/41

In: 784.820+/-0.118 χ^2/NDF:9918059.0/41

Out: 803.742+/-0.116 χ^2/NDF:9570188.5/47

All: 794.397+/-0.083 χ^2/NDF: 19501290.2/89

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: -1.824+/-42.300 χ^2/NDF: 15.7/22

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

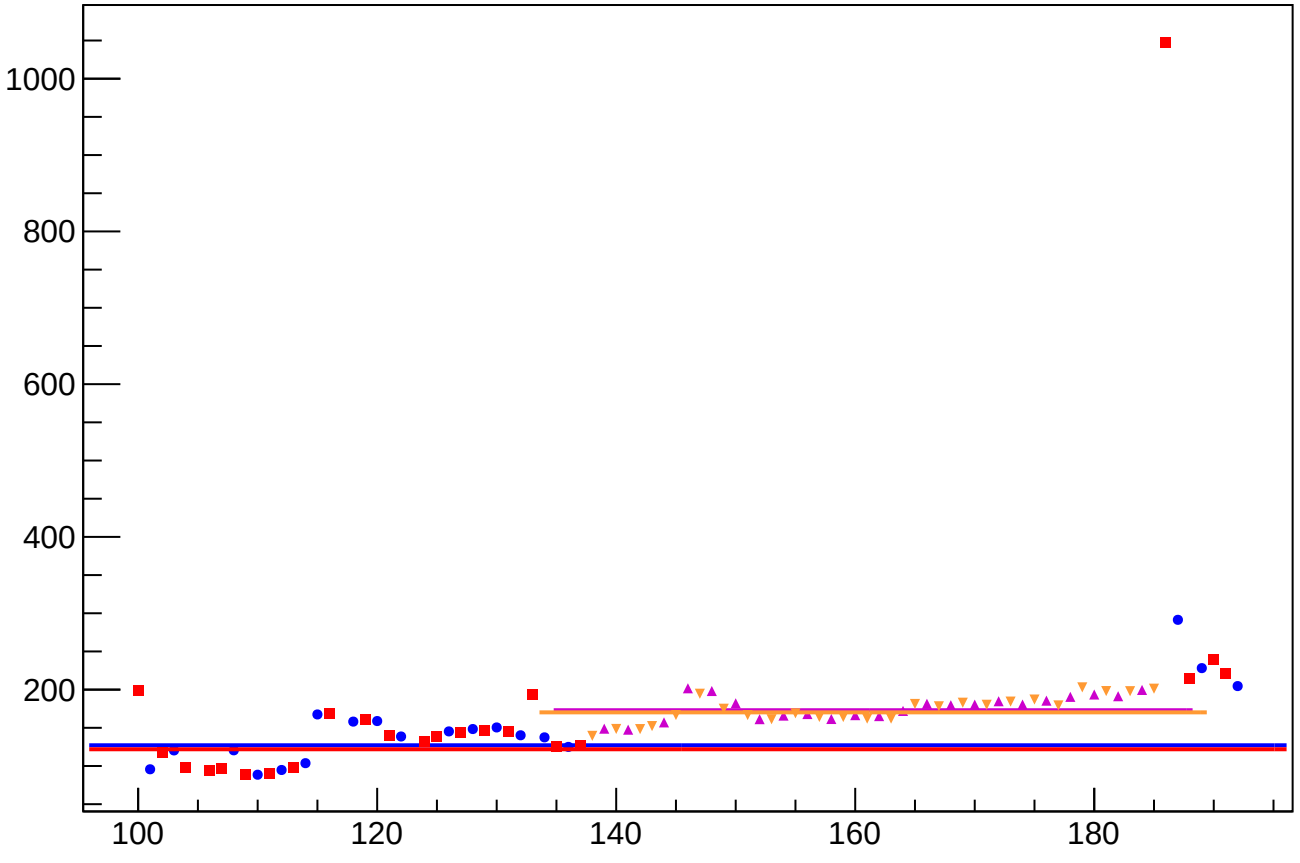
Right: -14.839+/-30.589 χ^2/NDF: 40.7/41

In: 147.784+/-29.930 χ^2/NDF:81.9/41

Out: 166.595+/-28.633 χ^2/NDF:70.5/47

All: 157.606+/-20.690 χ^2/NDF: 152.7/89

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: 121.904+/-0.030 χ^2/NDF: 2067180.9/22

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

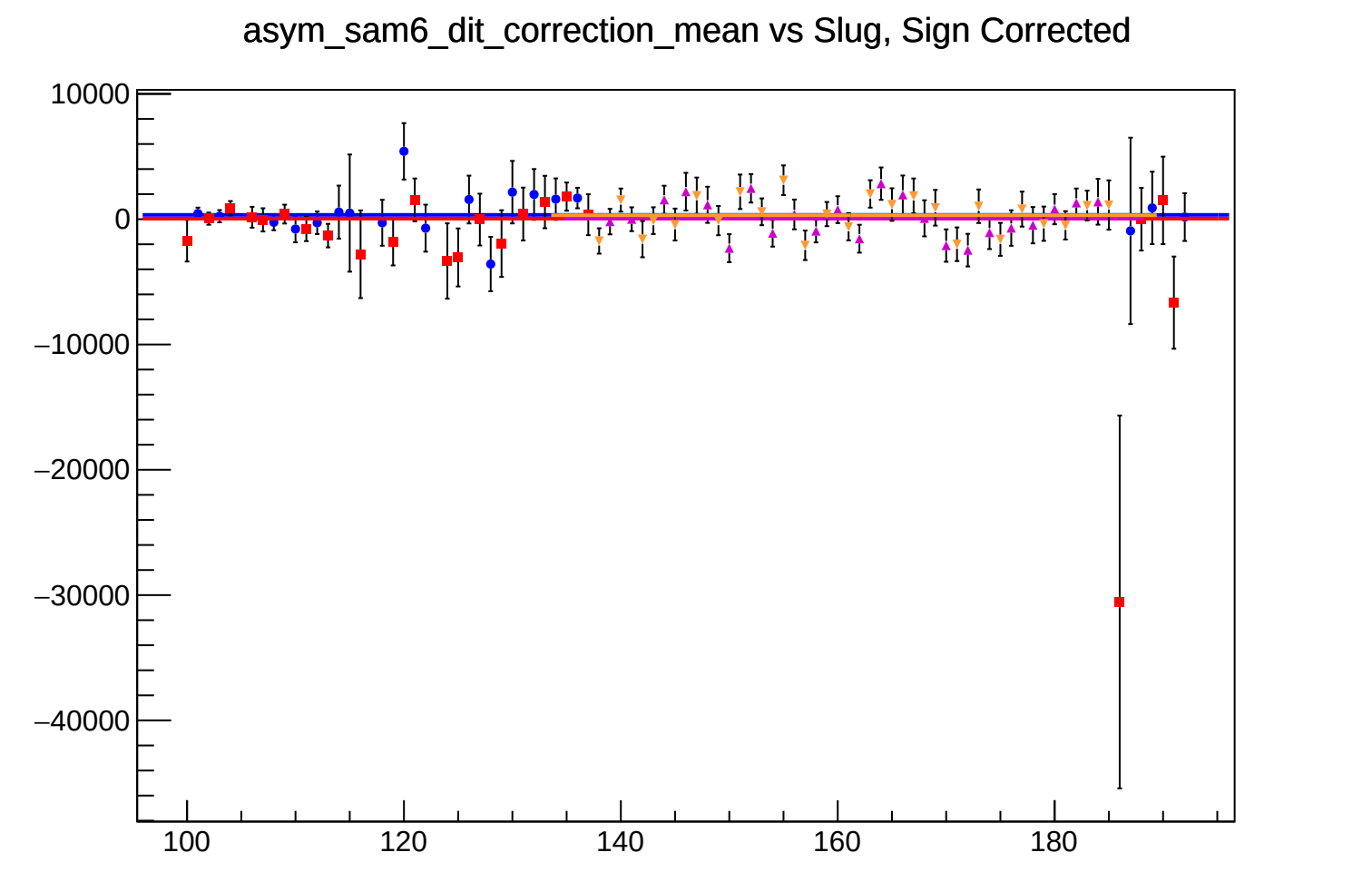
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 124.400+/-0.022 χ^2/NDF: 3255401.3/41

In: 152.065+/-0.021 χ^2/NDF:2633893.6/41

Out: 148.092+/-0.020 χ^2/NDF:3848363.6/47

All: 149.991+/-0.015 χ^2/NDF: 6500652.7/89



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: 45.297+/-238.281 χ^2/NDF: 23.0/22

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

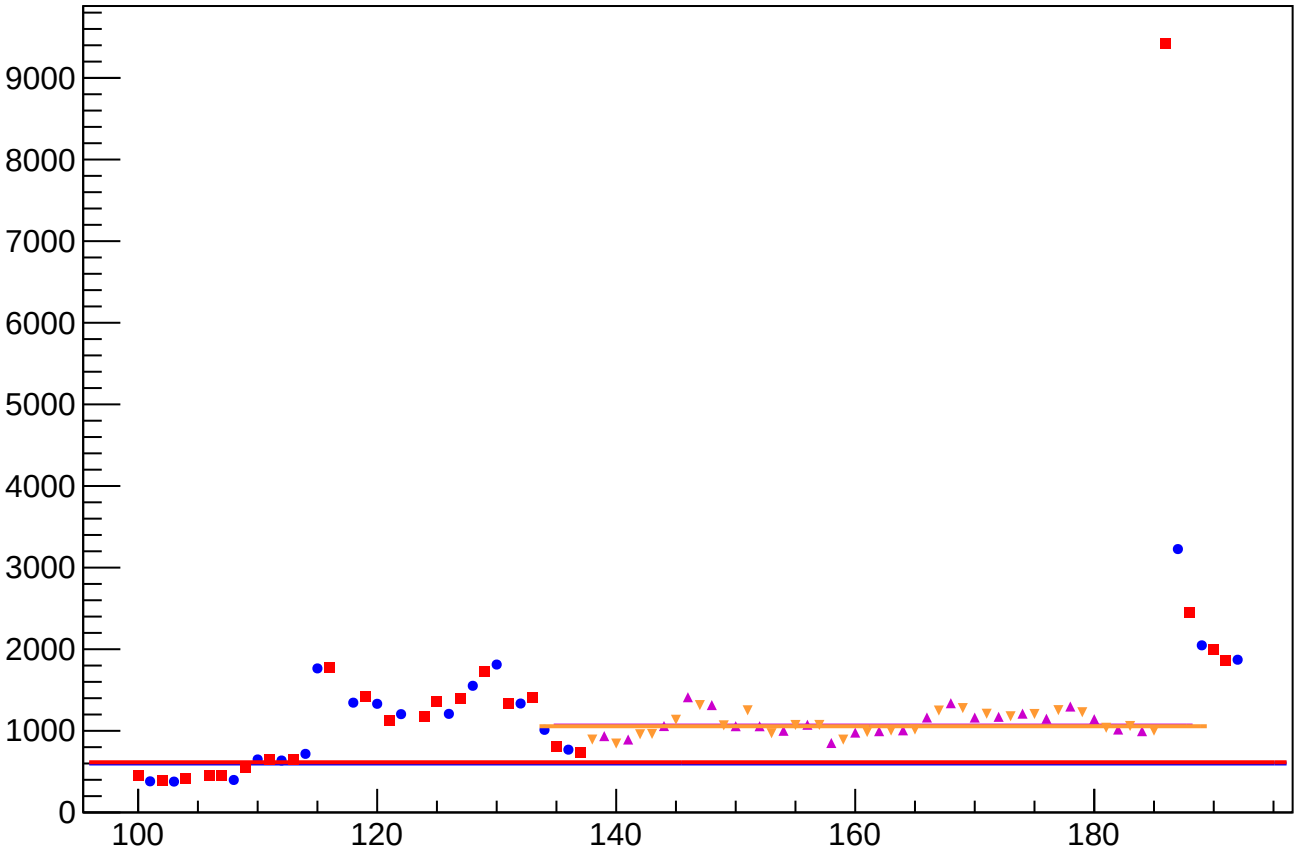
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 194.467+/-168.628 χ^2/NDF: 40.1/41

In: 203.297+/-173.043 χ^2/NDF:51.5/41

Out: 177.169+/-169.929 χ^2/NDF:56.5/47

All: 189.995+/-121.244 χ^2/NDF: 108.0/89



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: 614.935+/-0.168 χ^2/NDF: 5458488.9/22

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

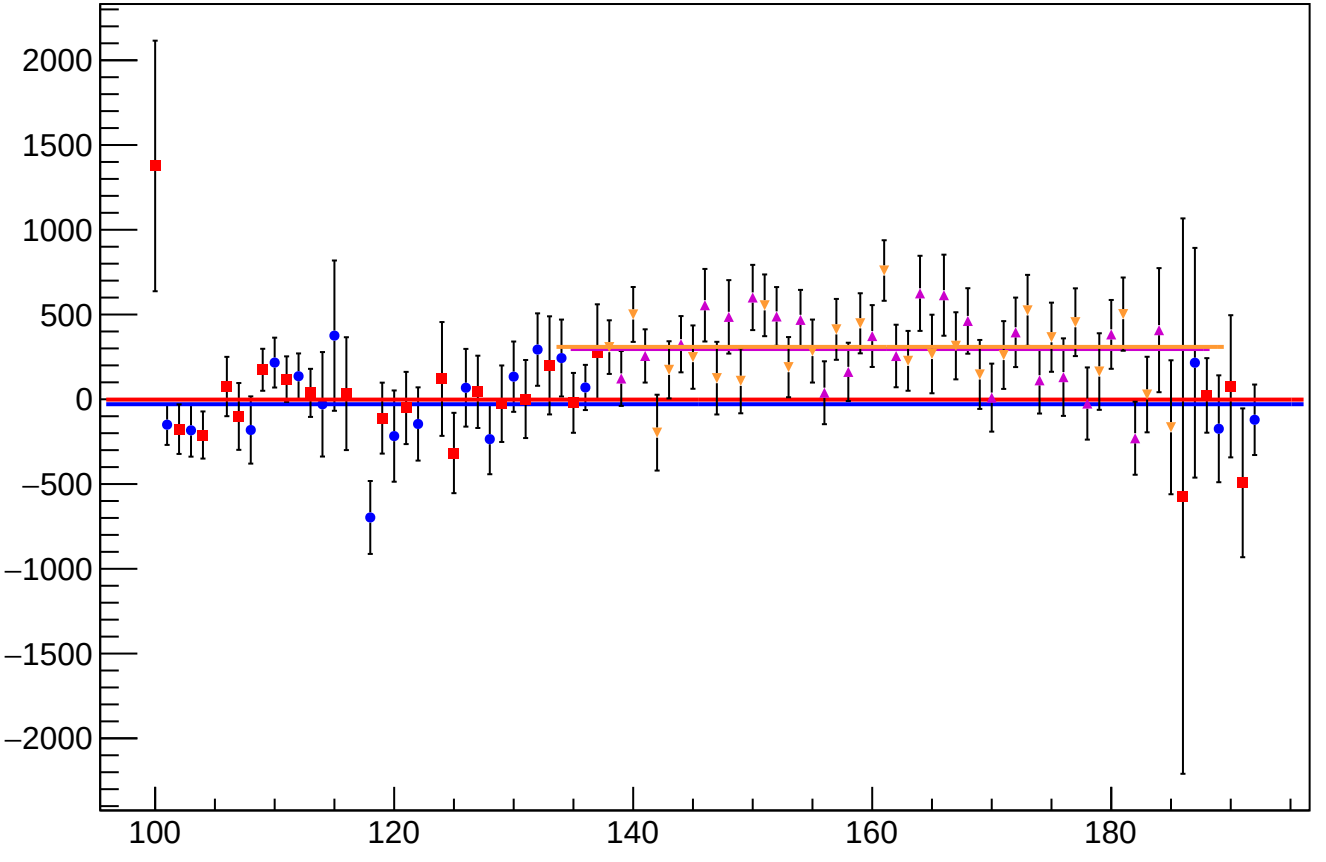
Right: 607.442+/-0.119 χ^2/NDF: 10575203.5/41

In: 820.381+/-0.122 χ^2/NDF:9321203.4/41

Out: 831.848+/-0.120 χ^2/NDF:9441771.5/47

All: 826.219+/-0.086 χ^2/NDF: 18767445.7/89

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: -1.823+/-42.300 χ^2/NDF: 15.7/22

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

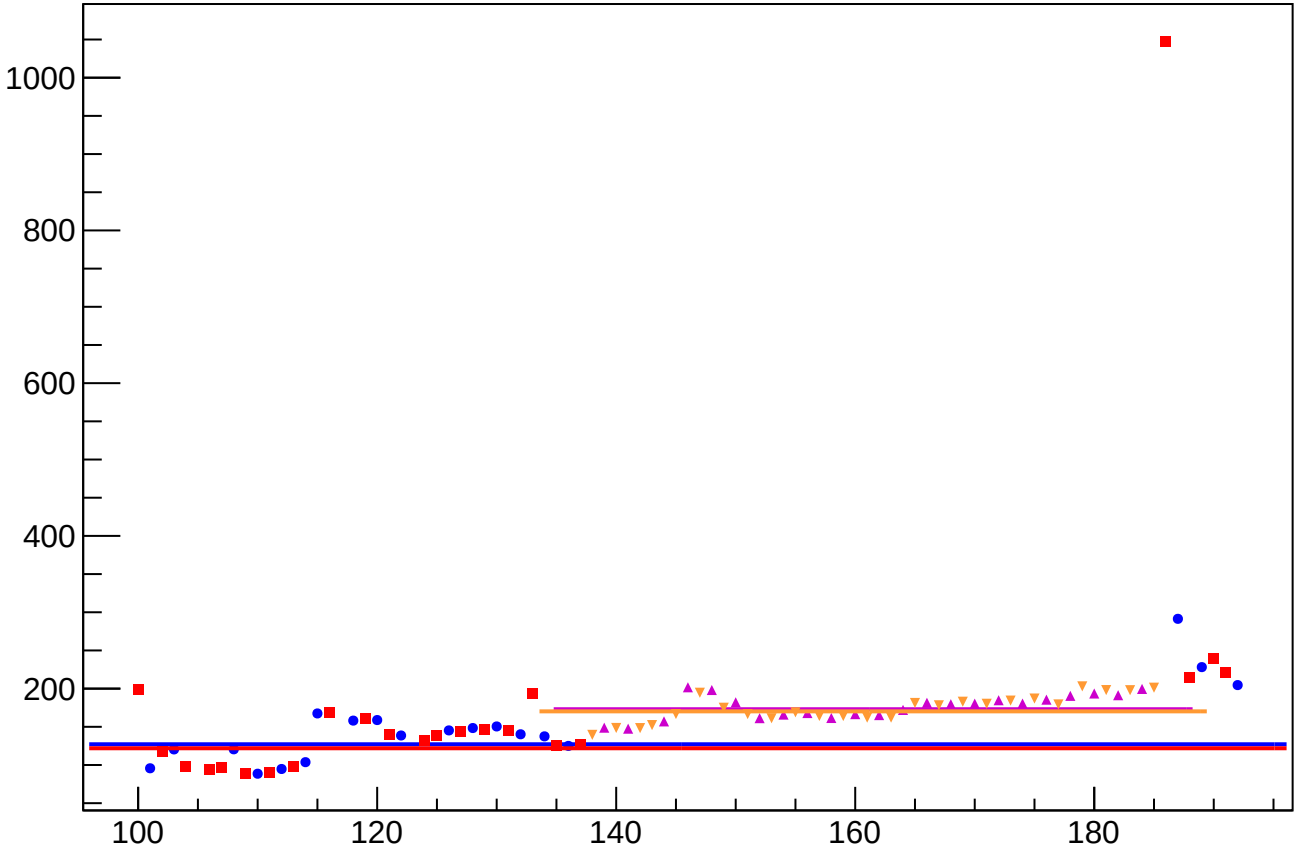
Right: -14.839+/-30.589 χ^2/NDF: 40.7/41

In: 147.784+/-29.930 χ^2/NDF:81.9/41

Out: 166.596+/-28.633 χ^2/NDF:70.5/47

All: 157.606+/-20.690 χ^2/NDF: 152.7/89

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: 121.904+/-0.030 χ^2/NDF: 2067177.3/22

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

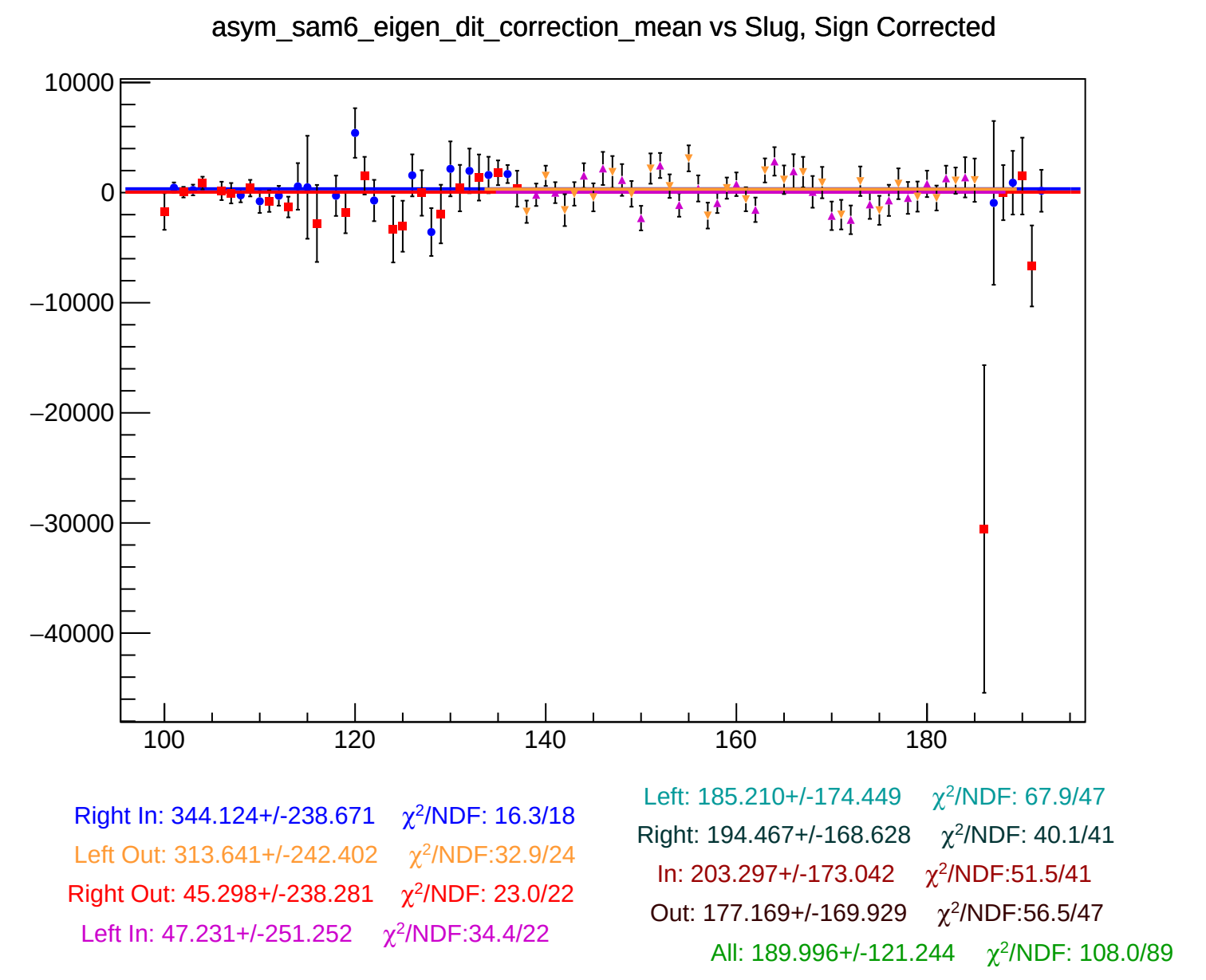
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

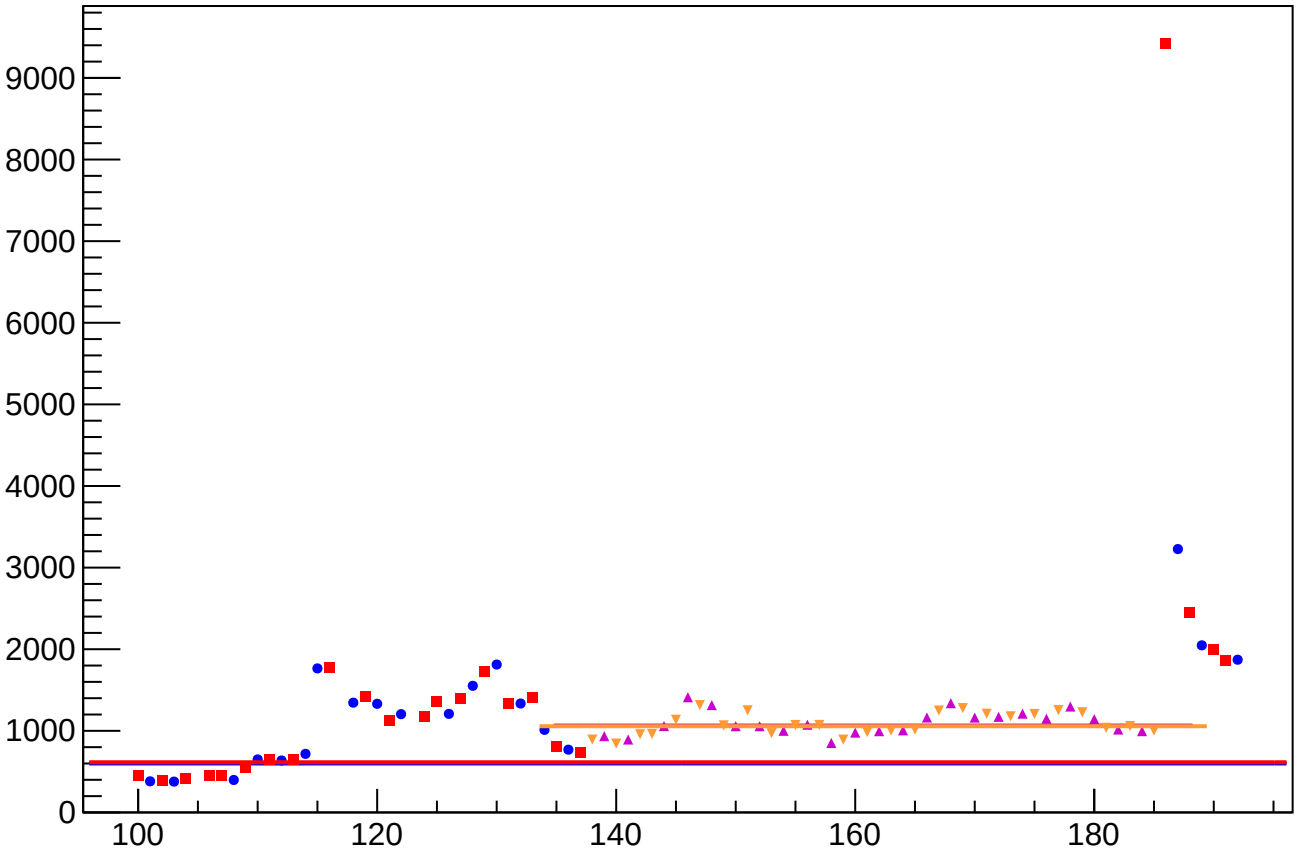
Right: 124.399+/-0.022 χ^2/NDF: 3255403.1/41

In: 152.065+/-0.021 χ^2/NDF:2633907.9/41

Out: 148.092+/-0.020 χ^2/NDF:3848365.8/47

All: 149.990+/-0.015 χ^2/NDF: 6500669.1/89


asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: 344.124+/-238.671 χ²/NDF: 16.3/18
Left Out: 313.641+/-242.402 χ²/NDF:32.9/24
Right Out: 45.298+/-238.281 χ²/NDF: 23.0/22
Left In: 47.231+/-251.252 χ²/NDF:34.4/22
Left: 185.210+/-174.449 χ²/NDF: 67.9/47
Right: 194.467+/-168.628 χ²/NDF: 40.1/41
In: 203.297+/-173.042 χ²/NDF:51.5/41
Out: 177.169+/-169.929 χ²/NDF:56.5/47
All: 189.996+/-121.244 χ²/NDF: 108.0/89



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: 614.934+/-0.168 χ^2/NDF: 5458489.5/22

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

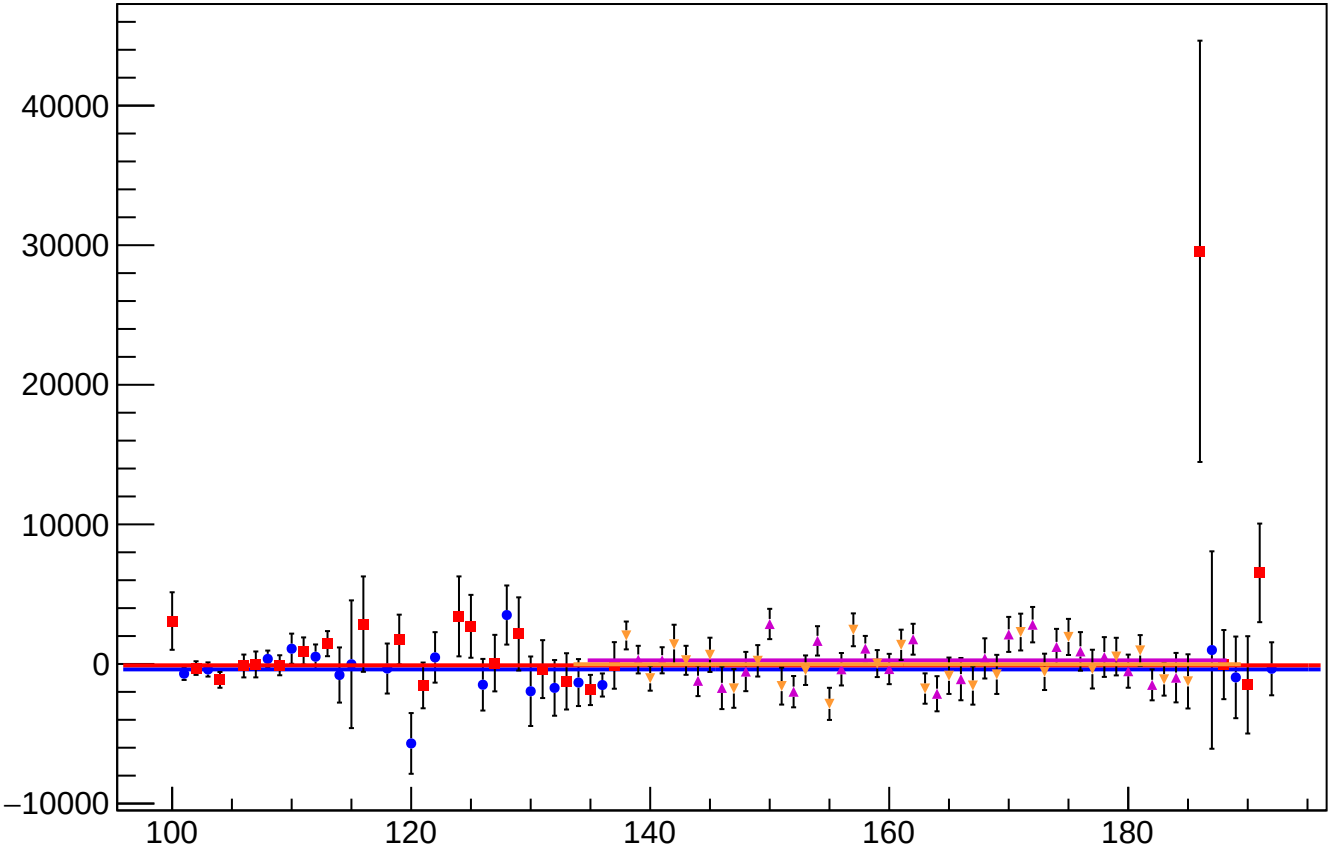
Right: 607.441+/-0.119 χ^2/NDF: 10575210.0/41

In: 820.380+/-0.122 χ^2/NDF:9321228.4/41

Out: 831.847+/-0.120 χ^2/NDF:9441790.1/47

All: 826.218+/-0.086 χ^2/NDF: 18767489.6/89

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: -97.110+/-236.041 χ^2/NDF: 26.9/22

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

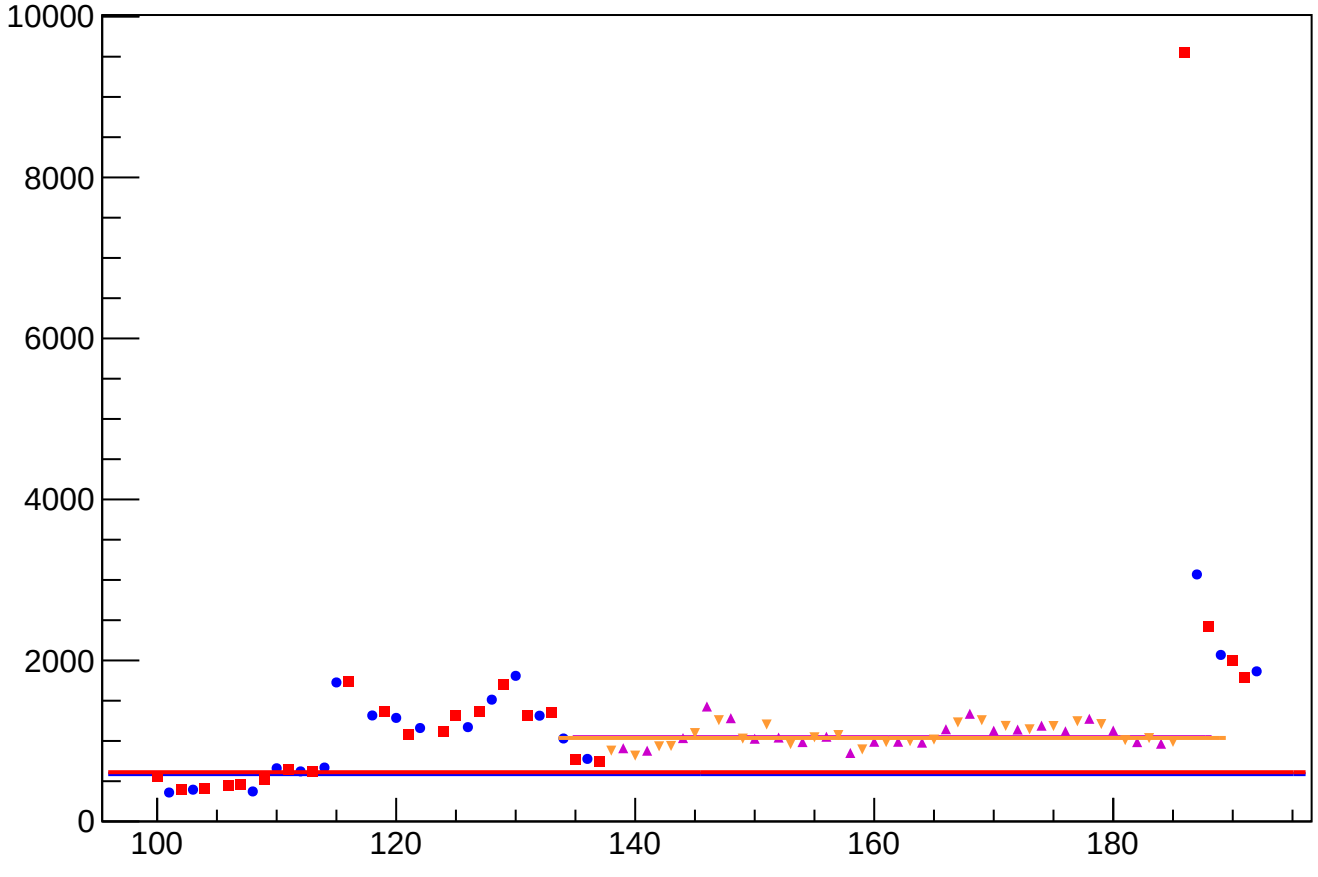
Right: -243.359+/-166.464 χ^2/NDF: 45.7/41

In: -82.886+/-170.243 χ^2/NDF:55.1/41

Out: -59.792+/-167.585 χ^2/NDF:61.5/47

All: -71.157+/-119.429 χ^2/NDF: 116.6/89

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: 611.798+/-0.167 χ^2/NDF: 5324846.9/22

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

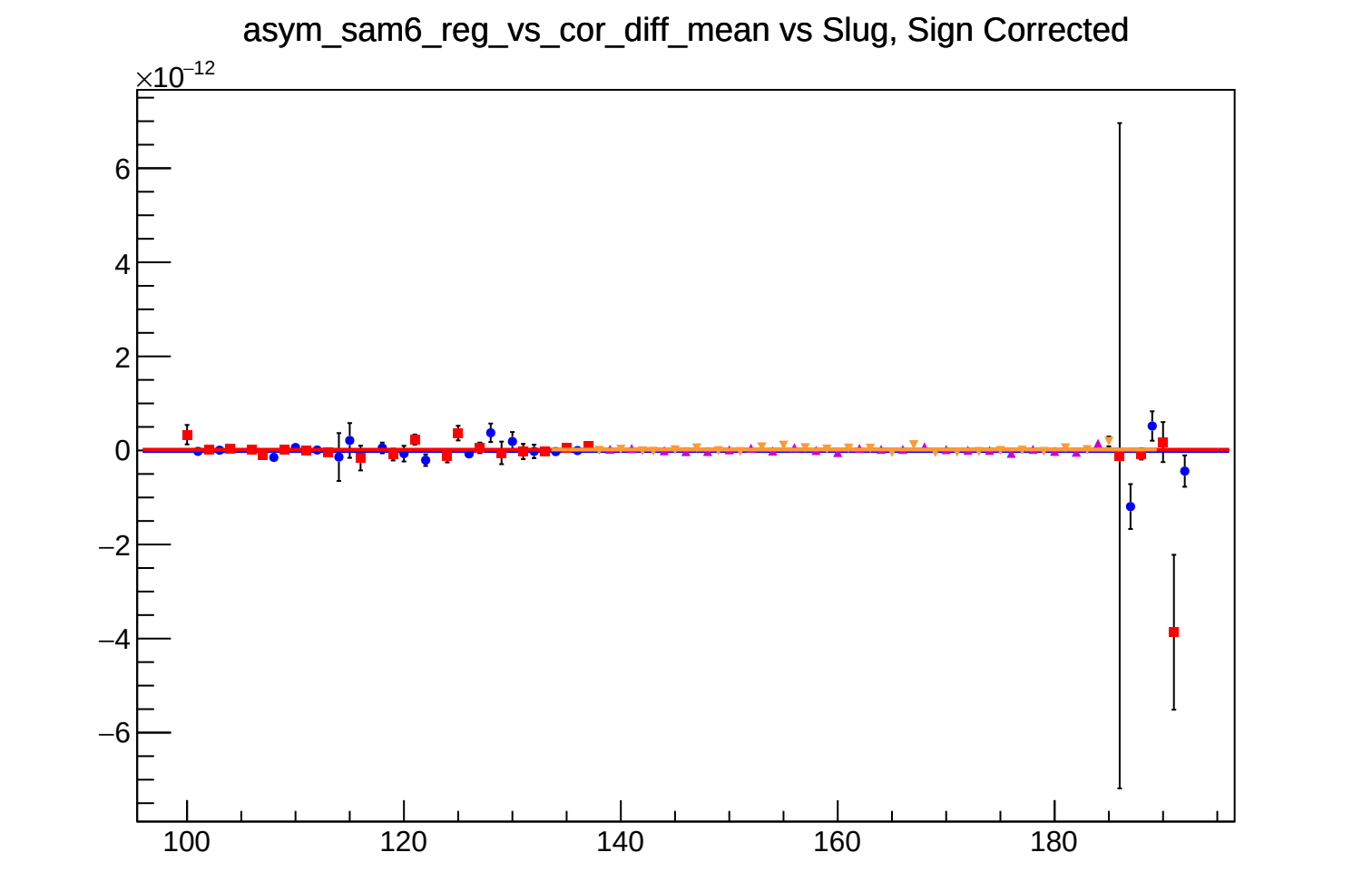
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 599.758+/-0.118 χ^2/NDF: 10518790.2/41

In: 805.910+/-0.120 χ^2/NDF:9434336.1/41

Out: 822.828+/-0.119 χ^2/NDF:9133836.5/47

All: 814.502+/-0.084 χ^2/NDF: 18578203.6/89



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/22

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

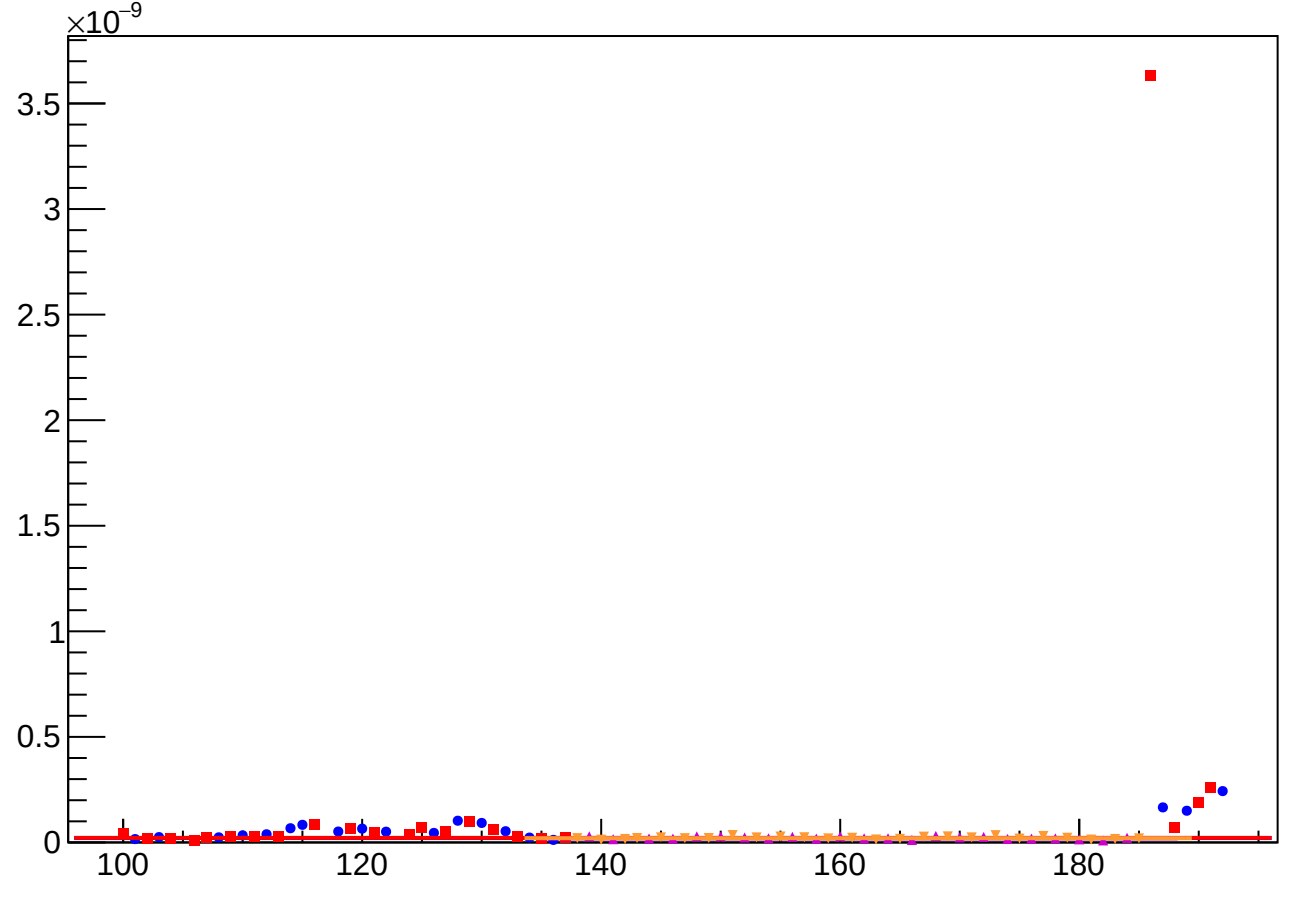
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 55.6/41

In: 0.000+/-0.000 χ^2/NDF:47.0/41

Out: 0.000+/-0.000 χ^2/NDF:56.2/47

All: 0.000+/-0.000 χ^2/NDF: 106.9/89



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: 3069773.5/22

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

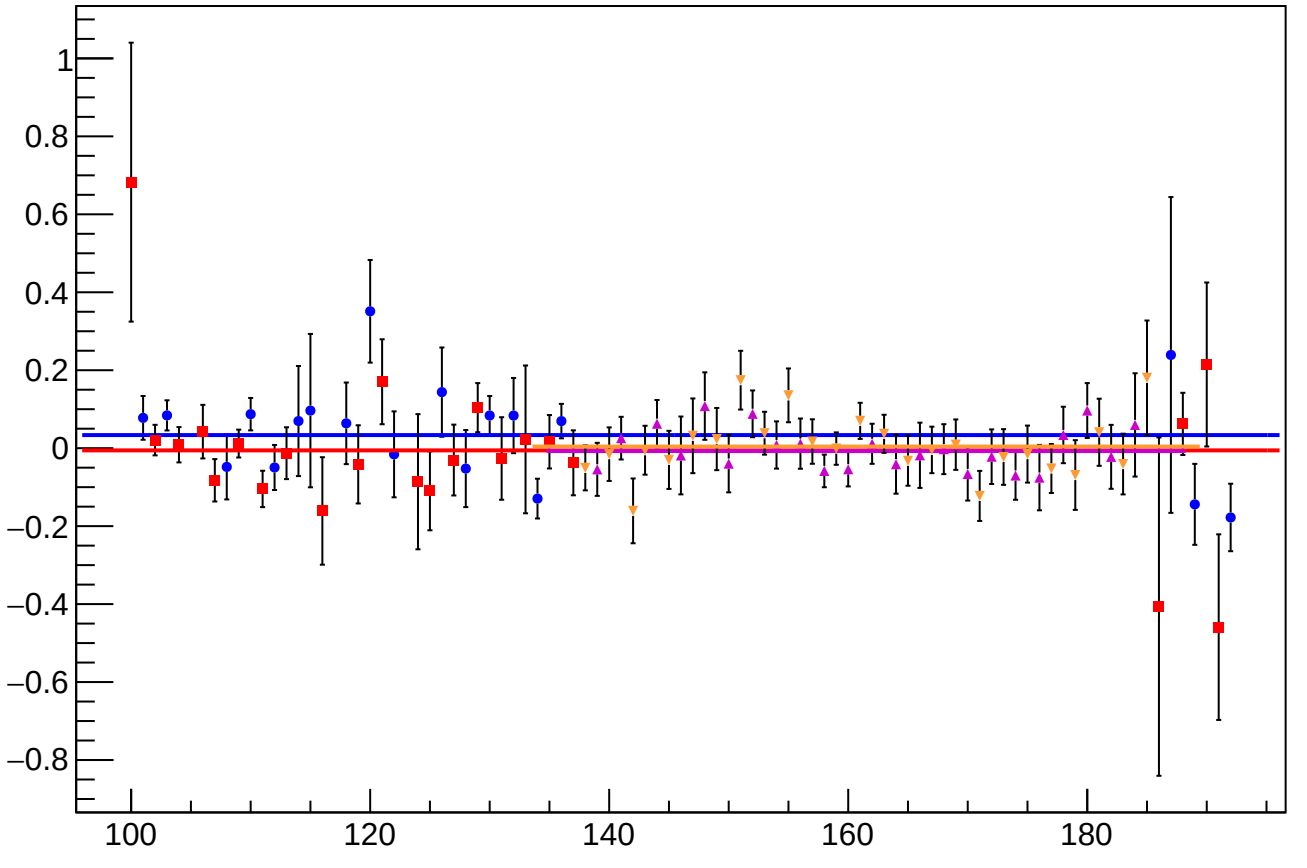
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 6498692.4/41

In: 0.000+/-0.000 χ^2/NDF:4500352.4/41

Out: 0.000+/-0.000 χ^2/NDF:4081221.2/47

All: 0.000+/-0.000 χ^2/NDF: 8598584.5/89



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: -0.006+/-0.015 χ^2/NDF: 26.5/22

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

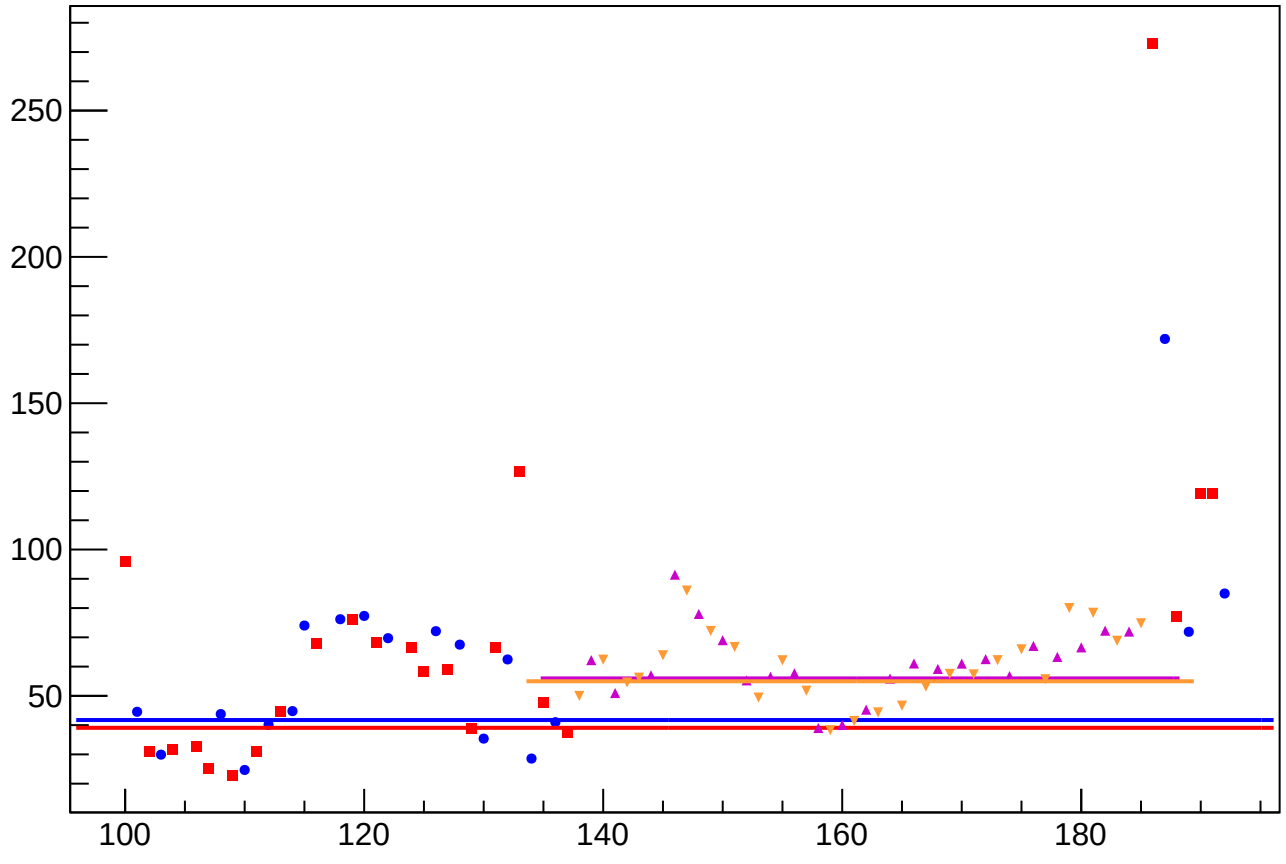
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.013+/-0.011 χ^2/NDF: 66.1/41

In: 0.010+/-0.010 χ^2/NDF:55.3/41

Out: -0.000+/-0.010 χ^2/NDF:51.5/47

All: 0.005+/-0.007 χ^2/NDF: 107.3/89



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: 39.078+/-0.010 χ^2/NDF: 3693785.7/22

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

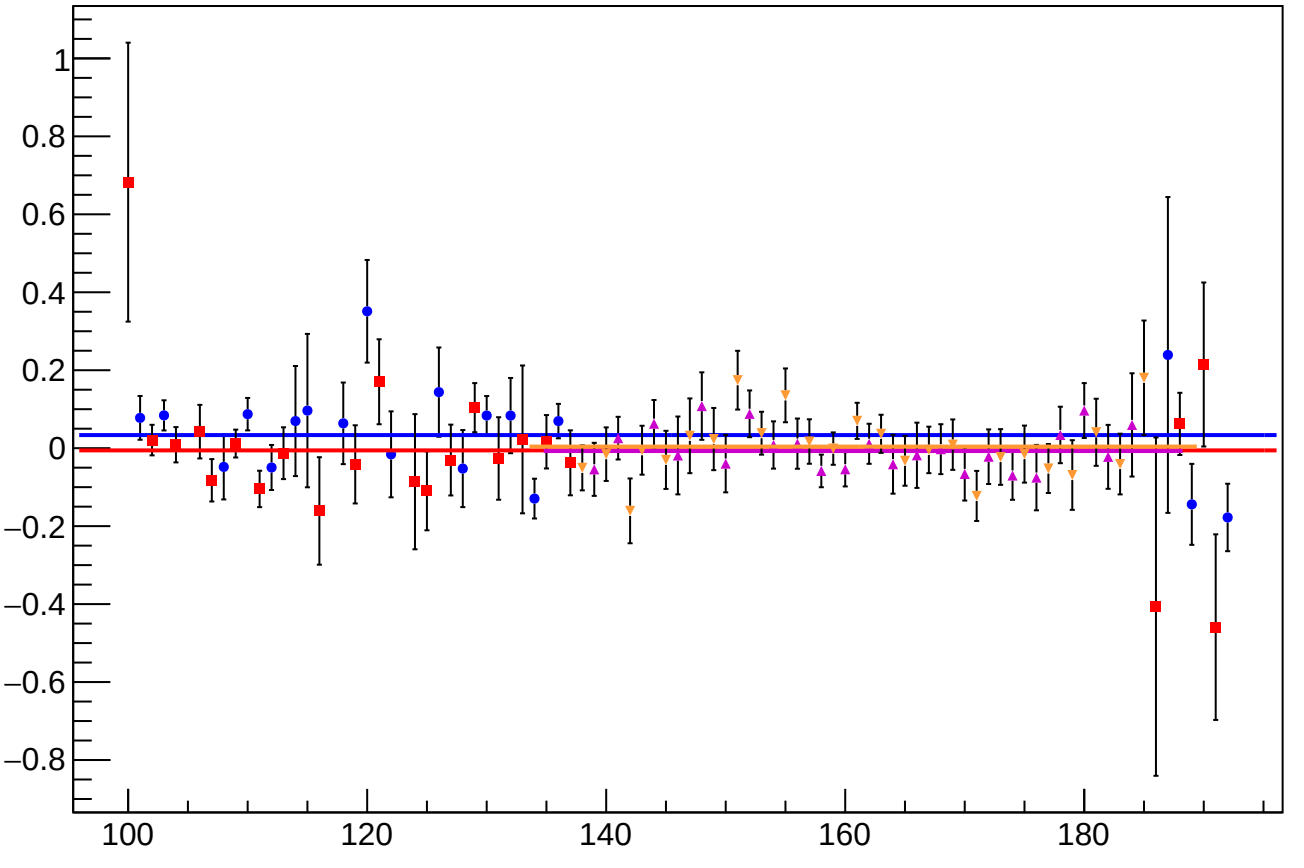
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 40.339+/-0.008 χ^2/NDF: 6210752.4/41

In: 49.843+/-0.007 χ^2/NDF:4843639.2/41

Out: 48.071+/-0.007 χ^2/NDF:6571751.2/47

All: 48.915+/-0.005 χ^2/NDF: 11446928.6/89



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: -0.006+/-0.015 χ^2/NDF: 26.5/22

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

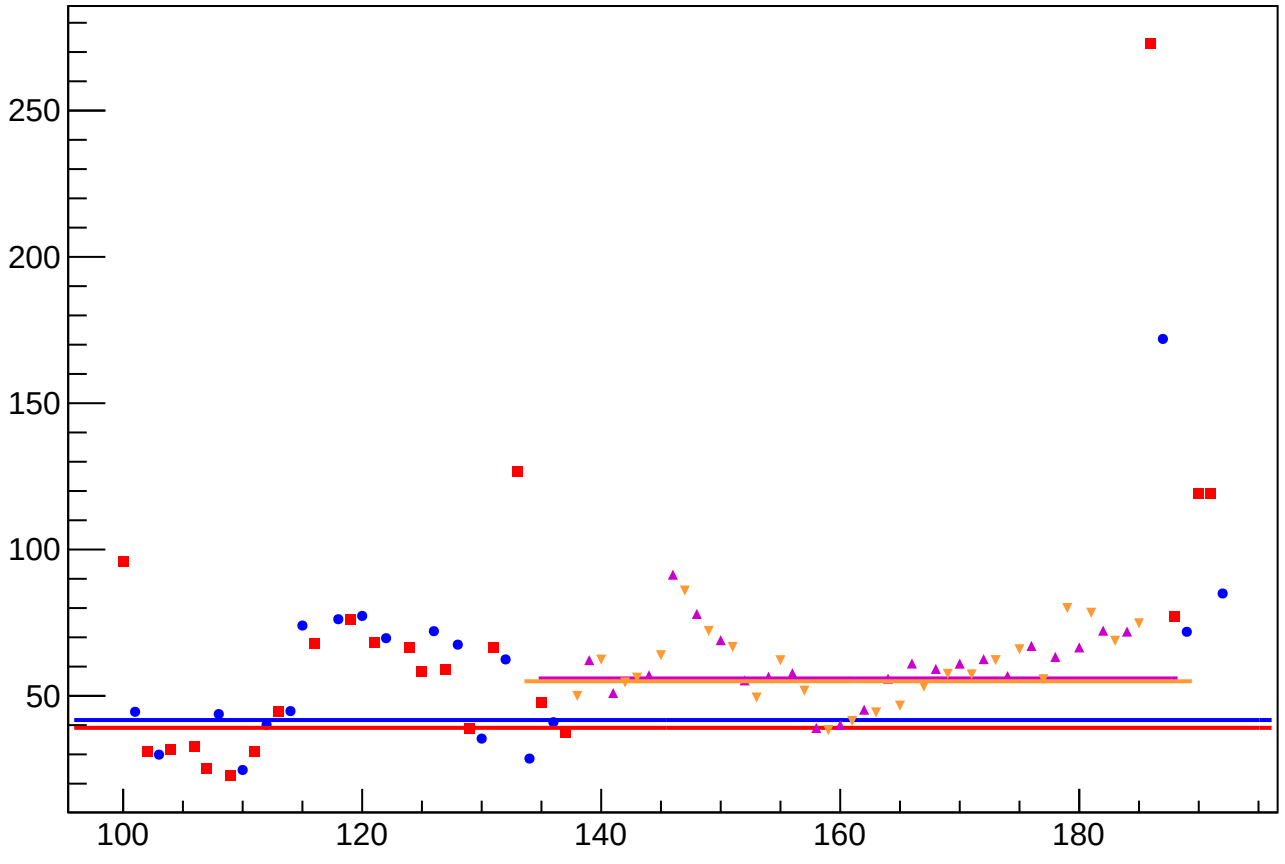
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.013+/-0.011 χ^2/NDF: 66.1/41

In: 0.010+/-0.010 χ^2/NDF:55.3/41

Out: -0.000+/-0.010 χ^2/NDF:51.5/47

All: 0.005+/-0.007 χ^2/NDF: 107.3/89



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: 39.078+/-0.010 χ^2/NDF: 3693785.7/22

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

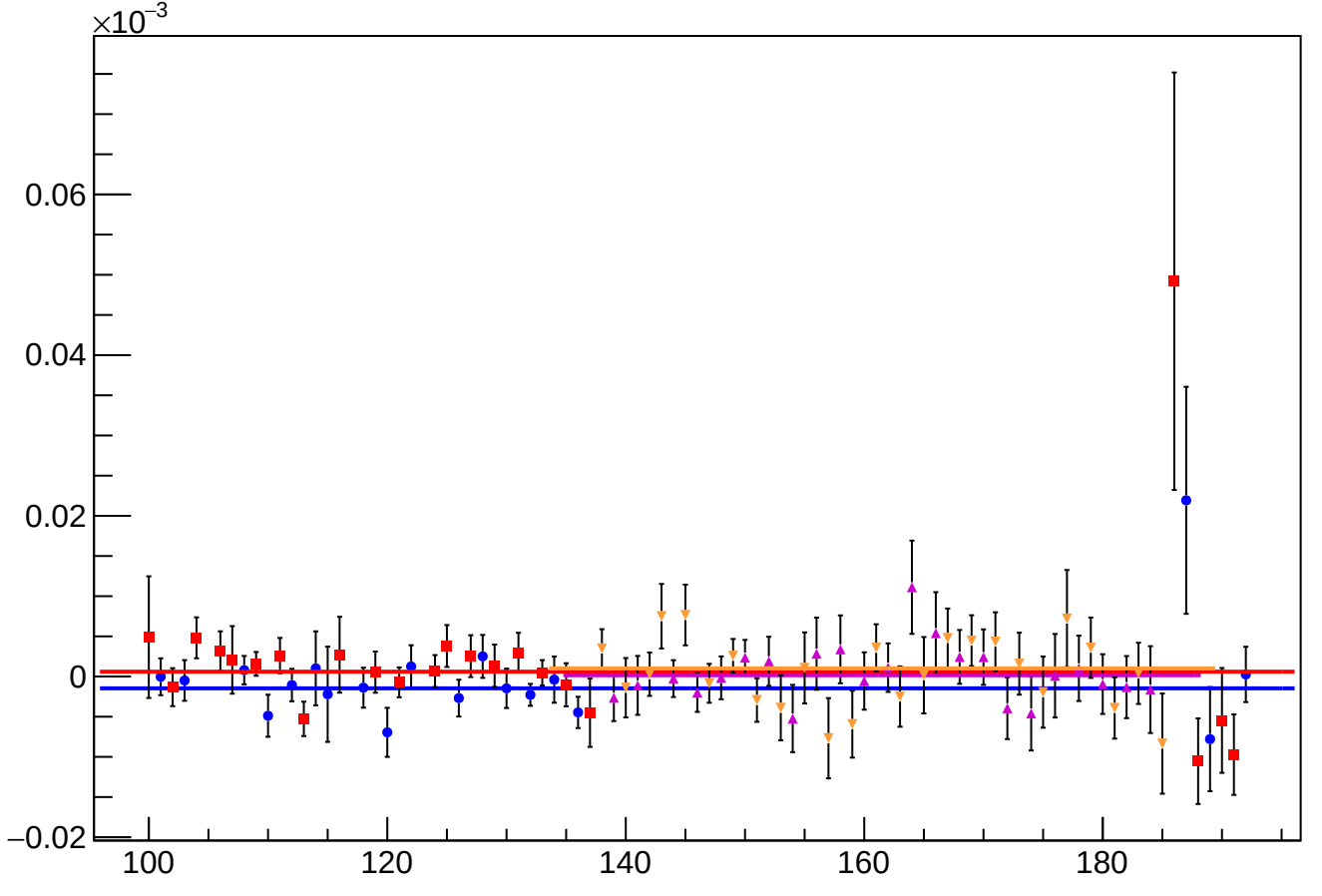
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 40.339+/-0.008 χ^2/NDF: 6210752.4/41

In: 49.843+/-0.007 χ^2/NDF:4843639.2/41

Out: 48.071+/-0.007 χ^2/NDF:6571751.2/47

All: 48.915+/-0.005 χ^2/NDF: 11446928.6/89



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: 32.3/22

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

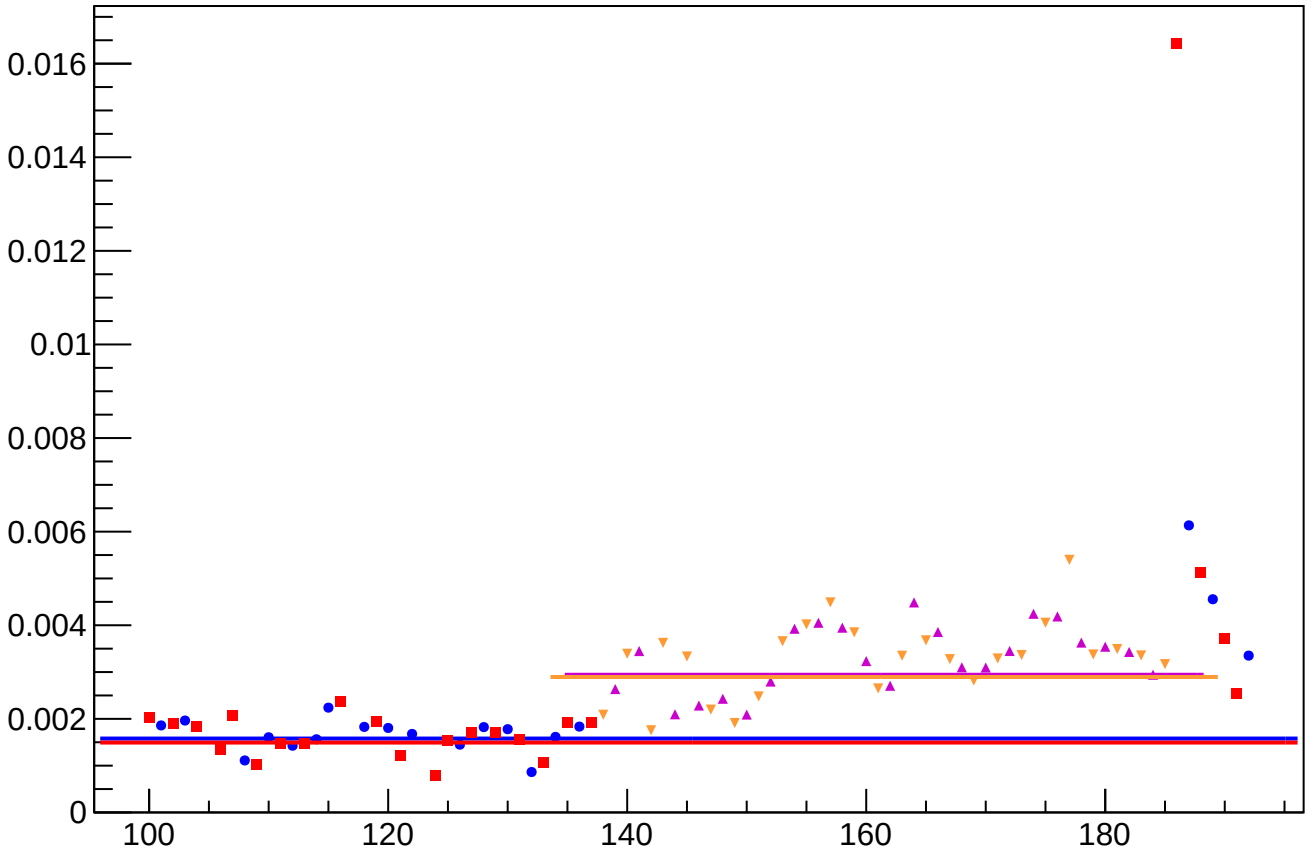
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 57.2/41

In: -0.000+/-0.000 χ^2/NDF:35.0/41

Out: 0.000+/-0.000 χ^2/NDF:61.1/47

All: 0.000+/-0.000 χ^2/NDF: 102.8/89



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: 0.001+/-0.000 χ^2/NDF: 2947056.9/22

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

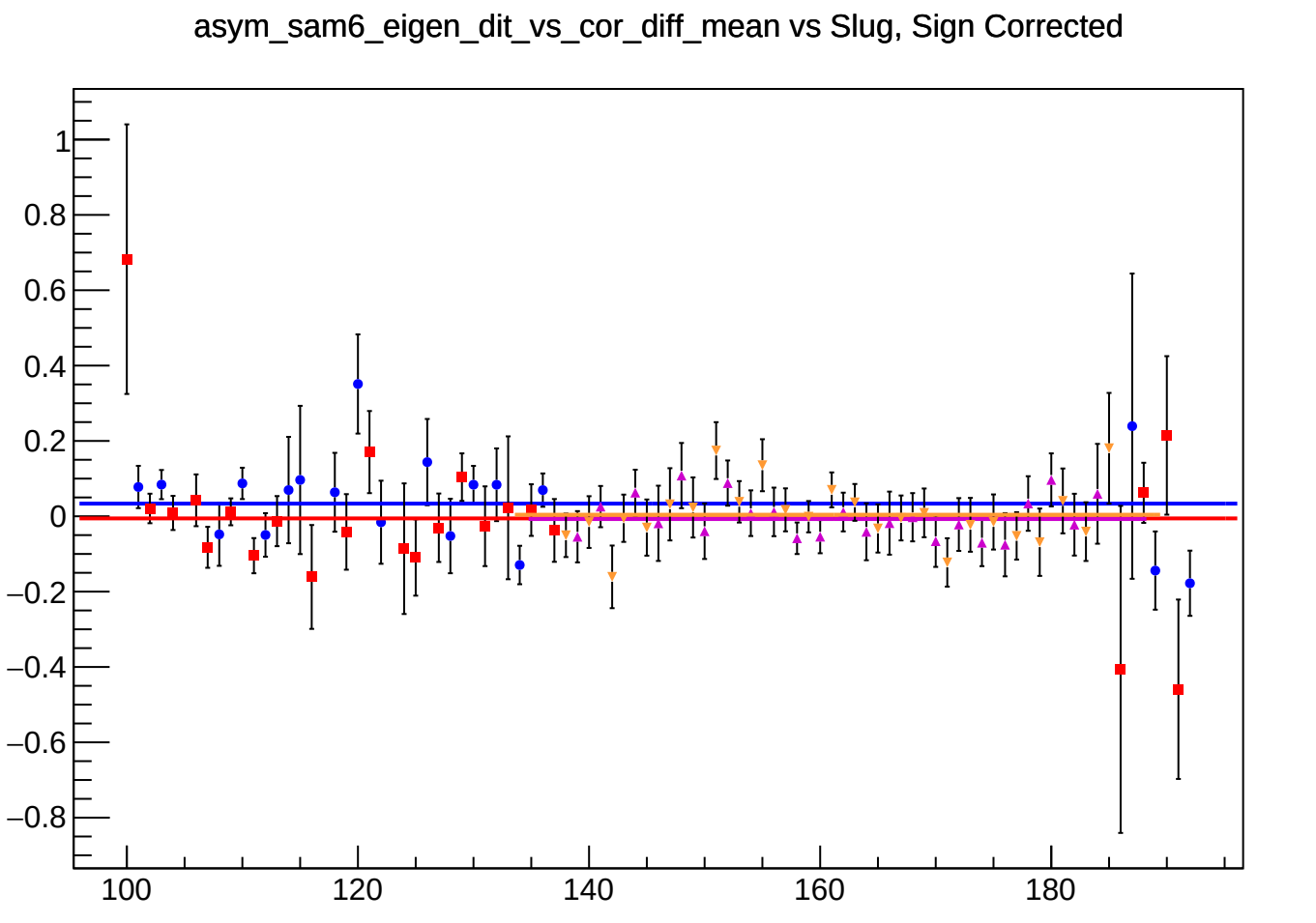
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 5038295.2/41

In: 0.002+/-0.000 χ^2/NDF:8438233.3/41

Out: 0.002+/-0.000 χ^2/NDF:10771706.2/47

All: 0.002+/-0.000 χ^2/NDF: 19252787.6/89



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: -0.006+/-0.015 χ^2/NDF: 26.5/22

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

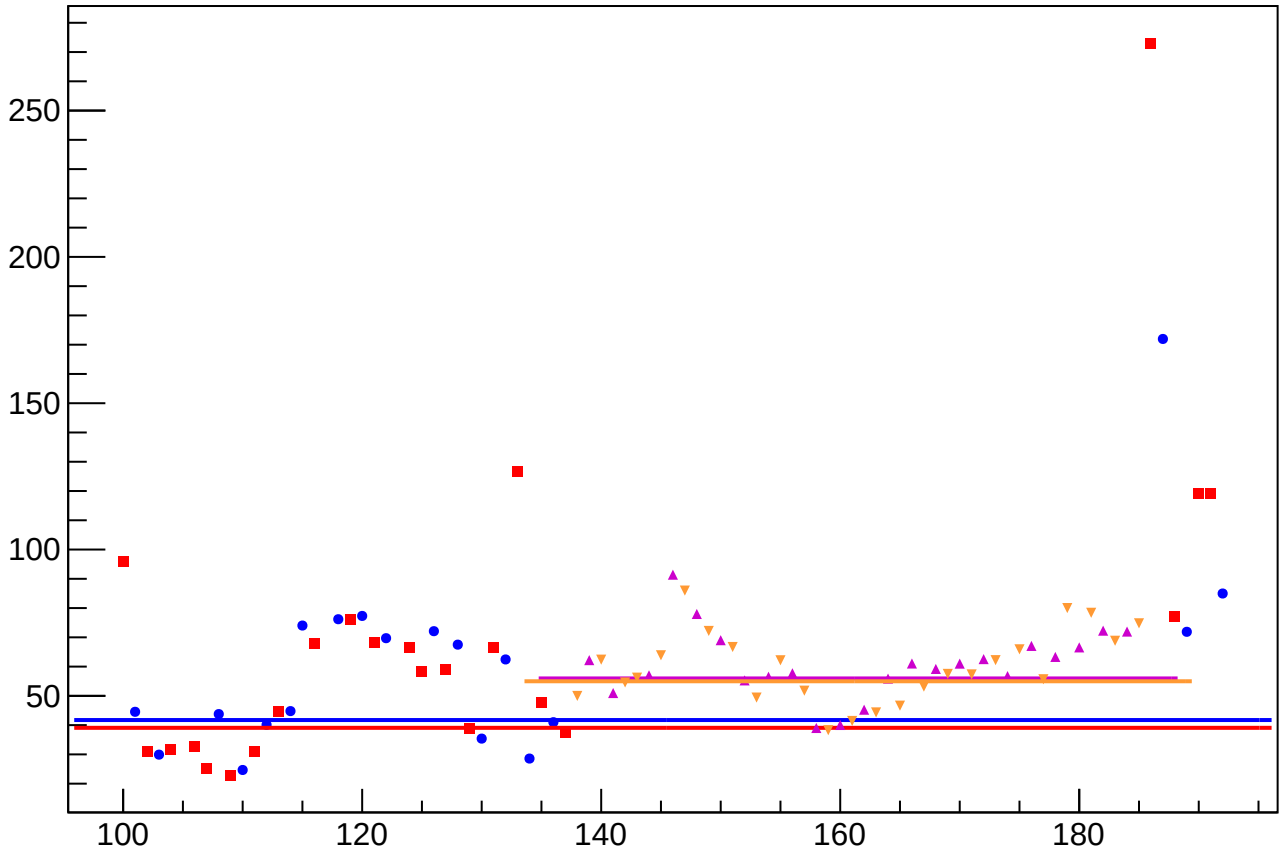
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.013+/-0.011 χ^2/NDF: 66.1/41

In: 0.010+/-0.010 χ^2/NDF:55.3/41

Out: -0.000+/-0.010 χ^2/NDF:51.5/47

All: 0.005+/-0.007 χ^2/NDF: 107.3/89



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: 39.077+/-0.010 χ^2/NDF: 3693746.9/22

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

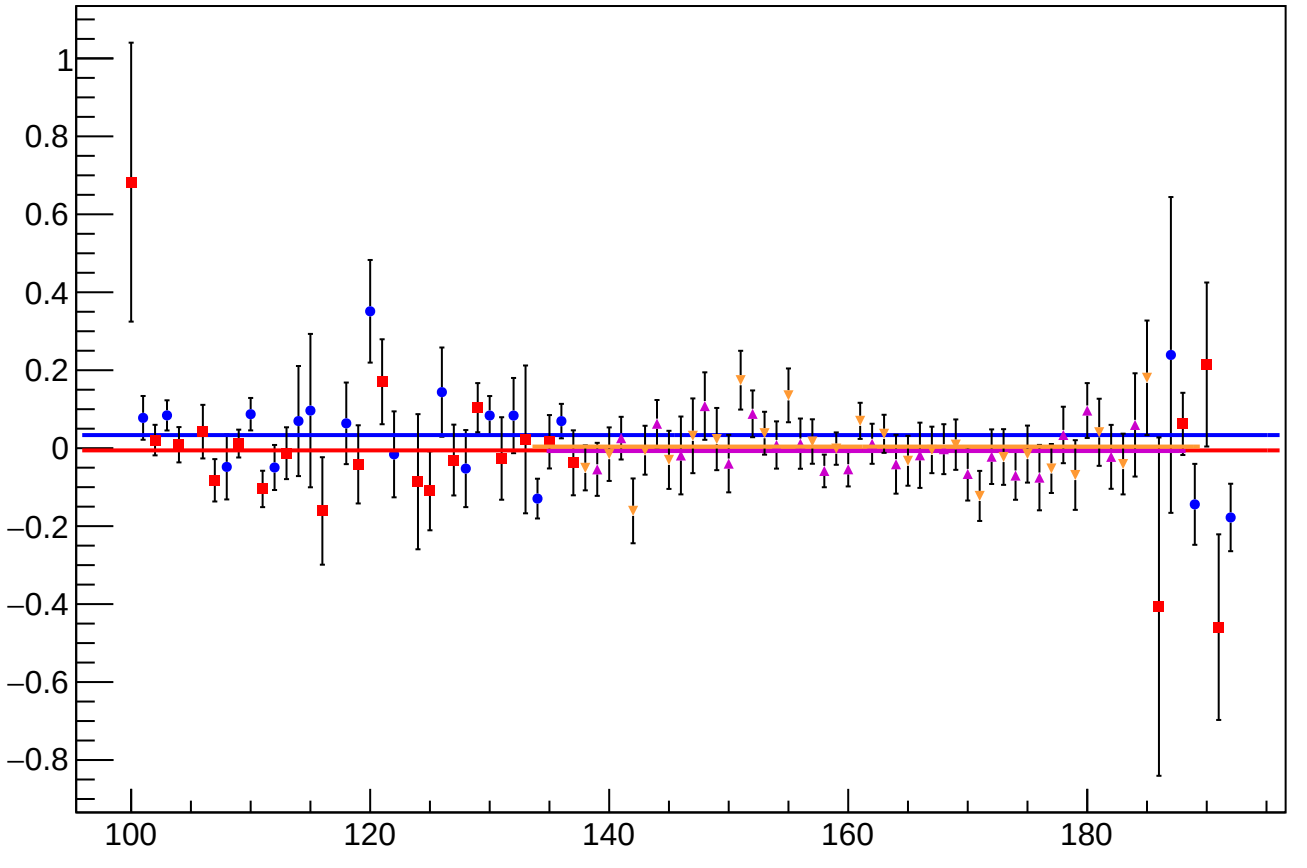
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 40.338+/-0.008 χ^2/NDF: 6210744.1/41

In: 49.842+/-0.007 χ^2/NDF:4843788.6/41

Out: 48.070+/-0.007 χ^2/NDF:6571746.7/47

All: 48.914+/-0.005 χ^2/NDF: 11447066.1/89



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: -0.006+/-0.015 χ^2/NDF: 26.5/22

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

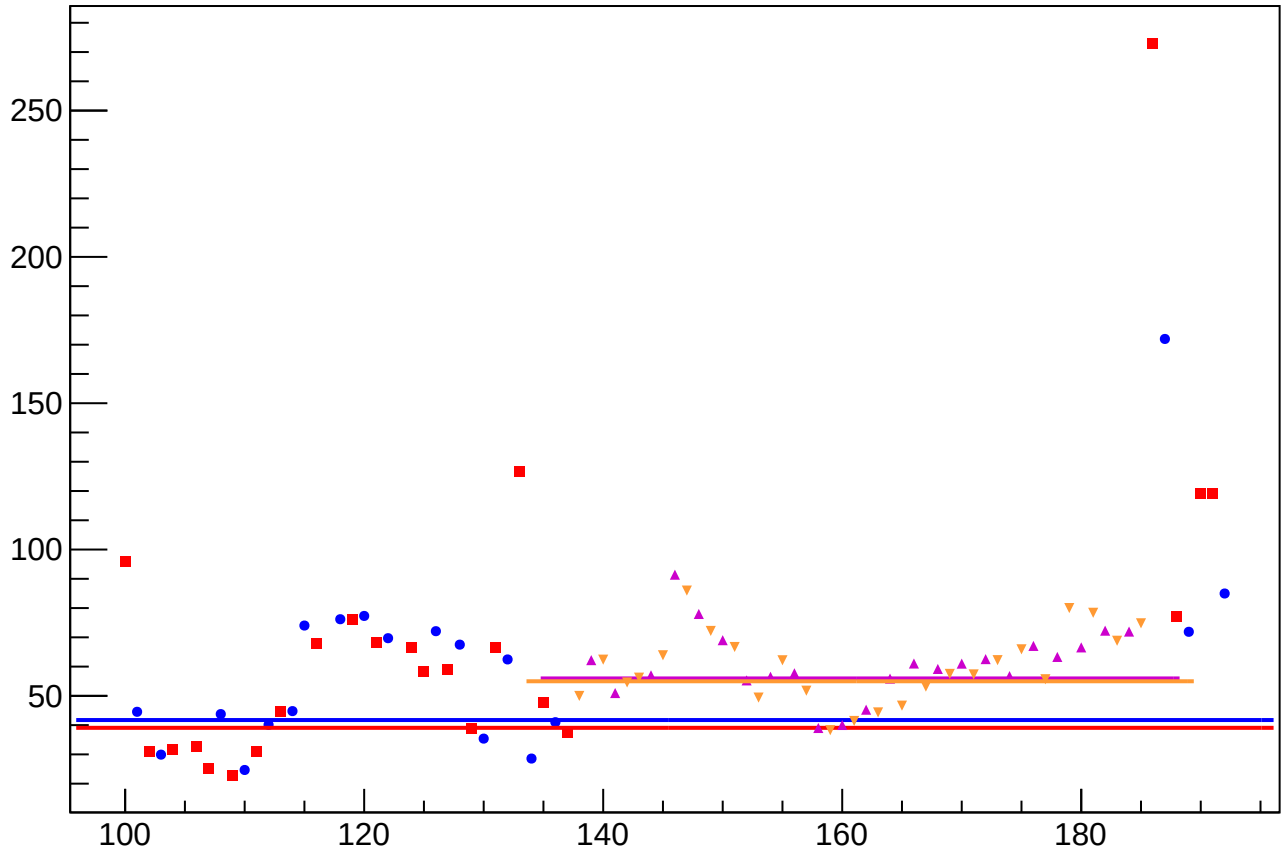
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.013+/-0.011 χ^2/NDF: 66.1/41

In: 0.010+/-0.010 χ^2/NDF:55.3/41

Out: -0.000+/-0.010 χ^2/NDF:51.5/47

All: 0.005+/-0.007 χ^2/NDF: 107.3/89



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: 39.077+/-0.010 χ^2/NDF: 3693746.9/22

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

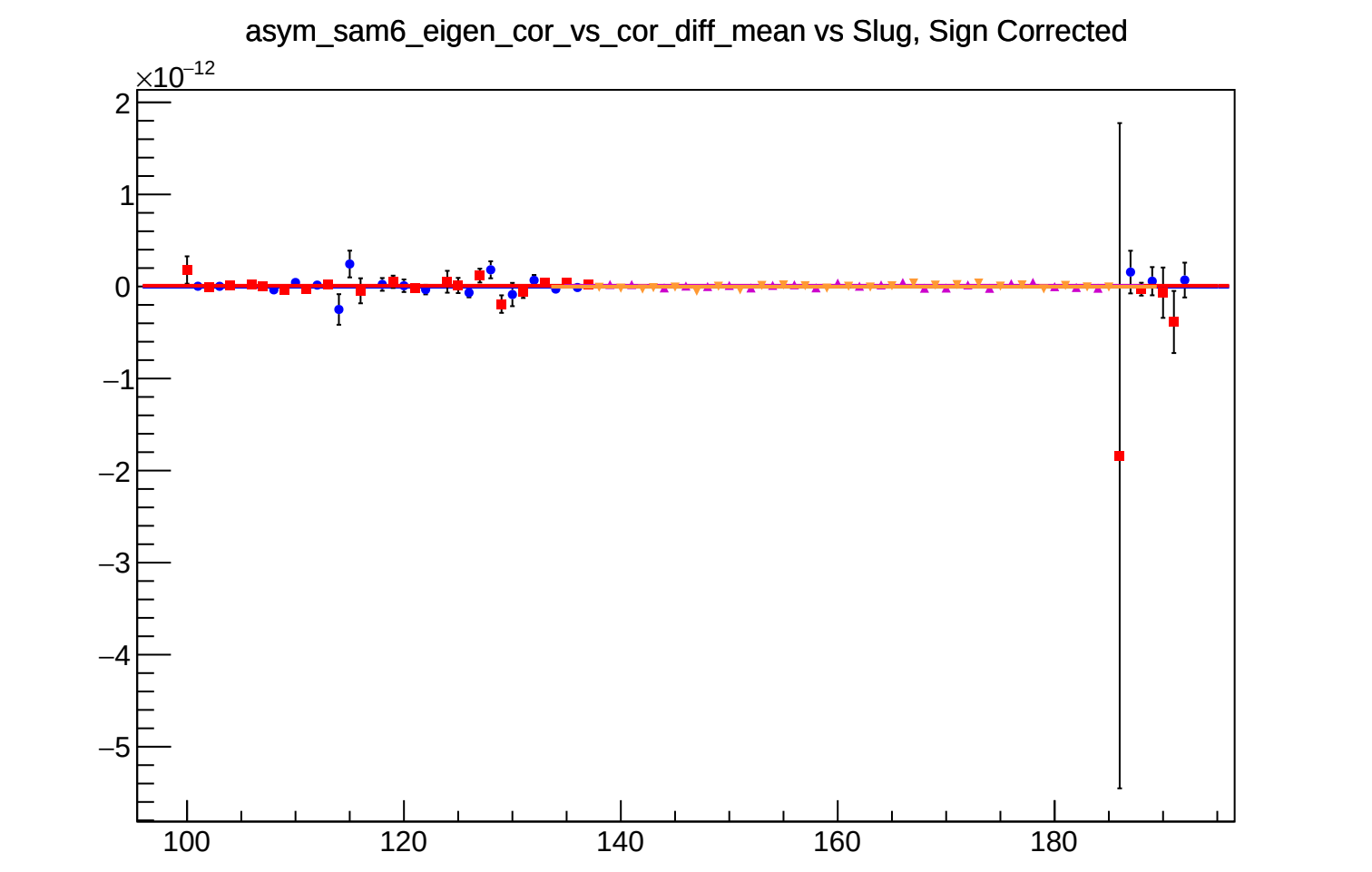
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 40.338+/-0.008 χ^2/NDF: 6210744.1/41

In: 49.842+/-0.007 χ^2/NDF:4843788.6/41

Out: 48.070+/-0.007 χ^2/NDF:6571746.7/47

All: 48.914+/-0.005 χ^2/NDF: 11447066.1/89



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/18

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

Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/22

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

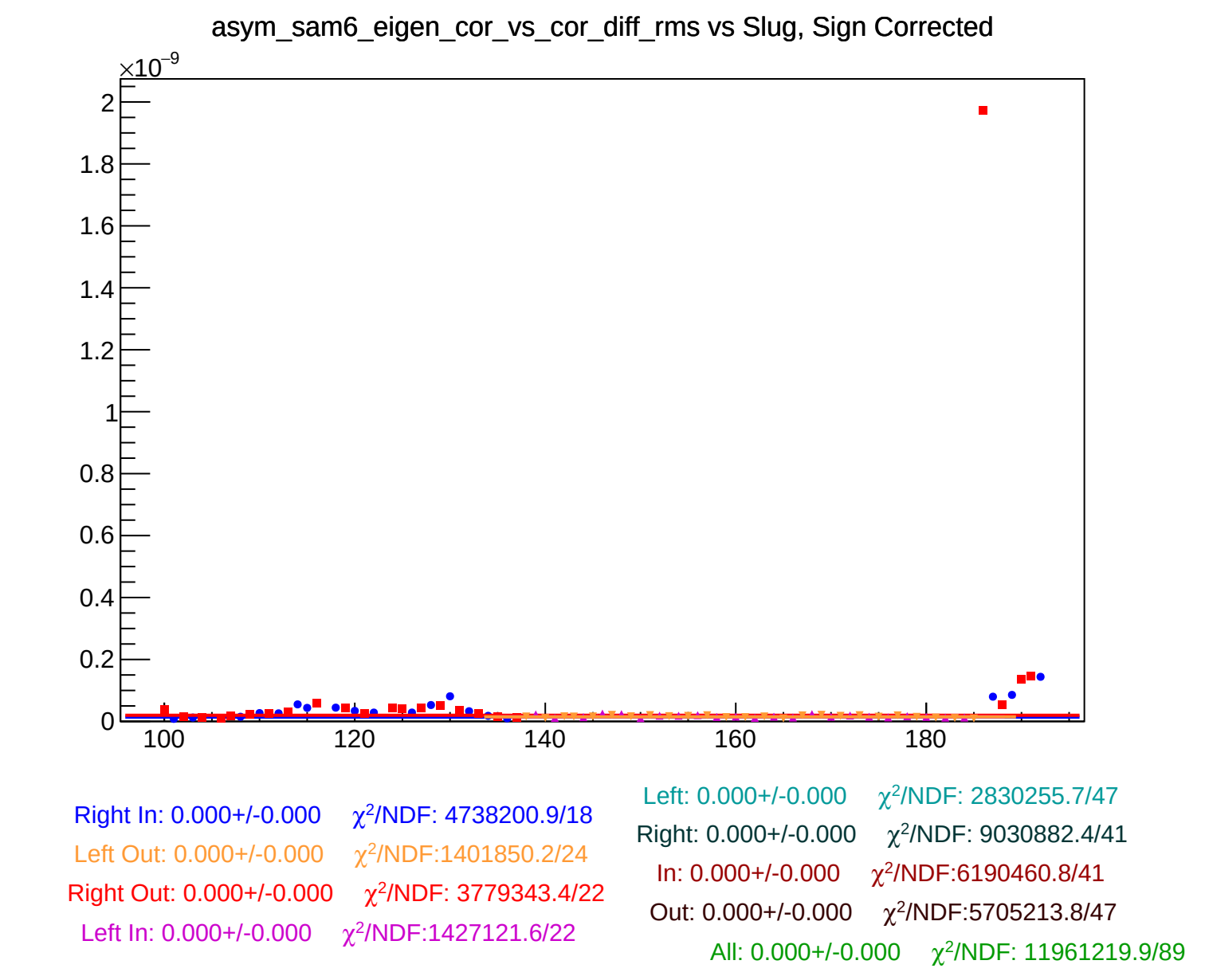
Left: 0.000+/-0.000 χ^2/NDF: 43.6/47

Right: 0.000+/-0.000 χ^2/NDF: 36.1/41

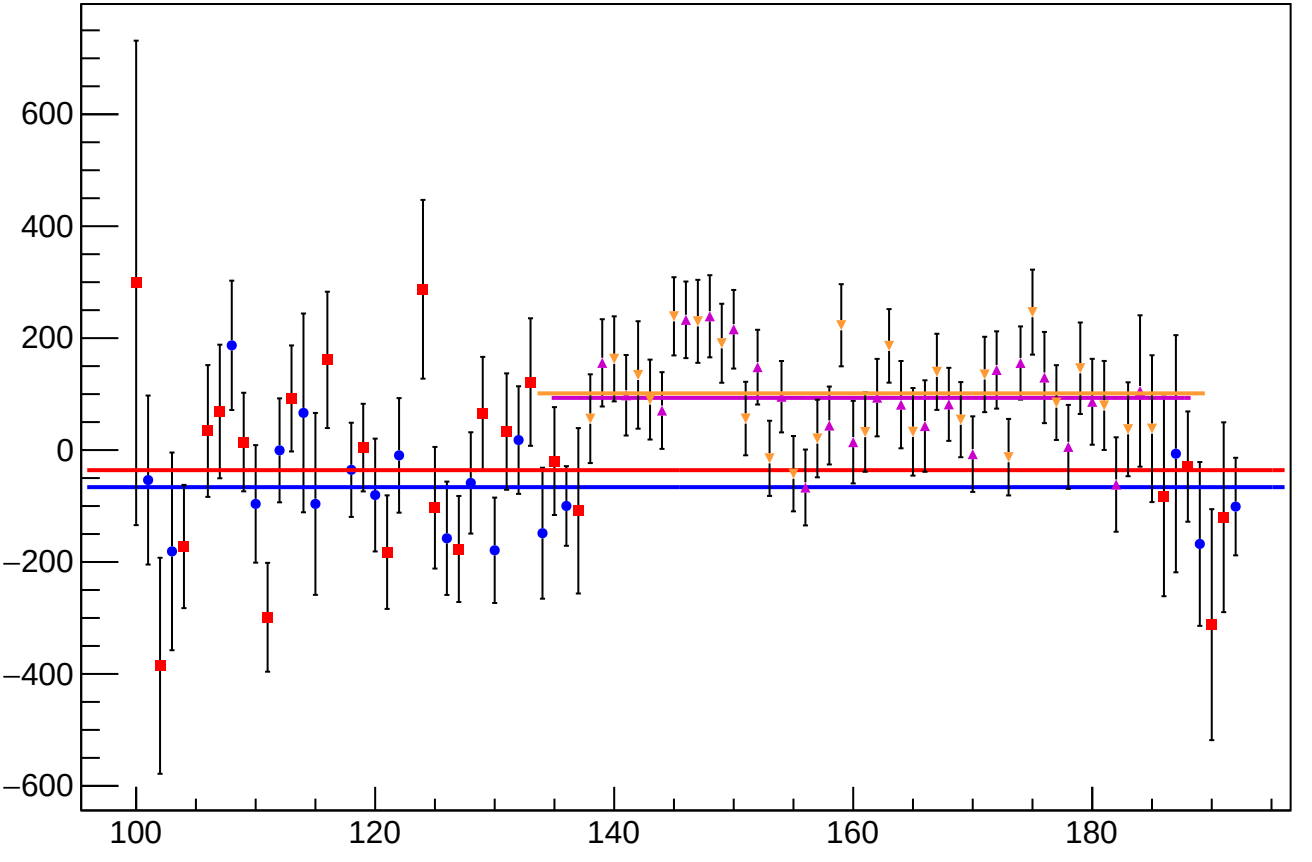
In: 0.000+/-0.000 χ^2/NDF:40.7/41

Out: -0.000+/-0.000 χ^2/NDF:38.2/47

All: 0.000+/-0.000 χ^2/NDF: 79.7/89


asym_sam6_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: 4738200.9/18
Left Out: 0.000+/-0.000 χ²/NDF:1401850.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 3779343.4/22
Left In: 0.000+/-0.000 χ²/NDF:1427121.6/22
Left: 0.000+/-0.000 χ²/NDF: 2830255.7/47
Right: 0.000+/-0.000 χ²/NDF: 9030882.4/41
In: 0.000+/-0.000 χ²/NDF:6190460.8/41
Out: 0.000+/-0.000 χ²/NDF:5705213.8/47
All: 0.000+/-0.000 χ²/NDF: 11961219.9/89

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: -35.897+/-23.707 χ^2/NDF: 33.4/22

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

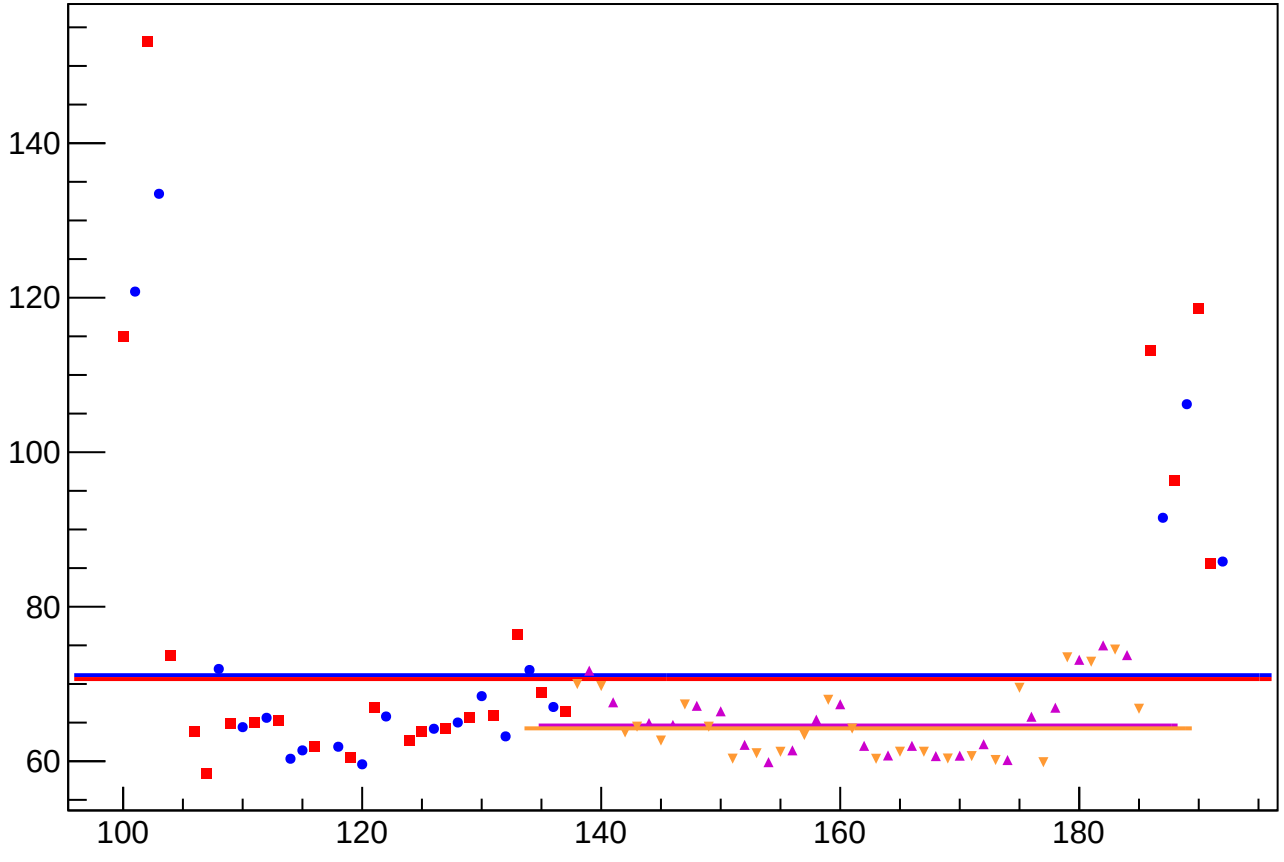
Right: -50.613+/-17.018 χ^2/NDF: 45.5/41

In: 49.027+/-12.869 χ^2/NDF:70.9/41

Out: 63.435+/-12.457 χ^2/NDF:91.5/47

All: 56.465+/-8.951 χ^2/NDF: 163.1/89

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: 70.637+/-0.017 χ^2/NDF: 895551.6/22

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

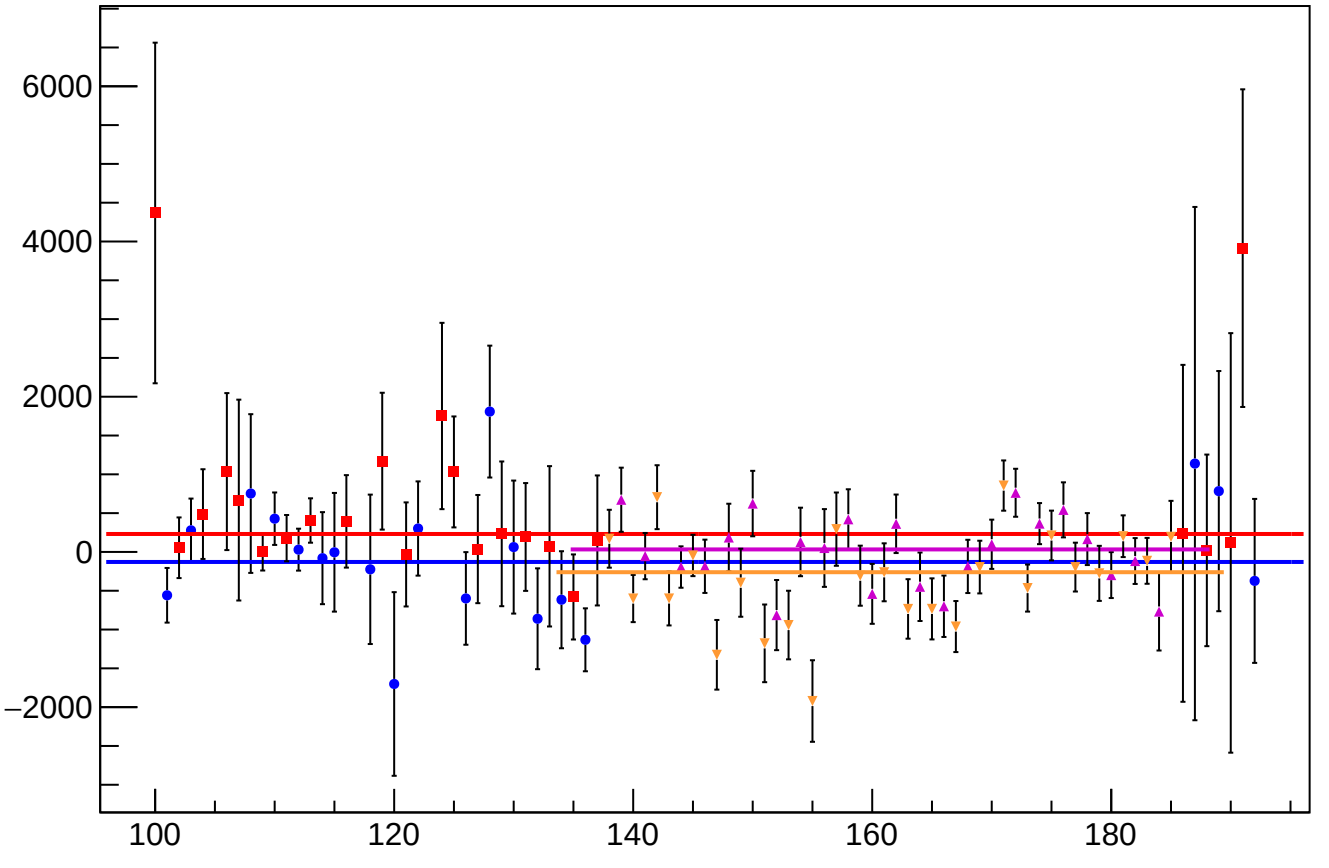
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 70.879+/-0.012 χ^2/NDF: 1677911.1/41

In: 66.427+/-0.009 χ^2/NDF:1031853.7/41

Out: 66.018+/-0.009 χ^2/NDF:1178137.2/47

All: 66.216+/-0.006 χ^2/NDF: 2211037.6/89



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: 231.406+/-116.779 χ^2/NDF: 15.8/22

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

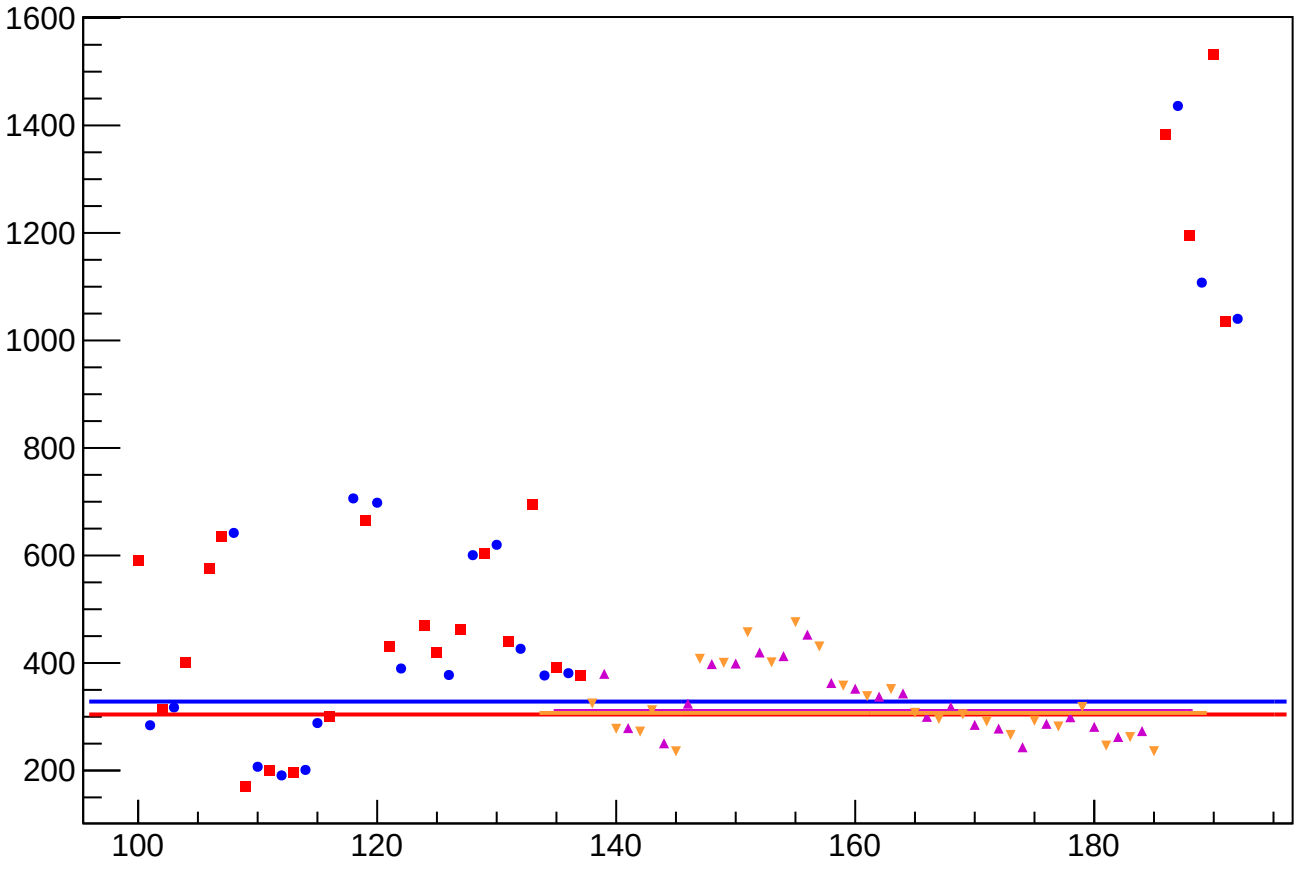
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 62.677+/-85.182 χ^2/NDF: 43.3/41

In: -9.614+/-63.511 χ^2/NDF:56.0/41

Out: -127.464+/-60.834 χ^2/NDF:87.6/47

All: -71.075+/-43.932 χ^2/NDF: 145.4/89



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: 304.237+/-0.083 χ^2/NDF: 4954140.4/22

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

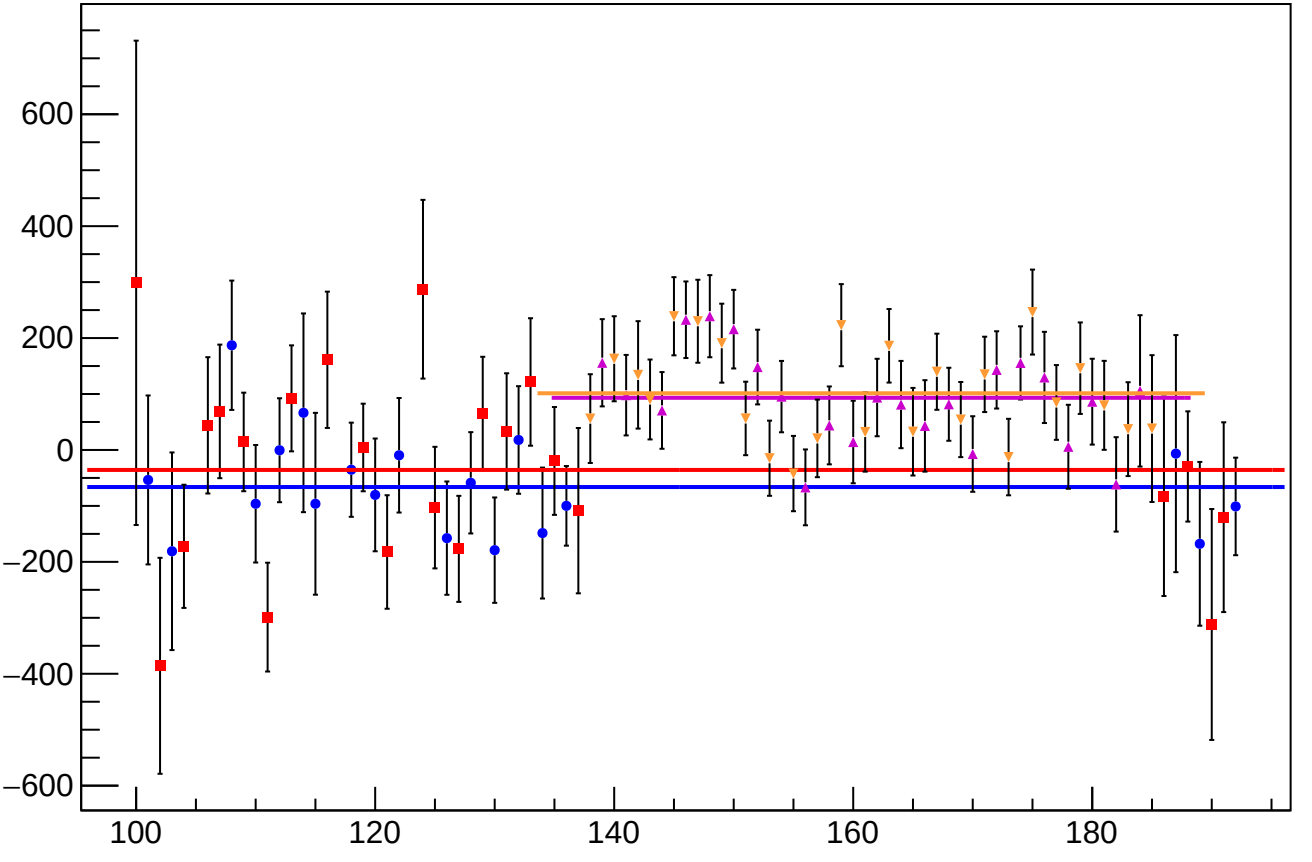
Right: 315.480+/-0.060 χ^2/NDF: 8793626.1/41

In: 315.267+/-0.045 χ^2/NDF:4908792.9/41

Out: 306.355+/-0.043 χ^2/NDF:6275193.9/47

All: 310.619+/-0.031 χ^2/NDF: 11204525.5/89

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: -35.708+/-23.739 χ^2/NDF: 33.5/22

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

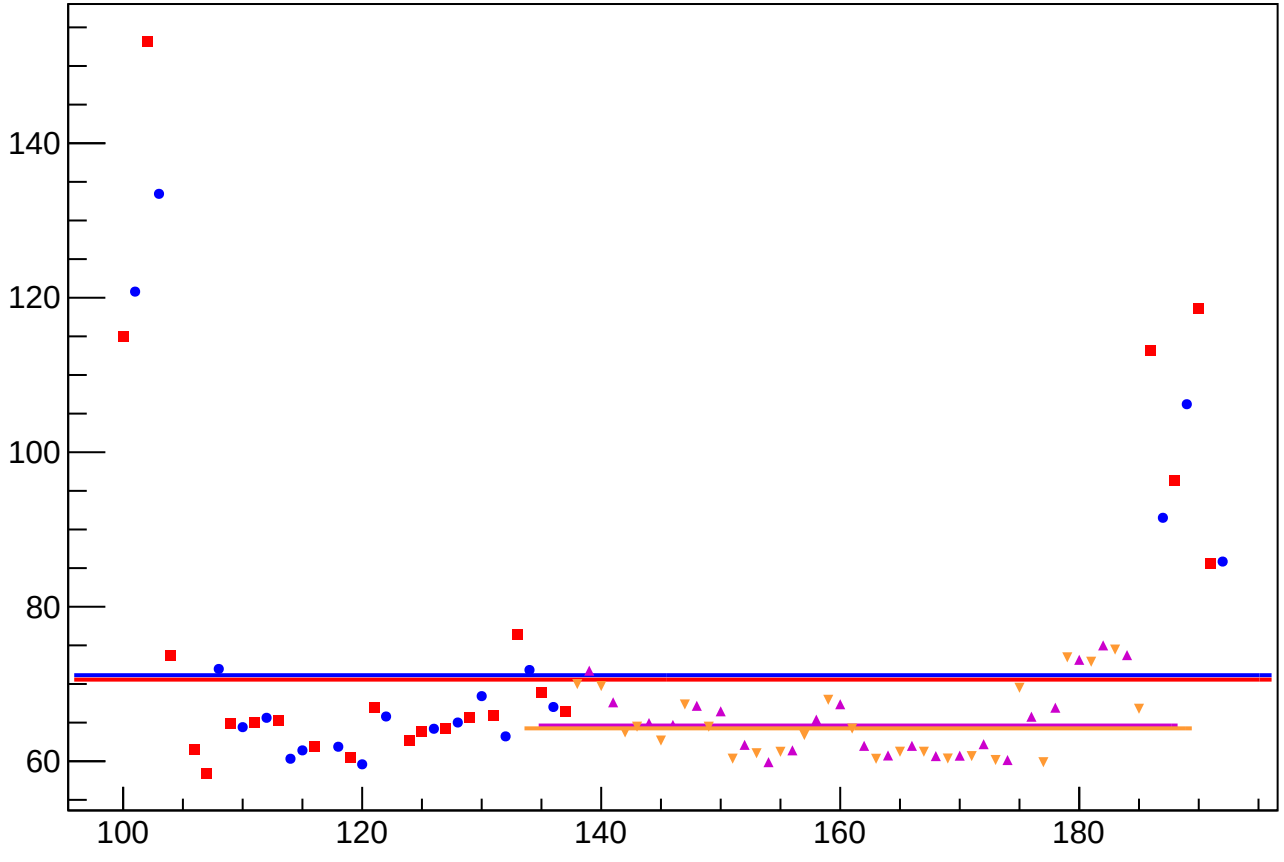
Right: -50.537+/-17.029 χ^2/NDF: 45.6/41

In: 49.026+/-12.869 χ^2/NDF:70.9/41

Out: 63.560+/-12.462 χ^2/NDF:91.5/47

All: 56.526+/-8.952 χ^2/NDF: 163.1/89

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: 70.565+/-0.017 χ^2/NDF: 900159.7/22

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

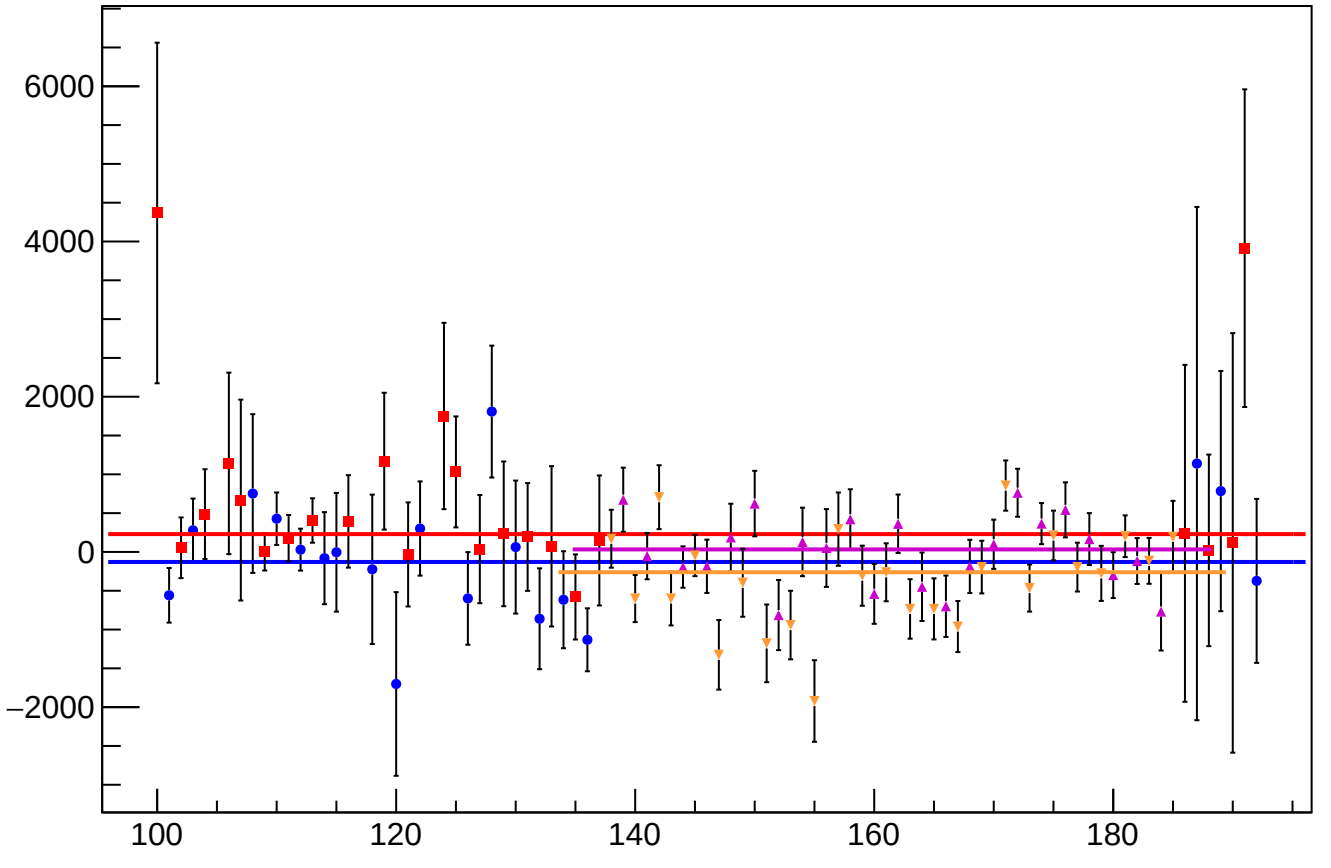
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 70.843+/-0.012 χ^2/NDF: 1682651.5/41

In: 66.427+/-0.009 χ^2/NDF:1031854.0/41

Out: 65.994+/-0.009 χ^2/NDF:1180202.6/47

All: 66.204+/-0.006 χ^2/NDF: 2213224.6/89



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: 229.761+/-116.981 χ^2/NDF: 15.8/22

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

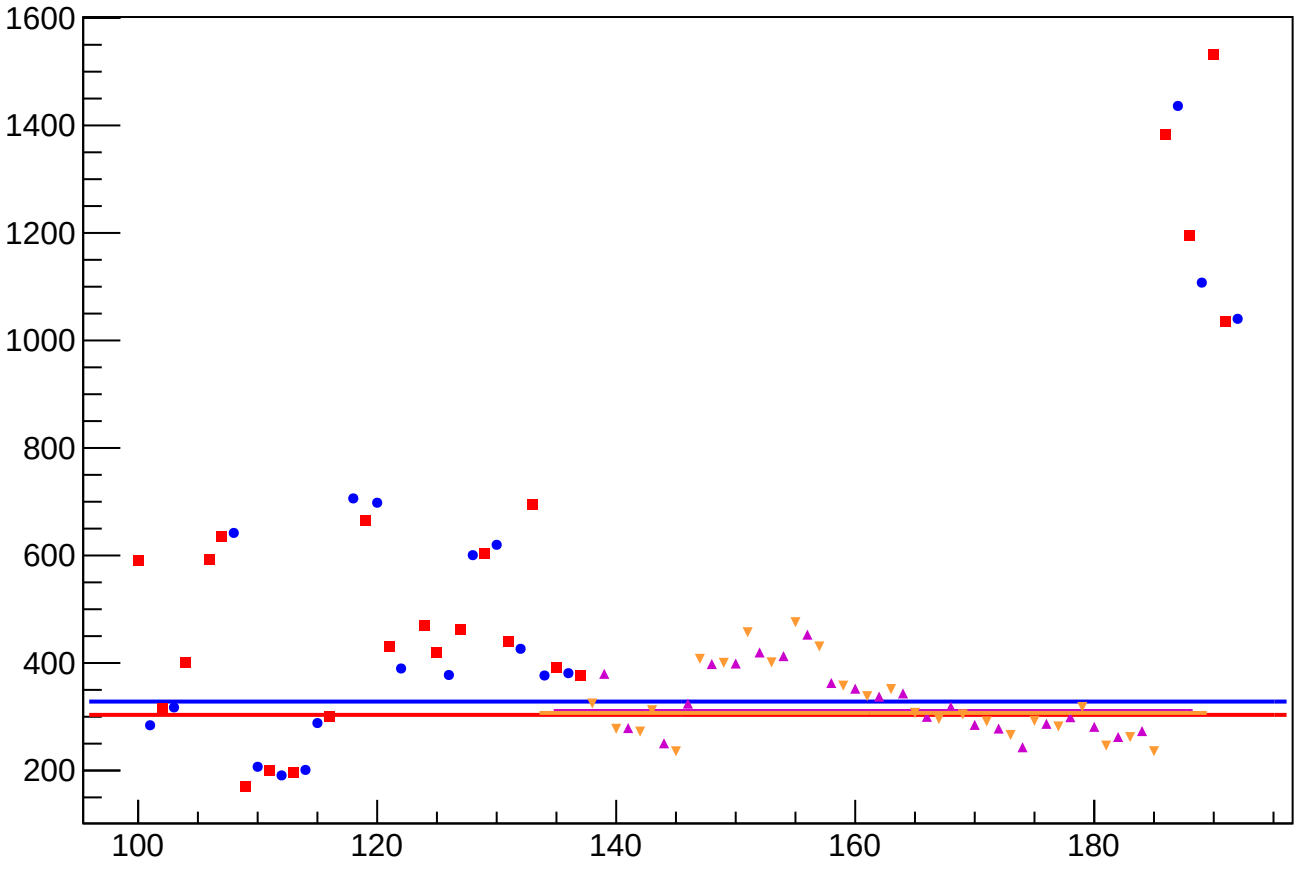
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 61.496+/-85.260 χ^2/NDF: 43.2/41

In: -9.615+/-63.512 χ^2/NDF:56.0/41

Out: -128.246+/-60.863 χ^2/NDF:87.4/47

All: -71.456+/-43.943 χ^2/NDF: 145.3/89



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: 303.514+/-0.083 χ^2/NDF: 4932547.4/22

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

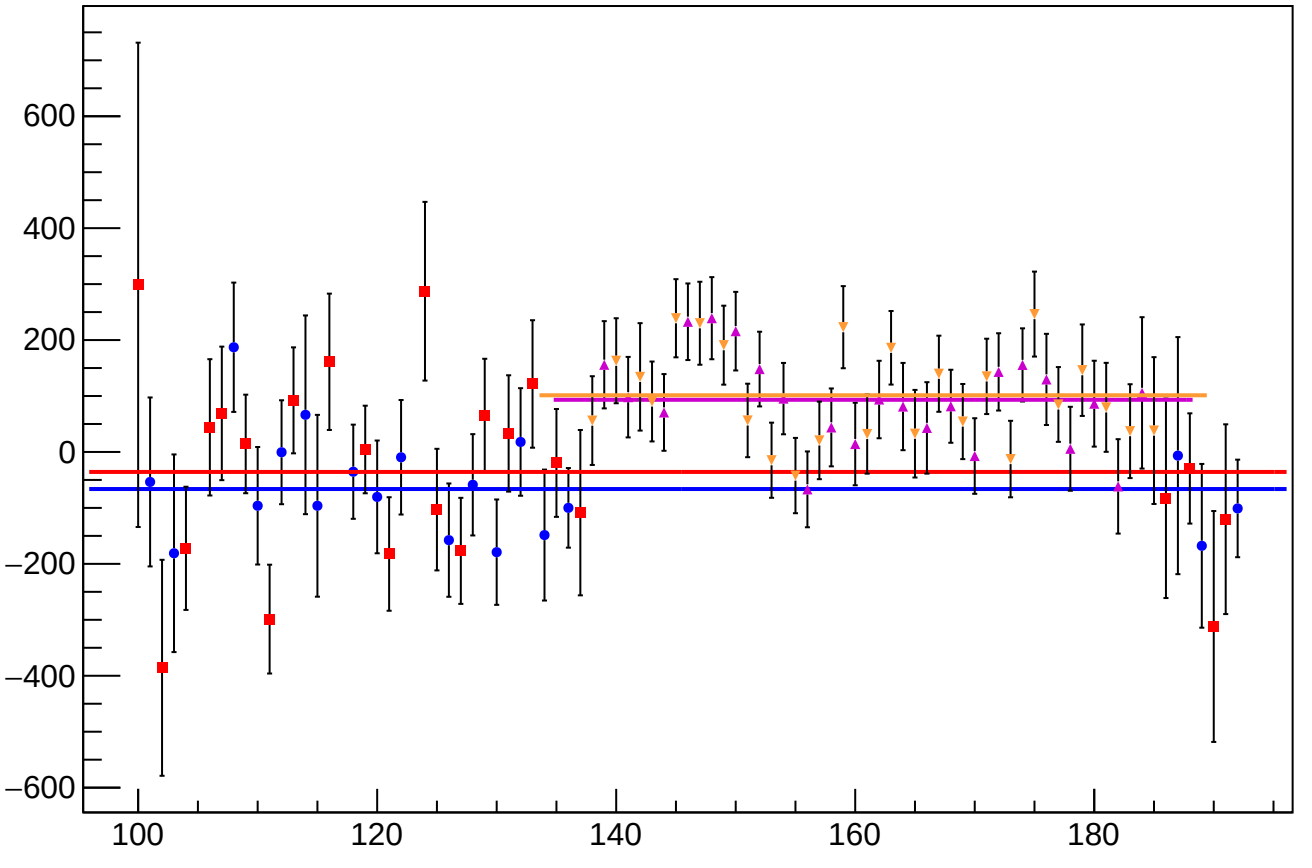
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 315.117+/-0.060 χ^2/NDF: 8774384.7/41

In: 315.267+/-0.045 χ^2/NDF:4908795.9/41

Out: 306.161+/-0.043 χ^2/NDF:6254098.3/47

All: 310.520+/-0.031 χ^2/NDF: 11184328.9/89



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: -35.708+/-23.739 χ^2/NDF: 33.5/22

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

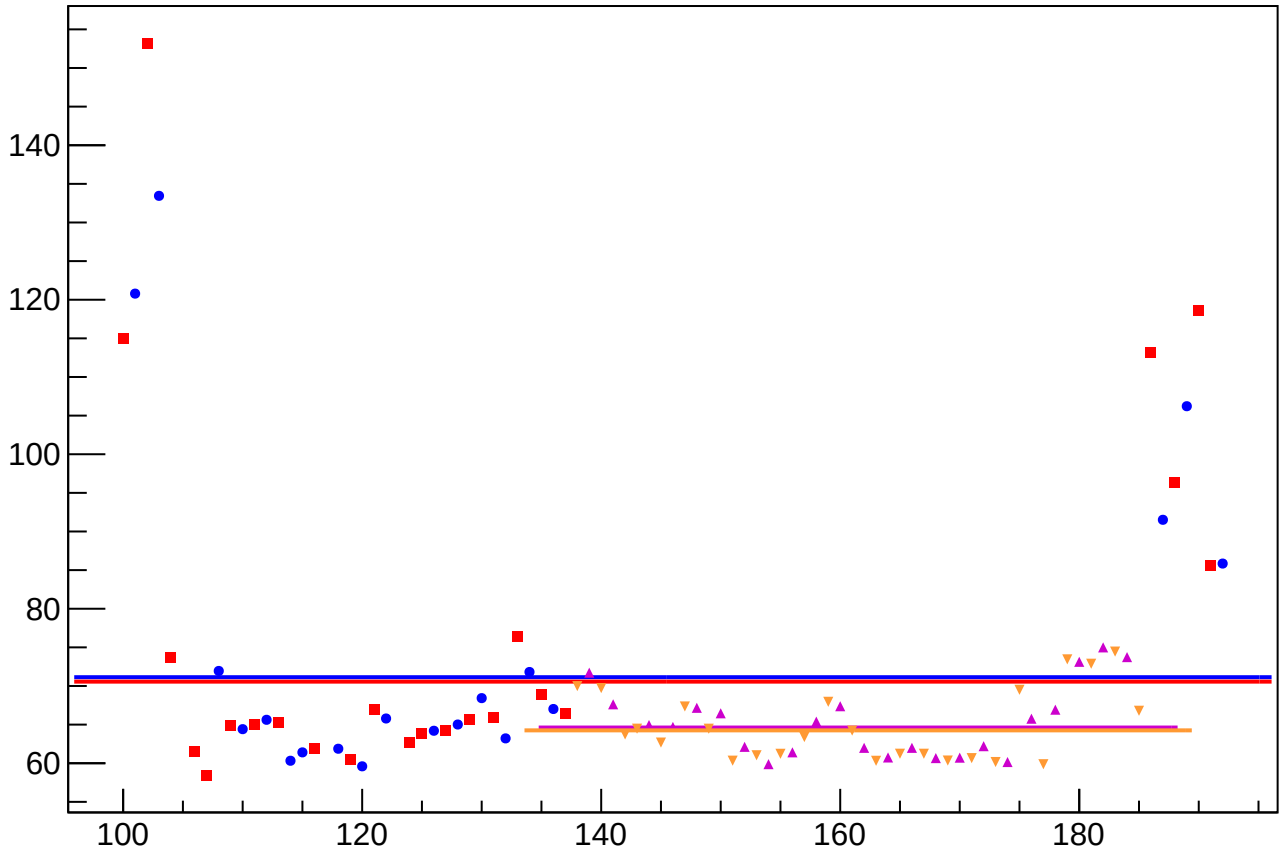
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -50.537+/-17.029 χ^2/NDF: 45.6/41

In: 49.026+/-12.869 χ^2/NDF:70.9/41

Out: 63.560+/-12.462 χ^2/NDF:91.5/47

All: 56.526+/-8.952 χ^2/NDF: 163.1/89



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: 70.565+/-0.017 χ^2/NDF: 900159.7/22

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

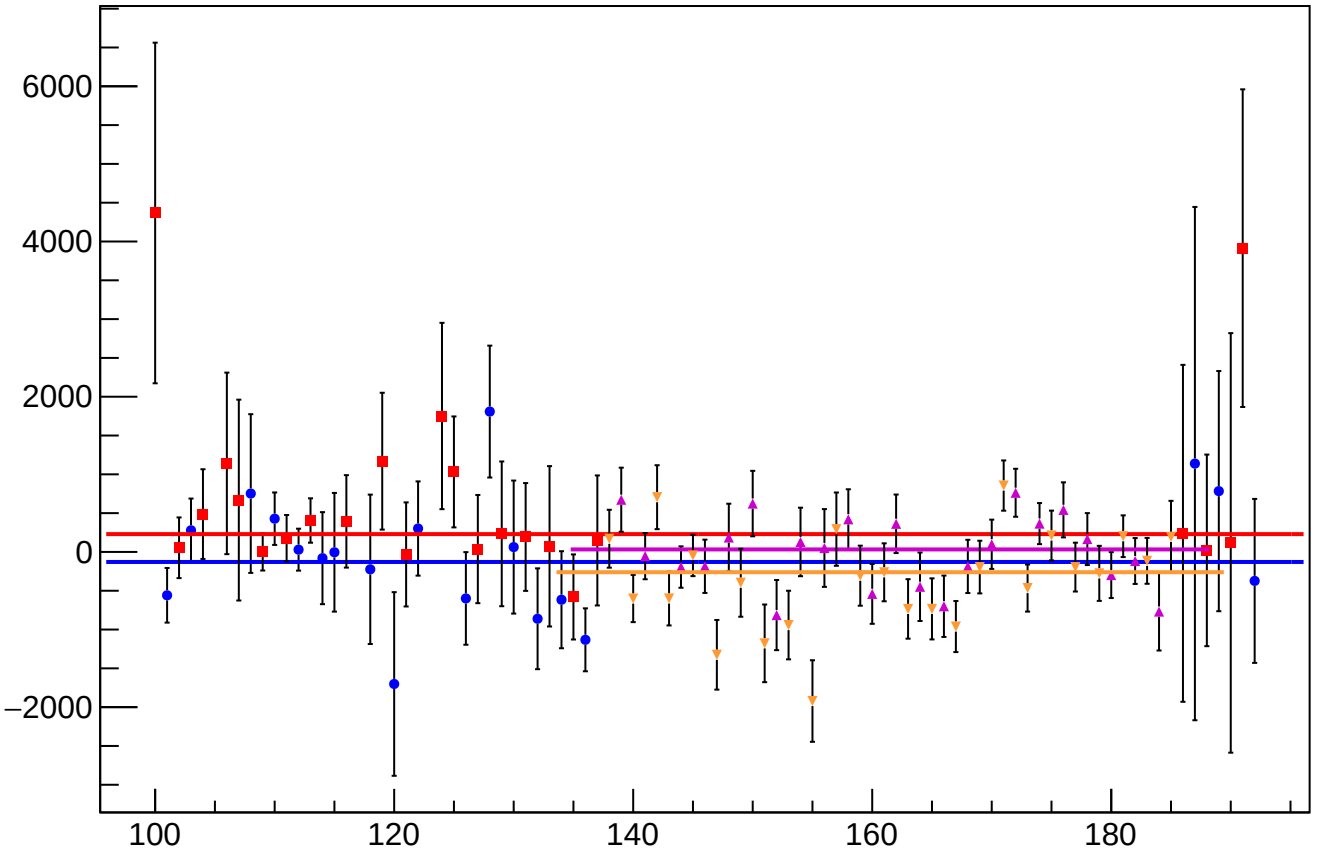
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 70.843+/-0.012 χ^2/NDF: 1682651.5/41

In: 66.427+/-0.009 χ^2/NDF:1031854.0/41

Out: 65.994+/-0.009 χ^2/NDF:1180202.6/47

All: 66.204+/-0.006 χ^2/NDF: 2213224.6/89



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: 229.761+/-116.981 χ^2/NDF: 15.8/22

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

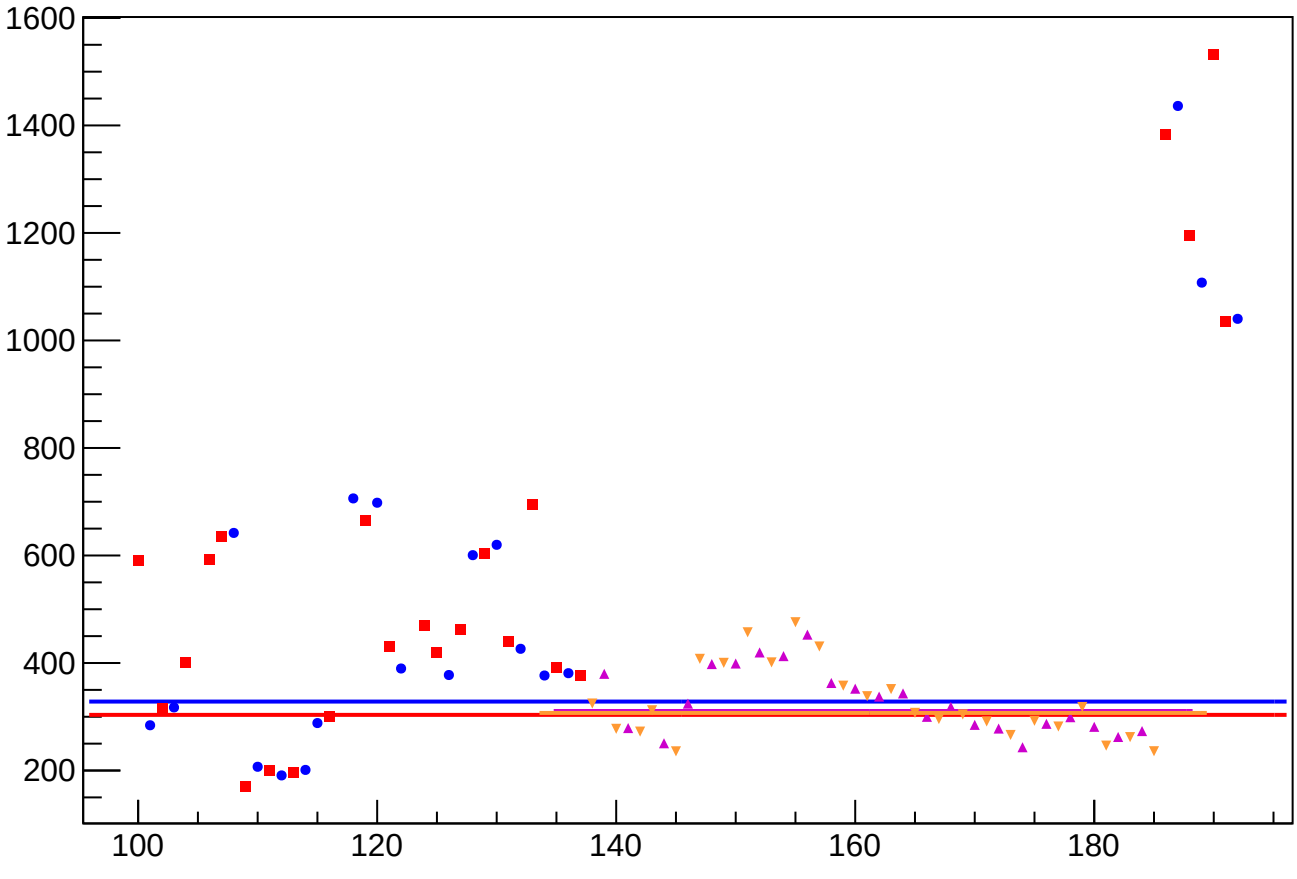
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 61.496+/-85.260 χ^2/NDF: 43.2/41

In: -9.615+/-63.512 χ^2/NDF:56.0/41

Out: -128.246+/-60.863 χ^2/NDF:87.4/47

All: -71.456+/-43.943 χ^2/NDF: 145.3/89



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: 303.514+/-0.083 χ^2/NDF: 4932547.4/22

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

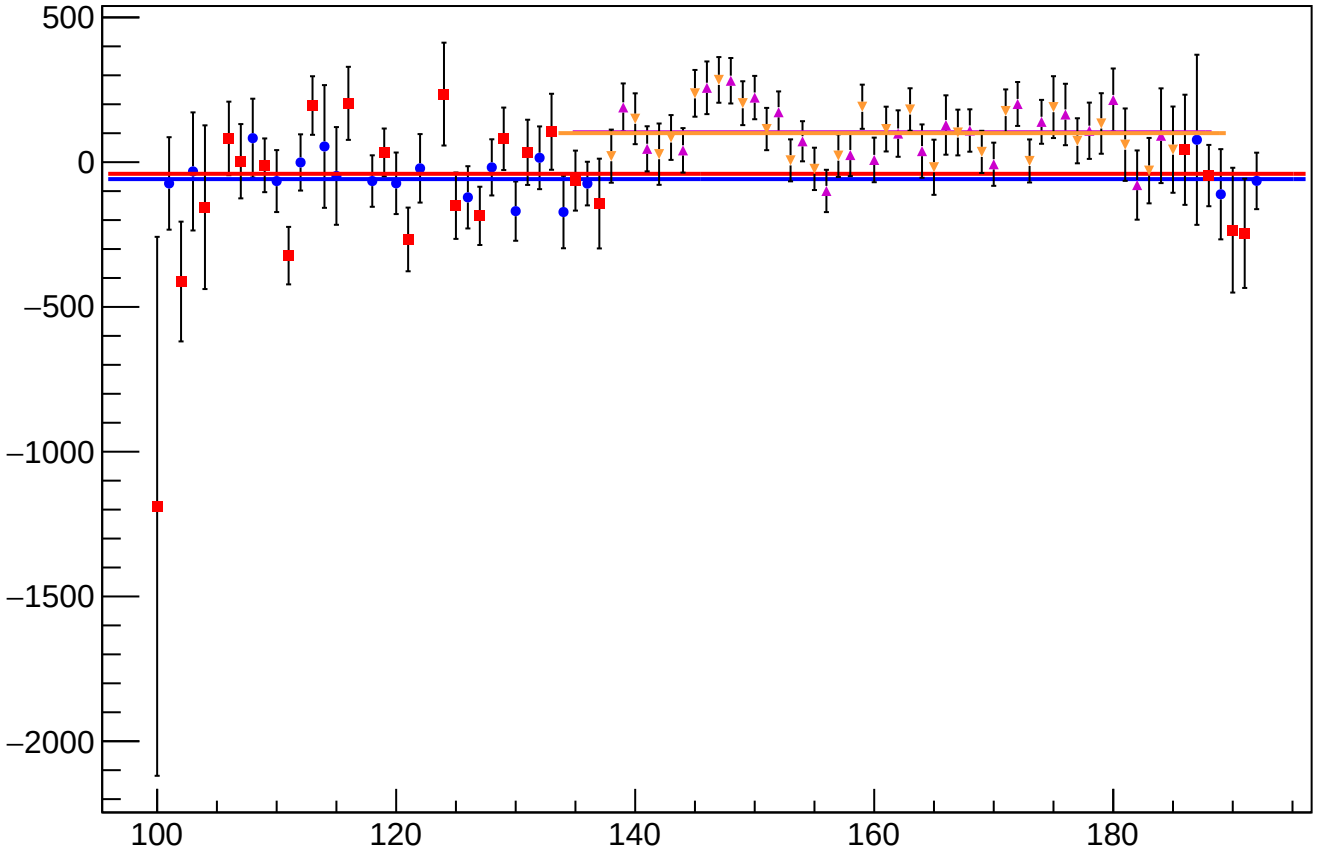
Right: 315.117+/-0.060 χ^2/NDF: 8774384.7/41

In: 315.267+/-0.045 χ^2/NDF:4908795.9/41

Out: 306.161+/-0.043 χ^2/NDF:6254098.3/47

All: 310.520+/-0.031 χ^2/NDF: 11184328.9/89

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: -40.197+/-25.832 χ^2/NDF: 39.4/22

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

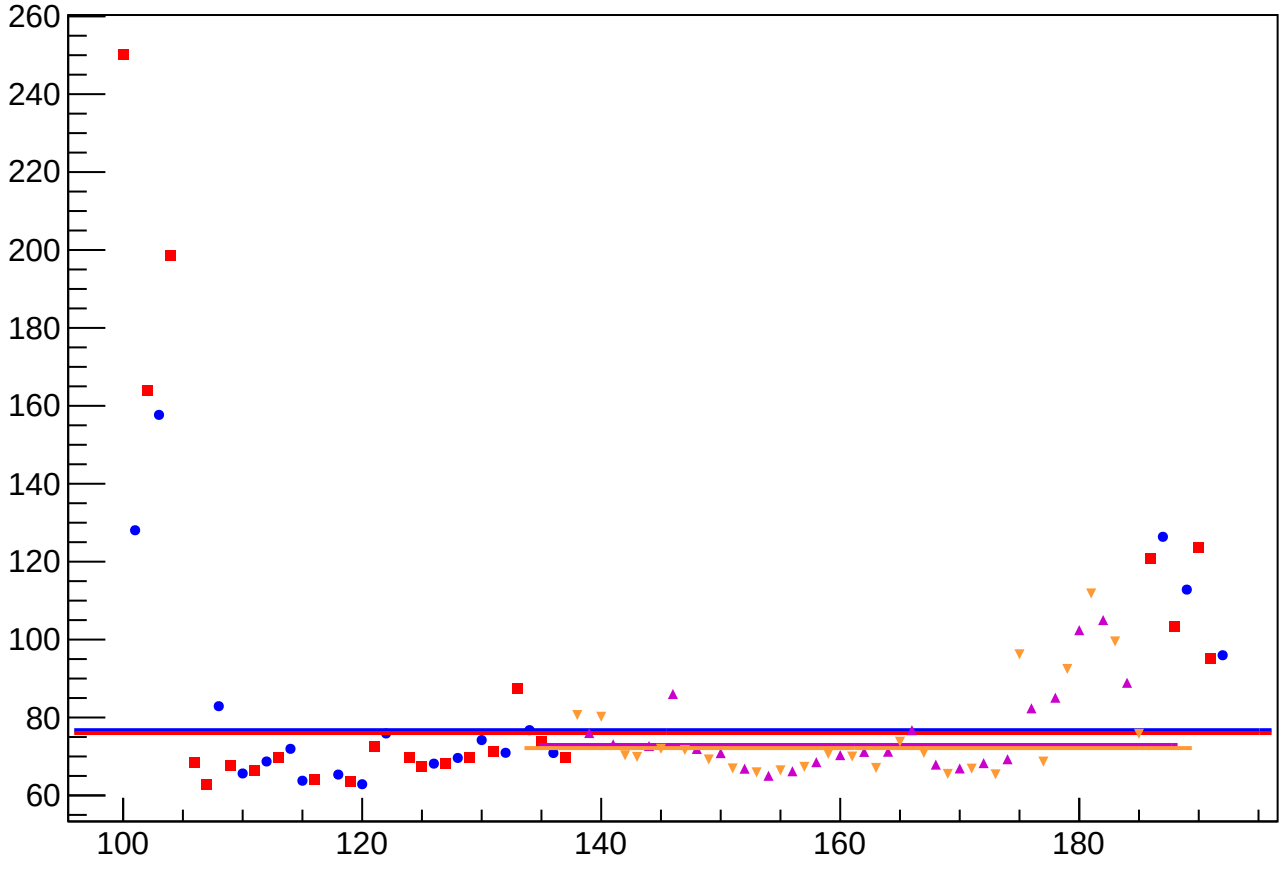
Right: -49.123+/-18.493 χ^2/NDF: 44.8/41

In: 55.110+/-14.461 χ^2/NDF:64.2/41

Out: 59.133+/-13.980 χ^2/NDF:88.0/47

All: 57.189+/-10.051 χ^2/NDF: 152.2/89

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: 76.017+/-0.018 χ^2/NDF: 1363919.6/22

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

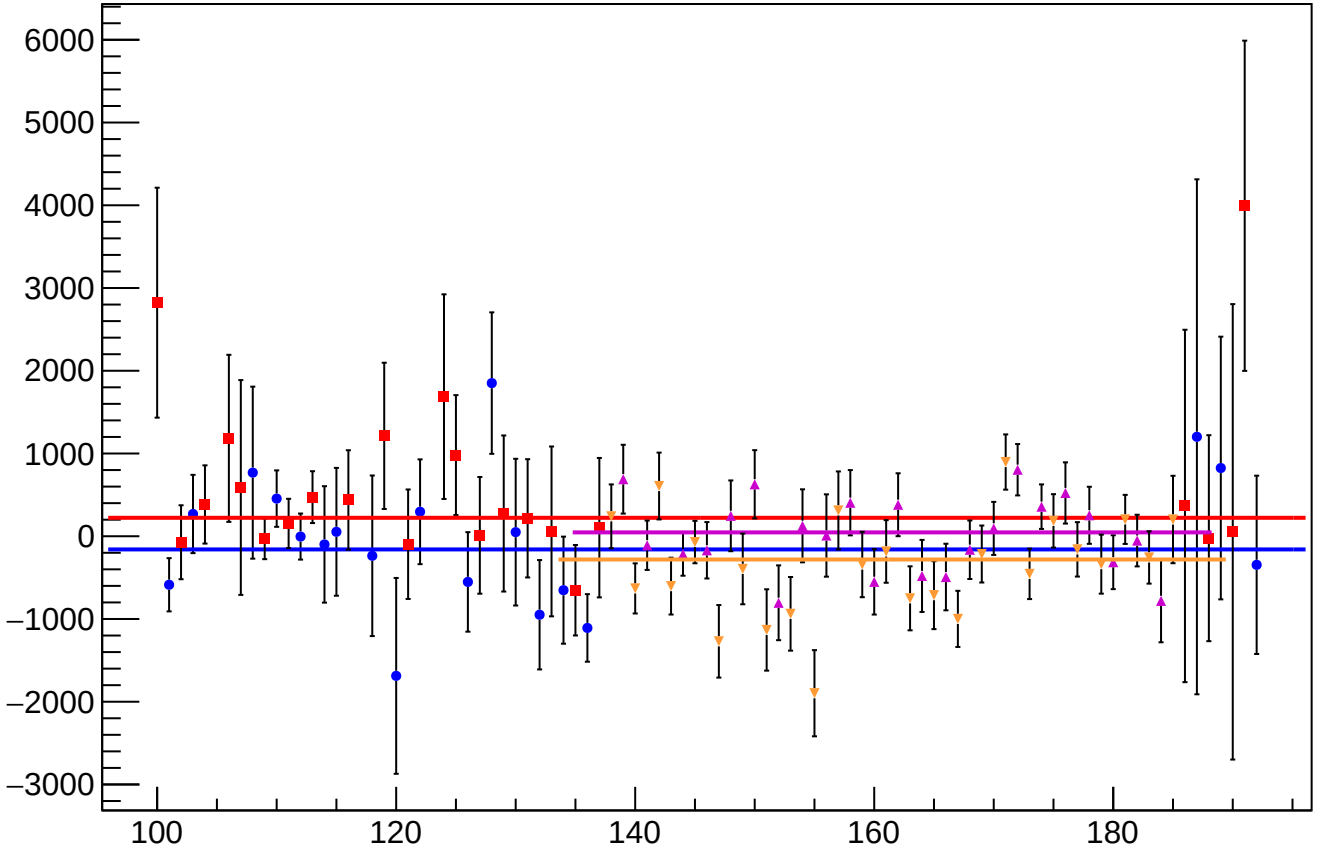
Right: 76.370+/-0.013 χ^2/NDF: 2290104.1/41

In: 74.079+/-0.010 χ^2/NDF:1463236.1/41

Out: 73.282+/-0.010 χ^2/NDF:2037585.7/47

All: 73.667+/-0.007 χ^2/NDF: 3503958.6/89

asym_sam7_dit_correction_mean vs Slug, Sign Corrected



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: 222.852+/-119.054 χ^2/NDF: 17.2/22

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

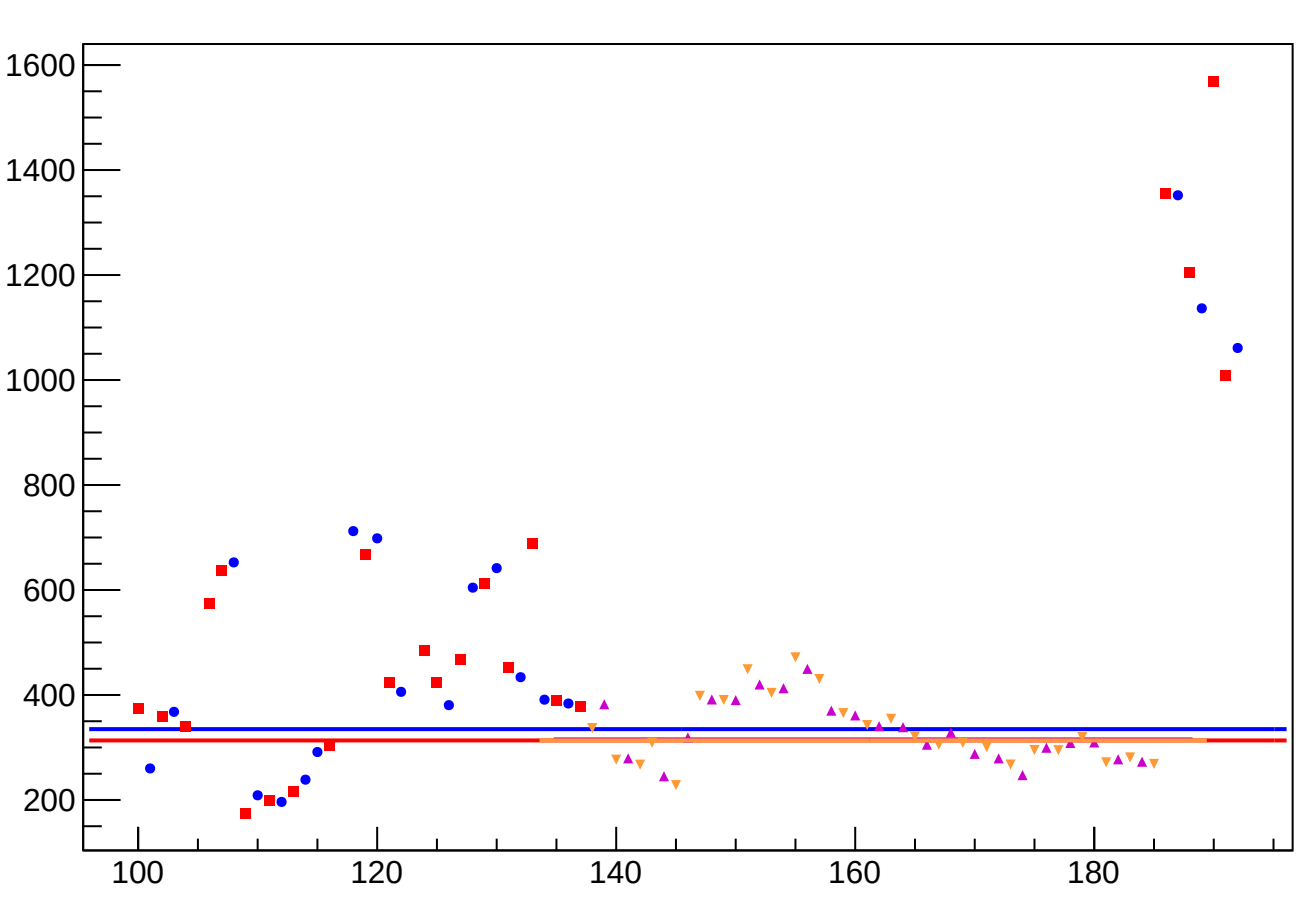
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 44.094+/-86.863 χ^2/NDF: 45.3/41

In: -6.565+/-64.516 χ^2/NDF:55.9/41

Out: -144.742+/-61.945 χ^2/NDF:87.1/47

All: -78.462+/-44.683 χ^2/NDF: 145.5/89



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: 313.421+/-0.084 χ^2/NDF: 4743568.8/22

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

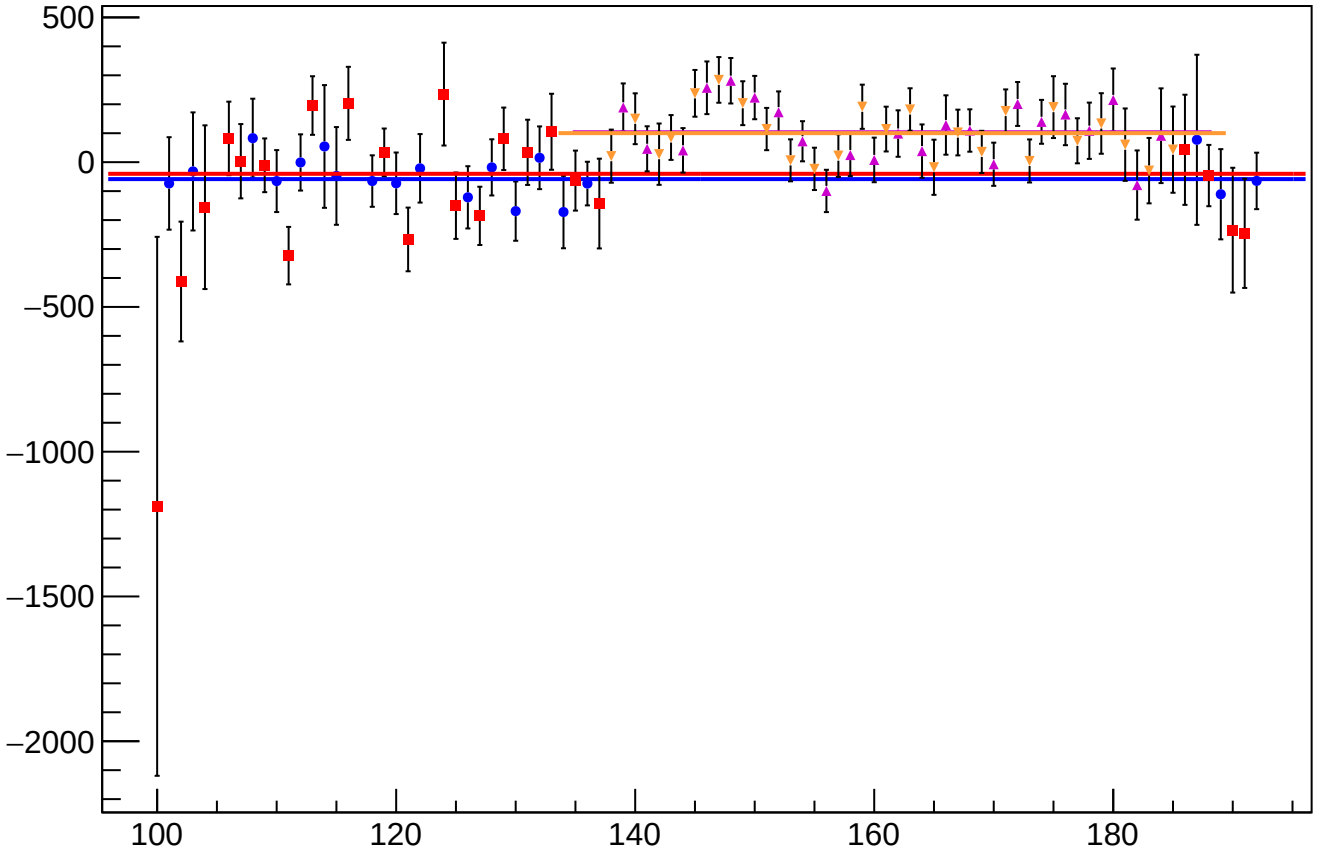
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 323.493+/-0.061 χ^2/NDF: 8578027.5/41

In: 320.487+/-0.046 χ^2/NDF:4847359.1/41

Out: 313.479+/-0.044 χ^2/NDF:5919098.8/47

All: 316.840+/-0.032 χ^2/NDF: 10778735.3/89



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: -40.198+/-25.832 χ^2/NDF: 39.4/22

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

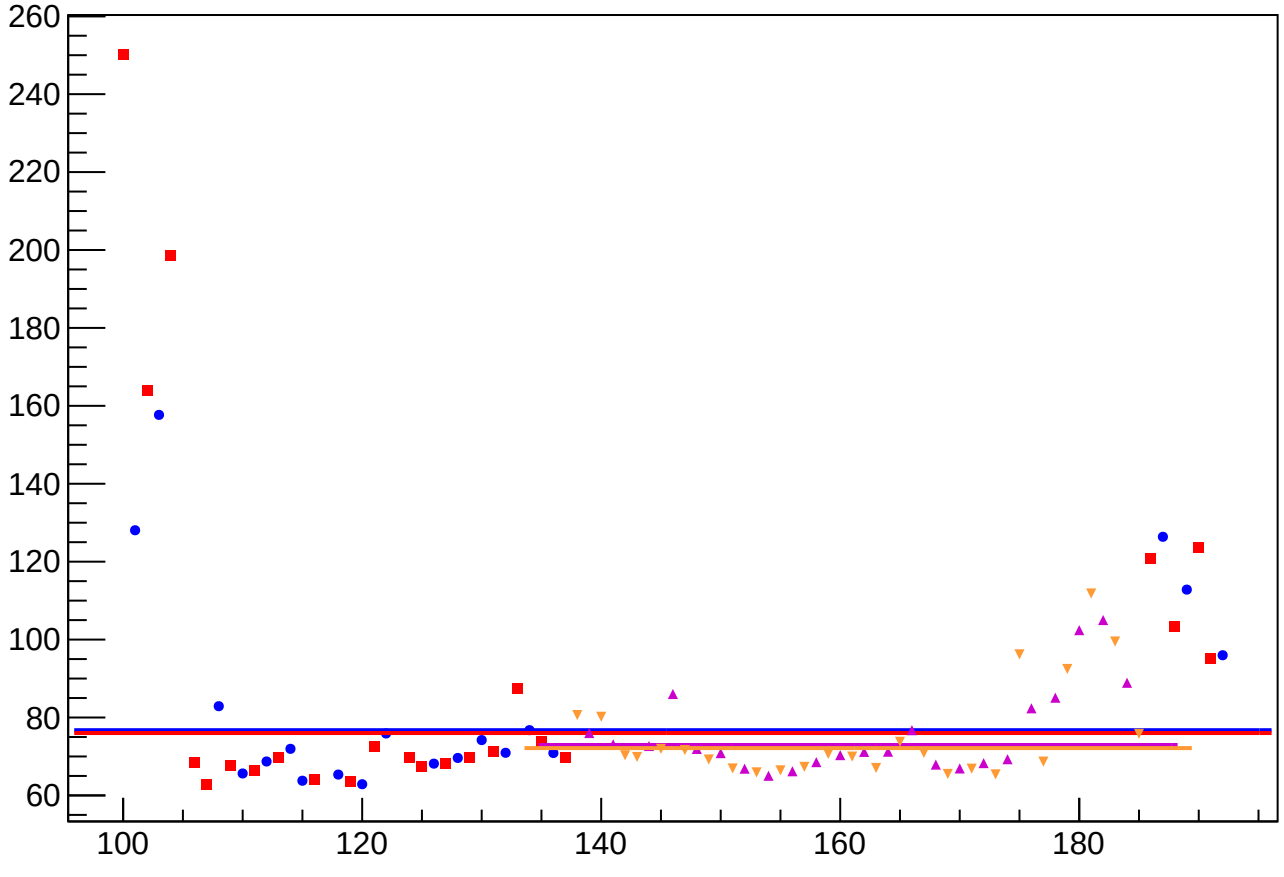
Right: -49.124+/-18.493 χ^2/NDF: 44.8/41

In: 55.110+/-14.461 χ^2/NDF:64.2/41

Out: 59.132+/-13.980 χ^2/NDF:88.0/47

All: 57.189+/-10.051 χ^2/NDF: 152.2/89

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: 76.017+/-0.018 χ^2/NDF: 1363917.6/22

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

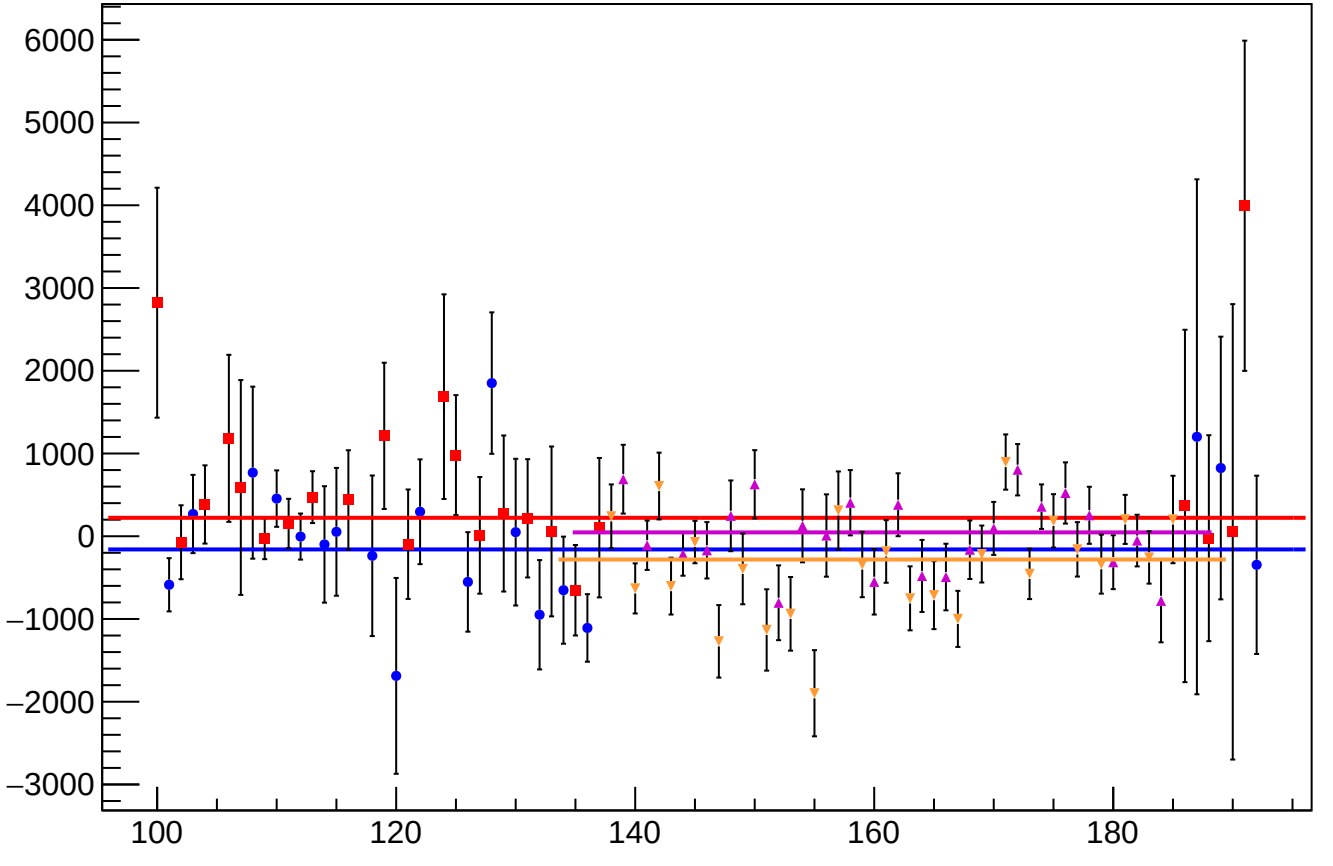
Right: 76.370+/-0.013 χ^2/NDF: 2290109.2/41

In: 74.079+/-0.010 χ^2/NDF:1463241.6/41

Out: 73.282+/-0.010 χ^2/NDF:2037579.0/47

All: 73.667+/-0.007 χ^2/NDF: 3503957.4/89

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: 222.851+/-119.053 χ^2/NDF: 17.2/22

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

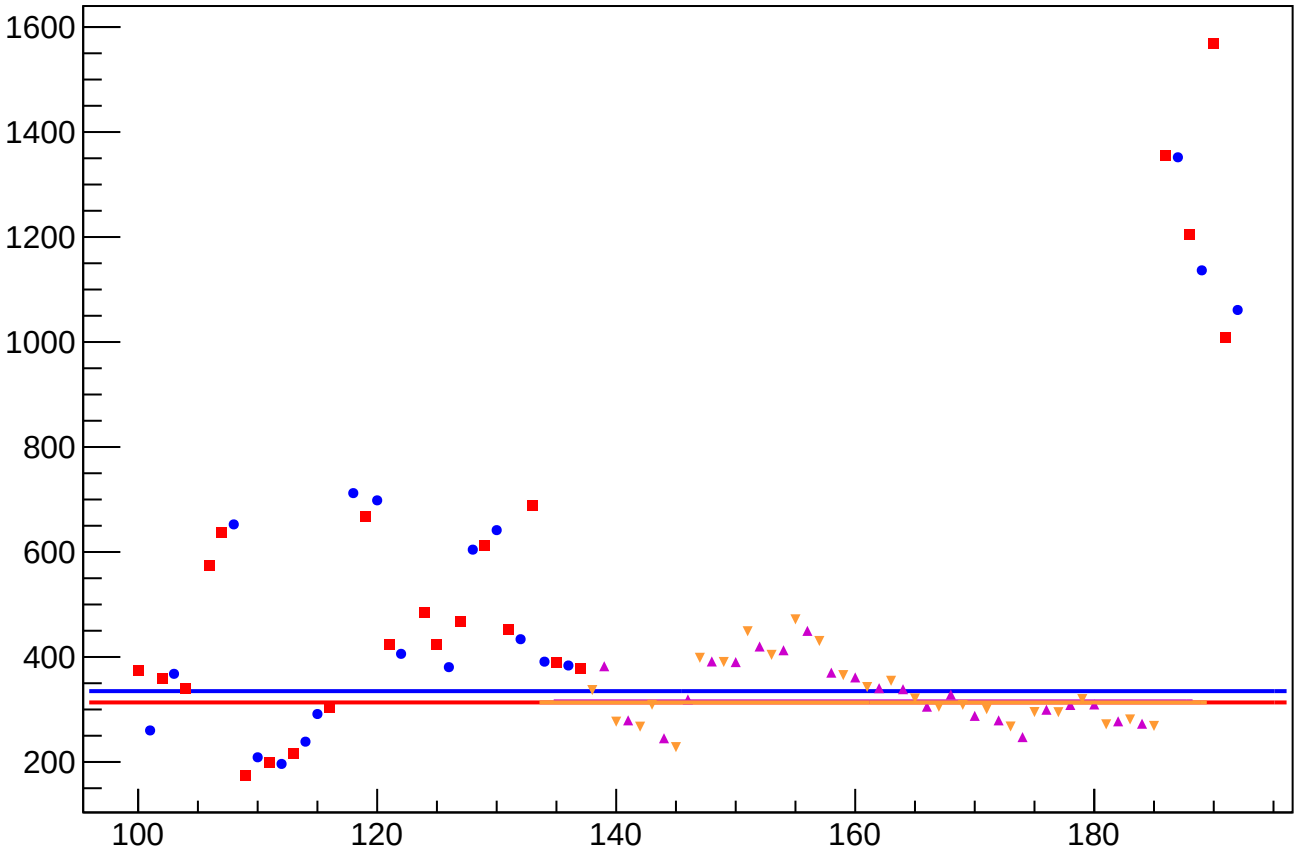
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 44.094+/-86.863 χ^2/NDF: 45.3/41

In: -6.566+/-64.516 χ^2/NDF:55.9/41

Out: -144.742+/-61.945 χ^2/NDF:87.1/47

All: -78.462+/-44.683 χ^2/NDF: 145.5/89



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: 313.420+/-0.084 χ^2/NDF: 4743586.8/22

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

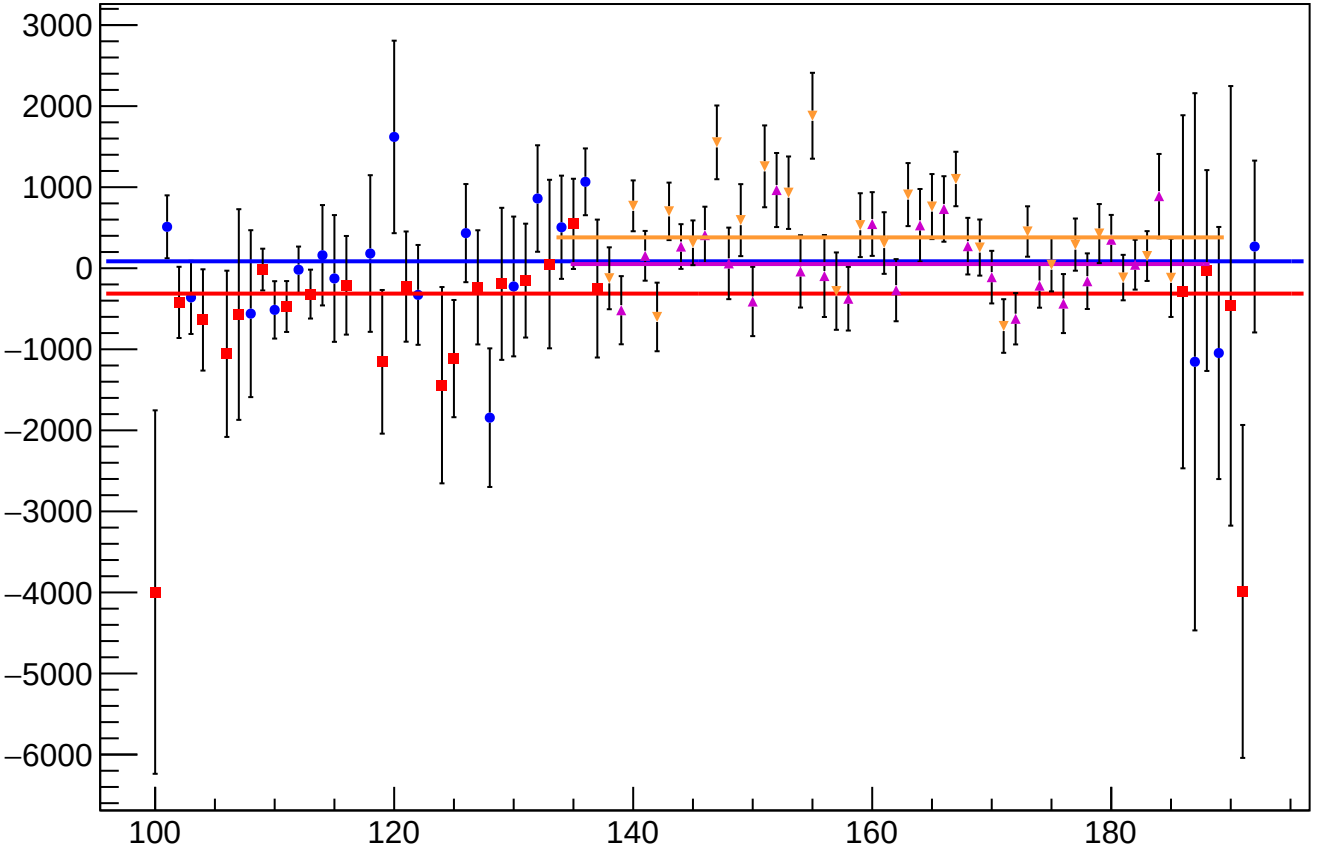
Right: 323.491+/-0.061 χ^2/NDF: 8578084.8/41

In: 320.486+/-0.046 χ^2/NDF:4847389.7/41

Out: 313.478+/-0.044 χ^2/NDF:5919122.3/47

All: 316.840+/-0.032 χ^2/NDF: 10778789.3/89

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: -313.043+/-122.758 χ^2/NDF: 14.1/22

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

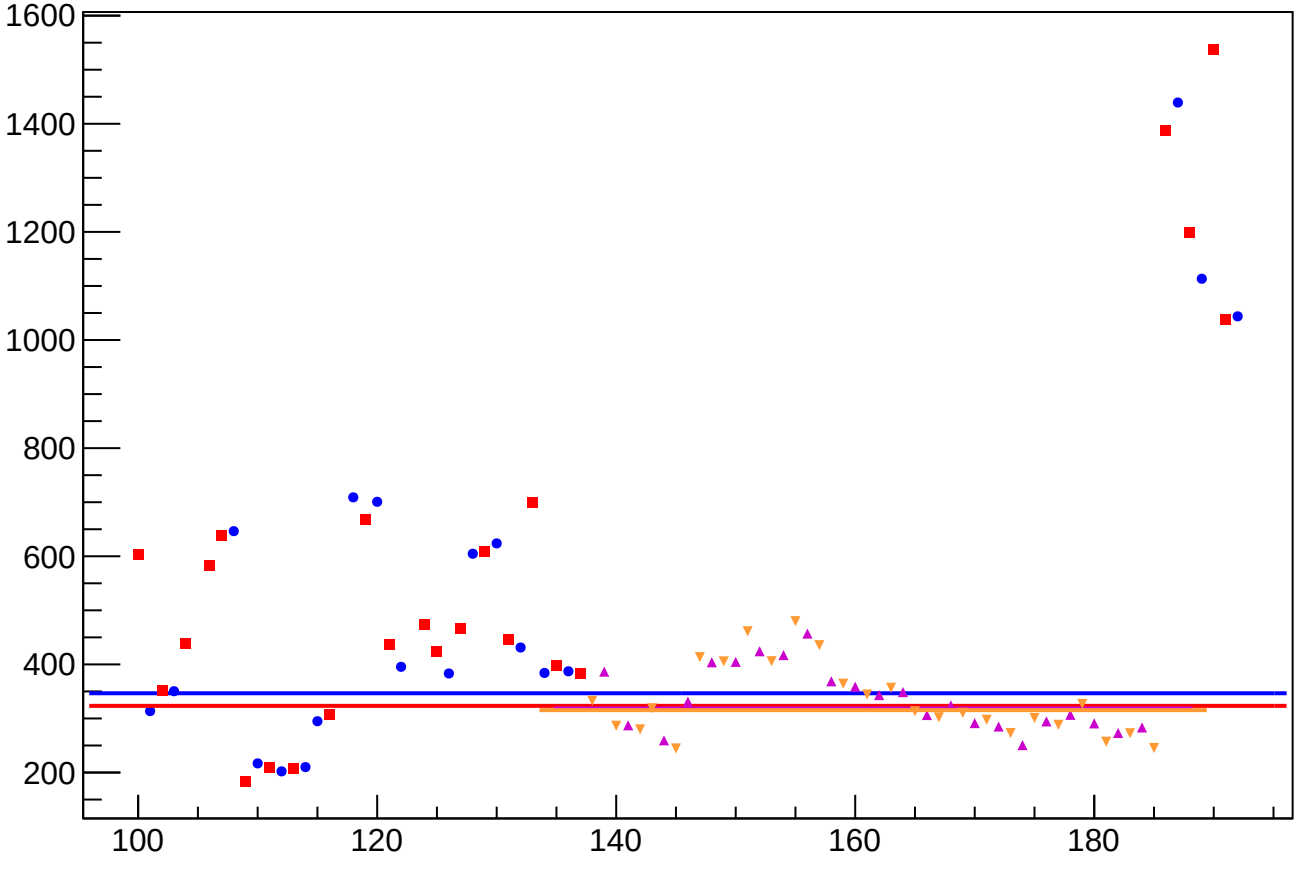
Right: -125.714+/-89.368 χ^2/NDF: 40.6/41

In: 60.048+/-65.417 χ^2/NDF:49.8/41

Out: 199.199+/-62.780 χ^2/NDF:93.1/47

All: 132.484+/-45.296 χ^2/NDF: 145.2/89

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: 323.333+/-0.087 χ^2/NDF: 4687095.7/22

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

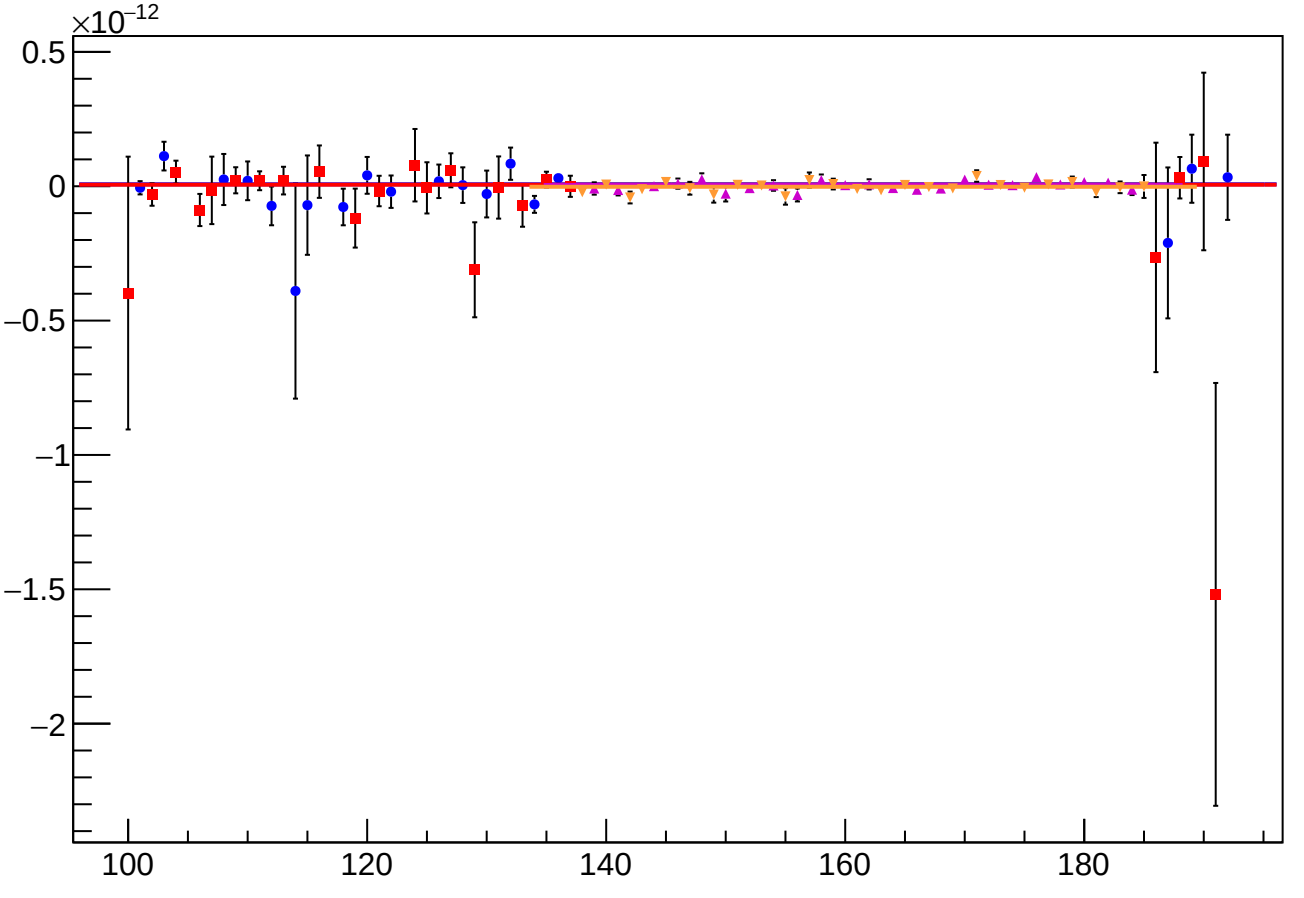
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 334.275+/-0.063 χ^2/NDF: 8285907.6/41

In: 325.721+/-0.046 χ^2/NDF:4625278.2/41

Out: 317.472+/-0.044 χ^2/NDF:5903375.9/47

All: 321.427+/-0.032 χ^2/NDF: 10545211.5/89



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: 17.1/22

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

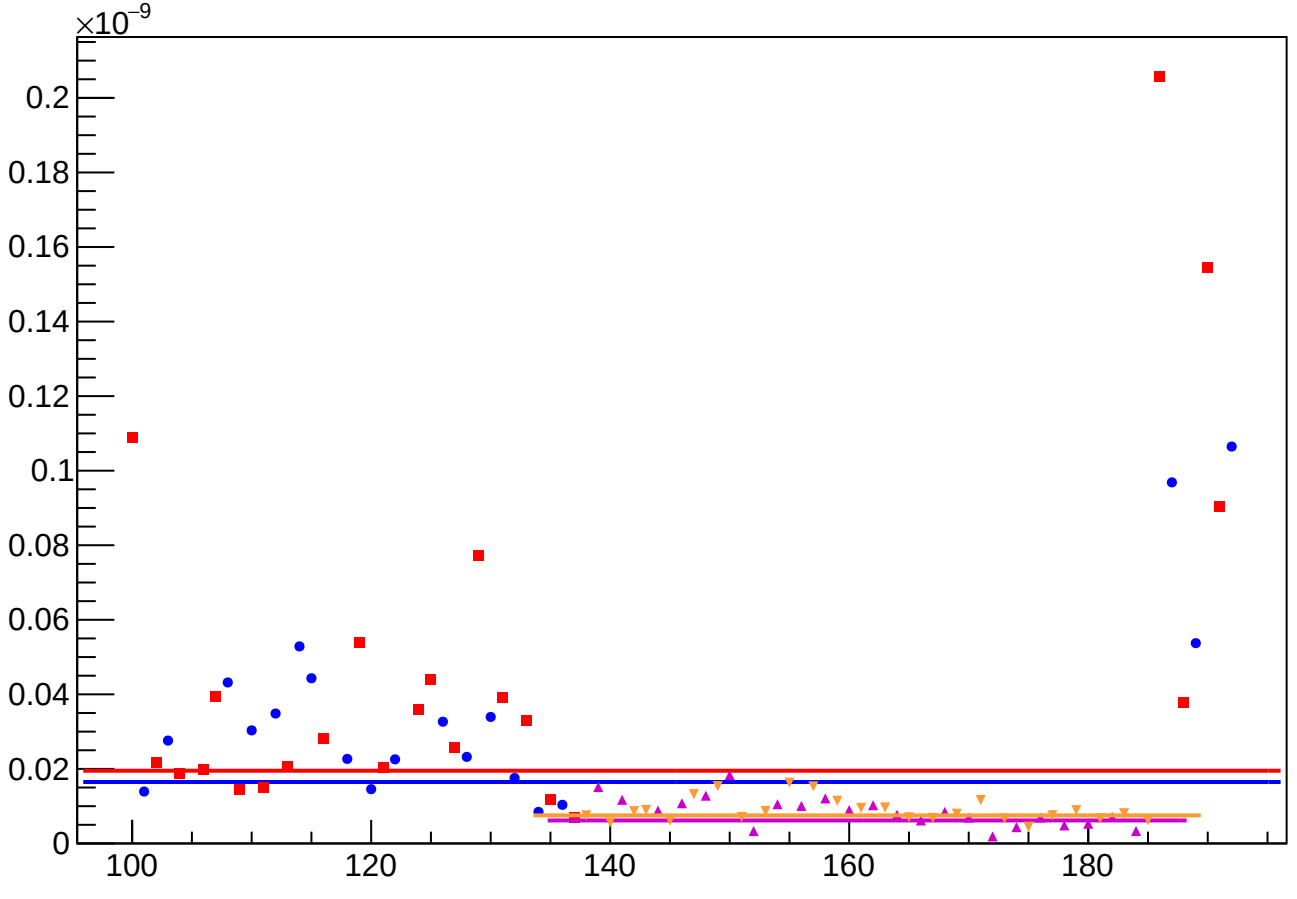
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 35.7/41

In: 0.000+/-0.000 χ^2/NDF:36.3/41

Out: -0.000+/-0.000 χ^2/NDF:36.5/47

All: 0.000+/-0.000 χ^2/NDF: 74.9/89



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: 2082634.3/22

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

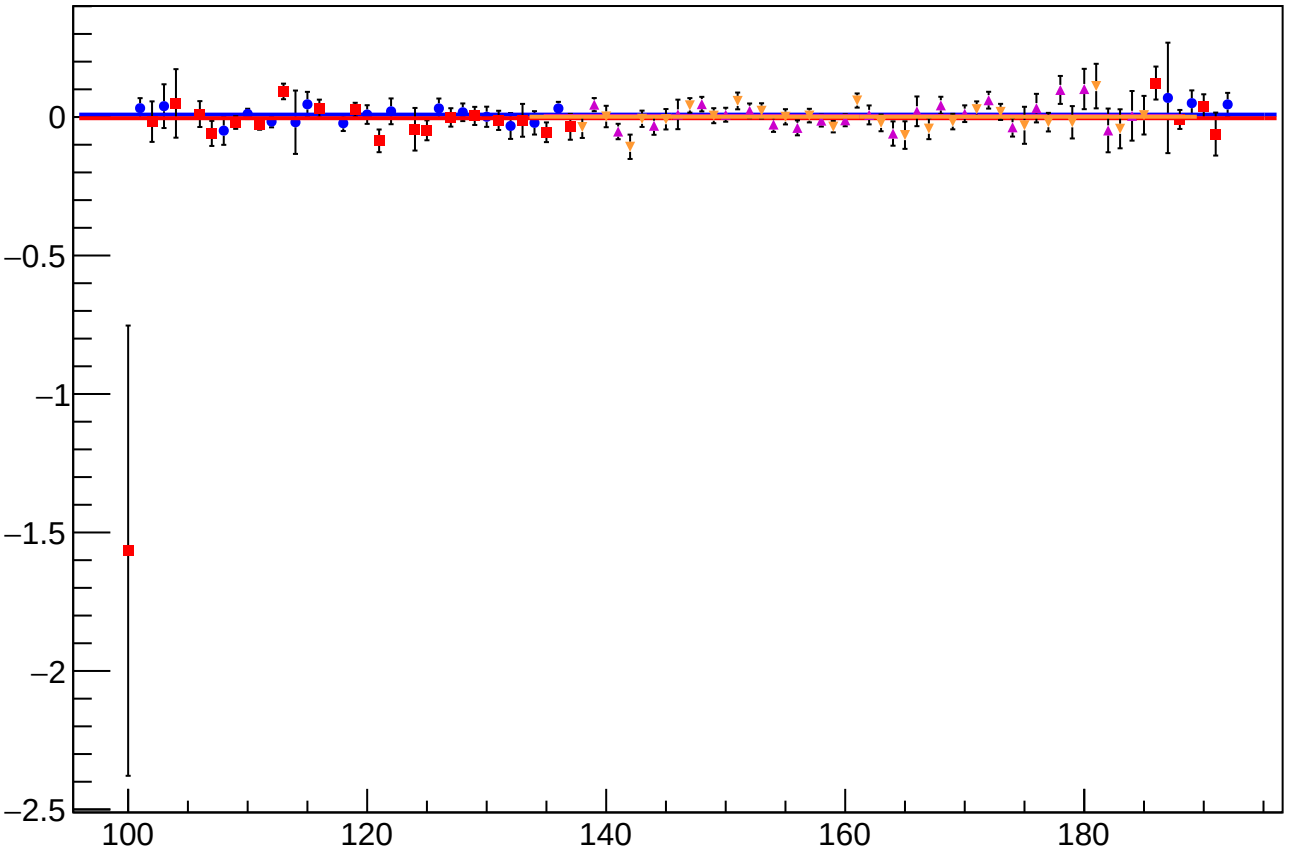
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 4305453.8/41

In: 0.000+/-0.000 χ^2/NDF:6611142.3/41

Out: 0.000+/-0.000 χ^2/NDF:4976788.8/47

All: 0.000+/-0.000 χ^2/NDF: 11789985.7/89



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: -0.004+/-0.008 χ^2/NDF: 36.1/22

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

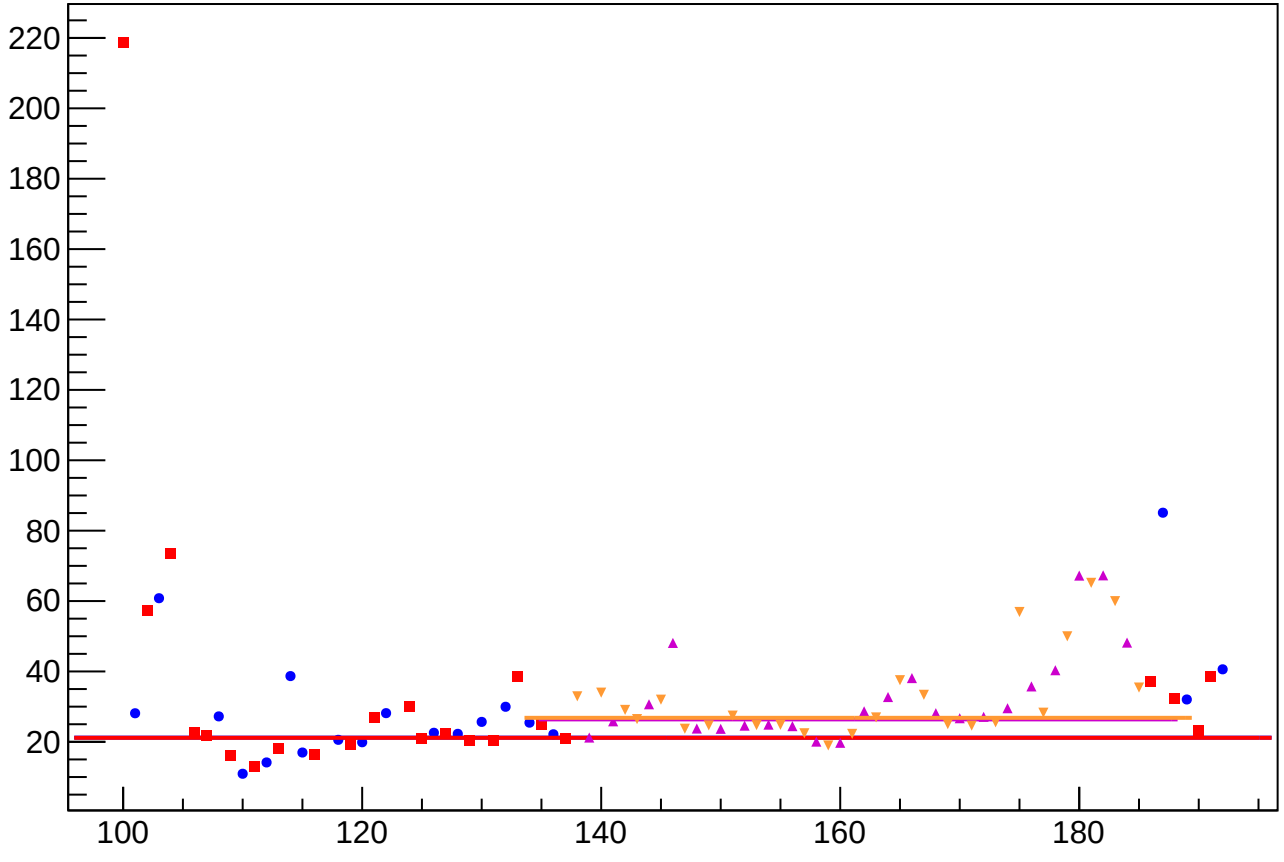
Right: 0.002+/-0.005 χ^2/NDF: 47.1/41

In: 0.006+/-0.005 χ^2/NDF:41.0/41

Out: -0.001+/-0.005 χ^2/NDF:66.7/47

All: 0.002+/-0.004 χ^2/NDF: 108.6/89

asym_sam7_dit_vs_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: 21.148+/-0.005 χ^2/NDF: 2222492.6/22

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

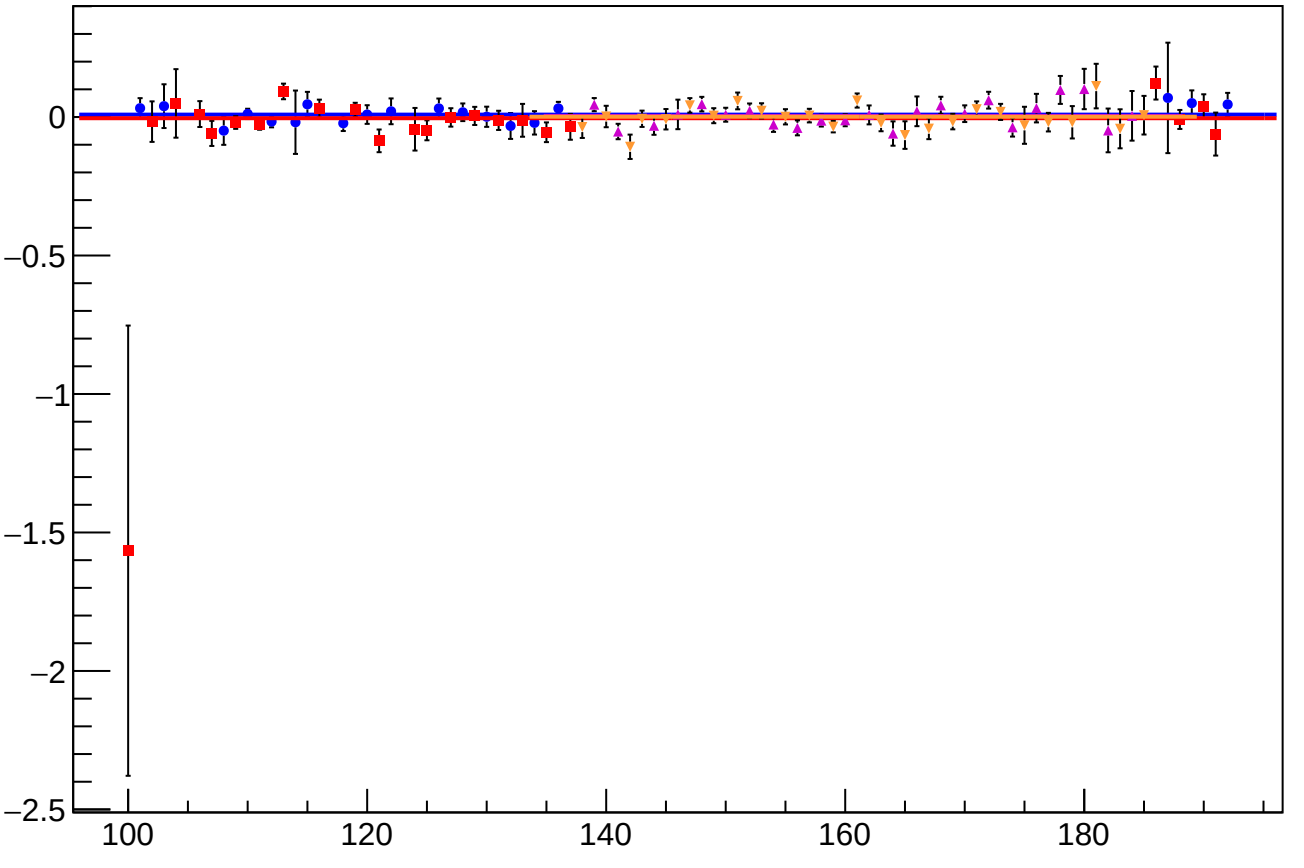
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 21.169+/-0.004 χ^2/NDF: 4655289.3/41

In: 24.241+/-0.004 χ^2/NDF:5506907.2/41

Out: 24.444+/-0.004 χ^2/NDF:5331552.7/47

All: 24.345+/-0.003 χ^2/NDF: 10840090.8/89



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: -0.004+/-0.008 χ^2/NDF: 36.1/22

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

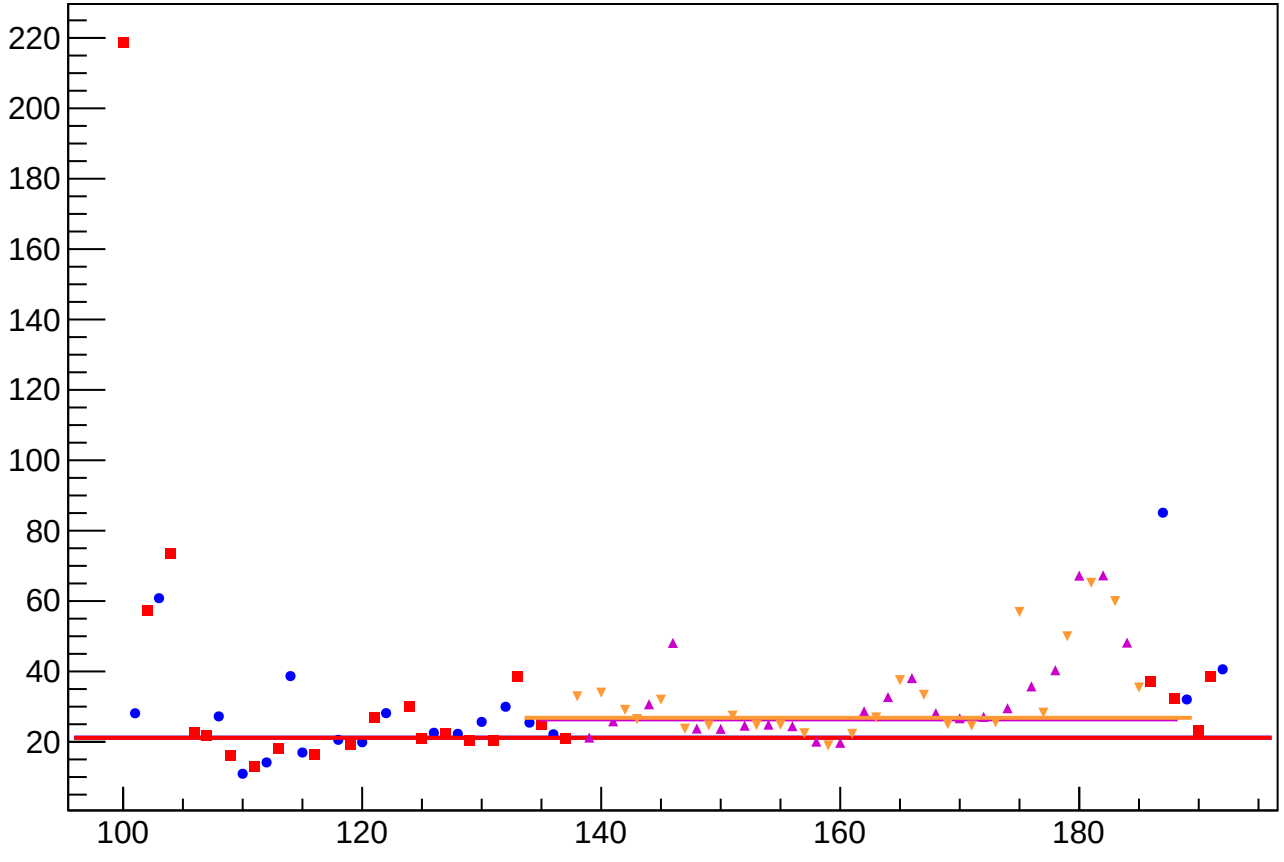
Right: 0.002+/-0.005 χ^2/NDF: 47.1/41

In: 0.006+/-0.005 χ^2/NDF:41.0/41

Out: -0.001+/-0.005 χ^2/NDF:66.7/47

All: 0.002+/-0.004 χ^2/NDF: 108.6/89

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: 21.148+/-0.005 χ^2/NDF: 2222492.6/22

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

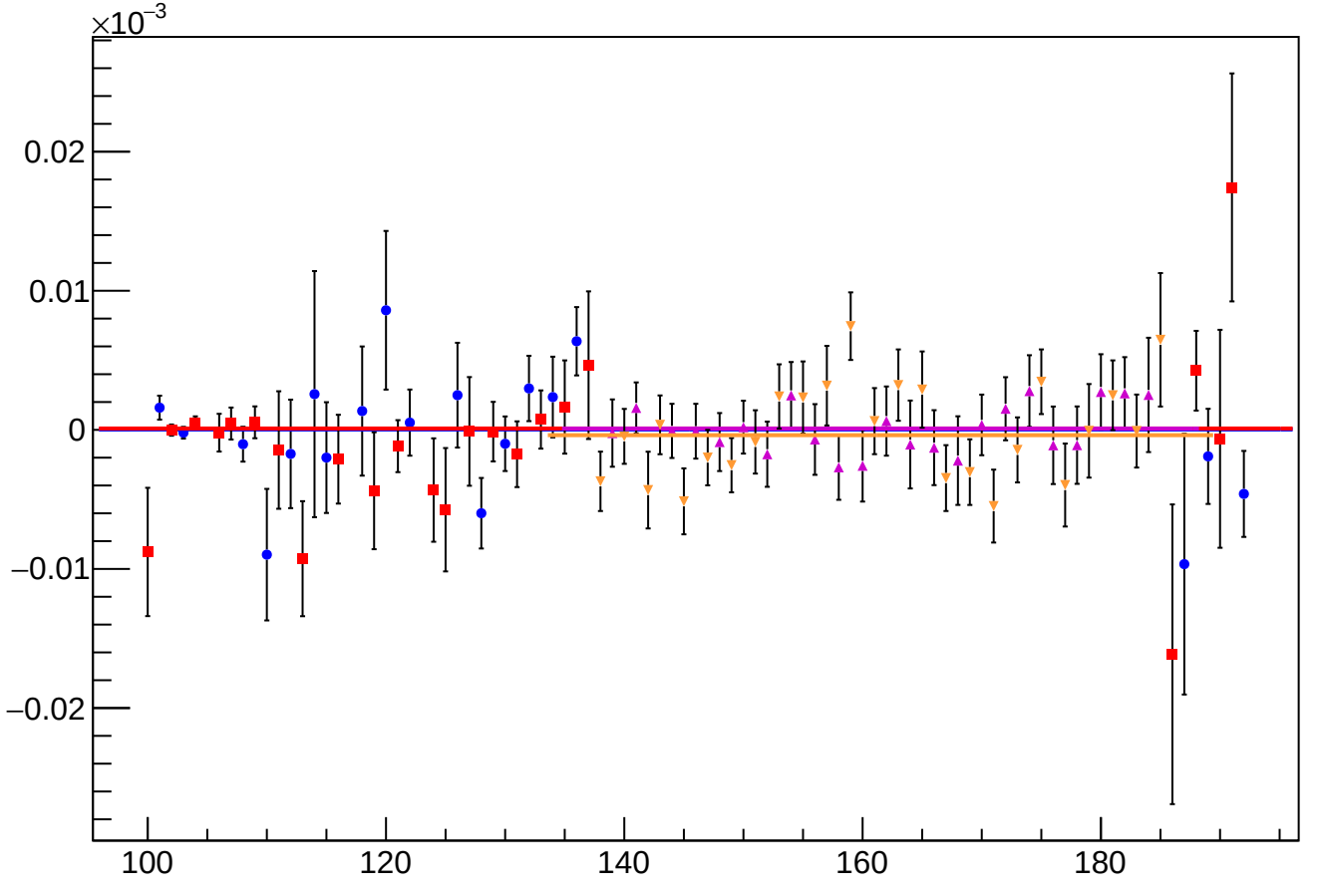
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 21.169+/-0.004 χ^2/NDF: 4655289.3/41

In: 24.241+/-0.004 χ^2/NDF:5506907.2/41

Out: 24.444+/-0.004 χ^2/NDF:5331552.7/47

All: 24.345+/-0.003 χ^2/NDF: 10840090.8/89



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: 26.0/22

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

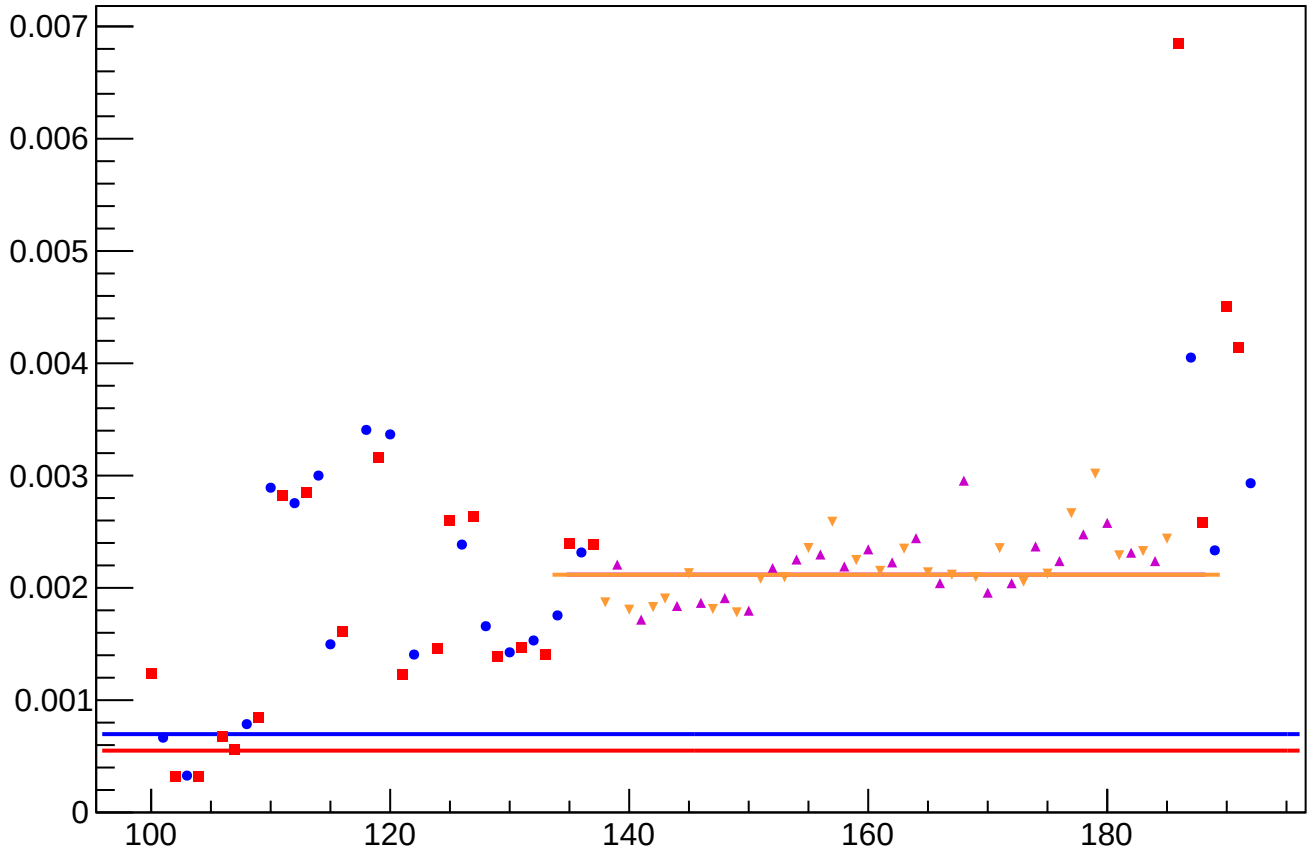
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 55.8/41

In: 0.000+/-0.000 χ^2/NDF:39.9/41

Out: -0.000+/-0.000 χ^2/NDF:69.9/47

All: 0.000+/-0.000 χ^2/NDF: 109.8/89



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: 9283626.6/22

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

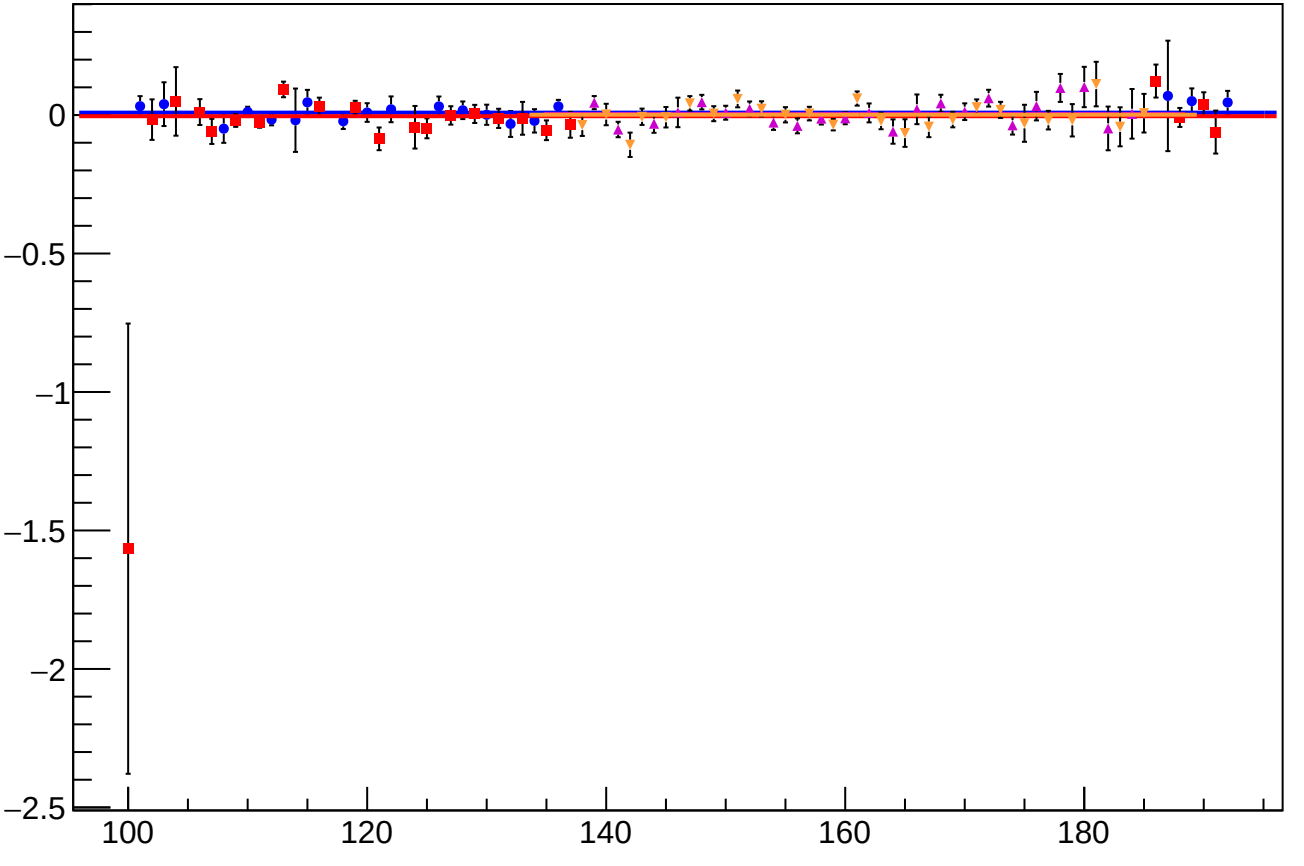
Right: 0.001+/-0.000 χ^2/NDF: 17682959.4/41

In: 0.001+/-0.000 χ^2/NDF:19987604.2/41

Out: 0.001+/-0.000 χ^2/NDF:26027720.6/47

All: 0.001+/-0.000 χ^2/NDF: 46852267.4/89

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.004+/-0.008 χ^2/NDF: 36.1/22

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

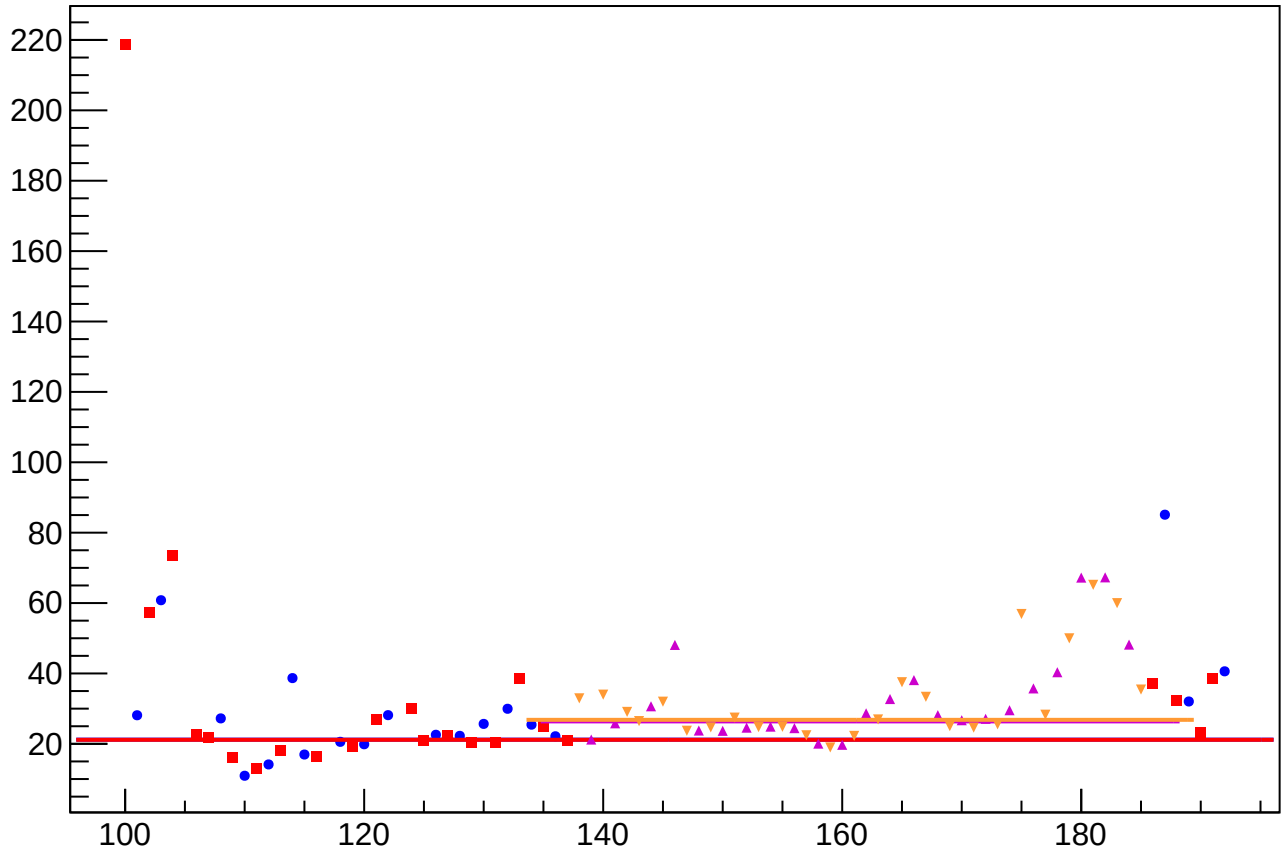
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.002+/-0.005 χ^2/NDF: 47.1/41

In: 0.006+/-0.005 χ^2/NDF:41.0/41

Out: -0.001+/-0.005 χ^2/NDF:66.6/47

All: 0.002+/-0.004 χ^2/NDF: 108.6/89



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: 21.148+/-0.005 χ^2/NDF: 2222373.4/22

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

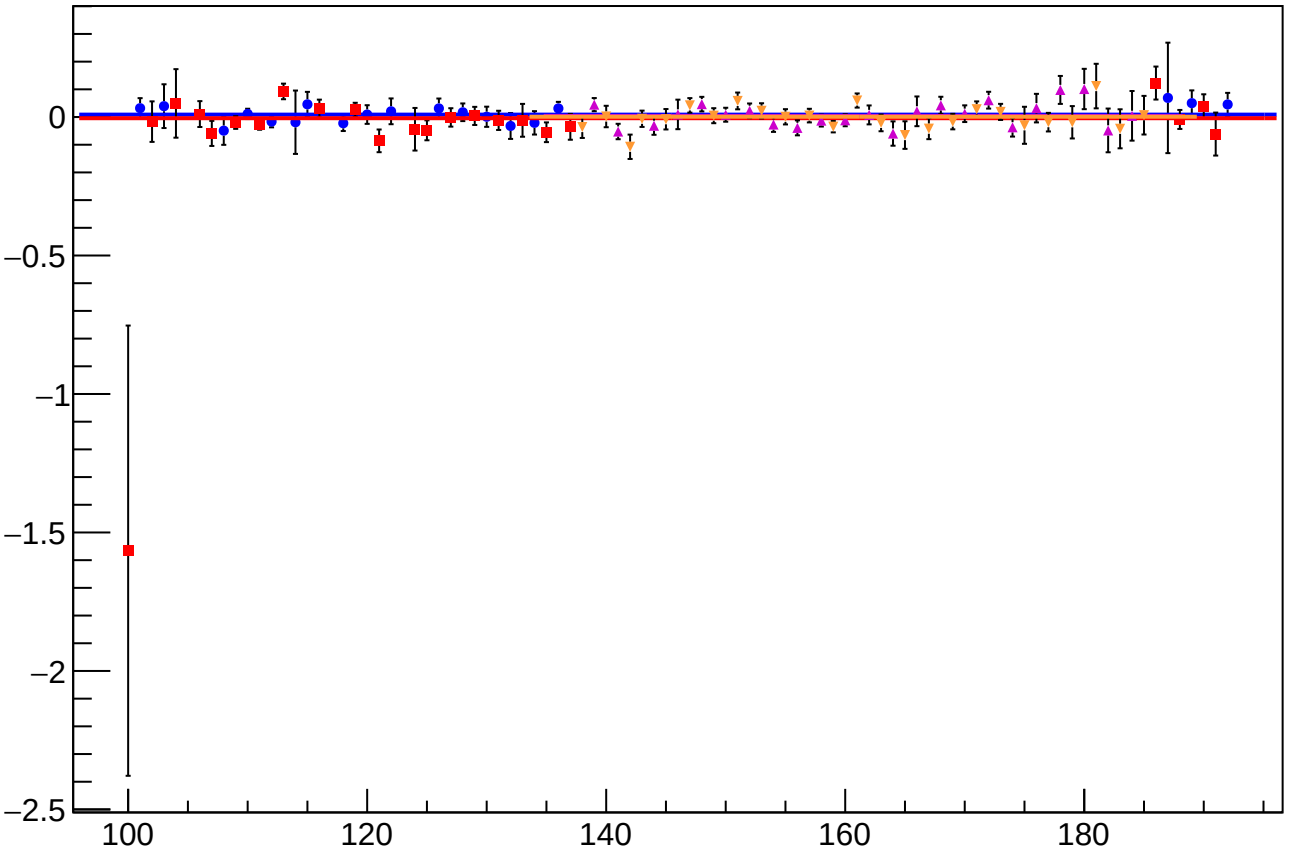
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 21.170+/-0.004 χ^2/NDF: 4654970.8/41

In: 24.242+/-0.004 χ^2/NDF:5506679.5/41

Out: 24.444+/-0.004 χ^2/NDF:5331451.1/47

All: 24.345+/-0.003 χ^2/NDF: 10839759.1/89



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: -0.004+/-0.008 χ^2/NDF: 36.1/22

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

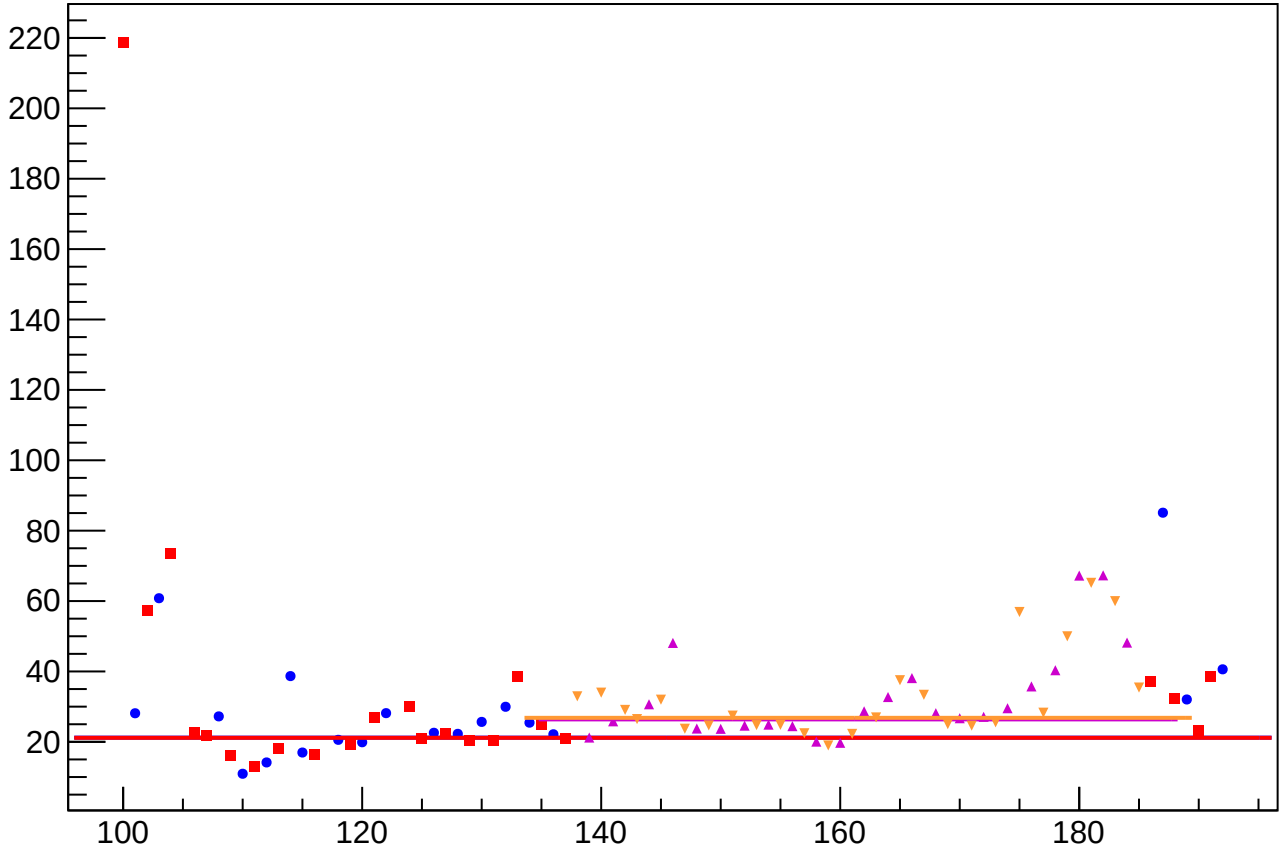
Right: 0.002+/-0.005 χ^2/NDF: 47.1/41

In: 0.006+/-0.005 χ^2/NDF:41.0/41

Out: -0.001+/-0.005 χ^2/NDF:66.6/47

All: 0.002+/-0.004 χ^2/NDF: 108.6/89

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: 21.148+/-0.005 χ^2/NDF: 2222373.4/22

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

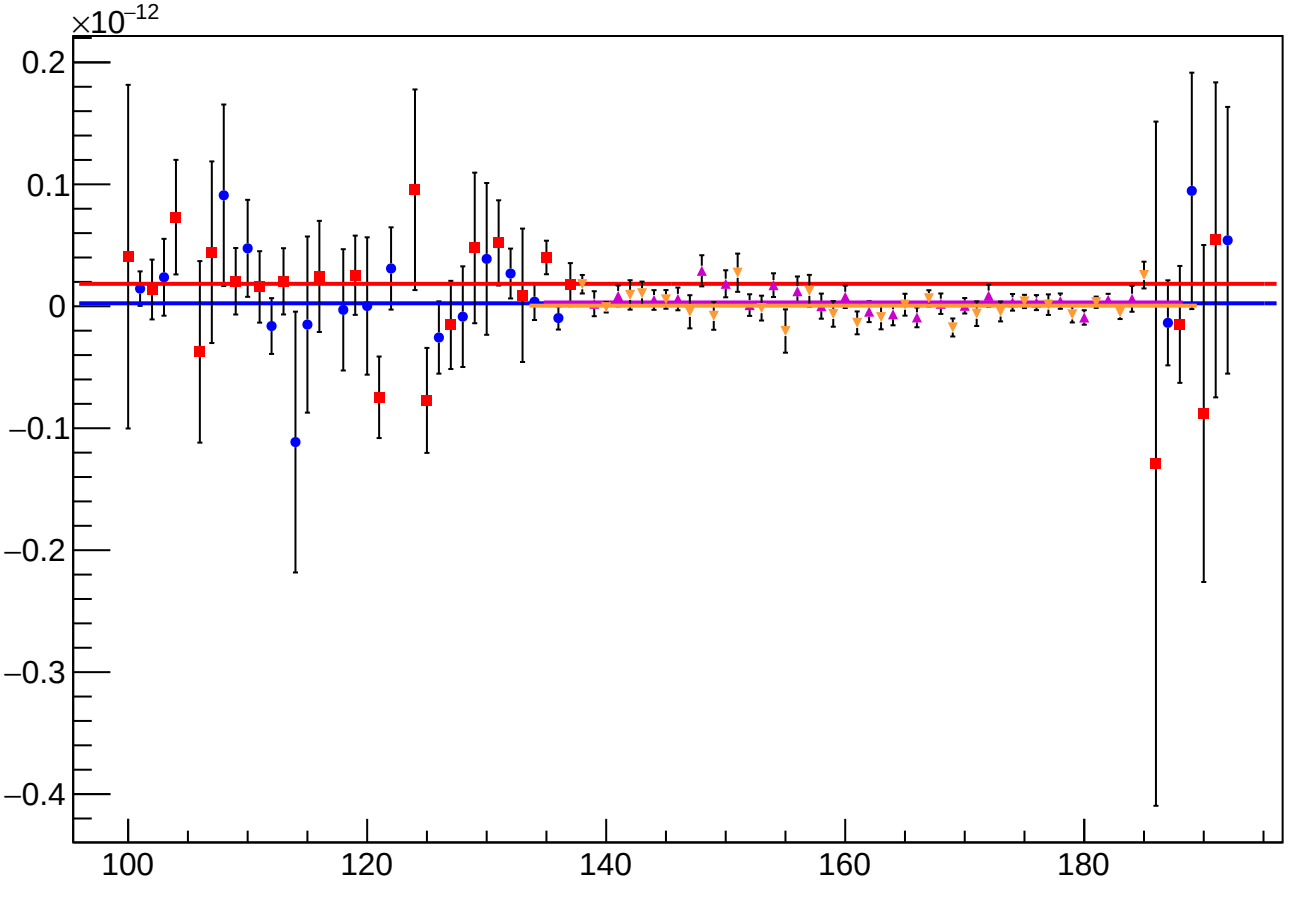
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 21.170+/-0.004 χ^2/NDF: 4654970.8/41

In: 24.242+/-0.004 χ^2/NDF:5506679.5/41

Out: 24.444+/-0.004 χ^2/NDF:5331451.1/47

All: 24.345+/-0.003 χ^2/NDF: 10839759.1/89



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: 21.7/22

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

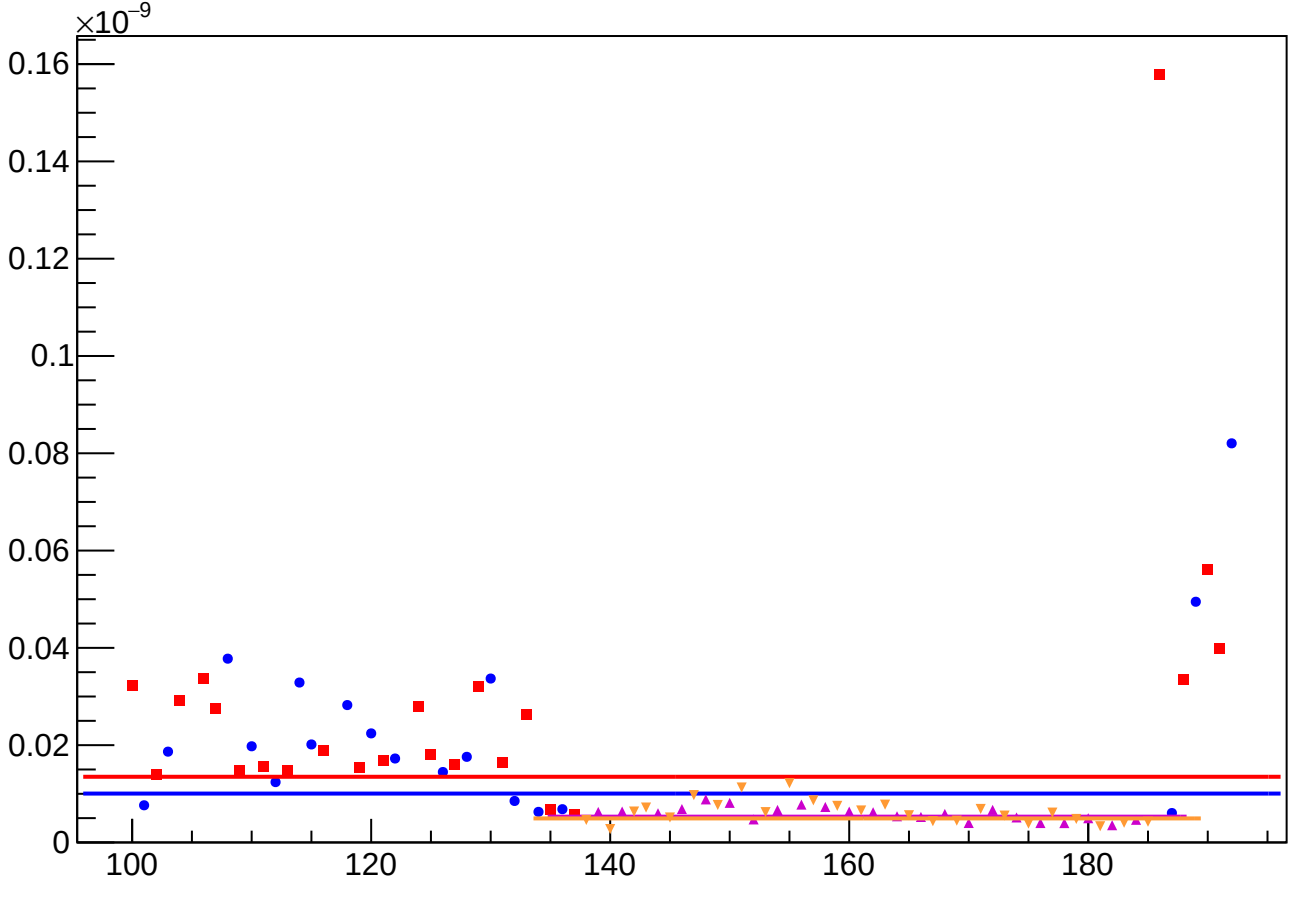
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 37.1/41

In: 0.000+/-0.000 χ^2/NDF:31.3/41

Out: 0.000+/-0.000 χ^2/NDF:60.6/47

All: 0.000+/-0.000 χ^2/NDF: 92.5/89



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: 2972492.3/22

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

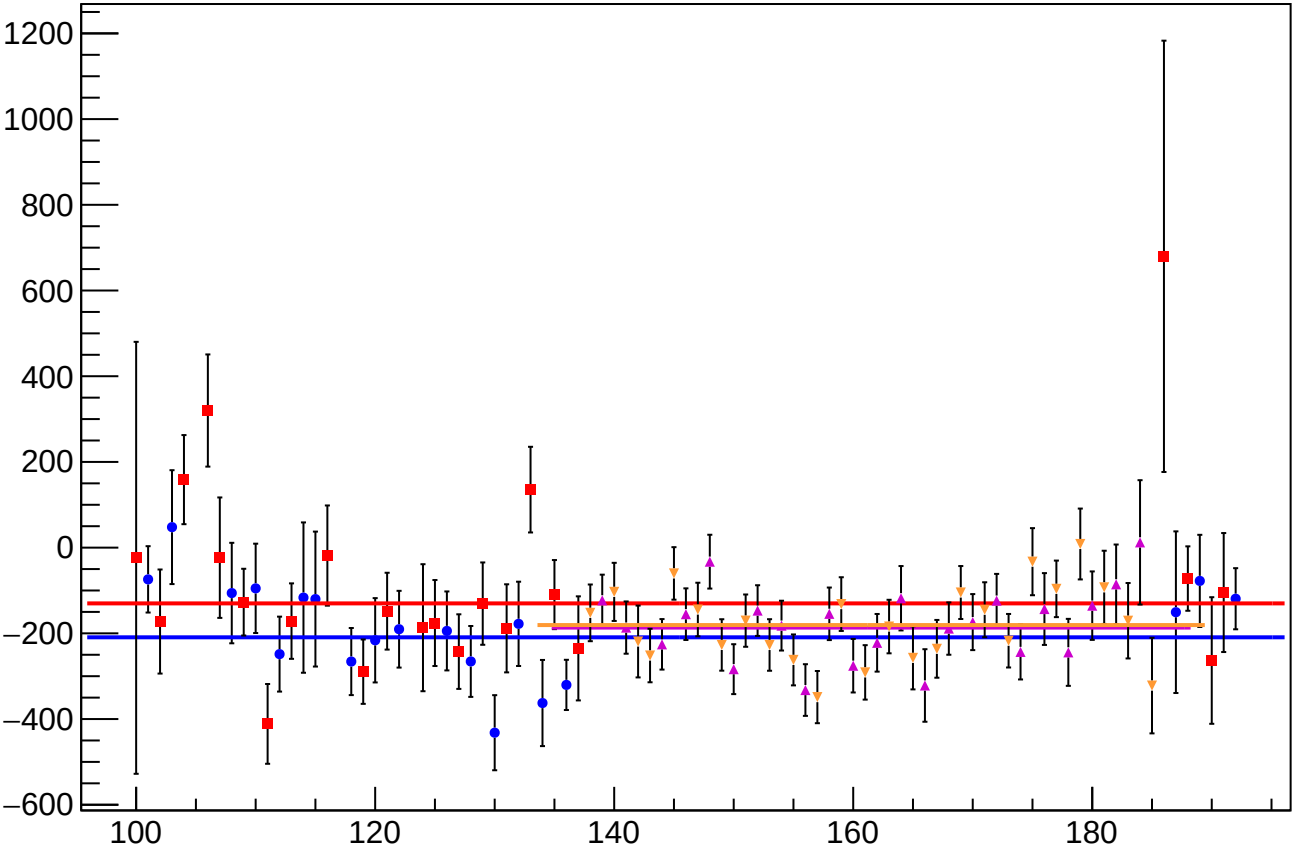
Right: 0.000+/-0.000 χ^2/NDF: 6475049.4/41

In: 0.000+/-0.000 χ^2/NDF:5761966.8/41

Out: 0.000+/-0.000 χ^2/NDF:8599066.4/47

All: 0.000+/-0.000 χ^2/NDF: 14406503.5/89

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: -130.105+/-21.627 χ^2/NDF: 49.3/22

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

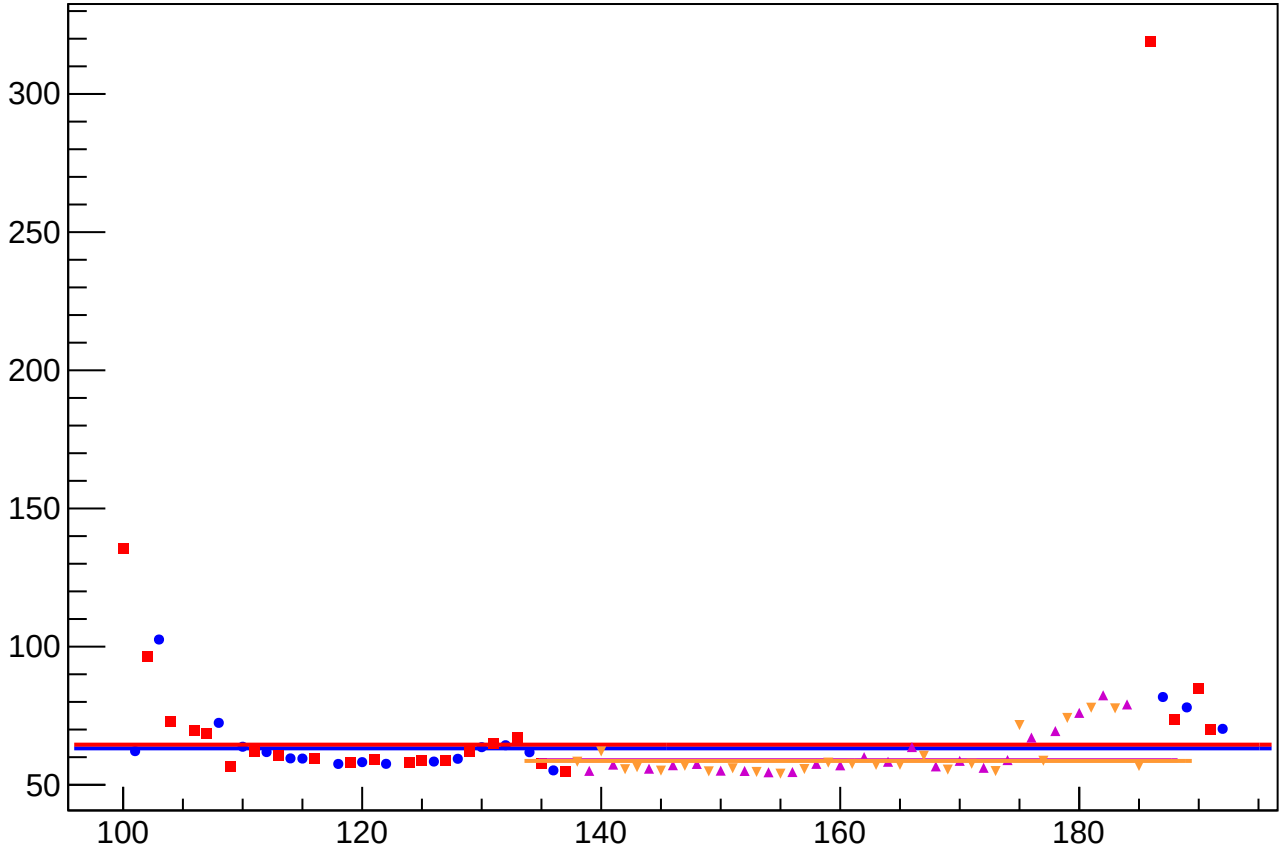
Right: -170.092+/-15.214 χ^2/NDF: 82.4/41

In: -193.272+/-11.634 χ^2/NDF:56.1/41

Out: -166.626+/-11.402 χ^2/NDF:91.9/47

All: -179.681+/-8.143 χ^2/NDF: 150.7/89

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: 64.537+/-0.015 χ^2/NDF: 878600.8/22

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

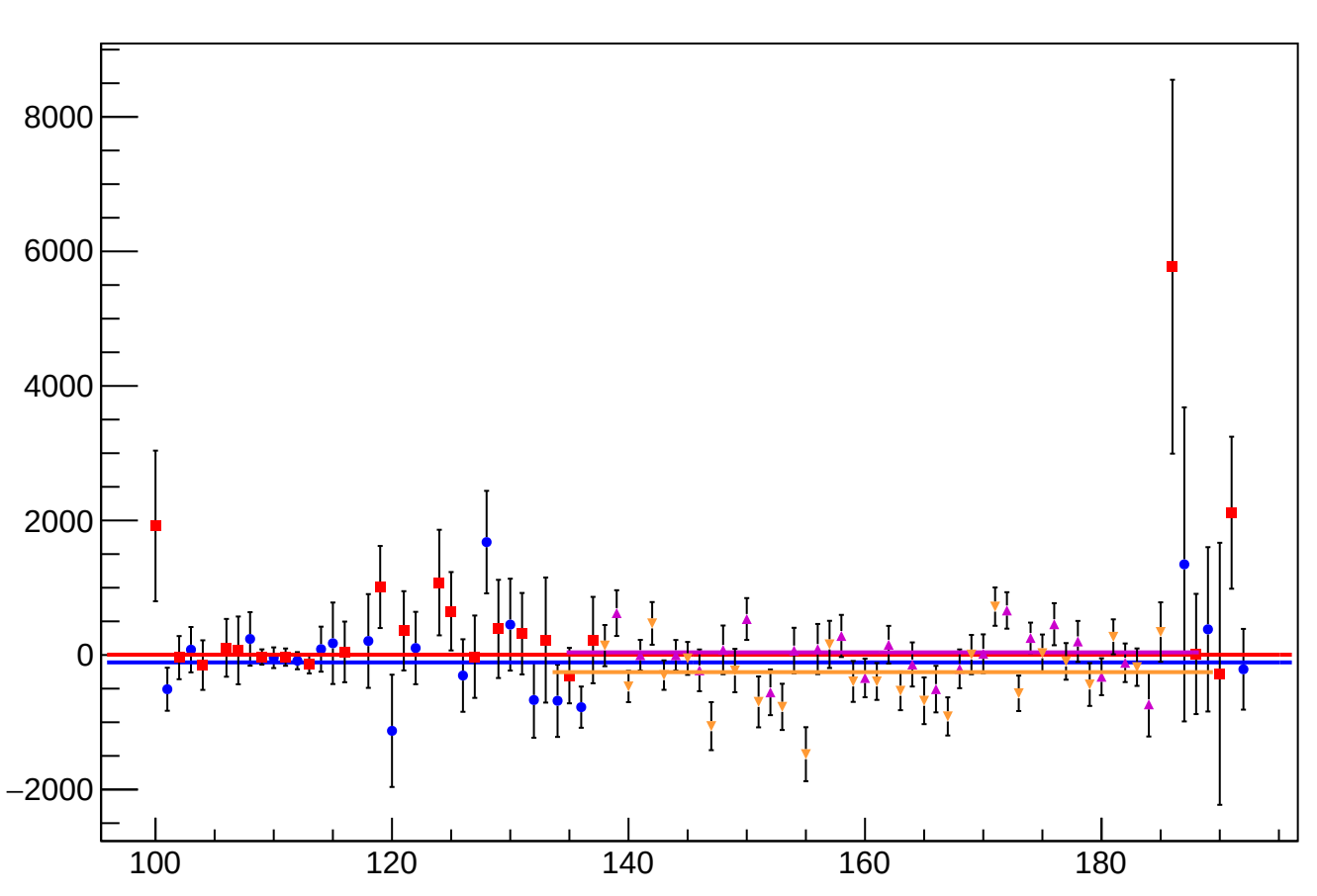
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 63.858+/-0.011 χ^2/NDF: 1221079.4/41

In: 60.172+/-0.008 χ^2/NDF:781886.0/41

Out: 60.282+/-0.008 χ^2/NDF:1379714.7/47

All: 60.228+/-0.006 χ^2/NDF: 2161691.6/89



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: 4.664+/-63.618 χ^2/NDF: 19.5/22

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

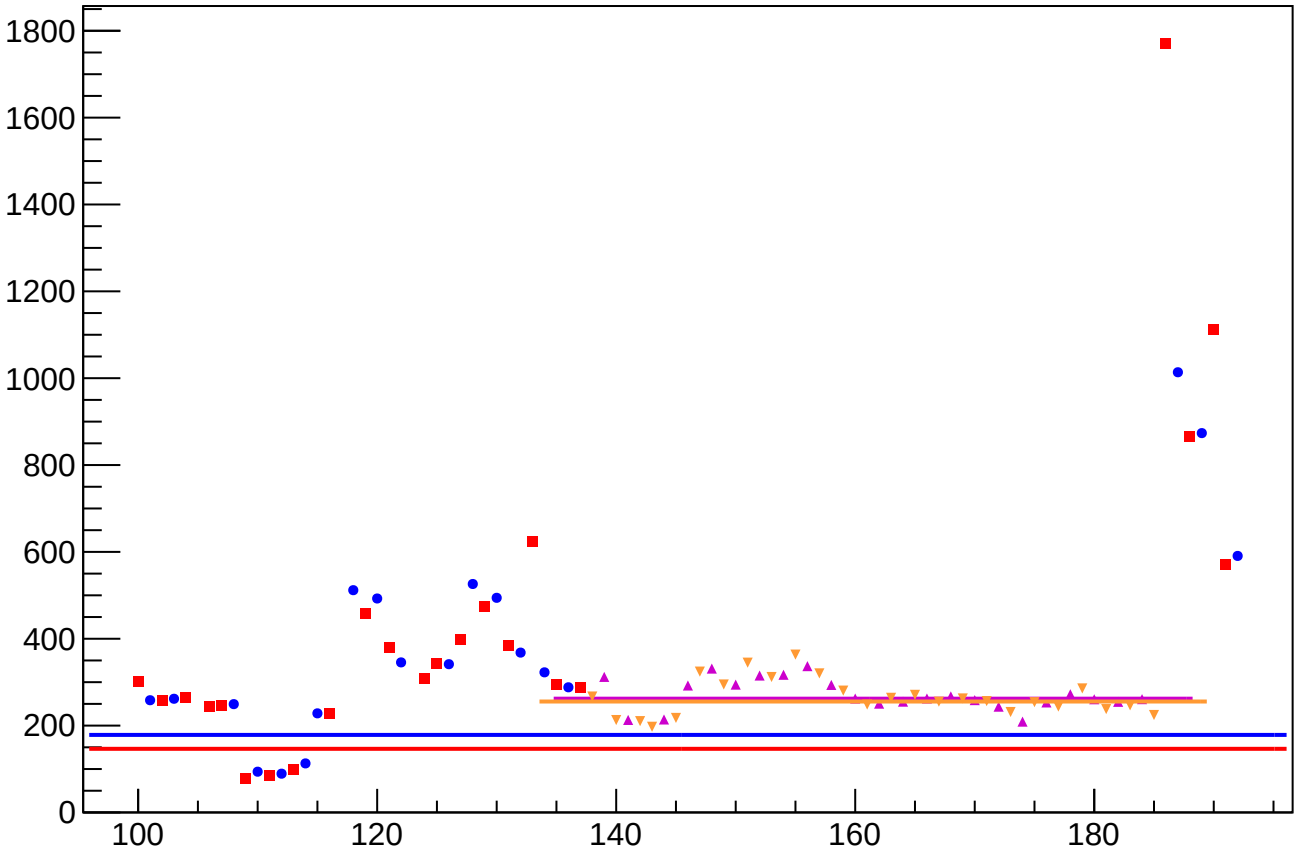
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -43.030+/-48.628 χ^2/NDF: 39.9/41

In: -20.889+/-47.840 χ^2/NDF:49.7/41

Out: -135.003+/-43.211 χ^2/NDF:86.1/47

All: -83.733+/-32.067 χ^2/NDF: 138.9/89



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: 146.538+/-0.045 χ^2/NDF: 7933080.9/22

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

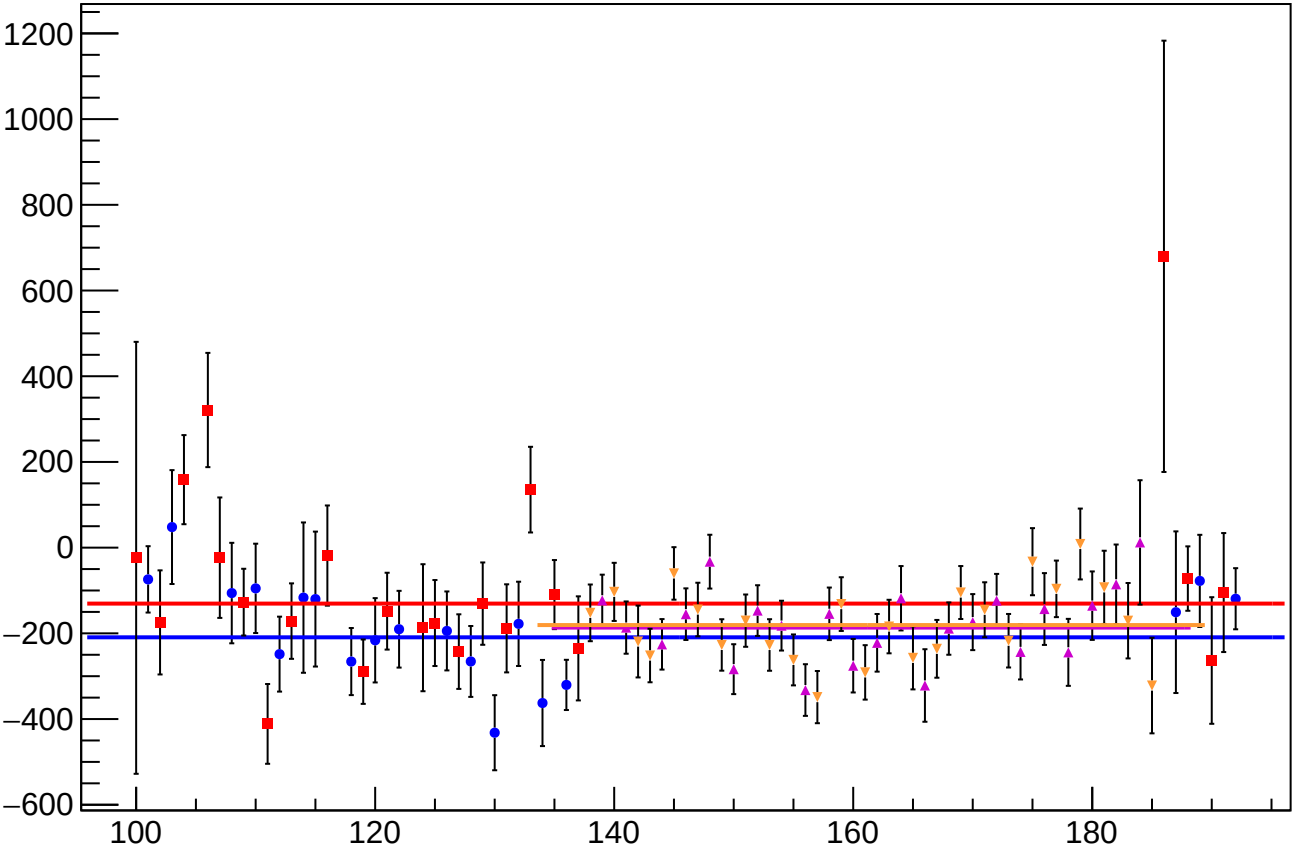
Right: 159.856+/-0.034 χ^2/NDF: 14571001.0/41

In: 228.438+/-0.034 χ^2/NDF:8560403.7/41

Out: 205.214+/-0.031 χ^2/NDF:11955475.4/47

All: 215.648+/-0.023 χ^2/NDF: 20775449.1/89

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: -130.578+/-21.638 χ^2/NDF: 49.0/22

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

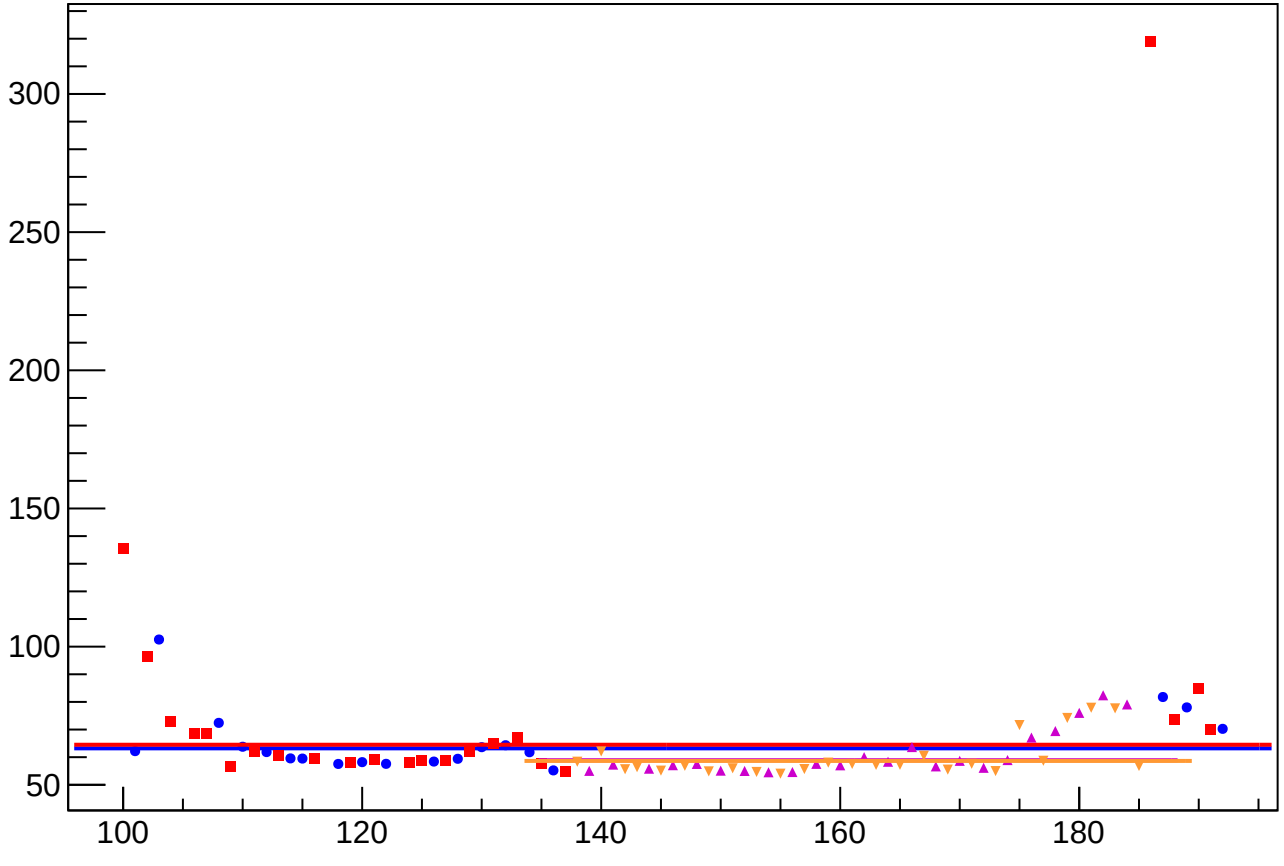
Right: -170.345+/-15.218 χ^2/NDF: 82.0/41

In: -193.272+/-11.634 χ^2/NDF:56.1/41

Out: -166.764+/-11.404 χ^2/NDF:91.4/47

All: -179.753+/-8.144 χ^2/NDF: 150.2/89

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: 64.502+/-0.015 χ^2/NDF: 877504.2/22

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

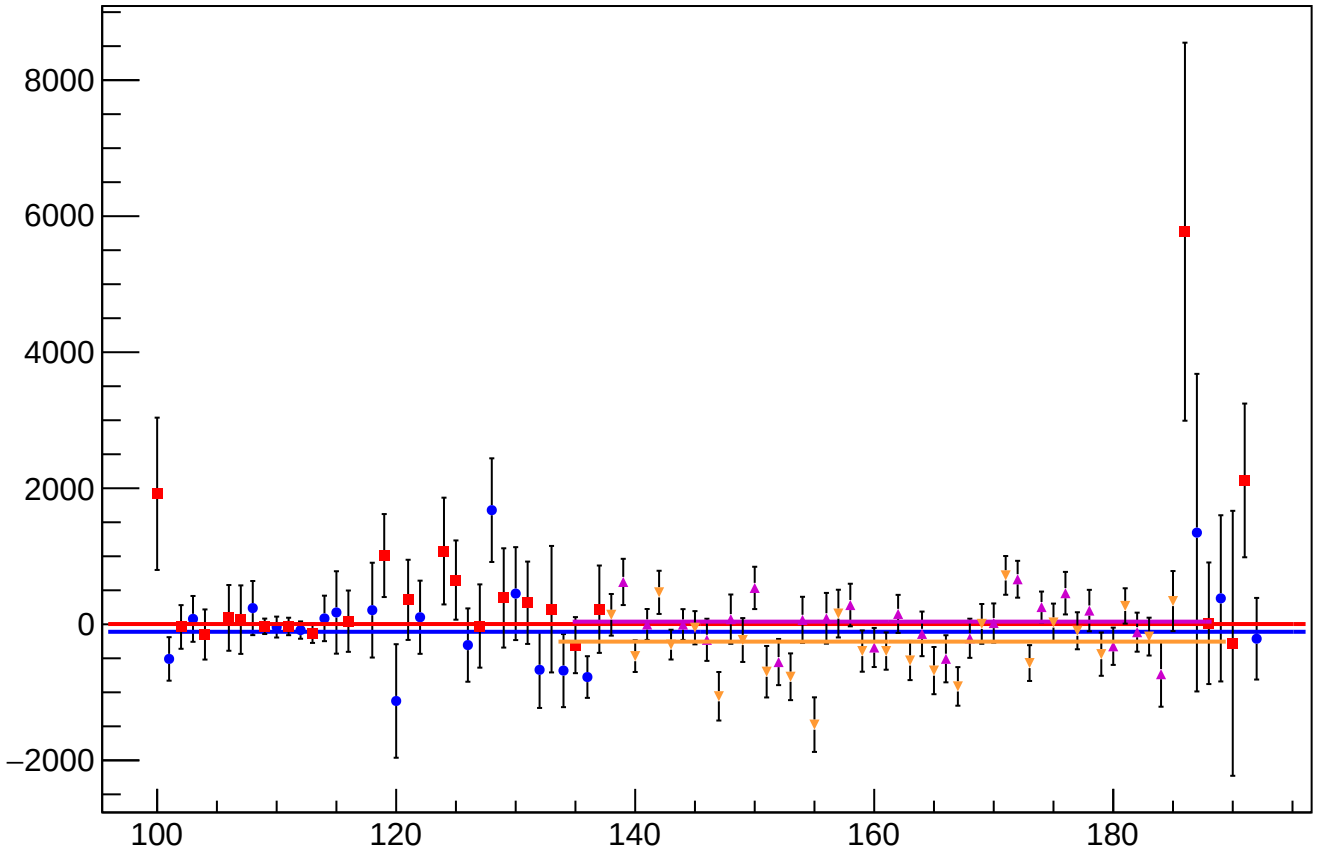
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 63.840+/-0.011 χ^2/NDF: 1219780.5/41

In: 60.172+/-0.008 χ^2/NDF:781888.6/41

Out: 60.271+/-0.008 χ^2/NDF:1377257.6/47

All: 60.223+/-0.006 χ^2/NDF: 2159219.8/89



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: 3.994+/-63.768 χ^2/NDF: 19.5/22

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

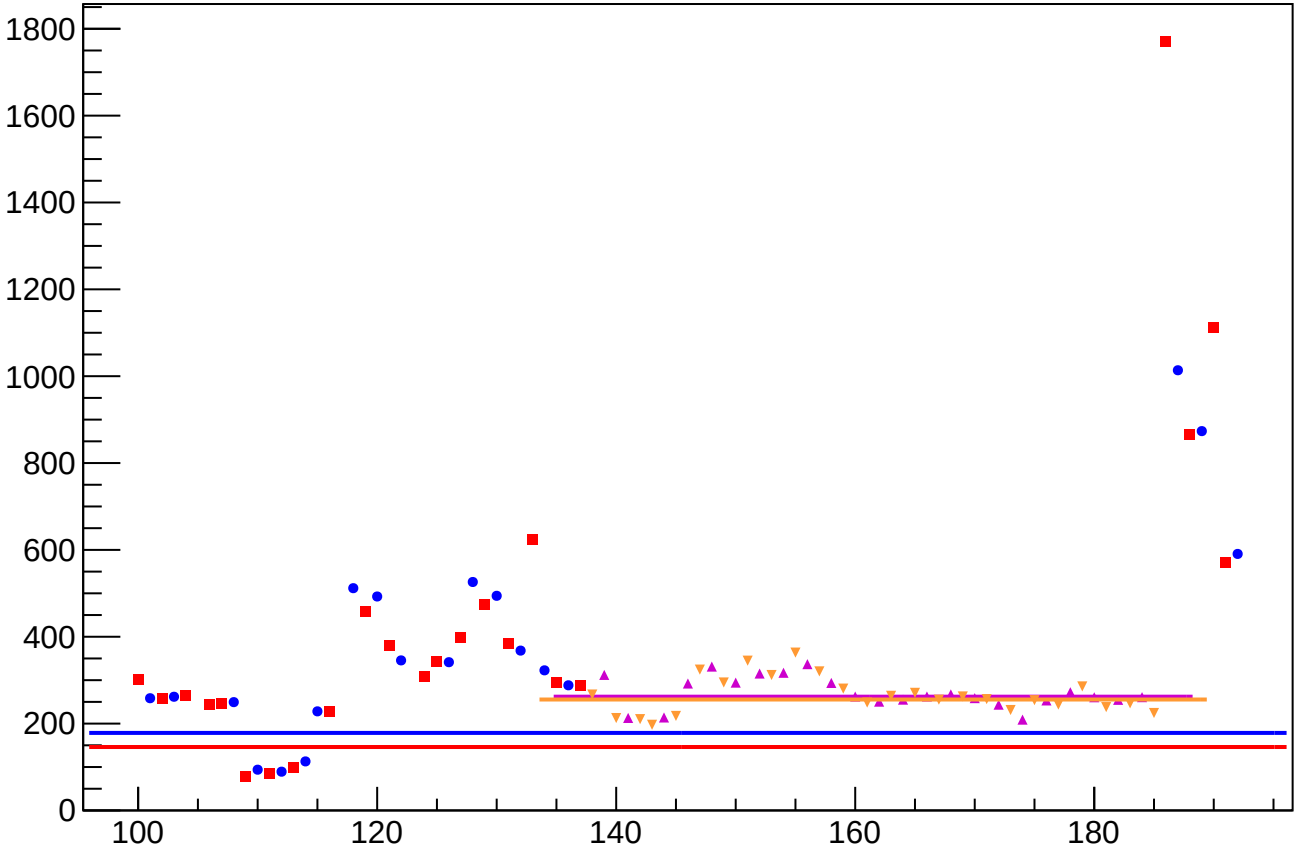
Right: -43.545+/-48.695 χ^2/NDF: 39.8/41

In: -20.882+/-47.840 χ^2/NDF:49.7/41

Out: -135.613+/-43.258 χ^2/NDF:86.0/47

All: -84.005+/-32.086 χ^2/NDF: 138.9/89

asym_sam8_cor_correction_rms vs Slug, Sign Corrected



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: 146.087+/-0.045 χ^2/NDF: 7912148.2/22

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

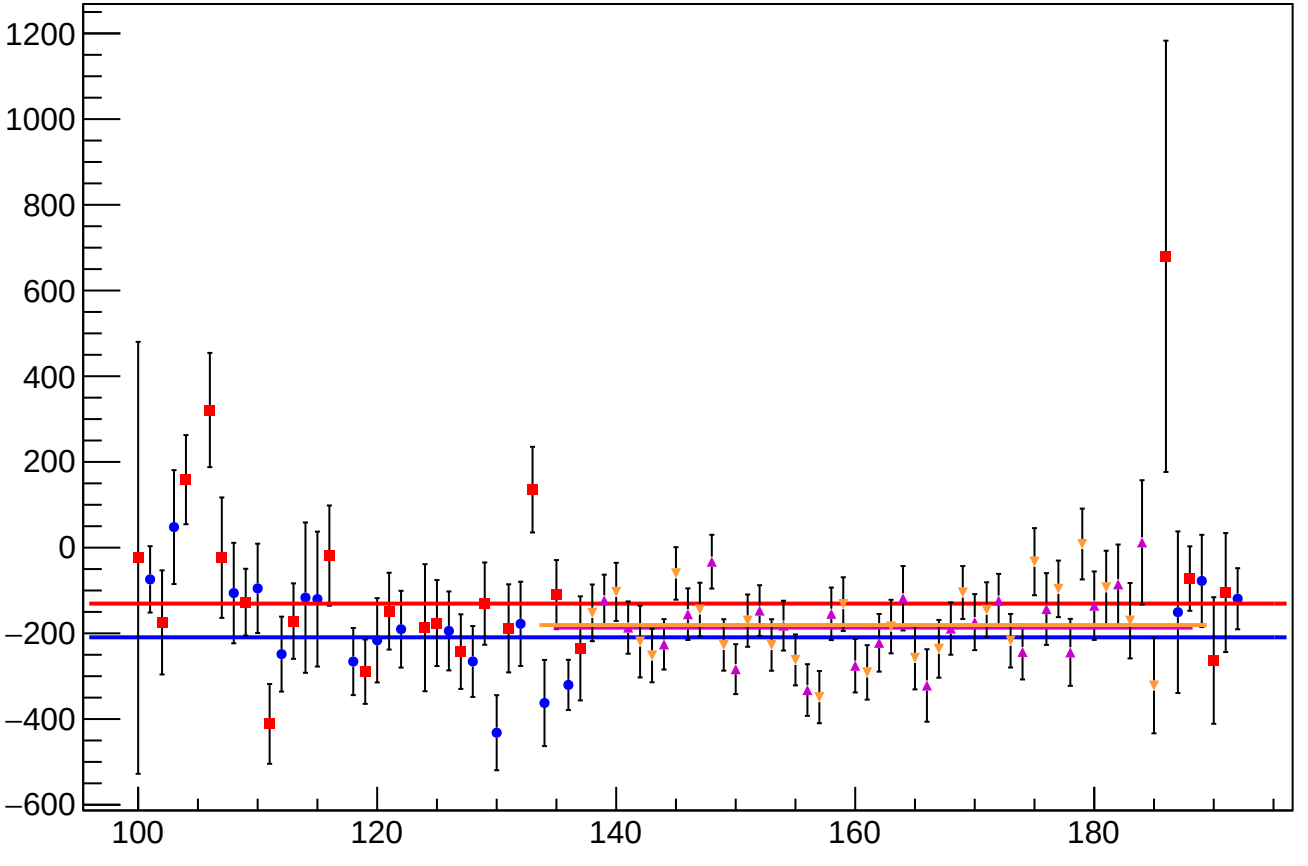
Right: 159.629+/-0.034 χ^2/NDF: 14555680.5/41

In: 228.438+/-0.034 χ^2/NDF:8560432.7/41

Out: 205.133+/-0.031 χ^2/NDF:11952682.7/47

All: 215.616+/-0.023 χ^2/NDF: 20774235.7/89

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: -130.578+/-21.638 χ^2/NDF: 49.0/22

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

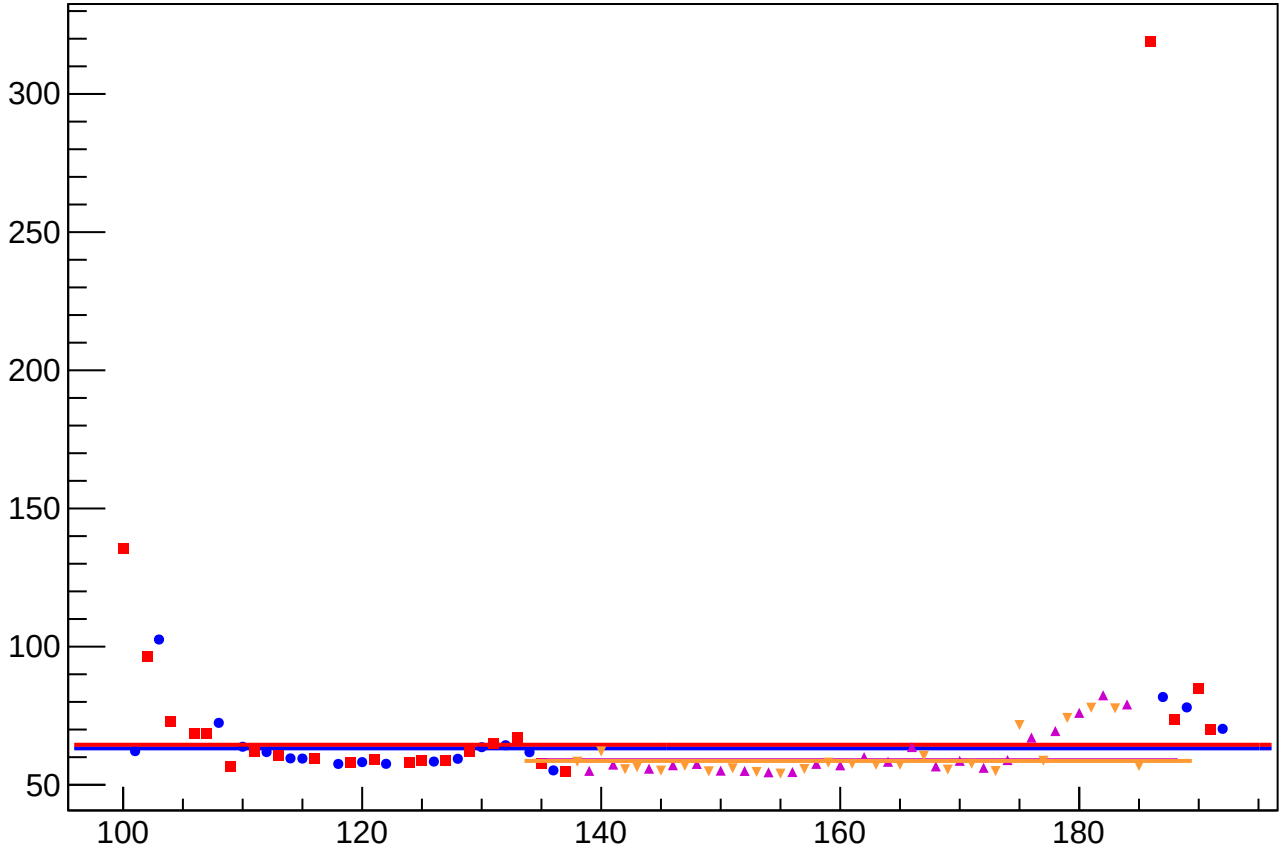
Right: -170.345+/-15.218 χ^2/NDF: 82.0/41

In: -193.272+/-11.634 χ^2/NDF:56.1/41

Out: -166.764+/-11.404 χ^2/NDF:91.4/47

All: -179.753+/-8.144 χ^2/NDF: 150.2/89

eigen_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: 64.502+/-0.015 χ^2/NDF: 877504.2/22

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

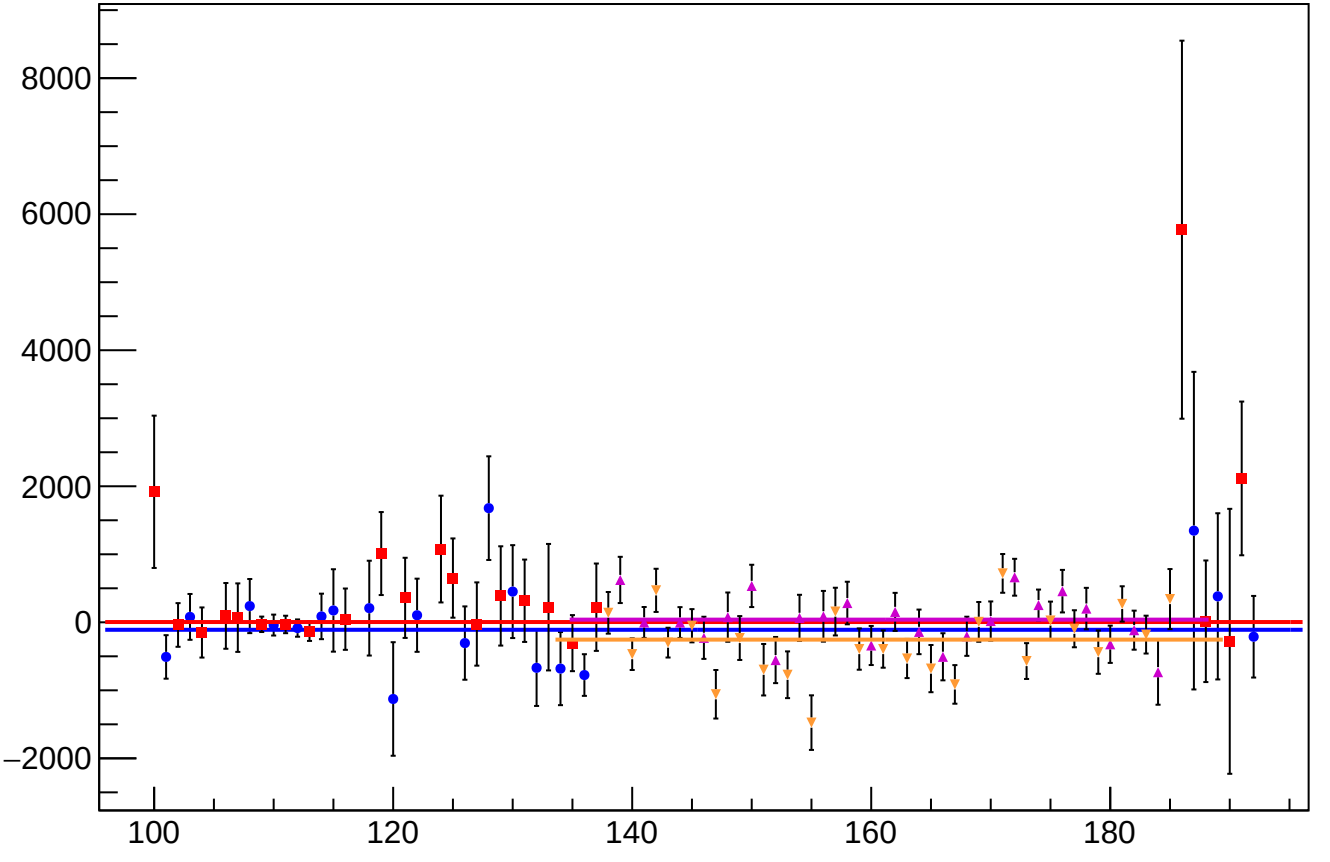
Right: 63.840+/-0.011 χ^2/NDF: 1219780.5/41

In: 60.172+/-0.008 χ^2/NDF:781888.6/41

Out: 60.271+/-0.008 χ^2/NDF:1377257.6/47

All: 60.223+/-0.006 χ^2/NDF: 2159219.8/89

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 3.994+/-63.768 χ^2/NDF: 19.5/22

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

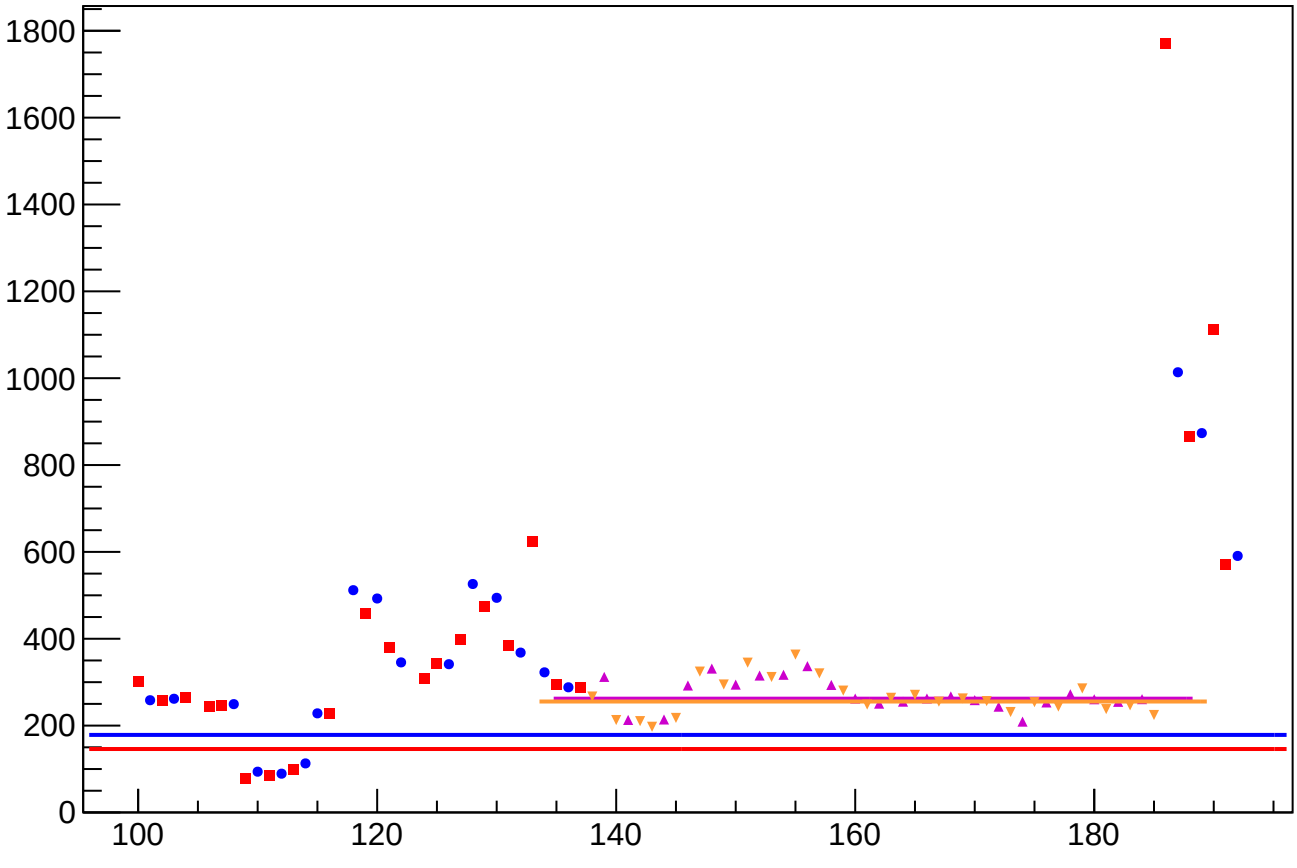
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -43.545+/-48.695 χ^2/NDF: 39.8/41

In: -20.882+/-47.840 χ^2/NDF:49.7/41

Out: -135.613+/-43.258 χ^2/NDF:86.0/47

All: -84.005+/-32.086 χ^2/NDF: 138.9/89



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: 146.087+/-0.045 χ^2/NDF: 7912148.2/22

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

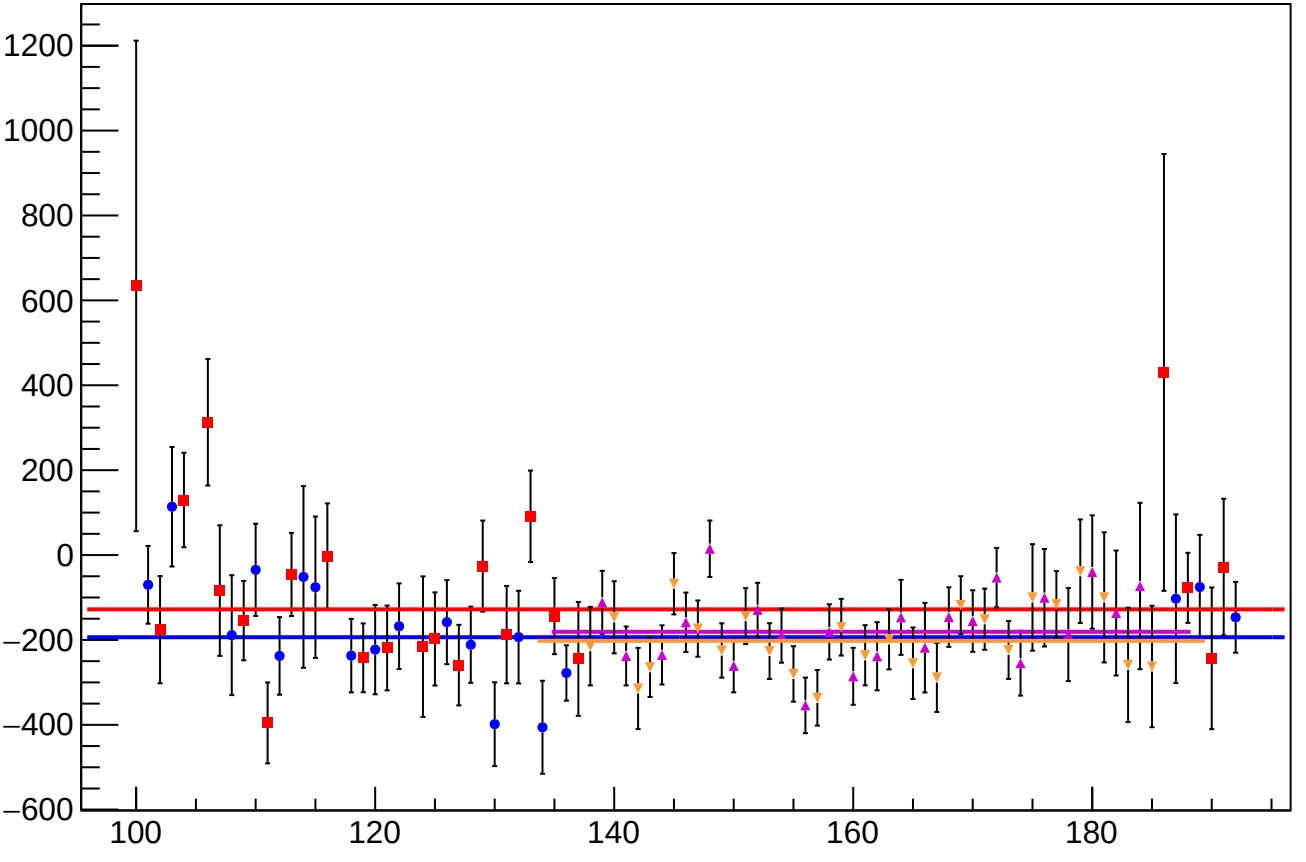
Right: 159.629+/-0.034 χ^2/NDF: 14555680.5/41

In: 228.438+/-0.034 χ^2/NDF:8560432.7/41

Out: 205.133+/-0.031 χ^2/NDF:11952682.7/47

All: 215.616+/-0.023 χ^2/NDF: 20774235.7/89

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: -127.917+/-23.803 χ^2/NDF: 39.7/22

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

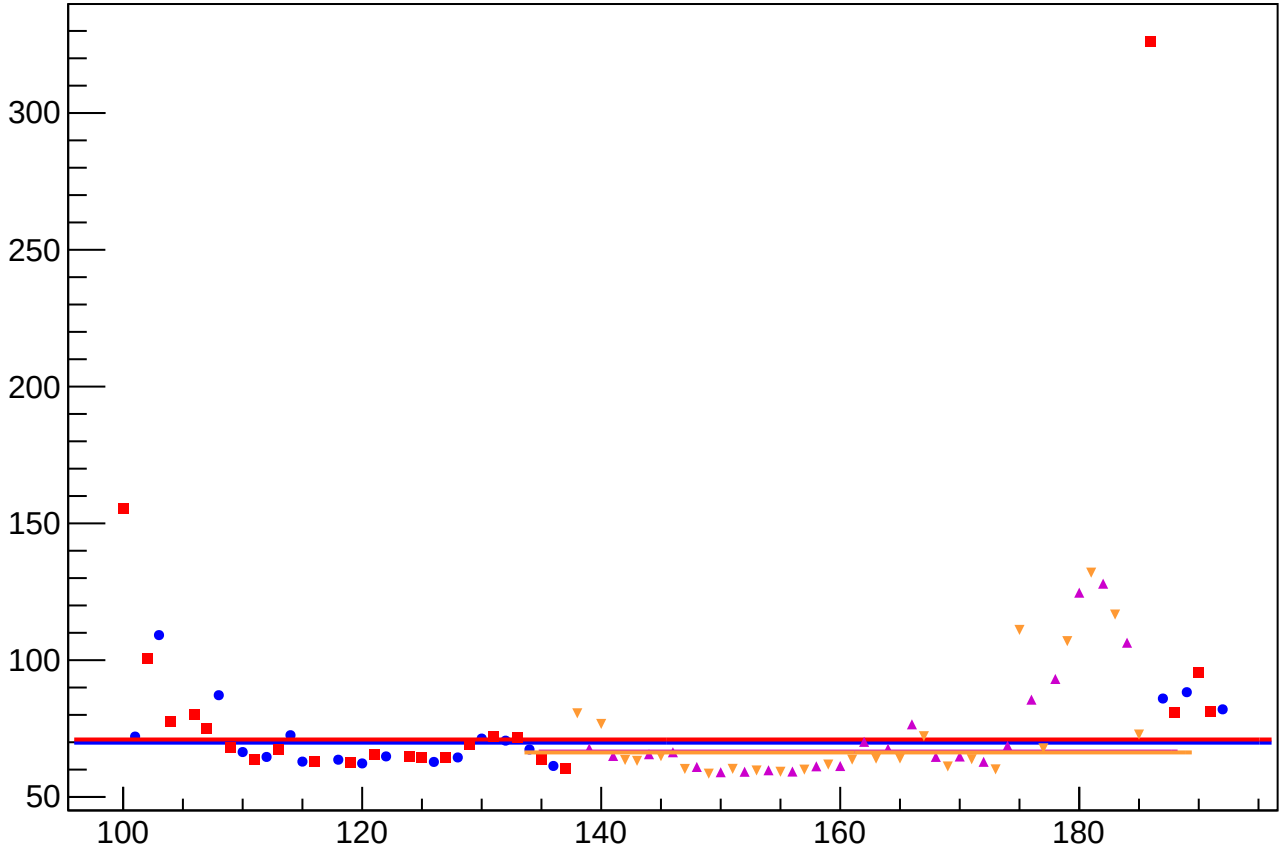
Right: -160.799+/-16.819 χ^2/NDF: 65.2/41

In: -184.781+/-13.283 χ^2/NDF:52.0/41

Out: -179.928+/-13.011 χ^2/NDF:68.0/47

All: -182.304+/-9.295 χ^2/NDF: 120.1/89

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: 71.006+/-0.017 χ^2/NDF: 835817.4/22

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

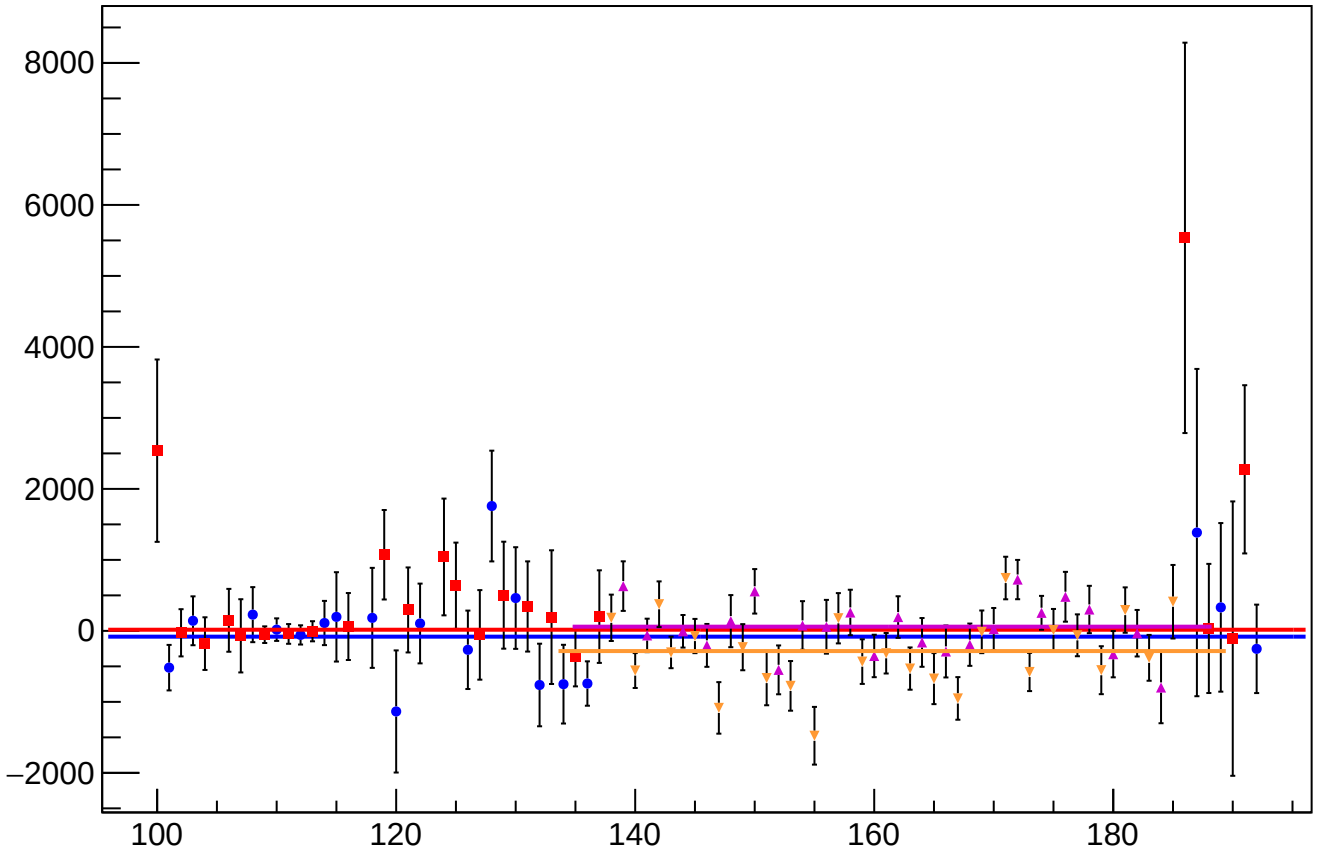
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 70.427+/-0.012 χ^2/NDF: 1217626.3/41

In: 67.605+/-0.009 χ^2/NDF:1563626.6/41

Out: 67.691+/-0.009 χ^2/NDF:2284994.4/47

All: 67.649+/-0.007 χ^2/NDF: 3848664.0/89



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: 16.176+/-65.580 χ^2/NDF: 19.7/22

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

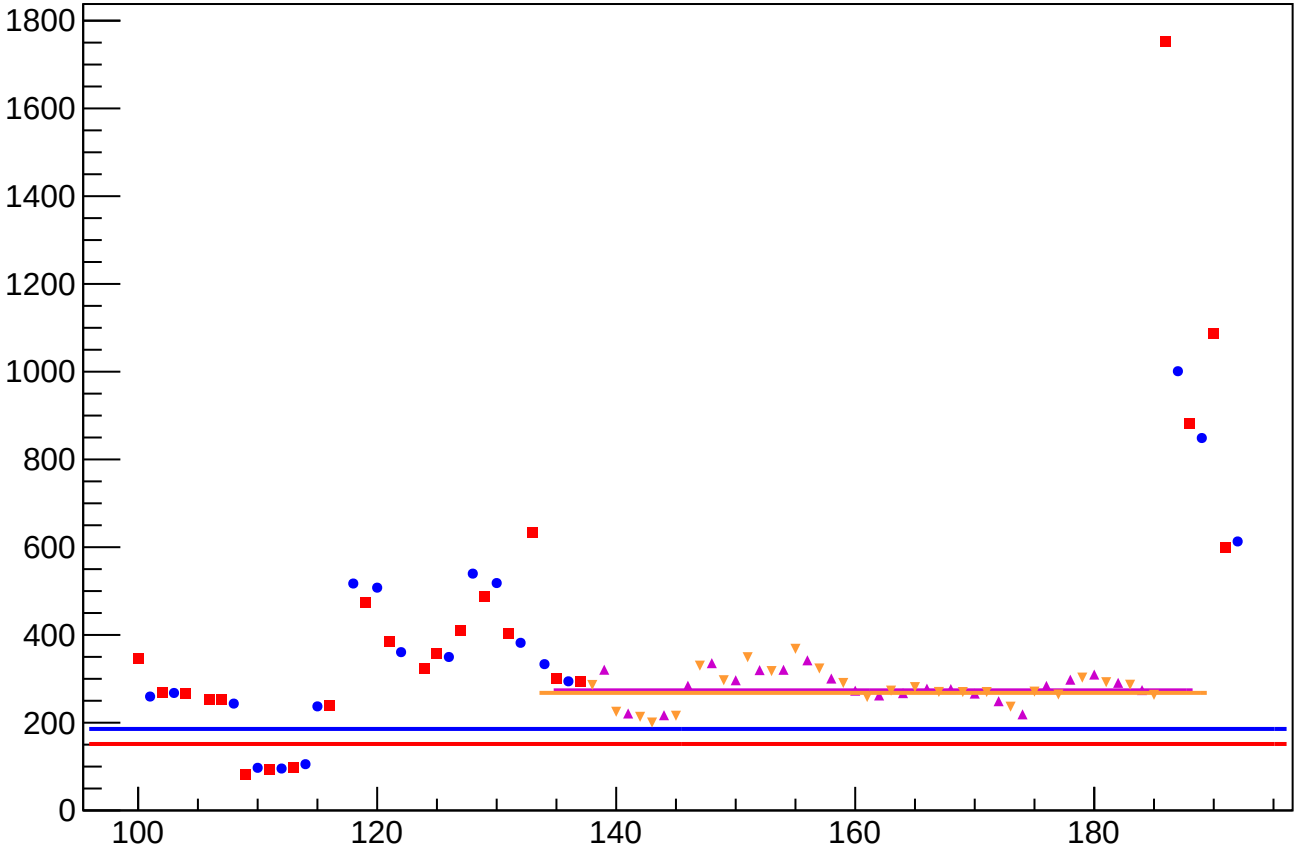
Right: -24.350+/-50.154 χ^2/NDF: 40.5/41

In: 1.779+/-49.728 χ^2/NDF:48.6/41

Out: -143.227+/-44.948 χ^2/NDF:85.5/47

All: -78.026+/-33.345 χ^2/NDF: 138.8/89

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: 151.510+/-0.046 χ^2/NDF: 7881846.5/22

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

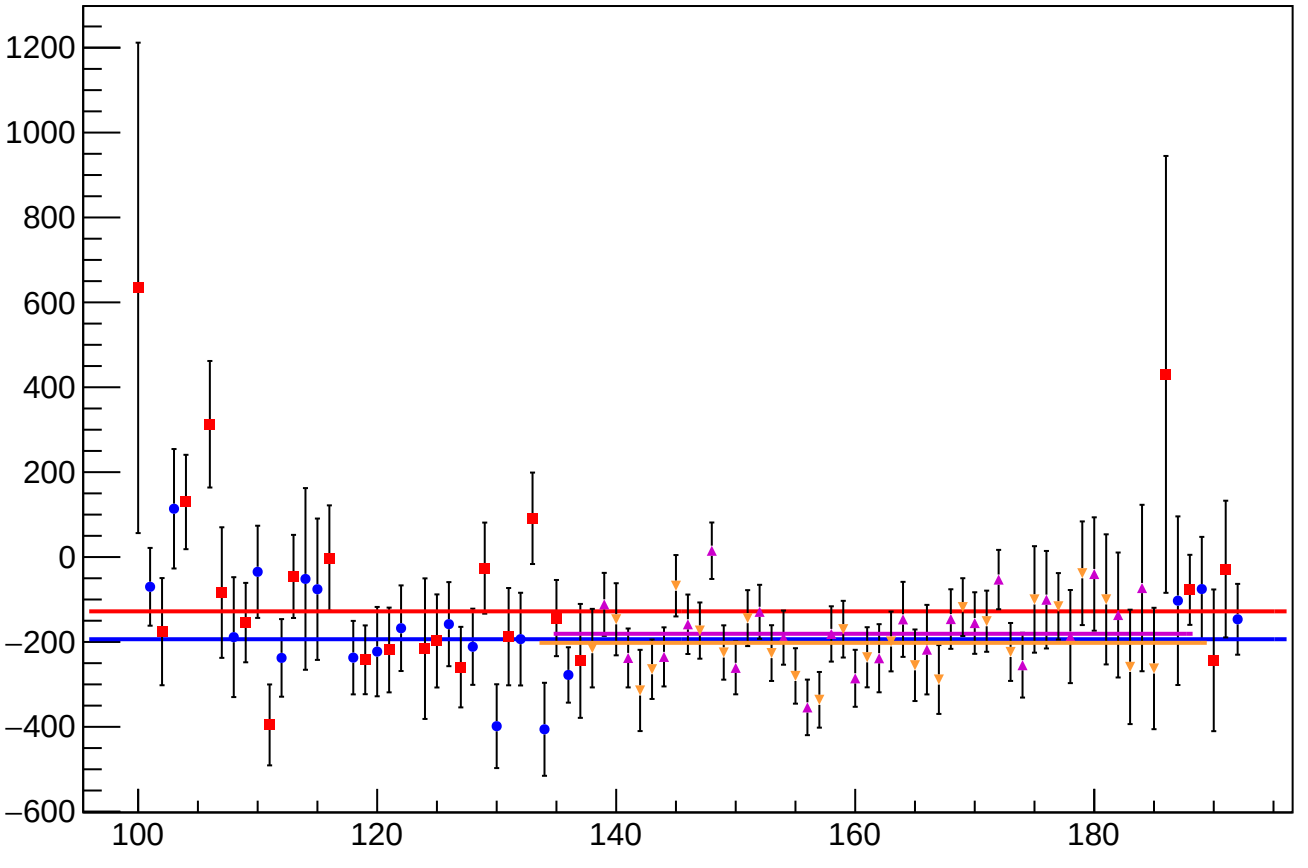
Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

Right: 165.734+/-0.035 χ^2/NDF: 14389202.1/41

In: 237.848+/-0.035 χ^2/NDF:8443010.2/41

Out: 213.270+/-0.032 χ^2/NDF:12089840.4/47

All: 224.321+/-0.024 χ^2/NDF: 20801754.8/89



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: -127.918+/-23.803 χ^2/NDF: 39.7/22

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

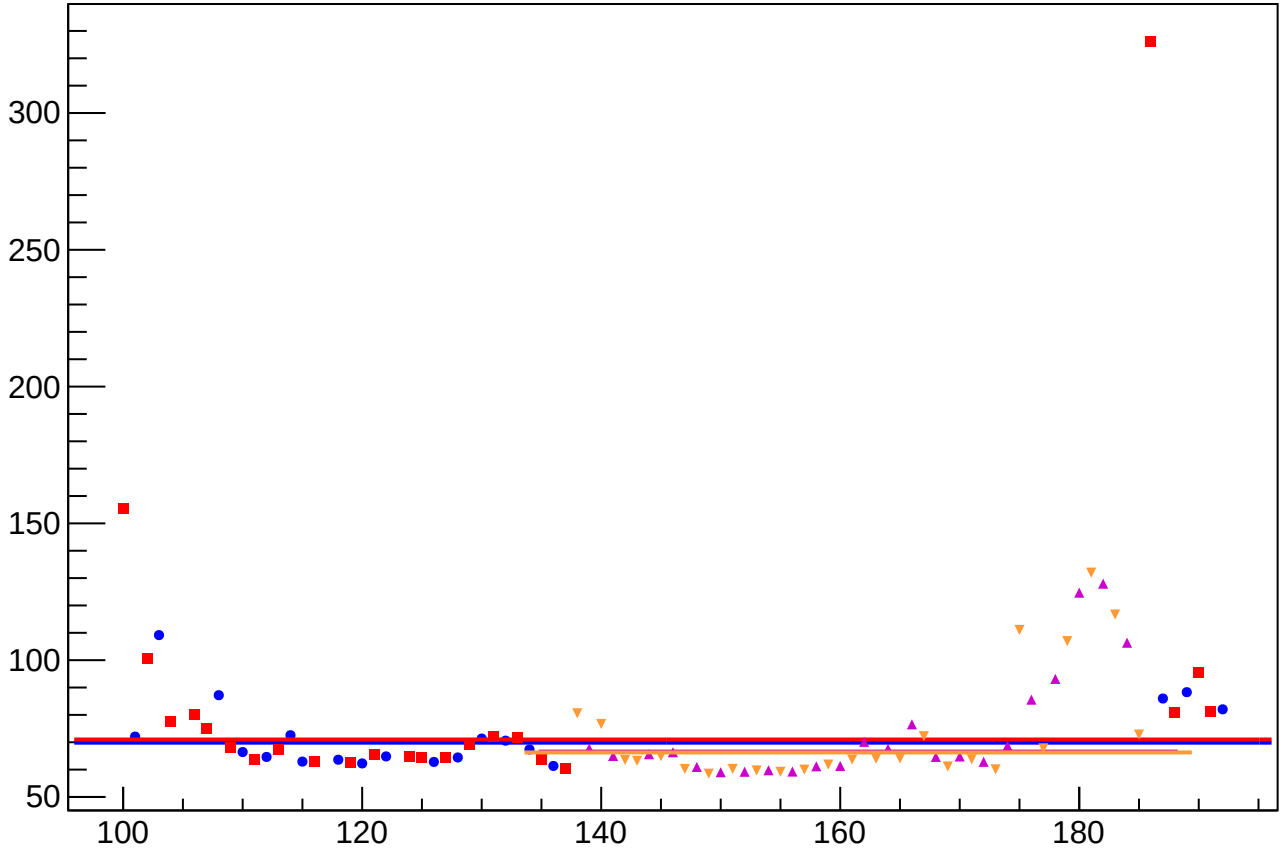
Right: -160.799+/-16.819 χ^2/NDF: 65.2/41

In: -184.782+/-13.283 χ^2/NDF:52.0/41

Out: -179.928+/-13.011 χ^2/NDF:68.0/47

All: -182.305+/-9.295 χ^2/NDF: 120.1/89

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: 71.005+/-0.017 χ^2/NDF: 835818.2/22

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

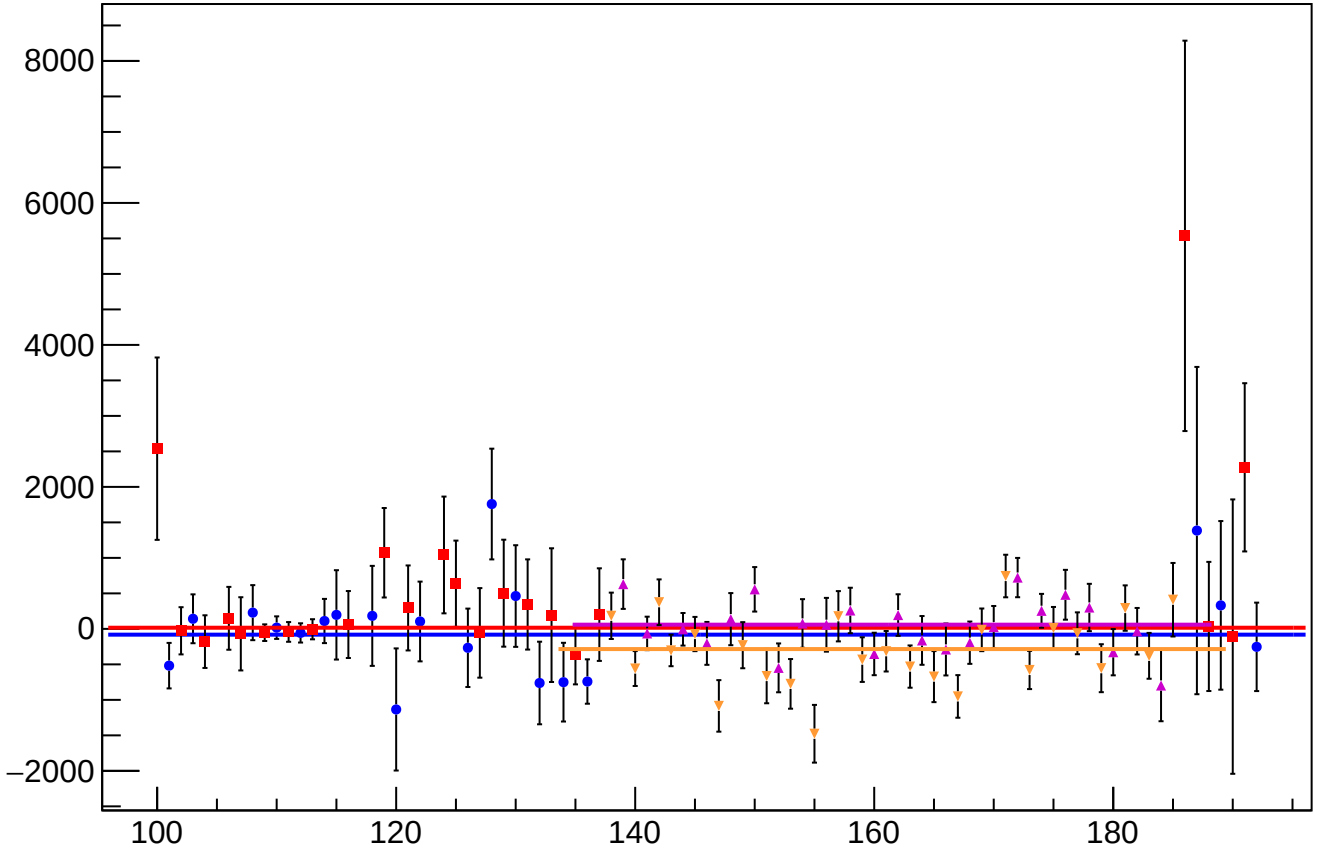
Right: 70.426+/-0.012 χ^2/NDF: 1217628.6/41

In: 67.605+/-0.009 χ^2/NDF:1563618.7/41

Out: 67.691+/-0.009 χ^2/NDF:2284991.7/47

All: 67.649+/-0.007 χ^2/NDF: 3848653.3/89

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 16.175+/-65.580 χ^2/NDF: 19.7/22

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

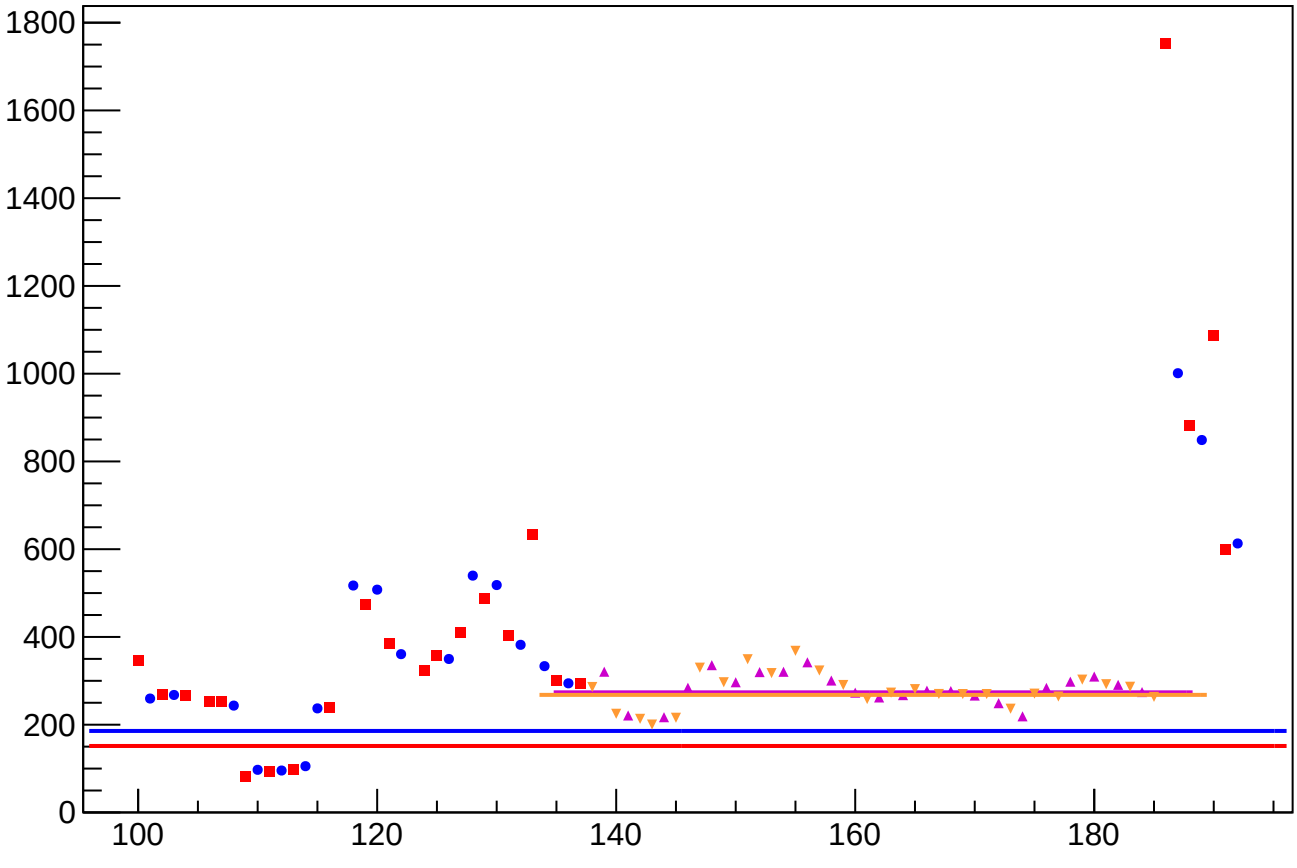
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -24.350+/-50.154 χ^2/NDF: 40.5/41

In: 1.779+/-49.728 χ^2/NDF:48.6/41

Out: -143.228+/-44.948 χ^2/NDF:85.5/47

All: -78.026+/-33.345 χ^2/NDF: 138.8/89



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: 151.509+/-0.046 χ^2/NDF: 7881826.2/22

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

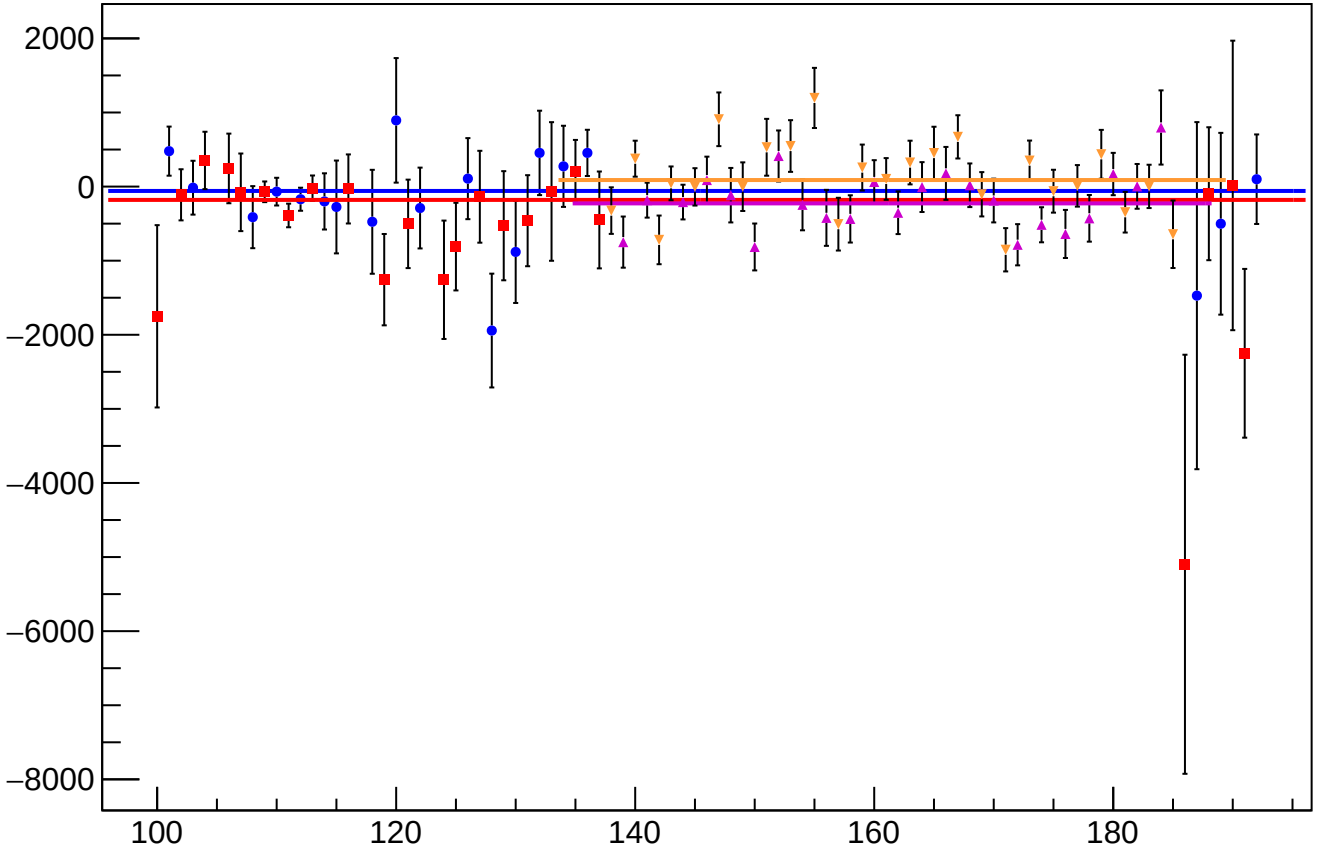
Right: 165.733+/-0.035 χ^2/NDF: 14389196.6/41

In: 237.847+/-0.035 χ^2/NDF:8443076.6/41

Out: 213.269+/-0.032 χ^2/NDF:12089813.5/47

All: 224.320+/-0.024 χ^2/NDF: 20801782.0/89

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: -179.763+/-74.104 χ^2/NDF: 21.9/22

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

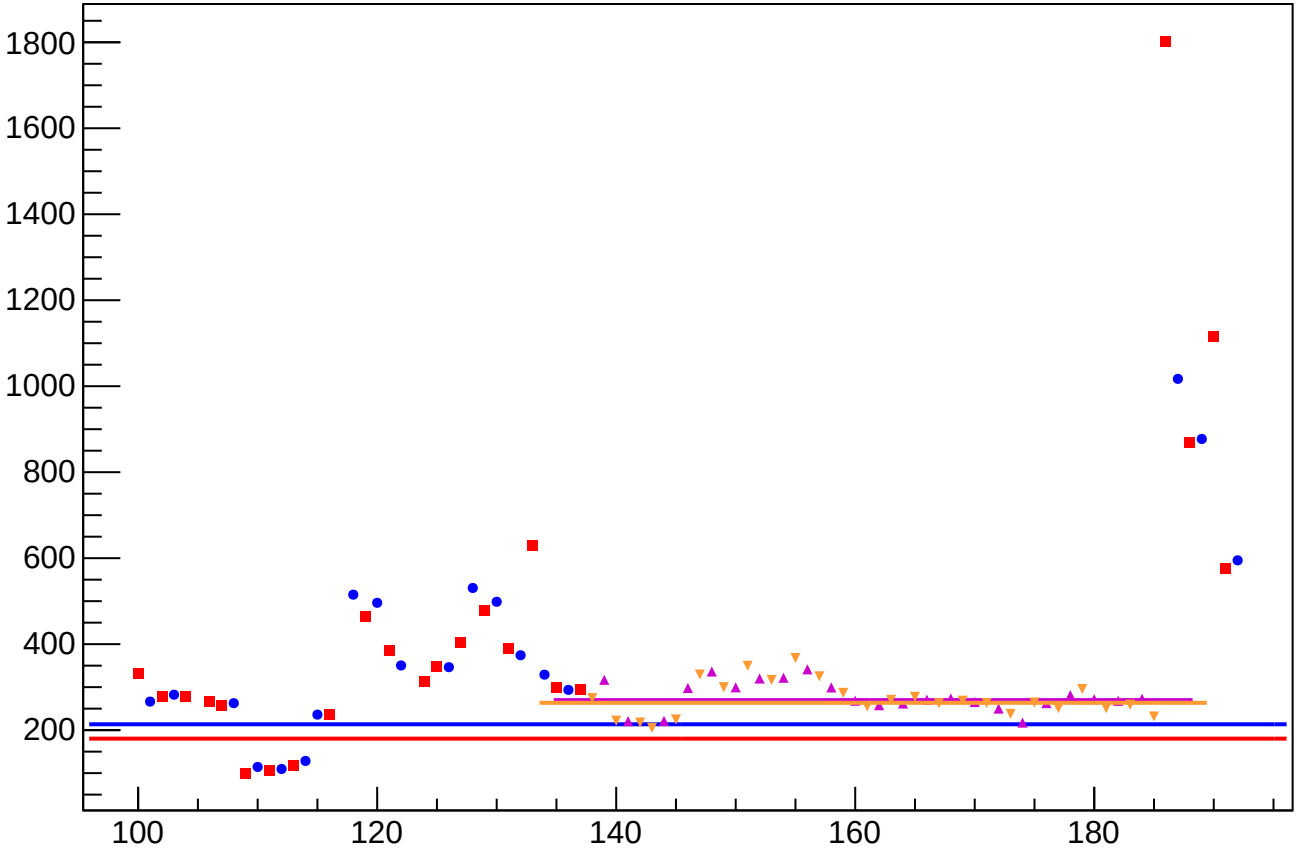
Right: -128.065+/-56.065 χ^2/NDF: 40.9/41

In: -167.140+/-51.120 χ^2/NDF:49.3/41

Out: -19.207+/-46.942 χ^2/NDF:81.9/47

All: -86.882+/-34.576 χ^2/NDF: 135.7/89

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: 180.211+/-0.052 χ^2/NDF: 6761227.6/22

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

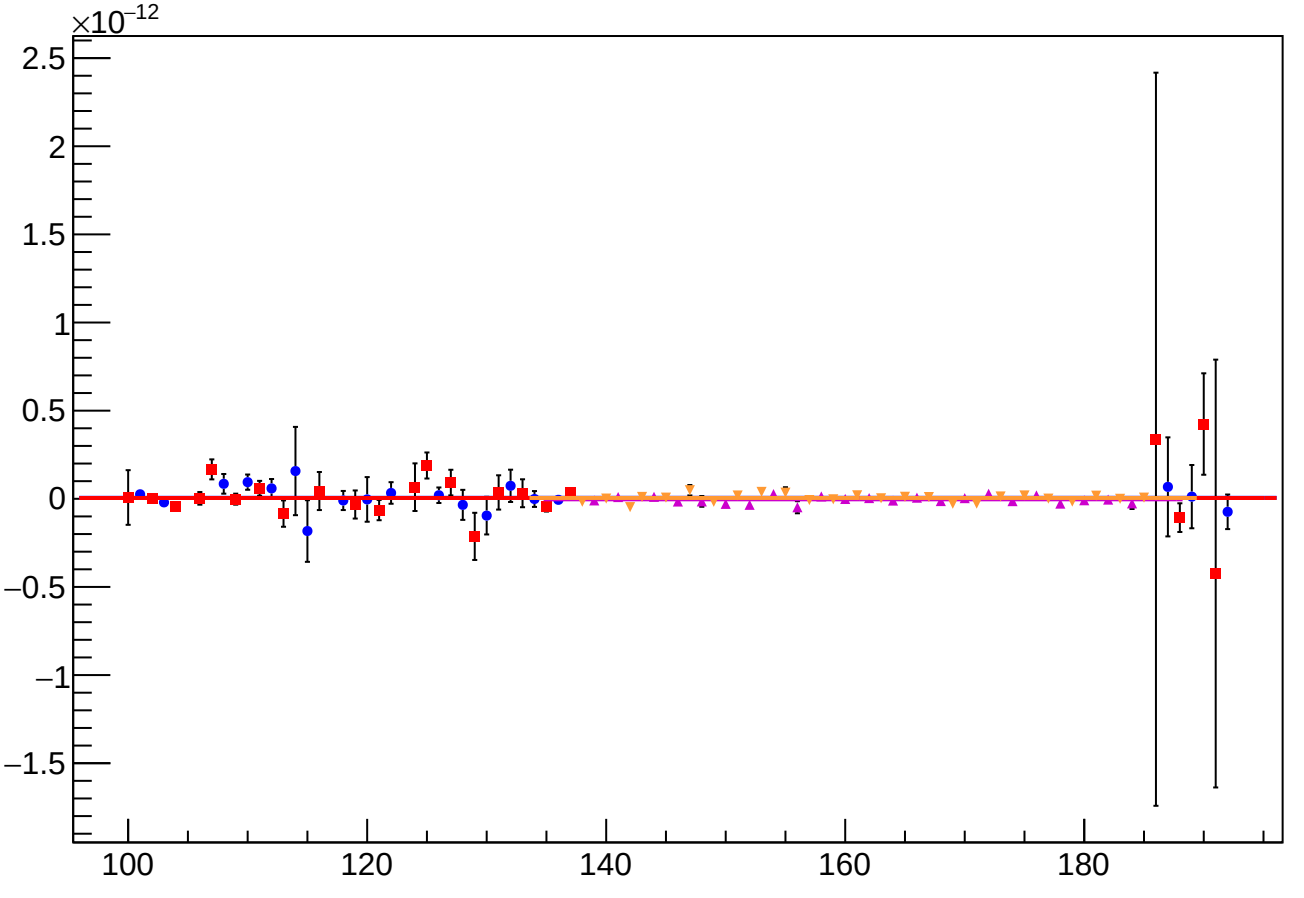
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 194.497+/-0.040 χ^2/NDF: 12164654.5/41

In: 249.891+/-0.036 χ^2/NDF:6387174.4/41

Out: 230.134+/-0.033 χ^2/NDF:9057134.6/47

All: 239.173+/-0.024 χ^2/NDF: 15606382.7/89



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: 34.7/22

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

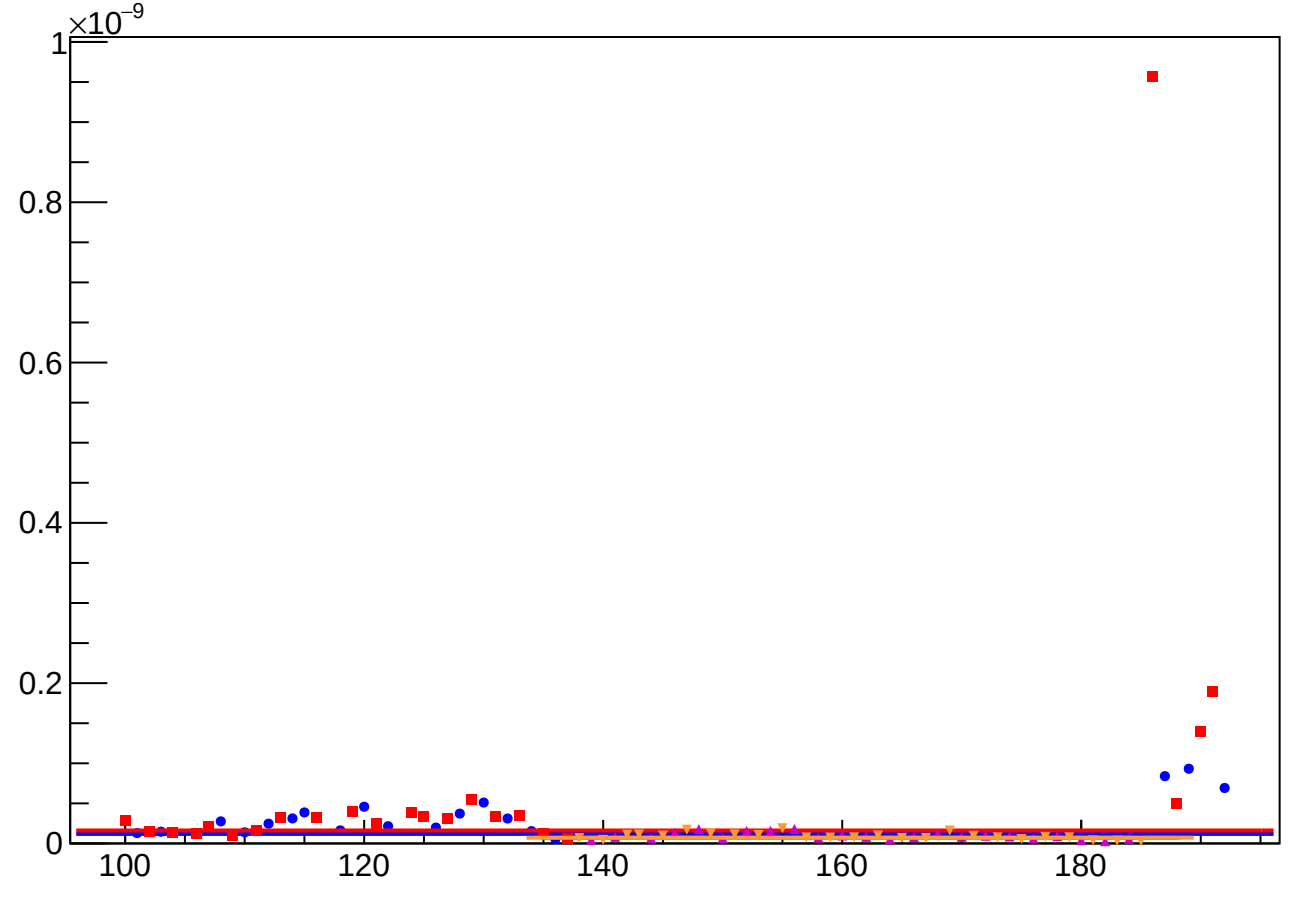
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 49.2/41

In: -0.000+/-0.000 χ^2/NDF:37.0/41

Out: 0.000+/-0.000 χ^2/NDF:62.6/47

All: 0.000+/-0.000 χ^2/NDF: 102.1/89



Right In: 0.000+/-0.000 χ^2/NDF: 3024193.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2619760.2/22

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

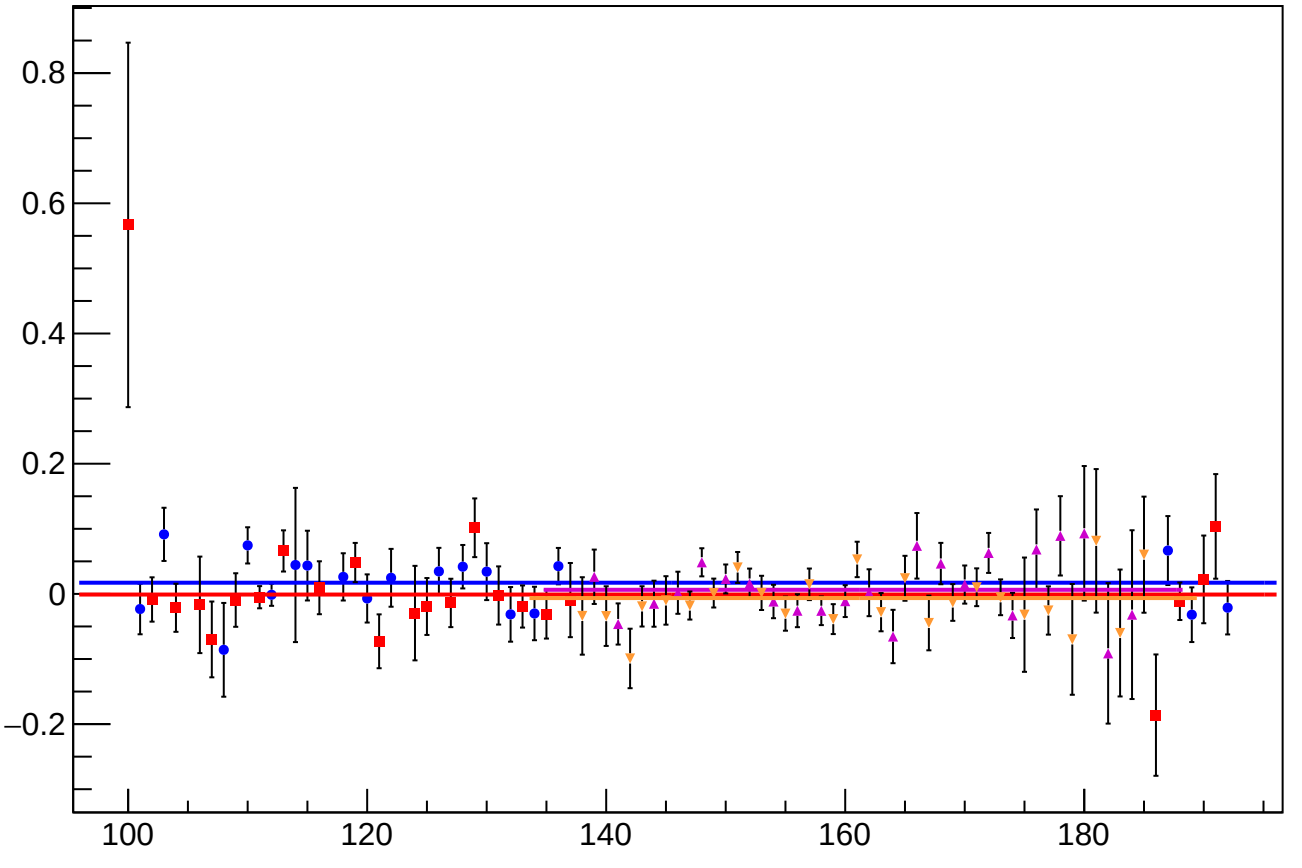
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 5855932.3/41

In: 0.000+/-0.000 χ^2/NDF:5688477.5/41

Out: 0.000+/-0.000 χ^2/NDF:6042093.2/47

All: 0.000+/-0.000 χ^2/NDF: 11734350.0/89



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: 28.8/22

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

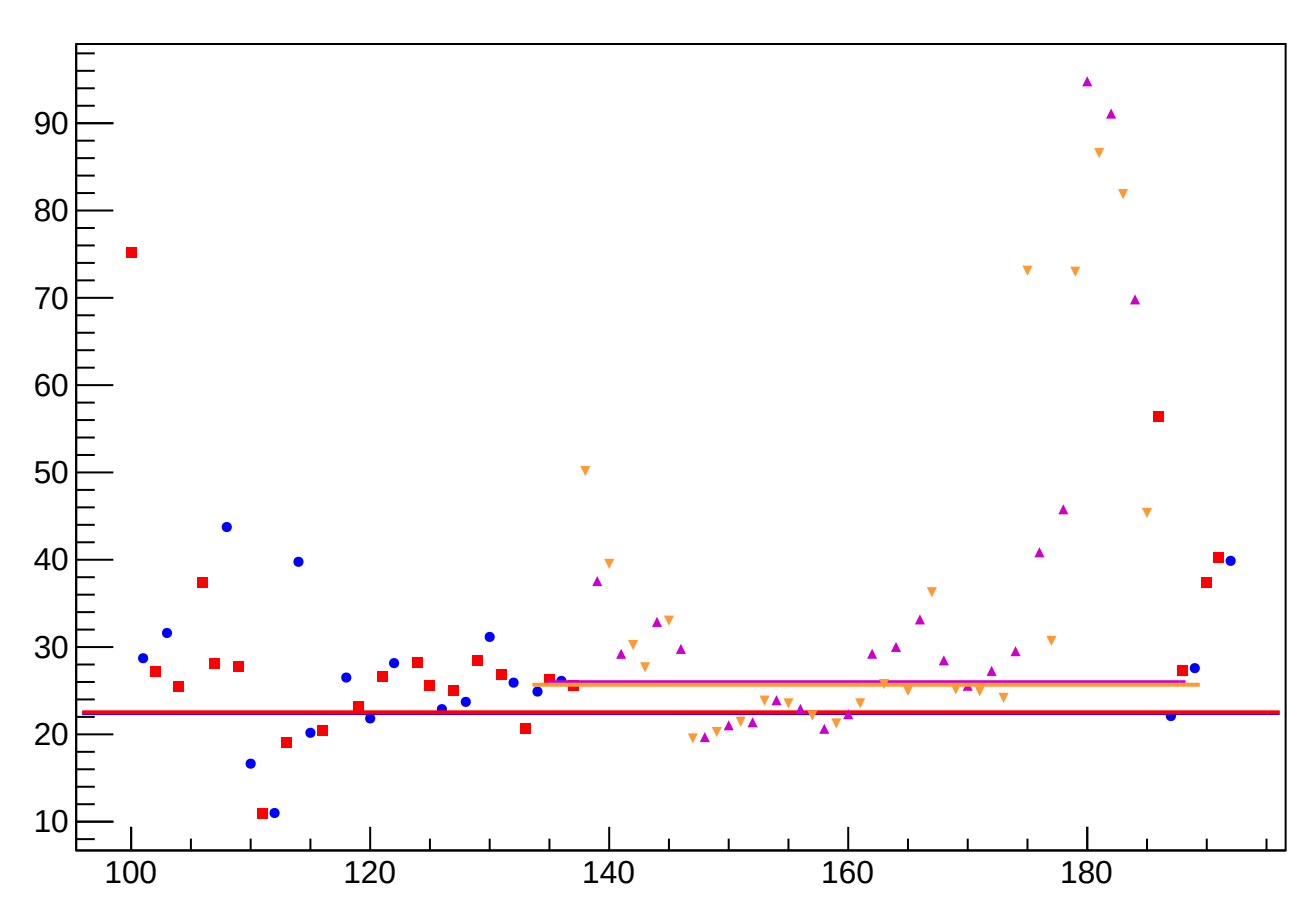
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.008+/-0.006 χ^2/NDF: 51.5/41

In: 0.011+/-0.005 χ^2/NDF:49.7/41

Out: -0.004+/-0.005 χ^2/NDF:51.6/47

All: 0.003+/-0.004 χ^2/NDF: 105.6/89



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: 22.524+/-0.006 χ^2/NDF: 1861112.1/22

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

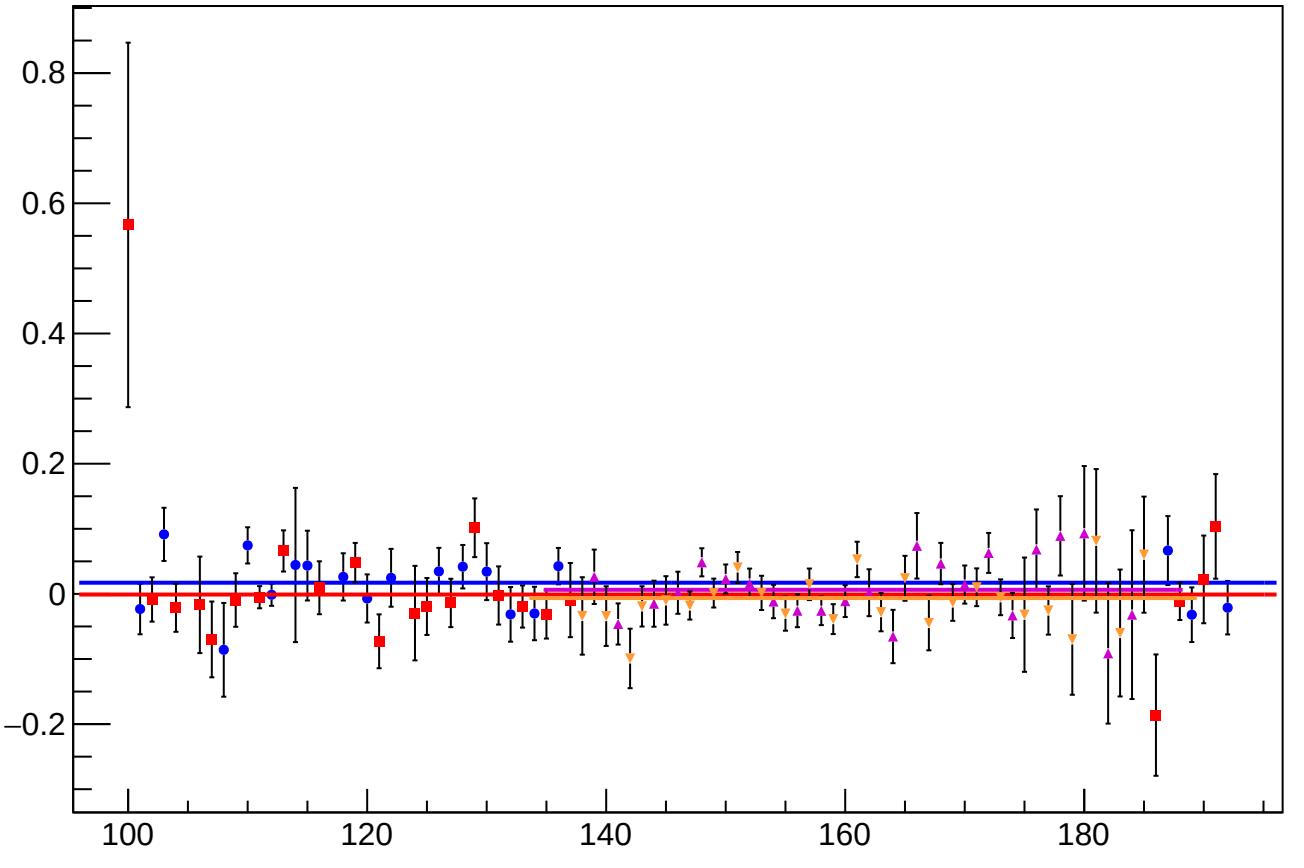
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 22.480+/-0.004 χ^2/NDF: 3818745.1/41

In: 24.580+/-0.004 χ^2/NDF:5300044.2/41

Out: 24.458+/-0.004 χ^2/NDF:5922354.4/47

All: 24.517+/-0.003 χ^2/NDF: 11222977.9/89



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: 28.8/22

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

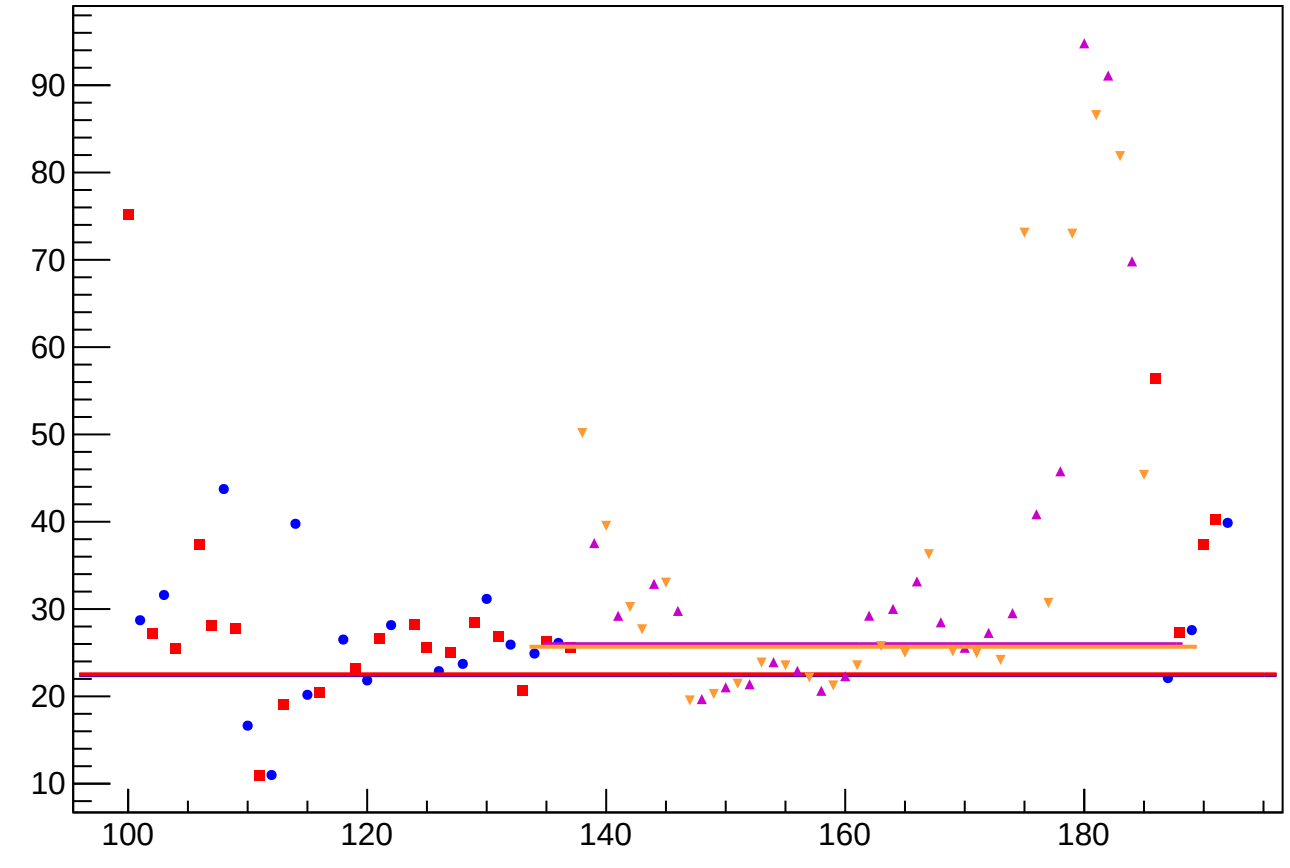
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.008+/-0.006 χ^2/NDF: 51.5/41

In: 0.011+/-0.005 χ^2/NDF:49.7/41

Out: -0.004+/-0.005 χ^2/NDF:51.6/47

All: 0.003+/-0.004 χ^2/NDF: 105.6/89



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: 22.524+/-0.006 χ^2/NDF: 1861112.1/22

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

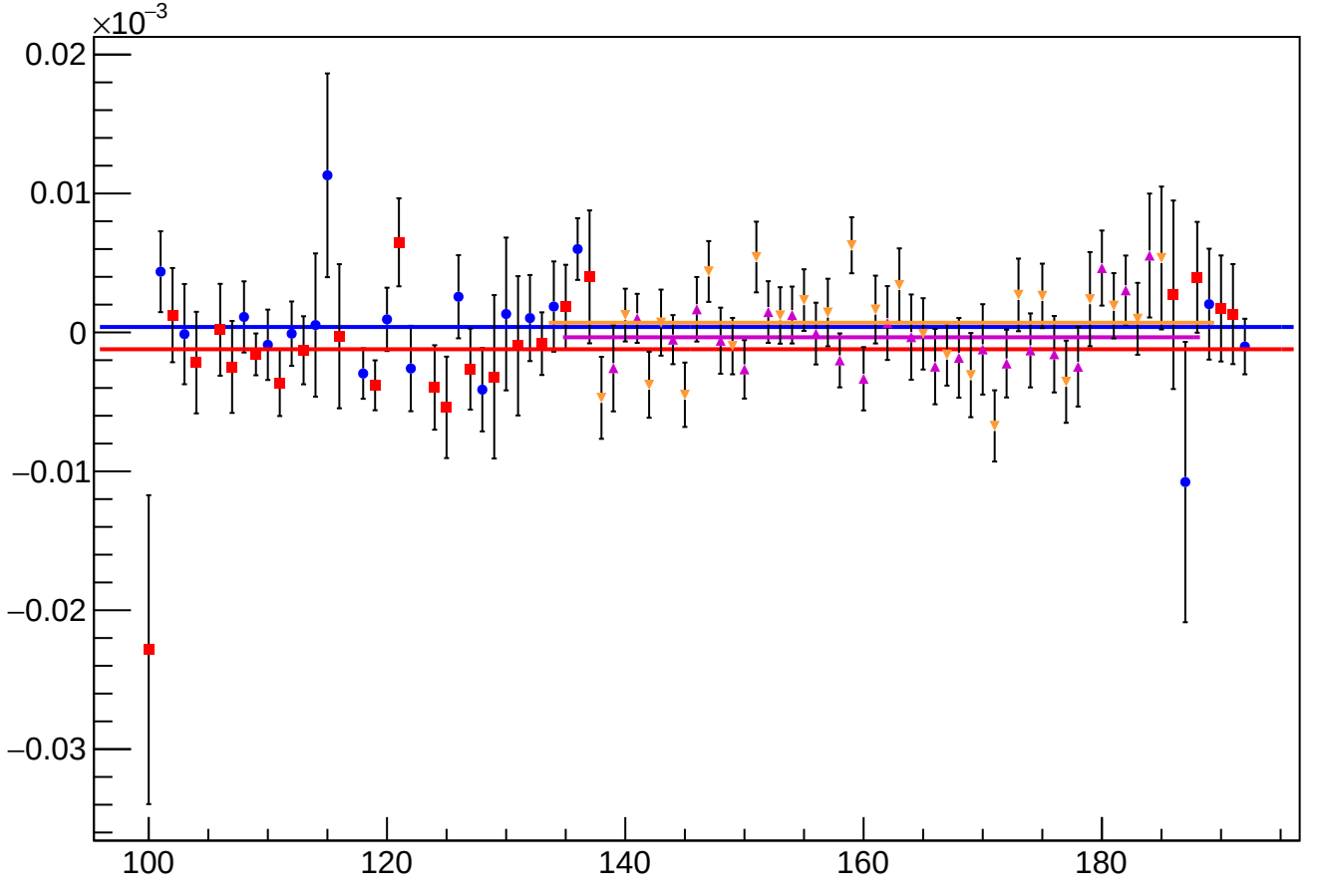
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 22.480+/-0.004 χ^2/NDF: 3818745.1/41

In: 24.580+/-0.004 χ^2/NDF:5300044.2/41

Out: 24.458+/-0.004 χ^2/NDF:5922354.4/47

All: 24.517+/-0.003 χ^2/NDF: 11222977.9/89



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: 21.7/22

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

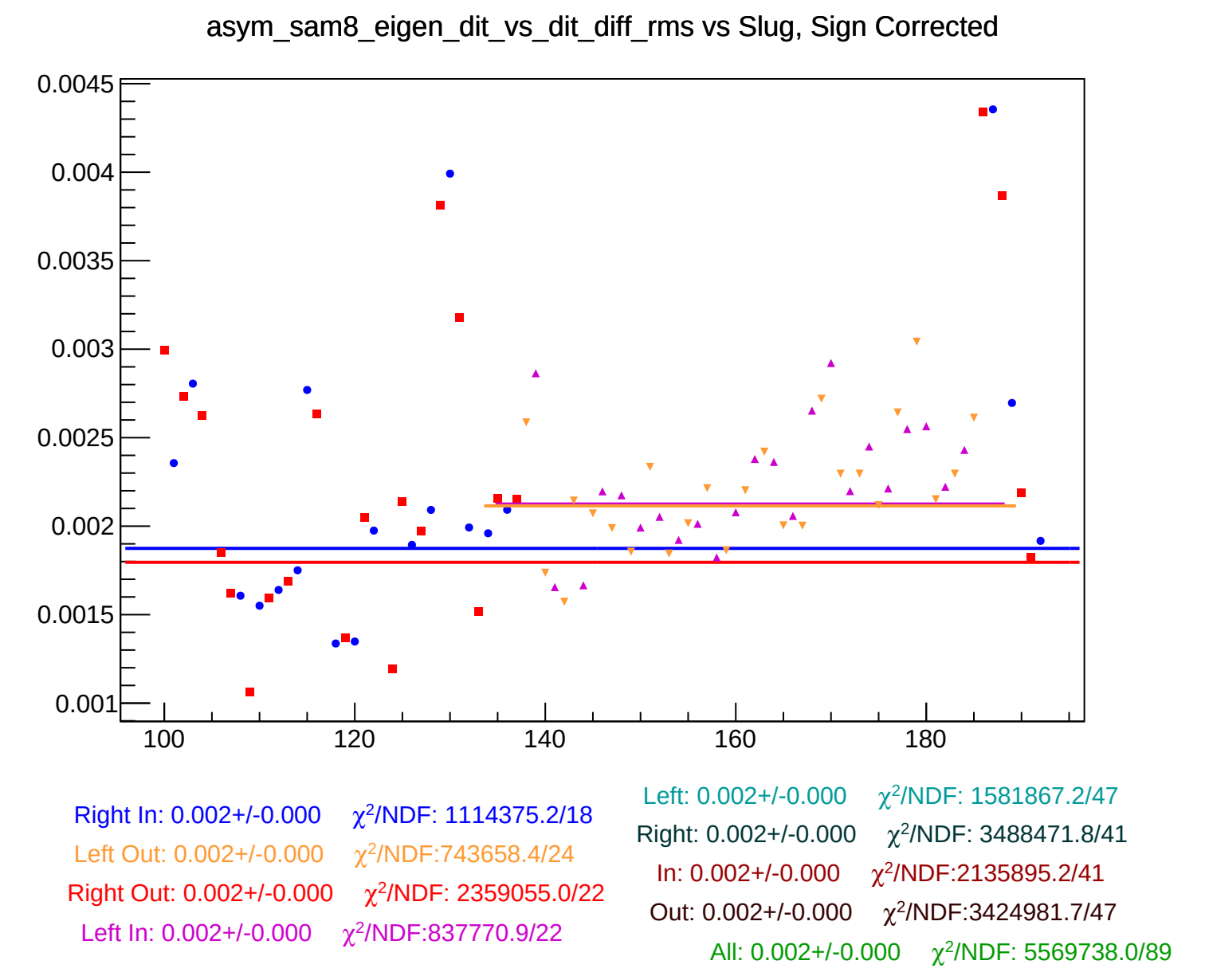
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

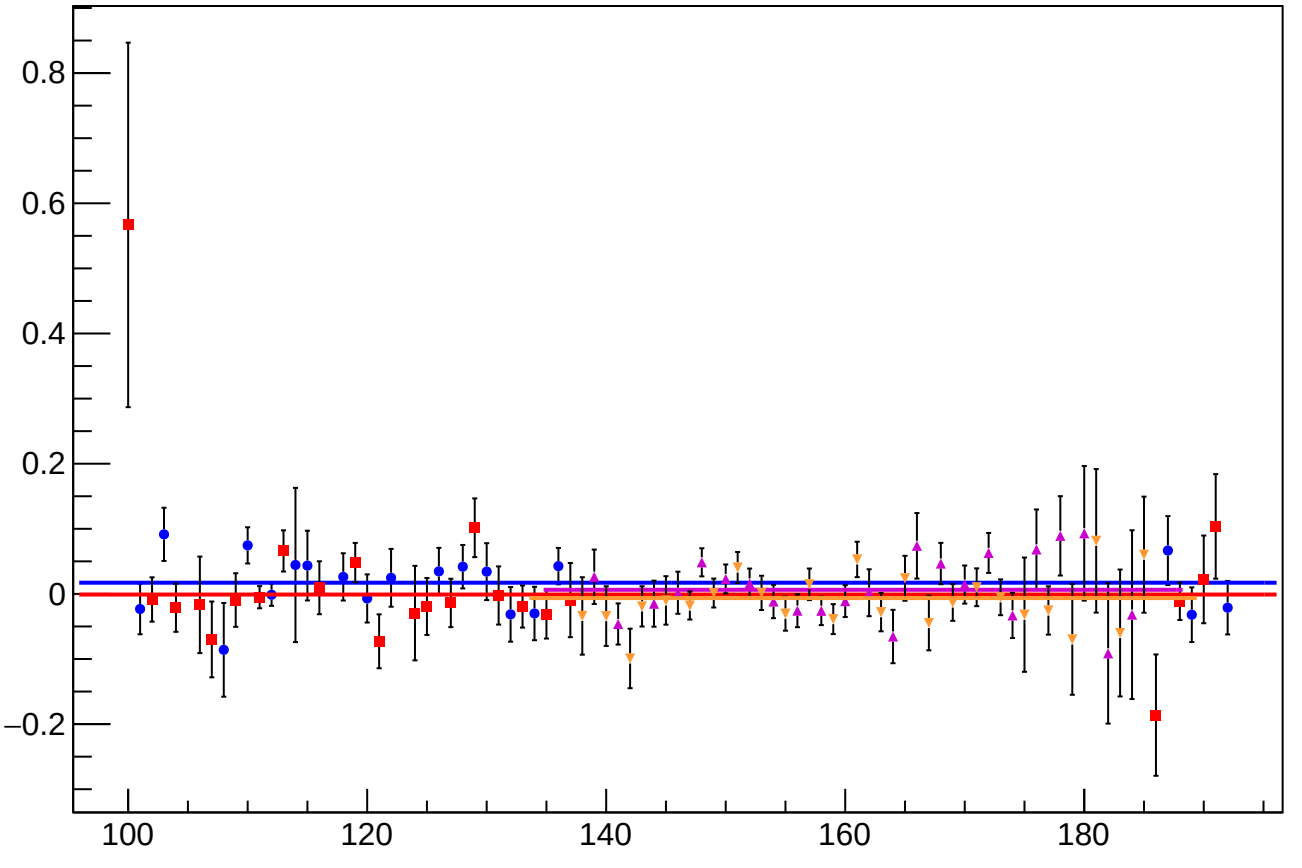
Right: -0.000+/-0.000 χ^2/NDF: 45.0/41

In: -0.000+/-0.000 χ^2/NDF:37.4/41

Out: -0.000+/-0.000 χ^2/NDF:71.8/47

All: -0.000+/-0.000 χ^2/NDF: 109.2/89


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
120
140
160
180
Right In: 0.002+/-0.000 χ²/NDF: 1114375.2/18
Left Out: 0.002+/-0.000 χ²/NDF:743658.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 2359055.0/22
Left In: 0.002+/-0.000 χ²/NDF:837770.9/22
Left: 0.002+/-0.000 χ²/NDF: 1581867.2/47
Right: 0.002+/-0.000 χ²/NDF: 3488471.8/41
In: 0.002+/-0.000 χ²/NDF:2135895.2/41
Out: 0.002+/-0.000 χ²/NDF:3424981.7/47
All: 0.002+/-0.000 χ²/NDF: 5569738.0/89



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: 28.8/22

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

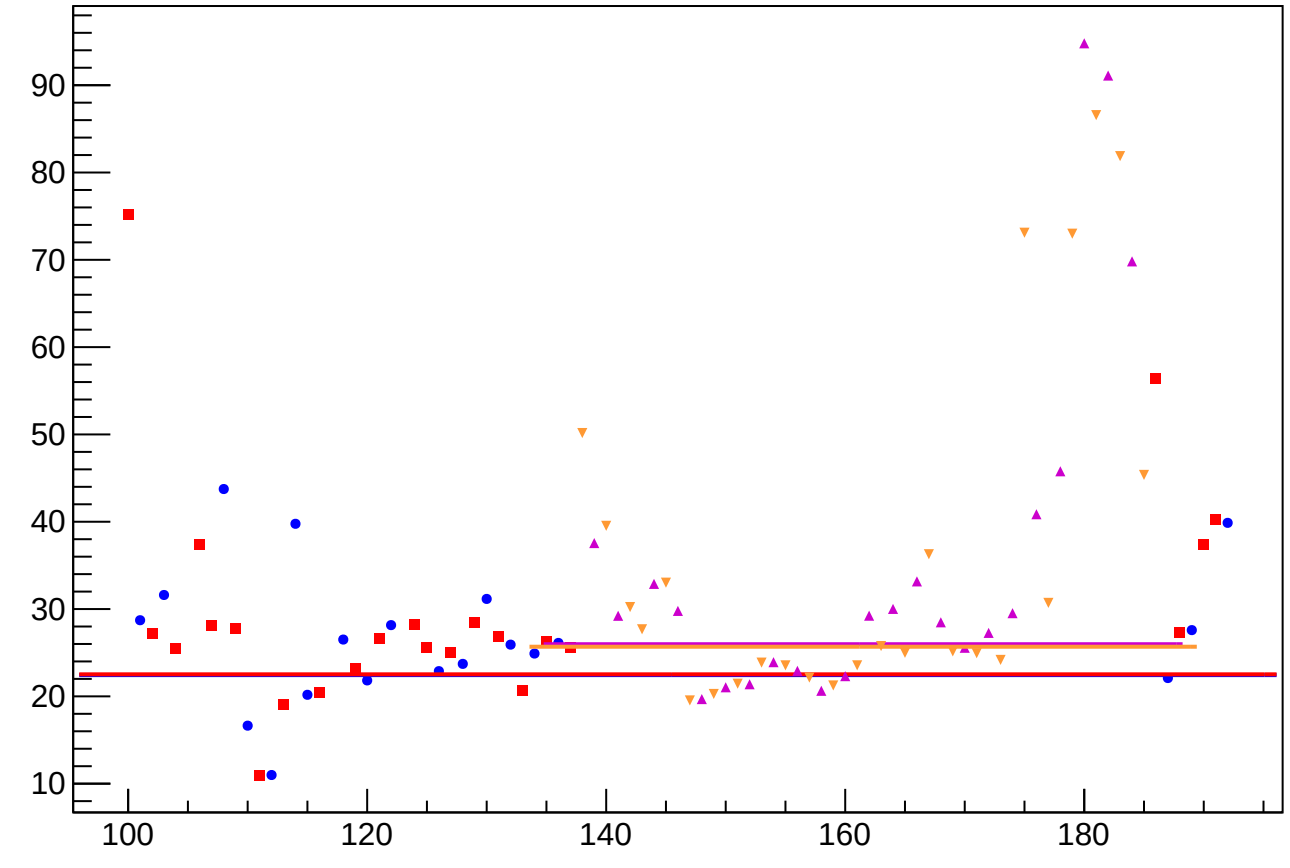
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.008+/-0.006 χ^2/NDF: 51.5/41

In: 0.011+/-0.005 χ^2/NDF:49.7/41

Out: -0.004+/-0.005 χ^2/NDF:51.6/47

All: 0.003+/-0.004 χ^2/NDF: 105.6/89



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: 22.523+/-0.006 χ^2/NDF: 1861251.3/22

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

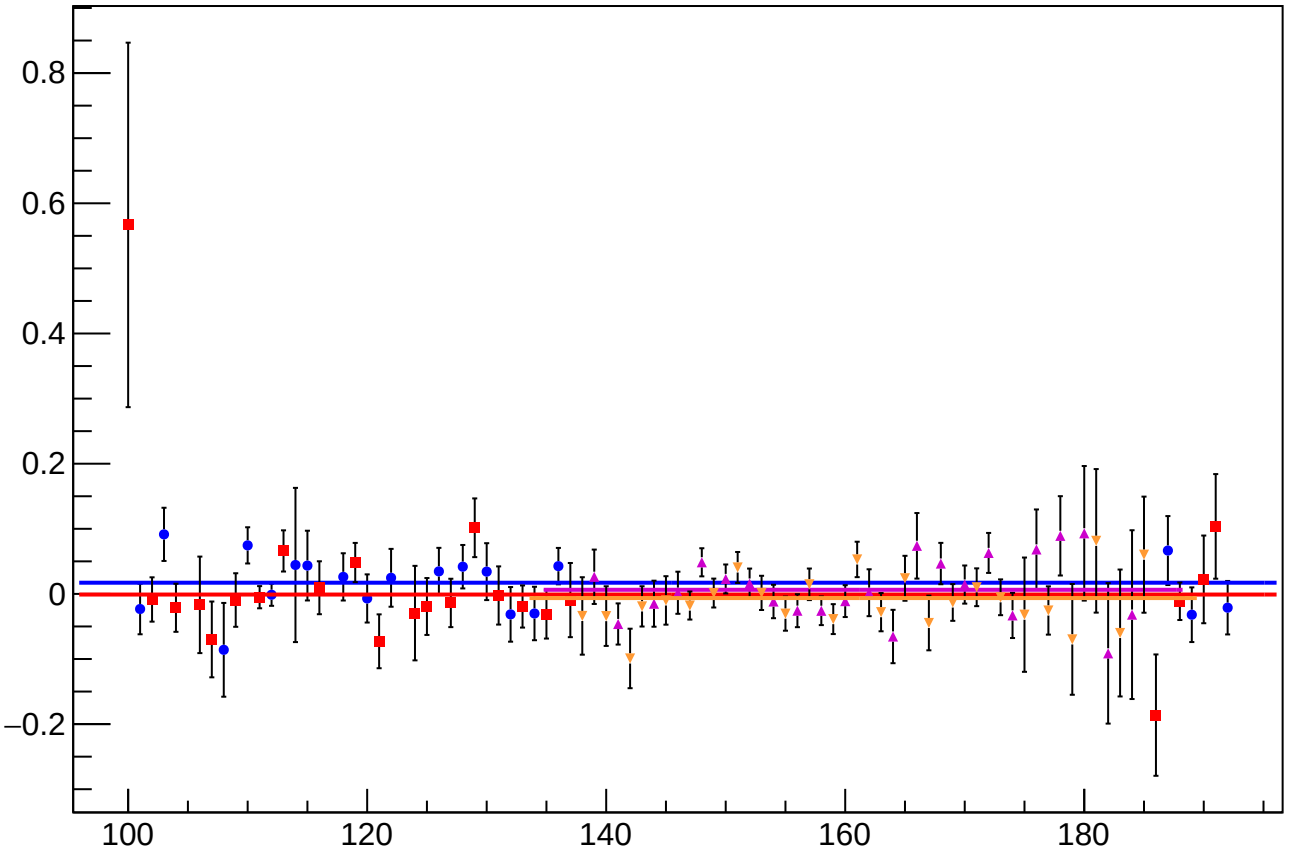
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 22.480+/-0.004 χ^2/NDF: 3819062.5/41

In: 24.580+/-0.004 χ^2/NDF:5300295.9/41

Out: 24.458+/-0.004 χ^2/NDF:5922594.9/47

All: 24.517+/-0.003 χ^2/NDF: 11223470.8/89



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: 28.8/22

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

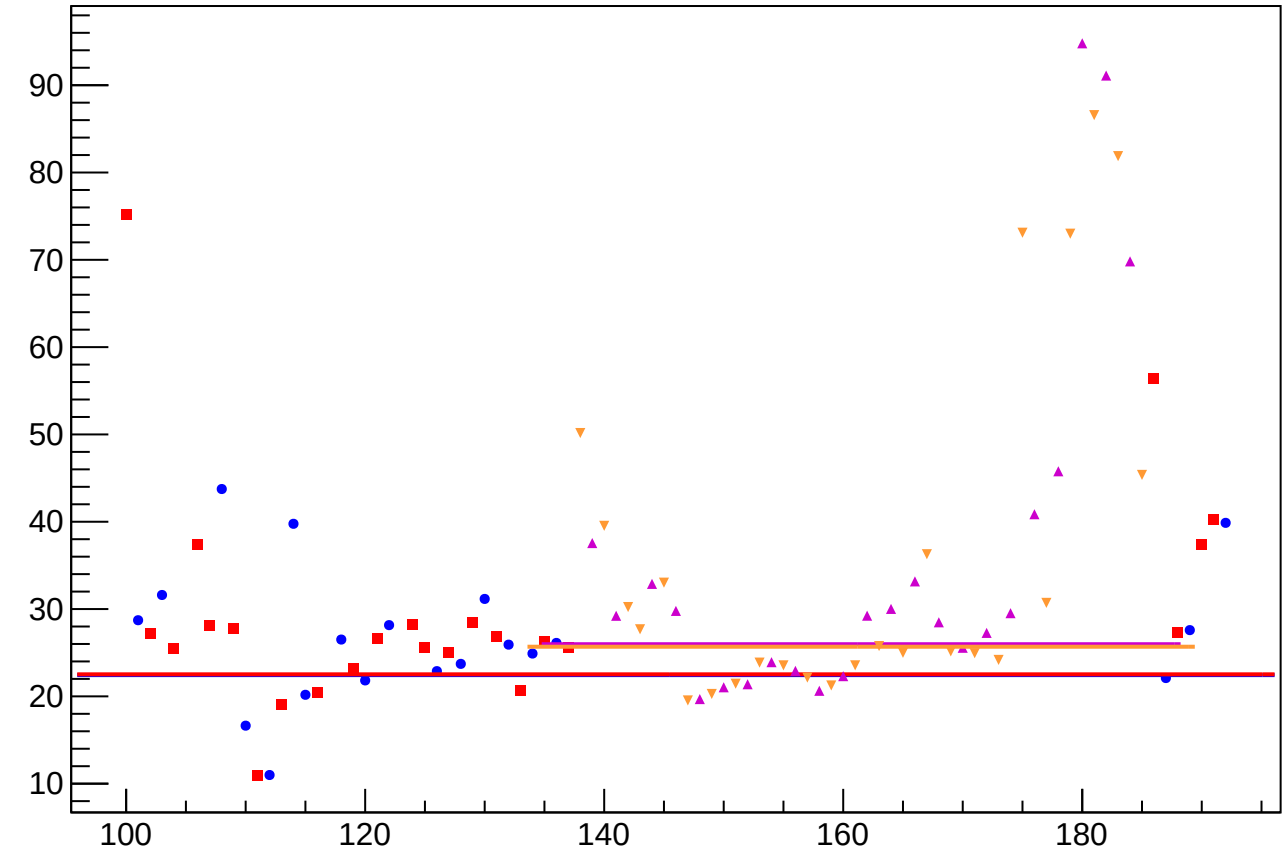
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.008+/-0.006 χ^2/NDF: 51.5/41

In: 0.011+/-0.005 χ^2/NDF:49.7/41

Out: -0.004+/-0.005 χ^2/NDF:51.6/47

All: 0.003+/-0.004 χ^2/NDF: 105.6/89



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: 22.523+/-0.006 χ^2/NDF: 1861251.3/22

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

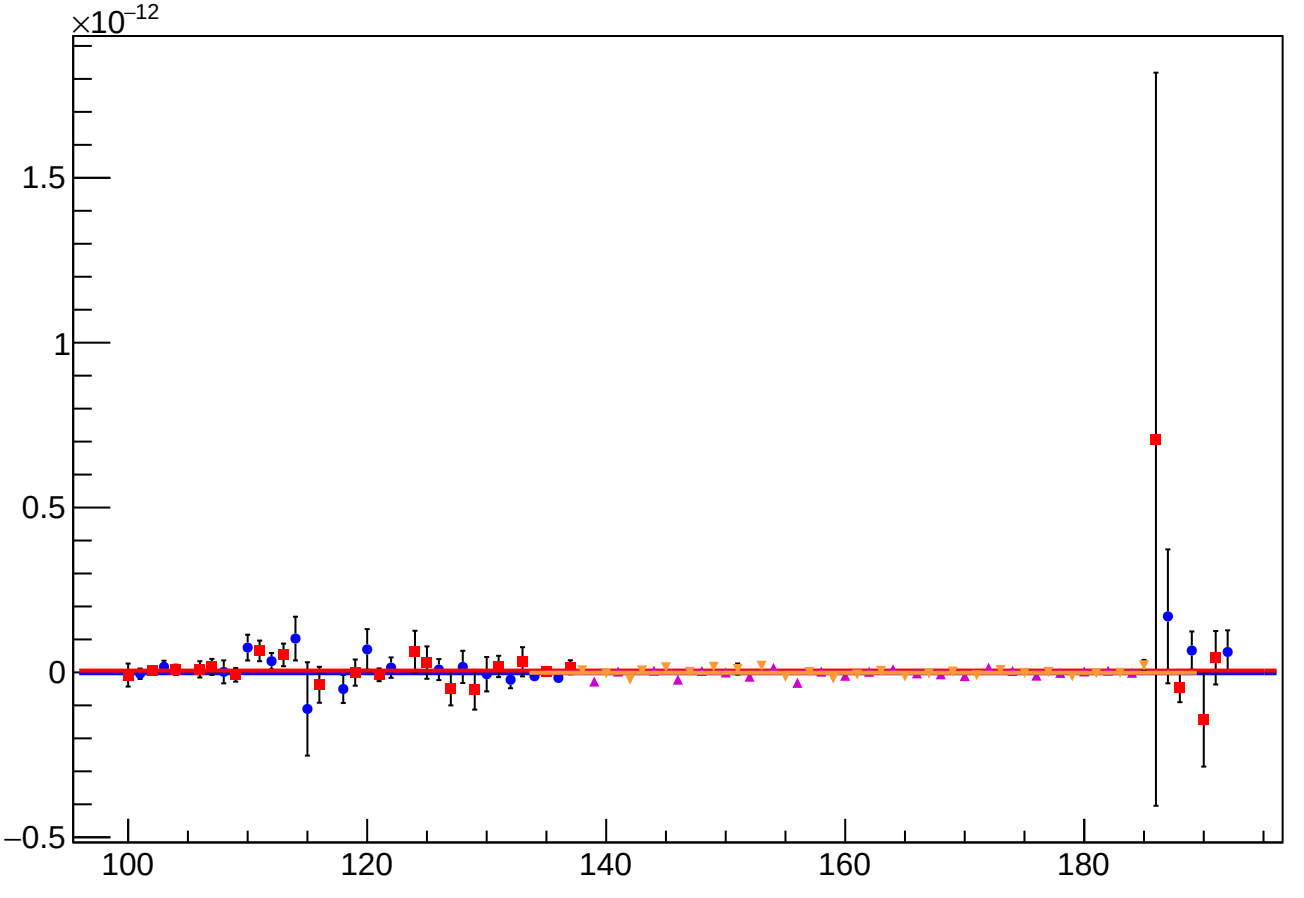
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 22.480+/-0.004 χ^2/NDF: 3819062.5/41

In: 24.580+/-0.004 χ^2/NDF:5300295.9/41

Out: 24.458+/-0.004 χ^2/NDF:5922594.9/47

All: 24.517+/-0.003 χ^2/NDF: 11223470.8/89



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: 14.3/22

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

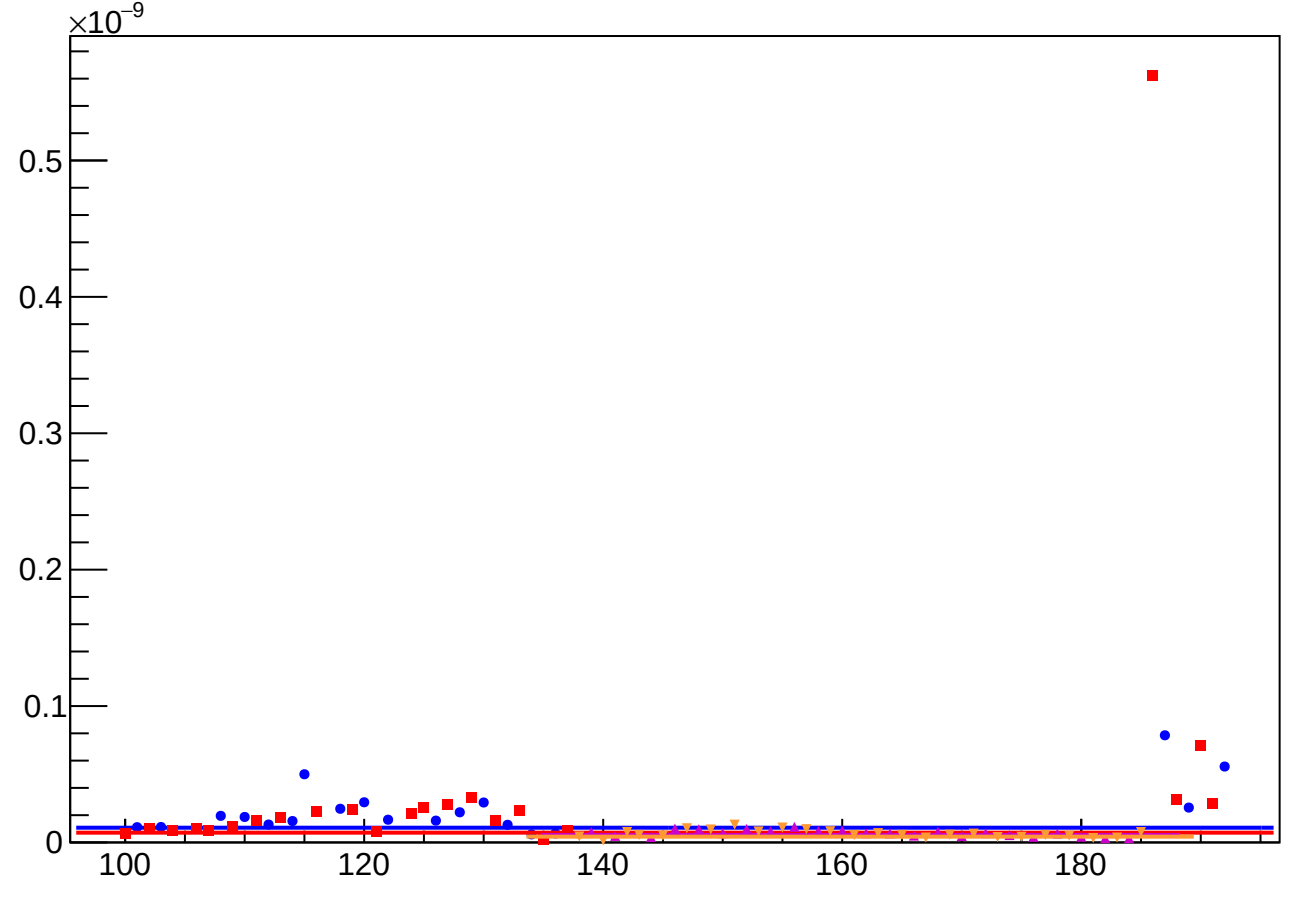
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 36.0/41

In: -0.000+/-0.000 χ^2/NDF:50.1/41

Out: -0.000+/-0.000 χ^2/NDF:45.2/47

All: -0.000+/-0.000 χ^2/NDF: 95.4/89



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: 5653187.2/22

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

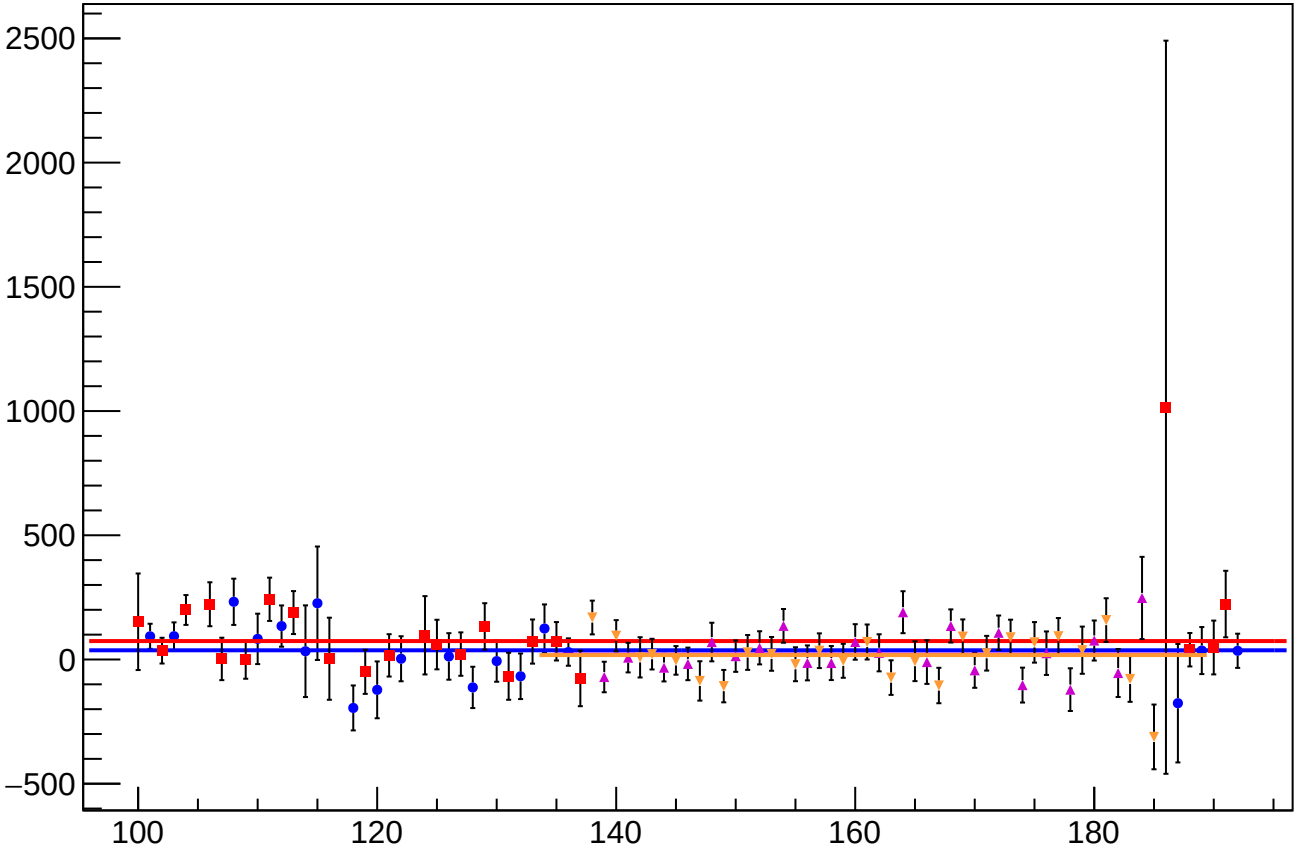
Right: 0.000+/-0.000 χ^2/NDF: 9459623.9/41

In: 0.000+/-0.000 χ^2/NDF:7835039.2/41

Out: 0.000+/-0.000 χ^2/NDF:11883084.5/47

All: 0.000+/-0.000 χ^2/NDF: 20605154.5/89

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: 74.138+/-18.529 χ^2/NDF: 24.4/22

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

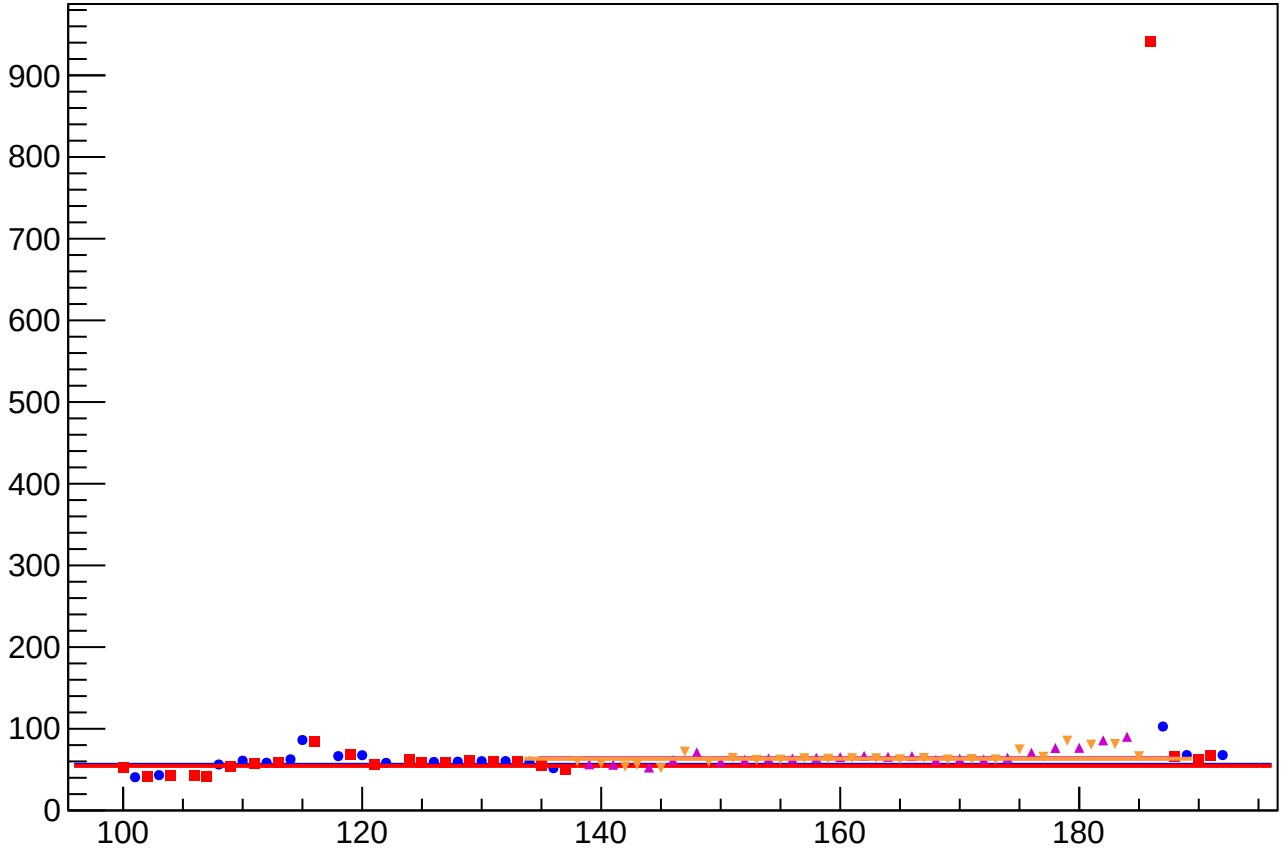
Right: 56.134+/-13.301 χ^2/NDF: 50.5/41

In: 26.283+/-11.817 χ^2/NDF:50.9/41

Out: 39.188+/-11.417 χ^2/NDF:61.7/47

All: 32.958+/-8.211 χ^2/NDF: 113.2/89

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: 54.546+/-0.013 χ^2/NDF: 1244401.0/22

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

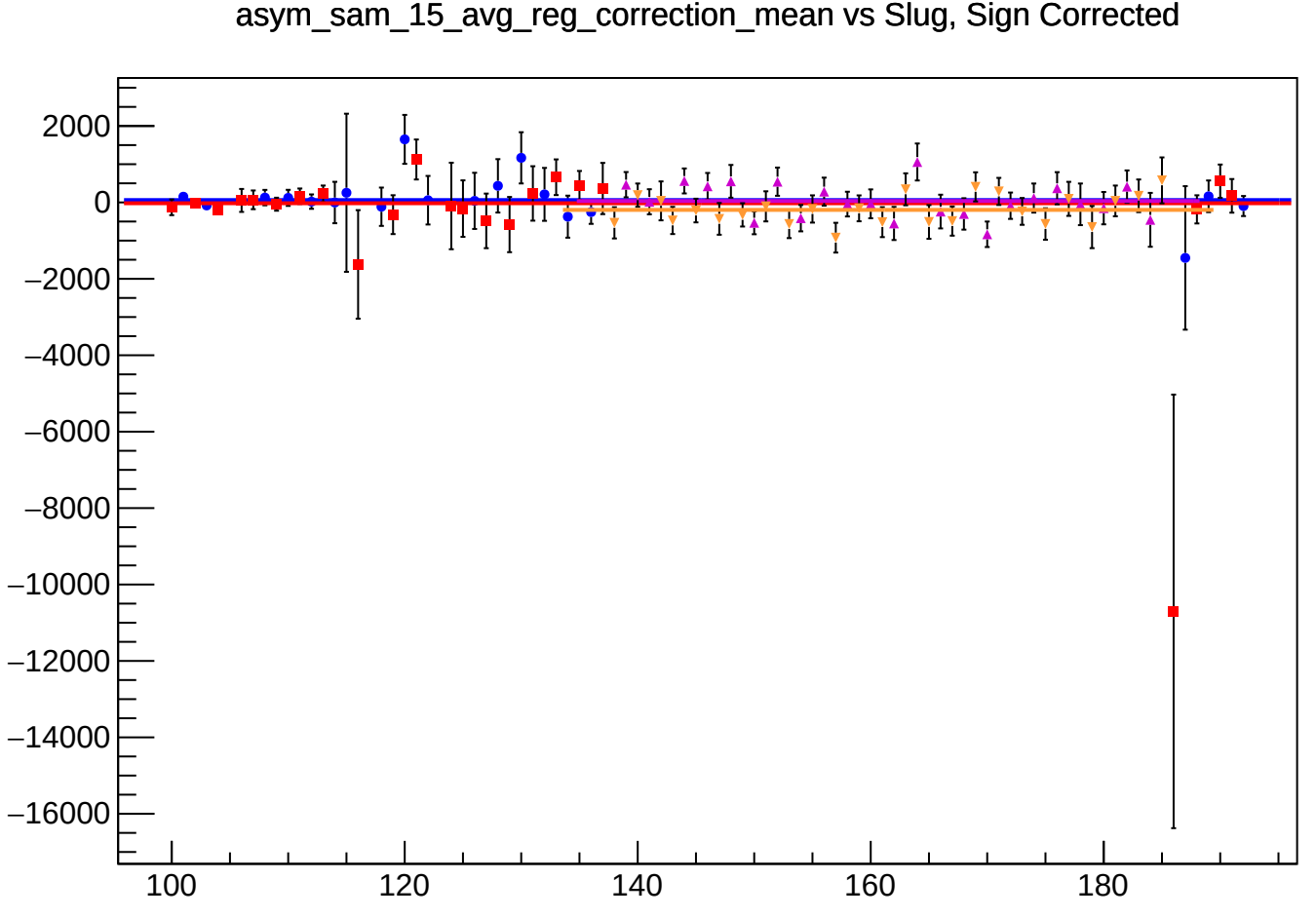
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 55.183+/-0.009 χ^2/NDF: 1830078.1/41

In: 60.835+/-0.008 χ^2/NDF:1245747.5/41

Out: 59.984+/-0.008 χ^2/NDF:2019567.9/47

All: 60.395+/-0.006 χ^2/NDF: 3270677.2/89



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: -21.434+/-49.194 χ^2/NDF: 23.7/22

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

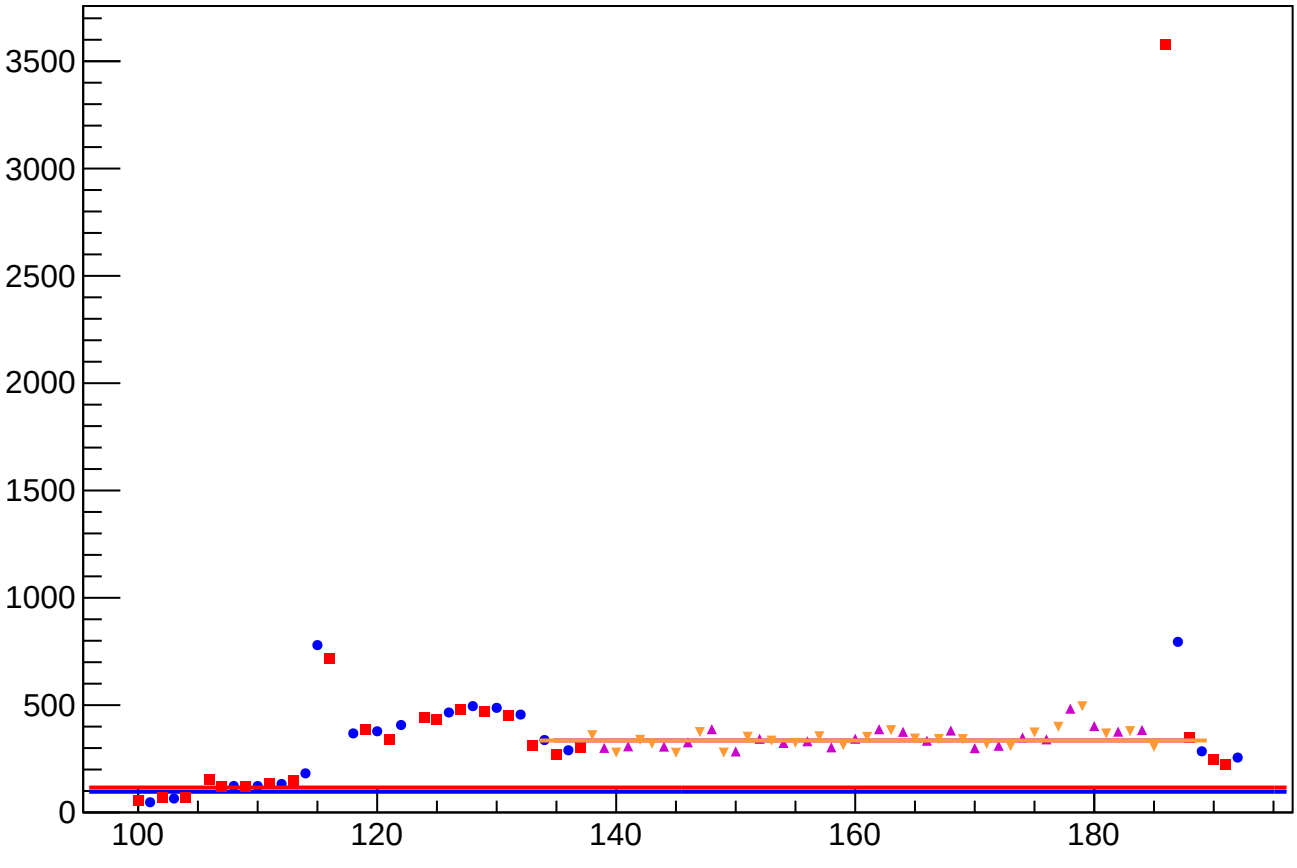
Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

Right: 23.164+/-33.394 χ^2/NDF: 42.0/41

In: 55.114+/-39.439 χ^2/NDF:47.9/41

Out: -71.935+/-41.469 χ^2/NDF:47.9/47

All: -5.225+/-28.578 χ^2/NDF: 100.8/89



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: 116.131+/-0.035 χ^2/NDF: 7246750.3/22

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

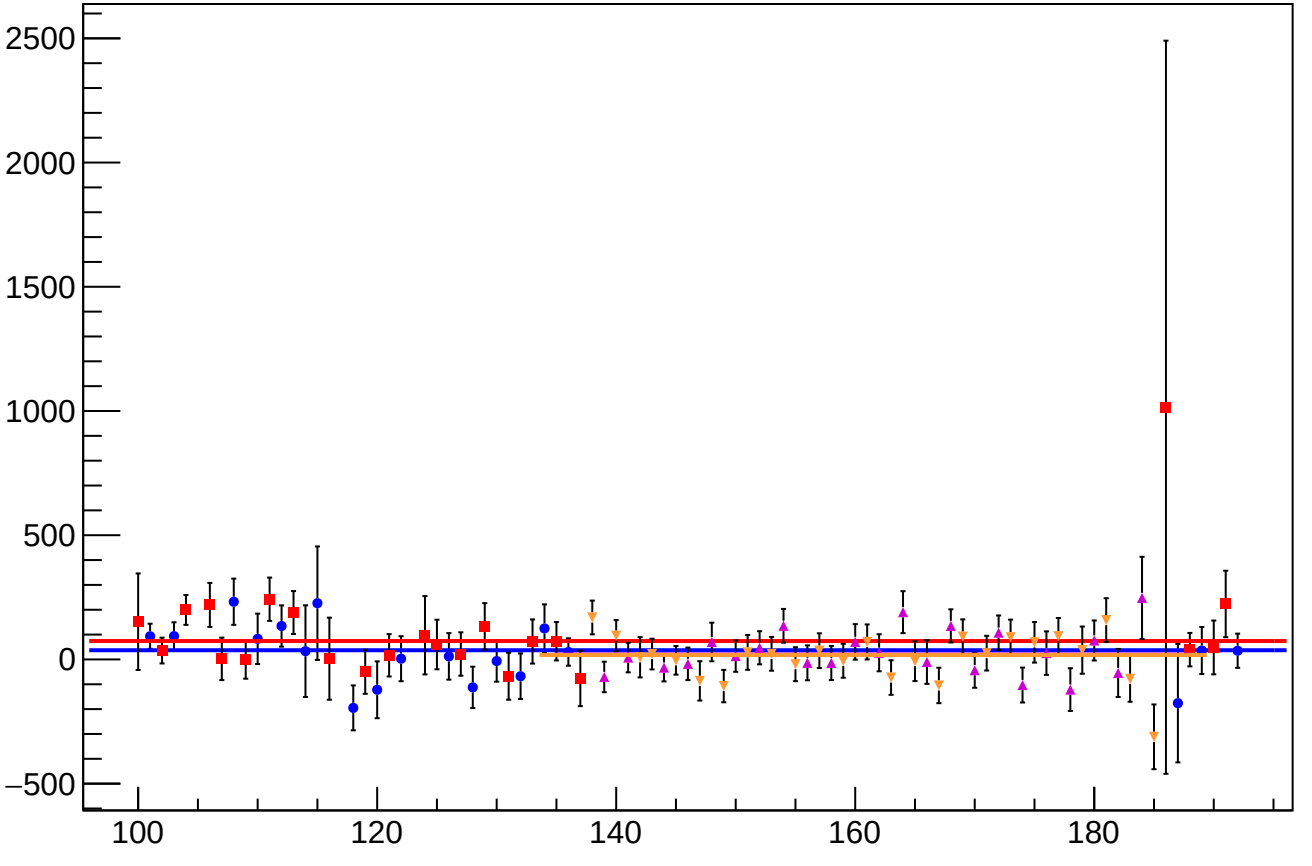
Right: 105.517+/-0.024 χ^2/NDF: 15549662.7/41

In: 155.717+/-0.028 χ^2/NDF:22328732.8/41

Out: 179.547+/-0.029 χ^2/NDF:19295571.9/47

All: 167.034+/-0.020 χ^2/NDF: 41971085.1/89

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



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: 74.018+/-18.531 χ^2/NDF: 24.3/22

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

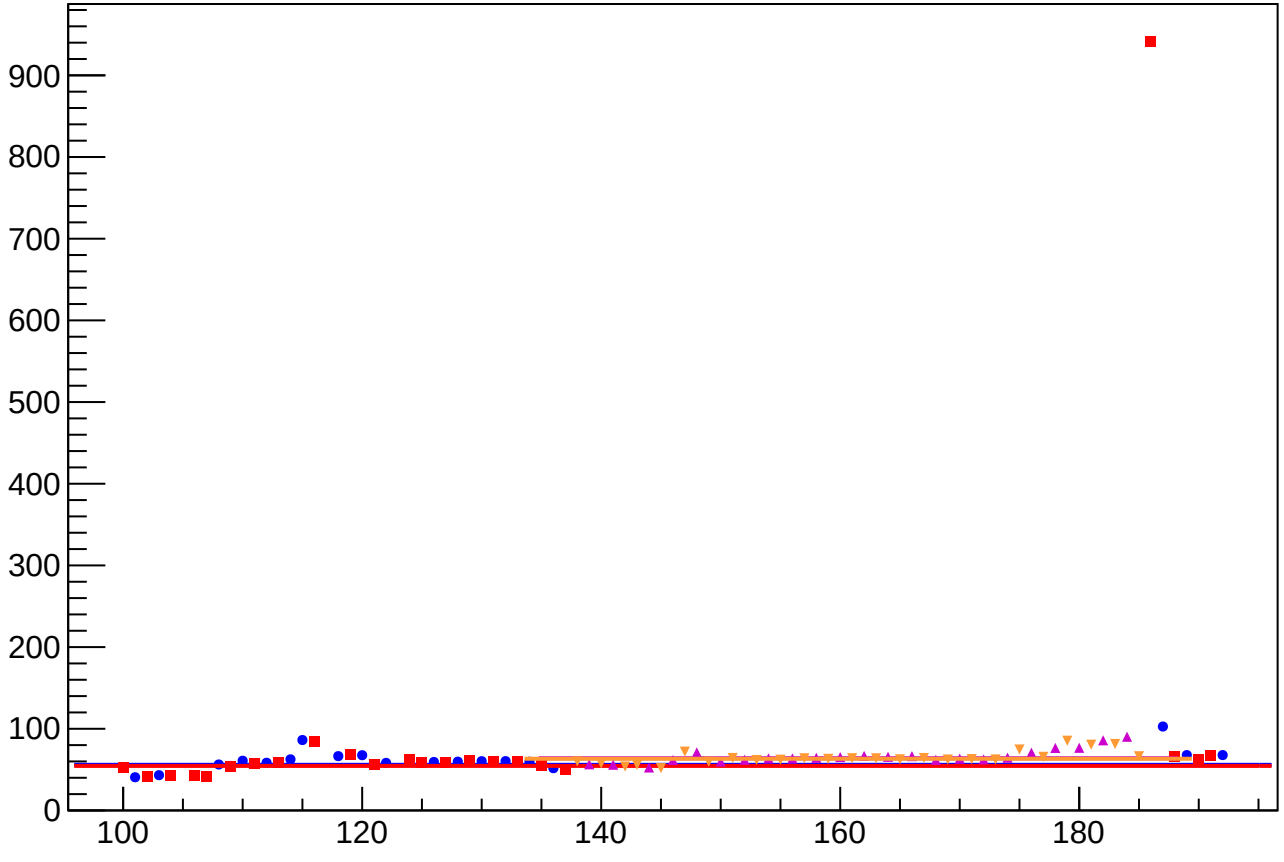
Right: 56.076+/-13.301 χ^2/NDF: 50.4/41

In: 26.287+/-11.817 χ^2/NDF:50.9/41

Out: 39.143+/-11.417 χ^2/NDF:61.6/47

All: 32.936+/-8.211 χ^2/NDF: 113.1/89

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



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: 54.544+/-0.013 χ^2/NDF: 1244744.5/22

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

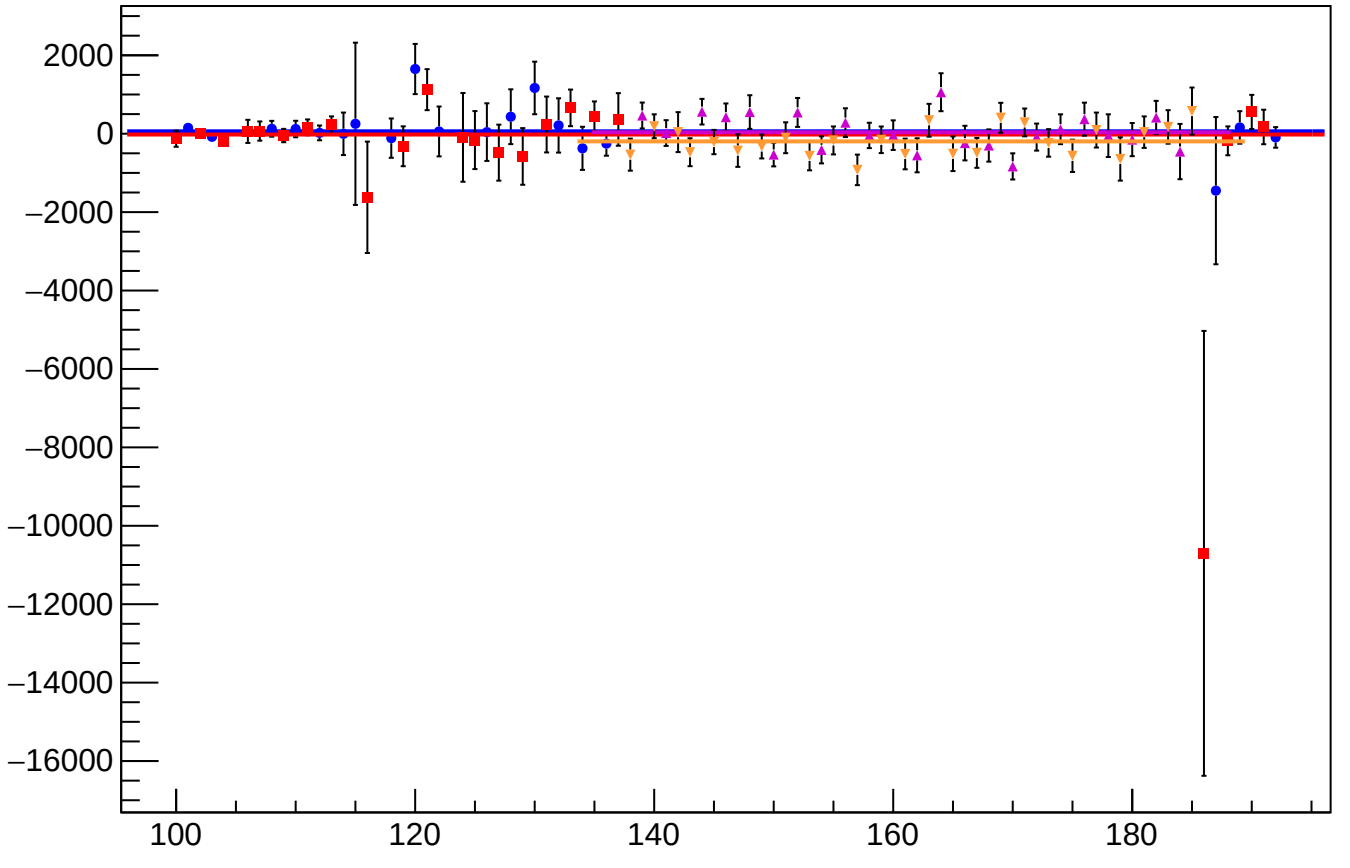
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 55.182+/-0.009 χ^2/NDF: 1830433.7/41

In: 60.835+/-0.008 χ^2/NDF:1245746.4/41

Out: 59.984+/-0.008 χ^2/NDF:2020001.8/47

All: 60.395+/-0.006 χ^2/NDF: 3271115.1/89



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: -21.020+/-49.154 χ^2/NDF: 23.7/22

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

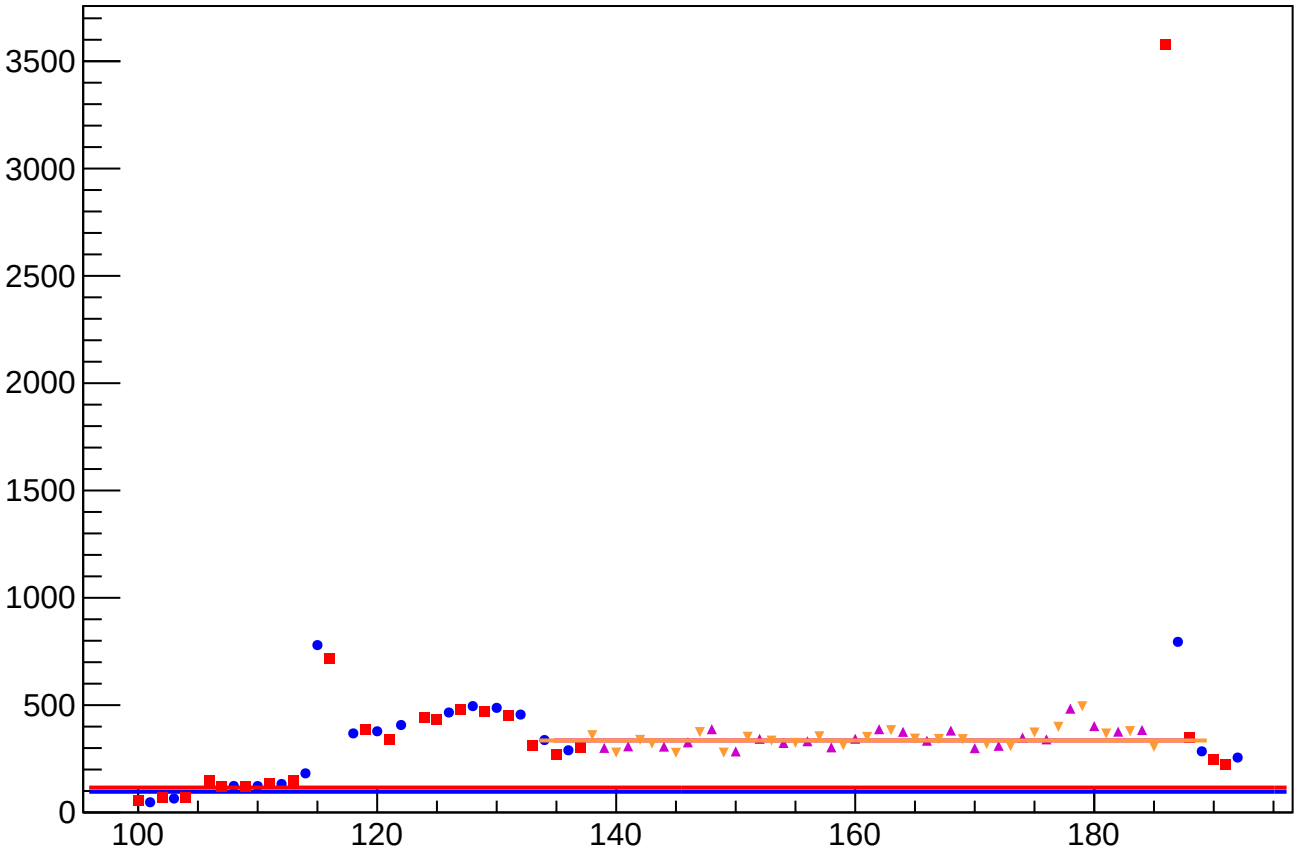
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 23.324+/-33.381 χ^2/NDF: 42.0/41

In: 55.116+/-39.439 χ^2/NDF:47.9/41

Out: -71.581+/-41.445 χ^2/NDF:48.0/47

All: -5.091+/-28.570 χ^2/NDF: 100.8/89



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: 115.948+/-0.035 χ^2/NDF: 7241039.2/22

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

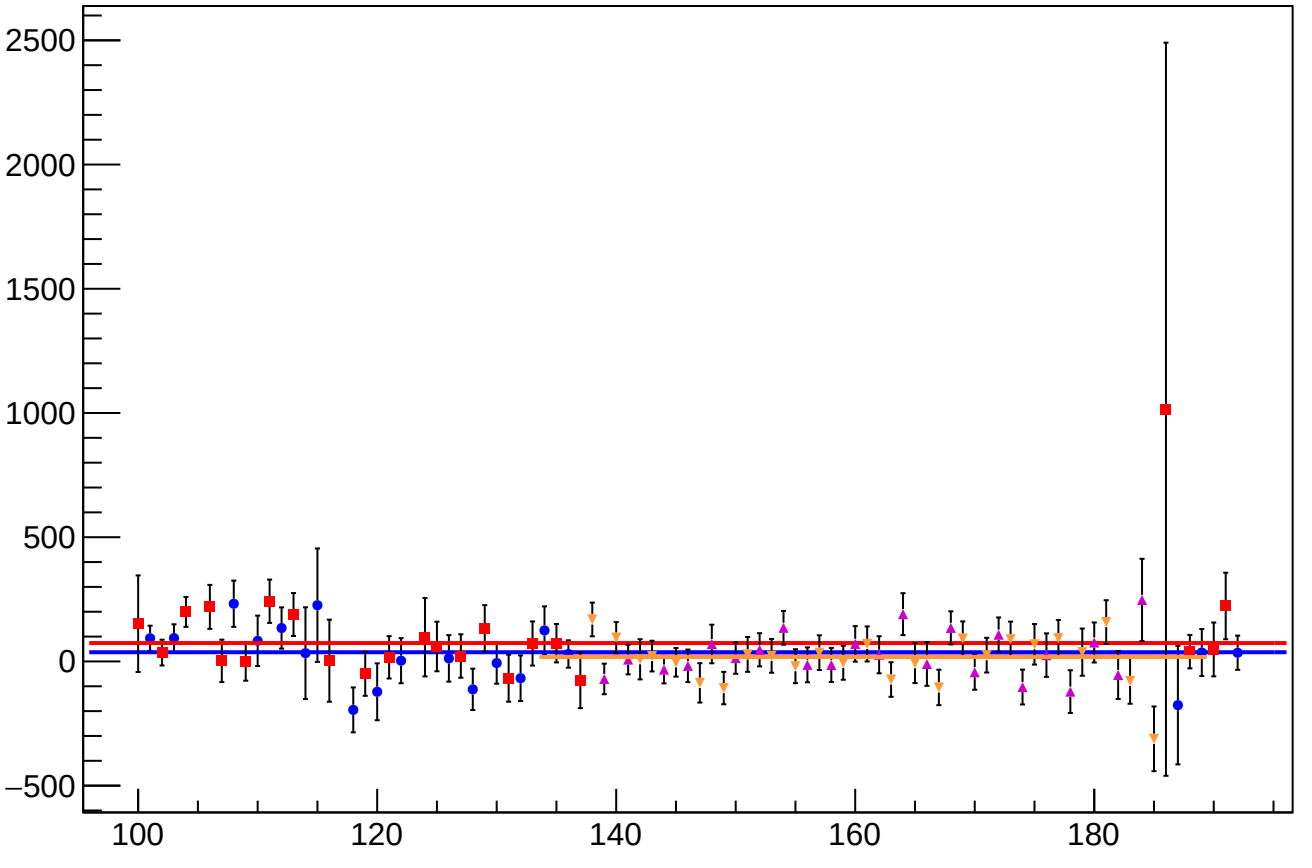
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 105.439+/-0.024 χ^2/NDF: 15541069.2/41

In: 155.713+/-0.028 χ^2/NDF:22329307.7/41

Out: 179.343+/-0.029 χ^2/NDF:19314524.2/47

All: 166.942+/-0.020 χ^2/NDF: 41985033.0/89



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: 74.018+/-18.531 χ^2/NDF: 24.3/22

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

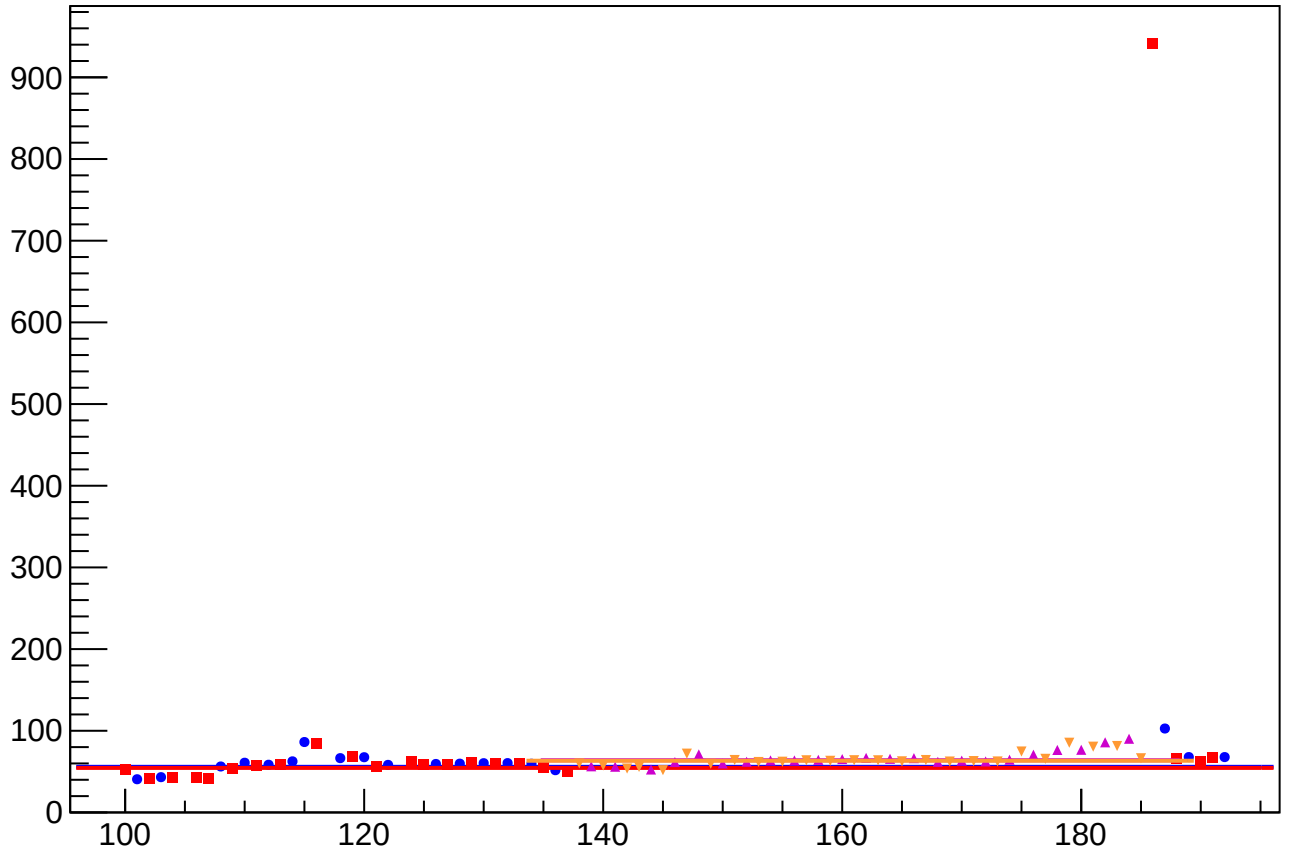
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 56.076+/-13.301 χ^2/NDF: 50.4/41

In: 26.287+/-11.817 χ^2/NDF:50.9/41

Out: 39.143+/-11.417 χ^2/NDF:61.6/47

All: 32.936+/-8.211 χ^2/NDF: 113.1/89



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: 54.544+/-0.013 χ^2/NDF: 1244744.5/22

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

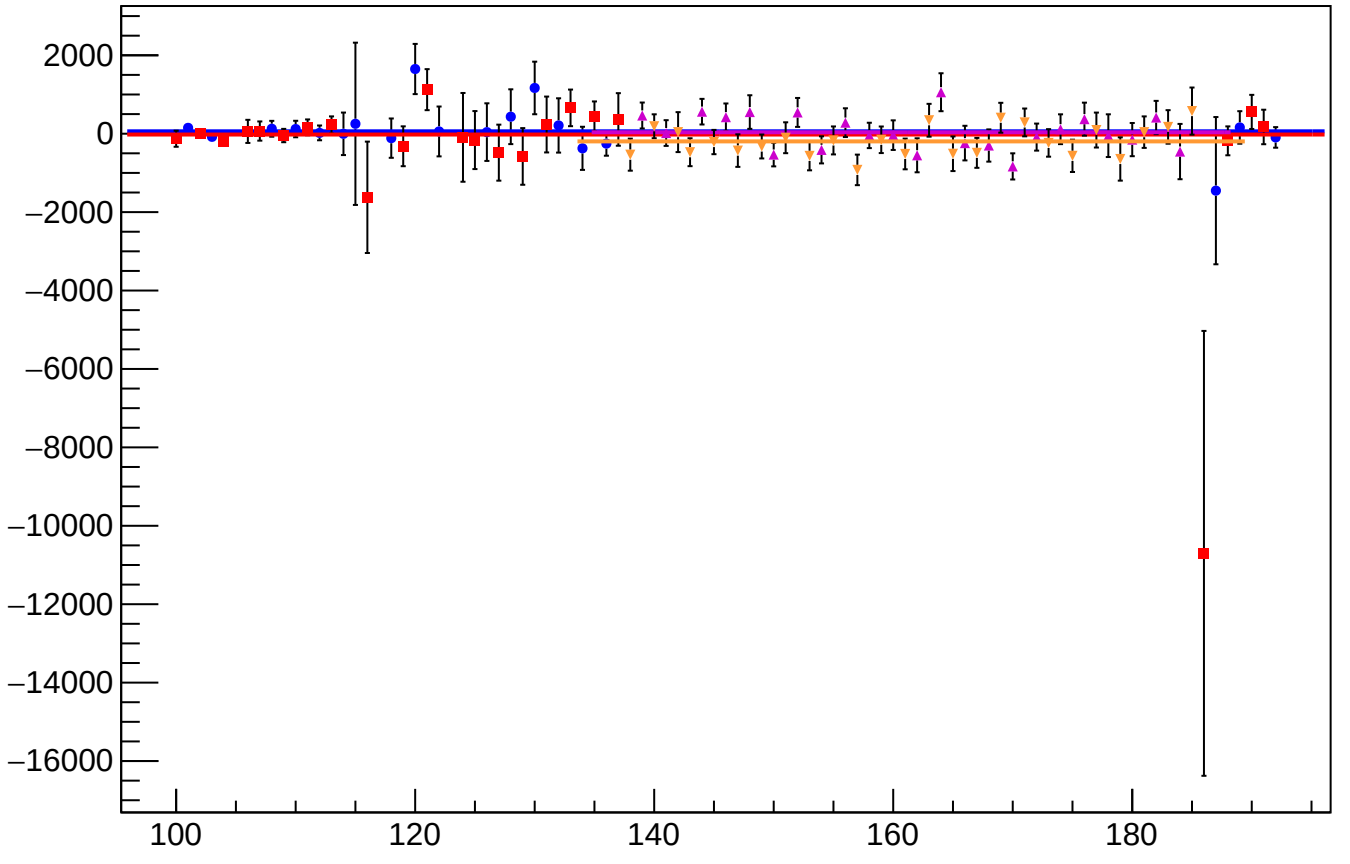
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 55.182+/-0.009 χ^2/NDF: 1830433.7/41

In: 60.835+/-0.008 χ^2/NDF:1245746.4/41

Out: 59.984+/-0.008 χ^2/NDF:2020001.8/47

All: 60.395+/-0.006 χ^2/NDF: 3271115.1/89



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: -21.020+/-49.154 χ^2/NDF: 23.7/22

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

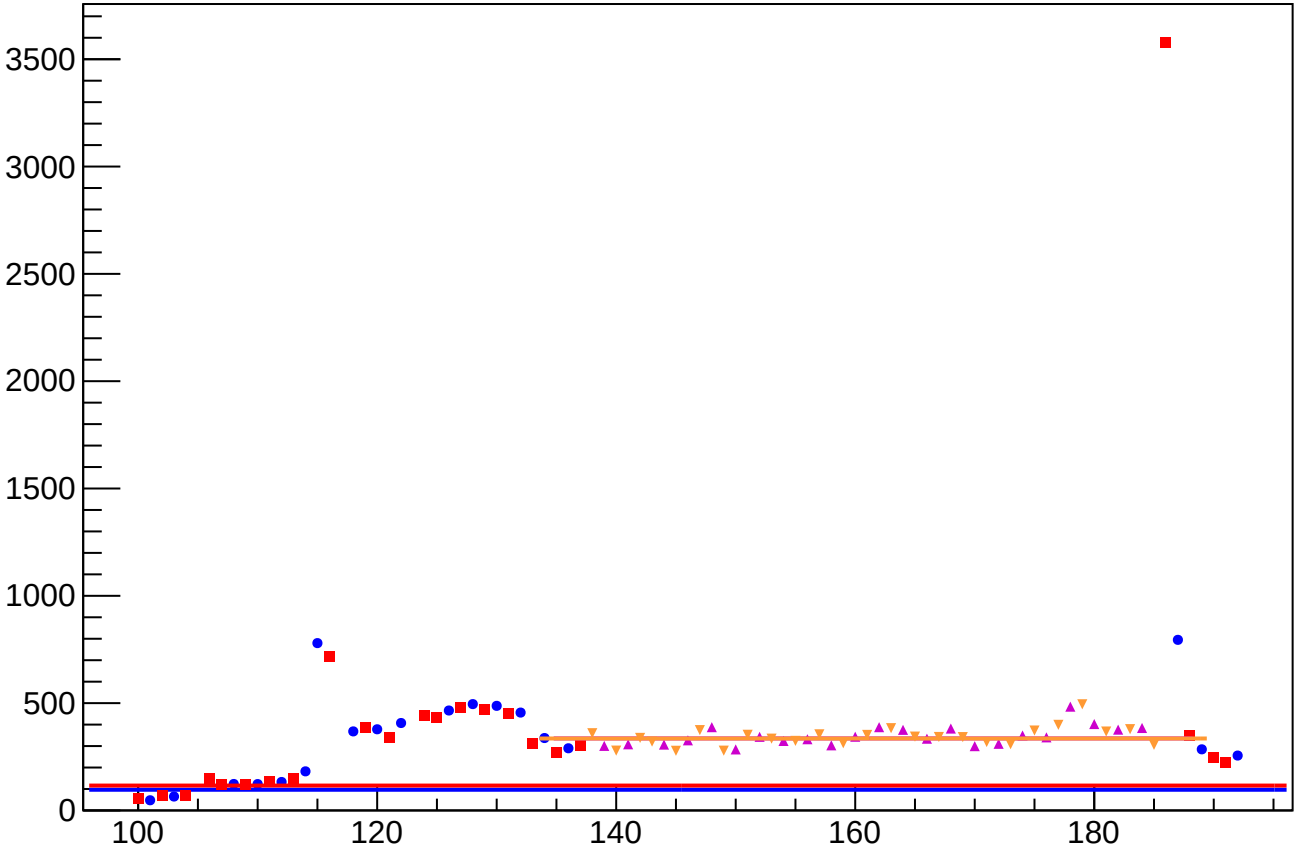
Right: 23.324+/-33.381 χ^2/NDF: 42.0/41

In: 55.116+/-39.439 χ^2/NDF:47.9/41

Out: -71.581+/-41.445 χ^2/NDF:48.0/47

All: -5.091+/-28.570 χ^2/NDF: 100.8/89

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: 115.948+/-0.035 χ^2/NDF: 7241039.2/22

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

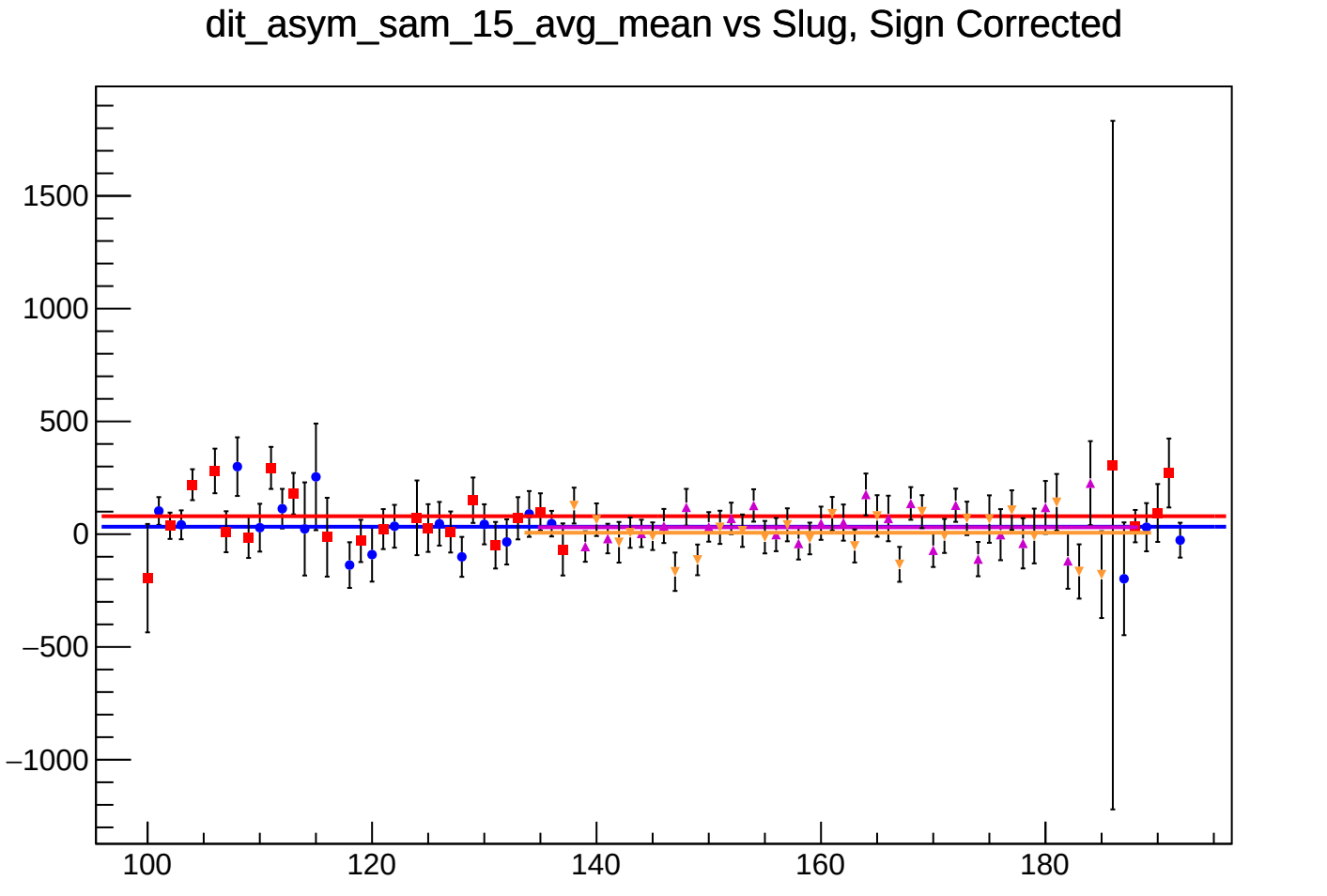
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 105.439+/-0.024 χ^2/NDF: 15541069.2/41

In: 155.713+/-0.028 χ^2/NDF:22329307.7/41

Out: 179.343+/-0.029 χ^2/NDF:19314524.2/47

All: 166.942+/-0.020 χ^2/NDF: 41985033.0/89



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: 79.672+/-20.219 χ^2/NDF: 26.8/22

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

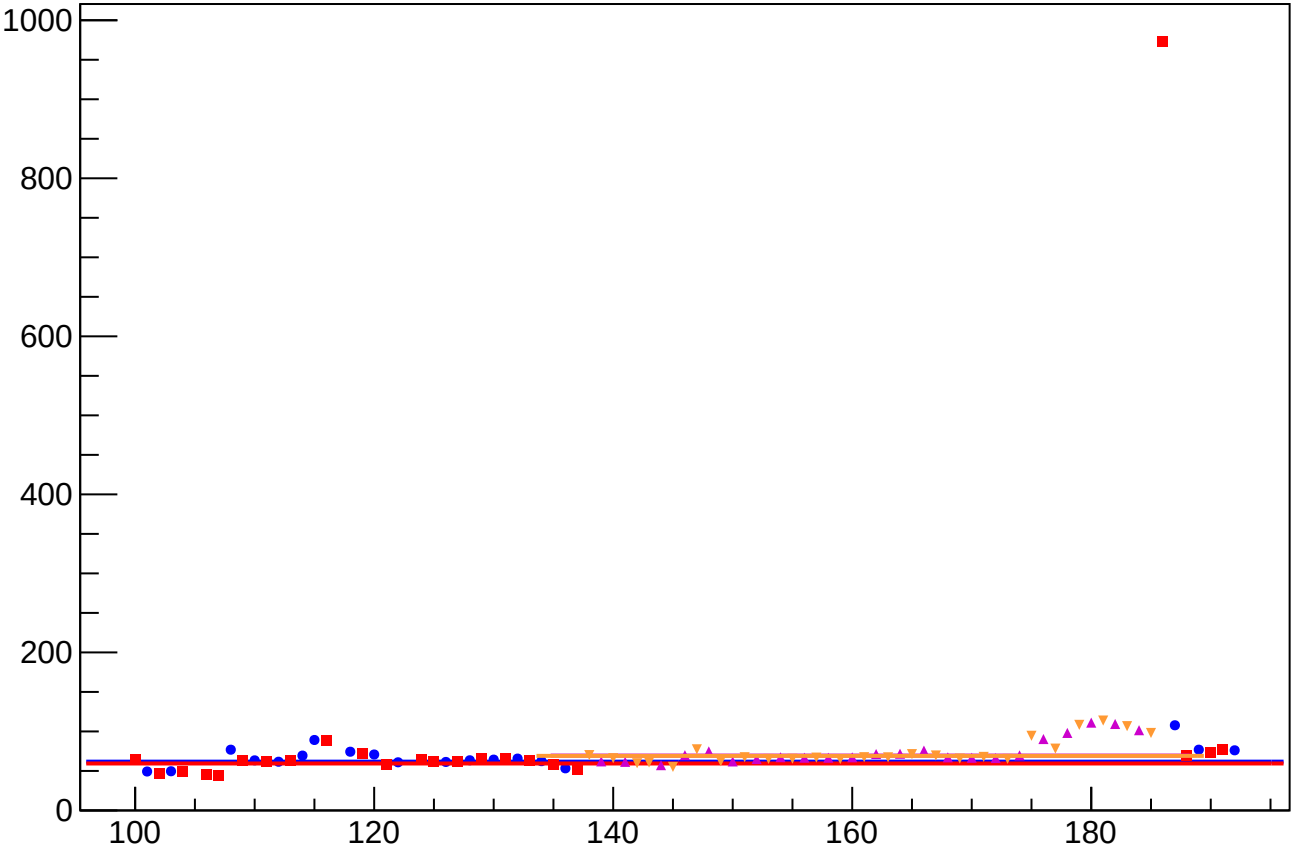
Right: 57.348+/-14.602 χ^2/NDF: 45.0/41

In: 31.552+/-13.002 χ^2/NDF:38.1/41

Out: 34.609+/-12.536 χ^2/NDF:59.9/47

All: 33.137+/-9.024 χ^2/NDF: 98.1/89

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



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: 59.440+/-0.014 χ^2/NDF: 1171468.7/22

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

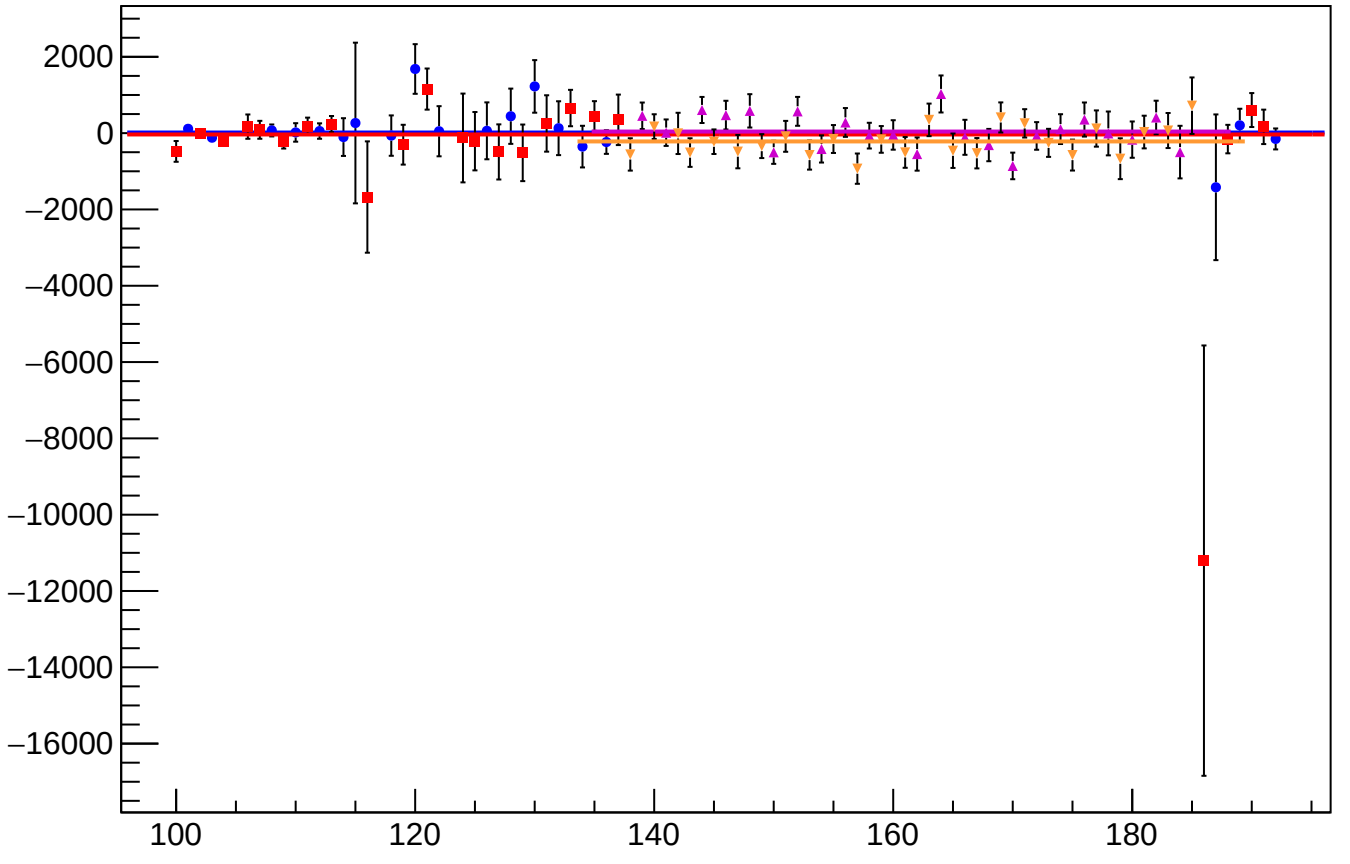
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 60.555+/-0.010 χ^2/NDF: 1664452.7/41

In: 66.529+/-0.009 χ^2/NDF:1568487.2/41

Out: 65.373+/-0.009 χ^2/NDF:2525289.8/47

All: 65.930+/-0.006 χ^2/NDF: 4101969.3/89



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: -34.794+/-51.962 χ^2/NDF: 27.8/22

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

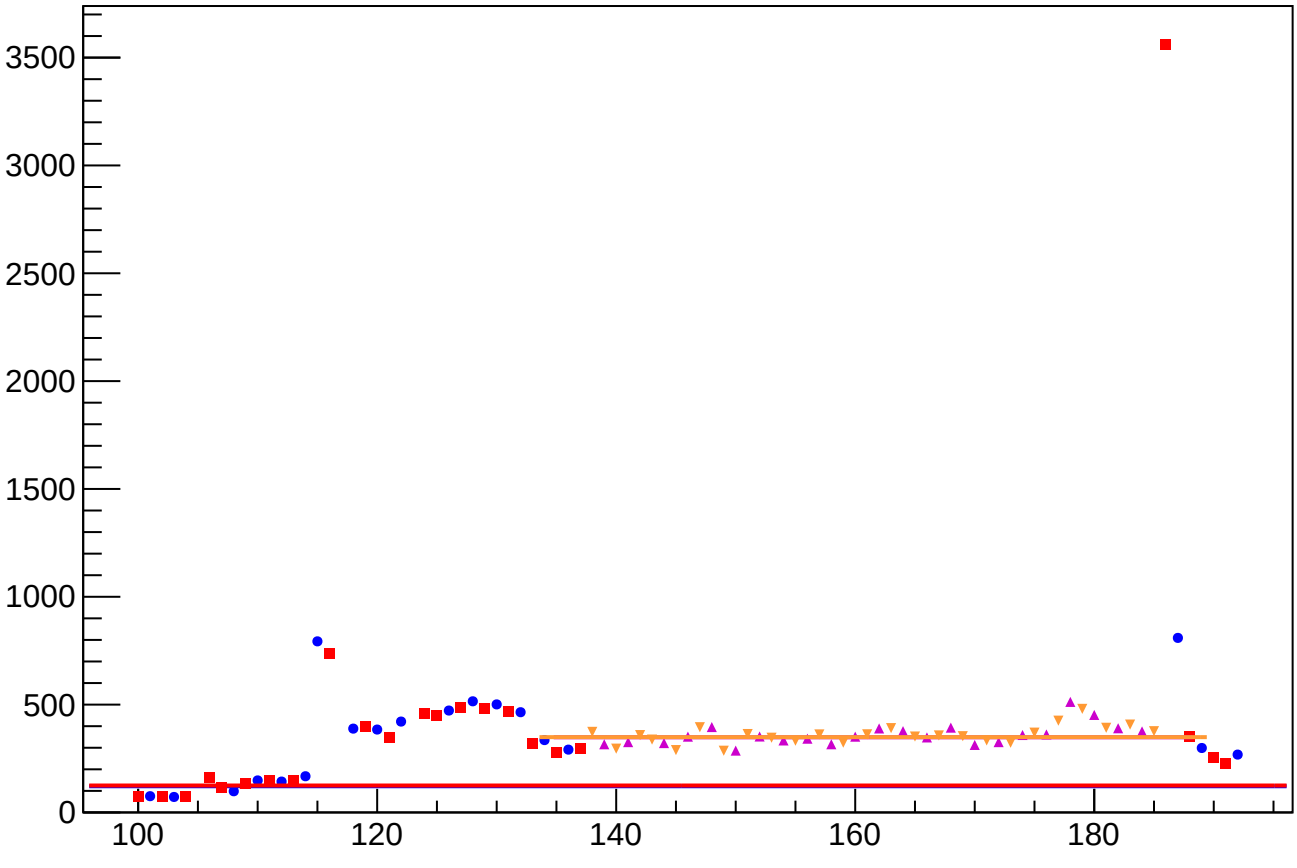
Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

Right: -9.425+/-36.824 χ^2/NDF: 44.1/41

In: 23.444+/-44.070 χ^2/NDF:45.8/41

Out: -88.833+/-43.598 χ^2/NDF:50.8/47

All: -33.298+/-30.994 χ^2/NDF: 99.9/89



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: 124.959+/-0.037 χ^2/NDF: 6951610.3/22

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

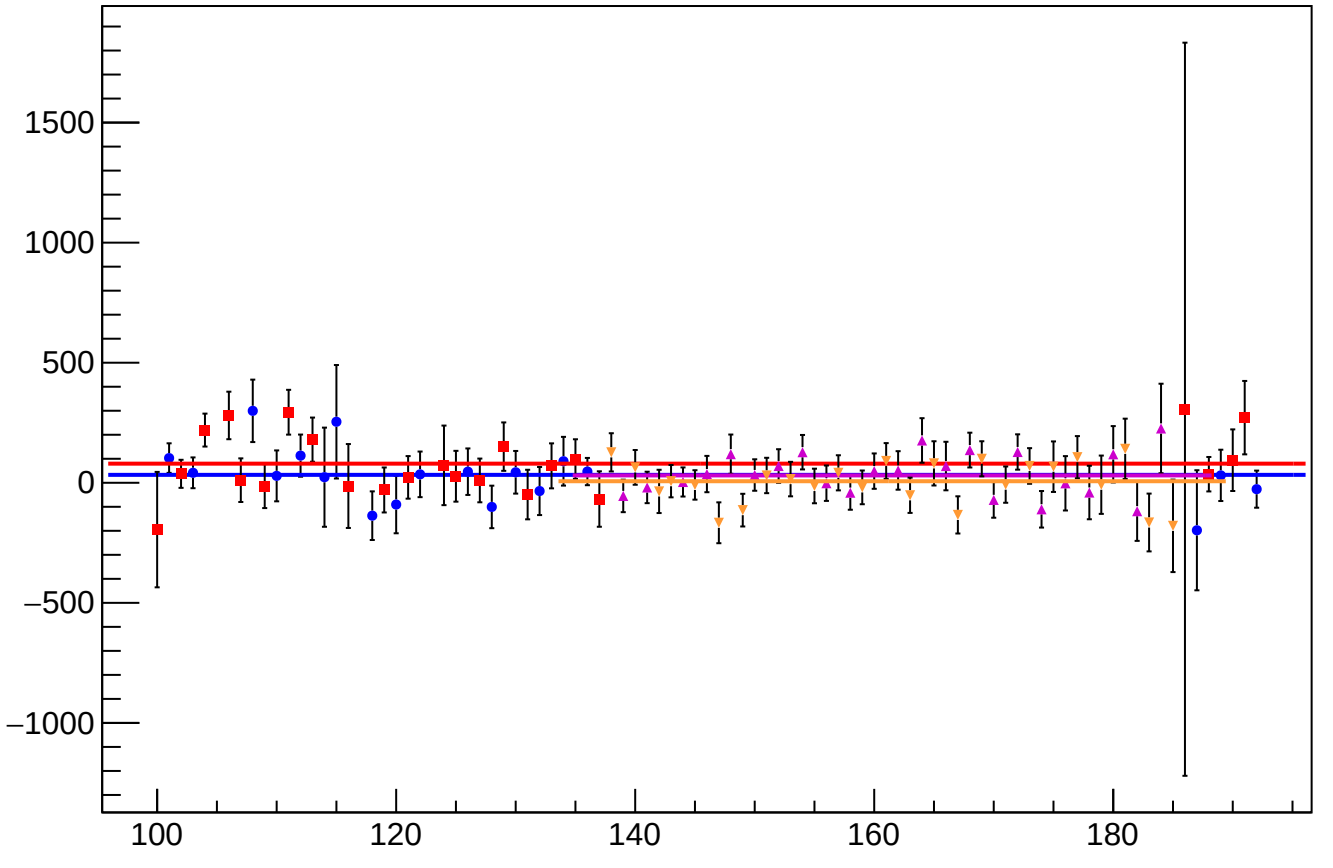
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 123.235+/-0.026 χ^2/NDF: 13774295.3/41

In: 186.673+/-0.031 χ^2/NDF:18209582.3/41

Out: 191.330+/-0.031 χ^2/NDF:18498926.5/47

All: 189.027+/-0.022 χ^2/NDF: 36719796.2/89



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: 79.672+/-20.219 χ^2/NDF: 26.8/22

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

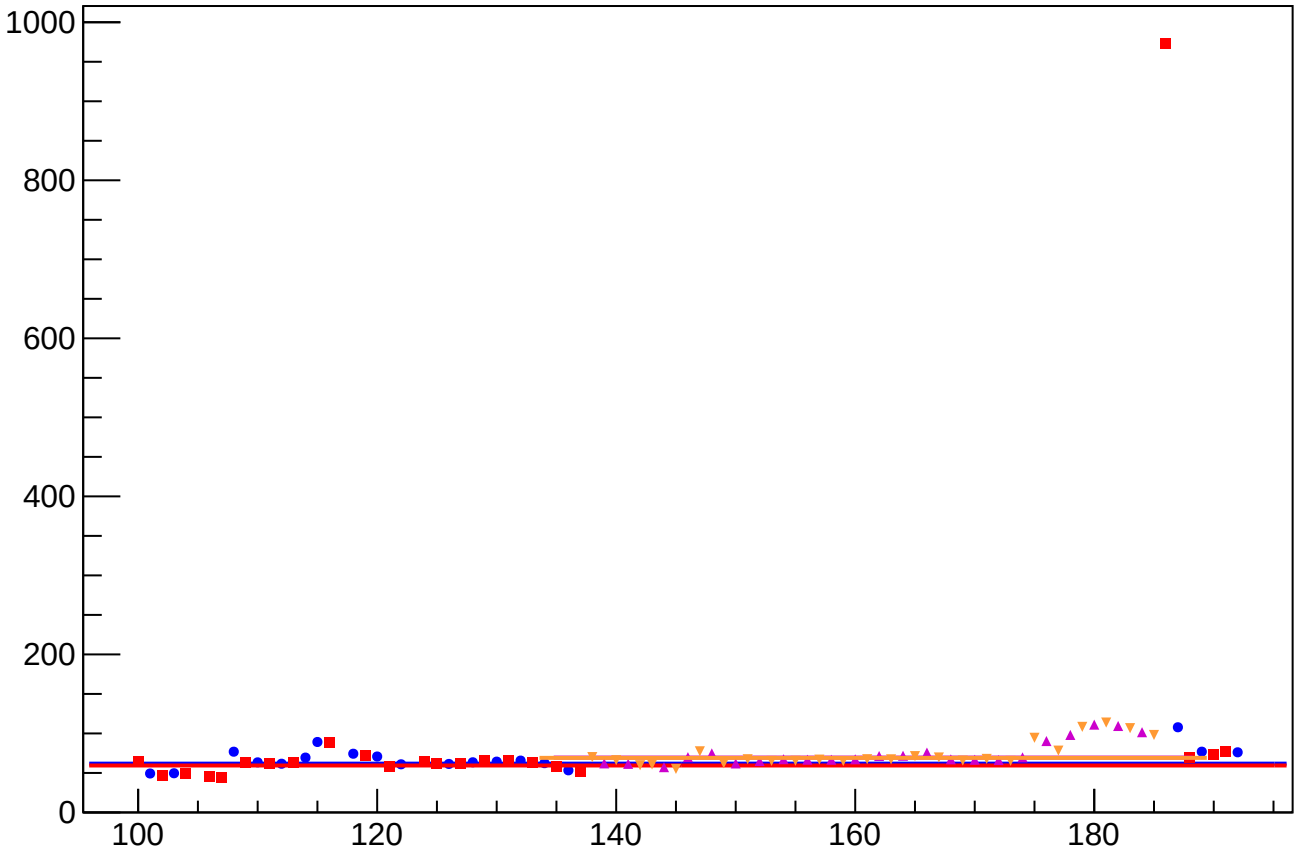
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 57.348+/-14.602 χ^2/NDF: 45.0/41

In: 31.552+/-13.002 χ^2/NDF:38.1/41

Out: 34.609+/-12.536 χ^2/NDF:59.9/47

All: 33.137+/-9.024 χ^2/NDF: 98.1/89



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: 59.439+/-0.014 χ^2/NDF: 1171464.9/22

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

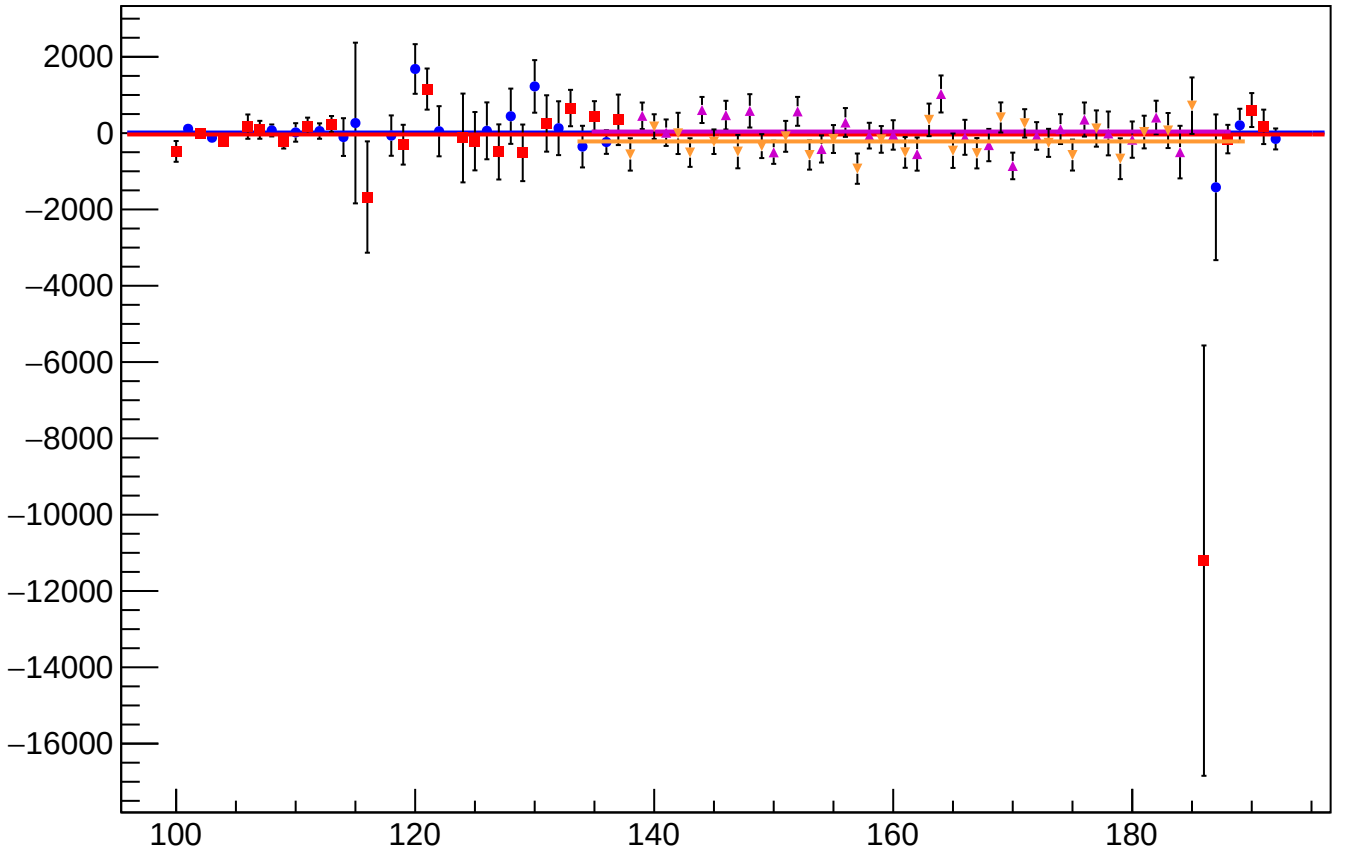
Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

Right: 60.555+/-0.010 χ^2/NDF: 1664452.0/41

In: 66.529+/-0.009 χ^2/NDF:1568483.3/41

Out: 65.373+/-0.009 χ^2/NDF:2525277.5/47

All: 65.930+/-0.006 χ^2/NDF: 4101953.7/89



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: -34.794+/-51.962 χ^2/NDF: 27.8/22

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

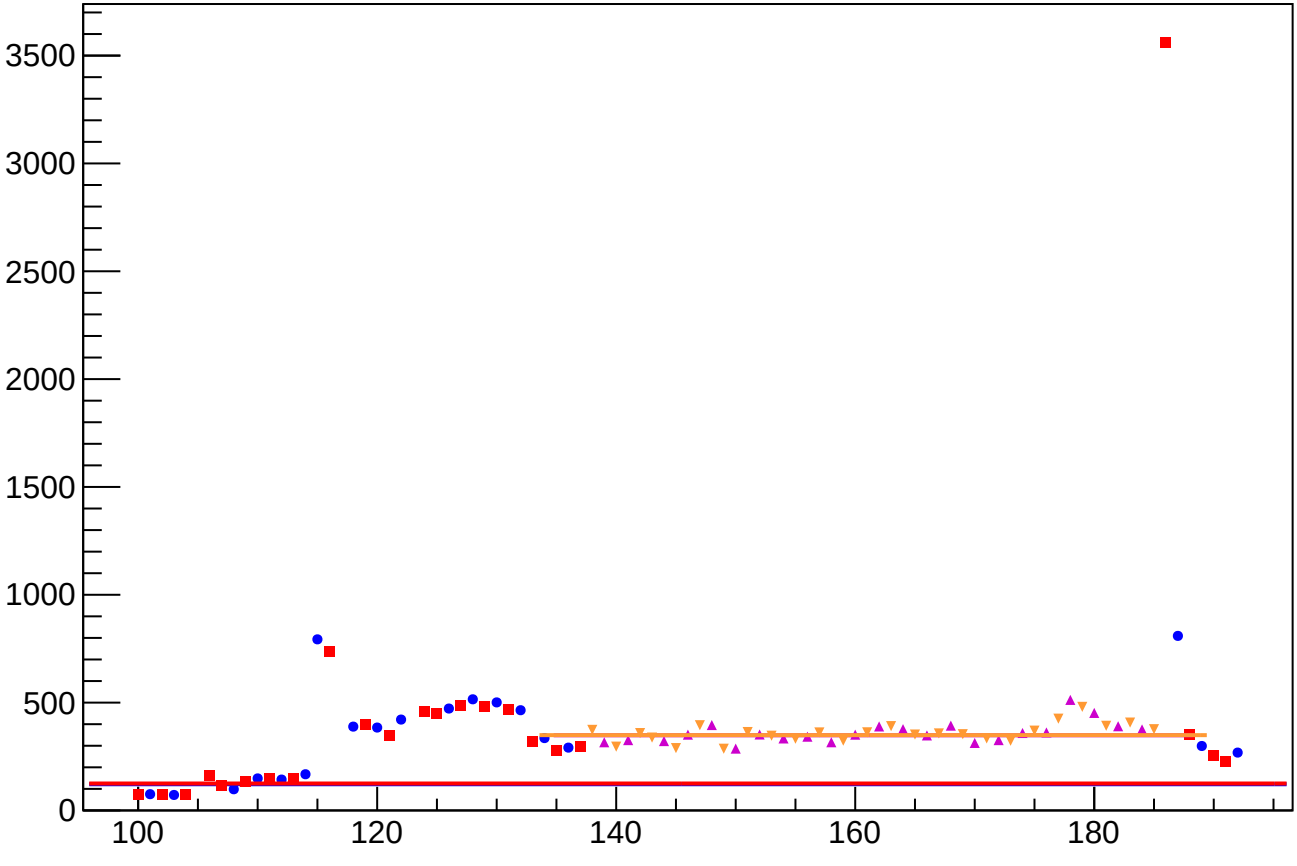
Right: -9.425+/-36.824 χ^2/NDF: 44.1/41

In: 23.444+/-44.070 χ^2/NDF:45.8/41

Out: -88.832+/-43.598 χ^2/NDF:50.8/47

All: -33.298+/-30.994 χ^2/NDF: 99.9/89

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: 124.958+/-0.037 χ^2/NDF: 6951620.7/22

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

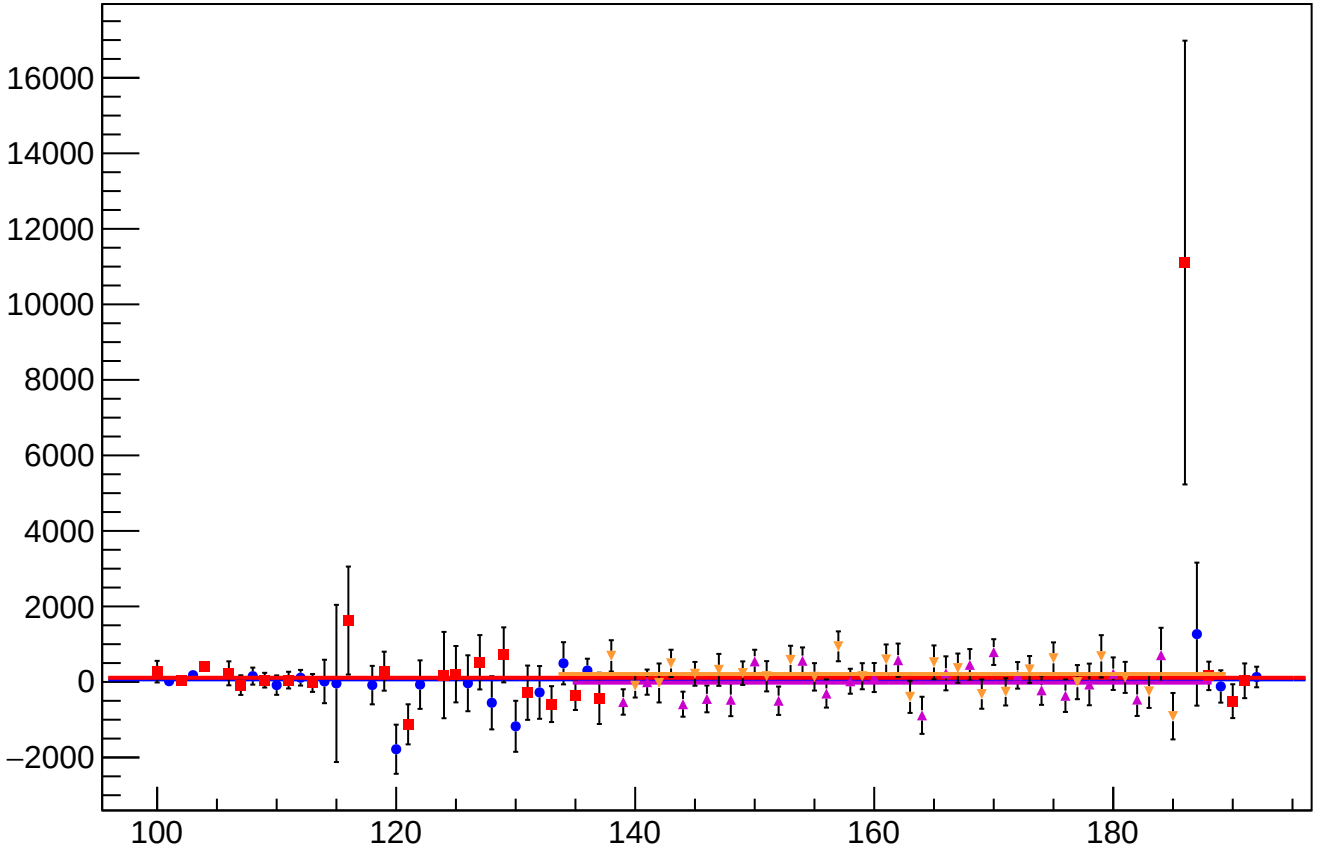
Right: 123.235+/-0.026 χ^2/NDF: 13774310.7/41

In: 186.673+/-0.031 χ^2/NDF:18209648.4/41

Out: 191.330+/-0.031 χ^2/NDF:18499012.9/47

All: 189.027+/-0.022 χ^2/NDF: 36719948.0/89

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: 110.294+/-56.376 χ^2/NDF: 26.6/22

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

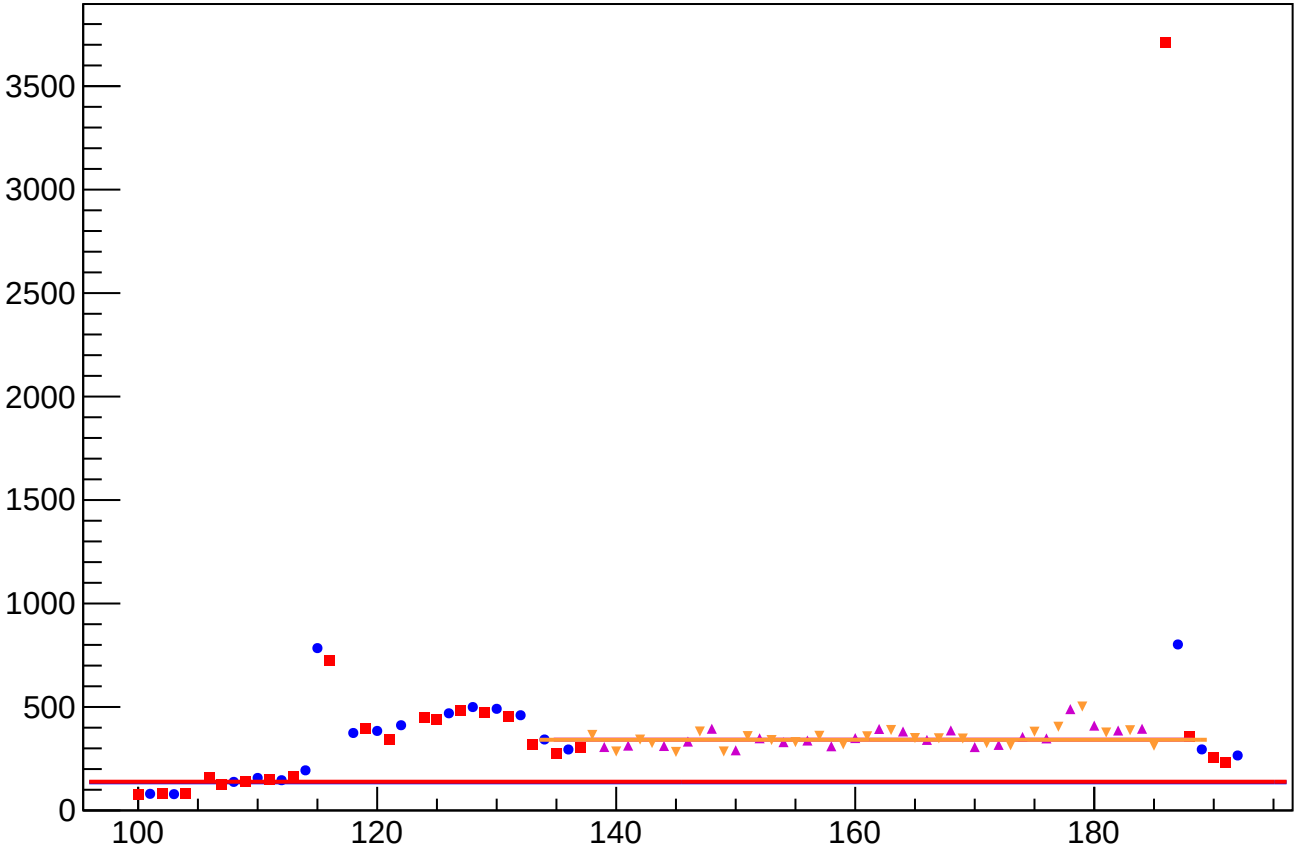
Right: 89.567+/-40.177 χ^2/NDF: 43.3/41

In: 39.061+/-46.706 χ^2/NDF:49.2/41

Out: 144.152+/-45.793 χ^2/NDF:49.1/47

All: 92.644+/-32.699 χ^2/NDF: 100.9/89

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: 138.855+/-0.040 χ^2/NDF: 6320238.6/22

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

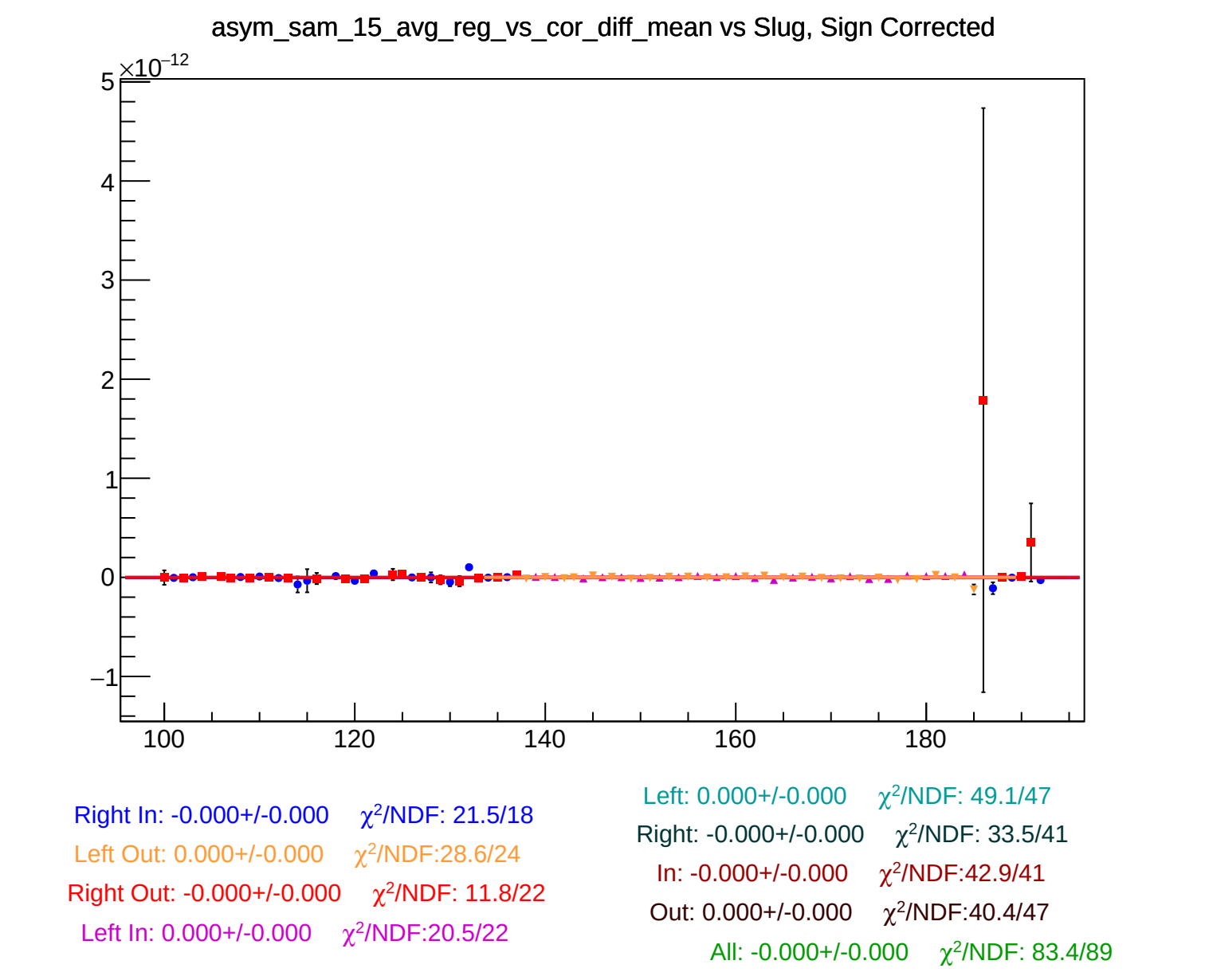
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

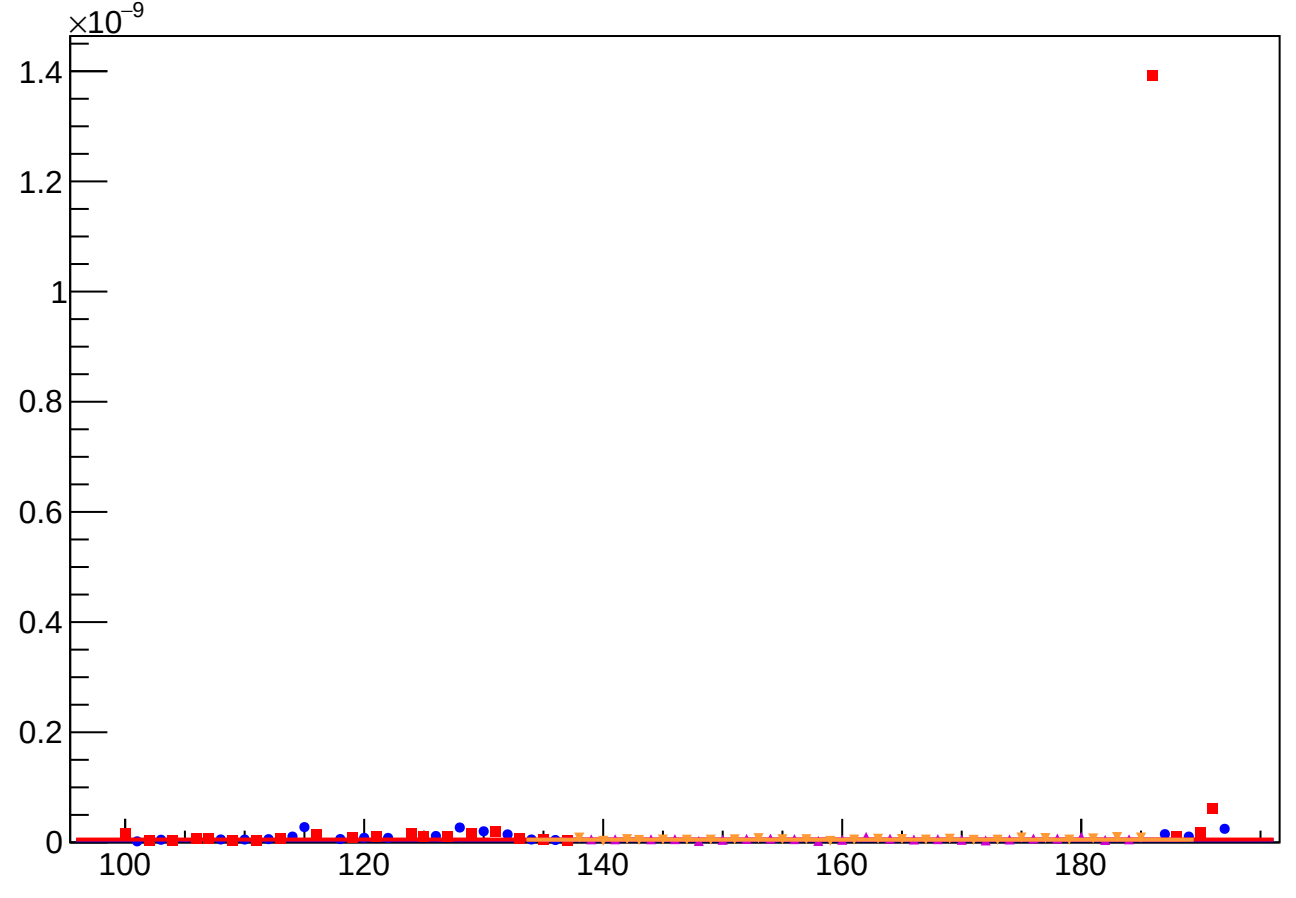
Right: 137.431+/-0.028 χ^2/NDF: 12574582.0/41

In: 204.960+/-0.033 χ^2/NDF:15402605.6/41

Out: 207.823+/-0.032 χ^2/NDF:15673106.8/47

All: 206.420+/-0.023 χ^2/NDF: 31079544.9/89


asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 21.5/18
Left Out: 0.000+/-0.000 χ²/NDF:28.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 11.8/22
Left In: 0.000+/-0.000 χ²/NDF:20.5/22
Left: 0.000+/-0.000 χ²/NDF: 49.1/47
Right: -0.000+/-0.000 χ²/NDF: 33.5/41
In: -0.000+/-0.000 χ²/NDF:42.9/41
Out: 0.000+/-0.000 χ²/NDF:40.4/47
All: -0.000+/-0.000 χ²/NDF: 83.4/89



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: 2213281.9/22

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

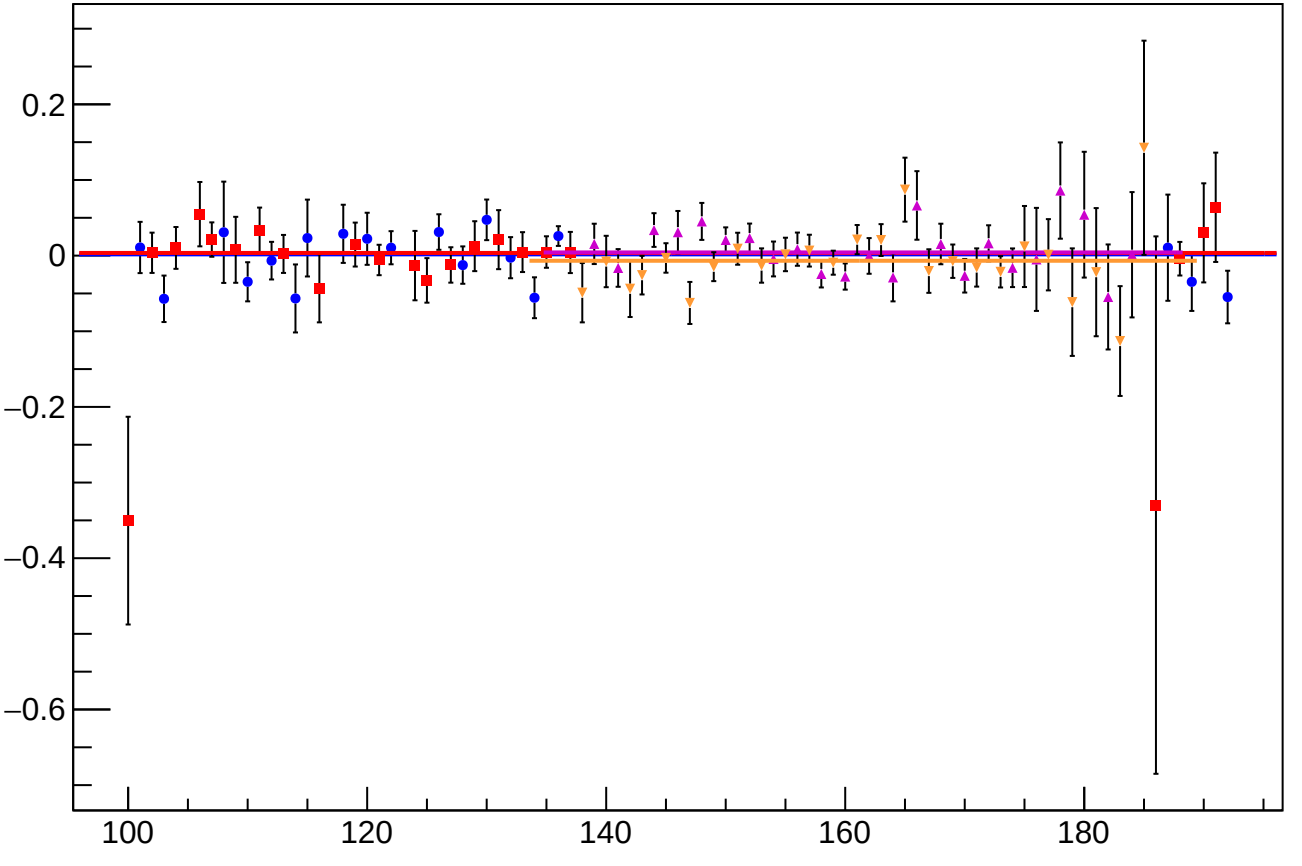
Right: 0.000+/-0.000 χ^2/NDF: 5544955.5/41

In: 0.000+/-0.000 χ^2/NDF:4550994.7/41

Out: 0.000+/-0.000 χ^2/NDF:3514577.5/47

All: 0.000+/-0.000 χ^2/NDF: 8178930.1/89

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 0.004+/-0.006 χ^2/NDF: 15.5/22

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

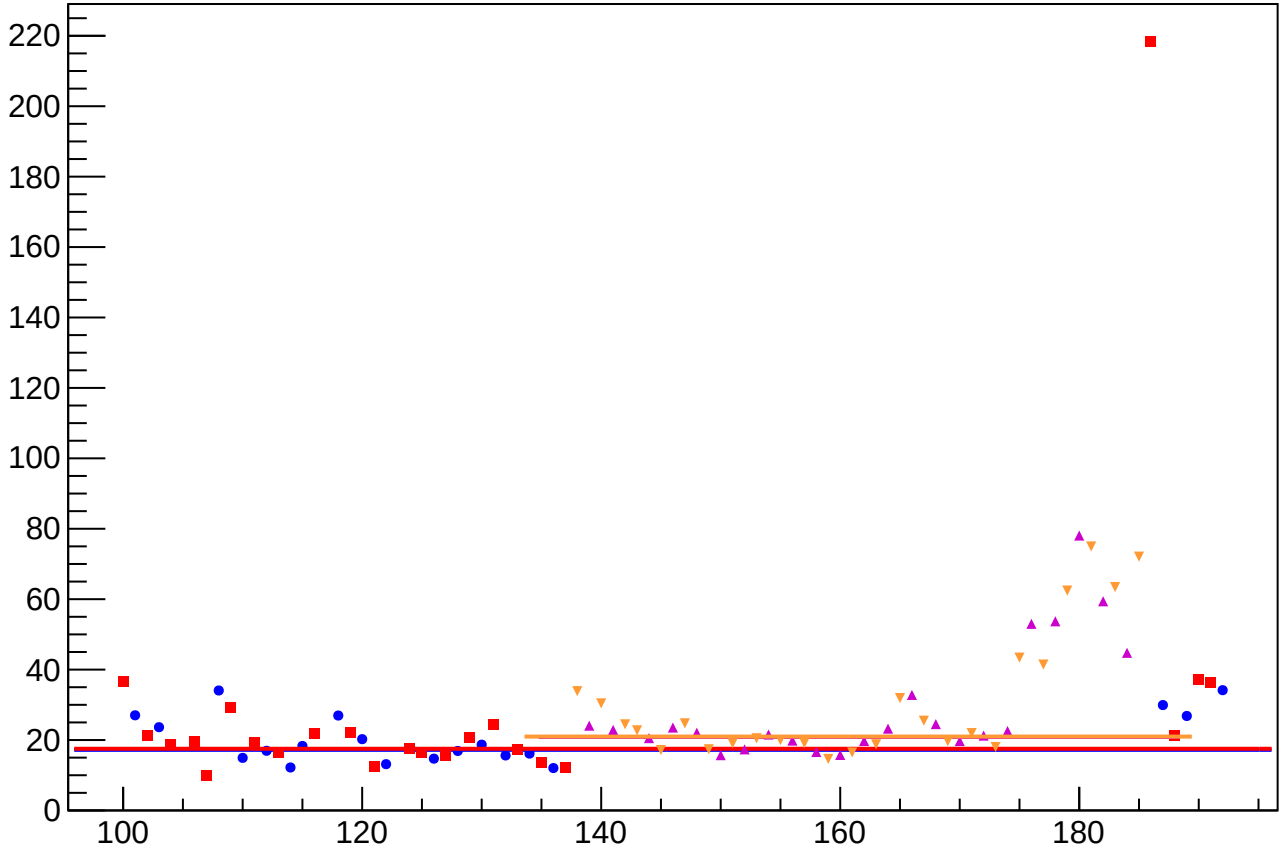
Right: 0.003+/-0.004 χ^2/NDF: 40.7/41

In: 0.003+/-0.004 χ^2/NDF:48.5/41

Out: -0.003+/-0.004 χ^2/NDF:38.8/47

All: 0.000+/-0.003 χ^2/NDF: 88.3/89

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: 17.520+/-0.004 χ^2/NDF: 1901869.7/22

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

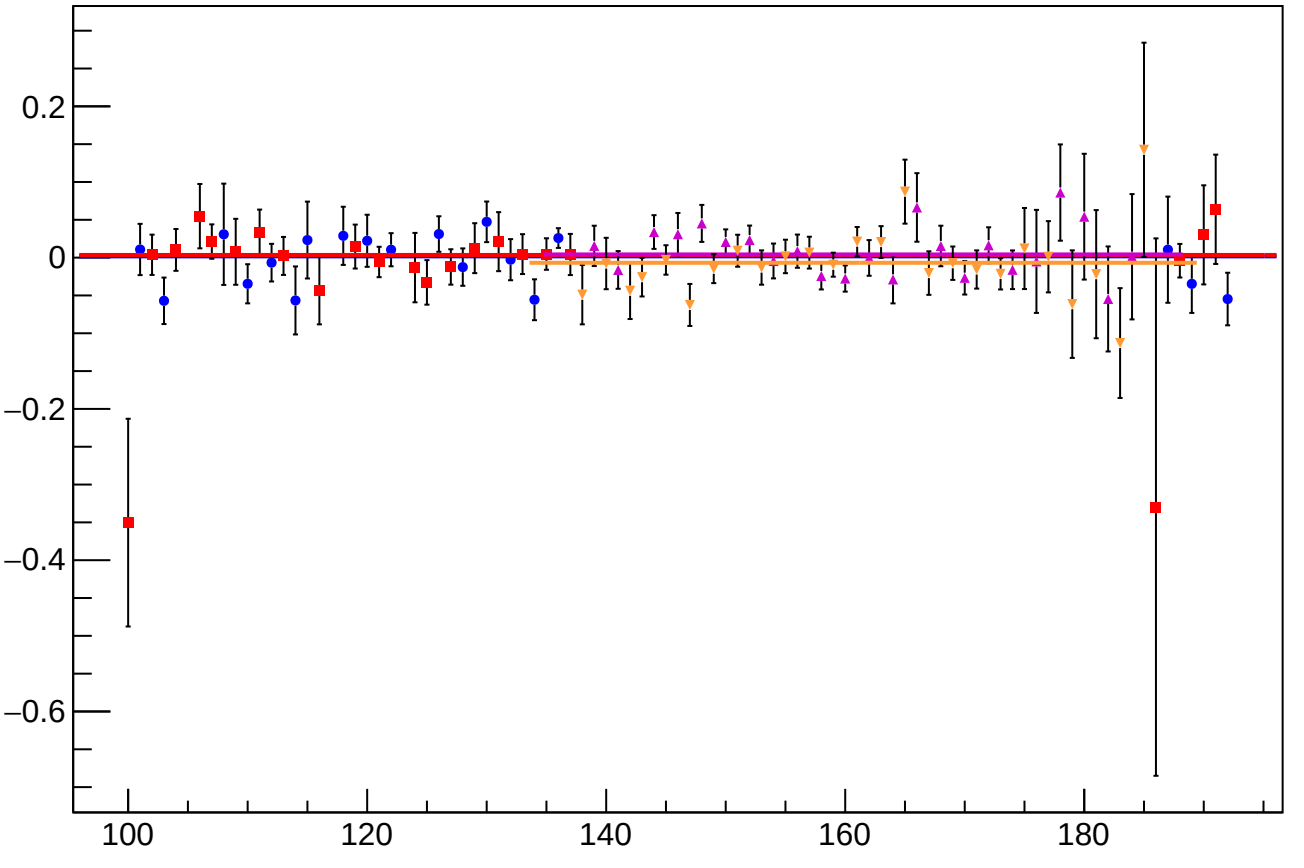
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 17.368+/-0.003 χ^2/NDF: 3560967.0/41

In: 19.366+/-0.003 χ^2/NDF:5583567.9/41

Out: 19.576+/-0.003 χ^2/NDF:6727929.4/47

All: 19.473+/-0.002 χ^2/NDF: 12314197.8/89



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: 0.004+/-0.006 χ^2/NDF: 15.5/22

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

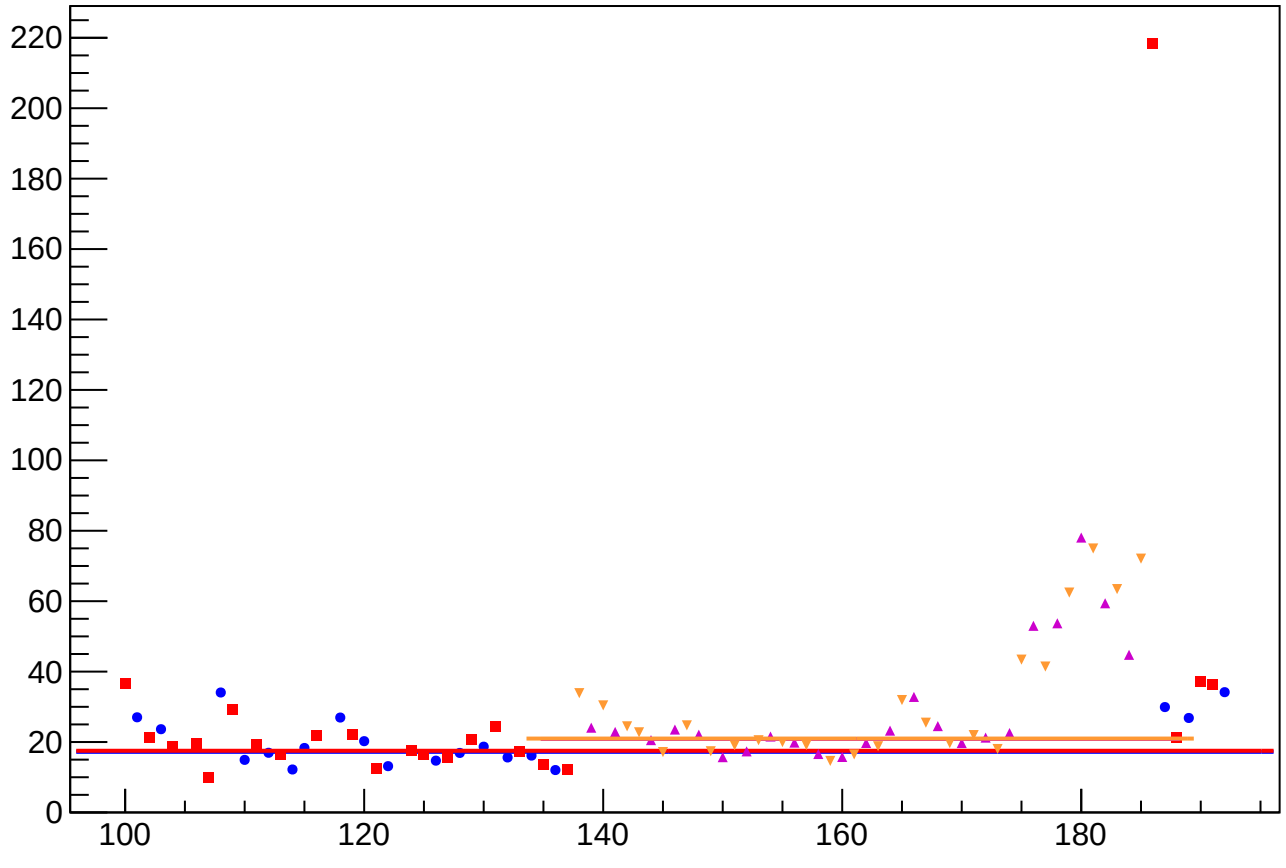
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: 0.003+/-0.004 χ^2/NDF: 40.7/41

In: 0.003+/-0.004 χ^2/NDF:48.5/41

Out: -0.003+/-0.004 χ^2/NDF:38.8/47

All: 0.000+/-0.003 χ^2/NDF: 88.3/89



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: 17.520+/-0.004 χ^2/NDF: 1901869.7/22

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

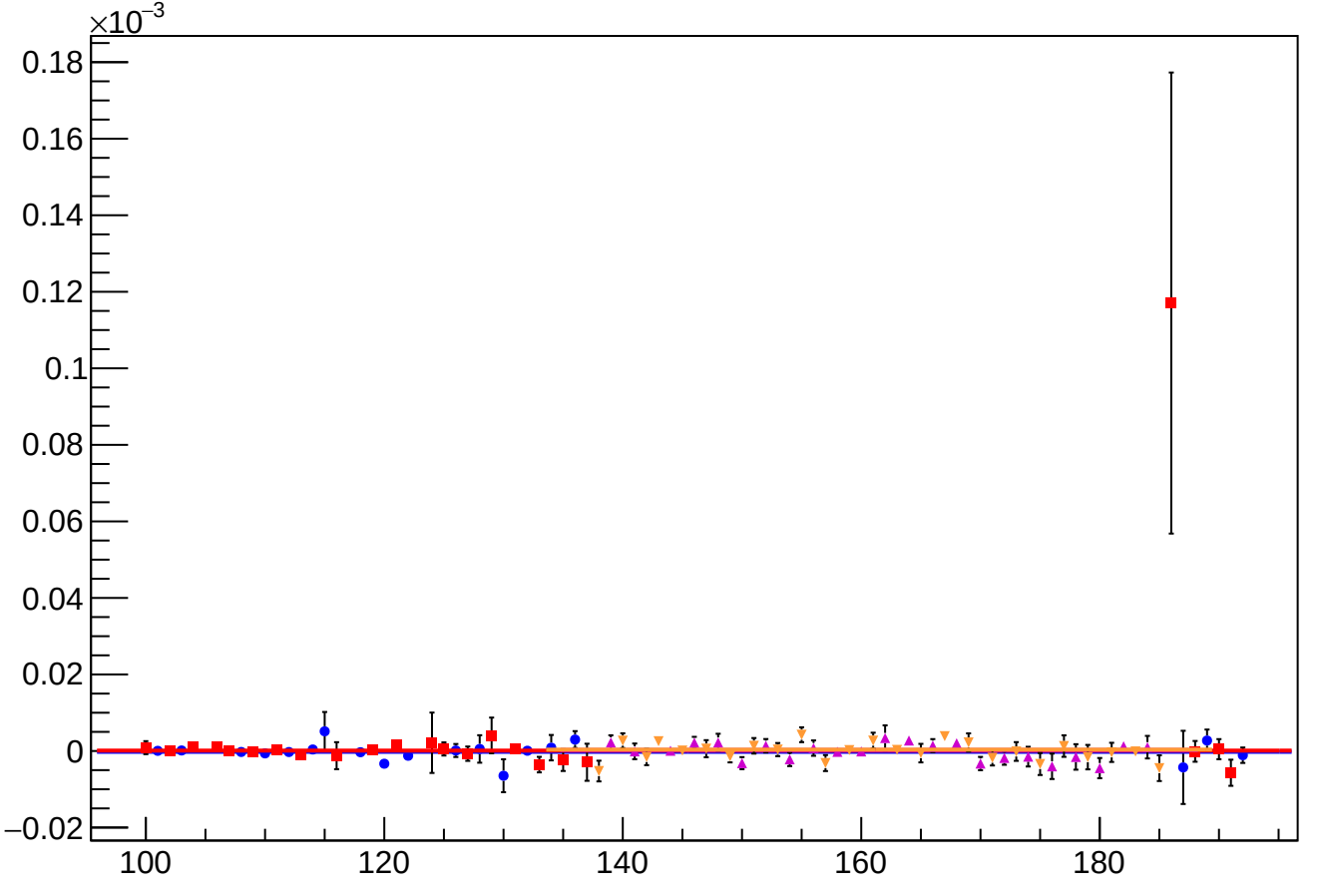
Right: 17.368+/-0.003 χ^2/NDF: 3560967.0/41

In: 19.366+/-0.003 χ^2/NDF:5583567.9/41

Out: 19.576+/-0.003 χ^2/NDF:6727929.4/47

All: 19.473+/-0.002 χ^2/NDF: 12314197.8/89

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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: 26.9/22

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

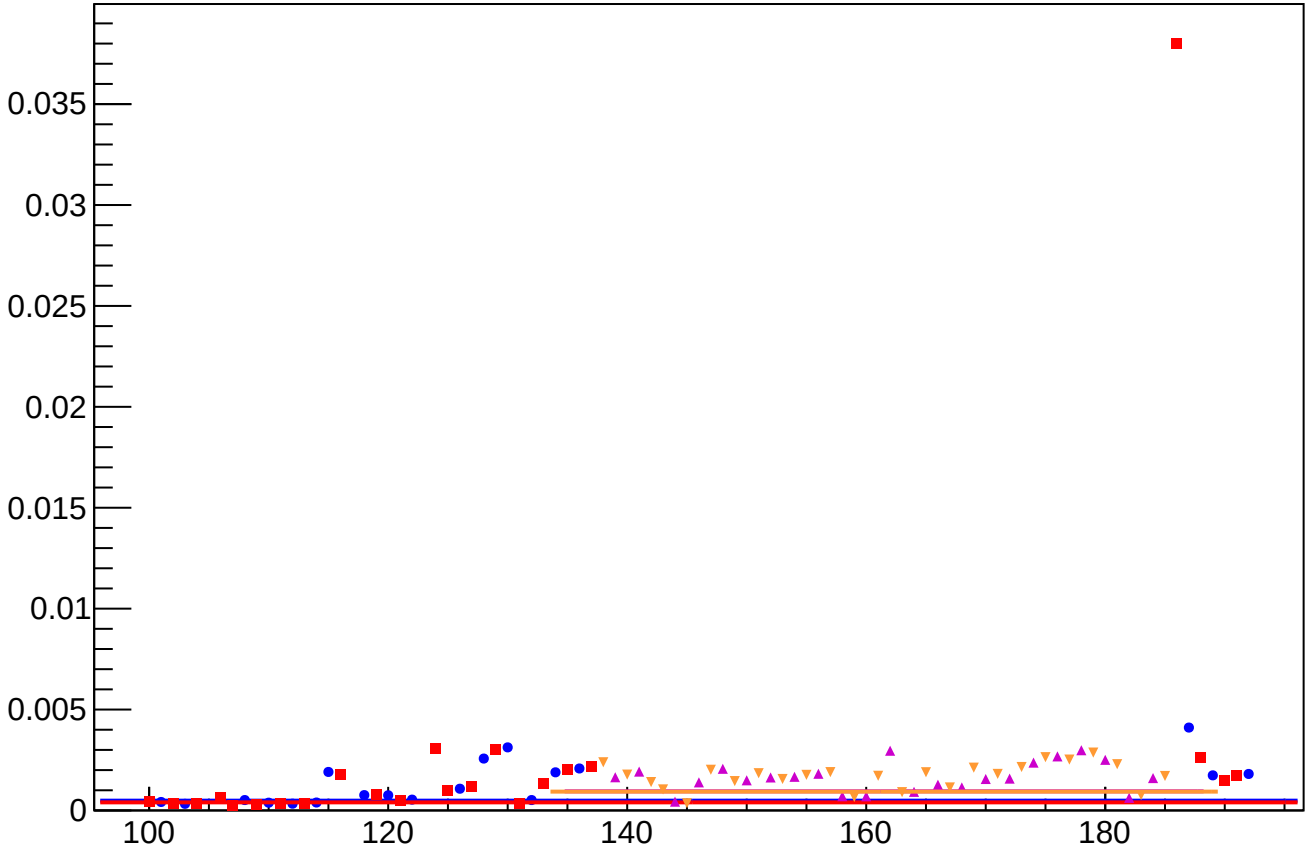
Right: -0.000+/-0.000 χ^2/NDF: 44.2/41

In: -0.000+/-0.000 χ^2/NDF:49.6/41

Out: 0.000+/-0.000 χ^2/NDF:61.8/47

All: 0.000+/-0.000 χ^2/NDF: 112.3/89

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: 6827931.6/22

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

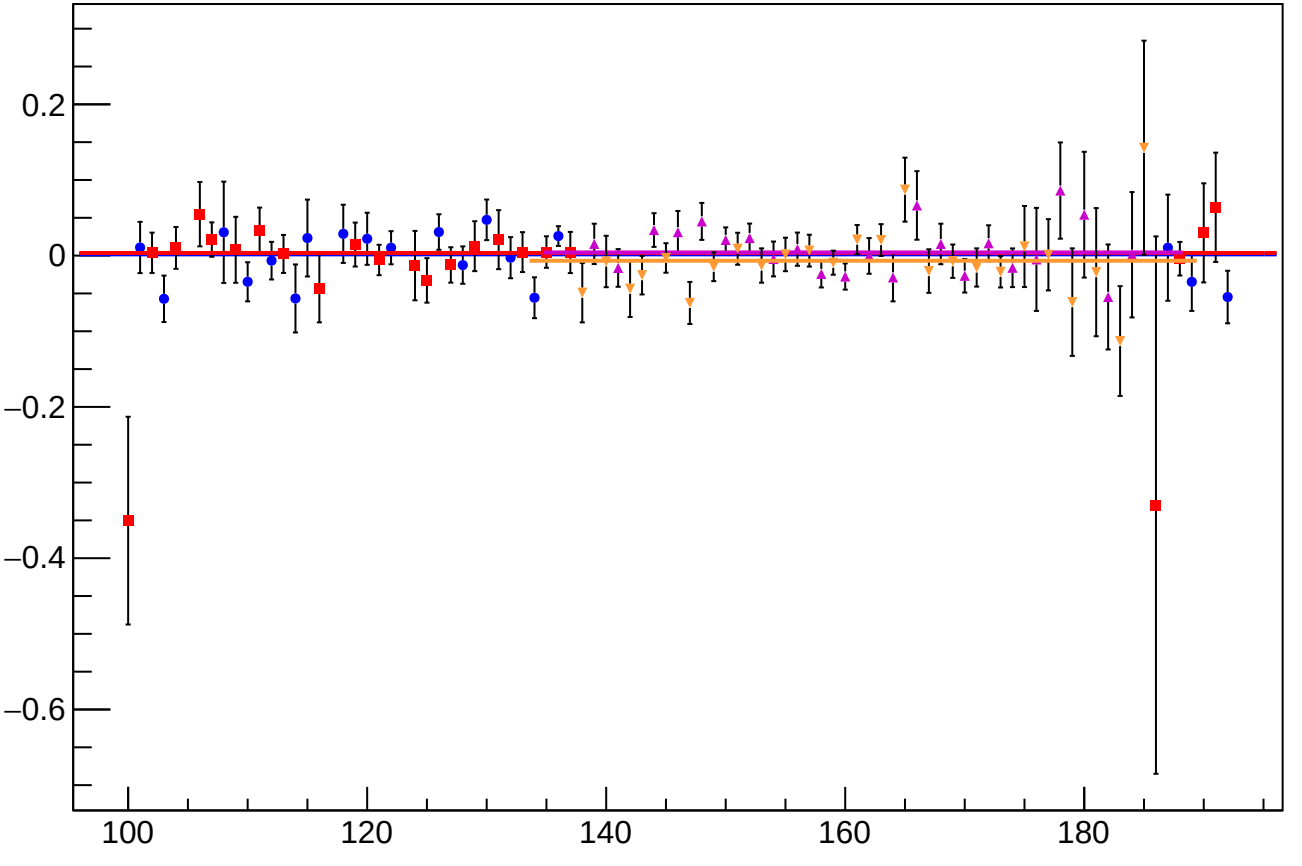
Right: 0.000+/-0.000 χ^2/NDF: 12590717.1/41

In: 0.001+/-0.000 χ^2/NDF:18879989.1/41

Out: 0.001+/-0.000 χ^2/NDF:24611083.2/47

All: 0.001+/-0.000 χ^2/NDF: 43911783.4/89

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 0.004+/-0.006 χ^2/NDF: 15.5/22

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

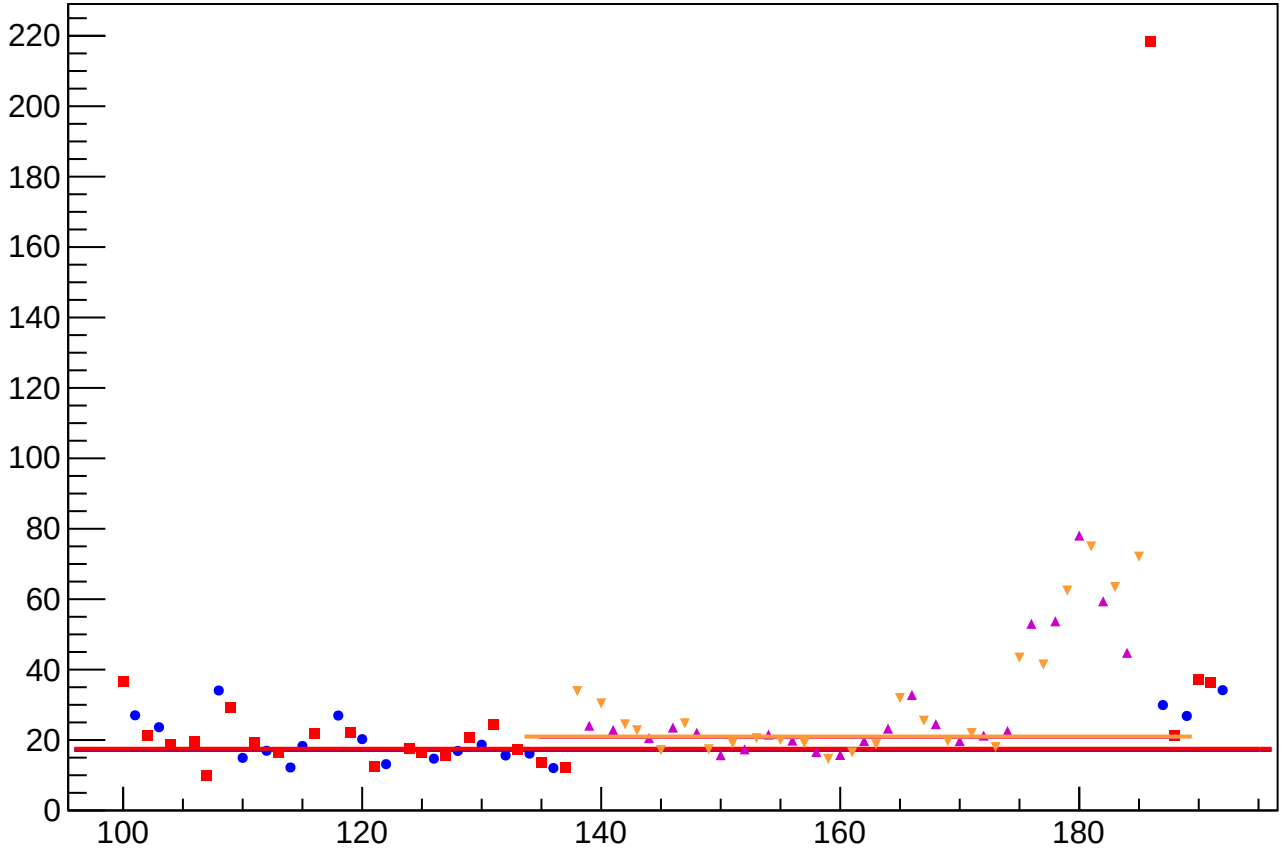
Right: 0.003+/-0.004 χ^2/NDF: 40.7/41

In: 0.003+/-0.004 χ^2/NDF:48.5/41

Out: -0.003+/-0.004 χ^2/NDF:38.8/47

All: 0.000+/-0.003 χ^2/NDF: 88.3/89

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: 17.520+/-0.004 χ^2/NDF: 1901866.0/22

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

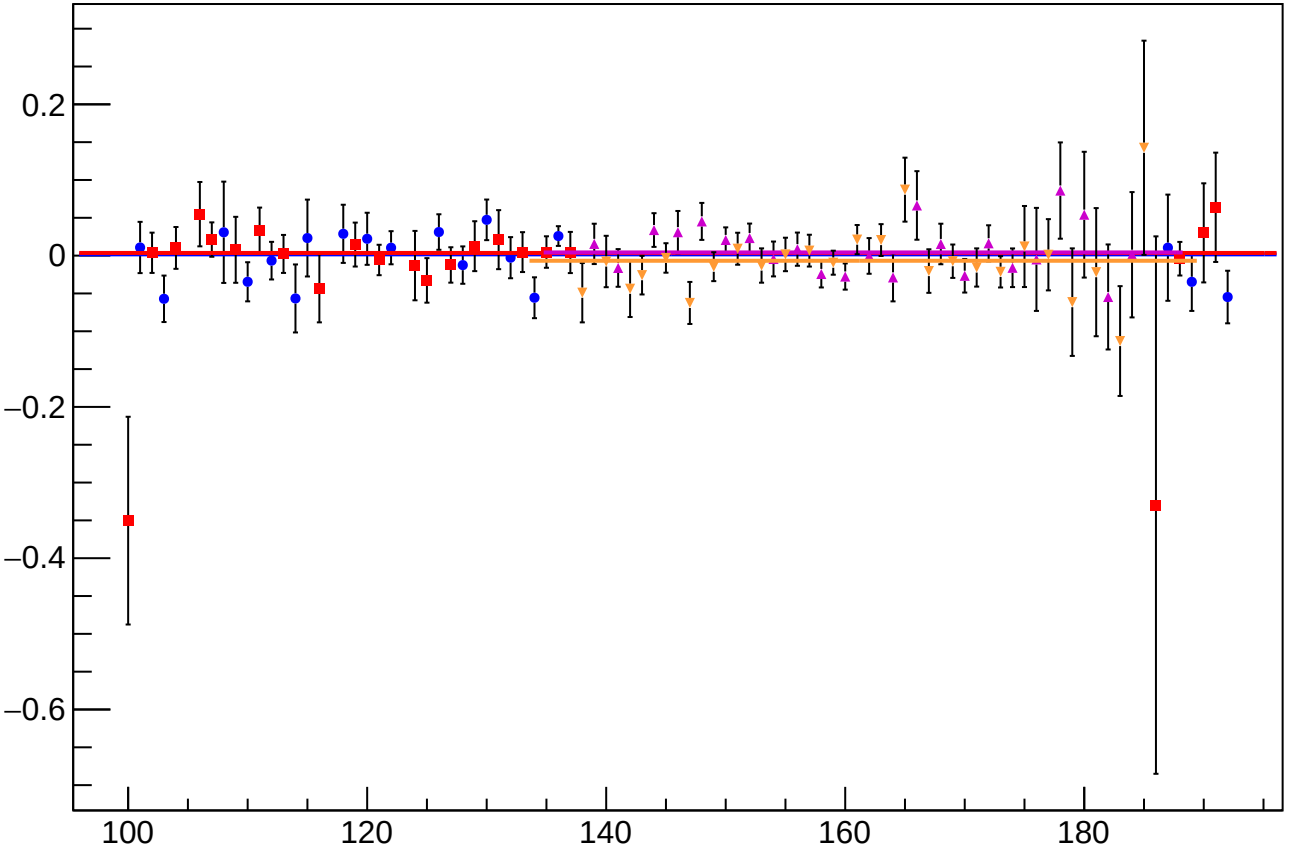
Right: 17.368+/-0.003 χ^2/NDF: 3561007.6/41

In: 19.366+/-0.003 χ^2/NDF:5583710.3/41

Out: 19.576+/-0.003 χ^2/NDF:6727976.7/47

All: 19.473+/-0.002 χ^2/NDF: 12314387.7/89

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.004+/-0.006 χ^2/NDF: 15.5/22

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

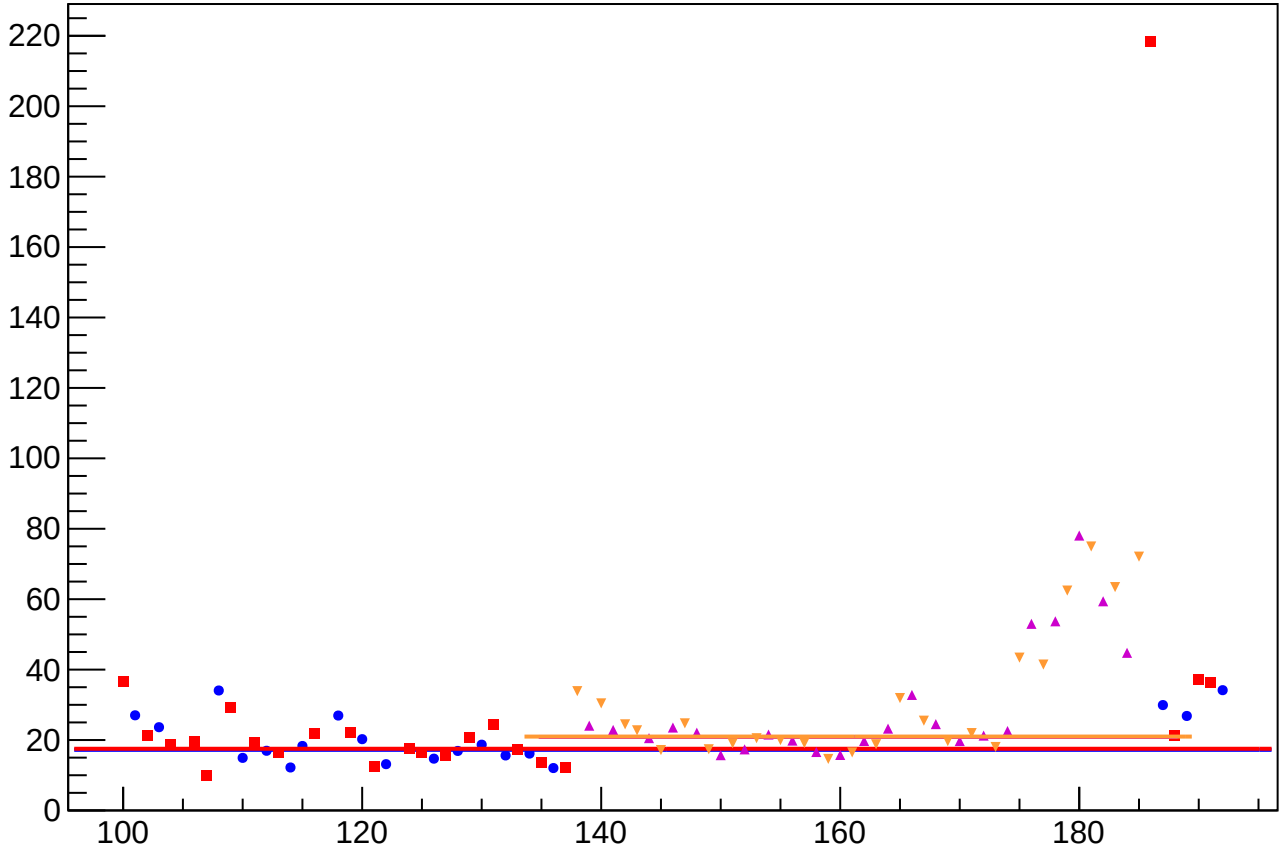
Right: 0.003+/-0.004 χ^2/NDF: 40.7/41

In: 0.003+/-0.004 χ^2/NDF:48.5/41

Out: -0.003+/-0.004 χ^2/NDF:38.8/47

All: 0.000+/-0.003 χ^2/NDF: 88.3/89

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: 17.520+/-0.004 χ^2/NDF: 1901866.0/22

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

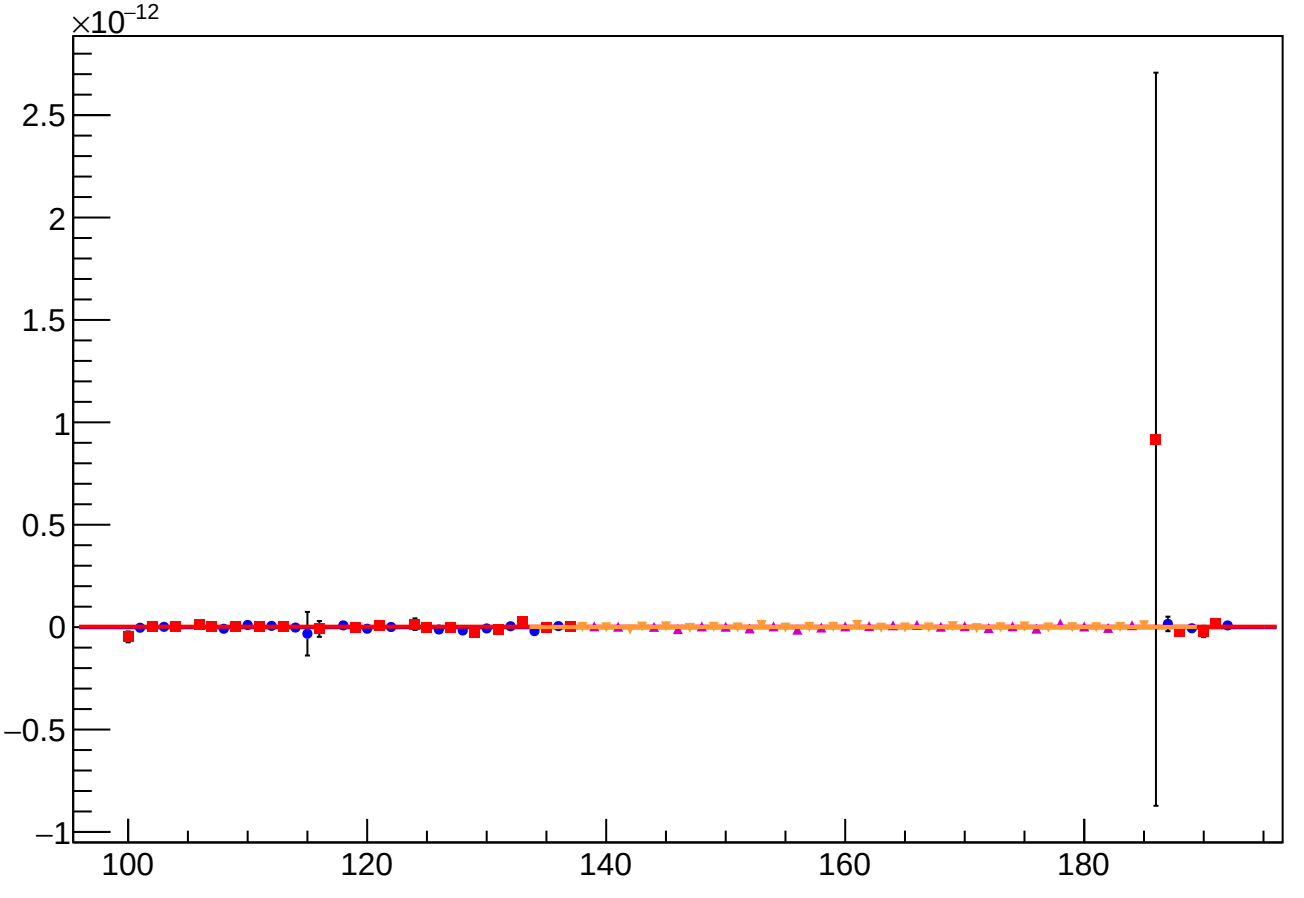
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 17.368+/-0.003 χ^2/NDF: 3561007.6/41

In: 19.366+/-0.003 χ^2/NDF:5583710.3/41

Out: 19.576+/-0.003 χ^2/NDF:6727976.7/47

All: 19.473+/-0.002 χ^2/NDF: 12314387.7/89



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: 18.4/22

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

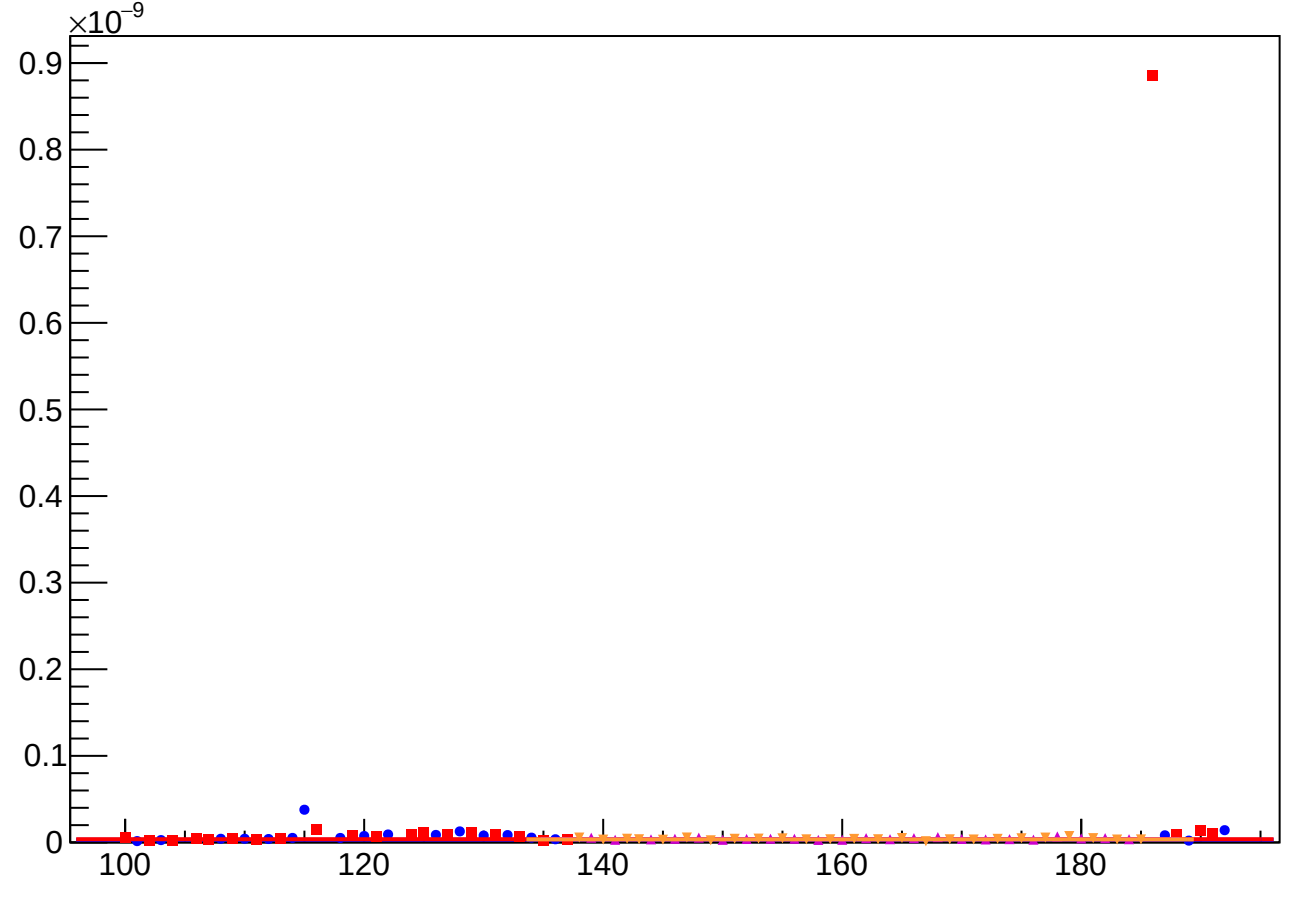
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 33.2/41

In: 0.000+/-0.000 χ^2/NDF:40.1/41

Out: 0.000+/-0.000 χ^2/NDF:33.8/47

All: 0.000+/-0.000 χ^2/NDF: 74.3/89



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: 3887394.4/22

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

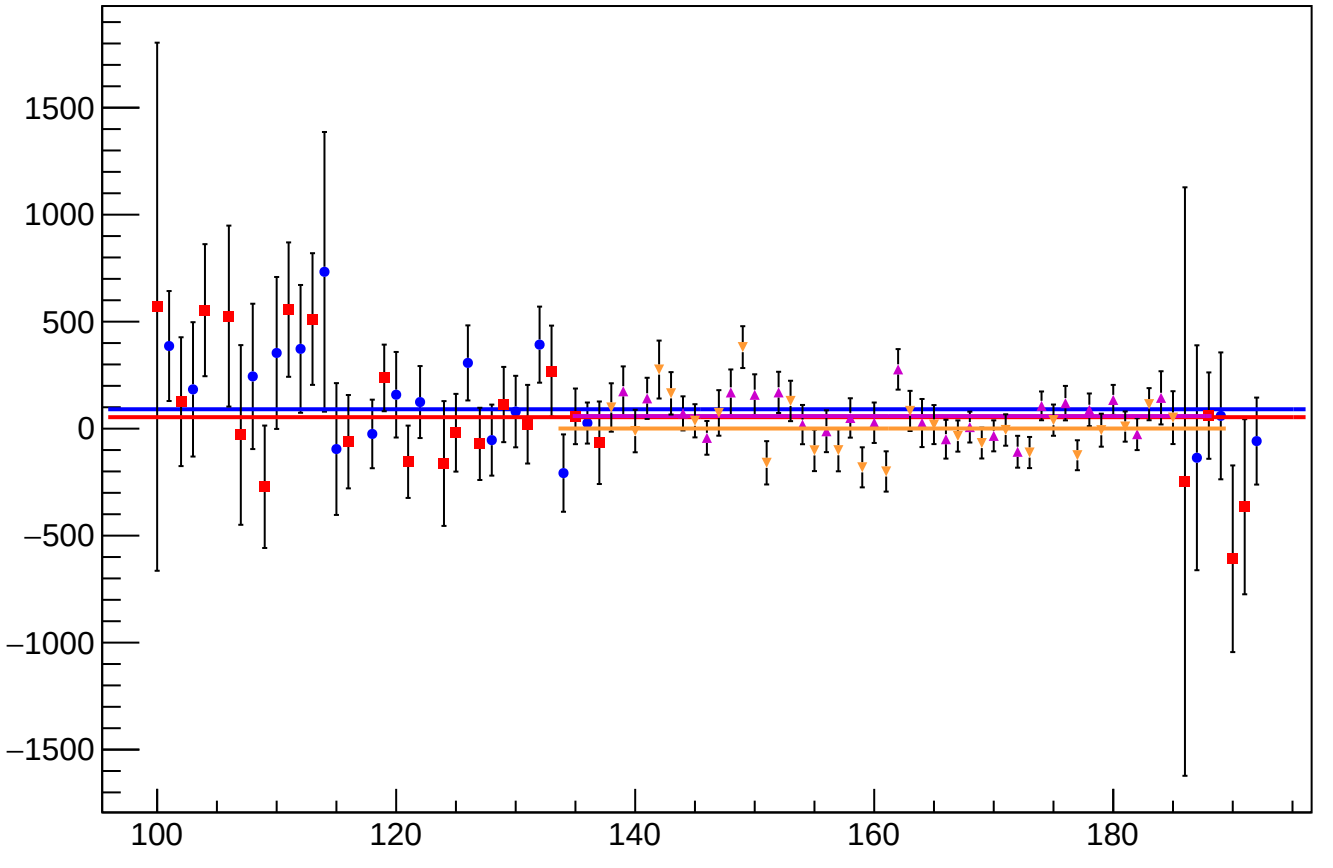
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 7723018.5/41

In: 0.000+/-0.000 χ^2/NDF:5246322.4/41

Out: 0.000+/-0.000 χ^2/NDF:6430509.1/47

All: 0.000+/-0.000 χ^2/NDF: 11679413.2/89



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: 53.613+/-47.283 χ^2/NDF: 19.6/22

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

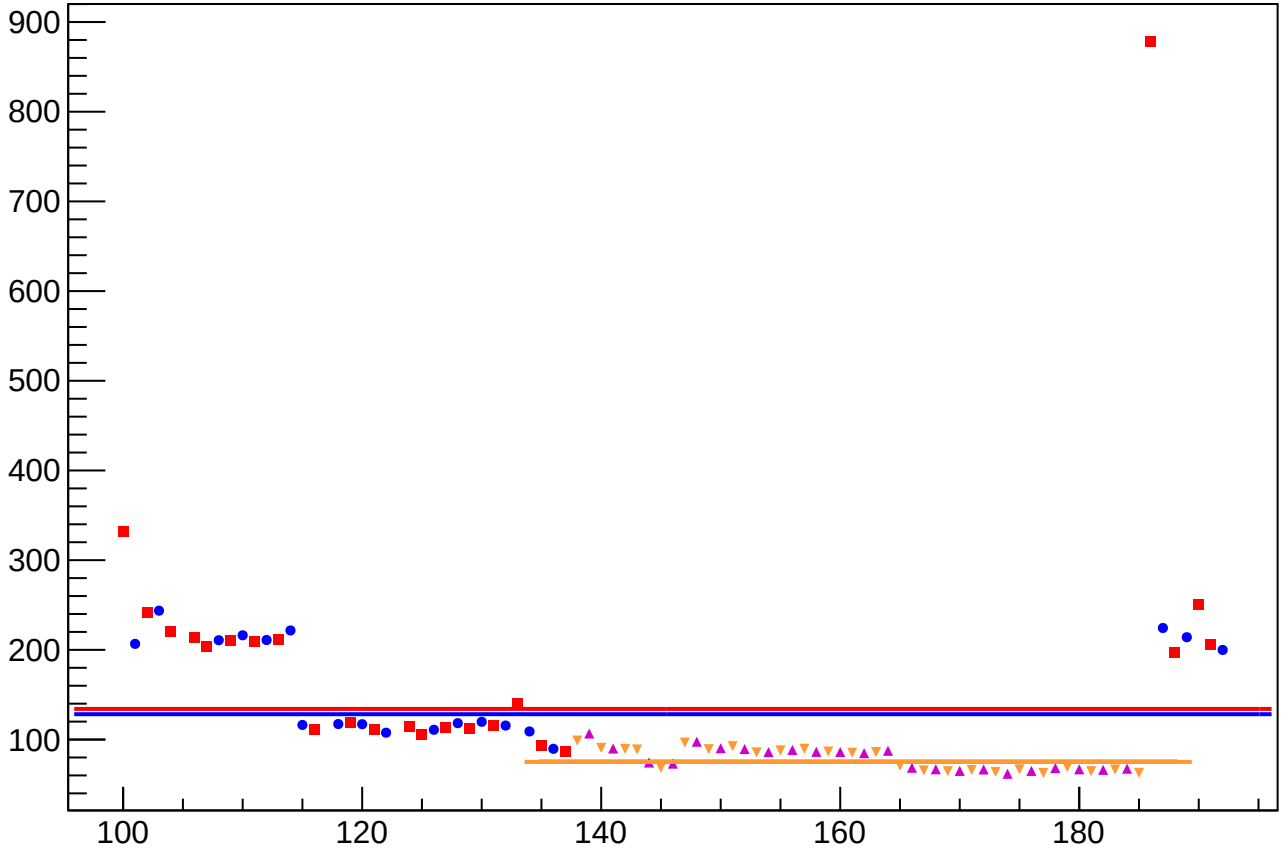
Right: 72.775+/-32.840 χ^2/NDF: 34.1/41

In: 63.127+/-16.647 χ^2/NDF:40.4/41

Out: 6.869+/-16.263 χ^2/NDF:69.3/47

All: 34.340+/-11.633 χ^2/NDF: 115.5/89

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: 134.162+/-0.033 χ^2/NDF: 2494675.1/22

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

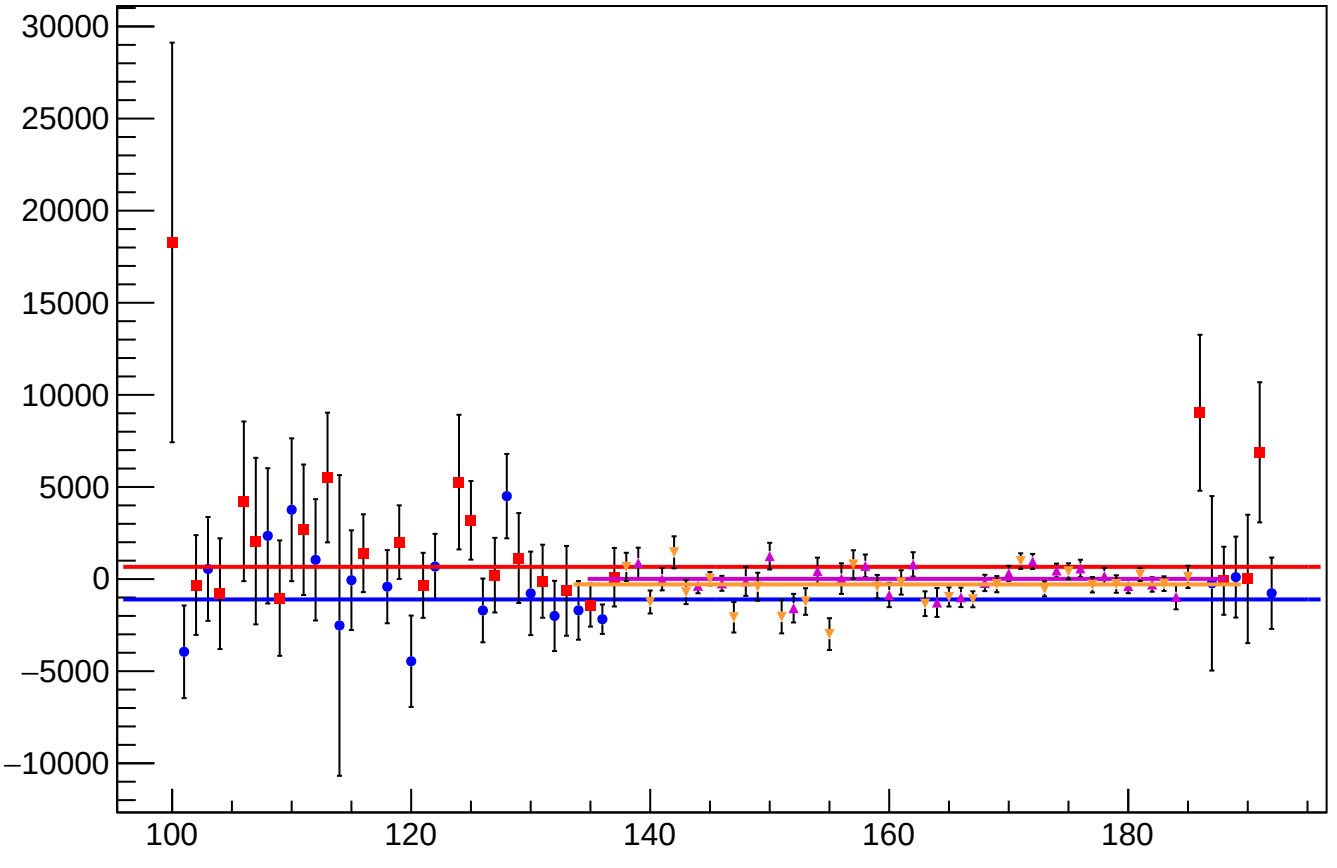
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

Right: 131.109+/-0.023 χ^2/NDF: 4322970.9/41

In: 82.390+/-0.012 χ^2/NDF:4979912.2/41

Out: 82.035+/-0.011 χ^2/NDF:6179686.9/47

All: 82.209+/-0.008 χ^2/NDF: 11160065.4/89



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: 663.651+/-489.479 χ^2/NDF: 20.8/22

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

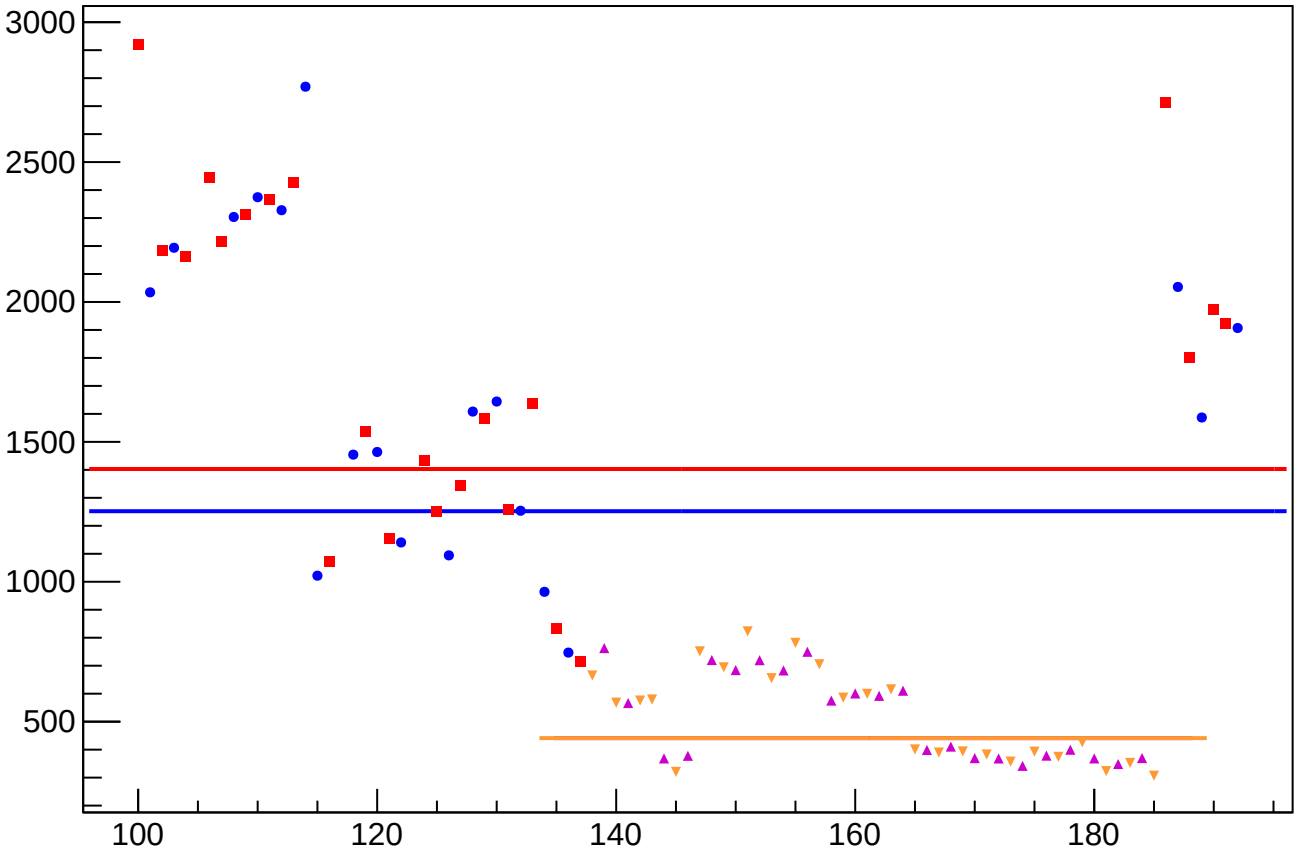
Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

Right: -289.549+/-332.373 χ^2/NDF: 44.1/41

In: -49.077+/-104.748 χ^2/NDF:55.5/41

Out: -246.034+/-102.881 χ^2/NDF:77.7/47

All: -149.327+/-73.399 χ^2/NDF: 134.9/89



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: 1403.020+/-0.346 χ^2/NDF: 2372994.5/22

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

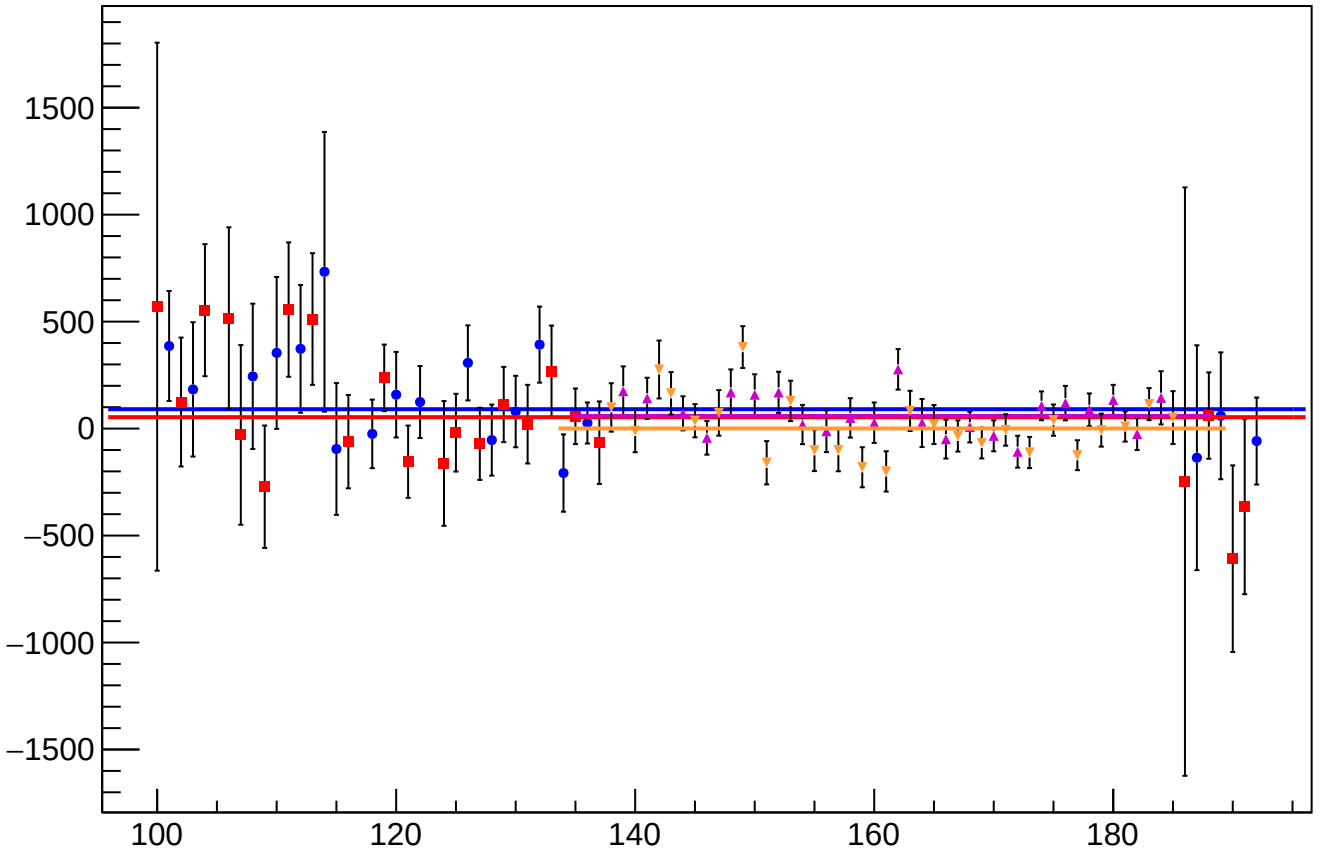
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1321.739+/-0.235 χ^2/NDF: 4888096.5/41

In: 484.605+/-0.074 χ^2/NDF:11168481.5/41

Out: 483.622+/-0.073 χ^2/NDF:12989927.5/47

All: 484.105+/-0.052 χ^2/NDF: 24158498.6/89



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: 53.403+/-47.286 χ^2/NDF: 19.6/22

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

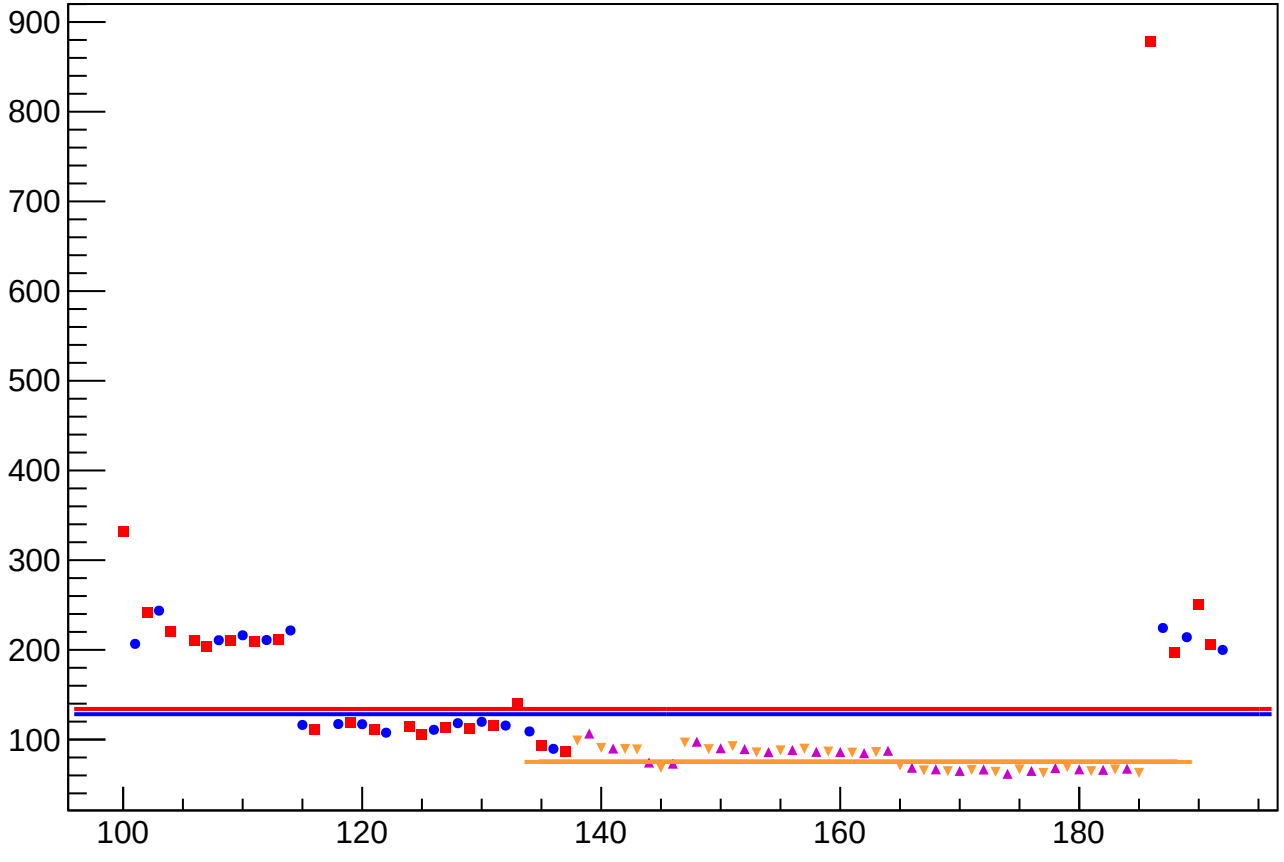
Right: 72.668+/-32.841 χ^2/NDF: 34.0/41

In: 63.123+/-16.647 χ^2/NDF:40.4/41

Out: 6.844+/-16.263 χ^2/NDF:69.2/47

All: 34.326+/-11.633 χ^2/NDF: 115.5/89

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: 134.117+/-0.033 χ^2/NDF: 2489149.9/22

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

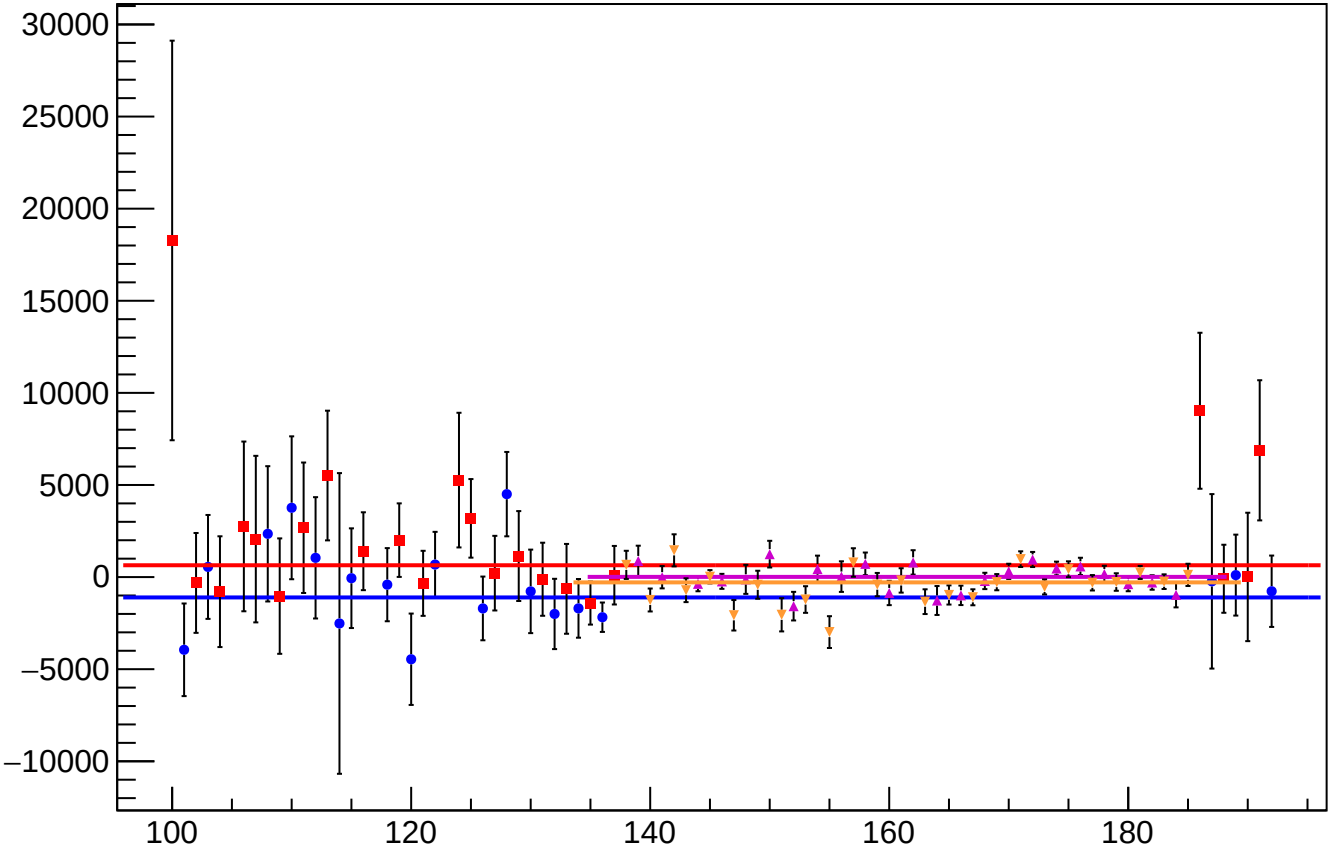
Right: 131.087+/-0.023 χ^2/NDF: 4317201.7/41

In: 82.390+/-0.012 χ^2/NDF:4979914.2/41

Out: 82.029+/-0.011 χ^2/NDF:6169675.9/47

All: 82.206+/-0.008 χ^2/NDF: 11150072.4/89

asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected



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: 641.998+/-489.848 χ^2/NDF: 20.3/22

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

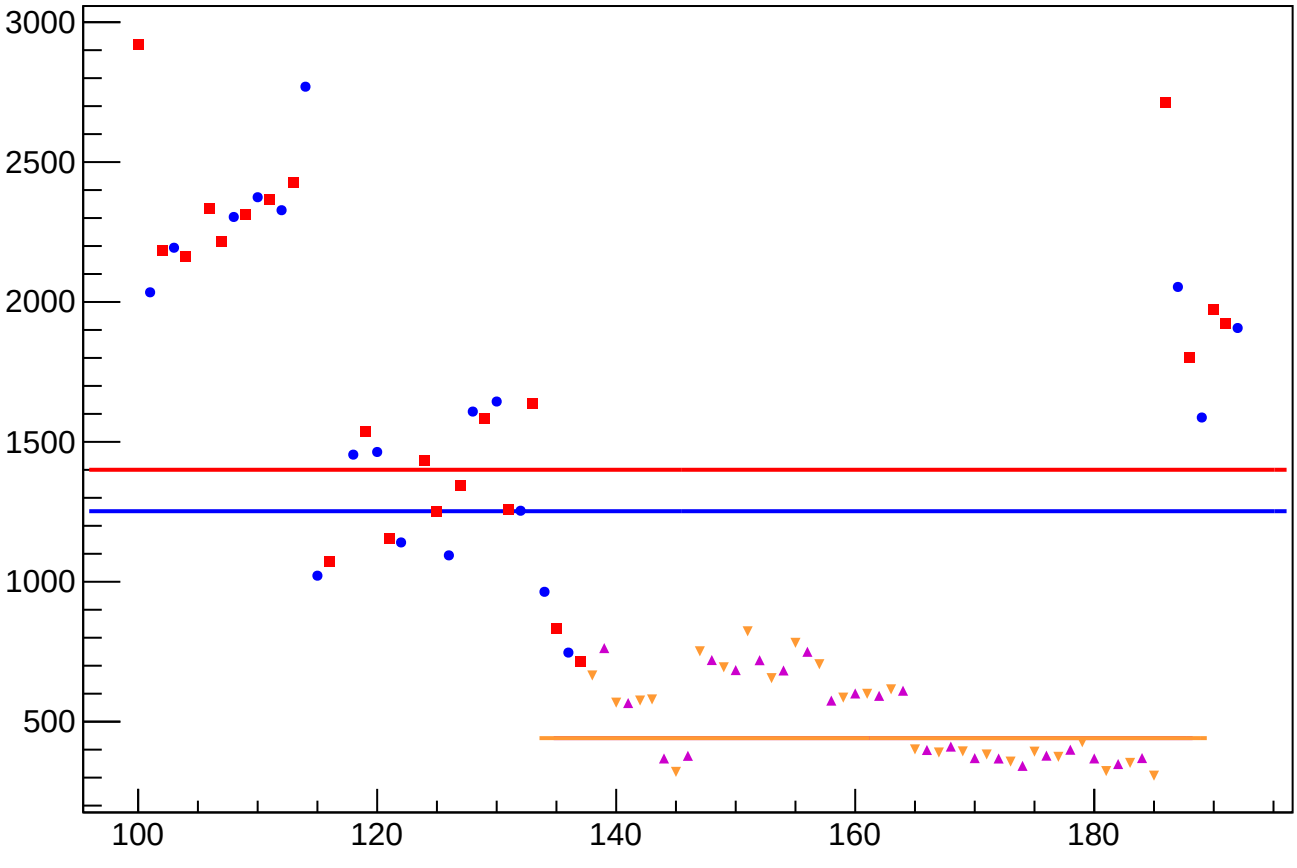
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -300.175+/-332.489 χ^2/NDF: 43.5/41

In: -49.075+/-104.748 χ^2/NDF:55.5/41

Out: -247.050+/-102.884 χ^2/NDF:77.0/47

All: -149.840+/-73.400 χ^2/NDF: 134.3/89



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: 1400.271+/-0.346 χ^2/NDF: 2339707.6/22

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

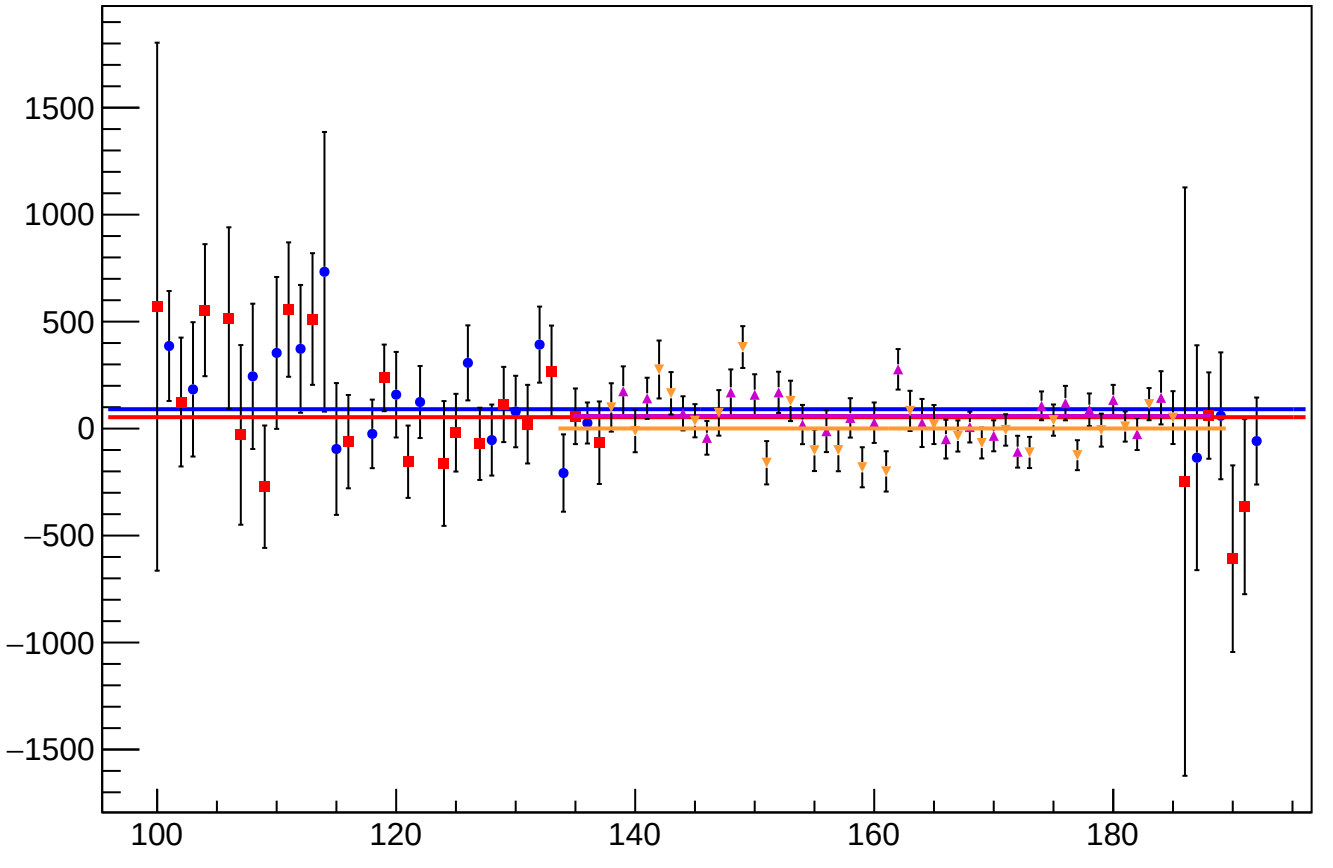
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1320.416+/-0.235 χ^2/NDF: 4851063.7/41

In: 484.605+/-0.074 χ^2/NDF:11168492.1/41

Out: 483.440+/-0.073 χ^2/NDF:12903906.8/47

All: 484.012+/-0.052 χ^2/NDF: 24072525.0/89



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: 53.403+/-47.286 χ^2/NDF: 19.6/22

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

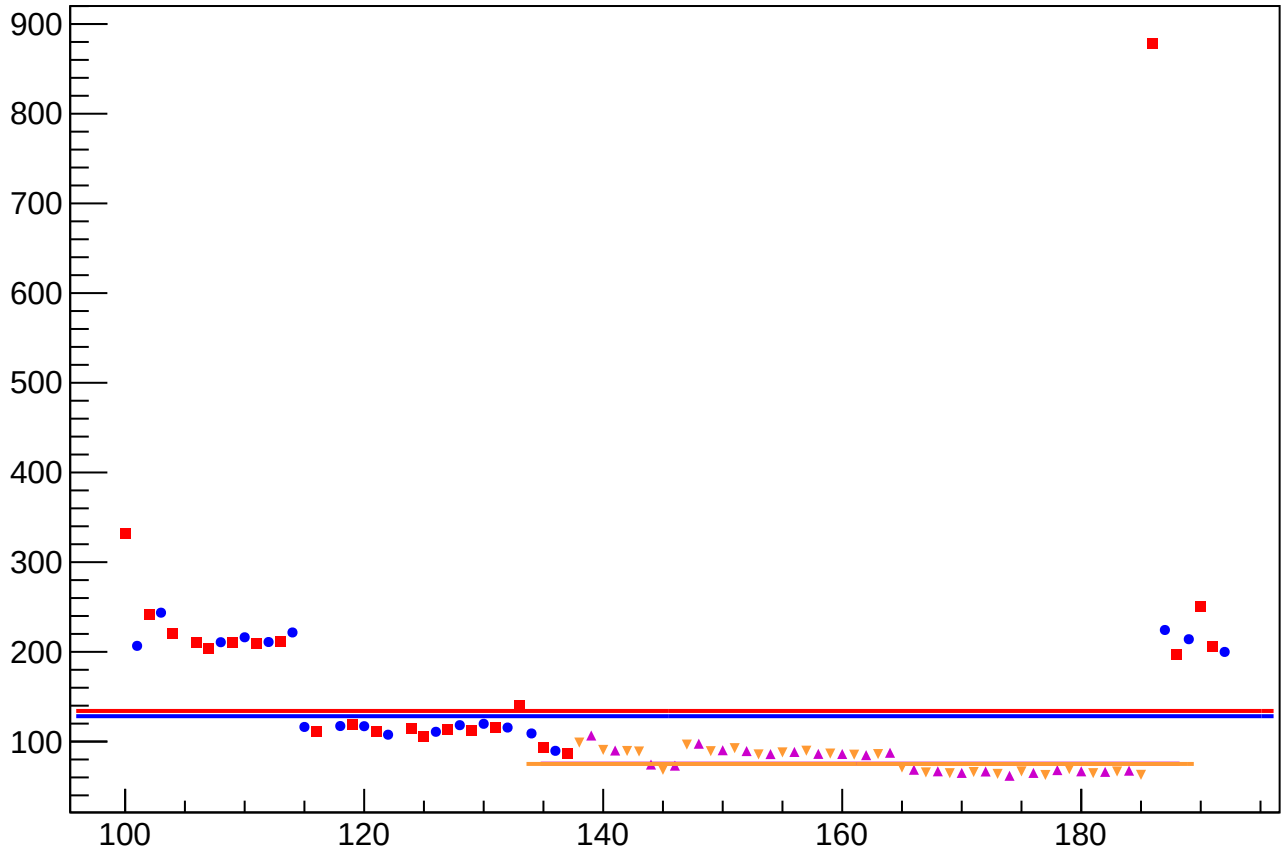
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 72.668+/-32.841 χ^2/NDF: 34.0/41

In: 63.123+/-16.647 χ^2/NDF:40.4/41

Out: 6.844+/-16.263 χ^2/NDF:69.2/47

All: 34.326+/-11.633 χ^2/NDF: 115.5/89



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: 134.117+/-0.033 χ^2/NDF: 2489149.9/22

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

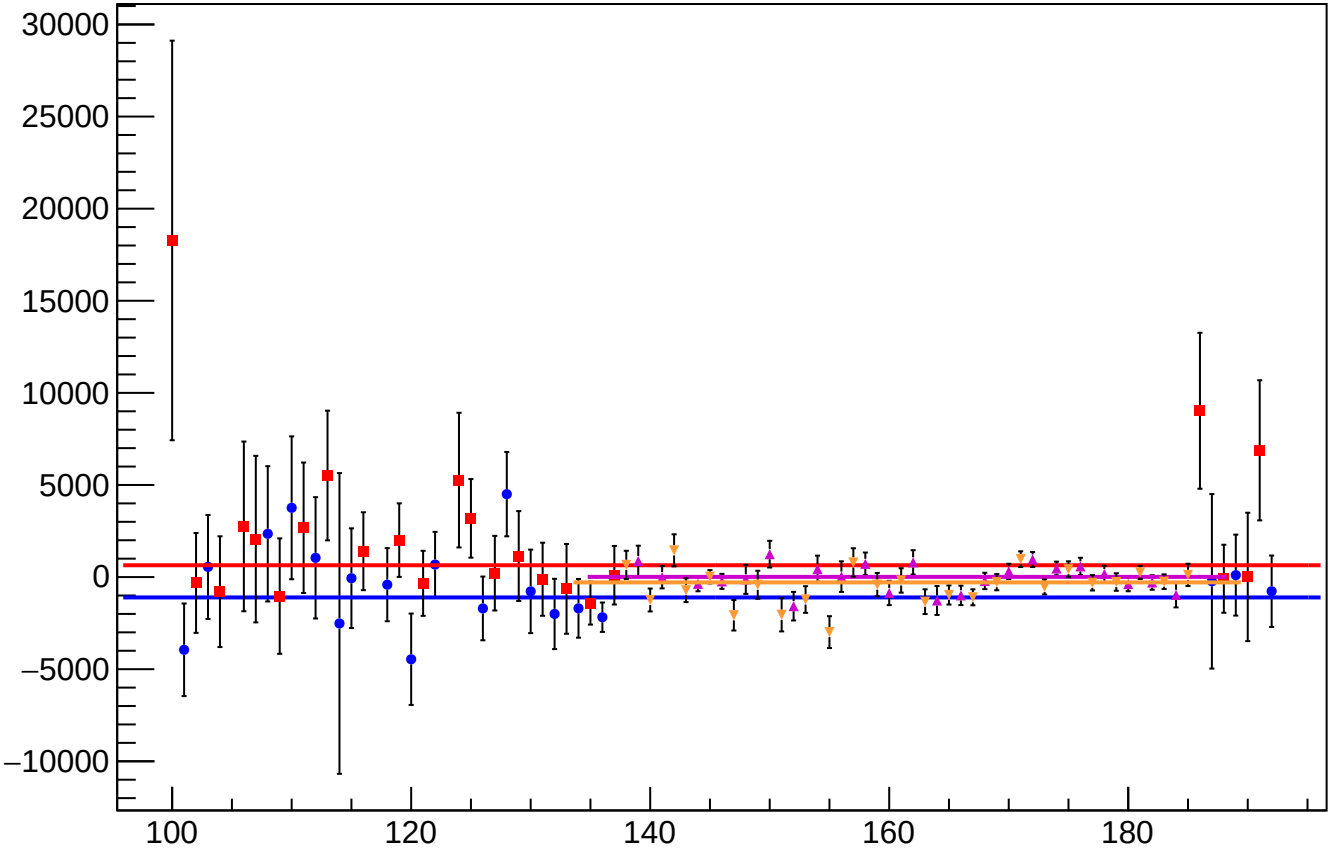
Right: 131.087+/-0.023 χ^2/NDF: 4317201.7/41

In: 82.390+/-0.012 χ^2/NDF:4979914.2/41

Out: 82.029+/-0.011 χ^2/NDF:6169675.9/47

All: 82.206+/-0.008 χ^2/NDF: 11150072.4/89

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 641.998+/-489.848 χ^2/NDF: 20.3/22

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

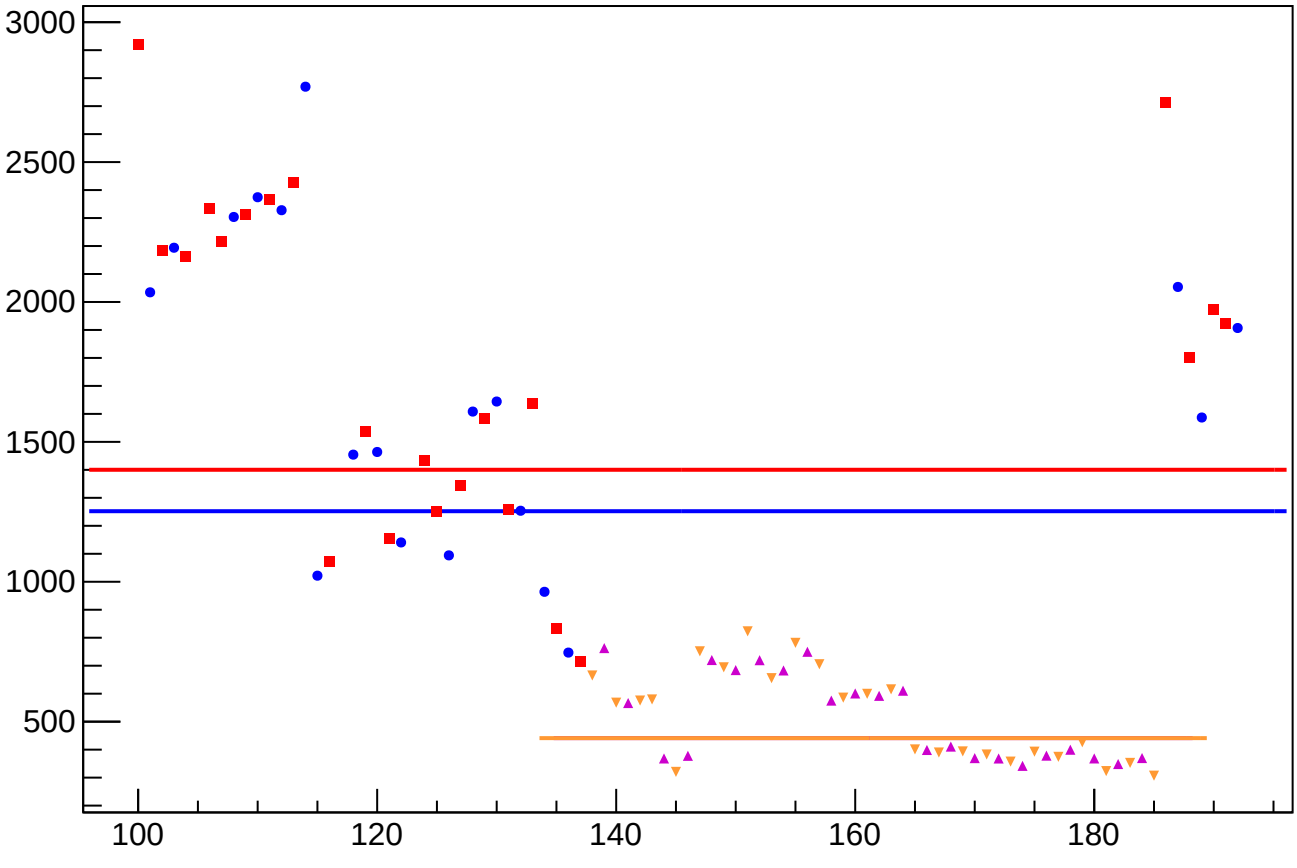
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

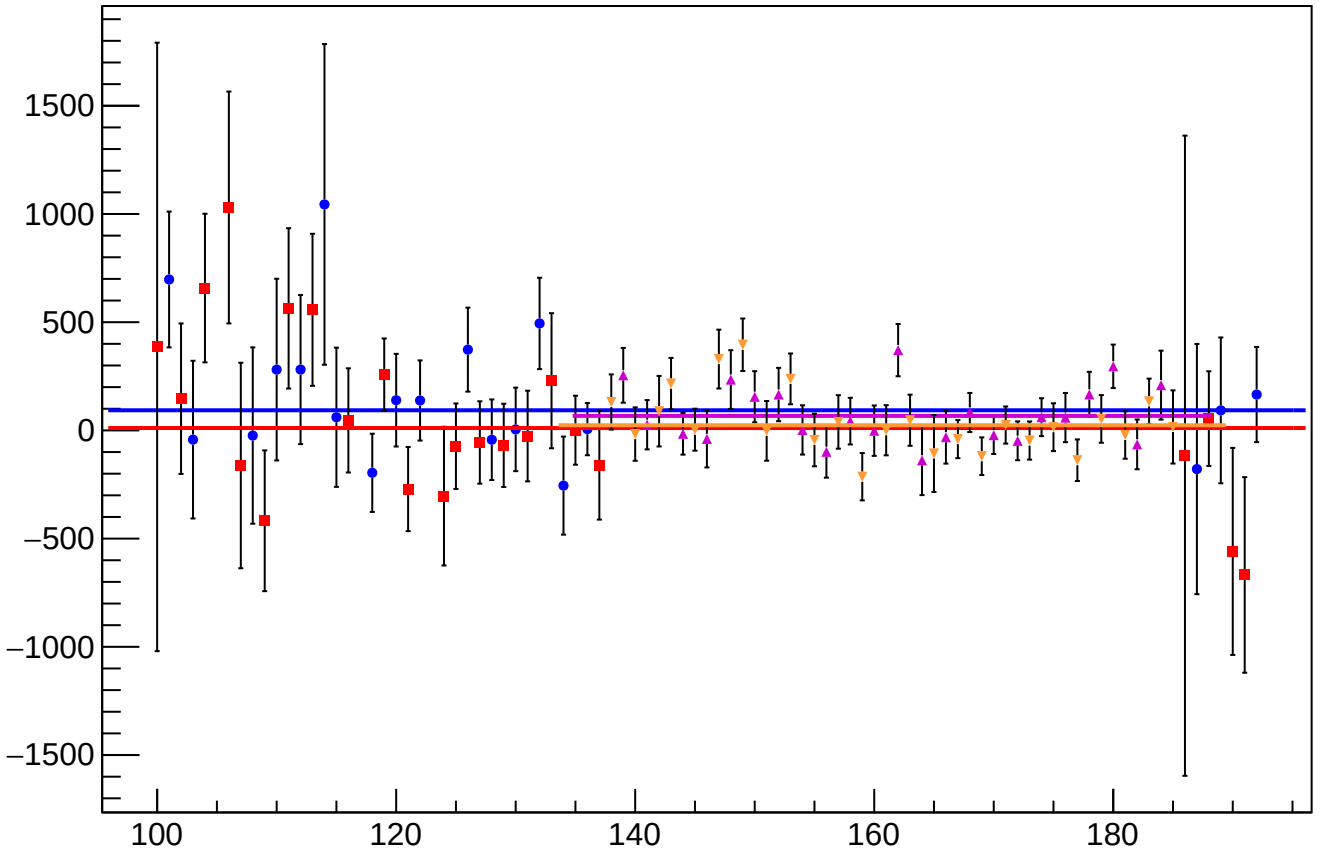
Right: -300.175+/-332.489 χ^2/NDF: 43.5/41

In: -49.075+/-104.748 χ^2/NDF:55.5/41

Out: -247.050+/-102.884 χ^2/NDF:77.0/47

All: -149.840+/-73.400 χ^2/NDF: 134.3/89


asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 1252.196+/-0.320 χ²/NDF: 2412798.8/18
Left Out: 441.128+/-0.074 χ²/NDF:3234622.5/24
Right Out: 1400.271+/-0.346 χ²/NDF: 2339707.6/22
Left In: 441.196+/-0.076 χ²/NDF:2682073.9/22
Left: 441.162+/-0.053 χ²/NDF: 5916696.8/47
Right: 1320.416+/-0.235 χ²/NDF: 4851063.7/41
In: 484.605+/-0.074 χ²/NDF:11168492.1/41
Out: 483.440+/-0.073 χ²/NDF:12903906.8/47
All: 484.012+/-0.052 χ²/NDF: 24072525.0/89



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: 11.020+/-54.372 χ^2/NDF: 24.4/22

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

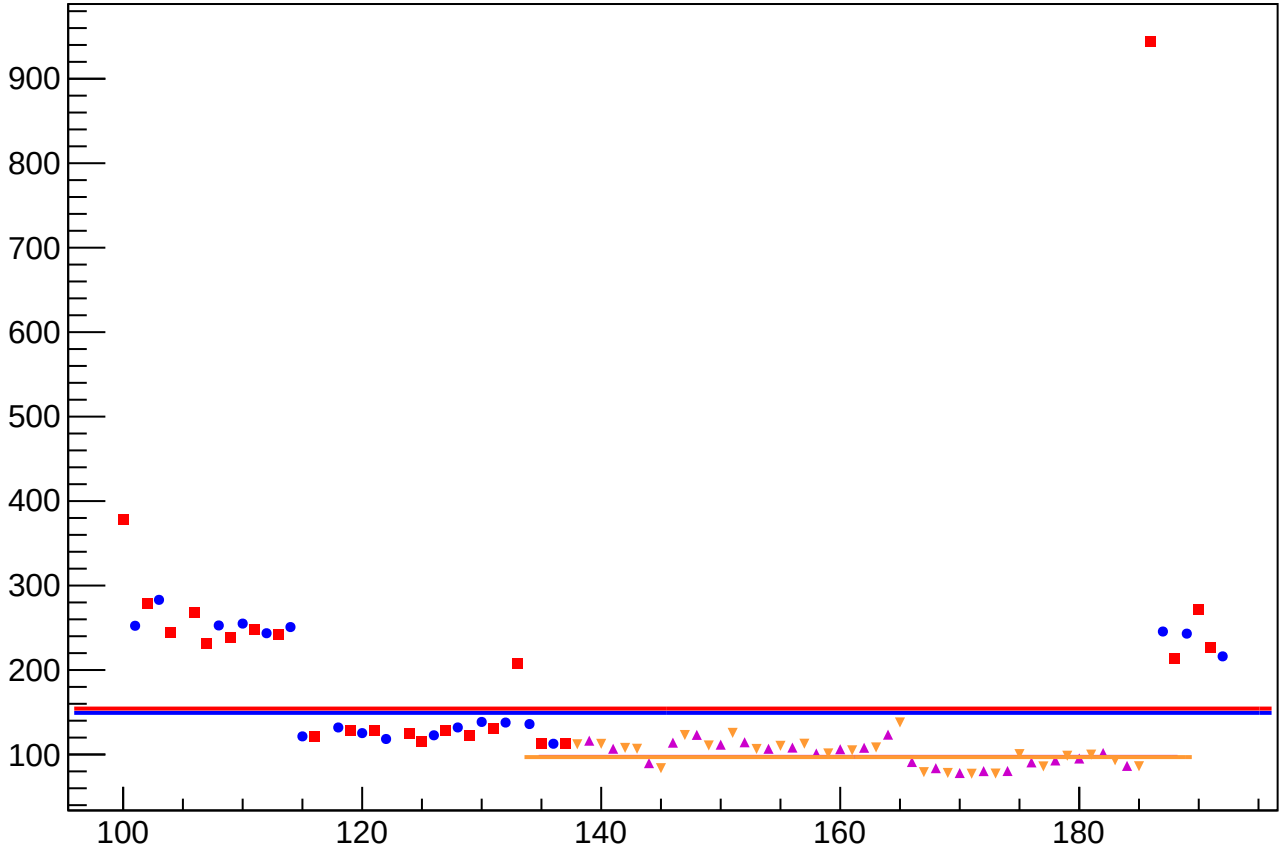
Right: 53.092+/-37.942 χ^2/NDF: 43.9/41

In: 71.236+/-21.190 χ^2/NDF:47.3/41

Out: 22.006+/-20.722 χ^2/NDF:59.6/47

All: 46.072+/-14.816 χ^2/NDF: 109.6/89

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



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: 154.360+/-0.038 χ^2/NDF: 2439503.8/22

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

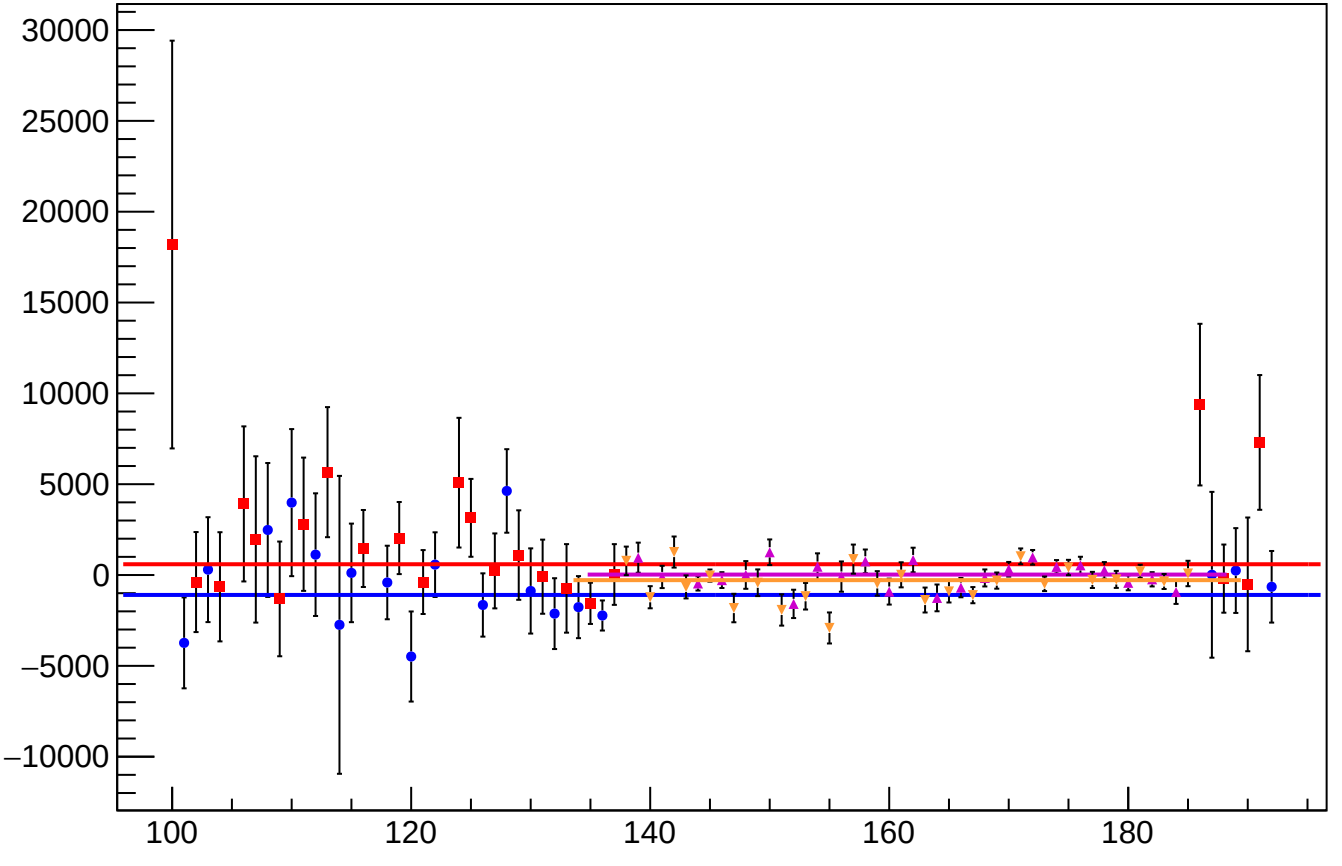
Right: 151.762+/-0.027 χ^2/NDF: 4144602.9/41

In: 105.509+/-0.015 χ^2/NDF:3997622.8/41

Out: 105.252+/-0.015 χ^2/NDF:5282153.9/47

All: 105.378+/-0.010 χ^2/NDF: 9279926.8/89

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: 593.576+/-492.336 χ^2/NDF: 21.8/22

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

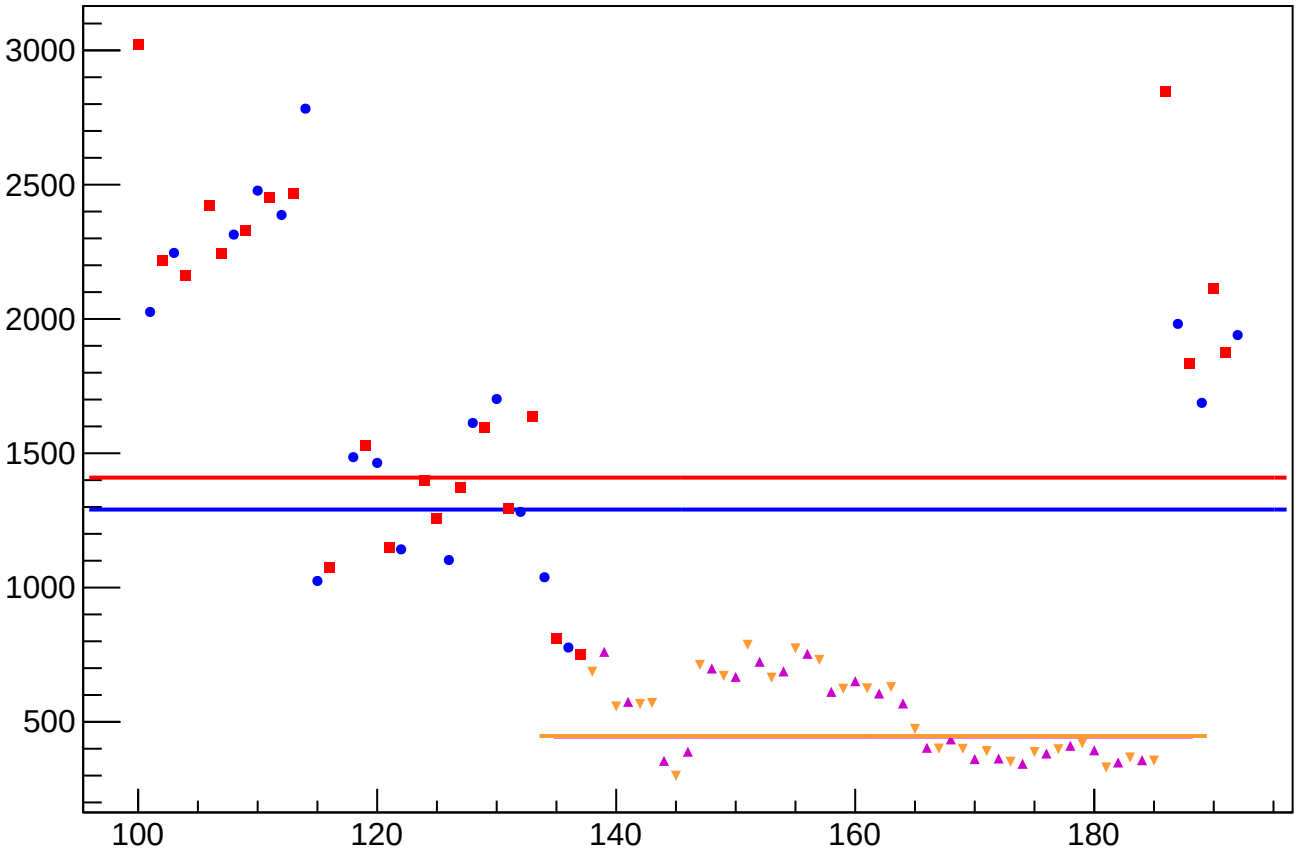
Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

Right: -300.128+/-337.945 χ^2/NDF: 44.5/41

In: -33.712+/-106.013 χ^2/NDF:54.9/41

Out: -243.339+/-103.994 χ^2/NDF:75.3/47

All: -140.540+/-74.238 χ^2/NDF: 132.2/89



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: 1409.316+/-0.348 χ^2/NDF: 2453258.5/22

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

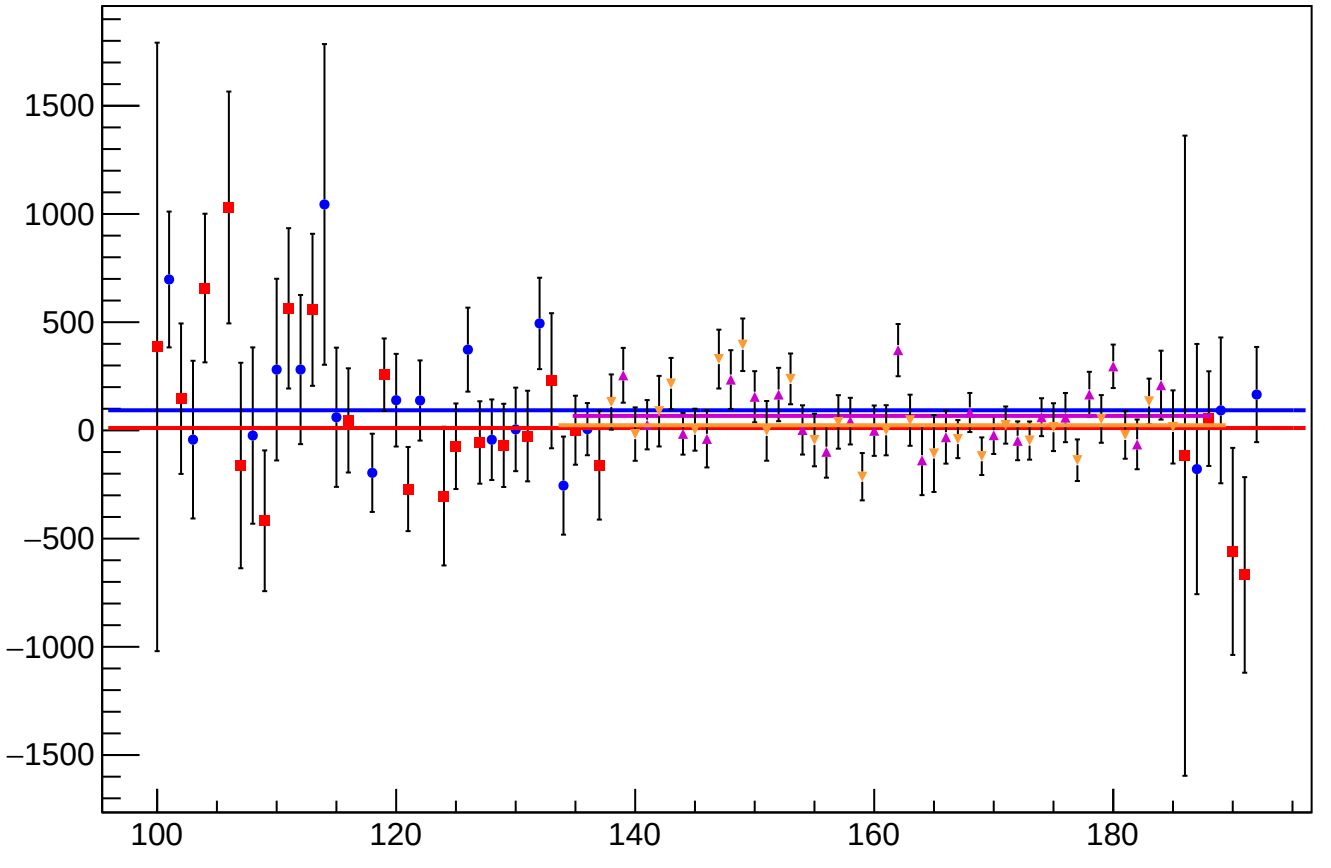
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1346.467+/-0.239 χ^2/NDF: 4831446.0/41

In: 489.465+/-0.075 χ^2/NDF:11298056.3/41

Out: 490.303+/-0.074 χ^2/NDF:12945131.2/47

All: 489.892+/-0.052 χ^2/NDF: 24243251.2/89



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: 11.021+/-54.372 χ^2/NDF: 24.4/22

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

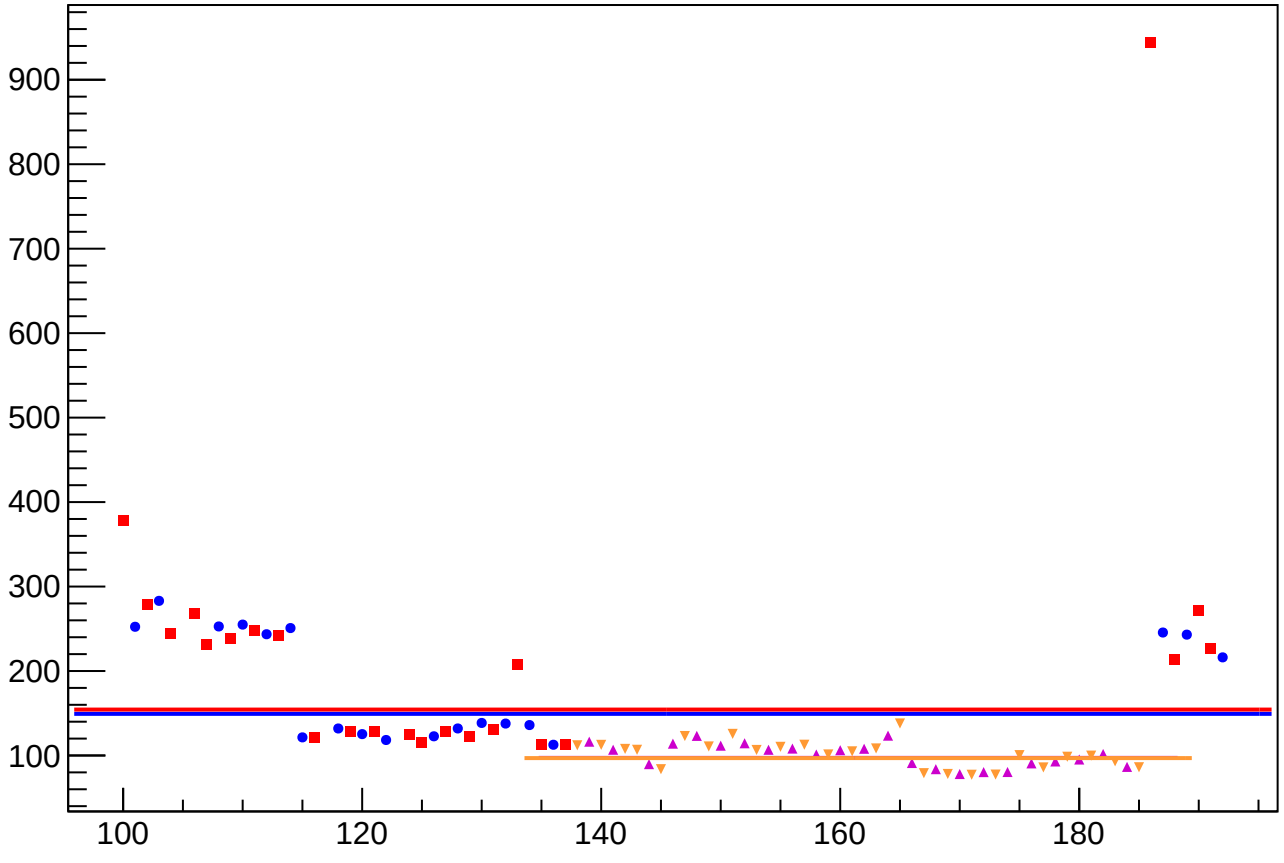
Right: 53.093+/-37.942 χ^2/NDF: 43.9/41

In: 71.236+/-21.190 χ^2/NDF:47.3/41

Out: 22.005+/-20.722 χ^2/NDF:59.6/47

All: 46.071+/-14.816 χ^2/NDF: 109.6/89

eigen_dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



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: 154.360+/-0.038 χ^2/NDF: 2439494.7/22

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

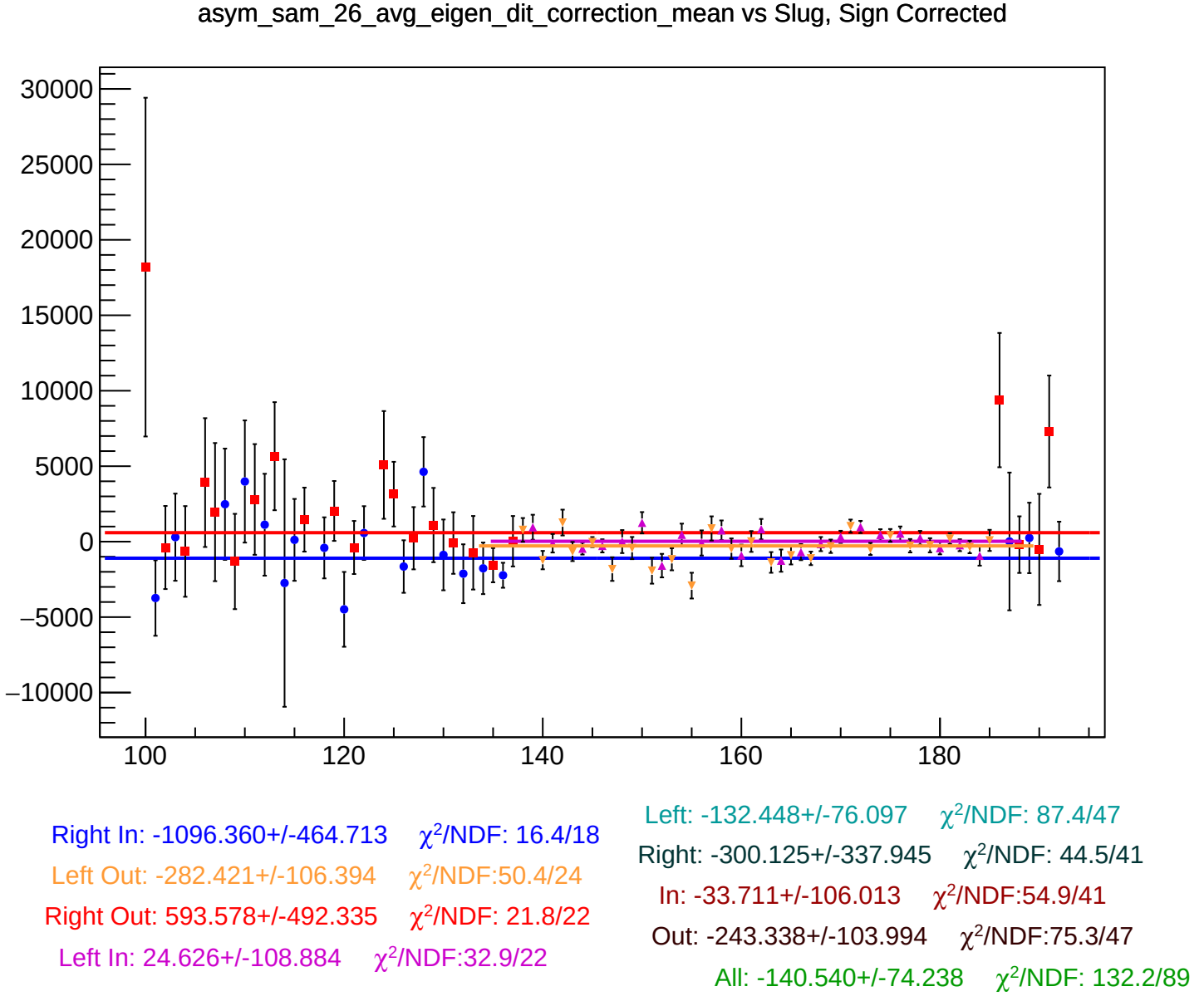
Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

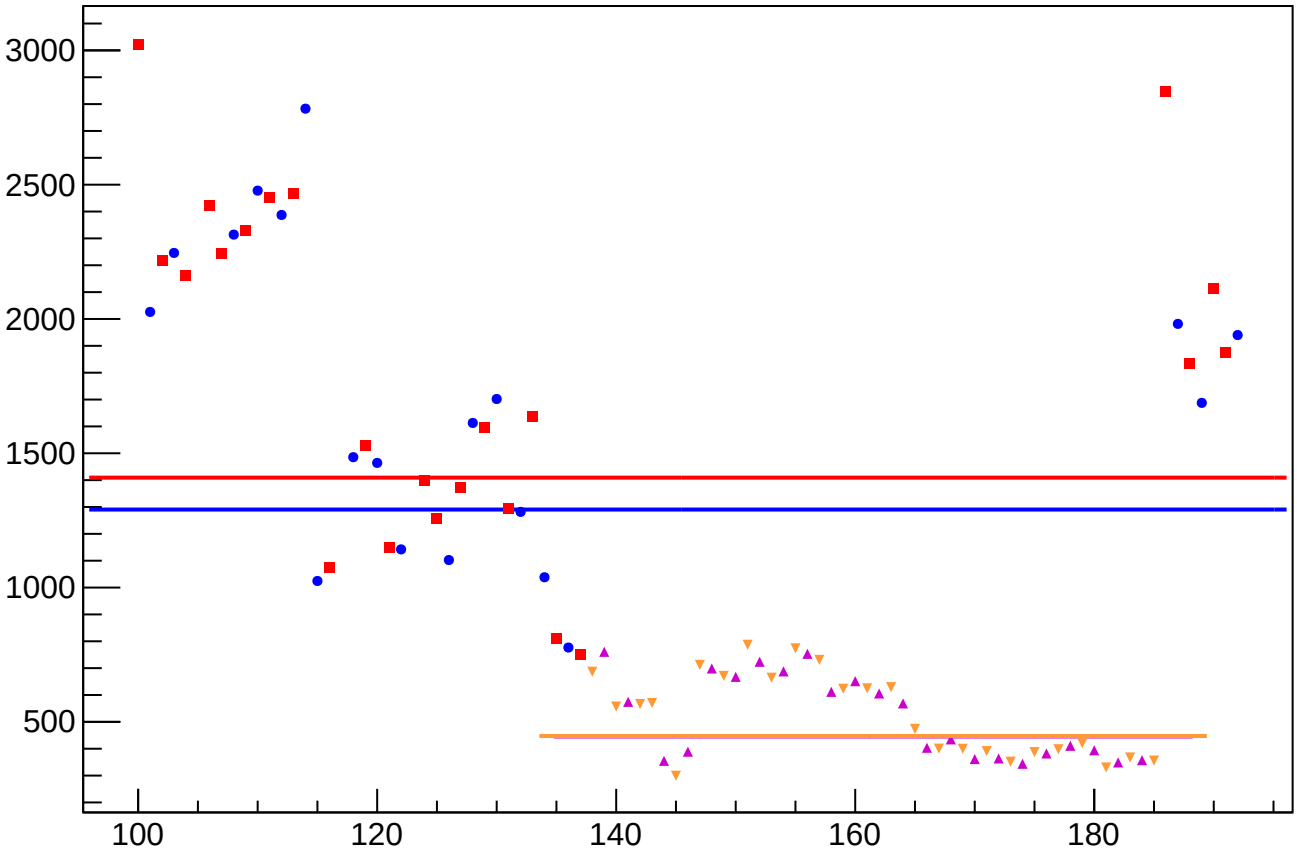
Right: 151.761+/-0.027 χ^2/NDF: 4144589.4/41

In: 105.509+/-0.015 χ^2/NDF:3997553.4/41

Out: 105.253+/-0.015 χ^2/NDF:5282107.8/47

All: 105.378+/-0.010 χ^2/NDF: 9279811.4/89


asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: -1096.360+/-464.713 χ²/NDF: 16.4/18
Left Out: -282.421+/-106.394 χ²/NDF:50.4/24
Right Out: 593.578+/-492.335 χ²/NDF: 21.8/22
Left In: 24.626+/-108.884 χ²/NDF:32.9/22
Left: -132.448+/-76.097 χ²/NDF: 87.4/47
Right: -300.125+/-337.945 χ²/NDF: 44.5/41
In: -33.711+/-106.013 χ²/NDF:54.9/41
Out: -243.338+/-103.994 χ²/NDF:75.3/47
All: -140.540+/-74.238 χ²/NDF: 132.2/89



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: 1409.315+/-0.348 χ^2/NDF: 2453243.0/22

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

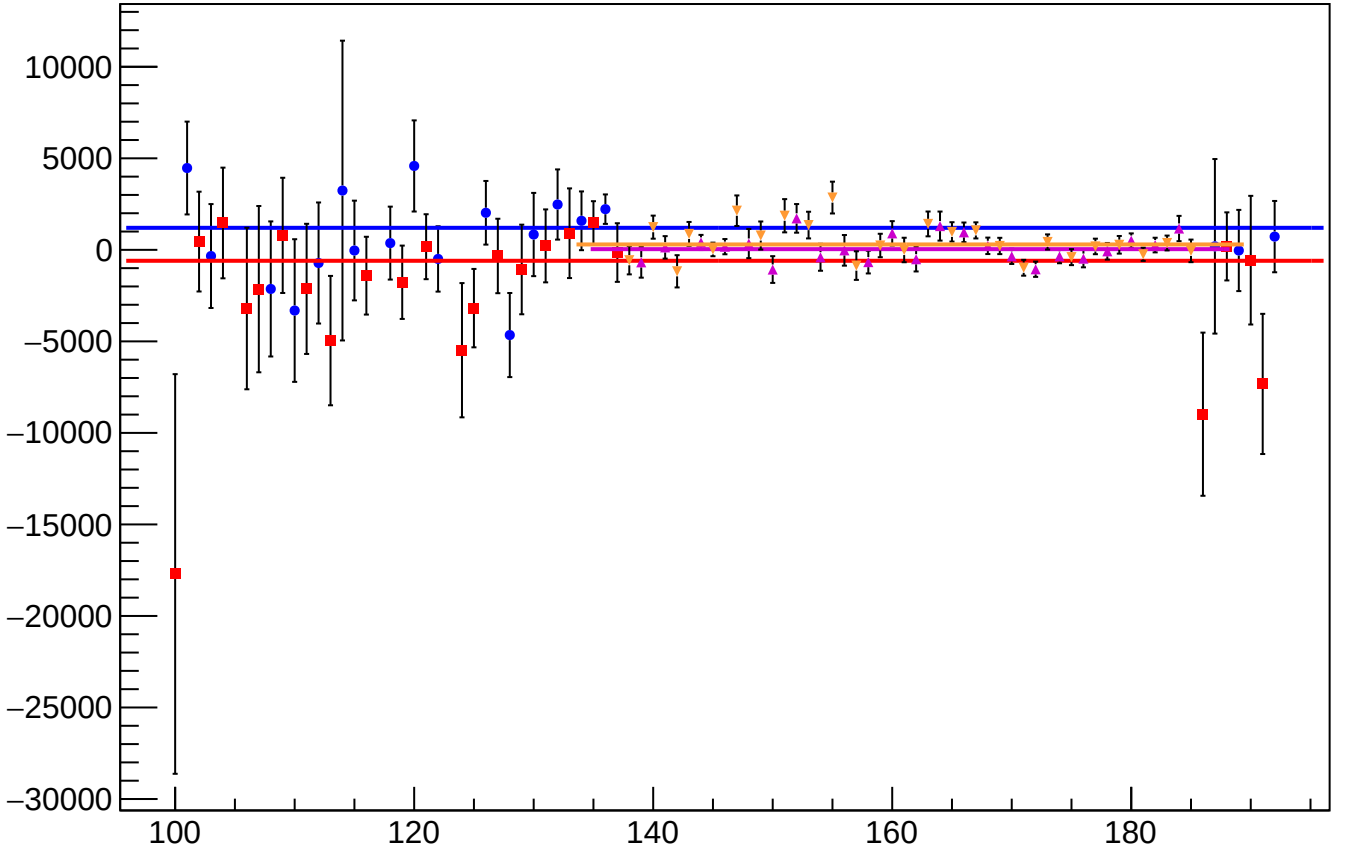
Right: 1346.466+/-0.239 χ^2/NDF: 4831410.9/41

In: 489.464+/-0.075 χ^2/NDF:11298054.9/41

Out: 490.303+/-0.074 χ^2/NDF:12945147.8/47

All: 489.892+/-0.052 χ^2/NDF: 24243266.4/89

asym_sam_26_avg_mean vs Slug, Sign Corrected



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: -597.322+/-492.452 χ^2/NDF: 20.0/22

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

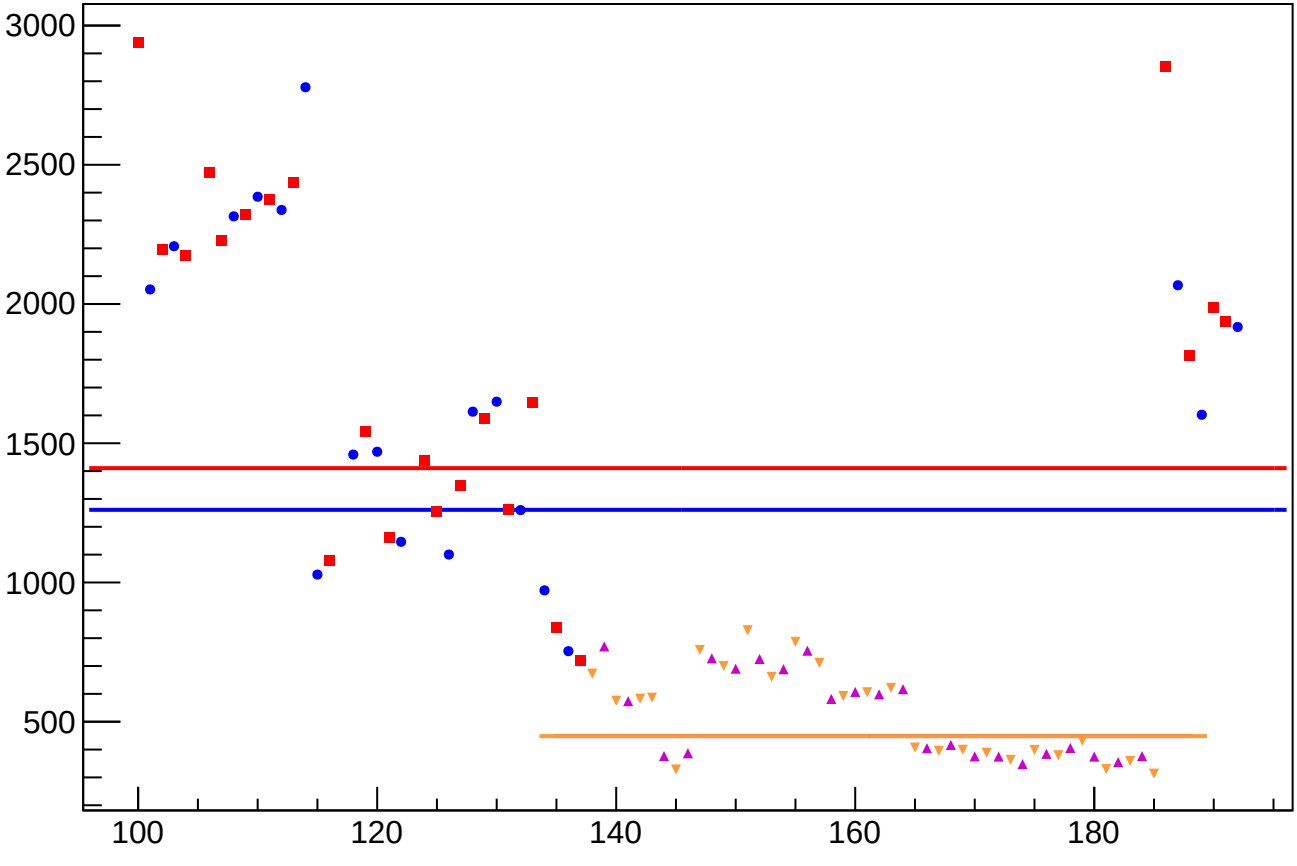
Right: 372.779+/-334.461 χ^2/NDF: 44.1/41

In: 101.520+/-106.300 χ^2/NDF:56.0/41

Out: 254.915+/-104.383 χ^2/NDF:73.6/47

All: 179.613+/-74.478 χ^2/NDF: 130.7/89

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: 1410.658+/-0.348 χ^2/NDF: 2388062.1/22

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

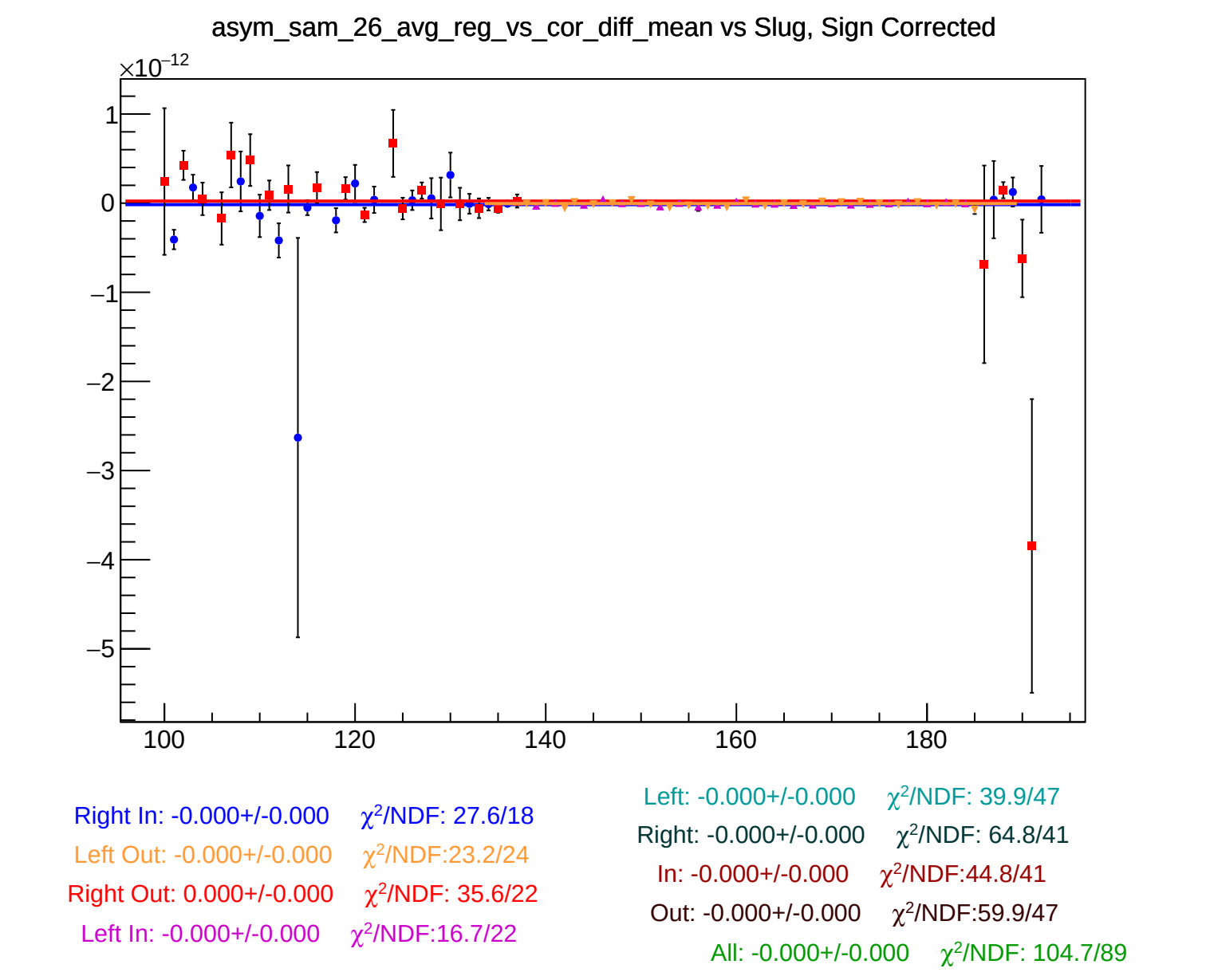
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

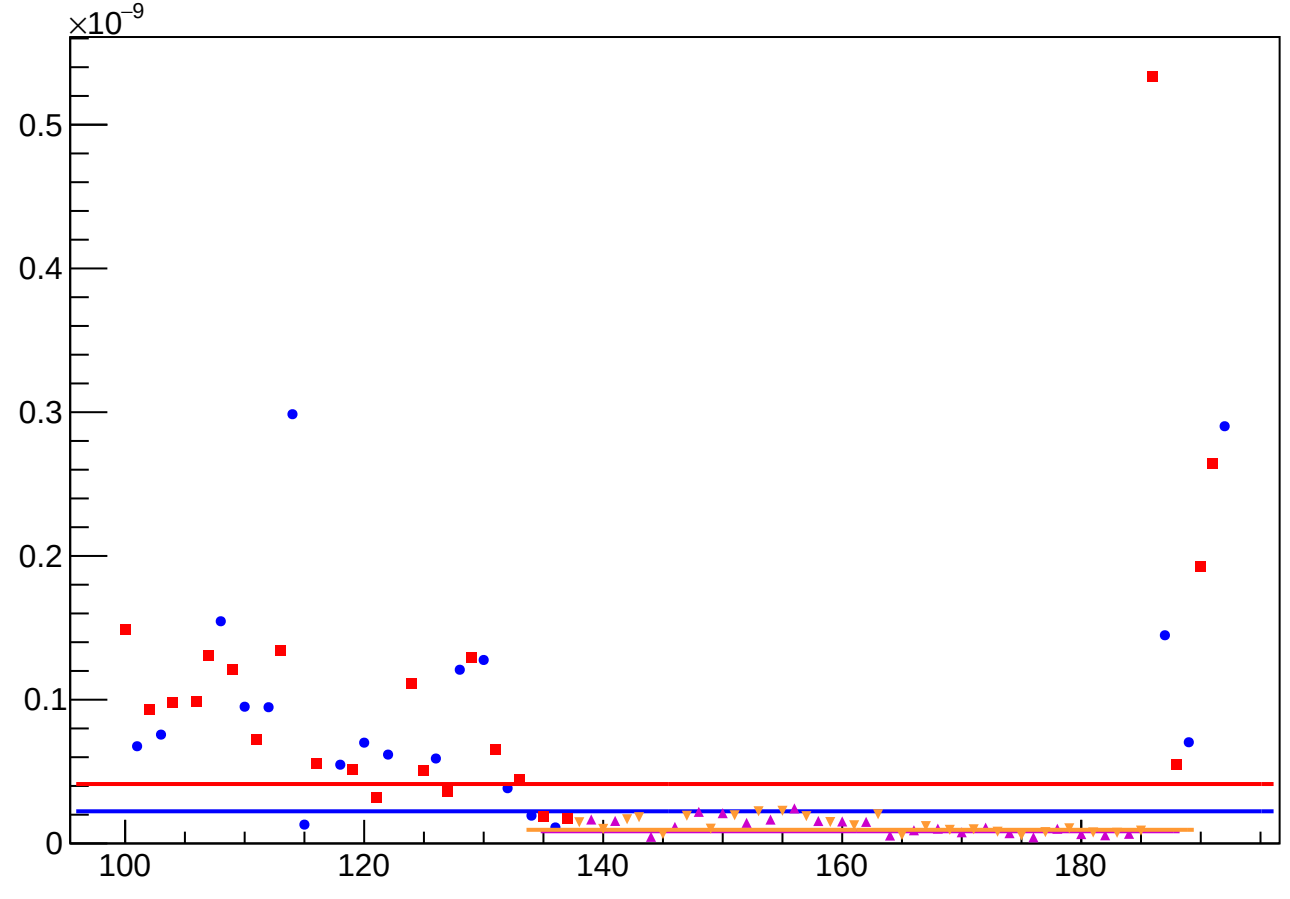
Right: 1329.986+/-0.236 χ^2/NDF: 4887171.6/41

In: 492.612+/-0.075 χ^2/NDF:11032881.9/41

Out: 491.517+/-0.074 χ^2/NDF:12840068.5/47

All: 492.055+/-0.053 χ^2/NDF: 23873058.3/89


asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 27.6/18
Left Out: -0.000+/-0.000 χ²/NDF:23.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.6/22
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: -0.000+/-0.000 χ²/NDF: 39.9/47
Right: -0.000+/-0.000 χ²/NDF: 64.8/41
In: -0.000+/-0.000 χ²/NDF:44.8/41
Out: -0.000+/-0.000 χ²/NDF:59.9/47
All: -0.000+/-0.000 χ²/NDF: 104.7/89



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: 2807388.3/22

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

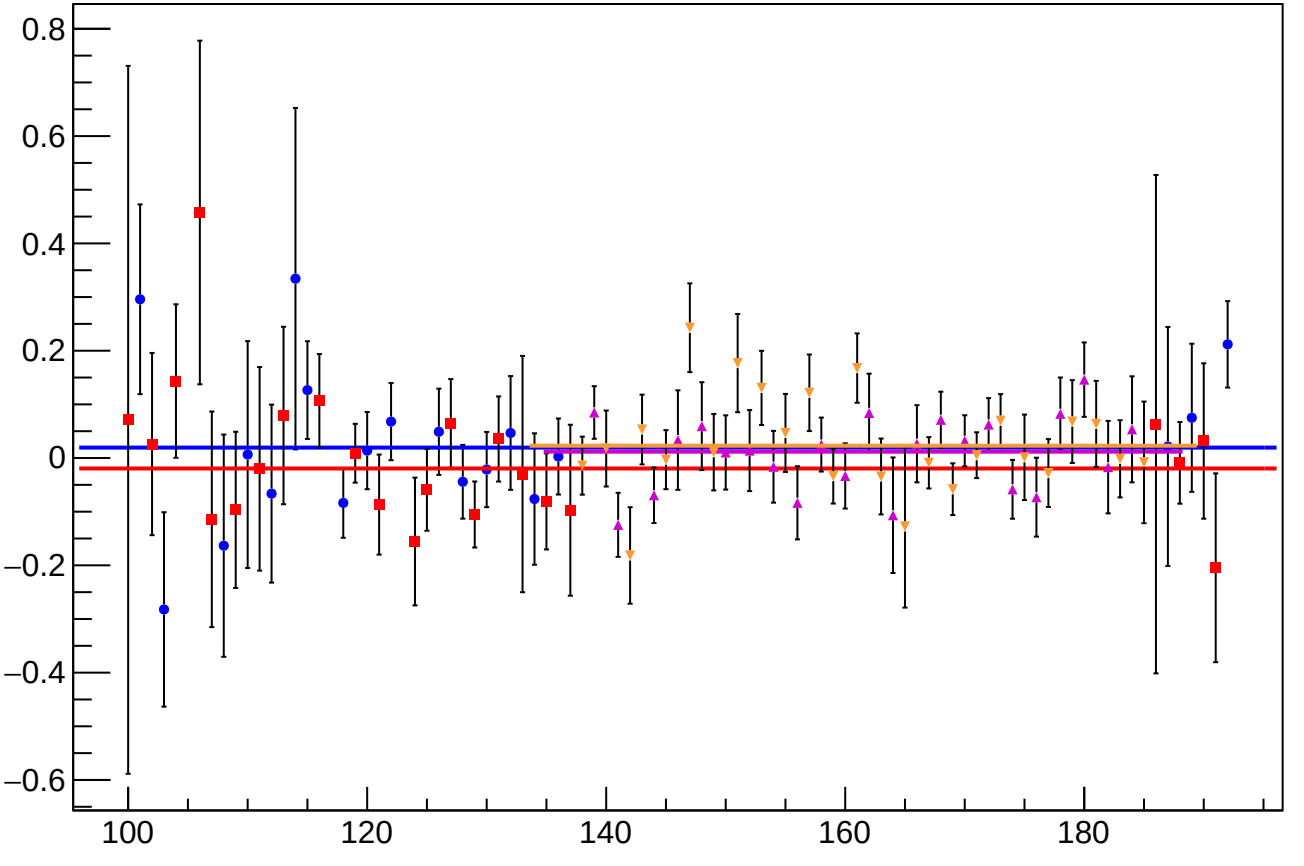
Right: 0.000+/-0.000 χ^2/NDF: 8271730.5/41

In: 0.000+/-0.000 χ^2/NDF:8670343.3/41

Out: 0.000+/-0.000 χ^2/NDF:8095373.5/47

All: 0.000+/-0.000 χ^2/NDF: 16849666.4/89

asym_sam_26_avg_dit_vs_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: -0.020+/-0.022 χ^2/NDF: 14.4/22

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

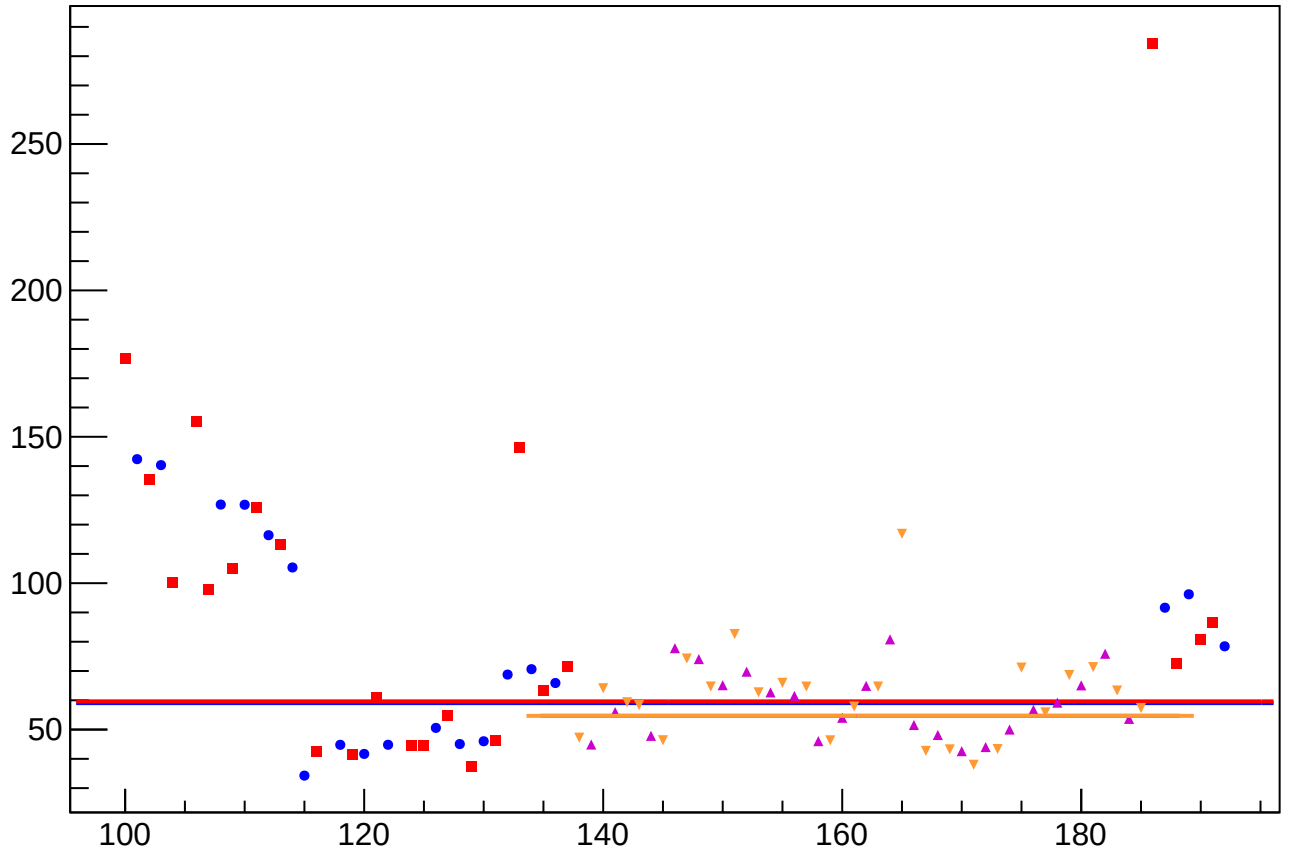
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.000+/-0.016 χ^2/NDF: 35.5/41

In: 0.014+/-0.011 χ^2/NDF:45.5/41

Out: 0.012+/-0.011 χ^2/NDF:51.3/47

All: 0.013+/-0.008 χ^2/NDF: 96.9/89



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: 59.633+/-0.016 χ^2/NDF: 3199576.0/22

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

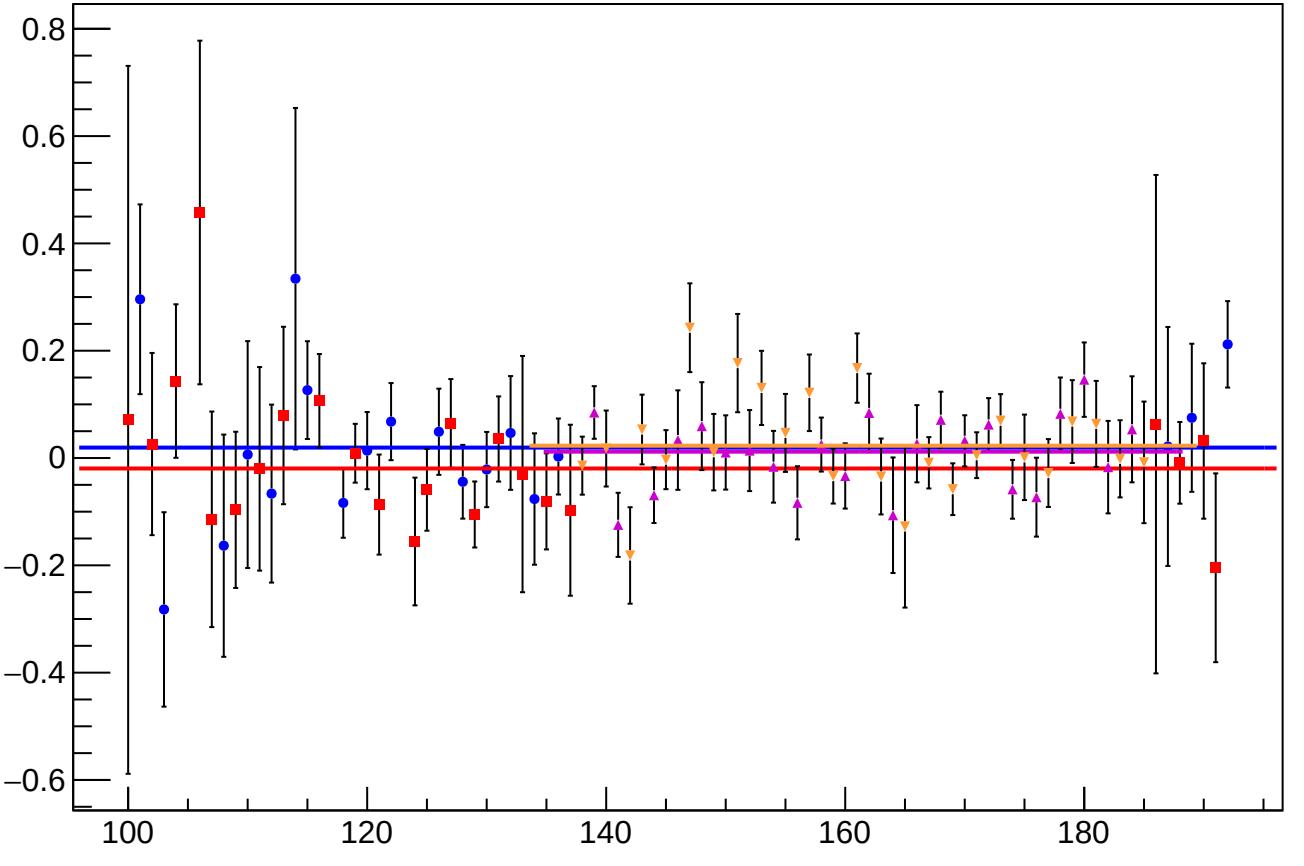
Right: 59.337+/-0.011 χ^2/NDF: 5718372.4/41

In: 55.841+/-0.008 χ^2/NDF:3765897.4/41

Out: 55.956+/-0.008 χ^2/NDF:5211297.2/47

All: 55.899+/-0.006 χ^2/NDF: 8977299.2/89

asym_sam_26_avg_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: -0.020+/-0.022 χ^2/NDF: 14.4/22

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

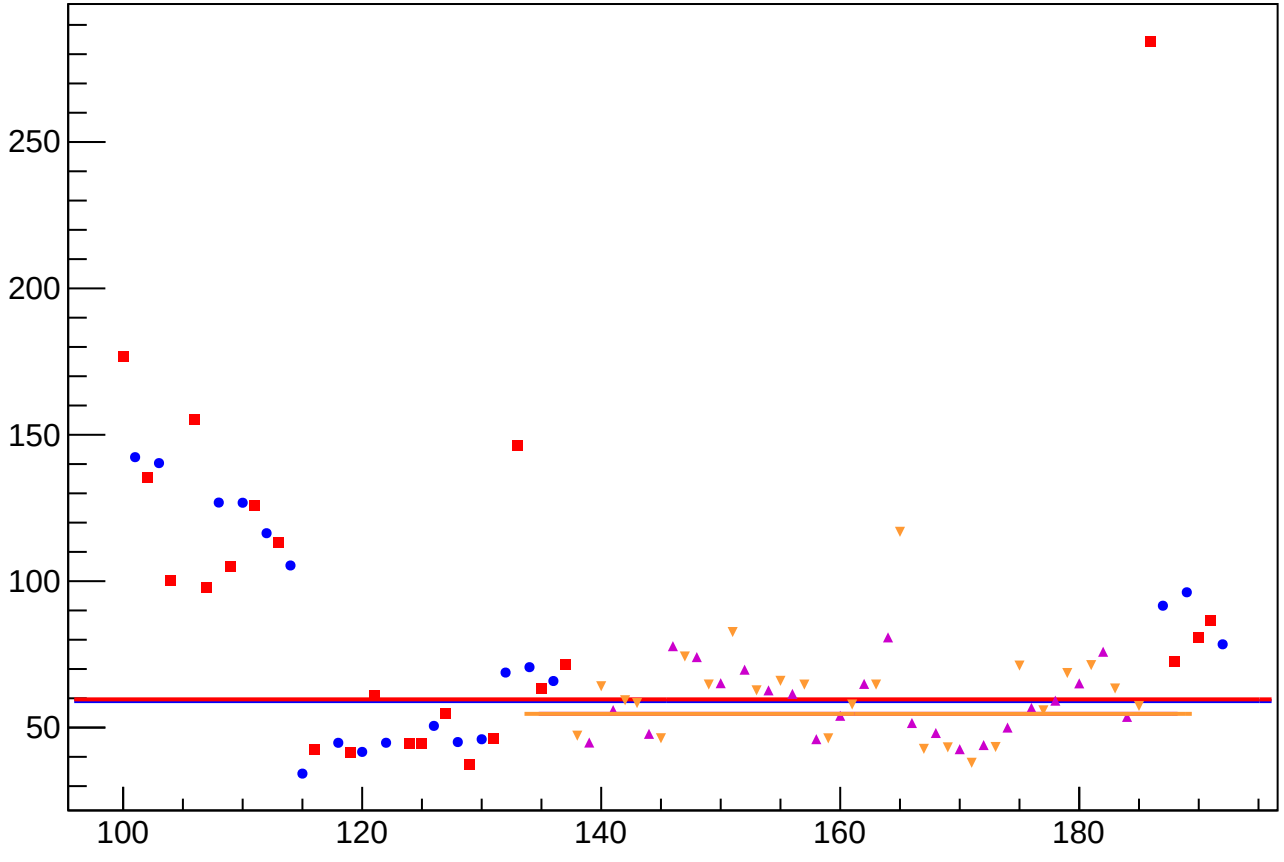
Right: -0.000+/-0.016 χ^2/NDF: 35.5/41

In: 0.014+/-0.011 χ^2/NDF:45.5/41

Out: 0.012+/-0.011 χ^2/NDF:51.3/47

All: 0.013+/-0.008 χ^2/NDF: 96.9/89

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: 59.633+/-0.016 χ^2/NDF: 3199576.0/22

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

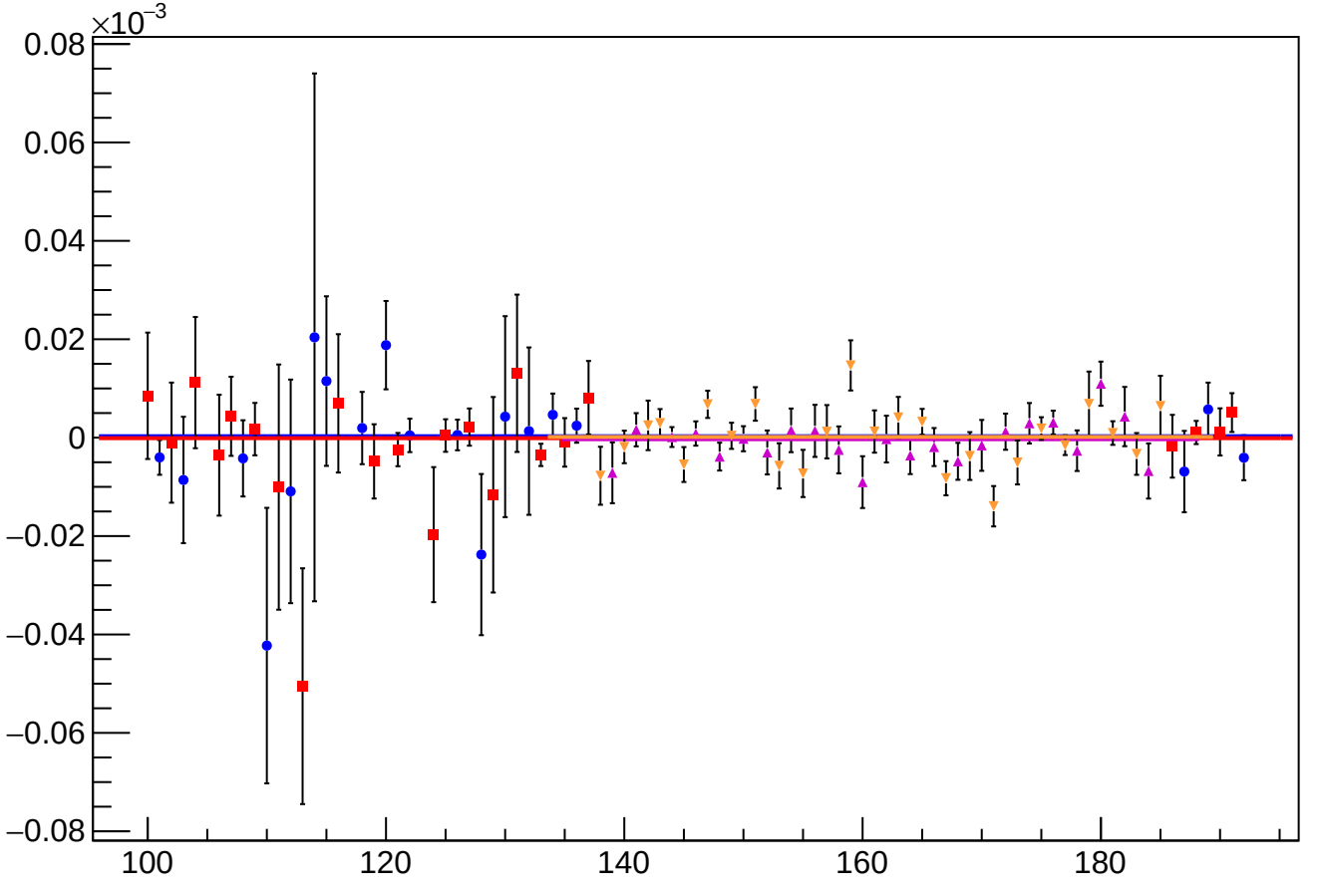
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 59.337+/-0.011 χ^2/NDF: 5718372.4/41

In: 55.841+/-0.008 χ^2/NDF:3765897.4/41

Out: 55.956+/-0.008 χ^2/NDF:5211297.2/47

All: 55.899+/-0.006 χ^2/NDF: 8977299.2/89



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: 16.4/22

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

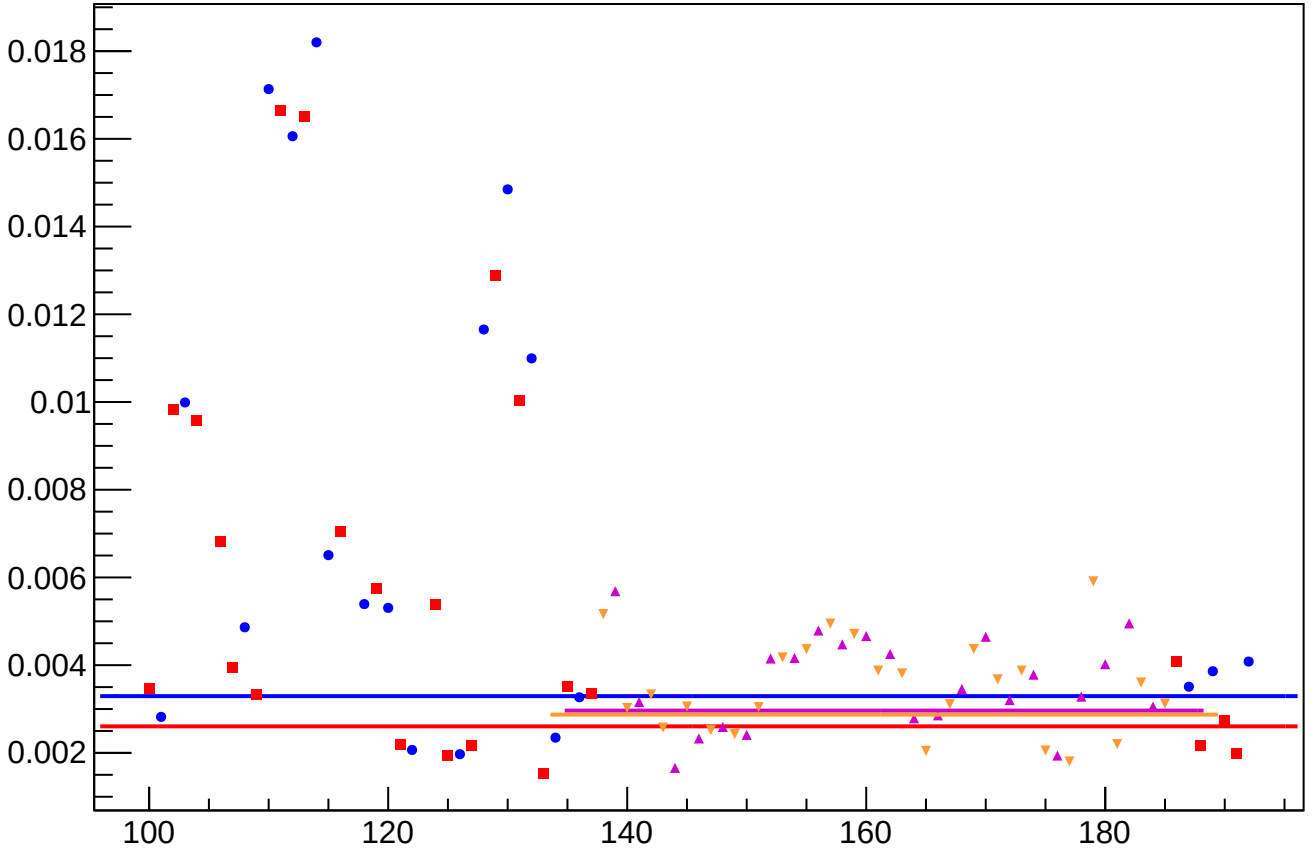
Right: 0.000+/-0.000 χ^2/NDF: 32.5/41

In: -0.000+/-0.000 χ^2/NDF:36.9/41

Out: 0.000+/-0.000 χ^2/NDF:70.2/47

All: -0.000+/-0.000 χ^2/NDF: 107.1/89

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4643216.0/18

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5394507.5/22

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

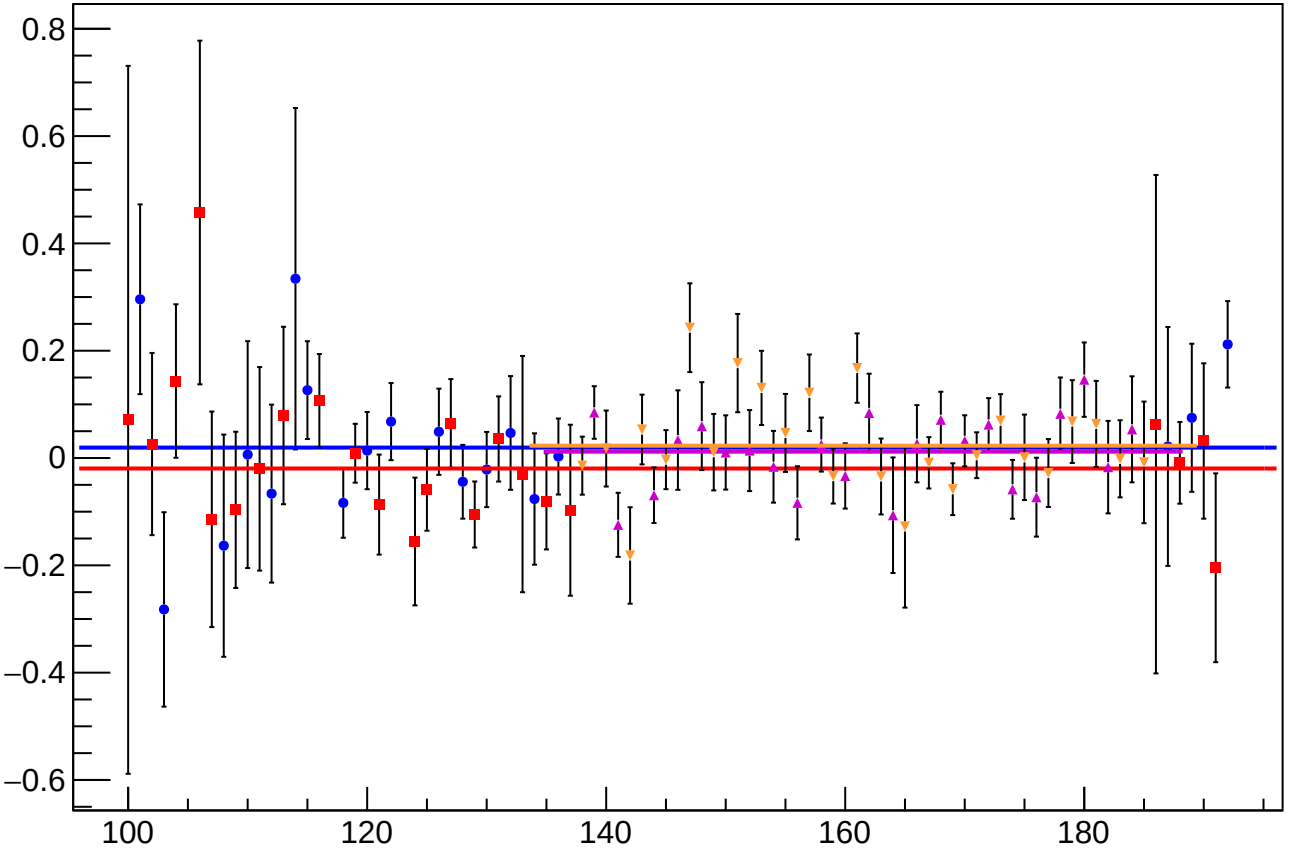
Right: 0.003+/-0.000 χ^2/NDF: 10374616.4/41

In: 0.003+/-0.000 χ^2/NDF:8356860.9/41

Out: 0.003+/-0.000 χ^2/NDF:9089282.1/47

All: 0.003+/-0.000 χ^2/NDF: 17616637.7/89

asym_sam_26_avg_eigen_dit_vs_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: -0.020+/-0.022 χ^2/NDF: 14.4/22

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

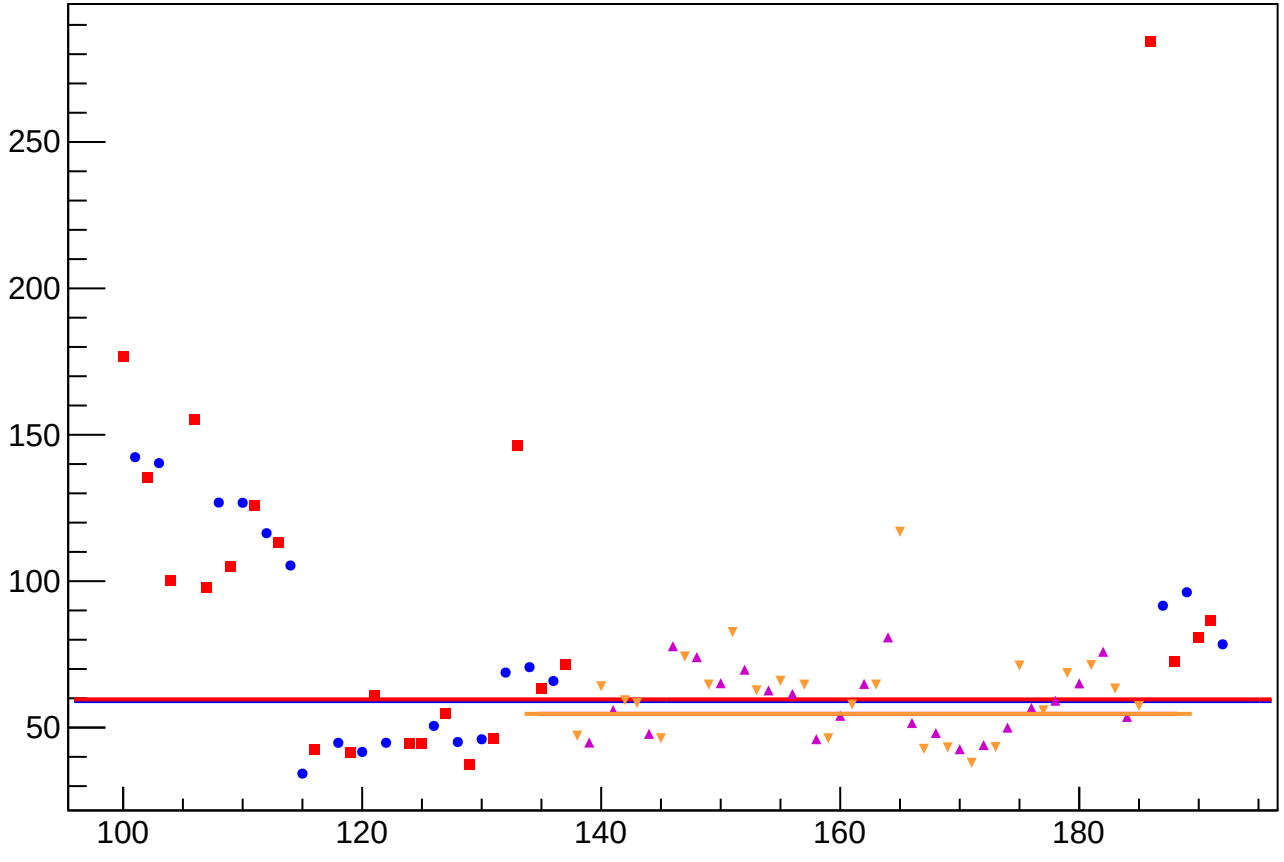
Right: -0.000+/-0.016 χ^2/NDF: 35.5/41

In: 0.014+/-0.011 χ^2/NDF:45.5/41

Out: 0.012+/-0.011 χ^2/NDF:51.3/47

All: 0.013+/-0.008 χ^2/NDF: 96.9/89

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: 59.633+/-0.016 χ^2/NDF: 3199540.1/22

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

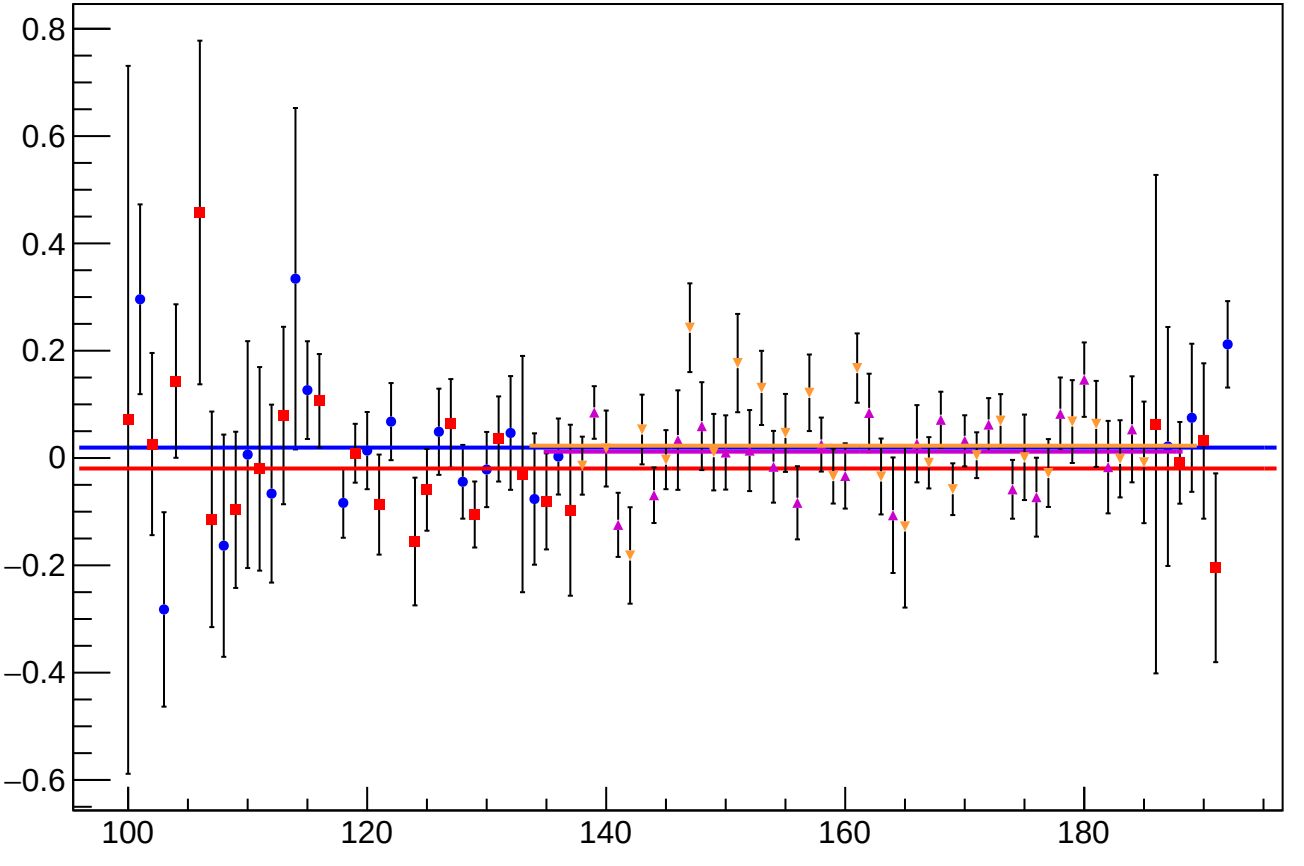
Right: 59.337+/-0.011 χ^2/NDF: 5718295.9/41

In: 55.841+/-0.008 χ^2/NDF:3765802.8/41

Out: 55.956+/-0.008 χ^2/NDF:5211229.0/47

All: 55.900+/-0.006 χ^2/NDF: 8977136.1/89

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: -0.020+/-0.022 χ^2/NDF: 14.4/22

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

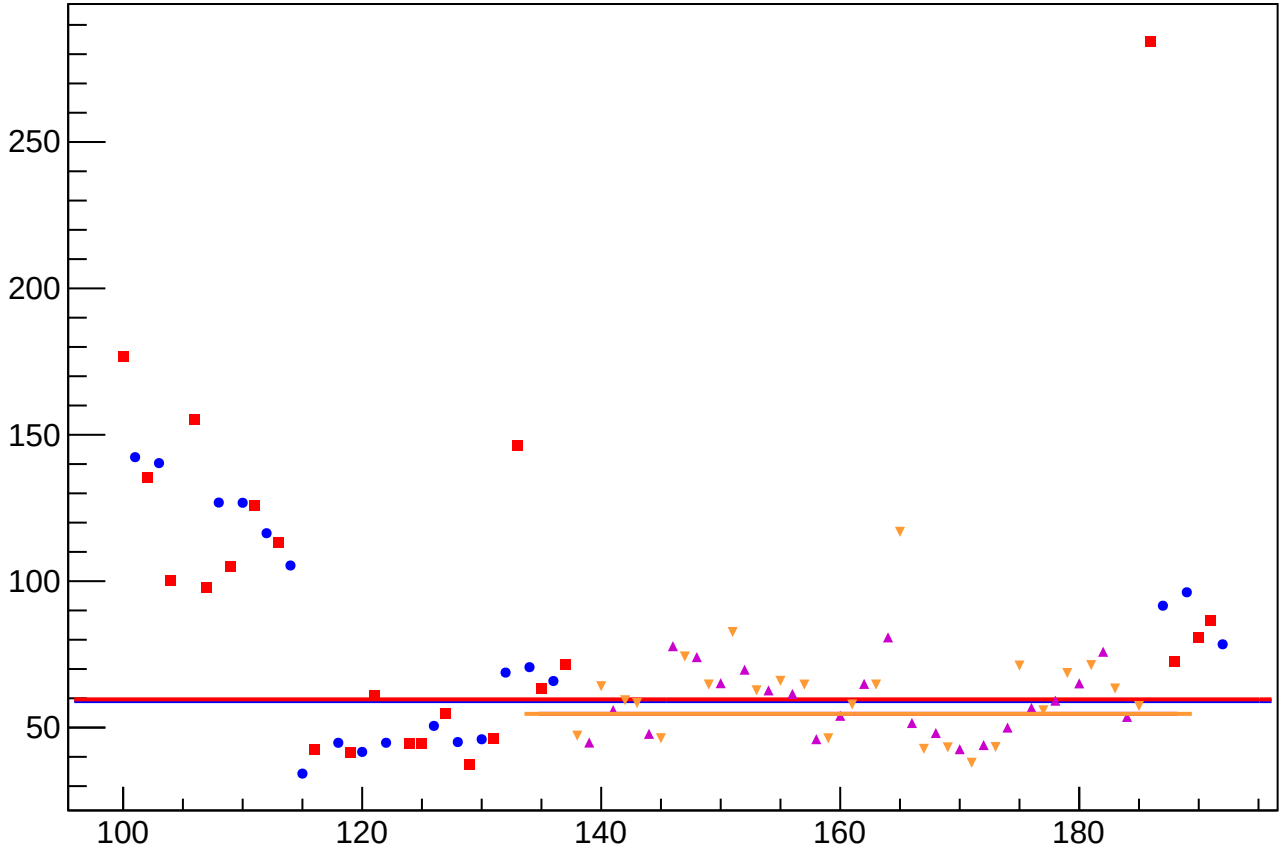
Right: -0.000+/-0.016 χ^2/NDF: 35.5/41

In: 0.014+/-0.011 χ^2/NDF:45.5/41

Out: 0.012+/-0.011 χ^2/NDF:51.3/47

All: 0.013+/-0.008 χ^2/NDF: 96.9/89

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: 59.633+/-0.016 χ^2/NDF: 3199540.1/22

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

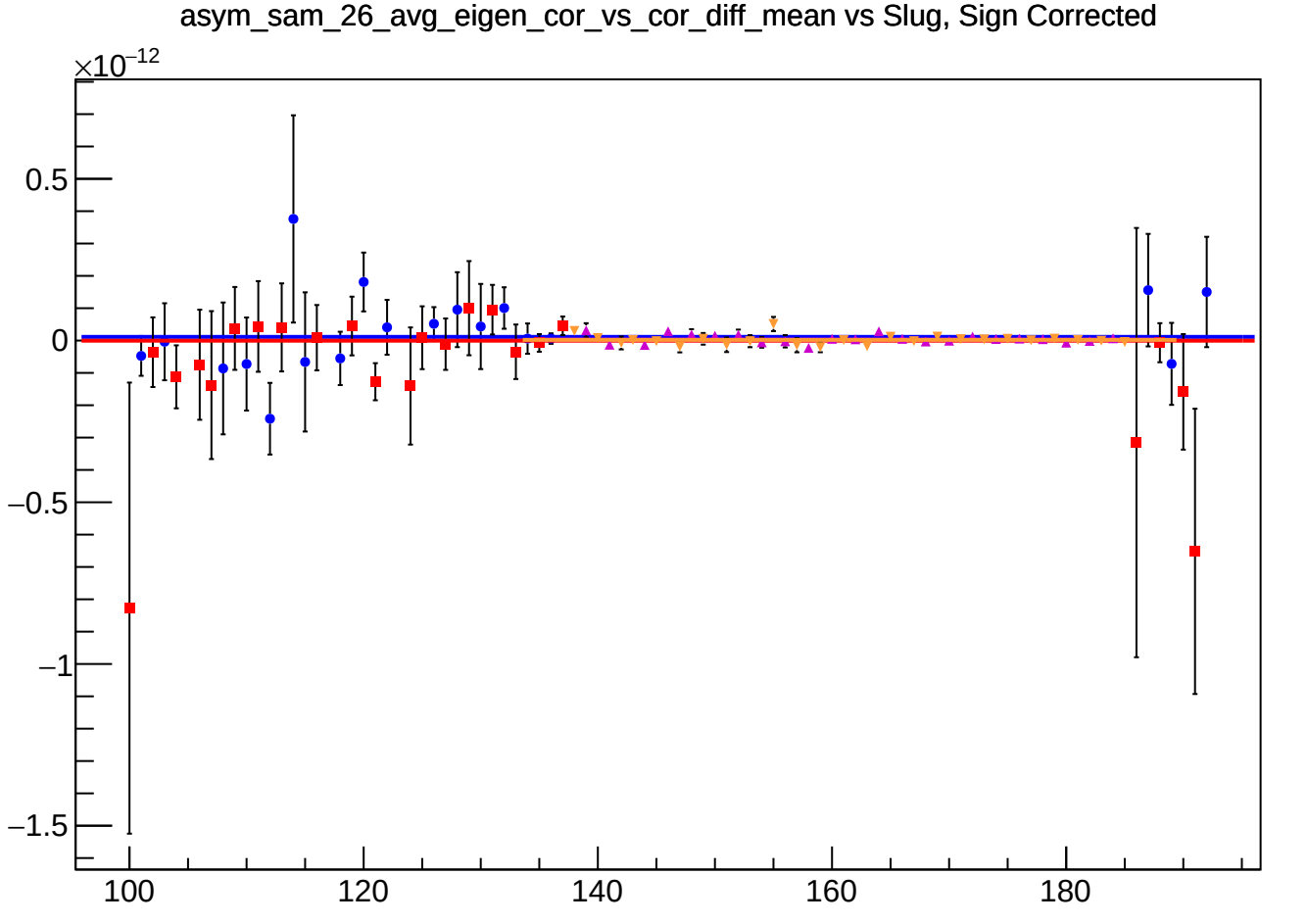
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 59.337+/-0.011 χ^2/NDF: 5718295.9/41

In: 55.841+/-0.008 χ^2/NDF:3765802.8/41

Out: 55.956+/-0.008 χ^2/NDF:5211229.0/47

All: 55.900+/-0.006 χ^2/NDF: 8977136.1/89



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: 17.5/22

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

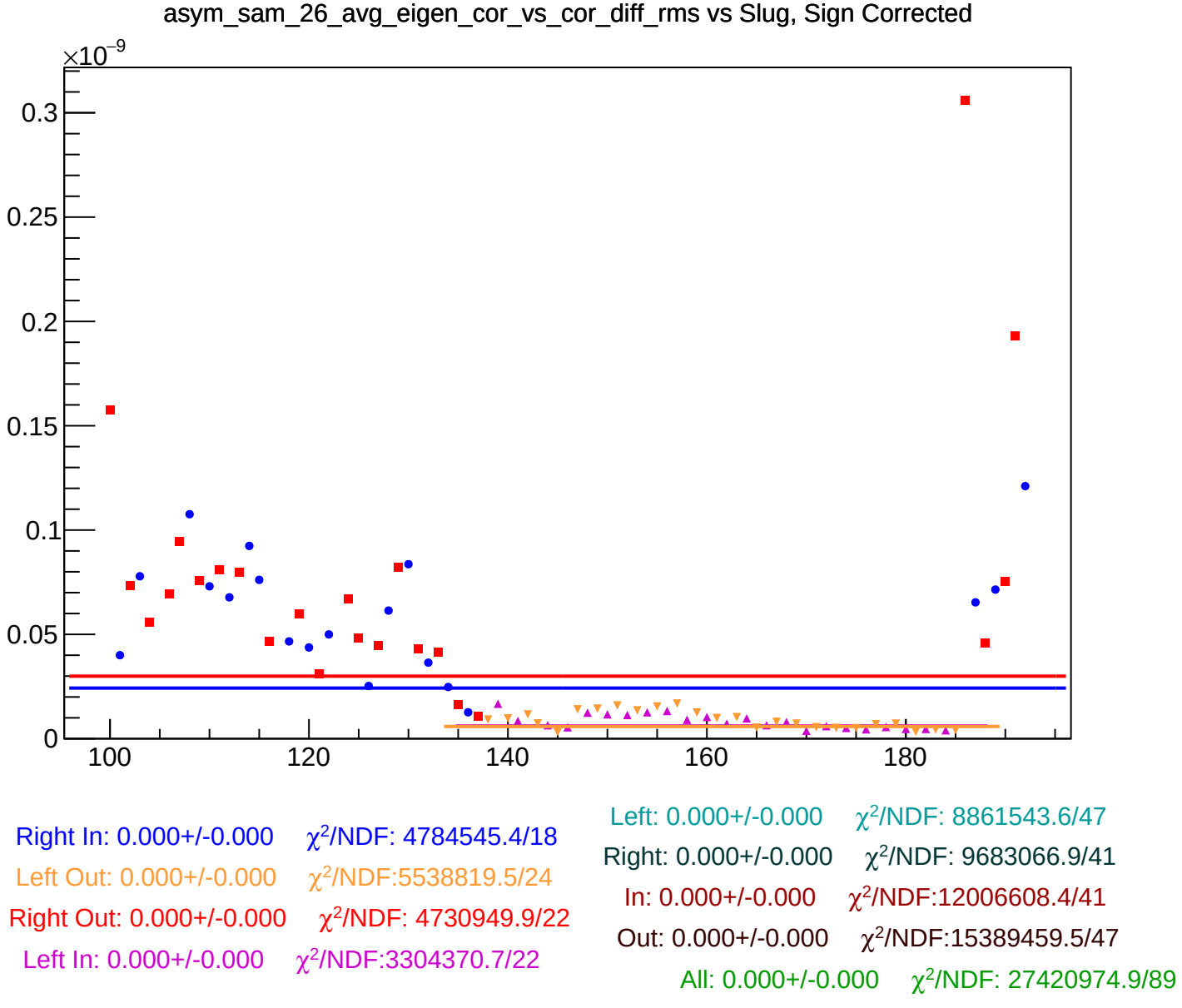
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 35.3/41

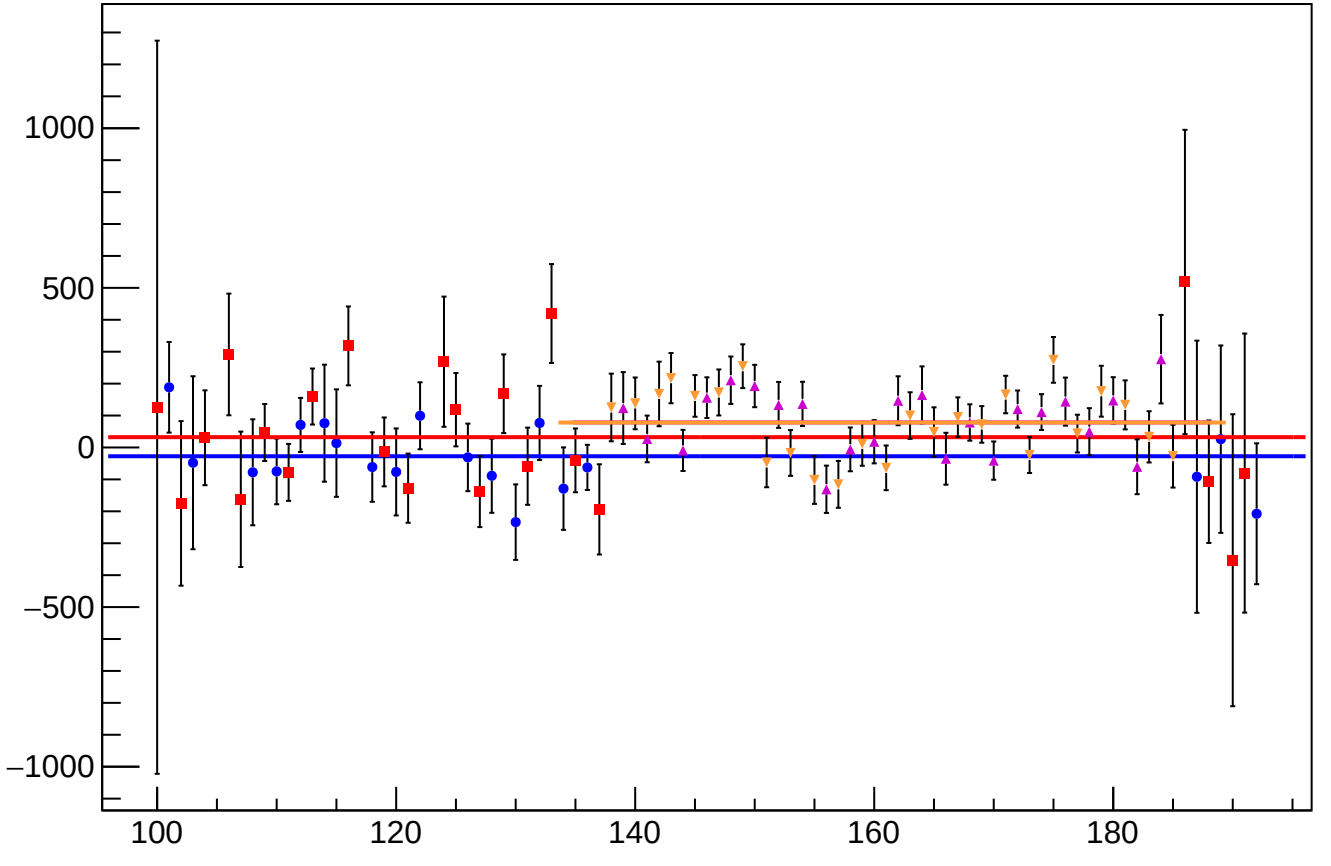
In: 0.000+/-0.000 χ^2/NDF:51.0/41

Out: 0.000+/-0.000 χ^2/NDF:38.2/47

All: 0.000+/-0.000 χ^2/NDF: 89.3/89


asym_sam_26_avg_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: 4784545.4/18
Left Out: 0.000+/-0.000 χ²/NDF:5538819.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4730949.9/22
Left In: 0.000+/-0.000 χ²/NDF:3304370.7/22
Left: 0.000+/-0.000 χ²/NDF: 8861543.6/47
Right: 0.000+/-0.000 χ²/NDF: 9683066.9/41
In: 0.000+/-0.000 χ²/NDF:12006608.4/41
Out: 0.000+/-0.000 χ²/NDF:15389459.5/47
All: 0.000+/-0.000 χ²/NDF: 27420974.9/89

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



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: 32.279+/-27.987 χ^2/NDF: 32.4/22

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

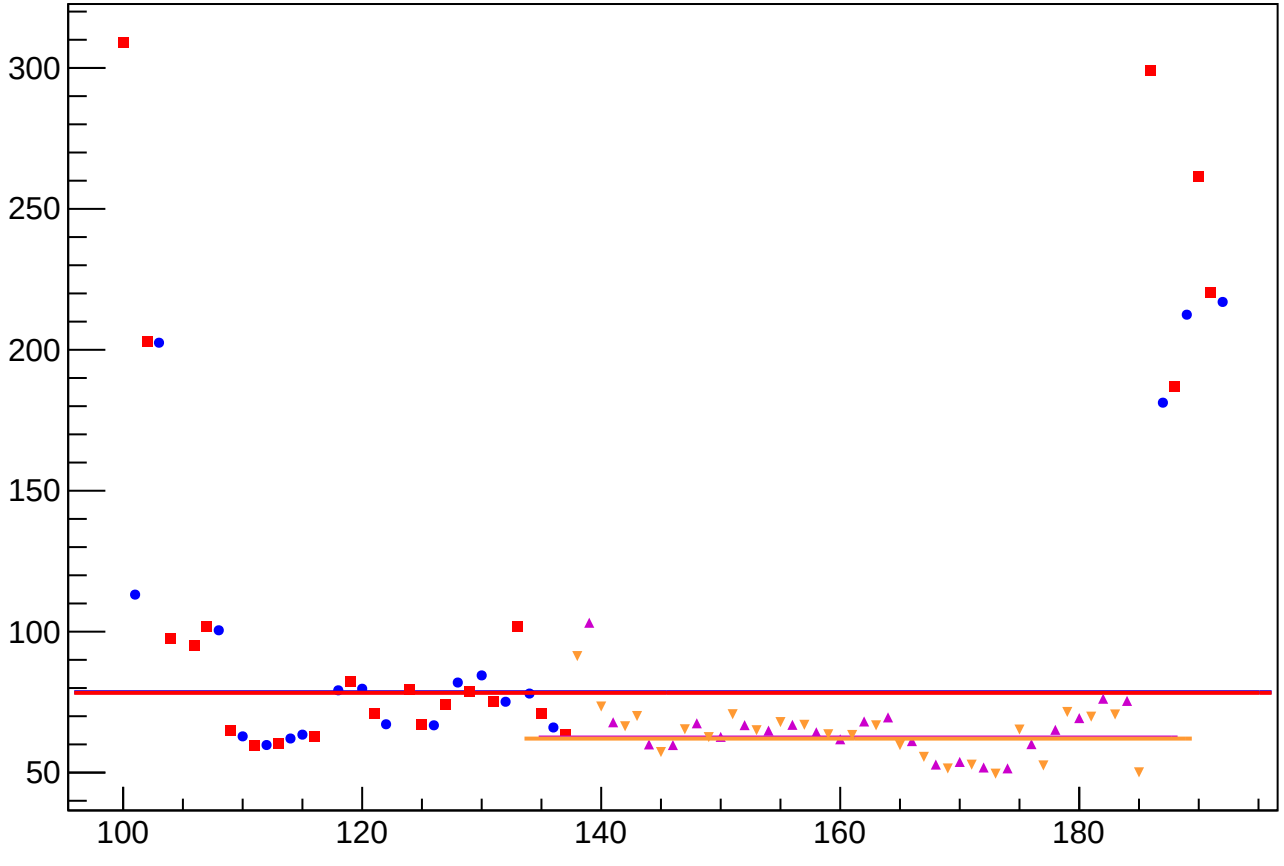
Right: 2.898+/-19.958 χ^2/NDF: 46.4/41

In: 55.924+/-13.139 χ^2/NDF:59.3/41

Out: 68.634+/-12.752 χ^2/NDF:88.5/47

All: 62.469+/-9.151 χ^2/NDF: 148.3/89

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



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: 78.302+/-0.020 χ^2/NDF: 2584454.1/22

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

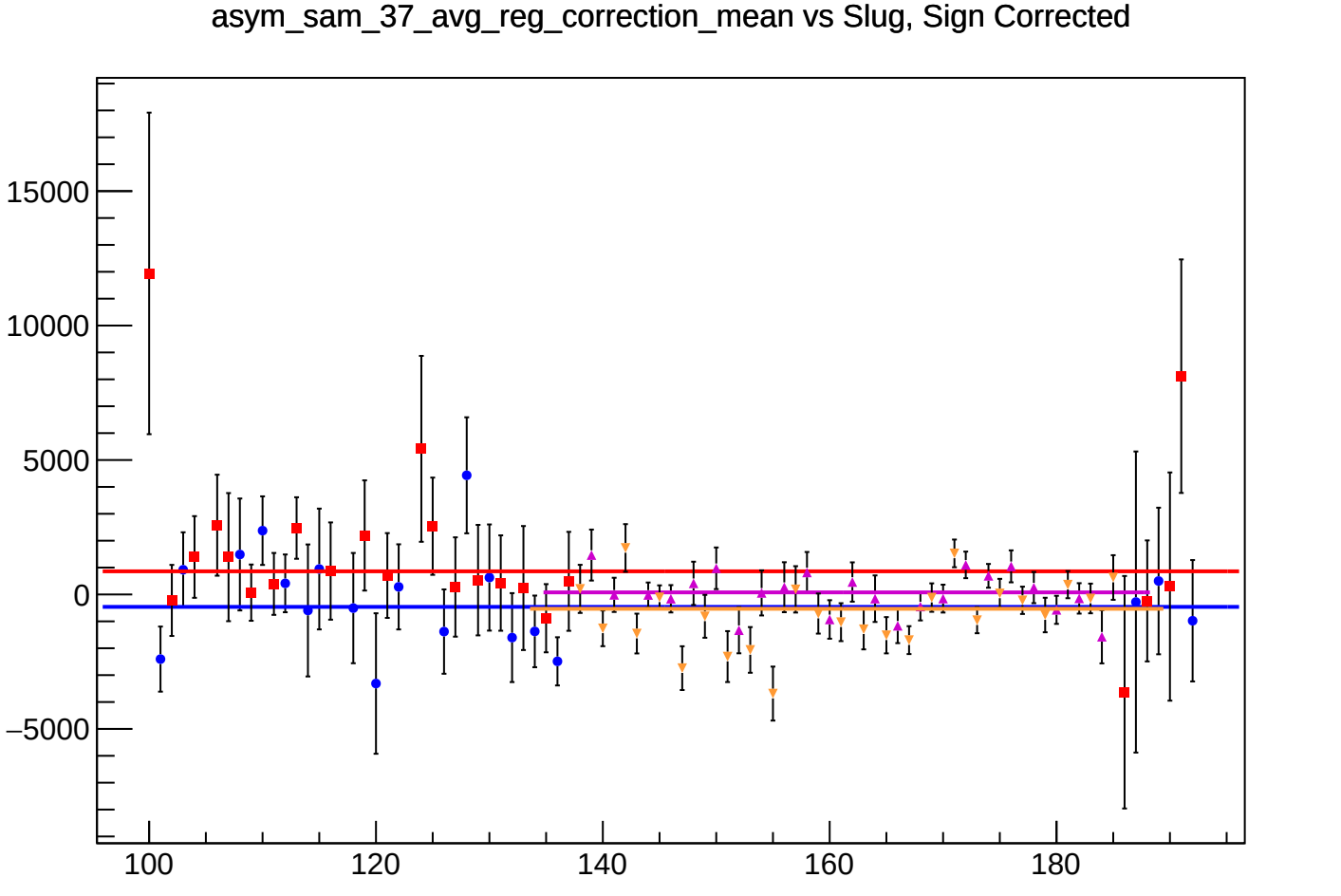
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 78.409+/-0.014 χ^2/NDF: 4773577.7/41

In: 65.869+/-0.009 χ^2/NDF:3355477.3/41

Out: 65.434+/-0.009 χ^2/NDF:3804574.3/47

All: 65.645+/-0.006 χ^2/NDF: 7161181.2/89



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: 860.848+/-363.298 χ^2/NDF: 17.2/22

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

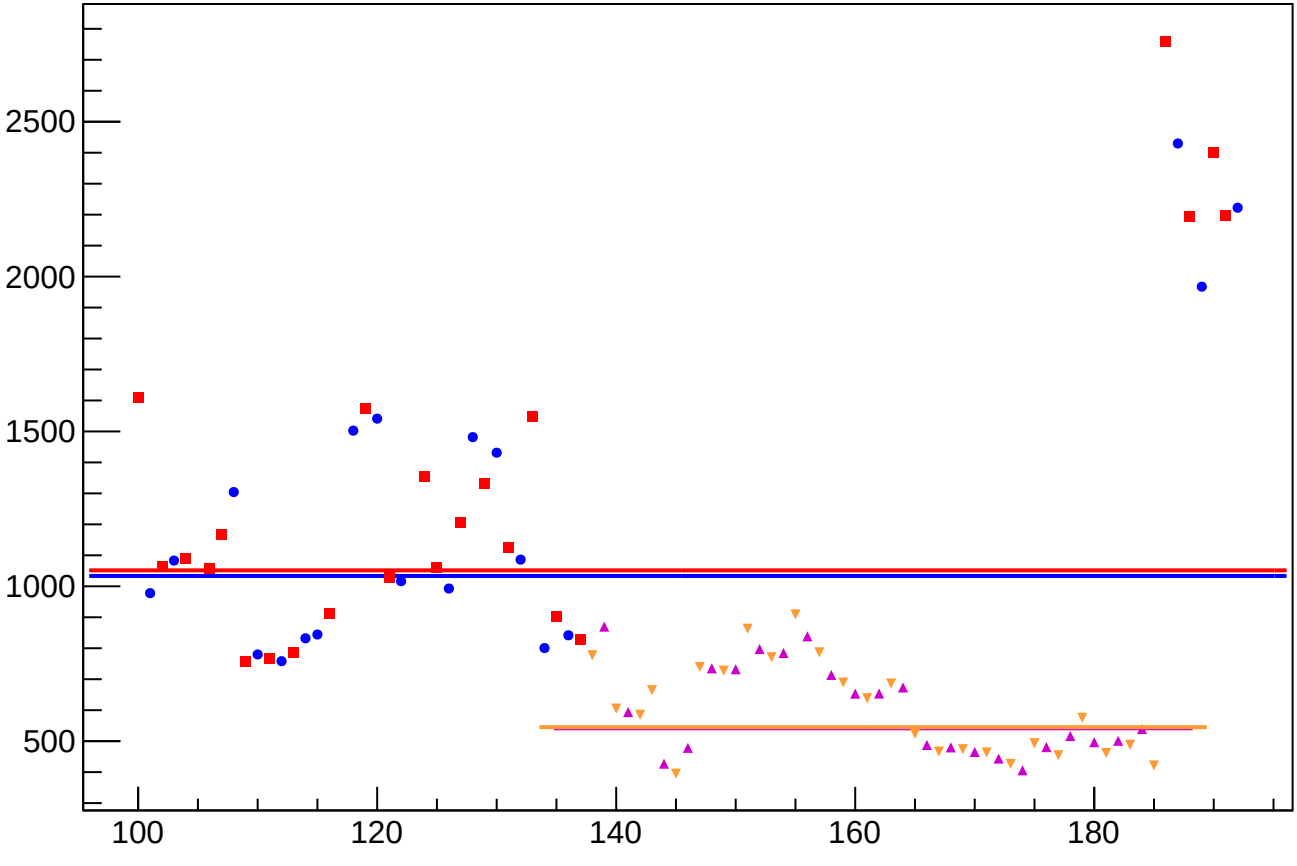
Right: 204.116+/-257.775 χ^2/NDF: 47.6/41

In: 16.678+/-122.760 χ^2/NDF:54.2/41

Out: -379.042+/-120.664 χ^2/NDF:99.4/47

All: -184.589+/-86.054 χ^2/NDF: 158.8/89

asym_sam_37_avg_reg_correction_rms vs Slug, Sign Corrected



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: 1051.505+/-0.257 χ^2/NDF: 1942015.9/22

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

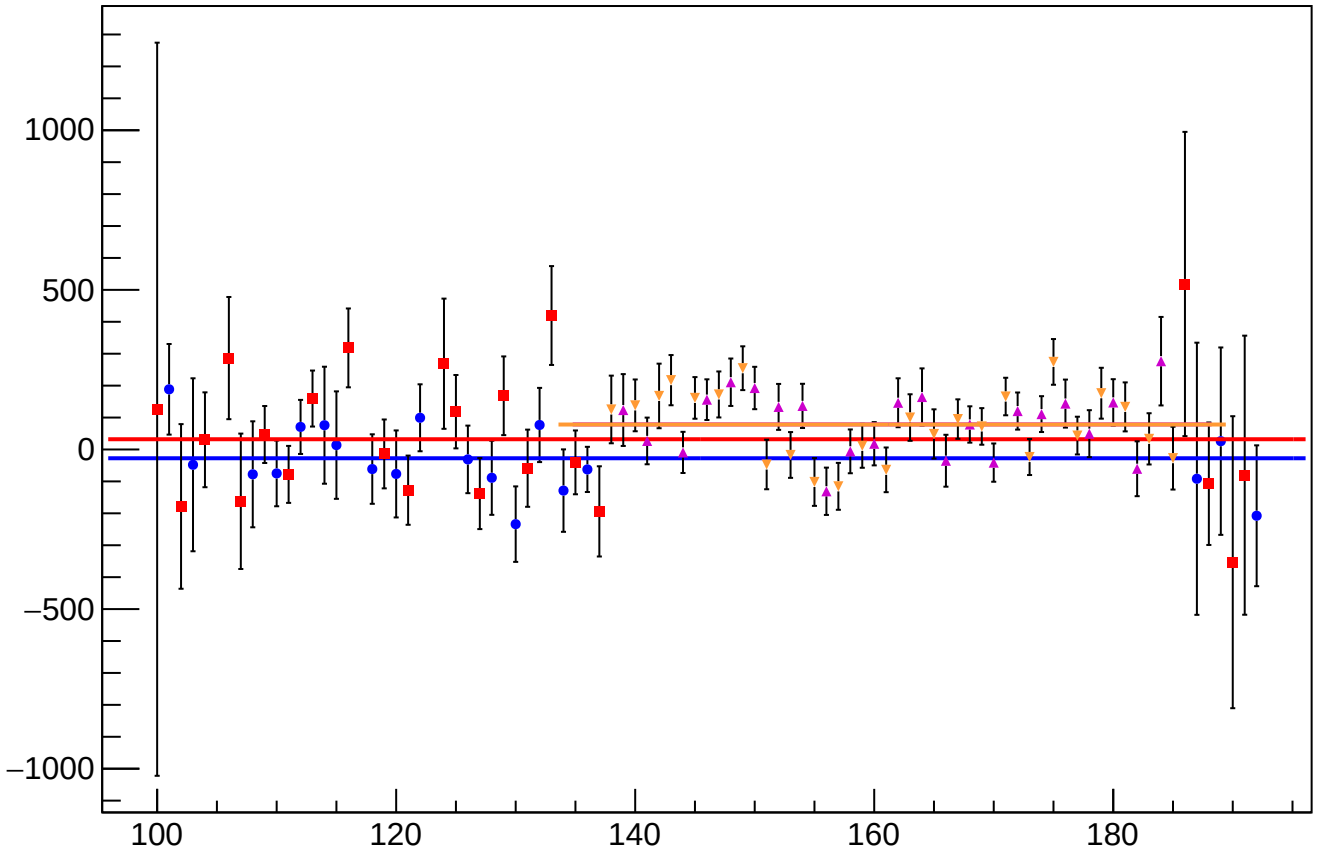
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1042.498+/-0.182 χ^2/NDF: 3641398.6/41

In: 596.854+/-0.087 χ^2/NDF:6746409.6/41

Out: 601.145+/-0.085 χ^2/NDF:7480216.4/47

All: 599.037+/-0.061 χ^2/NDF: 14227868.9/89



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: 32.083+/-27.990 χ^2/NDF: 32.4/22

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

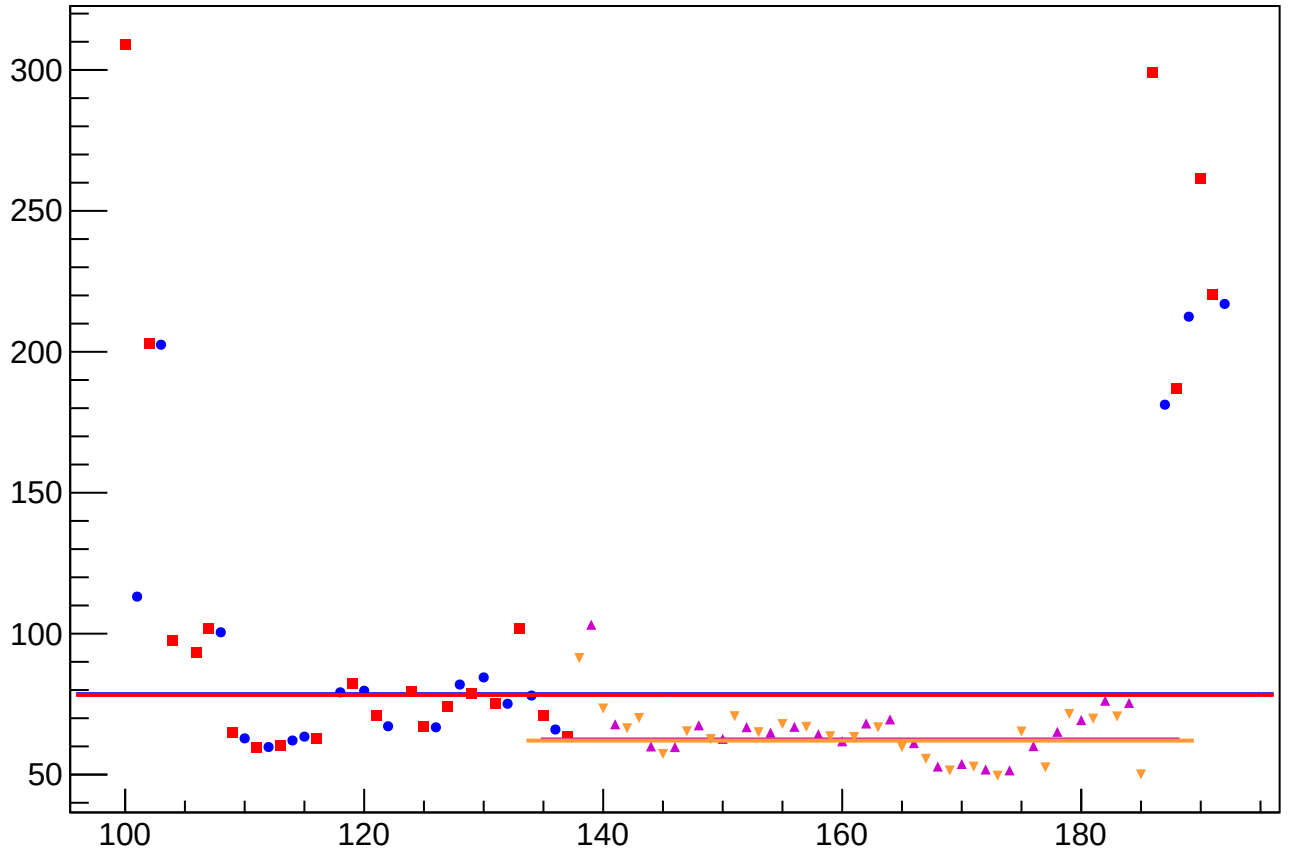
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: 2.792+/-19.959 χ^2/NDF: 46.4/41

In: 55.922+/-13.139 χ^2/NDF:59.3/41

Out: 68.597+/-12.752 χ^2/NDF:88.4/47

All: 62.449+/-9.151 χ^2/NDF: 148.2/89



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: 78.263+/-0.020 χ^2/NDF: 2581587.2/22

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

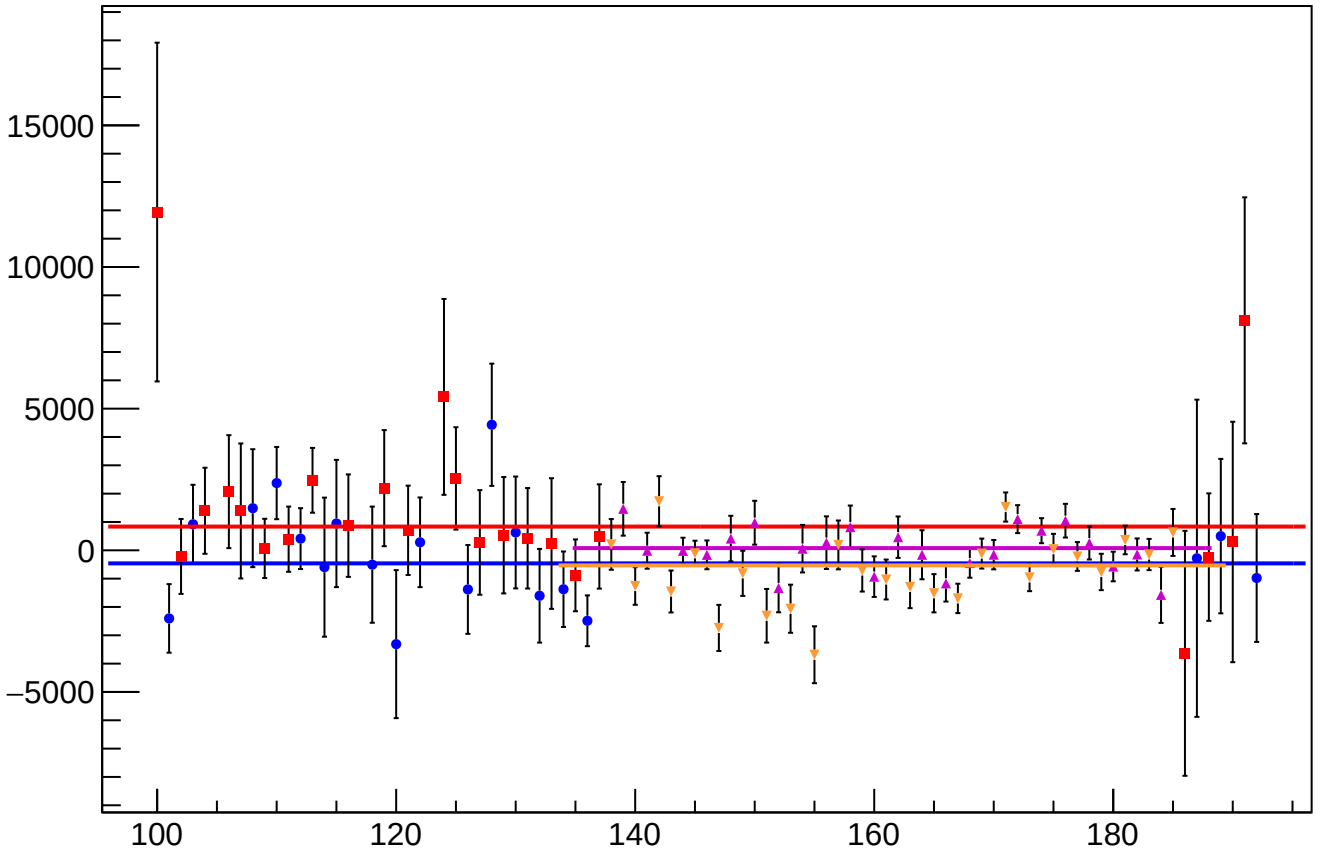
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 78.389+/-0.014 χ^2/NDF: 4770736.4/41

In: 65.869+/-0.009 χ^2/NDF:3355479.2/41

Out: 65.425+/-0.009 χ^2/NDF:3799024.5/47

All: 65.641+/-0.006 χ^2/NDF: 7155679.1/89



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: 837.361+/-364.091 χ^2/NDF: 16.7/22

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

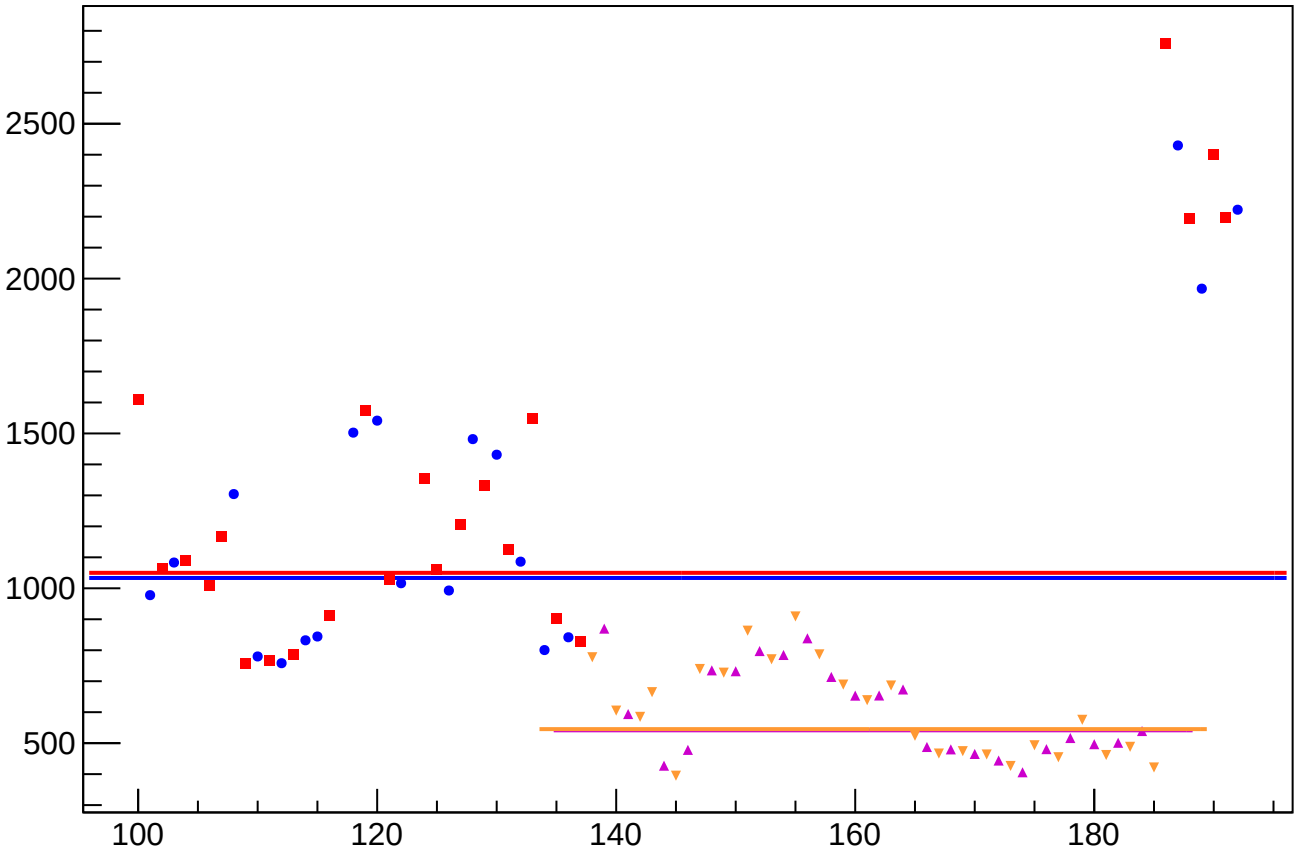
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 190.886+/-258.059 χ^2/NDF: 46.9/41

In: 16.680+/-122.760 χ^2/NDF:54.2/41

Out: -382.216+/-120.693 χ^2/NDF:98.4/47

All: -186.155+/-86.065 χ^2/NDF: 158.0/89



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: 1049.932+/-0.257 χ^2/NDF: 1942882.8/22

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

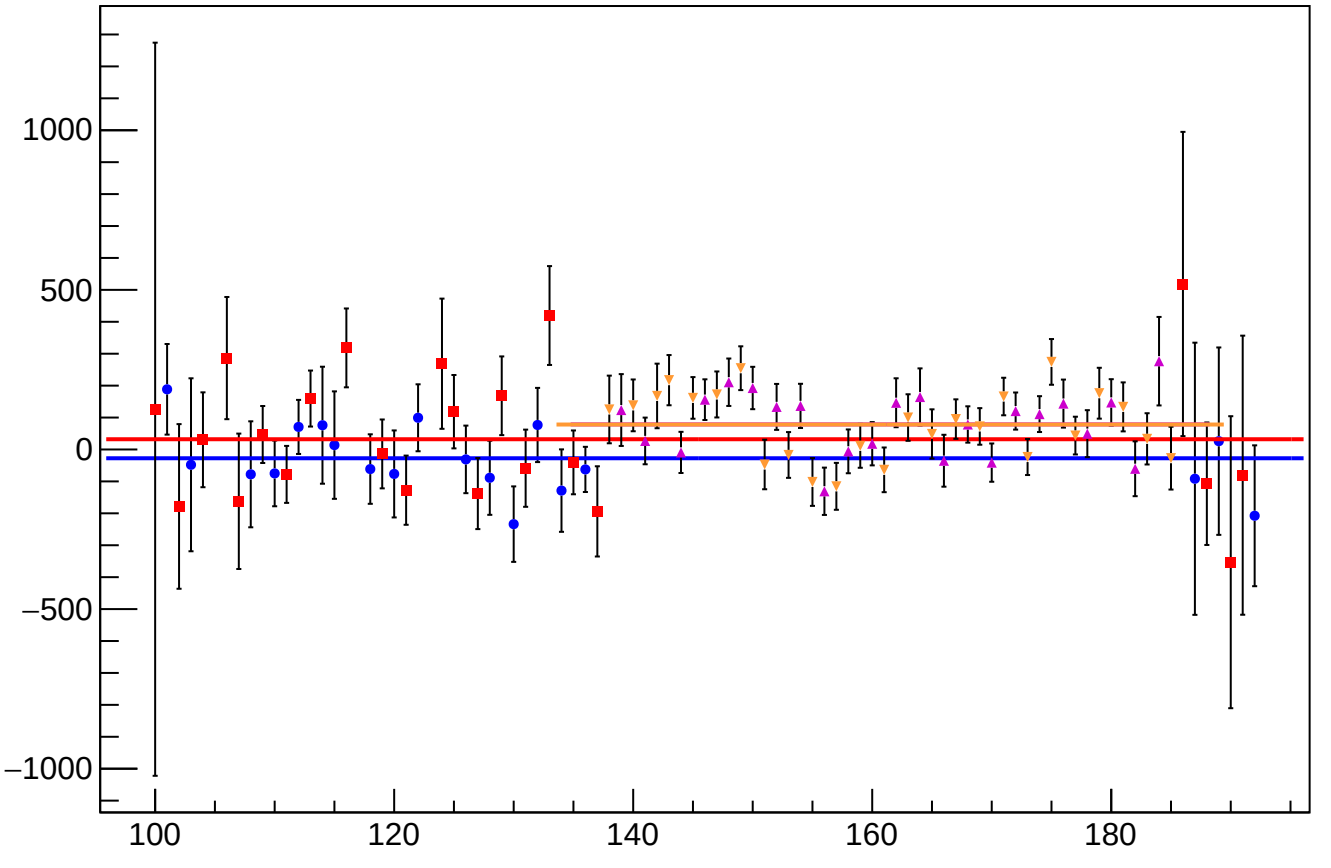
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1041.691+/-0.182 χ^2/NDF: 3641862.7/41

In: 596.854+/-0.087 χ^2/NDF:6746467.2/41

Out: 600.756+/-0.085 χ^2/NDF:7446342.7/47

All: 598.838+/-0.061 χ^2/NDF: 14193837.4/89



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: 32.083+/-27.990 χ^2/NDF: 32.4/22

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

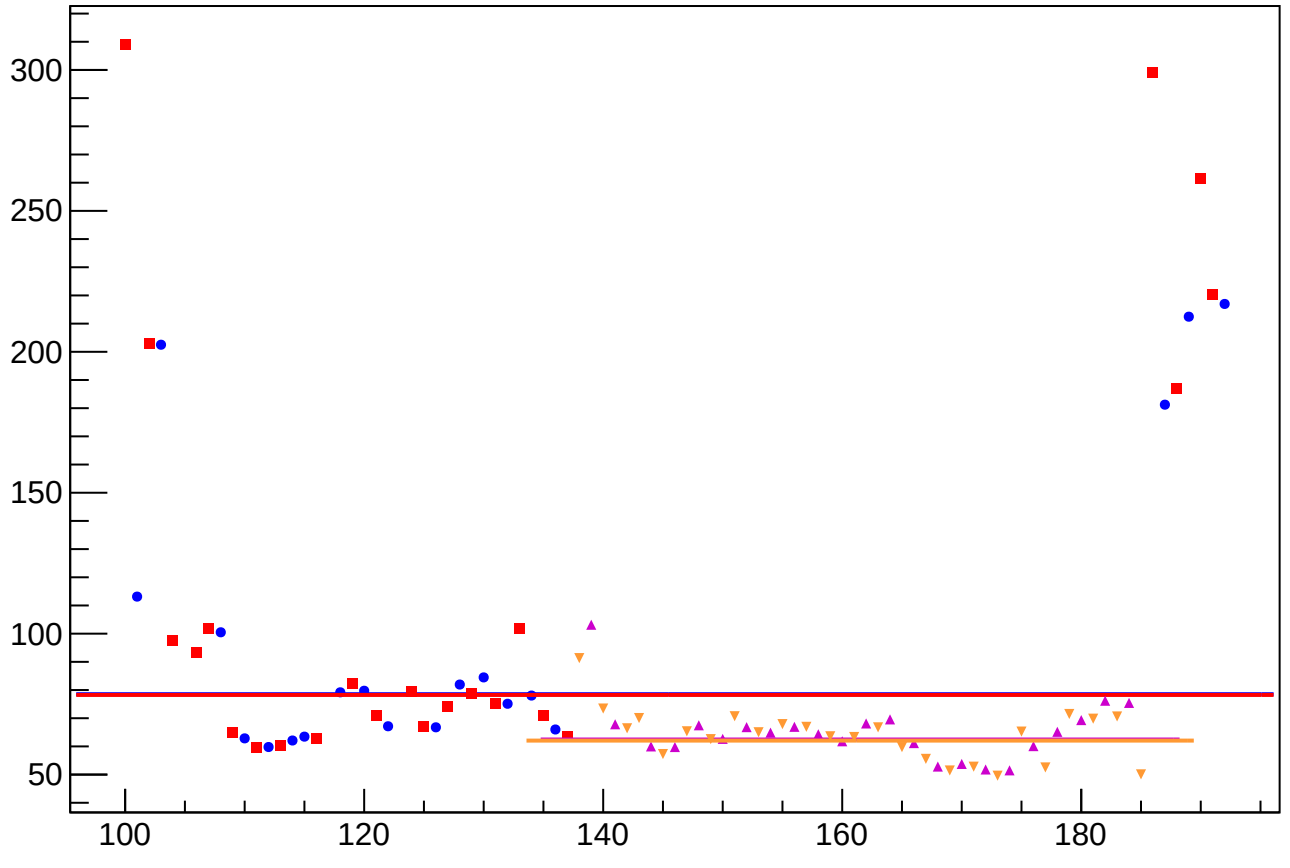
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: 2.792+/-19.959 χ^2/NDF: 46.4/41

In: 55.922+/-13.139 χ^2/NDF:59.3/41

Out: 68.597+/-12.752 χ^2/NDF:88.4/47

All: 62.449+/-9.151 χ^2/NDF: 148.2/89



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: 78.263+/-0.020 χ^2/NDF: 2581587.2/22

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

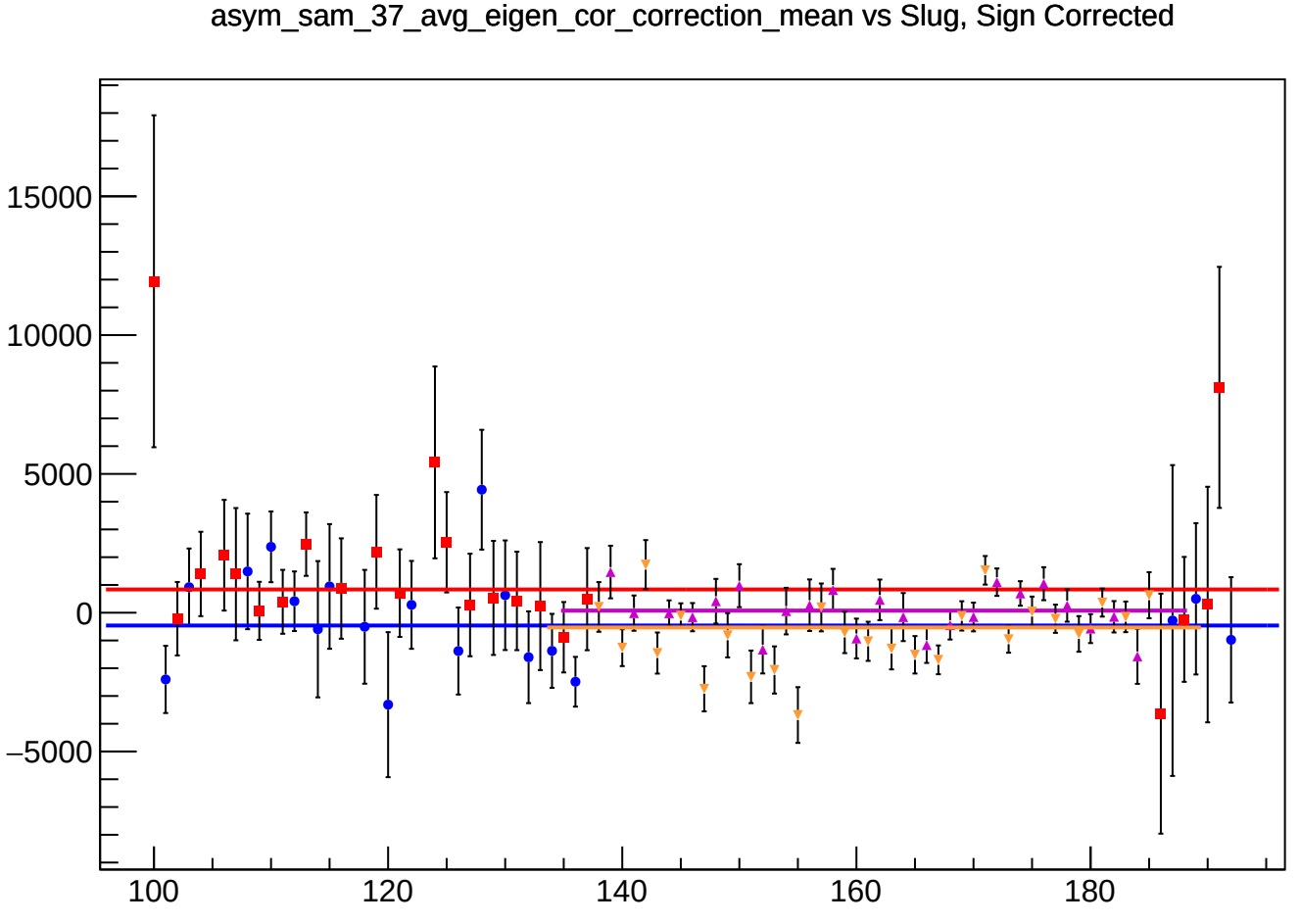
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 78.389+/-0.014 χ^2/NDF: 4770736.4/41

In: 65.869+/-0.009 χ^2/NDF:3355479.2/41

Out: 65.425+/-0.009 χ^2/NDF:3799024.5/47

All: 65.641+/-0.006 χ^2/NDF: 7155679.1/89



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: 837.361+/-364.091 χ^2/NDF: 16.7/22

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

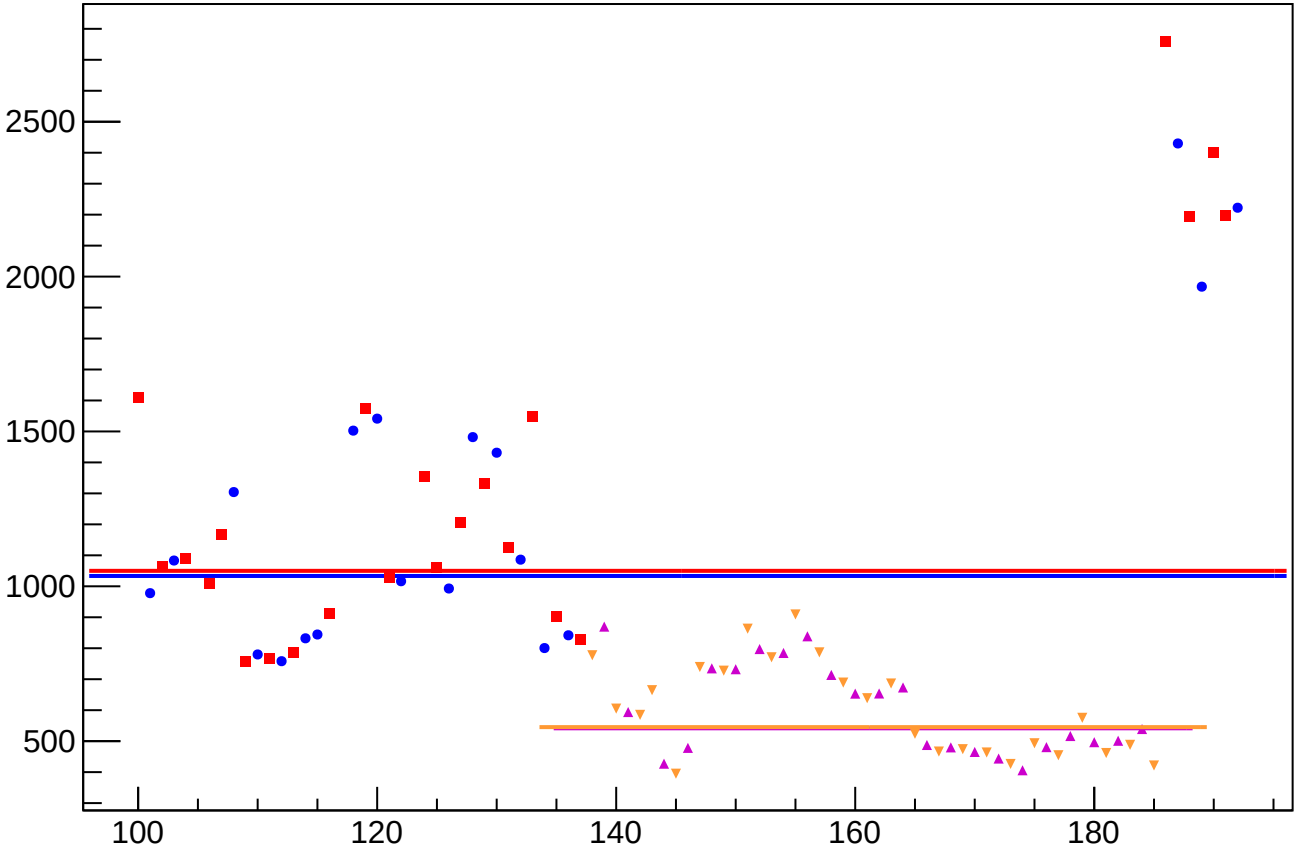
Right: 190.886+/-258.059 χ^2/NDF: 46.9/41

In: 16.680+/-122.760 χ^2/NDF:54.2/41

Out: -382.216+/-120.693 χ^2/NDF:98.4/47

All: -186.155+/-86.065 χ^2/NDF: 158.0/89

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1049.932+/-0.257 χ^2/NDF: 1942882.8/22

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

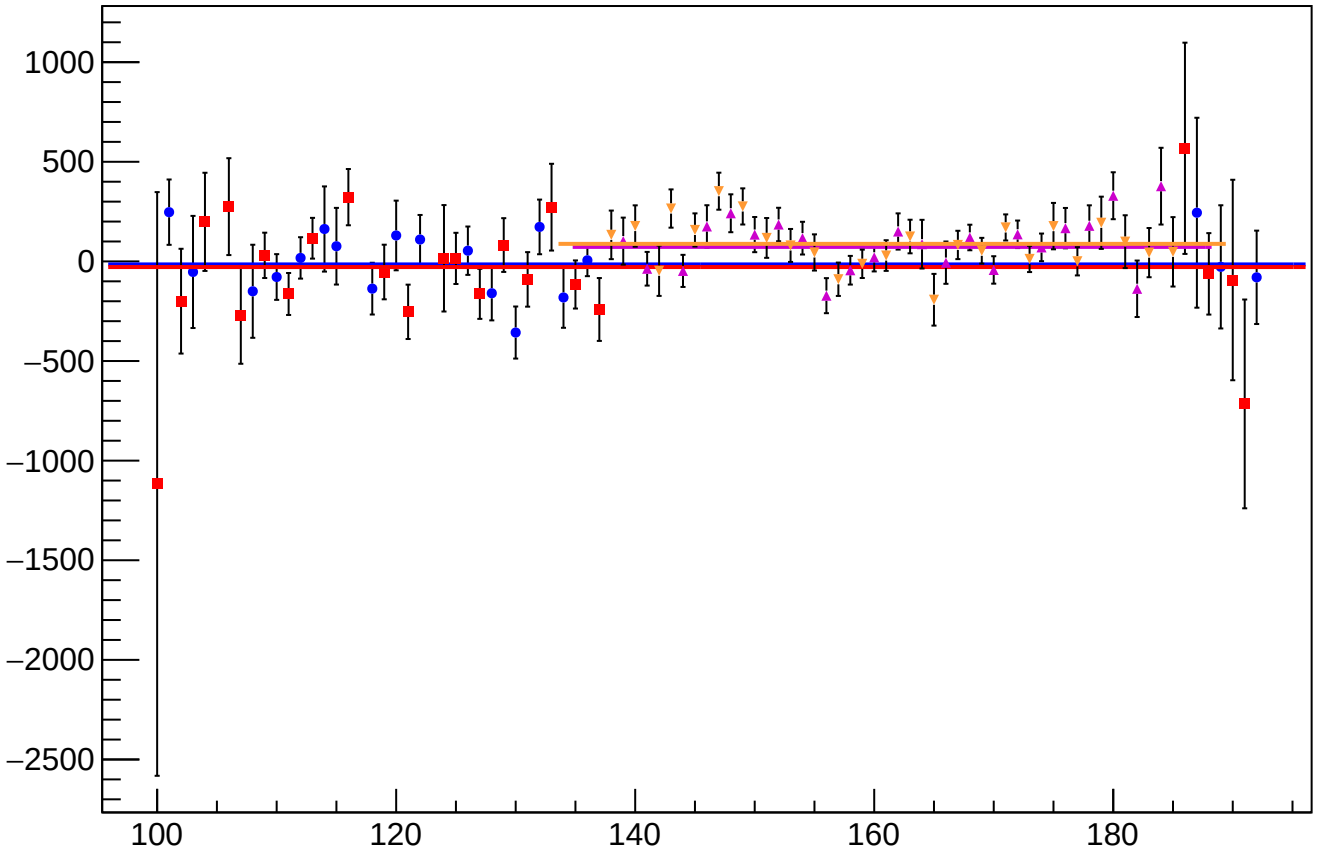
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1041.691+/-0.182 χ^2/NDF: 3641862.7/41

In: 596.854+/-0.087 χ^2/NDF:6746467.2/41

Out: 600.756+/-0.085 χ^2/NDF:7446342.7/47

All: 598.838+/-0.061 χ^2/NDF: 14193837.4/89



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: -28.344+/-33.400 χ^2/NDF: 26.6/22

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

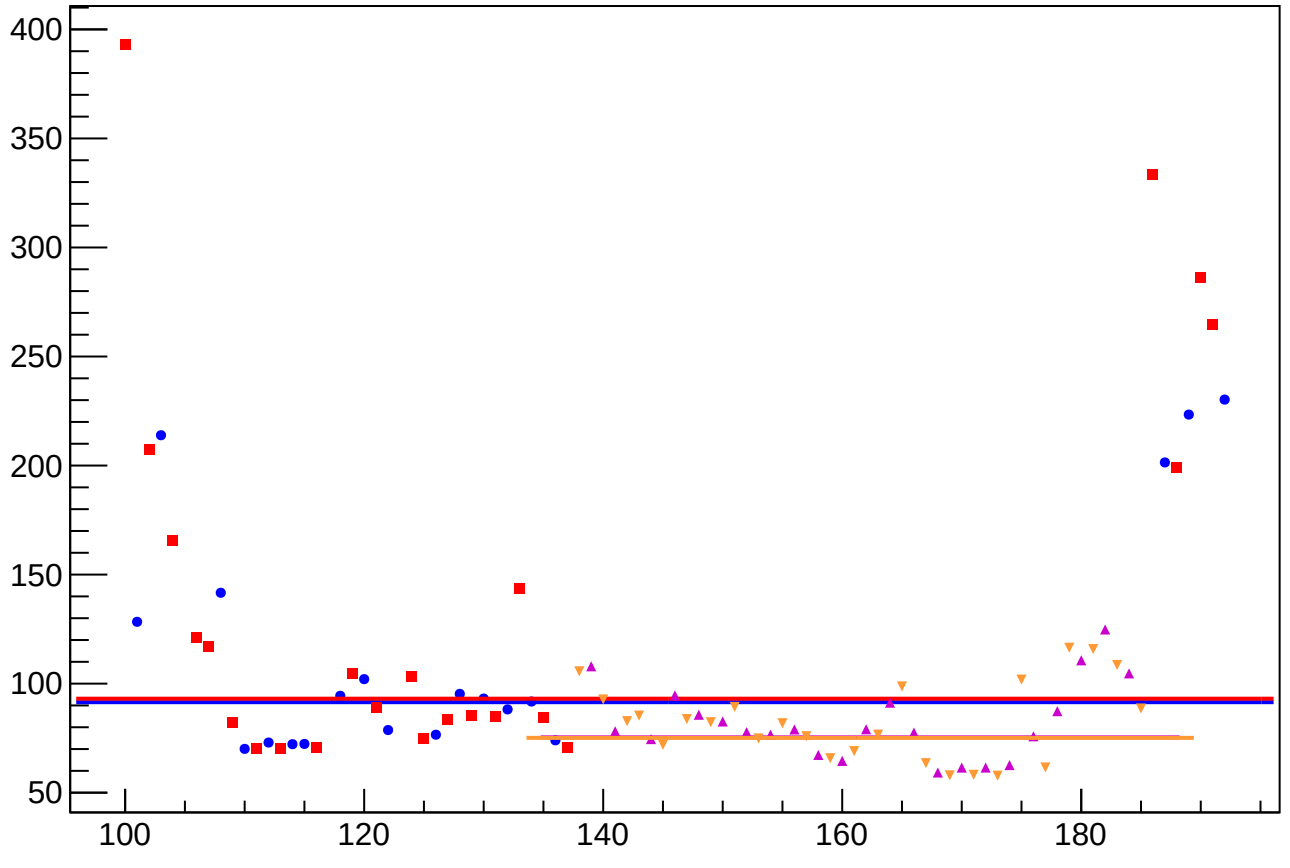
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -21.692+/-23.525 χ^2/NDF: 45.3/41

In: 52.331+/-16.004 χ^2/NDF:62.5/41

Out: 62.421+/-15.670 χ^2/NDF:73.0/47

All: 57.482+/-11.197 χ^2/NDF: 135.7/89



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: 93.098+/-0.024 χ^2/NDF: 2638508.1/22

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

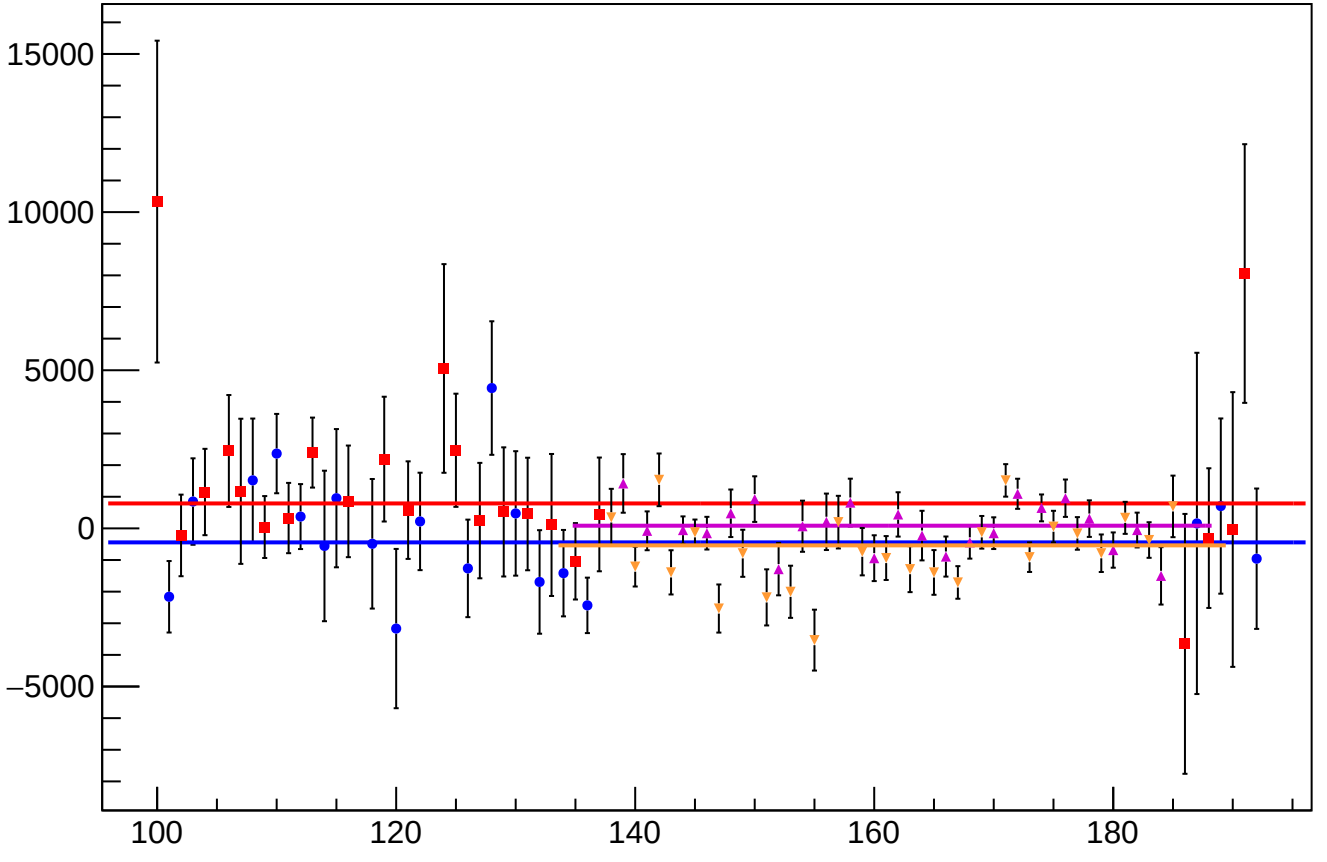
Right: 92.289+/-0.017 χ^2/NDF: 4712295.0/41

In: 79.124+/-0.011 χ^2/NDF:3660005.1/41

Out: 79.084+/-0.011 χ^2/NDF:4691501.7/47

All: 79.103+/-0.008 χ^2/NDF: 8351513.2/89

asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected



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: 788.794+/-349.524 χ^2/NDF: 18.2/22

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

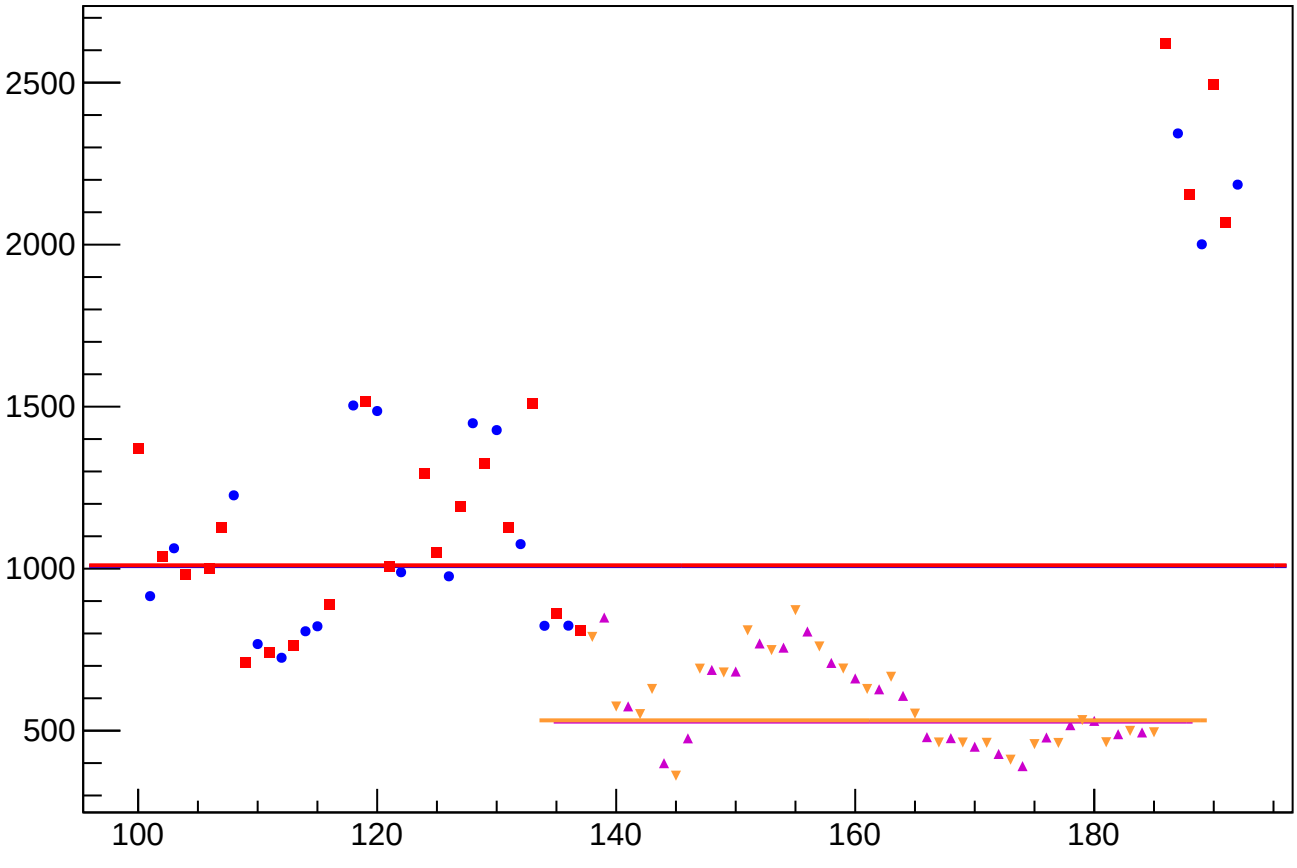
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 186.002+/-249.731 χ^2/NDF: 48.3/41

In: 25.382+/-119.685 χ^2/NDF:53.4/41

Out: -387.600+/-117.258 χ^2/NDF:98.0/47

All: -185.338+/-83.759 χ^2/NDF: 157.5/89



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: 1010.345+/-0.247 χ^2/NDF: 2020462.7/22

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

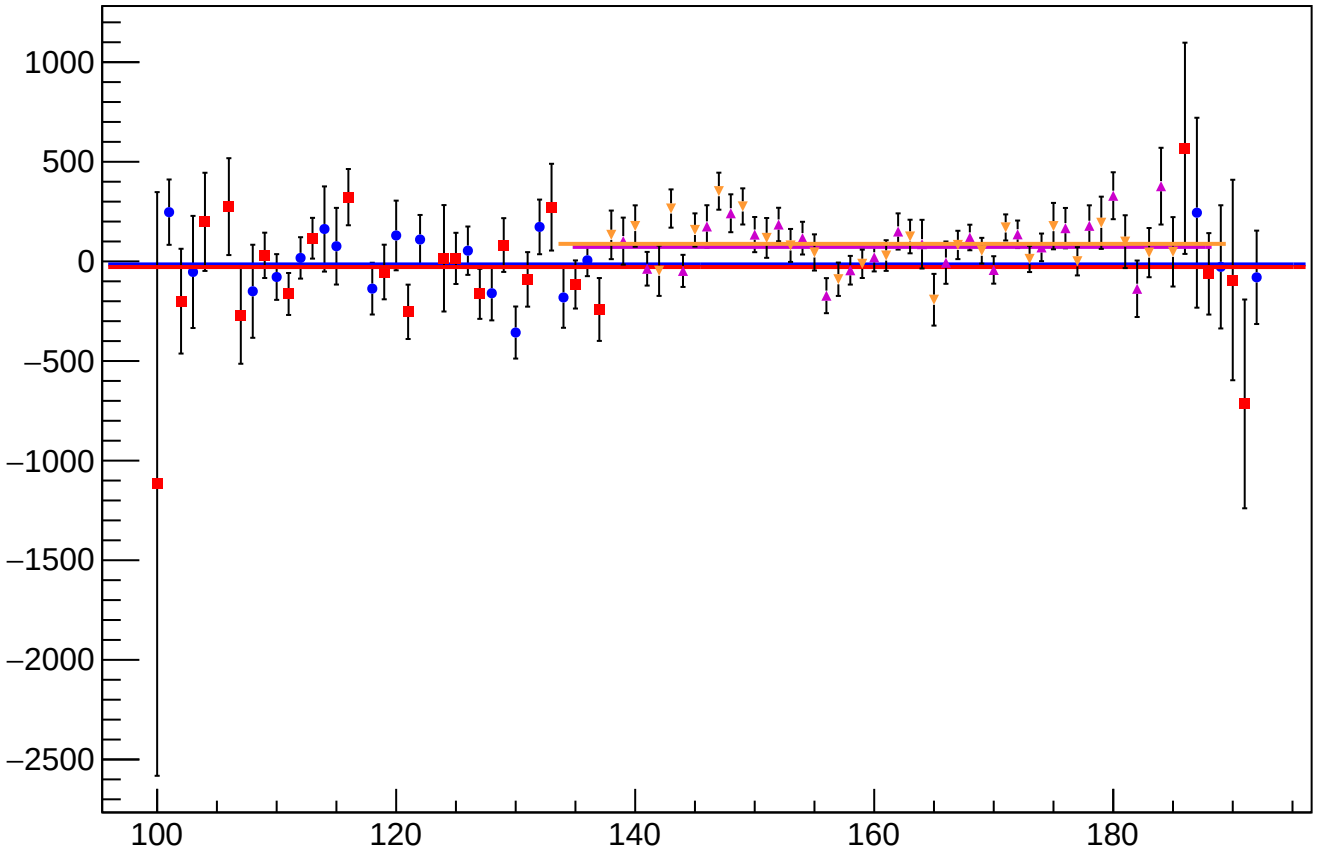
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1009.164+/-0.177 χ^2/NDF: 3755135.1/41

In: 581.947+/-0.085 χ^2/NDF:6744537.0/41

Out: 585.722+/-0.083 χ^2/NDF:7384314.2/47

All: 583.874+/-0.059 χ^2/NDF: 14129866.4/89



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: -28.346+/-33.400 χ^2/NDF: 26.6/22

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

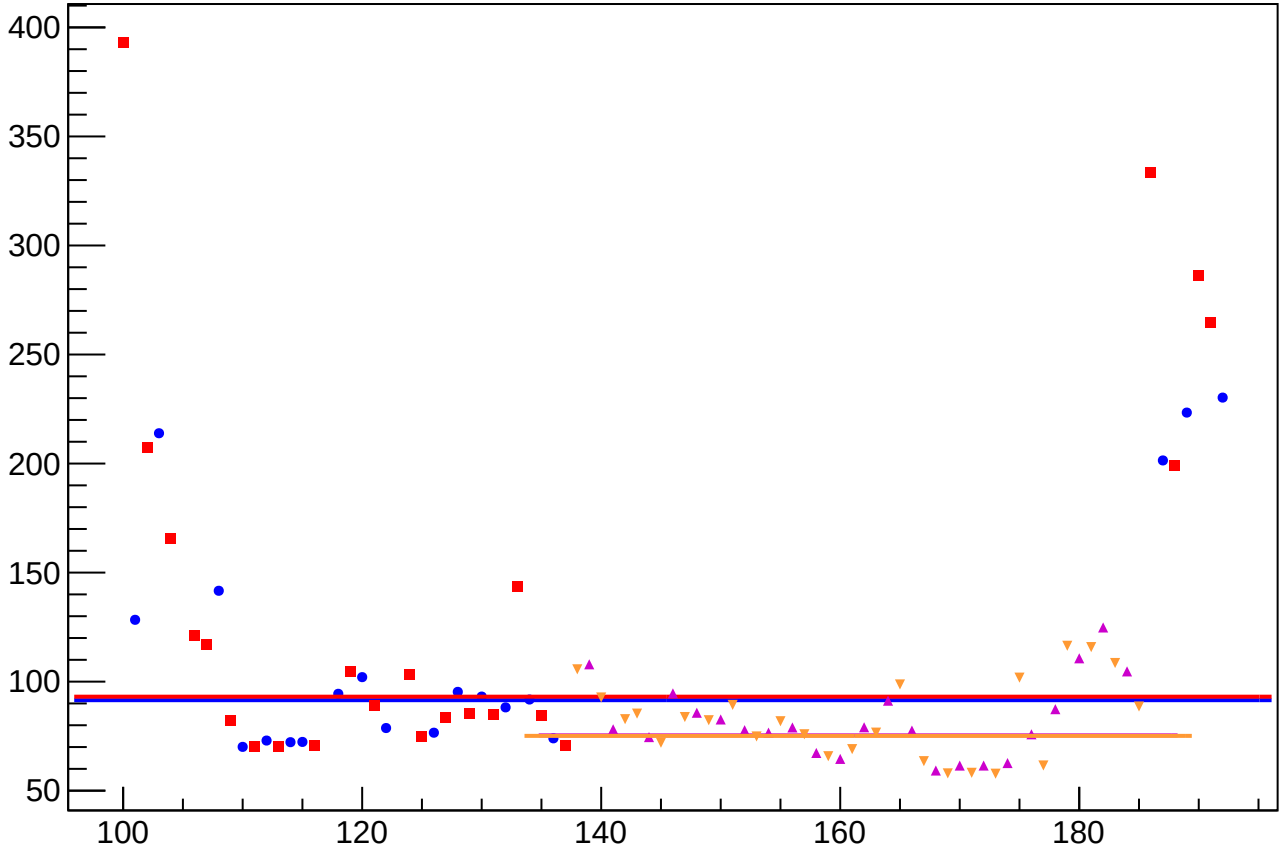
Right: -21.693+/-23.526 χ^2/NDF: 45.3/41

In: 52.331+/-16.004 χ^2/NDF:62.5/41

Out: 62.421+/-15.670 χ^2/NDF:73.0/47

All: 57.482+/-11.197 χ^2/NDF: 135.7/89

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



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: 93.099+/-0.024 χ^2/NDF: 2638503.9/22

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

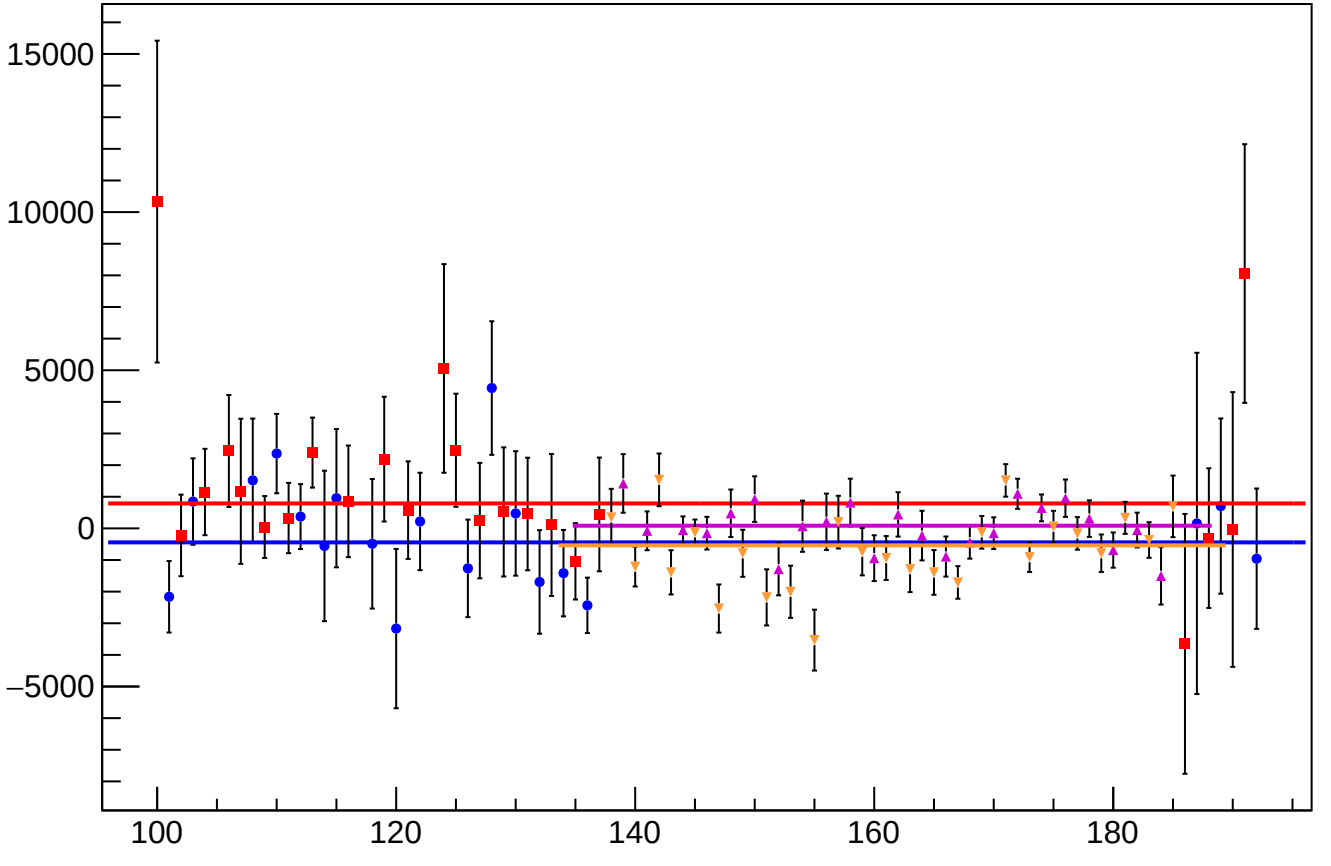
Right: 92.289+/-0.017 χ^2/NDF: 4712279.4/41

In: 79.124+/-0.011 χ^2/NDF:3659999.4/41

Out: 79.084+/-0.011 χ^2/NDF:4691505.9/47

All: 79.104+/-0.008 χ^2/NDF: 8351511.7/89

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: 788.794+/-349.524 χ^2/NDF: 18.2/22

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

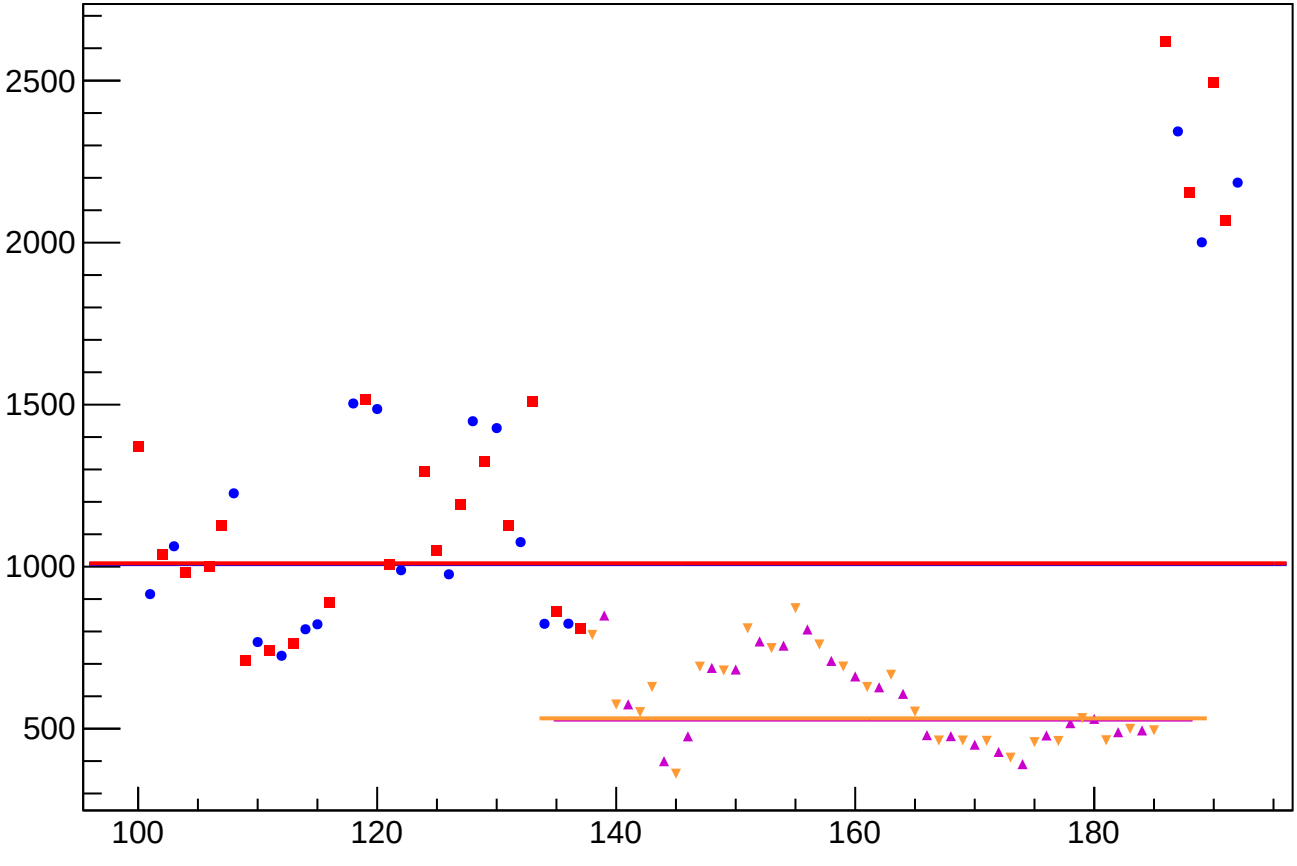
Right: 186.003+/-249.731 χ^2/NDF: 48.3/41

In: 25.382+/-119.685 χ^2/NDF:53.4/41

Out: -387.600+/-117.258 χ^2/NDF:98.0/47

All: -185.338+/-83.759 χ^2/NDF: 157.5/89

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 1010.343+/-0.247 χ^2/NDF: 2020464.2/22

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

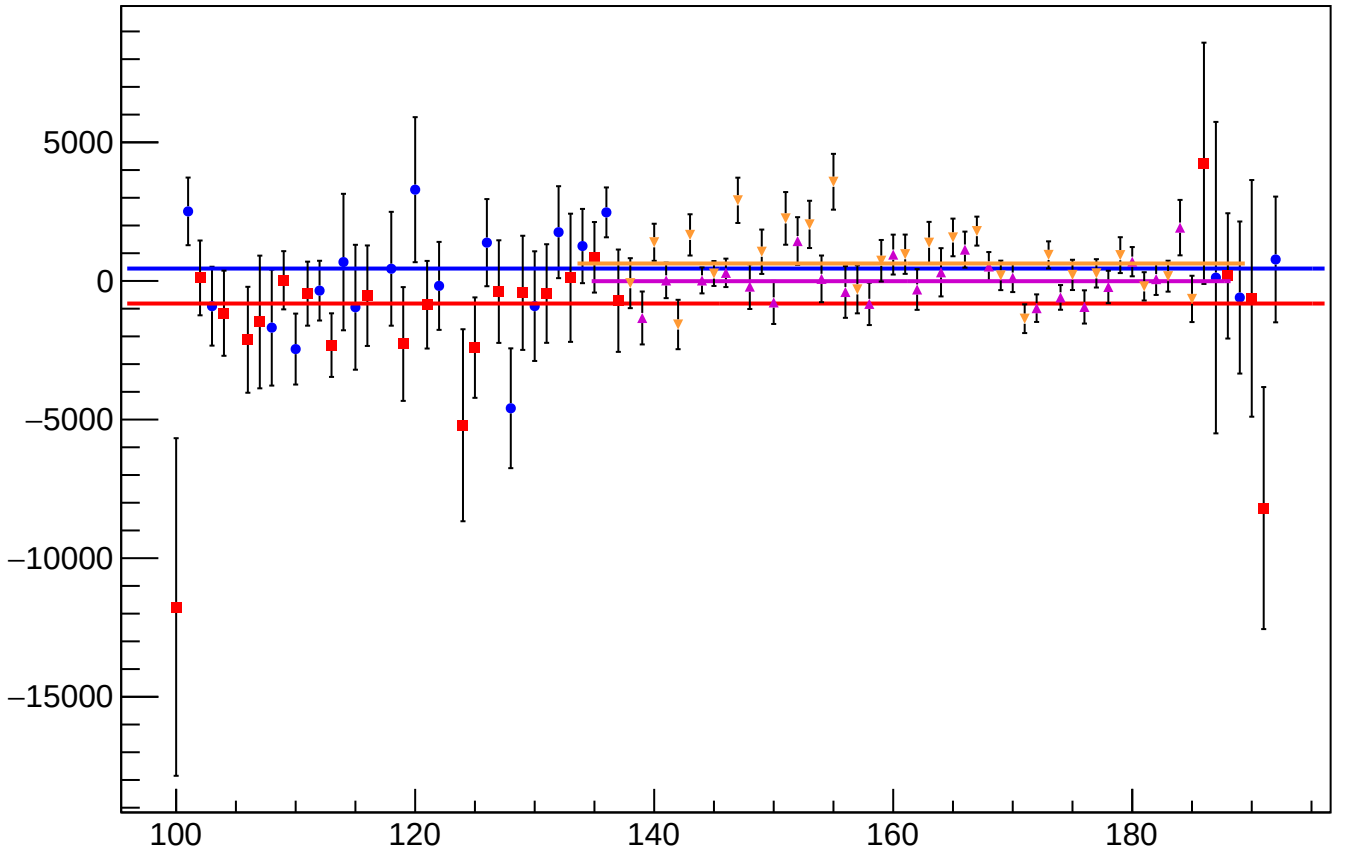
Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

Right: 1009.162+/-0.177 χ^2/NDF: 3755140.7/41

In: 581.947+/-0.085 χ^2/NDF:6744523.0/41

Out: 585.722+/-0.083 χ^2/NDF:7384299.1/47

All: 583.873+/-0.059 χ^2/NDF: 14129837.4/89



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: -814.562+/-365.248 χ^2/NDF: 16.1/22

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

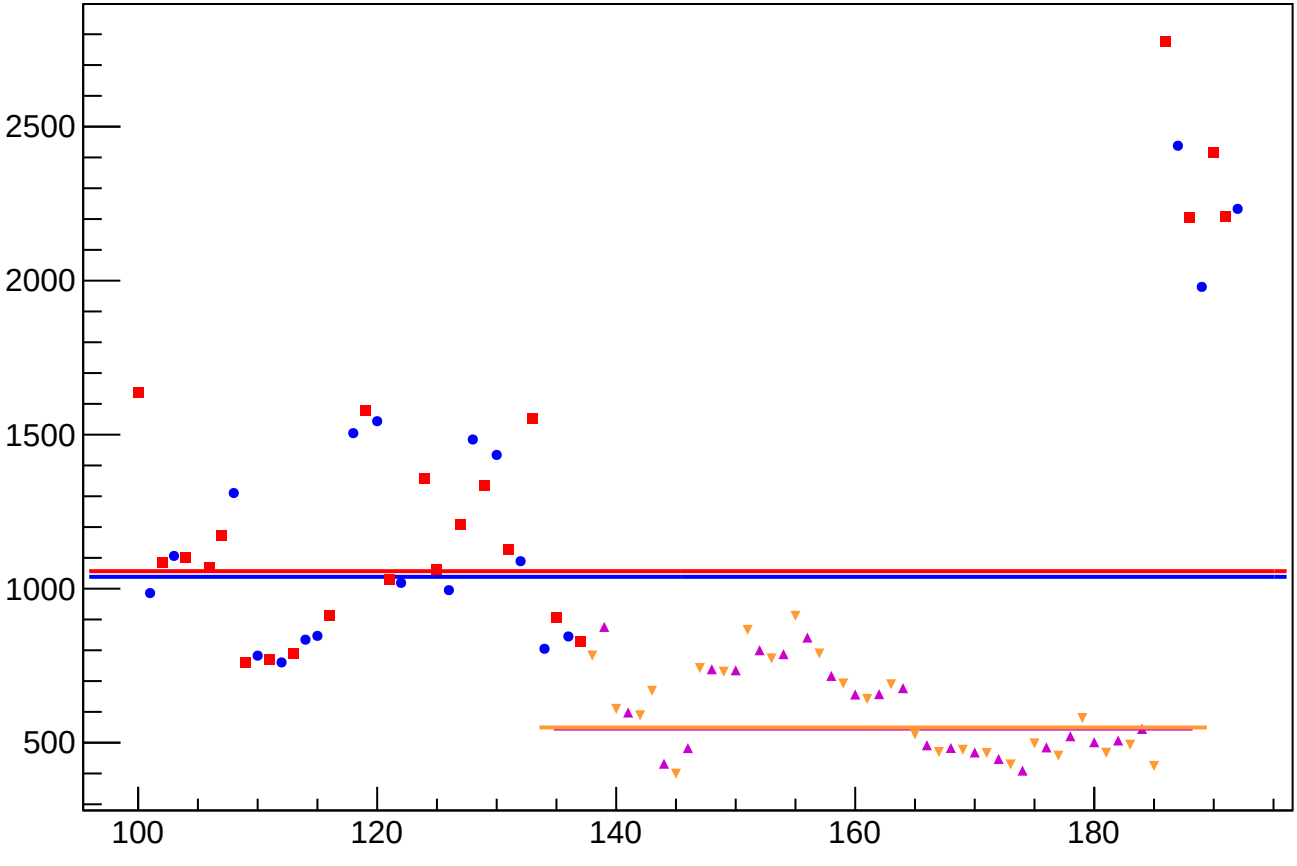
Right: -187.861+/-259.102 χ^2/NDF: 46.7/41

In: 43.060+/-123.641 χ^2/NDF:53.4/41

Out: 469.562+/-121.513 χ^2/NDF:94.9/47

All: 260.012+/-86.665 χ^2/NDF: 154.3/89

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: 1056.788+/-0.258 χ^2/NDF: 1946529.5/22

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

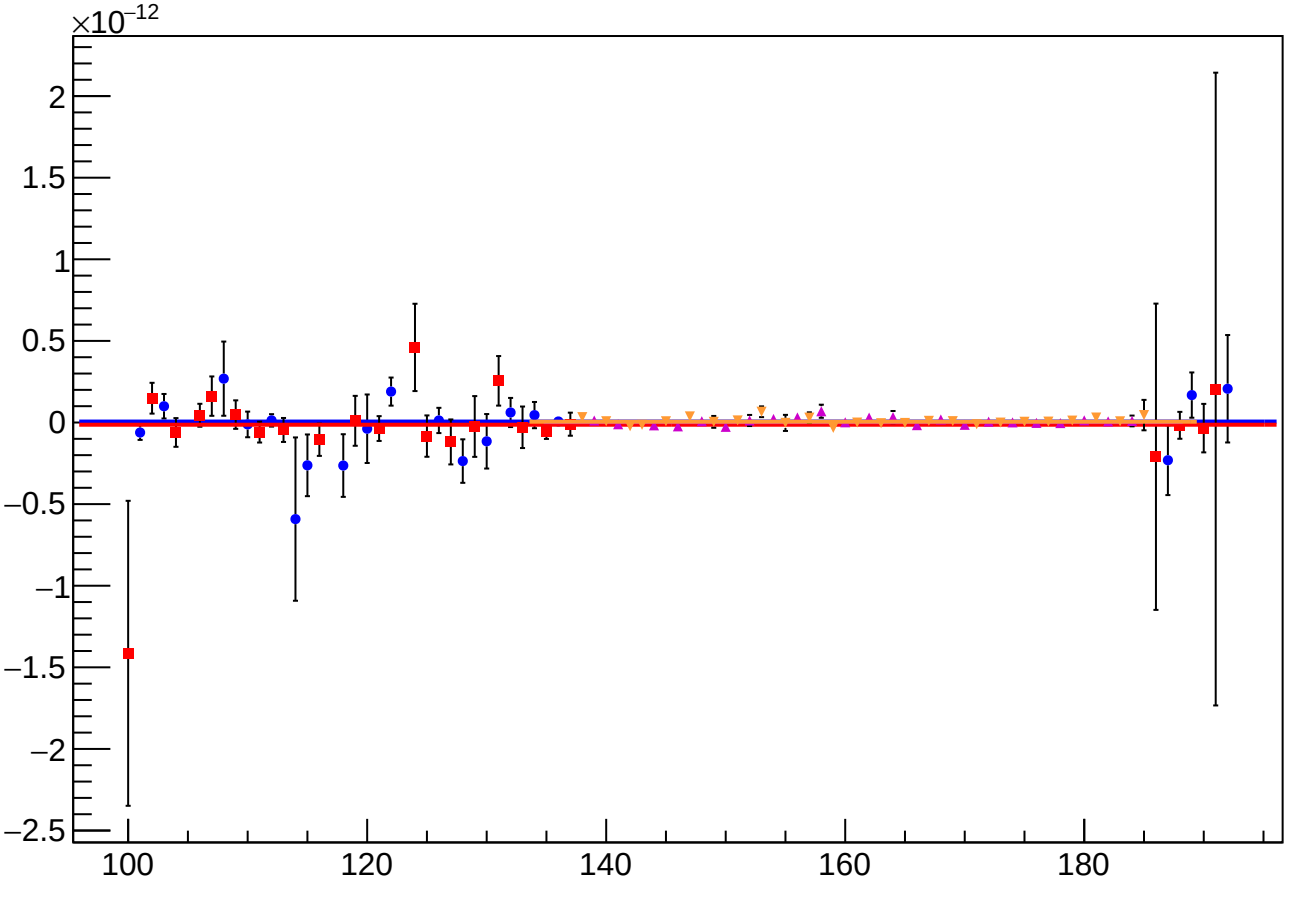
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1047.663+/-0.183 χ^2/NDF: 3647380.4/41

In: 601.443+/-0.087 χ^2/NDF:6699201.5/41

Out: 605.625+/-0.086 χ^2/NDF:7431783.3/47

All: 603.570+/-0.061 χ^2/NDF: 14132148.4/89



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: 18.5/22

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

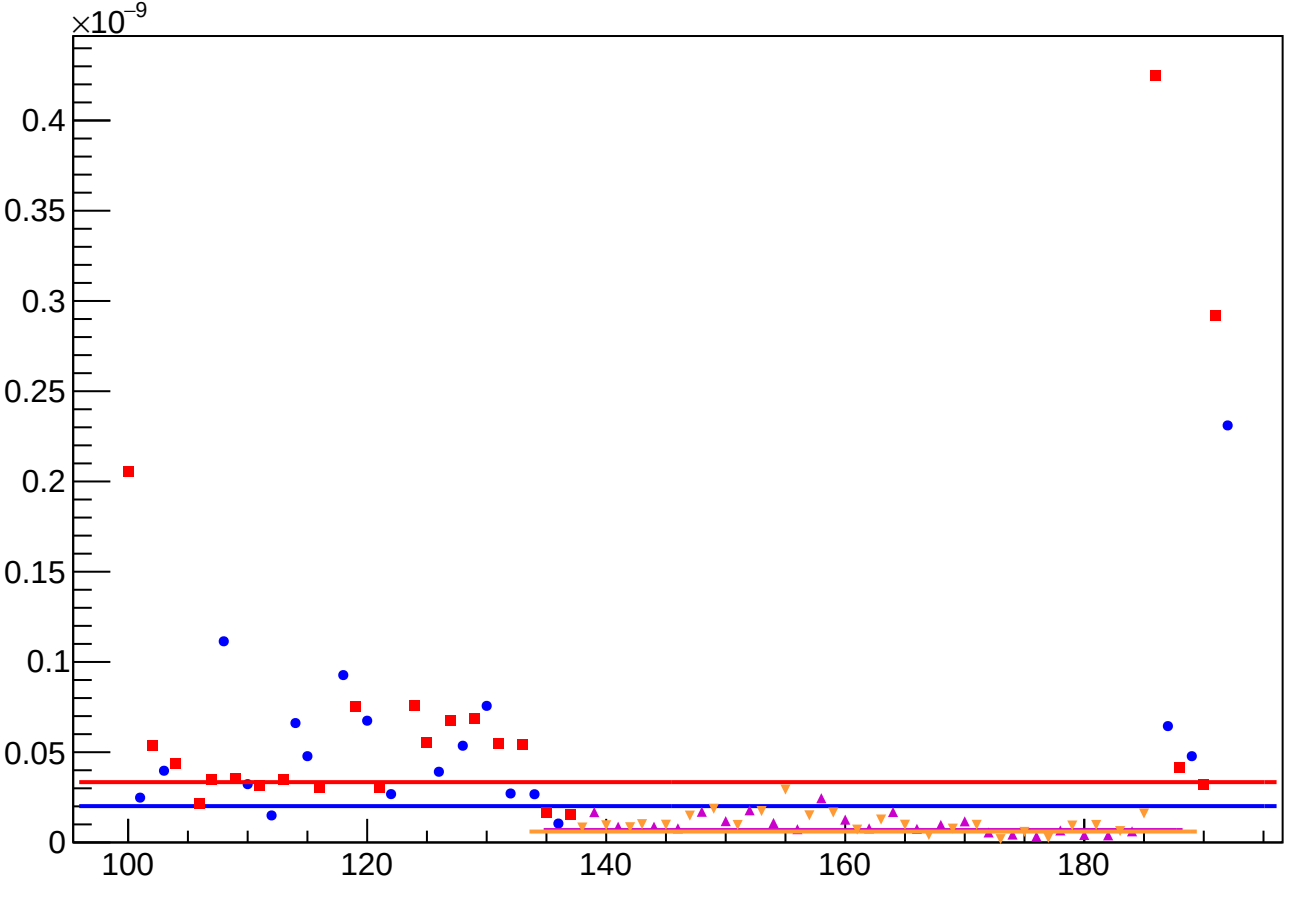
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 41.8/41

In: 0.000+/-0.000 χ^2/NDF:42.7/41

Out: 0.000+/-0.000 χ^2/NDF:35.0/47

All: 0.000+/-0.000 χ^2/NDF: 77.8/89



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: 1586323.2/22

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

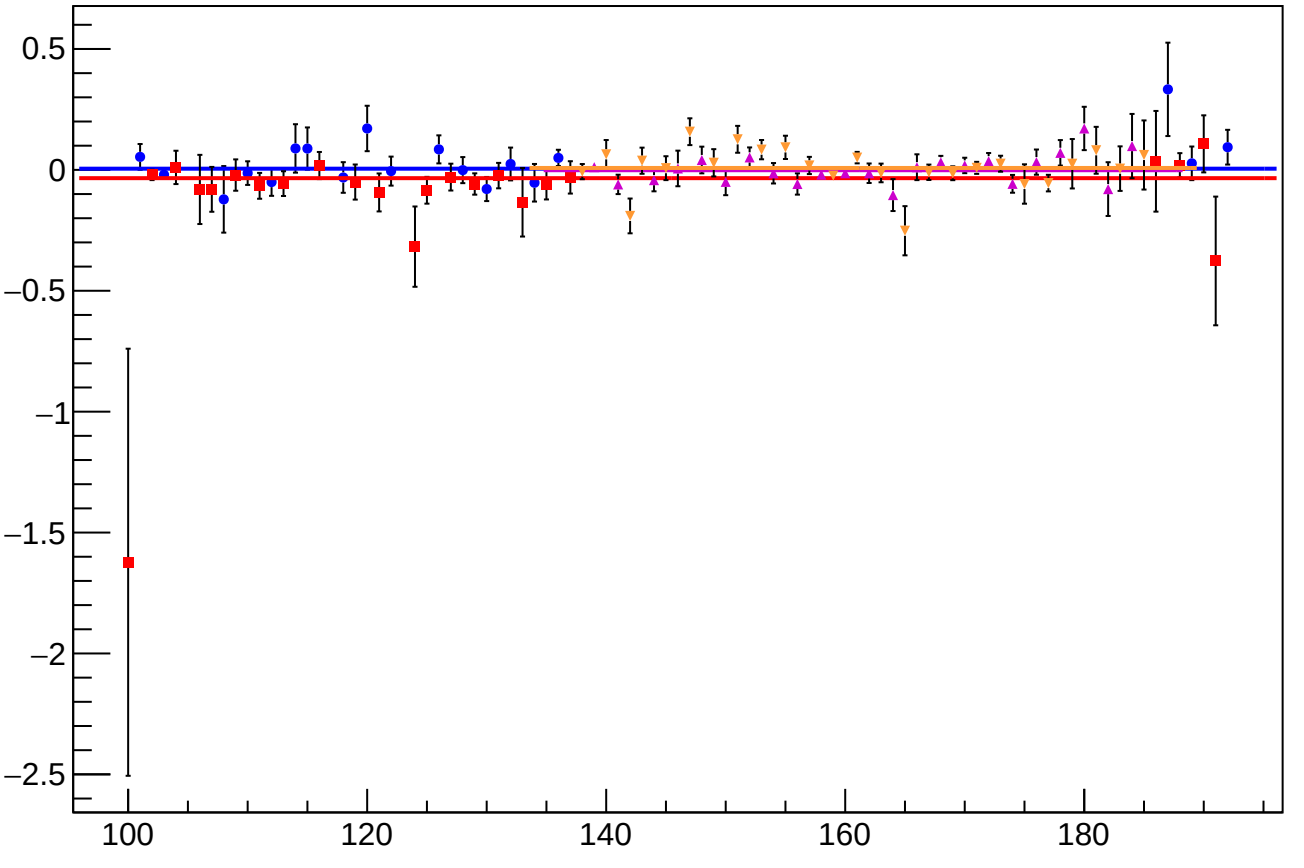
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 5145536.4/41

In: 0.000+/-0.000 χ^2/NDF:7018426.4/41

Out: 0.000+/-0.000 χ^2/NDF:8898359.9/47

All: 0.000+/-0.000 χ^2/NDF: 15995342.5/89



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: -0.034+/-0.012 χ^2/NDF: 15.5/22

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

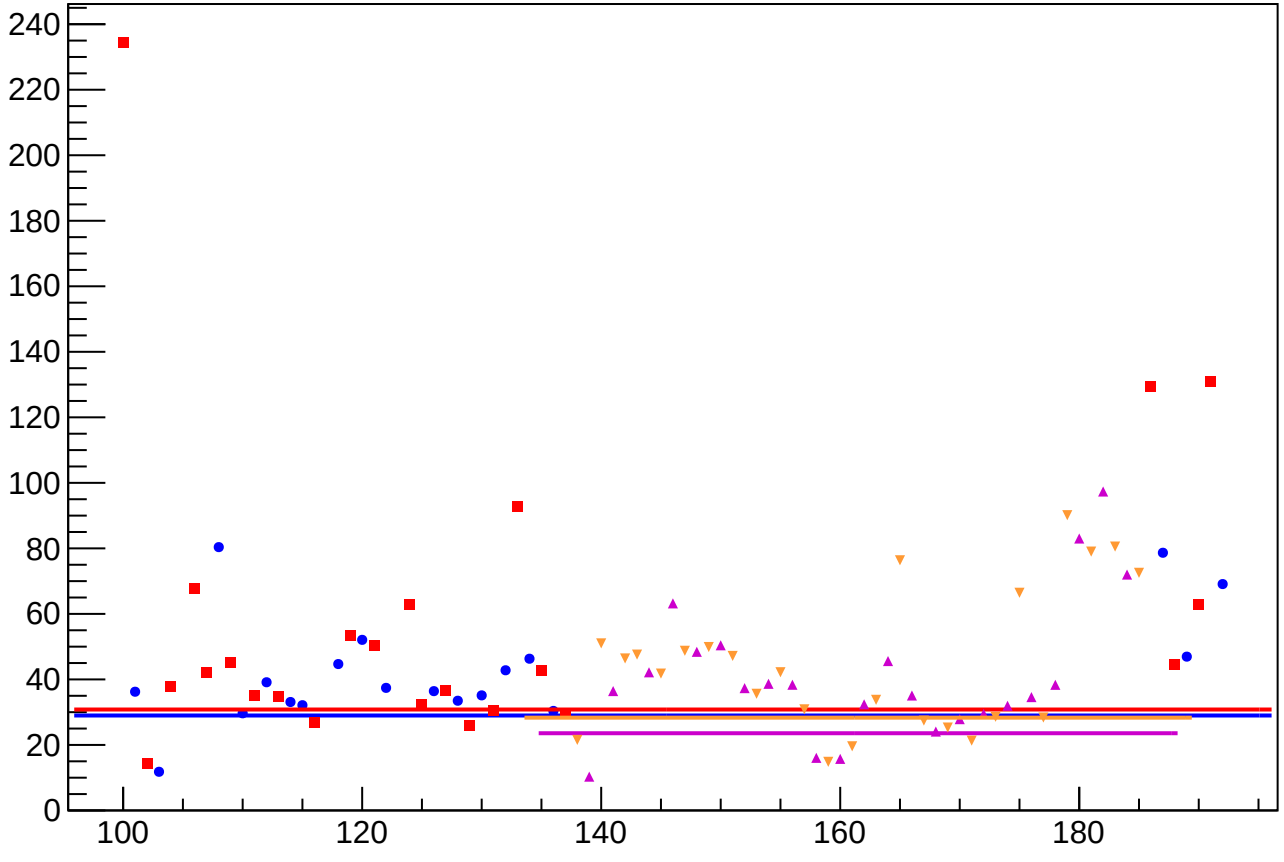
Right: -0.014+/-0.008 χ^2/NDF: 42.1/41

In: 0.000+/-0.006 χ^2/NDF:46.5/41

Out: -0.004+/-0.006 χ^2/NDF:71.8/47

All: -0.002+/-0.004 χ^2/NDF: 118.5/89

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: 30.814+/-0.009 χ^2/NDF: 3529654.3/22

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

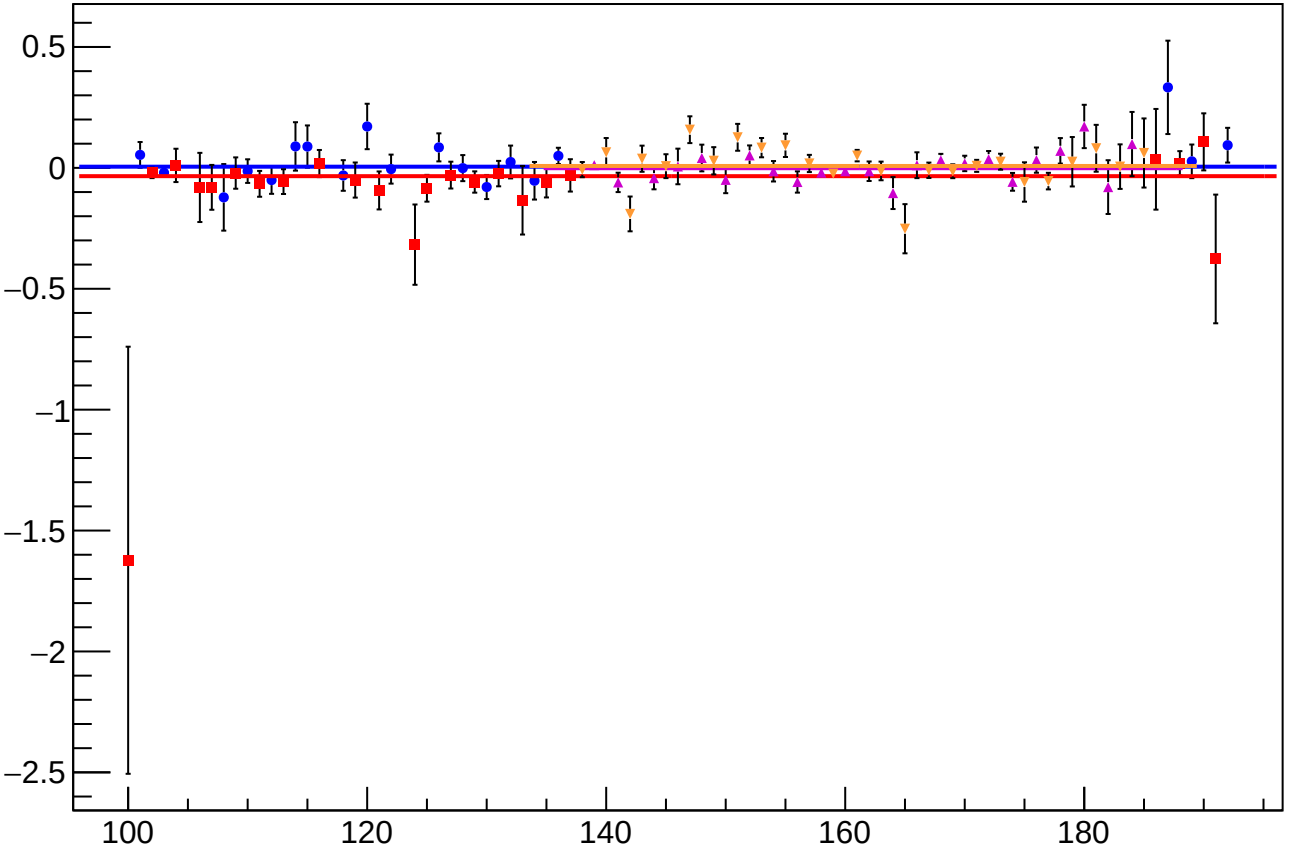
Right: 29.863+/-0.006 χ^2/NDF: 6906329.3/41

In: 24.945+/-0.004 χ^2/NDF:11937872.0/41

Out: 29.021+/-0.005 χ^2/NDF:10378365.0/47

All: 26.802+/-0.003 χ^2/NDF: 22753941.3/89

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: -0.034+/-0.012 χ^2/NDF: 15.5/22

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

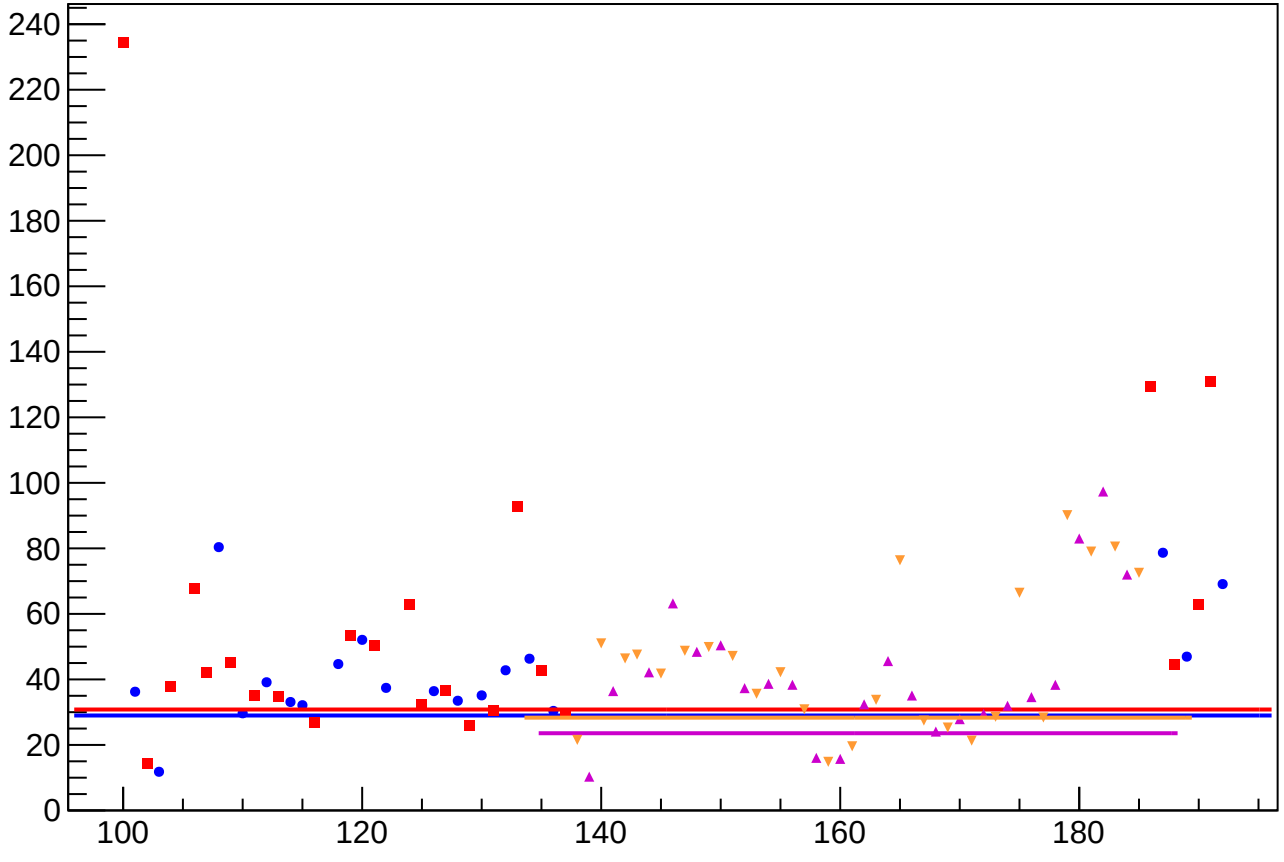
Right: -0.014+/-0.008 χ^2/NDF: 42.1/41

In: 0.000+/-0.006 χ^2/NDF:46.5/41

Out: -0.004+/-0.006 χ^2/NDF:71.8/47

All: -0.002+/-0.004 χ^2/NDF: 118.5/89

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: 30.814+/-0.009 χ^2/NDF: 3529654.3/22

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

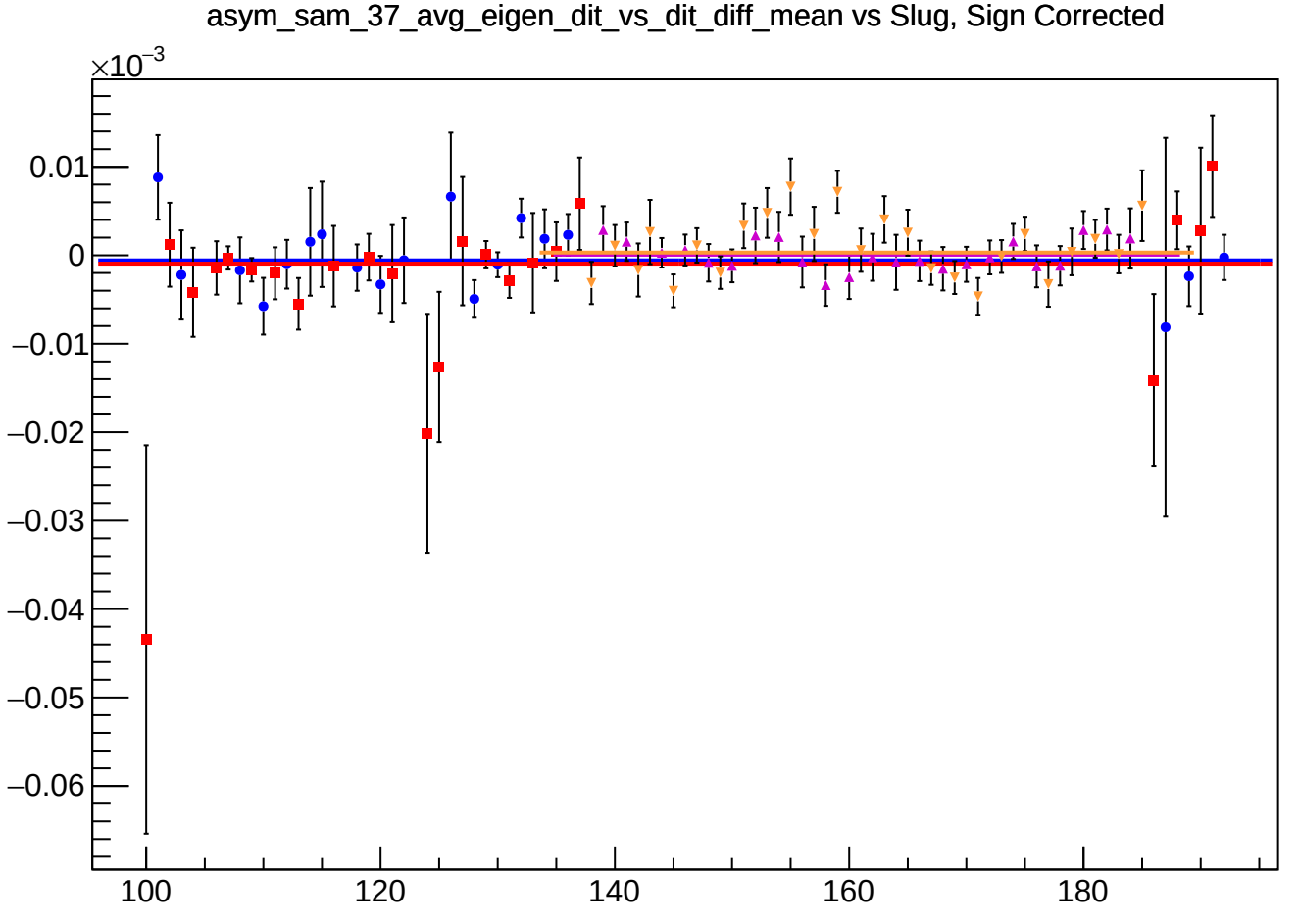
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 29.863+/-0.006 χ^2/NDF: 6906329.3/41

In: 24.945+/-0.004 χ^2/NDF:11937872.0/41

Out: 29.021+/-0.005 χ^2/NDF:10378365.0/47

All: 26.802+/-0.003 χ^2/NDF: 22753941.3/89



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: 22.7/22

Left In: 0.000+/-0.000 χ^2/NDF:12.1/22

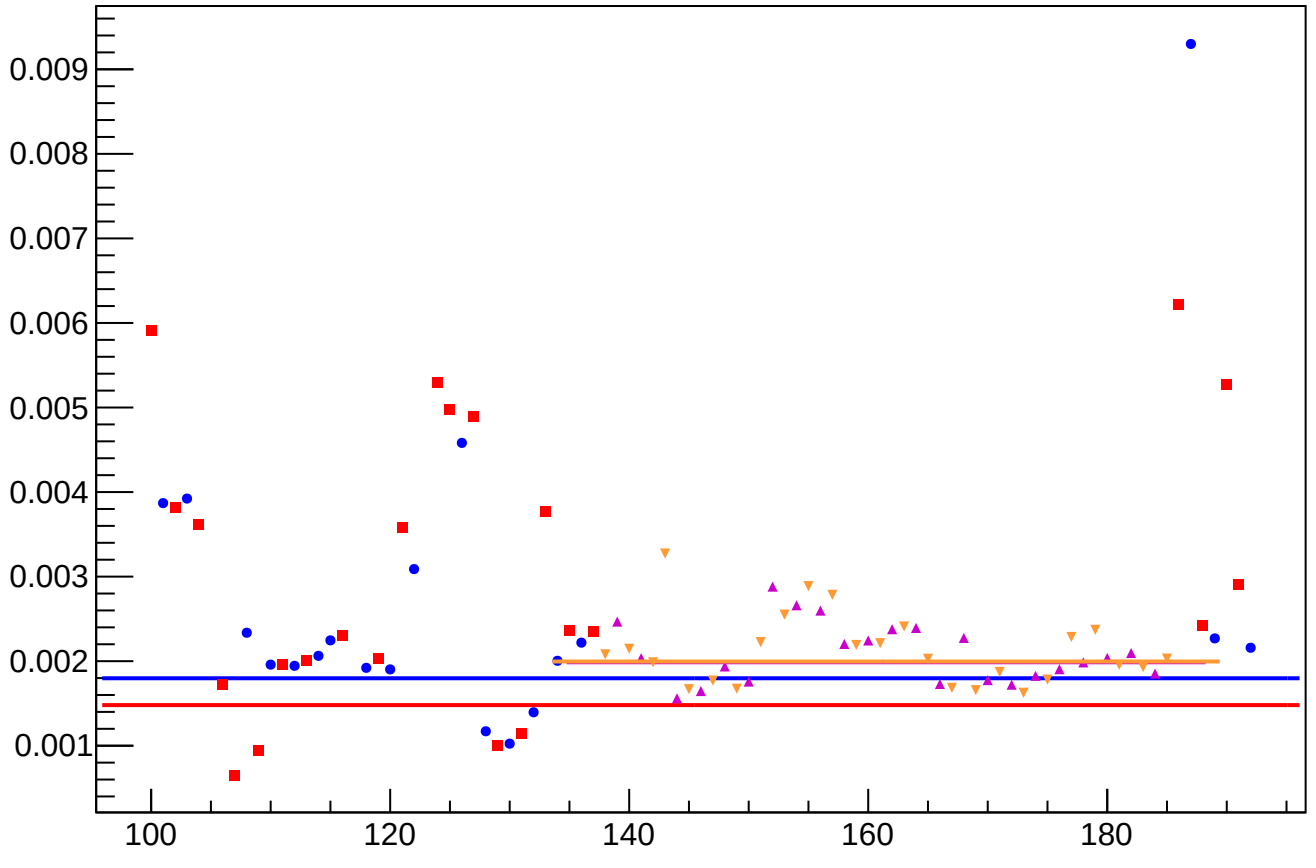
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 43.3/41

In: -0.000+/-0.000 χ^2/NDF:33.1/41

Out: -0.000+/-0.000 χ^2/NDF:71.1/47

All: -0.000+/-0.000 χ^2/NDF: 104.3/89



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: 0.001+/-0.000 χ^2/NDF: 5450795.4/22

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

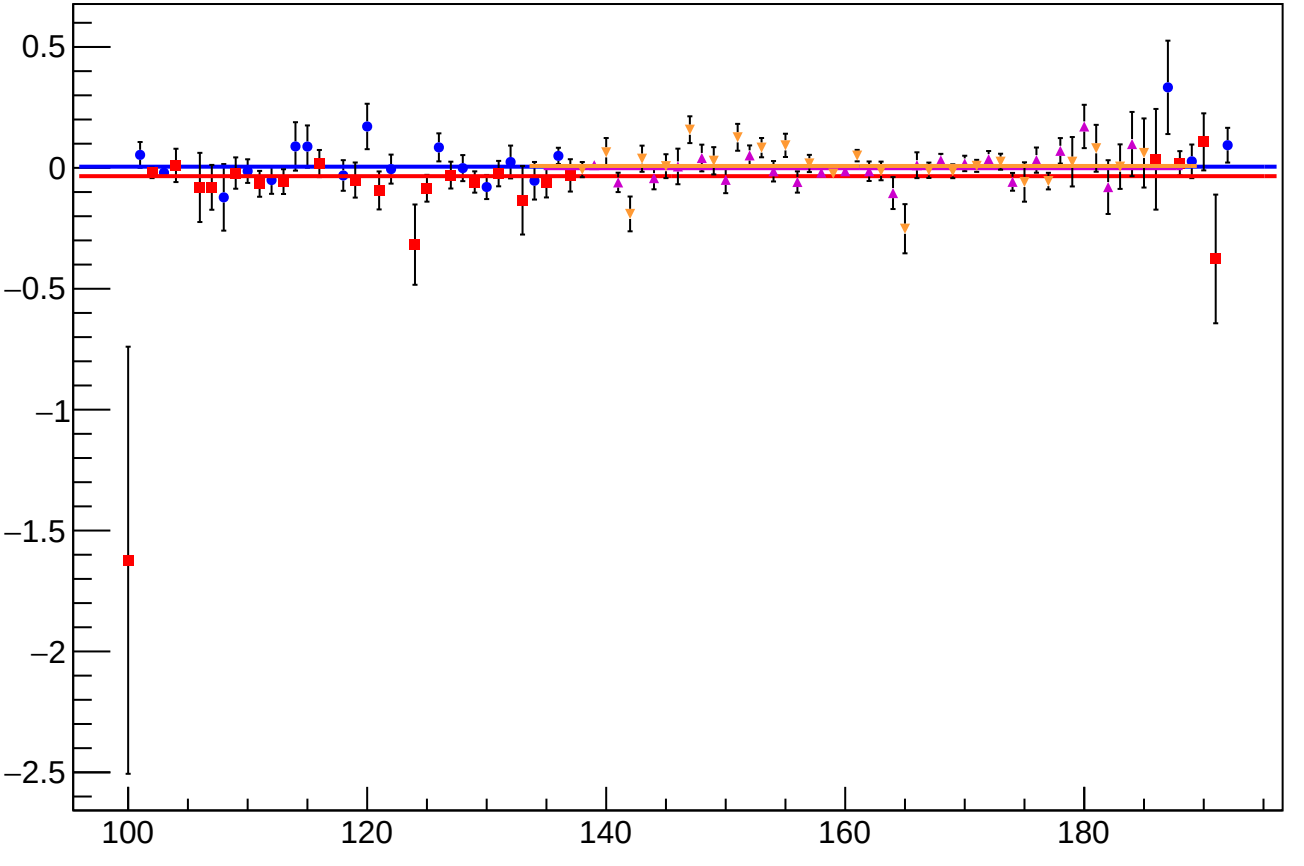
Right: 0.002+/-0.000 χ^2/NDF: 8183508.8/41

In: 0.002+/-0.000 χ^2/NDF:3513805.2/41

Out: 0.002+/-0.000 χ^2/NDF:7558738.8/47

All: 0.002+/-0.000 χ^2/NDF: 11179276.1/89

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: -0.034+/-0.012 χ^2/NDF: 15.5/22

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

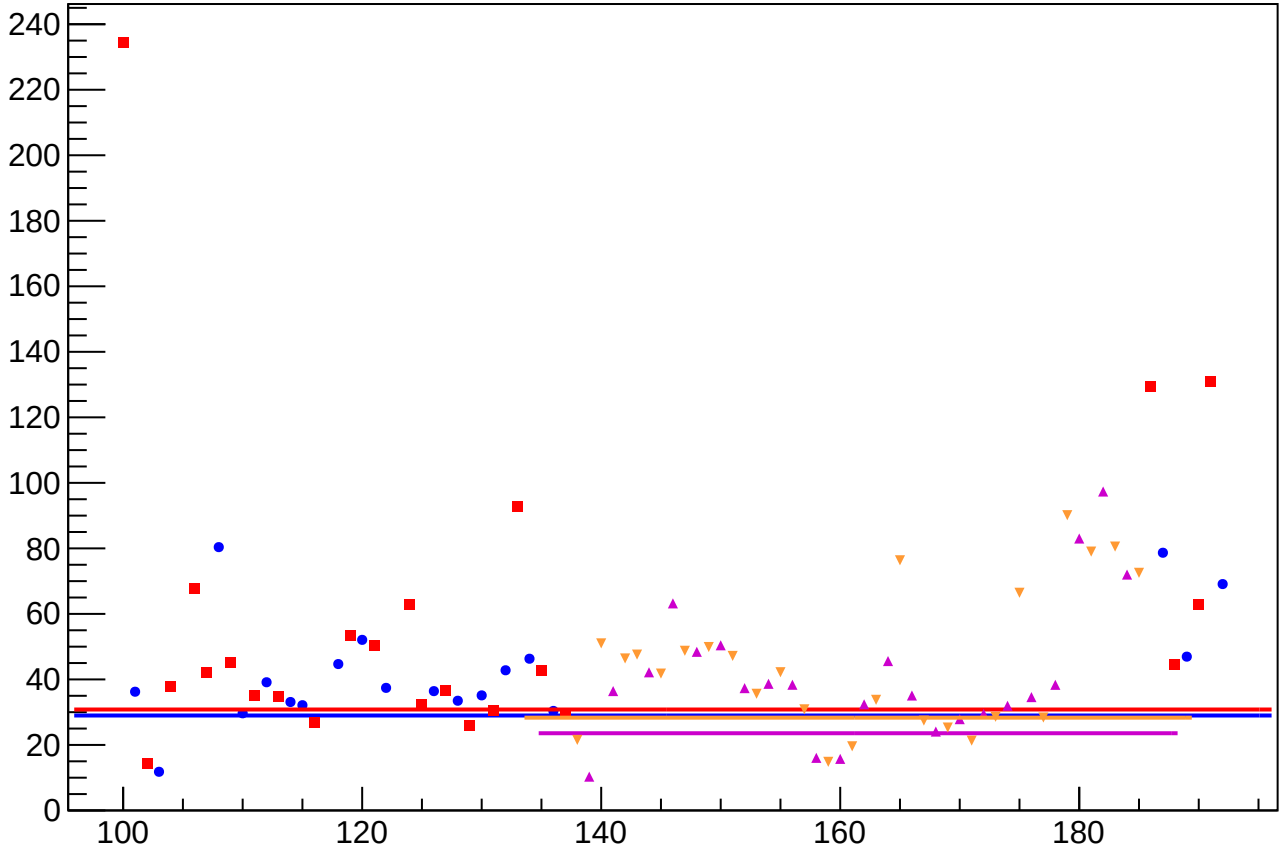
Right: -0.014+/-0.008 χ^2/NDF: 42.1/41

In: 0.000+/-0.006 χ^2/NDF:46.5/41

Out: -0.004+/-0.006 χ^2/NDF:71.8/47

All: -0.002+/-0.004 χ^2/NDF: 118.5/89

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: 30.816+/-0.009 χ^2/NDF: 3528907.4/22

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

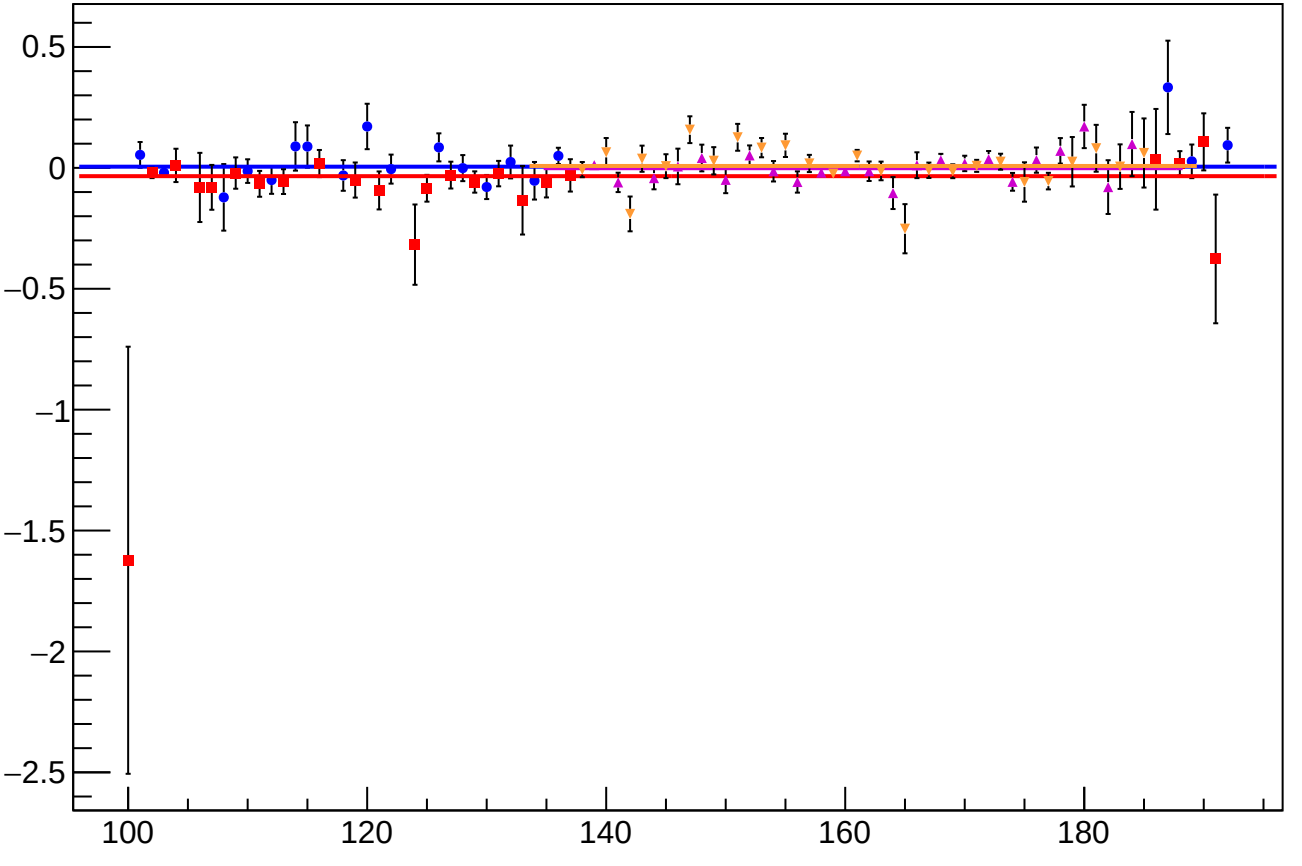
Right: 29.864+/-0.006 χ^2/NDF: 6906050.5/41

In: 24.944+/-0.004 χ^2/NDF:11939366.1/41

Out: 29.022+/-0.005 χ^2/NDF:10378220.8/47

All: 26.801+/-0.003 χ^2/NDF: 22755617.8/89

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.034+/-0.012 χ^2/NDF: 15.5/22

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

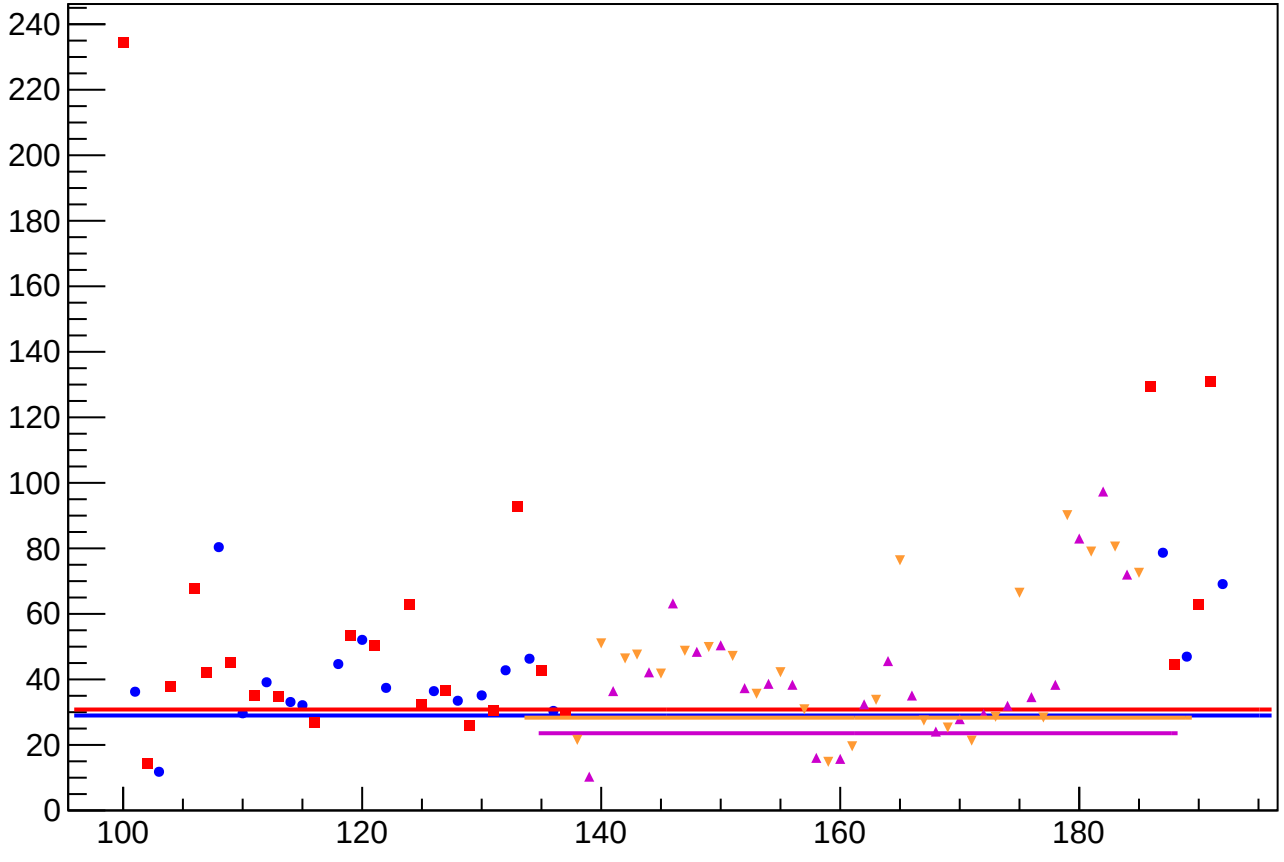
Right: -0.014+/-0.008 χ^2/NDF: 42.1/41

In: 0.000+/-0.006 χ^2/NDF:46.5/41

Out: -0.004+/-0.006 χ^2/NDF:71.8/47

All: -0.002+/-0.004 χ^2/NDF: 118.5/89

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: 30.816+/-0.009 χ^2/NDF: 3528907.4/22

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

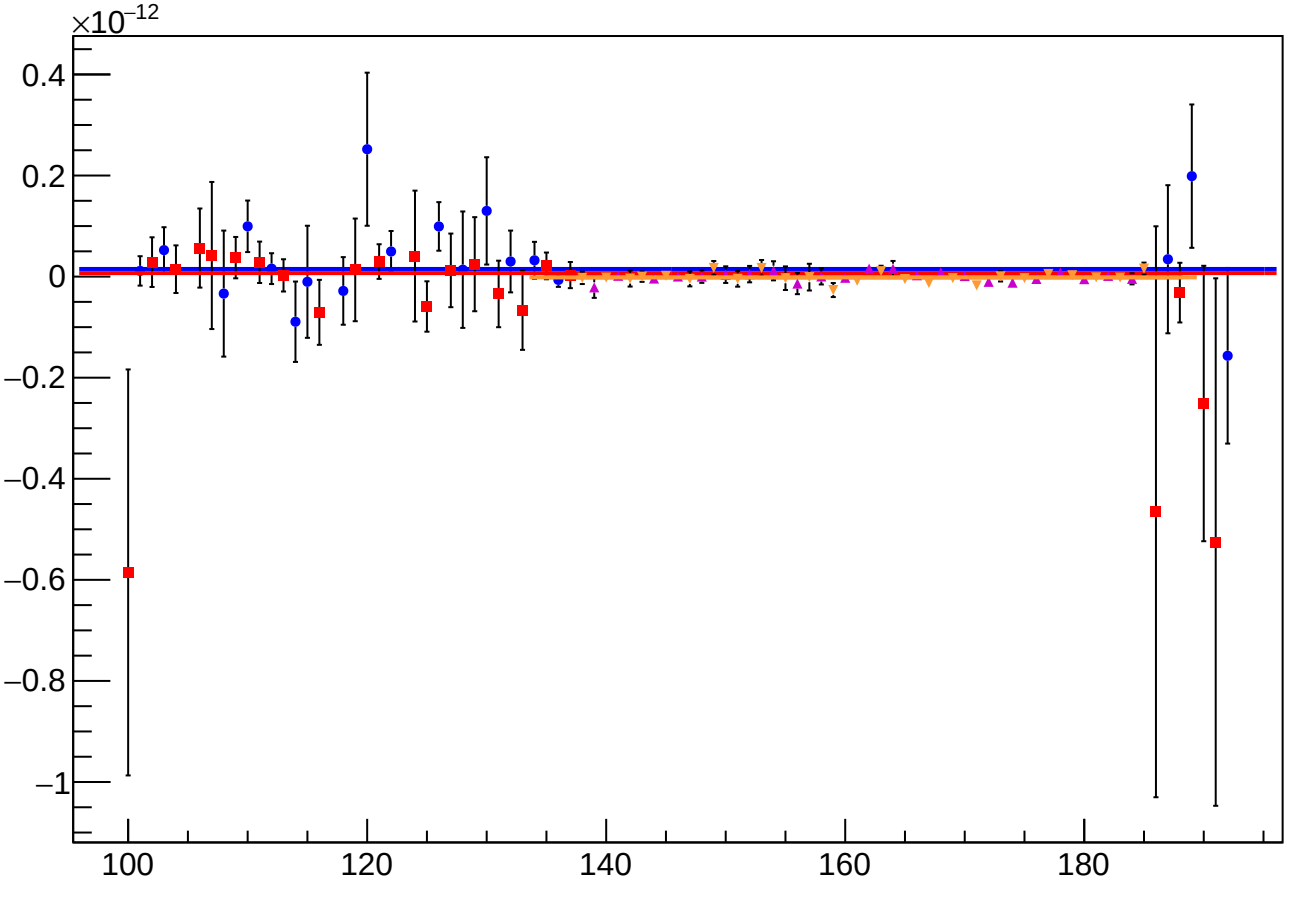
Right: 29.864+/-0.006 χ^2/NDF: 6906050.5/41

In: 24.944+/-0.004 χ^2/NDF:11939366.1/41

Out: 29.022+/-0.005 χ^2/NDF:10378220.8/47

All: 26.801+/-0.003 χ^2/NDF: 22755617.8/89

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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: 12.1/22

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

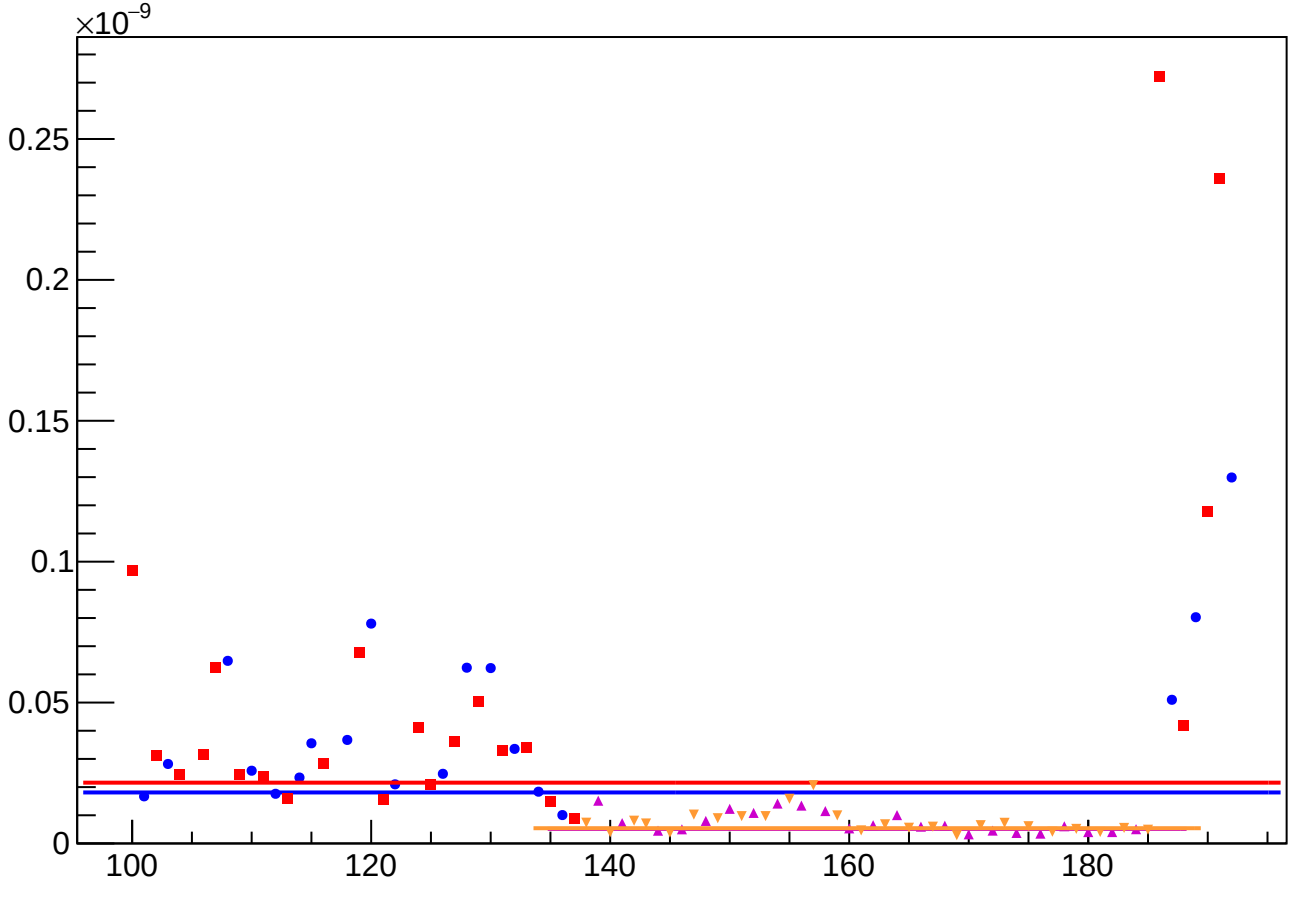
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 31.1/41

In: -0.000+/-0.000 χ^2/NDF:37.5/41

Out: -0.000+/-0.000 χ^2/NDF:30.3/47

All: -0.000+/-0.000 χ^2/NDF: 67.8/89



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: 3158680.9/22

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

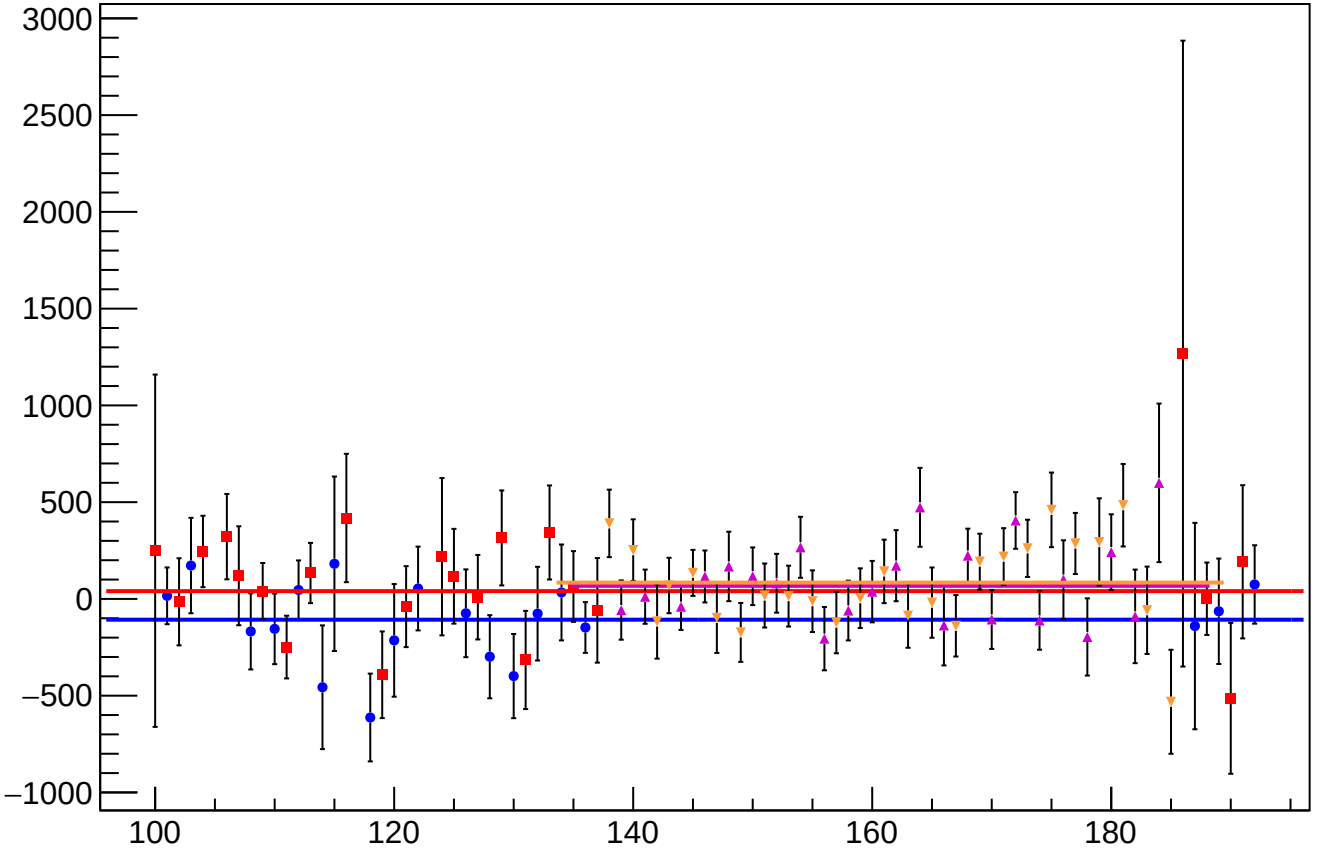
Right: 0.000+/-0.000 χ^2/NDF: 7045959.0/41

In: 0.000+/-0.000 χ^2/NDF:10823008.6/41

Out: 0.000+/-0.000 χ^2/NDF:10720838.7/47

All: 0.000+/-0.000 χ^2/NDF: 21564808.2/89

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: 40.165+/-47.494 χ^2/NDF: 19.8/22

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

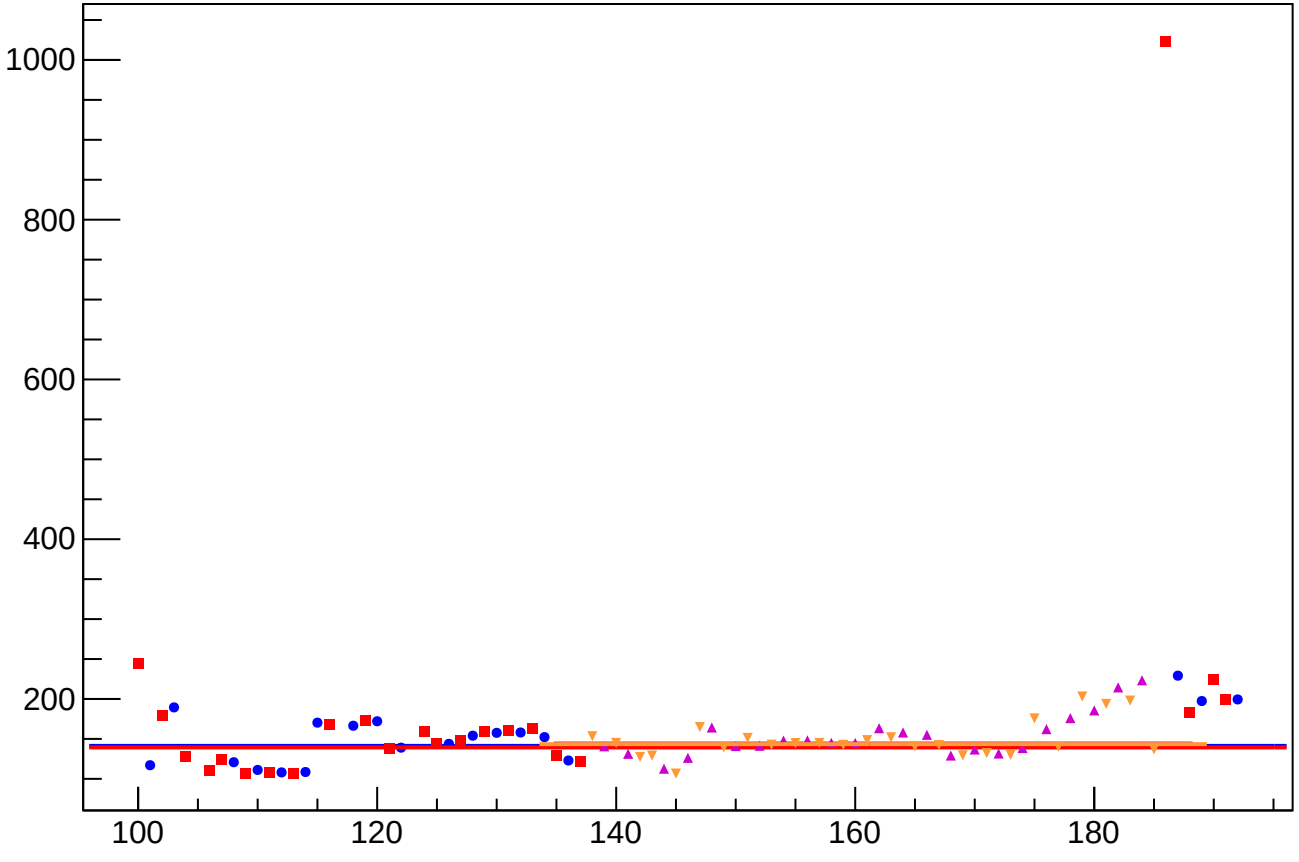
Right: -31.968+/-33.950 χ^2/NDF: 38.8/41

In: 9.752+/-27.925 χ^2/NDF:49.5/41

Out: 69.925+/-27.120 χ^2/NDF:54.2/47

All: 40.718+/-19.455 χ^2/NDF: 106.1/89

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: 139.314+/-0.034 χ^2/NDF: 1374519.1/22

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

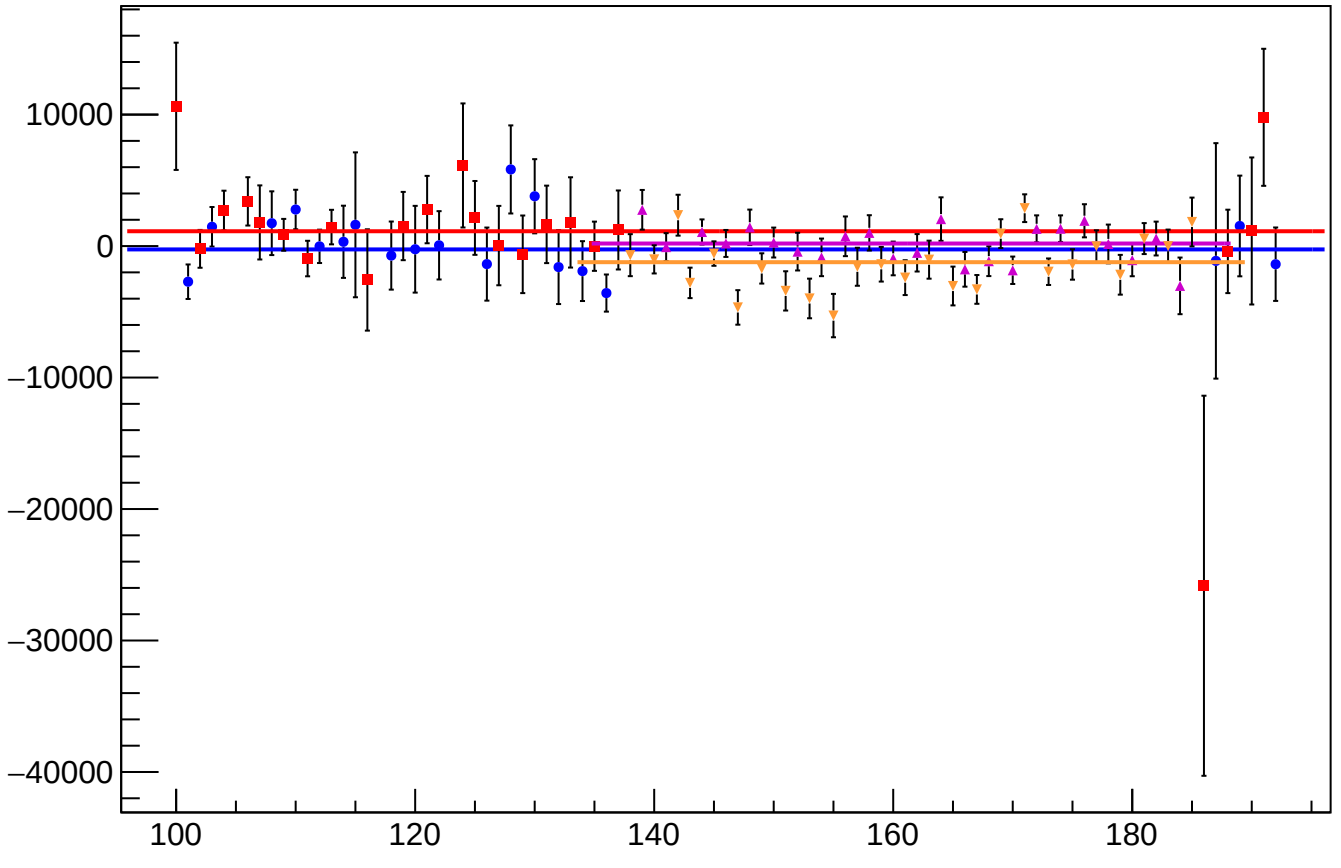
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 140.264+/-0.024 χ^2/NDF: 2129363.1/41

In: 143.206+/-0.020 χ^2/NDF:1460745.0/41

Out: 142.097+/-0.019 χ^2/NDF:2131748.1/47

All: 142.636+/-0.014 χ^2/NDF: 3594117.0/89



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: 1127.821+/-459.758 χ^2/NDF: 19.9/22

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

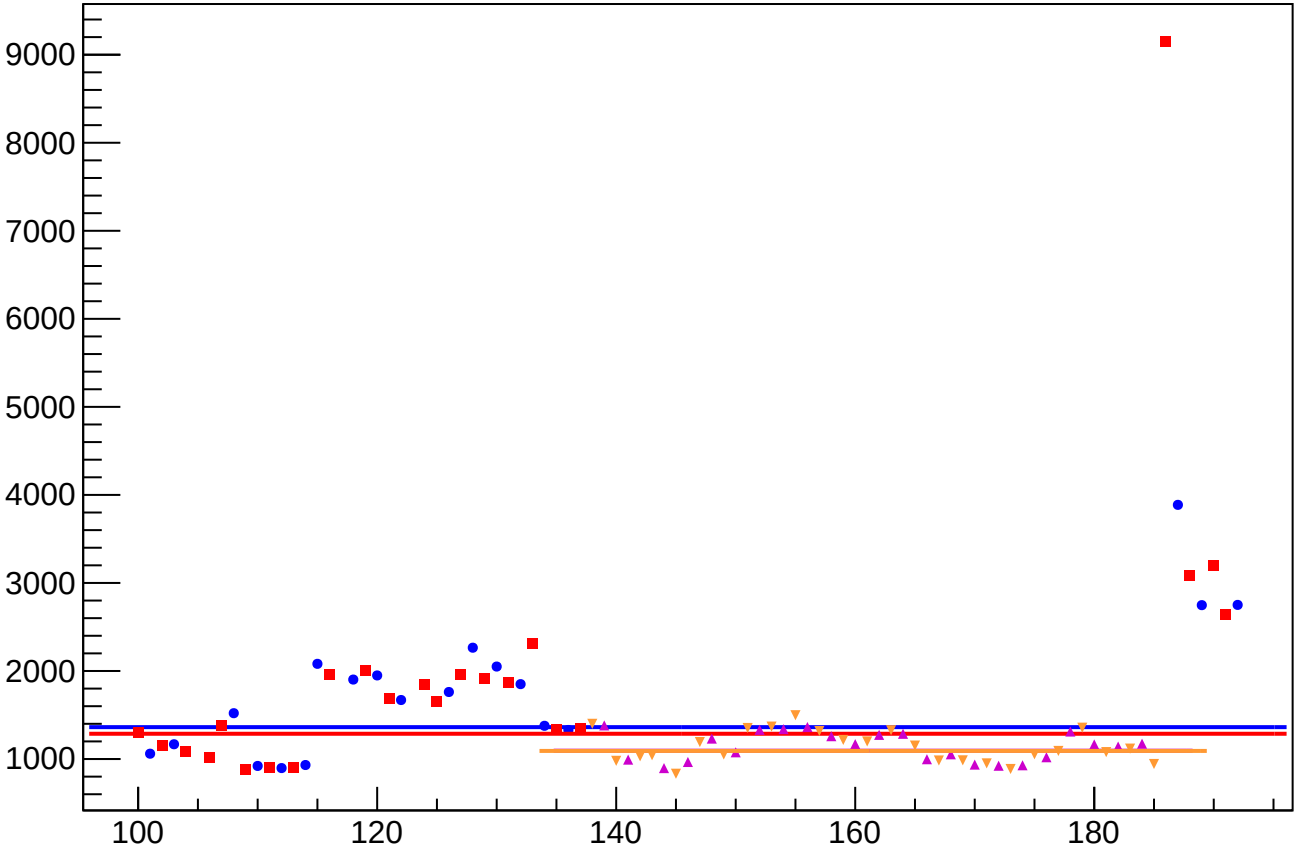
Right: 478.749+/-334.876 χ^2/NDF: 46.1/41

In: 95.506+/-228.798 χ^2/NDF:45.9/41

Out: -682.253+/-220.825 χ^2/NDF:99.3/47

All: -307.160+/-158.891 χ^2/NDF: 151.2/89

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: 1286.919+/-0.325 χ^2/NDF: 3032288.9/22

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

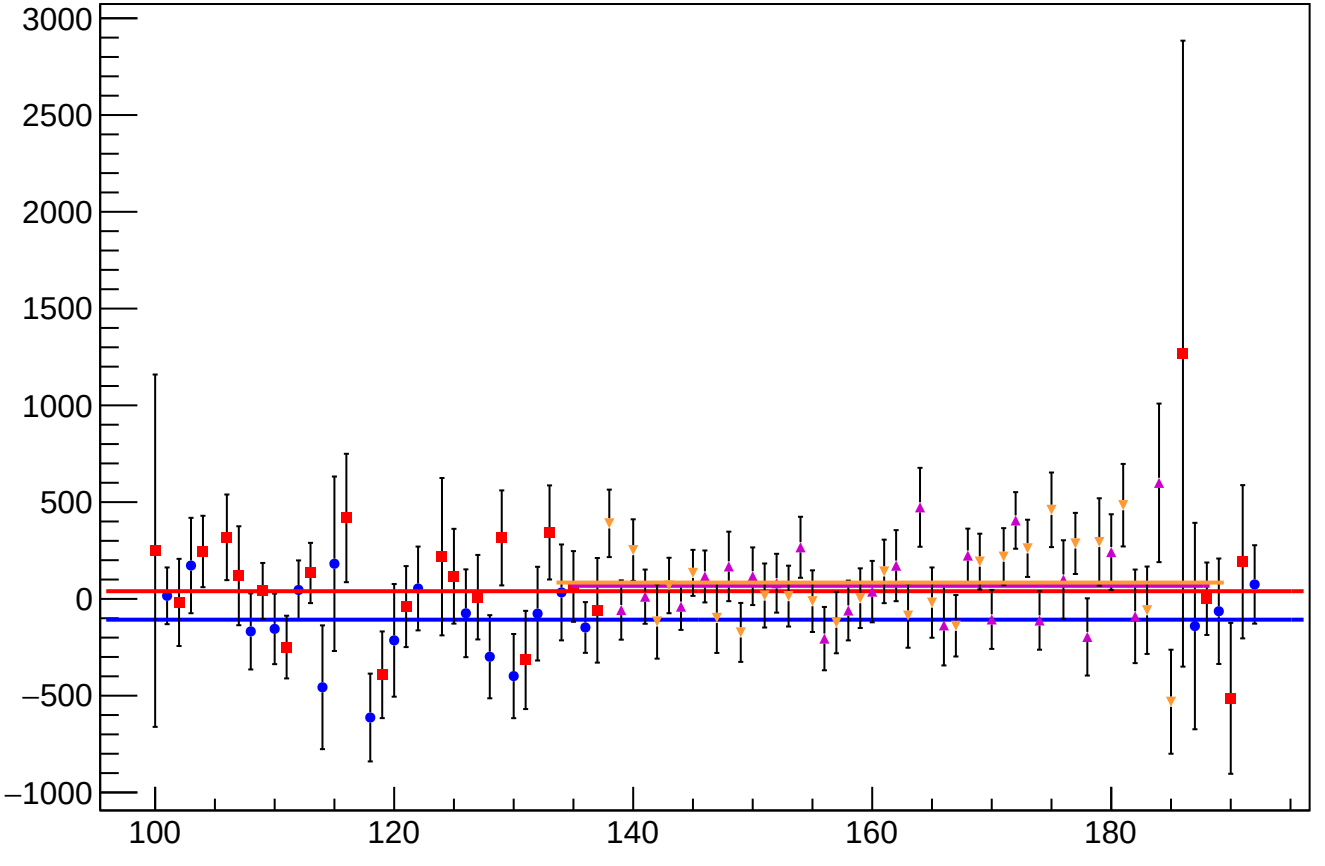
Right: 1322.220+/-0.237 χ^2/NDF: 5189740.6/41

In: 1153.131+/-0.162 χ^2/NDF:3333606.4/41

Out: 1136.951+/-0.156 χ^2/NDF:4201341.8/47

All: 1144.754+/-0.112 χ^2/NDF: 7540126.3/89

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: 39.767+/-47.501 χ^2/NDF: 19.8/22

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

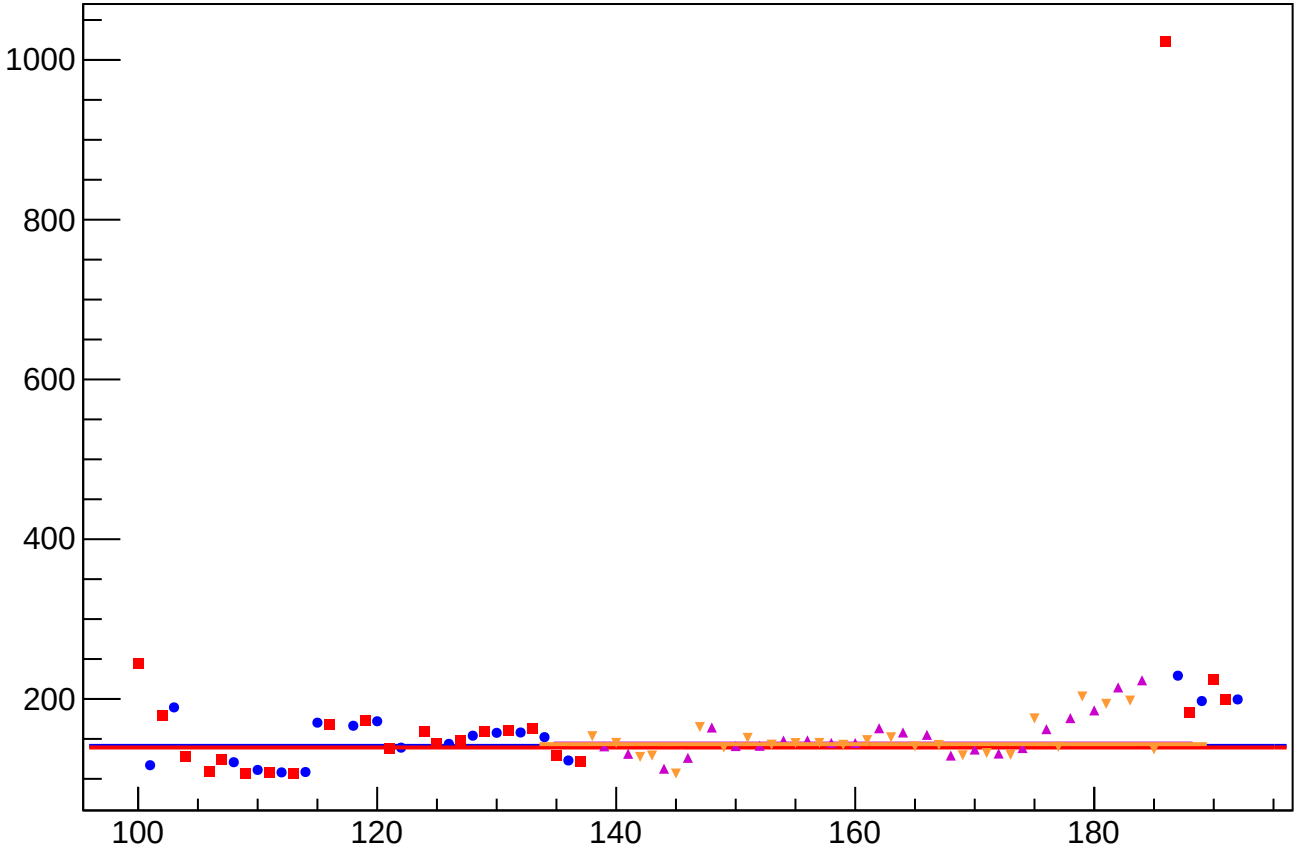
Right: -32.188+/-33.953 χ^2/NDF: 38.8/41

In: 9.751+/-27.925 χ^2/NDF:49.5/41

Out: 69.808+/-27.121 χ^2/NDF:54.2/47

All: 40.656+/-19.455 χ^2/NDF: 106.1/89

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



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: 139.251+/-0.034 χ^2/NDF: 1378373.2/22

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

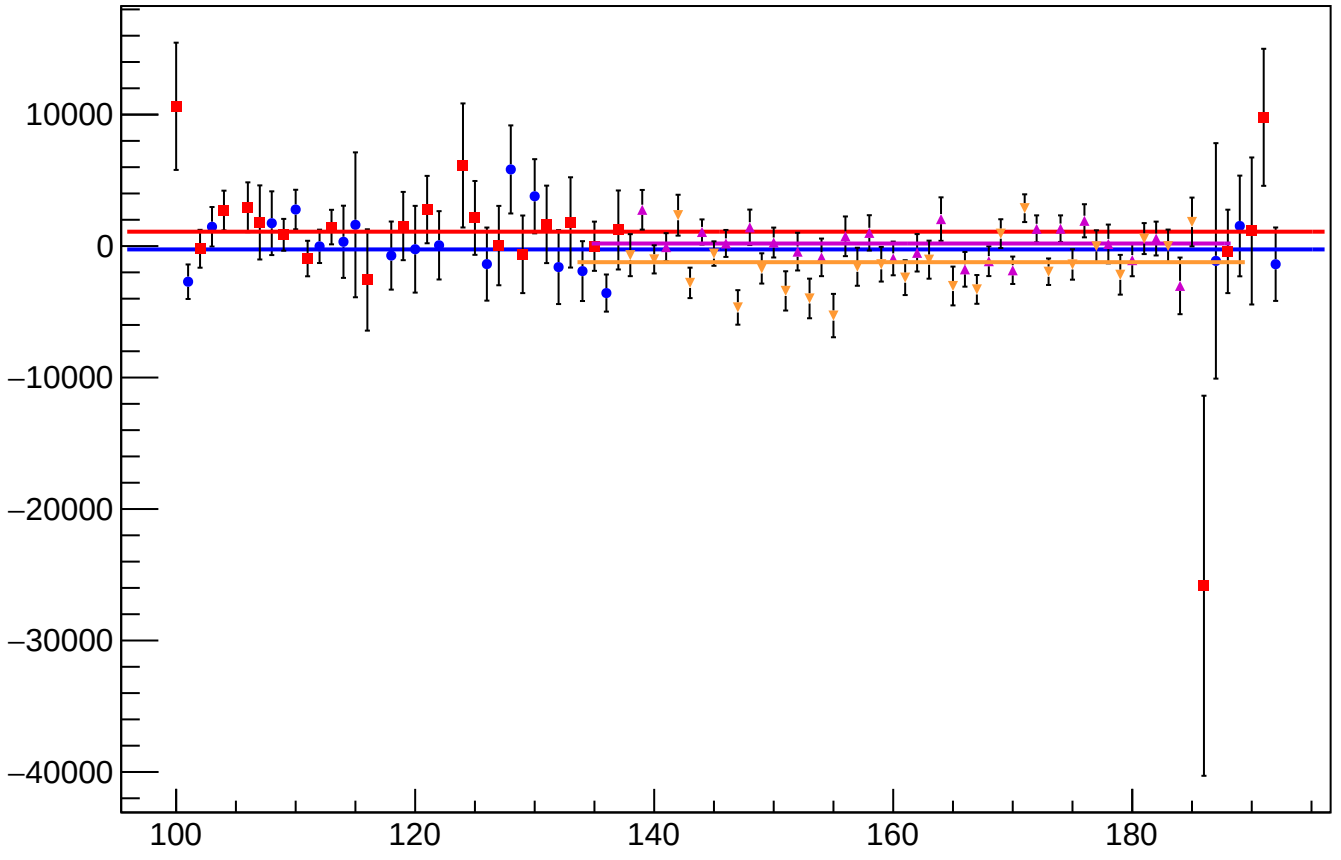
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 140.232+/-0.024 χ^2/NDF: 2133328.3/41

In: 143.206+/-0.020 χ^2/NDF:1460747.7/41

Out: 142.077+/-0.019 χ^2/NDF:2135915.4/47

All: 142.625+/-0.014 χ^2/NDF: 3598347.2/89



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: 1093.822+/-460.631 χ^2/NDF: 19.3/22

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

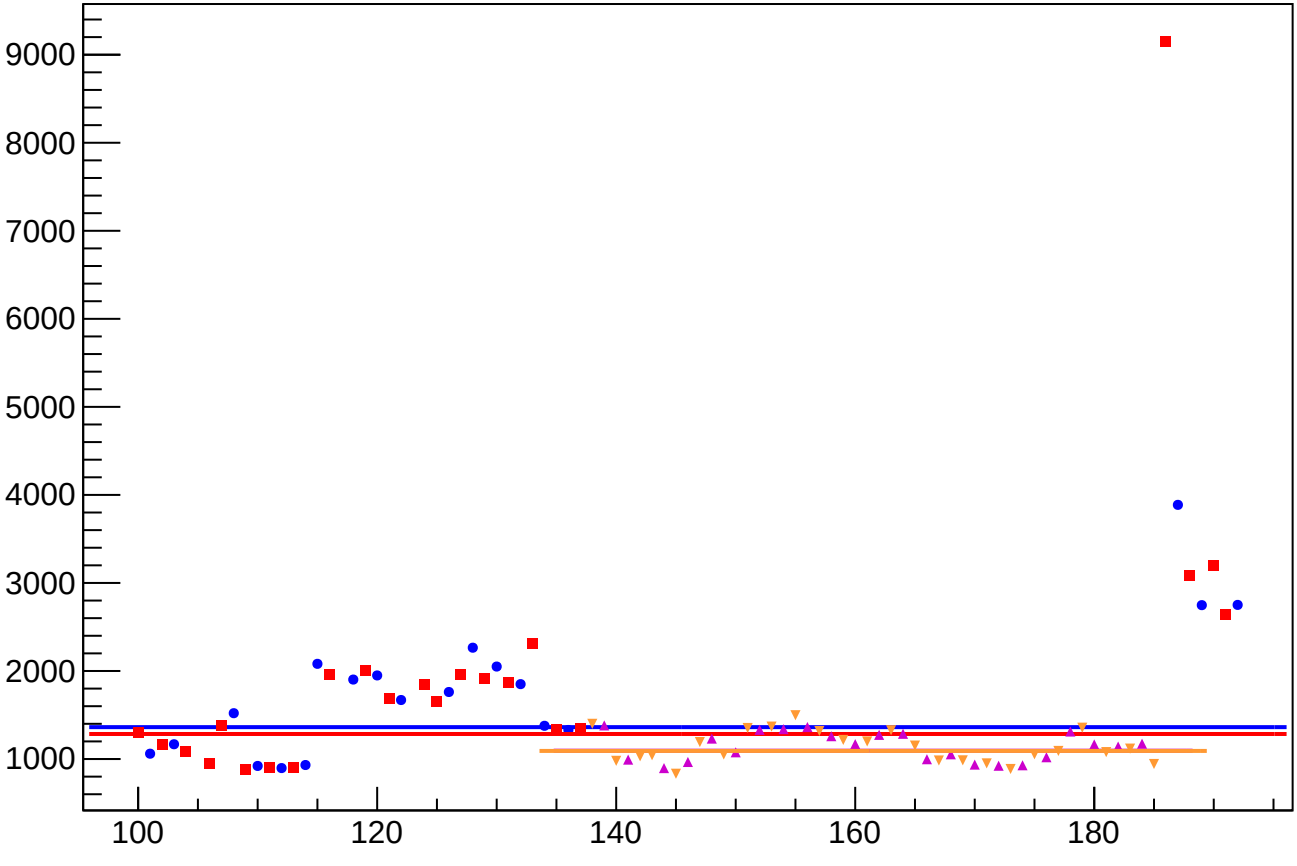
Right: 459.412+/-335.215 χ^2/NDF: 45.3/41

In: 95.495+/-228.798 χ^2/NDF:45.9/41

Out: -691.644+/-220.922 χ^2/NDF:98.0/47

All: -311.856+/-158.927 χ^2/NDF: 150.1/89

asym_sam_48_avg_cor_correction_rms vs Slug, Sign Corrected



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: 1284.339+/-0.326 χ^2/NDF: 3050322.2/22

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

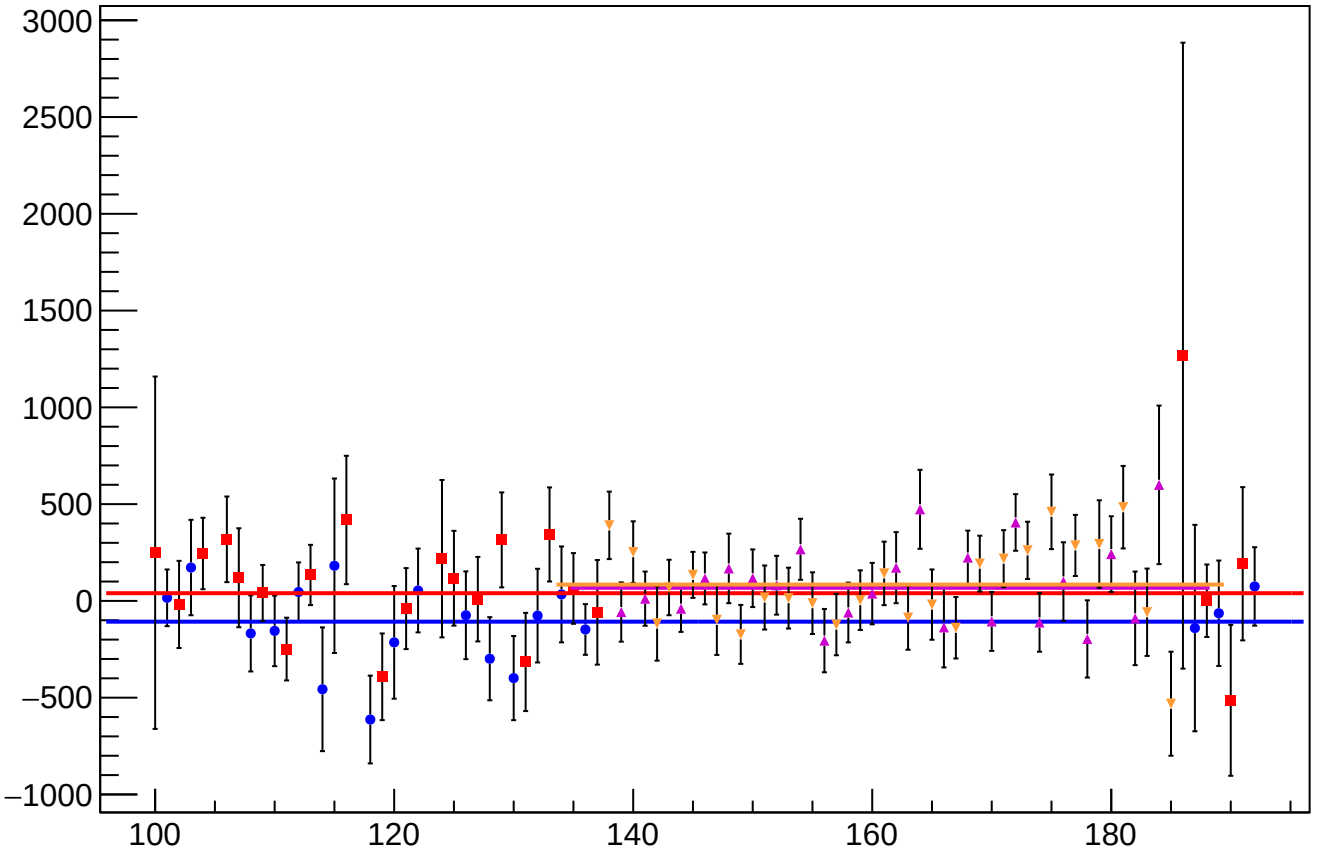
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1320.931+/-0.237 χ^2/NDF: 5209447.1/41

In: 1153.133+/-0.162 χ^2/NDF:3333607.7/41

Out: 1136.226+/-0.156 χ^2/NDF:4211315.1/47

All: 1144.384+/-0.112 χ^2/NDF: 7550574.4/89



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: 39.767+/-47.501 χ^2/NDF: 19.8/22

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

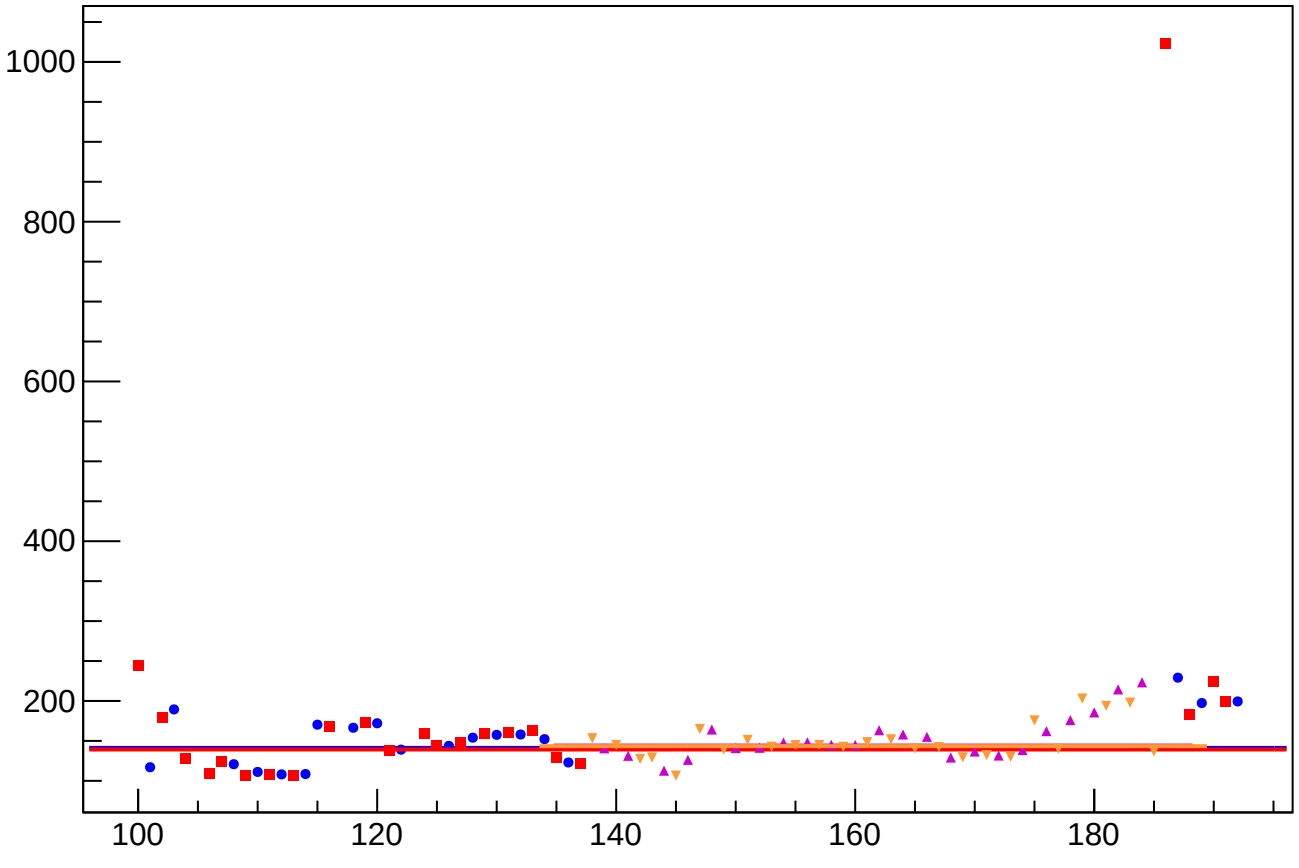
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -32.188+/-33.953 χ^2/NDF: 38.8/41

In: 9.751+/-27.925 χ^2/NDF:49.5/41

Out: 69.808+/-27.121 χ^2/NDF:54.2/47

All: 40.656+/-19.455 χ^2/NDF: 106.1/89



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: 139.251+/-0.034 χ^2/NDF: 1378373.2/22

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

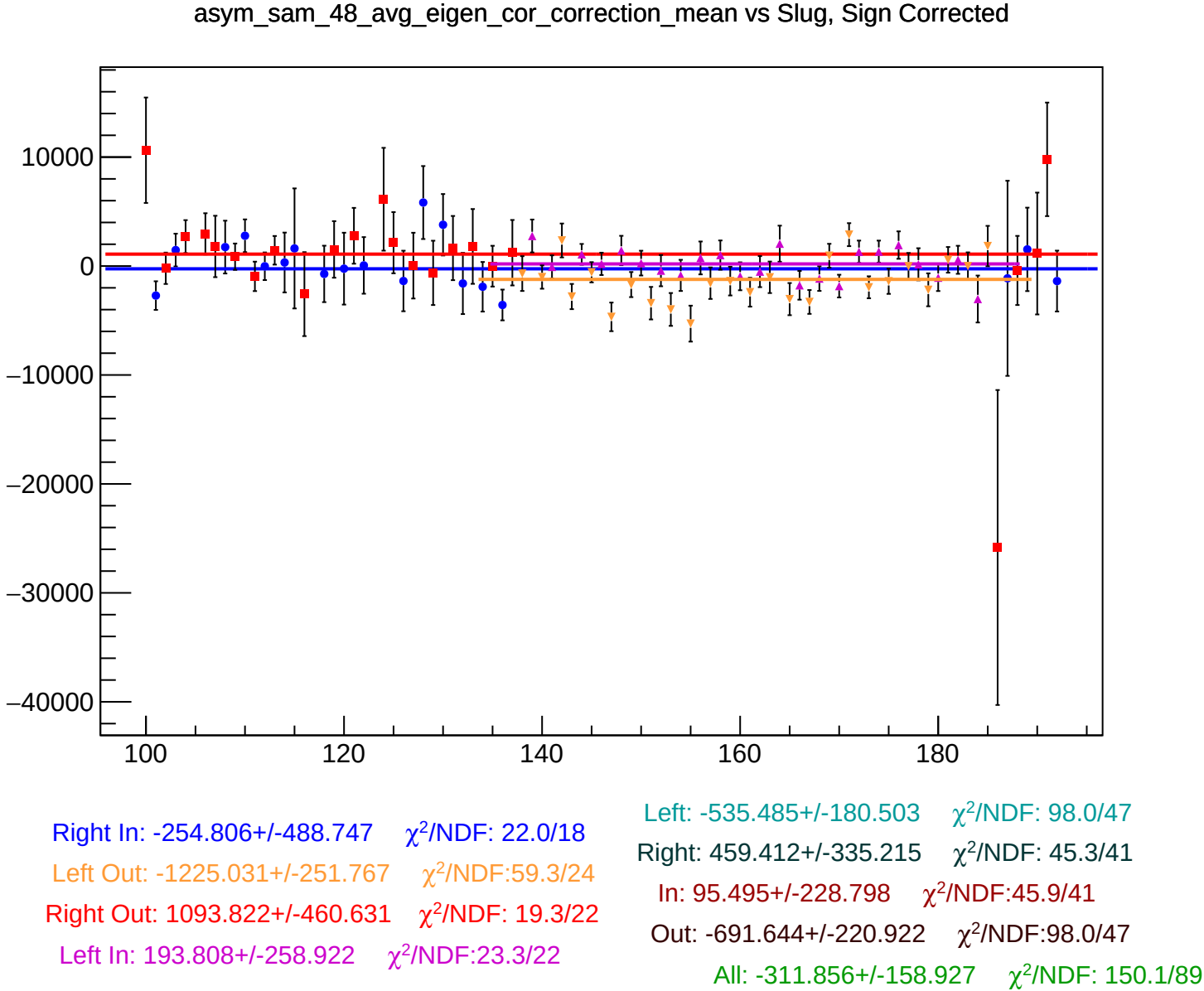
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

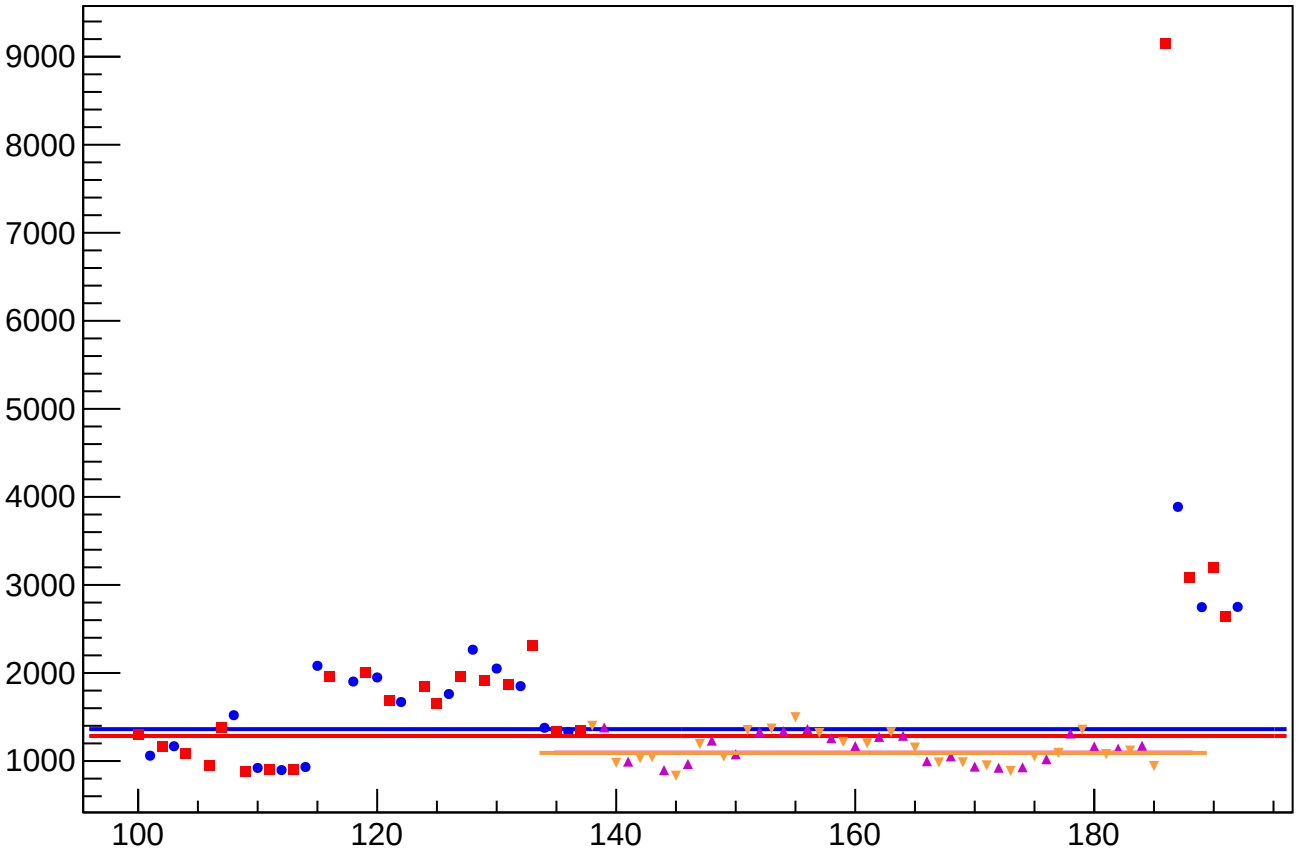
Right: 140.232+/-0.024 χ^2/NDF: 2133328.3/41

In: 143.206+/-0.020 χ^2/NDF:1460747.7/41

Out: 142.077+/-0.019 χ^2/NDF:2135915.4/47

All: 142.625+/-0.014 χ^2/NDF: 3598347.2/89


asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -254.806+/-488.747 χ²/NDF: 22.0/18
Left Out: -1225.031+/-251.767 χ²/NDF:59.3/24
Right Out: 1093.822+/-460.631 χ²/NDF: 19.3/22
Left In: 193.808+/-258.922 χ²/NDF:23.3/22
Left: -535.485+/-180.503 χ²/NDF: 98.0/47
Right: 459.412+/-335.215 χ²/NDF: 45.3/41
In: 95.495+/-228.798 χ²/NDF:45.9/41
Out: -691.644+/-220.922 χ²/NDF:98.0/47
All: -311.856+/-158.927 χ²/NDF: 150.1/89



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: 1284.339+/-0.326 χ^2/NDF: 3050322.2/22

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

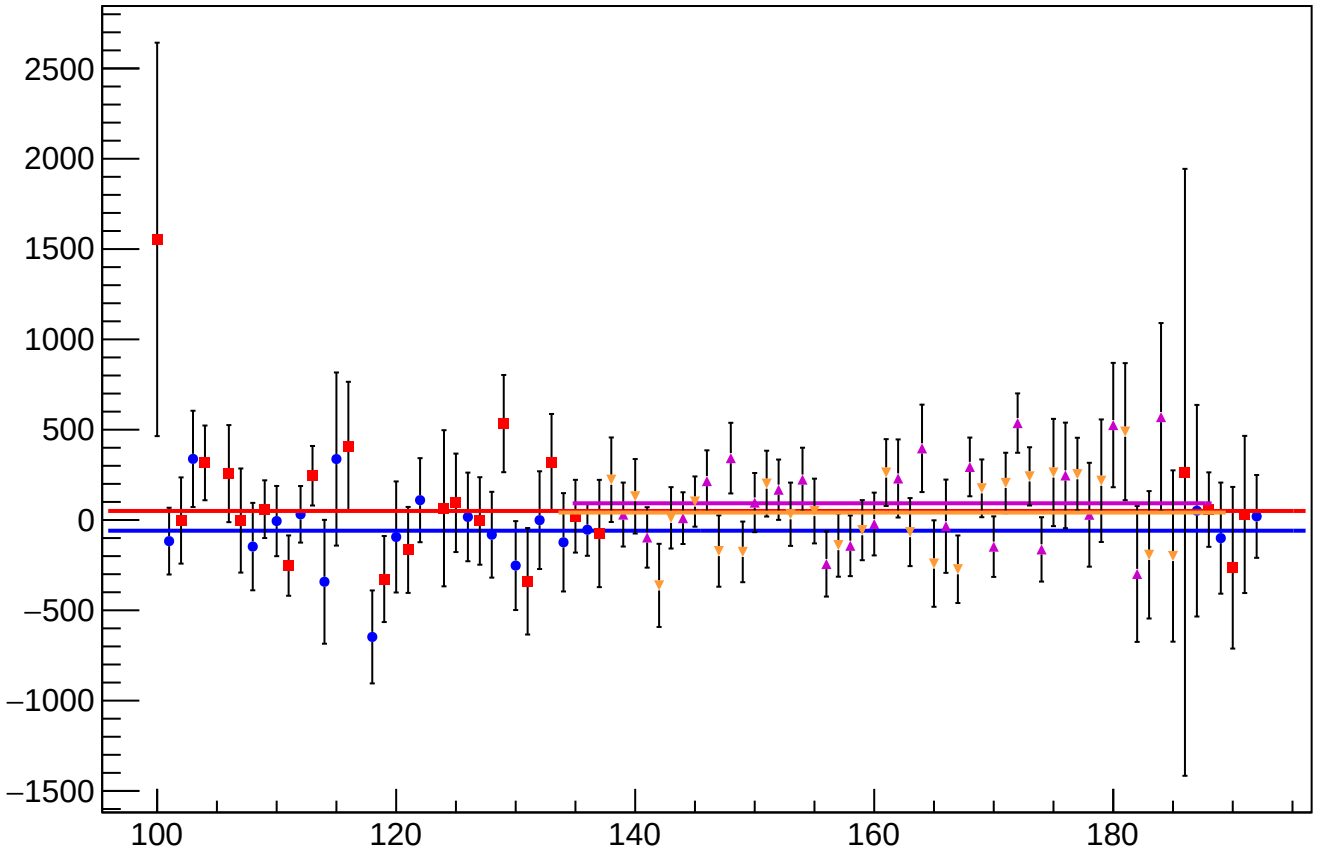
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1320.931+/-0.237 χ^2/NDF: 5209447.1/41

In: 1153.133+/-0.162 χ^2/NDF:3333607.7/41

Out: 1136.226+/-0.156 χ^2/NDF:4211315.1/47

All: 1144.384+/-0.112 χ^2/NDF: 7550574.4/89



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: 50.051+/-52.139 χ^2/NDF: 20.0/22

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

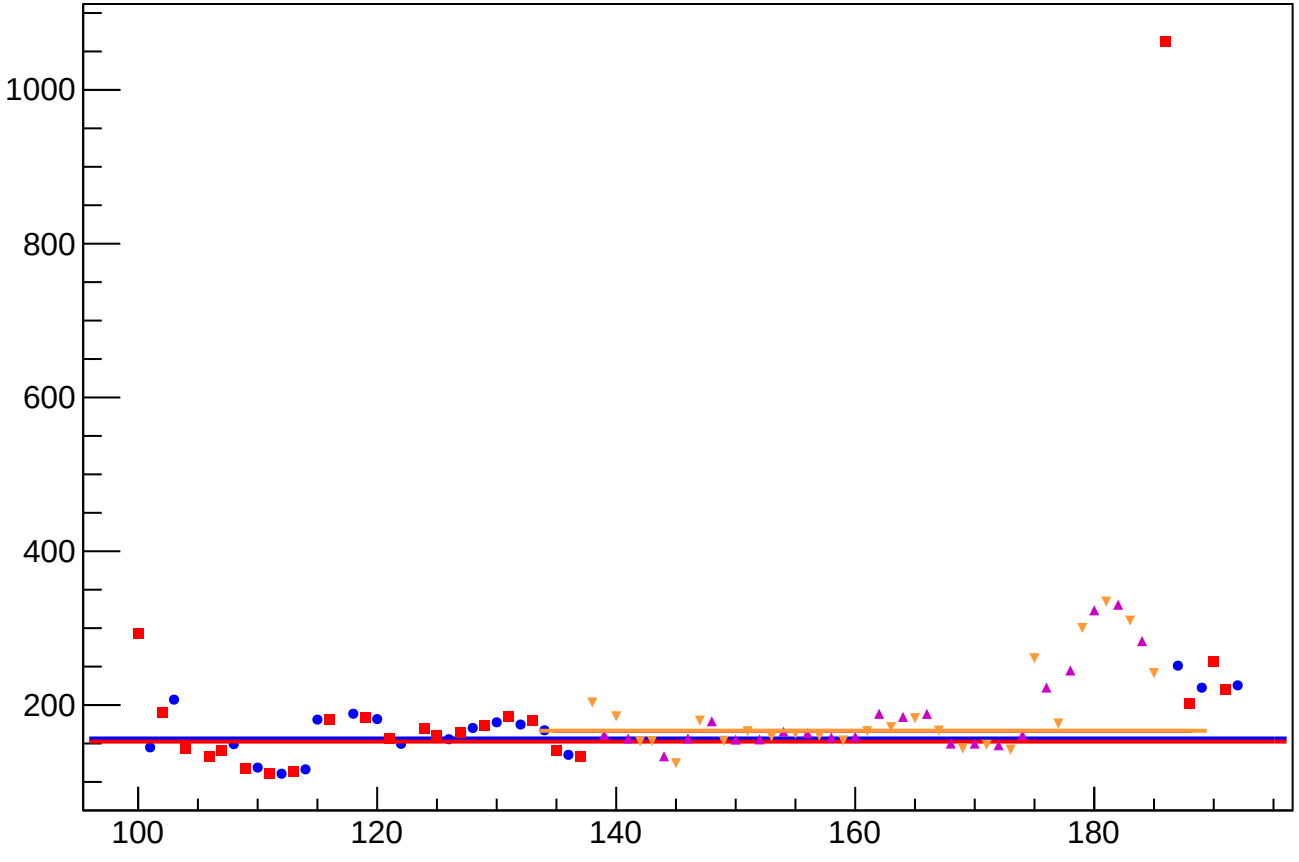
Right: -2.724+/-37.502 χ^2/NDF: 33.1/41

In: 38.445+/-32.224 χ^2/NDF:45.6/41

Out: 44.321+/-31.321 χ^2/NDF:42.4/47

All: 41.467+/-22.460 χ^2/NDF: 88.0/89

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



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: 152.438+/-0.037 χ^2/NDF: 1414312.3/22

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

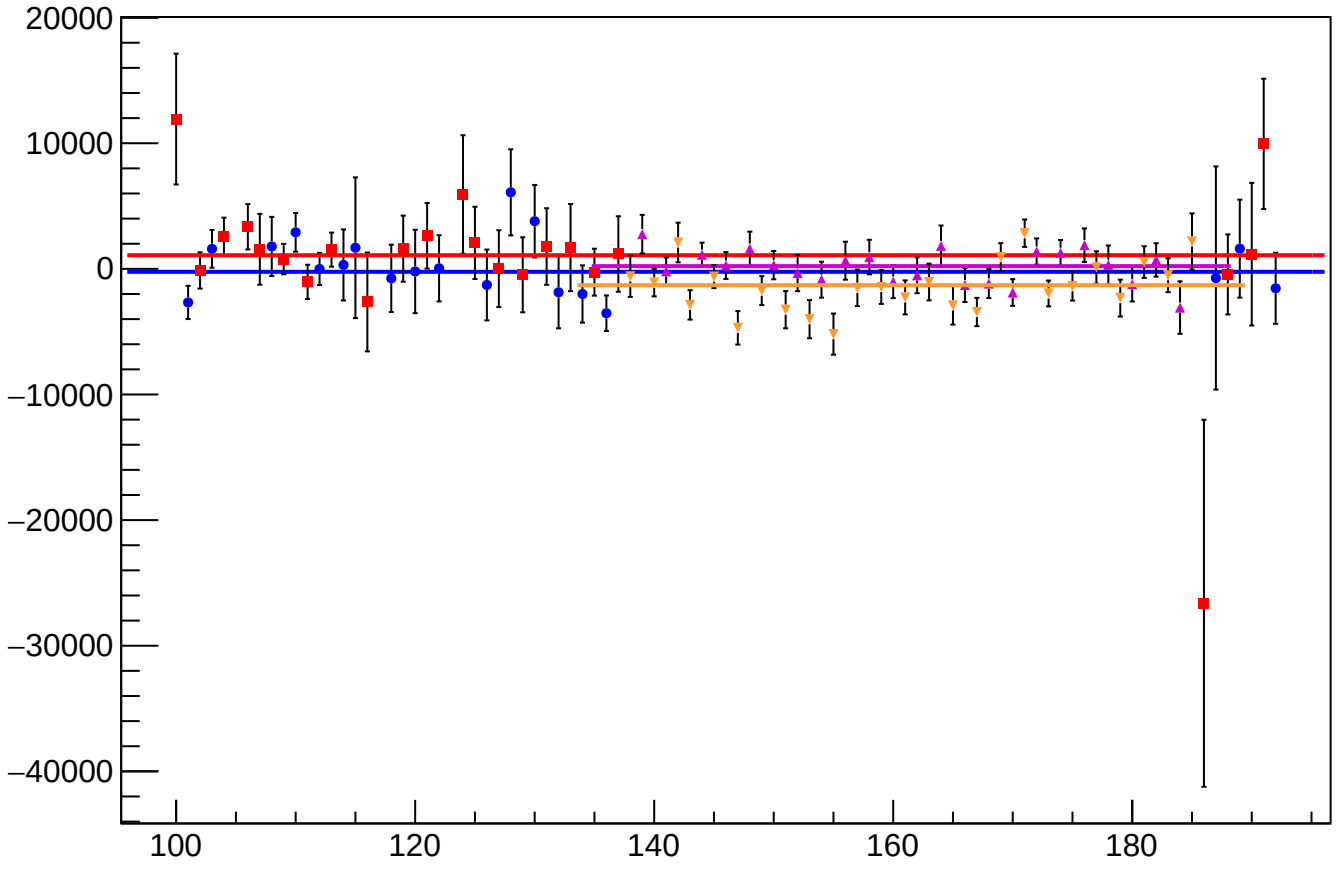
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 154.396+/-0.027 χ^2/NDF: 2230986.6/41

In: 162.811+/-0.023 χ^2/NDF:2245838.3/41

Out: 161.489+/-0.022 χ^2/NDF:3228434.0/47

All: 162.131+/-0.016 χ^2/NDF: 5476004.5/89



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: 1085.920+/-464.005 χ^2/NDF: 20.4/22

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

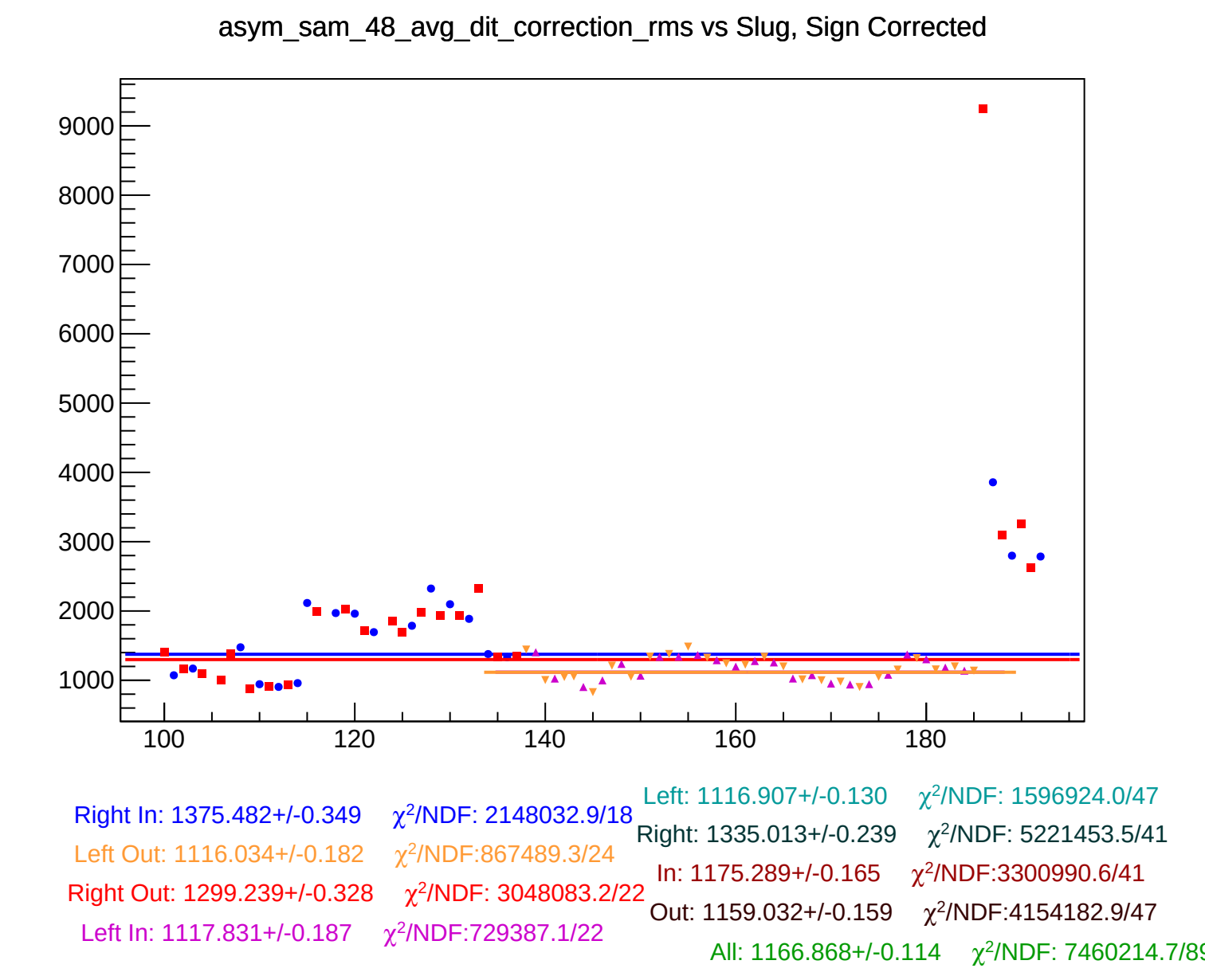
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

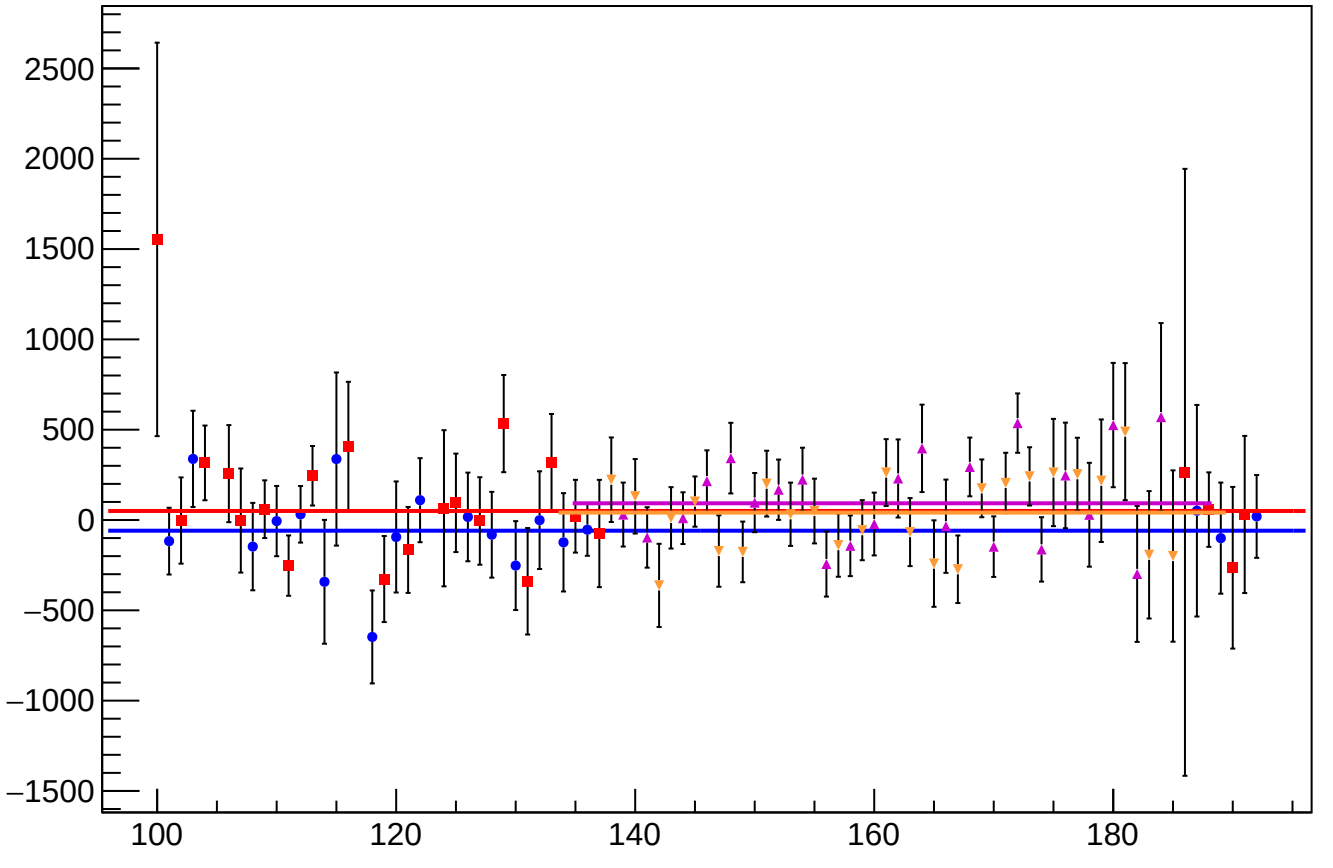
Right: 466.665+/-338.049 χ^2/NDF: 46.5/41

In: 116.682+/-233.051 χ^2/NDF:45.2/41

Out: -738.740+/-224.793 χ^2/NDF:95.7/47

All: -326.453+/-161.793 χ^2/NDF: 147.8/89


asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
Right In: 1375.482+/-0.349 χ²/NDF: 2148032.9/18
Left Out: 1116.034+/-0.182 χ²/NDF:867489.3/24
Right Out: 1299.239+/-0.328 χ²/NDF: 3048083.2/22
Left In: 1117.831+/-0.187 χ²/NDF:729387.1/22
Left: 1116.907+/-0.130 χ²/NDF: 1596924.0/47
Right: 1335.013+/-0.239 χ²/NDF: 5221453.5/41
In: 1175.289+/-0.165 χ²/NDF:3300990.6/41
Out: 1159.032+/-0.159 χ²/NDF:4154182.9/47
All: 1166.868+/-0.114 χ²/NDF: 7460214.7/89



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: 50.051+/-52.139 χ^2/NDF: 20.0/22

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

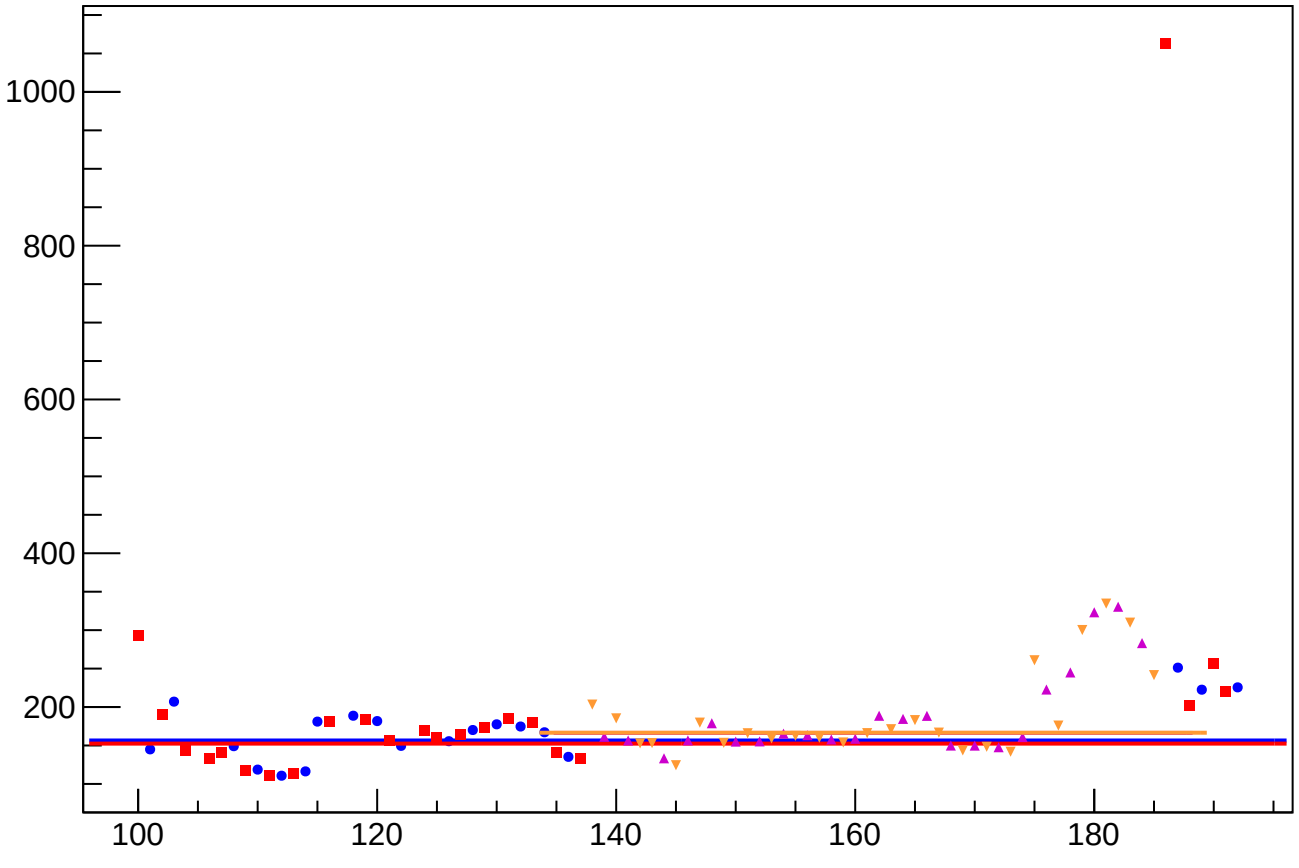
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -2.722+/-37.502 χ^2/NDF: 33.1/41

In: 38.446+/-32.224 χ^2/NDF:45.6/41

Out: 44.323+/-31.321 χ^2/NDF:42.4/47

All: 41.468+/-22.460 χ^2/NDF: 88.0/89



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: 152.438+/-0.037 χ^2/NDF: 1414315.8/22

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

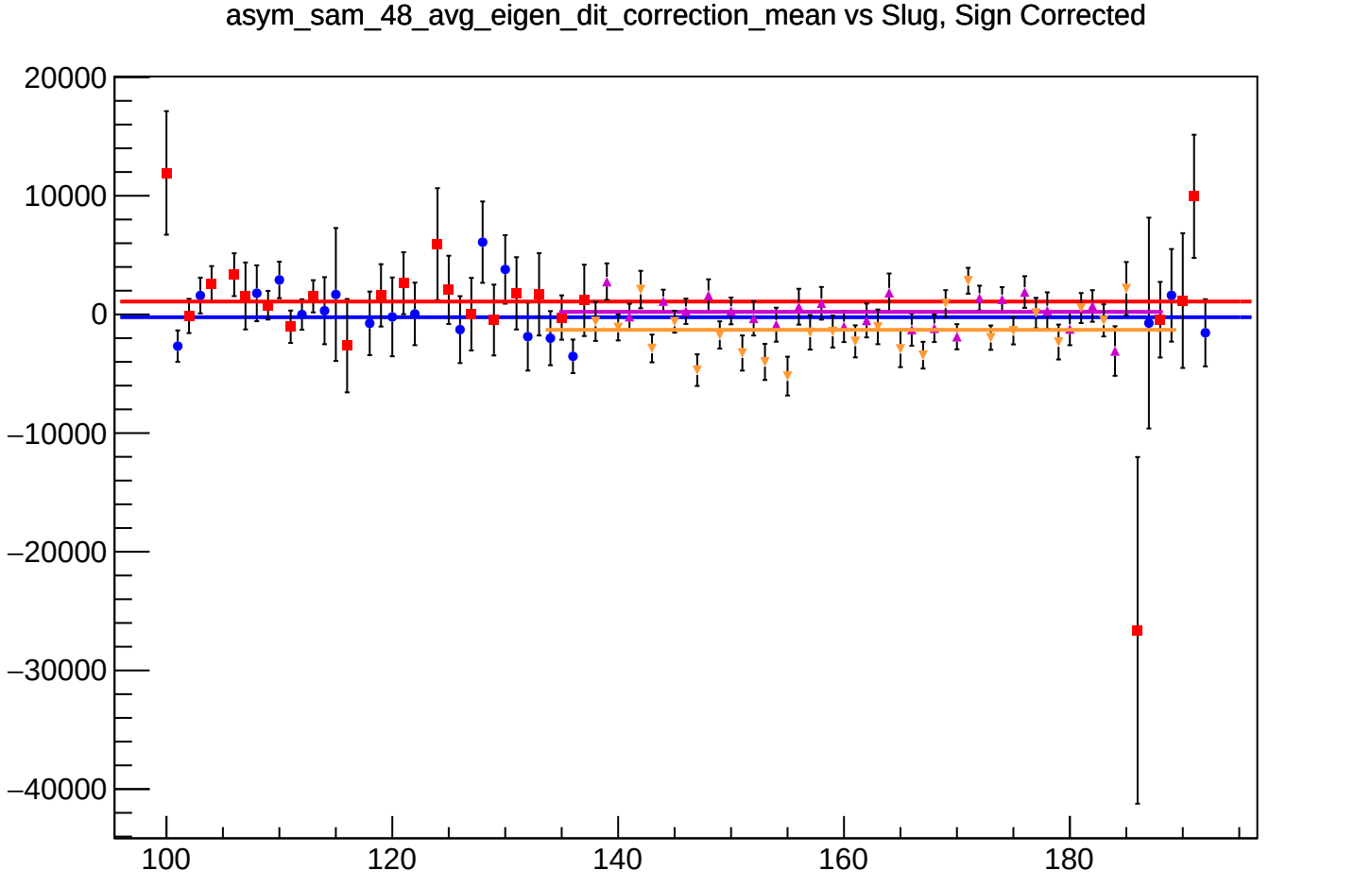
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 154.396+/-0.027 χ^2/NDF: 2230985.9/41

In: 162.811+/-0.023 χ^2/NDF:2245816.4/41

Out: 161.489+/-0.022 χ^2/NDF:3228435.2/47

All: 162.131+/-0.016 χ^2/NDF: 5475983.7/89



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: 1085.918+/-464.005 χ^2/NDF: 20.4/22

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

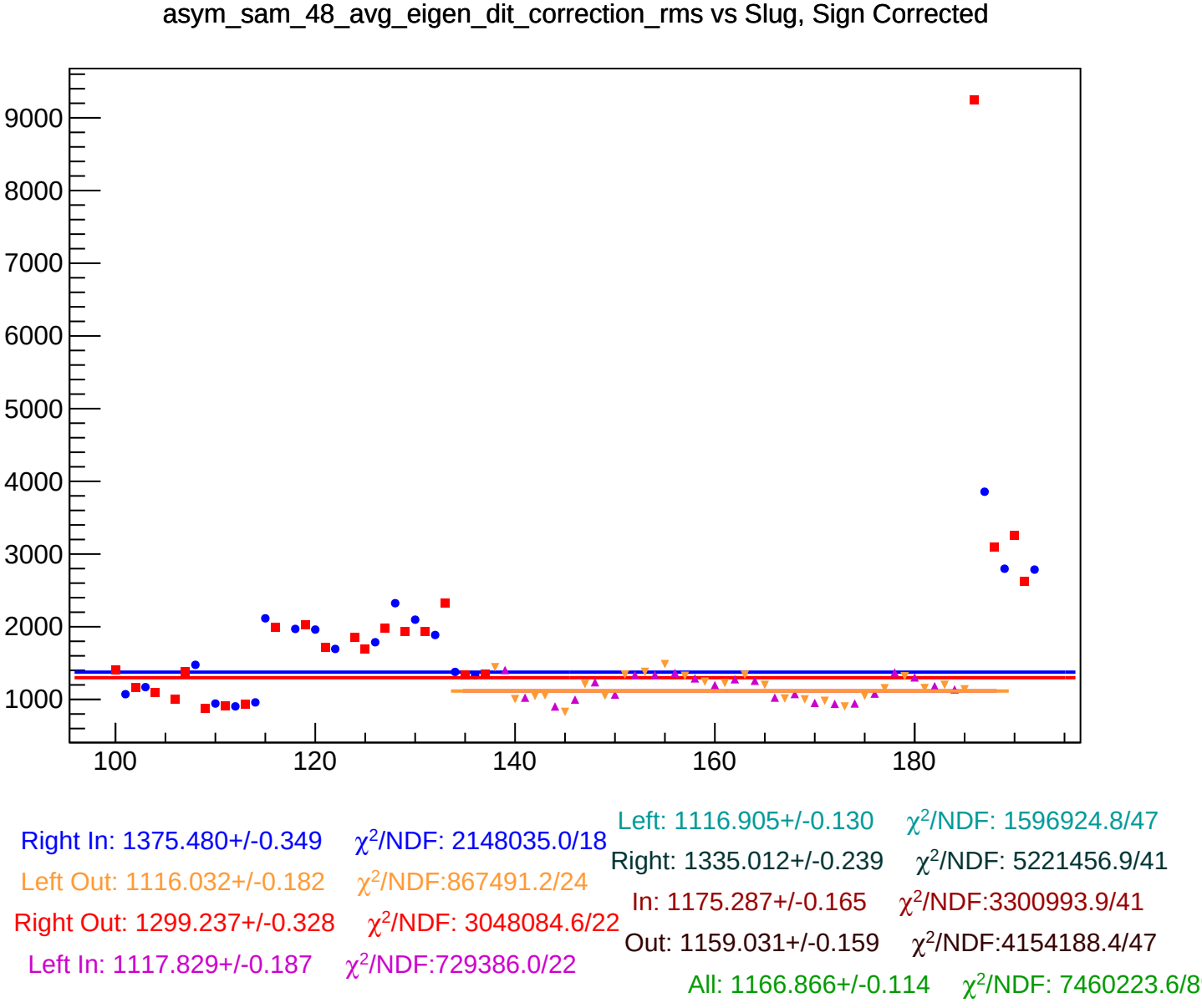
Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

Right: 466.664+/-338.049 χ^2/NDF: 46.5/41

In: 116.681+/-233.050 χ^2/NDF:45.2/41

Out: -738.739+/-224.793 χ^2/NDF:95.7/47

All: -326.453+/-161.793 χ^2/NDF: 147.8/89


asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
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5000
4000
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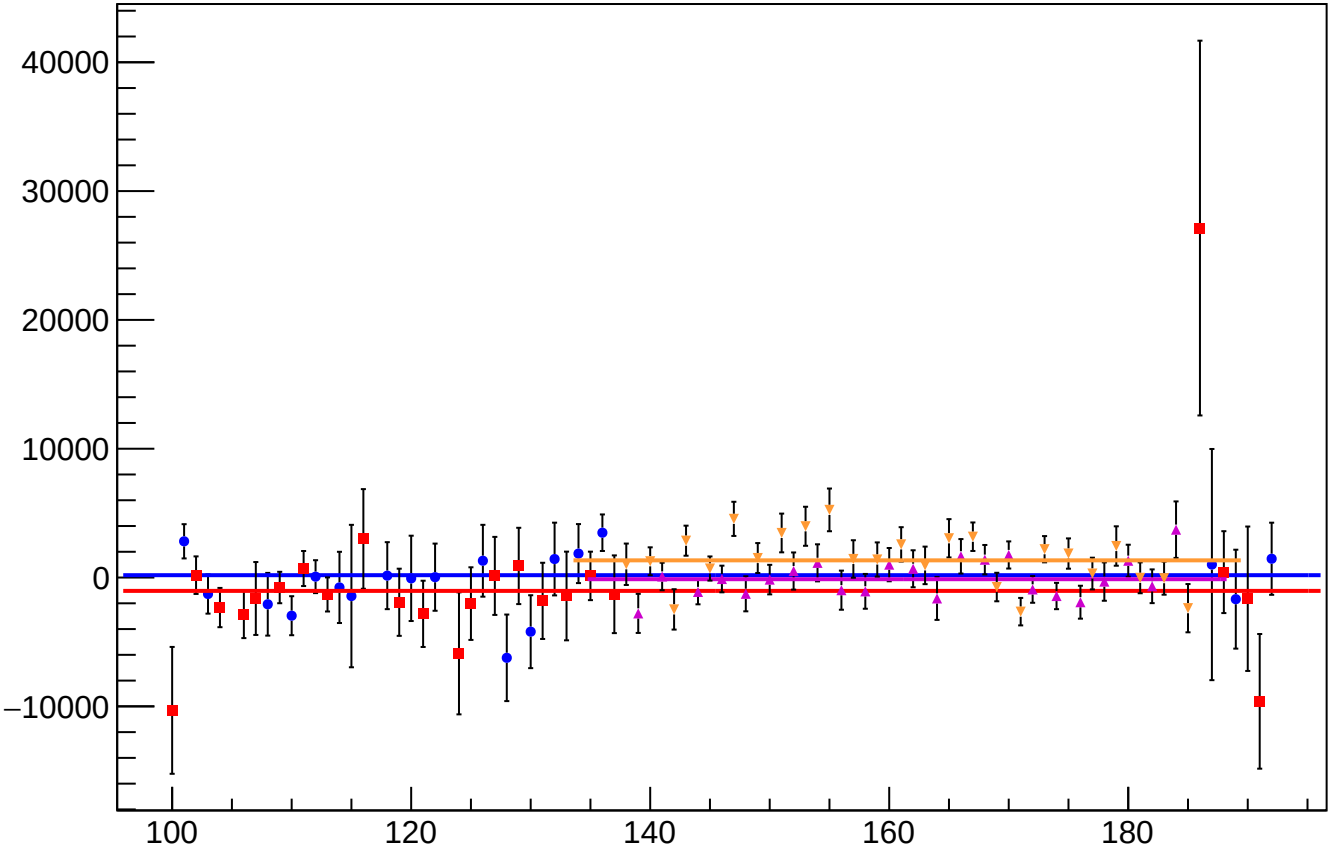
2000
1000
100
120
140
160
180
Right In: 1375.480+/-0.349 χ²/NDF: 2148035.0/18
Left Out: 1116.032+/-0.182 χ²/NDF:867491.2/24
Right Out: 1299.237+/-0.328 χ²/NDF: 3048084.6/22
Left In: 1117.829+/-0.187 χ²/NDF:729386.0/22
Left: 1116.905+/-0.130 χ²/NDF: 1596924.8/47
Right: 1335.012+/-0.239 χ²/NDF: 5221456.9/41
In: 1175.287+/-0.165 χ²/NDF:3300993.9/41
Out: 1159.031+/-0.159 χ²/NDF:4154188.4/47
All: 1166.866+/-0.114 χ²/NDF: 7460223.6/89

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: -1036.183+/-463.210 χ^2/NDF: 18.2/22

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

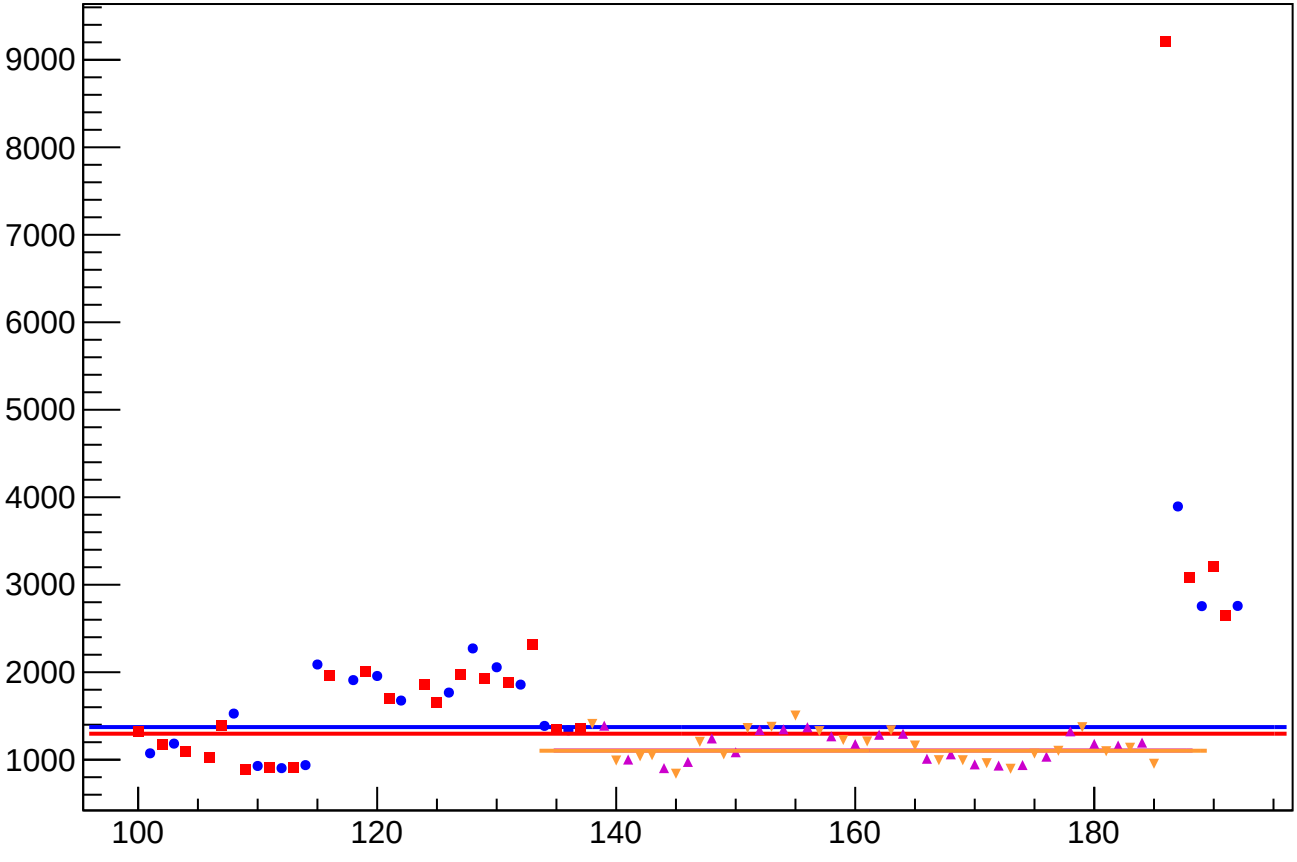
Right: -463.635+/-337.339 χ^2/NDF: 44.5/41

In: -59.880+/-230.878 χ^2/NDF:47.3/41

Out: 785.995+/-222.840 χ^2/NDF:94.0/47

All: 378.038+/-160.338 χ^2/NDF: 148.3/89

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: 1297.195+/-0.328 χ^2/NDF: 3008807.6/22

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

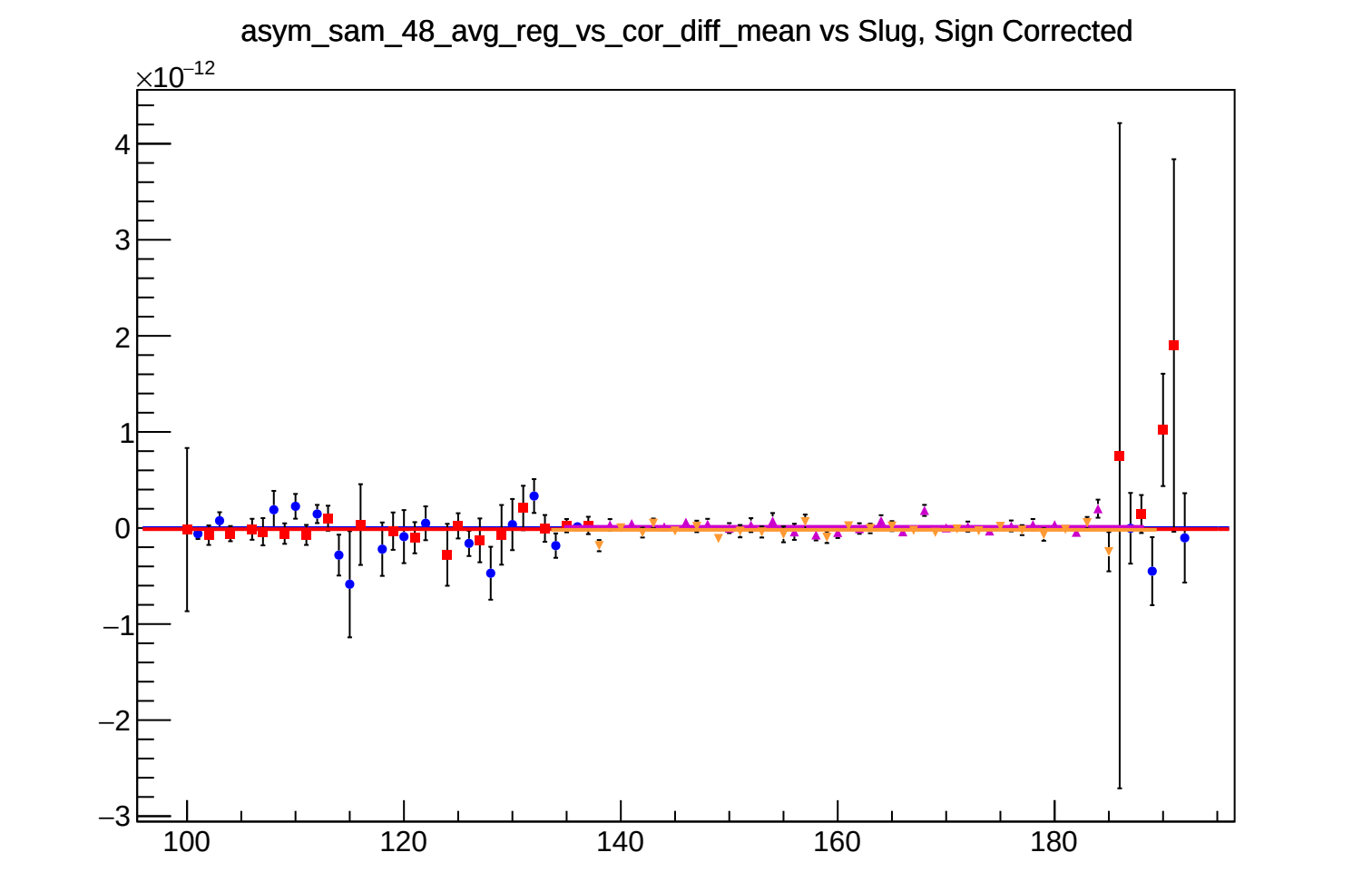
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

Right: 1332.789+/-0.239 χ^2/NDF: 5141220.7/41

In: 1164.108+/-0.163 χ^2/NDF:3292246.1/41

Out: 1147.713+/-0.158 χ^2/NDF:4160277.8/47

All: 1155.620+/-0.113 χ^2/NDF: 7457745.0/89



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 9.6/22

Left In: 0.000+/-0.000 χ^2/NDF:27.1/22

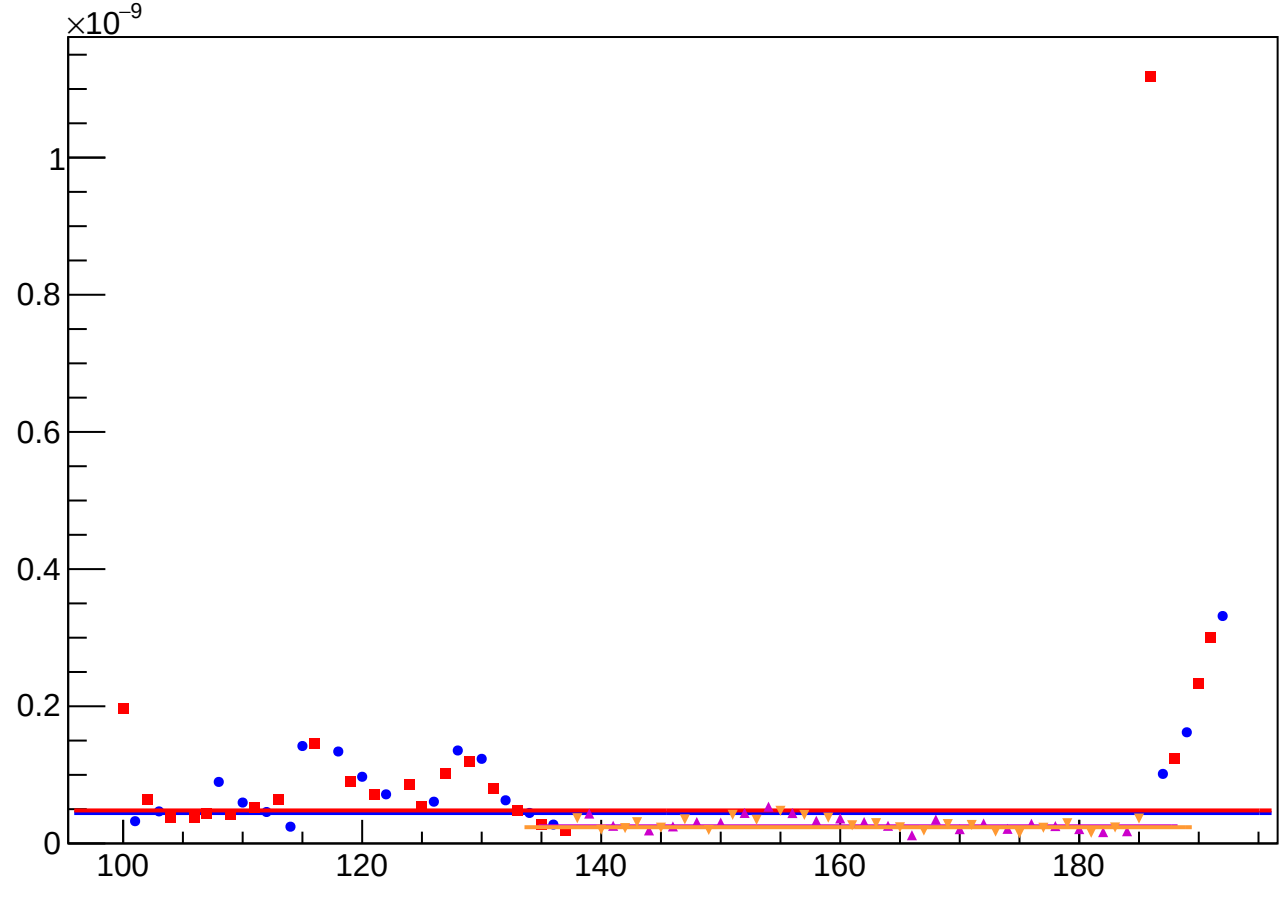
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

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

In: 0.000+/-0.000 χ^2/NDF:51.1/41

Out: -0.000+/-0.000 χ^2/NDF:36.1/47

All: -0.000+/-0.000 χ^2/NDF: 92.4/89



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: 1844445.7/22

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

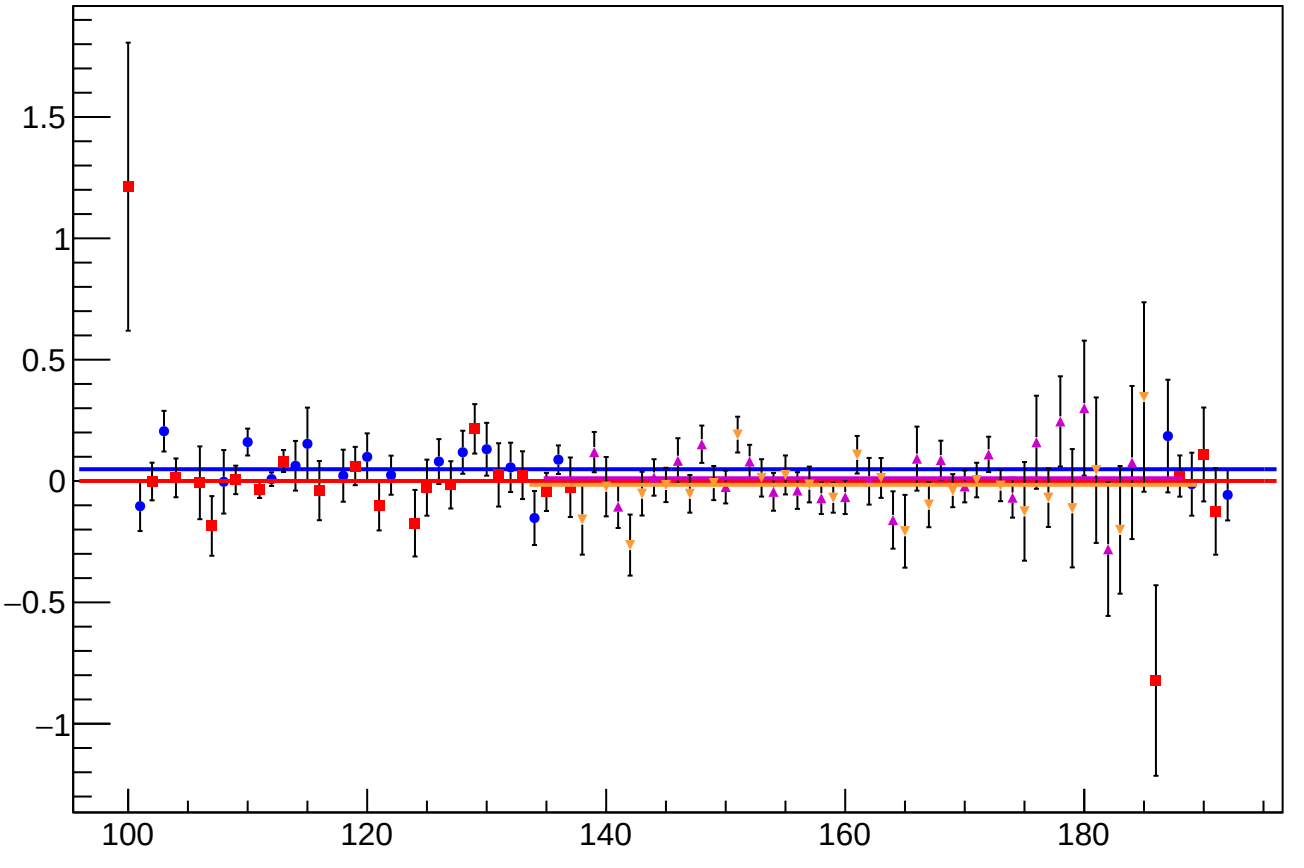
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 4247475.2/41

In: 0.000+/-0.000 χ^2/NDF:4846208.4/41

Out: 0.000+/-0.000 χ^2/NDF:4610364.7/47

All: 0.000+/-0.000 χ^2/NDF: 9483822.2/89



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: 24.5/22

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

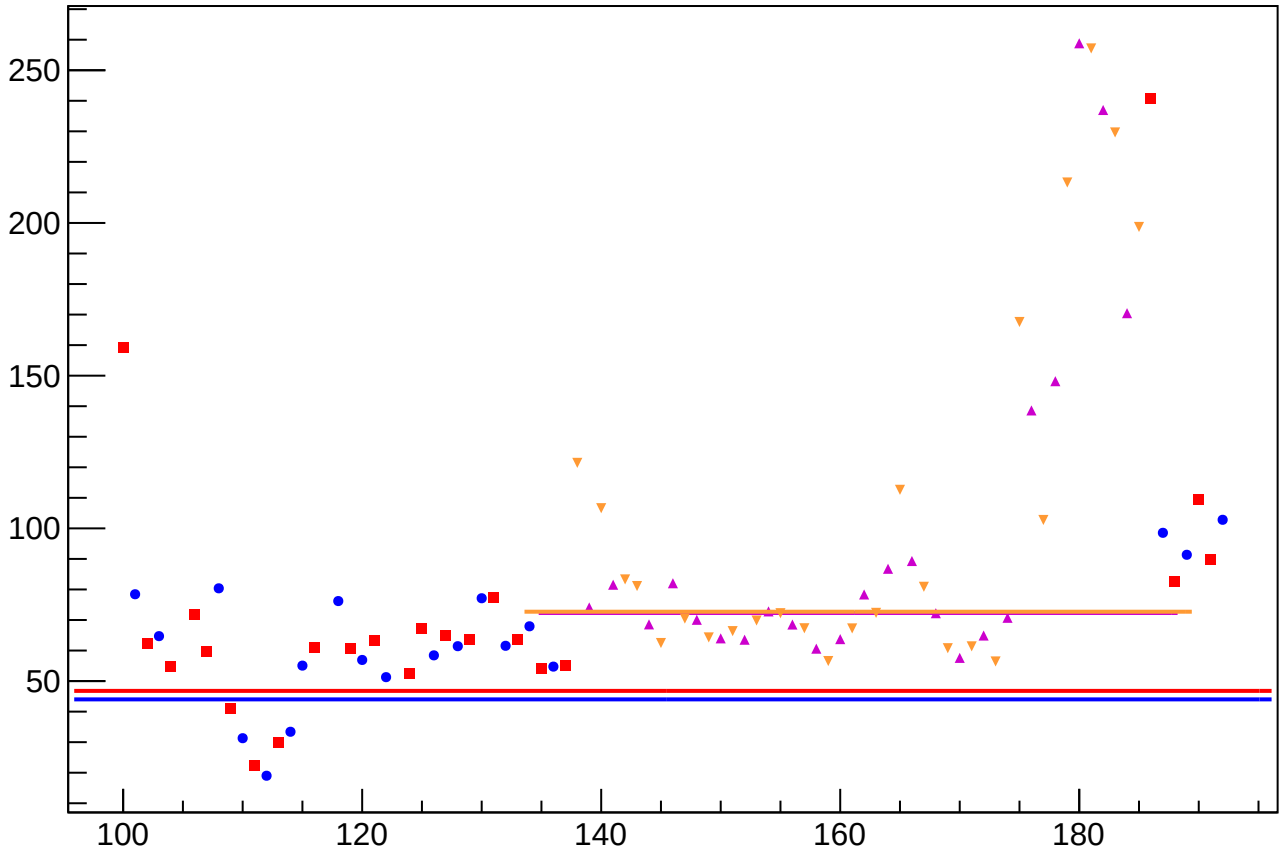
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.025+/-0.012 χ^2/NDF: 48.0/41

In: 0.031+/-0.013 χ^2/NDF:45.1/41

Out: -0.007+/-0.012 χ^2/NDF:46.5/47

All: 0.012+/-0.009 χ^2/NDF: 96.3/89



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: 46.791+/-0.012 χ^2/NDF: 3275510.6/22

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

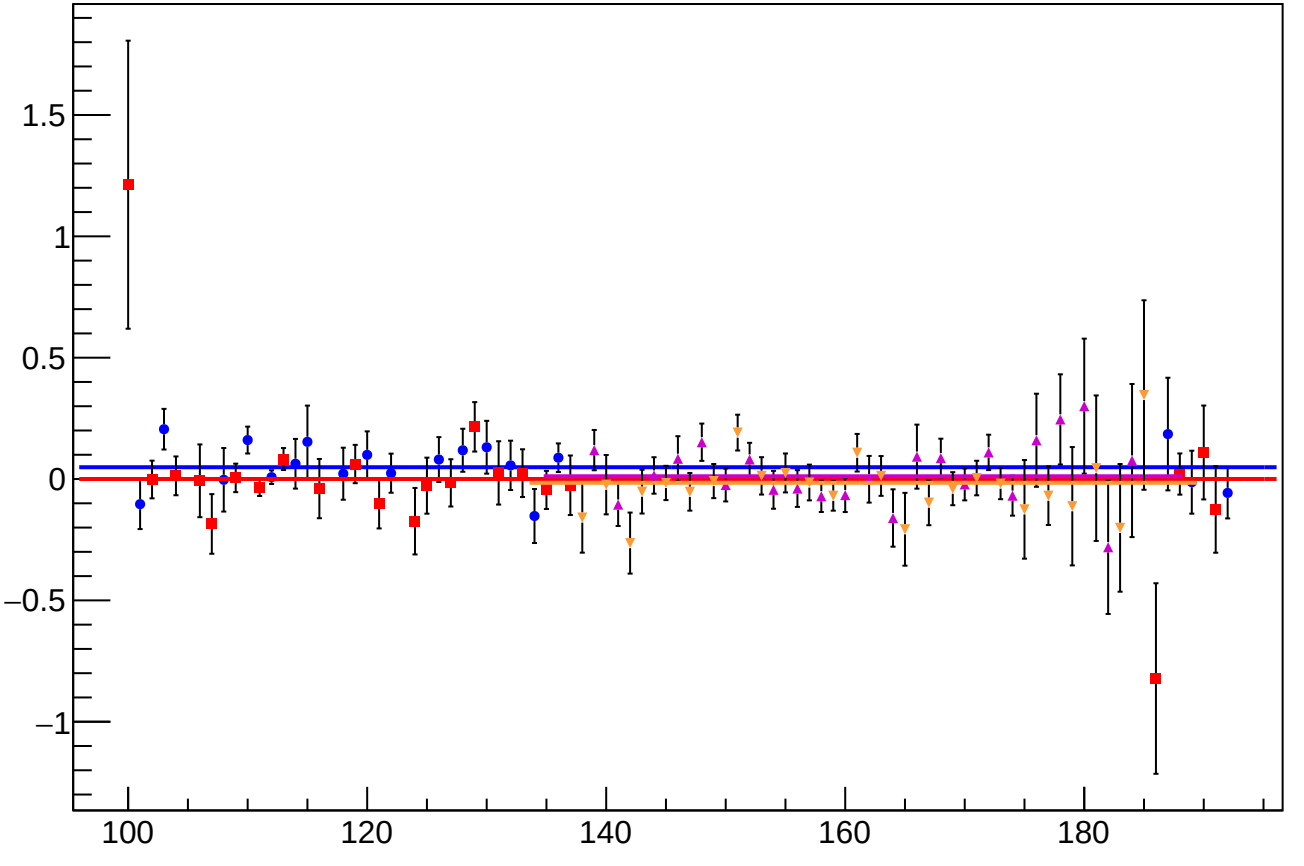
Right: 45.396+/-0.009 χ^2/NDF: 7281844.8/41

In: 57.408+/-0.009 χ^2/NDF:9298773.8/41

Out: 59.318+/-0.009 χ^2/NDF:9389743.6/47

All: 58.369+/-0.006 χ^2/NDF: 18711772.0/89

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 24.5/22

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

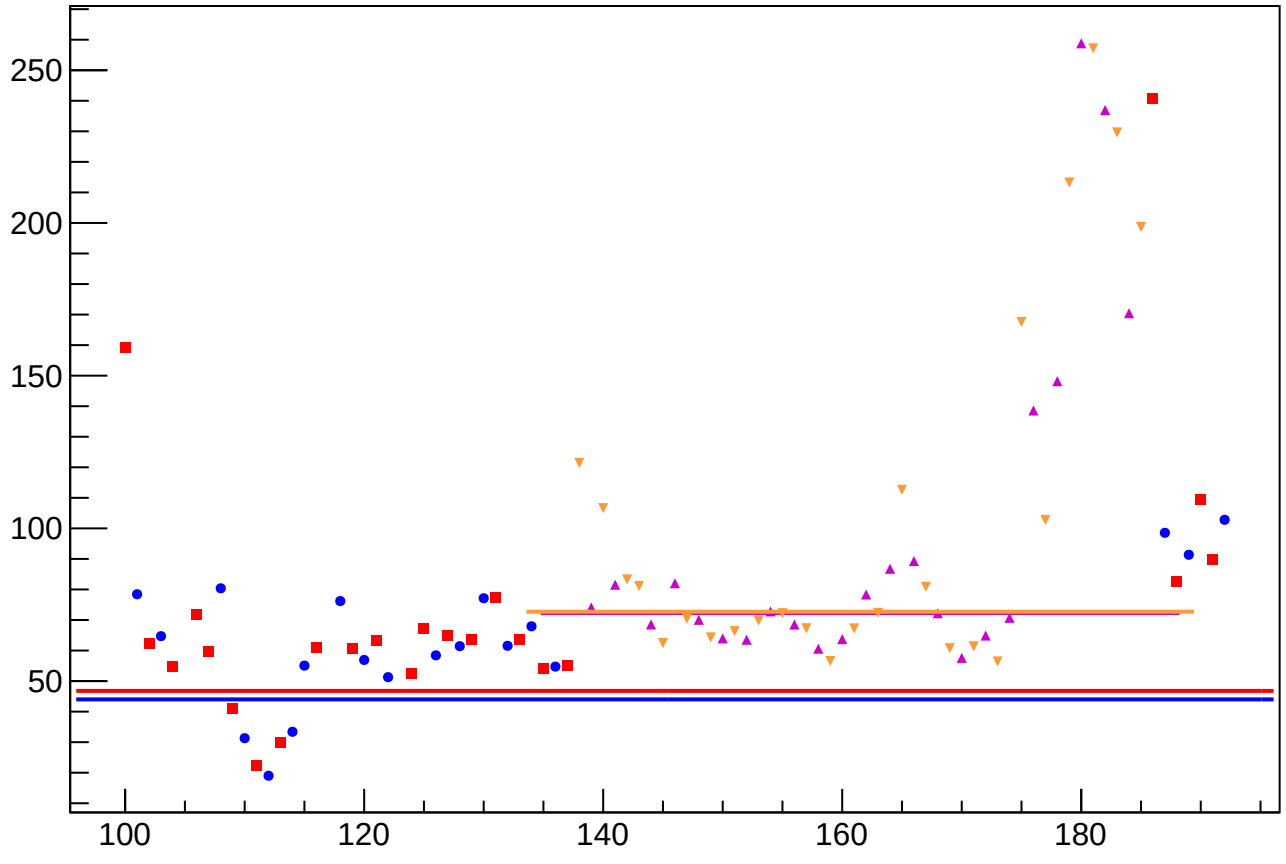
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.025+/-0.012 χ^2/NDF: 48.0/41

In: 0.031+/-0.013 χ^2/NDF:45.1/41

Out: -0.007+/-0.012 χ^2/NDF:46.5/47

All: 0.012+/-0.009 χ^2/NDF: 96.3/89



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: 46.791+/-0.012 χ^2/NDF: 3275510.6/22

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

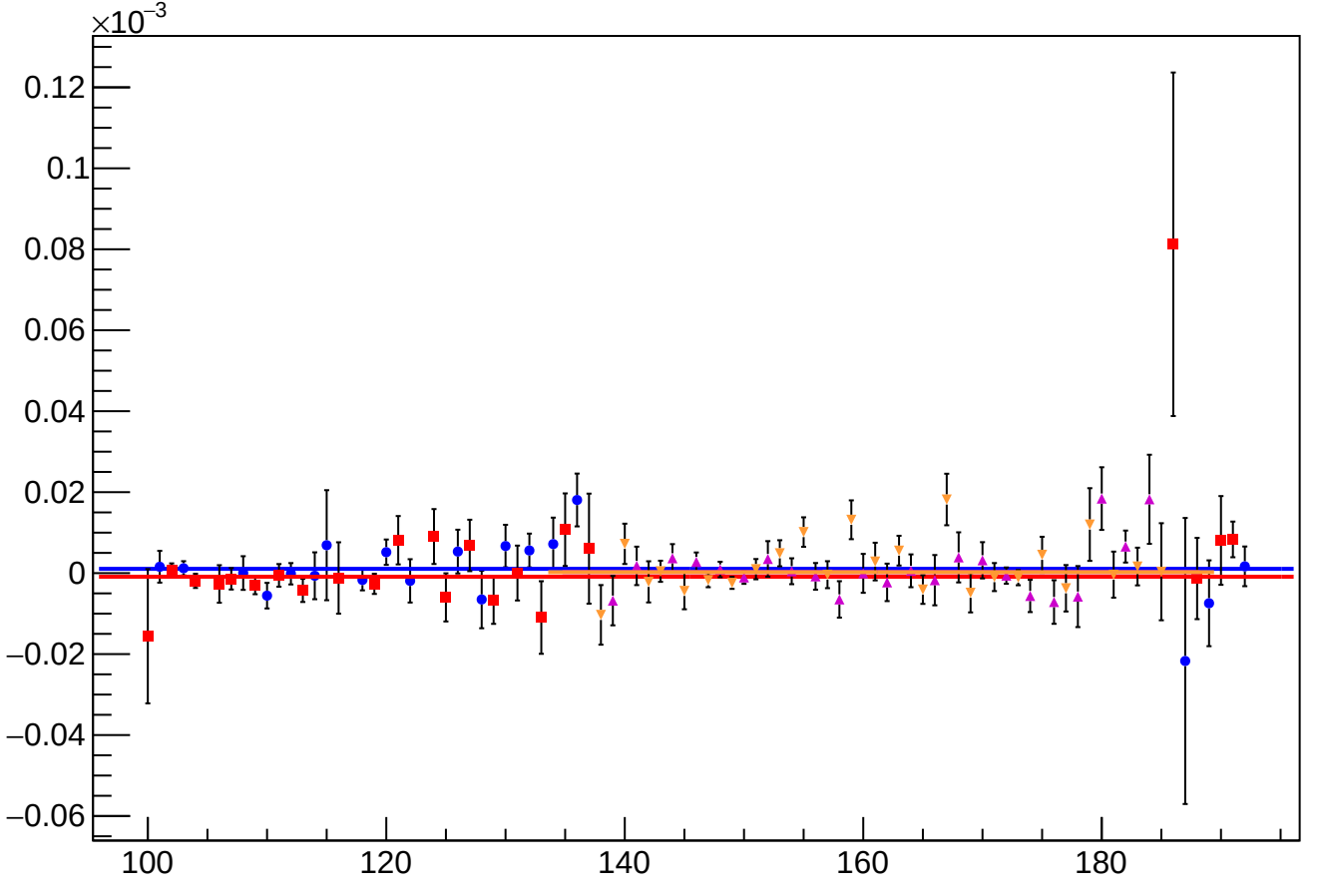
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 45.396+/-0.009 χ^2/NDF: 7281844.8/41

In: 57.408+/-0.009 χ^2/NDF:9298773.8/41

Out: 59.318+/-0.009 χ^2/NDF:9389743.6/47

All: 58.369+/-0.006 χ^2/NDF: 18711772.0/89



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: 24.9/22

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

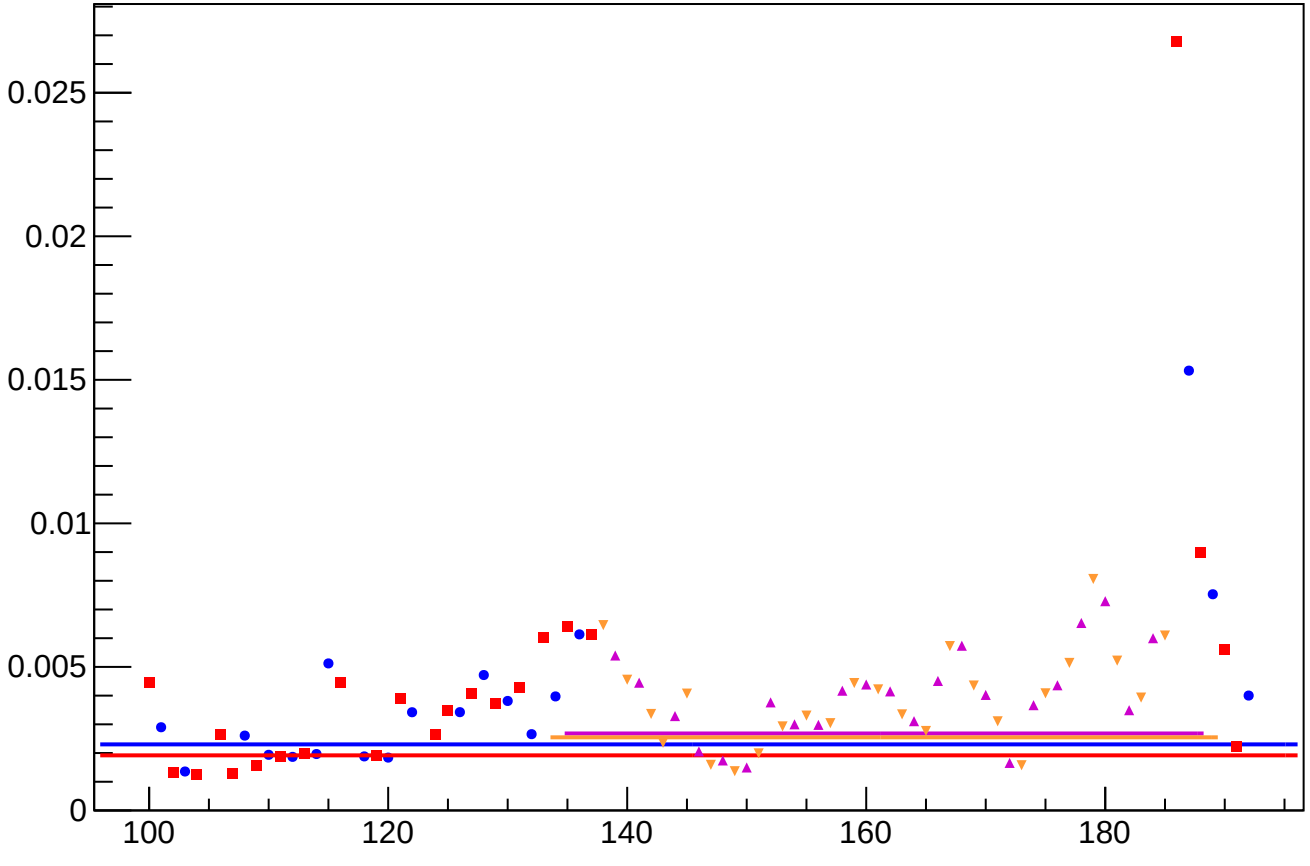
Right: -0.000+/-0.000 χ^2/NDF: 48.7/41

In: 0.000+/-0.000 χ^2/NDF:45.5/41

Out: -0.000+/-0.000 χ^2/NDF:69.6/47

All: 0.000+/-0.000 χ^2/NDF: 116.4/89

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: 5073138.1/22

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

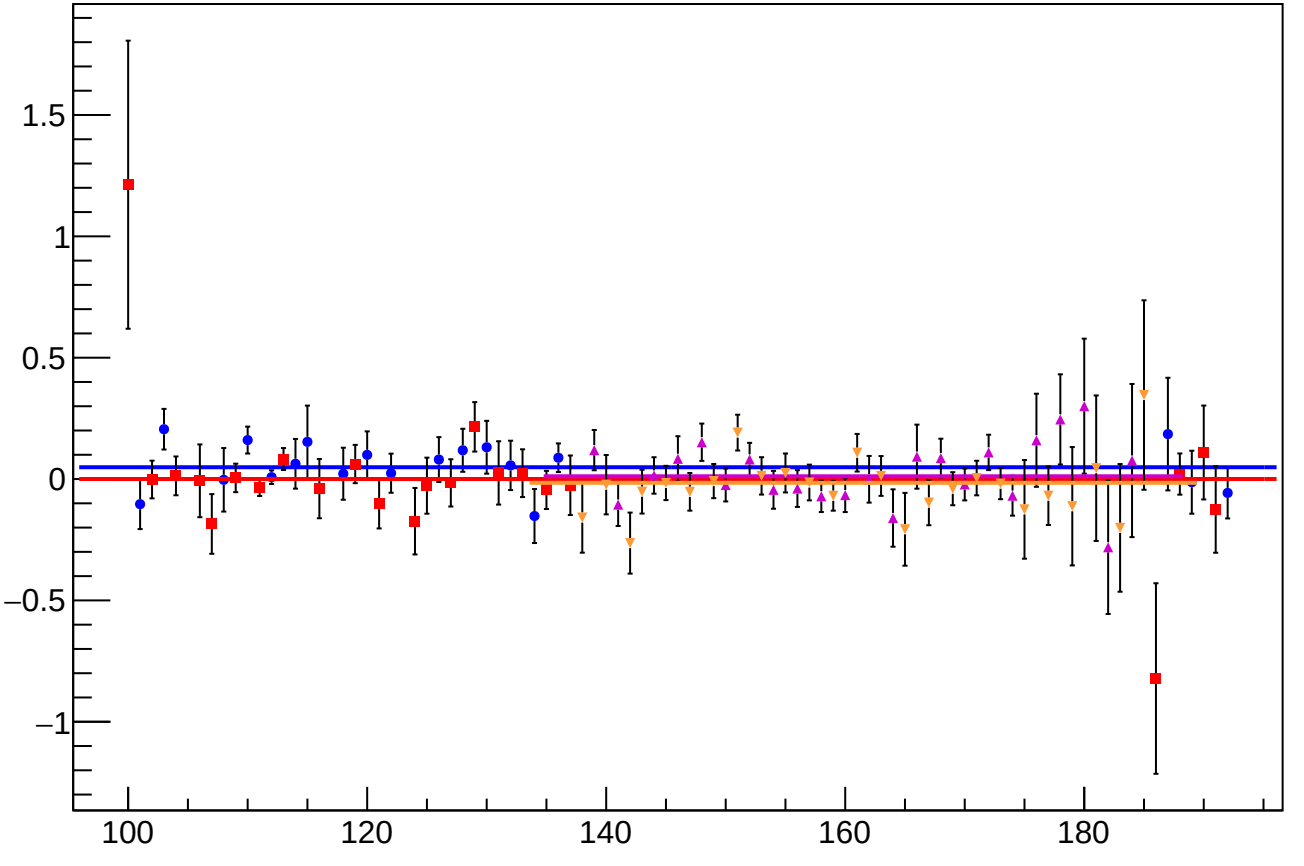
Right: 0.002+/-0.000 χ^2/NDF: 8607991.9/41

In: 0.003+/-0.000 χ^2/NDF:10046126.2/41

Out: 0.002+/-0.000 χ^2/NDF:13370497.1/47

All: 0.002+/-0.000 χ^2/NDF: 23660834.8/89

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 24.5/22

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

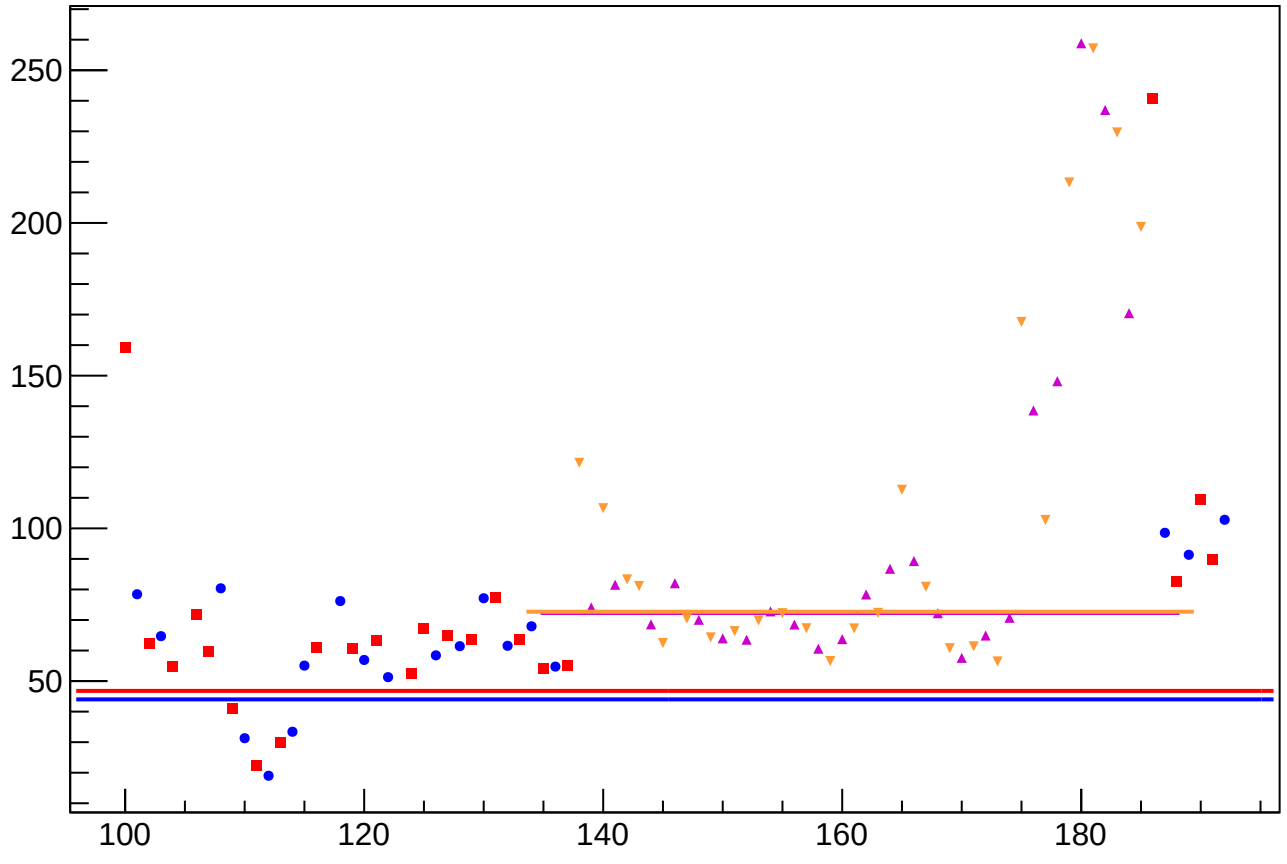
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.025+/-0.012 χ^2/NDF: 48.0/41

In: 0.031+/-0.013 χ^2/NDF:45.1/41

Out: -0.007+/-0.012 χ^2/NDF:46.5/47

All: 0.012+/-0.009 χ^2/NDF: 96.3/89



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: 46.790+/-0.012 χ^2/NDF: 3275715.4/22

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

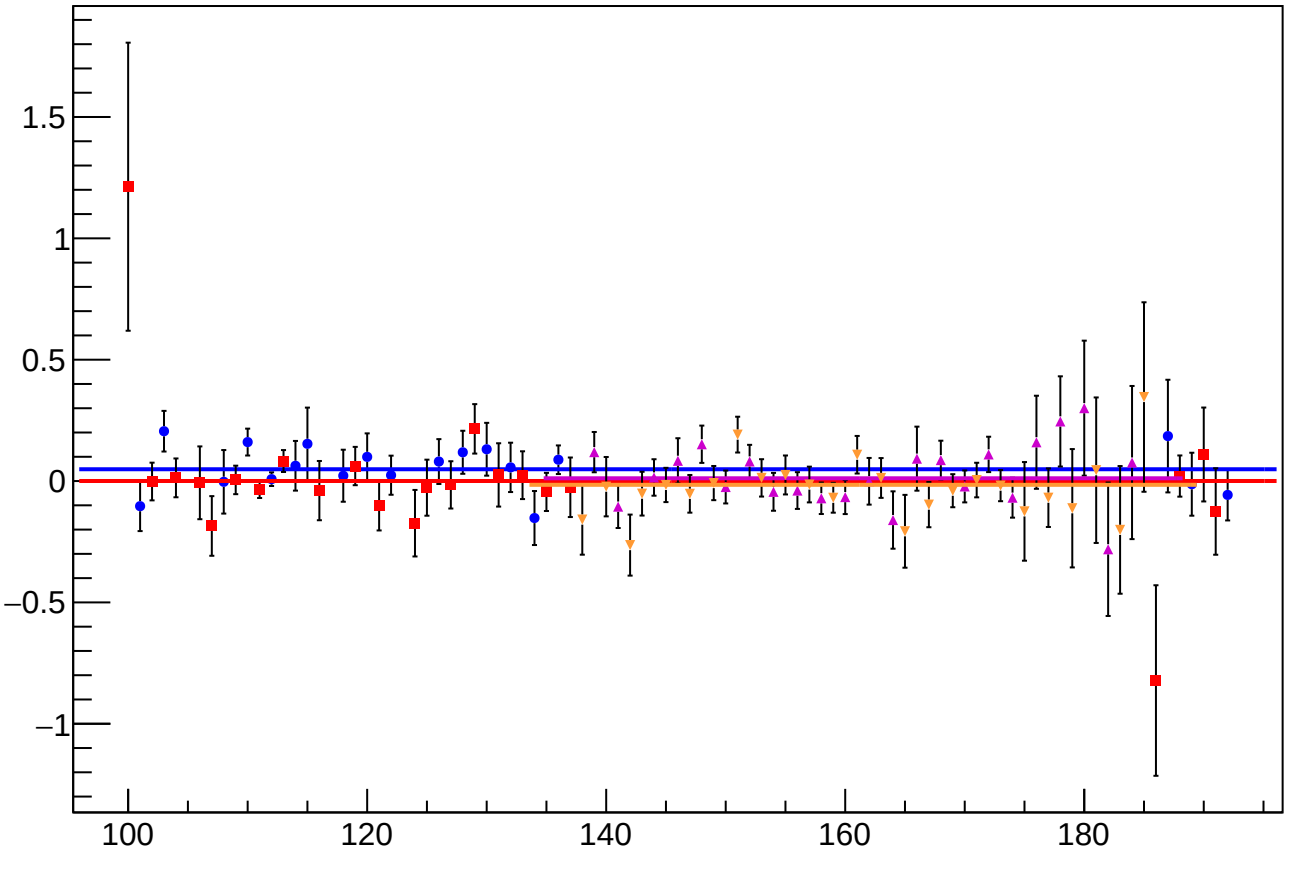
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 45.395+/-0.009 χ^2/NDF: 7282220.8/41

In: 57.408+/-0.009 χ^2/NDF:9299168.6/41

Out: 59.318+/-0.009 χ^2/NDF:9390152.1/47

All: 58.369+/-0.006 χ^2/NDF: 18712578.0/89



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: 24.5/22

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

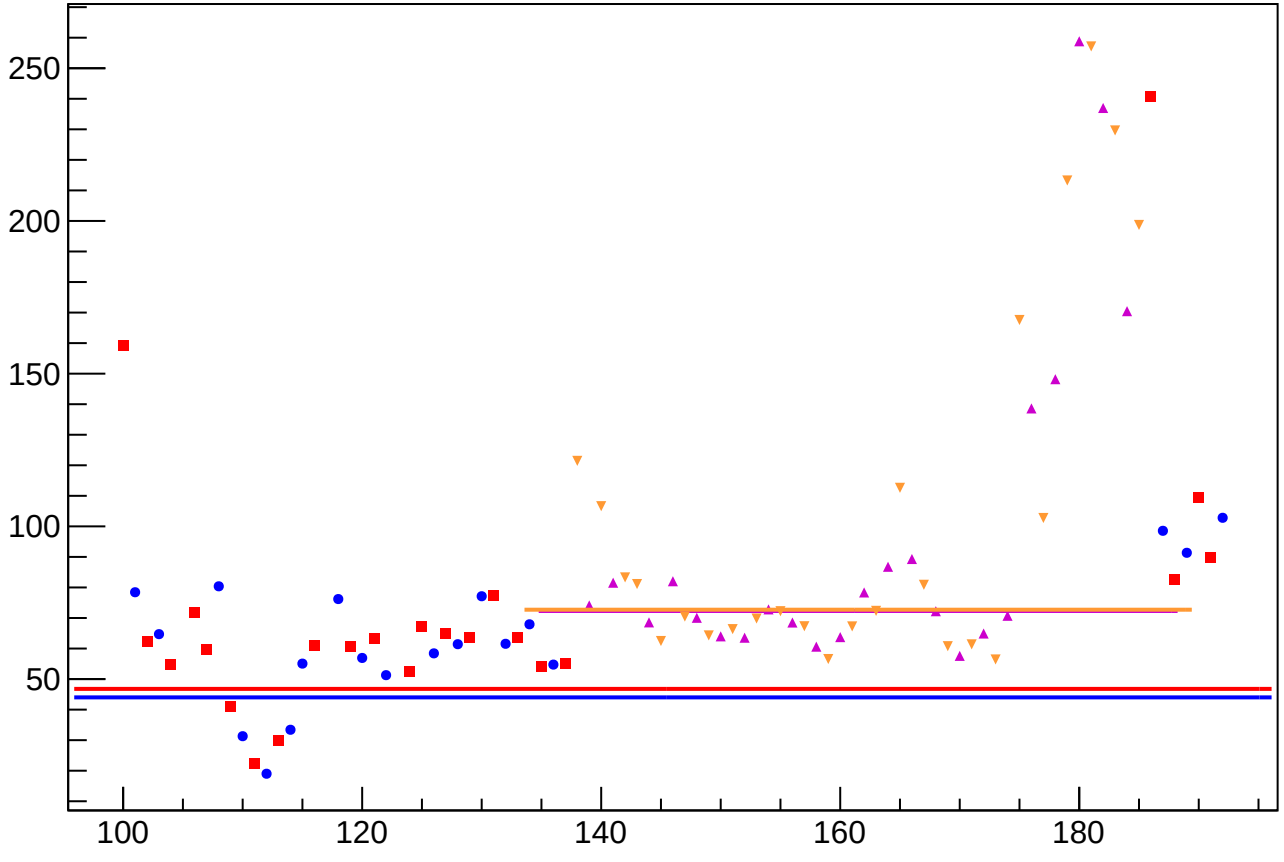
Right: 0.025+/-0.012 χ^2/NDF: 48.0/41

In: 0.031+/-0.013 χ^2/NDF:45.1/41

Out: -0.007+/-0.012 χ^2/NDF:46.5/47

All: 0.012+/-0.009 χ^2/NDF: 96.3/89

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: 46.790+/-0.012 χ^2/NDF: 3275715.4/22

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

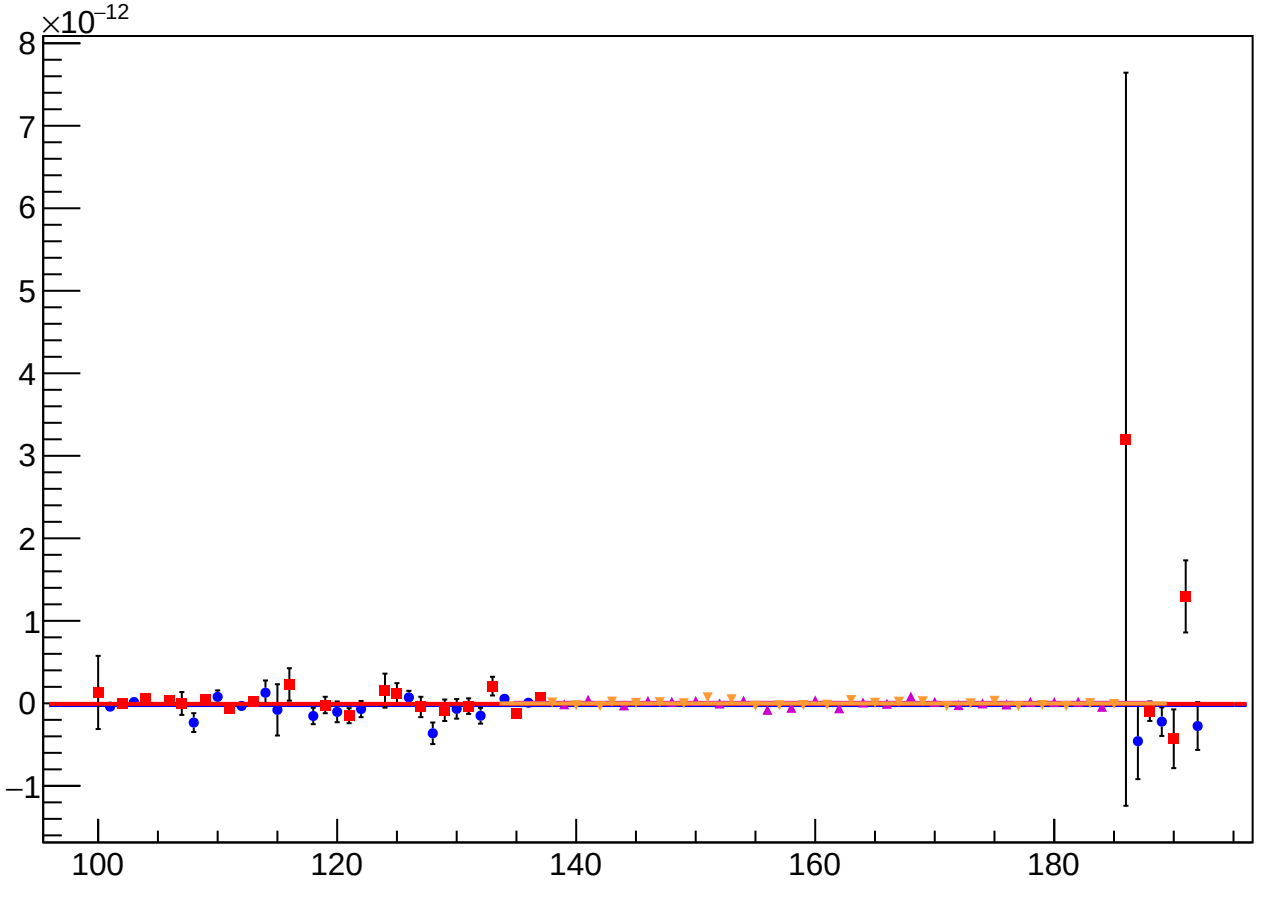
Right: 45.395+/-0.009 χ^2/NDF: 7282220.8/41

In: 57.408+/-0.009 χ^2/NDF:9299168.6/41

Out: 59.318+/-0.009 χ^2/NDF:9390152.1/47

All: 58.369+/-0.006 χ^2/NDF: 18712578.0/89

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: 34.7/22

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

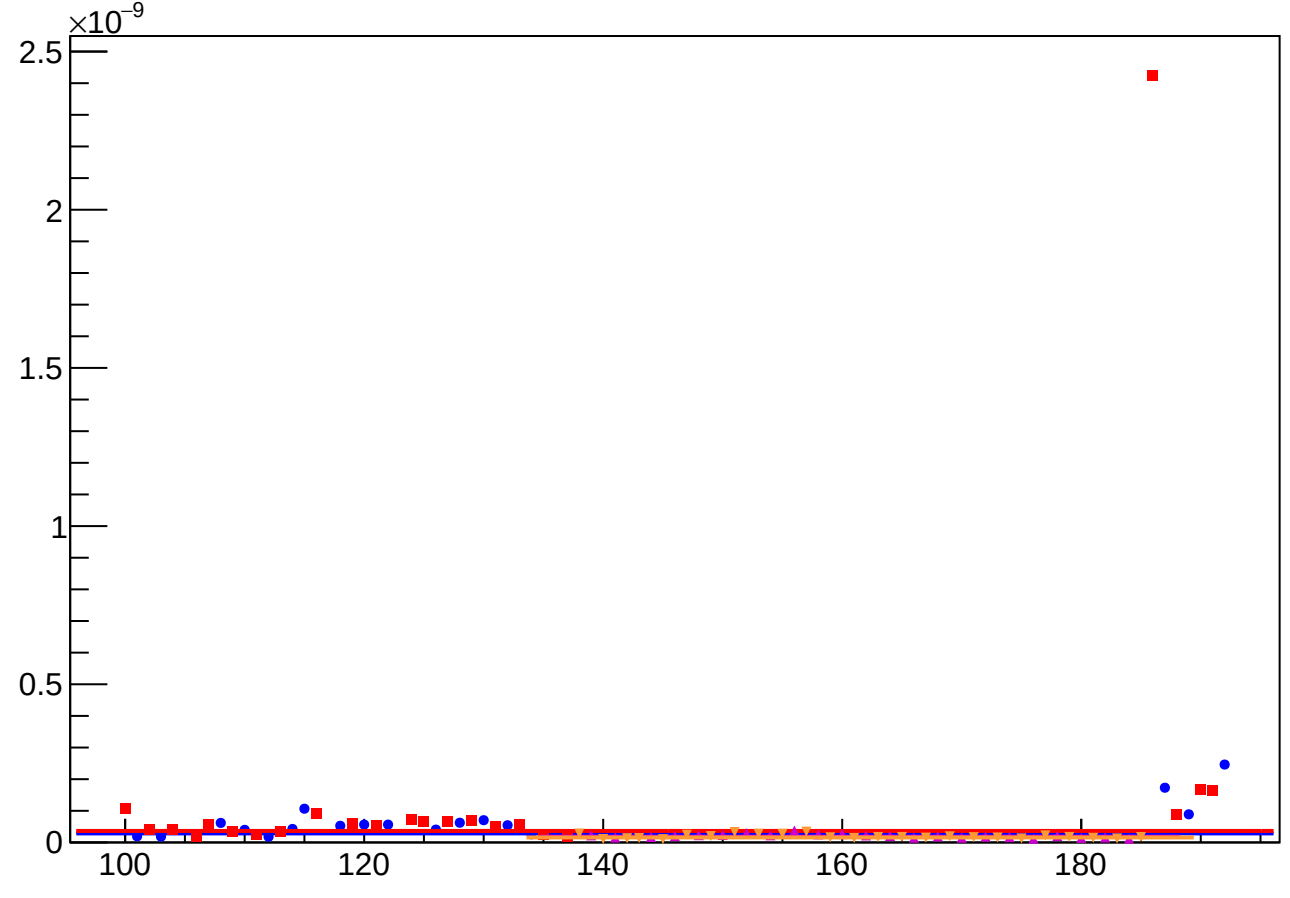
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 61.2/41

In: 0.000+/-0.000 χ^2/NDF:67.4/41

Out: -0.000+/-0.000 χ^2/NDF:62.7/47

All: 0.000+/-0.000 χ^2/NDF: 130.5/89



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: 3101241.7/22

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

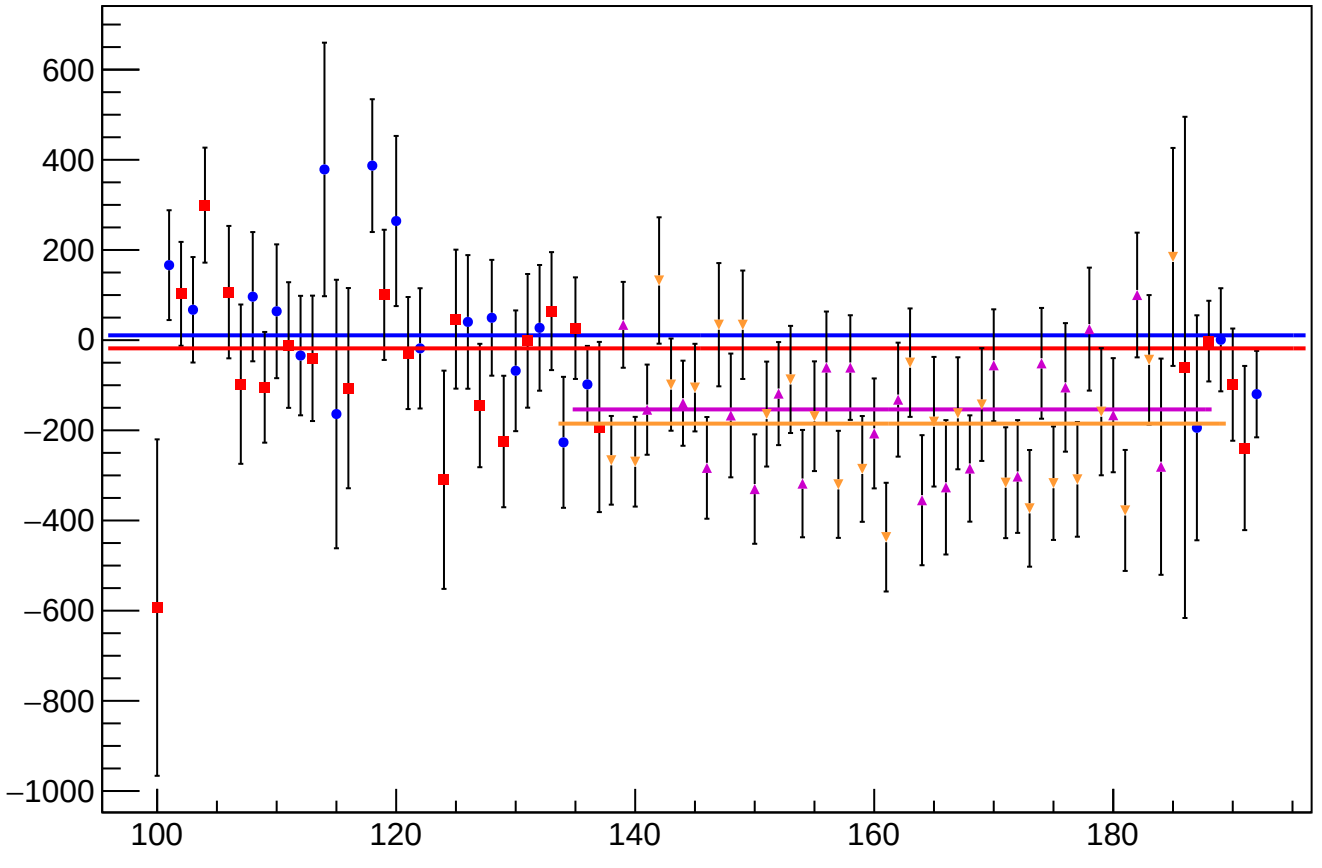
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 6737611.3/41

In: 0.000+/-0.000 χ^2/NDF:5940107.5/41

Out: 0.000+/-0.000 χ^2/NDF:8311603.7/47

All: 0.000+/-0.000 χ^2/NDF: 14449761.2/89



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: -18.228+/-29.905 χ^2/NDF: 19.8/22

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

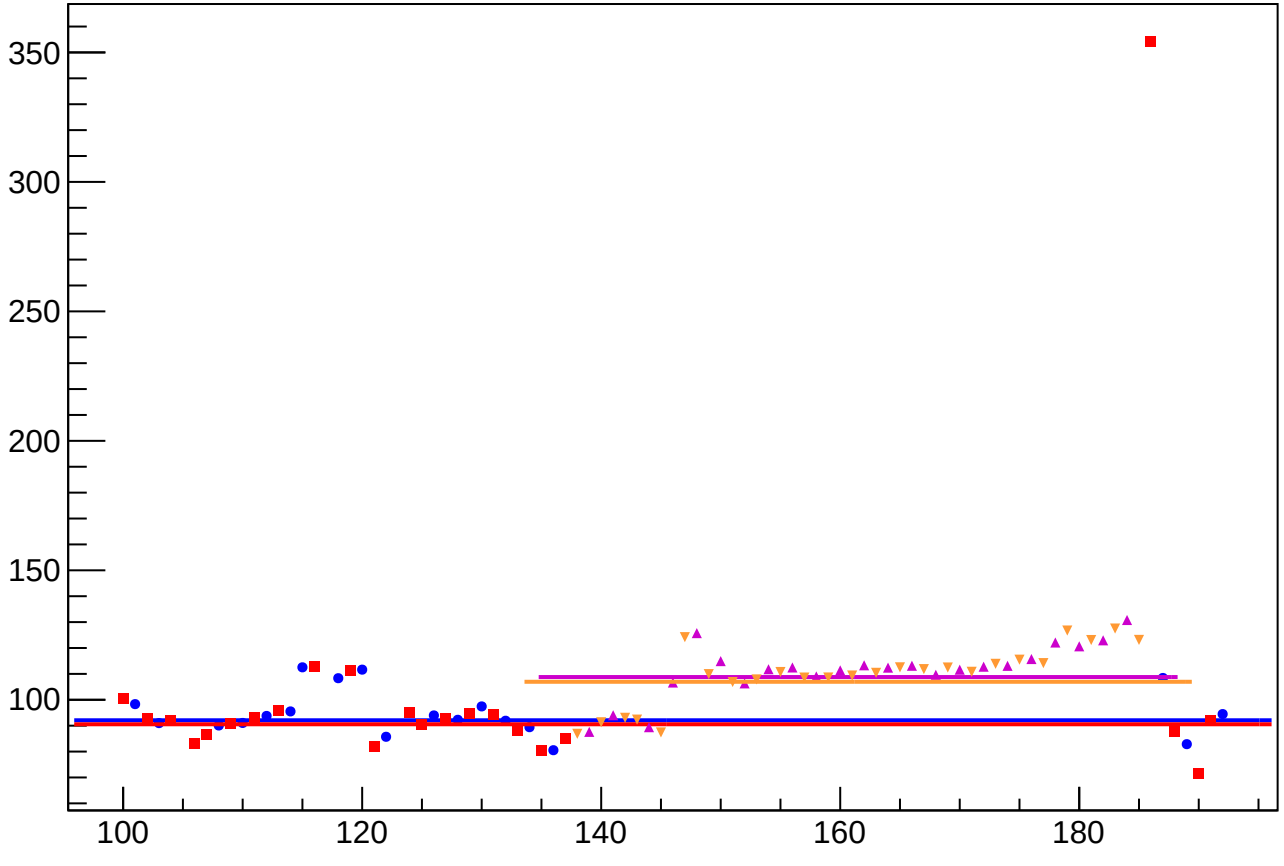
Right: -4.258+/-21.501 χ^2/NDF: 40.5/41

In: -87.030+/-19.694 χ^2/NDF:60.5/41

Out: -118.263+/-18.930 χ^2/NDF:71.5/47

All: -103.264+/-13.648 χ^2/NDF: 133.4/89

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: 90.541+/-0.021 χ^2/NDF: 604868.1/22

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

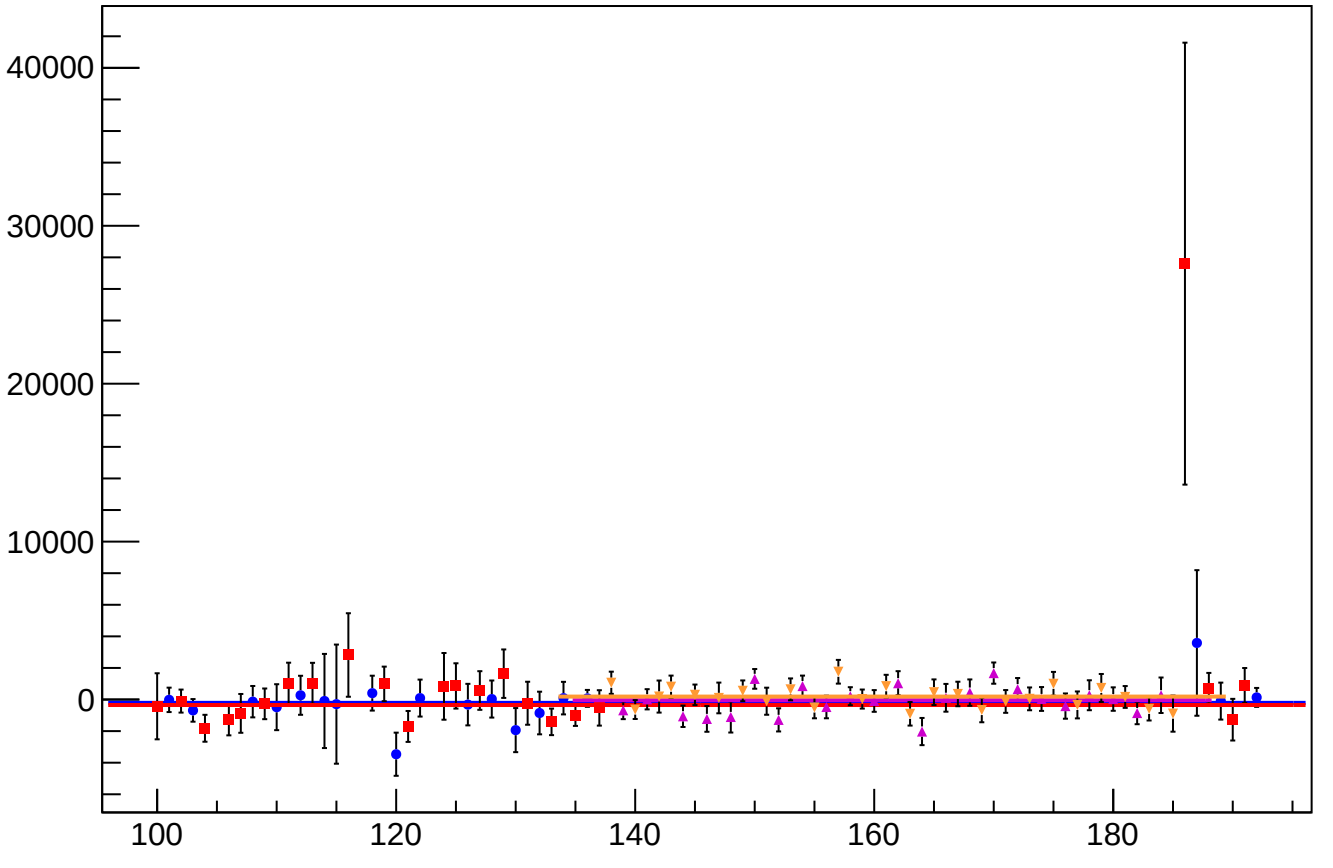
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 91.288+/-0.015 χ^2/NDF: 737423.5/41

In: 102.015+/-0.014 χ^2/NDF:834782.9/41

Out: 100.377+/-0.013 χ^2/NDF:1430188.7/47

All: 101.164+/-0.010 χ^2/NDF: 2272155.3/89



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: -347.121+/-231.676 χ^2/NDF: 24.0/22

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

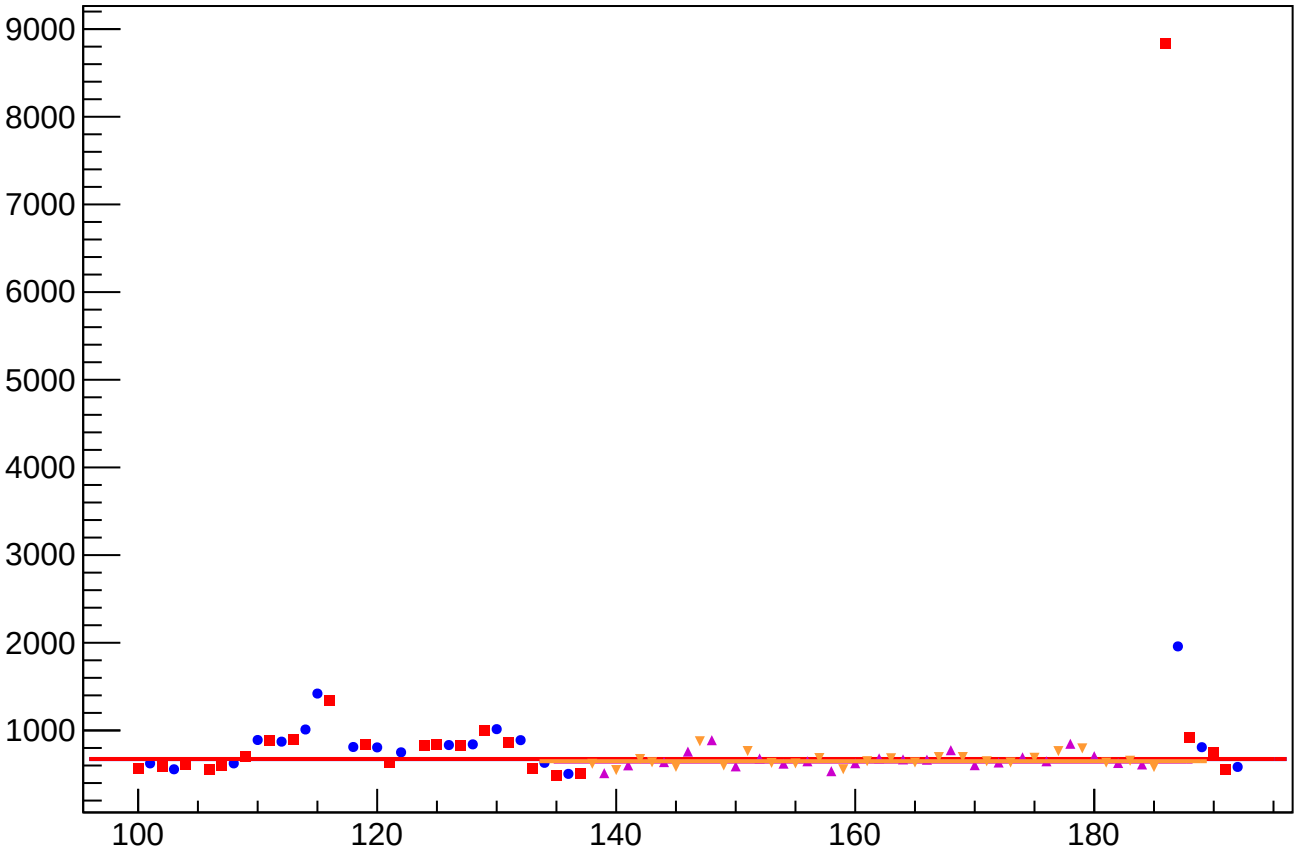
Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

Right: -279.284+/-164.359 χ^2/NDF: 34.1/41

In: -93.157+/-127.375 χ^2/NDF:44.0/41

Out: 30.599+/-125.212 χ^2/NDF:46.8/47

All: -30.219+/-89.293 χ^2/NDF: 91.3/89



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: 674.568+/-0.164 χ^2/NDF: 1636582.7/22

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

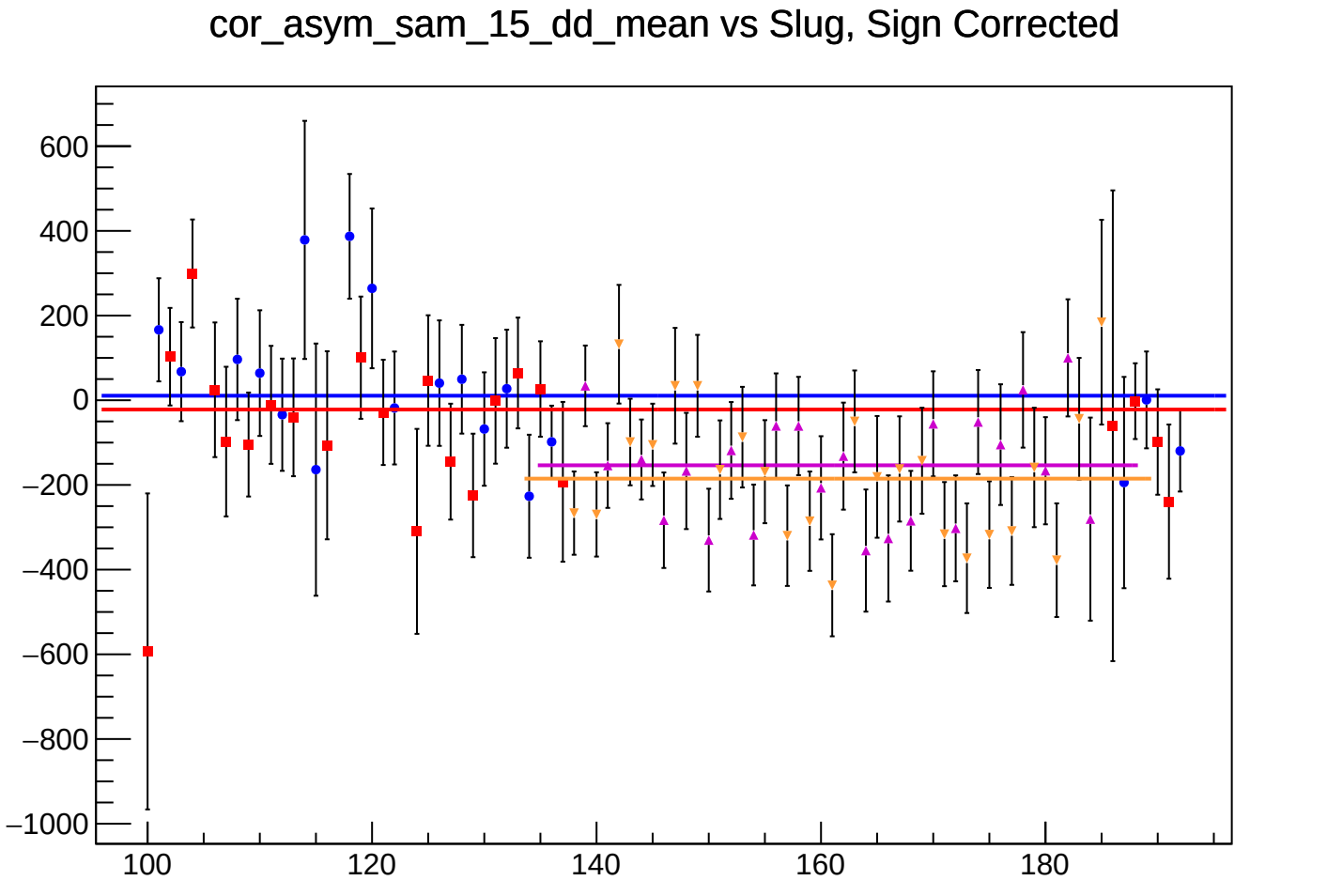
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 673.807+/-0.116 χ^2/NDF: 2632436.5/41

In: 652.712+/-0.090 χ^2/NDF:1576576.9/41

Out: 656.602+/-0.089 χ^2/NDF:2071937.0/47

All: 654.691+/-0.063 χ^2/NDF: 3649462.3/89



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: -21.900+/-29.997 χ^2/NDF: 19.1/22

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

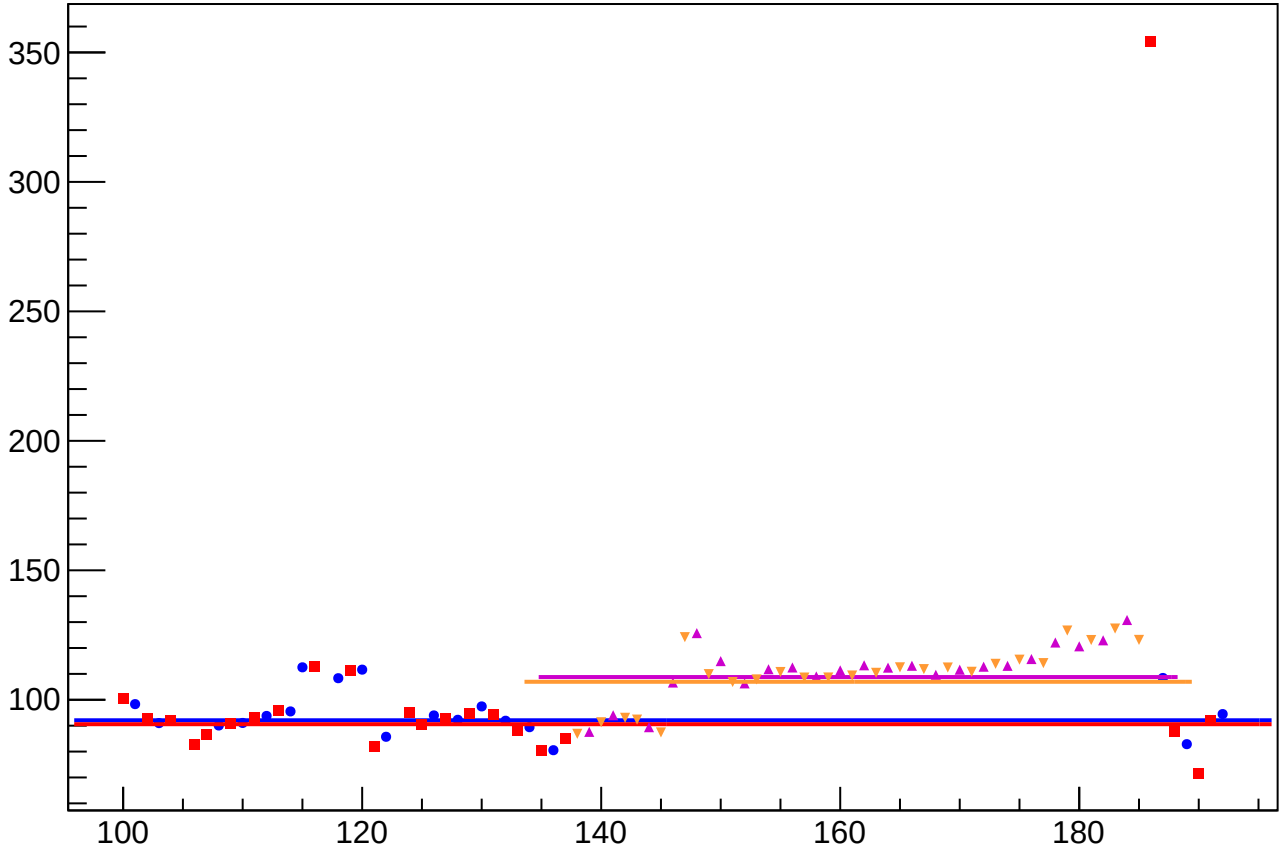
Right: -6.101+/-21.535 χ^2/NDF: 40.0/41

In: -87.029+/-19.694 χ^2/NDF:60.5/41

Out: -119.976+/-18.953 χ^2/NDF:70.0/47

All: -104.134+/-13.656 χ^2/NDF: 132.0/89

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: 90.567+/-0.021 χ^2/NDF: 604785.6/22

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

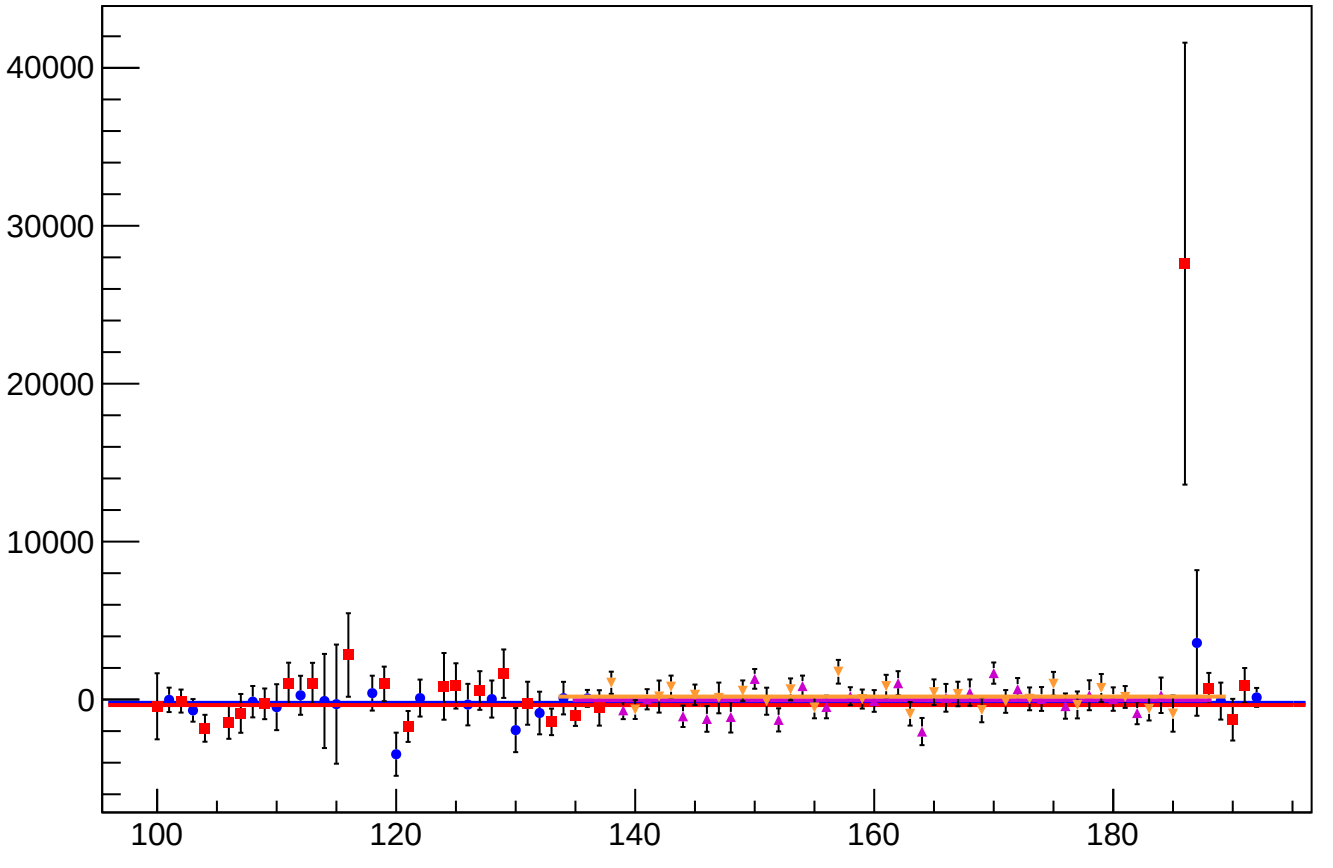
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 91.304+/-0.015 χ^2/NDF: 737247.5/41

In: 102.015+/-0.014 χ^2/NDF:834782.8/41

Out: 100.412+/-0.013 χ^2/NDF:1427638.0/47

All: 101.183+/-0.010 χ^2/NDF: 2269296.0/89



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: -349.748+/-232.343 χ^2/NDF: 24.2/22

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

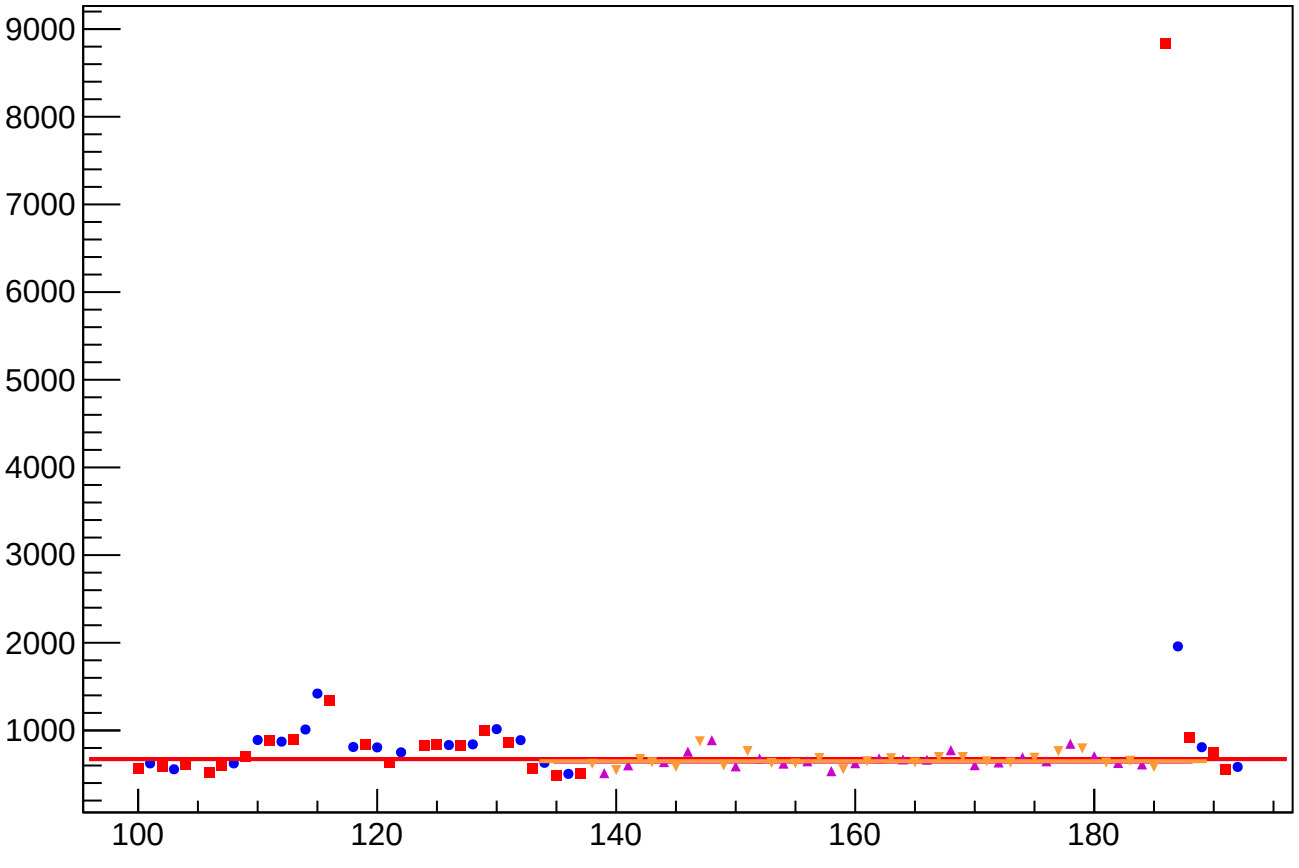
Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

Right: -280.406+/-164.597 χ^2/NDF: 34.3/41

In: -93.158+/-127.375 χ^2/NDF:44.0/41

Out: 30.464+/-125.317 χ^2/NDF:47.0/47

All: -30.340+/-89.331 χ^2/NDF: 91.5/89



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: 673.901+/-0.164 χ^2/NDF: 1647422.5/22

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

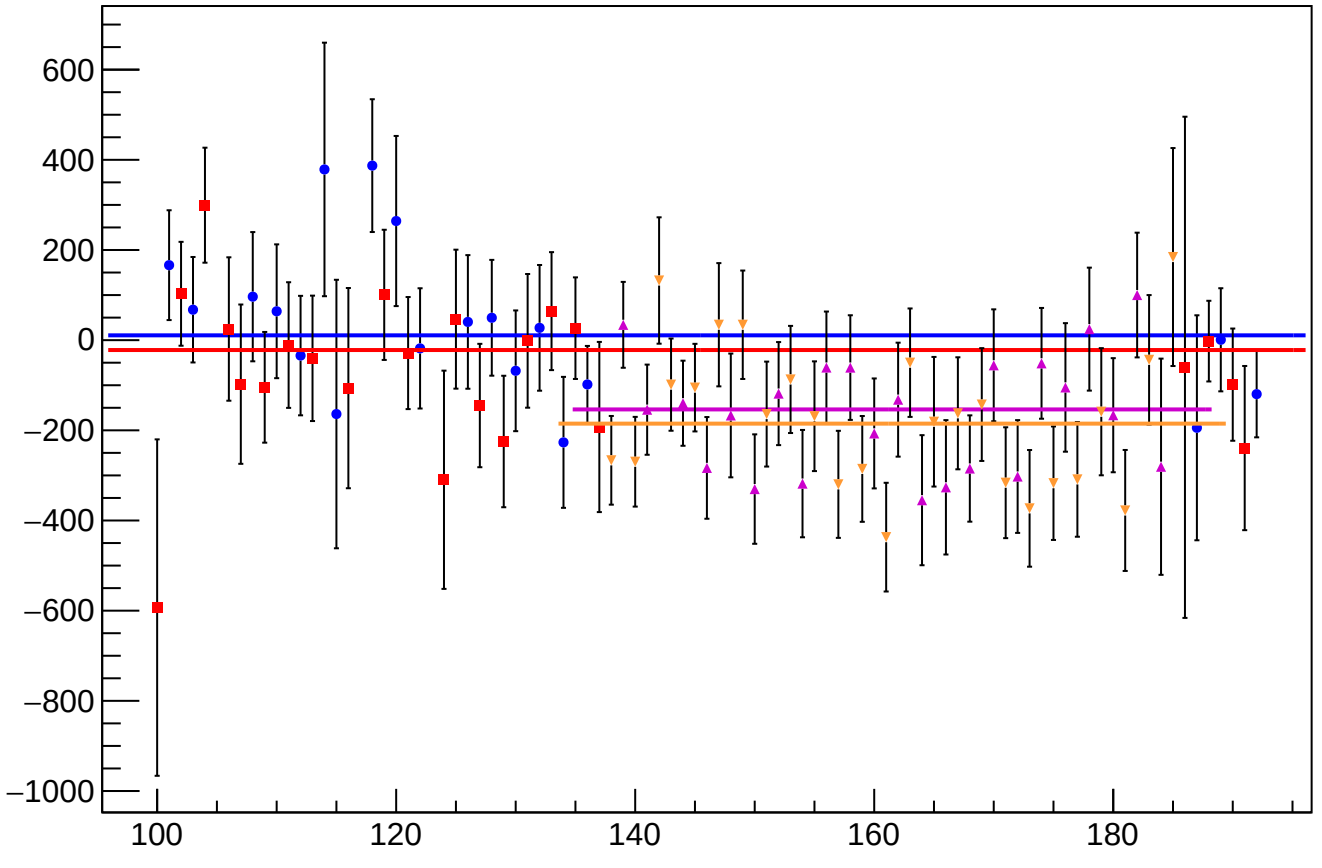
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 673.470+/-0.116 χ^2/NDF: 2643247.6/41

In: 652.712+/-0.090 χ^2/NDF:1576578.4/41

Out: 656.378+/-0.089 χ^2/NDF:2081831.4/47

All: 654.575+/-0.063 χ^2/NDF: 3659251.4/89



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: -21.900+/-29.997 χ^2/NDF: 19.1/22

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

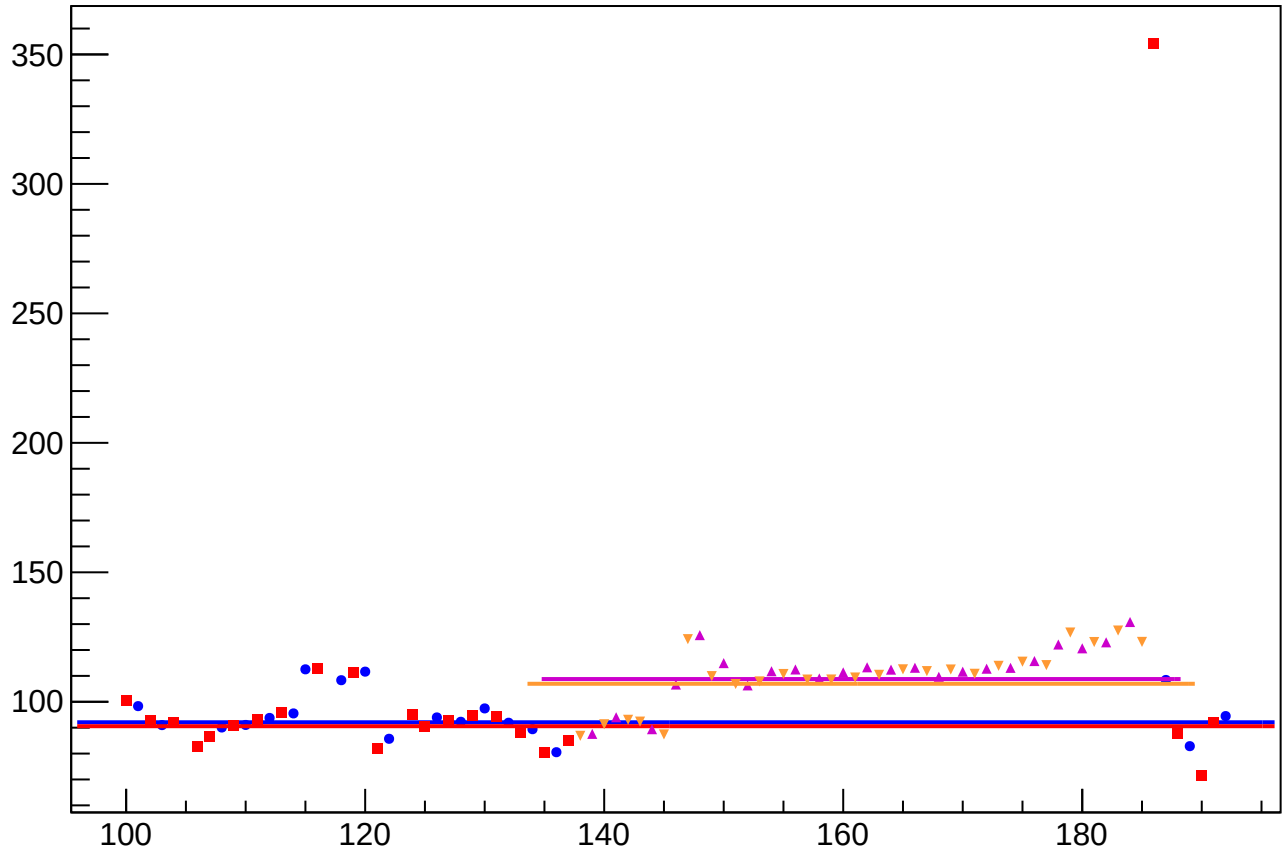
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: -6.101+/-21.535 χ^2/NDF: 40.0/41

In: -87.029+/-19.694 χ^2/NDF:60.5/41

Out: -119.976+/-18.953 χ^2/NDF:70.0/47

All: -104.134+/-13.656 χ^2/NDF: 132.0/89



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: 90.567+/-0.021 χ^2/NDF: 604785.6/22

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

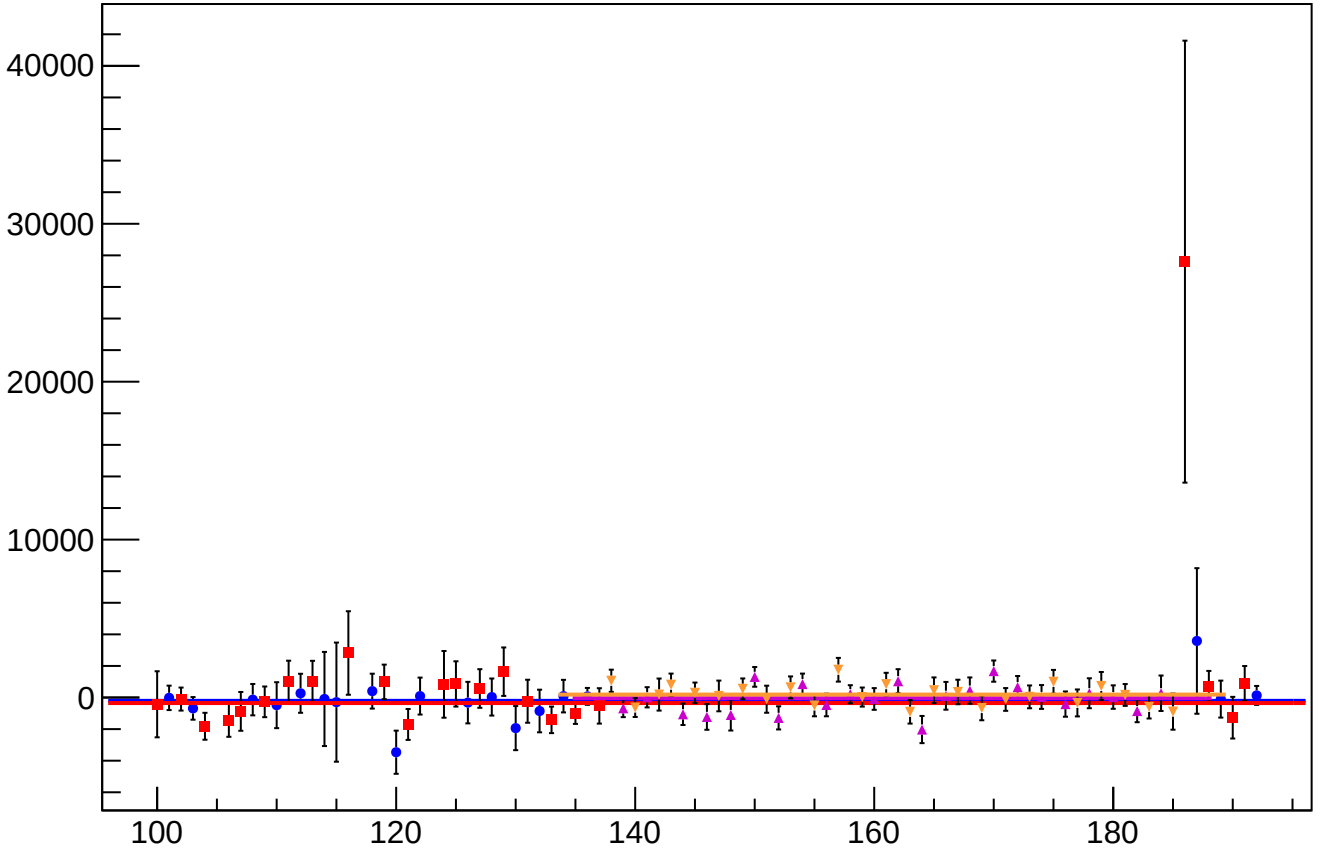
Right: 91.304+/-0.015 χ^2/NDF: 737247.5/41

In: 102.015+/-0.014 χ^2/NDF:834782.8/41

Out: 100.412+/-0.013 χ^2/NDF:1427638.0/47

All: 101.183+/-0.010 χ^2/NDF: 2269296.0/89

asym_sam_15_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -349.748+/-232.343 χ^2/NDF: 24.2/22

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

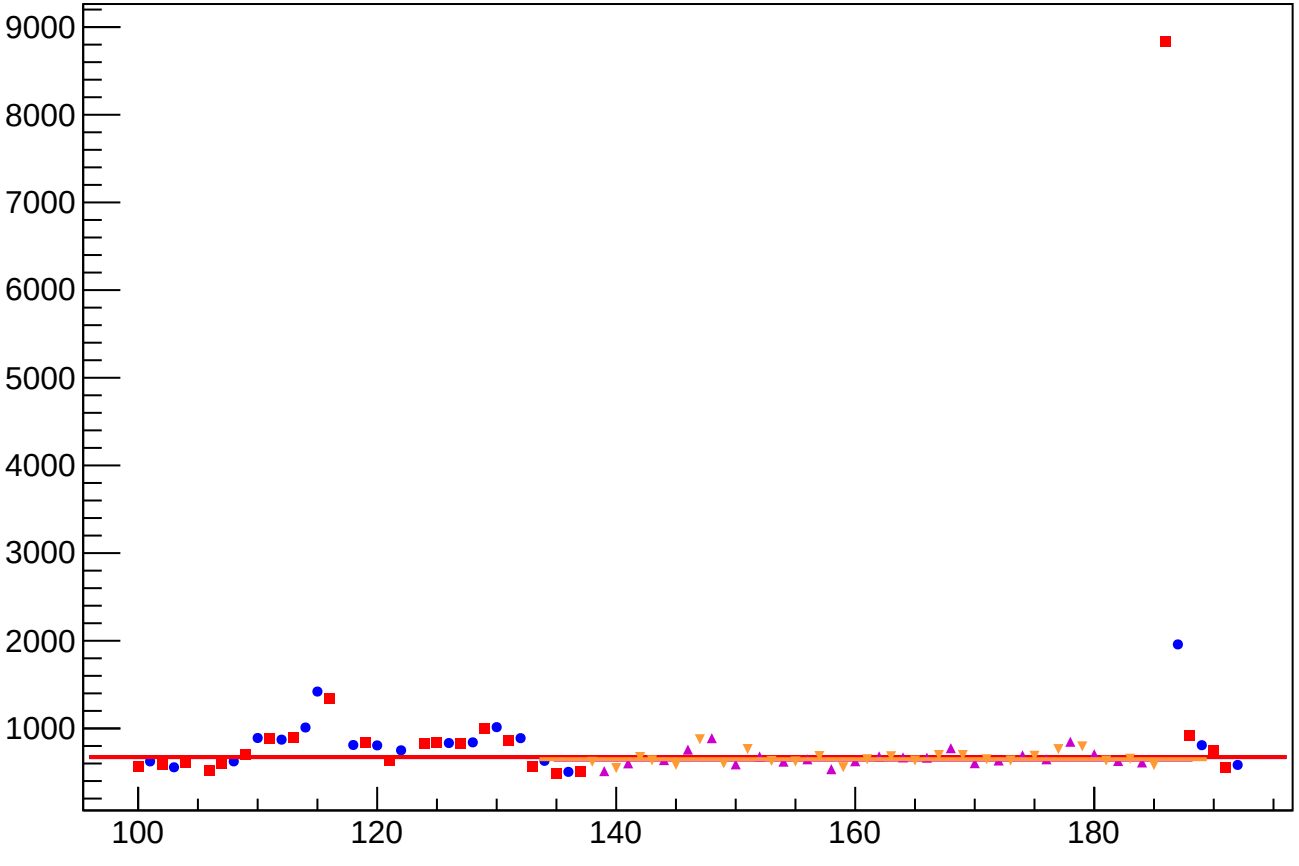
Right: -280.406+/-164.597 χ^2/NDF: 34.3/41

In: -93.158+/-127.375 χ^2/NDF:44.0/41

Out: 30.464+/-125.317 χ^2/NDF:47.0/47

All: -30.340+/-89.331 χ^2/NDF: 91.5/89

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: 673.901+/-0.164 χ^2/NDF: 1647422.5/22

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

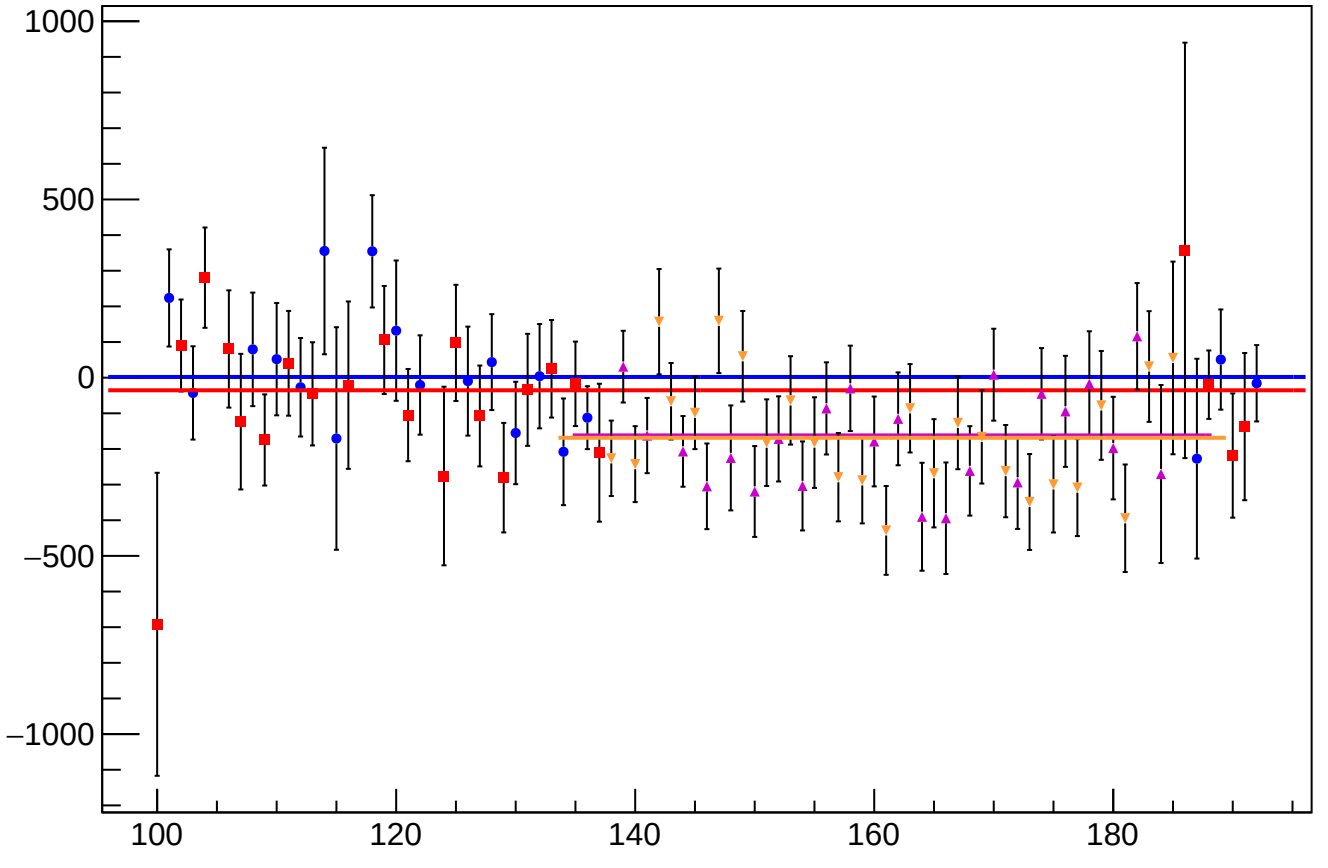
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 673.470+/-0.116 χ^2/NDF: 2643247.6/41

In: 652.712+/-0.090 χ^2/NDF:1576578.4/41

Out: 656.378+/-0.089 χ^2/NDF:2081831.4/47

All: 654.575+/-0.063 χ^2/NDF: 3659251.4/89



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: -35.389+/-32.227 χ^2/NDF: 19.0/22

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

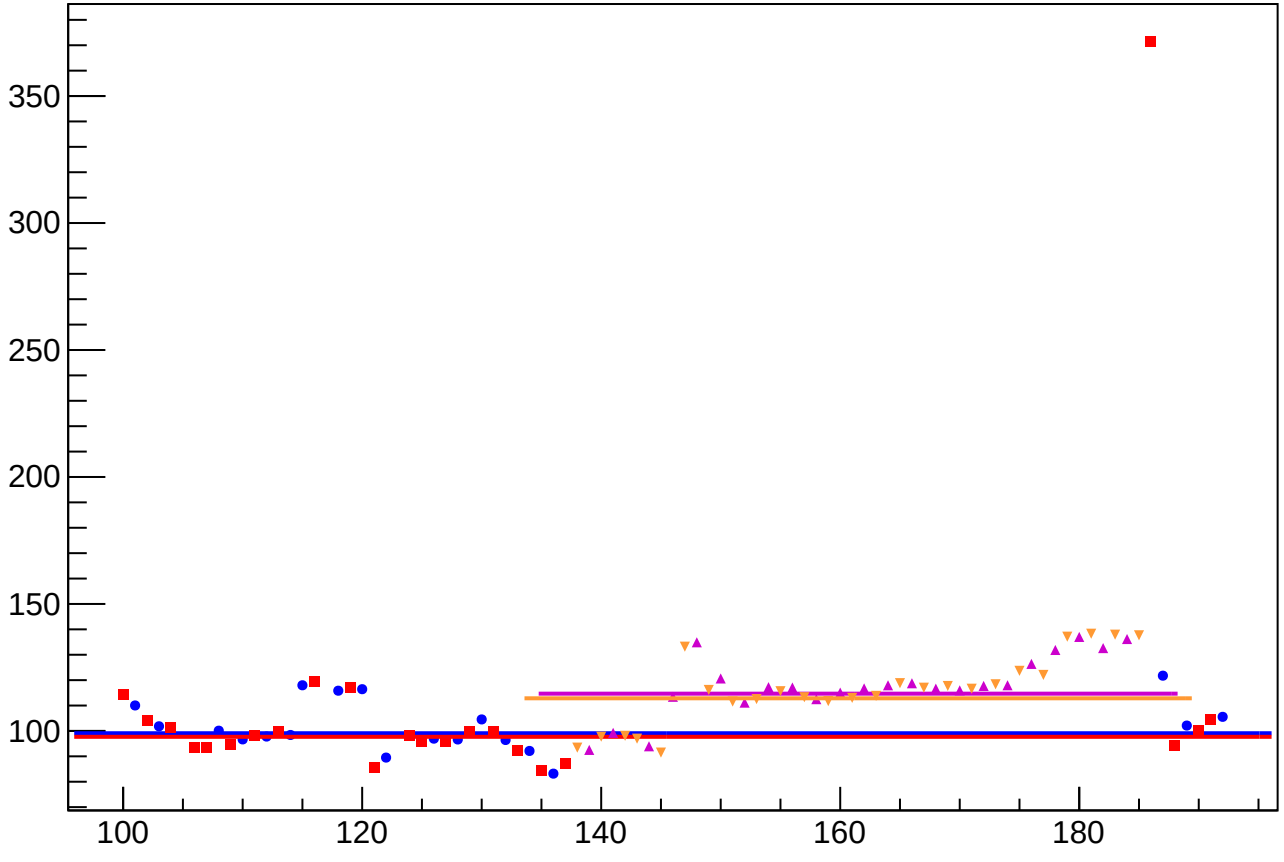
Right: -17.329+/-23.165 χ^2/NDF: 35.8/41

In: -97.175+/-20.953 χ^2/NDF:54.4/41

Out: -116.544+/-20.150 χ^2/NDF:61.7/47

All: -107.238+/-14.524 χ^2/NDF: 116.6/89

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: 97.686+/-0.023 χ^2/NDF: 562751.5/22

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

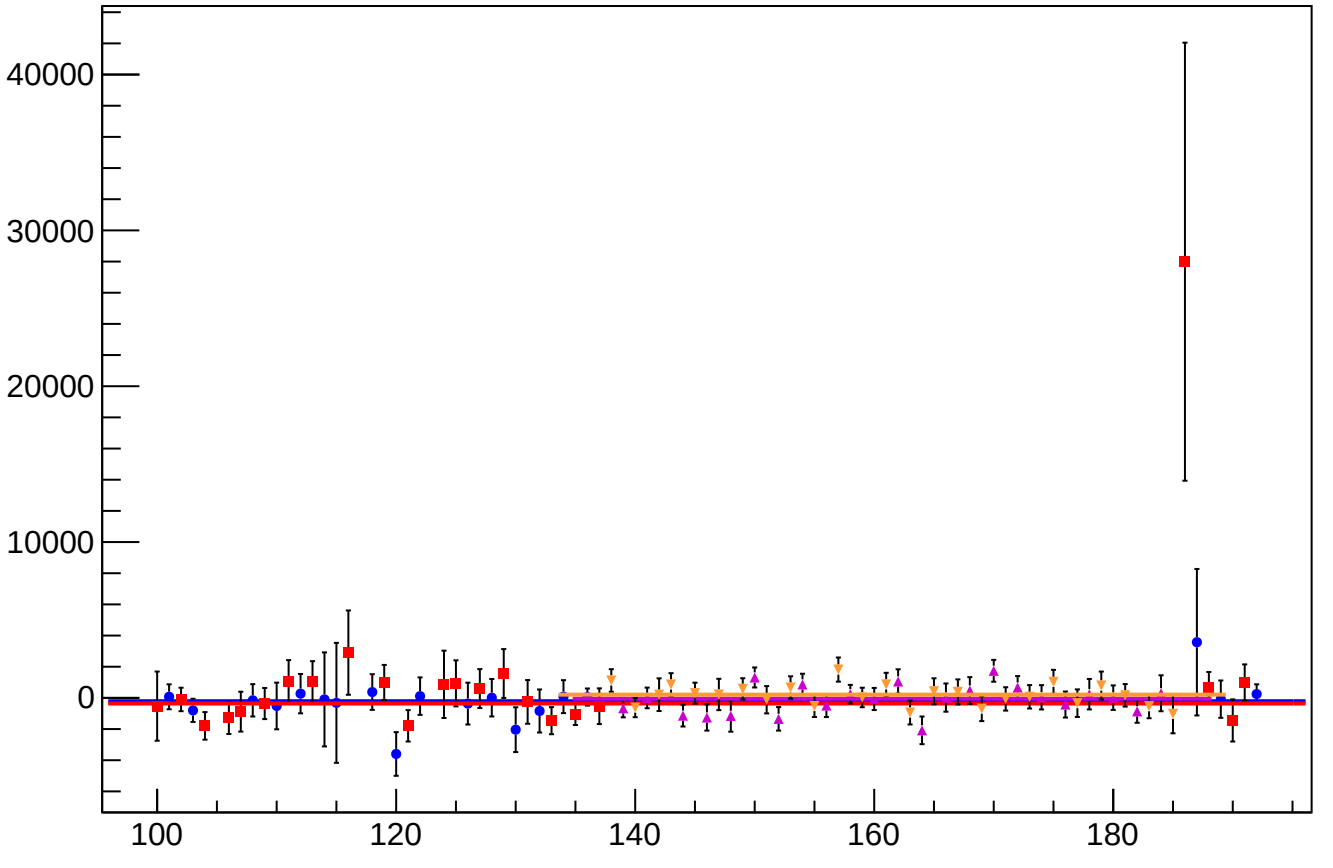
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 98.367+/-0.016 χ^2/NDF: 729212.1/41

In: 108.515+/-0.015 χ^2/NDF:839001.5/41

Out: 106.922+/-0.014 χ^2/NDF:1344689.0/47

All: 107.687+/-0.010 χ^2/NDF: 2189700.6/89



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: -360.001+/-239.063 χ^2/NDF: 23.8/22

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

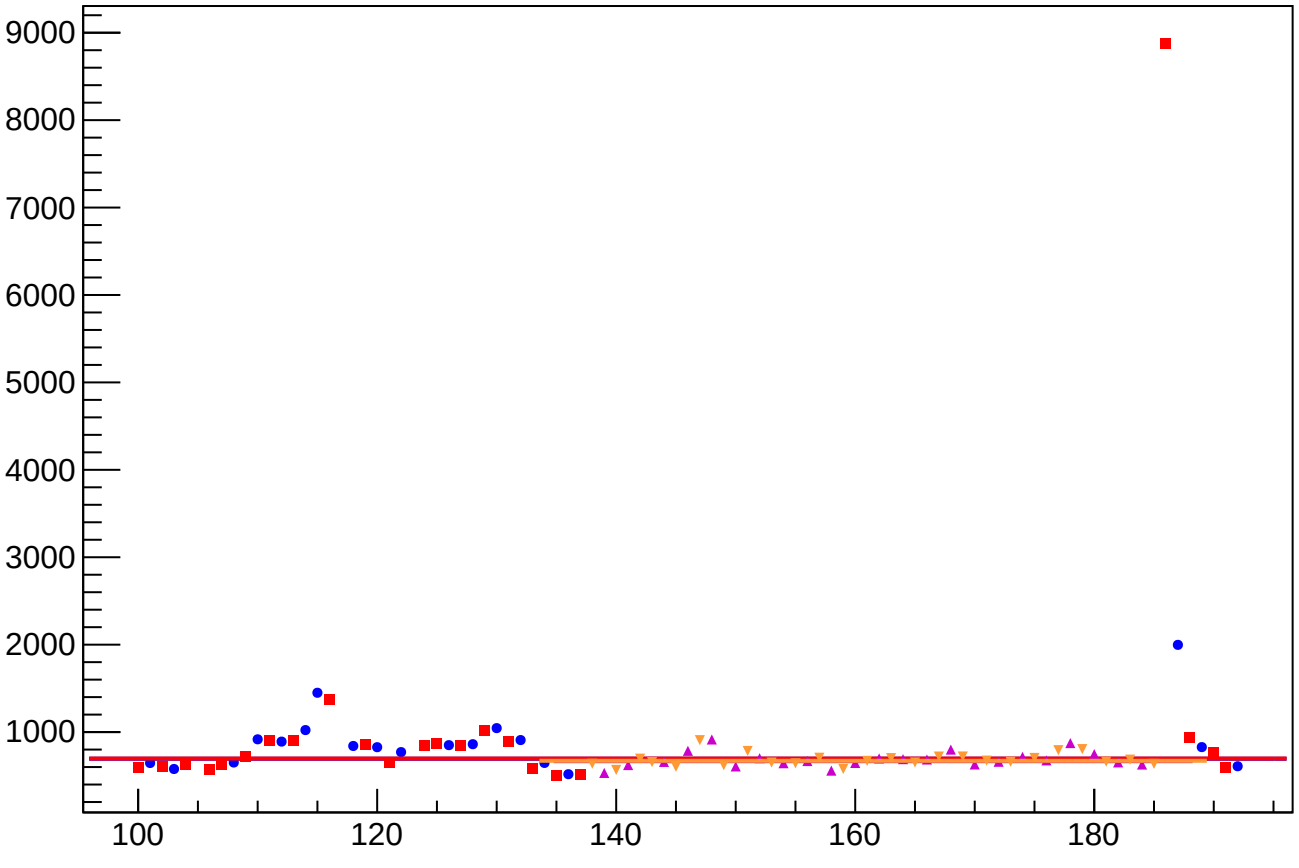
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -287.103+/-169.572 χ^2/NDF: 34.5/41

In: -99.171+/-131.762 χ^2/NDF:44.1/41

Out: 42.509+/-129.419 χ^2/NDF:46.7/47

All: -27.060+/-92.330 χ^2/NDF: 91.4/89



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: 697.247+/-0.169 χ^2/NDF: 1593134.3/22

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

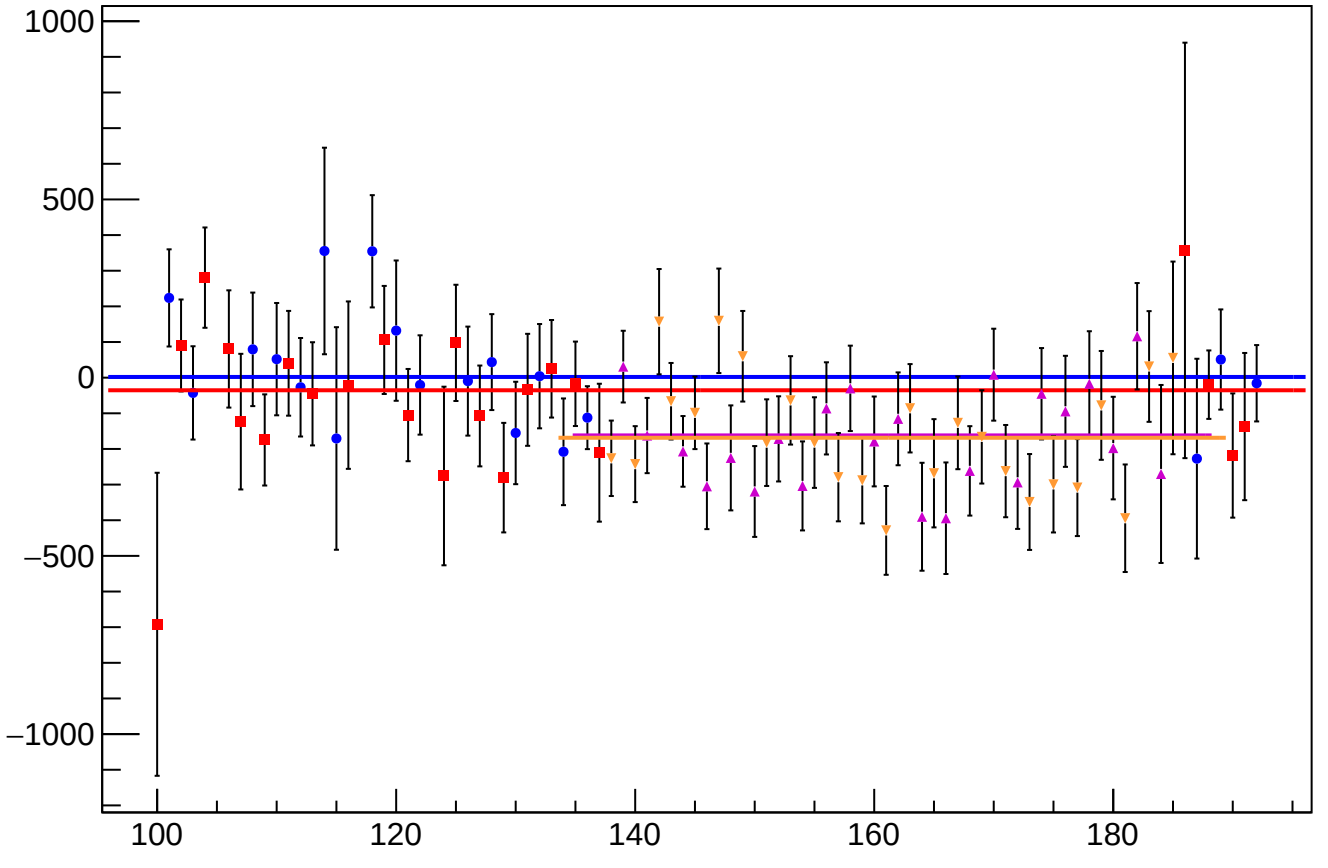
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 696.177+/-0.120 χ^2/NDF: 2563670.0/41

In: 675.667+/-0.093 χ^2/NDF:1535992.4/41

Out: 679.292+/-0.092 χ^2/NDF:2008252.3/47

All: 677.512+/-0.065 χ^2/NDF: 3545015.0/89



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: -35.390+/-32.227 χ^2/NDF: 19.0/22

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

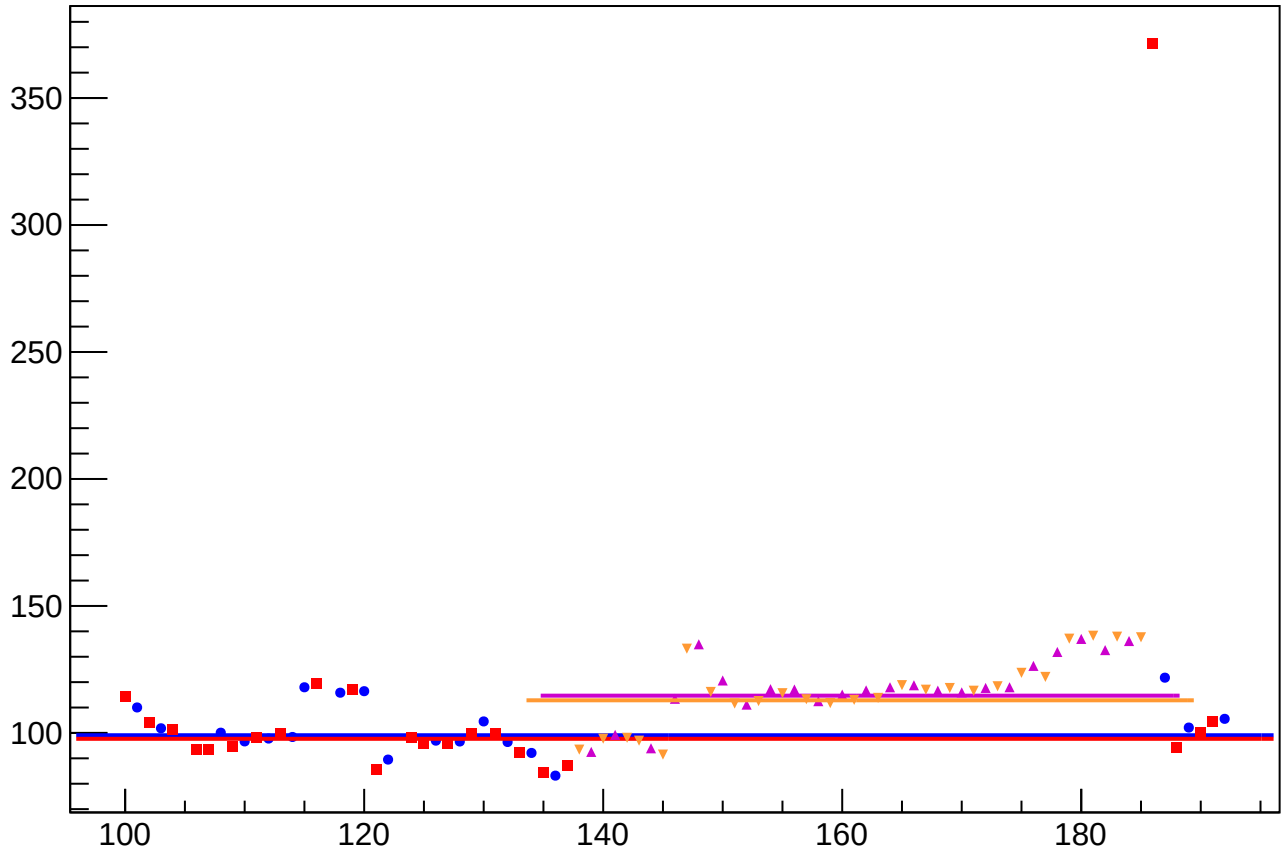
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -17.329+/-23.165 χ^2/NDF: 35.8/41

In: -97.174+/-20.953 χ^2/NDF:54.4/41

Out: -116.544+/-20.150 χ^2/NDF:61.7/47

All: -107.238+/-14.524 χ^2/NDF: 116.6/89



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: 97.686+/-0.023 χ^2/NDF: 562749.5/22

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

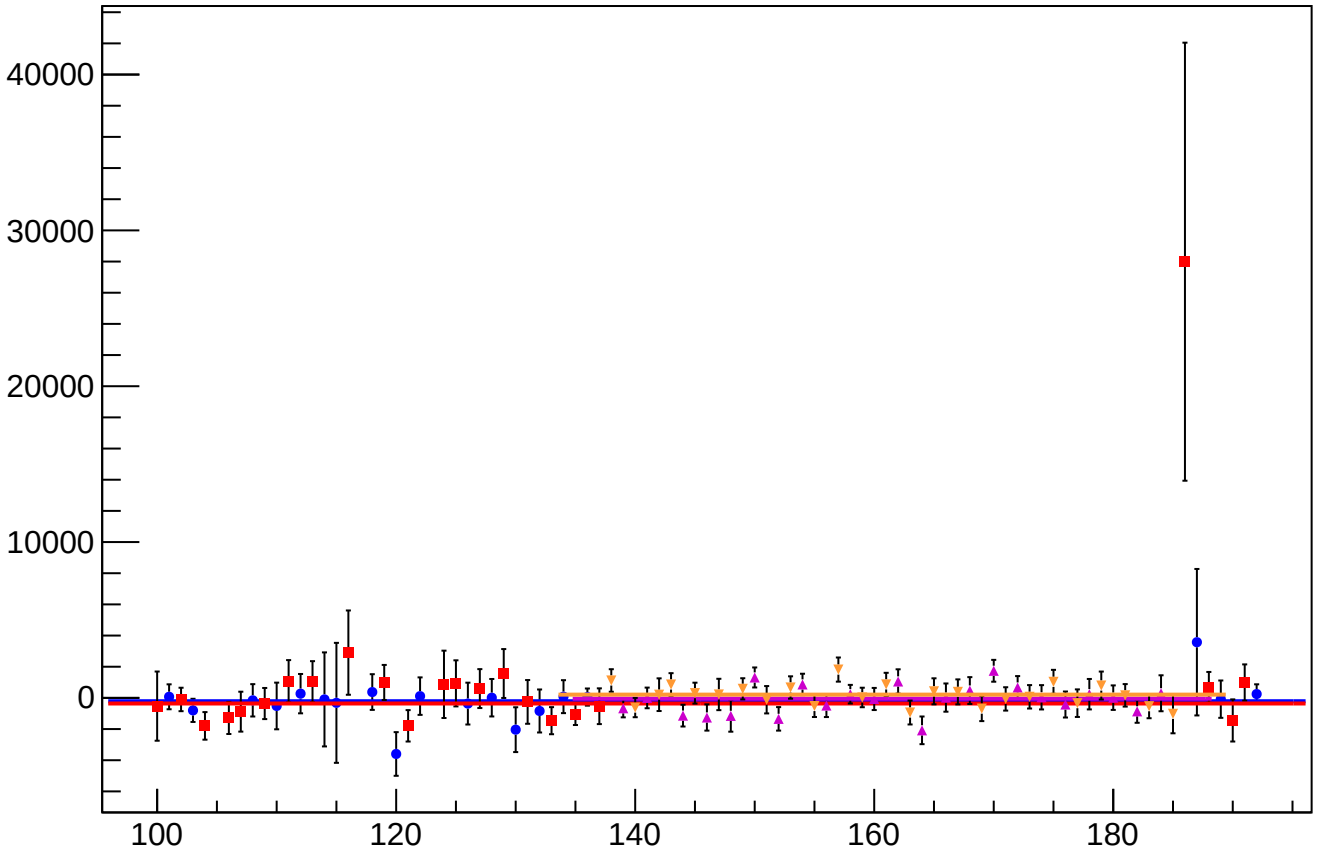
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 98.367+/-0.016 χ^2/NDF: 729213.7/41

In: 108.515+/-0.015 χ^2/NDF:839011.4/41

Out: 106.921+/-0.014 χ^2/NDF:1344690.1/47

All: 107.687+/-0.010 χ^2/NDF: 2189712.0/89



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: -360.001+/-239.063 χ^2/NDF: 23.8/22

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

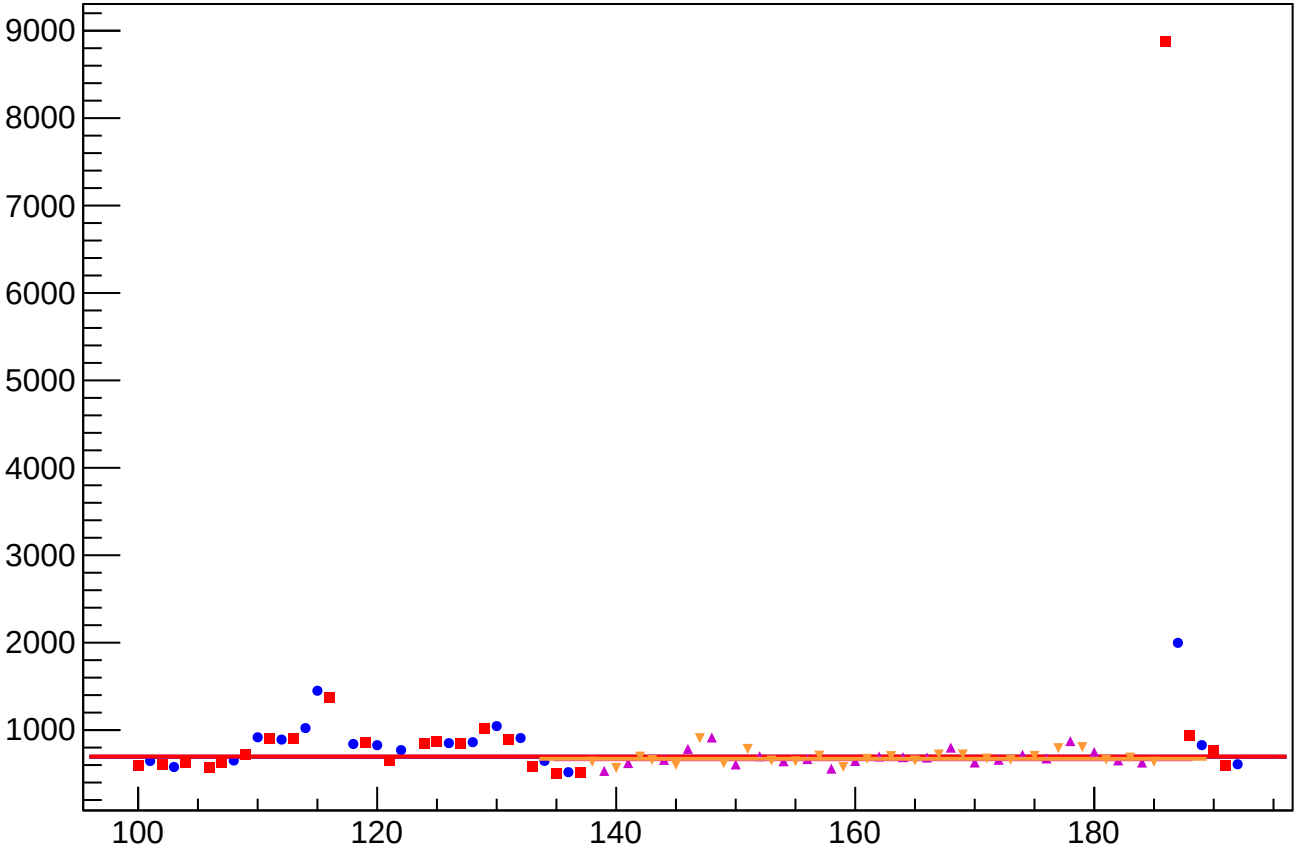
Right: -287.103+/-169.572 χ^2/NDF: 34.5/41

In: -99.172+/-131.762 χ^2/NDF:44.1/41

Out: 42.508+/-129.419 χ^2/NDF:46.7/47

All: -27.061+/-92.330 χ^2/NDF: 91.4/89

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: 697.245+/-0.169 χ^2/NDF: 1593141.0/22

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

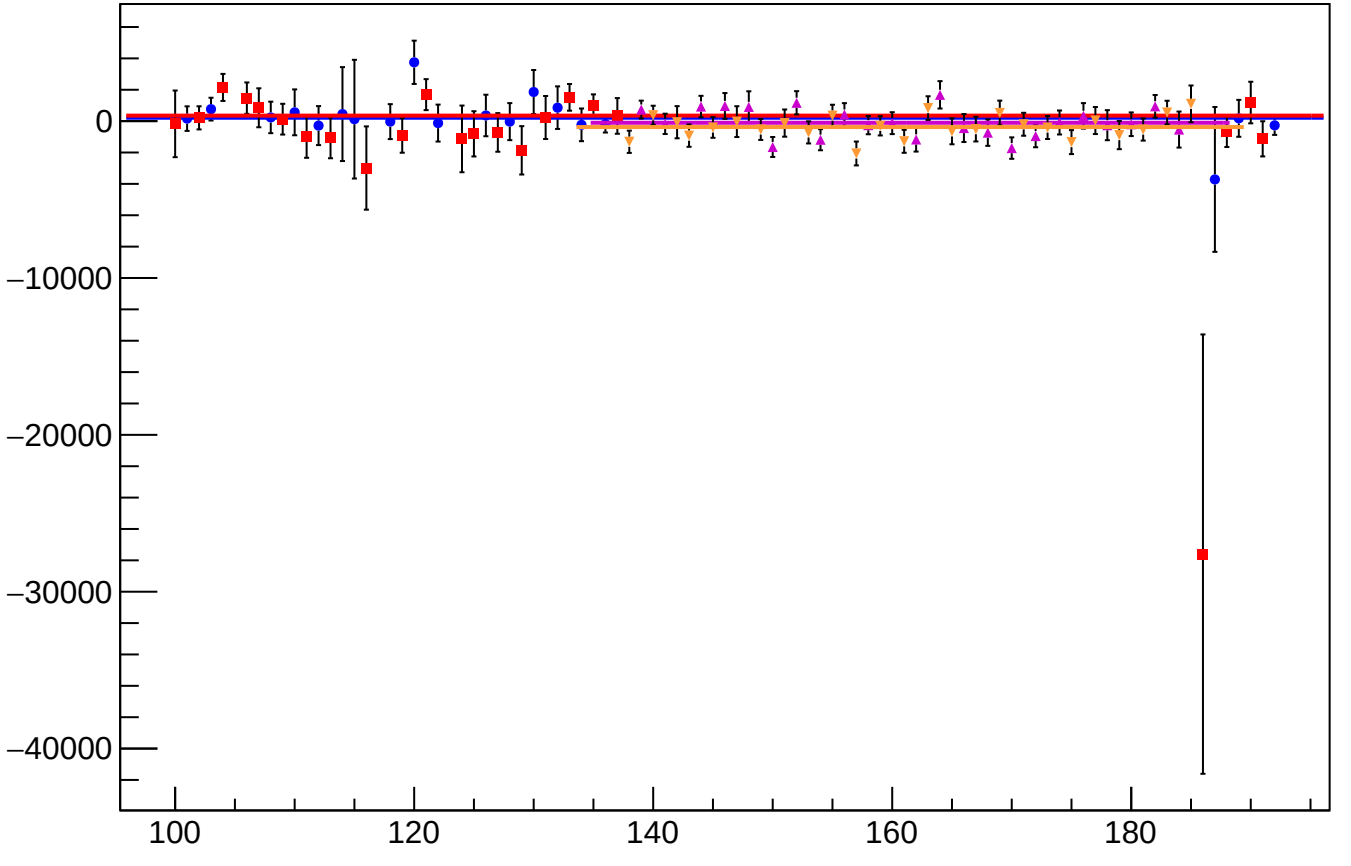
Right: 696.176+/-0.120 χ^2/NDF: 2563679.5/41

In: 675.667+/-0.093 χ^2/NDF:1535995.2/41

Out: 679.292+/-0.092 χ^2/NDF:2008256.8/47

All: 677.512+/-0.065 χ^2/NDF: 3545022.4/89

asym_sam_15_dd_mean vs Slug, Sign Corrected



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: 351.125+/-234.033 χ^2/NDF: 26.9/22

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

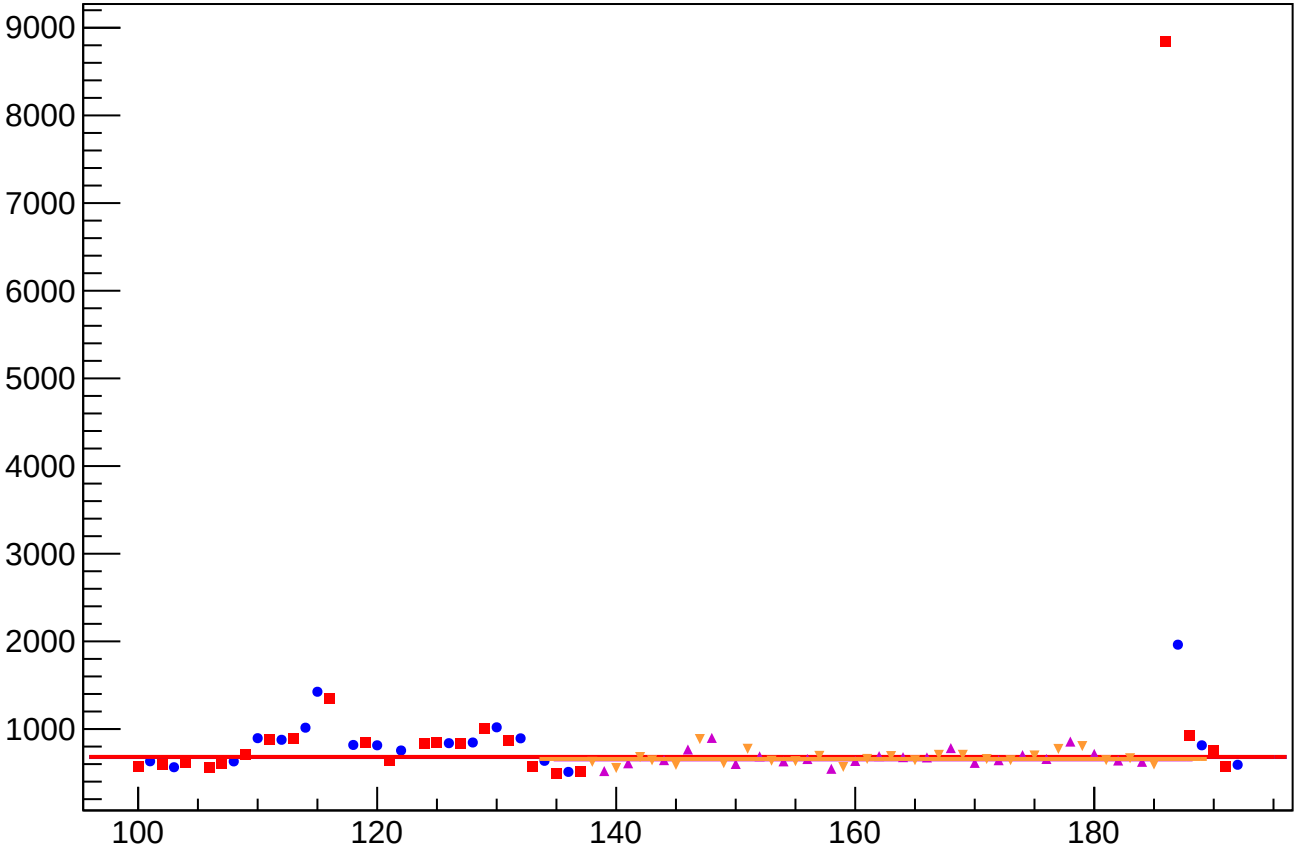
Right: 284.917+/-166.061 χ^2/NDF: 38.3/41

In: -6.943+/-129.112 χ^2/NDF:48.1/41

Out: -163.234+/-126.853 χ^2/NDF:55.1/47

All: -86.467+/-90.487 χ^2/NDF: 103.9/89

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: 682.086+/-0.165 χ^2/NDF: 1611658.3/22

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

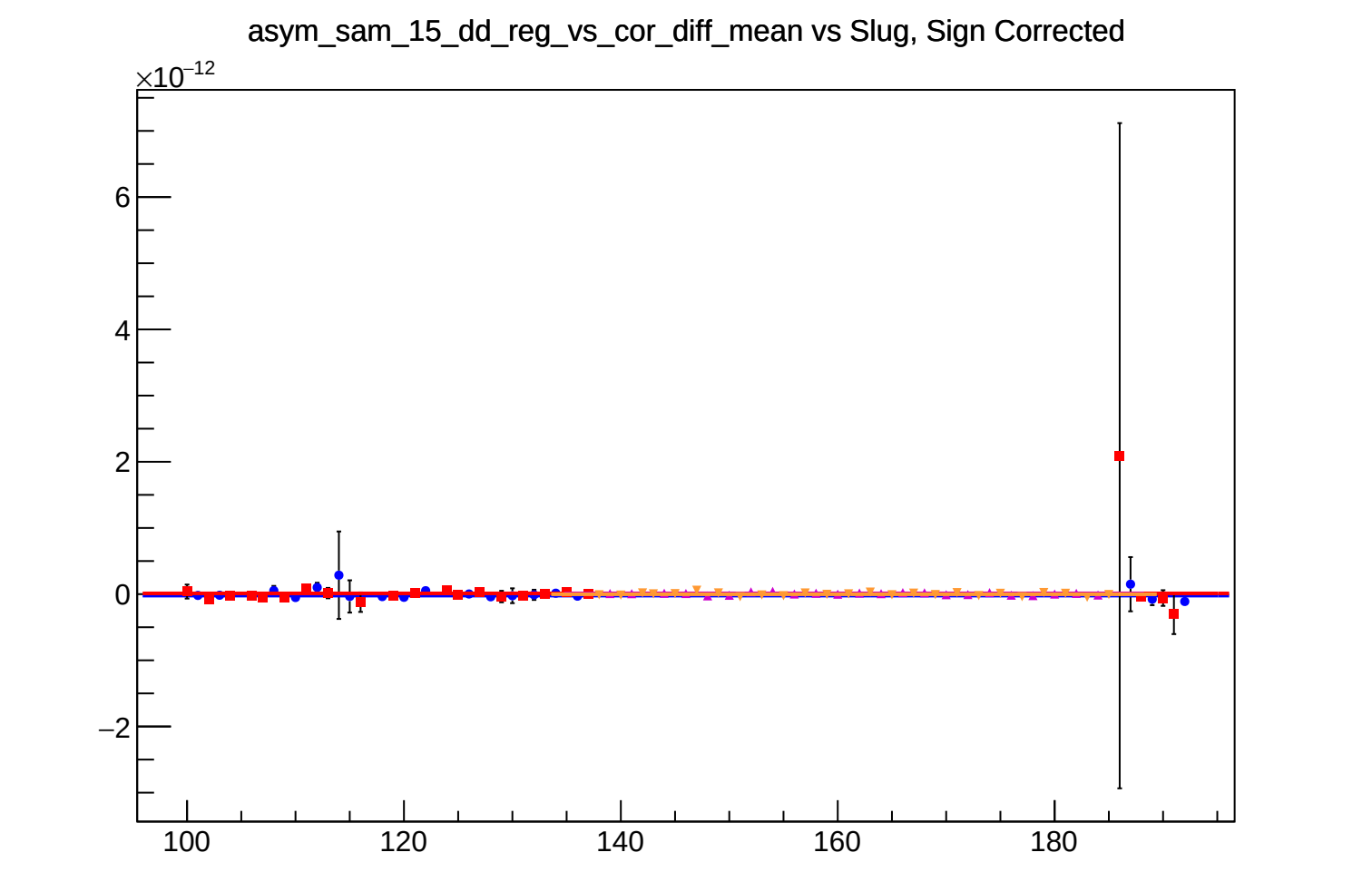
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 681.394+/-0.117 χ^2/NDF: 2584202.4/41

In: 661.977+/-0.091 χ^2/NDF:1532610.0/41

Out: 665.551+/-0.090 χ^2/NDF:2035479.5/47

All: 663.795+/-0.064 χ^2/NDF: 3568869.5/89



Right In: -0.000+/-0.000 χ^2/NDF: 12.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/22

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

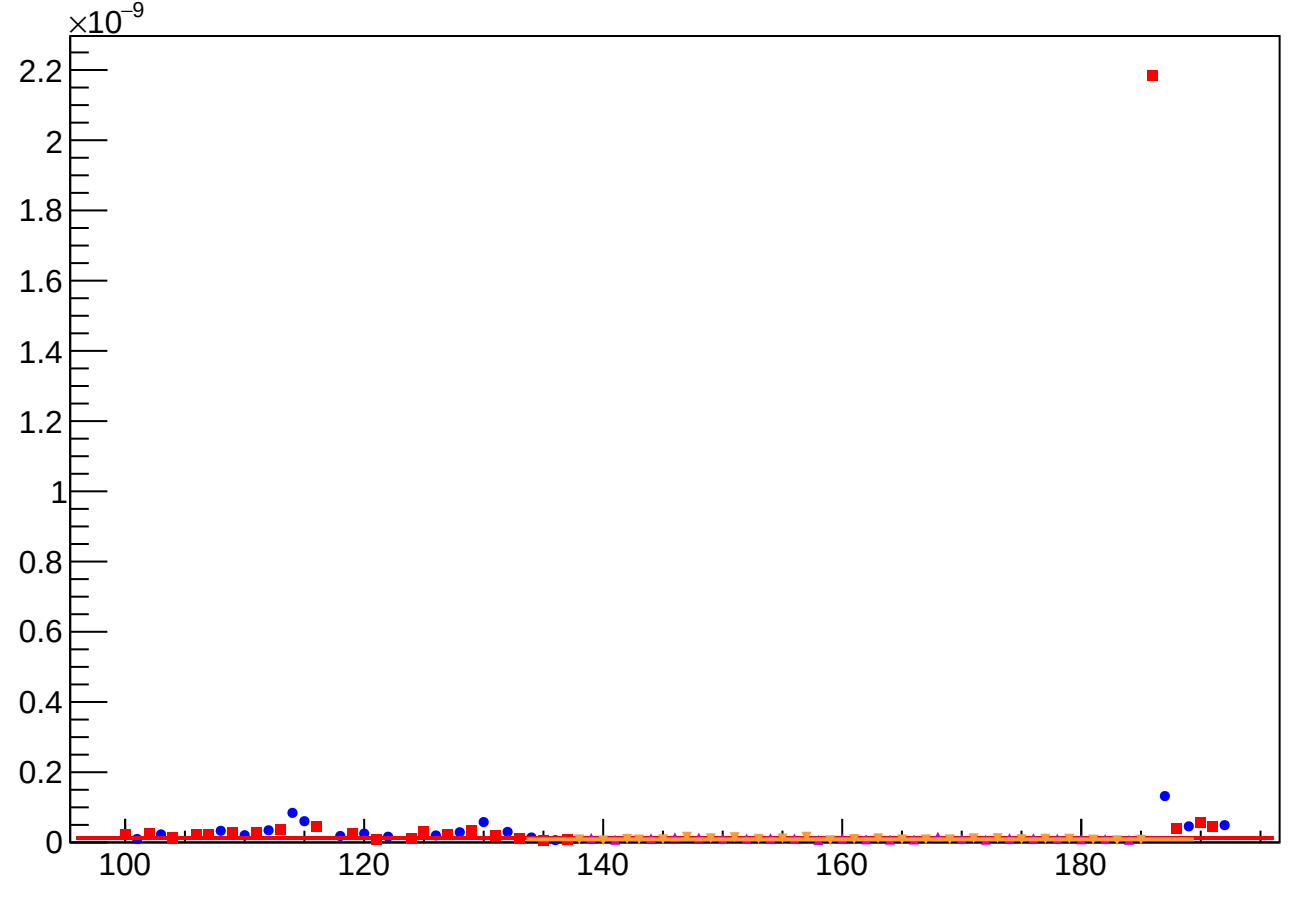
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 40.6/41

In: 0.000+/-0.000 χ^2/NDF:39.8/41

Out: 0.000+/-0.000 χ^2/NDF:53.4/47

All: 0.000+/-0.000 χ^2/NDF: 93.3/89



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: 3273307.1/22

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

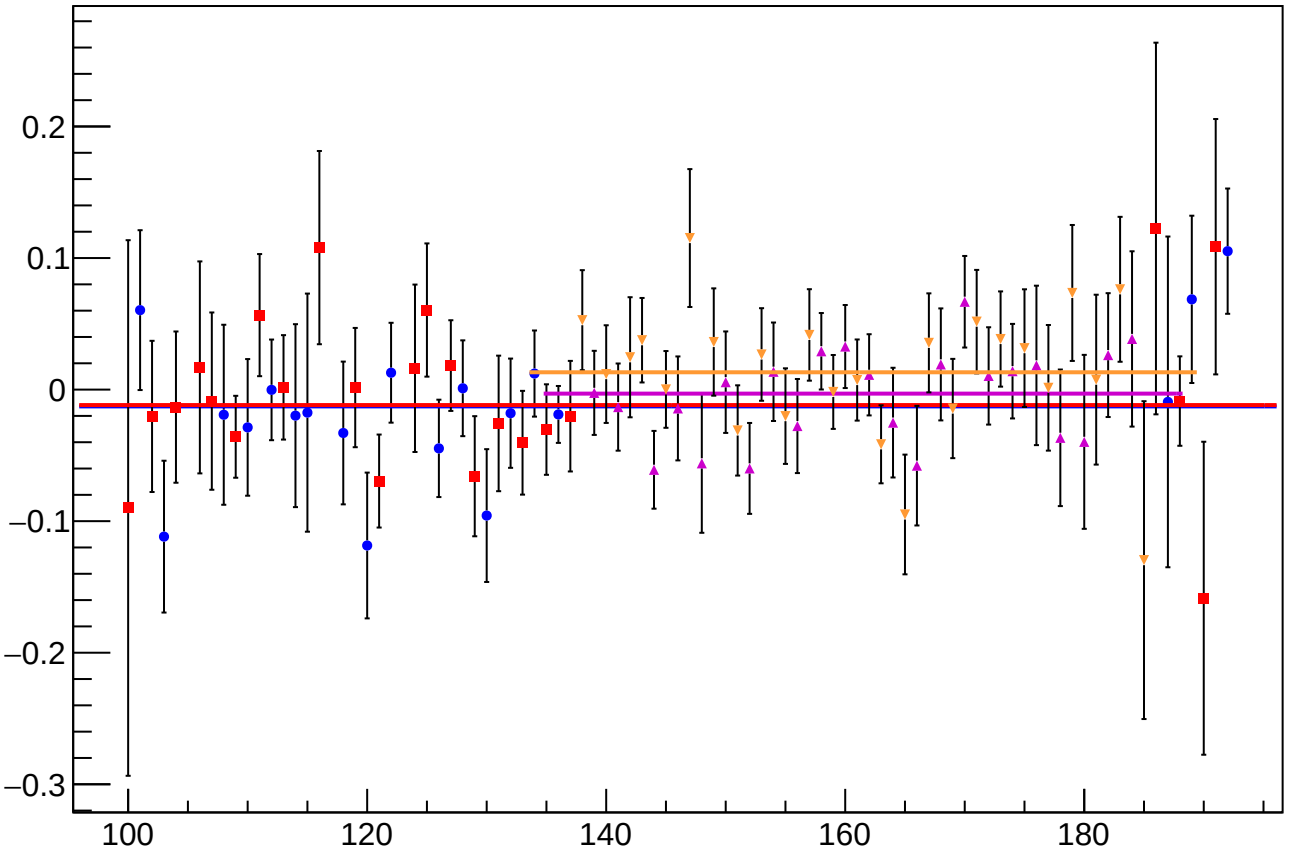
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 6462208.3/41

In: 0.000+/-0.000 χ^2/NDF:3992676.5/41

Out: 0.000+/-0.000 χ^2/NDF:4674441.3/47

All: 0.000+/-0.000 χ^2/NDF: 8779173.8/89



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: -0.012+/-0.010 χ^2/NDF: 17.9/22

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

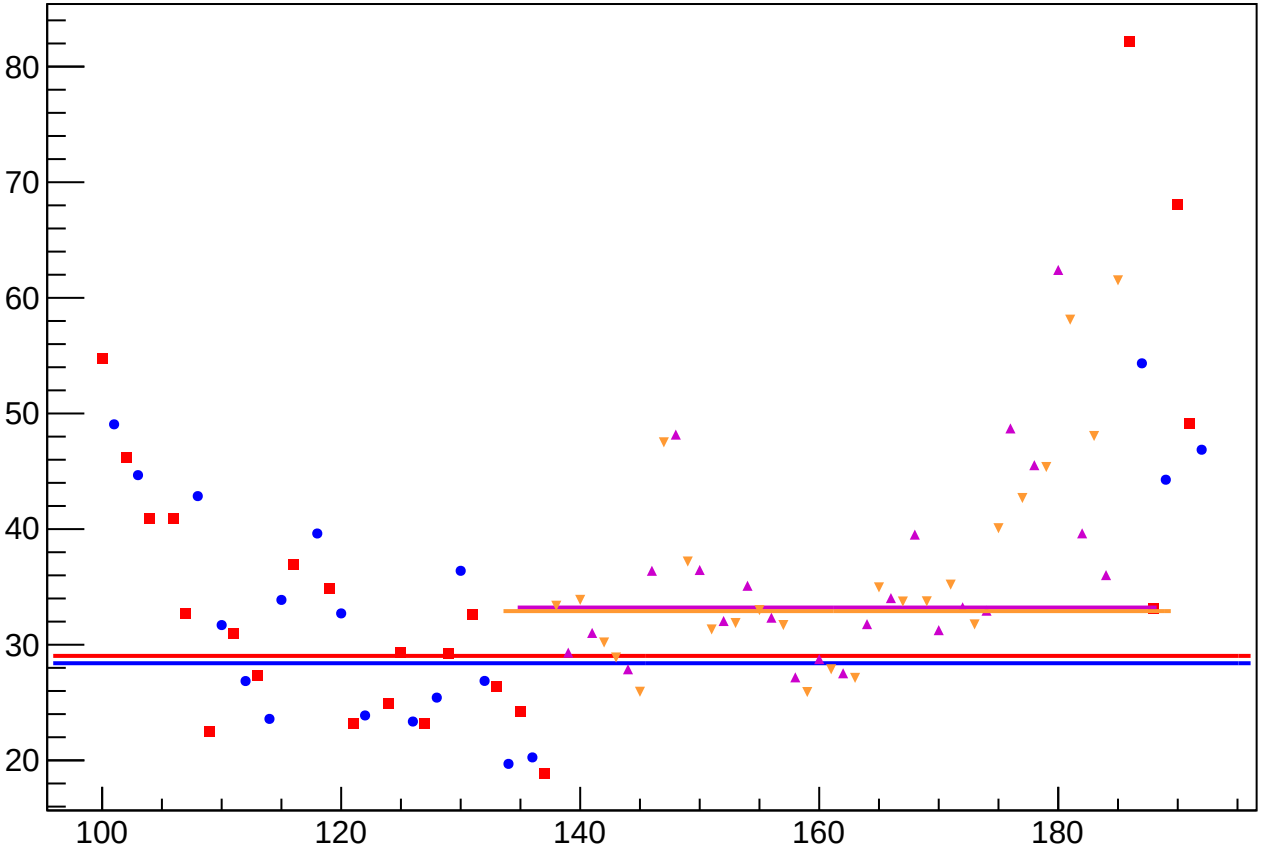
Right: -0.012+/-0.007 χ^2/NDF: 38.8/41

In: -0.007+/-0.006 χ^2/NDF:40.7/41

Out: 0.004+/-0.006 χ^2/NDF:47.2/47

All: -0.001+/-0.004 χ^2/NDF: 89.3/89

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: 29.035+/-0.007 χ^2/NDF: 1402891.4/22

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

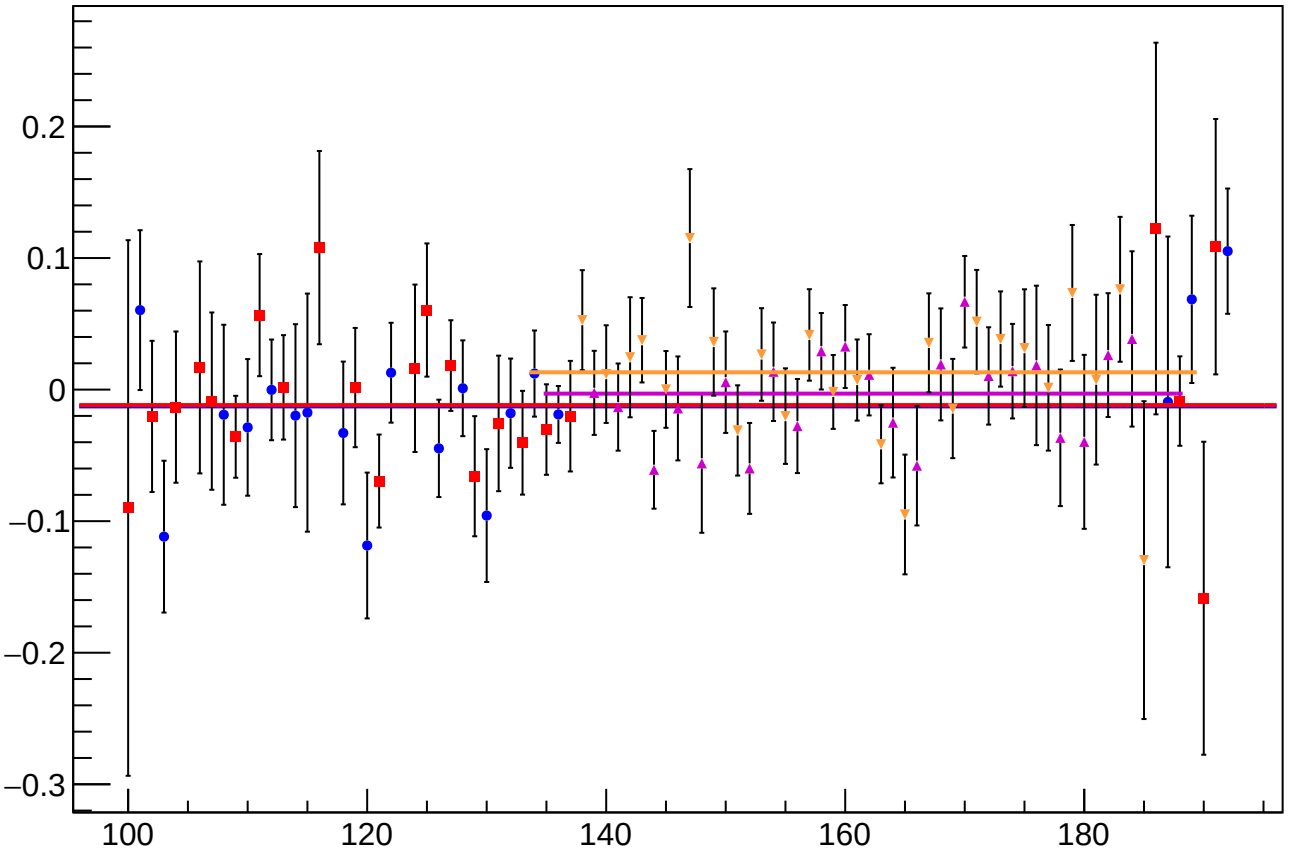
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 28.722+/-0.005 χ^2/NDF: 3079537.1/41

In: 31.370+/-0.004 χ^2/NDF:3174622.8/41

Out: 31.463+/-0.004 χ^2/NDF:3020553.3/47

All: 31.418+/-0.003 χ^2/NDF: 6195402.6/89



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: -0.012+/-0.010 χ^2/NDF: 17.9/22

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

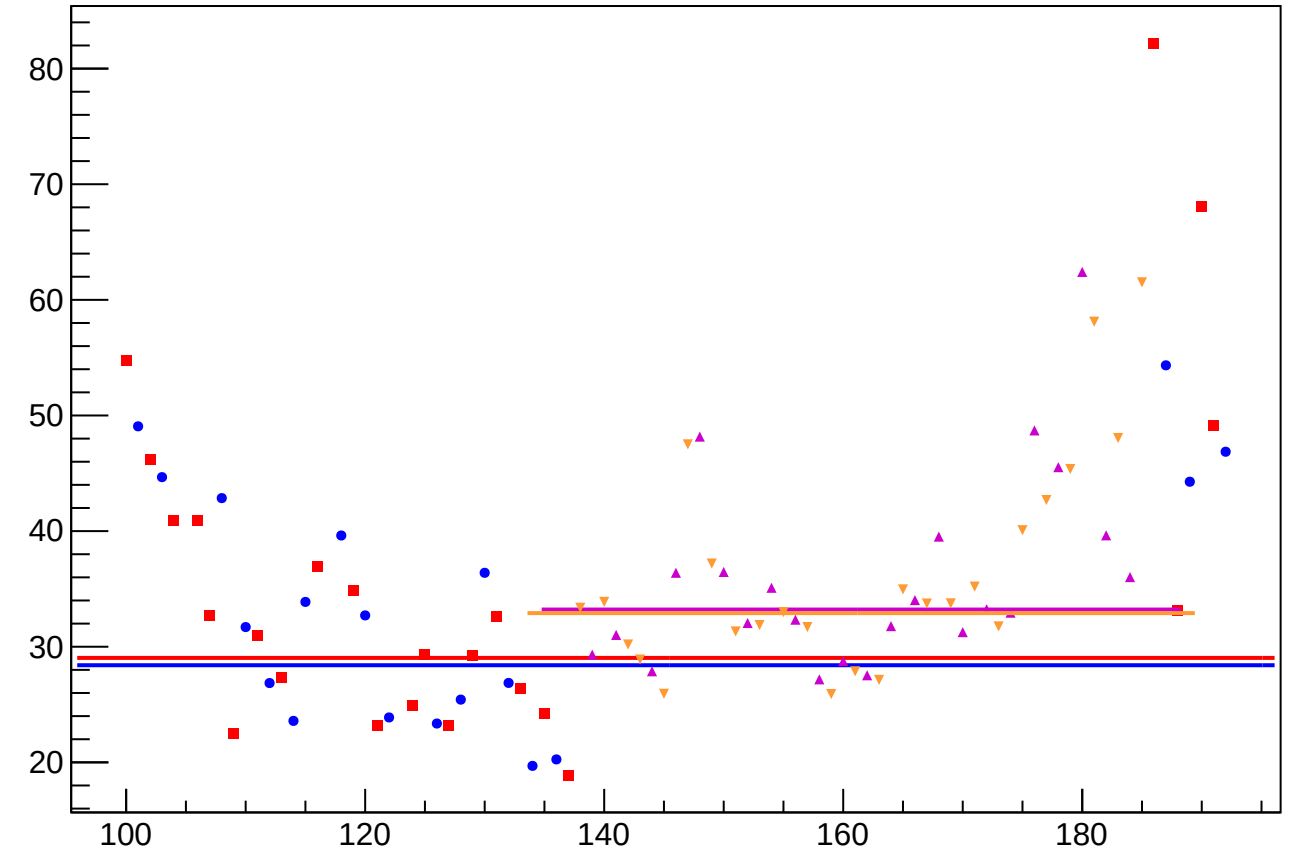
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.012+/-0.007 χ^2/NDF: 38.8/41

In: -0.007+/-0.006 χ^2/NDF:40.7/41

Out: 0.004+/-0.006 χ^2/NDF:47.2/47

All: -0.001+/-0.004 χ^2/NDF: 89.3/89



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: 29.035+/-0.007 χ^2/NDF: 1402891.4/22

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

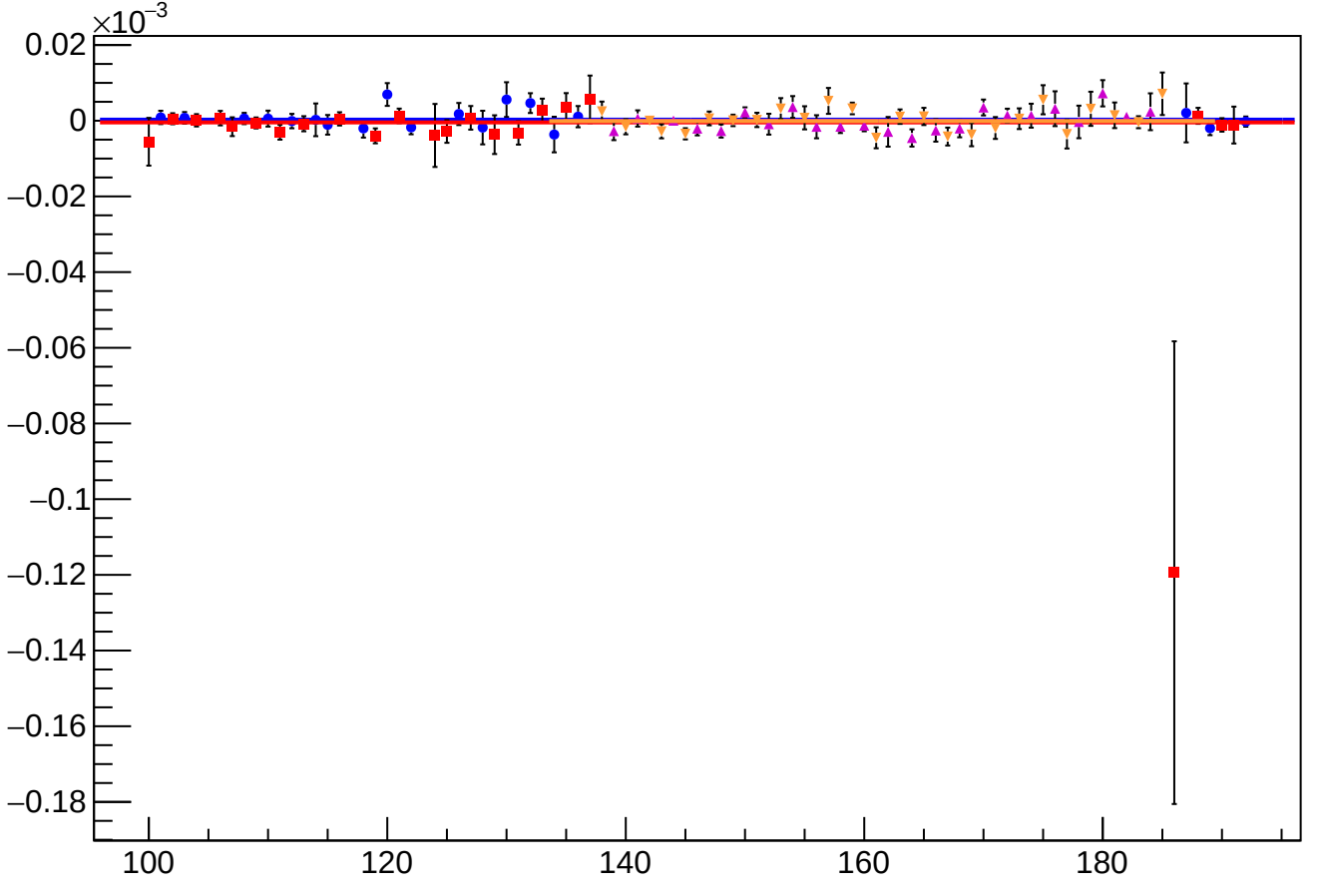
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 28.722+/-0.005 χ^2/NDF: 3079537.1/41

In: 31.370+/-0.004 χ^2/NDF:3174622.8/41

Out: 31.463+/-0.004 χ^2/NDF:3020553.3/47

All: 31.418+/-0.003 χ^2/NDF: 6195402.6/89



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: 17.8/22

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

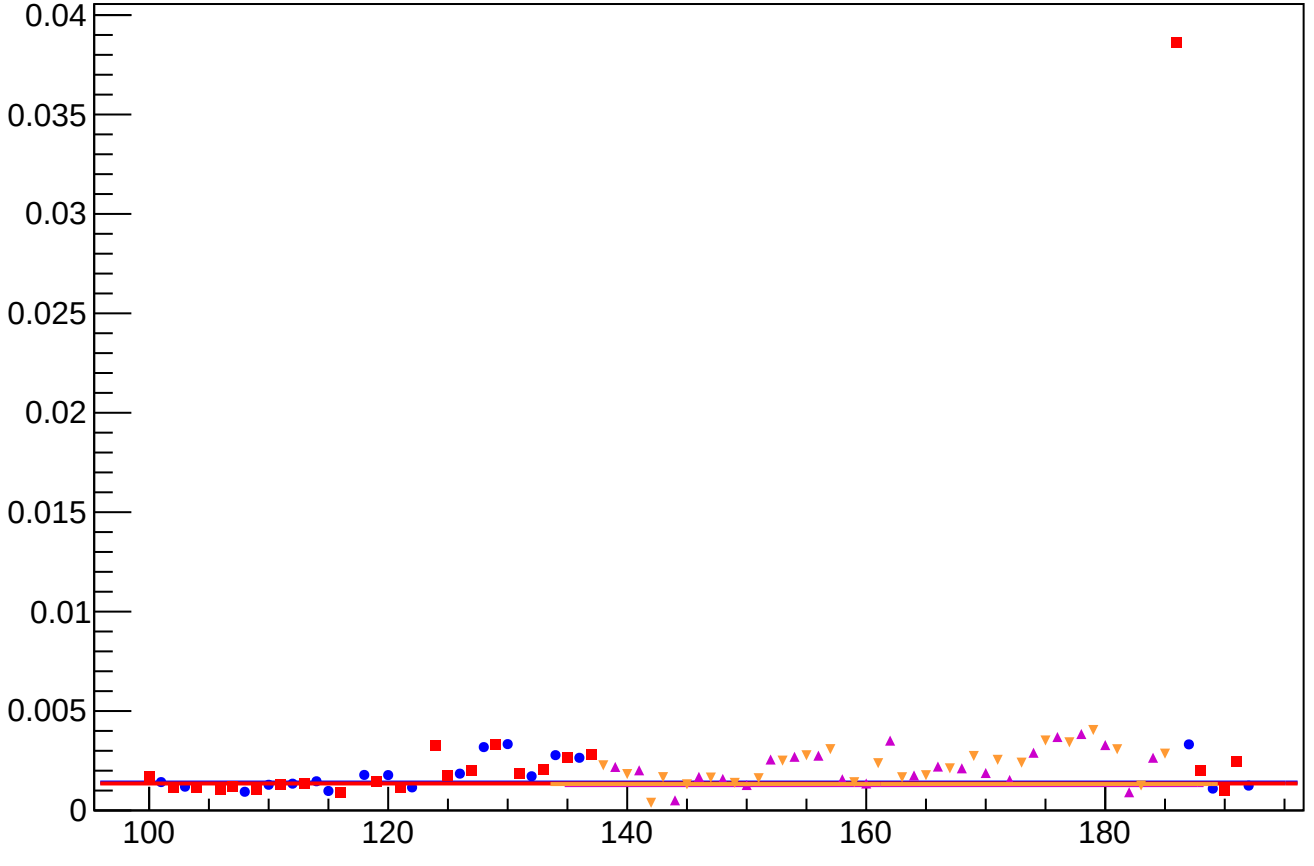
Right: -0.000+/-0.000 χ^2/NDF: 33.6/41

In: 0.000+/-0.000 χ^2/NDF:41.9/41

Out: -0.000+/-0.000 χ^2/NDF:49.2/47

All: -0.000+/-0.000 χ^2/NDF: 91.6/89

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: 2532602.9/22

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

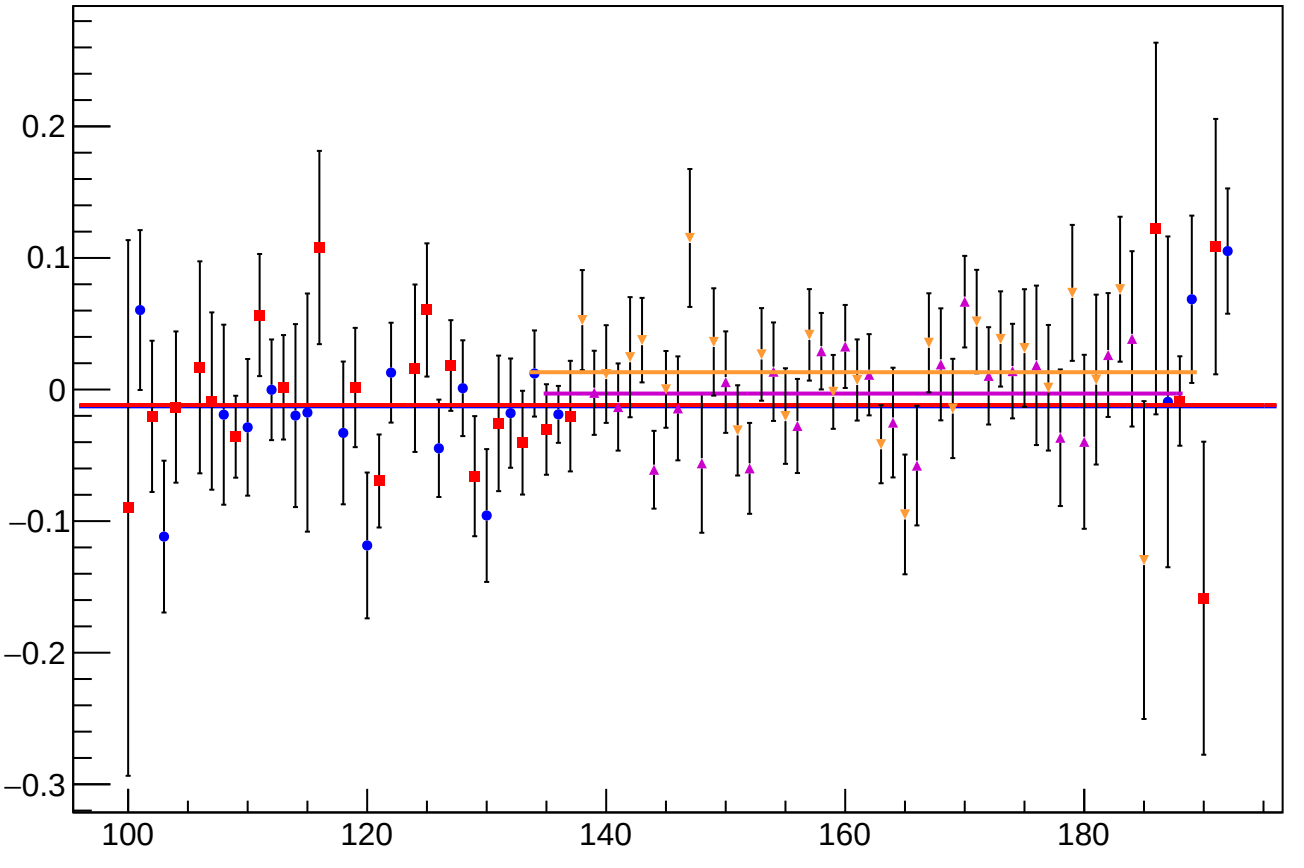
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 4469091.2/41

In: 0.001+/-0.000 χ^2/NDF:11894473.0/41

Out: 0.001+/-0.000 χ^2/NDF:13696950.8/47

All: 0.001+/-0.000 χ^2/NDF: 25596549.6/89



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: -0.012+/-0.010 χ^2/NDF: 17.9/22

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

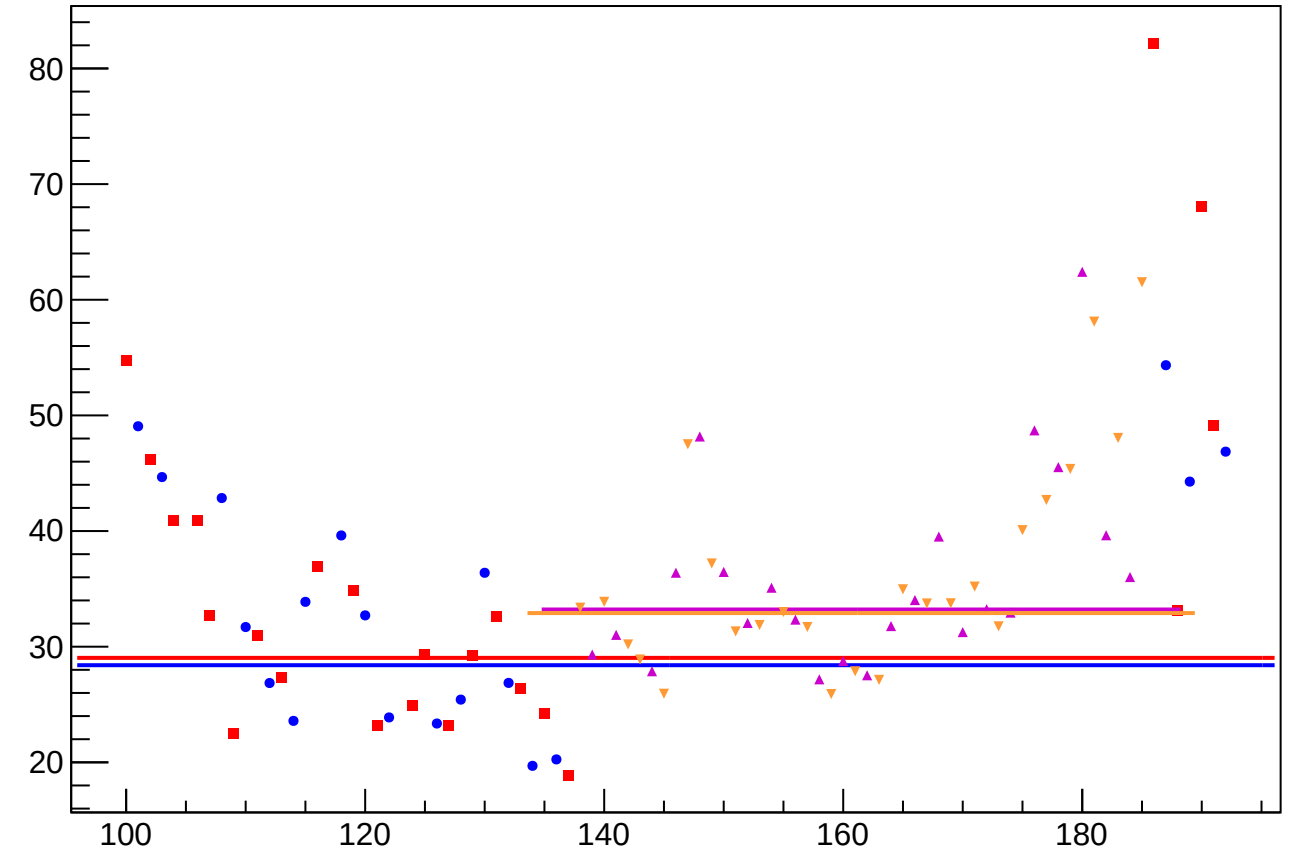
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.012+/-0.007 χ^2/NDF: 38.8/41

In: -0.007+/-0.006 χ^2/NDF:40.7/41

Out: 0.004+/-0.006 χ^2/NDF:47.2/47

All: -0.001+/-0.004 χ^2/NDF: 89.3/89



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: 29.033+/-0.007 χ^2/NDF: 1403010.7/22

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

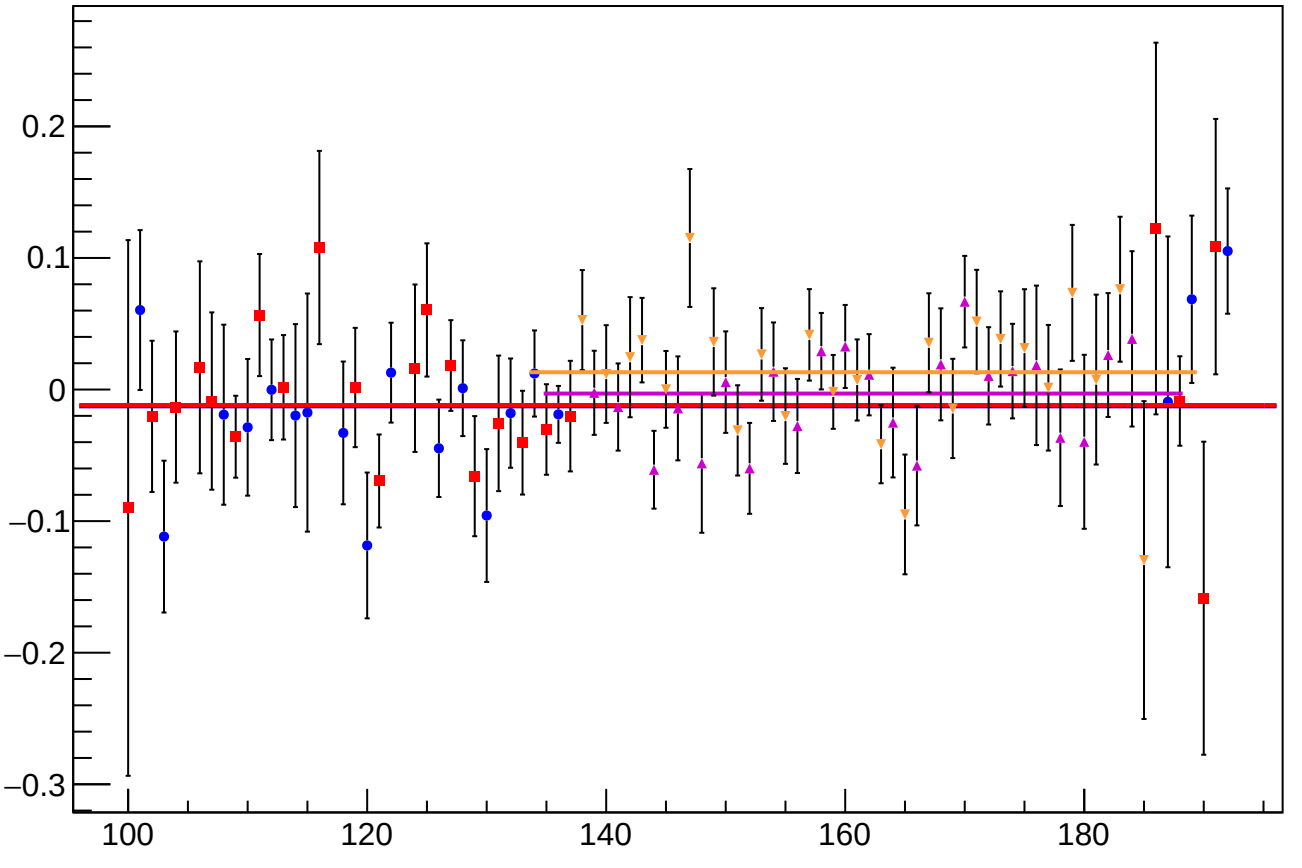
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 28.721+/-0.005 χ^2/NDF: 3079754.9/41

In: 31.370+/-0.004 χ^2/NDF:3174908.4/41

Out: 31.462+/-0.004 χ^2/NDF:3020864.3/47

All: 31.417+/-0.003 χ^2/NDF: 6195998.3/89



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: -0.012+/-0.010 χ^2/NDF: 17.9/22

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

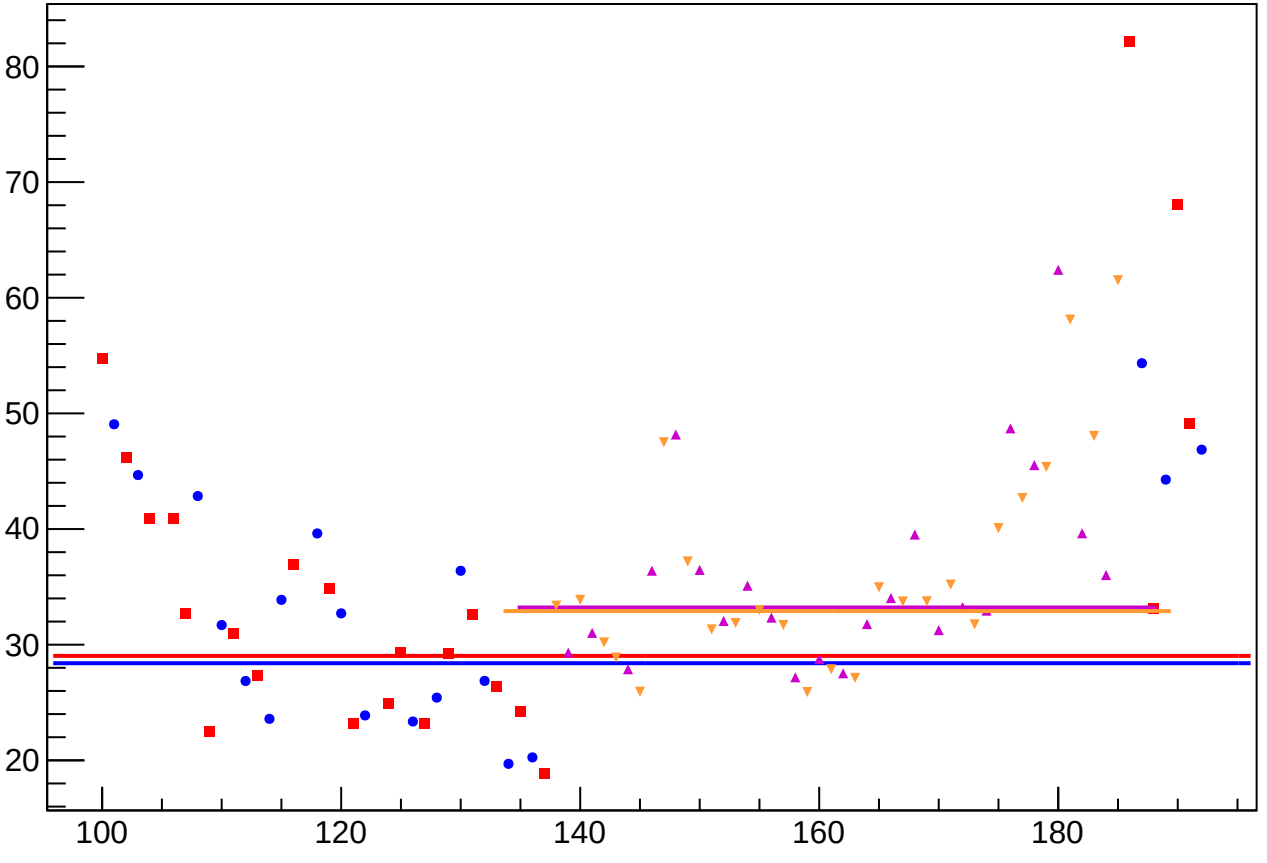
Right: -0.012+/-0.007 χ^2/NDF: 38.8/41

In: -0.007+/-0.006 χ^2/NDF:40.7/41

Out: 0.004+/-0.006 χ^2/NDF:47.2/47

All: -0.001+/-0.004 χ^2/NDF: 89.3/89

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: 29.033+/-0.007 χ^2/NDF: 1403010.7/22

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

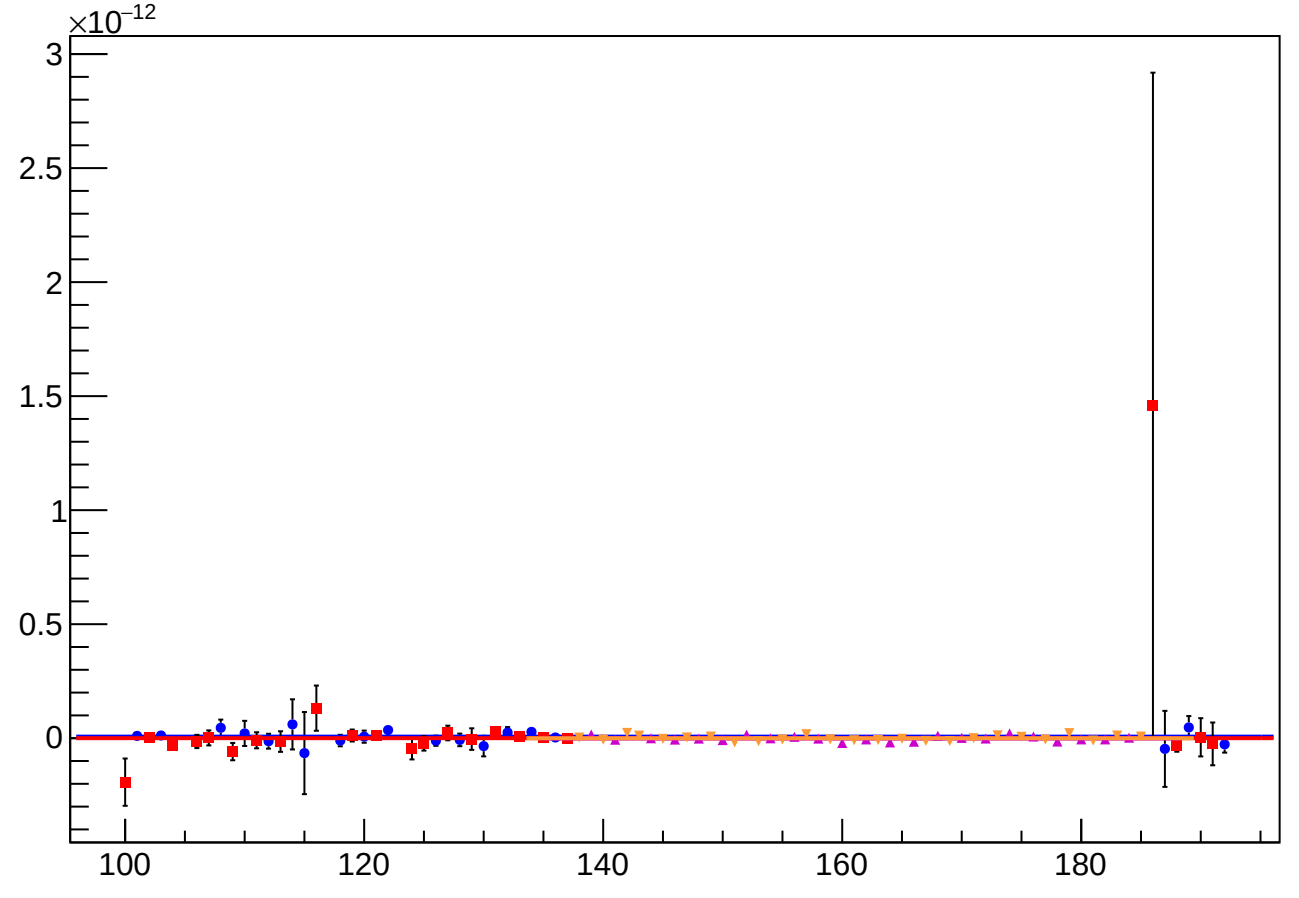
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 28.721+/-0.005 χ^2/NDF: 3079754.9/41

In: 31.370+/-0.004 χ^2/NDF:3174908.4/41

Out: 31.462+/-0.004 χ^2/NDF:3020864.3/47

All: 31.417+/-0.003 χ^2/NDF: 6195998.3/89



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: 18.0/22

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

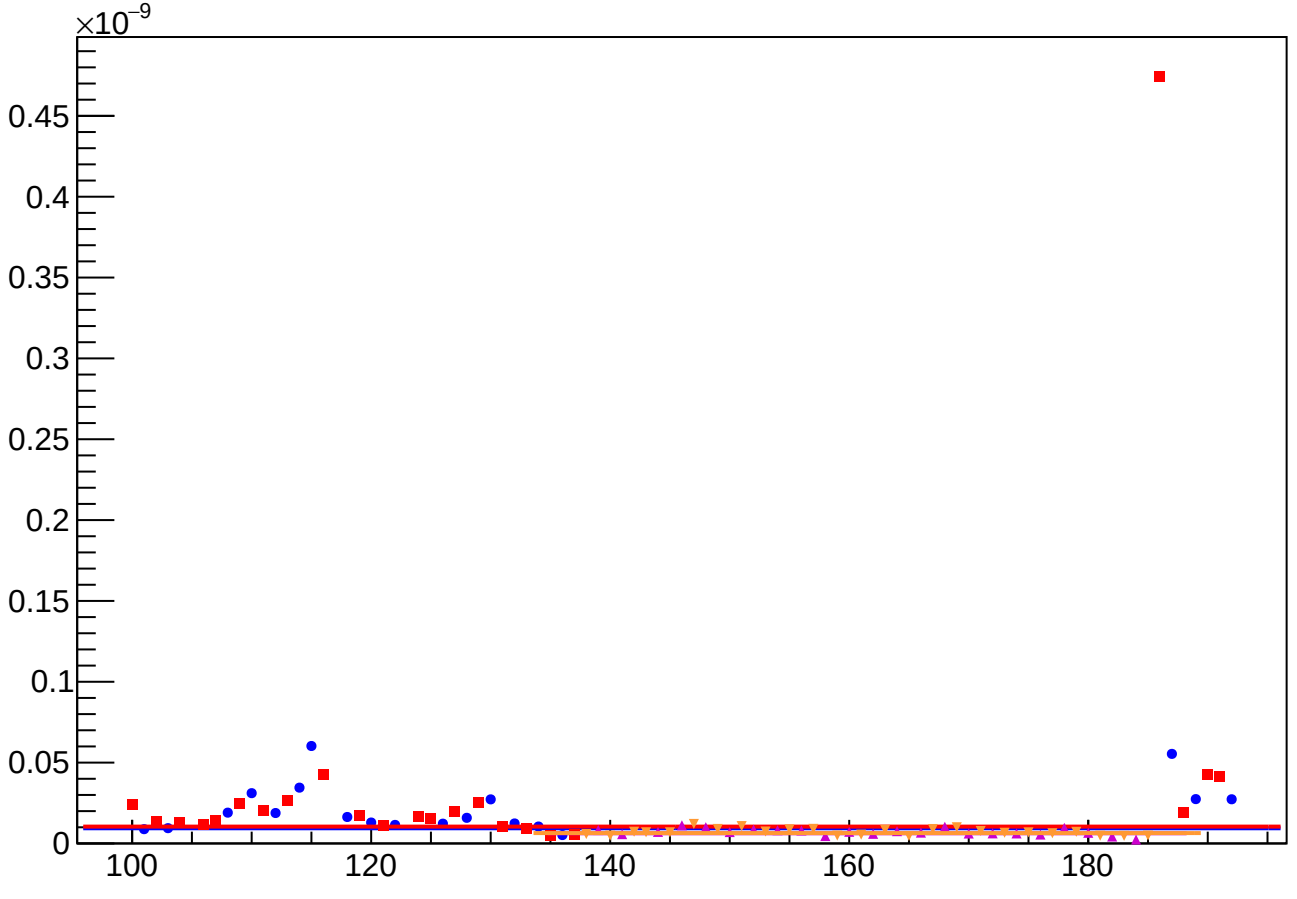
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 28.9/41

In: -0.000+/-0.000 χ^2/NDF:38.0/41

Out: -0.000+/-0.000 χ^2/NDF:49.0/47

All: -0.000+/-0.000 χ^2/NDF: 87.0/89



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: 3617580.4/22

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

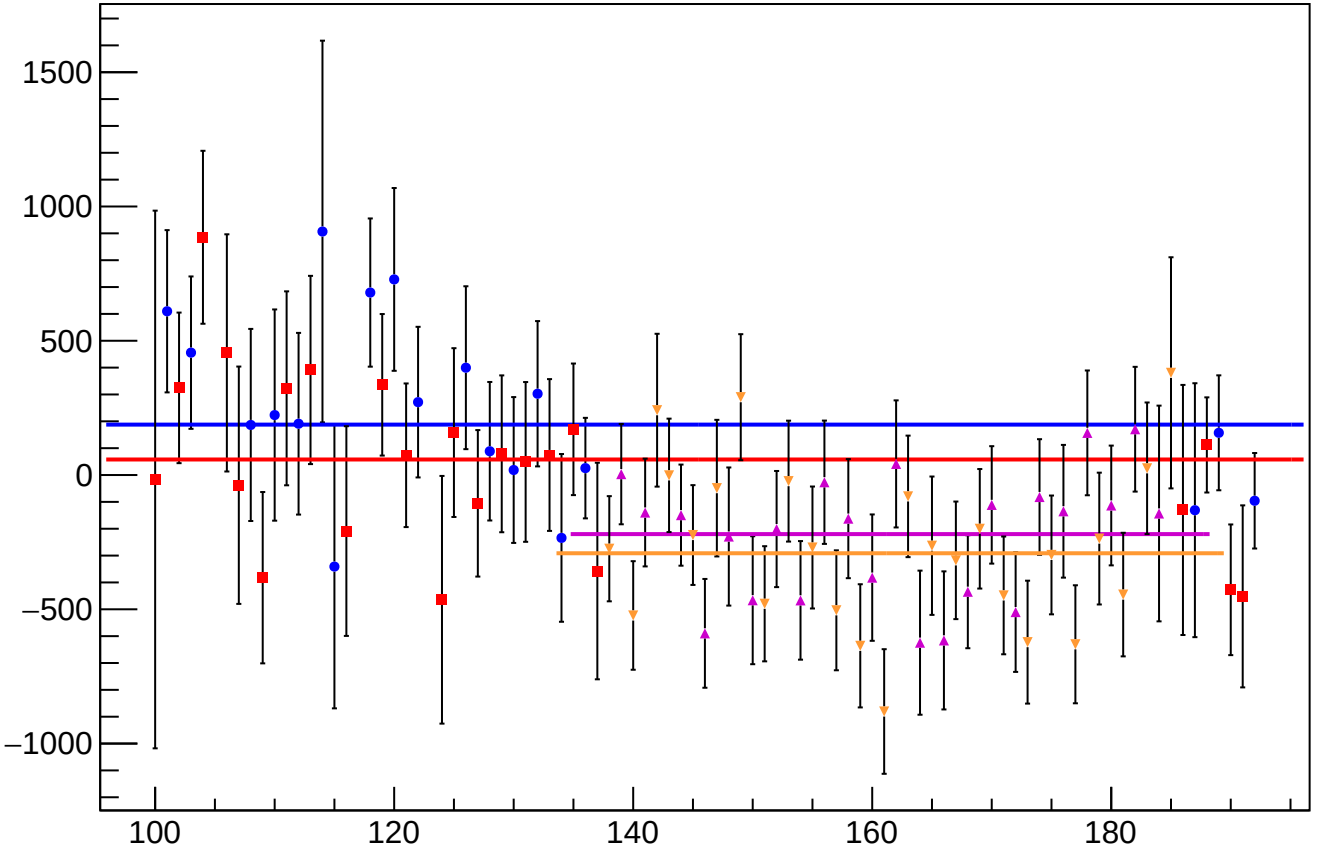
Right: 0.000+/-0.000 χ^2/NDF: 6993515.4/41

In: 0.000+/-0.000 χ^2/NDF:6251453.0/41

Out: 0.000+/-0.000 χ^2/NDF:6696316.3/47

All: 0.000+/-0.000 χ^2/NDF: 12955175.7/89

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



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: 57.869+/-64.167 χ^2/NDF: 22.8/22

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

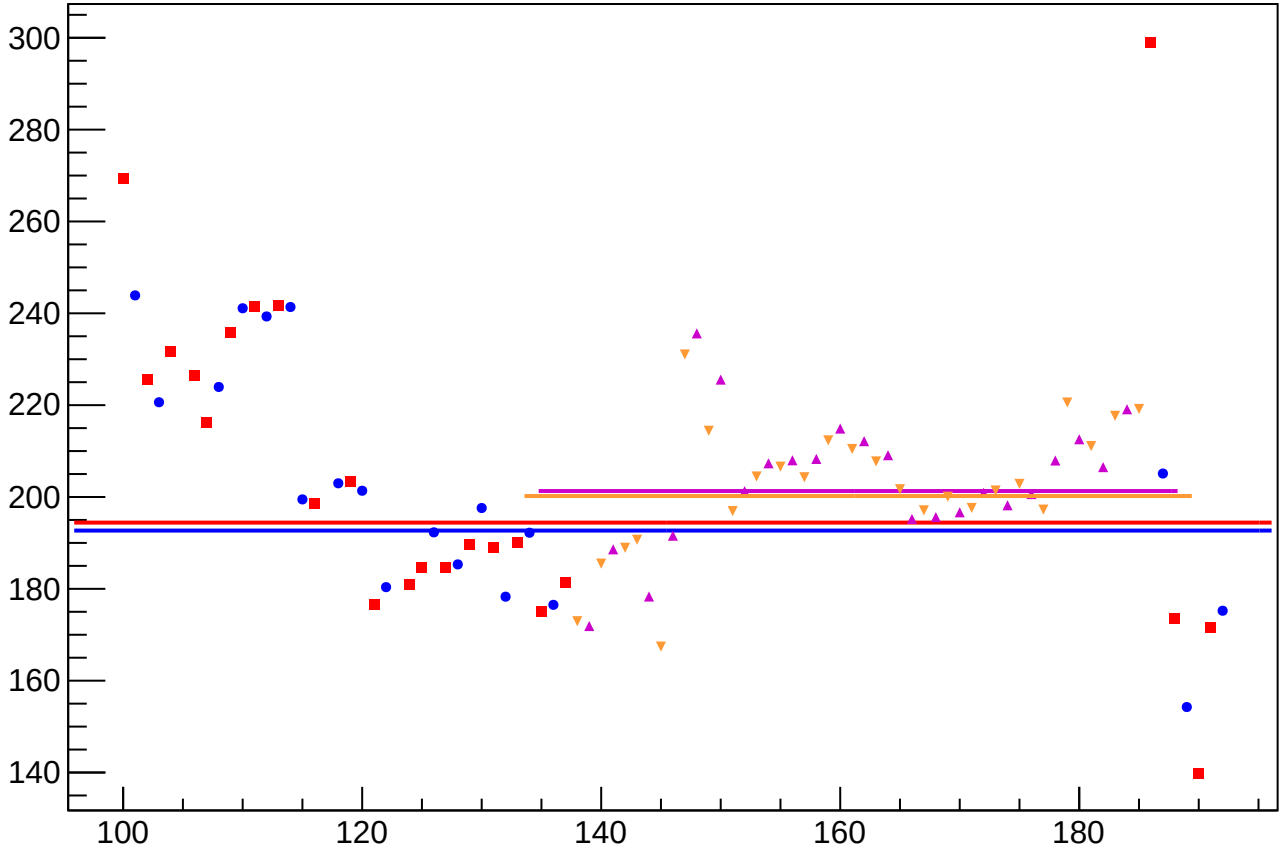
Right: 121.914+/-45.683 χ^2/NDF: 42.3/41

In: -79.575+/-38.175 χ^2/NDF:67.0/41

Out: -174.095+/-37.178 χ^2/NDF:78.9/47

All: -128.086+/-26.634 χ^2/NDF: 149.0/89

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: 194.424+/-0.045 χ^2/NDF: 454250.0/22

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

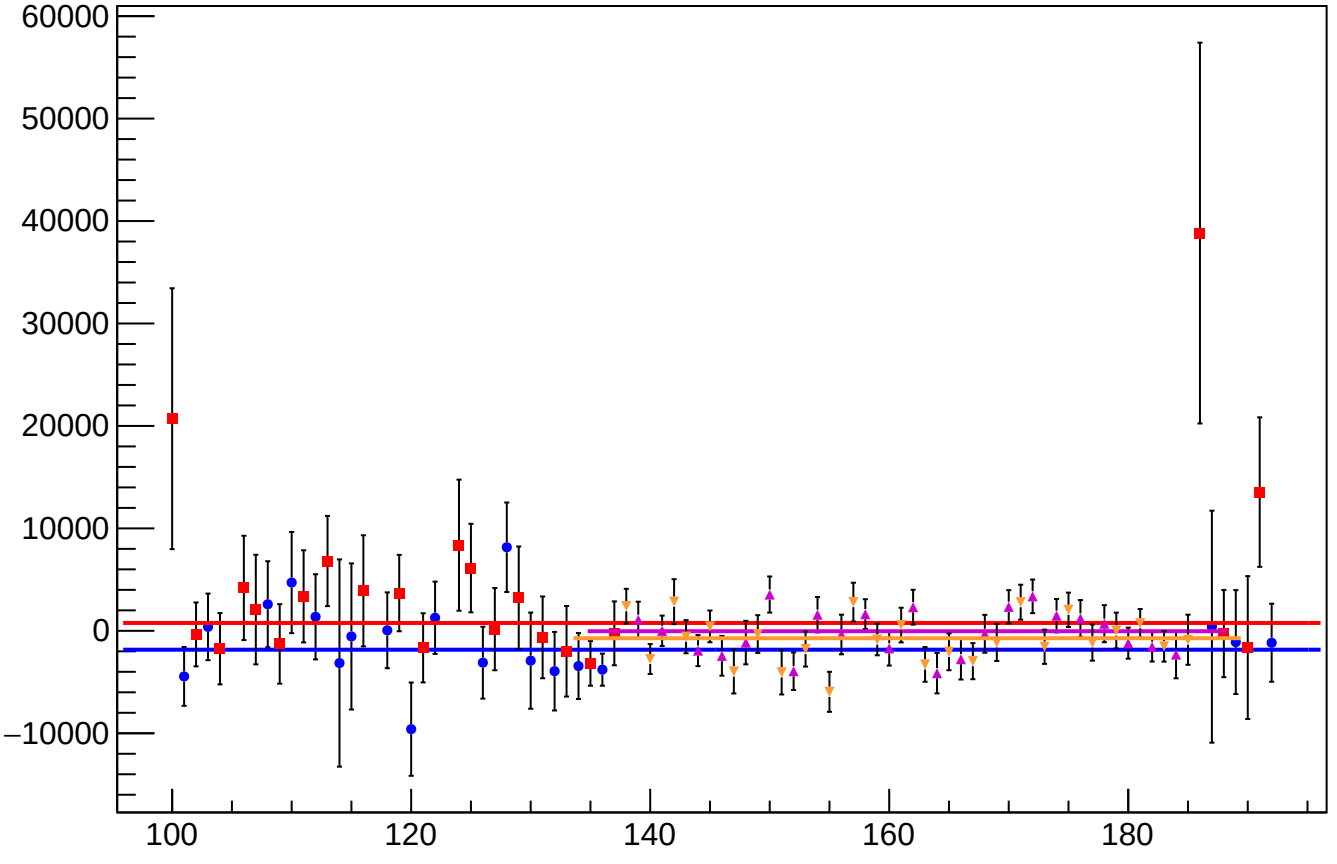
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 193.568+/-0.032 χ^2/NDF: 741119.5/41

In: 198.333+/-0.027 χ^2/NDF:490757.6/41

Out: 198.268+/-0.026 χ^2/NDF:669446.3/47

All: 198.299+/-0.019 χ^2/NDF: 1160206.9/89



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: 768.441+/-866.879 χ^2/NDF: 22.1/22

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

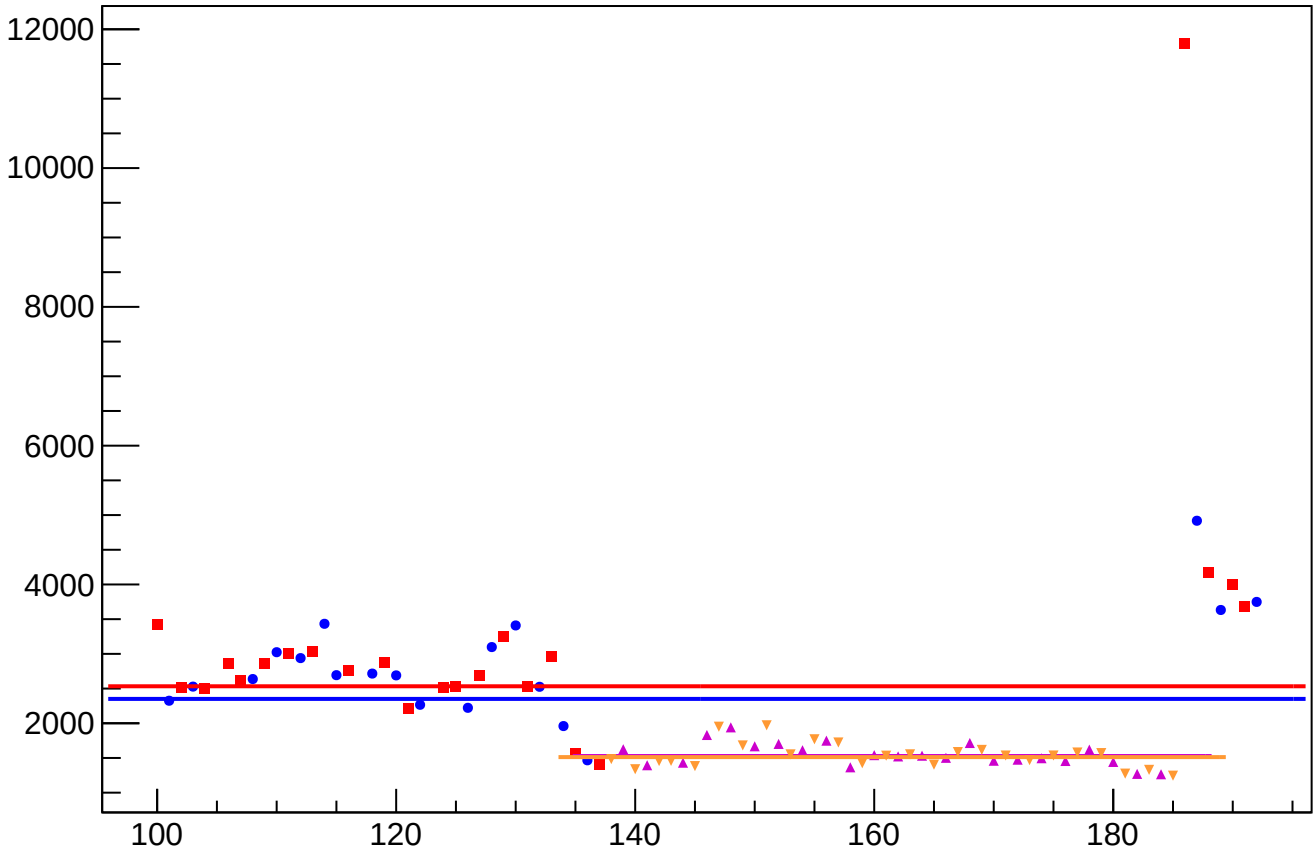
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -601.657+/-597.484 χ^2/NDF: 43.2/41

In: -326.773+/-329.365 χ^2/NDF:54.8/41

Out: -515.685+/-321.650 χ^2/NDF:62.9/47

All: -423.468+/-230.120 χ^2/NDF: 117.9/89



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: 2532.998+/-0.613 χ^2/NDF: 1775890.6/22

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

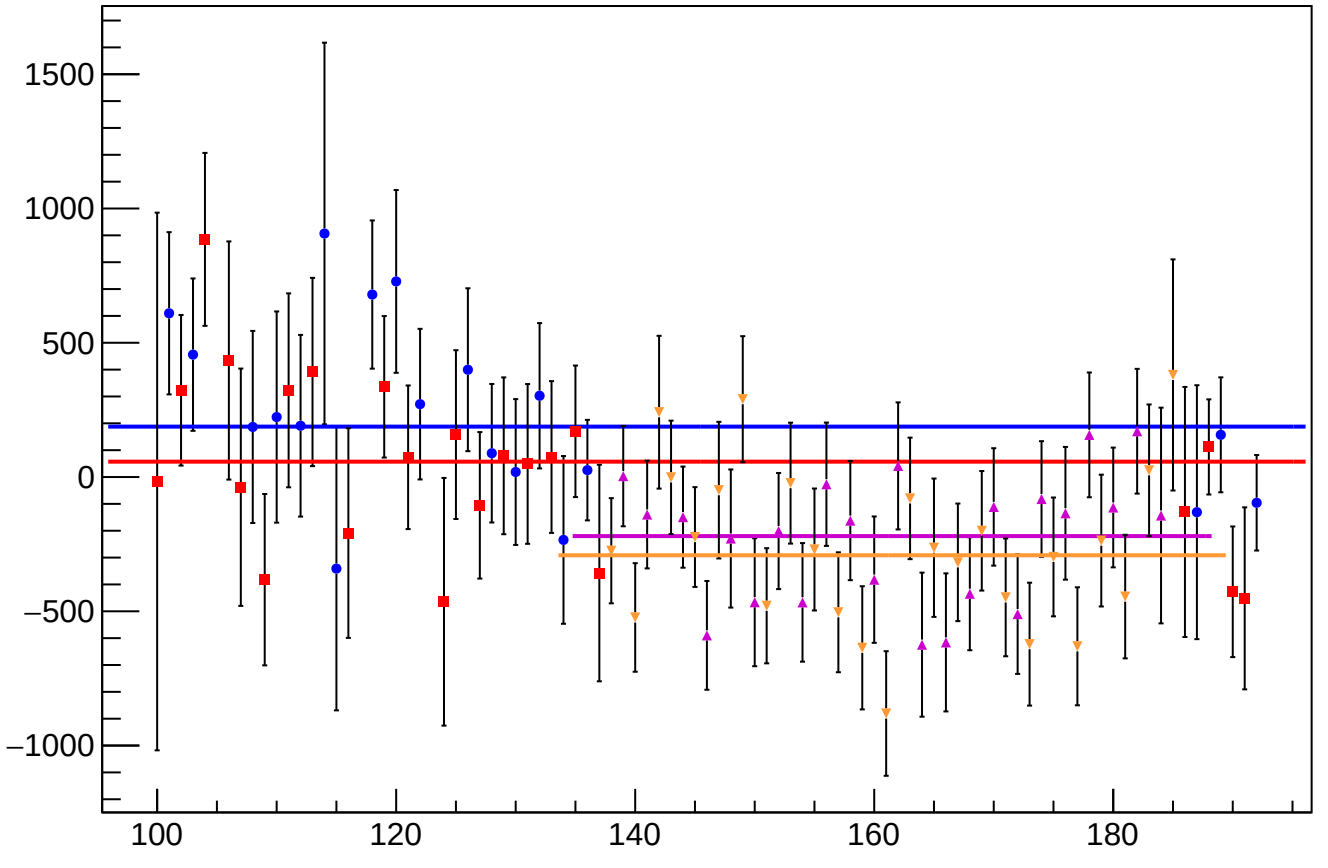
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2437.475+/-0.422 χ^2/NDF: 3310176.6/41

In: 1659.263+/-0.233 χ^2/NDF:3536411.8/41

Out: 1652.879+/-0.227 χ^2/NDF:4609147.4/47

All: 1655.995+/-0.163 χ^2/NDF: 8145943.8/89



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: 57.276+/-64.173 χ^2/NDF: 22.7/22

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

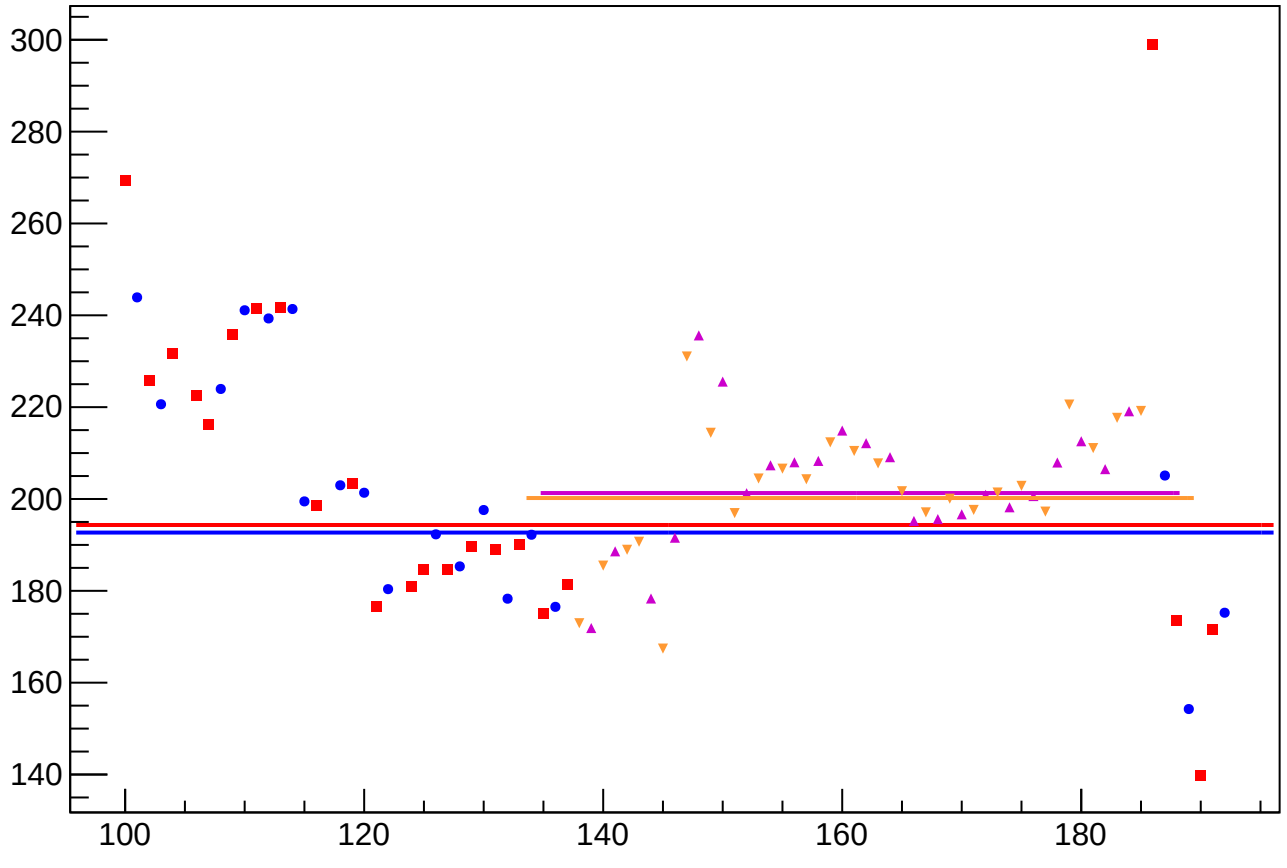
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 121.620+/-45.685 χ^2/NDF: 42.2/41

In: -79.581+/-38.175 χ^2/NDF:67.0/41

Out: -174.312+/-37.179 χ^2/NDF:78.7/47

All: -128.198+/-26.635 χ^2/NDF: 148.8/89



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: 194.339+/-0.045 χ^2/NDF: 451844.0/22

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

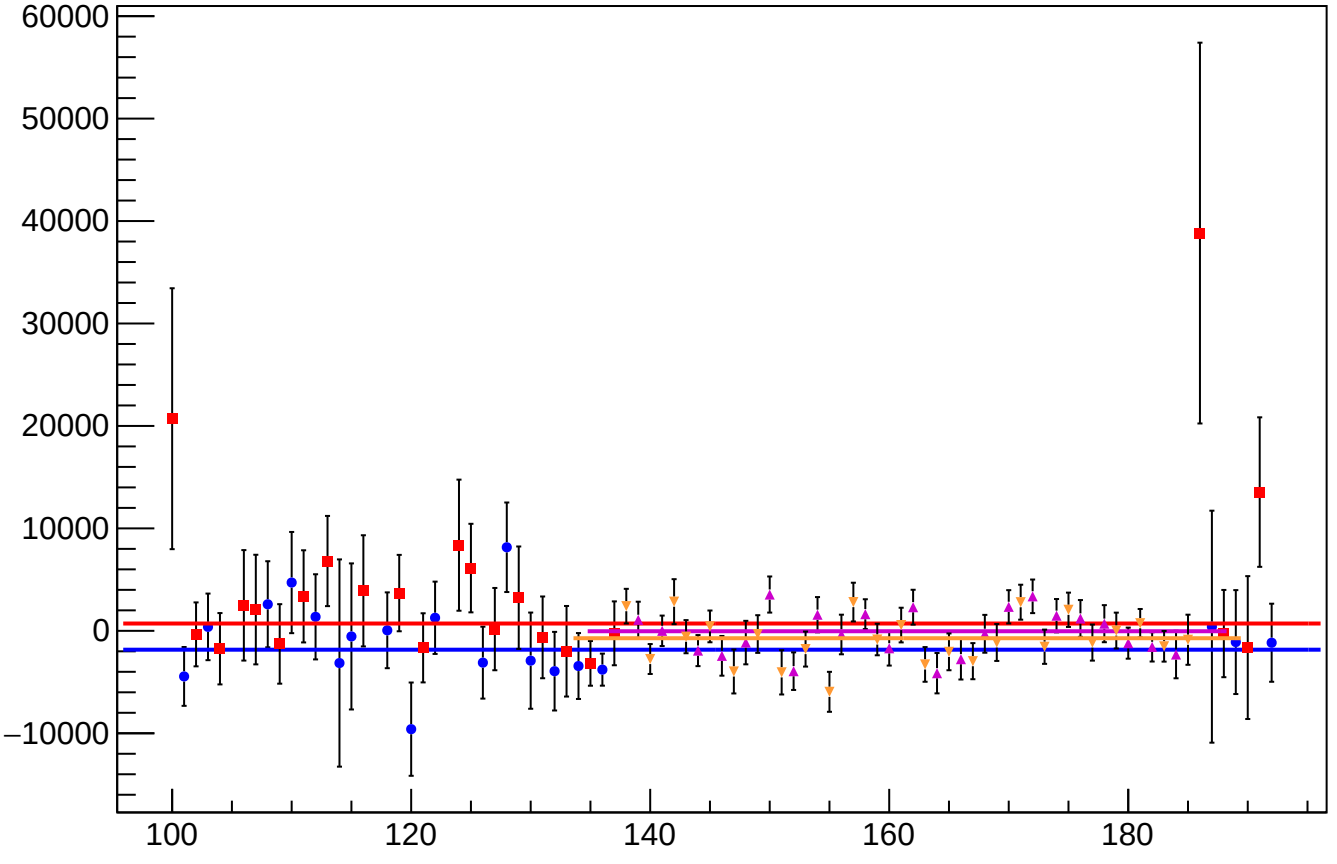
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 193.525+/-0.032 χ^2/NDF: 738644.5/41

In: 198.333+/-0.027 χ^2/NDF:490758.0/41

Out: 198.239+/-0.026 χ^2/NDF:667360.2/47

All: 198.285+/-0.019 χ^2/NDF: 1158124.3/89



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: 713.793+/-868.273 χ^2/NDF: 21.8/22

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

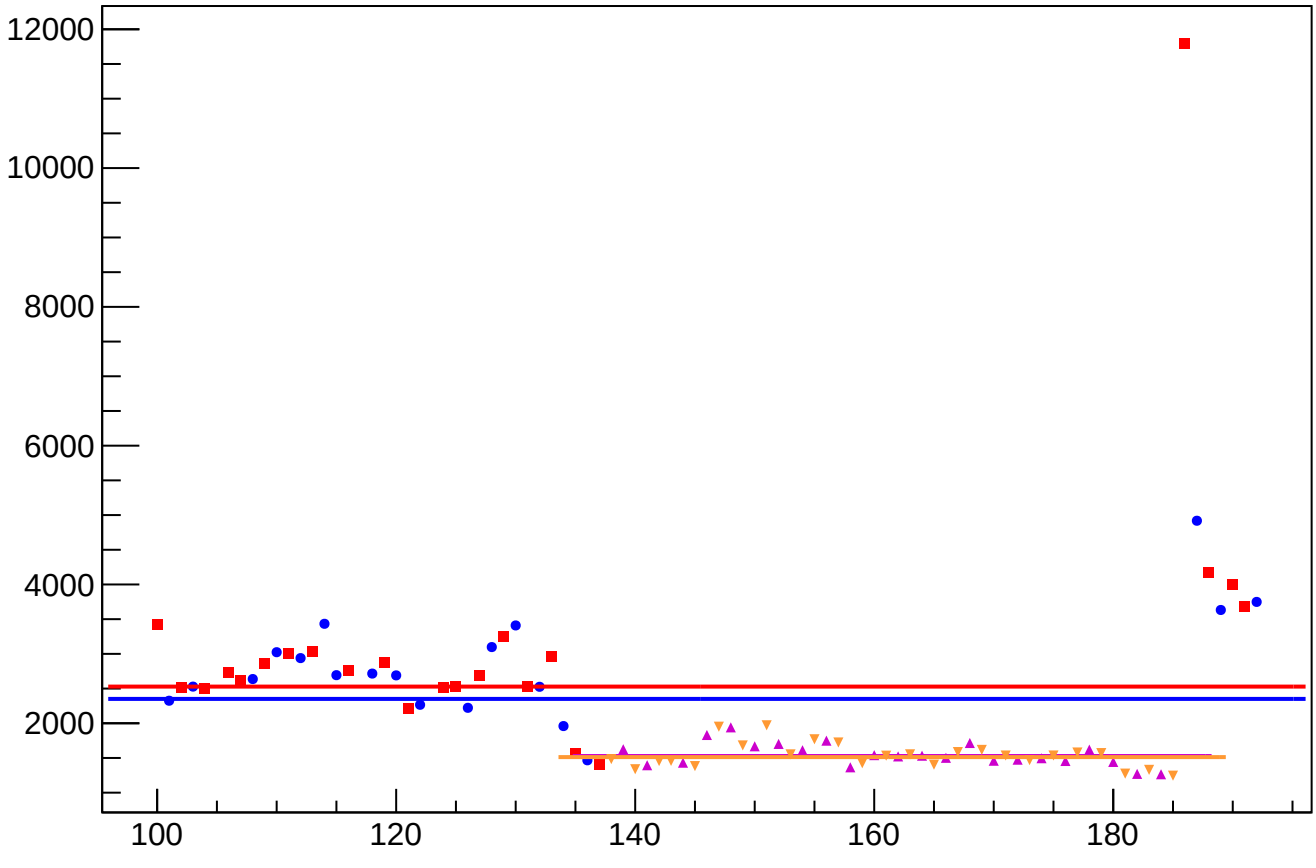
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -629.645+/-597.940 χ^2/NDF: 42.7/41

In: -326.765+/-329.365 χ^2/NDF:54.8/41

Out: -523.759+/-321.721 χ^2/NDF:62.4/47

All: -427.575+/-230.146 χ^2/NDF: 117.4/89



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: 2528.483+/-0.614 χ^2/NDF: 1769909.9/22

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

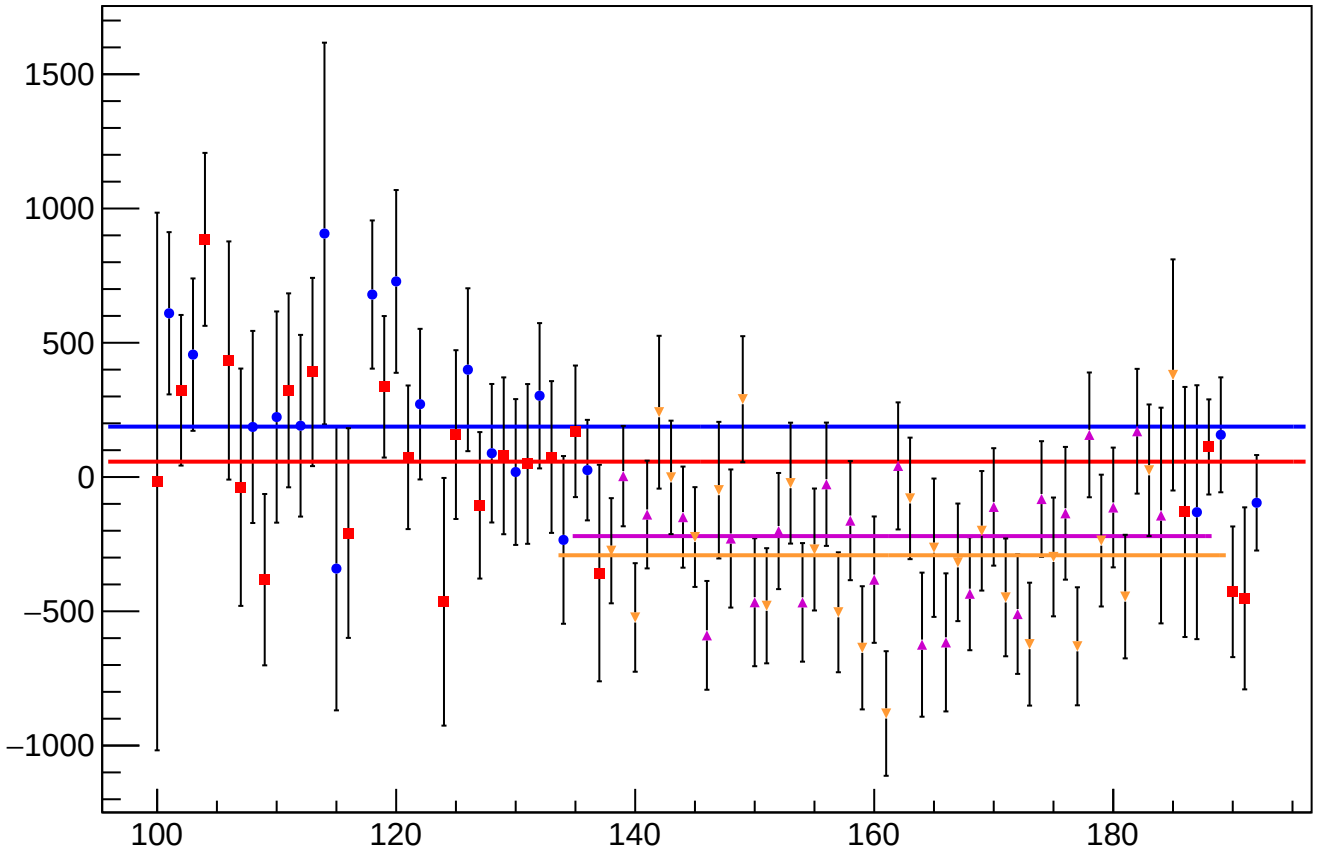
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2435.190+/-0.423 χ^2/NDF: 3301854.1/41

In: 1659.263+/-0.233 χ^2/NDF:3536424.2/41

Out: 1651.870+/-0.227 χ^2/NDF:4575501.1/47

All: 1655.480+/-0.163 χ^2/NDF: 8112441.0/89



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: 57.276+/-64.173 χ^2/NDF: 22.7/22

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

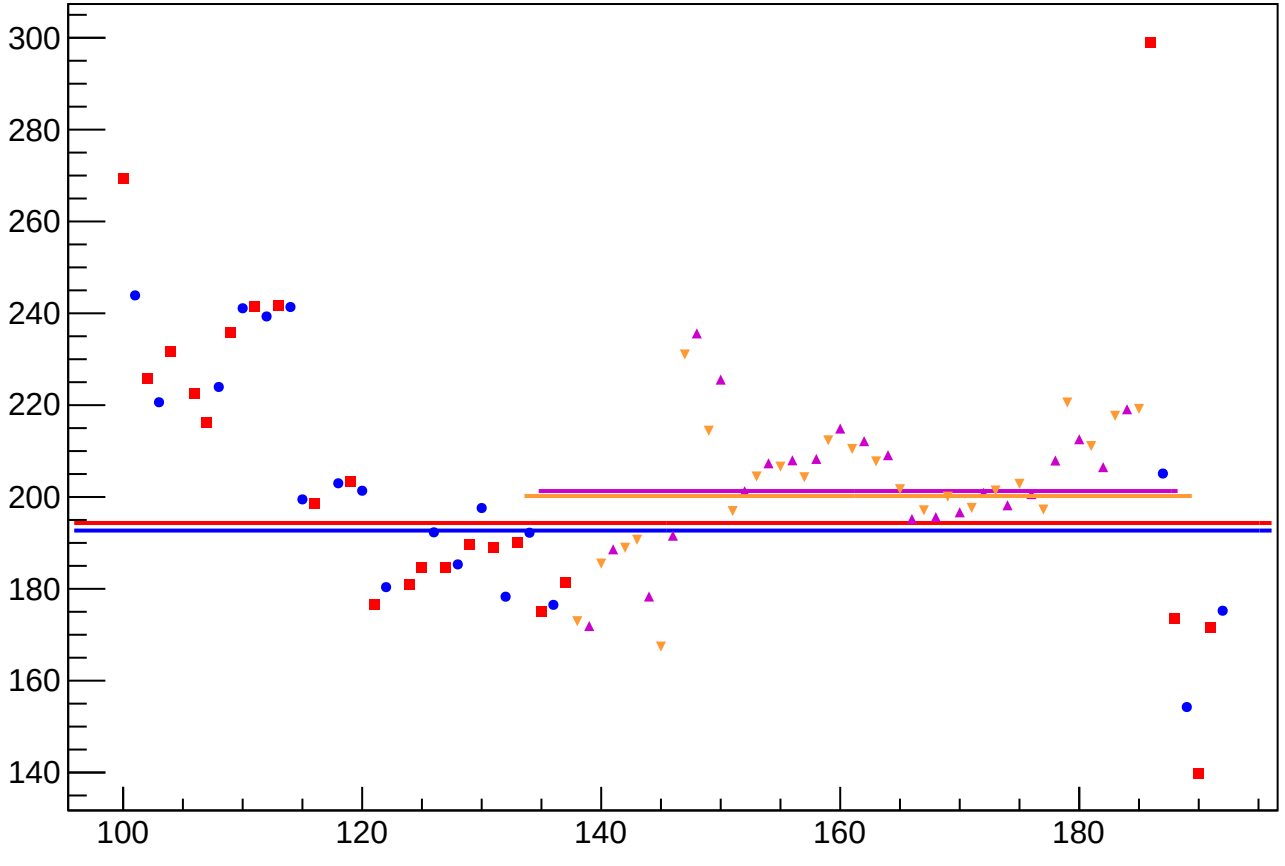
Right: 121.620+/-45.685 χ^2/NDF: 42.2/41

In: -79.581+/-38.175 χ^2/NDF:67.0/41

Out: -174.312+/-37.179 χ^2/NDF:78.7/47

All: -128.198+/-26.635 χ^2/NDF: 148.8/89

eigen_cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



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: 194.339+/-0.045 χ^2/NDF: 451844.0/22

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

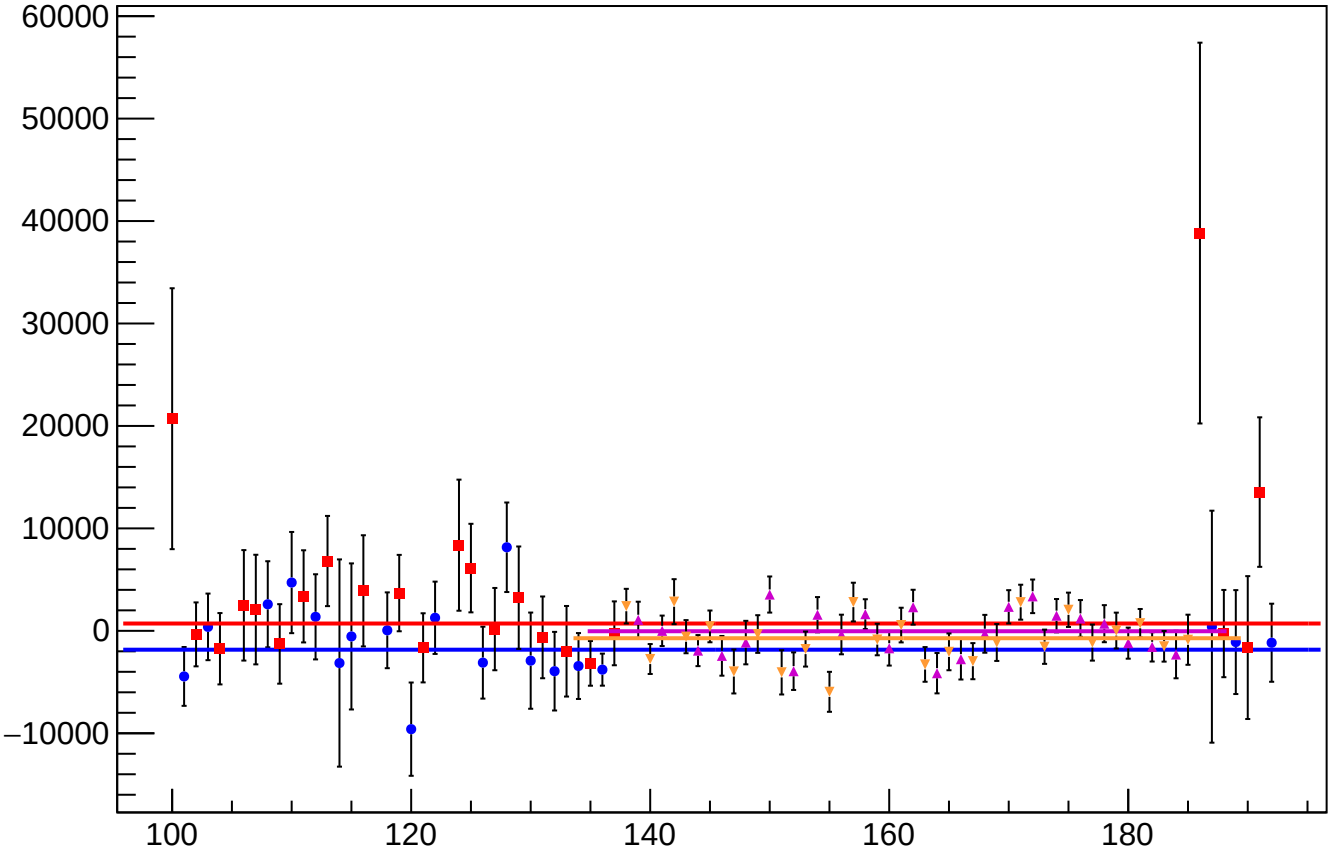
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 193.525+/-0.032 χ^2/NDF: 738644.5/41

In: 198.333+/-0.027 χ^2/NDF:490758.0/41

Out: 198.239+/-0.026 χ^2/NDF:667360.2/47

All: 198.285+/-0.019 χ^2/NDF: 1158124.3/89



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: 713.793+/-868.273 χ^2/NDF: 21.8/22

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

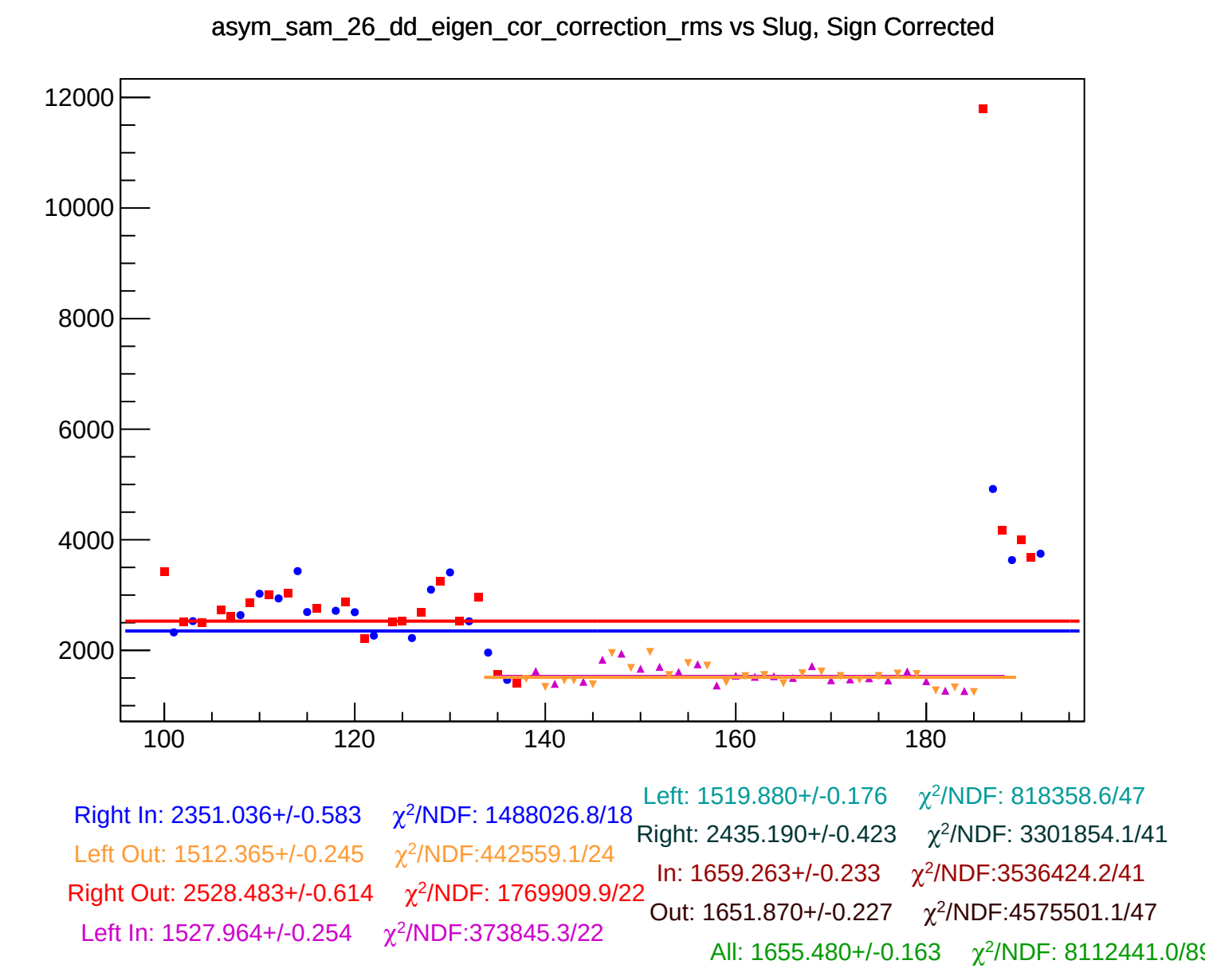
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -629.645+/-597.940 χ^2/NDF: 42.7/41

In: -326.765+/-329.365 χ^2/NDF:54.8/41

Out: -523.759+/-321.721 χ^2/NDF:62.4/47

All: -427.575+/-230.146 χ^2/NDF: 117.4/89


asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
12000
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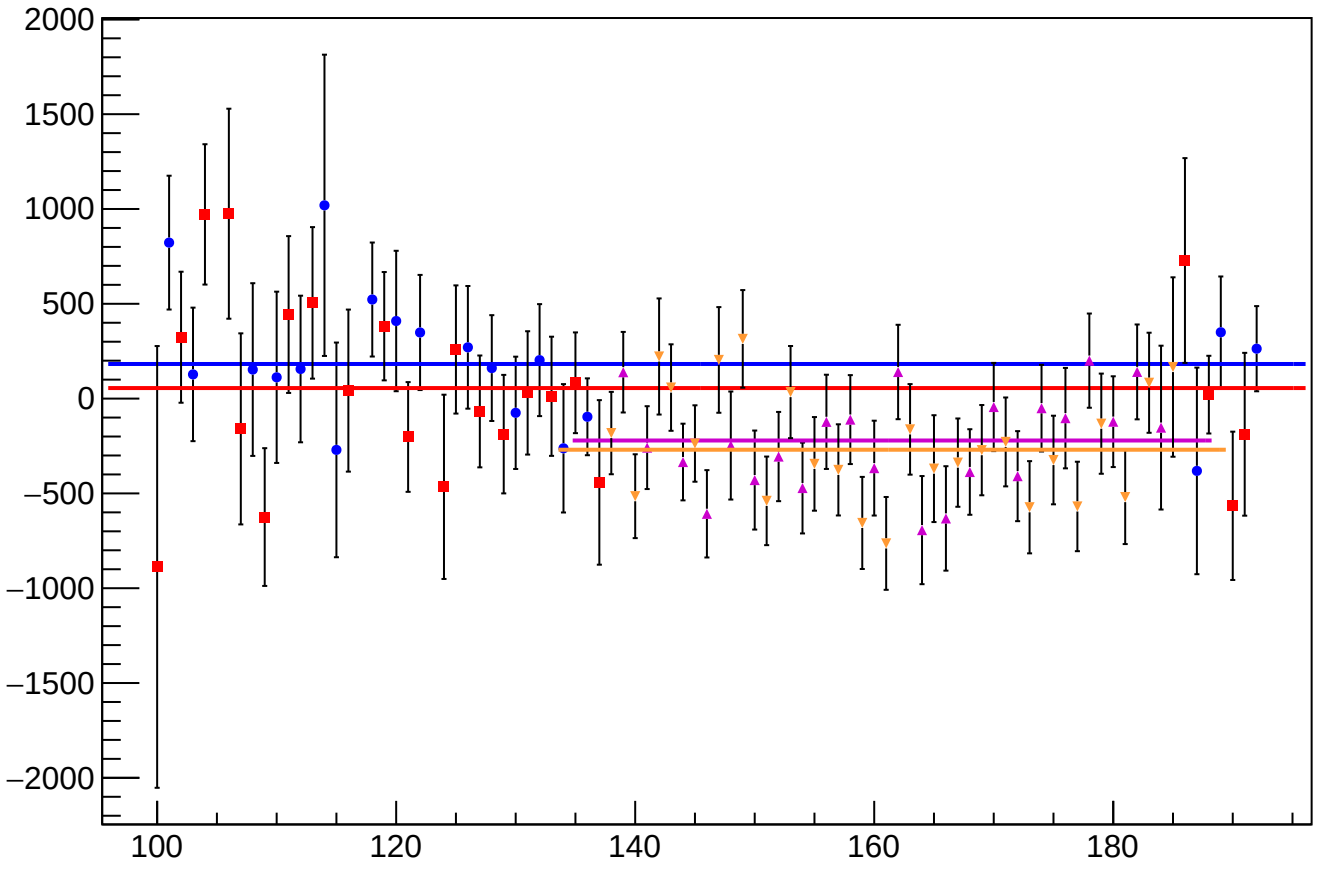
180
Right In: 2351.036+/-0.583 χ²/NDF: 1488026.8/18
Left Out: 1512.365+/-0.245 χ²/NDF:442559.1/24
Right Out: 2528.483+/-0.614 χ²/NDF: 1769909.9/22
Left In: 1527.964+/-0.254 χ²/NDF:373845.3/22
Left: 1519.880+/-0.176 χ²/NDF: 818358.6/47
Right: 2435.190+/-0.423 χ²/NDF: 3301854.1/41
In: 1659.263+/-0.233 χ²/NDF:3536424.2/41
Out: 1651.870+/-0.227 χ²/NDF:4575501.1/47
All: 1655.480+/-0.163 χ²/NDF: 8112441.0/89



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: 55.570+/-73.329 χ^2/NDF: 26.1/22

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

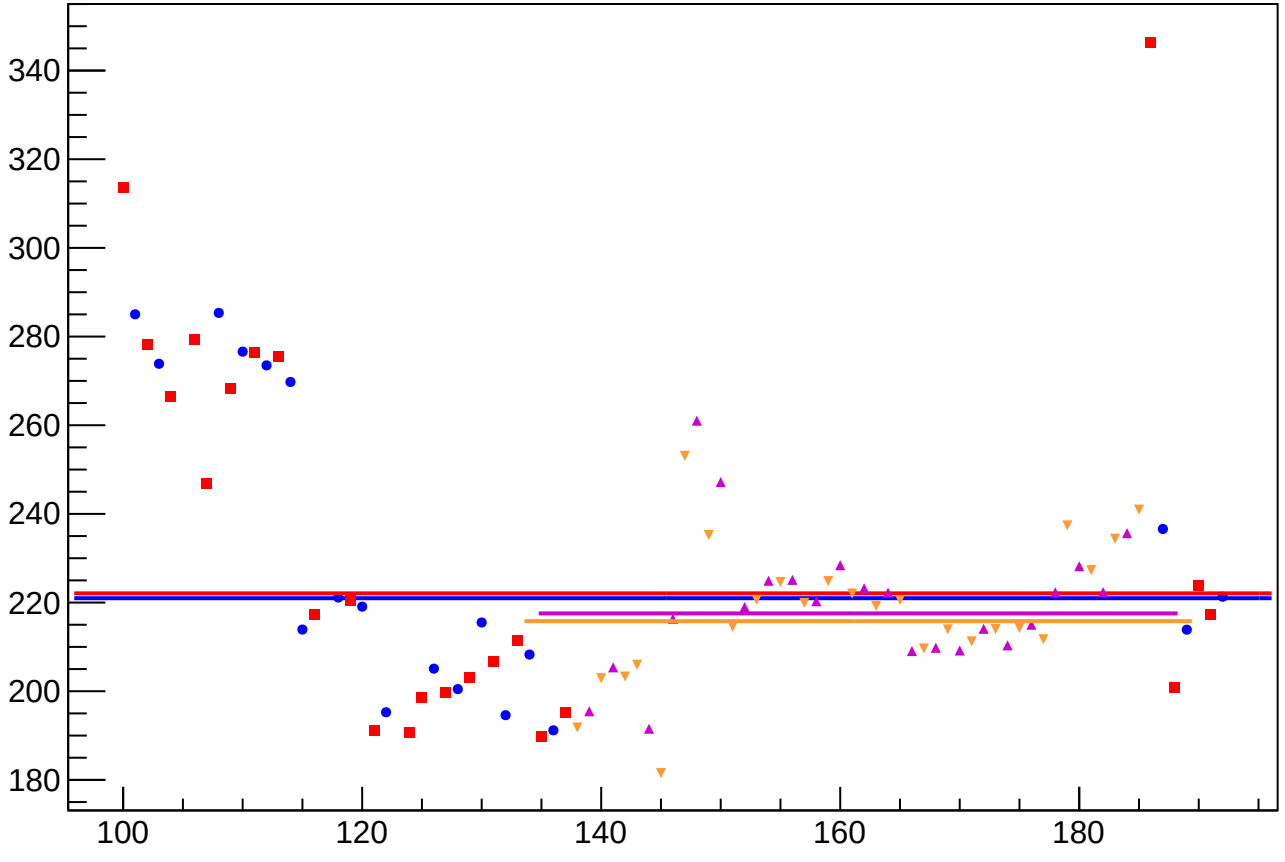
Right: 117.932+/-52.308 χ^2/NDF: 40.6/41

In: -92.661+/-42.084 χ^2/NDF:56.3/41

Out: -168.833+/-40.832 χ^2/NDF:71.2/47

All: -131.897+/-29.305 χ^2/NDF: 129.2/89

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: 222.075+/-0.052 χ^2/NDF: 454727.8/22

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

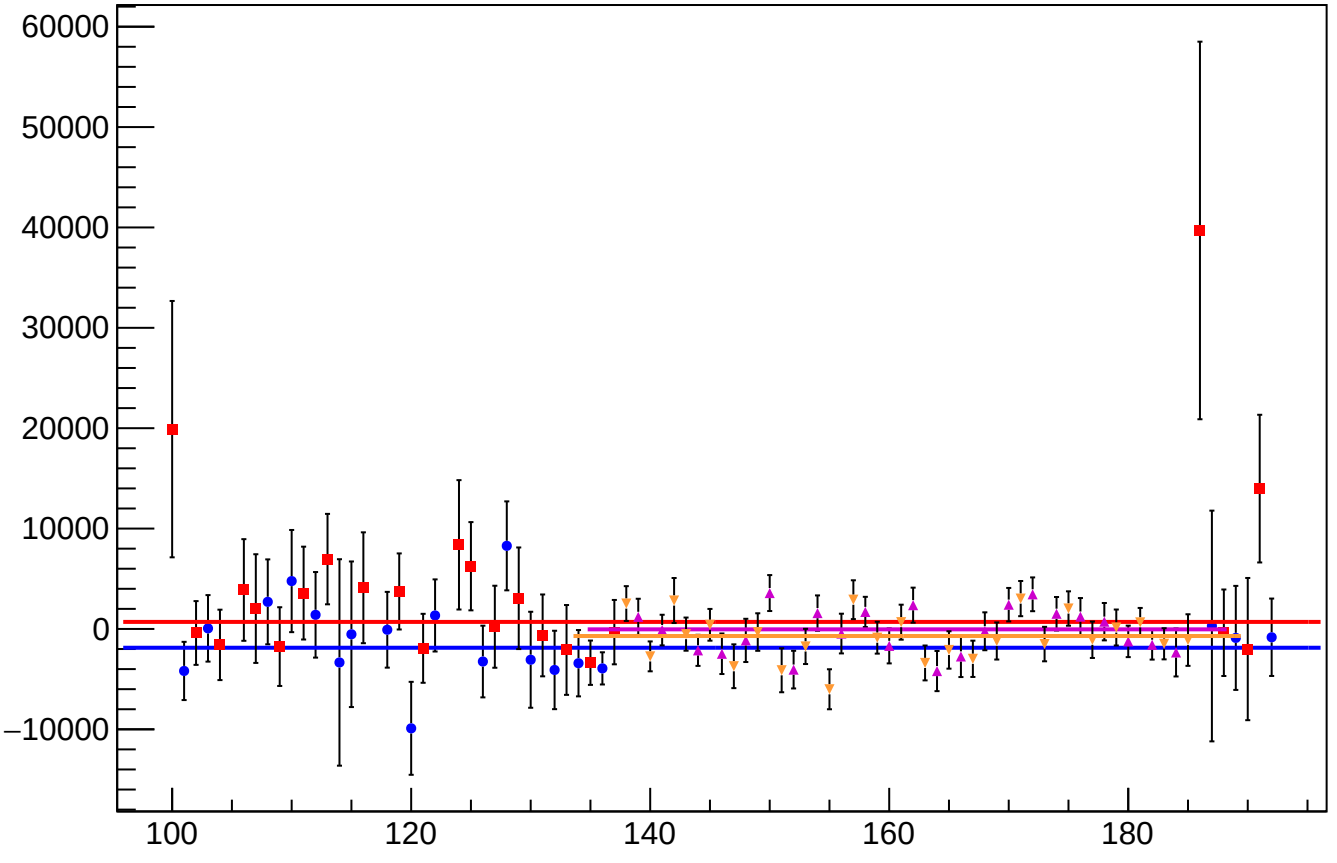
Right: 221.538+/-0.037 χ^2/NDF: 776466.3/41

In: 218.644+/-0.030 χ^2/NDF:485462.8/41

Out: 217.750+/-0.029 χ^2/NDF:653509.8/47

All: 218.184+/-0.021 χ^2/NDF: 1139437.8/89

asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected



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: 701.009+/-880.404 χ^2/NDF: 22.6/22

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

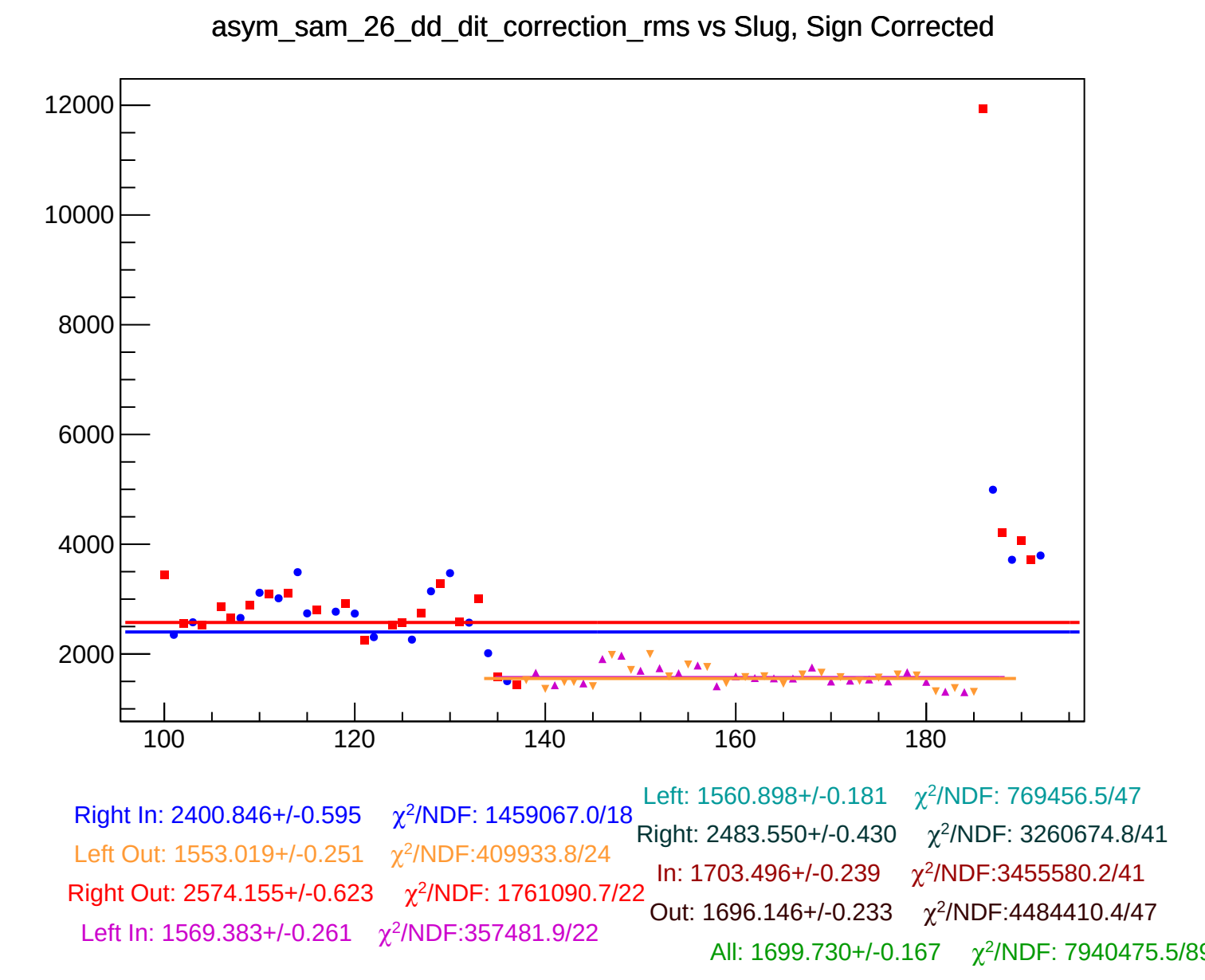
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

Right: -644.565+/-608.183 χ^2/NDF: 43.4/41

In: -335.337+/-337.817 χ^2/NDF:54.6/41

Out: -507.078+/-329.610 χ^2/NDF:62.4/47

All: -423.319+/-235.918 χ^2/NDF: 117.1/89


asym_sam_26_dd_dit_correction_rms vs Slug, Sign Corrected
12000
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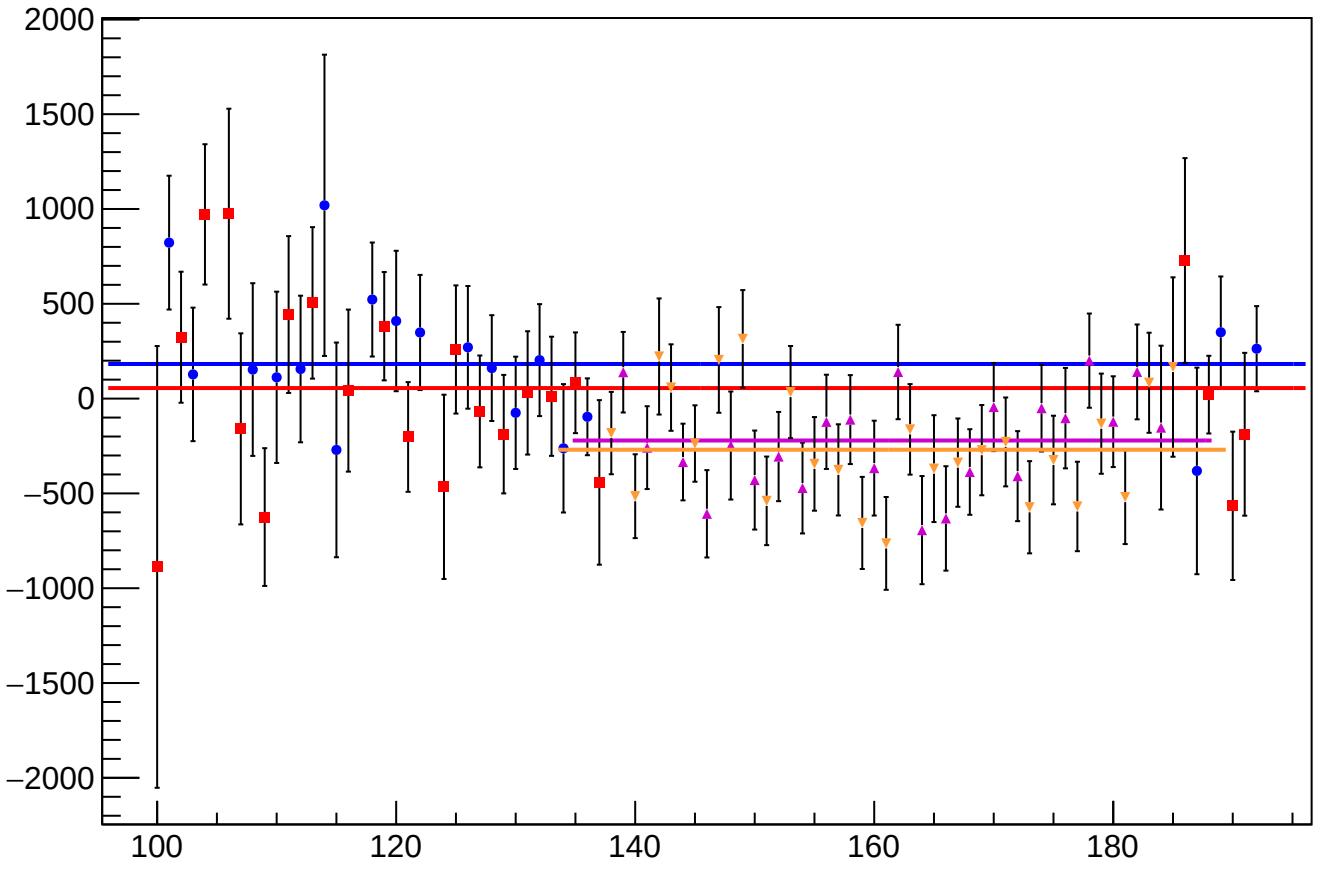
Right In: 2400.846+/-0.595 χ²/NDF: 1459067.0/18
Left Out: 1553.019+/-0.251 χ²/NDF:409933.8/24
Right Out: 2574.155+/-0.623 χ²/NDF: 1761090.7/22
Left In: 1569.383+/-0.261 χ²/NDF:357481.9/22
Left: 1560.898+/-0.181 χ²/NDF: 769456.5/47
Right: 2483.550+/-0.430 χ²/NDF: 3260674.8/41
In: 1703.496+/-0.239 χ²/NDF:3455580.2/41
Out: 1696.146+/-0.233 χ²/NDF:4484410.4/47
All: 1699.730+/-0.167 χ²/NDF: 7940475.5/89



Right In: 182.541+/-74.638 χ^2/NDF: 13.0/18

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 55.570+/-73.329 χ^2/NDF: 26.1/22

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

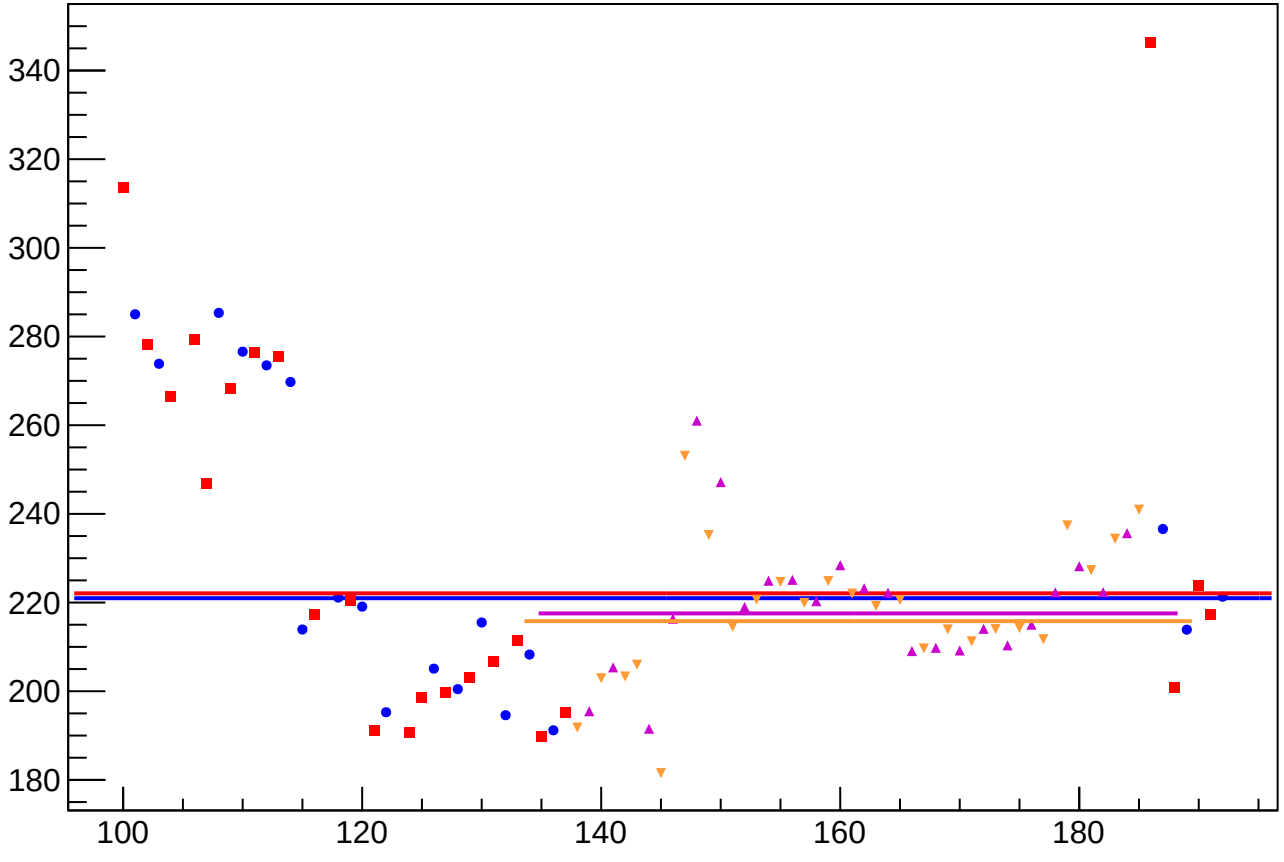
Right: 117.932+/-52.308 χ^2/NDF: 40.6/41

In: -92.661+/-42.084 χ^2/NDF:56.3/41

Out: -168.834+/-40.832 χ^2/NDF:71.2/47

All: -131.897+/-29.305 χ^2/NDF: 129.2/89

eigen_dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



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: 222.074+/-0.052 χ^2/NDF: 454712.4/22

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

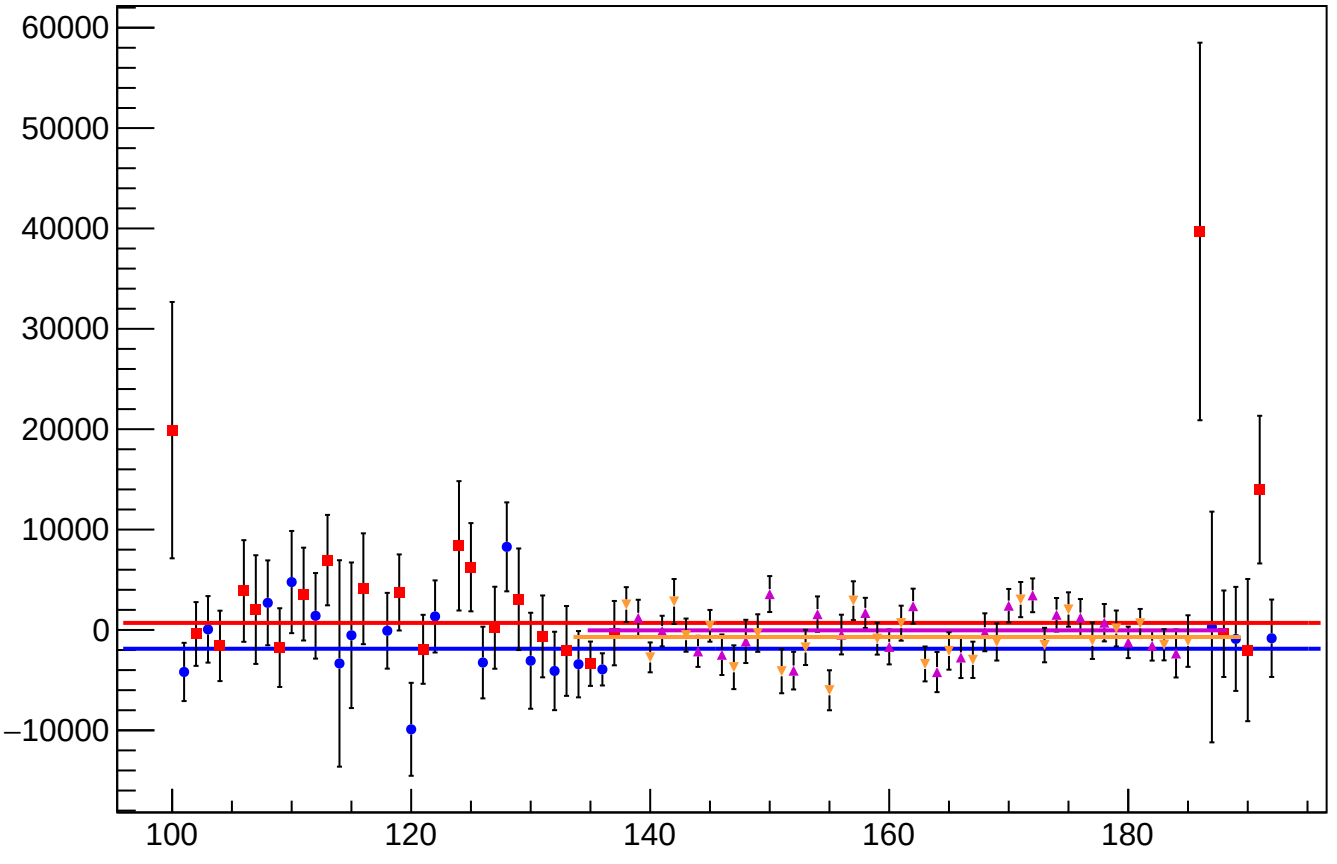
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 221.537+/-0.037 χ^2/NDF: 776445.6/41

In: 218.644+/-0.030 χ^2/NDF:485458.8/41

Out: 217.750+/-0.029 χ^2/NDF:653496.4/47

All: 218.183+/-0.021 χ^2/NDF: 1139420.1/89



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: 701.010+/-880.403 χ^2/NDF: 22.6/22

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

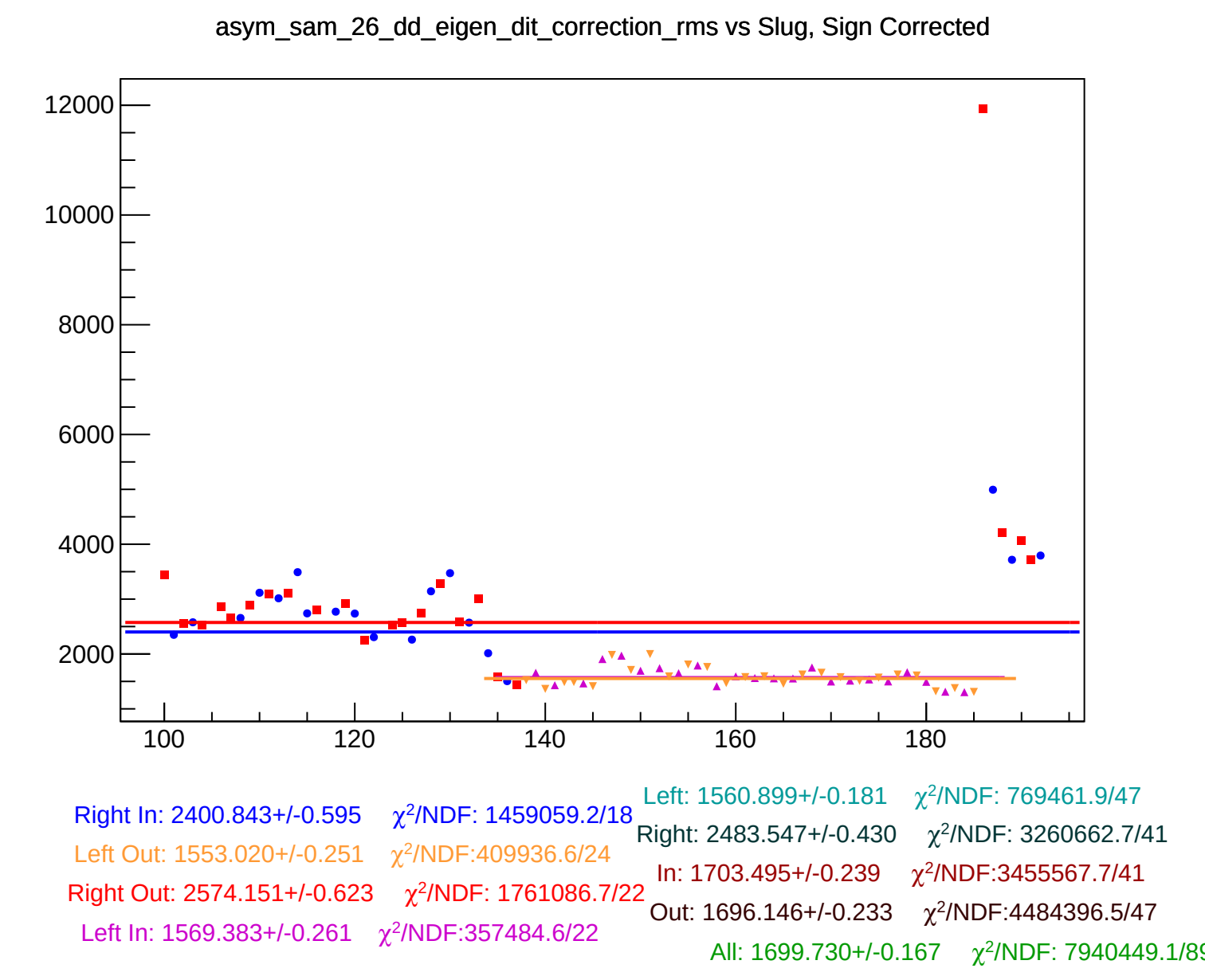
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -644.562+/-608.182 χ^2/NDF: 43.4/41

In: -335.337+/-337.817 χ^2/NDF:54.6/41

Out: -507.078+/-329.610 χ^2/NDF:62.4/47

All: -423.319+/-235.918 χ^2/NDF: 117.1/89


asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
12000
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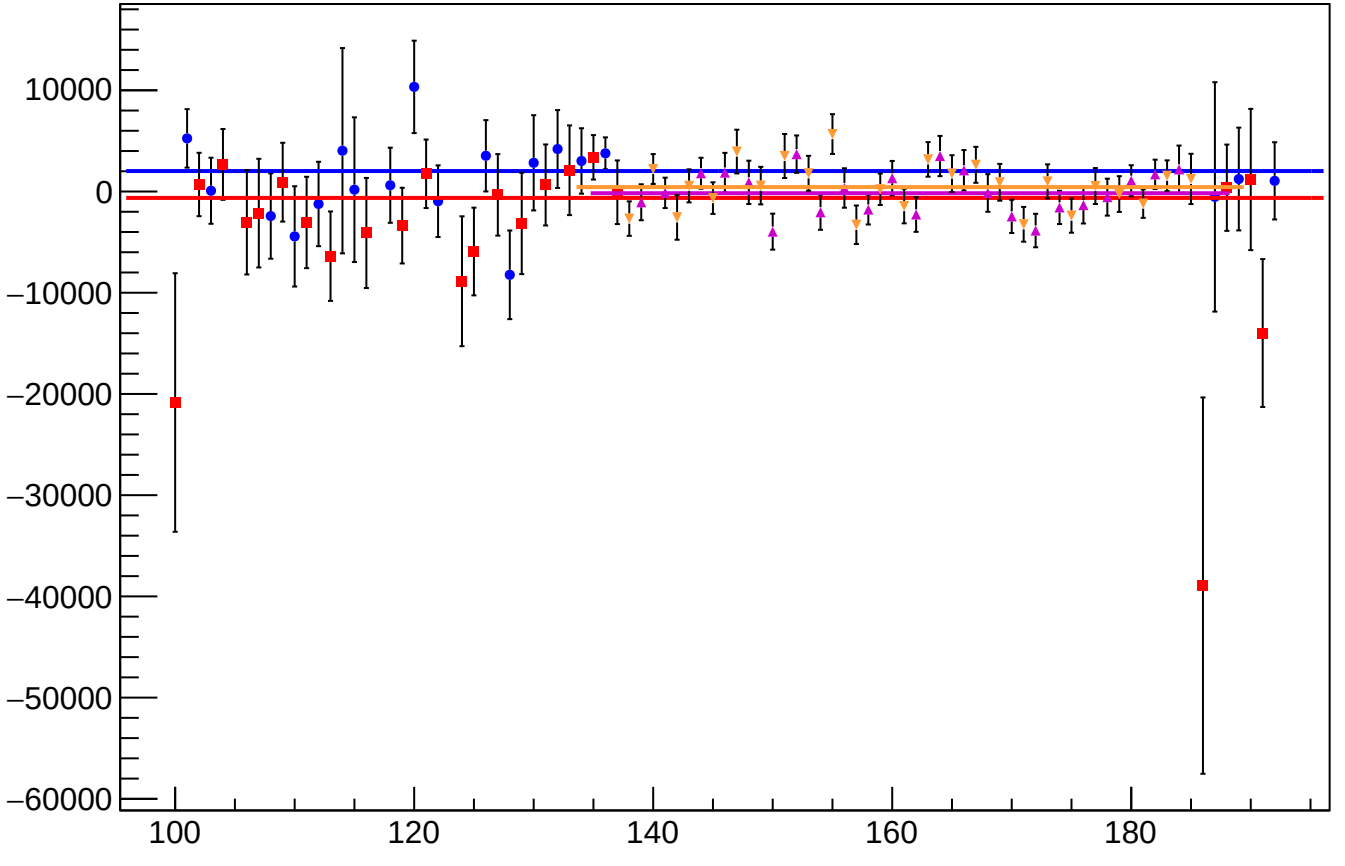
Right In: 2400.843+/-0.595 χ²/NDF: 1459059.2/18
Left Out: 1553.020+/-0.251 χ²/NDF:409936.6/24
Right Out: 2574.151+/-0.623 χ²/NDF: 1761086.7/22
Left In: 1569.383+/-0.261 χ²/NDF:357484.6/22
Left: 1560.899+/-0.181 χ²/NDF: 769461.9/47
Right: 2483.547+/-0.430 χ²/NDF: 3260662.7/41
In: 1703.495+/-0.239 χ²/NDF:3455567.7/41
Out: 1696.146+/-0.233 χ²/NDF:4484396.5/47
All: 1699.730+/-0.167 χ²/NDF: 7940449.1/89

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: -633.305+/-870.467 χ^2/NDF: 22.4/22

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

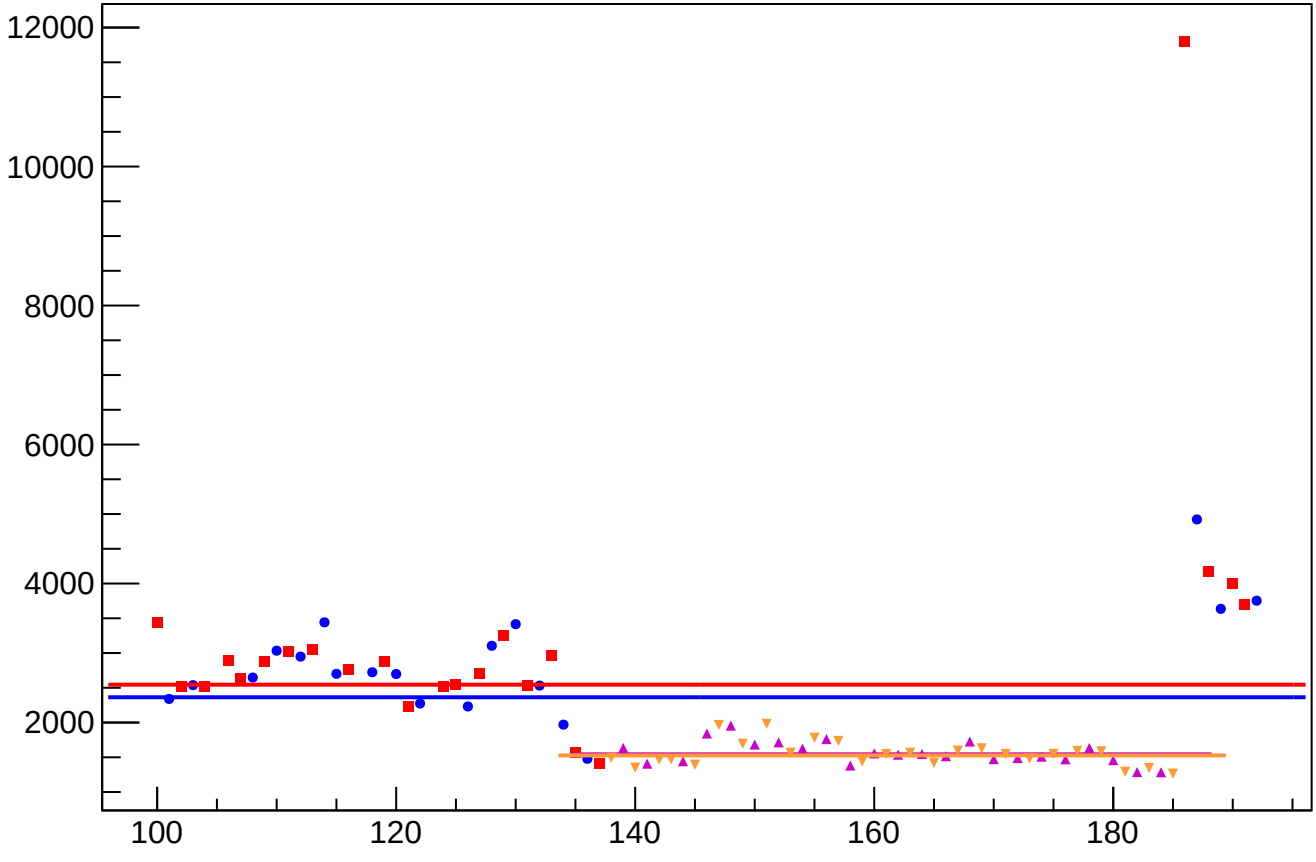
Right: 760.182+/-600.097 χ^2/NDF: 44.1/41

In: 182.539+/-332.136 χ^2/NDF:55.7/41

Out: 288.801+/-324.398 χ^2/NDF:62.6/47

All: 236.922+/-232.072 χ^2/NDF: 118.3/89

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: 2544.409+/-0.616 χ^2/NDF: 1758934.5/22

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

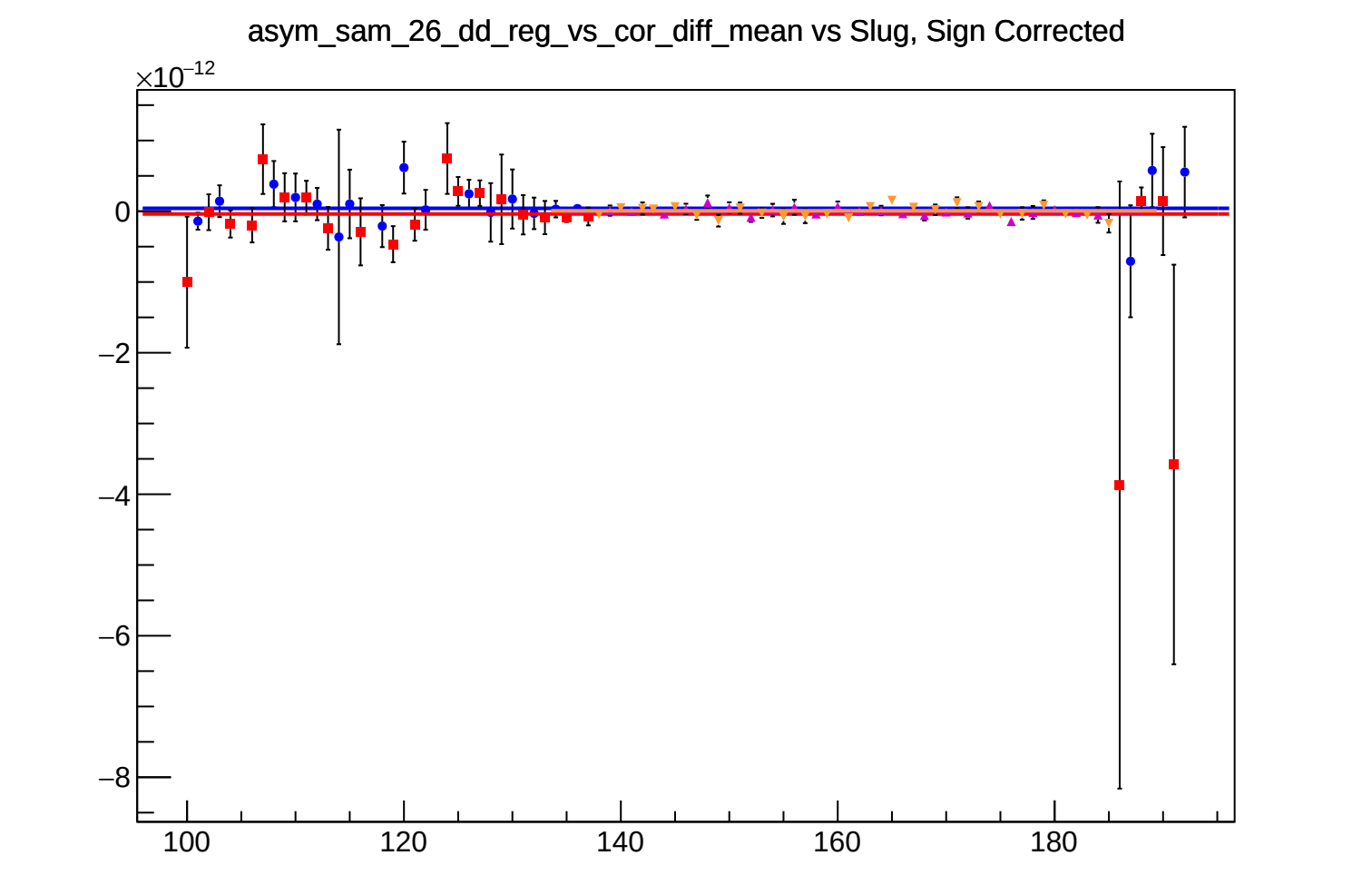
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2449.452+/-0.424 χ^2/NDF: 3271397.8/41

In: 1674.260+/-0.235 χ^2/NDF:3478703.7/41

Out: 1668.066+/-0.229 χ^2/NDF:4542432.1/47

All: 1671.090+/-0.164 χ^2/NDF: 8021491.8/89



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: 21.7/22

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

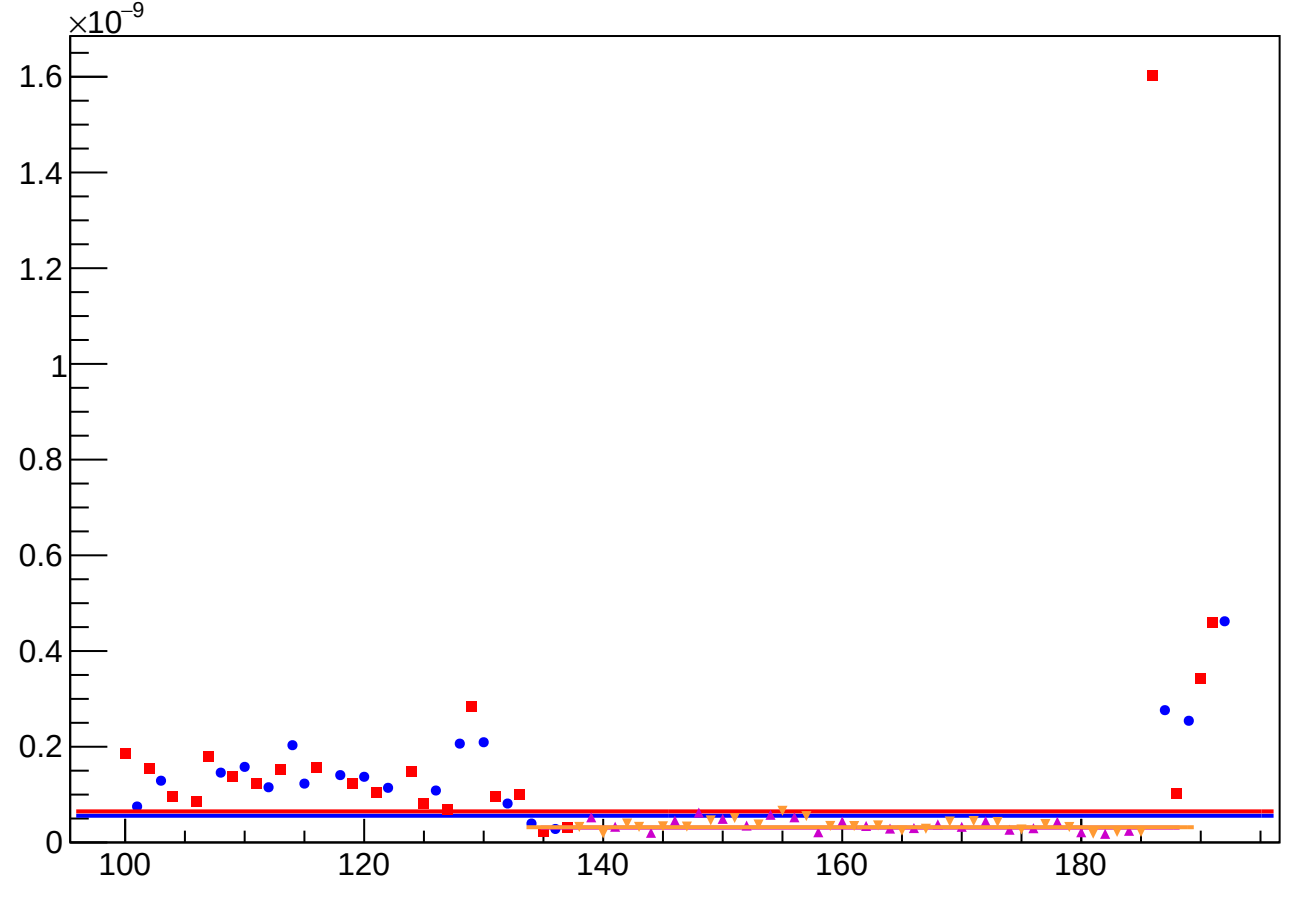
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 34.8/41

In: -0.000+/-0.000 χ^2/NDF:29.8/41

Out: 0.000+/-0.000 χ^2/NDF:53.5/47

All: -0.000+/-0.000 χ^2/NDF: 83.5/89



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: 3066532.0/22

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

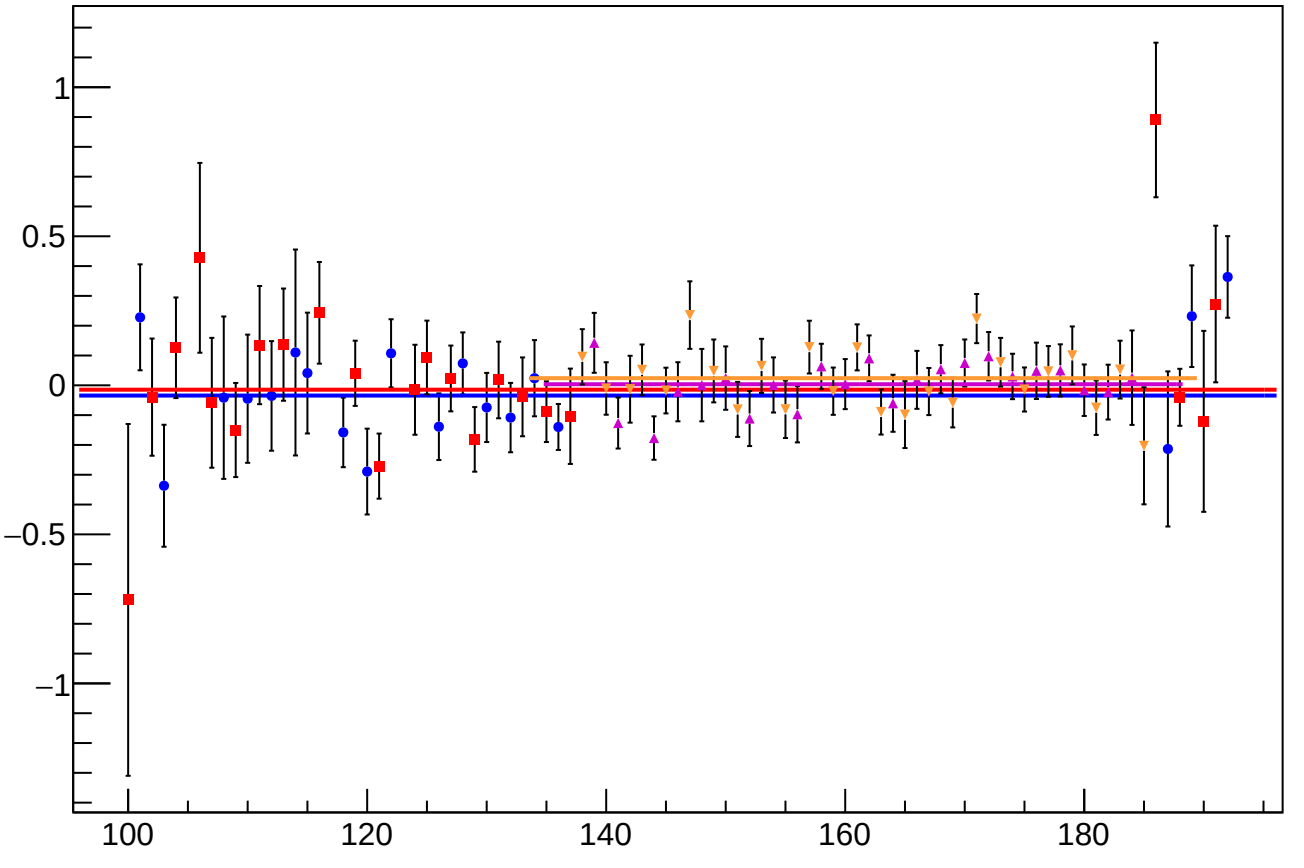
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6962787.1/41

In: 0.000+/-0.000 χ^2/NDF:6274580.6/41

Out: 0.000+/-0.000 χ^2/NDF:5435915.4/47

All: 0.000+/-0.000 χ^2/NDF: 11713684.7/89



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: -0.015+/-0.031 χ^2/NDF: 31.9/22

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

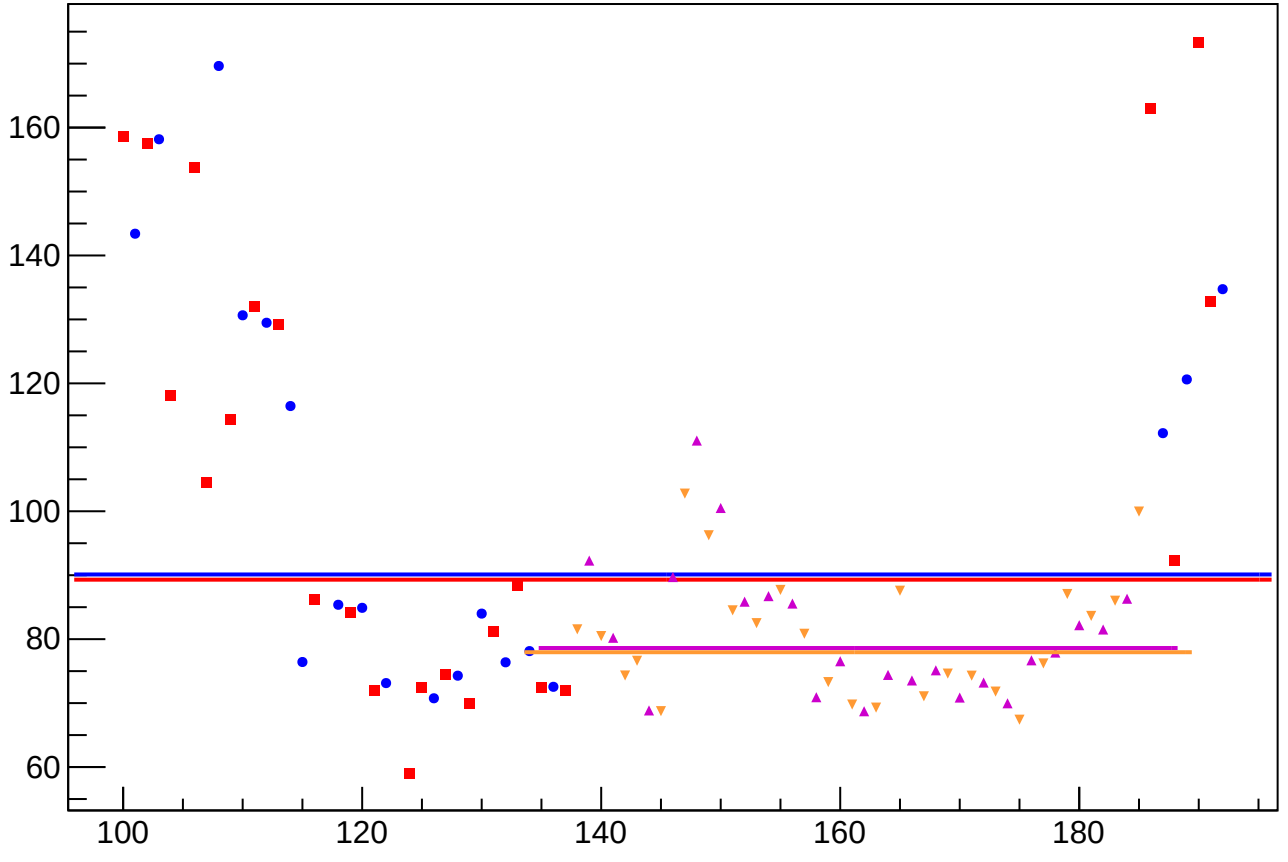
Right: -0.024+/-0.022 χ^2/NDF: 58.4/41

In: -0.006+/-0.016 χ^2/NDF:46.3/41

Out: 0.014+/-0.015 χ^2/NDF:58.6/47

All: 0.004+/-0.011 χ^2/NDF: 105.7/89

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 89.302+/-0.022 χ^2/NDF: 1382432.6/22

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

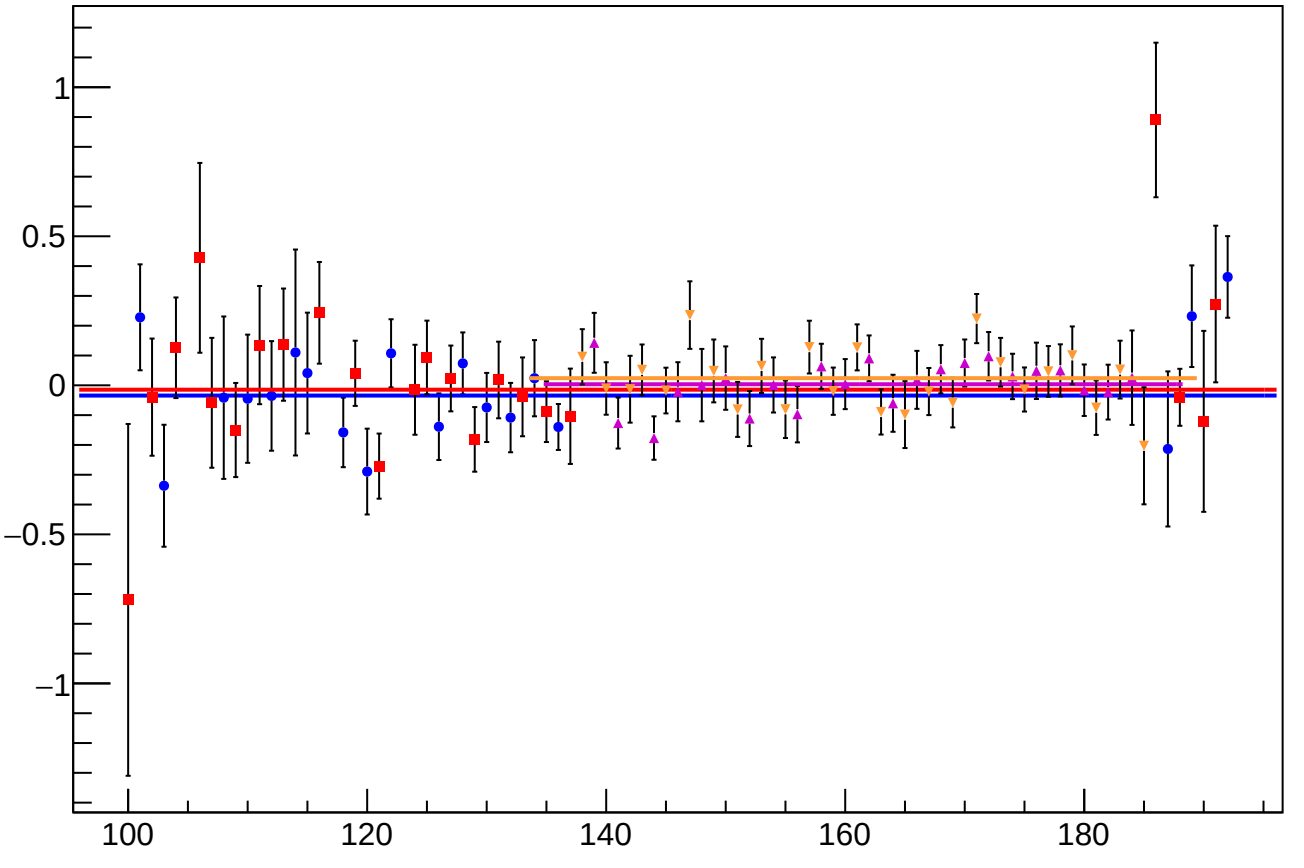
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 89.696+/-0.016 χ^2/NDF: 2740462.0/41

In: 81.571+/-0.011 χ^2/NDF:2052423.8/41

Out: 80.843+/-0.011 χ^2/NDF:2027522.2/47

All: 81.194+/-0.008 χ^2/NDF: 4082092.6/89



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: -0.015+/-0.031 χ^2/NDF: 31.9/22

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

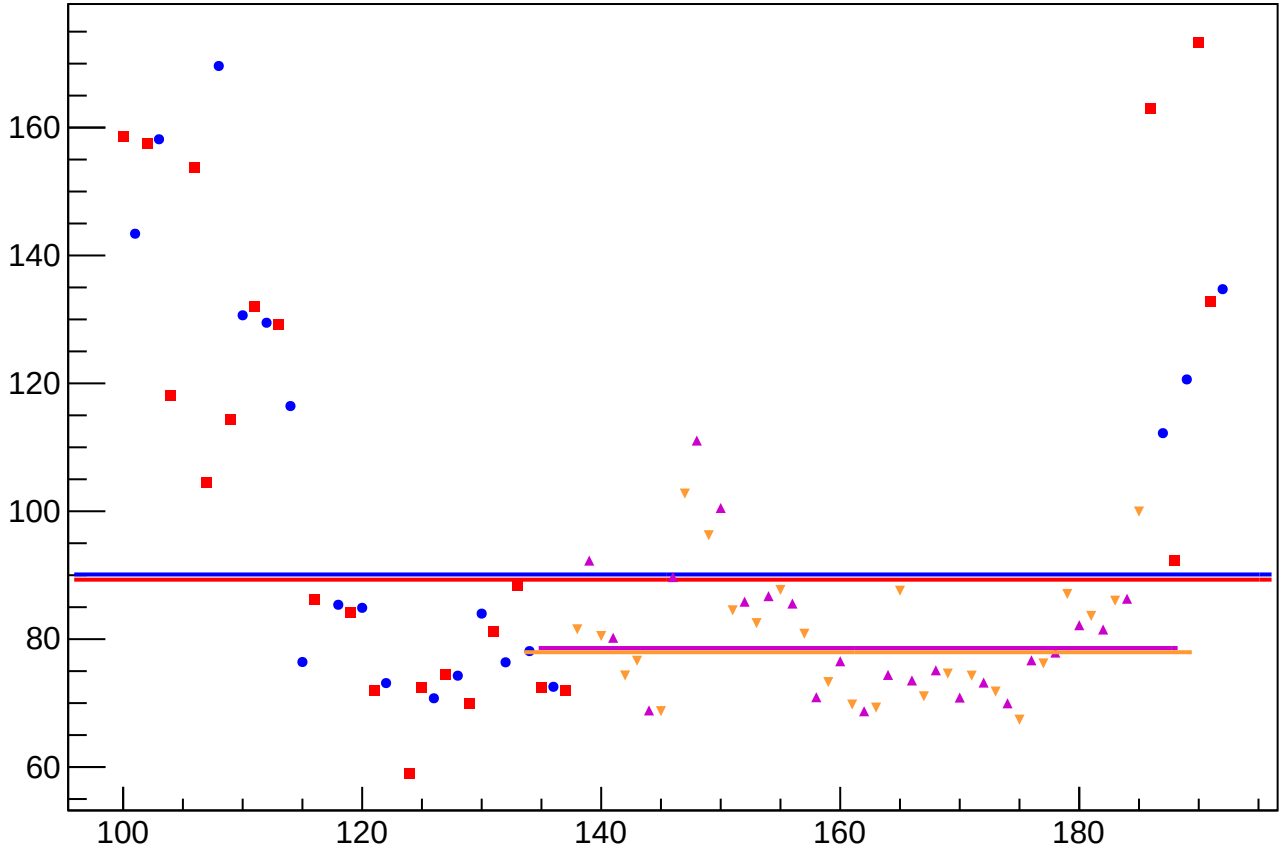
Right: -0.024+/-0.022 χ^2/NDF: 58.4/41

In: -0.006+/-0.016 χ^2/NDF:46.3/41

Out: 0.014+/-0.015 χ^2/NDF:58.6/47

All: 0.004+/-0.011 χ^2/NDF: 105.7/89

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 89.302+/-0.022 χ^2/NDF: 1382432.6/22

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

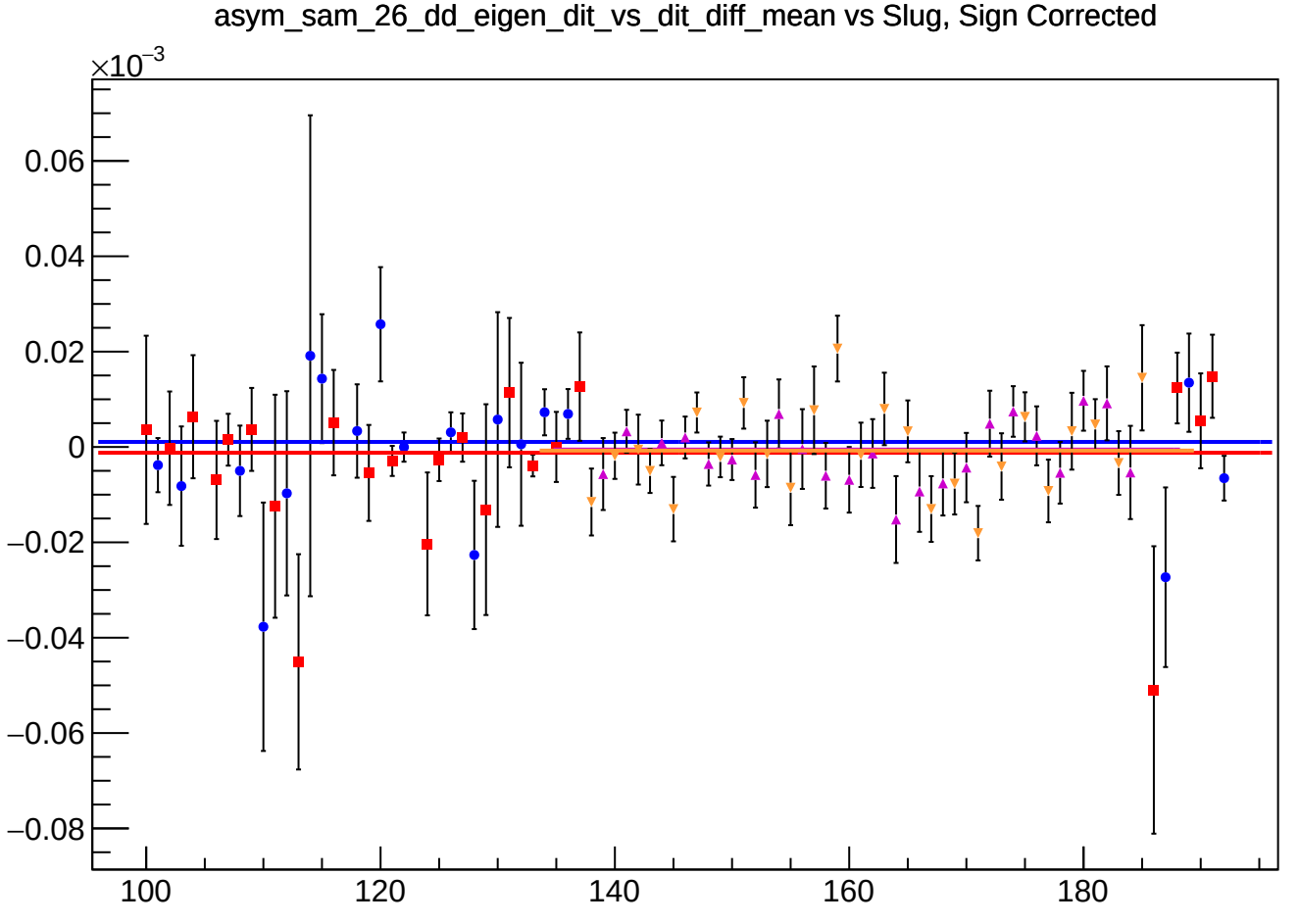
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 89.696+/-0.016 χ^2/NDF: 2740462.0/41

In: 81.571+/-0.011 χ^2/NDF:2052423.8/41

Out: 80.843+/-0.011 χ^2/NDF:2027522.2/47

All: 81.194+/-0.008 χ^2/NDF: 4082092.6/89



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: 21.9/22

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

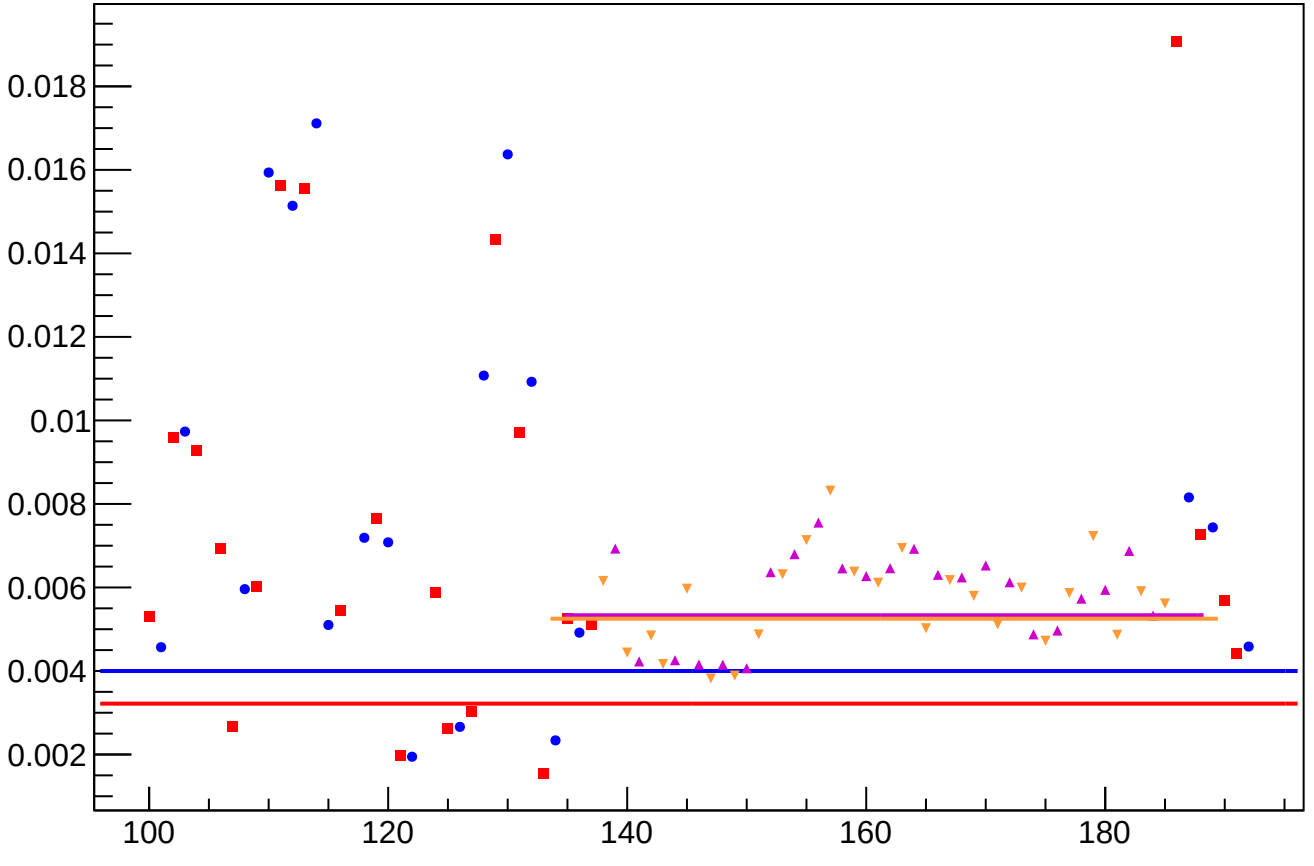
Right: -0.000+/-0.000 χ^2/NDF: 44.6/41

In: 0.000+/-0.000 χ^2/NDF:40.8/41

Out: -0.000+/-0.000 χ^2/NDF:69.5/47

All: -0.000+/-0.000 χ^2/NDF: 110.9/89

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: 6924860.9/22

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

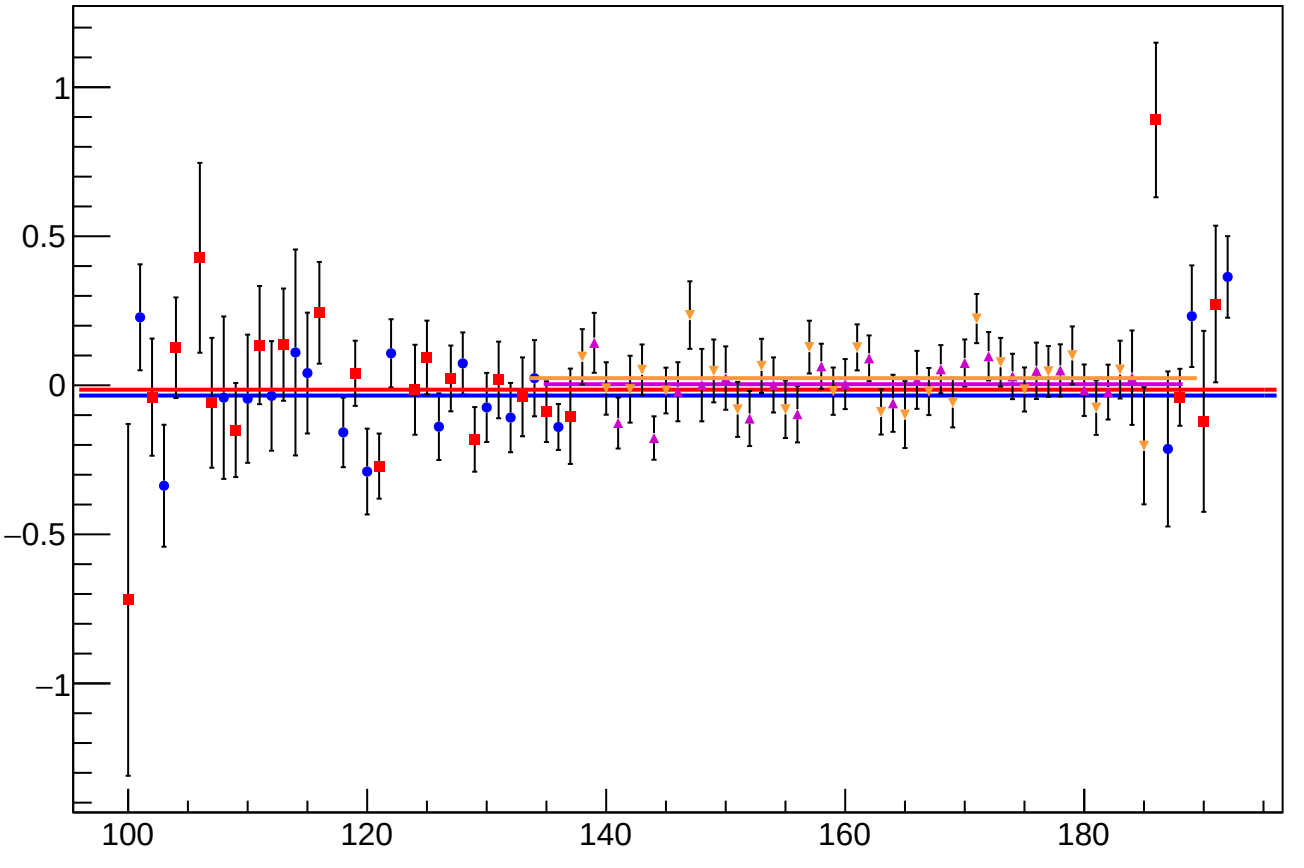
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.004+/-0.000 χ^2/NDF: 12277871.0/41

In: 0.005+/-0.000 χ^2/NDF:7426779.4/41

Out: 0.004+/-0.000 χ^2/NDF:10934337.6/47

All: 0.005+/-0.000 χ^2/NDF: 18619066.9/89



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: -0.015+/-0.031 χ^2/NDF: 31.9/22

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

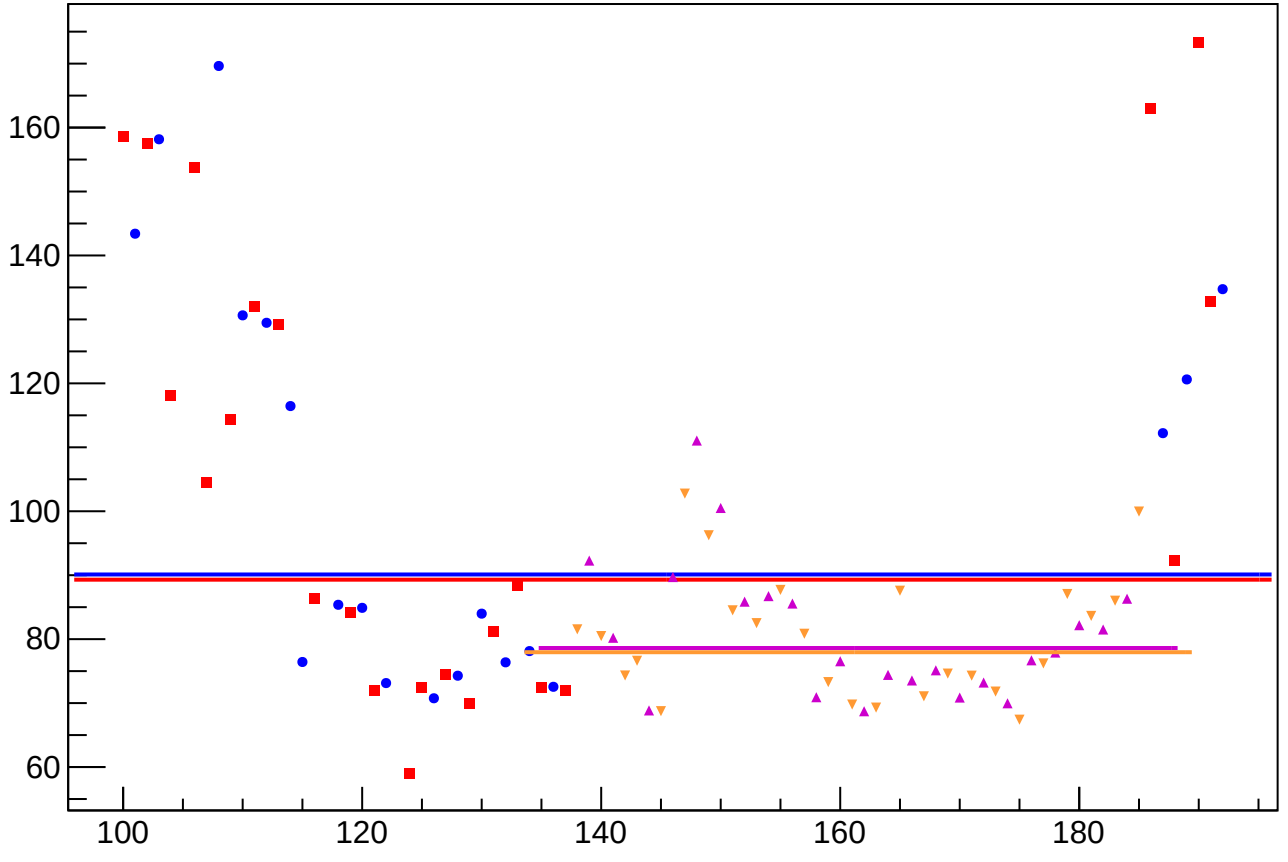
Right: -0.024+/-0.022 χ^2/NDF: 58.5/41

In: -0.006+/-0.016 χ^2/NDF:46.3/41

Out: 0.014+/-0.015 χ^2/NDF:58.6/47

All: 0.004+/-0.011 χ^2/NDF: 105.7/89

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: 89.300+/-0.022 χ^2/NDF: 1382416.1/22

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

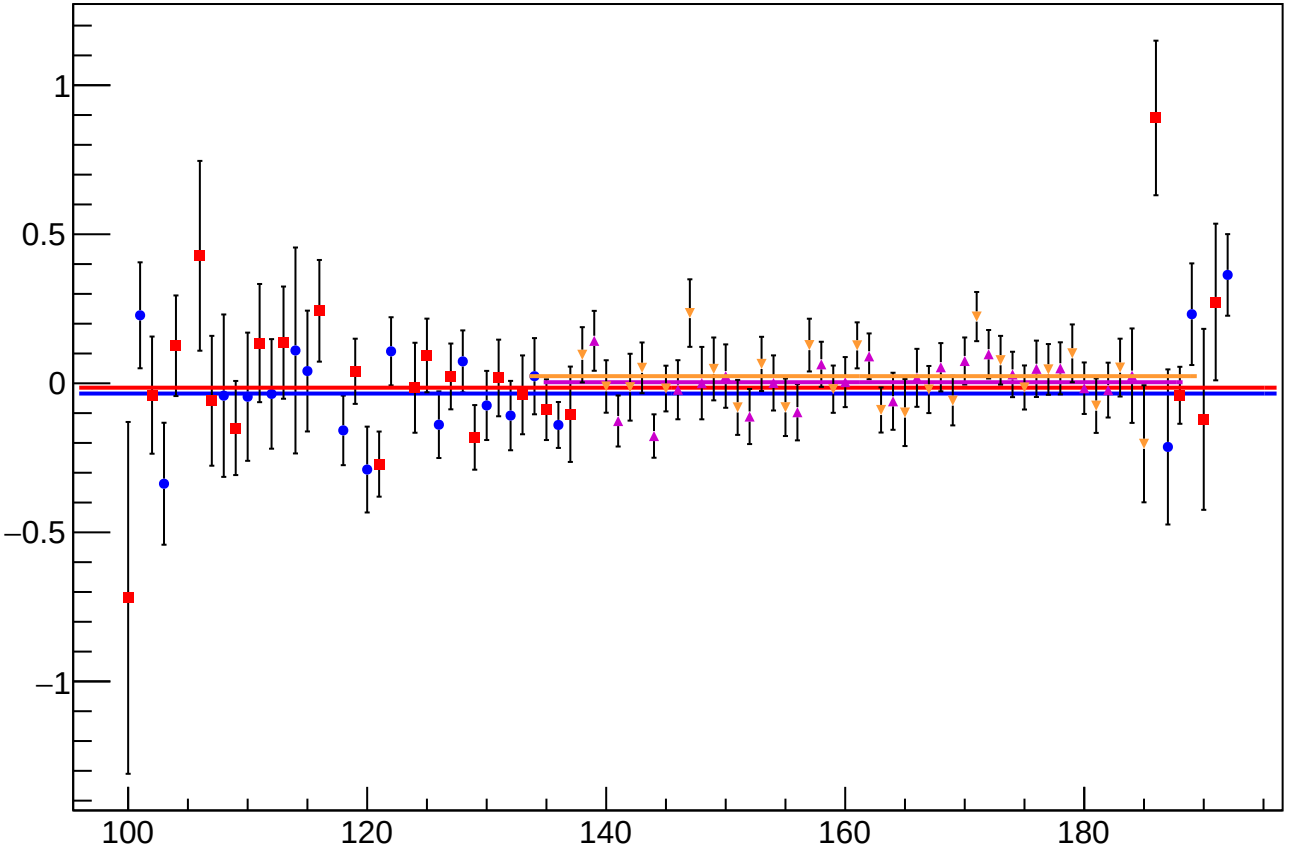
Right: 89.693+/-0.016 χ^2/NDF: 2740461.8/41

In: 81.570+/-0.011 χ^2/NDF:2052425.9/41

Out: 80.842+/-0.011 χ^2/NDF:2027493.2/47

All: 81.193+/-0.008 χ^2/NDF: 4082064.0/89

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.015+/-0.031 χ^2/NDF: 31.9/22

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

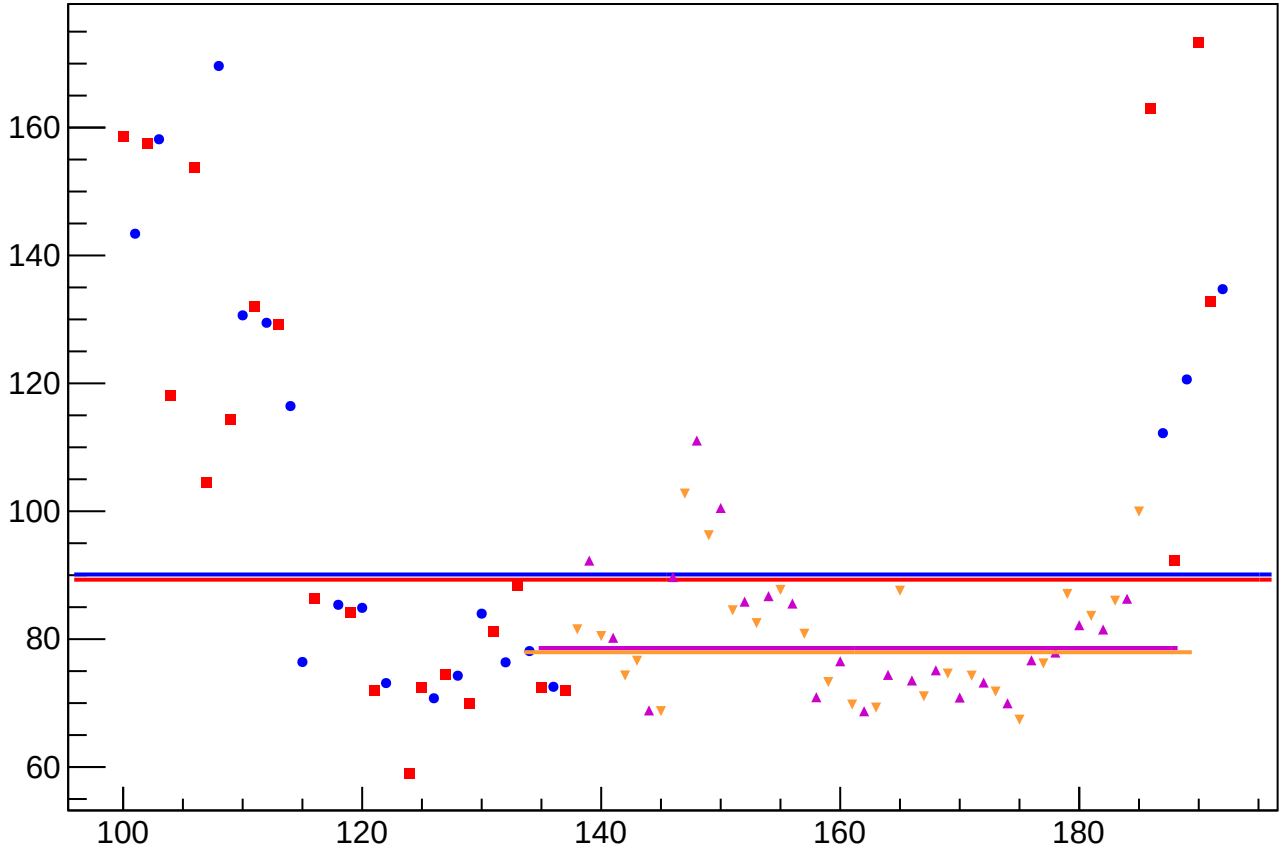
Right: -0.024+/-0.022 χ^2/NDF: 58.5/41

In: -0.006+/-0.016 χ^2/NDF:46.3/41

Out: 0.014+/-0.015 χ^2/NDF:58.6/47

All: 0.004+/-0.011 χ^2/NDF: 105.7/89

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: 89.300+/-0.022 χ^2/NDF: 1382416.1/22

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

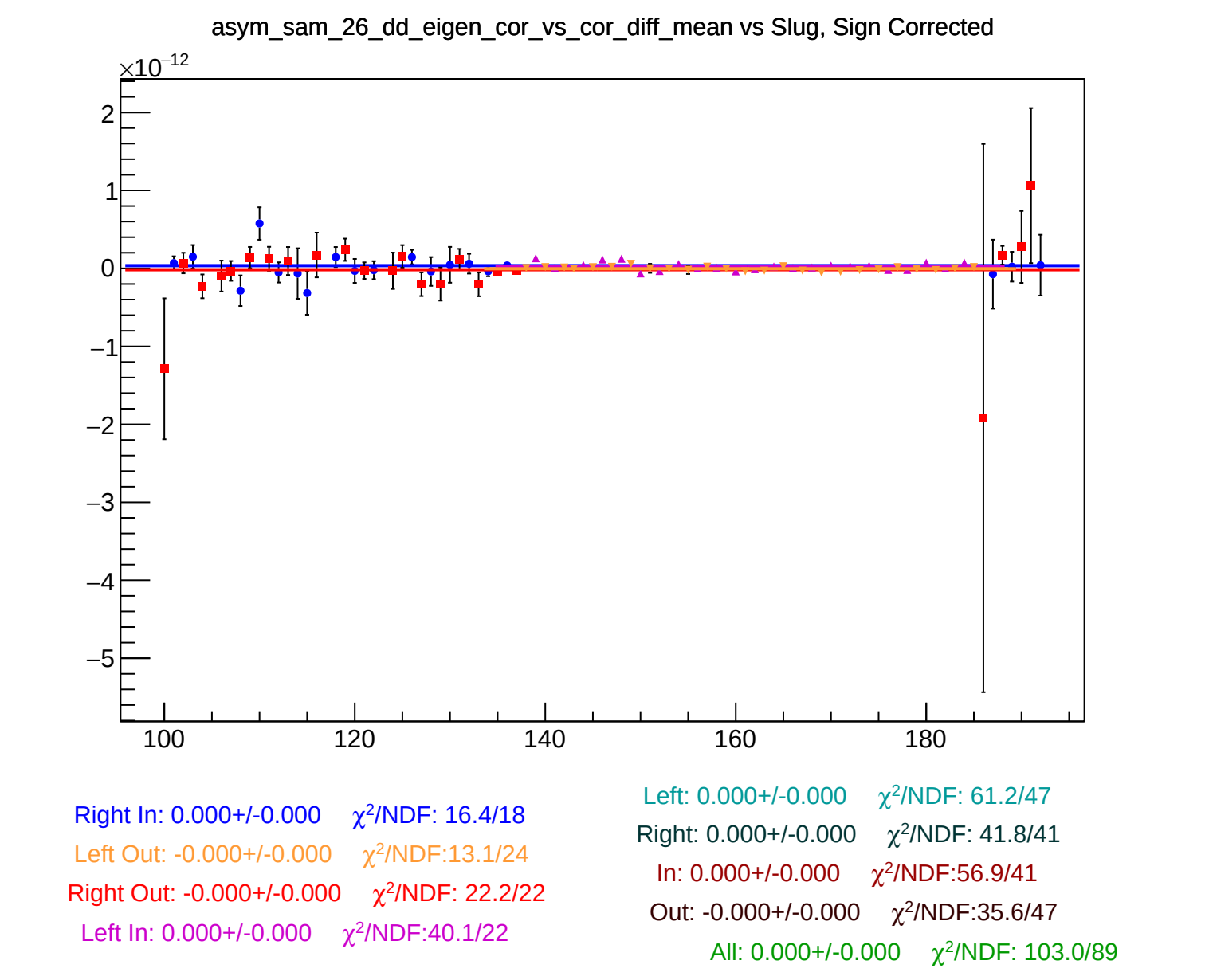
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

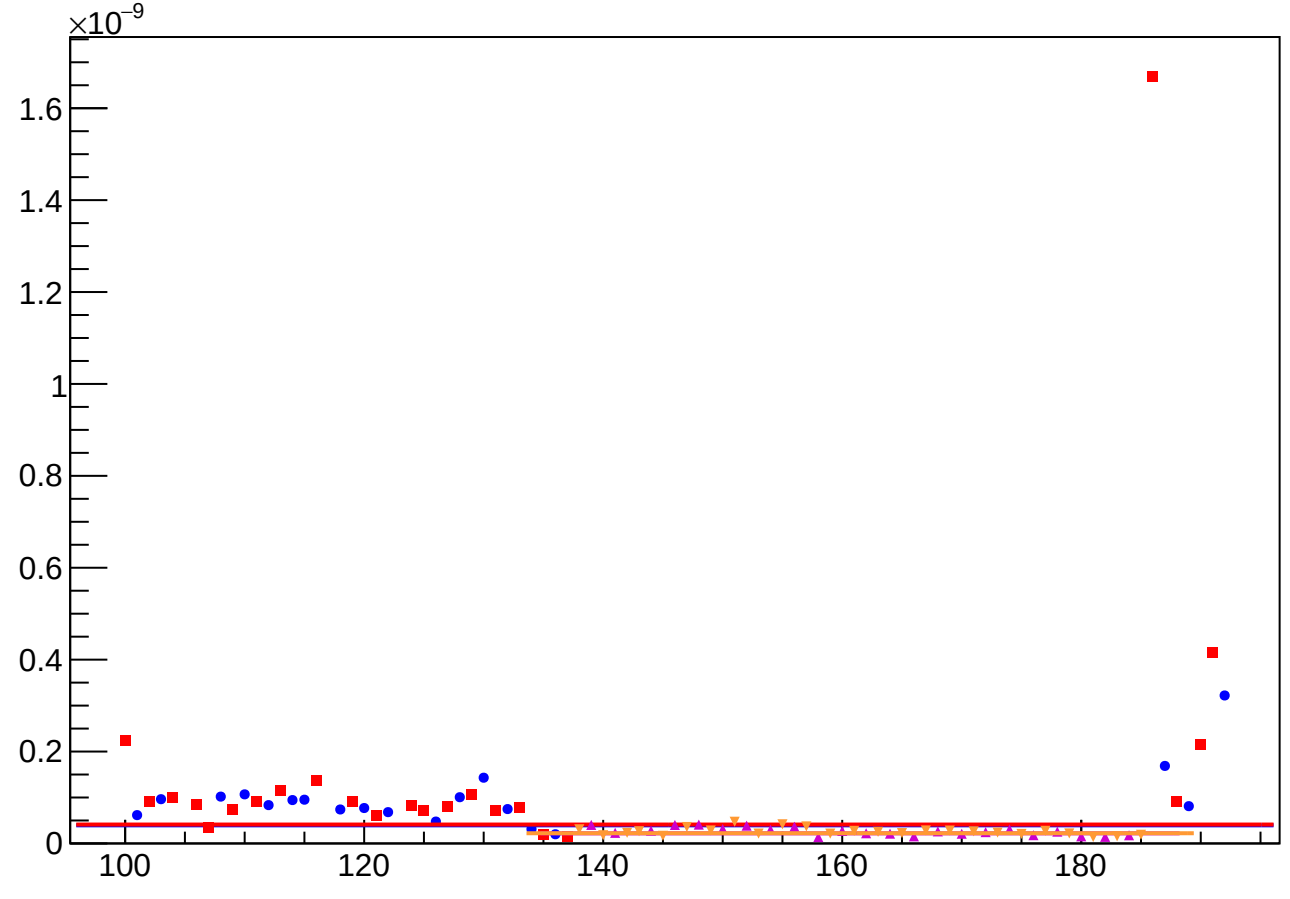
Right: 89.693+/-0.016 χ^2/NDF: 2740461.8/41

In: 81.570+/-0.011 χ^2/NDF:2052425.9/41

Out: 80.842+/-0.011 χ^2/NDF:2027493.2/47

All: 81.193+/-0.008 χ^2/NDF: 4082064.0/89


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: 22.2/22
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: 41.8/41
In: 0.000+/-0.000 χ²/NDF:56.9/41
Out: -0.000+/-0.000 χ²/NDF:35.6/47
All: 0.000+/-0.000 χ²/NDF: 103.0/89



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: 5496869.5/22

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

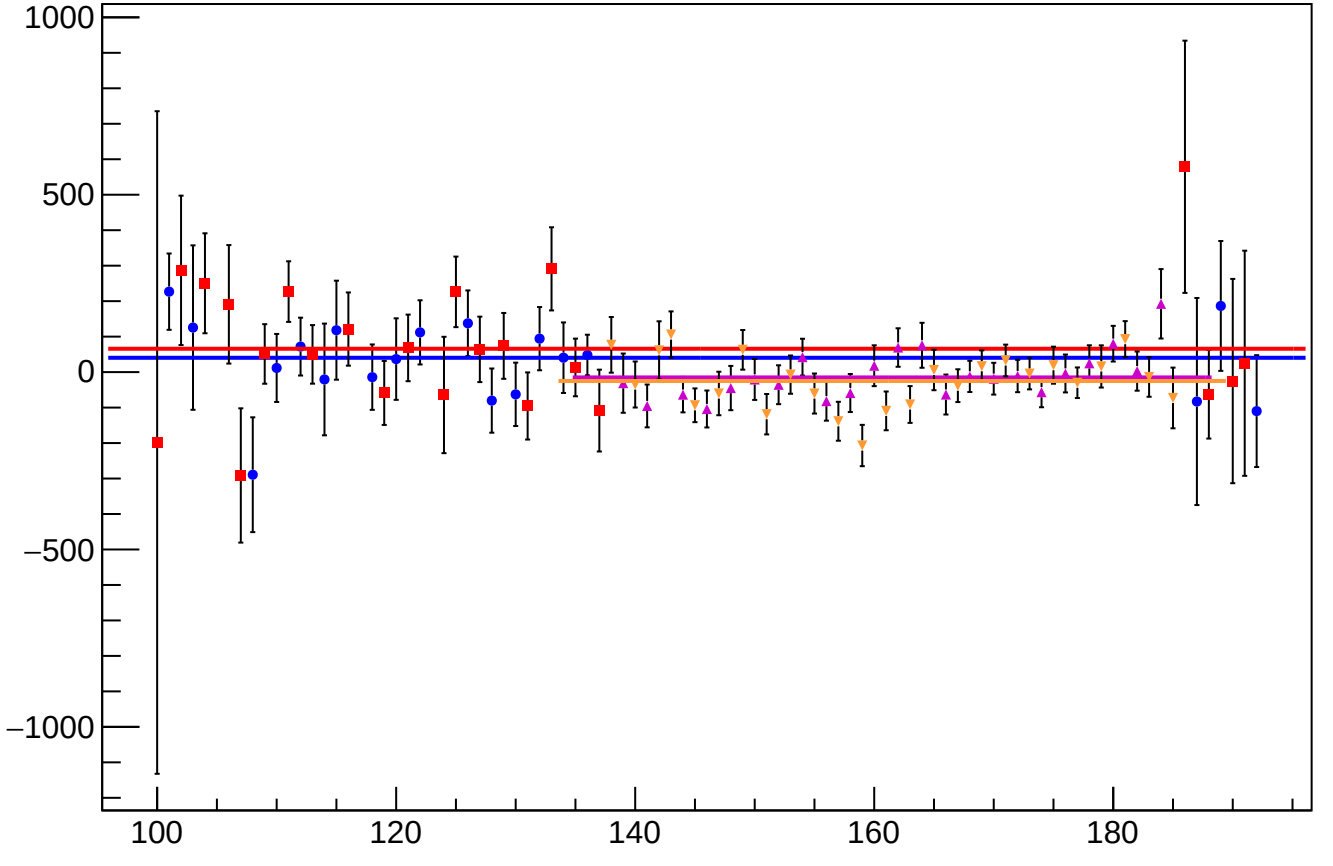
Right: 0.000+/-0.000 χ^2/NDF: 10290681.7/41

In: 0.000+/-0.000 χ^2/NDF:8907538.8/41

Out: 0.000+/-0.000 χ^2/NDF:9196391.4/47

All: 0.000+/-0.000 χ^2/NDF: 18104114.6/89

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: 65.863+/-23.761 χ^2/NDF: 28.6/22

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

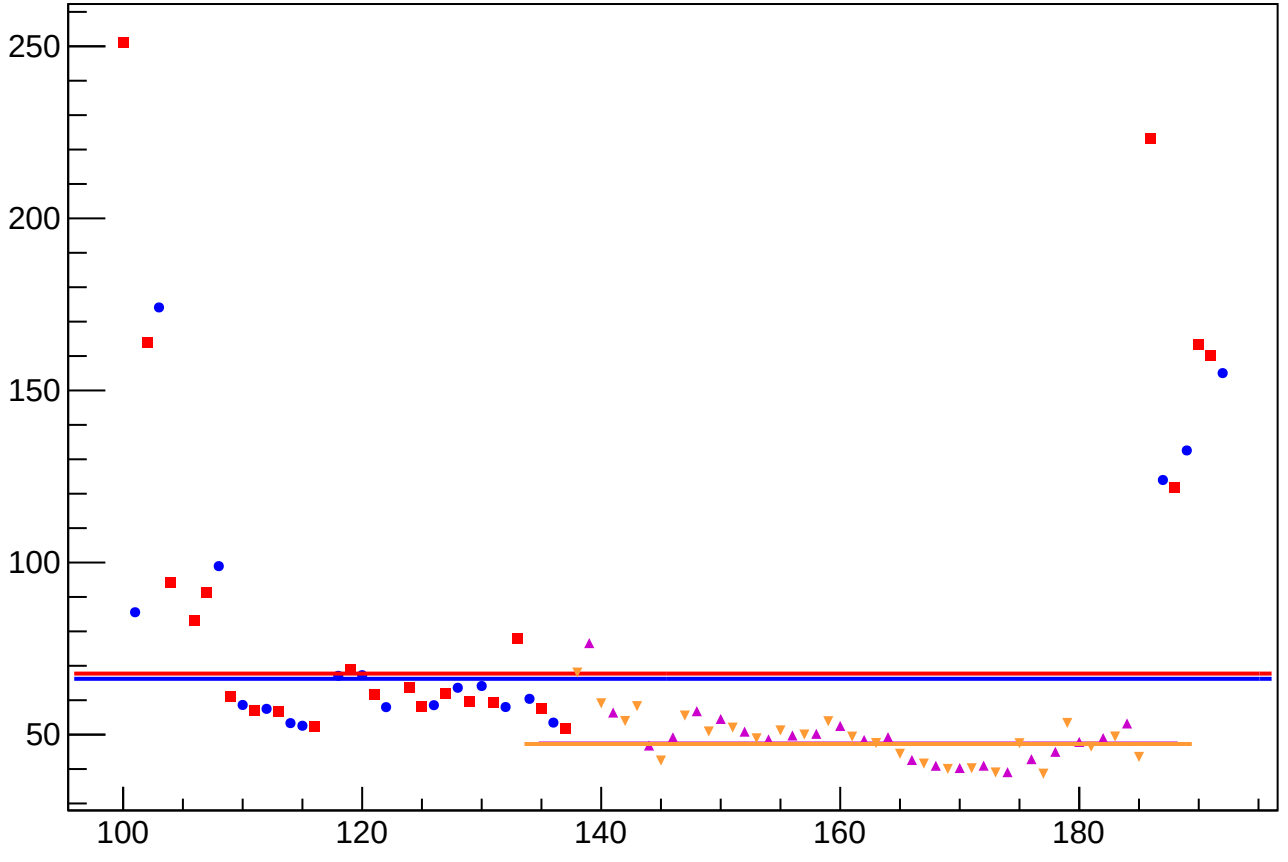
Right: 53.062+/-16.761 χ^2/NDF: 44.5/41

In: -4.821+/-10.135 χ^2/NDF:44.5/41

Out: -9.223+/-9.898 χ^2/NDF:83.8/47

All: -7.074+/-7.081 χ^2/NDF: 128.4/89

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



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: 67.737+/-0.017 χ^2/NDF: 2036924.7/22

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

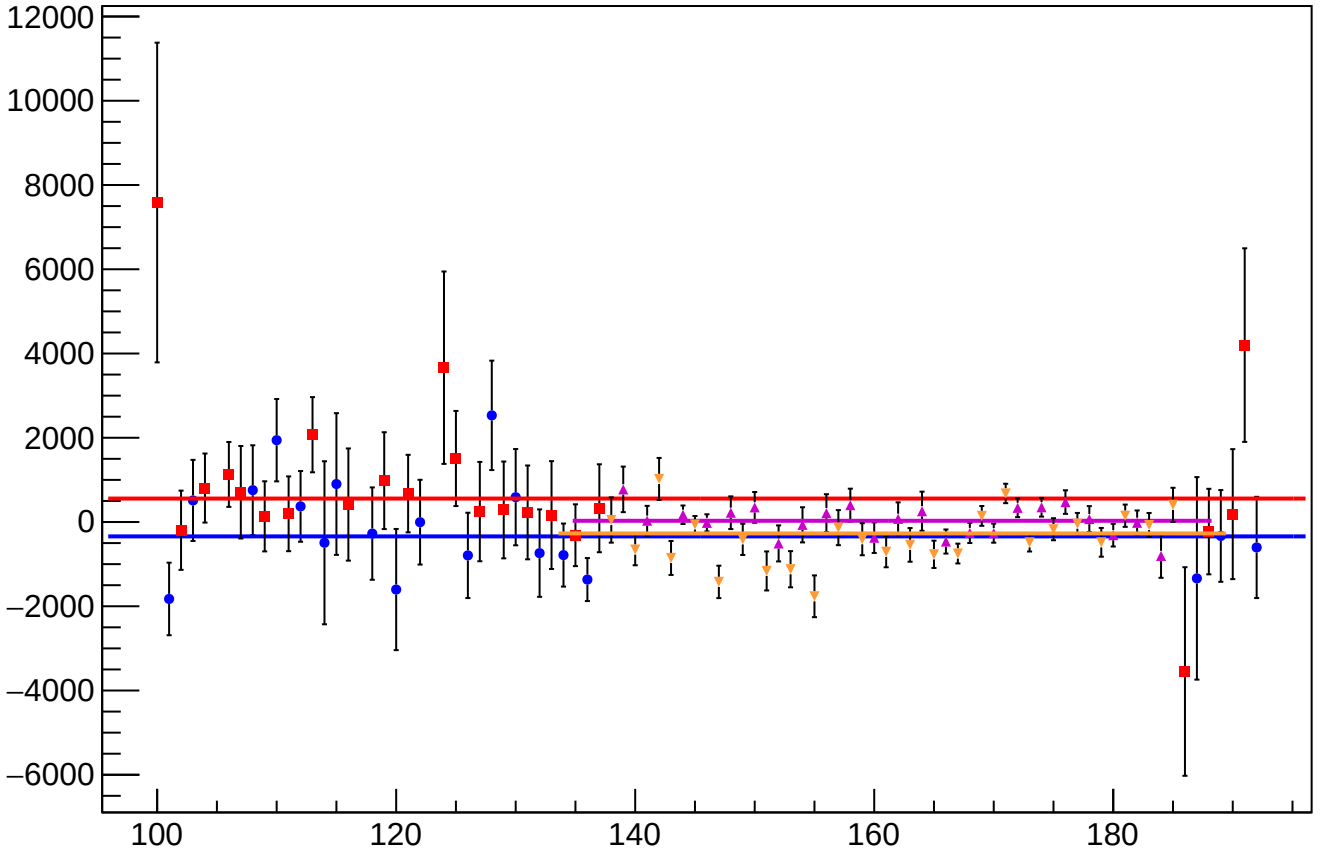
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 66.974+/-0.012 χ^2/NDF: 3821327.6/41

In: 50.877+/-0.007 χ^2/NDF:3467193.4/41

Out: 50.833+/-0.007 χ^2/NDF:3978918.2/47

All: 50.855+/-0.005 χ^2/NDF: 7446131.6/89



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: 556.967+/-223.263 χ^2/NDF: 18.4/22

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

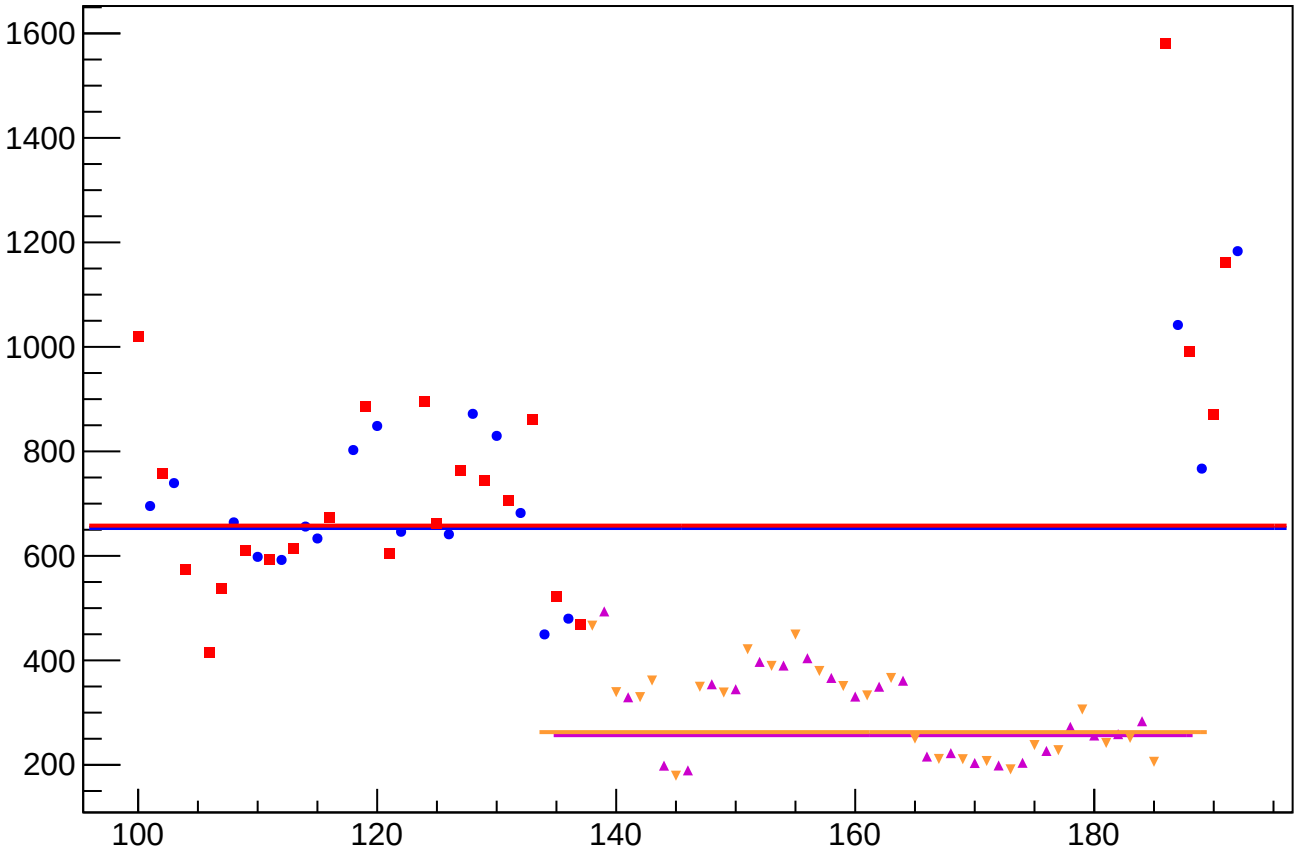
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 116.619+/-159.407 χ^2/NDF: 49.3/41

In: 3.105+/-60.423 χ^2/NDF:49.8/41

Out: -211.135+/-60.049 χ^2/NDF:105.1/47

All: -104.681+/-42.593 χ^2/NDF: 161.2/89



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: 657.920+/-0.158 χ^2/NDF: 1257070.4/22

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

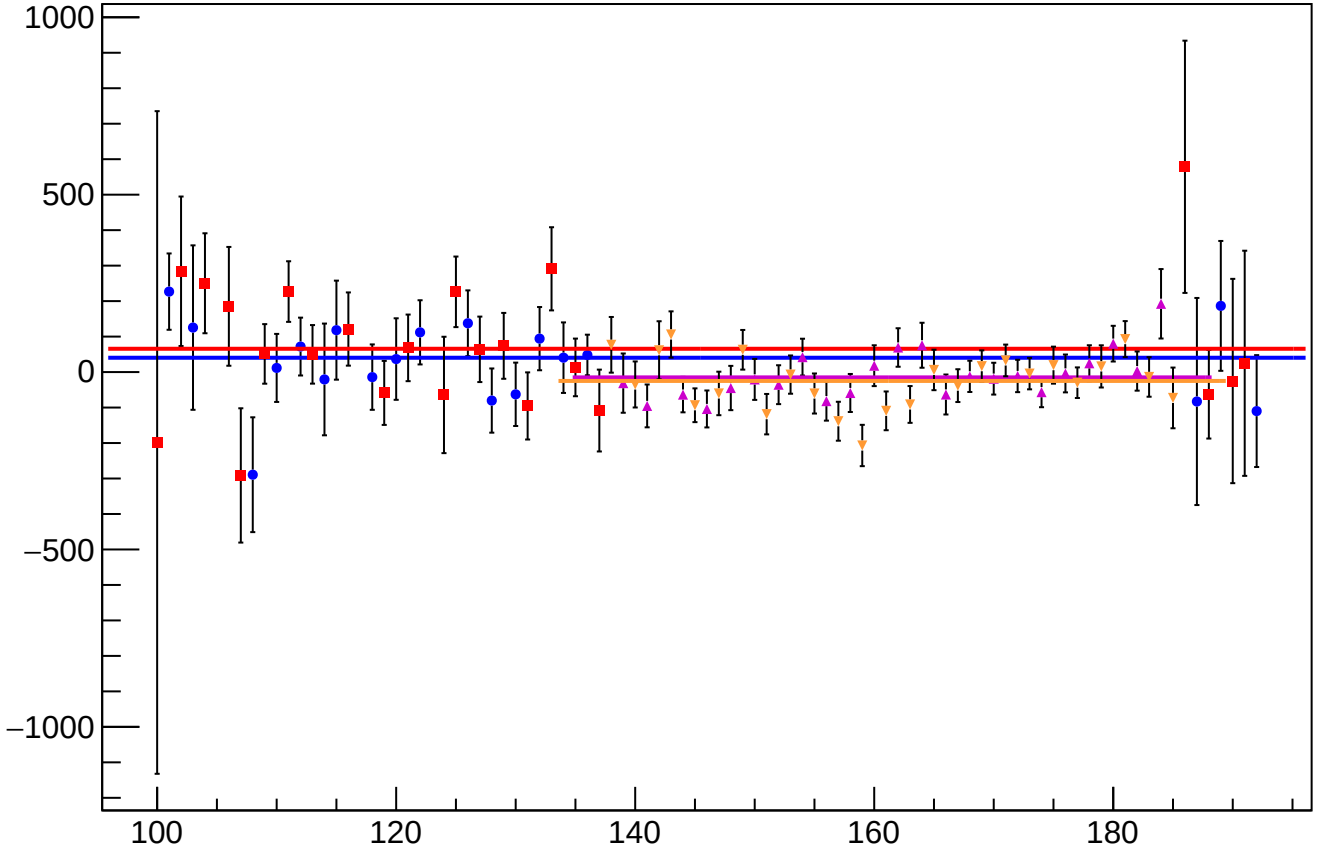
Right: 655.672+/-0.113 χ^2/NDF: 2318033.7/41

In: 284.769+/-0.043 χ^2/NDF:9338219.8/41

Out: 291.270+/-0.042 χ^2/NDF:9964812.6/47

All: 288.040+/-0.030 χ^2/NDF: 19314679.9/89

cor_asym_sam_37_dd_mean vs Slug, Sign Corrected



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: 65.688+/-23.762 χ^2/NDF: 28.6/22

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

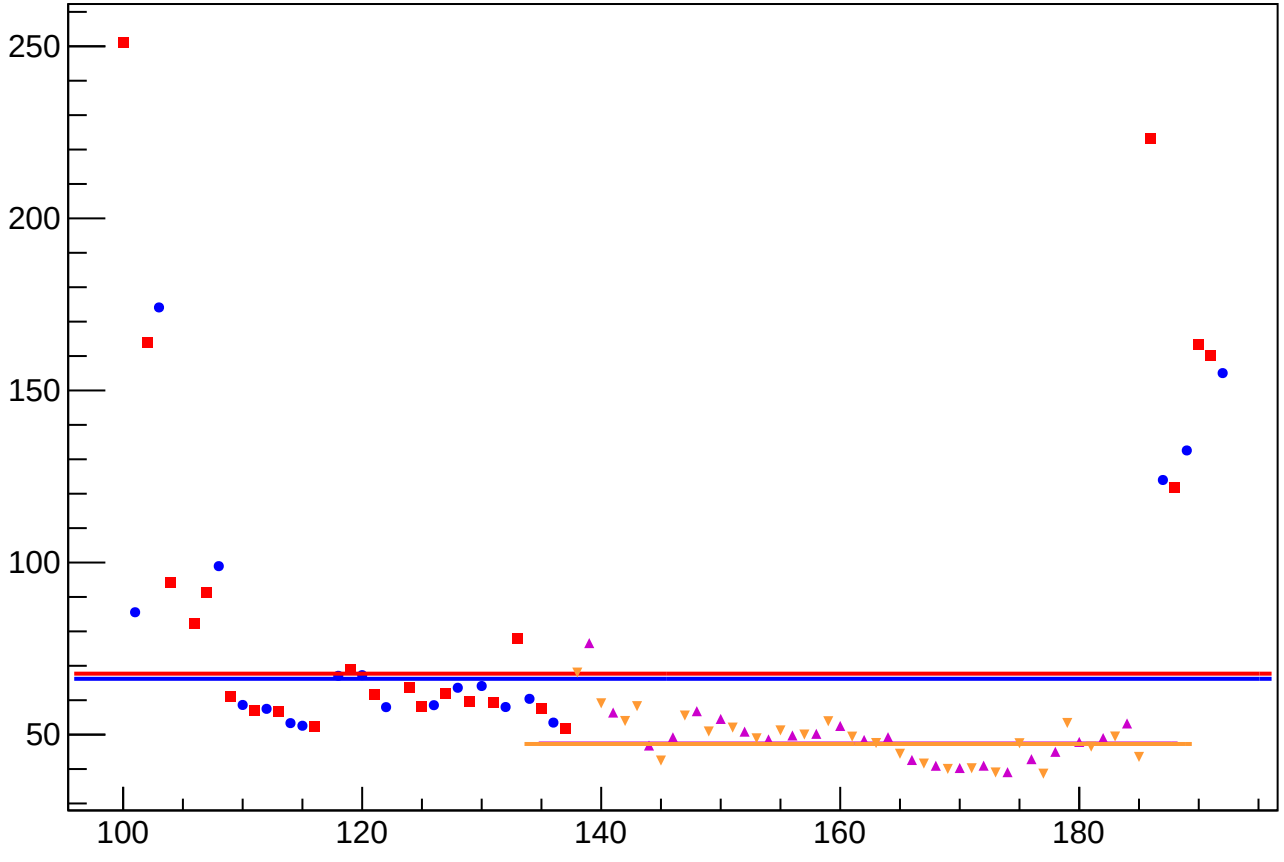
Right: 52.971+/-16.761 χ^2/NDF: 44.4/41

In: -4.820+/-10.135 χ^2/NDF:44.5/41

Out: -9.252+/-9.898 χ^2/NDF:83.7/47

All: -7.089+/-7.081 χ^2/NDF: 128.3/89

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: 67.714+/-0.017 χ^2/NDF: 2034824.2/22

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

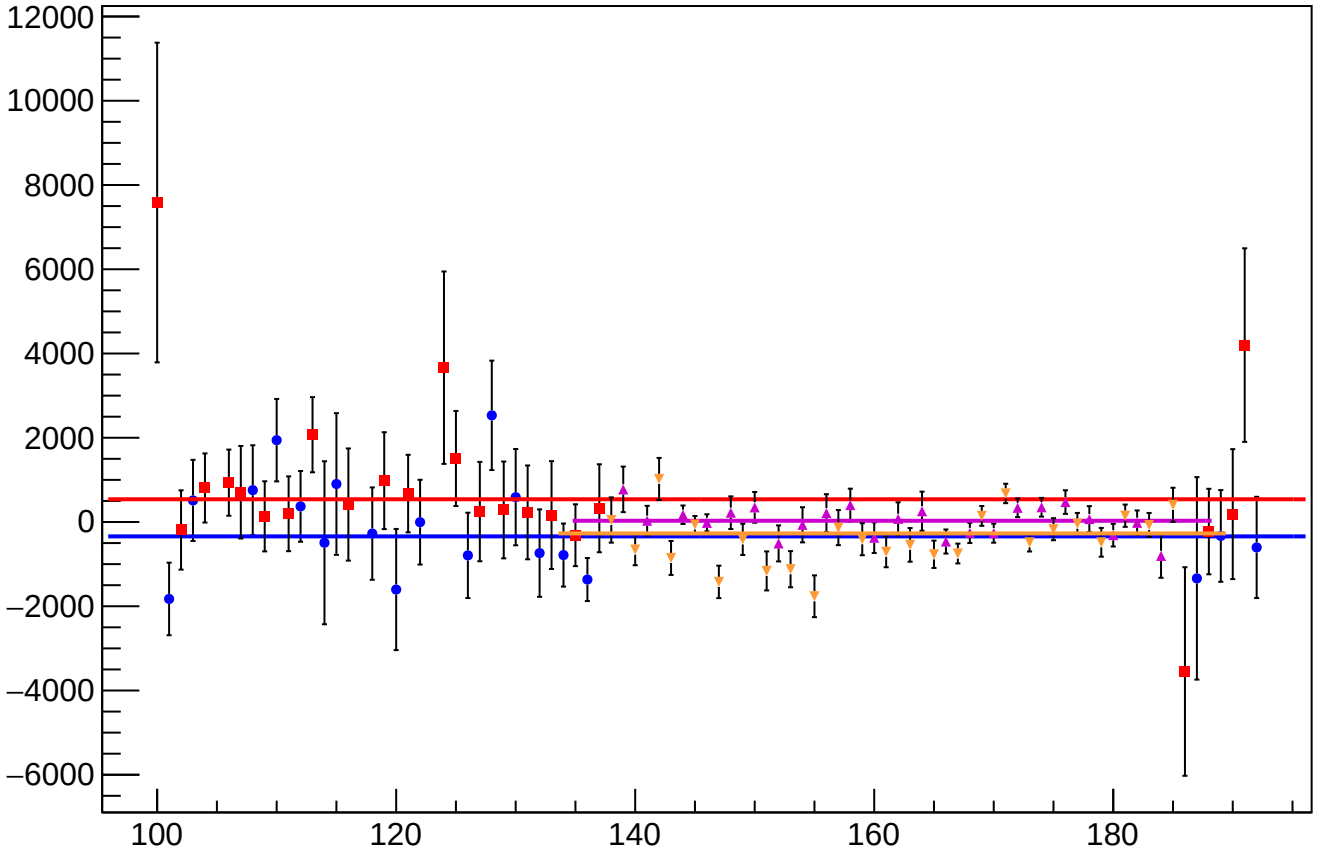
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 66.962+/-0.012 χ^2/NDF: 3819108.9/41

In: 50.877+/-0.007 χ^2/NDF:3467195.1/41

Out: 50.828+/-0.007 χ^2/NDF:3974021.2/47

All: 50.852+/-0.005 χ^2/NDF: 7441240.2/89



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: 539.783+/-223.644 χ^2/NDF: 18.1/22

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

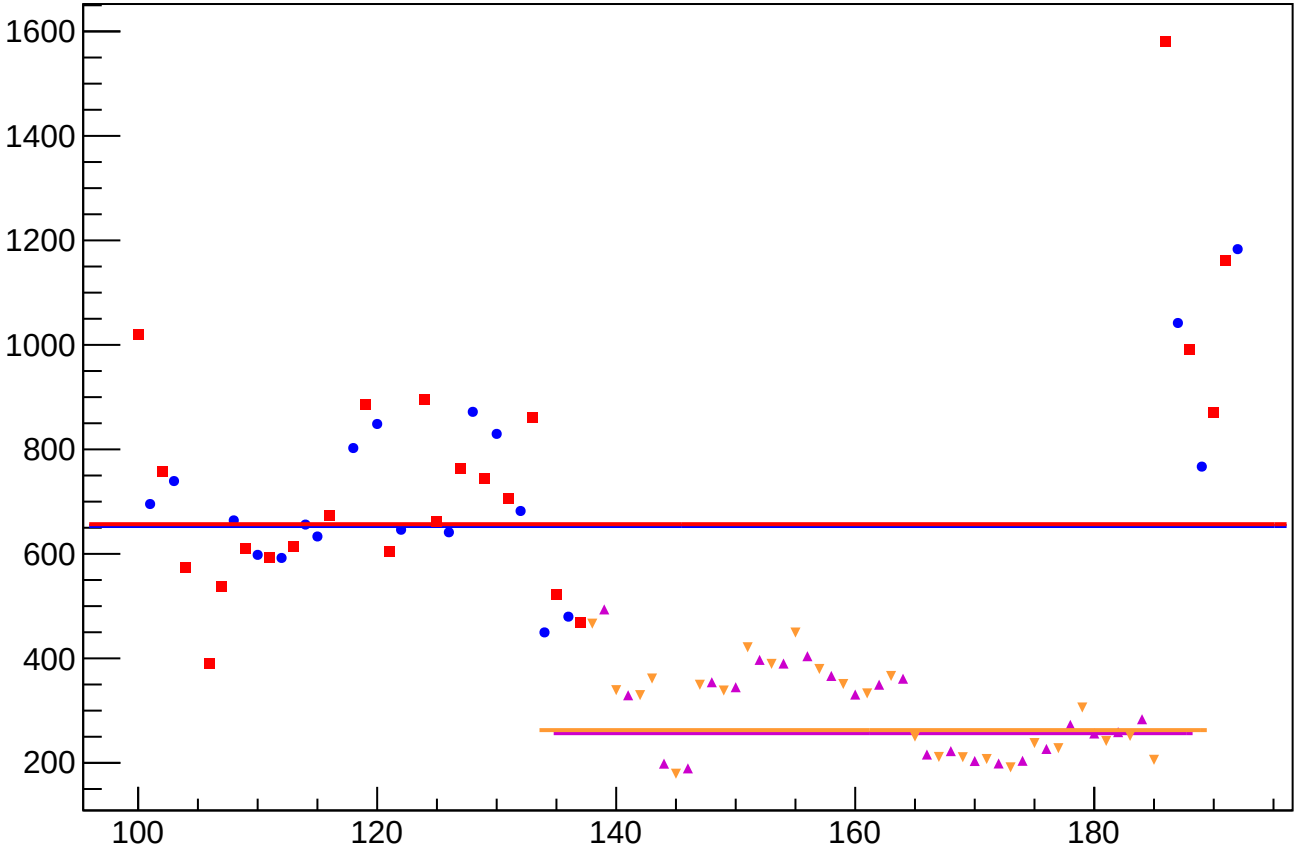
Right: 107.113+/-159.546 χ^2/NDF: 48.7/41

In: 3.107+/-60.423 χ^2/NDF:49.8/41

Out: -212.559+/-60.056 χ^2/NDF:104.2/47

All: -105.383+/-42.595 χ^2/NDF: 160.4/89

asym_sam_37_dd_cor_correction_rms vs Slug, Sign Corrected



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: 656.855+/-0.158 χ^2/NDF: 1288257.9/22

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

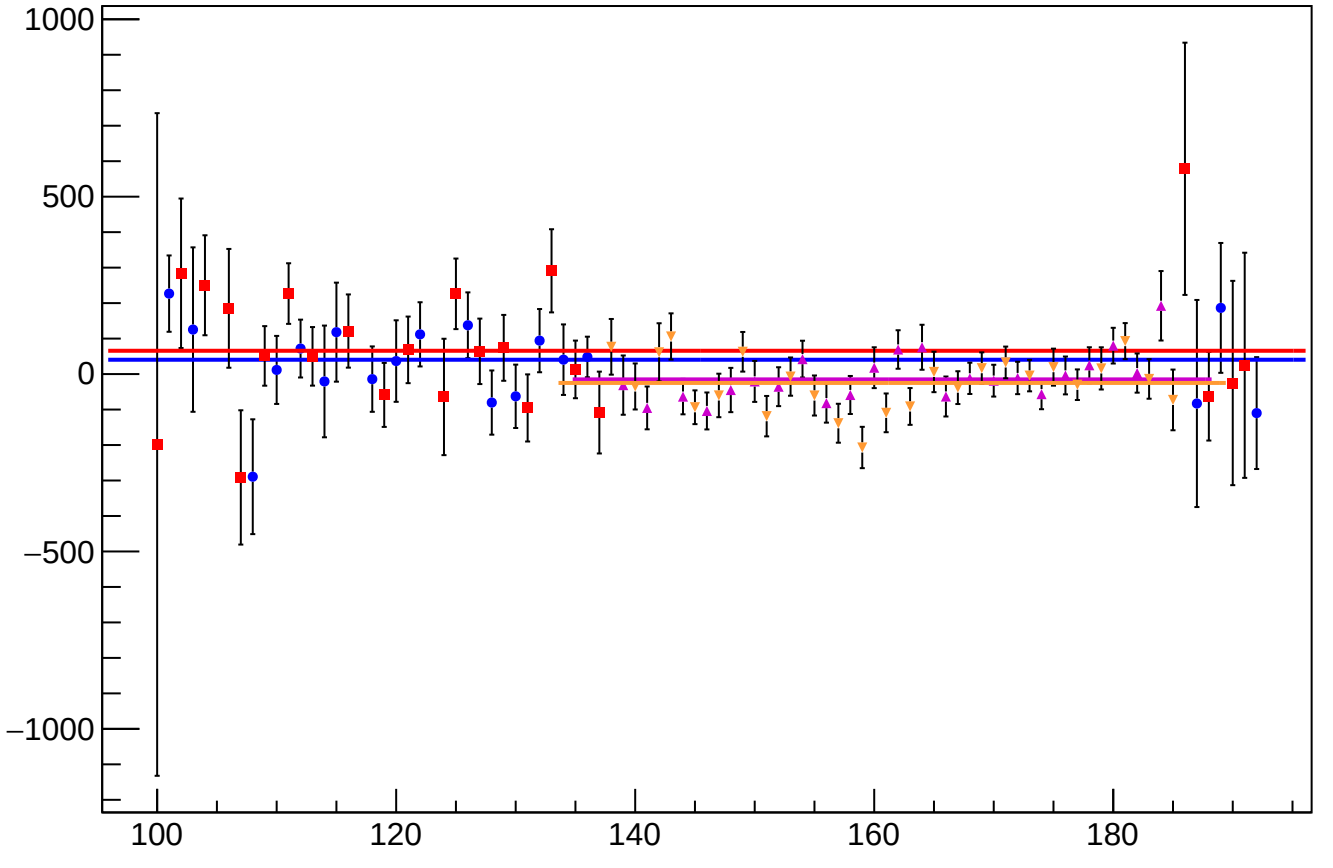
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 655.128+/-0.113 χ^2/NDF: 2349076.3/41

In: 284.769+/-0.043 χ^2/NDF:9338264.5/41

Out: 291.103+/-0.042 χ^2/NDF:9946425.4/47

All: 287.955+/-0.030 χ^2/NDF: 19295744.7/89



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: 65.688+/-23.762 χ^2/NDF: 28.6/22

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

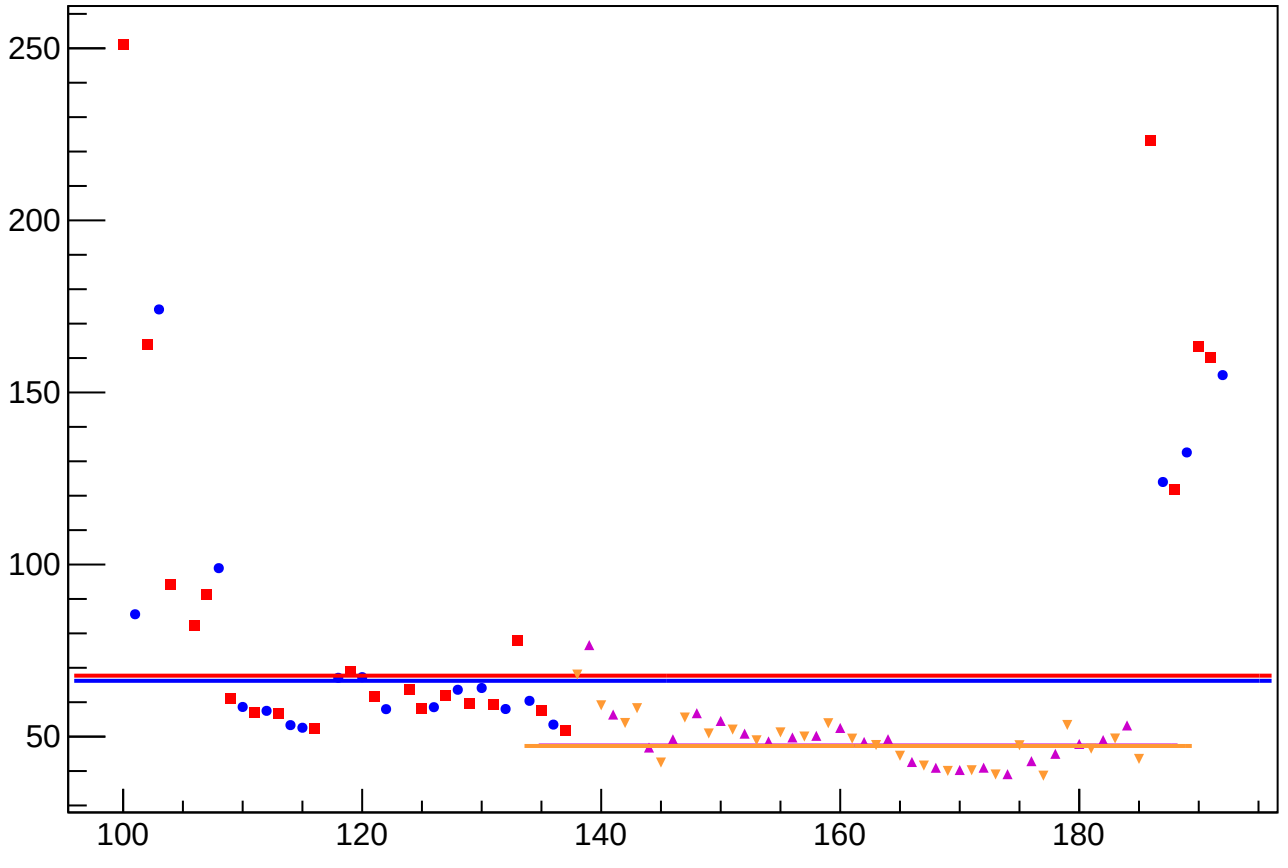
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 52.971+/-16.761 χ^2/NDF: 44.4/41

In: -4.820+/-10.135 χ^2/NDF:44.5/41

Out: -9.252+/-9.898 χ^2/NDF:83.7/47

All: -7.089+/-7.081 χ^2/NDF: 128.3/89



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: 67.714+/-0.017 χ^2/NDF: 2034824.2/22

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

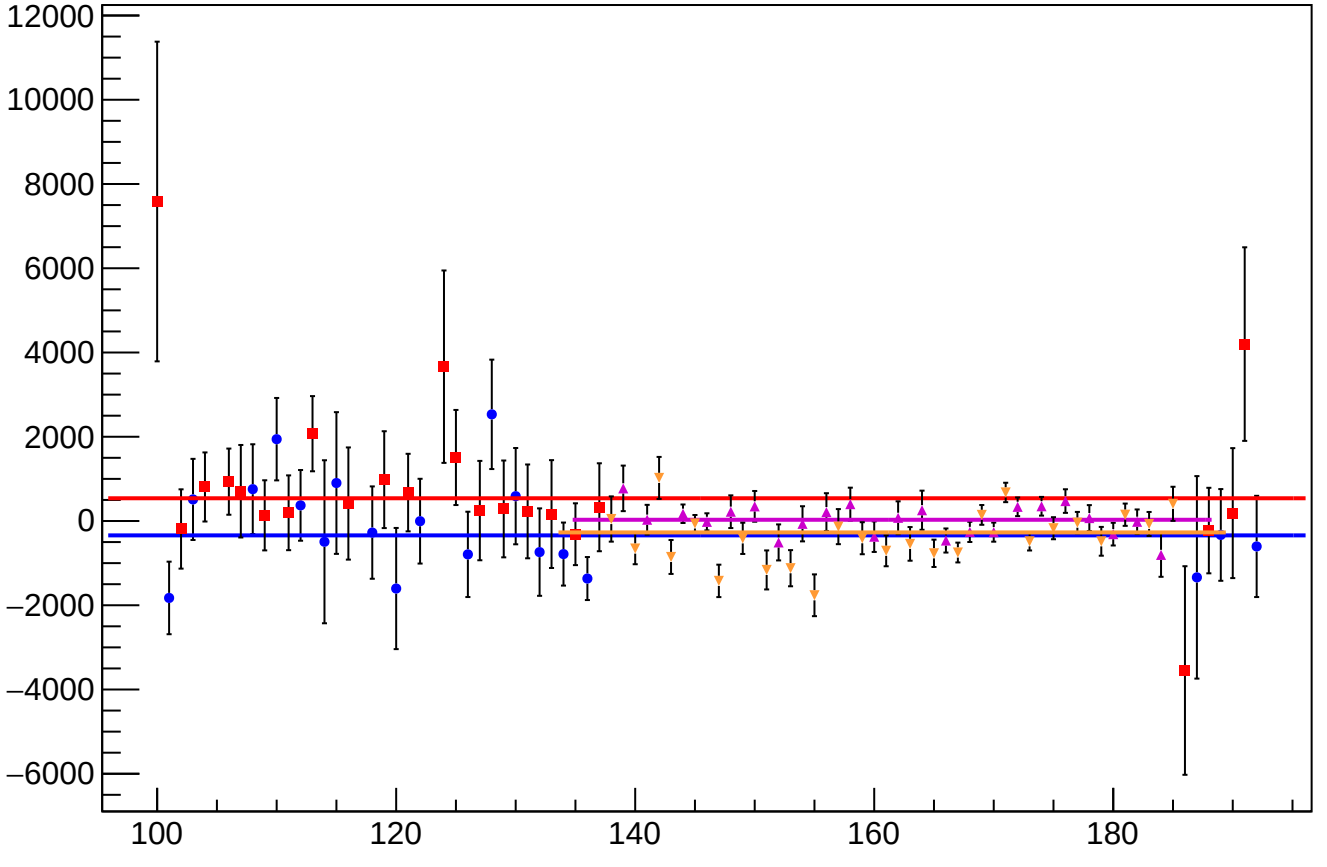
Right: 66.962+/-0.012 χ^2/NDF: 3819108.9/41

In: 50.877+/-0.007 χ^2/NDF:3467195.1/41

Out: 50.828+/-0.007 χ^2/NDF:3974021.2/47

All: 50.852+/-0.005 χ^2/NDF: 7441240.2/89

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: 539.783+/-223.644 χ^2/NDF: 18.1/22

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

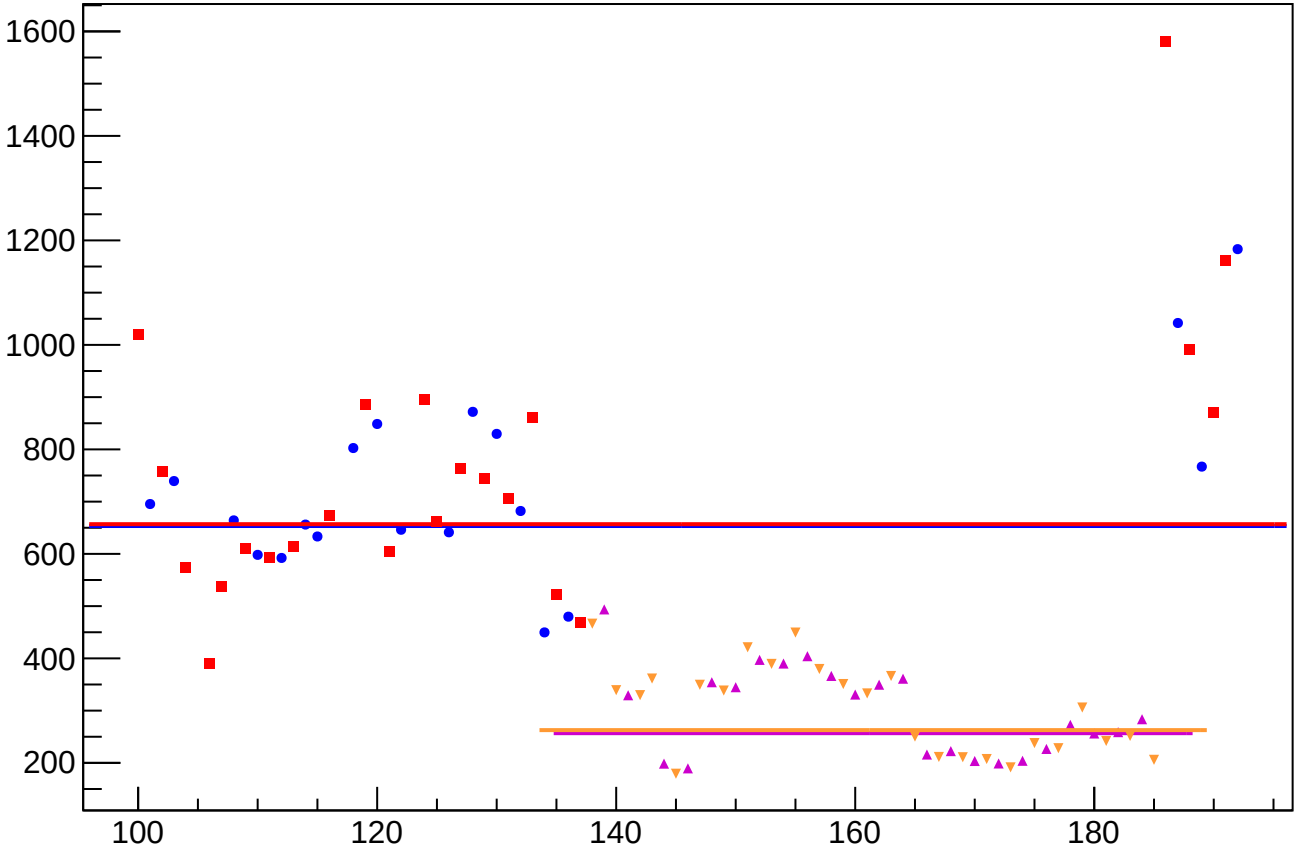
Right: 107.113+/-159.546 χ^2/NDF: 48.7/41

In: 3.107+/-60.423 χ^2/NDF:49.8/41

Out: -212.559+/-60.056 χ^2/NDF:104.2/47

All: -105.383+/-42.595 χ^2/NDF: 160.4/89

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 656.855+/-0.158 χ^2/NDF: 1288257.9/22

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

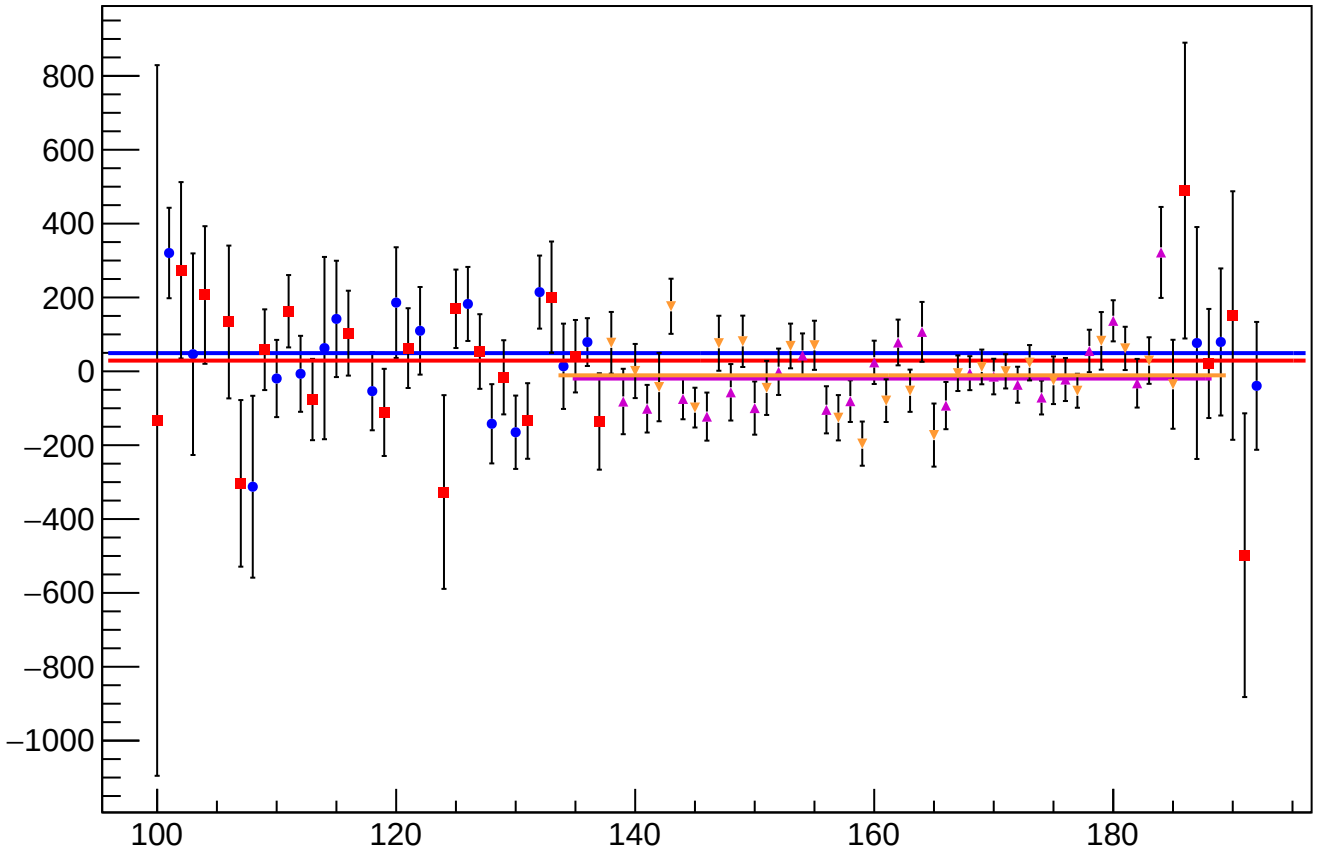
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 655.128+/-0.113 χ^2/NDF: 2349076.3/41

In: 284.769+/-0.043 χ^2/NDF:9338264.5/41

Out: 291.103+/-0.042 χ^2/NDF:9946425.4/47

All: 287.955+/-0.030 χ^2/NDF: 19295744.7/89



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: 29.056+/-28.125 χ^2/NDF: 21.8/22

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

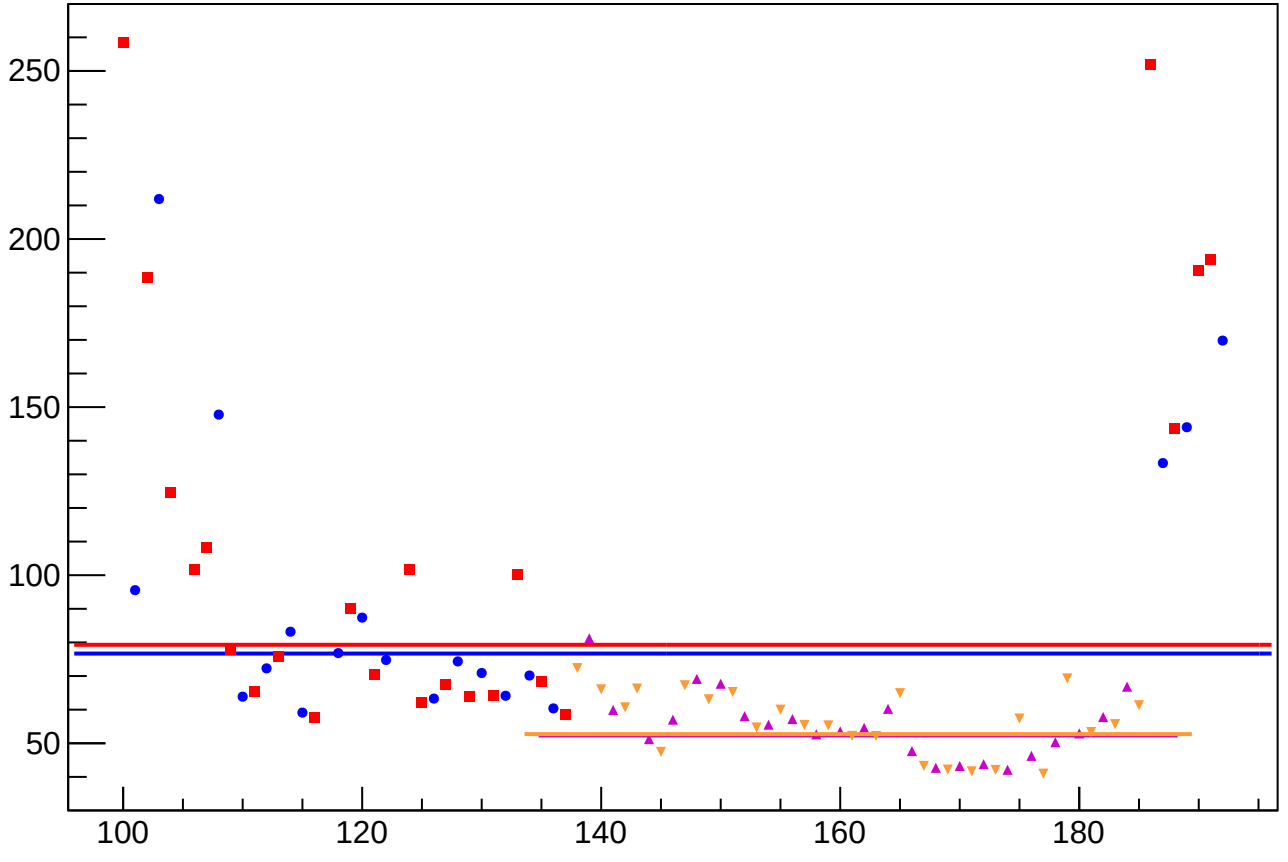
Right: 39.382+/-19.687 χ^2/NDF: 45.3/41

In: -7.776+/-11.419 χ^2/NDF:65.1/41

Out: -4.415+/-11.274 χ^2/NDF:63.9/47

All: -6.074+/-8.023 χ^2/NDF: 129.1/89

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: 79.297+/-0.020 χ^2/NDF: 2256060.4/22

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

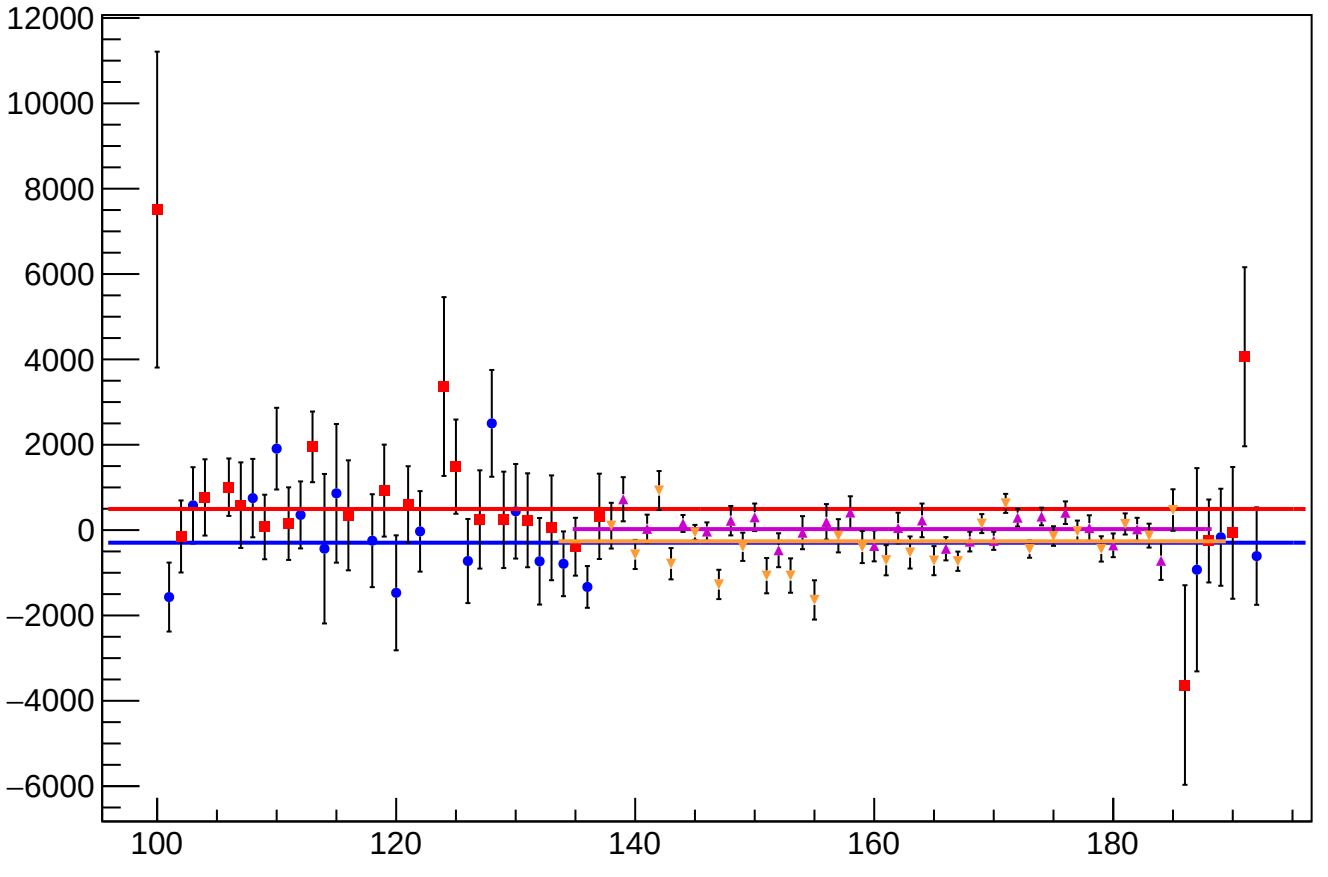
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 77.967+/-0.014 χ^2/NDF: 4121432.6/41

In: 56.496+/-0.008 χ^2/NDF:4043959.8/41

Out: 57.000+/-0.008 χ^2/NDF:4920872.4/47

All: 56.751+/-0.006 χ^2/NDF: 8966799.6/89



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: 494.562+/-211.378 χ^2/NDF: 20.0/22

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

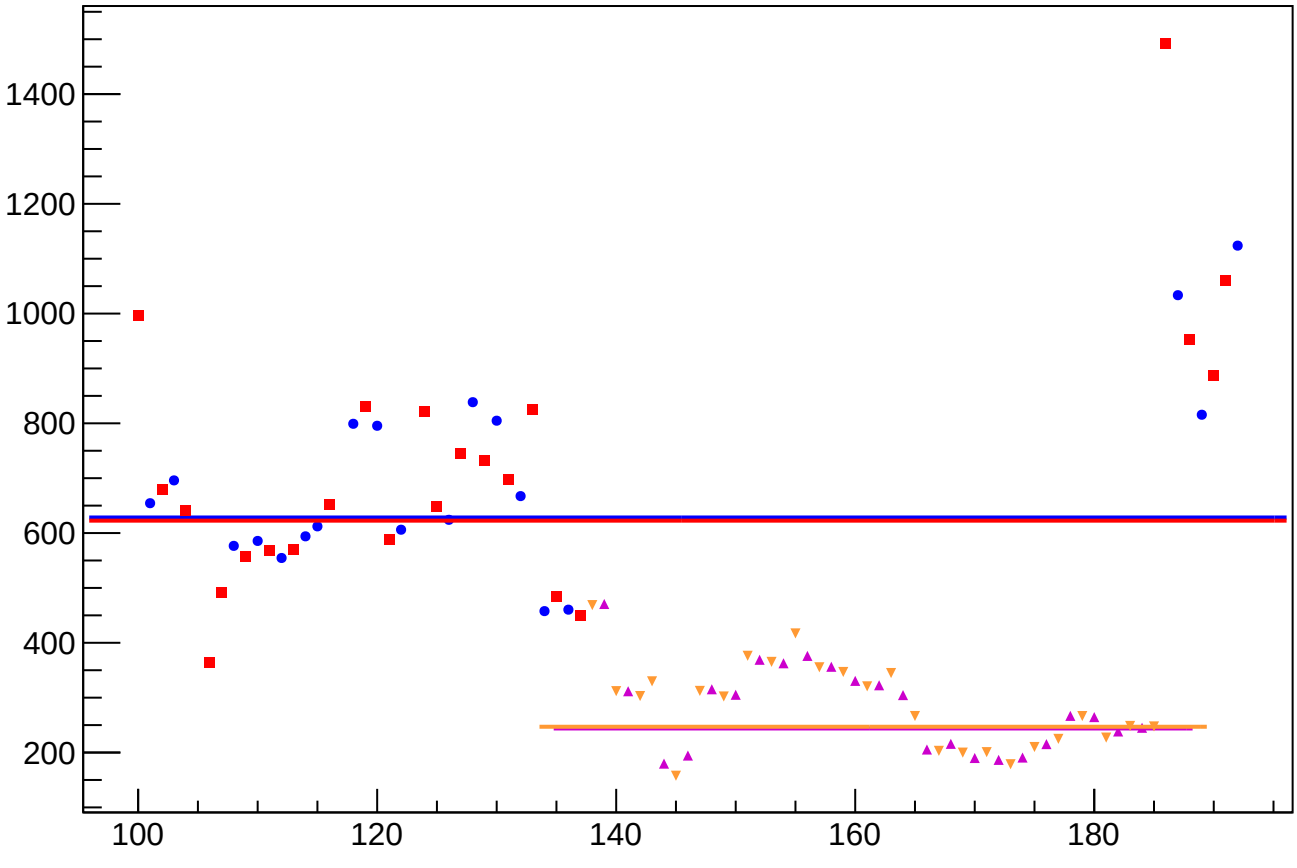
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 112.346+/-151.846 χ^2/NDF: 49.7/41

In: 1.498+/-57.313 χ^2/NDF:49.1/41

Out: -208.714+/-56.381 χ^2/NDF:104.2/47

All: -105.329+/-40.193 χ^2/NDF: 160.1/89



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: 622.610+/-0.149 χ^2/NDF: 1391466.3/22

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

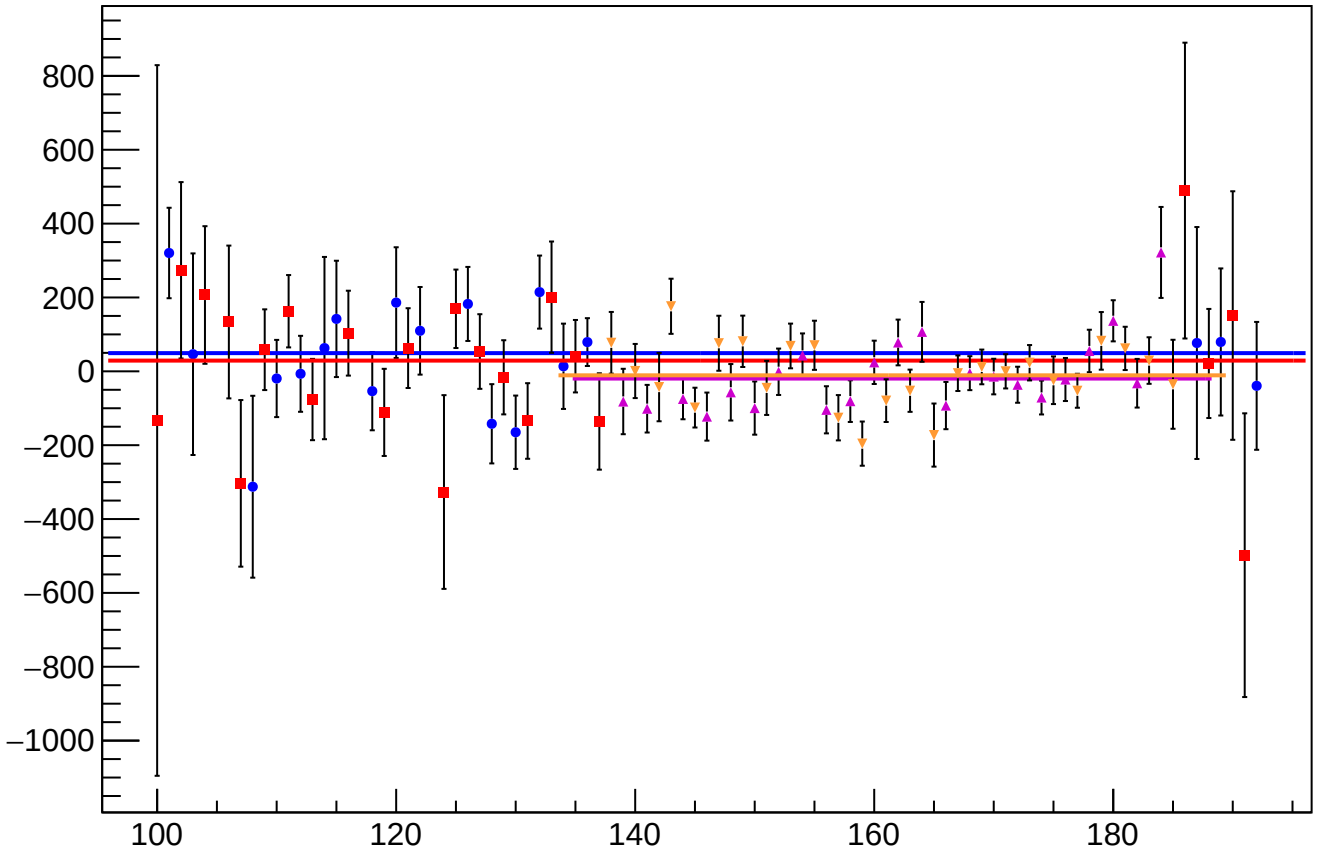
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 625.402+/-0.107 χ^2/NDF: 2451554.9/41

In: 270.338+/-0.041 χ^2/NDF:9329872.9/41

Out: 273.719+/-0.040 χ^2/NDF:10183143.1/47

All: 272.056+/-0.028 χ^2/NDF: 19516552.8/89



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: 29.055+/-28.125 χ^2/NDF: 21.8/22

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

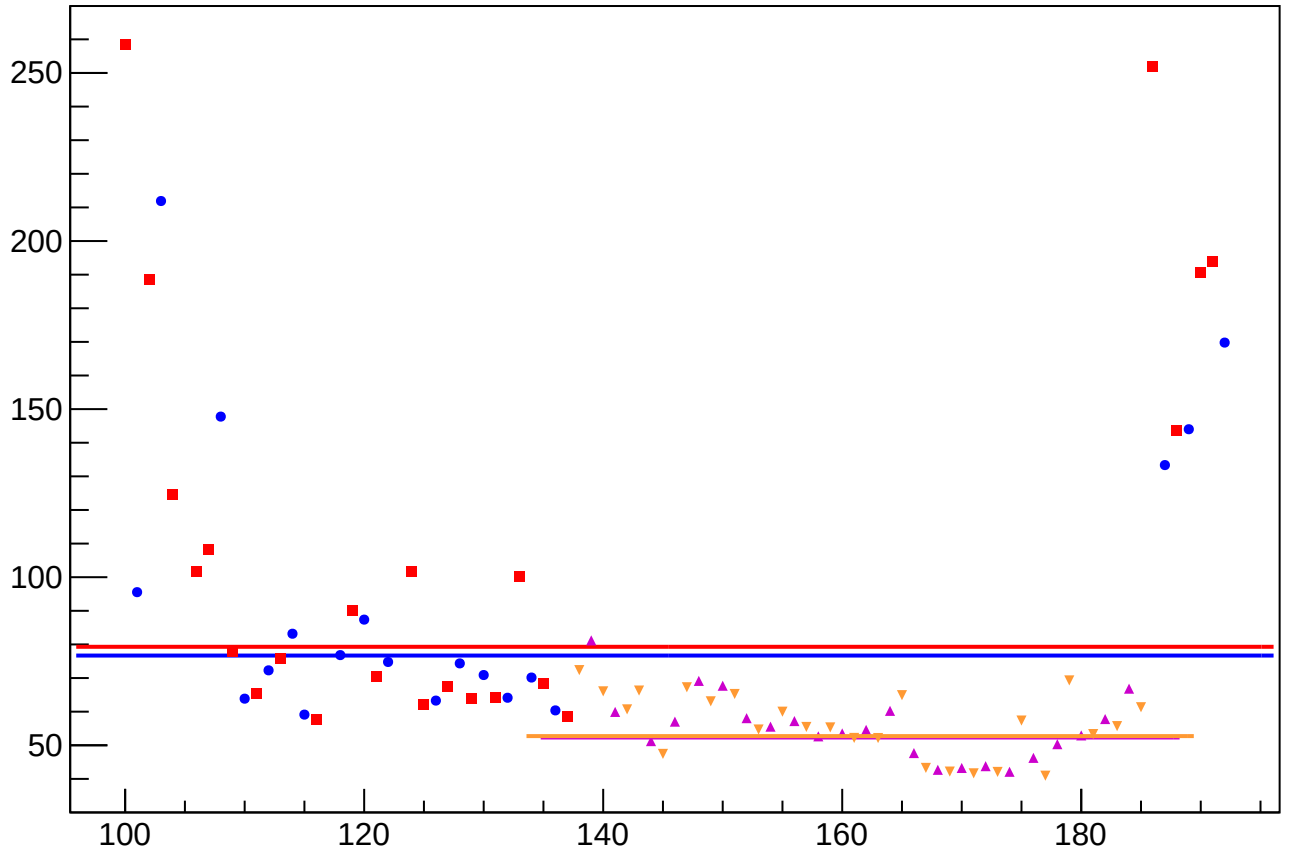
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 39.381+/-19.687 χ^2/NDF: 45.3/41

In: -7.776+/-11.419 χ^2/NDF:65.1/41

Out: -4.415+/-11.274 χ^2/NDF:63.9/47

All: -6.074+/-8.023 χ^2/NDF: 129.1/89



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: 79.297+/-0.020 χ^2/NDF: 2256059.3/22

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

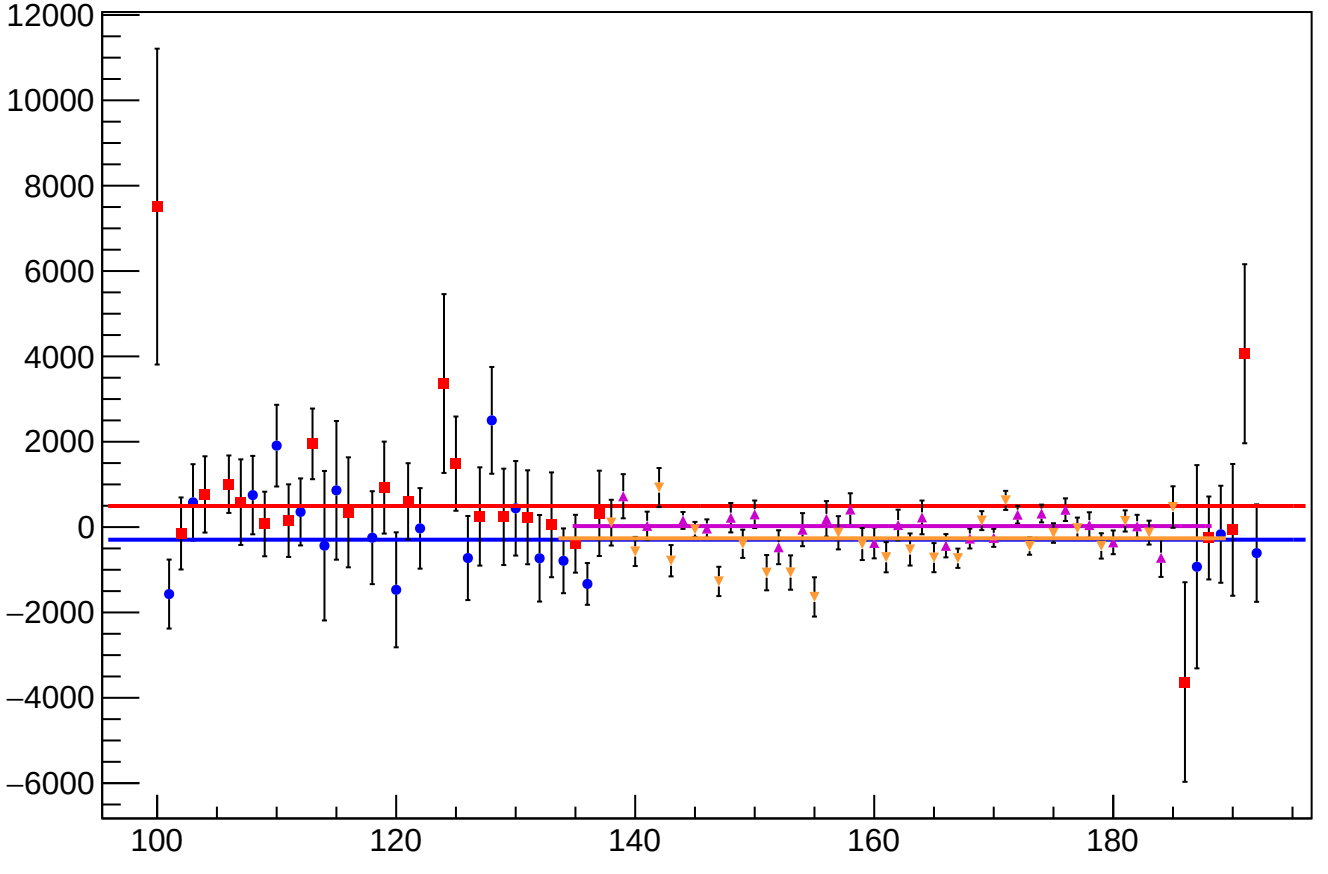
Right: 77.967+/-0.014 χ^2/NDF: 4121445.9/41

In: 56.496+/-0.008 χ^2/NDF:4043962.5/41

Out: 57.000+/-0.008 χ^2/NDF:4920884.1/47

All: 56.751+/-0.006 χ^2/NDF: 8966814.2/89

asym_sam_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 494.562+/-211.378 χ^2/NDF: 20.0/22

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

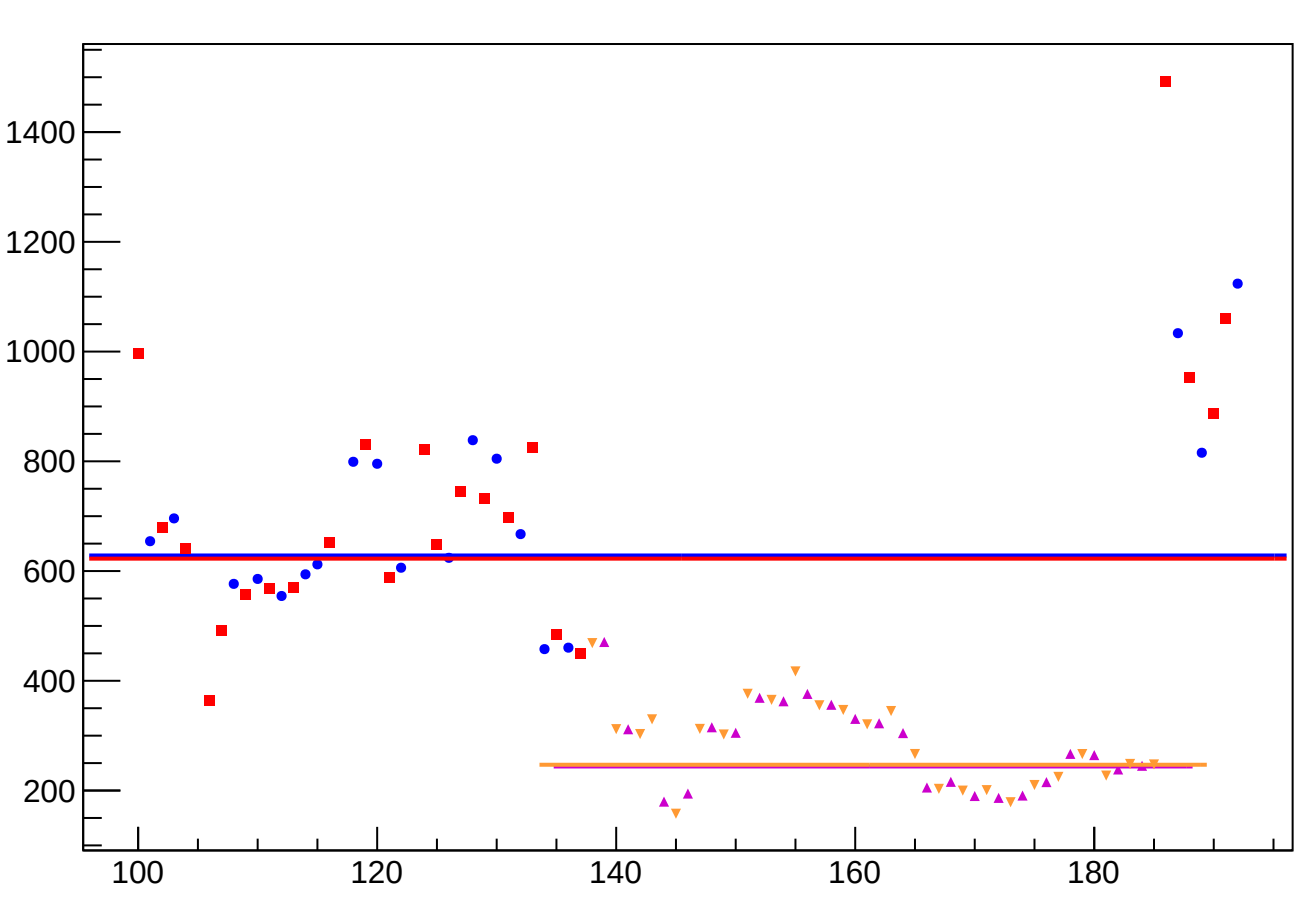
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 112.347+/-151.846 χ^2/NDF: 49.7/41

In: 1.498+/-57.313 χ^2/NDF:49.1/41

Out: -208.714+/-56.381 χ^2/NDF:104.2/47

All: -105.330+/-40.193 χ^2/NDF: 160.1/89



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: 622.609+/-0.149 χ^2/NDF: 1391461.4/22

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

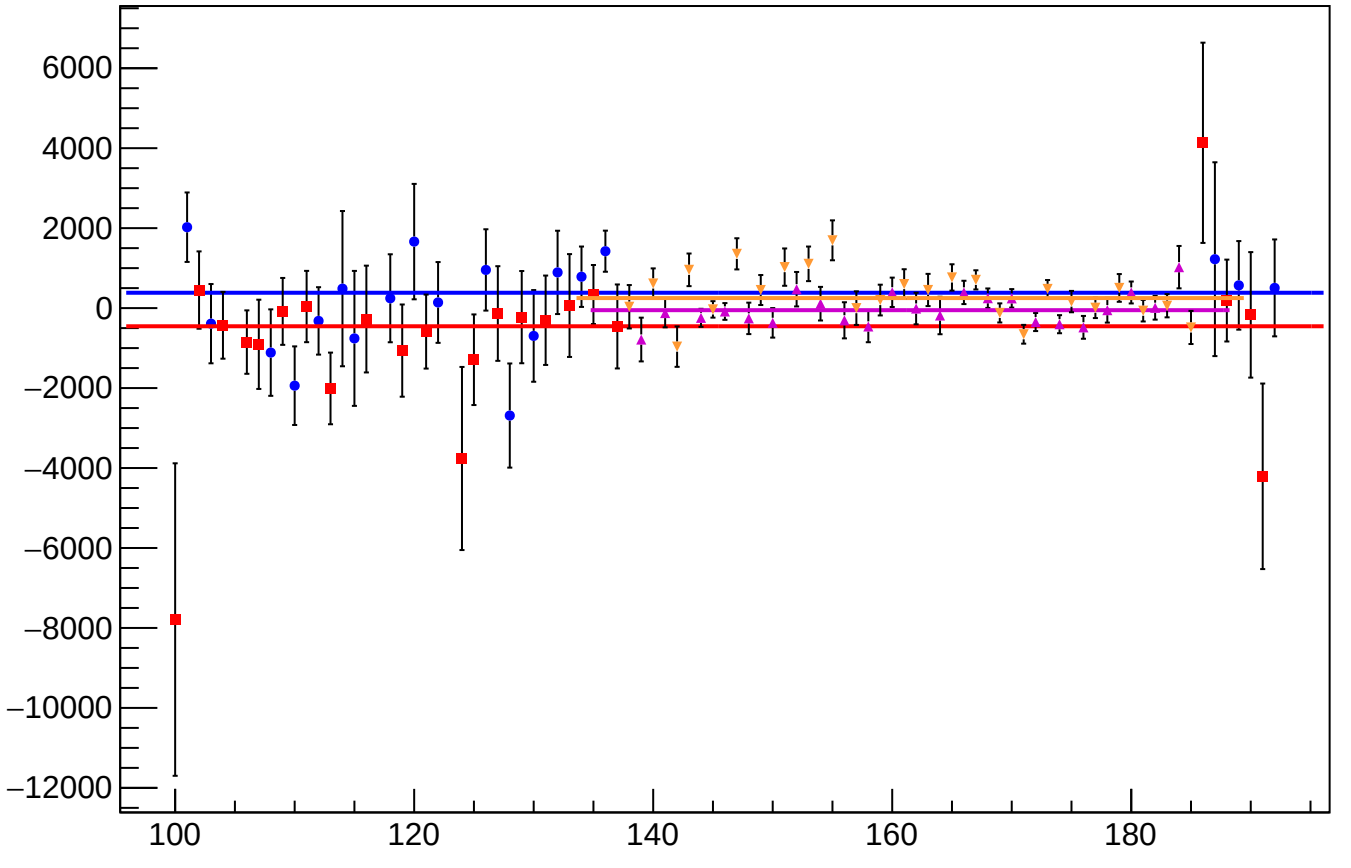
Right: 625.402+/-0.107 χ^2/NDF: 2451544.3/41

In: 270.338+/-0.041 χ^2/NDF:9329872.5/41

Out: 273.719+/-0.040 χ^2/NDF:10183126.2/47

All: 272.056+/-0.028 χ^2/NDF: 19516535.8/89

asym_sam_37_dd_mean vs Slug, Sign Corrected



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: -454.090+/-225.559 χ^2/NDF: 19.1/22

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

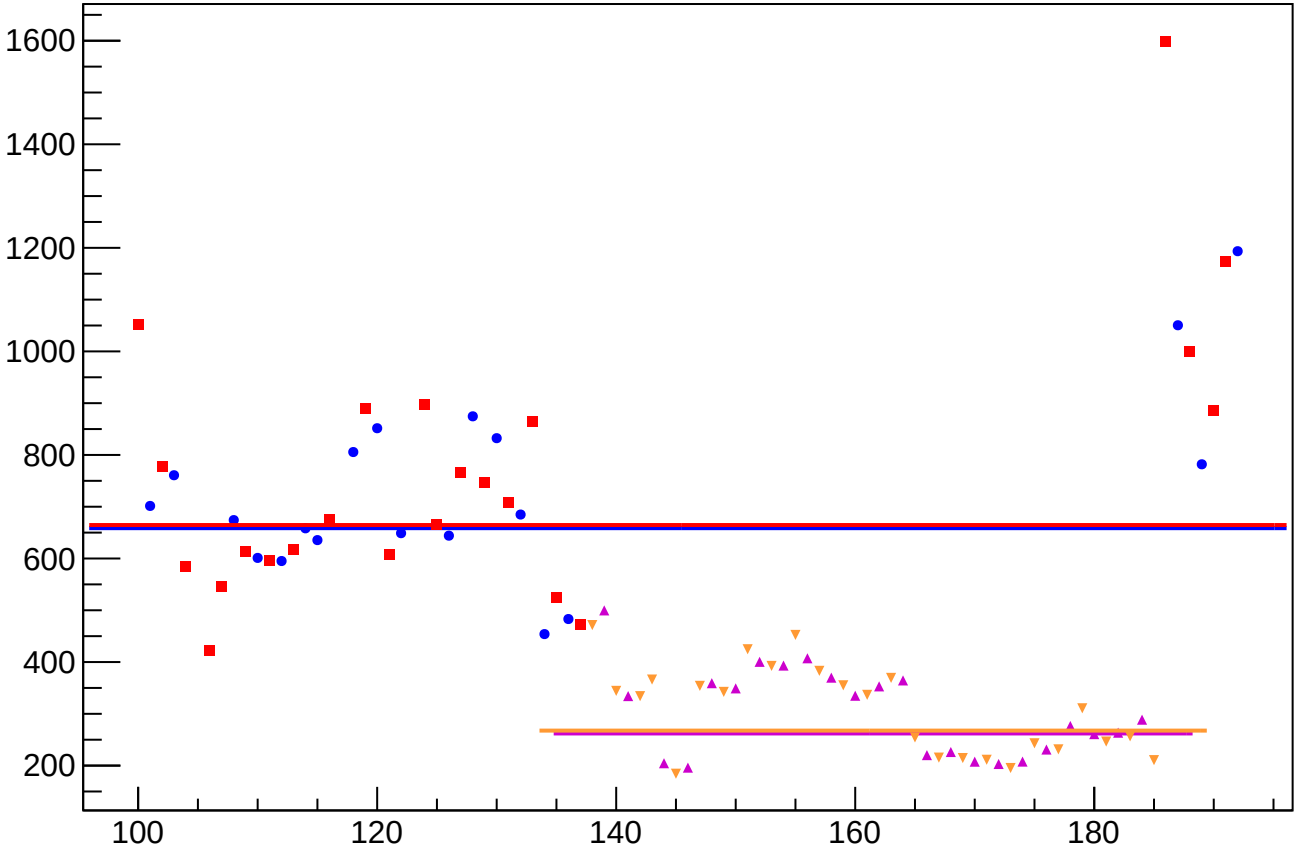
Right: -42.285+/-160.876 χ^2/NDF: 51.1/41

In: -20.408+/-61.508 χ^2/NDF:55.4/41

Out: 199.438+/-61.056 χ^2/NDF:95.7/47

All: 90.326+/-43.332 χ^2/NDF: 157.5/89

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: 664.617+/-0.159 χ^2/NDF: 1246493.1/22

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

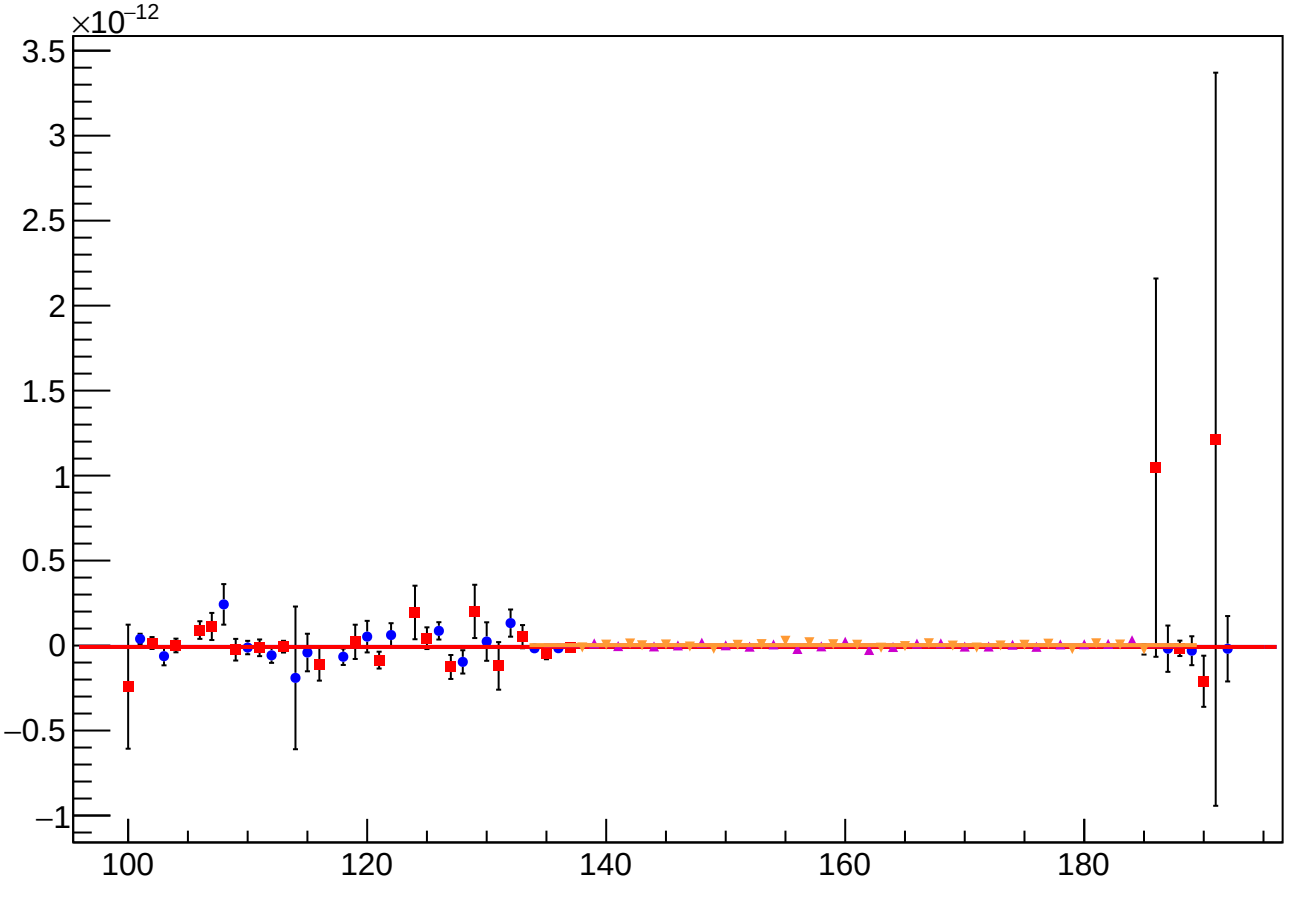
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 661.651+/-0.114 χ^2/NDF: 2313268.4/41

In: 290.567+/-0.043 χ^2/NDF:9143279.6/41

Out: 296.680+/-0.043 χ^2/NDF:9790508.3/47

All: 293.646+/-0.031 χ^2/NDF: 18943737.8/89



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: 23.1/22

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

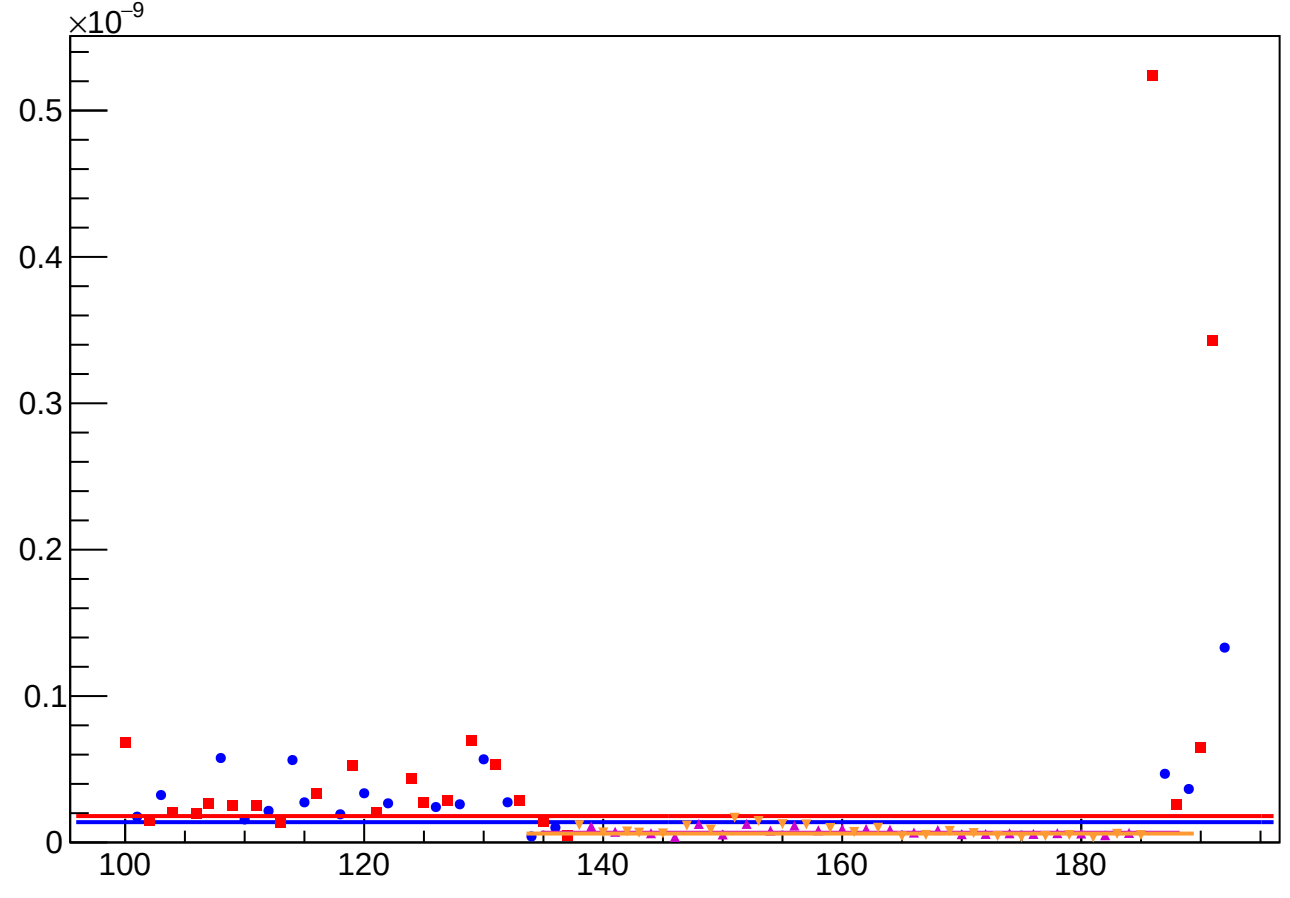
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 44.1/41

In: 0.000+/-0.000 χ^2/NDF:34.2/41

Out: 0.000+/-0.000 χ^2/NDF:39.2/47

All: 0.000+/-0.000 χ^2/NDF: 73.6/89



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: 2372736.1/22

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

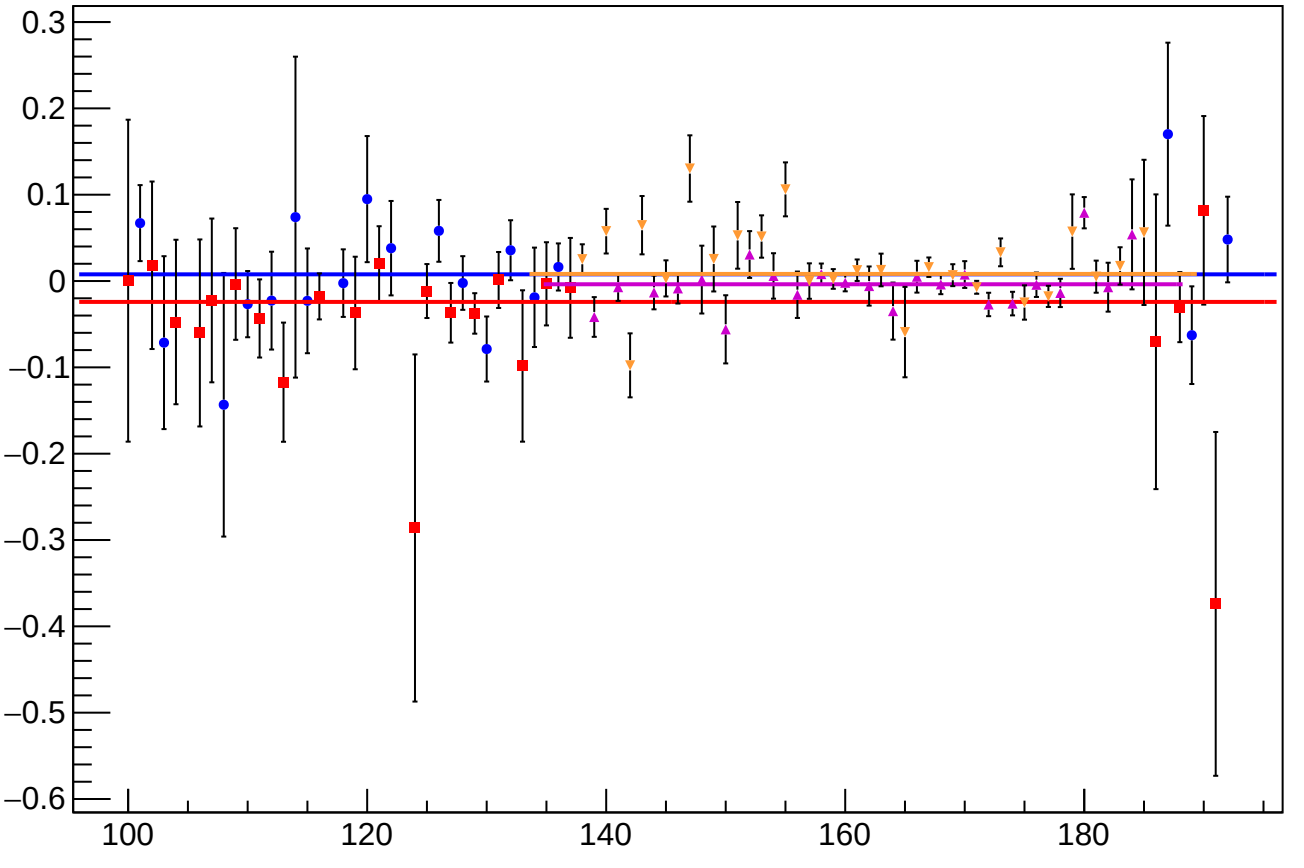
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 5658625.8/41

In: 0.000+/-0.000 χ^2/NDF:5420883.7/41

Out: 0.000+/-0.000 χ^2/NDF:6976643.1/47

All: 0.000+/-0.000 χ^2/NDF: 12447564.9/89



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: -0.024+/-0.010 χ^2/NDF: 11.6/22

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

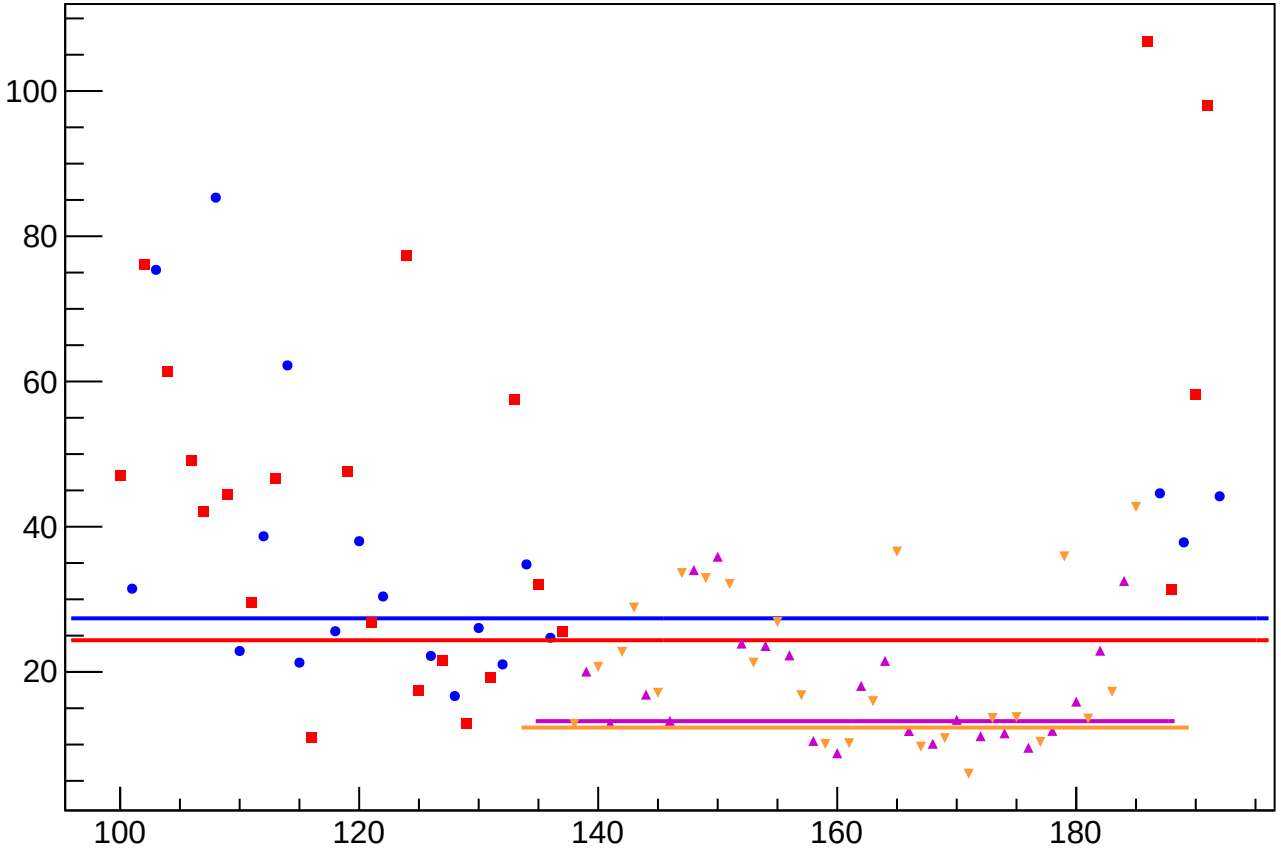
Right: -0.009+/-0.007 χ^2/NDF: 36.0/41

In: -0.003+/-0.003 χ^2/NDF:57.8/41

Out: 0.005+/-0.003 χ^2/NDF:79.7/47

All: 0.001+/-0.002 χ^2/NDF: 139.9/89

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 24.364+/-0.007 χ^2/NDF: 4383150.2/22

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

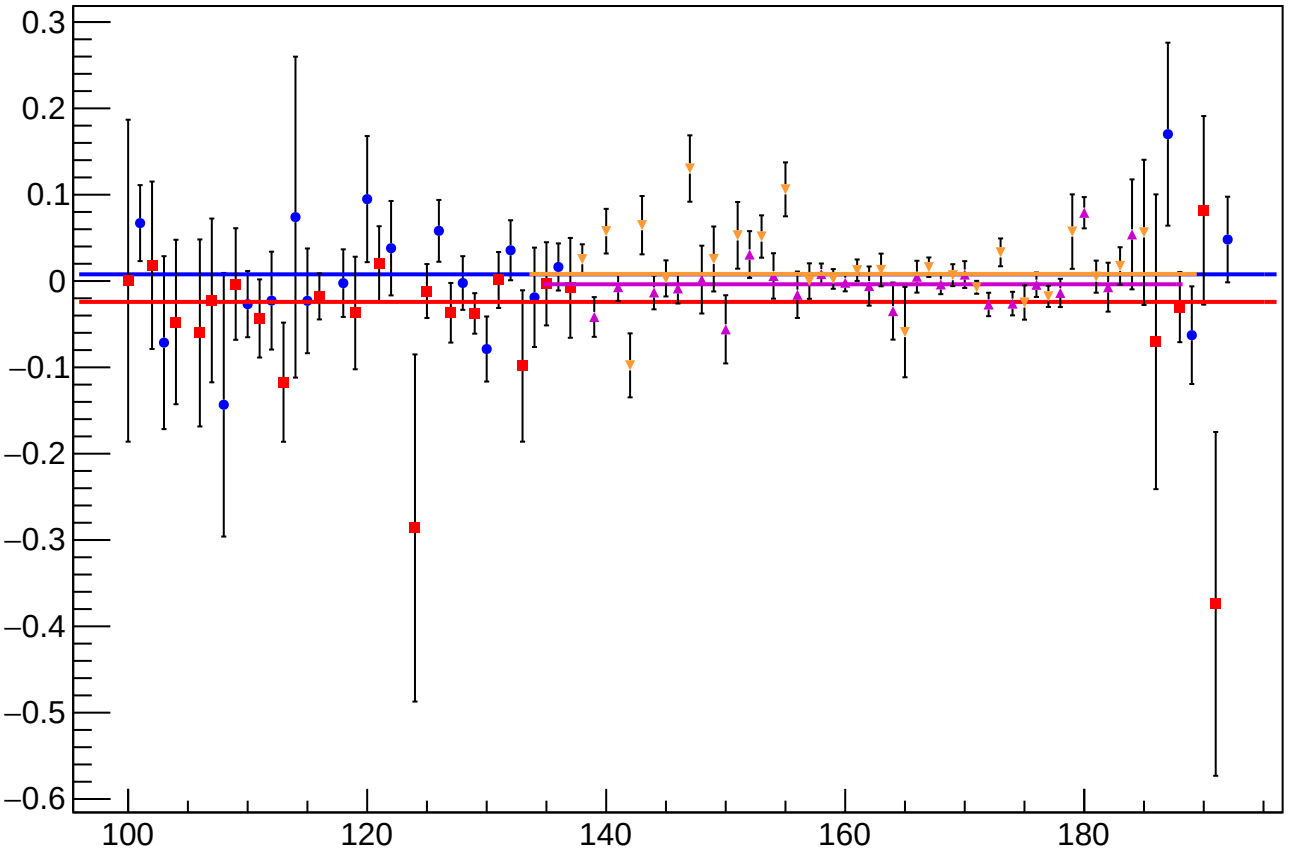
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 25.801+/-0.005 χ^2/NDF: 6234118.8/41

In: 14.717+/-0.002 χ^2/NDF:8836604.3/41

Out: 13.603+/-0.002 χ^2/NDF:13666652.4/47

All: 14.132+/-0.002 χ^2/NDF: 22613647.9/89



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: -0.024+/-0.010 χ^2/NDF: 11.6/22

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

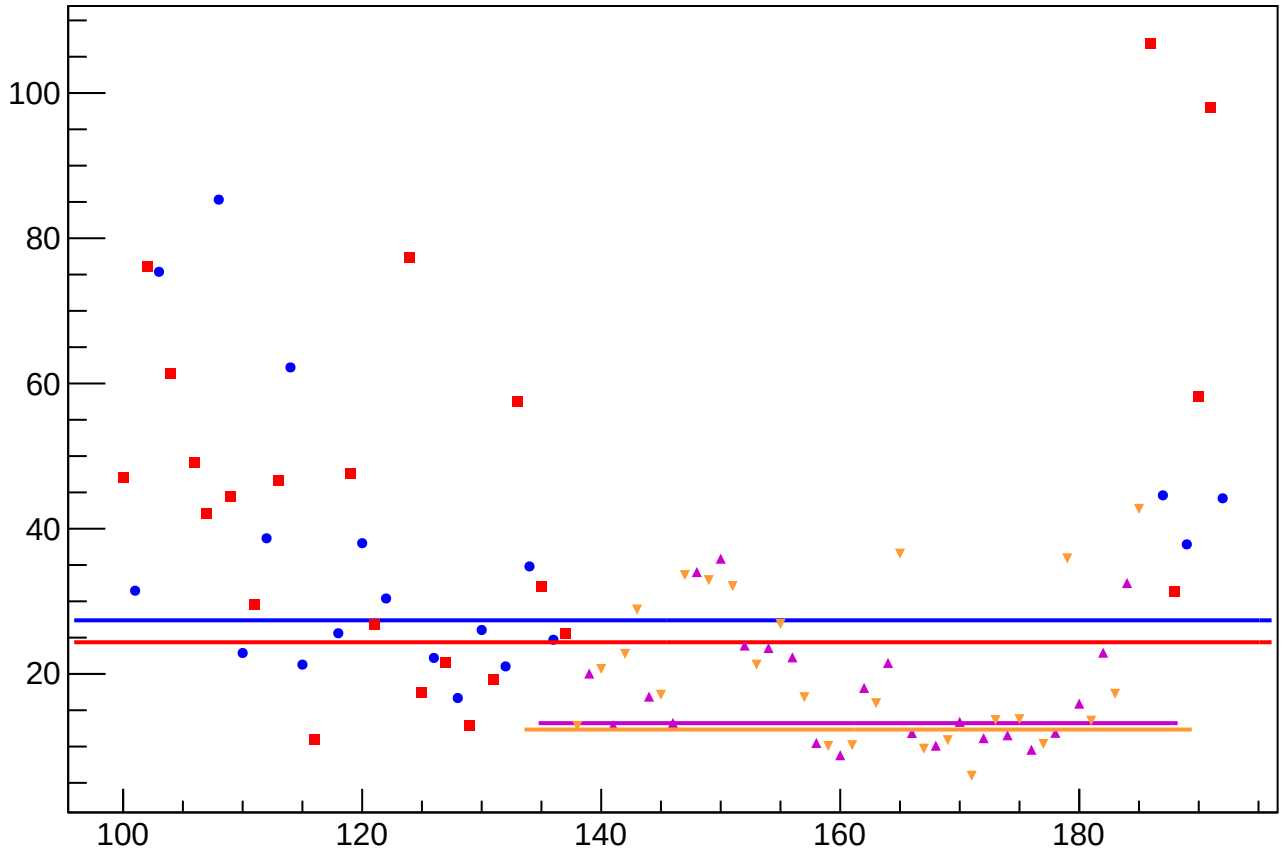
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.009+/-0.007 χ^2/NDF: 36.0/41

In: -0.003+/-0.003 χ^2/NDF:57.8/41

Out: 0.005+/-0.003 χ^2/NDF:79.7/47

All: 0.001+/-0.002 χ^2/NDF: 139.9/89



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: 24.364+/-0.007 χ^2/NDF: 4383150.2/22

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

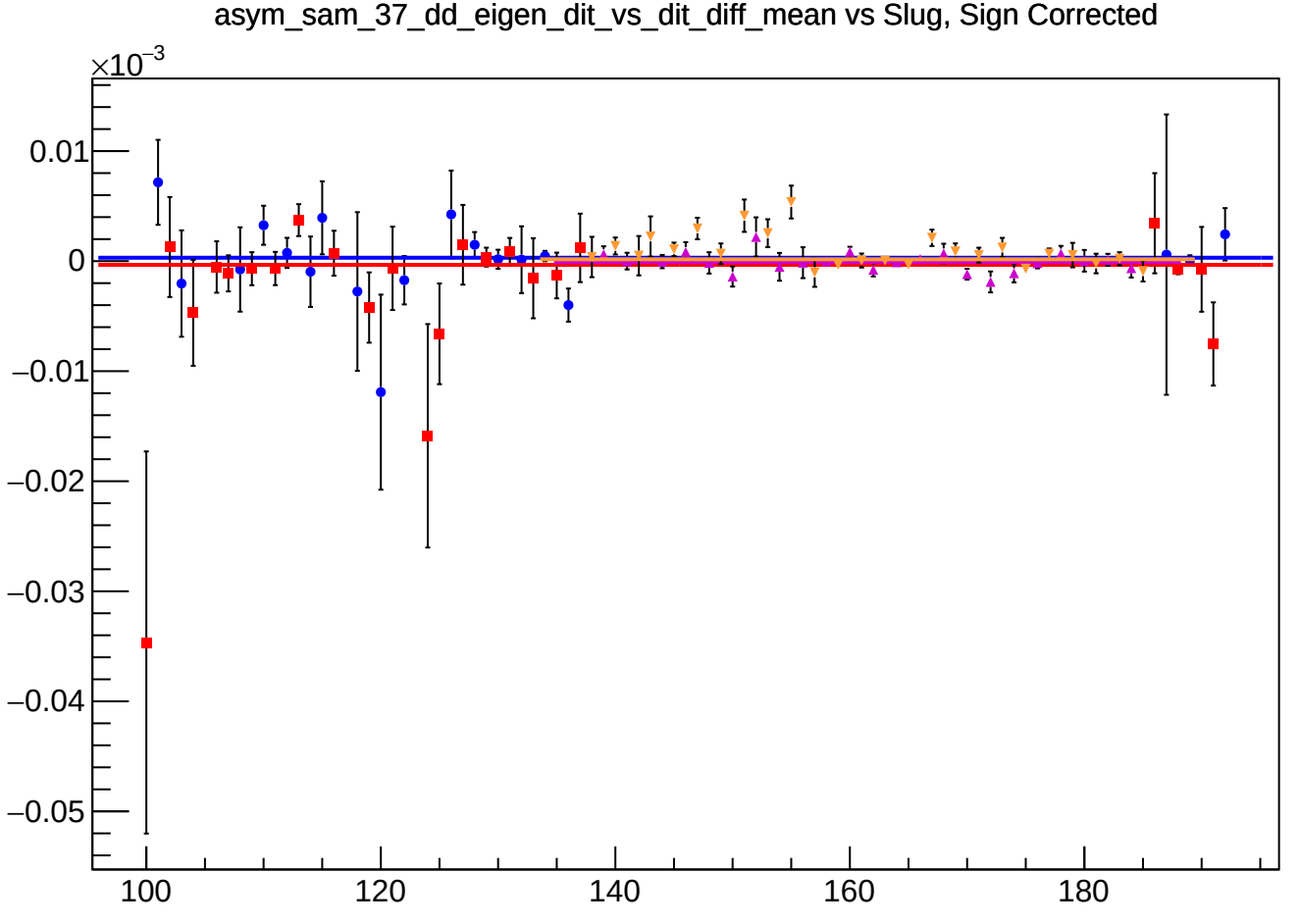
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 25.801+/-0.005 χ^2/NDF: 6234118.8/41

In: 14.717+/-0.002 χ^2/NDF:8836604.3/41

Out: 13.603+/-0.002 χ^2/NDF:13666652.4/47

All: 14.132+/-0.002 χ^2/NDF: 22613647.9/89



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: 26.4/22

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

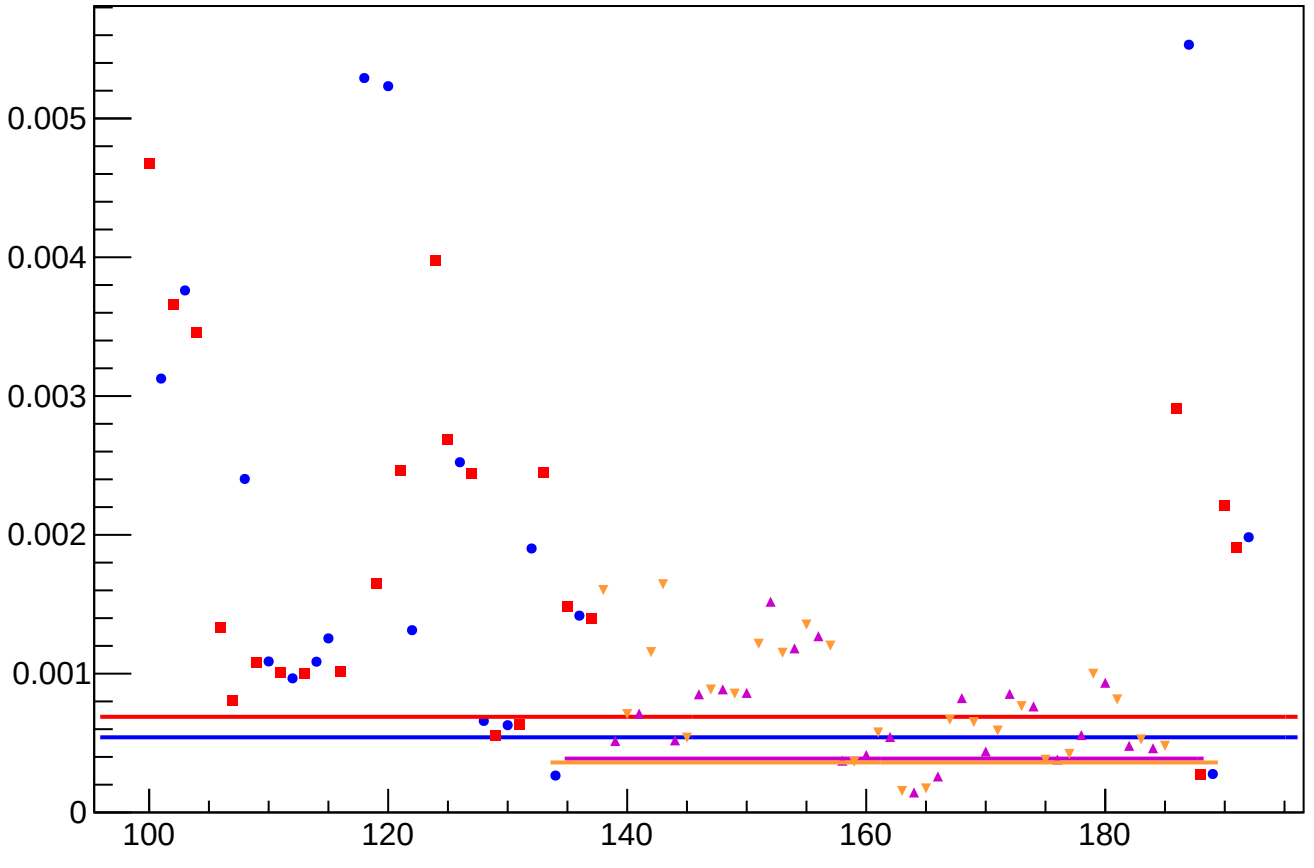
Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

Right: 0.000+/-0.000 χ^2/NDF: 50.7/41

In: -0.000+/-0.000 χ^2/NDF:48.3/41

Out: 0.000+/-0.000 χ^2/NDF:90.1/47

All: 0.000+/-0.000 χ^2/NDF: 139.5/89



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: 7353372.9/22

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

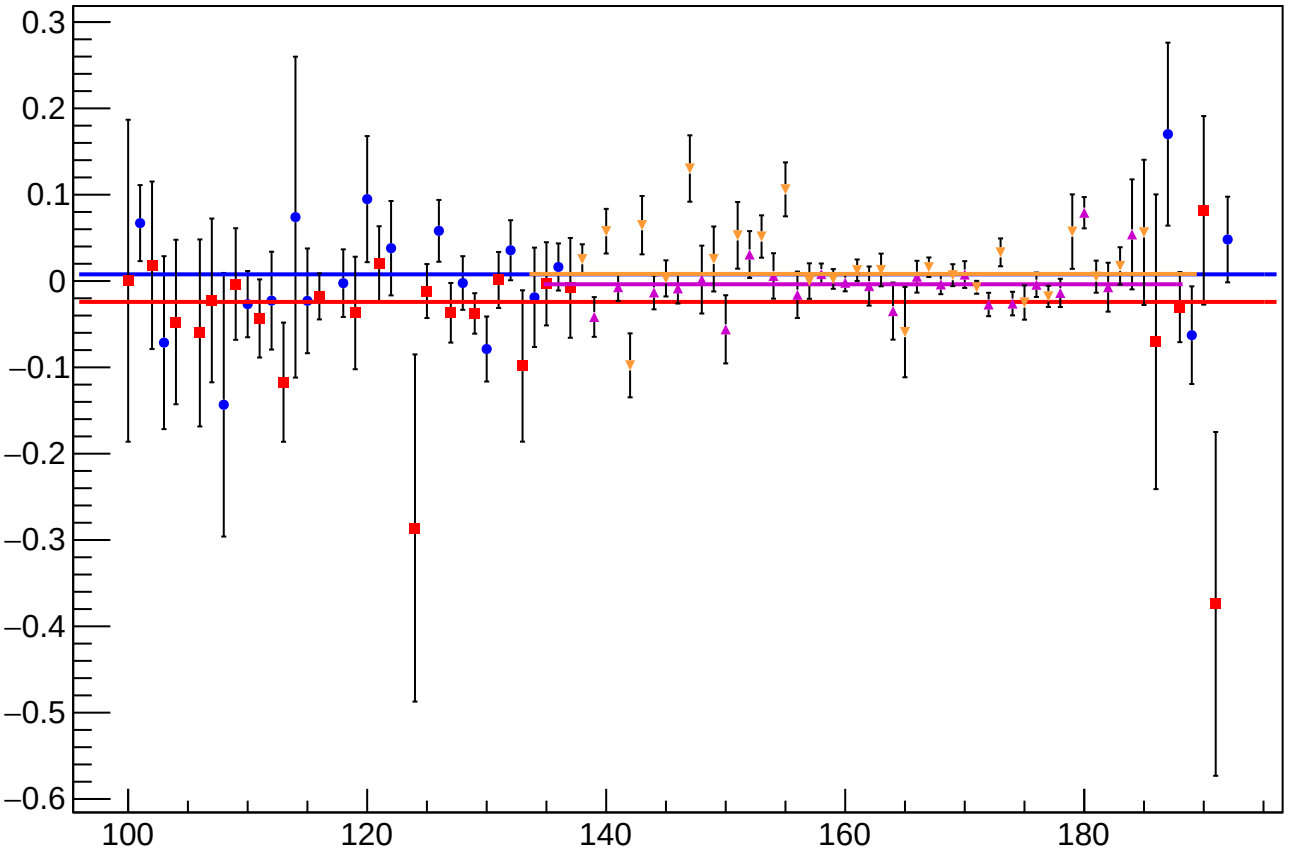
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 16019168.5/41

In: 0.000+/-0.000 χ^2/NDF:19416071.7/41

Out: 0.000+/-0.000 χ^2/NDF:23274099.4/47

All: 0.000+/-0.000 χ^2/NDF: 42722014.0/89



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: -0.024+/-0.010 χ^2/NDF: 11.6/22

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

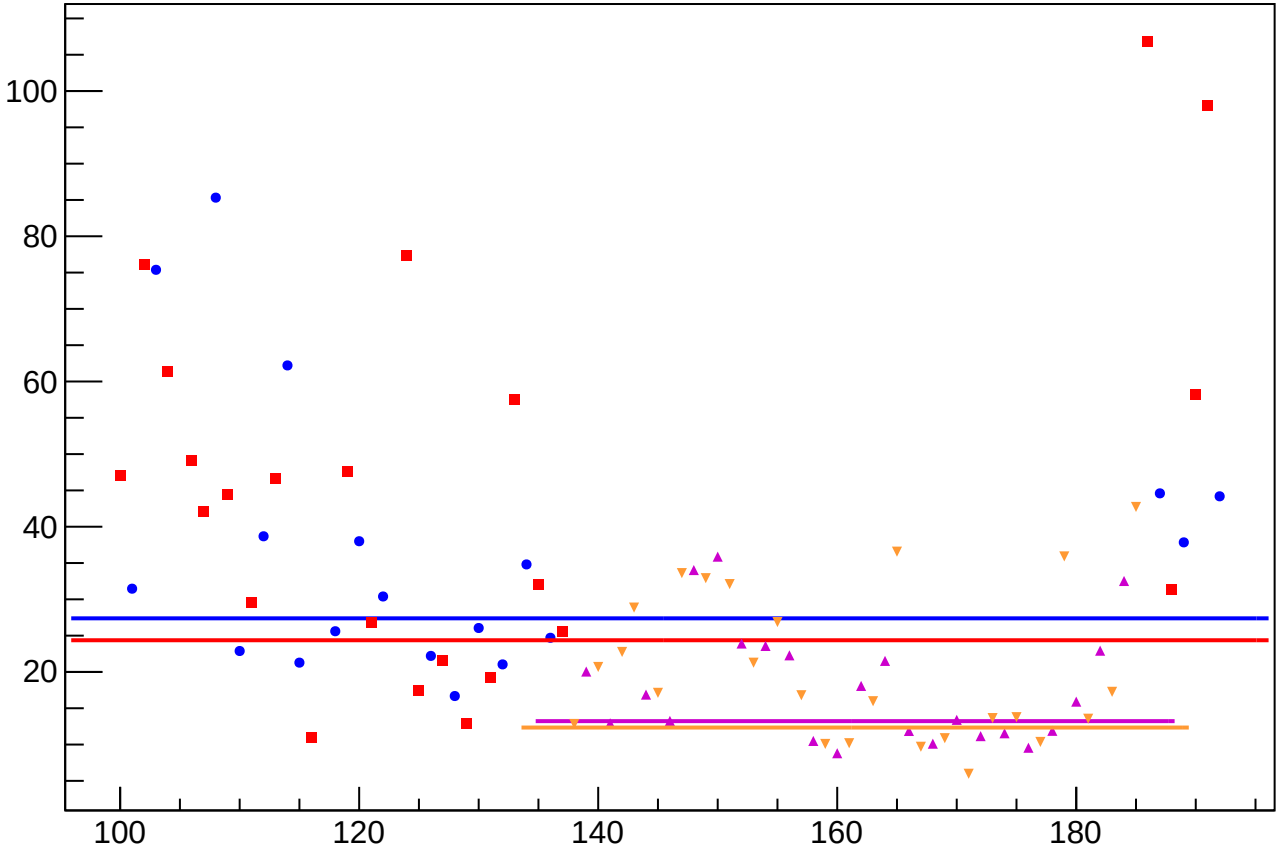
Right: -0.009+/-0.007 χ^2/NDF: 36.0/41

In: -0.003+/-0.003 χ^2/NDF:57.8/41

Out: 0.005+/-0.003 χ^2/NDF:79.7/47

All: 0.001+/-0.002 χ^2/NDF: 139.9/89

asym_sam_37_dd_eigen_dit_vs_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: 24.365+/-0.007 χ^2/NDF: 4382939.6/22

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

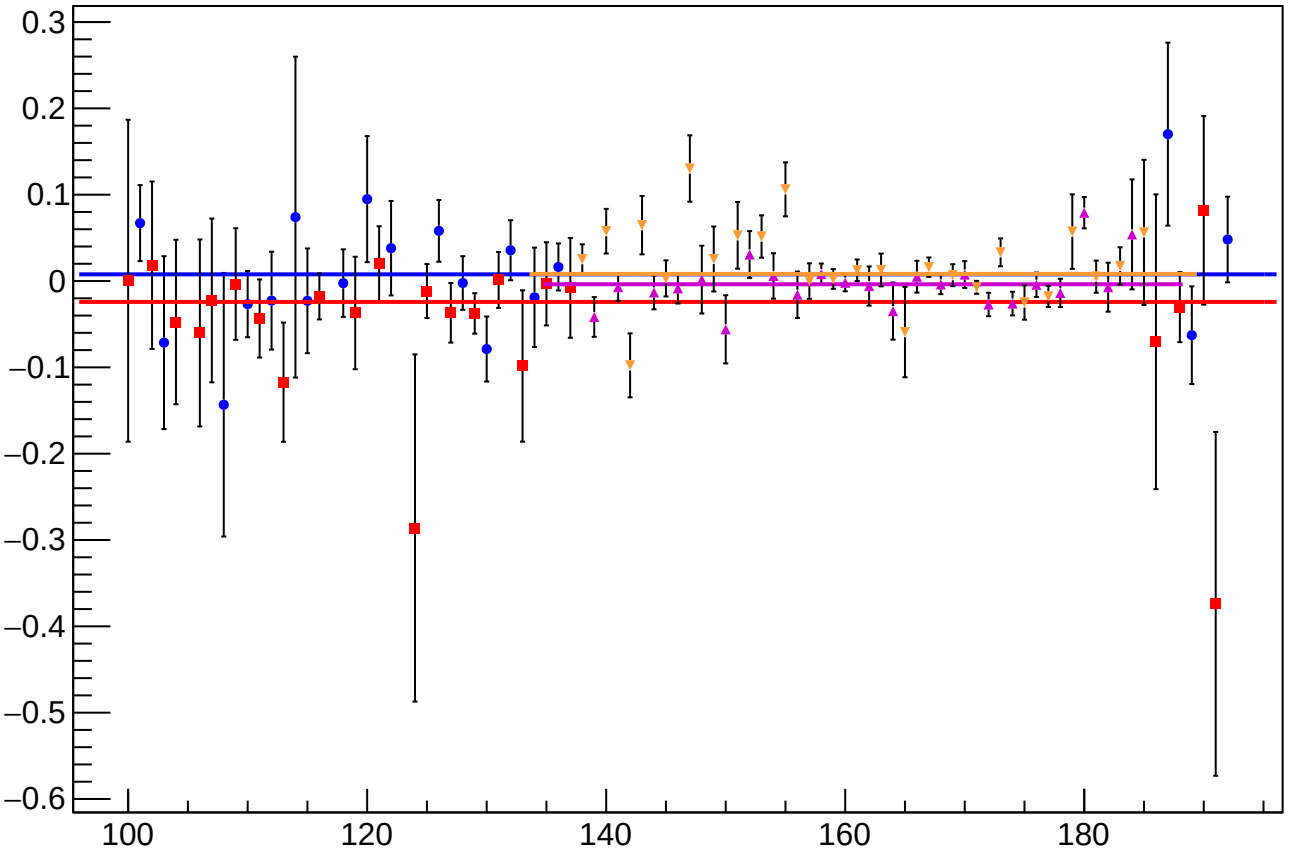
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 25.802+/-0.005 χ^2/NDF: 6233818.0/41

In: 14.717+/-0.002 χ^2/NDF:8836762.7/41

Out: 13.603+/-0.002 χ^2/NDF:13666782.7/47

All: 14.132+/-0.002 χ^2/NDF: 22613925.1/89



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: -0.024+/-0.010 χ^2/NDF: 11.6/22

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

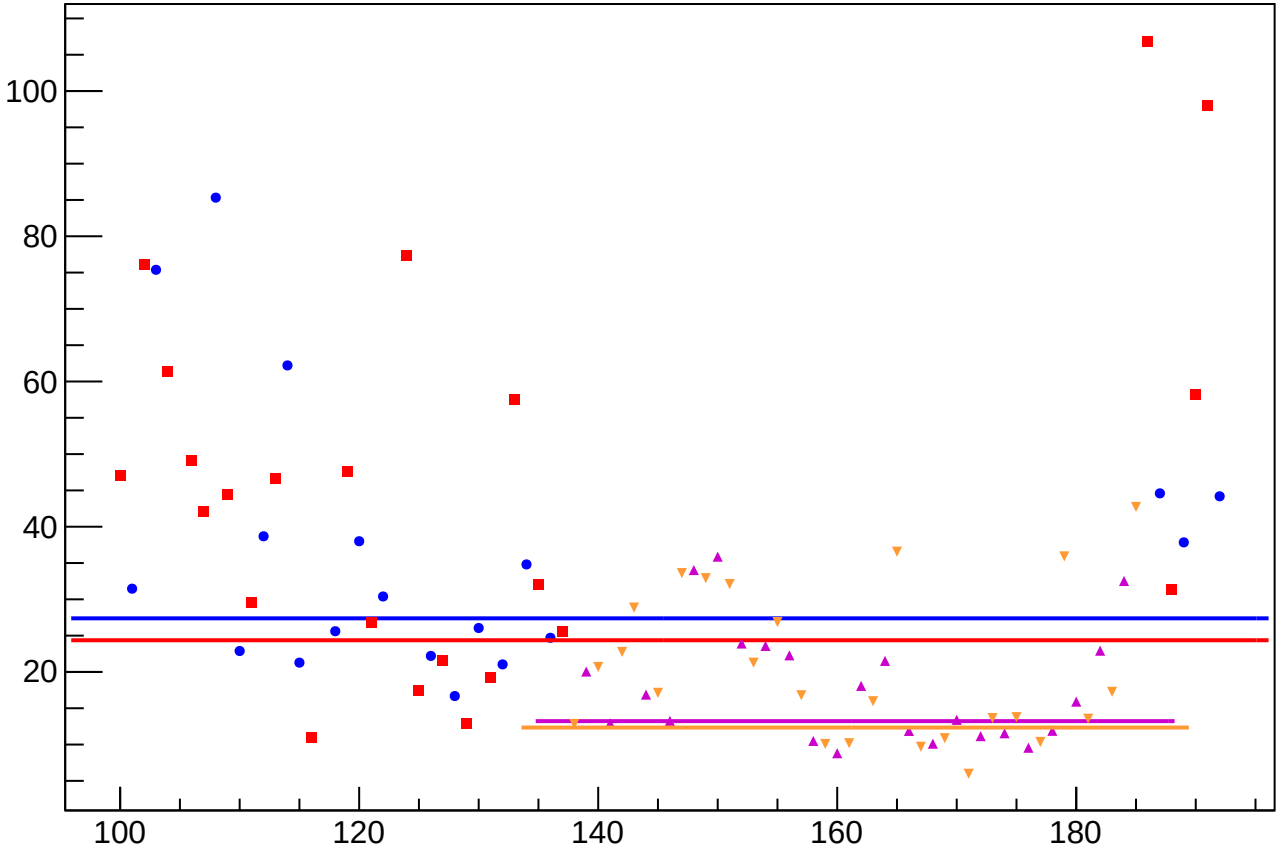
Right: -0.009+/-0.007 χ^2/NDF: 36.0/41

In: -0.003+/-0.003 χ^2/NDF:57.8/41

Out: 0.005+/-0.003 χ^2/NDF:79.7/47

All: 0.001+/-0.002 χ^2/NDF: 139.9/89

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: 24.365+/-0.007 χ^2/NDF: 4382939.6/22

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

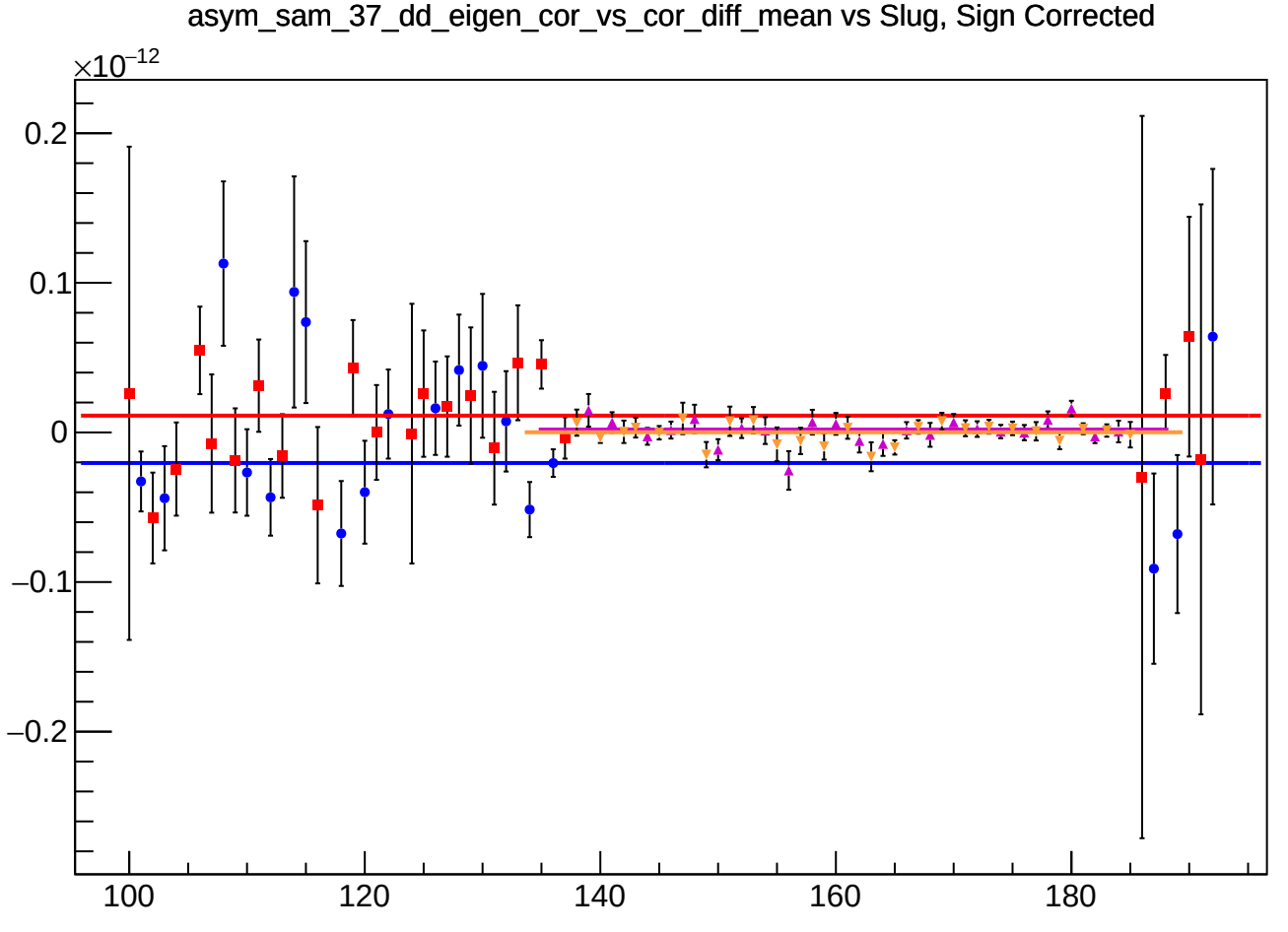
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 25.802+/-0.005 χ^2/NDF: 6233818.0/41

In: 14.717+/-0.002 χ^2/NDF:8836762.7/41

Out: 13.603+/-0.002 χ^2/NDF:13666782.7/47

All: 14.132+/-0.002 χ^2/NDF: 22613925.1/89



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/22

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

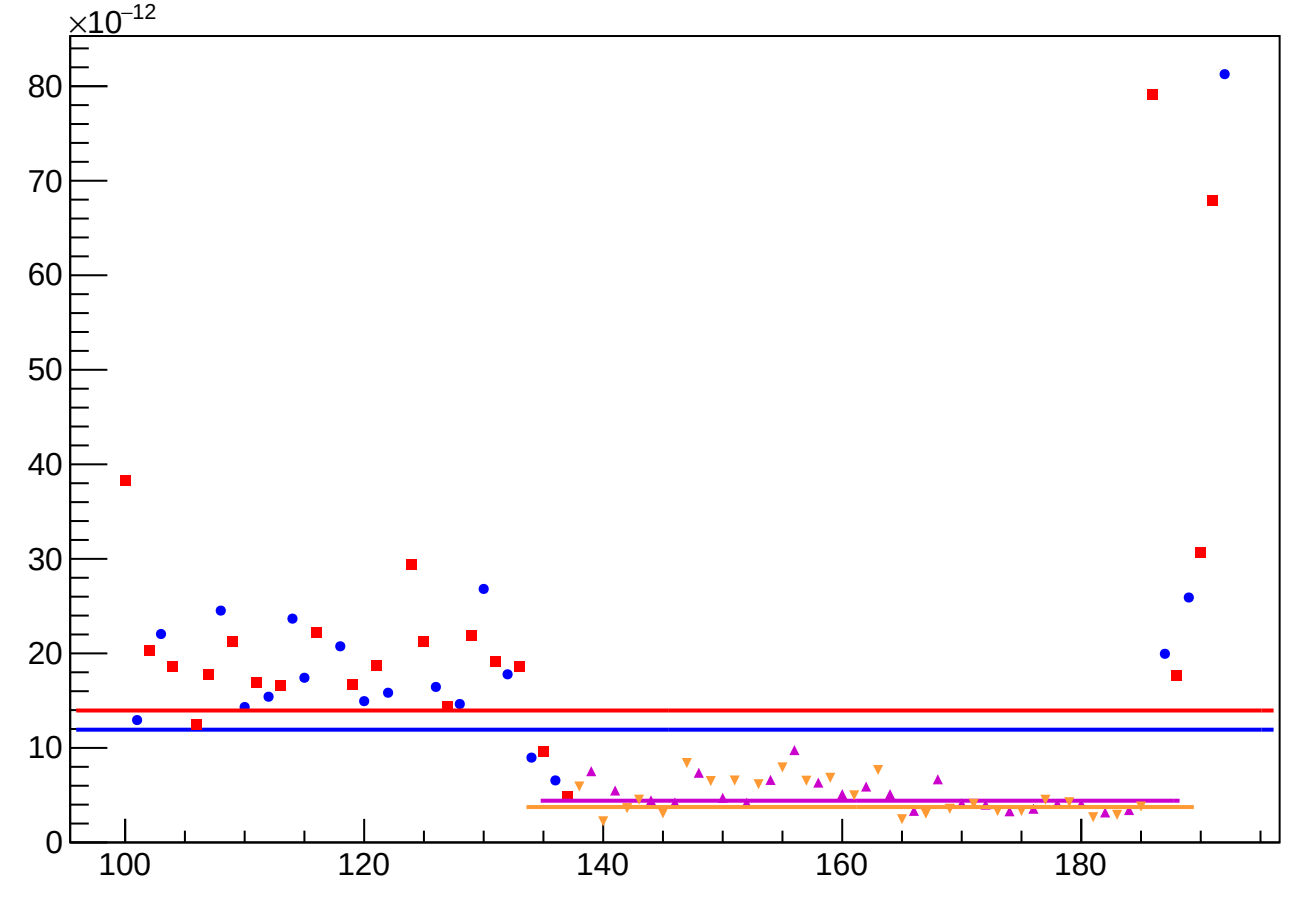
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 62.3/41

In: 0.000+/-0.000 χ^2/NDF:67.1/41

Out: 0.000+/-0.000 χ^2/NDF:45.6/47

All: 0.000+/-0.000 χ^2/NDF: 112.7/89



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: 2160346.4/22

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

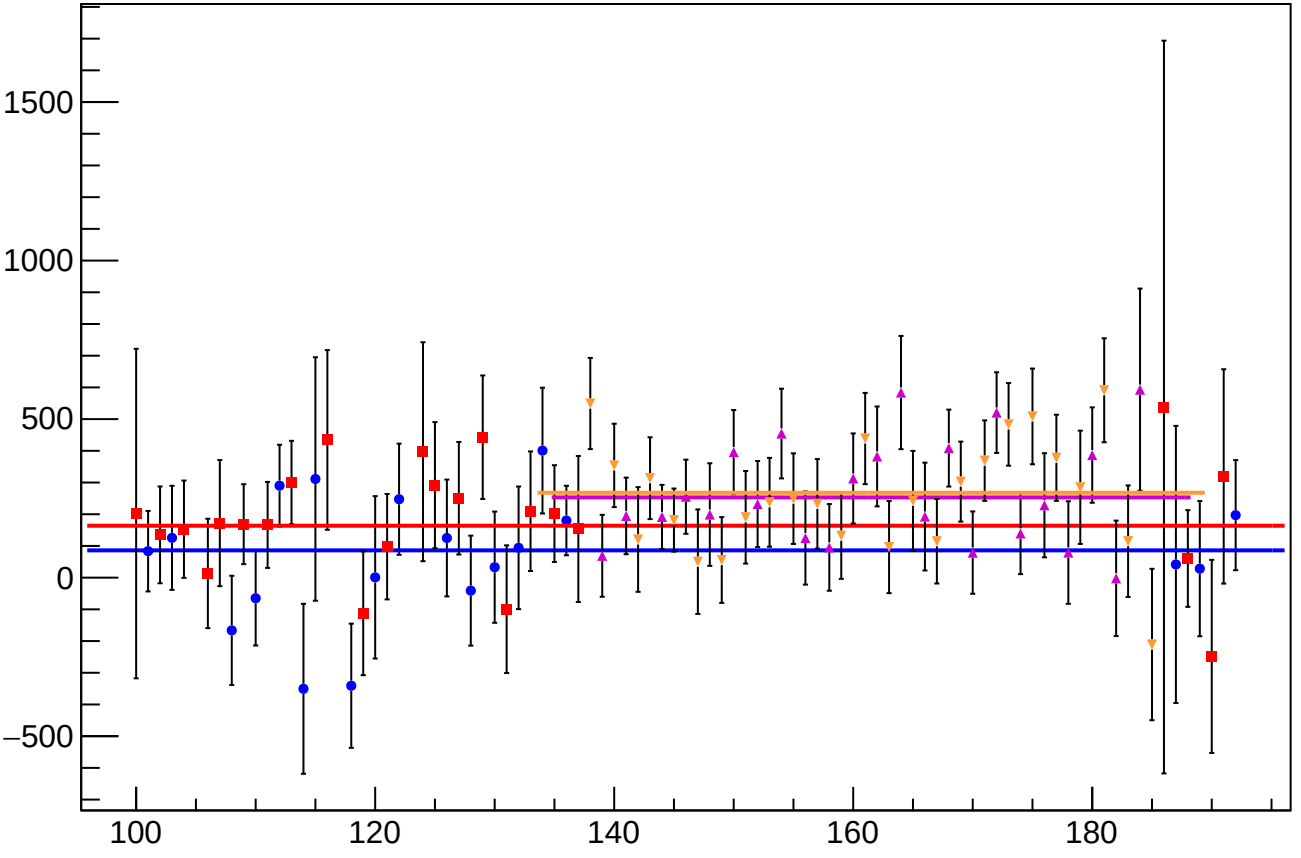
Right: 0.000+/-0.000 χ^2/NDF: 4812714.9/41

In: 0.000+/-0.000 χ^2/NDF:7314915.5/41

Out: 0.000+/-0.000 χ^2/NDF:9995913.2/47

All: 0.000+/-0.000 χ^2/NDF: 17649318.7/89

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: 163.746+/-38.698 χ^2/NDF: 12.6/22

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

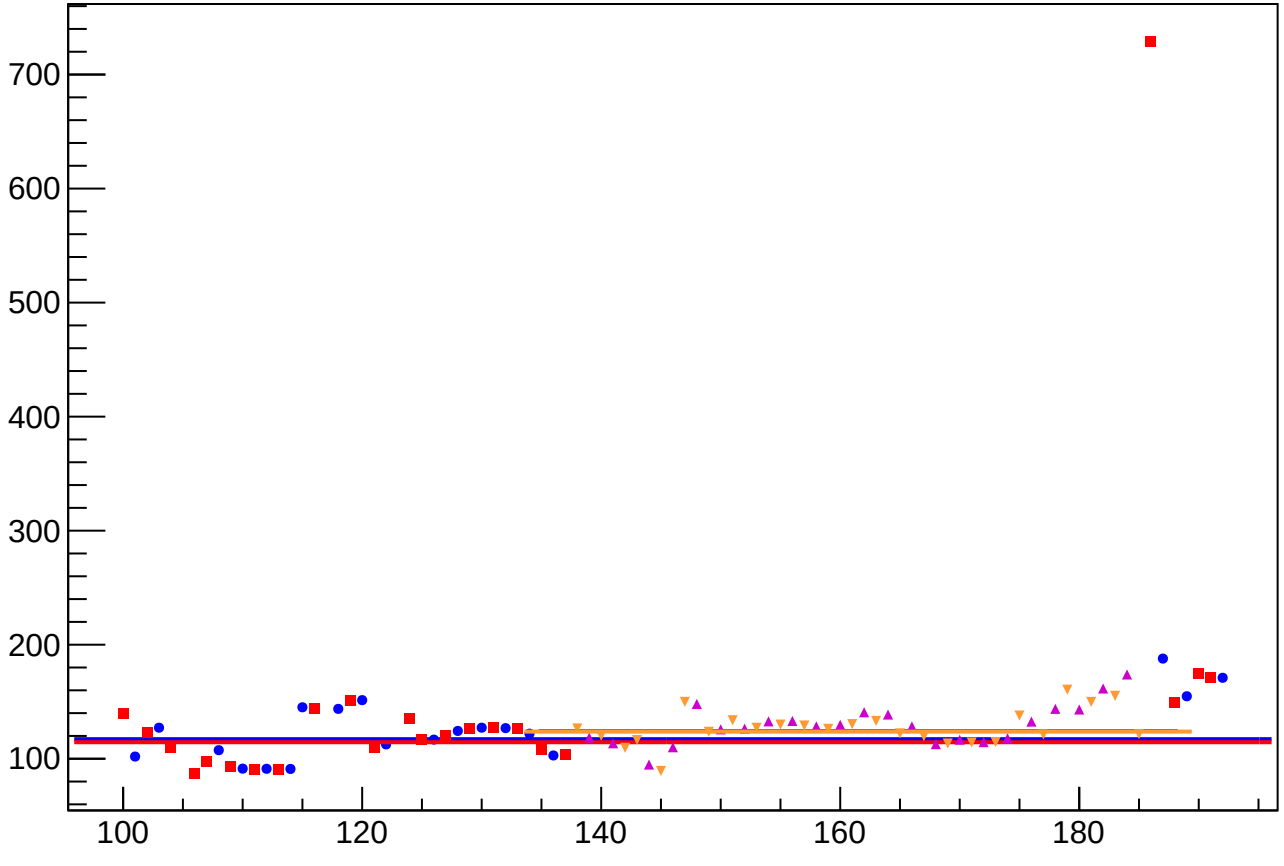
Right: 126.233+/-27.826 χ^2/NDF: 33.4/41

In: 194.785+/-23.652 χ^2/NDF:56.4/41

Out: 231.351+/-22.900 χ^2/NDF:48.3/47

All: 213.659+/-16.452 χ^2/NDF: 105.9/89

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: 114.468+/-0.027 χ^2/NDF: 1202586.6/22

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

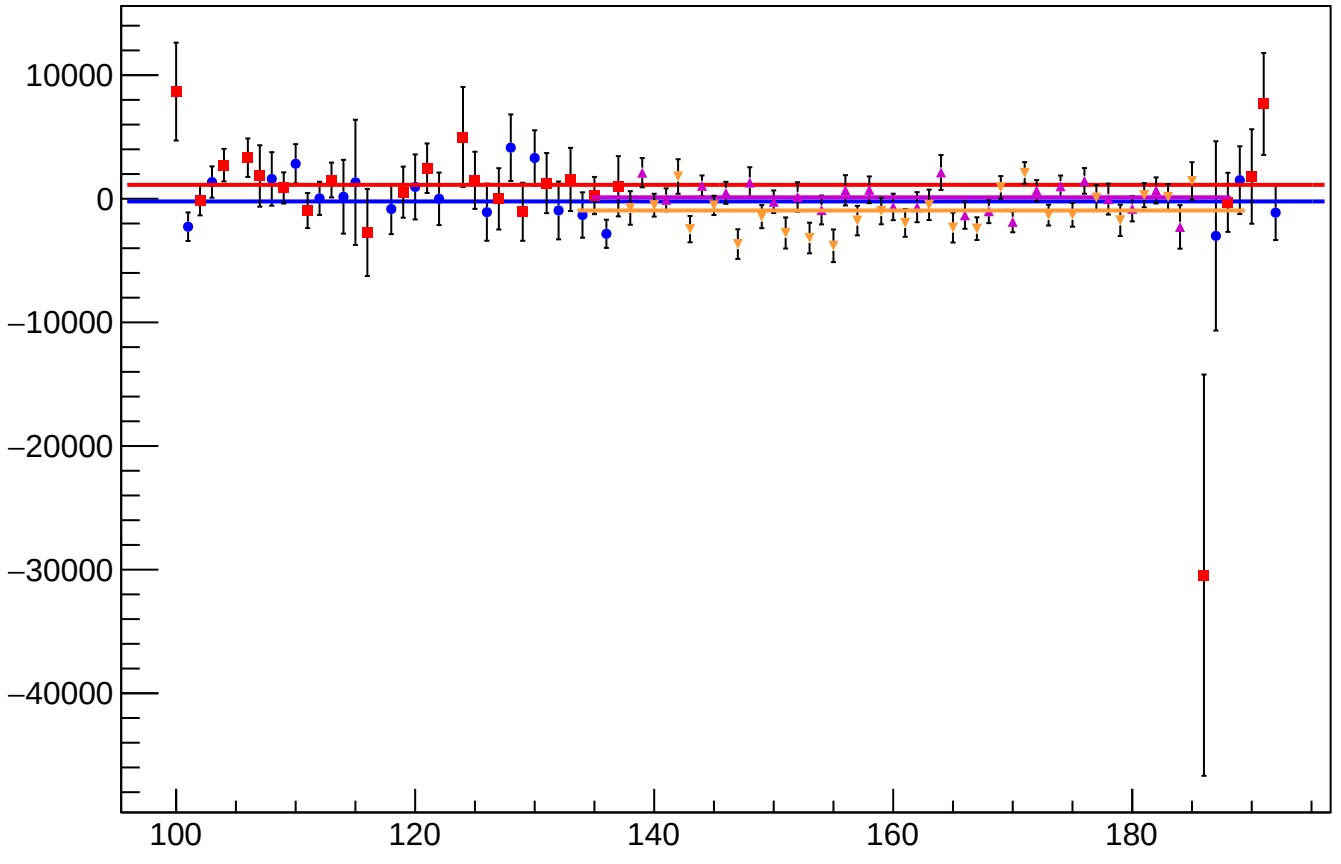
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 115.767+/-0.020 χ^2/NDF: 1851670.1/41

In: 121.781+/-0.017 χ^2/NDF:1242589.7/41

Out: 120.537+/-0.016 χ^2/NDF:1876735.9/47

All: 121.139+/-0.012 χ^2/NDF: 3122182.0/89



Right In: -214.781+/-429.282 χ^2/NDF: 21.1/18

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: 1126.122+/-411.903 χ^2/NDF: 21.2/22

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

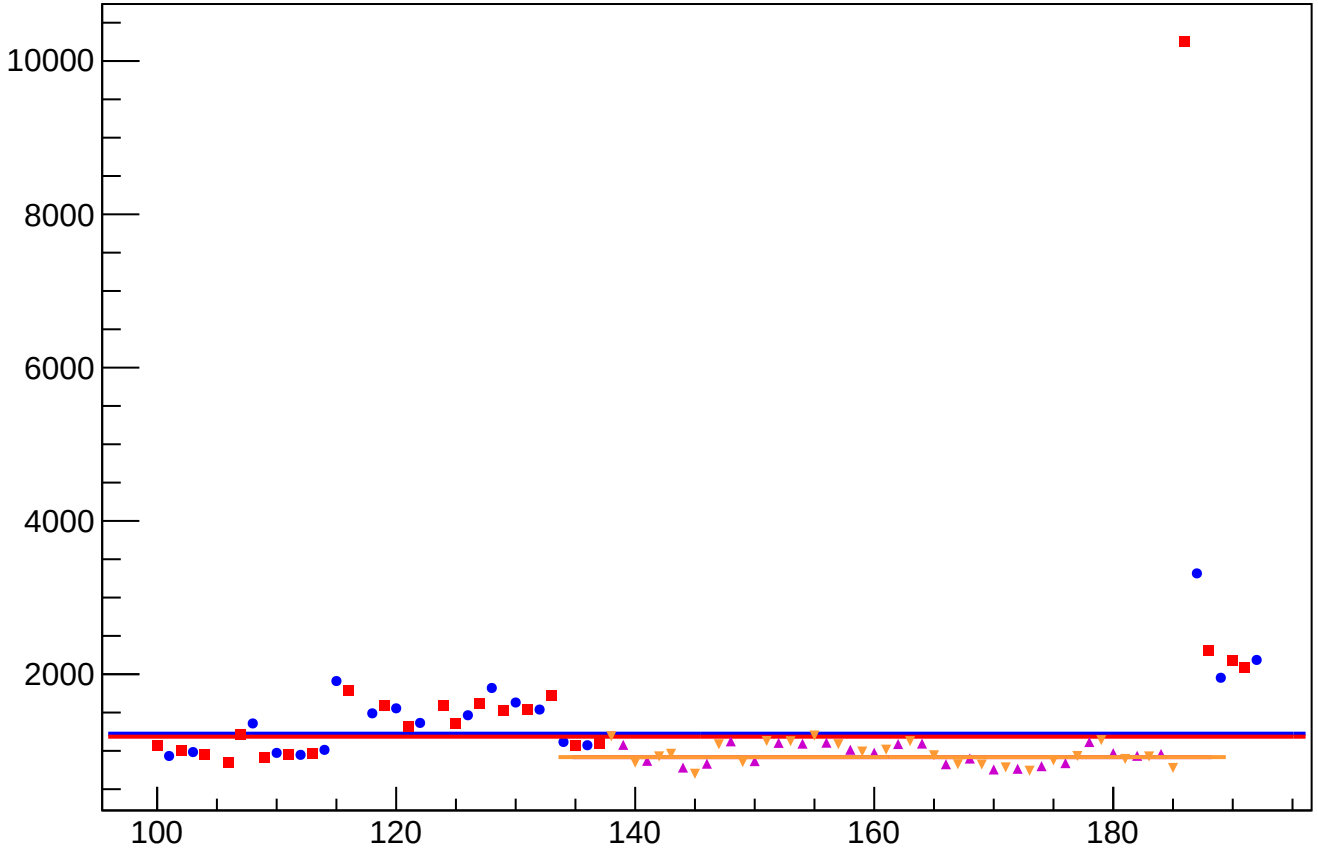
Right: 483.361+/-297.213 χ^2/NDF: 47.4/41

In: 50.534+/-193.781 χ^2/NDF:46.0/41

Out: -514.078+/-188.353 χ^2/NDF:91.5/47

All: -239.789+/-135.064 χ^2/NDF: 141.9/89

asym_sam_48_dd_reg_correction_rms vs Slug, Sign Corrected



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: 1184.897+/-0.291 χ^2/NDF: 2126799.3/22

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

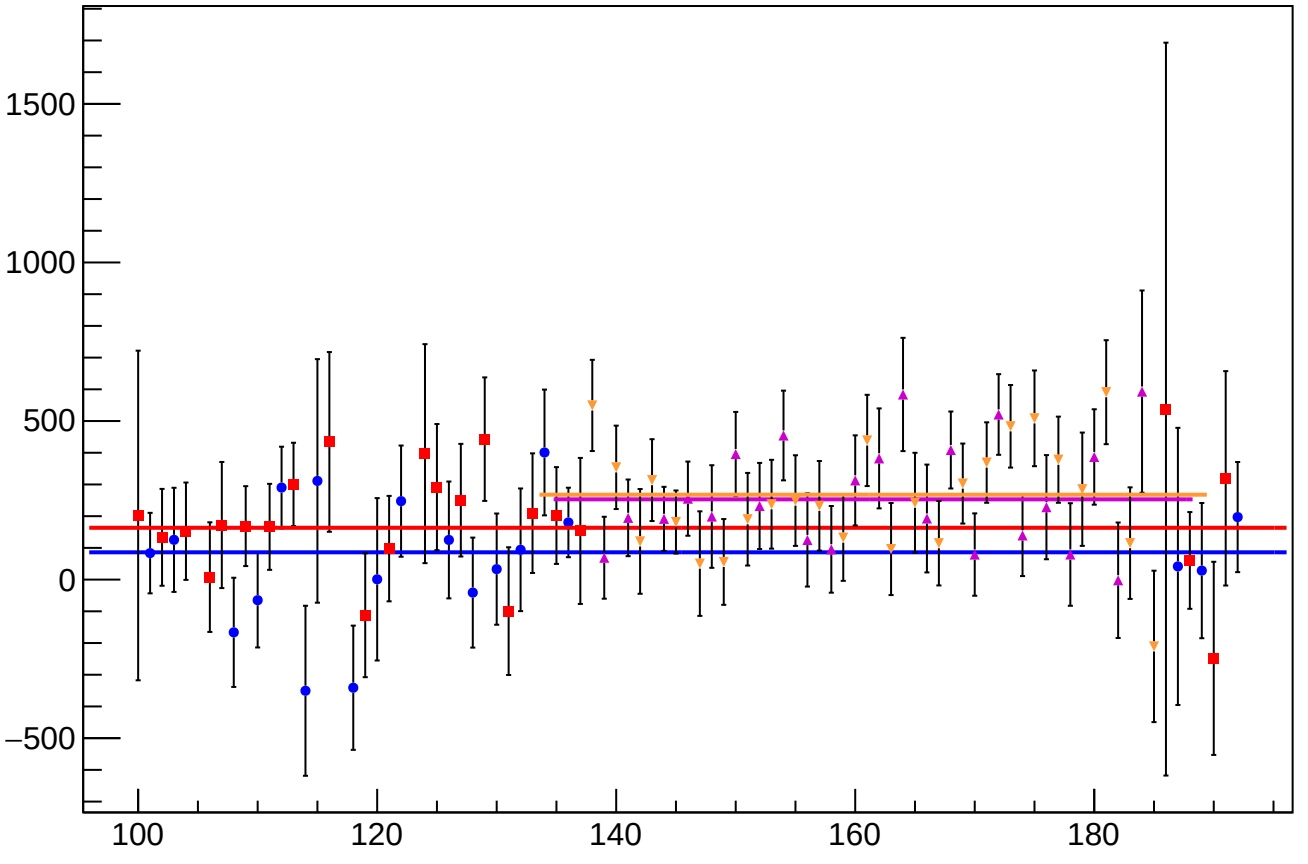
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1203.736+/-0.210 χ^2/NDF: 3528054.2/41

In: 980.564+/-0.137 χ^2/NDF:2867857.2/41

Out: 974.205+/-0.133 χ^2/NDF:3676247.9/47

All: 977.294+/-0.096 χ^2/NDF: 6545212.7/89



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: 163.387+/-38.703 χ^2/NDF: 12.6/22

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

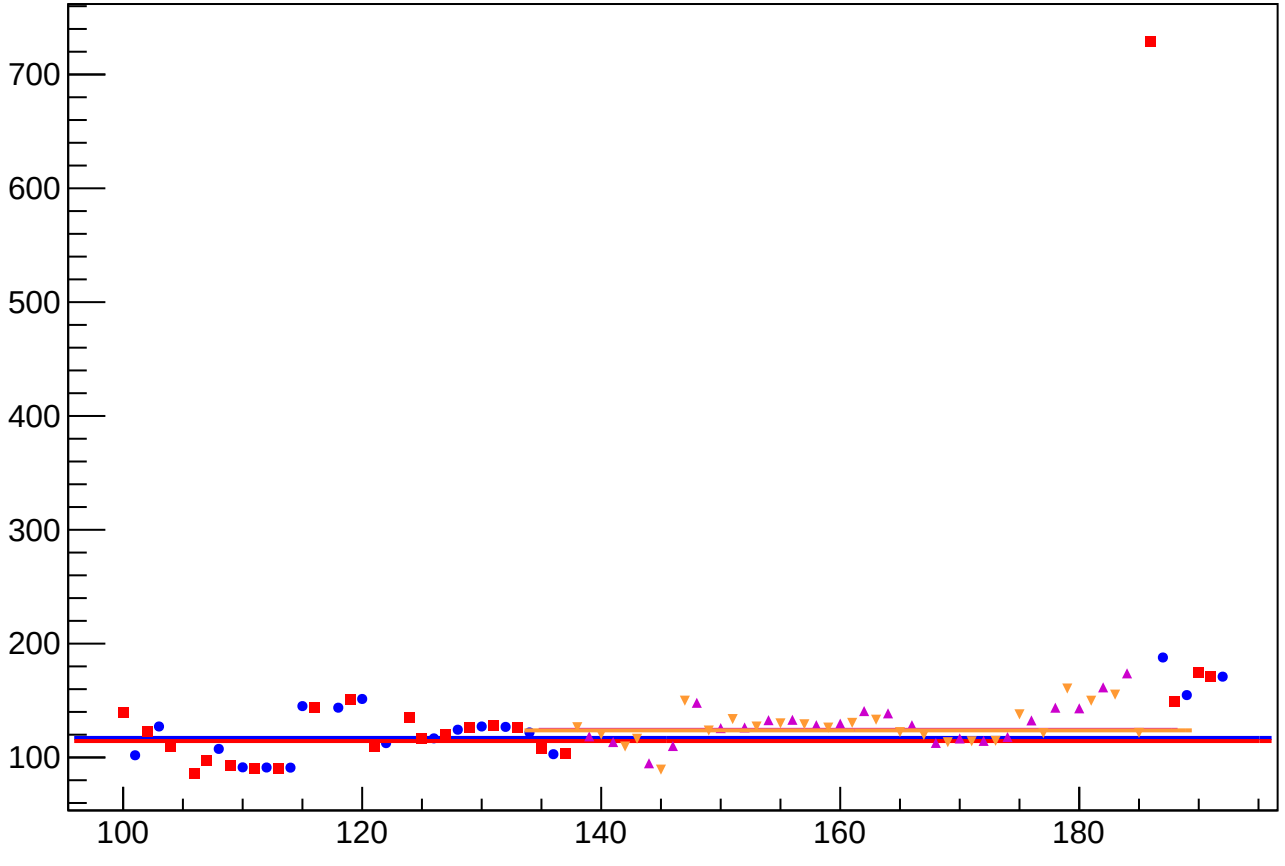
Right: 126.038+/-27.828 χ^2/NDF: 33.4/41

In: 194.784+/-23.652 χ^2/NDF:56.4/41

Out: 231.237+/-22.901 χ^2/NDF:48.3/47

All: 213.599+/-16.453 χ^2/NDF: 105.9/89

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: 114.418+/-0.027 χ^2/NDF: 1206765.9/22

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

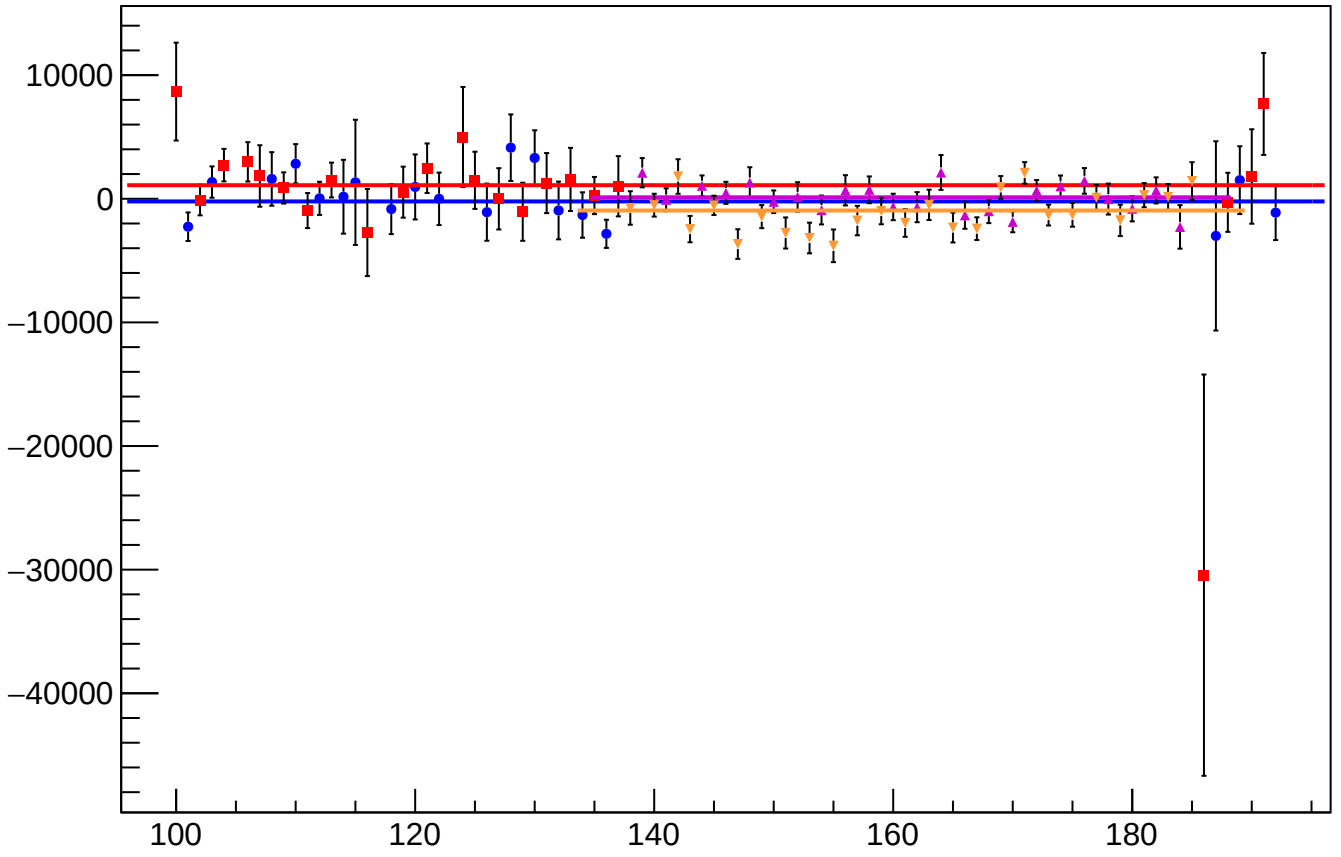
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 115.741+/-0.020 χ^2/NDF: 1856023.1/41

In: 121.781+/-0.017 χ^2/NDF:1242590.2/41

Out: 120.520+/-0.016 χ^2/NDF:1881708.4/47

All: 121.130+/-0.012 χ^2/NDF: 3127232.7/89



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: 1097.003+/-412.582 χ^2/NDF: 20.6/22

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

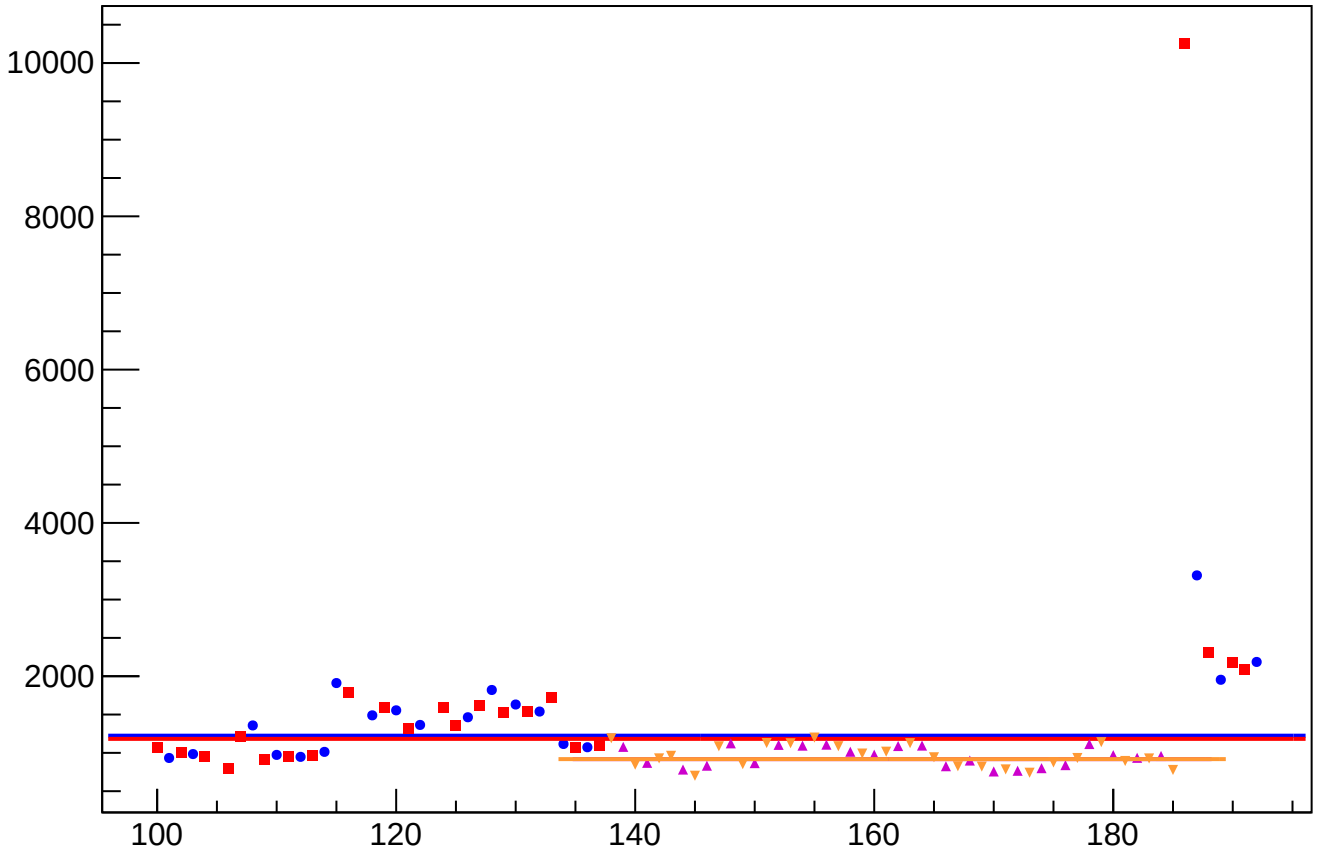
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 467.086+/-297.469 χ^2/NDF: 46.6/41

In: 50.520+/-193.781 χ^2/NDF:46.0/41

Out: -521.270+/-188.418 χ^2/NDF:90.3/47

All: -243.397+/-135.088 χ^2/NDF: 140.8/89



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: 1182.644+/-0.292 χ^2/NDF: 2151194.1/22

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

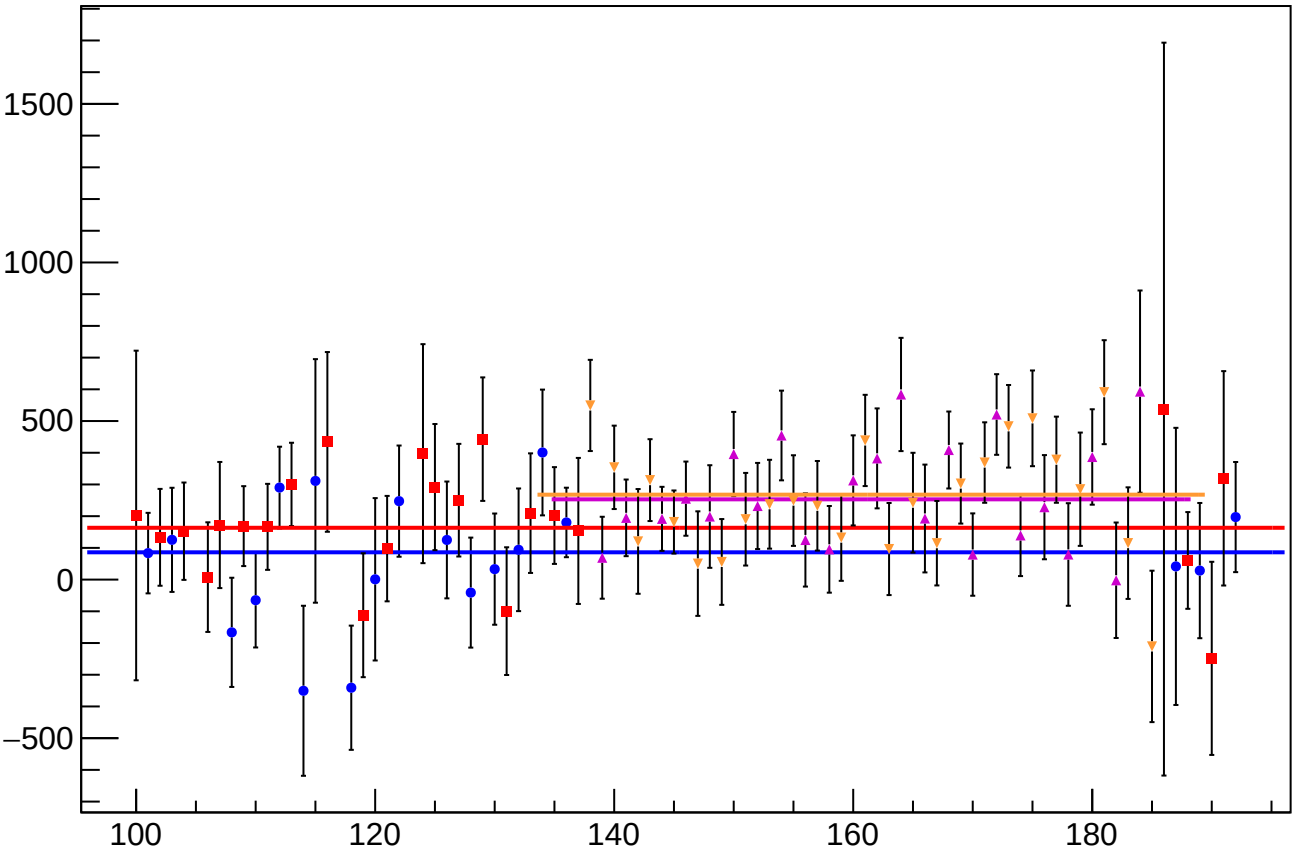
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1202.602+/-0.210 χ^2/NDF: 3553423.4/41

In: 980.566+/-0.137 χ^2/NDF:2867857.3/41

Out: 973.590+/-0.133 χ^2/NDF:3687807.6/47

All: 976.980+/-0.096 χ^2/NDF: 6556997.0/89



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: 163.387+/-38.703 χ^2/NDF: 12.6/22

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

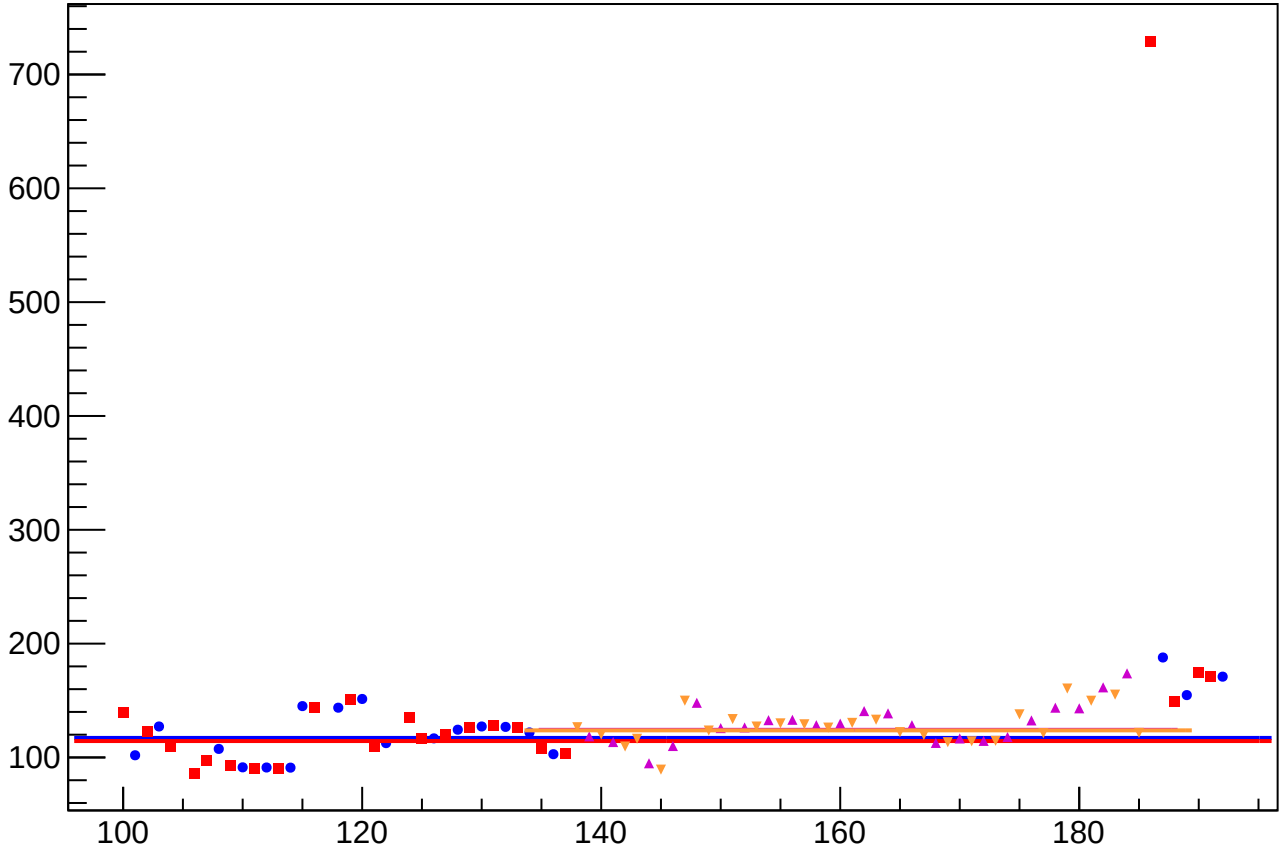
Right: 126.038+/-27.828 χ^2/NDF: 33.4/41

In: 194.784+/-23.652 χ^2/NDF:56.4/41

Out: 231.237+/-22.901 χ^2/NDF:48.3/47

All: 213.599+/-16.453 χ^2/NDF: 105.9/89

eigen_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: 114.418+/-0.027 χ^2/NDF: 1206765.9/22

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

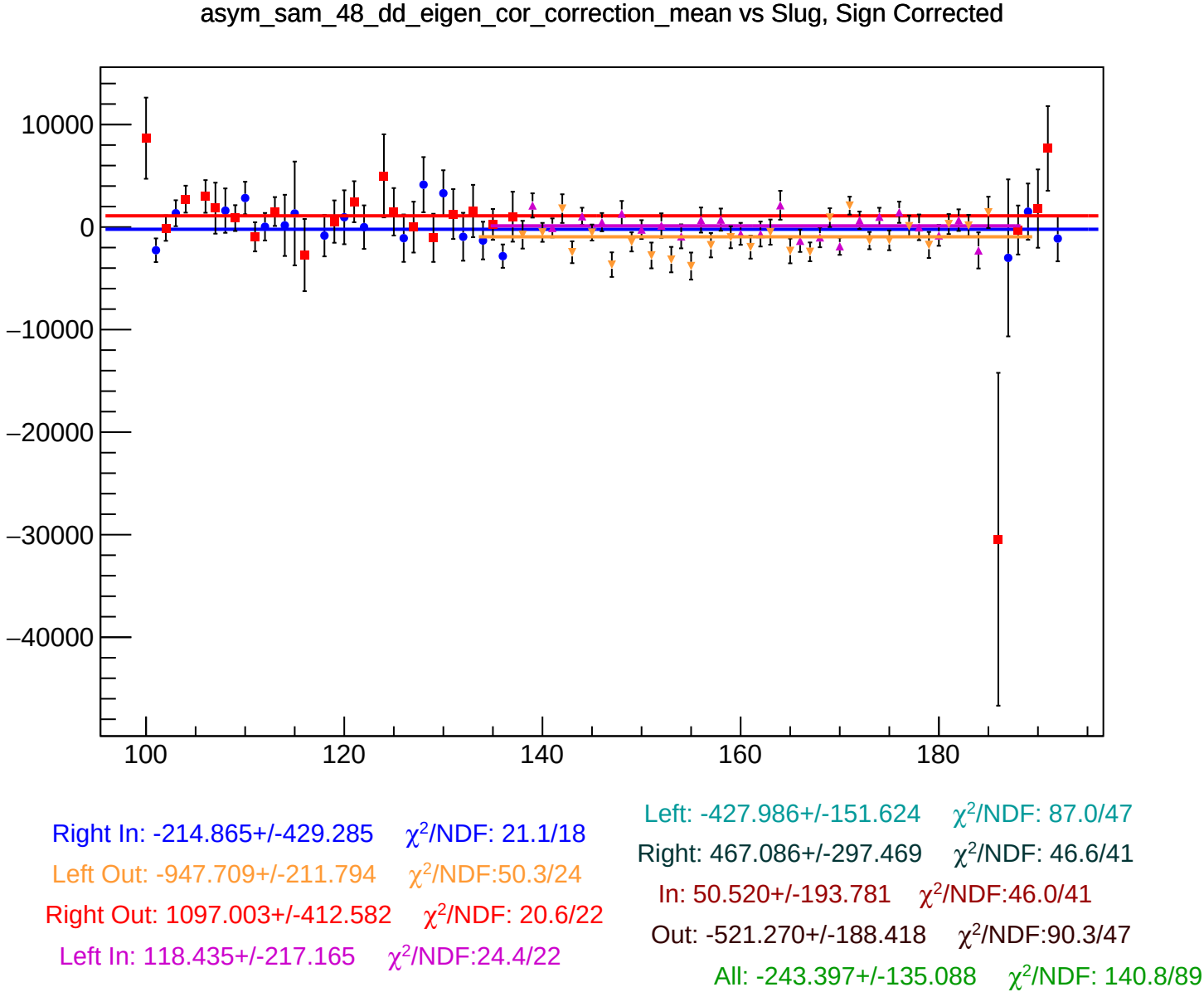
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 115.741+/-0.020 χ^2/NDF: 1856023.1/41

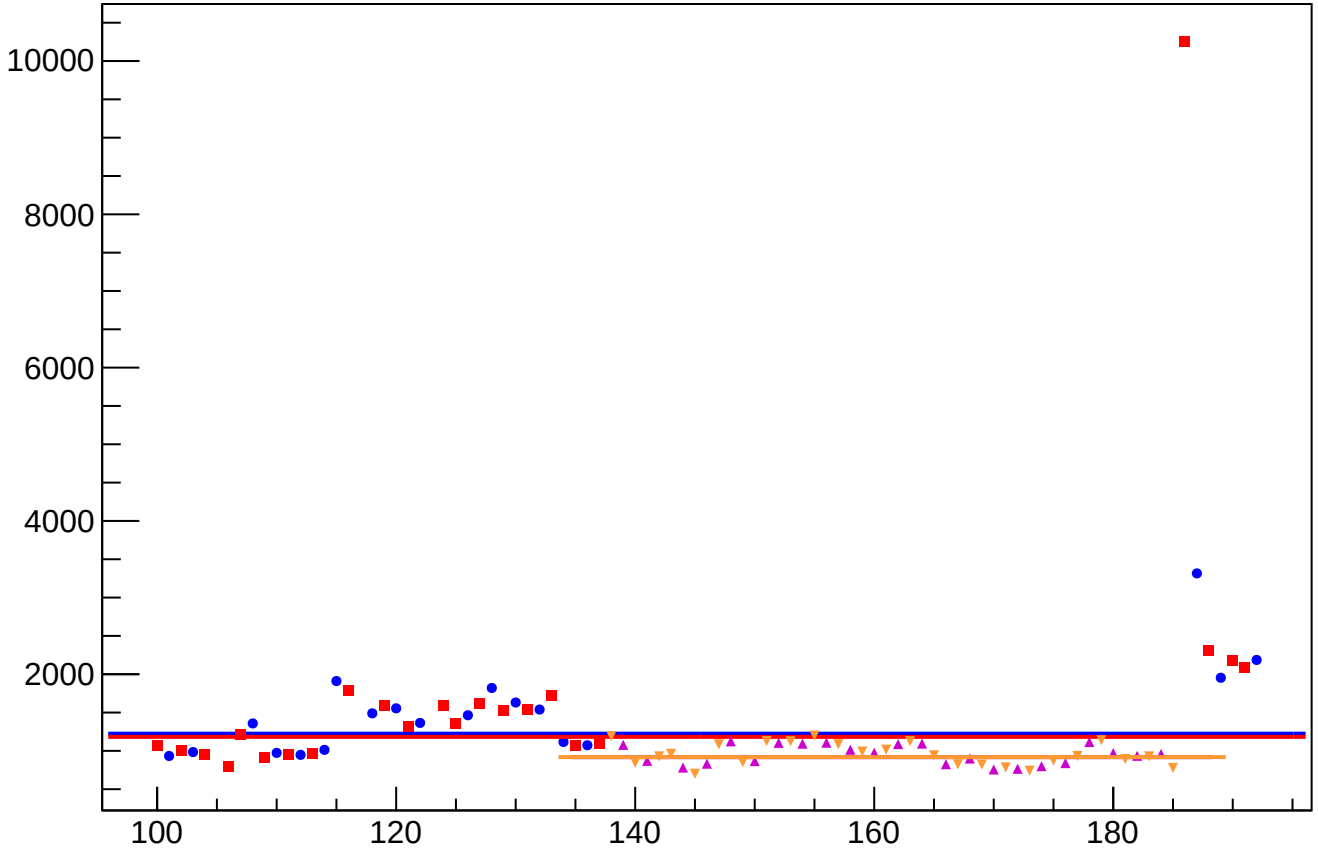
In: 121.781+/-0.017 χ^2/NDF:1242590.2/41

Out: 120.520+/-0.016 χ^2/NDF:1881708.4/47

All: 121.130+/-0.012 χ^2/NDF: 3127232.7/89


asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: -214.865+/-429.285 χ²/NDF: 21.1/18
Left Out: -947.709+/-211.794 χ²/NDF:50.3/24
Right Out: 1097.003+/-412.582 χ²/NDF: 20.6/22
Left In: 118.435+/-217.165 χ²/NDF:24.4/22
Left: -427.986+/-151.624 χ²/NDF: 87.0/47
Right: 467.086+/-297.469 χ²/NDF: 46.6/41
In: 50.520+/-193.781 χ²/NDF:46.0/41
Out: -521.270+/-188.418 χ²/NDF:90.3/47
All: -243.397+/-135.088 χ²/NDF: 140.8/89

asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1182.644+/-0.292 χ^2/NDF: 2151194.1/22

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

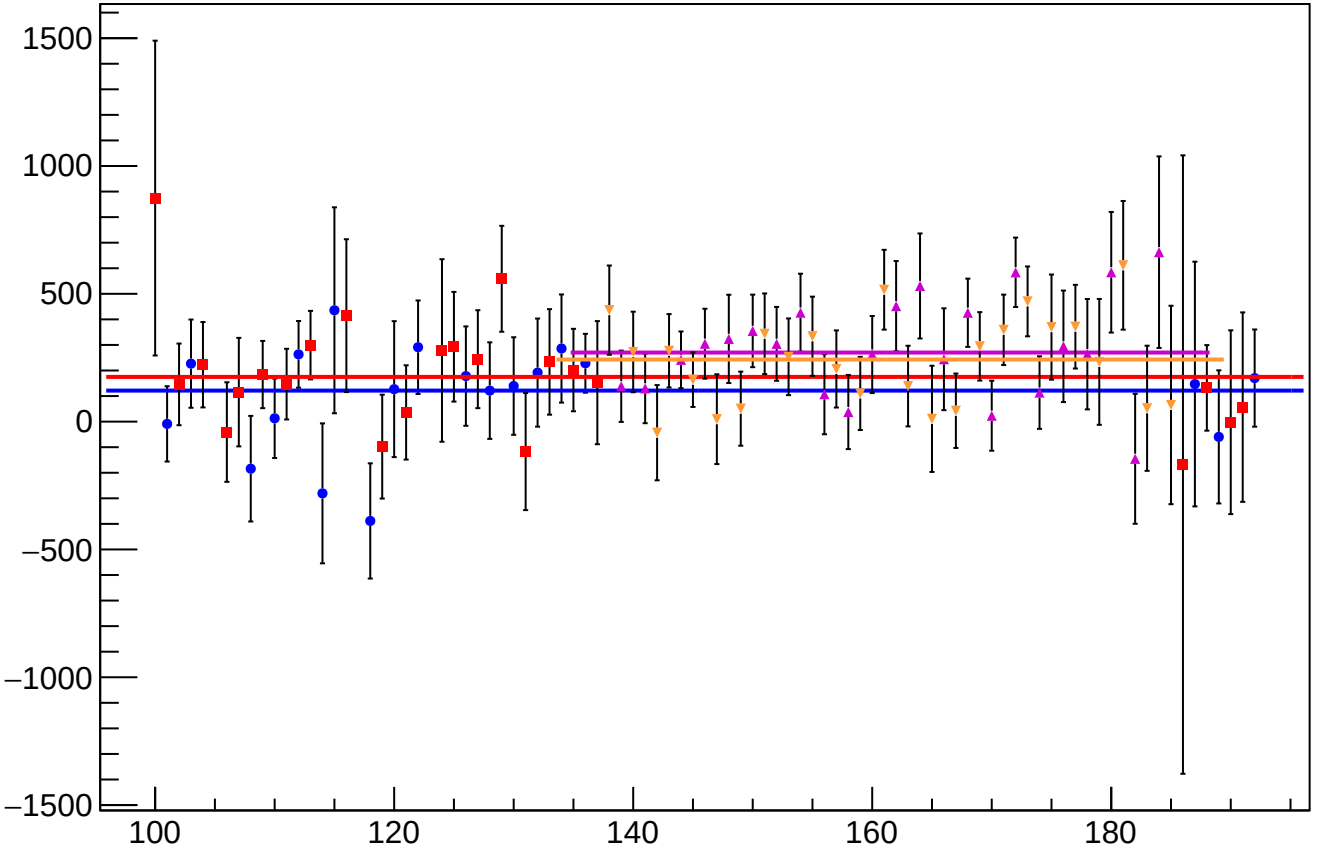
Right: 1202.602+/-0.210 χ^2/NDF: 3553423.4/41

In: 980.566+/-0.137 χ^2/NDF:2867857.3/41

Out: 973.590+/-0.133 χ^2/NDF:3687807.6/47

All: 976.980+/-0.096 χ^2/NDF: 6556997.0/89

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: 174.990+/-41.287 χ^2/NDF: 12.8/22

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

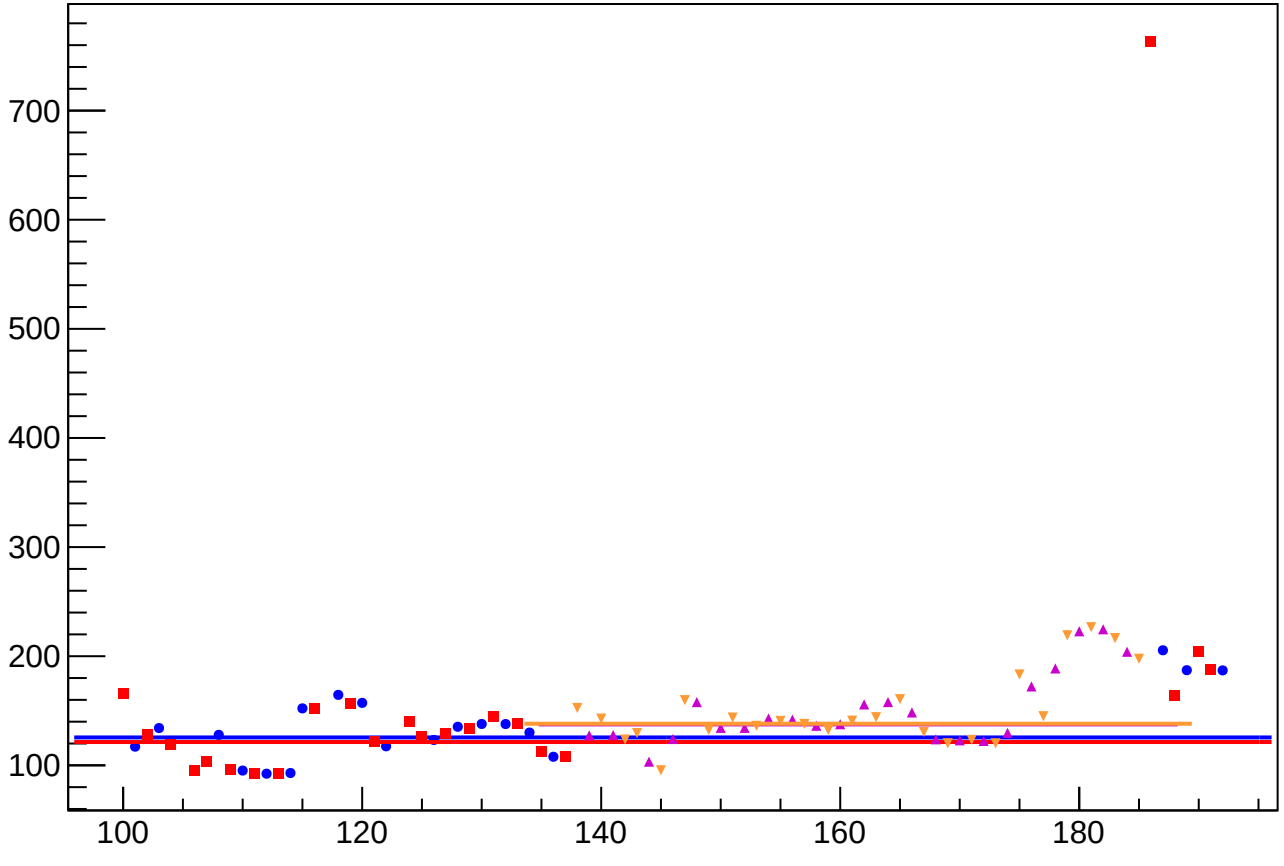
Right: 149.429+/-29.853 χ^2/NDF: 29.6/41

In: 215.654+/-26.174 χ^2/NDF:50.2/41

Out: 217.270+/-25.361 χ^2/NDF:38.2/47

All: 216.488+/-18.214 χ^2/NDF: 88.4/89

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: 121.359+/-0.029 χ^2/NDF: 1323090.7/22

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

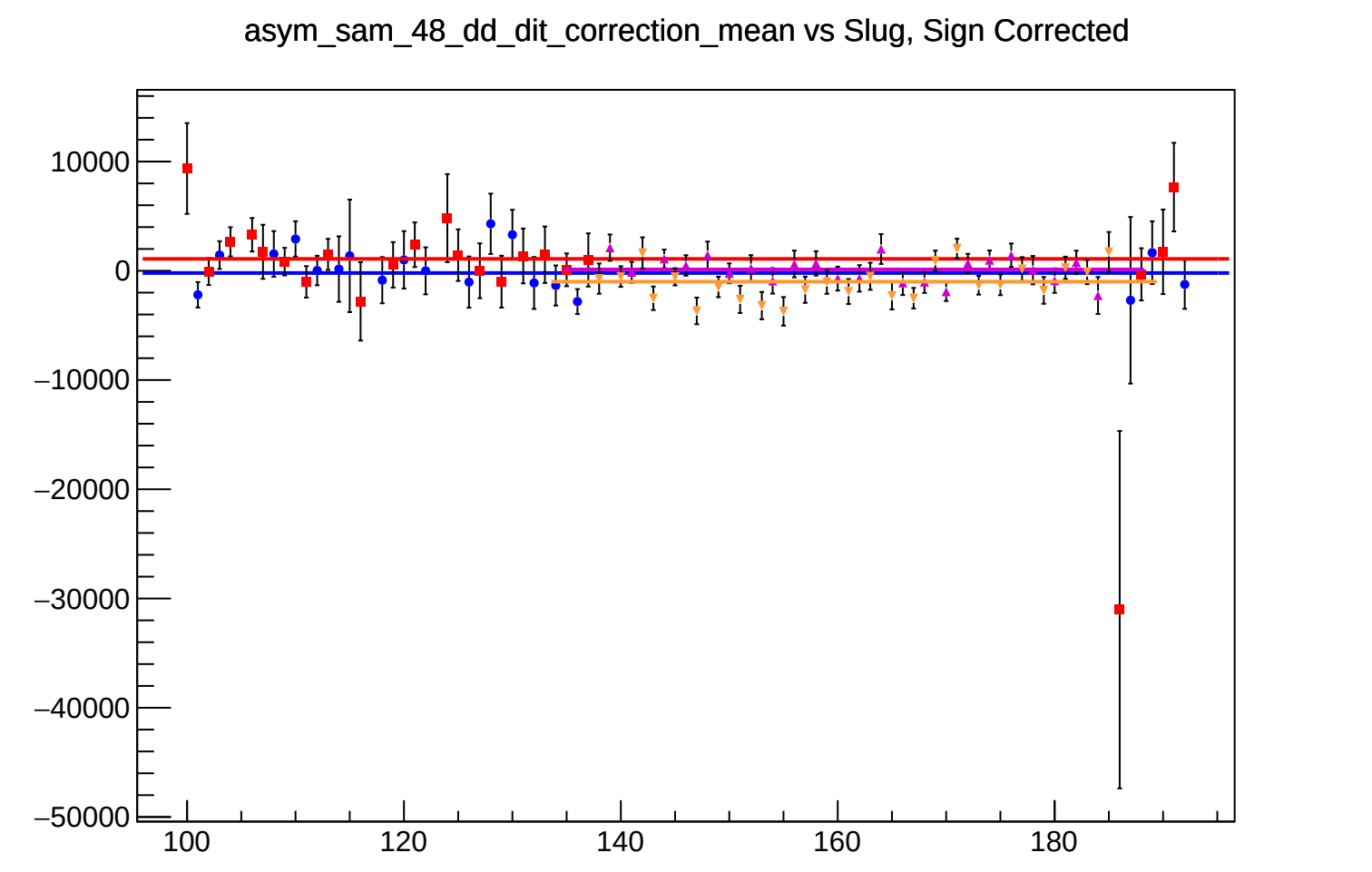
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 123.358+/-0.021 χ^2/NDF: 2125816.0/41

In: 133.111+/-0.019 χ^2/NDF:1998933.8/41

Out: 131.801+/-0.018 χ^2/NDF:2866819.5/47

All: 132.435+/-0.013 χ^2/NDF: 4868337.7/89



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: 1092.949+/-414.585 χ^2/NDF: 21.4/22

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

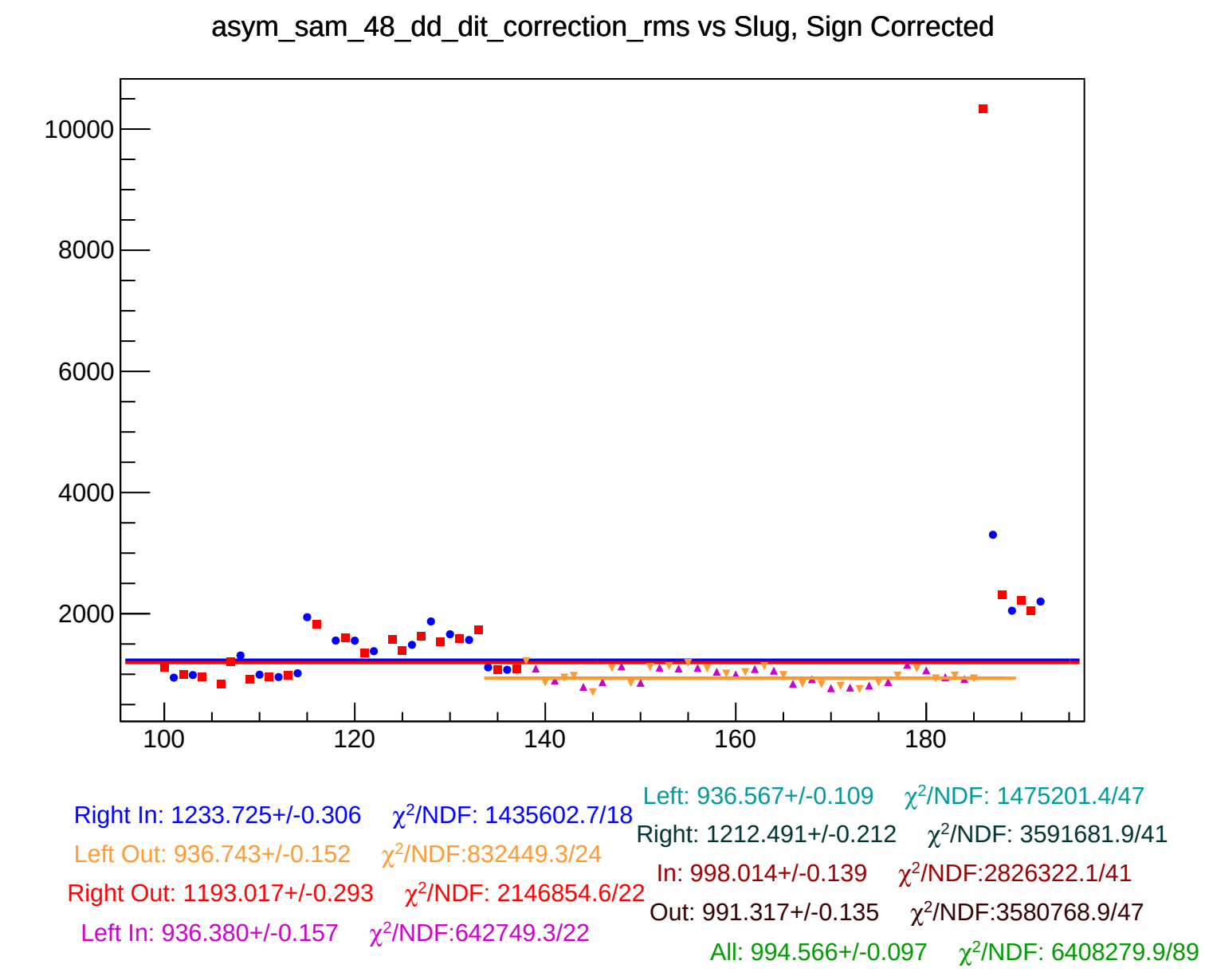
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

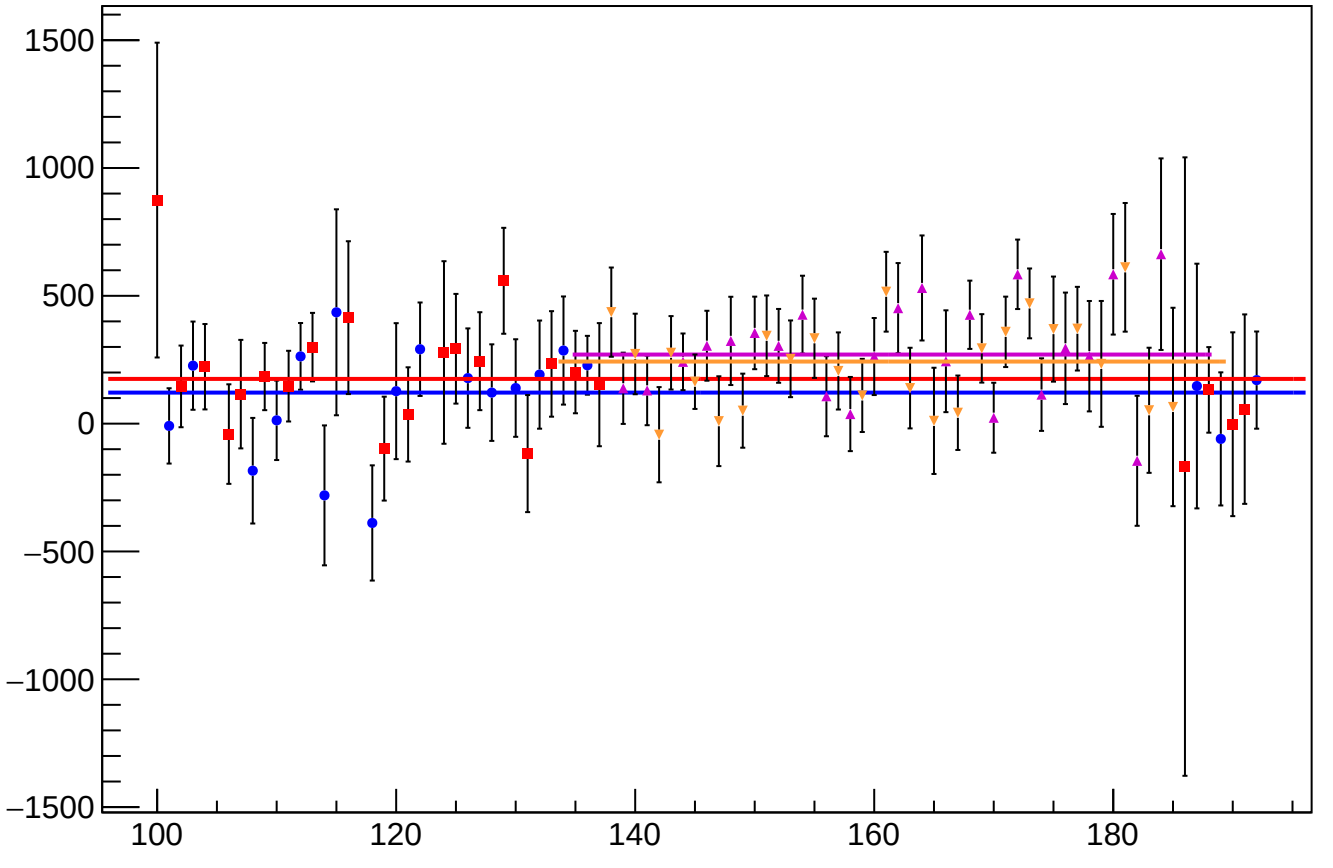
Right: 474.159+/-299.423 χ^2/NDF: 47.2/41

In: 57.411+/-197.093 χ^2/NDF:45.4/41

Out: -548.980+/-191.317 χ^2/NDF:88.3/47

All: -254.800+/-137.278 χ^2/NDF: 138.6/89


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: 1193.017+/-0.293 χ²/NDF: 2146854.6/22
Left In: 936.380+/-0.157 χ²/NDF:642749.3/22
Left: 936.567+/-0.109 χ²/NDF: 1475201.4/47
Right: 1212.491+/-0.212 χ²/NDF: 3591681.9/41
In: 998.014+/-0.139 χ²/NDF:2826322.1/41
Out: 991.317+/-0.135 χ²/NDF:3580768.9/47
All: 994.566+/-0.097 χ²/NDF: 6408279.9/89



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: 174.990+/-41.287 χ^2/NDF: 12.8/22

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

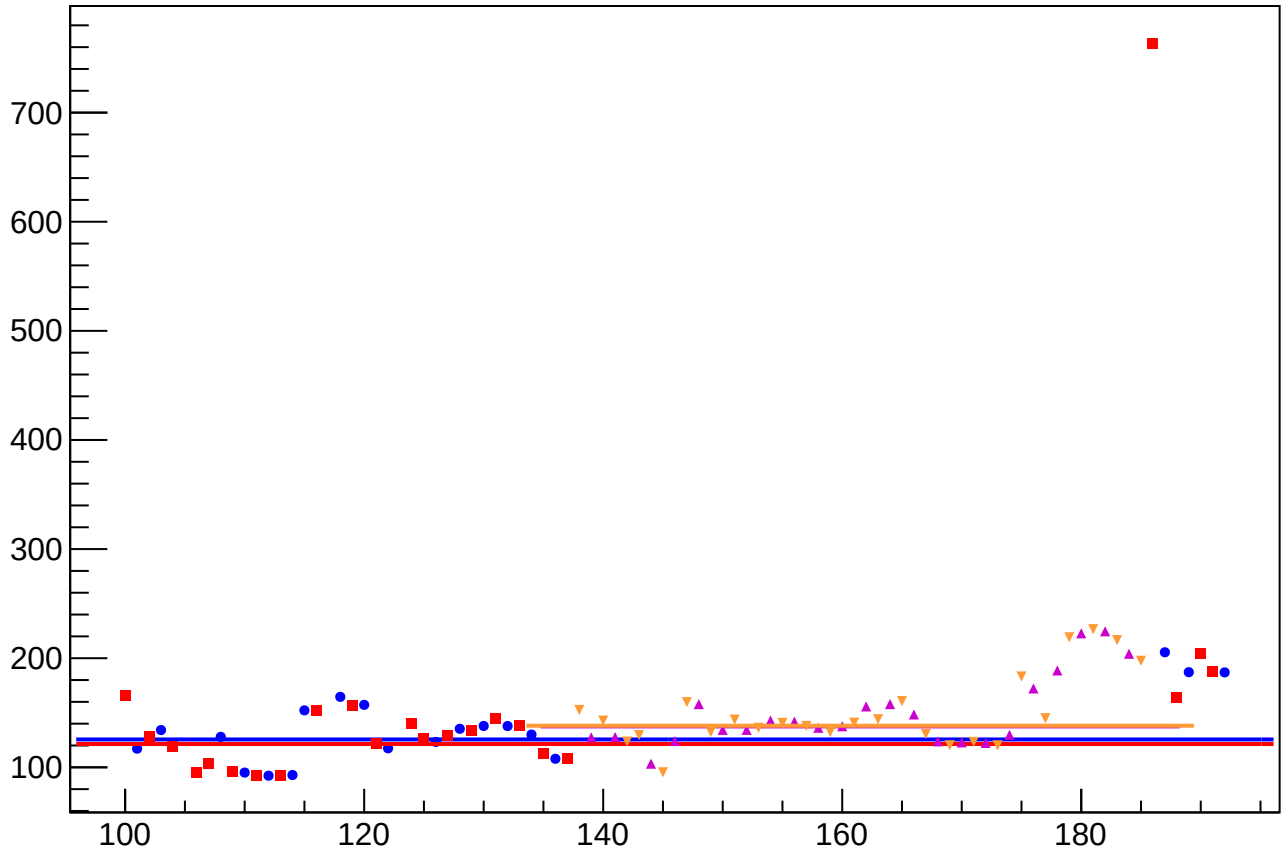
Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

Right: 149.430+/-29.853 χ^2/NDF: 29.6/41

In: 215.656+/-26.174 χ^2/NDF:50.2/41

Out: 217.272+/-25.361 χ^2/NDF:38.2/47

All: 216.489+/-18.214 χ^2/NDF: 88.4/89



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: 121.359+/-0.029 χ^2/NDF: 1323097.4/22

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

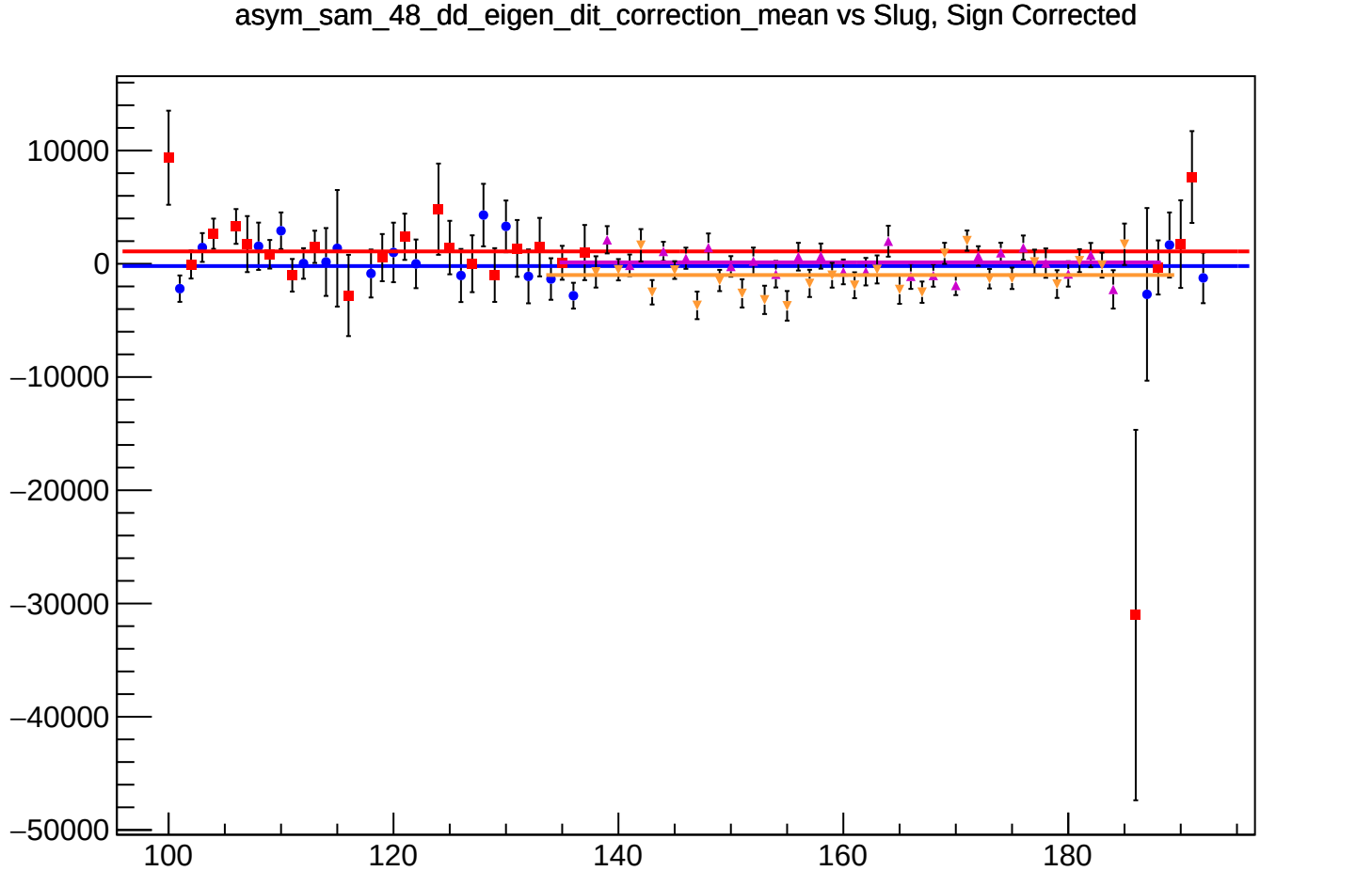
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 123.358+/-0.021 χ^2/NDF: 2125818.8/41

In: 133.111+/-0.019 χ^2/NDF:1998916.0/41

Out: 131.801+/-0.018 χ^2/NDF:2866829.9/47

All: 132.435+/-0.013 χ^2/NDF: 4868330.4/89



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: 1092.949+/-414.585 χ^2/NDF: 21.4/22

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

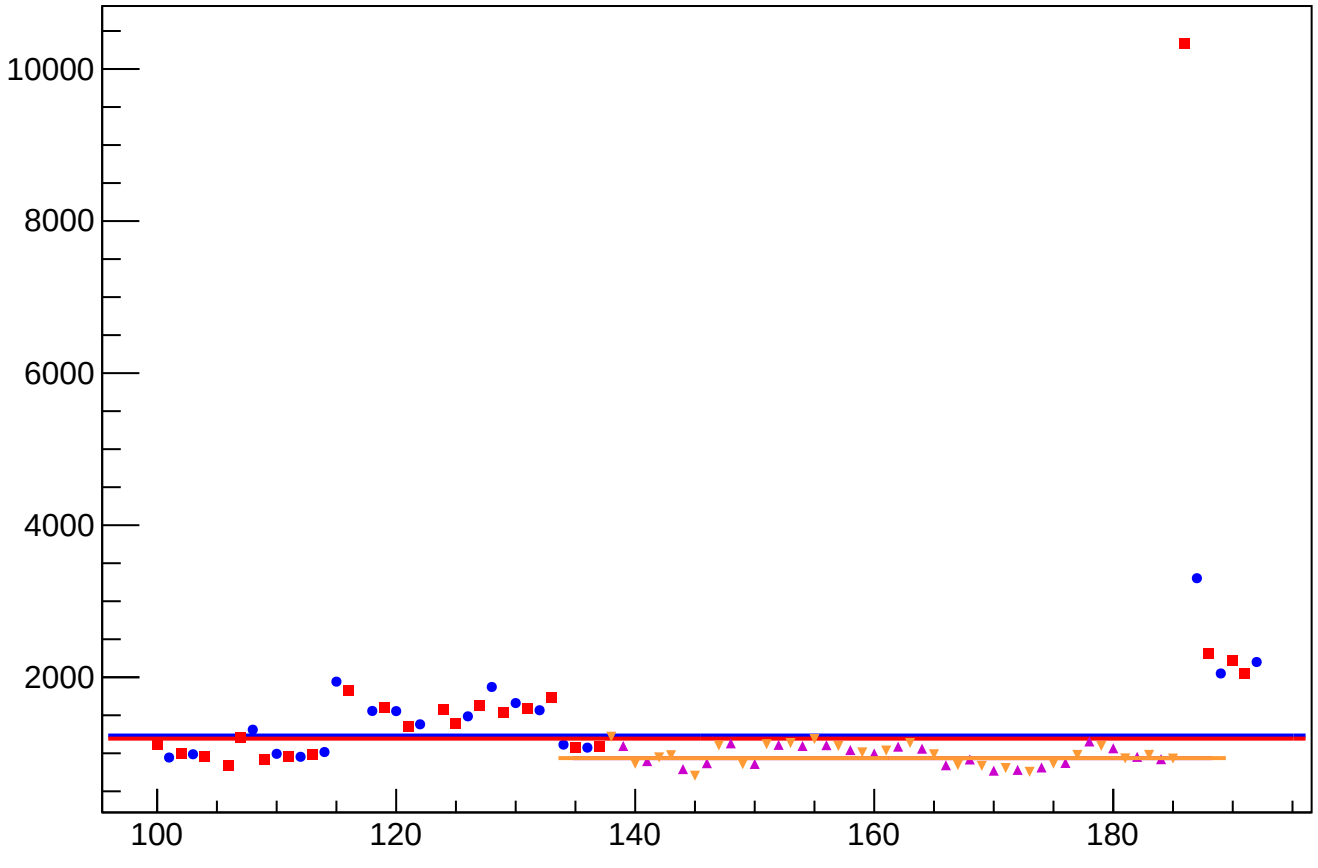
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 474.159+/-299.423 χ^2/NDF: 47.2/41

In: 57.411+/-197.093 χ^2/NDF:45.4/41

Out: -548.979+/-191.317 χ^2/NDF:88.3/47

All: -254.799+/-137.278 χ^2/NDF: 138.6/89



Right In: 1233.725+/-0.306 χ^2/NDF: 1435601.2/18

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1193.016+/-0.293 χ^2/NDF: 2146853.7/22

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

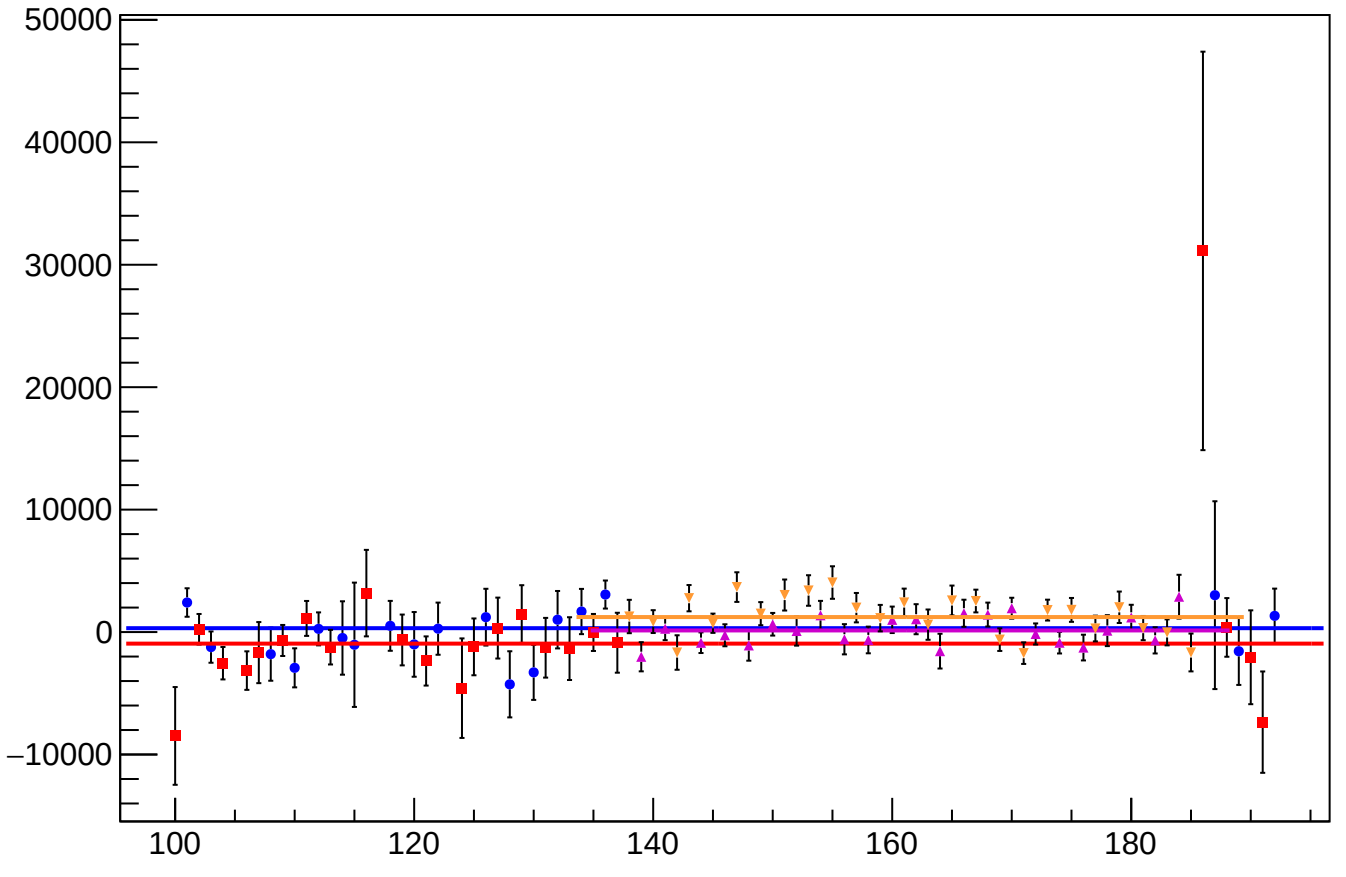
Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

Right: 1212.491+/-0.212 χ^2/NDF: 3591679.7/41

In: 998.013+/-0.139 χ^2/NDF:2826323.9/41

Out: 991.316+/-0.135 χ^2/NDF:3580775.2/47

All: 994.565+/-0.097 χ^2/NDF: 6408288.0/89



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: -943.859+/-414.145 χ^2/NDF: 21.2/22

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

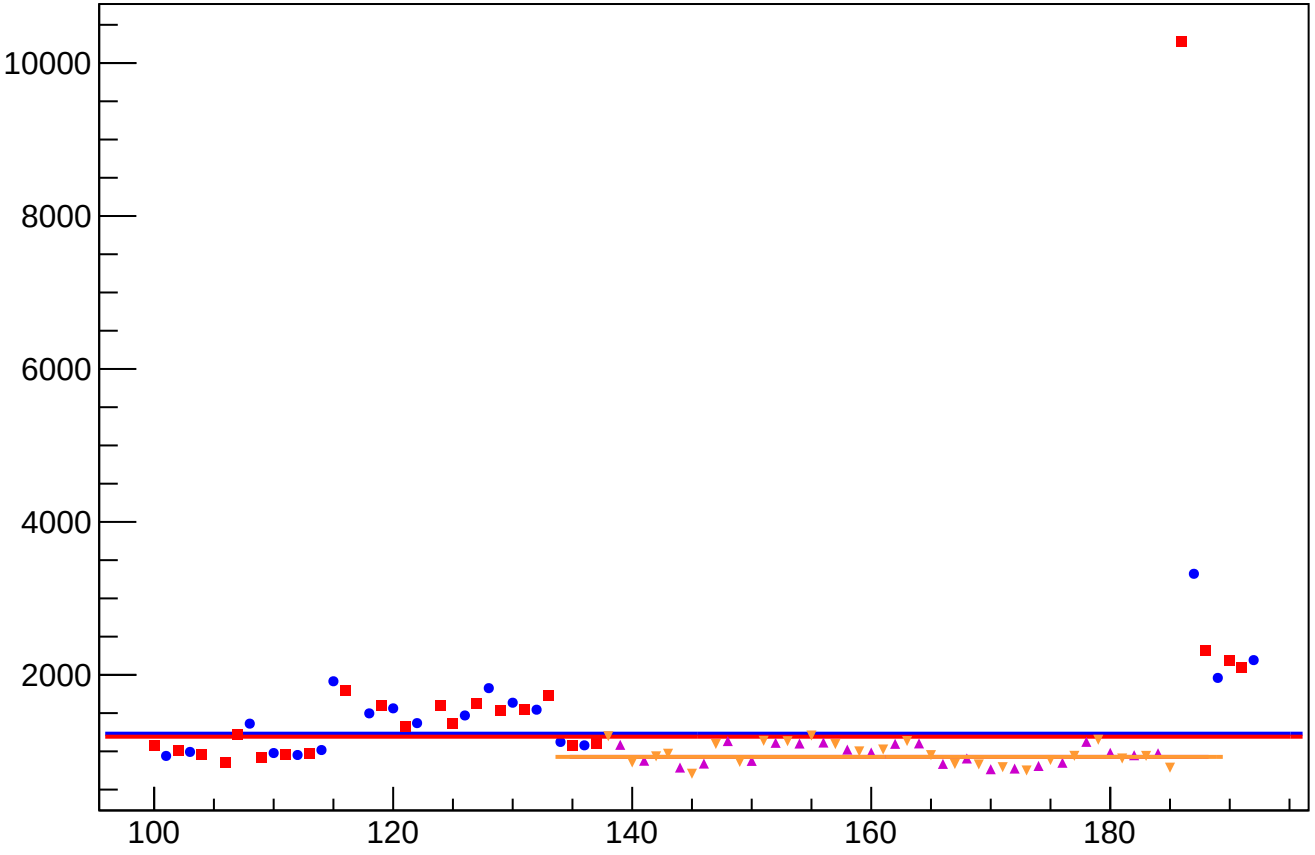
Right: -339.129+/-298.798 χ^2/NDF: 48.6/41

In: 170.712+/-195.486 χ^2/NDF:49.0/41

Out: 768.879+/-190.008 χ^2/NDF:91.4/47

All: 478.294+/-136.252 χ^2/NDF: 145.1/89

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: 1191.513+/-0.293 χ^2/NDF: 2115781.8/22

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

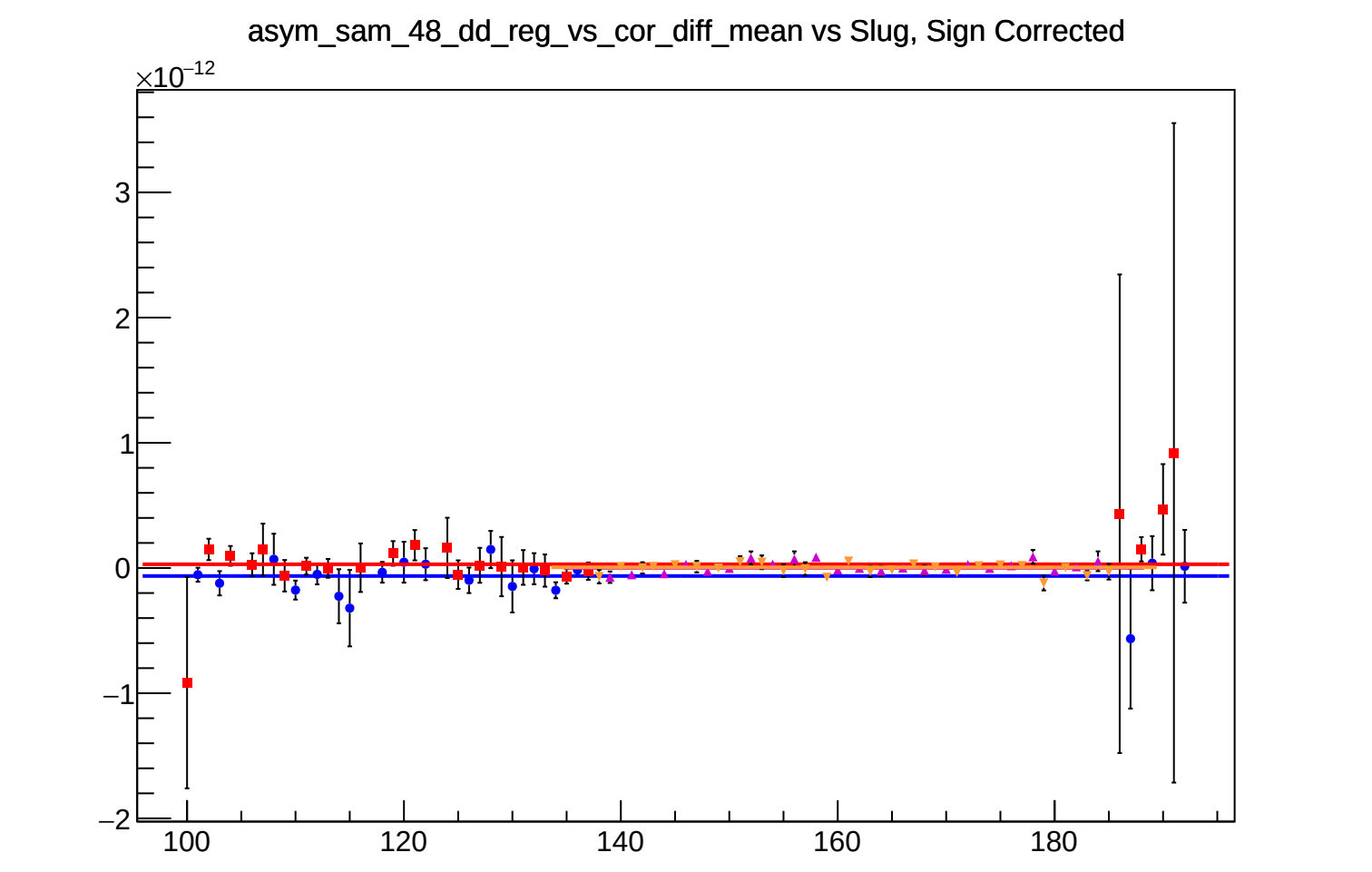
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1210.439+/-0.211 χ^2/NDF: 3506409.5/41

In: 989.641+/-0.138 χ^2/NDF:2825619.8/41

Out: 983.160+/-0.134 χ^2/NDF:3632076.0/47

All: 986.308+/-0.096 χ^2/NDF: 6458826.3/89



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/22

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

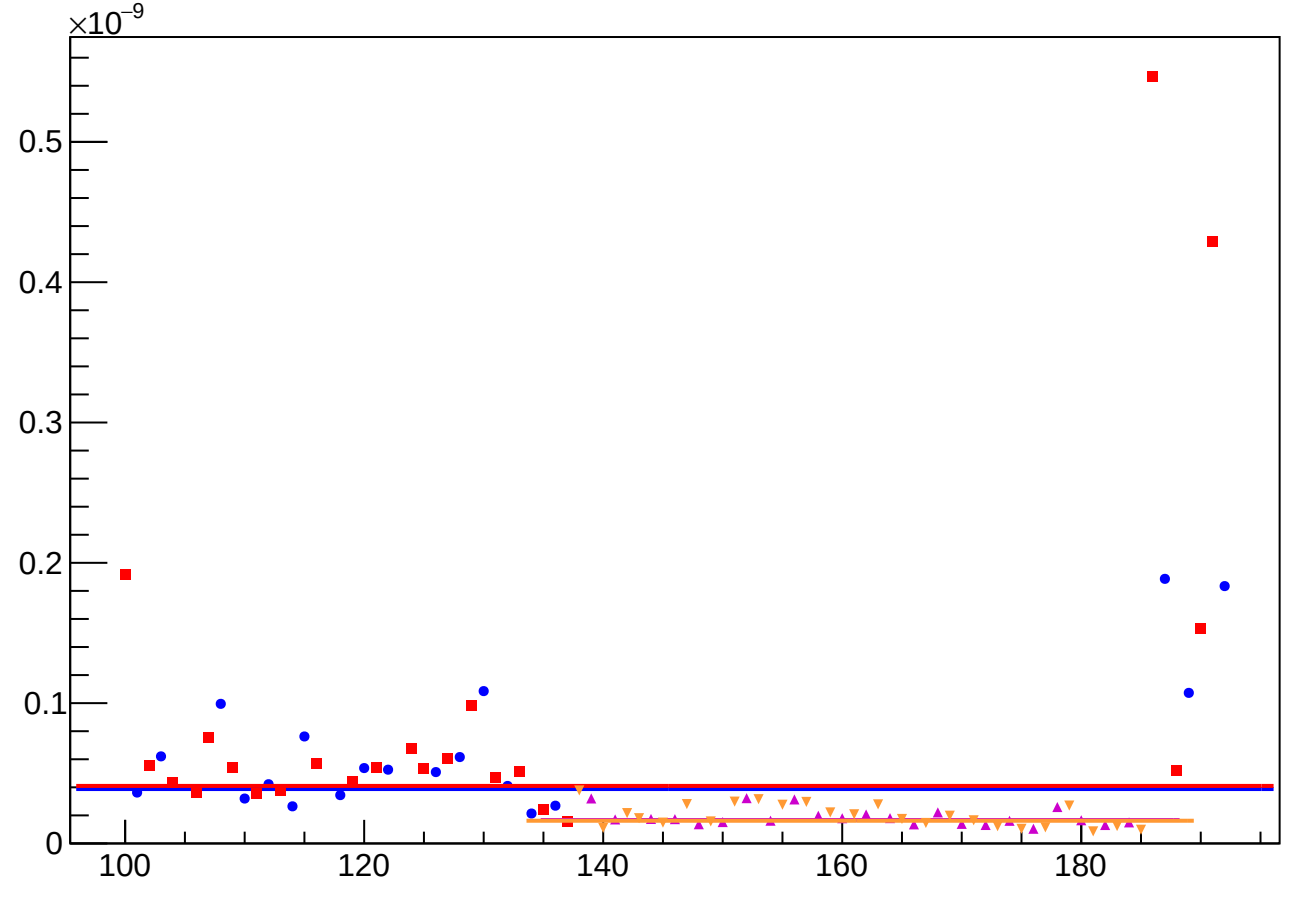
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 37.4/41

In: -0.000+/-0.000 χ^2/NDF:49.5/41

Out: 0.000+/-0.000 χ^2/NDF:41.3/47

All: 0.000+/-0.000 χ^2/NDF: 92.5/89



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: 1311225.1/22

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

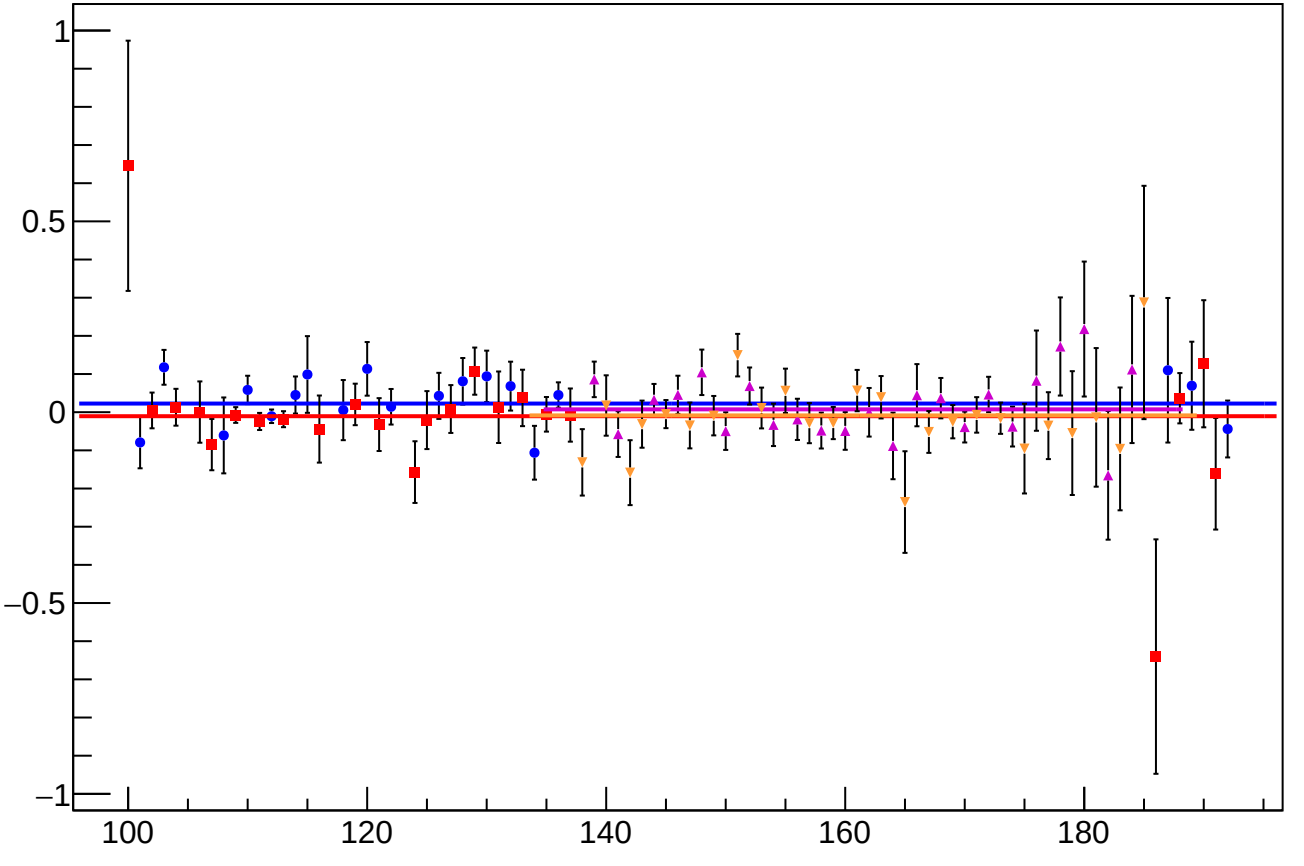
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 3170513.8/41

In: 0.000+/-0.000 χ^2/NDF:4675820.3/41

Out: 0.000+/-0.000 χ^2/NDF:5582697.8/47

All: 0.000+/-0.000 χ^2/NDF: 10267324.2/89



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: -0.011+/-0.010 χ^2/NDF: 20.7/22

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

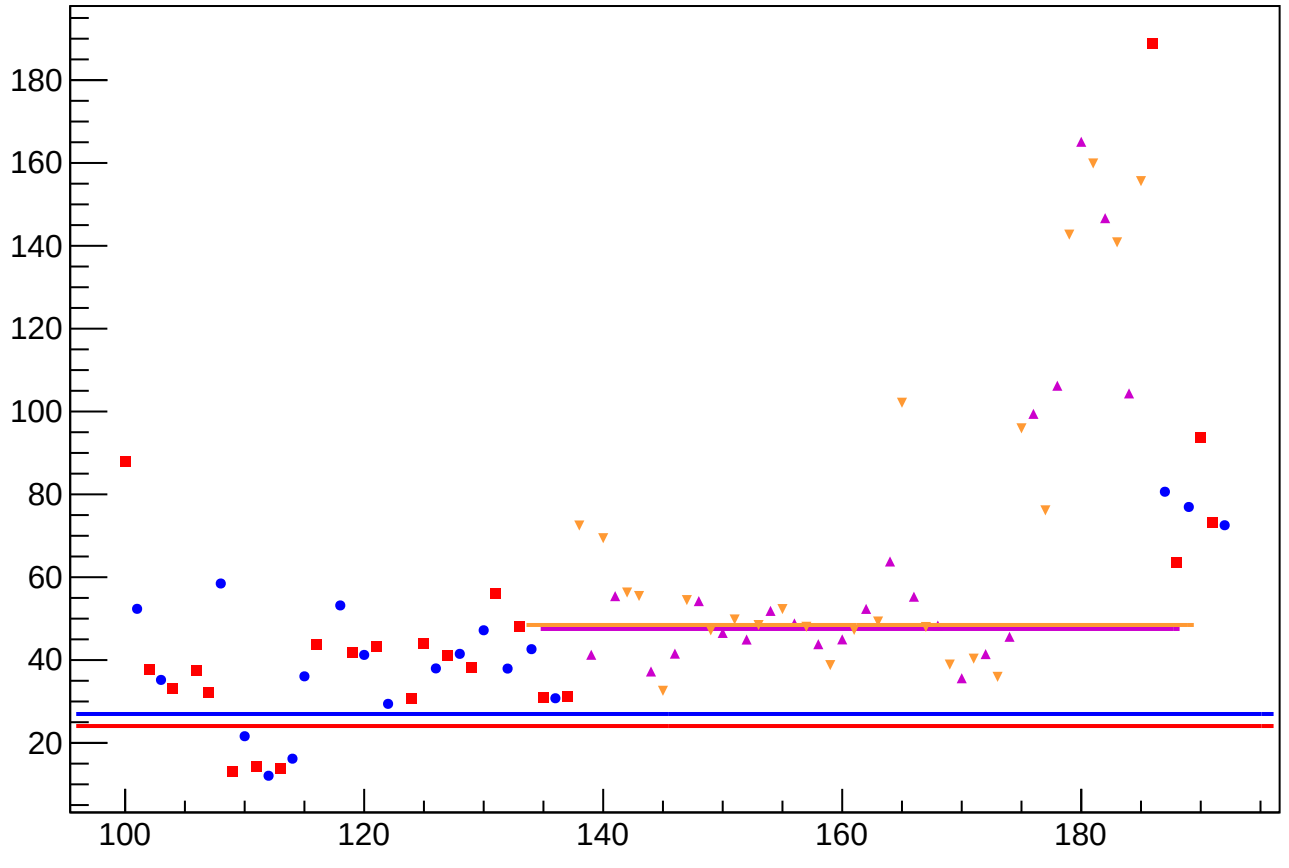
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.004+/-0.007 χ^2/NDF: 47.8/41

In: 0.016+/-0.008 χ^2/NDF:46.0/41

Out: -0.010+/-0.008 χ^2/NDF:43.9/47

All: 0.002+/-0.006 χ^2/NDF: 95.3/89



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: 24.077+/-0.007 χ^2/NDF: 5058621.6/22

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

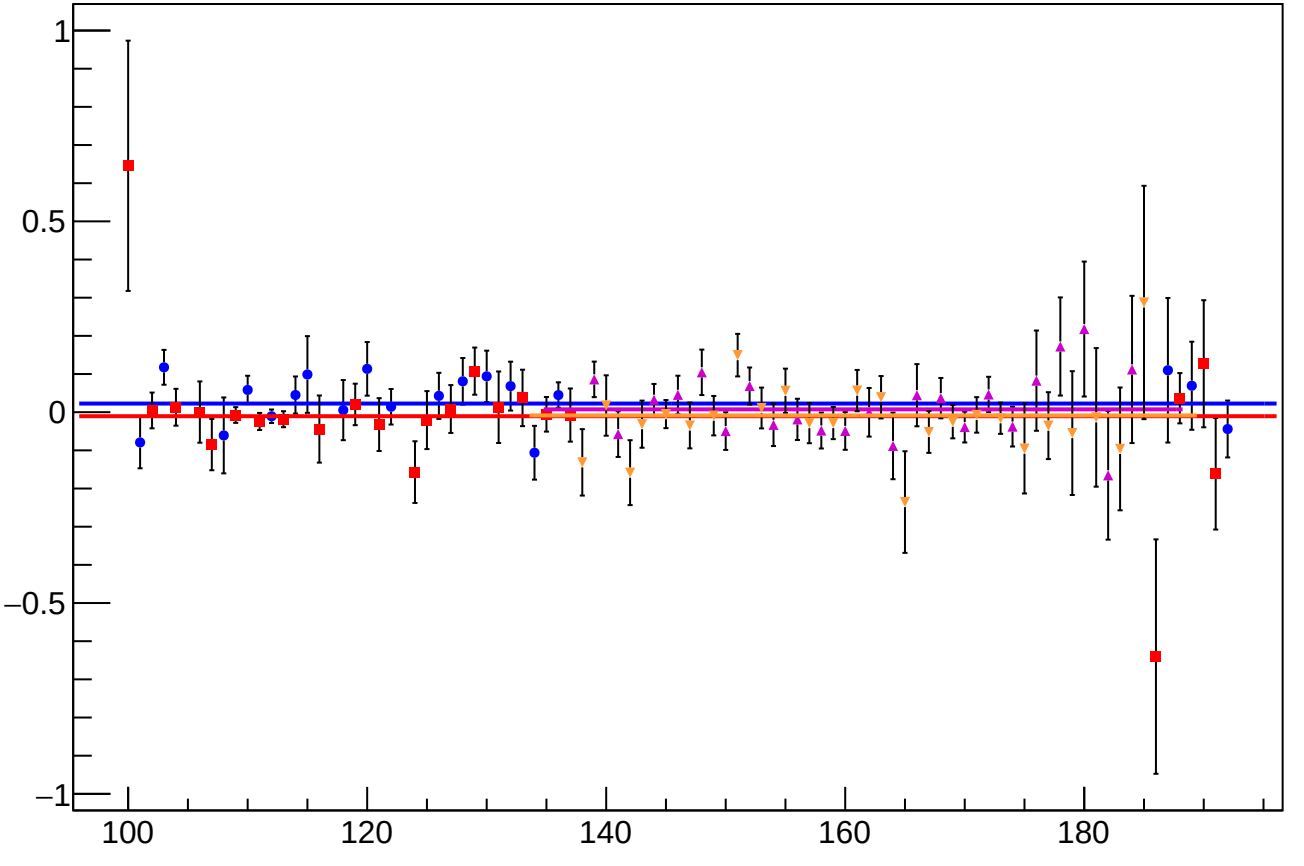
Right: 25.357+/-0.005 χ^2/NDF: 9392126.2/41

In: 36.216+/-0.006 χ^2/NDF:10529247.1/41

Out: 33.653+/-0.005 χ^2/NDF:14446896.4/47

All: 34.845+/-0.004 χ^2/NDF: 25084065.2/89

asym_sam_48_dd_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: -0.011+/-0.010 χ^2/NDF: 20.7/22

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

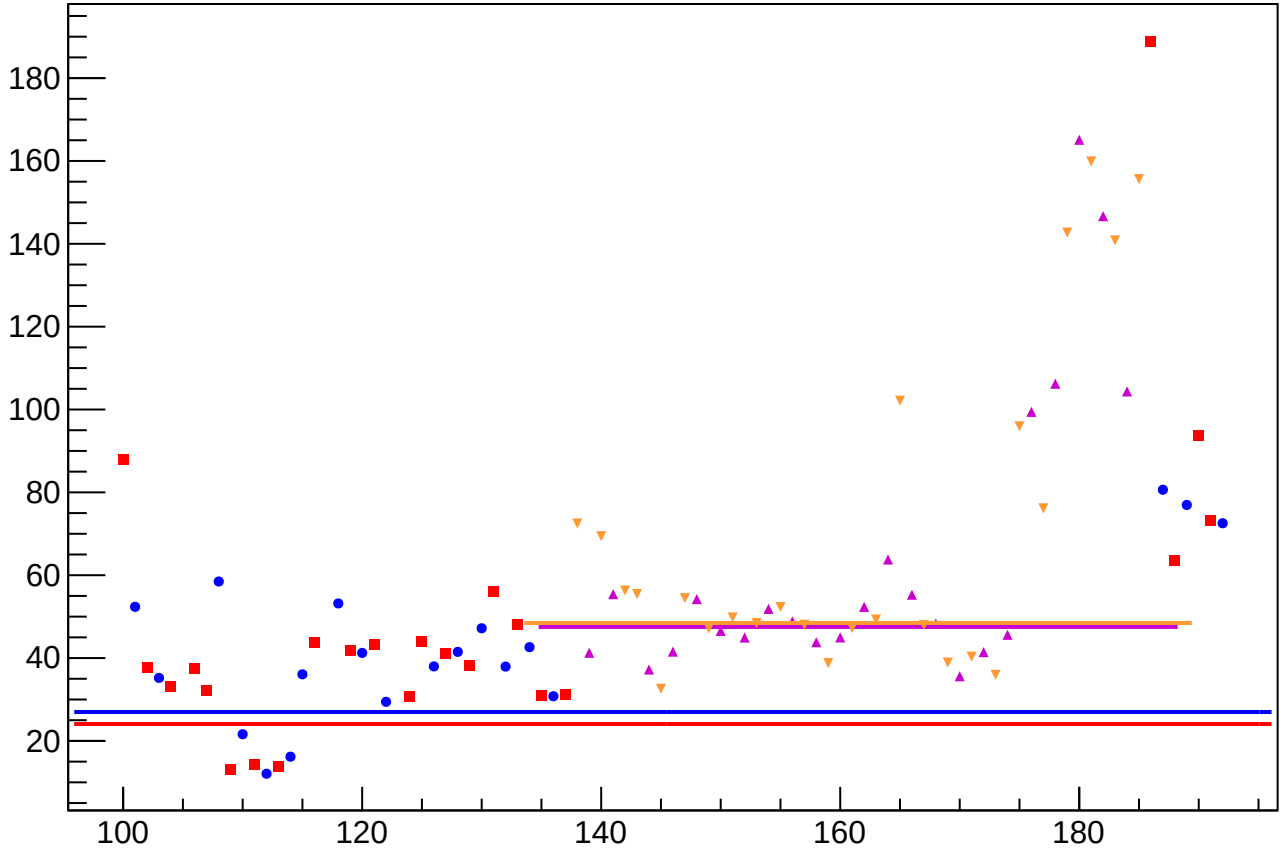
Right: 0.004+/-0.007 χ^2/NDF: 47.8/41

In: 0.016+/-0.008 χ^2/NDF:46.0/41

Out: -0.010+/-0.008 χ^2/NDF:43.9/47

All: 0.002+/-0.006 χ^2/NDF: 95.3/89

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: 24.077+/-0.007 χ^2/NDF: 5058621.6/22

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

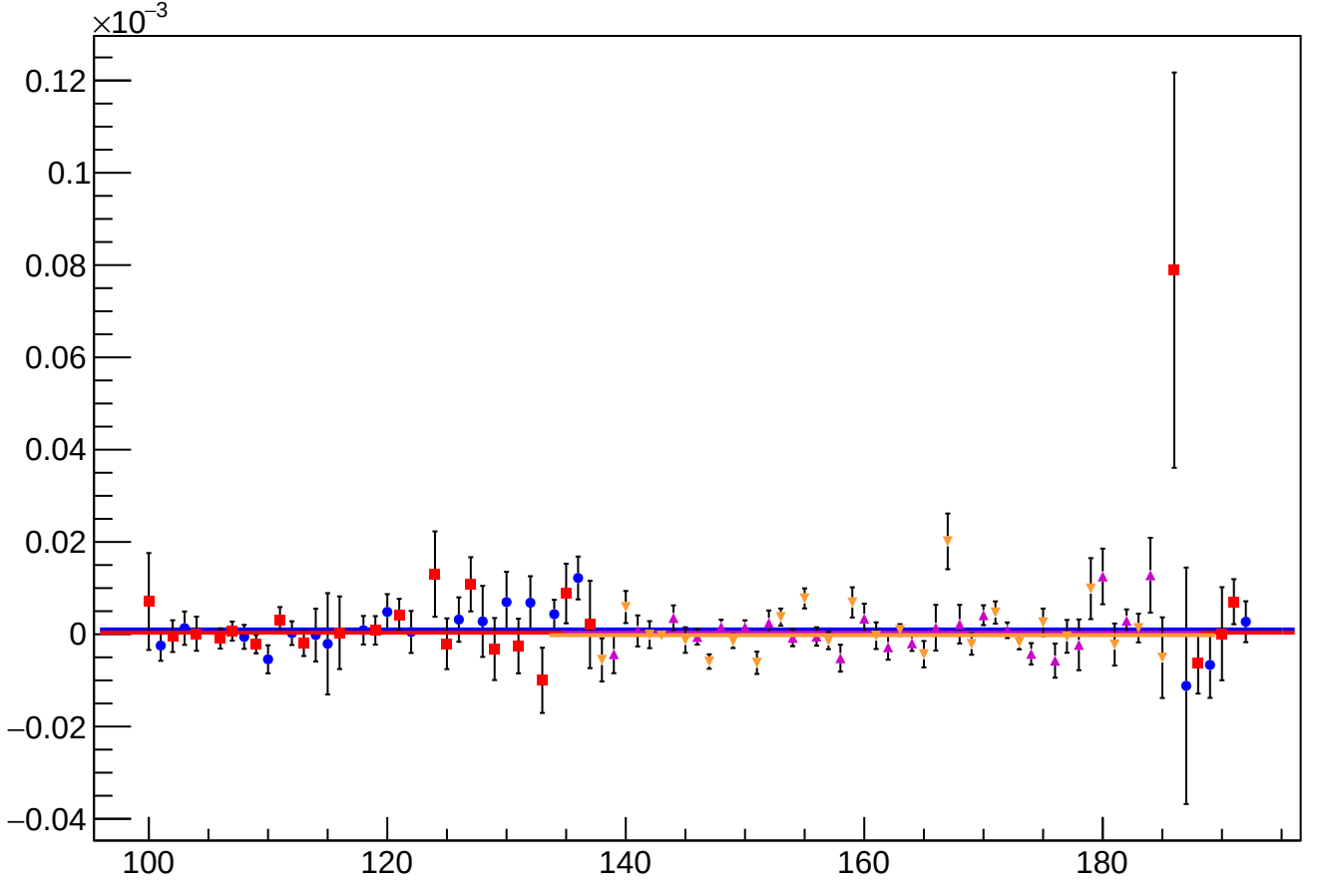
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 25.357+/-0.005 χ^2/NDF: 9392126.2/41

In: 36.216+/-0.006 χ^2/NDF:10529247.1/41

Out: 33.653+/-0.005 χ^2/NDF:14446896.4/47

All: 34.845+/-0.004 χ^2/NDF: 25084065.2/89



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: 21.4/22

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

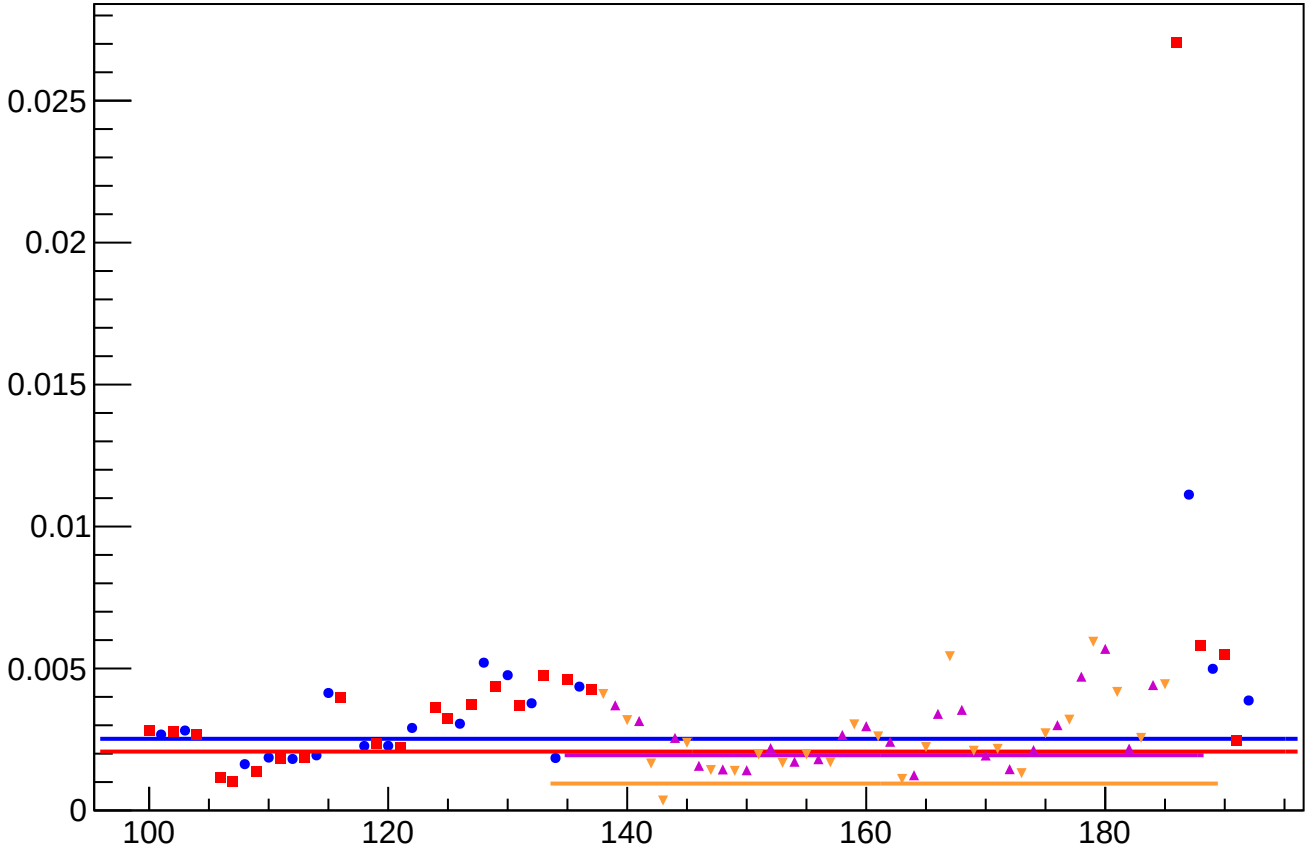
Right: 0.000+/-0.000 χ^2/NDF: 39.4/41

In: 0.000+/-0.000 χ^2/NDF:49.2/41

Out: -0.000+/-0.000 χ^2/NDF:93.5/47

All: 0.000+/-0.000 χ^2/NDF: 143.8/89

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 4353782.5/22

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

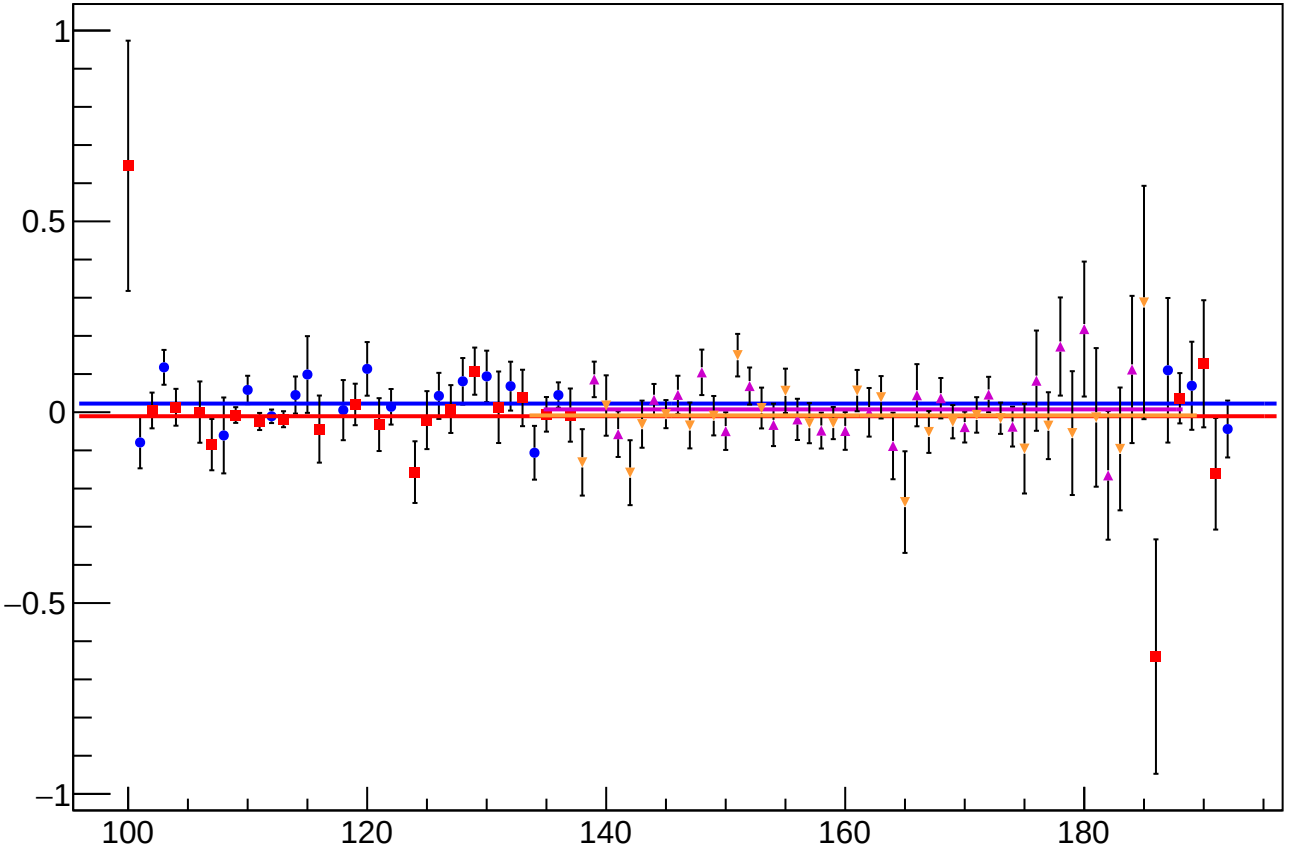
Right: 0.002+/-0.000 χ^2/NDF: 6877720.2/41

In: 0.002+/-0.000 χ^2/NDF:7219029.0/41

Out: 0.001+/-0.000 χ^2/NDF:25489205.5/47

All: 0.001+/-0.000 χ^2/NDF: 39891863.6/89

asym_sam_48_dd_eigen_dit_vs_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: -0.011+/-0.010 χ^2/NDF: 20.7/22

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

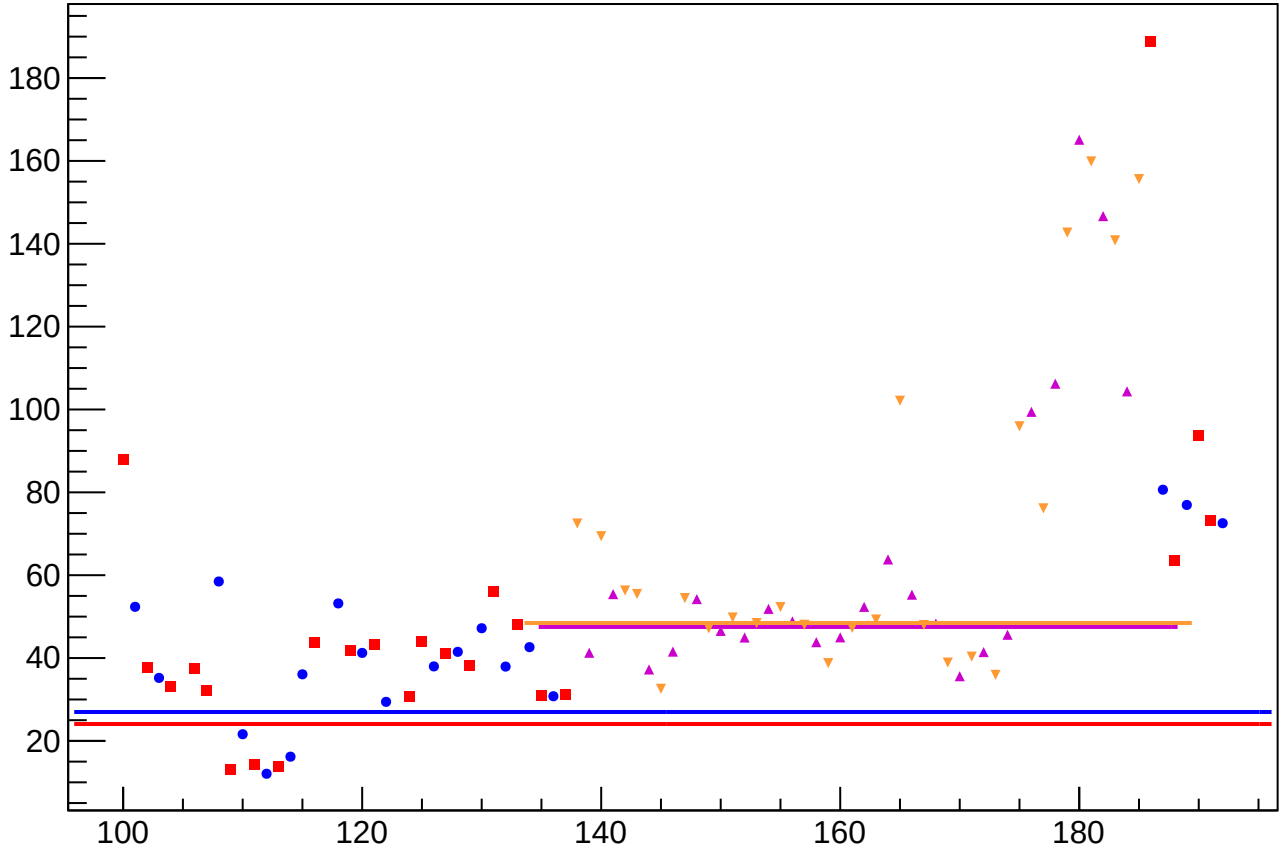
Right: 0.004+/-0.007 χ^2/NDF: 47.8/41

In: 0.016+/-0.008 χ^2/NDF:46.0/41

Out: -0.010+/-0.008 χ^2/NDF:43.9/47

All: 0.002+/-0.006 χ^2/NDF: 95.3/89

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: 24.076+/-0.007 χ^2/NDF: 5058790.9/22

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

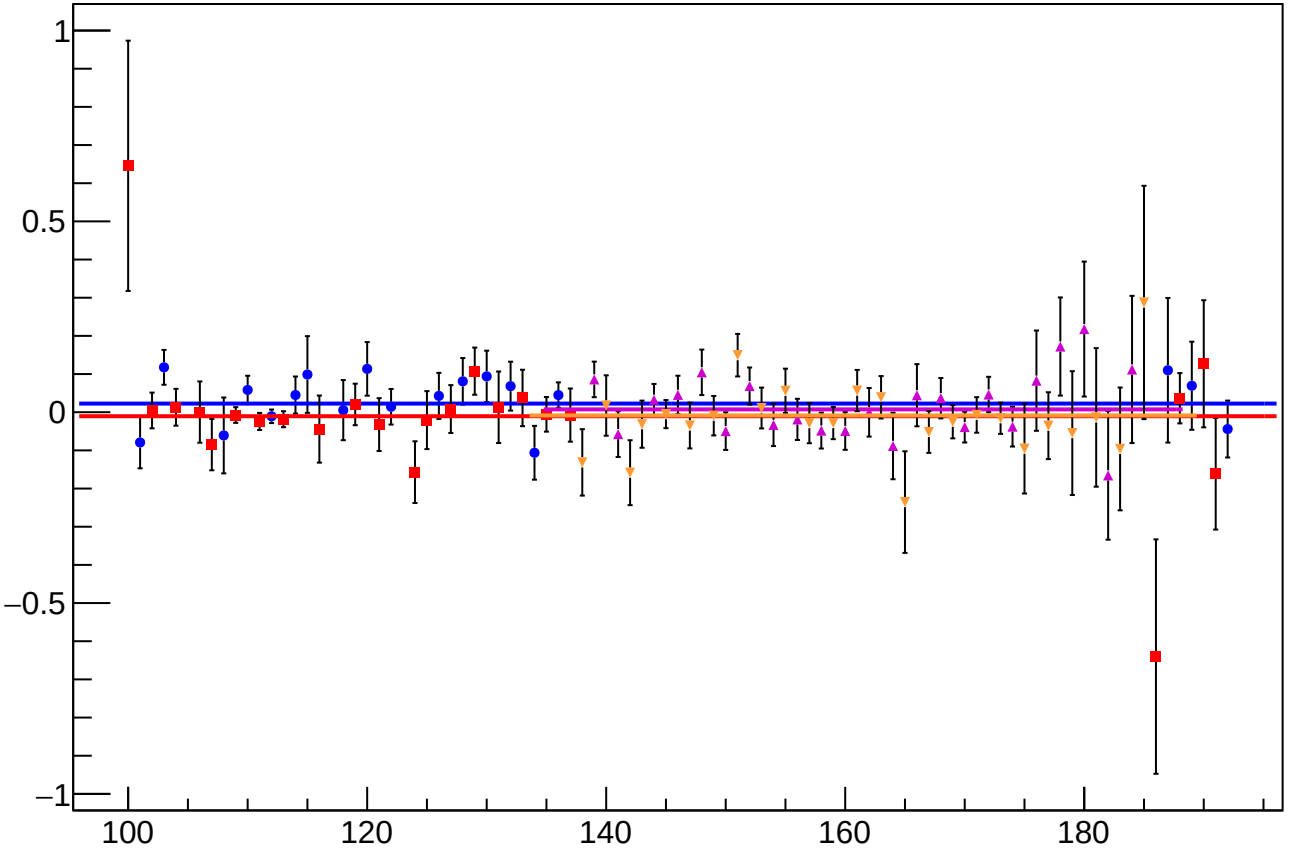
Right: 25.356+/-0.005 χ^2/NDF: 9392715.6/41

In: 36.215+/-0.006 χ^2/NDF:10530252.7/41

Out: 33.653+/-0.005 χ^2/NDF:14447272.9/47

All: 34.844+/-0.004 χ^2/NDF: 25085386.8/89

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: -0.011+/-0.010 χ^2/NDF: 20.7/22

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

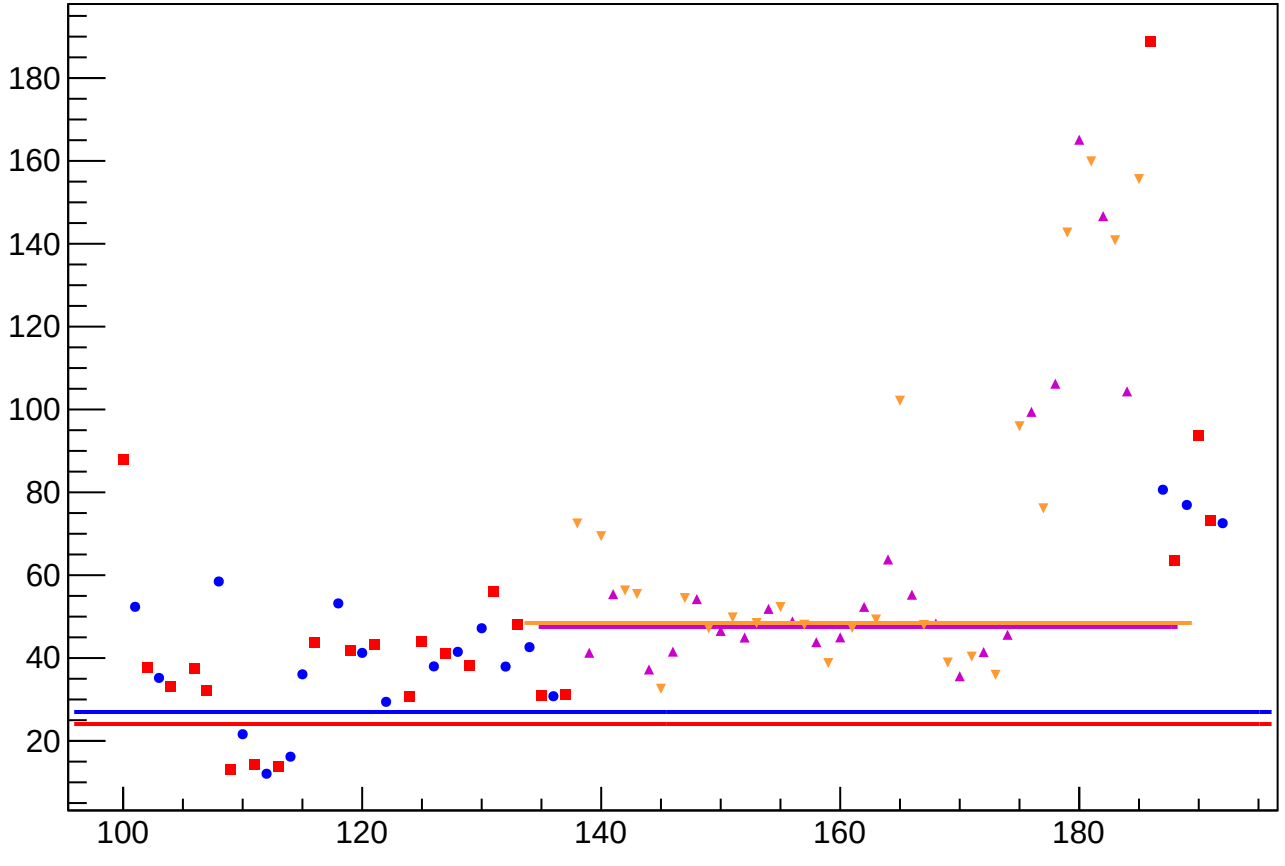
Right: 0.004+/-0.007 χ^2/NDF: 47.8/41

In: 0.016+/-0.008 χ^2/NDF:46.0/41

Out: -0.010+/-0.008 χ^2/NDF:43.9/47

All: 0.002+/-0.006 χ^2/NDF: 95.3/89

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: 24.076+/-0.007 χ^2/NDF: 5058790.9/22

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

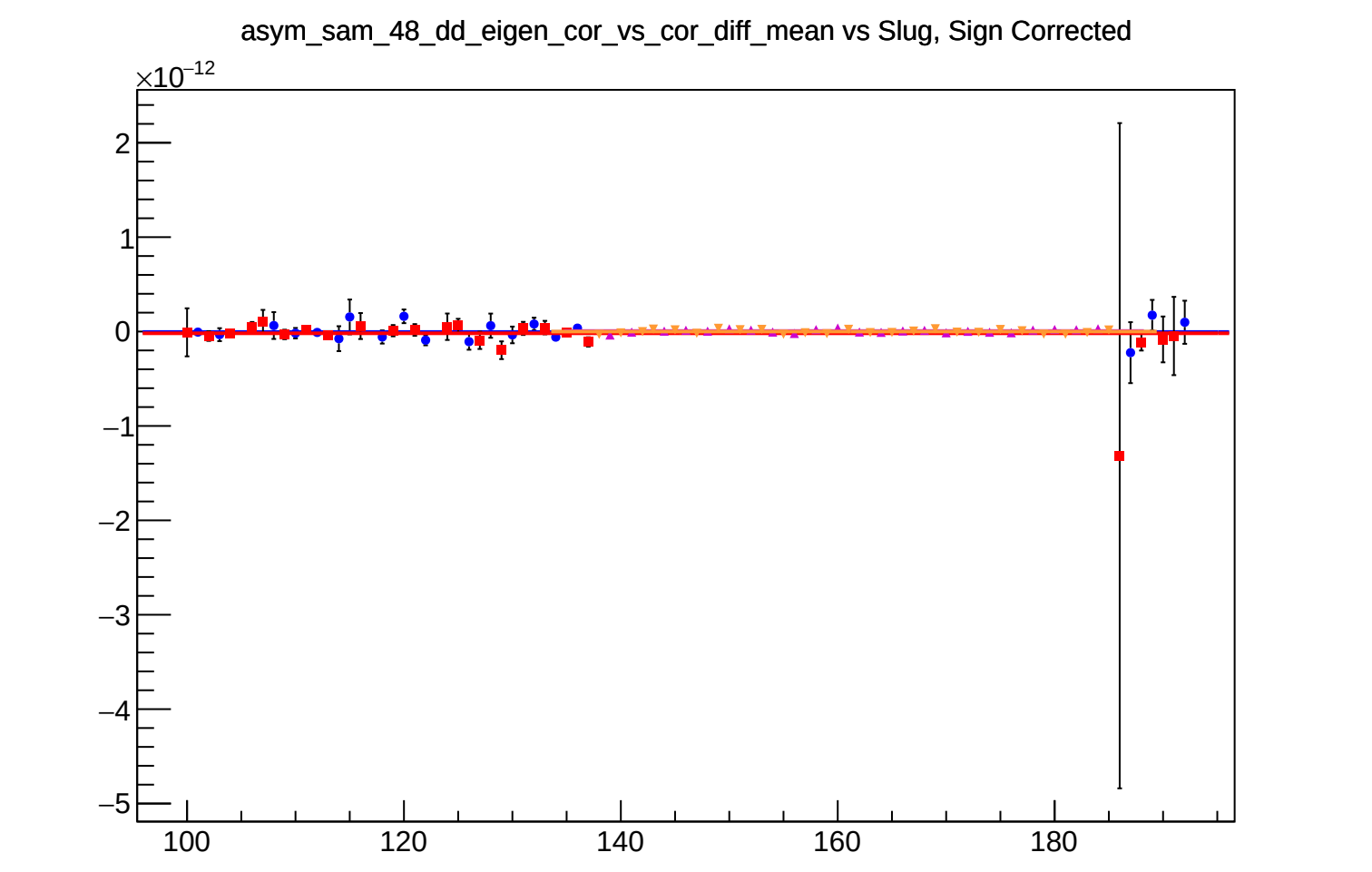
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 25.356+/-0.005 χ^2/NDF: 9392715.6/41

In: 36.215+/-0.006 χ^2/NDF:10530252.7/41

Out: 33.653+/-0.005 χ^2/NDF:14447272.9/47

All: 34.844+/-0.004 χ^2/NDF: 25085386.8/89



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/22

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

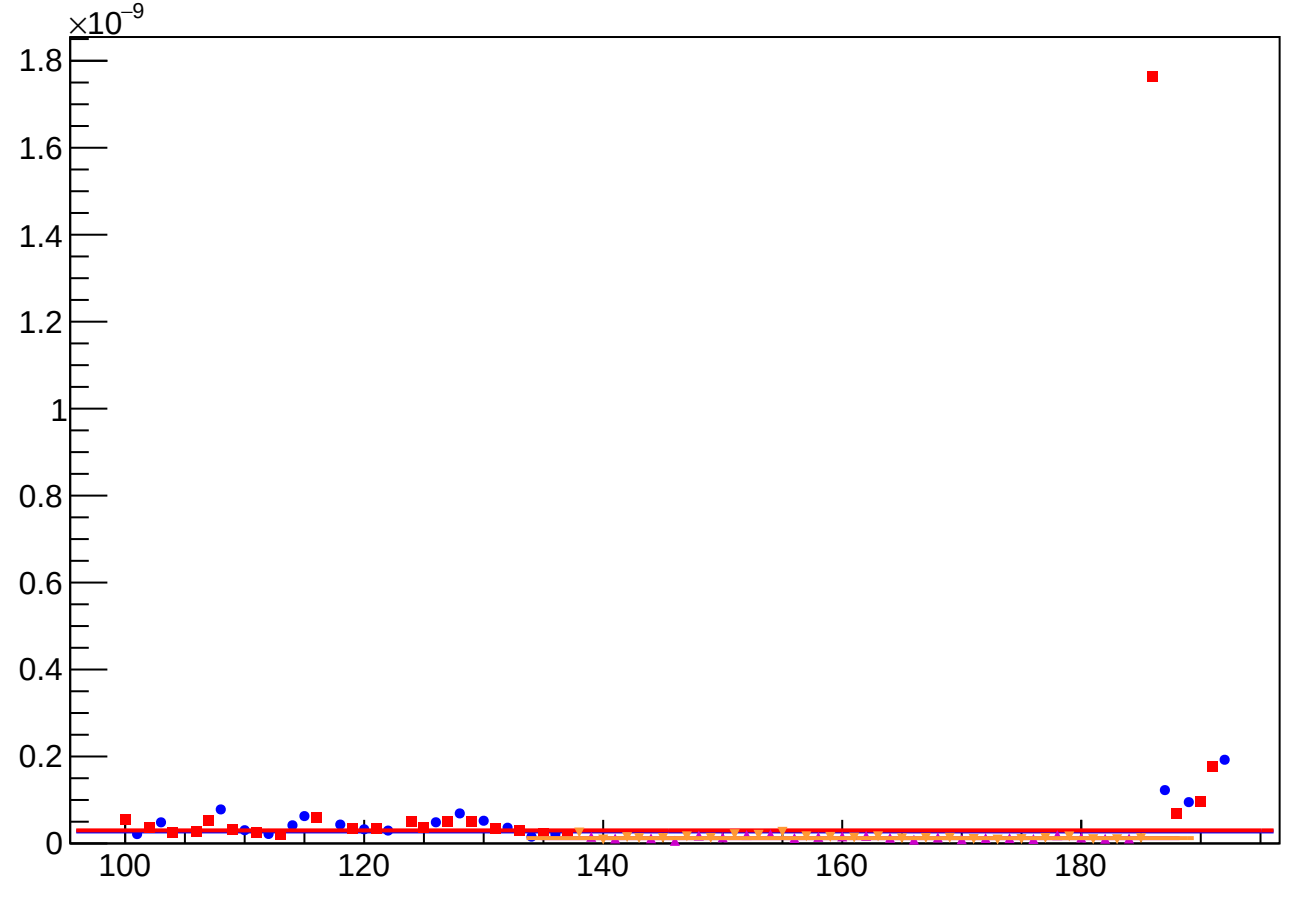
Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

Right: -0.000+/-0.000 χ^2/NDF: 37.6/41

In: 0.000+/-0.000 χ^2/NDF:40.4/41

Out: -0.000+/-0.000 χ^2/NDF:49.6/47

All: 0.000+/-0.000 χ^2/NDF: 91.5/89



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: 2192341.6/22

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

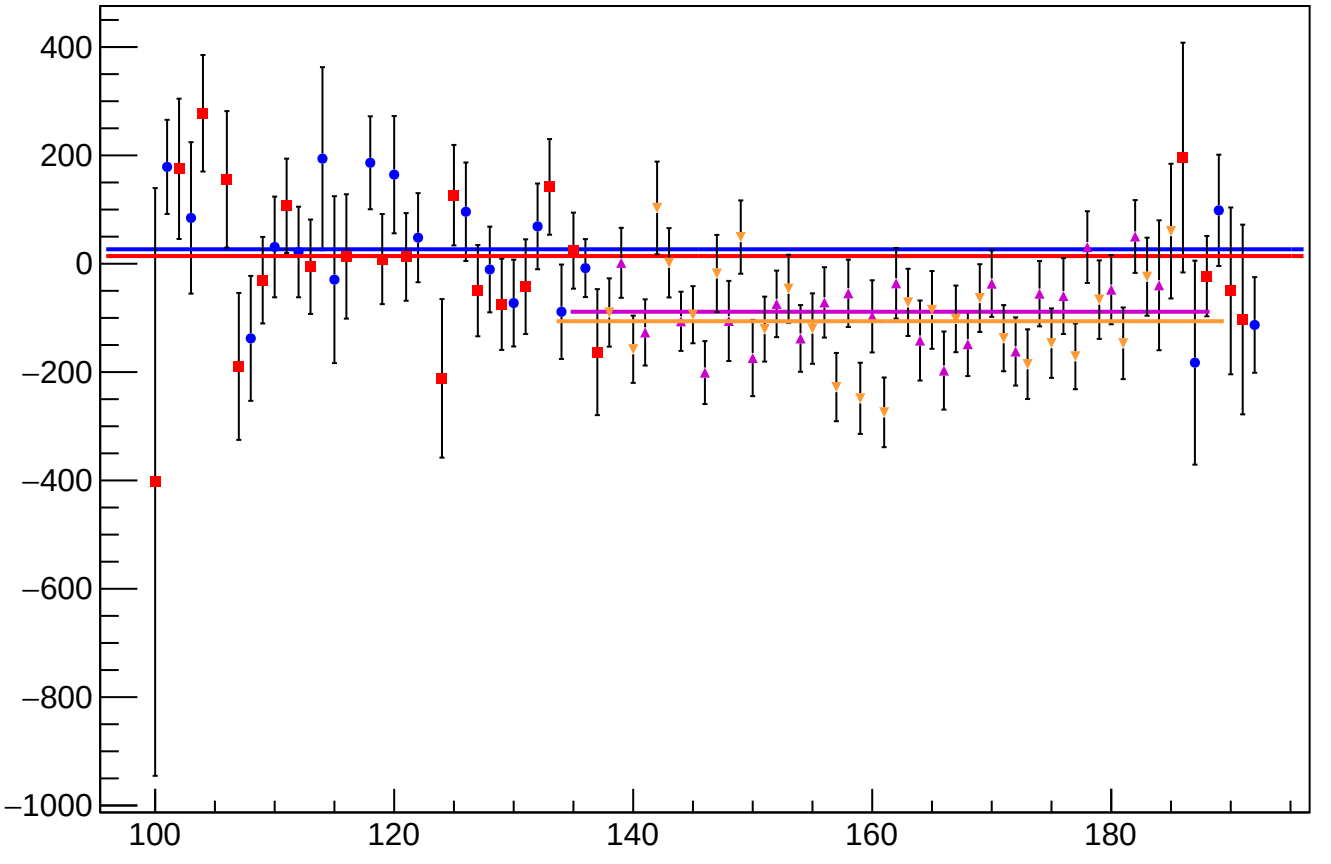
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 5501121.4/41

In: 0.000+/-0.000 χ^2/NDF:7941969.9/41

Out: 0.000+/-0.000 χ^2/NDF:7537911.8/47

All: 0.000+/-0.000 χ^2/NDF: 15480283.3/89



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: 14.170+/-20.764 χ^2/NDF: 25.2/22

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

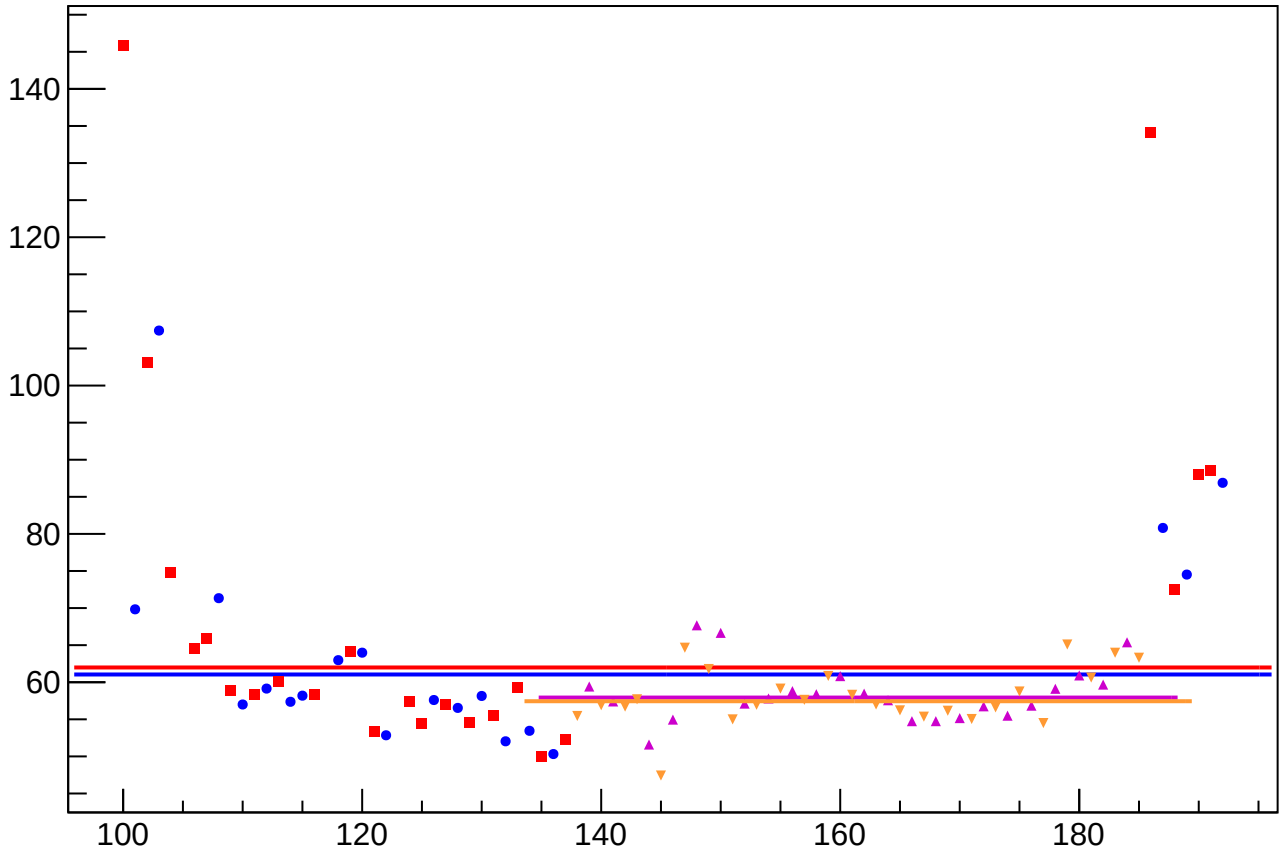
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: 20.389+/-14.725 χ^2/NDF: 45.9/41

In: -54.407+/-11.377 χ^2/NDF:65.9/41

Out: -71.897+/-11.073 χ^2/NDF:89.8/47

All: -63.389+/-7.935 χ^2/NDF: 157.0/89



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: 61.990+/-0.015 χ^2/NDF: 810969.6/22

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

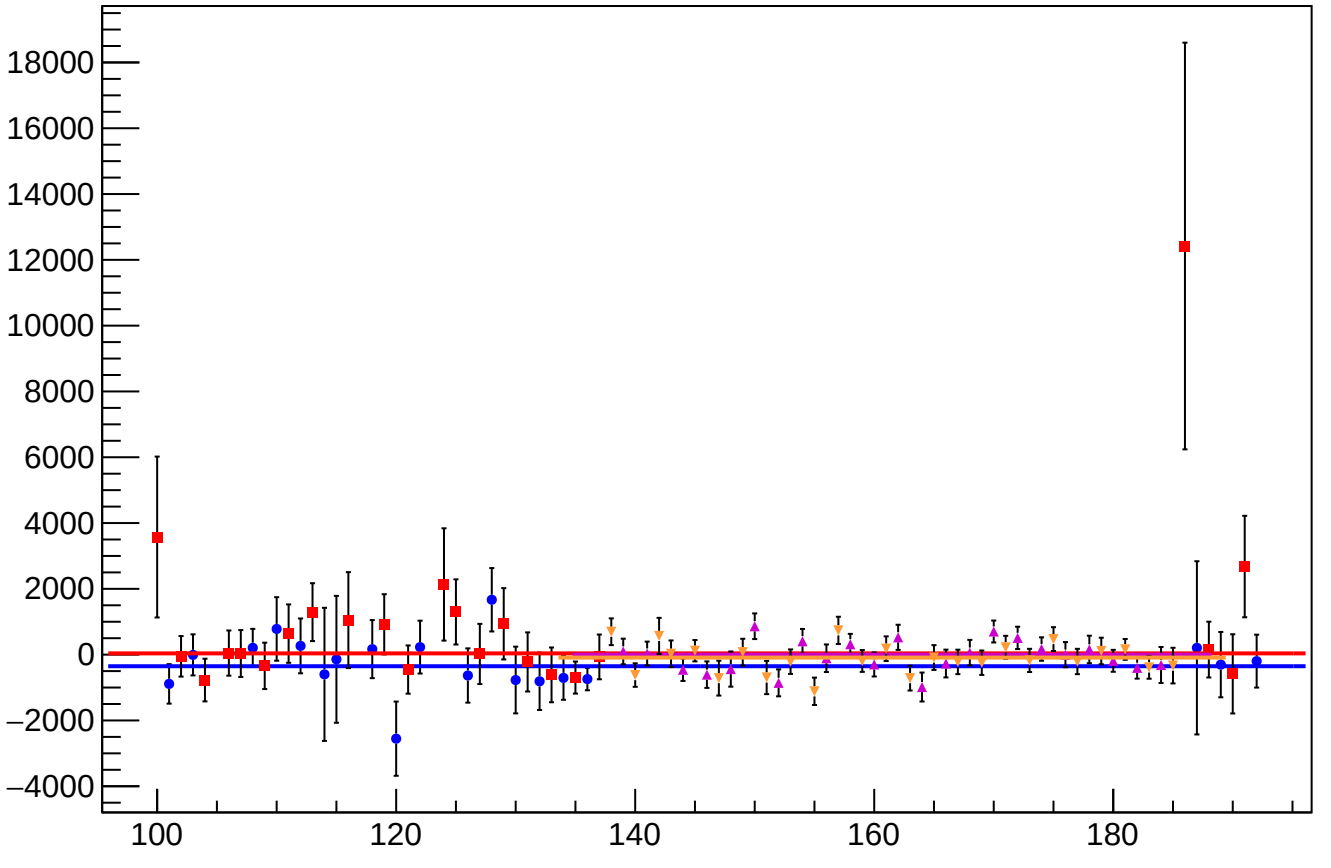
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 61.521+/-0.010 χ^2/NDF: 1459635.3/41

In: 58.856+/-0.008 χ^2/NDF:813750.3/41

Out: 58.734+/-0.008 χ^2/NDF:1054256.0/47

All: 58.794+/-0.006 χ^2/NDF: 1868124.7/89



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: 38.492+/-175.790 χ^2/NDF: 22.4/22

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

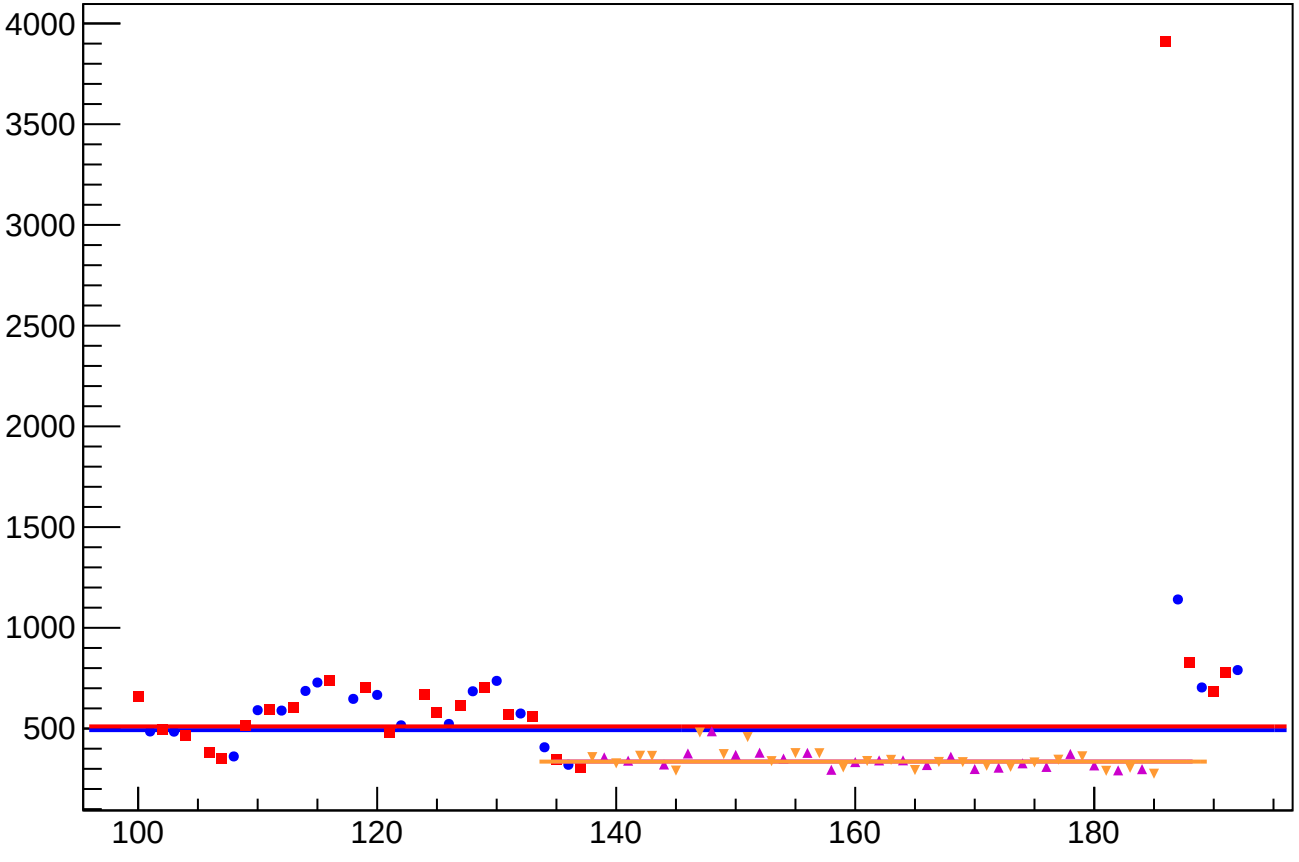
Right: -159.742+/-123.349 χ^2/NDF: 40.2/41

In: -63.430+/-72.016 χ^2/NDF:52.3/41

Out: -68.521+/-70.539 χ^2/NDF:52.7/47

All: -66.028+/-50.393 χ^2/NDF: 105.0/89

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: 510.624+/-0.124 χ^2/NDF: 1902594.4/22

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

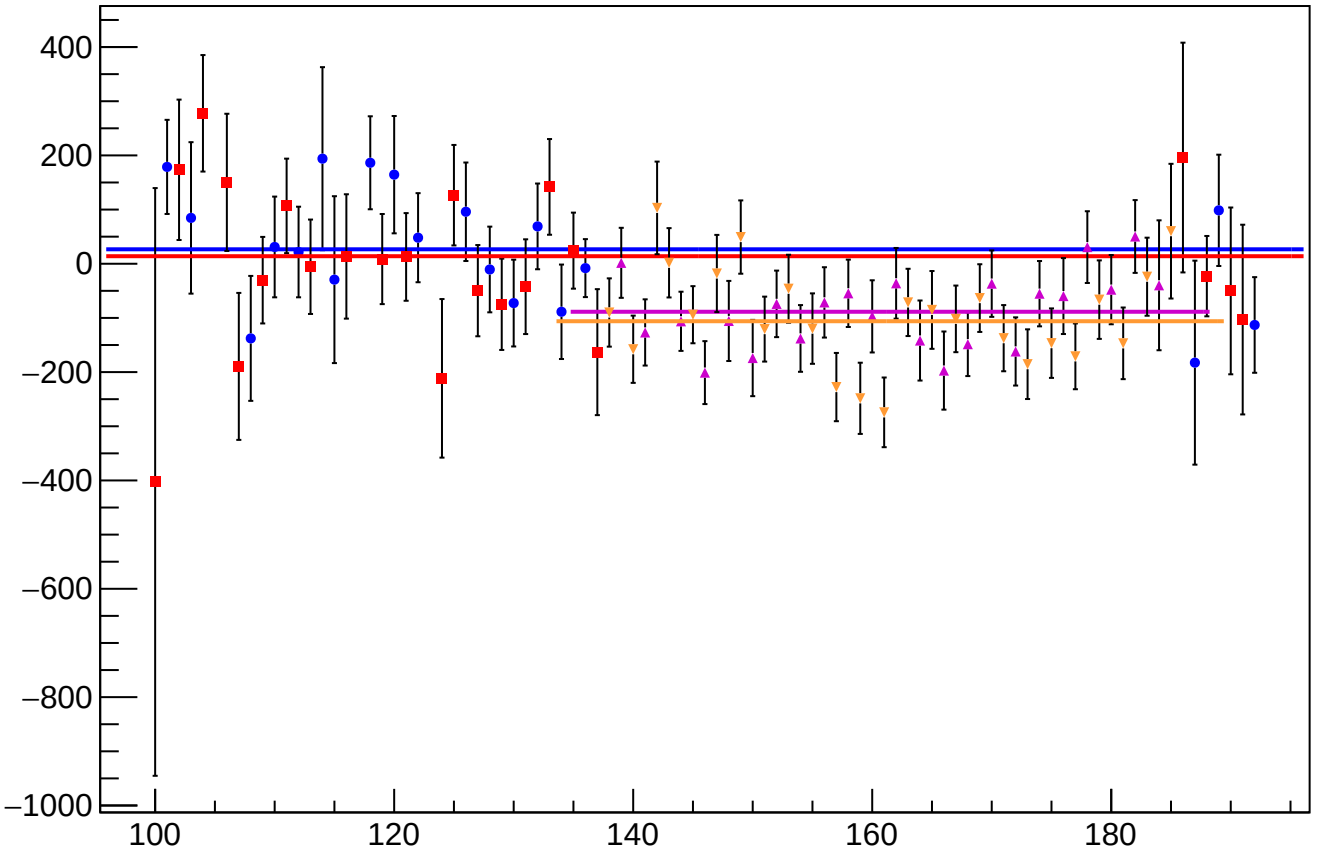
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 501.256+/-0.087 χ^2/NDF: 3470133.5/41

In: 363.307+/-0.051 χ^2/NDF:3310493.8/41

Out: 364.029+/-0.050 χ^2/NDF:4094228.4/47

All: 363.676+/-0.036 χ^2/NDF: 7404824.7/89



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: 13.926+/-20.767 χ^2/NDF: 25.0/22

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

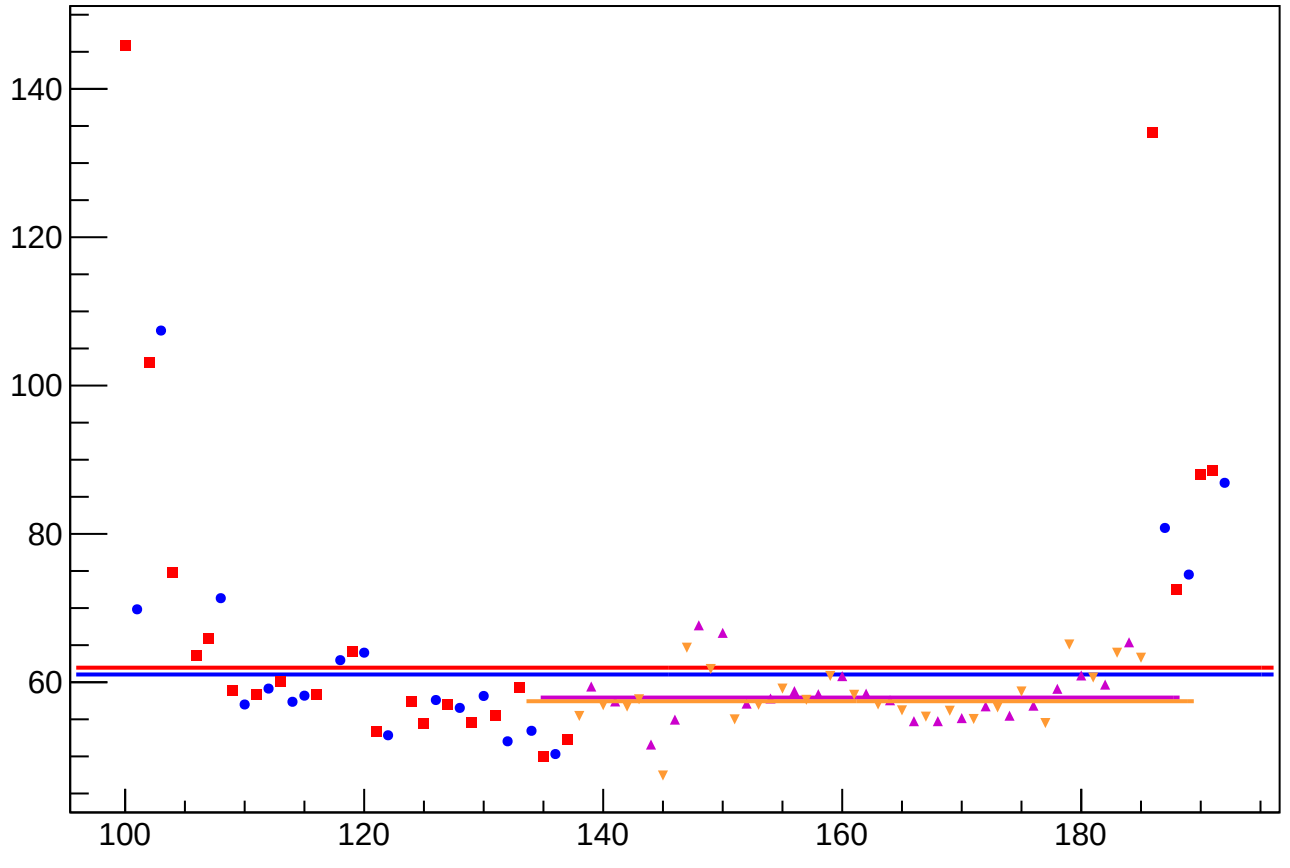
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 20.266+/-14.726 χ^2/NDF: 45.8/41

In: -54.409+/-11.377 χ^2/NDF:65.9/41

Out: -71.975+/-11.073 χ^2/NDF:89.6/47

All: -63.430+/-7.935 χ^2/NDF: 156.7/89



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: 61.963+/-0.015 χ^2/NDF: 810663.1/22

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

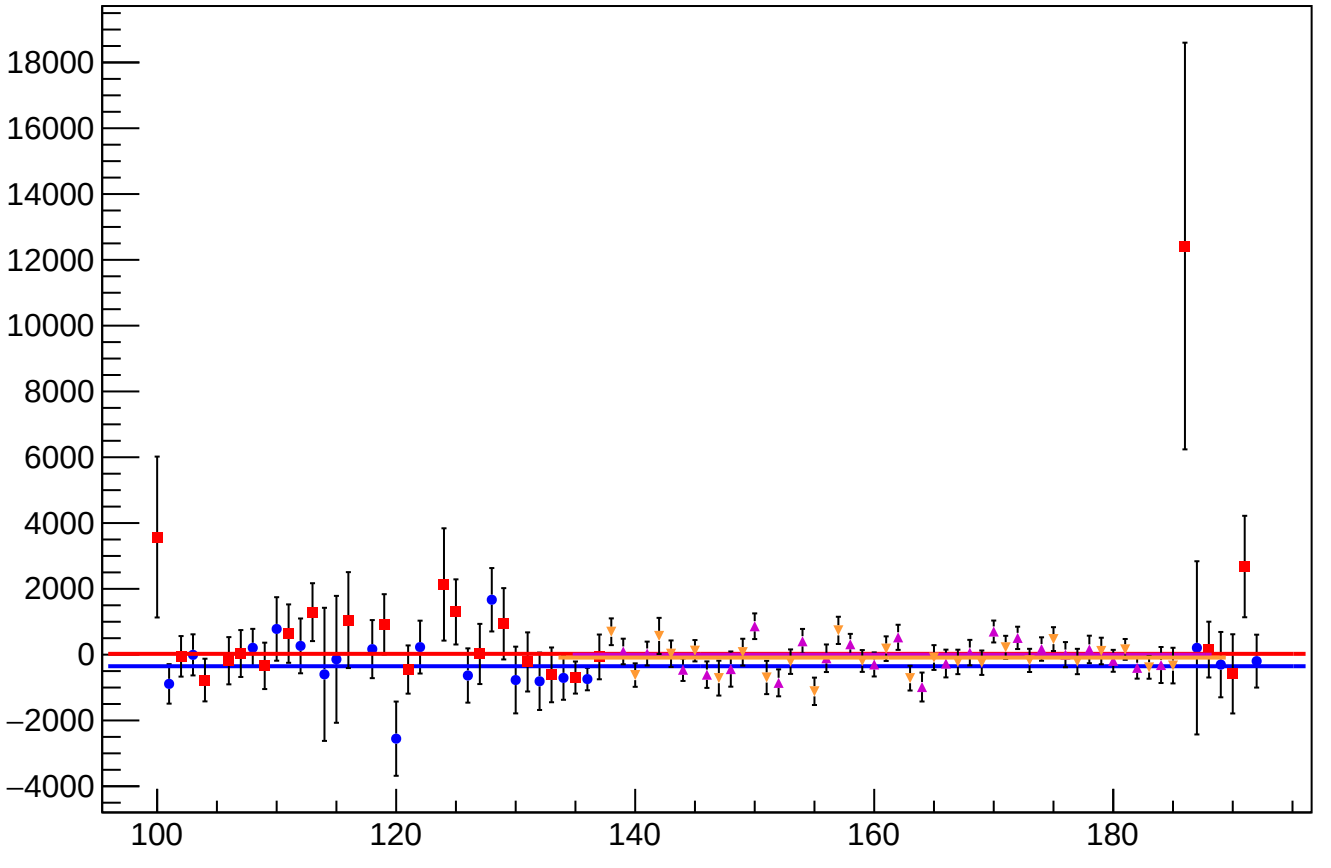
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 61.507+/-0.010 χ^2/NDF: 1459213.9/41

In: 58.856+/-0.008 χ^2/NDF:813752.4/41

Out: 58.726+/-0.008 χ^2/NDF:1053116.3/47

All: 58.789+/-0.006 χ^2/NDF: 1867003.0/89



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: 24.417+/-176.290 χ^2/NDF: 22.4/22

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

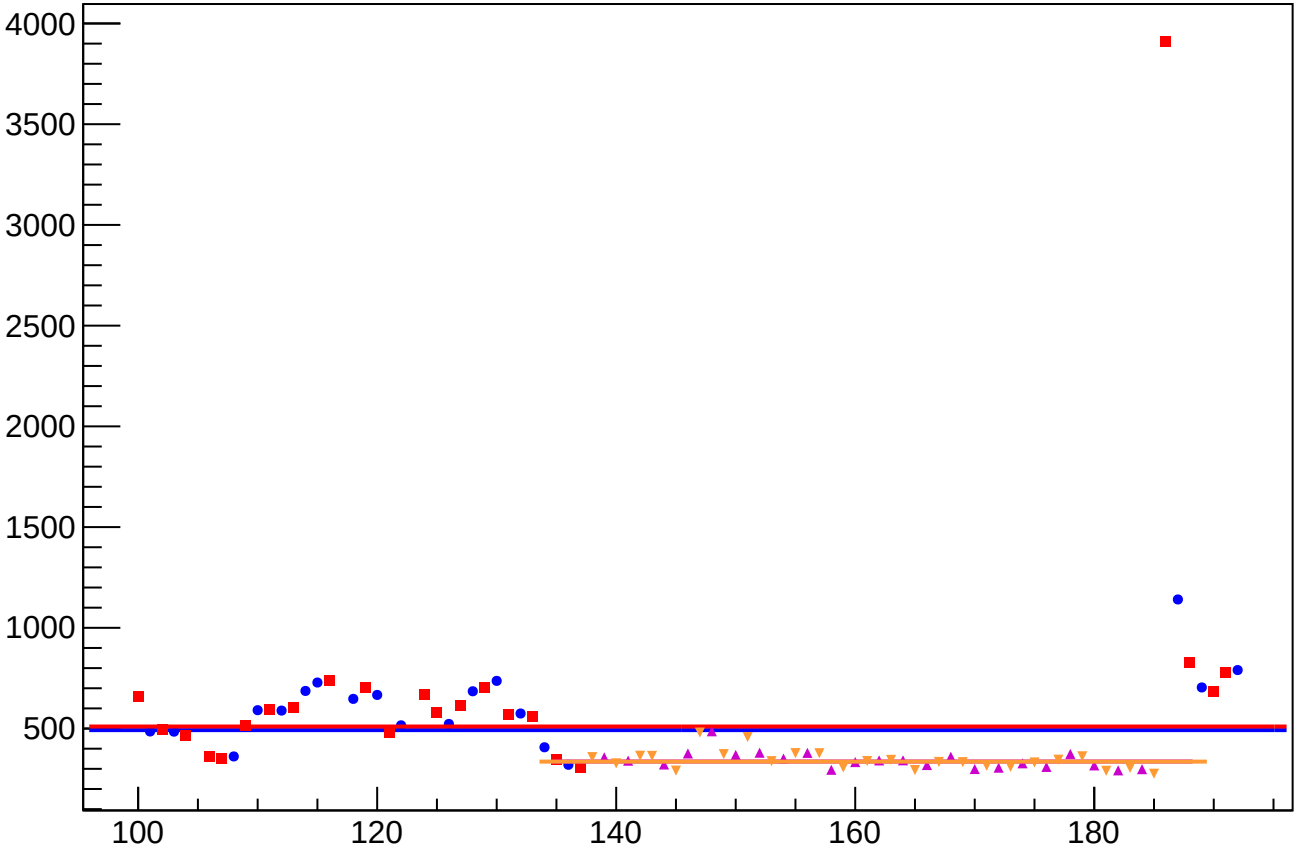
Right: -167.188+/-123.522 χ^2/NDF: 40.1/41

In: -63.425+/-72.016 χ^2/NDF:52.3/41

Out: -70.876+/-70.571 χ^2/NDF:52.7/47

All: -67.226+/-50.405 χ^2/NDF: 105.0/89

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: 510.118+/-0.125 χ^2/NDF: 1919213.8/22

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

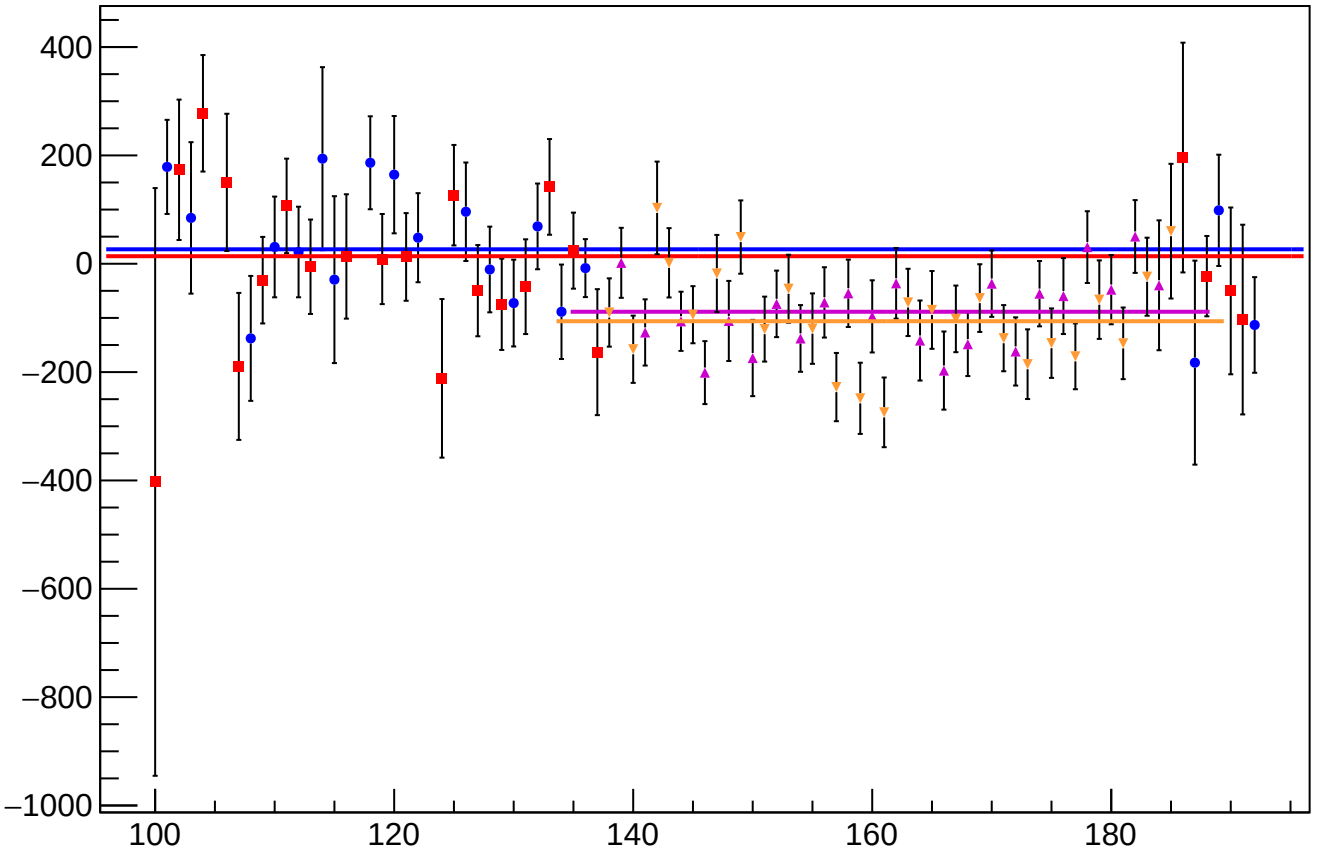
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 500.983+/-0.087 χ^2/NDF: 3486108.4/41

In: 363.308+/-0.051 χ^2/NDF:3310527.5/41

Out: 363.814+/-0.050 χ^2/NDF:4093413.7/47

All: 363.566+/-0.036 χ^2/NDF: 7403991.6/89



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: 13.926+/-20.767 χ^2/NDF: 25.0/22

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

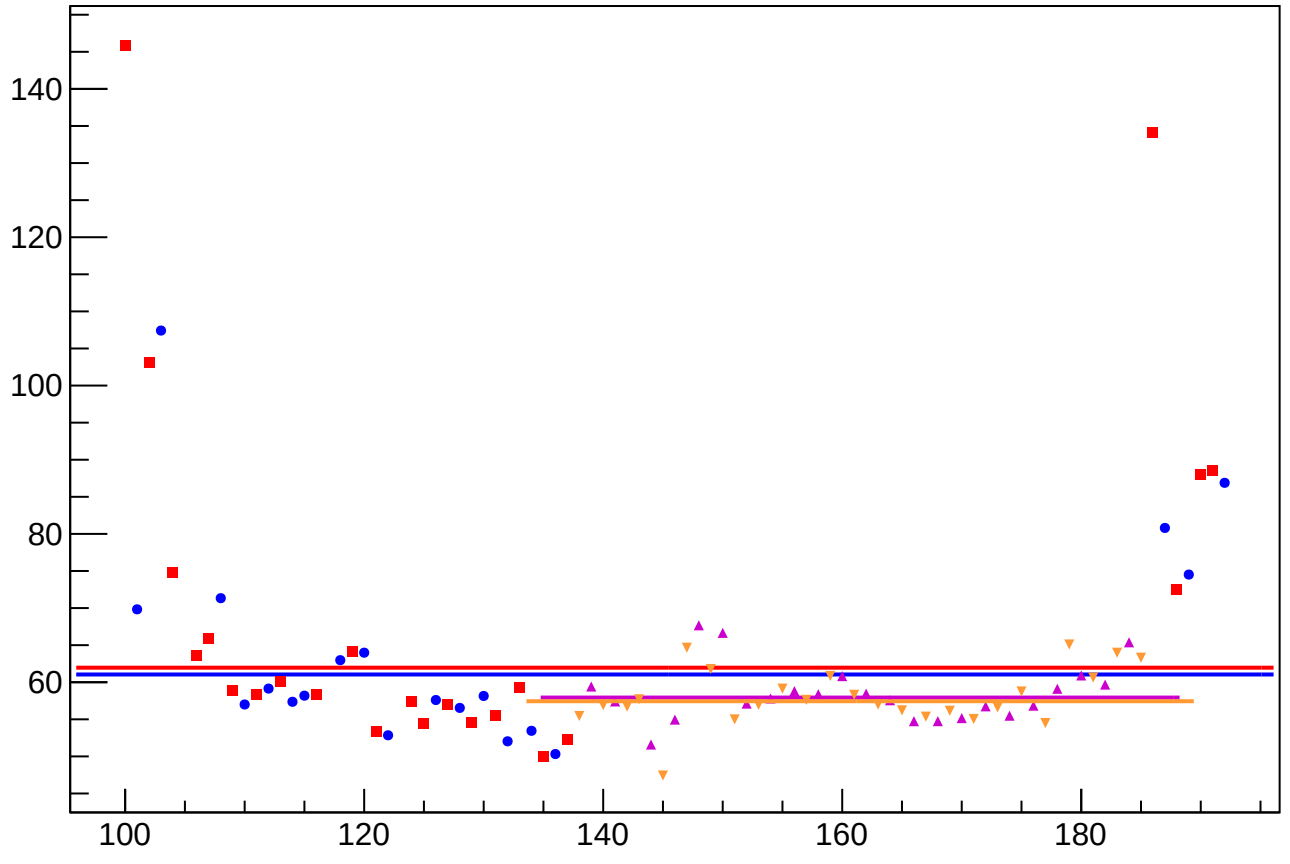
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 20.266+/-14.726 χ^2/NDF: 45.8/41

In: -54.409+/-11.377 χ^2/NDF:65.9/41

Out: -71.975+/-11.073 χ^2/NDF:89.6/47

All: -63.430+/-7.935 χ^2/NDF: 156.7/89



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: 61.963+/-0.015 χ^2/NDF: 810663.1/22

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

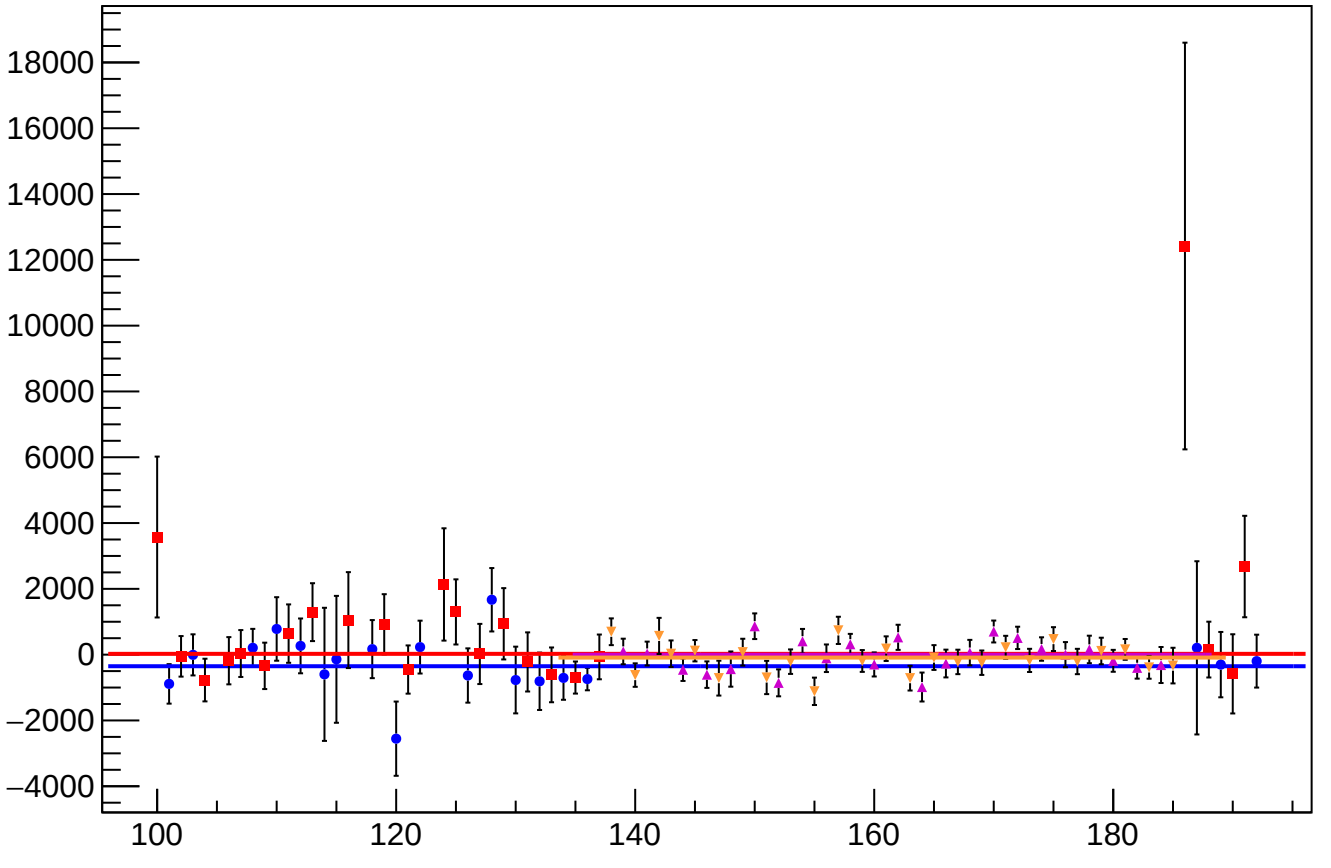
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 61.507+/-0.010 χ^2/NDF: 1459213.9/41

In: 58.856+/-0.008 χ^2/NDF:813752.4/41

Out: 58.726+/-0.008 χ^2/NDF:1053116.3/47

All: 58.789+/-0.006 χ^2/NDF: 1867003.0/89



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: 24.417+/-176.290 χ^2/NDF: 22.4/22

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

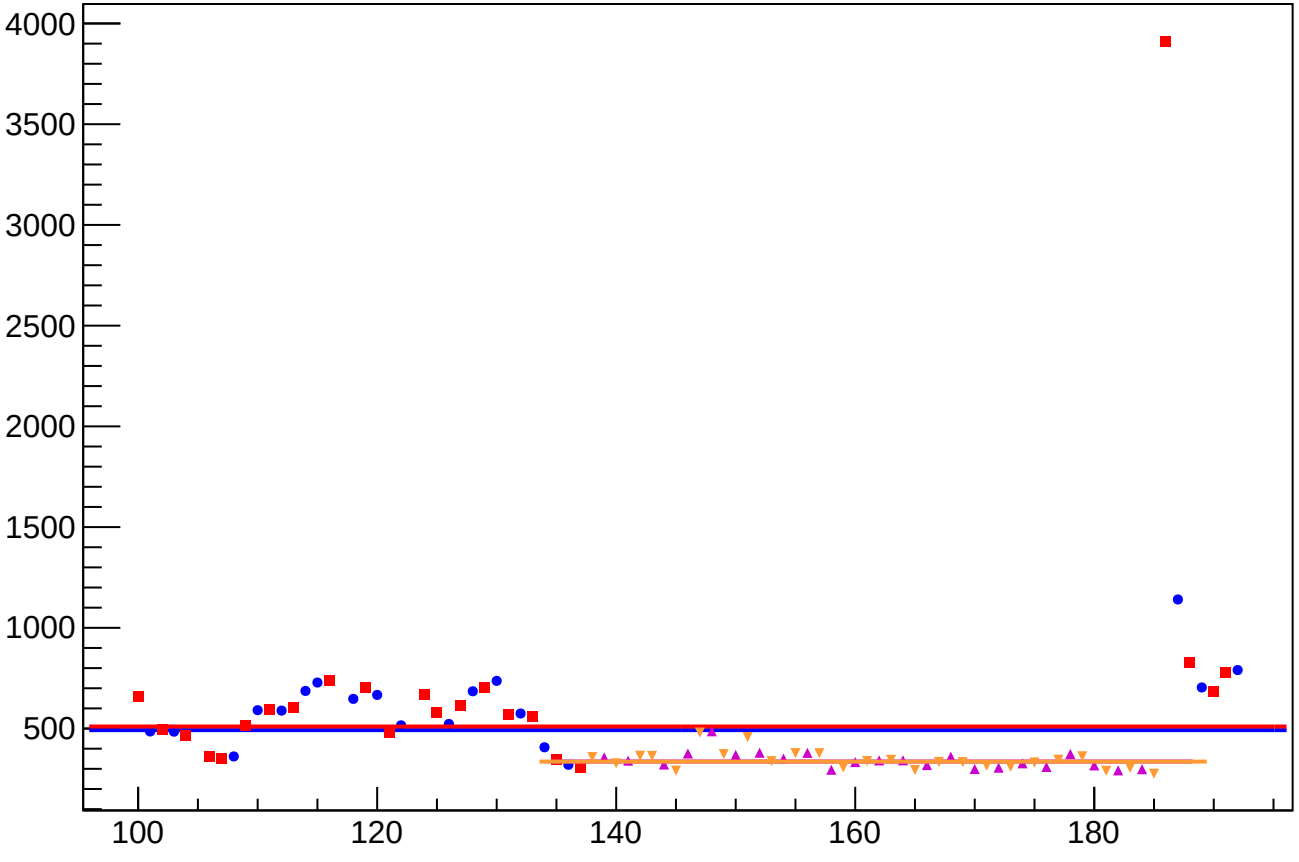
Right: -167.188+/-123.522 χ^2/NDF: 40.1/41

In: -63.425+/-72.016 χ^2/NDF:52.3/41

Out: -70.876+/-70.571 χ^2/NDF:52.7/47

All: -67.226+/-50.405 χ^2/NDF: 105.0/89

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: 510.118+/-0.125 χ^2/NDF: 1919213.8/22

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

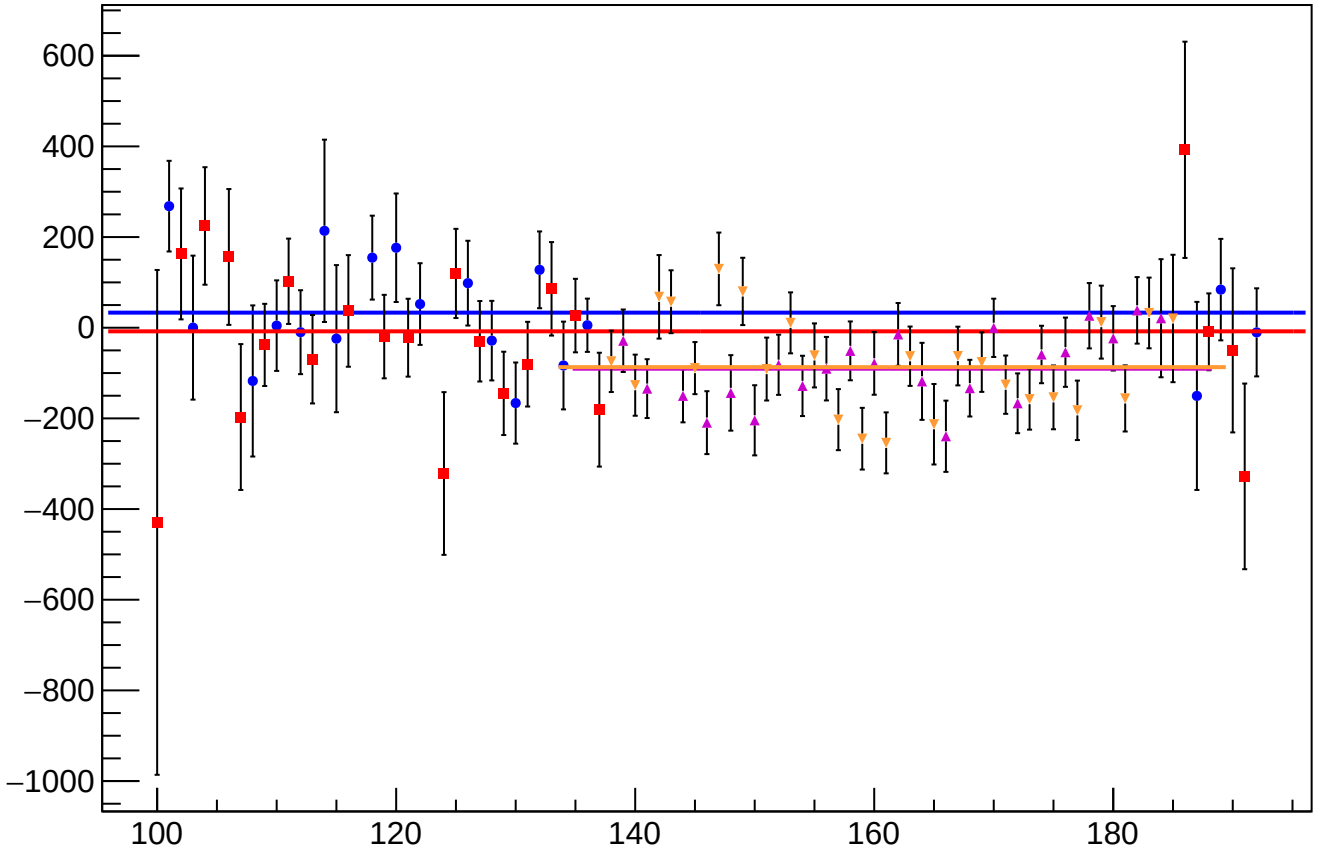
Right: 500.983+/-0.087 χ^2/NDF: 3486108.4/41

In: 363.308+/-0.051 χ^2/NDF:3310527.5/41

Out: 363.814+/-0.050 χ^2/NDF:4093413.7/47

All: 363.566+/-0.036 χ^2/NDF: 7403991.6/89

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: -7.958+/-23.136 χ^2/NDF: 25.7/22

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

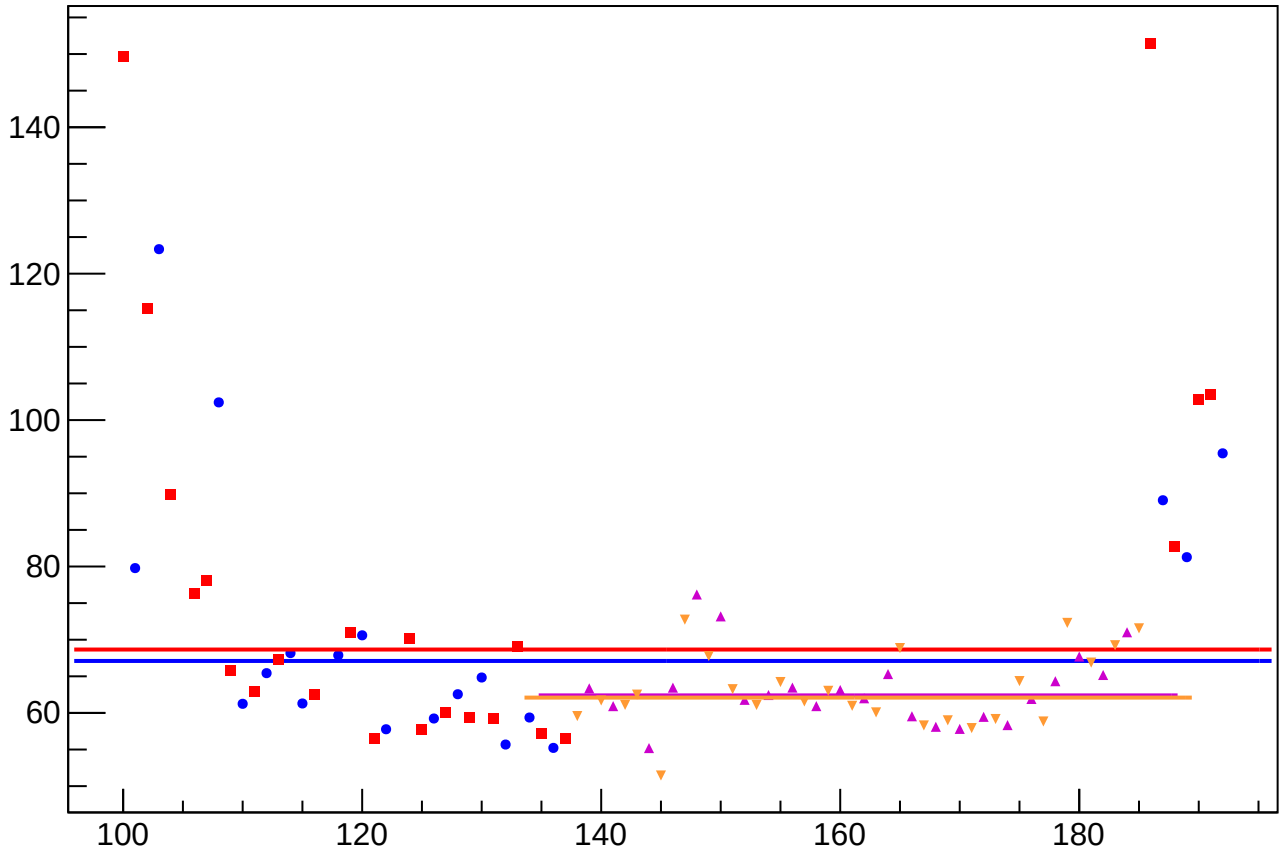
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 12.713+/-16.336 χ^2/NDF: 48.1/41

In: -54.813+/-12.371 χ^2/NDF:66.4/41

Out: -65.397+/-12.087 χ^2/NDF:83.0/47

All: -60.228+/-8.645 χ^2/NDF: 149.7/89



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: 68.659+/-0.016 χ^2/NDF: 941311.1/22

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

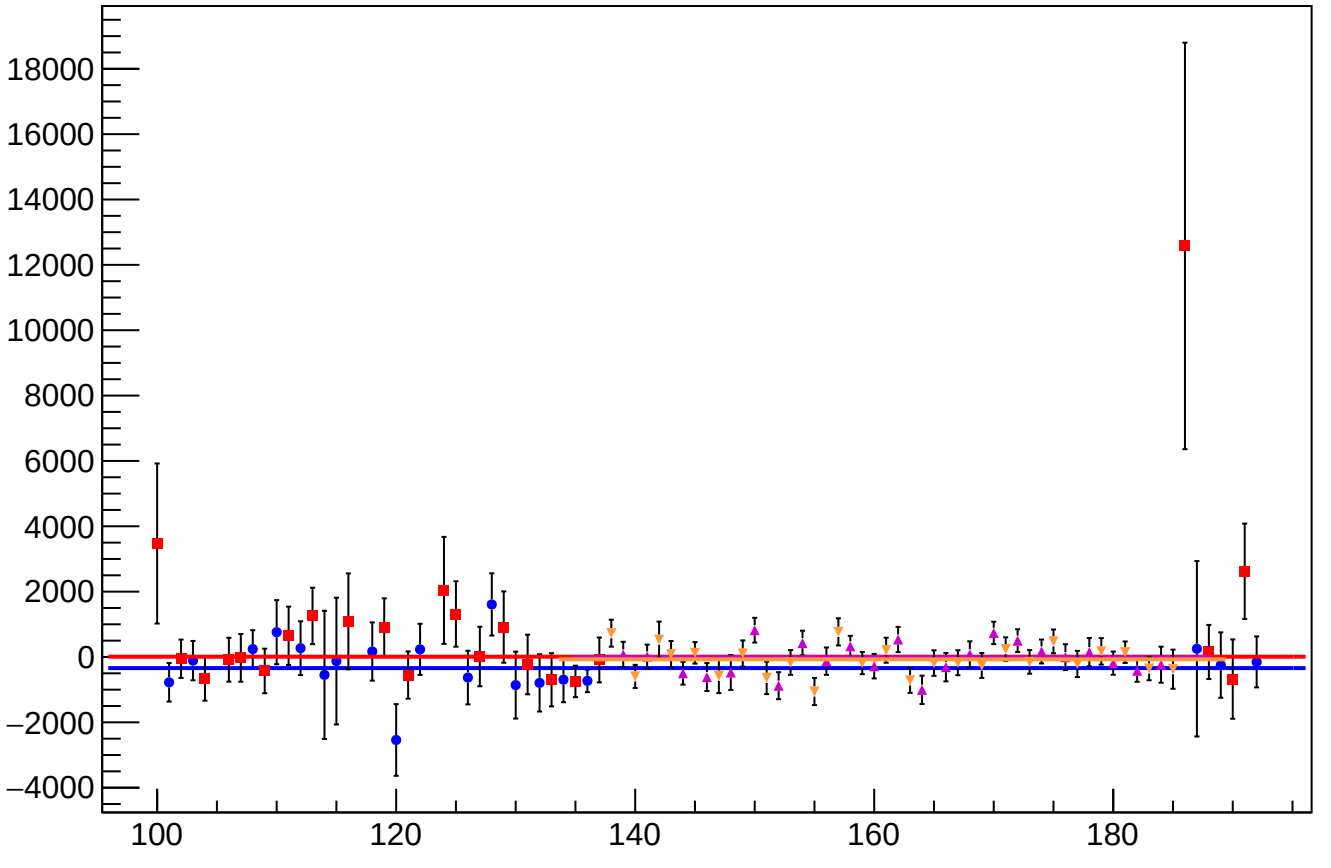
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 67.877+/-0.012 χ^2/NDF: 1728707.8/41

In: 63.748+/-0.009 χ^2/NDF:1030876.6/41

Out: 63.885+/-0.009 χ^2/NDF:1291784.4/47

All: 63.818+/-0.006 χ^2/NDF: 2322787.6/89



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: 9.062+/-174.161 χ^2/NDF: 23.1/22

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

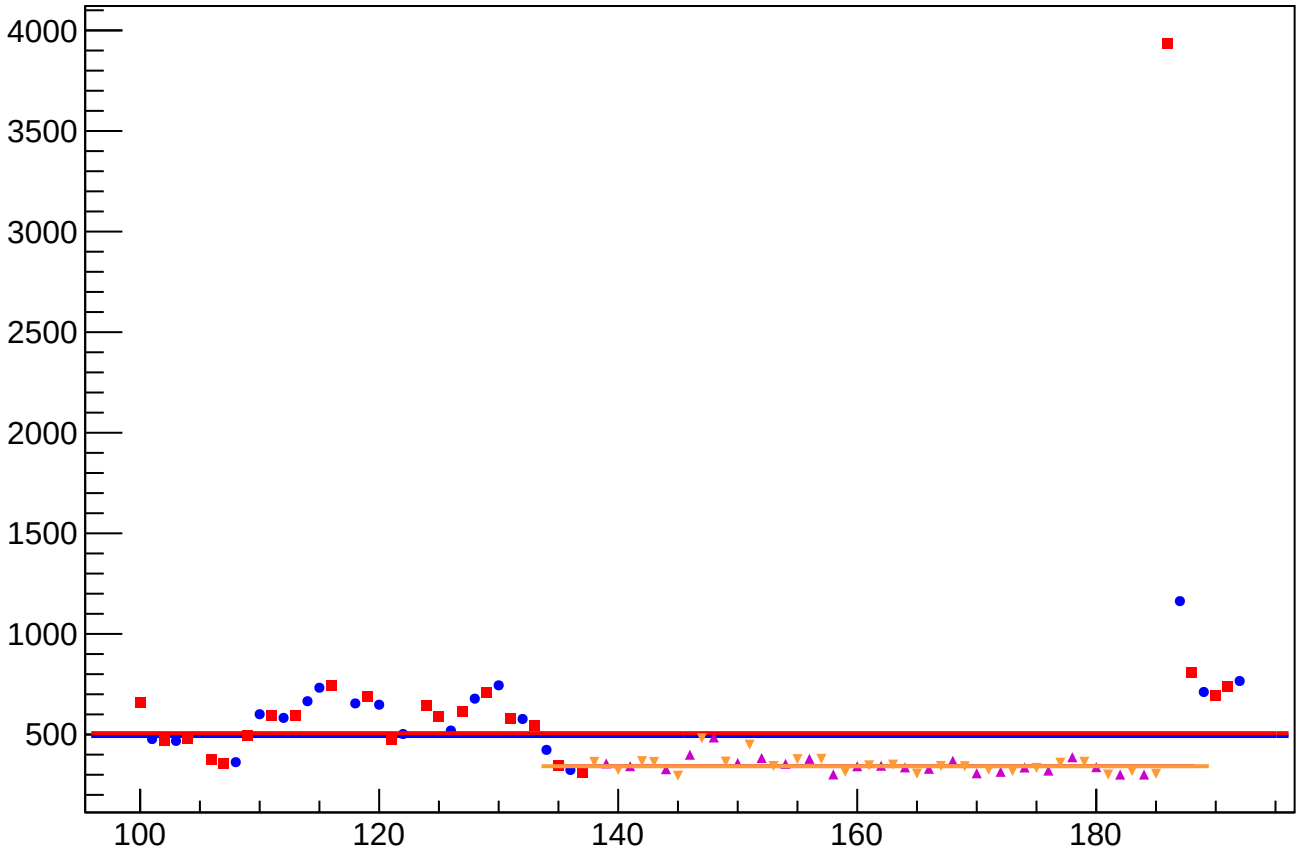
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

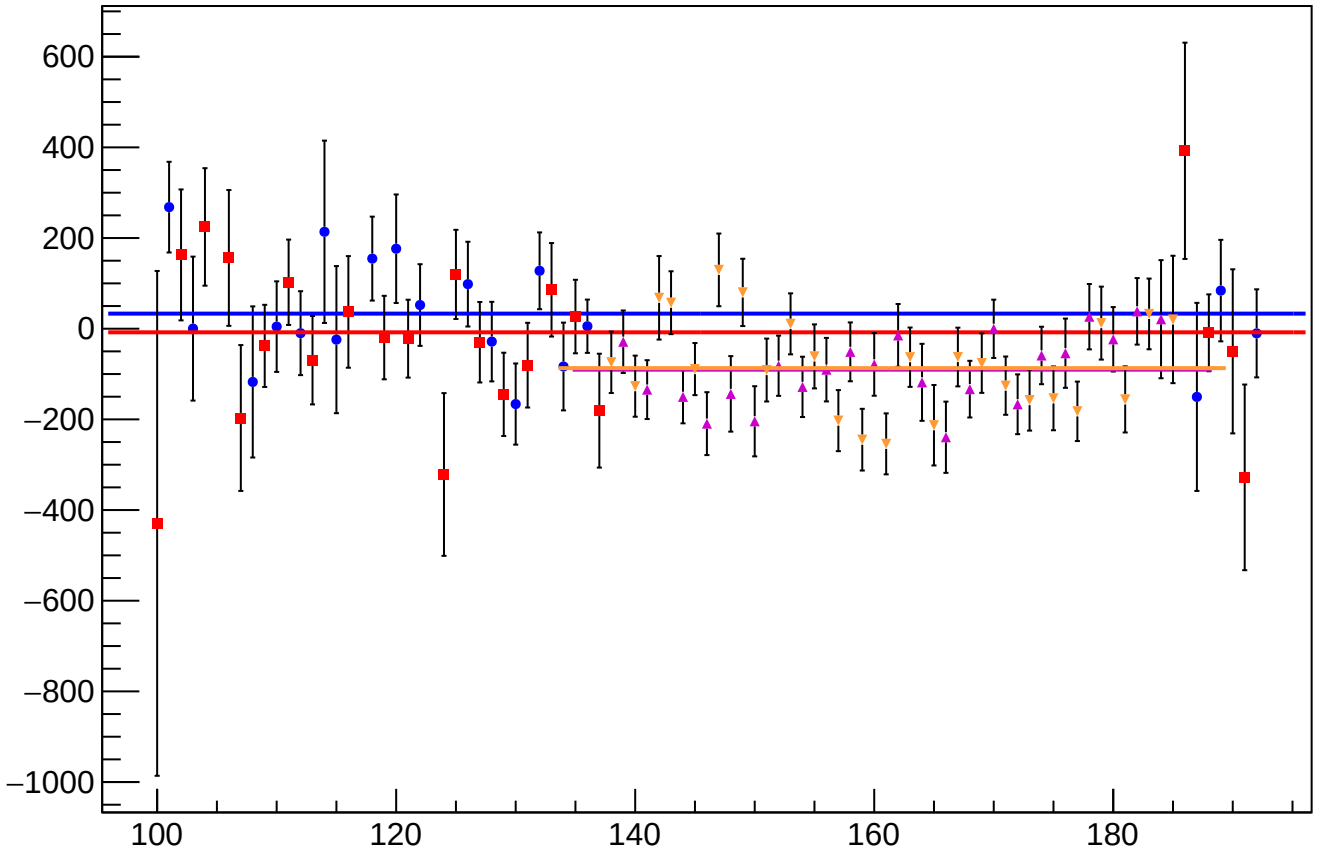
Right: -166.815+/-122.625 χ^2/NDF: 40.0/41

In: -66.002+/-73.155 χ^2/NDF:52.0/41

Out: -57.780+/-71.490 χ^2/NDF:51.9/47

All: -61.796+/-51.130 χ^2/NDF: 103.8/89


asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 492.470+/-0.122 χ²/NDF: 1490988.1/18
Left Out: 342.502+/-0.055 χ²/NDF:434208.3/24
Right Out: 506.820+/-0.123 χ²/NDF: 1864018.2/22
Left In: 343.245+/-0.057 χ²/NDF:372991.6/22
Left: 342.863+/-0.040 χ²/NDF: 807286.9/47
Right: 499.584+/-0.087 χ²/NDF: 3361852.7/41
In: 370.026+/-0.052 χ²/NDF:3089458.1/41
Out: 370.189+/-0.051 χ²/NDF:3778566.3/47
All: 370.109+/-0.036 χ²/NDF: 6868029.5/89



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: -7.959+/-23.136 χ^2/NDF: 25.7/22

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

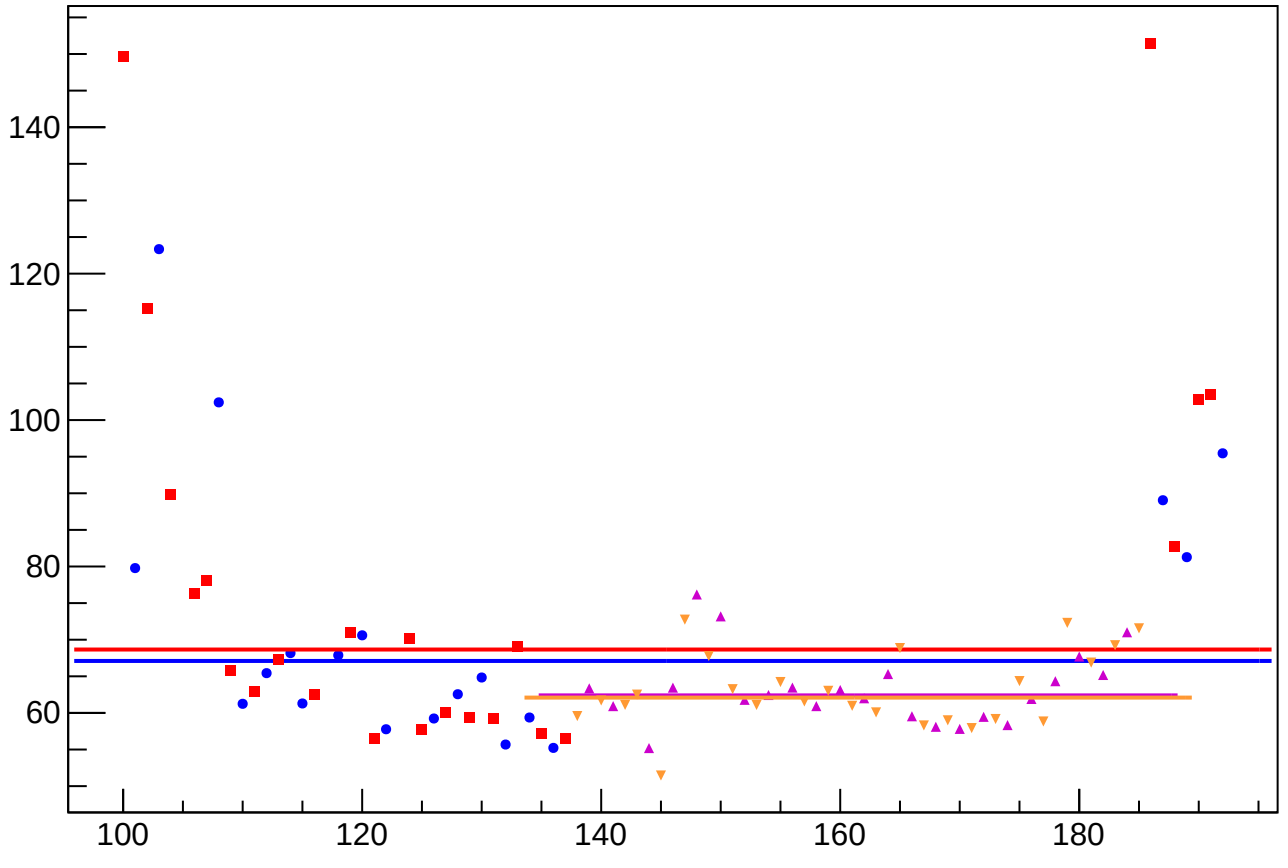
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 12.713+/-16.336 χ^2/NDF: 48.1/41

In: -54.813+/-12.371 χ^2/NDF:66.4/41

Out: -65.397+/-12.087 χ^2/NDF:83.0/47

All: -60.228+/-8.645 χ^2/NDF: 149.7/89



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: 68.659+/-0.016 χ^2/NDF: 941312.2/22

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

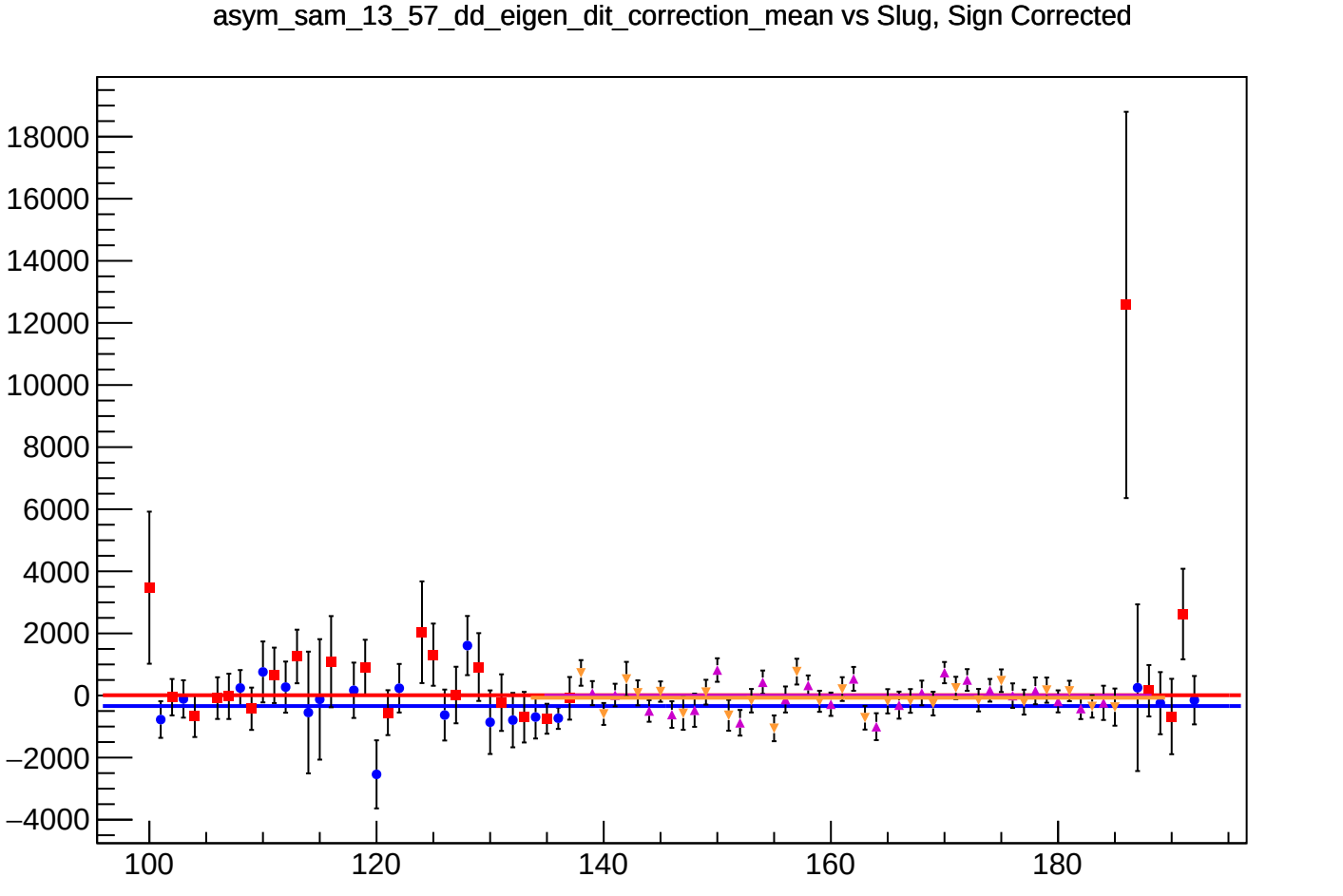
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 67.877+/-0.012 χ^2/NDF: 1728725.5/41

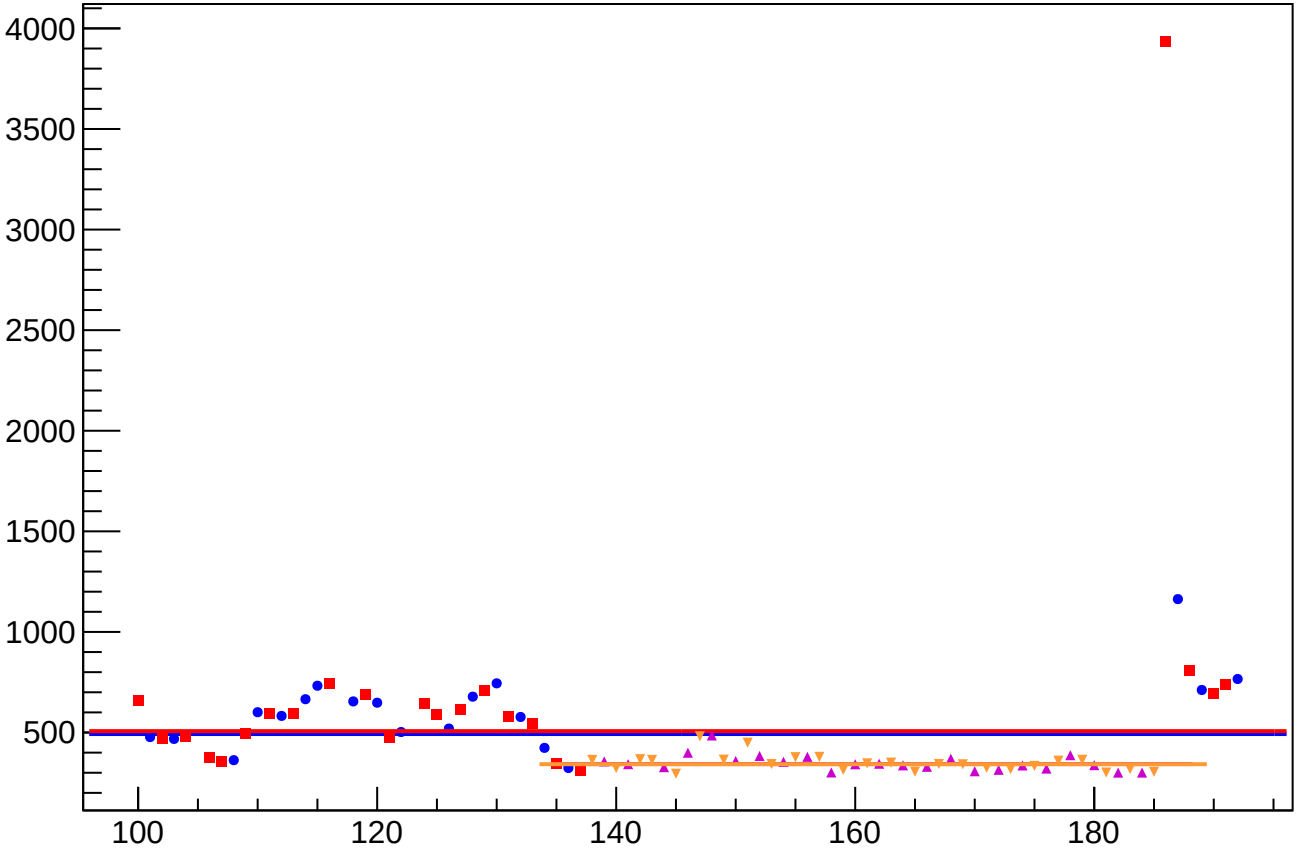
In: 63.748+/-0.009 χ^2/NDF:1030893.3/41

Out: 63.885+/-0.009 χ^2/NDF:1291787.4/47

All: 63.818+/-0.006 χ^2/NDF: 2322807.2/89


asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
Right In: -339.723+/-172.684 χ²/NDF: 14.9/18
Left Out: -71.324+/-78.399 χ²/NDF:28.6/24
Right Out: 9.062+/-174.160 χ²/NDF: 23.1/22
Left In: -6.134+/-80.760 χ²/NDF:34.0/22
Left: -39.696+/-56.253 χ²/NDF: 62.9/47
Right: -166.815+/-122.625 χ²/NDF: 40.0/41
In: -66.002+/-73.155 χ²/NDF:52.0/41
Out: -57.779+/-71.490 χ²/NDF:51.9/47
All: -61.796+/-51.130 χ²/NDF: 103.8/89

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: 506.819+/-0.123 χ^2/NDF: 1864018.8/22

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

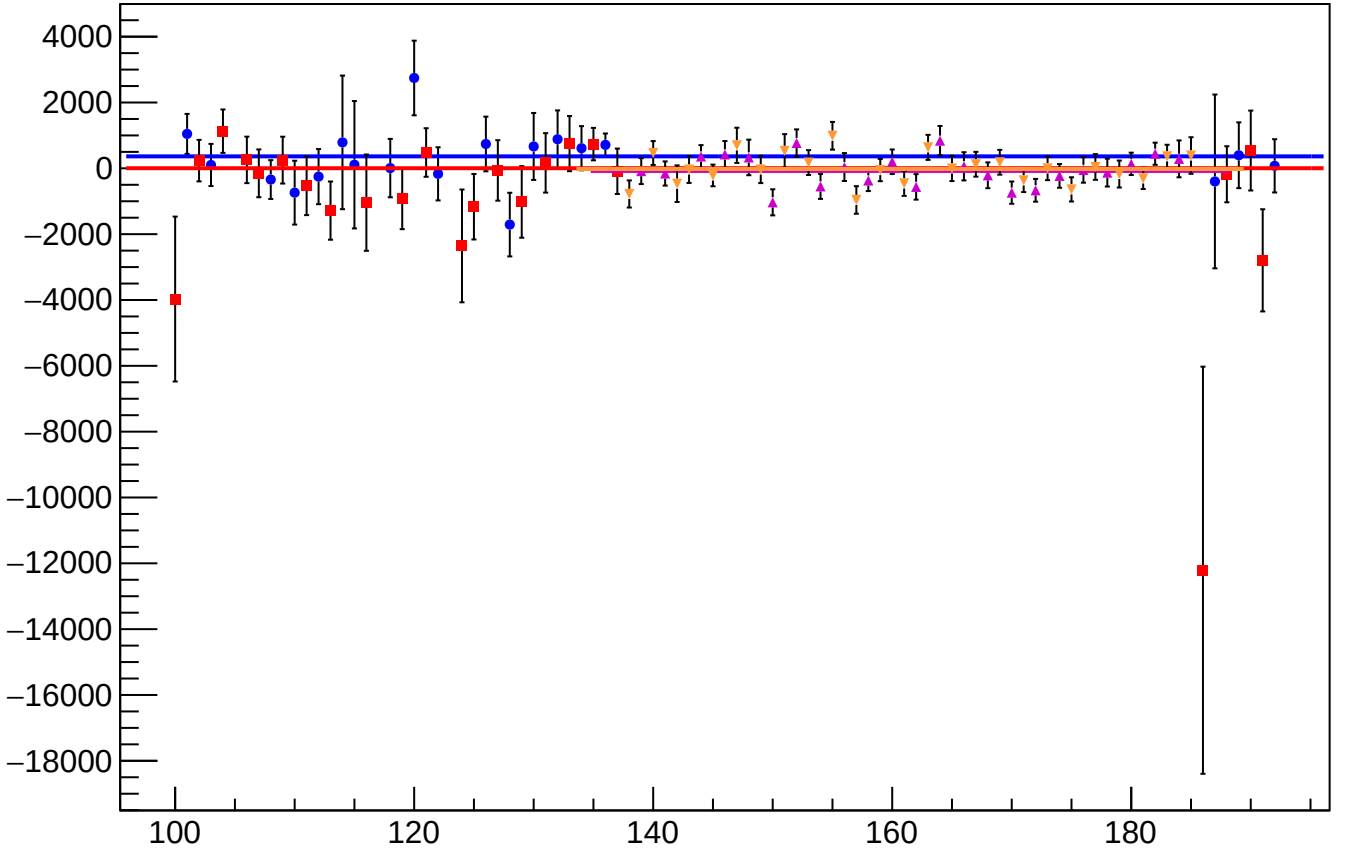
Right: 499.583+/-0.087 χ^2/NDF: 3361855.9/41

In: 370.026+/-0.052 χ^2/NDF:3089453.1/41

Out: 370.189+/-0.051 χ^2/NDF:3778558.3/47

All: 370.109+/-0.036 χ^2/NDF: 6868016.5/89

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: 3.399+/-177.792 χ^2/NDF: 24.9/22

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

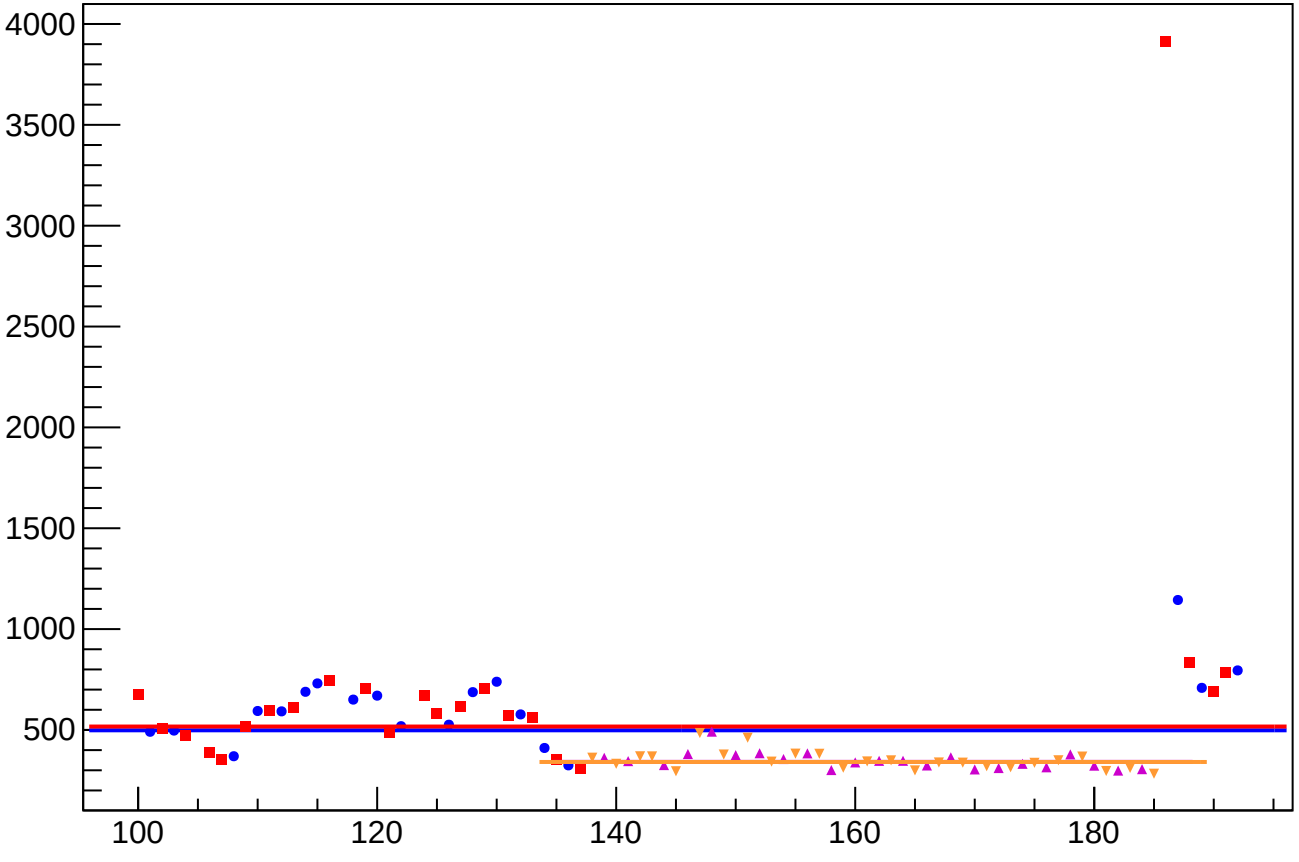
Right: 186.465+/-124.726 χ^2/NDF: 43.4/41

In: -1.580+/-73.067 χ^2/NDF:54.6/41

Out: -16.436+/-71.579 χ^2/NDF:56.4/47

All: -9.161+/-51.132 χ^2/NDF: 111.0/89

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: 516.906+/-0.126 χ^2/NDF: 1864055.1/22

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

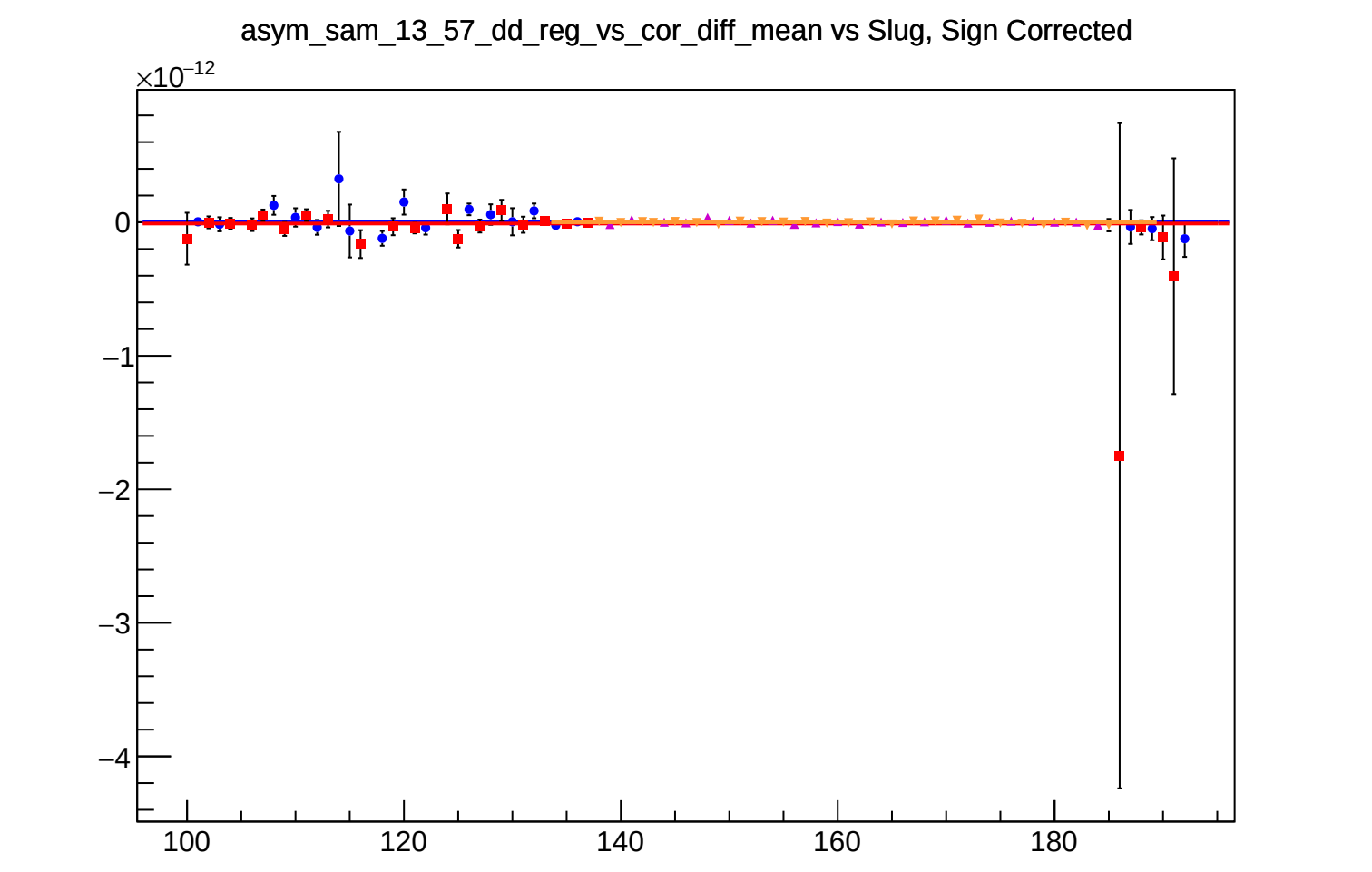
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 507.402+/-0.088 χ^2/NDF: 3391961.9/41

In: 368.911+/-0.052 χ^2/NDF:3235156.8/41

Out: 369.679+/-0.051 χ^2/NDF:4011663.1/47

All: 369.303+/-0.036 χ^2/NDF: 7246932.4/89



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/22

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

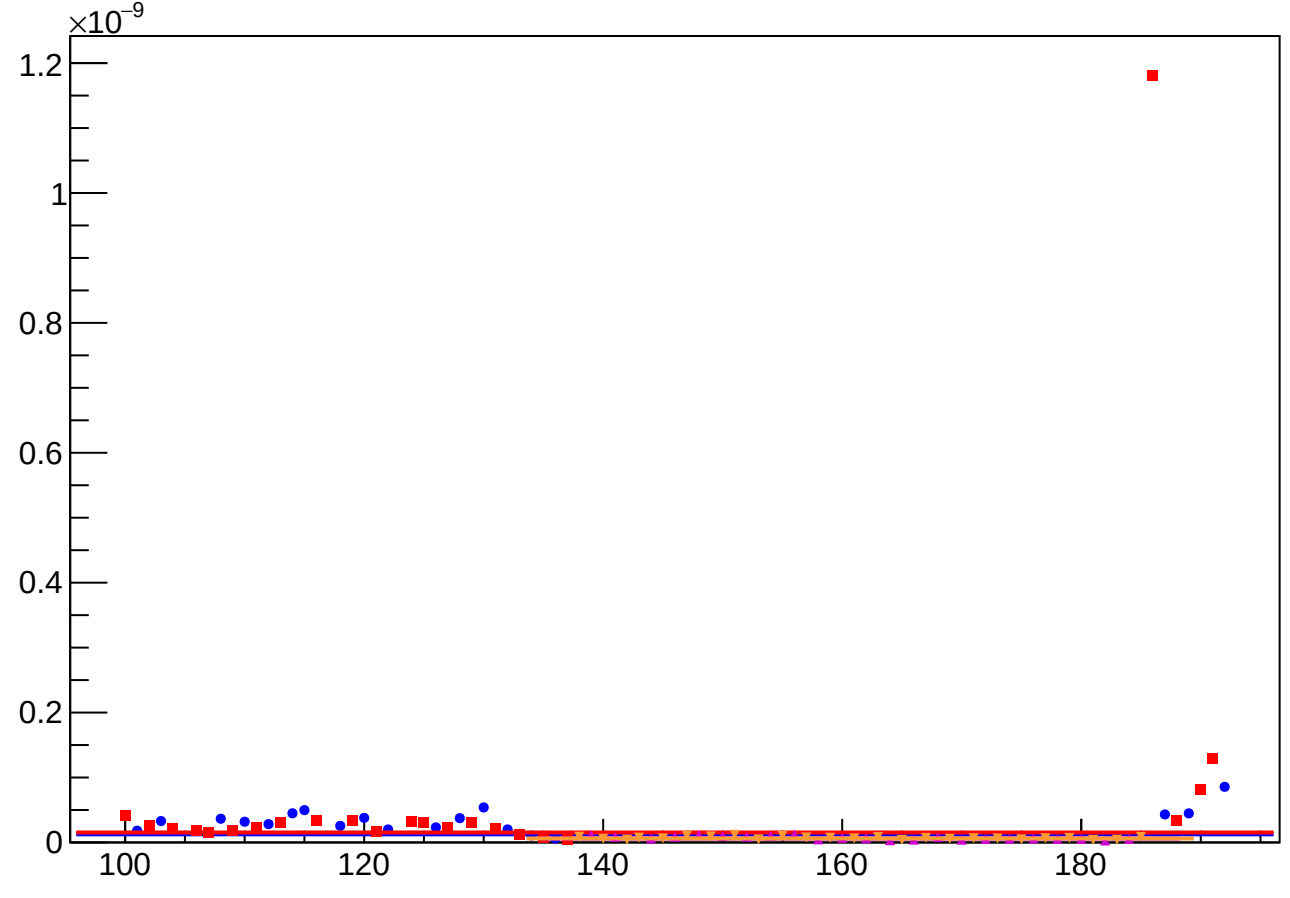
Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

Right: -0.000+/-0.000 χ^2/NDF: 39.3/41

In: 0.000+/-0.000 χ^2/NDF:36.9/41

Out: -0.000+/-0.000 χ^2/NDF:35.5/47

All: 0.000+/-0.000 χ^2/NDF: 73.6/89



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: 2833777.3/22

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

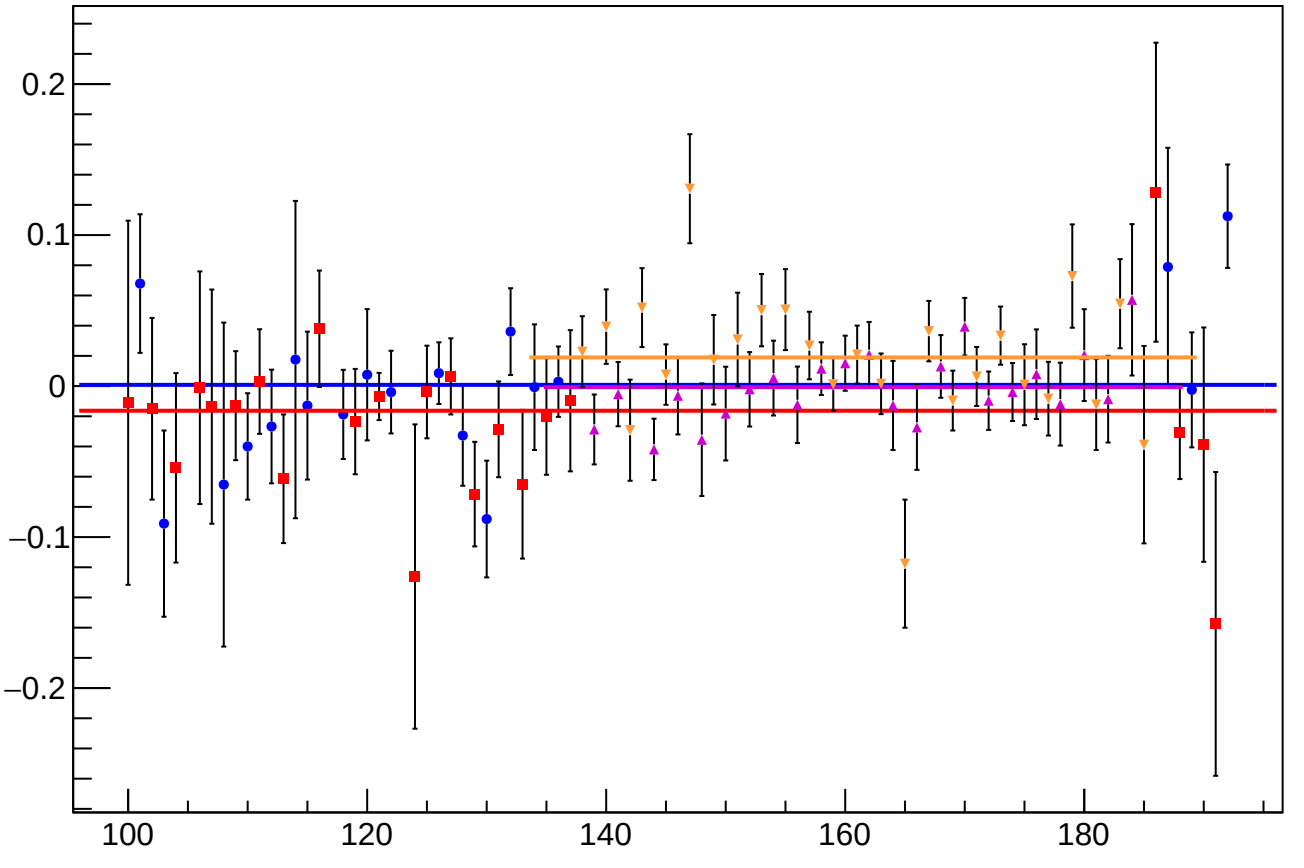
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 6775134.3/41

In: 0.000+/-0.000 χ^2/NDF:6684933.8/41

Out: 0.000+/-0.000 χ^2/NDF:5883003.7/47

All: 0.000+/-0.000 χ^2/NDF: 12573953.8/89



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: -0.016+/-0.008 χ^2/NDF: 14.5/22

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

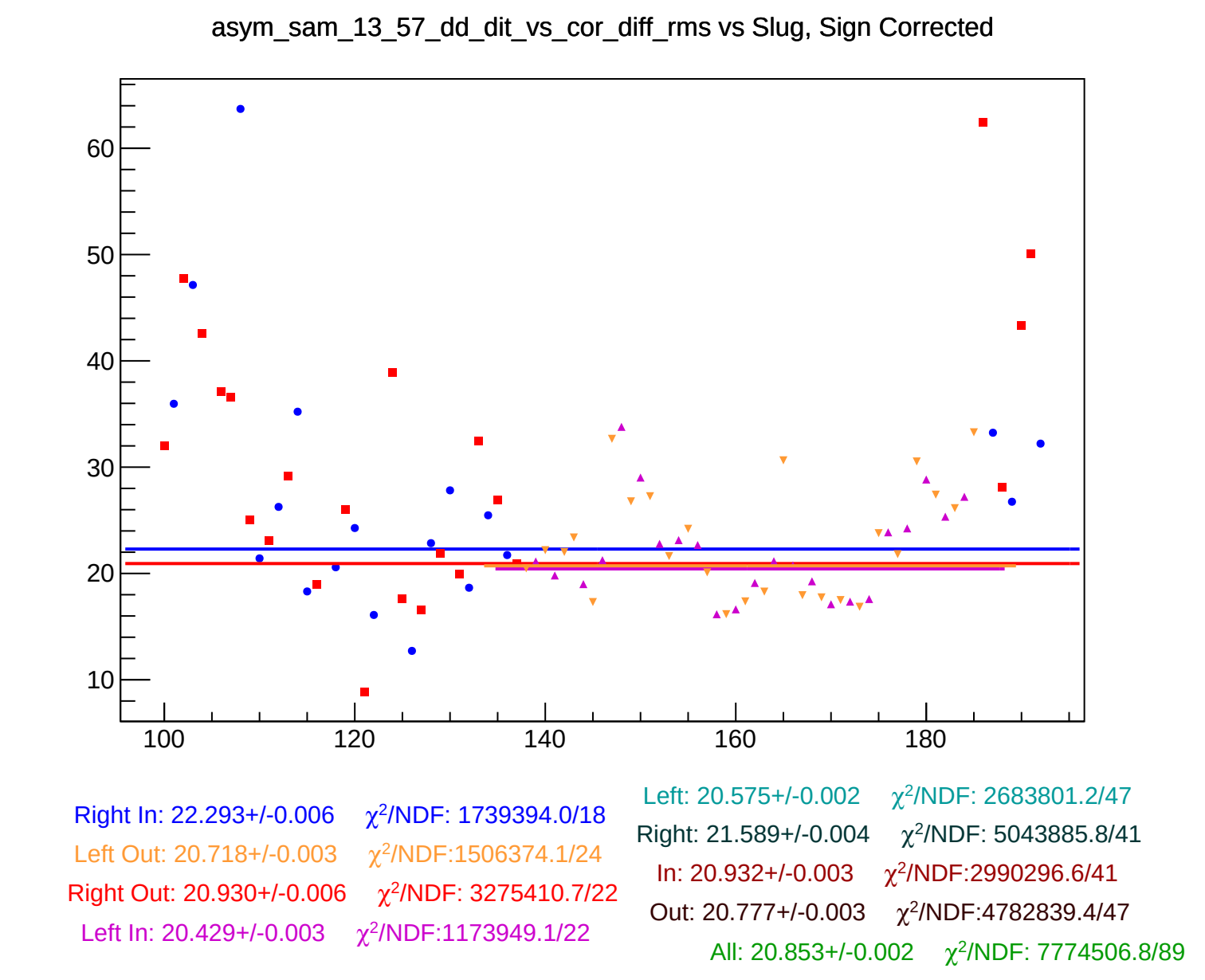
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

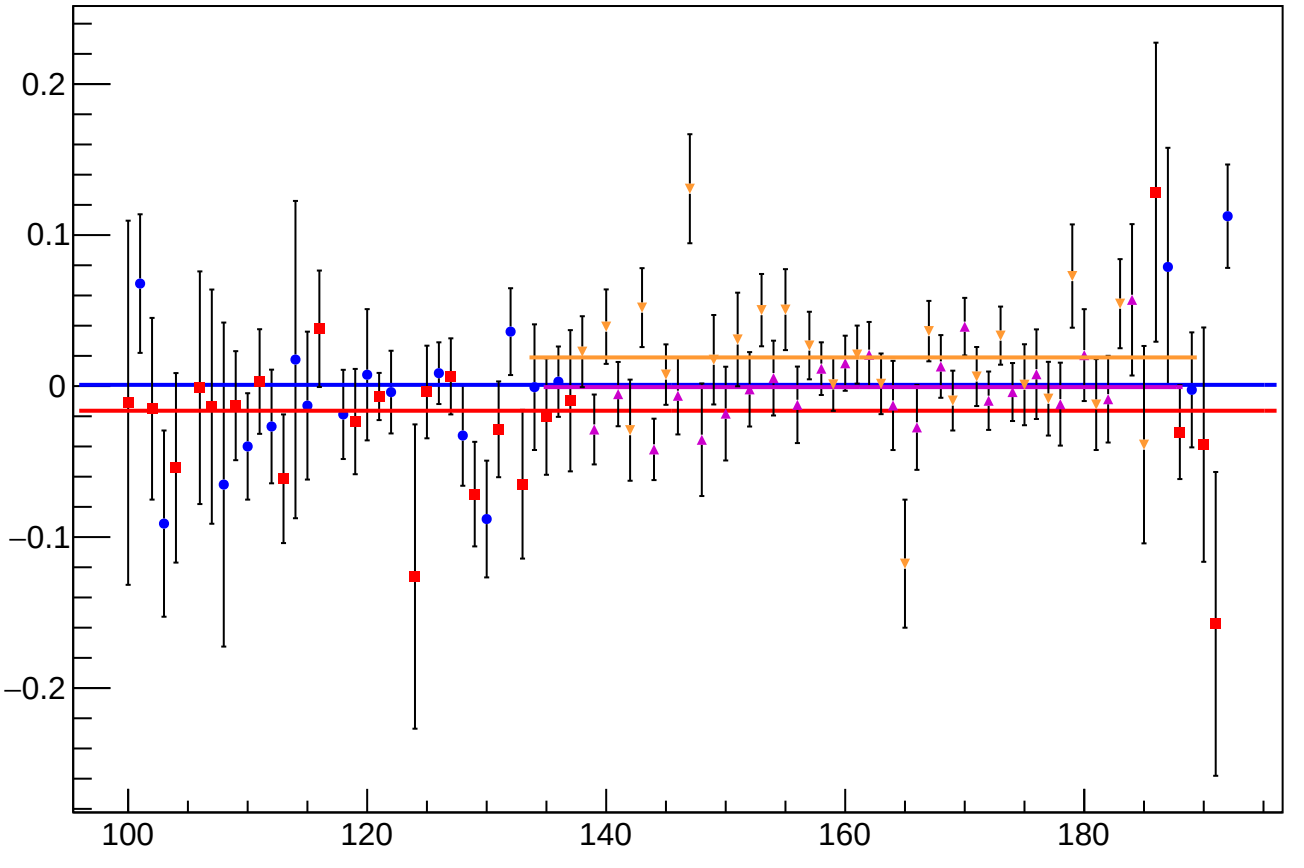
Right: -0.008+/-0.006 χ^2/NDF: 43.6/41

In: -0.000+/-0.004 χ^2/NDF:44.5/41

Out: 0.009+/-0.004 χ^2/NDF:70.2/47

All: 0.005+/-0.003 χ^2/NDF: 117.3/89


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
120
140
160
180
Right In: 22.293+/-0.006 χ2/NDF: 1739394.0/18
Left Out: 20.718+/-0.003 χ2/NDF:1506374.1/24
Right Out: 20.930+/-0.006 χ2/NDF: 3275410.7/22
Left In: 20.429+/-0.003 χ2/NDF:1173949.1/22
Left: 20.575+/-0.002 χ2/NDF: 2683801.2/47
Right: 21.589+/-0.004 χ2/NDF: 5043885.8/41
In: 20.932+/-0.003 χ2/NDF:2990296.6/41
Out: 20.777+/-0.003 χ2/NDF:4782839.4/47
All: 20.853+/-0.002 χ2/NDF: 7774506.8/89



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: -0.016+/-0.008 χ^2/NDF: 14.5/22

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

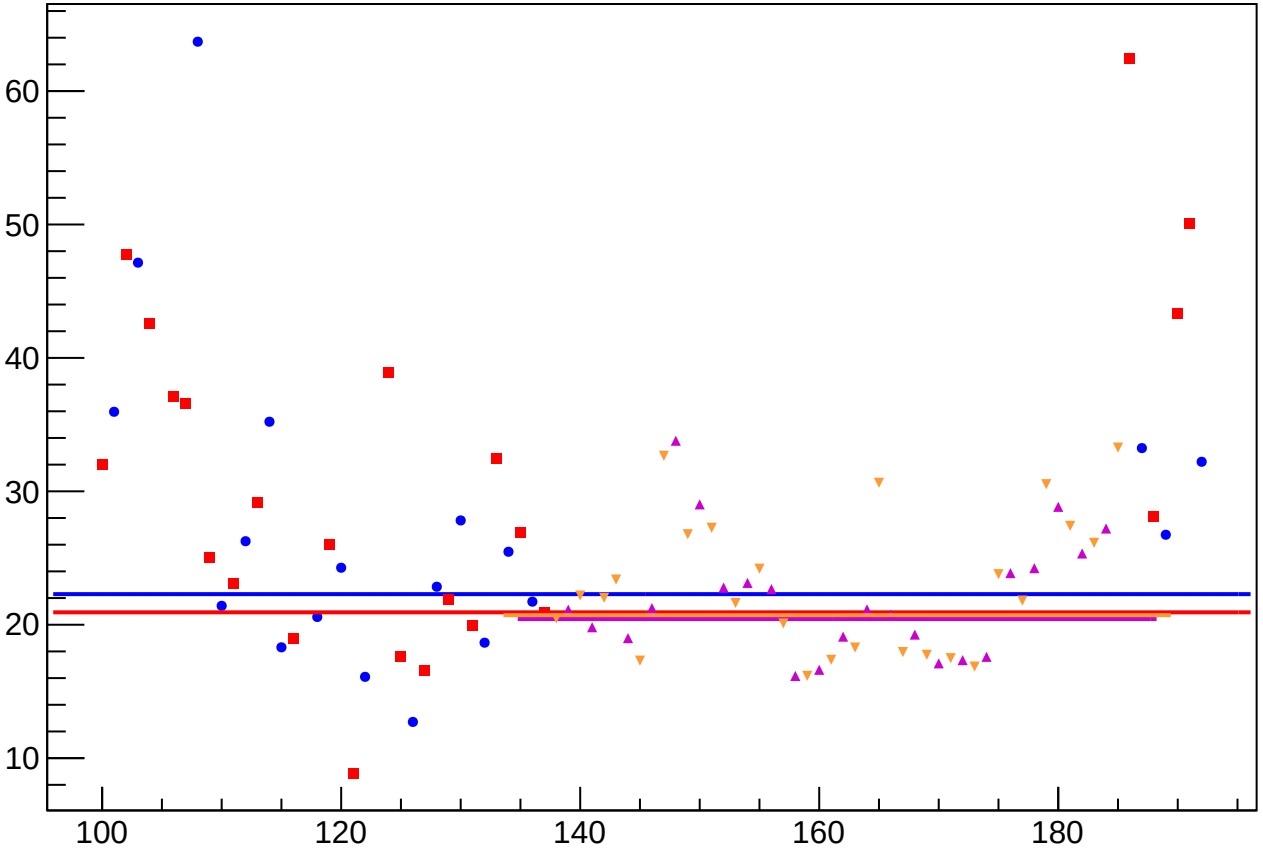
Right: -0.008+/-0.006 χ^2/NDF: 43.6/41

In: -0.000+/-0.004 χ^2/NDF:44.5/41

Out: 0.009+/-0.004 χ^2/NDF:70.2/47

All: 0.005+/-0.003 χ^2/NDF: 117.3/89

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 20.930+/-0.006 χ^2/NDF: 3275410.7/22

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

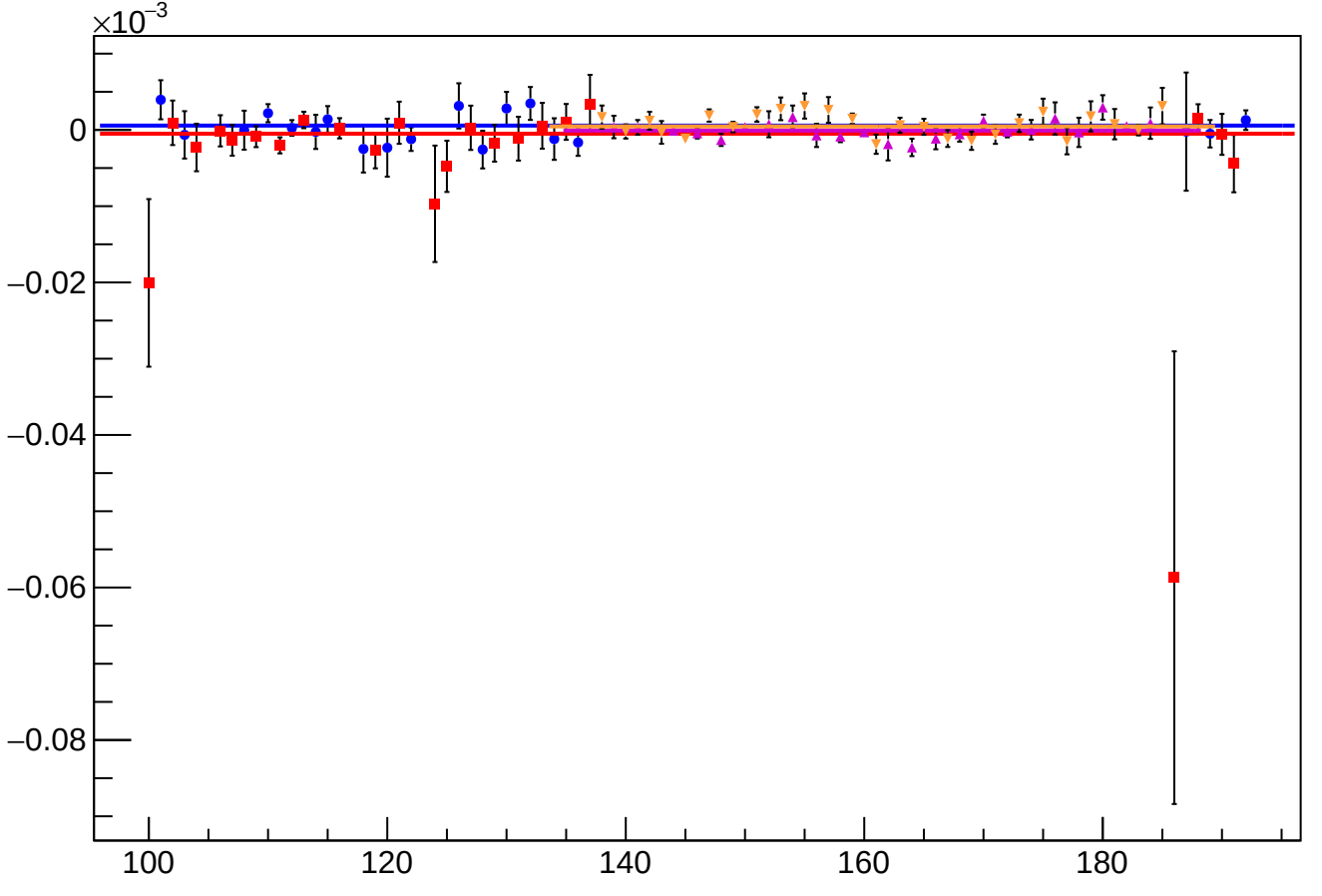
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 21.589+/-0.004 χ^2/NDF: 5043885.8/41

In: 20.932+/-0.003 χ^2/NDF:2990296.6/41

Out: 20.777+/-0.003 χ^2/NDF:4782839.4/47

All: 20.853+/-0.002 χ^2/NDF: 7774506.8/89



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: 21.5/22

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

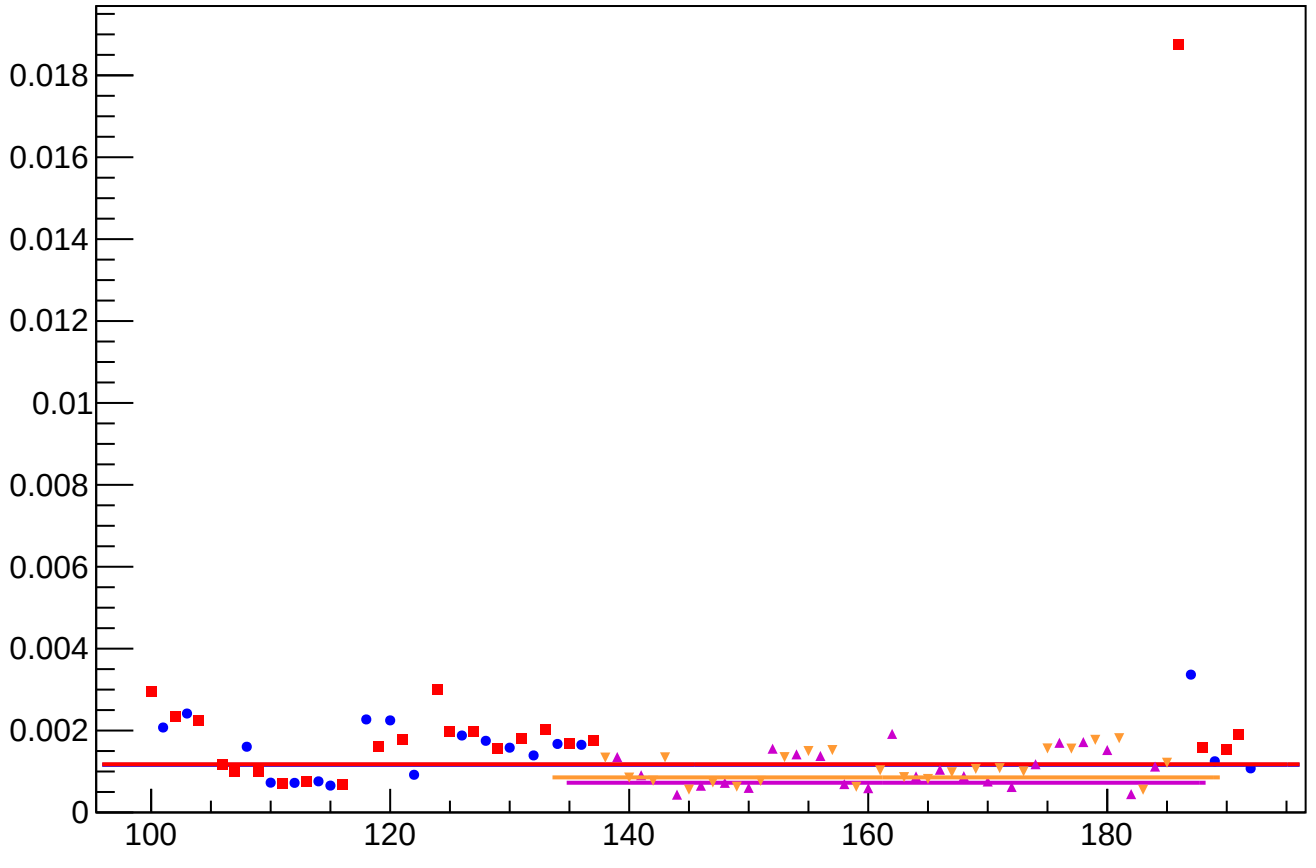
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: 0.000+/-0.000 χ^2/NDF: 39.6/41

In: 0.000+/-0.000 χ^2/NDF:36.5/41

Out: 0.000+/-0.000 χ^2/NDF:62.1/47

All: 0.000+/-0.000 χ^2/NDF: 99.7/89



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: 3562176.6/22

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

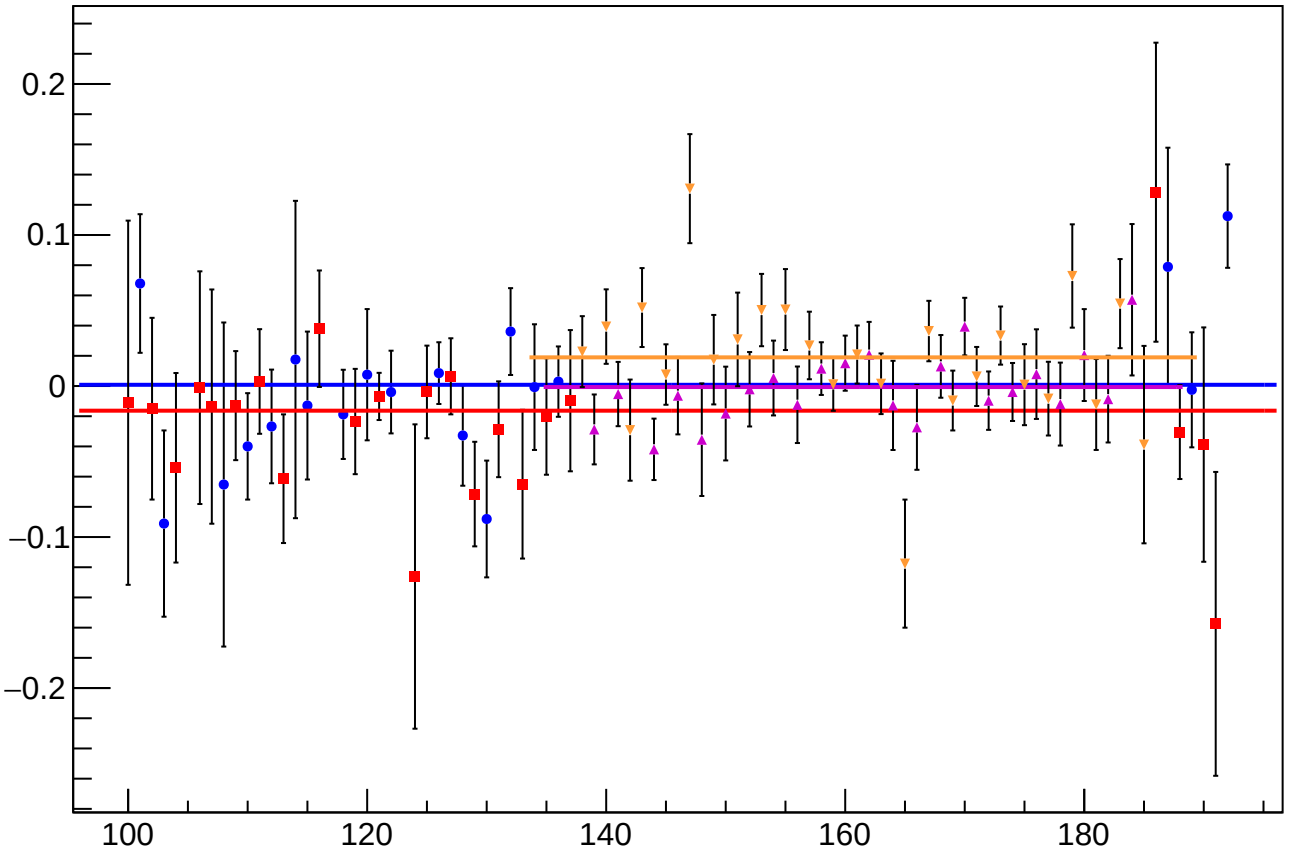
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 6273000.2/41

In: 0.001+/-0.000 χ^2/NDF:10225906.7/41

Out: 0.001+/-0.000 χ^2/NDF:8876189.2/47

All: 0.001+/-0.000 χ^2/NDF: 19564270.8/89



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: -0.016+/-0.008 χ^2/NDF: 14.5/22

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

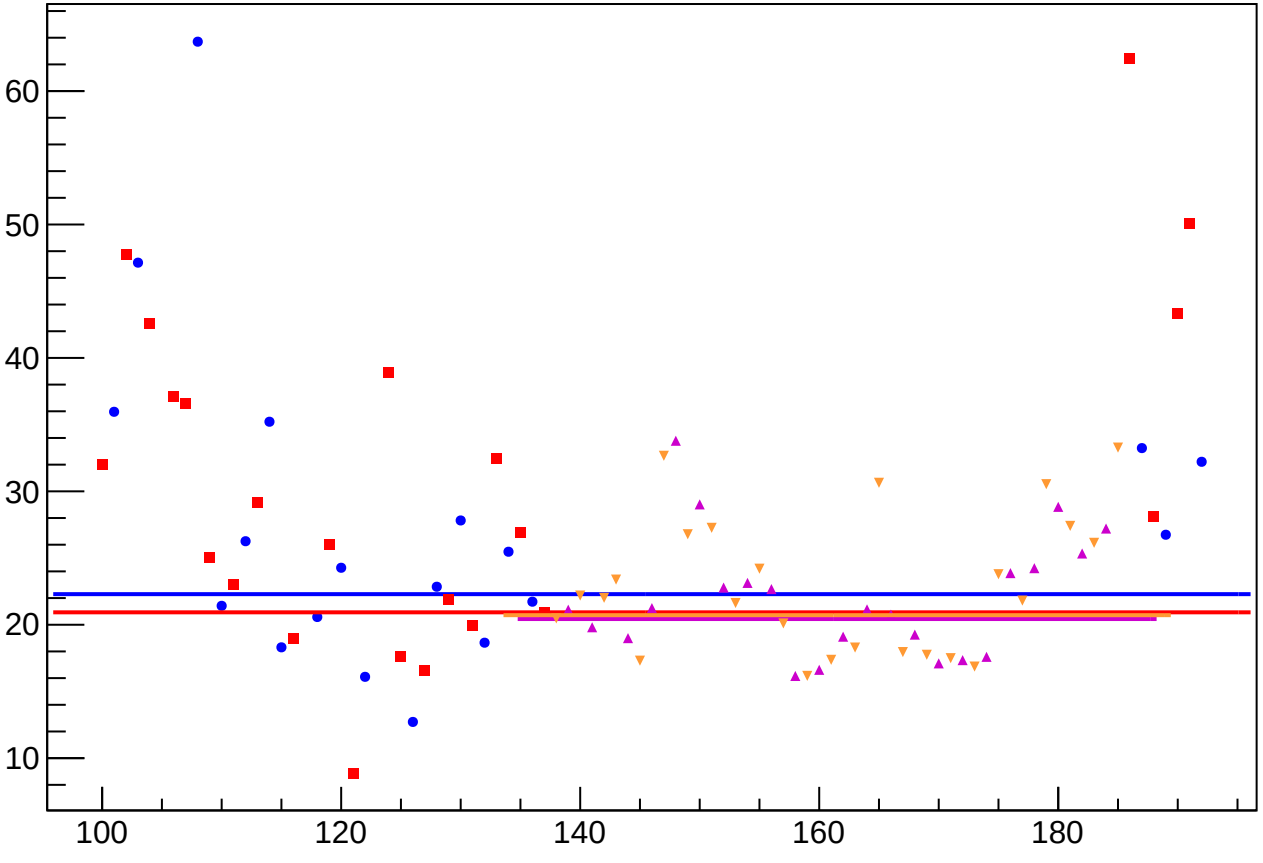
Right: -0.008+/-0.006 χ^2/NDF: 43.6/41

In: -0.000+/-0.004 χ^2/NDF:44.5/41

Out: 0.009+/-0.004 χ^2/NDF:70.2/47

All: 0.005+/-0.003 χ^2/NDF: 117.3/89

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 20.931+/-0.006 χ^2/NDF: 3274950.3/22

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

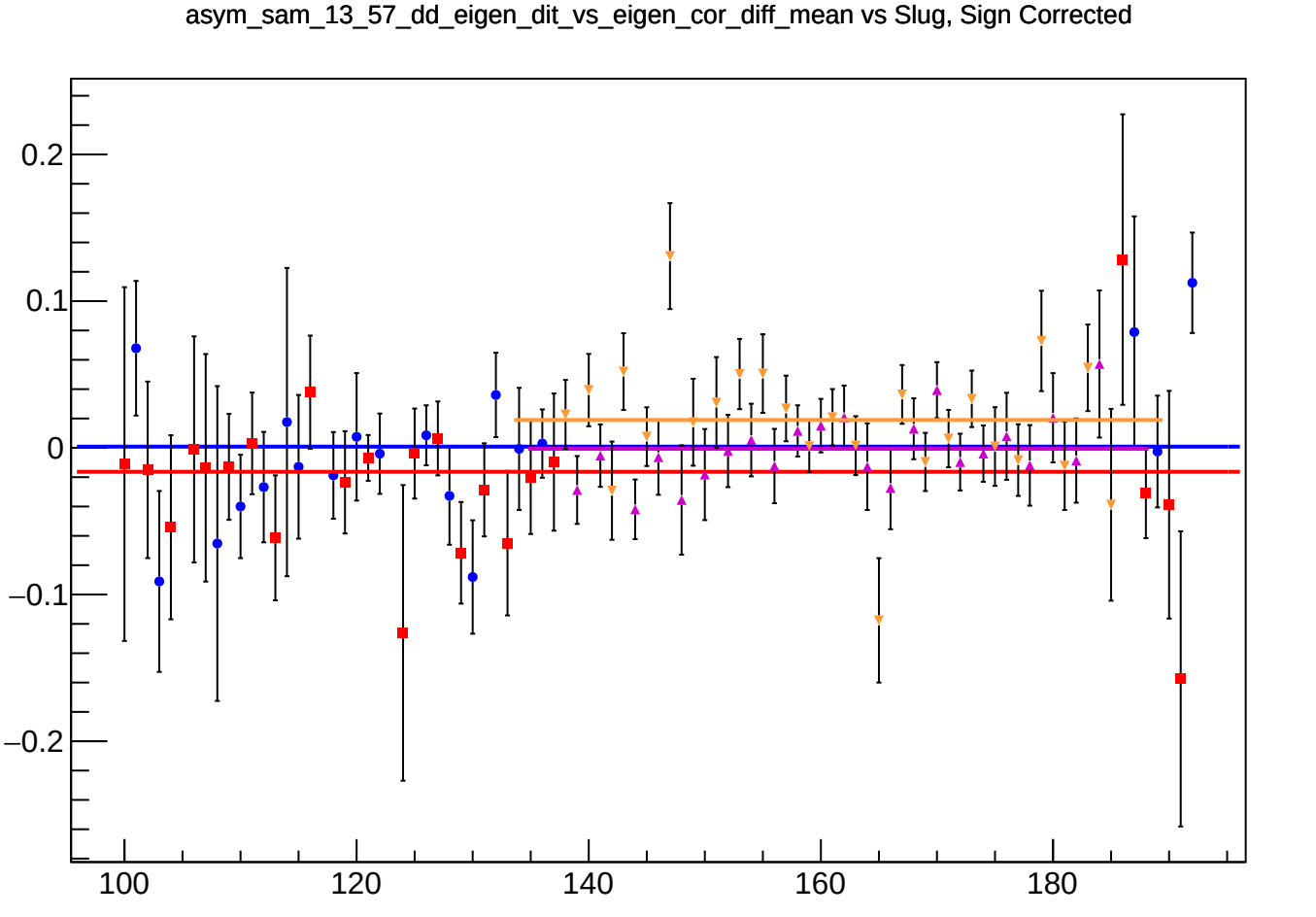
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 21.590+/-0.004 χ^2/NDF: 5043244.9/41

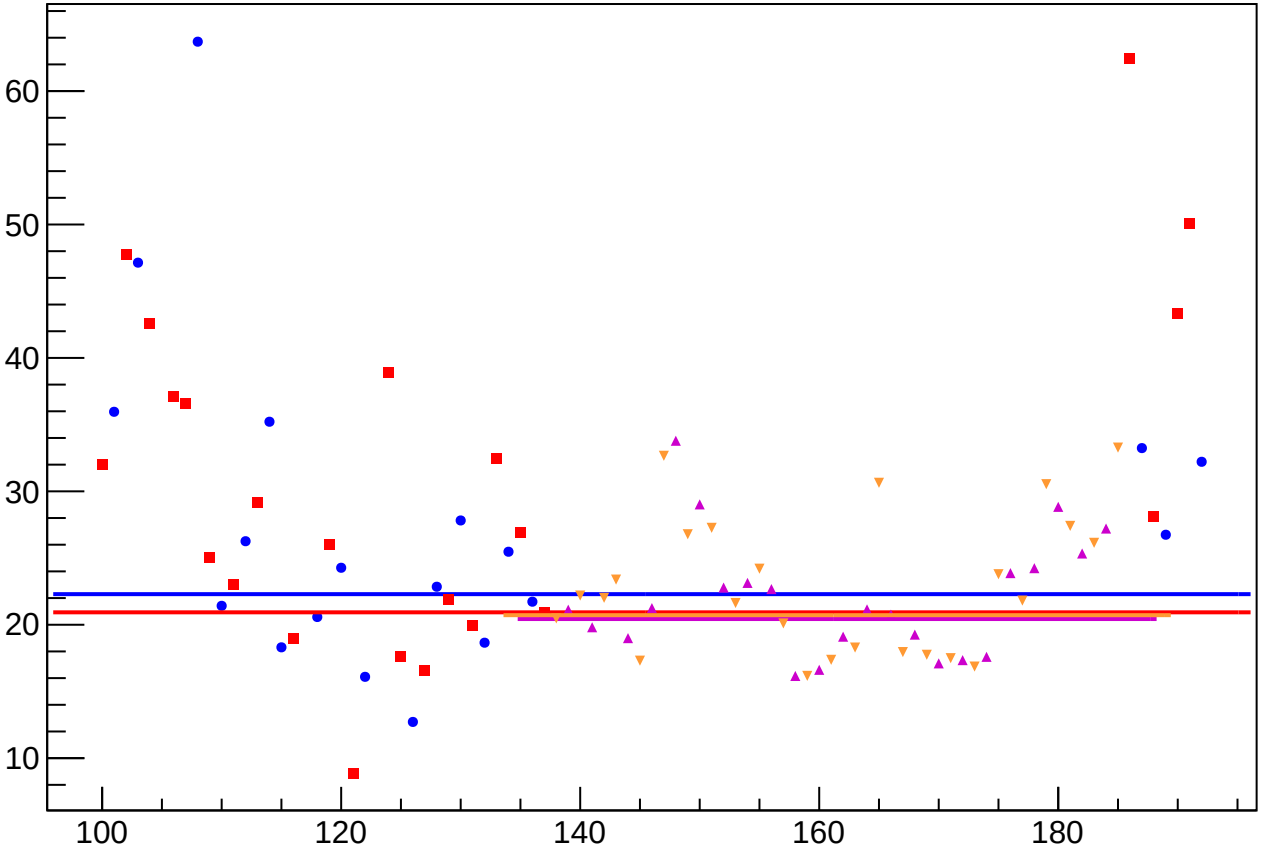
In: 20.932+/-0.003 χ^2/NDF:2990198.9/41

Out: 20.777+/-0.003 χ^2/NDF:4782487.7/47

All: 20.853+/-0.002 χ^2/NDF: 7774056.7/89


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: -0.016+/-0.008 χ²/NDF: 14.5/22
Left In: -0.001+/-0.005 χ²/NDF:17.7/22
Left: 0.009+/-0.003 χ²/NDF: 66.9/47
Right: -0.008+/-0.006 χ²/NDF: 43.6/41
In: -0.000+/-0.004 χ²/NDF:44.5/41
Out: 0.009+/-0.004 χ²/NDF:70.2/47
All: 0.005+/-0.003 χ²/NDF: 117.3/89

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 20.931+/-0.006 χ^2/NDF: 3274950.3/22

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

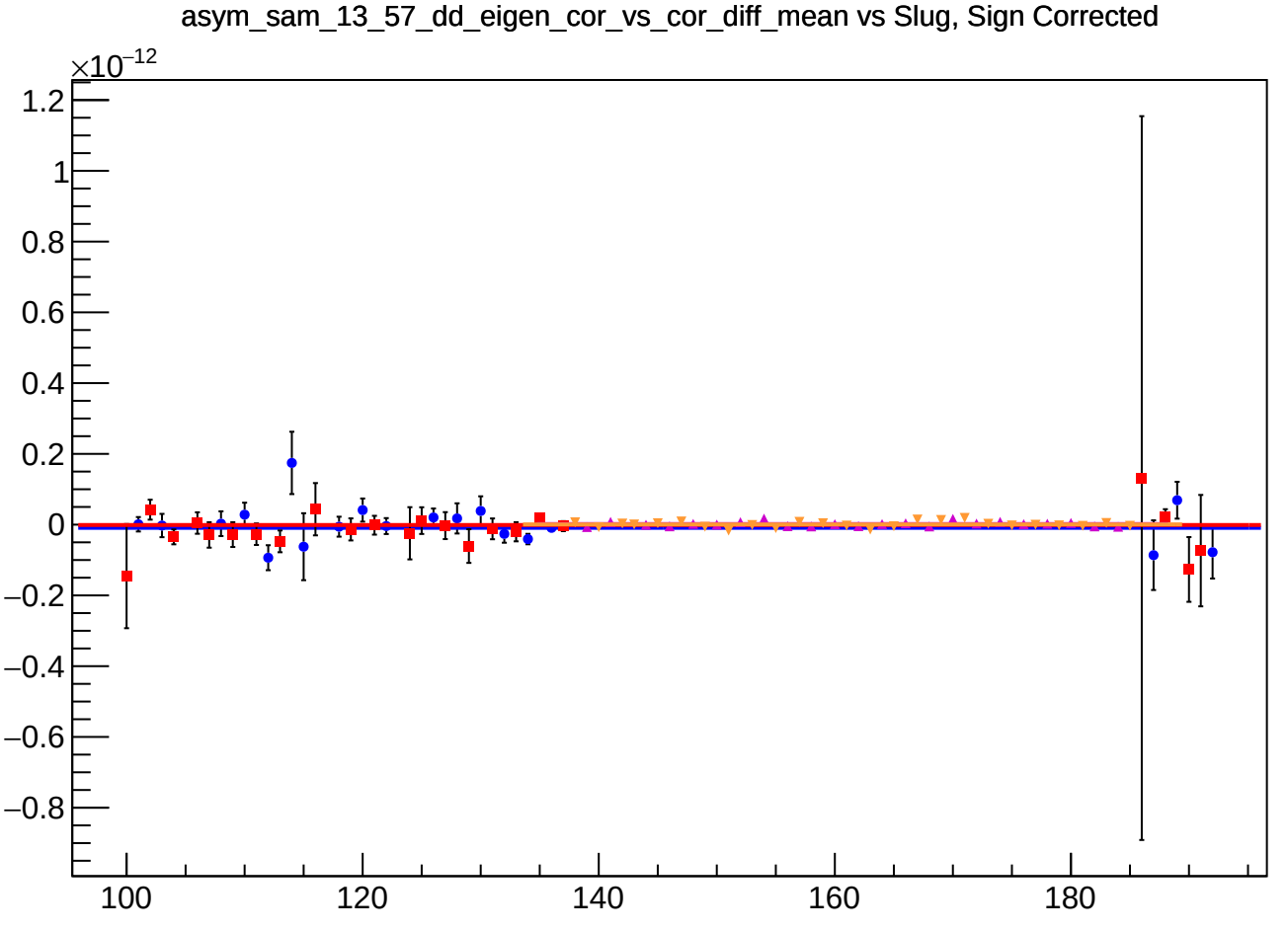
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 21.590+/-0.004 χ^2/NDF: 5043244.9/41

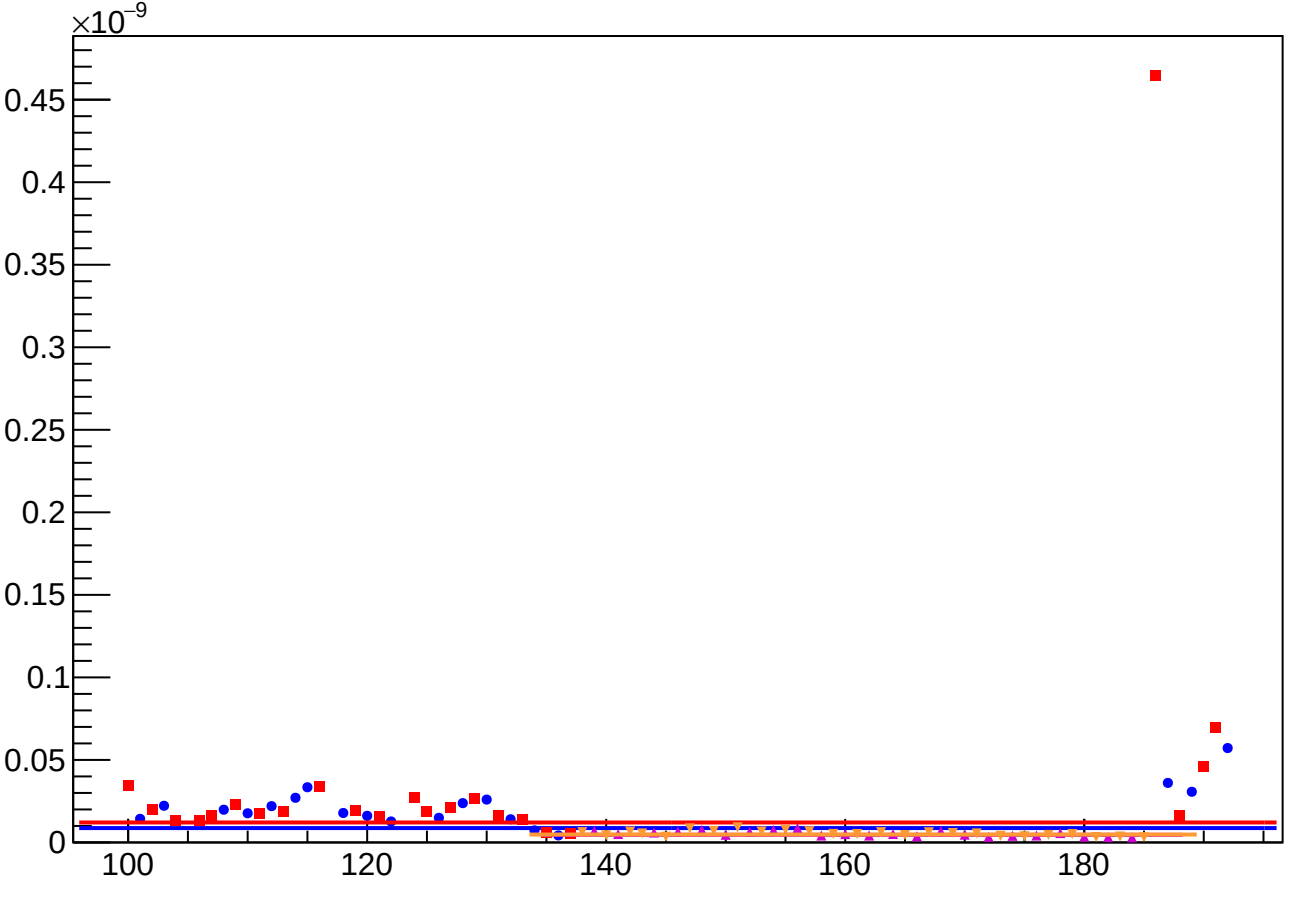
In: 20.932+/-0.003 χ^2/NDF:2990198.9/41

Out: 20.777+/-0.003 χ^2/NDF:4782487.7/47

All: 20.853+/-0.002 χ^2/NDF: 7774056.7/89


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 26.3/18
Left Out: 0.000+/-0.000 χ²/NDF:29.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.0/22
Left In: 0.000+/-0.000 χ²/NDF:20.6/22
Left: 0.000+/-0.000 χ²/NDF: 49.9/47
Right: -0.000+/-0.000 χ²/NDF: 47.6/41
In: 0.000+/-0.000 χ²/NDF:52.0/41
Out: 0.000+/-0.000 χ²/NDF:49.1/47
All: 0.000+/-0.000 χ²/NDF: 101.2/89

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 3625974.1/22

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

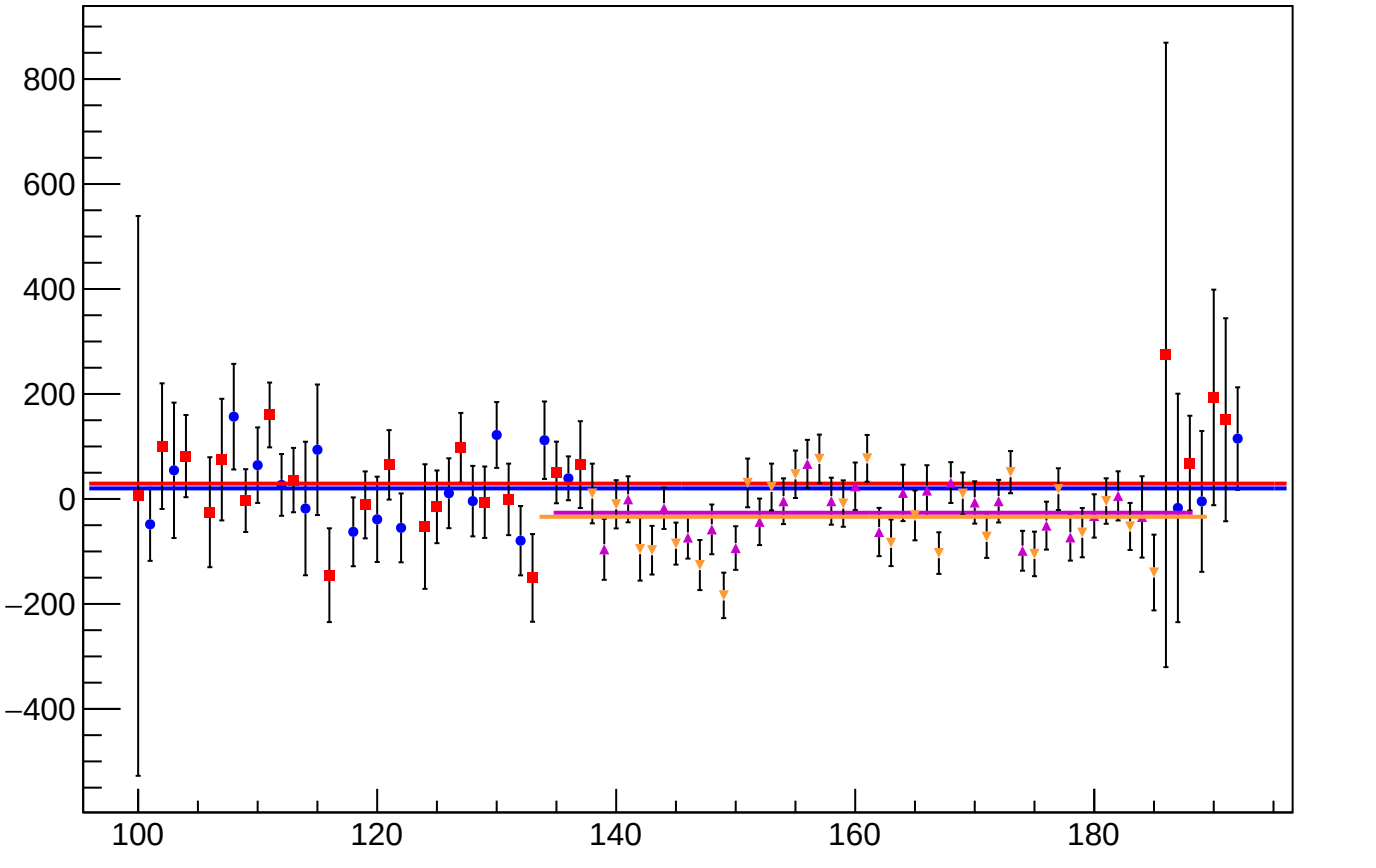
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 9192991.9/41

In: 0.000+/-0.000 χ^2/NDF:8564446.0/41

Out: 0.000+/-0.000 χ^2/NDF:9082301.9/47

All: 0.000+/-0.000 χ^2/NDF: 17683717.4/89



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: 29.233+/-16.896 χ^2/NDF: 19.3/22

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

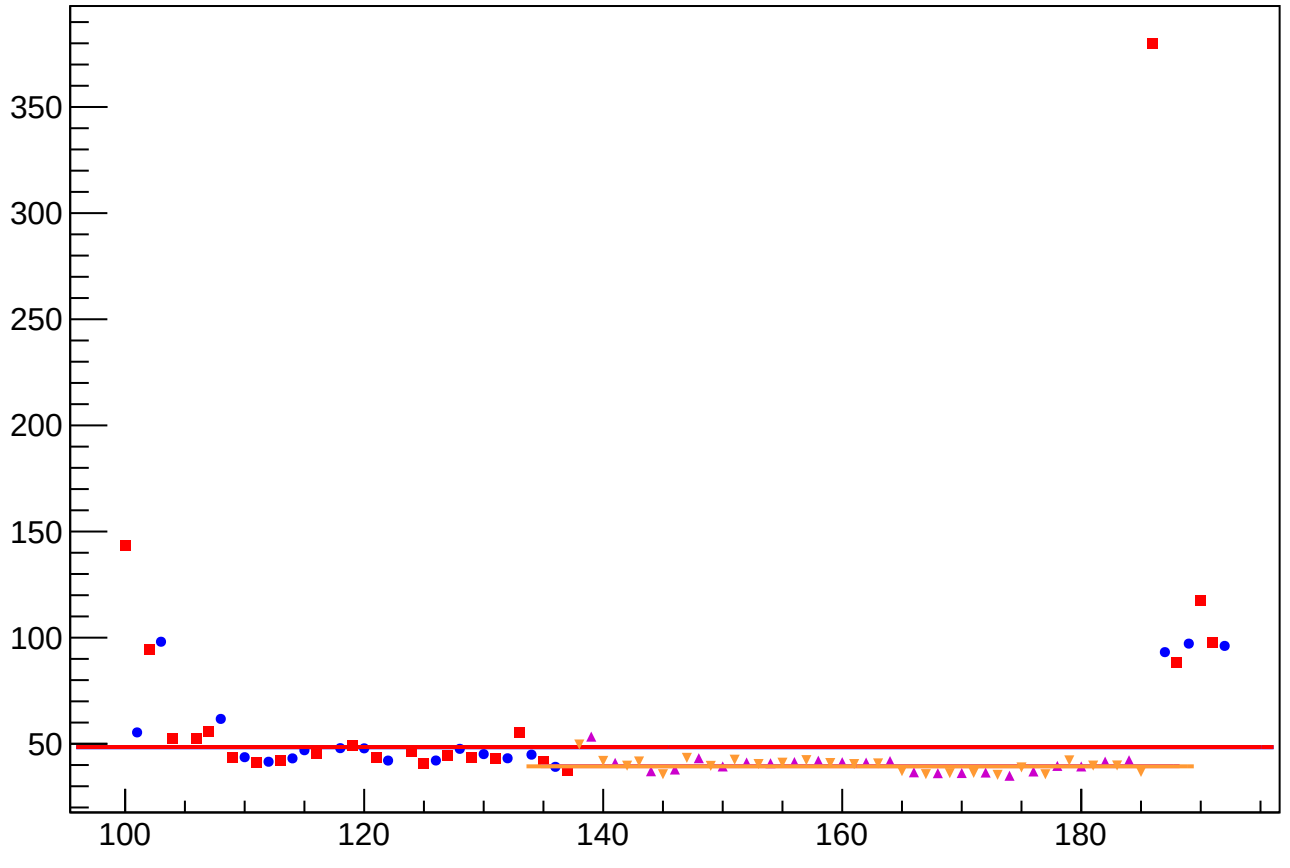
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 24.684+/-11.986 χ^2/NDF: 34.4/41

In: -15.648+/-8.140 χ^2/NDF:43.2/41

Out: -20.005+/-7.939 χ^2/NDF:88.9/47

All: -17.881+/-5.683 χ^2/NDF: 132.2/89



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: 48.477+/-0.012 χ^2/NDF: 1946306.7/22

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

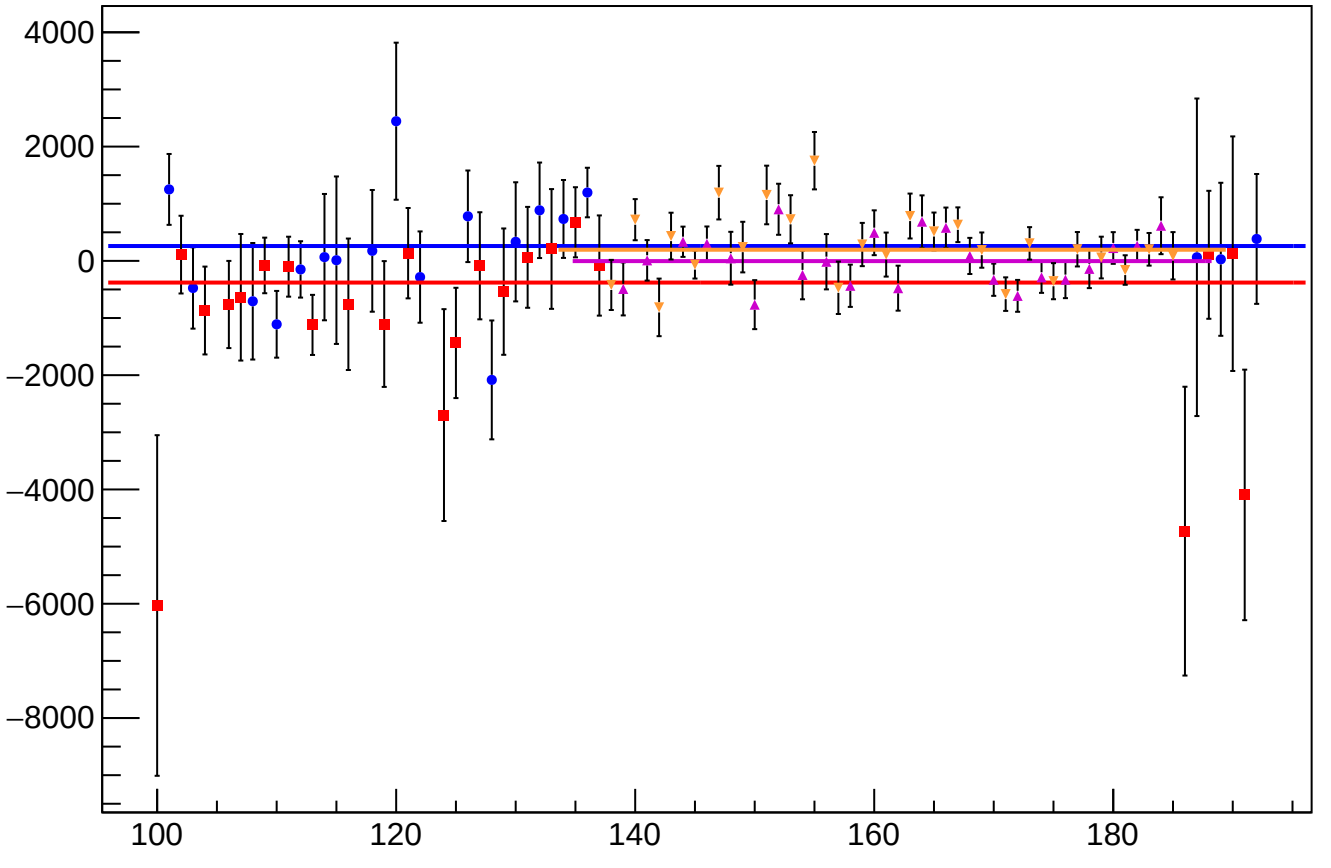
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 48.424+/-0.008 χ^2/NDF: 3320751.4/41

In: 41.525+/-0.006 χ^2/NDF:2046440.4/41

Out: 41.390+/-0.006 χ^2/NDF:2626646.7/47

All: 41.456+/-0.004 χ^2/NDF: 4673368.1/89



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: -379.598+/-176.690 χ^2/NDF: 21.0/22

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

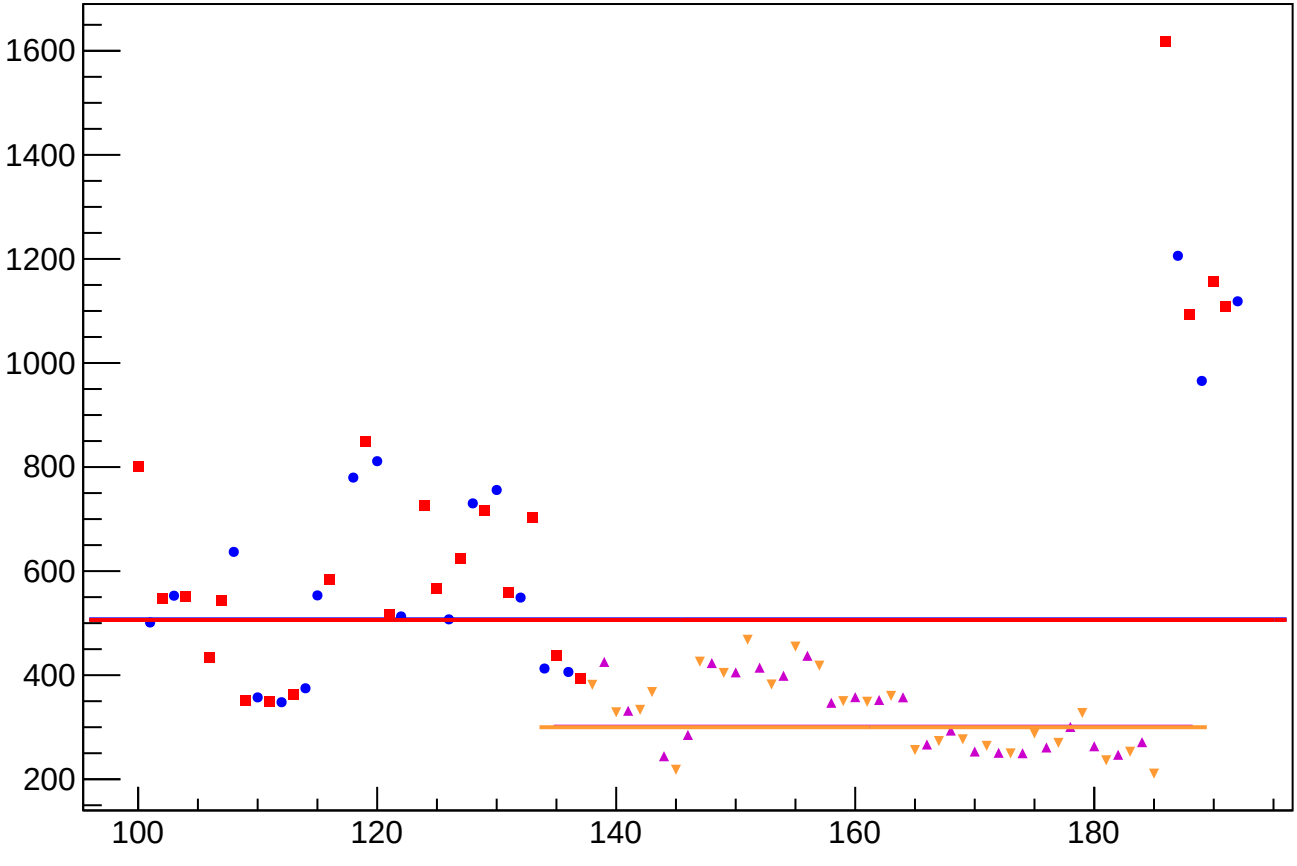
Right: -67.073+/-126.345 χ^2/NDF: 52.5/41

In: 32.119+/-66.873 χ^2/NDF:59.2/41

Out: 116.896+/-65.153 χ^2/NDF:78.8/47

All: 75.611+/-46.666 χ^2/NDF: 138.8/89

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: 506.121+/-0.125 χ^2/NDF: 2352703.1/22

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

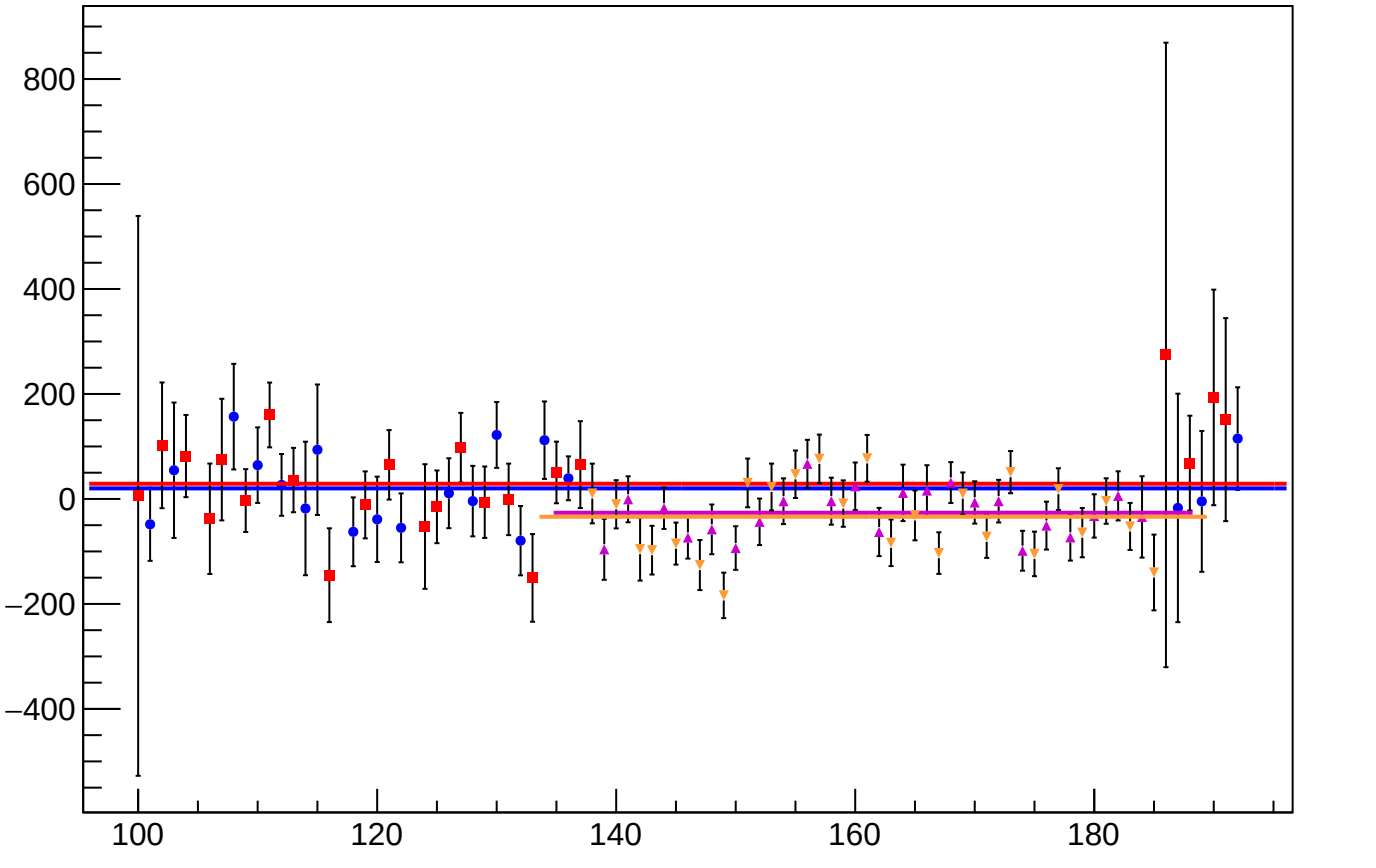
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 506.692+/-0.089 χ^2/NDF: 4291028.8/41

In: 329.241+/-0.047 χ^2/NDF:5594324.7/41

Out: 328.006+/-0.046 χ^2/NDF:6513376.6/47

All: 328.608+/-0.033 χ^2/NDF: 12108051.1/89



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: 28.955+/-16.898 χ^2/NDF: 19.4/22

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

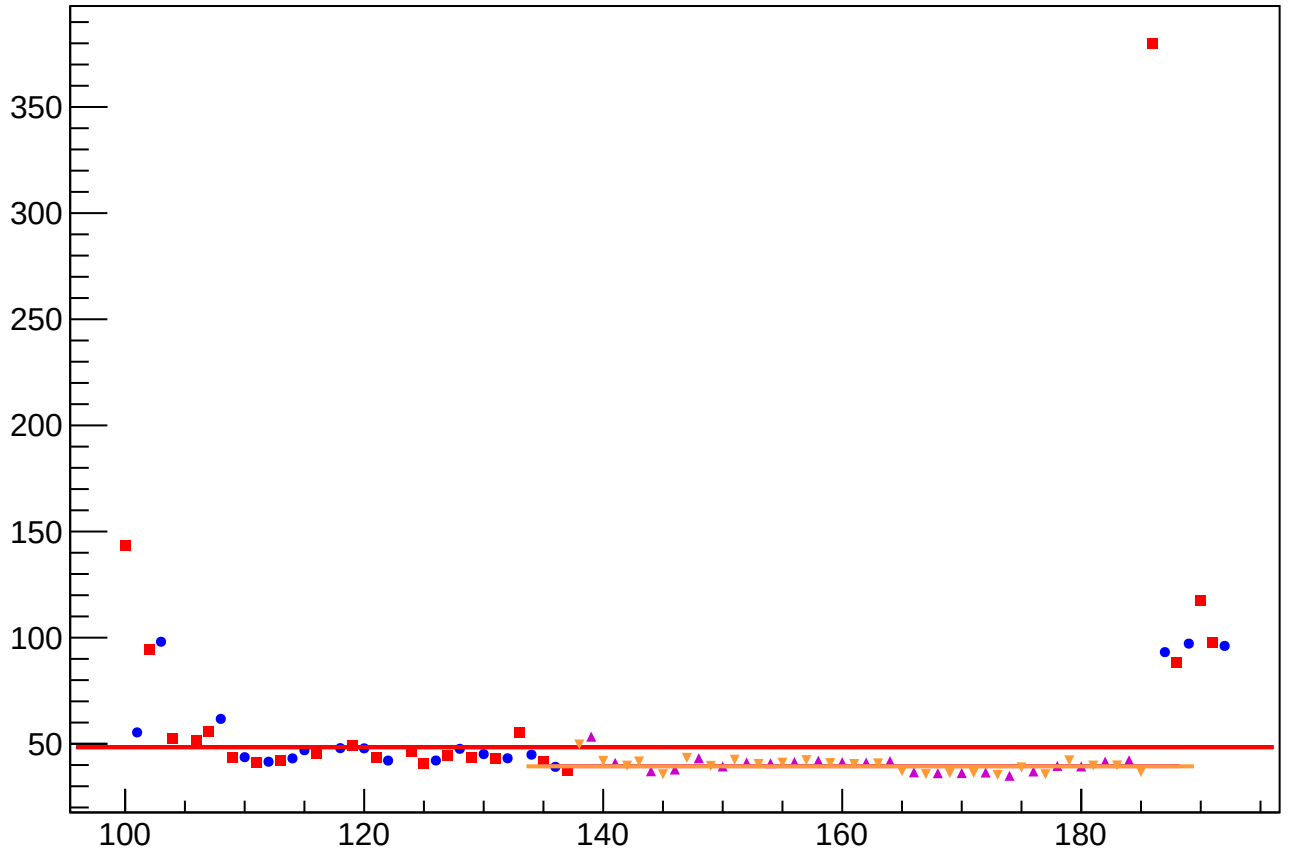
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 24.546+/-11.987 χ^2/NDF: 34.5/41

In: -15.647+/-8.140 χ^2/NDF:43.2/41

Out: -20.069+/-7.939 χ^2/NDF:89.0/47

All: -17.913+/-5.684 χ^2/NDF: 132.3/89



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: 48.455+/-0.012 χ^2/NDF: 1945443.4/22

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

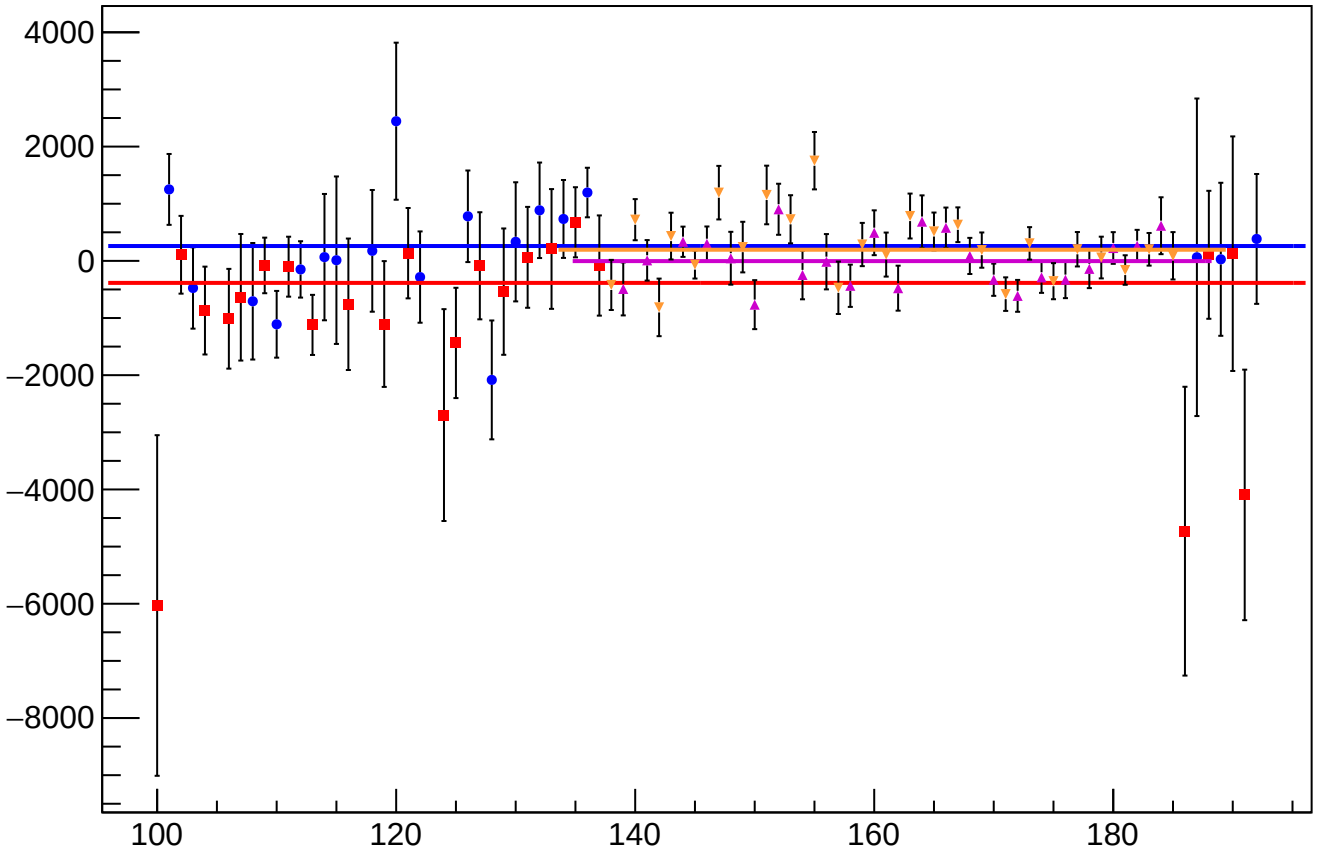
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 48.412+/-0.008 χ^2/NDF: 3319876.3/41

In: 41.525+/-0.006 χ^2/NDF:2046443.3/41

Out: 41.385+/-0.006 χ^2/NDF:2623513.3/47

All: 41.453+/-0.004 χ^2/NDF: 4670259.9/89



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: -385.276+/-177.831 χ^2/NDF: 21.3/22

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

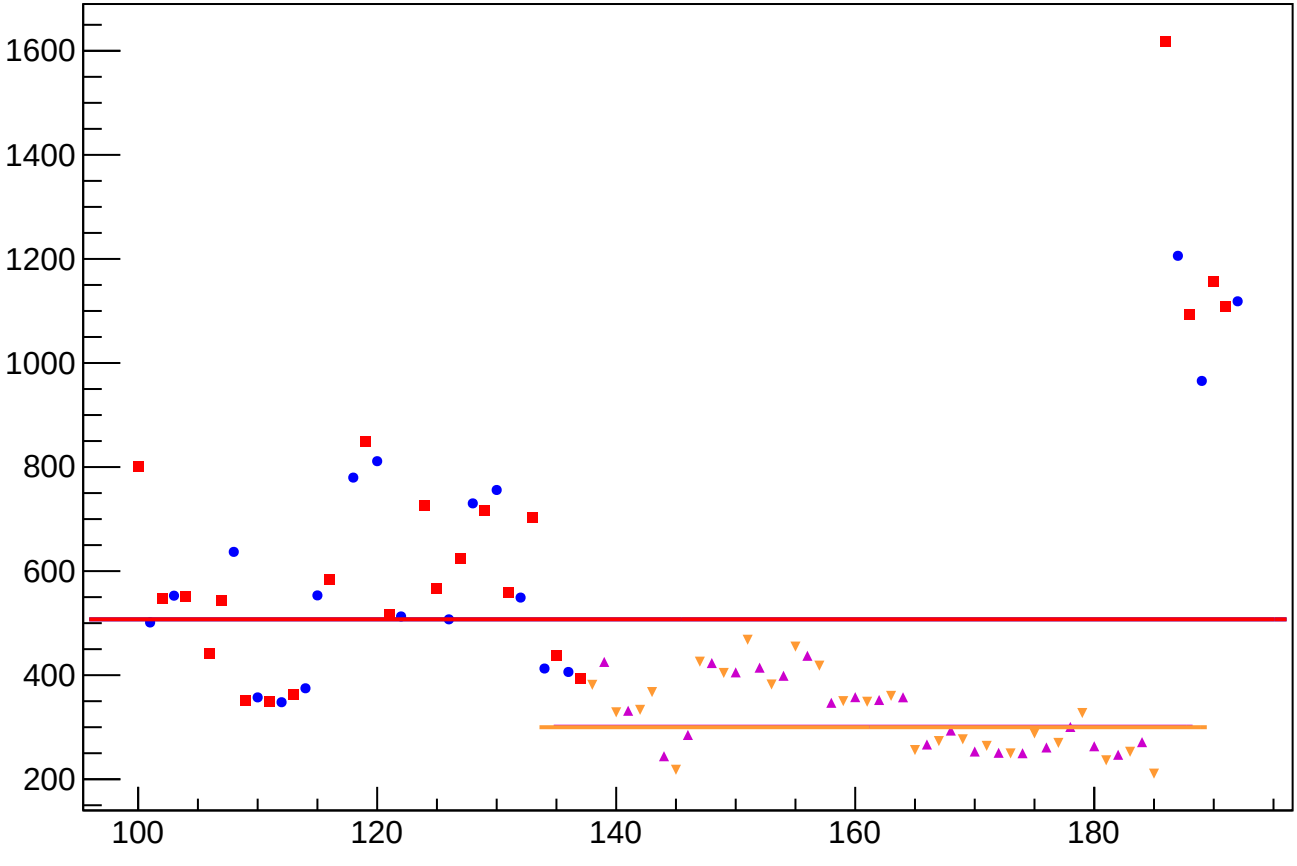
Right: -67.900+/-126.760 χ^2/NDF: 52.8/41

In: 32.120+/-66.873 χ^2/NDF:59.2/41

Out: 116.997+/-65.210 χ^2/NDF:79.1/47

All: 75.626+/-46.687 χ^2/NDF: 139.2/89

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: 507.372+/-0.126 χ^2/NDF: 2345905.9/22

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

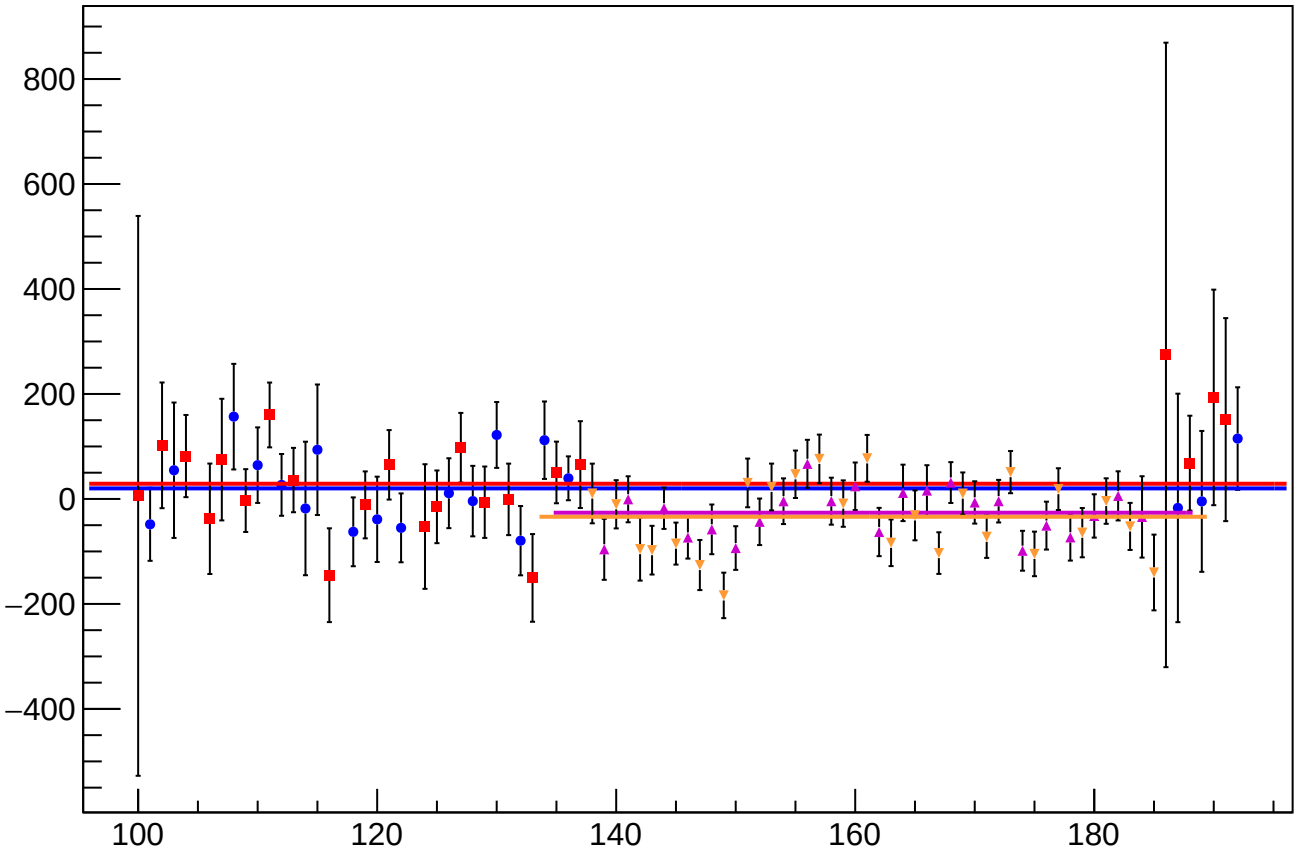
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 507.332+/-0.090 χ^2/NDF: 4284210.8/41

In: 329.241+/-0.047 χ^2/NDF:5594386.8/41

Out: 327.864+/-0.046 χ^2/NDF:6508858.2/47

All: 328.535+/-0.033 χ^2/NDF: 12103679.5/89



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: 28.955+/-16.898 χ^2/NDF: 19.4/22

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

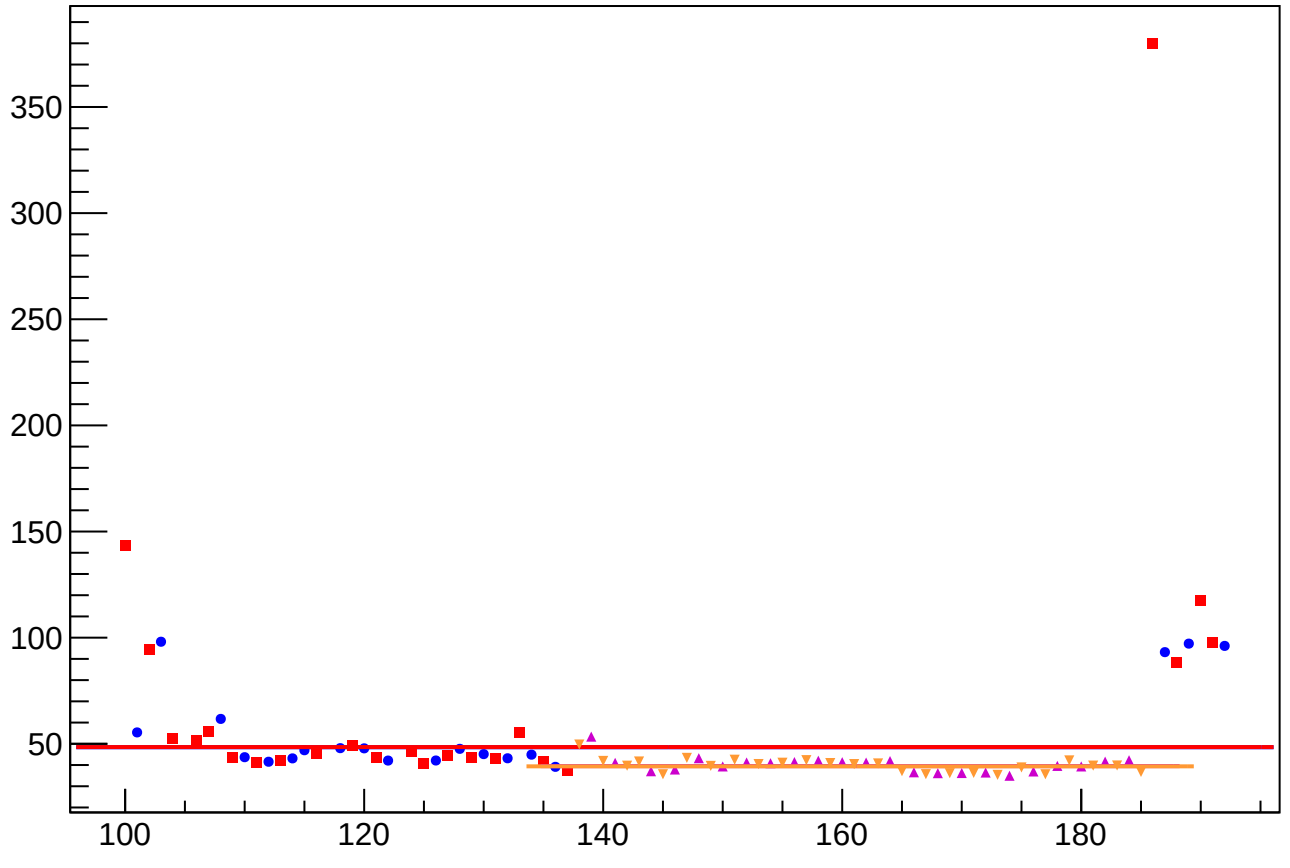
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 24.546+/-11.987 χ^2/NDF: 34.5/41

In: -15.647+/-8.140 χ^2/NDF:43.2/41

Out: -20.069+/-7.939 χ^2/NDF:89.0/47

All: -17.913+/-5.684 χ^2/NDF: 132.3/89



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: 48.455+/-0.012 χ^2/NDF: 1945443.4/22

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

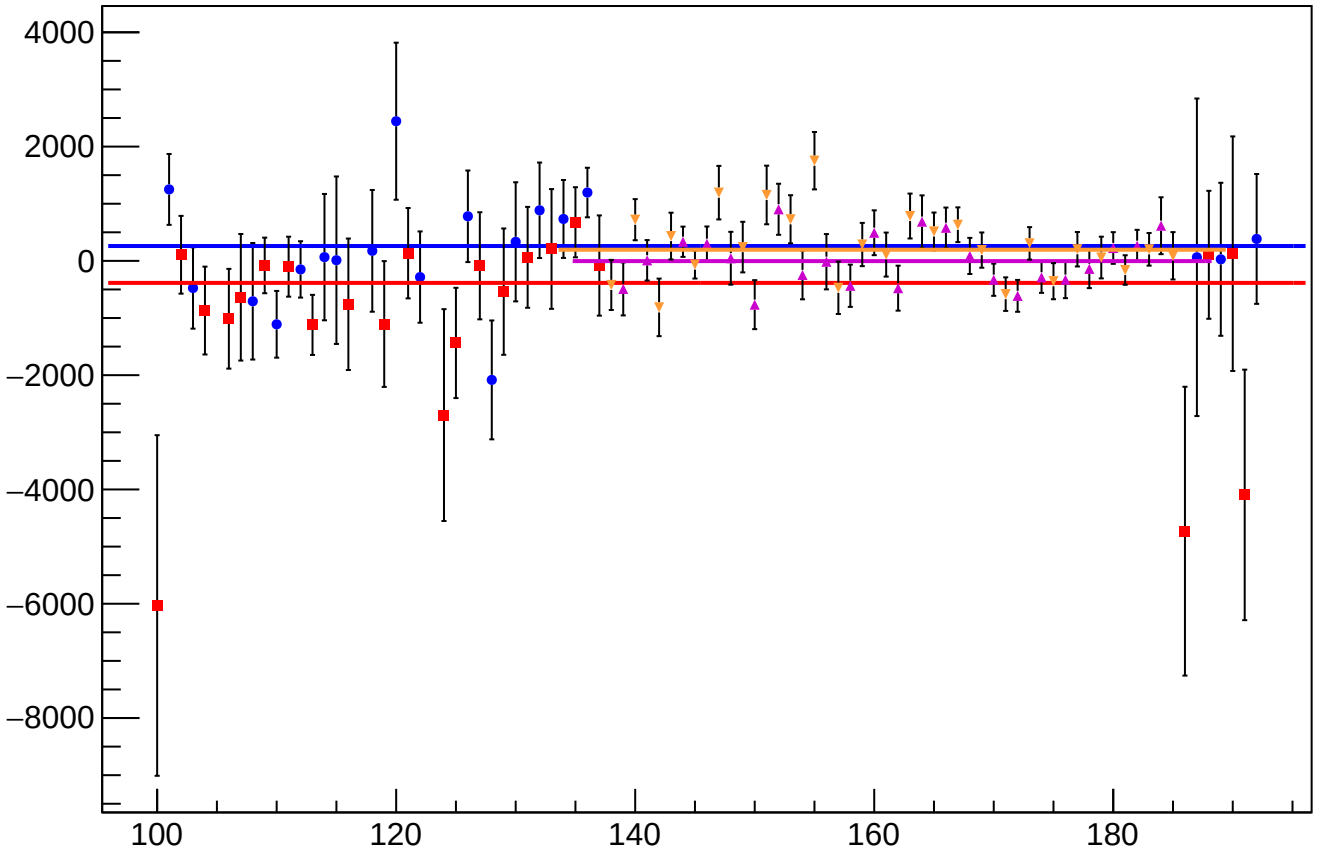
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 48.412+/-0.008 χ^2/NDF: 3319876.3/41

In: 41.525+/-0.006 χ^2/NDF:2046443.3/41

Out: 41.385+/-0.006 χ^2/NDF:2623513.3/47

All: 41.453+/-0.004 χ^2/NDF: 4670259.9/89



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: -385.276+/-177.831 χ^2/NDF: 21.3/22

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

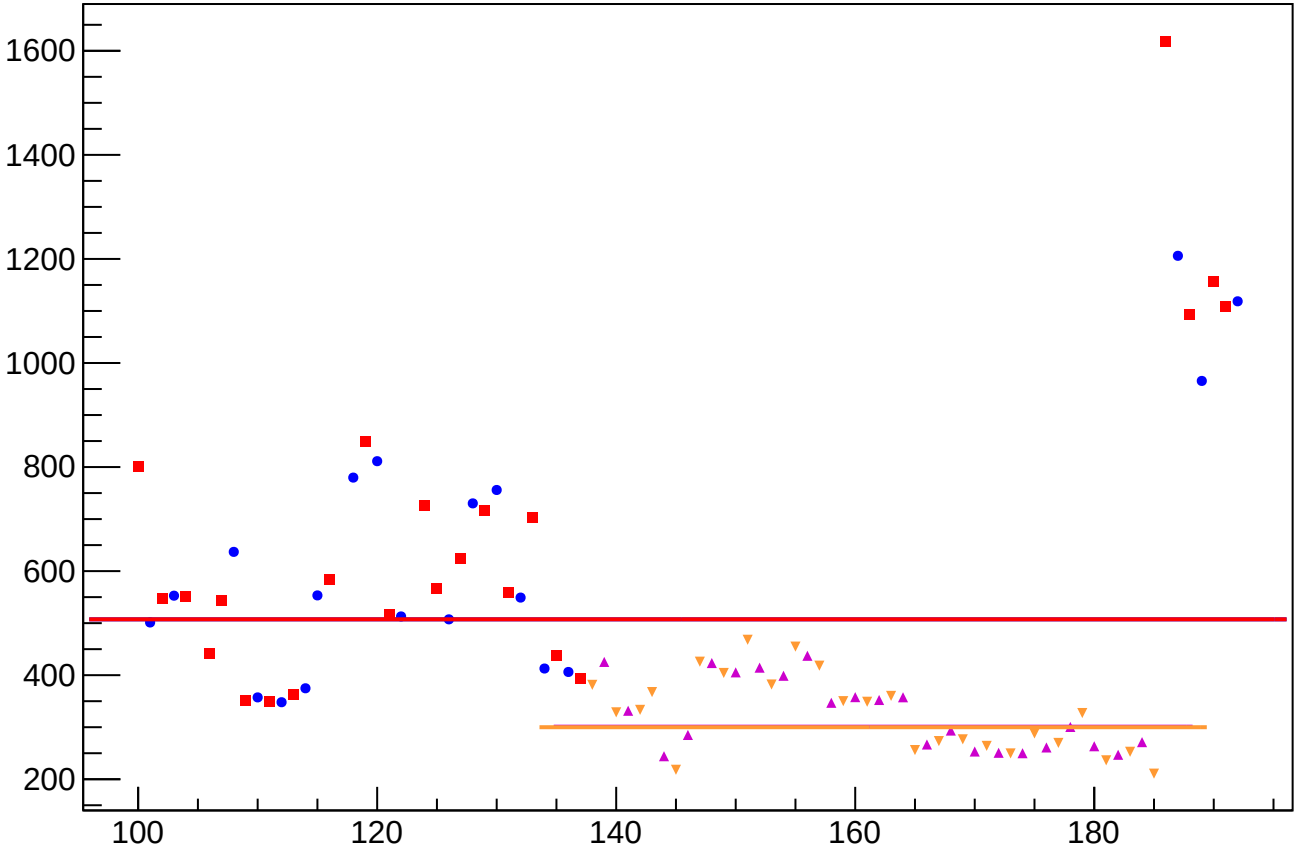
Right: -67.900+/-126.760 χ^2/NDF: 52.8/41

In: 32.120+/-66.873 χ^2/NDF:59.2/41

Out: 116.997+/-65.210 χ^2/NDF:79.1/47

All: 75.626+/-46.687 χ^2/NDF: 139.2/89

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: 507.372+/-0.126 χ^2/NDF: 2345905.9/22

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

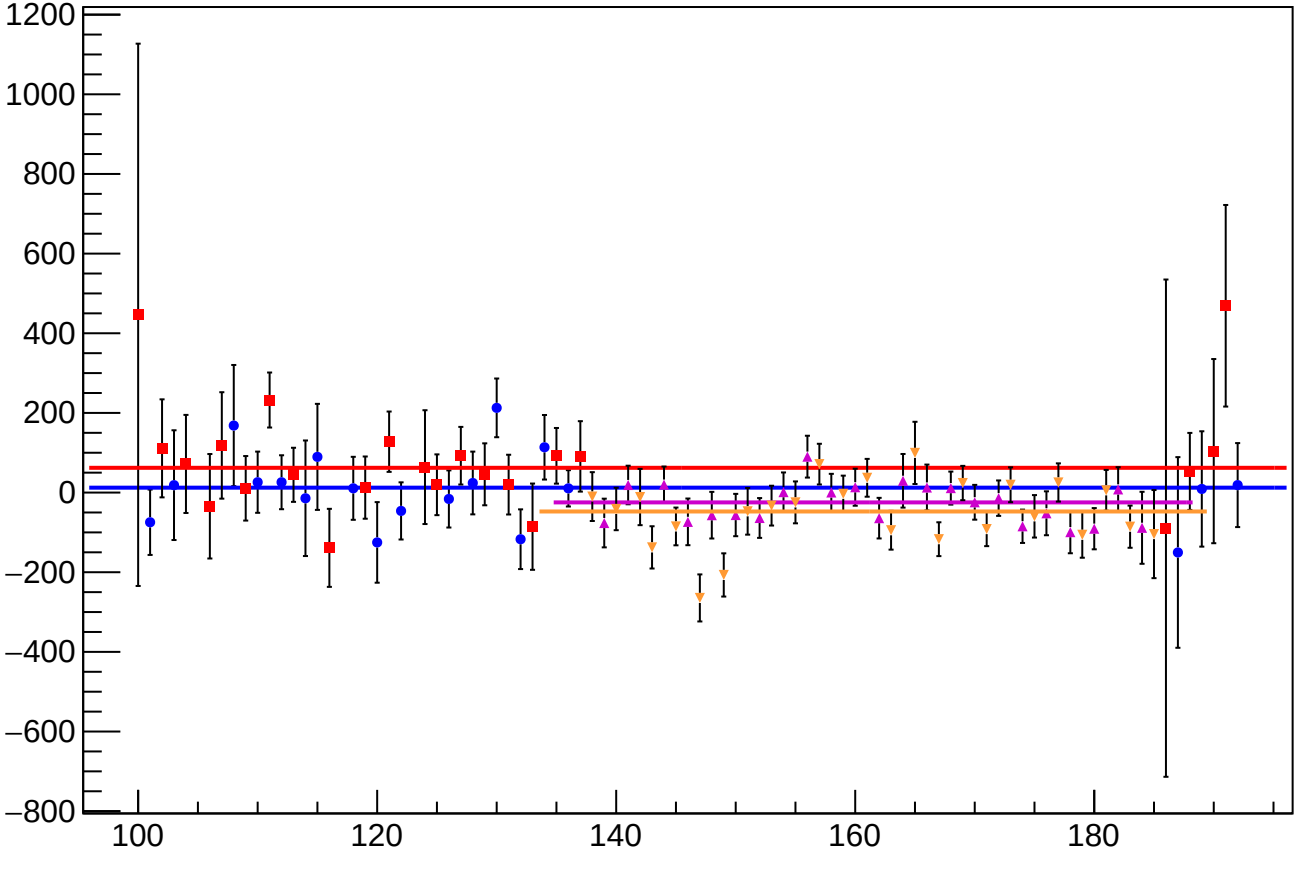
Right: 507.332+/-0.090 χ^2/NDF: 4284210.8/41

In: 329.241+/-0.047 χ^2/NDF:5594386.8/41

Out: 327.864+/-0.046 χ^2/NDF:6508858.2/47

All: 328.535+/-0.033 χ^2/NDF: 12103679.5/89

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: 62.175+/-19.663 χ^2/NDF: 18.8/22

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

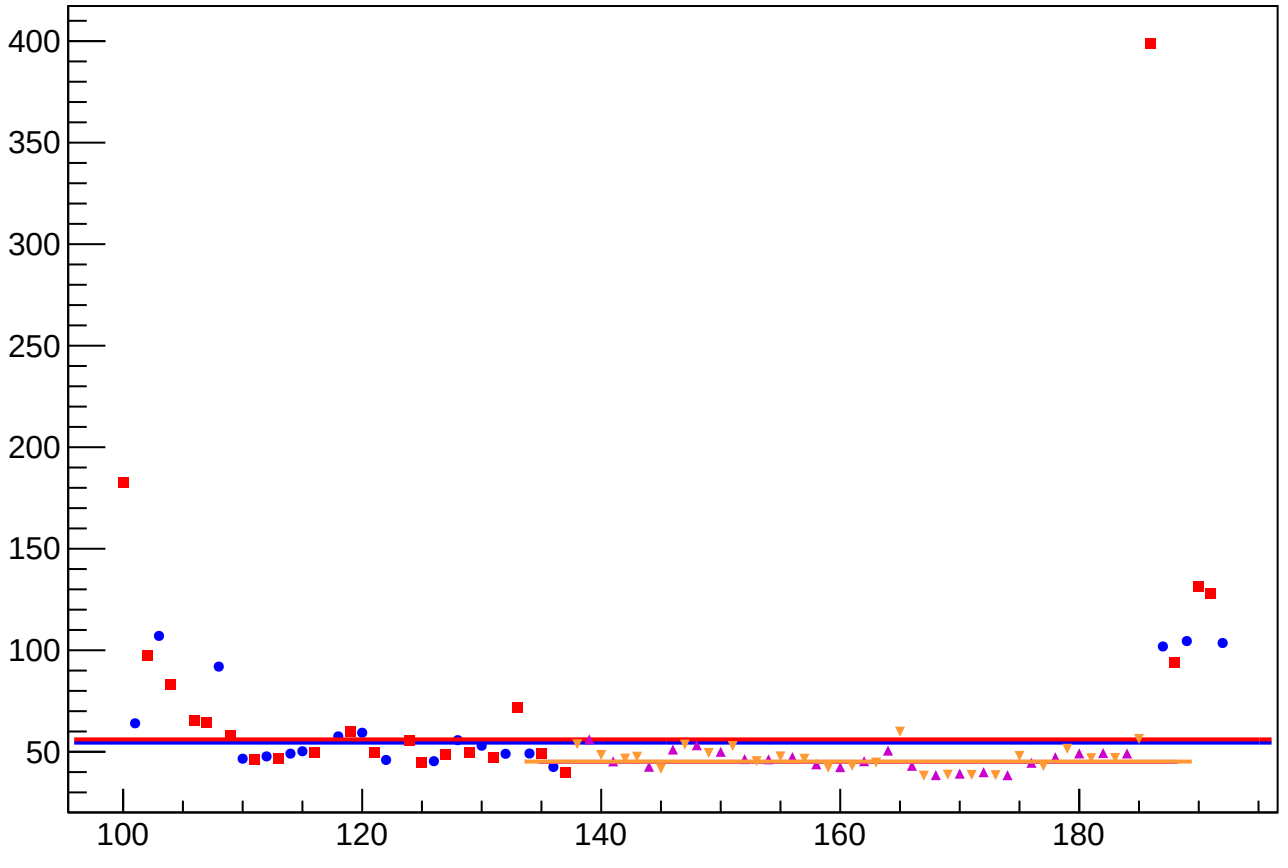
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 36.741+/-13.763 χ^2/NDF: 39.8/41

In: -16.016+/-9.328 χ^2/NDF:40.2/41

Out: -23.539+/-9.188 χ^2/NDF:97.8/47

All: -19.834+/-6.546 χ^2/NDF: 138.3/89



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: 56.098+/-0.014 χ^2/NDF: 2043214.5/22

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

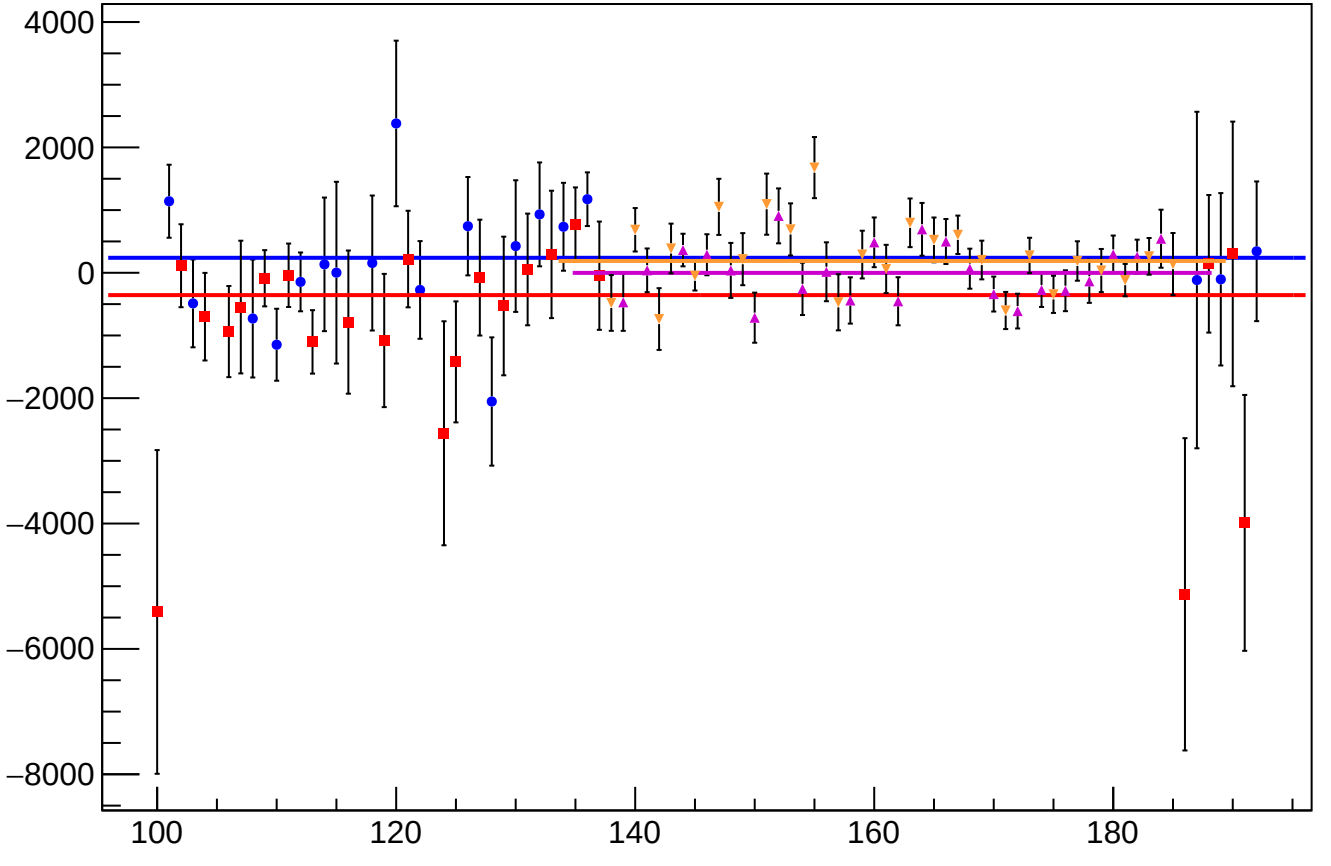
Right: 55.288+/-0.010 χ^2/NDF: 3512634.6/41

In: 47.242+/-0.007 χ^2/NDF:2207045.1/41

Out: 47.560+/-0.006 χ^2/NDF:3015494.6/47

All: 47.403+/-0.005 χ^2/NDF: 5223721.1/89

asym_sam_15_37_dd_dit_correction_mean vs Slug, Sign Corrected



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: -356.168+/-169.942 χ^2/NDF: 23.7/22

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

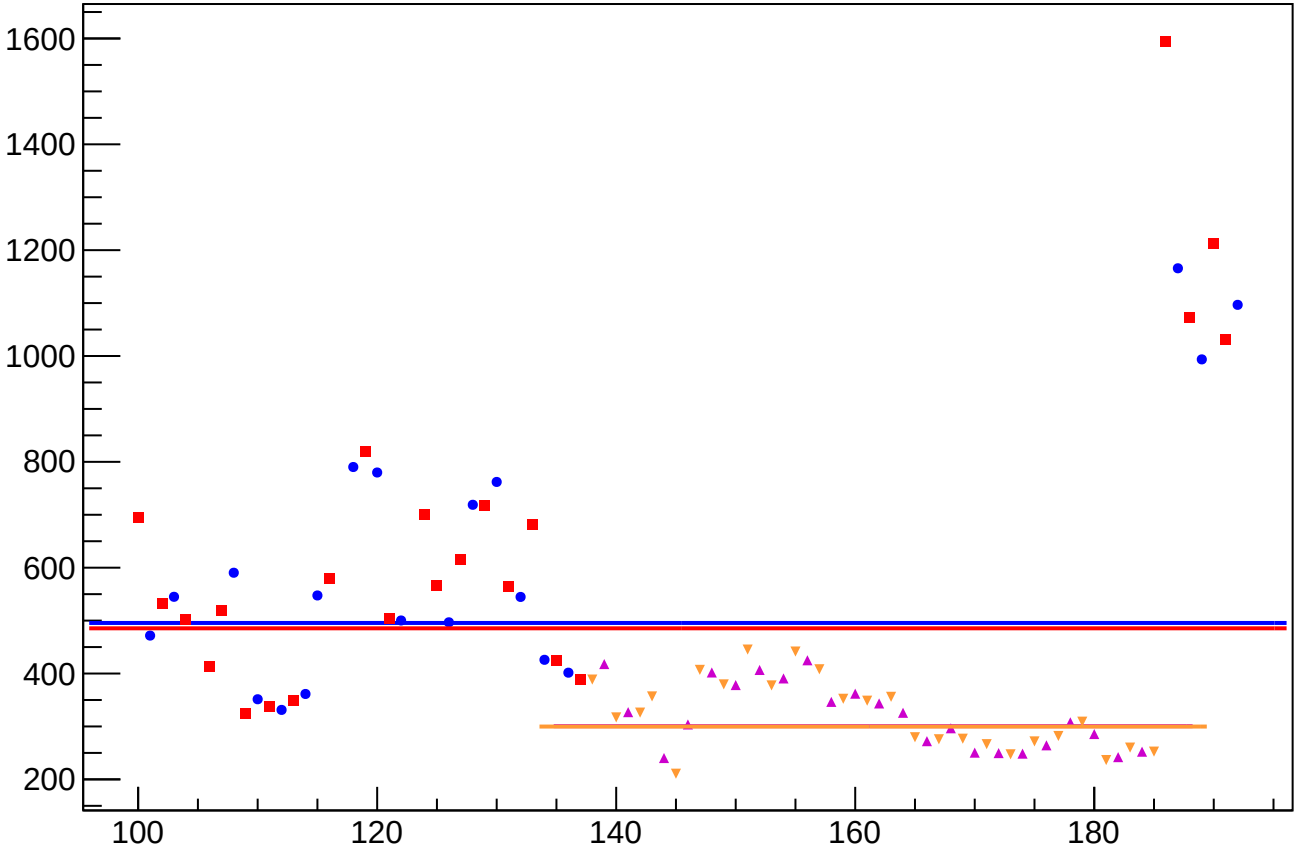
Right: -70.116+/-122.475 χ^2/NDF: 55.2/41

In: 32.391+/-66.447 χ^2/NDF:59.5/41

Out: 110.313+/-64.498 χ^2/NDF:79.2/47

All: 72.512+/-46.280 χ^2/NDF: 139.4/89

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



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: 485.429+/-0.120 χ^2/NDF: 2487707.6/22

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

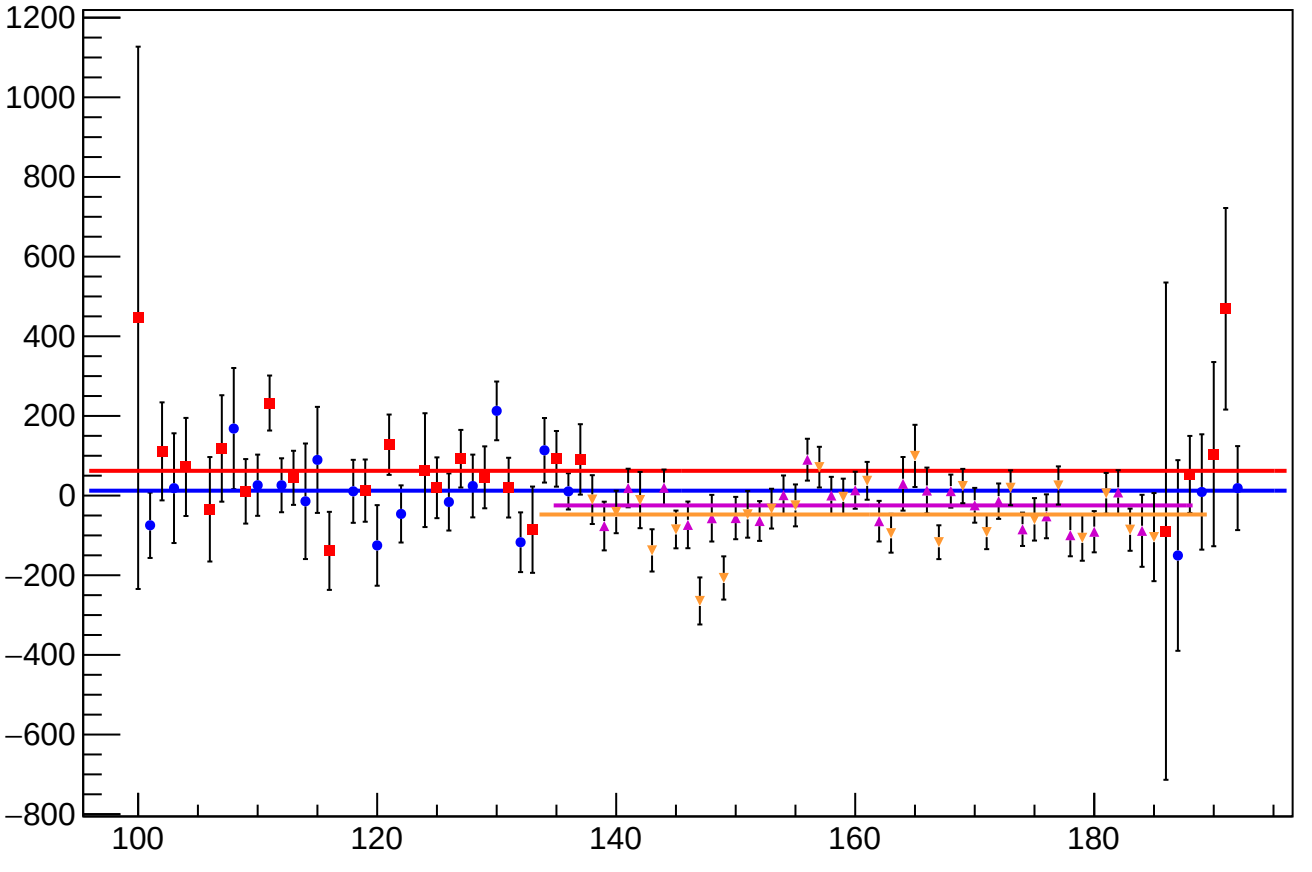
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 490.302+/-0.087 χ^2/NDF: 4489513.9/41

In: 328.133+/-0.047 χ^2/NDF:5350149.0/41

Out: 326.537+/-0.046 χ^2/NDF:6107703.6/47

All: 327.311+/-0.033 χ^2/NDF: 11458447.0/89



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: 62.176+/-19.663 χ^2/NDF: 18.8/22

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

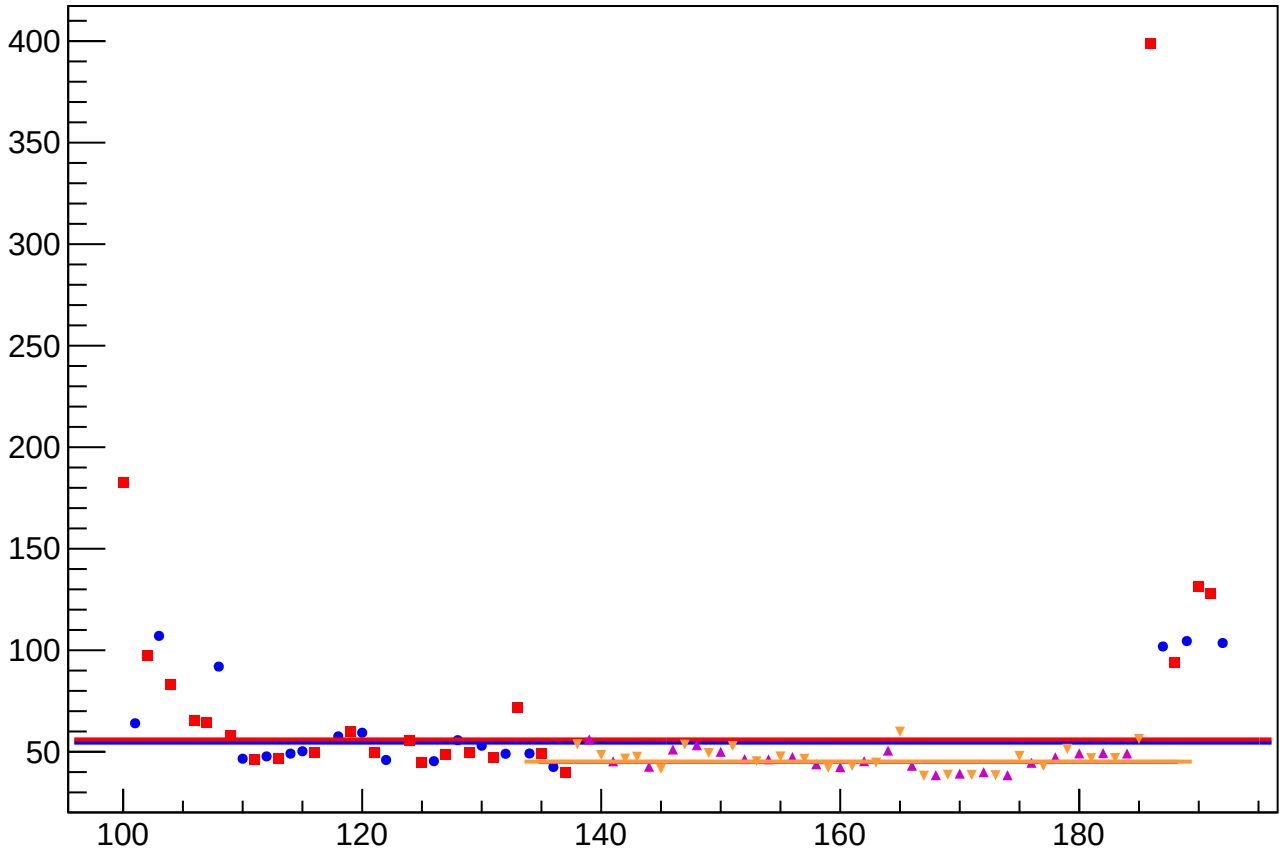
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 36.741+/-13.763 χ^2/NDF: 39.8/41

In: -16.016+/-9.328 χ^2/NDF:40.2/41

Out: -23.539+/-9.188 χ^2/NDF:97.8/47

All: -19.834+/-6.546 χ^2/NDF: 138.3/89



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: 56.098+/-0.014 χ^2/NDF: 2043227.3/22

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

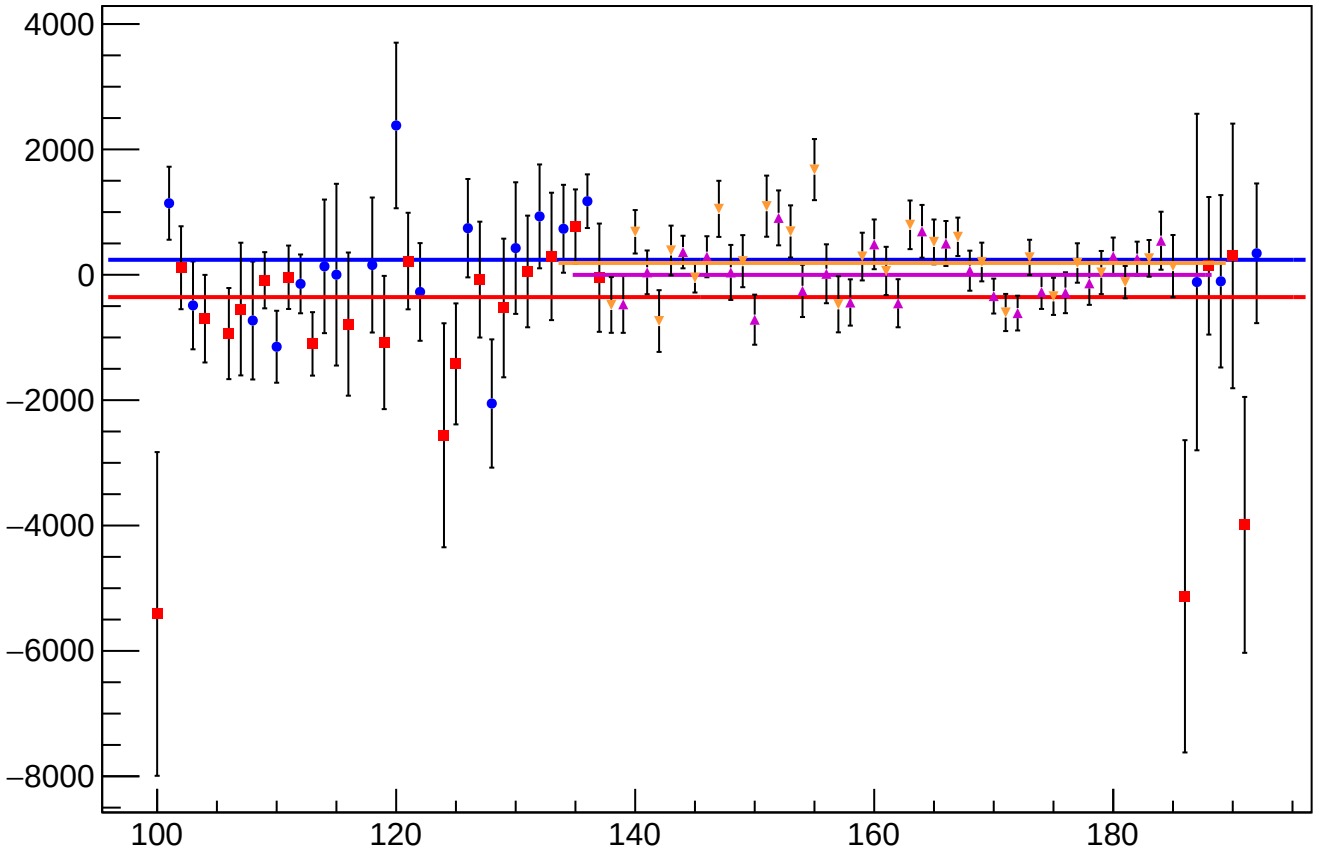
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 55.288+/-0.010 χ^2/NDF: 3512655.7/41

In: 47.242+/-0.007 χ^2/NDF:2207052.4/41

Out: 47.560+/-0.006 χ^2/NDF:3015511.4/47

All: 47.403+/-0.005 χ^2/NDF: 5223745.1/89



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: -356.168+/-169.942 χ^2/NDF: 23.7/22

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

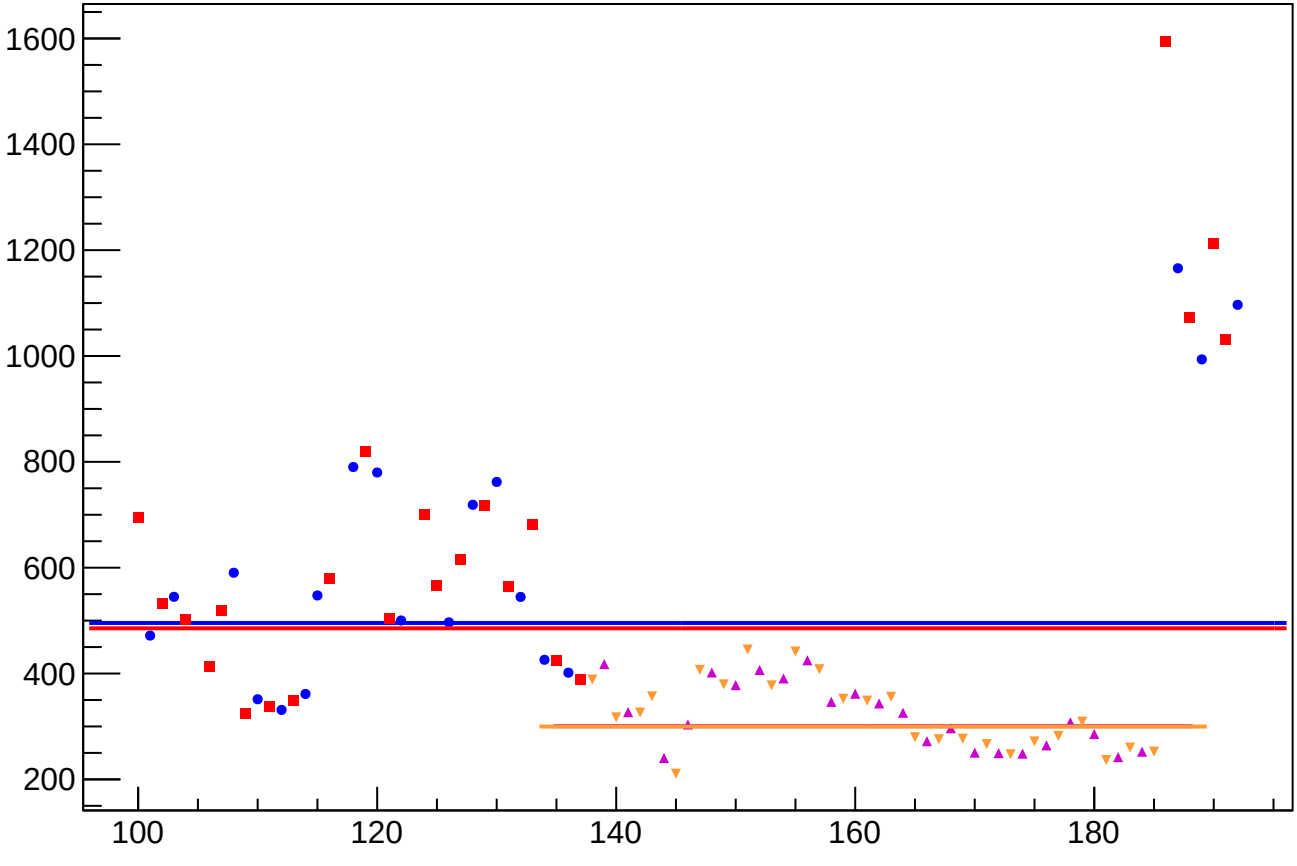
Right: -70.117+/-122.475 χ^2/NDF: 55.2/41

In: 32.392+/-66.447 χ^2/NDF:59.5/41

Out: 110.313+/-64.498 χ^2/NDF:79.2/47

All: 72.512+/-46.281 χ^2/NDF: 139.4/89

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: 485.428+/-0.120 χ^2/NDF: 2487704.1/22

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

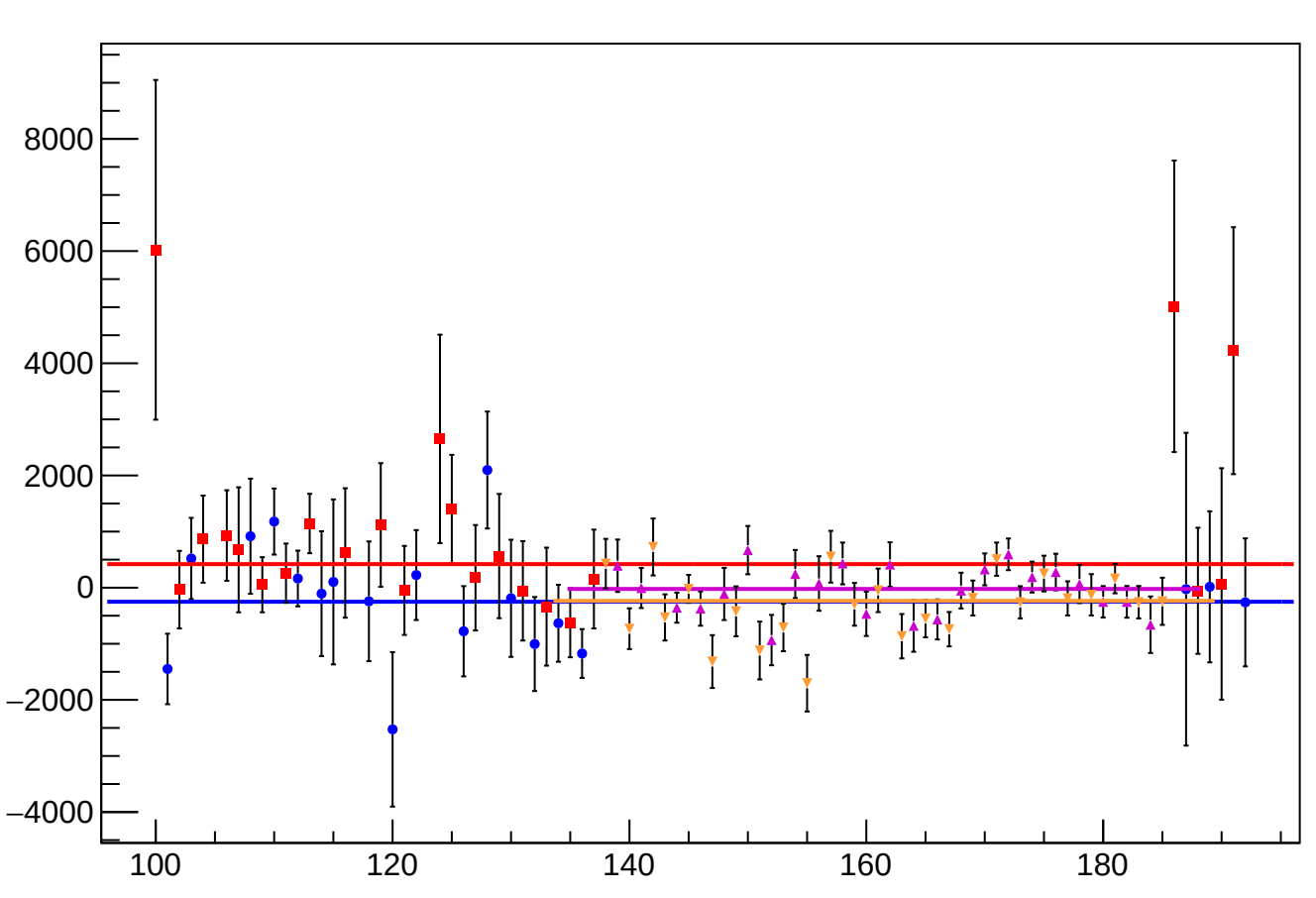
Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

Right: 490.301+/-0.087 χ^2/NDF: 4489514.3/41

In: 328.133+/-0.047 χ^2/NDF:5350125.6/41

Out: 326.537+/-0.046 χ^2/NDF:6107684.5/47

All: 327.311+/-0.033 χ^2/NDF: 11458404.7/89



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: 419.935+/-178.313 χ^2/NDF: 20.6/22

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

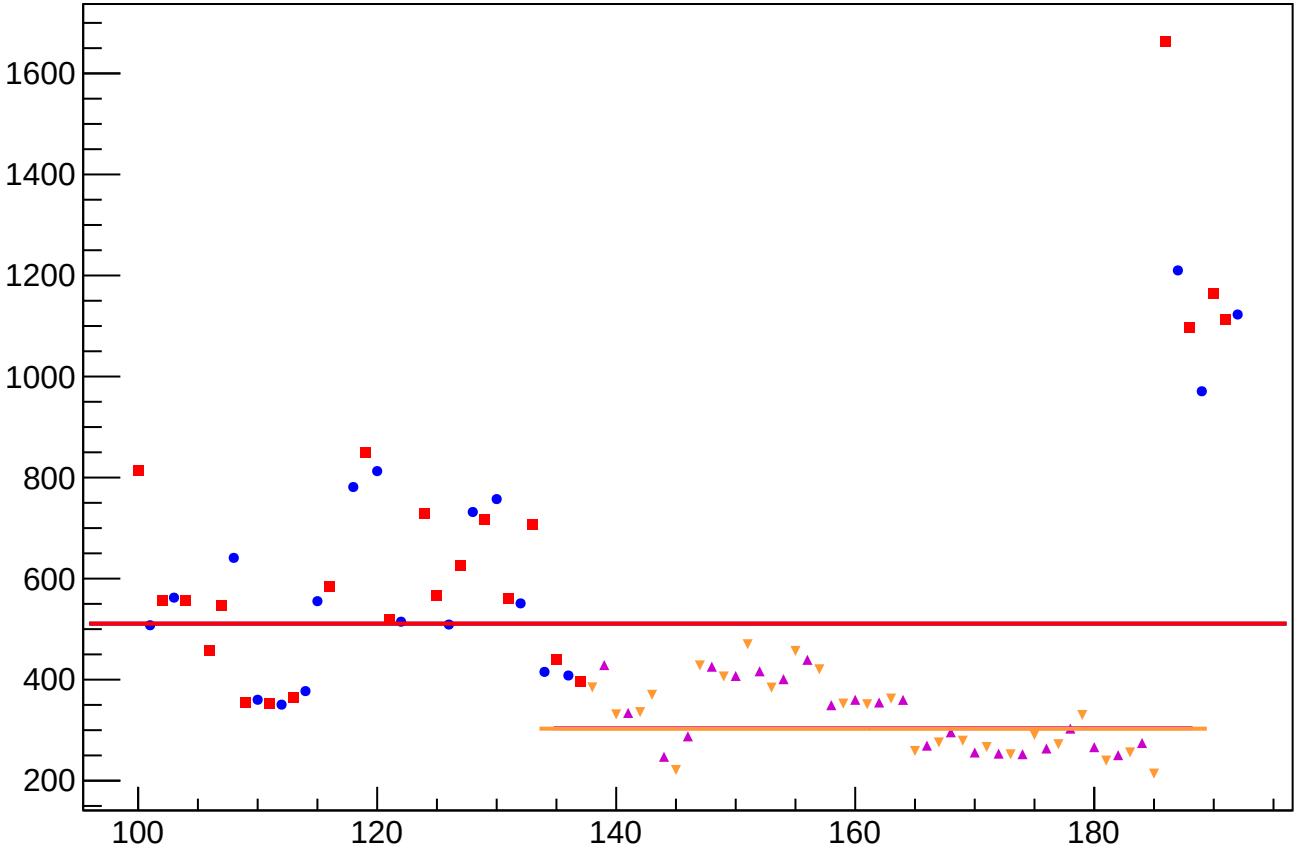
Right: 91.248+/-127.347 χ^2/NDF: 54.5/41

In: -54.049+/-67.463 χ^2/NDF:58.2/41

Out: -146.082+/-65.756 χ^2/NDF:79.7/47

All: -101.245+/-47.088 χ^2/NDF: 138.9/89

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: 510.930+/-0.126 χ^2/NDF: 2338282.8/22

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

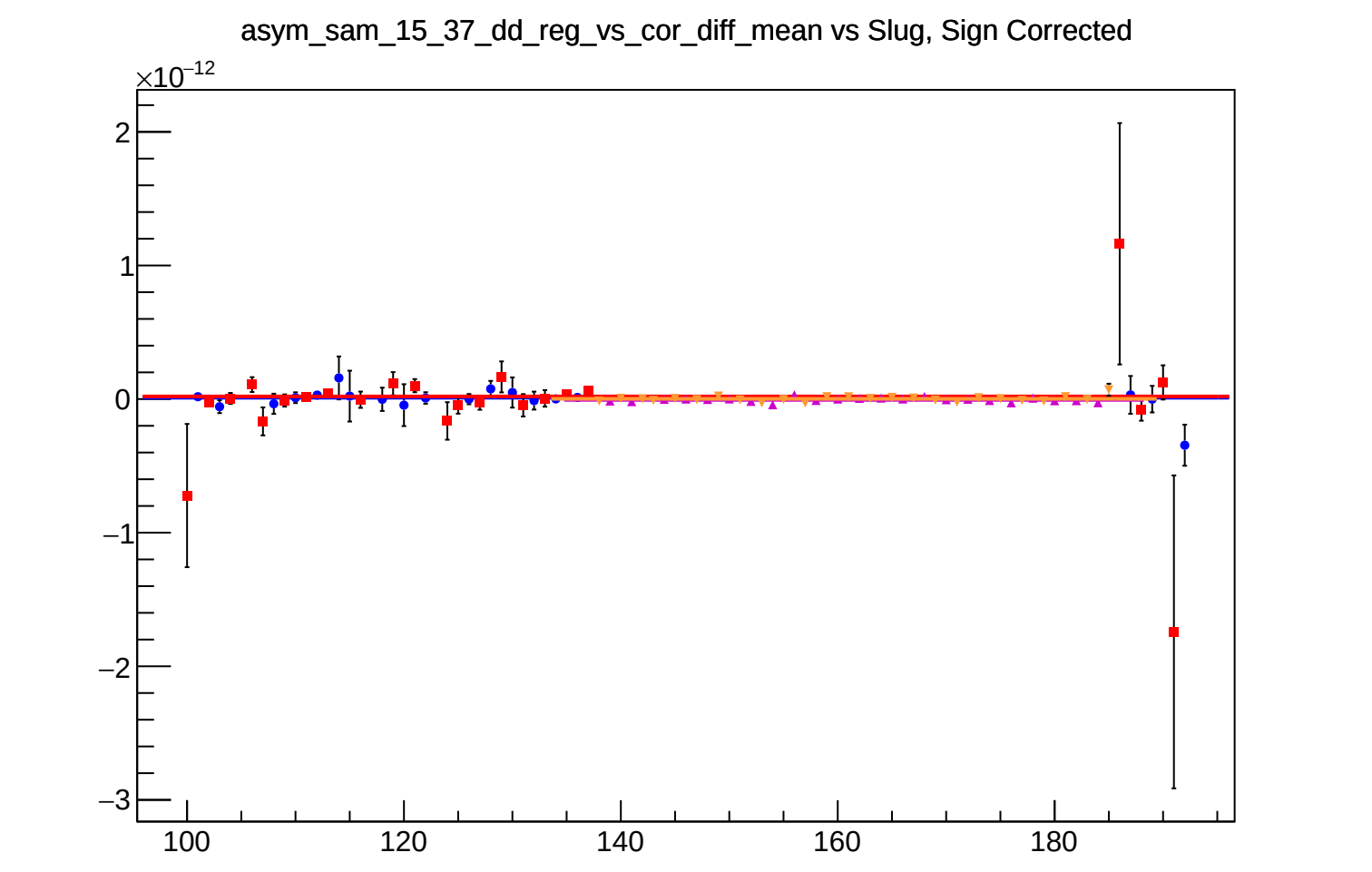
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 510.876+/-0.090 χ^2/NDF: 4265984.6/41

In: 332.372+/-0.048 χ^2/NDF:5534809.8/41

Out: 331.227+/-0.046 χ^2/NDF:6455371.3/47

All: 331.785+/-0.033 χ^2/NDF: 11990476.1/89



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: 29.6/22

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

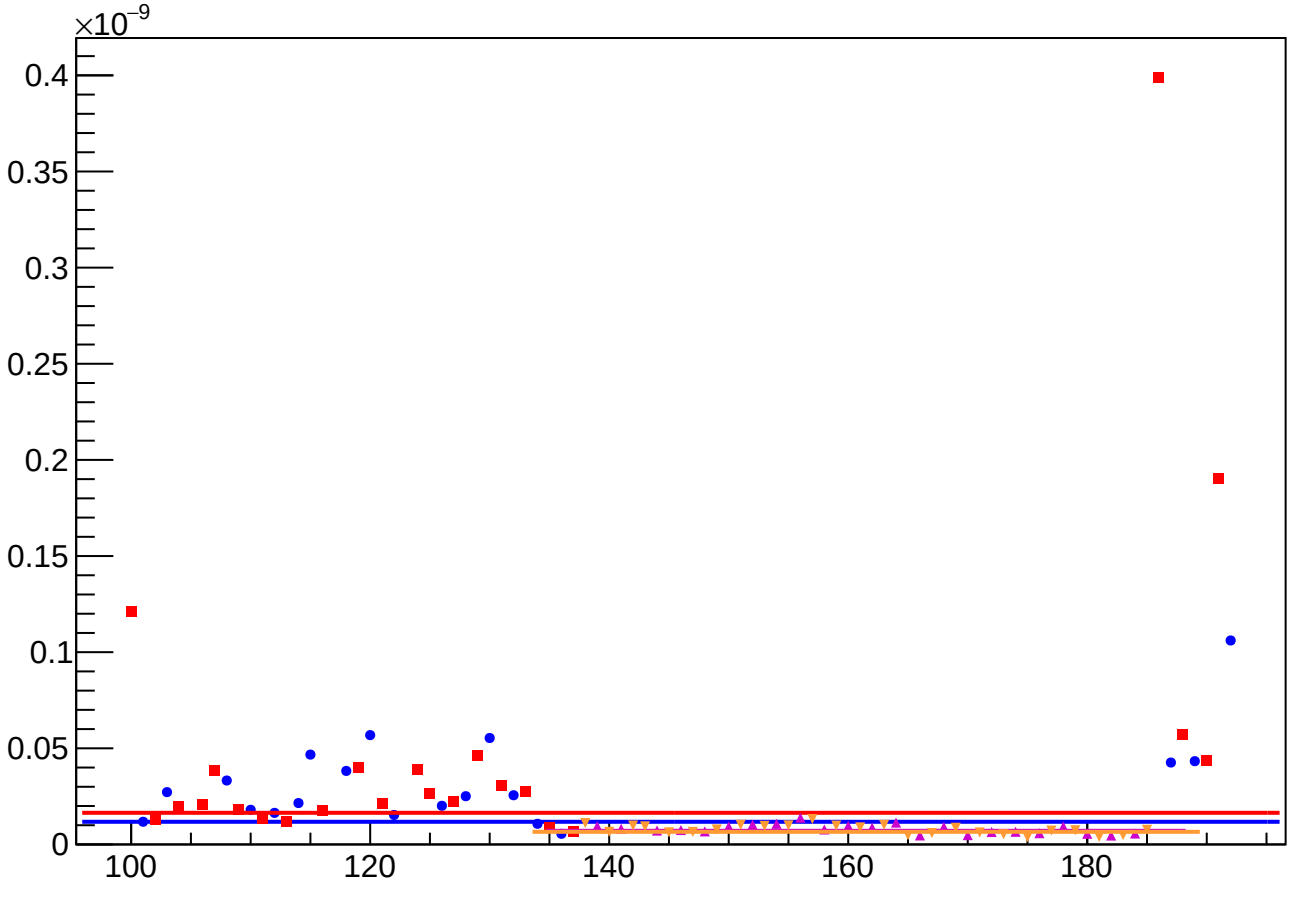
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 41.0/41

In: -0.000+/-0.000 χ^2/NDF:32.9/41

Out: 0.000+/-0.000 χ^2/NDF:55.4/47

All: -0.000+/-0.000 χ^2/NDF: 92.1/89



Right In: 0.000+/-0.000 χ^2/NDF: 3162378.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2167482.8/22

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

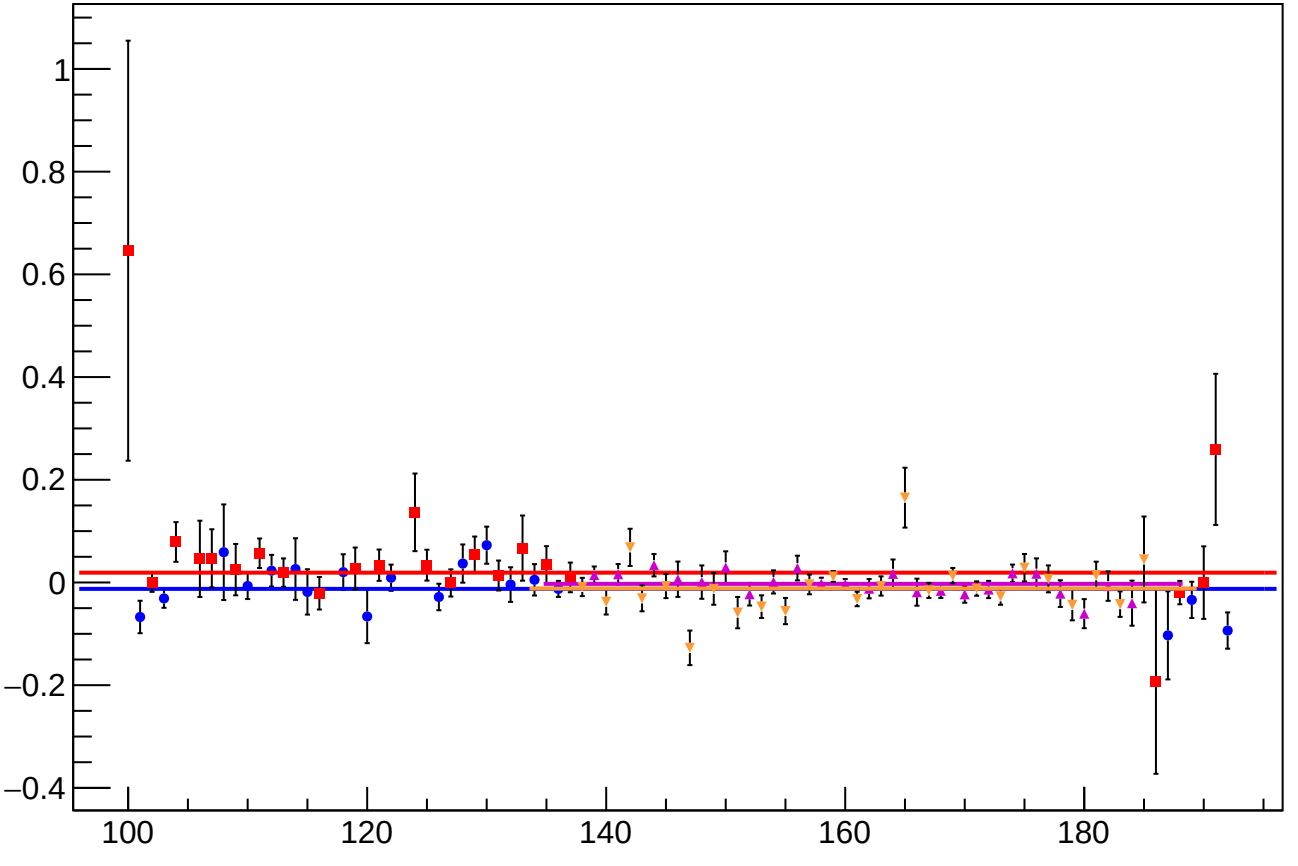
Right: 0.000+/-0.000 χ^2/NDF: 5592611.7/41

In: 0.000+/-0.000 χ^2/NDF:4762143.3/41

Out: 0.000+/-0.000 χ^2/NDF:5423491.6/47

All: 0.000+/-0.000 χ^2/NDF: 10212778.5/89

asym_sam_15_37_dd_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: 0.019+/-0.007 χ^2/NDF: 22.0/22

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

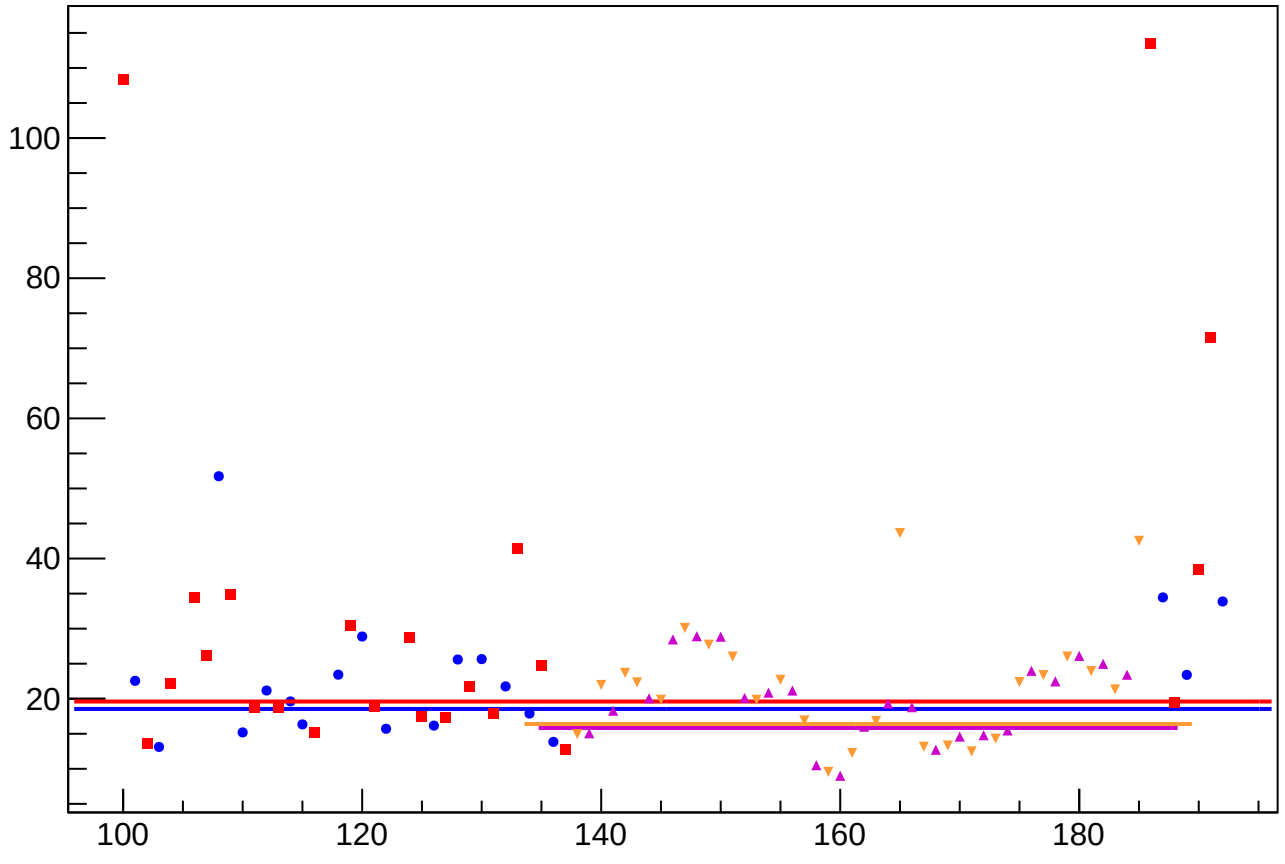
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.002+/-0.005 χ^2/NDF: 55.8/41

In: -0.005+/-0.003 χ^2/NDF:45.2/41

Out: -0.004+/-0.004 χ^2/NDF:89.2/47

All: -0.005+/-0.002 χ^2/NDF: 134.4/89



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: 19.602+/-0.005 χ^2/NDF: 2193524.6/22

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

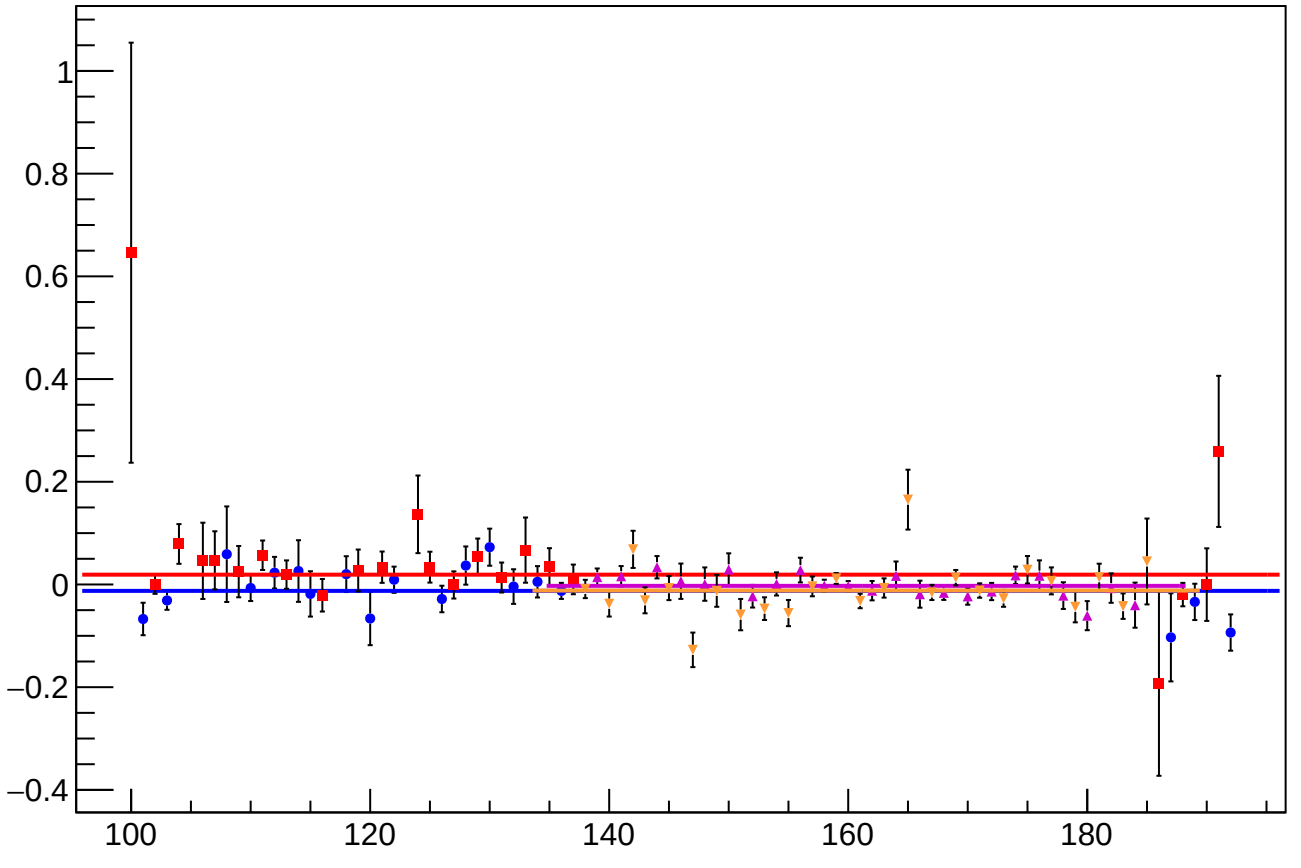
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 19.043+/-0.004 χ^2/NDF: 3727320.8/41

In: 16.518+/-0.002 χ^2/NDF:5397220.3/41

Out: 17.152+/-0.003 χ^2/NDF:6520871.5/47

All: 16.829+/-0.002 χ^2/NDF: 11950579.3/89



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: 0.019+/-0.007 χ^2/NDF: 22.0/22

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

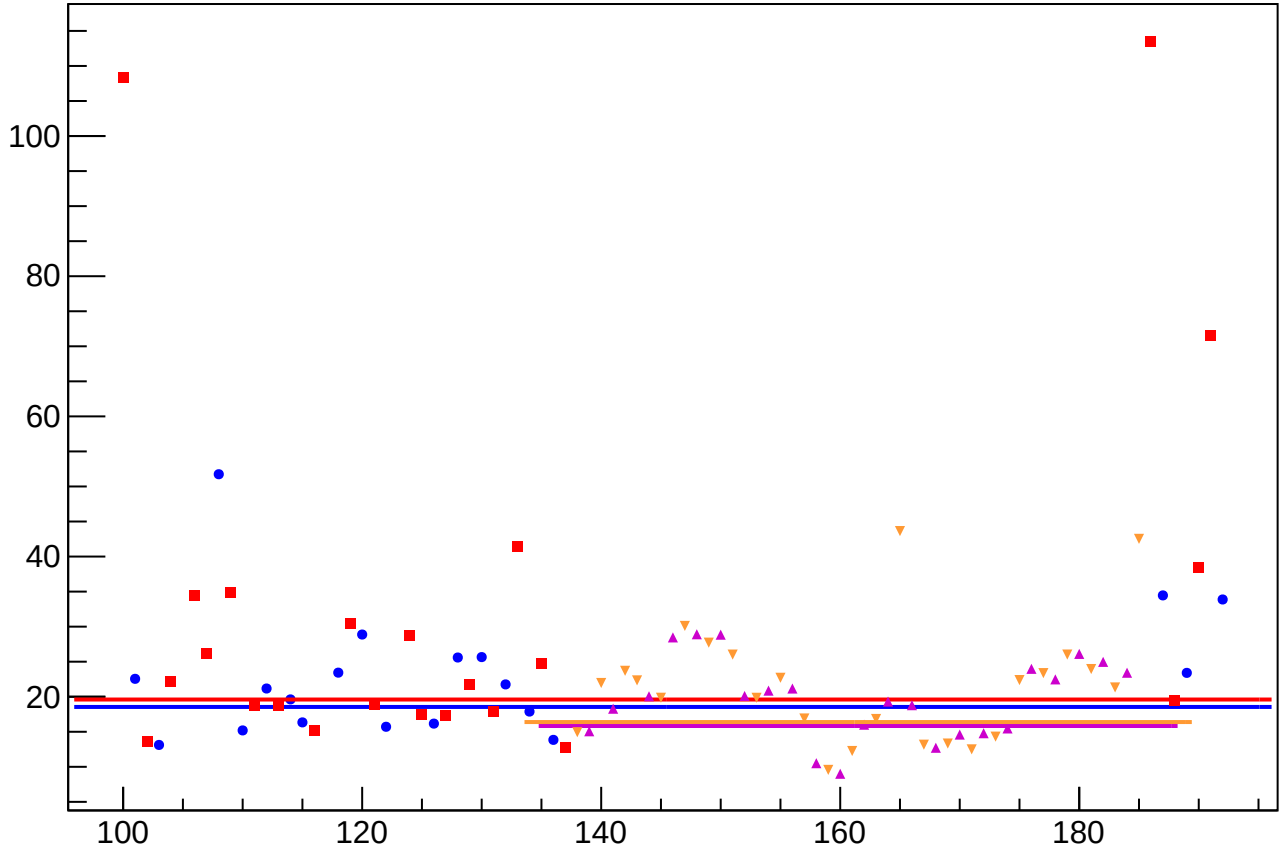
Right: 0.002+/-0.005 χ^2/NDF: 55.8/41

In: -0.005+/-0.003 χ^2/NDF:45.2/41

Out: -0.004+/-0.004 χ^2/NDF:89.2/47

All: -0.005+/-0.002 χ^2/NDF: 134.4/89

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: 19.602+/-0.005 χ^2/NDF: 2193524.6/22

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

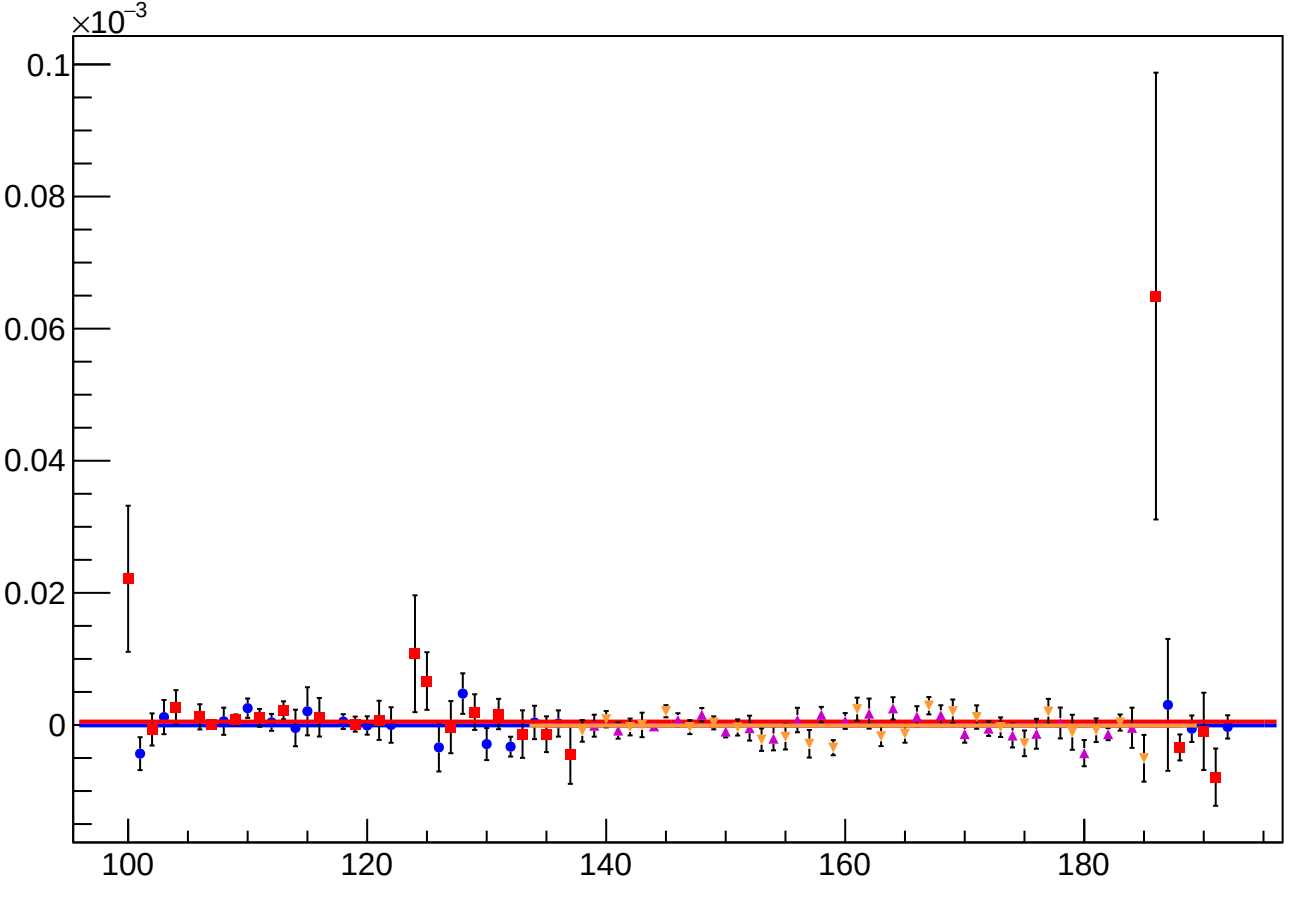
Right: 19.043+/-0.004 χ^2/NDF: 3727320.8/41

In: 16.518+/-0.002 χ^2/NDF:5397220.3/41

Out: 17.152+/-0.003 χ^2/NDF:6520871.5/47

All: 16.829+/-0.002 χ^2/NDF: 11950579.3/89

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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: 24.6/22

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

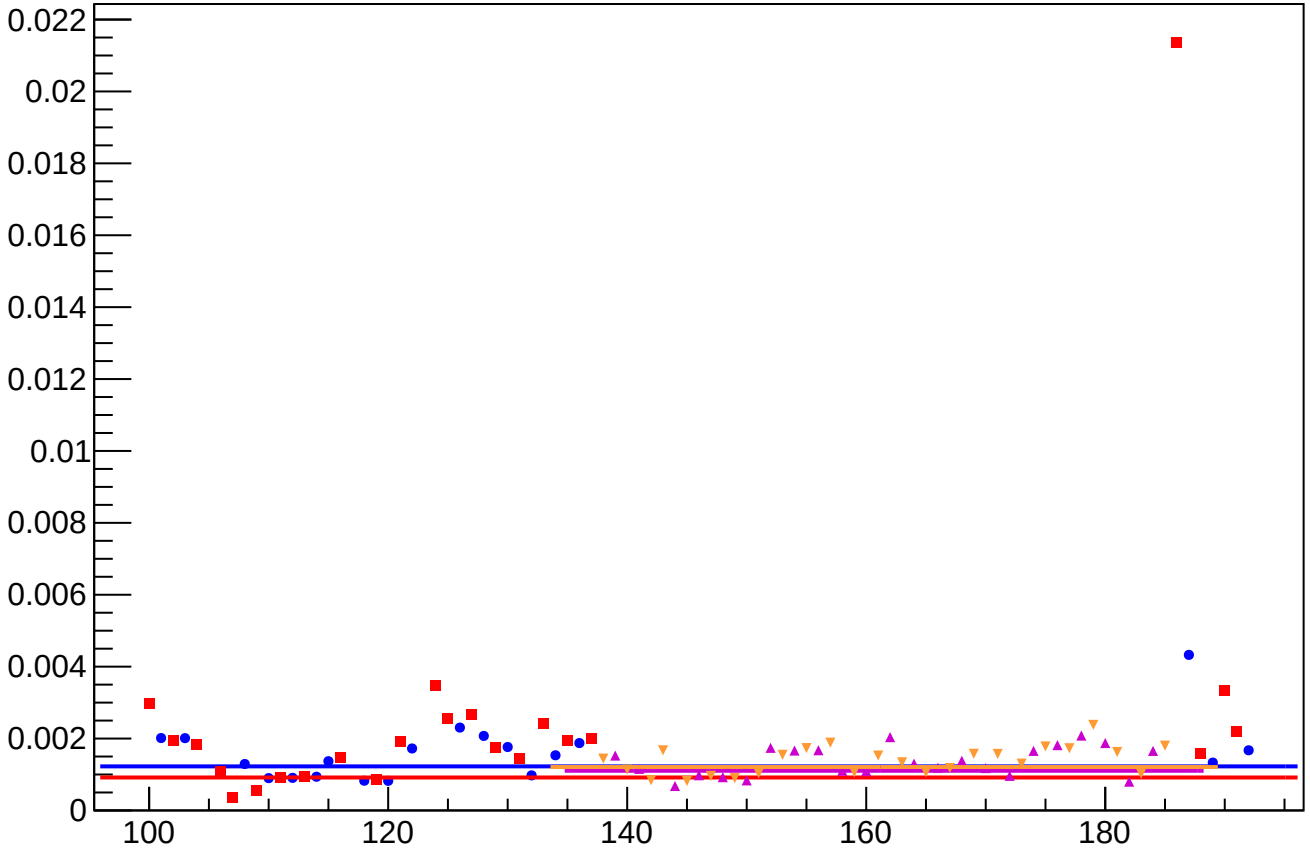
Right: 0.000+/-0.000 χ^2/NDF: 42.3/41

In: -0.000+/-0.000 χ^2/NDF:38.6/41

Out: 0.000+/-0.000 χ^2/NDF:62.4/47

All: 0.000+/-0.000 χ^2/NDF: 101.5/89

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 5940522.1/22

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

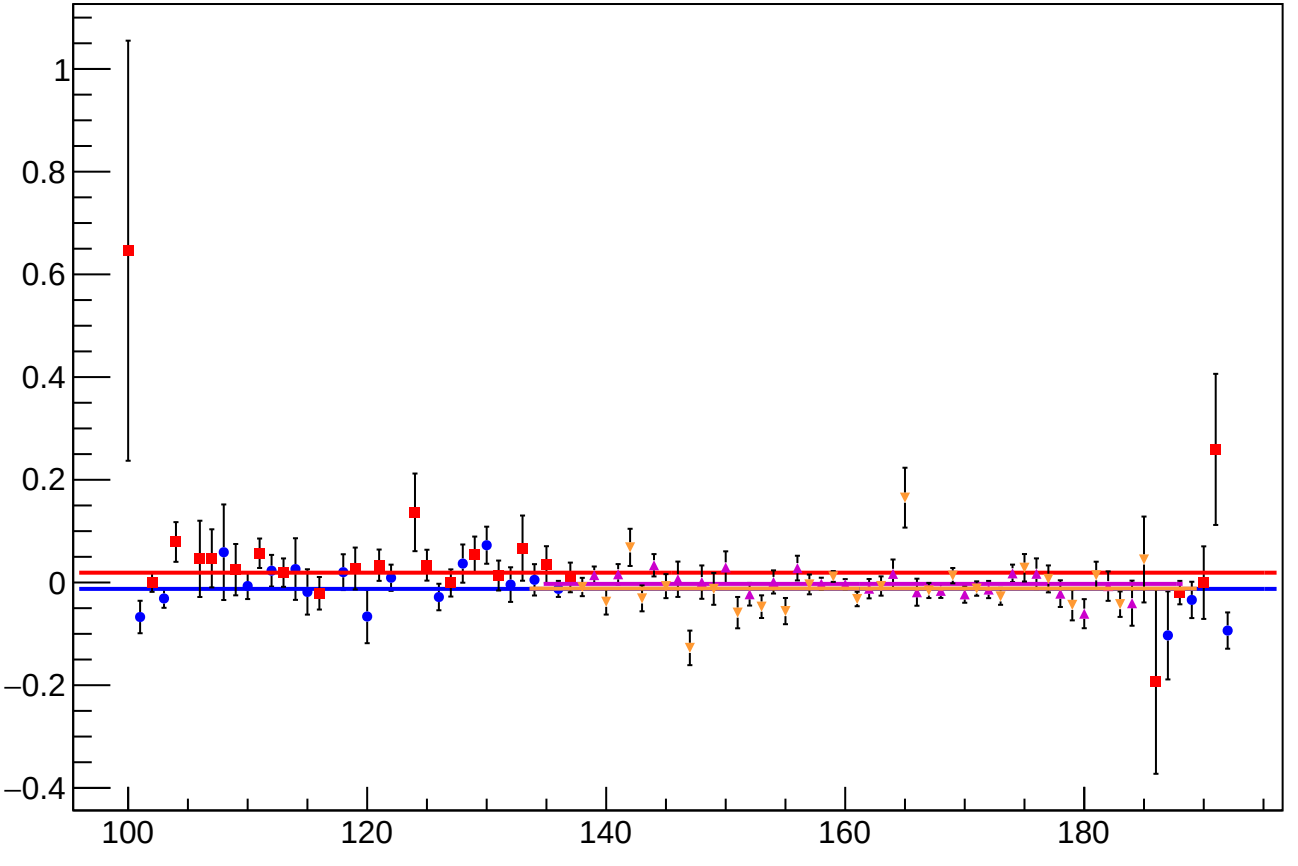
Right: 0.001+/-0.000 χ^2/NDF: 8680860.2/41

In: 0.001+/-0.000 χ^2/NDF:5777235.6/41

Out: 0.001+/-0.000 χ^2/NDF:9423944.2/47

All: 0.001+/-0.000 χ^2/NDF: 15229476.2/89

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: 0.019+/-0.007 χ^2/NDF: 22.0/22

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

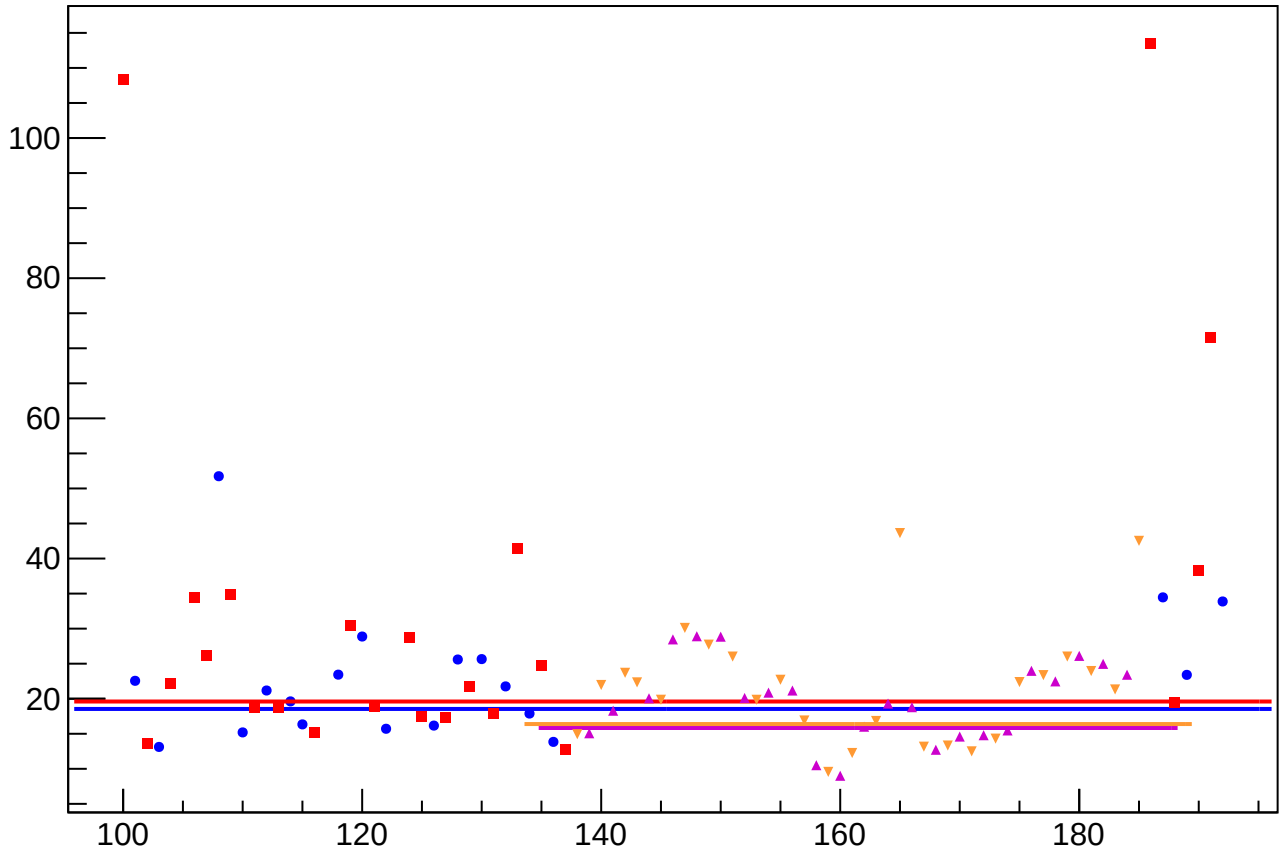
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.002+/-0.005 χ^2/NDF: 55.8/41

In: -0.005+/-0.003 χ^2/NDF:45.2/41

Out: -0.004+/-0.004 χ^2/NDF:89.2/47

All: -0.005+/-0.002 χ^2/NDF: 134.4/89



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: 19.602+/-0.005 χ^2/NDF: 2193398.9/22

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

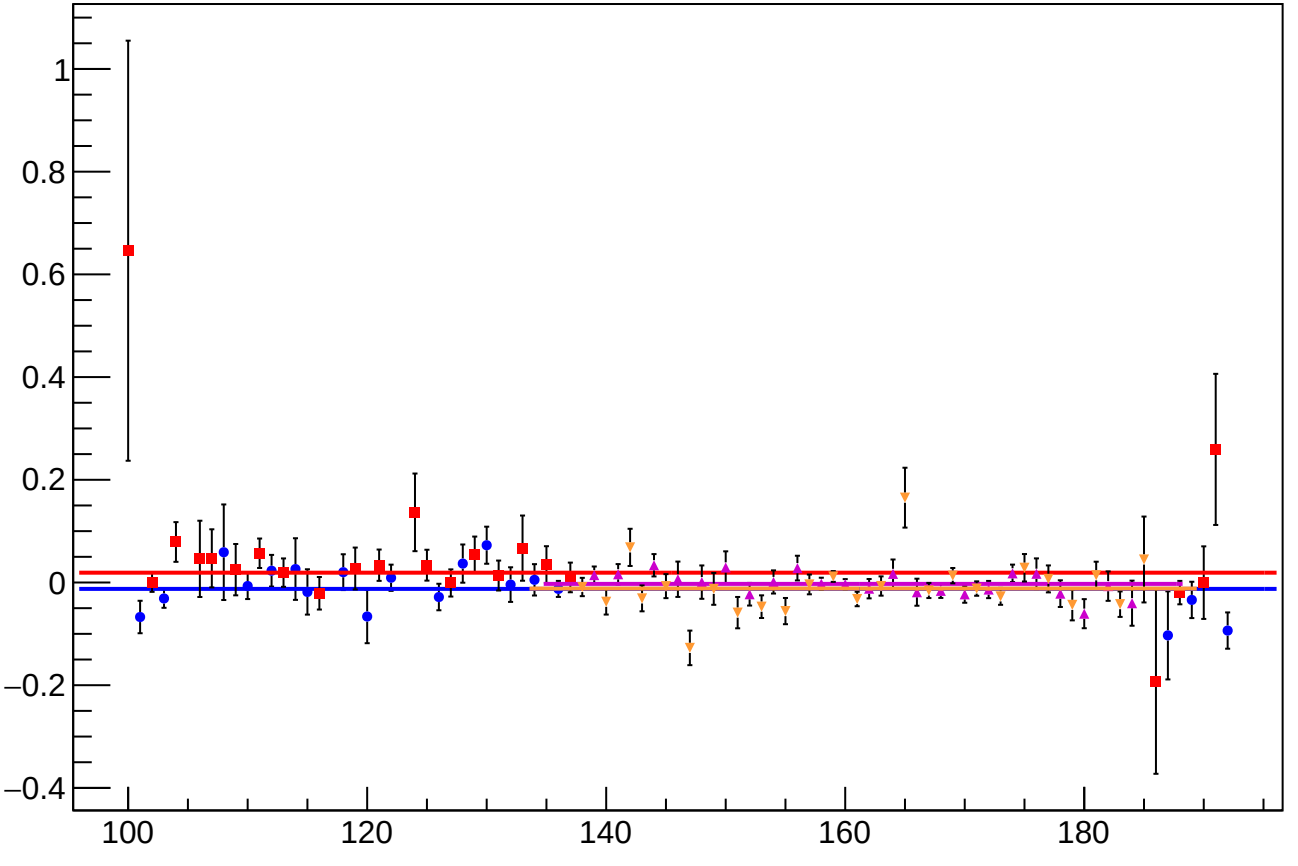
Right: 19.044+/-0.004 χ^2/NDF: 3727262.2/41

In: 16.518+/-0.002 χ^2/NDF:5397689.9/41

Out: 17.152+/-0.003 χ^2/NDF:6521120.3/47

All: 16.829+/-0.002 χ^2/NDF: 11951310.7/89

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: 0.019+/-0.007 χ^2/NDF: 22.0/22

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

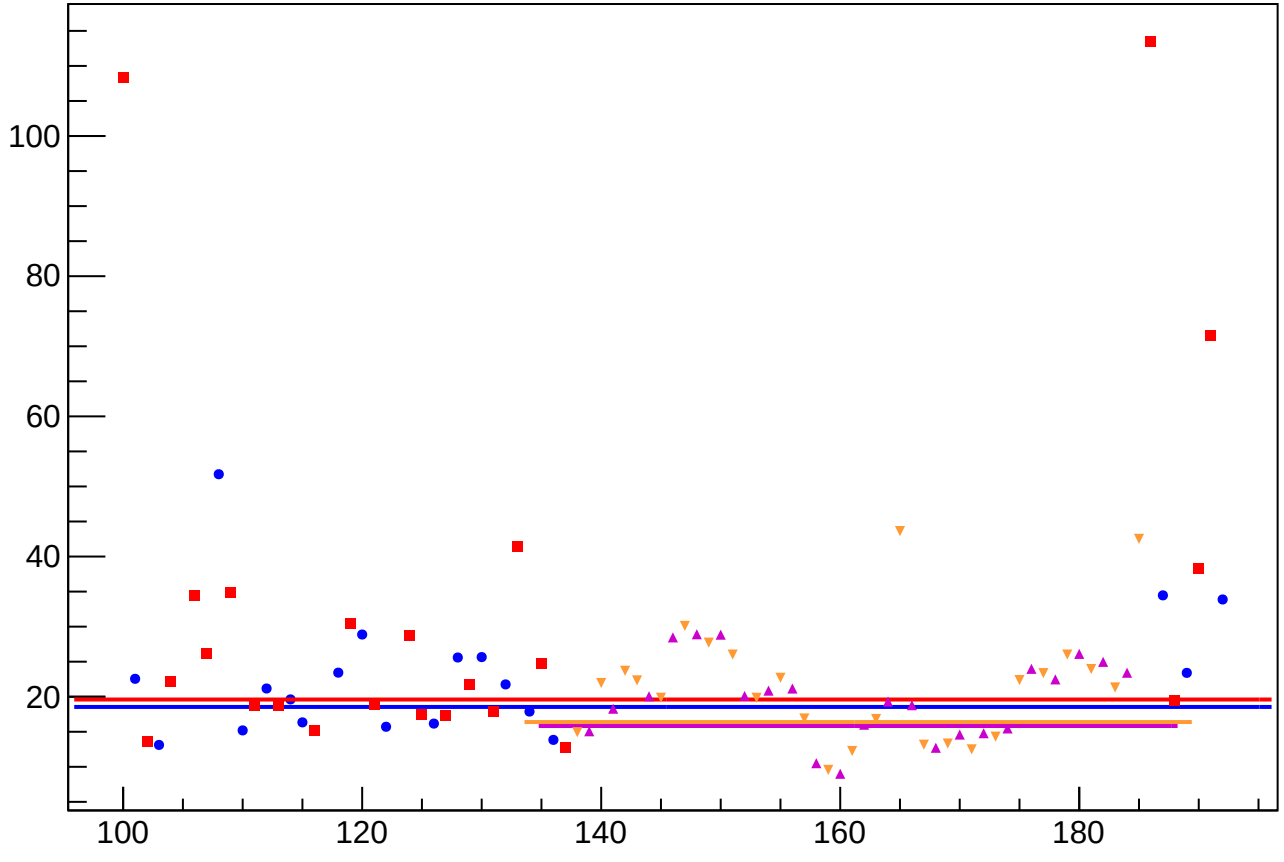
Right: 0.002+/-0.005 χ^2/NDF: 55.8/41

In: -0.005+/-0.003 χ^2/NDF:45.2/41

Out: -0.004+/-0.004 χ^2/NDF:89.2/47

All: -0.005+/-0.002 χ^2/NDF: 134.4/89

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: 19.602+/-0.005 χ^2/NDF: 2193398.9/22

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

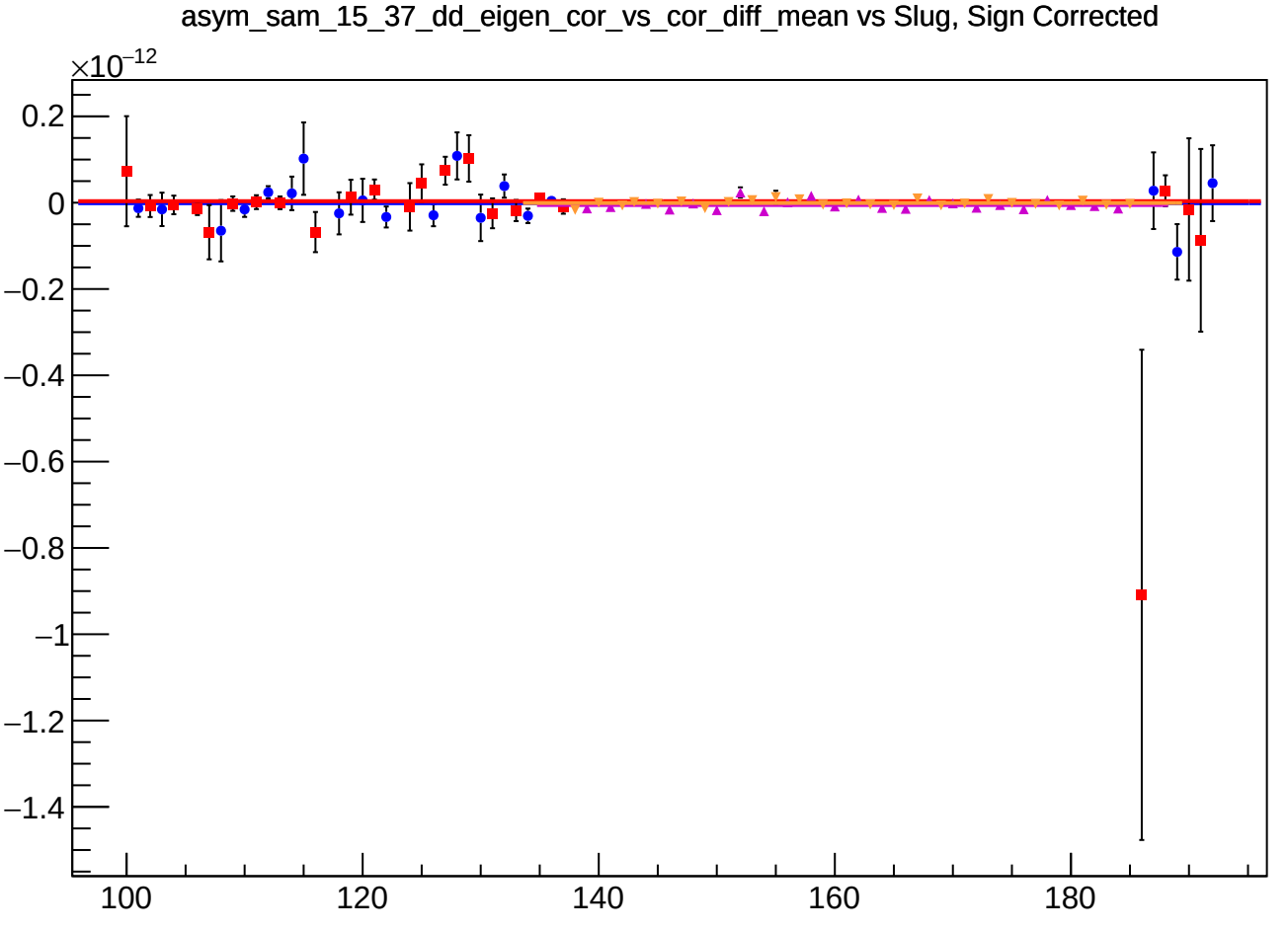
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 19.044+/-0.004 χ^2/NDF: 3727262.2/41

In: 16.518+/-0.002 χ^2/NDF:5397689.9/41

Out: 17.152+/-0.003 χ^2/NDF:6521120.3/47

All: 16.829+/-0.002 χ^2/NDF: 11951310.7/89



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: 22.4/22

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

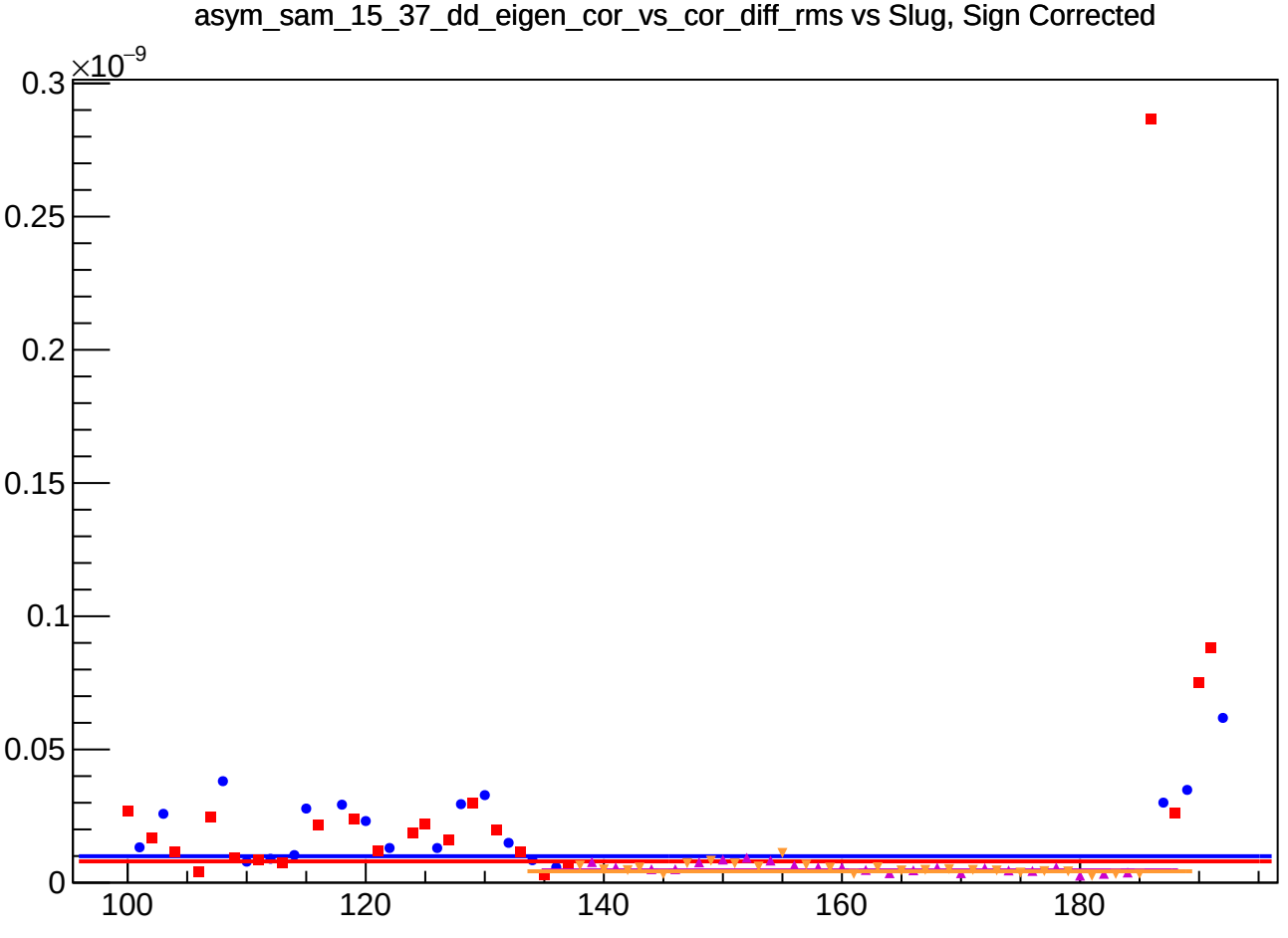
Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

Right: 0.000+/-0.000 χ^2/NDF: 46.6/41

In: -0.000+/-0.000 χ^2/NDF:62.3/41

Out: -0.000+/-0.000 χ^2/NDF:42.4/47

All: -0.000+/-0.000 χ^2/NDF: 111.1/89



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: 4702348.7/22

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

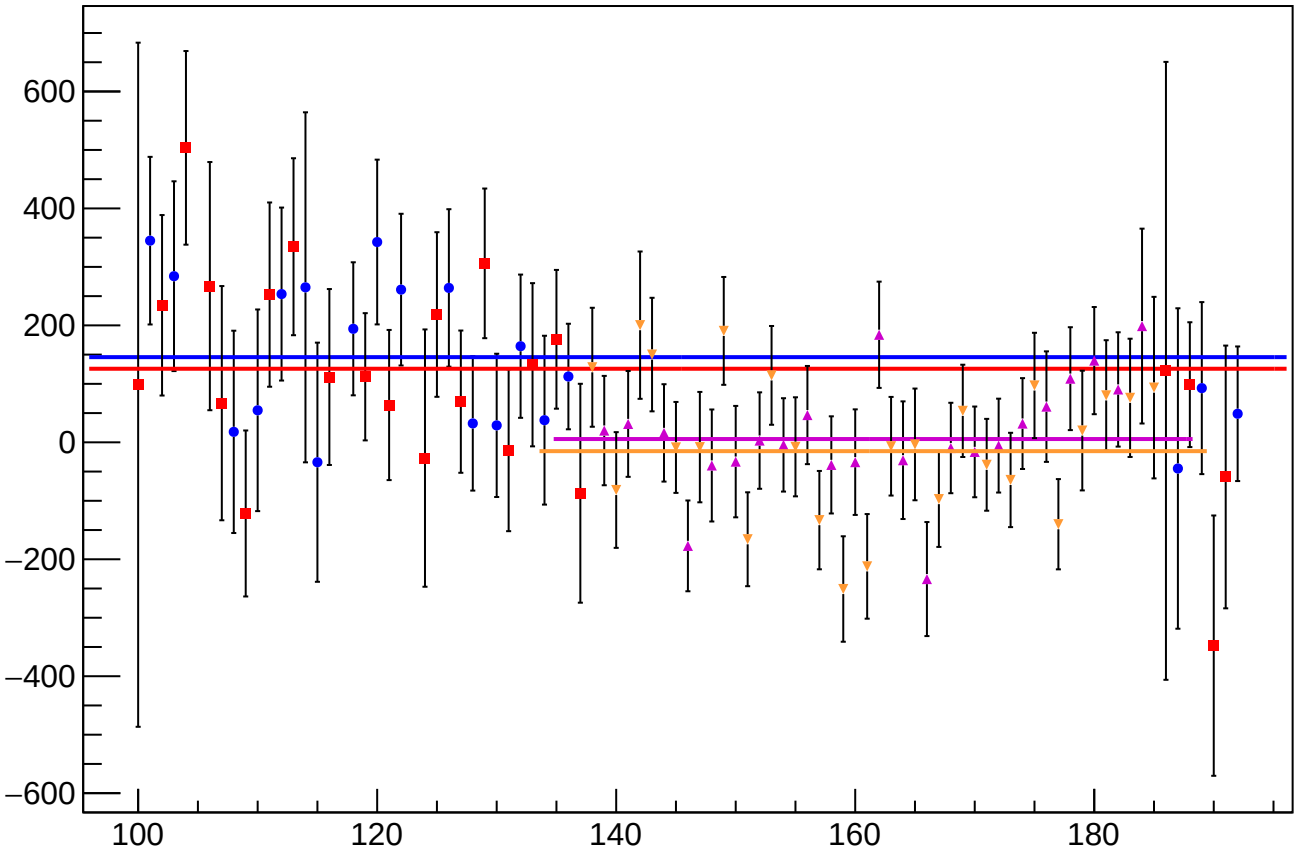
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 8613091.0/41

In: 0.000+/-0.000 χ^2/NDF:8299196.0/41

Out: 0.000+/-0.000 χ^2/NDF:8582526.3/47

All: 0.000+/-0.000 χ^2/NDF: 17013314.6/89



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: 125.826+/-31.852 χ^2/NDF: 23.0/22

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

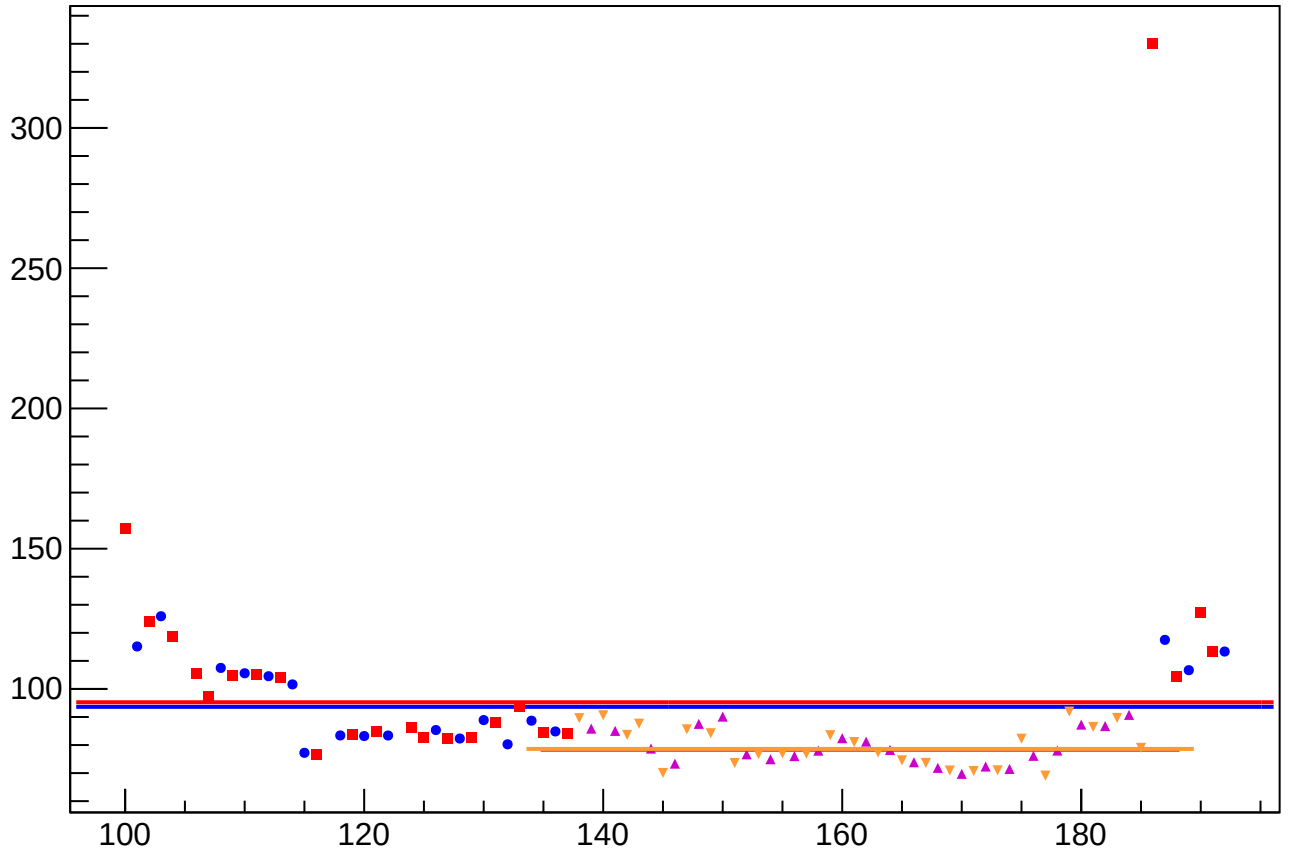
Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

Right: 135.777+/-22.489 χ^2/NDF: 35.7/41

In: 40.772+/-15.909 χ^2/NDF:50.1/41

Out: 18.888+/-15.642 χ^2/NDF:79.5/47

All: 29.645+/-11.154 χ^2/NDF: 130.5/89



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: 95.253+/-0.023 χ^2/NDF: 783054.5/22

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

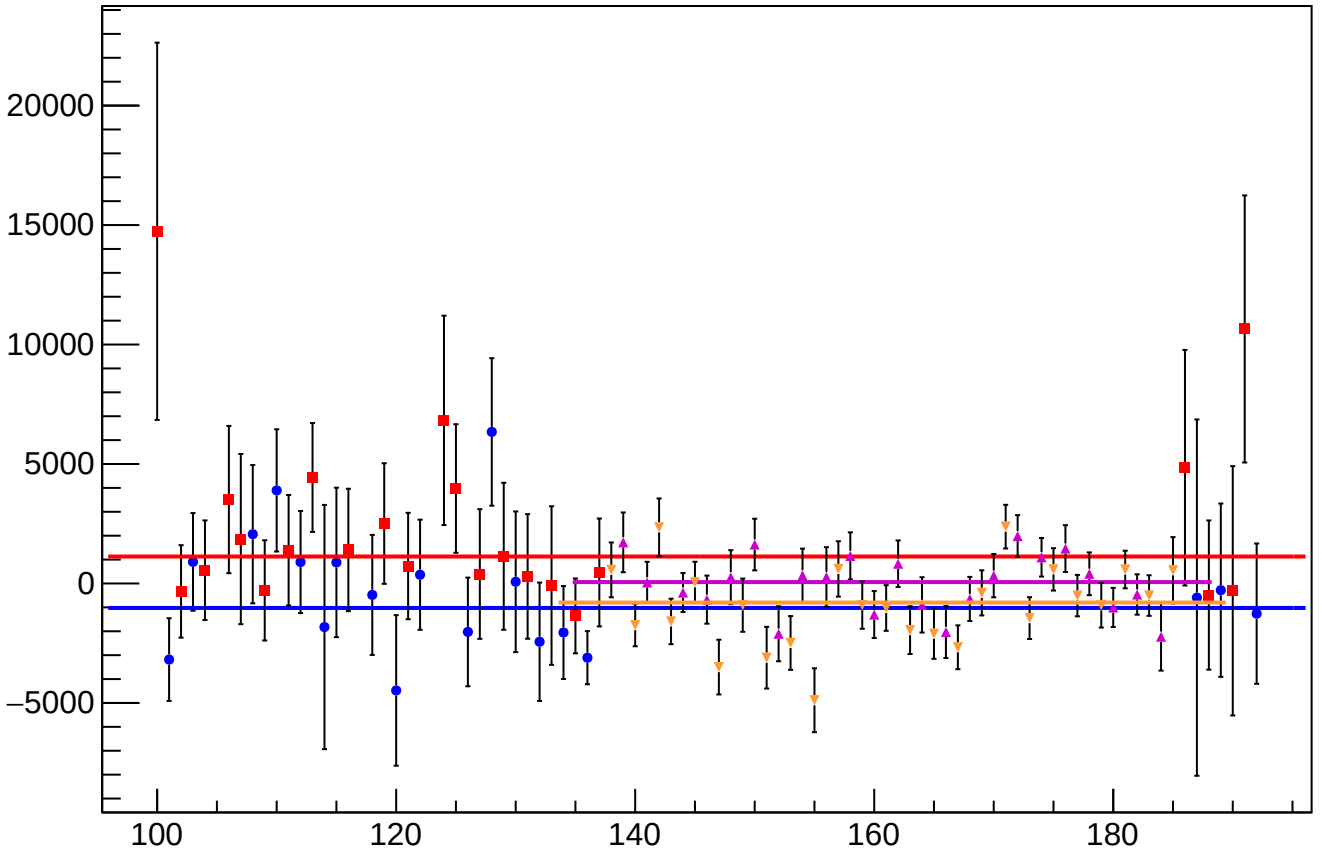
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 94.432+/-0.016 χ^2/NDF: 1161682.6/41

In: 82.169+/-0.011 χ^2/NDF:932014.8/41

Out: 82.630+/-0.011 χ^2/NDF:1504218.8/47

All: 82.404+/-0.008 χ^2/NDF: 2437086.8/89



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: 1129.093+/-550.326 χ^2/NDF: 16.7/22

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

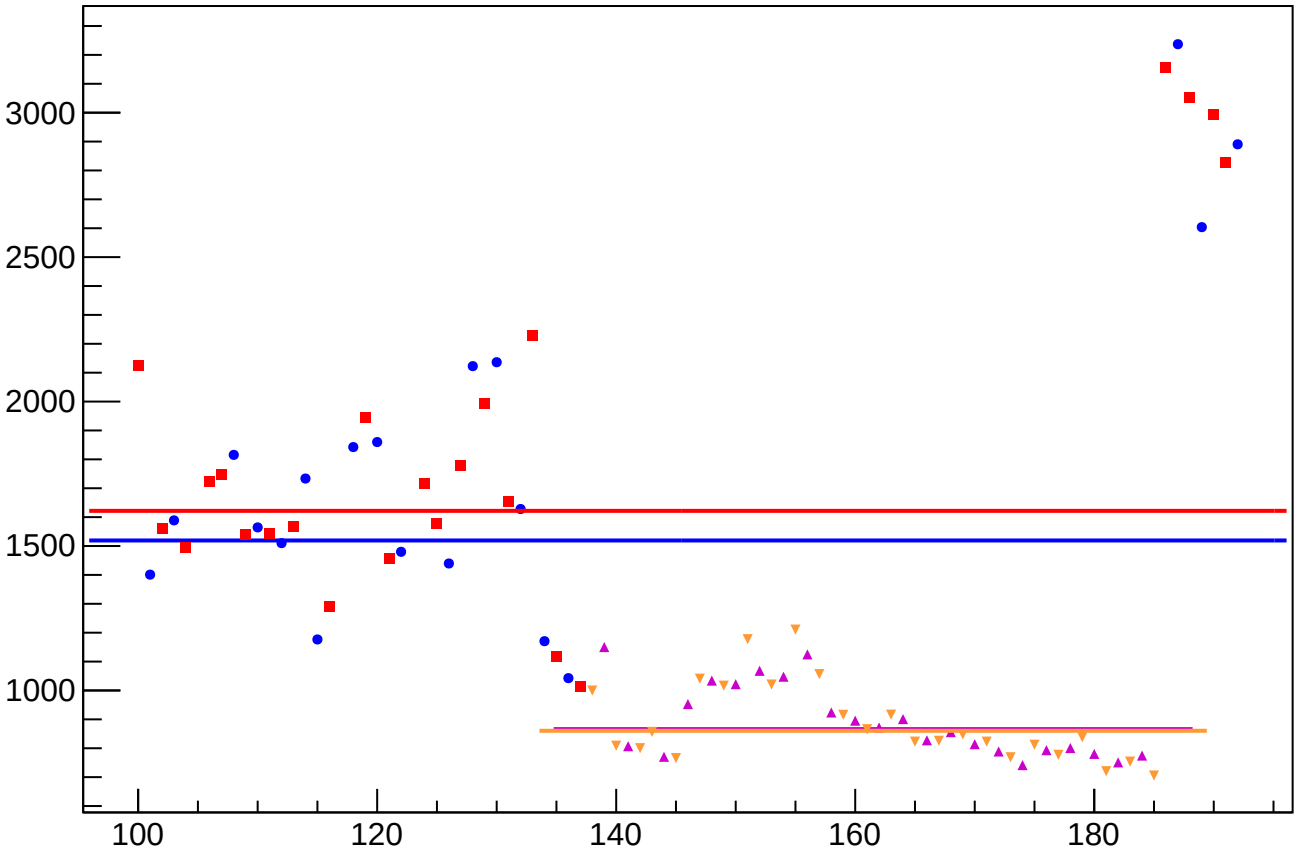
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 19.181+/-383.054 χ^2/NDF: 44.9/41

In: -79.224+/-190.901 χ^2/NDF:54.4/41

Out: -576.479+/-186.212 χ^2/NDF:87.0/47

All: -334.034+/-133.298 χ^2/NDF: 144.9/89



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: 1621.747+/-0.389 χ^2/NDF: 1408376.4/22

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

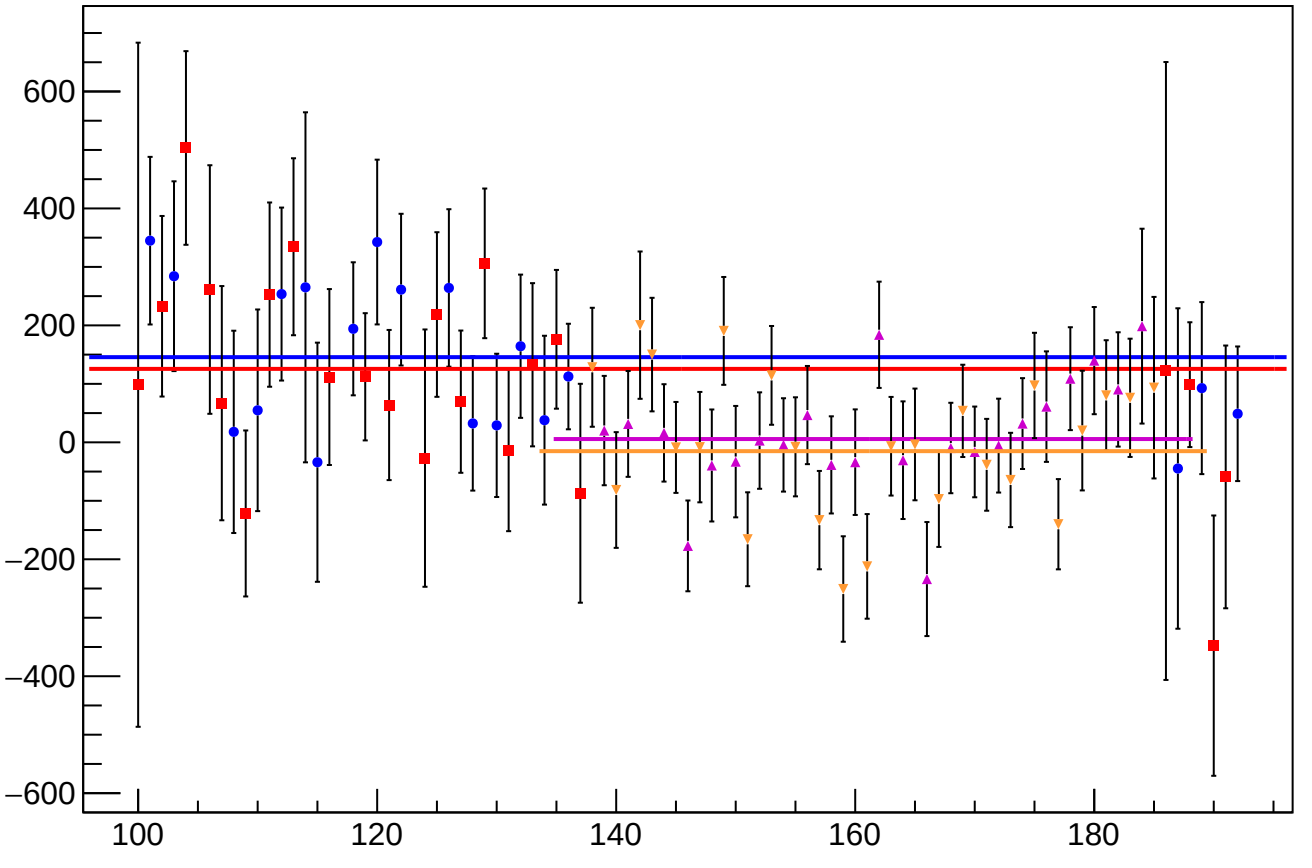
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1568.890+/-0.271 χ^2/NDF: 2886147.1/41

In: 949.942+/-0.135 χ^2/NDF:4666744.9/41

Out: 947.649+/-0.132 χ^2/NDF:5496408.5/47

All: 948.767+/-0.094 χ^2/NDF: 10163301.2/89



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: 125.604+/-31.854 χ^2/NDF: 22.9/22

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

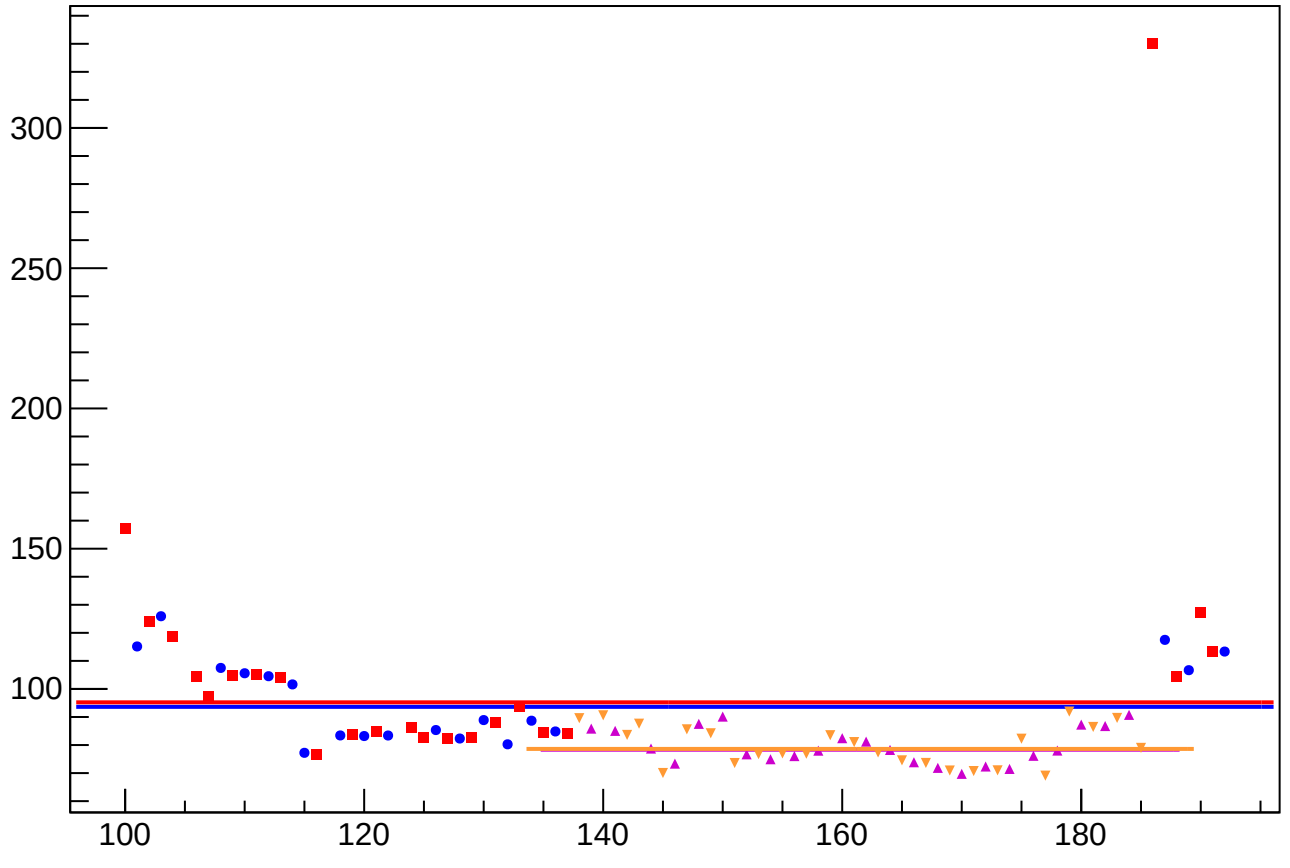
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 135.666+/-22.490 χ^2/NDF: 35.7/41

In: 40.768+/-15.909 χ^2/NDF:50.1/41

Out: 18.833+/-15.643 χ^2/NDF:79.3/47

All: 29.616+/-11.154 χ^2/NDF: 130.4/89



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: 95.225+/-0.023 χ^2/NDF: 782140.0/22

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

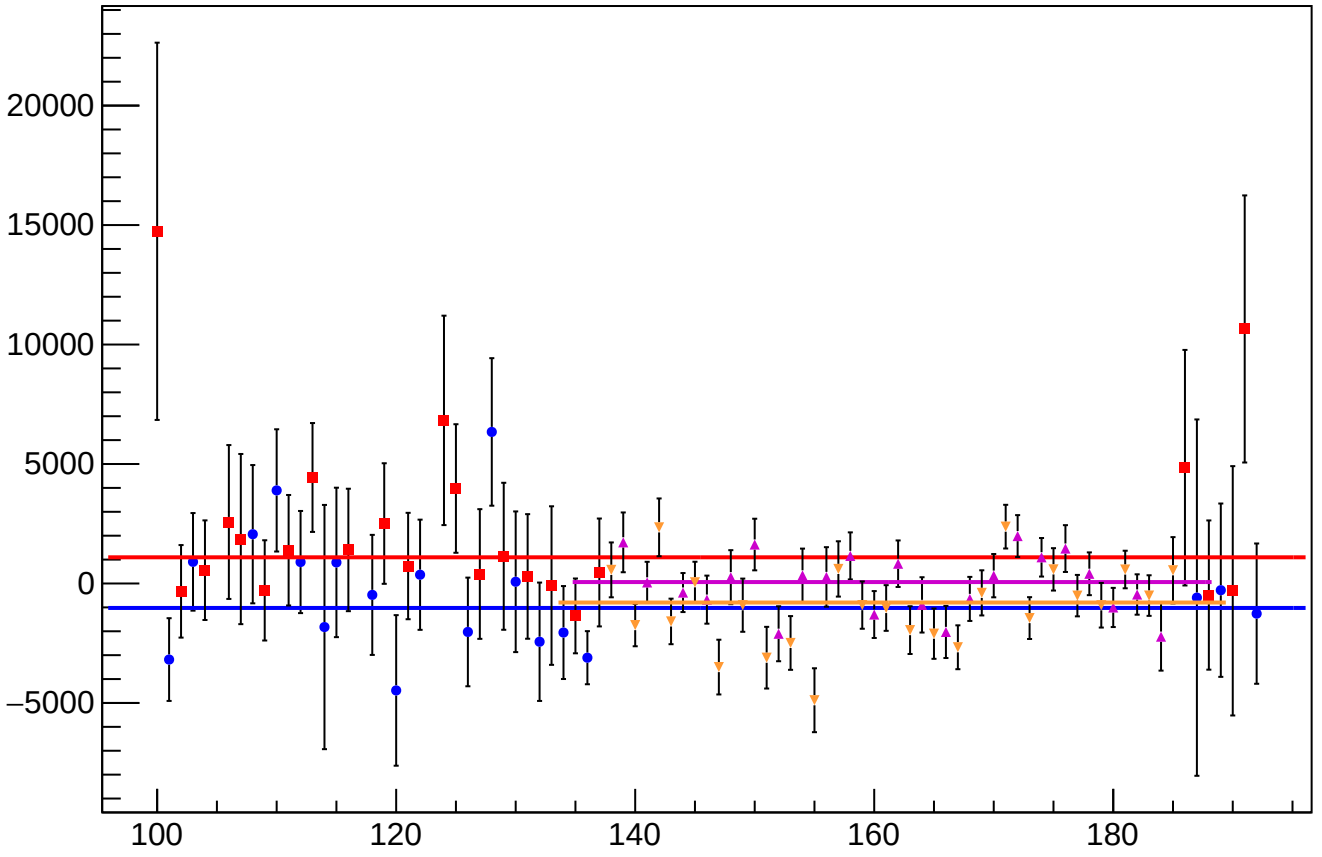
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 94.418+/-0.016 χ^2/NDF: 1160678.7/41

In: 82.169+/-0.011 χ^2/NDF:932016.8/41

Out: 82.623+/-0.011 χ^2/NDF:1501861.5/47

All: 82.400+/-0.008 χ^2/NDF: 2434705.1/89



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: 1095.507+/-551.084 χ^2/NDF: 16.3/22

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

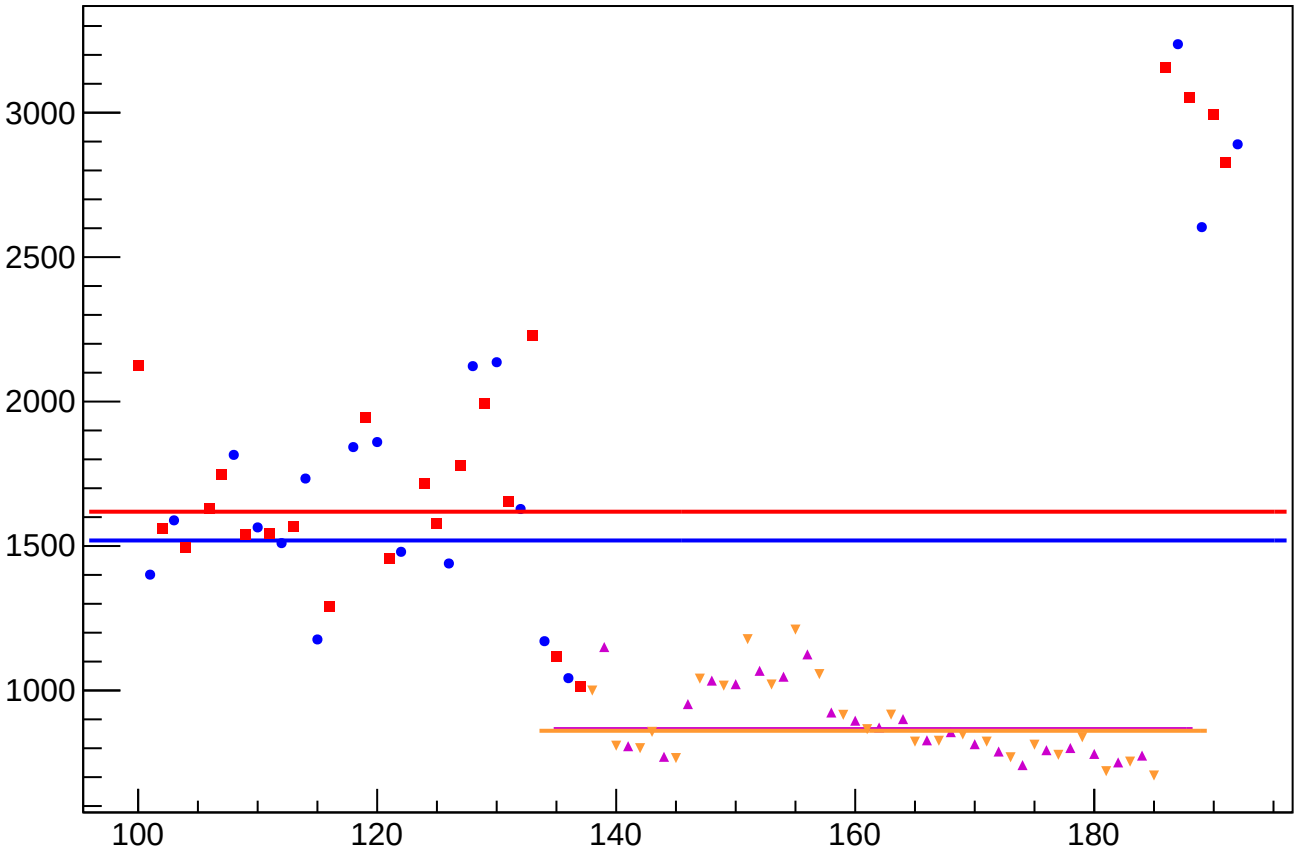
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 1.466+/-383.310 χ^2/NDF: 44.2/41

In: -79.220+/-190.901 χ^2/NDF:54.4/41

Out: -580.851+/-186.241 χ^2/NDF:86.2/47

All: -336.233+/-133.309 χ^2/NDF: 144.1/89



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: 1618.778+/-0.390 χ^2/NDF: 1406147.1/22

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

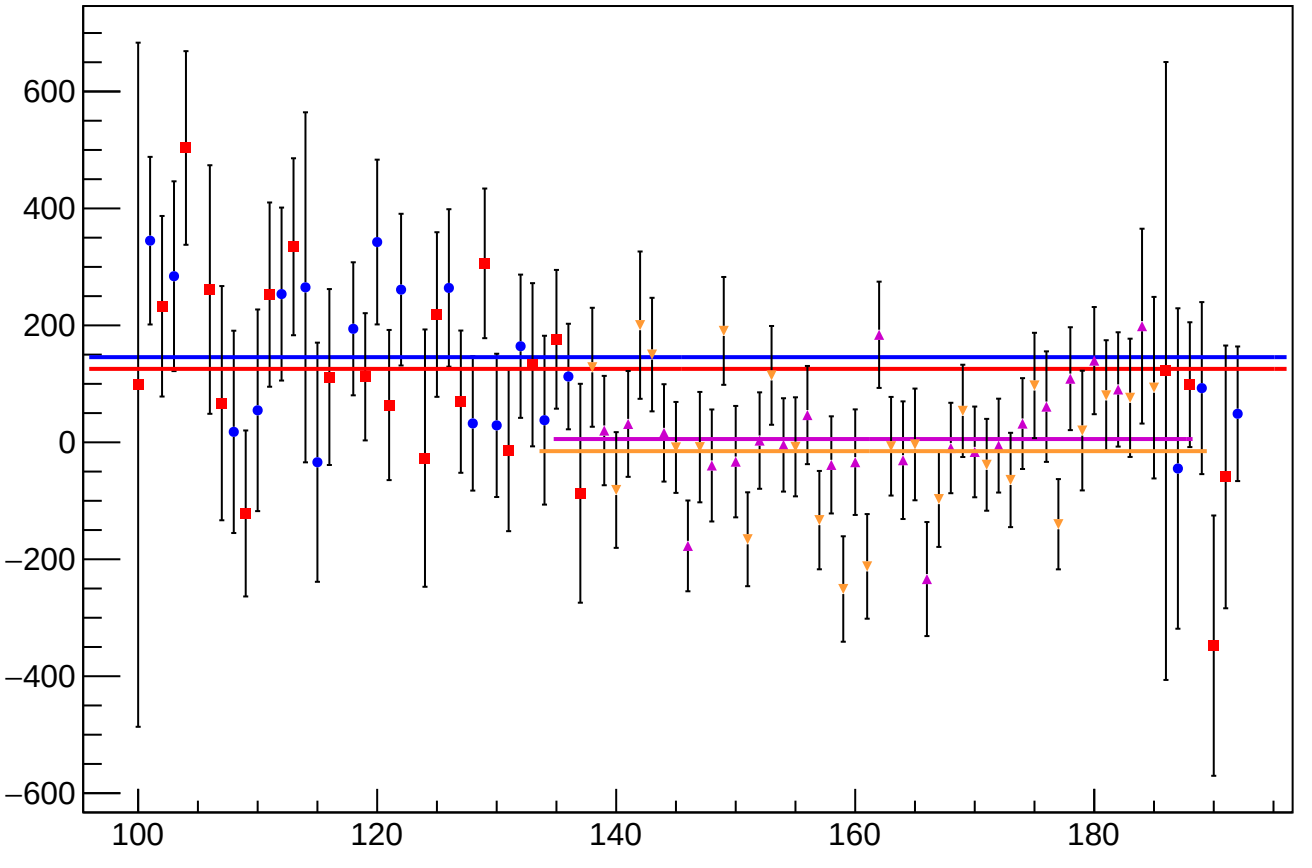
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1567.385+/-0.271 χ^2/NDF: 2881829.2/41

In: 949.943+/-0.135 χ^2/NDF:4666762.8/41

Out: 947.098+/-0.132 χ^2/NDF:5459604.9/47

All: 948.485+/-0.094 χ^2/NDF: 10126595.2/89



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: 125.604+/-31.854 χ^2/NDF: 22.9/22

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

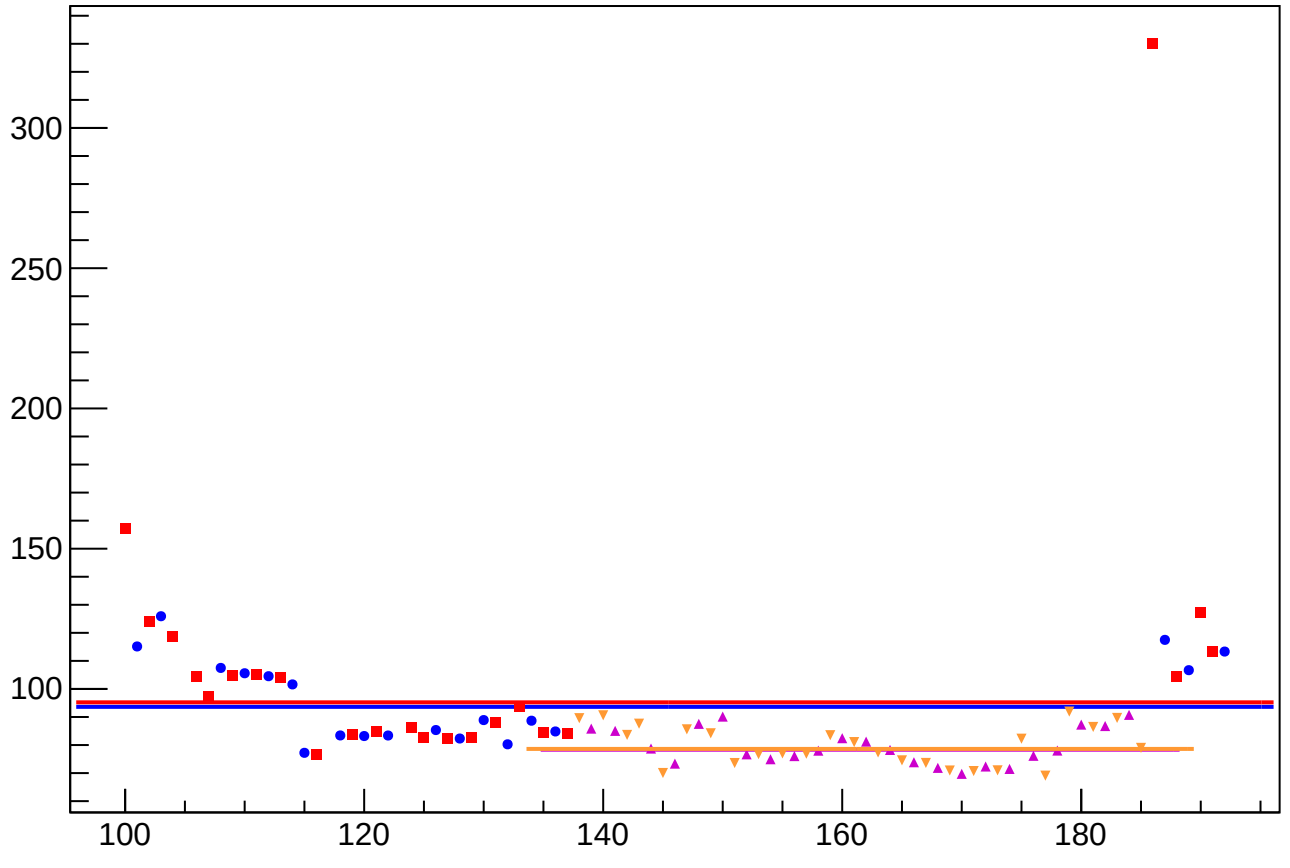
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 135.666+/-22.490 χ^2/NDF: 35.7/41

In: 40.768+/-15.909 χ^2/NDF:50.1/41

Out: 18.833+/-15.643 χ^2/NDF:79.3/47

All: 29.616+/-11.154 χ^2/NDF: 130.4/89



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: 95.225+/-0.023 χ^2/NDF: 782140.0/22

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

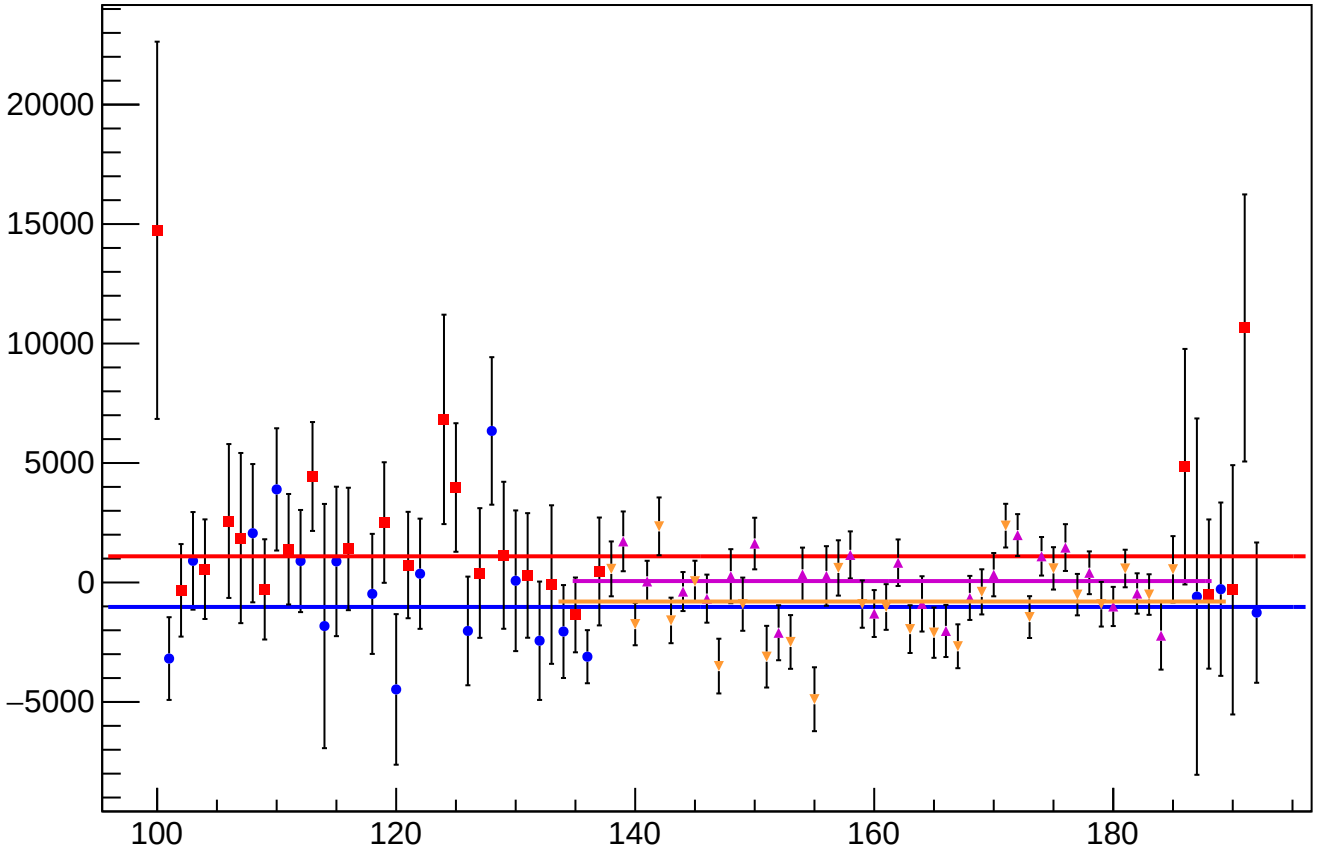
Right: 94.418+/-0.016 χ^2/NDF: 1160678.7/41

In: 82.169+/-0.011 χ^2/NDF:932016.8/41

Out: 82.623+/-0.011 χ^2/NDF:1501861.5/47

All: 82.400+/-0.008 χ^2/NDF: 2434705.1/89

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: 1095.507+/-551.084 χ^2/NDF: 16.3/22

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

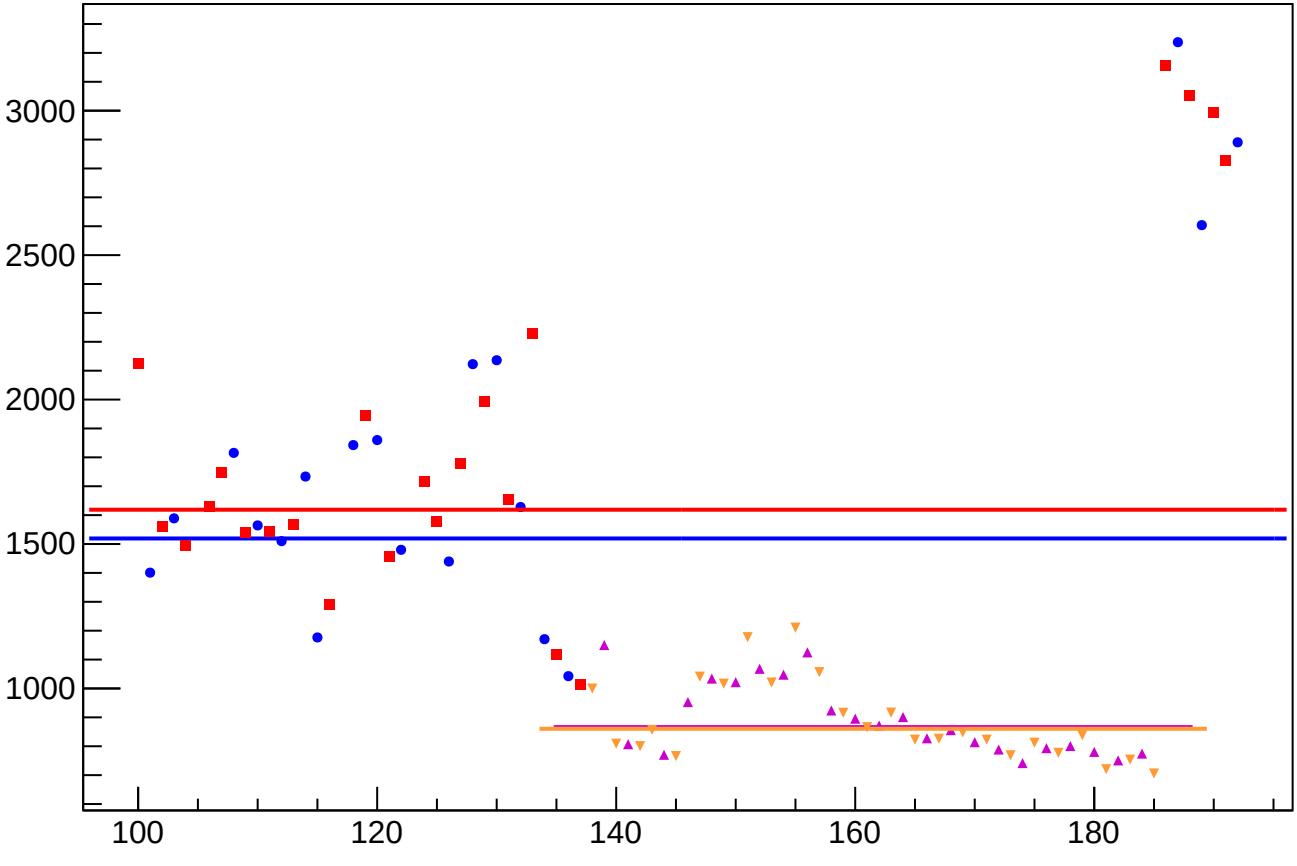
Right: 1.466+/-383.310 χ^2/NDF: 44.2/41

In: -79.220+/-190.901 χ^2/NDF:54.4/41

Out: -580.851+/-186.241 χ^2/NDF:86.2/47

All: -336.233+/-133.309 χ^2/NDF: 144.1/89

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1618.778+/-0.390 χ^2/NDF: 1406147.1/22

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

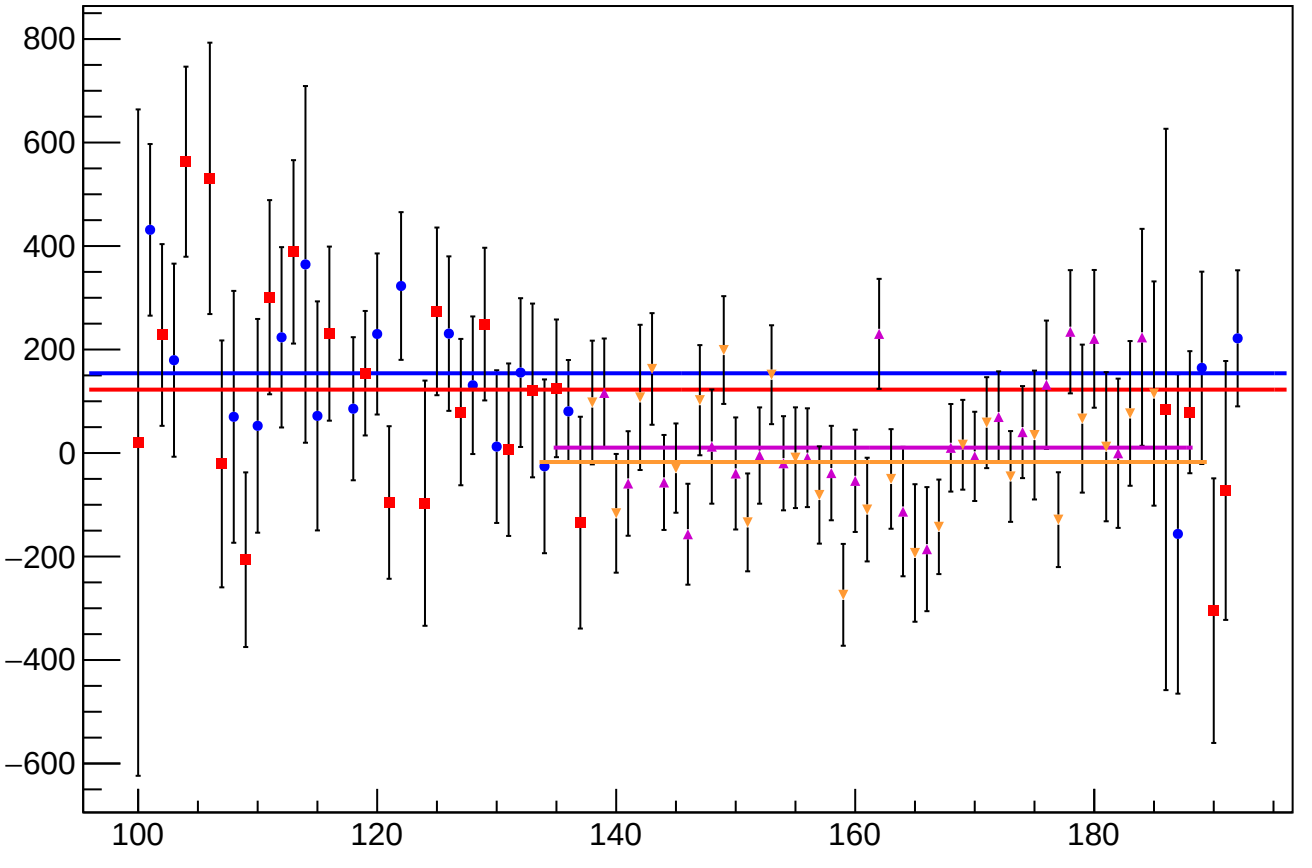
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

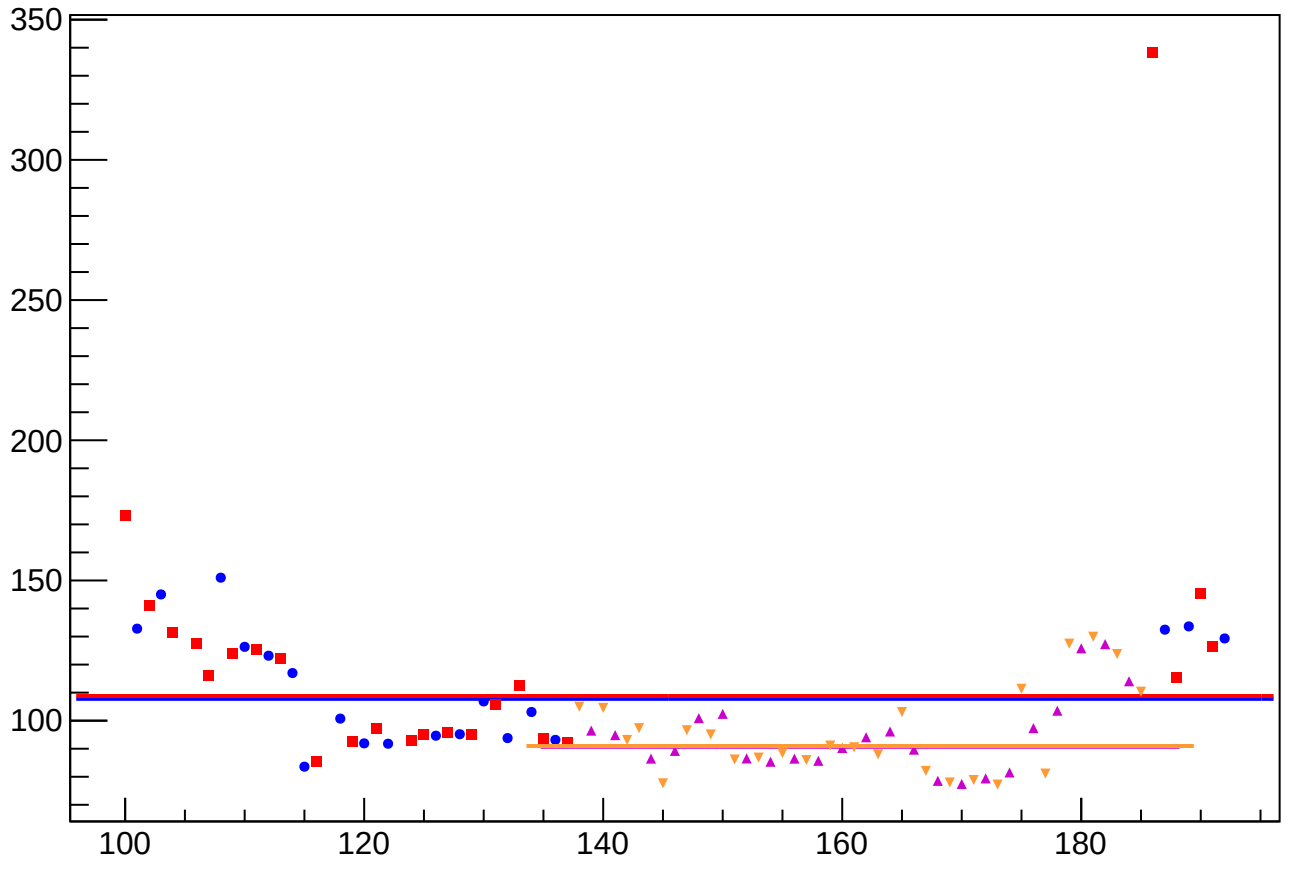
Right: 1567.385+/-0.271 χ^2/NDF: 2881829.2/41

In: 949.943+/-0.135 χ^2/NDF:4666762.8/41

Out: 947.098+/-0.132 χ^2/NDF:5459604.9/47

All: 948.485+/-0.094 χ^2/NDF: 10126595.2/89


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
120
140
160
180
Right In: 154.108+/-36.762 χ²/NDF: 9.9/18
Left Out: -17.356+/-20.987 χ²/NDF:31.2/24
Right Out: 122.512+/-36.450 χ²/NDF: 26.7/22
Left In: 10.412+/-21.503 χ²/NDF:22.6/22
Left: -3.810+/-15.019 χ²/NDF: 54.7/47
Right: 138.175+/-25.884 χ²/NDF: 37.0/41
In: 47.043+/-18.561 χ²/NDF:43.9/41
Out: 17.468+/-18.187 χ²/NDF:69.0/47
All: 31.954+/-12.991 χ²/NDF: 114.2/89



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: 108.796+/-0.026 χ^2/NDF: 772337.0/22

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

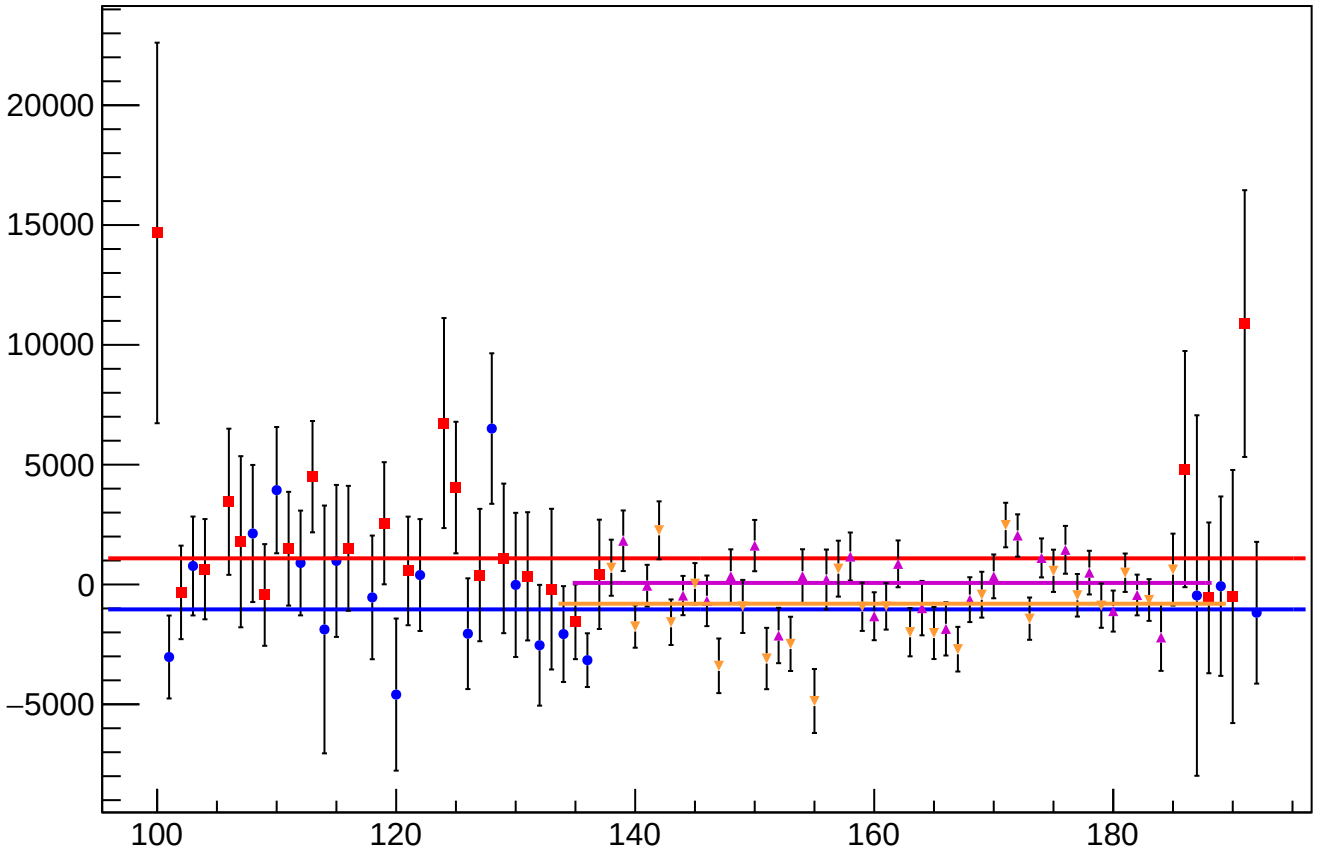
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 108.297+/-0.018 χ^2/NDF: 1272207.7/41

In: 95.049+/-0.013 χ^2/NDF:1367498.4/41

Out: 95.406+/-0.013 χ^2/NDF:1916254.0/47

All: 95.231+/-0.009 χ^2/NDF: 3284129.3/89



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: 1091.209+/-556.084 χ^2/NDF: 17.4/22

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

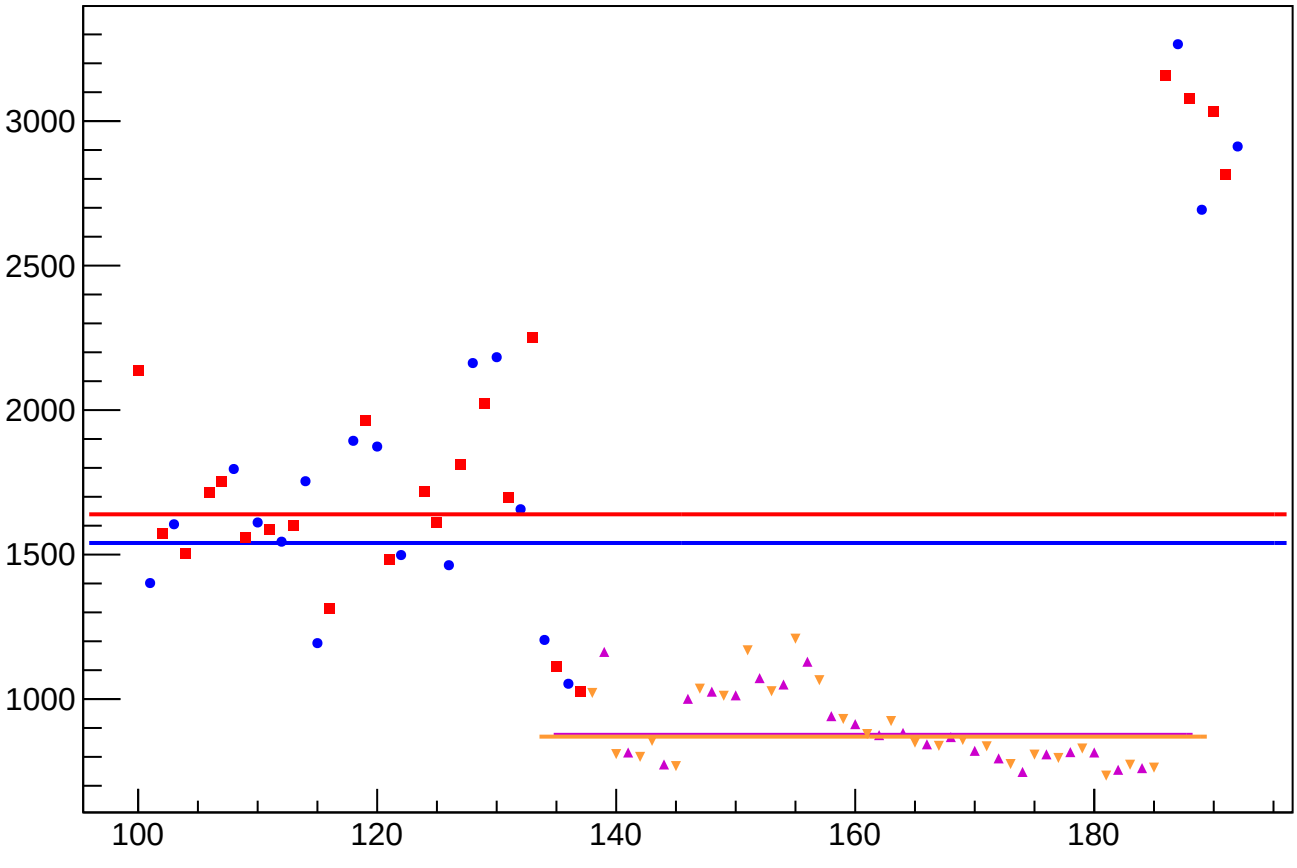
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -3.869+/-387.697 χ^2/NDF: 45.0/41

In: -75.578+/-193.059 χ^2/NDF:54.5/41

Out: -585.913+/-188.074 χ^2/NDF:85.9/47

All: -337.420+/-134.716 χ^2/NDF: 144.0/89



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: 1639.347+/-0.393 χ^2/NDF: 1413753.3/22

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

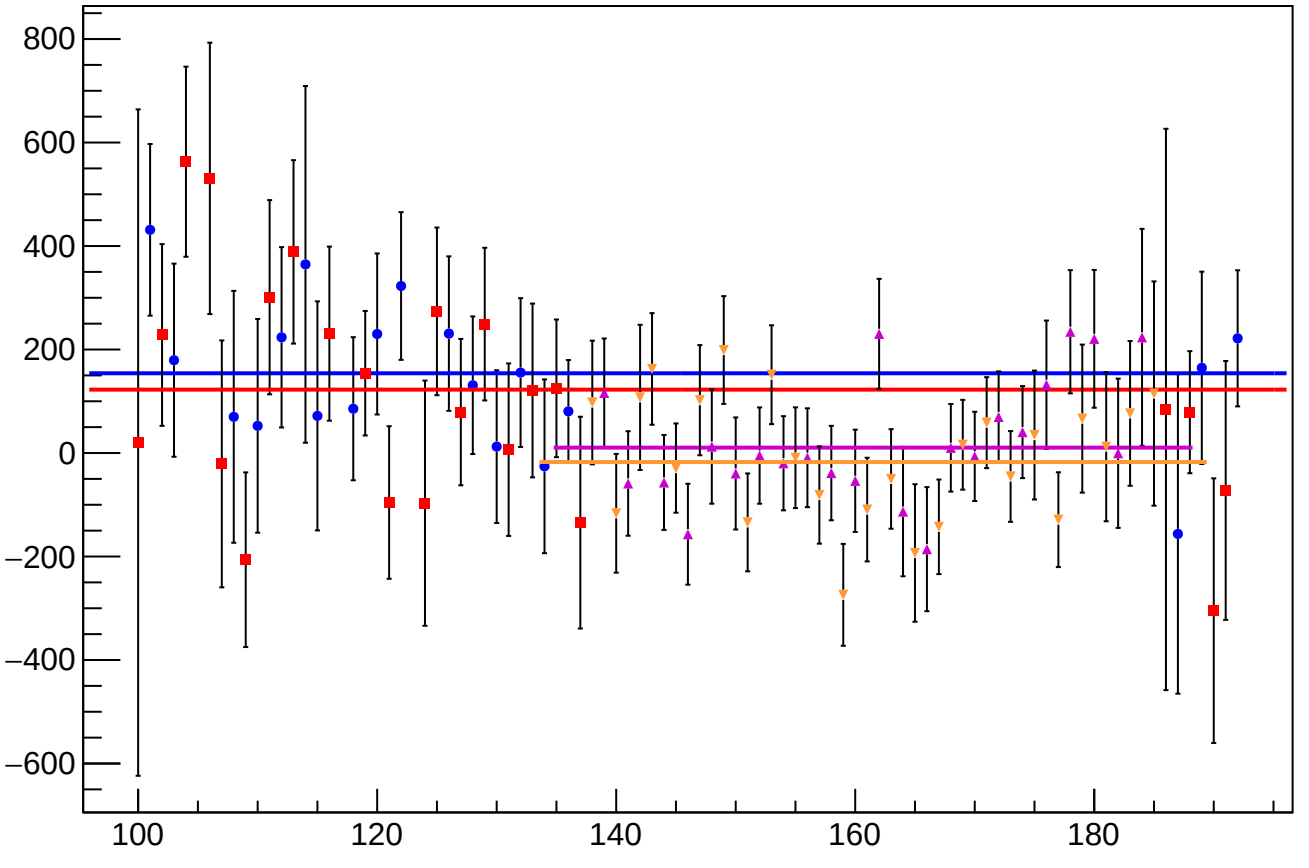
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1588.367+/-0.274 χ^2/NDF: 2901919.3/41

In: 960.876+/-0.137 χ^2/NDF:4682426.6/41

Out: 958.011+/-0.133 χ^2/NDF:5451249.4/47

All: 959.406+/-0.095 χ^2/NDF: 10133902.1/89



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: 122.512+/-36.449 χ^2/NDF: 26.7/22

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

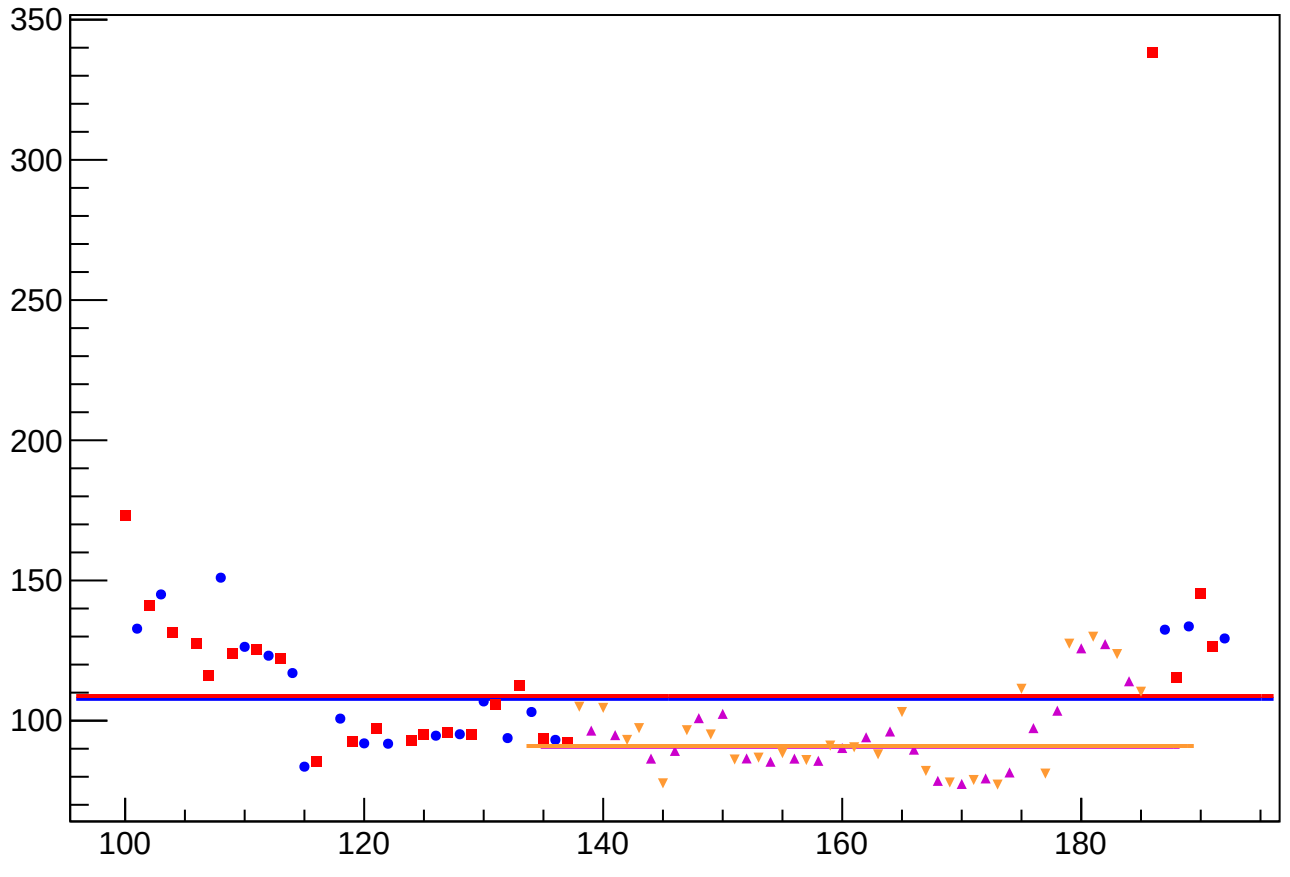
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 138.175+/-25.883 χ^2/NDF: 37.0/41

In: 47.043+/-18.561 χ^2/NDF:43.9/41

Out: 17.468+/-18.187 χ^2/NDF:69.0/47

All: 31.955+/-12.991 χ^2/NDF: 114.2/89



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: 108.796+/-0.026 χ^2/NDF: 772342.8/22

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

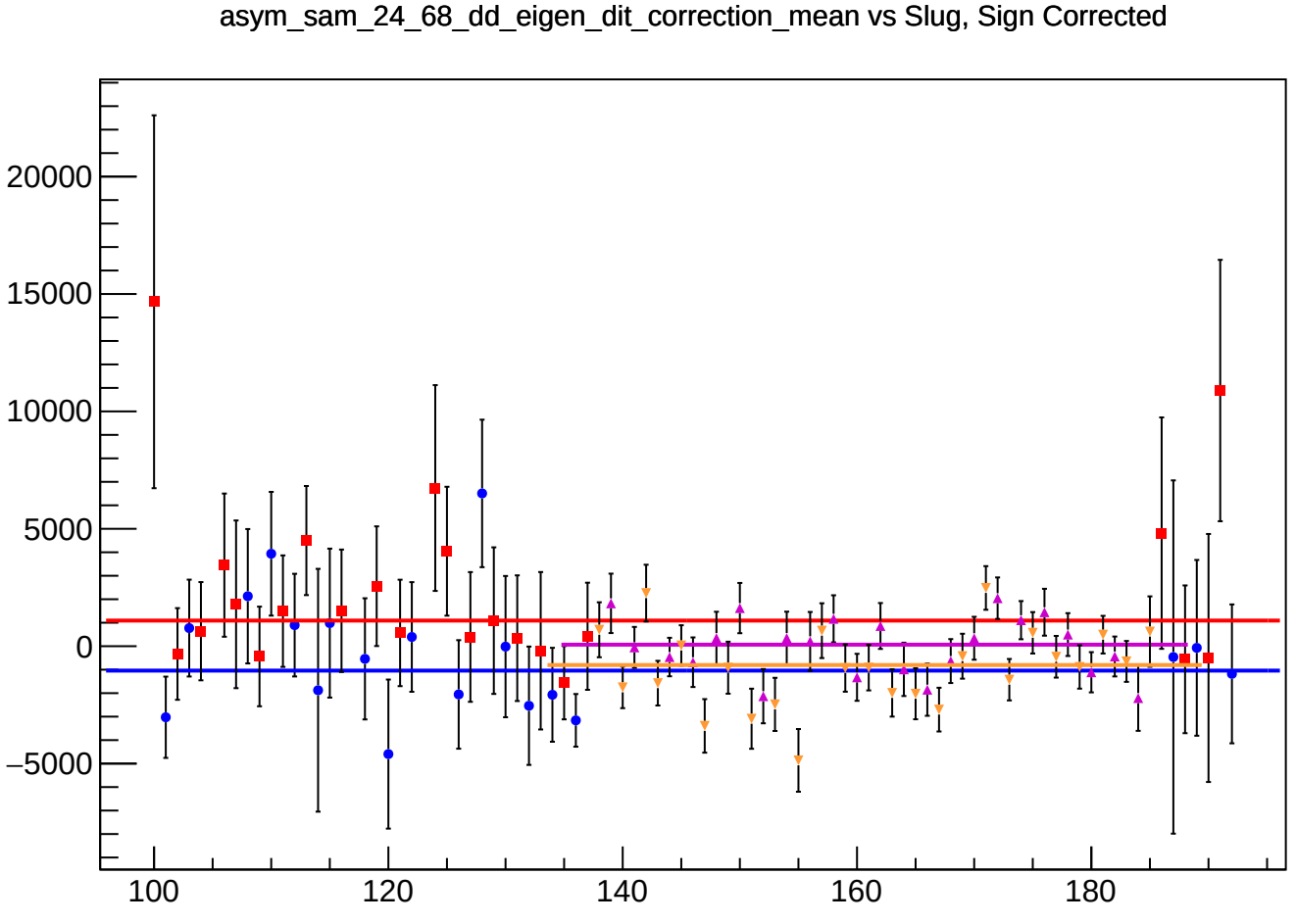
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

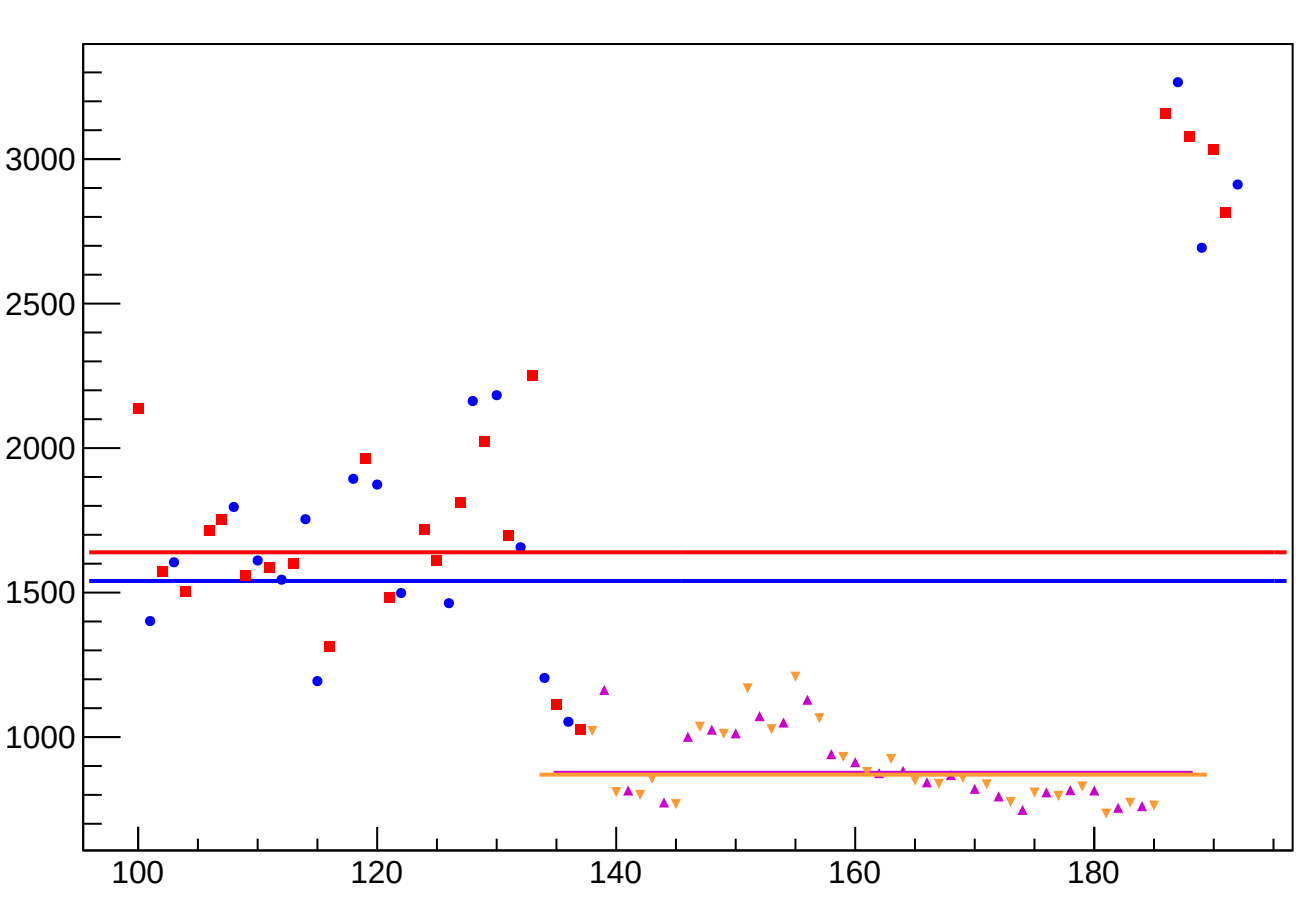
Right: 108.297+/-0.018 χ^2/NDF: 1272219.7/41

In: 95.049+/-0.013 χ^2/NDF:1367463.4/41

Out: 95.406+/-0.013 χ^2/NDF:1916238.3/47

All: 95.231+/-0.009 χ^2/NDF: 3284079.0/89


asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
120
140
160
180
Right In: -1039.604+/-540.806 χ²/NDF: 20.1/18
Left Out: -802.531+/-199.851 χ²/NDF:58.3/24
Right Out: 1091.208+/-556.083 χ²/NDF: 17.4/22
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -3.868+/-387.696 χ²/NDF: 45.0/41
In: -75.578+/-193.059 χ²/NDF:54.5/41
Out: -585.912+/-188.074 χ²/NDF:85.9/47
All: -337.420+/-134.716 χ²/NDF: 144.0/89



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: 1639.344+/-0.393 χ^2/NDF: 1413755.8/22

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

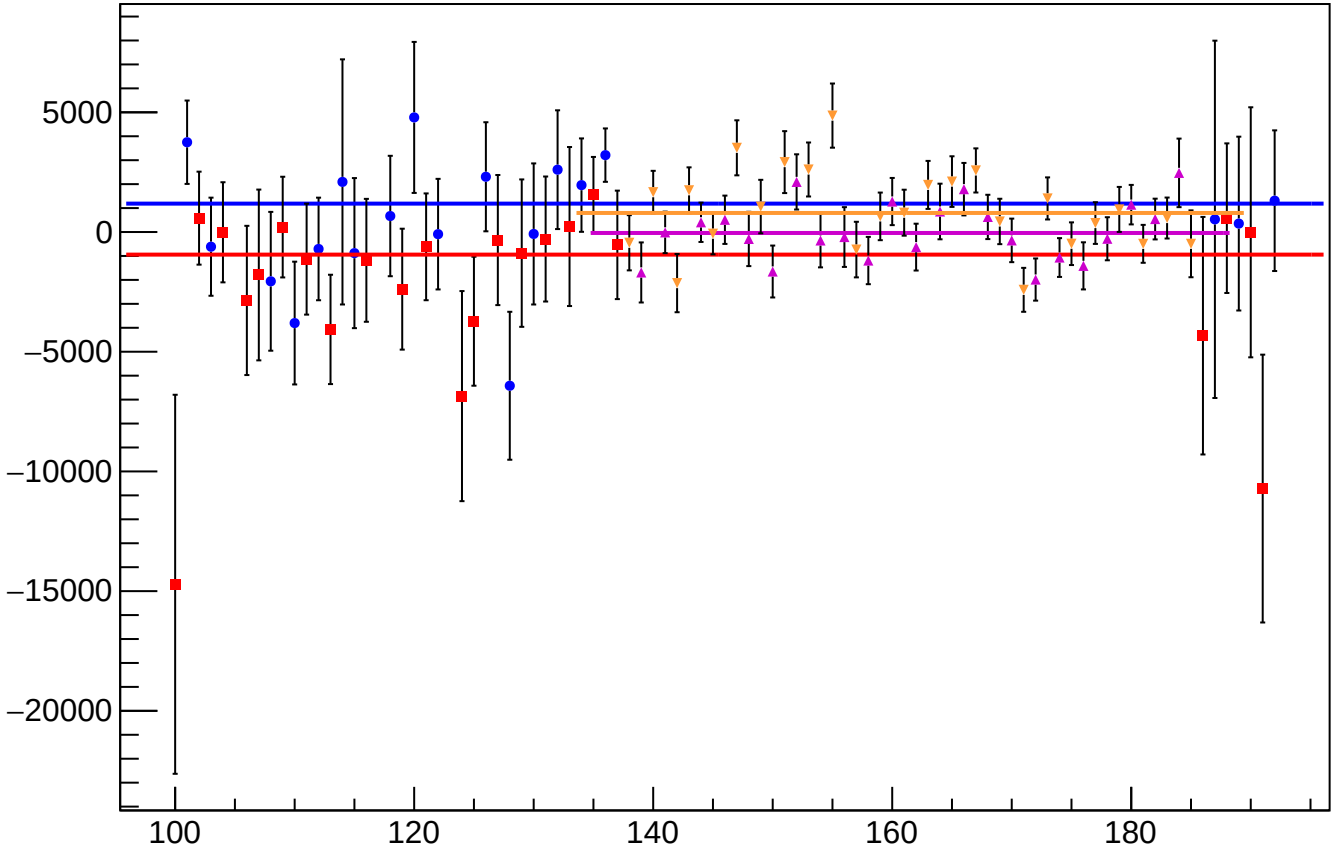
Right: 1588.365+/-0.274 χ^2/NDF: 2901920.1/41

In: 960.875+/-0.137 χ^2/NDF:4682419.4/41

Out: 958.010+/-0.133 χ^2/NDF:5451244.2/47

All: 959.405+/-0.095 χ^2/NDF: 10133889.5/89

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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: -943.829+/-551.709 χ^2/NDF: 16.3/22

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

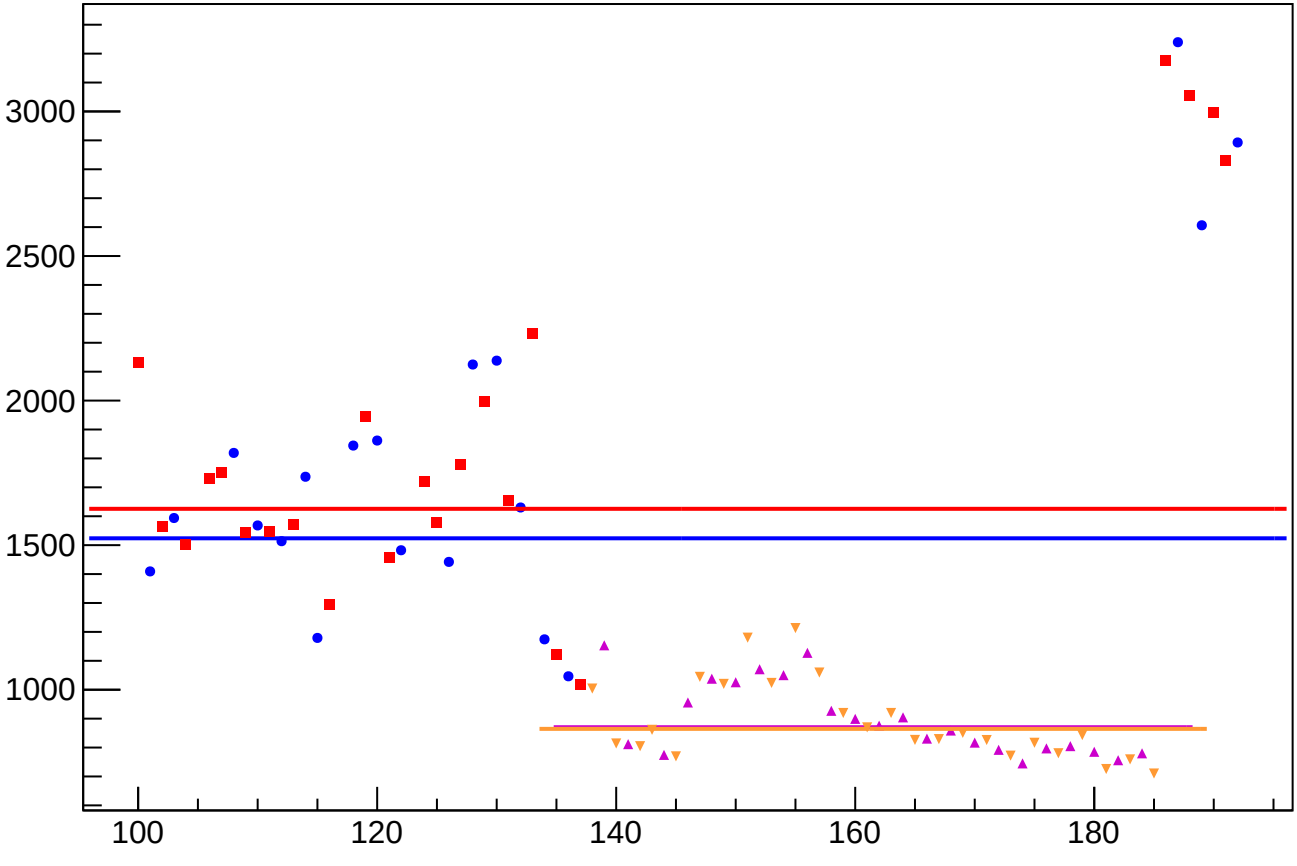
Right: 154.068+/-384.044 χ^2/NDF: 45.2/41

In: 117.712+/-191.709 χ^2/NDF:55.5/41

Out: 596.309+/-187.030 χ^2/NDF:82.3/47

All: 362.922+/-133.874 χ^2/NDF: 141.0/89

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: 1625.684+/-0.390 χ^2/NDF: 1404551.3/22

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

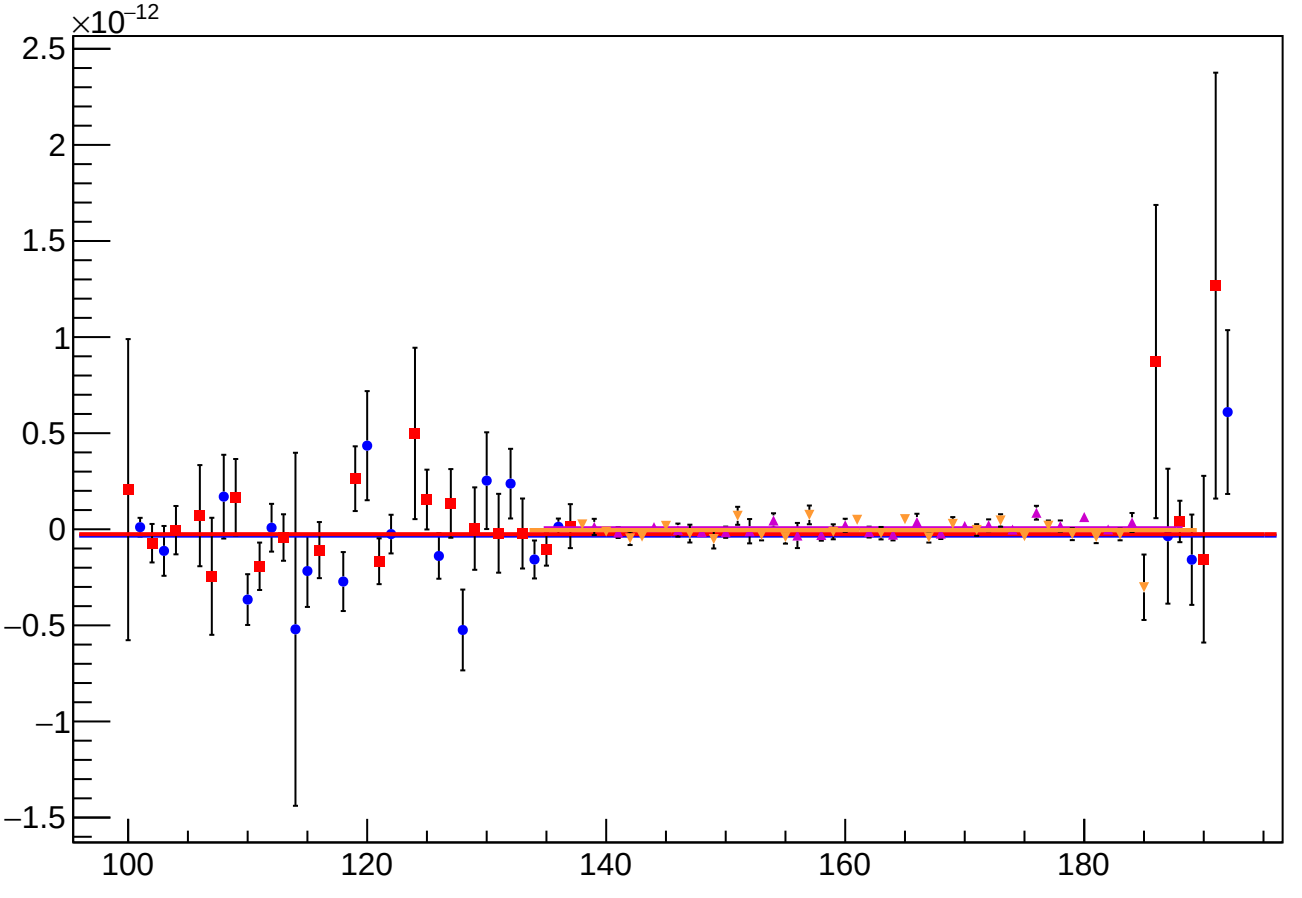
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1573.112+/-0.272 χ^2/NDF: 2873247.4/41

In: 954.263+/-0.136 χ^2/NDF:4638340.4/41

Out: 952.098+/-0.132 χ^2/NDF:5461829.5/47

All: 953.153+/-0.095 χ^2/NDF: 10100300.6/89



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: 16.1/22

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

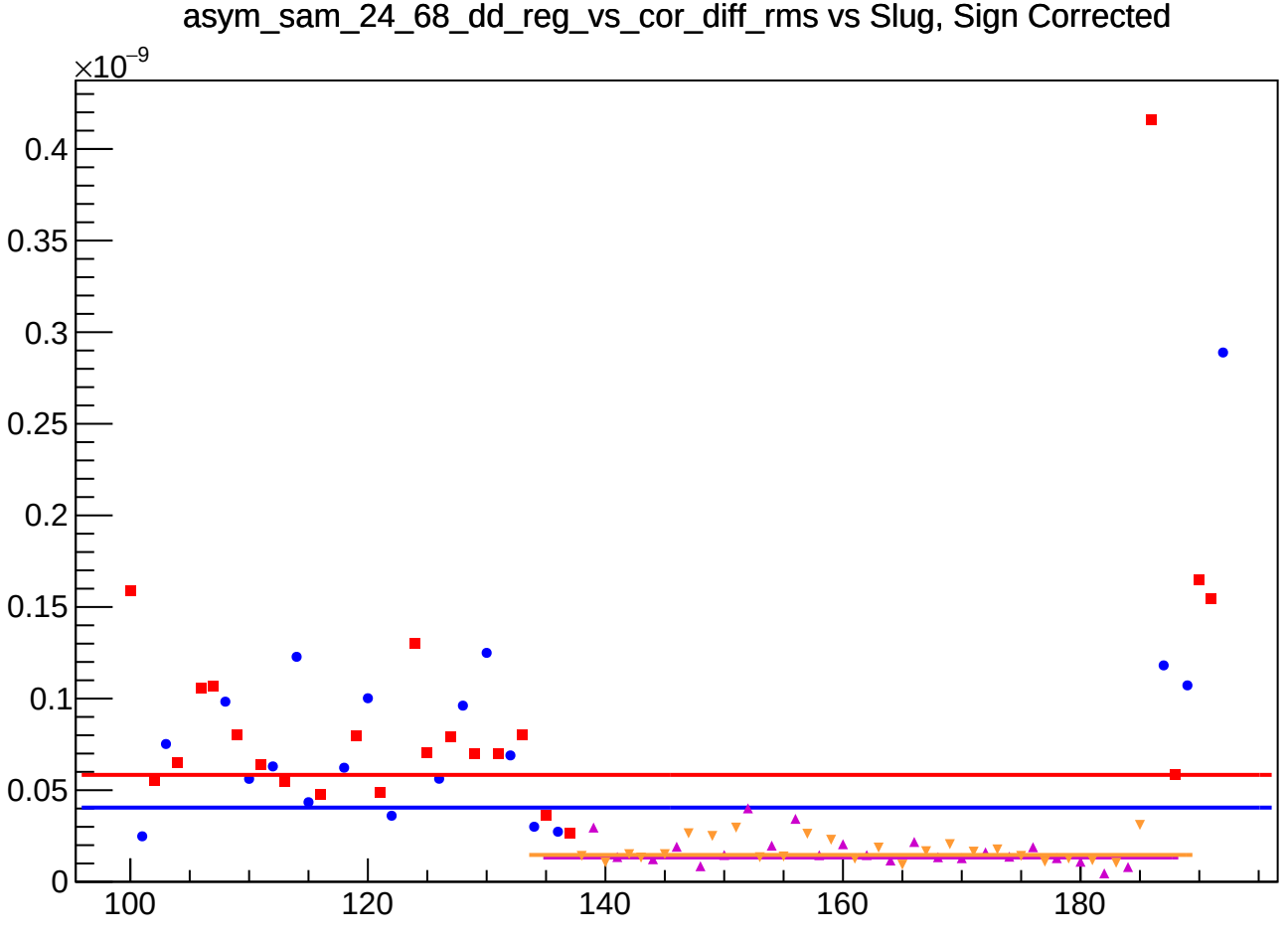
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 46.1/41

In: 0.000+/-0.000 χ^2/NDF:52.9/41

Out: -0.000+/-0.000 χ^2/NDF:55.3/47

All: -0.000+/-0.000 χ^2/NDF: 109.1/89



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: 1185865.0/22

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

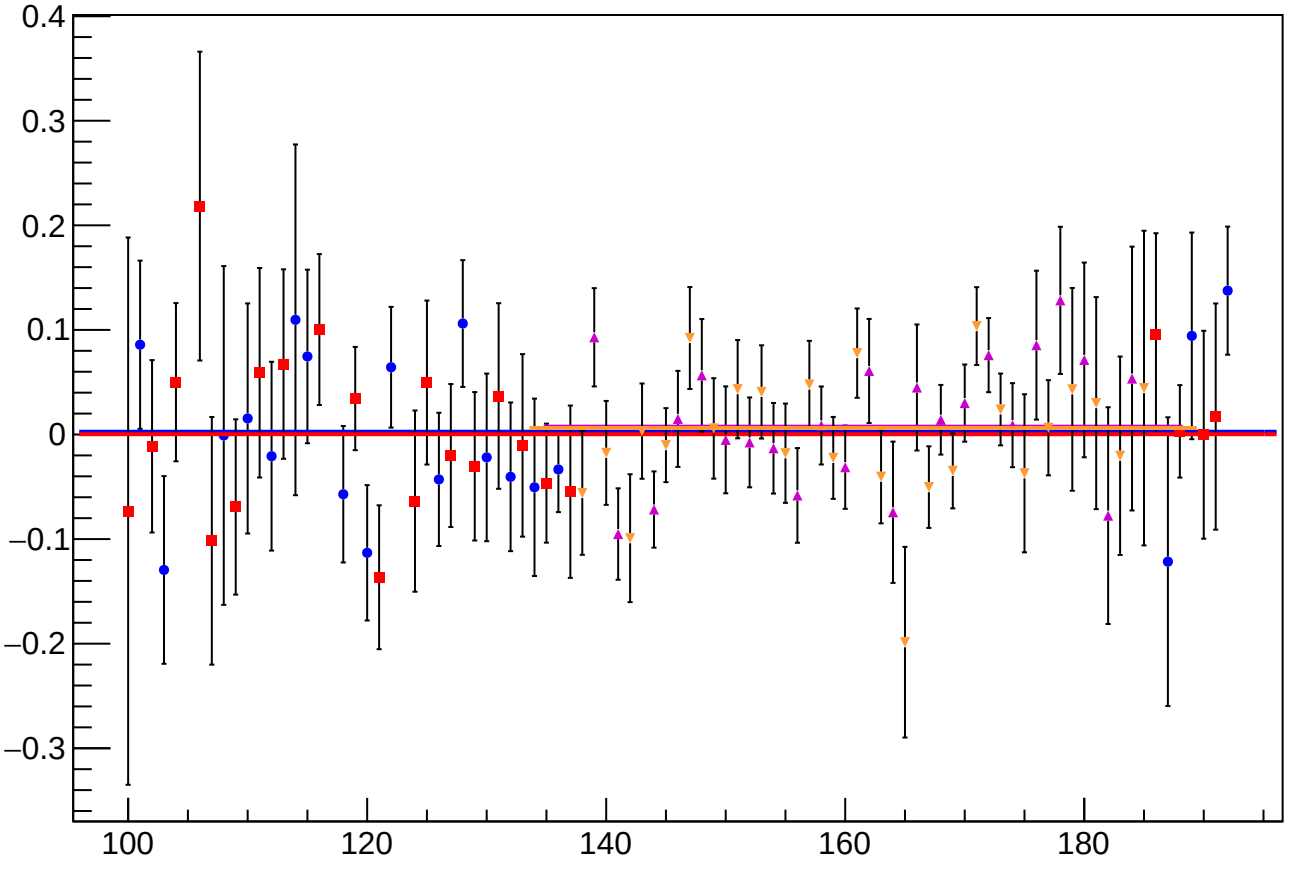
Right: 0.000+/-0.000 χ^2/NDF: 3906413.7/41

In: 0.000+/-0.000 χ^2/NDF:6583093.9/41

Out: 0.000+/-0.000 χ^2/NDF:5836799.4/47

All: 0.000+/-0.000 χ^2/NDF: 12474080.8/89

asym_sam_24_68_dd_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: 0.000+/-0.016 χ^2/NDF: 14.9/22

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

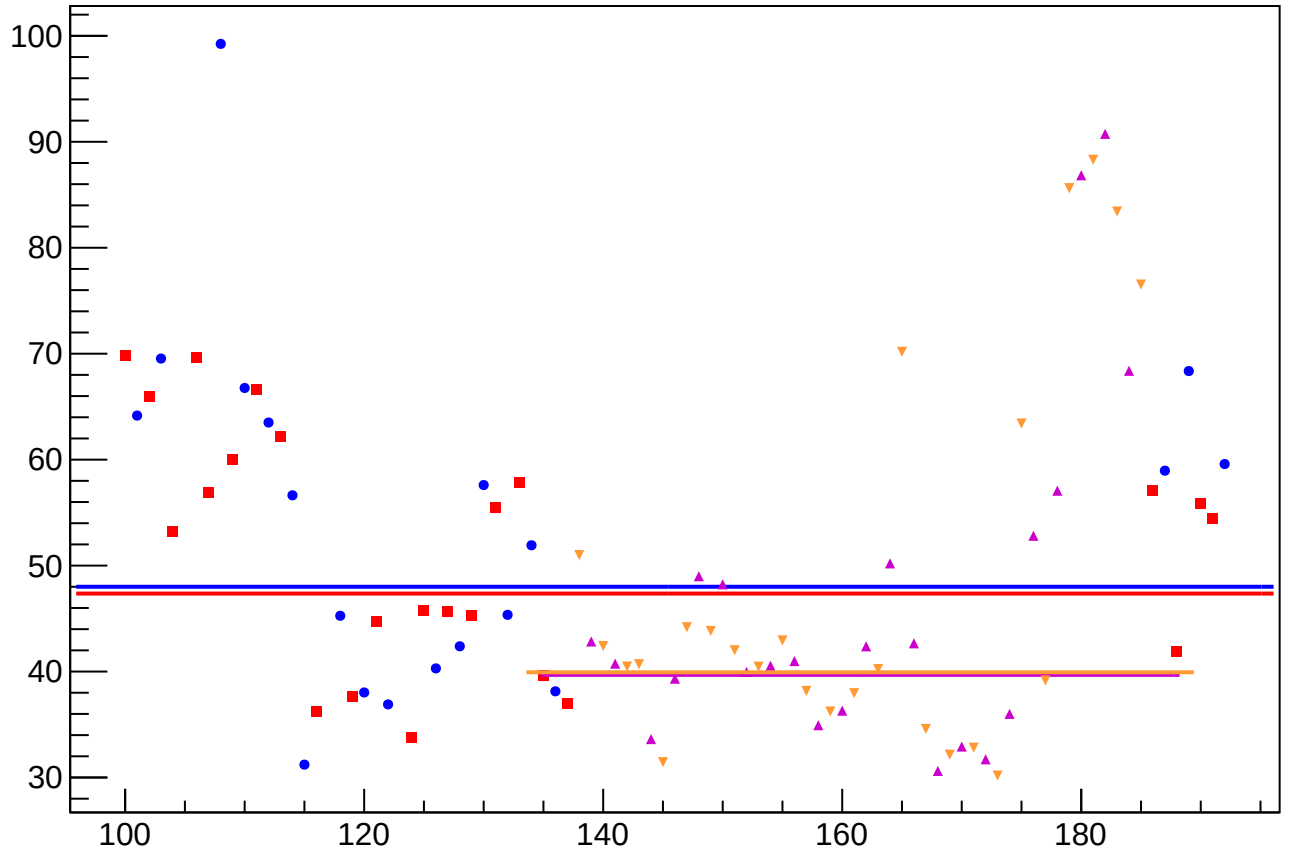
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: 0.001+/-0.012 χ^2/NDF: 36.2/41

In: 0.006+/-0.008 χ^2/NDF:51.7/41

Out: 0.005+/-0.008 χ^2/NDF:45.8/47

All: 0.005+/-0.006 χ^2/NDF: 97.6/89



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: 47.360+/-0.011 χ^2/NDF: 728409.8/22

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

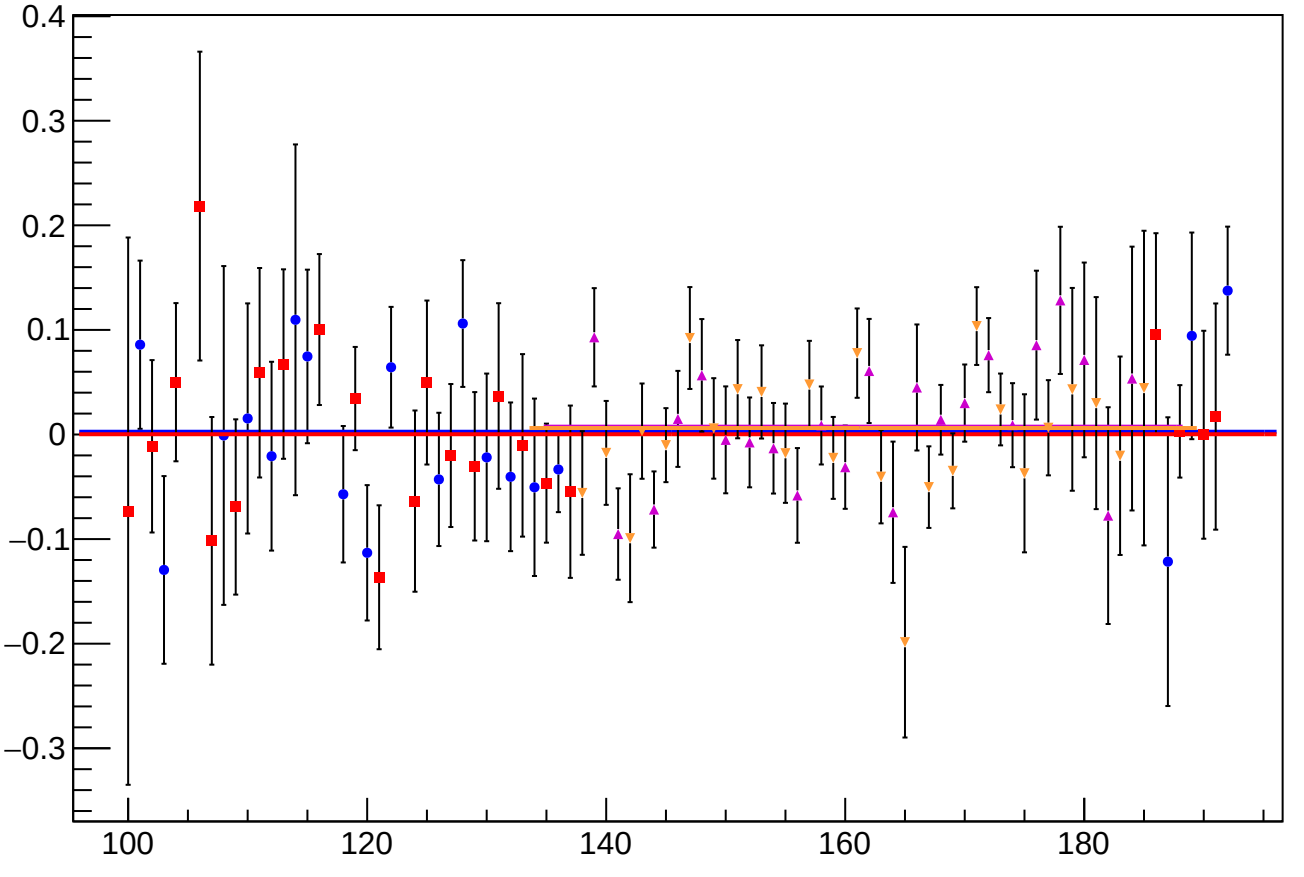
Right: 47.666+/-0.008 χ^2/NDF: 1823740.6/41

In: 41.775+/-0.006 χ^2/NDF:3373409.4/41

Out: 41.872+/-0.006 χ^2/NDF:3518783.2/47

All: 41.825+/-0.004 χ^2/NDF: 6892327.1/89

asym_sam_24_68_dd_dit_vs_eigen_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: 0.000+/-0.016 χ^2/NDF: 14.9/22

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

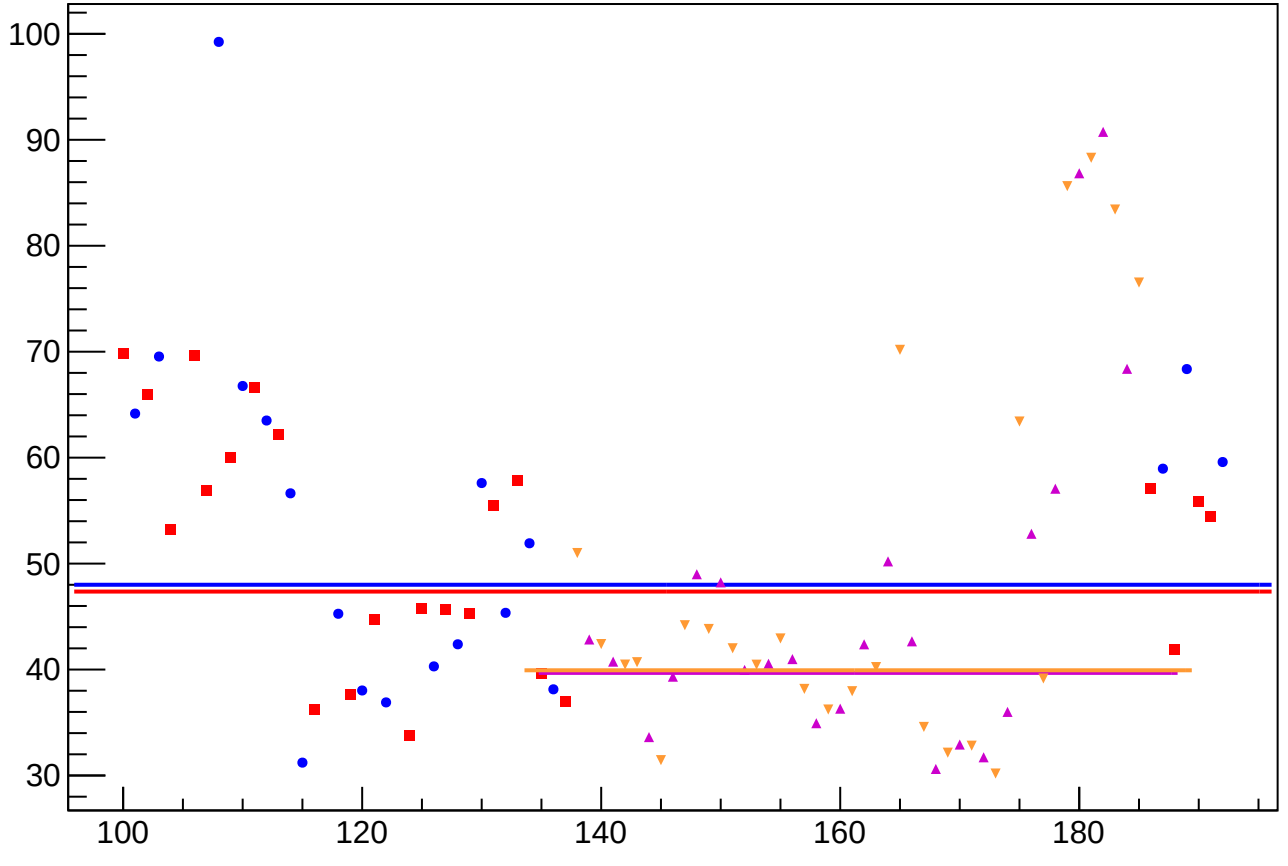
Right: 0.001+/-0.012 χ^2/NDF: 36.2/41

In: 0.006+/-0.008 χ^2/NDF:51.7/41

Out: 0.005+/-0.008 χ^2/NDF:45.8/47

All: 0.005+/-0.006 χ^2/NDF: 97.6/89

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: 47.360+/-0.011 χ^2/NDF: 728409.8/22

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

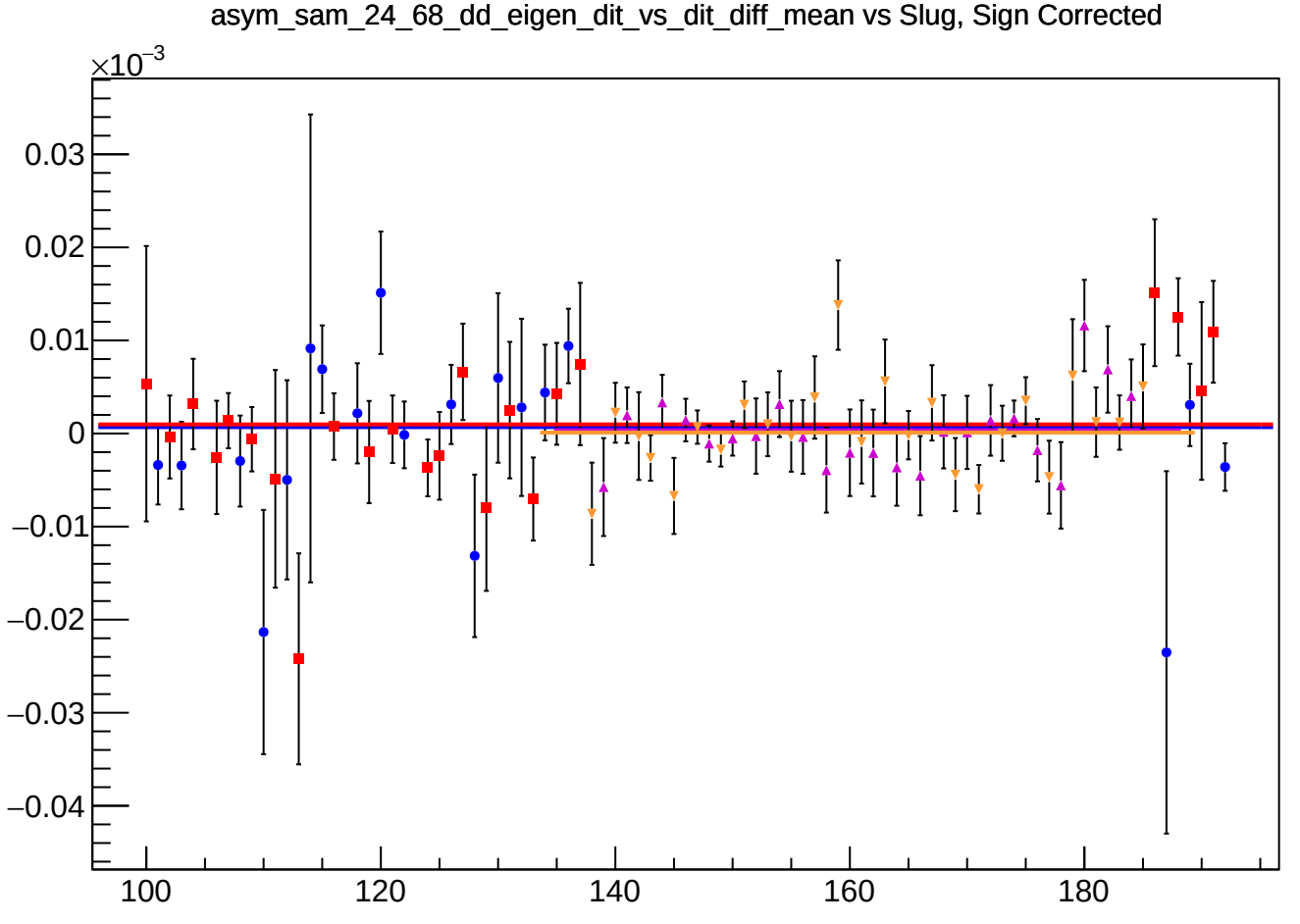
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 47.666+/-0.008 χ^2/NDF: 1823740.6/41

In: 41.775+/-0.006 χ^2/NDF:3373409.4/41

Out: 41.872+/-0.006 χ^2/NDF:3518783.2/47

All: 41.825+/-0.004 χ^2/NDF: 6892327.1/89



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: 30.1/22

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

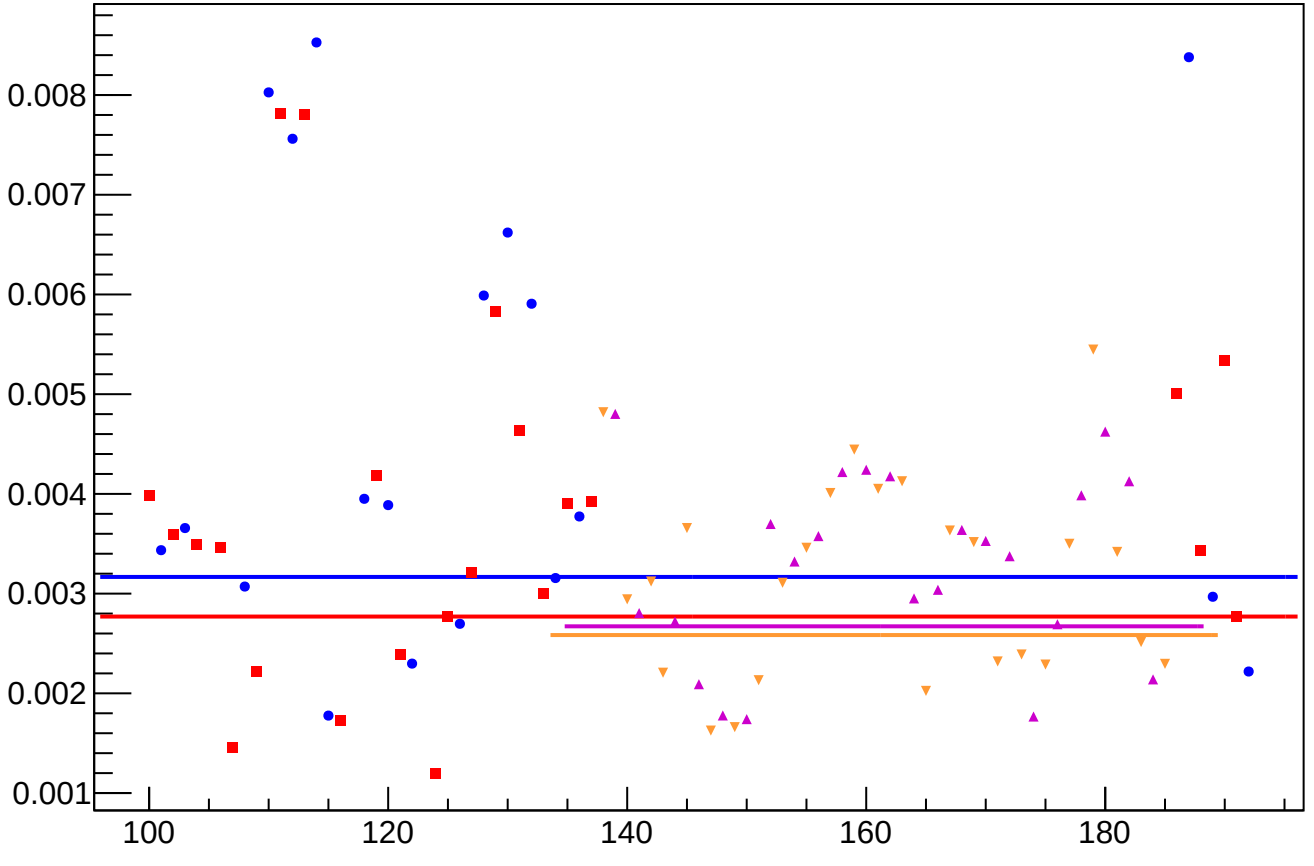
Right: 0.000+/-0.000 χ^2/NDF: 55.4/41

In: 0.000+/-0.000 χ^2/NDF:44.1/41

Out: 0.000+/-0.000 χ^2/NDF:63.8/47

All: 0.000+/-0.000 χ^2/NDF: 107.9/89

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 3079098.8/22

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

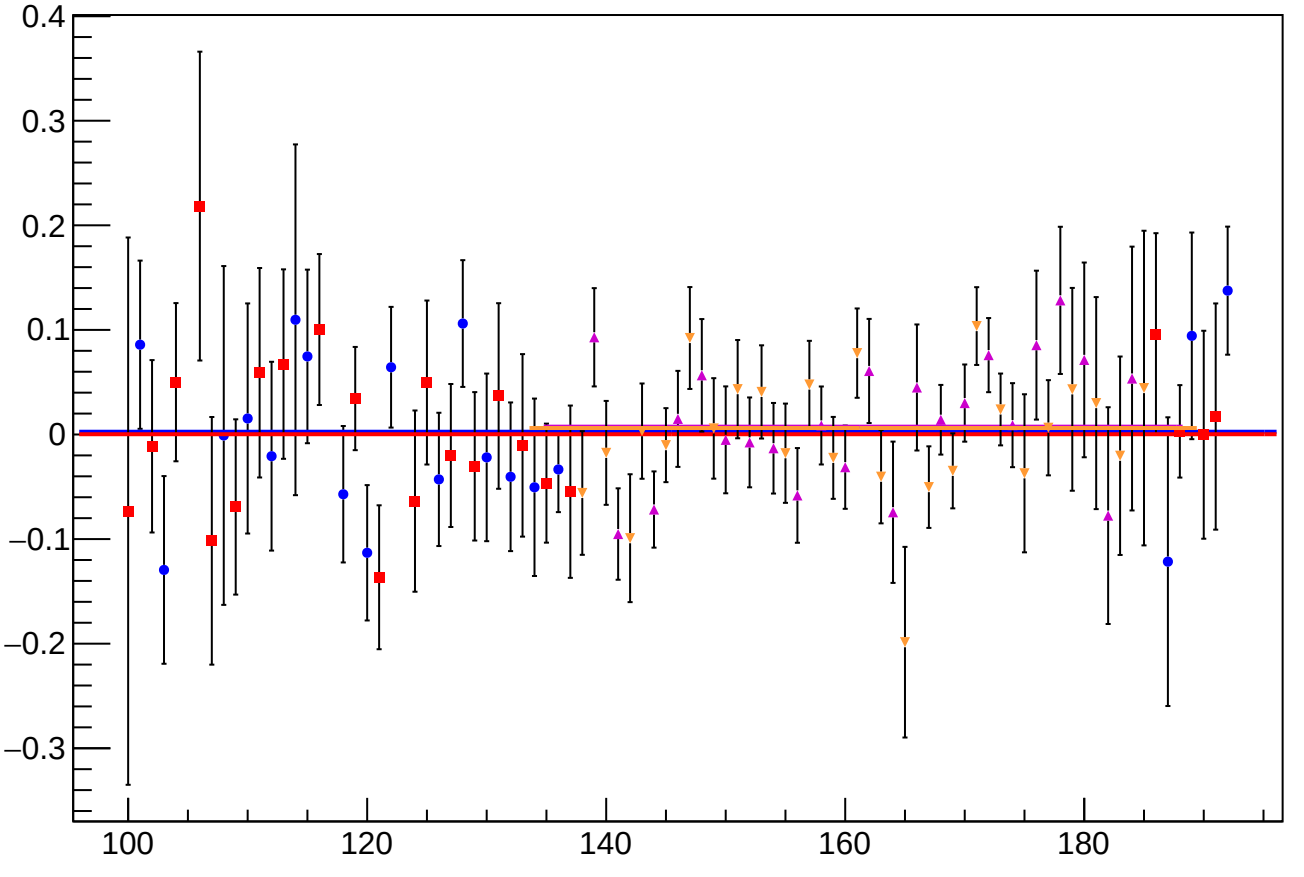
Right: 0.003+/-0.000 χ^2/NDF: 5458301.4/41

In: 0.003+/-0.000 χ^2/NDF:6345177.1/41

Out: 0.003+/-0.000 χ^2/NDF:7019817.6/47

All: 0.003+/-0.000 χ^2/NDF: 13447236.2/89

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: 0.000+/-0.016 χ^2/NDF: 14.9/22

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

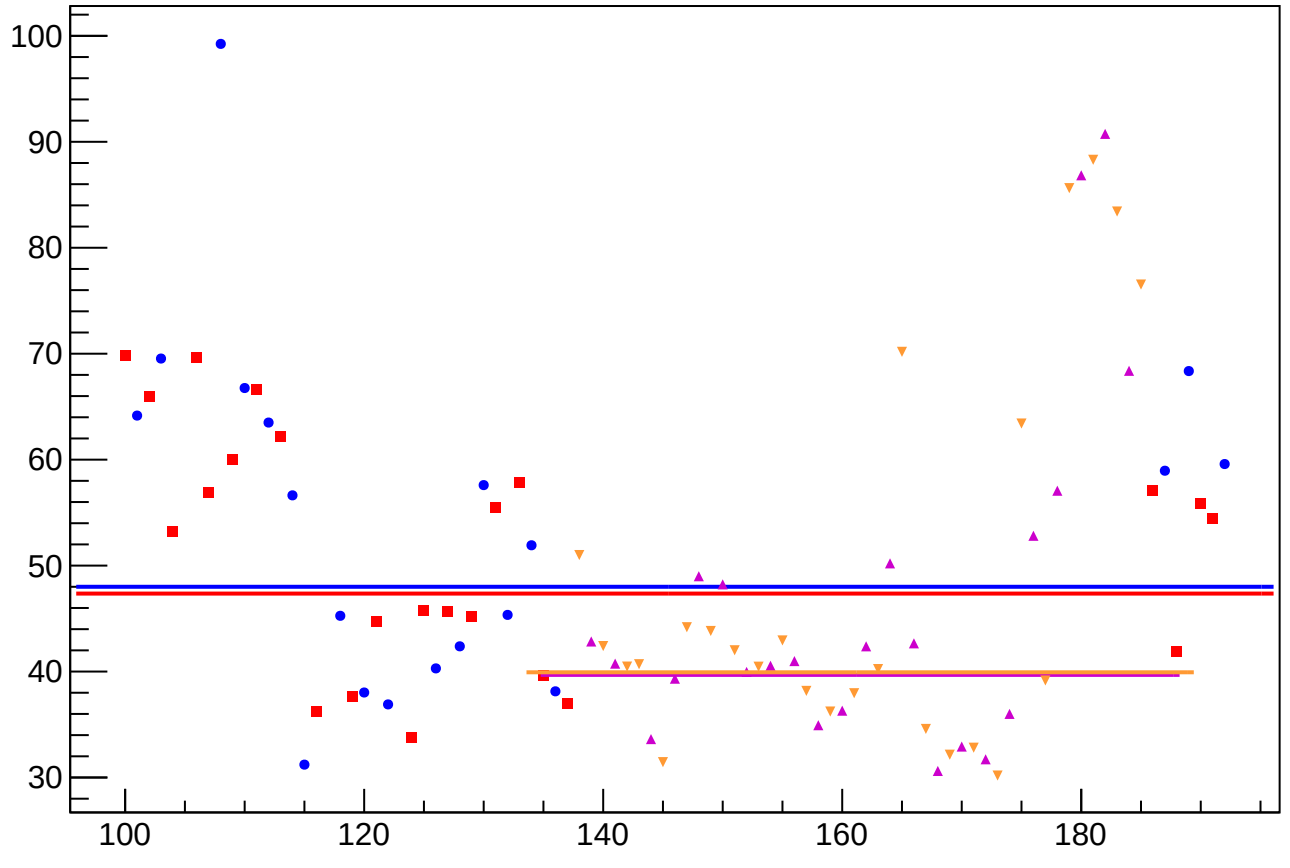
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: 0.001+/-0.012 χ^2/NDF: 36.2/41

In: 0.006+/-0.008 χ^2/NDF:51.7/41

Out: 0.005+/-0.008 χ^2/NDF:45.8/47

All: 0.005+/-0.006 χ^2/NDF: 97.6/89



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: 47.359+/-0.011 χ^2/NDF: 728393.1/22

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

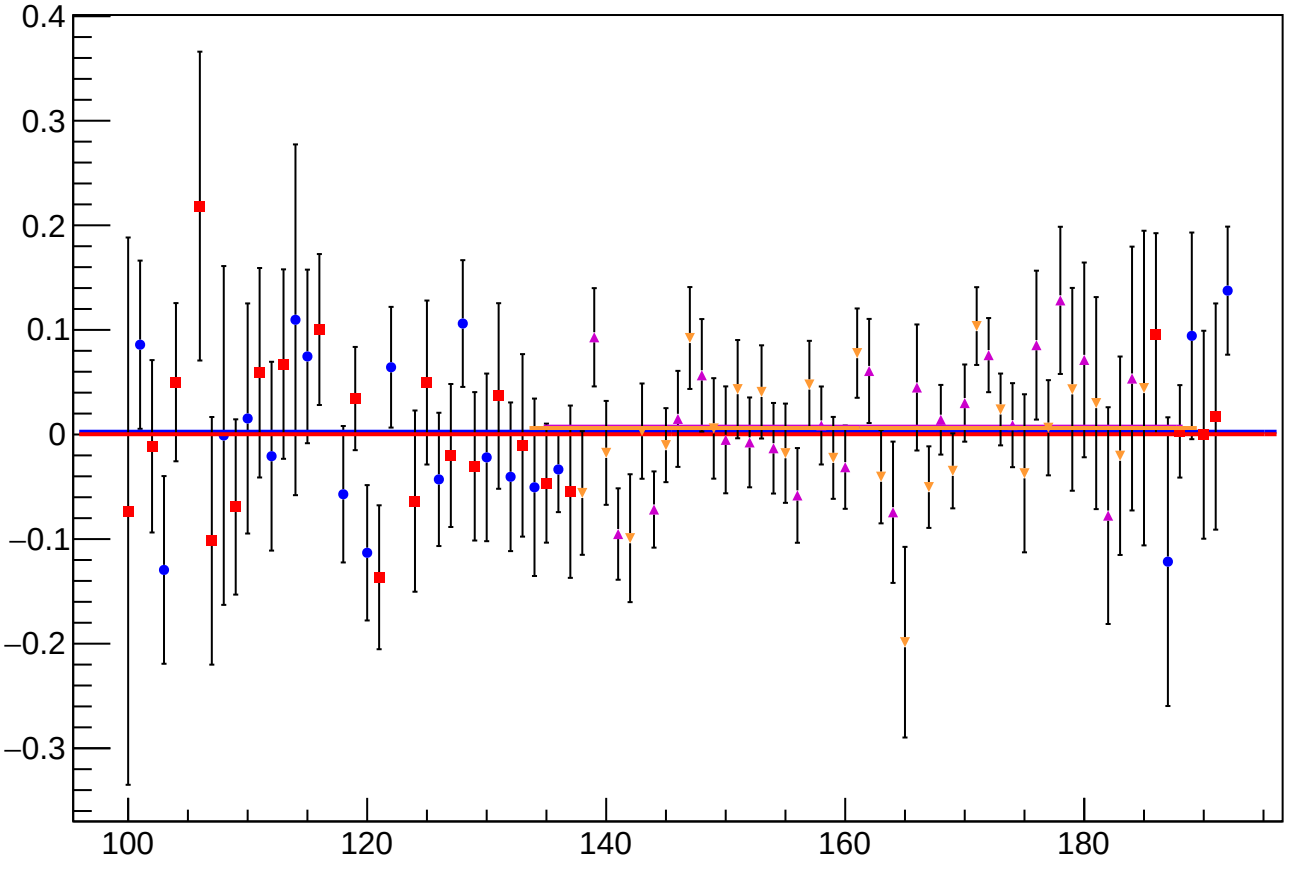
Right: 47.665+/-0.008 χ^2/NDF: 1823713.1/41

In: 41.774+/-0.006 χ^2/NDF:3373329.6/41

Out: 41.871+/-0.006 χ^2/NDF:3518742.2/47

All: 41.824+/-0.004 χ^2/NDF: 6892207.2/89

asym_sam_24_68_dd_eigen_dit_vs_eigen_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: 0.000+/-0.016 χ^2/NDF: 14.9/22

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

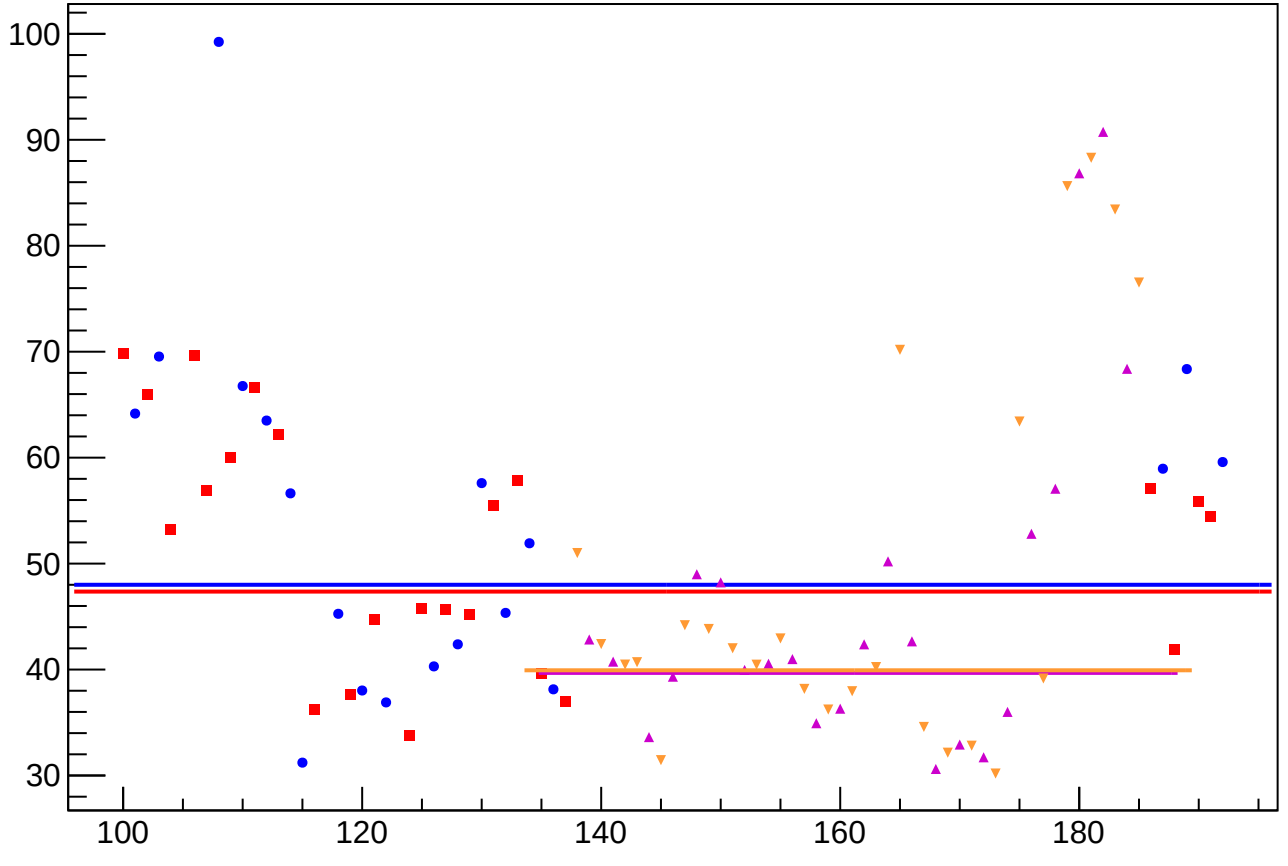
Right: 0.001+/-0.012 χ^2/NDF: 36.2/41

In: 0.006+/-0.008 χ^2/NDF:51.7/41

Out: 0.005+/-0.008 χ^2/NDF:45.8/47

All: 0.005+/-0.006 χ^2/NDF: 97.6/89

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: 47.359+/-0.011 χ^2/NDF: 728393.1/22

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

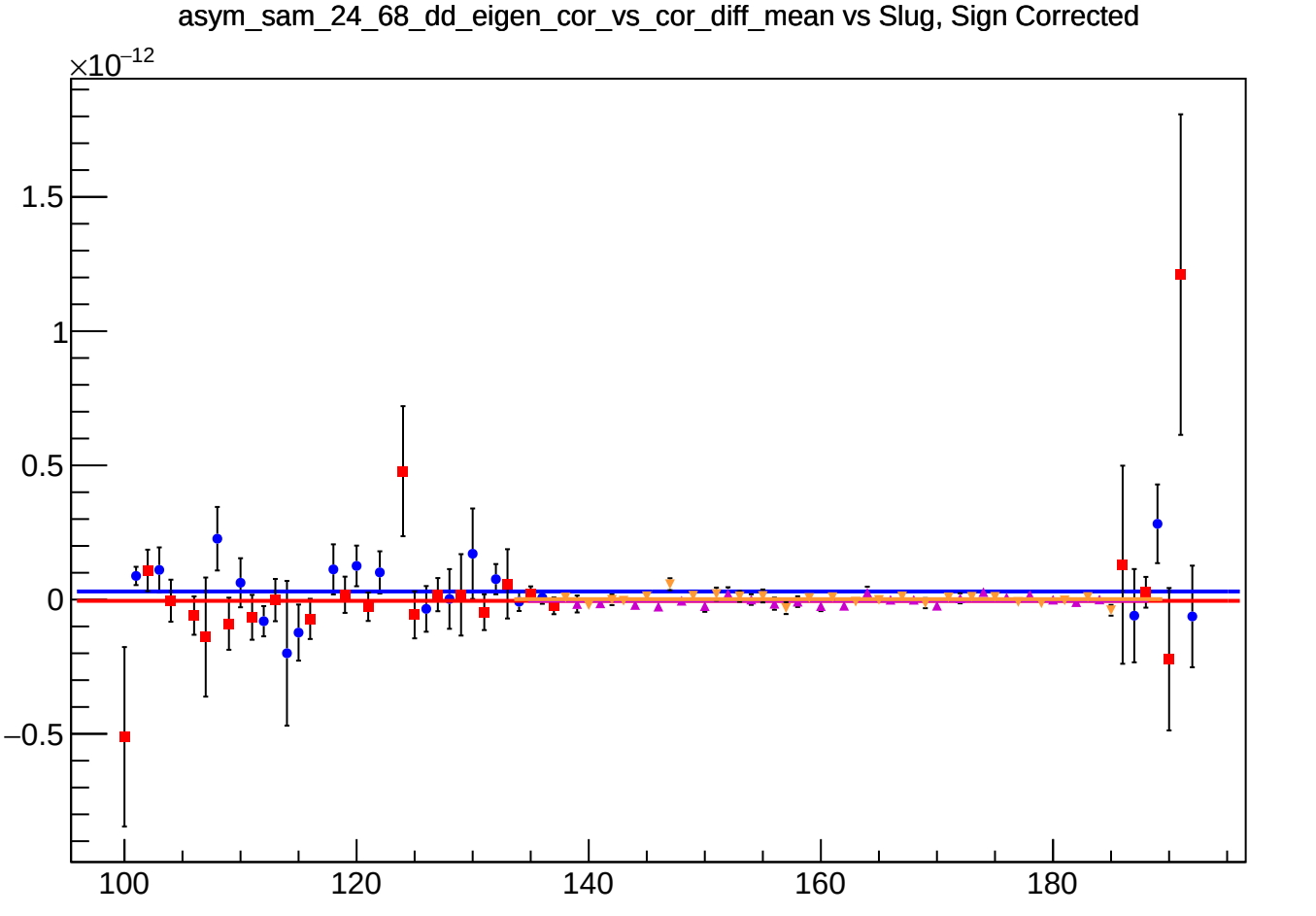
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 47.665+/-0.008 χ^2/NDF: 1823713.1/41

In: 41.774+/-0.006 χ^2/NDF:3373329.6/41

Out: 41.871+/-0.006 χ^2/NDF:3518742.2/47

All: 41.824+/-0.004 χ^2/NDF: 6892207.2/89



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: 19.5/22

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

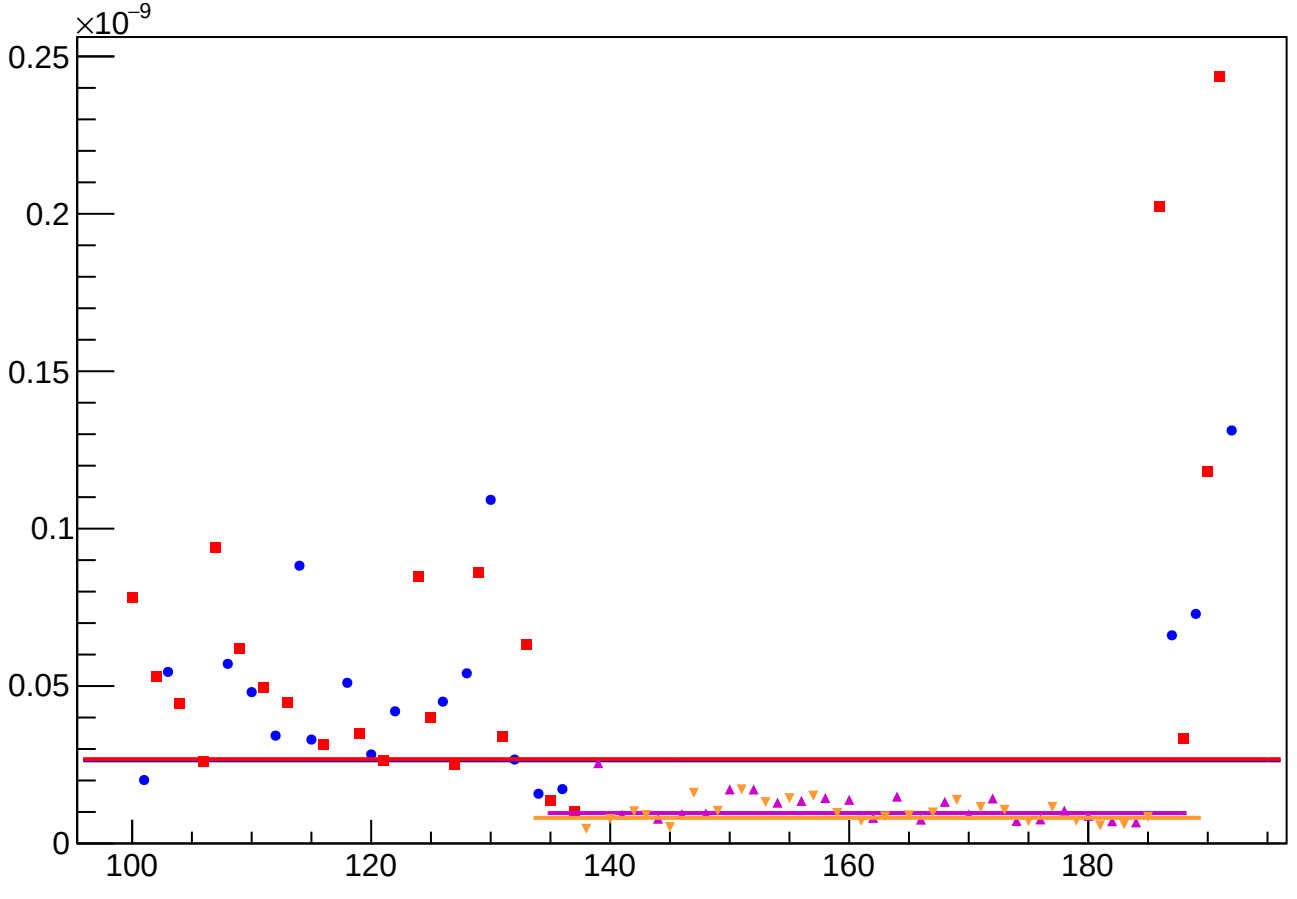
Right: 0.000+/-0.000 χ^2/NDF: 47.2/41

In: -0.000+/-0.000 χ^2/NDF:58.1/41

Out: 0.000+/-0.000 χ^2/NDF:47.7/47

All: -0.000+/-0.000 χ^2/NDF: 106.8/89

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 3784008.5/22

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

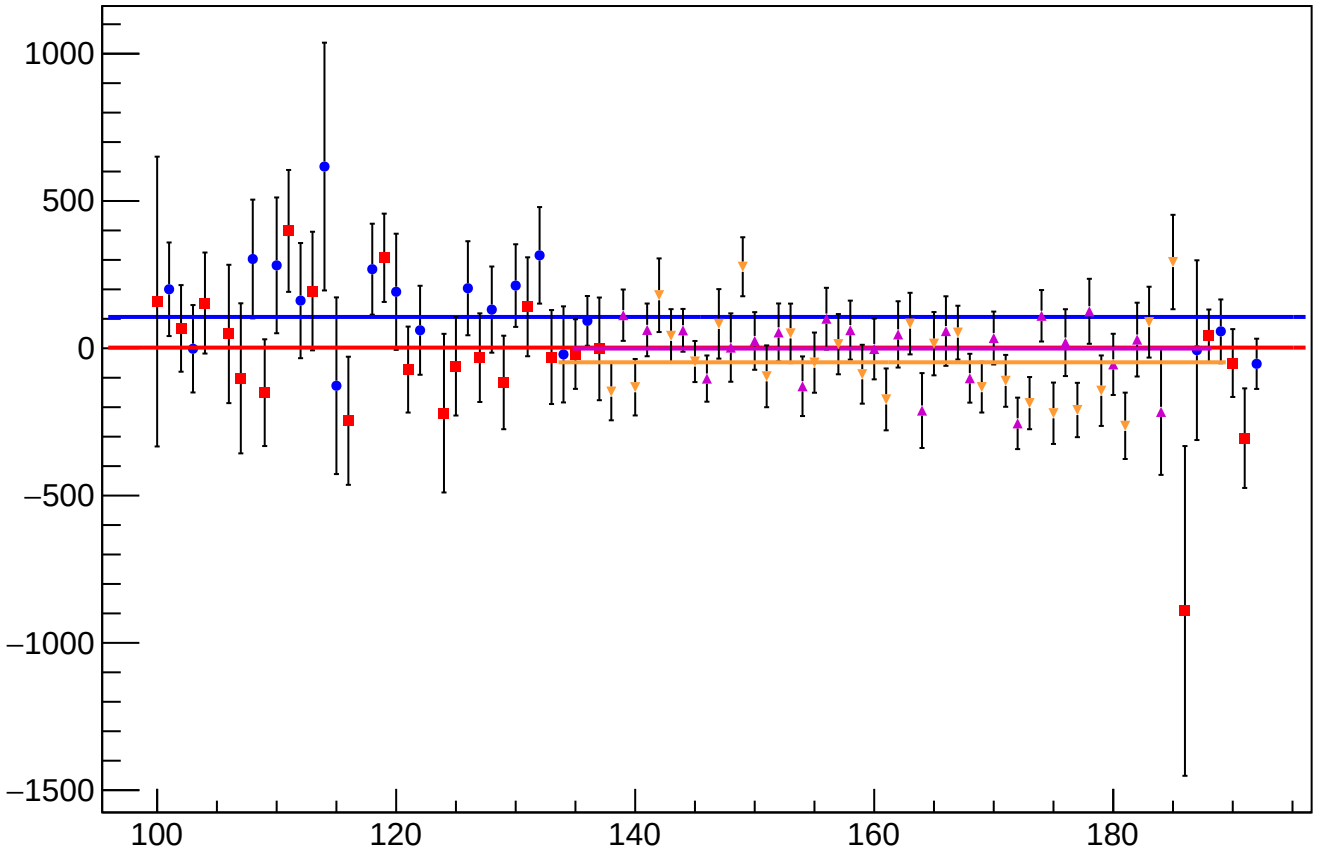
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 6836652.0/41

In: 0.000+/-0.000 χ^2/NDF:8133405.2/41

Out: 0.000+/-0.000 χ^2/NDF:9618417.3/47

All: 0.000+/-0.000 χ^2/NDF: 18139521.9/89



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: 2.307+/-34.092 χ^2/NDF: 20.7/22

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

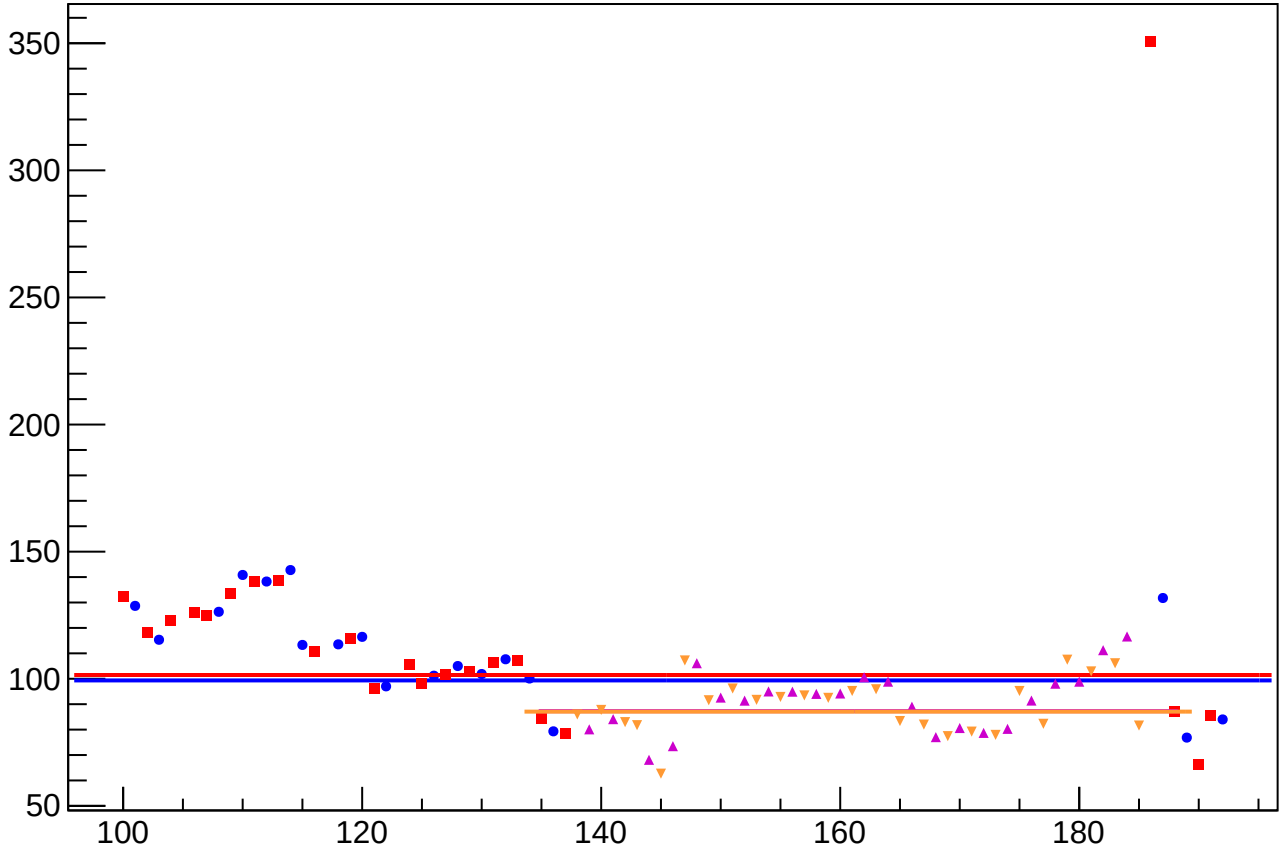
Right: 54.587+/-24.050 χ^2/NDF: 38.4/41

In: 27.935+/-17.611 χ^2/NDF:45.8/41

Out: -34.781+/-17.240 χ^2/NDF:66.3/47

All: -4.092+/-12.320 χ^2/NDF: 118.6/89

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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: 101.479+/-0.024 χ^2/NDF: 1059237.3/22

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

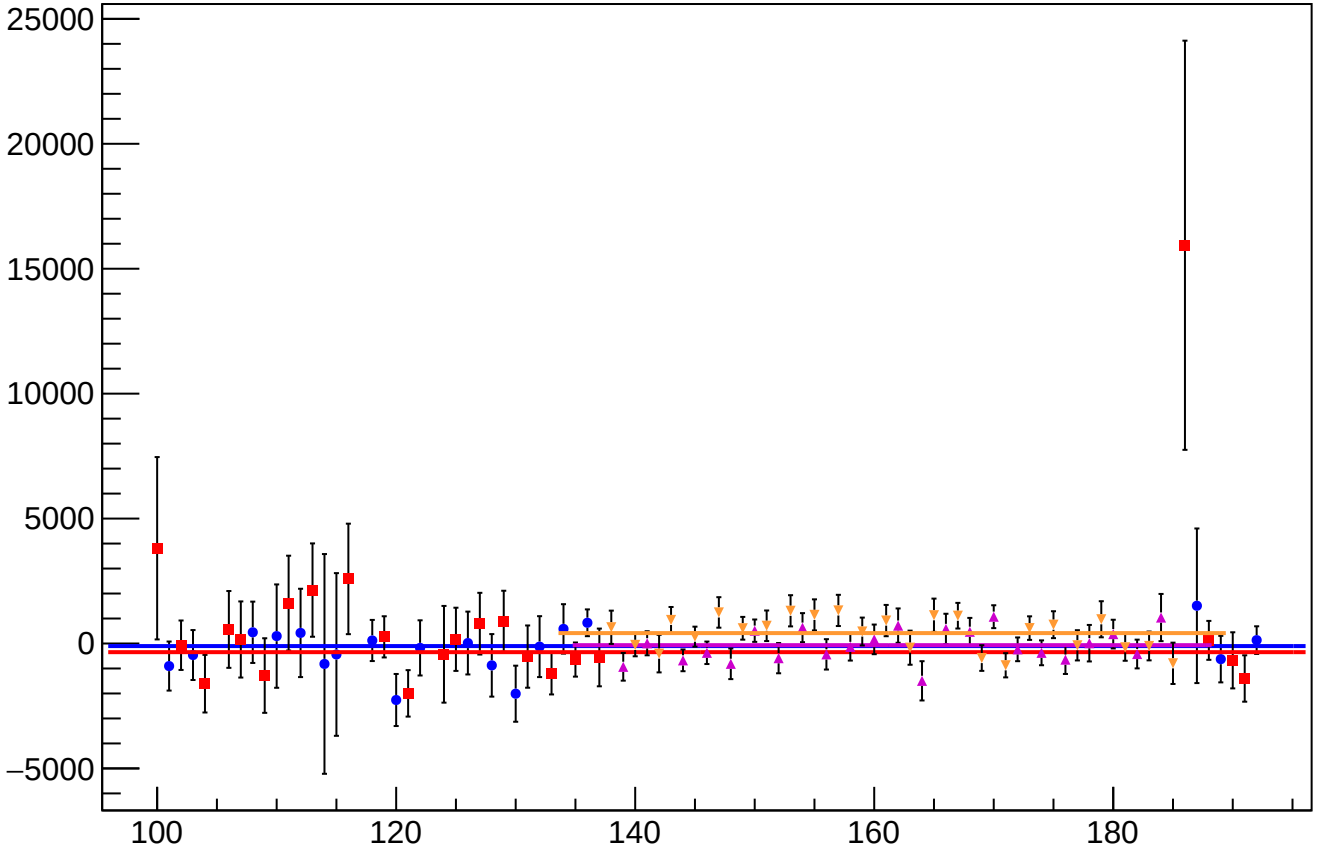
Right: 100.409+/-0.017 χ^2/NDF: 1687939.3/41

In: 90.514+/-0.012 χ^2/NDF:1406123.9/41

Out: 90.756+/-0.012 χ^2/NDF:1945715.7/47

All: 90.637+/-0.009 χ^2/NDF: 3352032.8/89

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: -346.672+/-240.287 χ^2/NDF: 20.7/22

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

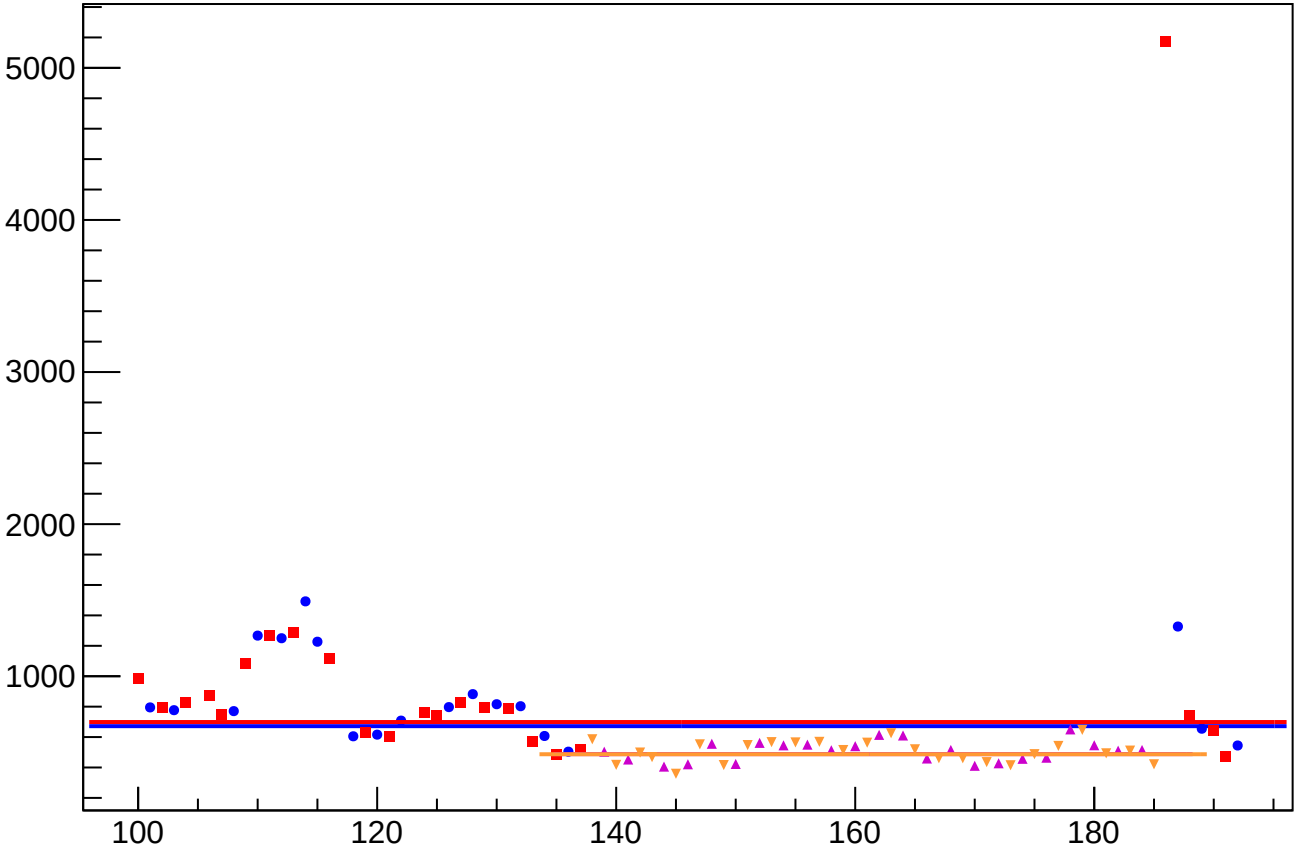
Right: -221.293+/-167.360 χ^2/NDF: 34.3/41

In: -73.853+/-103.446 χ^2/NDF:40.6/41

Out: 279.555+/-101.764 χ^2/NDF:61.4/47

All: 105.747+/-72.545 χ^2/NDF: 108.0/89

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: 698.851+/-0.170 χ^2/NDF: 1769666.0/22

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

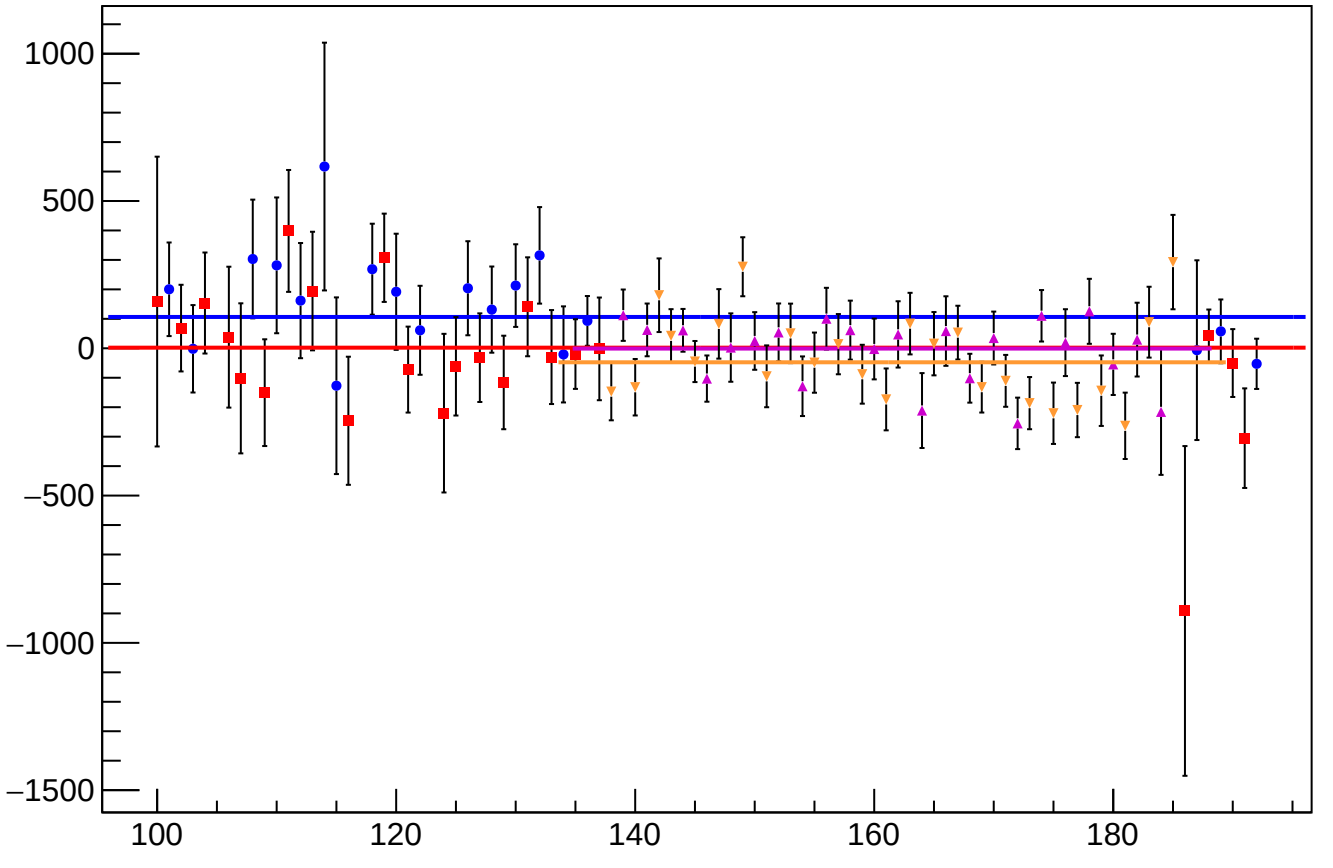
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 684.856+/-0.118 χ^2/NDF: 2910742.7/41

In: 524.074+/-0.073 χ^2/NDF:2759204.0/41

Out: 525.064+/-0.072 χ^2/NDF:3865759.2/47

All: 524.577+/-0.051 χ^2/NDF: 6625056.4/89



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: 2.110+/-34.106 χ^2/NDF: 20.7/22

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

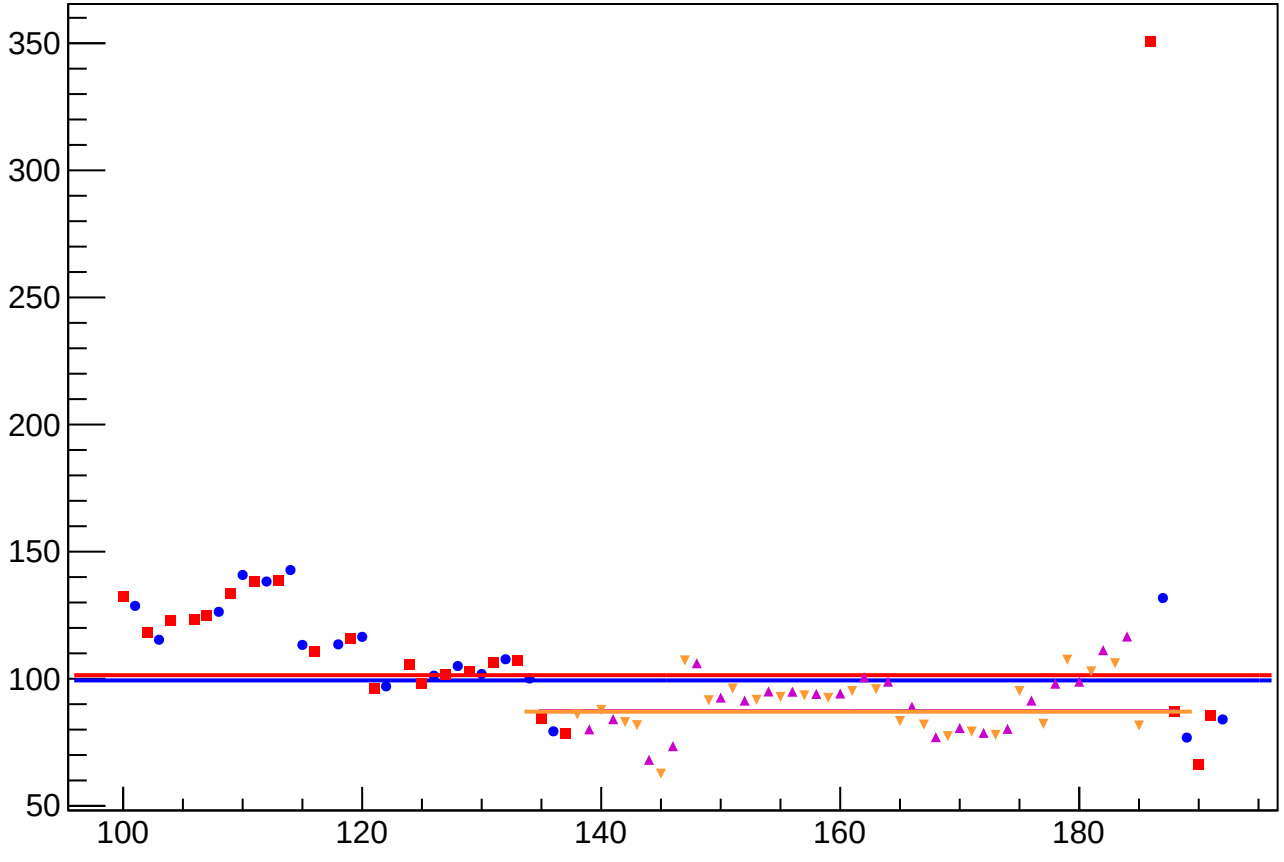
Right: 54.504+/-24.055 χ^2/NDF: 38.4/41

In: 27.930+/-17.611 χ^2/NDF:45.8/41

Out: -34.845+/-17.241 χ^2/NDF:66.3/47

All: -4.124+/-12.320 χ^2/NDF: 118.5/89

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: 101.404+/-0.024 χ^2/NDF: 1053945.0/22

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

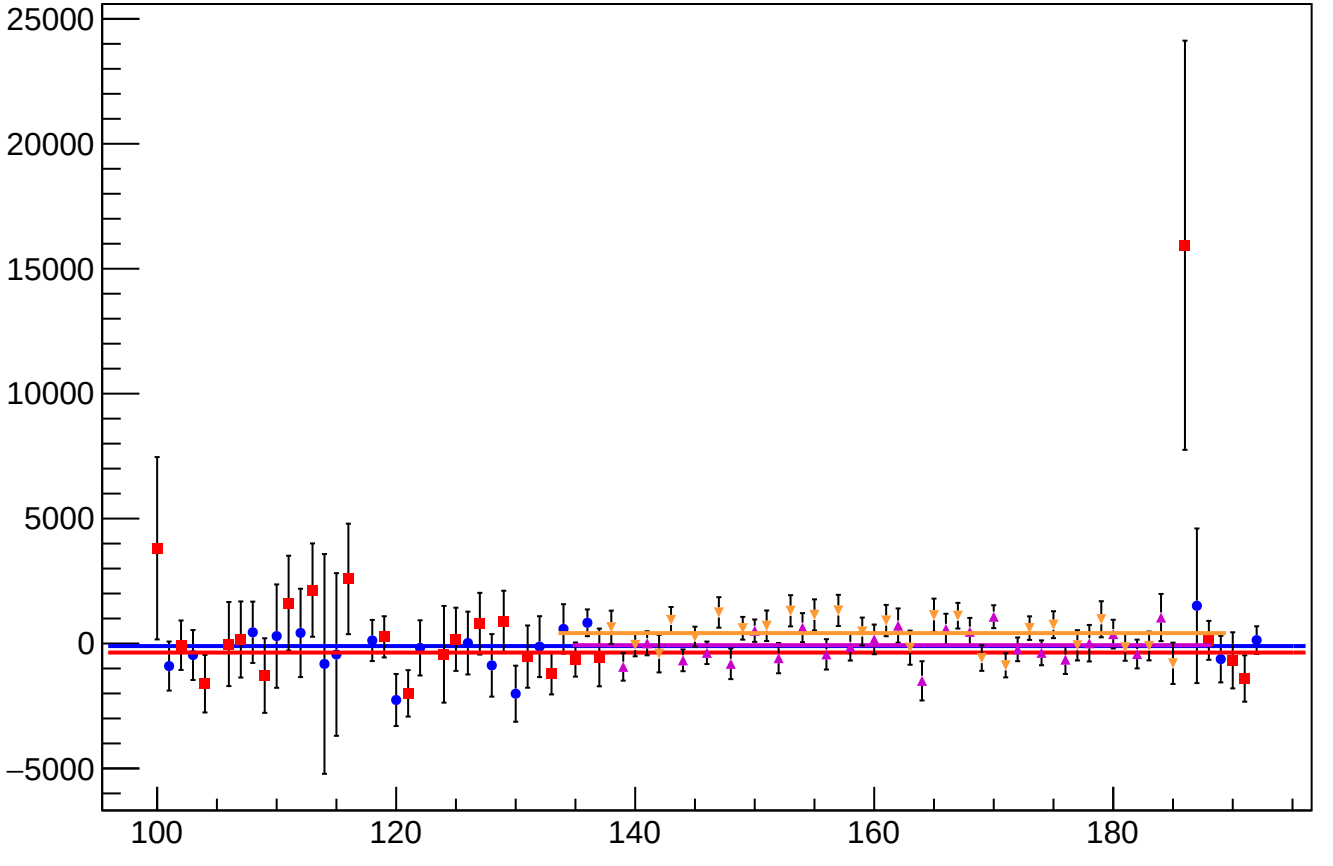
Right: 100.371+/-0.017 χ^2/NDF: 1682374.2/41

In: 90.514+/-0.012 χ^2/NDF:1406124.2/41

Out: 90.735+/-0.012 χ^2/NDF:1937506.1/47

All: 90.626+/-0.009 χ^2/NDF: 3343791.0/89

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: -362.321+/-240.783 χ^2/NDF: 20.4/22

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

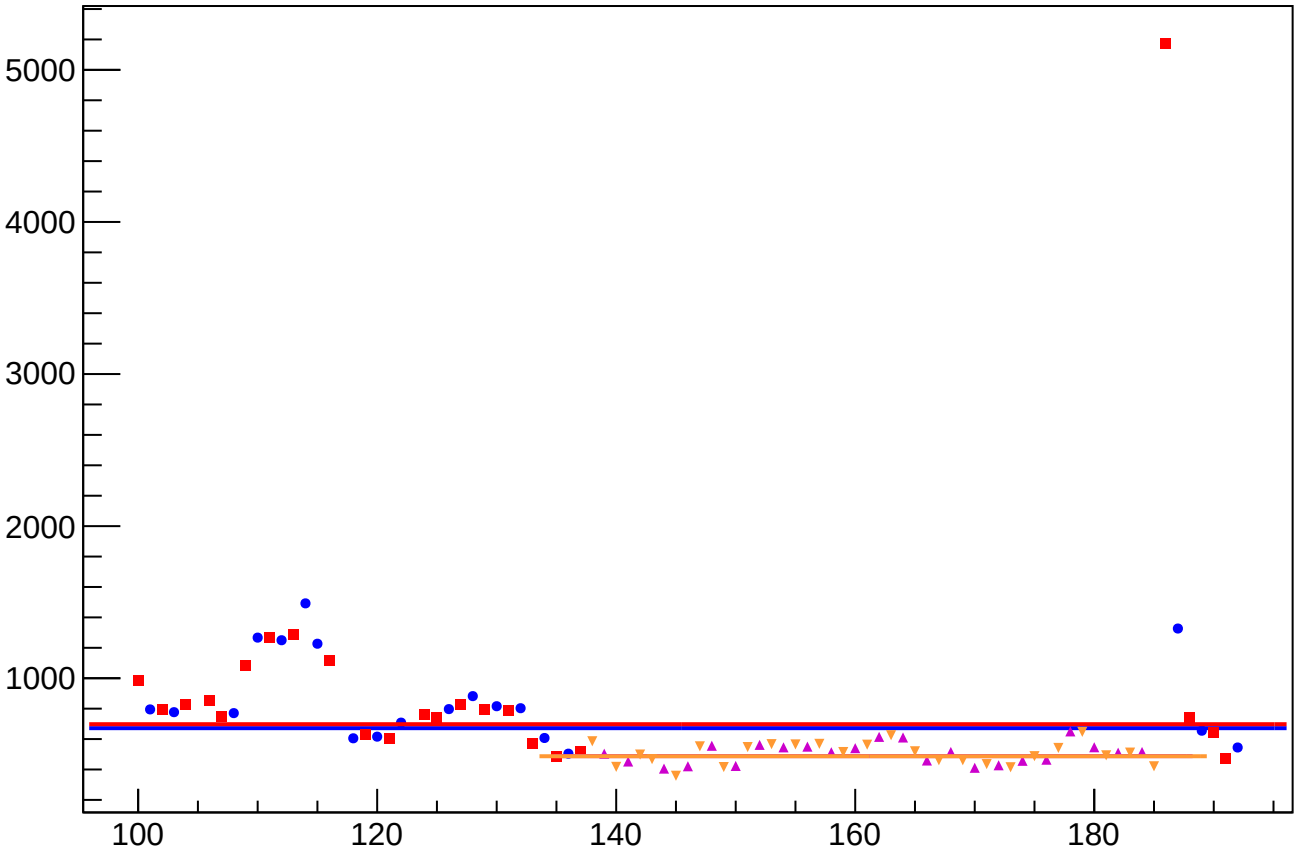
Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

Right: -228.616+/-167.528 χ^2/NDF: 34.1/41

In: -73.851+/-103.446 χ^2/NDF:40.6/41

Out: 277.213+/-101.802 χ^2/NDF:61.4/47

All: 104.493+/-72.559 χ^2/NDF: 107.9/89



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: 697.743+/-0.170 χ^2/NDF: 1760743.9/22

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

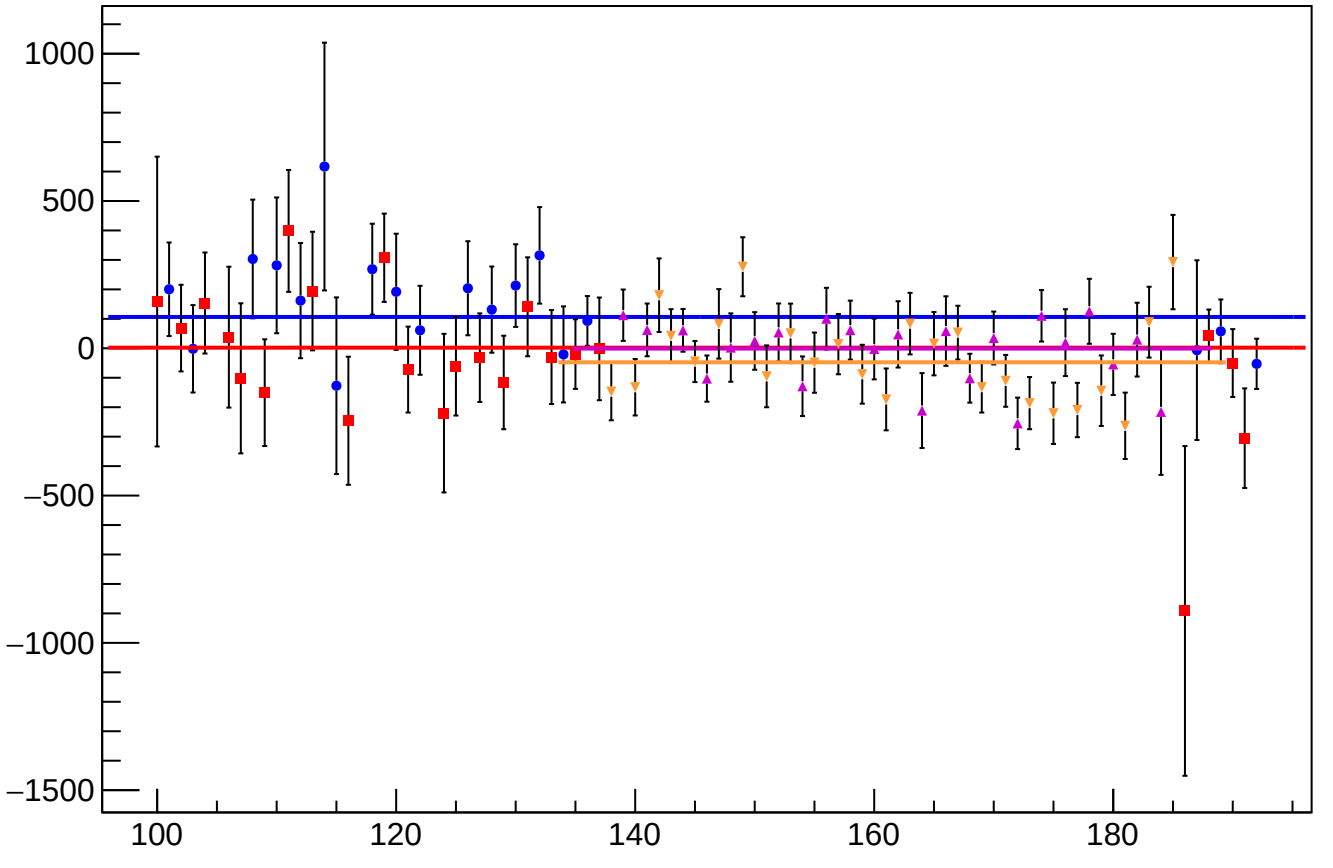
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 684.291+/-0.118 χ^2/NDF: 2900752.0/41

In: 524.074+/-0.073 χ^2/NDF:2759220.8/41

Out: 524.738+/-0.072 χ^2/NDF:3839260.8/47

All: 524.411+/-0.051 χ^2/NDF: 6598523.4/89



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: 2.110+/-34.106 χ^2/NDF: 20.7/22

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

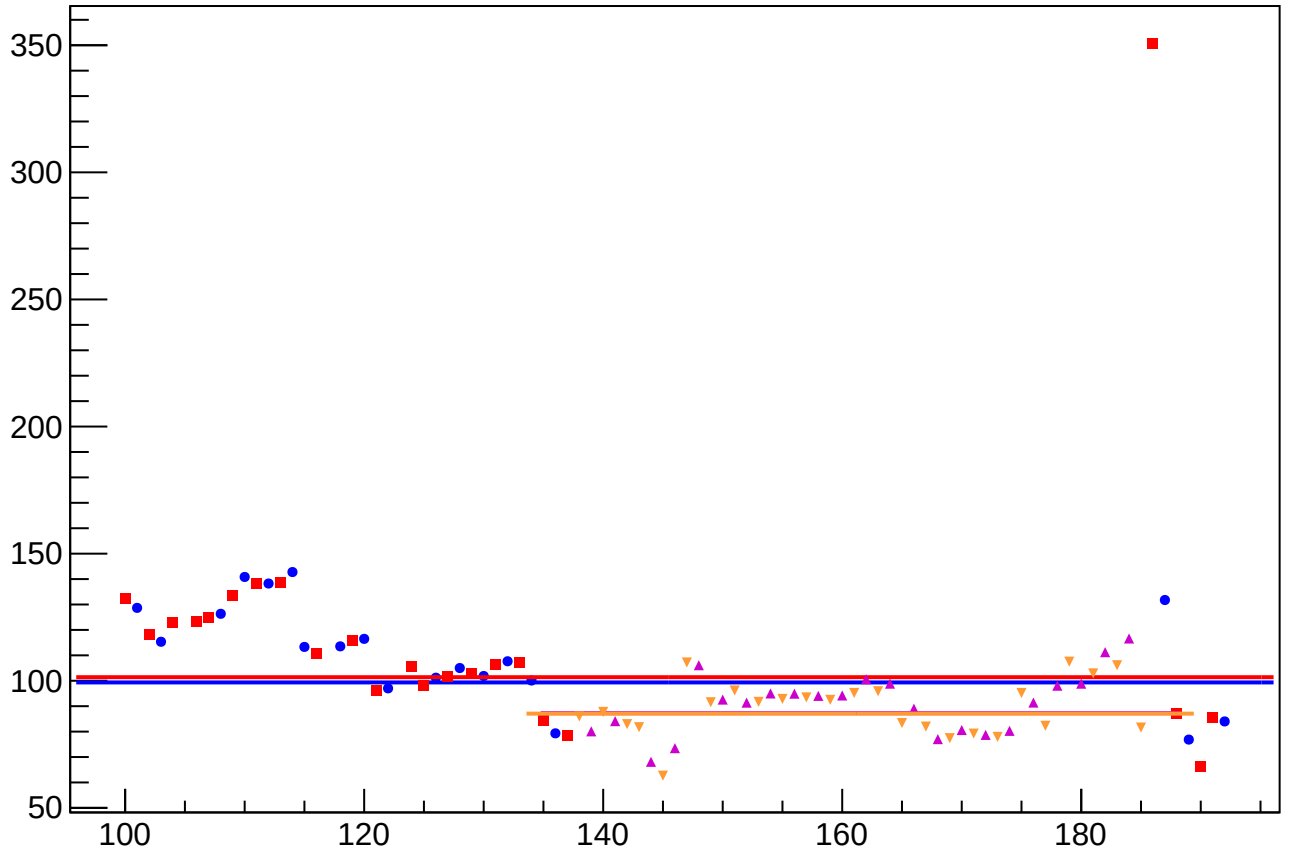
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 54.504+/-24.055 χ^2/NDF: 38.4/41

In: 27.930+/-17.611 χ^2/NDF:45.8/41

Out: -34.845+/-17.241 χ^2/NDF:66.3/47

All: -4.124+/-12.320 χ^2/NDF: 118.5/89



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: 101.404+/-0.024 χ^2/NDF: 1053945.0/22

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

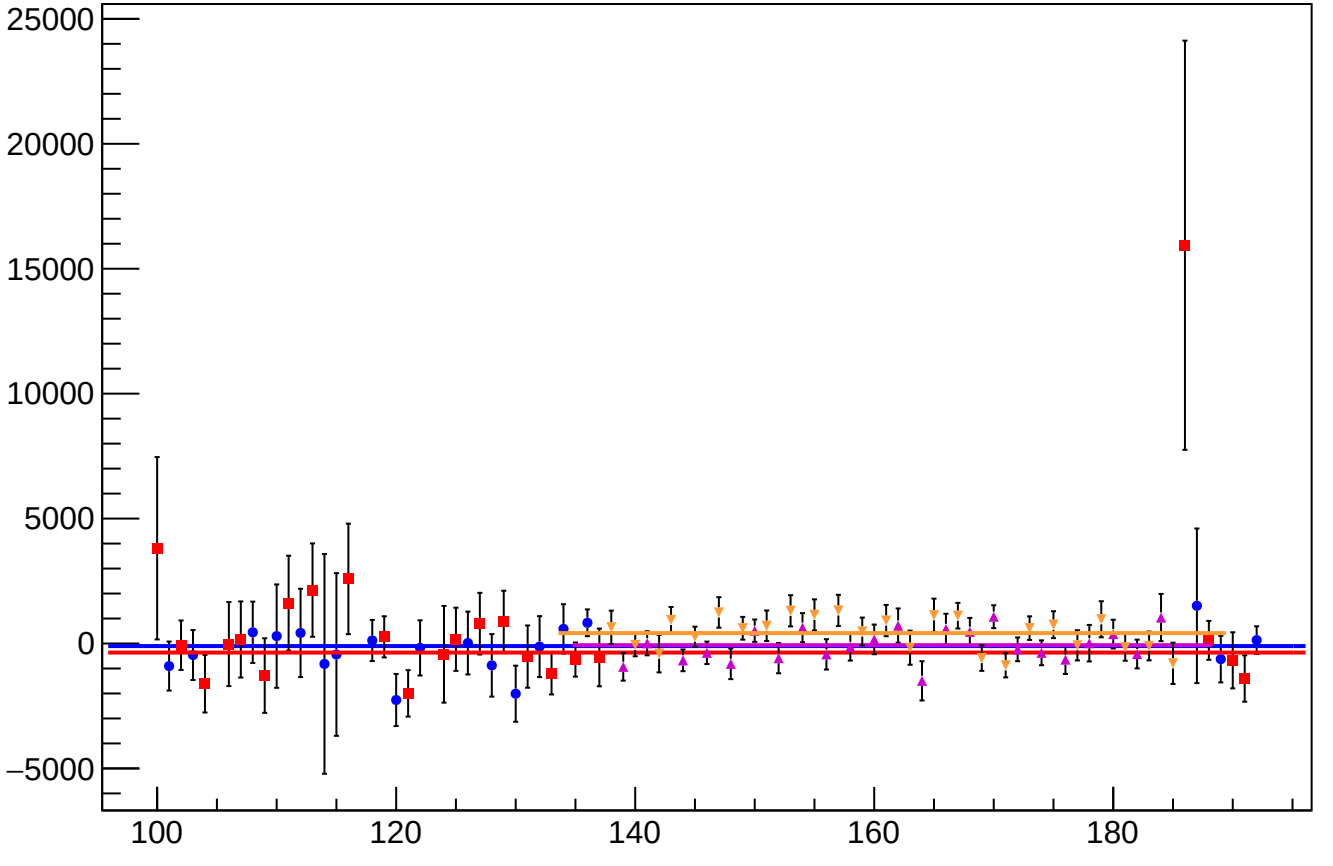
Right: 100.371+/-0.017 χ^2/NDF: 1682374.2/41

In: 90.514+/-0.012 χ^2/NDF:1406124.2/41

Out: 90.735+/-0.012 χ^2/NDF:1937506.1/47

All: 90.626+/-0.009 χ^2/NDF: 3343791.0/89

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: -362.321+/-240.783 χ^2/NDF: 20.4/22

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

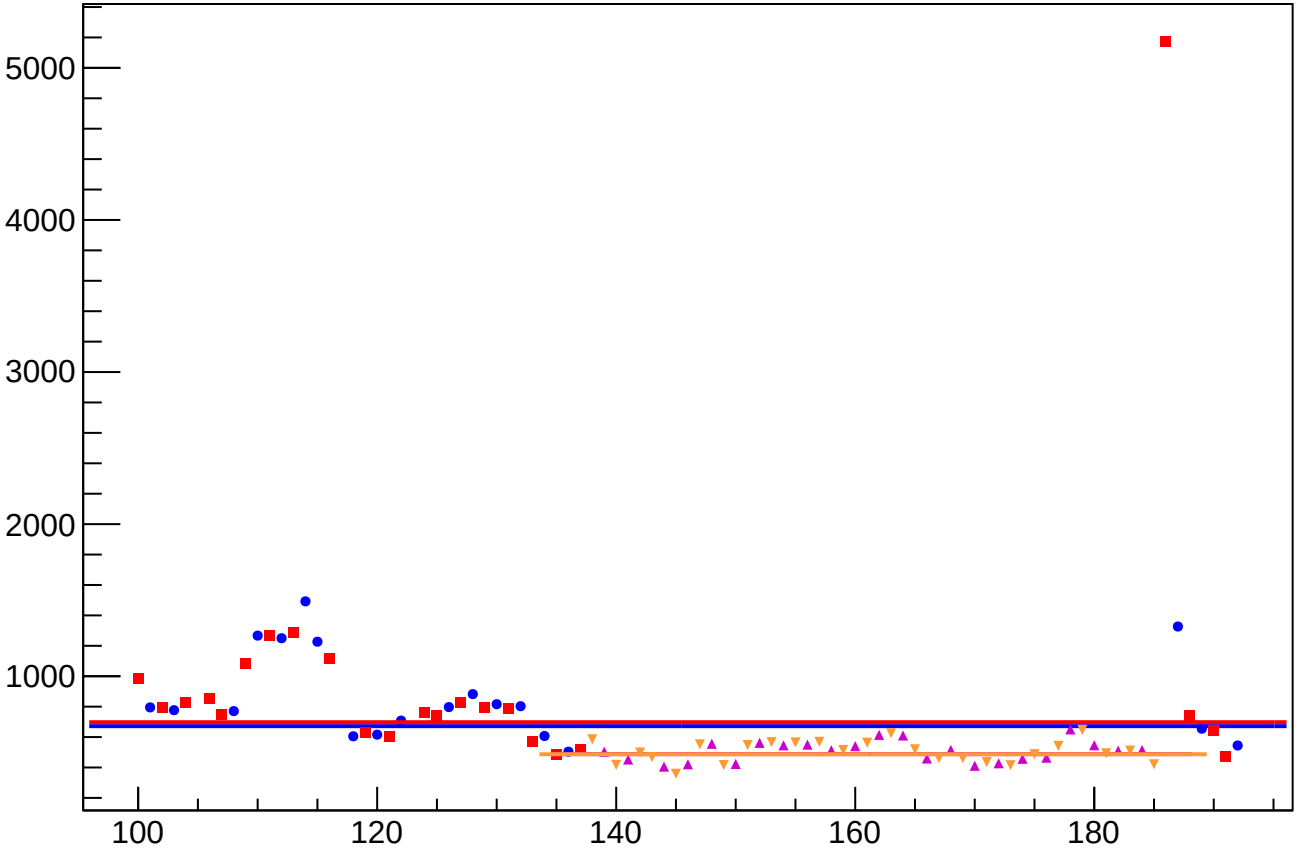
Right: -228.616+/-167.528 χ^2/NDF: 34.1/41

In: -73.851+/-103.446 χ^2/NDF:40.6/41

Out: 277.213+/-101.802 χ^2/NDF:61.4/47

All: 104.493+/-72.559 χ^2/NDF: 107.9/89

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: 697.743+/-0.170 χ^2/NDF: 1760743.9/22

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

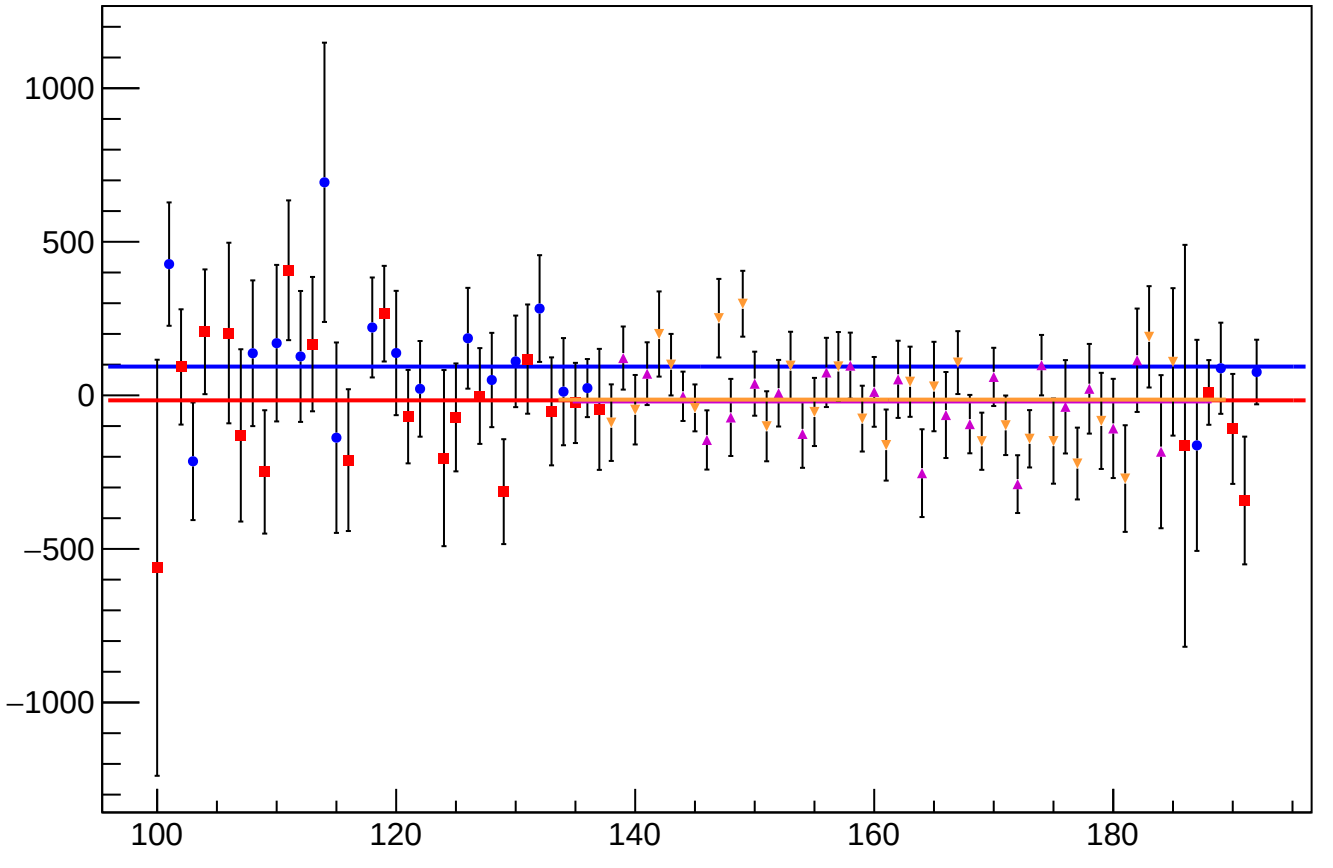
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 684.291+/-0.118 χ^2/NDF: 2900752.0/41

In: 524.074+/-0.073 χ^2/NDF:2759220.8/41

Out: 524.738+/-0.072 χ^2/NDF:3839260.8/47

All: 524.411+/-0.051 χ^2/NDF: 6598523.4/89



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: -16.288+/-38.851 χ^2/NDF: 19.6/22

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

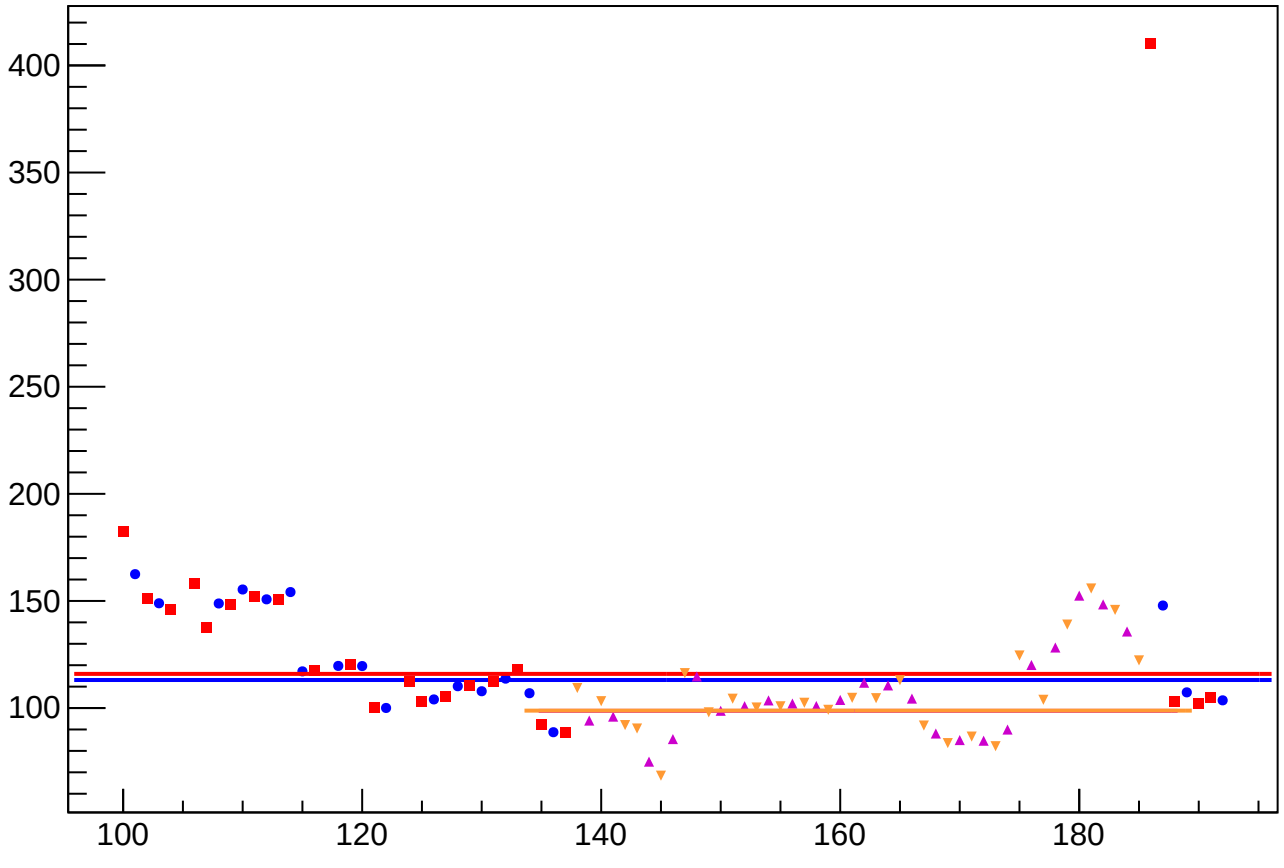
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 39.104+/-27.369 χ^2/NDF: 35.2/41

In: 11.062+/-20.111 χ^2/NDF:41.2/41

Out: -14.519+/-19.738 χ^2/NDF:56.0/47

All: -1.968+/-14.087 χ^2/NDF: 98.0/89



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: 115.949+/-0.027 χ^2/NDF: 941415.5/22

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

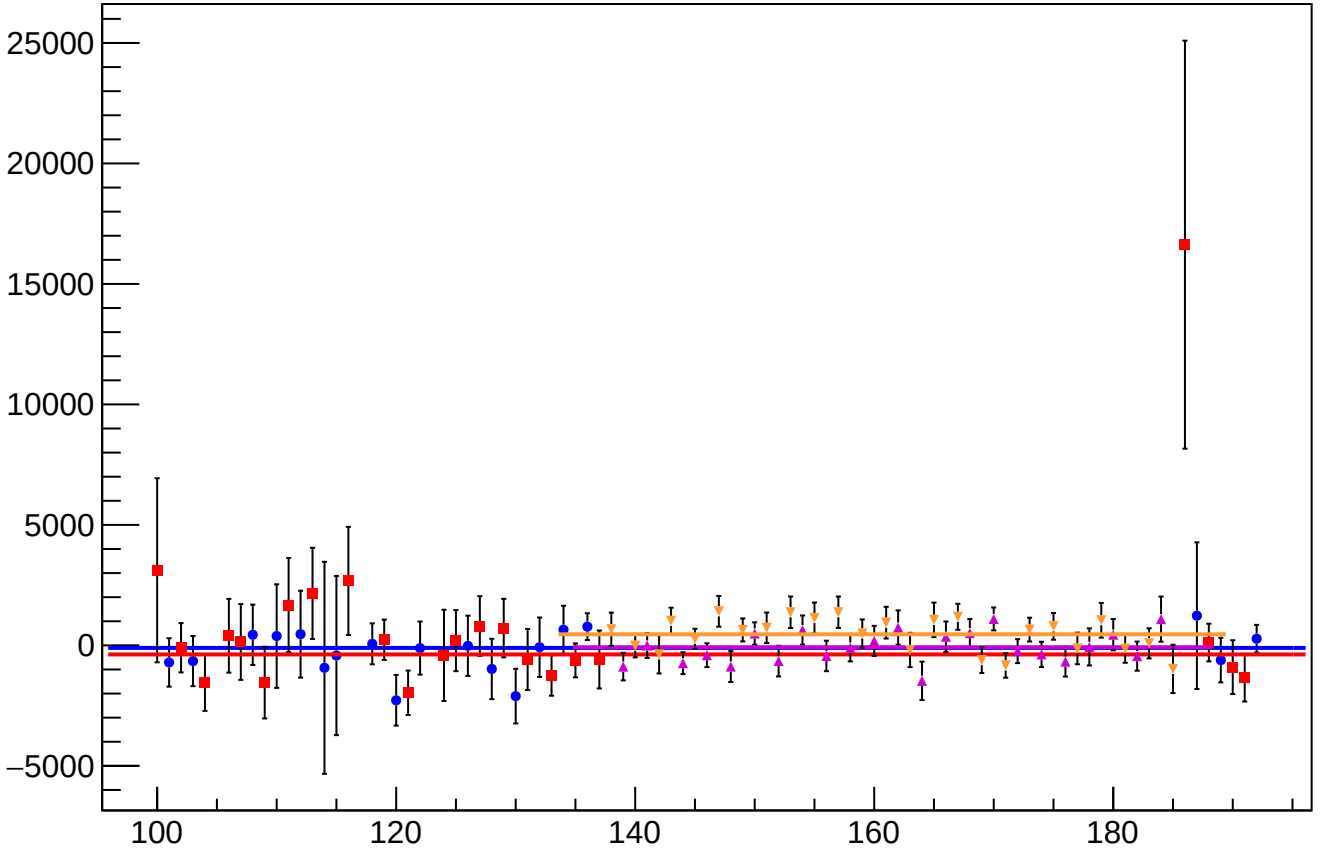
Right: 114.510+/-0.019 χ^2/NDF: 1521179.4/41

In: 102.595+/-0.014 χ^2/NDF:1765743.4/41

Out: 103.226+/-0.014 χ^2/NDF:2416367.4/47

All: 102.916+/-0.010 χ^2/NDF: 4183111.5/89

asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected



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: -376.093+/-243.744 χ^2/NDF: 19.9/22

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

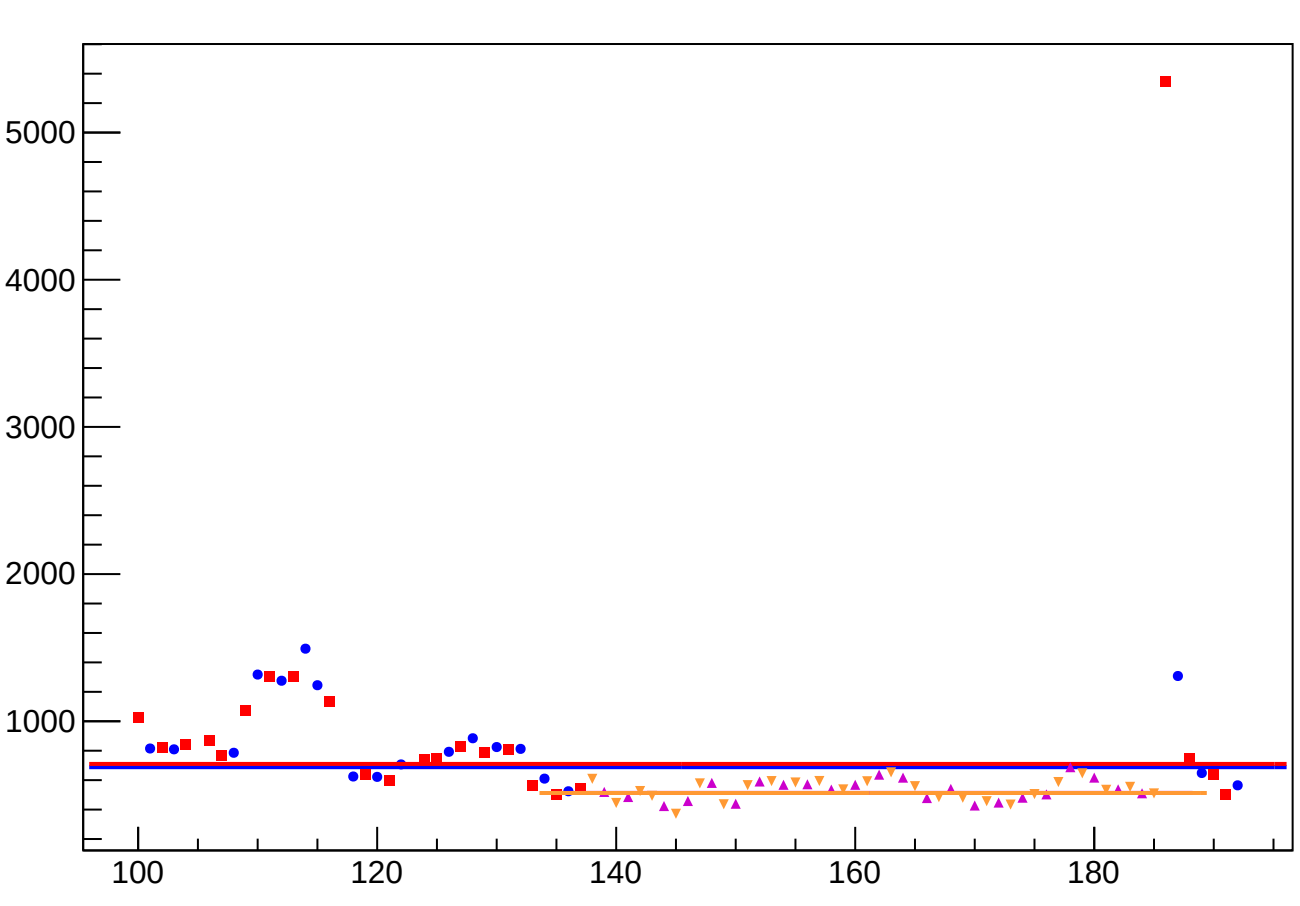
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -237.721+/-170.461 χ^2/NDF: 33.5/41

In: -84.242+/-108.214 χ^2/NDF:39.2/41

Out: 300.276+/-106.290 χ^2/NDF:60.2/47

All: 111.467+/-75.830 χ^2/NDF: 105.8/89



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: 710.231+/-0.172 χ^2/NDF: 1724193.2/22

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

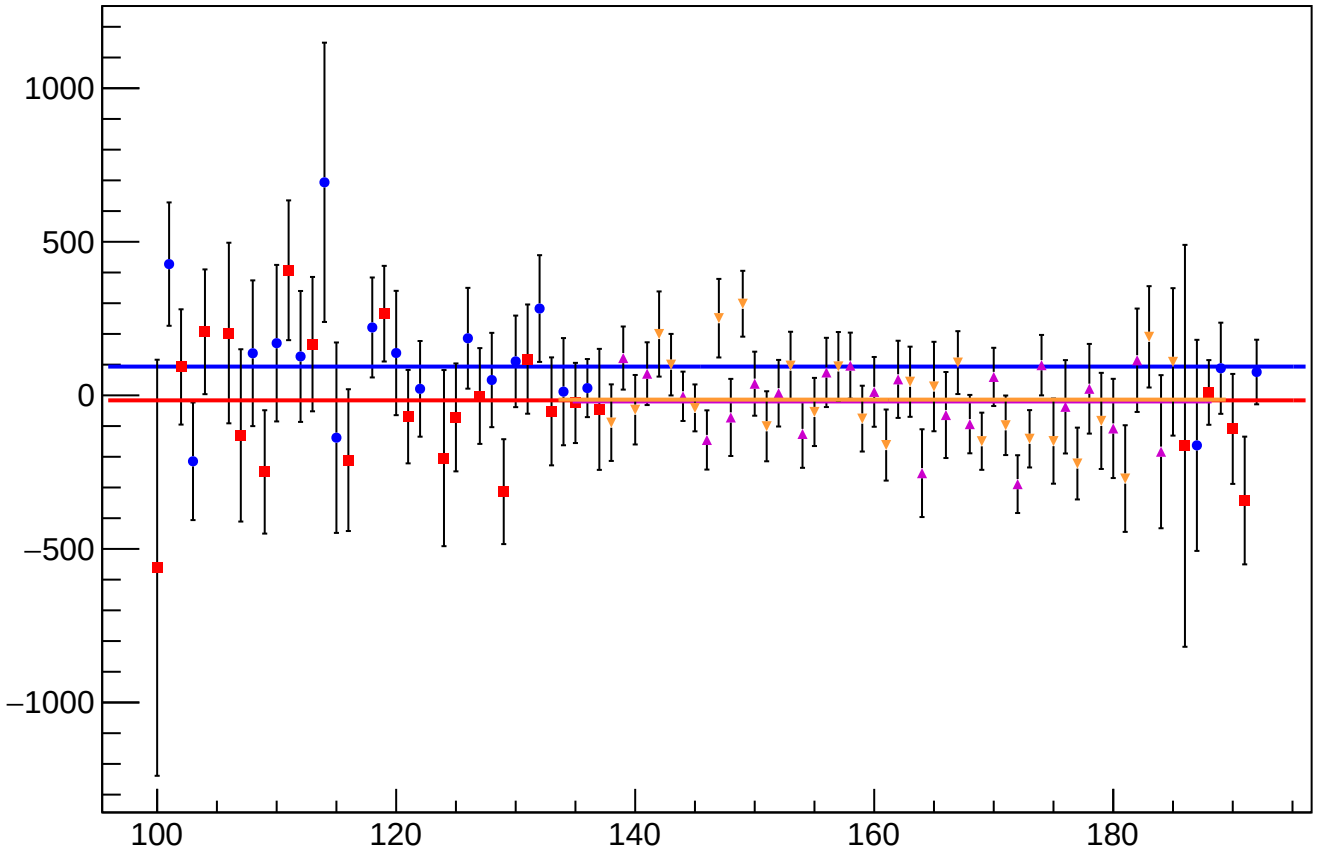
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 698.876+/-0.121 χ^2/NDF: 2806513.4/41

In: 549.332+/-0.077 χ^2/NDF:2559447.9/41

Out: 550.318+/-0.075 χ^2/NDF:3586434.1/47

All: 549.834+/-0.054 χ^2/NDF: 6145966.4/89



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: -16.288+/-38.851 χ^2/NDF: 19.6/22

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

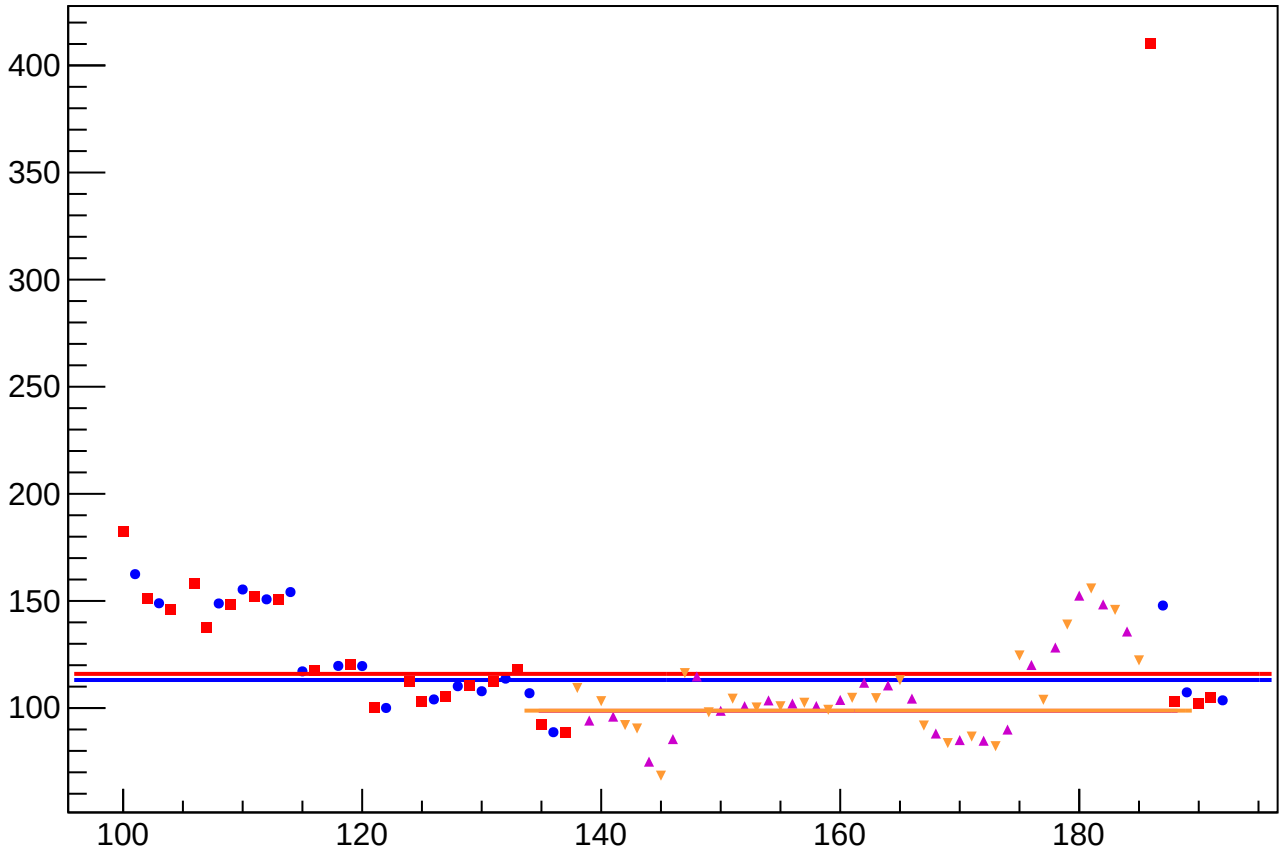
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 39.103+/-27.369 χ^2/NDF: 35.2/41

In: 11.062+/-20.111 χ^2/NDF:41.2/41

Out: -14.521+/-19.738 χ^2/NDF:56.0/47

All: -1.969+/-14.087 χ^2/NDF: 98.0/89



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: 115.949+/-0.027 χ^2/NDF: 941403.5/22

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

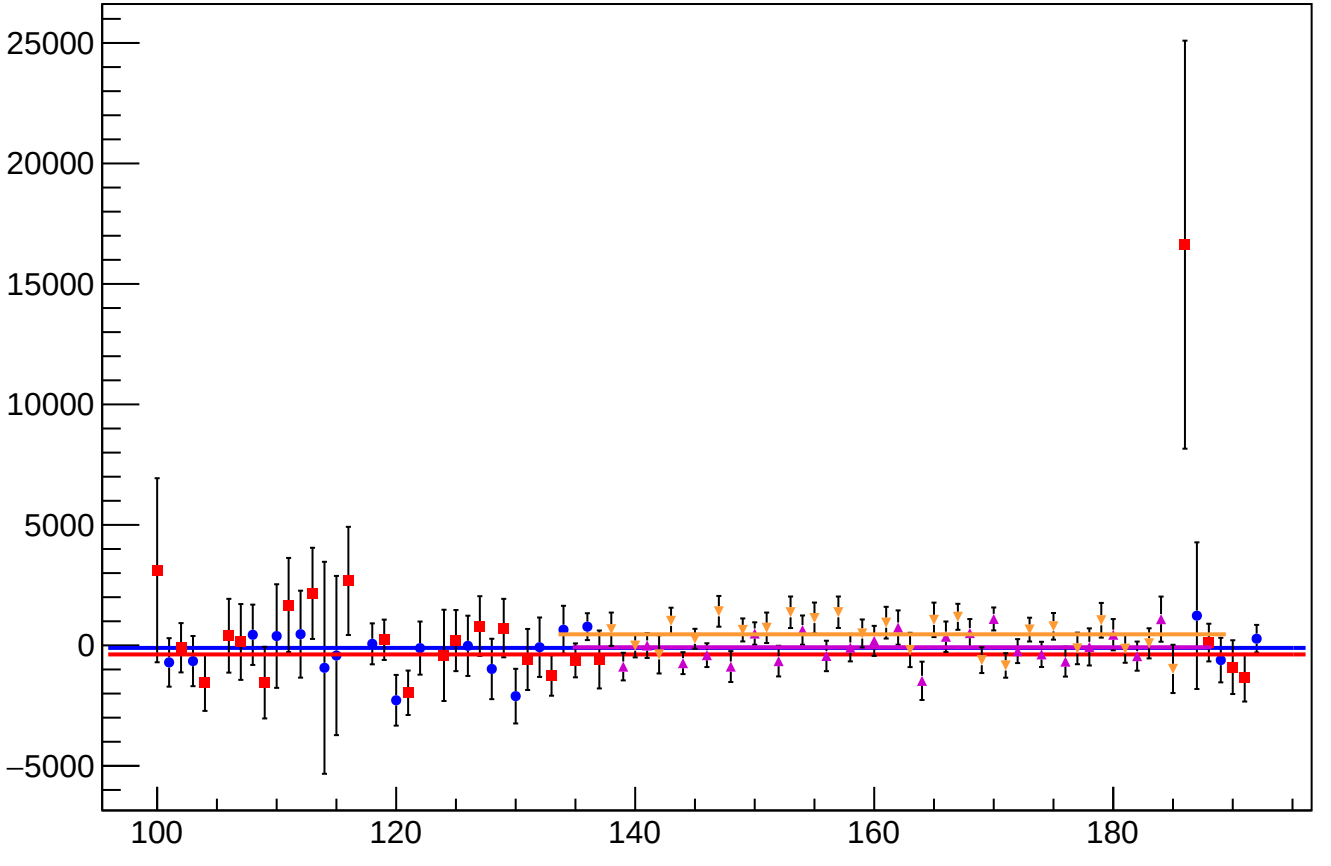
Right: 114.511+/-0.019 χ^2/NDF: 1521149.8/41

In: 102.595+/-0.014 χ^2/NDF:1765725.4/41

Out: 103.226+/-0.014 χ^2/NDF:2416361.4/47

All: 102.916+/-0.010 χ^2/NDF: 4183087.2/89

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: -376.092+/-243.744 χ^2/NDF: 19.9/22

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

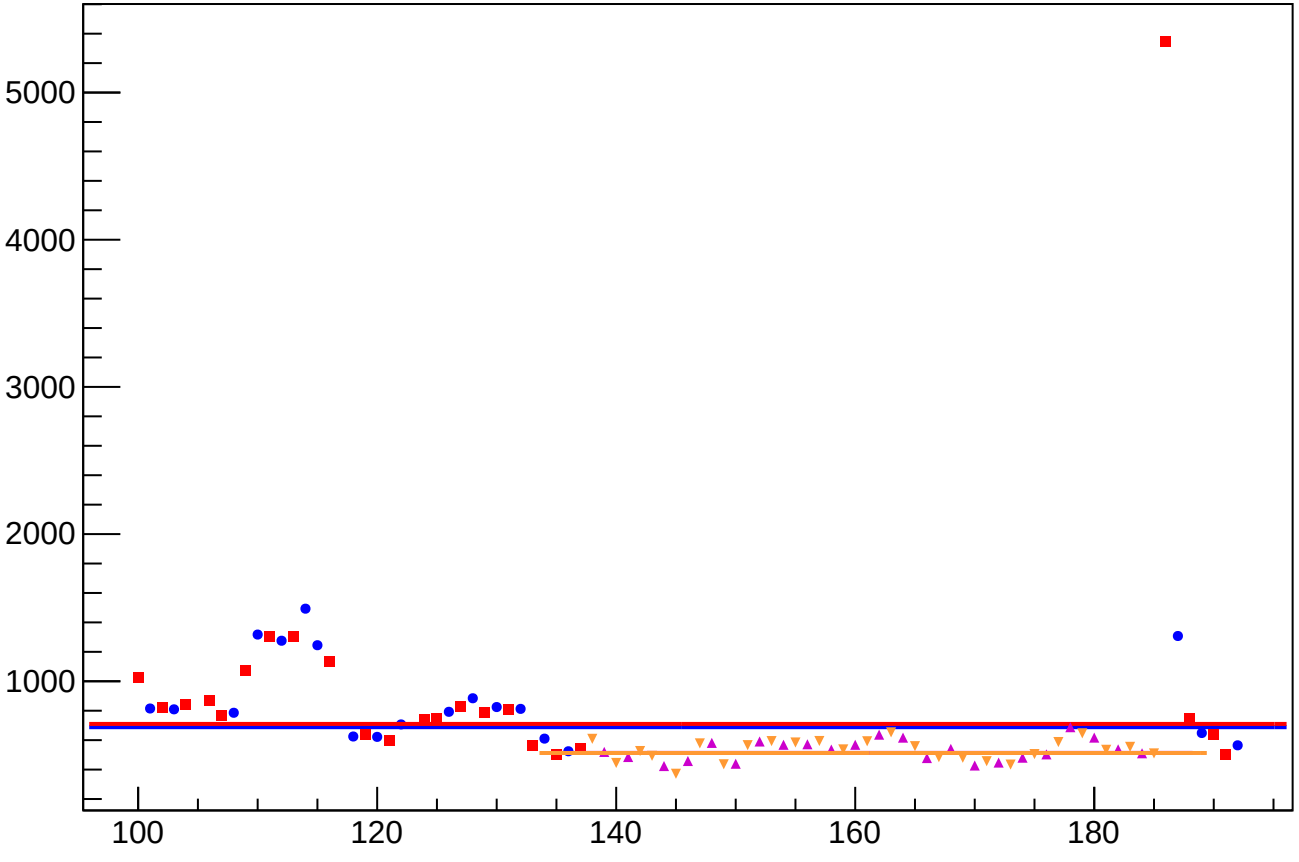
Right: -237.722+/-170.461 χ^2/NDF: 33.5/41

In: -84.242+/-108.214 χ^2/NDF:39.2/41

Out: 300.275+/-106.290 χ^2/NDF:60.2/47

All: 111.466+/-75.829 χ^2/NDF: 105.8/89

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: 710.231+/-0.172 χ^2/NDF: 1724184.7/22

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

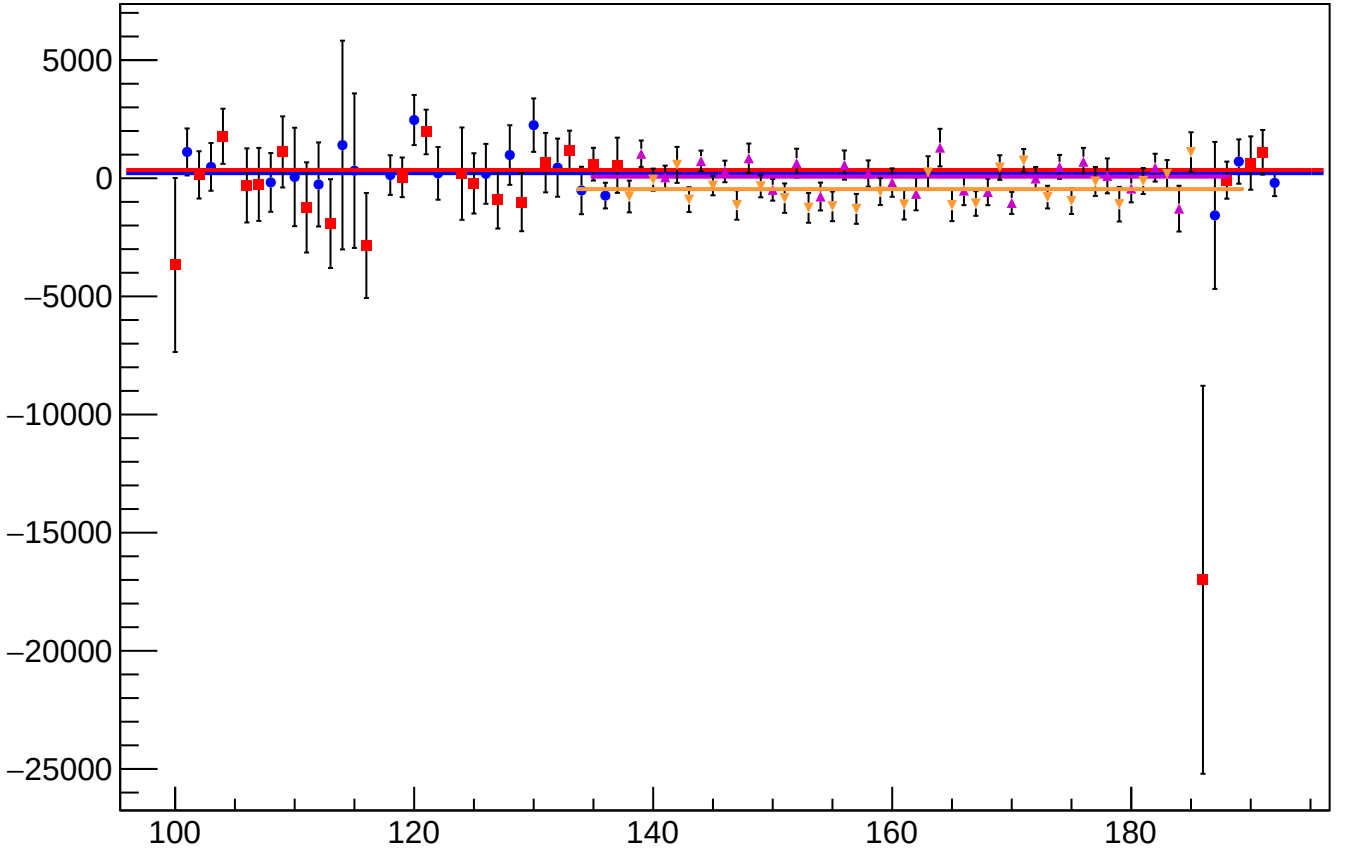
Right: 698.875+/-0.121 χ^2/NDF: 2806503.3/41

In: 549.332+/-0.077 χ^2/NDF:2559439.7/41

Out: 550.317+/-0.075 χ^2/NDF:3586422.6/47

All: 549.834+/-0.054 χ^2/NDF: 6145946.7/89

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: 348.857+/-243.223 χ^2/NDF: 19.5/22

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

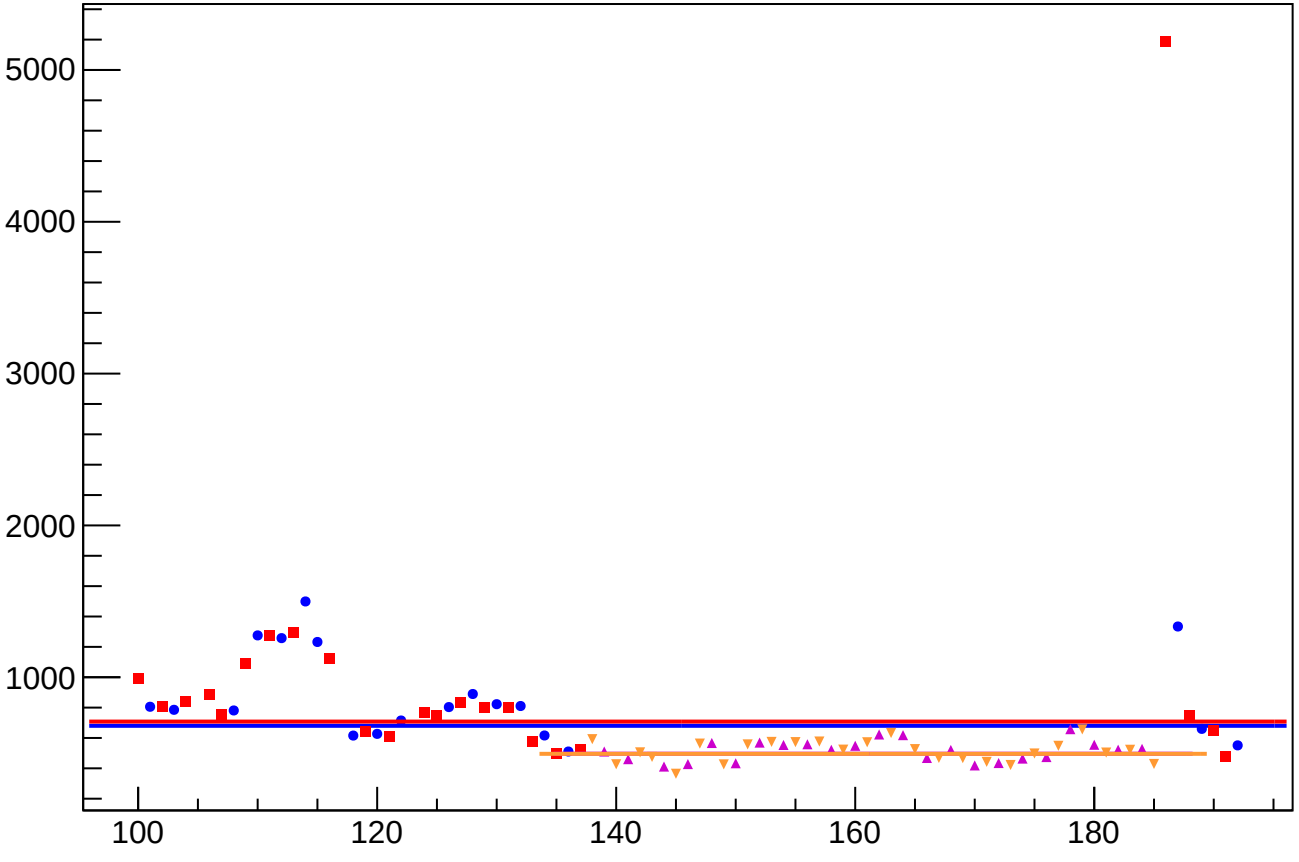
Right: 280.224+/-169.385 χ^2/NDF: 33.7/41

In: 97.292+/-105.091 χ^2/NDF:42.9/41

Out: -313.711+/-103.397 χ^2/NDF:59.4/47

All: -111.549+/-73.704 χ^2/NDF: 110.1/89

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: 707.962+/-0.172 χ^2/NDF: 1745461.9/22

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

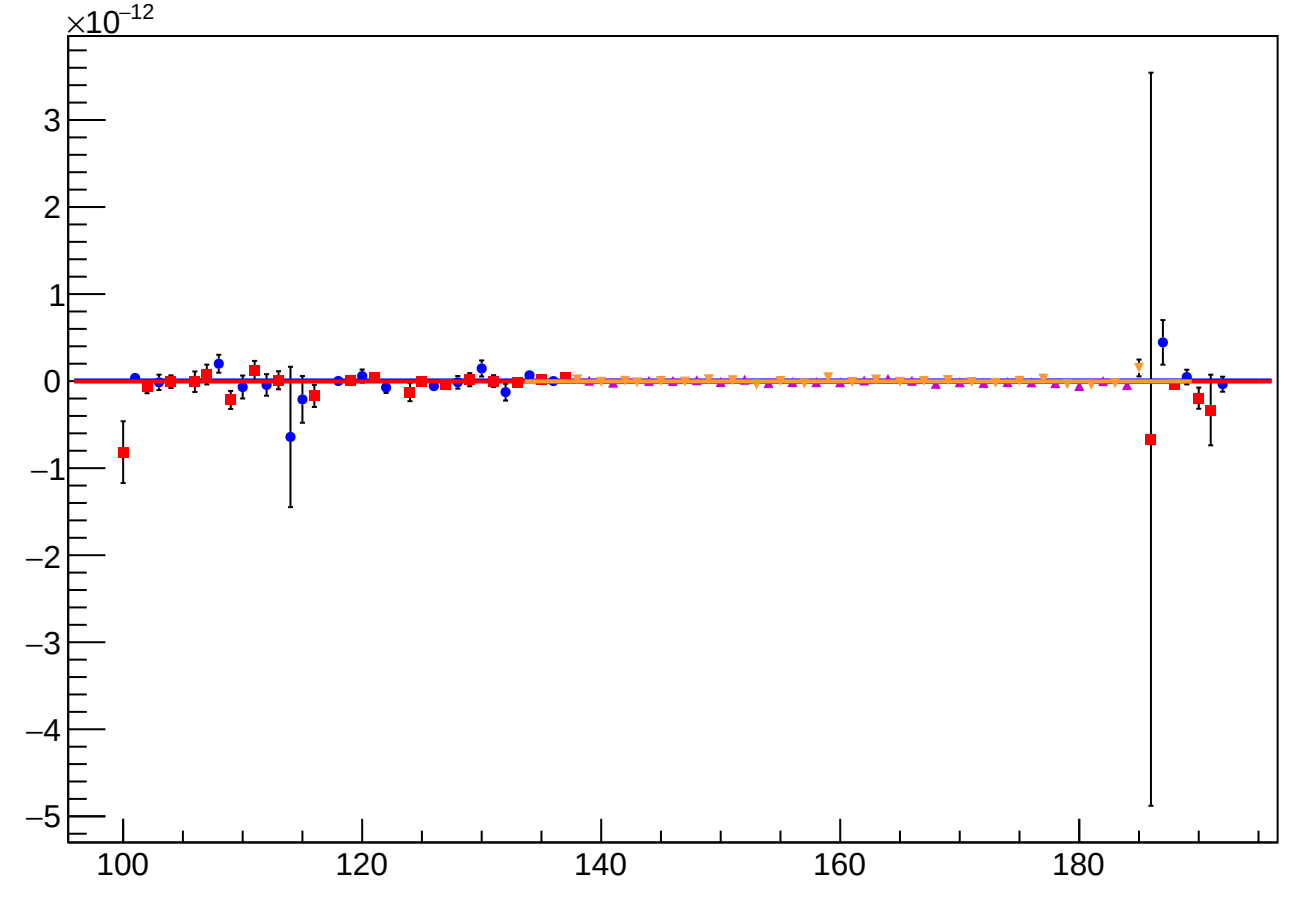
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 693.623+/-0.120 χ^2/NDF: 2870795.6/41

In: 532.746+/-0.074 χ^2/NDF:2706668.8/41

Out: 533.908+/-0.073 χ^2/NDF:3800265.3/47

All: 533.336+/-0.052 χ^2/NDF: 6507058.3/89



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/22

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

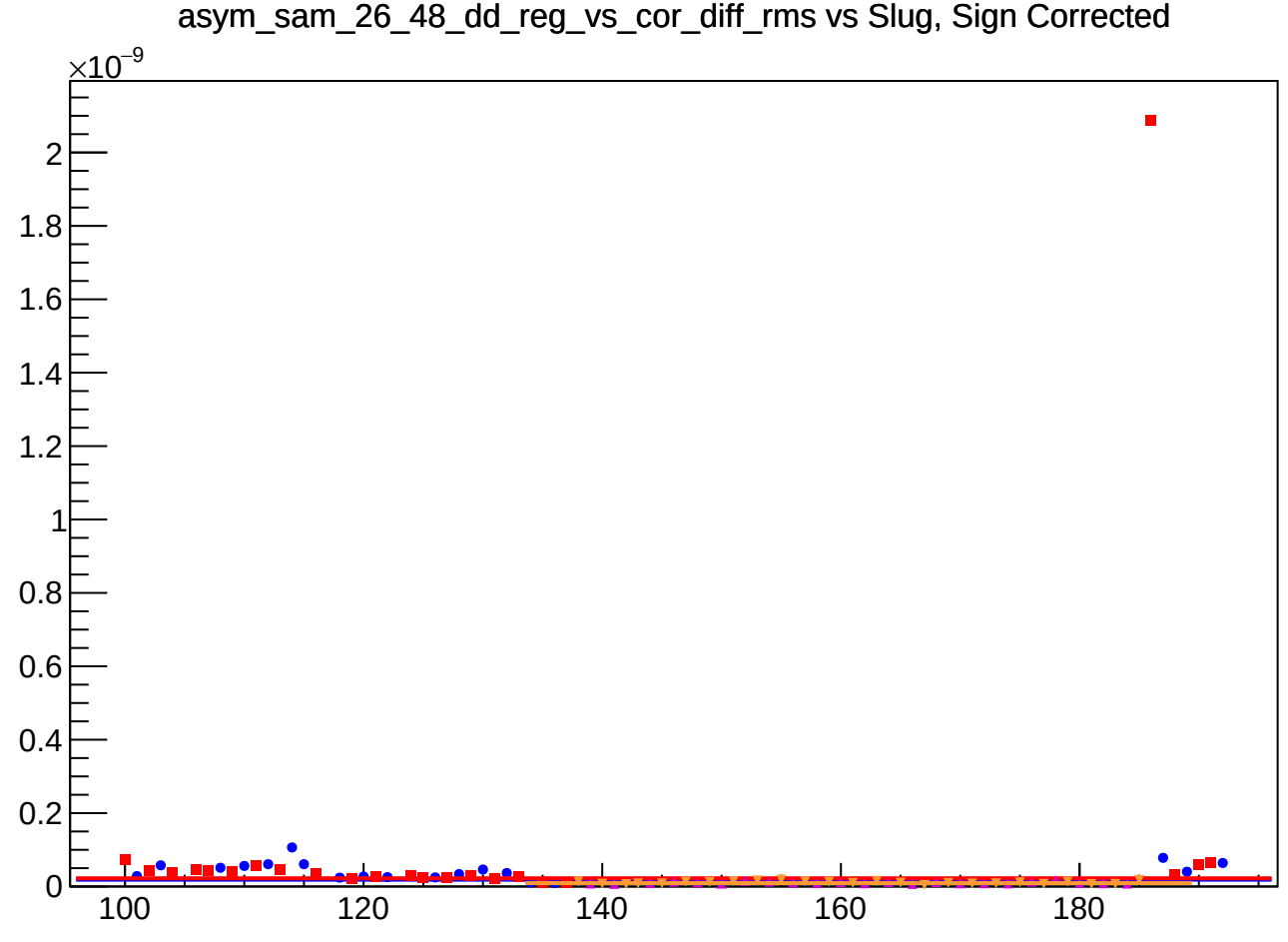
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: 0.000+/-0.000 χ^2/NDF: 42.7/41

In: -0.000+/-0.000 χ^2/NDF:38.1/41

Out: -0.000+/-0.000 χ^2/NDF:46.6/47

All: -0.000+/-0.000 χ^2/NDF: 85.3/89



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: 2449222.8/22

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

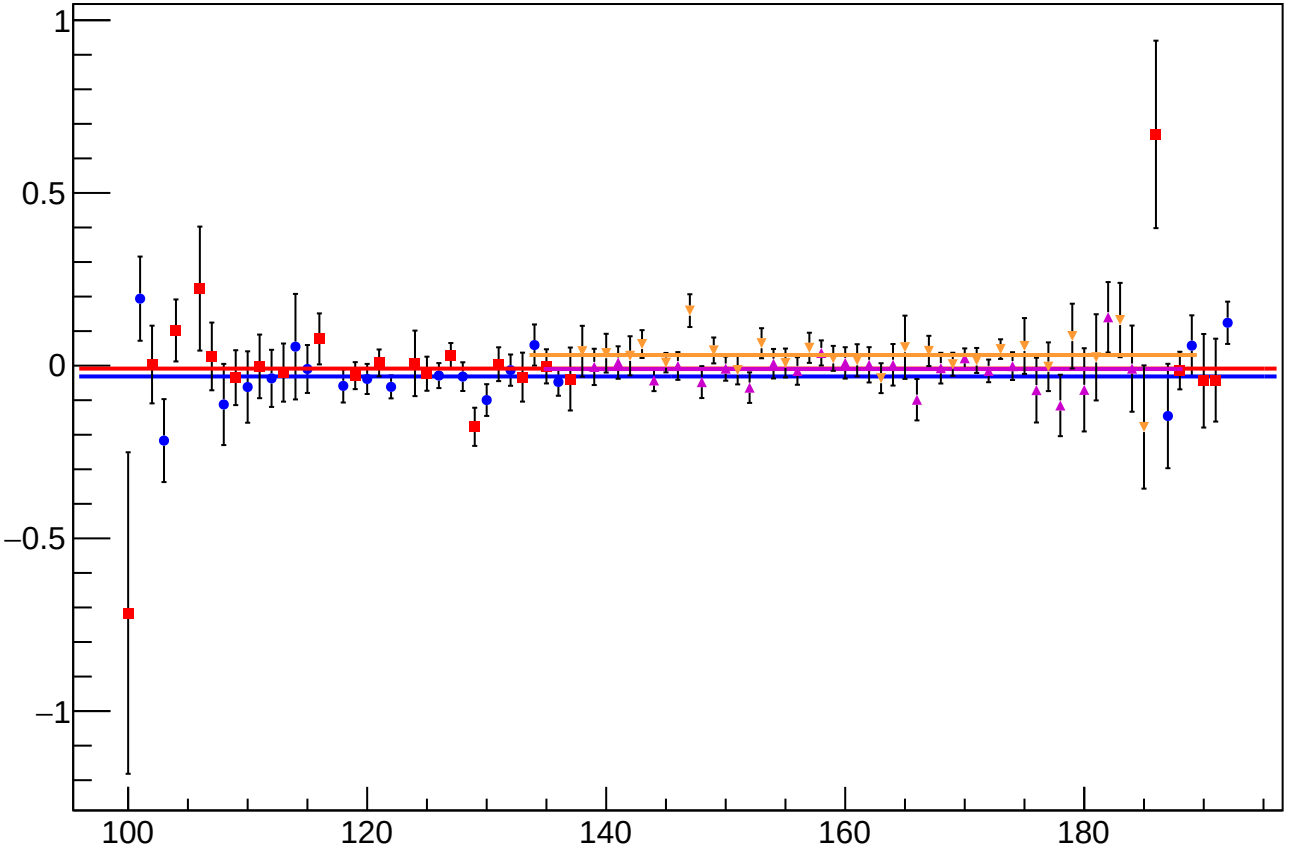
Right: 0.000+/-0.000 χ^2/NDF: 5737873.9/41

In: 0.000+/-0.000 χ^2/NDF:4927314.2/41

Out: 0.000+/-0.000 χ^2/NDF:6220166.4/47

All: 0.000+/-0.000 χ^2/NDF: 11168388.6/89

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: -0.008+/-0.014 χ^2/NDF: 24.7/22

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

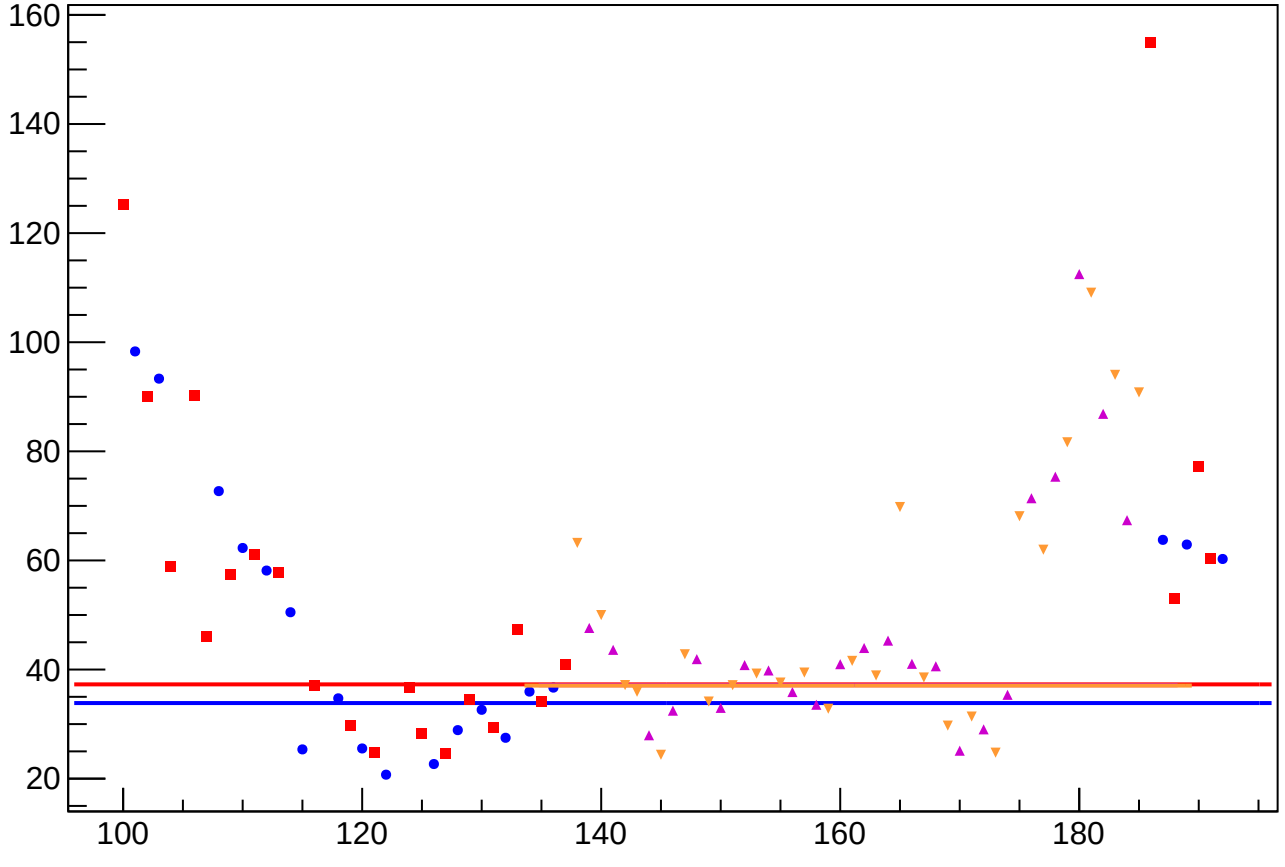
Right: -0.021+/-0.009 χ^2/NDF: 47.1/41

In: -0.017+/-0.008 χ^2/NDF:36.0/41

Out: 0.019+/-0.008 χ^2/NDF:48.3/47

All: 0.001+/-0.005 χ^2/NDF: 95.6/89

asym_sam_26_48_dd_dit_vs_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: 37.282+/-0.010 χ^2/NDF: 2679939.4/22

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

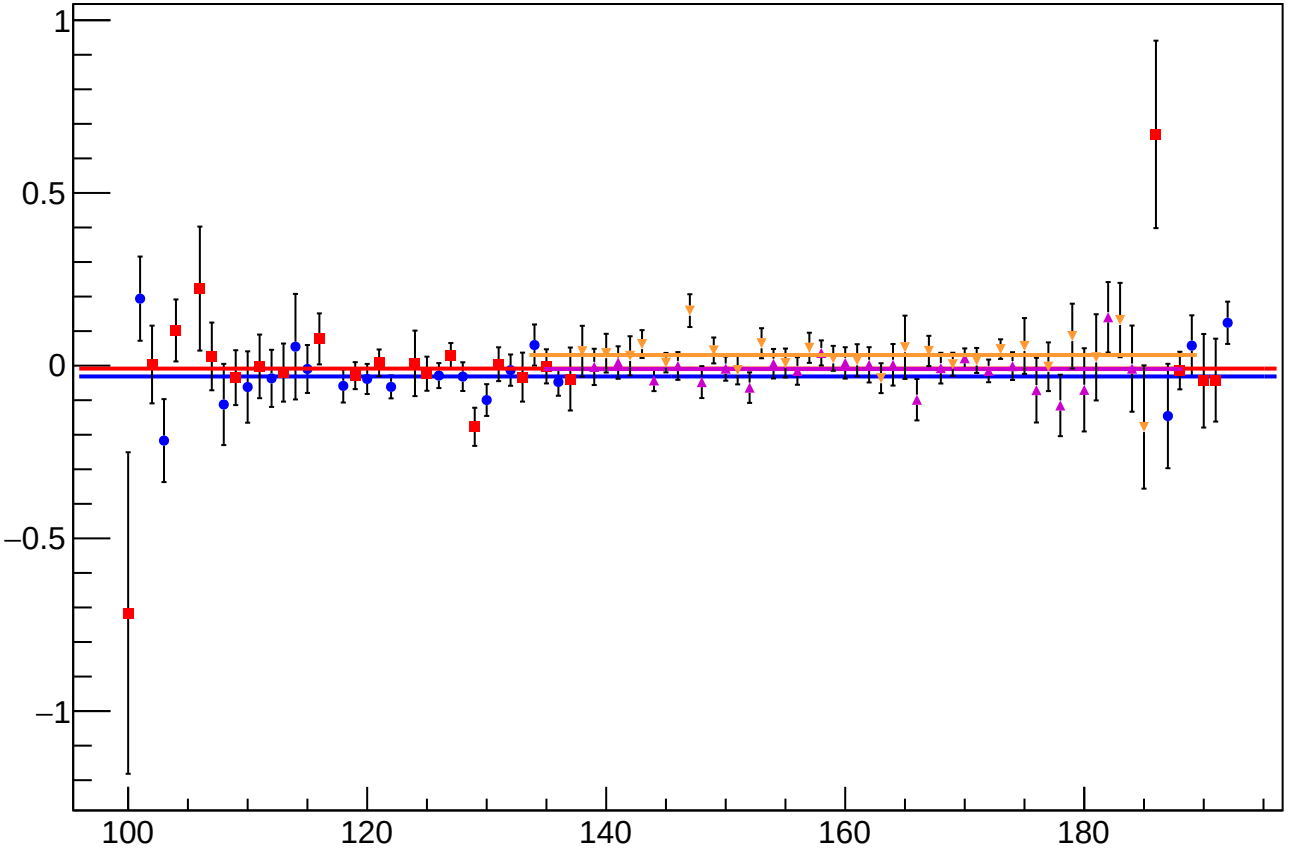
Right: 35.459+/-0.007 χ^2/NDF: 5721461.8/41

In: 35.972+/-0.005 χ^2/NDF:6072071.0/41

Out: 37.128+/-0.005 χ^2/NDF:6734037.6/47

All: 36.548+/-0.004 χ^2/NDF: 12829521.0/89

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: -0.008+/-0.014 χ^2/NDF: 24.7/22

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

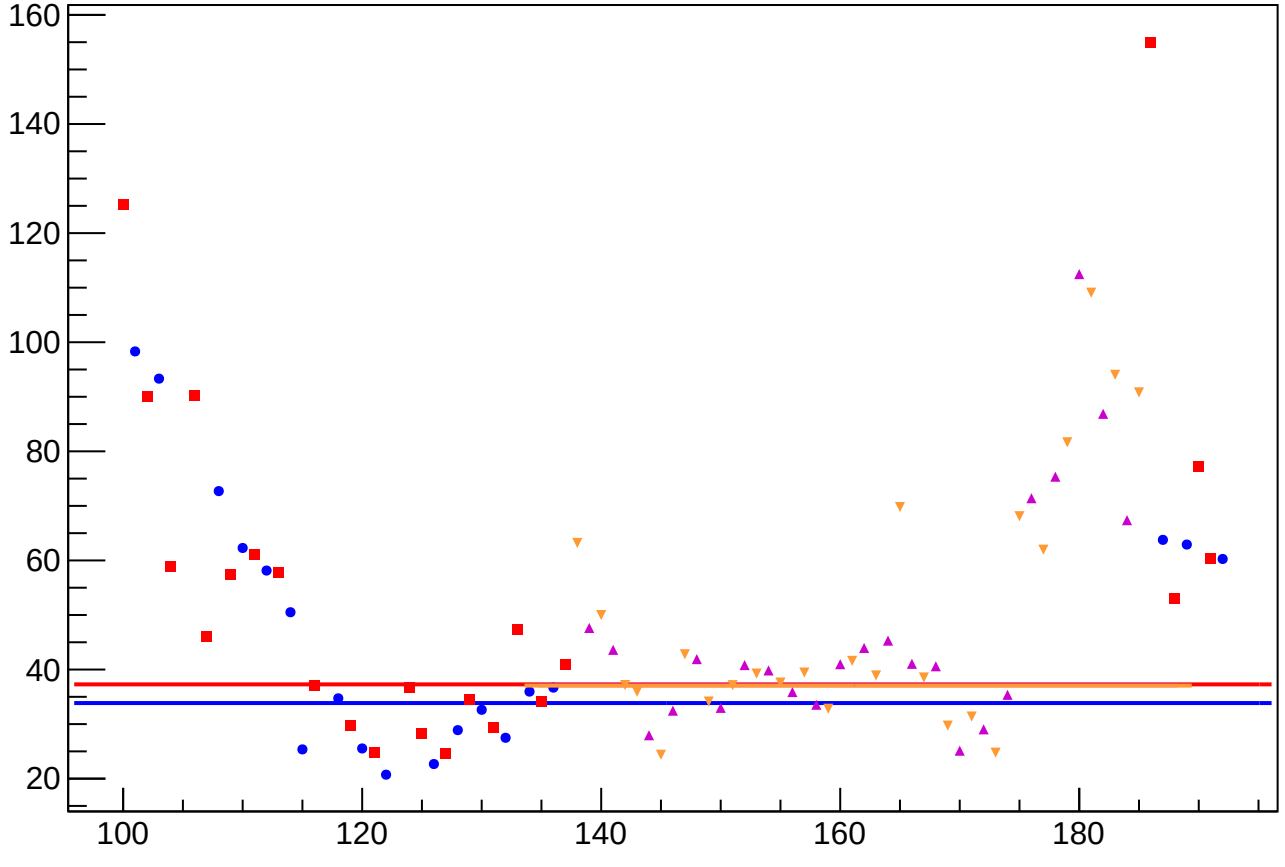
Right: -0.021+/-0.009 χ^2/NDF: 47.1/41

In: -0.017+/-0.008 χ^2/NDF:36.0/41

Out: 0.019+/-0.008 χ^2/NDF:48.3/47

All: 0.001+/-0.005 χ^2/NDF: 95.6/89

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: 37.282+/-0.010 χ^2/NDF: 2679939.4/22

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

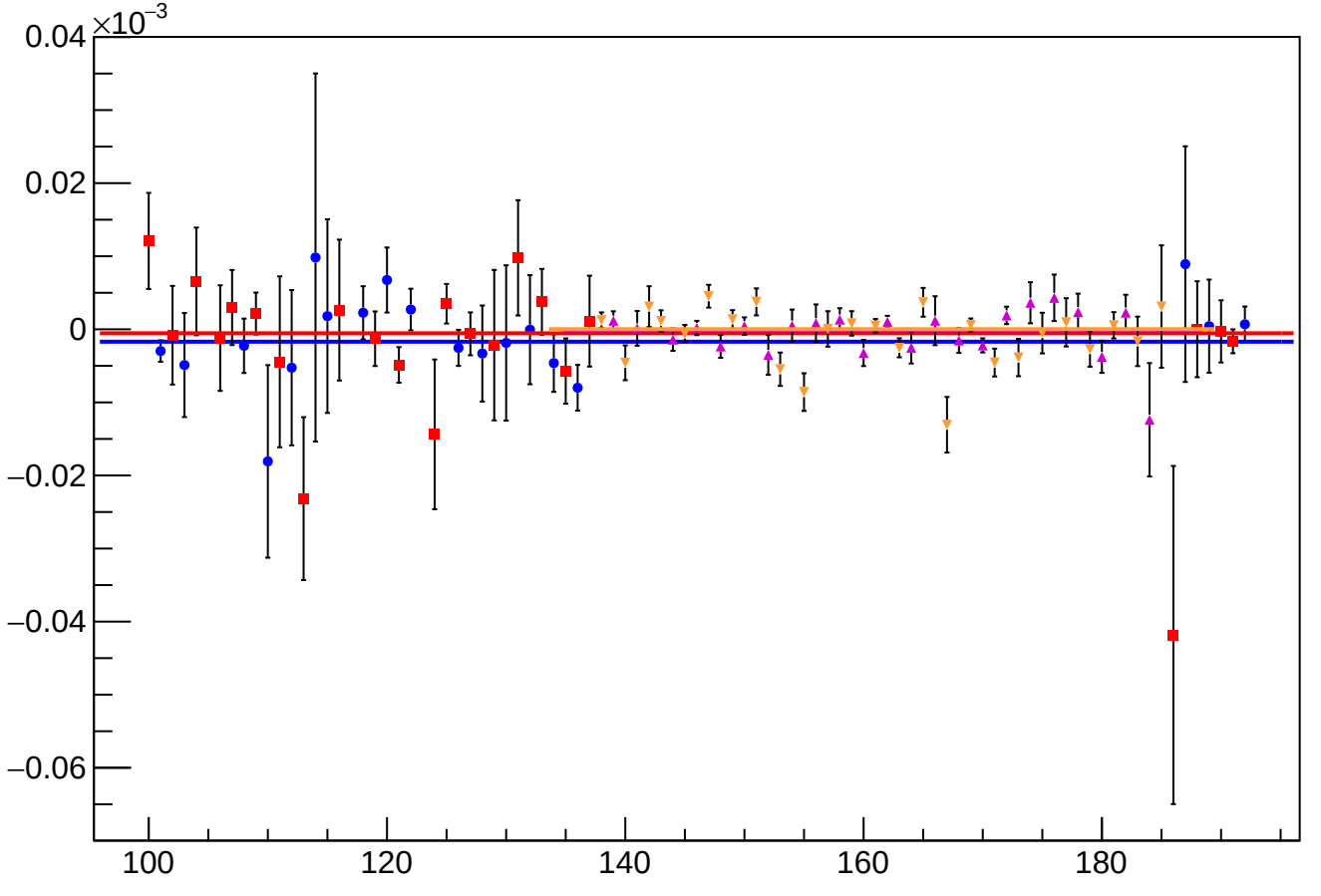
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 35.459+/-0.007 χ^2/NDF: 5721461.8/41

In: 35.972+/-0.005 χ^2/NDF:6072071.0/41

Out: 37.128+/-0.005 χ^2/NDF:6734037.6/47

All: 36.548+/-0.004 χ^2/NDF: 12829521.0/89



Right In: -0.000+/-0.000 χ^2/NDF: 16.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/22

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

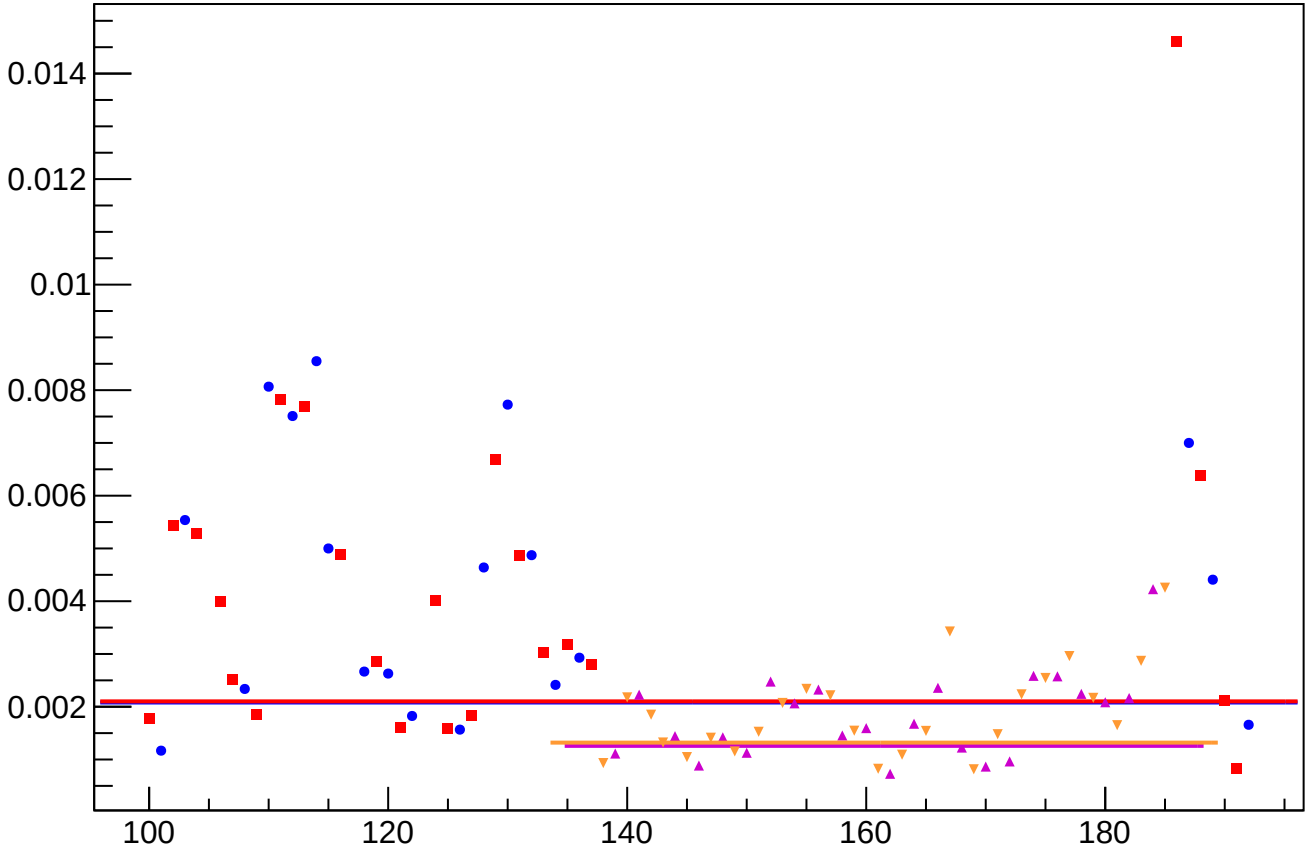
Right: -0.000+/-0.000 χ^2/NDF: 42.6/41

In: -0.000+/-0.000 χ^2/NDF:51.8/41

Out: -0.000+/-0.000 χ^2/NDF:93.2/47

All: -0.000+/-0.000 χ^2/NDF: 145.4/89

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: 6025645.0/22

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

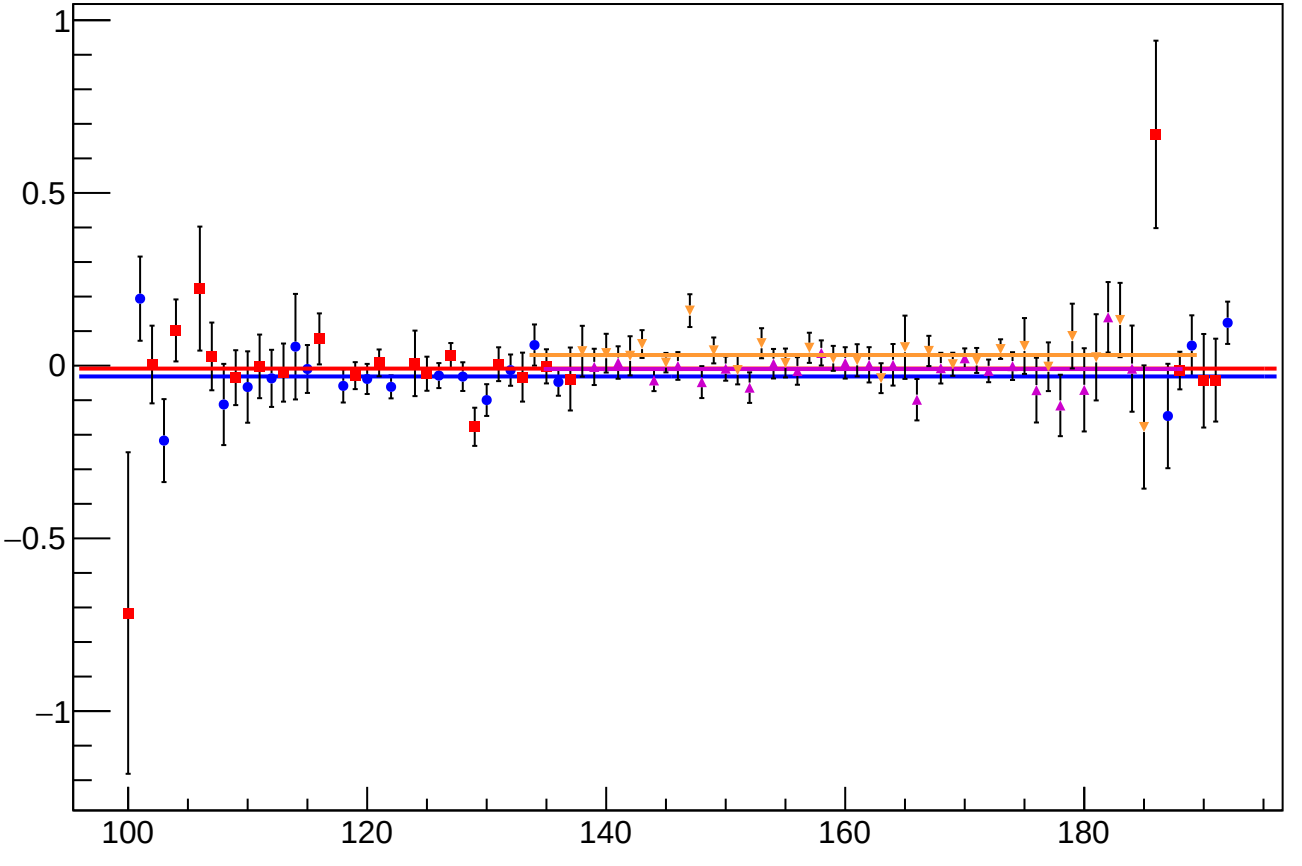
Right: 0.002+/-0.000 χ^2/NDF: 10456516.2/41

In: 0.001+/-0.000 χ^2/NDF:11449418.2/41

Out: 0.001+/-0.000 χ^2/NDF:13119534.4/47

All: 0.001+/-0.000 χ^2/NDF: 24602260.6/89

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: -0.008+/-0.014 χ^2/NDF: 24.7/22

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

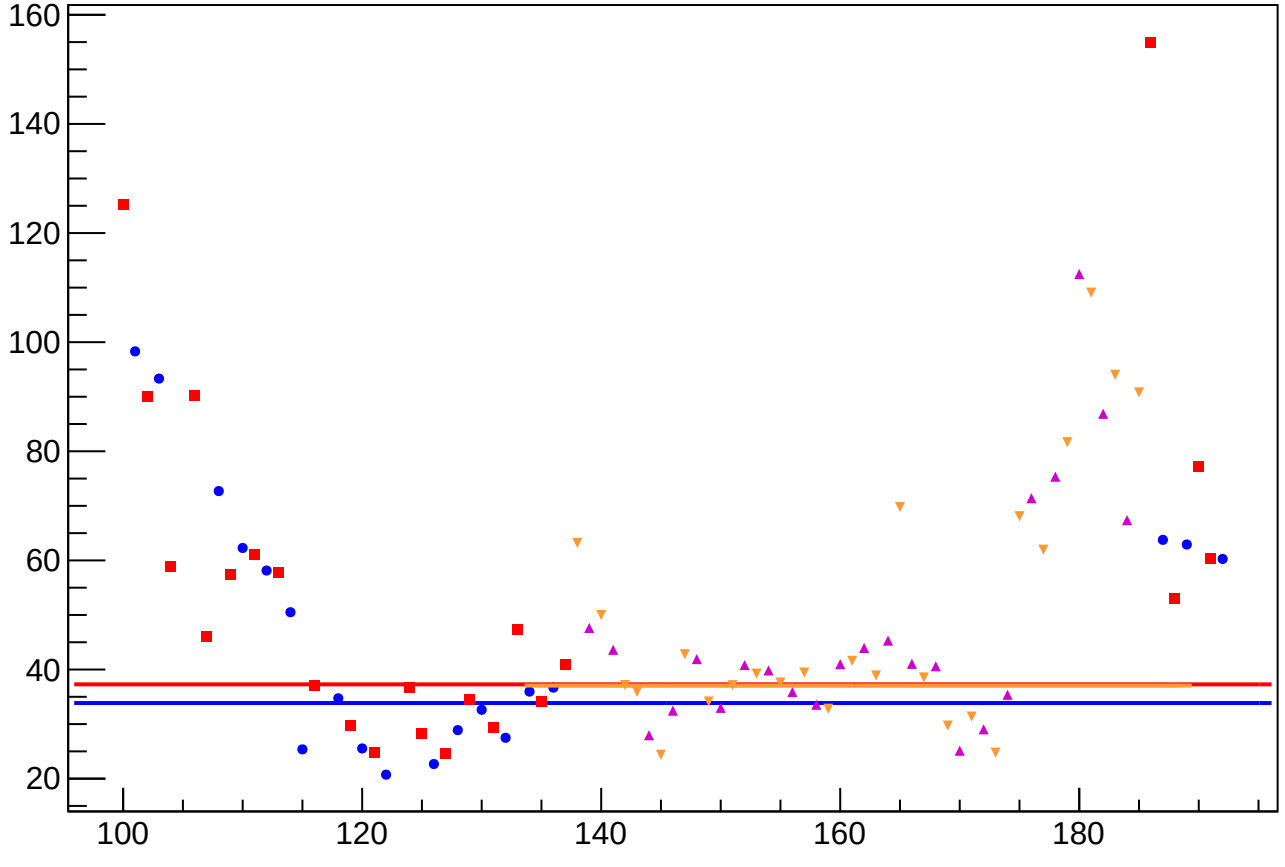
Right: -0.021+/-0.009 χ^2/NDF: 47.1/41

In: -0.017+/-0.008 χ^2/NDF:36.0/41

Out: 0.019+/-0.008 χ^2/NDF:48.3/47

All: 0.001+/-0.005 χ^2/NDF: 95.6/89

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: 37.282+/-0.010 χ^2/NDF: 2679776.2/22

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

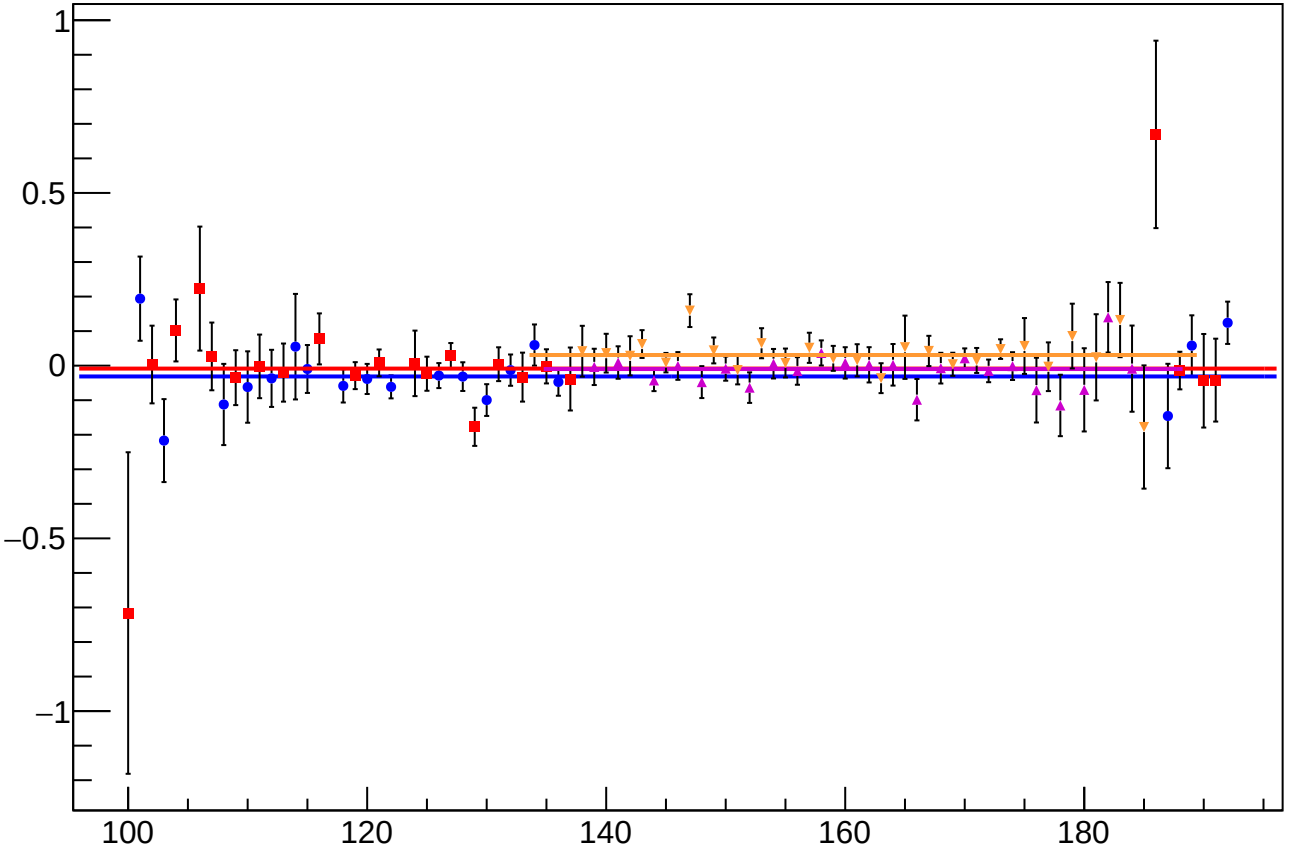
Right: 35.459+/-0.007 χ^2/NDF: 5721271.3/41

In: 35.972+/-0.005 χ^2/NDF:6071989.9/41

Out: 37.128+/-0.005 χ^2/NDF:6733885.2/47

All: 36.548+/-0.004 χ^2/NDF: 12829287.6/89

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: -0.008+/-0.014 χ^2/NDF: 24.7/22

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

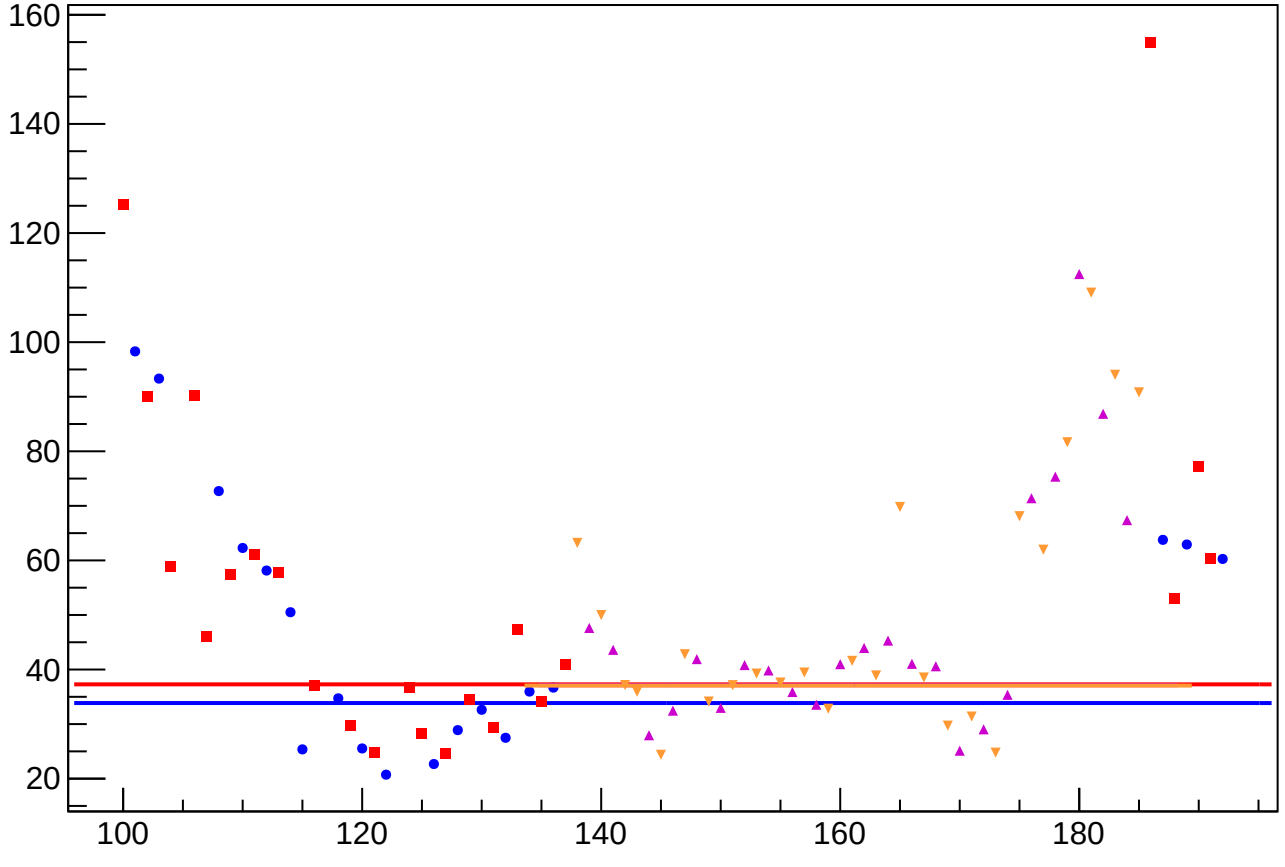
Right: -0.021+/-0.009 χ^2/NDF: 47.1/41

In: -0.017+/-0.008 χ^2/NDF:36.0/41

Out: 0.019+/-0.008 χ^2/NDF:48.3/47

All: 0.001+/-0.005 χ^2/NDF: 95.6/89

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: 37.282+/-0.010 χ^2/NDF: 2679776.2/22

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

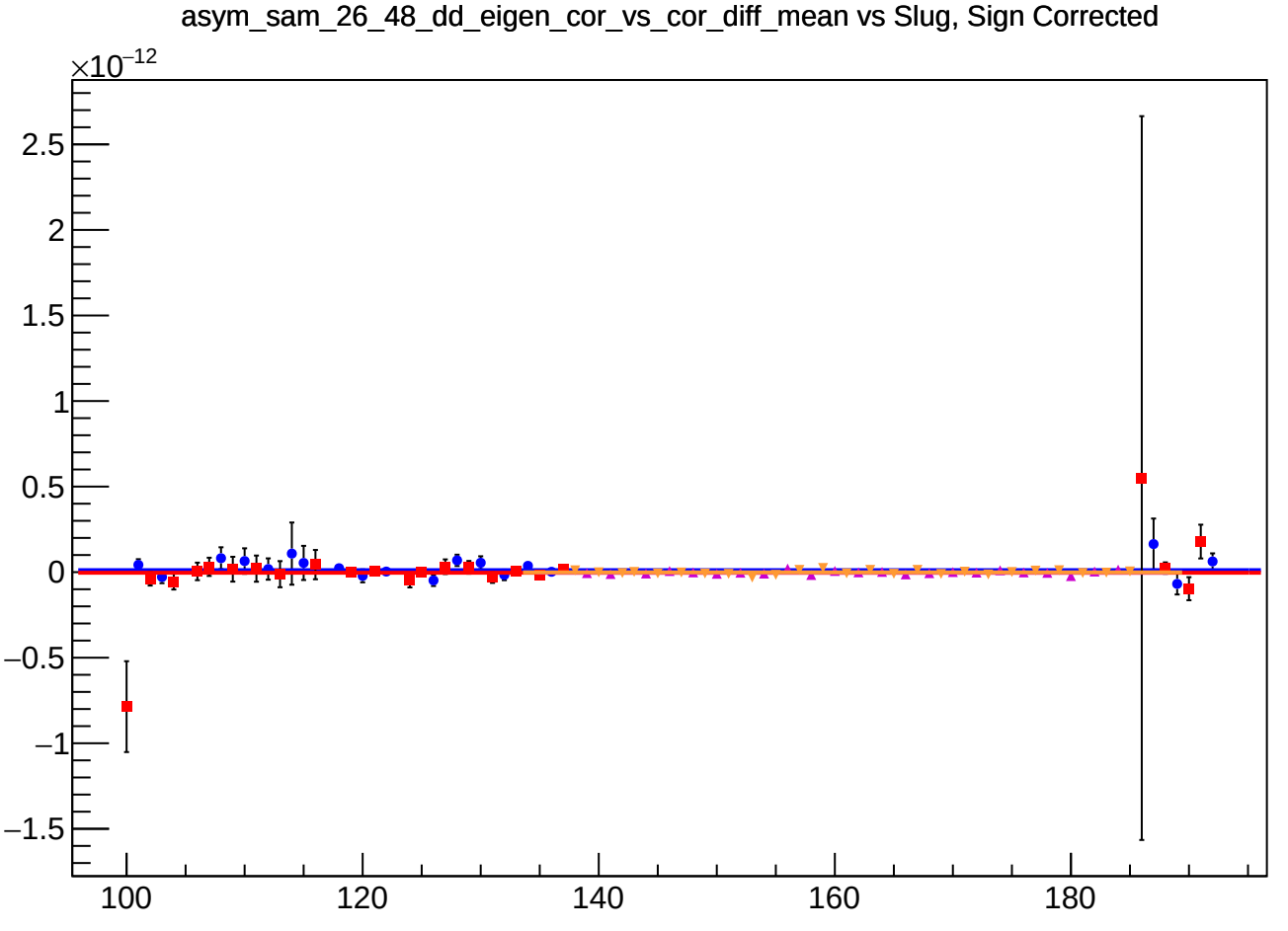
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 35.459+/-0.007 χ^2/NDF: 5721271.3/41

In: 35.972+/-0.005 χ^2/NDF:6071989.9/41

Out: 37.128+/-0.005 χ^2/NDF:6733885.2/47

All: 36.548+/-0.004 χ^2/NDF: 12829287.6/89



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: 23.6/22

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

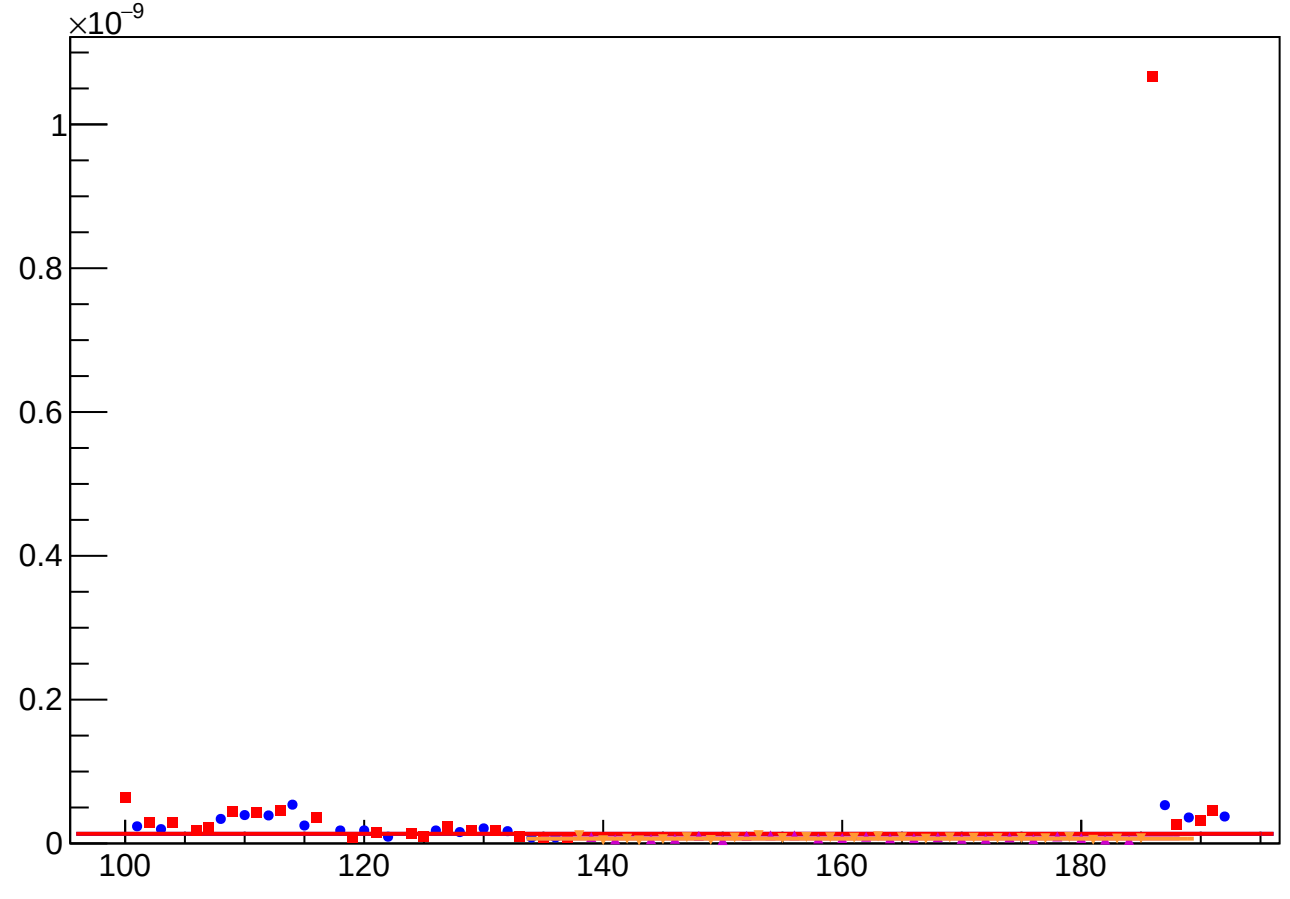
Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

Right: 0.000+/-0.000 χ^2/NDF: 47.1/41

In: -0.000+/-0.000 χ^2/NDF:46.2/41

Out: -0.000+/-0.000 χ^2/NDF:49.6/47

All: -0.000+/-0.000 χ^2/NDF: 95.9/89



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: 3943678.2/22

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

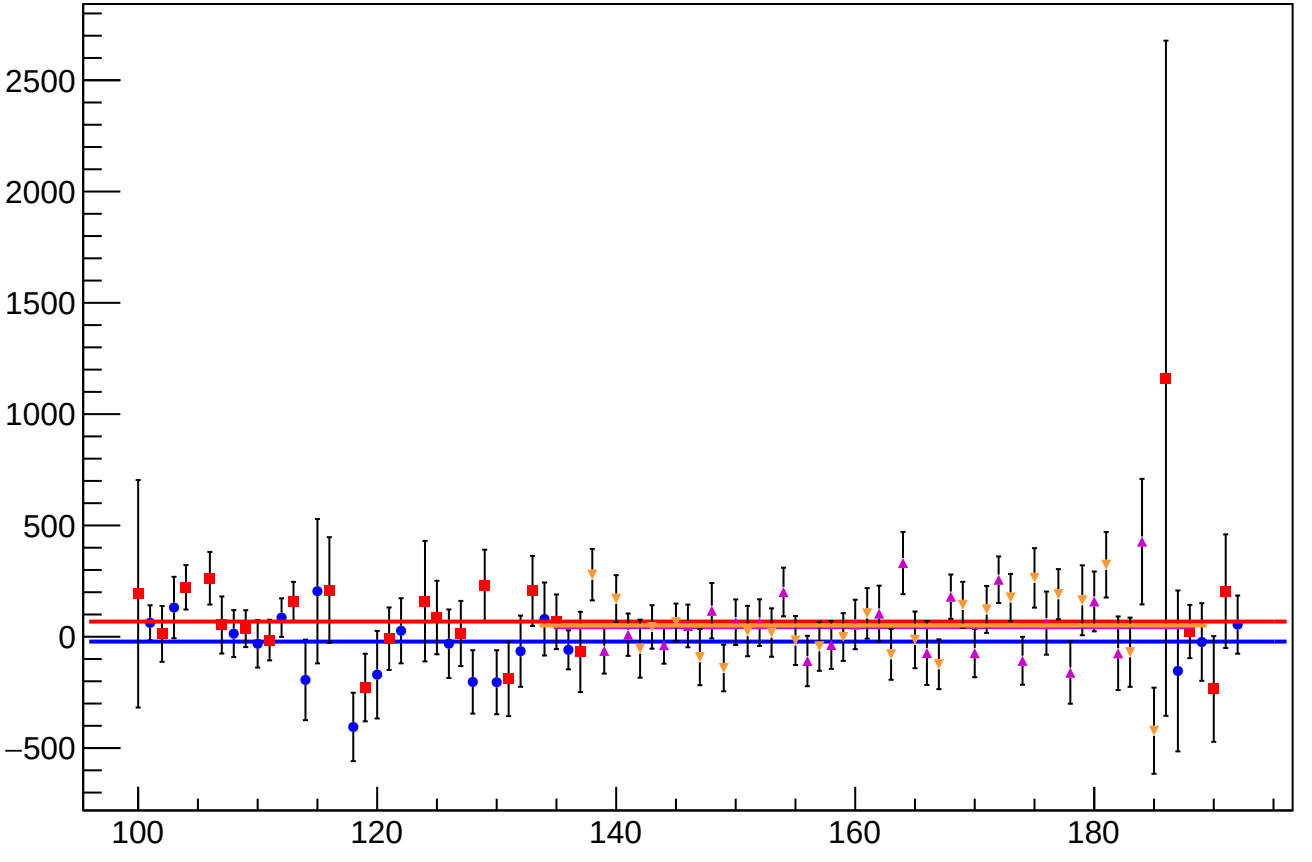
Right: 0.000+/-0.000 χ^2/NDF: 7072135.3/41

In: 0.000+/-0.000 χ^2/NDF:6311890.1/41

Out: 0.000+/-0.000 χ^2/NDF:7905690.4/47

All: 0.000+/-0.000 χ^2/NDF: 14276822.0/89

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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: 68.151+/-28.638 χ^2/NDF: 19.4/22

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

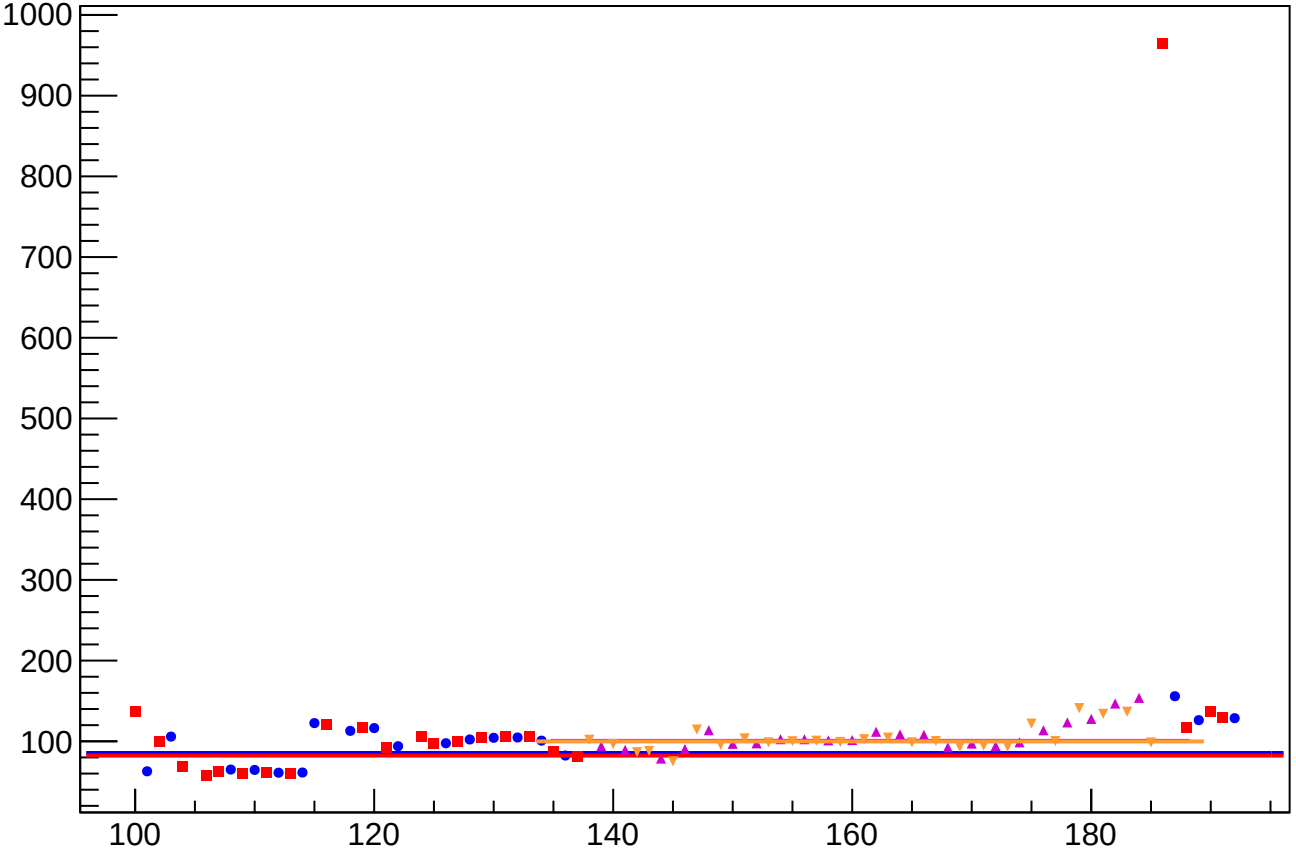
Right: 25.015+/-20.656 χ^2/NDF: 40.8/41

In: 17.871+/-18.582 χ^2/NDF:46.2/41

Out: 57.292+/-17.912 χ^2/NDF:53.1/47

All: 38.305+/-12.896 χ^2/NDF: 101.6/89

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: 82.310+/-0.020 χ^2/NDF: 1985505.5/22

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

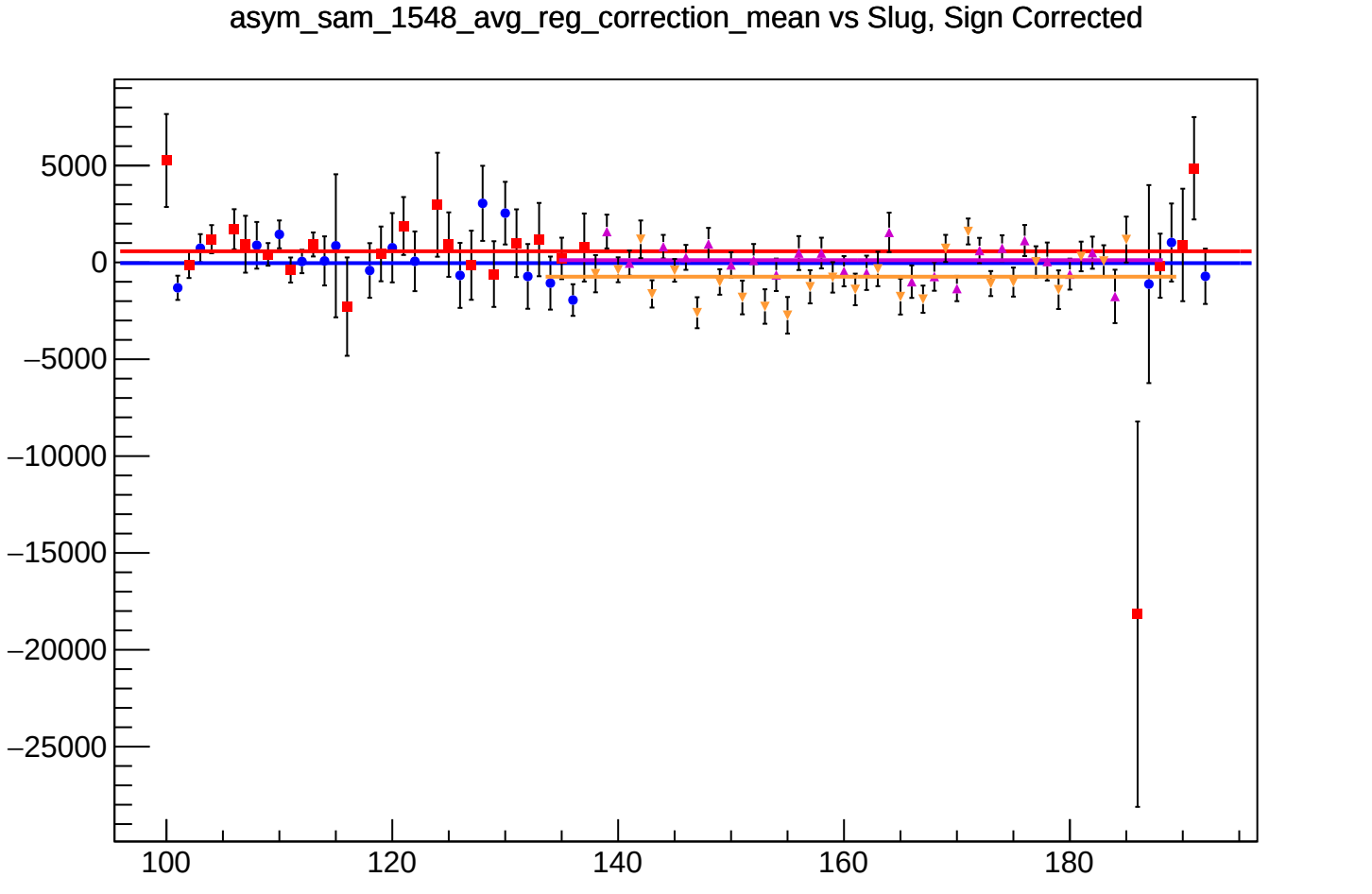
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 83.843+/-0.015 χ^2/NDF: 3225889.2/41

In: 94.677+/-0.013 χ^2/NDF:2194484.0/41

Out: 92.981+/-0.013 χ^2/NDF:3139429.6/47

All: 93.798+/-0.009 χ^2/NDF: 5342549.6/89



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: 575.705+/-234.287 χ^2/NDF: 19.7/22

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

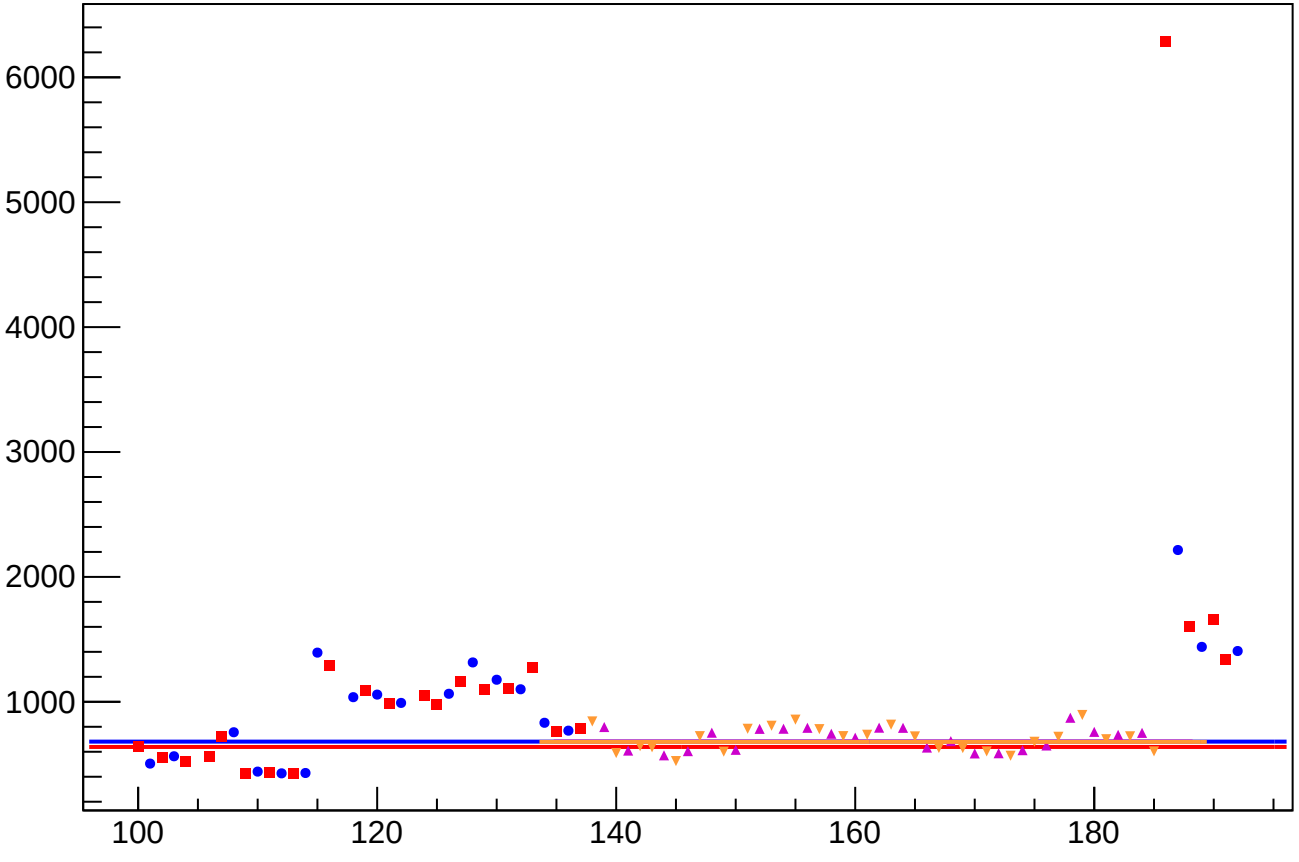
Right: 289.637+/-171.162 χ^2/NDF: 45.3/41

In: 70.825+/-135.458 χ^2/NDF:46.4/41

Out: -333.605+/-130.028 χ^2/NDF:91.1/47

All: -139.659+/-93.805 χ^2/NDF: 142.2/89

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: 638.477+/-0.166 χ^2/NDF: 3824709.2/22

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

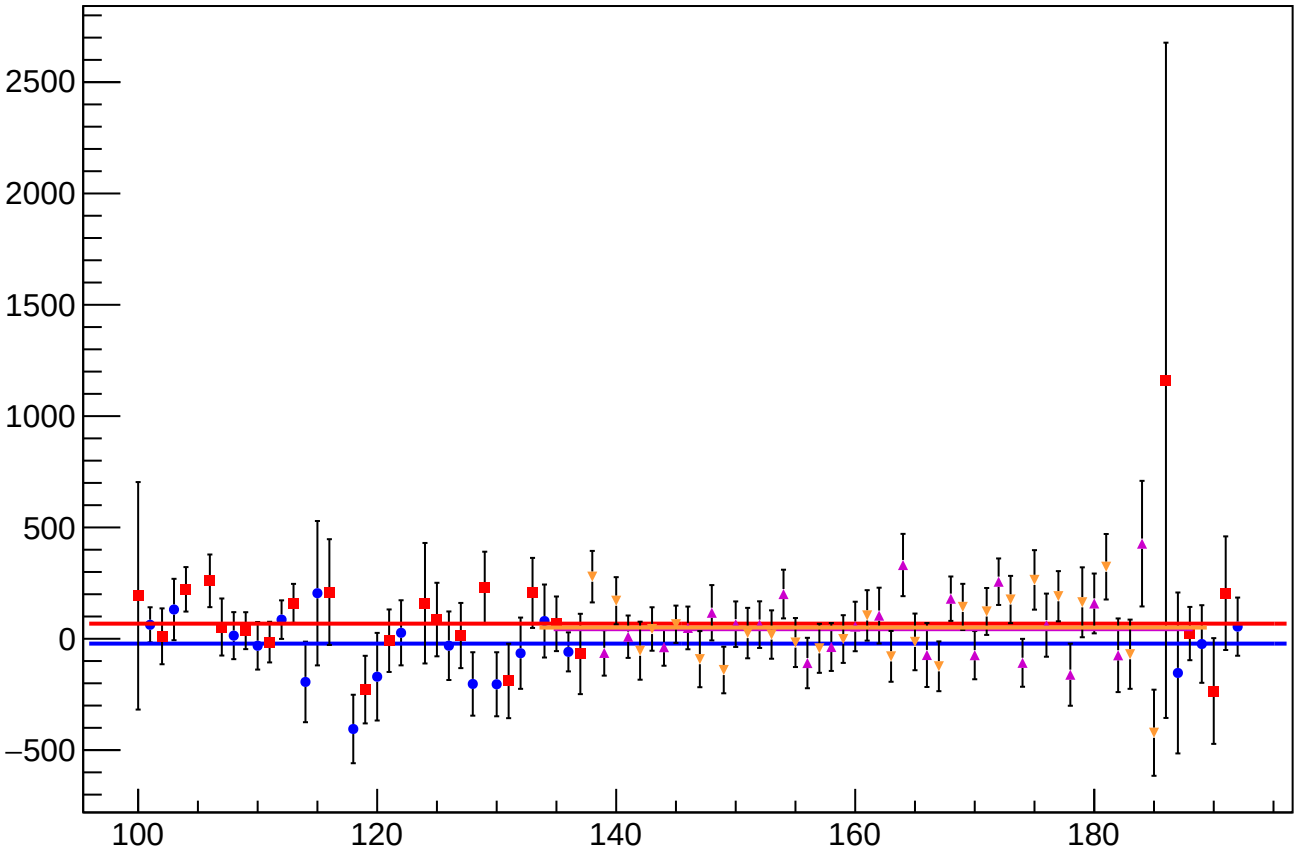
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 658.408+/-0.121 χ^2/NDF: 6758477.8/41

In: 681.698+/-0.096 χ^2/NDF:3476547.1/41

Out: 666.619+/-0.092 χ^2/NDF:4603832.1/47

All: 673.850+/-0.066 χ^2/NDF: 8093276.5/89



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: 67.908+/-28.639 χ^2/NDF: 19.3/22

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

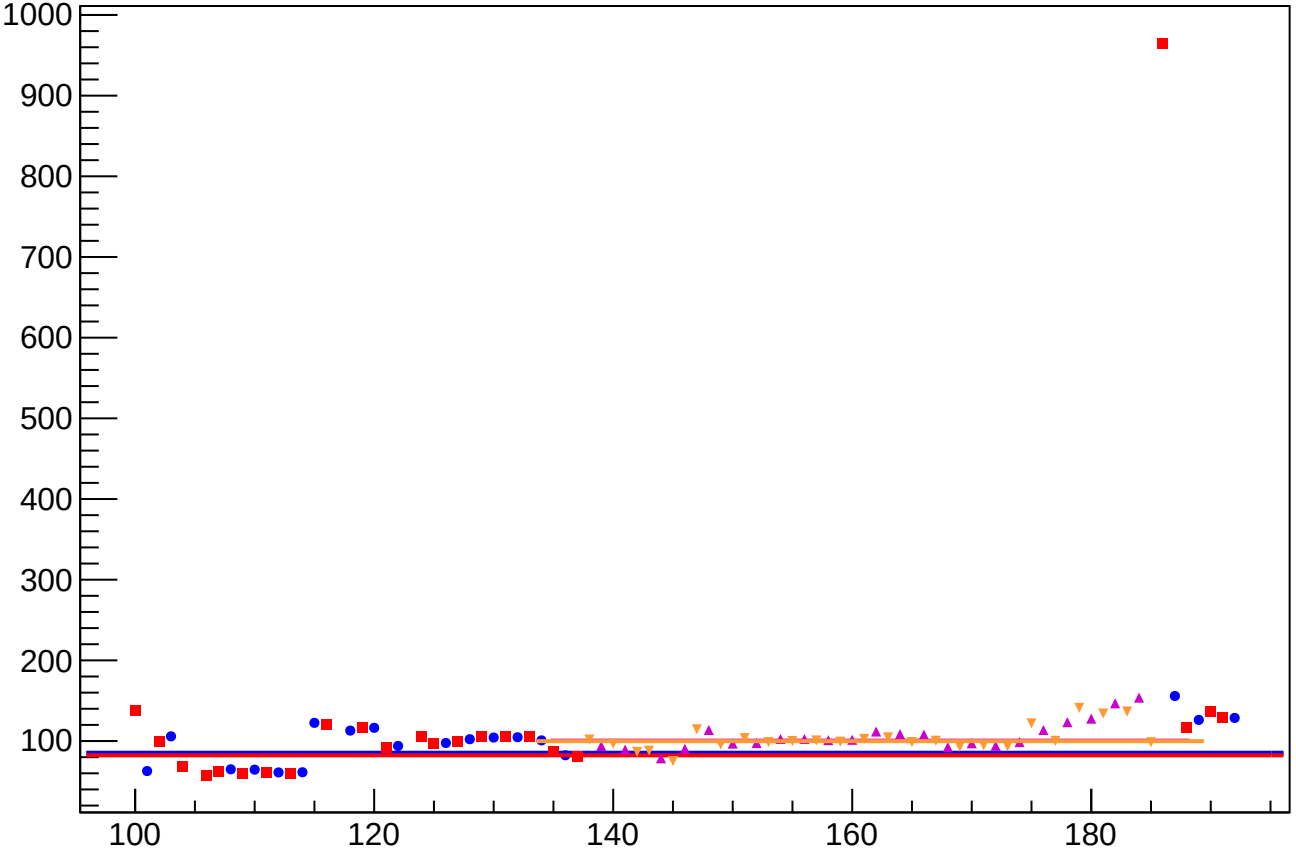
Right: 24.885+/-20.656 χ^2/NDF: 40.7/41

In: 17.871+/-18.582 χ^2/NDF:46.2/41

Out: 57.202+/-17.913 χ^2/NDF:53.0/47

All: 38.257+/-12.896 χ^2/NDF: 101.5/89

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: 82.294+/-0.020 χ^2/NDF: 1987973.5/22

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

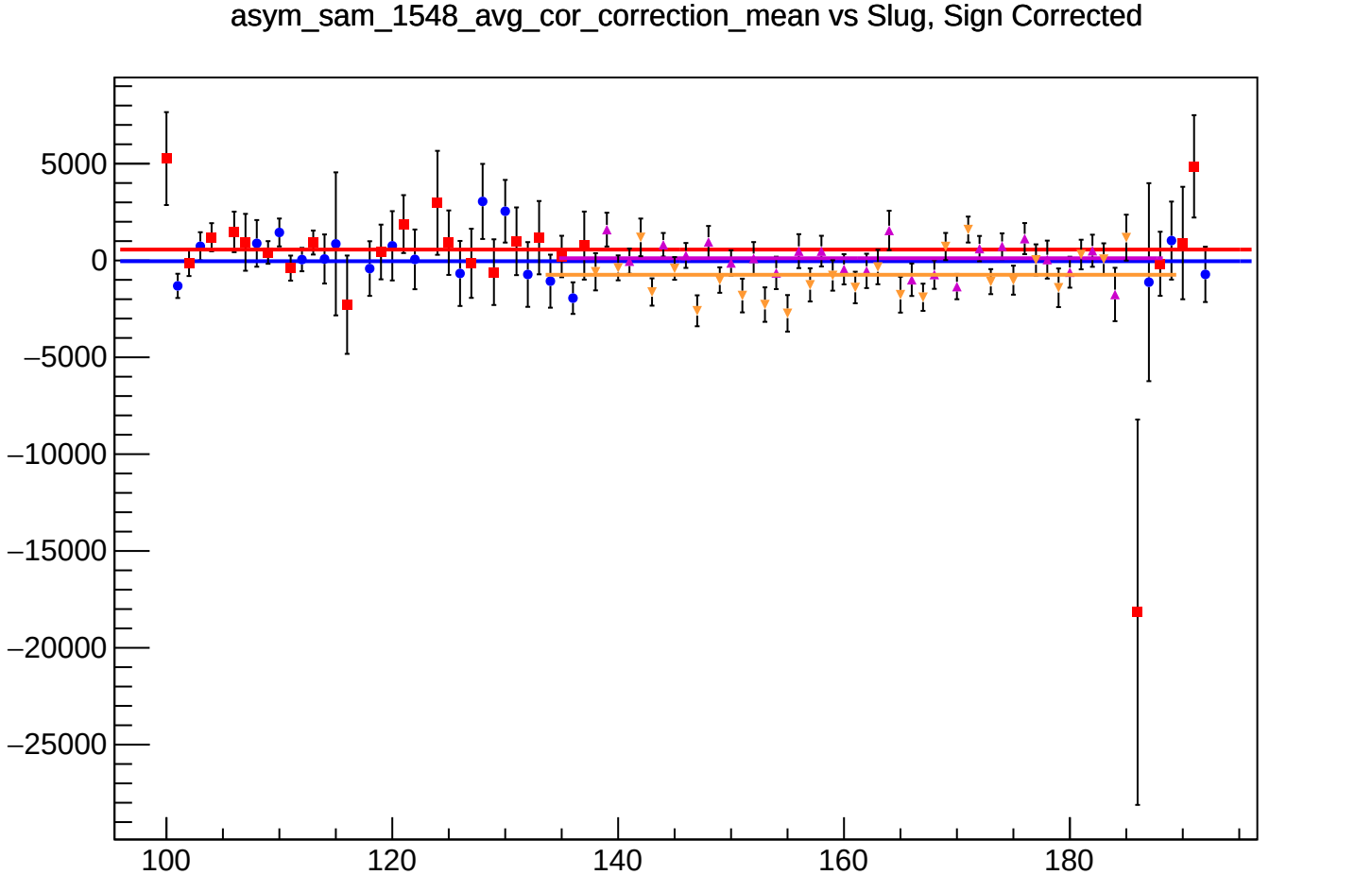
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 83.835+/-0.015 χ^2/NDF: 3228483.3/41

In: 94.677+/-0.013 χ^2/NDF:2194485.3/41

Out: 92.975+/-0.013 χ^2/NDF:3142731.4/47

All: 93.795+/-0.009 χ^2/NDF: 5345914.1/89



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: 563.228+/-234.427 χ^2/NDF: 19.2/22

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

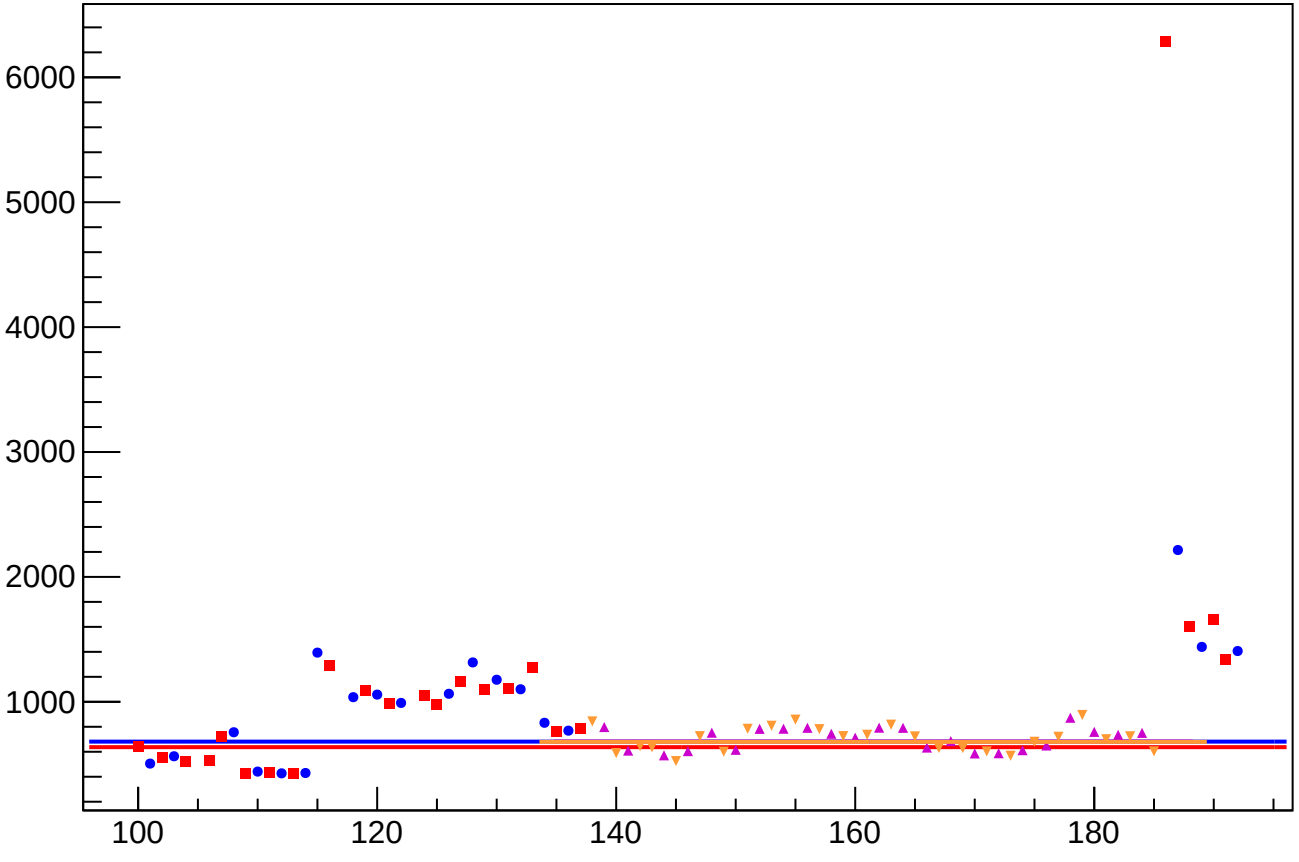
Right: 282.791+/-171.218 χ^2/NDF: 44.7/41

In: 70.818+/-135.459 χ^2/NDF:46.4/41

Out: -337.772+/-130.052 χ^2/NDF:90.2/47

All: -141.794+/-93.814 χ^2/NDF: 141.4/89

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: 636.900+/-0.166 χ^2/NDF: 3835809.6/22

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

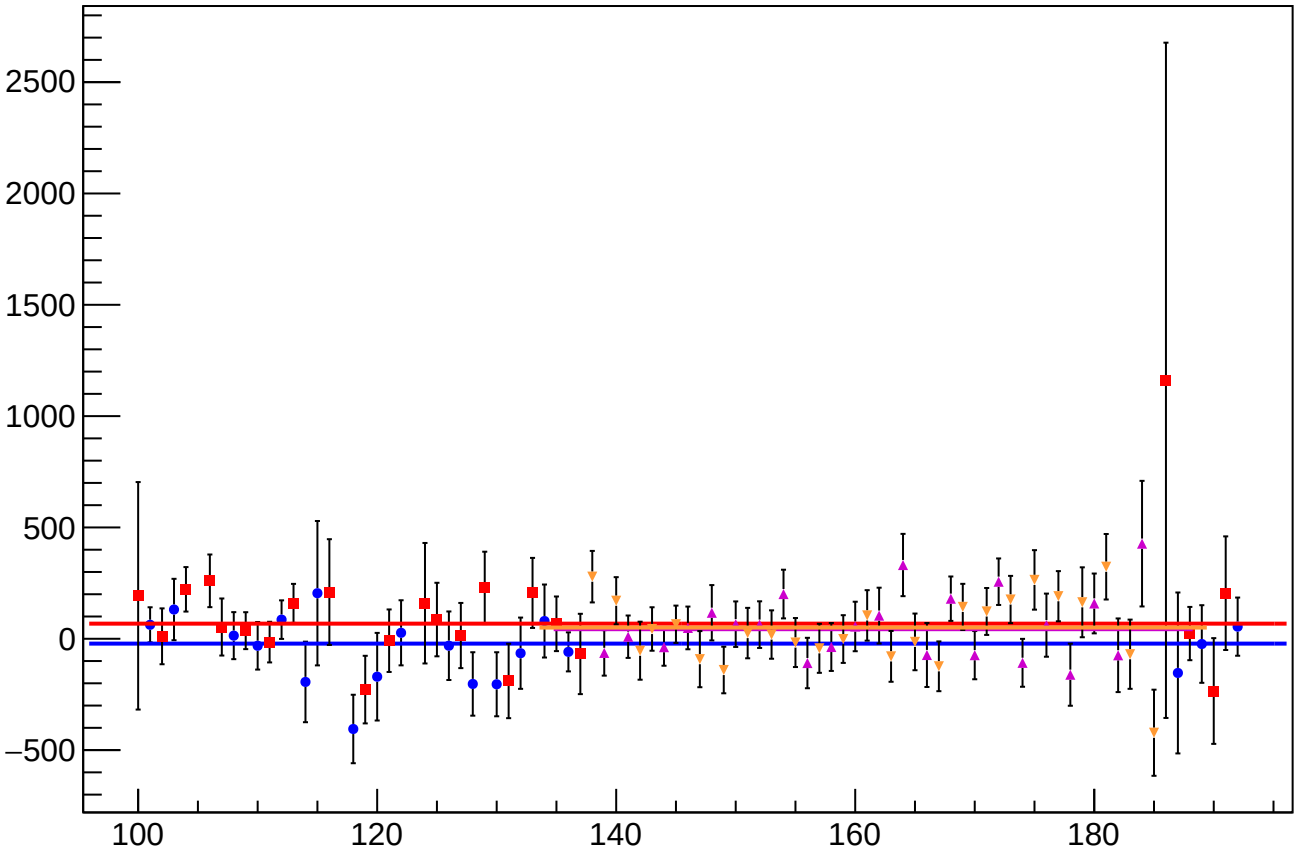
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 657.584+/-0.121 χ^2/NDF: 6771842.6/41

In: 681.700+/-0.096 χ^2/NDF:3476485.2/41

Out: 666.144+/-0.092 χ^2/NDF:4618190.1/47

All: 673.606+/-0.066 χ^2/NDF: 8108400.2/89



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: 67.908+/-28.639 χ^2/NDF: 19.3/22

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

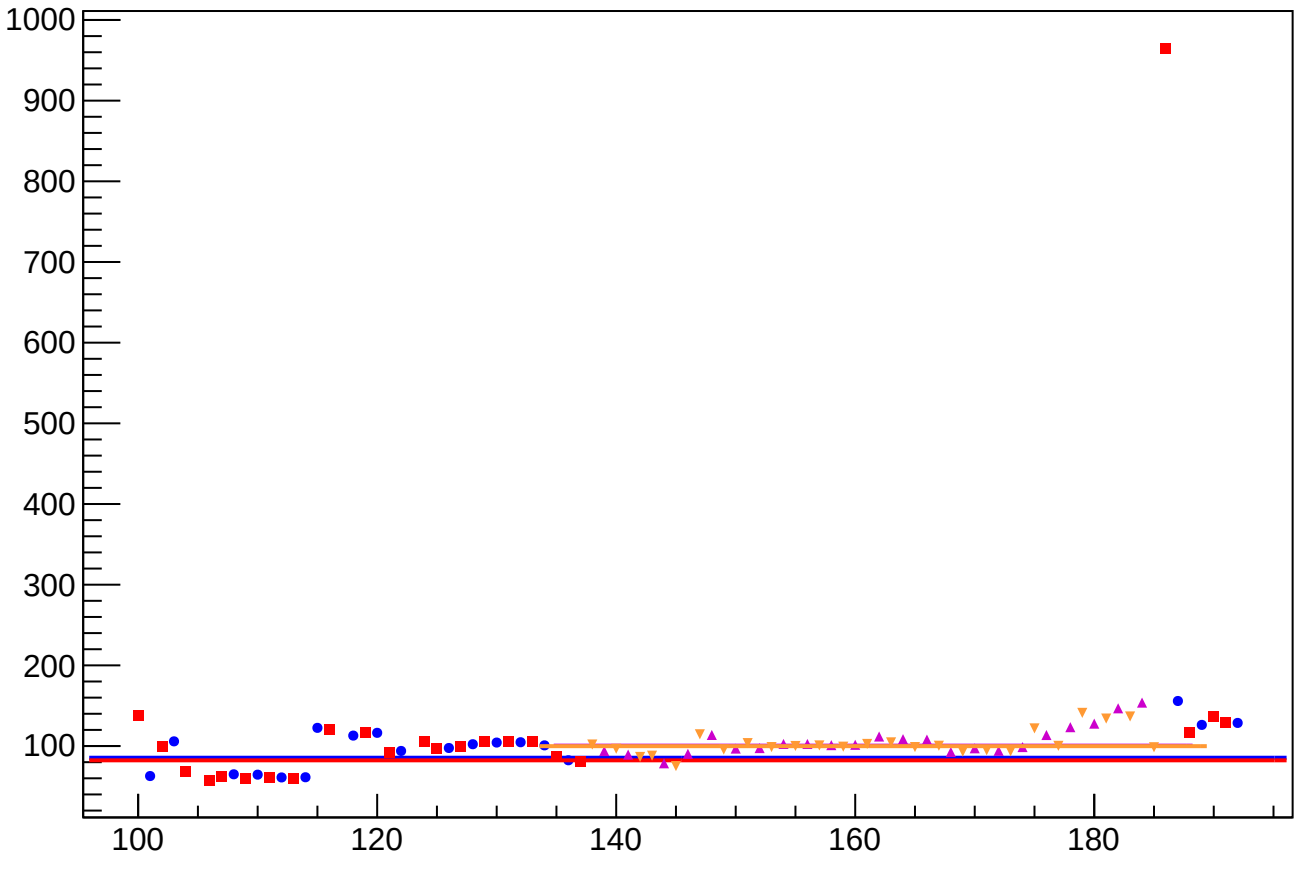
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: 24.885+/-20.656 χ^2/NDF: 40.7/41

In: 17.871+/-18.582 χ^2/NDF:46.2/41

Out: 57.202+/-17.913 χ^2/NDF:53.0/47

All: 38.257+/-12.896 χ^2/NDF: 101.5/89



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: 82.294+/-0.020 χ^2/NDF: 1987973.5/22

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

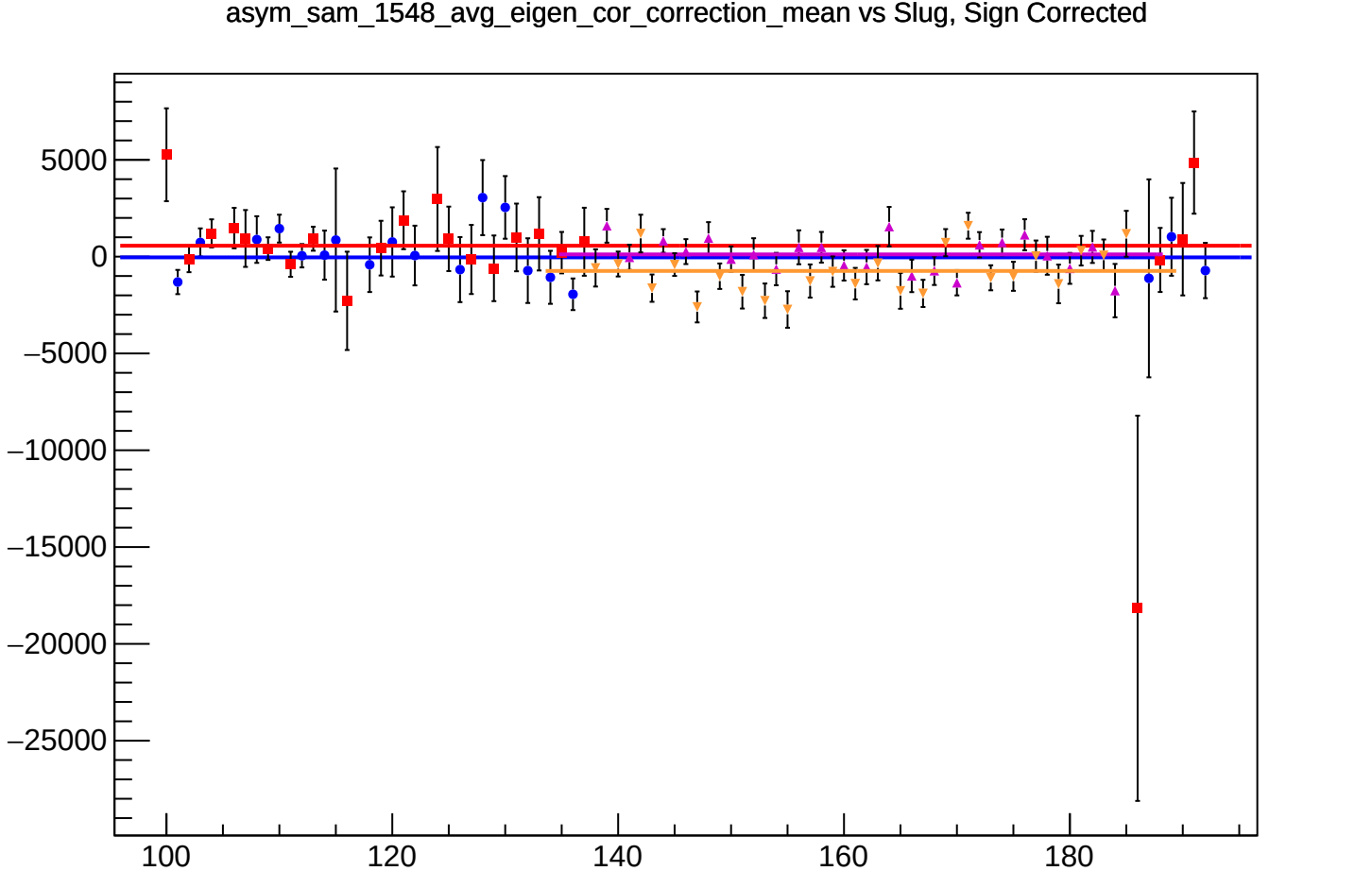
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 83.835+/-0.015 χ^2/NDF: 3228483.3/41

In: 94.677+/-0.013 χ^2/NDF:2194485.3/41

Out: 92.975+/-0.013 χ^2/NDF:3142731.4/47

All: 93.795+/-0.009 χ^2/NDF: 5345914.1/89



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: 563.228+/-234.427 χ^2/NDF: 19.2/22

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

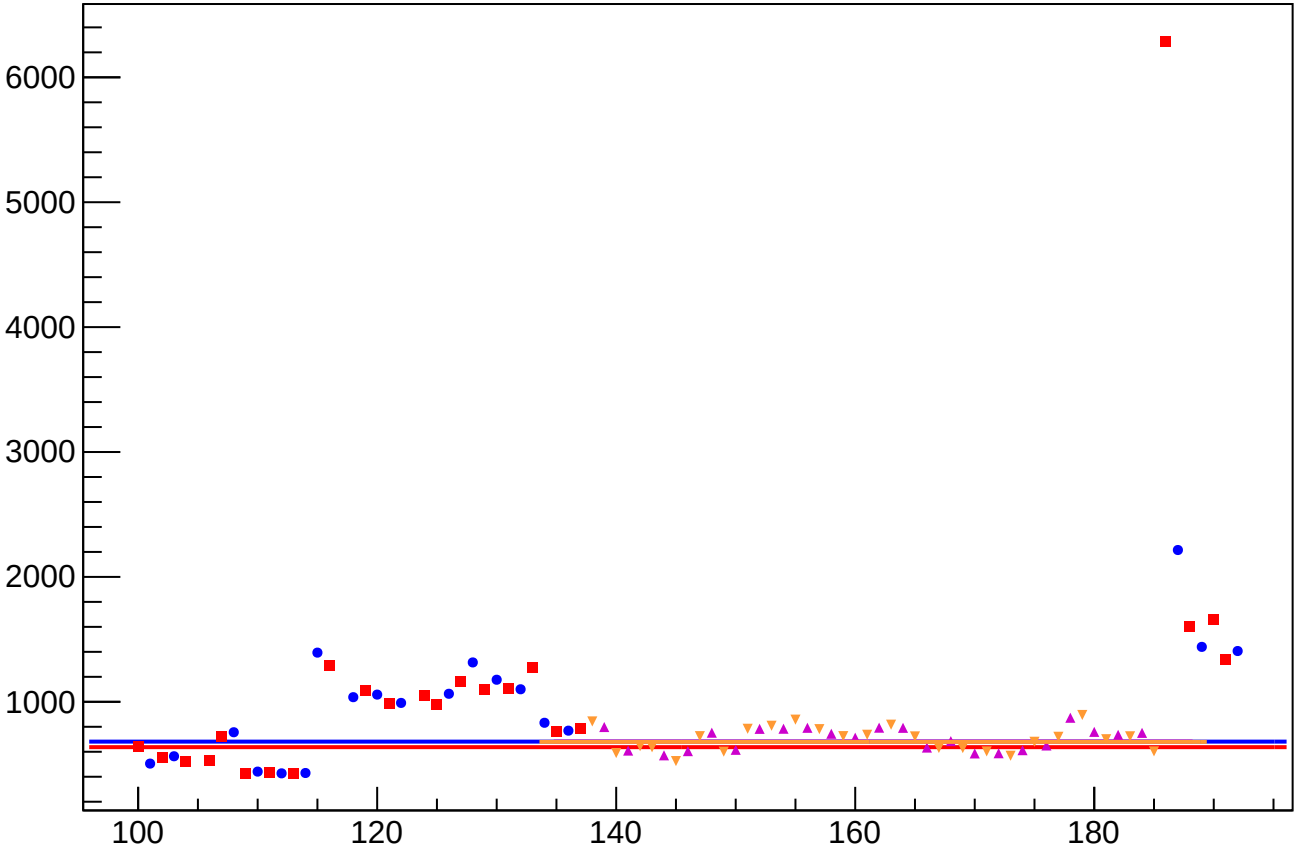
Right: 282.791+/-171.218 χ^2/NDF: 44.7/41

In: 70.818+/-135.459 χ^2/NDF:46.4/41

Out: -337.772+/-130.052 χ^2/NDF:90.2/47

All: -141.794+/-93.814 χ^2/NDF: 141.4/89

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: 636.900+/-0.166 χ^2/NDF: 3835809.6/22

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

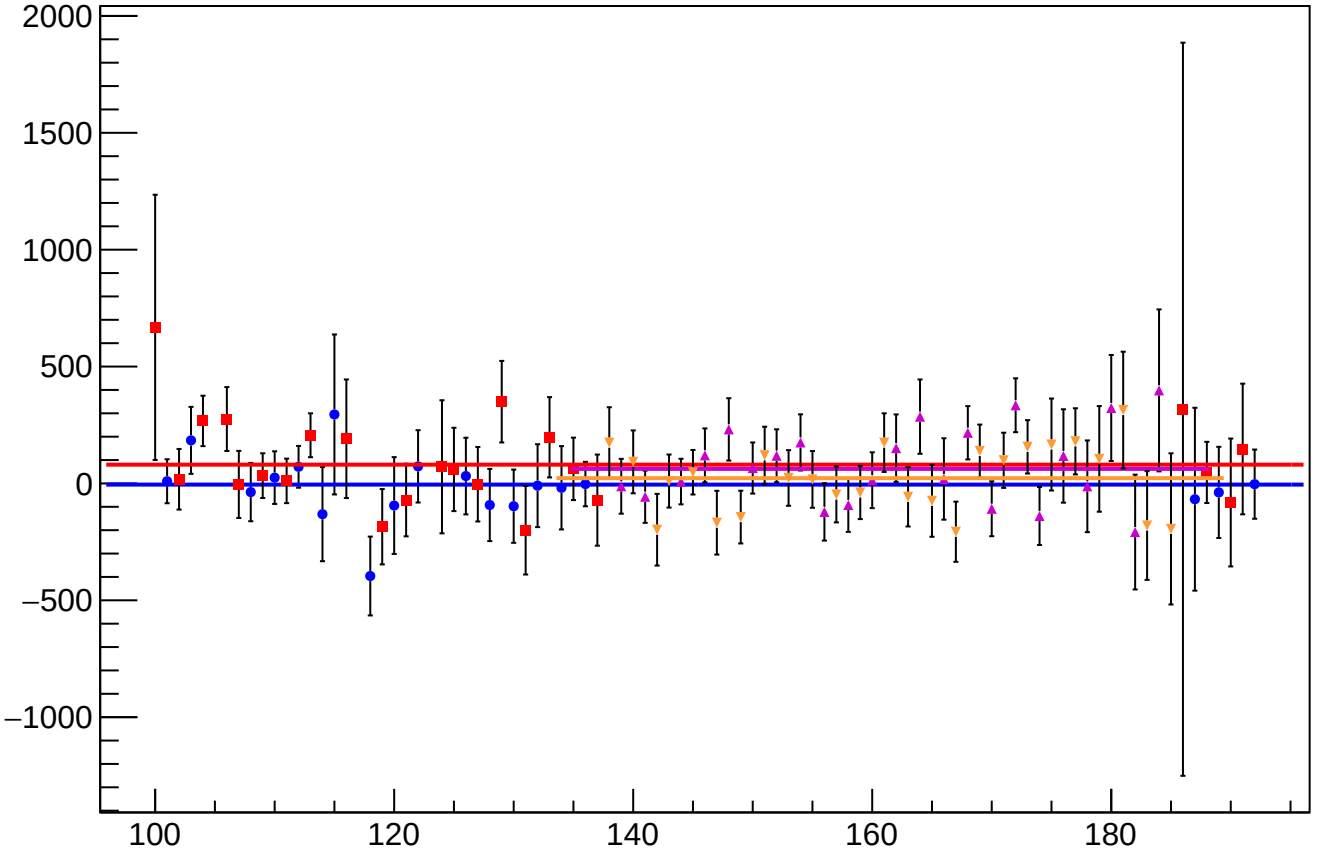
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 657.584+/-0.121 χ^2/NDF: 6771842.6/41

In: 681.700+/-0.096 χ^2/NDF:3476485.2/41

Out: 666.144+/-0.092 χ^2/NDF:4618190.1/47

All: 673.606+/-0.066 χ^2/NDF: 8108400.2/89



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: 80.322+/-31.250 χ^2/NDF: 19.6/22

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

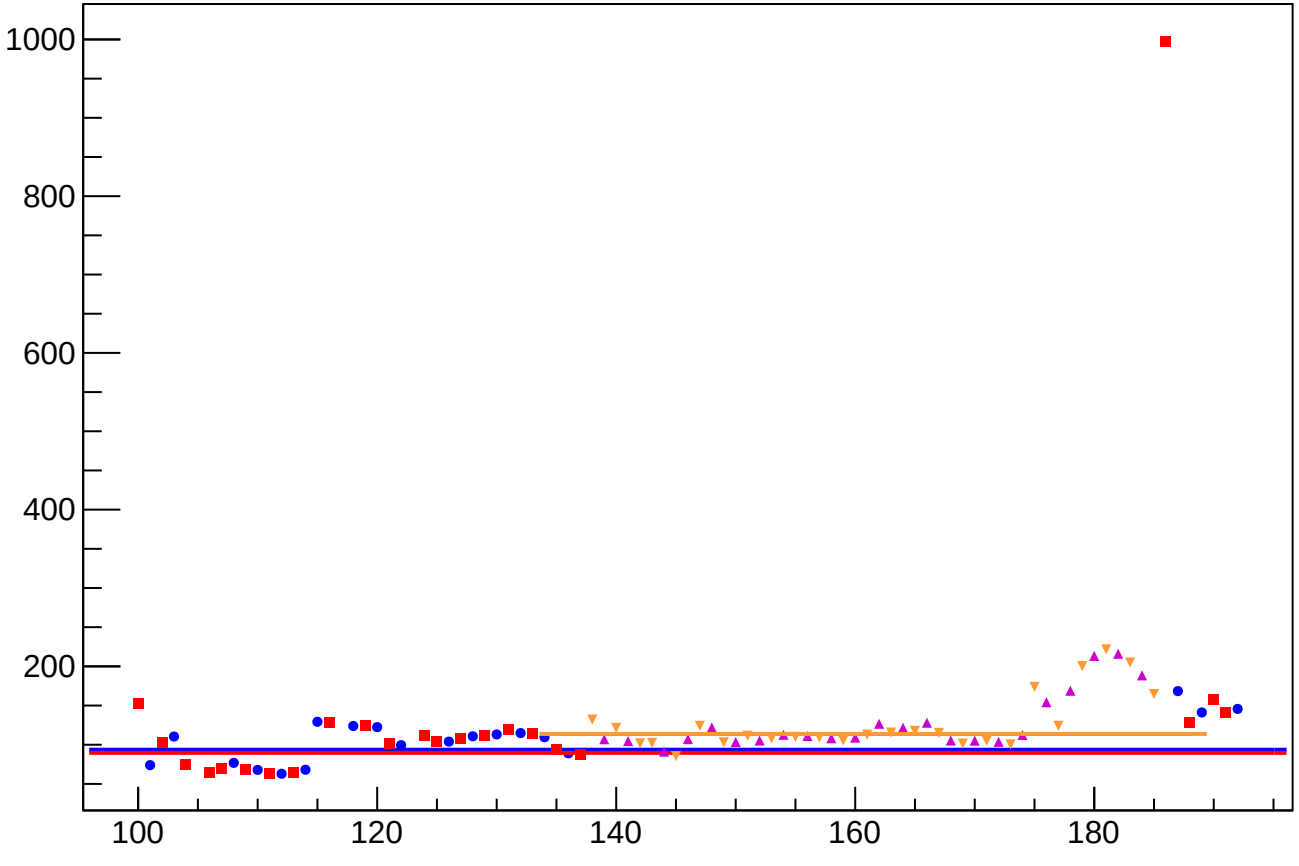
Right: 39.567+/-22.589 χ^2/NDF: 33.5/41

In: 34.512+/-20.971 χ^2/NDF:40.2/41

Out: 46.864+/-20.275 χ^2/NDF:43.1/47

All: 40.897+/-14.576 χ^2/NDF: 83.5/89

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: 89.655+/-0.022 χ^2/NDF: 1950845.9/22

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

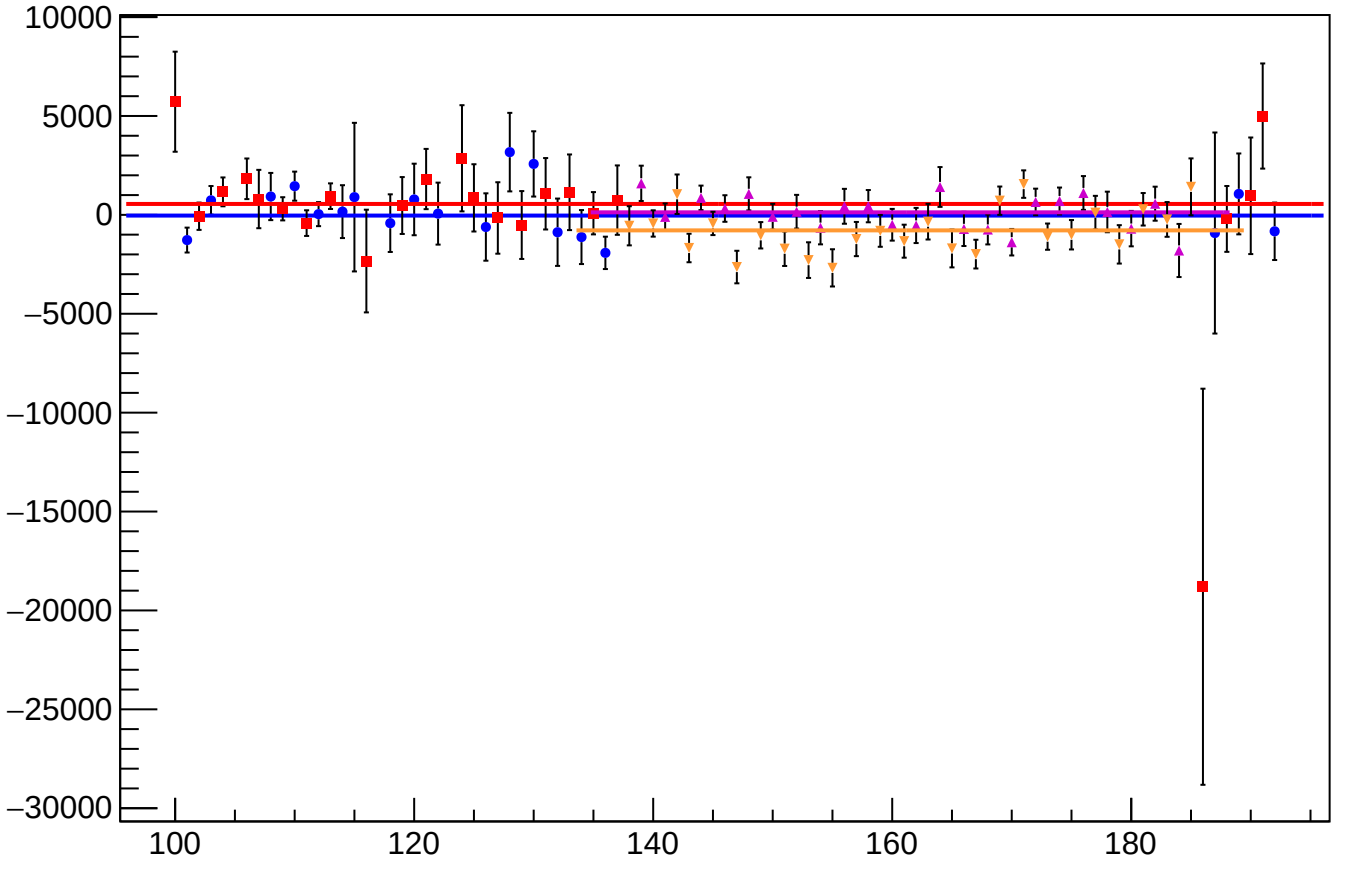
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 91.546+/-0.016 χ^2/NDF: 3170132.8/41

In: 105.420+/-0.015 χ^2/NDF:2963251.2/41

Out: 103.617+/-0.014 χ^2/NDF:4220230.4/47

All: 104.488+/-0.010 χ^2/NDF: 7191123.2/89



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: 551.882+/-236.951 χ^2/NDF: 20.4/22

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

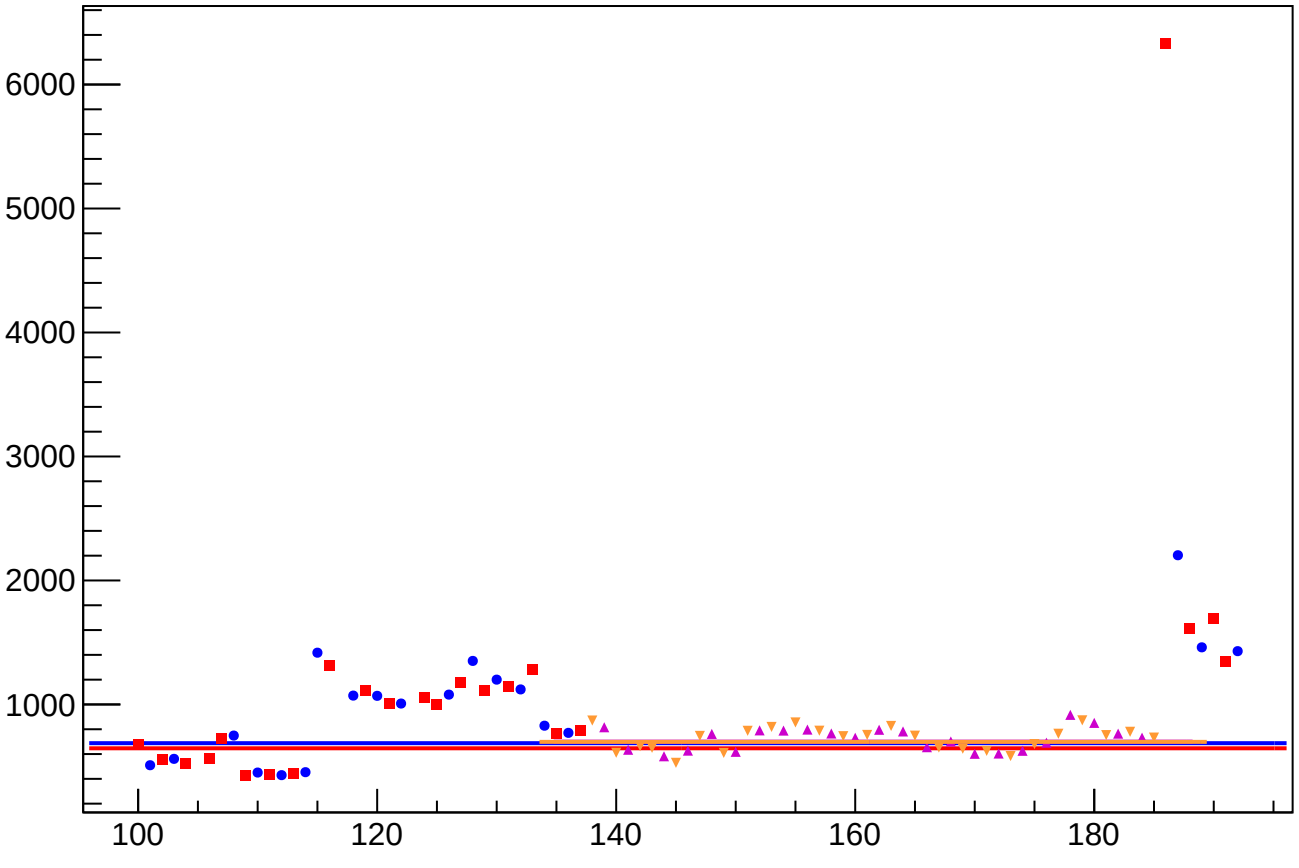
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 277.331+/-172.969 χ^2/NDF: 45.4/41

In: 79.127+/-138.368 χ^2/NDF:45.2/41

Out: -364.114+/-132.875 χ^2/NDF:87.6/47

All: -151.466+/-95.840 χ^2/NDF: 138.1/89



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: 646.391+/-0.168 χ^2/NDF: 3826506.8/22

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

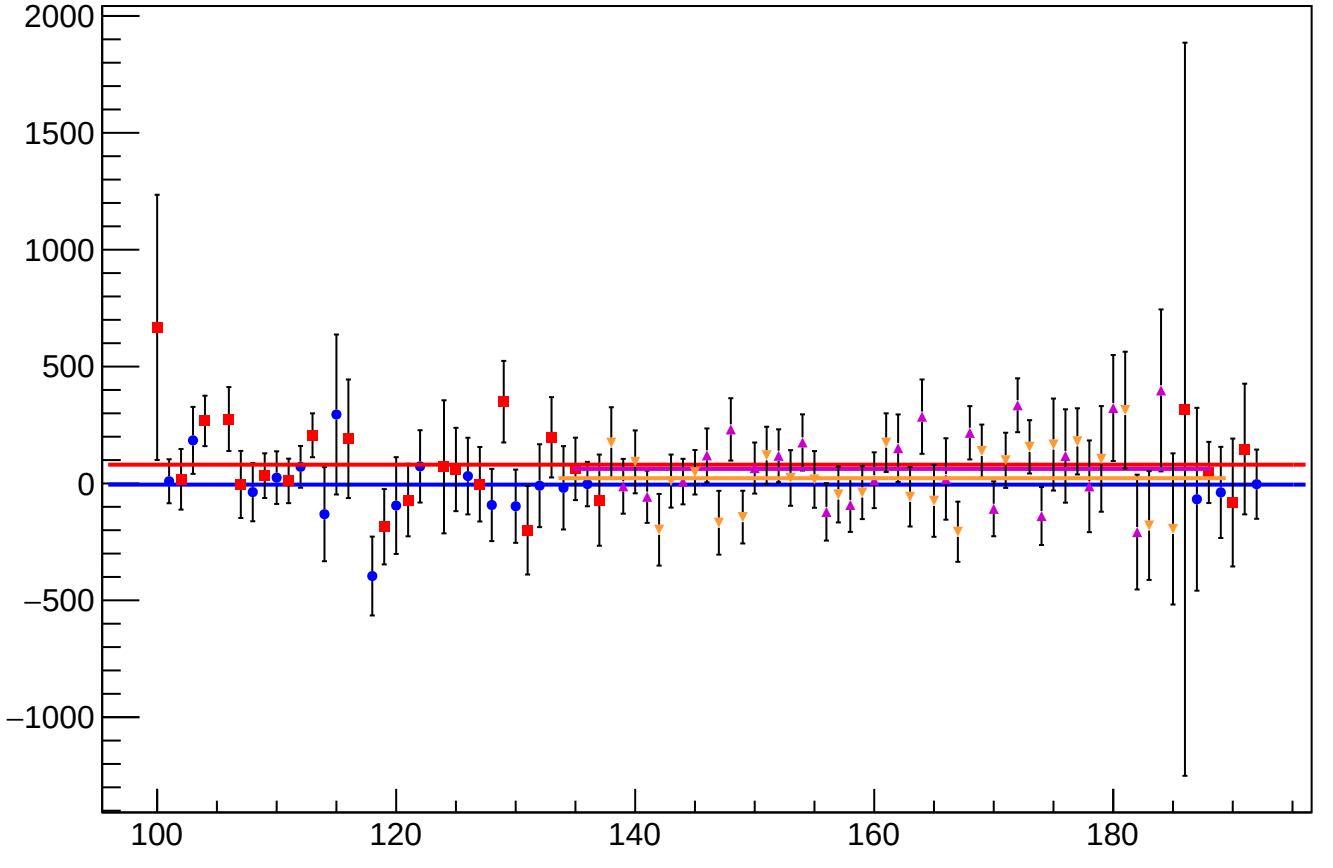
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 665.699+/-0.122 χ^2/NDF: 6776938.2/41

In: 696.386+/-0.098 χ^2/NDF:3509662.4/41

Out: 681.933+/-0.094 χ^2/NDF:4606835.5/47

All: 688.867+/-0.068 χ^2/NDF: 8127849.5/89



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: 80.322+/-31.250 χ^2/NDF: 19.6/22

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

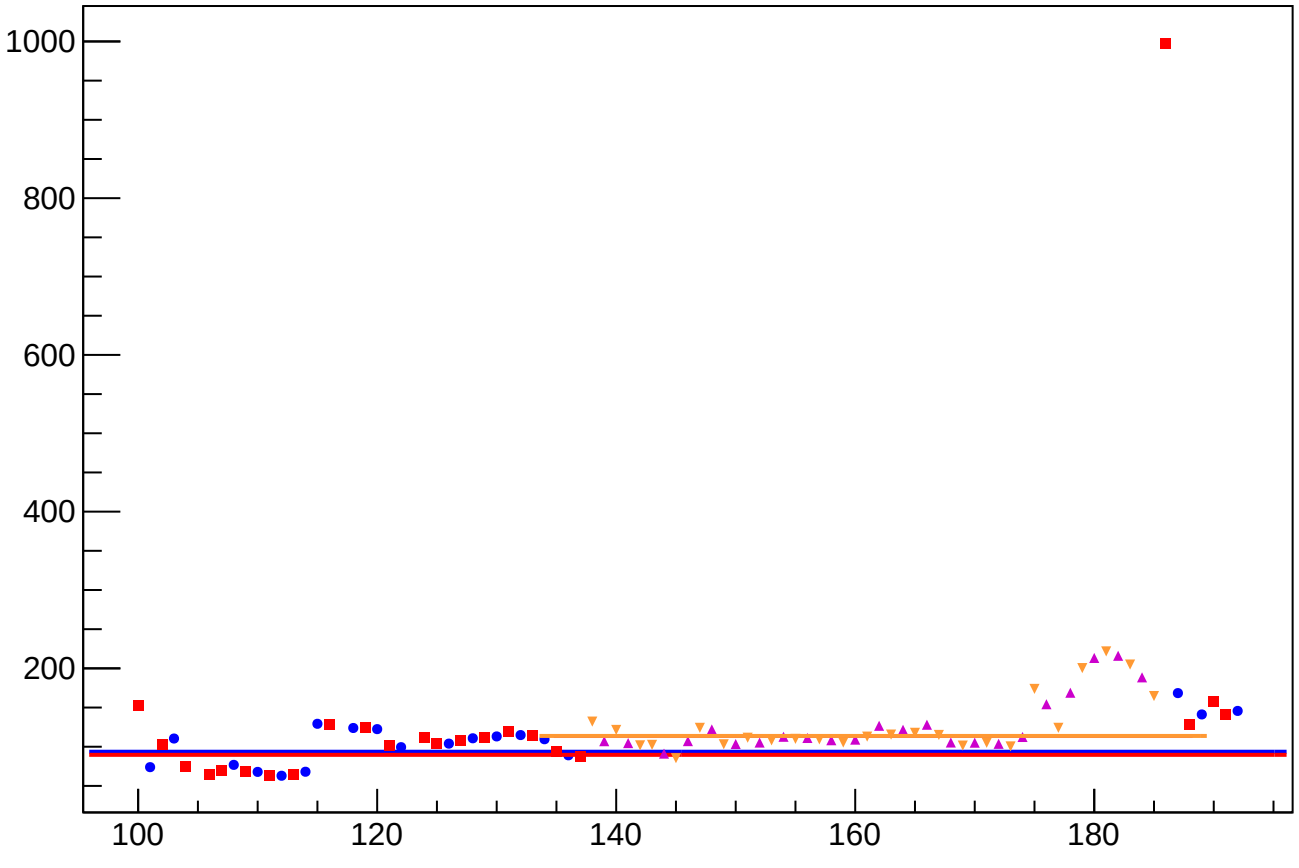
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 39.568+/-22.589 χ^2/NDF: 33.5/41

In: 34.513+/-20.971 χ^2/NDF:40.2/41

Out: 46.864+/-20.275 χ^2/NDF:43.1/47

All: 40.897+/-14.576 χ^2/NDF: 83.5/89



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: 89.655+/-0.022 χ^2/NDF: 1950848.3/22

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

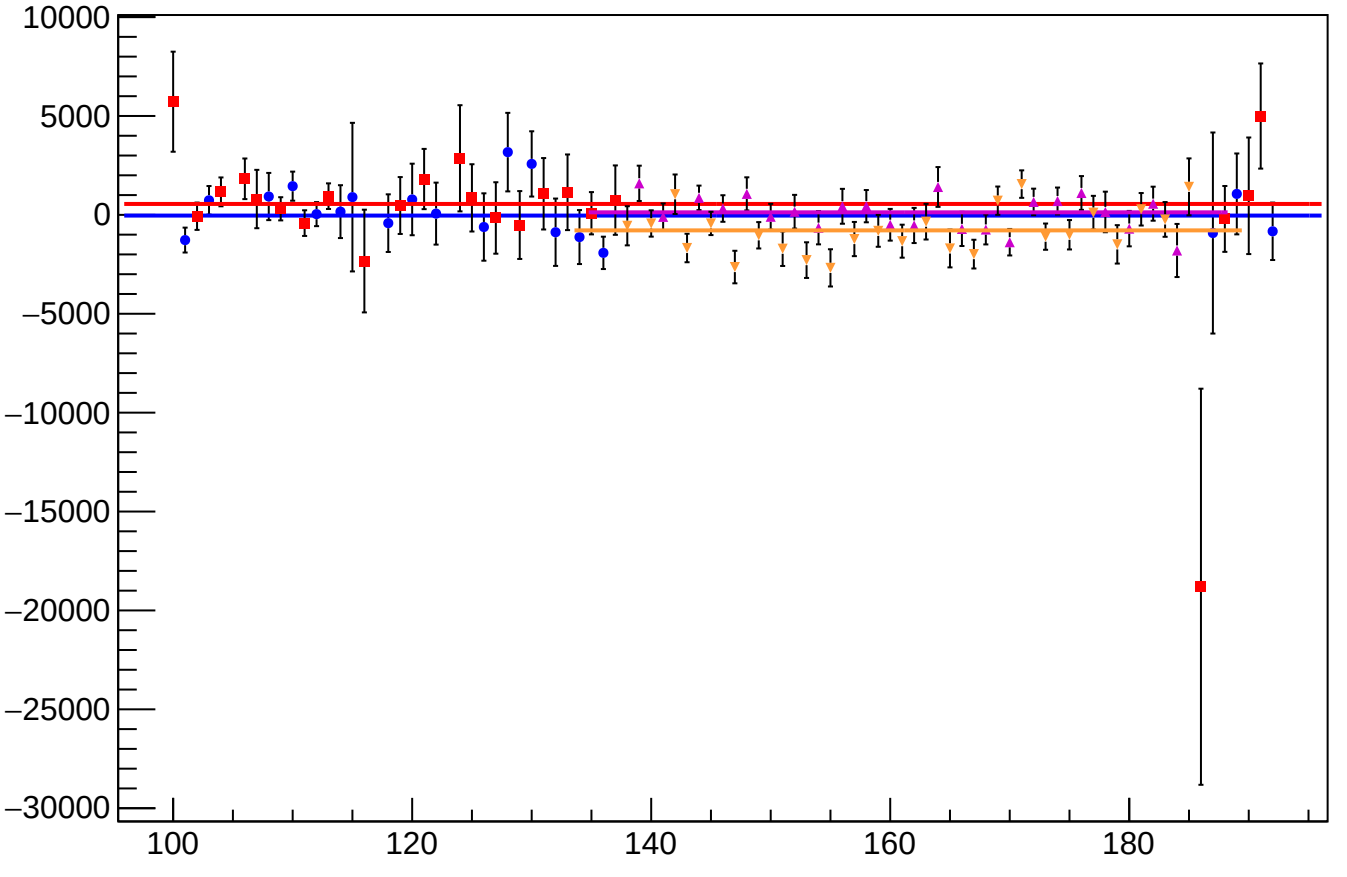
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 91.546+/-0.016 χ^2/NDF: 3170131.6/41

In: 105.420+/-0.015 χ^2/NDF:2963234.6/41

Out: 103.617+/-0.014 χ^2/NDF:4220231.7/47

All: 104.488+/-0.010 χ^2/NDF: 7191108.1/89



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: 551.881+/-236.951 χ^2/NDF: 20.4/22

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

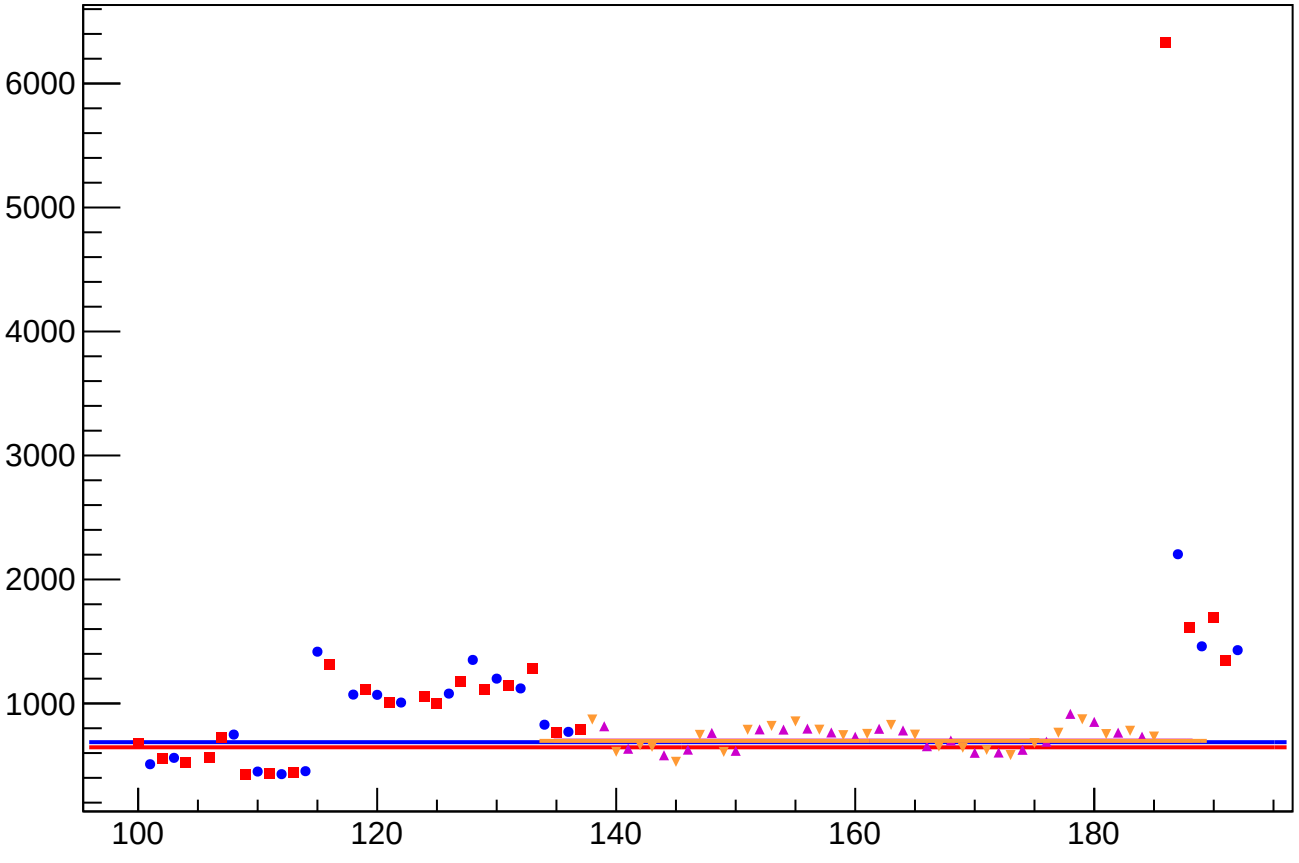
Right: 277.331+/-172.969 χ^2/NDF: 45.4/41

In: 79.127+/-138.368 χ^2/NDF:45.2/41

Out: -364.113+/-132.874 χ^2/NDF:87.6/47

All: -151.466+/-95.840 χ^2/NDF: 138.1/89

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 646.390+/-0.168 χ^2/NDF: 3826507.7/22

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

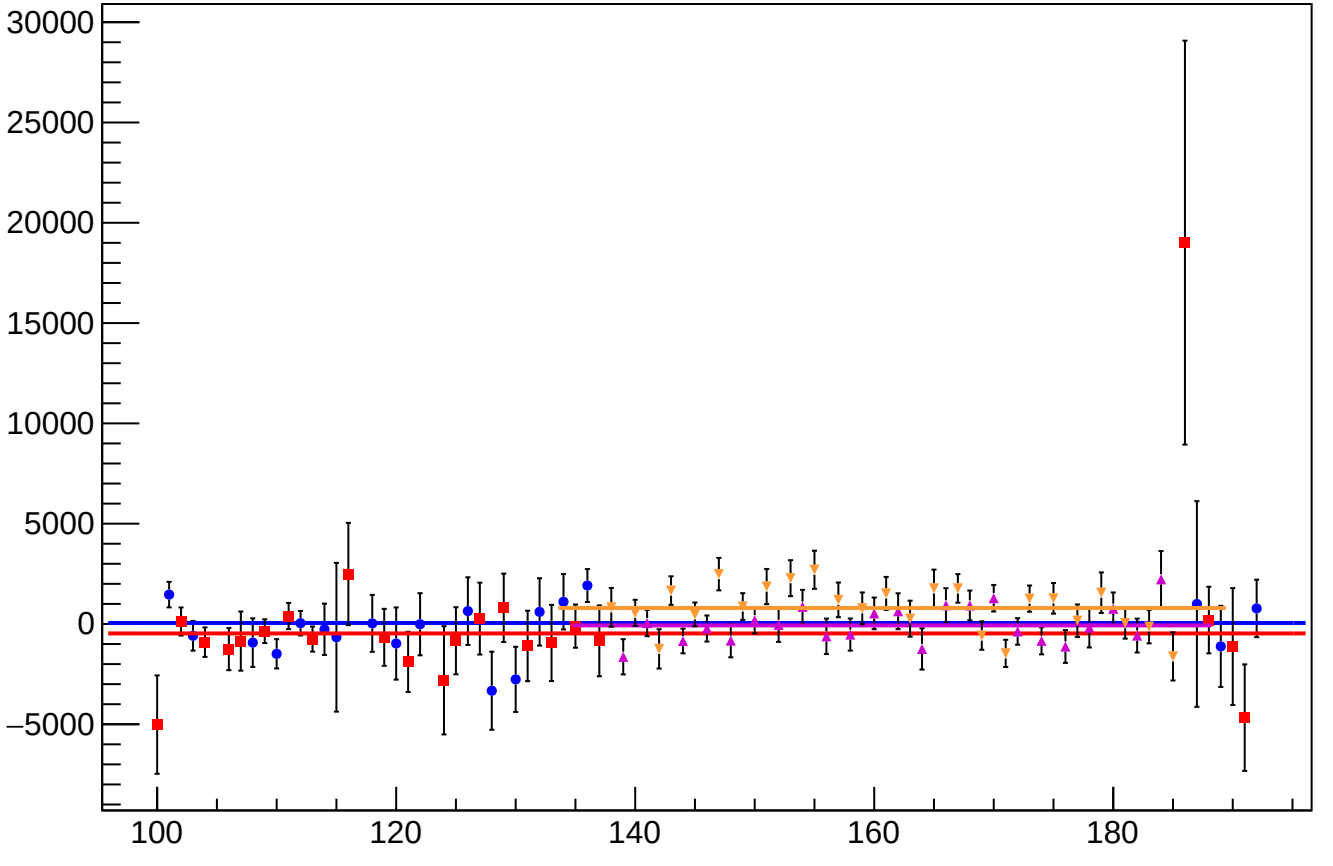
Right: 665.698+/-0.122 χ^2/NDF: 6776941.2/41

In: 696.385+/-0.098 χ^2/NDF:3509660.1/41

Out: 681.933+/-0.094 χ^2/NDF:4606834.7/47

All: 688.866+/-0.068 χ^2/NDF: 8127846.6/89

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: -471.937+/-236.804 χ^2/NDF: 17.7/22

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

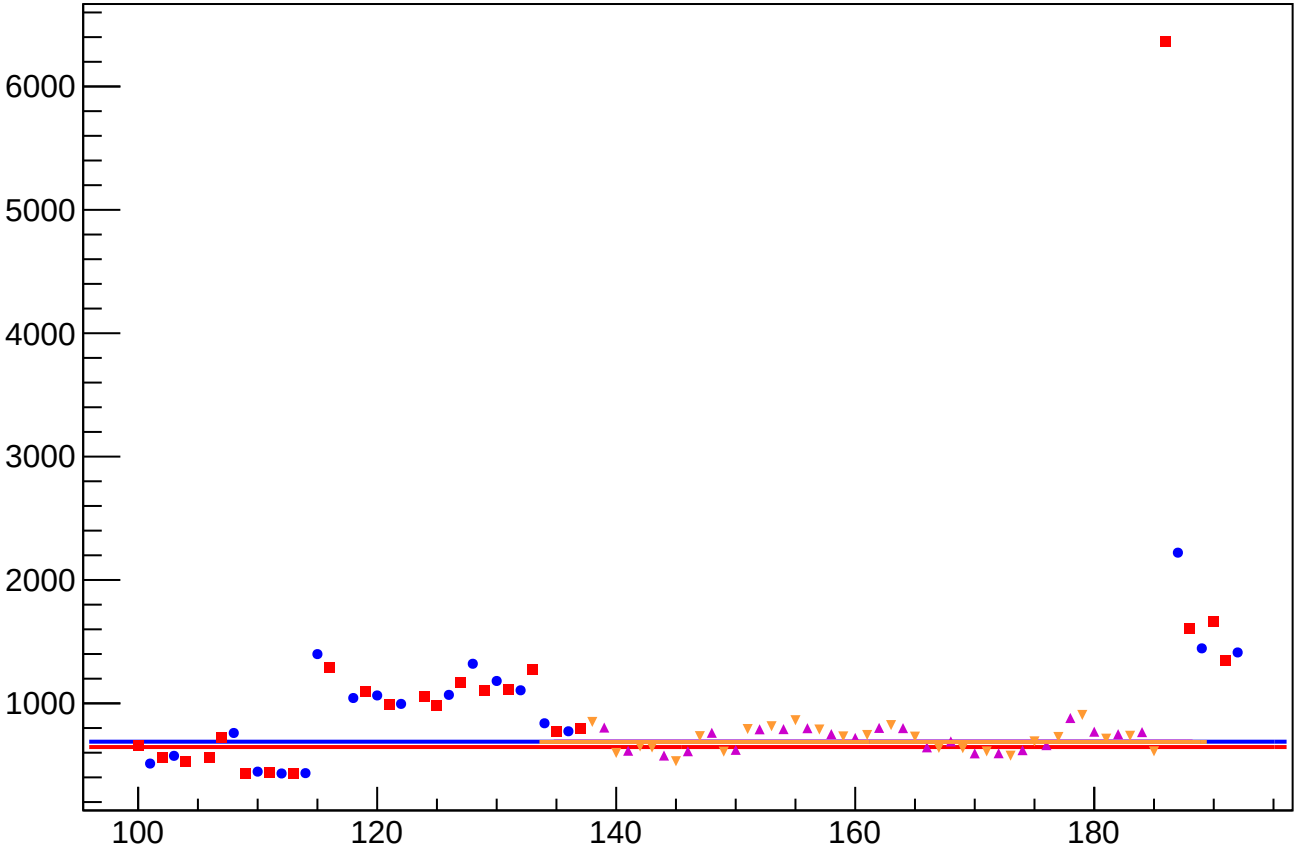
Right: -228.471+/-172.986 χ^2/NDF: 43.8/41

In: -37.343+/-137.001 χ^2/NDF:48.9/41

Out: 405.560+/-131.512 χ^2/NDF:84.0/47

All: 193.159+/-94.874 χ^2/NDF: 138.3/89

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: 645.803+/-0.167 χ^2/NDF: 3787338.3/22

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

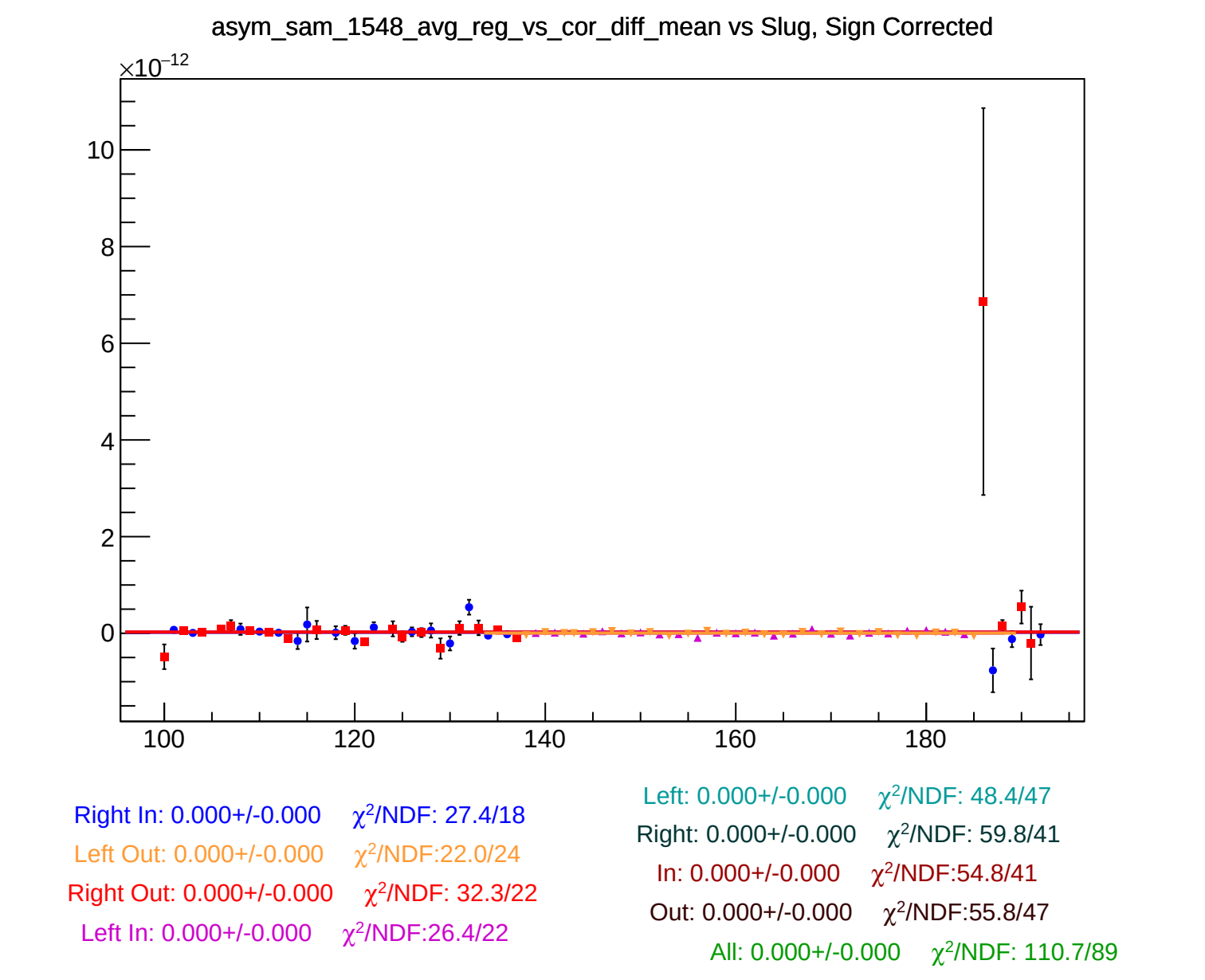
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

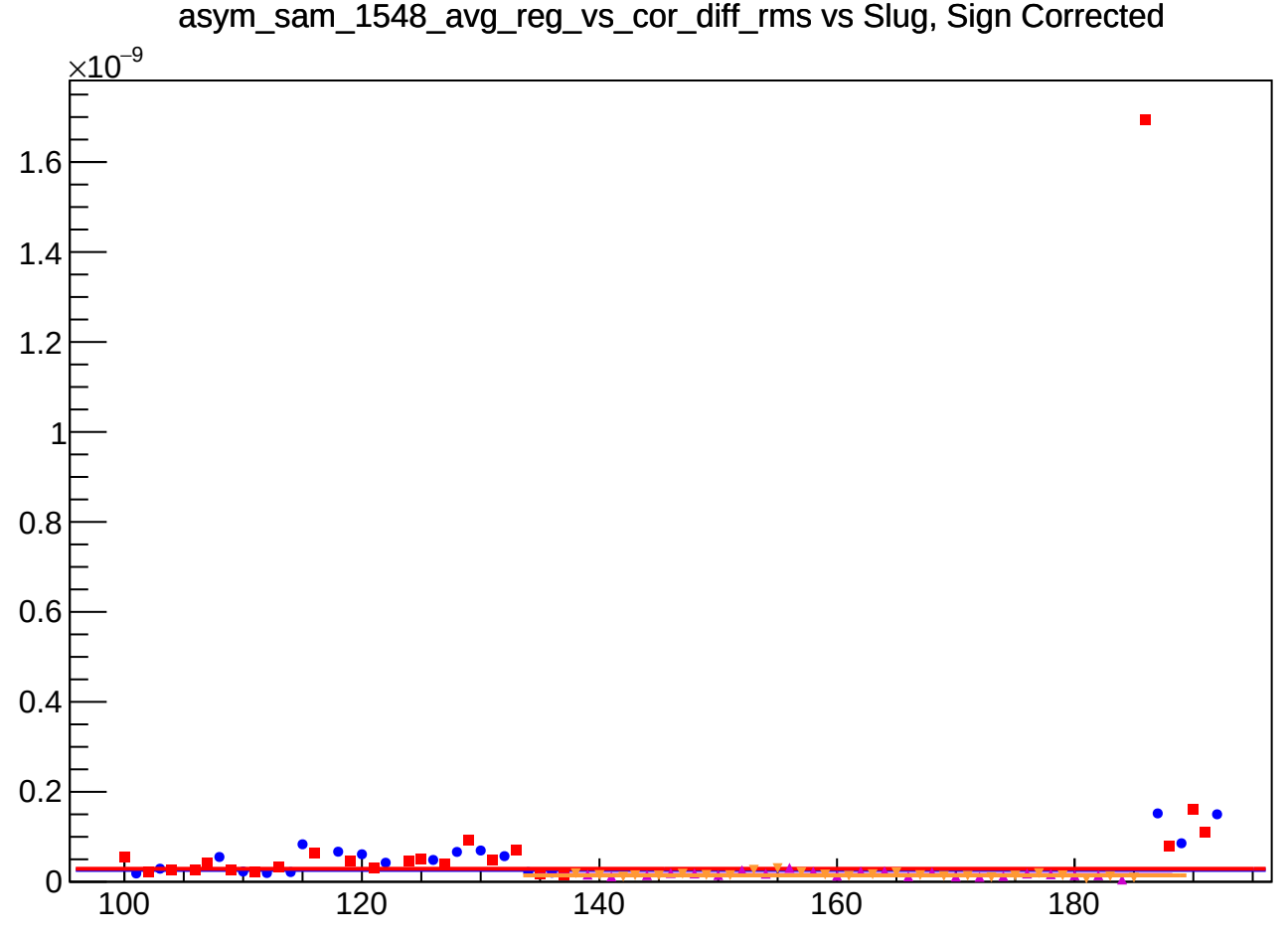
Right: 666.067+/-0.122 χ^2/NDF: 6679820.1/41

In: 689.779+/-0.097 χ^2/NDF:3428179.9/41

Out: 674.462+/-0.093 χ^2/NDF:4557689.0/47

All: 681.808+/-0.067 χ^2/NDF: 7998880.7/89


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: 32.3/22
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: 59.8/41
In: 0.000+/-0.000 χ²/NDF:54.8/41
Out: 0.000+/-0.000 χ²/NDF:55.8/47
All: 0.000+/-0.000 χ²/NDF: 110.7/89



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: 2048204.5/22

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

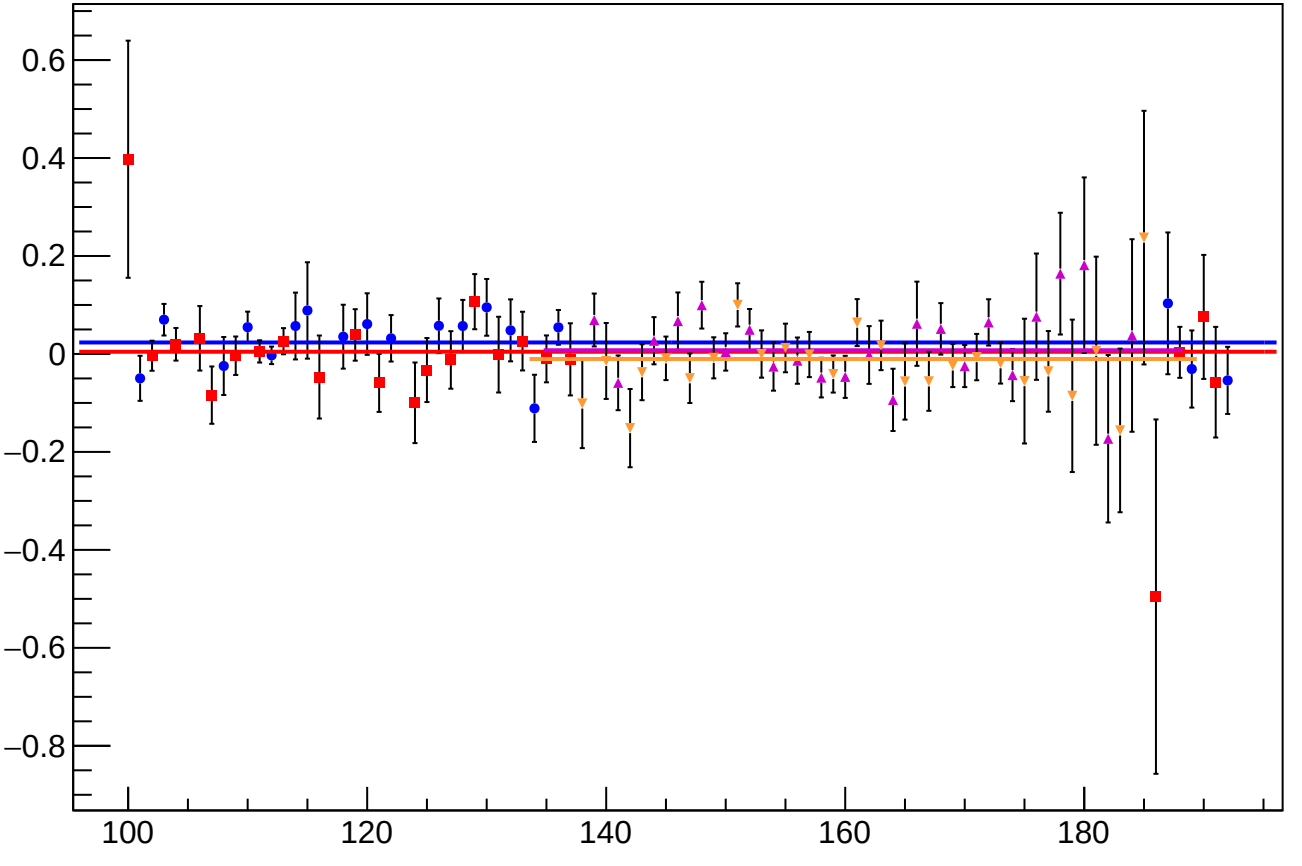
Right: 0.000+/-0.000 χ^2/NDF: 4459800.0/41

In: 0.000+/-0.000 χ^2/NDF:4453025.2/41

Out: 0.000+/-0.000 χ^2/NDF:4511601.7/47

All: 0.000+/-0.000 χ^2/NDF: 8990740.5/89

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 0.005+/-0.010 χ^2/NDF: 16.1/22

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

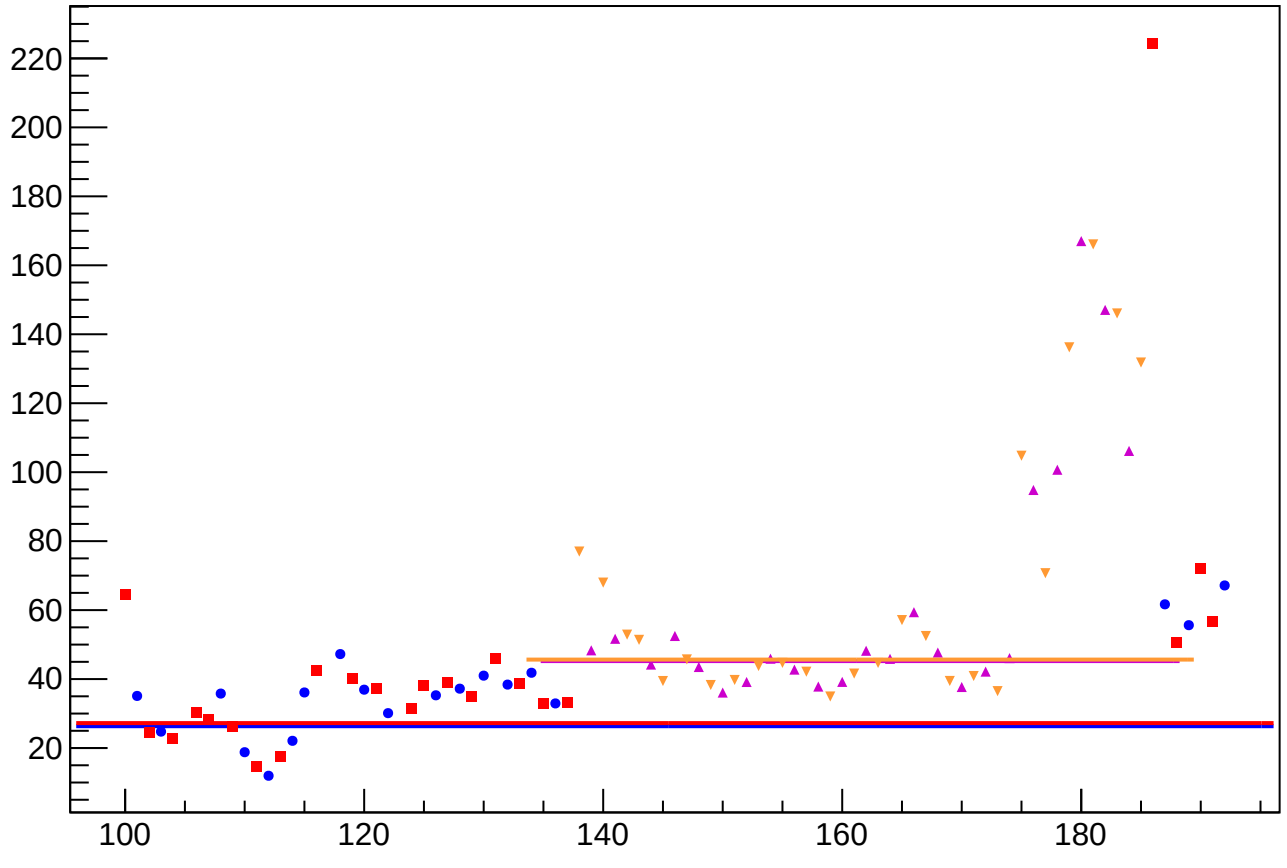
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.014+/-0.007 χ^2/NDF: 36.5/41

In: 0.016+/-0.008 χ^2/NDF:43.0/41

Out: -0.002+/-0.008 χ^2/NDF:35.2/47

All: 0.007+/-0.005 χ^2/NDF: 81.2/89



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: 27.234+/-0.007 χ^2/NDF: 3043990.5/22

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

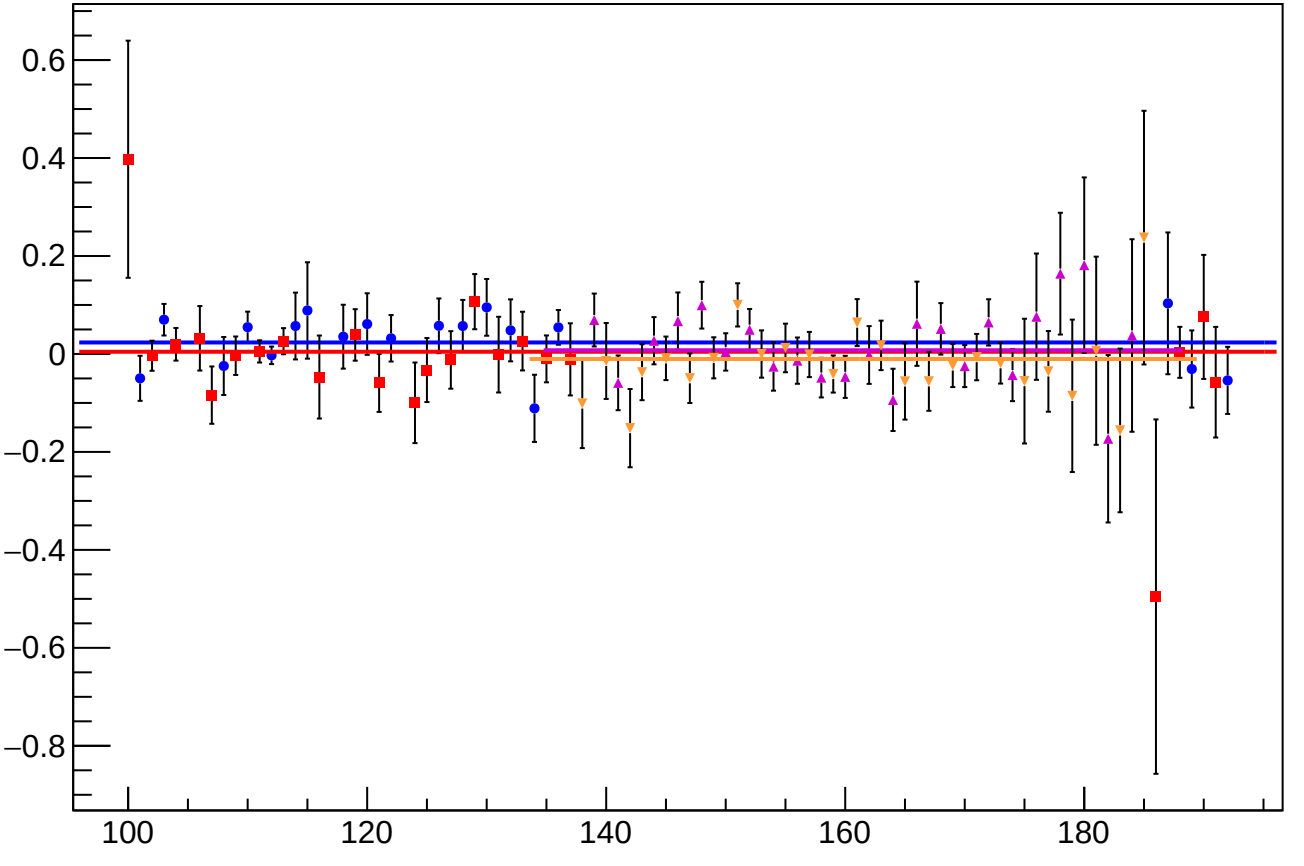
Right: 26.786+/-0.005 χ^2/NDF: 6502104.9/41

In: 34.652+/-0.005 χ^2/NDF:9504616.9/41

Out: 35.408+/-0.005 χ^2/NDF:10026681.1/47

All: 35.033+/-0.004 χ^2/NDF: 19541346.4/89

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.005+/-0.010 χ^2/NDF: 16.1/22

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

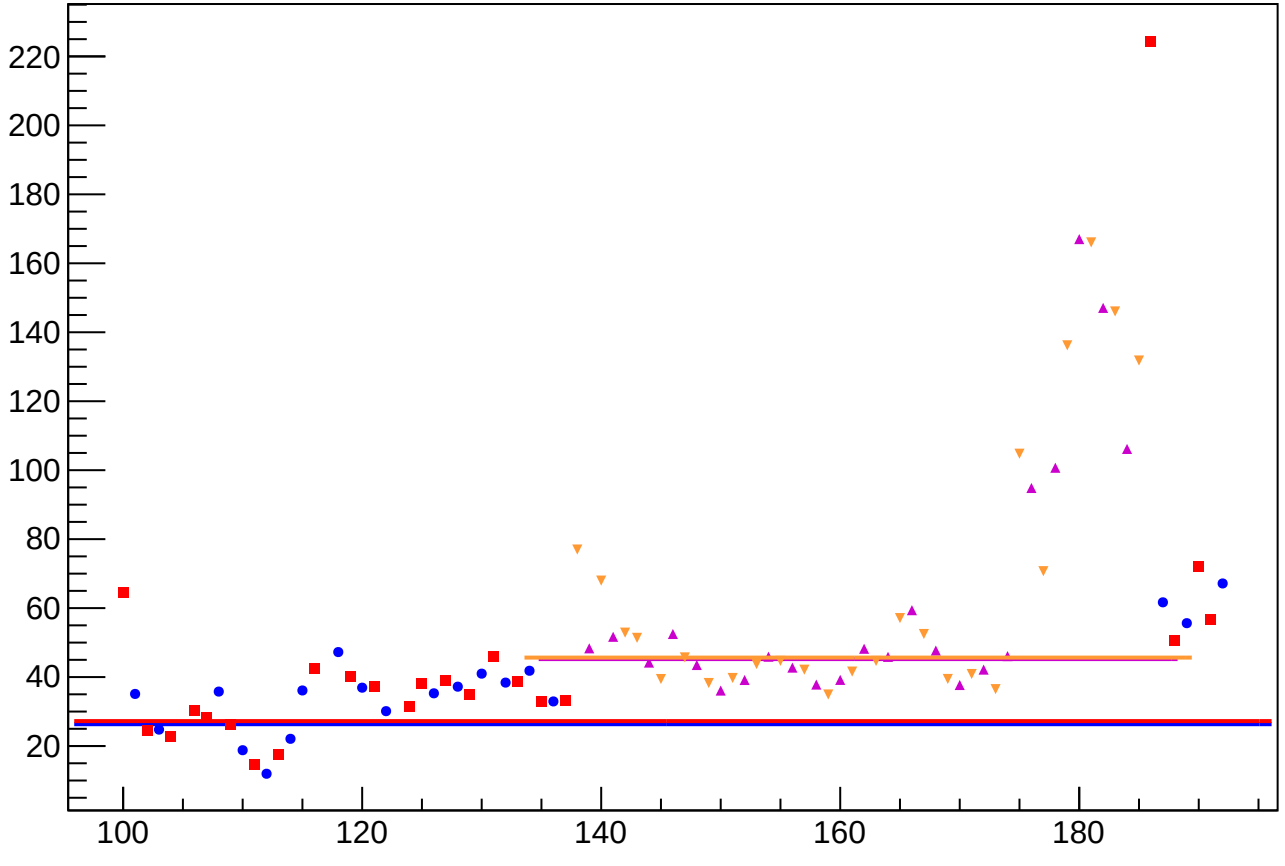
Right: 0.014+/-0.007 χ^2/NDF: 36.5/41

In: 0.016+/-0.008 χ^2/NDF:43.0/41

Out: -0.002+/-0.008 χ^2/NDF:35.2/47

All: 0.007+/-0.005 χ^2/NDF: 81.2/89

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: 27.234+/-0.007 χ^2/NDF: 3043990.5/22

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

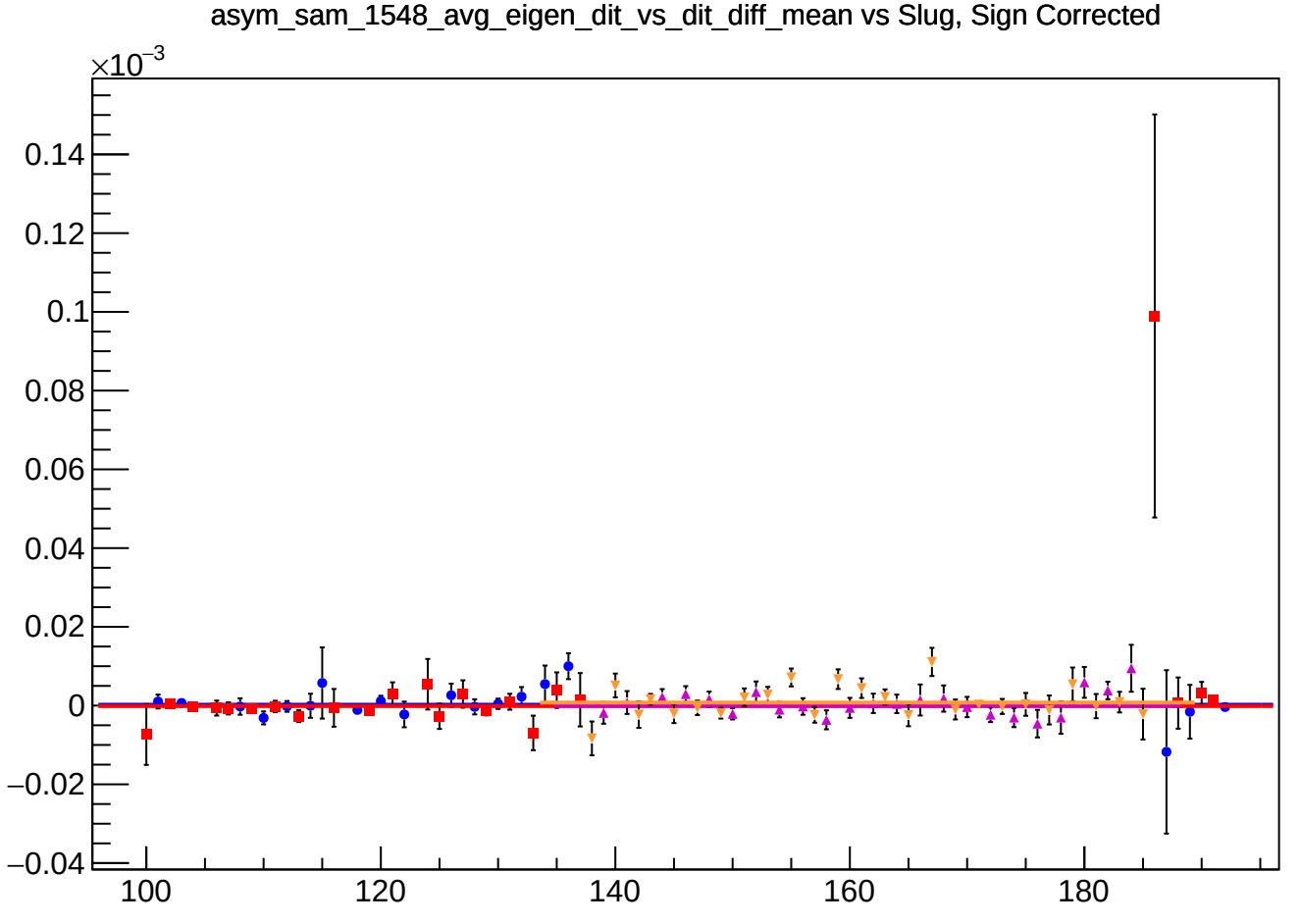
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 26.786+/-0.005 χ^2/NDF: 6502104.9/41

In: 34.652+/-0.005 χ^2/NDF:9504616.9/41

Out: 35.408+/-0.005 χ^2/NDF:10026681.1/47

All: 35.033+/-0.004 χ^2/NDF: 19541346.4/89



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: 22.0/22

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

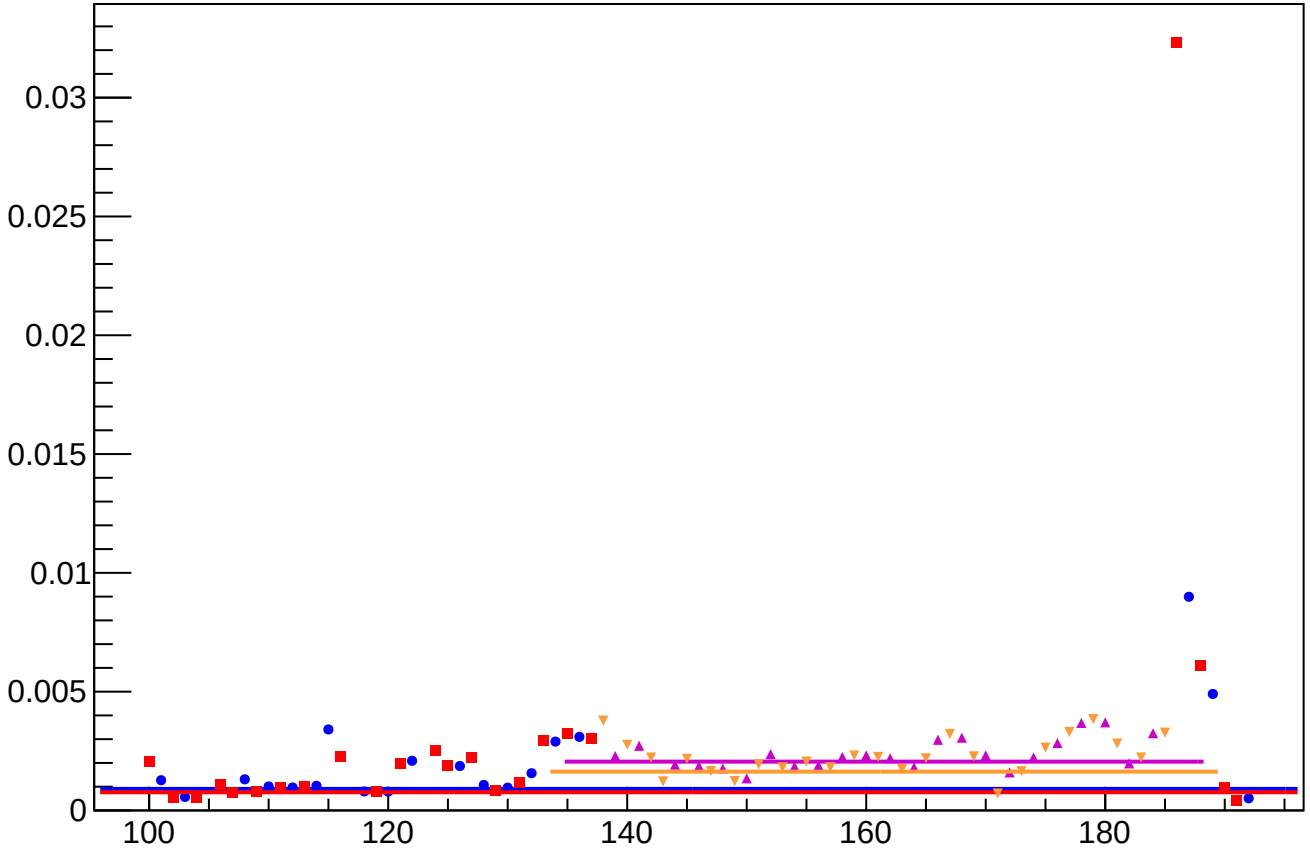
Right: 0.000+/-0.000 χ^2/NDF: 42.4/41

In: 0.000+/-0.000 χ^2/NDF:44.6/41

Out: 0.000+/-0.000 χ^2/NDF:71.0/47

All: 0.000+/-0.000 χ^2/NDF: 115.7/89

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: 5808638.9/22

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

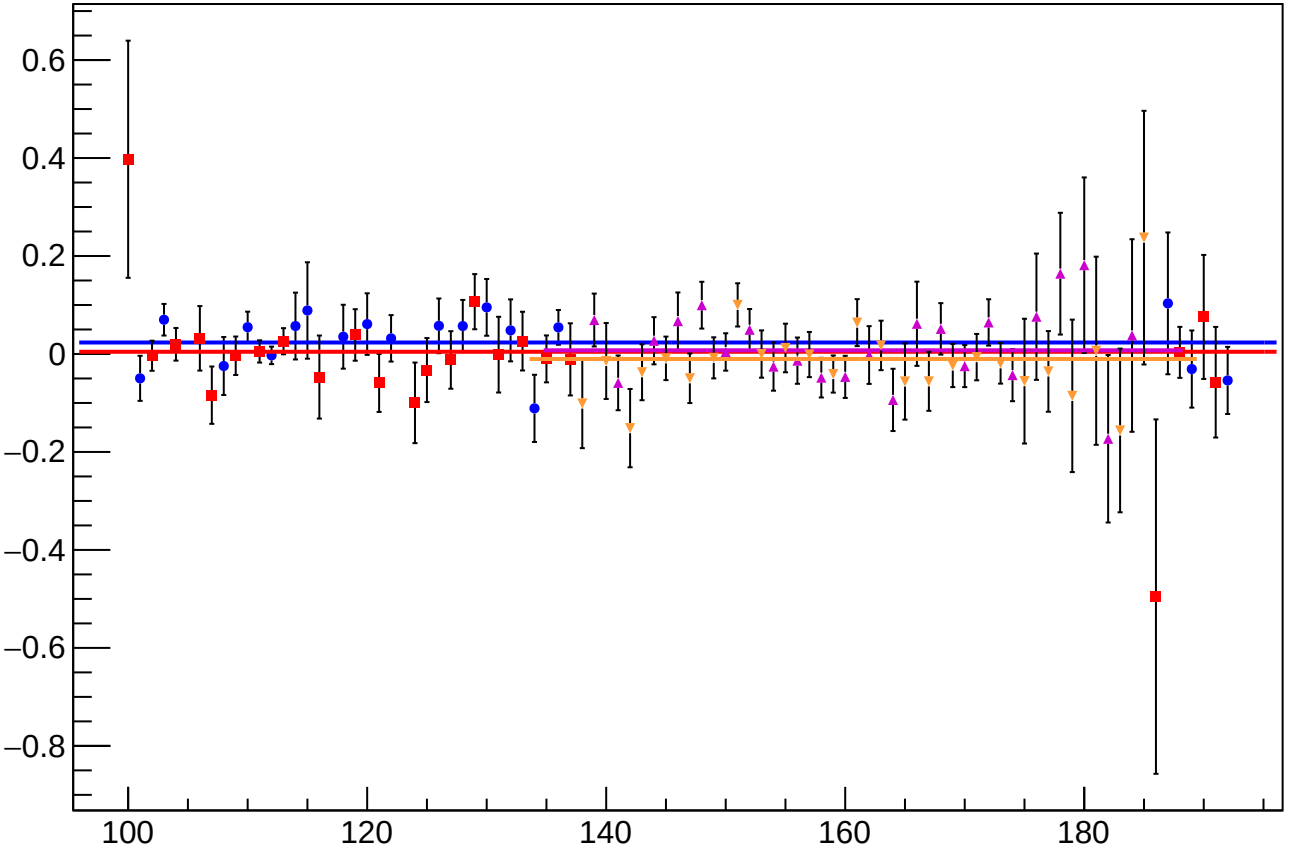
Right: 0.001+/-0.000 χ^2/NDF: 9915921.5/41

In: 0.001+/-0.000 χ^2/NDF:12742074.7/41

Out: 0.001+/-0.000 χ^2/NDF:17973686.5/47

All: 0.001+/-0.000 χ^2/NDF: 31467055.5/89

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 0.005+/-0.010 χ^2/NDF: 16.1/22

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

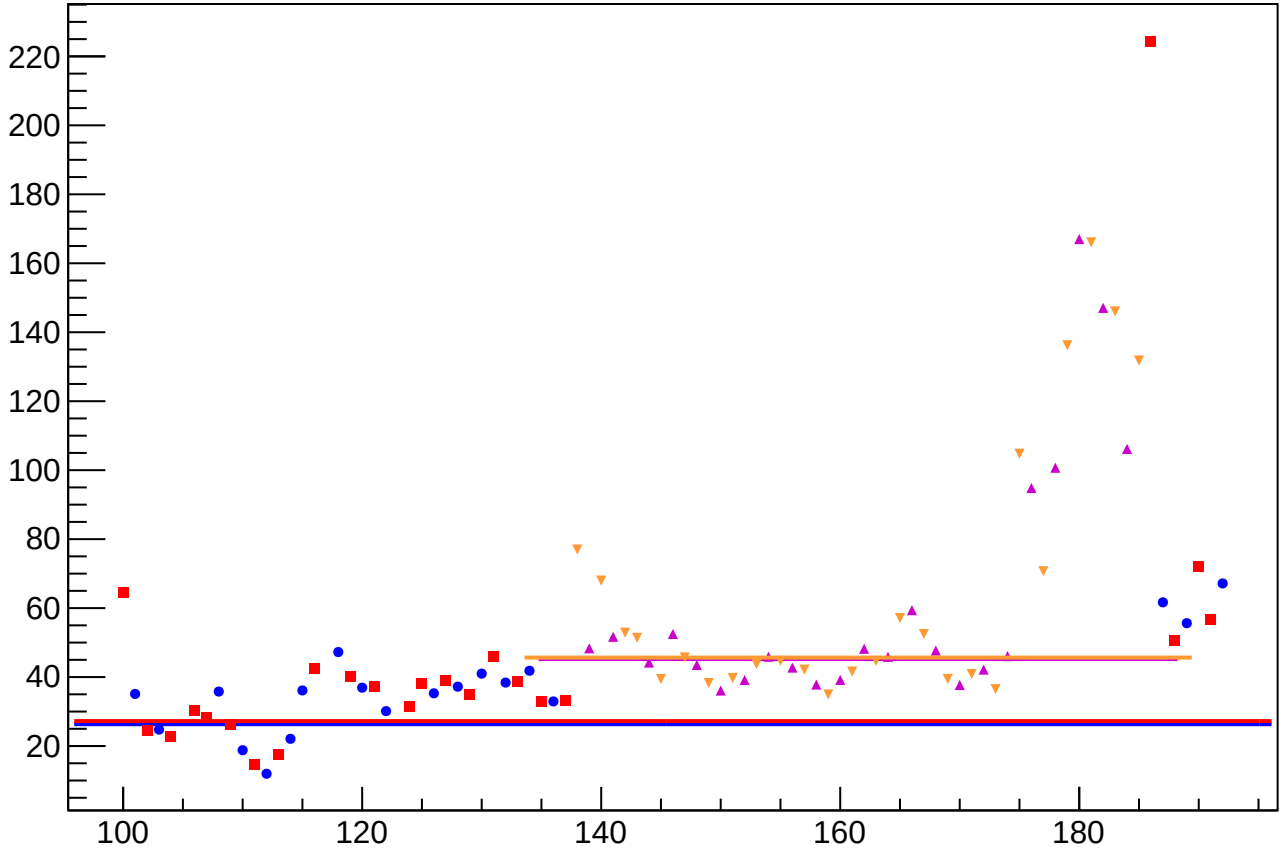
Right: 0.014+/-0.007 χ^2/NDF: 36.5/41

In: 0.016+/-0.008 χ^2/NDF:43.0/41

Out: -0.002+/-0.008 χ^2/NDF:35.2/47

All: 0.007+/-0.005 χ^2/NDF: 81.2/89

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: 27.233+/-0.007 χ^2/NDF: 3044156.7/22

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

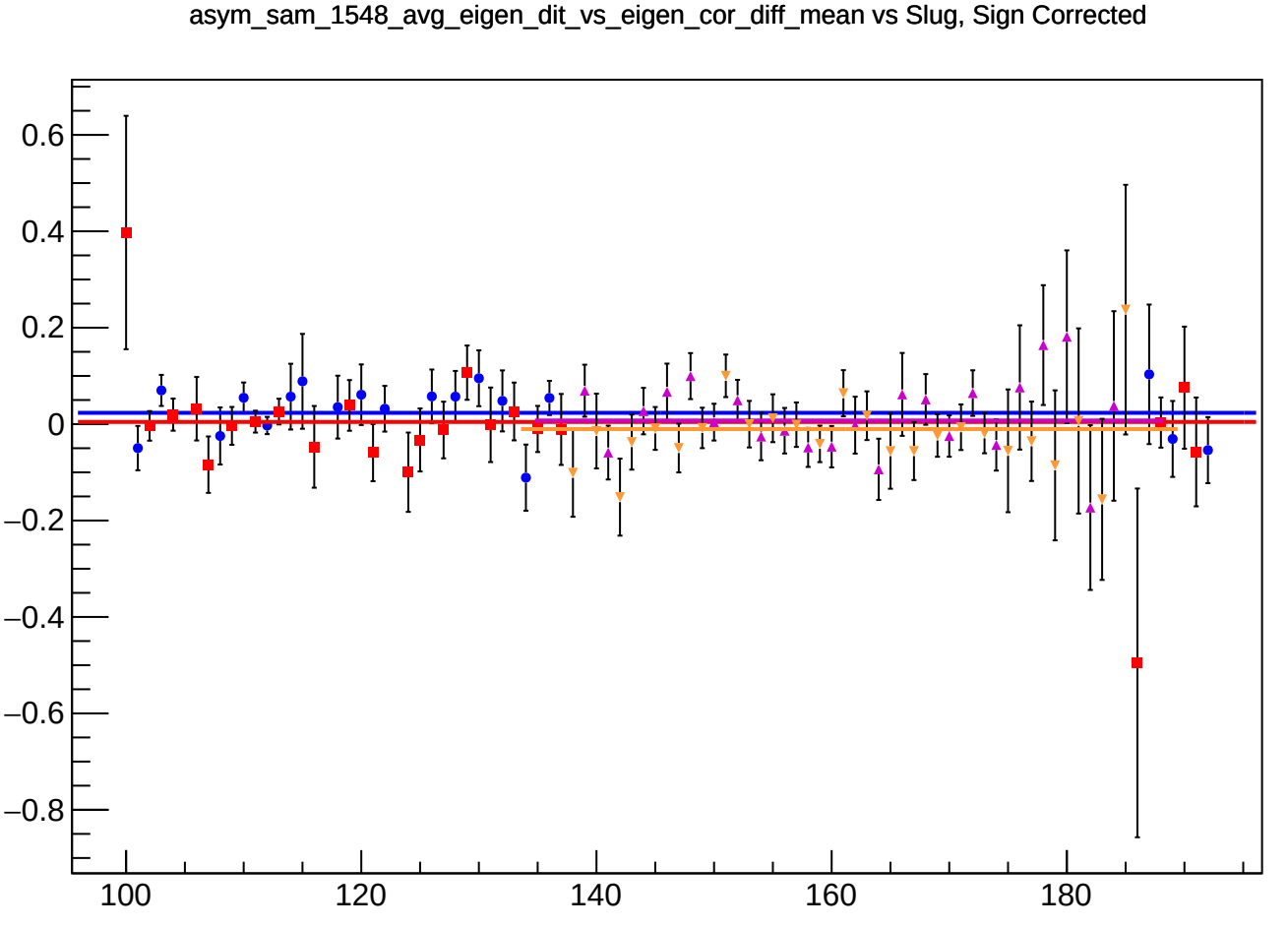
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 26.785+/-0.005 χ^2/NDF: 6502469.0/41

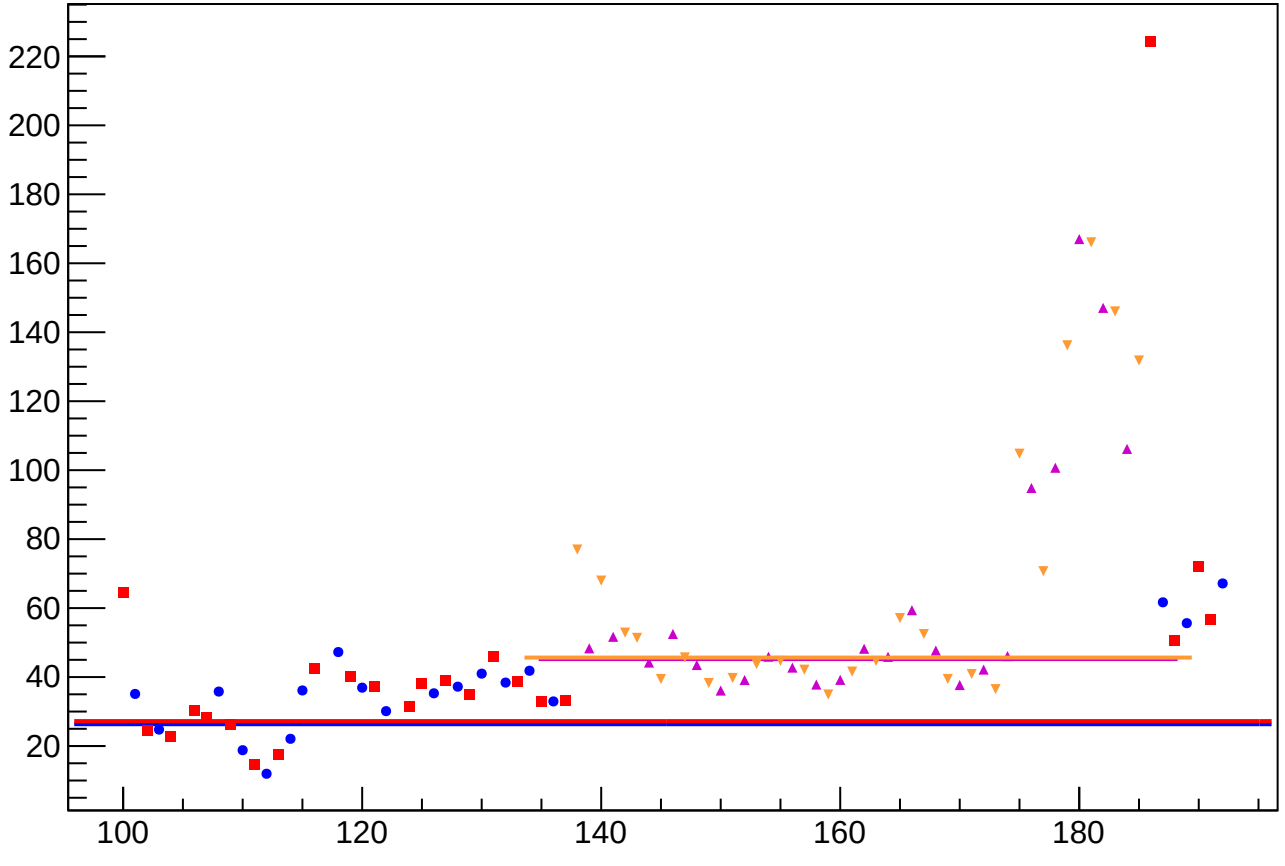
In: 34.652+/-0.005 χ^2/NDF:9505065.9/41

Out: 35.408+/-0.005 χ^2/NDF:10027032.8/47

All: 35.033+/-0.004 χ^2/NDF: 19542150.7/89


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
Right In: 0.023+/-0.010 χ²/NDF: 18.6/18
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: 0.005+/-0.010 χ²/NDF: 16.1/22
Left In: 0.008+/-0.011 χ²/NDF:23.3/22
Left: -0.001+/-0.008 χ²/NDF: 42.6/47
Right: 0.014+/-0.007 χ²/NDF: 36.5/41
In: 0.016+/-0.008 χ²/NDF:43.0/41
Out: -0.002+/-0.008 χ²/NDF:35.2/47
All: 0.007+/-0.005 χ²/NDF: 81.2/89

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: 27.233+/-0.007 χ^2/NDF: 3044156.7/22

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

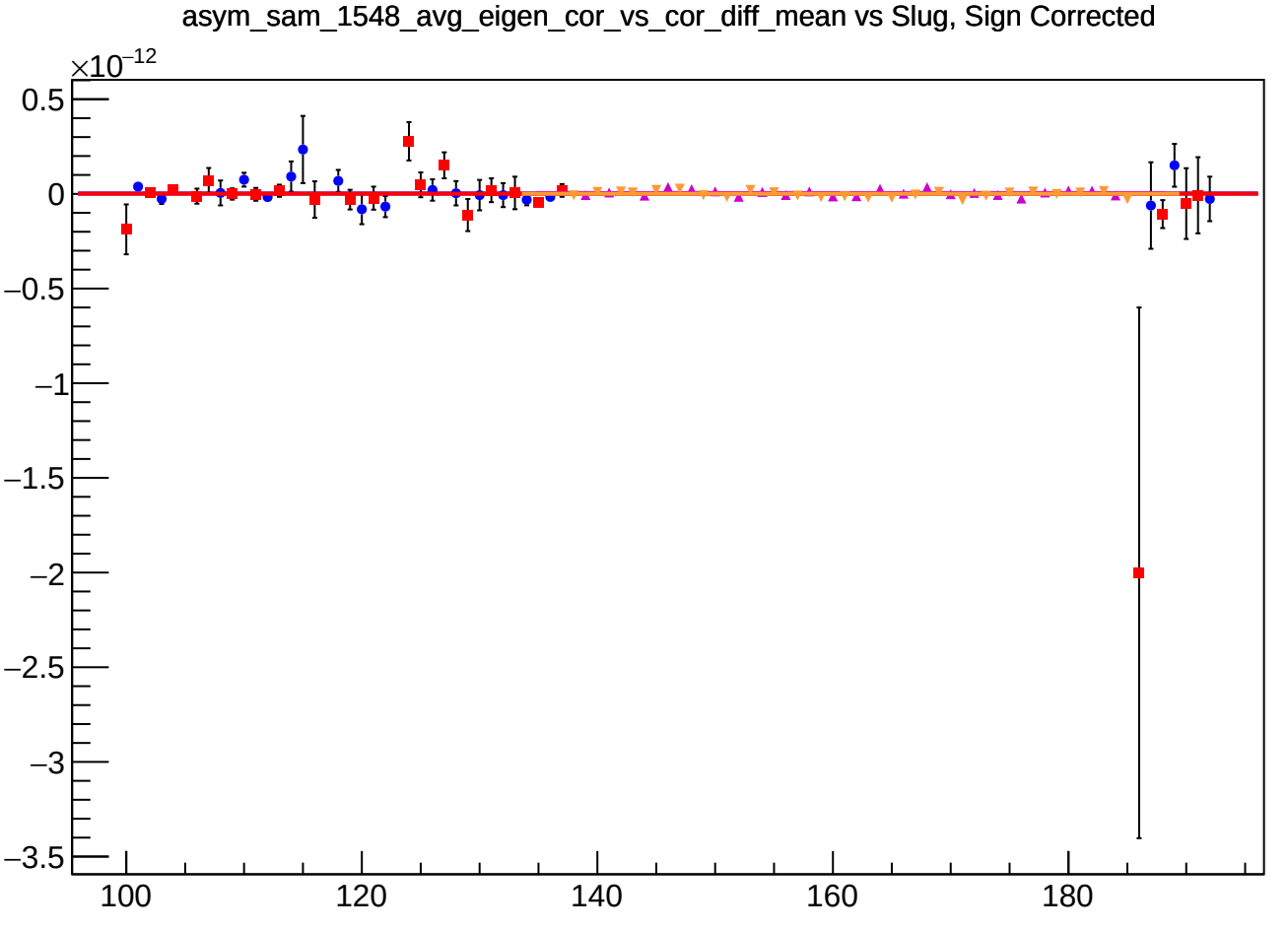
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 26.785+/-0.005 χ^2/NDF: 6502469.0/41

In: 34.652+/-0.005 χ^2/NDF:9505065.9/41

Out: 35.408+/-0.005 χ^2/NDF:10027032.8/47

All: 35.033+/-0.004 χ^2/NDF: 19542150.7/89



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: 27.8/22

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

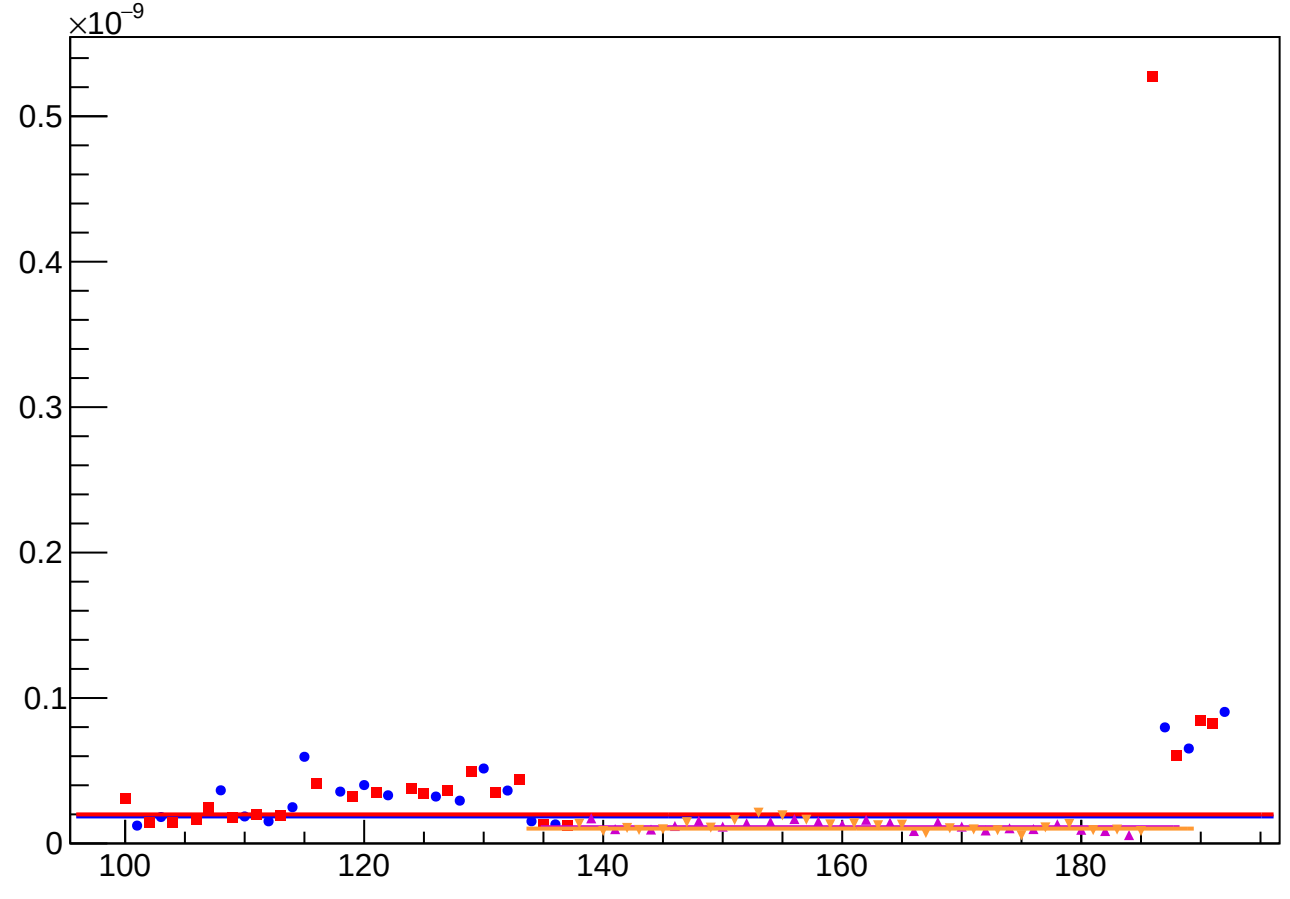
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 48.4/41

In: 0.000+/-0.000 χ^2/NDF:44.4/41

Out: 0.000+/-0.000 χ^2/NDF:53.2/47

All: 0.000+/-0.000 χ^2/NDF: 98.3/89



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: 2941124.3/22

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

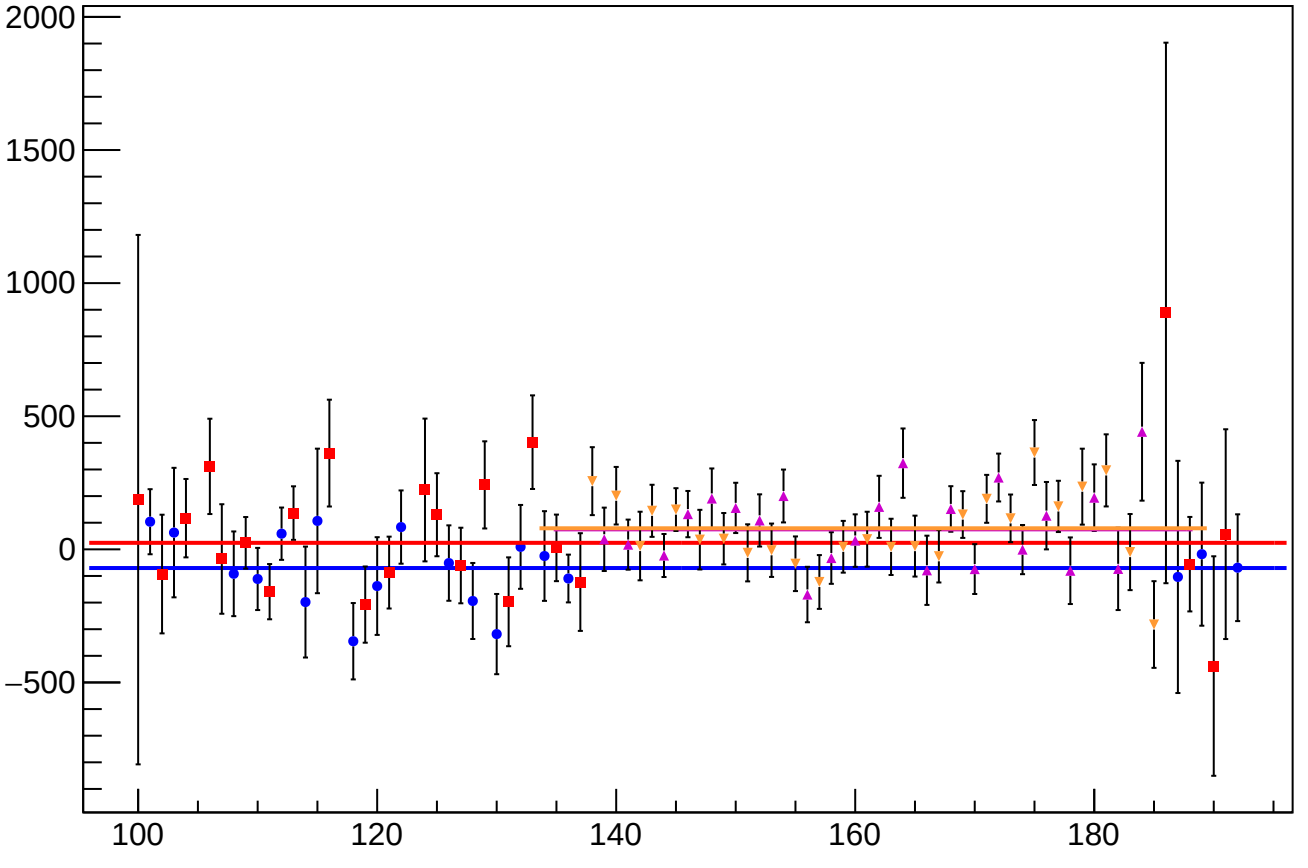
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6083265.4/41

In: 0.000+/-0.000 χ^2/NDF:5953860.2/41

Out: 0.000+/-0.000 χ^2/NDF:7308651.3/47

All: 0.000+/-0.000 χ^2/NDF: 13366940.9/89



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: 24.461+/-33.373 χ^2/NDF: 26.2/22

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

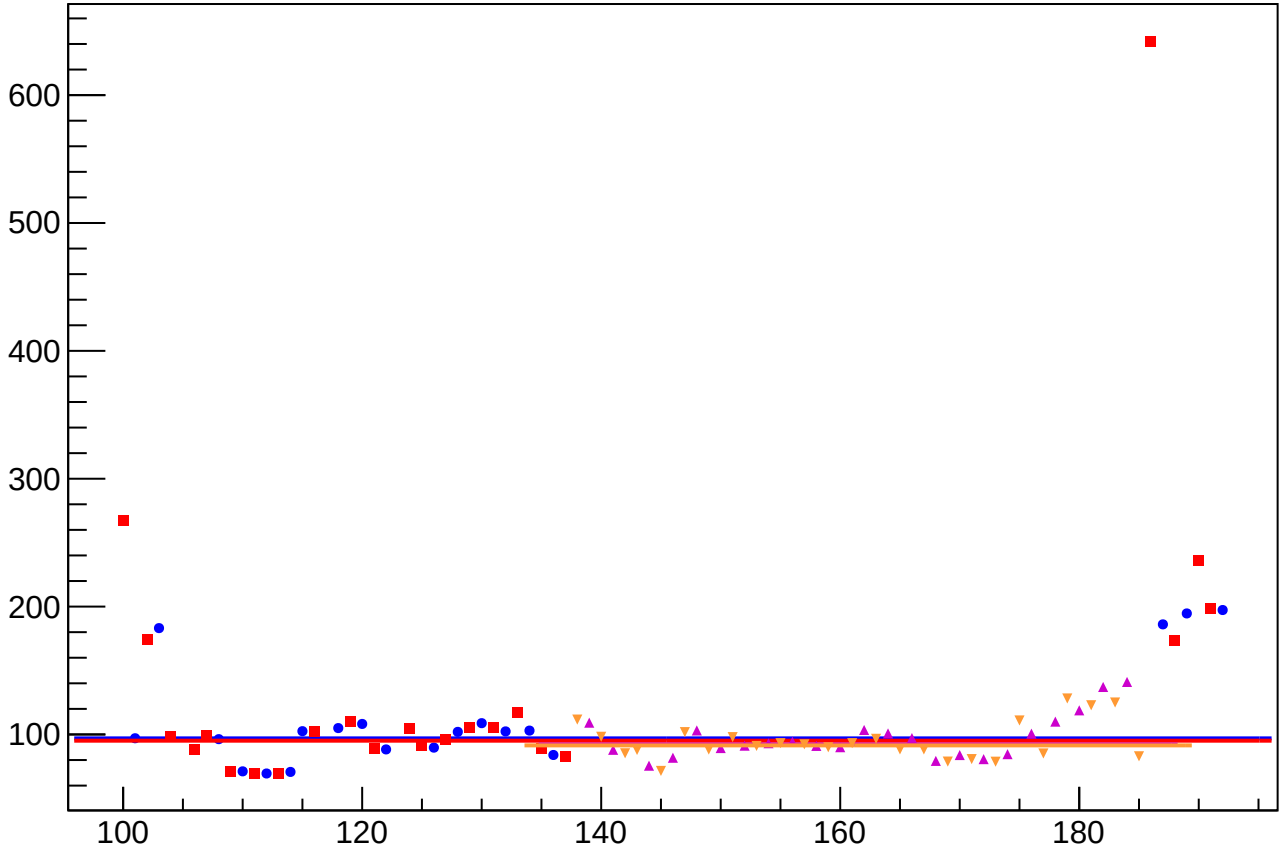
Right: -21.693+/-23.888 χ^2/NDF: 44.3/41

In: 32.999+/-18.406 χ^2/NDF:59.5/41

Out: 63.492+/-17.836 χ^2/NDF:60.1/47

All: 48.725+/-12.809 χ^2/NDF: 121.1/89

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: 95.137+/-0.024 χ^2/NDF: 2132705.0/22

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

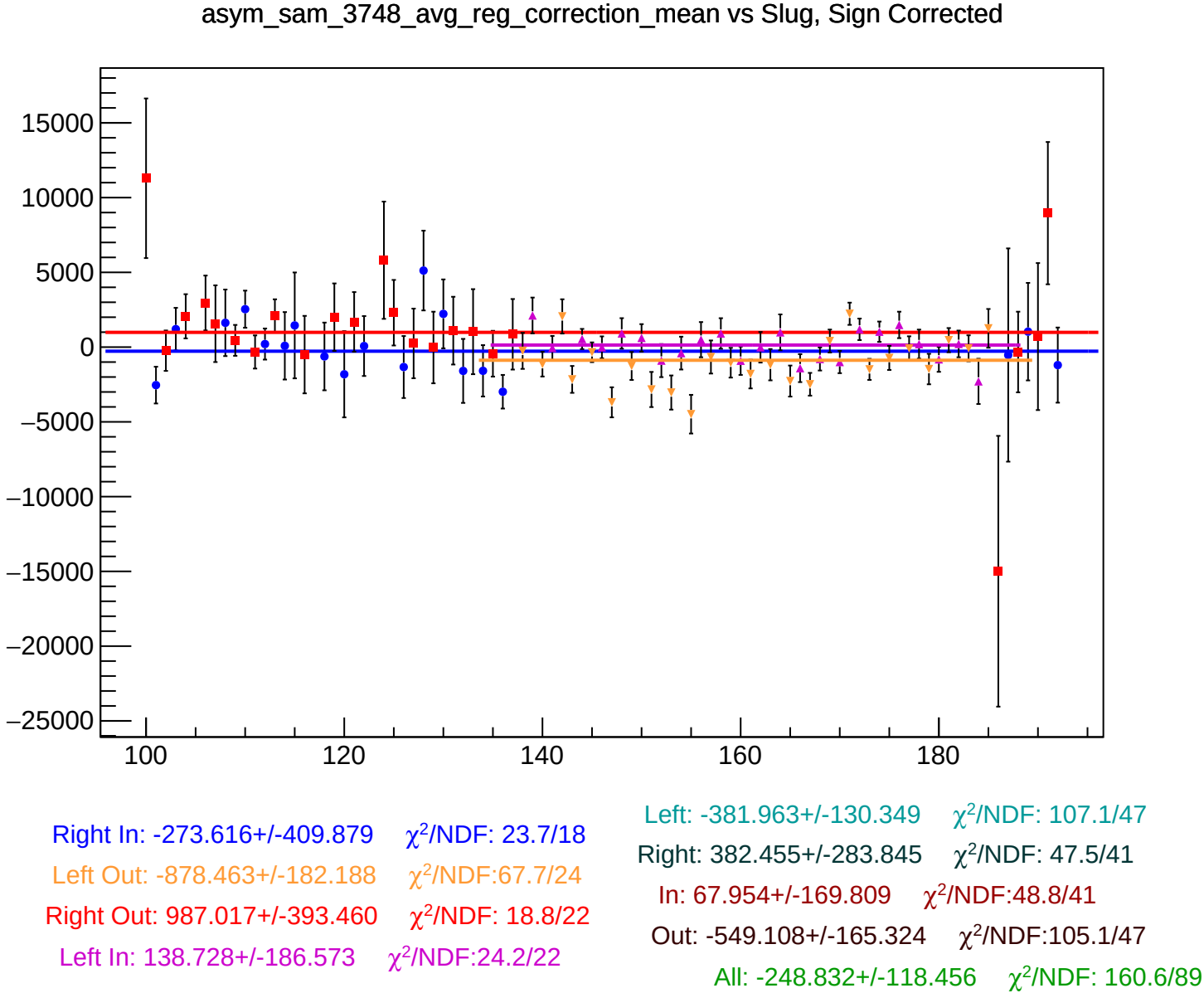
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 96.013+/-0.017 χ^2/NDF: 3611273.5/41

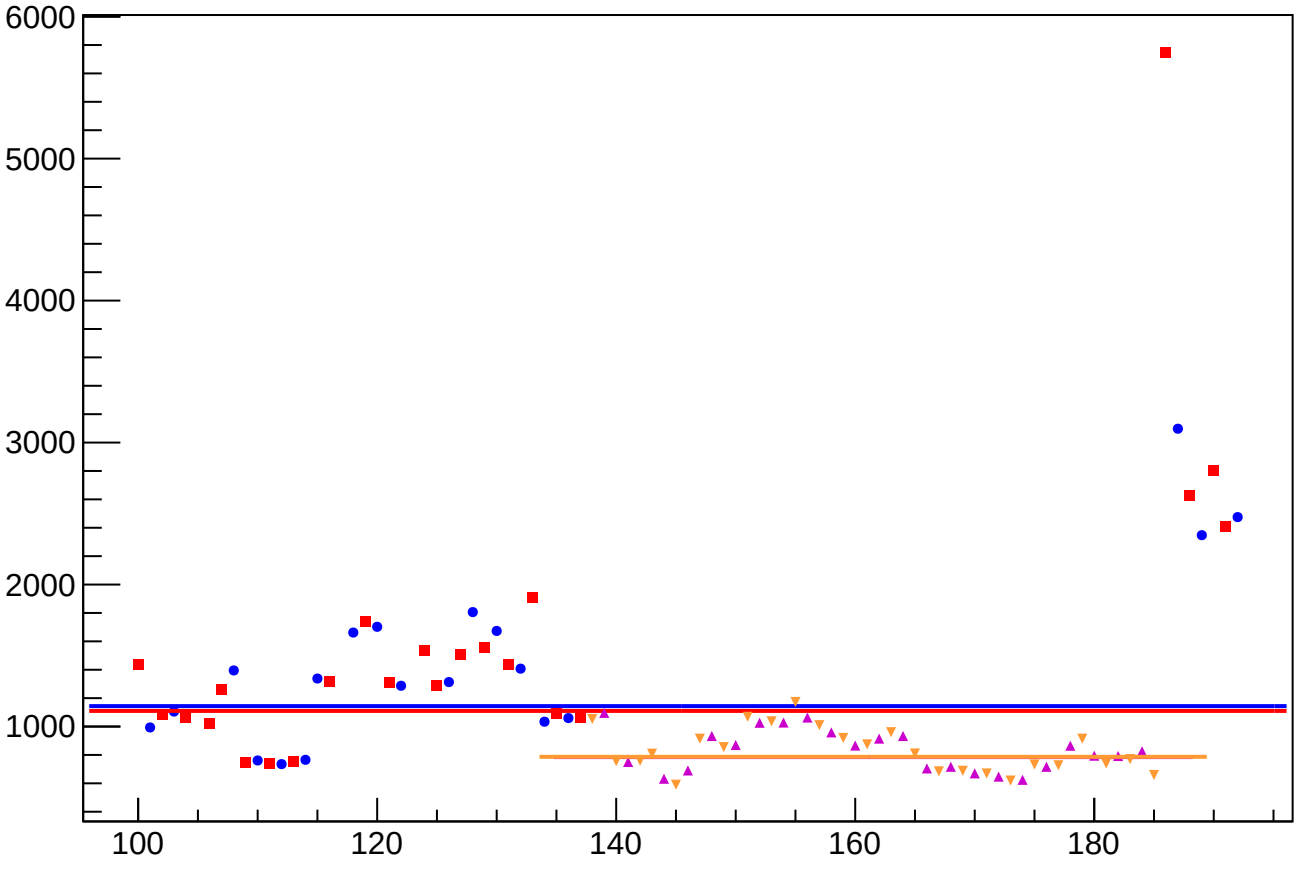
In: 93.500+/-0.013 χ^2/NDF:2203702.5/41

Out: 92.511+/-0.013 χ^2/NDF:2901247.6/47

All: 92.990+/-0.009 χ^2/NDF: 5107925.0/89


asym_sam_3748_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
Right In: -273.616+/-409.879 χ²/NDF: 23.7/18
Left Out: -878.463+/-182.188 χ²/NDF:67.7/24
Right Out: 987.017+/-393.460 χ²/NDF: 18.8/22
Left In: 138.728+/-186.573 χ²/NDF:24.2/22
Left: -381.963+/-130.349 χ²/NDF: 107.1/47
Right: 382.455+/-283.845 χ²/NDF: 47.5/41
In: 67.954+/-169.809 χ²/NDF:48.8/41
Out: -549.108+/-165.324 χ²/NDF:105.1/47
All: -248.832+/-118.456 χ²/NDF: 160.6/89

asym_sam_3748_avg_reg_correction_rms vs Slug, Sign Corrected



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: 1110.069+/-0.278 χ^2/NDF: 2789311.0/22

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

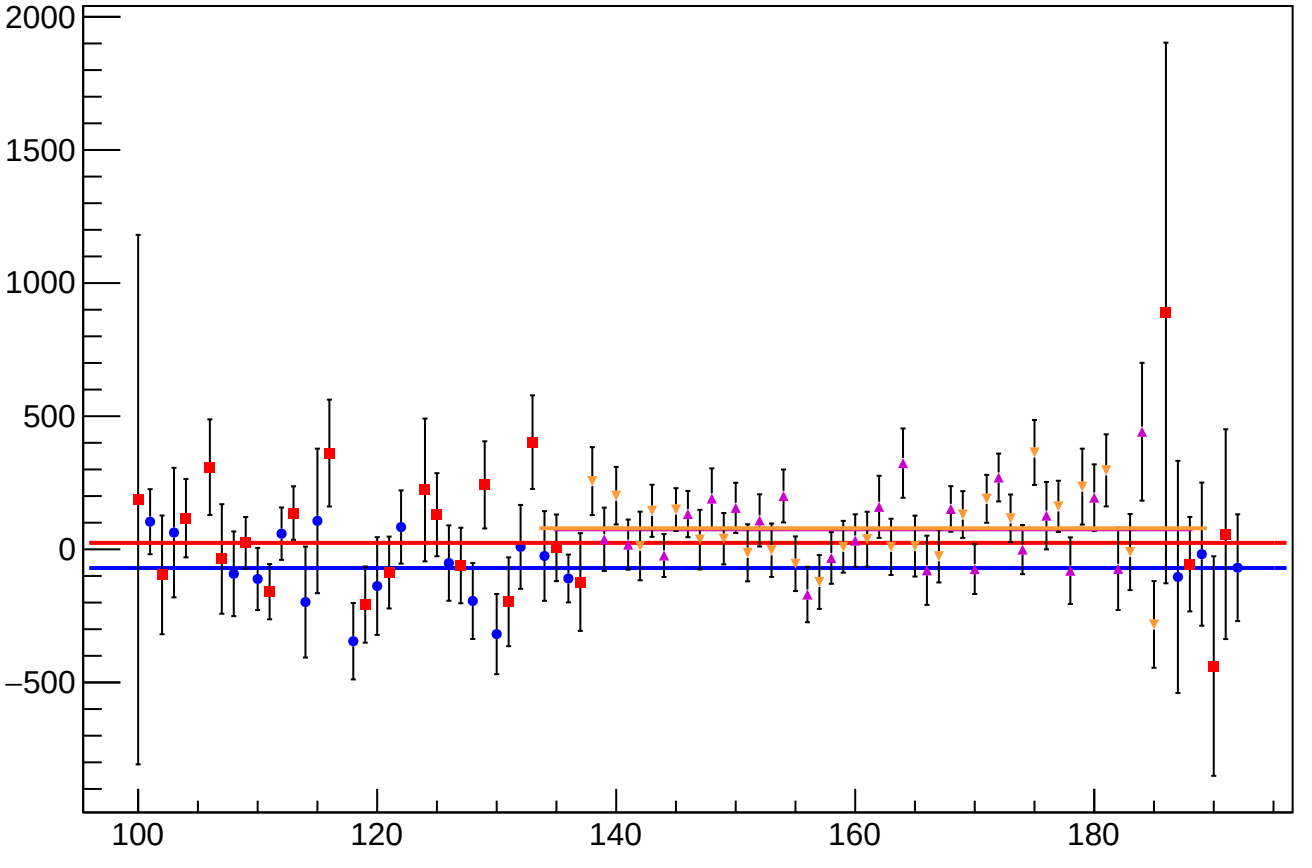
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1126.265+/-0.201 χ^2/NDF: 4879961.2/41

In: 846.452+/-0.120 χ^2/NDF:4418337.8/41

Out: 843.840+/-0.117 χ^2/NDF:5112205.4/47

All: 845.111+/-0.084 χ^2/NDF: 9530786.2/89



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: 24.220+/-33.377 χ^2/NDF: 26.2/22

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

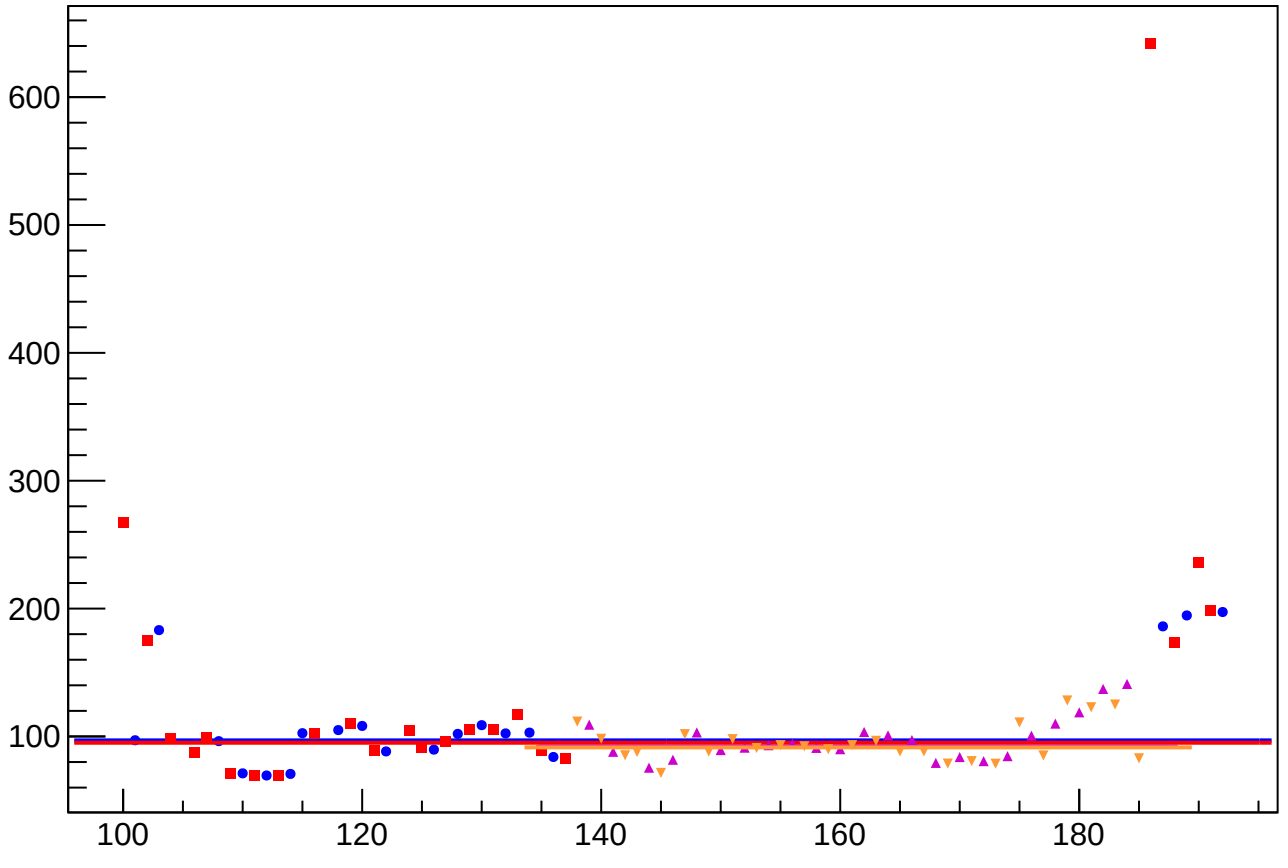
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -21.828+/-23.889 χ^2/NDF: 44.2/41

In: 32.996+/-18.406 χ^2/NDF:59.5/41

Out: 63.432+/-17.836 χ^2/NDF:60.1/47

All: 48.693+/-12.809 χ^2/NDF: 121.0/89



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: 95.093+/-0.024 χ^2/NDF: 2134093.1/22

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

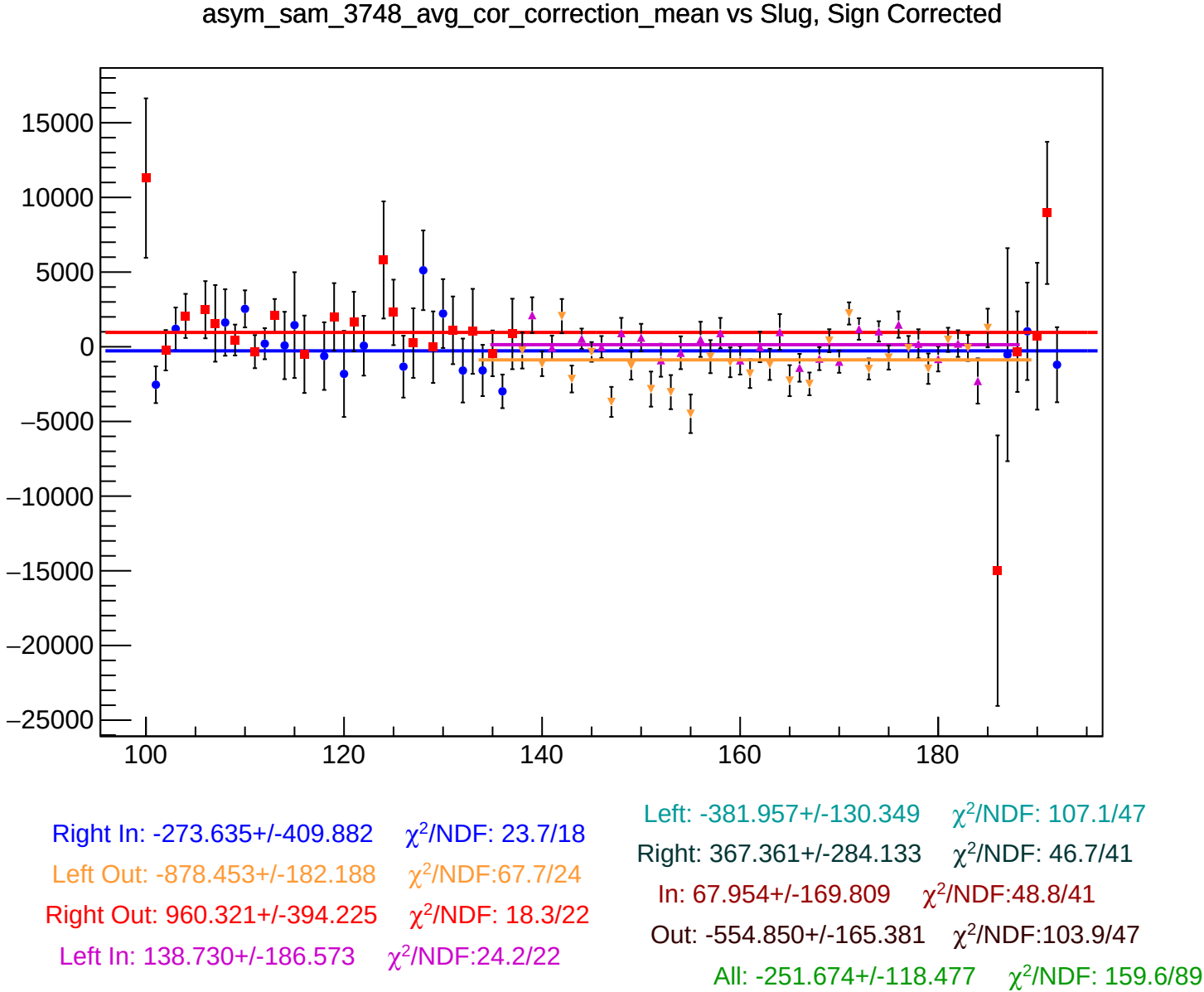
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

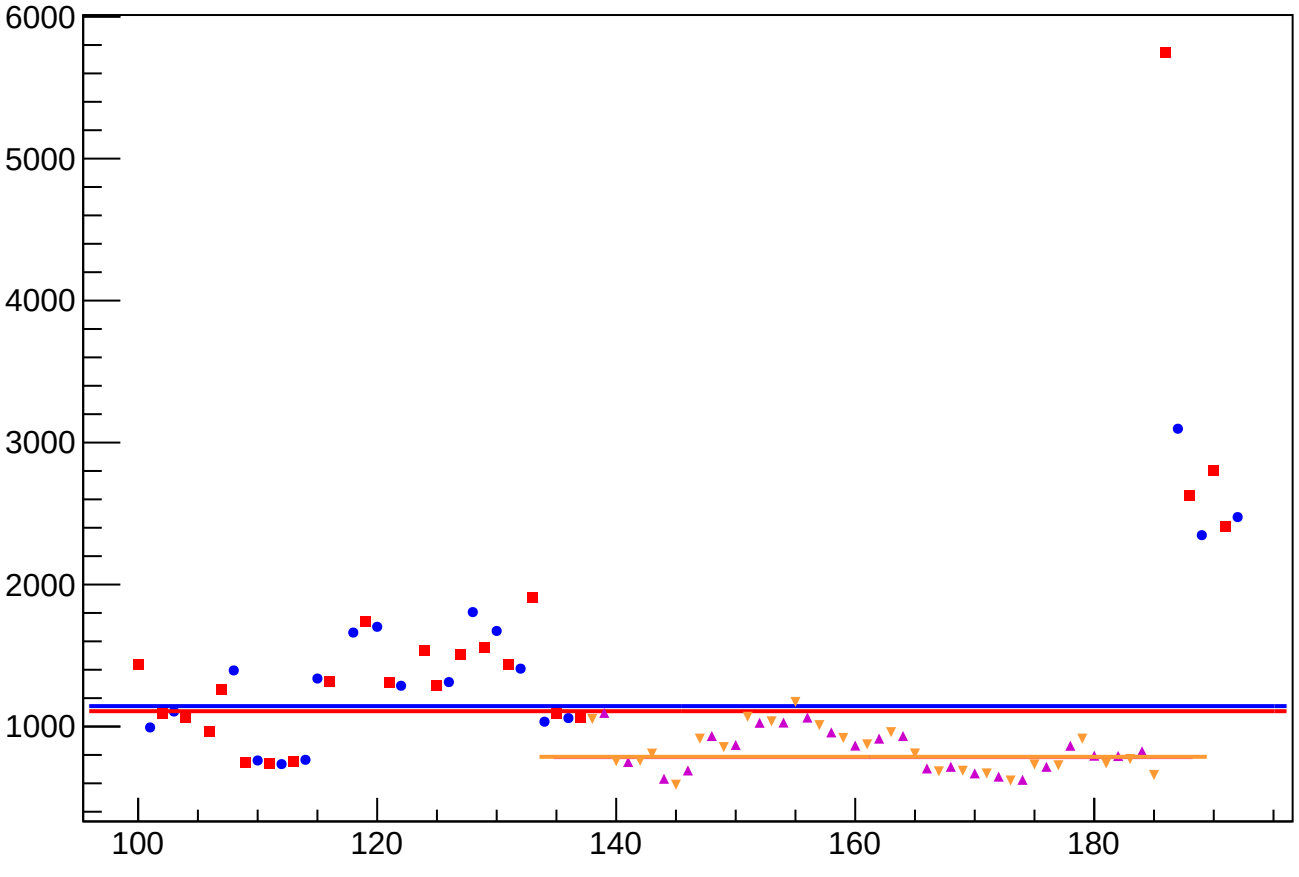
Right: 95.991+/-0.017 χ^2/NDF: 3612804.2/41

In: 93.500+/-0.013 χ^2/NDF:2203705.7/41

Out: 92.499+/-0.013 χ^2/NDF:2902221.9/47

All: 92.984+/-0.009 χ^2/NDF: 5108979.3/89


asym_sam_3748_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
Right In: -273.635+/-409.882 χ²/NDF: 23.7/18
Left Out: -878.453+/-182.188 χ²/NDF:67.7/24
Right Out: 960.321+/-394.225 χ²/NDF: 18.3/22
Left In: 138.730+/-186.573 χ²/NDF:24.2/22
Left: -381.957+/-130.349 χ²/NDF: 107.1/47
Right: 367.361+/-284.133 χ²/NDF: 46.7/41
In: 67.954+/-169.809 χ²/NDF:48.8/41
Out: -554.850+/-165.381 χ²/NDF:103.9/47
All: -251.674+/-118.477 χ²/NDF: 159.6/89



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: 1108.049+/-0.279 χ^2/NDF: 2795981.0/22

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

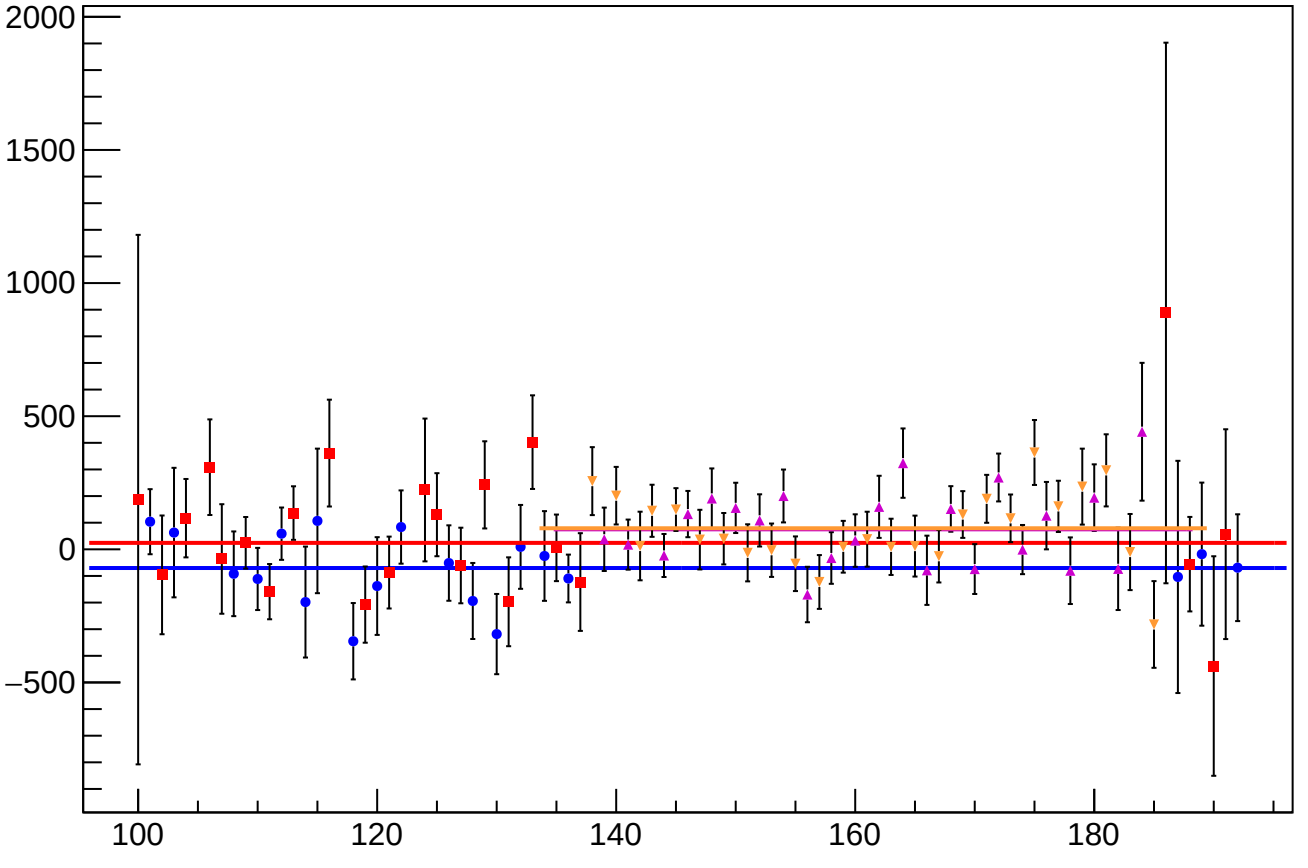
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1125.253+/-0.201 χ^2/NDF: 4887484.9/41

In: 846.453+/-0.120 χ^2/NDF:4418378.9/41

Out: 843.302+/-0.117 χ^2/NDF:5101517.4/47

All: 844.836+/-0.084 χ^2/NDF: 9520249.8/89



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: 24.220+/-33.377 χ^2/NDF: 26.2/22

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

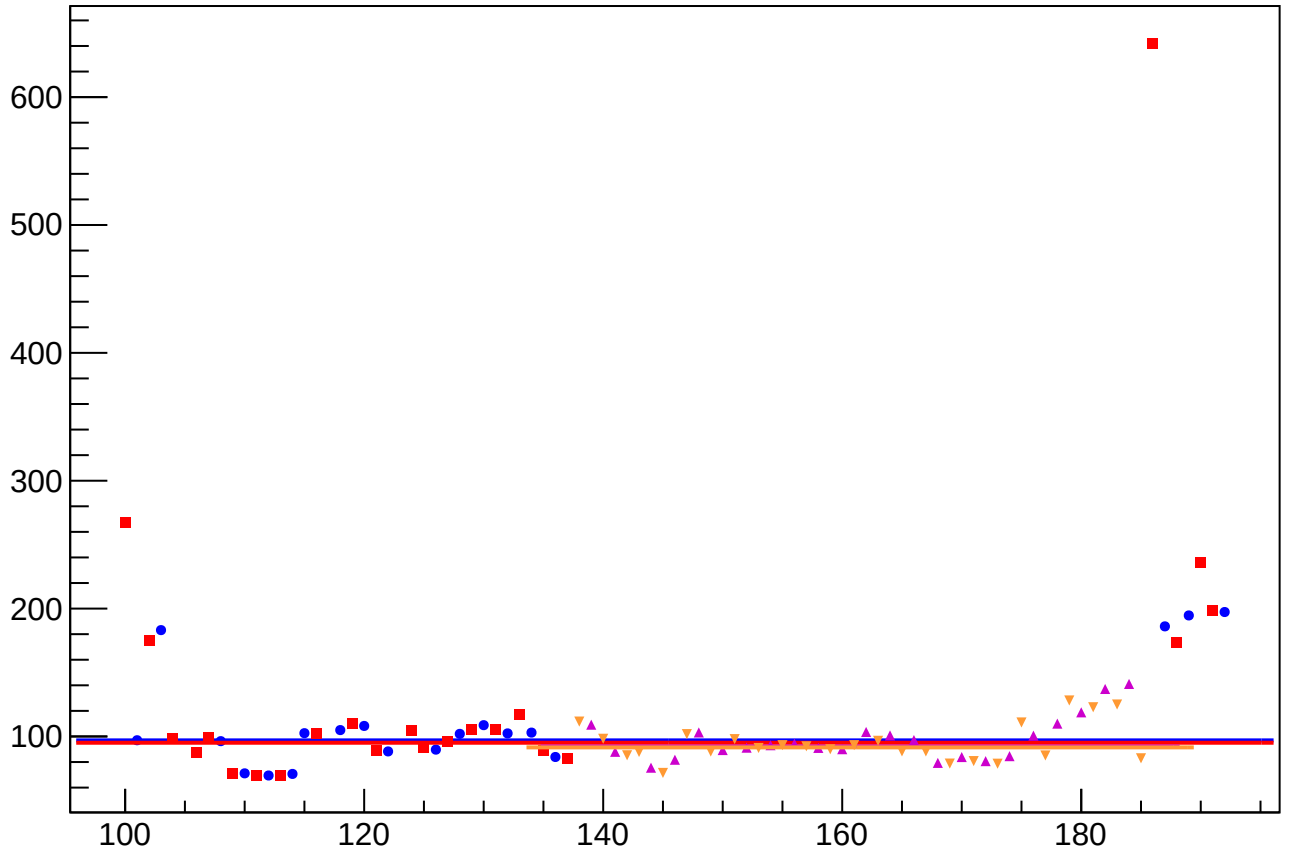
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -21.828+/-23.889 χ^2/NDF: 44.2/41

In: 32.996+/-18.406 χ^2/NDF:59.5/41

Out: 63.432+/-17.836 χ^2/NDF:60.1/47

All: 48.693+/-12.809 χ^2/NDF: 121.0/89



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: 95.093+/-0.024 χ^2/NDF: 2134093.1/22

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

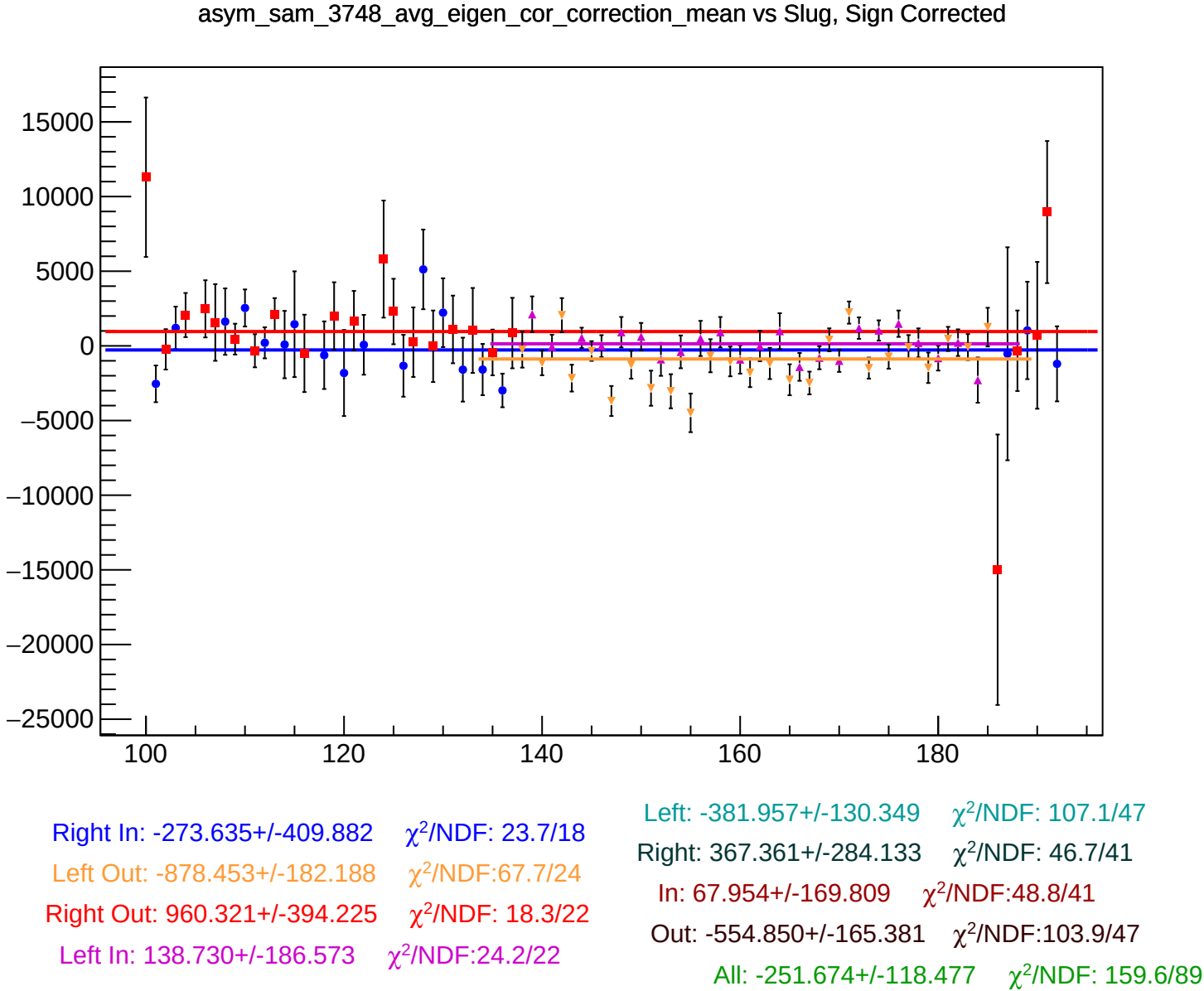
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

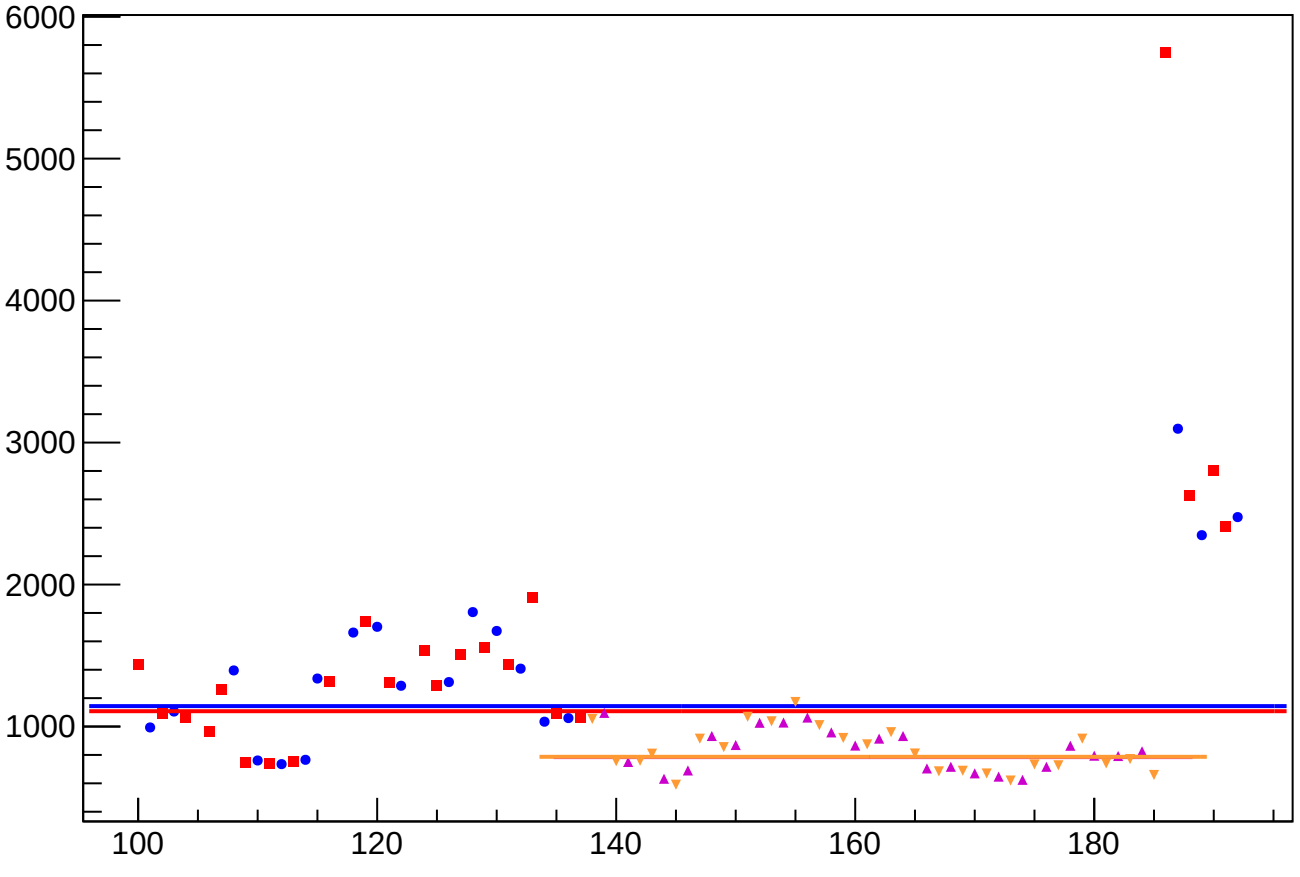
Right: 95.991+/-0.017 χ^2/NDF: 3612804.2/41

In: 93.500+/-0.013 χ^2/NDF:2203705.7/41

Out: 92.499+/-0.013 χ^2/NDF:2902221.9/47

All: 92.984+/-0.009 χ^2/NDF: 5108979.3/89


asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
Right In: -273.635+/-409.882 χ²/NDF: 23.7/18
Left Out: -878.453+/-182.188 χ²/NDF:67.7/24
Right Out: 960.321+/-394.225 χ²/NDF: 18.3/22
Left In: 138.730+/-186.573 χ²/NDF:24.2/22
Left: -381.957+/-130.349 χ²/NDF: 107.1/47
Right: 367.361+/-284.133 χ²/NDF: 46.7/41
In: 67.954+/-169.809 χ²/NDF:48.8/41
Out: -554.850+/-165.381 χ²/NDF:103.9/47
All: -251.674+/-118.477 χ²/NDF: 159.6/89



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: 1108.049+/-0.279 χ^2/NDF: 2795981.0/22

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

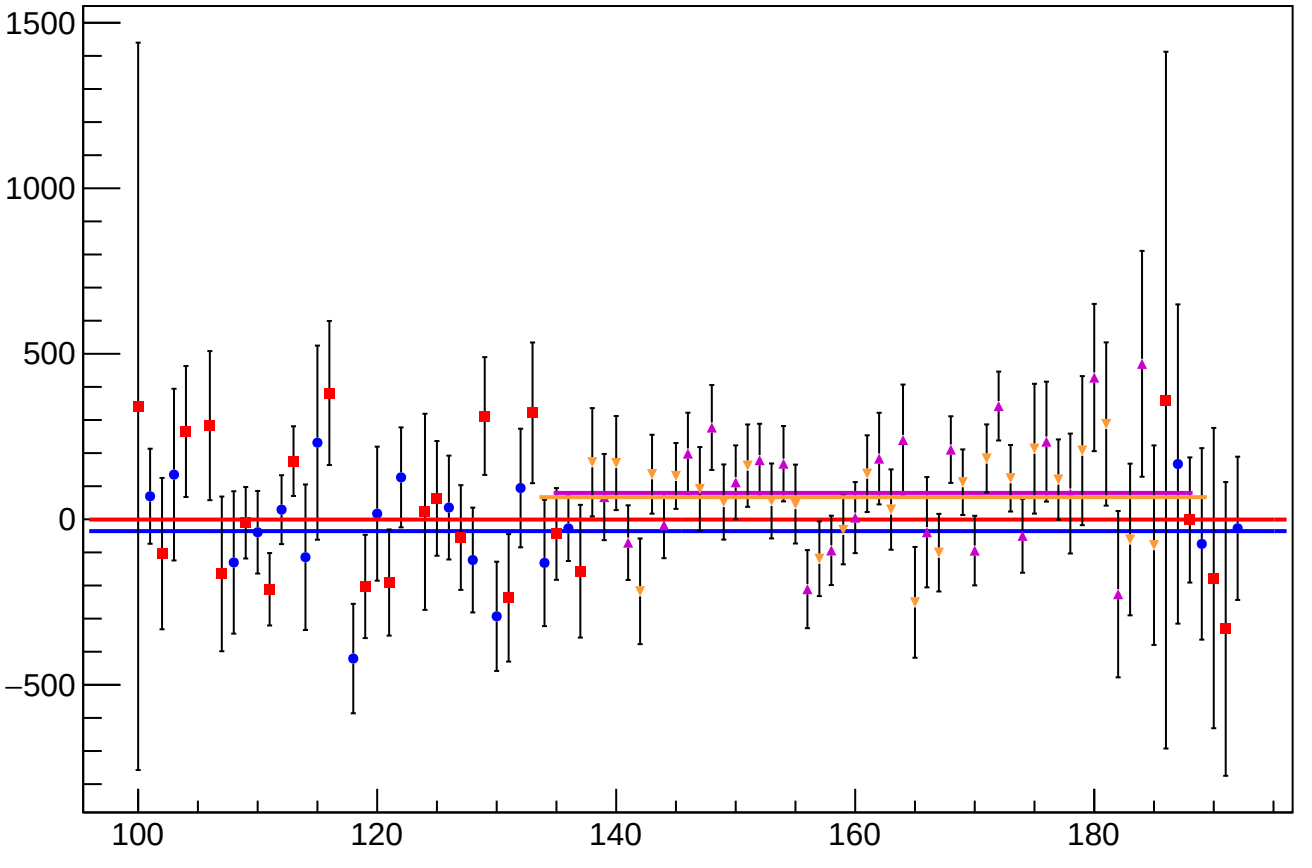
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1125.253+/-0.201 χ^2/NDF: 4887484.9/41

In: 846.453+/-0.120 χ^2/NDF:4418378.9/41

Out: 843.302+/-0.117 χ^2/NDF:5101517.4/47

All: 844.836+/-0.084 χ^2/NDF: 9520249.8/89



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: -0.708+/-37.129 χ^2/NDF: 25.6/22

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

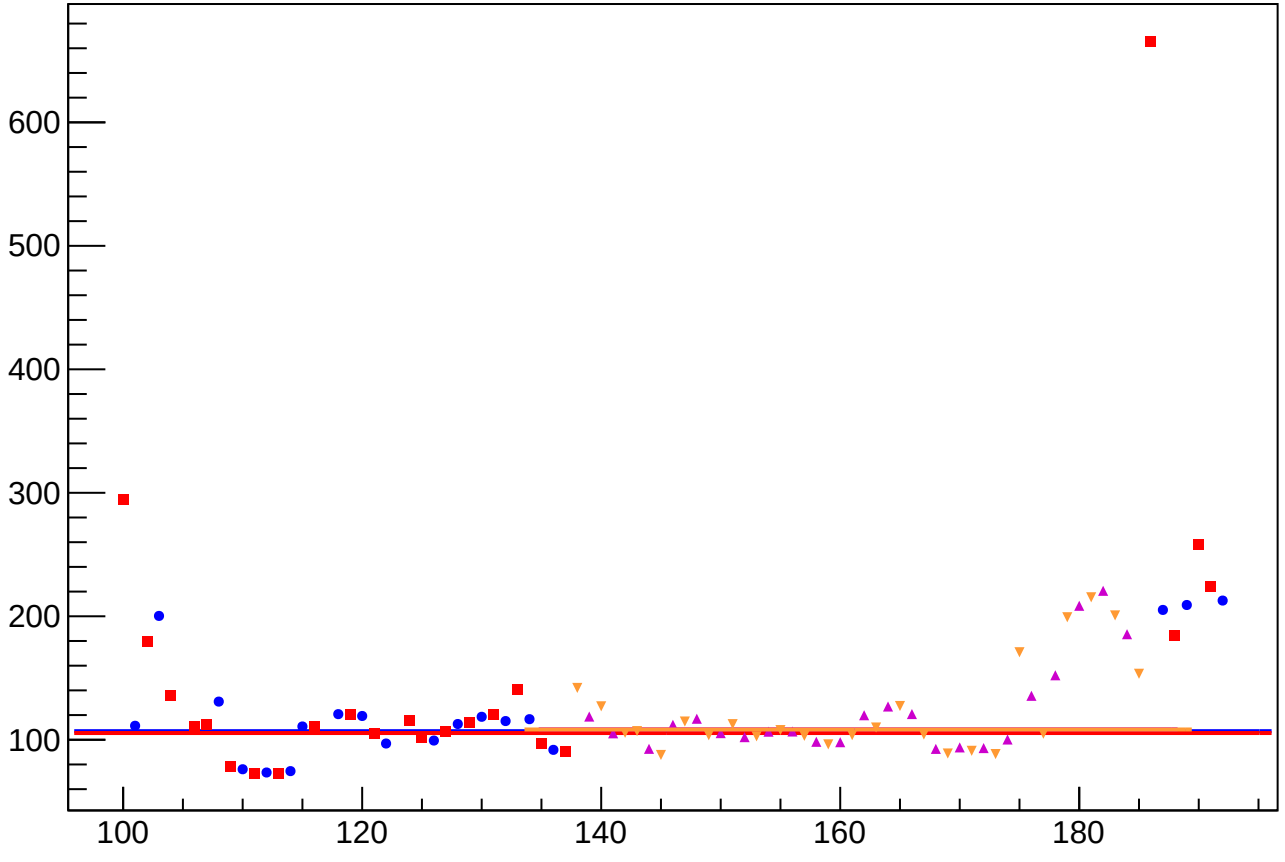
Right: -17.830+/-26.530 χ^2/NDF: 39.1/41

In: 42.271+/-21.610 χ^2/NDF:56.3/41

Out: 45.132+/-21.067 χ^2/NDF:47.4/47

All: 43.738+/-15.085 χ^2/NDF: 103.7/89

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: 105.458+/-0.026 χ^2/NDF: 2213010.0/22

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

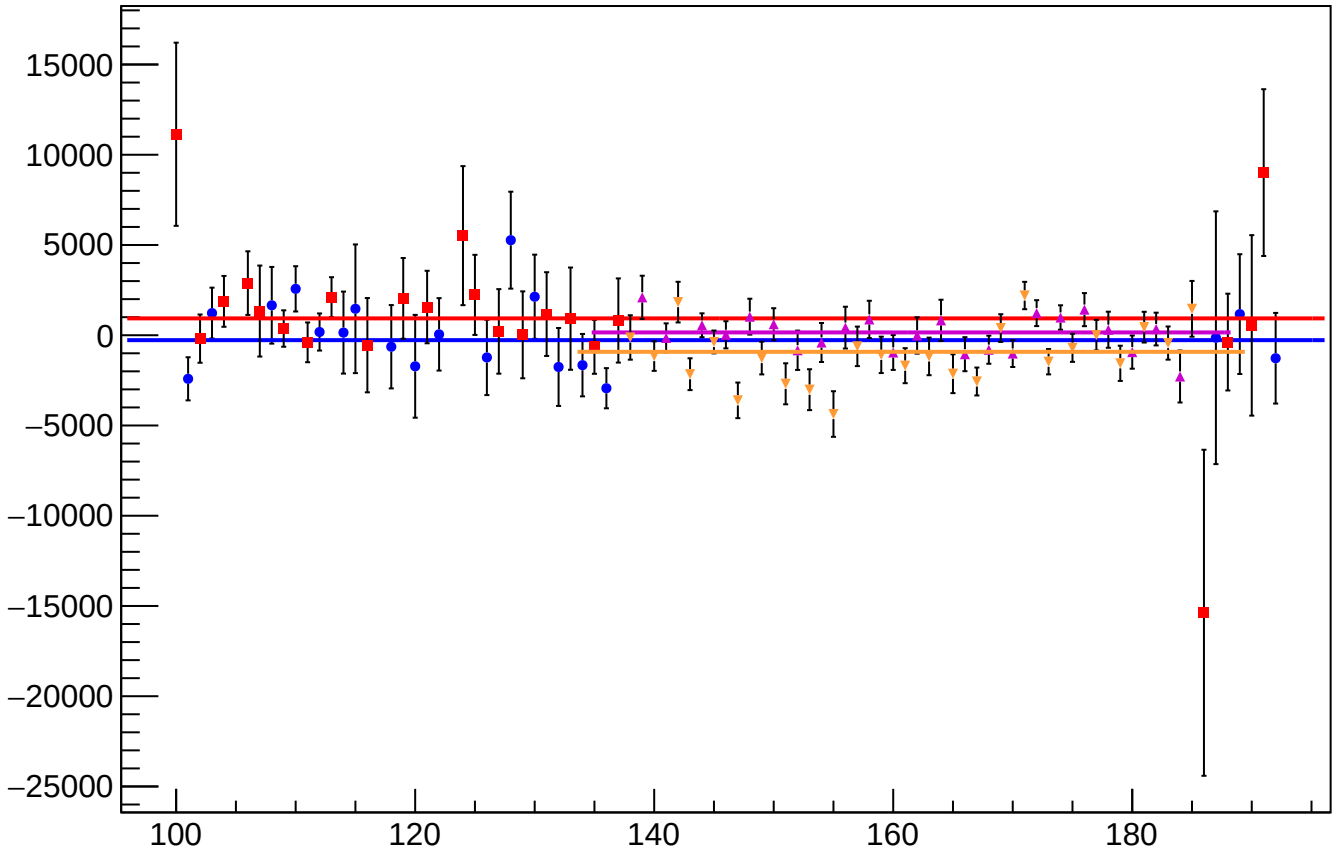
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 106.195+/-0.019 χ^2/NDF: 3787261.7/41

In: 107.996+/-0.015 χ^2/NDF:2954237.2/41

Out: 107.405+/-0.015 χ^2/NDF:3995725.6/47

All: 107.693+/-0.011 χ^2/NDF: 6950728.1/89



Right In: -272.244+/-407.610 χ^2/NDF: 23.8/18

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: 933.642+/-389.026 χ^2/NDF: 19.7/22

Left In: 155.874+/-187.116 χ^2/NDF:23.1/22

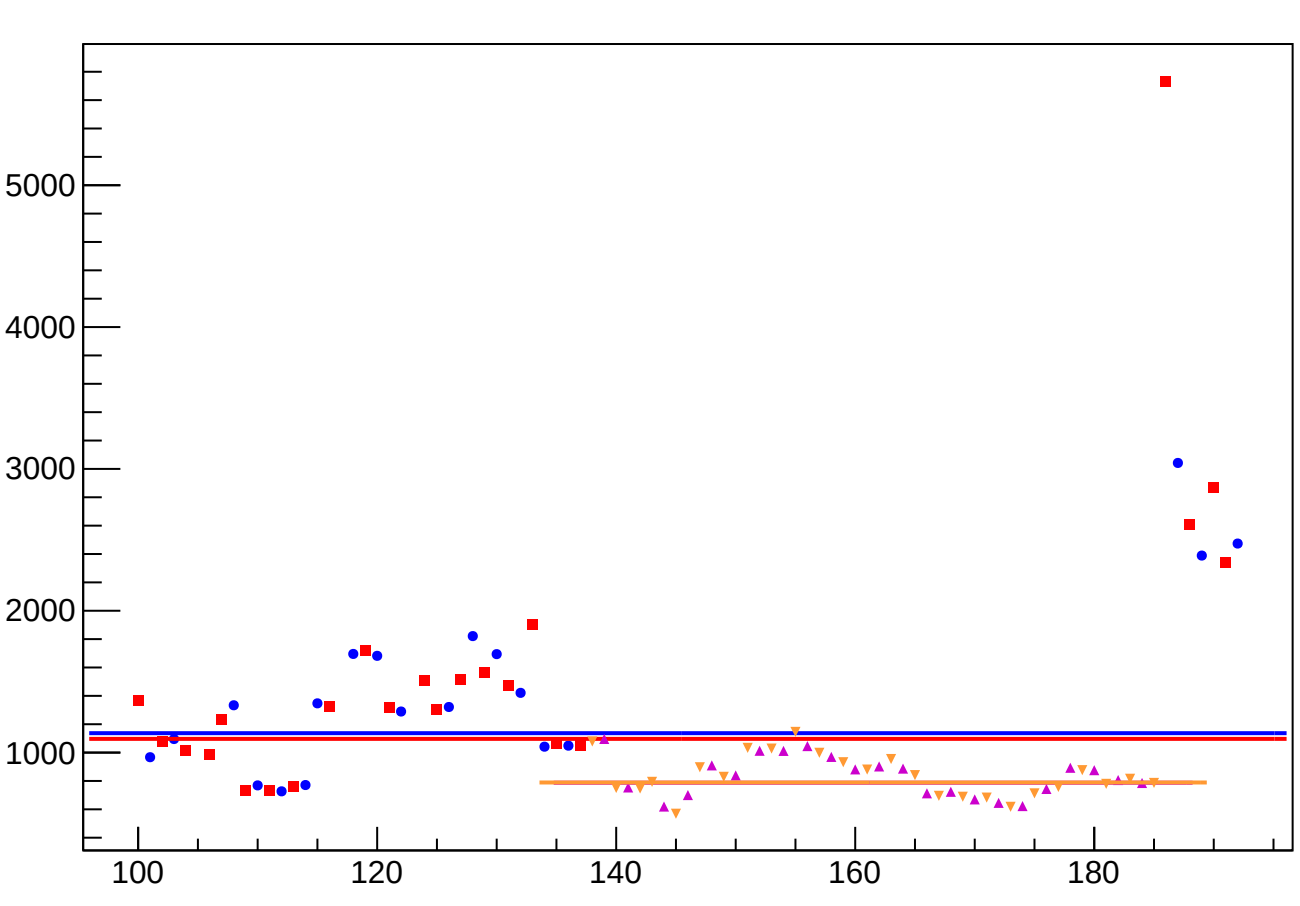
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 358.816+/-281.423 χ^2/NDF: 48.1/41

In: 81.358+/-170.054 χ^2/NDF:47.8/41

Out: -584.723+/-165.194 χ^2/NDF:102.4/47

All: -261.336+/-118.491 χ^2/NDF: 158.1/89



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: 1096.789+/-0.275 χ^2/NDF: 2838871.7/22

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

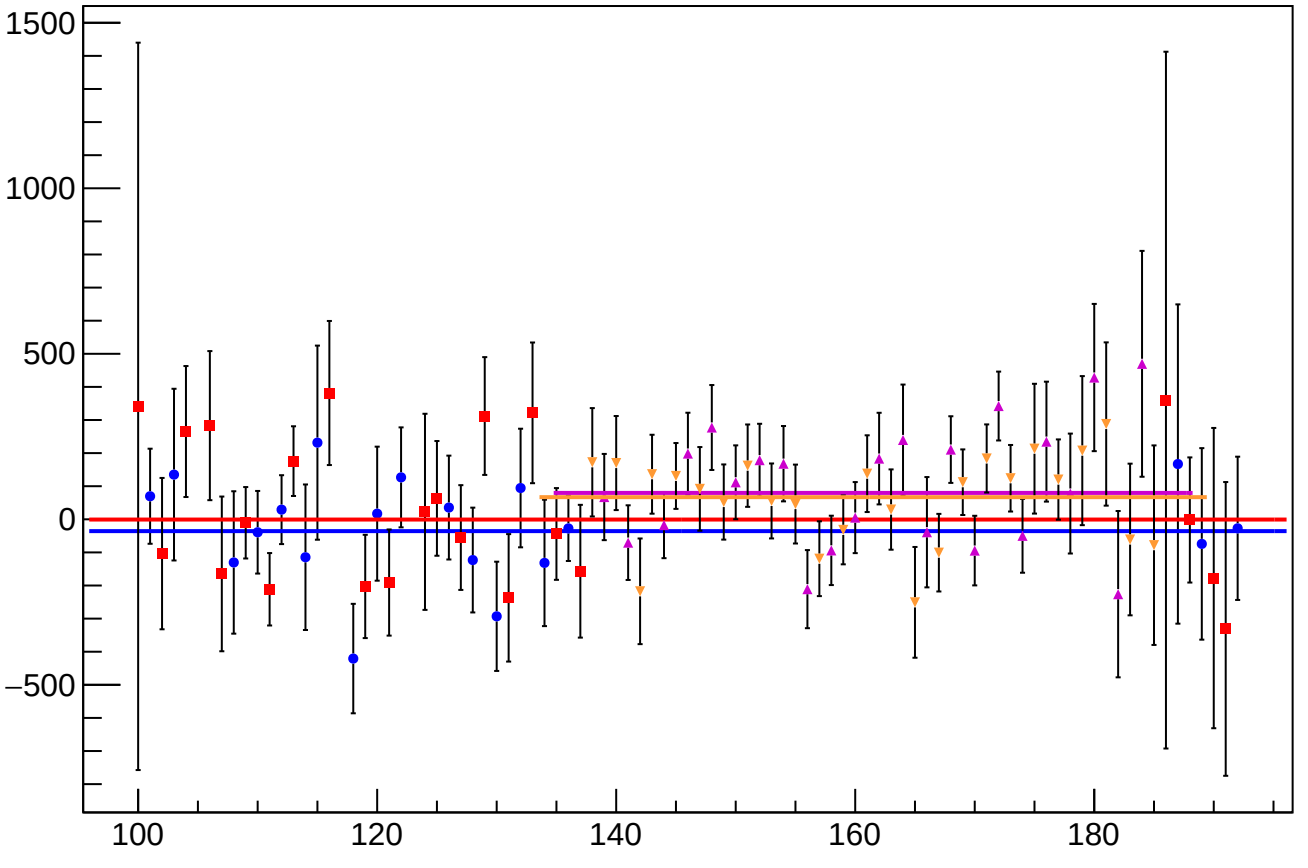
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1115.885+/-0.199 χ^2/NDF: 4971659.0/41

In: 848.214+/-0.120 χ^2/NDF:4378256.4/41

Out: 844.704+/-0.117 χ^2/NDF:5040197.3/47

All: 846.408+/-0.084 χ^2/NDF: 9418892.3/89



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: -0.709+/-37.129 χ^2/NDF: 25.6/22

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

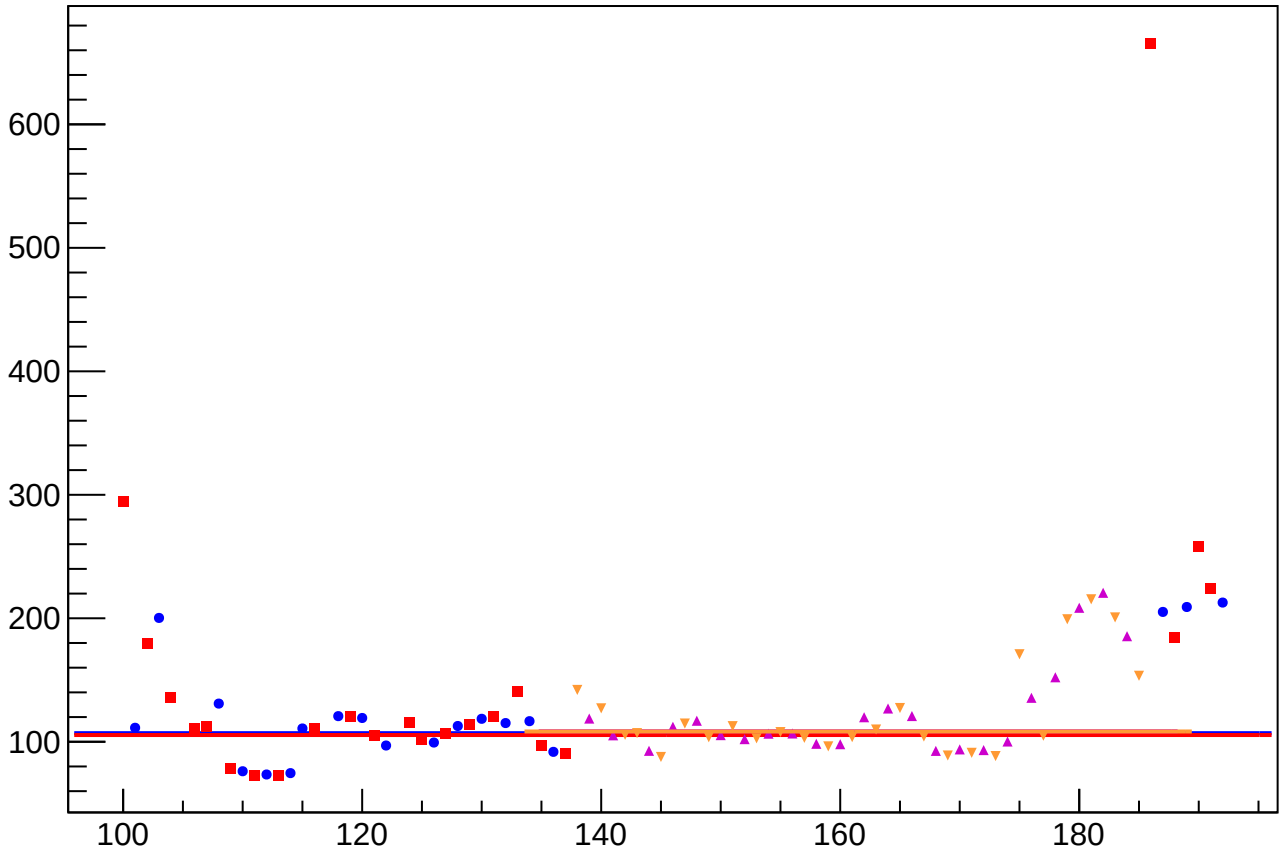
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -17.830+/-26.530 χ^2/NDF: 39.1/41

In: 42.271+/-21.611 χ^2/NDF:56.3/41

Out: 45.133+/-21.067 χ^2/NDF:47.4/47

All: 43.738+/-15.085 χ^2/NDF: 103.7/89



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: 105.458+/-0.026 χ^2/NDF: 2213017.0/22

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

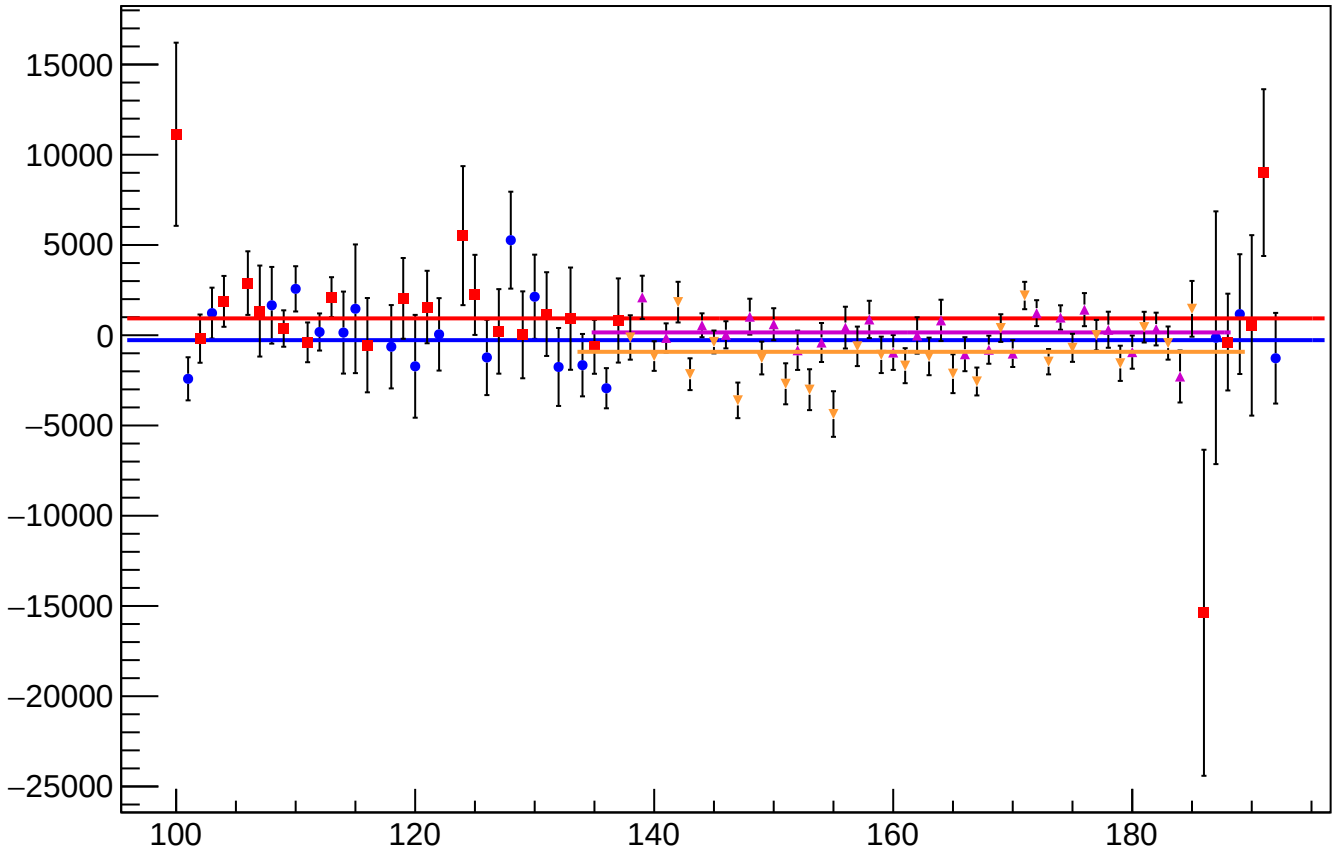
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 106.195+/-0.019 χ^2/NDF: 3787264.9/41

In: 107.996+/-0.015 χ^2/NDF:2954214.9/41

Out: 107.406+/-0.015 χ^2/NDF:3995728.3/47

All: 107.693+/-0.011 χ^2/NDF: 6950708.5/89



Right In: -272.243+/-407.610 χ^2/NDF: 23.8/18

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

Right Out: 933.641+/-389.025 χ^2/NDF: 19.7/22

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

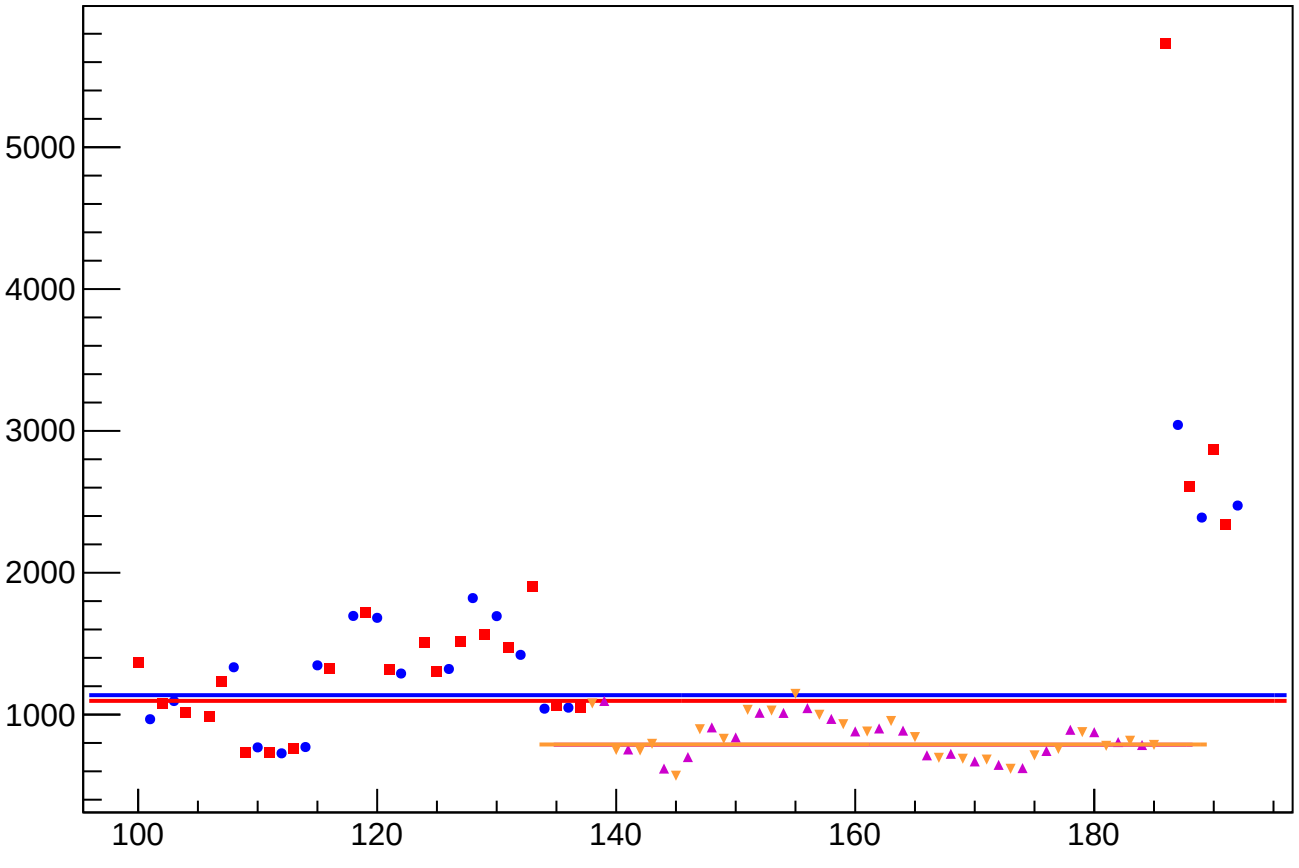
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 358.816+/-281.423 χ^2/NDF: 48.1/41

In: 81.358+/-170.054 χ^2/NDF:47.8/41

Out: -584.723+/-165.194 χ^2/NDF:102.4/47

All: -261.336+/-118.490 χ^2/NDF: 158.1/89



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: 1096.788+/-0.275 χ^2/NDF: 2838874.3/22

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

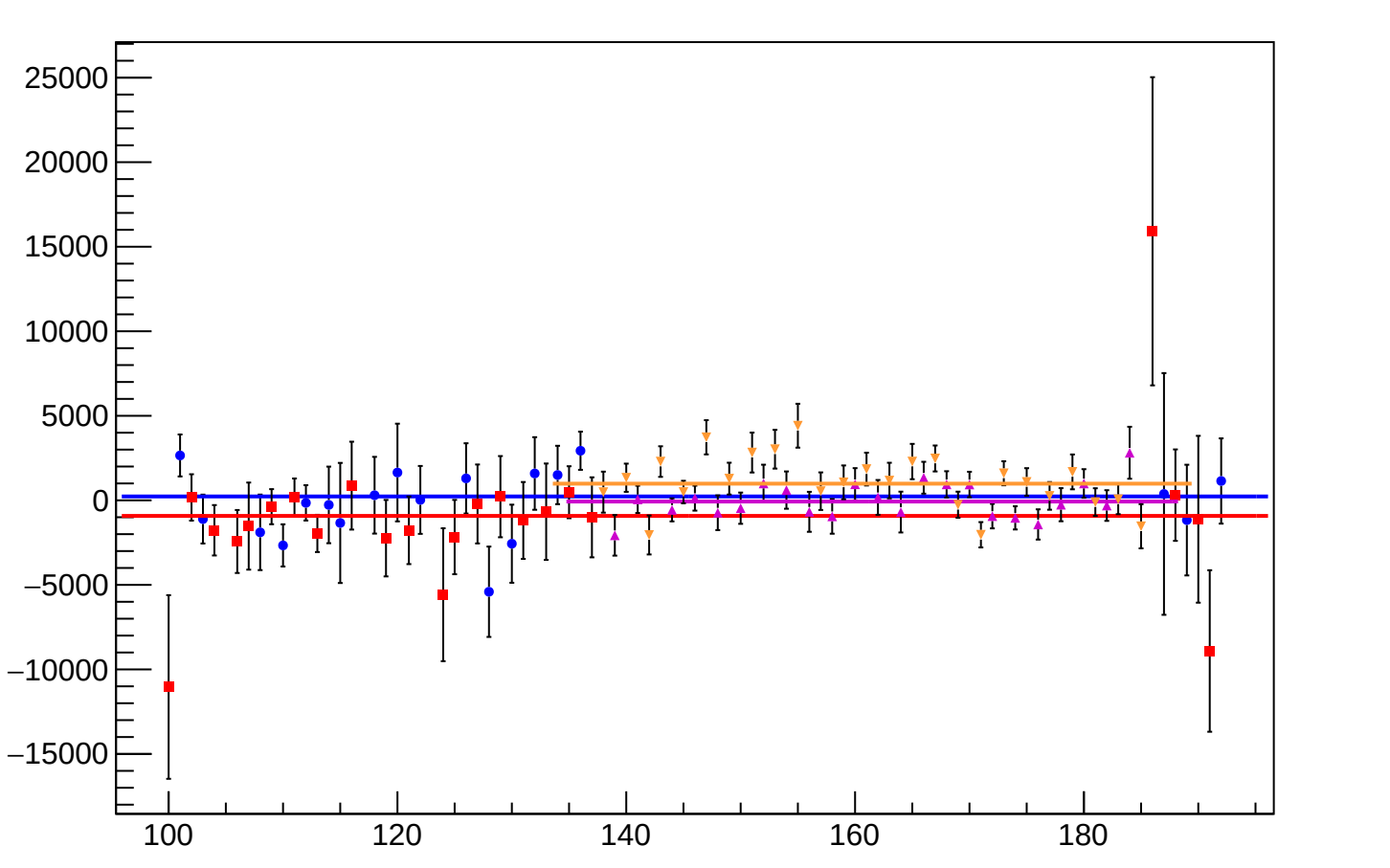
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1115.883+/-0.199 χ^2/NDF: 4971667.1/41

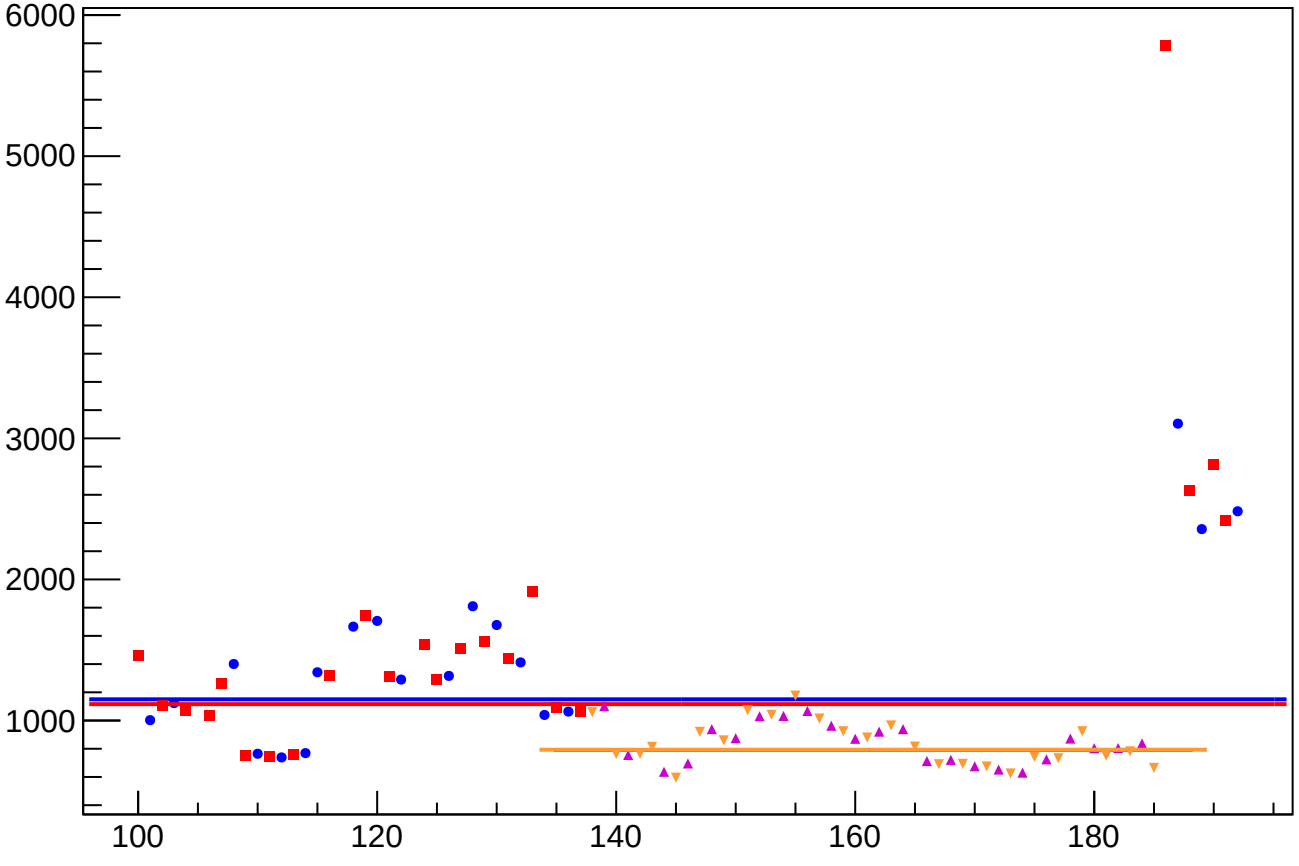
In: 848.213+/-0.120 χ^2/NDF:4378261.7/41

Out: 844.702+/-0.117 χ^2/NDF:5040203.6/47

All: 846.407+/-0.084 χ^2/NDF: 9418903.9/89


asym_sam_3748_avg_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: 230.377+/-412.048 χ²/NDF: 24.8/18
Left Out: 985.656+/-183.601 χ²/NDF:63.7/24
Right Out: -921.617+/-395.658 χ²/NDF: 17.6/22
Left In: -70.089+/-188.036 χ²/NDF:24.4/22
Left: 470.380+/-131.365 χ²/NDF: 104.3/47
Right: -368.985+/-285.391 χ²/NDF: 46.4/41
In: -18.301+/-171.065 χ²/NDF:49.6/41
Out: 647.726+/-166.543 χ²/NDF:100.4/47
All: 323.631+/-119.331 χ²/NDF: 157.8/89

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: 1116.236+/-0.280 χ^2/NDF: 2781668.6/22

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

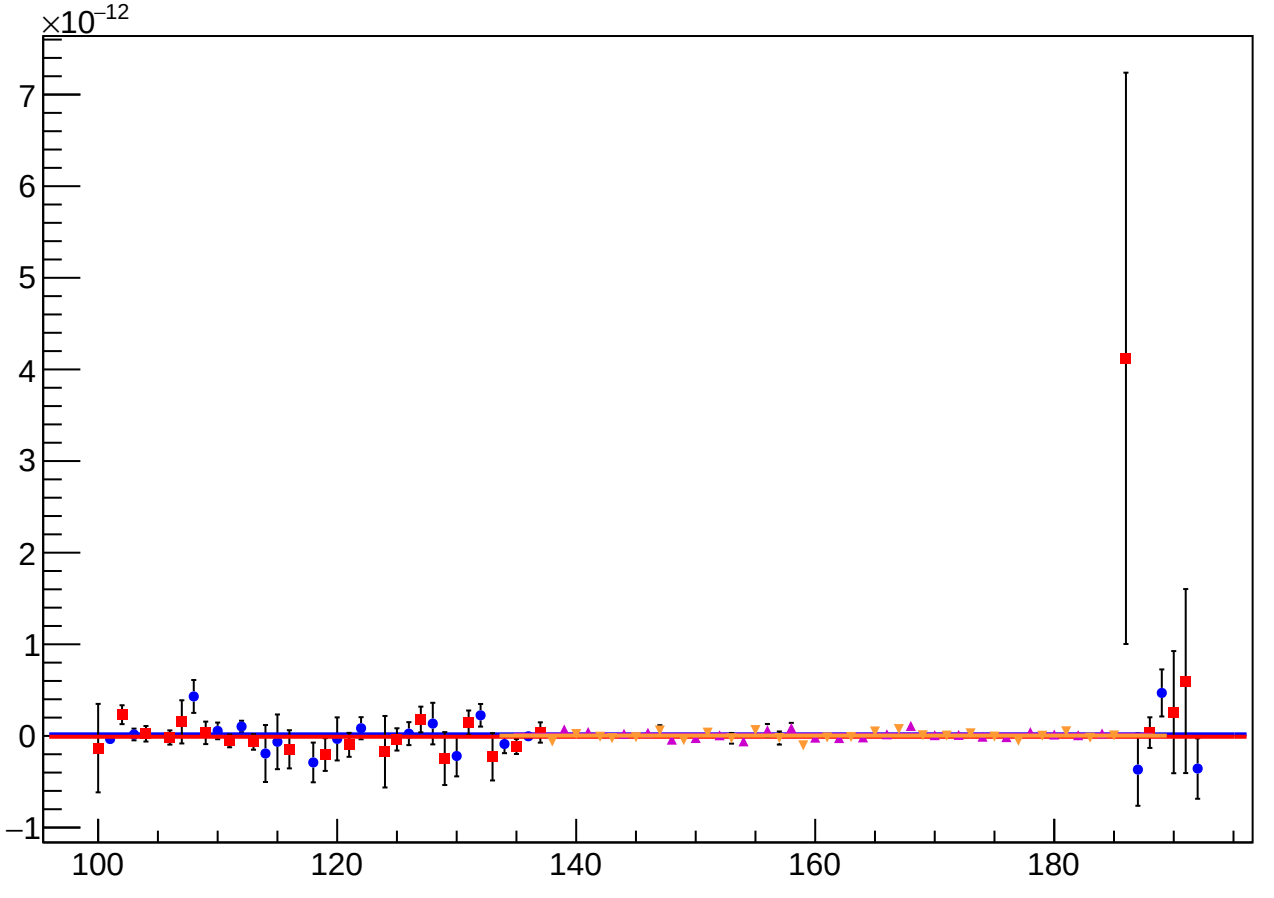
Right: 1132.571+/-0.202 χ^2/NDF: 4862522.3/41

In: 853.054+/-0.121 χ^2/NDF:4380298.8/41

Out: 850.313+/-0.118 χ^2/NDF:5073625.9/47

All: 851.647+/-0.084 χ^2/NDF: 9454188.5/89

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/22

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

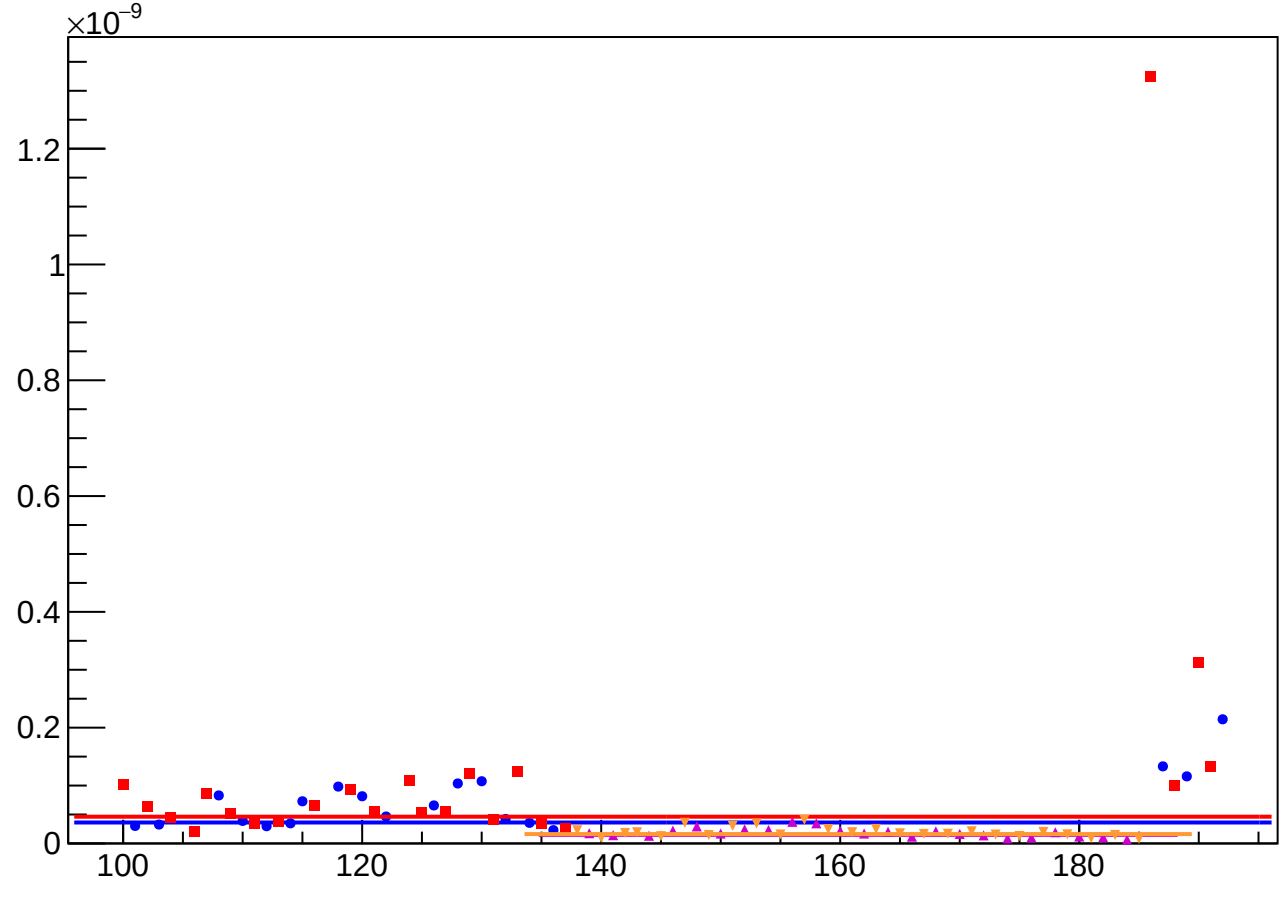
Right: 0.000+/-0.000 χ^2/NDF: 41.0/41

In: 0.000+/-0.000 χ^2/NDF:47.5/41

Out: 0.000+/-0.000 χ^2/NDF:52.4/47

All: 0.000+/-0.000 χ^2/NDF: 101.1/89

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: 1963580.8/22

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

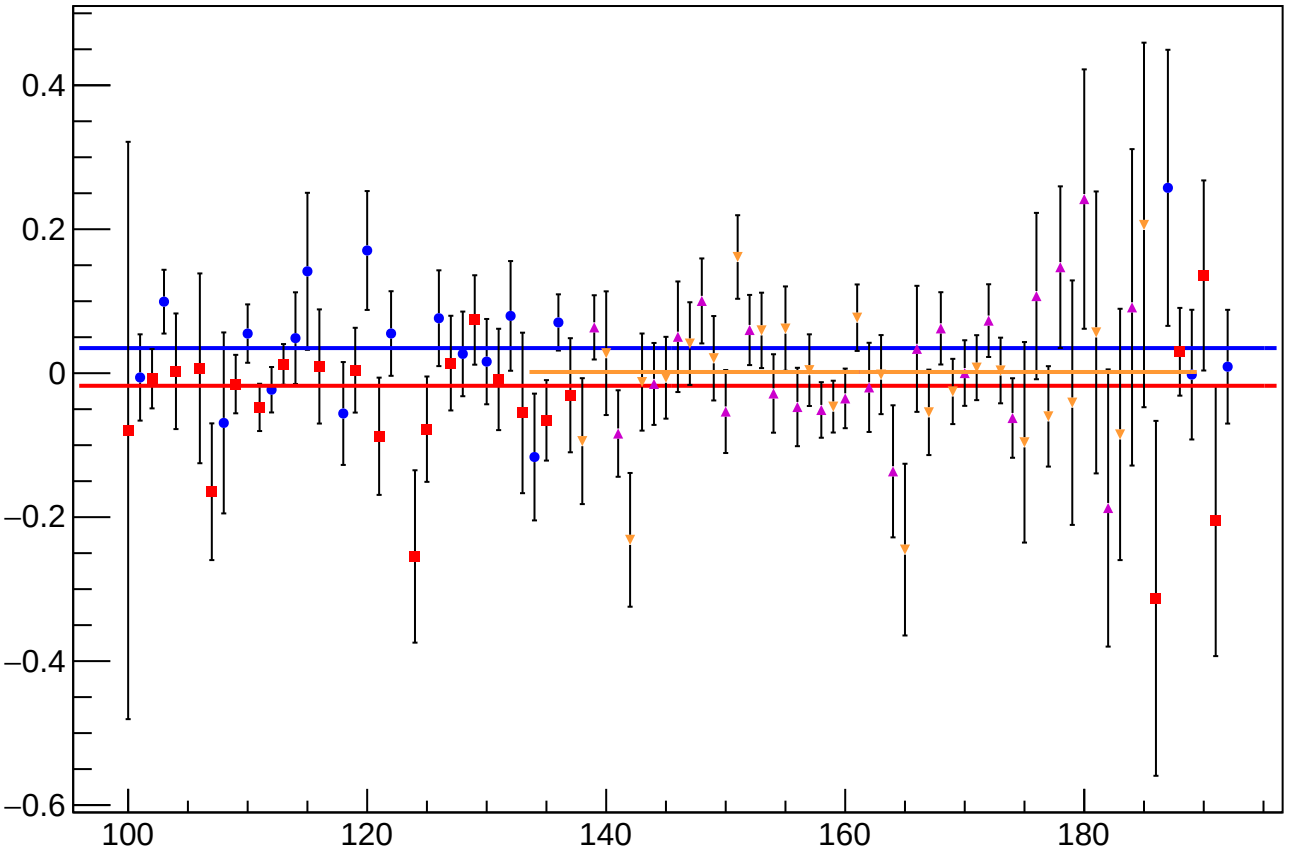
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 4231280.6/41

In: 0.000+/-0.000 χ^2/NDF:5542860.4/41

Out: 0.000+/-0.000 χ^2/NDF:6110792.5/47

All: 0.000+/-0.000 χ^2/NDF: 11697191.1/89



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: -0.017+/-0.013 χ^2/NDF: 17.8/22

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

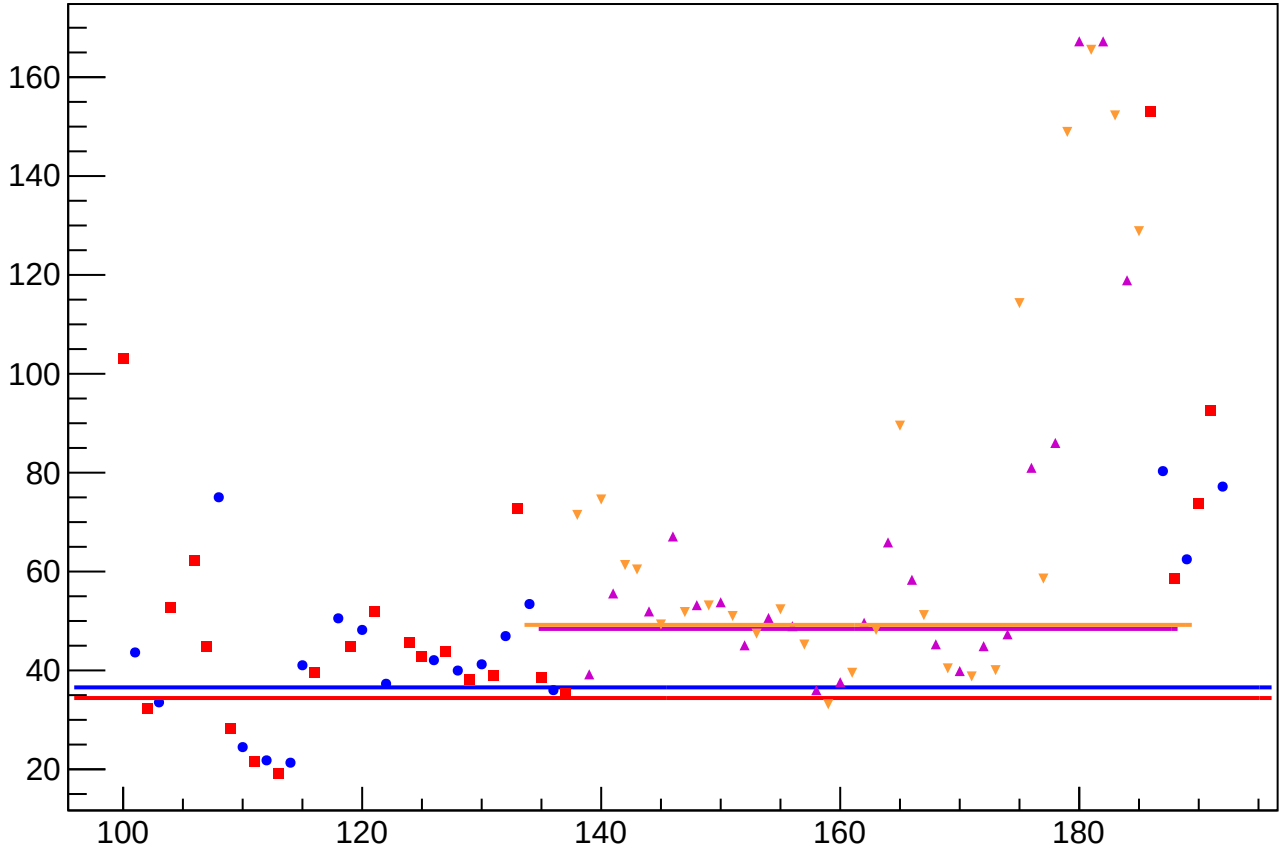
Right: 0.007+/-0.009 χ^2/NDF: 44.3/41

In: 0.017+/-0.009 χ^2/NDF:47.9/41

Out: -0.008+/-0.009 χ^2/NDF:49.4/47

All: 0.004+/-0.006 χ^2/NDF: 101.0/89

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: 34.415+/-0.009 χ^2/NDF: 2872713.6/22

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

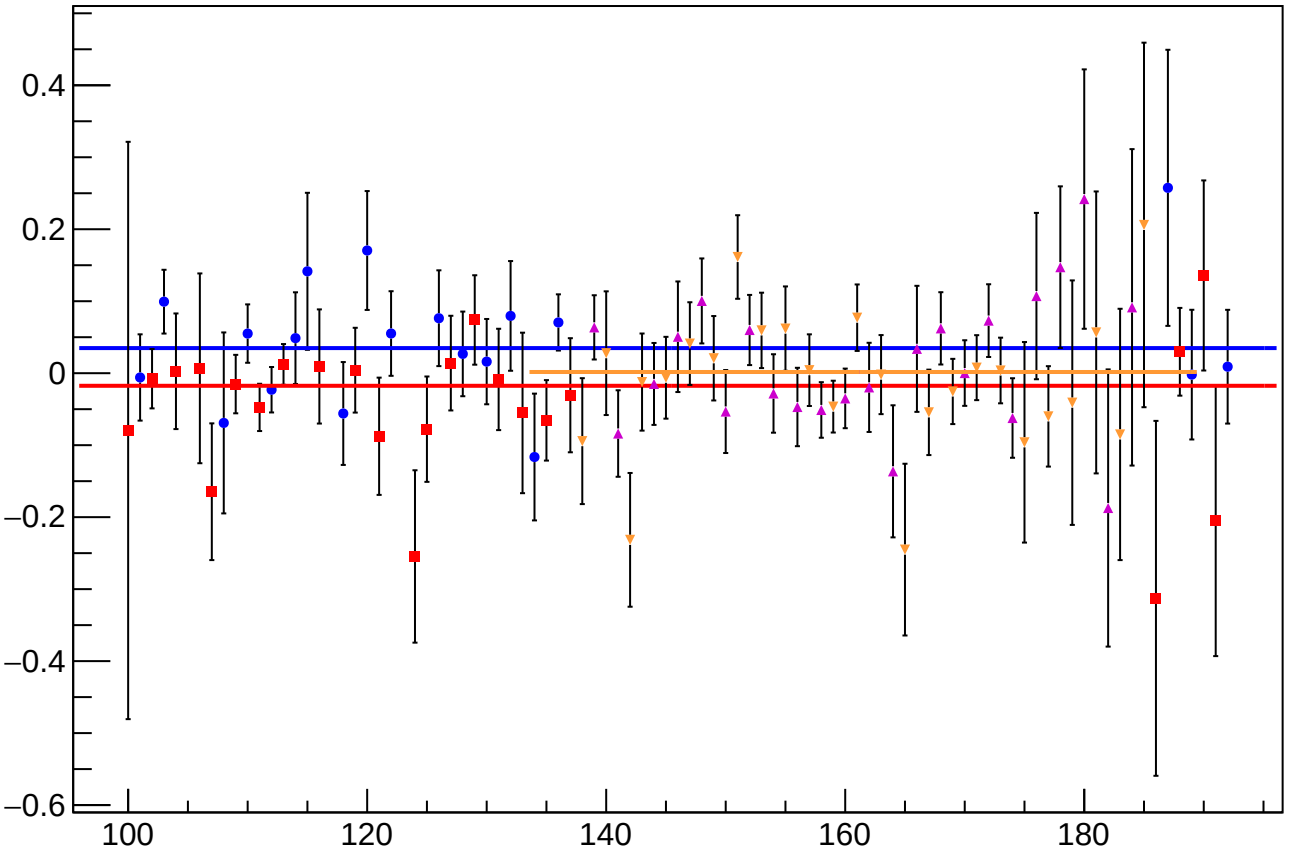
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 35.429+/-0.007 χ^2/NDF: 4914516.8/41

In: 42.993+/-0.006 χ^2/NDF:5882487.7/41

Out: 42.067+/-0.006 χ^2/NDF:8443761.5/47

All: 42.516+/-0.004 χ^2/NDF: 14336866.9/89



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: -0.017+/-0.013 χ^2/NDF: 17.8/22

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

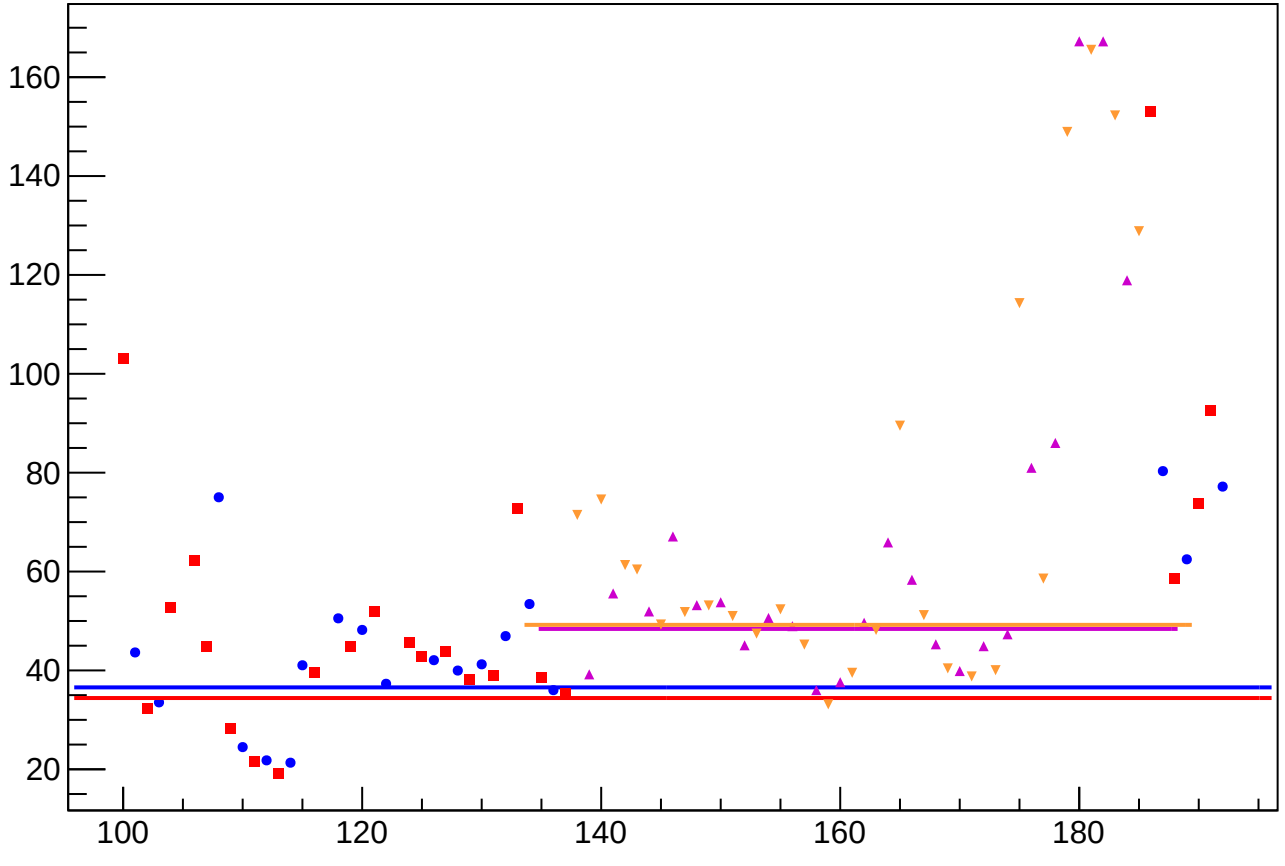
Right: 0.007+/-0.009 χ^2/NDF: 44.3/41

In: 0.017+/-0.009 χ^2/NDF:47.9/41

Out: -0.008+/-0.009 χ^2/NDF:49.4/47

All: 0.004+/-0.006 χ^2/NDF: 101.0/89

asym_sam_3748_avg_dit_vs_eigen_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: 34.415+/-0.009 χ^2/NDF: 2872713.6/22

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

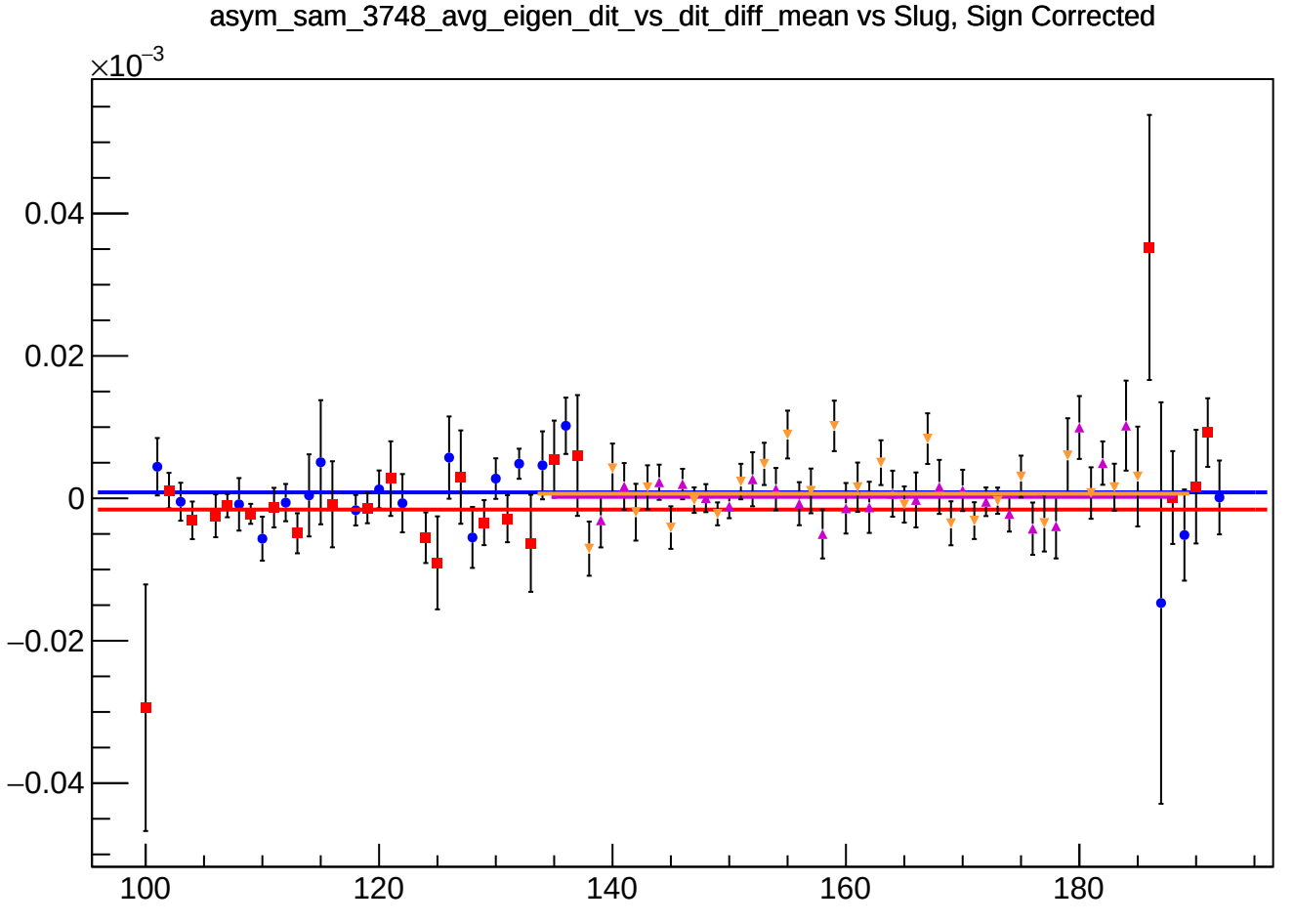
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 35.429+/-0.007 χ^2/NDF: 4914516.8/41

In: 42.993+/-0.006 χ^2/NDF:5882487.7/41

Out: 42.067+/-0.006 χ^2/NDF:8443761.5/47

All: 42.516+/-0.004 χ^2/NDF: 14336866.9/89



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: 22.3/22

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

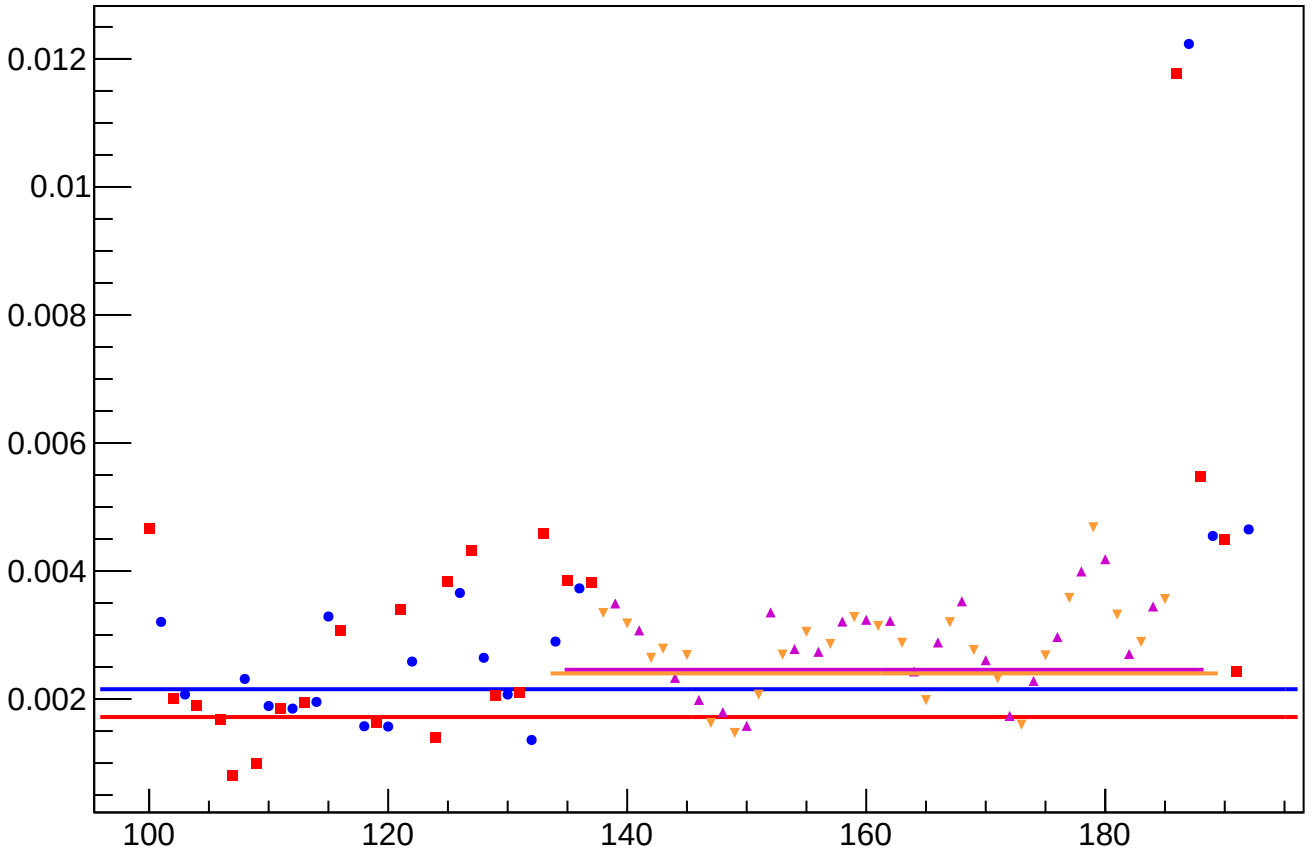
Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

Right: -0.000+/-0.000 χ^2/NDF: 49.9/41

In: 0.000+/-0.000 χ^2/NDF:42.3/41

Out: -0.000+/-0.000 χ^2/NDF:70.5/47

All: 0.000+/-0.000 χ^2/NDF: 114.2/89



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: 4493027.8/22

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

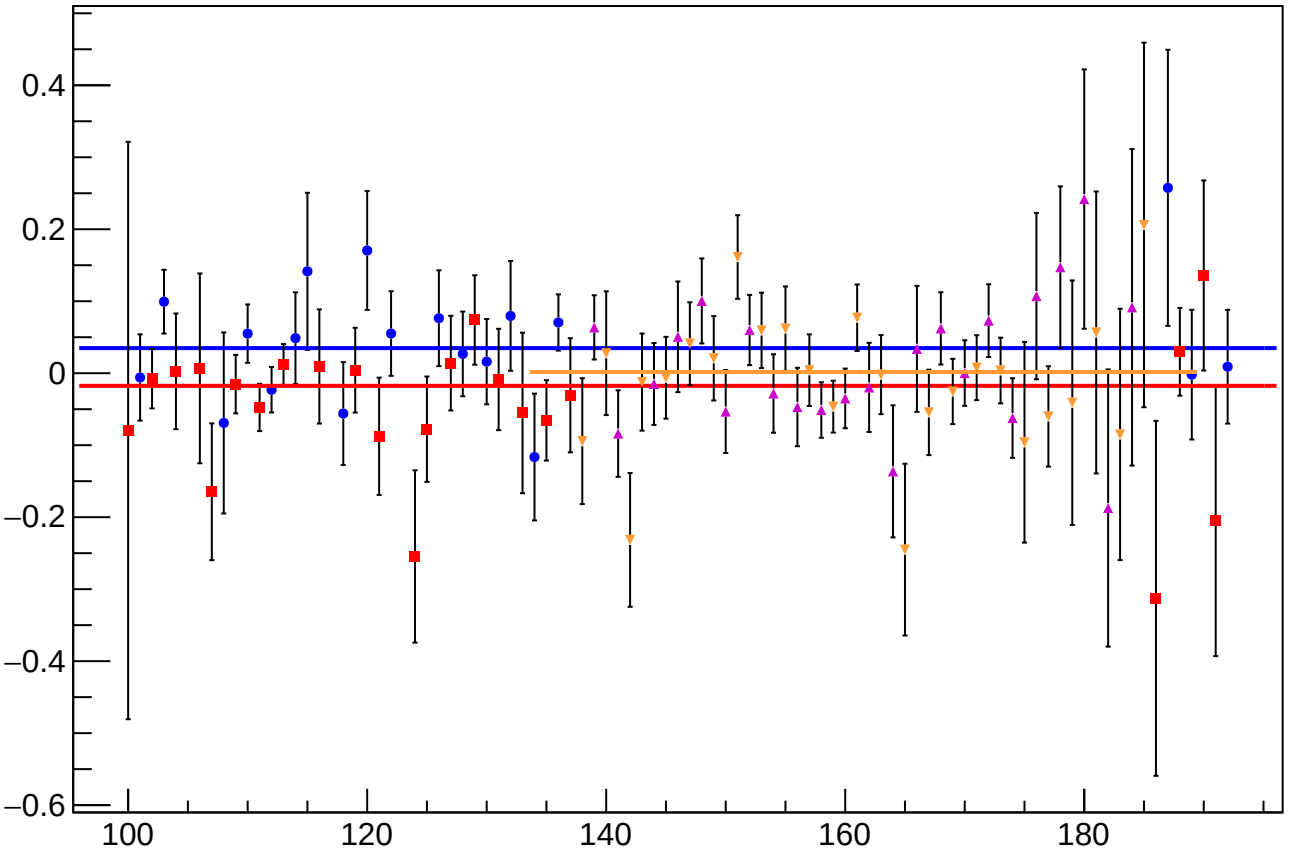
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 7143751.2/41

In: 0.002+/-0.000 χ^2/NDF:5110094.5/41

Out: 0.002+/-0.000 χ^2/NDF:8837741.7/47

All: 0.002+/-0.000 χ^2/NDF: 14223975.0/89



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: -0.017+/-0.013 χ^2/NDF: 17.8/22

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

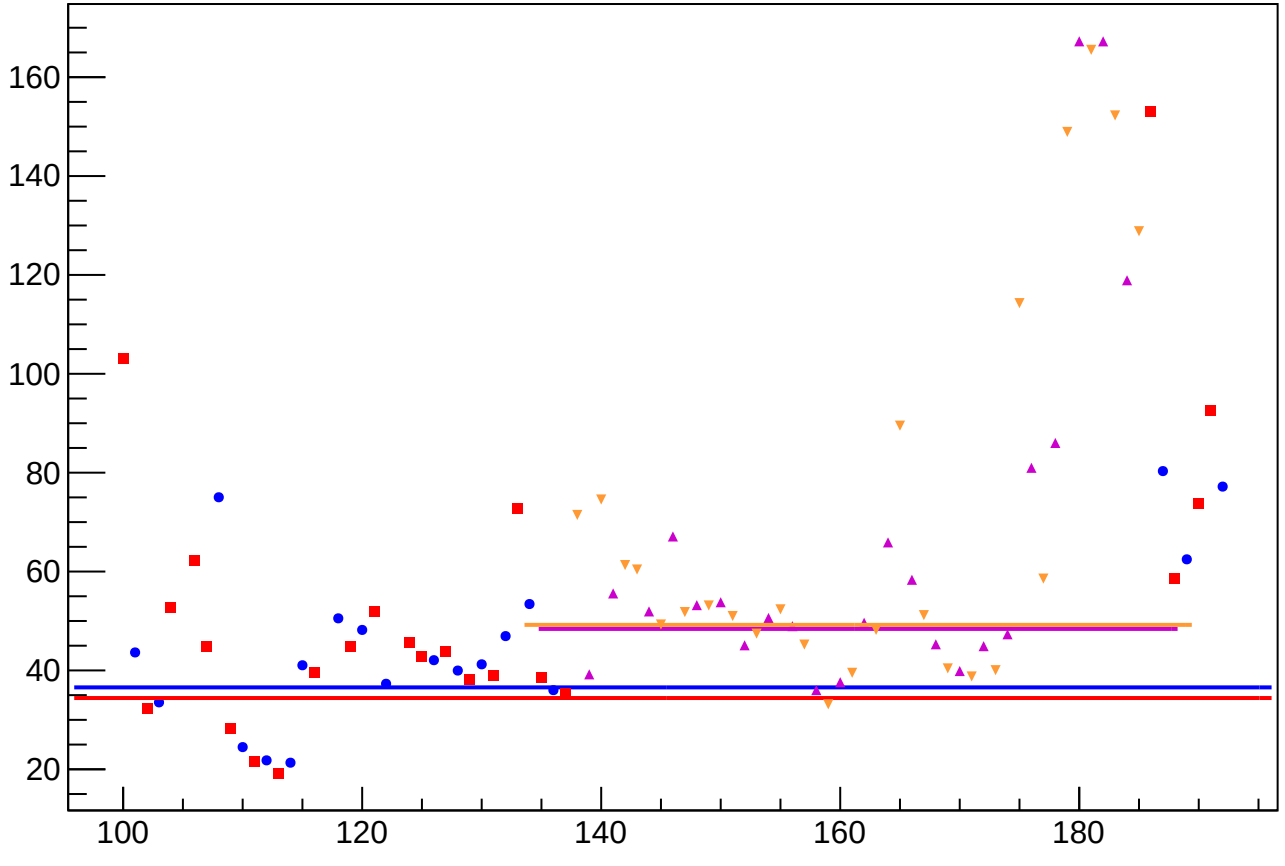
Right: 0.007+/-0.009 χ^2/NDF: 44.3/41

In: 0.017+/-0.009 χ^2/NDF:47.9/41

Out: -0.008+/-0.009 χ^2/NDF:49.4/47

All: 0.004+/-0.006 χ^2/NDF: 101.0/89

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: 34.416+/-0.009 χ^2/NDF: 2872704.0/22

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

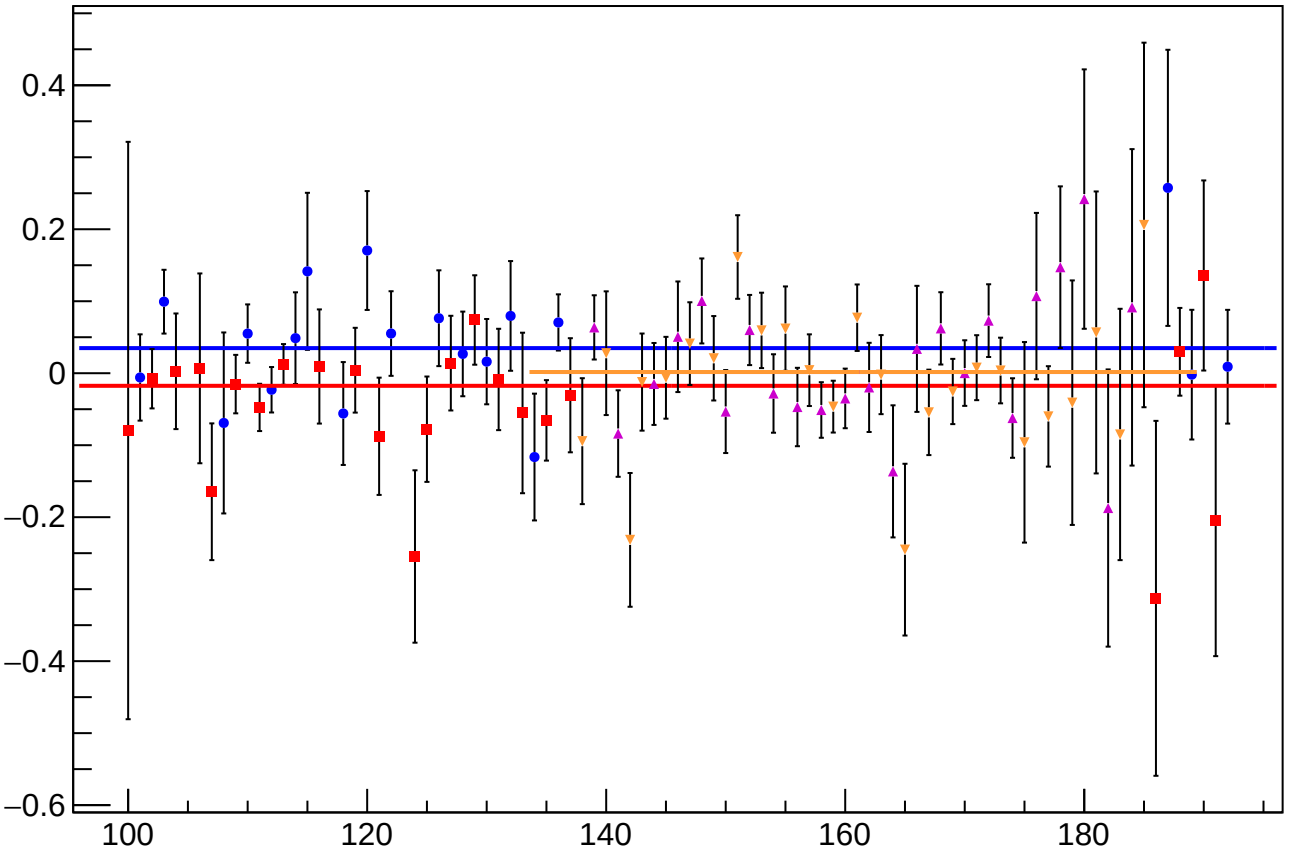
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 35.429+/-0.007 χ^2/NDF: 4914438.1/41

In: 42.993+/-0.006 χ^2/NDF:5882402.4/41

Out: 42.068+/-0.006 χ^2/NDF:8443723.8/47

All: 42.516+/-0.004 χ^2/NDF: 14336742.2/89



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: -0.017+/-0.013 χ^2/NDF: 17.8/22

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

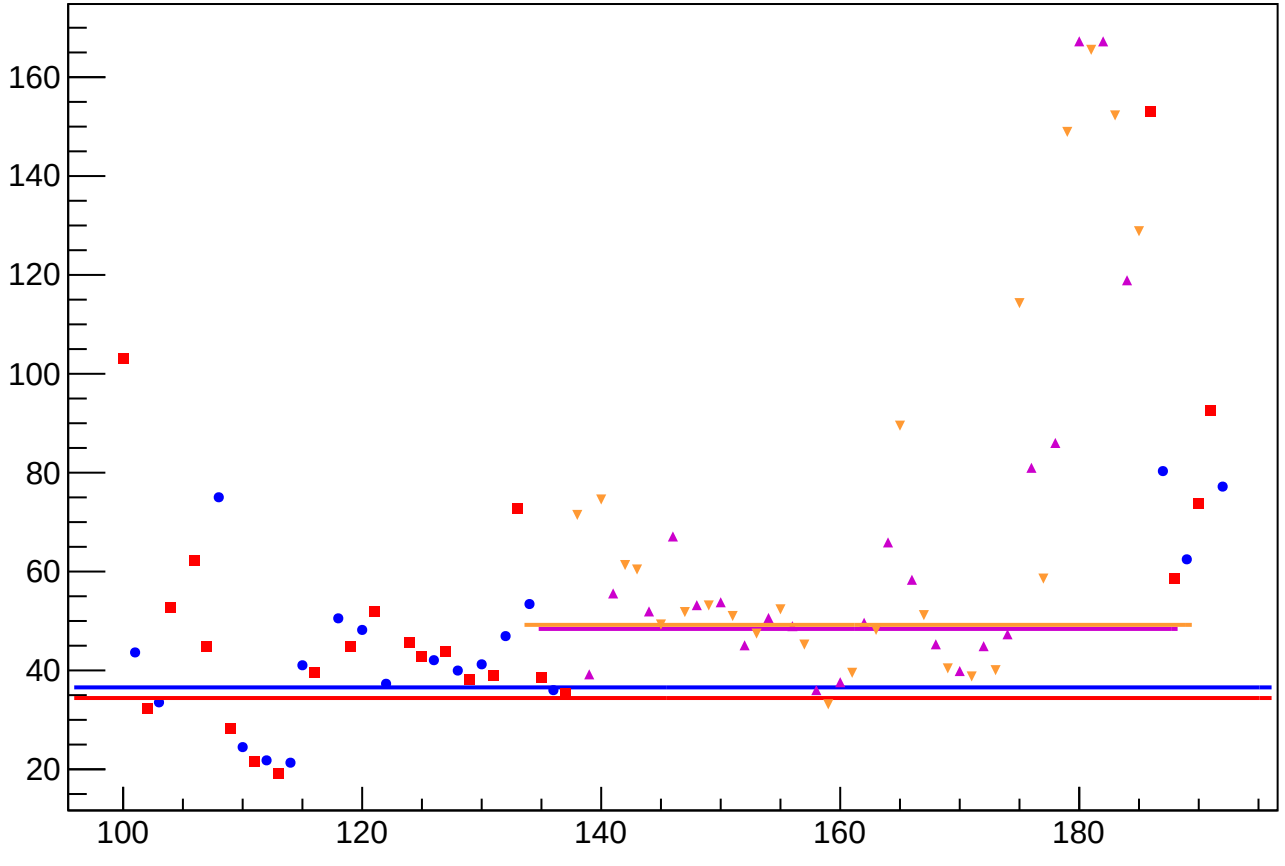
Right: 0.007+/-0.009 χ^2/NDF: 44.3/41

In: 0.017+/-0.009 χ^2/NDF:47.9/41

Out: -0.008+/-0.009 χ^2/NDF:49.4/47

All: 0.004+/-0.006 χ^2/NDF: 101.0/89

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: 34.416+/-0.009 χ^2/NDF: 2872704.0/22

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

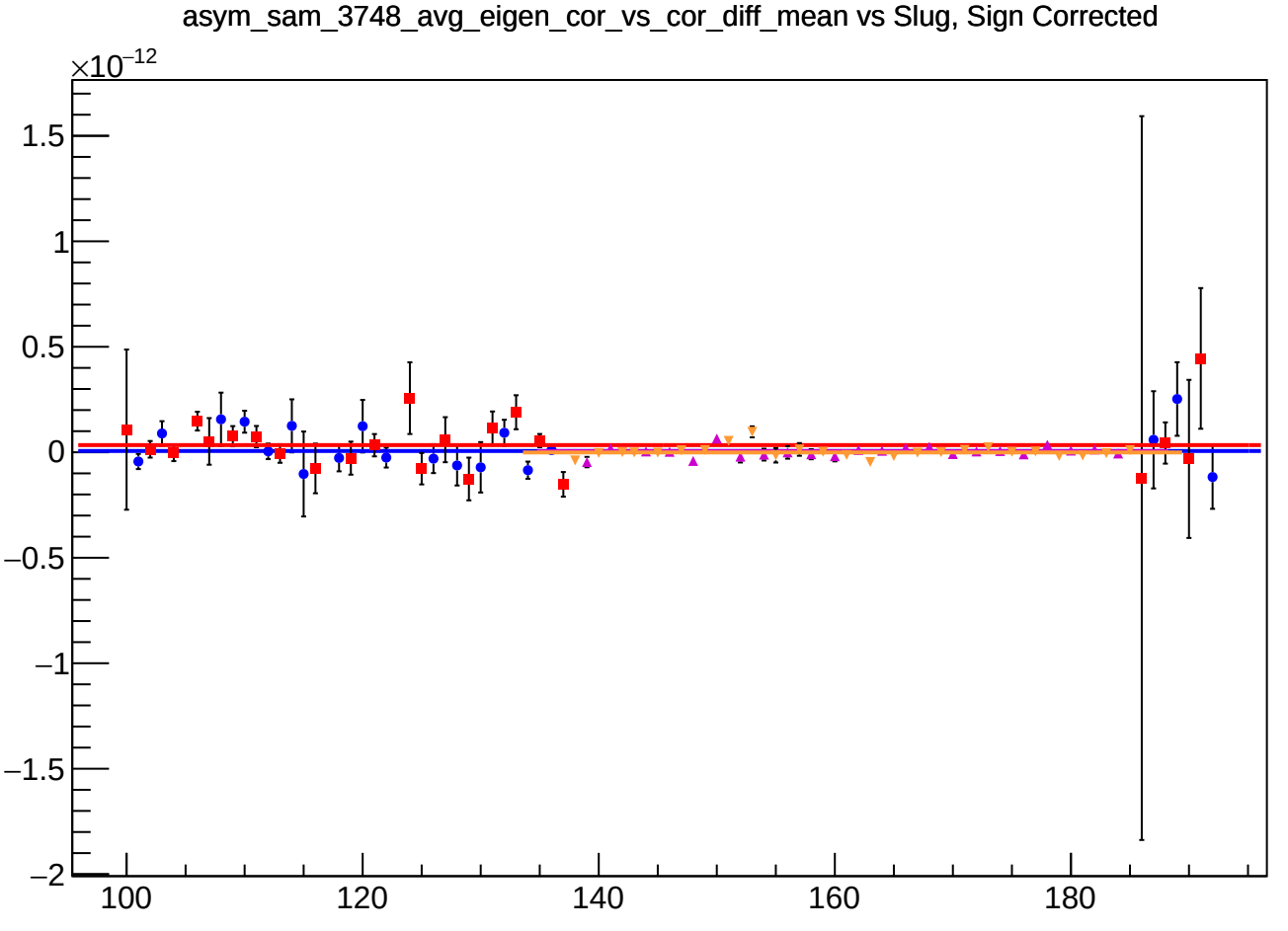
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 35.429+/-0.007 χ^2/NDF: 4914438.1/41

In: 42.993+/-0.006 χ^2/NDF:5882402.4/41

Out: 42.068+/-0.006 χ^2/NDF:8443723.8/47

All: 42.516+/-0.004 χ^2/NDF: 14336742.2/89



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: 35.1/22

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

Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

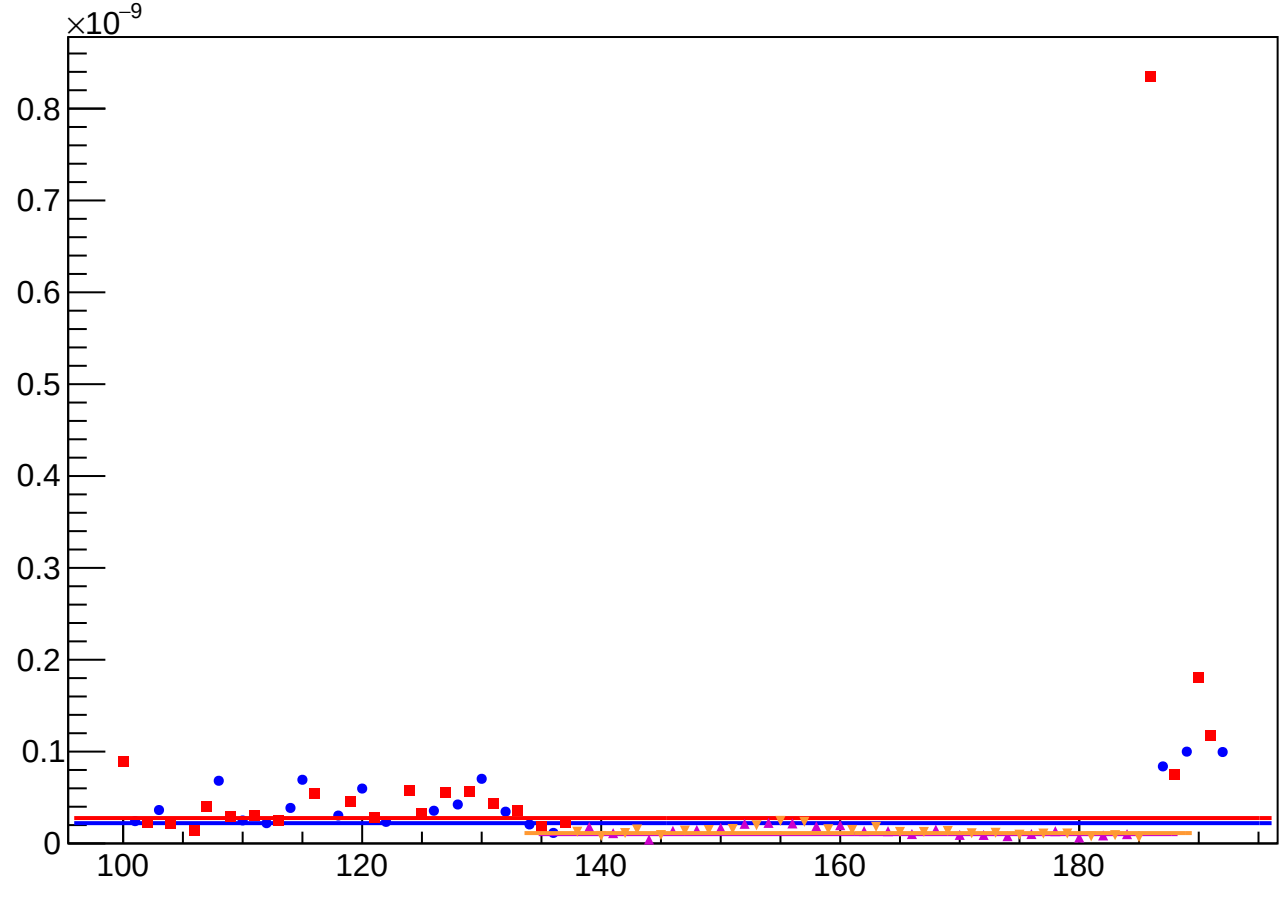
Right: 0.000+/-0.000 χ^2/NDF: 64.0/41

In: 0.000+/-0.000 χ^2/NDF:54.7/41

Out: 0.000+/-0.000 χ^2/NDF:78.8/47

All: 0.000+/-0.000 χ^2/NDF: 134.4/89

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 2620160.0/22

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

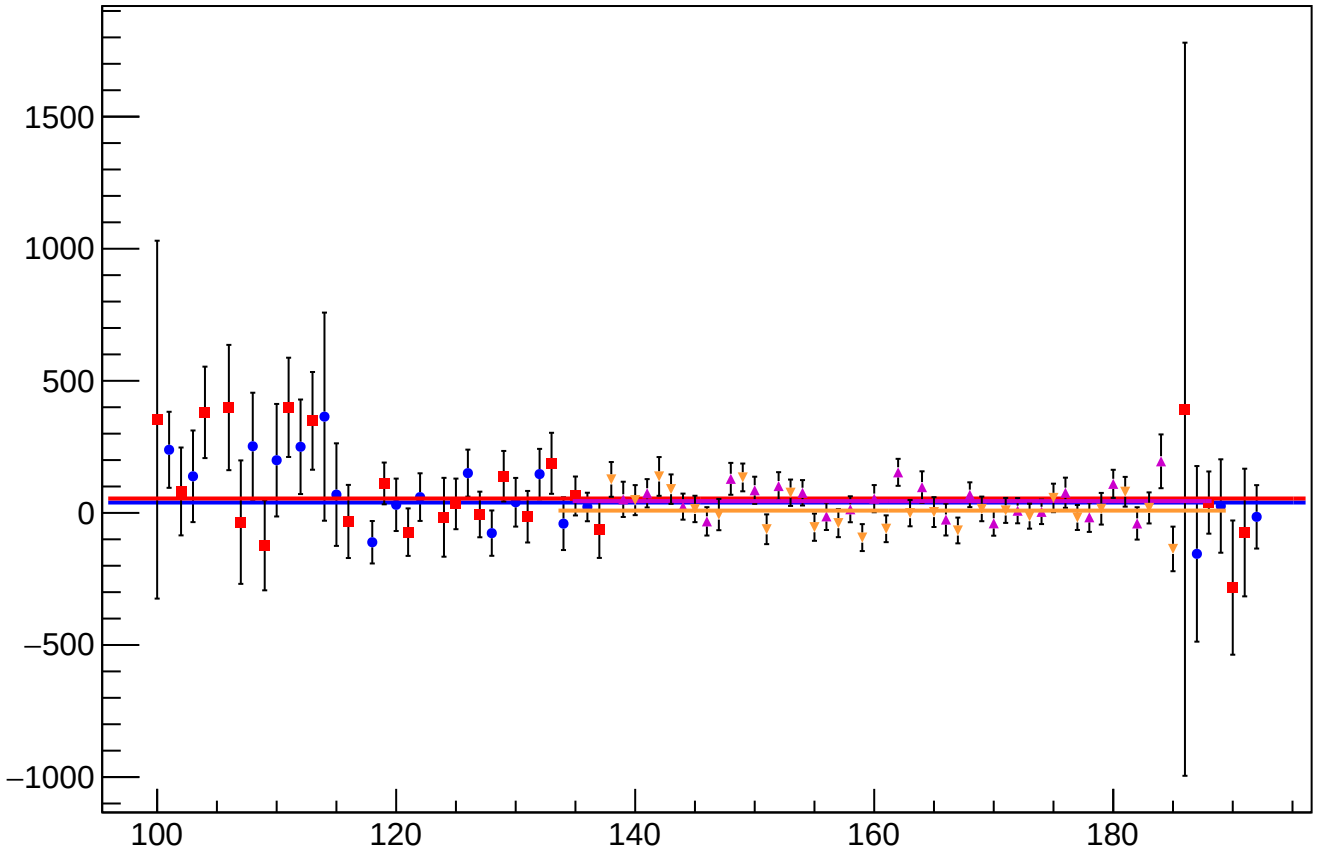
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 5992506.8/41

In: 0.000+/-0.000 χ^2/NDF:9250145.2/41

Out: 0.000+/-0.000 χ^2/NDF:7841230.0/47

All: 0.000+/-0.000 χ^2/NDF: 17256240.1/89



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: 54.528+/-25.925 χ^2/NDF: 22.6/22

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

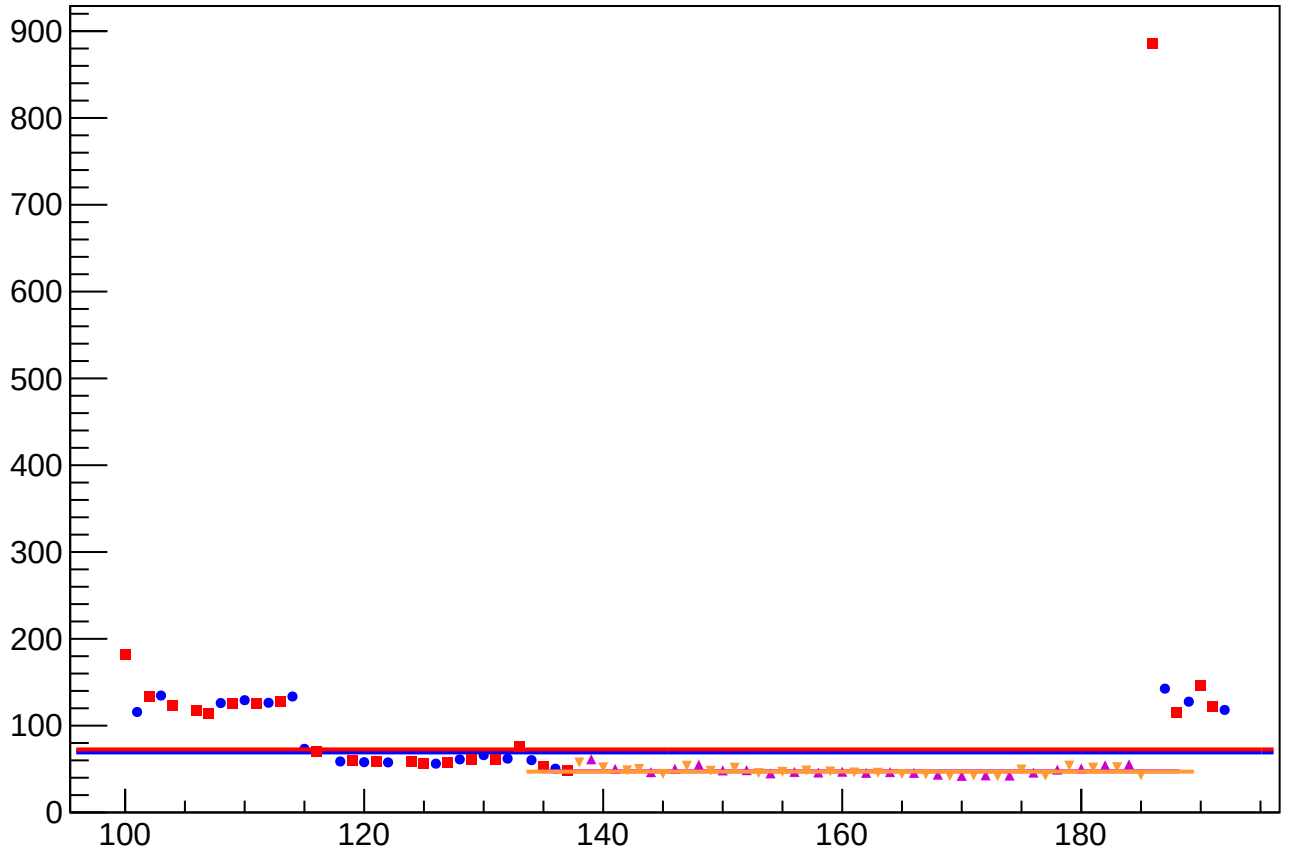
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 46.600+/-17.952 χ^2/NDF: 38.3/41

In: 43.665+/-10.174 χ^2/NDF:42.6/41

Out: 15.492+/-9.946 χ^2/NDF:59.8/47

All: 29.258+/-7.112 χ^2/NDF: 106.3/89



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: 72.587+/-0.018 χ^2/NDF: 2874311.8/22

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

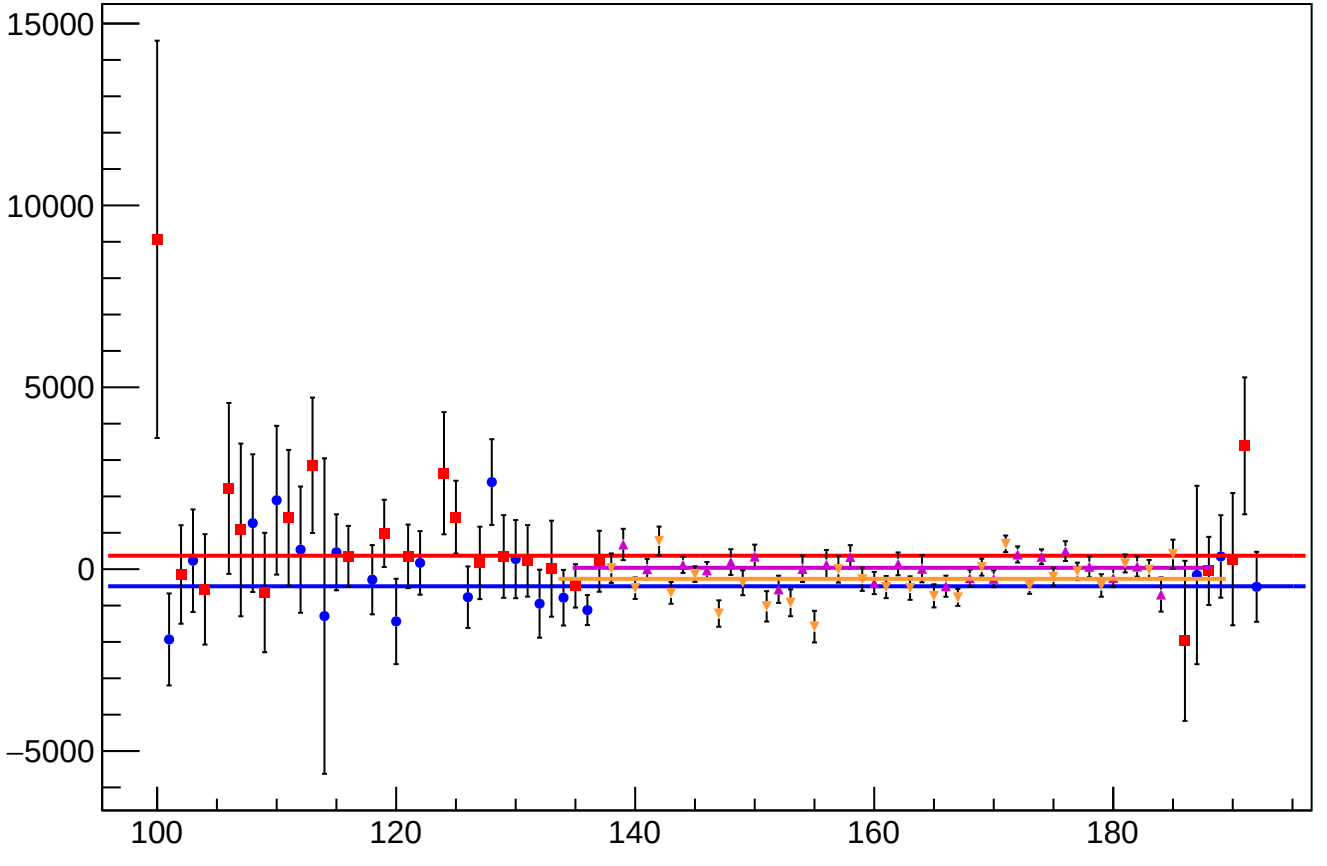
Right: 70.800+/-0.013 χ^2/NDF: 5034211.8/41

In: 51.023+/-0.007 χ^2/NDF:3687562.3/41

Out: 50.820+/-0.007 χ^2/NDF:4815040.4/47

All: 50.919+/-0.005 χ^2/NDF: 8503008.6/89

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: 369.973+/-241.547 χ^2/NDF: 15.6/22

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

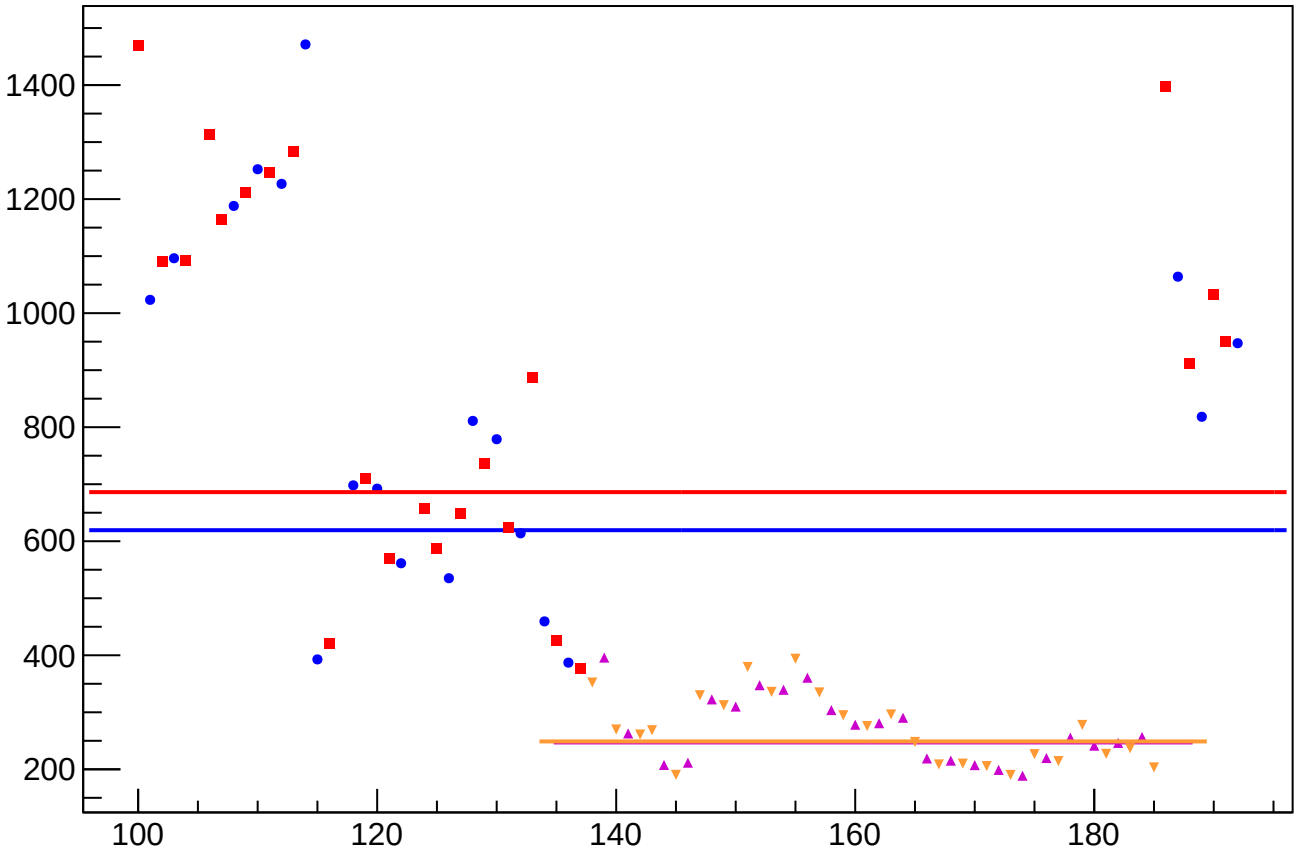
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -80.709+/-164.454 χ^2/NDF: 38.3/41

In: 4.575+/-57.207 χ^2/NDF:47.6/41

Out: -230.996+/-56.426 χ^2/NDF:92.0/47

All: -114.831+/-40.172 χ^2/NDF: 148.2/89



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: 686.129+/-0.171 χ^2/NDF: 2588421.4/22

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

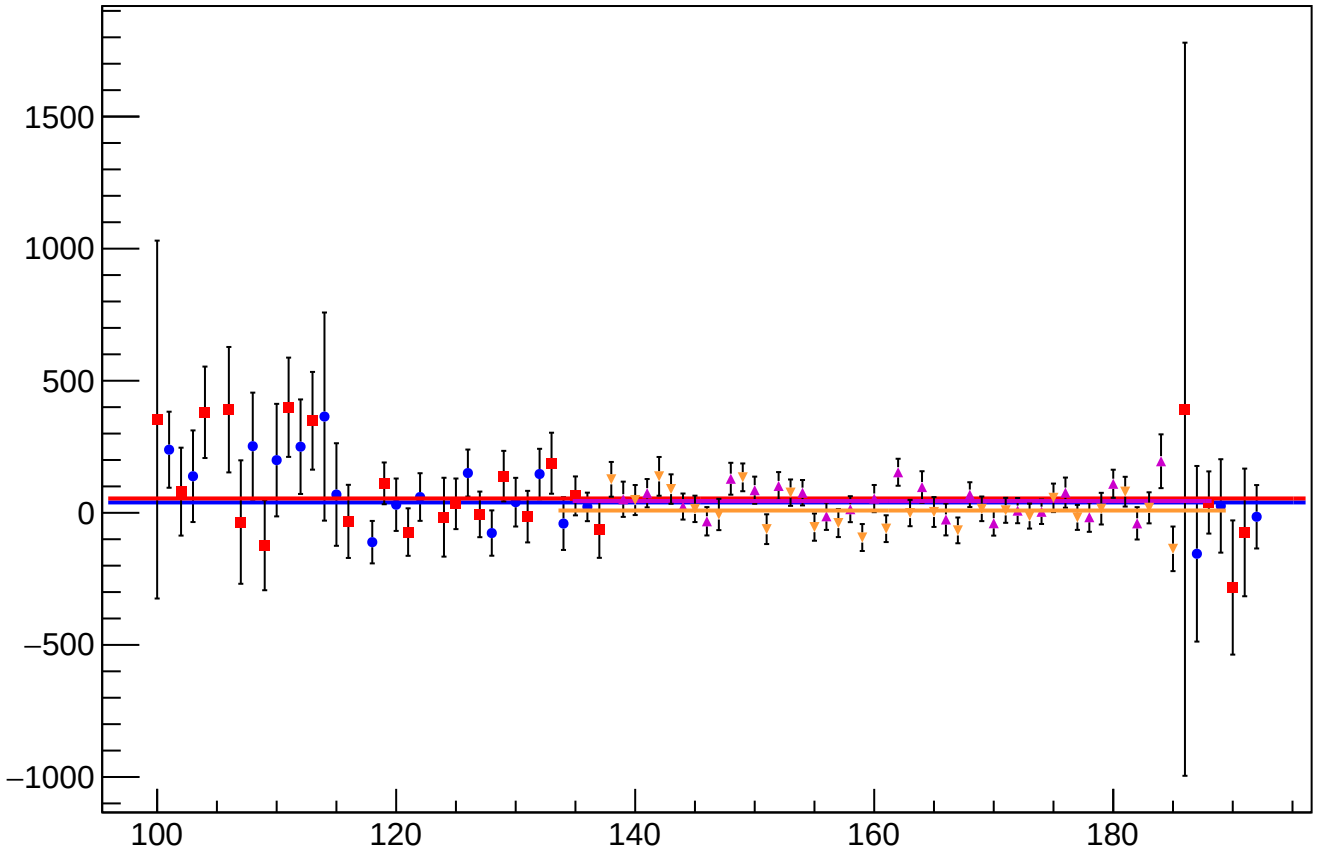
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 650.313+/-0.116 χ^2/NDF: 5121229.8/41

In: 271.275+/-0.040 χ^2/NDF:9075969.2/41

Out: 272.751+/-0.040 χ^2/NDF:10447844.9/47

All: 272.023+/-0.028 χ^2/NDF: 19524489.1/89



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: 54.389+/-25.926 χ^2/NDF: 22.5/22

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

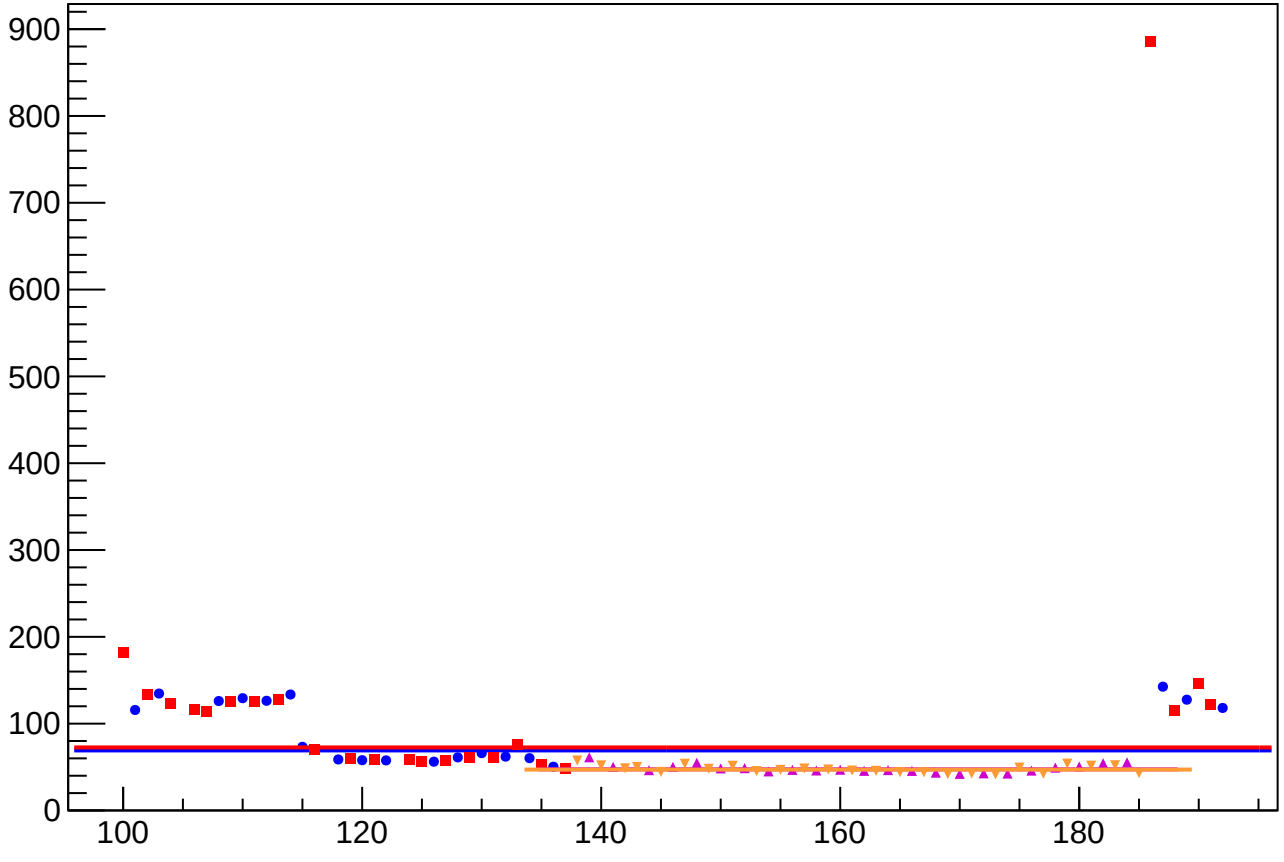
Right: 46.529+/-17.952 χ^2/NDF: 38.2/41

In: 43.662+/-10.174 χ^2/NDF:42.6/41

Out: 15.473+/-9.946 χ^2/NDF:59.7/47

All: 29.247+/-7.112 χ^2/NDF: 106.2/89

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: 72.574+/-0.018 χ^2/NDF: 2871280.9/22

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

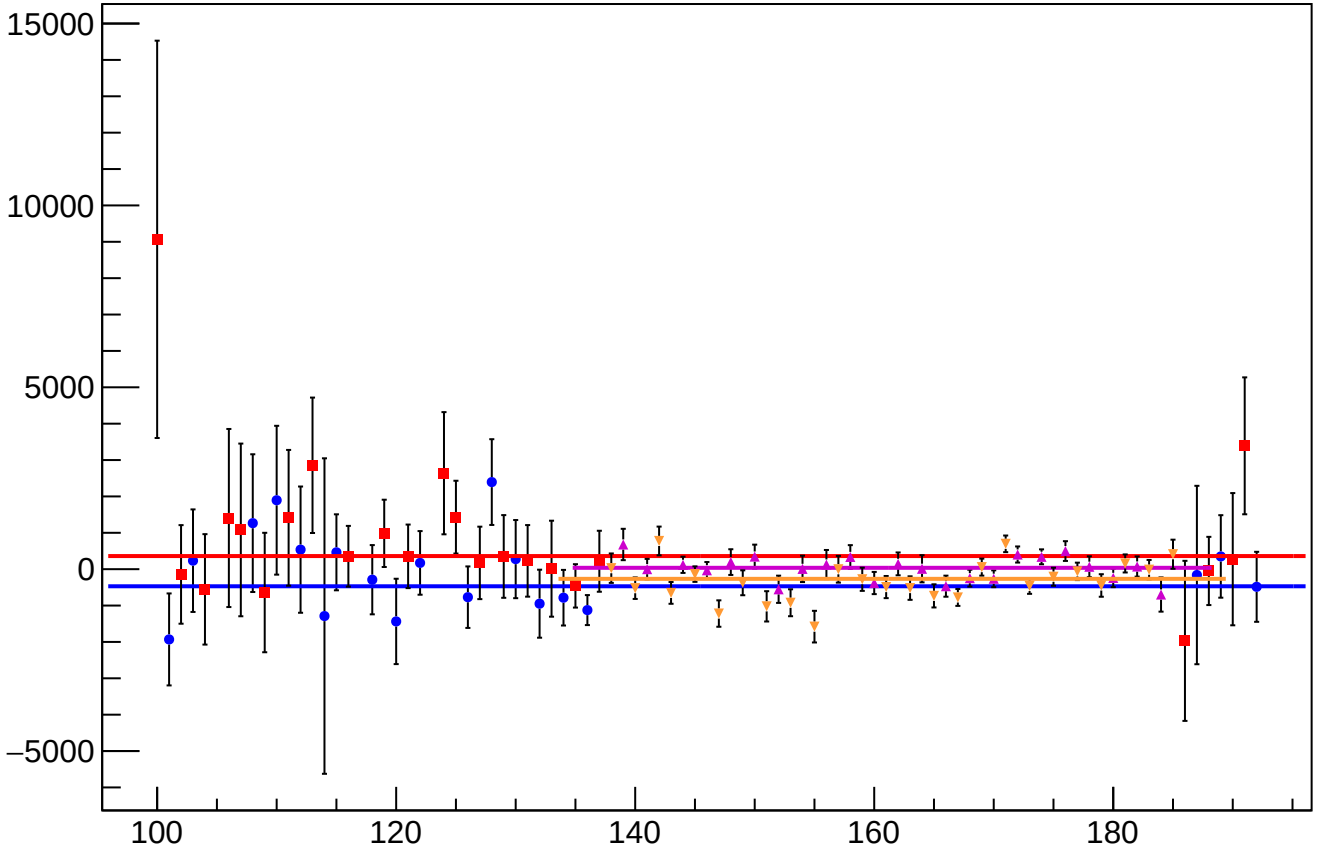
Right: 70.793+/-0.013 χ^2/NDF: 5031042.6/41

In: 51.023+/-0.007 χ^2/NDF:3687564.4/41

Out: 50.818+/-0.007 χ^2/NDF:4810225.6/47

All: 50.918+/-0.005 χ^2/NDF: 8498204.4/89

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: 360.594+/-241.653 χ^2/NDF: 15.2/22

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

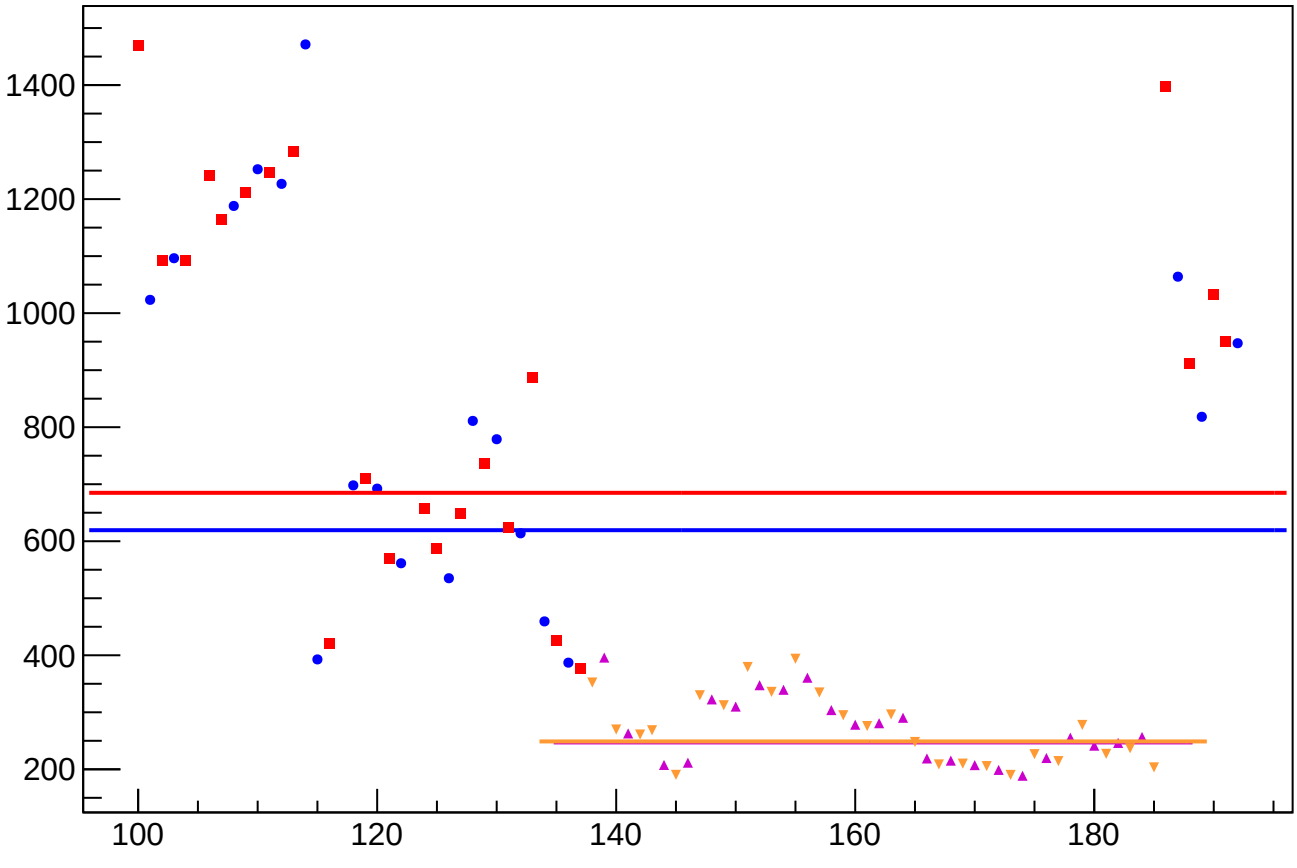
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -85.228+/-164.487 χ^2/NDF: 37.7/41

In: 4.573+/-57.207 χ^2/NDF:47.6/41

Out: -231.533+/-56.427 χ^2/NDF:91.3/47

All: -115.101+/-40.173 χ^2/NDF: 147.6/89



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: 684.913+/-0.171 χ^2/NDF: 2549220.0/22

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

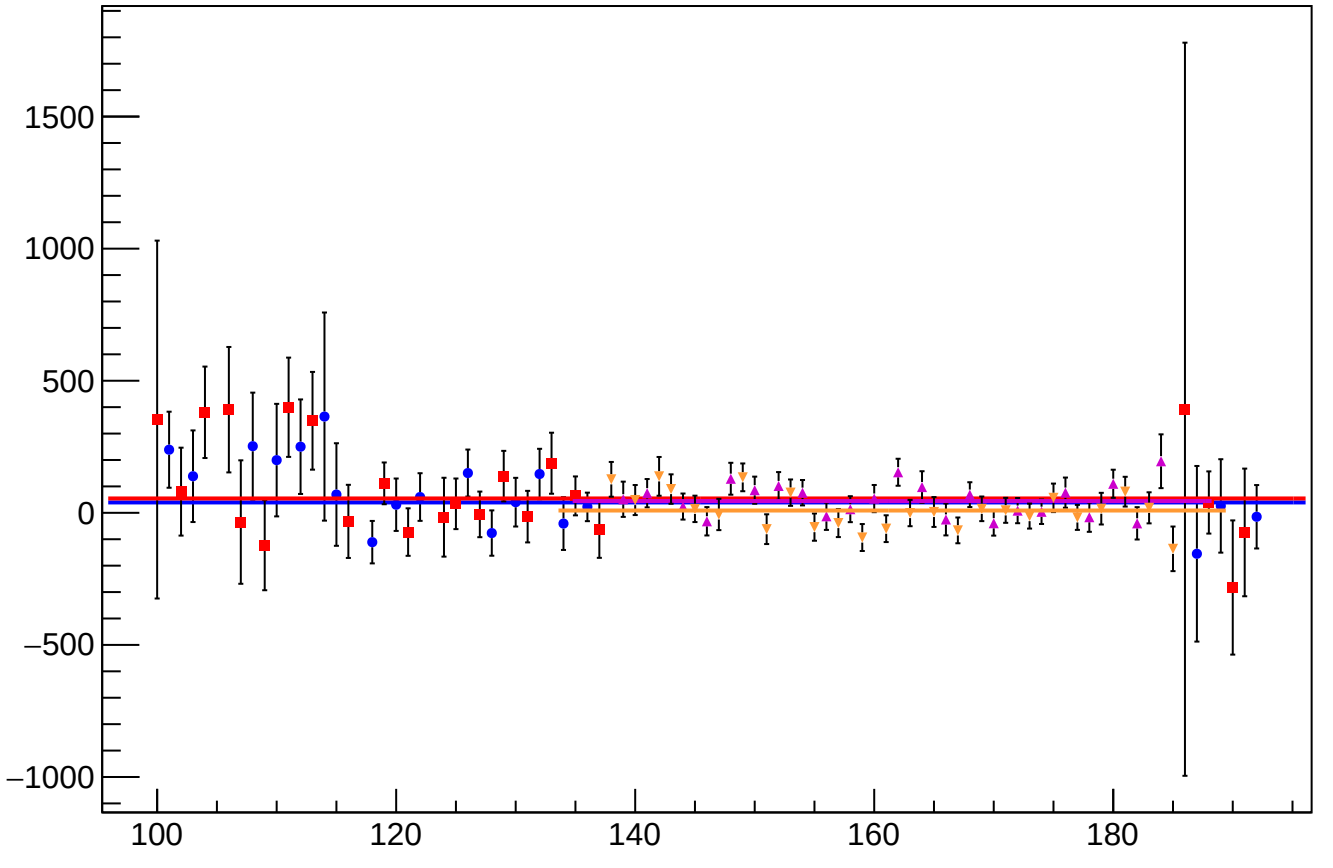
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 649.735+/-0.116 χ^2/NDF: 5079071.6/41

In: 271.275+/-0.040 χ^2/NDF:9075980.5/41

Out: 272.664+/-0.040 χ^2/NDF:10369135.1/47

All: 271.979+/-0.028 χ^2/NDF: 19445714.0/89



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: 54.389+/-25.926 χ^2/NDF: 22.5/22

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

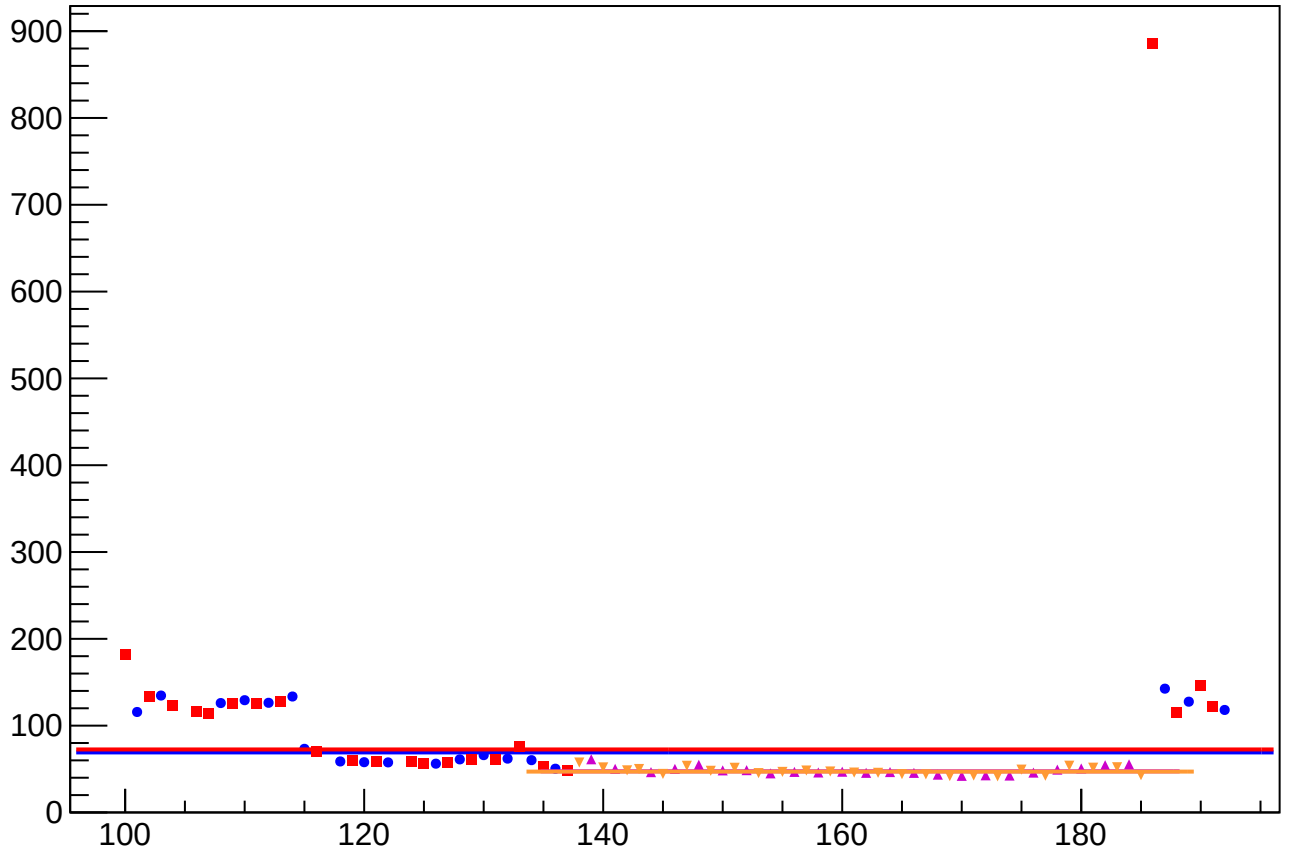
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 46.529+/-17.952 χ^2/NDF: 38.2/41

In: 43.662+/-10.174 χ^2/NDF:42.6/41

Out: 15.473+/-9.946 χ^2/NDF:59.7/47

All: 29.247+/-7.112 χ^2/NDF: 106.2/89



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: 72.574+/-0.018 χ^2/NDF: 2871280.9/22

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

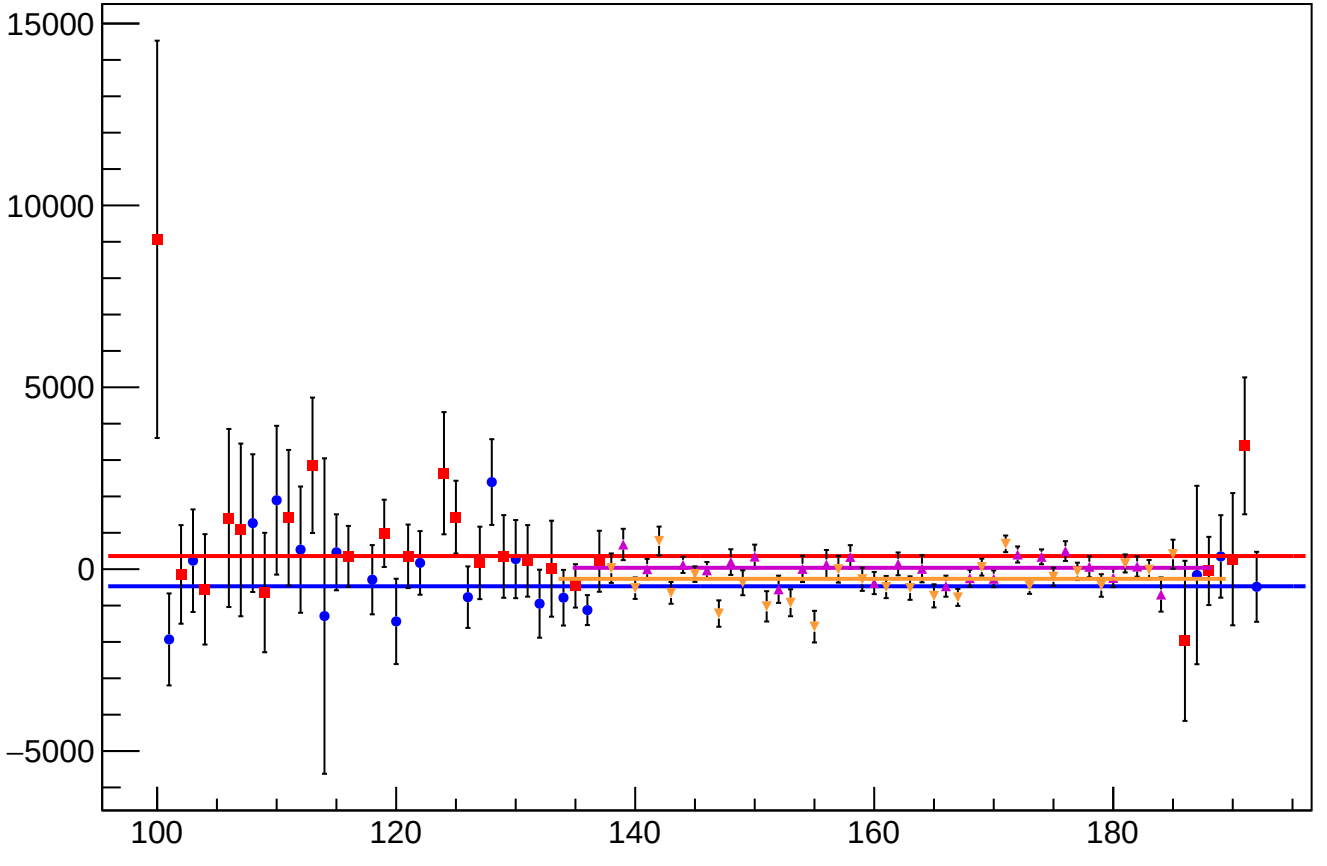
Right: 70.793+/-0.013 χ^2/NDF: 5031042.6/41

In: 51.023+/-0.007 χ^2/NDF:3687564.4/41

Out: 50.818+/-0.007 χ^2/NDF:4810225.6/47

All: 50.918+/-0.005 χ^2/NDF: 8498204.4/89

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: 360.594+/-241.653 χ^2/NDF: 15.2/22

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

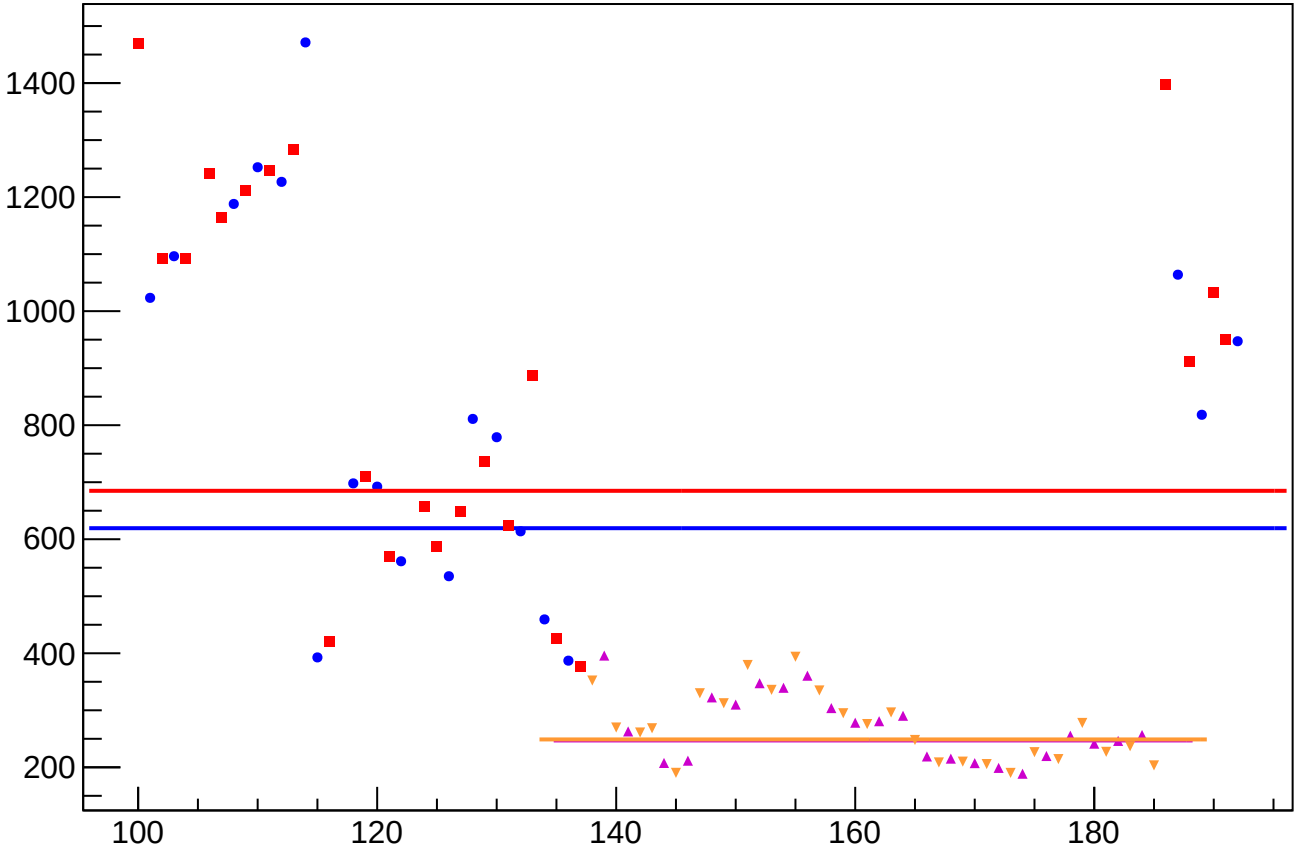
Right: -85.228+/-164.487 χ^2/NDF: 37.7/41

In: 4.573+/-57.207 χ^2/NDF:47.6/41

Out: -231.533+/-56.427 χ^2/NDF:91.3/47

All: -115.101+/-40.173 χ^2/NDF: 147.6/89

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: 684.913+/-0.171 χ^2/NDF: 2549220.0/22

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

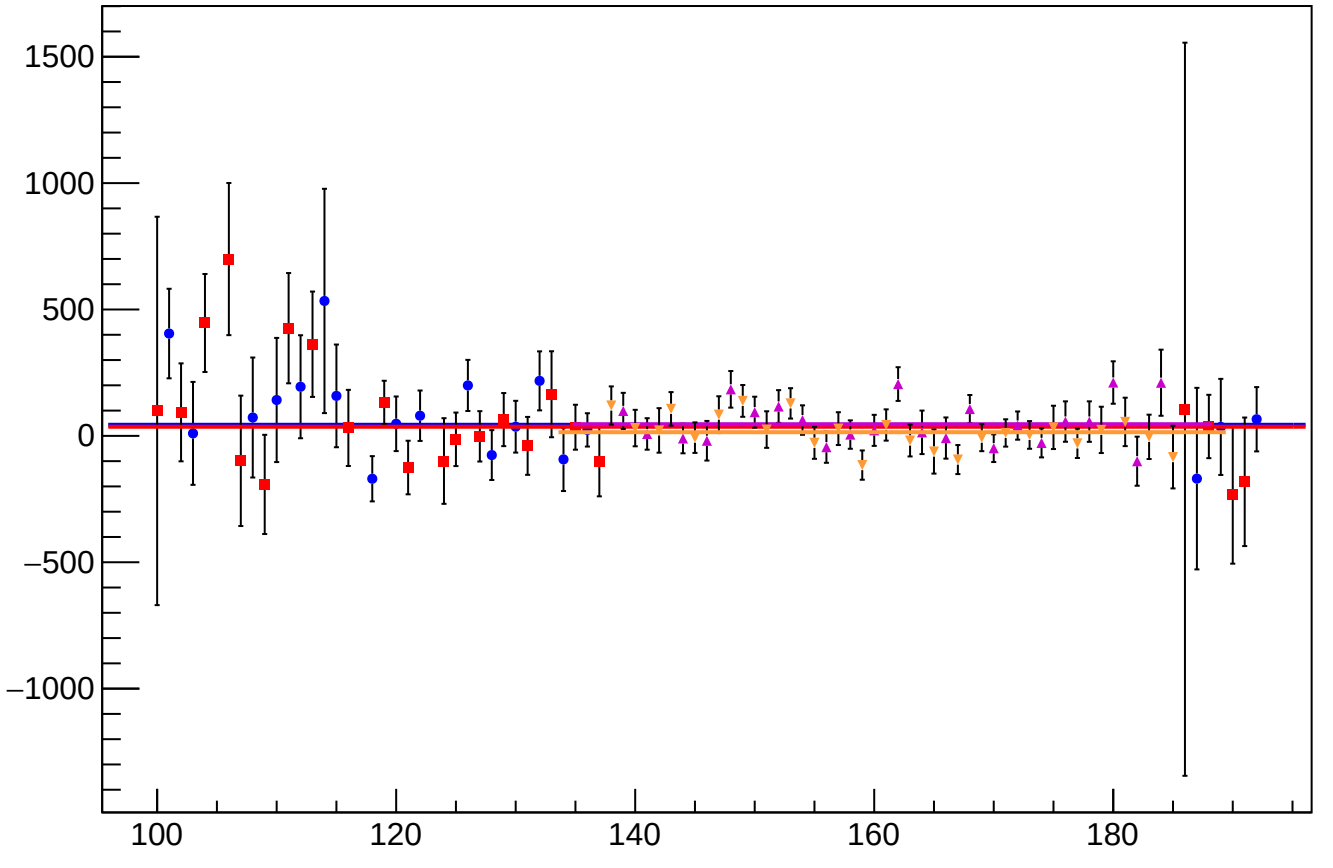
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 649.735+/-0.116 χ^2/NDF: 5079071.6/41

In: 271.275+/-0.040 χ^2/NDF:9075980.5/41

Out: 272.664+/-0.040 χ^2/NDF:10369135.1/47

All: 271.979+/-0.028 χ^2/NDF: 19445714.0/89



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: 36.155+/-29.918 χ^2/NDF: 25.0/22

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

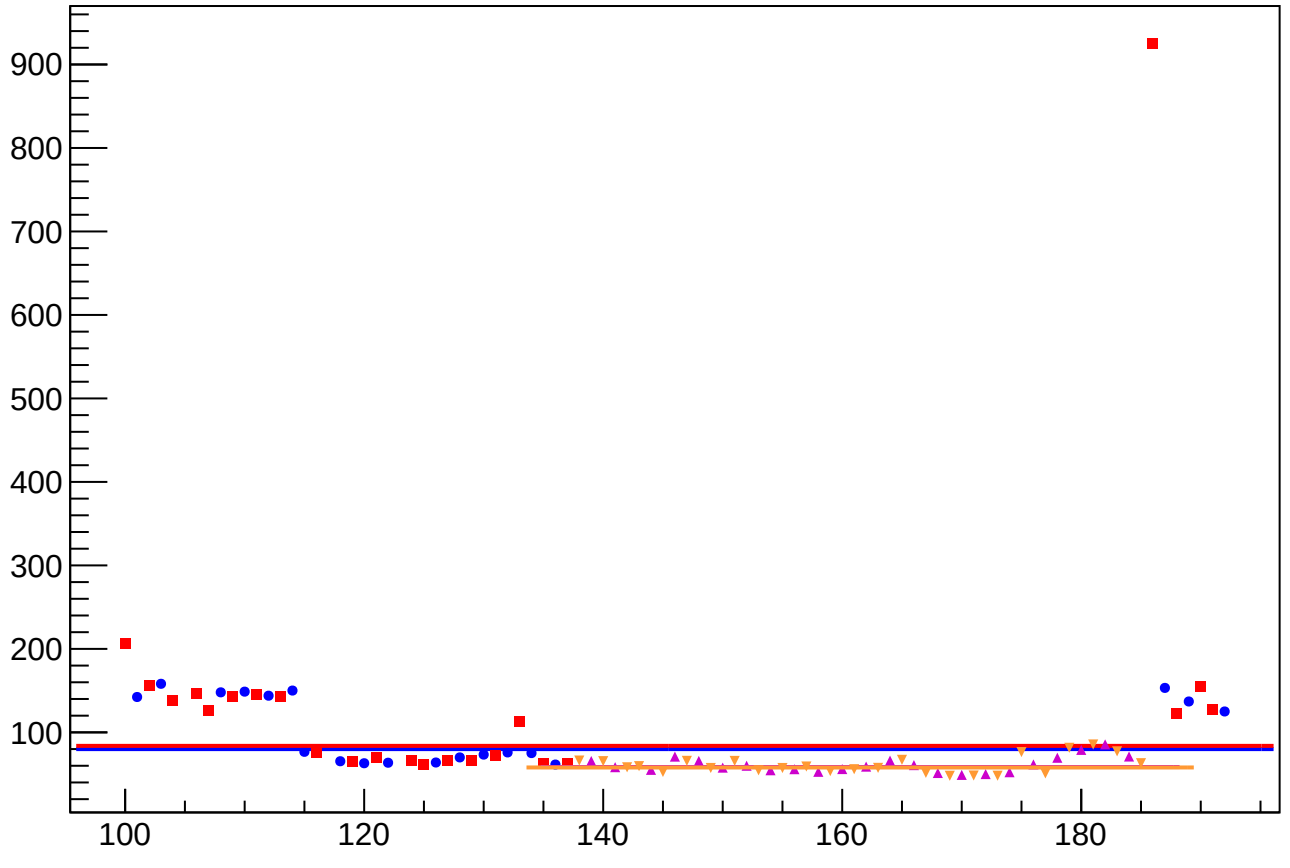
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 40.196+/-20.706 χ^2/NDF: 45.1/41

In: 45.444+/-12.532 χ^2/NDF:50.7/41

Out: 18.141+/-12.271 χ^2/NDF:50.0/47

All: 31.505+/-8.767 χ^2/NDF: 103.2/89



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: 83.834+/-0.021 χ^2/NDF: 2778457.1/22

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

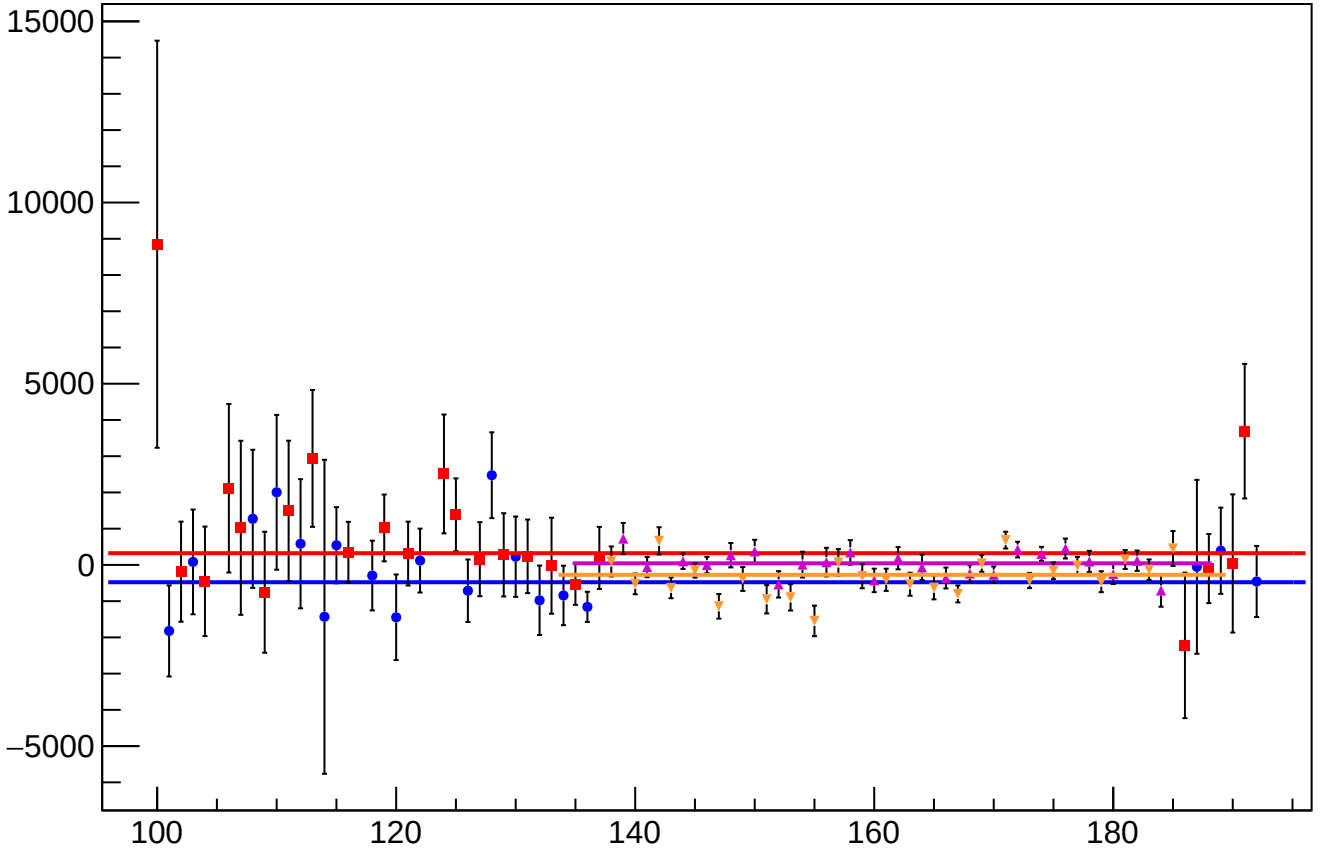
Right: 81.814+/-0.015 χ^2/NDF: 4819596.1/41

In: 62.578+/-0.009 χ^2/NDF:3580731.5/41

Out: 62.317+/-0.009 χ^2/NDF:4919143.5/47

All: 62.445+/-0.006 χ^2/NDF: 8500317.6/89

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: 323.618+/-241.844 χ^2/NDF: 17.0/22

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

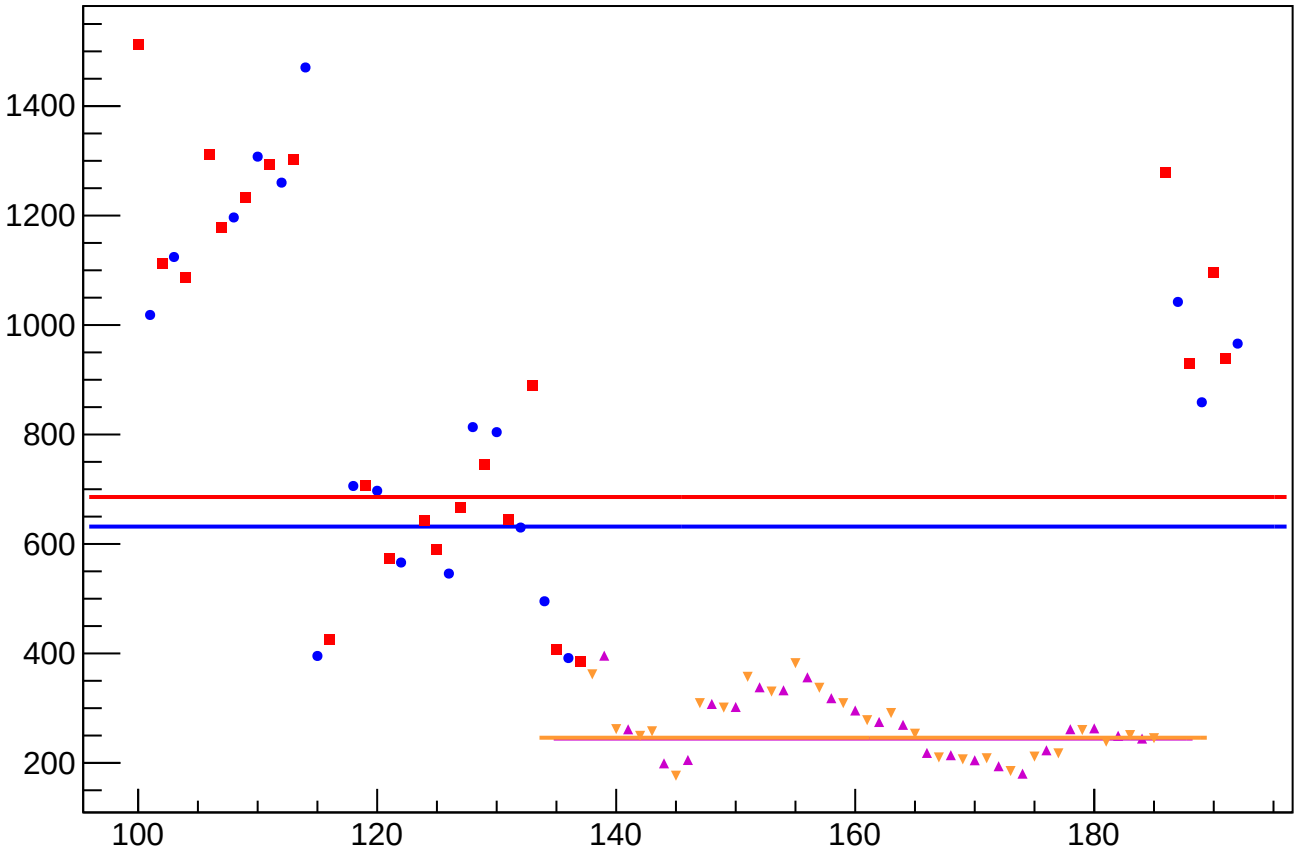
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -99.245+/-166.231 χ^2/NDF: 39.2/41

In: 12.391+/-56.782 χ^2/NDF:47.8/41

Out: -240.855+/-55.733 χ^2/NDF:88.5/47

All: -116.593+/-39.775 χ^2/NDF: 146.5/89



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: 685.798+/-0.171 χ^2/NDF: 2688225.4/22

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

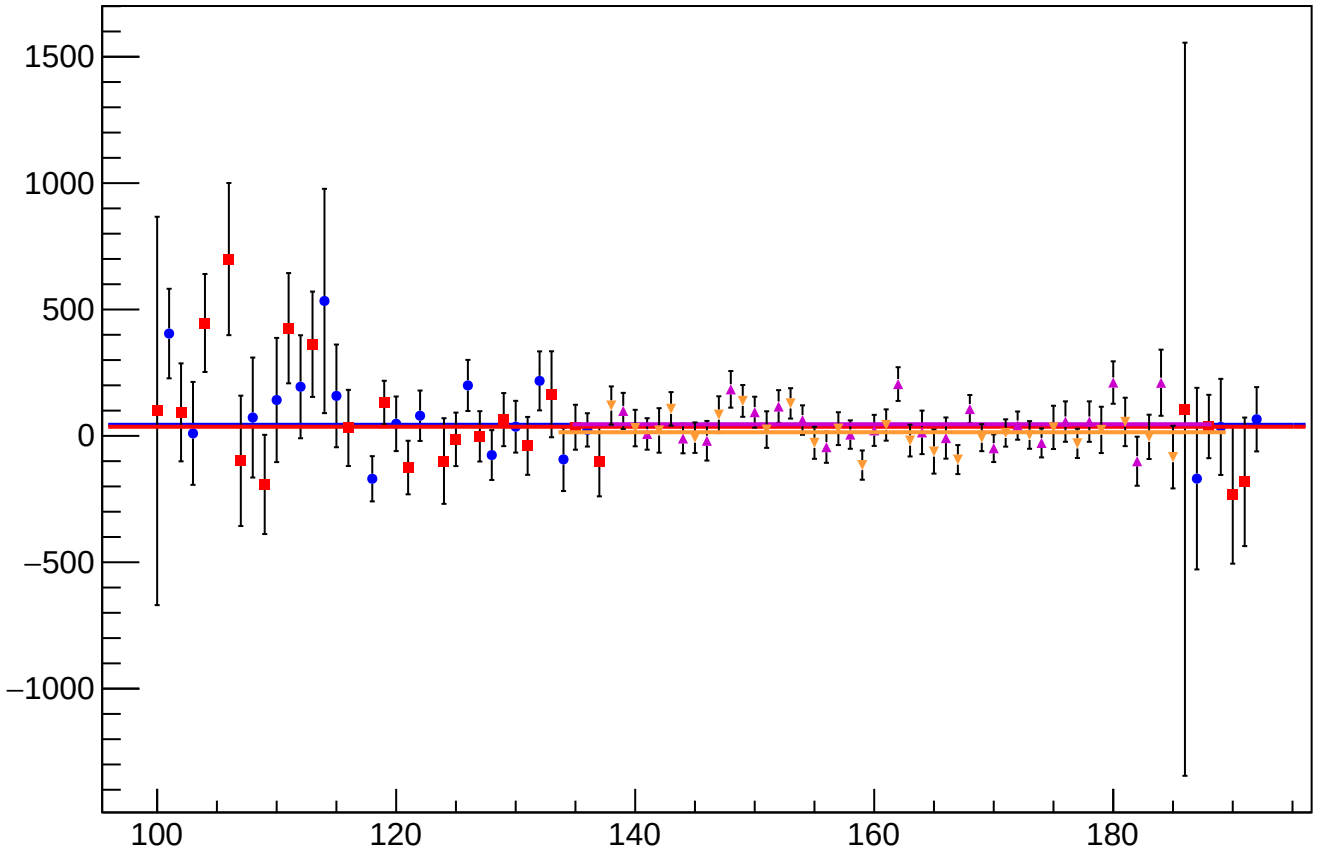
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 657.293+/-0.118 χ^2/NDF: 5191367.3/41

In: 268.291+/-0.040 χ^2/NDF:9422788.4/41

Out: 269.372+/-0.039 χ^2/NDF:10631081.9/47

All: 268.841+/-0.028 χ^2/NDF: 20054239.5/89



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: 36.155+/-29.918 χ^2/NDF: 25.0/22

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

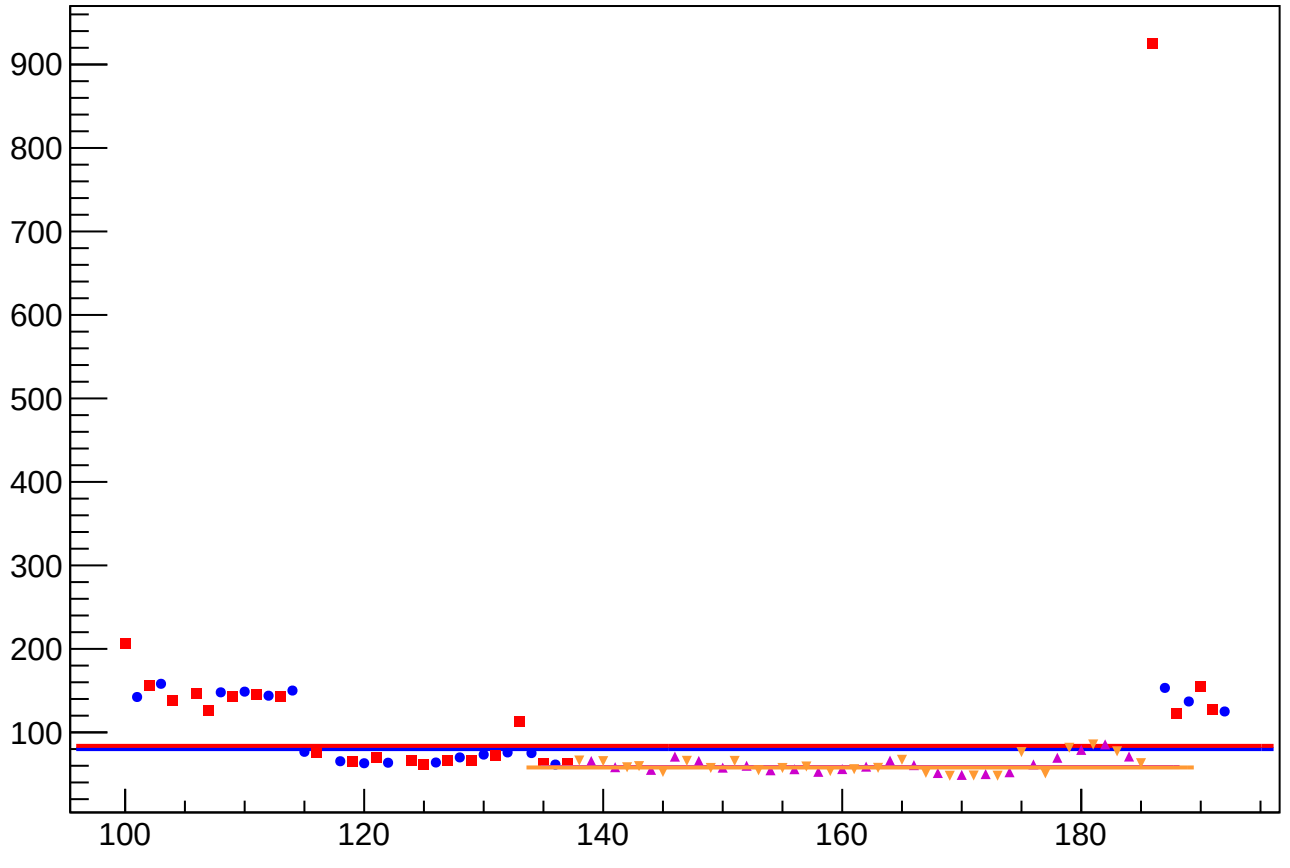
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 40.196+/-20.706 χ^2/NDF: 45.1/41

In: 45.444+/-12.532 χ^2/NDF:50.7/41

Out: 18.141+/-12.271 χ^2/NDF:50.0/47

All: 31.505+/-8.767 χ^2/NDF: 103.2/89



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: 83.834+/-0.021 χ^2/NDF: 2778456.7/22

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

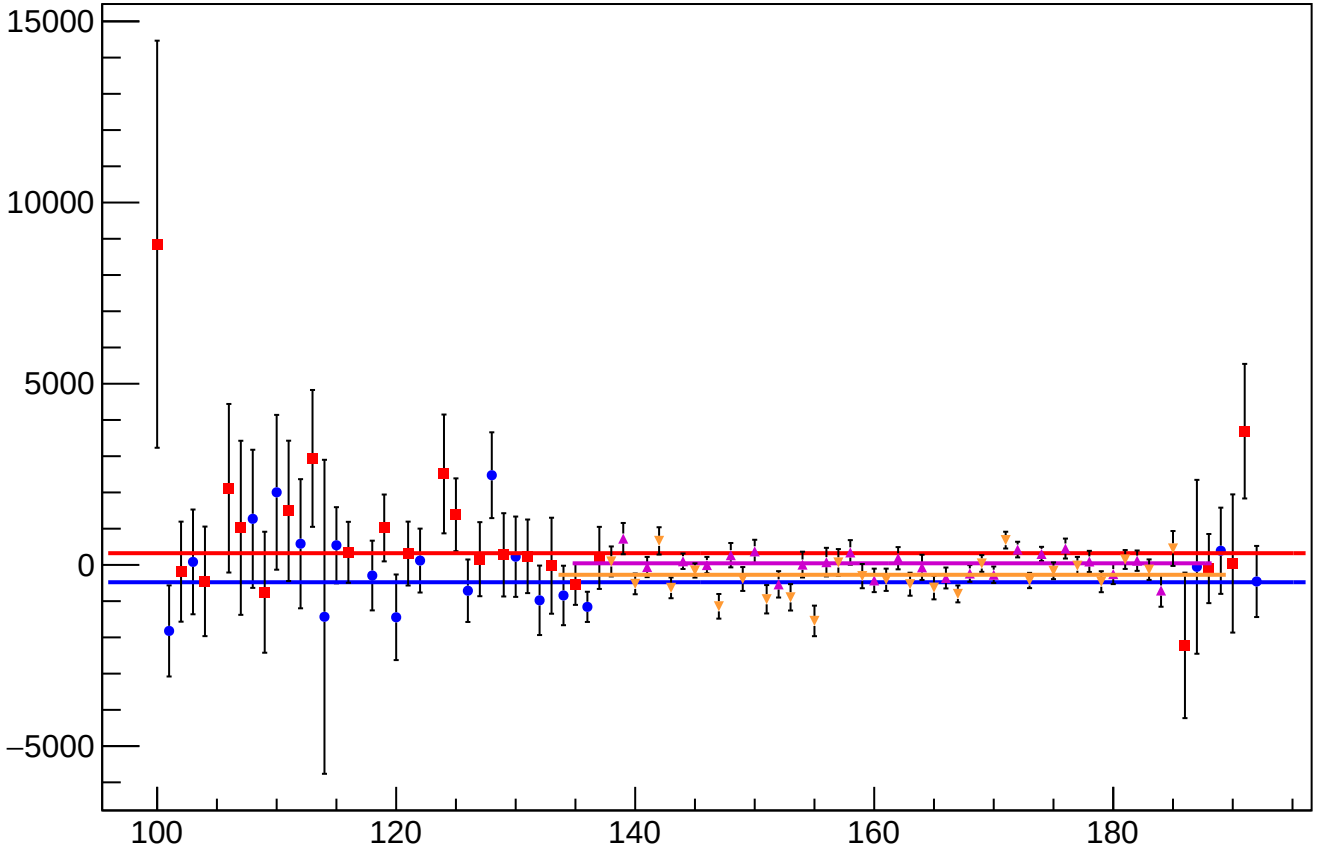
Right: 81.814+/-0.015 χ^2/NDF: 4819587.8/41

In: 62.578+/-0.009 χ^2/NDF:3580678.7/41

Out: 62.317+/-0.009 χ^2/NDF:4919117.9/47

All: 62.445+/-0.006 χ^2/NDF: 8500239.4/89

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: 323.618+/-241.844 χ^2/NDF: 17.0/22

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

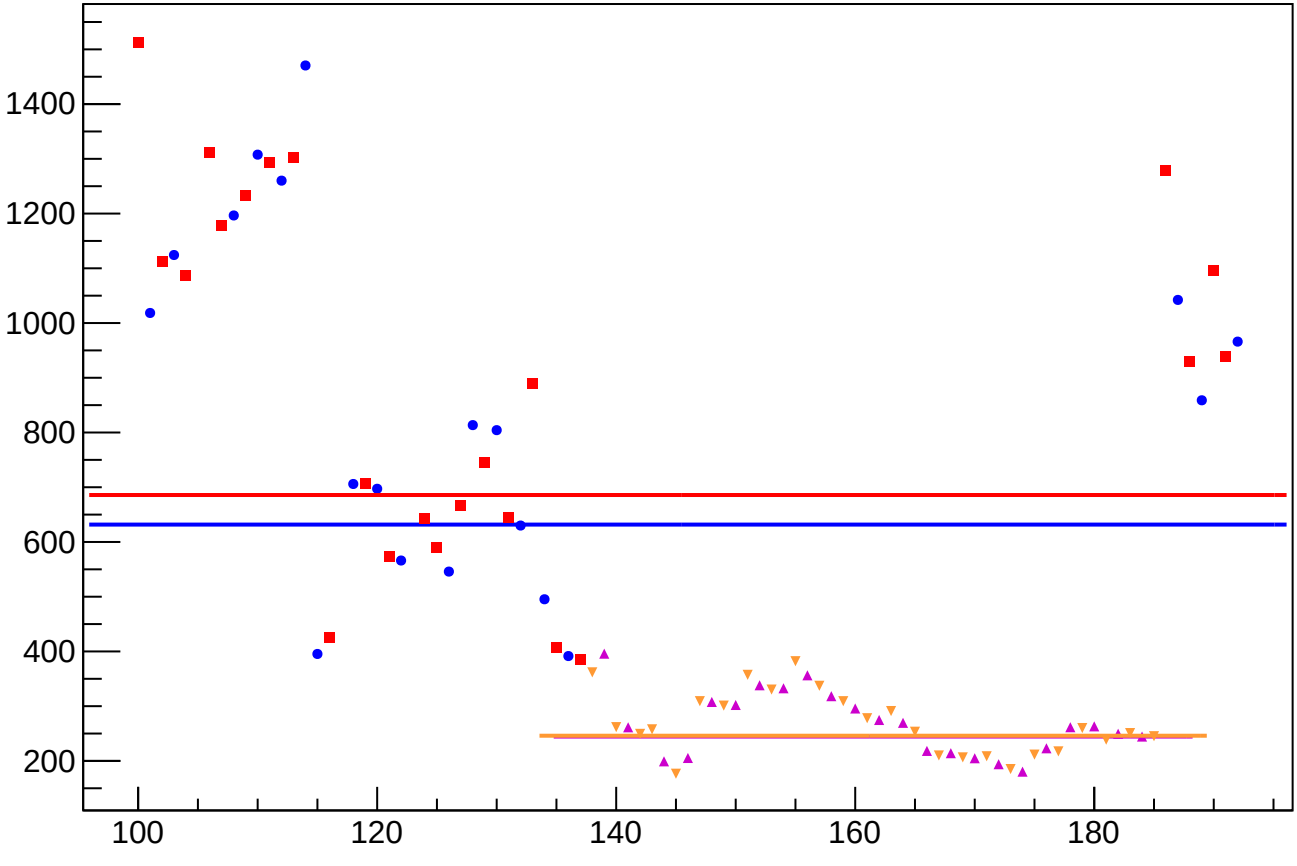
Right: -99.244+/-166.231 χ^2/NDF: 39.2/41

In: 12.391+/-56.782 χ^2/NDF:47.8/41

Out: -240.854+/-55.732 χ^2/NDF:88.5/47

All: -116.593+/-39.775 χ^2/NDF: 146.5/89

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 685.797+/-0.171 χ^2/NDF: 2688207.5/22

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

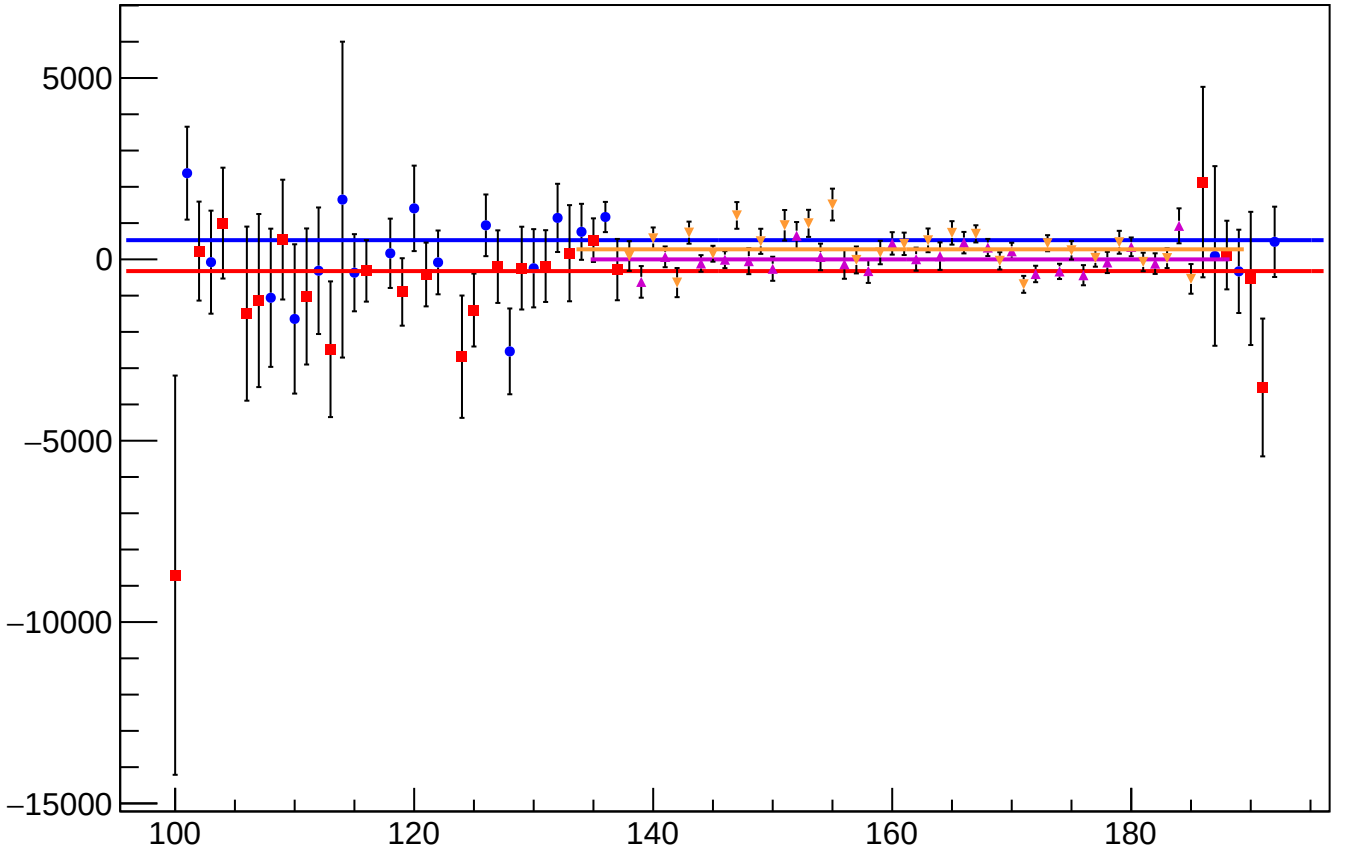
Right: 657.292+/-0.118 χ^2/NDF: 5191332.1/41

In: 268.290+/-0.040 χ^2/NDF:9422767.6/41

Out: 269.371+/-0.039 χ^2/NDF:10631079.2/47

All: 268.841+/-0.028 χ^2/NDF: 20054215.9/89

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: -323.441+/-243.750 χ^2/NDF: 15.0/22

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

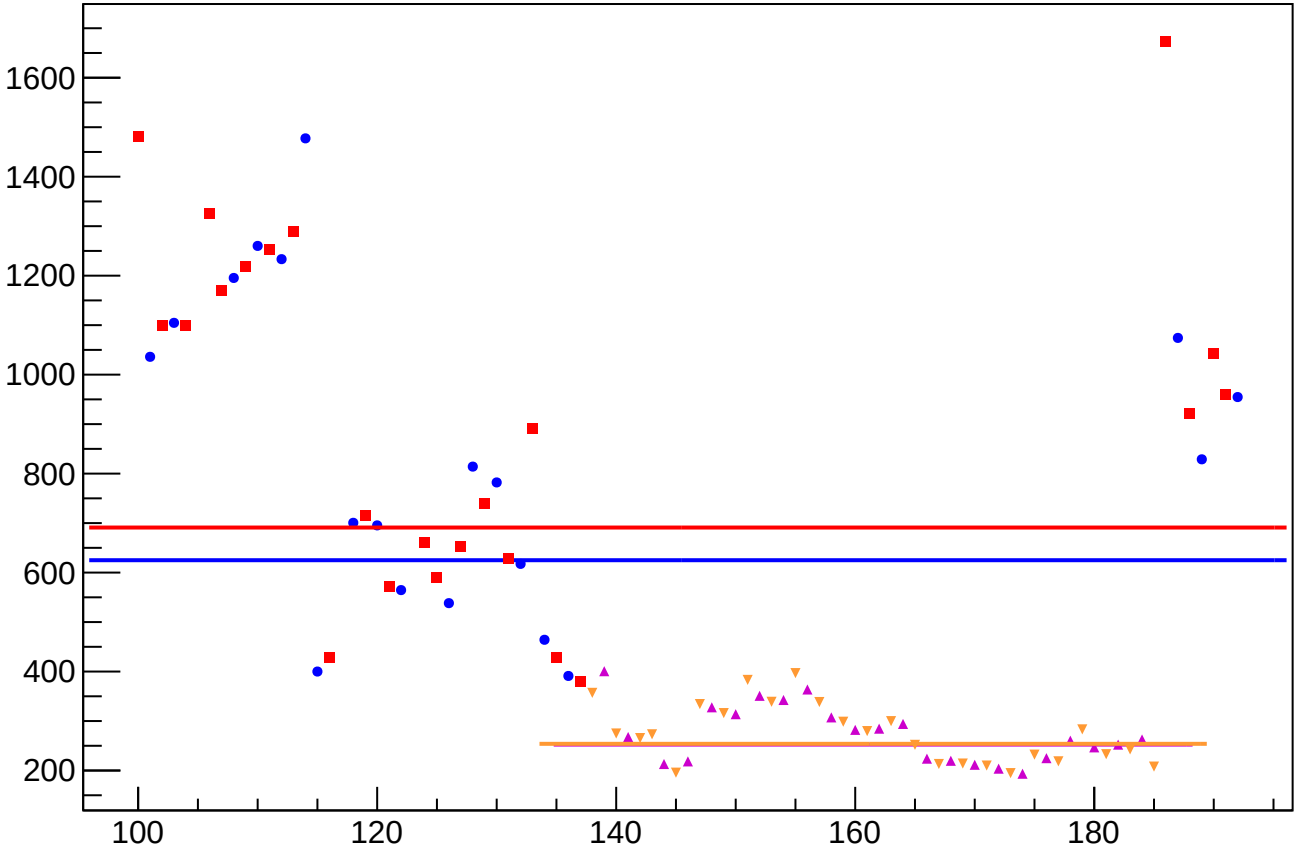
Right: 134.283+/-165.899 χ^2/NDF: 38.7/41

In: 34.592+/-58.320 χ^2/NDF:50.4/41

Out: 243.682+/-57.480 χ^2/NDF:84.8/47

All: 140.653+/-40.938 χ^2/NDF: 141.7/89

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: 691.028+/-0.172 χ^2/NDF: 2646182.0/22

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

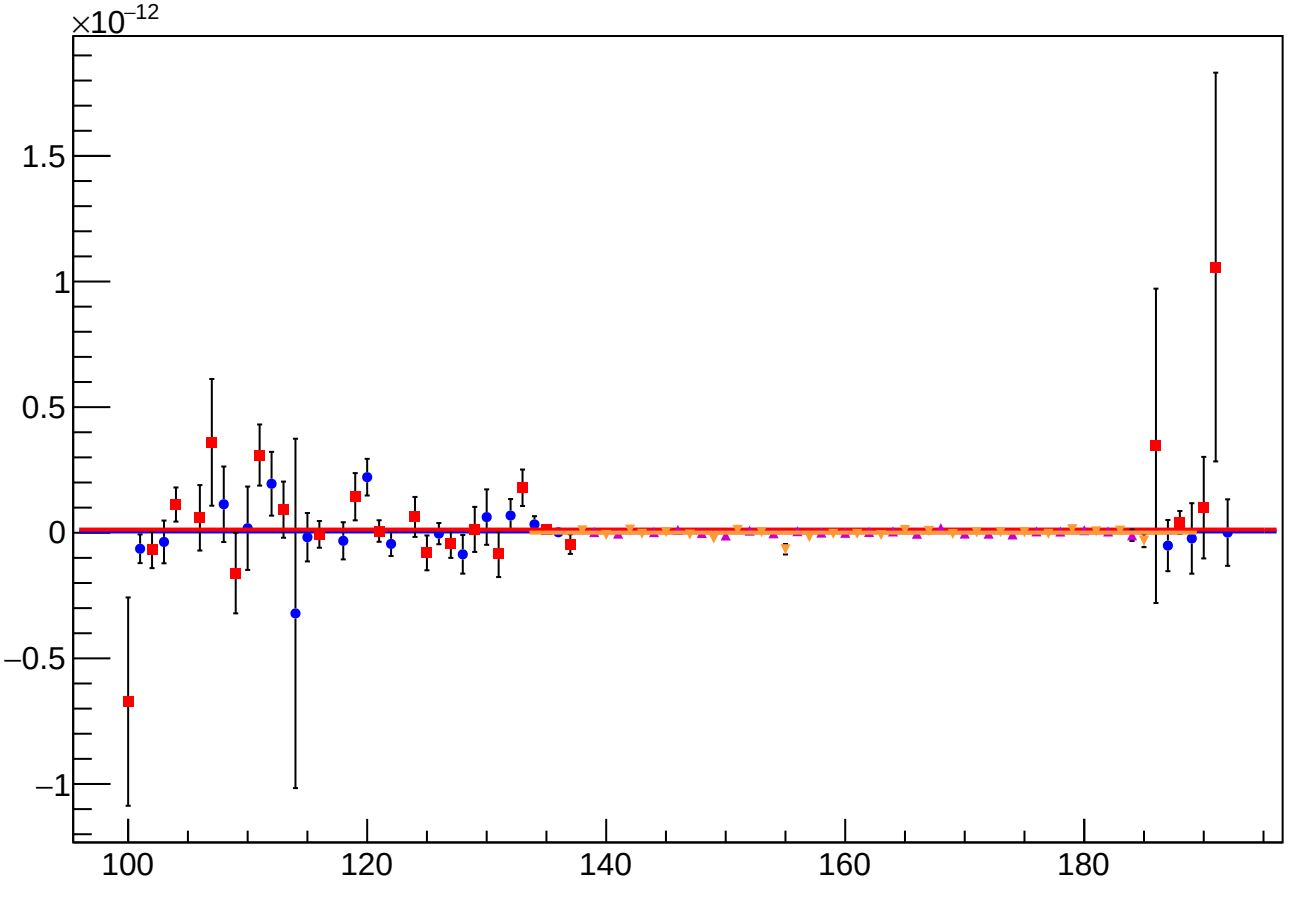
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 655.584+/-0.117 χ^2/NDF: 5158953.6/41

In: 277.106+/-0.041 χ^2/NDF:8902316.2/41

Out: 278.259+/-0.041 χ^2/NDF:10309975.8/47

All: 277.691+/-0.029 χ^2/NDF: 19212688.3/89



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: 32.2/22

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

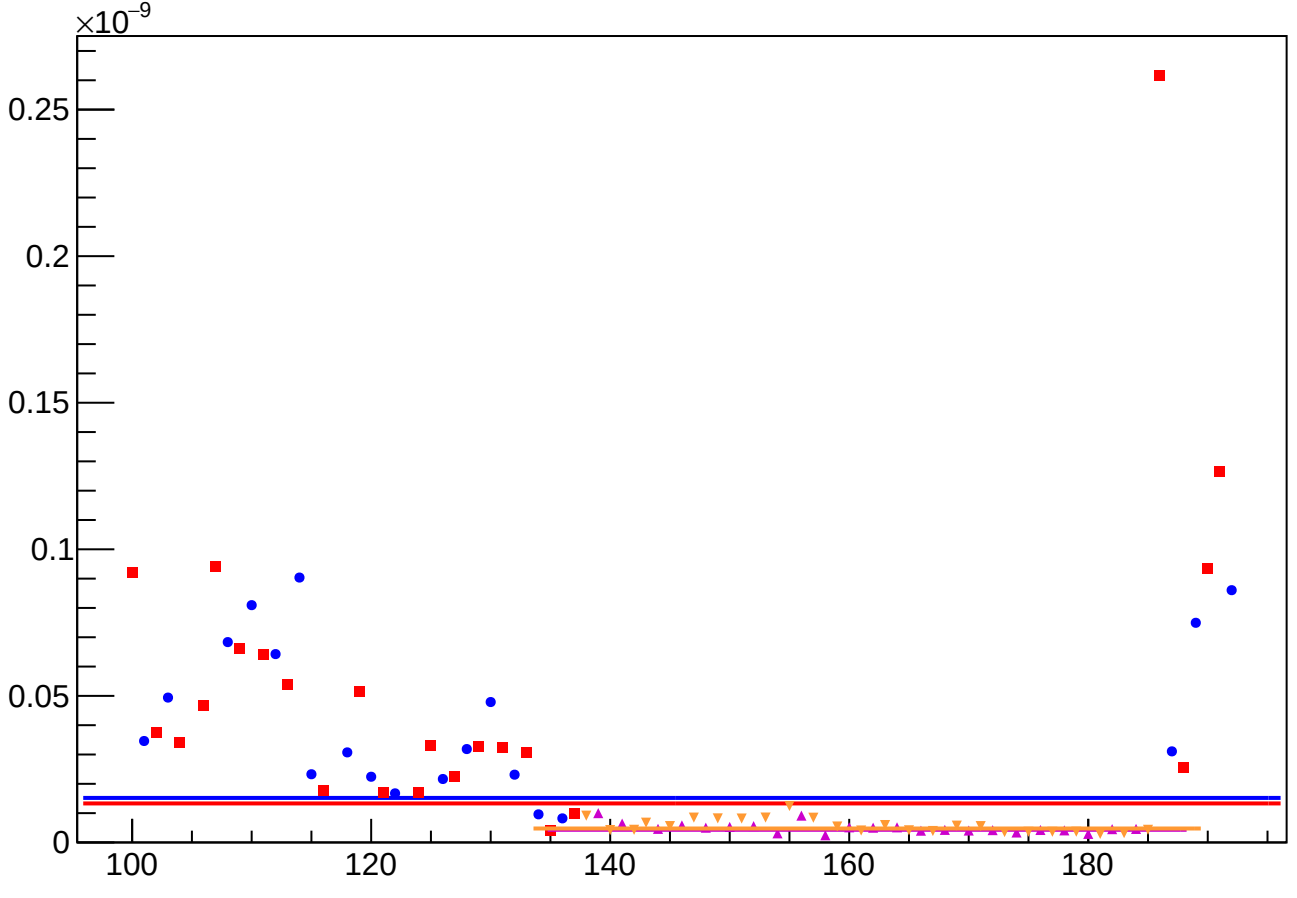
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 51.0/41

In: 0.000+/-0.000 χ^2/NDF:32.7/41

Out: 0.000+/-0.000 χ^2/NDF:60.4/47

All: 0.000+/-0.000 χ^2/NDF: 93.2/89



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: 4304538.3/22

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

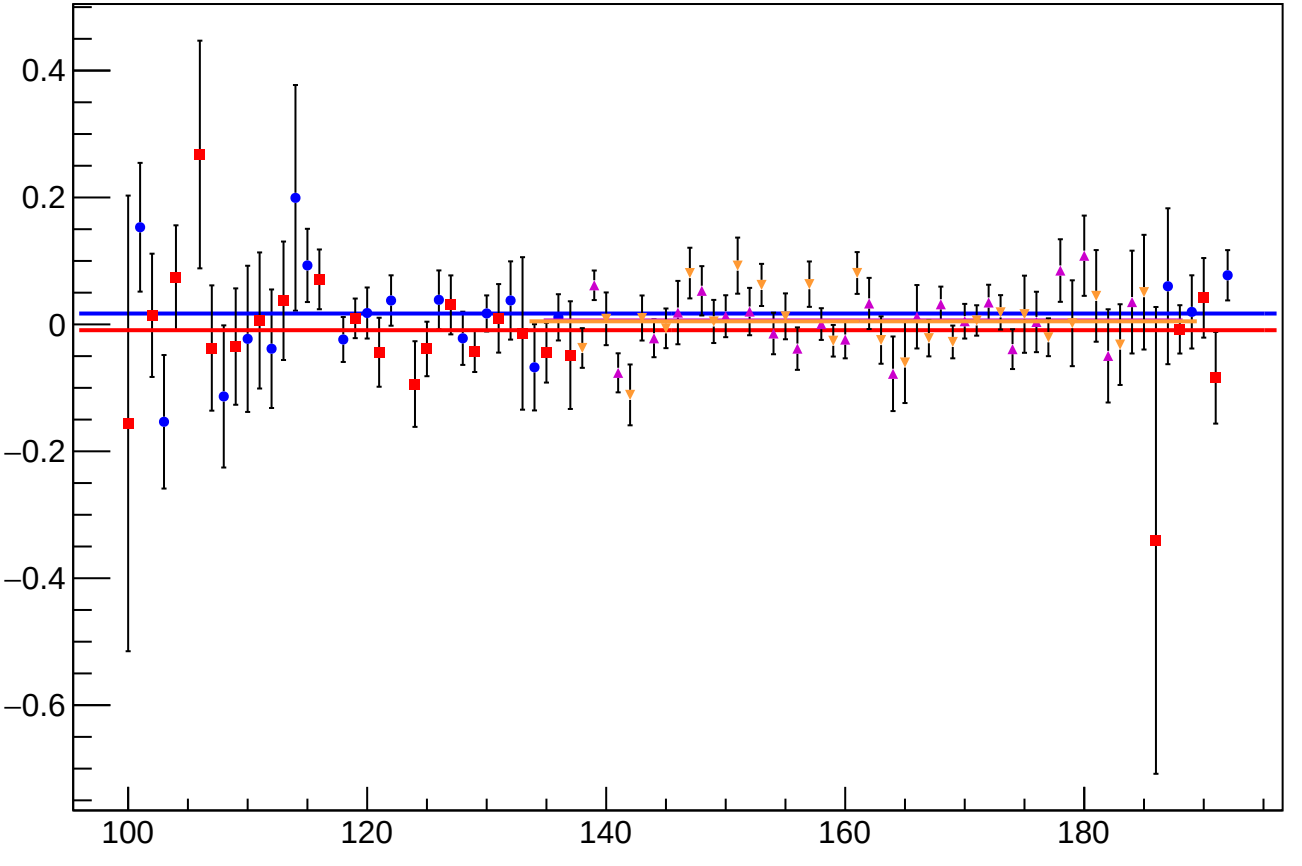
Right: 0.000+/-0.000 χ^2/NDF: 7831732.5/41

In: 0.000+/-0.000 χ^2/NDF:6593554.8/41

Out: 0.000+/-0.000 χ^2/NDF:7261694.6/47

All: 0.000+/-0.000 χ^2/NDF: 13899485.2/89

asym_sam_1526_avg_dit_vs_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: -0.009+/-0.012 χ^2/NDF: 15.0/22

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

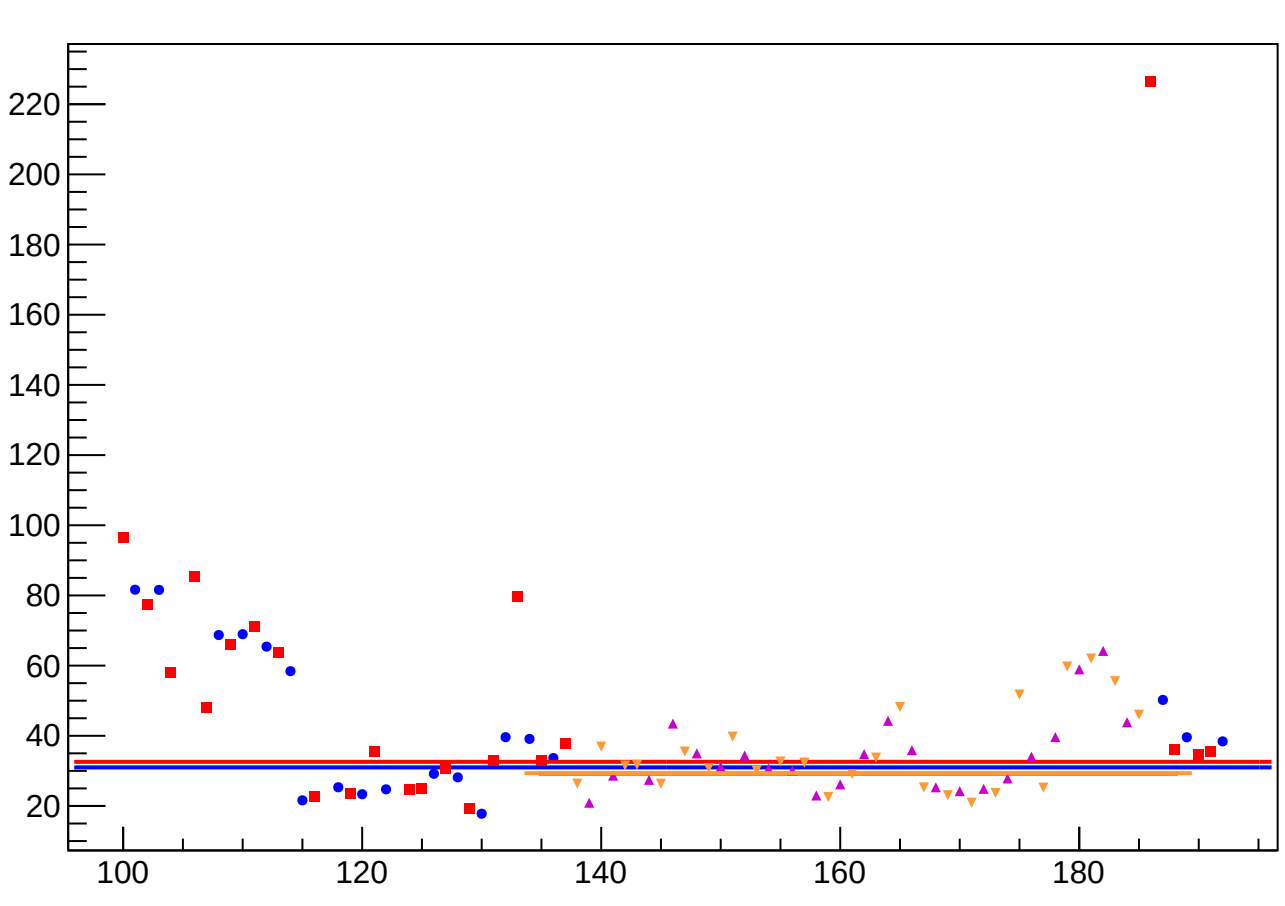
Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

Right: 0.004+/-0.008 χ^2/NDF: 33.3/41

In: 0.009+/-0.006 χ^2/NDF:47.5/41

Out: 0.001+/-0.006 χ^2/NDF:49.9/47

All: 0.005+/-0.004 χ^2/NDF: 98.3/89



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: 32.579+/-0.009 χ^2/NDF: 3238142.0/22

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

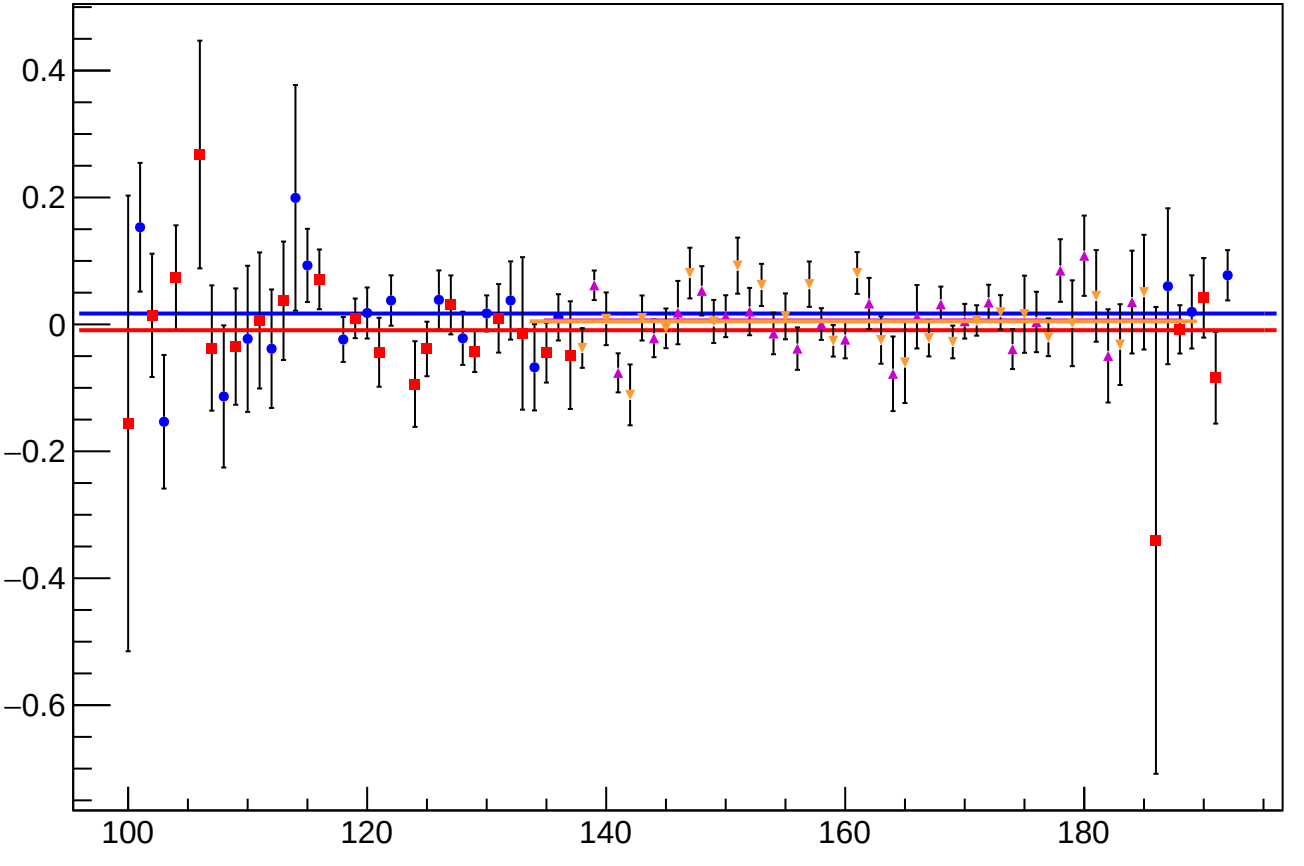
Right: 31.756+/-0.006 χ^2/NDF: 5891352.4/41

In: 29.718+/-0.004 χ^2/NDF:4765795.1/41

Out: 30.170+/-0.004 χ^2/NDF:6032219.4/47

All: 29.946+/-0.003 χ^2/NDF: 10803427.6/89

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: -0.009+/-0.012 χ^2/NDF: 15.0/22

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

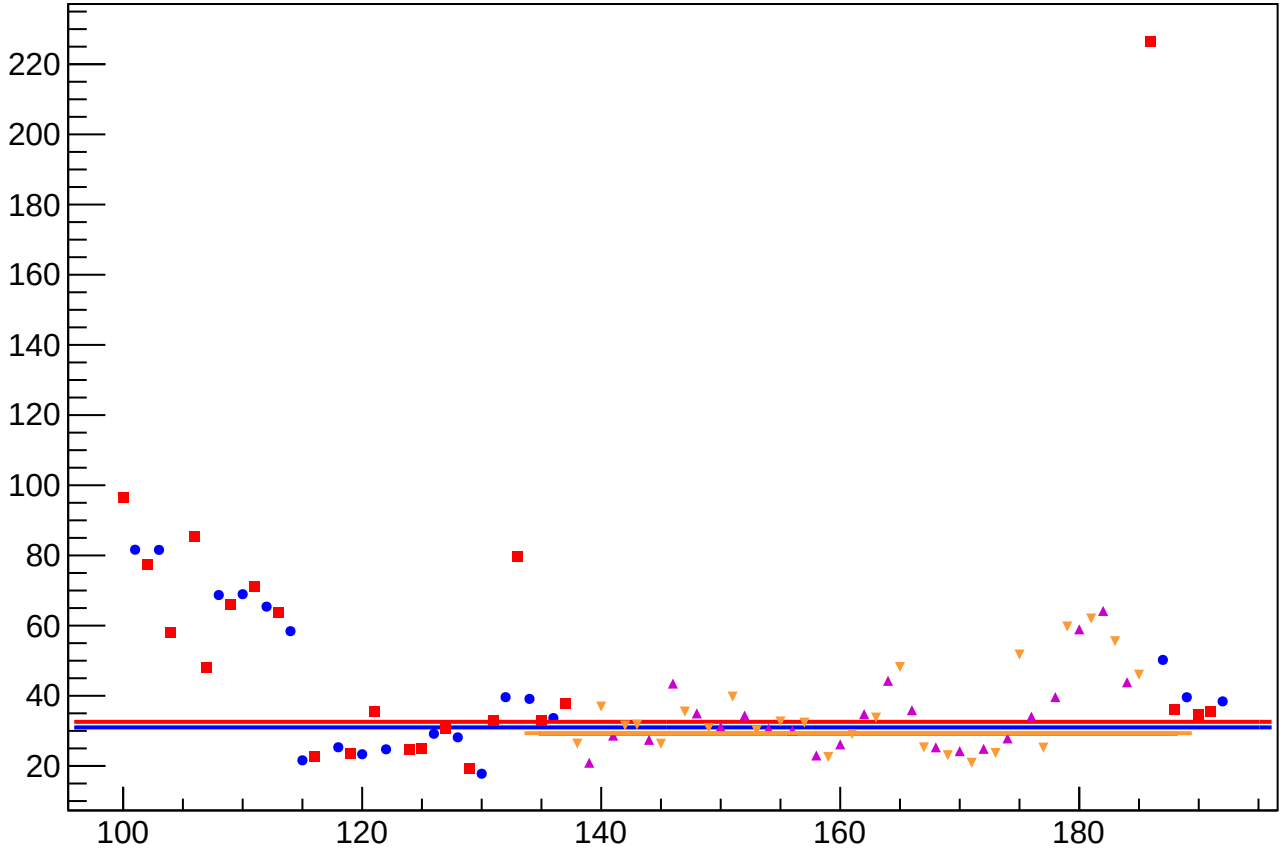
Right: 0.004+/-0.008 χ^2/NDF: 33.3/41

In: 0.009+/-0.006 χ^2/NDF:47.5/41

Out: 0.001+/-0.006 χ^2/NDF:49.9/47

All: 0.005+/-0.004 χ^2/NDF: 98.3/89

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: 32.579+/-0.009 χ^2/NDF: 3238142.0/22

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

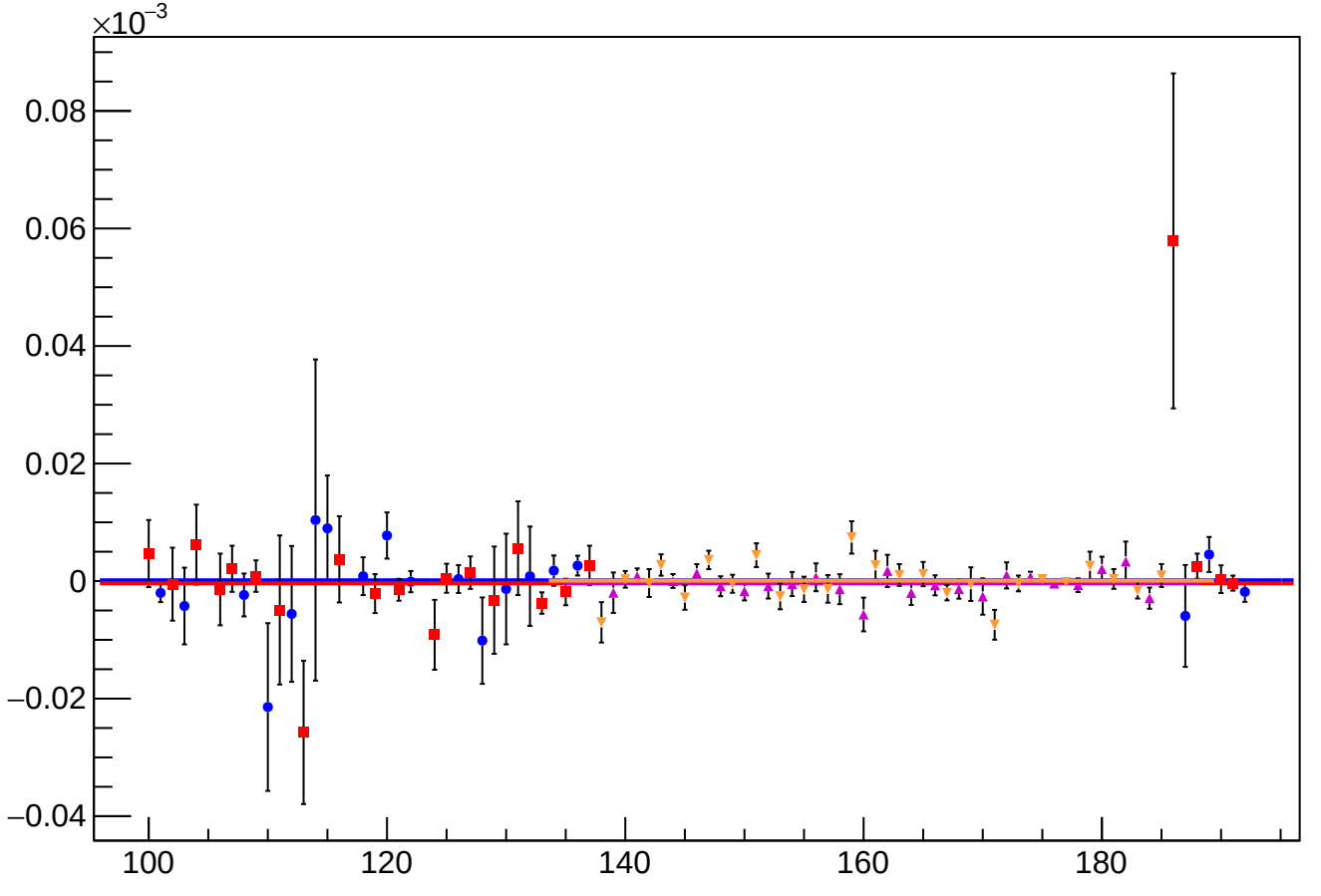
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 31.756+/-0.006 χ^2/NDF: 5891352.4/41

In: 29.718+/-0.004 χ^2/NDF:4765795.1/41

Out: 30.170+/-0.004 χ^2/NDF:6032219.4/47

All: 29.946+/-0.003 χ^2/NDF: 10803427.6/89



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: 21.9/22

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

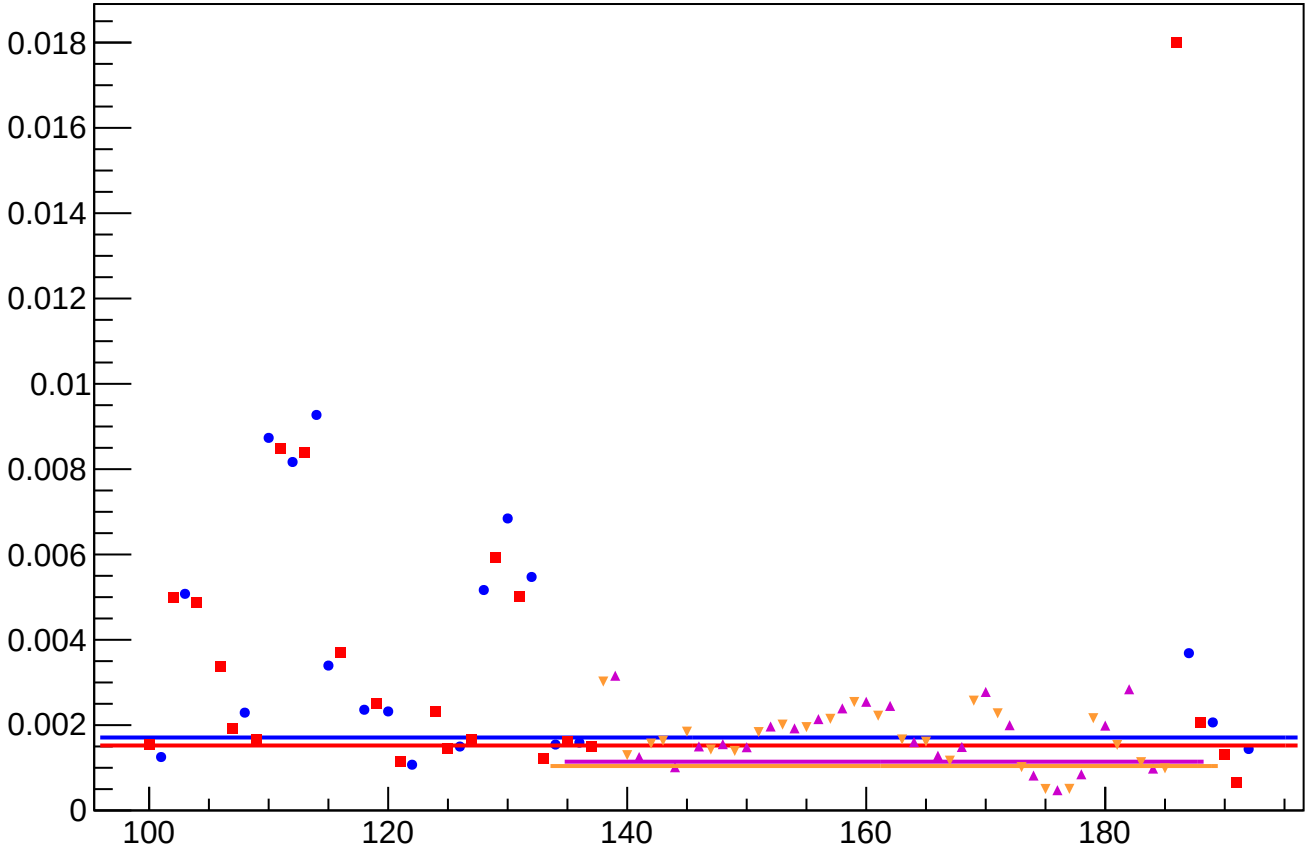
Right: -0.000+/-0.000 χ^2/NDF: 41.1/41

In: -0.000+/-0.000 χ^2/NDF:34.7/41

Out: -0.000+/-0.000 χ^2/NDF:66.1/47

All: -0.000+/-0.000 χ^2/NDF: 101.1/89

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: 5698987.4/22

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

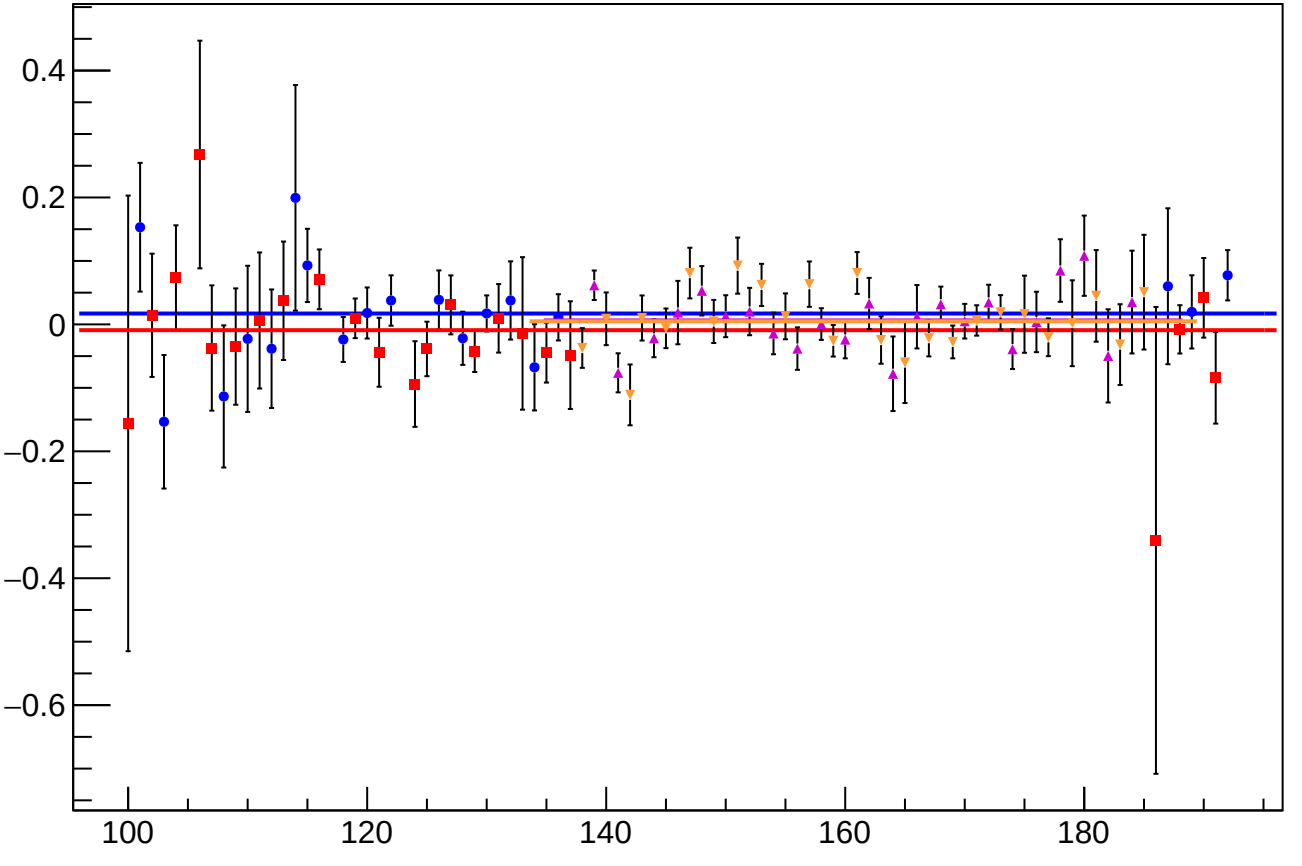
Right: 0.002+/-0.000 χ^2/NDF: 9899493.0/41

In: 0.001+/-0.000 χ^2/NDF:13571799.3/41

Out: 0.001+/-0.000 χ^2/NDF:16549629.2/47

All: 0.001+/-0.000 χ^2/NDF: 30316136.0/89

asym_sam_1526_avg_eigen_dit_vs_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: -0.009+/-0.012 χ^2/NDF: 15.0/22

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

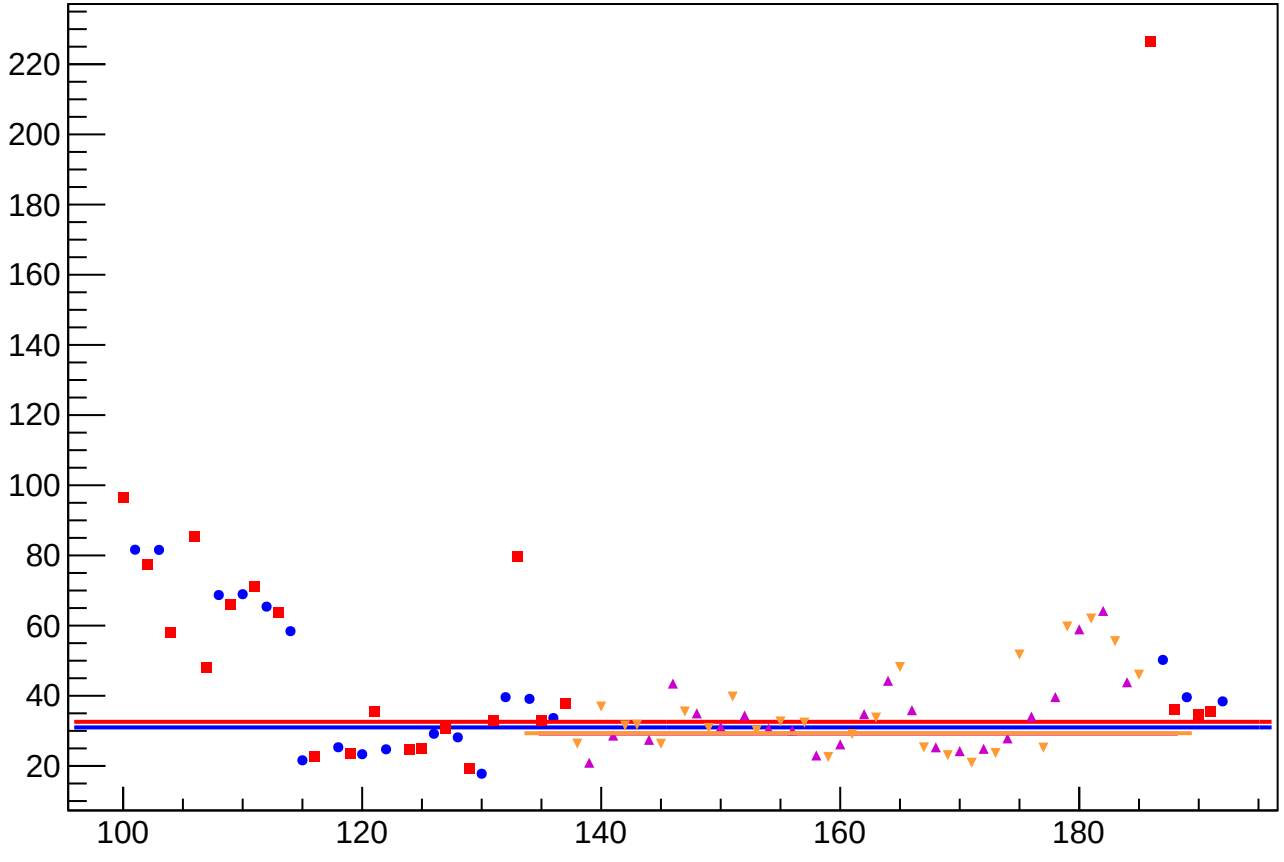
Right: 0.004+/-0.008 χ^2/NDF: 33.3/41

In: 0.009+/-0.006 χ^2/NDF:47.5/41

Out: 0.001+/-0.006 χ^2/NDF:50.0/47

All: 0.005+/-0.004 χ^2/NDF: 98.3/89

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: 32.578+/-0.009 χ^2/NDF: 3238342.0/22

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

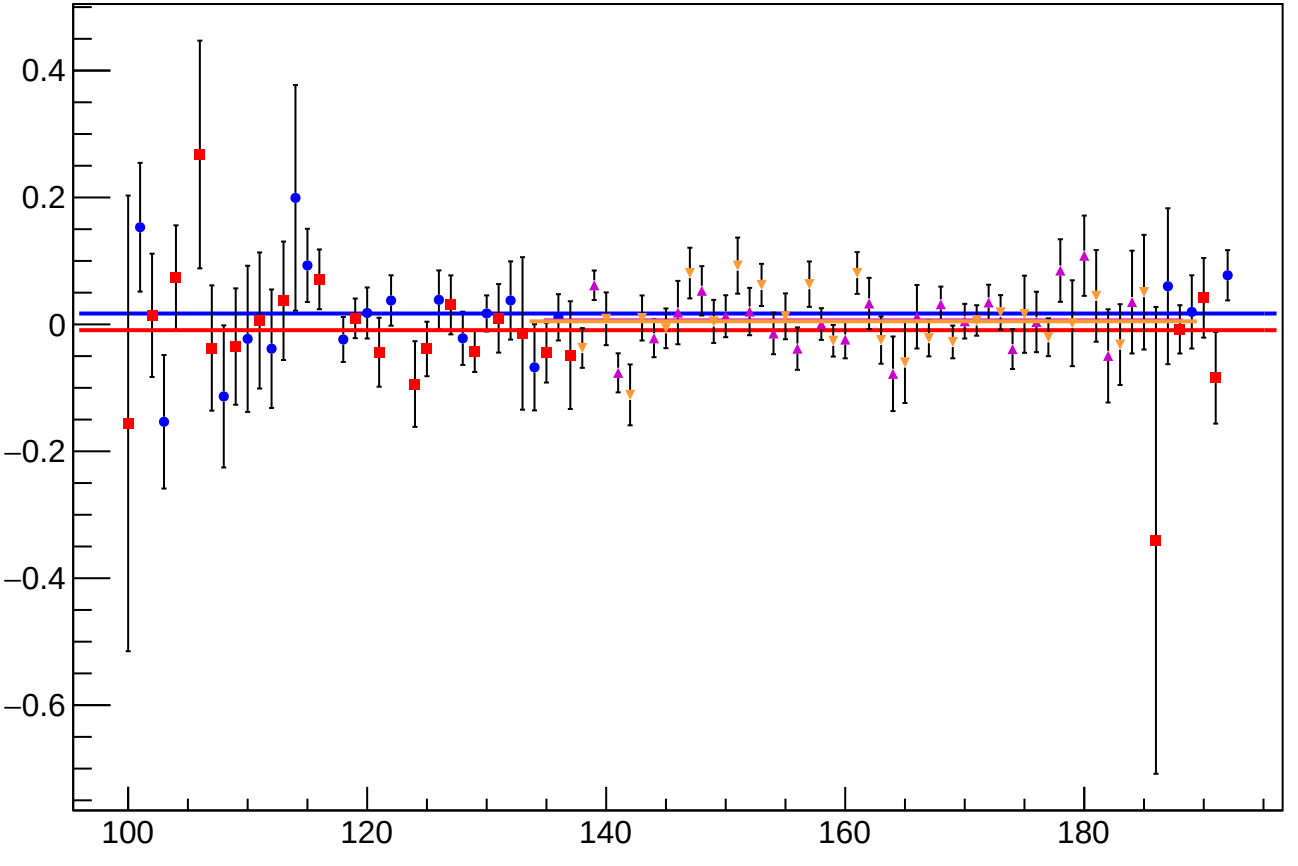
Right: 31.754+/-0.006 χ^2/NDF: 5891810.8/41

In: 29.718+/-0.004 χ^2/NDF:4765957.1/41

Out: 30.170+/-0.004 χ^2/NDF:6032382.8/47

All: 29.946+/-0.003 χ^2/NDF: 10803750.7/89

asym_sam_1526_avg_eigen_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: -0.009+/-0.012 χ^2/NDF: 15.0/22

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

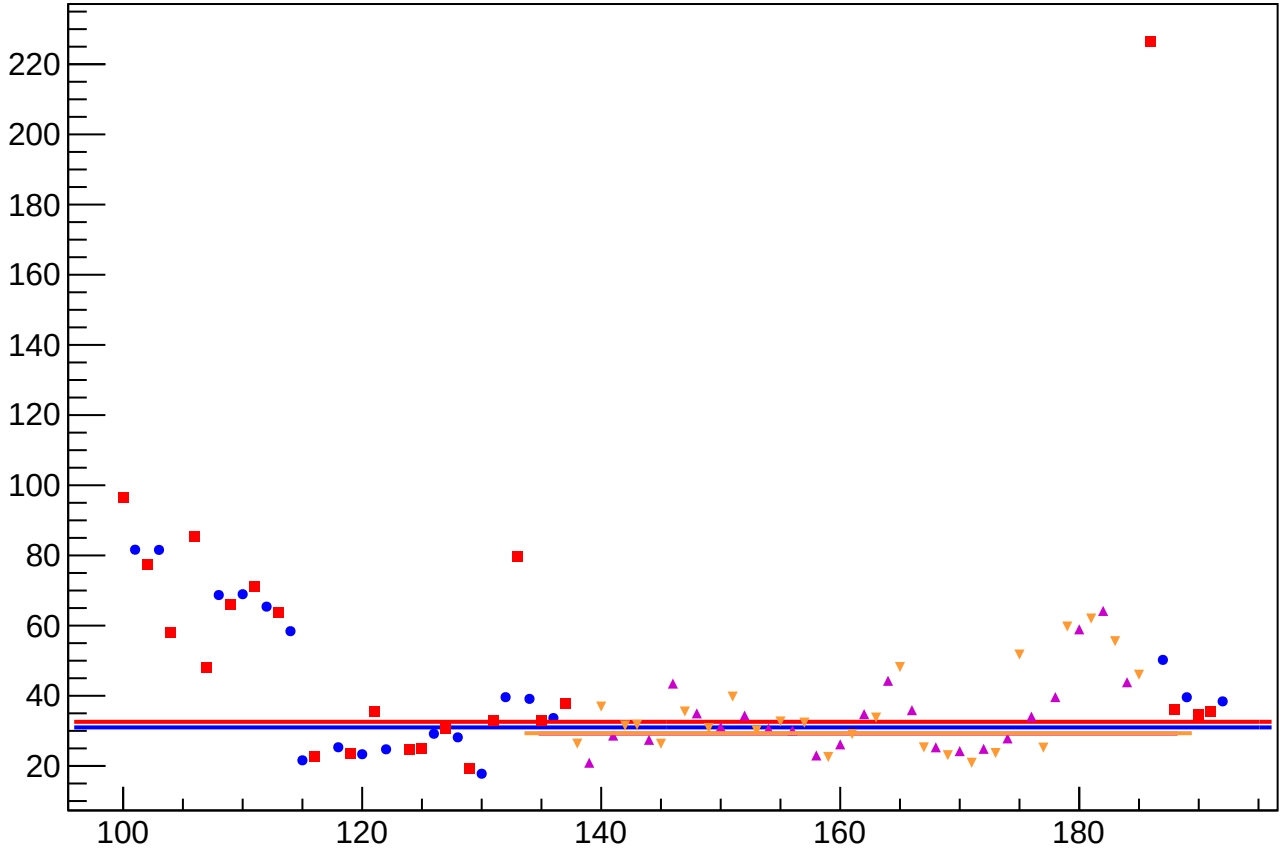
Right: 0.004+/-0.008 χ^2/NDF: 33.3/41

In: 0.009+/-0.006 χ^2/NDF:47.5/41

Out: 0.001+/-0.006 χ^2/NDF:50.0/47

All: 0.005+/-0.004 χ^2/NDF: 98.3/89

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: 32.578+/-0.009 χ^2/NDF: 3238342.0/22

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

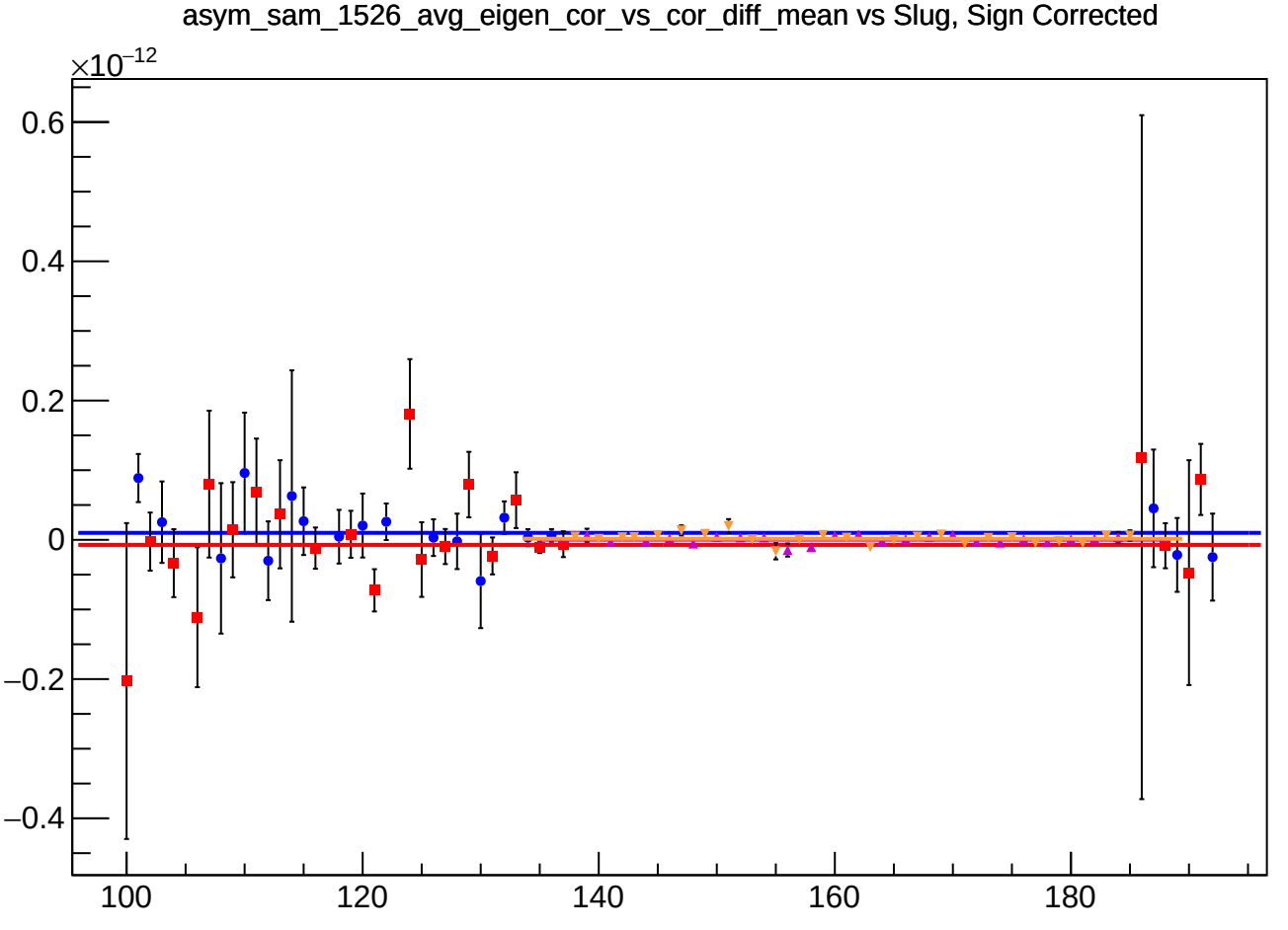
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 31.754+/-0.006 χ^2/NDF: 5891810.8/41

In: 29.718+/-0.004 χ^2/NDF:4765957.1/41

Out: 30.170+/-0.004 χ^2/NDF:6032382.8/47

All: 29.946+/-0.003 χ^2/NDF: 10803750.7/89



Right In: 0.000+/-0.000 χ^2/NDF: 10.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/22

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

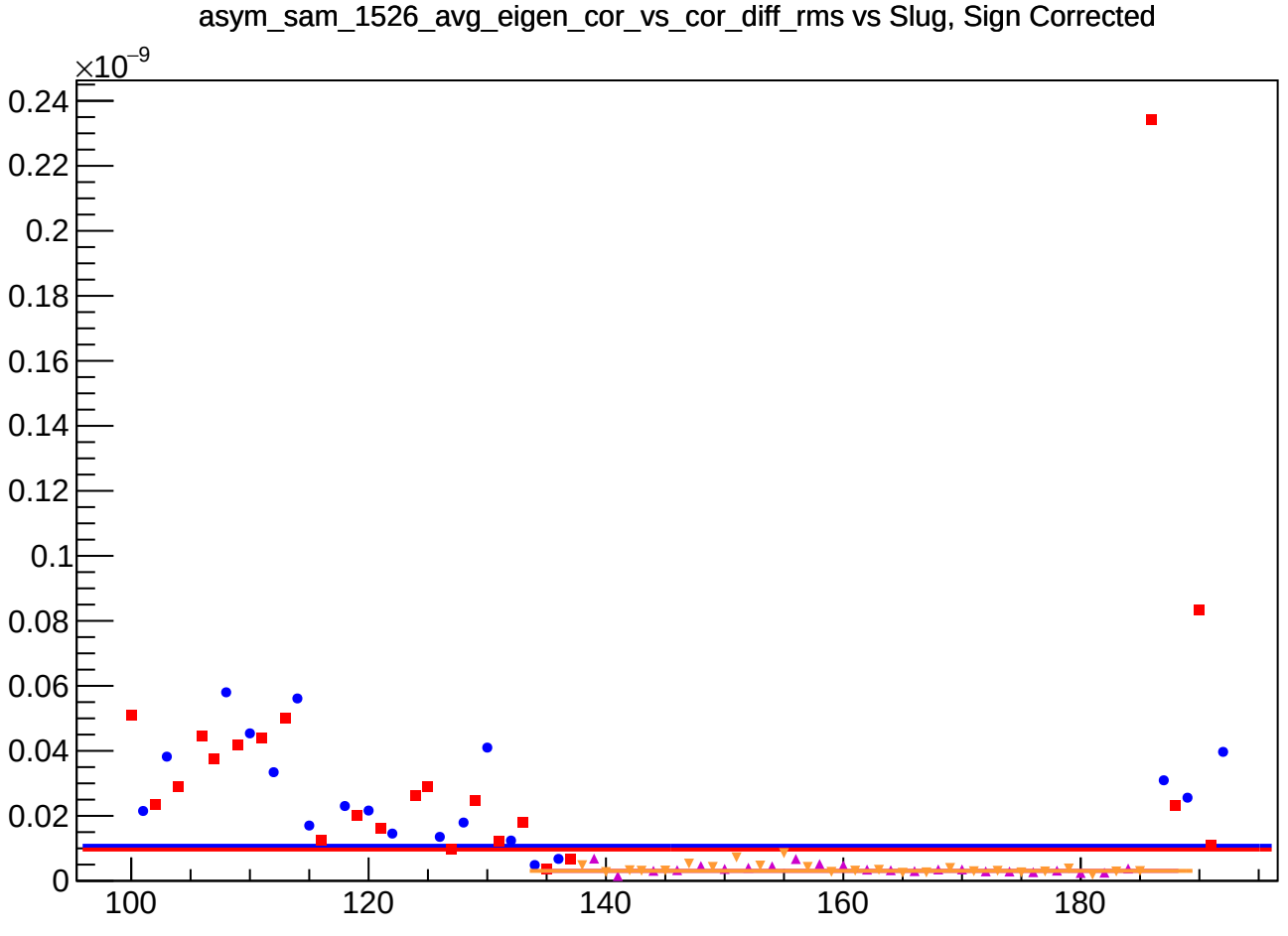
Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

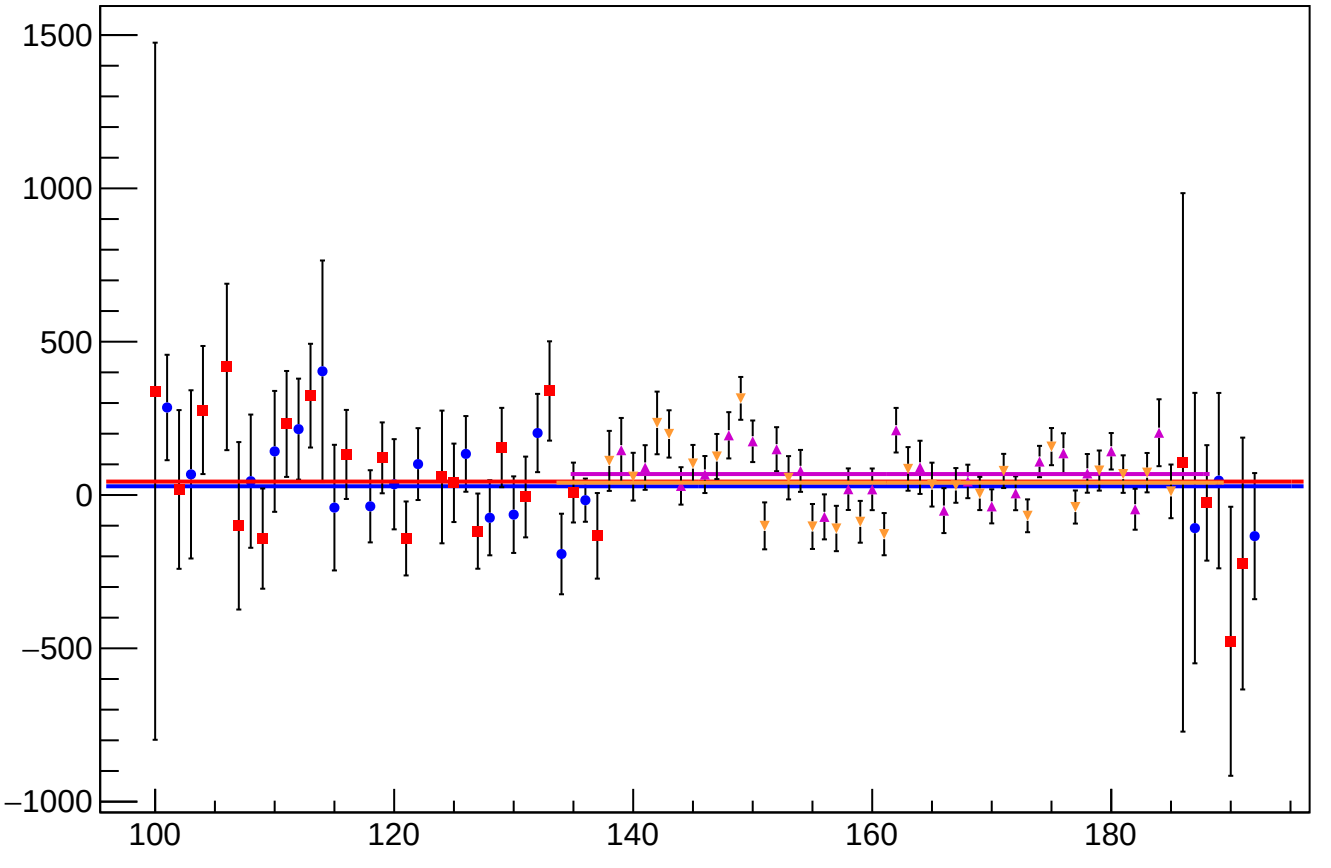
Right: 0.000+/-0.000 χ^2/NDF: 40.3/41

In: 0.000+/-0.000 χ^2/NDF:32.1/41

Out: 0.000+/-0.000 χ^2/NDF:62.3/47

All: 0.000+/-0.000 χ^2/NDF: 94.9/89


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 4226437.9/18
Left Out: 0.000+/-0.000 χ²/NDF:2024861.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 5716681.2/22
Left In: 0.000+/-0.000 χ²/NDF:2149738.1/22
Left: 0.000+/-0.000 χ²/NDF: 4174620.9/47
Right: 0.000+/-0.000 χ²/NDF: 9982191.0/41
In: 0.000+/-0.000 χ²/NDF:9691063.9/41
Out: 0.000+/-0.000 χ²/NDF:10252387.9/47
All: 0.000+/-0.000 χ²/NDF: 19944872.3/89



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: 43.839+/-34.022 χ^2/NDF: 21.6/22

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

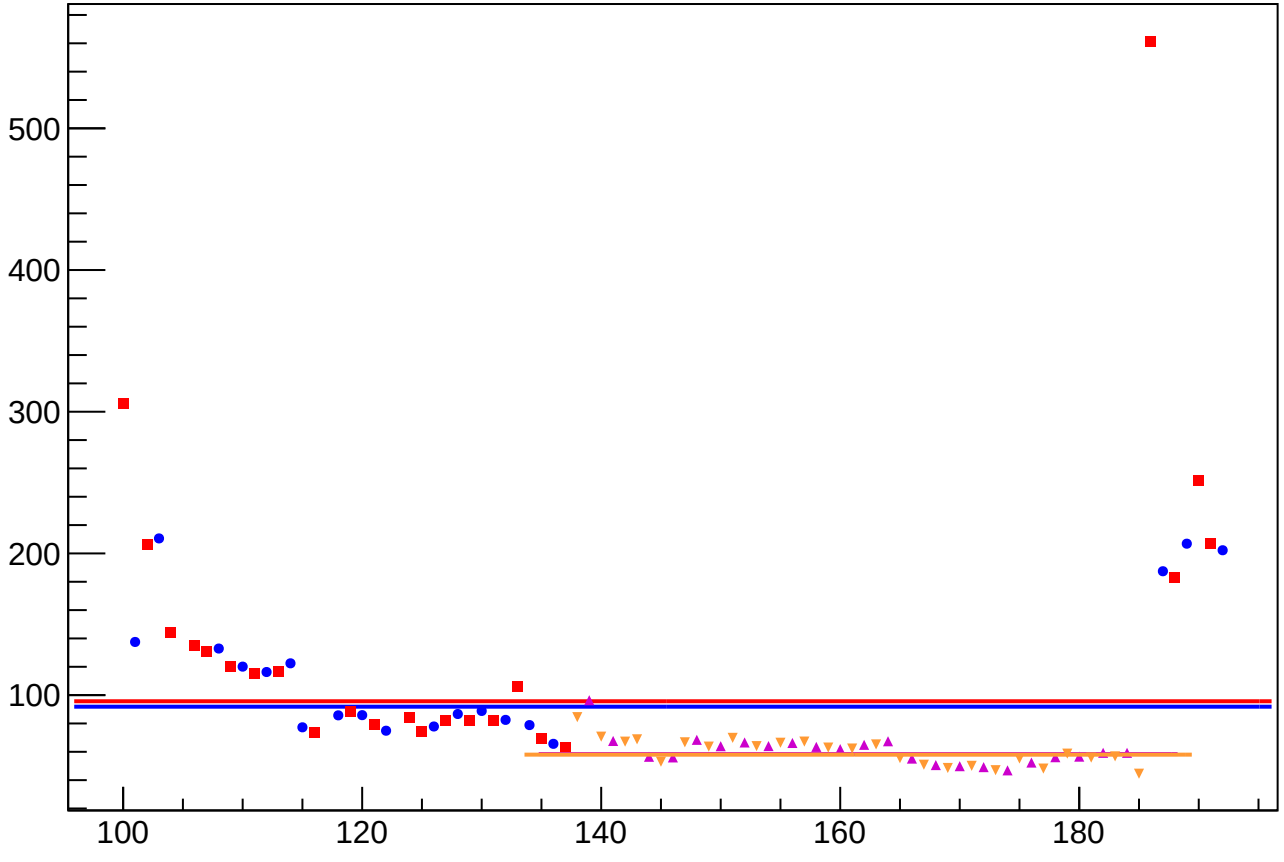
Right: 35.947+/-23.728 χ^2/NDF: 35.2/41

In: 62.395+/-12.790 χ^2/NDF:46.5/41

Out: 40.812+/-12.469 χ^2/NDF:81.0/47

All: 51.329+/-8.928 χ^2/NDF: 129.0/89

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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: 95.670+/-0.024 χ^2/NDF: 2593363.8/22

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

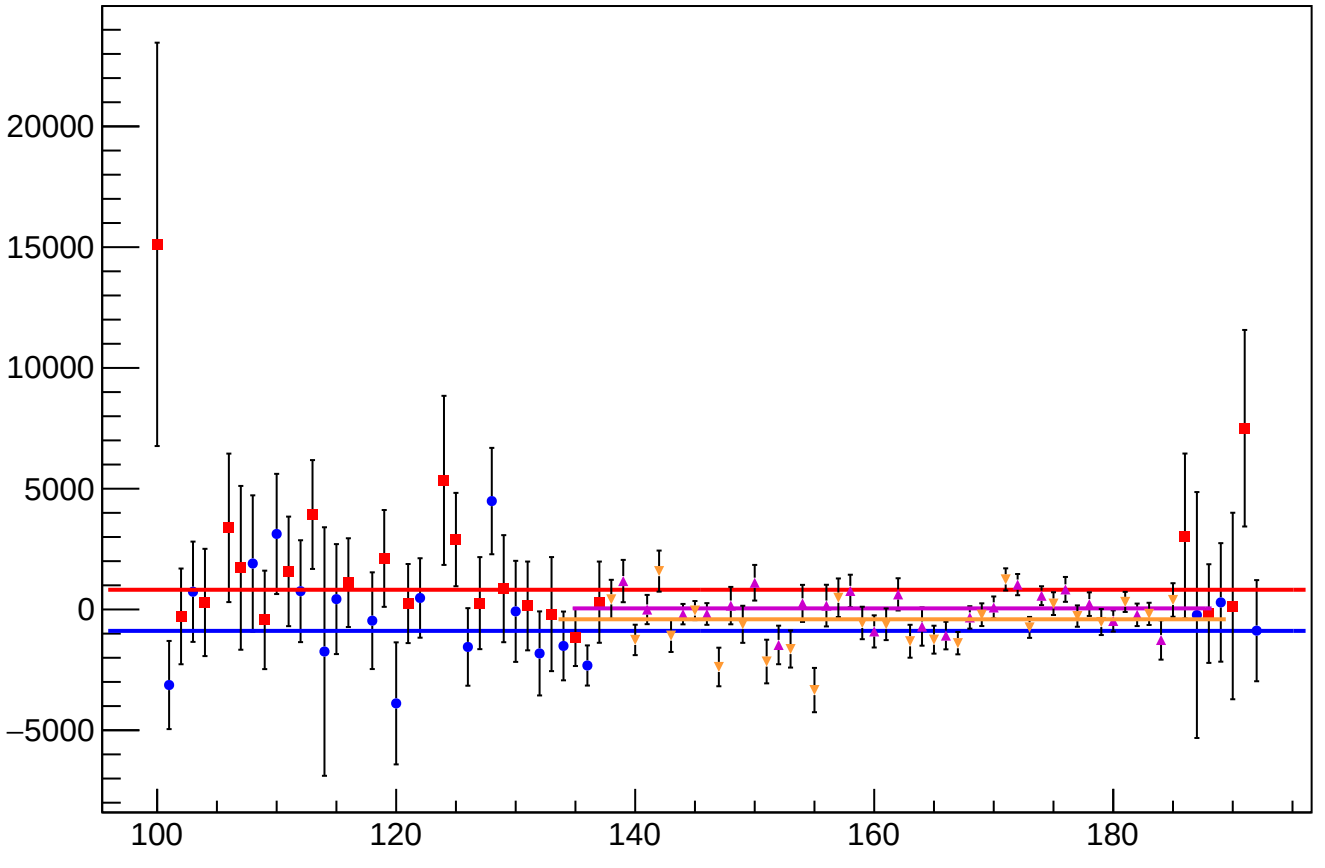
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 93.704+/-0.017 χ^2/NDF: 4685815.4/41

In: 63.387+/-0.009 χ^2/NDF:4550784.4/41

Out: 63.056+/-0.009 χ^2/NDF:5524145.7/47

All: 63.218+/-0.006 χ^2/NDF: 10075615.6/89



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: 815.808+/-446.295 χ^2/NDF: 16.4/22

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

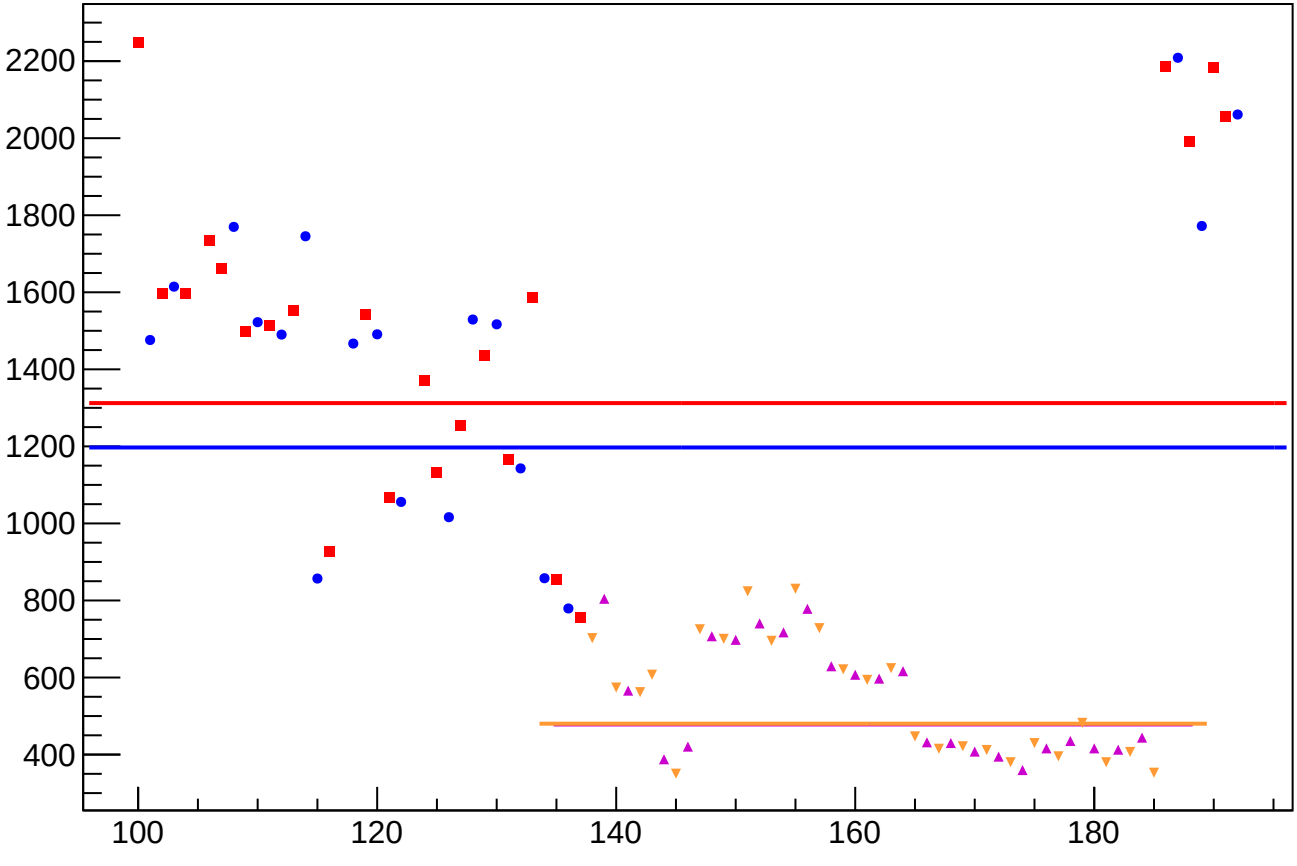
Right: -80.041+/-307.180 χ^2/NDF: 42.8/41

In: -19.937+/-111.667 χ^2/NDF:54.3/41

Out: -332.120+/-109.969 χ^2/NDF:86.7/47

All: -178.420+/-78.353 χ^2/NDF: 145.0/89

asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1197.161+/-0.299 χ^2/NDF: 1696485.1/18

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1312.353+/-0.316 χ^2/NDF: 1468199.6/22

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

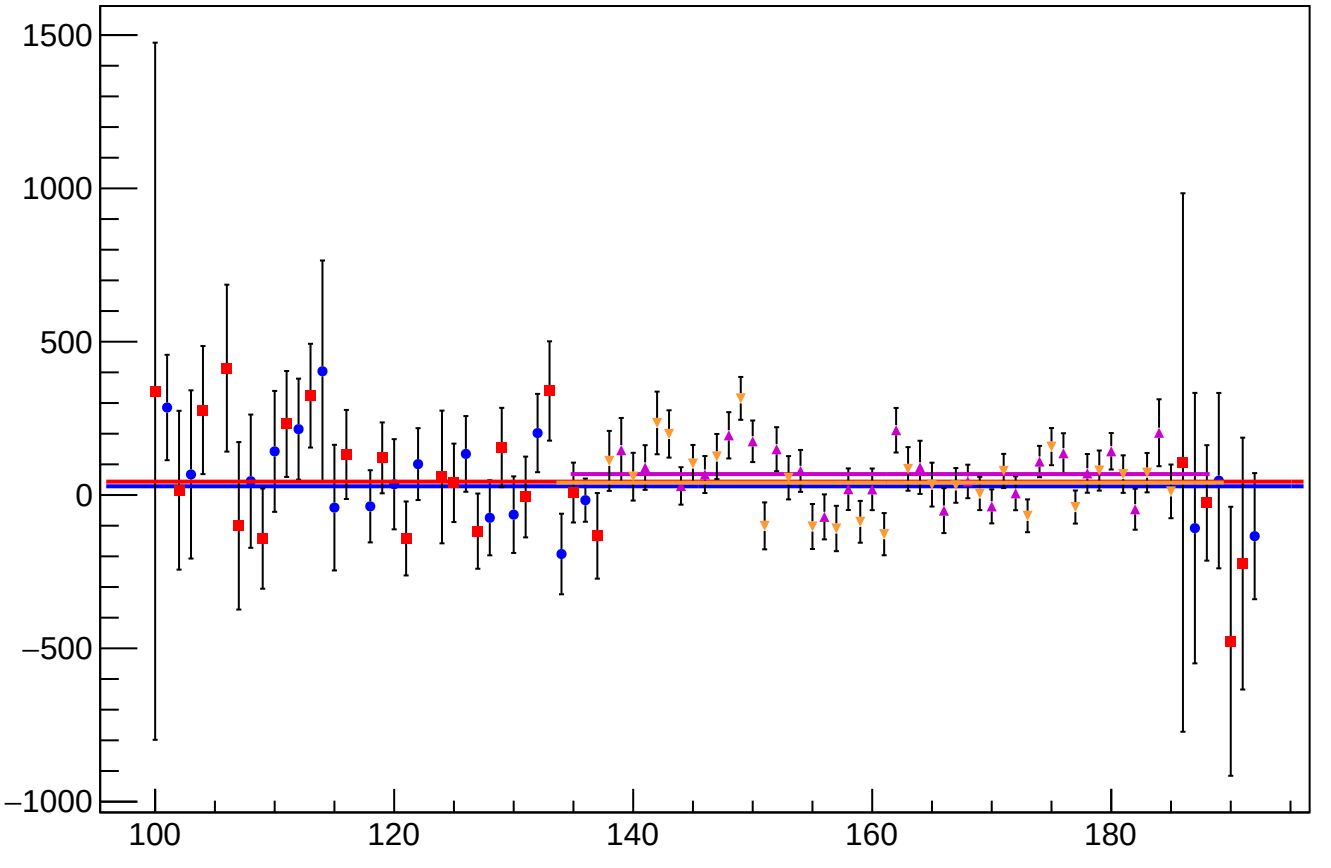
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1251.732+/-0.217 χ^2/NDF: 3234802.5/41

In: 528.092+/-0.079 χ^2/NDF:9278494.7/41

Out: 530.688+/-0.078 χ^2/NDF:10582144.8/47

All: 529.410+/-0.055 χ^2/NDF: 19861188.6/89



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: 43.696+/-34.024 χ^2/NDF: 21.5/22

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

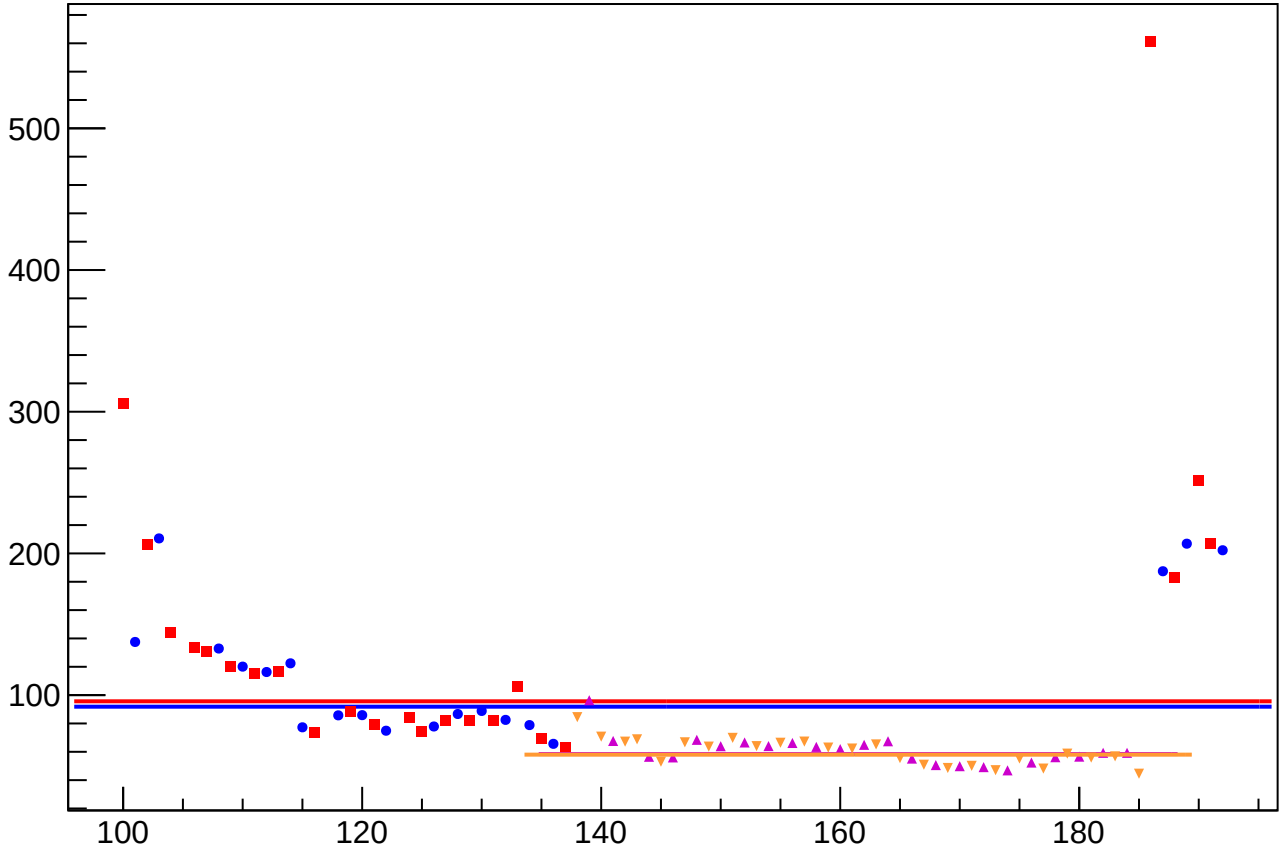
Right: 35.872+/-23.729 χ^2/NDF: 35.2/41

In: 62.392+/-12.790 χ^2/NDF:46.5/41

Out: 40.794+/-12.469 χ^2/NDF:81.0/47

All: 51.319+/-8.928 χ^2/NDF: 129.0/89

cor_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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: 95.636+/-0.024 χ^2/NDF: 2589337.8/22

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

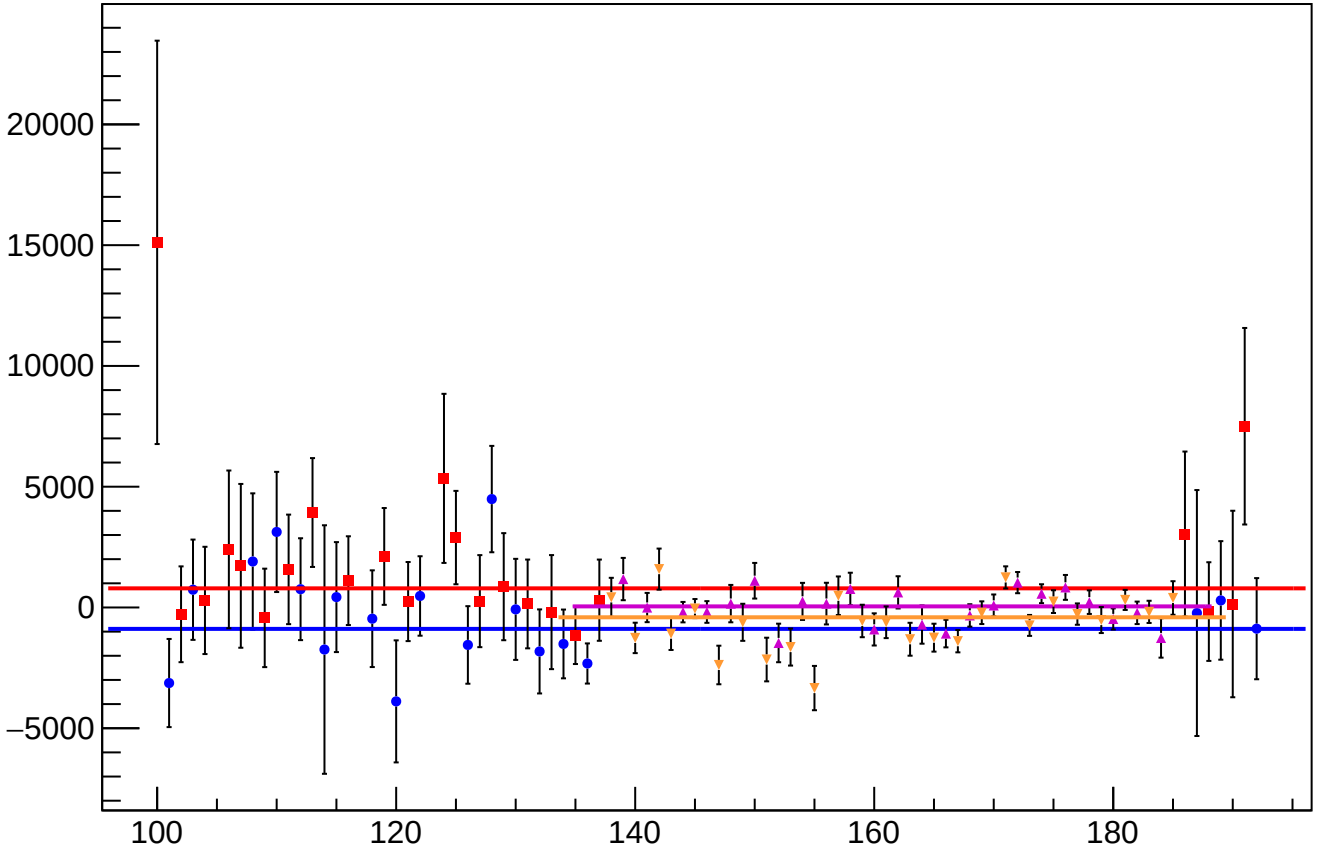
Right: 93.687+/-0.017 χ^2/NDF: 4681556.9/41

In: 63.387+/-0.009 χ^2/NDF:4550786.7/41

Out: 63.051+/-0.009 χ^2/NDF:5515997.2/47

All: 63.215+/-0.006 χ^2/NDF: 10067491.0/89

asym_sam_3726_avg_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: 791.781+/-446.849 χ^2/NDF: 15.9/22

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

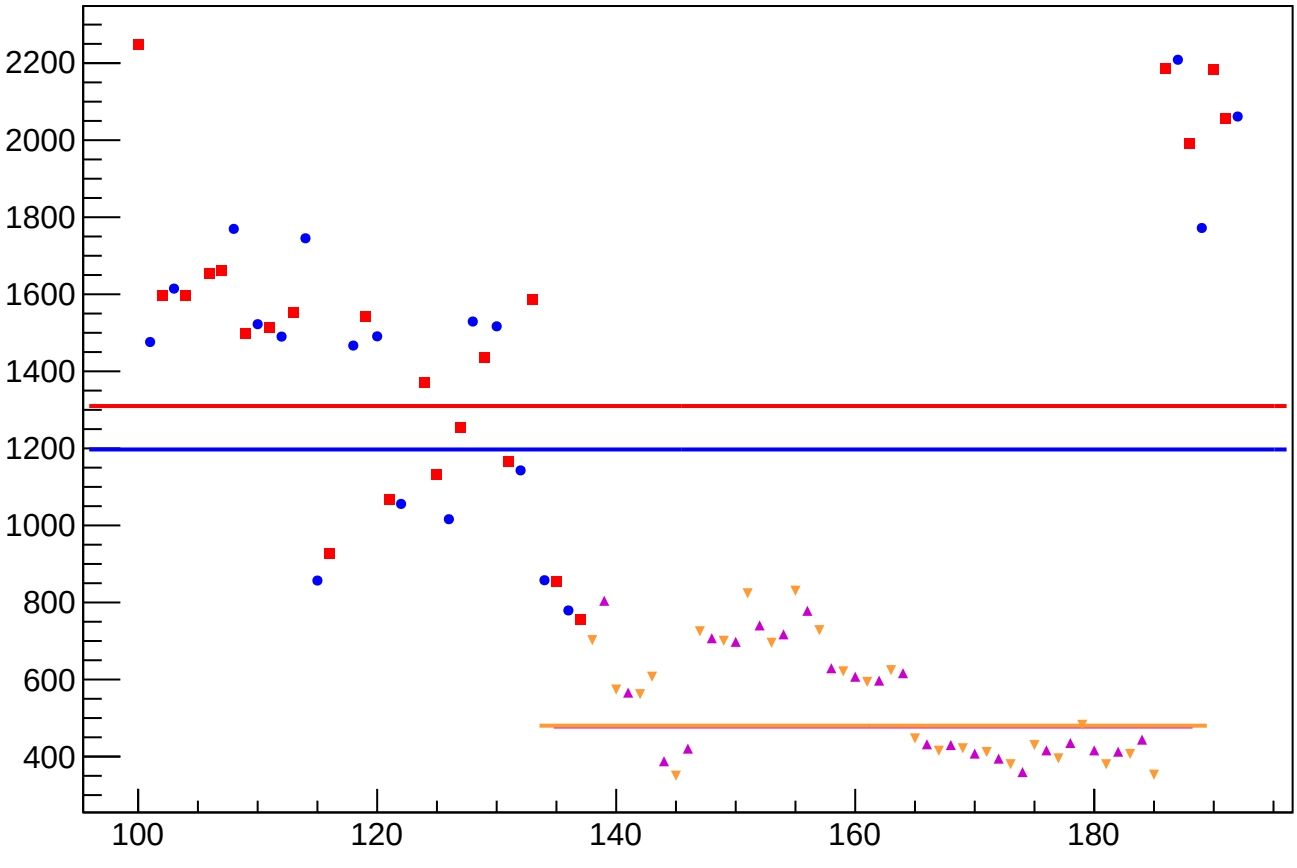
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -92.442+/-307.361 χ^2/NDF: 42.2/41

In: -19.936+/-111.667 χ^2/NDF:54.3/41

Out: -333.746+/-109.977 χ^2/NDF:85.9/47

All: -179.233+/-78.356 χ^2/NDF: 144.2/89



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: 1309.917+/-0.316 χ^2/NDF: 1452960.8/22

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

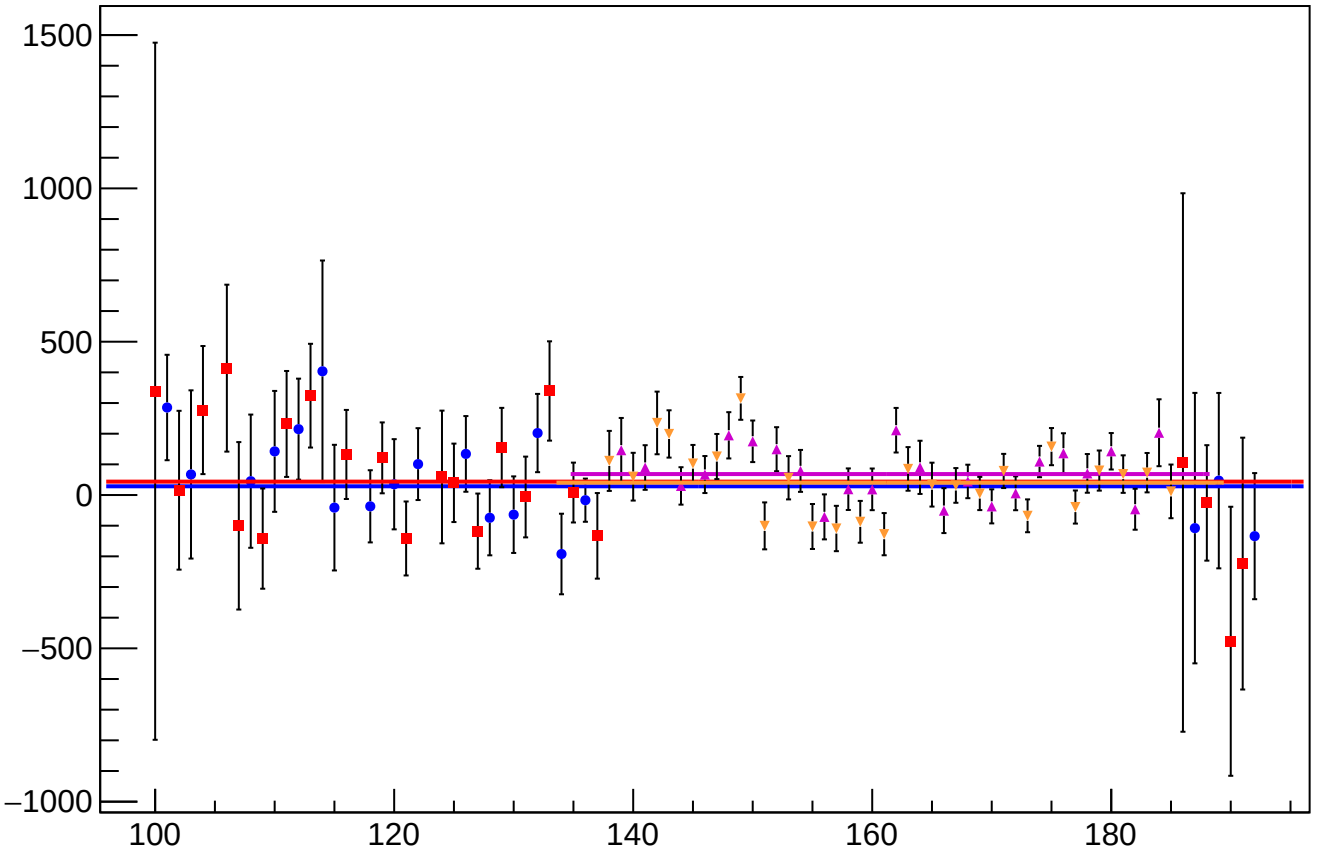
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1250.509+/-0.217 χ^2/NDF: 3216574.5/41

In: 528.092+/-0.079 χ^2/NDF:9278522.2/41

Out: 530.423+/-0.078 χ^2/NDF:10513621.3/47

All: 529.275+/-0.055 χ^2/NDF: 19792586.2/89



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: 43.696+/-34.024 χ^2/NDF: 21.5/22

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

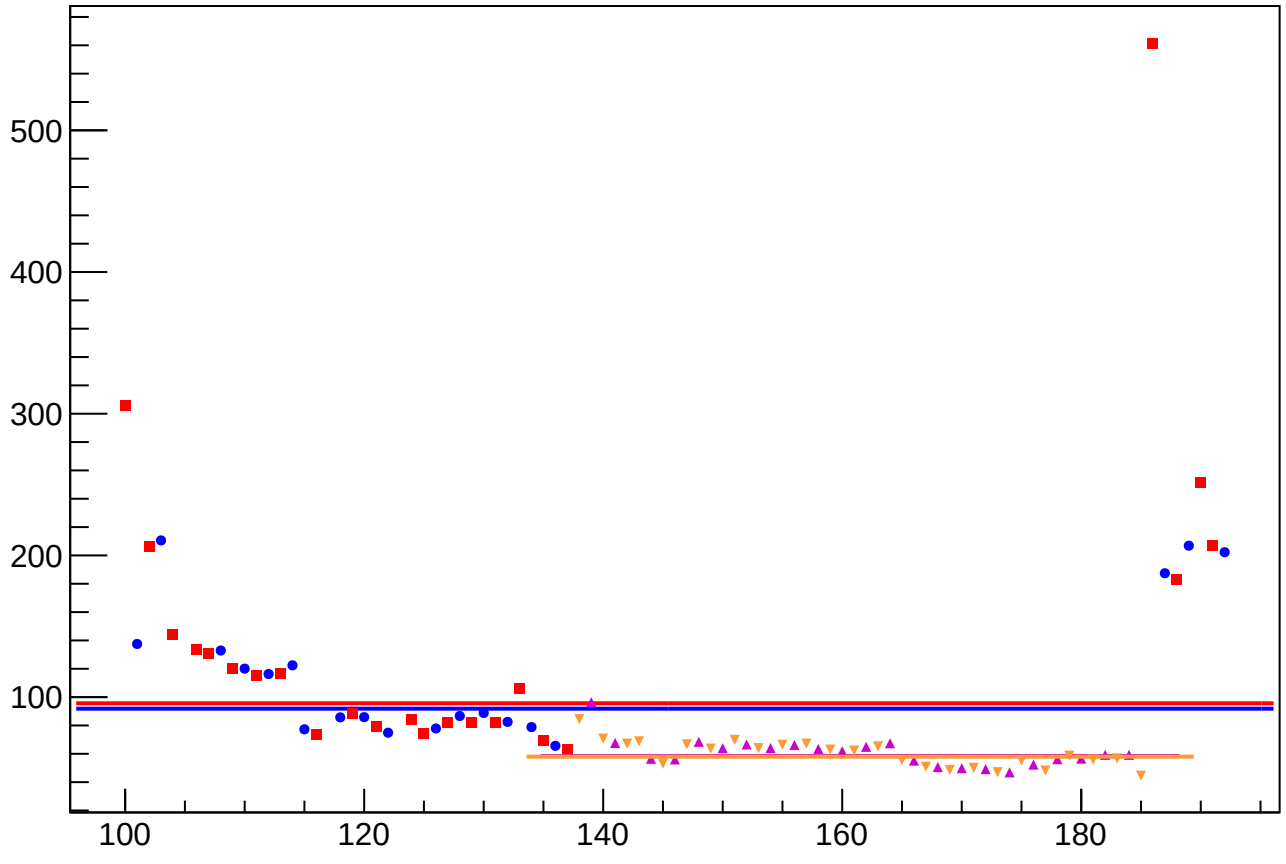
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 35.872+/-23.729 χ^2/NDF: 35.2/41

In: 62.392+/-12.790 χ^2/NDF:46.5/41

Out: 40.794+/-12.469 χ^2/NDF:81.0/47

All: 51.319+/-8.928 χ^2/NDF: 129.0/89



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: 95.636+/-0.024 χ^2/NDF: 2589337.8/22

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

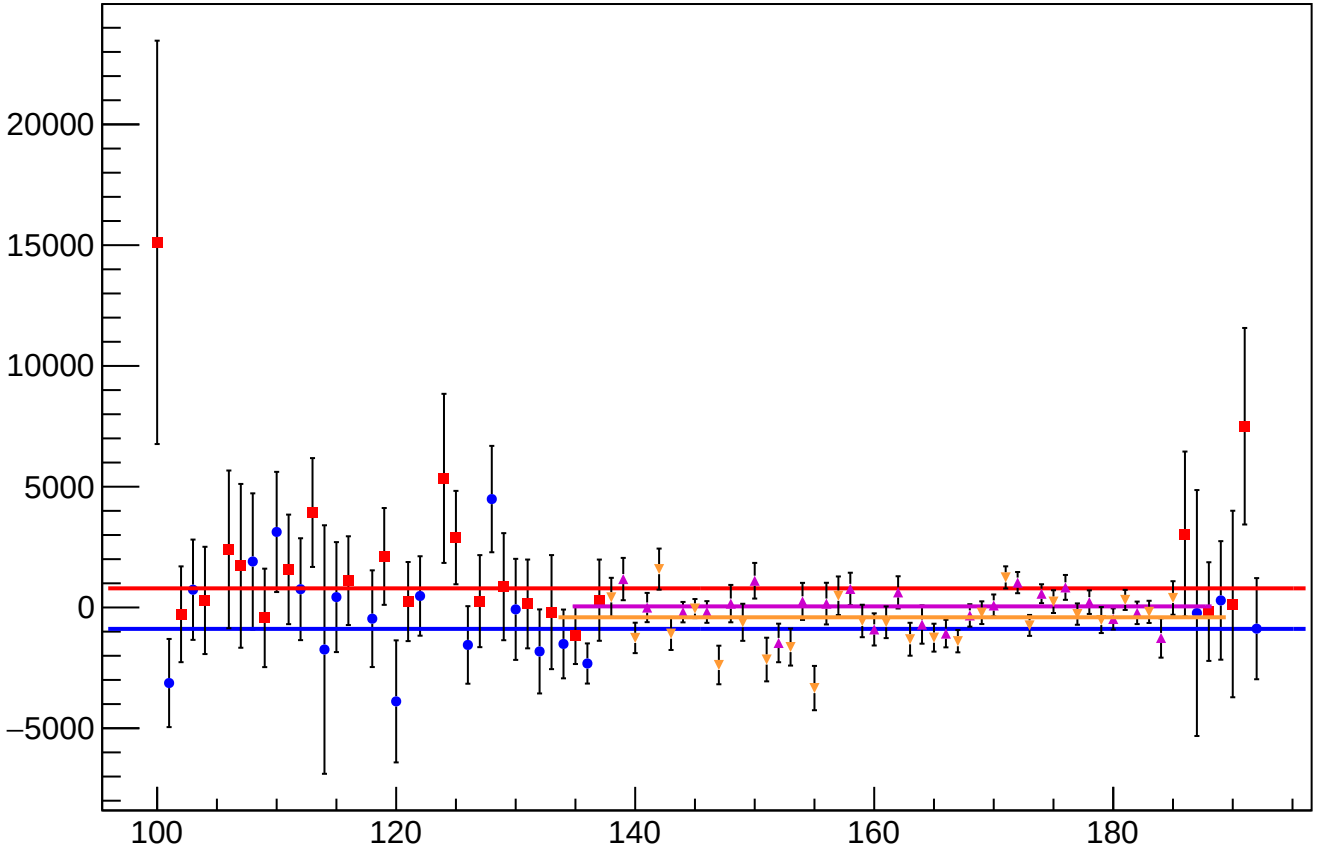
Right: 93.687+/-0.017 χ^2/NDF: 4681556.9/41

In: 63.387+/-0.009 χ^2/NDF:4550786.7/41

Out: 63.051+/-0.009 χ^2/NDF:5515997.2/47

All: 63.215+/-0.006 χ^2/NDF: 10067491.0/89

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: 791.781+/-446.849 χ^2/NDF: 15.9/22

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

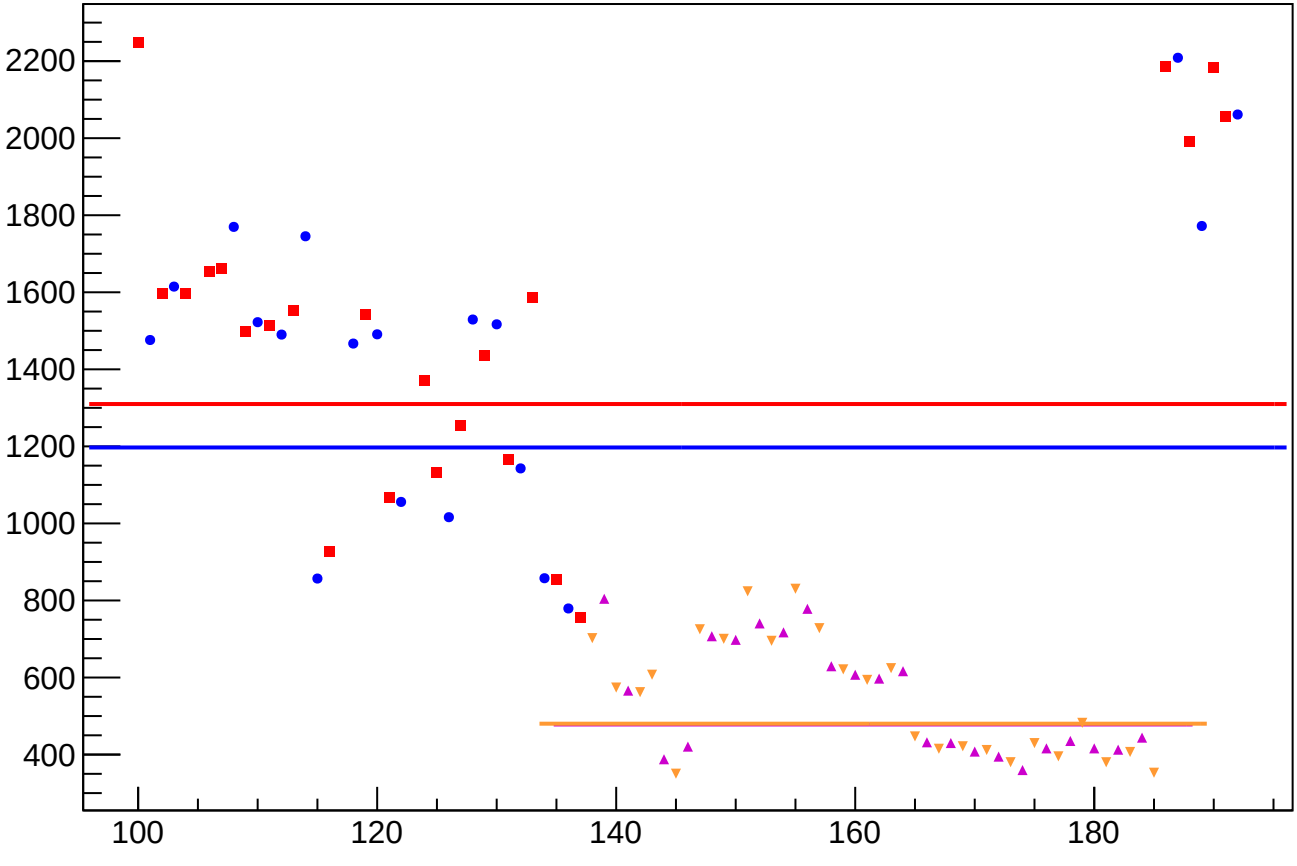
Right: -92.442+/-307.361 χ^2/NDF: 42.2/41

In: -19.936+/-111.667 χ^2/NDF:54.3/41

Out: -333.746+/-109.977 χ^2/NDF:85.9/47

All: -179.233+/-78.356 χ^2/NDF: 144.2/89

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 1309.917+/-0.316 χ^2/NDF: 1452960.8/22

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

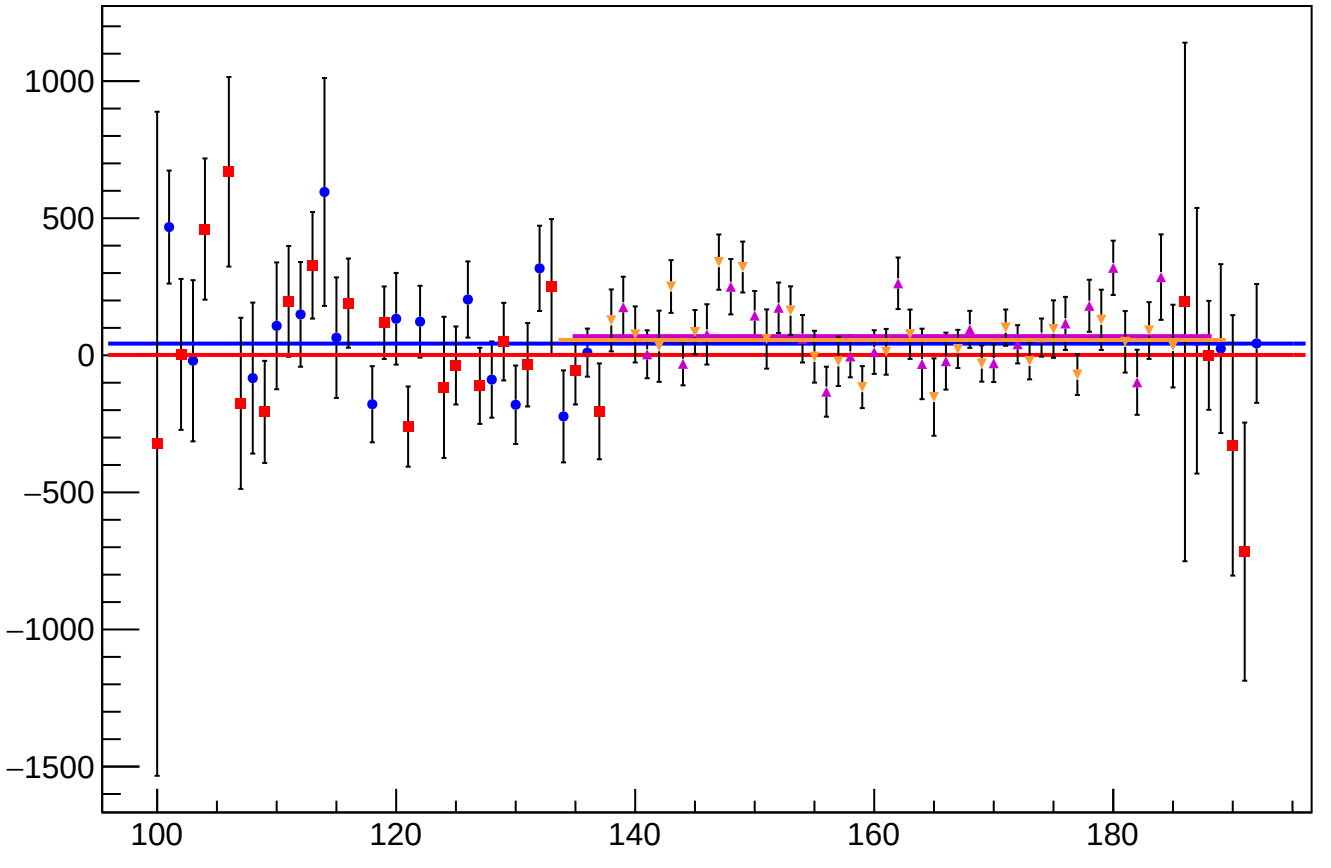
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1250.509+/-0.217 χ^2/NDF: 3216574.5/41

In: 528.092+/-0.079 χ^2/NDF:9278522.2/41

Out: 530.423+/-0.078 χ^2/NDF:10513621.3/47

All: 529.275+/-0.055 χ^2/NDF: 19792586.2/89



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: 1.367+/-39.887 χ^2/NDF: 24.2/22

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

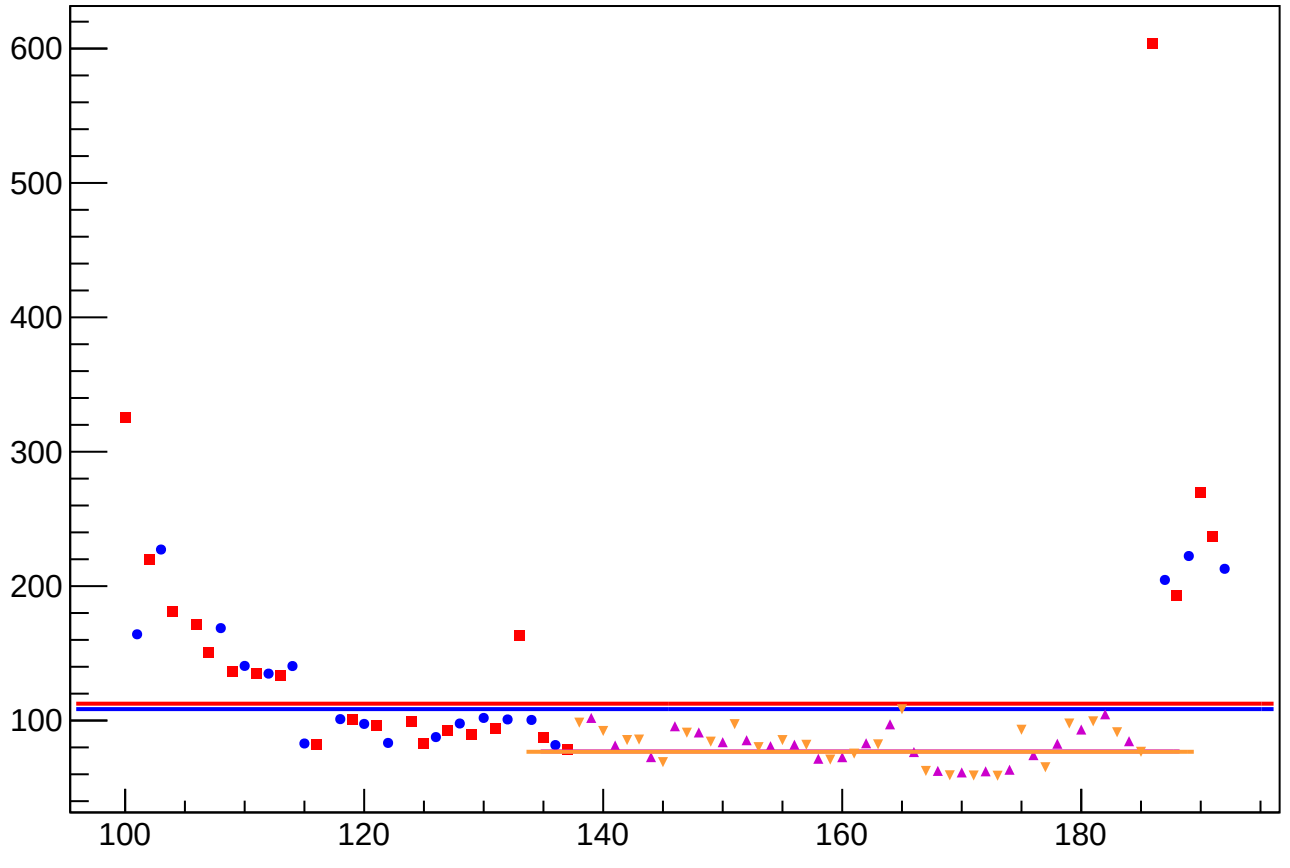
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 22.579+/-27.828 χ^2/NDF: 45.1/41

In: 64.826+/-16.700 χ^2/NDF:55.2/41

Out: 46.757+/-16.368 χ^2/NDF:64.1/47

All: 55.610+/-11.690 χ^2/NDF: 119.9/89



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: 112.533+/-0.028 χ^2/NDF: 2471196.0/22

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

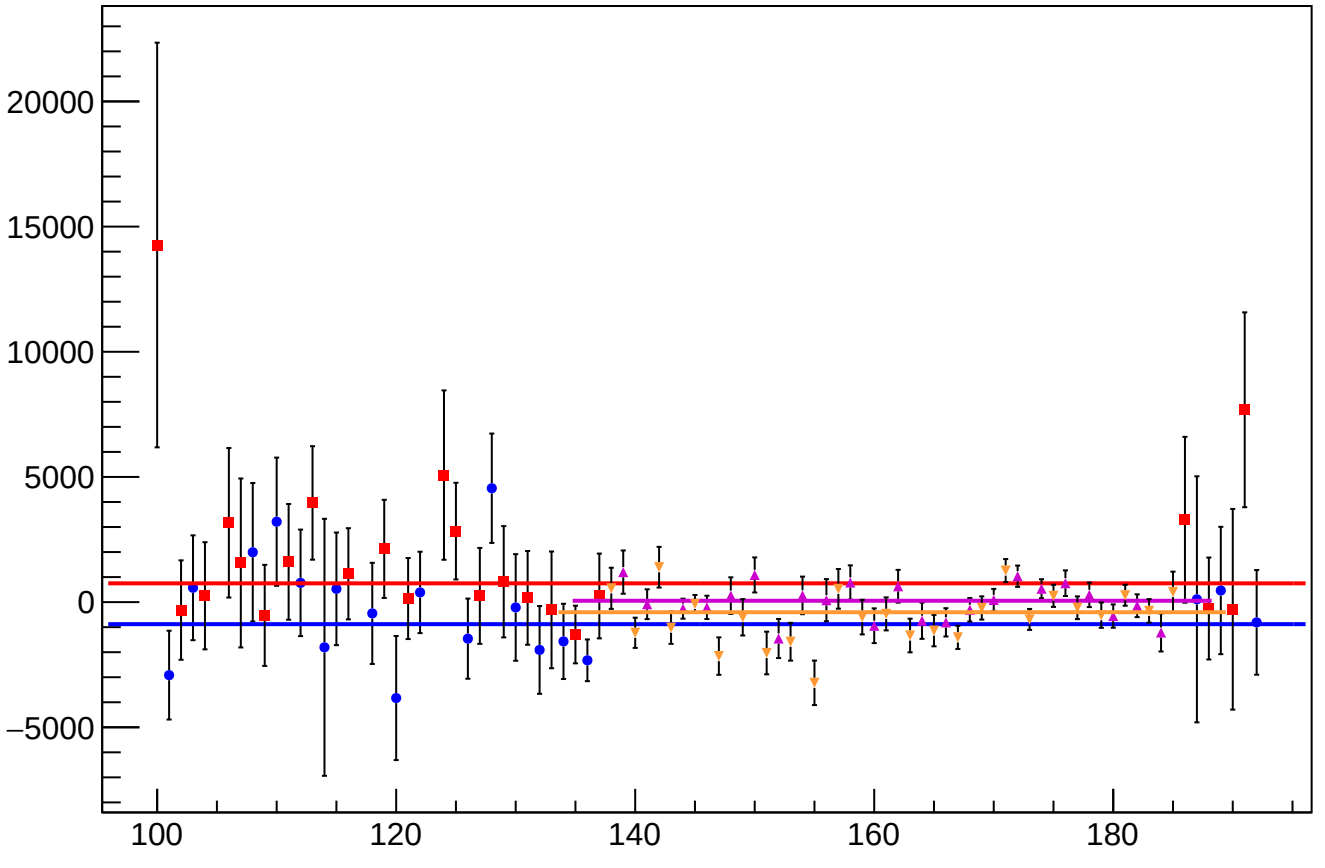
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 110.461+/-0.020 χ^2/NDF: 4327341.9/41

In: 82.836+/-0.012 χ^2/NDF:3775078.4/41

Out: 82.771+/-0.012 χ^2/NDF:5044890.8/47

All: 82.803+/-0.008 χ^2/NDF: 8819984.8/89



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: 750.493+/-441.888 χ^2/NDF: 17.6/22

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

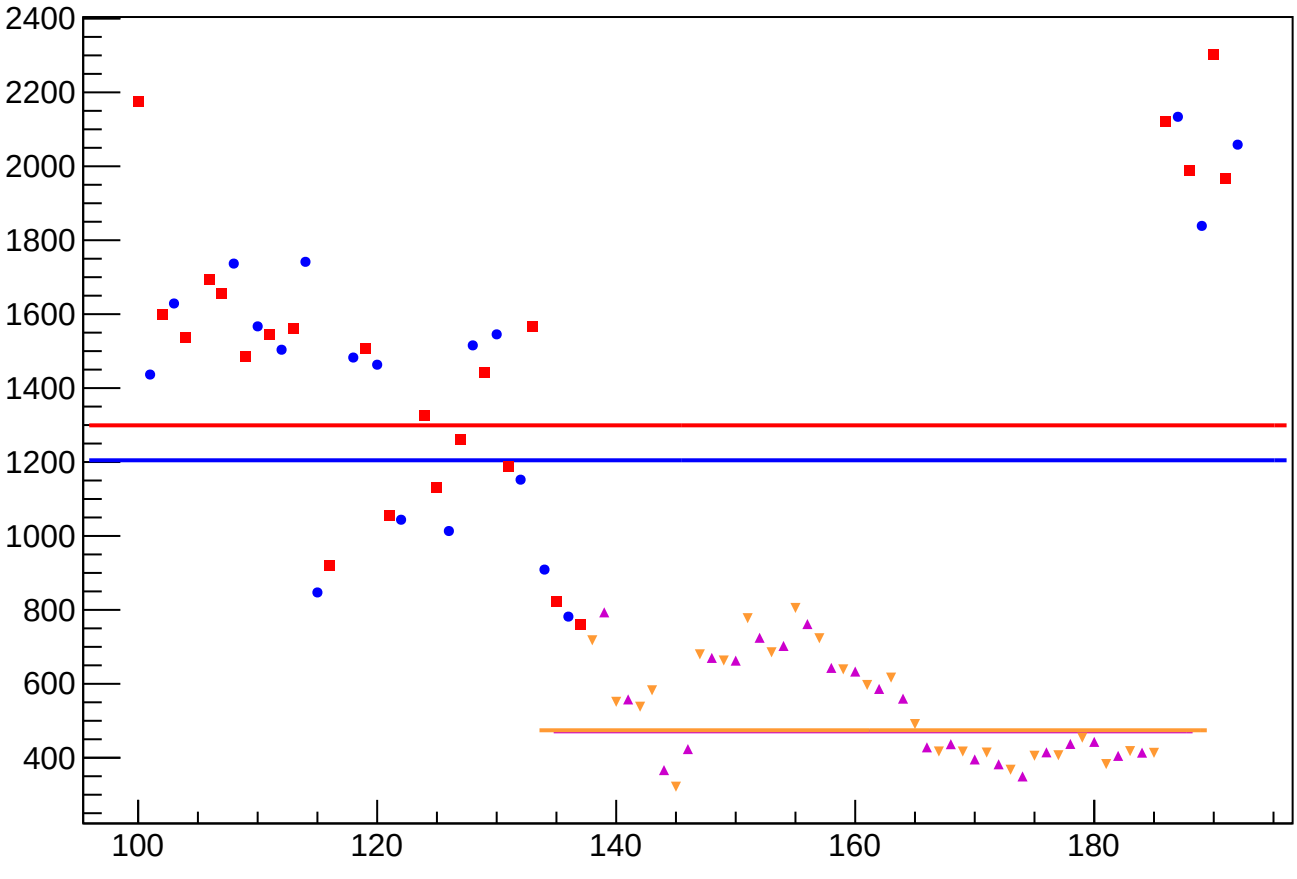
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -95.995+/-306.456 χ^2/NDF: 43.5/41

In: -8.665+/-110.315 χ^2/NDF:54.0/41

Out: -333.989+/-108.360 χ^2/NDF:84.7/47

All: -174.235+/-77.304 χ^2/NDF: 143.1/89



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: 1299.229+/-0.312 χ^2/NDF: 1510448.8/22

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

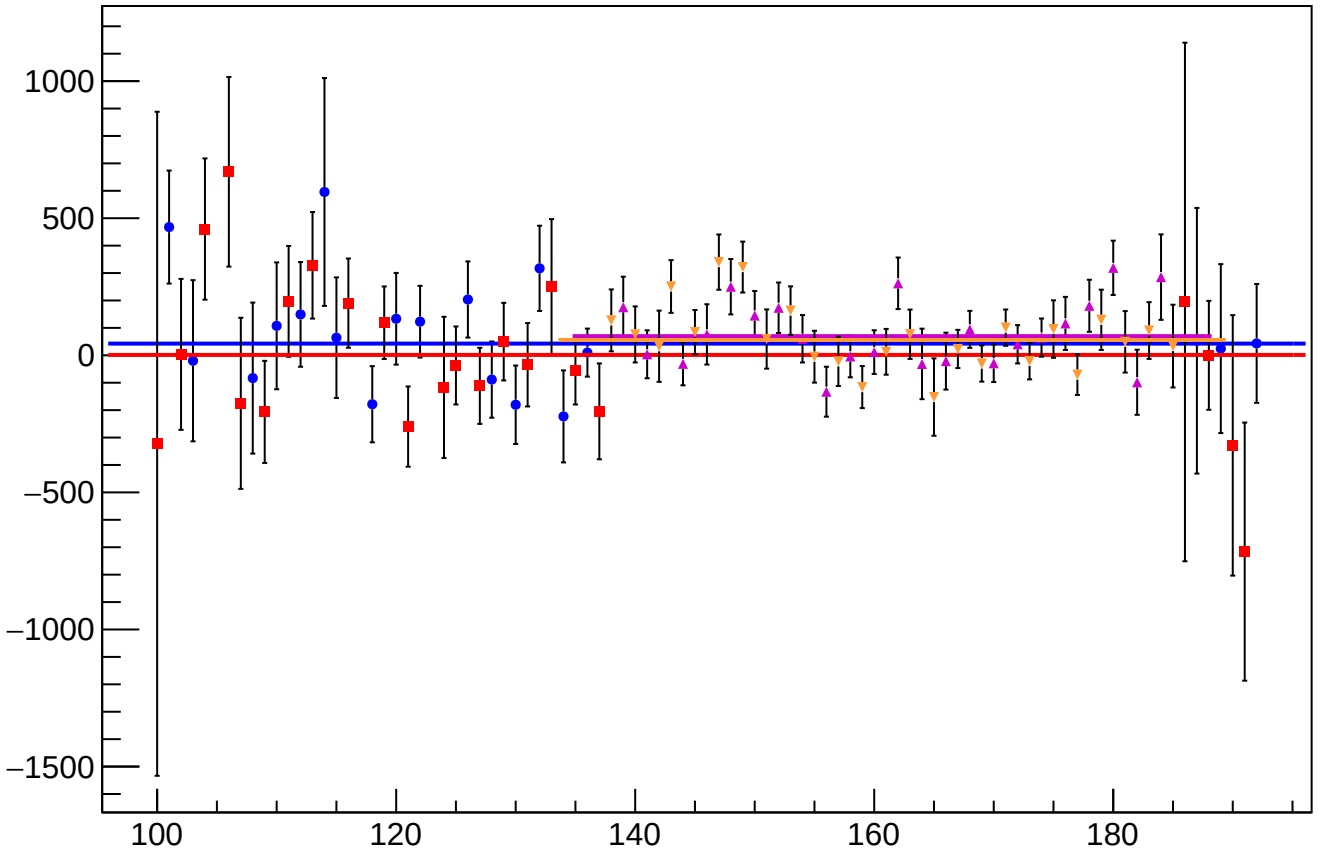
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1250.160+/-0.217 χ^2/NDF: 3223854.6/41

In: 520.770+/-0.078 χ^2/NDF:9418164.3/41

Out: 523.900+/-0.077 χ^2/NDF:10600495.9/47

All: 522.363+/-0.055 χ^2/NDF: 20019479.6/89



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: 1.365+/-39.887 χ^2/NDF: 24.2/22

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

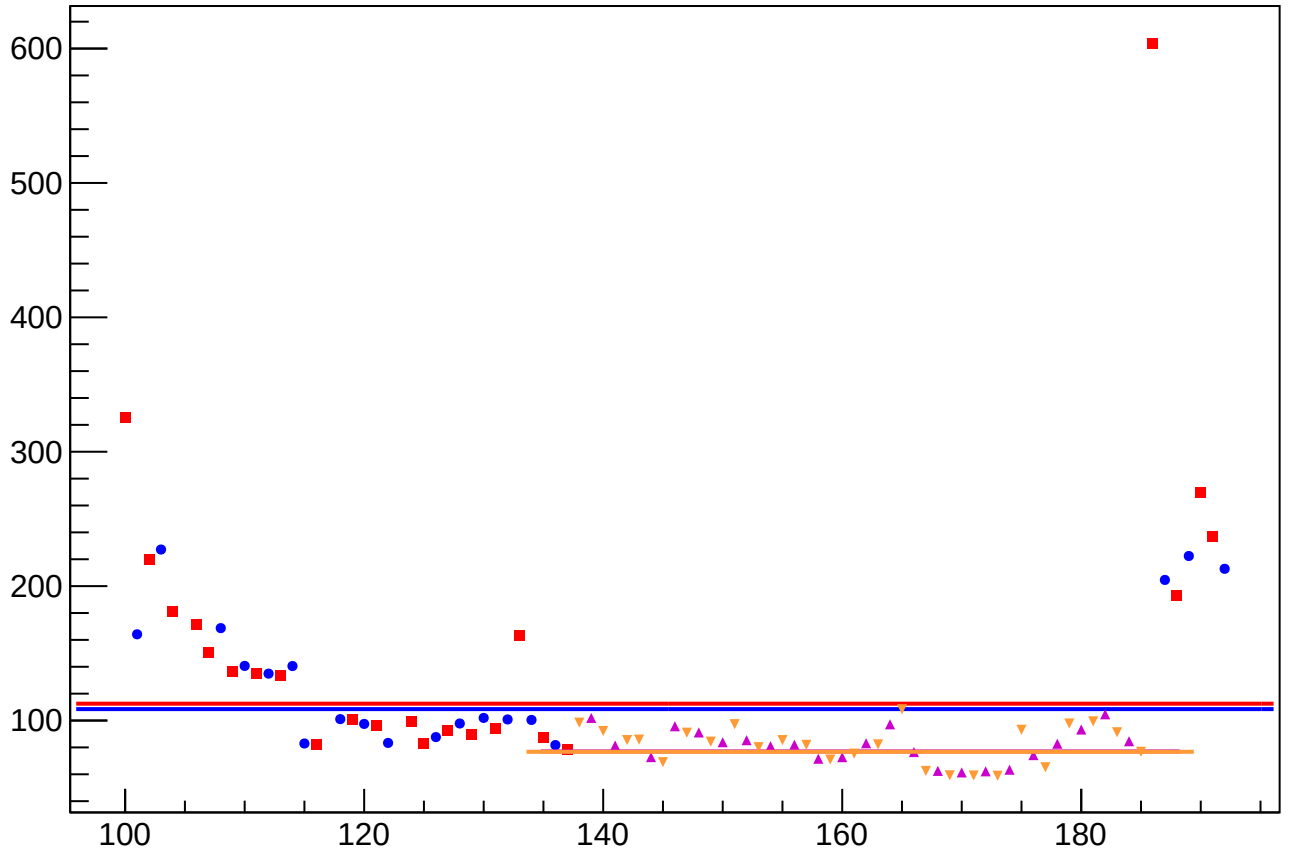
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 22.577+/-27.828 χ^2/NDF: 45.1/41

In: 64.825+/-16.700 χ^2/NDF:55.2/41

Out: 46.756+/-16.368 χ^2/NDF:64.1/47

All: 55.609+/-11.690 χ^2/NDF: 119.9/89



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: 112.533+/-0.028 χ^2/NDF: 2471202.3/22

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

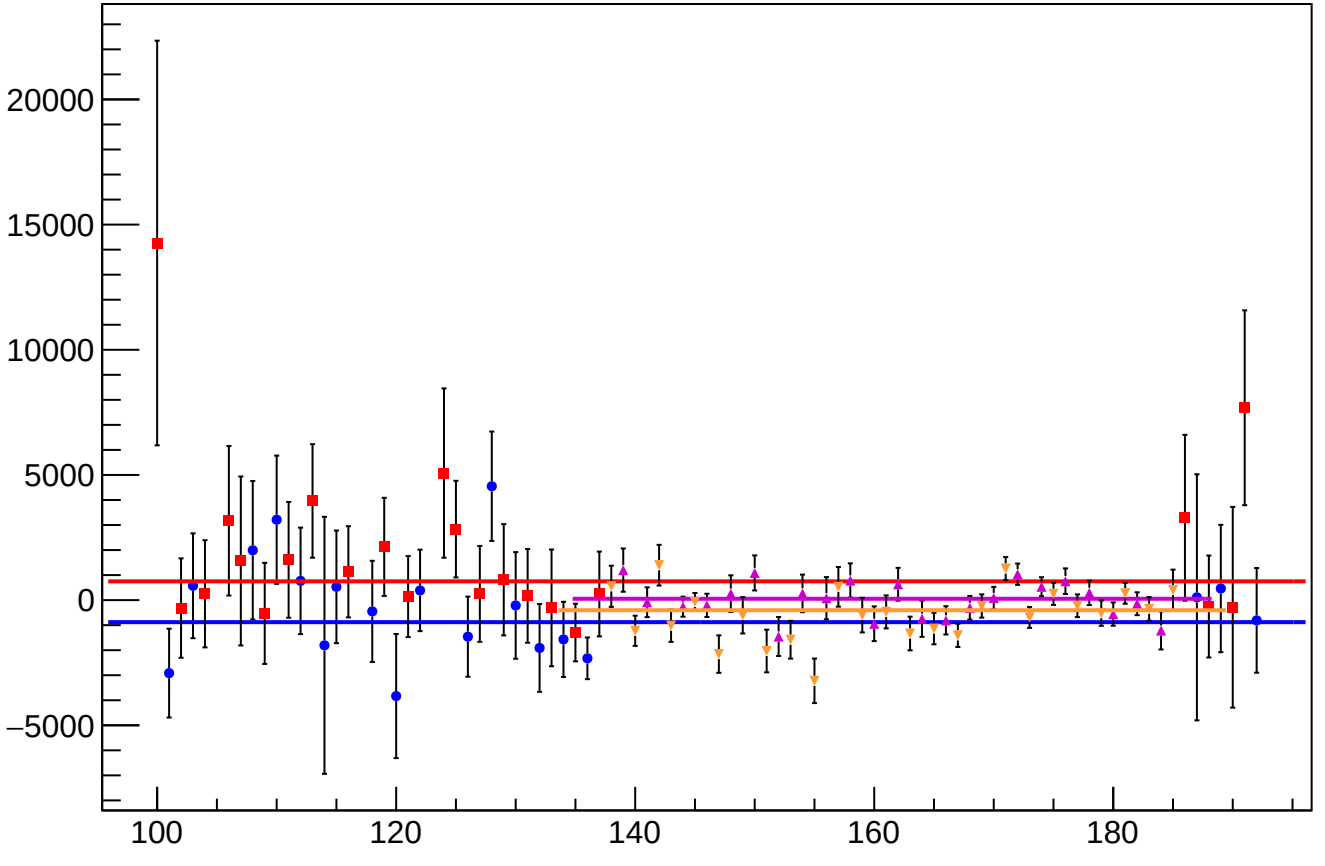
Right: 110.461+/-0.020 χ^2/NDF: 4327349.3/41

In: 82.836+/-0.012 χ^2/NDF:3775036.4/41

Out: 82.771+/-0.012 χ^2/NDF:5044869.4/47

All: 82.803+/-0.008 χ^2/NDF: 8819921.4/89

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: 750.494+/-441.887 χ^2/NDF: 17.6/22

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

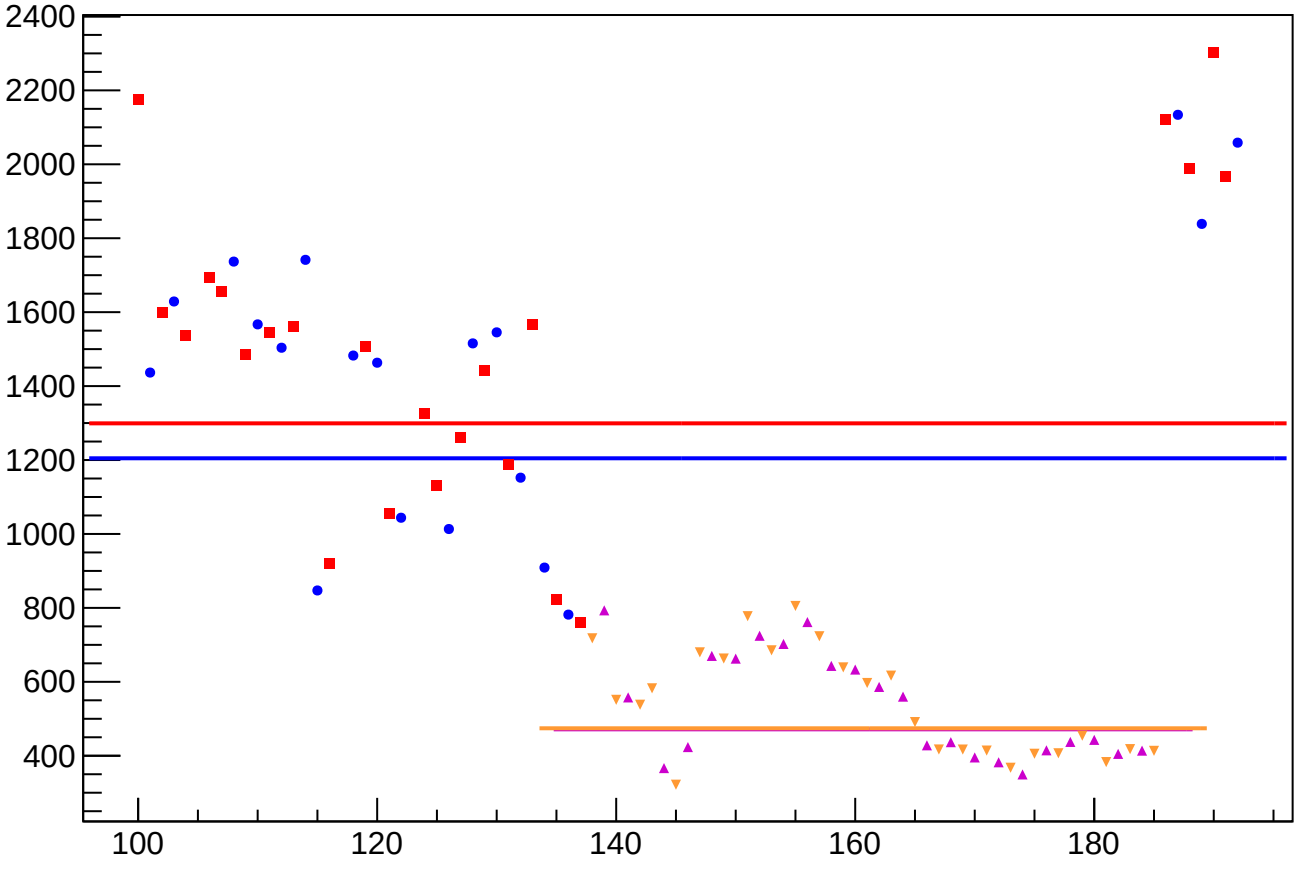
Right: -95.992+/-306.456 χ^2/NDF: 43.5/41

In: -8.664+/-110.315 χ^2/NDF:54.0/41

Out: -333.988+/-108.360 χ^2/NDF:84.7/47

All: -174.234+/-77.304 χ^2/NDF: 143.1/89

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: 1299.227+/-0.312 χ^2/NDF: 1510440.5/22

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

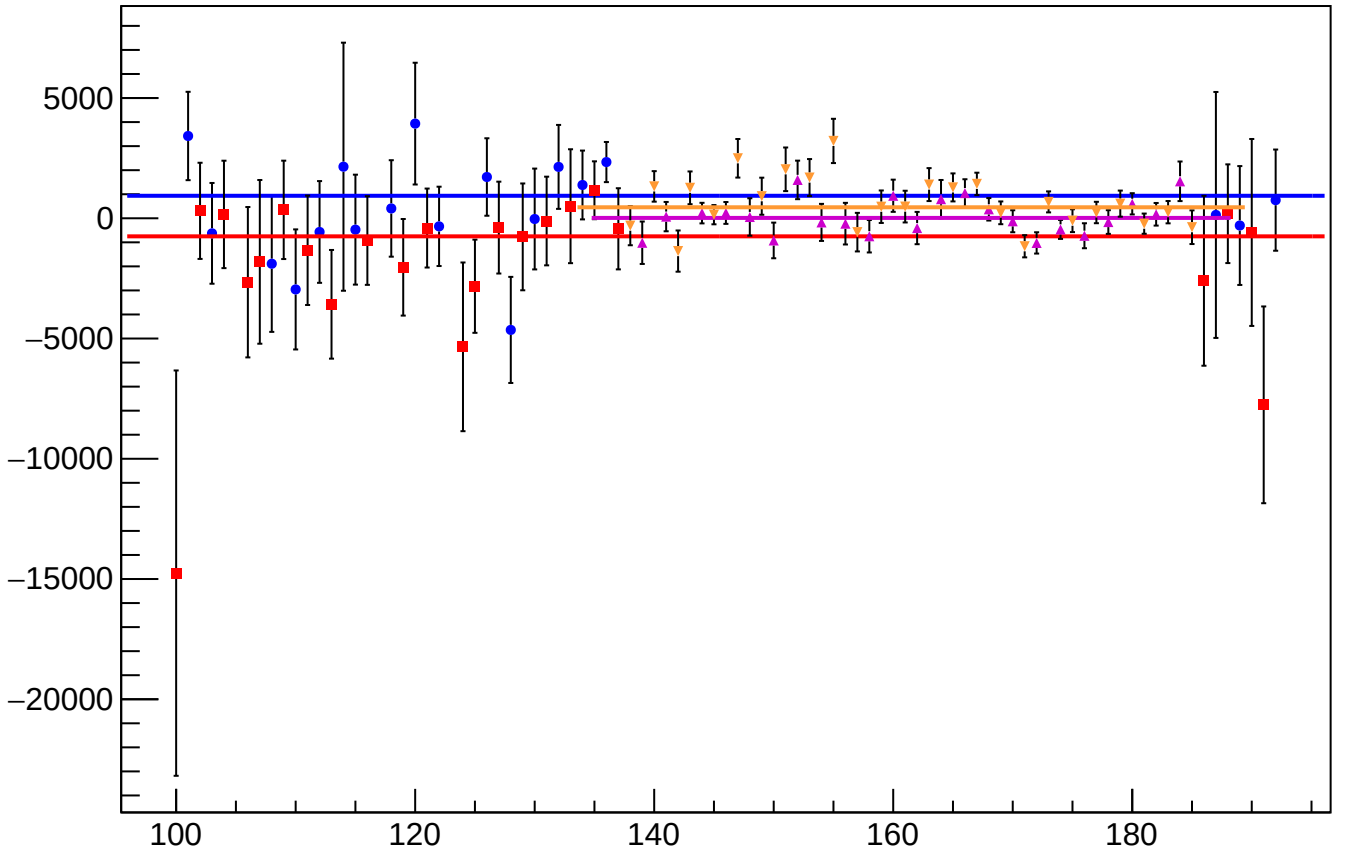
Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

Right: 1250.159+/-0.217 χ^2/NDF: 3223834.2/41

In: 520.770+/-0.078 χ^2/NDF:9418145.8/41

Out: 523.900+/-0.077 χ^2/NDF:10600488.2/47

All: 522.363+/-0.055 χ^2/NDF: 20019453.2/89



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: -750.991+/-448.242 χ^2/NDF: 15.3/22

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

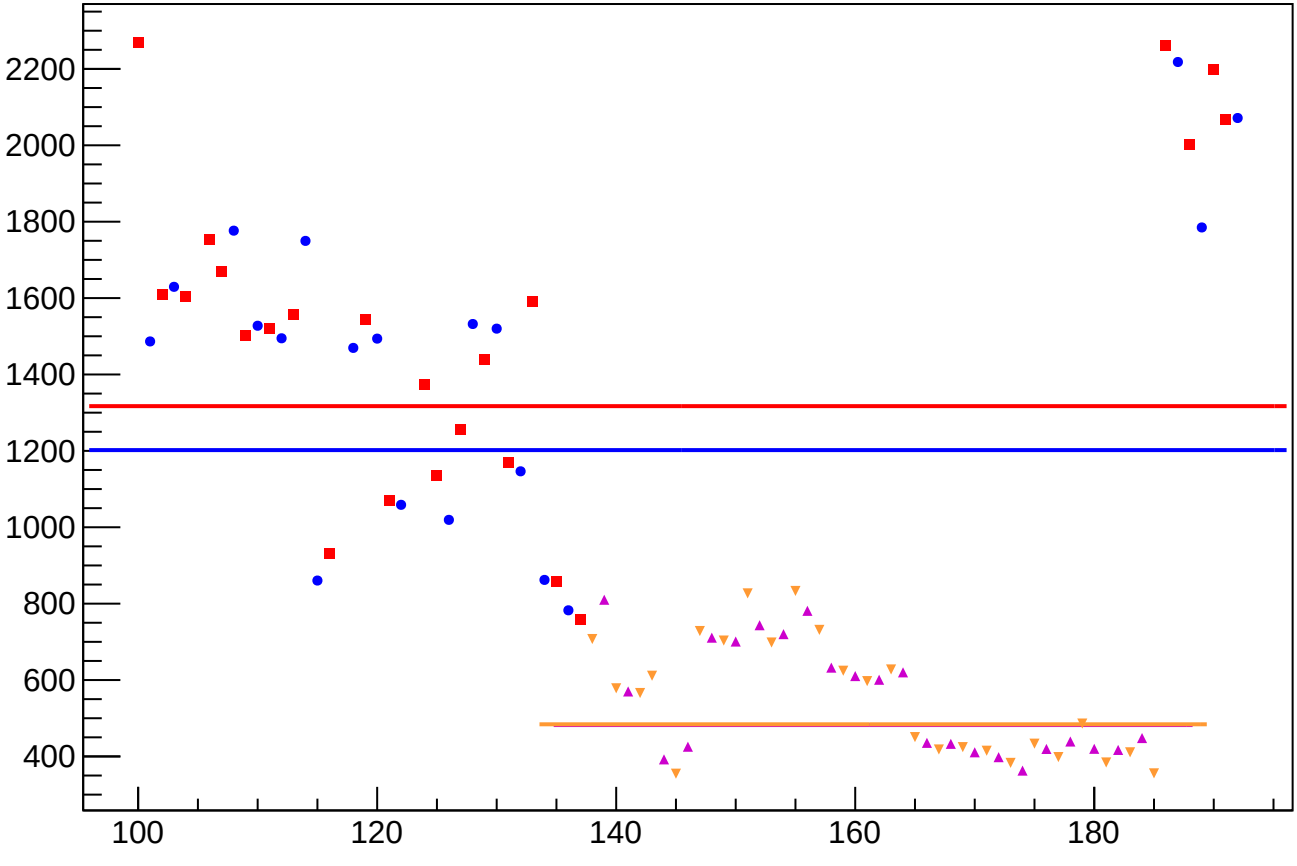
Right: 136.861+/-308.475 χ^2/NDF: 42.1/41

In: 79.586+/-112.538 χ^2/NDF:54.0/41

Out: 383.455+/-110.803 χ^2/NDF:81.6/47

All: 233.882+/-78.956 χ^2/NDF: 139.2/89

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: 1317.102+/-0.317 χ^2/NDF: 1487899.8/22

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

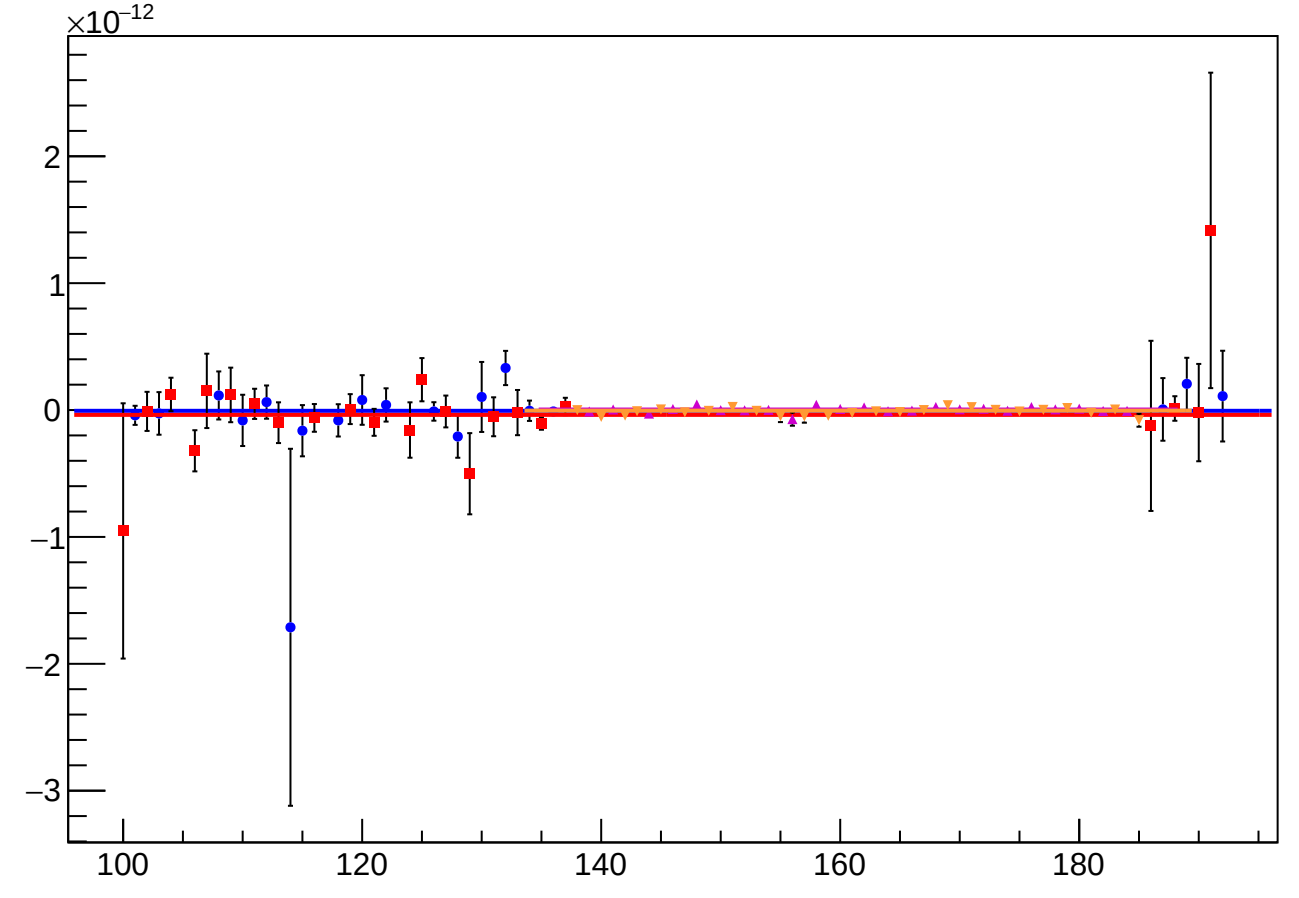
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1256.522+/-0.218 χ^2/NDF: 3255656.4/41

In: 532.594+/-0.080 χ^2/NDF:9216568.9/41

Out: 535.027+/-0.078 χ^2/NDF:10521011.8/47

All: 533.829+/-0.056 χ^2/NDF: 19738055.5/89



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: 17.2/22

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

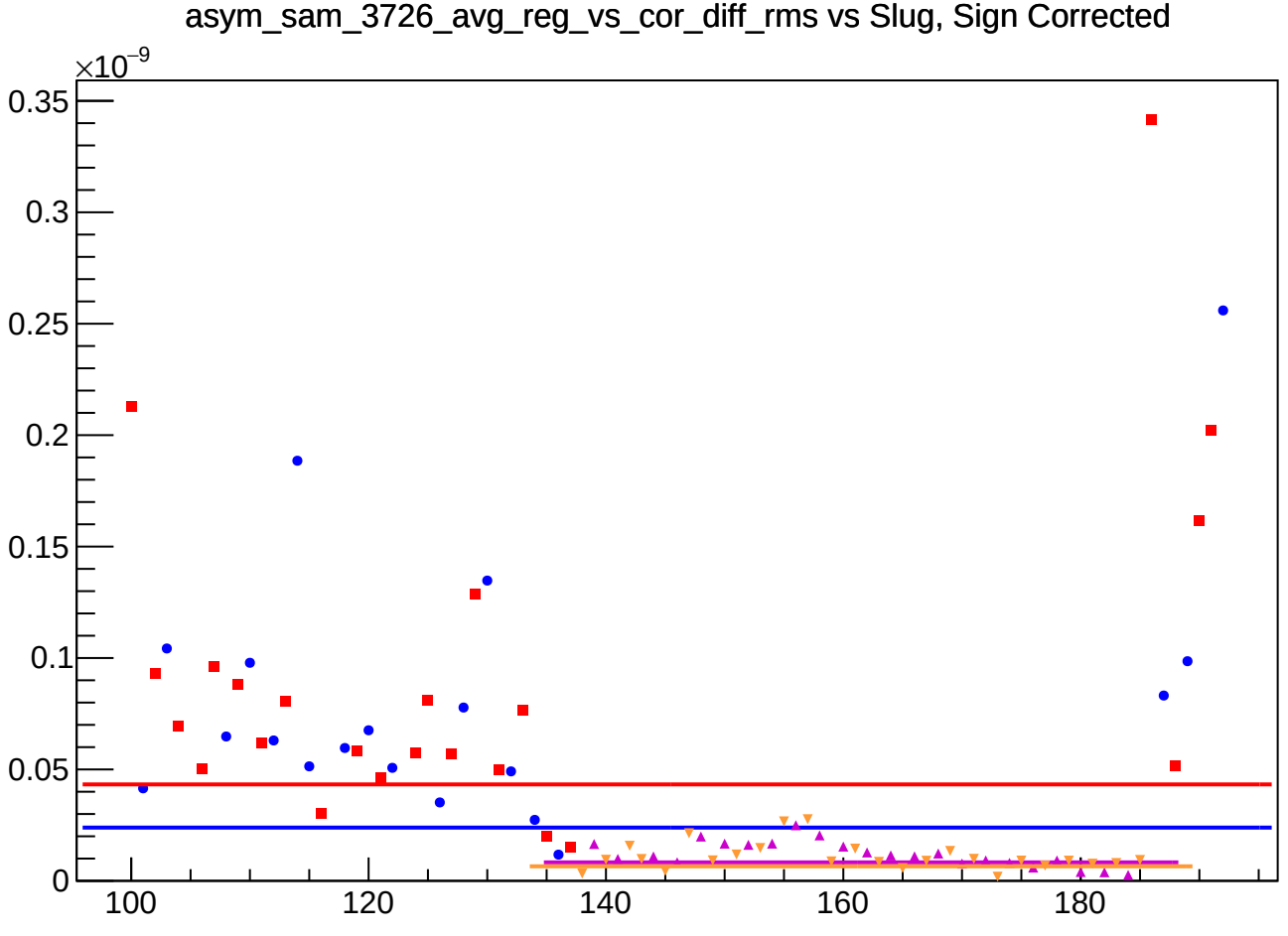
Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 31.2/41

In: 0.000+/-0.000 χ^2/NDF:28.3/41

Out: -0.000+/-0.000 χ^2/NDF:49.9/47

All: -0.000+/-0.000 χ^2/NDF: 81.5/89



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: 2491869.5/22

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

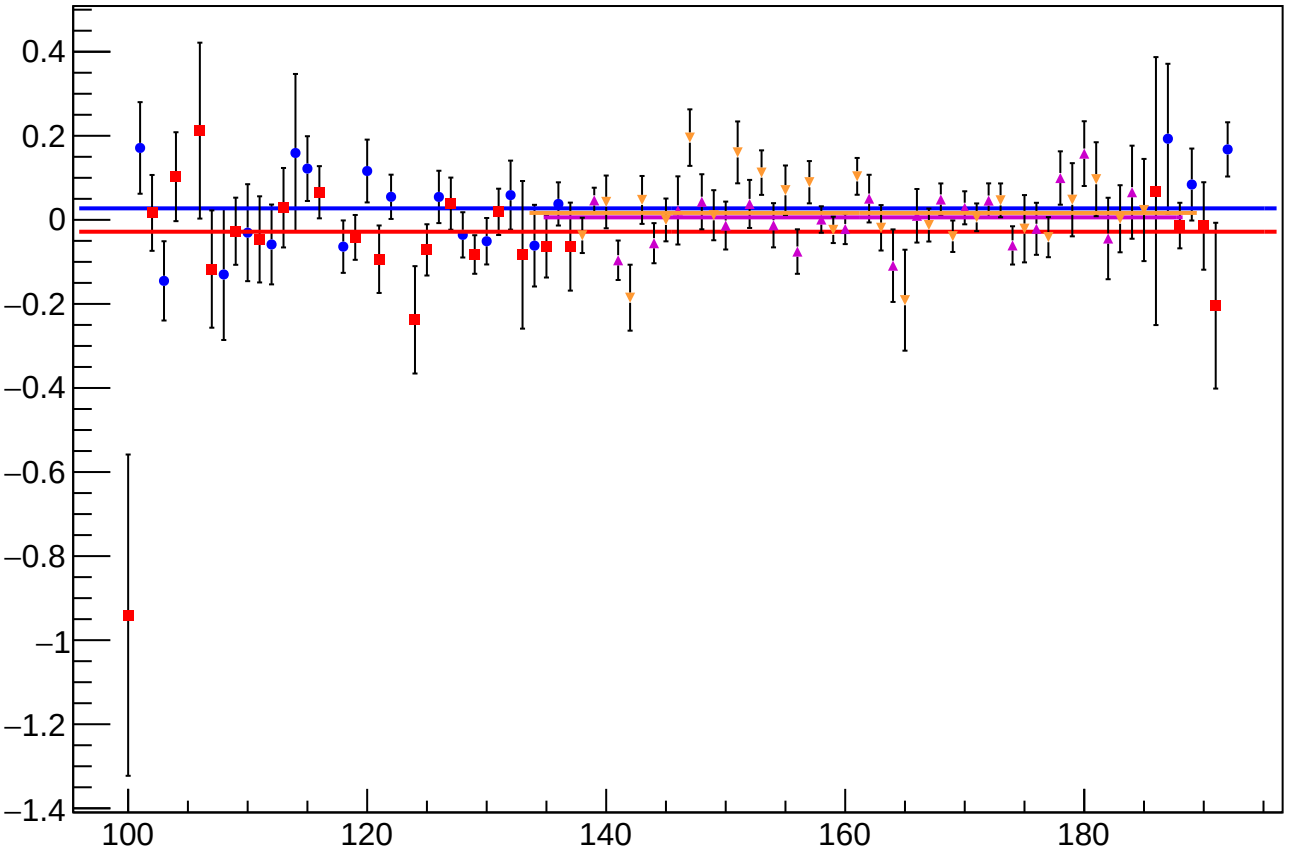
Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

Right: 0.000+/-0.000 χ^2/NDF: 7352073.1/41

In: 0.000+/-0.000 χ^2/NDF:8452523.3/41

Out: 0.000+/-0.000 χ^2/NDF:10173341.5/47

All: 0.000+/-0.000 χ^2/NDF: 18950111.6/89



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: -0.028+/-0.017 χ^2/NDF: 20.5/22

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

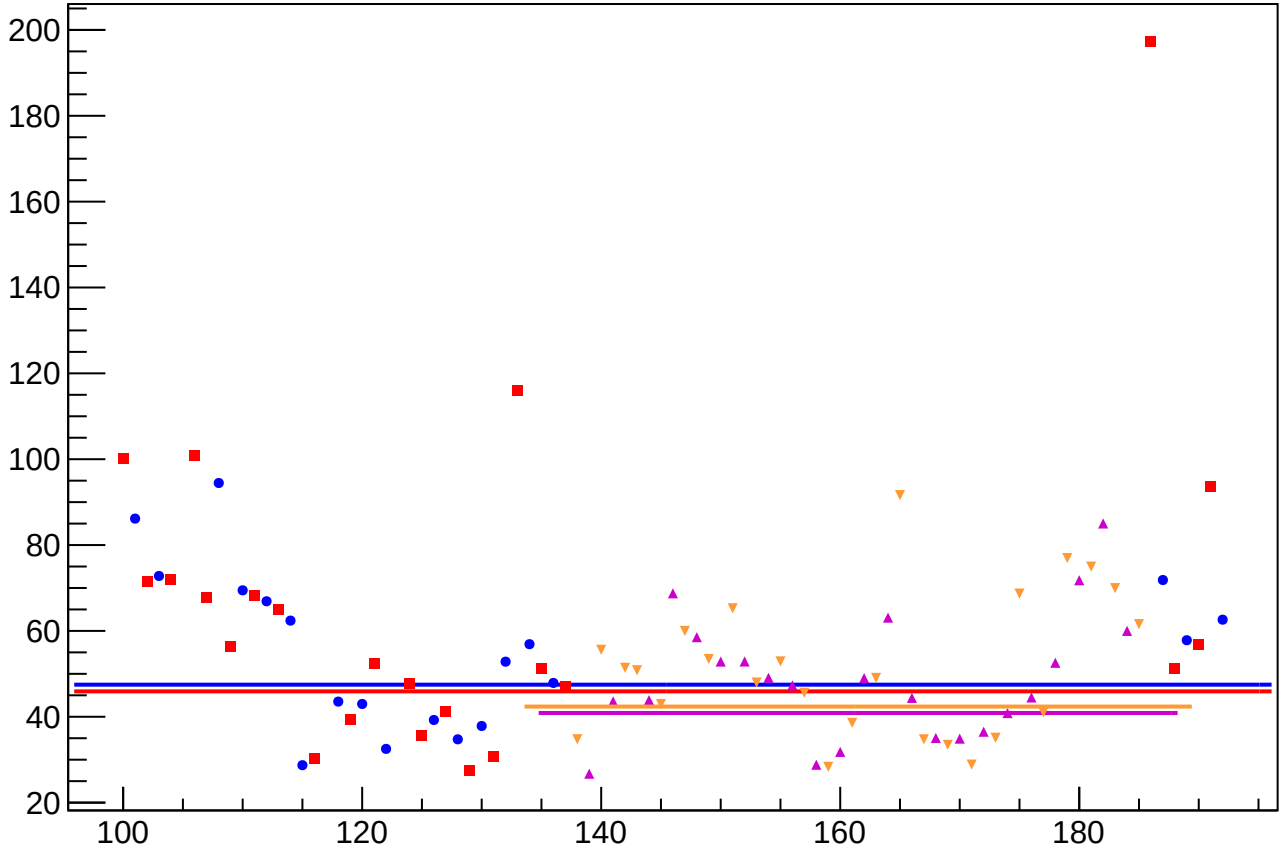
Right: -0.001+/-0.012 χ^2/NDF: 49.5/41

In: 0.012+/-0.009 χ^2/NDF:50.7/41

Out: 0.004+/-0.009 χ^2/NDF:66.8/47

All: 0.008+/-0.006 χ^2/NDF: 117.9/89

asym_sam_3726_avg_dit_vs_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: 45.913+/-0.012 χ^2/NDF: 2372697.7/22

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

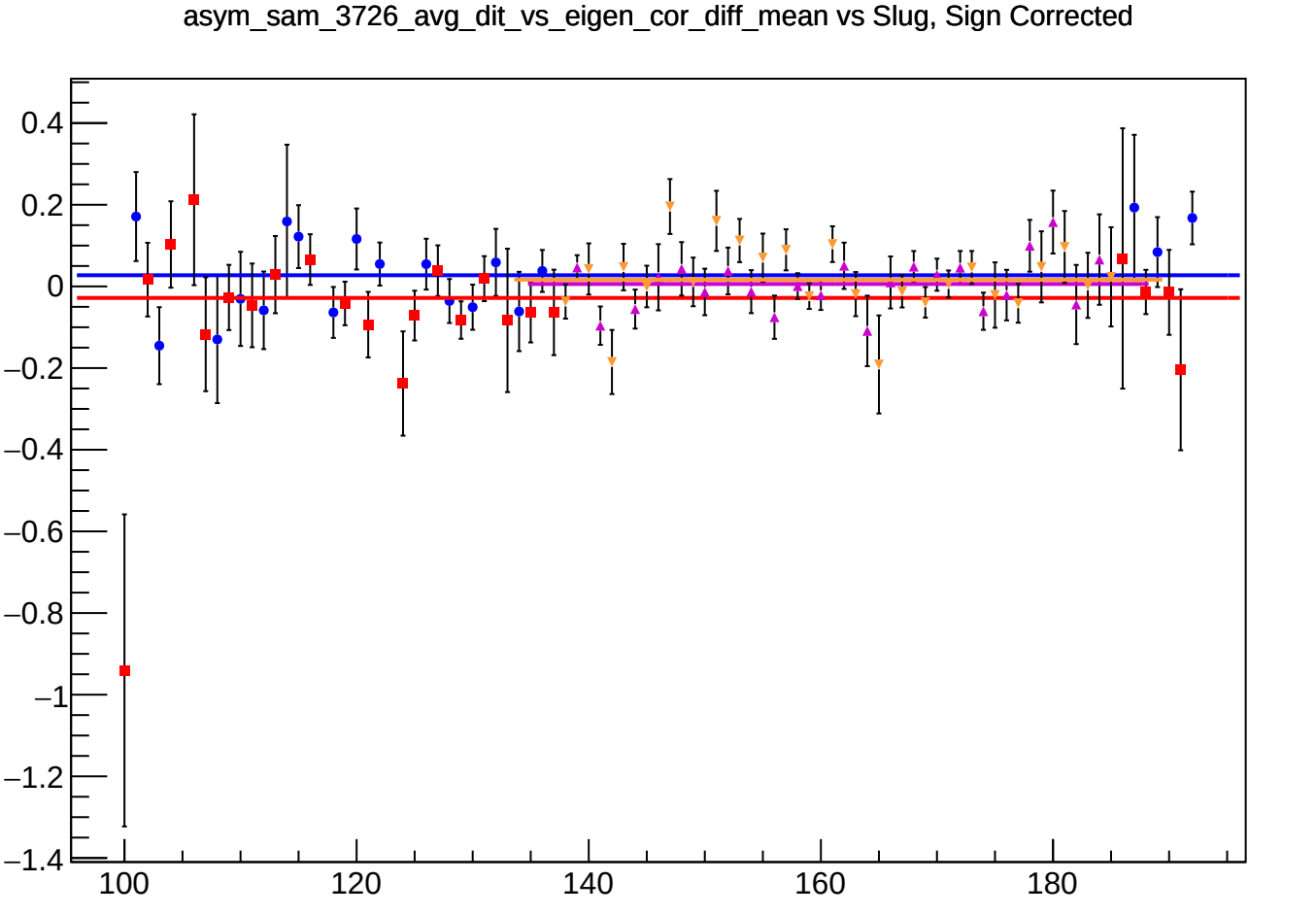
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 46.672+/-0.008 χ^2/NDF: 3834646.9/41

In: 42.620+/-0.006 χ^2/NDF:4348796.3/41

Out: 43.358+/-0.006 χ^2/NDF:5628671.6/47

All: 42.990+/-0.004 χ^2/NDF: 9984495.4/89



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: -0.028+/-0.017 χ^2/NDF: 20.5/22

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

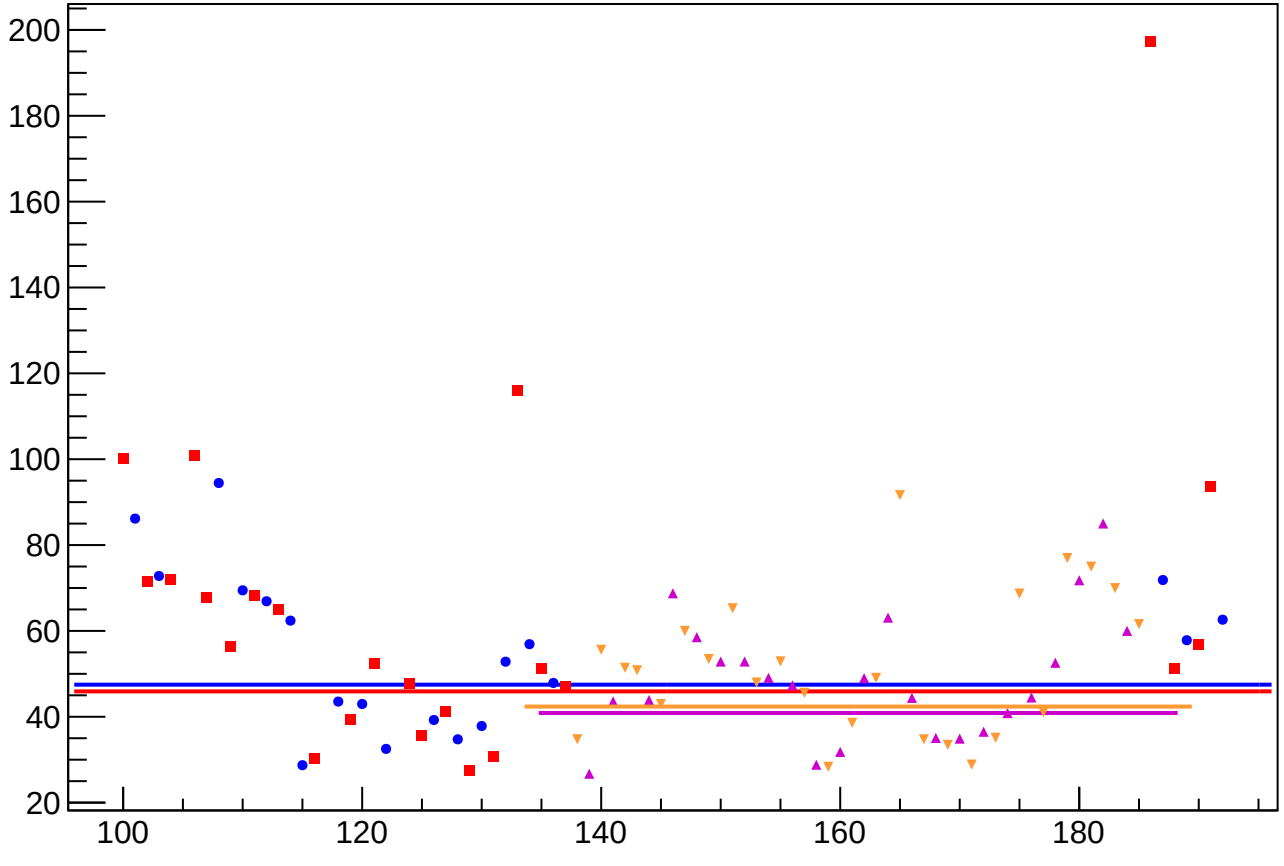
Right: -0.001+/-0.012 χ^2/NDF: 49.5/41

In: 0.012+/-0.009 χ^2/NDF:50.7/41

Out: 0.004+/-0.009 χ^2/NDF:66.8/47

All: 0.008+/-0.006 χ^2/NDF: 117.9/89

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: 45.913+/-0.012 χ^2/NDF: 2372697.7/22

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

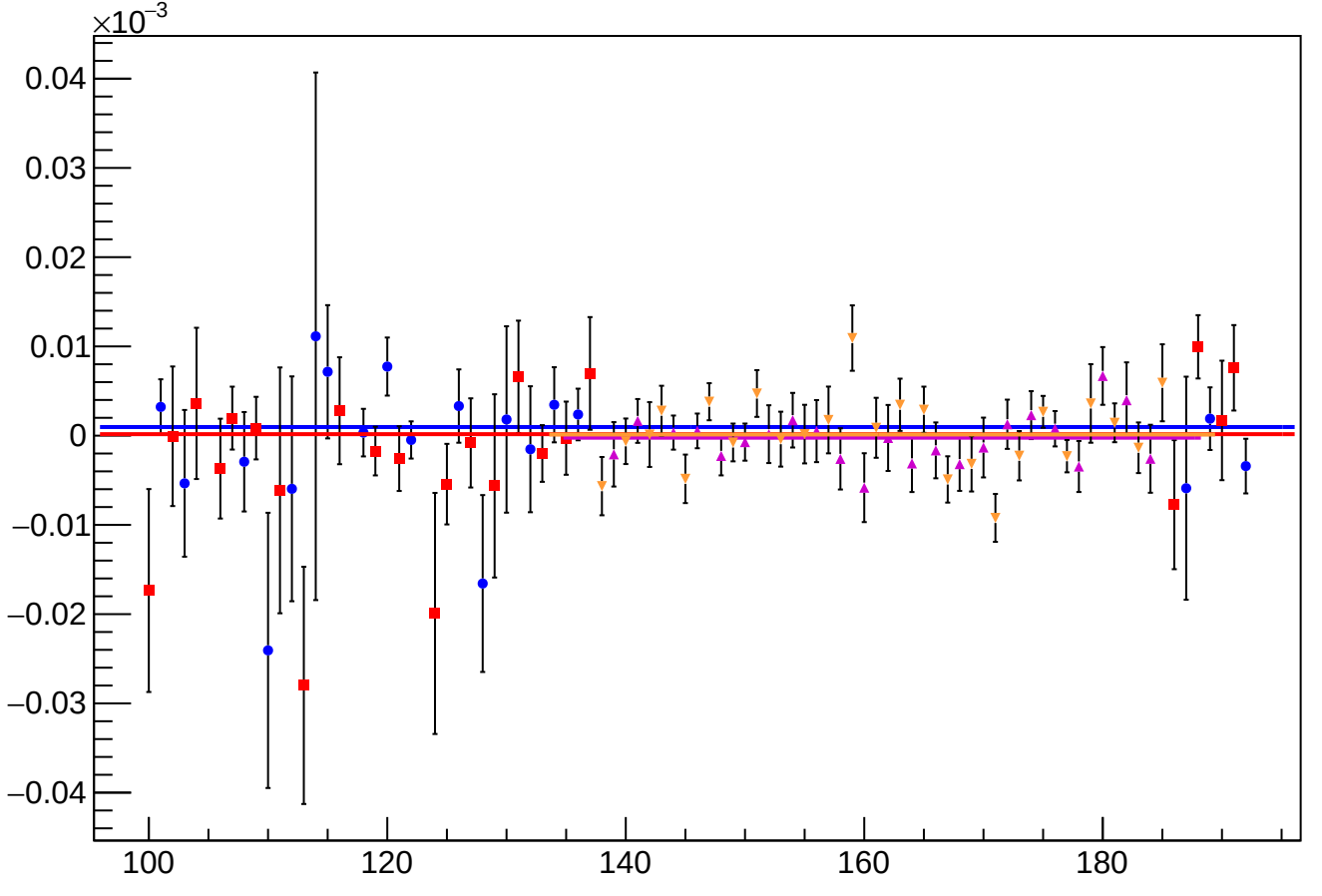
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 46.672+/-0.008 χ^2/NDF: 3834646.9/41

In: 42.620+/-0.006 χ^2/NDF:4348796.3/41

Out: 43.358+/-0.006 χ^2/NDF:5628671.6/47

All: 42.990+/-0.004 χ^2/NDF: 9984495.4/89



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: 27.3/22

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

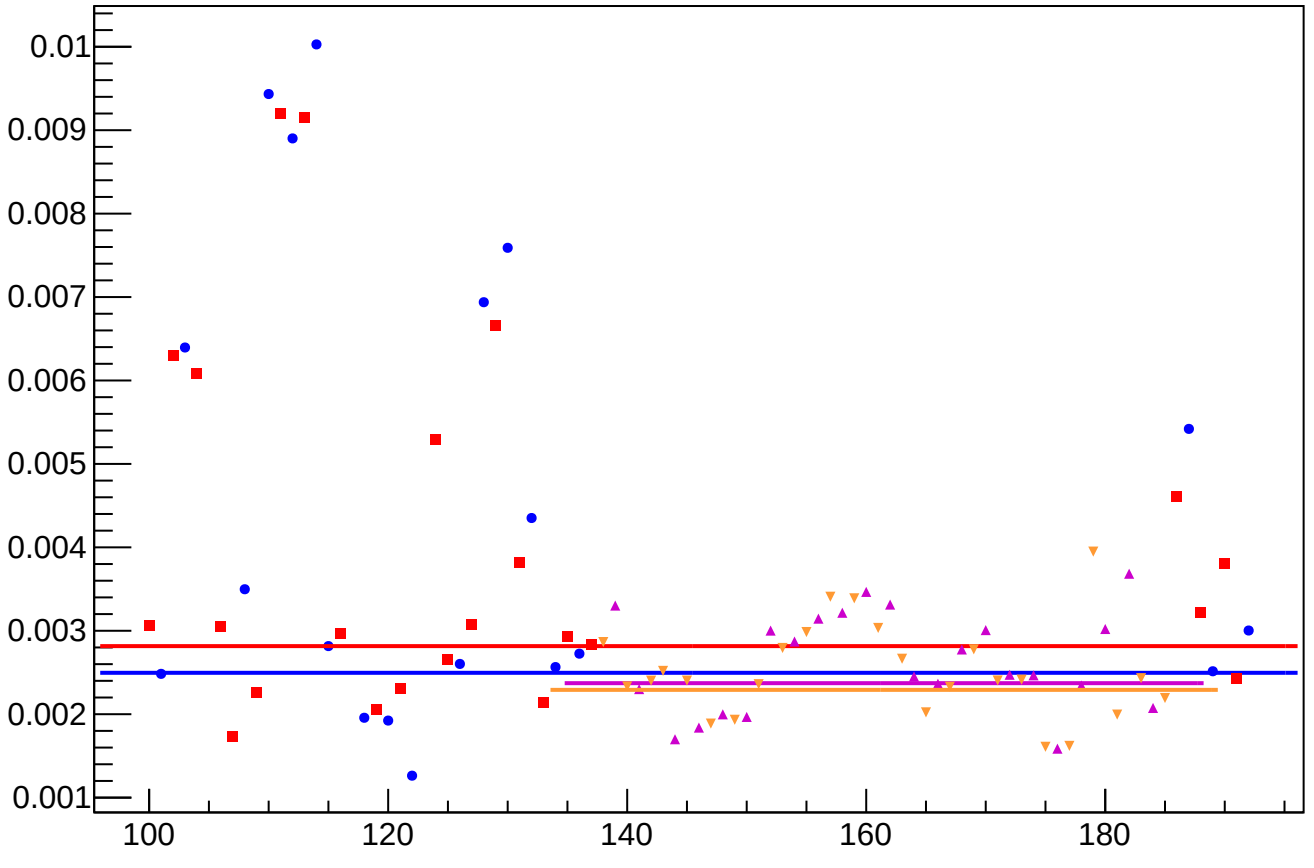
Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

Right: 0.000+/-0.000 χ^2/NDF: 44.5/41

In: 0.000+/-0.000 χ^2/NDF:33.8/41

Out: 0.000+/-0.000 χ^2/NDF:77.3/47

All: 0.000+/-0.000 χ^2/NDF: 111.1/89



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: 2723920.5/22

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

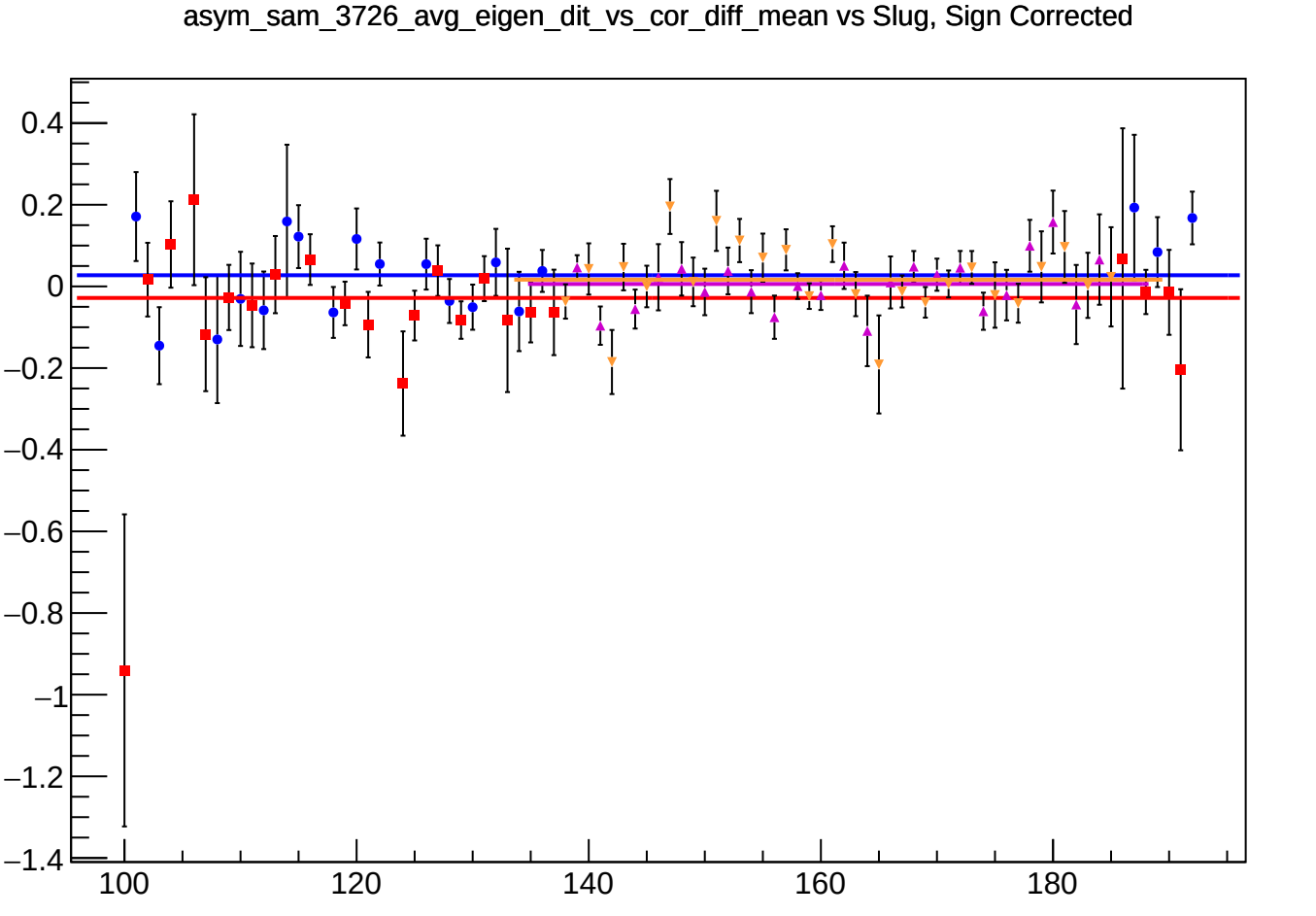
Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

Right: 0.003+/-0.000 χ^2/NDF: 6437840.8/41

In: 0.002+/-0.000 χ^2/NDF:5653838.8/41

Out: 0.002+/-0.000 χ^2/NDF:4955954.7/47

All: 0.002+/-0.000 χ^2/NDF: 10609794.1/89



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: -0.028+/-0.017 χ^2/NDF: 20.5/22

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

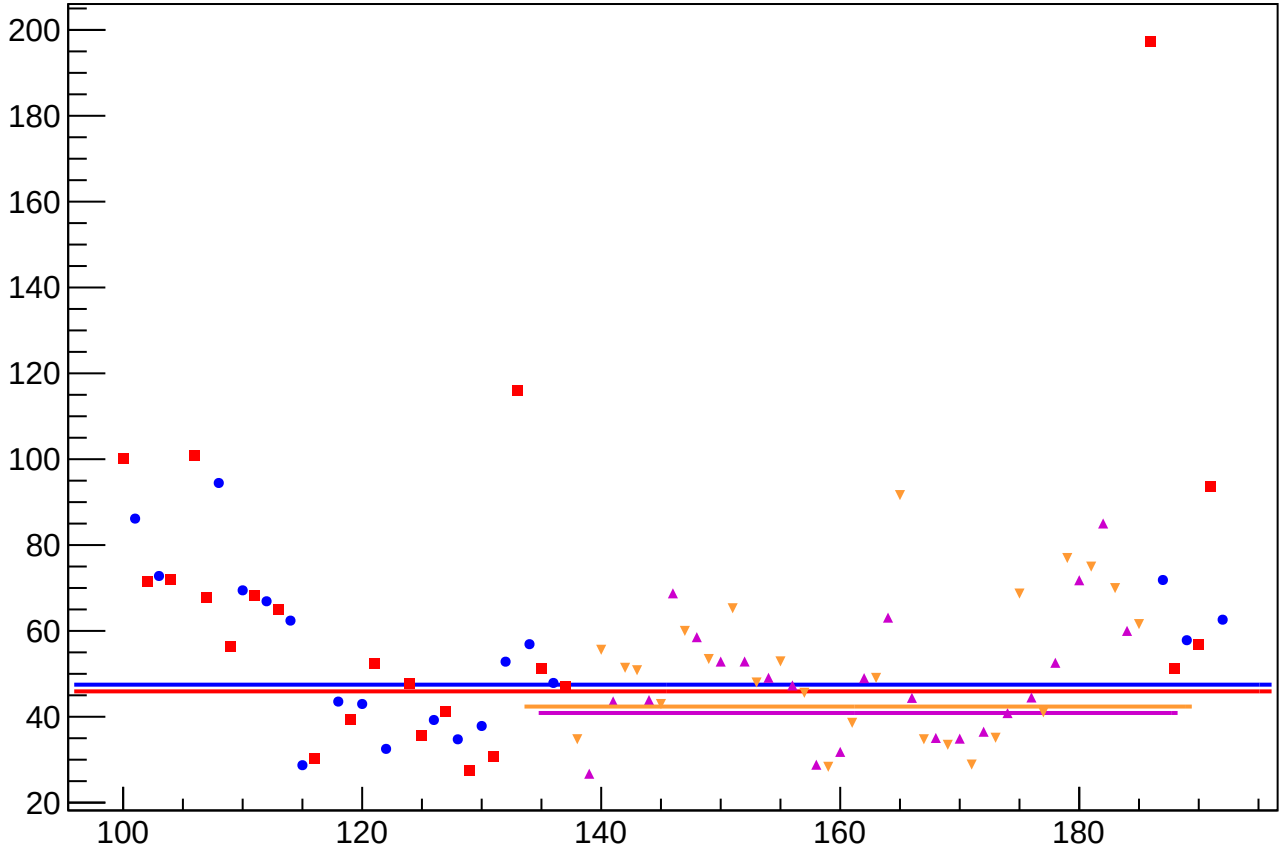
Right: -0.001+/-0.012 χ^2/NDF: 49.5/41

In: 0.012+/-0.009 χ^2/NDF:50.7/41

Out: 0.004+/-0.009 χ^2/NDF:66.8/47

All: 0.008+/-0.006 χ^2/NDF: 117.9/89

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: 45.914+/-0.012 χ^2/NDF: 2372611.8/22

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

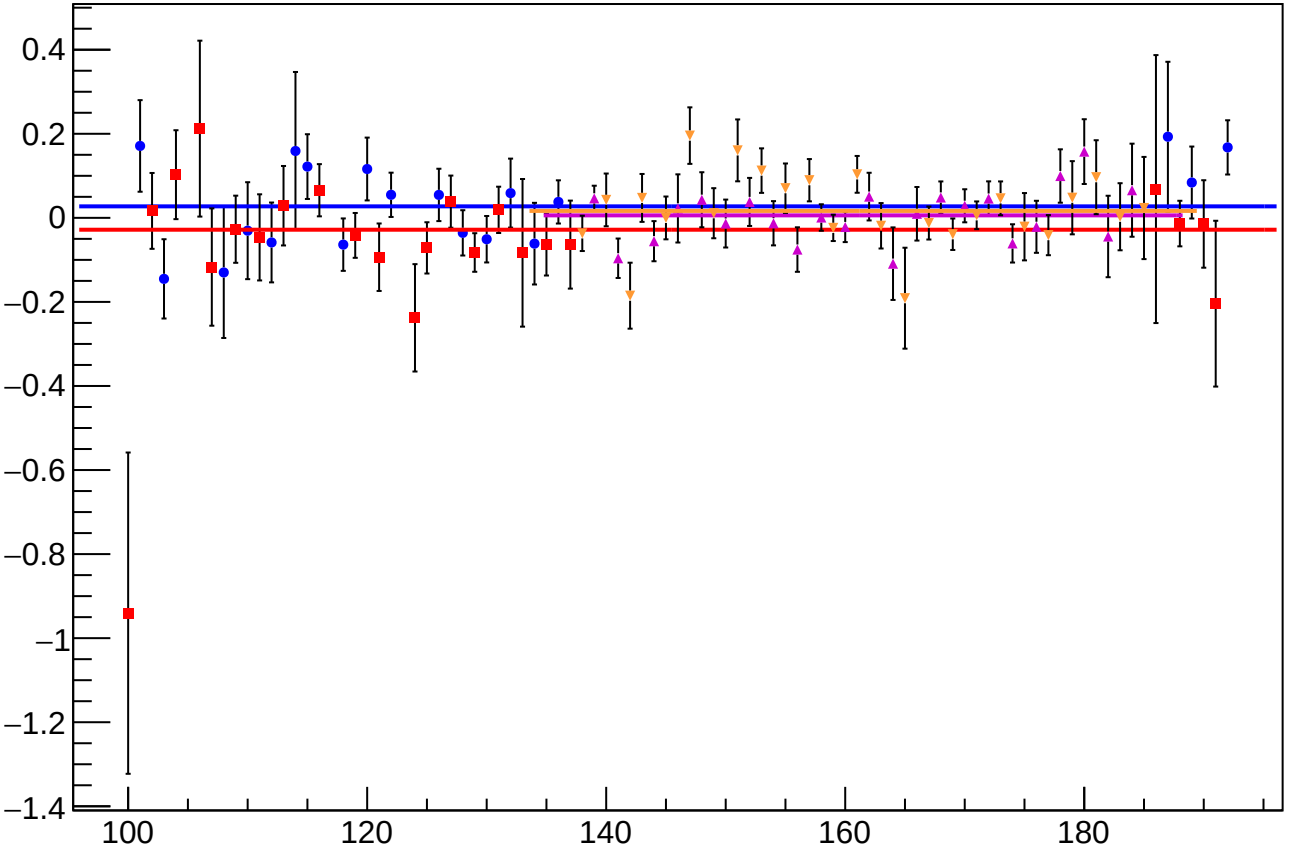
Right: 46.672+/-0.008 χ^2/NDF: 3834513.1/41

In: 42.620+/-0.006 χ^2/NDF:4348746.3/41

Out: 43.359+/-0.006 χ^2/NDF:5628616.2/47

All: 42.991+/-0.004 χ^2/NDF: 9984390.7/89

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: -0.028+/-0.017 χ^2/NDF: 20.5/22

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

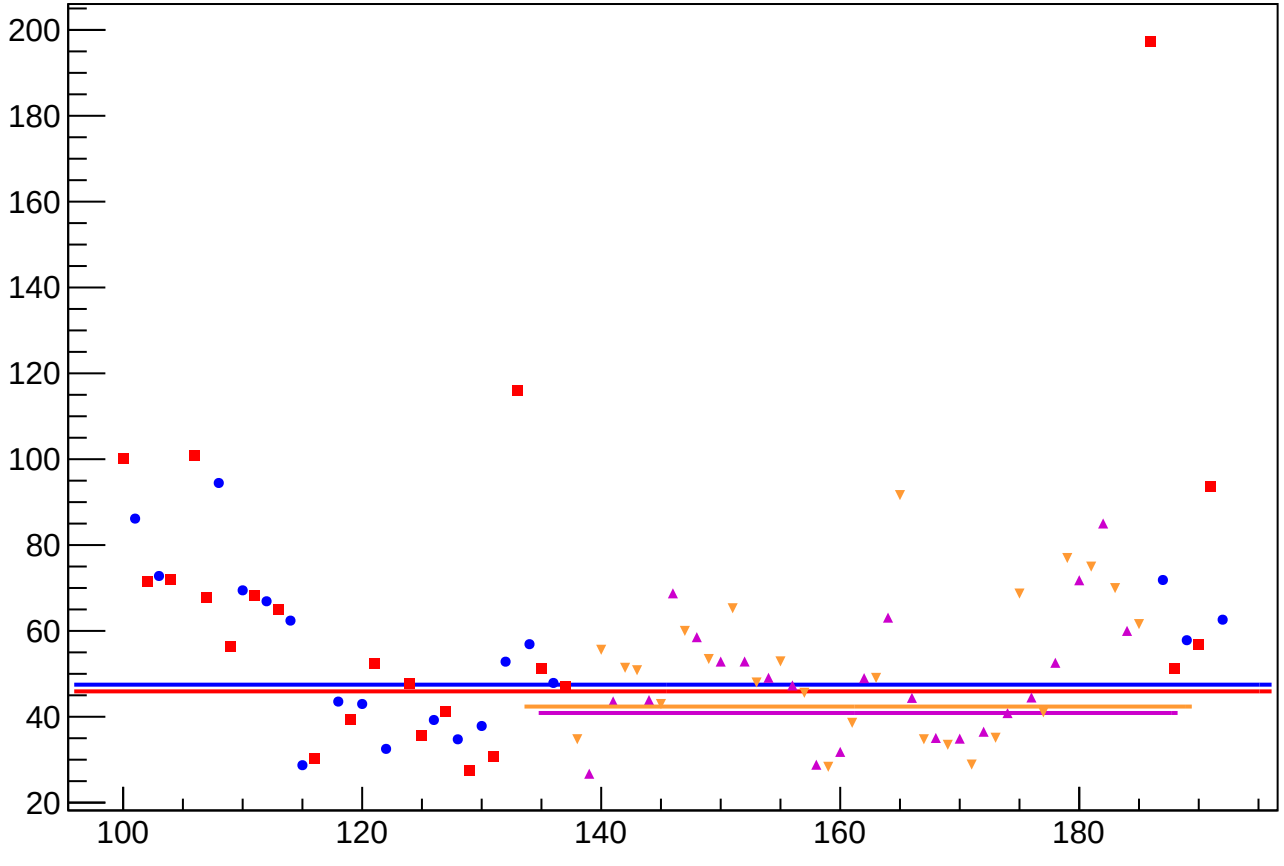
Right: -0.001+/-0.012 χ^2/NDF: 49.5/41

In: 0.012+/-0.009 χ^2/NDF:50.7/41

Out: 0.004+/-0.009 χ^2/NDF:66.8/47

All: 0.008+/-0.006 χ^2/NDF: 117.9/89

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: 45.914+/-0.012 χ^2/NDF: 2372611.8/22

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

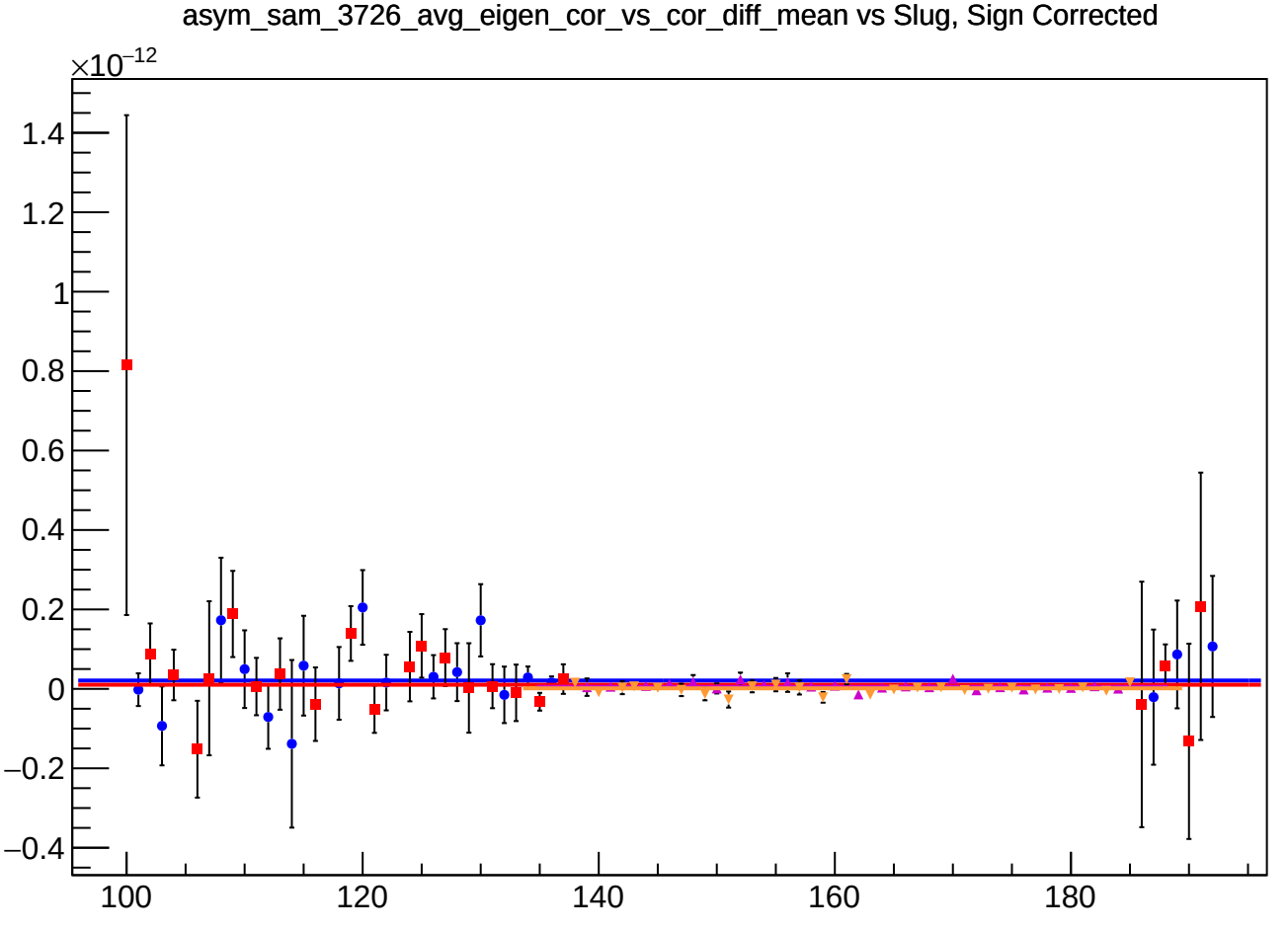
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

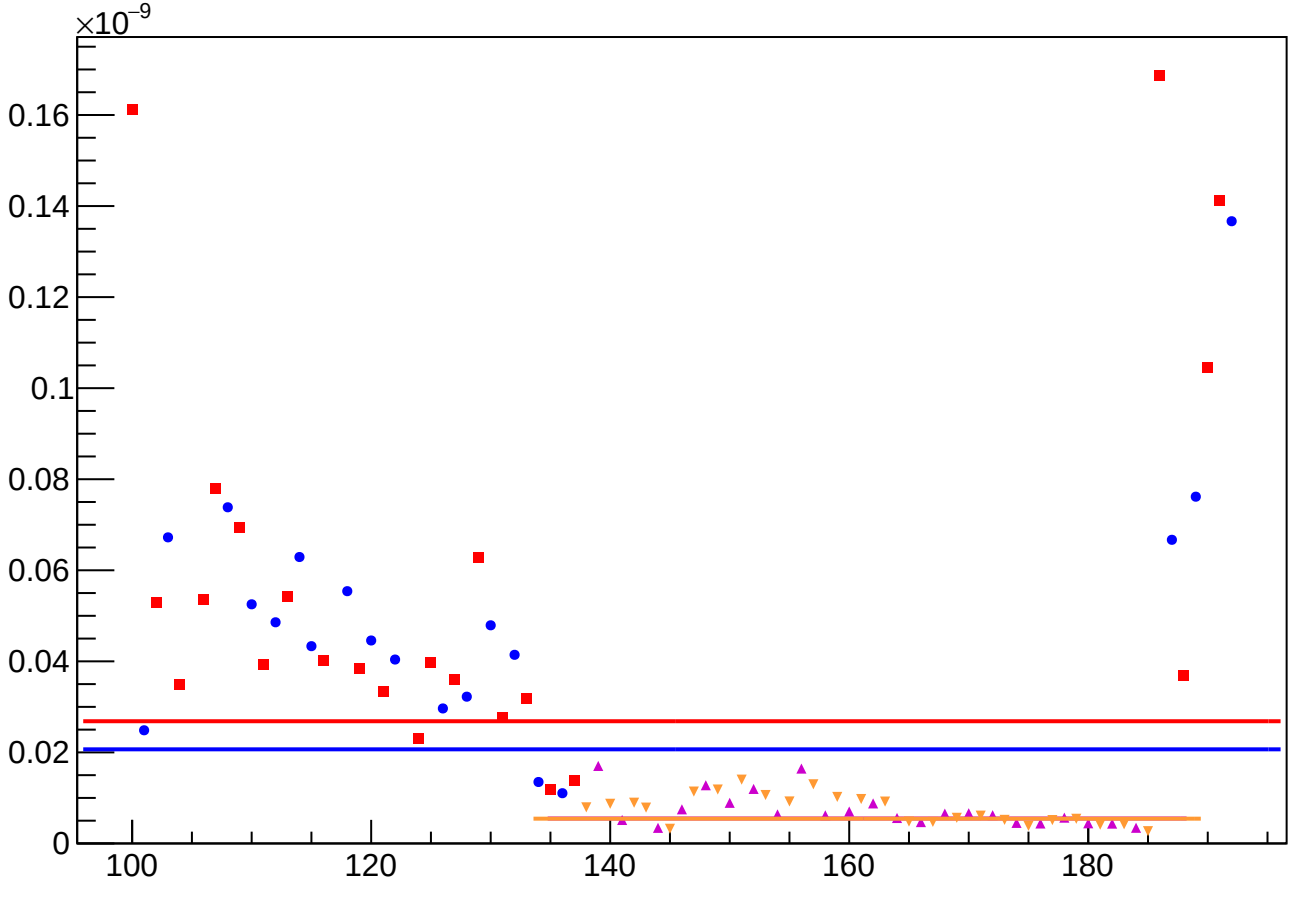
Right: 46.672+/-0.008 χ^2/NDF: 3834513.1/41

In: 42.620+/-0.006 χ^2/NDF:4348746.3/41

Out: 43.359+/-0.006 χ^2/NDF:5628616.2/47

All: 42.991+/-0.004 χ^2/NDF: 9984390.7/89


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: 20.2/22
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: 32.9/41
In: 0.000+/-0.000 χ²/NDF:27.5/41
Out: 0.000+/-0.000 χ²/NDF:40.3/47
All: 0.000+/-0.000 χ²/NDF: 70.4/89



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: 3639892.6/22

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

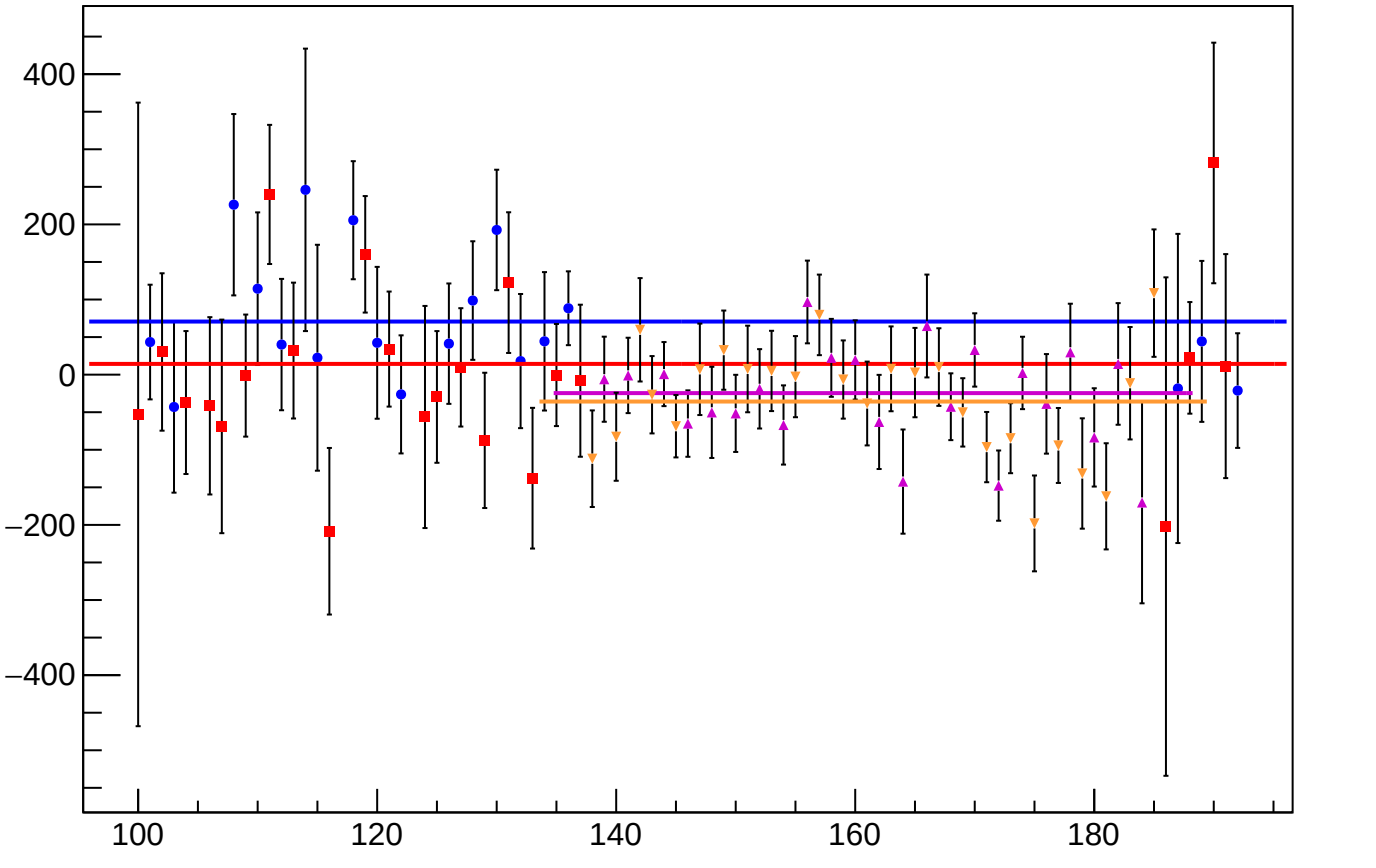
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 8487370.6/41

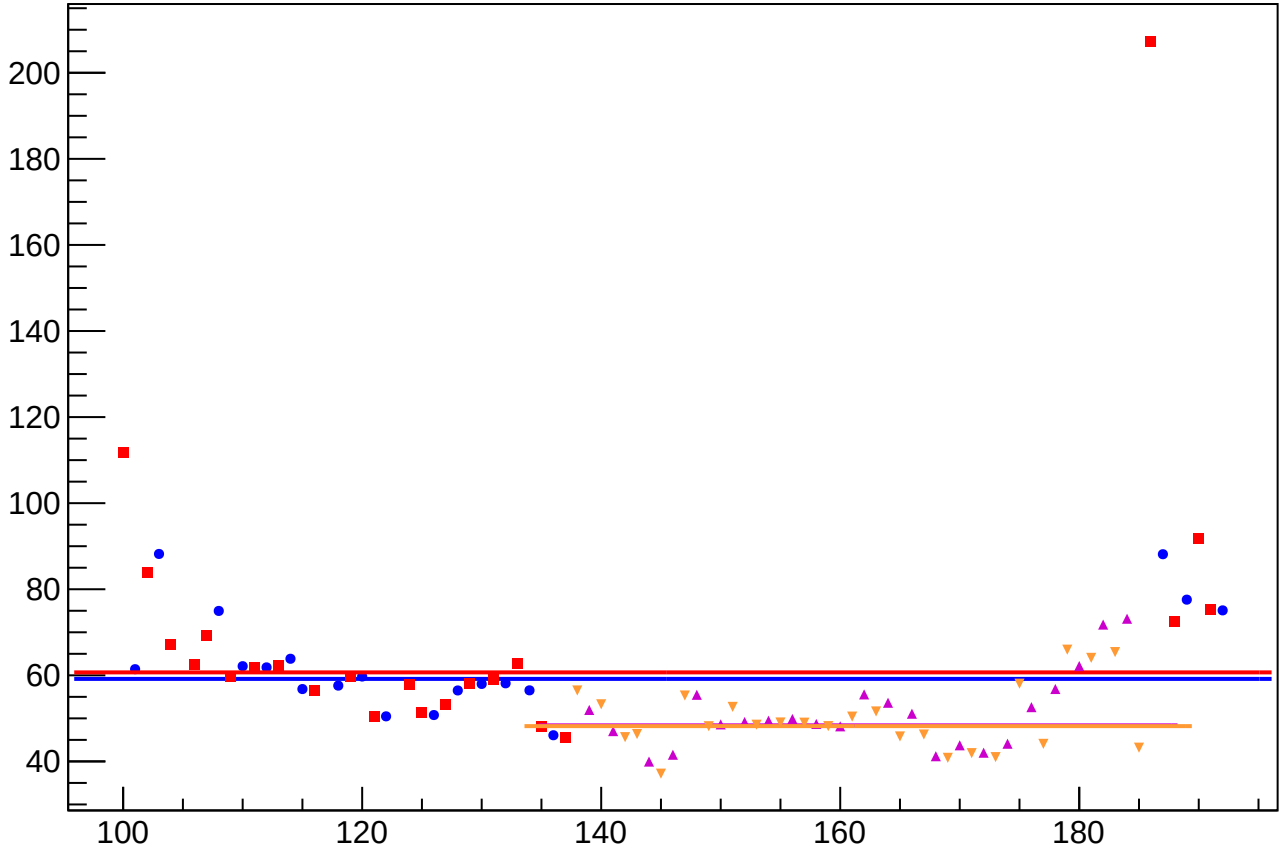
In: 0.000+/-0.000 χ^2/NDF:11049415.0/41

Out: 0.000+/-0.000 χ^2/NDF:12554759.9/47

All: 0.000+/-0.000 χ^2/NDF: 23605348.8/89


reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
120
140
160
180
Right In: 70.684+/-20.199 χ²/NDF: 13.4/18
Left Out: -35.787+/-11.119 χ²/NDF:33.7/24
Right Out: 14.305+/-20.352 χ²/NDF: 23.6/22
Left In: -24.572+/-11.471 χ²/NDF:25.7/22
Left: -30.354+/-7.984 χ²/NDF: 59.9/47
Right: 42.708+/-14.337 χ²/NDF: 40.9/41
In: -1.342+/-9.975 χ²/NDF:56.0/41
Out: -24.272+/-9.758 χ²/NDF:62.0/47
All: -13.059+/-6.975 χ²/NDF: 120.7/89

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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: 60.685+/-0.014 χ^2/NDF: 877707.0/22

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

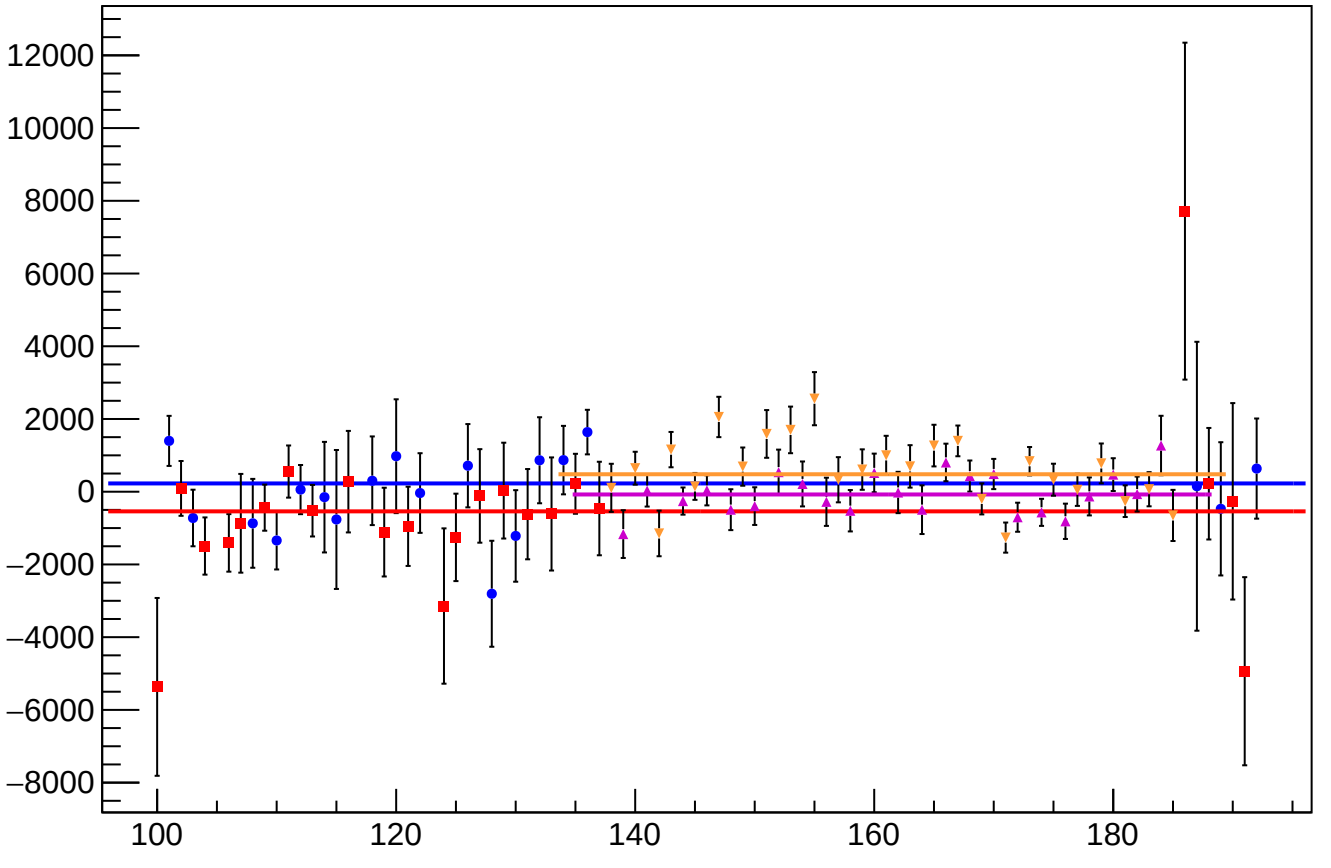
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 59.922+/-0.010 χ^2/NDF: 1433971.1/41

In: 51.012+/-0.007 χ^2/NDF:1677624.4/41

Out: 51.069+/-0.007 χ^2/NDF:2237784.1/47

All: 51.041+/-0.005 χ^2/NDF: 3915441.7/89



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: -540.195+/-222.920 χ^2/NDF: 19.7/22

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

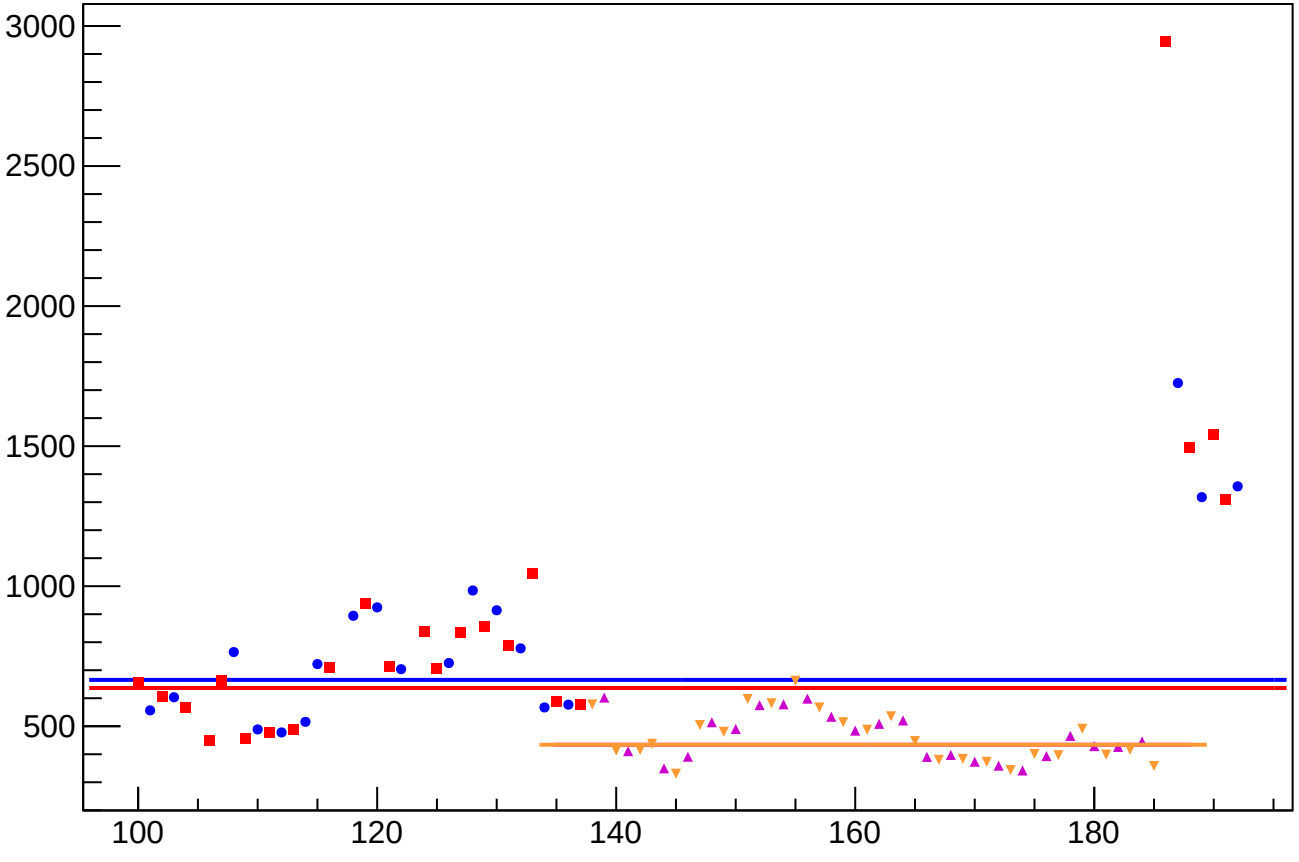
Right: -176.872+/-161.802 χ^2/NDF: 47.2/41

In: -26.759+/-94.449 χ^2/NDF:47.7/41

Out: 307.777+/-91.639 χ^2/NDF:106.3/47

All: 145.560+/-65.770 χ^2/NDF: 160.5/89

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: 636.575+/-0.158 χ^2/NDF: 2406657.9/22

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

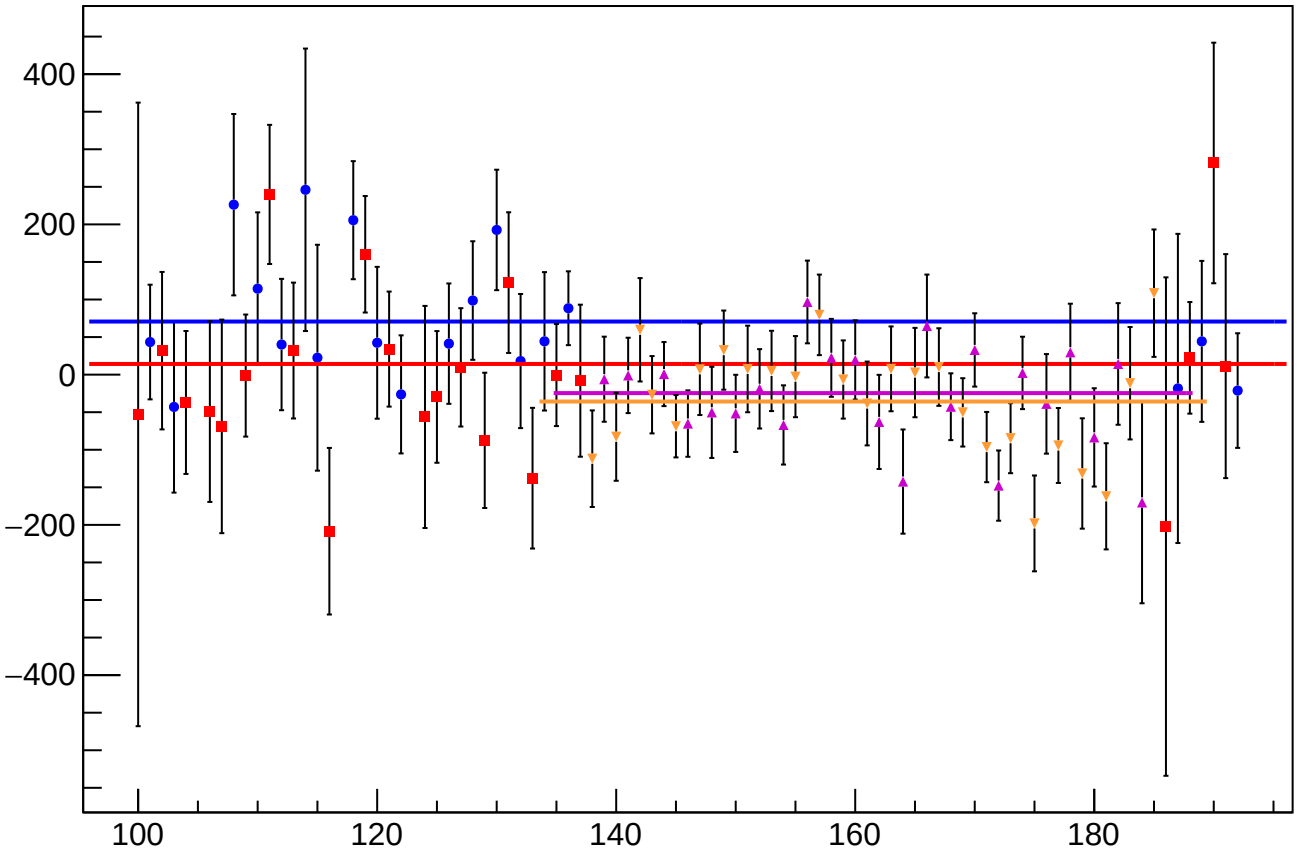
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 650.268+/-0.114 χ^2/NDF: 4060248.4/41

In: 471.094+/-0.067 χ^2/NDF:4361423.0/41

Out: 468.188+/-0.065 χ^2/NDF:5023594.6/47

All: 469.597+/-0.047 χ^2/NDF: 9385993.0/89



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: 14.212+/-20.364 χ^2/NDF: 23.7/22

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

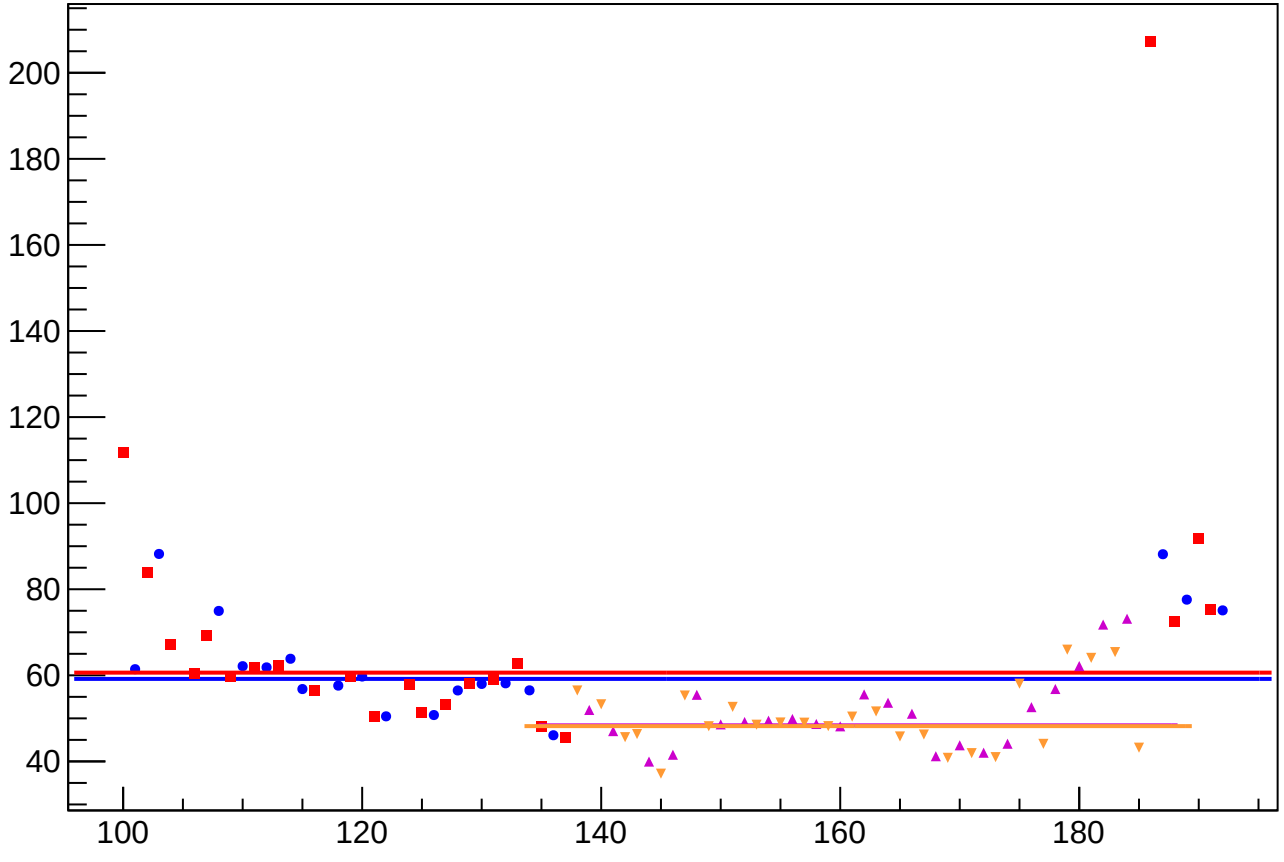
Right: 42.679+/-14.341 χ^2/NDF: 41.0/41

In: -1.342+/-9.975 χ^2/NDF:56.0/41

Out: -24.307+/-9.759 χ^2/NDF:62.0/47

All: -13.075+/-6.976 χ^2/NDF: 120.7/89

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: 60.625+/-0.014 χ^2/NDF: 877468.9/22

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

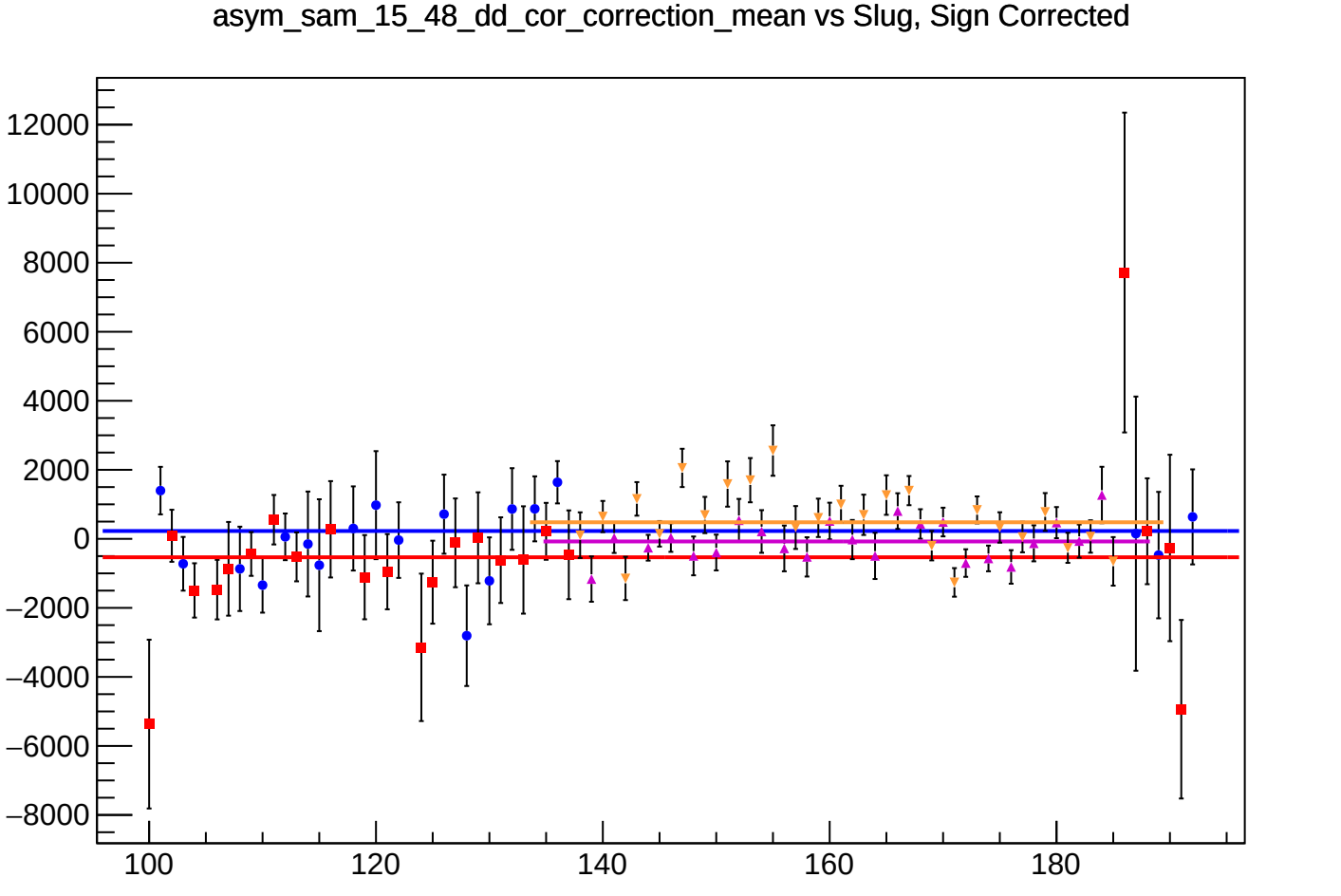
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 59.892+/-0.010 χ^2/NDF: 1433301.2/41

In: 51.012+/-0.007 χ^2/NDF:1677628.4/41

Out: 51.053+/-0.007 χ^2/NDF:2231505.6/47

All: 51.033+/-0.005 χ^2/NDF: 3909151.0/89



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: -533.736+/-224.347 χ^2/NDF: 19.7/22

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

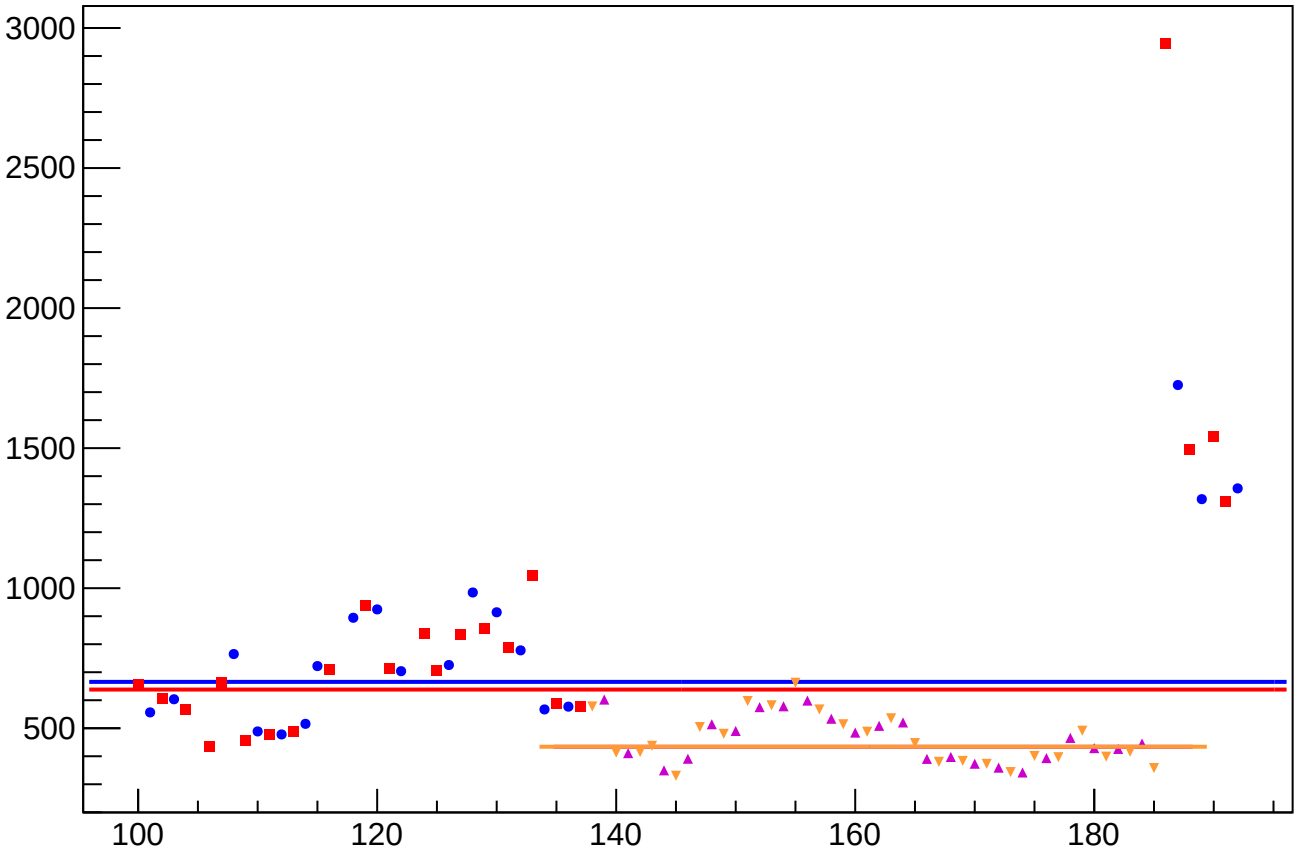
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -171.033+/-162.346 χ^2/NDF: 47.0/41

In: -26.756+/-94.449 χ^2/NDF:47.7/41

Out: 310.673+/-91.737 χ^2/NDF:105.9/47

All: 146.873+/-65.806 χ^2/NDF: 160.2/89



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: 638.121+/-0.159 χ^2/NDF: 2402278.4/22

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

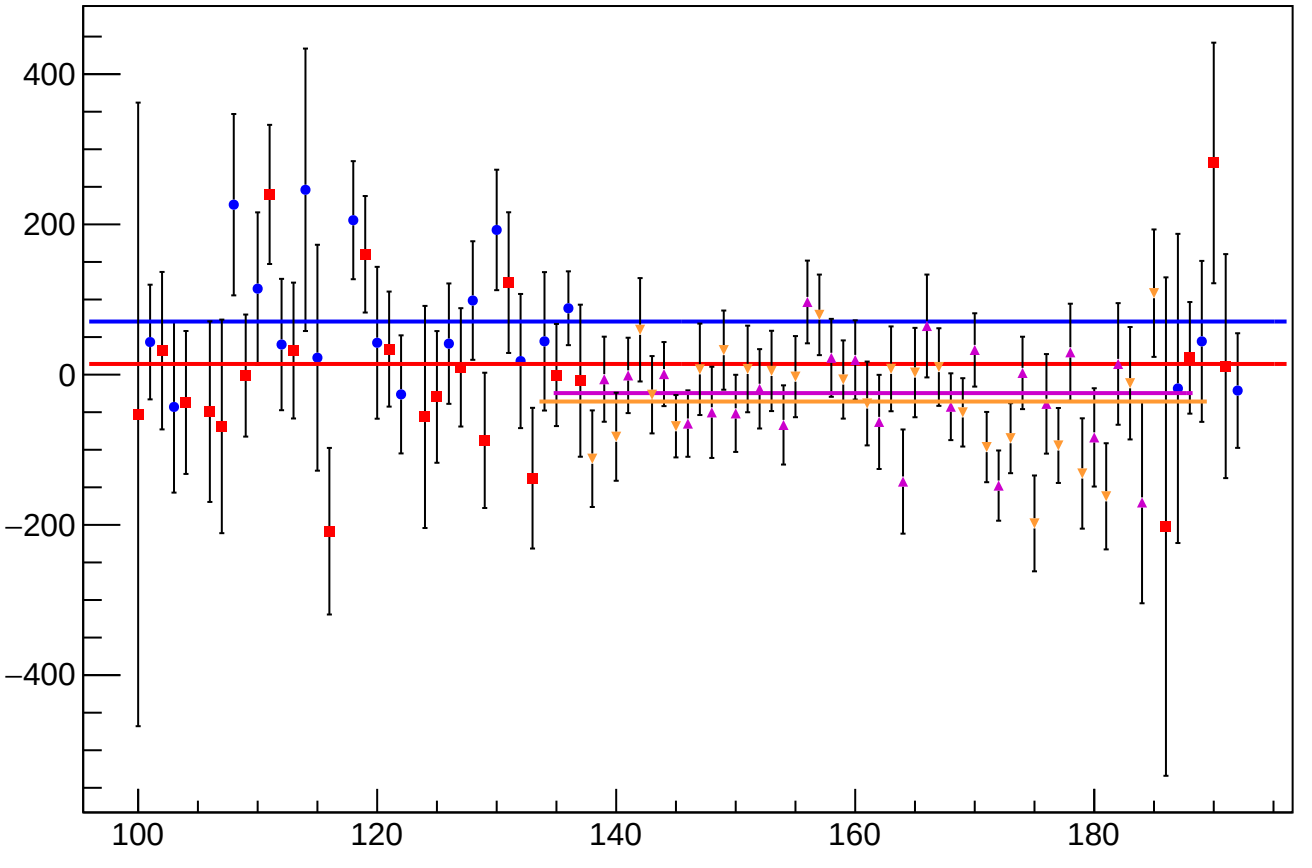
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 651.172+/-0.115 χ^2/NDF: 4054108.3/41

In: 471.094+/-0.067 χ^2/NDF:4361451.8/41

Out: 468.085+/-0.065 χ^2/NDF:5025534.4/47

All: 469.546+/-0.047 χ^2/NDF: 9388031.2/89



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: 14.212+/-20.364 χ^2/NDF: 23.7/22

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

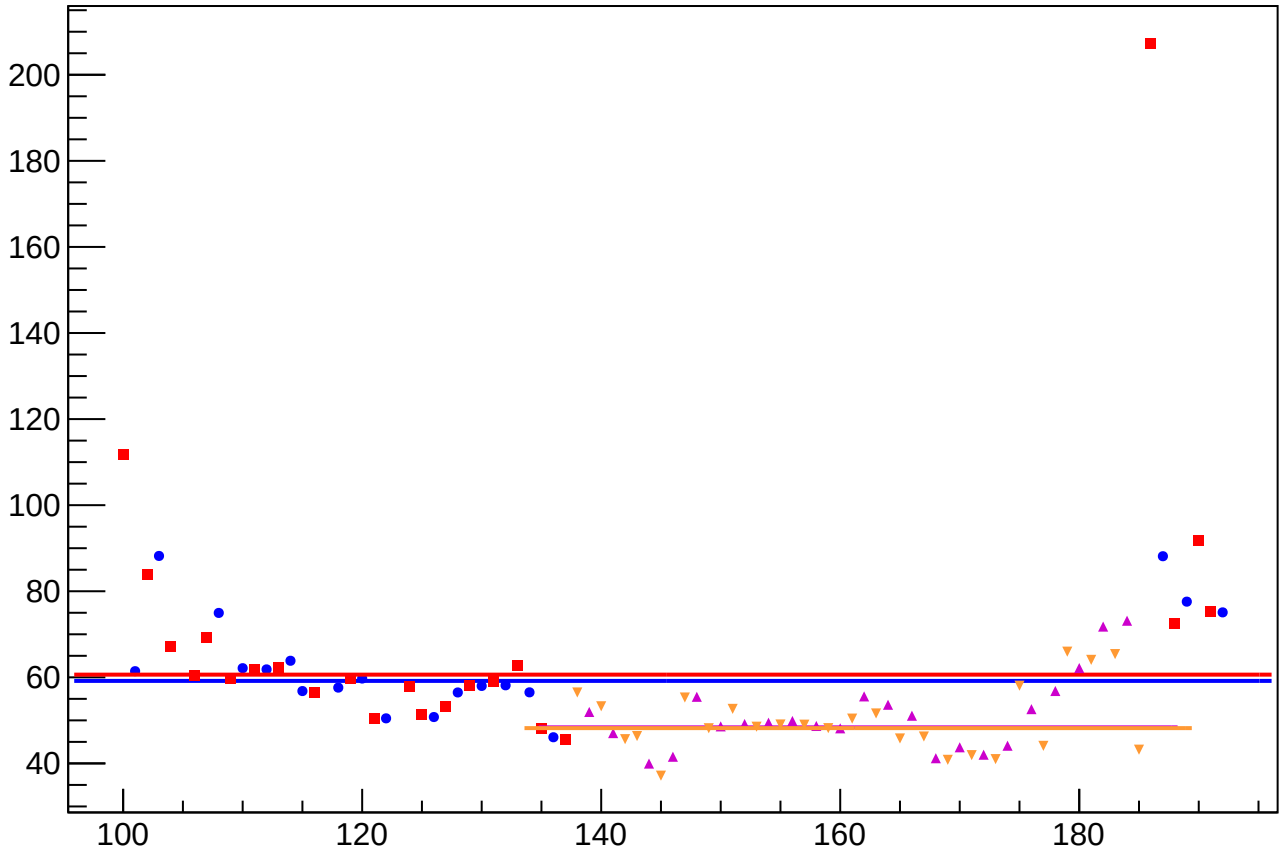
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 42.679+/-14.341 χ^2/NDF: 41.0/41

In: -1.342+/-9.975 χ^2/NDF:56.0/41

Out: -24.307+/-9.759 χ^2/NDF:62.0/47

All: -13.075+/-6.976 χ^2/NDF: 120.7/89



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: 60.625+/-0.014 χ^2/NDF: 877468.9/22

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

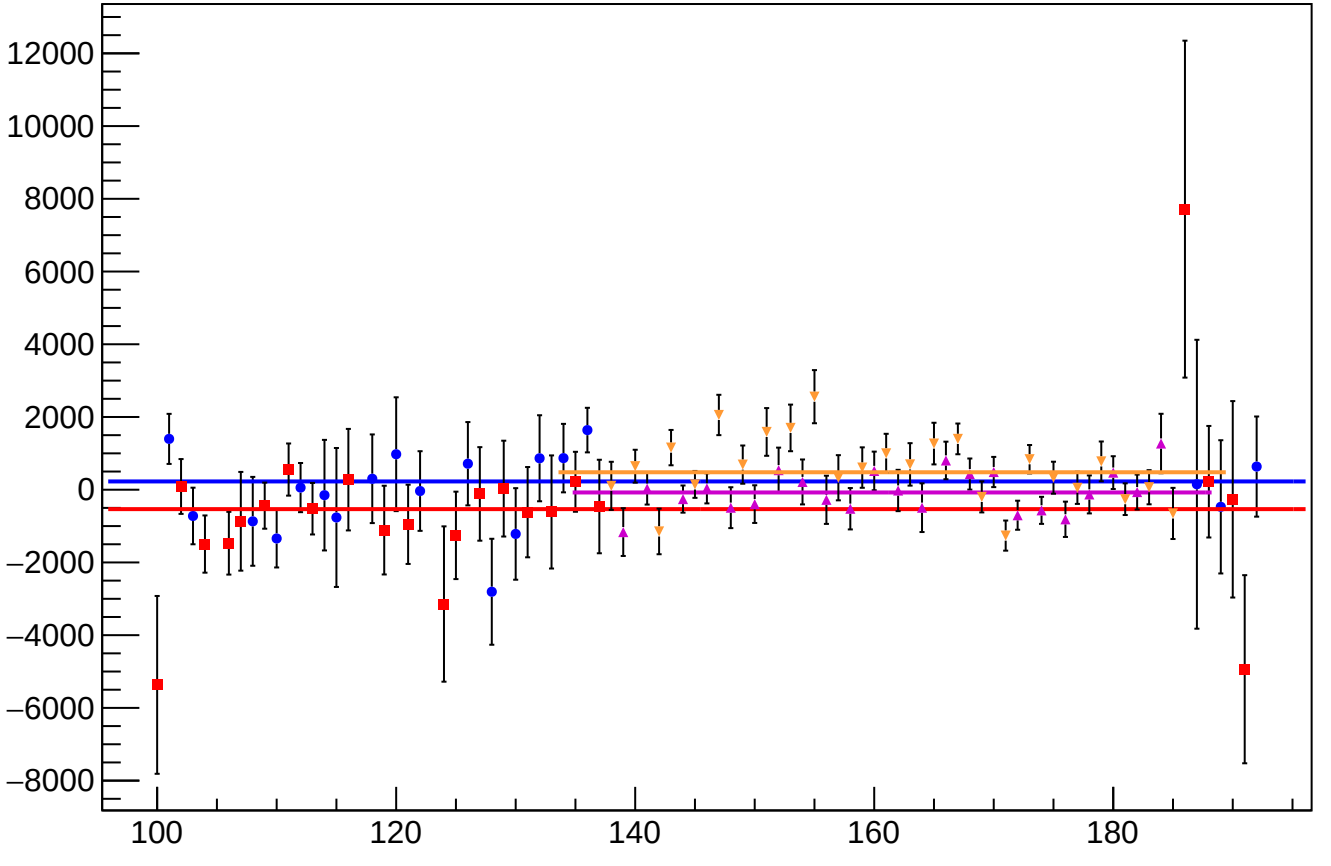
Right: 59.892+/-0.010 χ^2/NDF: 1433301.2/41

In: 51.012+/-0.007 χ^2/NDF:1677628.4/41

Out: 51.053+/-0.007 χ^2/NDF:2231505.6/47

All: 51.033+/-0.005 χ^2/NDF: 3909151.0/89

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: -533.736+/-224.347 χ^2/NDF: 19.7/22

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

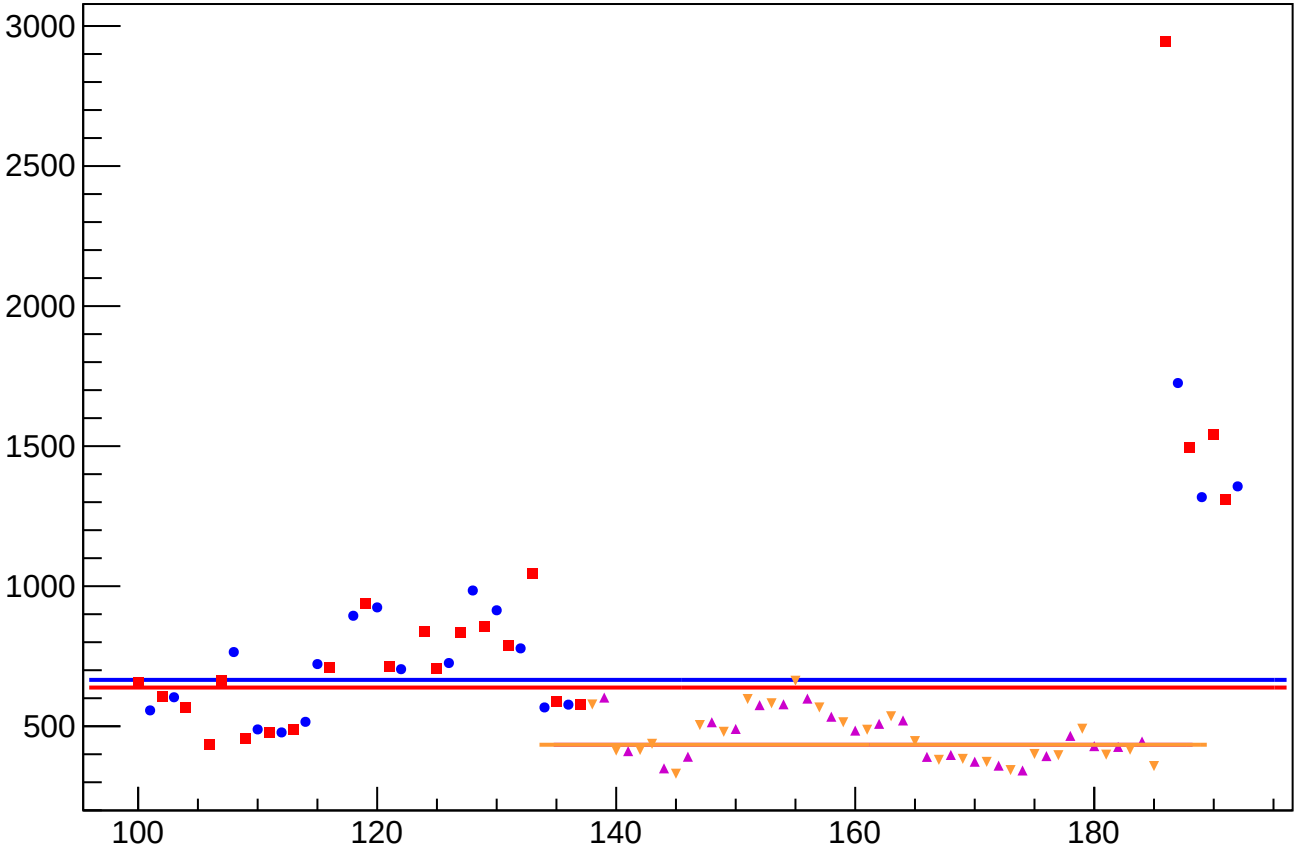
Right: -171.033+/-162.346 χ^2/NDF: 47.0/41

In: -26.756+/-94.449 χ^2/NDF:47.7/41

Out: 310.673+/-91.737 χ^2/NDF:105.9/47

All: 146.873+/-65.806 χ^2/NDF: 160.2/89

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: 638.121+/-0.159 χ^2/NDF: 2402278.4/22

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

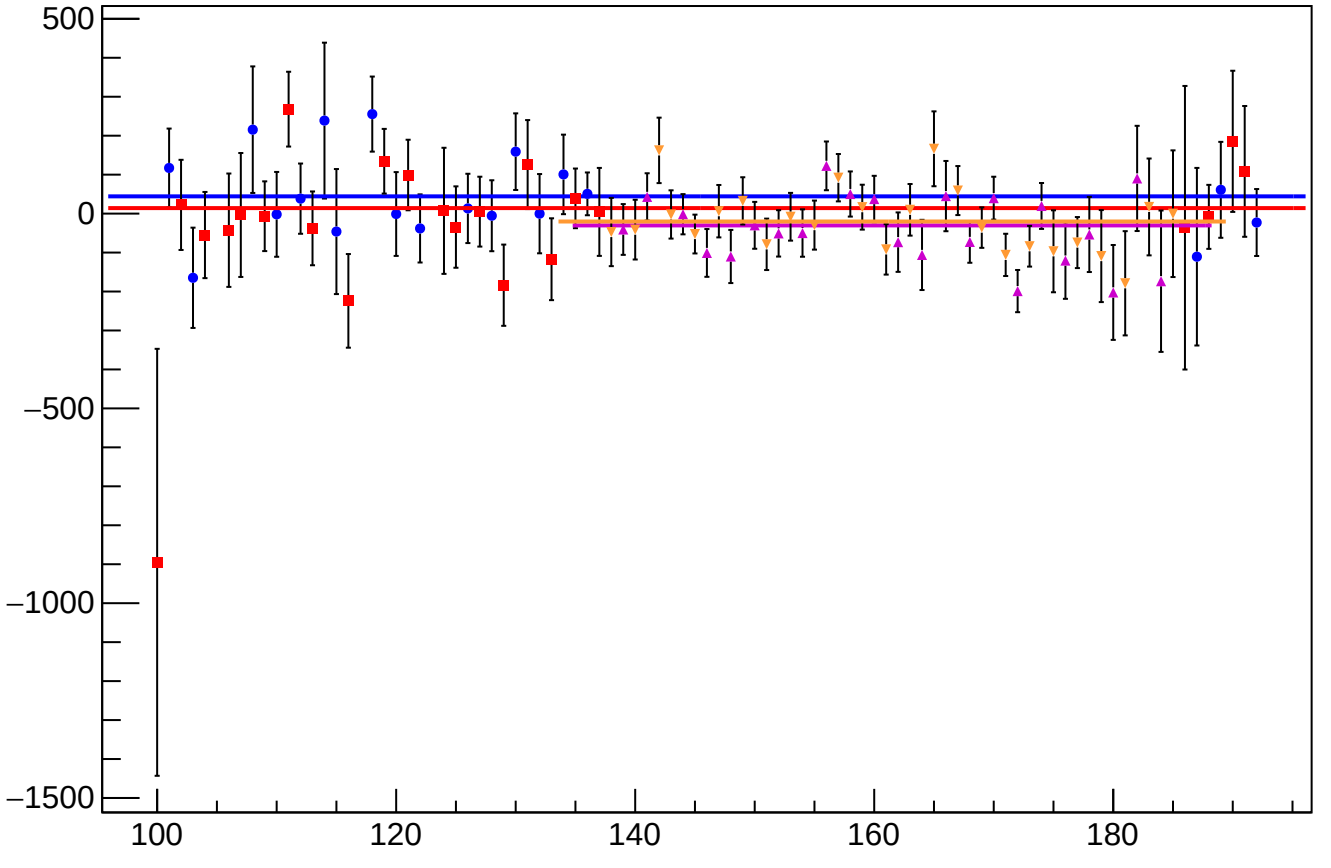
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 651.172+/-0.115 χ^2/NDF: 4054108.3/41

In: 471.094+/-0.067 χ^2/NDF:4361451.8/41

Out: 468.085+/-0.065 χ^2/NDF:5025534.4/47

All: 469.546+/-0.047 χ^2/NDF: 9388031.2/89



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: 14.131+/-22.870 χ^2/NDF: 25.3/22

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

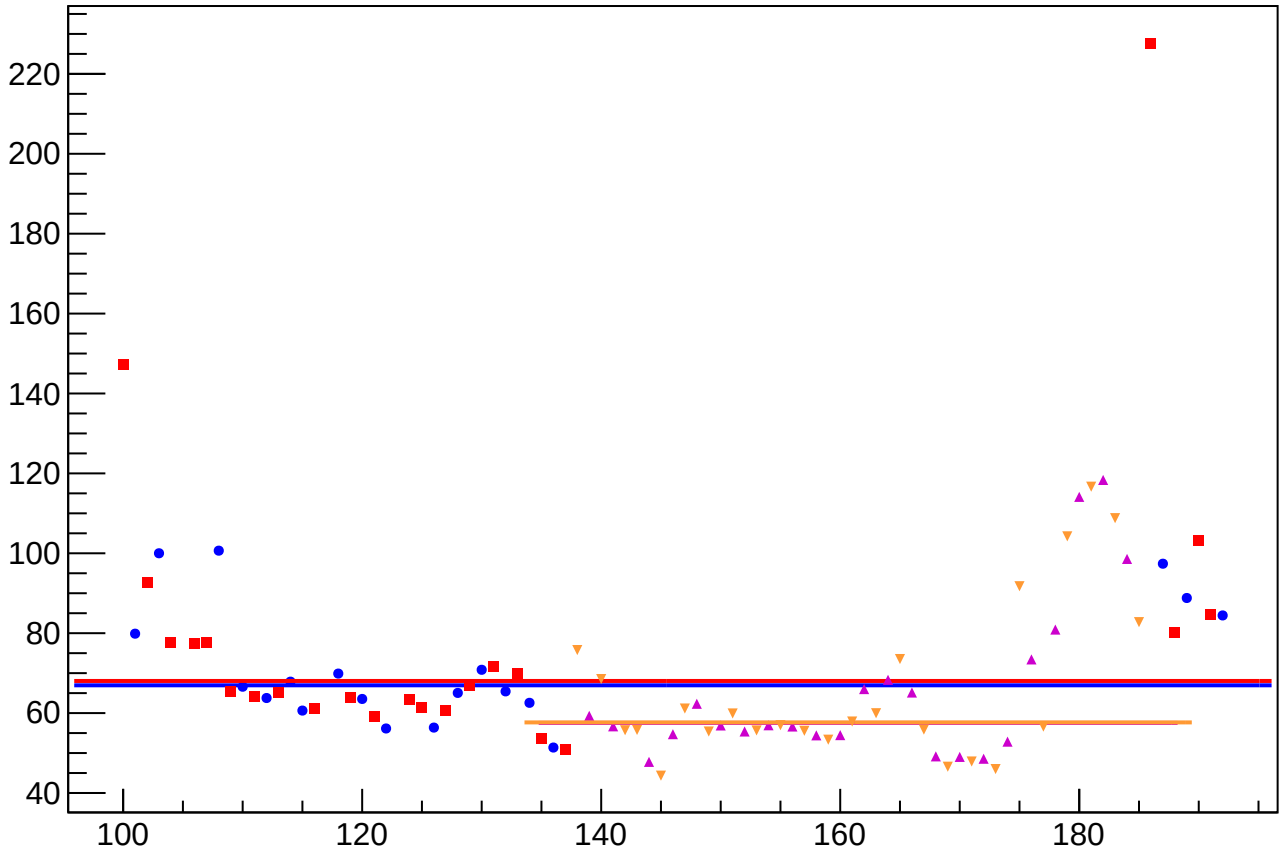
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 29.109+/-16.223 χ^2/NDF: 41.2/41

In: -10.216+/-11.948 χ^2/NDF:55.2/41

Out: -11.247+/-11.712 χ^2/NDF:52.1/47

All: -10.742+/-8.364 χ^2/NDF: 107.4/89



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: 68.041+/-0.016 χ^2/NDF: 867999.8/22

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

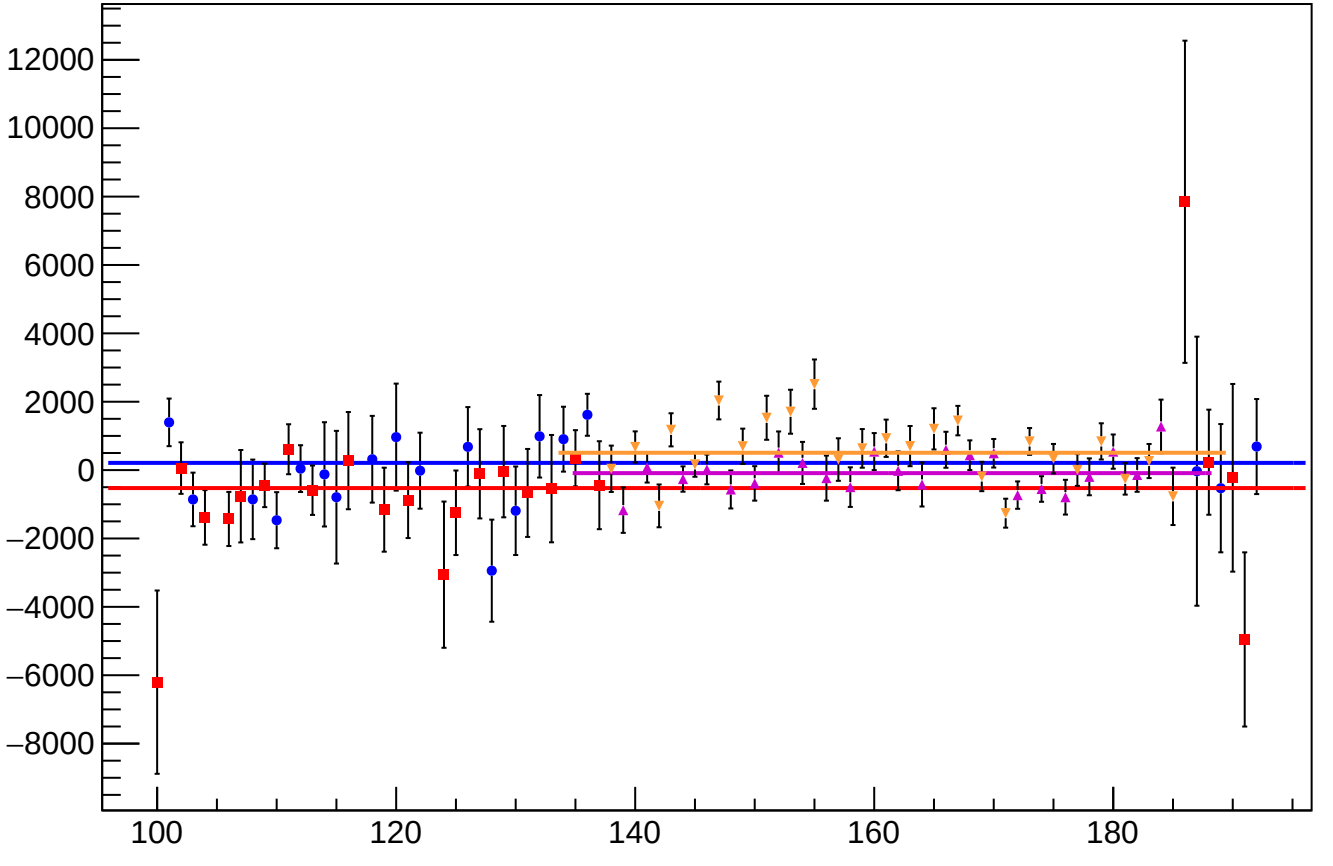
Right: 67.501+/-0.011 χ^2/NDF: 1539965.9/41

In: 60.077+/-0.008 χ^2/NDF:2357497.8/41

Out: 60.389+/-0.008 χ^2/NDF:3081275.6/47

All: 60.236+/-0.006 χ^2/NDF: 5439469.6/89

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: -525.770+/-225.236 χ^2/NDF: 20.3/22

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

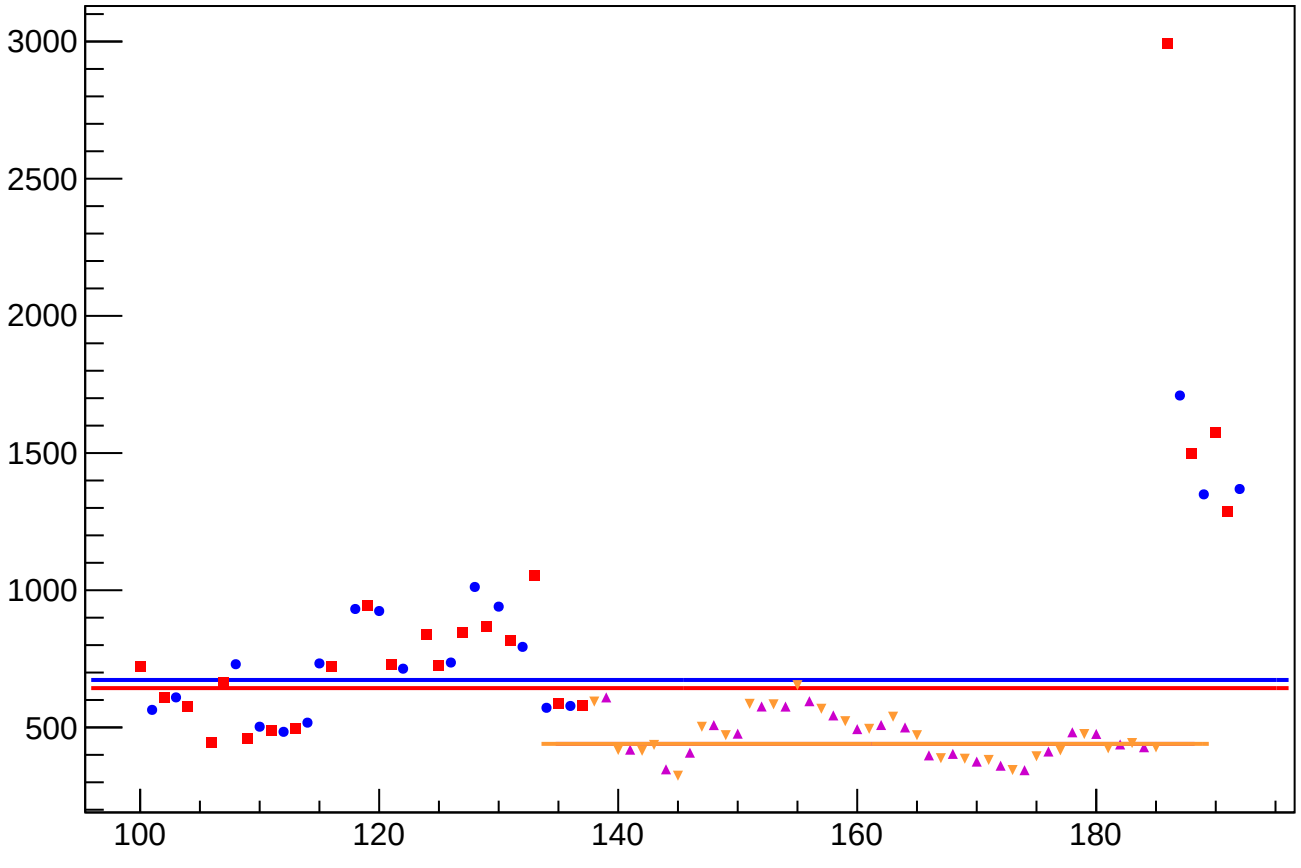
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -177.166+/-163.512 χ^2/NDF: 48.0/41

In: -39.910+/-95.699 χ^2/NDF:47.3/41

Out: 332.024+/-92.747 χ^2/NDF:103.5/47

All: 151.881+/-66.601 χ^2/NDF: 158.7/89



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: 643.245+/-0.159 χ^2/NDF: 2418899.4/22

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

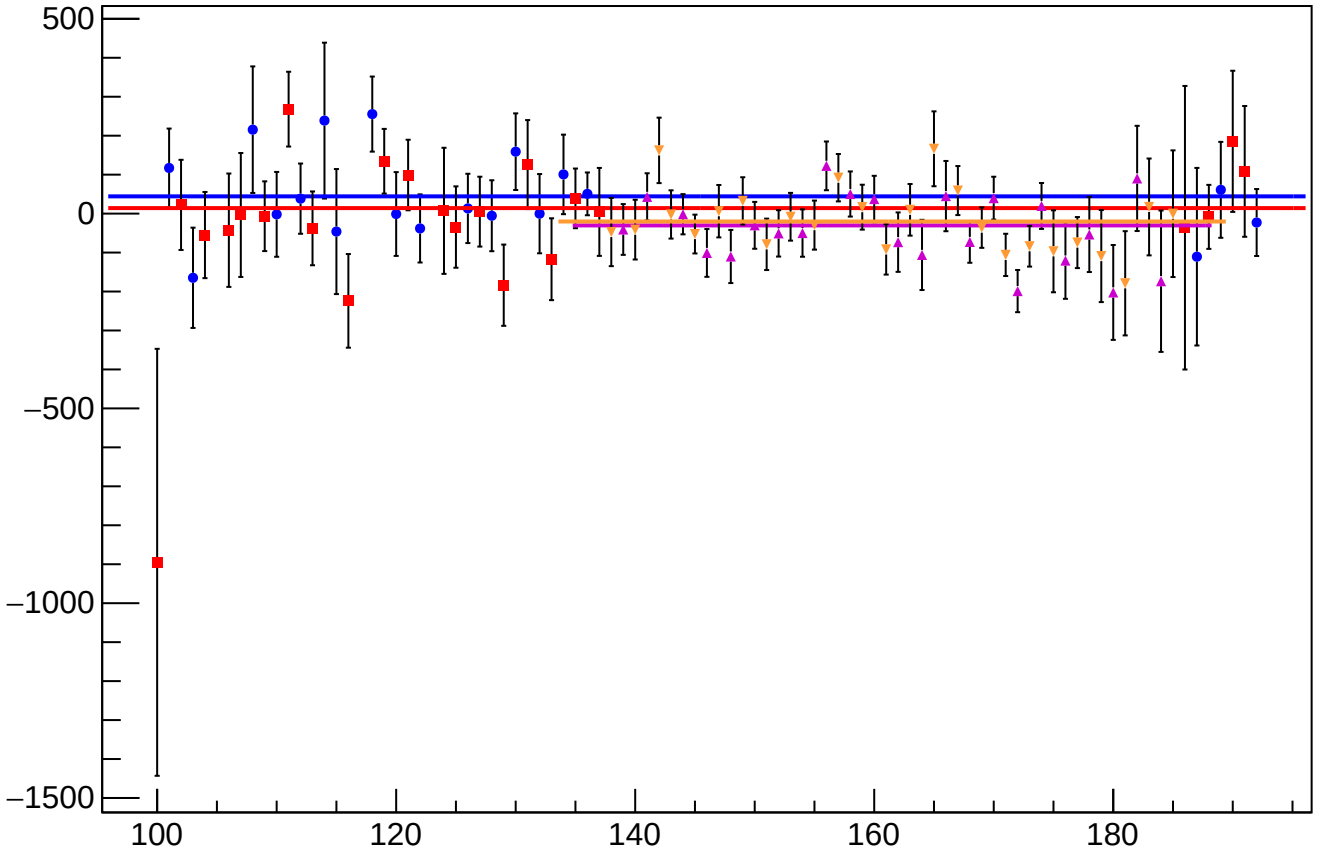
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 657.302+/-0.116 χ^2/NDF: 4086666.0/41

In: 477.641+/-0.068 χ^2/NDF:4324042.5/41

Out: 474.525+/-0.066 χ^2/NDF:4967274.8/47

All: 476.034+/-0.047 χ^2/NDF: 9292410.9/89



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: 14.131+/-22.870 χ^2/NDF: 25.3/22

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

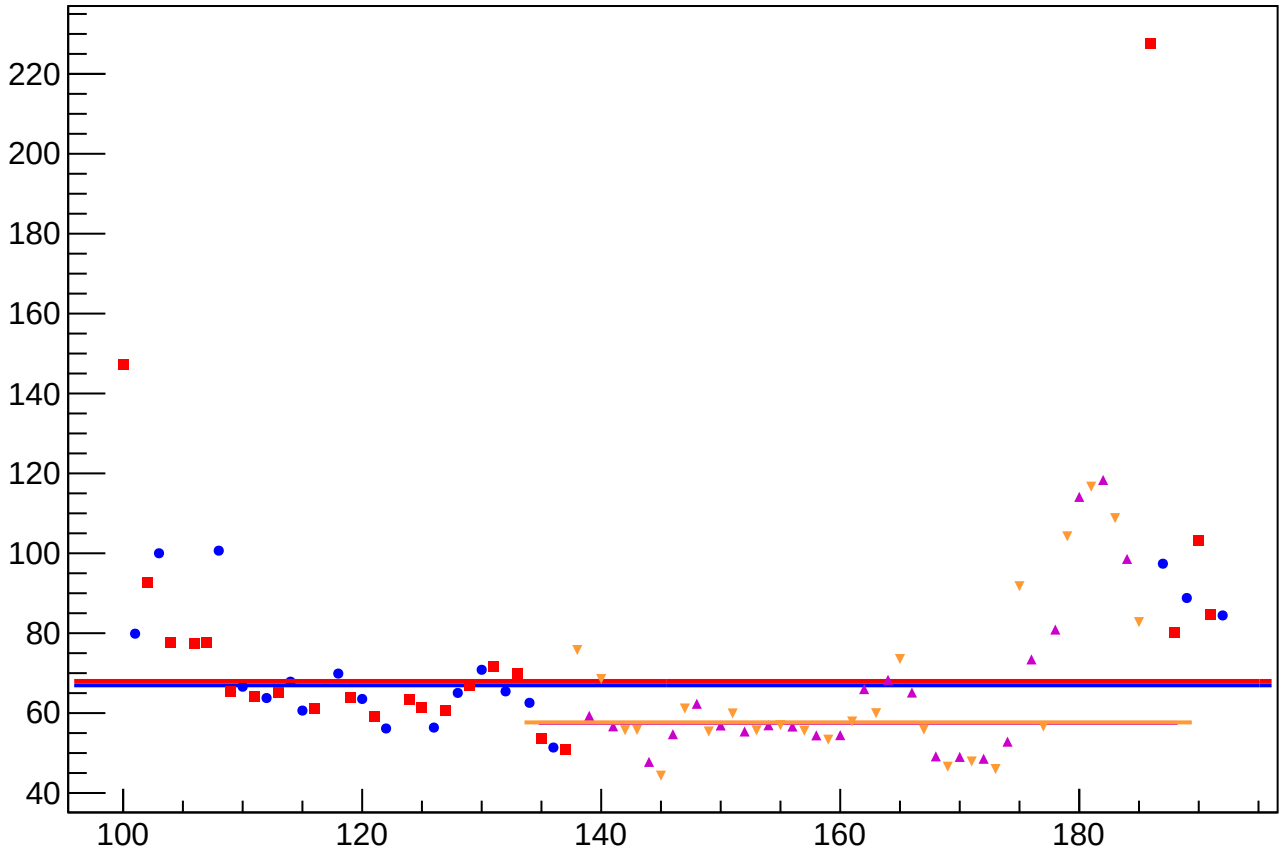
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 29.108+/-16.223 χ^2/NDF: 41.2/41

In: -10.217+/-11.948 χ^2/NDF:55.2/41

Out: -11.248+/-11.712 χ^2/NDF:52.1/47

All: -10.743+/-8.364 χ^2/NDF: 107.4/89



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: 68.041+/-0.016 χ^2/NDF: 868011.6/22

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

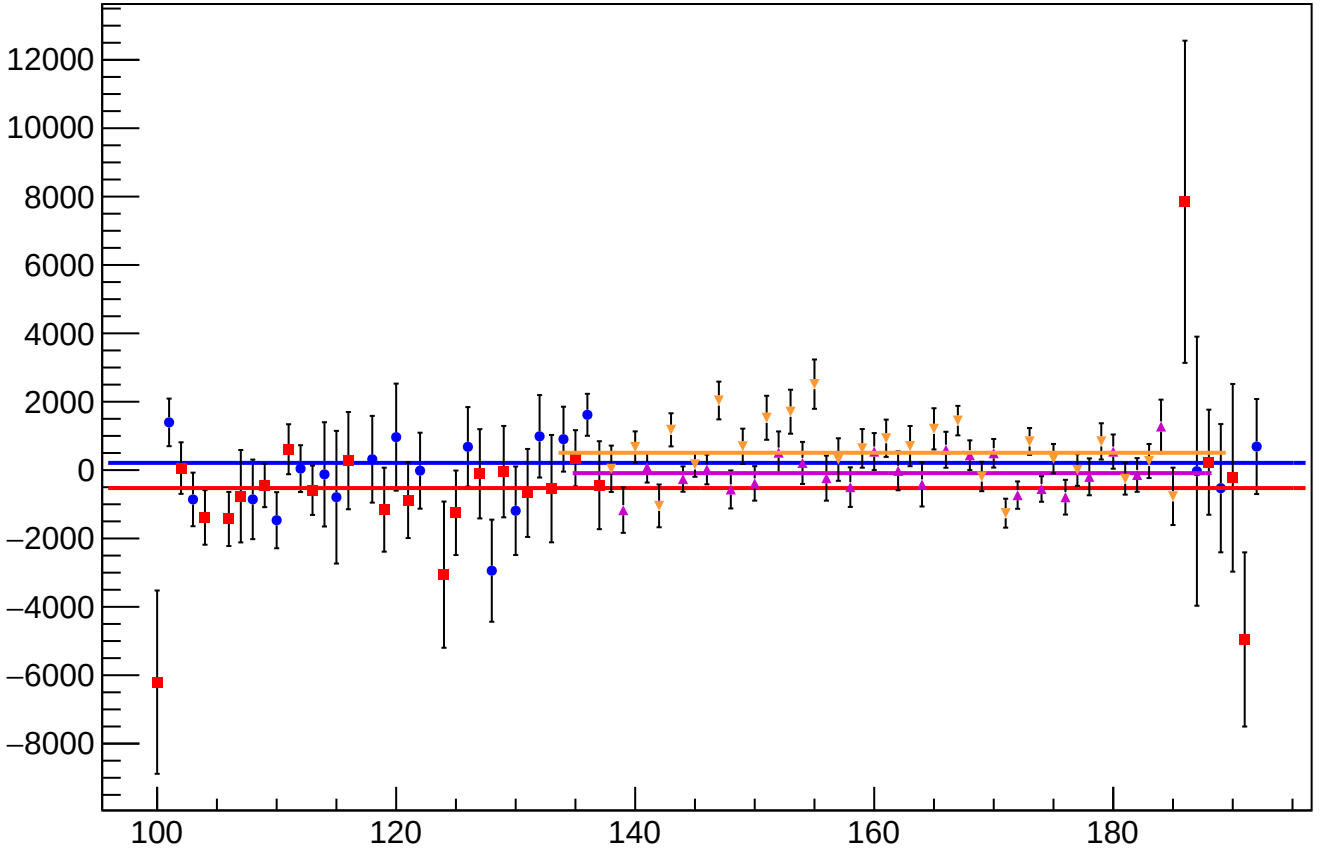
Right: 67.501+/-0.011 χ^2/NDF: 1539970.4/41

In: 60.077+/-0.008 χ^2/NDF:2357465.0/41

Out: 60.389+/-0.008 χ^2/NDF:3081269.3/47

All: 60.236+/-0.006 χ^2/NDF: 5439430.7/89

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: -525.769+/-225.236 χ^2/NDF: 20.3/22

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

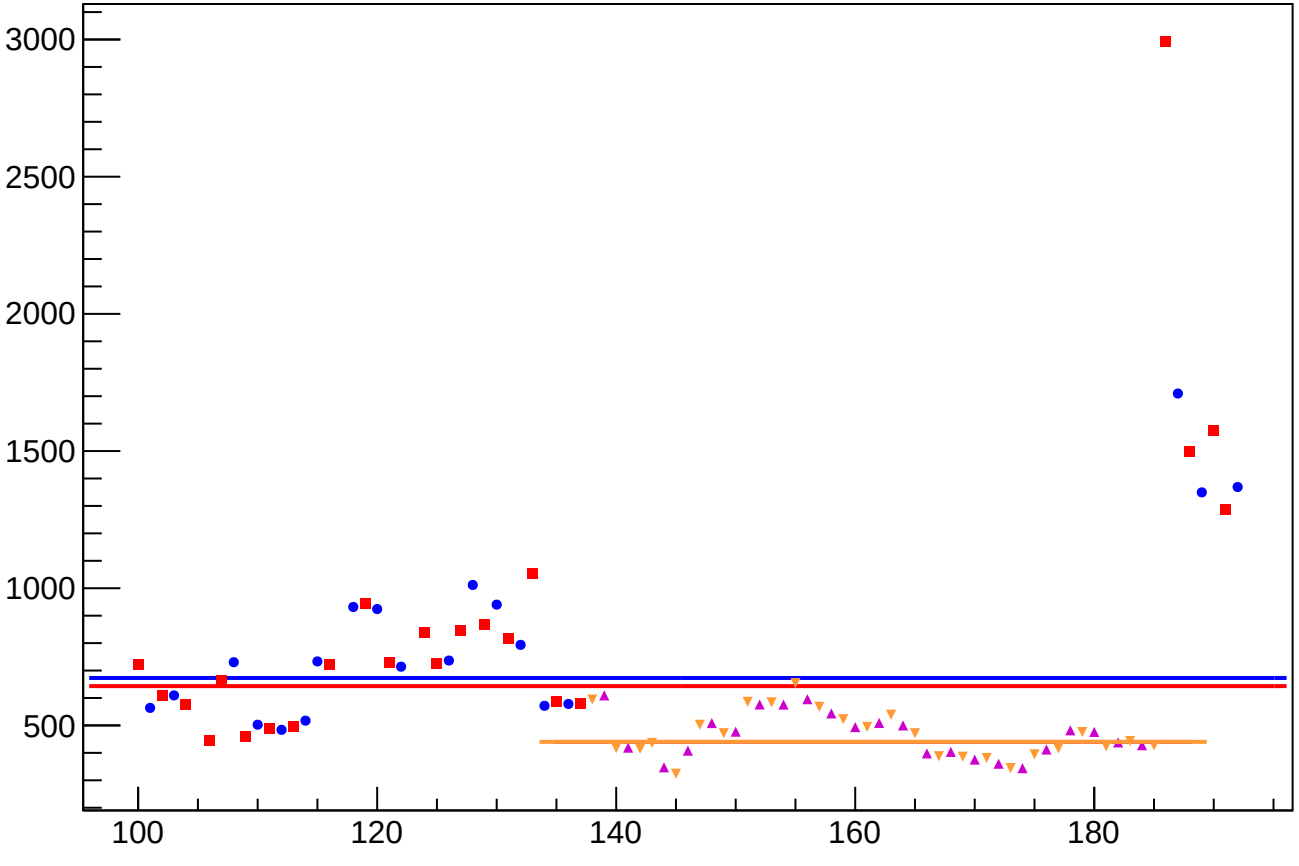
Right: -177.166+/-163.512 χ^2/NDF: 48.0/41

In: -39.910+/-95.699 χ^2/NDF:47.3/41

Out: 332.024+/-92.747 χ^2/NDF:103.5/47

All: 151.881+/-66.601 χ^2/NDF: 158.7/89

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: 643.244+/-0.159 χ^2/NDF: 2418901.4/22

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

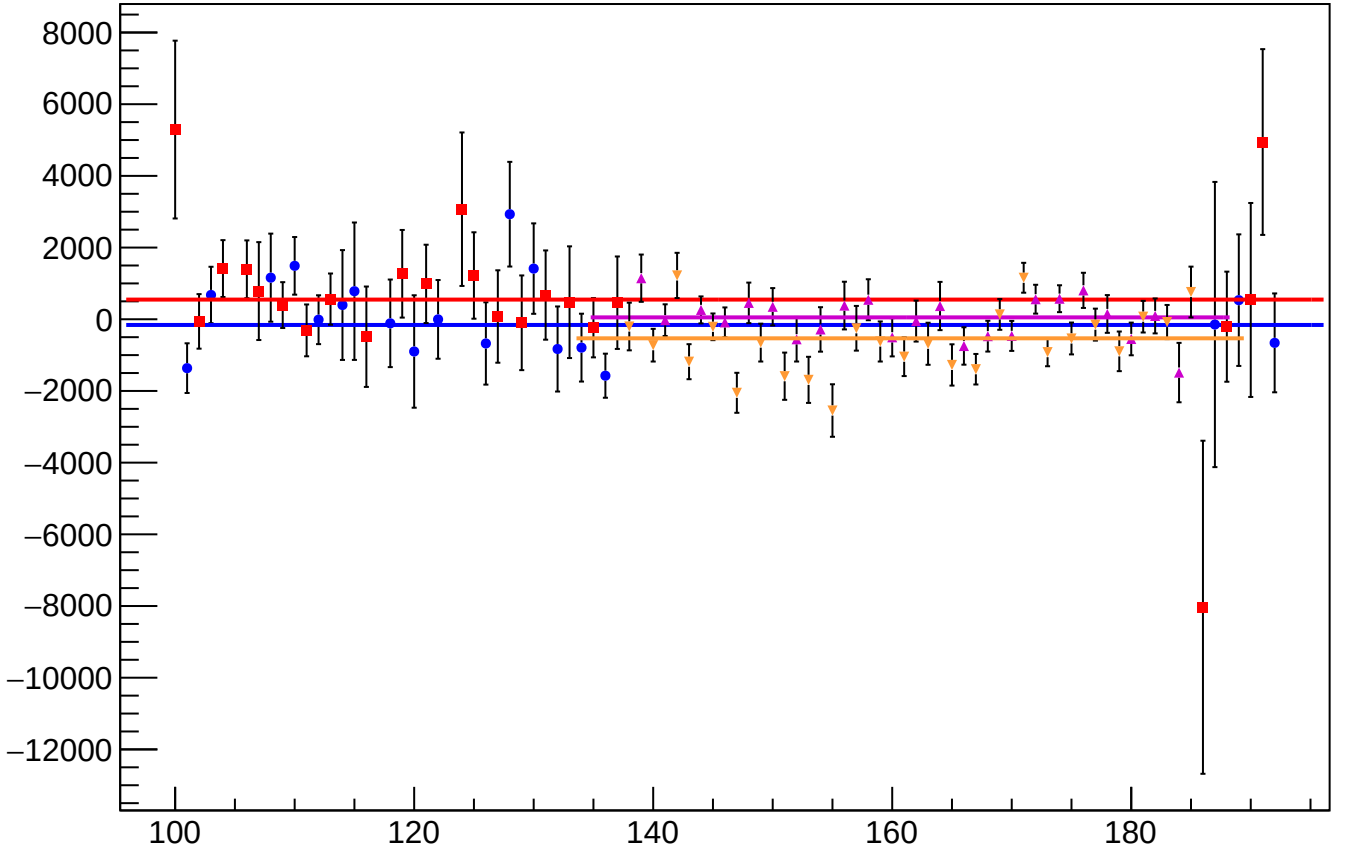
Right: 657.301+/-0.116 χ^2/NDF: 4086669.9/41

In: 477.640+/-0.068 χ^2/NDF:4324060.8/41

Out: 474.524+/-0.066 χ^2/NDF:4967292.7/47

All: 476.033+/-0.047 χ^2/NDF: 9292447.2/89

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: 548.770+/-224.488 χ^2/NDF: 18.7/22

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

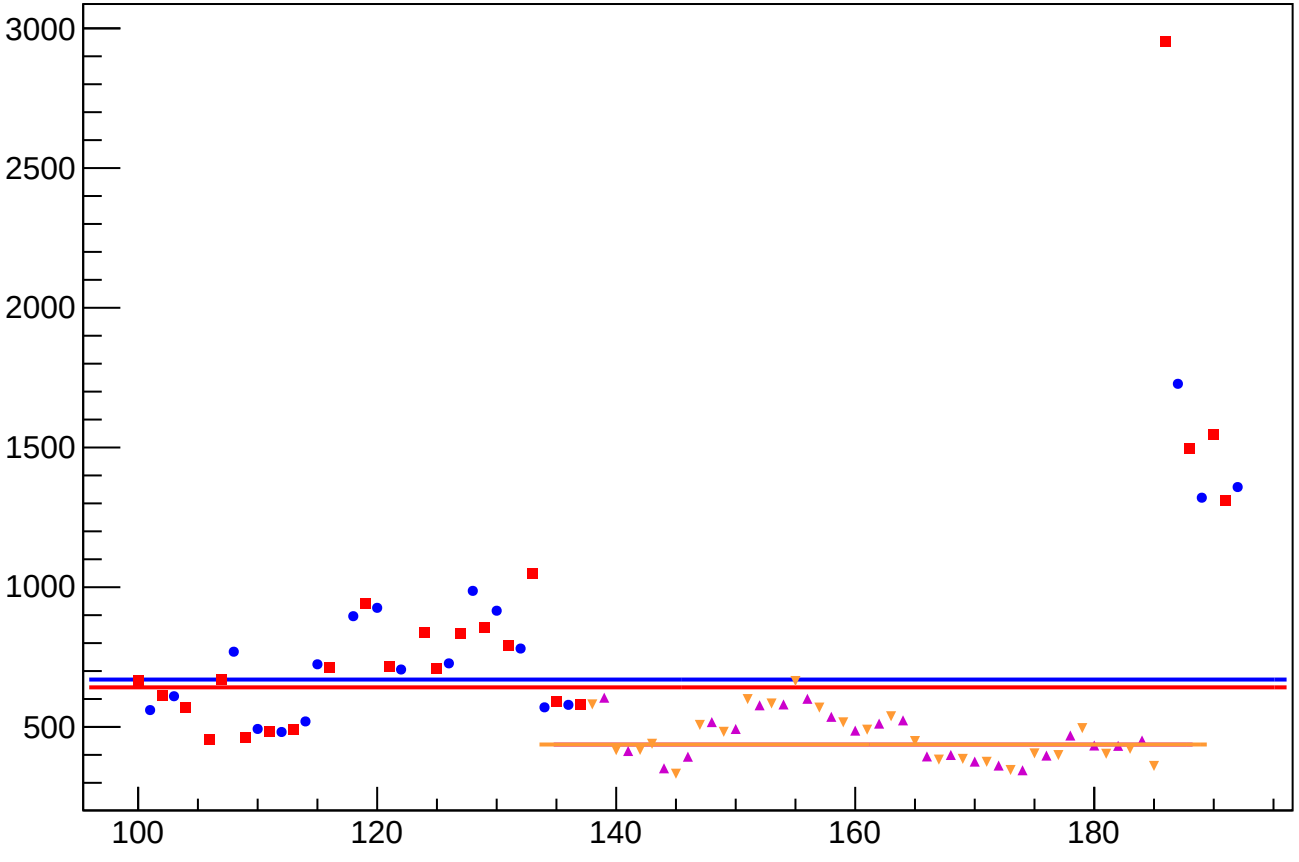
Right: 213.343+/-162.821 χ^2/NDF: 46.1/41

In: 18.352+/-95.103 χ^2/NDF:47.5/41

Out: -348.965+/-92.293 χ^2/NDF:103.5/47

All: -170.812+/-66.232 χ^2/NDF: 158.7/89

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: 641.657+/-0.159 χ^2/NDF: 2375003.2/22

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

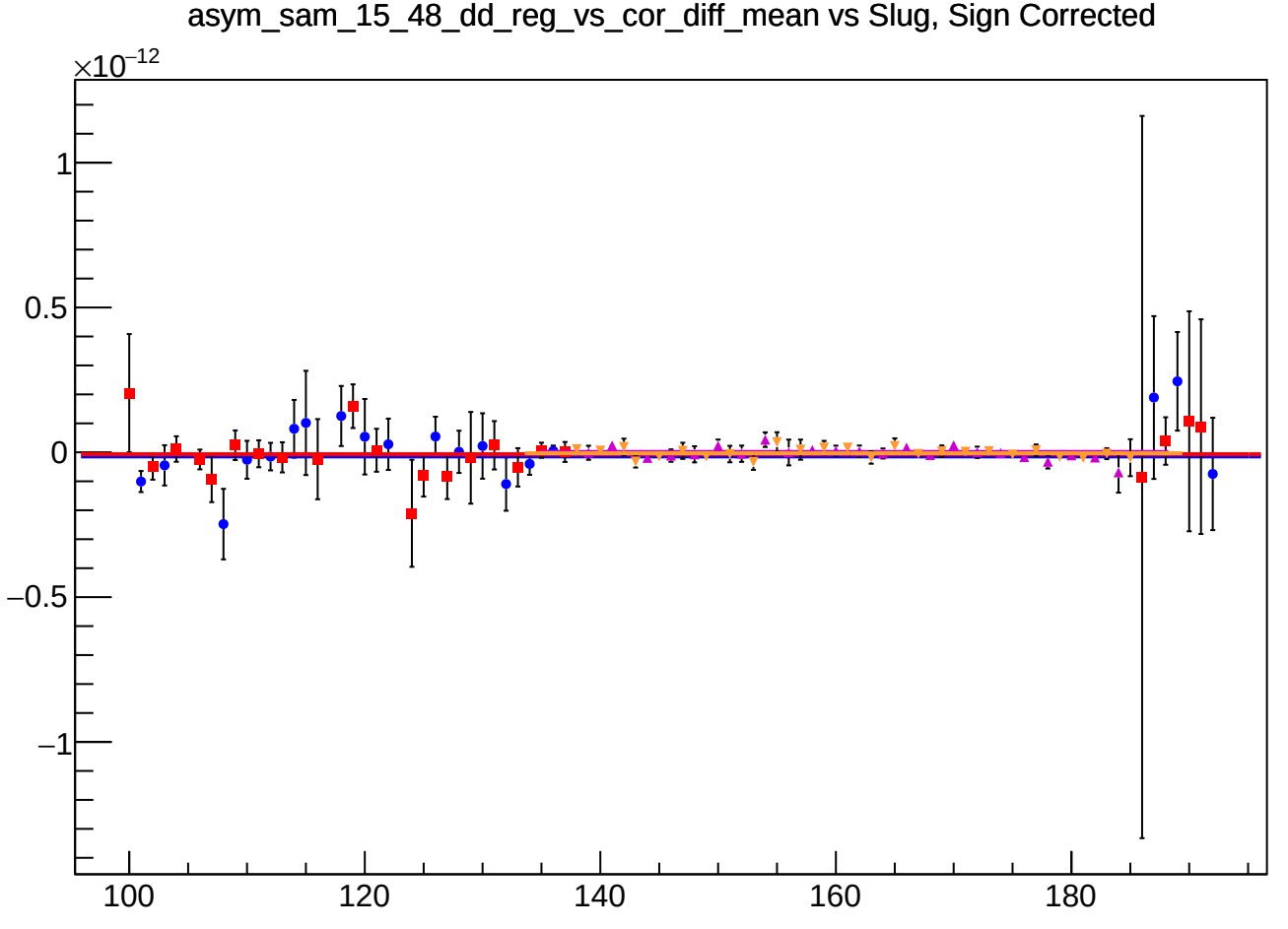
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 654.893+/-0.115 χ^2/NDF: 4008315.0/41

In: 474.554+/-0.067 χ^2/NDF:4320985.3/41

Out: 471.722+/-0.065 χ^2/NDF:4981625.6/47

All: 473.096+/-0.047 χ^2/NDF: 9303524.5/89



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: 13.4/22

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

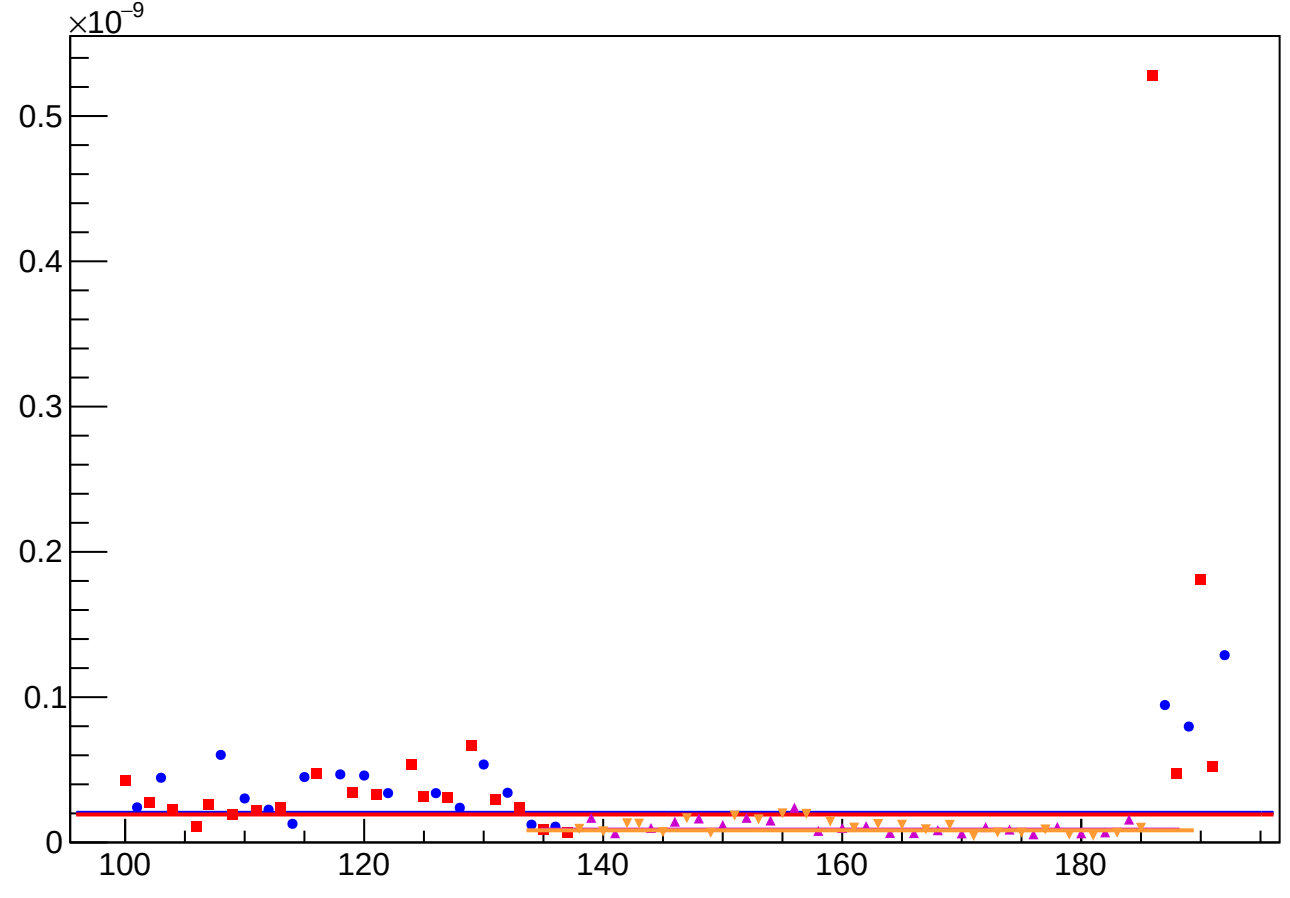
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

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

In: 0.000+/-0.000 χ^2/NDF:43.3/41

Out: -0.000+/-0.000 χ^2/NDF:27.8/47

All: -0.000+/-0.000 χ^2/NDF: 71.7/89



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: 2396784.2/22

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

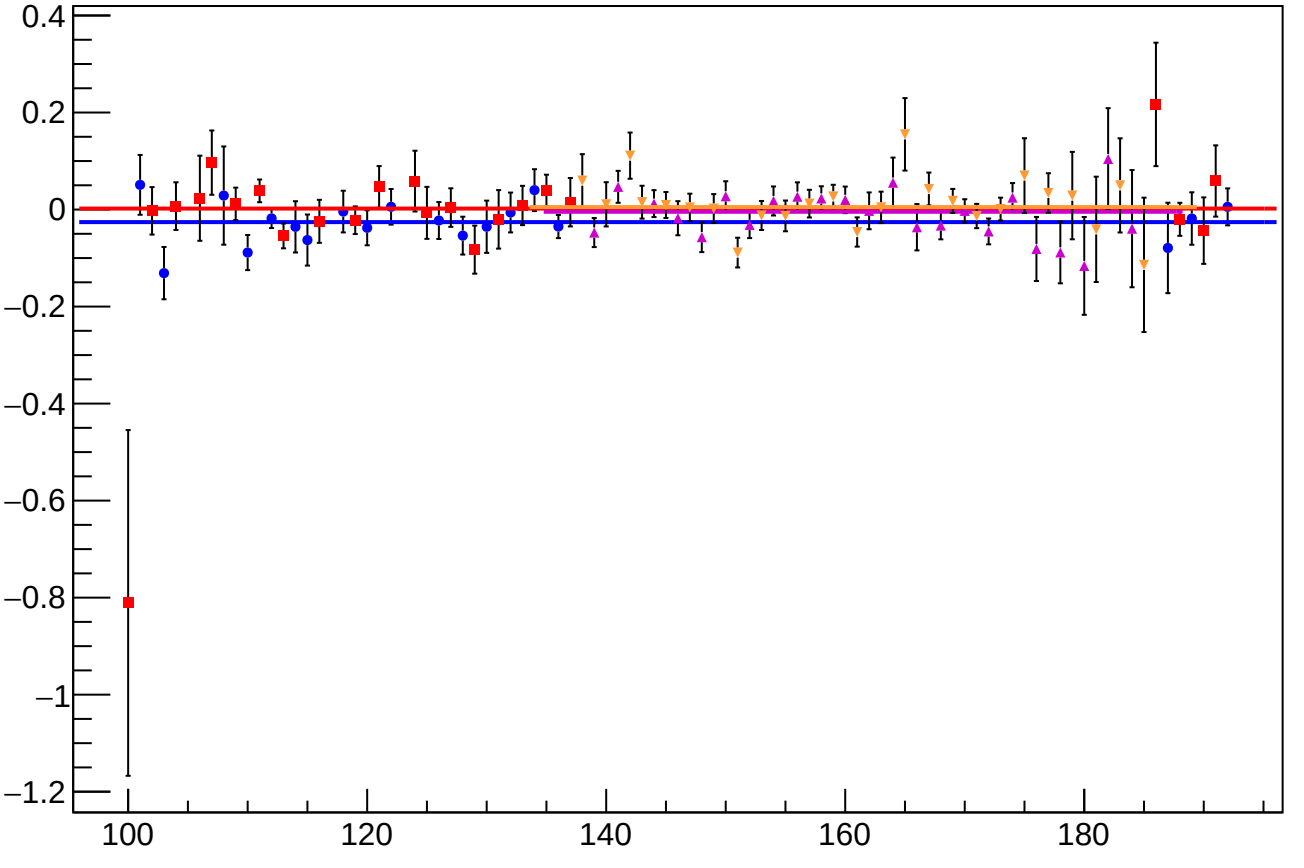
Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

Right: 0.000+/-0.000 χ^2/NDF: 5160675.6/41

In: 0.000+/-0.000 χ^2/NDF:5968425.1/41

Out: 0.000+/-0.000 χ^2/NDF:6124907.9/47

All: 0.000+/-0.000 χ^2/NDF: 12121507.4/89



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: 0.002+/-0.009 χ^2/NDF: 26.4/22

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

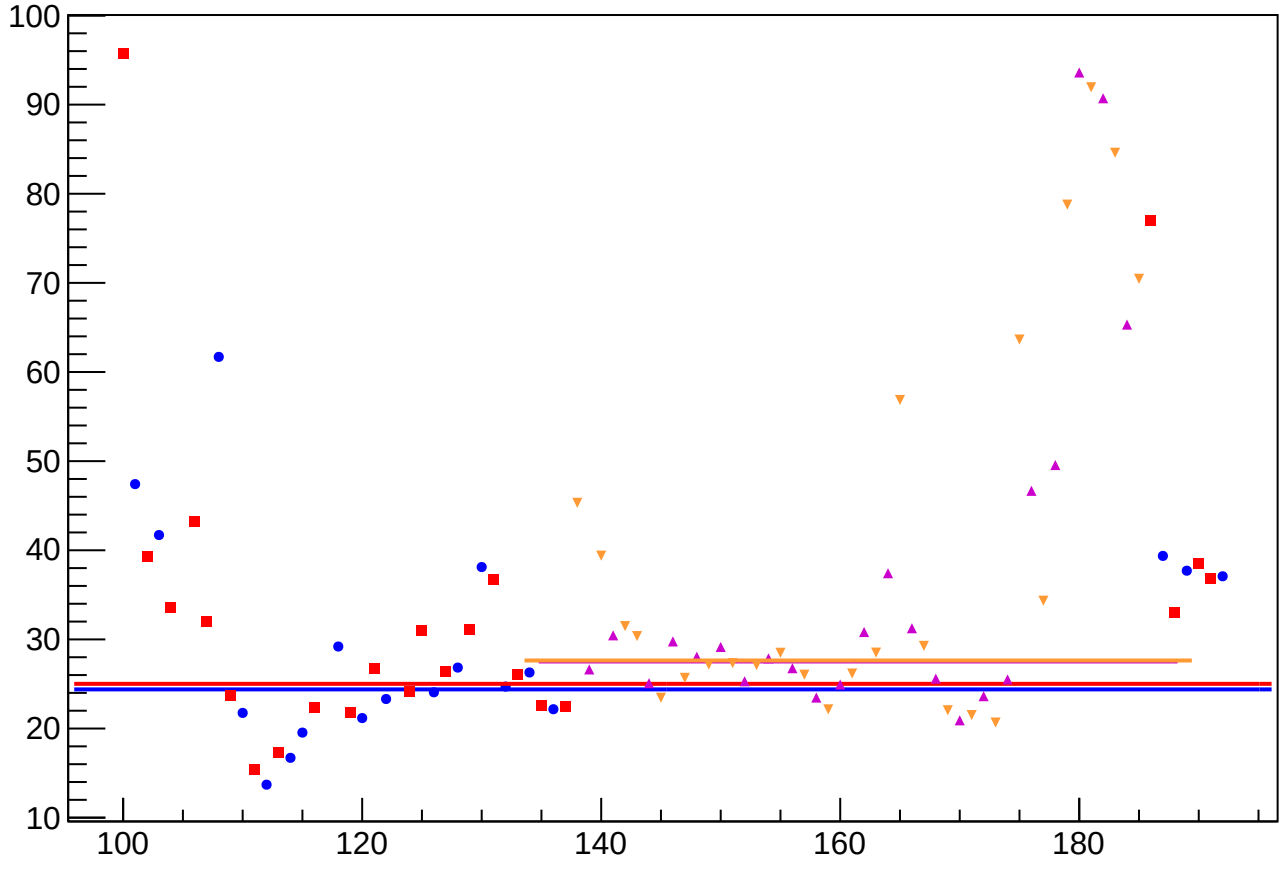
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.012+/-0.006 χ^2/NDF: 46.1/41

In: -0.013+/-0.006 χ^2/NDF:43.4/41

Out: 0.004+/-0.005 χ^2/NDF:54.9/47

All: -0.004+/-0.004 χ^2/NDF: 102.9/89



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: 25.015+/-0.006 χ^2/NDF: 1702947.1/22

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

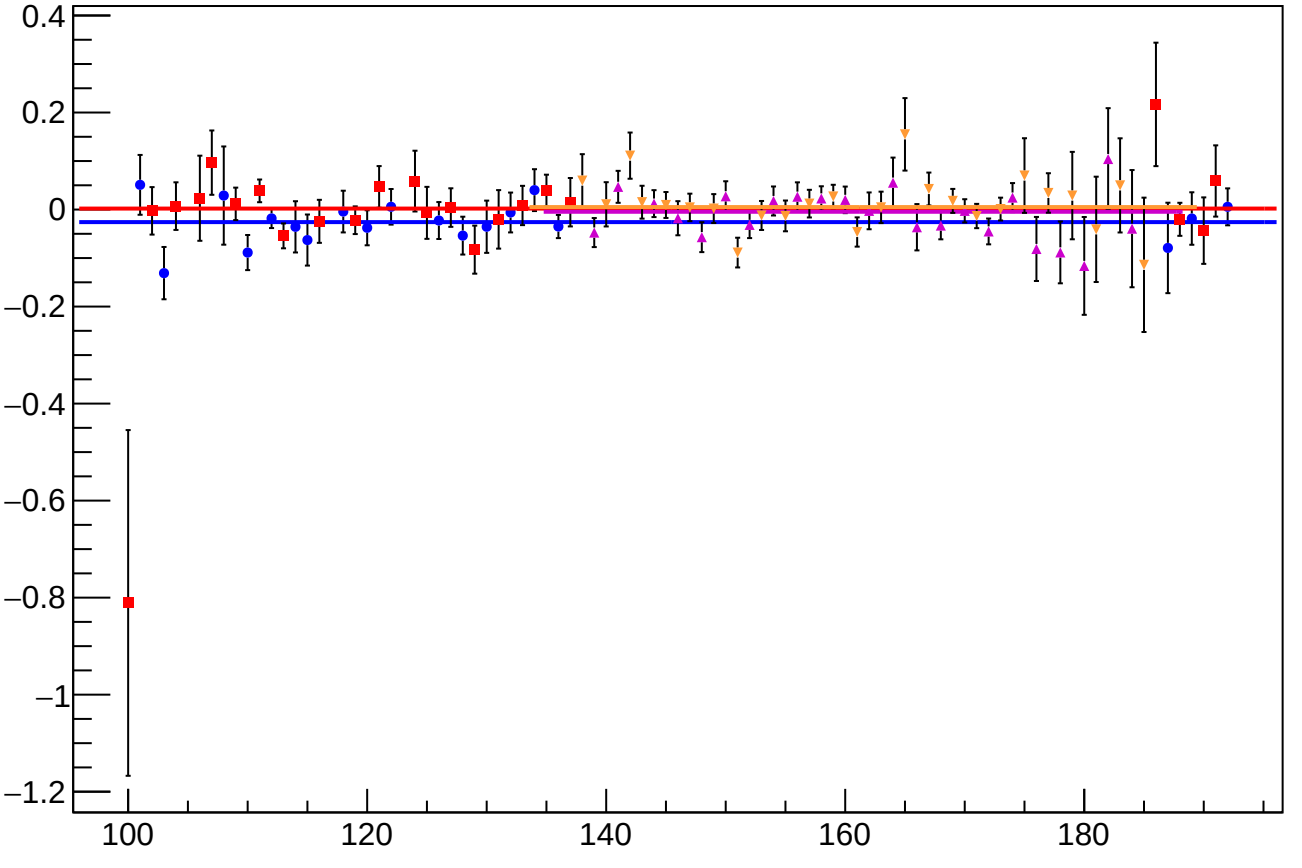
Right: 24.708+/-0.004 χ^2/NDF: 3707015.3/41

In: 26.339+/-0.004 χ^2/NDF:4785984.9/41

Out: 26.647+/-0.004 χ^2/NDF:5787401.5/47

All: 26.496+/-0.003 χ^2/NDF: 10576566.1/89

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: 0.002+/-0.009 χ^2/NDF: 26.4/22

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

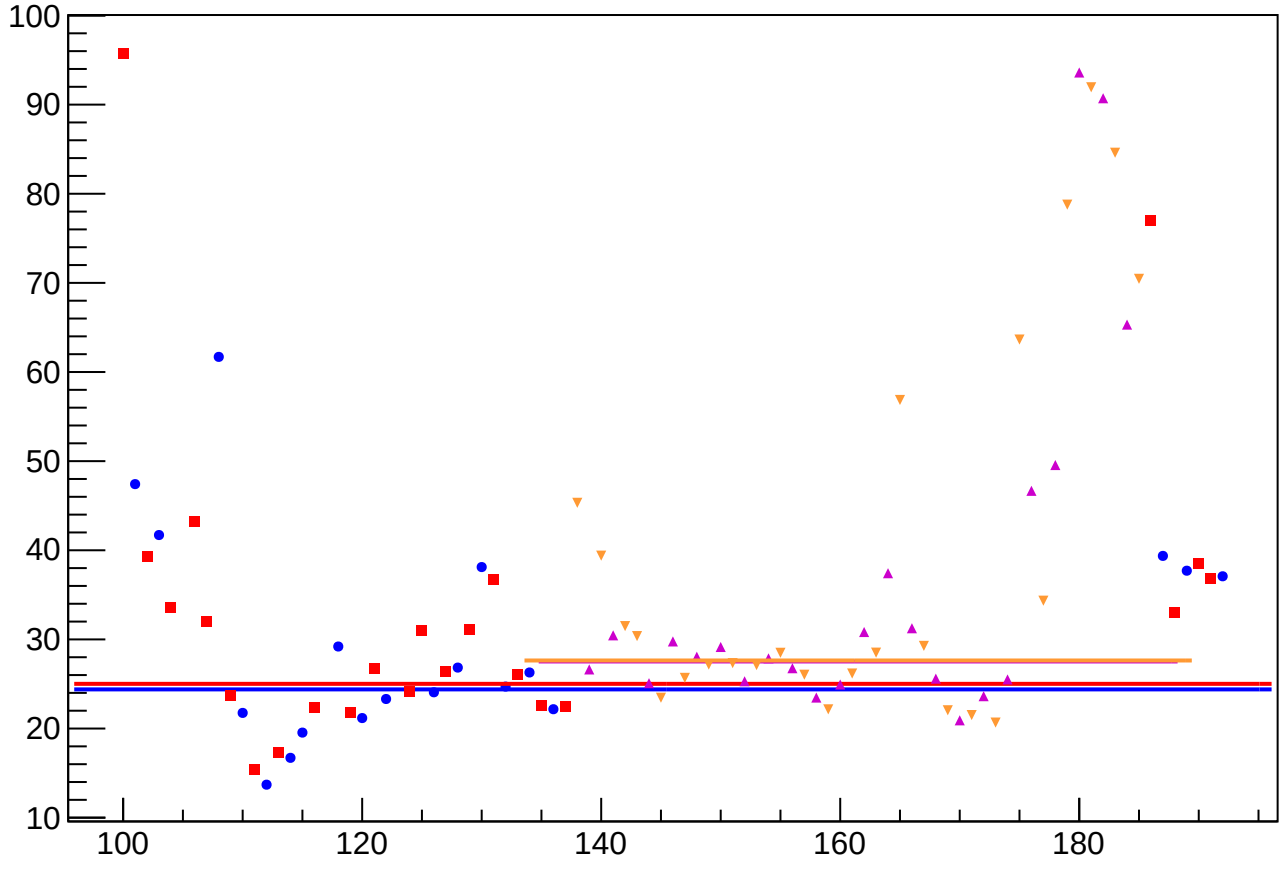
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.012+/-0.006 χ^2/NDF: 46.1/41

In: -0.013+/-0.006 χ^2/NDF:43.4/41

Out: 0.004+/-0.005 χ^2/NDF:54.9/47

All: -0.004+/-0.004 χ^2/NDF: 102.9/89



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: 25.015+/-0.006 χ^2/NDF: 1702947.1/22

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

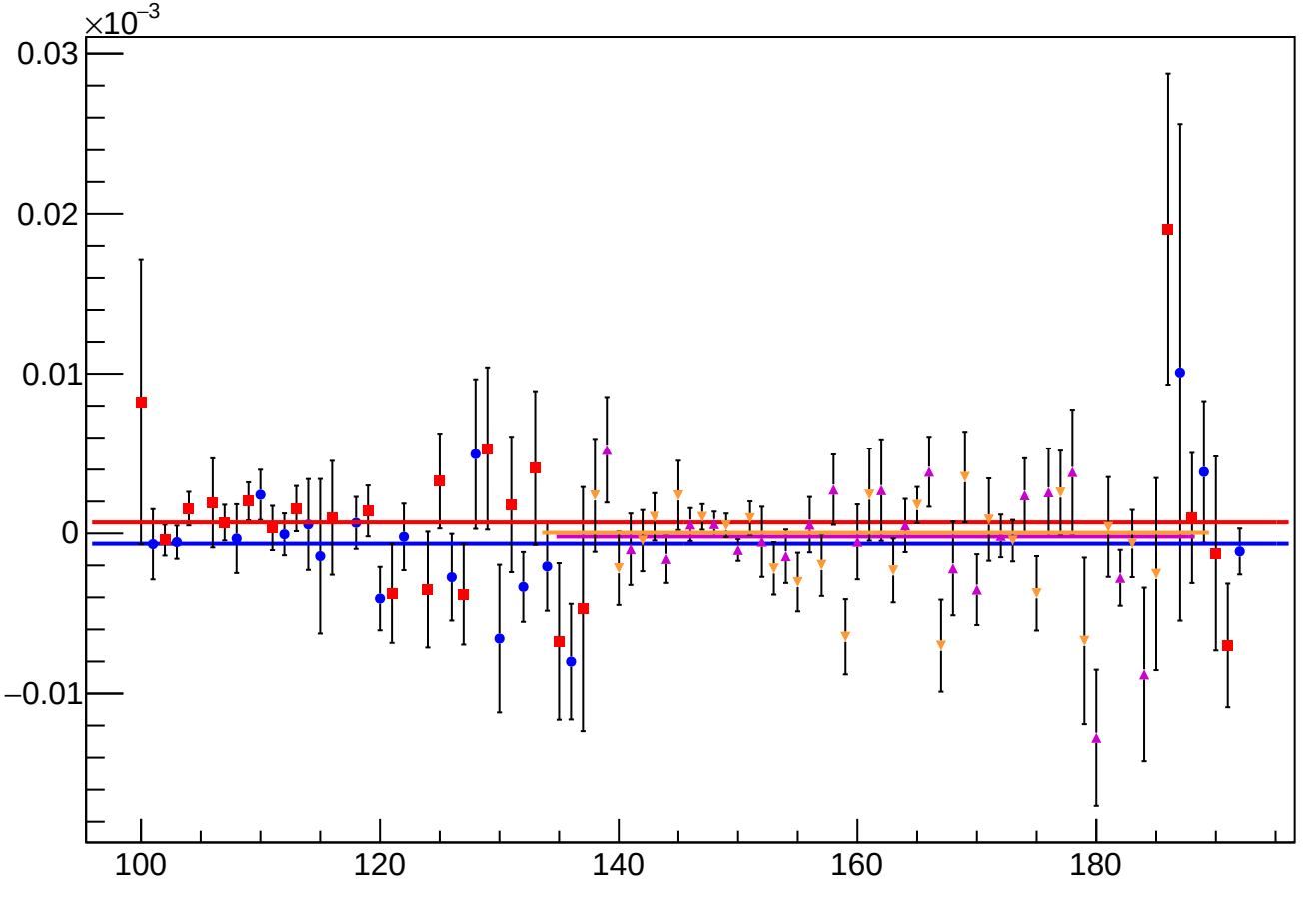
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 24.708+/-0.004 χ^2/NDF: 3707015.3/41

In: 26.339+/-0.004 χ^2/NDF:4785984.9/41

Out: 26.647+/-0.004 χ^2/NDF:5787401.5/47

All: 26.496+/-0.003 χ^2/NDF: 10576566.1/89



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: 22.8/22

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

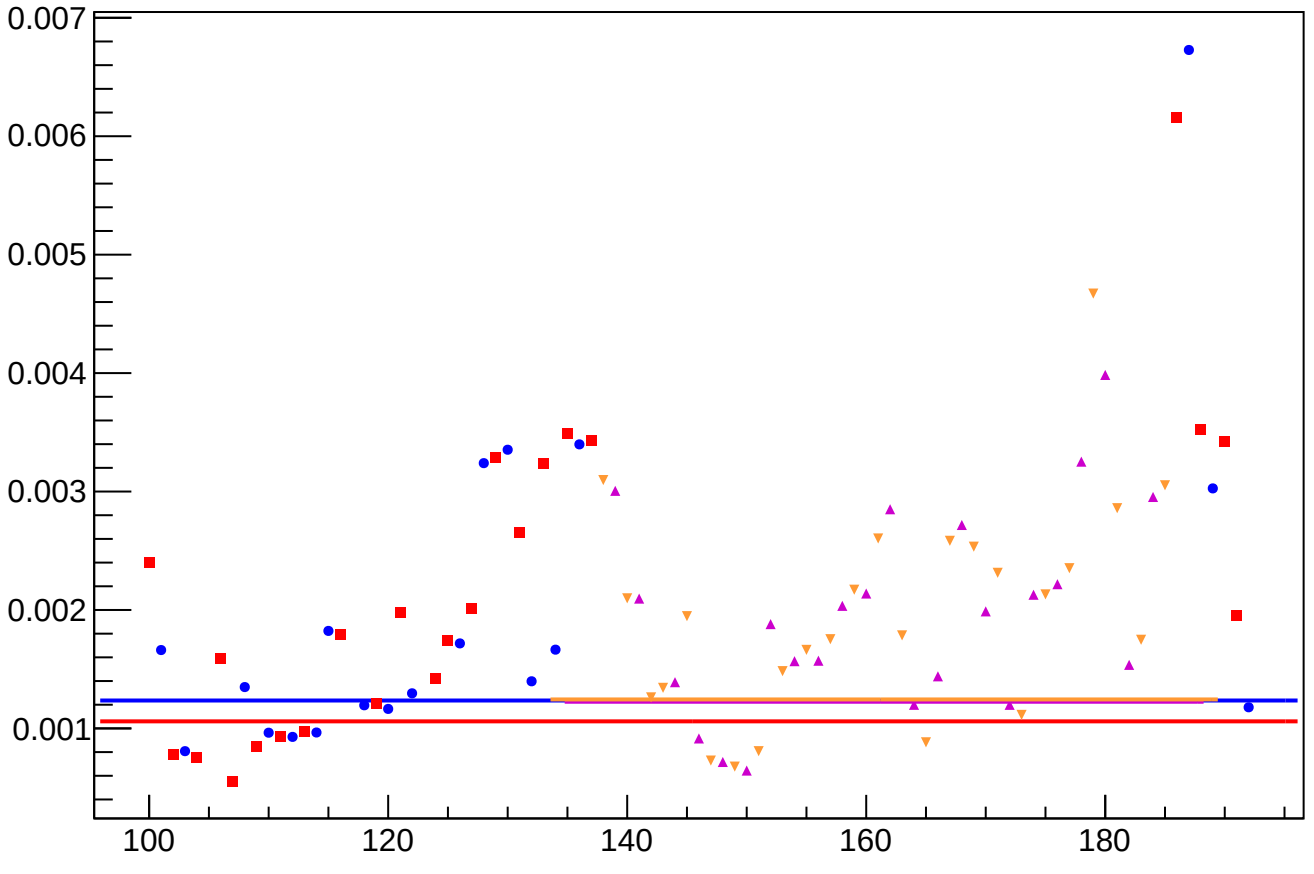
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 46.6/41

In: -0.000+/-0.000 χ^2/NDF:53.1/41

Out: 0.000+/-0.000 χ^2/NDF:61.4/47

All: -0.000+/-0.000 χ^2/NDF: 117.4/89



Right In: 0.001+/-0.000 χ^2/NDF: 2851256.6/18

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5007728.9/22

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

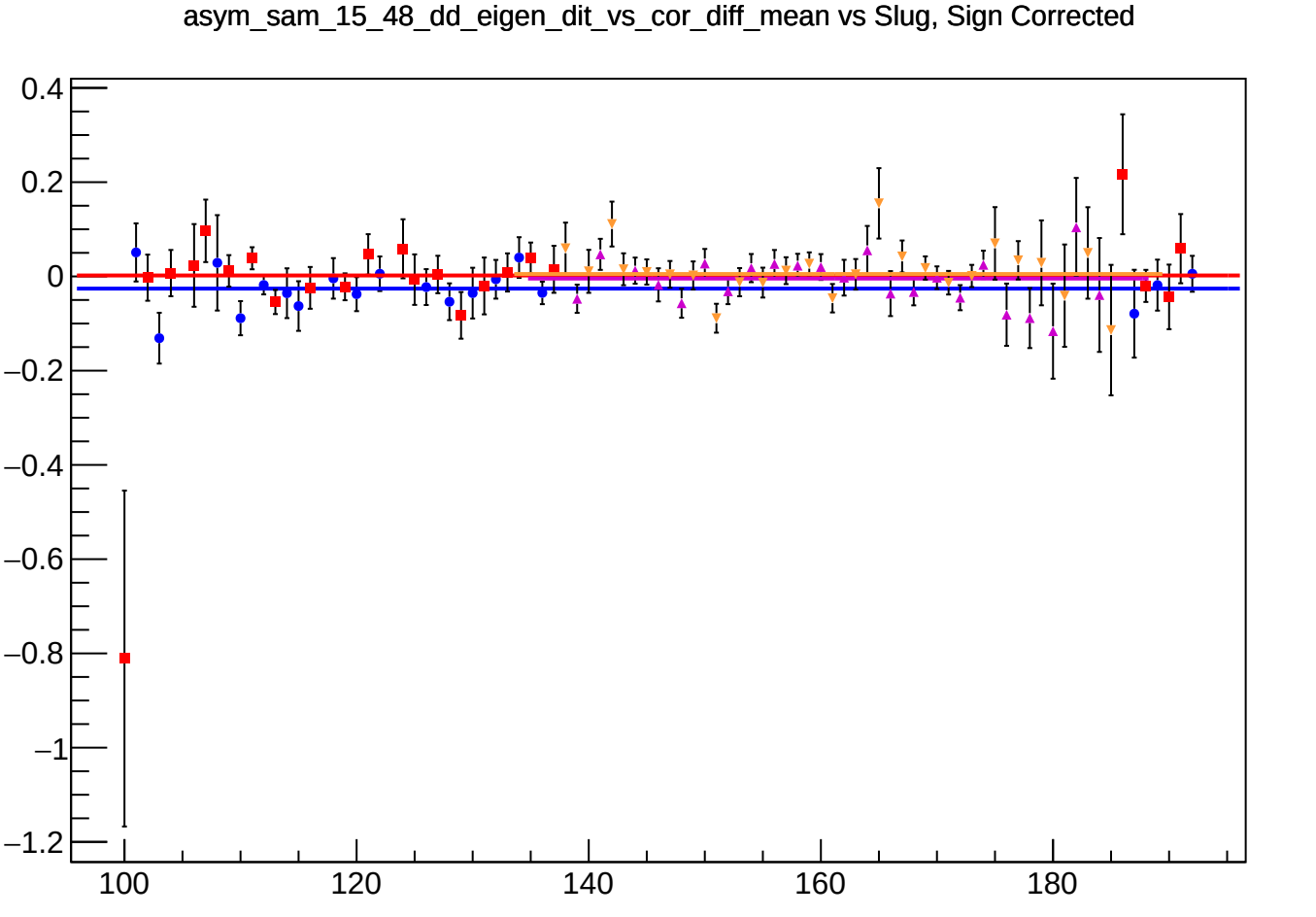
Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

Right: 0.001+/-0.000 χ^2/NDF: 8017610.2/41

In: 0.001+/-0.000 χ^2/NDF:10674756.2/41

Out: 0.001+/-0.000 χ^2/NDF:13596354.2/47

All: 0.001+/-0.000 χ^2/NDF: 24314533.2/89



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: 0.002+/-0.009 χ^2/NDF: 26.4/22

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

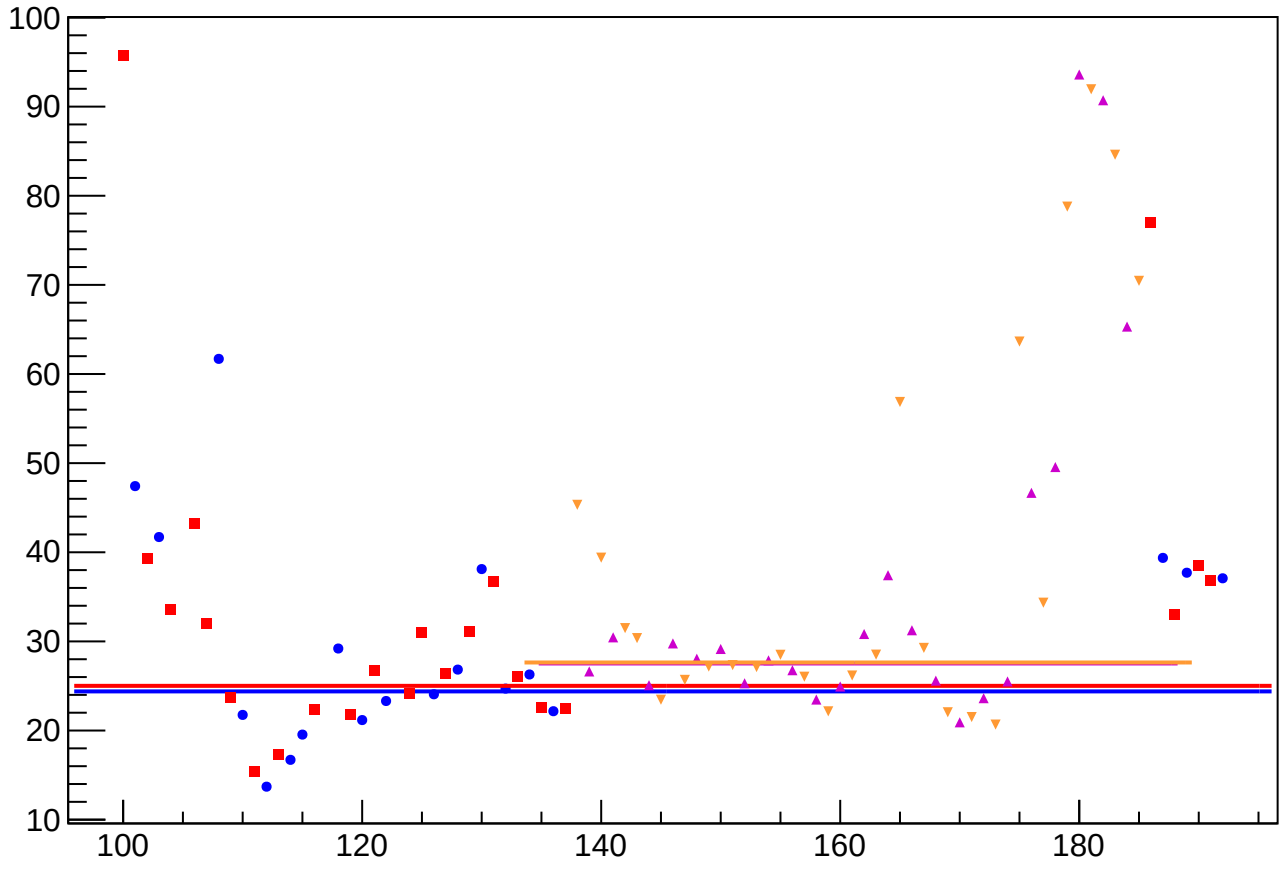
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.012+/-0.006 χ^2/NDF: 46.1/41

In: -0.013+/-0.006 χ^2/NDF:43.4/41

Out: 0.004+/-0.005 χ^2/NDF:54.9/47

All: -0.004+/-0.004 χ^2/NDF: 102.9/89



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: 25.015+/-0.006 χ^2/NDF: 1703036.9/22

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

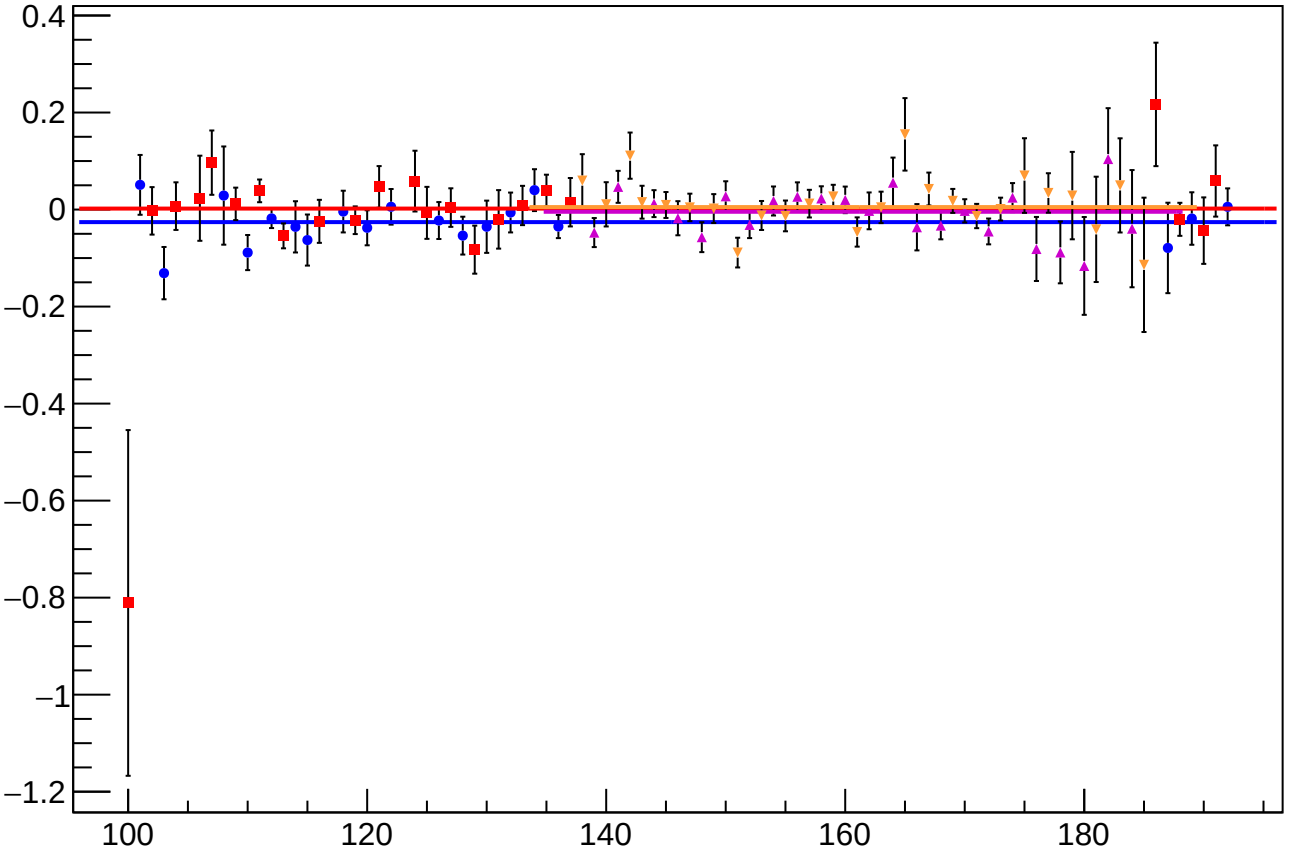
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 24.708+/-0.004 χ^2/NDF: 3707103.8/41

In: 26.339+/-0.004 χ^2/NDF:4785992.3/41

Out: 26.647+/-0.004 χ^2/NDF:5787478.4/47

All: 26.496+/-0.003 χ^2/NDF: 10576652.1/89



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: 0.002+/-0.009 χ^2/NDF: 26.4/22

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

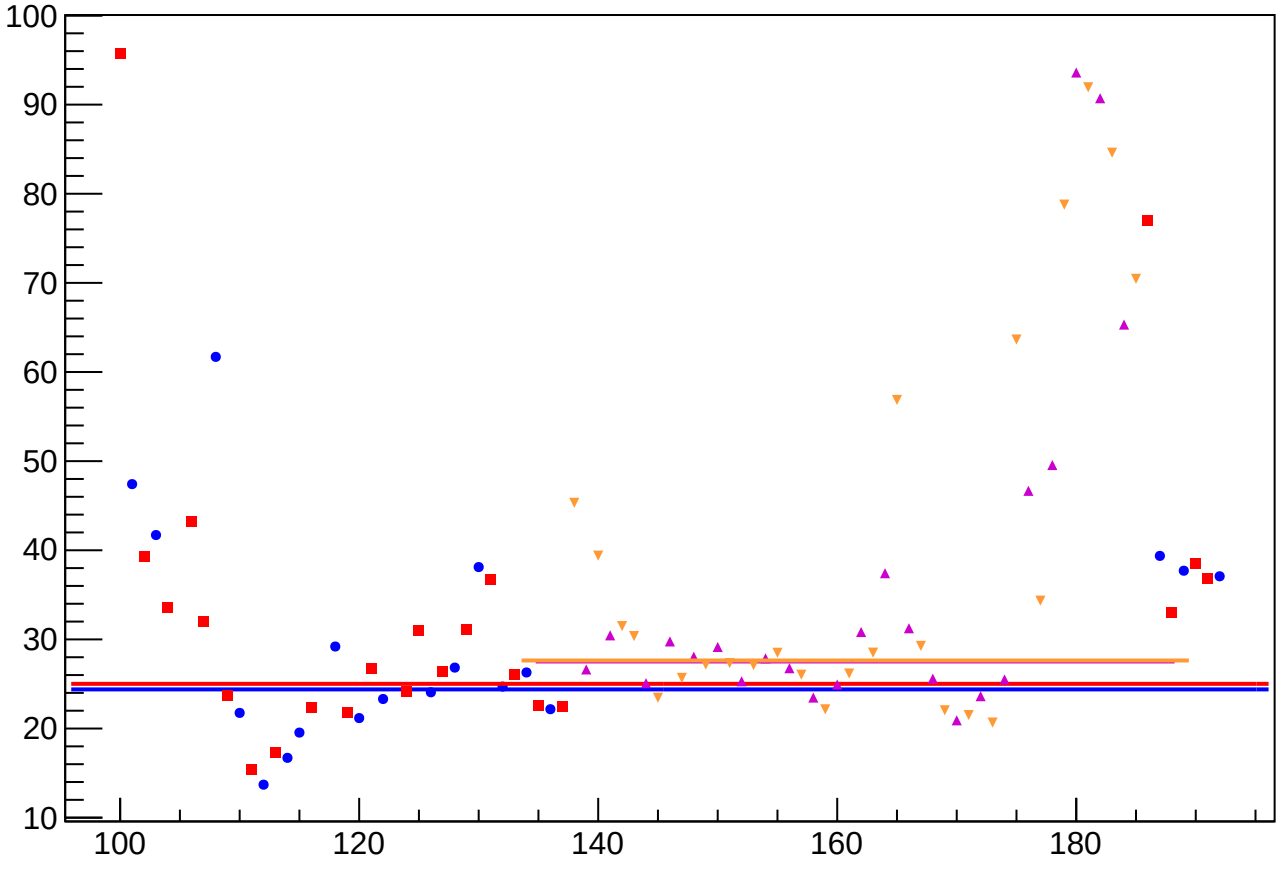
Right: -0.012+/-0.006 χ^2/NDF: 46.1/41

In: -0.013+/-0.006 χ^2/NDF:43.4/41

Out: 0.004+/-0.005 χ^2/NDF:54.9/47

All: -0.004+/-0.004 χ^2/NDF: 102.9/89

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: 25.015+/-0.006 χ^2/NDF: 1703036.9/22

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

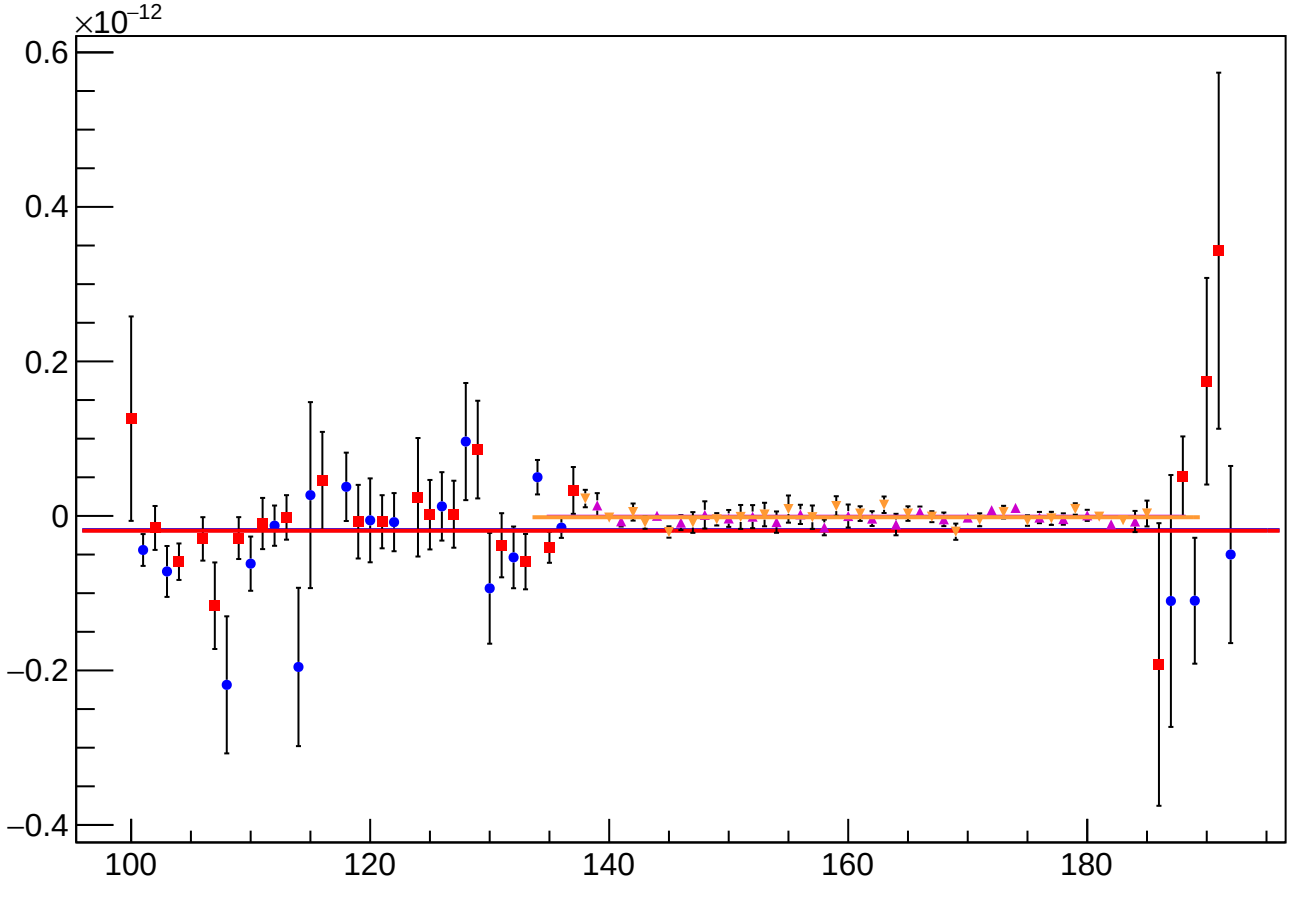
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 24.708+/-0.004 χ^2/NDF: 3707103.8/41

In: 26.339+/-0.004 χ^2/NDF:4785992.3/41

Out: 26.647+/-0.004 χ^2/NDF:5787478.4/47

All: 26.496+/-0.003 χ^2/NDF: 10576652.1/89



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: 25.4/22

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

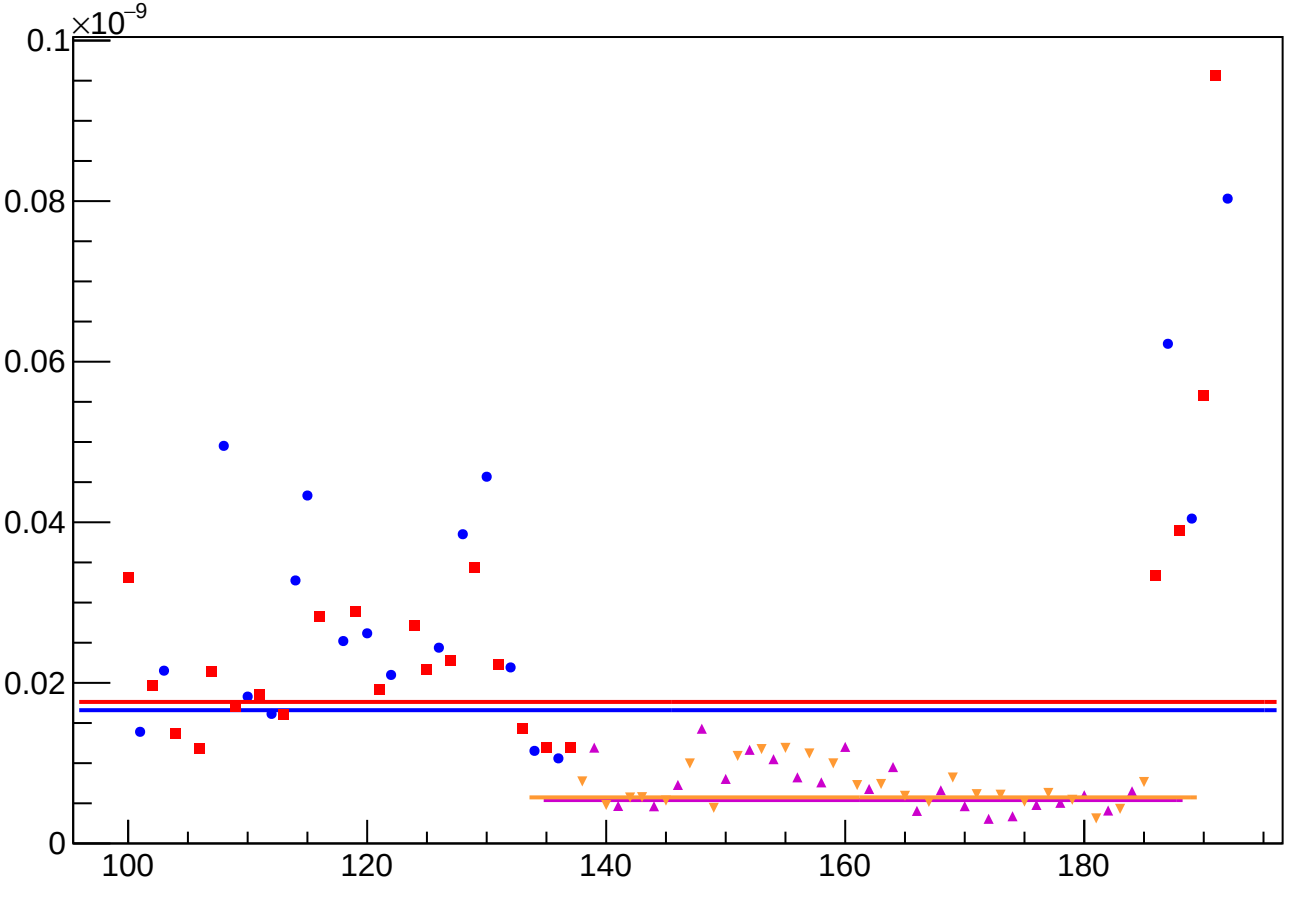
Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

Right: -0.000+/-0.000 χ^2/NDF: 57.0/41

In: -0.000+/-0.000 χ^2/NDF:52.9/41

Out: -0.000+/-0.000 χ^2/NDF:54.7/47

All: -0.000+/-0.000 χ^2/NDF: 107.7/89



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: 1604817.9/22

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

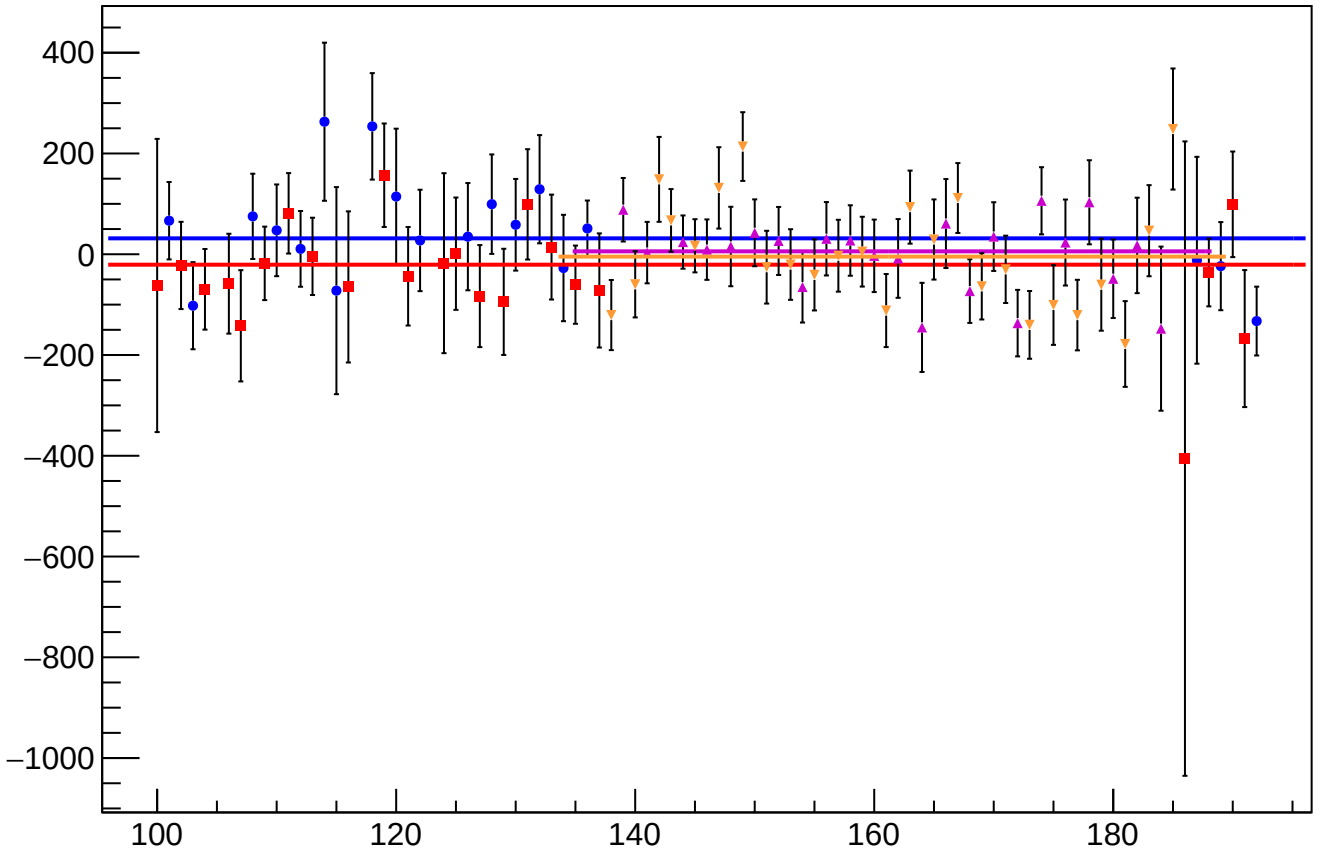
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4345505.5/41

In: 0.000+/-0.000 χ^2/NDF:10222113.7/41

Out: 0.000+/-0.000 χ^2/NDF:8705580.1/47

All: 0.000+/-0.000 χ^2/NDF: 18973140.5/89



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: -20.748+/-20.708 χ^2/NDF: 12.1/22

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

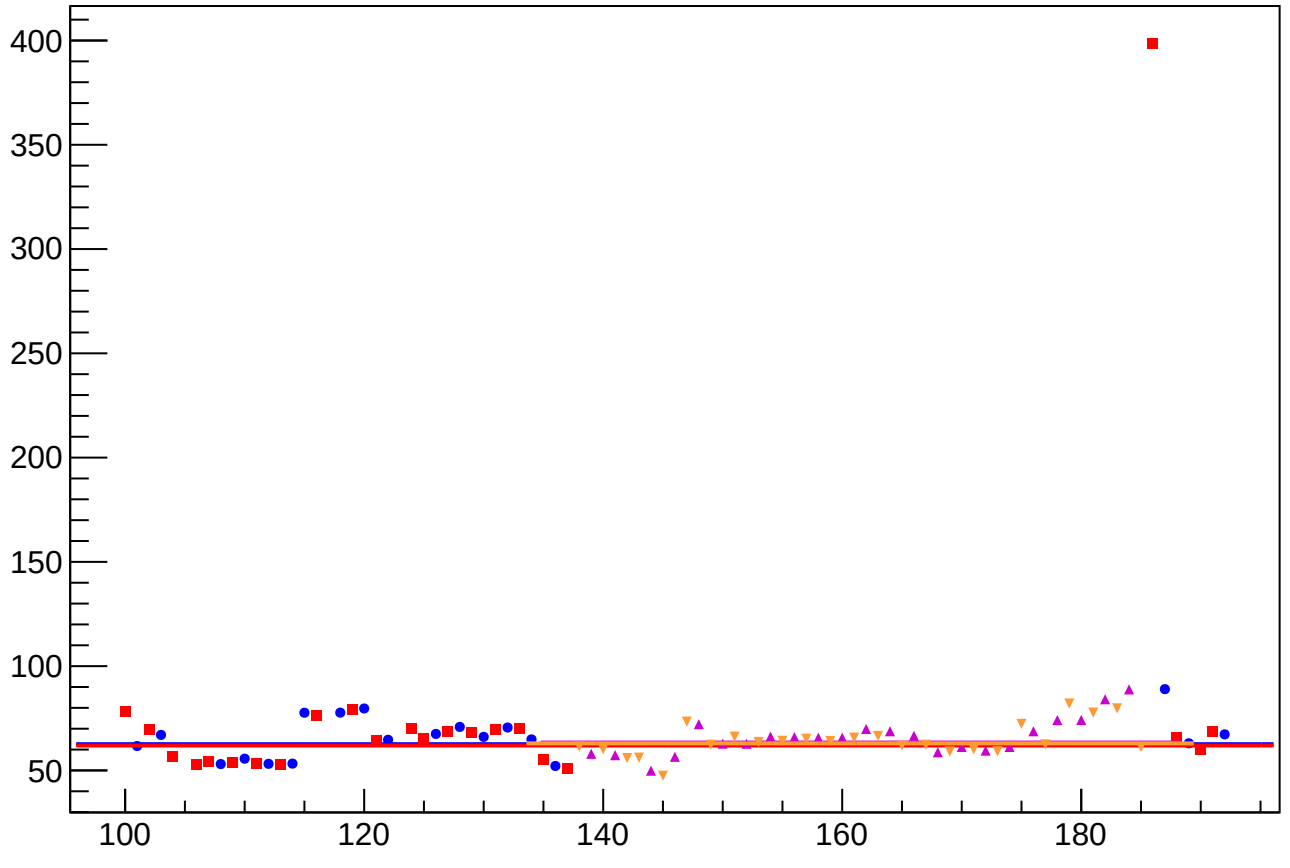
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: 4.815+/-14.805 χ^2/NDF: 33.5/41

In: 14.334+/-12.203 χ^2/NDF:37.5/41

Out: -9.975+/-11.840 χ^2/NDF:59.9/47

All: 1.813+/-8.497 χ^2/NDF: 99.5/89



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: 61.944+/-0.015 χ^2/NDF: 871595.4/22

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

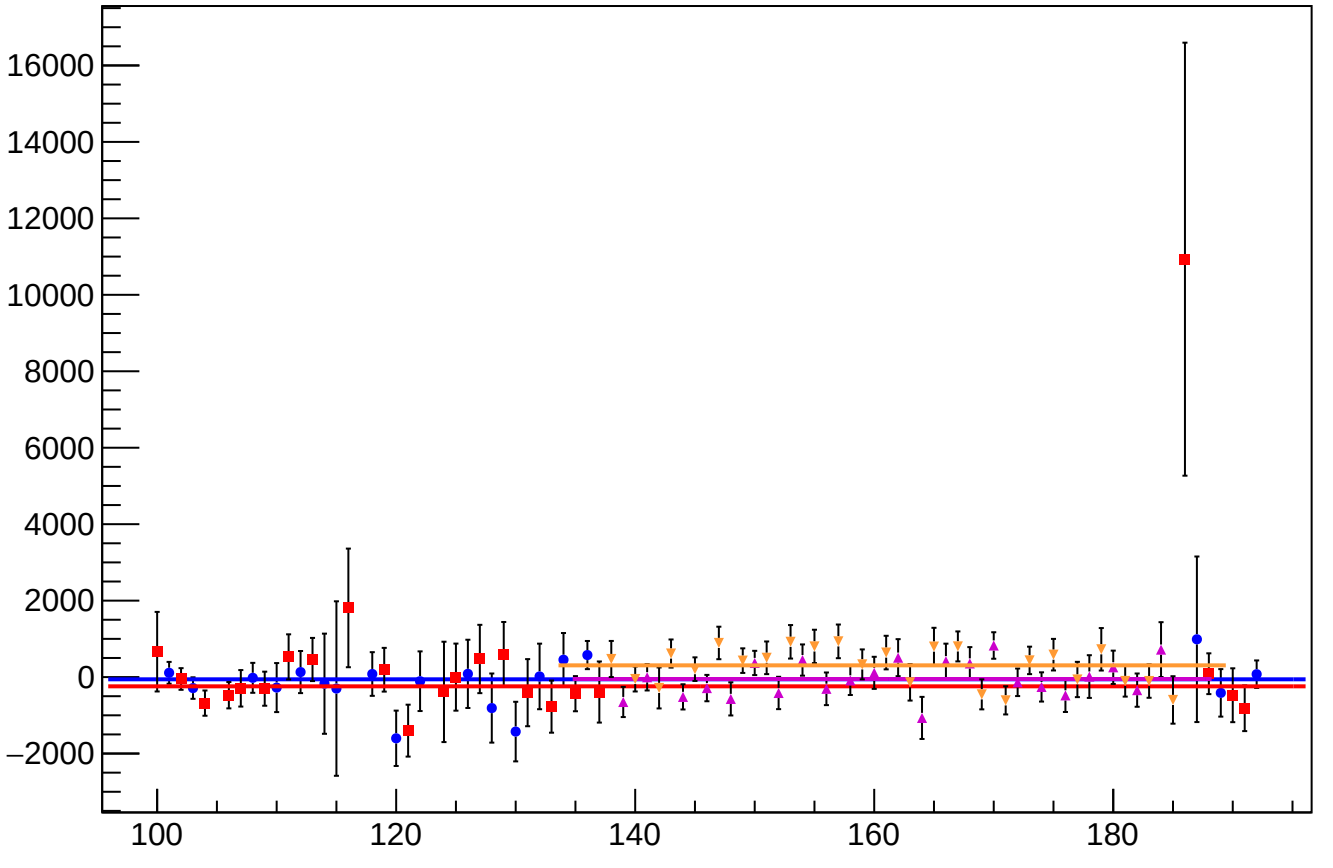
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 62.256+/-0.010 χ^2/NDF: 1185319.1/41

In: 63.105+/-0.009 χ^2/NDF:811550.4/41

Out: 62.639+/-0.008 χ^2/NDF:1401801.1/47

All: 62.865+/-0.006 χ^2/NDF: 2214857.3/89



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: -241.753+/-115.717 χ^2/NDF: 19.8/22

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

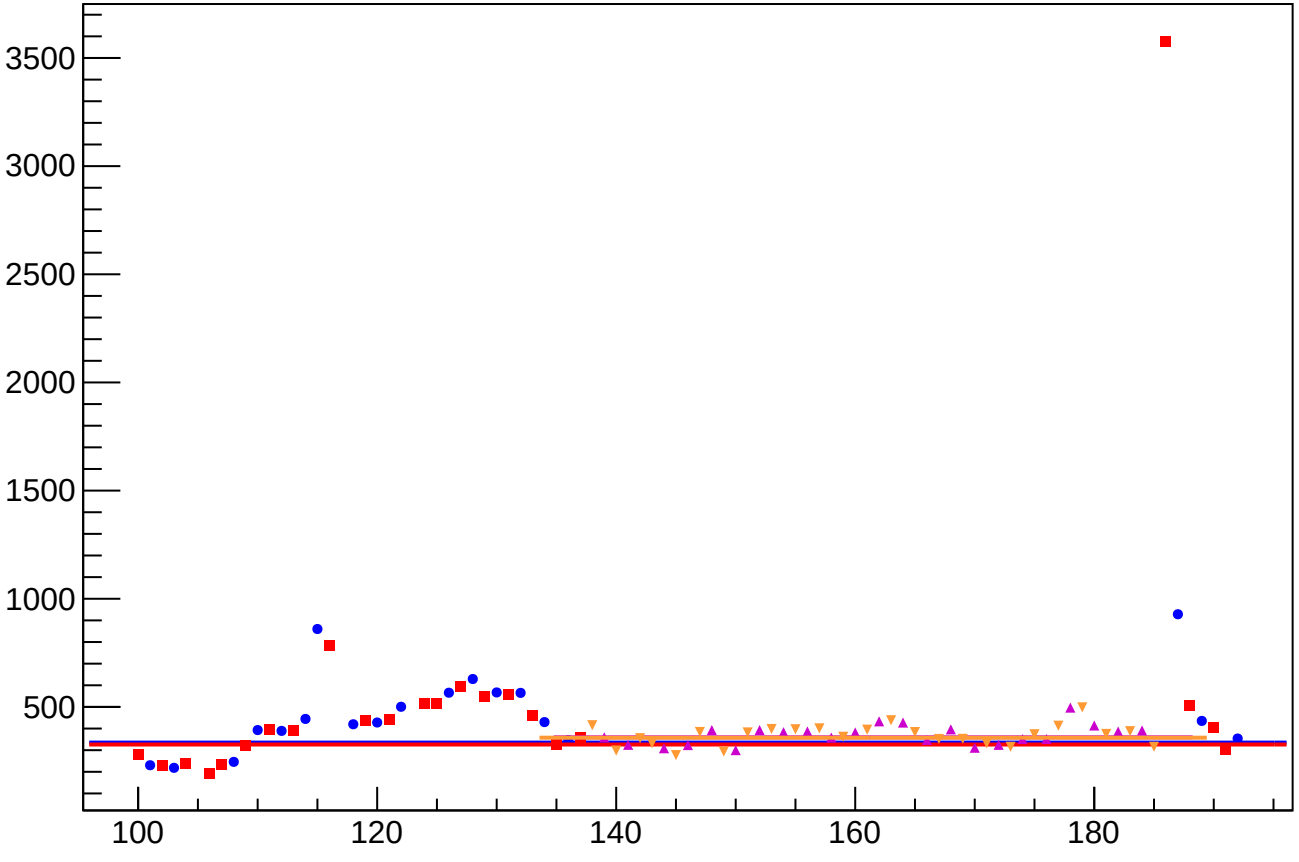
Right: -152.903+/-83.138 χ^2/NDF: 34.9/41

In: -52.738+/-69.182 χ^2/NDF:41.2/41

Out: 122.606+/-67.101 χ^2/NDF:65.4/47

All: 37.611+/-48.166 χ^2/NDF: 109.9/89

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: 326.236+/-0.082 χ^2/NDF: 2728577.0/22

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

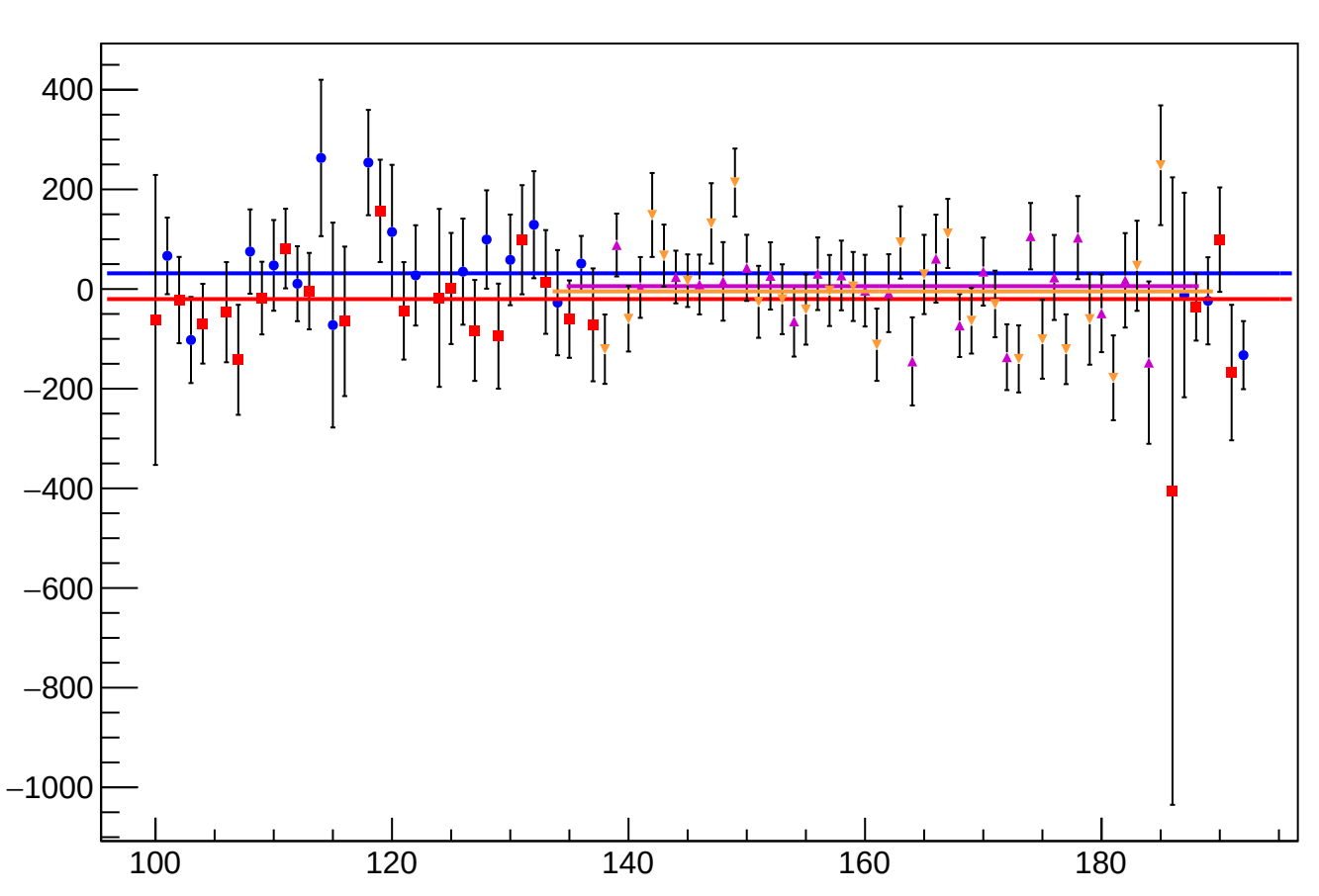
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 330.517+/-0.059 χ^2/NDF: 4685374.0/41

In: 351.220+/-0.049 χ^2/NDF:2525713.8/41

Out: 347.141+/-0.047 χ^2/NDF:3510646.3/47

All: 349.119+/-0.034 χ^2/NDF: 6039942.8/89



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: -20.192+/-20.720 χ^2/NDF: 12.1/22

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

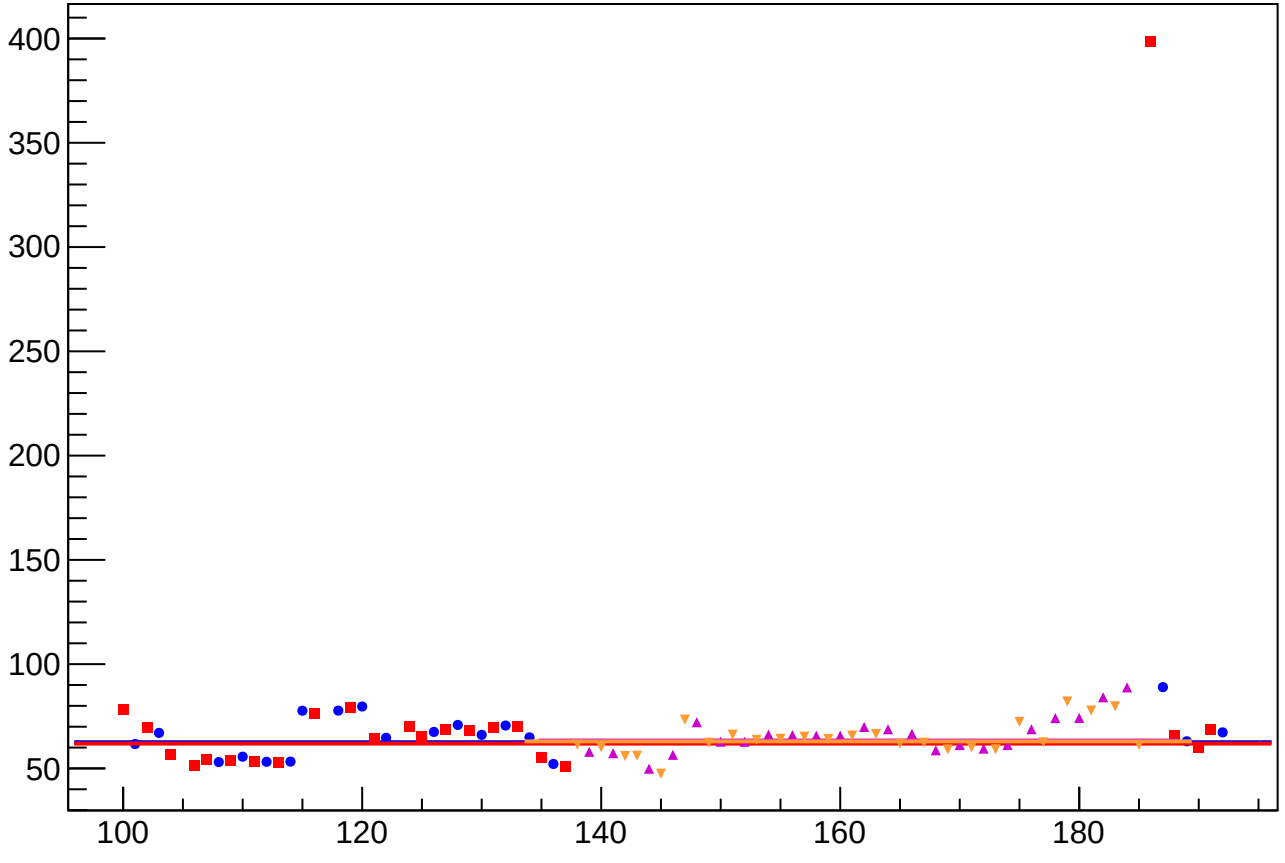
Right: 5.112+/-14.810 χ^2/NDF: 33.4/41

In: 14.331+/-12.203 χ^2/NDF:37.5/41

Out: -9.792+/-11.842 χ^2/NDF:59.8/47

All: 1.908+/-8.498 χ^2/NDF: 99.3/89

cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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: 61.911+/-0.015 χ^2/NDF: 875300.4/22

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

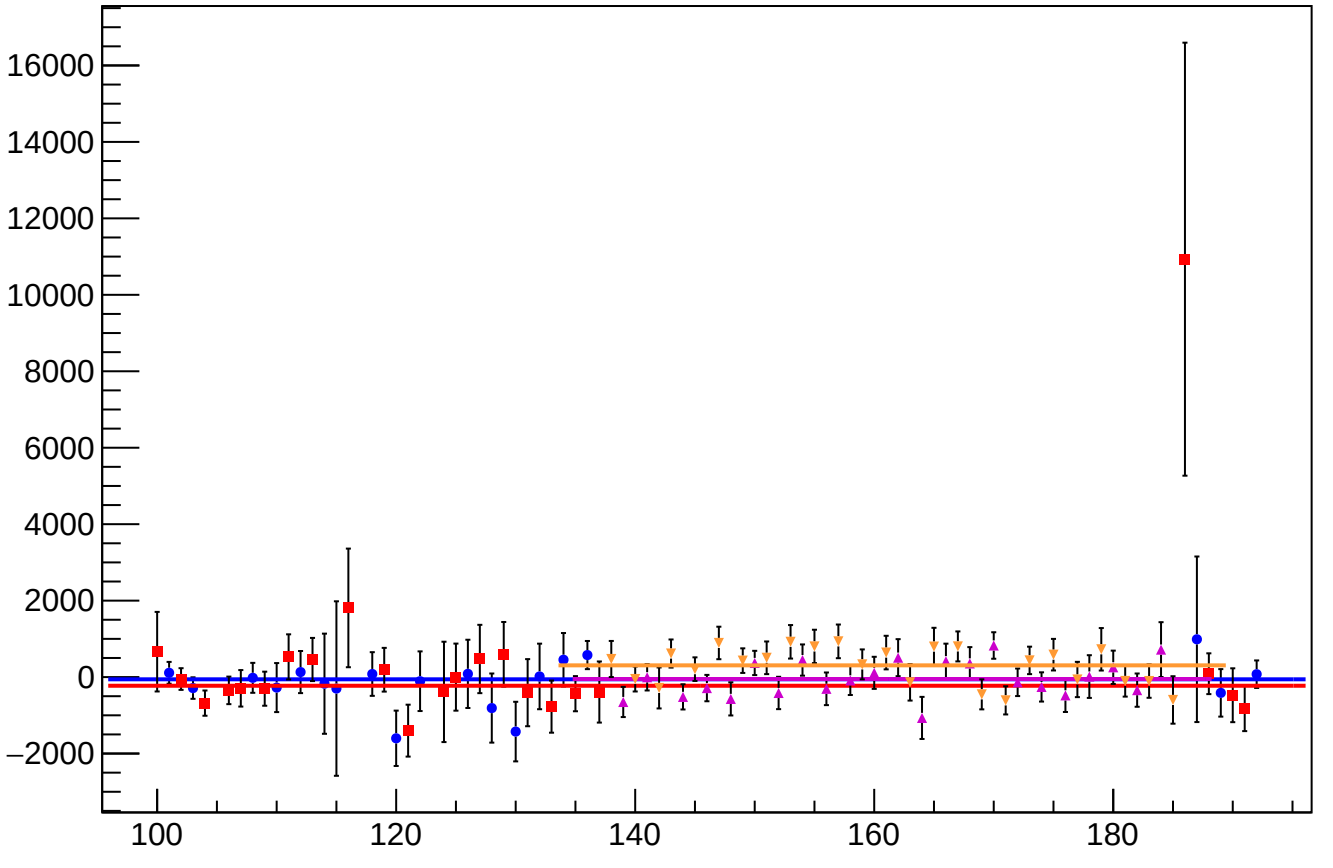
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 62.239+/-0.010 χ^2/NDF: 1189122.6/41

In: 63.105+/-0.009 χ^2/NDF:811550.6/41

Out: 62.628+/-0.008 χ^2/NDF:1405721.6/47

All: 62.860+/-0.006 χ^2/NDF: 2218846.6/89



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: -226.506+/-116.303 χ^2/NDF: 19.4/22

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

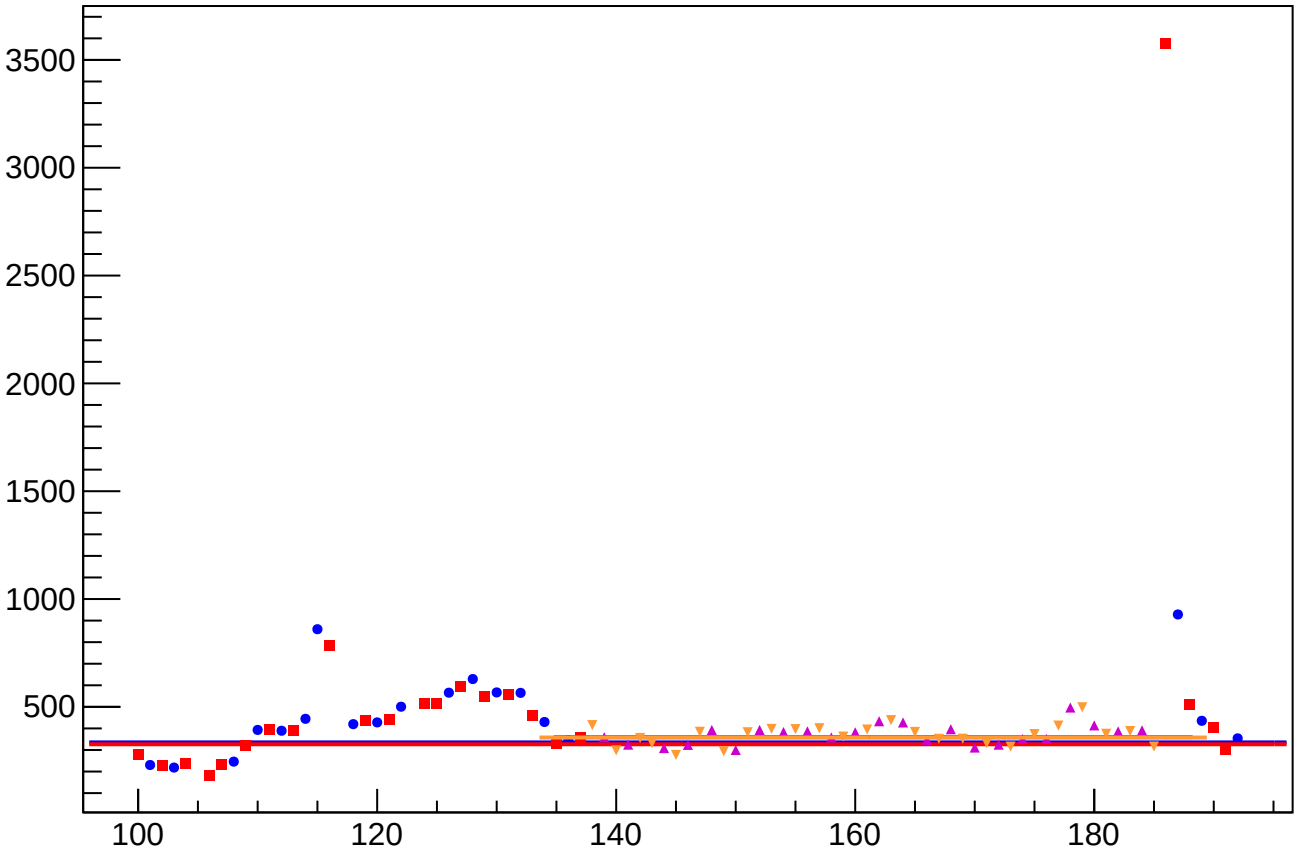
Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

Right: -144.604+/-83.354 χ^2/NDF: 34.3/41

In: -52.733+/-69.182 χ^2/NDF:41.2/41

Out: 128.928+/-67.214 χ^2/NDF:64.1/47

All: 40.718+/-48.208 χ^2/NDF: 108.8/89



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: 326.531+/-0.082 χ^2/NDF: 2746139.4/22

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

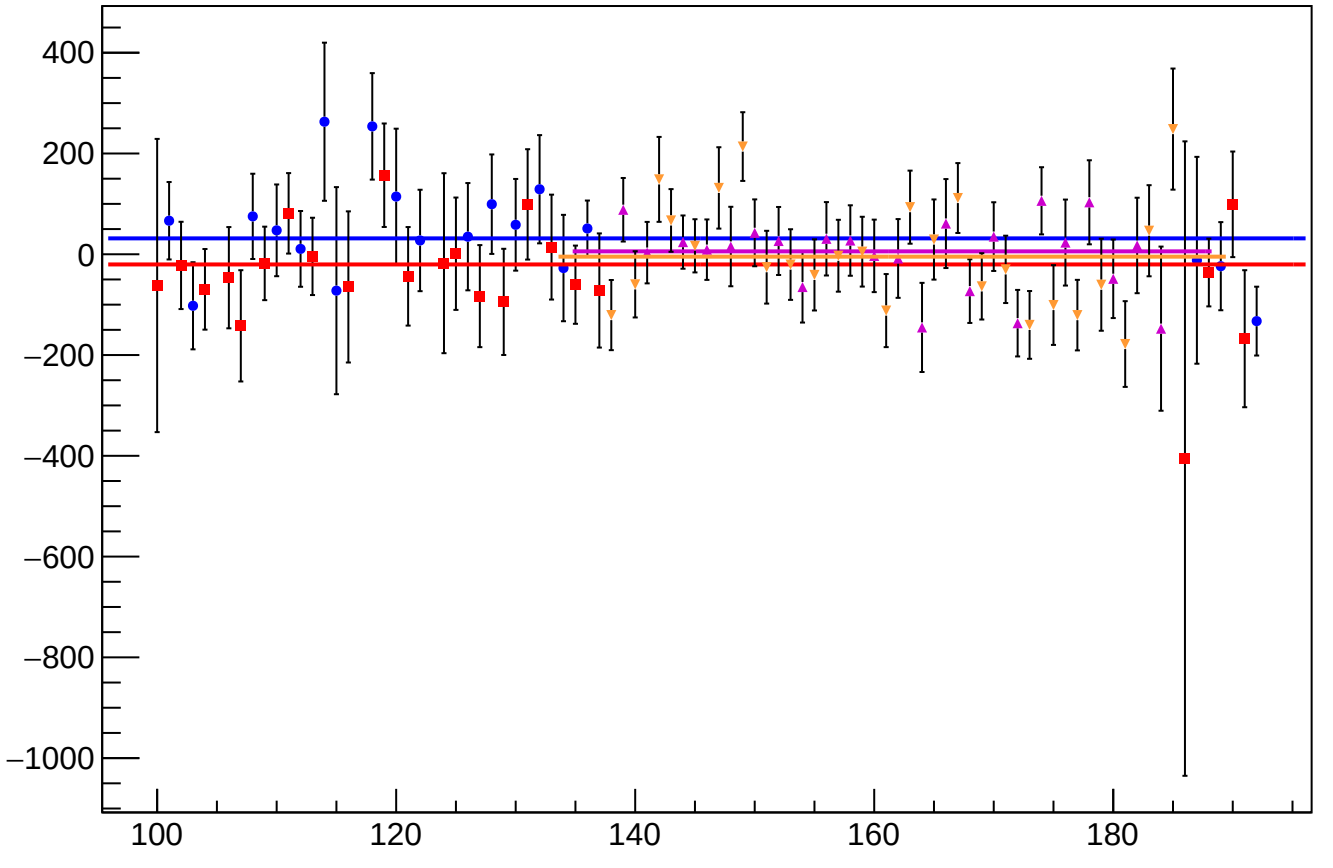
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 330.693+/-0.059 χ^2/NDF: 4702474.8/41

In: 351.221+/-0.049 χ^2/NDF:2525637.4/41

Out: 347.311+/-0.048 χ^2/NDF:3525725.5/47

All: 349.210+/-0.034 χ^2/NDF: 6054650.2/89



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: -20.192+/-20.720 χ^2/NDF: 12.1/22

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

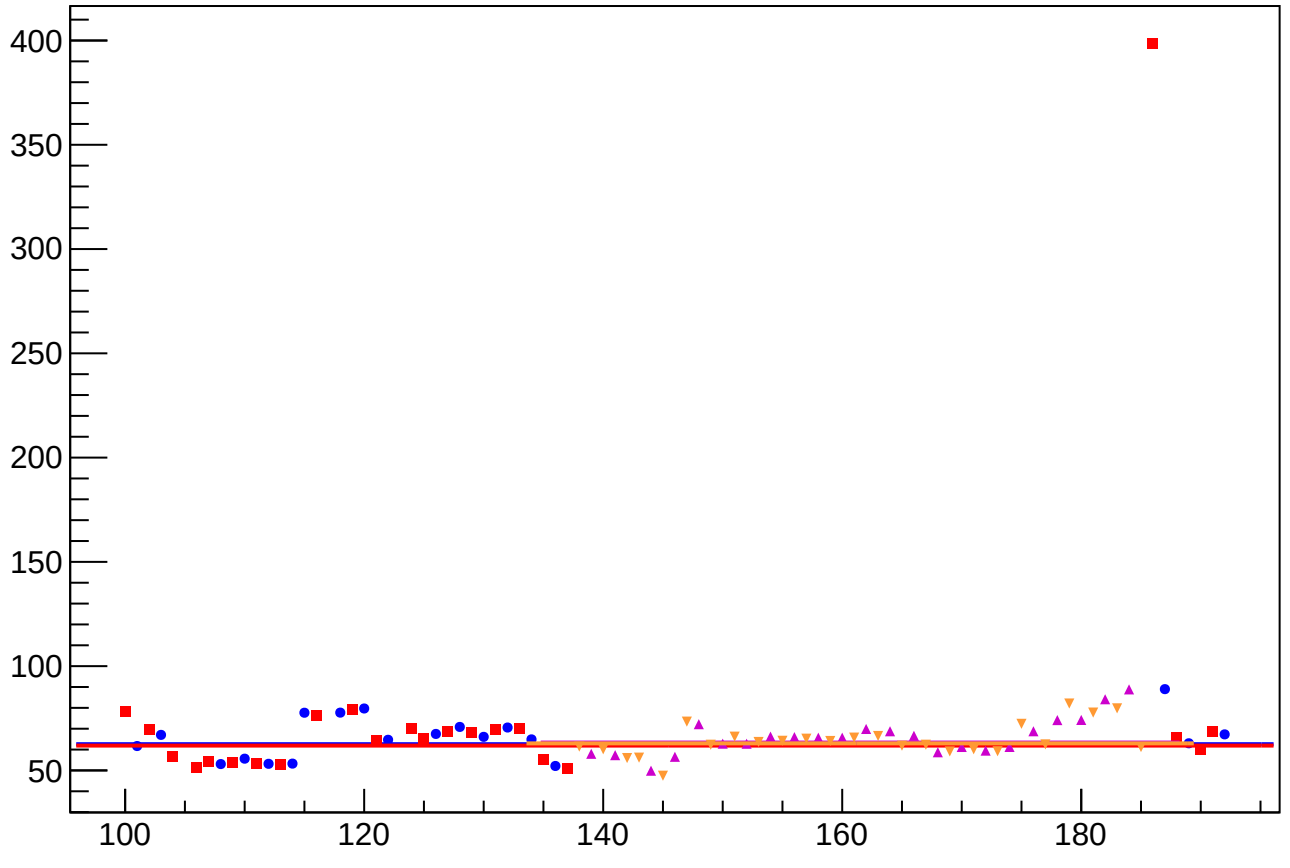
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 5.112+/-14.810 χ^2/NDF: 33.4/41

In: 14.331+/-12.203 χ^2/NDF:37.5/41

Out: -9.792+/-11.842 χ^2/NDF:59.8/47

All: 1.908+/-8.498 χ^2/NDF: 99.3/89



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: 61.911+/-0.015 χ^2/NDF: 875300.4/22

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

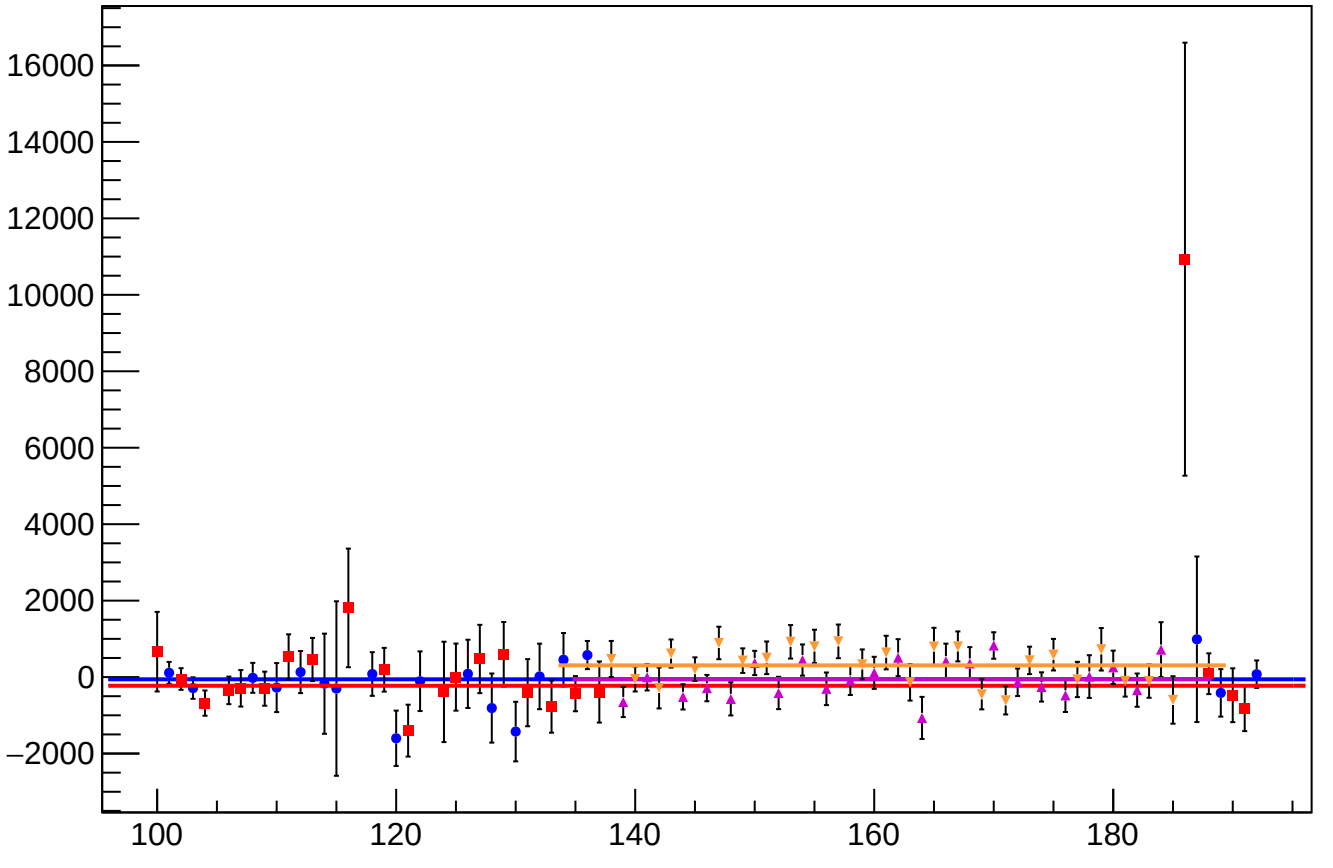
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 62.239+/-0.010 χ^2/NDF: 1189122.6/41

In: 63.105+/-0.009 χ^2/NDF:811550.6/41

Out: 62.628+/-0.008 χ^2/NDF:1405721.6/47

All: 62.860+/-0.006 χ^2/NDF: 2218846.6/89



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: -226.506+/-116.303 χ^2/NDF: 19.4/22

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

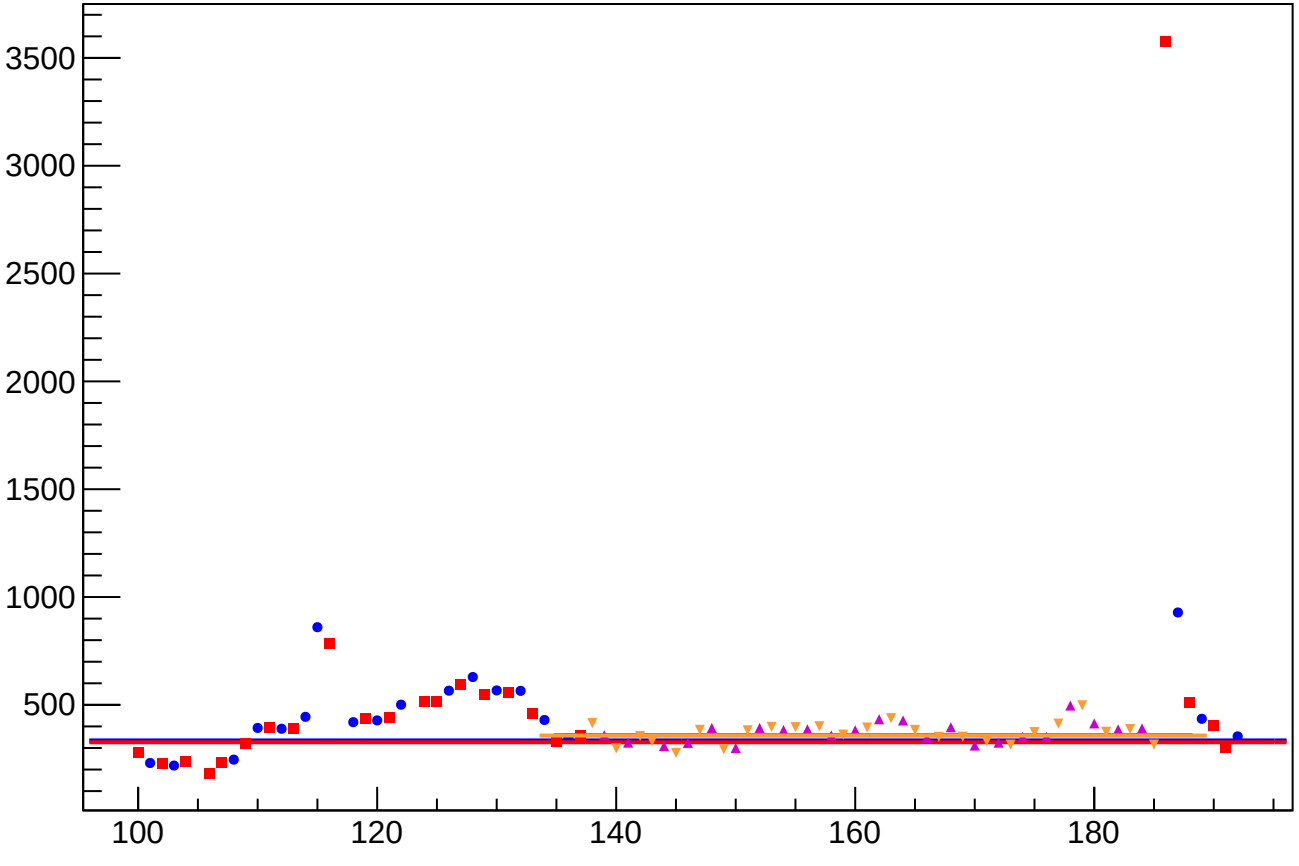
Right: -144.604+/-83.354 χ^2/NDF: 34.3/41

In: -52.733+/-69.182 χ^2/NDF:41.2/41

Out: 128.928+/-67.214 χ^2/NDF:64.1/47

All: 40.718+/-48.208 χ^2/NDF: 108.8/89

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: 326.531+/-0.082 χ^2/NDF: 2746139.4/22

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

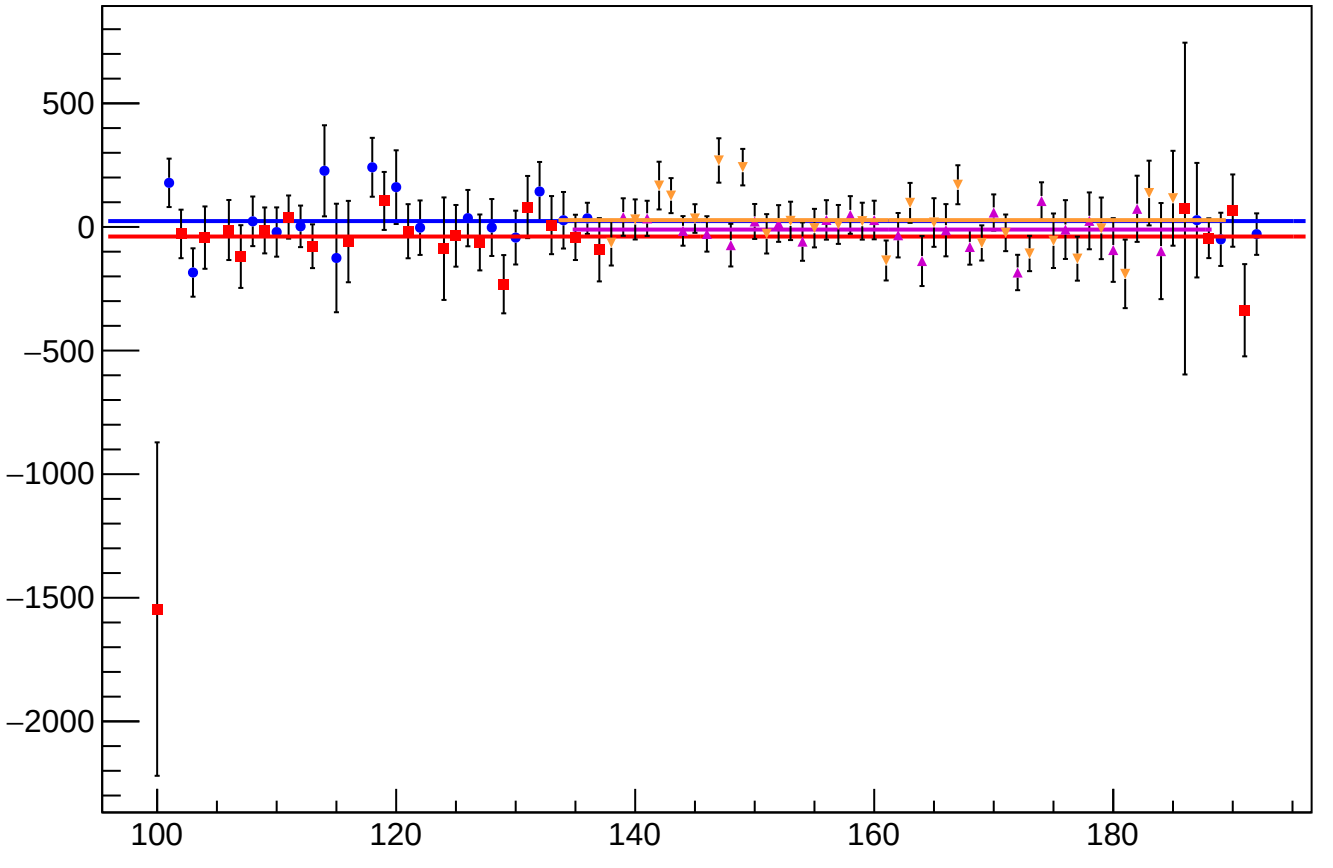
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 330.693+/-0.059 χ^2/NDF: 4702474.8/41

In: 351.221+/-0.049 χ^2/NDF:2525637.4/41

Out: 347.311+/-0.048 χ^2/NDF:3525725.5/47

All: 349.210+/-0.034 χ^2/NDF: 6054650.2/89



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: -38.717+/-24.602 χ^2/NDF: 15.2/22

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

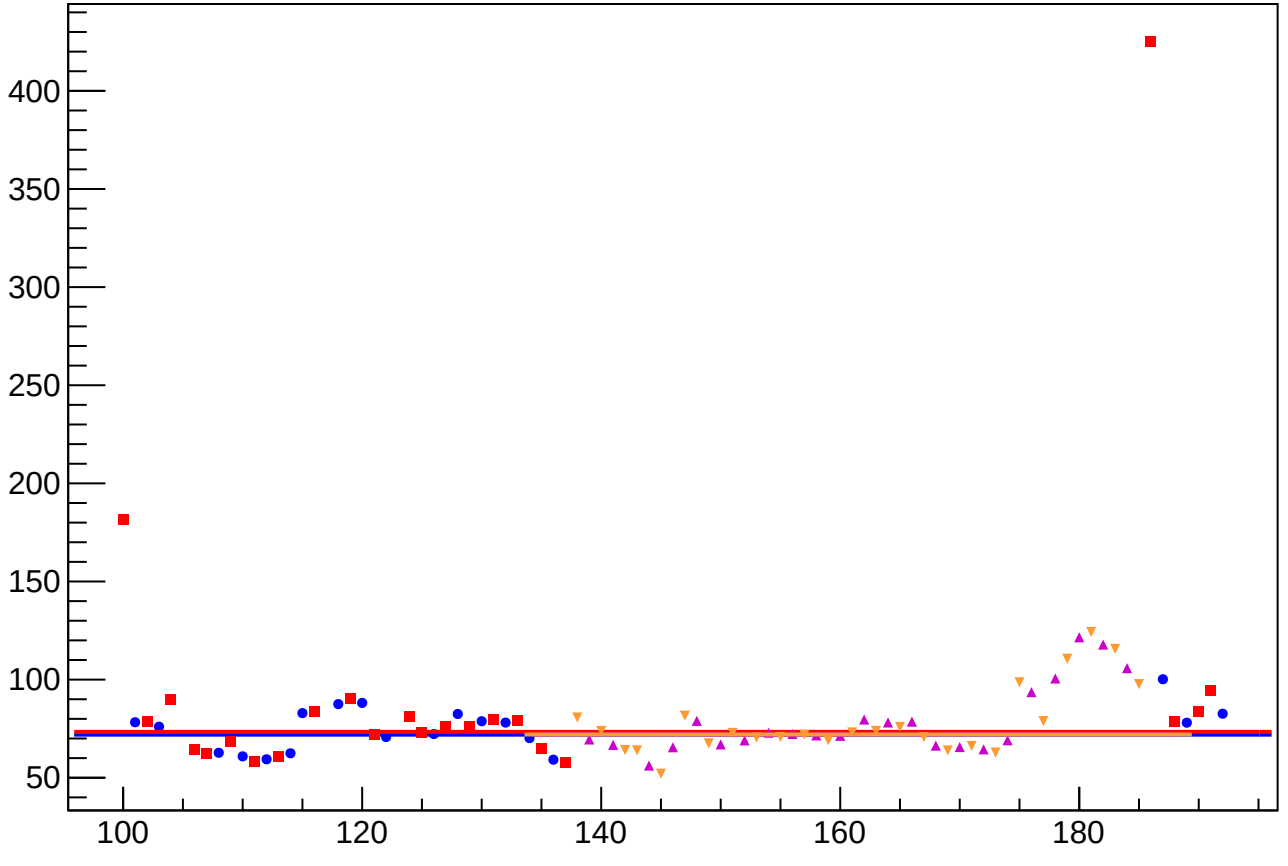
Right: -7.208+/-17.323 χ^2/NDF: 34.0/41

In: 0.889+/-14.071 χ^2/NDF:32.9/41

Out: 6.627+/-13.841 χ^2/NDF:62.5/47

All: 3.805+/-9.868 χ^2/NDF: 95.6/89

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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: 73.380+/-0.017 χ^2/NDF: 929083.5/22

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

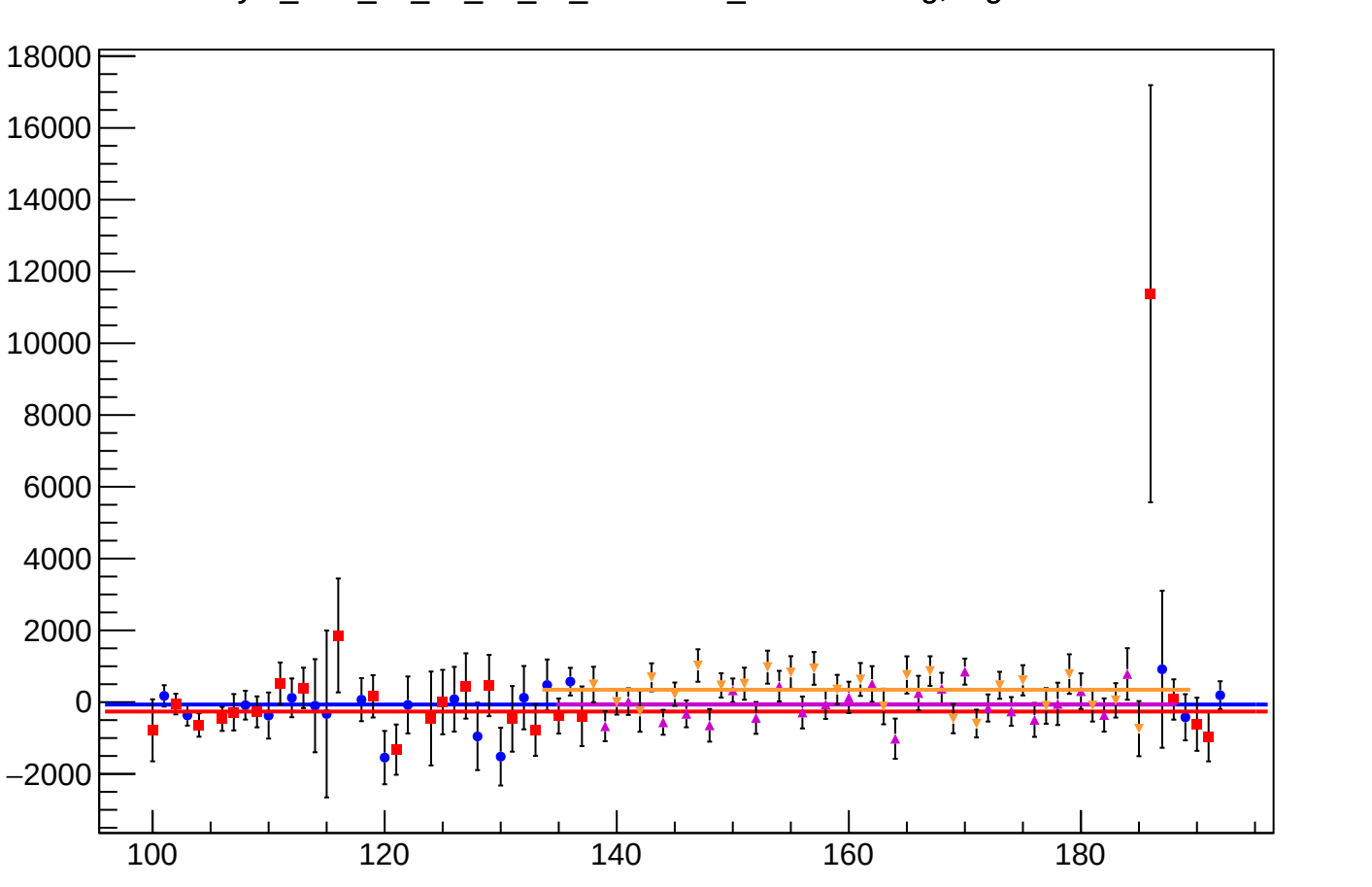
Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

Right: 72.663+/-0.012 χ^2/NDF: 1279314.3/41

In: 72.048+/-0.010 χ^2/NDF:1405761.2/41

Out: 72.465+/-0.010 χ^2/NDF:2202604.0/47

All: 72.259+/-0.007 χ^2/NDF: 3609257.8/89



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: -261.571+/-117.098 χ^2/NDF: 18.1/22

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

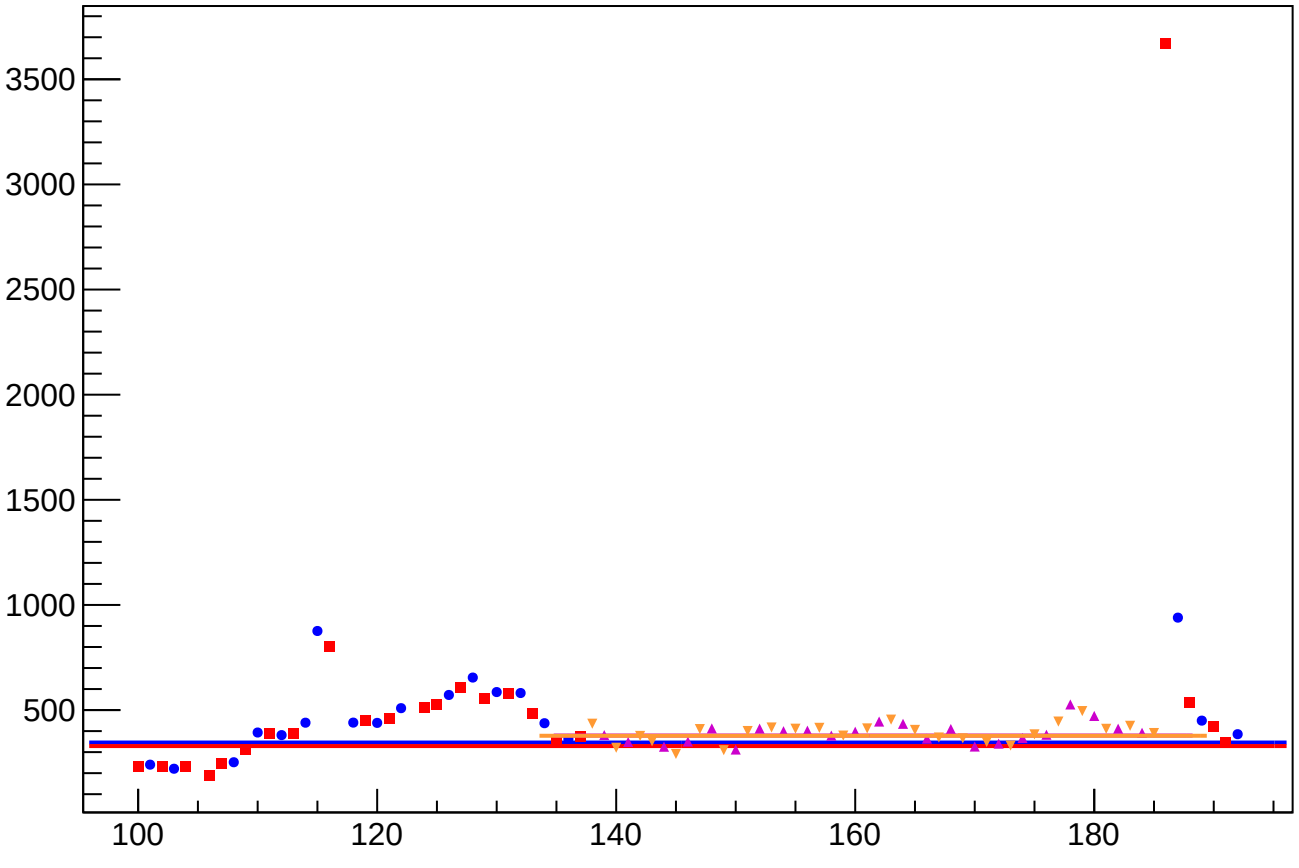
Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

Right: -169.256+/-84.903 χ^2/NDF: 34.1/41

In: -62.330+/-72.379 χ^2/NDF:40.5/41

Out: 130.457+/-69.743 χ^2/NDF:64.5/47

All: 37.638+/-50.222 χ^2/NDF: 108.6/89



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: 328.790+/-0.083 χ^2/NDF: 2906162.1/22

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

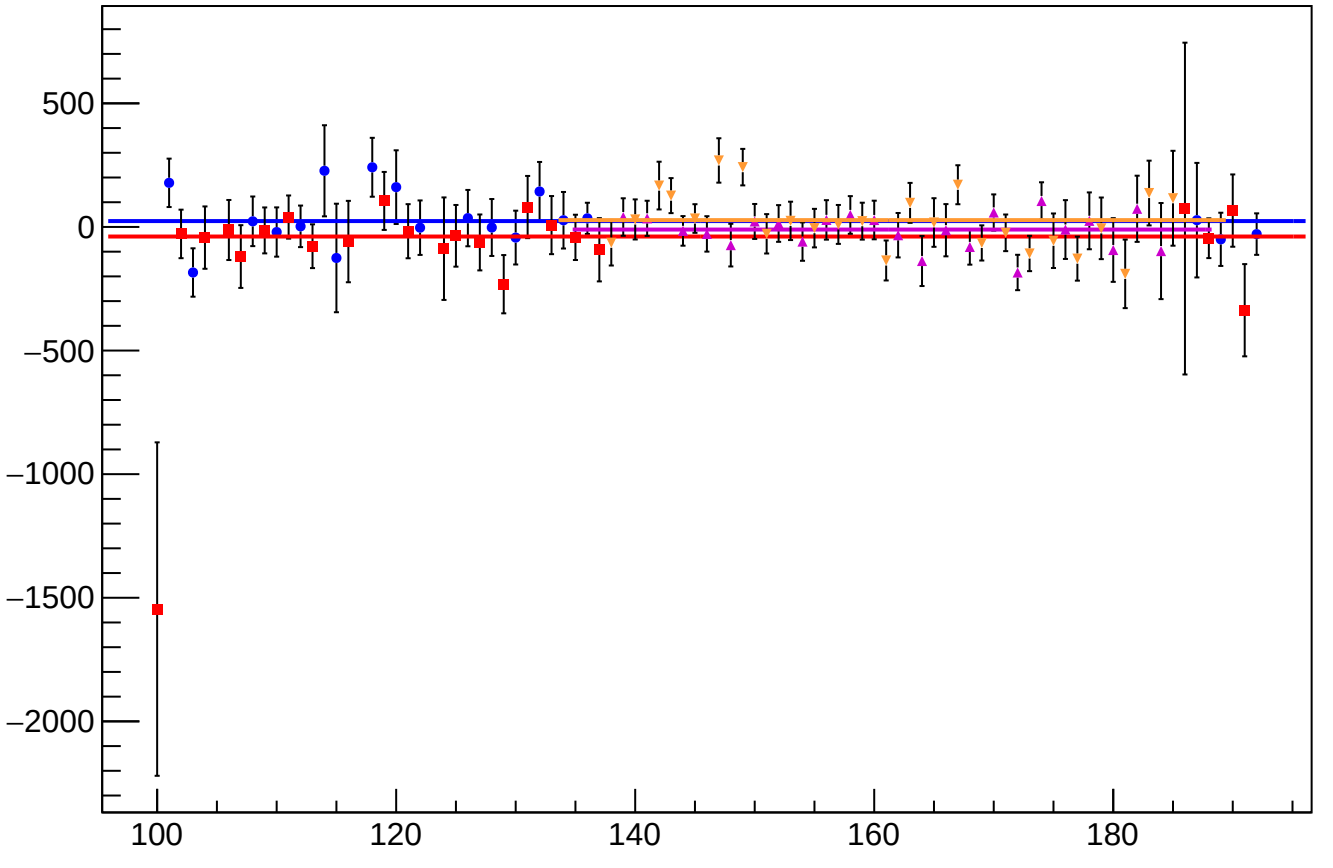
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 336.786+/-0.060 χ^2/NDF: 4891299.4/41

In: 367.418+/-0.051 χ^2/NDF:2588335.3/41

Out: 360.412+/-0.049 χ^2/NDF:3768914.0/47

All: 363.785+/-0.036 χ^2/NDF: 6366965.0/89



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: -38.717+/-24.602 χ^2/NDF: 15.2/22

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

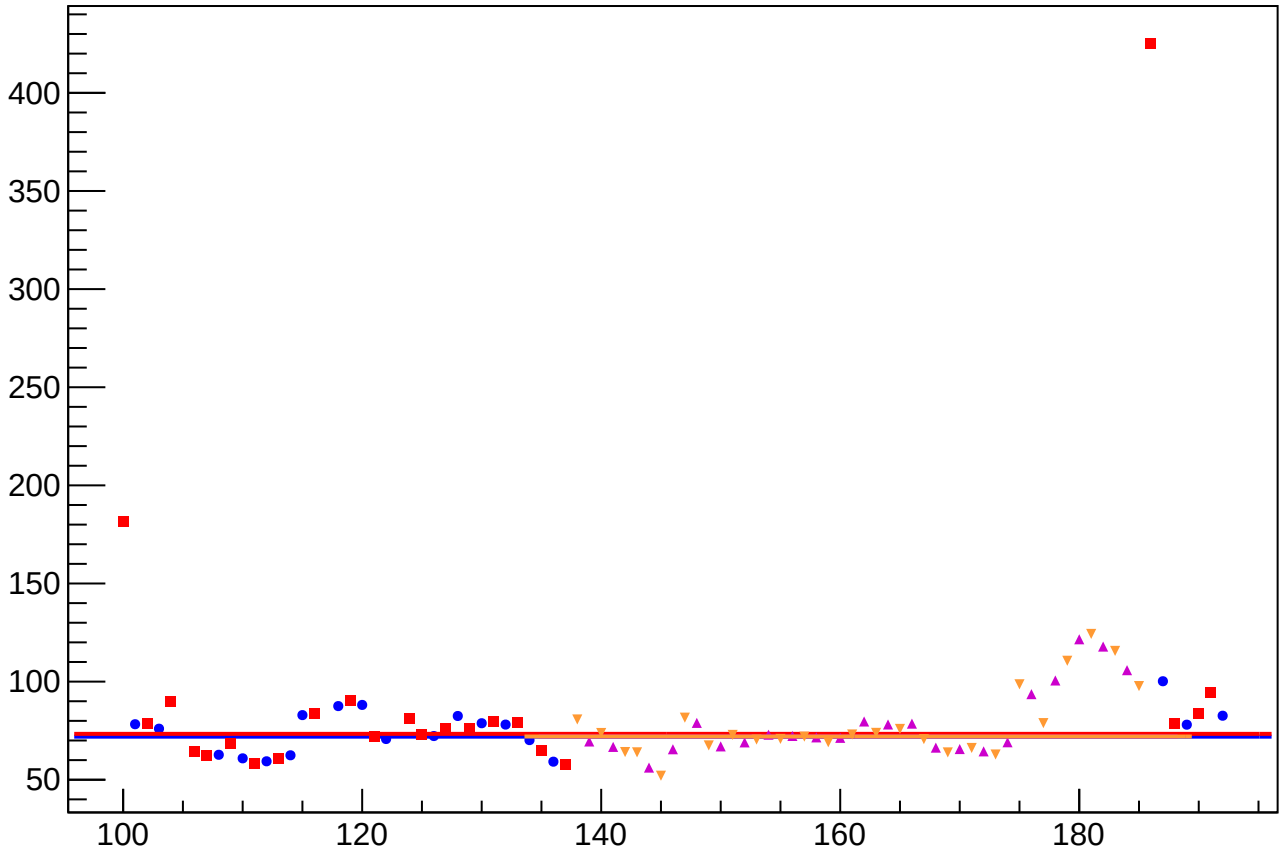
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -7.208+/-17.323 χ^2/NDF: 34.0/41

In: 0.889+/-14.071 χ^2/NDF:32.9/41

Out: 6.627+/-13.841 χ^2/NDF:62.5/47

All: 3.805+/-9.867 χ^2/NDF: 95.6/89



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: 73.380+/-0.017 χ^2/NDF: 929083.5/22

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

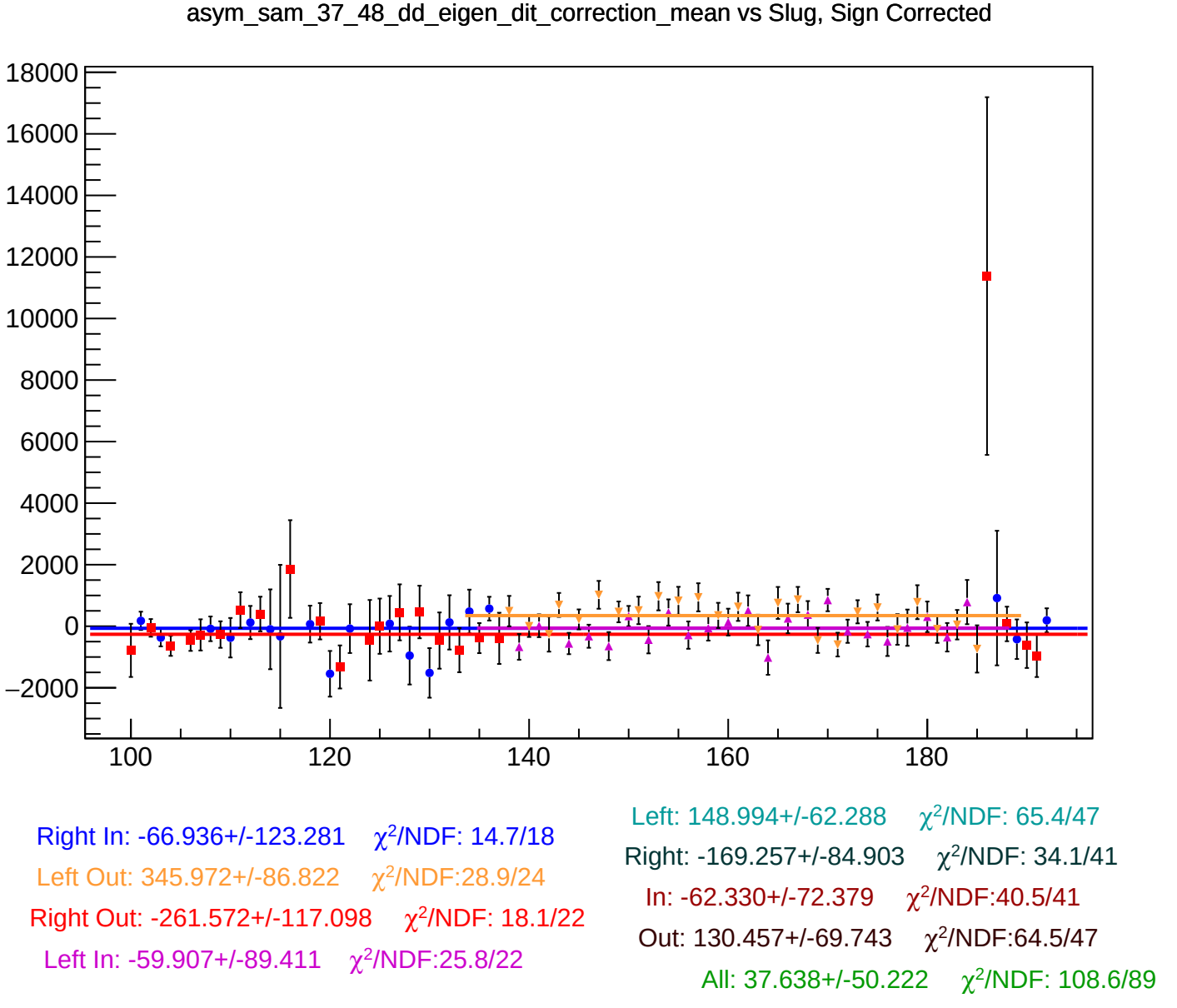
Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

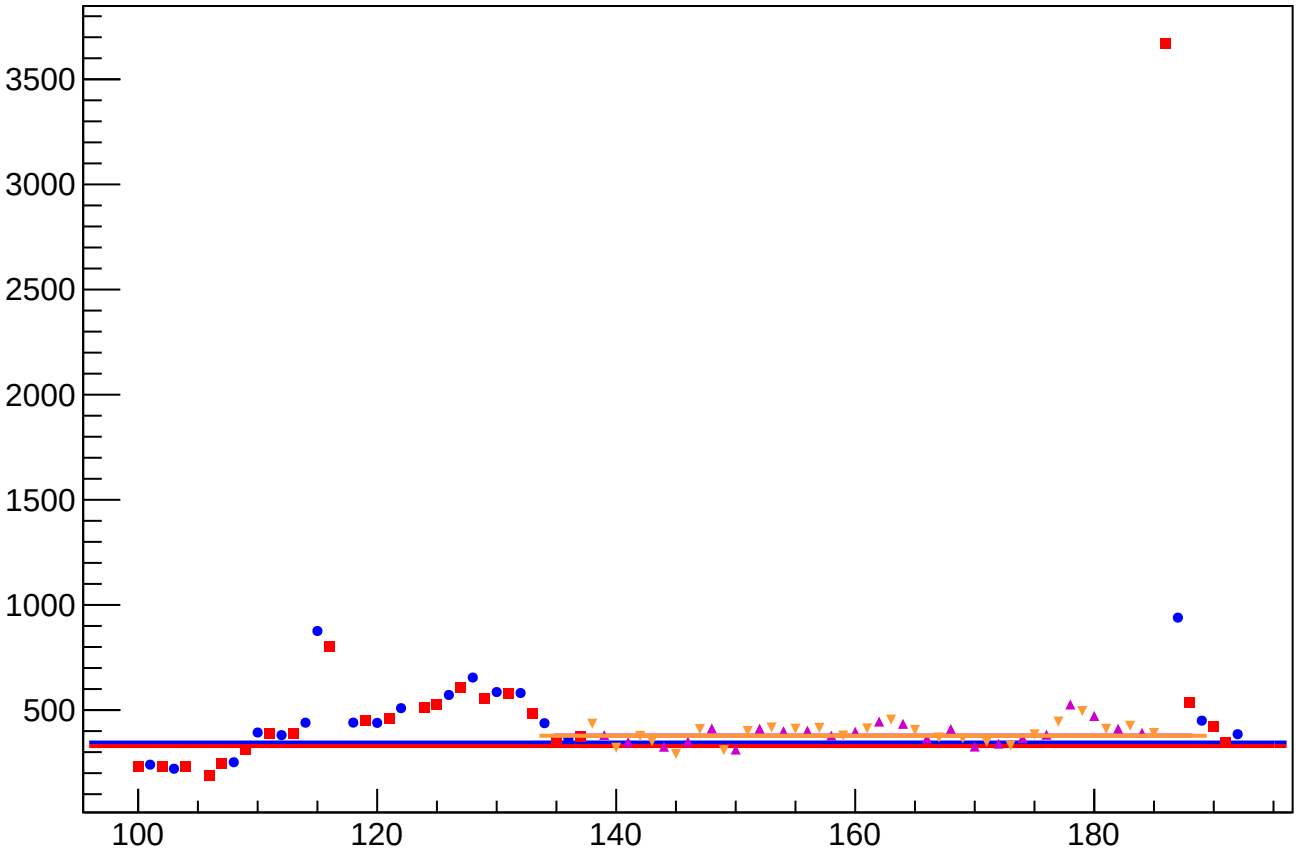
Right: 72.663+/-0.012 χ^2/NDF: 1279309.9/41

In: 72.047+/-0.010 χ^2/NDF:1405747.0/41

Out: 72.464+/-0.010 χ^2/NDF:2202611.6/47

All: 72.259+/-0.007 χ^2/NDF: 3609251.2/89


asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
100
120
140
160
180
Right In: -66.936+/-123.281 χ²/NDF: 14.7/18
Left Out: 345.972+/-86.822 χ²/NDF:28.9/24
Right Out: -261.572+/-117.098 χ²/NDF: 18.1/22
Left In: -59.907+/-89.411 χ²/NDF:25.8/22
Left: 148.994+/-62.288 χ²/NDF: 65.4/47
Right: -169.257+/-84.903 χ²/NDF: 34.1/41
In: -62.330+/-72.379 χ²/NDF:40.5/41
Out: 130.457+/-69.743 χ²/NDF:64.5/47
All: 37.638+/-50.222 χ²/NDF: 108.6/89



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: 328.790+/-0.083 χ^2/NDF: 2906154.5/22

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

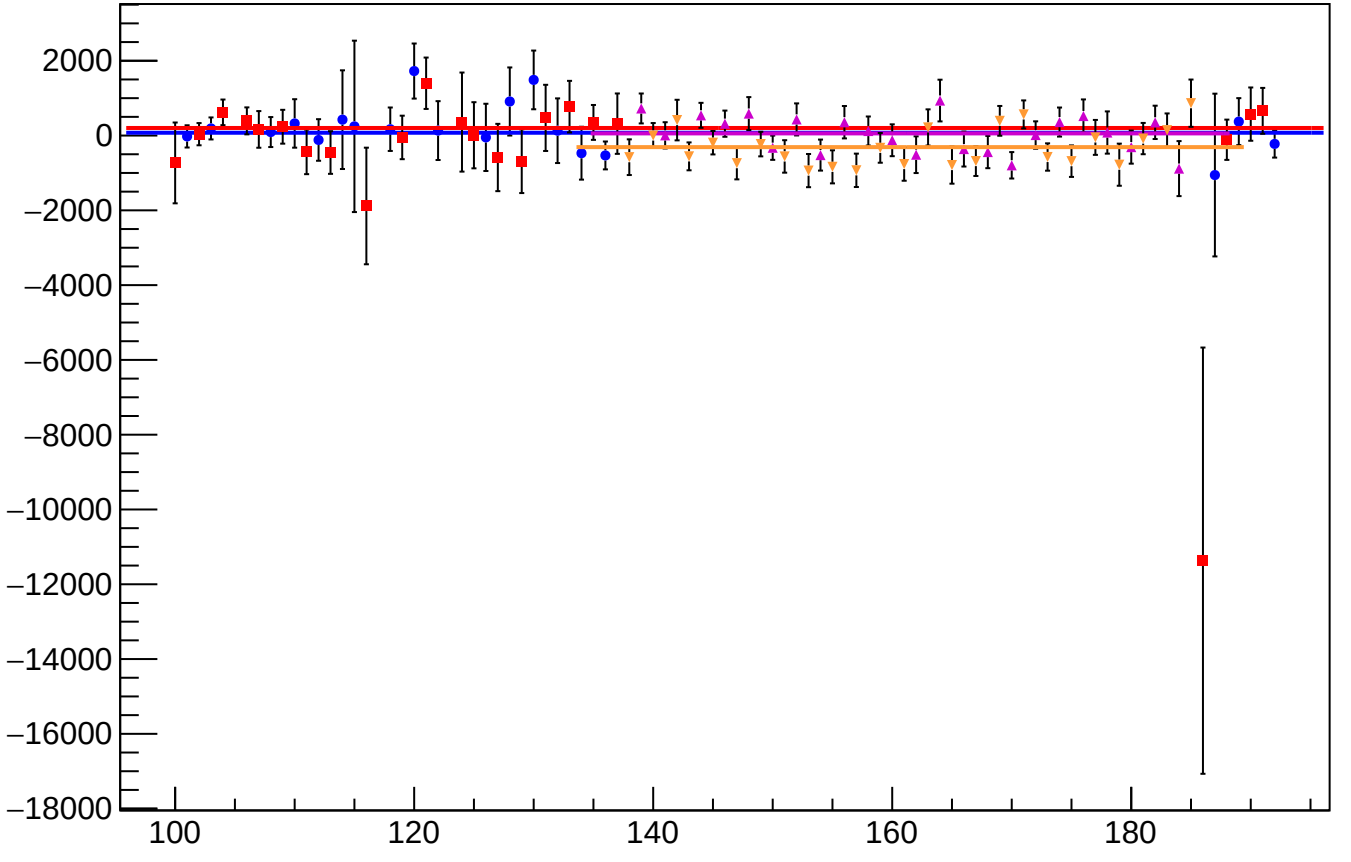
Right: 336.786+/-0.060 χ^2/NDF: 4891286.6/41

In: 367.418+/-0.051 χ^2/NDF:2588324.3/41

Out: 360.412+/-0.049 χ^2/NDF:3768903.9/47

All: 363.785+/-0.036 χ^2/NDF: 6366944.1/89

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: 202.774+/-118.763 χ^2/NDF: 18.4/22

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

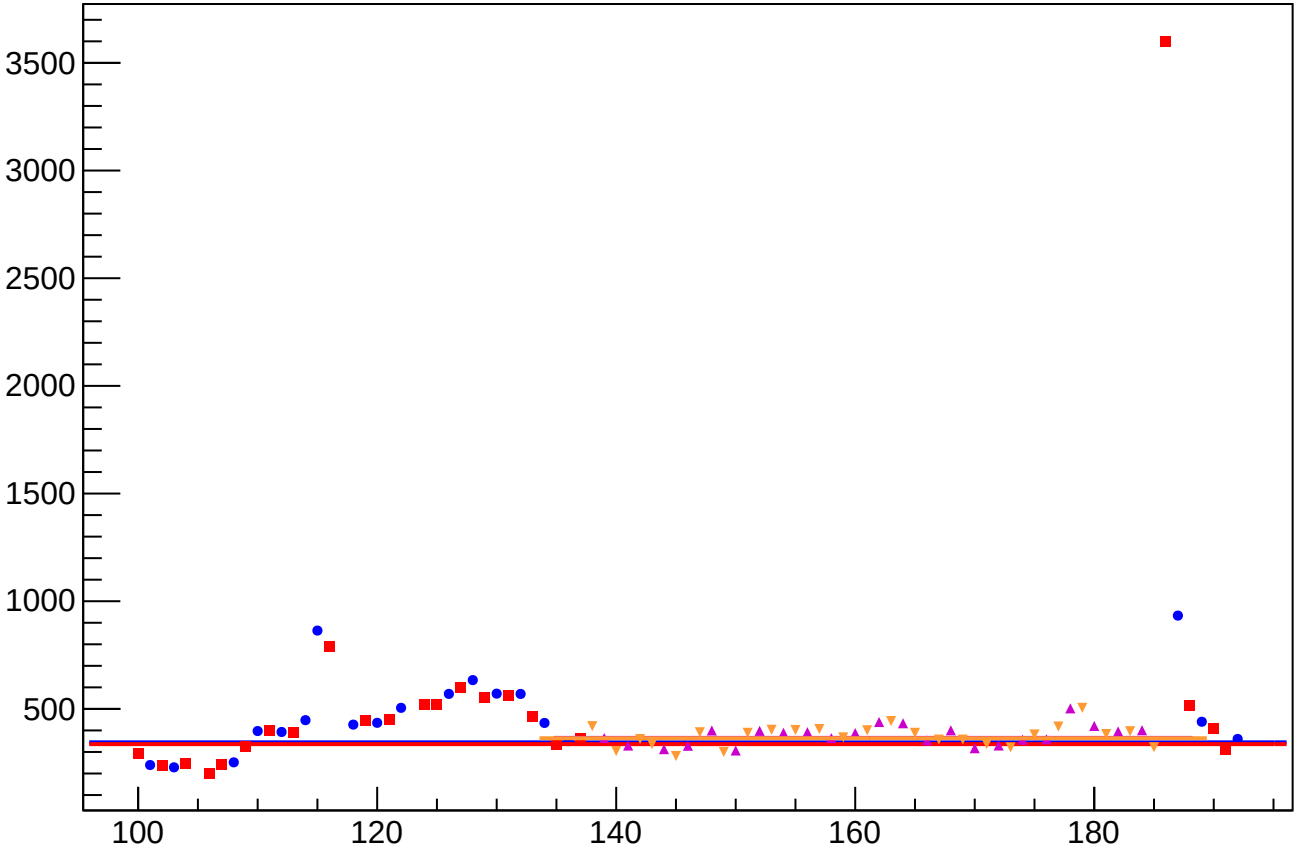
Right: 140.918+/-85.252 χ^2/NDF: 33.2/41

In: 63.383+/-70.500 χ^2/NDF:42.2/41

Out: -139.368+/-68.419 χ^2/NDF:60.8/47

All: -41.029+/-49.099 χ^2/NDF: 107.3/89

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: 336.401+/-0.084 χ^2/NDF: 2581956.0/22

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

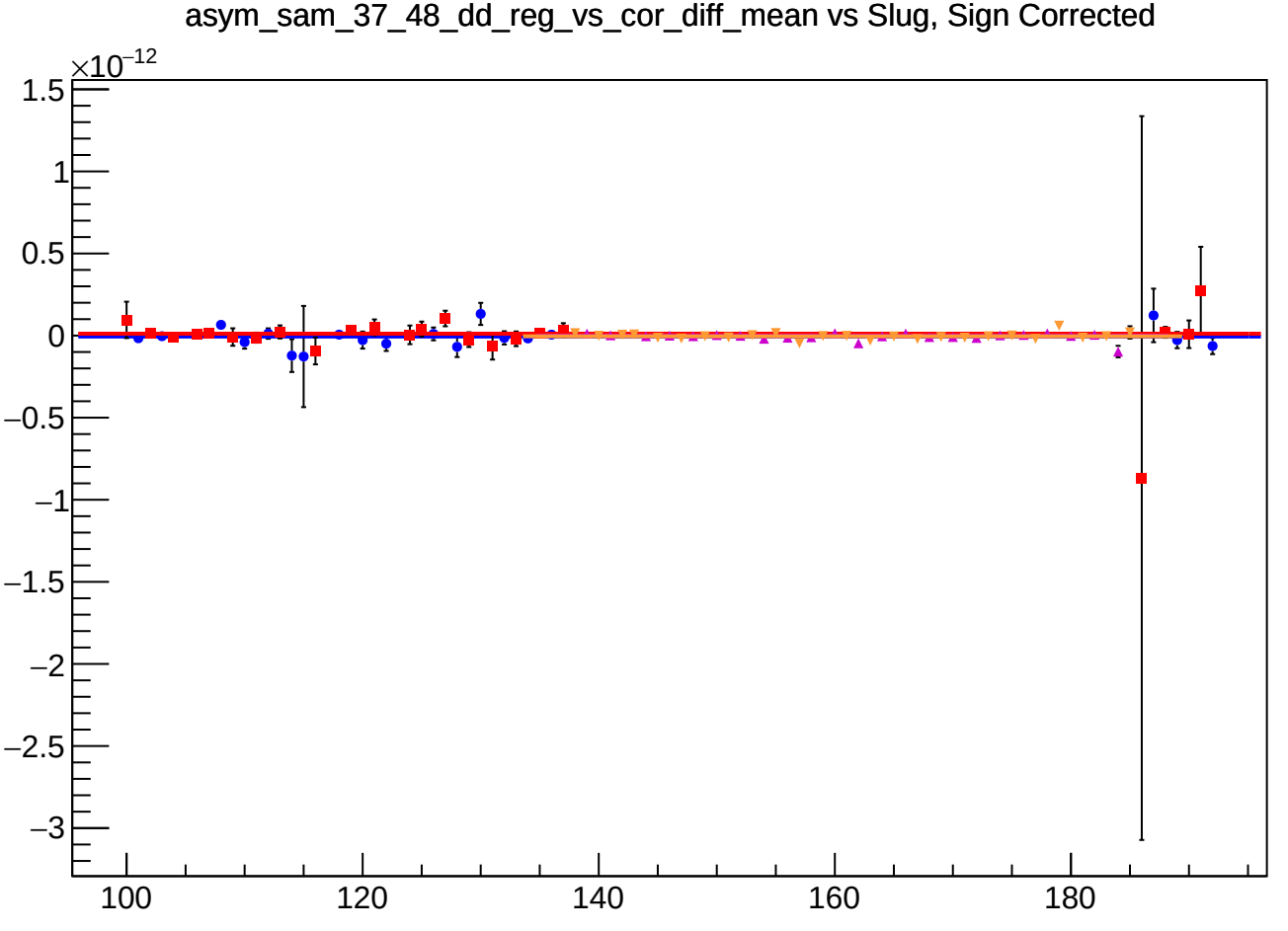
Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

Right: 340.404+/-0.060 χ^2/NDF: 4410282.3/41

In: 358.474+/-0.050 χ^2/NDF:2371215.3/41

Out: 354.649+/-0.048 χ^2/NDF:3321875.0/47

All: 356.504+/-0.035 χ^2/NDF: 5696121.9/89



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: 13.6/22

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

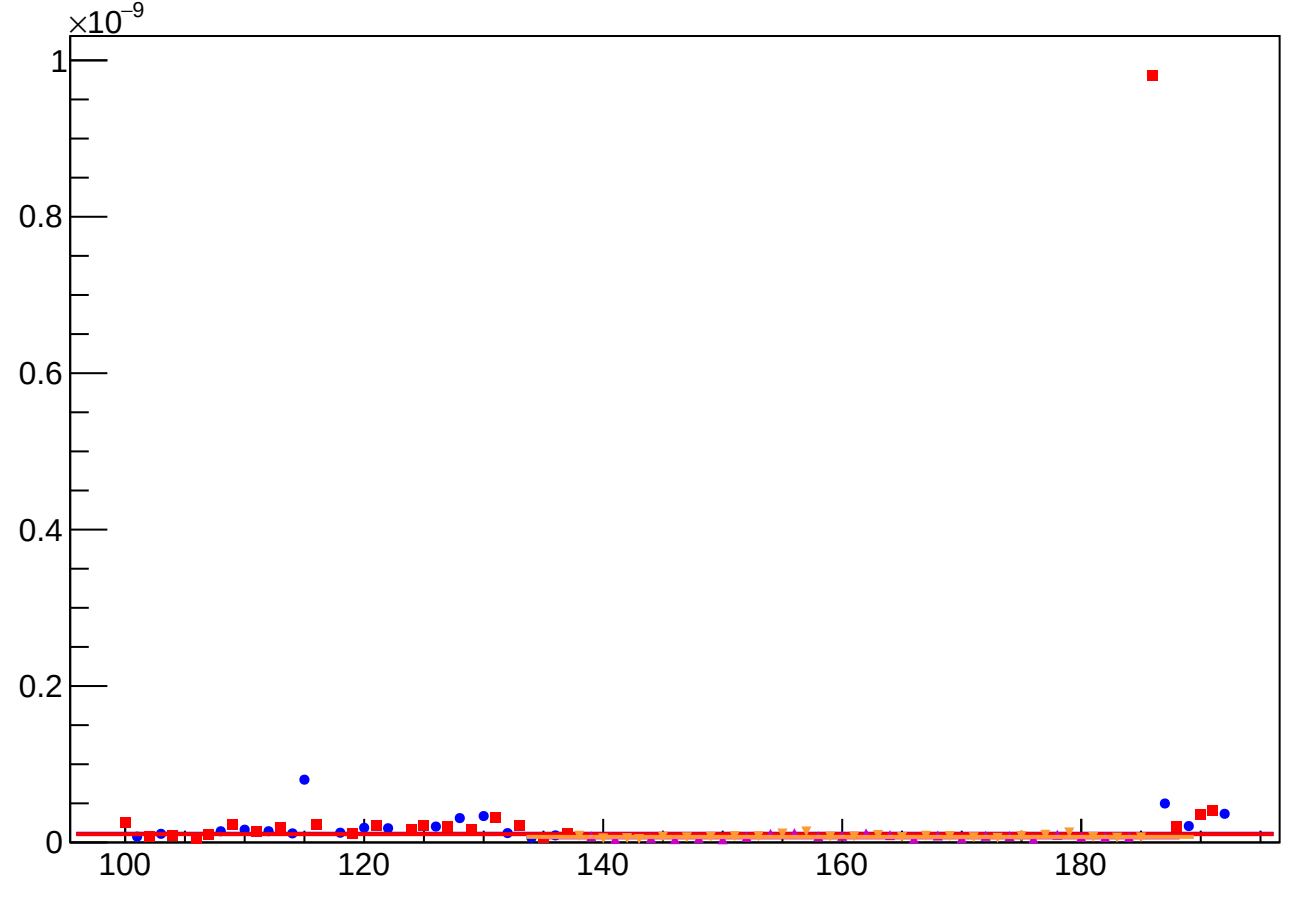
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: 0.000+/-0.000 χ^2/NDF: 36.0/41

In: -0.000+/-0.000 χ^2/NDF:40.8/41

Out: -0.000+/-0.000 χ^2/NDF:40.7/47

All: -0.000+/-0.000 χ^2/NDF: 81.6/89



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: 2218286.2/22

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

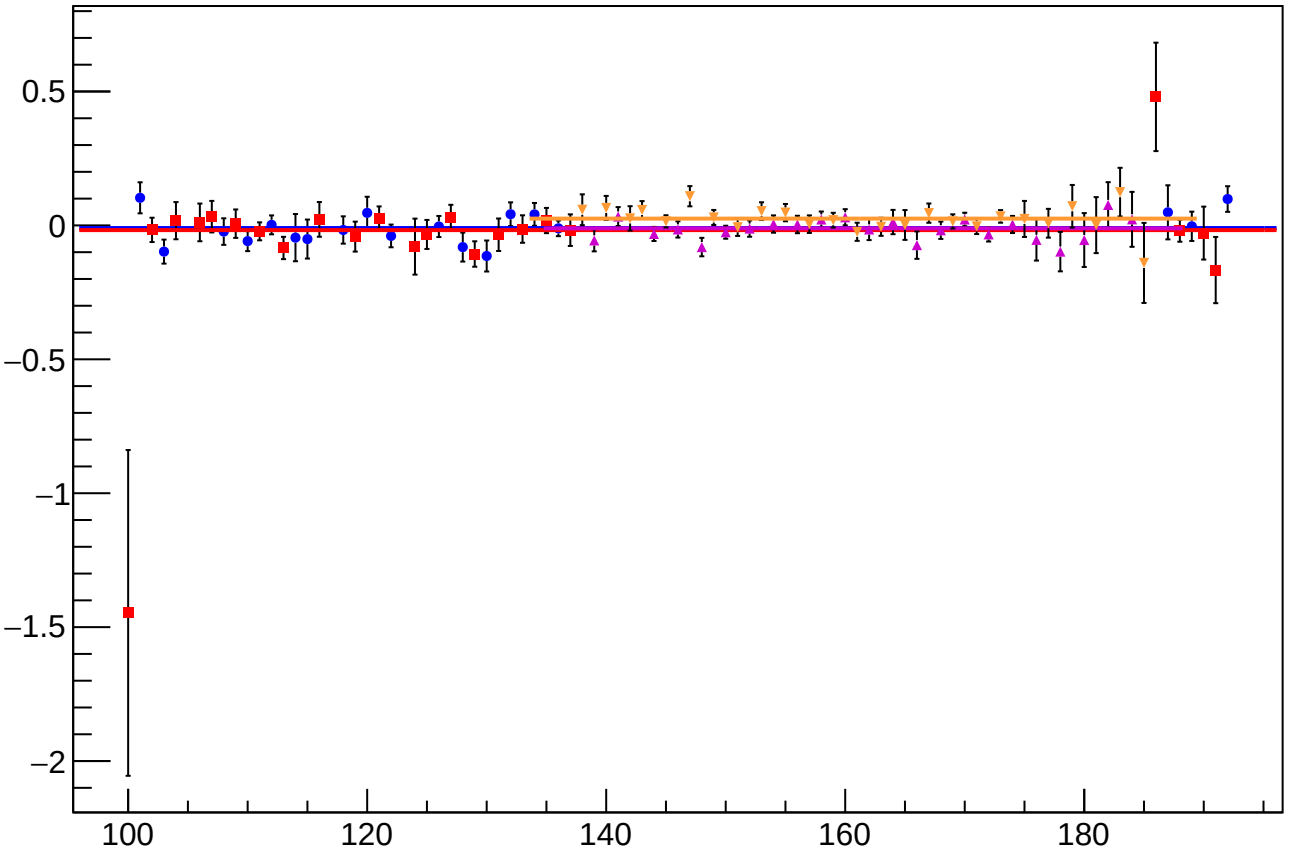
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 4149577.6/41

In: 0.000+/-0.000 χ^2/NDF:4060040.9/41

Out: 0.000+/-0.000 χ^2/NDF:3608139.2/47

All: 0.000+/-0.000 χ^2/NDF: 7710108.1/89



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: -0.018+/-0.011 χ^2/NDF: 24.3/22

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

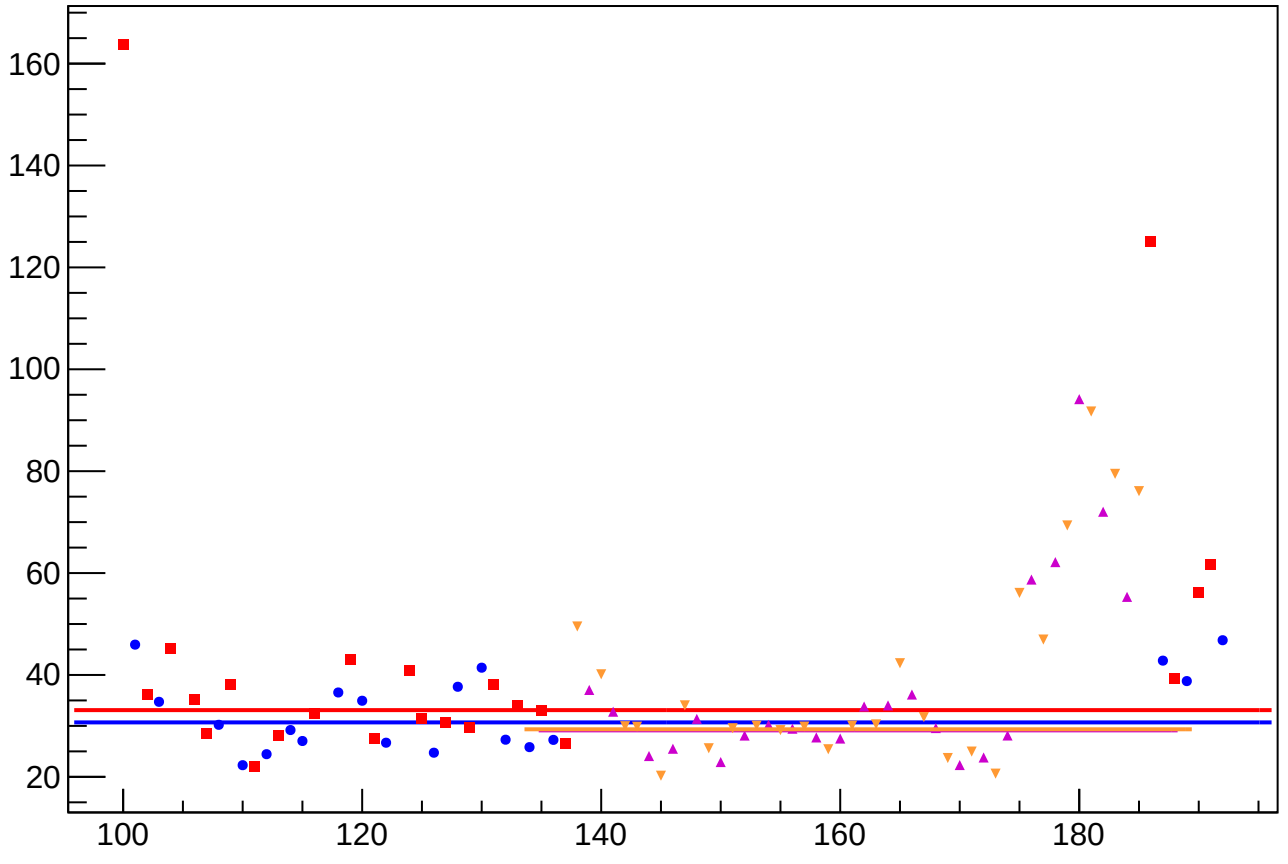
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.014+/-0.008 χ^2/NDF: 49.3/41

In: -0.011+/-0.006 χ^2/NDF:43.7/41

Out: 0.013+/-0.006 χ^2/NDF:51.8/47

All: 0.001+/-0.004 χ^2/NDF: 103.3/89



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: 33.098+/-0.008 χ^2/NDF: 1275500.6/22

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

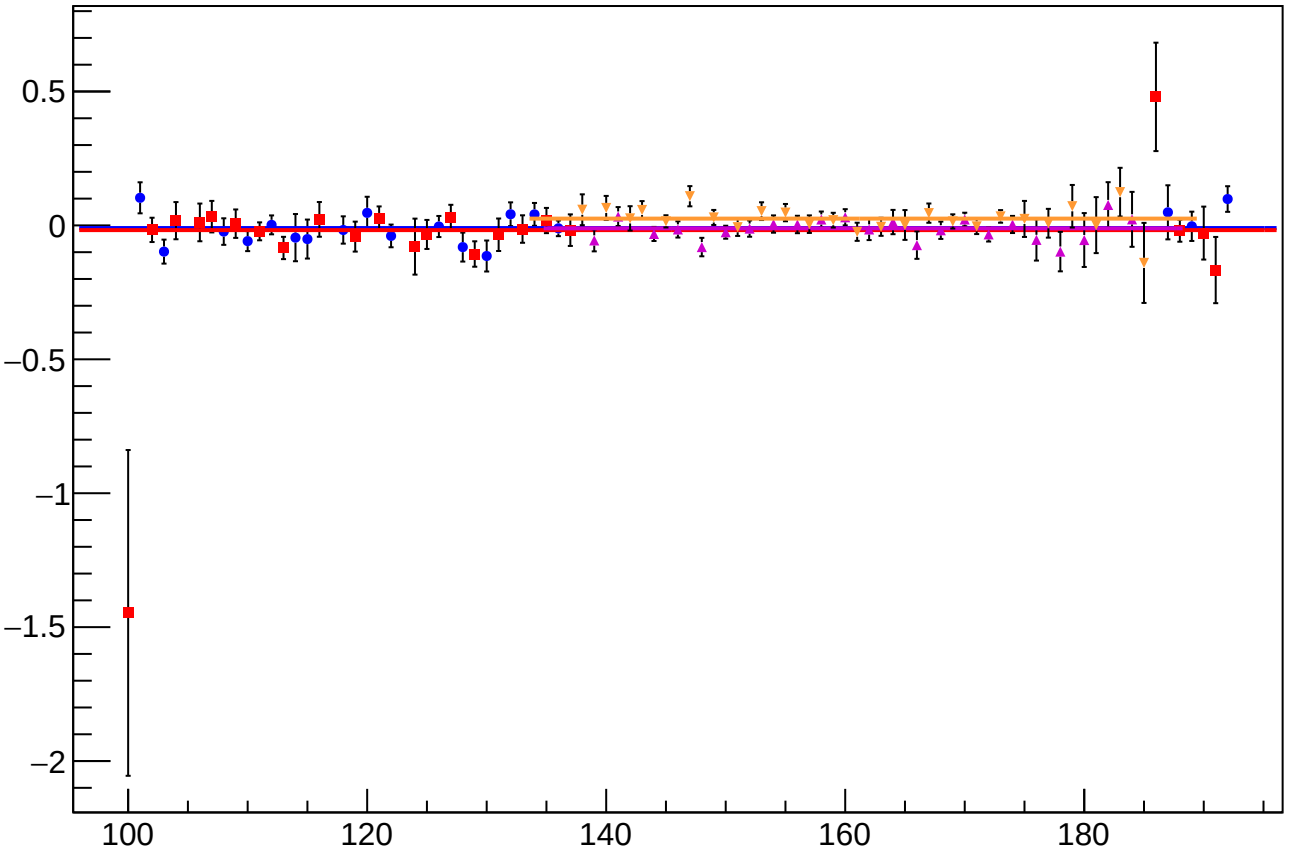
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 31.817+/-0.006 χ^2/NDF: 2214417.0/41

In: 29.617+/-0.004 χ^2/NDF:3759957.8/41

Out: 30.395+/-0.004 χ^2/NDF:5305226.5/47

All: 30.003+/-0.003 χ^2/NDF: 9081675.5/89



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: -0.018+/-0.011 χ^2/NDF: 24.3/22

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

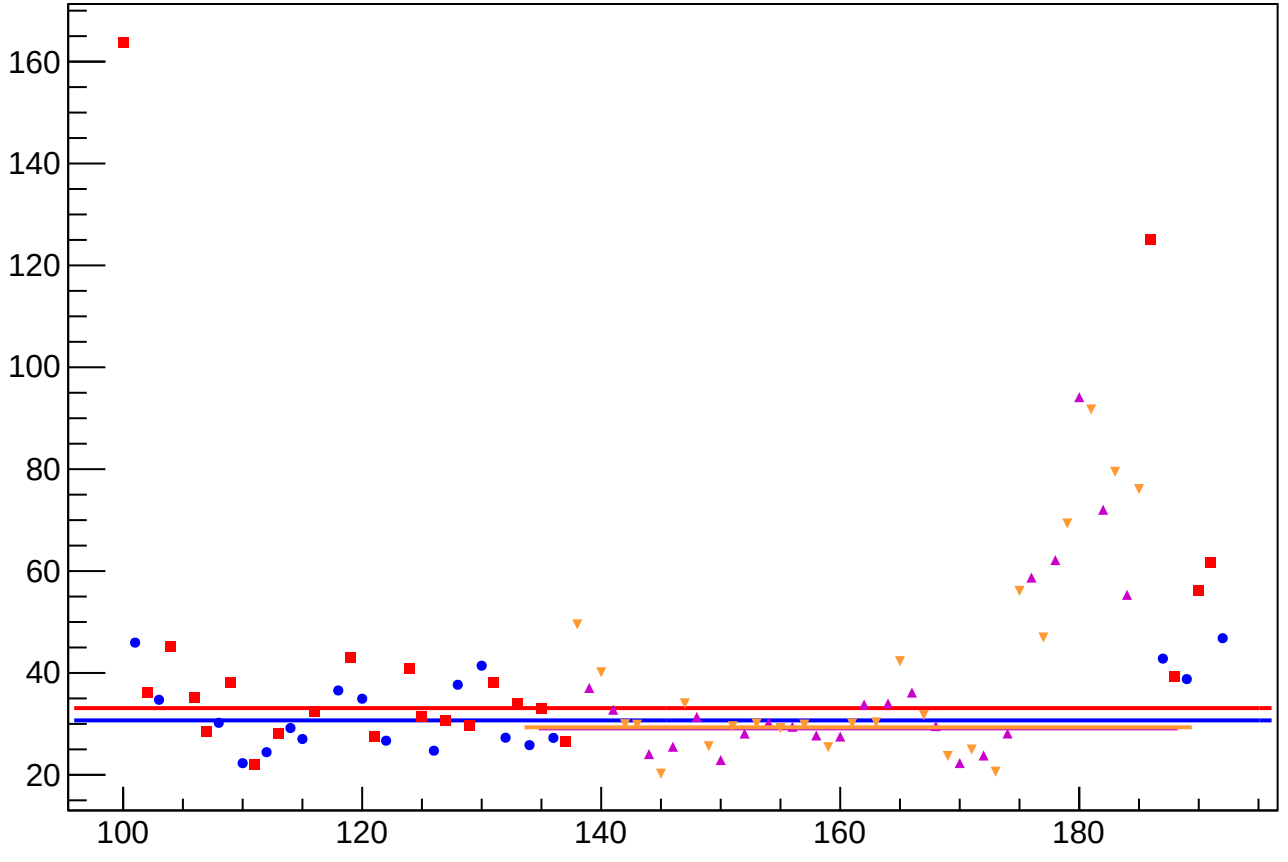
Right: -0.014+/-0.008 χ^2/NDF: 49.3/41

In: -0.011+/-0.006 χ^2/NDF:43.7/41

Out: 0.013+/-0.006 χ^2/NDF:51.8/47

All: 0.001+/-0.004 χ^2/NDF: 103.3/89

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: 33.098+/-0.008 χ^2/NDF: 1275500.6/22

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

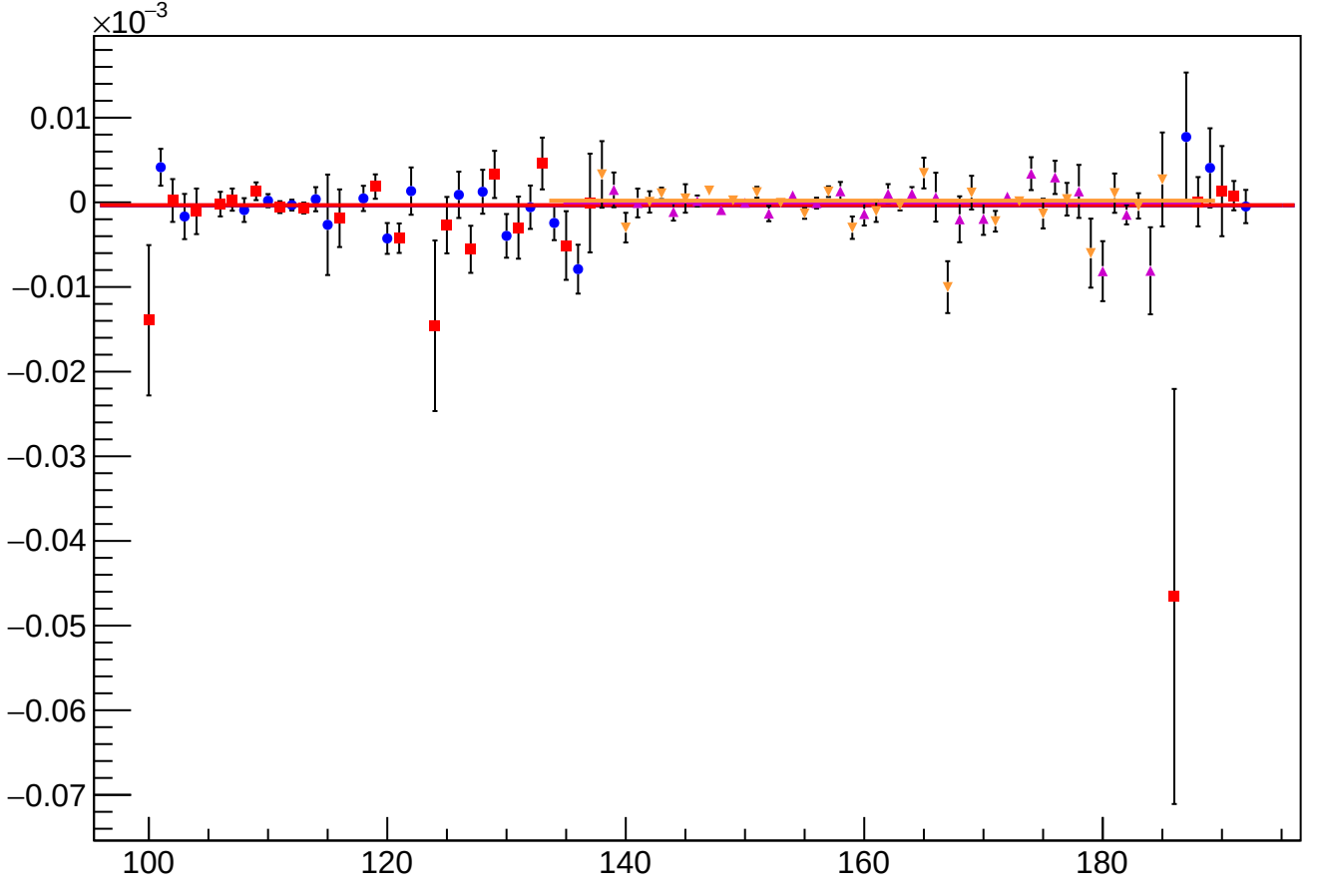
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 31.817+/-0.006 χ^2/NDF: 2214417.0/41

In: 29.617+/-0.004 χ^2/NDF:3759957.8/41

Out: 30.395+/-0.004 χ^2/NDF:5305226.5/47

All: 30.003+/-0.003 χ^2/NDF: 9081675.5/89



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: 29.4/22

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

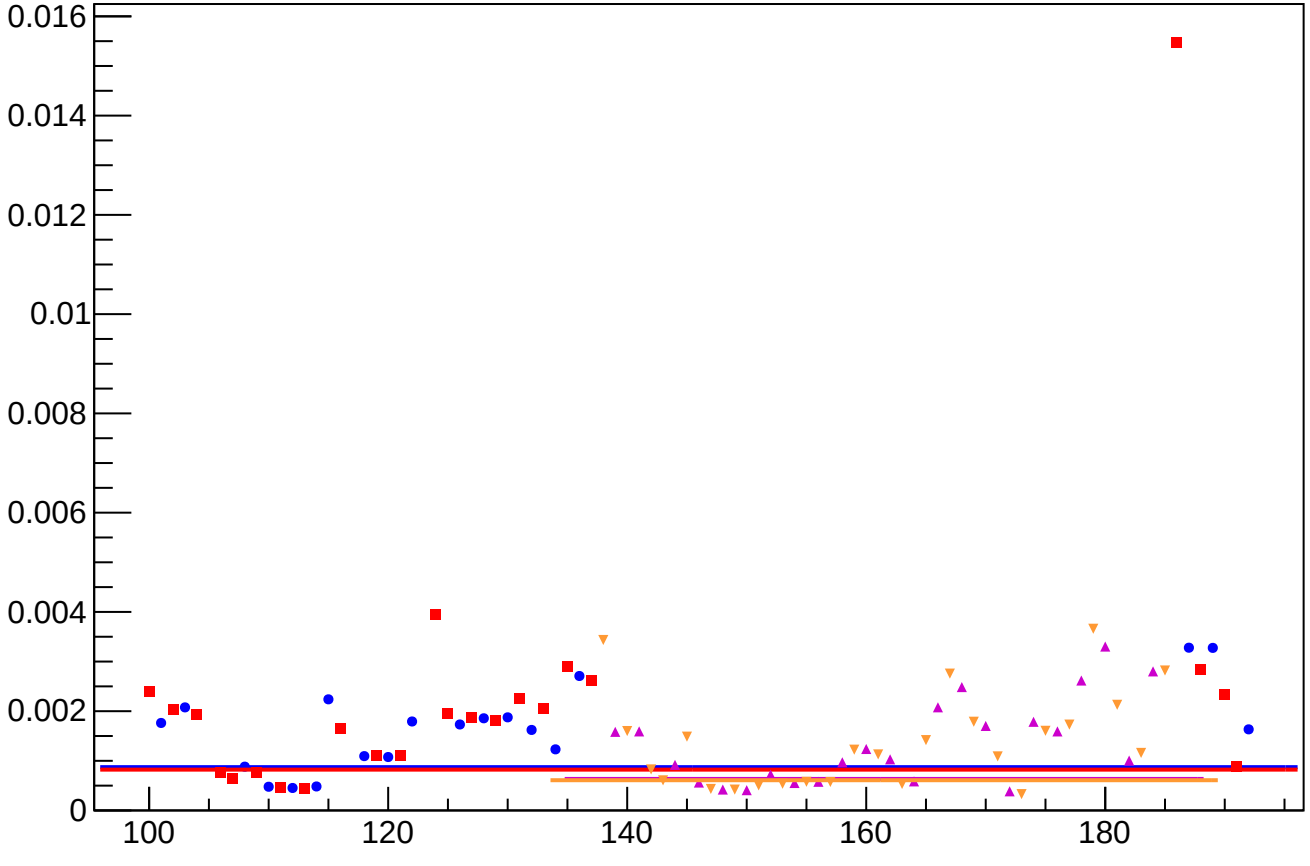
Right: -0.000+/-0.000 χ^2/NDF: 52.7/41

In: -0.000+/-0.000 χ^2/NDF:57.0/41

Out: 0.000+/-0.000 χ^2/NDF:84.0/47

All: 0.000+/-0.000 χ^2/NDF: 141.6/89

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: 6507121.0/22

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

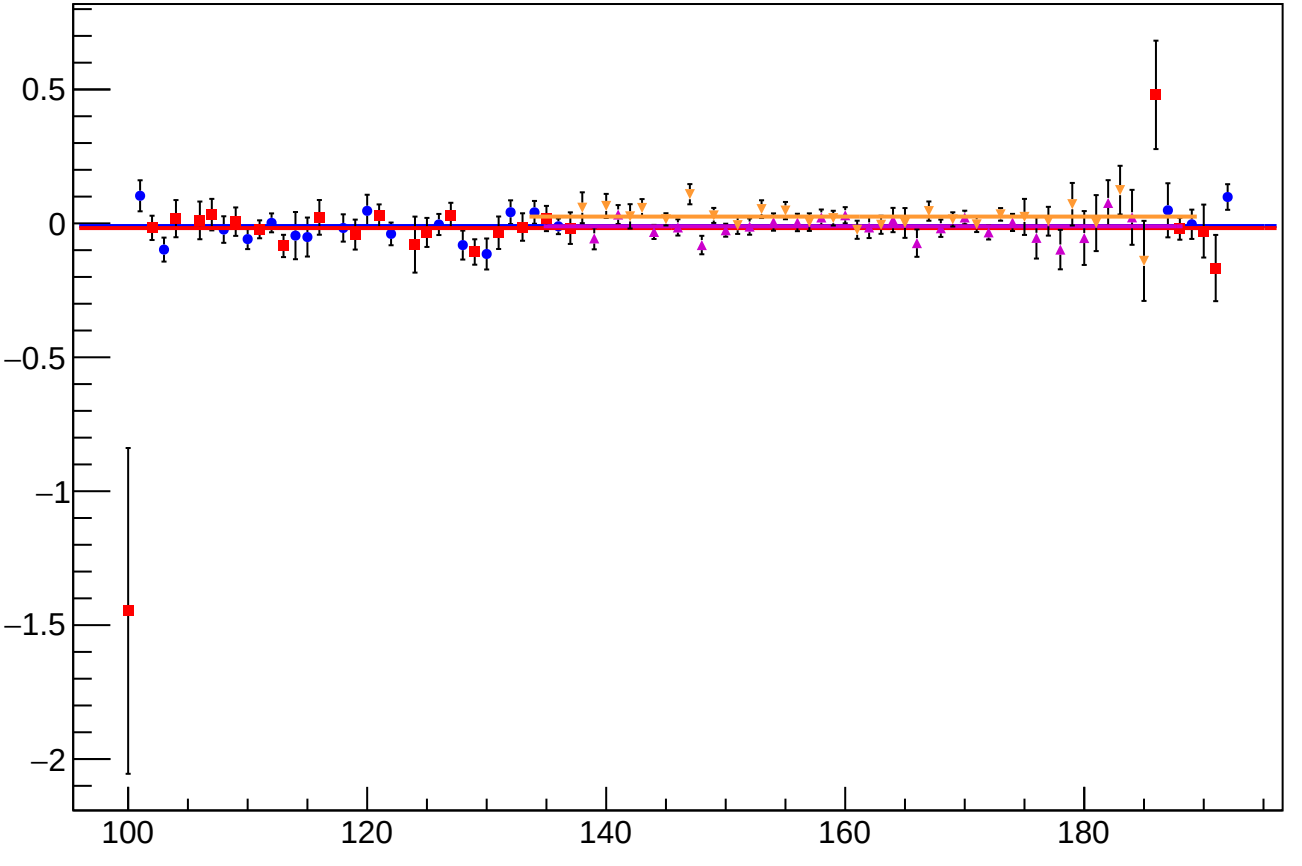
Right: 0.001+/-0.000 χ^2/NDF: 12037289.2/41

In: 0.001+/-0.000 χ^2/NDF:15571947.8/41

Out: 0.001+/-0.000 χ^2/NDF:18107045.0/47

All: 0.001+/-0.000 χ^2/NDF: 33718283.1/89

asym_sam_37_48_dd_eigen_dit_vs_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: -0.018+/-0.011 χ^2/NDF: 24.3/22

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

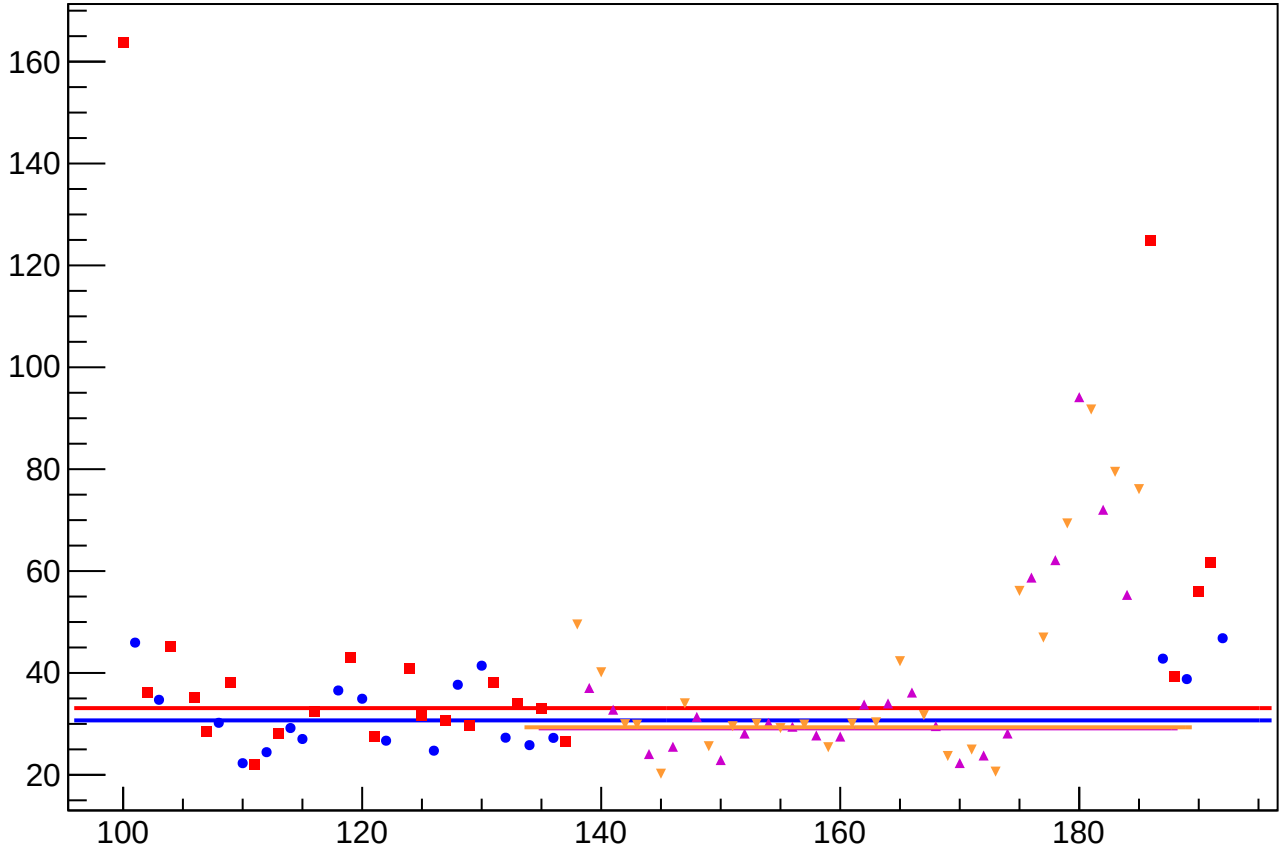
Right: -0.014+/-0.008 χ^2/NDF: 49.3/41

In: -0.011+/-0.006 χ^2/NDF:43.7/41

Out: 0.013+/-0.006 χ^2/NDF:51.8/47

All: 0.001+/-0.004 χ^2/NDF: 103.3/89

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: 33.098+/-0.008 χ^2/NDF: 1275438.2/22

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

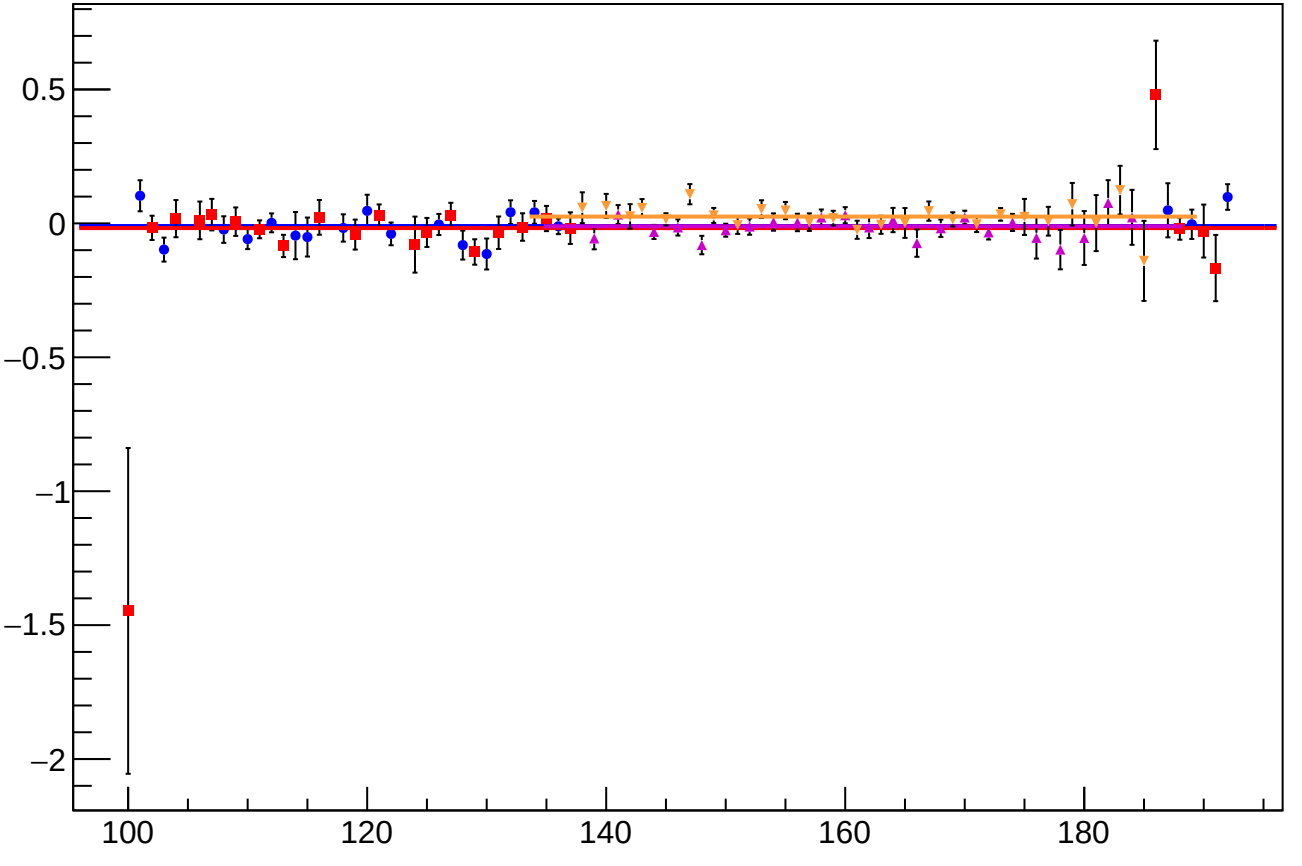
Right: 31.817+/-0.006 χ^2/NDF: 2214302.8/41

In: 29.617+/-0.004 χ^2/NDF:3759871.9/41

Out: 30.395+/-0.004 χ^2/NDF:5305263.3/47

All: 30.003+/-0.003 χ^2/NDF: 9081626.4/89

asym_sam_37_48_dd_eigen_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: -0.018+/-0.011 χ^2/NDF: 24.3/22

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

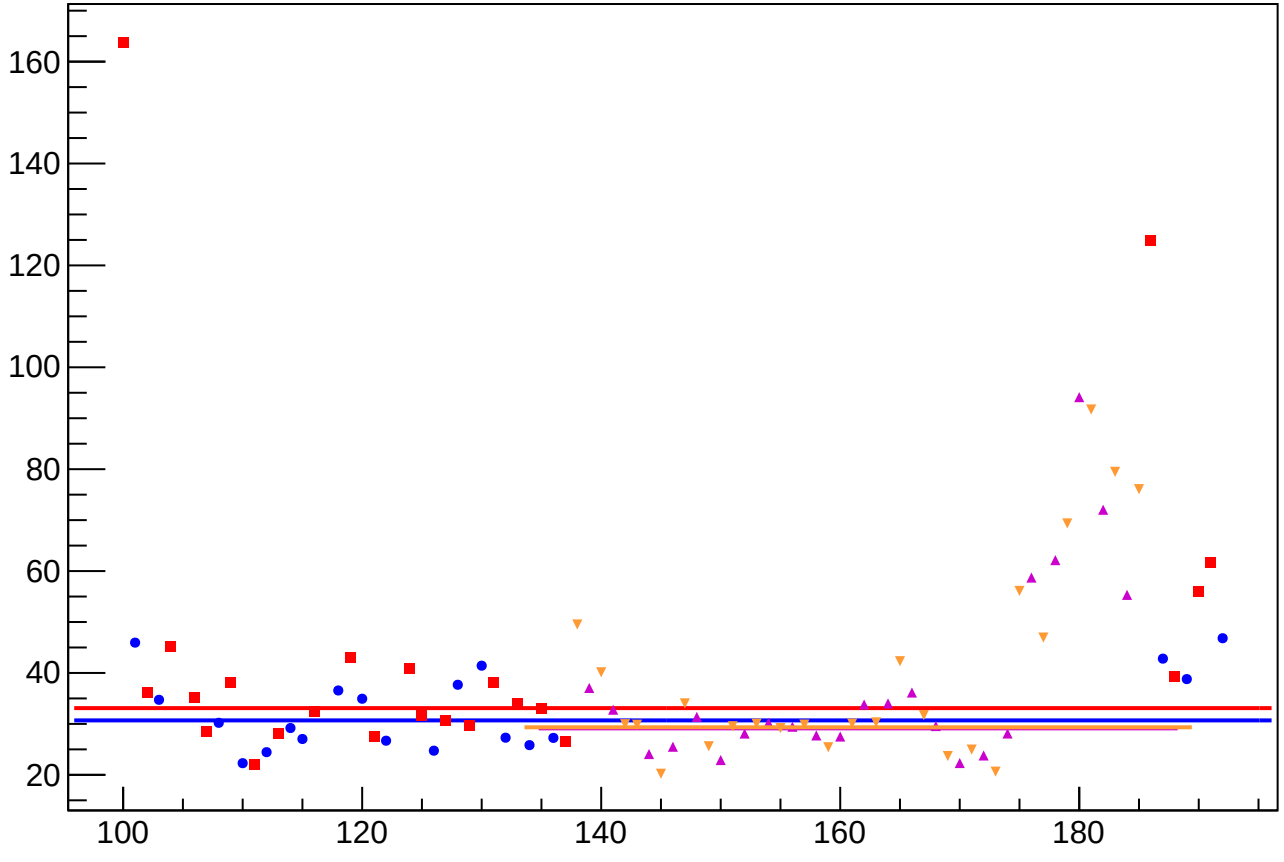
Right: -0.014+/-0.008 χ^2/NDF: 49.3/41

In: -0.011+/-0.006 χ^2/NDF:43.7/41

Out: 0.013+/-0.006 χ^2/NDF:51.8/47

All: 0.001+/-0.004 χ^2/NDF: 103.3/89

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: 33.098+/-0.008 χ^2/NDF: 1275438.2/22

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

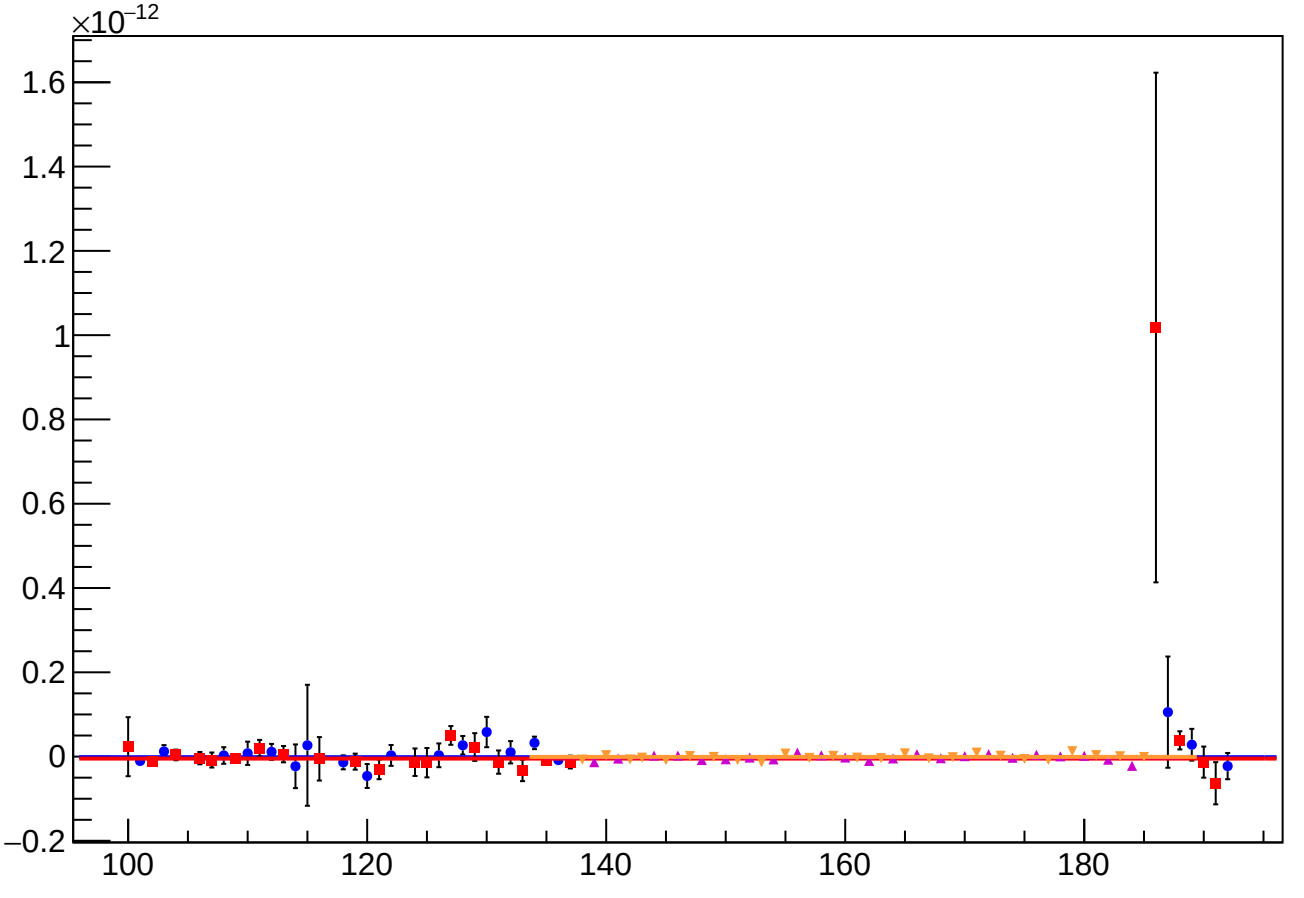
Right: 31.817+/-0.006 χ^2/NDF: 2214302.8/41

In: 29.617+/-0.004 χ^2/NDF:3759871.9/41

Out: 30.395+/-0.004 χ^2/NDF:5305263.3/47

All: 30.003+/-0.003 χ^2/NDF: 9081626.4/89

asym_sam_37_48_dd_eigen_cor_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:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/22

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

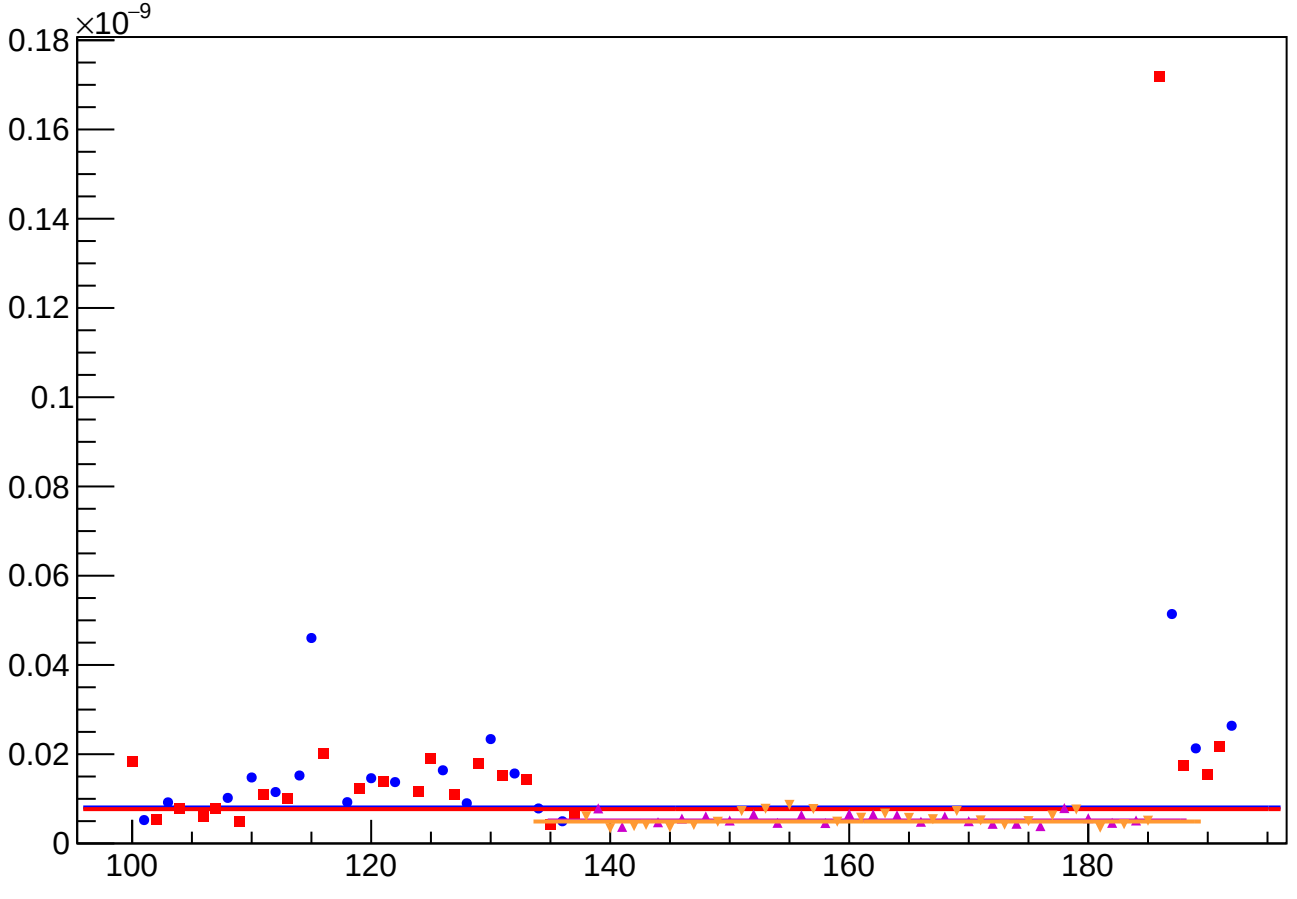
Right: -0.000+/-0.000 χ^2/NDF: 40.8/41

In: -0.000+/-0.000 χ^2/NDF:35.2/41

Out: -0.000+/-0.000 χ^2/NDF:37.8/47

All: -0.000+/-0.000 χ^2/NDF: 73.0/89

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 2820796.2/22

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

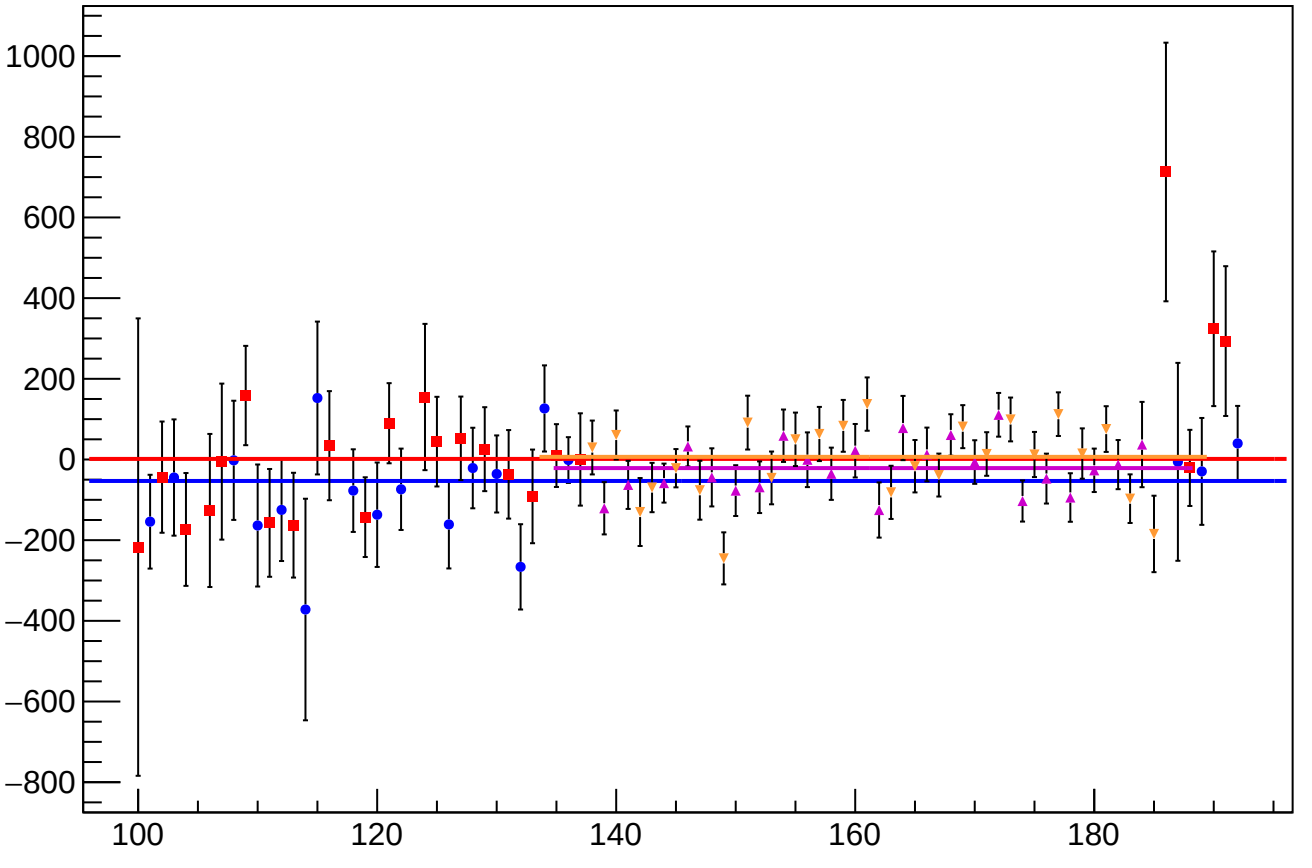
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

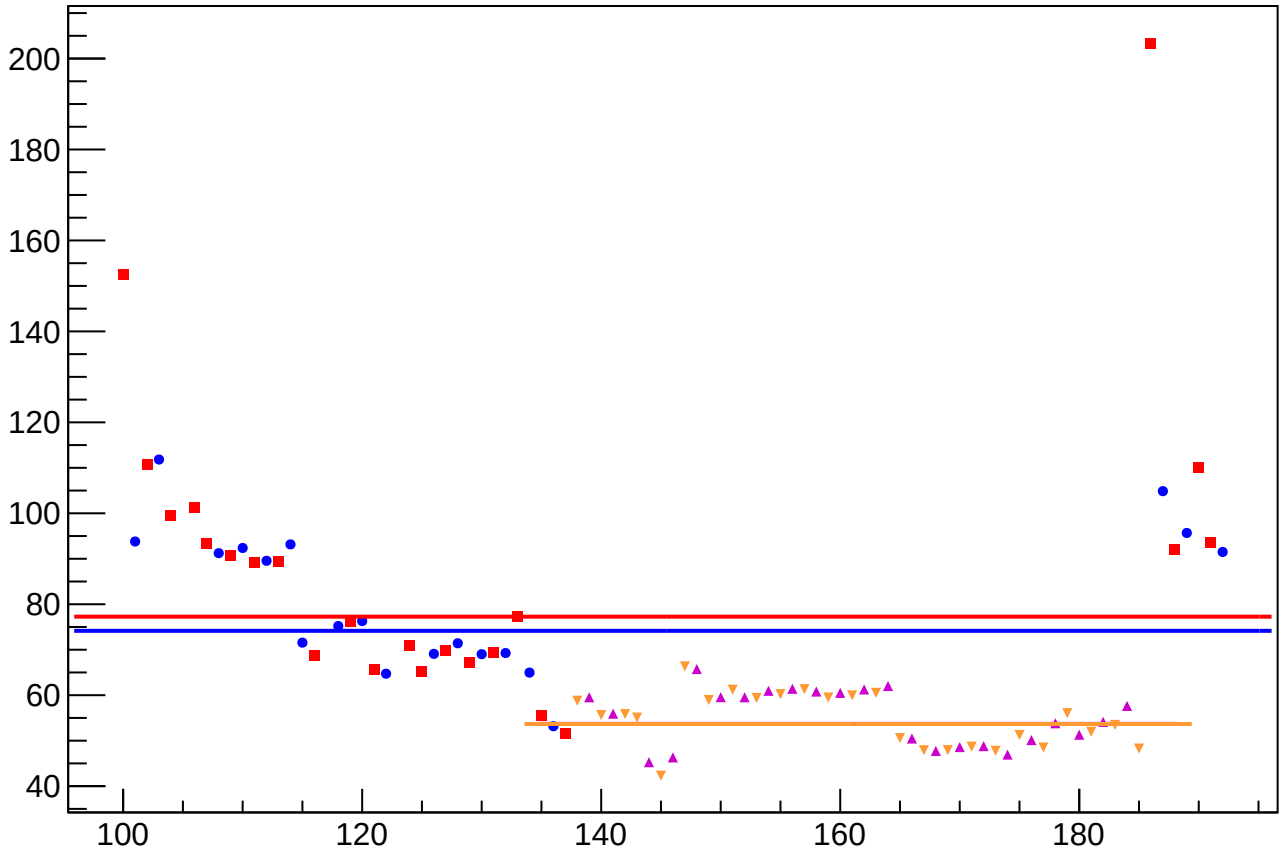
Right: 0.000+/-0.000 χ^2/NDF: 6033525.5/41

In: 0.000+/-0.000 χ^2/NDF:5217232.7/41

Out: 0.000+/-0.000 χ^2/NDF:5738676.2/47

All: 0.000+/-0.000 χ^2/NDF: 10989362.8/89


reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
Right In: -53.242+/-25.486 χ²/NDF: 14.7/18
Left Out: 6.523+/-12.287 χ²/NDF:50.6/24
Right Out: 1.422+/-26.038 χ²/NDF: 22.1/22
Left In: -21.336+/-12.649 χ²/NDF:25.4/22
Left: -7.002+/-8.814 χ²/NDF: 78.5/47
Right: -26.496+/-18.213 χ²/NDF: 39.0/41
In: -27.642+/-11.330 χ²/NDF:41.3/41
Out: 5.594+/-11.112 χ²/NDF:72.7/47
All: -10.701+/-7.934 χ²/NDF: 118.4/89



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: 77.272+/-0.018 χ^2/NDF: 1098115.4/22

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

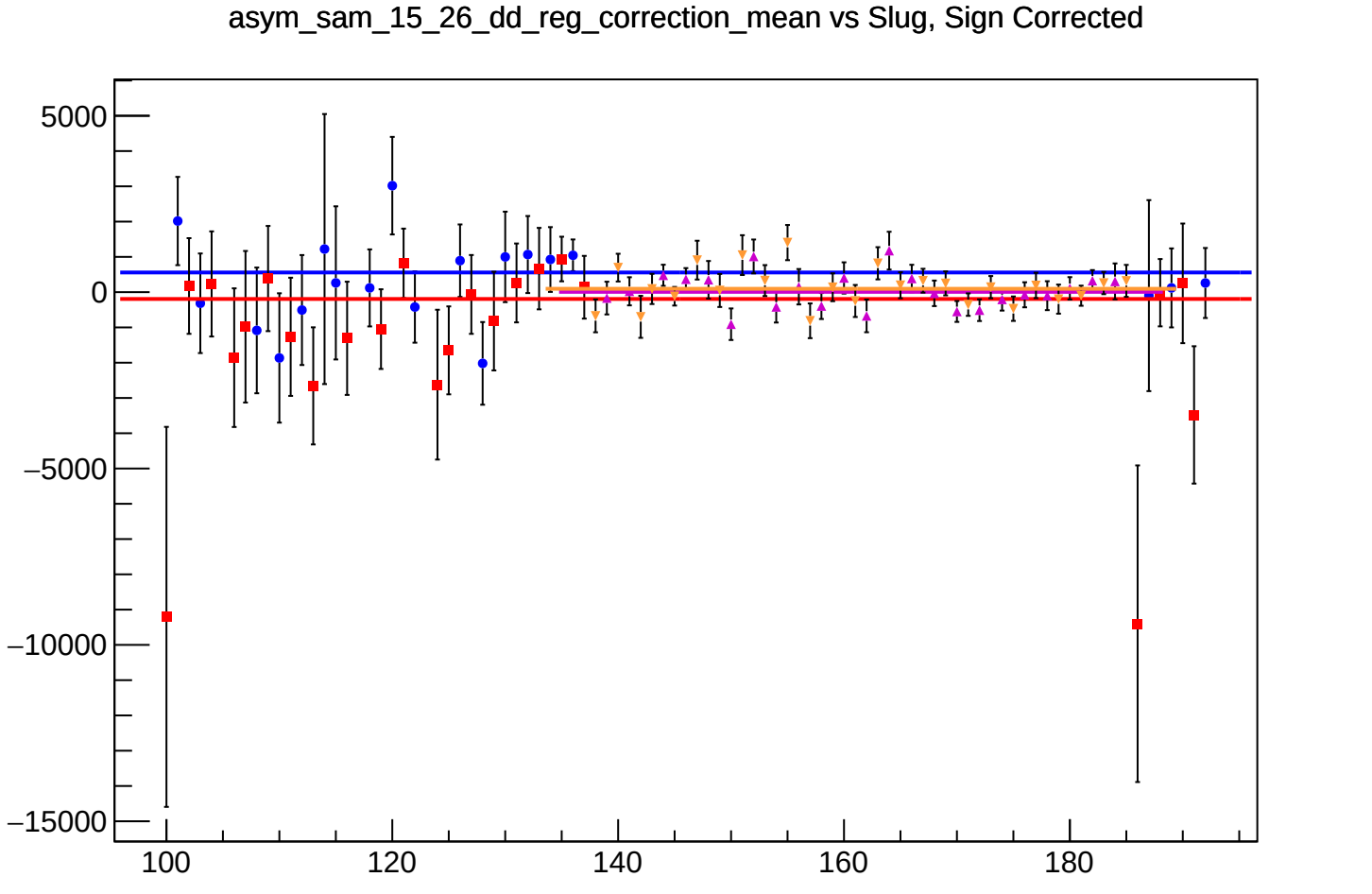
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 75.680+/-0.013 χ^2/NDF: 1878122.4/41

In: 57.739+/-0.008 χ^2/NDF:2270914.8/41

Out: 57.965+/-0.008 χ^2/NDF:2914805.0/47

All: 57.854+/-0.006 χ^2/NDF: 5186126.8/89



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: -193.421+/-266.030 χ^2/NDF: 22.8/22

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

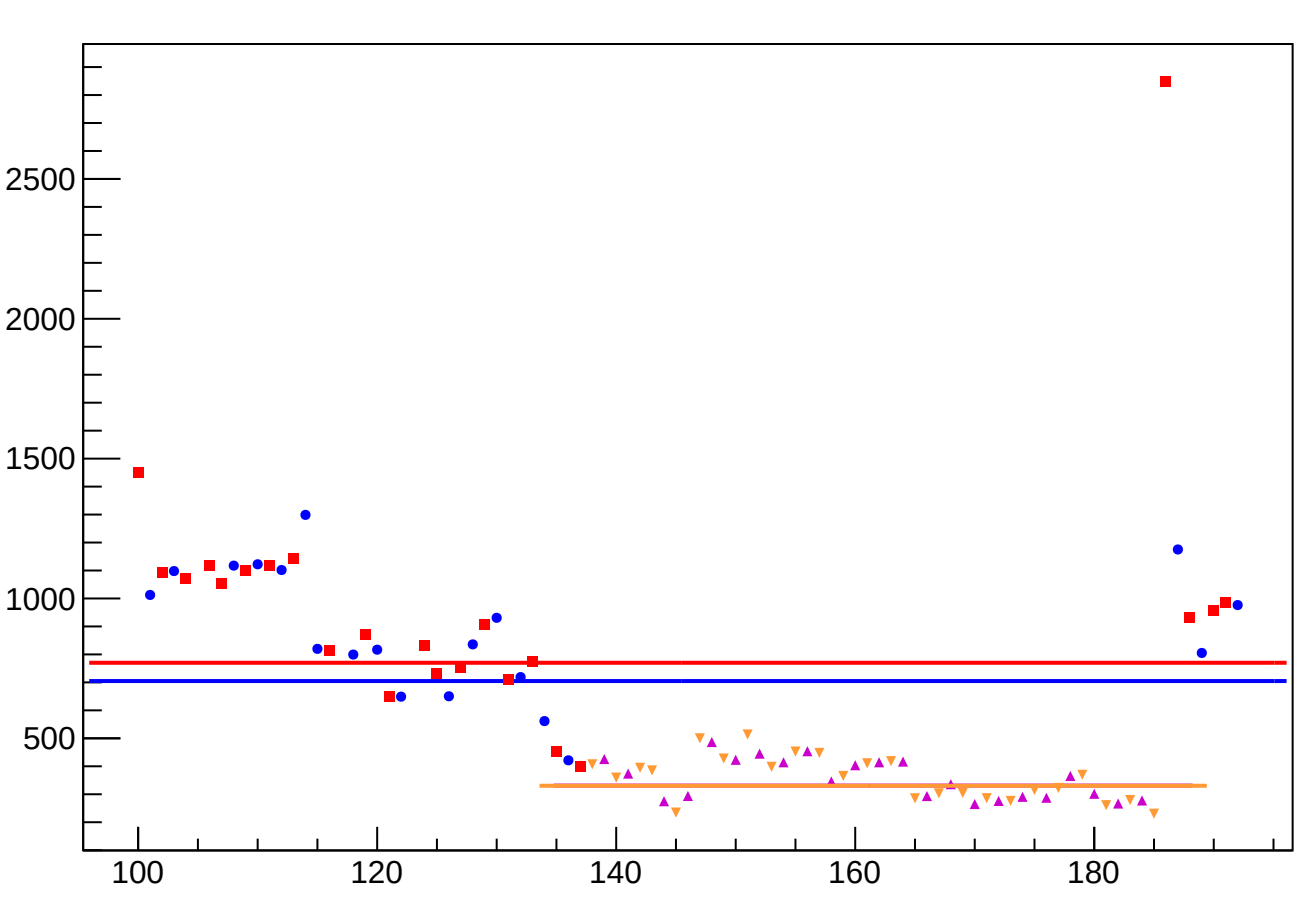
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 205.469+/-182.188 χ^2/NDF: 43.1/41

In: 57.943+/-75.438 χ^2/NDF:52.7/41

Out: 73.054+/-74.083 χ^2/NDF:57.1/47

All: 65.635+/-52.857 χ^2/NDF: 109.8/89



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: 770.153+/-0.188 χ^2/NDF: 2077203.6/22

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

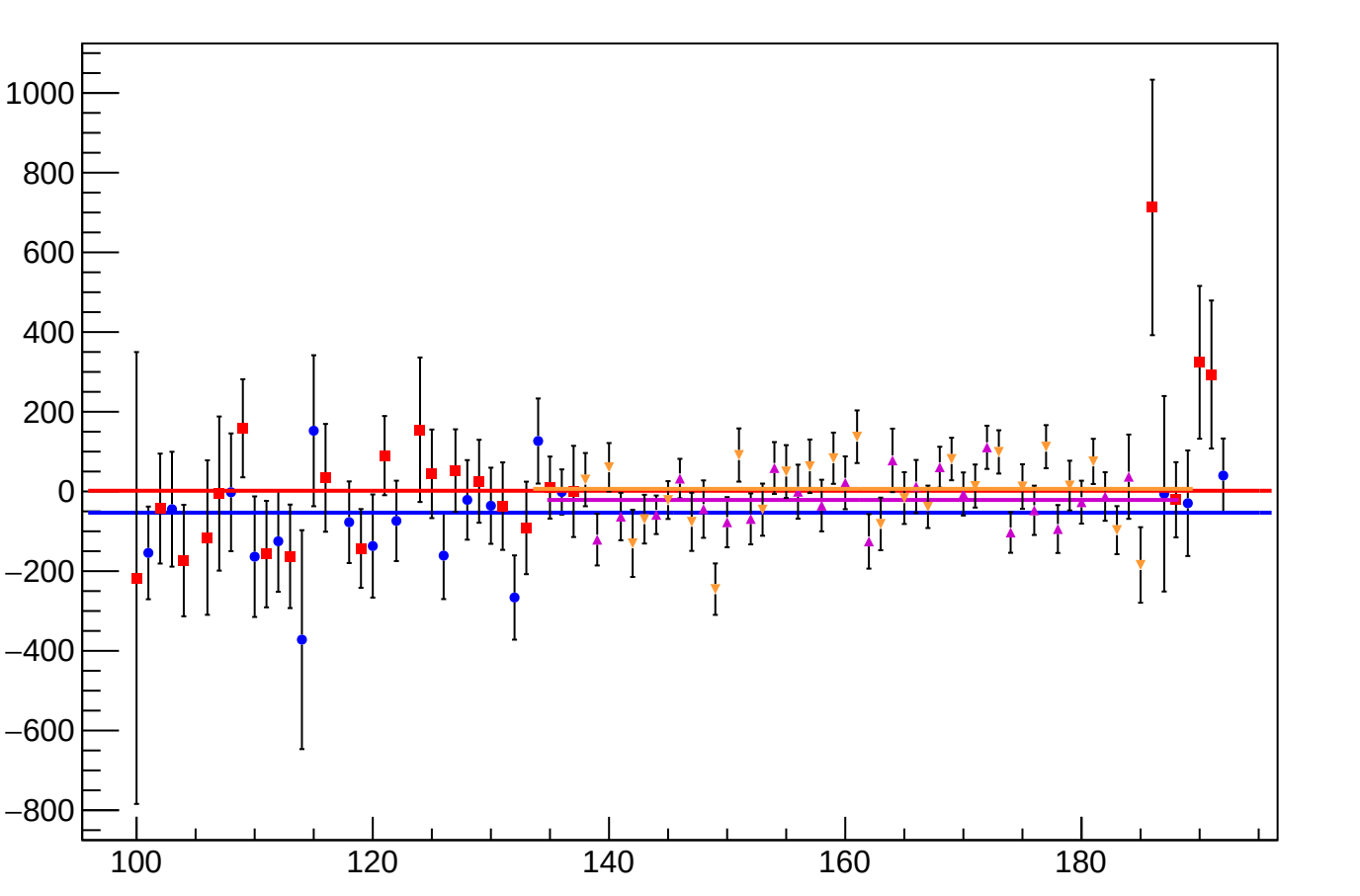
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

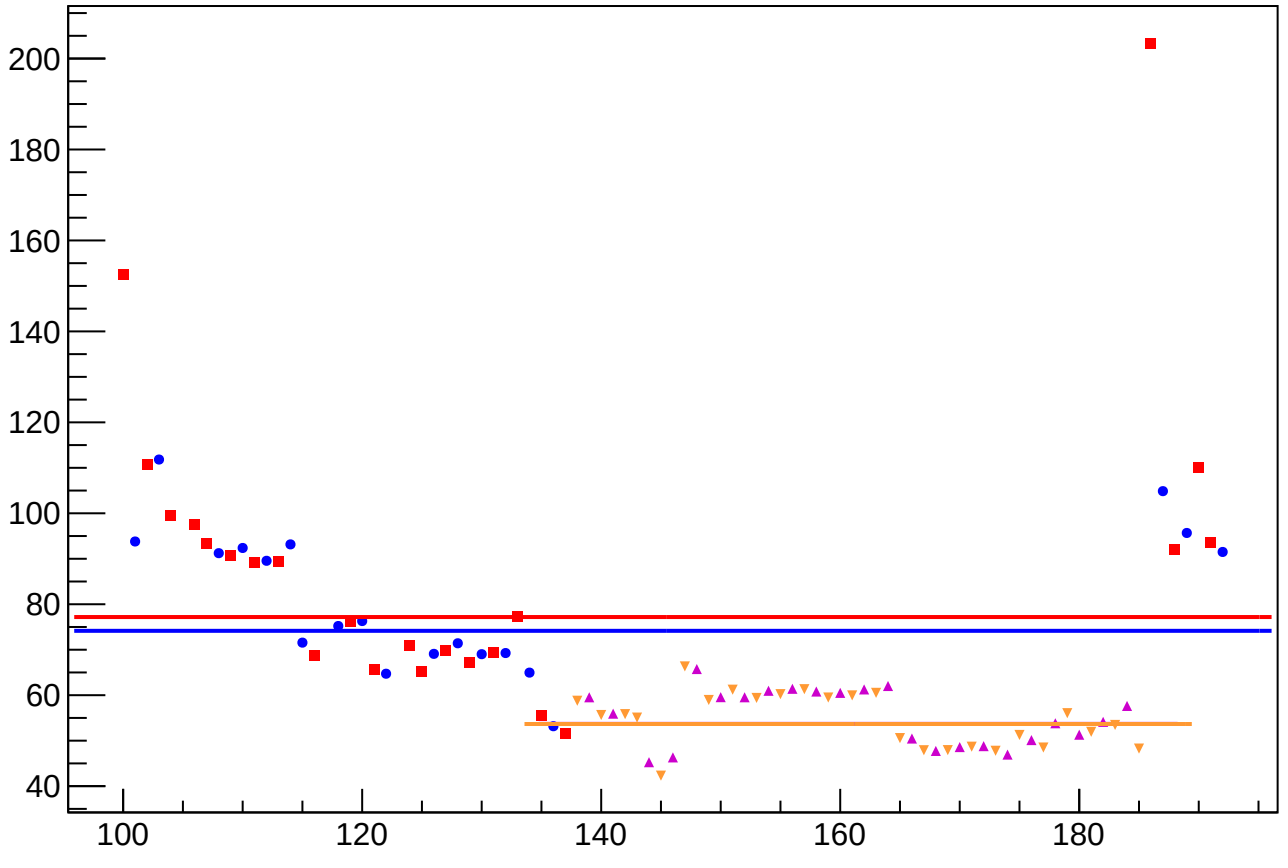
Right: 735.421+/-0.129 χ^2/NDF: 4010554.5/41

In: 365.079+/-0.053 χ^2/NDF:7255808.8/41

Out: 364.507+/-0.052 χ^2/NDF:8870700.0/47

All: 364.788+/-0.037 χ^2/NDF: 16126567.2/89


cor_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
Right In: -53.233+/-25.486 χ²/NDF: 14.7/18
Left Out: 6.526+/-12.287 χ²/NDF:50.6/24
Right Out: 1.749+/-26.049 χ²/NDF: 22.0/22
Left In: -21.335+/-12.649 χ²/NDF:25.4/22
Left: -7.000+/-8.814 χ²/NDF: 78.5/47
Right: -26.343+/-18.217 χ²/NDF: 39.0/41
In: -27.639+/-11.330 χ²/NDF:41.3/41
Out: 5.656+/-11.113 χ²/NDF:72.6/47
All: -10.669+/-7.934 χ²/NDF: 118.4/89



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: 77.187+/-0.018 χ^2/NDF: 1088356.8/22

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

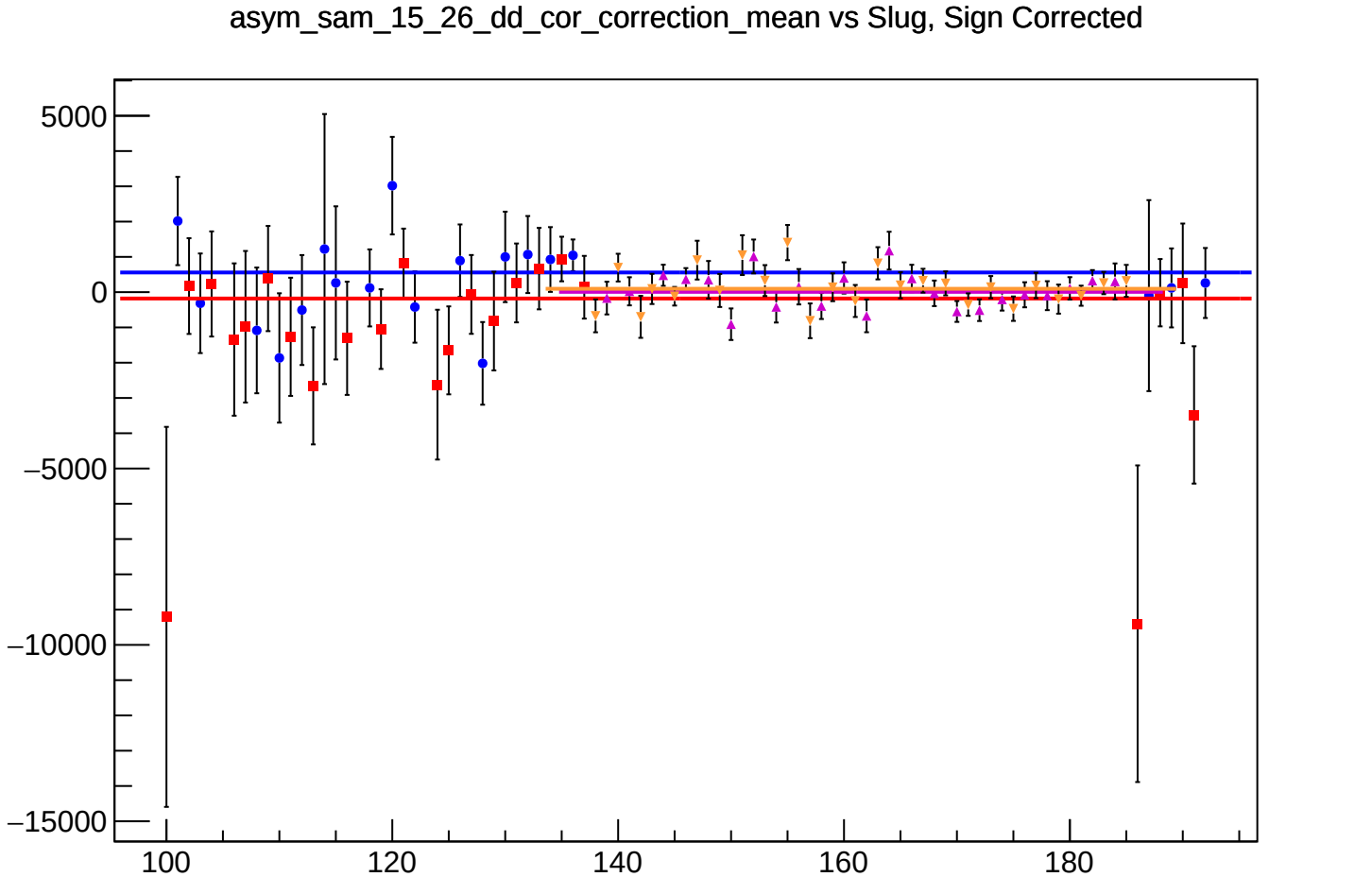
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 75.638+/-0.013 χ^2/NDF: 1867573.2/41

In: 57.739+/-0.008 χ^2/NDF:2270917.4/41

Out: 57.946+/-0.008 χ^2/NDF:2894474.0/47

All: 57.845+/-0.006 χ^2/NDF: 5165734.9/89



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: -180.480+/-266.456 χ^2/NDF: 22.4/22

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

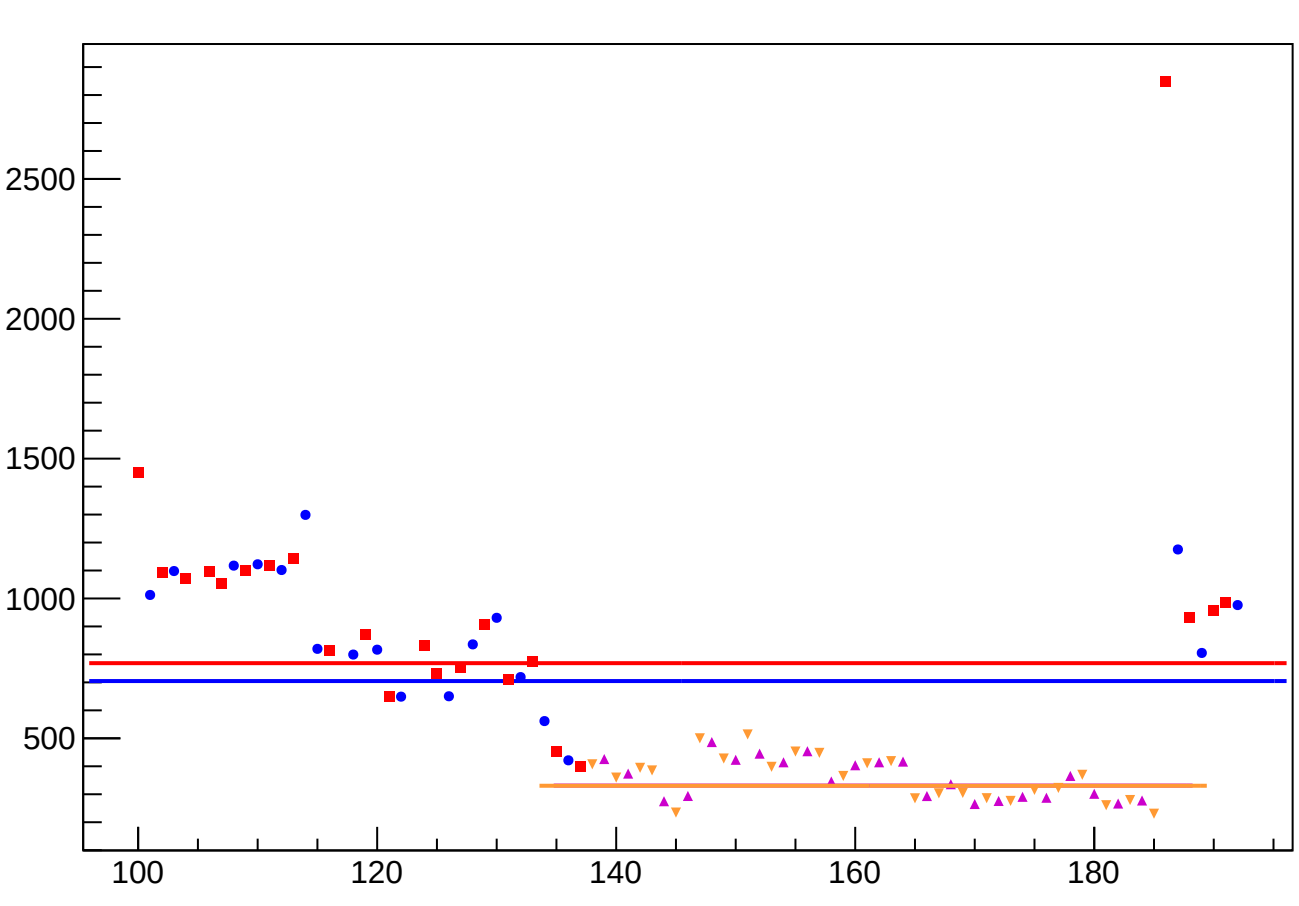
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 212.120+/-182.324 χ^2/NDF: 42.5/41

In: 57.938+/-75.438 χ^2/NDF:52.7/41

Out: 74.123+/-74.092 χ^2/NDF:56.5/47

All: 66.176+/-52.860 χ^2/NDF: 109.3/89



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: 768.722+/-0.188 χ^2/NDF: 2060165.4/22

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

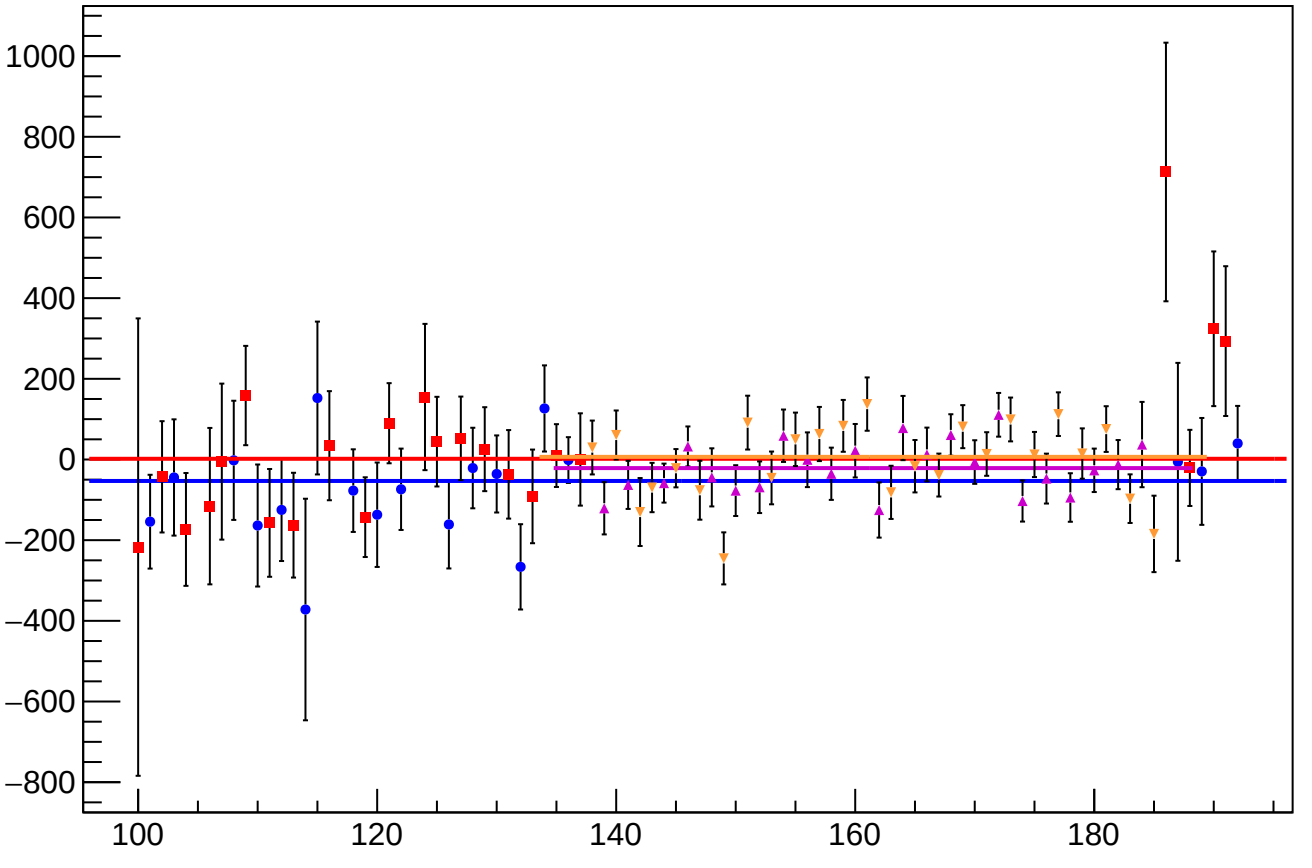
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 734.699+/-0.129 χ^2/NDF: 3990656.5/41

In: 365.079+/-0.053 χ^2/NDF:7255840.7/41

Out: 364.296+/-0.052 χ^2/NDF:8806151.9/47

All: 364.680+/-0.037 χ^2/NDF: 16062102.1/89



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: 1.749+/-26.049 χ^2/NDF: 22.0/22

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

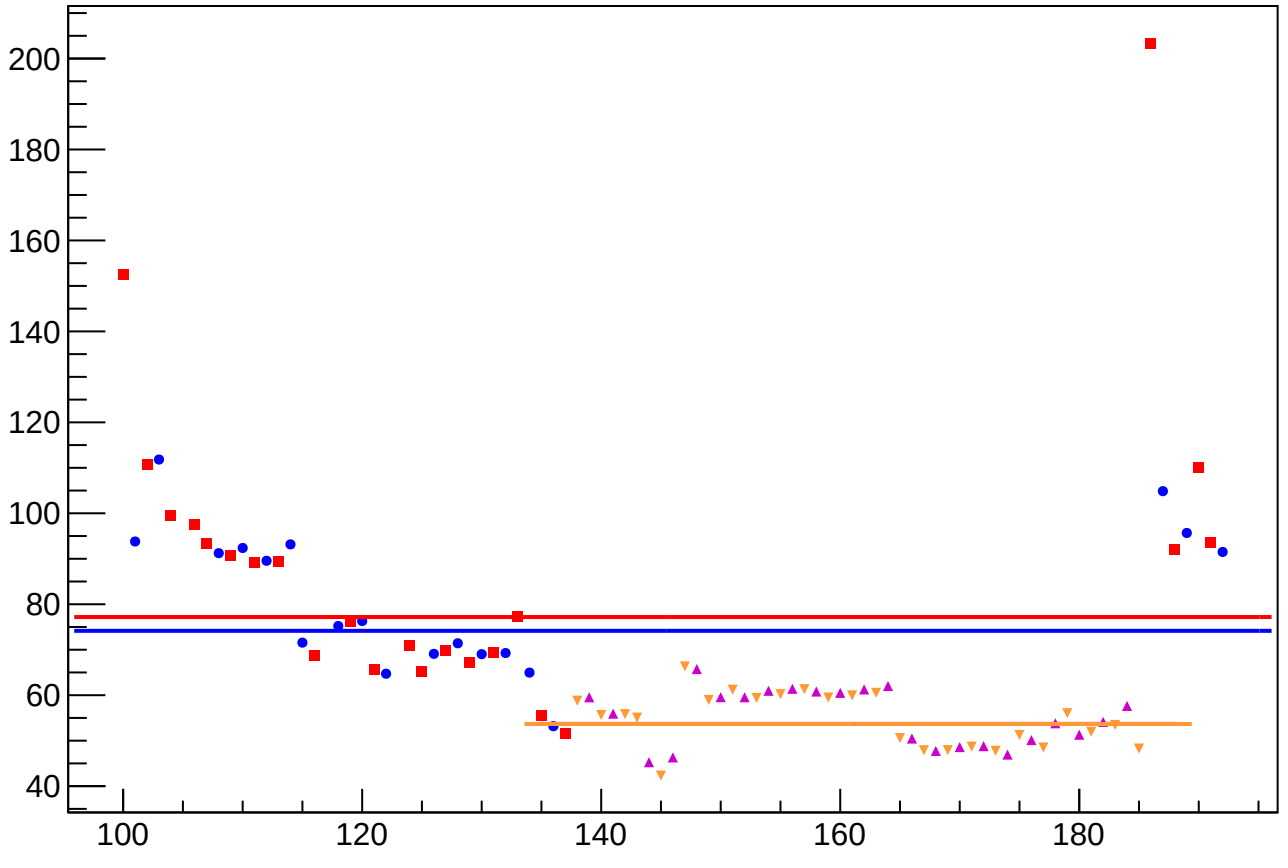
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -26.343+/-18.217 χ^2/NDF: 39.0/41

In: -27.639+/-11.330 χ^2/NDF:41.3/41

Out: 5.656+/-11.113 χ^2/NDF:72.6/47

All: -10.669+/-7.934 χ^2/NDF: 118.4/89



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: 77.187+/-0.018 χ^2/NDF: 1088356.8/22

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

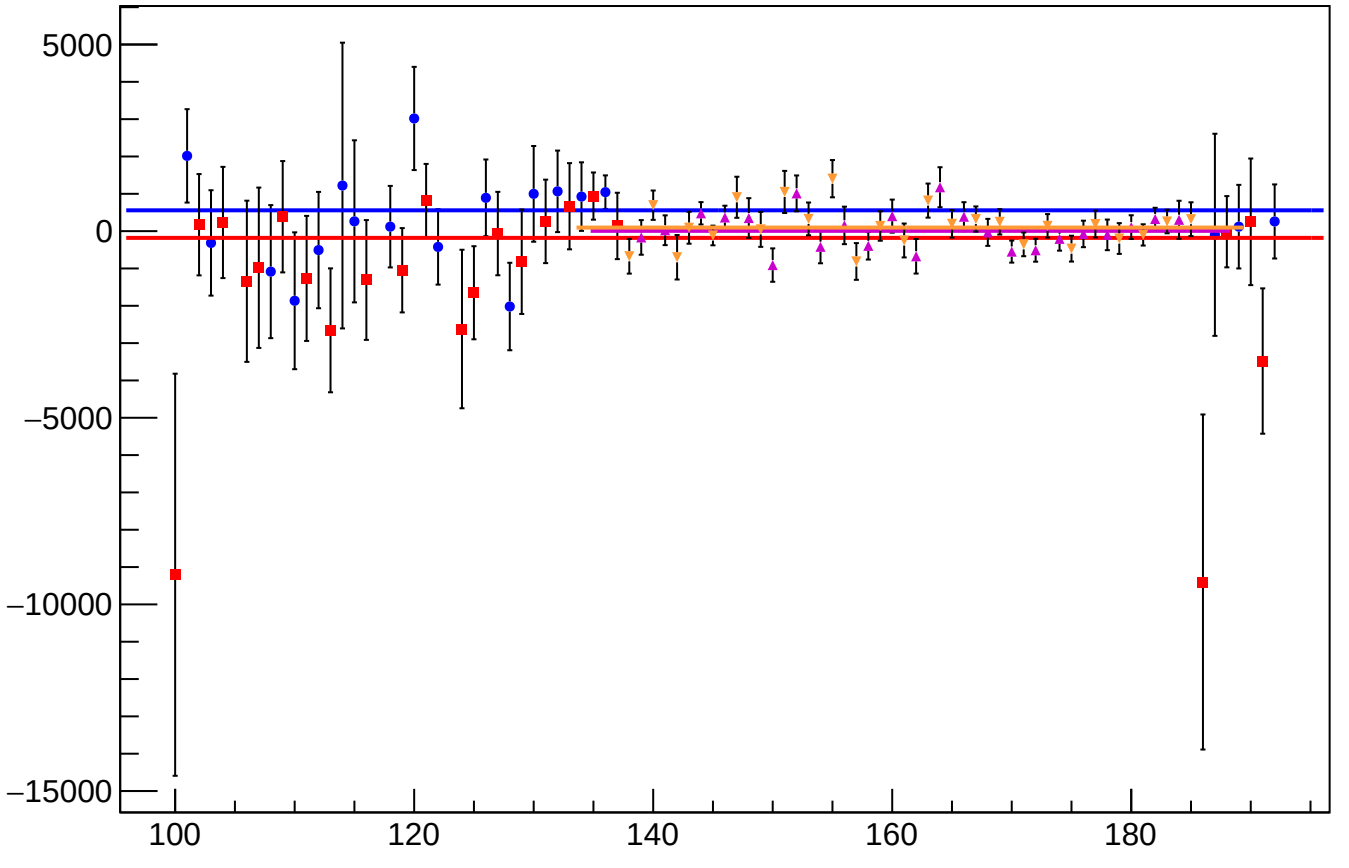
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 75.638+/-0.013 χ^2/NDF: 1867573.2/41

In: 57.739+/-0.008 χ^2/NDF:2270917.4/41

Out: 57.946+/-0.008 χ^2/NDF:2894474.0/47

All: 57.845+/-0.006 χ^2/NDF: 5165734.9/89



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: -180.480+/-266.456 χ^2/NDF: 22.4/22

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

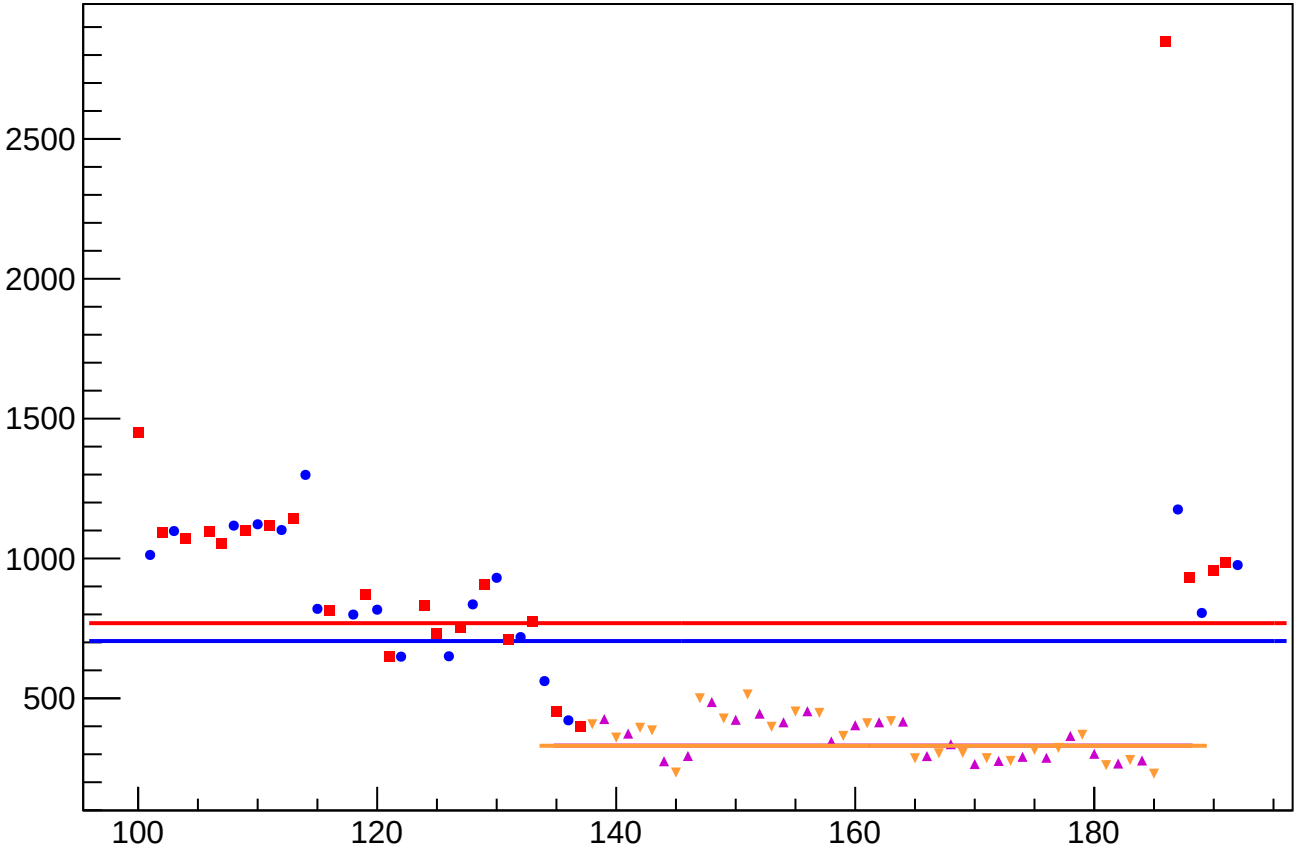
Right: 212.120+/-182.324 χ^2/NDF: 42.5/41

In: 57.938+/-75.438 χ^2/NDF:52.7/41

Out: 74.123+/-74.092 χ^2/NDF:56.5/47

All: 66.176+/-52.860 χ^2/NDF: 109.3/89

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: 768.722+/-0.188 χ^2/NDF: 2060165.4/22

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

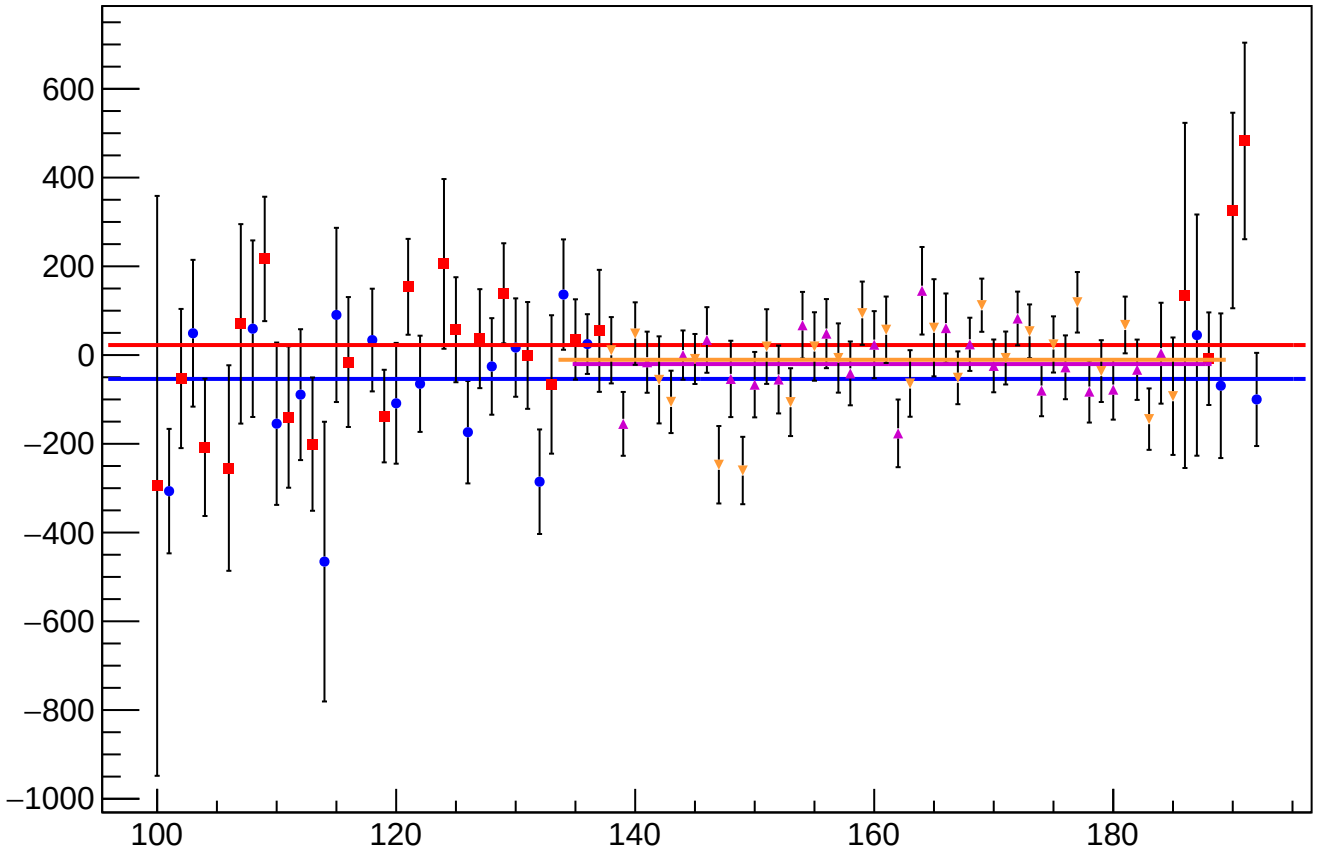
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 734.699+/-0.129 χ^2/NDF: 3990656.5/41

In: 365.079+/-0.053 χ^2/NDF:7255840.7/41

Out: 364.296+/-0.052 χ^2/NDF:8806151.9/47

All: 364.680+/-0.037 χ^2/NDF: 16062102.1/89



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: 22.586+/-29.305 χ^2/NDF: 22.1/22

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

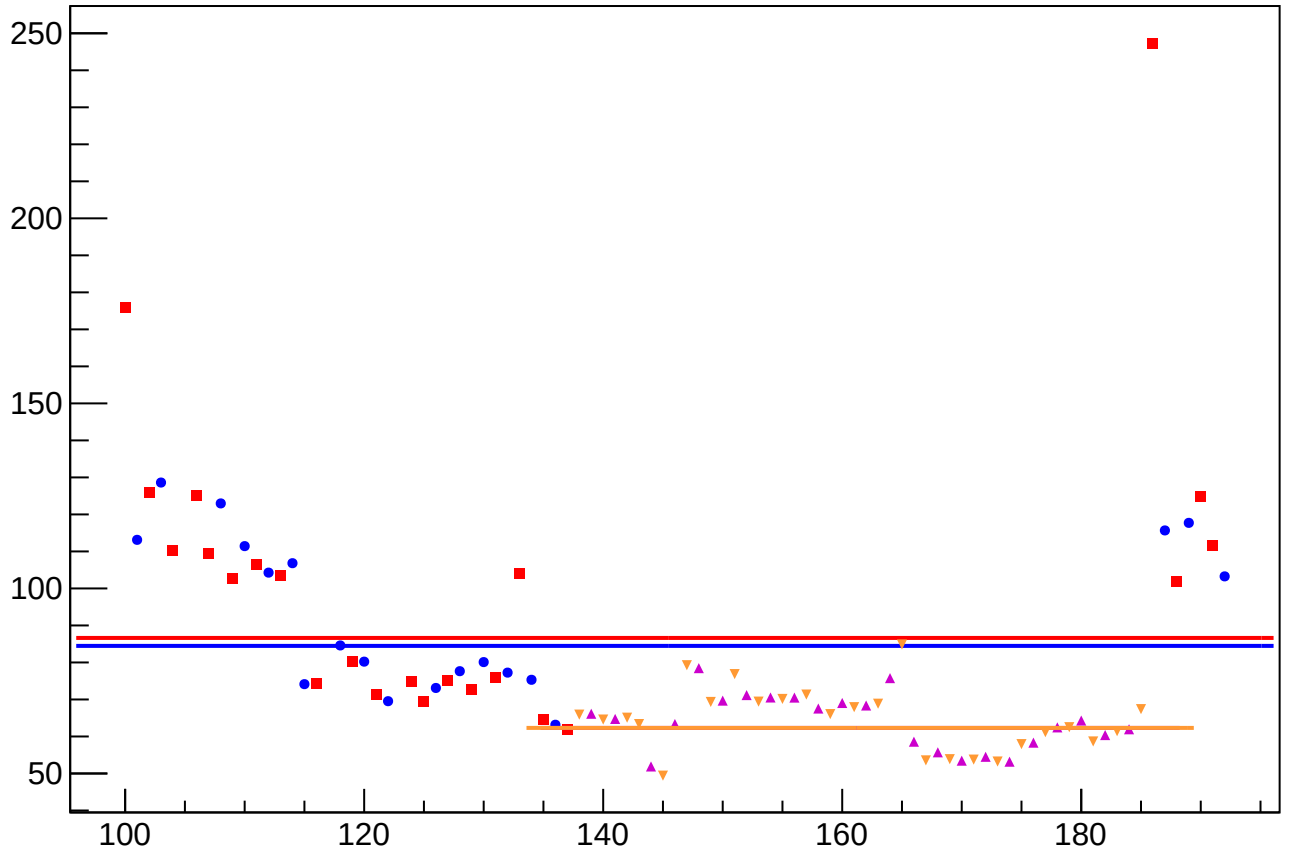
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -15.824+/-20.660 χ^2/NDF: 42.3/41

In: -27.136+/-13.159 χ^2/NDF:39.5/41

Out: -4.221+/-12.859 χ^2/NDF:65.4/47

All: -15.415+/-9.197 χ^2/NDF: 106.4/89



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: 86.627+/-0.021 χ^2/NDF: 1226354.3/22

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

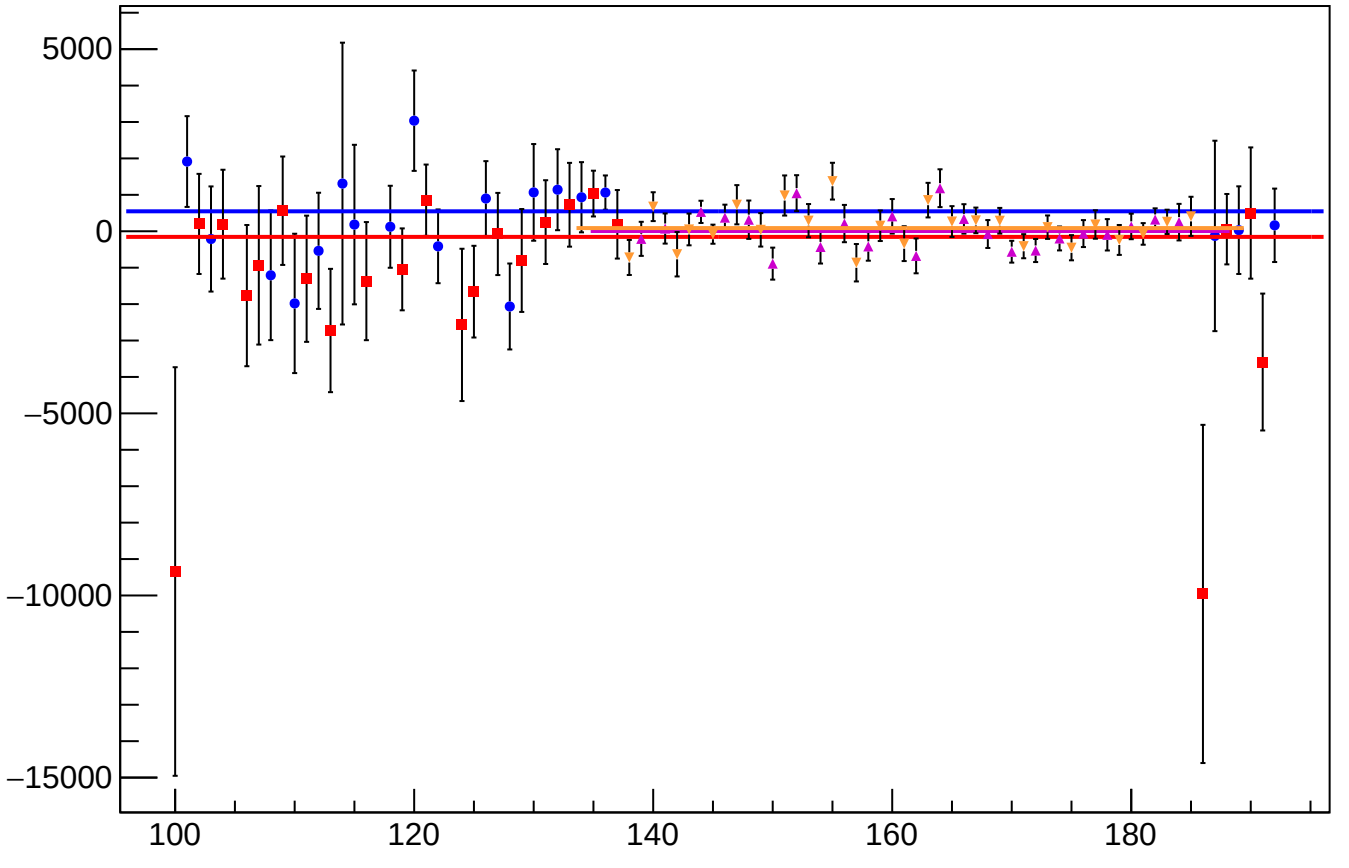
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 85.546+/-0.015 χ^2/NDF: 2090224.3/41

In: 66.834+/-0.009 χ^2/NDF:2264716.2/41

Out: 66.997+/-0.009 χ^2/NDF:2974023.8/47

All: 66.917+/-0.007 χ^2/NDF: 5238898.5/89



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: -154.547+/-268.579 χ^2/NDF: 24.2/22

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

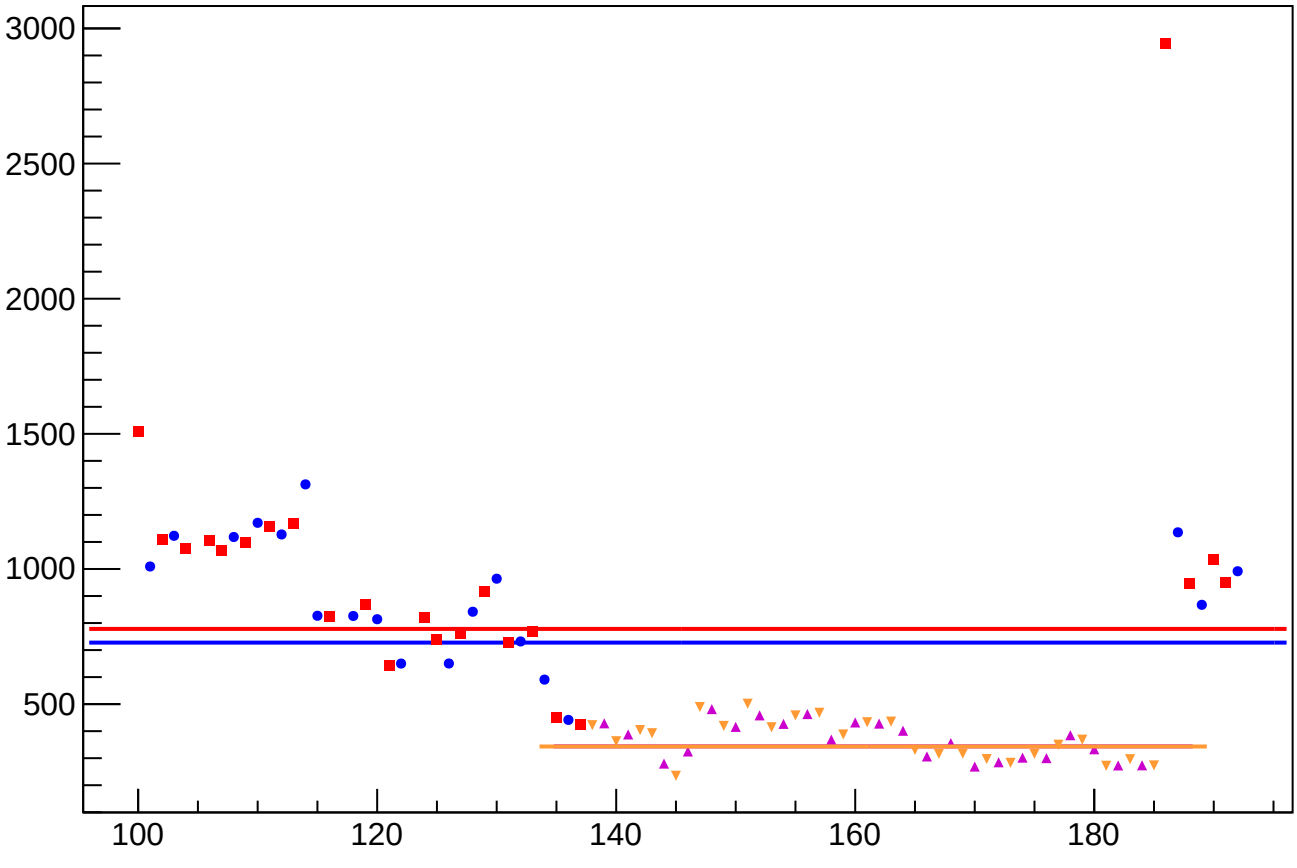
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 212.083+/-185.678 χ^2/NDF: 44.1/41

In: 56.635+/-78.215 χ^2/NDF:52.7/41

Out: 67.375+/-76.527 χ^2/NDF:56.6/47

All: 62.122+/-54.700 χ^2/NDF: 109.3/89



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: 778.323+/-0.190 χ^2/NDF: 2077509.5/22

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

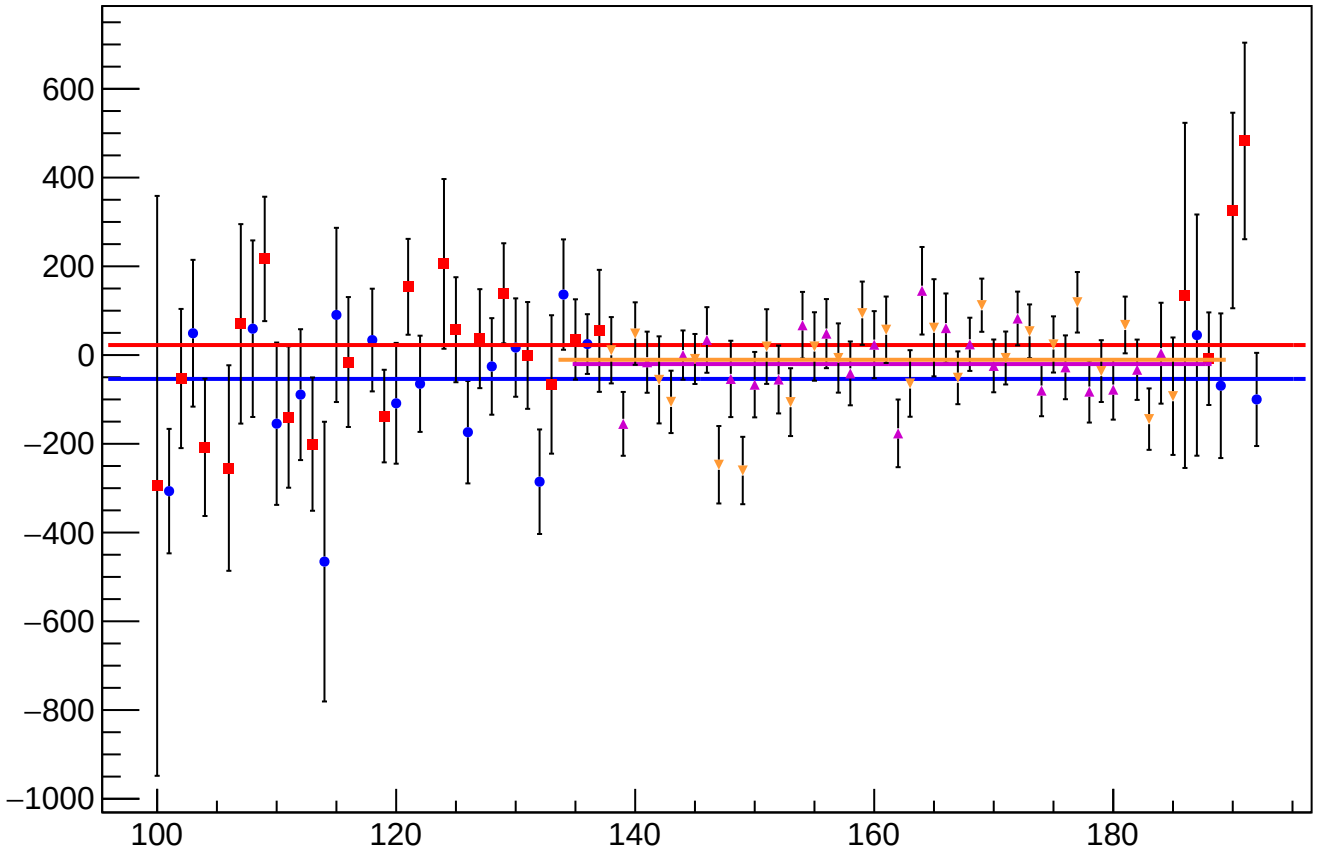
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 751.848+/-0.131 χ^2/NDF: 3869200.9/41

In: 379.279+/-0.055 χ^2/NDF:7062634.9/41

Out: 378.549+/-0.054 χ^2/NDF:8495561.3/47

All: 378.906+/-0.039 χ^2/NDF: 15558285.2/89



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: 22.586+/-29.305 χ^2/NDF: 22.1/22

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

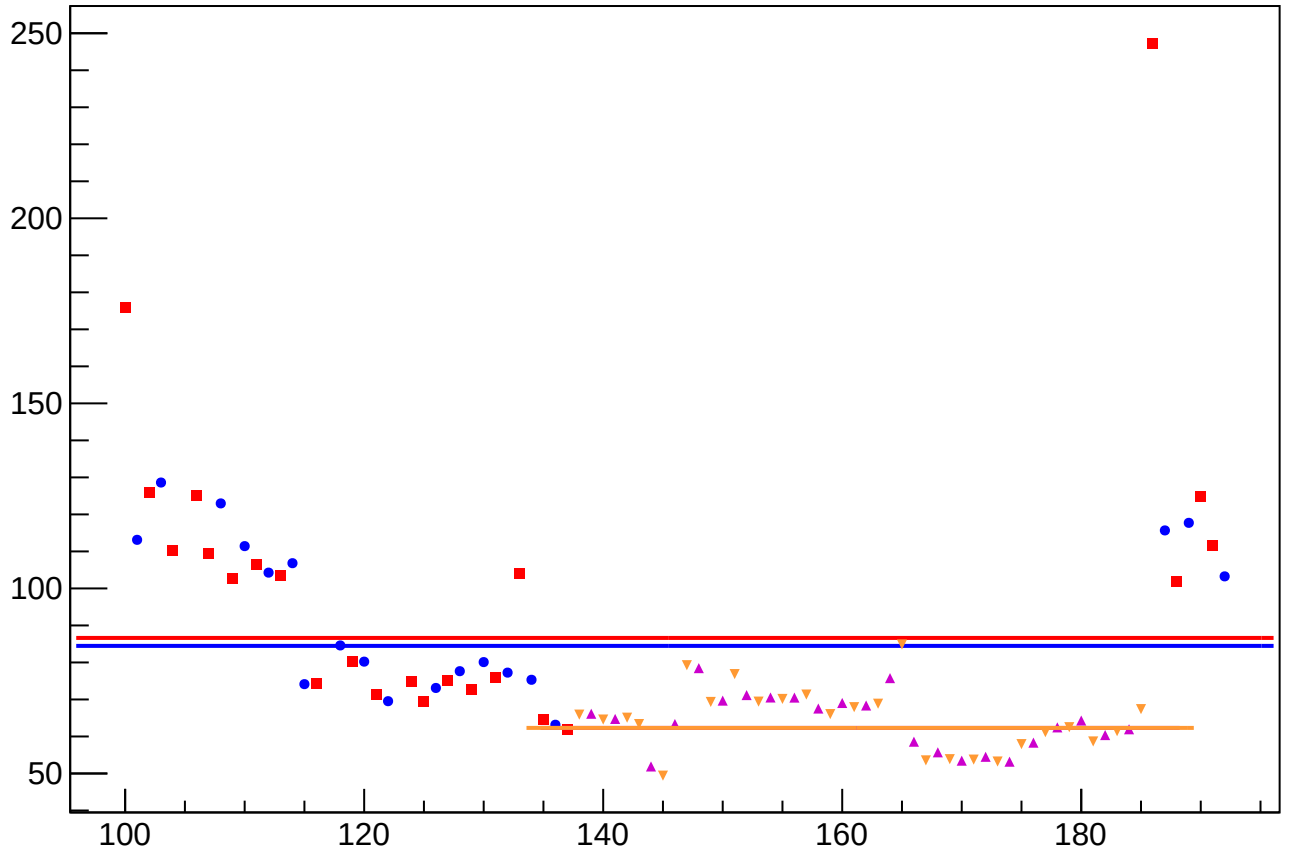
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -15.824+/-20.660 χ^2/NDF: 42.3/41

In: -27.136+/-13.159 χ^2/NDF:39.5/41

Out: -4.220+/-12.859 χ^2/NDF:65.4/47

All: -15.414+/-9.197 χ^2/NDF: 106.4/89



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: 86.627+/-0.021 χ^2/NDF: 1226335.6/22

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

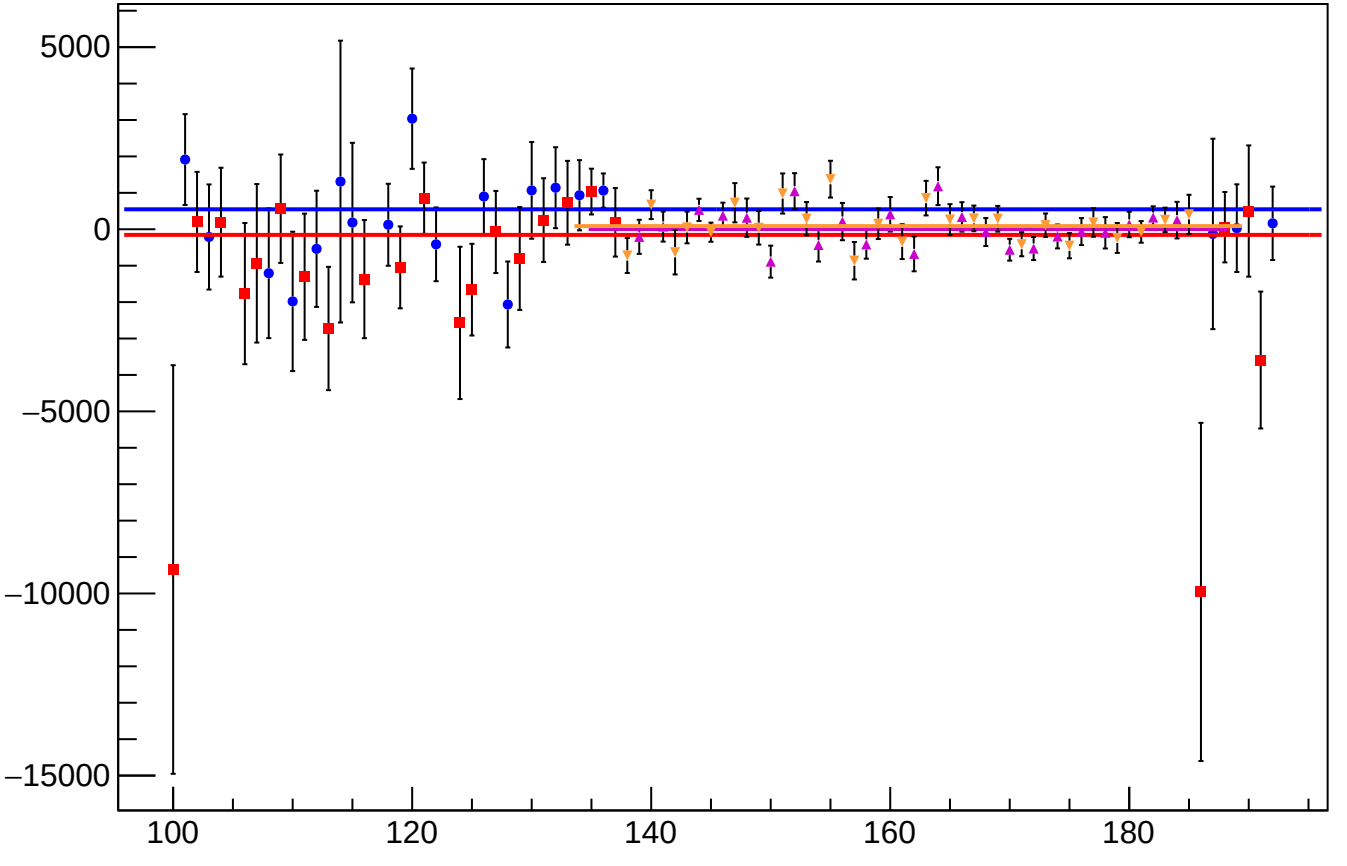
Right: 85.545+/-0.015 χ^2/NDF: 2090208.9/41

In: 66.834+/-0.009 χ^2/NDF:2264668.7/41

Out: 66.997+/-0.009 χ^2/NDF:2973980.1/47

All: 66.918+/-0.007 χ^2/NDF: 5238807.2/89

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -154.548+/-268.579 χ^2/NDF: 24.2/22

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

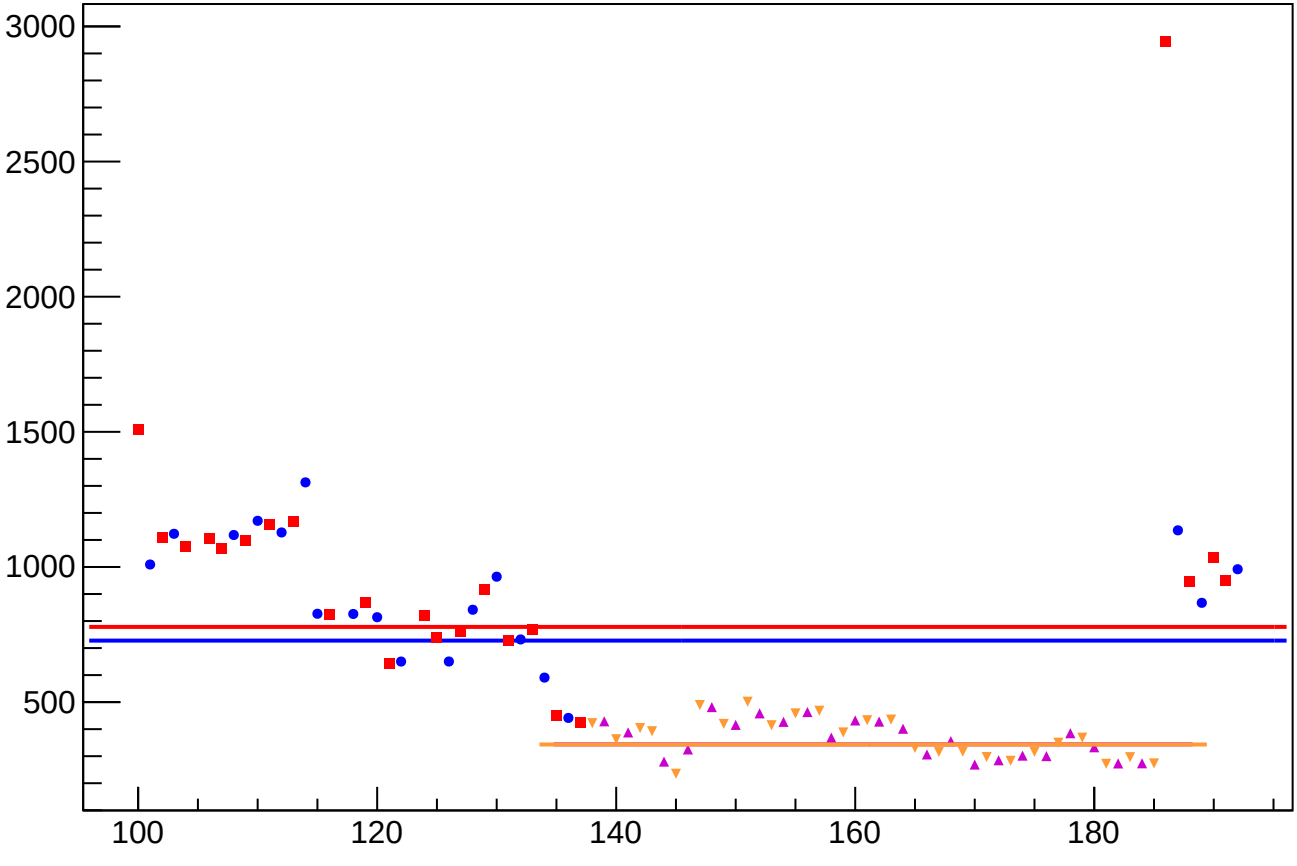
Right: 212.082+/-185.677 χ^2/NDF: 44.1/41

In: 56.635+/-78.215 χ^2/NDF:52.7/41

Out: 67.376+/-76.527 χ^2/NDF:56.6/47

All: 62.122+/-54.700 χ^2/NDF: 109.3/89

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: 778.322+/-0.190 χ^2/NDF: 2077498.7/22

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

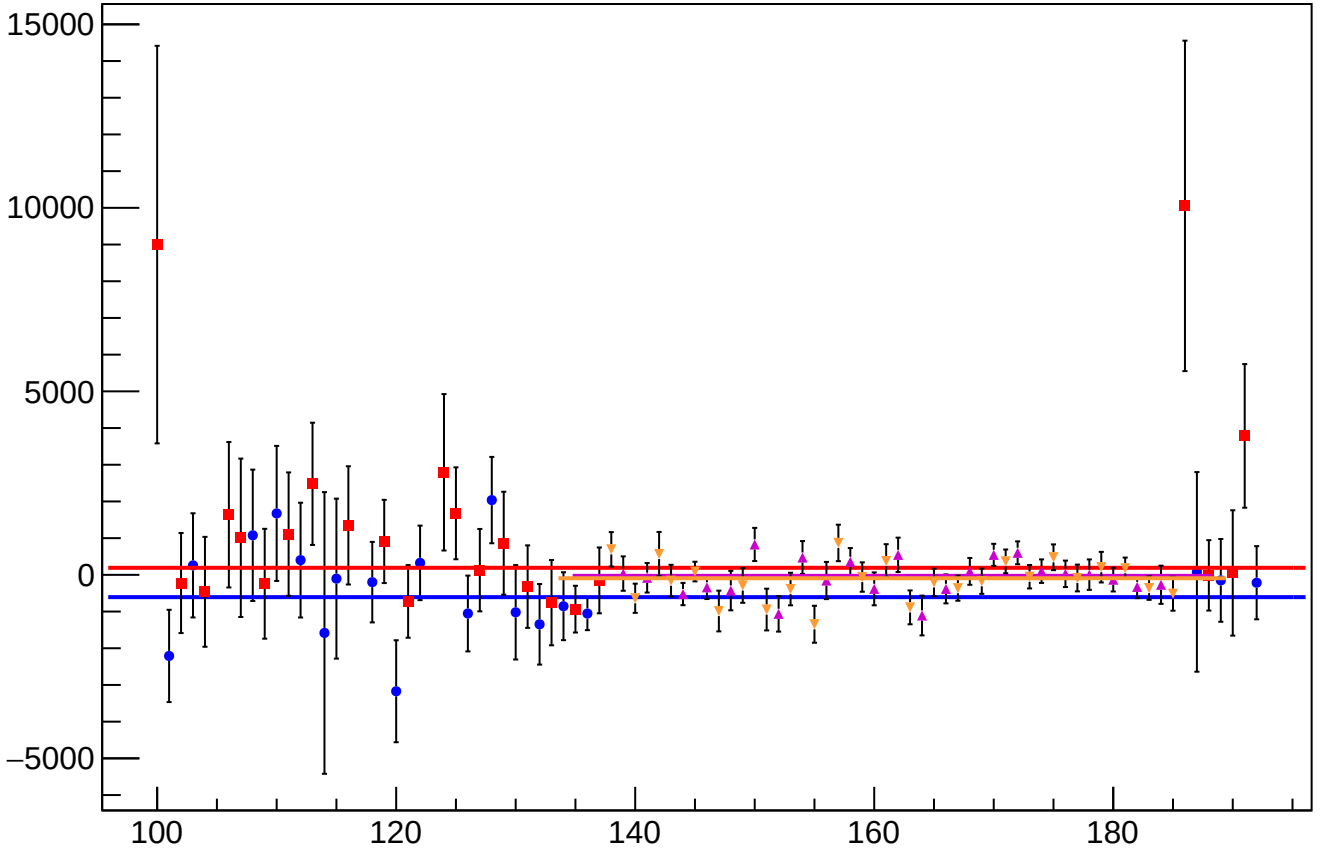
Right: 751.847+/-0.131 χ^2/NDF: 3869177.1/41

In: 379.280+/-0.055 χ^2/NDF:7062627.4/41

Out: 378.549+/-0.054 χ^2/NDF:8495562.3/47

All: 378.906+/-0.039 χ^2/NDF: 15558278.8/89

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: 192.256+/-267.503 χ^2/NDF: 23.2/22

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

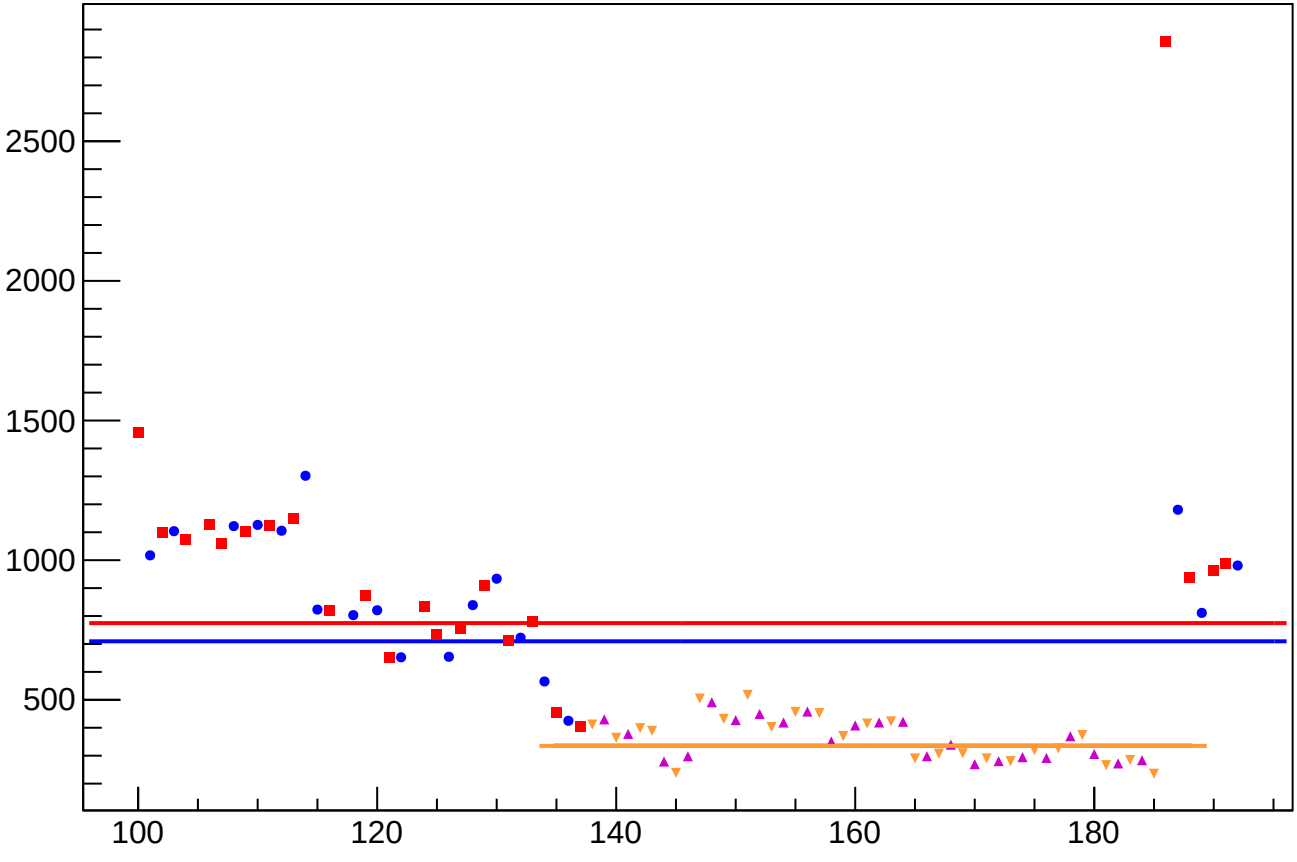
Right: -232.154+/-183.253 χ^2/NDF: 44.5/41

In: -80.725+/-76.417 χ^2/NDF:52.3/41

Out: -70.247+/-75.045 χ^2/NDF:58.4/47

All: -75.391+/-53.543 χ^2/NDF: 110.7/89

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: 774.746+/-0.189 χ^2/NDF: 2064007.7/22

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

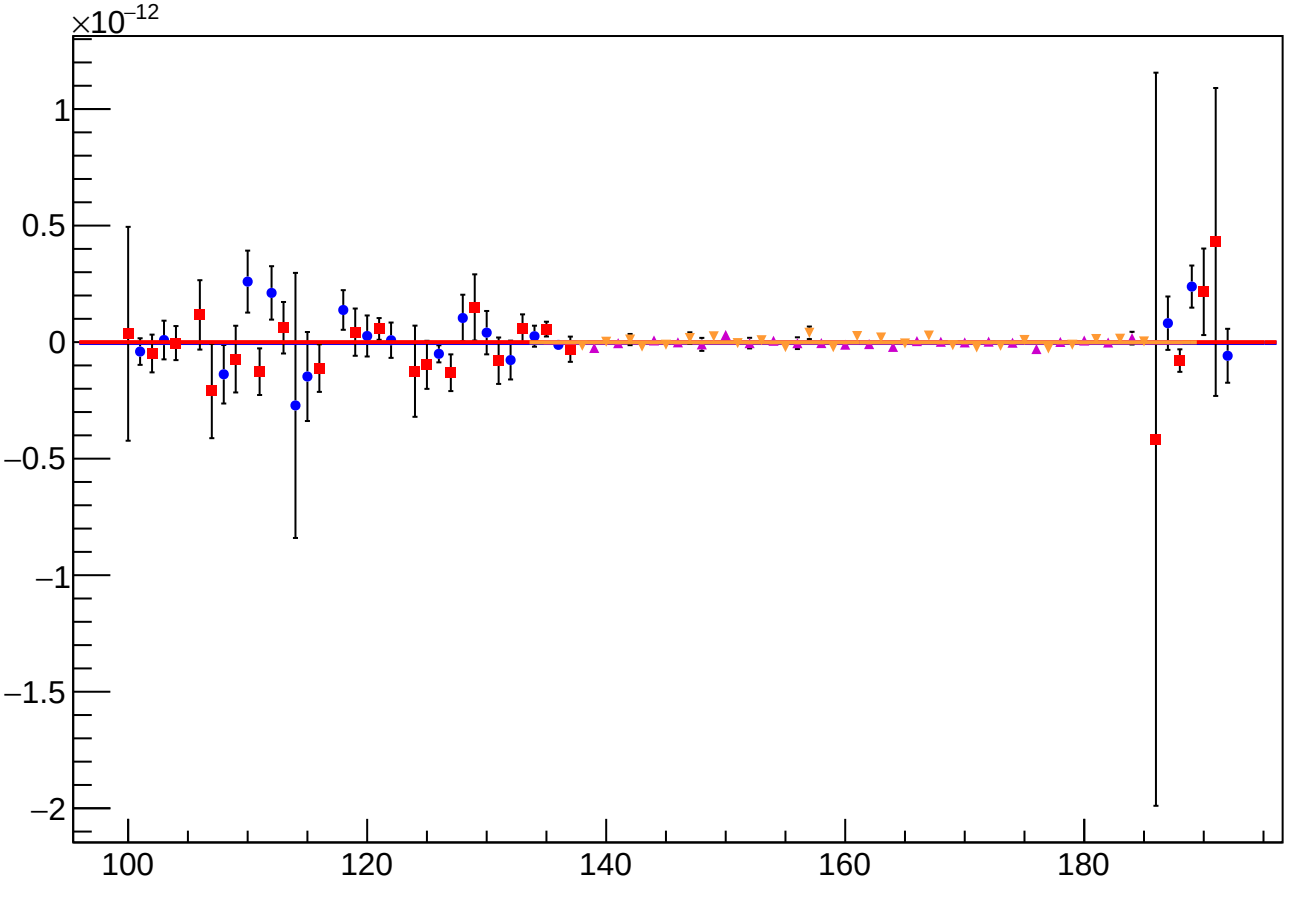
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 740.119+/-0.130 χ^2/NDF: 3977494.7/41

In: 370.275+/-0.054 χ^2/NDF:7148599.6/41

Out: 369.747+/-0.053 χ^2/NDF:8746042.4/47

All: 370.006+/-0.038 χ^2/NDF: 15894690.7/89



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: 21.8/22

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

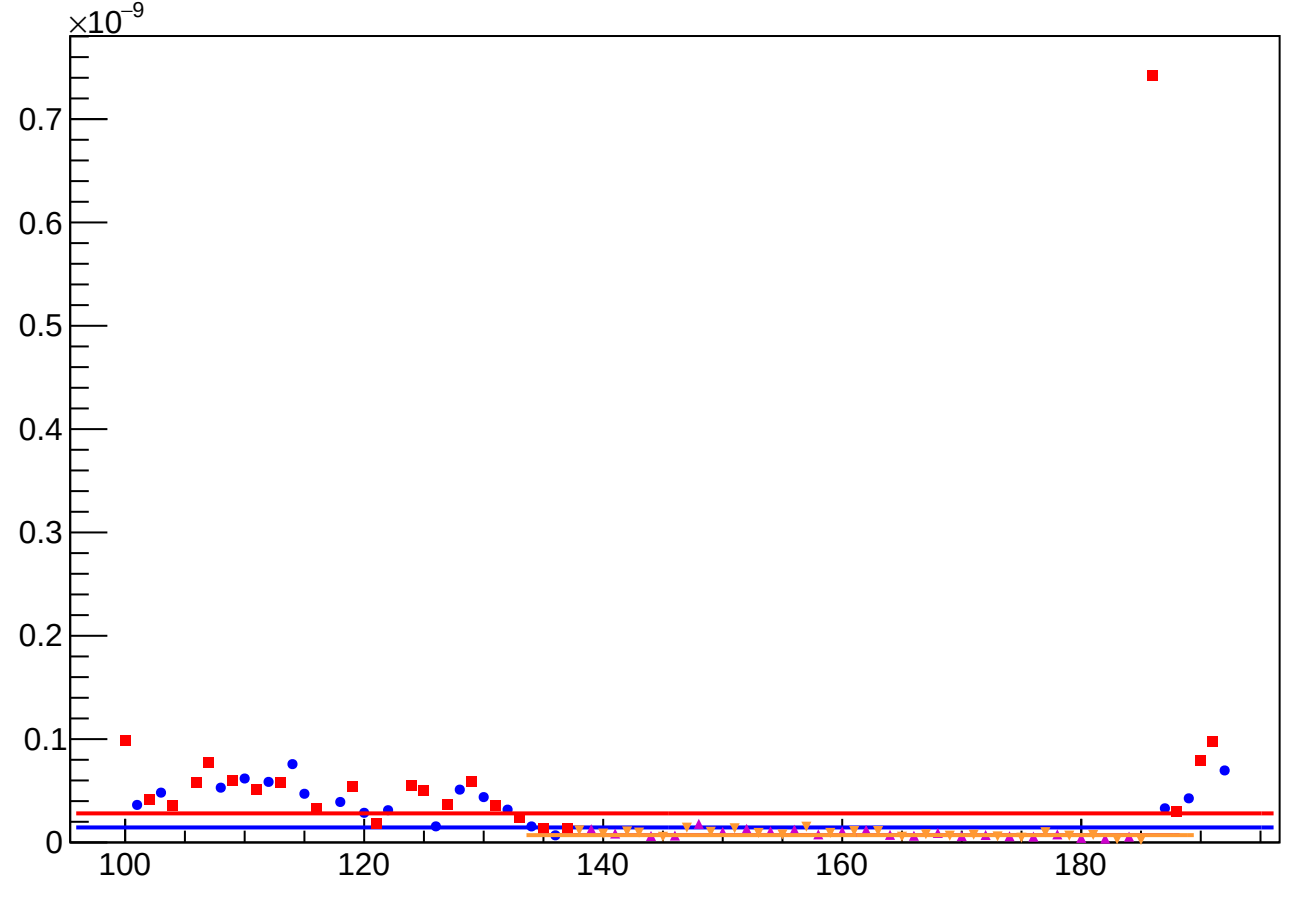
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

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

In: -0.000+/-0.000 χ^2/NDF:40.1/41

Out: -0.000+/-0.000 χ^2/NDF:55.0/47

All: -0.000+/-0.000 χ^2/NDF: 95.2/89



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: 2333093.5/22

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

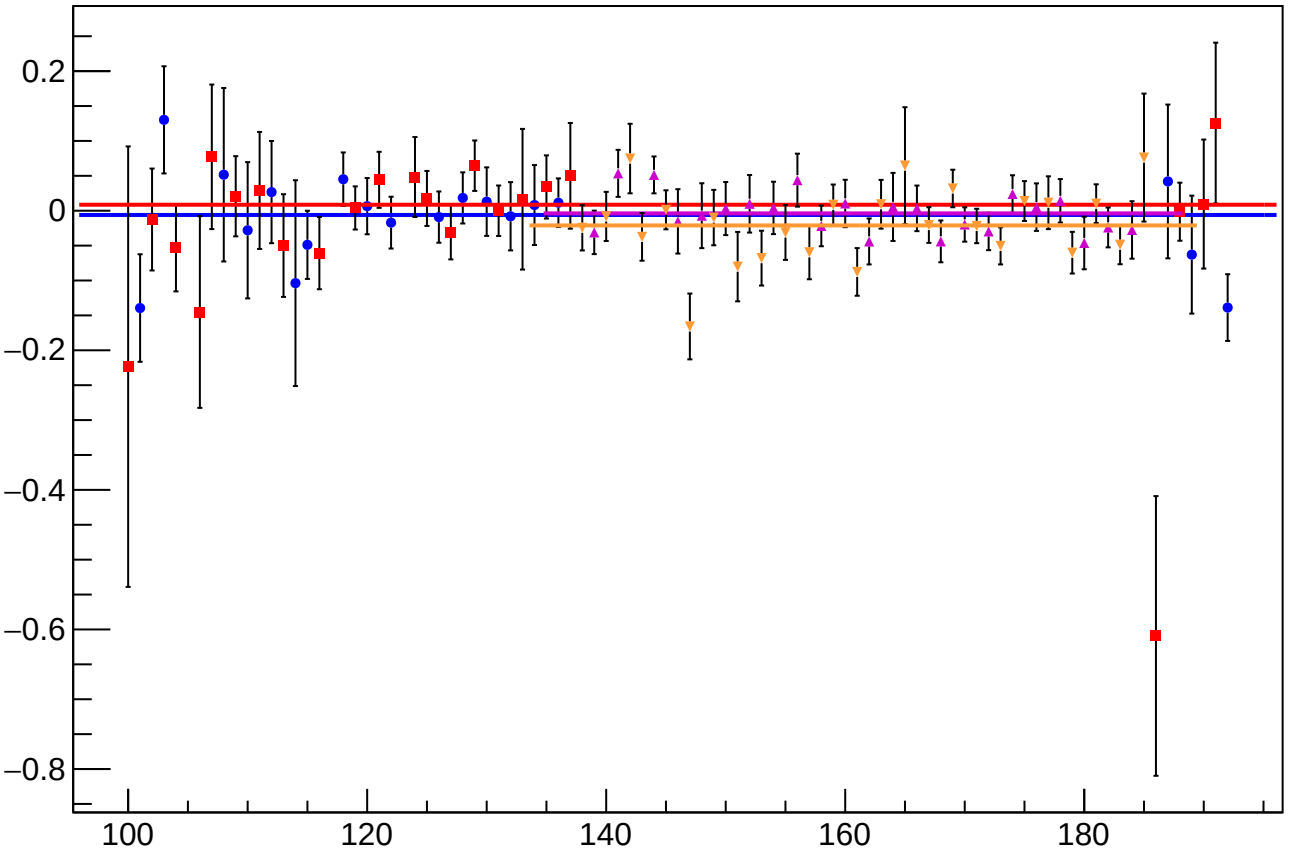
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 7098325.0/41

In: 0.000+/-0.000 χ^2/NDF:6296737.5/41

Out: 0.000+/-0.000 χ^2/NDF:7595412.6/47

All: 0.000+/-0.000 χ^2/NDF: 13892754.3/89



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: 0.009+/-0.011 χ^2/NDF: 21.9/22

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

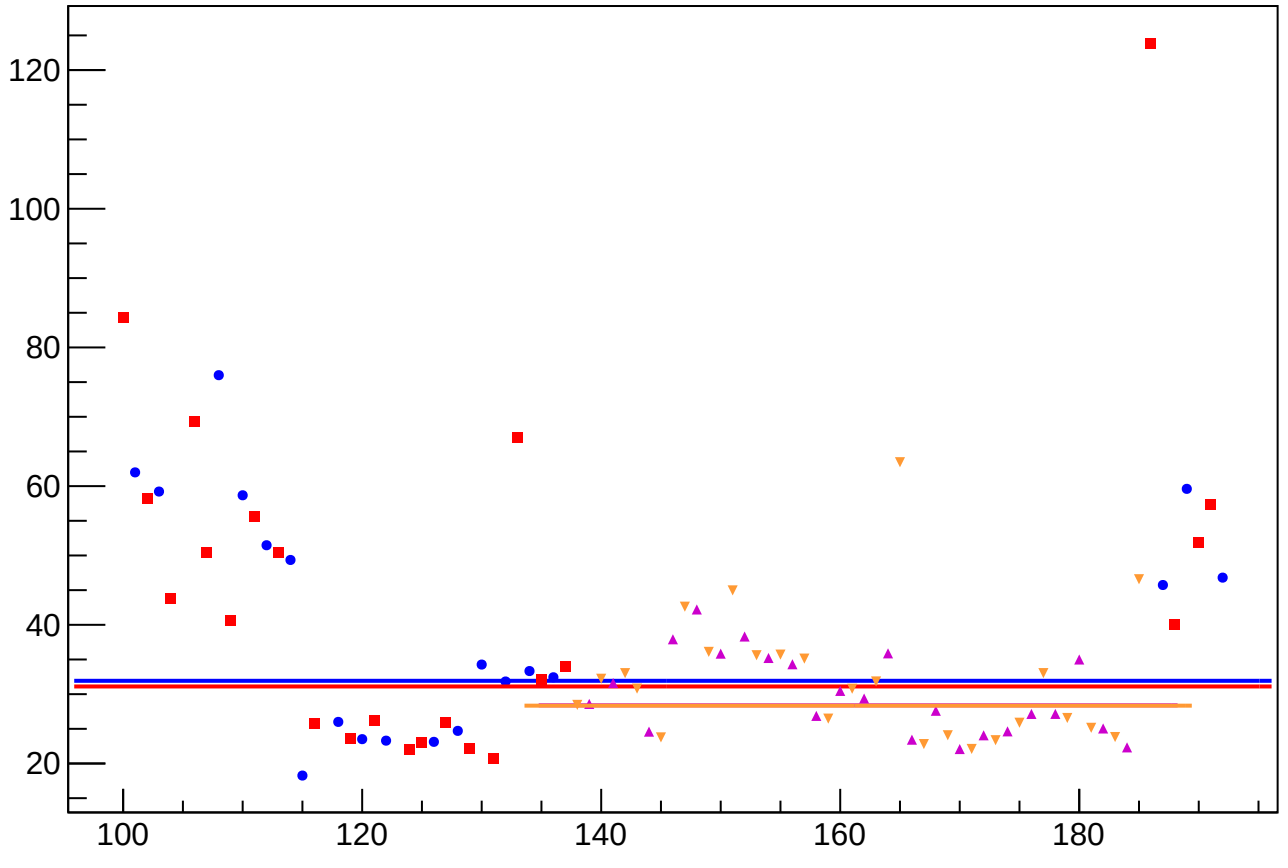
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.002+/-0.008 χ^2/NDF: 41.7/41

In: -0.004+/-0.006 χ^2/NDF:37.8/41

Out: -0.013+/-0.006 χ^2/NDF:64.2/47

All: -0.009+/-0.004 χ^2/NDF: 103.1/89



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: 31.109+/-0.008 χ^2/NDF: 2612952.3/22

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

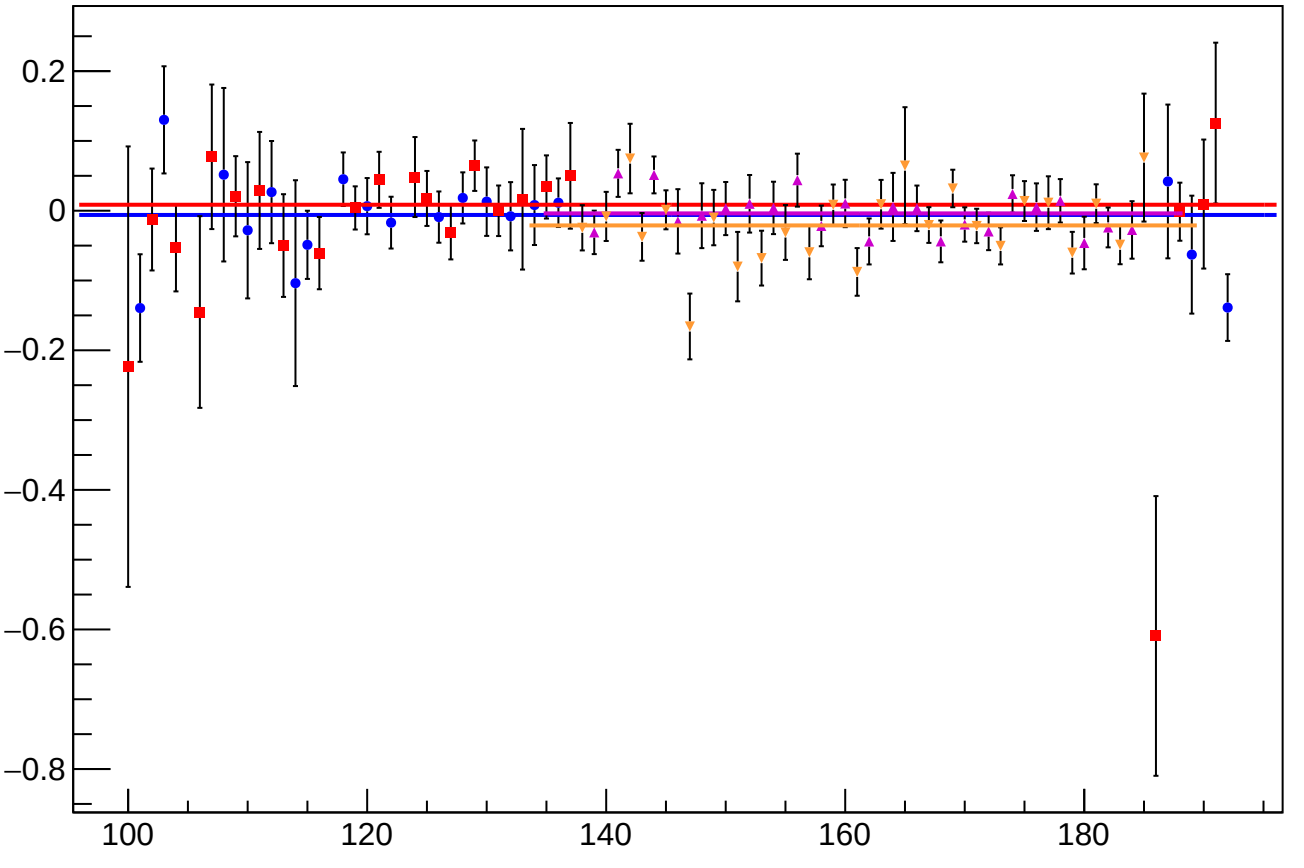
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 31.500+/-0.006 χ^2/NDF: 4785476.5/41

In: 29.293+/-0.004 χ^2/NDF:3402076.5/41

Out: 29.065+/-0.004 χ^2/NDF:4436565.0/47

All: 29.175+/-0.003 χ^2/NDF: 7840163.8/89



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: 0.009+/-0.011 χ^2/NDF: 21.9/22

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

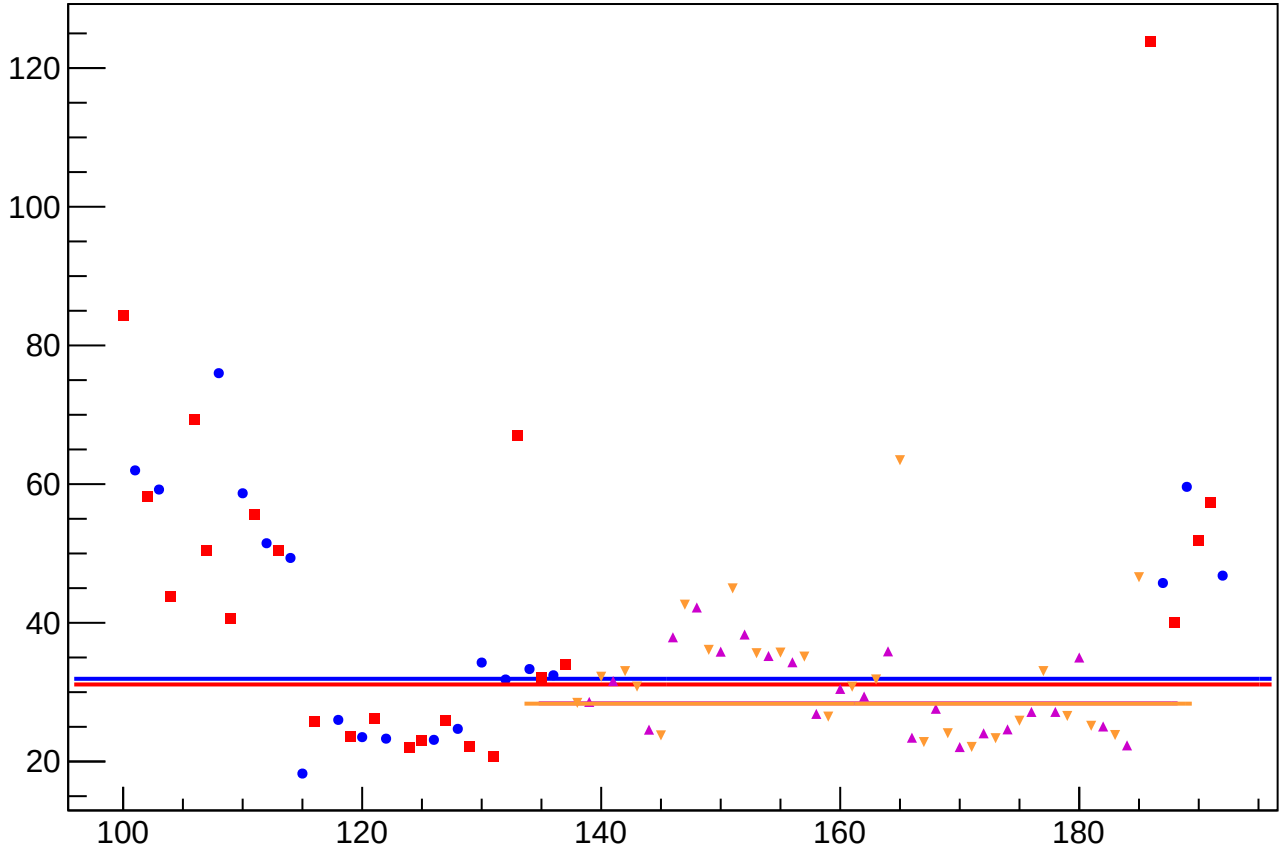
Right: 0.002+/-0.008 χ^2/NDF: 41.7/41

In: -0.004+/-0.006 χ^2/NDF:37.8/41

Out: -0.013+/-0.006 χ^2/NDF:64.2/47

All: -0.009+/-0.004 χ^2/NDF: 103.1/89

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 31.109+/-0.008 χ^2/NDF: 2612952.3/22

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

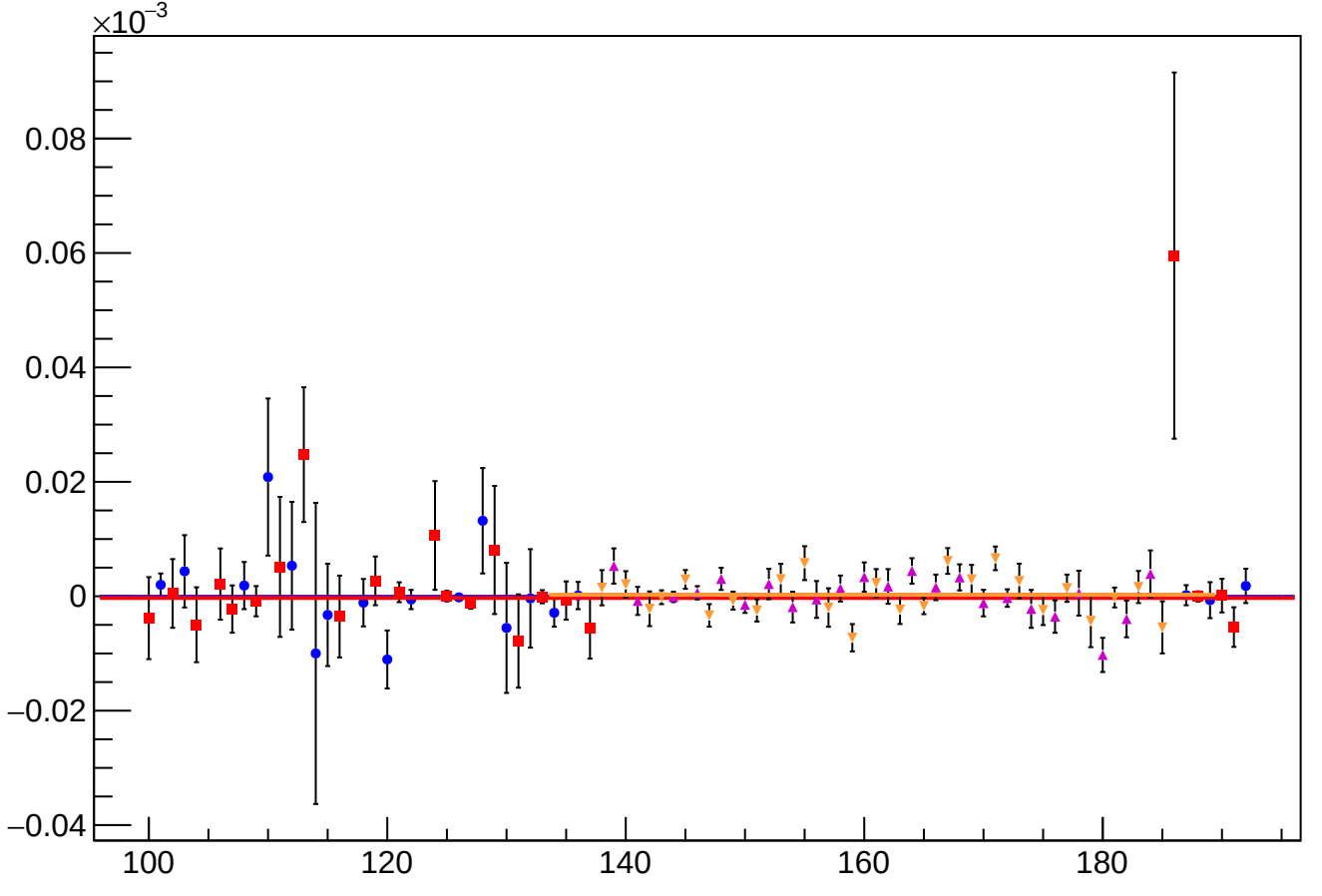
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 31.500+/-0.006 χ^2/NDF: 4785476.5/41

In: 29.293+/-0.004 χ^2/NDF:3402076.5/41

Out: 29.065+/-0.004 χ^2/NDF:4436565.0/47

All: 29.175+/-0.003 χ^2/NDF: 7840163.8/89



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: 17.2/22

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

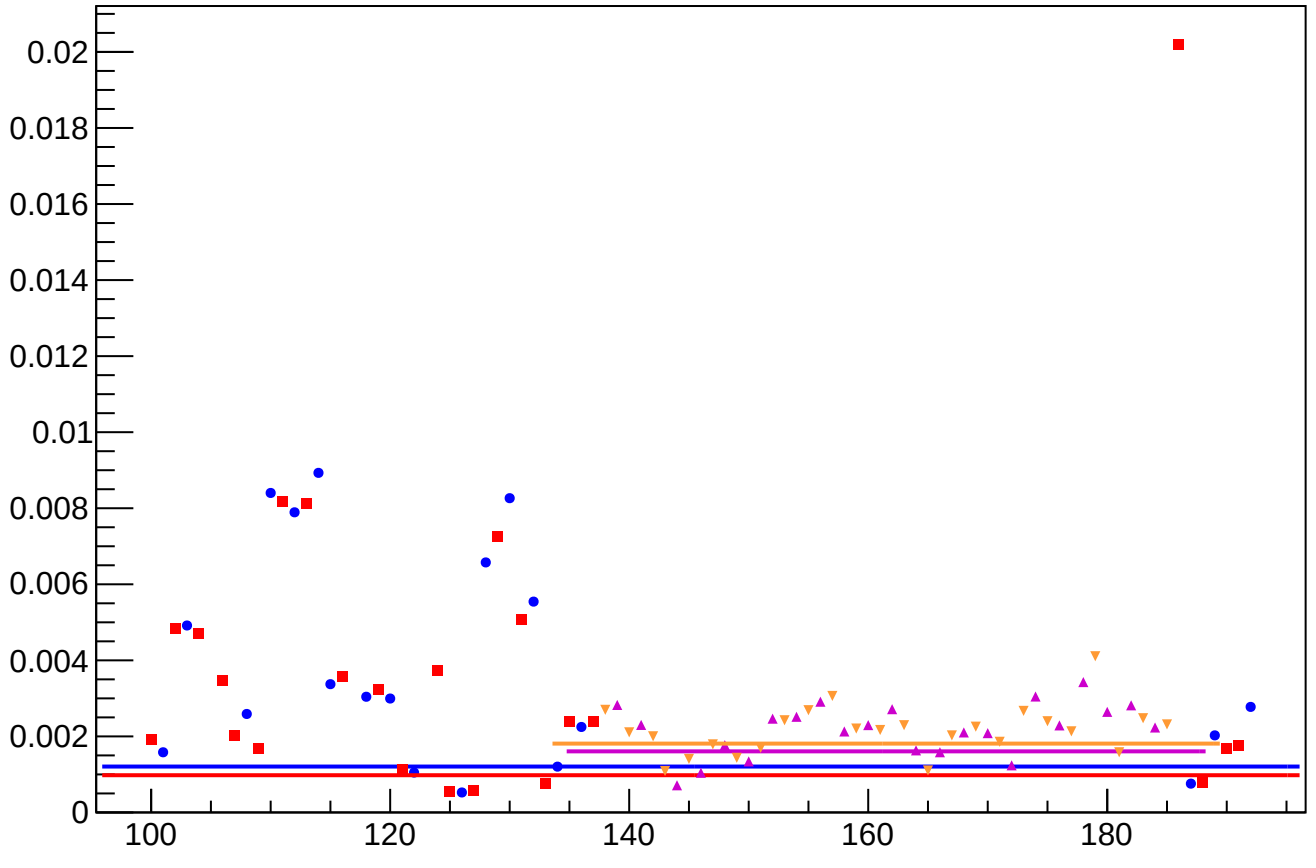
Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

Right: -0.000+/-0.000 χ^2/NDF: 30.9/41

In: 0.000+/-0.000 χ^2/NDF:47.1/41

Out: -0.000+/-0.000 χ^2/NDF:68.7/47

All: 0.000+/-0.000 χ^2/NDF: 115.9/89



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: 7965938.1/22

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

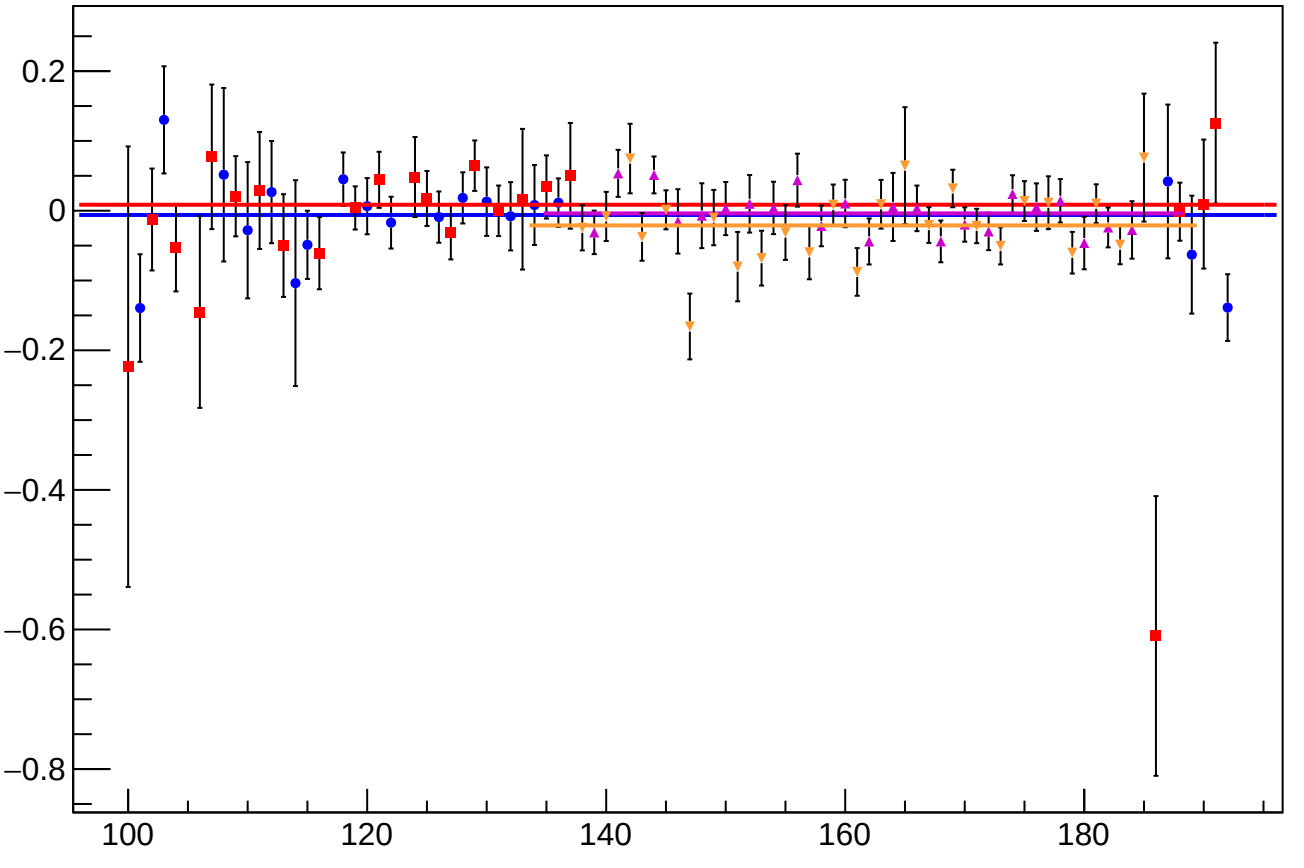
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 15875907.8/41

In: 0.001+/-0.000 χ^2/NDF:14385923.0/41

Out: 0.001+/-0.000 χ^2/NDF:14998357.3/47

All: 0.001+/-0.000 χ^2/NDF: 29418095.4/89



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: 0.009+/-0.011 χ^2/NDF: 21.9/22

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

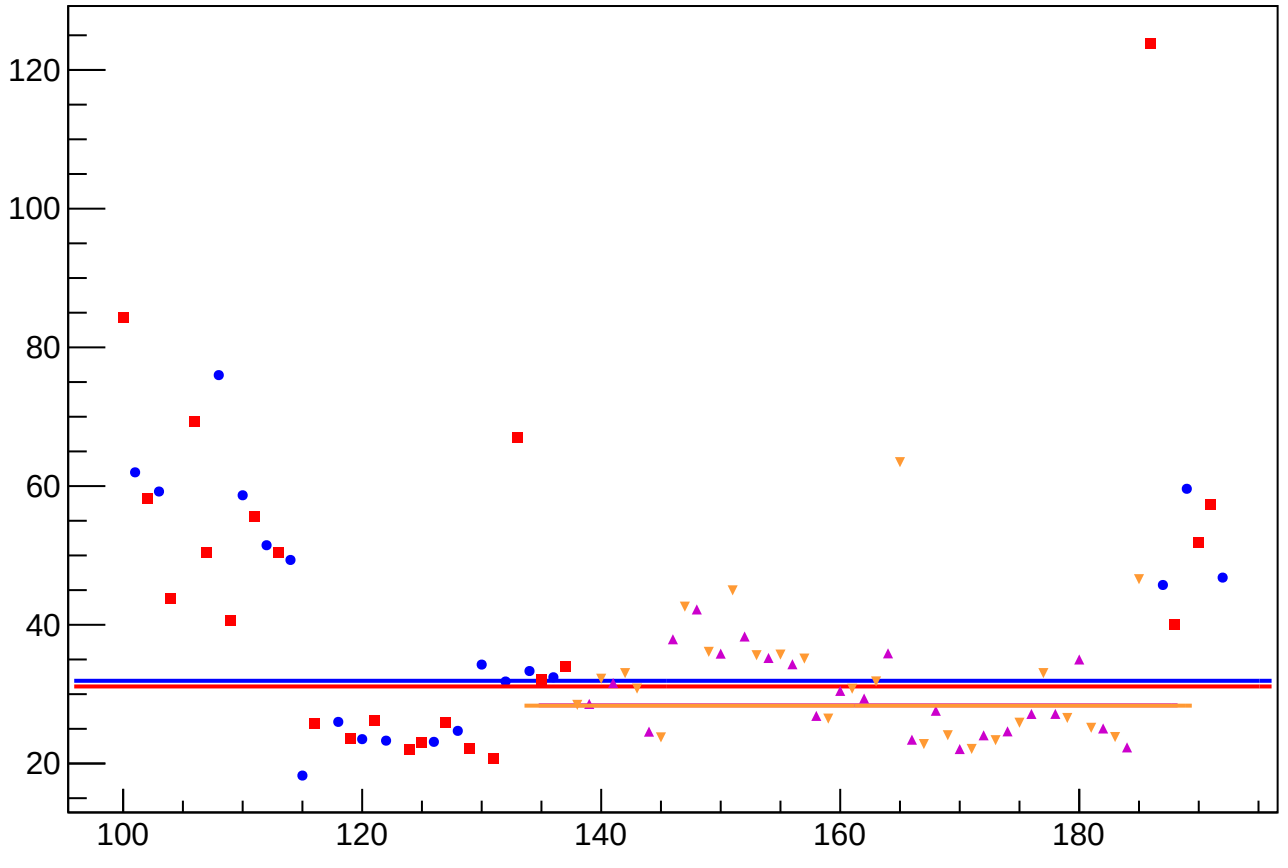
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.002+/-0.008 χ^2/NDF: 41.7/41

In: -0.004+/-0.006 χ^2/NDF:37.8/41

Out: -0.013+/-0.006 χ^2/NDF:64.2/47

All: -0.009+/-0.004 χ^2/NDF: 103.1/89



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: 31.109+/-0.008 χ^2/NDF: 2612937.0/22

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

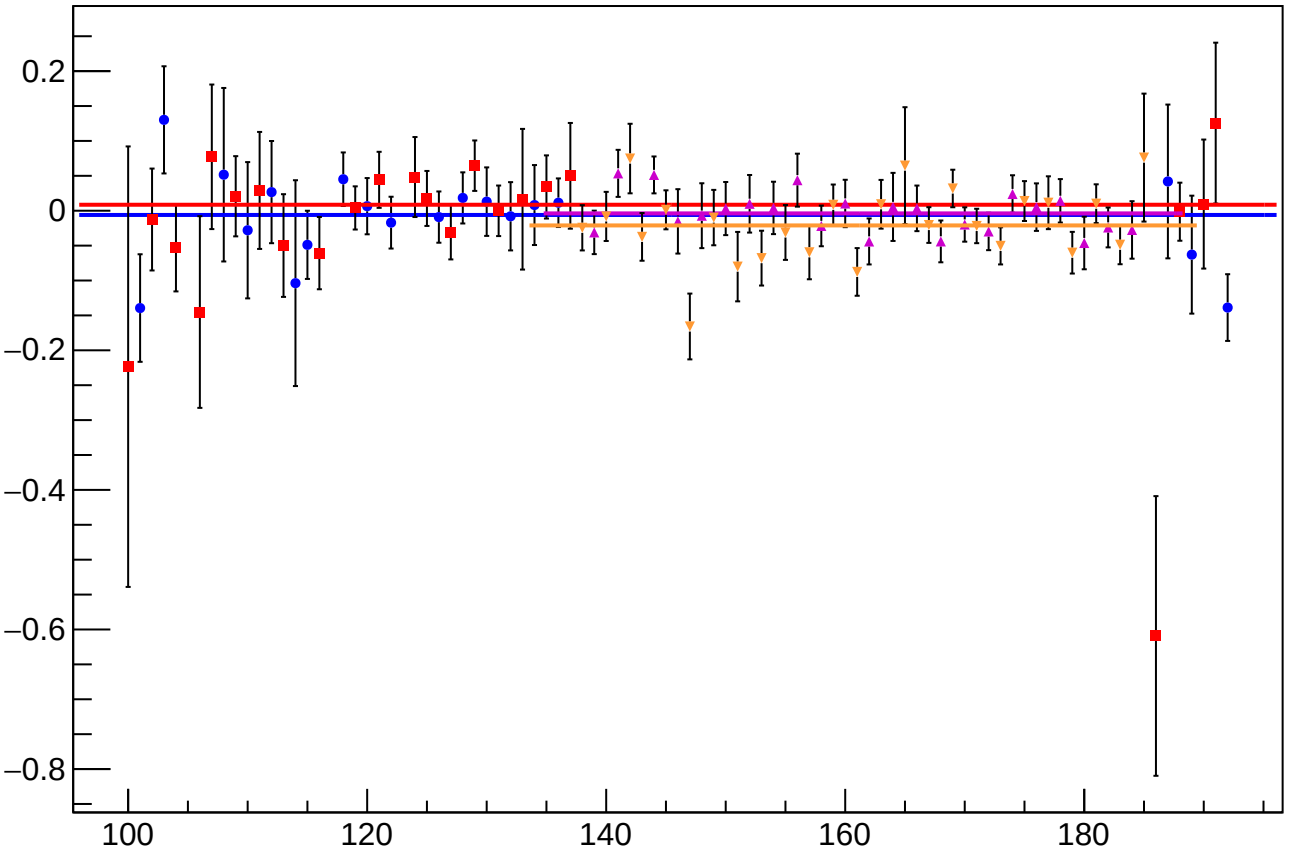
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 31.499+/-0.006 χ^2/NDF: 4785318.7/41

In: 29.293+/-0.004 χ^2/NDF:3401914.0/41

Out: 29.065+/-0.004 χ^2/NDF:4436505.5/47

All: 29.175+/-0.003 χ^2/NDF: 7839945.7/89



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: 0.009+/-0.011 χ^2/NDF: 21.9/22

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

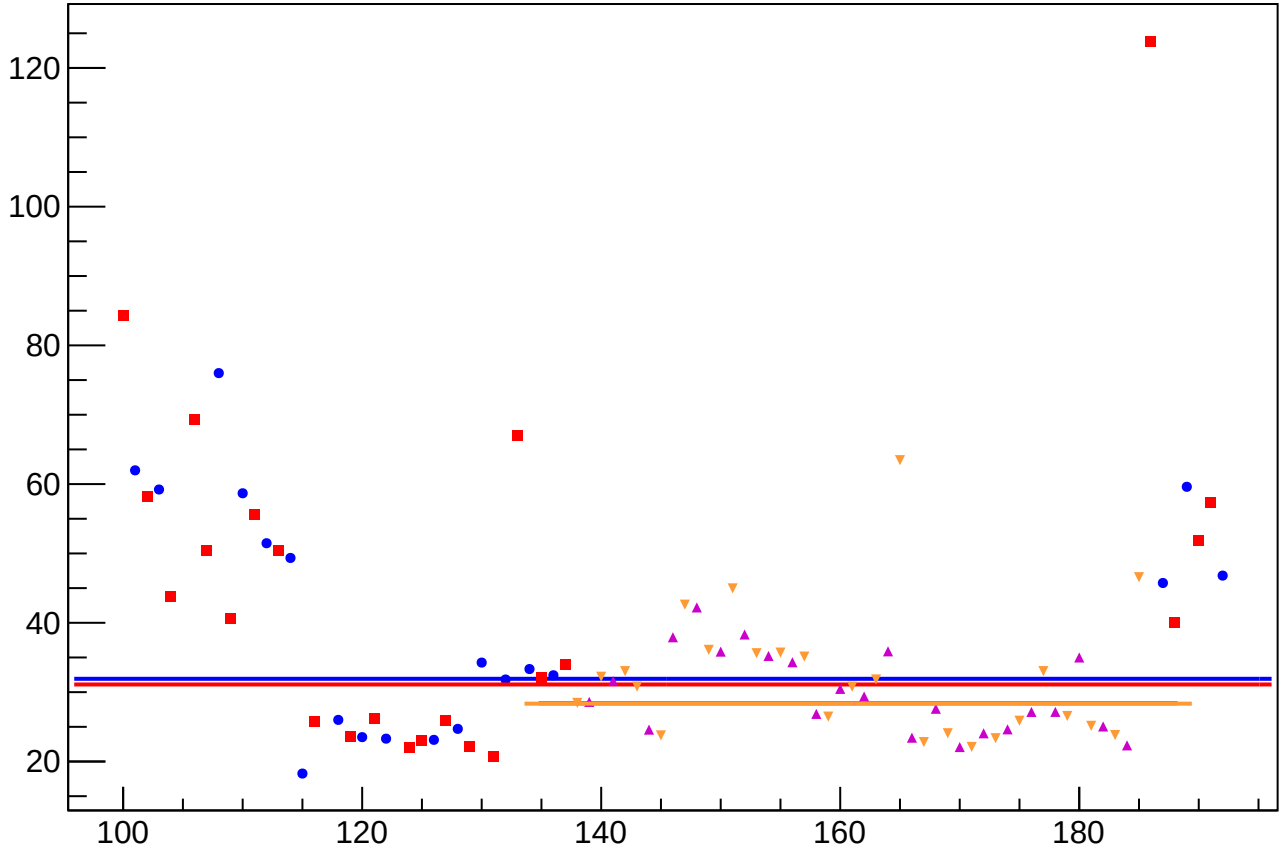
Right: 0.002+/-0.008 χ^2/NDF: 41.7/41

In: -0.004+/-0.006 χ^2/NDF:37.8/41

Out: -0.013+/-0.006 χ^2/NDF:64.2/47

All: -0.009+/-0.004 χ^2/NDF: 103.1/89

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: 31.109+/-0.008 χ^2/NDF: 2612937.0/22

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

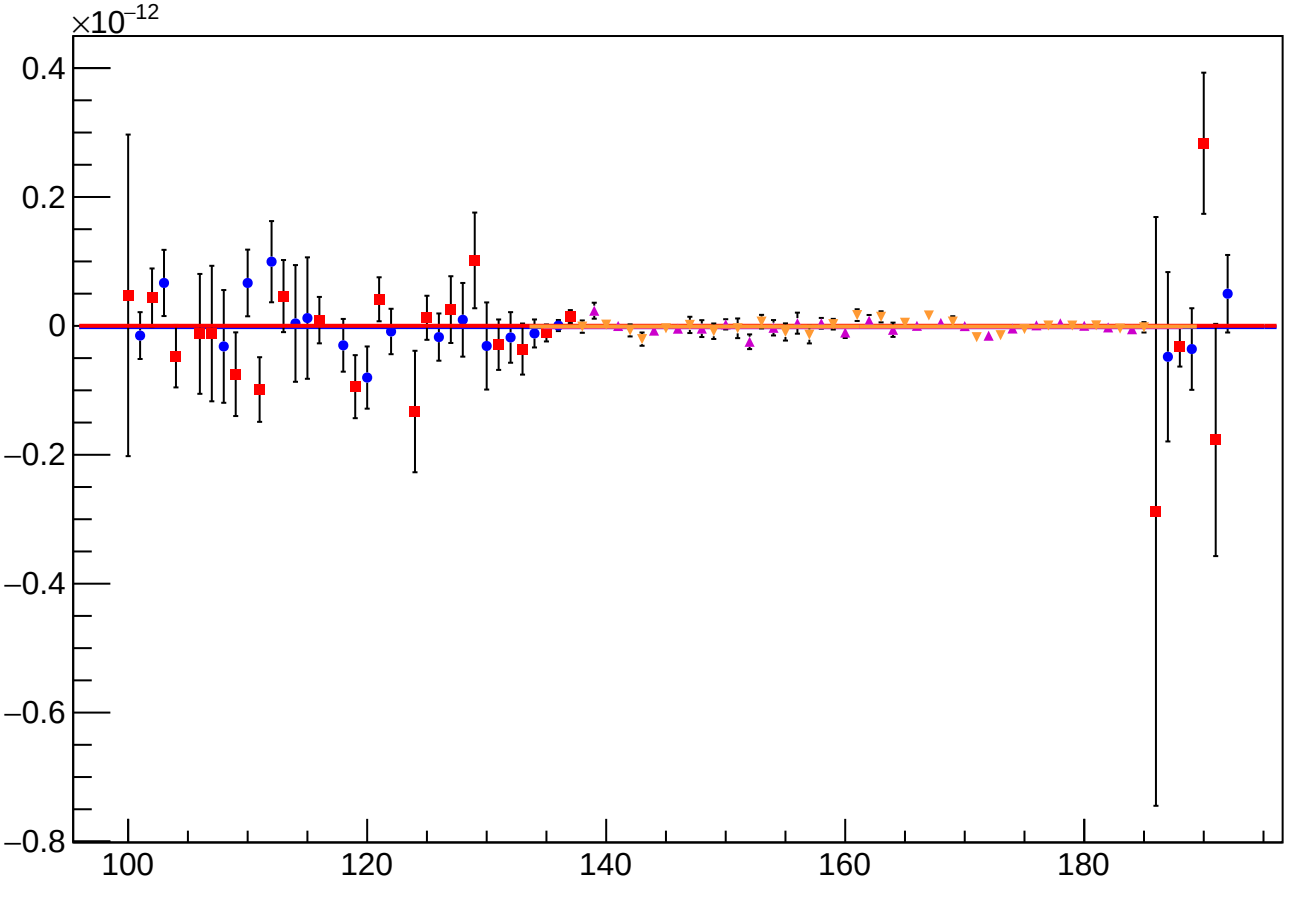
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 31.499+/-0.006 χ^2/NDF: 4785318.7/41

In: 29.293+/-0.004 χ^2/NDF:3401914.0/41

Out: 29.065+/-0.004 χ^2/NDF:4436505.5/47

All: 29.175+/-0.003 χ^2/NDF: 7839945.7/89



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: 30.5/22

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

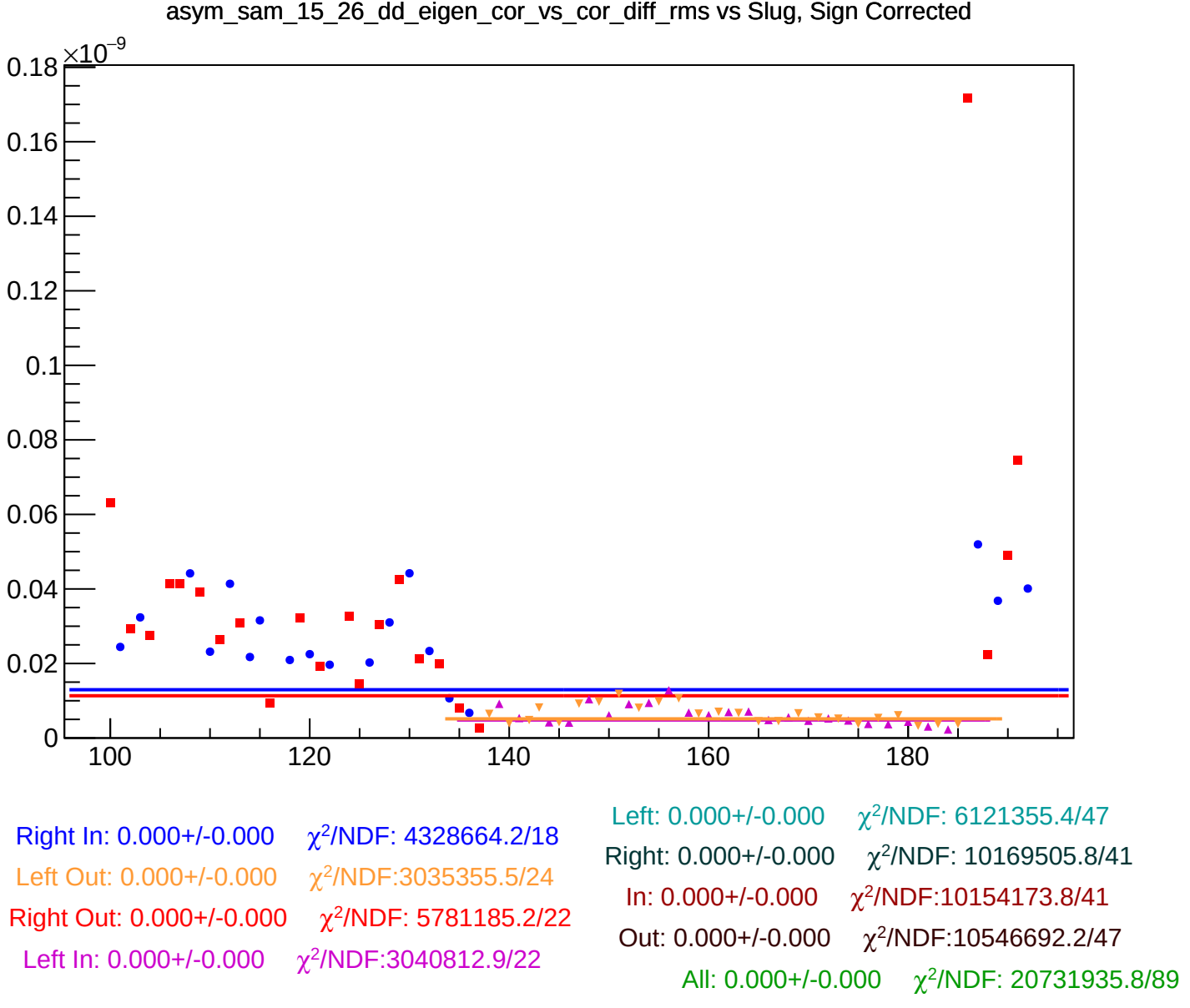
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: -0.000+/-0.000 χ^2/NDF: 42.1/41

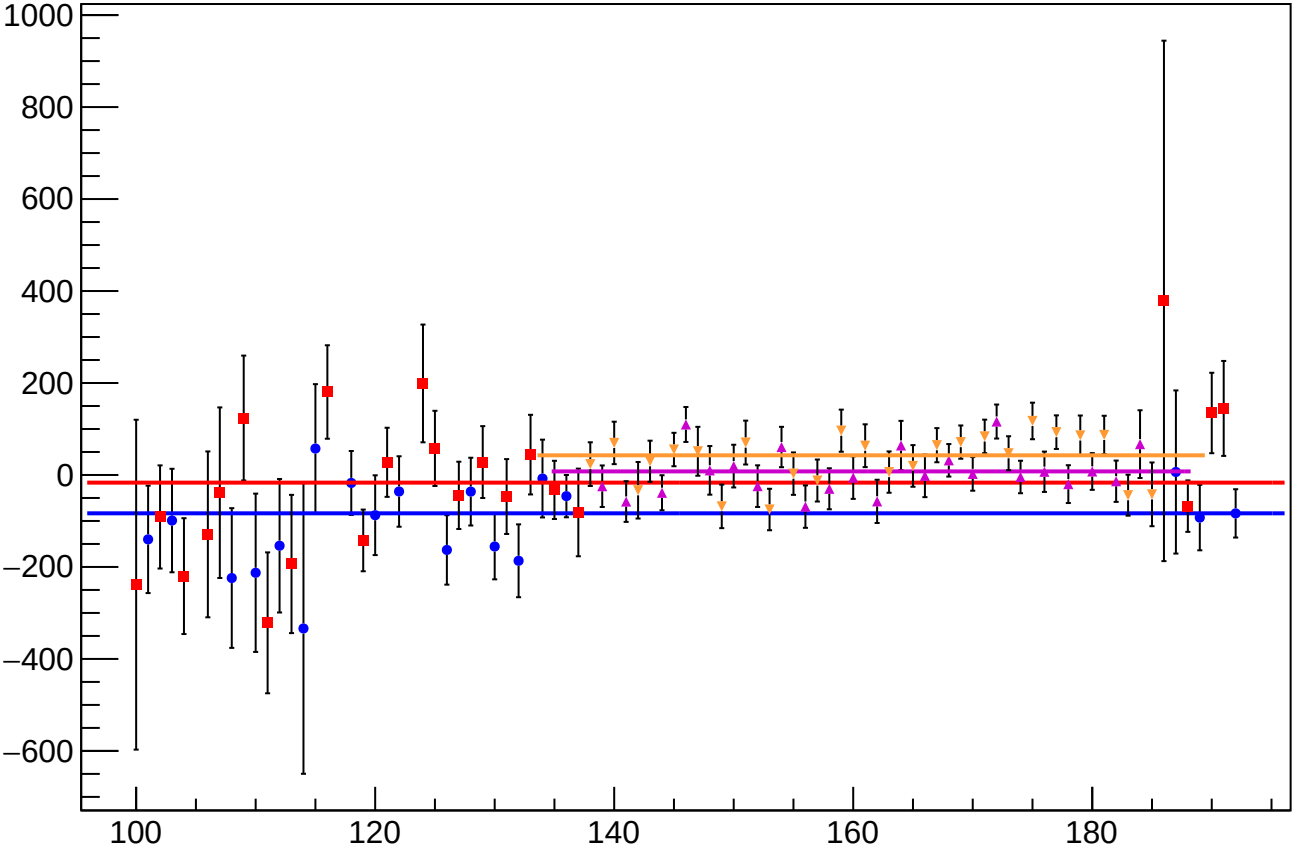
In: -0.000+/-0.000 χ^2/NDF:31.1/41

Out: -0.000+/-0.000 χ^2/NDF:64.7/47

All: -0.000+/-0.000 χ^2/NDF: 96.0/89


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 4328664.2/18
Left Out: 0.000+/-0.000 χ²/NDF:3035355.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 5781185.2/22
Left In: 0.000+/-0.000 χ²/NDF:3040812.9/22
Left: 0.000+/-0.000 χ²/NDF: 6121355.4/47
Right: 0.000+/-0.000 χ²/NDF: 10169505.8/41
In: 0.000+/-0.000 χ²/NDF:10154173.8/41
Out: 0.000+/-0.000 χ²/NDF:10546692.2/47
All: 0.000+/-0.000 χ²/NDF: 20731935.8/89

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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: -16.636+/-19.610 χ^2/NDF: 29.9/22

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

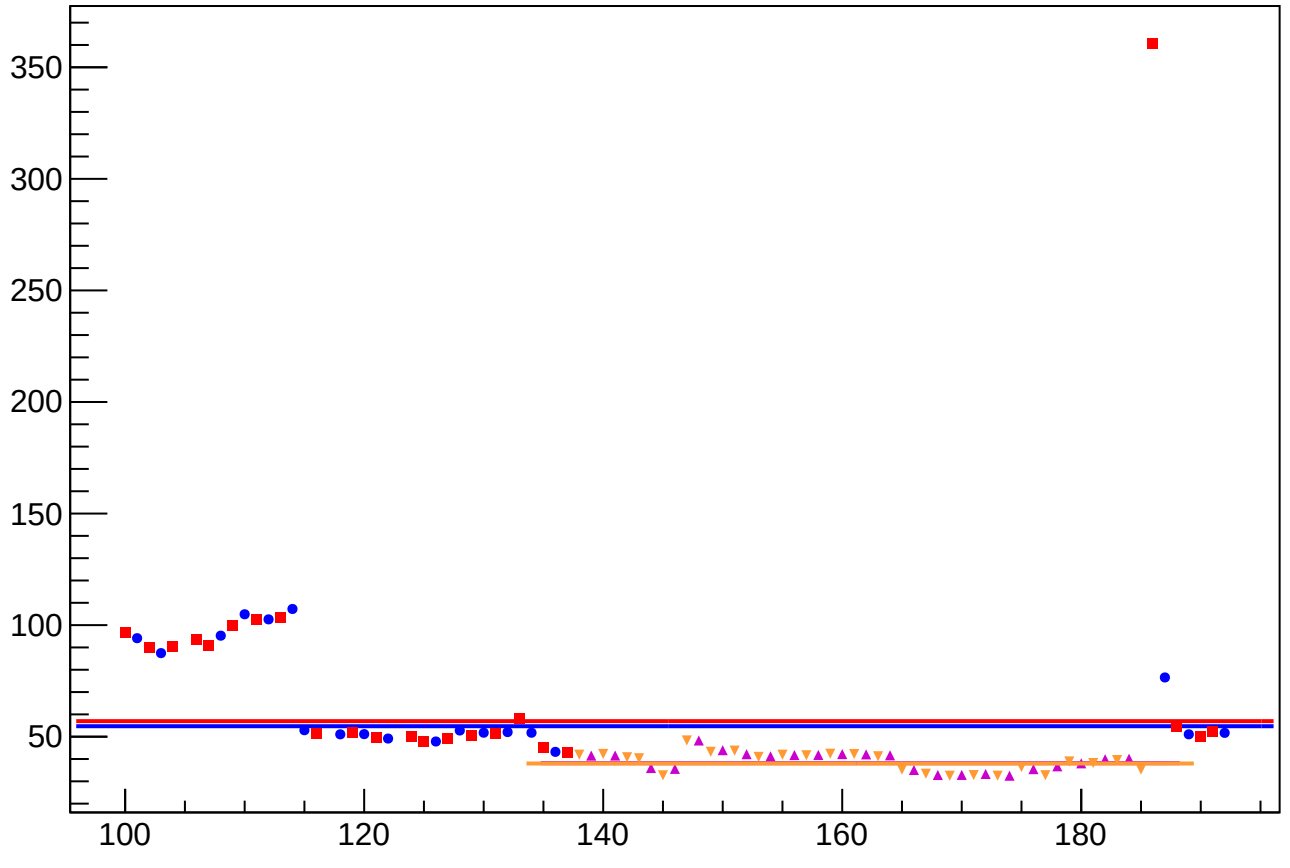
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -51.040+/-13.648 χ^2/NDF: 46.7/41

In: -8.832+/-8.115 χ^2/NDF:60.2/41

Out: 32.999+/-7.951 χ^2/NDF:72.3/47

All: 12.511+/-5.679 χ^2/NDF: 146.1/89



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: 56.967+/-0.014 χ^2/NDF: 1878688.4/22

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

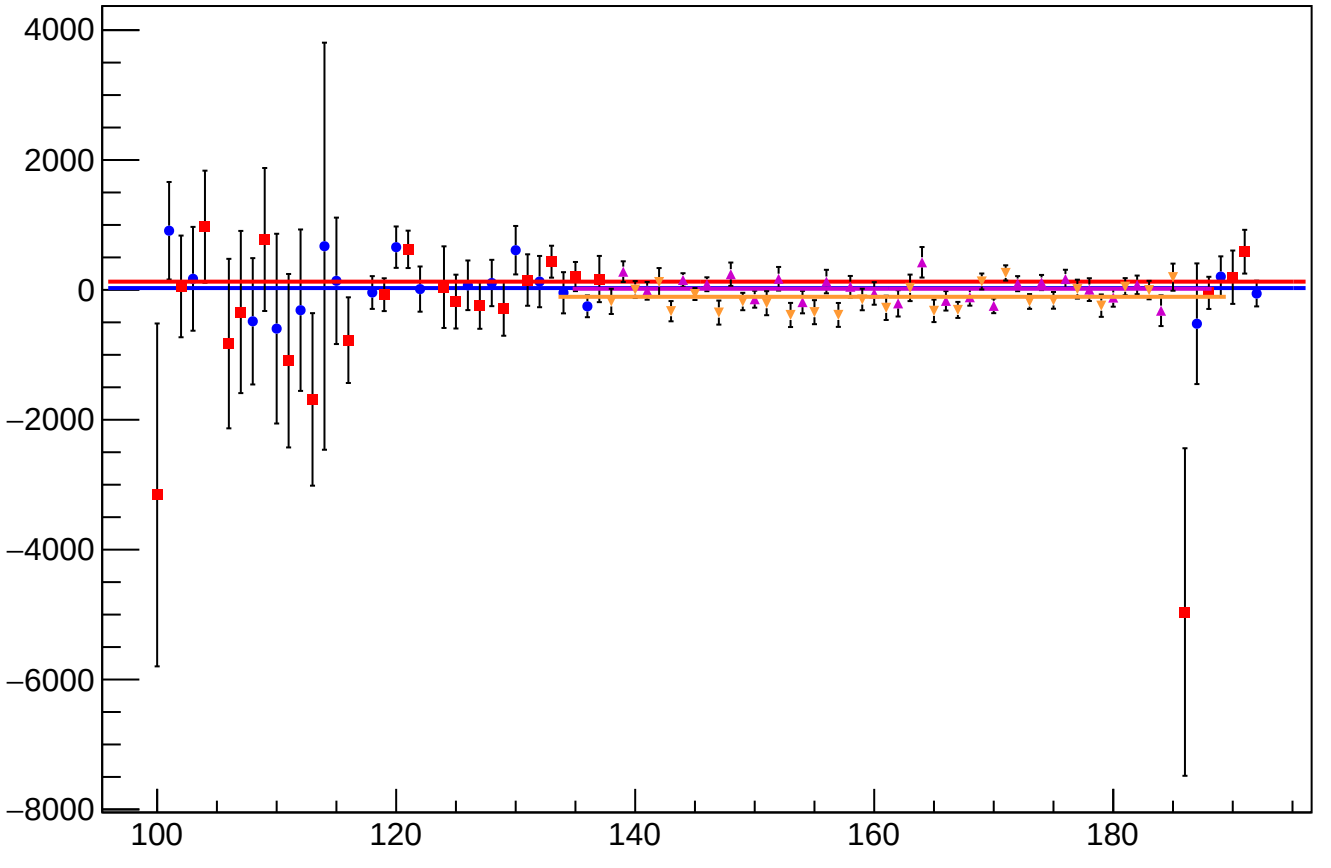
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 55.795+/-0.010 χ^2/NDF: 3088207.7/41

In: 41.152+/-0.006 χ^2/NDF:2865434.7/41

Out: 41.110+/-0.006 χ^2/NDF:3957464.3/47

All: 41.130+/-0.004 χ^2/NDF: 6822926.3/89



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: 126.947+/-84.485 χ^2/NDF: 22.5/22

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

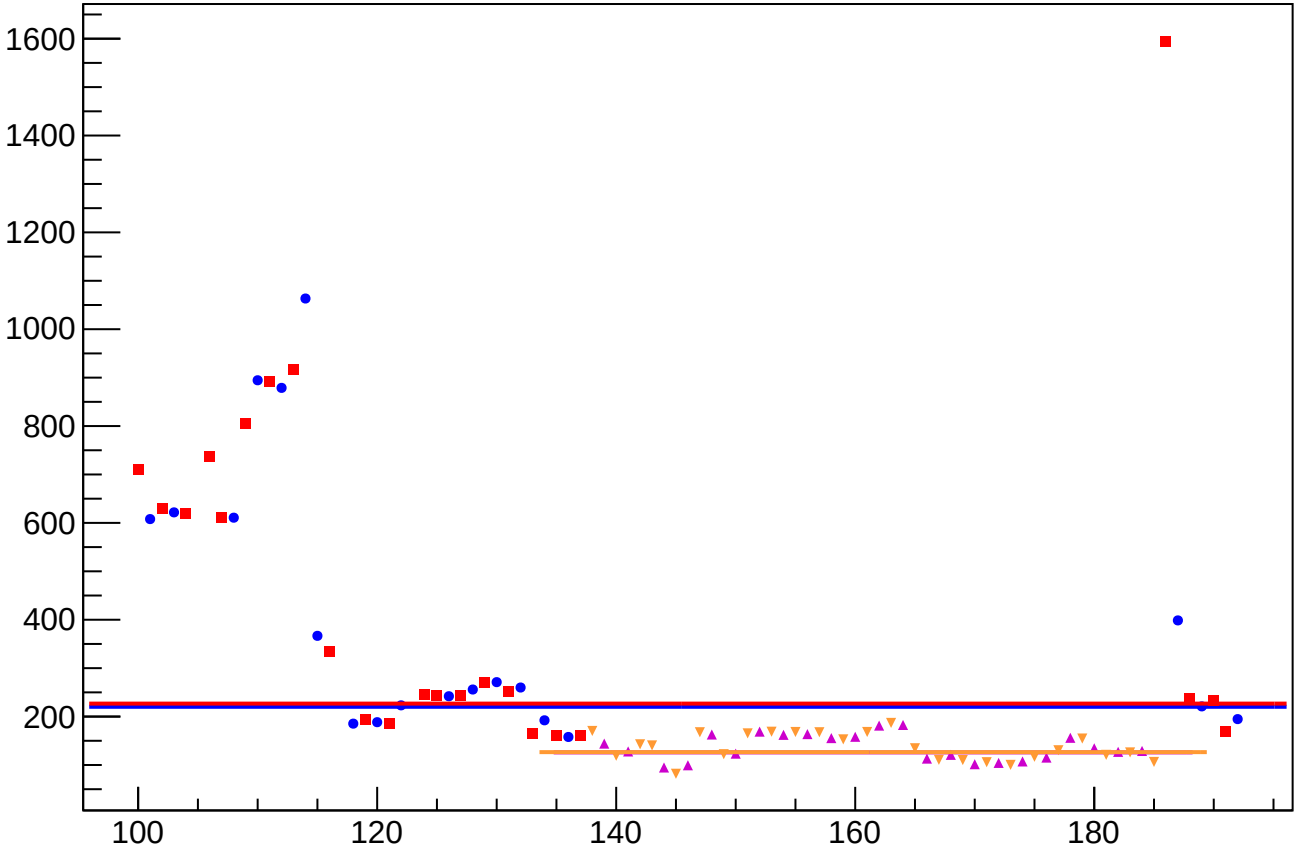
Right: 75.496+/-58.590 χ^2/NDF: 35.5/41

In: 18.765+/-28.299 χ^2/NDF:40.5/41

Out: -81.039+/-27.904 χ^2/NDF:66.9/47

All: -31.838+/-19.869 χ^2/NDF: 113.8/89

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



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: 226.771+/-0.060 χ^2/NDF: 4289220.9/22

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

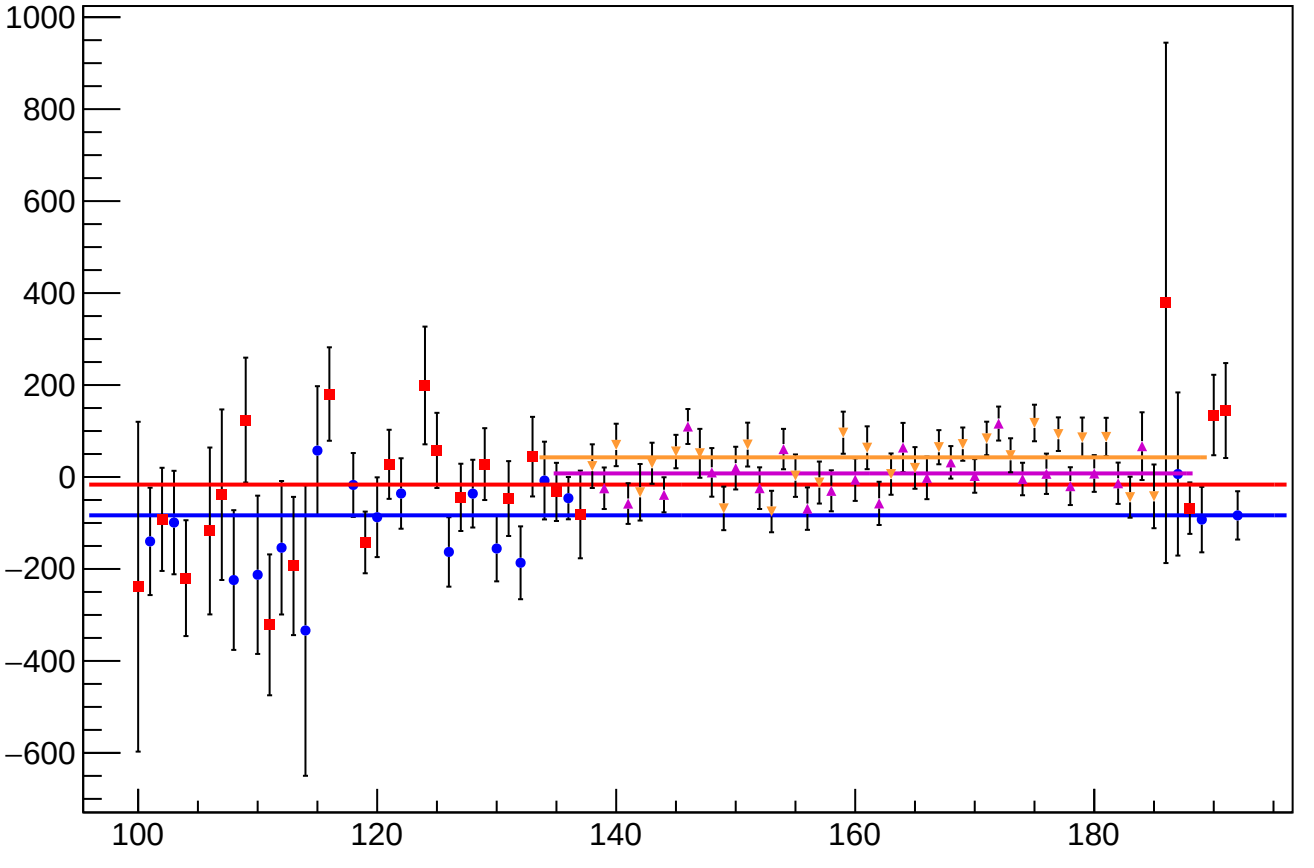
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 223.377+/-0.041 χ^2/NDF: 7373663.8/41

In: 137.423+/-0.020 χ^2/NDF:6848449.8/41

Out: 137.493+/-0.020 χ^2/NDF:8554229.9/47

All: 137.458+/-0.014 χ^2/NDF: 15402685.9/89



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: -16.515+/-19.611 χ^2/NDF: 29.9/22

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

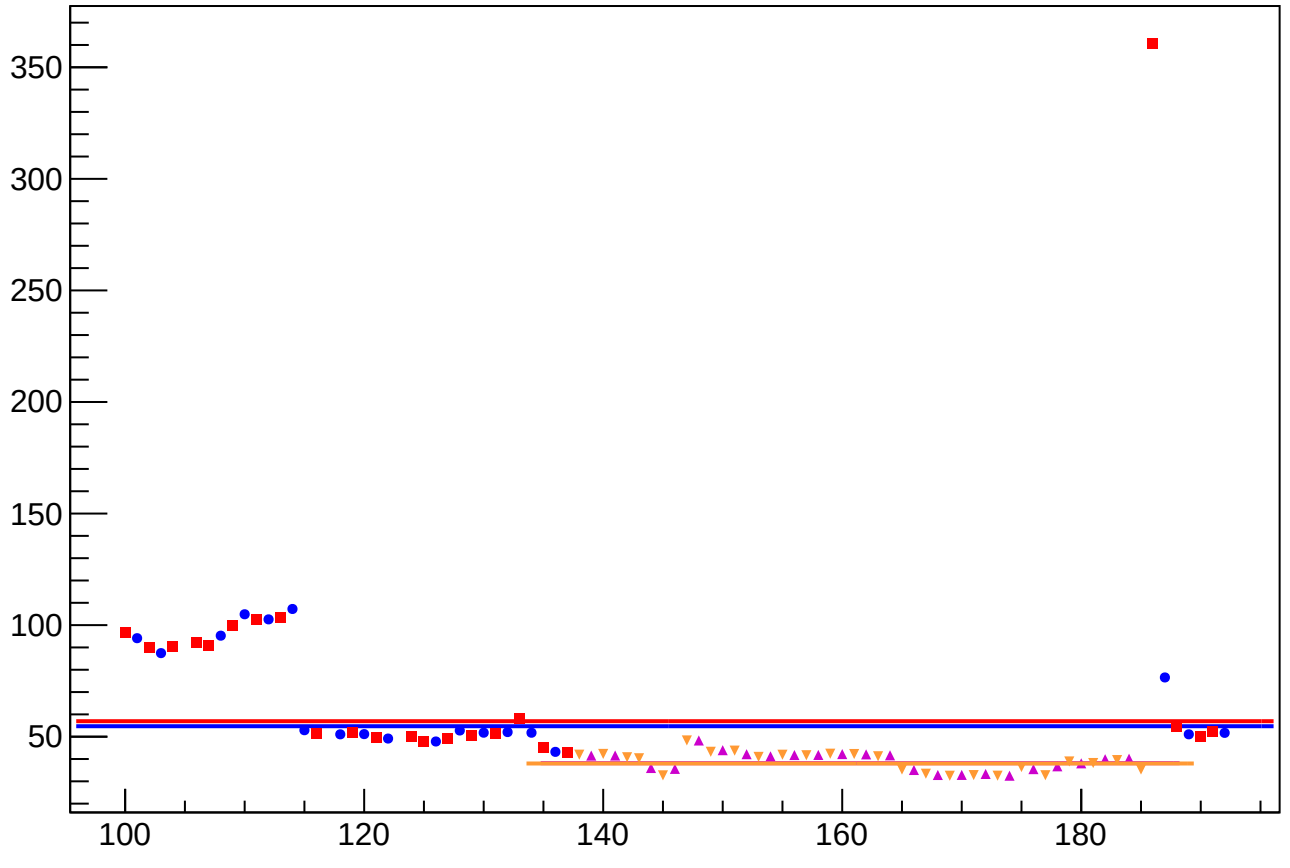
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -50.982+/-13.648 χ^2/NDF: 46.7/41

In: -8.831+/-8.115 χ^2/NDF:60.2/41

Out: 33.022+/-7.951 χ^2/NDF:72.2/47

All: 12.523+/-5.679 χ^2/NDF: 146.0/89



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: 56.944+/-0.014 χ^2/NDF: 1871152.2/22

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

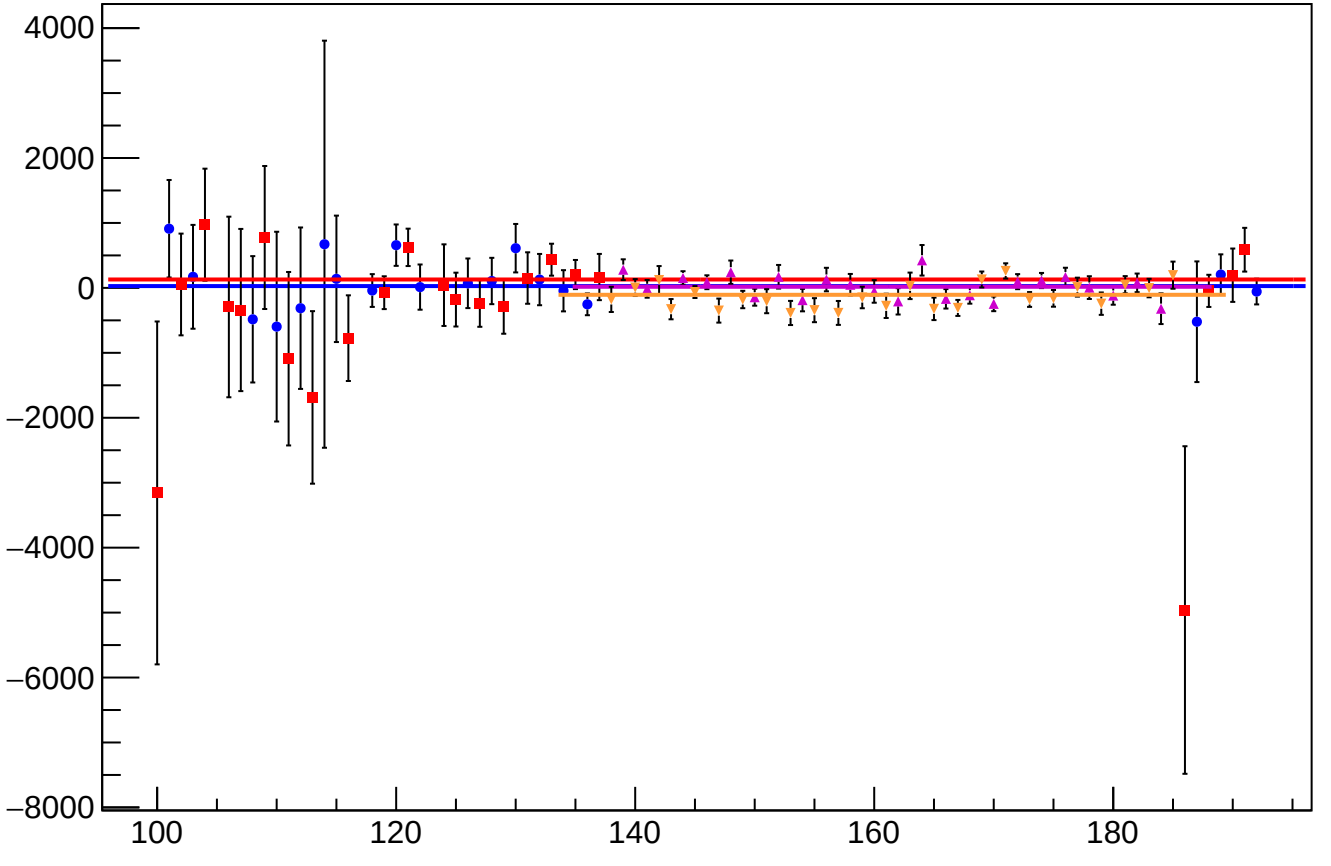
Right: 55.783+/-0.010 χ^2/NDF: 3080393.0/41

In: 41.152+/-0.006 χ^2/NDF:2865434.9/41

Out: 41.106+/-0.006 χ^2/NDF:3945957.6/47

All: 41.128+/-0.004 χ^2/NDF: 6811425.4/89

asym_sam_37_26_dd_cor_correction_mean vs Slug, Sign Corrected



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: 129.360+/-84.506 χ^2/NDF: 22.0/22

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

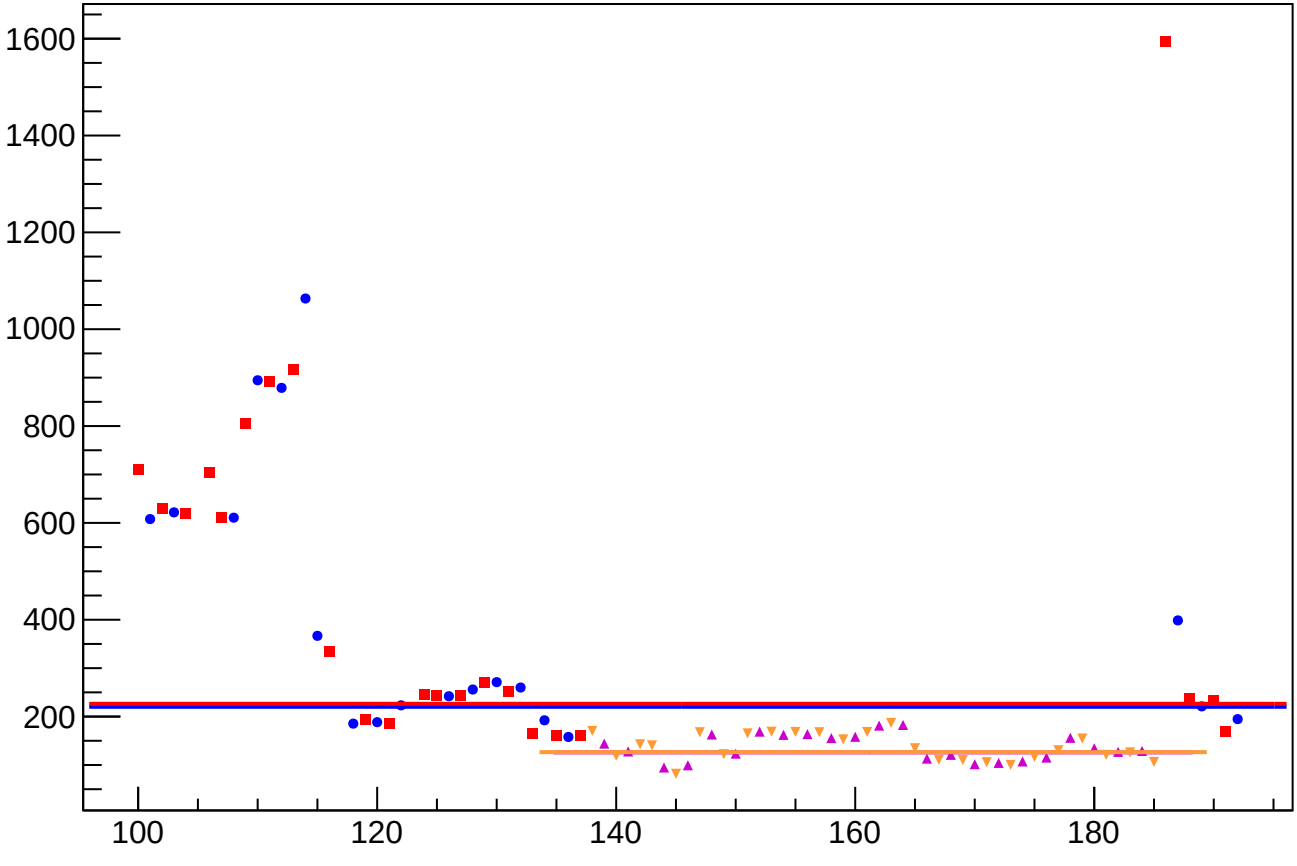
Right: 76.644+/-58.597 χ^2/NDF: 35.1/41

In: 18.765+/-28.299 χ^2/NDF:40.5/41

Out: -80.787+/-27.905 χ^2/NDF:66.6/47

All: -31.708+/-19.870 χ^2/NDF: 113.4/89

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: 226.398+/-0.060 χ^2/NDF: 4220402.3/22

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

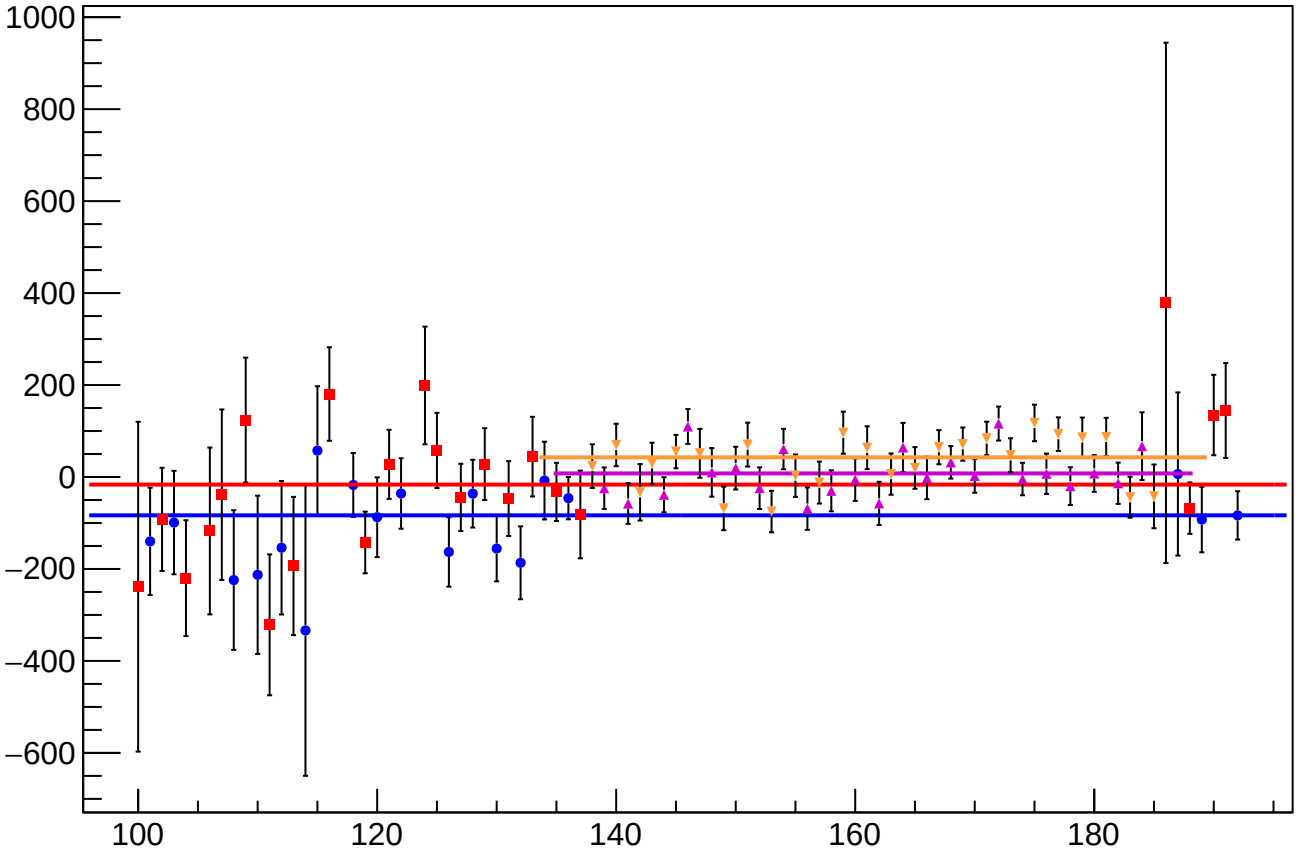
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 223.197+/-0.041 χ^2/NDF: 7304158.5/41

In: 137.422+/-0.020 χ^2/NDF:6848471.7/41

Out: 137.447+/-0.020 χ^2/NDF:8465638.8/47

All: 137.435+/-0.014 χ^2/NDF: 15314111.3/89



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: -16.515+/-19.611 χ^2/NDF: 29.9/22

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

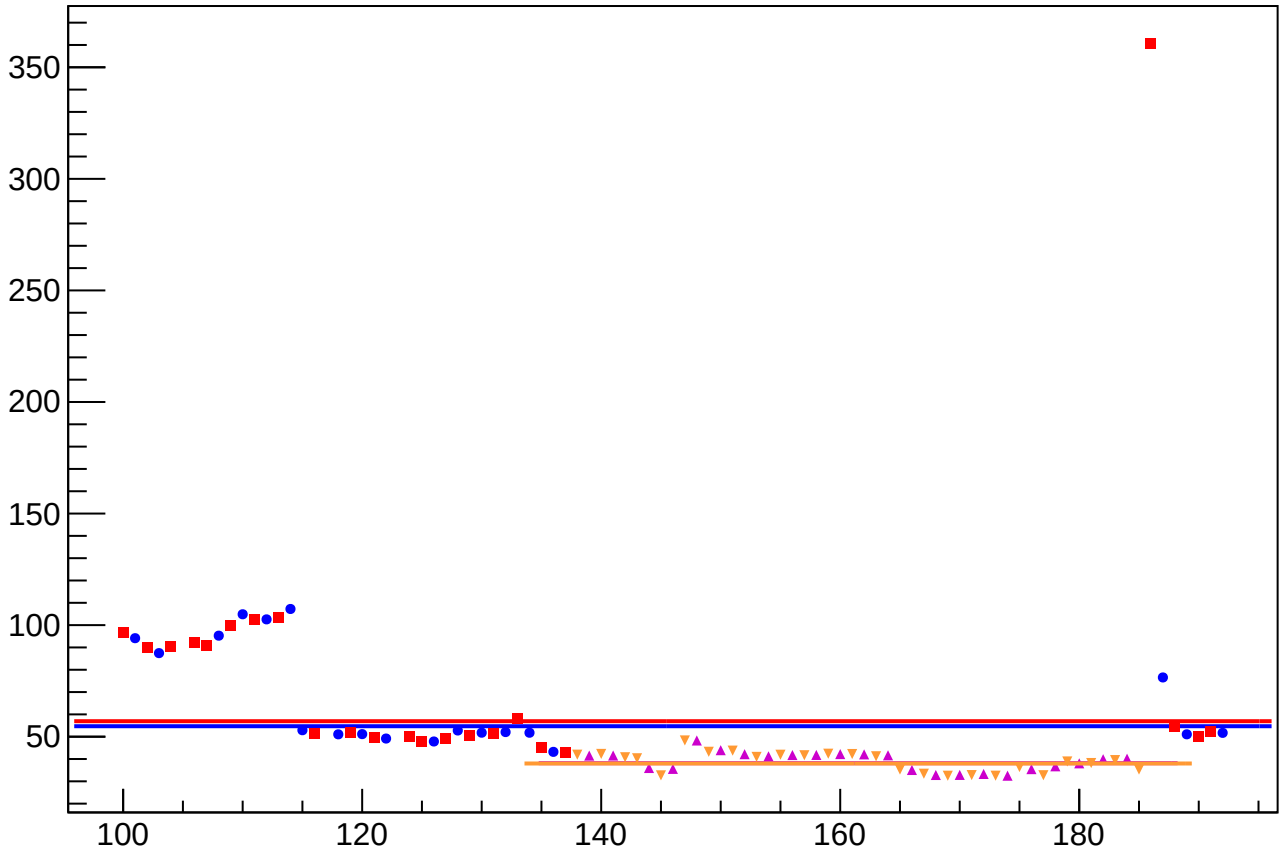
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -50.982+/-13.648 χ^2/NDF: 46.7/41

In: -8.831+/-8.115 χ^2/NDF:60.2/41

Out: 33.022+/-7.951 χ^2/NDF:72.2/47

All: 12.523+/-5.679 χ^2/NDF: 146.0/89



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: 56.944+/-0.014 χ^2/NDF: 1871152.2/22

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

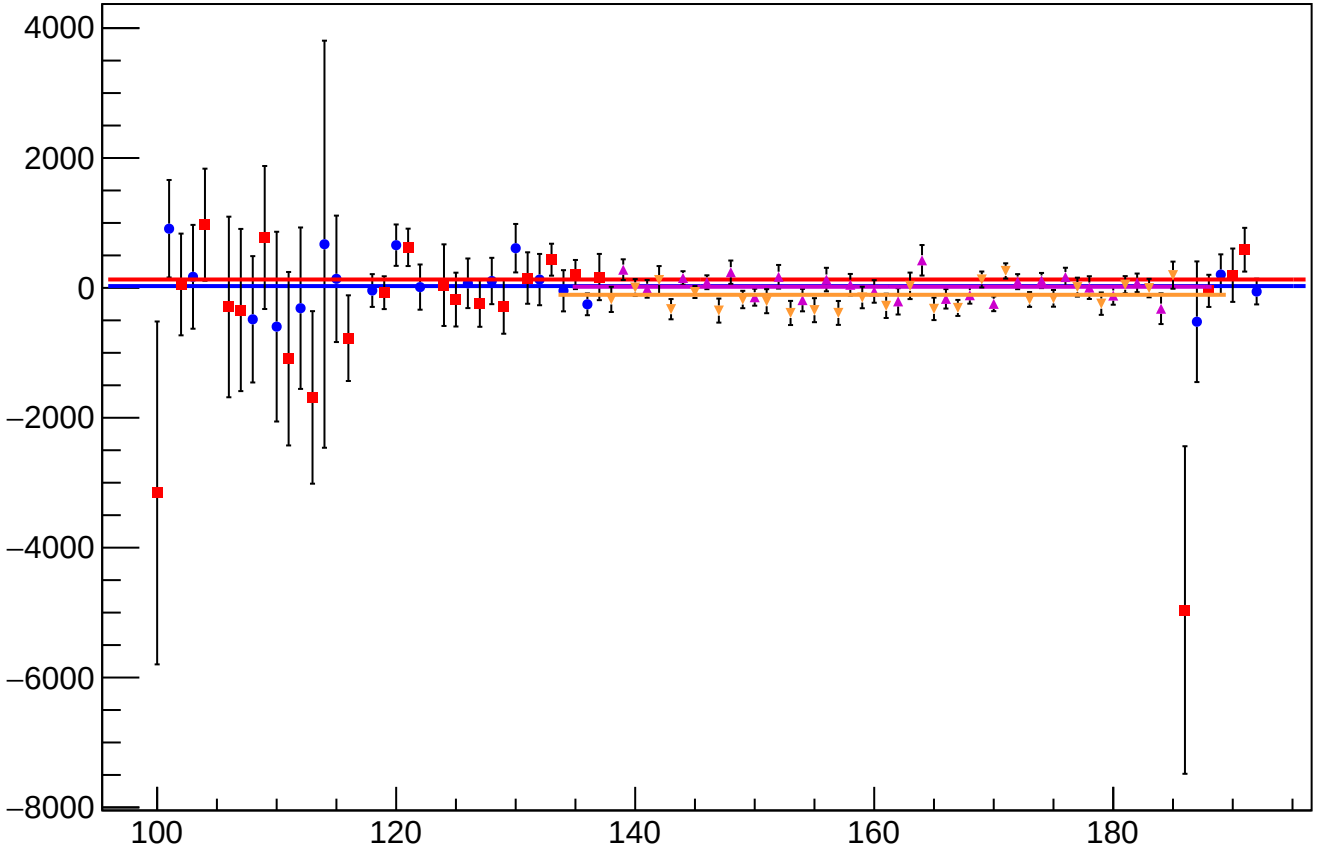
Right: 55.783+/-0.010 χ^2/NDF: 3080393.0/41

In: 41.152+/-0.006 χ^2/NDF:2865434.9/41

Out: 41.106+/-0.006 χ^2/NDF:3945957.6/47

All: 41.128+/-0.004 χ^2/NDF: 6811425.4/89

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 129.360+/-84.506 χ^2/NDF: 22.0/22

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

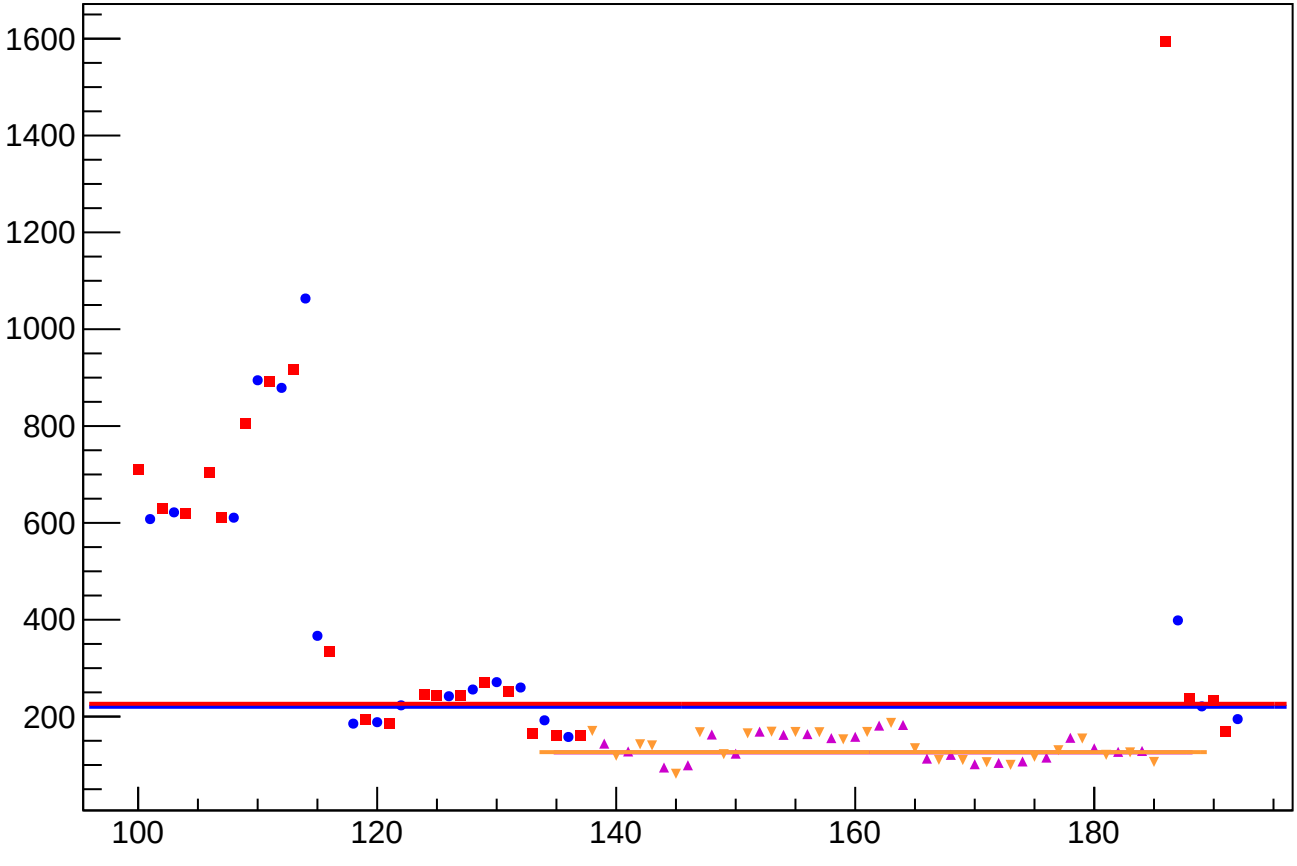
Right: 76.644+/-58.597 χ^2/NDF: 35.1/41

In: 18.765+/-28.299 χ^2/NDF:40.5/41

Out: -80.787+/-27.905 χ^2/NDF:66.6/47

All: -31.708+/-19.870 χ^2/NDF: 113.4/89

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: 226.398+/-0.060 χ^2/NDF: 4220402.3/22

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

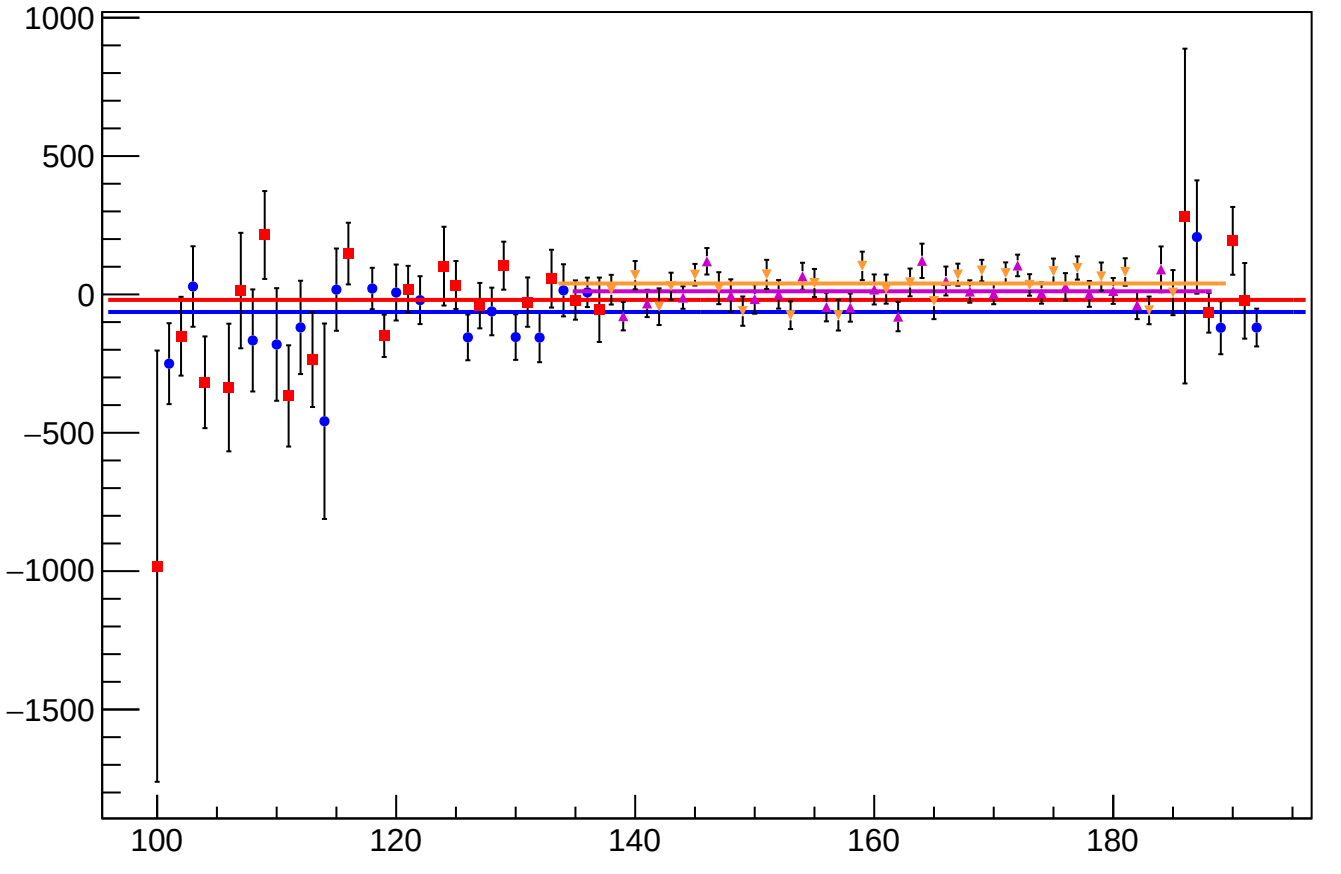
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 223.197+/-0.041 χ^2/NDF: 7304158.5/41

In: 137.422+/-0.020 χ^2/NDF:6848471.7/41

Out: 137.447+/-0.020 χ^2/NDF:8465638.8/47

All: 137.435+/-0.014 χ^2/NDF: 15314111.3/89



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: -19.806+/-22.960 χ^2/NDF: 27.8/22

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

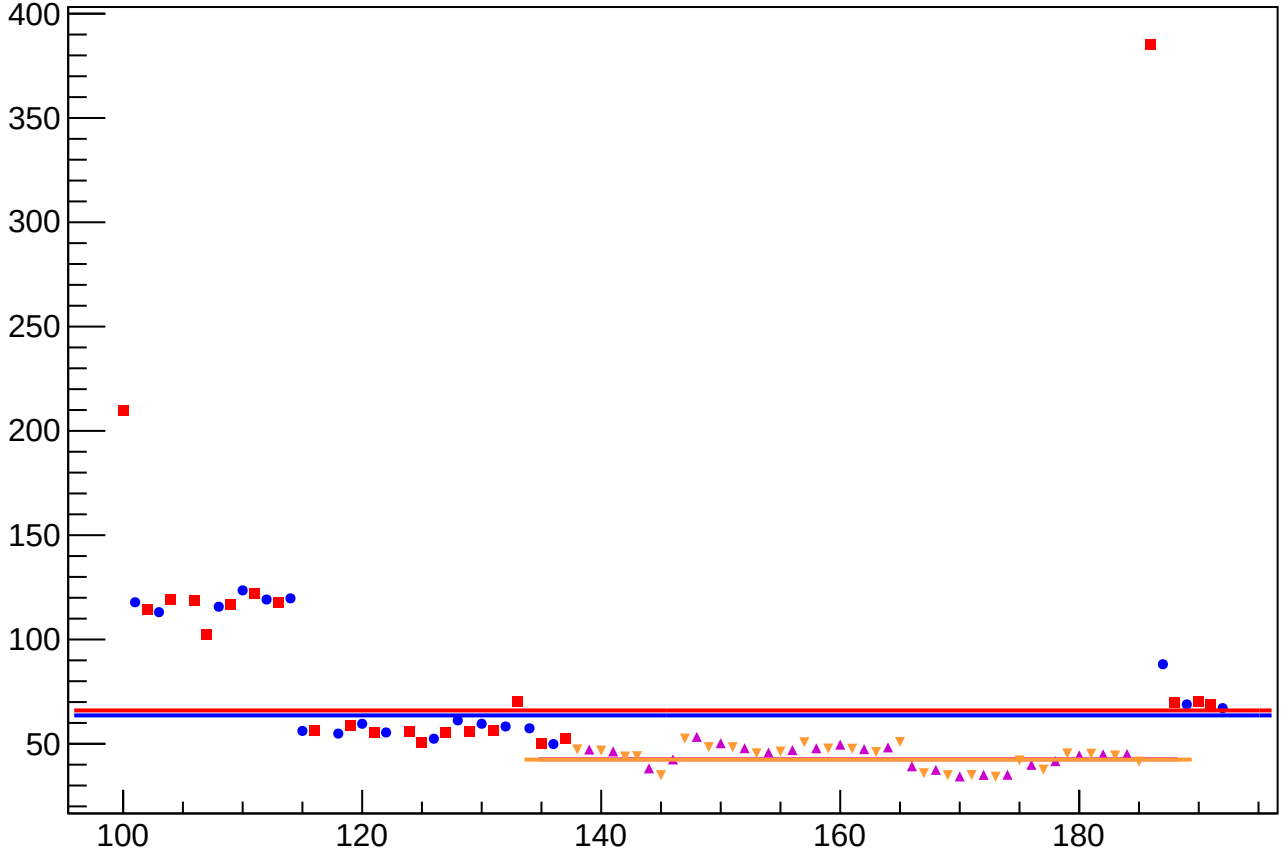
Right: -42.309+/-15.988 χ^2/NDF: 44.8/41

In: -1.400+/-9.181 χ^2/NDF:52.4/41

Out: 30.500+/-8.971 χ^2/NDF:63.1/47

All: 14.921+/-6.416 χ^2/NDF: 121.7/89

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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: 65.997+/-0.016 χ^2/NDF: 2162221.2/22

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

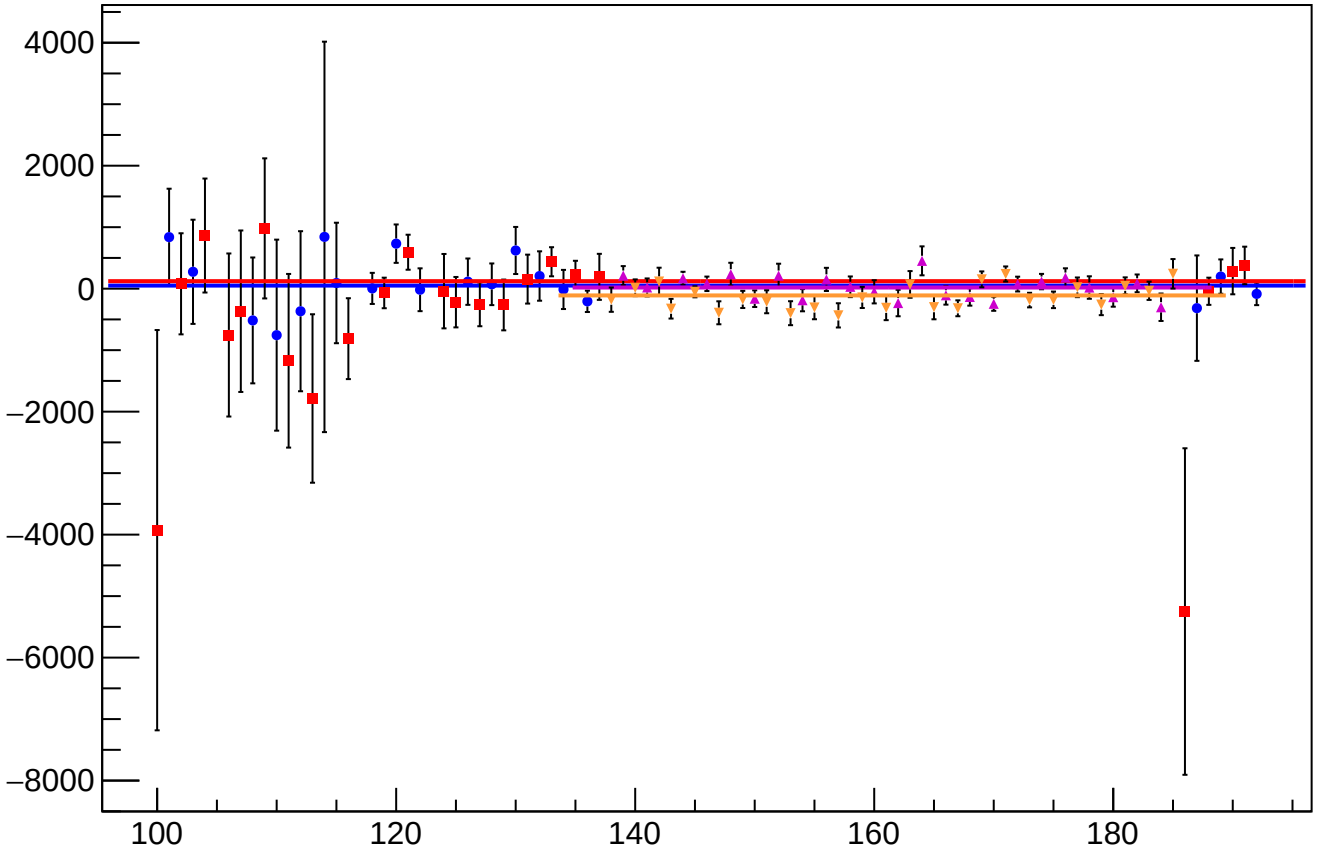
Right: 64.771+/-0.011 χ^2/NDF: 3565790.1/41

In: 46.152+/-0.006 χ^2/NDF:3462986.8/41

Out: 46.024+/-0.006 χ^2/NDF:4647115.3/47

All: 46.087+/-0.005 χ^2/NDF: 8110300.9/89

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



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: 122.209+/-81.657 χ^2/NDF: 21.9/22

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

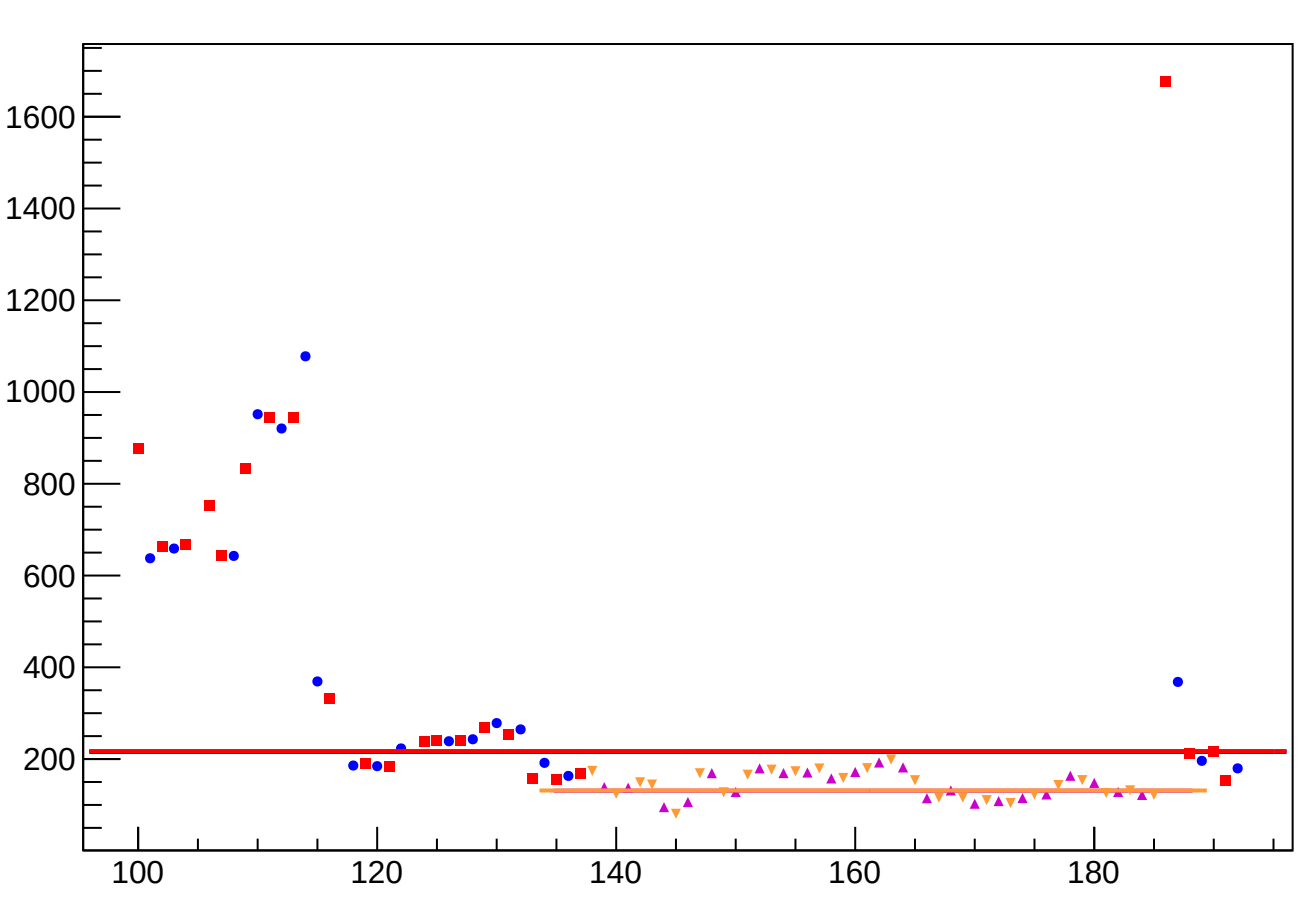
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 85.511+/-57.149 χ^2/NDF: 34.6/41

In: 23.051+/-29.291 χ^2/NDF:39.6/41

Out: -81.032+/-28.784 χ^2/NDF:65.2/47

All: -29.899+/-20.531 χ^2/NDF: 111.3/89



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: 217.442+/-0.058 χ^2/NDF: 4545729.7/22

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

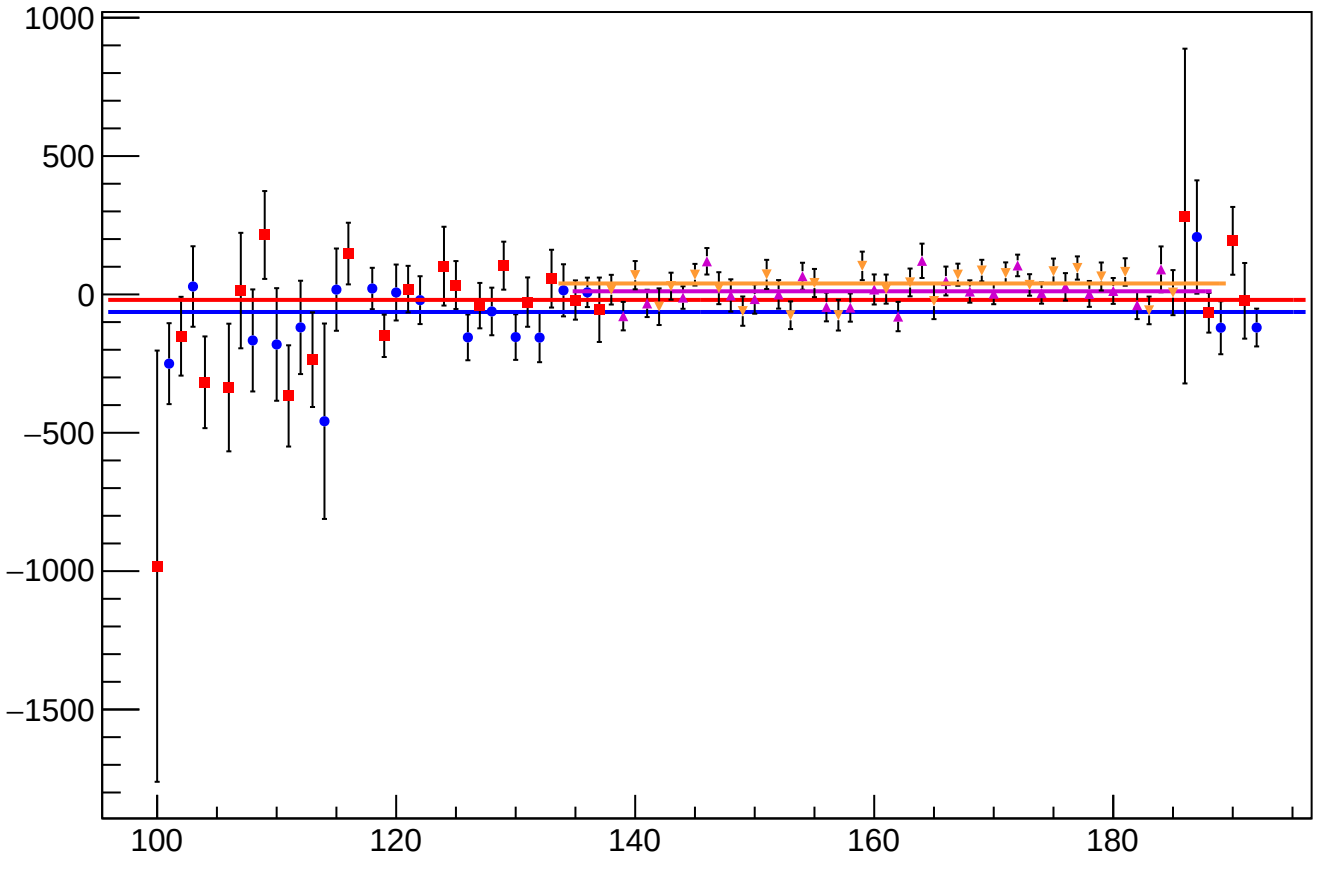
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 216.510+/-0.040 χ^2/NDF: 7745062.7/41

In: 142.405+/-0.021 χ^2/NDF:6600306.5/41

Out: 142.192+/-0.020 χ^2/NDF:8388158.8/47

All: 142.297+/-0.015 χ^2/NDF: 14988518.8/89



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: -19.808+/-22.960 χ^2/NDF: 27.8/22

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

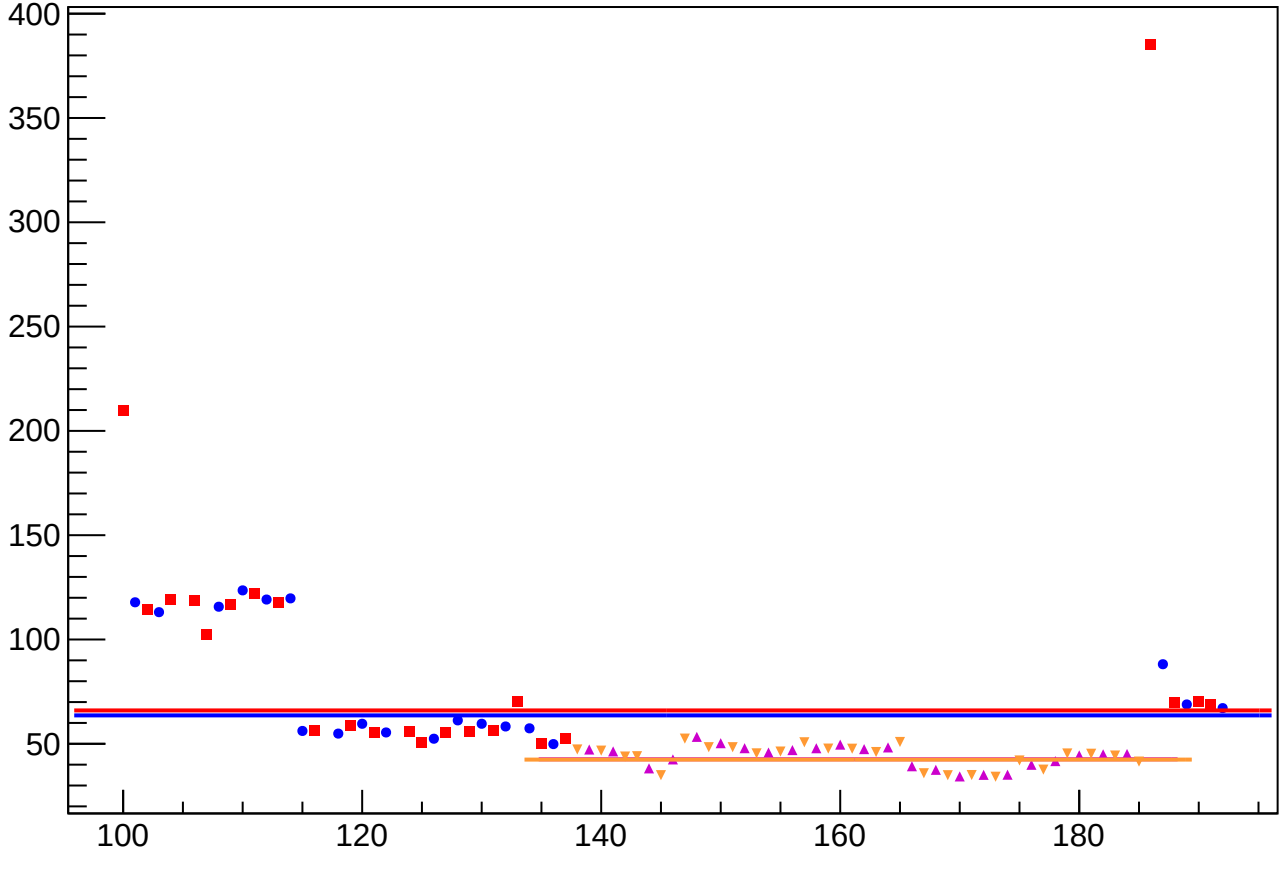
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -42.310+/-15.988 χ^2/NDF: 44.8/41

In: -1.400+/-9.181 χ^2/NDF:52.4/41

Out: 30.501+/-8.971 χ^2/NDF:63.1/47

All: 14.921+/-6.416 χ^2/NDF: 121.7/89



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: 65.997+/-0.016 χ^2/NDF: 2162206.5/22

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

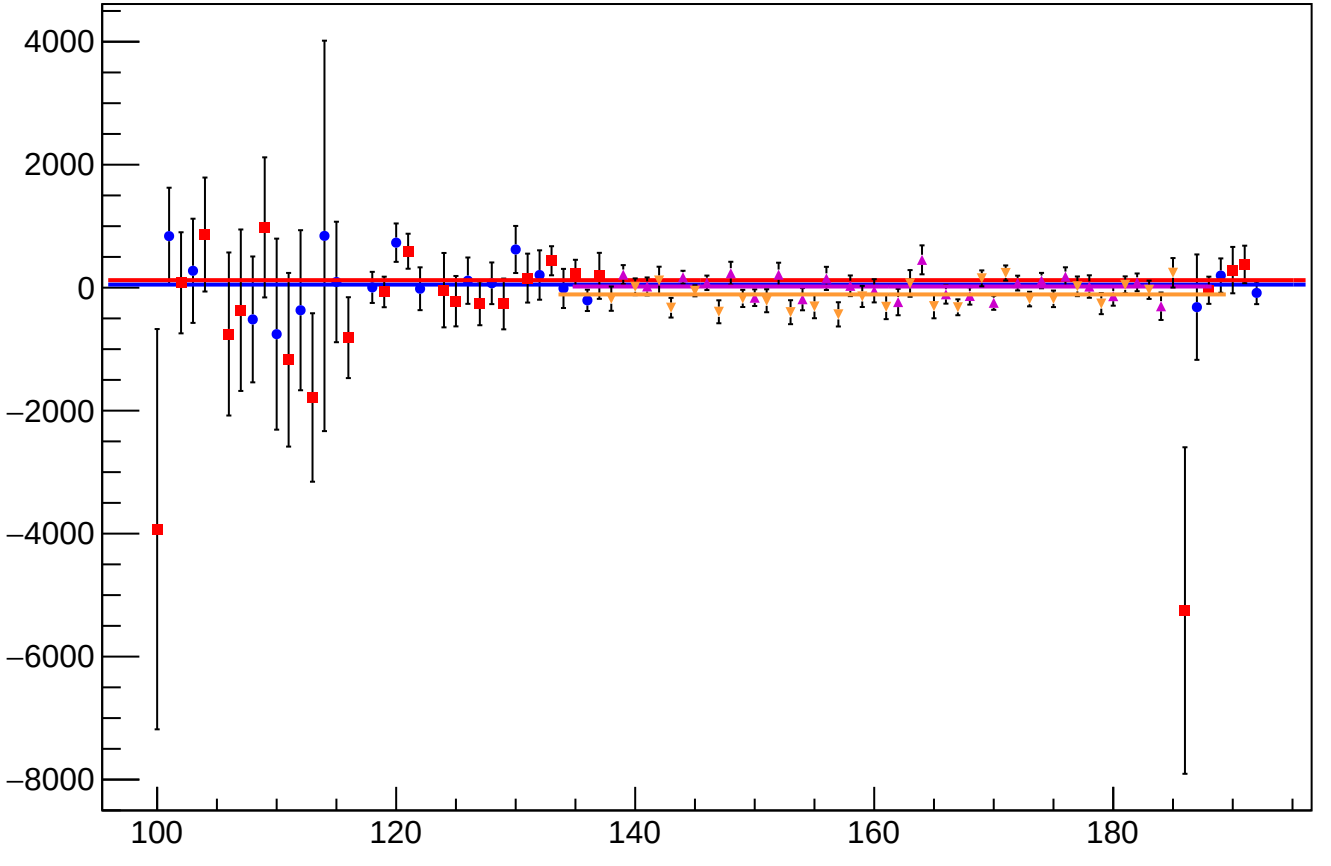
Right: 64.771+/-0.011 χ^2/NDF: 3565767.4/41

In: 46.152+/-0.006 χ^2/NDF:3462937.4/41

Out: 46.024+/-0.006 χ^2/NDF:4647106.3/47

All: 46.087+/-0.005 χ^2/NDF: 8110242.8/89

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 122.207+/-81.656 χ^2/NDF: 21.9/22

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

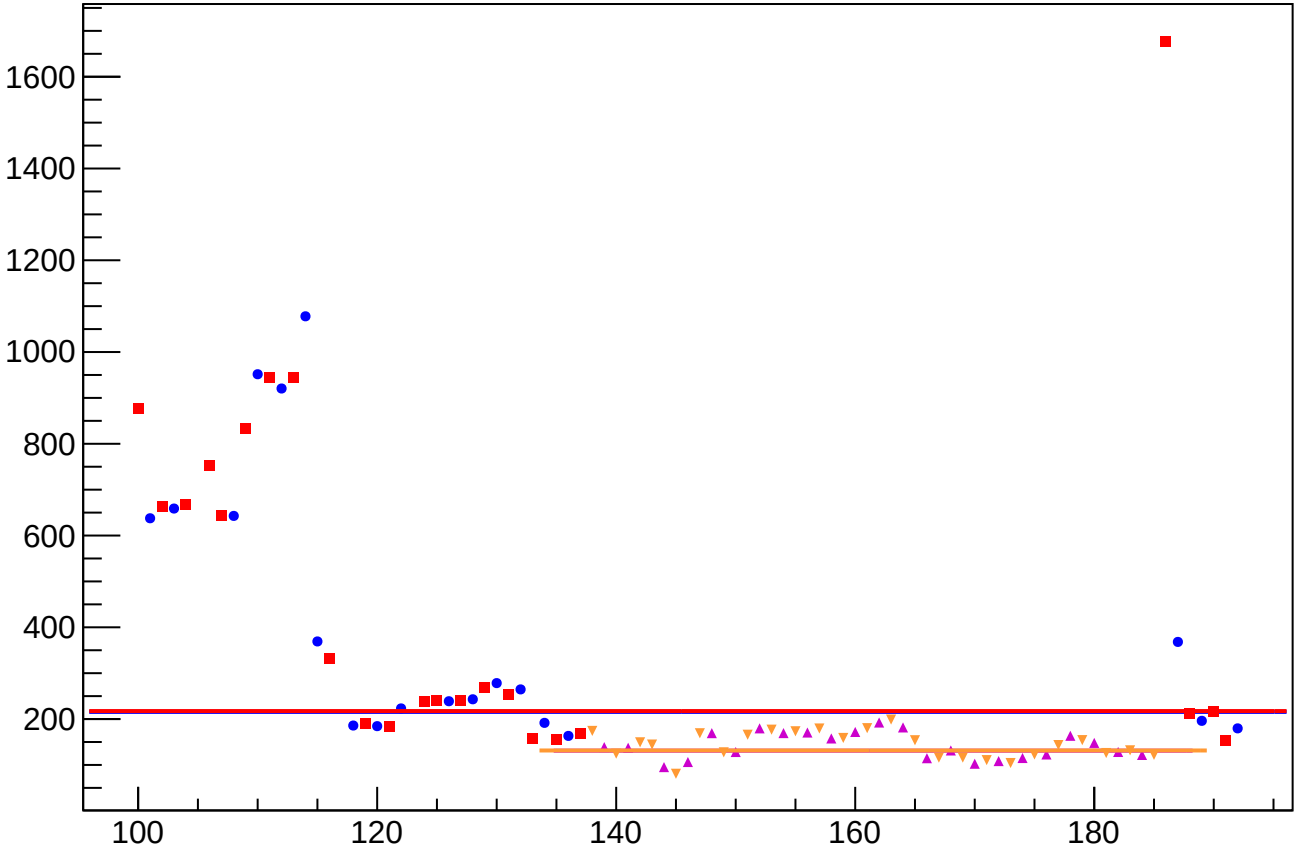
Right: 85.510+/-57.149 χ^2/NDF: 34.6/41

In: 23.052+/-29.291 χ^2/NDF:39.6/41

Out: -81.031+/-28.784 χ^2/NDF:65.2/47

All: -29.899+/-20.531 χ^2/NDF: 111.3/89

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: 217.442+/-0.058 χ^2/NDF: 4545712.0/22

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

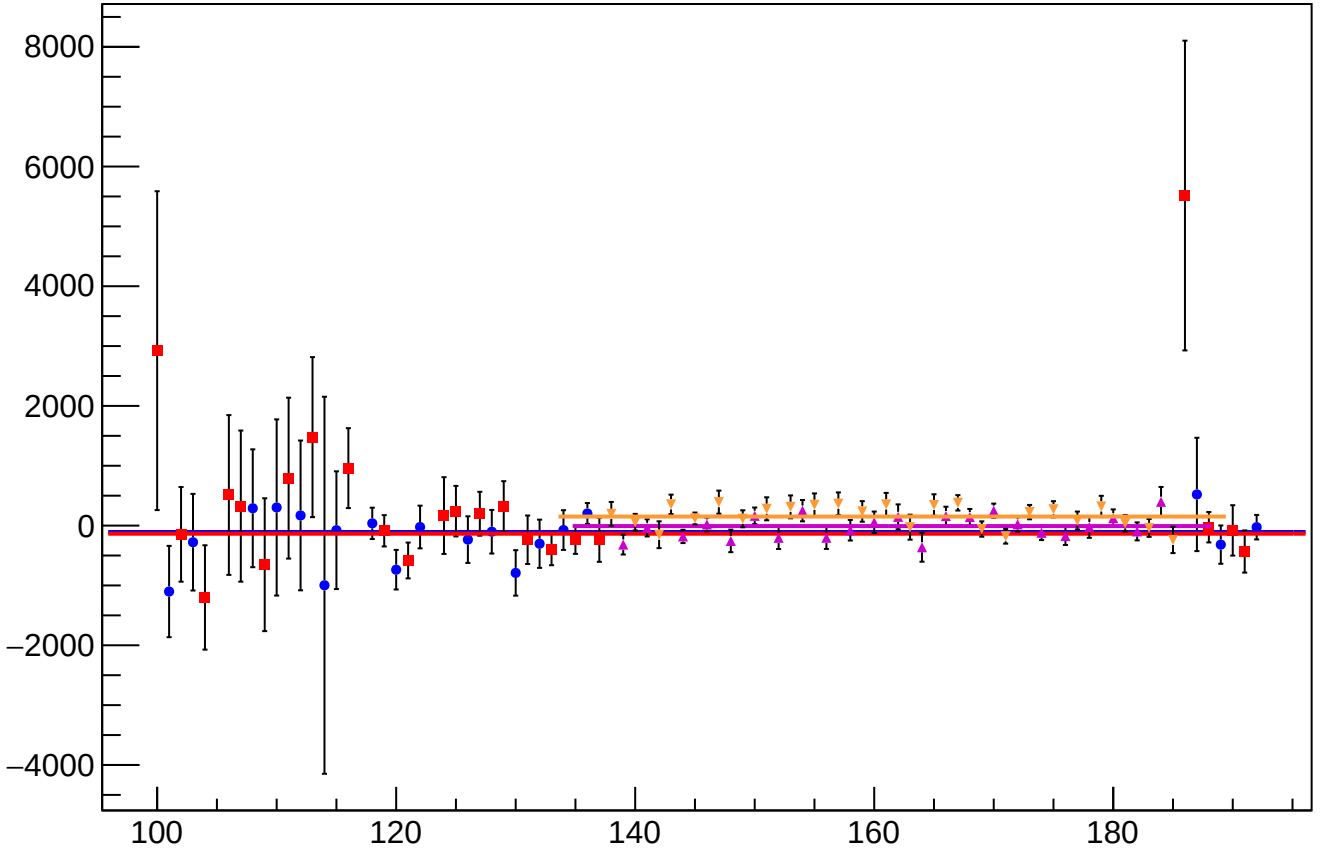
Right: 216.510+/-0.040 χ^2/NDF: 7745034.8/41

In: 142.405+/-0.021 χ^2/NDF:6600284.0/41

Out: 142.193+/-0.020 χ^2/NDF:8388127.1/47

All: 142.297+/-0.015 χ^2/NDF: 14988464.5/89

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: -135.615+/-87.376 χ^2/NDF: 20.3/22

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

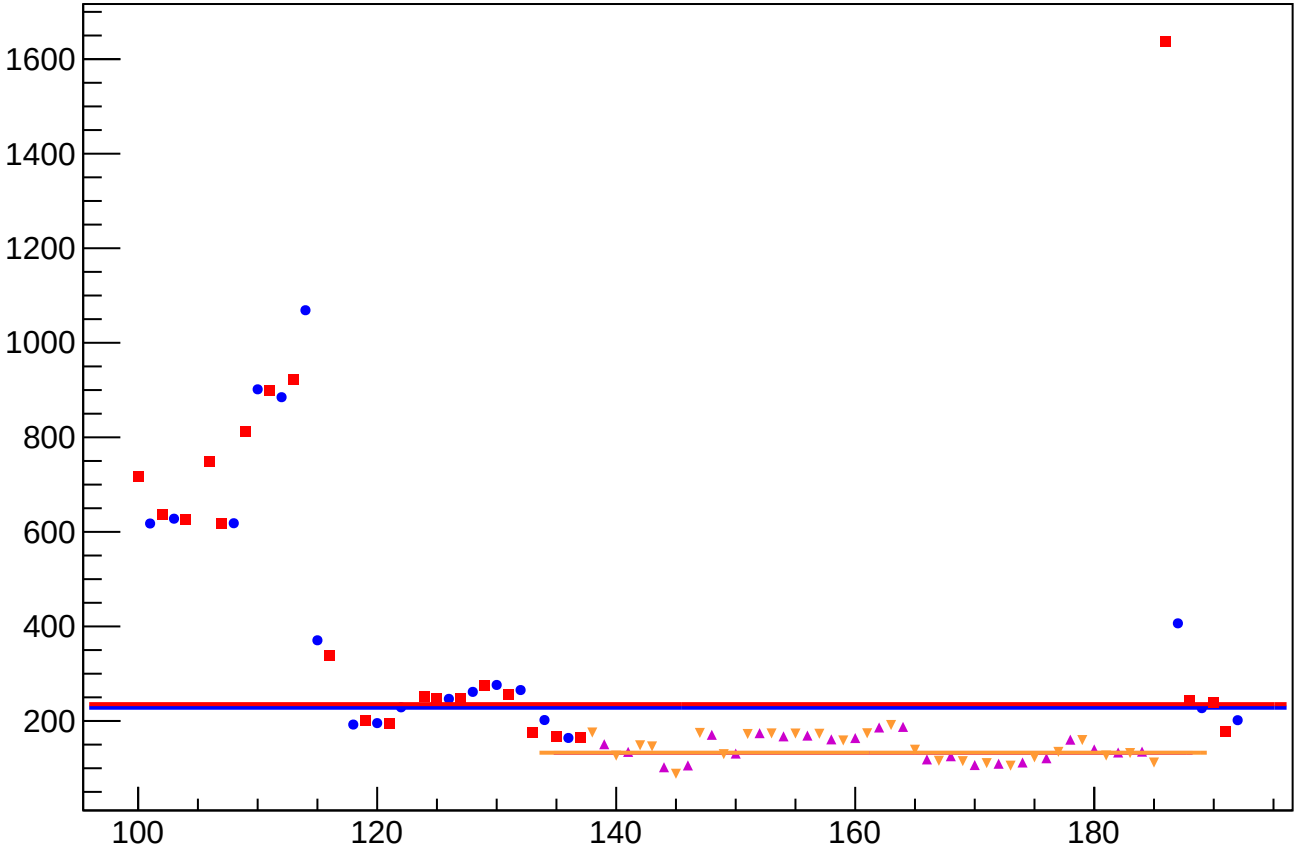
Right: -120.593+/-60.528 χ^2/NDF: 34.3/41

In: -20.222+/-29.591 χ^2/NDF:44.5/41

Out: 119.141+/-29.175 χ^2/NDF:63.0/47

All: 50.445+/-20.775 χ^2/NDF: 118.8/89

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: 235.635+/-0.062 χ^2/NDF: 4163470.9/22

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

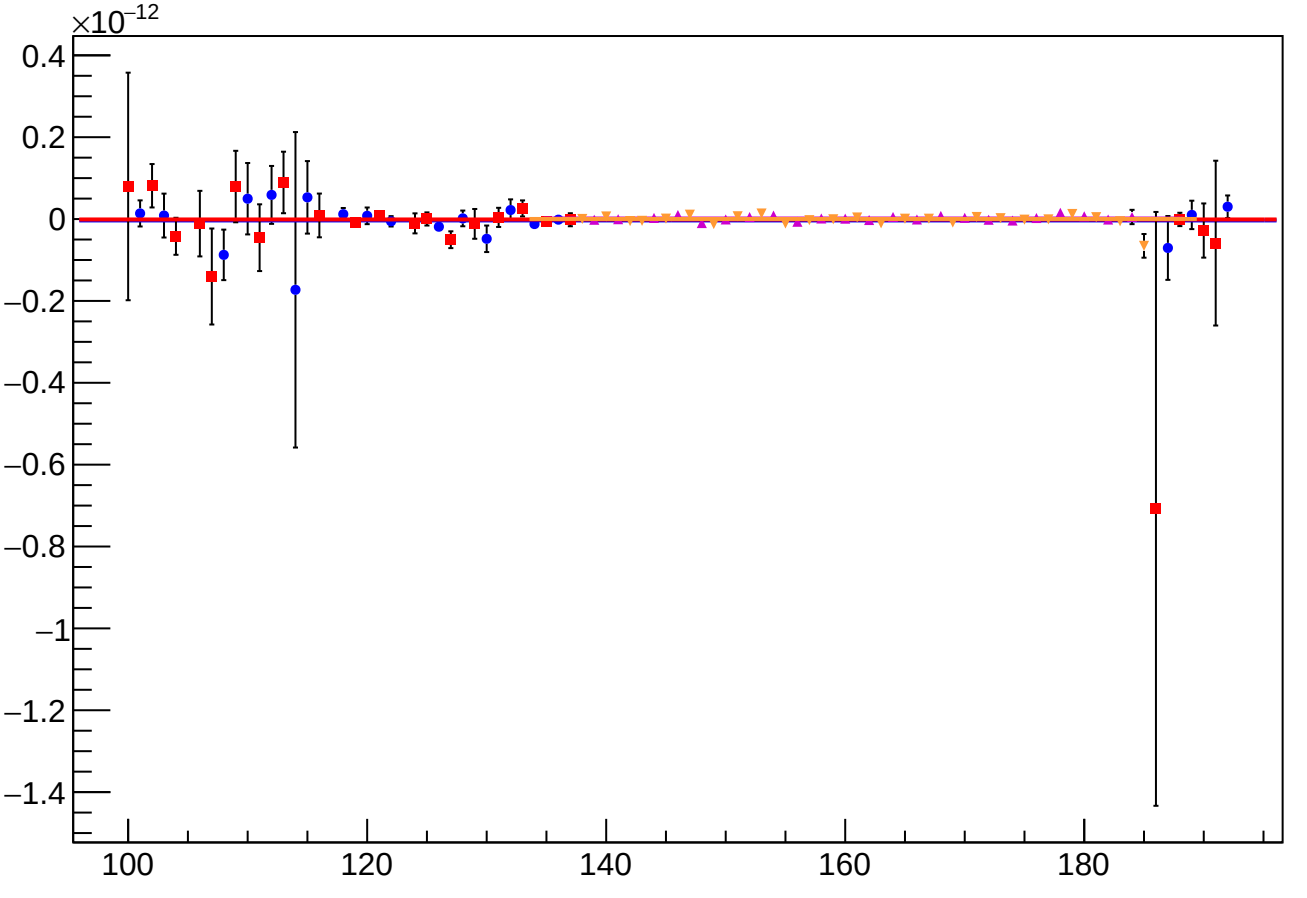
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 231.678+/-0.043 χ^2/NDF: 7164636.4/41

In: 144.236+/-0.021 χ^2/NDF:6547482.2/41

Out: 144.333+/-0.021 χ^2/NDF:8213615.8/47

All: 144.285+/-0.015 χ^2/NDF: 14761108.8/89



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: 19.3/22

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

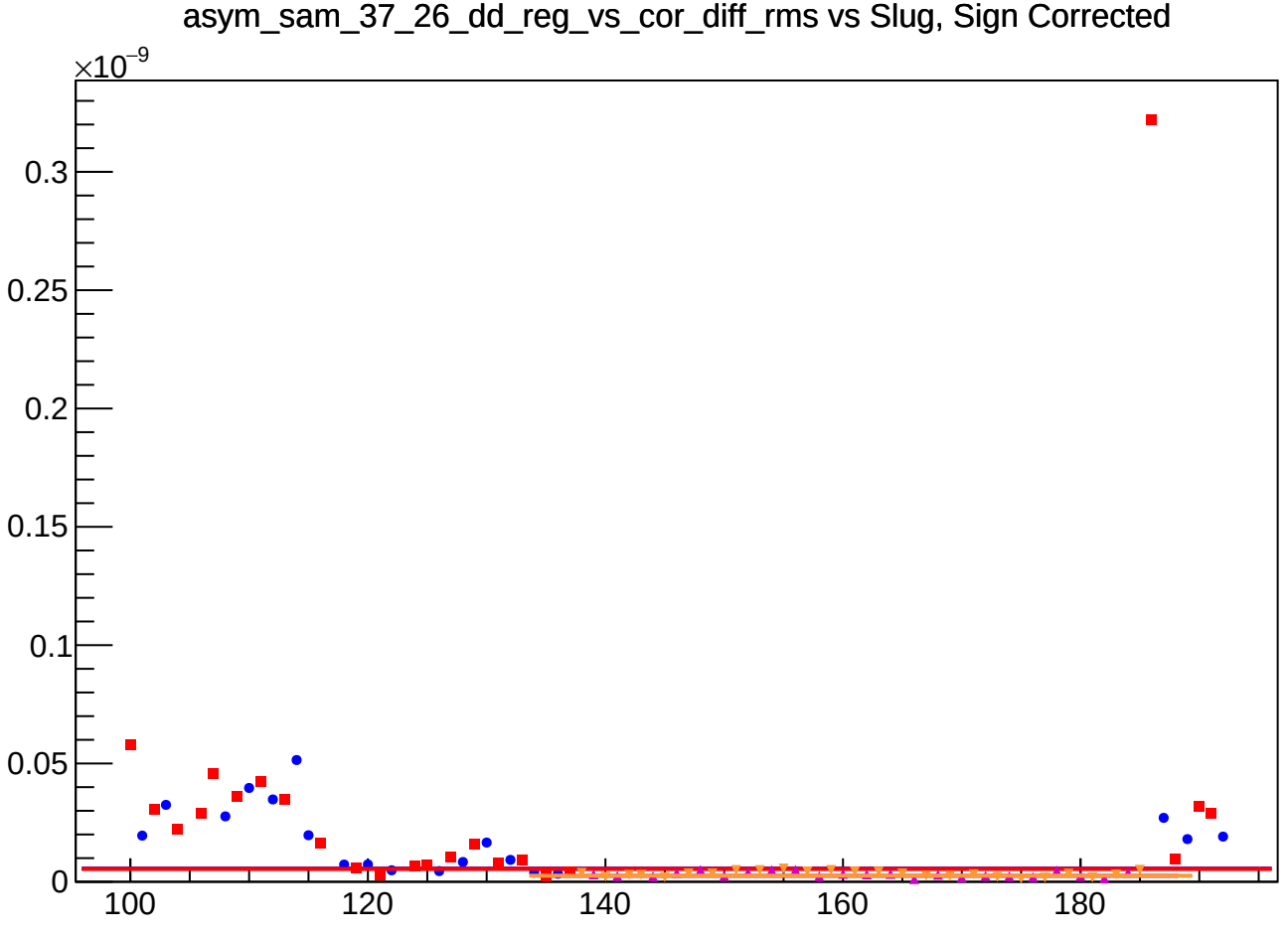
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 33.3/41

In: 0.000+/-0.000 χ^2/NDF:30.3/41

Out: 0.000+/-0.000 χ^2/NDF:51.6/47

All: 0.000+/-0.000 χ^2/NDF: 82.2/89



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: 4103366.0/22

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

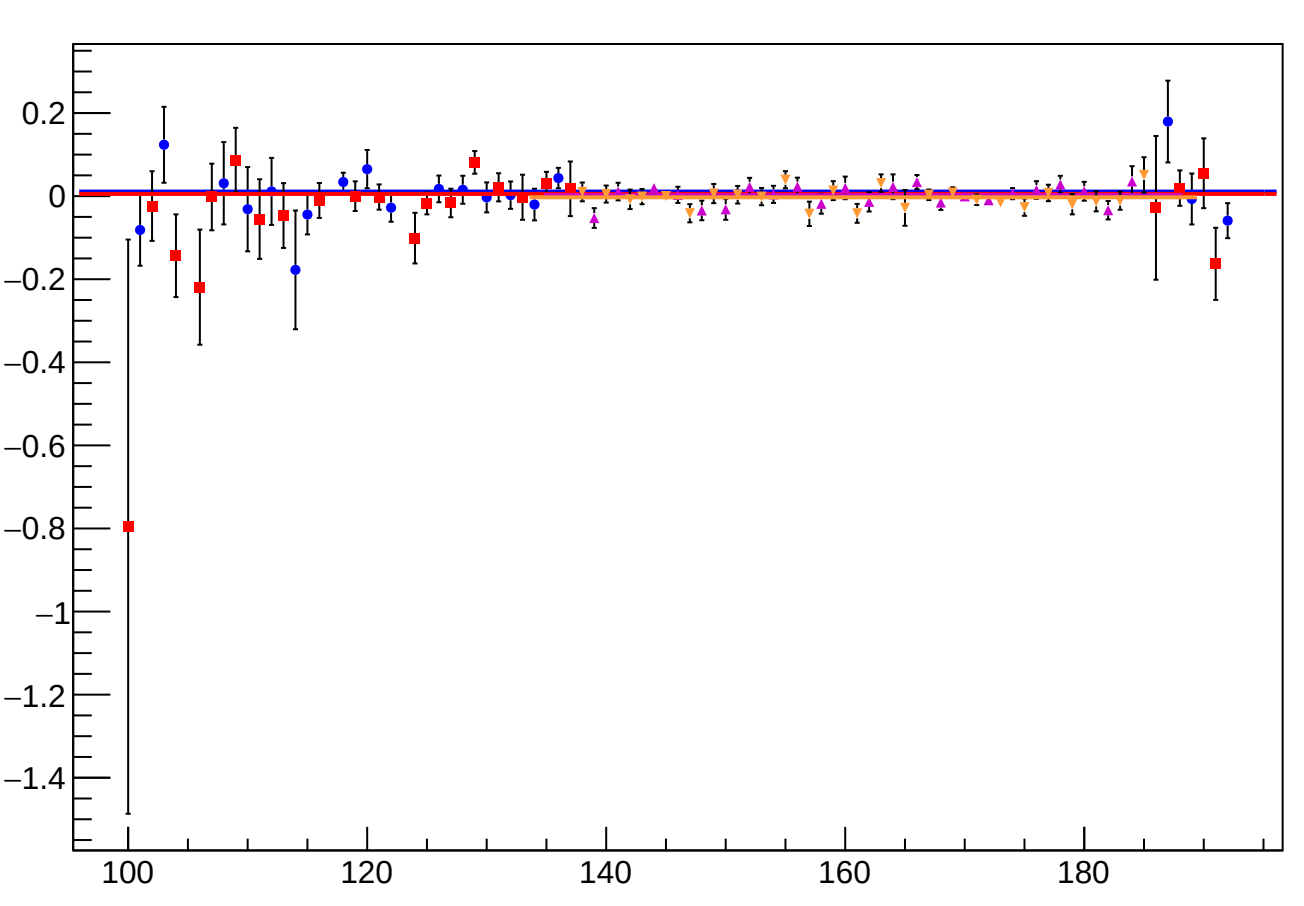
Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

Right: 0.000+/-0.000 χ^2/NDF: 7641298.1/41

In: 0.000+/-0.000 χ^2/NDF:6387658.2/41

Out: 0.000+/-0.000 χ^2/NDF:7322084.0/47

All: 0.000+/-0.000 χ^2/NDF: 13709742.4/89



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: 0.005+/-0.010 χ^2/NDF: 25.7/22

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

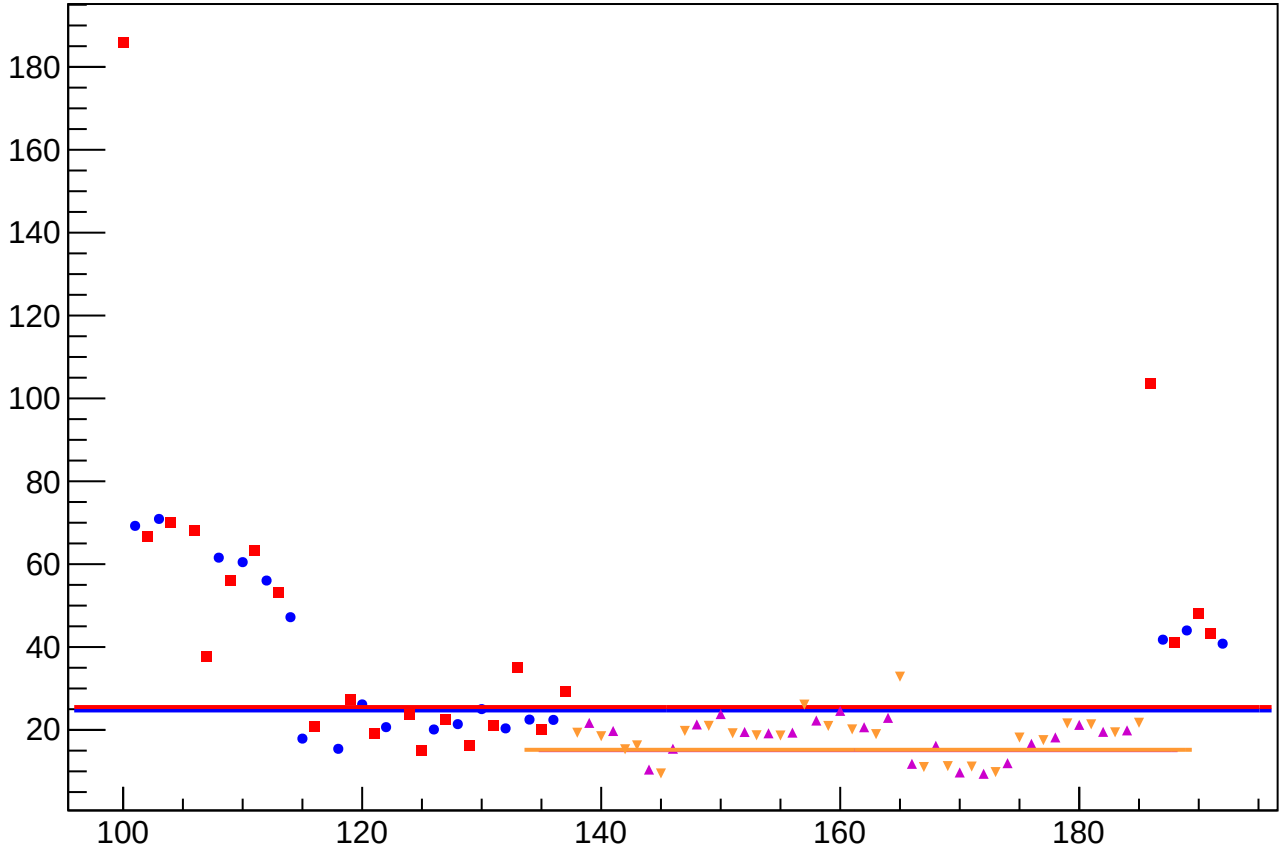
Right: 0.008+/-0.007 χ^2/NDF: 44.1/41

In: 0.004+/-0.004 χ^2/NDF:45.8/41

Out: -0.002+/-0.003 χ^2/NDF:49.0/47

All: 0.001+/-0.002 χ^2/NDF: 95.9/89

asym_sam_37_26_dd_dit_vs_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: 25.517+/-0.007 χ^2/NDF: 3856140.0/22

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

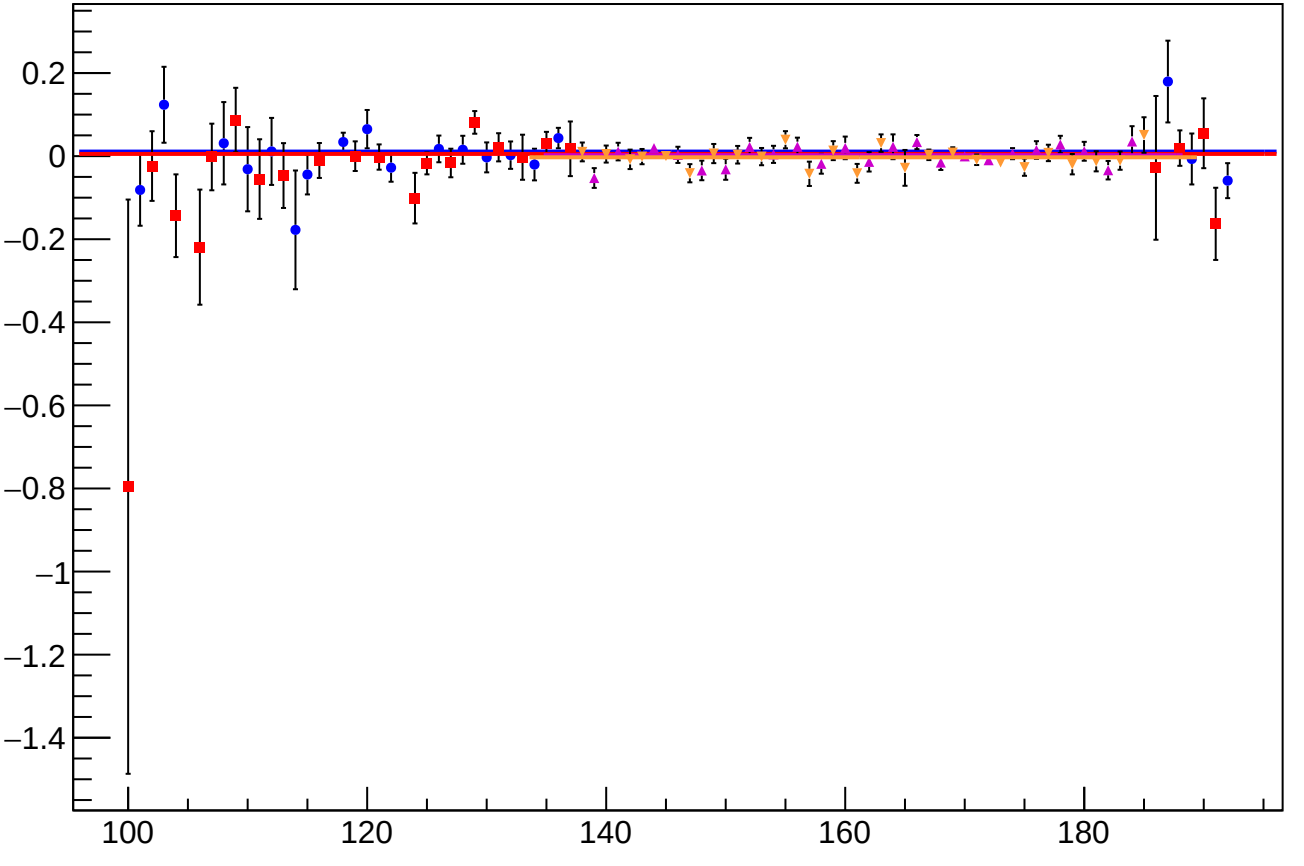
Right: 25.096+/-0.005 χ^2/NDF: 6871266.1/41

In: 16.470+/-0.003 χ^2/NDF:8182424.5/41

Out: 16.525+/-0.002 χ^2/NDF:9287407.7/47

All: 16.498+/-0.002 χ^2/NDF: 17470079.4/89

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: 0.005+/-0.010 χ^2/NDF: 25.7/22

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

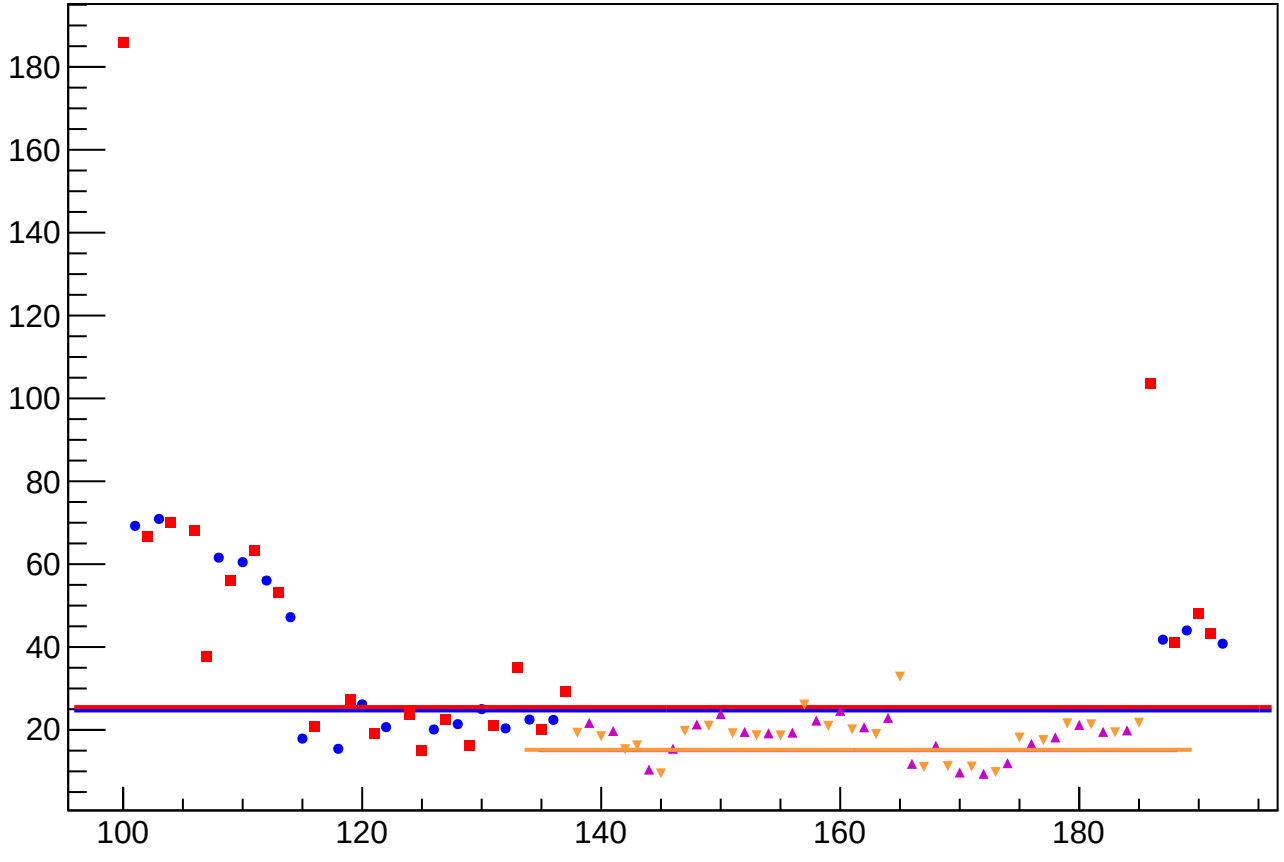
Right: 0.008+/-0.007 χ^2/NDF: 44.1/41

In: 0.004+/-0.004 χ^2/NDF:45.8/41

Out: -0.002+/-0.003 χ^2/NDF:49.0/47

All: 0.001+/-0.002 χ^2/NDF: 95.9/89

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: 25.517+/-0.007 χ^2/NDF: 3856140.0/22

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

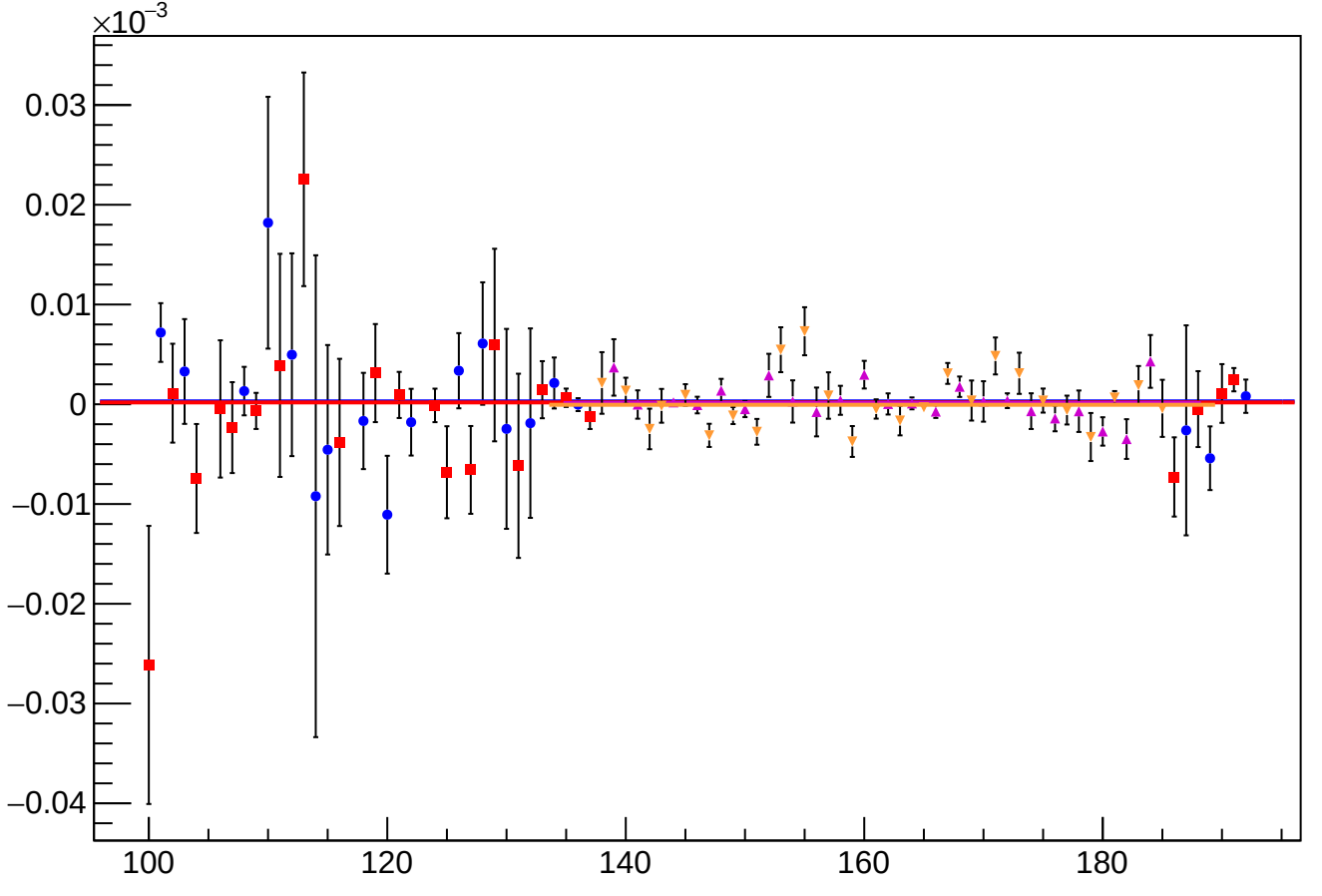
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 25.096+/-0.005 χ^2/NDF: 6871266.1/41

In: 16.470+/-0.003 χ^2/NDF:8182424.5/41

Out: 16.525+/-0.002 χ^2/NDF:9287407.7/47

All: 16.498+/-0.002 χ^2/NDF: 17470079.4/89



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: 25.9/22

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

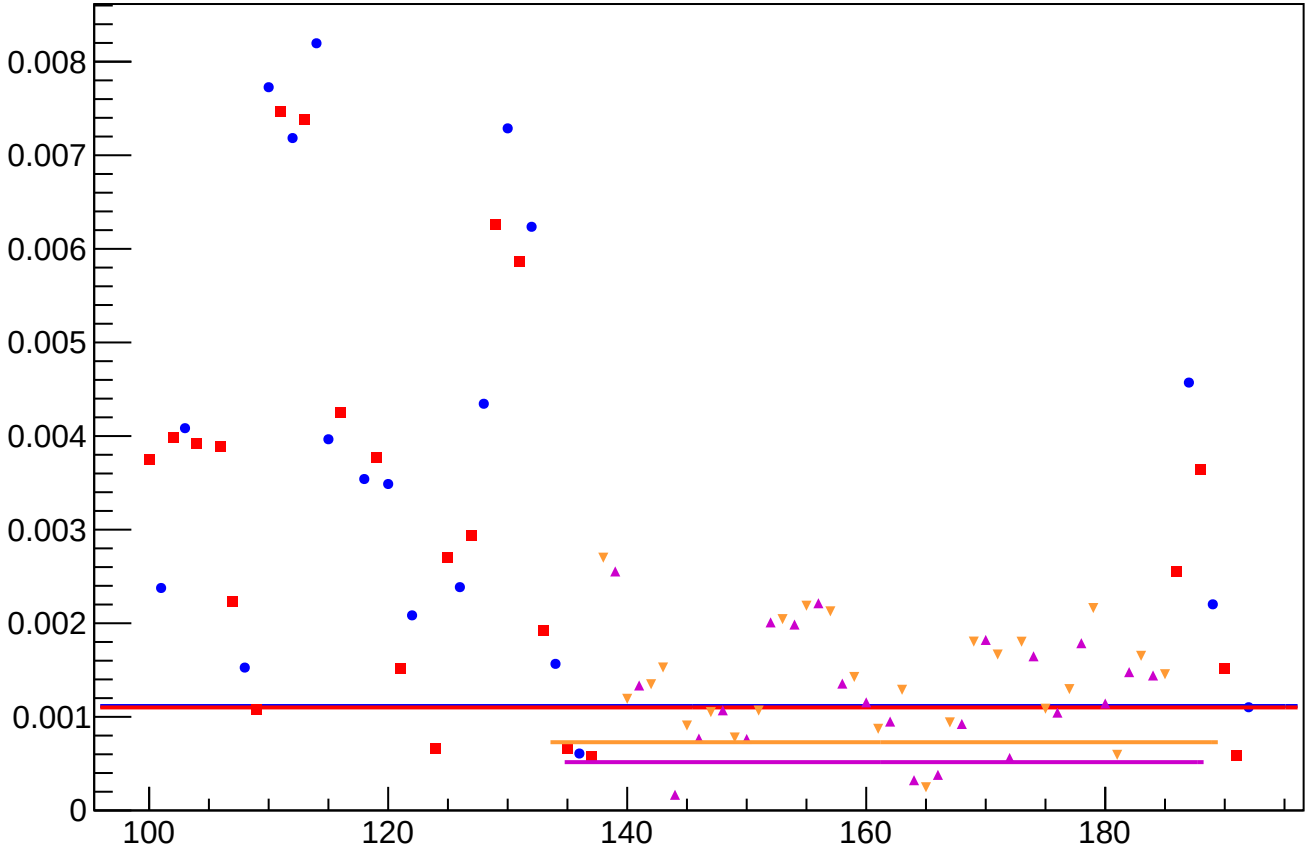
Right: 0.000+/-0.000 χ^2/NDF: 44.5/41

In: 0.000+/-0.000 χ^2/NDF:44.2/41

Out: -0.000+/-0.000 χ^2/NDF:88.9/47

All: 0.000+/-0.000 χ^2/NDF: 133.5/89

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: 8376655.5/22

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

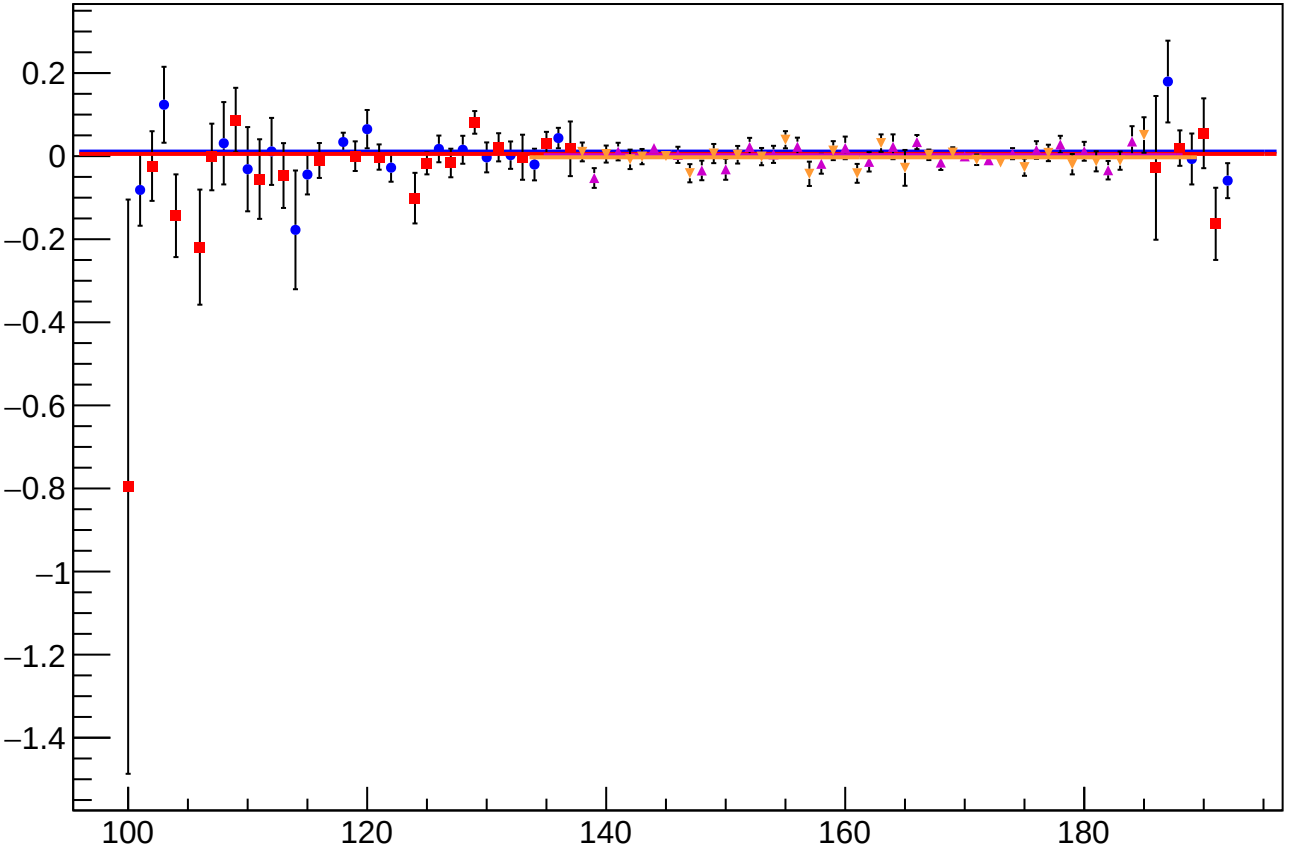
Right: 0.001+/-0.000 χ^2/NDF: 15881498.9/41

In: 0.001+/-0.000 χ^2/NDF:24885963.8/41

Out: 0.001+/-0.000 χ^2/NDF:22454071.9/47

All: 0.001+/-0.000 χ^2/NDF: 48690039.8/89

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 0.005+/-0.010 χ^2/NDF: 25.7/22

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

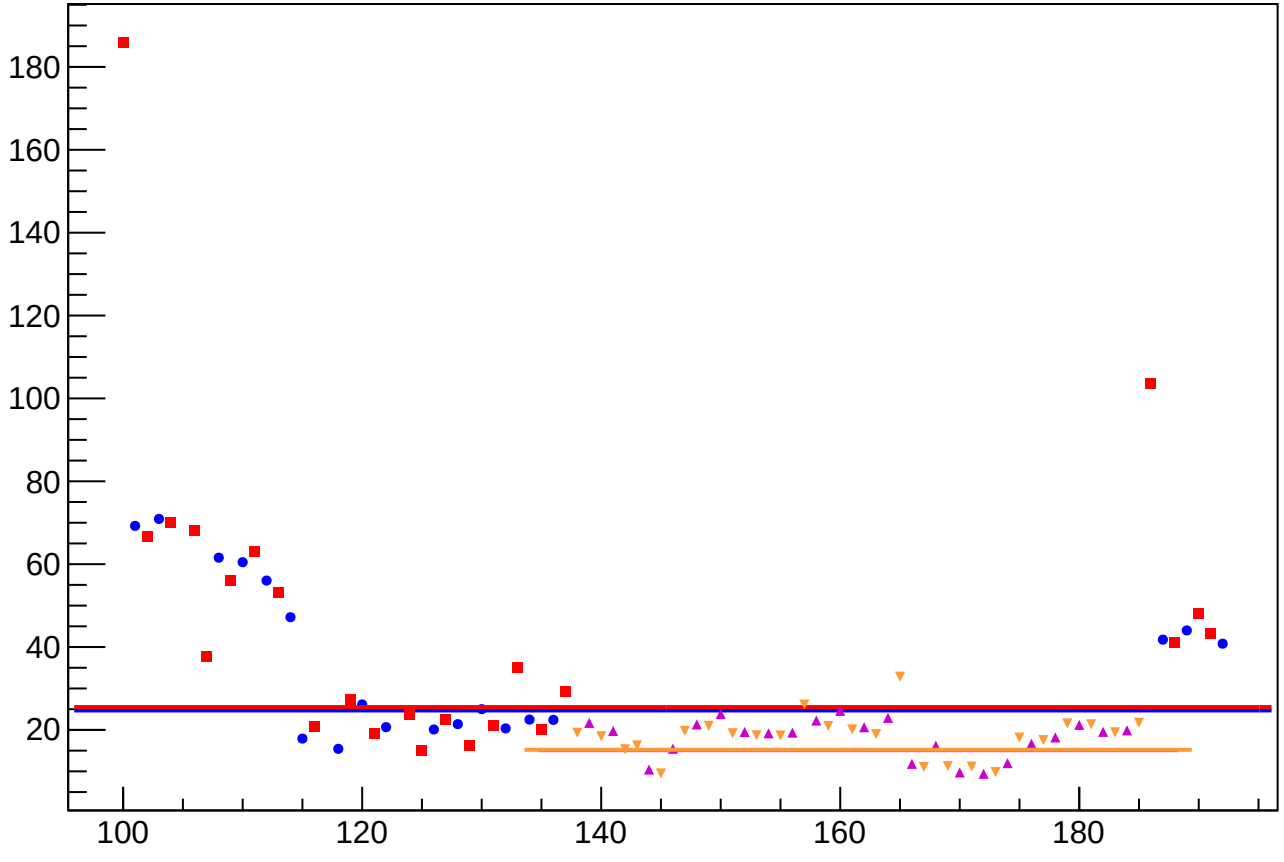
Right: 0.008+/-0.007 χ^2/NDF: 44.1/41

In: 0.004+/-0.004 χ^2/NDF:45.8/41

Out: -0.002+/-0.003 χ^2/NDF:49.0/47

All: 0.001+/-0.002 χ^2/NDF: 95.9/89

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: 25.517+/-0.007 χ^2/NDF: 3856171.2/22

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

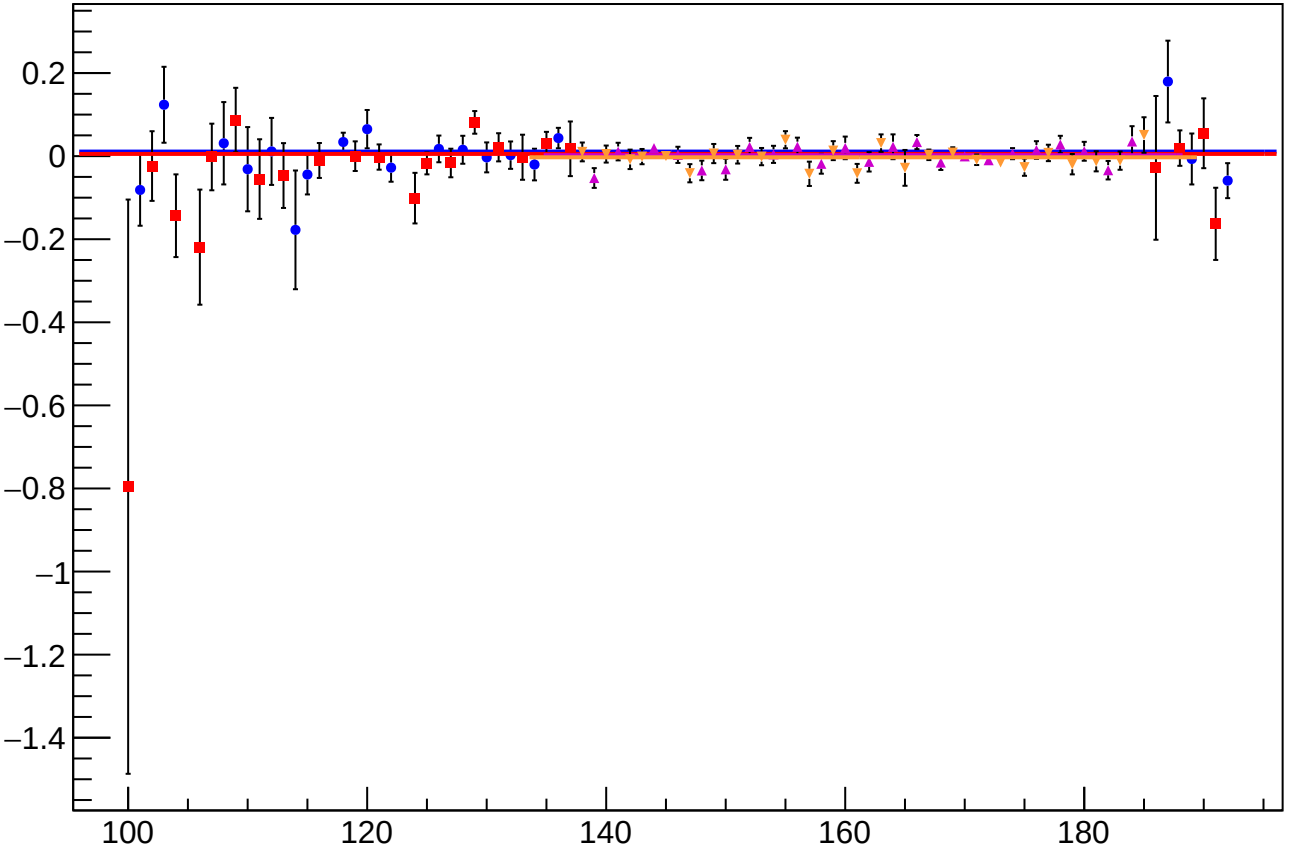
Right: 25.096+/-0.005 χ^2/NDF: 6871448.7/41

In: 16.470+/-0.003 χ^2/NDF:8182202.0/41

Out: 16.525+/-0.002 χ^2/NDF:9287358.7/47

All: 16.499+/-0.002 χ^2/NDF: 17469807.9/89

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.009 χ^2/NDF: 18.2/18

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.005+/-0.010 χ^2/NDF: 25.7/22

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

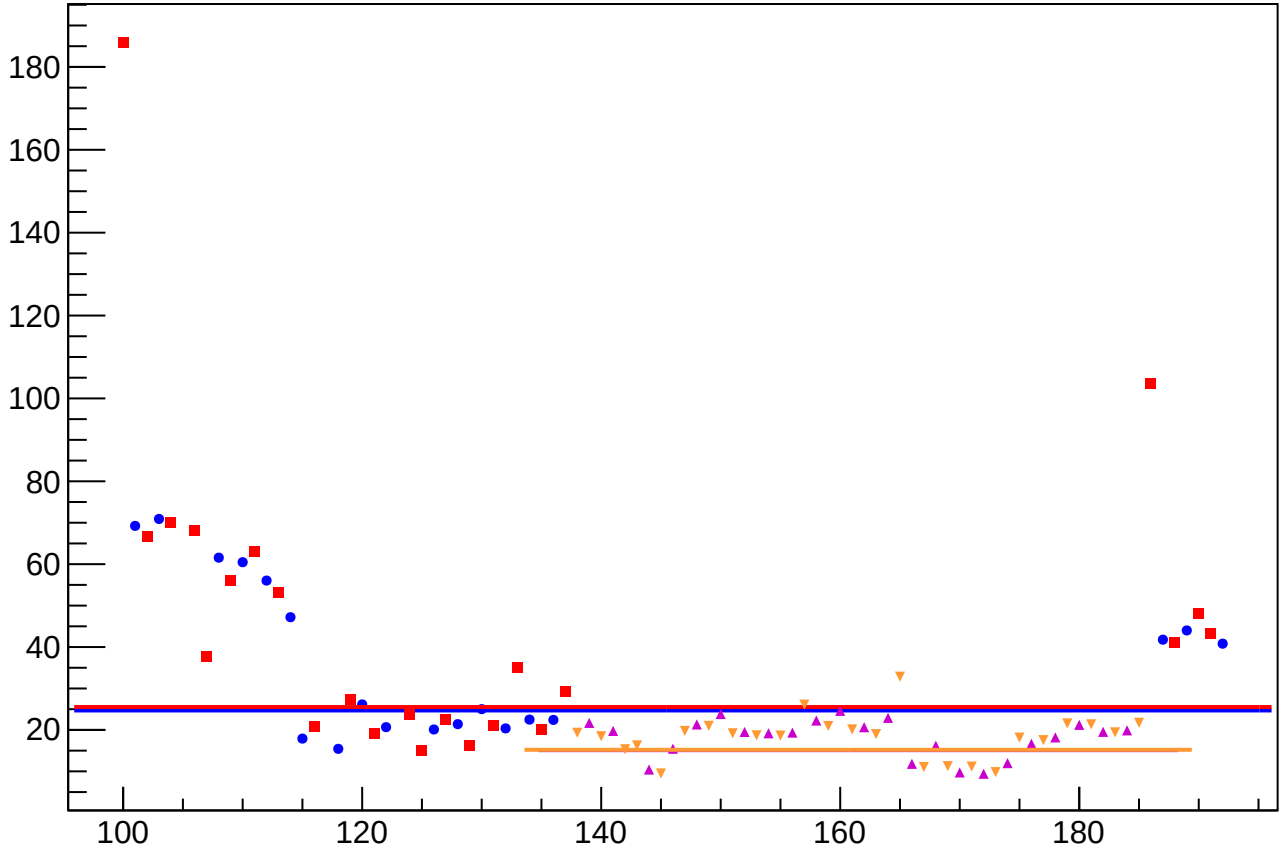
Right: 0.008+/-0.007 χ^2/NDF: 44.1/41

In: 0.004+/-0.004 χ^2/NDF:45.8/41

Out: -0.002+/-0.003 χ^2/NDF:49.0/47

All: 0.001+/-0.002 χ^2/NDF: 95.9/89

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: 25.517+/-0.007 χ^2/NDF: 3856171.2/22

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

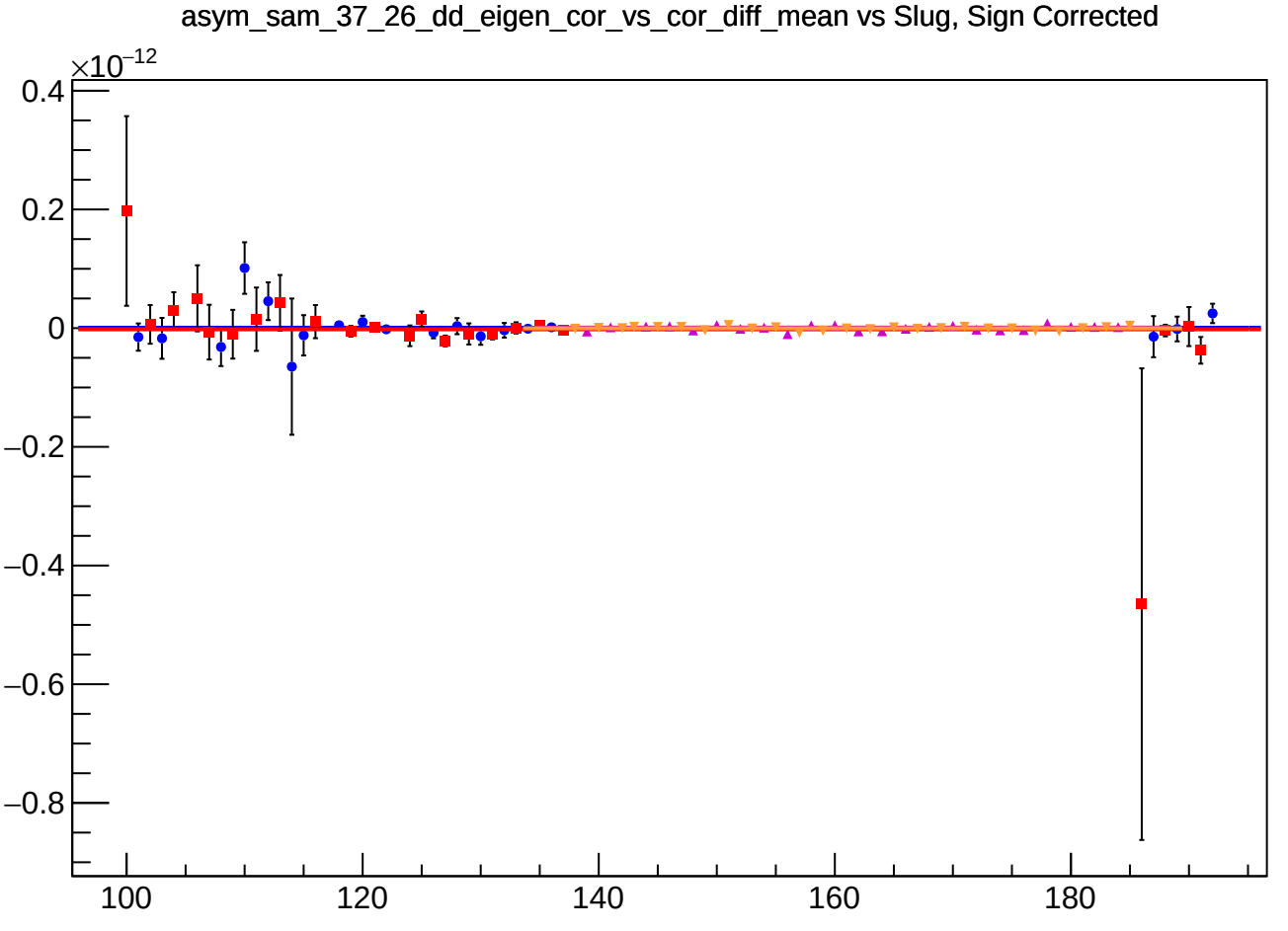
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

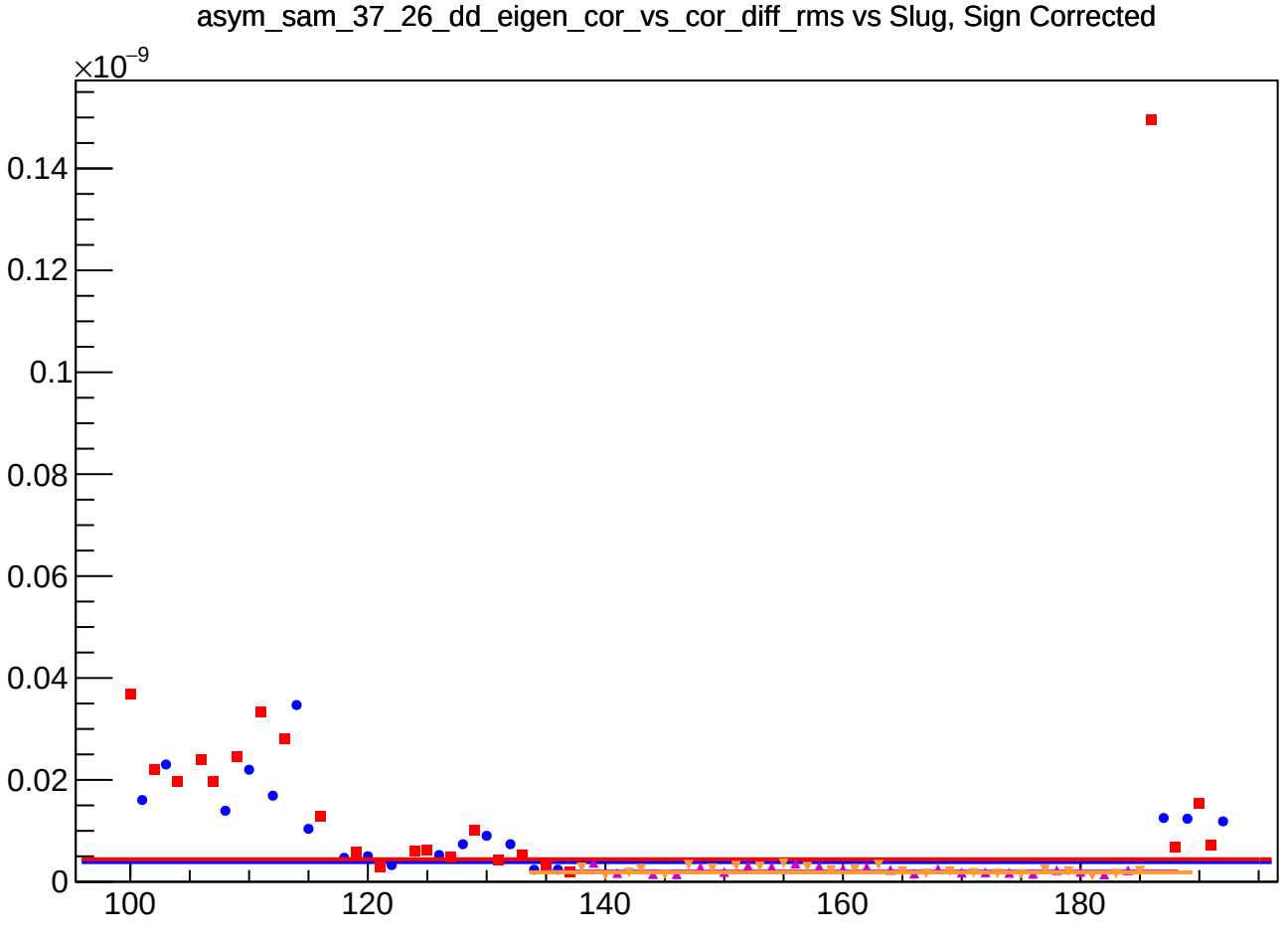
Right: 25.096+/-0.005 χ^2/NDF: 6871448.7/41

In: 16.470+/-0.003 χ^2/NDF:8182202.0/41

Out: 16.525+/-0.002 χ^2/NDF:9287358.7/47

All: 16.499+/-0.002 χ^2/NDF: 17469807.9/89


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 15.3/18
Left Out: -0.000+/-0.000 χ²/NDF:21.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 19.5/22
Left In: 0.000+/-0.000 χ²/NDF:39.5/22
Left: 0.000+/-0.000 χ²/NDF: 62.7/47
Right: -0.000+/-0.000 χ²/NDF: 35.6/41
In: 0.000+/-0.000 χ²/NDF:54.8/41
Out: -0.000+/-0.000 χ²/NDF:41.5/47
All: 0.000+/-0.000 χ²/NDF: 98.6/89



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: 5111426.6/22

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

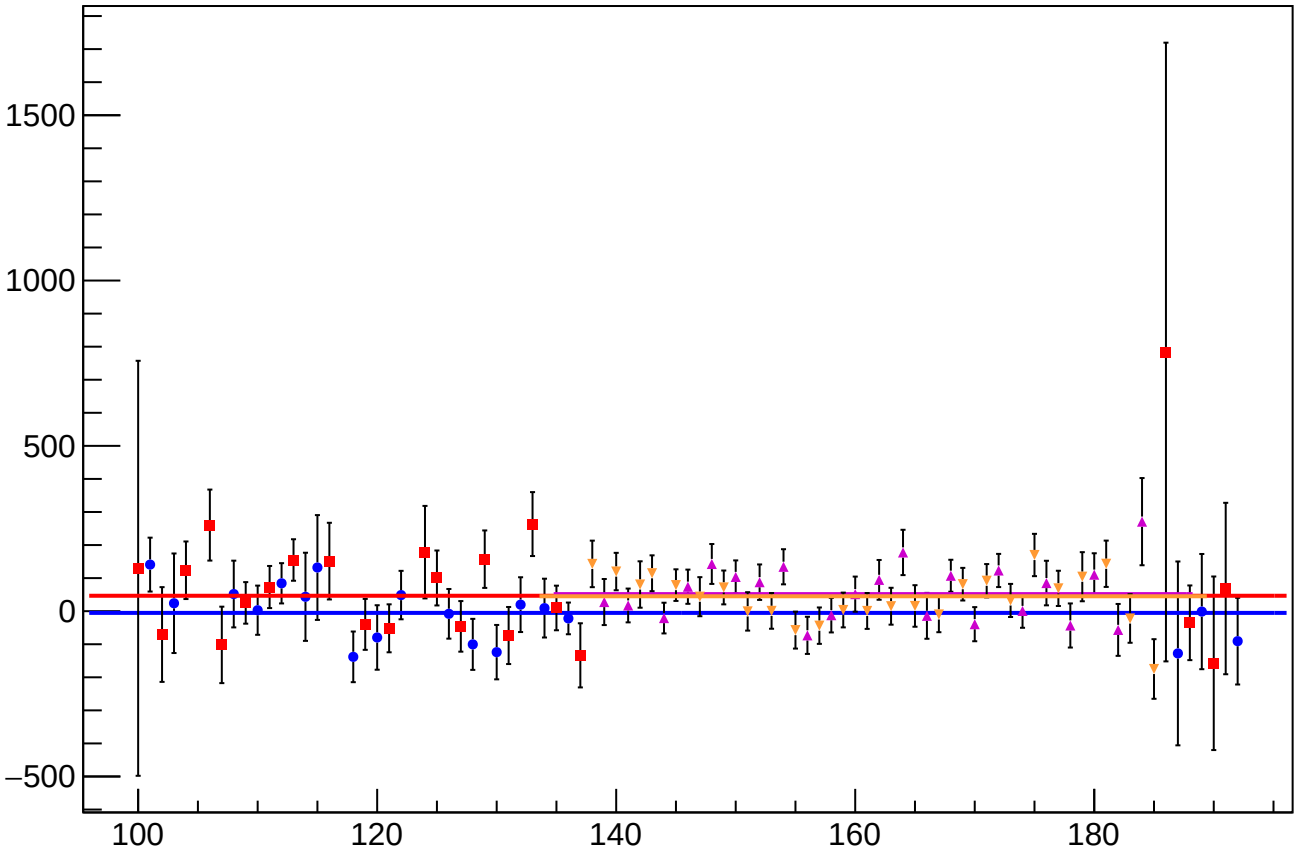
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 9729945.5/41

In: 0.000+/-0.000 χ^2/NDF:8078014.2/41

Out: 0.000+/-0.000 χ^2/NDF:10162381.8/47

All: 0.000+/-0.000 χ^2/NDF: 18320115.2/89



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: 46.650+/-19.222 χ^2/NDF: 31.1/22

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

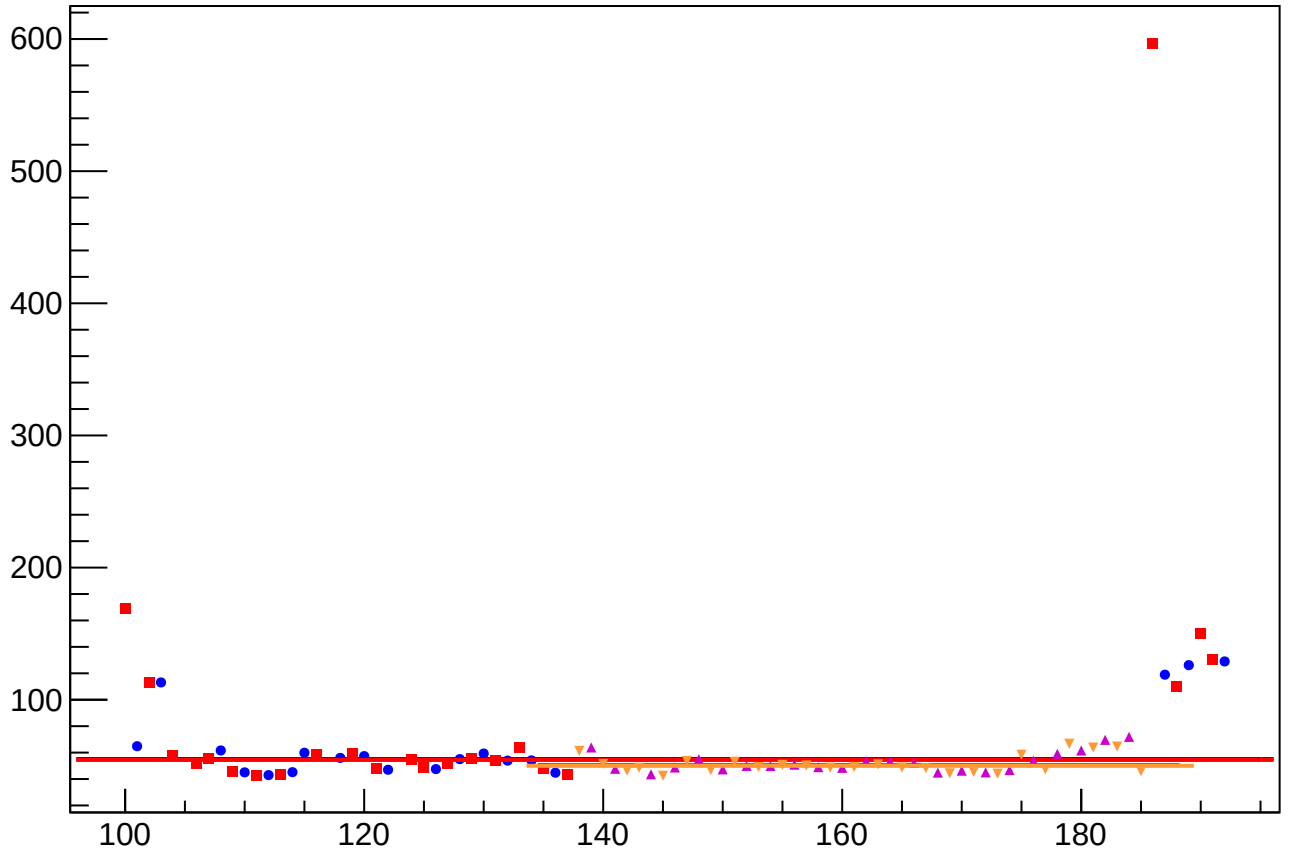
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: 21.226+/-13.721 χ^2/NDF: 49.9/41

In: 36.254+/-10.189 χ^2/NDF:57.2/41

Out: 45.503+/-9.865 χ^2/NDF:62.5/47

All: 41.027+/-7.087 χ^2/NDF: 120.1/89



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: 54.441+/-0.014 χ^2/NDF: 2280248.5/22

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

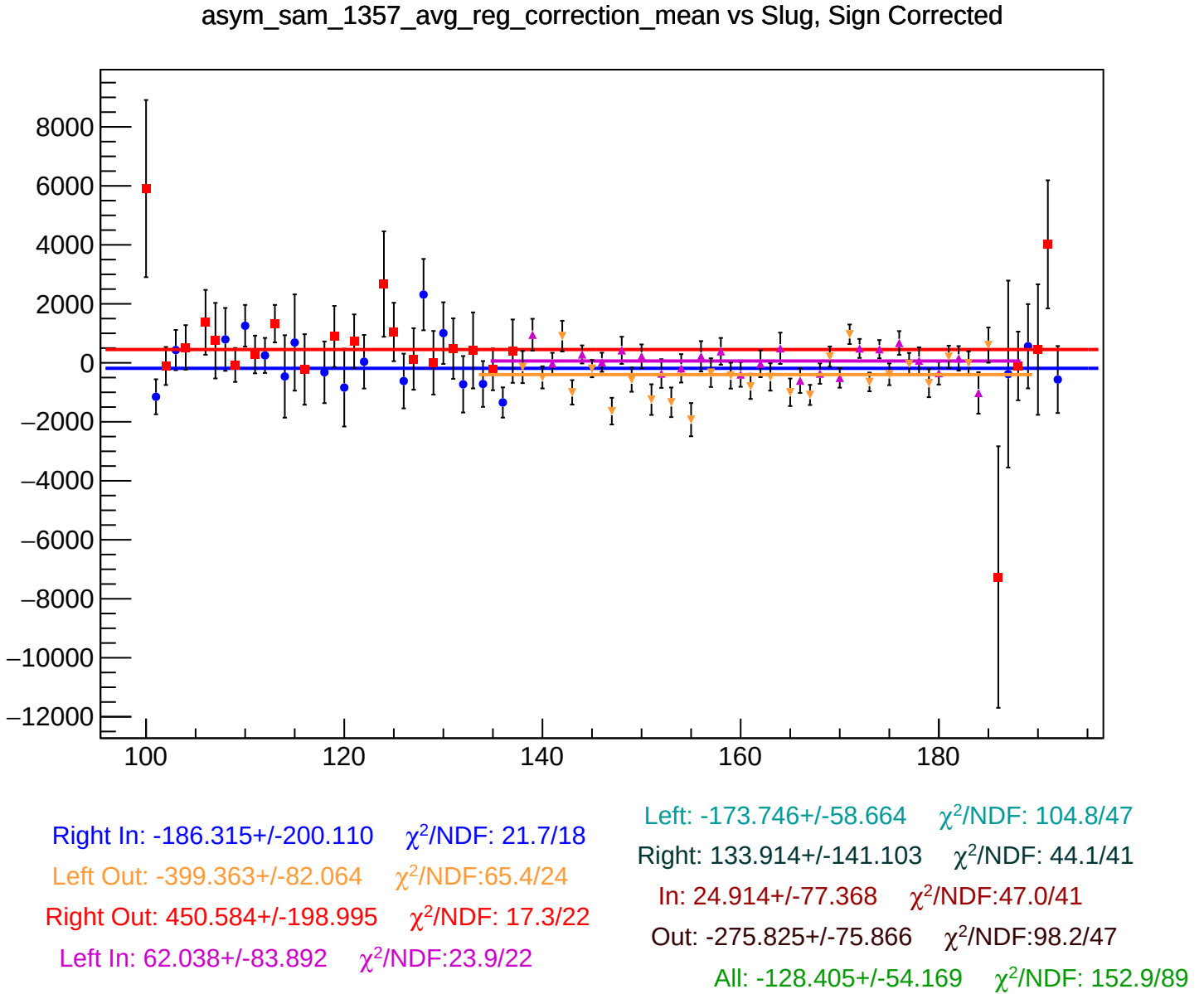
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 54.770+/-0.010 χ^2/NDF: 3961670.6/41

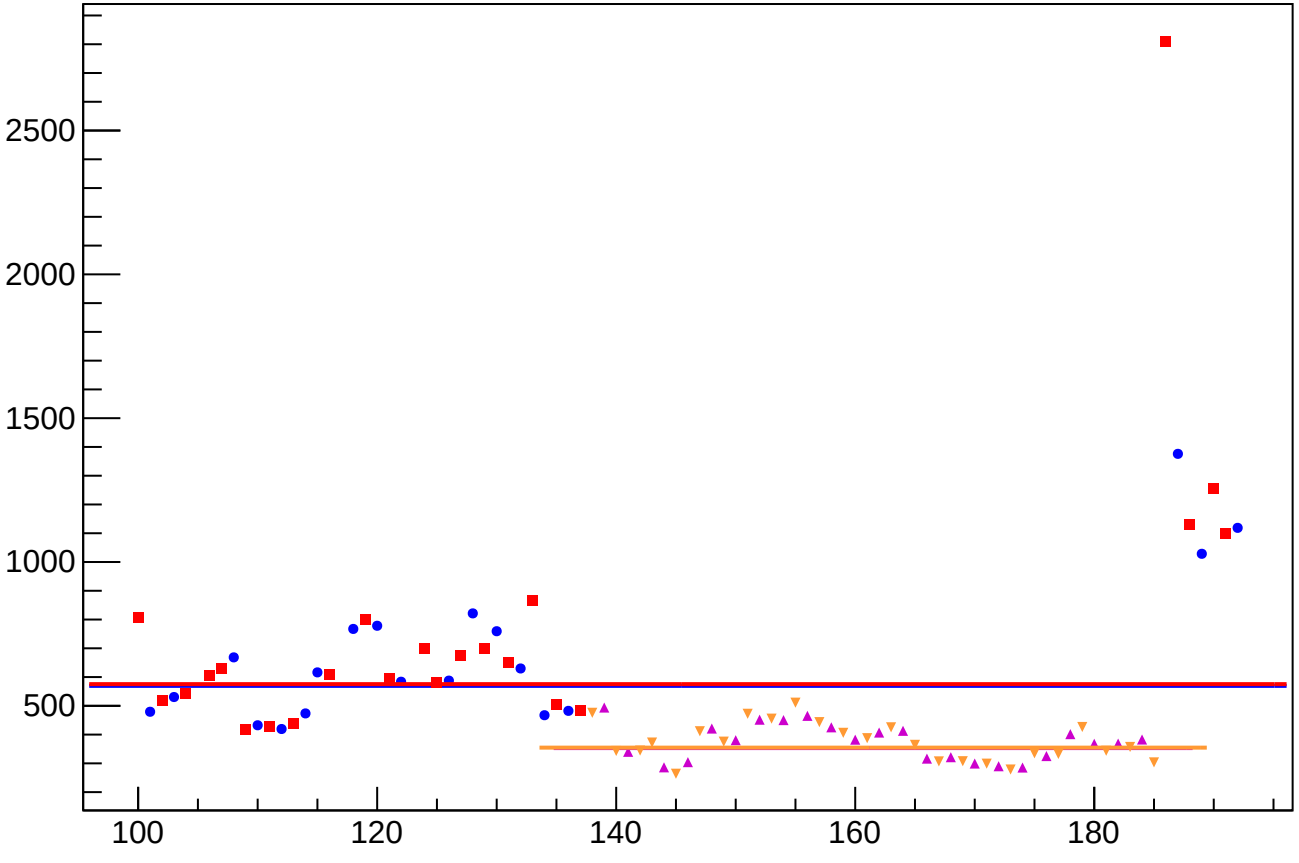
In: 51.756+/-0.007 χ^2/NDF:2264069.1/41

Out: 51.185+/-0.007 χ^2/NDF:2867247.8/47

All: 51.462+/-0.005 χ^2/NDF: 5134557.4/89


asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
Right In: -186.315+/-200.110 χ²/NDF: 21.7/18
Left Out: -399.363+/-82.064 χ²/NDF:65.4/24
Right Out: 450.584+/-198.995 χ²/NDF: 17.3/22
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.746+/-58.664 χ²/NDF: 104.8/47
Right: 133.914+/-141.103 χ²/NDF: 44.1/41
In: 24.914+/-77.368 χ²/NDF:47.0/41
Out: -275.825+/-75.866 χ²/NDF:98.2/47
All: -128.405+/-54.169 χ²/NDF: 152.9/89

asym_sam_1357_avg_reg_correction_rms vs Slug, Sign Corrected



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: 575.428+/-0.141 χ^2/NDF: 1956768.0/22

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

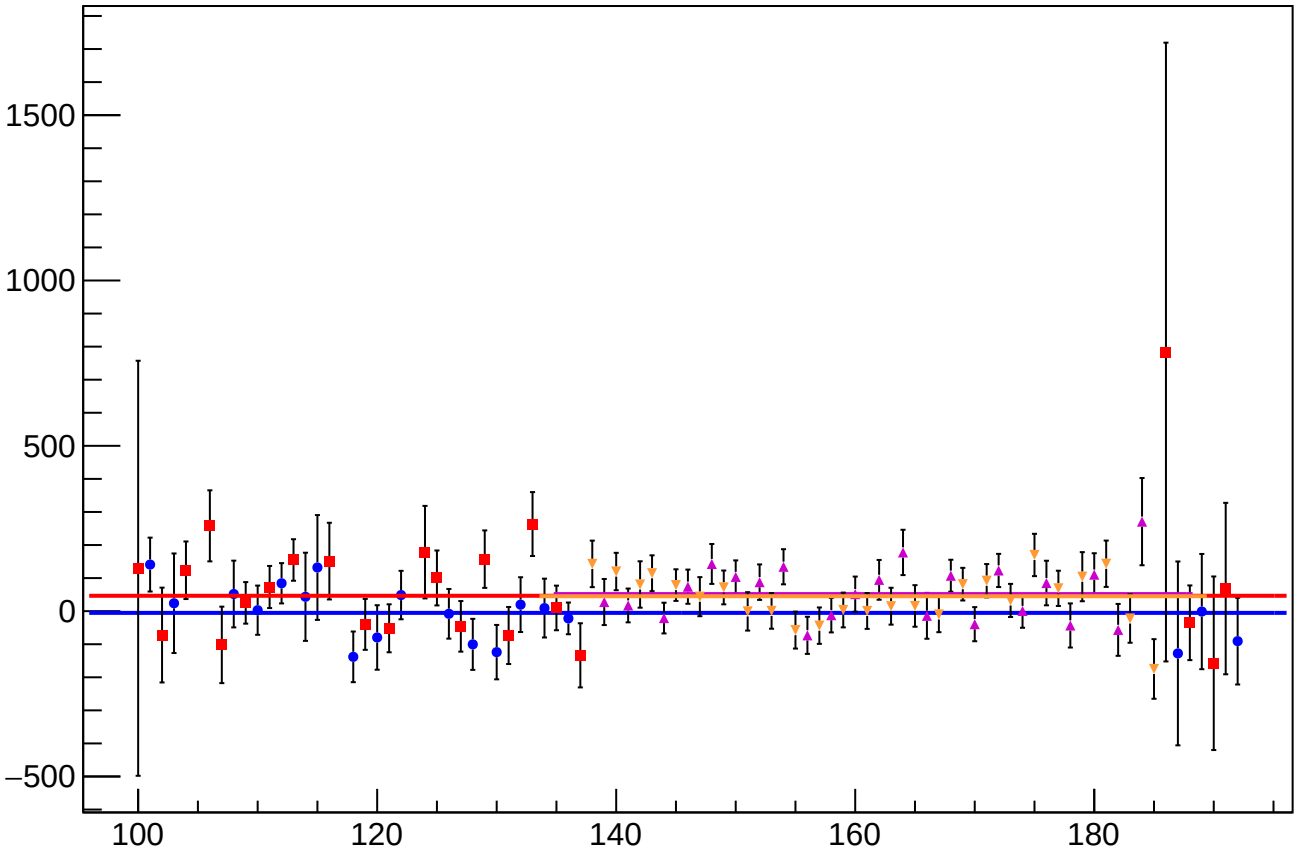
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 572.444+/-0.100 χ^2/NDF: 3420666.7/41

In: 385.446+/-0.055 χ^2/NDF:4454860.2/41

Out: 386.757+/-0.054 χ^2/NDF:5205869.6/47

All: 386.114+/-0.038 χ^2/NDF: 9661022.5/89



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: 46.537+/-19.223 χ^2/NDF: 31.1/22

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

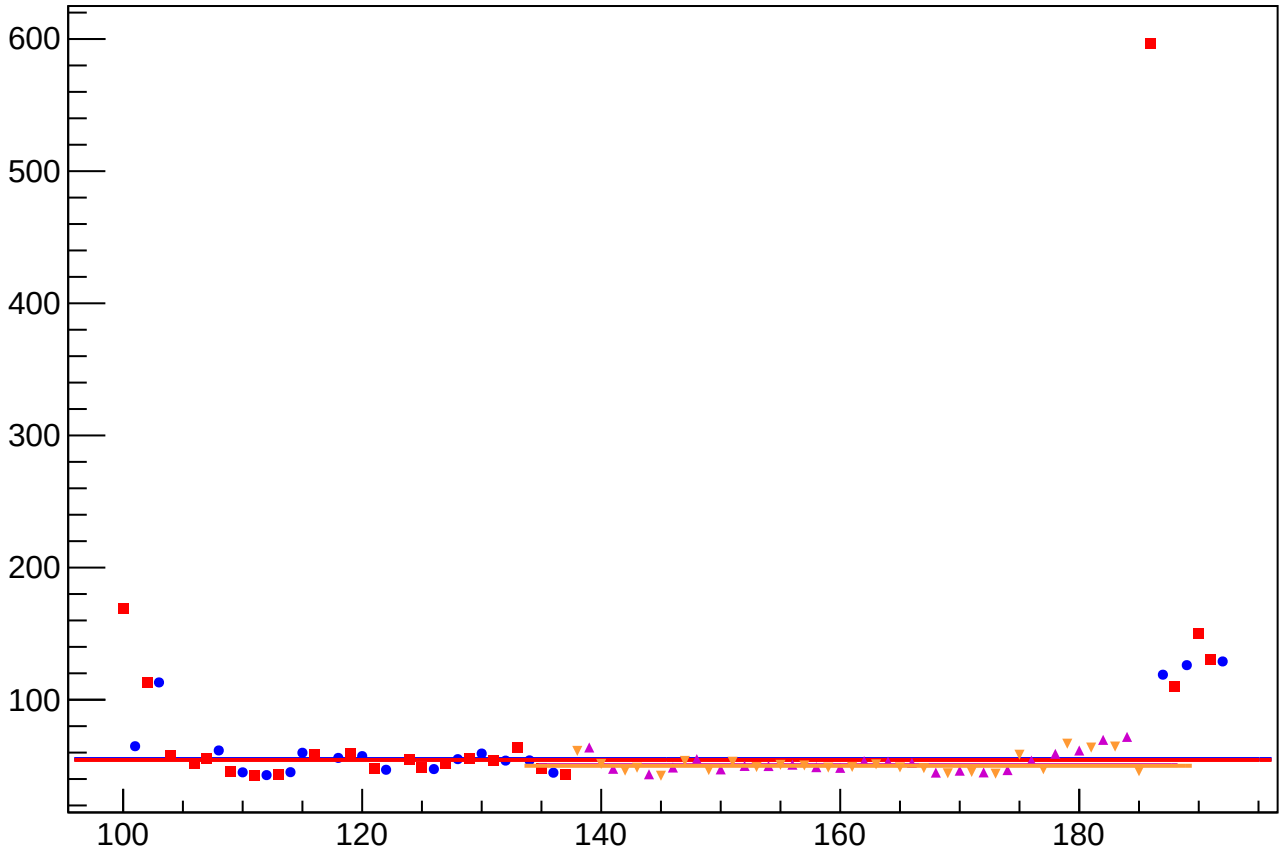
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 21.165+/-13.721 χ^2/NDF: 49.8/41

In: 36.252+/-10.189 χ^2/NDF:57.2/41

Out: 45.476+/-9.865 χ^2/NDF:62.4/47

All: 41.013+/-7.087 χ^2/NDF: 120.0/89



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: 54.432+/-0.014 χ^2/NDF: 2280775.6/22

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

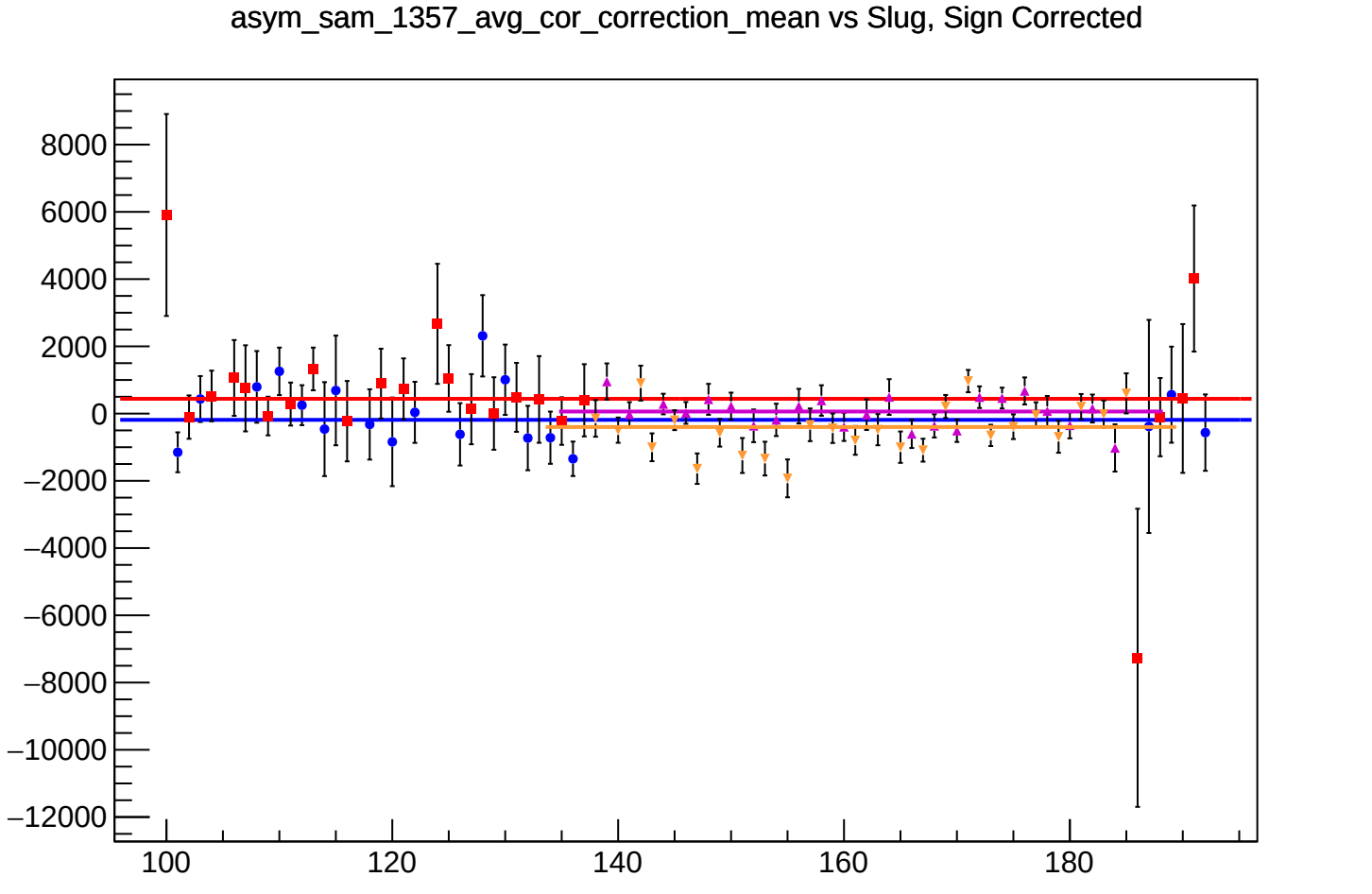
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

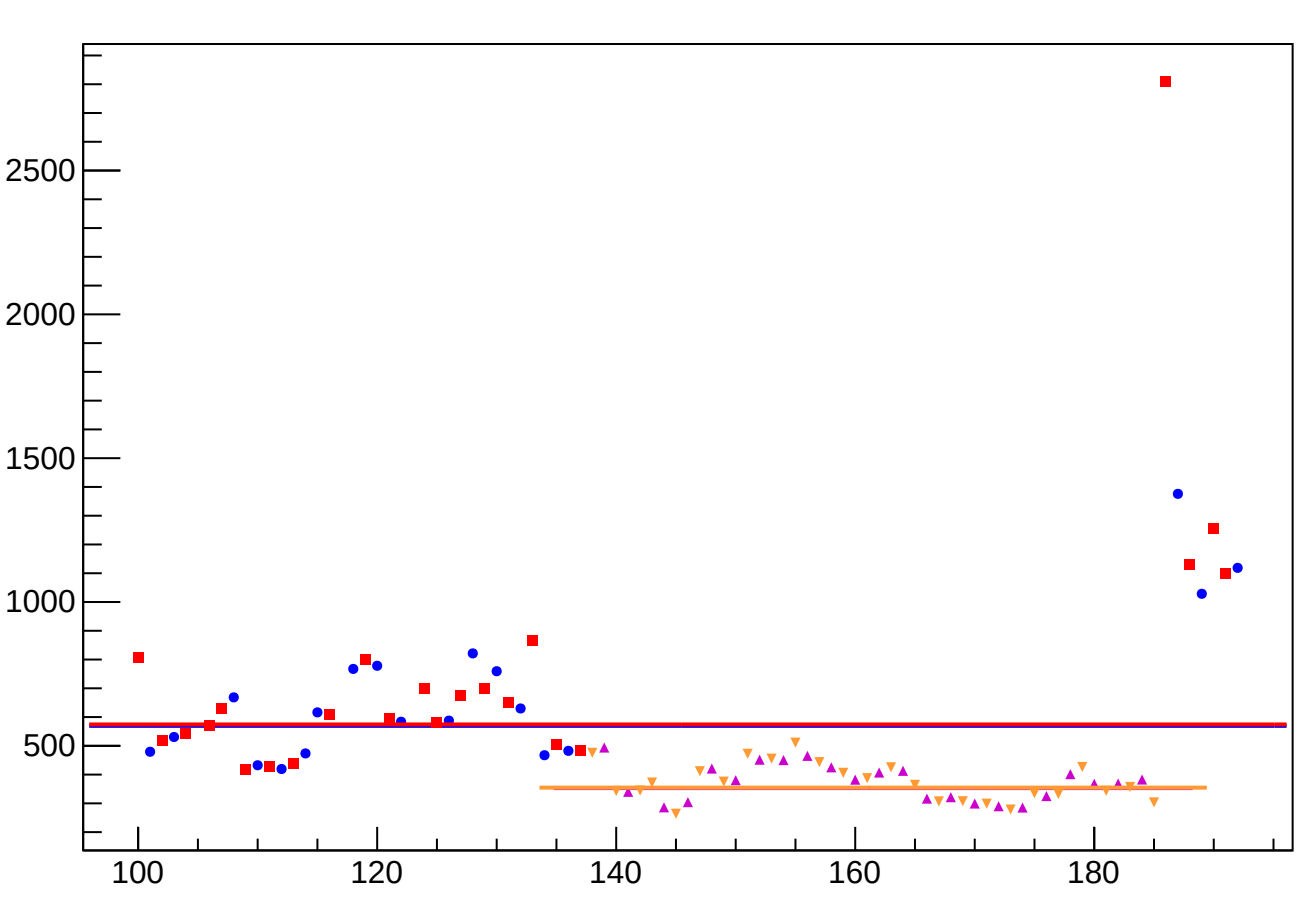
Right: 54.765+/-0.010 χ^2/NDF: 3962235.0/41

In: 51.756+/-0.007 χ^2/NDF:2264071.4/41

Out: 51.183+/-0.007 χ^2/NDF:2867429.0/47

All: 51.460+/-0.005 χ^2/NDF: 5134770.5/89


asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
Right In: -186.294+/-200.112 χ²/NDF: 21.7/18
Left Out: -399.358+/-82.064 χ²/NDF:65.4/24
Right Out: 439.754+/-199.174 χ²/NDF: 16.8/22
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.744+/-58.664 χ²/NDF: 104.8/47
Right: 128.200+/-141.168 χ²/NDF: 43.5/41
In: 24.917+/-77.369 χ²/NDF:47.0/41
Out: -277.583+/-75.876 χ²/NDF:97.4/47
All: -129.280+/-54.172 χ²/NDF: 152.2/89



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: 574.328+/-0.141 χ^2/NDF: 1954886.8/22

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

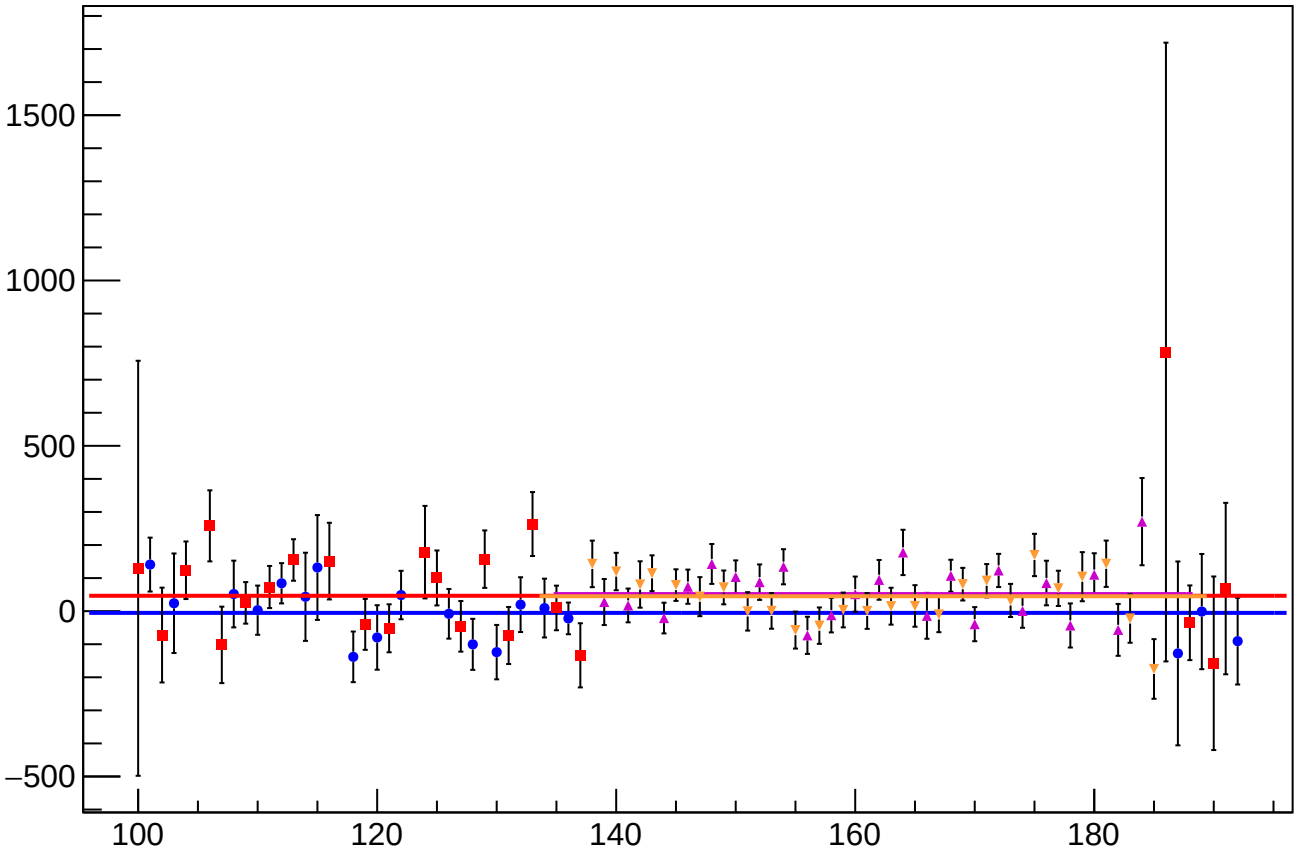
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 571.892+/-0.100 χ^2/NDF: 3418463.0/41

In: 385.446+/-0.055 χ^2/NDF:4454911.9/41

Out: 386.547+/-0.054 χ^2/NDF:5179872.6/47

All: 386.007+/-0.038 χ^2/NDF: 9634991.1/89



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: 46.537+/-19.223 χ^2/NDF: 31.1/22

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

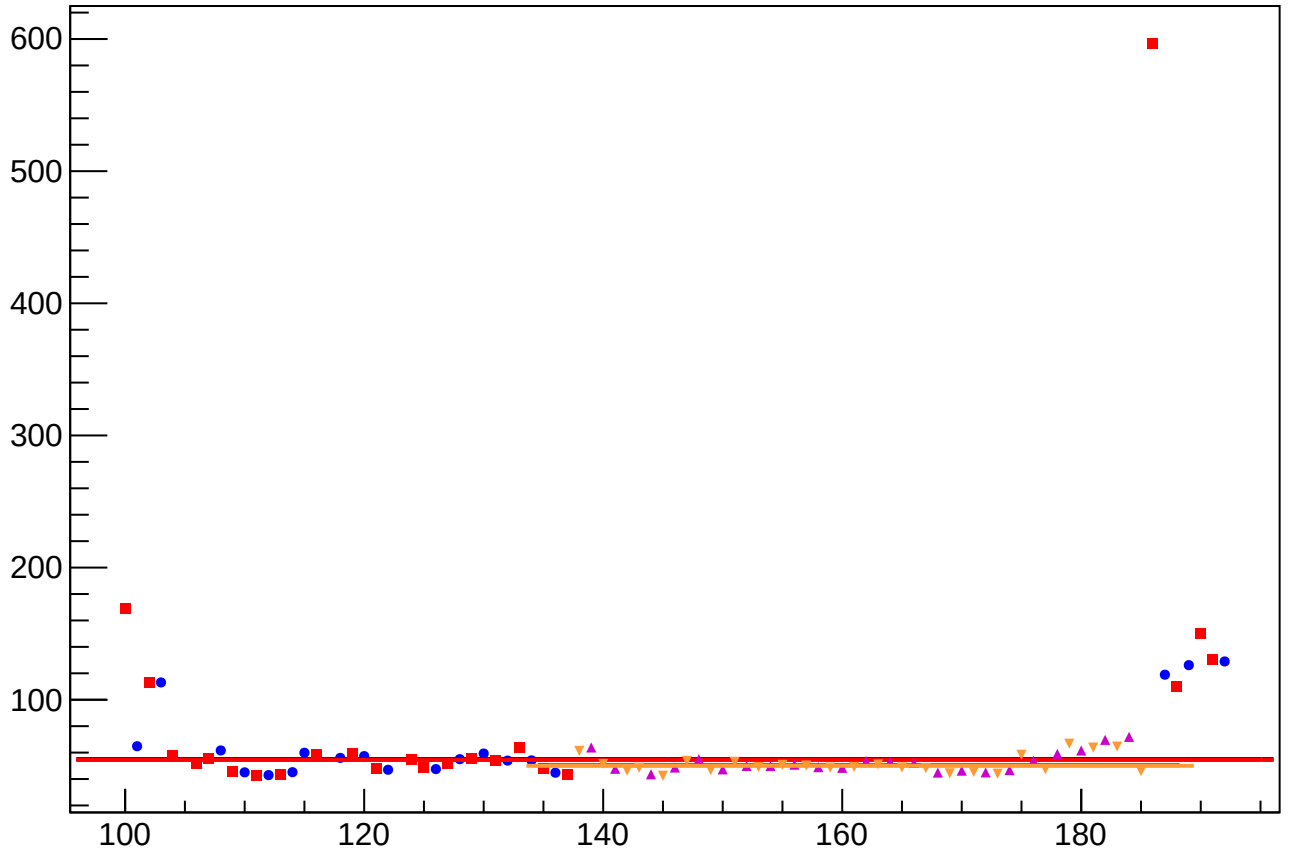
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 21.165+/-13.721 χ^2/NDF: 49.8/41

In: 36.252+/-10.189 χ^2/NDF:57.2/41

Out: 45.476+/-9.865 χ^2/NDF:62.4/47

All: 41.013+/-7.087 χ^2/NDF: 120.0/89



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: 54.432+/-0.014 χ^2/NDF: 2280775.6/22

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

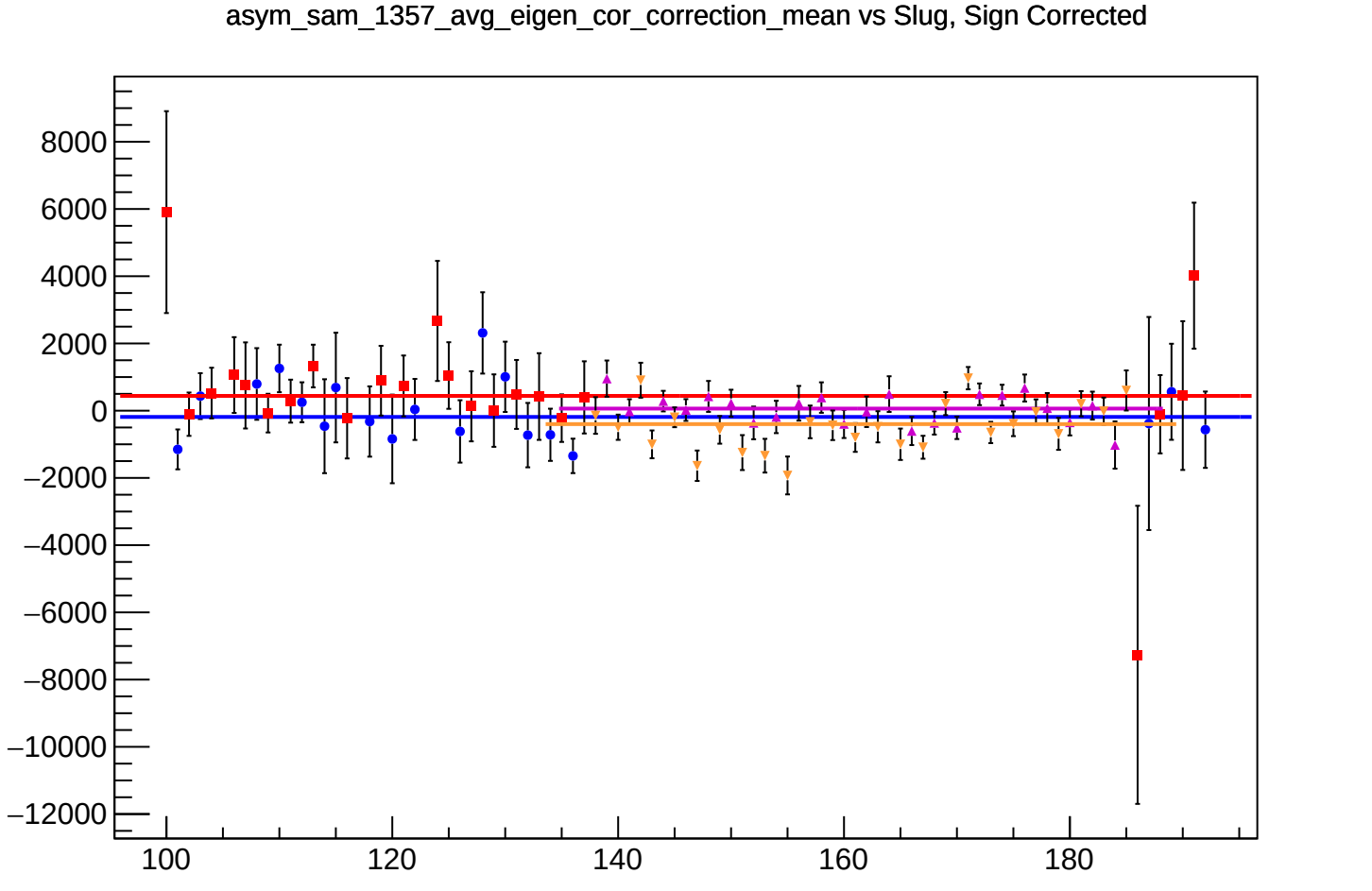
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 54.765+/-0.010 χ^2/NDF: 3962235.0/41

In: 51.756+/-0.007 χ^2/NDF:2264071.4/41

Out: 51.183+/-0.007 χ^2/NDF:2867429.0/47

All: 51.460+/-0.005 χ^2/NDF: 5134770.5/89



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: 439.754+/-199.174 χ^2/NDF: 16.8/22

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

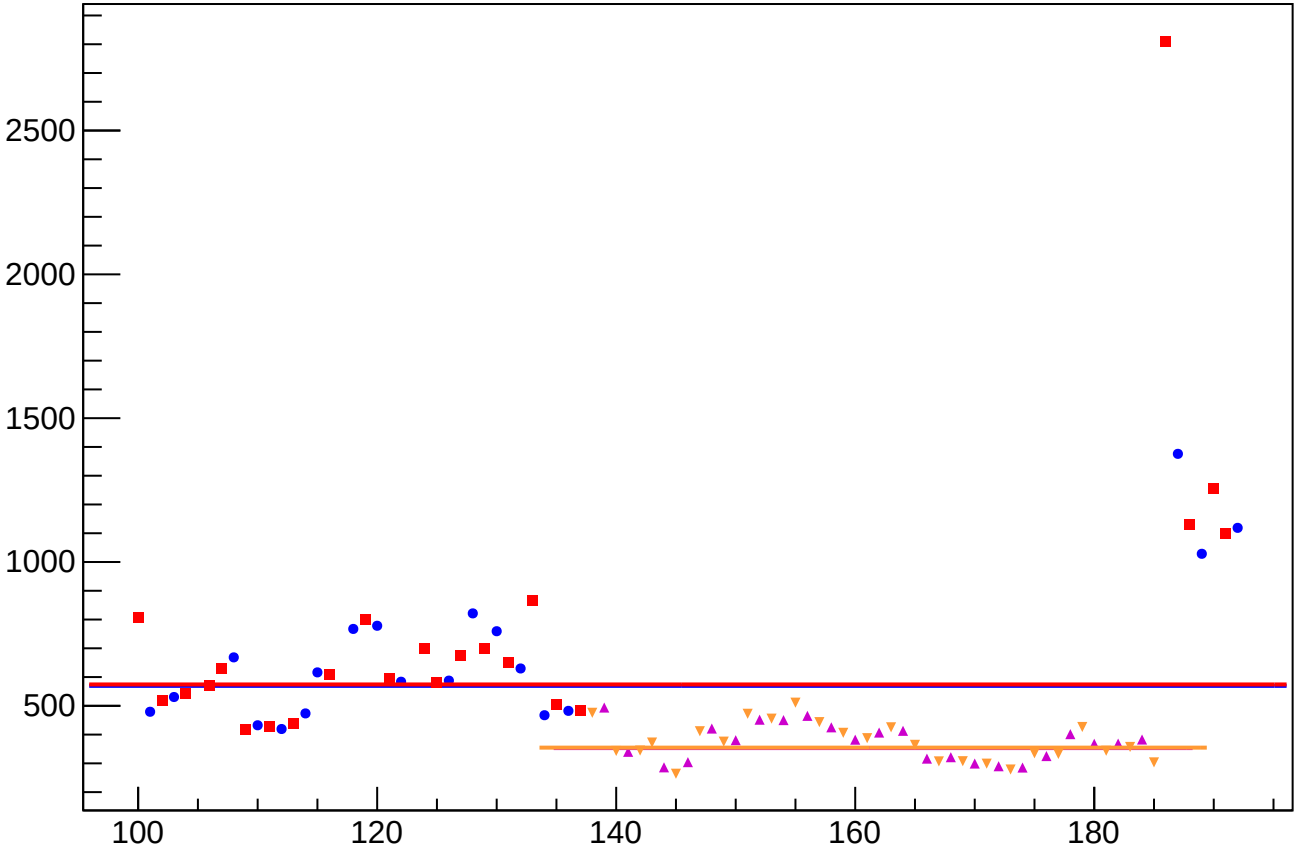
Right: 128.200+/-141.168 χ^2/NDF: 43.5/41

In: 24.917+/-77.369 χ^2/NDF:47.0/41

Out: -277.583+/-75.876 χ^2/NDF:97.4/47

All: -129.280+/-54.172 χ^2/NDF: 152.2/89

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 574.328+/-0.141 χ^2/NDF: 1954886.8/22

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

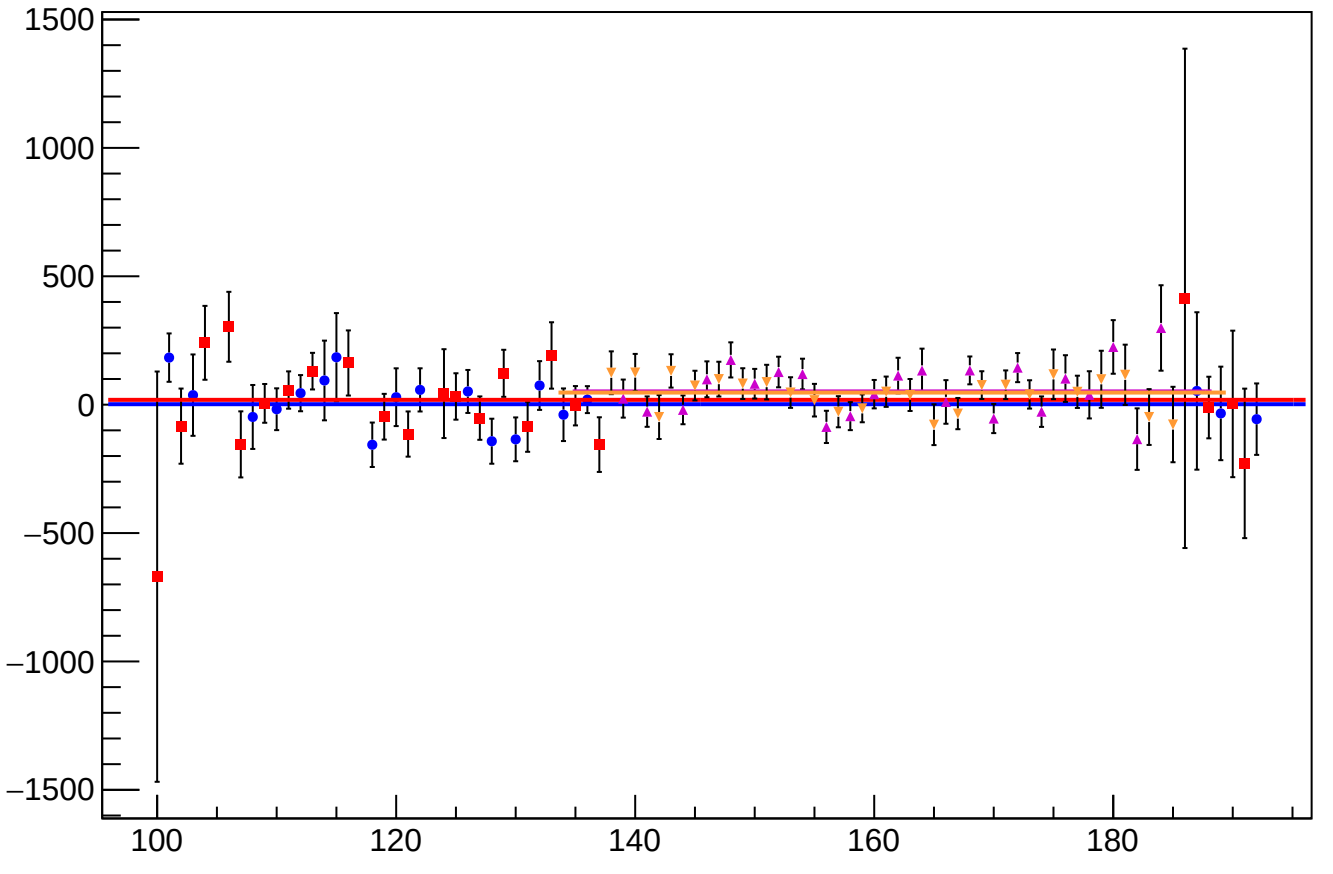
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 571.892+/-0.100 χ^2/NDF: 3418463.0/41

In: 385.446+/-0.055 χ^2/NDF:4454911.9/41

Out: 386.547+/-0.054 χ^2/NDF:5179872.6/47

All: 386.007+/-0.038 χ^2/NDF: 9634991.1/89



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: 18.778+/-22.230 χ^2/NDF: 25.4/22

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

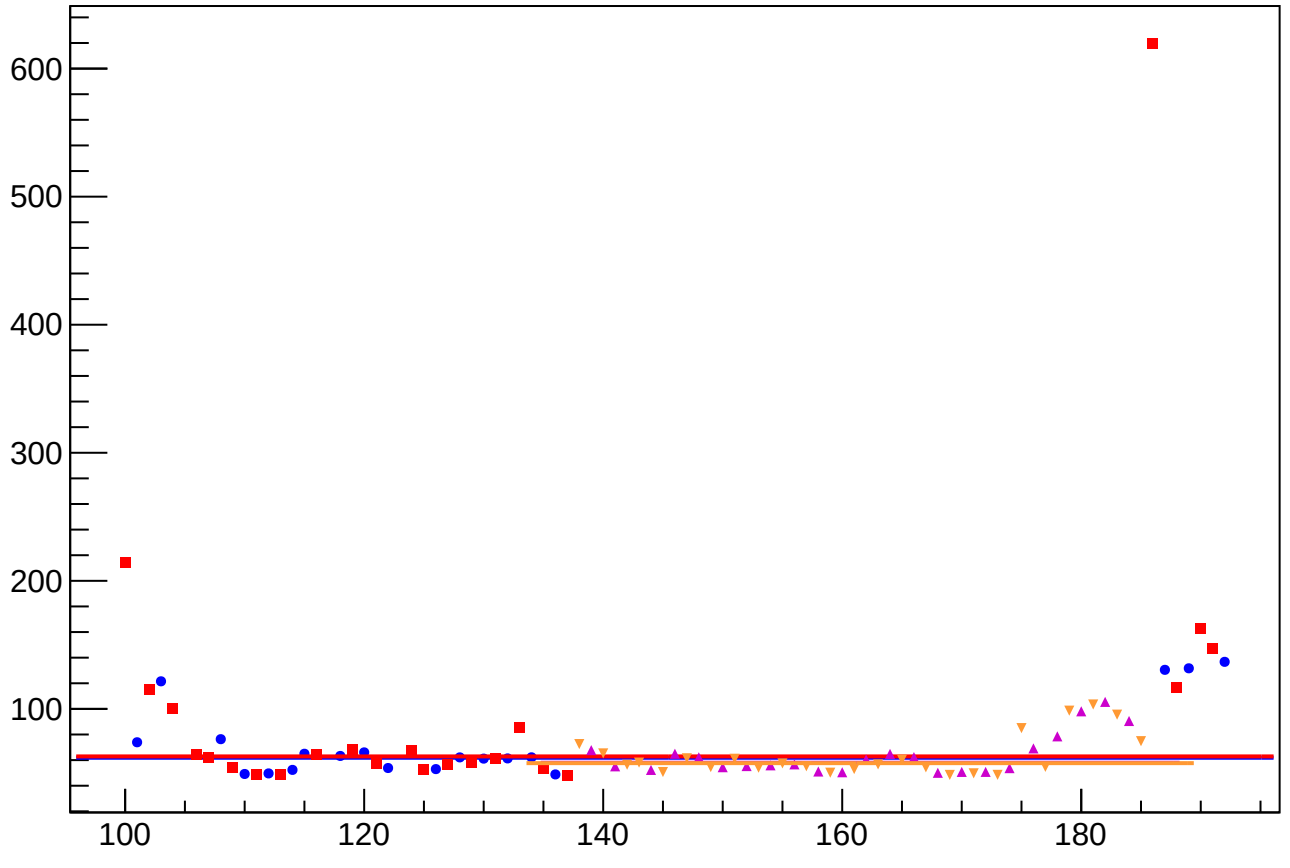
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 10.194+/-15.627 χ^2/NDF: 42.1/41

In: 37.357+/-11.767 χ^2/NDF:58.3/41

Out: 39.497+/-11.546 χ^2/NDF:43.6/47

All: 38.447+/-8.241 χ^2/NDF: 101.8/89



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: 62.887+/-0.016 χ^2/NDF: 2303258.2/22

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

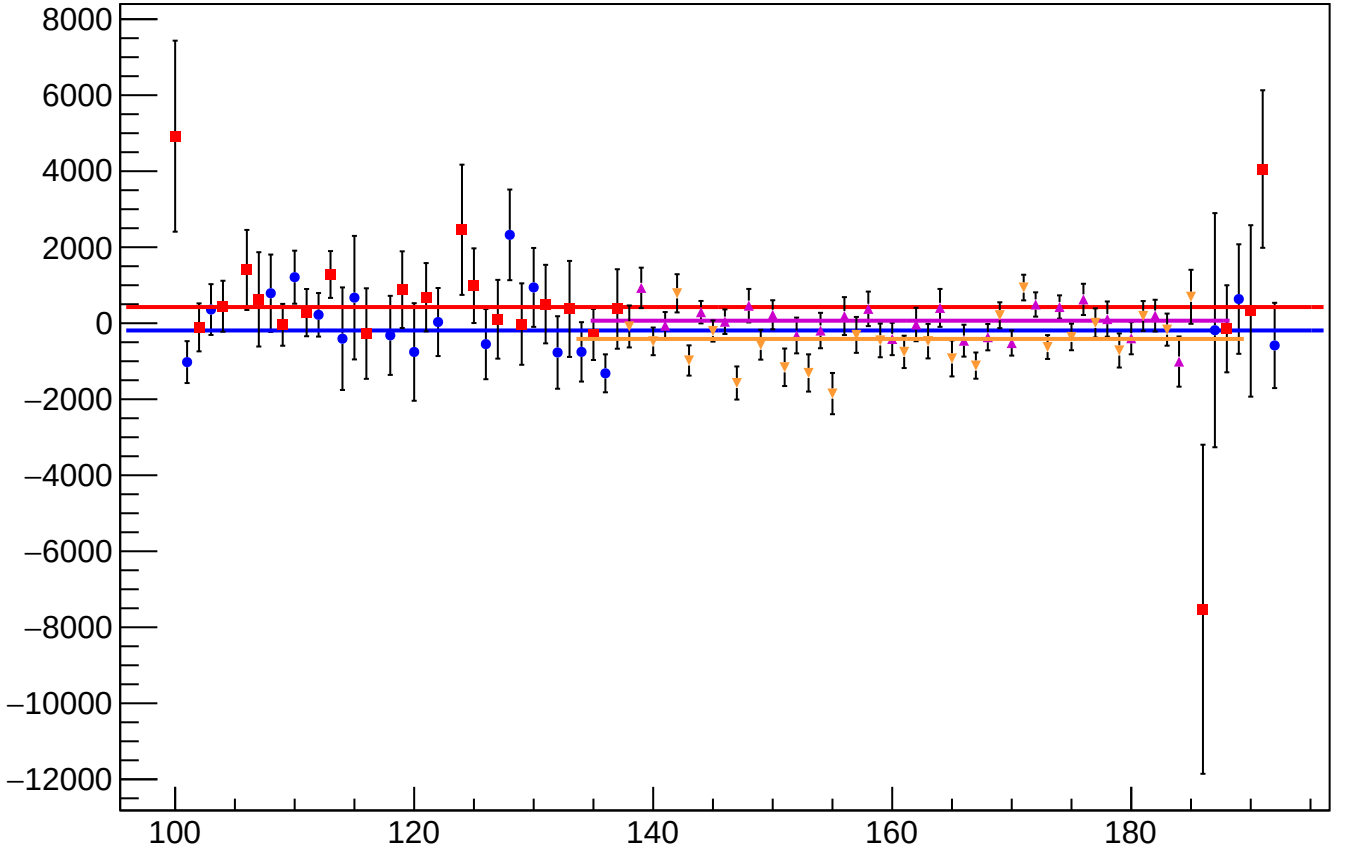
Right: 62.365+/-0.011 χ^2/NDF: 3908035.6/41

In: 59.063+/-0.008 χ^2/NDF:2772393.2/41

Out: 59.049+/-0.008 χ^2/NDF:3750359.4/47

All: 59.056+/-0.006 χ^2/NDF: 6522754.0/89

asym_sam_1357_avg_dit_correction_mean vs Slug, Sign Corrected



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: 425.612+/-192.411 χ^2/NDF: 18.0/22

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

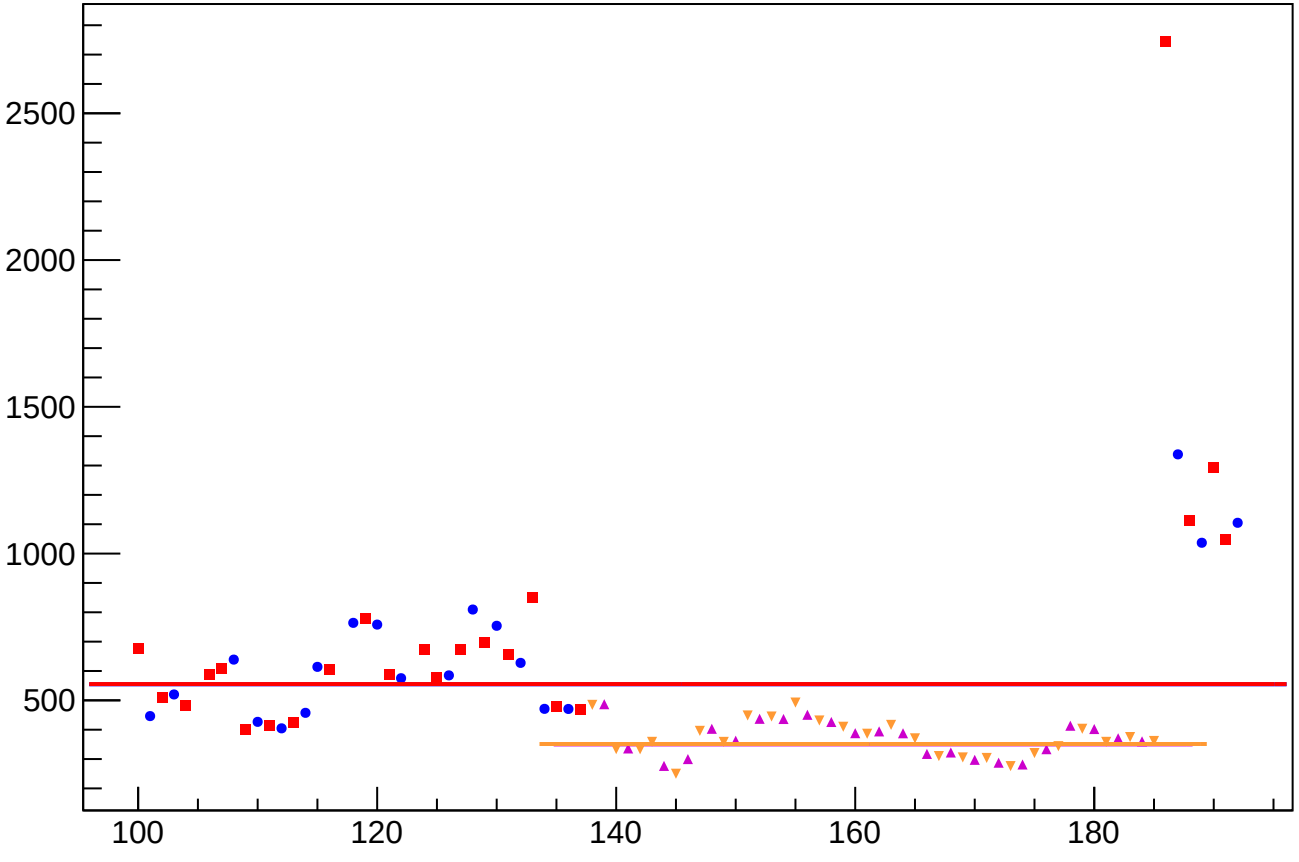
Right: 122.094+/-137.048 χ^2/NDF: 44.3/41

In: 27.225+/-76.449 χ^2/NDF:45.6/41

Out: -286.445+/-74.760 χ^2/NDF:95.5/47

All: -133.113+/-53.450 χ^2/NDF: 149.7/89

asym_sam_1357_avg_dit_correction_rms vs Slug, Sign Corrected



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: 555.463+/-0.136 χ^2/NDF: 2051261.4/22

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

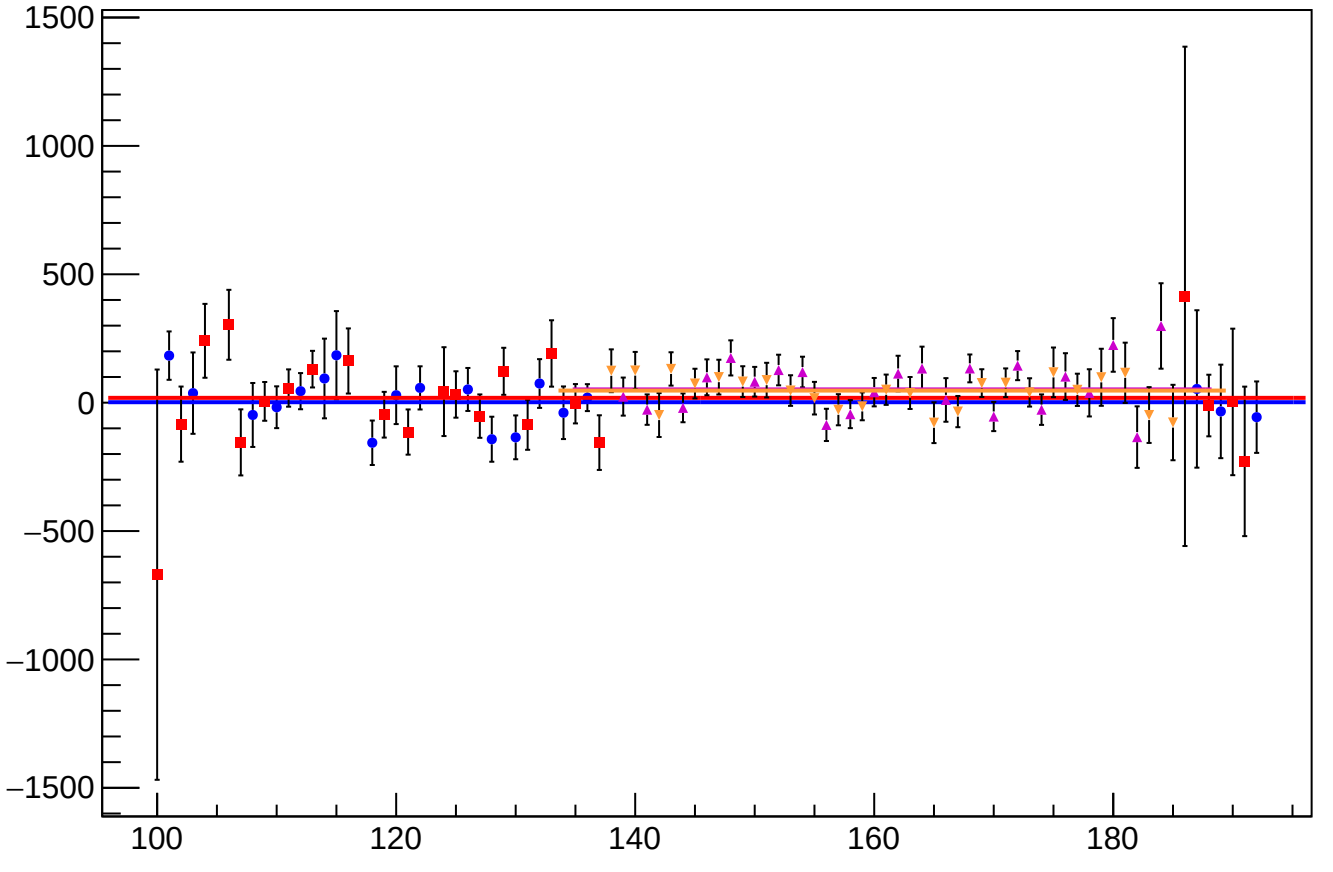
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 555.033+/-0.097 χ^2/NDF: 3589951.9/41

In: 381.207+/-0.054 χ^2/NDF:4391733.6/41

Out: 382.091+/-0.053 χ^2/NDF:5082000.8/47

All: 381.659+/-0.038 χ^2/NDF: 9473871.1/89



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: 18.776+/-22.230 χ^2/NDF: 25.4/22

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

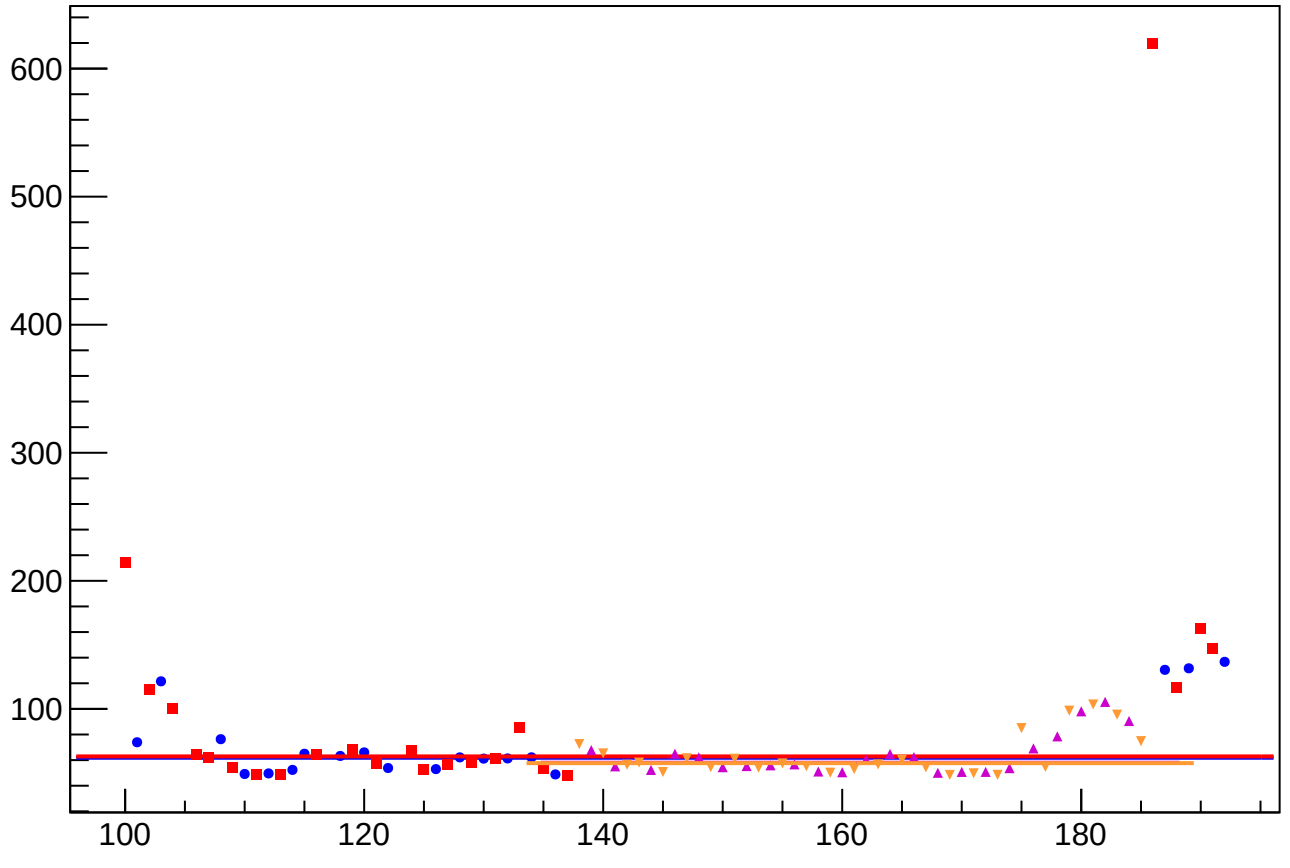
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 10.193+/-15.627 χ^2/NDF: 42.1/41

In: 37.356+/-11.767 χ^2/NDF:58.3/41

Out: 39.497+/-11.546 χ^2/NDF:43.6/47

All: 38.447+/-8.241 χ^2/NDF: 101.8/89



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: 62.887+/-0.016 χ^2/NDF: 2303259.5/22

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

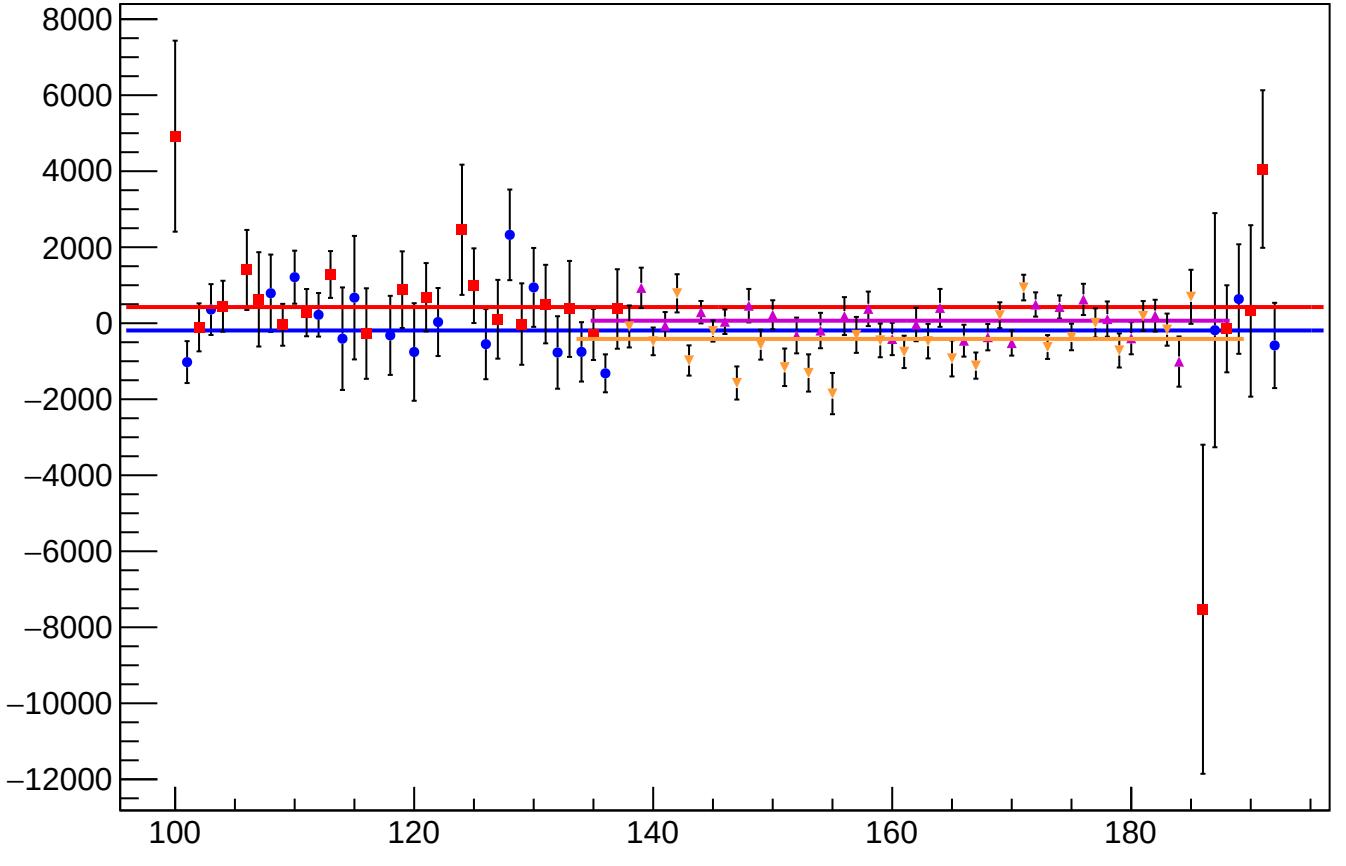
Right: 62.365+/-0.011 χ^2/NDF: 3908033.0/41

In: 59.063+/-0.008 χ^2/NDF:2772375.1/41

Out: 59.049+/-0.008 χ^2/NDF:3750356.2/47

All: 59.056+/-0.006 χ^2/NDF: 6522732.7/89

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: 425.612+/-192.411 χ^2/NDF: 18.0/22

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

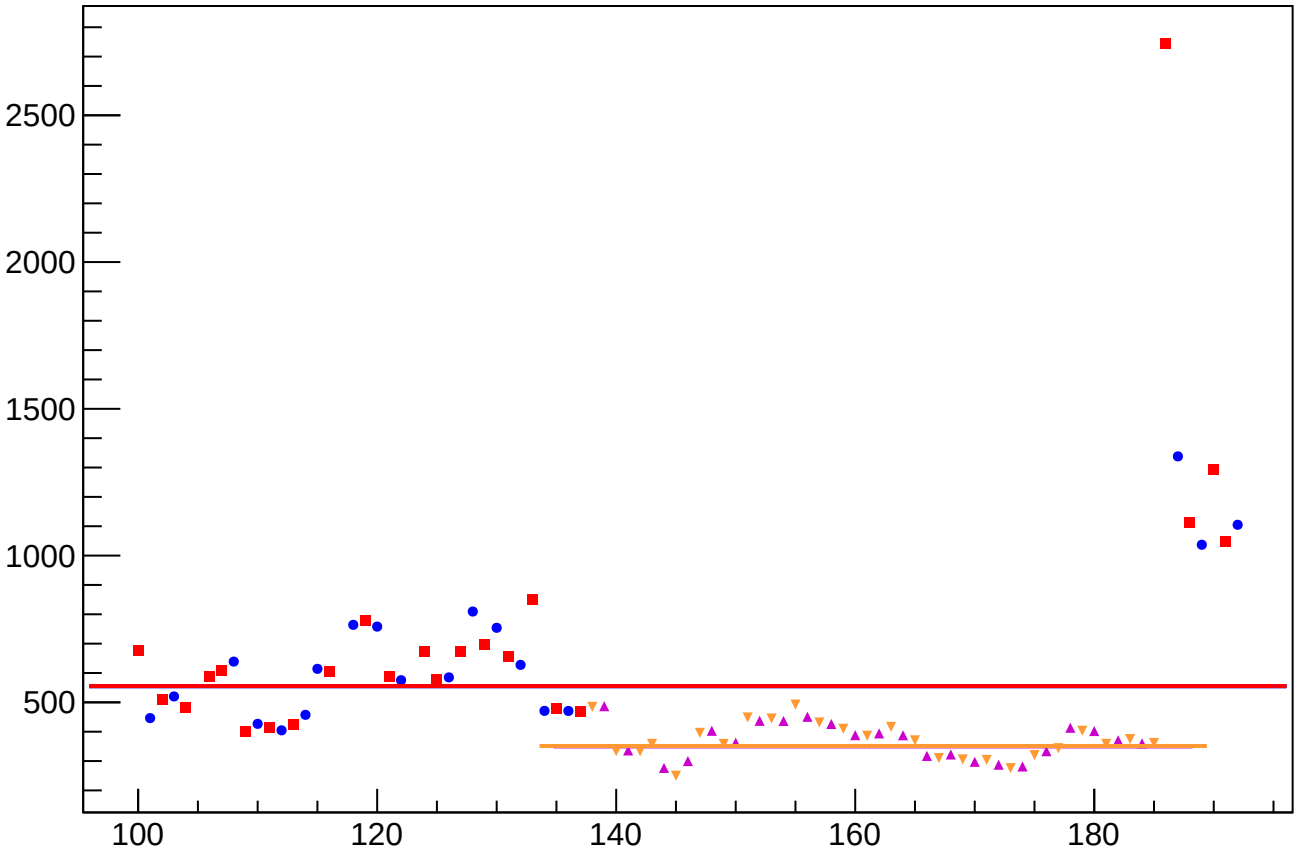
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 122.094+/-137.048 χ^2/NDF: 44.3/41

In: 27.225+/-76.448 χ^2/NDF:45.6/41

Out: -286.444+/-74.760 χ^2/NDF:95.5/47

All: -133.113+/-53.450 χ^2/NDF: 149.7/89



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: 555.462+/-0.136 χ^2/NDF: 2051264.0/22

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

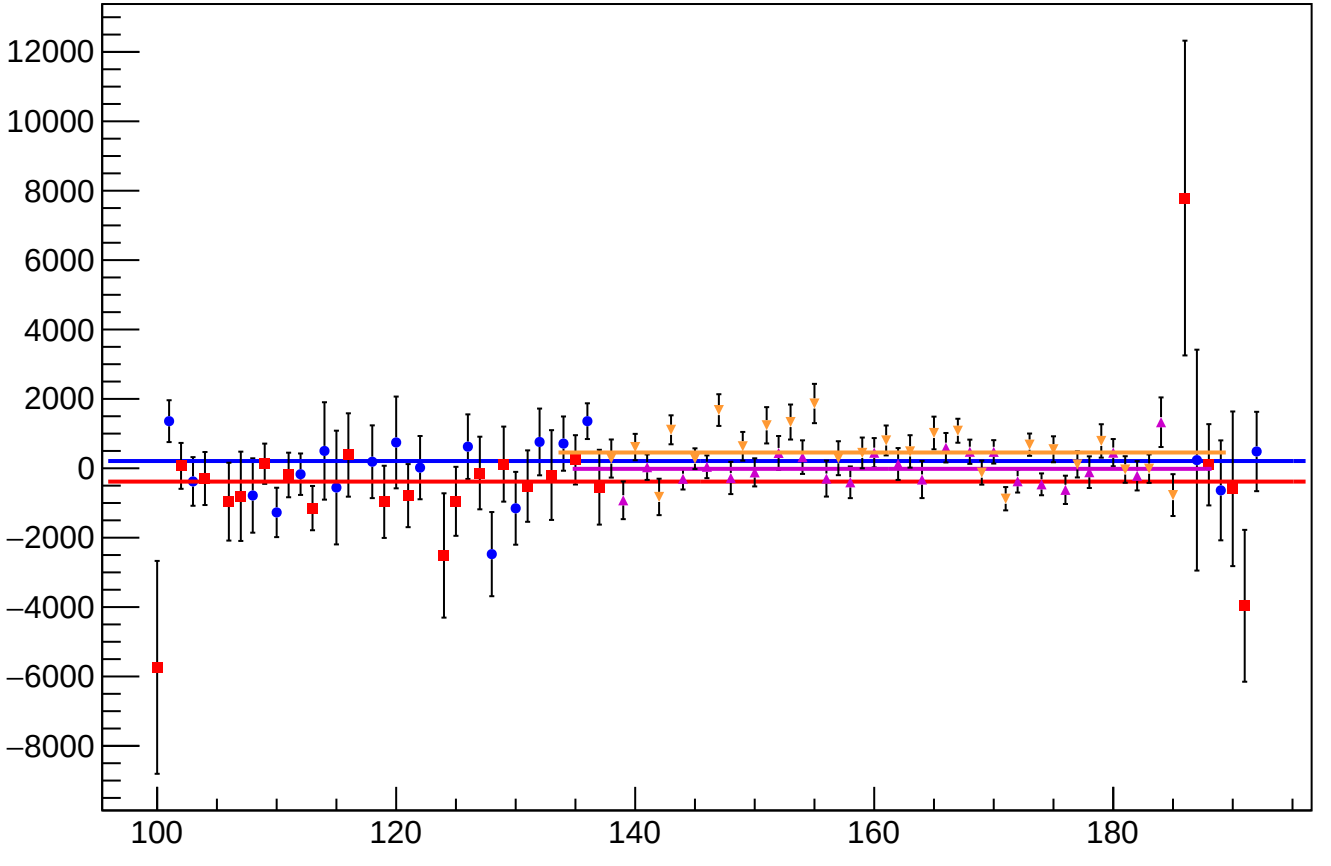
Right: 555.032+/-0.097 χ^2/NDF: 3589960.2/41

In: 381.206+/-0.054 χ^2/NDF:4391721.7/41

Out: 382.090+/-0.053 χ^2/NDF:5081990.8/47

All: 381.658+/-0.038 χ^2/NDF: 9473849.3/89

asym_sam_1357_avg_mean vs Slug, Sign Corrected



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: -383.466+/-200.610 χ^2/NDF: 16.1/22

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

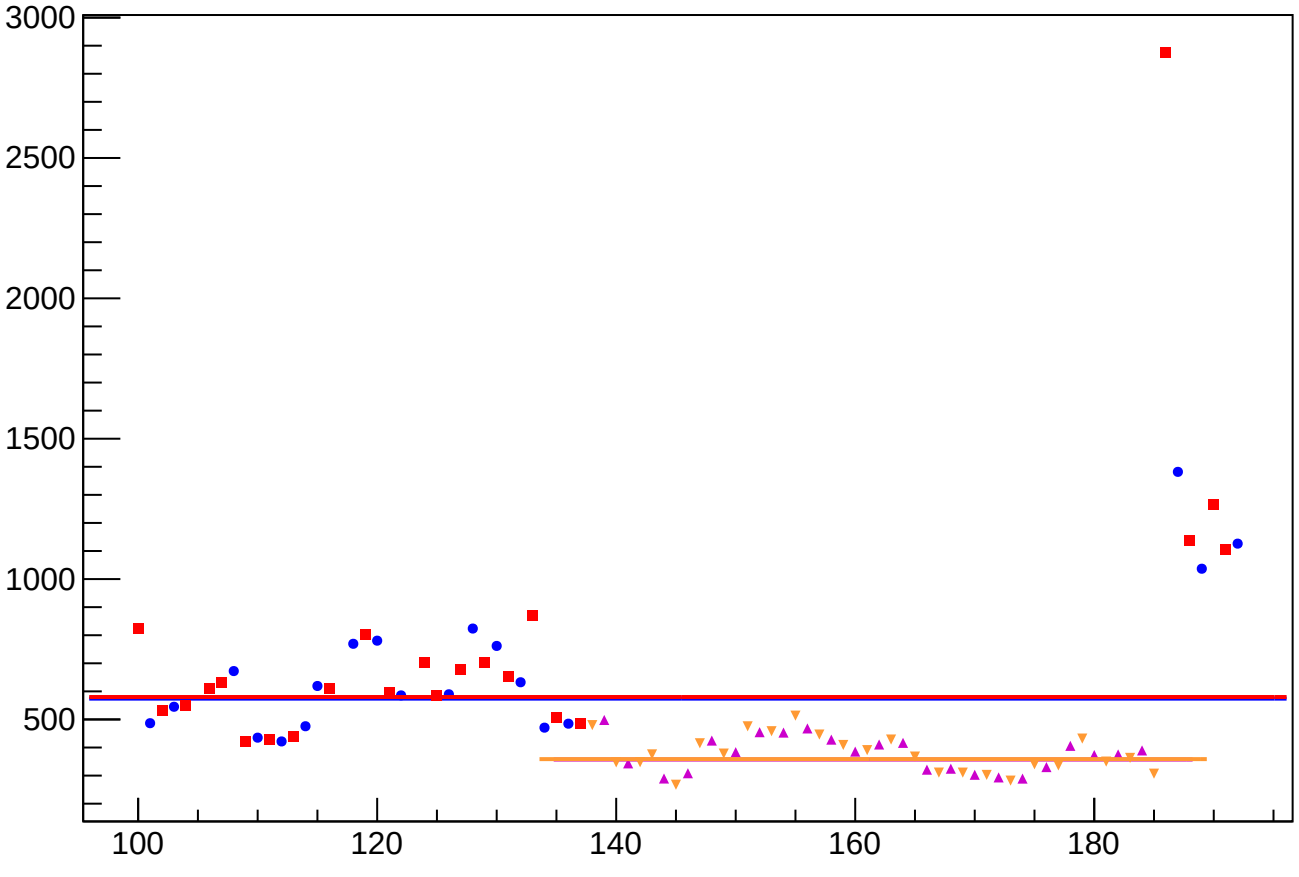
Right: -88.702+/-142.247 χ^2/NDF: 43.7/41

In: 17.802+/-78.198 χ^2/NDF:49.2/41

Out: 332.749+/-76.664 χ^2/NDF:91.9/47

All: 178.395+/-54.744 χ^2/NDF: 149.3/89

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: 579.889+/-0.142 χ^2/NDF: 1952823.5/22

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

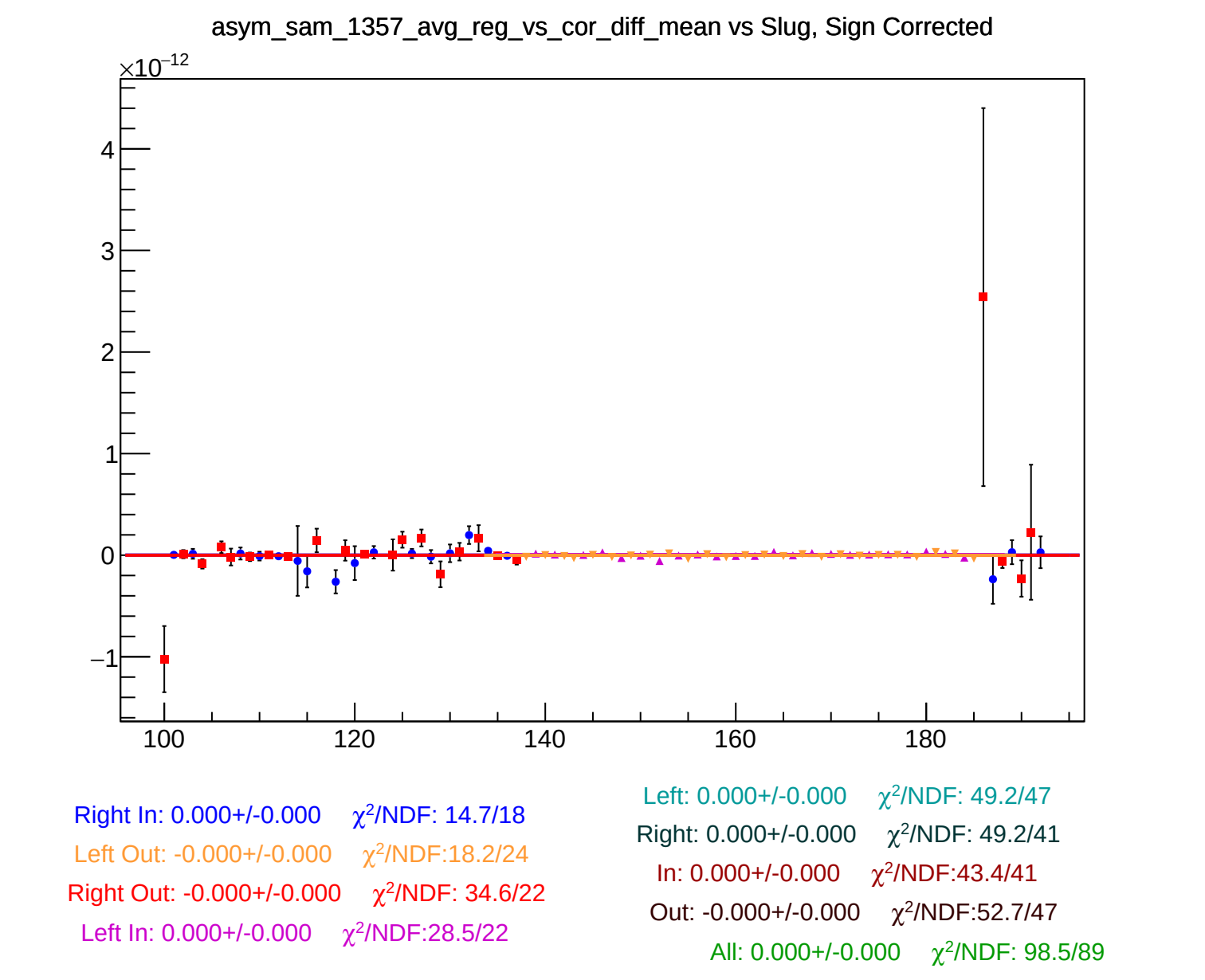
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

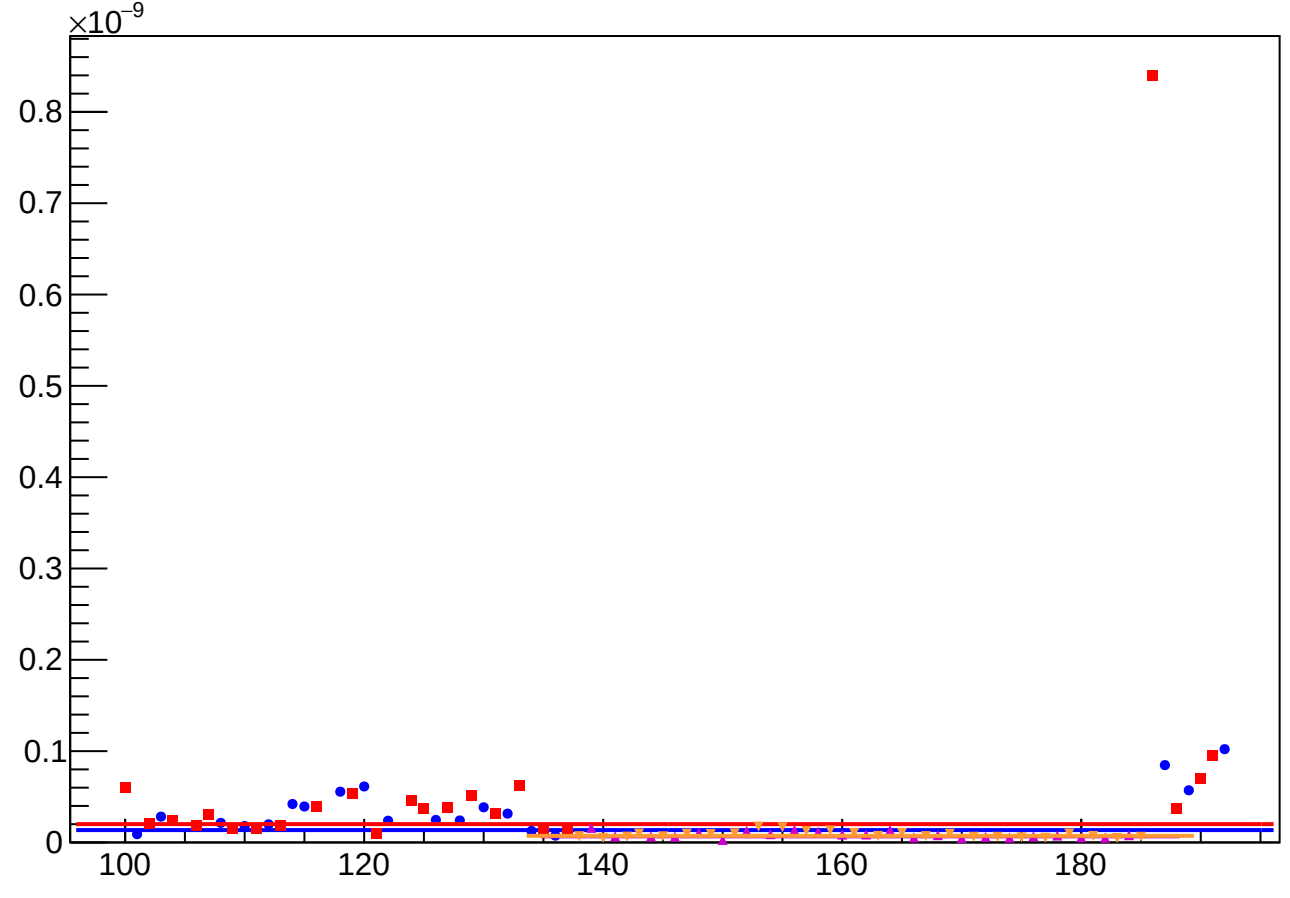
Right: 577.064+/-0.101 χ^2/NDF: 3405434.5/41

In: 389.793+/-0.055 χ^2/NDF:4400404.2/41

Out: 390.983+/-0.054 χ^2/NDF:5149092.0/47

All: 390.400+/-0.039 χ^2/NDF: 9549732.5/89


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: 34.6/22
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: 49.2/41
In: 0.000+/-0.000 χ²/NDF:43.4/41
Out: -0.000+/-0.000 χ²/NDF:52.7/47
All: 0.000+/-0.000 χ²/NDF: 98.5/89



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: 2075341.5/22

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

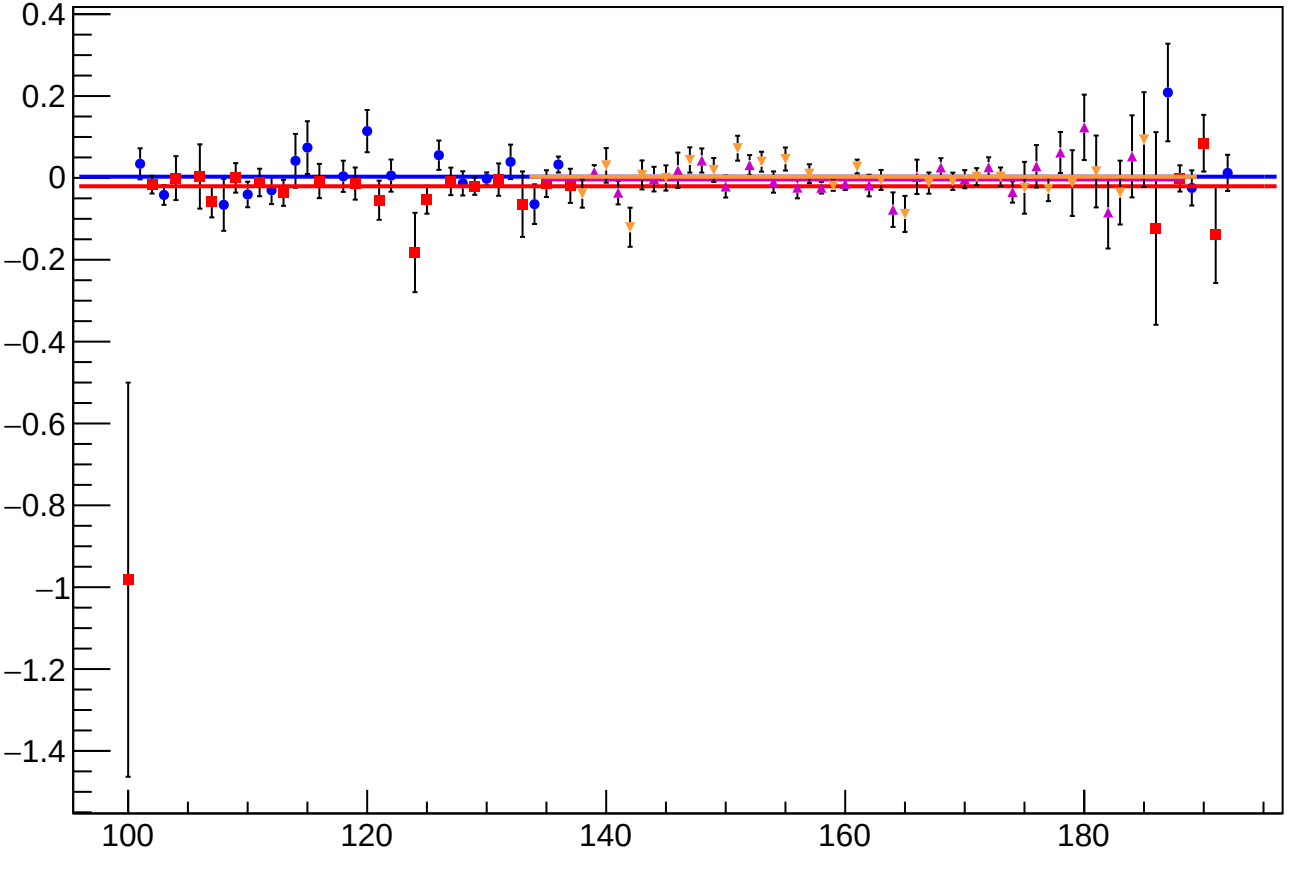
Right: 0.000+/-0.000 χ^2/NDF: 5309573.4/41

In: 0.000+/-0.000 χ^2/NDF:5659319.8/41

Out: 0.000+/-0.000 χ^2/NDF:5699308.0/47

All: 0.000+/-0.000 χ^2/NDF: 11420175.7/89

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: -0.020+/-0.008 χ^2/NDF: 14.7/22

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

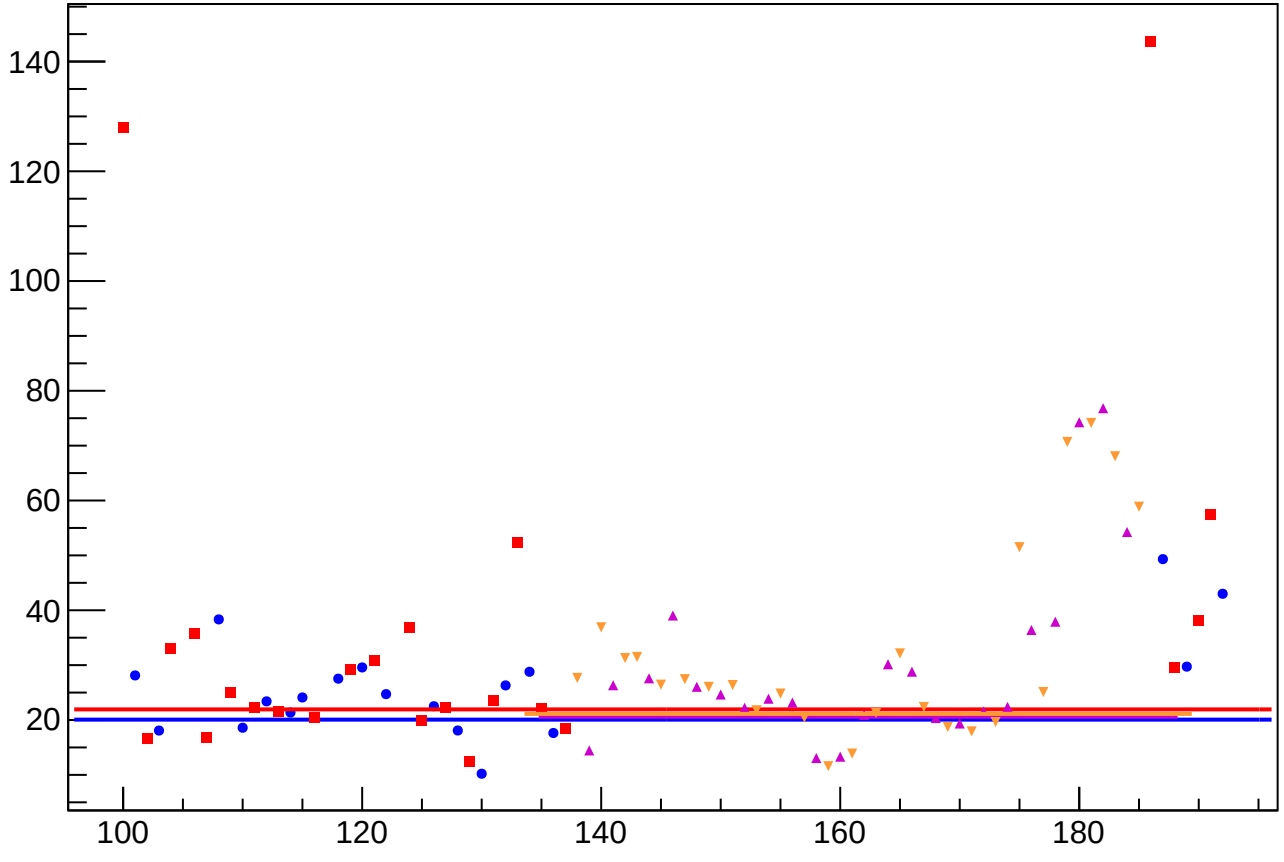
Right: -0.008+/-0.006 χ^2/NDF: 44.5/41

In: -0.002+/-0.004 χ^2/NDF:50.5/41

Out: -0.004+/-0.005 χ^2/NDF:53.1/47

All: -0.003+/-0.003 χ^2/NDF: 103.9/89

asym_sam_1357_avg_dit_vs_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: 21.937+/-0.006 χ^2/NDF: 2264382.5/22

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

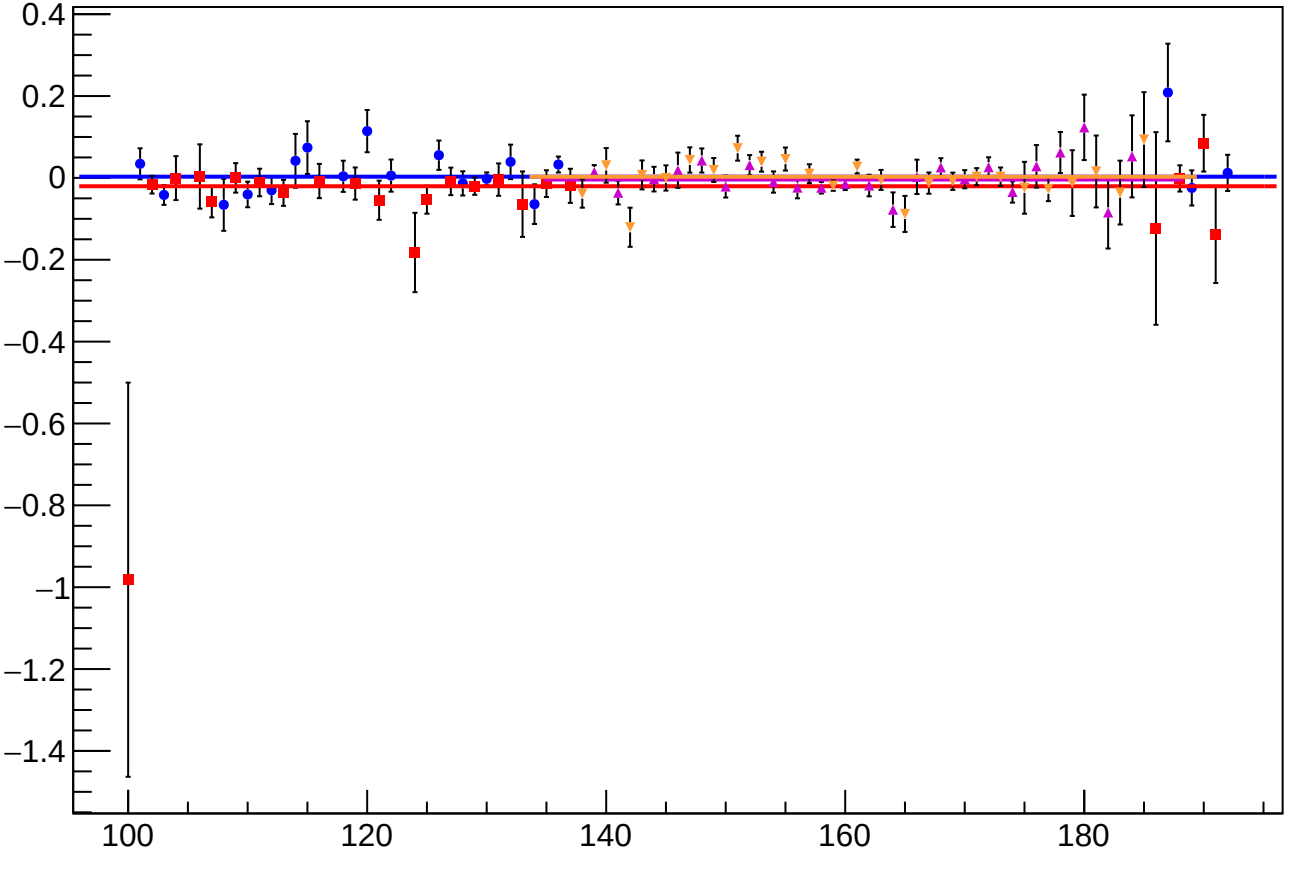
Right: 20.939+/-0.004 χ^2/NDF: 4514886.6/41

In: 20.413+/-0.003 χ^2/NDF:6799344.2/41

Out: 21.367+/-0.003 χ^2/NDF:7825325.6/47

All: 20.878+/-0.002 χ^2/NDF: 14670288.3/89

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: -0.020+/-0.008 χ^2/NDF: 14.7/22

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

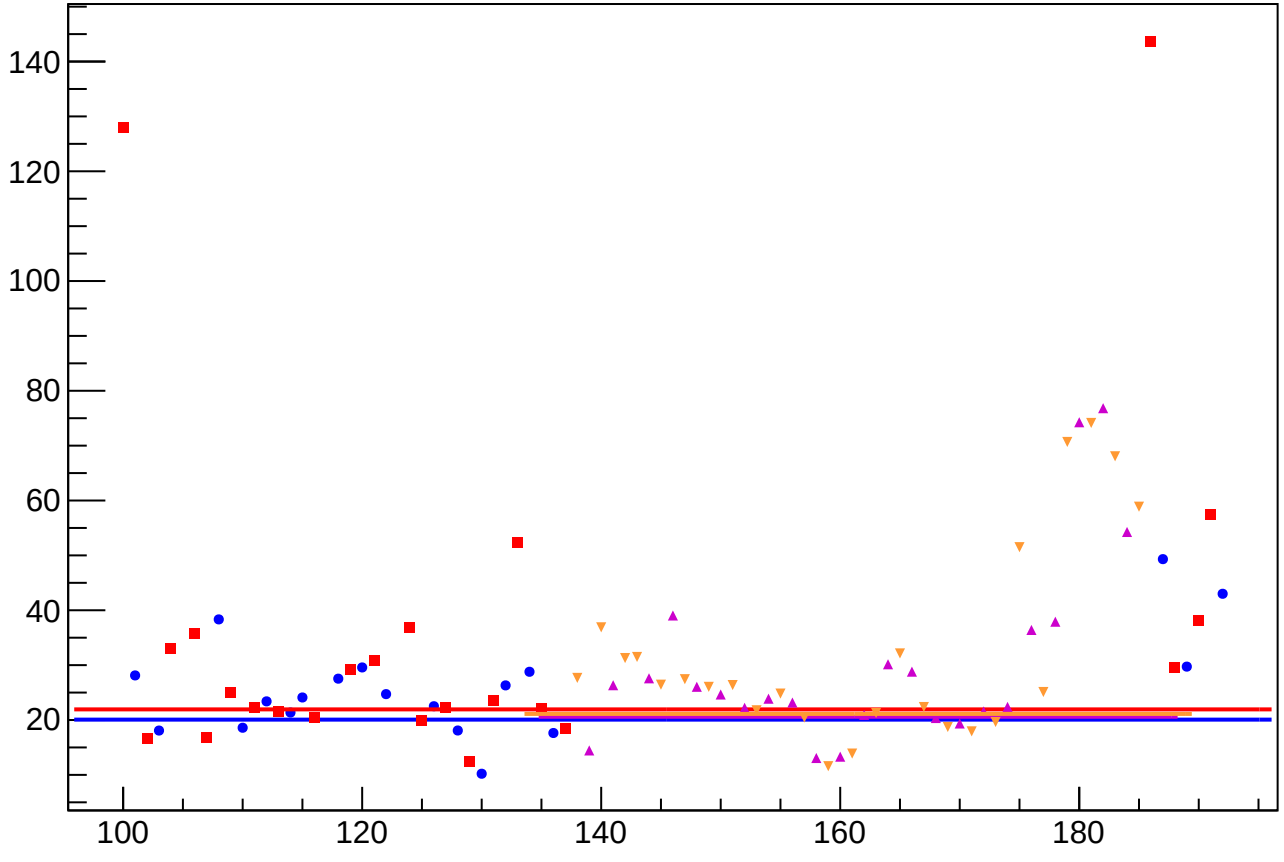
Right: -0.008+/-0.006 χ^2/NDF: 44.5/41

In: -0.002+/-0.004 χ^2/NDF:50.5/41

Out: -0.004+/-0.005 χ^2/NDF:53.1/47

All: -0.003+/-0.003 χ^2/NDF: 103.9/89

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: 21.937+/-0.006 χ^2/NDF: 2264382.5/22

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

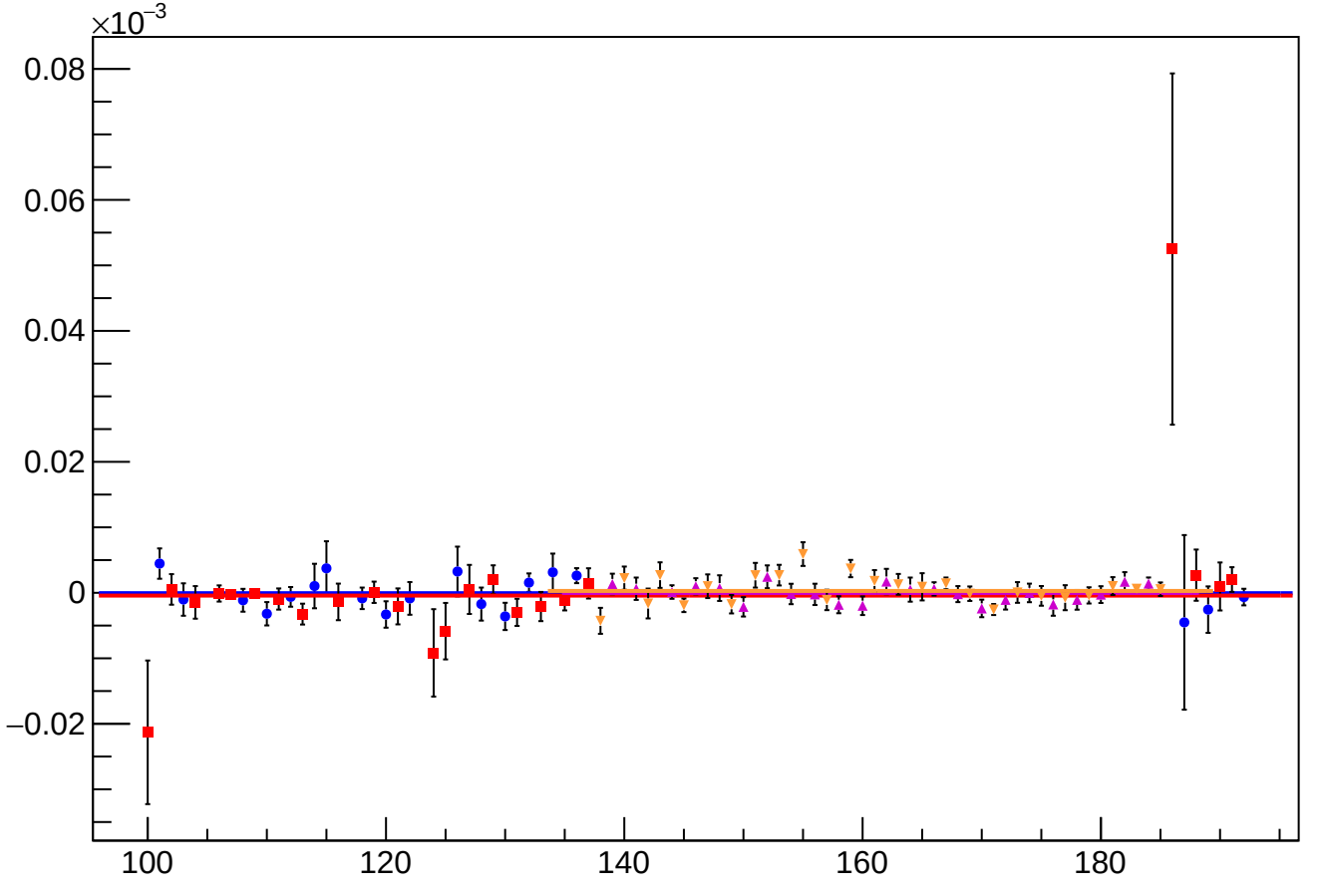
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 20.939+/-0.004 χ^2/NDF: 4514886.6/41

In: 20.413+/-0.003 χ^2/NDF:6799344.2/41

Out: 21.367+/-0.003 χ^2/NDF:7825325.6/47

All: 20.878+/-0.002 χ^2/NDF: 14670288.3/89



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: 22.1/22

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

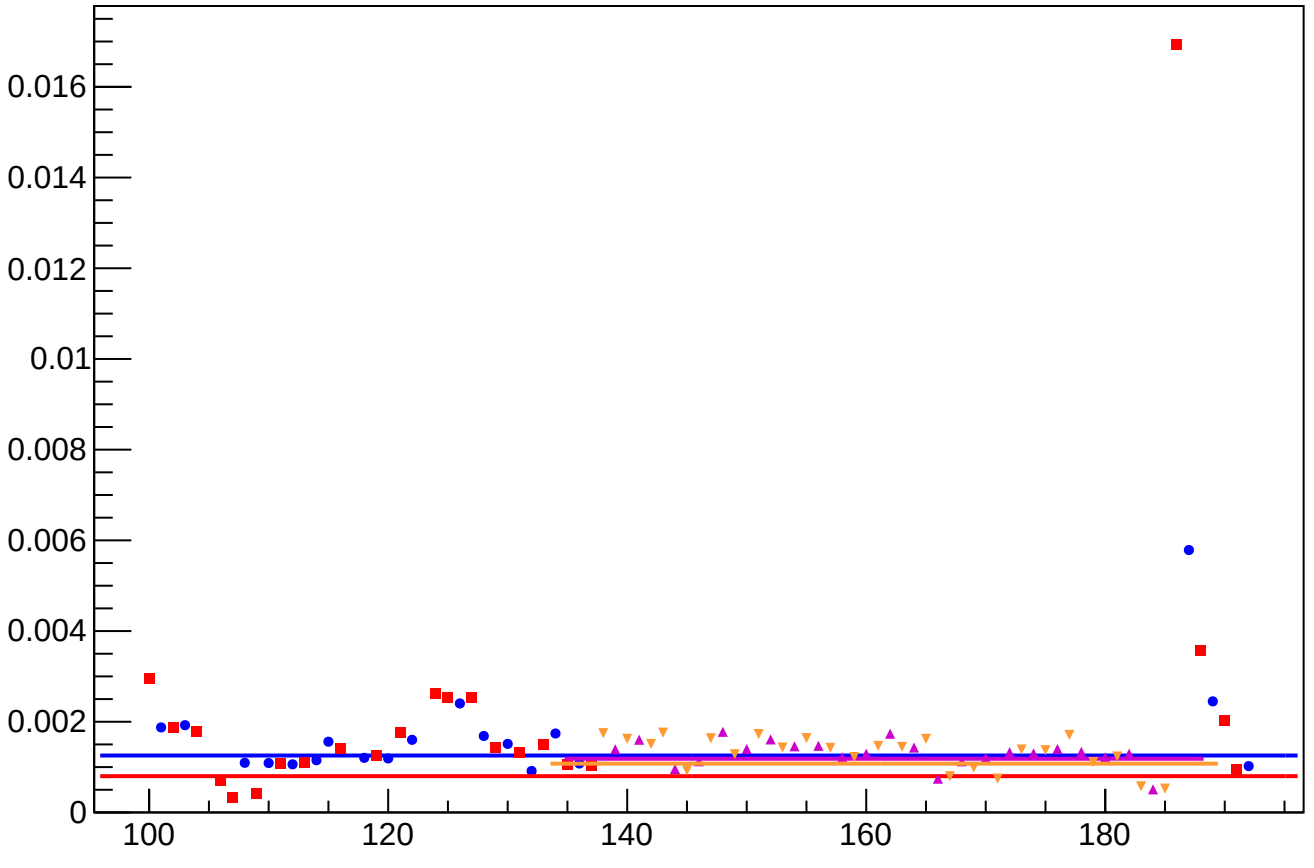
Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

Right: -0.000+/-0.000 χ^2/NDF: 47.0/41

In: -0.000+/-0.000 χ^2/NDF:44.2/41

Out: 0.000+/-0.000 χ^2/NDF:77.6/47

All: -0.000+/-0.000 χ^2/NDF: 121.8/89



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: 6666121.1/22

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

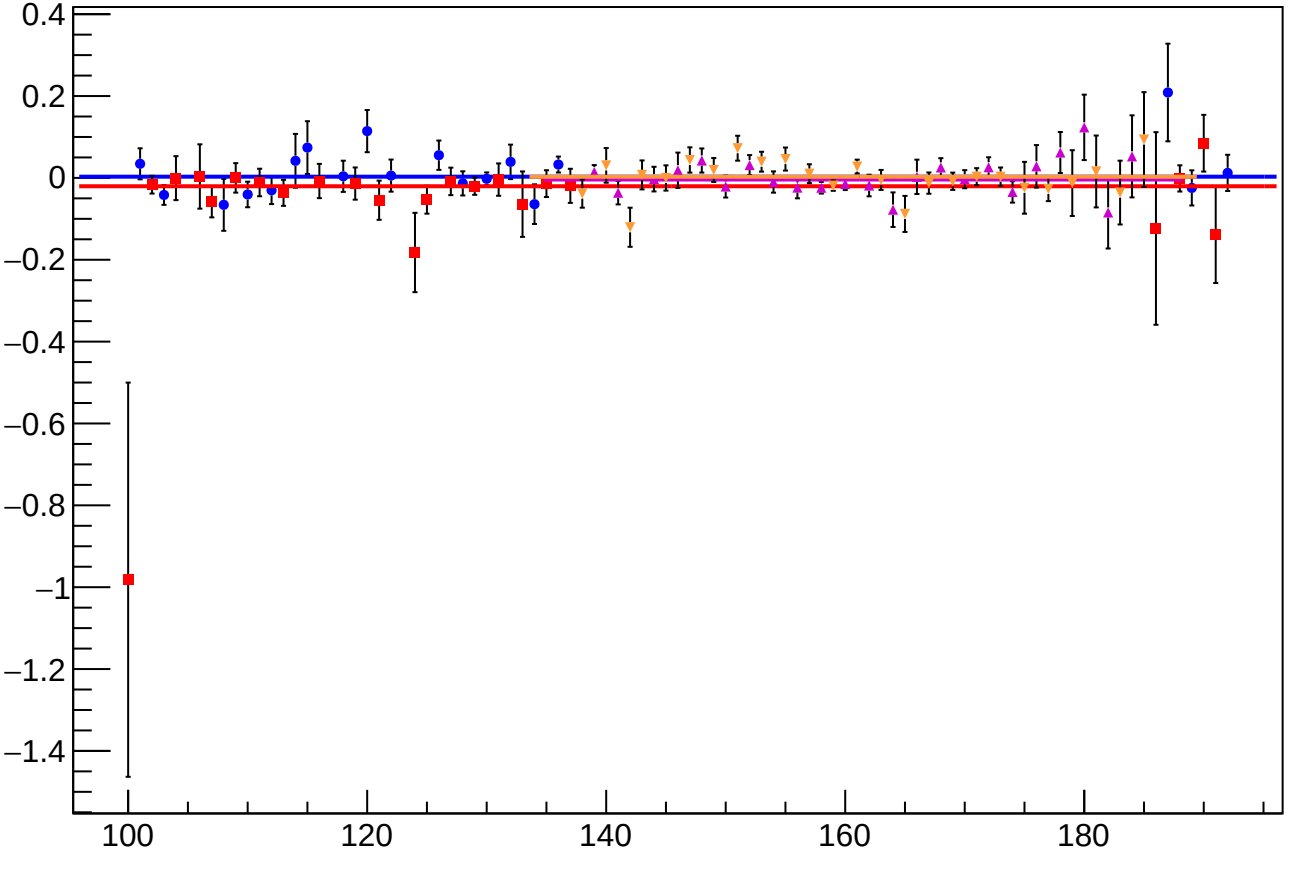
Right: 0.001+/-0.000 χ^2/NDF: 9425151.6/41

In: 0.001+/-0.000 χ^2/NDF:3924601.1/41

Out: 0.001+/-0.000 χ^2/NDF:12069384.4/47

All: 0.001+/-0.000 χ^2/NDF: 17089275.8/89

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: -0.020+/-0.008 χ^2/NDF: 14.7/22

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

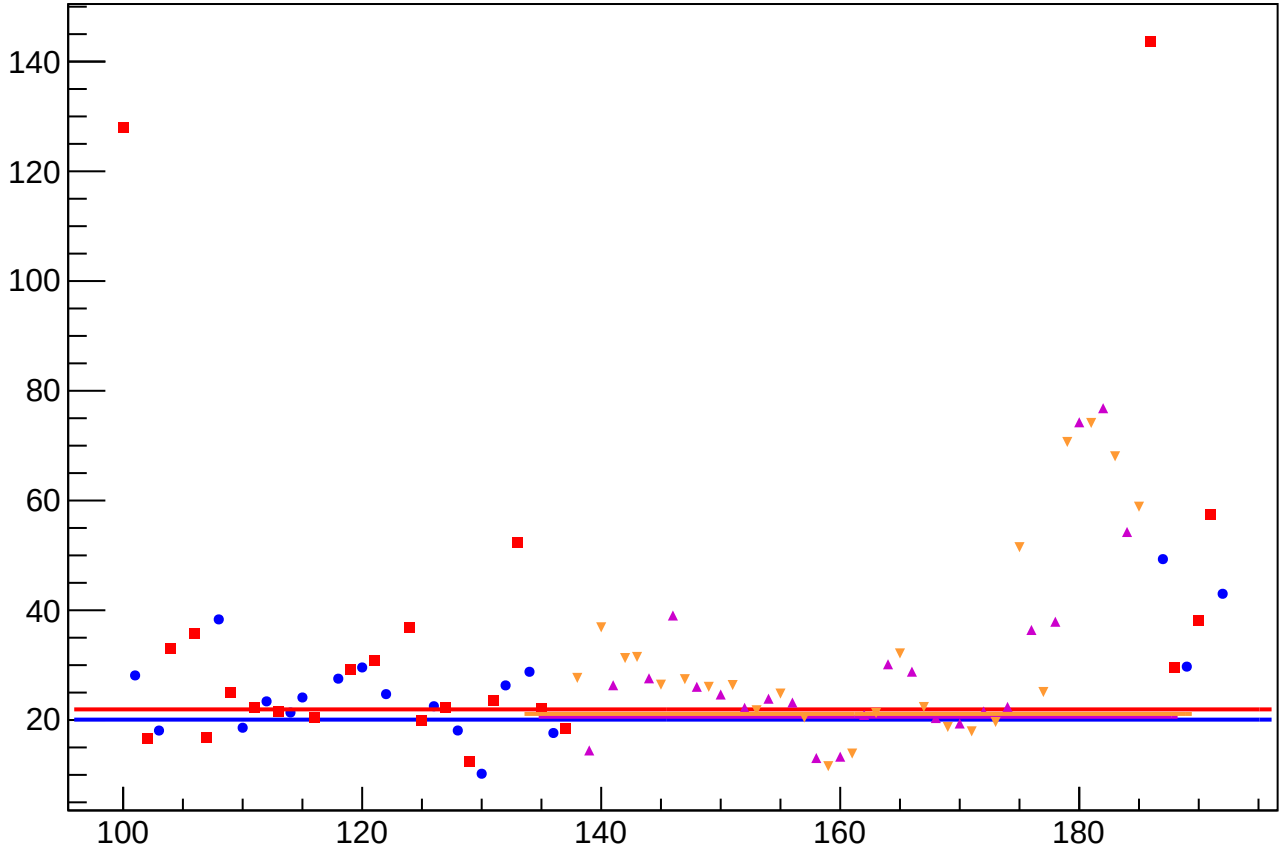
Right: -0.008+/-0.006 χ^2/NDF: 44.5/41

In: -0.002+/-0.004 χ^2/NDF:50.5/41

Out: -0.004+/-0.005 χ^2/NDF:53.1/47

All: -0.003+/-0.003 χ^2/NDF: 103.9/89

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: 21.937+/-0.006 χ^2/NDF: 2264364.2/22

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

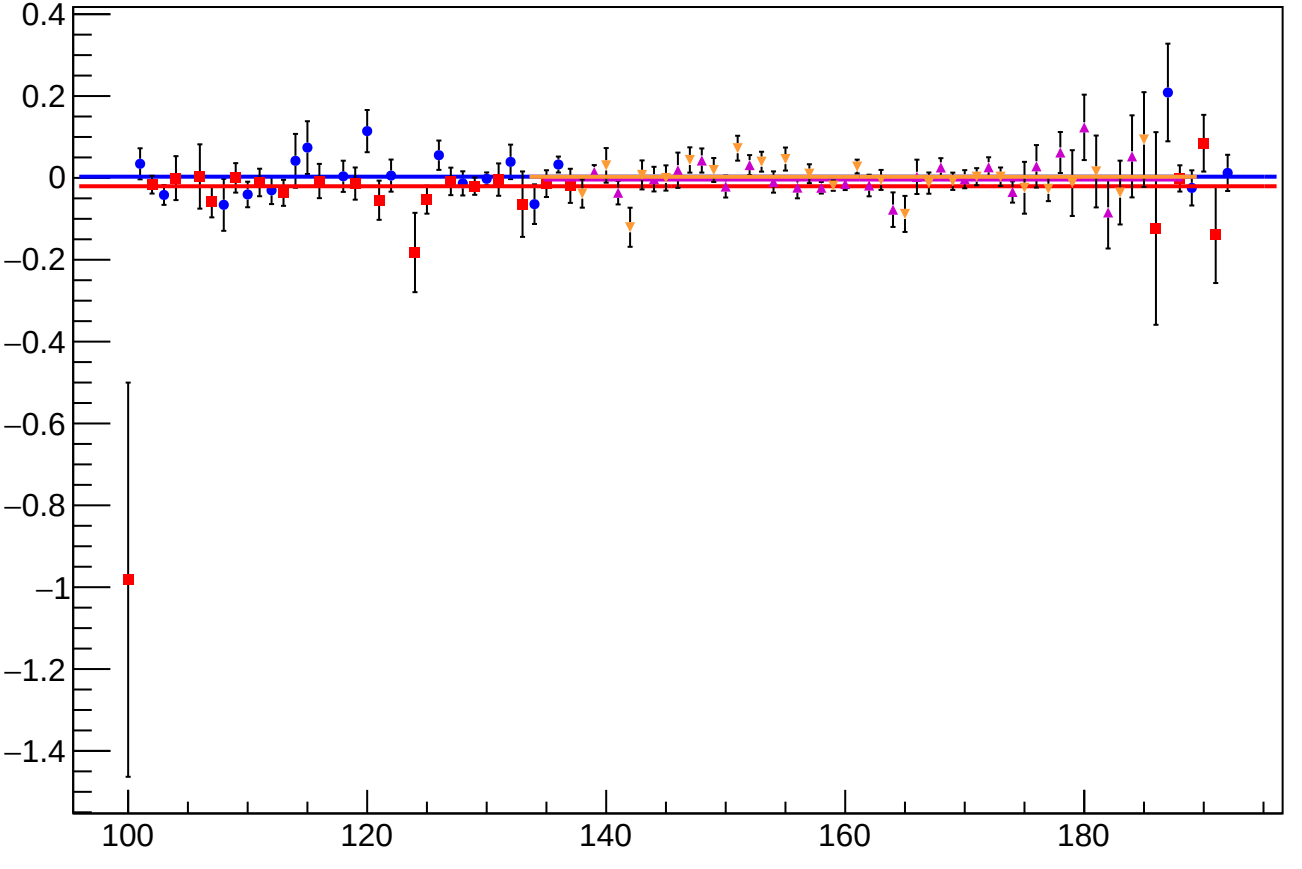
Right: 20.939+/-0.004 χ^2/NDF: 4514725.6/41

In: 20.414+/-0.003 χ^2/NDF:6799213.6/41

Out: 21.368+/-0.003 χ^2/NDF:7825447.4/47

All: 20.879+/-0.002 χ^2/NDF: 14670260.3/89

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: -0.020+/-0.008 χ^2/NDF: 14.7/22

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

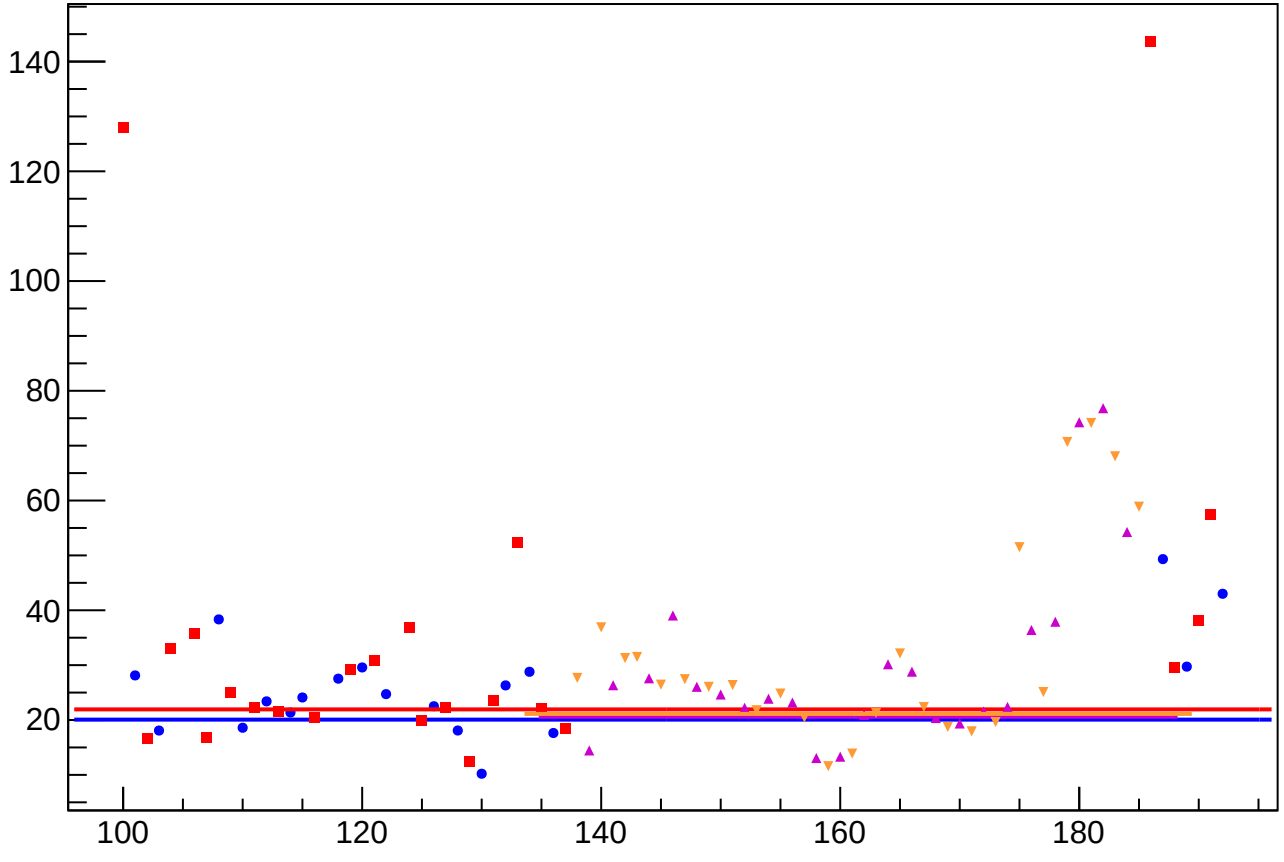
Right: -0.008+/-0.006 χ^2/NDF: 44.5/41

In: -0.002+/-0.004 χ^2/NDF:50.5/41

Out: -0.004+/-0.005 χ^2/NDF:53.1/47

All: -0.003+/-0.003 χ^2/NDF: 103.9/89

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: 21.937+/-0.006 χ^2/NDF: 2264364.2/22

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

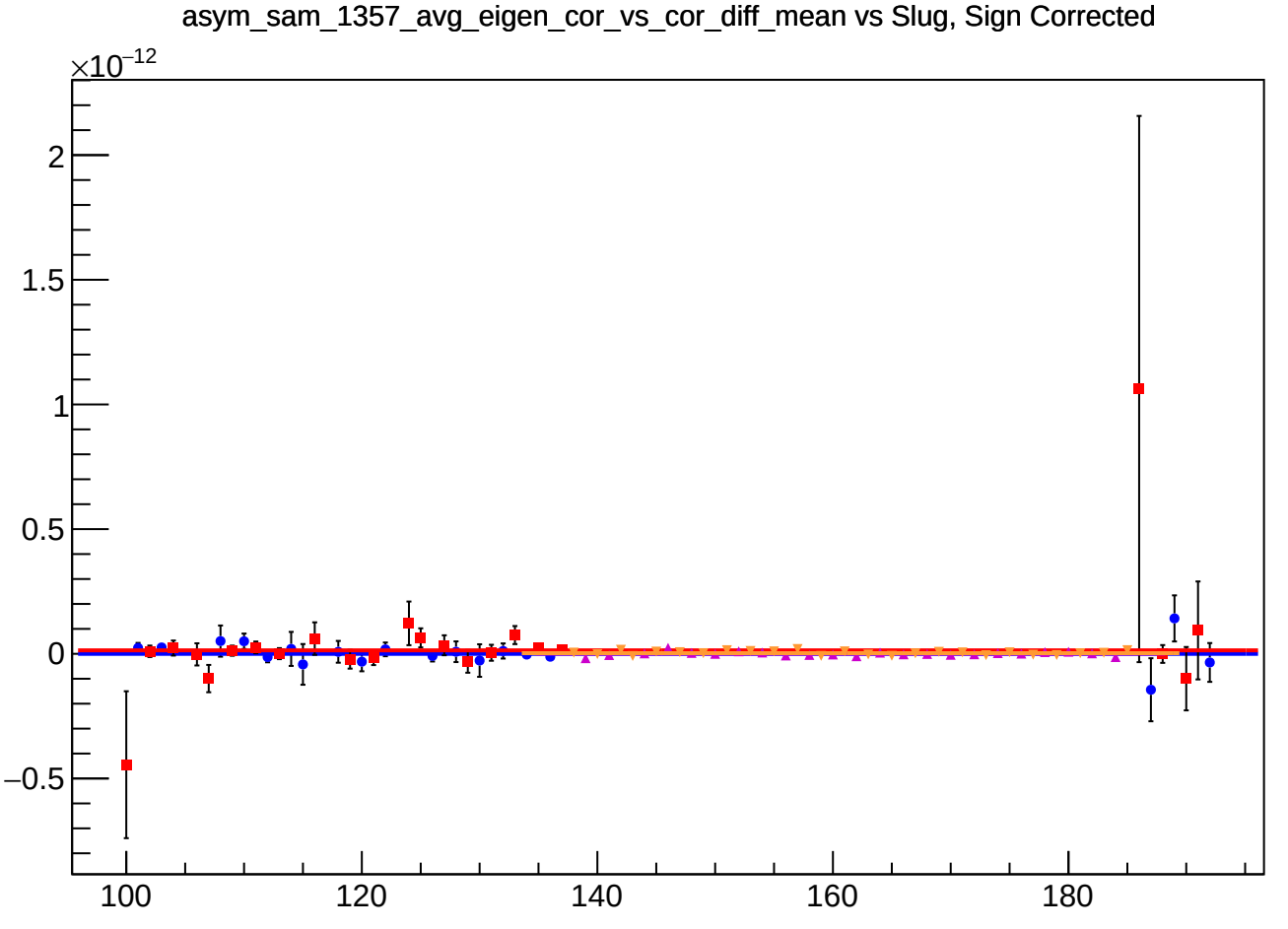
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 20.939+/-0.004 χ^2/NDF: 4514725.6/41

In: 20.414+/-0.003 χ^2/NDF:6799213.6/41

Out: 21.368+/-0.003 χ^2/NDF:7825447.4/47

All: 20.879+/-0.002 χ^2/NDF: 14670260.3/89



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: 19.7/22

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

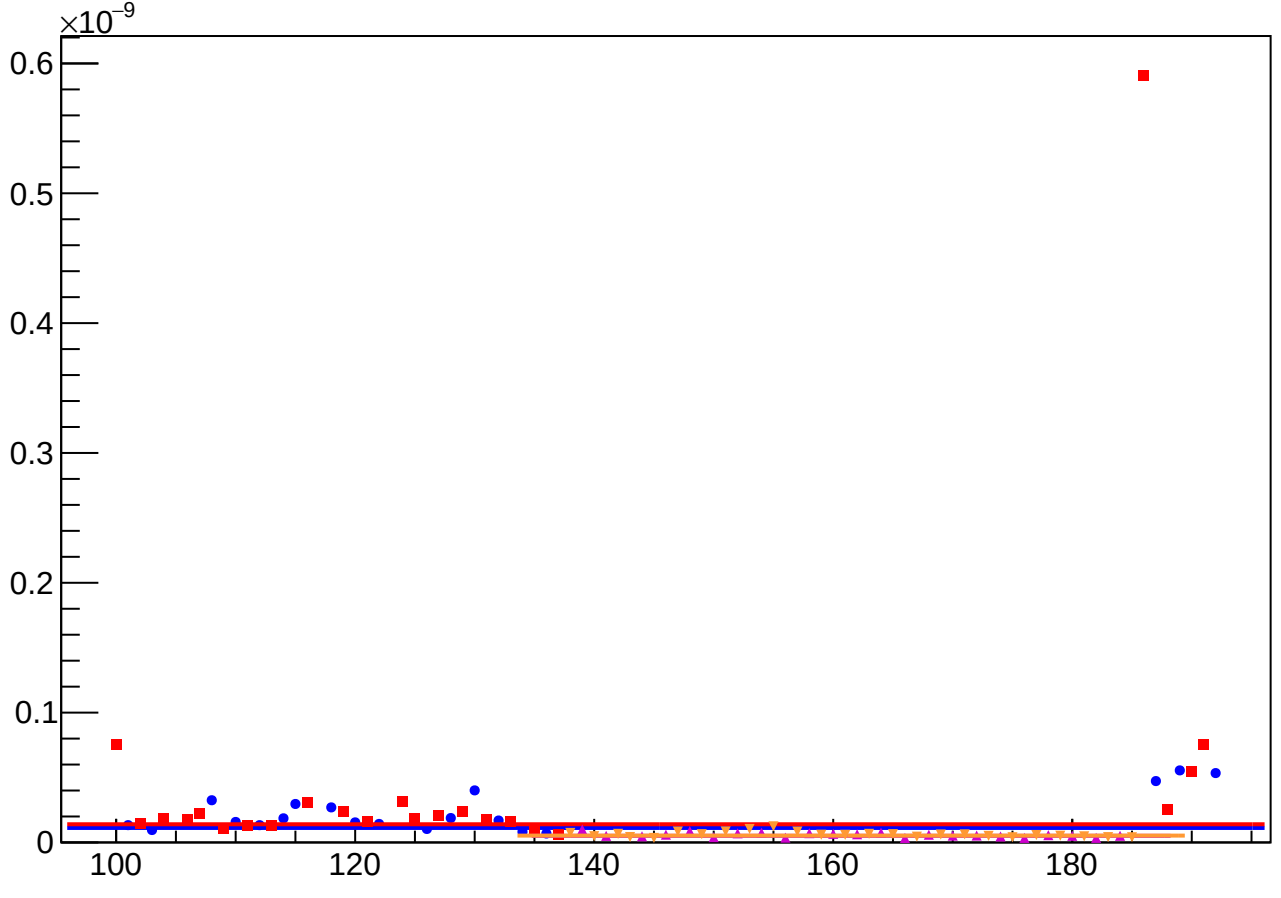
Right: 0.000+/-0.000 χ^2/NDF: 36.8/41

In: 0.000+/-0.000 χ^2/NDF:35.8/41

Out: 0.000+/-0.000 χ^2/NDF:43.2/47

All: 0.000+/-0.000 χ^2/NDF: 80.5/89

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 2570870.3/22

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

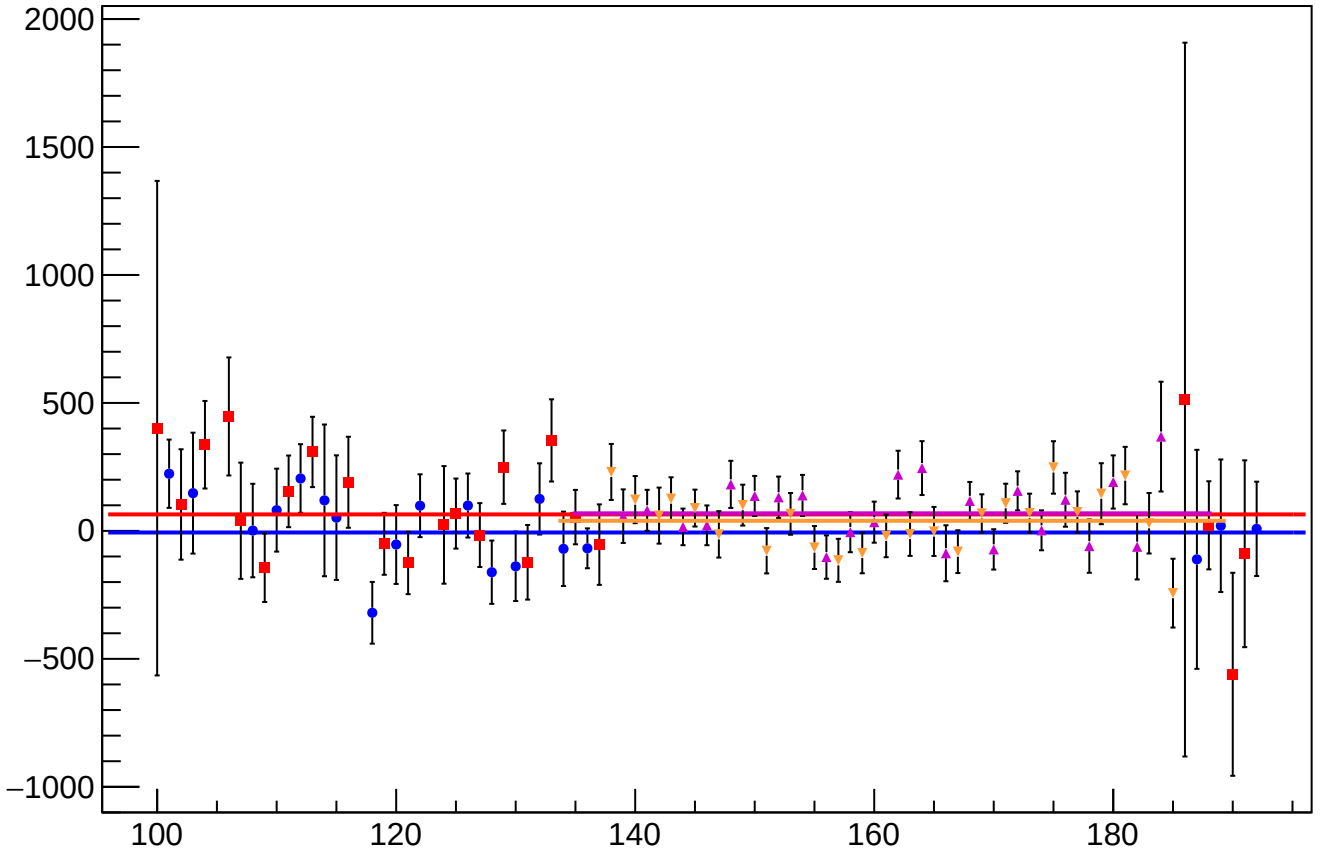
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 5856088.5/41

In: 0.000+/-0.000 χ^2/NDF:6984250.3/41

Out: 0.000+/-0.000 χ^2/NDF:8135280.5/47

All: 0.000+/-0.000 χ^2/NDF: 15142361.7/89



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: 64.419+/-33.904 χ^2/NDF: 25.7/22

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

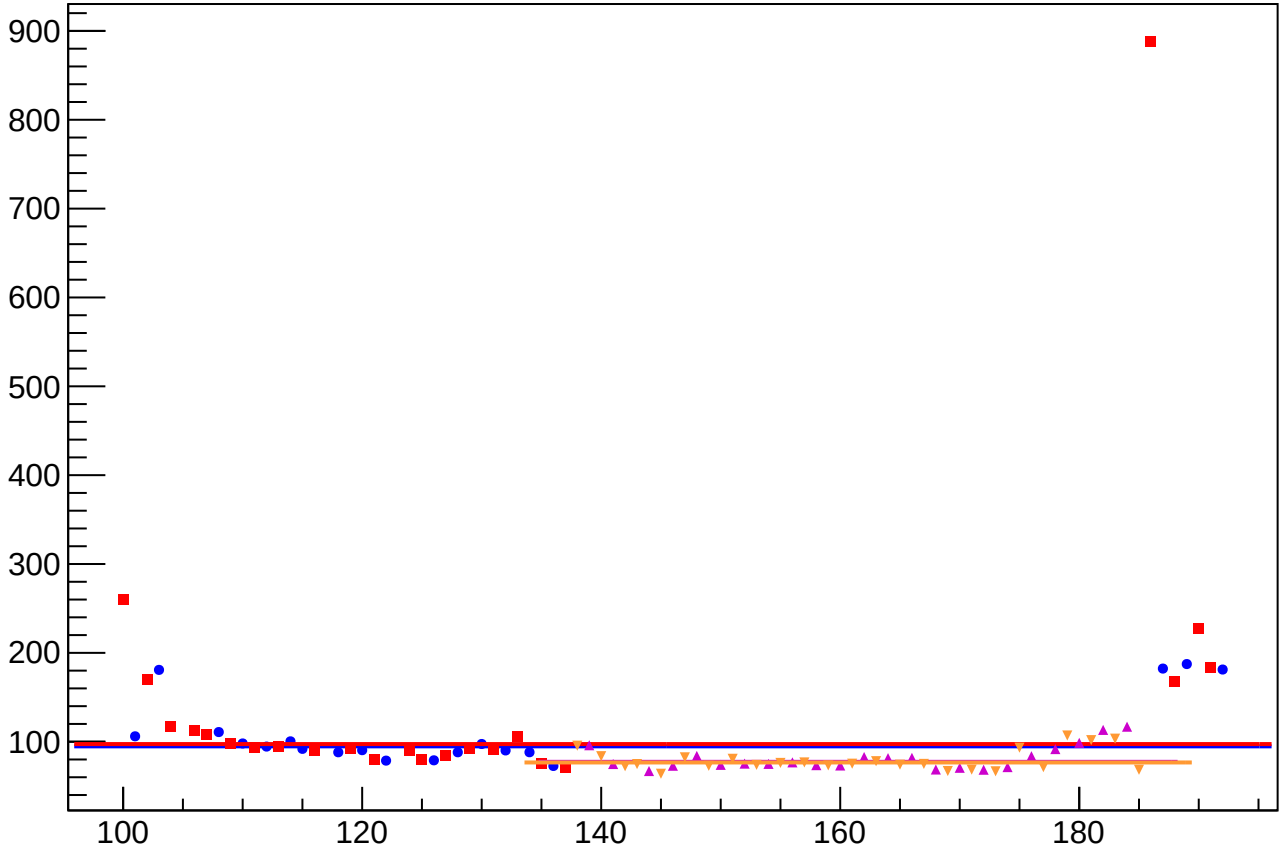
Right: 28.463+/-23.766 χ^2/NDF: 46.9/41

In: 51.242+/-16.052 χ^2/NDF:51.9/41

Out: 44.803+/-15.667 χ^2/NDF:58.0/47

All: 47.945+/-11.212 χ^2/NDF: 110.0/89

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



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: 97.346+/-0.024 χ^2/NDF: 1891631.7/22

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

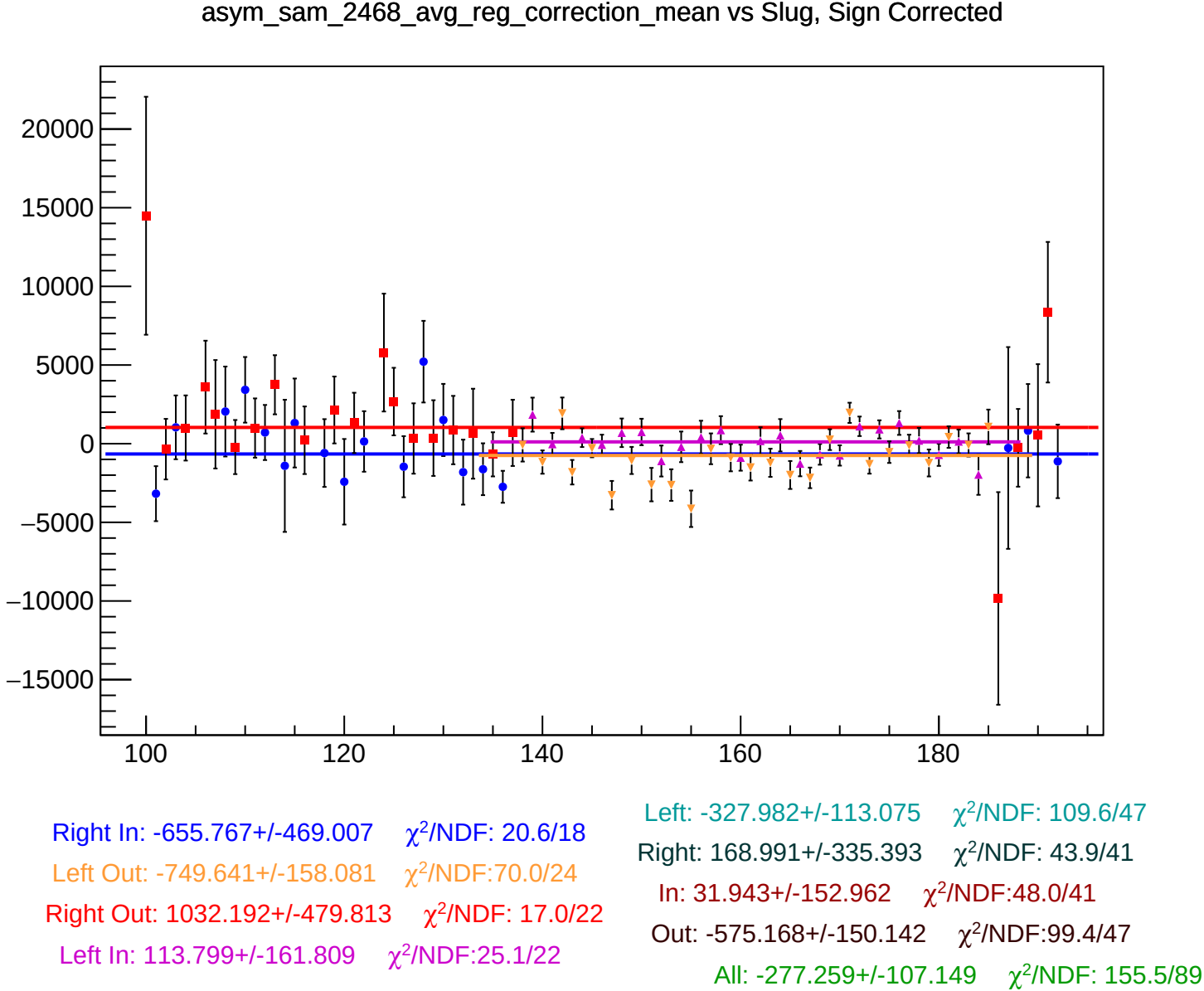
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

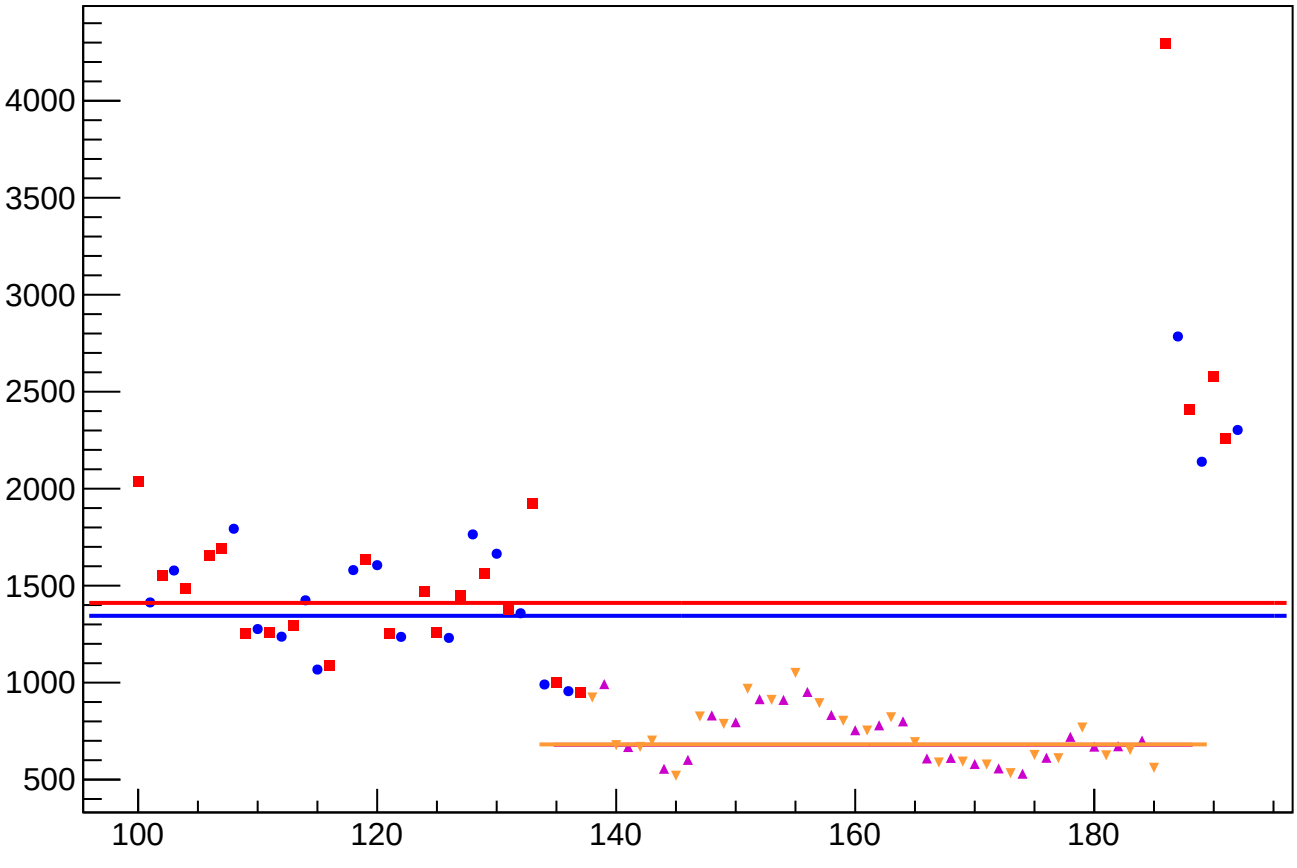
Right: 96.043+/-0.017 χ^2/NDF: 3221461.6/41

In: 81.394+/-0.011 χ^2/NDF:2334909.7/41

Out: 81.066+/-0.011 χ^2/NDF:3132522.5/47

All: 81.226+/-0.008 χ^2/NDF: 5467859.0/89


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: 1032.192+/-479.813 χ²/NDF: 17.0/22
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.982+/-113.075 χ²/NDF: 109.6/47
Right: 168.991+/-335.393 χ²/NDF: 43.9/41
In: 31.943+/-152.962 χ²/NDF:48.0/41
Out: -575.168+/-150.142 χ²/NDF:99.4/47
All: -277.259+/-107.149 χ²/NDF: 155.5/89



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: 1410.955+/-0.339 χ^2/NDF: 1417529.4/22

Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

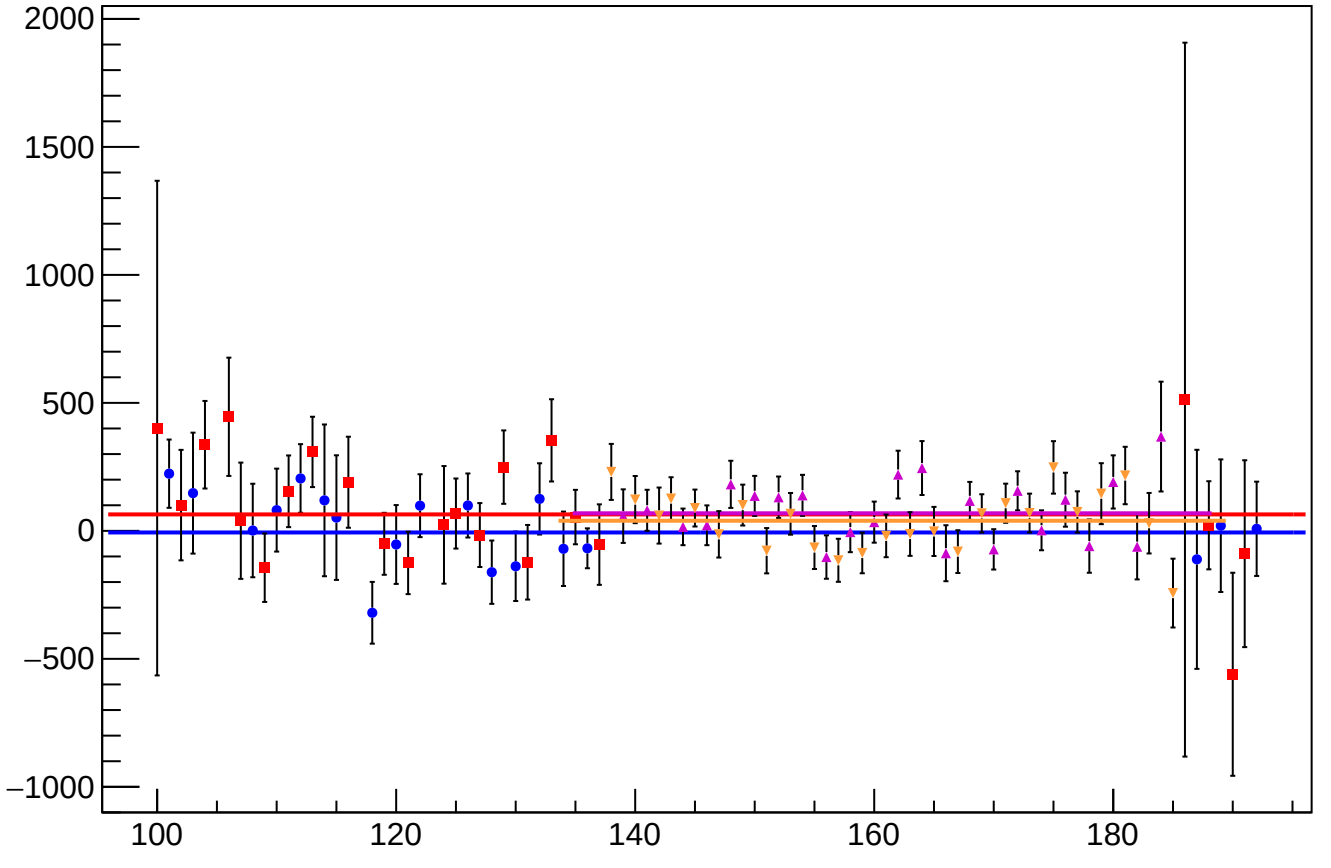
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1376.935+/-0.237 χ^2/NDF: 2657512.7/41

In: 750.149+/-0.108 χ^2/NDF:5998915.0/41

Out: 752.860+/-0.106 χ^2/NDF:6922512.8/47

All: 751.530+/-0.076 χ^2/NDF: 12921747.8/89



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: 64.284+/-33.906 χ^2/NDF: 25.6/22

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

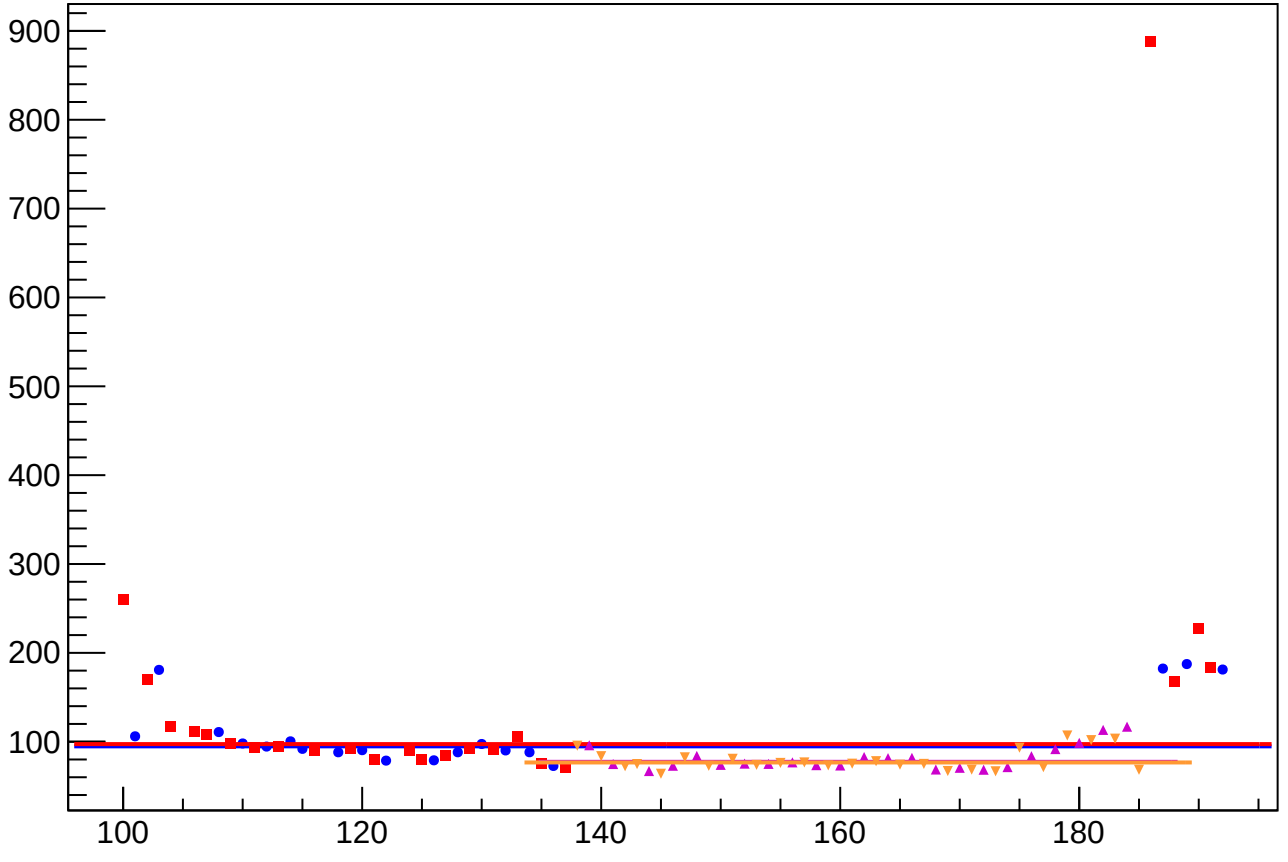
Right: 28.389+/-23.767 χ^2/NDF: 46.8/41

In: 51.240+/-16.052 χ^2/NDF:51.9/41

Out: 44.779+/-15.667 χ^2/NDF:58.0/47

All: 47.931+/-11.212 χ^2/NDF: 110.0/89

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



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: 97.316+/-0.024 χ^2/NDF: 1890403.2/22

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

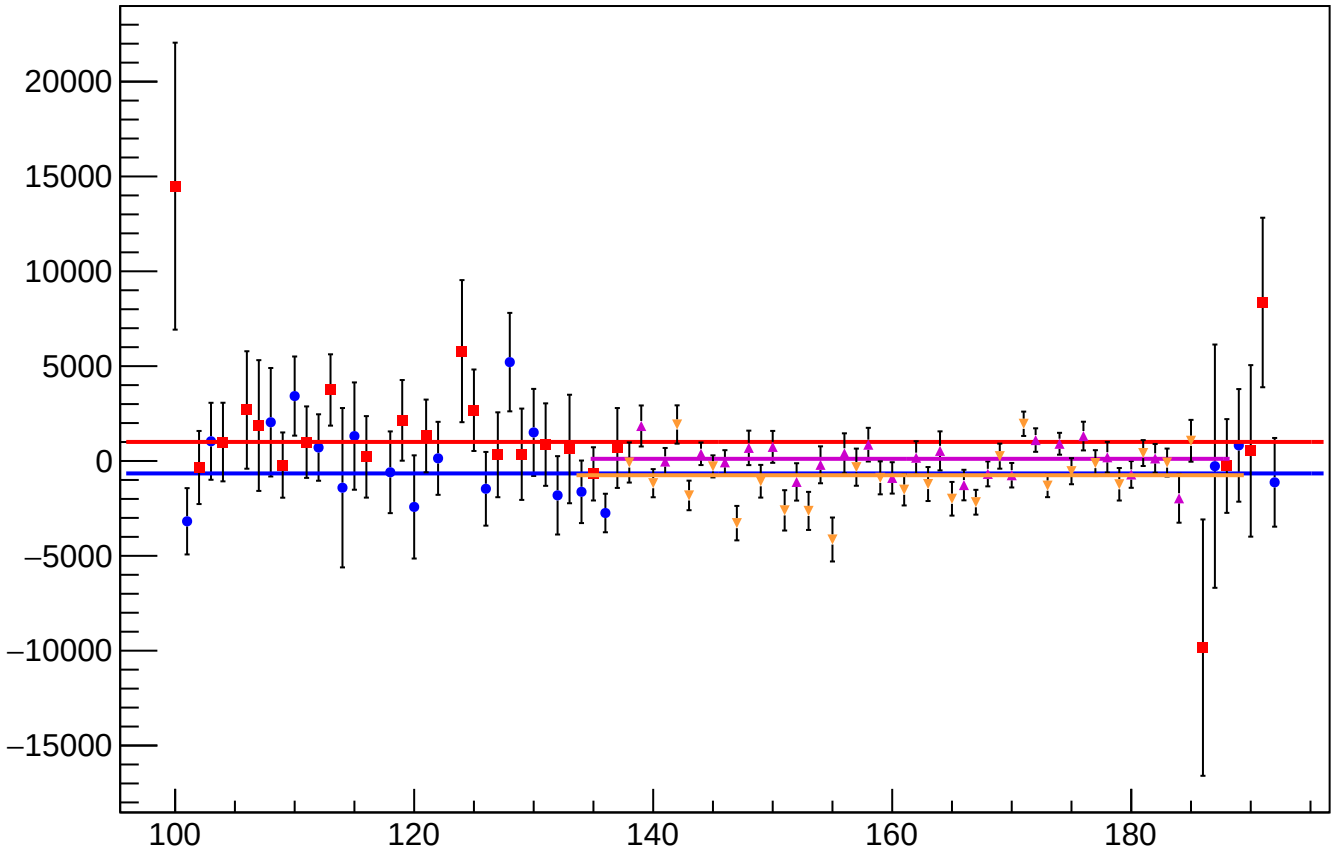
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 96.028+/-0.017 χ^2/NDF: 3220103.3/41

In: 81.394+/-0.011 χ^2/NDF:2334913.3/41

Out: 81.060+/-0.011 χ^2/NDF:3129576.3/47

All: 81.223+/-0.008 χ^2/NDF: 5464933.9/89



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: 1004.685+/-480.416 χ^2/NDF: 16.5/22

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

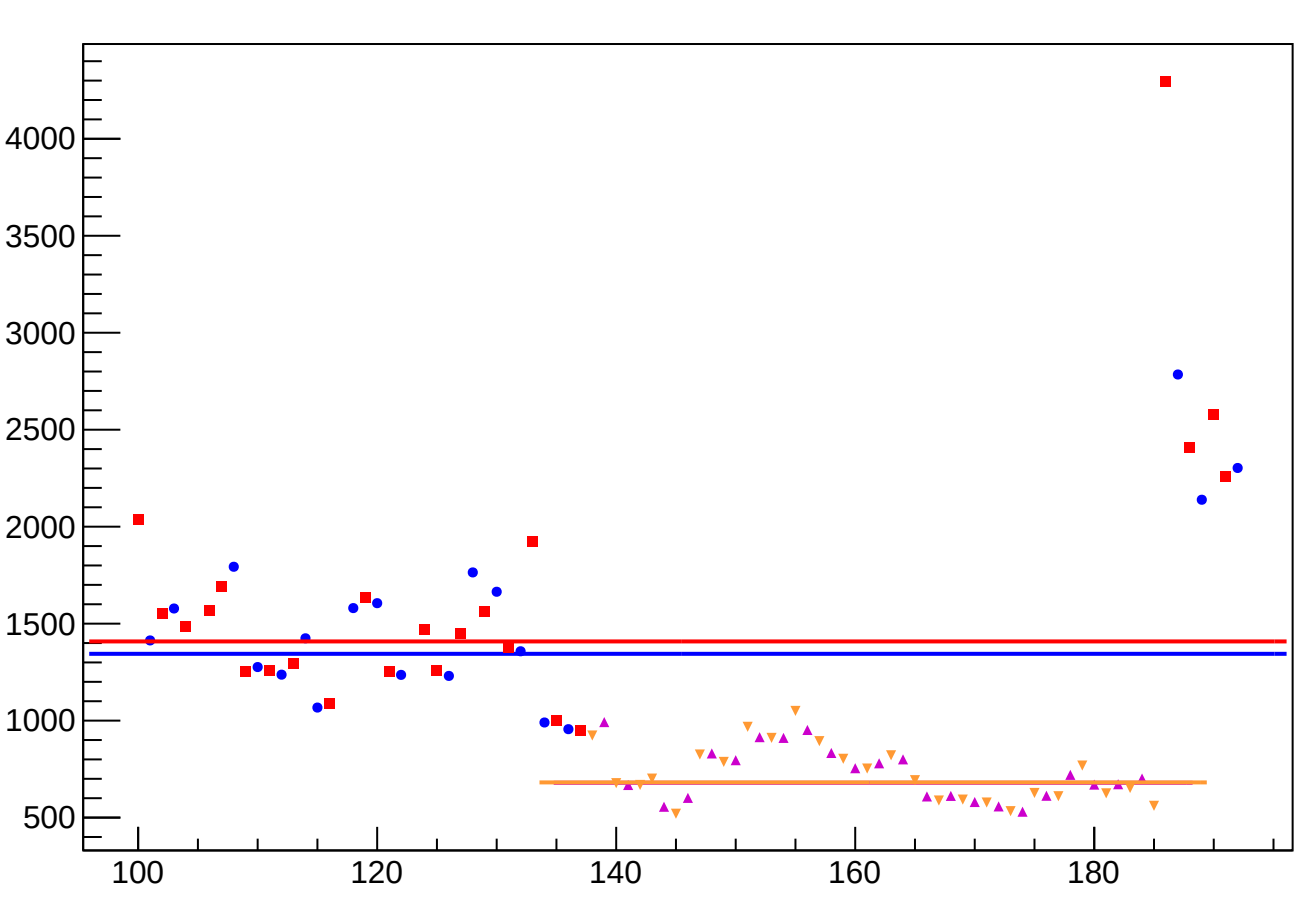
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

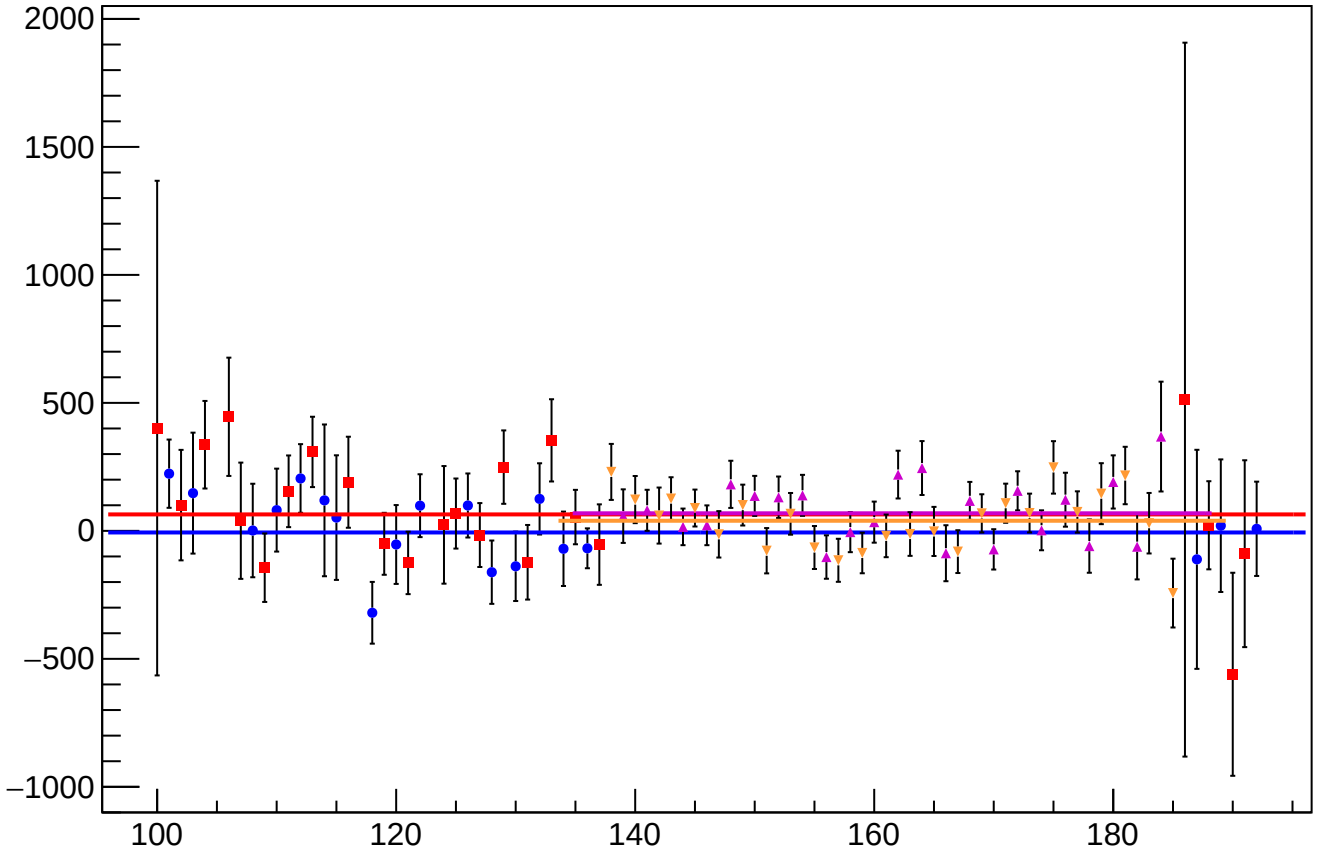
Right: 154.530+/-335.600 χ^2/NDF: 43.2/41

In: 31.947+/-152.962 χ^2/NDF:48.0/41

Out: -578.242+/-150.161 χ^2/NDF:98.6/47

All: -278.786+/-107.156 χ^2/NDF: 154.7/89


asym_sam_2468_avg_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 1344.434+/-0.332 χ²/NDF: 1220346.3/18
Left Out: 681.426+/-0.112 χ²/NDF:1334214.9/24
Right Out: 1408.333+/-0.340 χ²/NDF: 1409110.4/22
Left In: 679.414+/-0.114 χ²/NDF:1185265.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.2/47
Right: 1375.616+/-0.237 χ²/NDF: 2647572.4/41
In: 750.149+/-0.108 χ²/NDF:5998949.7/41
Out: 752.442+/-0.106 χ²/NDF:6874797.1/47
All: 751.317+/-0.076 χ²/NDF: 12873975.7/89



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: 64.284+/-33.906 χ^2/NDF: 25.6/22

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

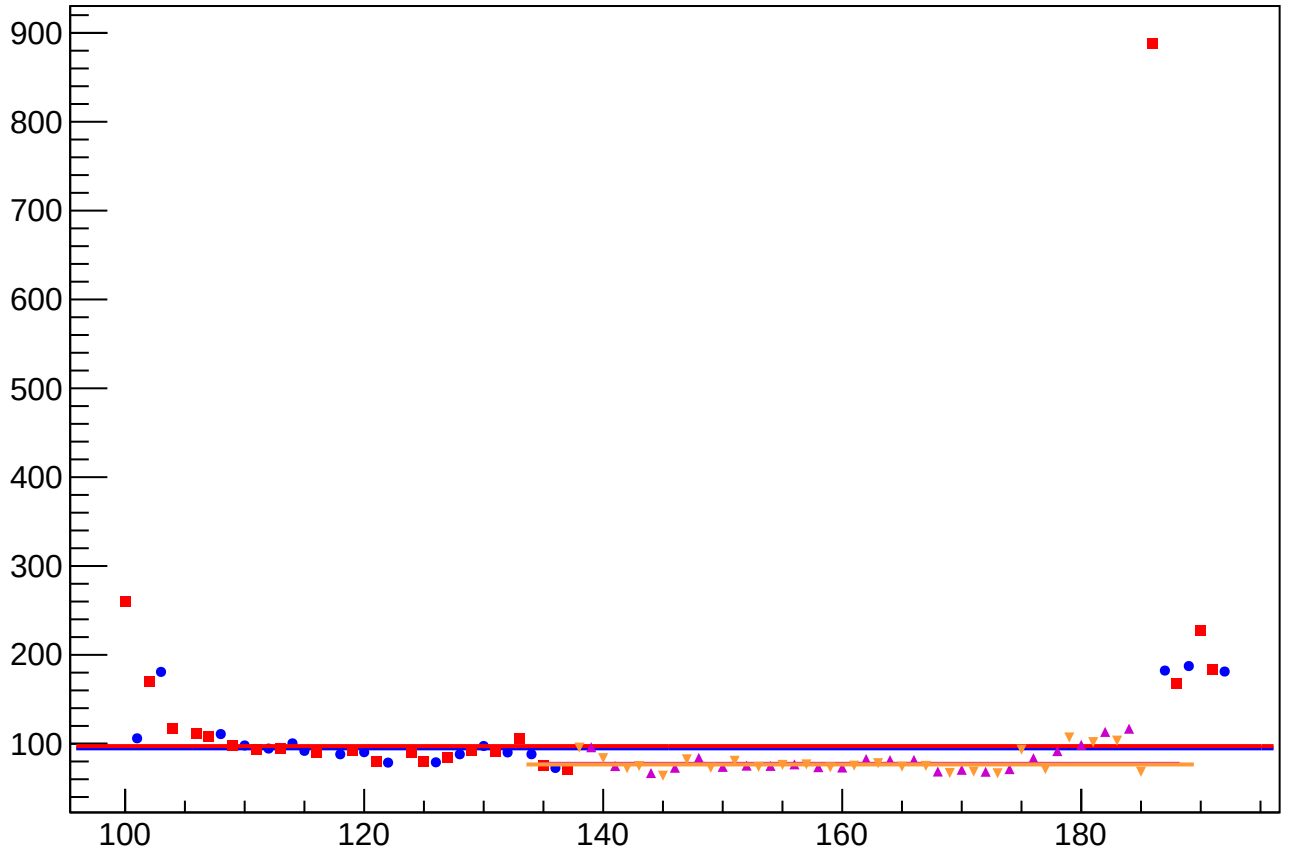
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 28.389+/-23.767 χ^2/NDF: 46.8/41

In: 51.240+/-16.052 χ^2/NDF:51.9/41

Out: 44.779+/-15.667 χ^2/NDF:58.0/47

All: 47.931+/-11.212 χ^2/NDF: 110.0/89



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: 97.316+/-0.024 χ^2/NDF: 1890403.2/22

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

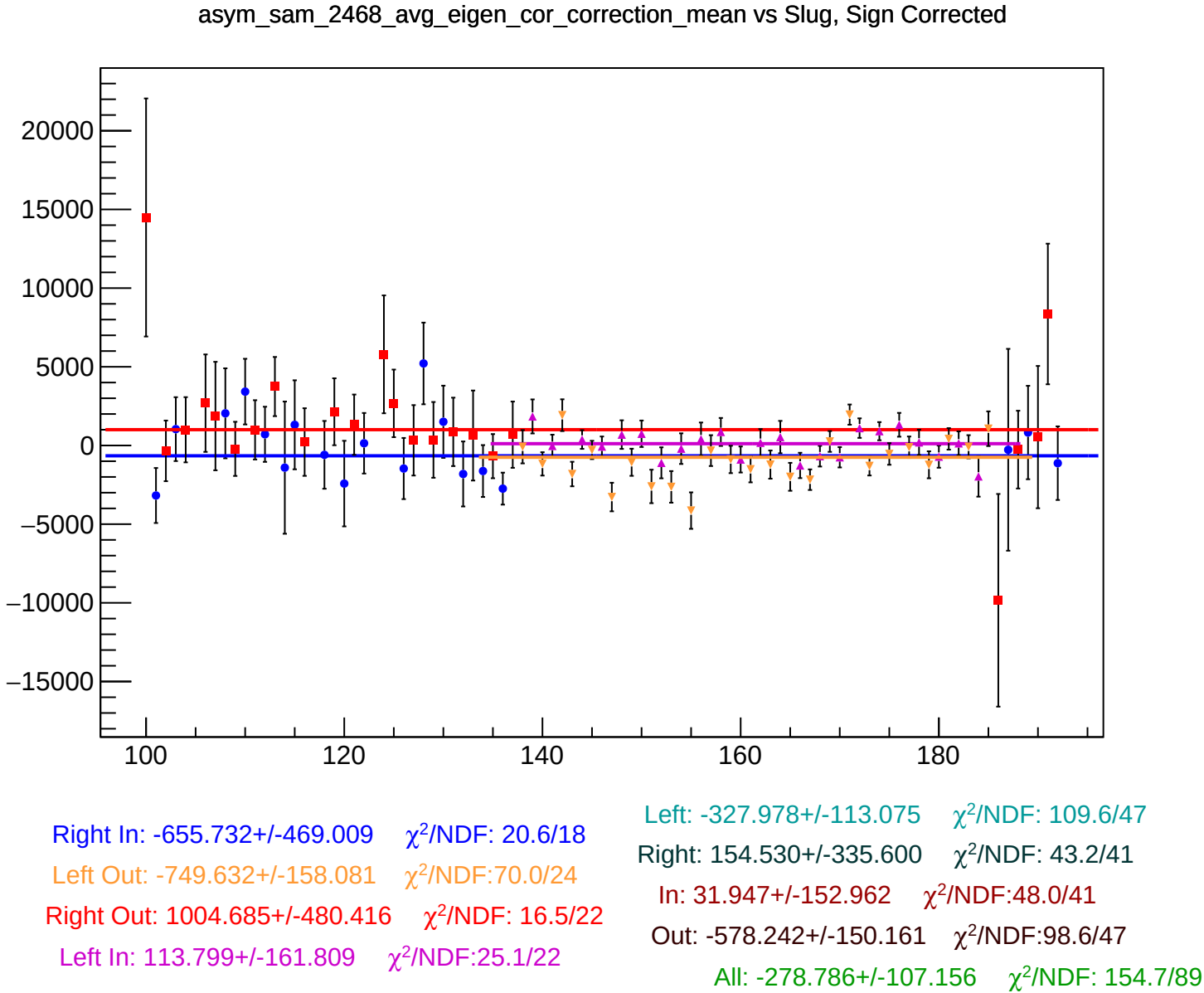
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

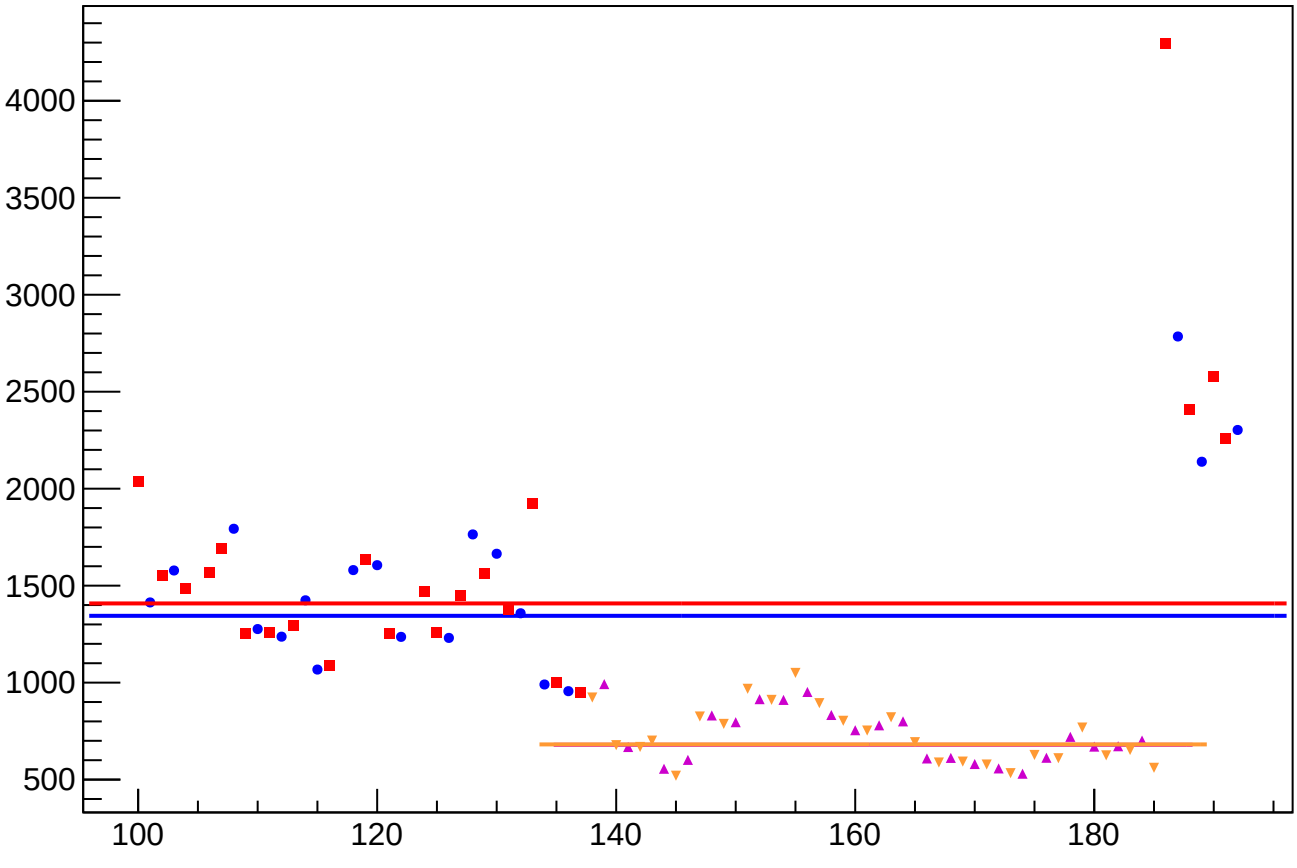
Right: 96.028+/-0.017 χ^2/NDF: 3220103.3/41

In: 81.394+/-0.011 χ^2/NDF:2334913.3/41

Out: 81.060+/-0.011 χ^2/NDF:3129576.3/47

All: 81.223+/-0.008 χ^2/NDF: 5464933.9/89


asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: -655.732+/-469.009 χ²/NDF: 20.6/18
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 1004.685+/-480.416 χ²/NDF: 16.5/22
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 154.530+/-335.600 χ²/NDF: 43.2/41
In: 31.947+/-152.962 χ²/NDF:48.0/41
Out: -578.242+/-150.161 χ²/NDF:98.6/47
All: -278.786+/-107.156 χ²/NDF: 154.7/89



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: 1408.333+/-0.340 χ^2/NDF: 1409110.4/22

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

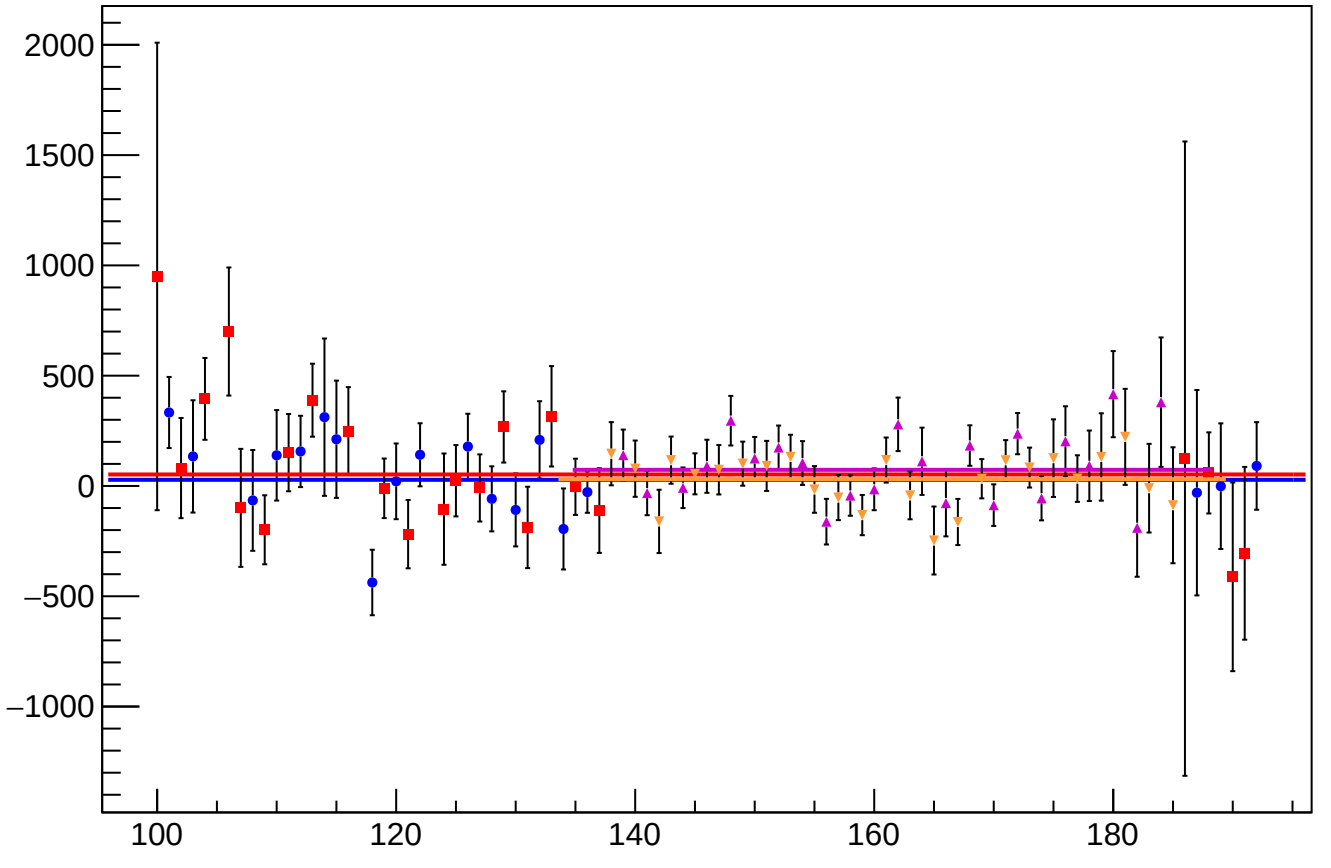
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1375.616+/-0.237 χ^2/NDF: 2647572.4/41

In: 750.149+/-0.108 χ^2/NDF:5998949.7/41

Out: 752.442+/-0.106 χ^2/NDF:6874797.1/47

All: 751.317+/-0.076 χ^2/NDF: 12873975.7/89



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: 52.145+/-40.100 χ^2/NDF: 29.0/22

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

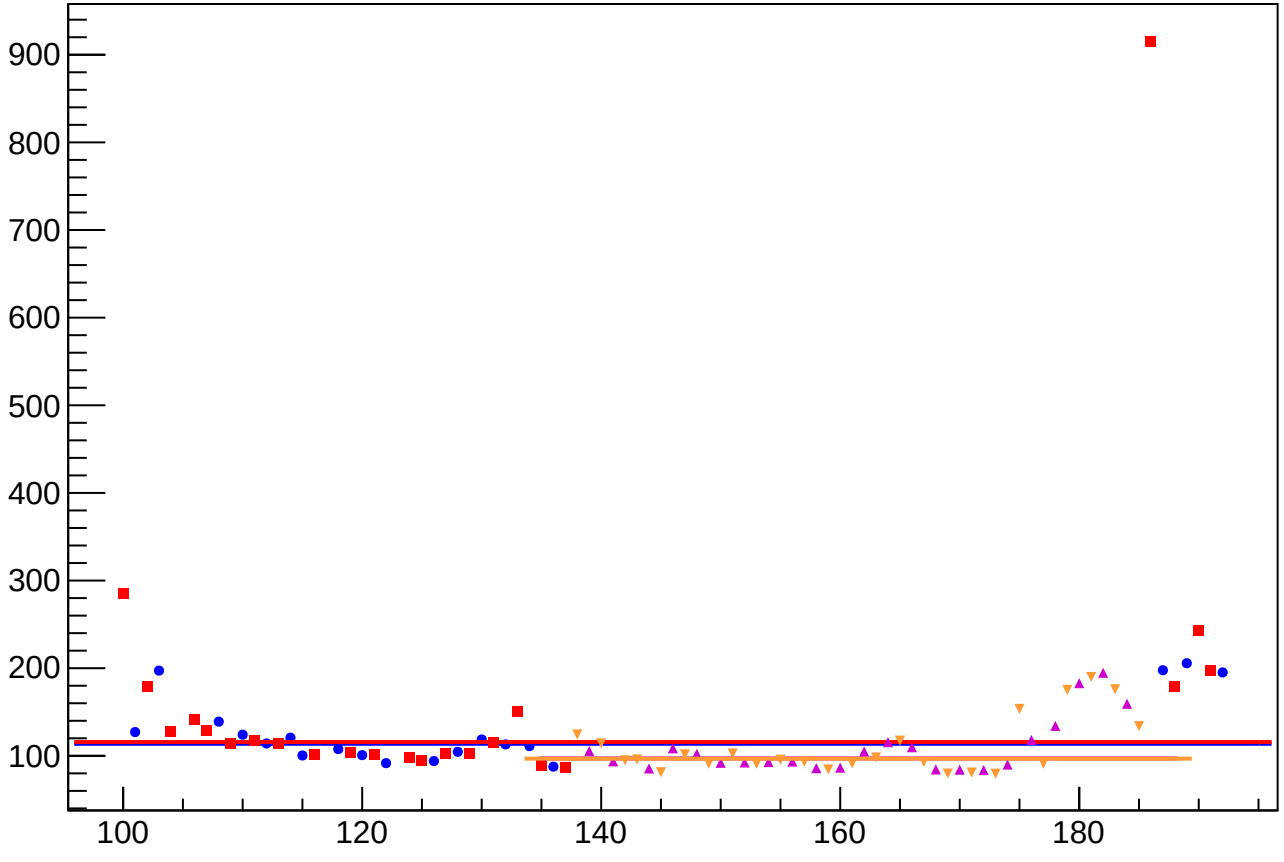
Right: 39.934+/-28.253 χ^2/NDF: 50.7/41

In: 61.448+/-20.244 χ^2/NDF:57.0/41

Out: 35.947+/-19.857 χ^2/NDF:49.2/47

All: 48.451+/-14.176 χ^2/NDF: 107.0/89

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: 115.759+/-0.028 χ^2/NDF: 1654247.1/22

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

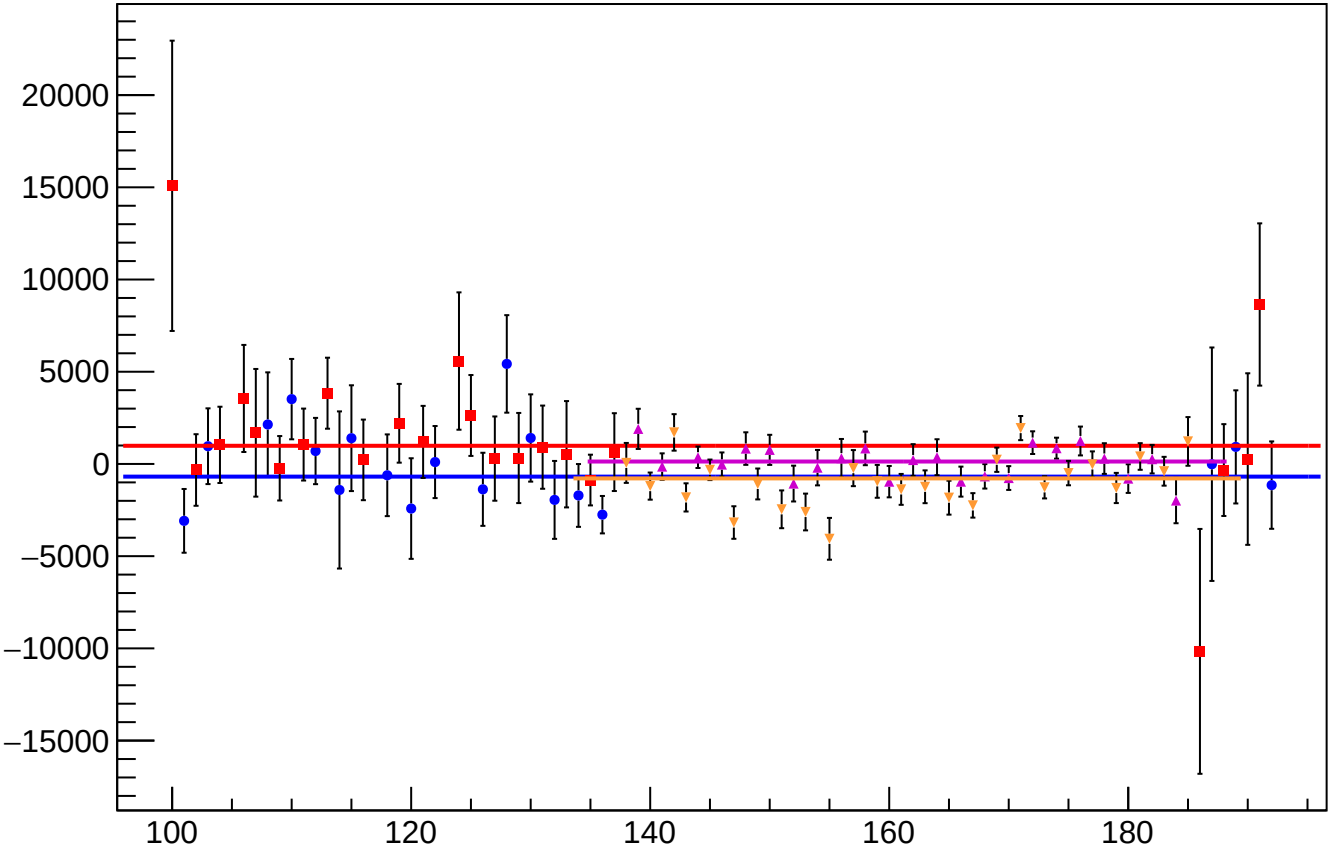
Right: 114.757+/-0.020 χ^2/NDF: 2792482.9/41

In: 101.348+/-0.014 χ^2/NDF:2719466.1/41

Out: 101.445+/-0.014 χ^2/NDF:3712318.9/47

All: 101.397+/-0.010 χ^2/NDF: 6431808.4/89

asym_sam_2468_avg_dit_correction_mean vs Slug, Sign Corrected



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: 984.739+/-484.501 χ^2/NDF: 17.9/22

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

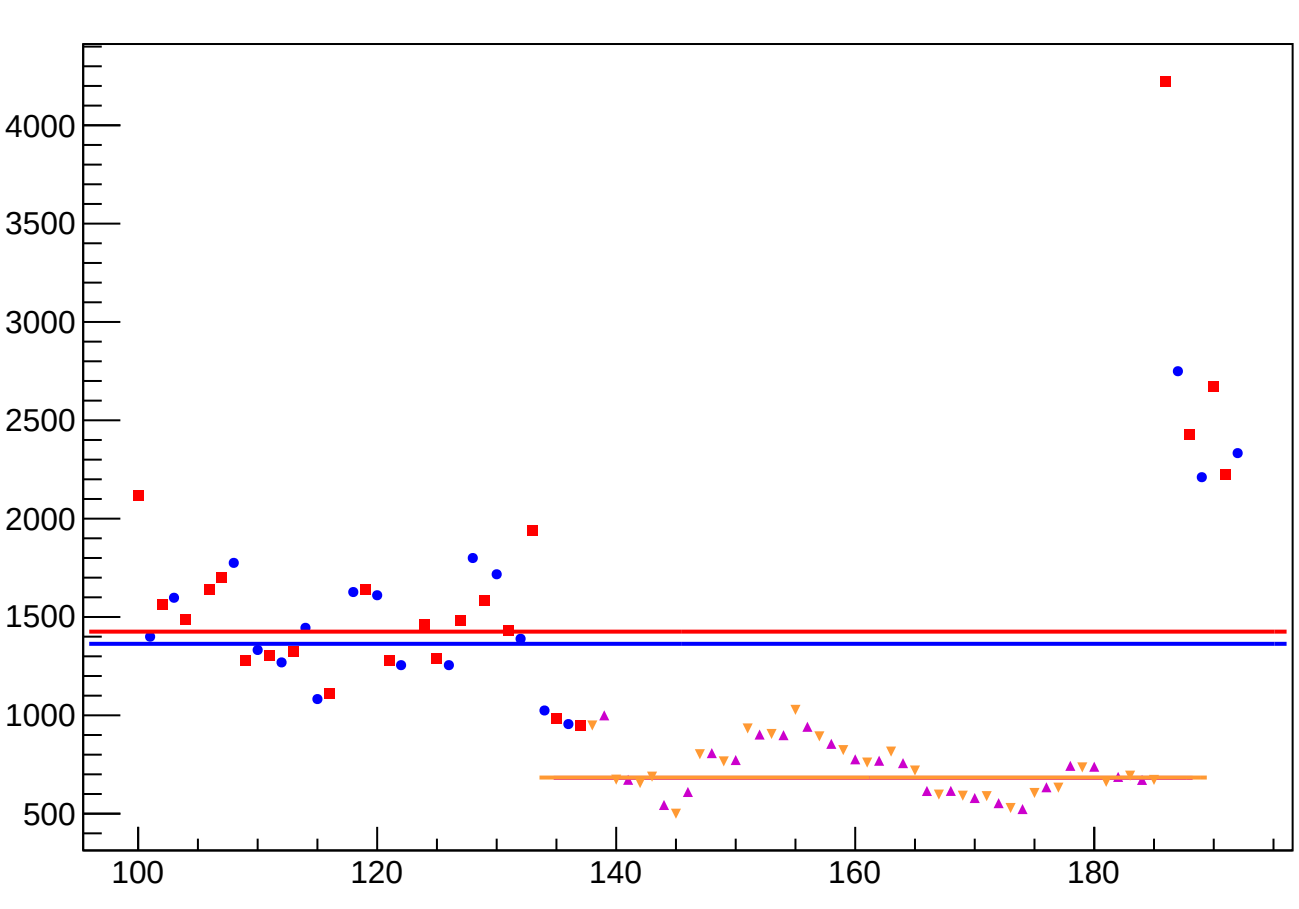
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 133.461+/-339.430 χ^2/NDF: 44.4/41

In: 45.930+/-153.698 χ^2/NDF:47.3/41

Out: -613.121+/-150.497 χ^2/NDF:96.3/47

All: -290.530+/-107.531 χ^2/NDF: 153.0/89



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: 1425.518+/-0.343 χ^2/NDF: 1431363.5/22

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

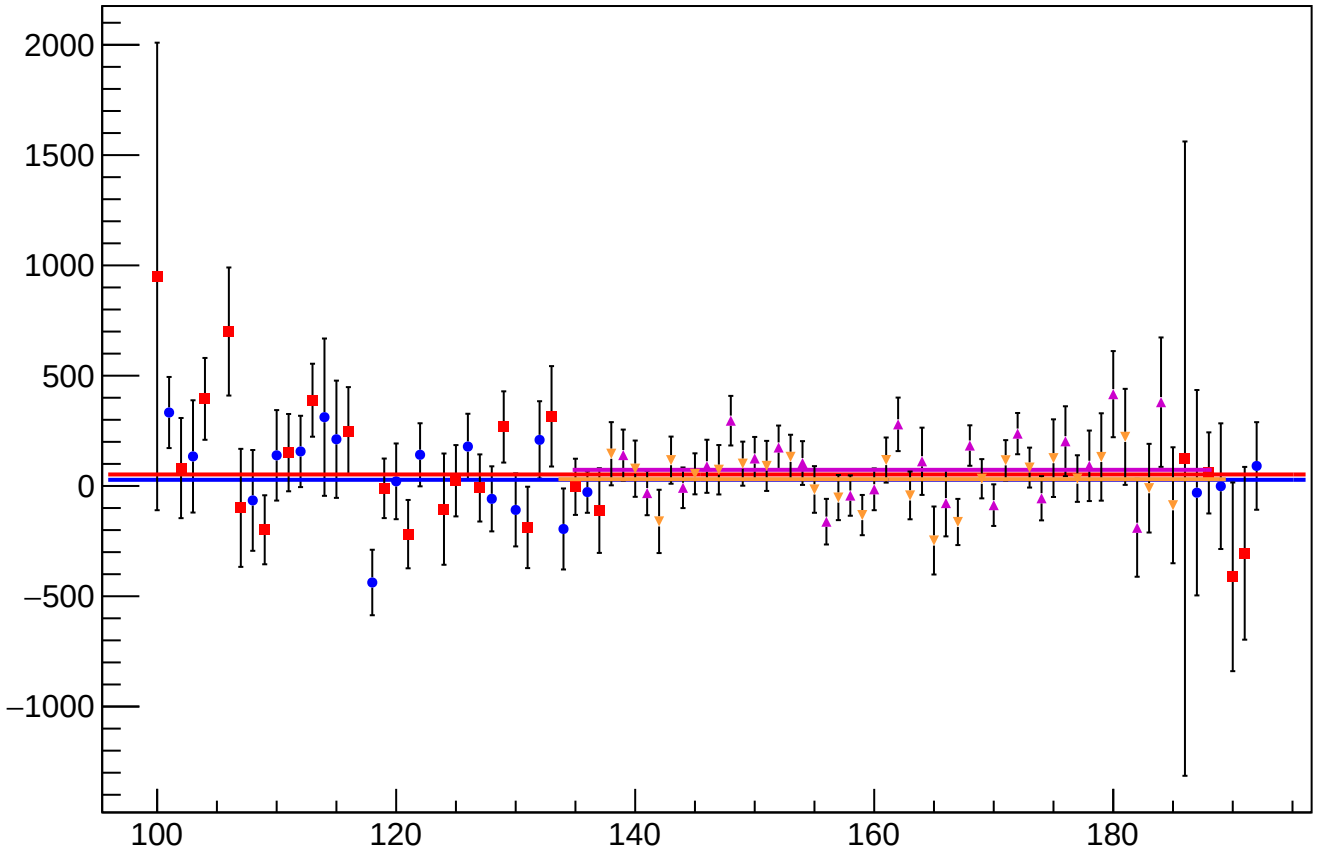
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1393.977+/-0.240 χ^2/NDF: 2685390.7/41

In: 753.124+/-0.109 χ^2/NDF:6101400.0/41

Out: 755.273+/-0.106 χ^2/NDF:6965490.8/47

All: 754.221+/-0.076 χ^2/NDF: 13067090.3/89



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: 52.144+/-40.100 χ^2/NDF: 29.0/22

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

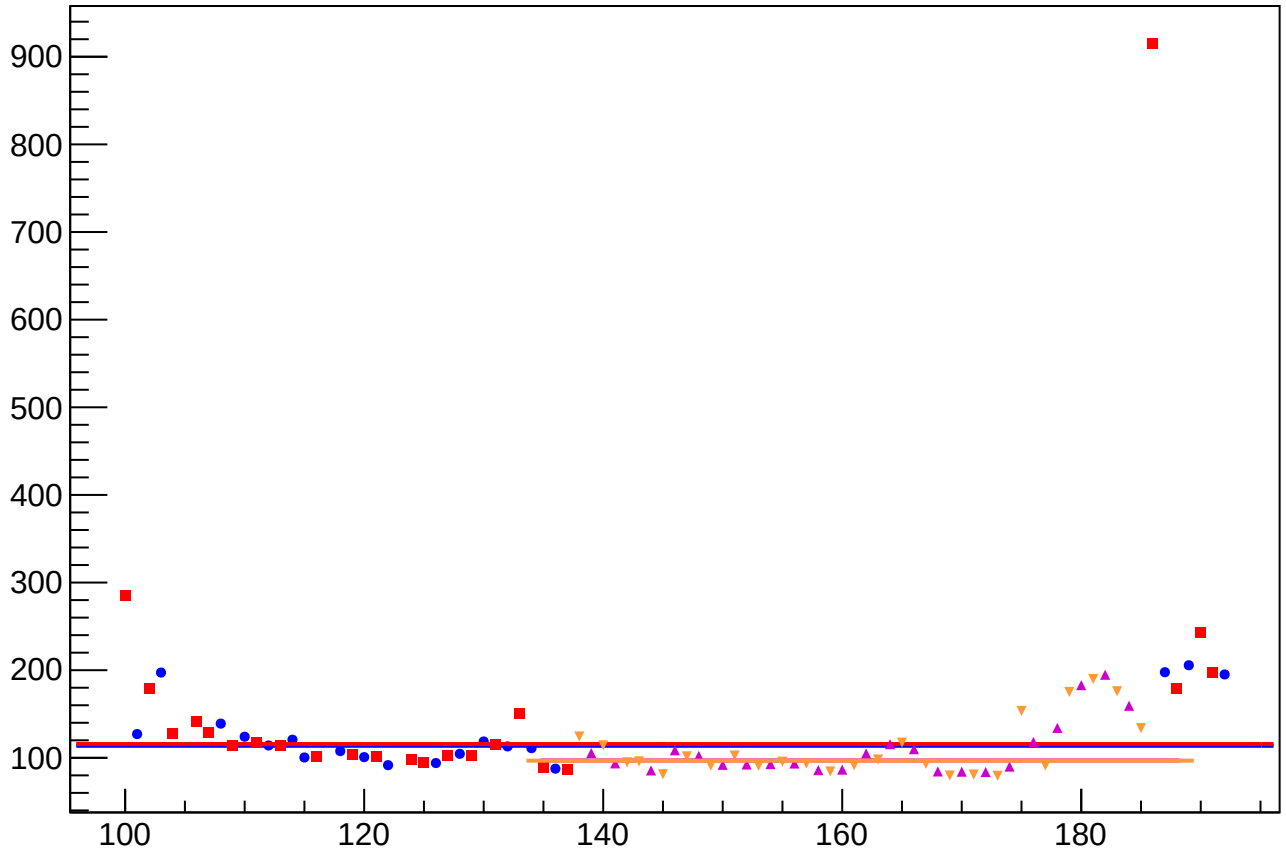
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 39.934+/-28.253 χ^2/NDF: 50.7/41

In: 61.447+/-20.244 χ^2/NDF:57.0/41

Out: 35.947+/-19.857 χ^2/NDF:49.2/47

All: 48.451+/-14.176 χ^2/NDF: 107.0/89



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: 115.759+/-0.028 χ^2/NDF: 1654255.4/22

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

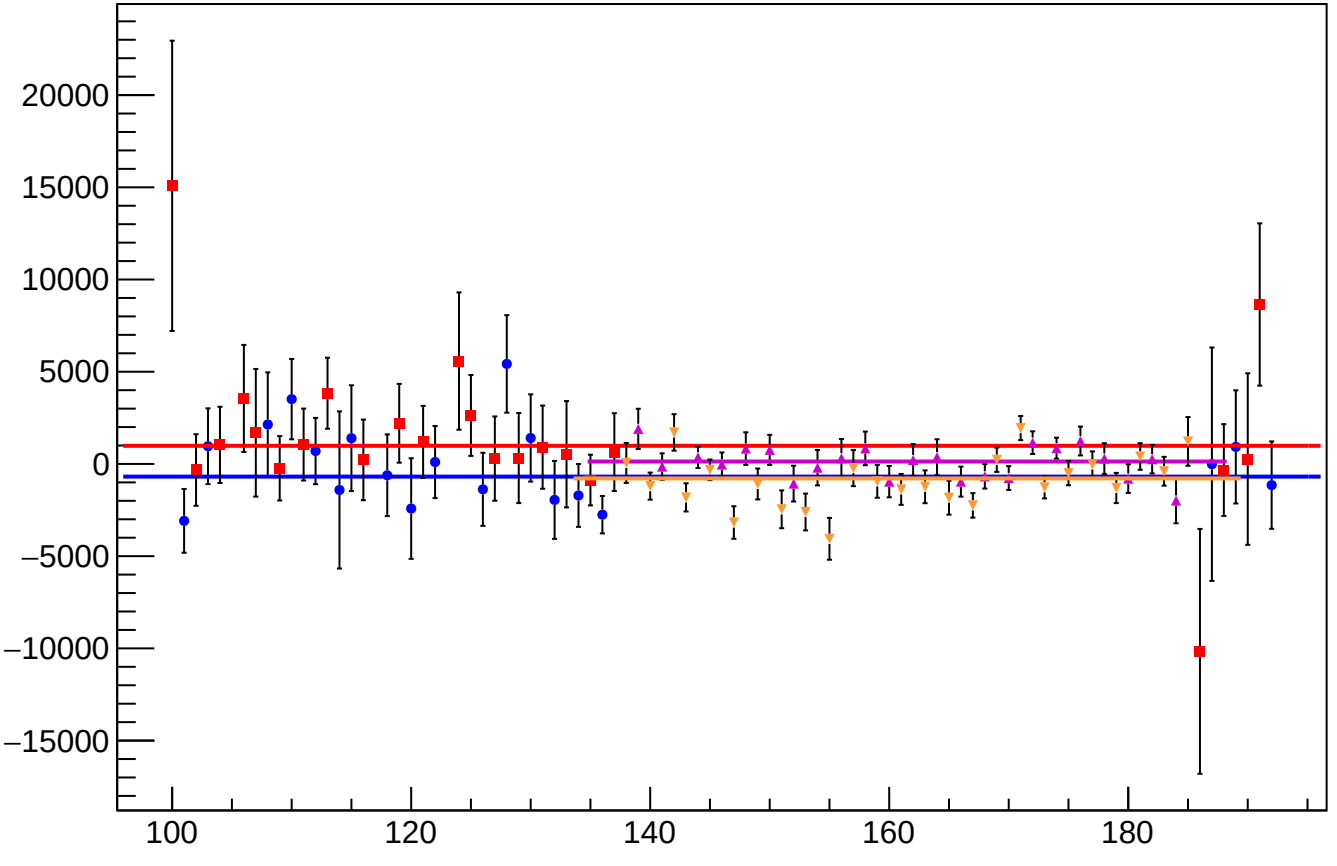
Right: 114.756+/-0.020 χ^2/NDF: 2792485.9/41

In: 101.348+/-0.014 χ^2/NDF:2719412.3/41

Out: 101.445+/-0.014 χ^2/NDF:3712295.8/47

All: 101.397+/-0.010 χ^2/NDF: 6431731.6/89

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -687.076+/-475.673 χ^2/NDF: 20.4/18

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: 984.738+/-484.500 χ^2/NDF: 17.9/22

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

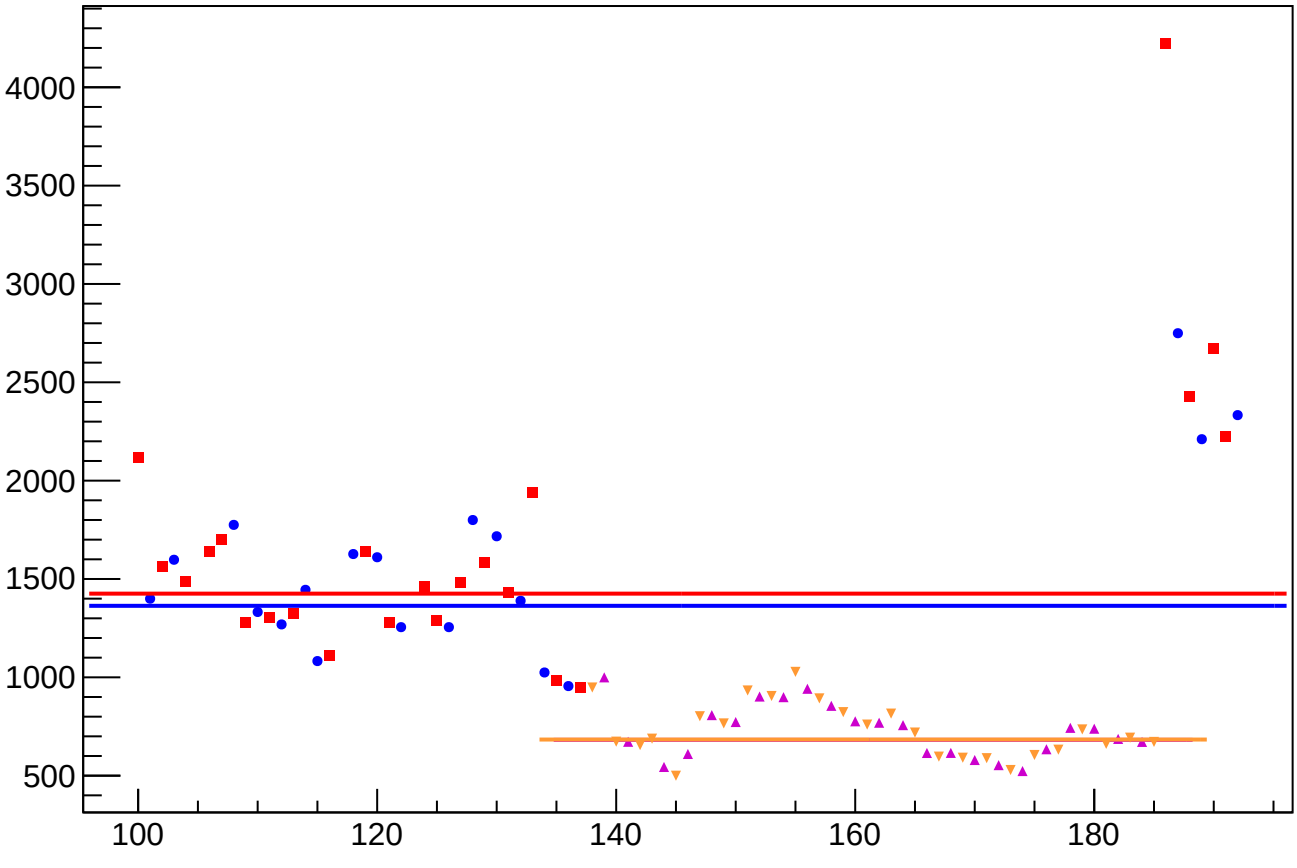
Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

Right: 133.463+/-339.430 χ^2/NDF: 44.4/41

In: 45.930+/-153.697 χ^2/NDF:47.3/41

Out: -613.119+/-150.496 χ^2/NDF:96.3/47

All: -290.529+/-107.531 χ^2/NDF: 153.0/89



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: 1425.515+/-0.343 χ^2/NDF: 1431365.3/22

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

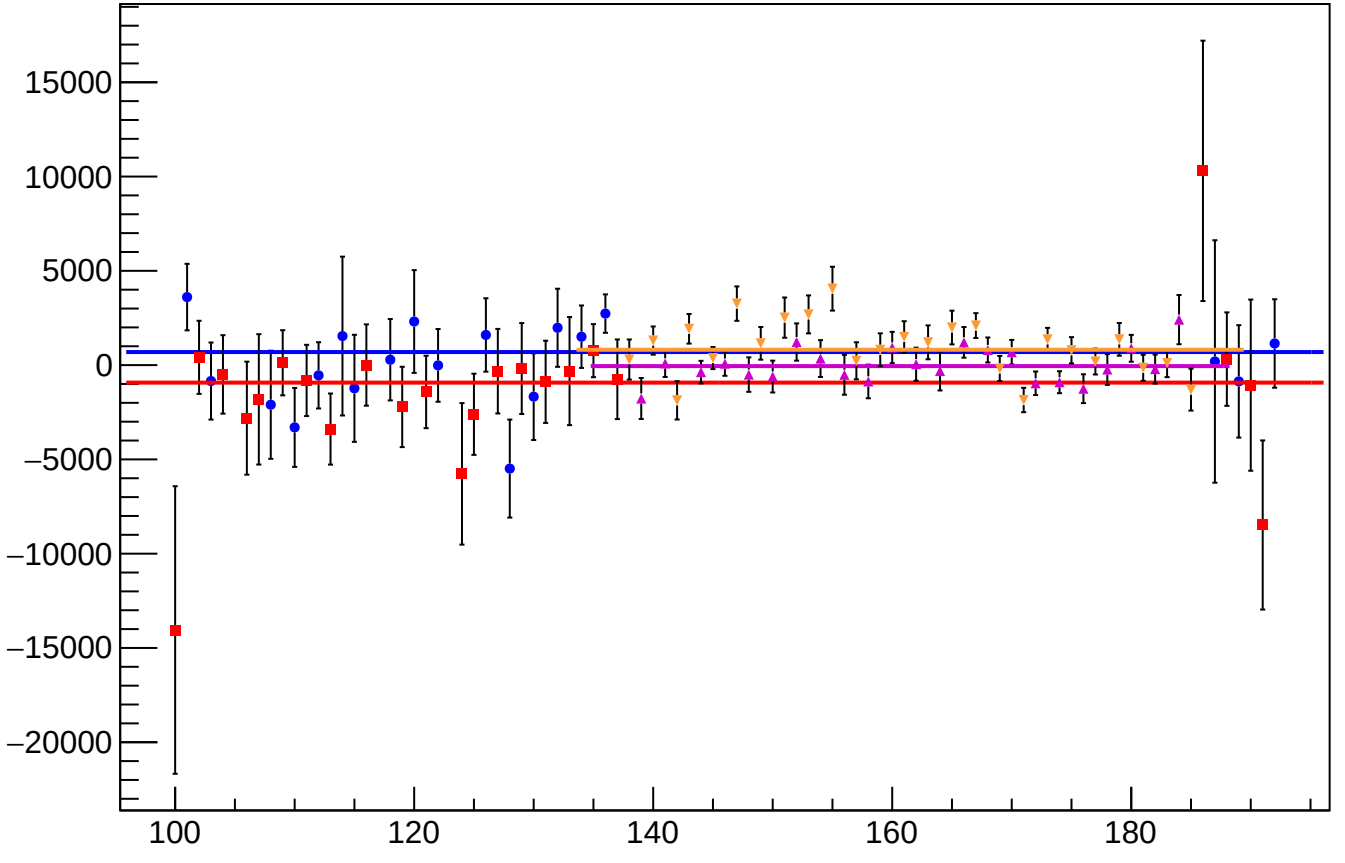
Right: 1393.974+/-0.240 χ^2/NDF: 2685391.5/41

In: 753.123+/-0.109 χ^2/NDF:6101400.9/41

Out: 755.271+/-0.106 χ^2/NDF:6965497.5/47

All: 754.220+/-0.076 χ^2/NDF: 13067098.0/89

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: -928.280+/-481.493 χ^2/NDF: 16.3/22

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

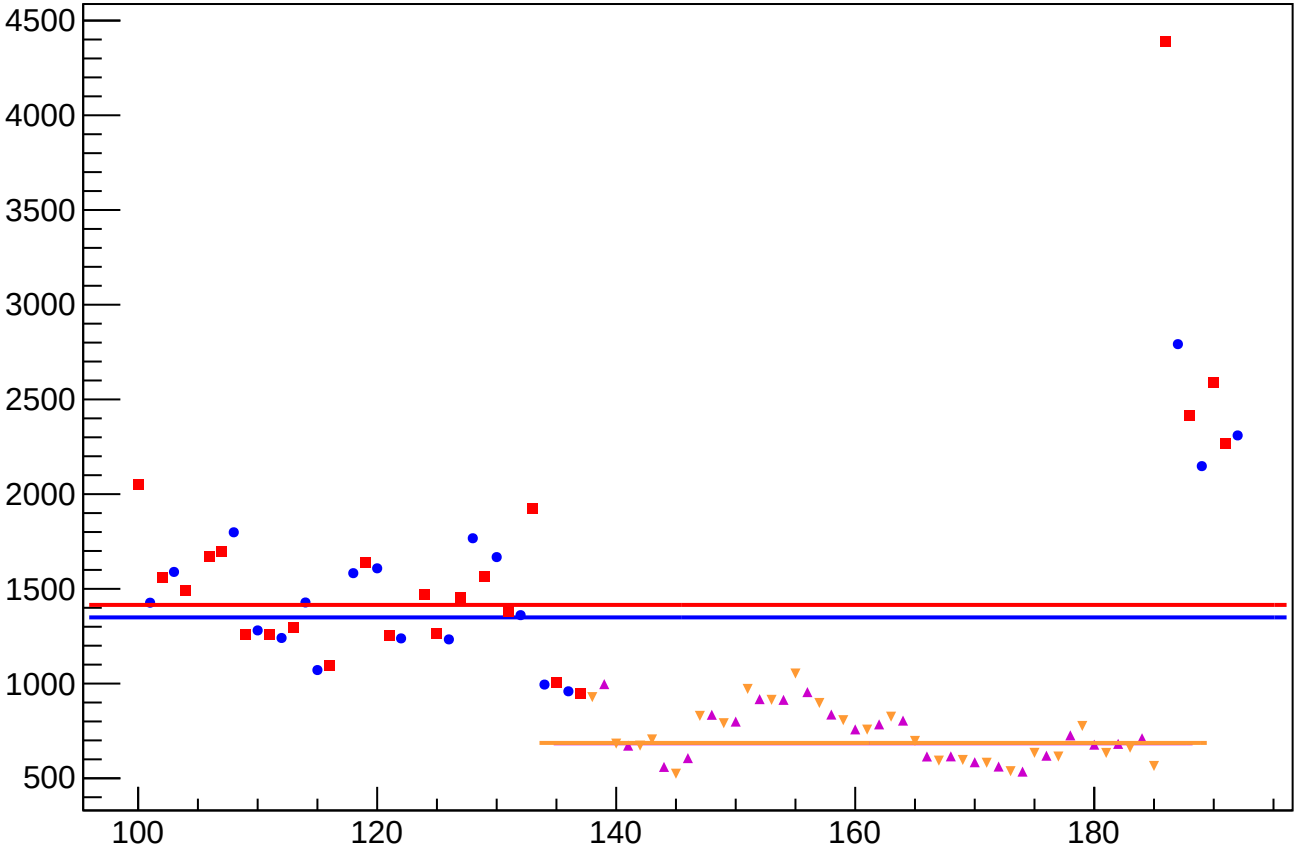
Right: -99.432+/-336.585 χ^2/NDF: 43.4/41

In: 27.510+/-154.056 χ^2/NDF:48.9/41

Out: 642.253+/-151.200 χ^2/NDF:93.9/47

All: 340.633+/-107.910 χ^2/NDF: 150.9/89

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: 1415.225+/-0.340 χ^2/NDF: 1425772.0/22

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

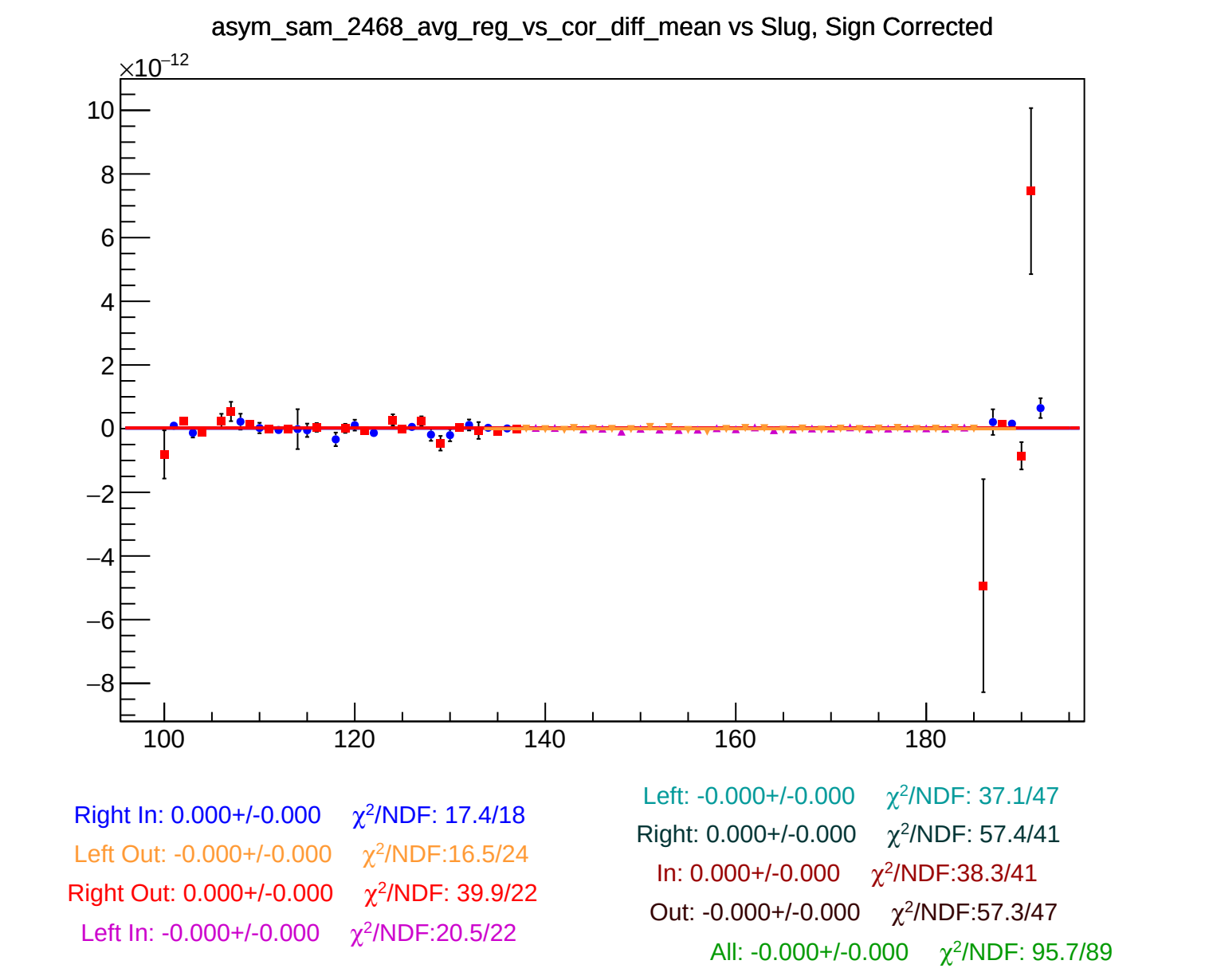
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

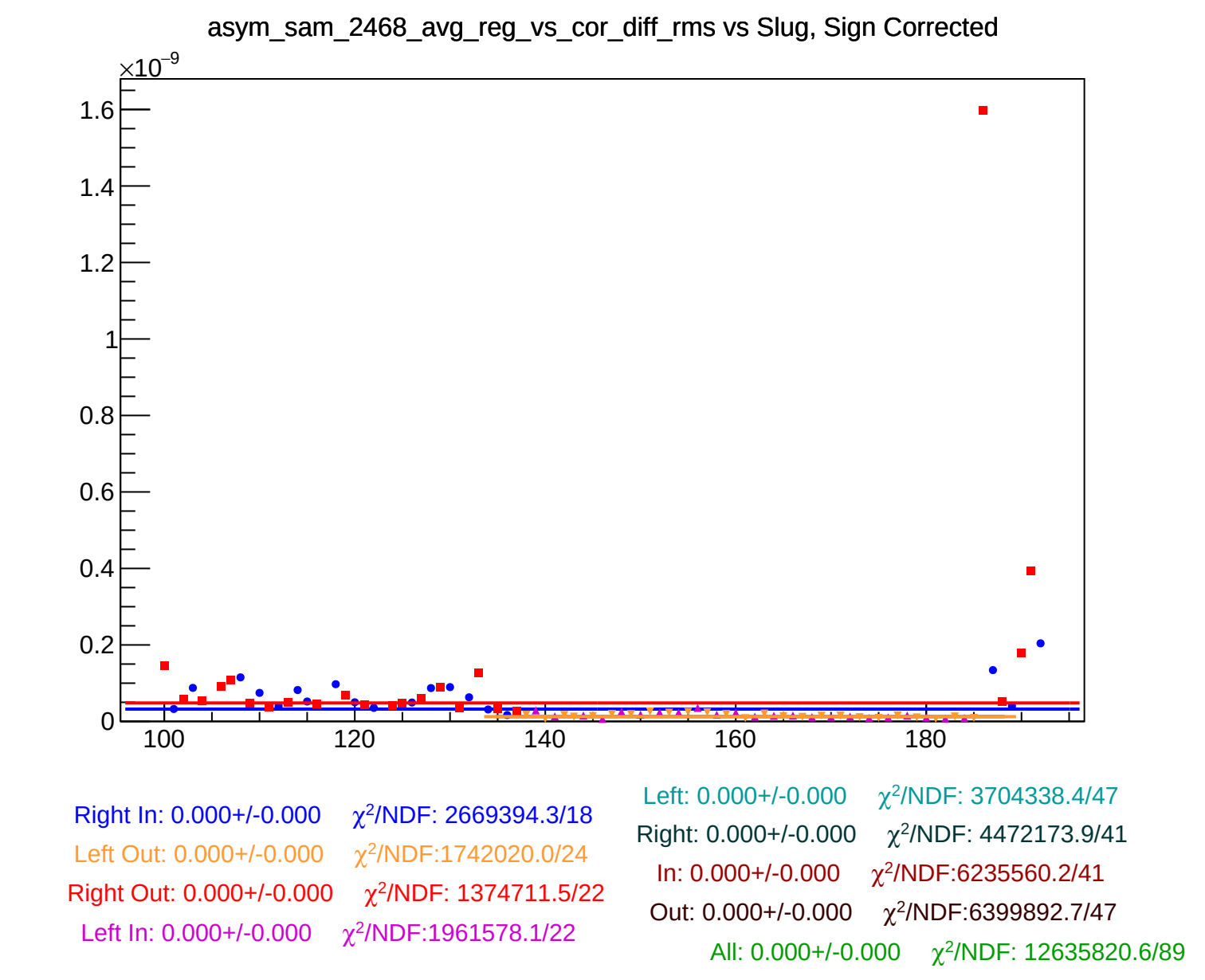
Right: 1381.537+/-0.238 χ^2/NDF: 2664977.0/41

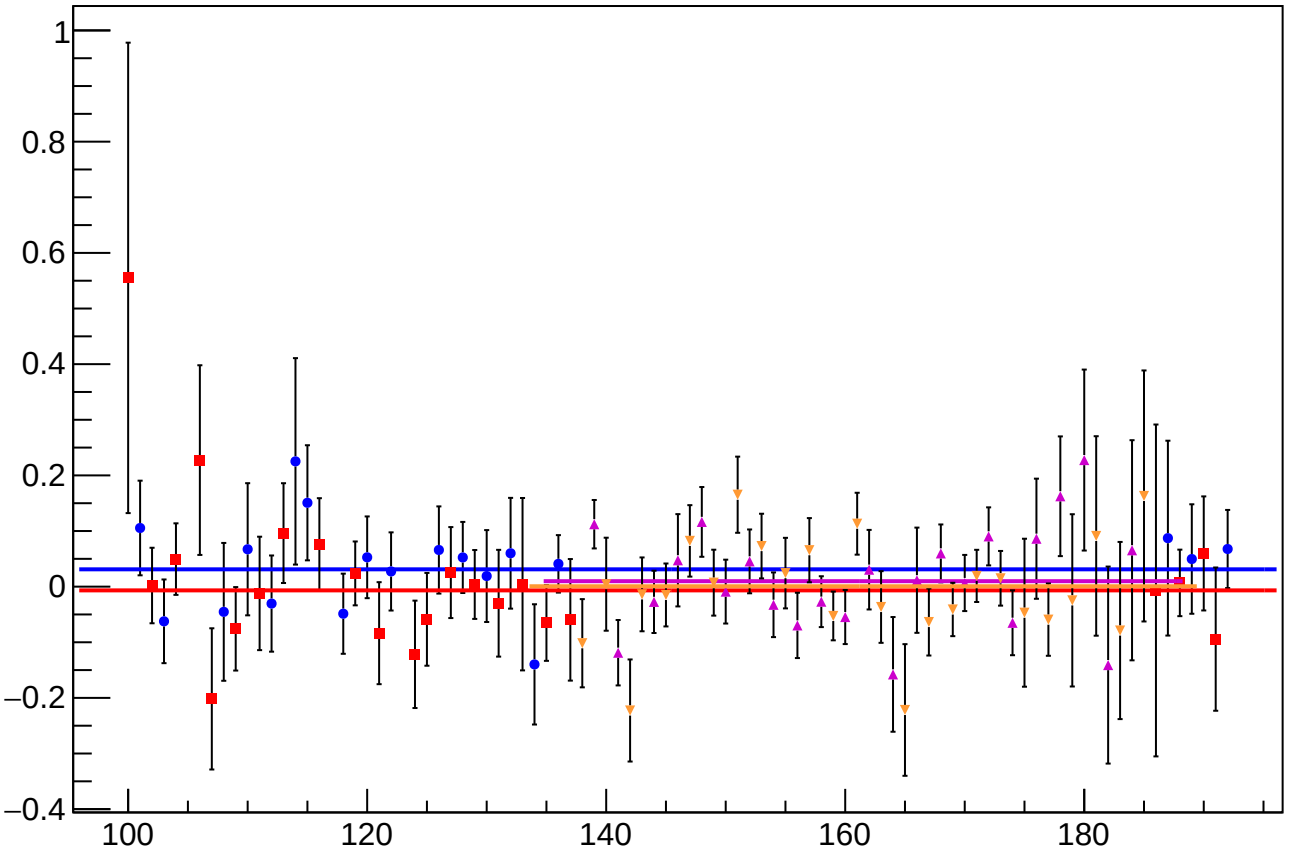
In: 755.954+/-0.109 χ^2/NDF:5945130.4/41

Out: 758.540+/-0.107 χ^2/NDF:6865166.0/47

All: 757.271+/-0.076 χ^2/NDF: 12810583.6/89


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: 39.9/22
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: 57.4/41
In: 0.000+/-0.000 χ²/NDF:38.3/41
Out: -0.000+/-0.000 χ²/NDF:57.3/47
All: -0.000+/-0.000 χ²/NDF: 95.7/89


asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 2669394.3/18
Left Out: 0.000+/-0.000 χ²/NDF:1742020.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 1374711.5/22
Left In: 0.000+/-0.000 χ²/NDF:1961578.1/22
Left: 0.000+/-0.000 χ²/NDF: 3704338.4/47
Right: 0.000+/-0.000 χ²/NDF: 4472173.9/41
In: 0.000+/-0.000 χ²/NDF:6235560.2/41
Out: 0.000+/-0.000 χ²/NDF:6399892.7/47
All: 0.000+/-0.000 χ²/NDF: 12635820.6/89



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: -0.007+/-0.018 χ^2/NDF: 14.9/22

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

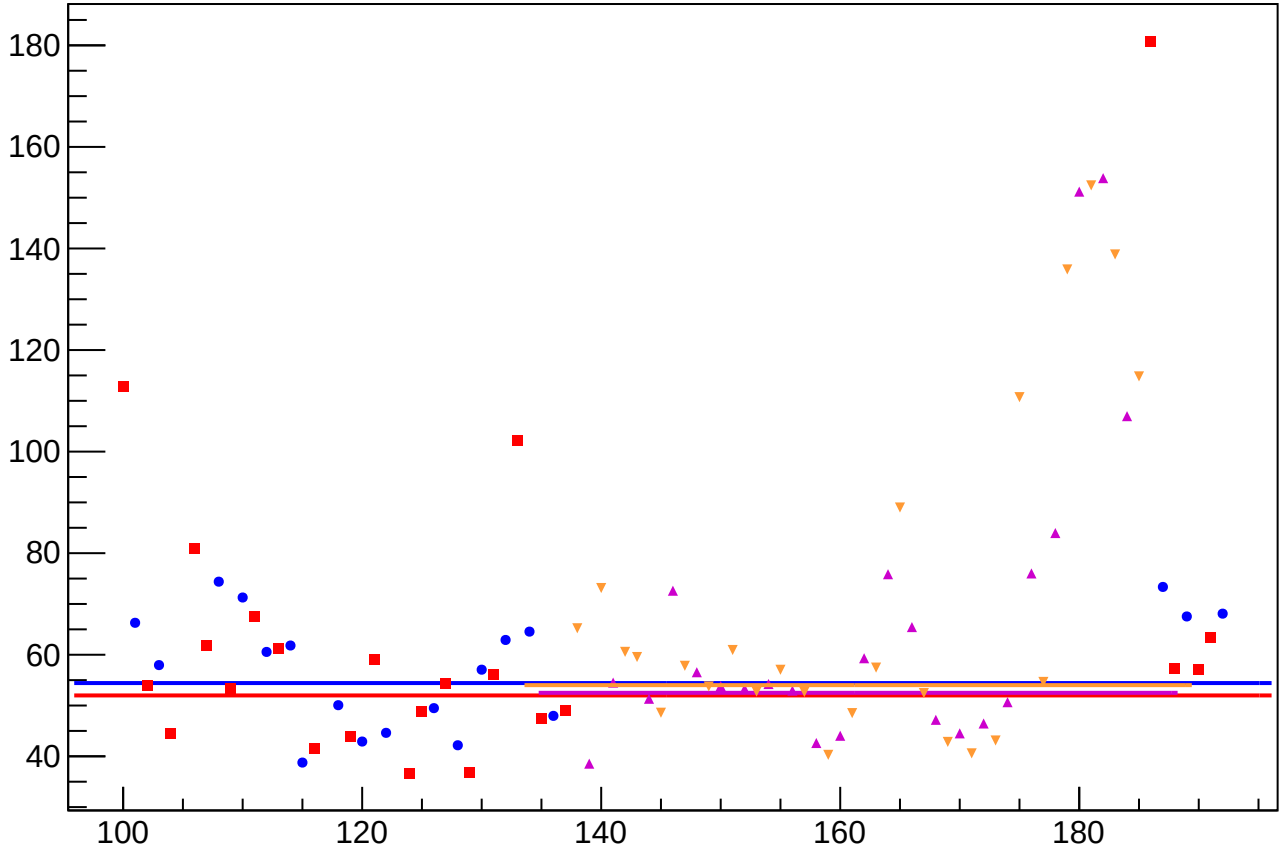
Right: 0.011+/-0.013 χ^2/NDF: 27.4/41

In: 0.017+/-0.011 χ^2/NDF:43.1/41

Out: -0.002+/-0.011 χ^2/NDF:46.7/47

All: 0.007+/-0.008 χ^2/NDF: 91.3/89

asym_sam_2468_avg_dit_vs_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: 51.987+/-0.013 χ^2/NDF: 1098738.4/22

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

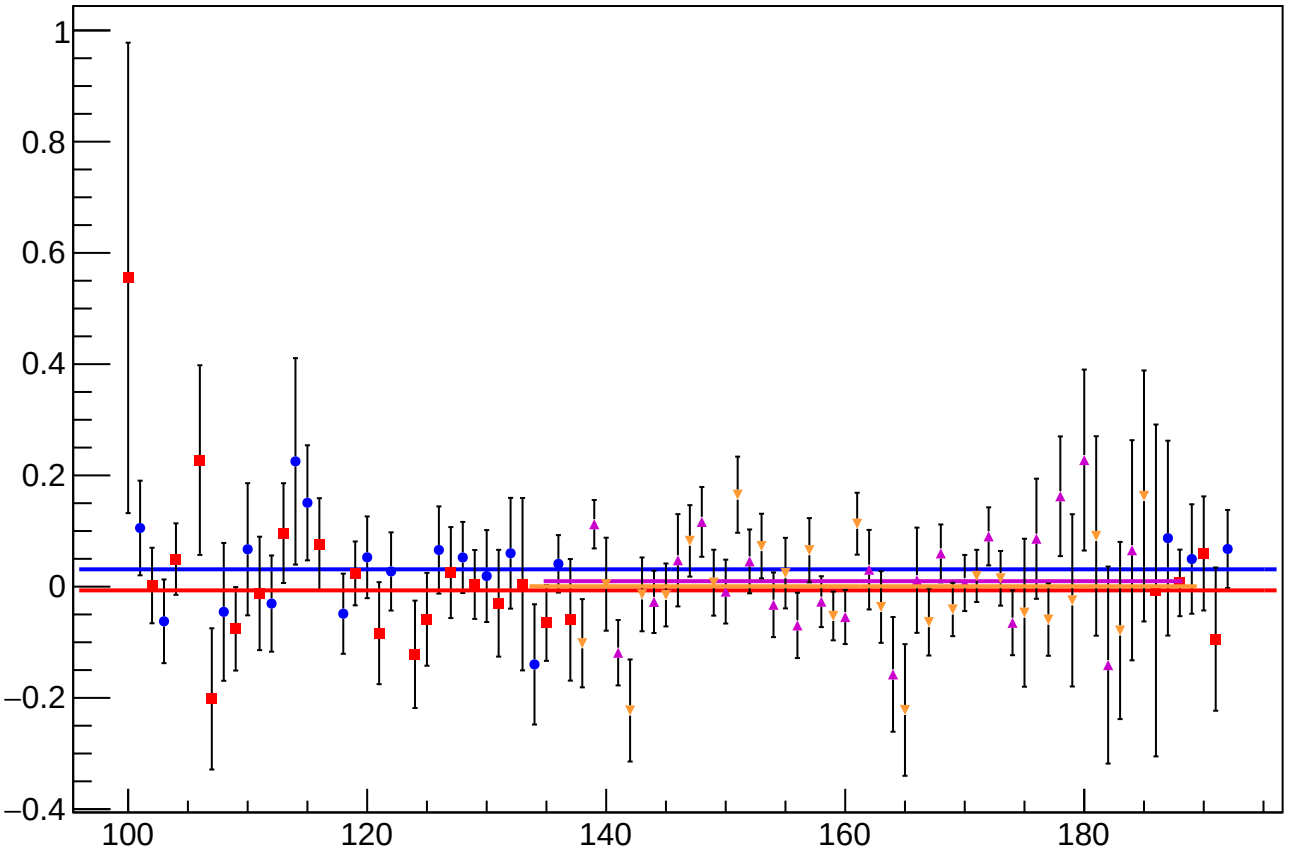
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 53.135+/-0.009 χ^2/NDF: 1687369.5/41

In: 53.125+/-0.008 χ^2/NDF:3142854.3/41

Out: 53.303+/-0.008 χ^2/NDF:4342735.5/47

All: 53.216+/-0.005 χ^2/NDF: 7485864.1/89



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: -0.007+/-0.018 χ^2/NDF: 14.9/22

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

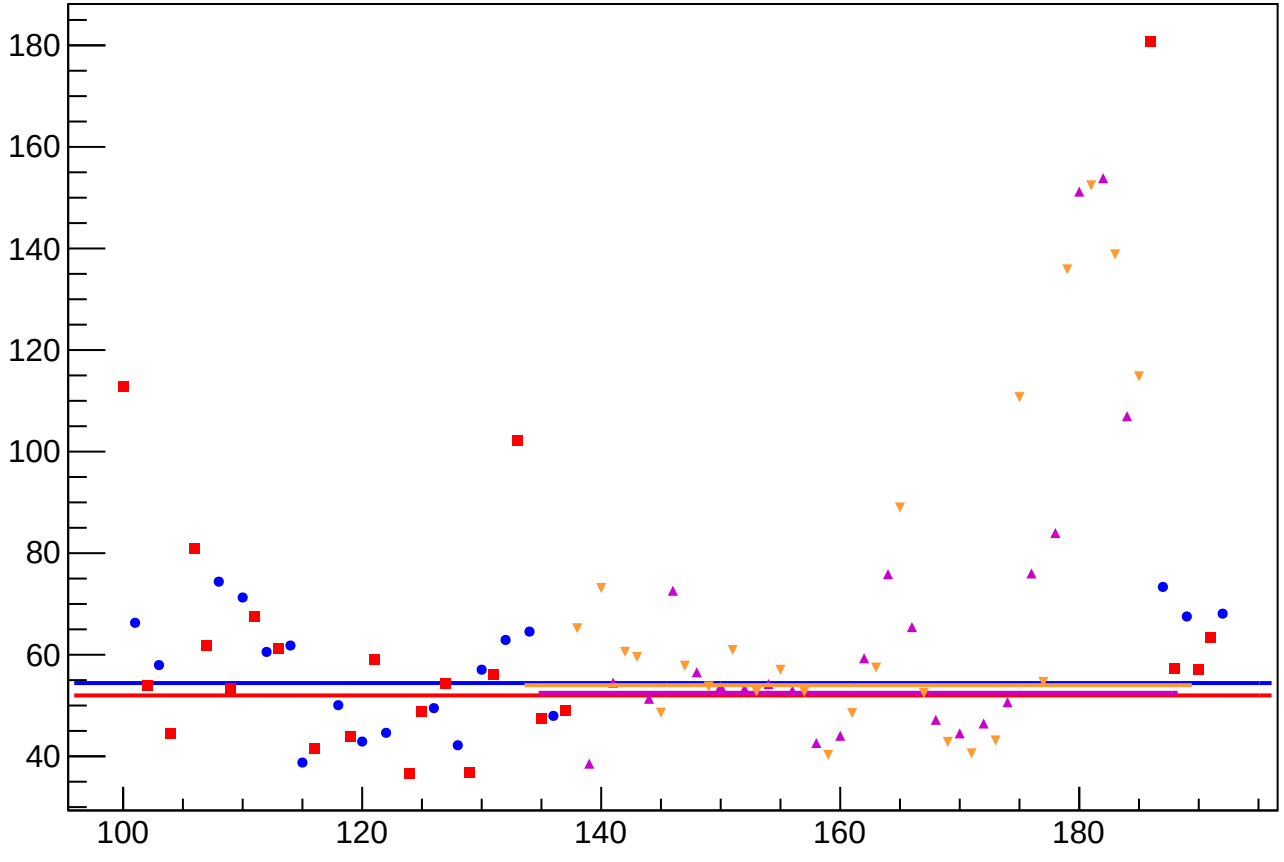
Right: 0.011+/-0.013 χ^2/NDF: 27.4/41

In: 0.017+/-0.011 χ^2/NDF:43.1/41

Out: -0.002+/-0.011 χ^2/NDF:46.7/47

All: 0.007+/-0.008 χ^2/NDF: 91.3/89

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: 51.987+/-0.013 χ^2/NDF: 1098738.4/22

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

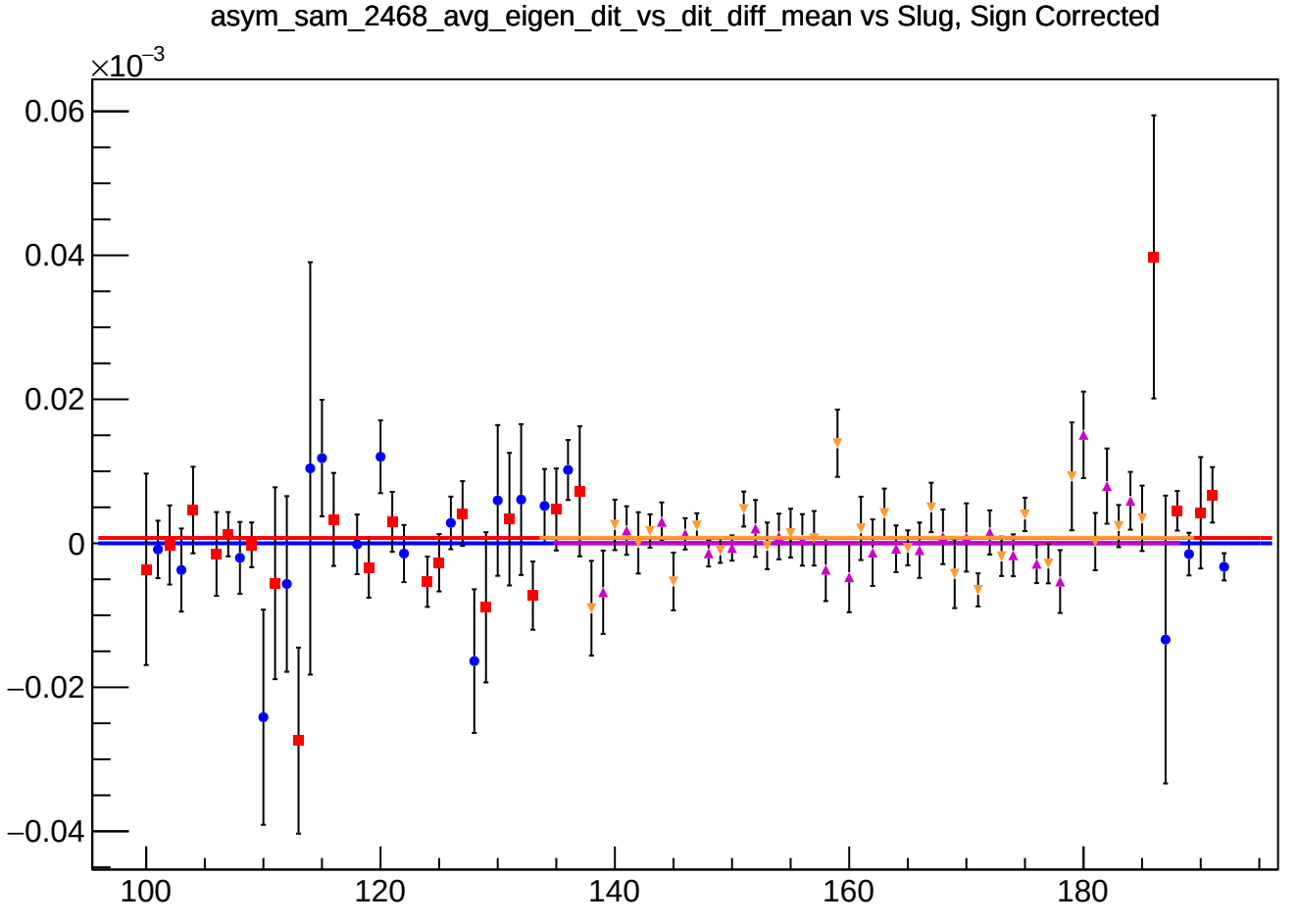
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 53.135+/-0.009 χ^2/NDF: 1687369.5/41

In: 53.125+/-0.008 χ^2/NDF:3142854.3/41

Out: 53.303+/-0.008 χ^2/NDF:4342735.5/47

All: 53.216+/-0.005 χ^2/NDF: 7485864.1/89



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: 24.8/22

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

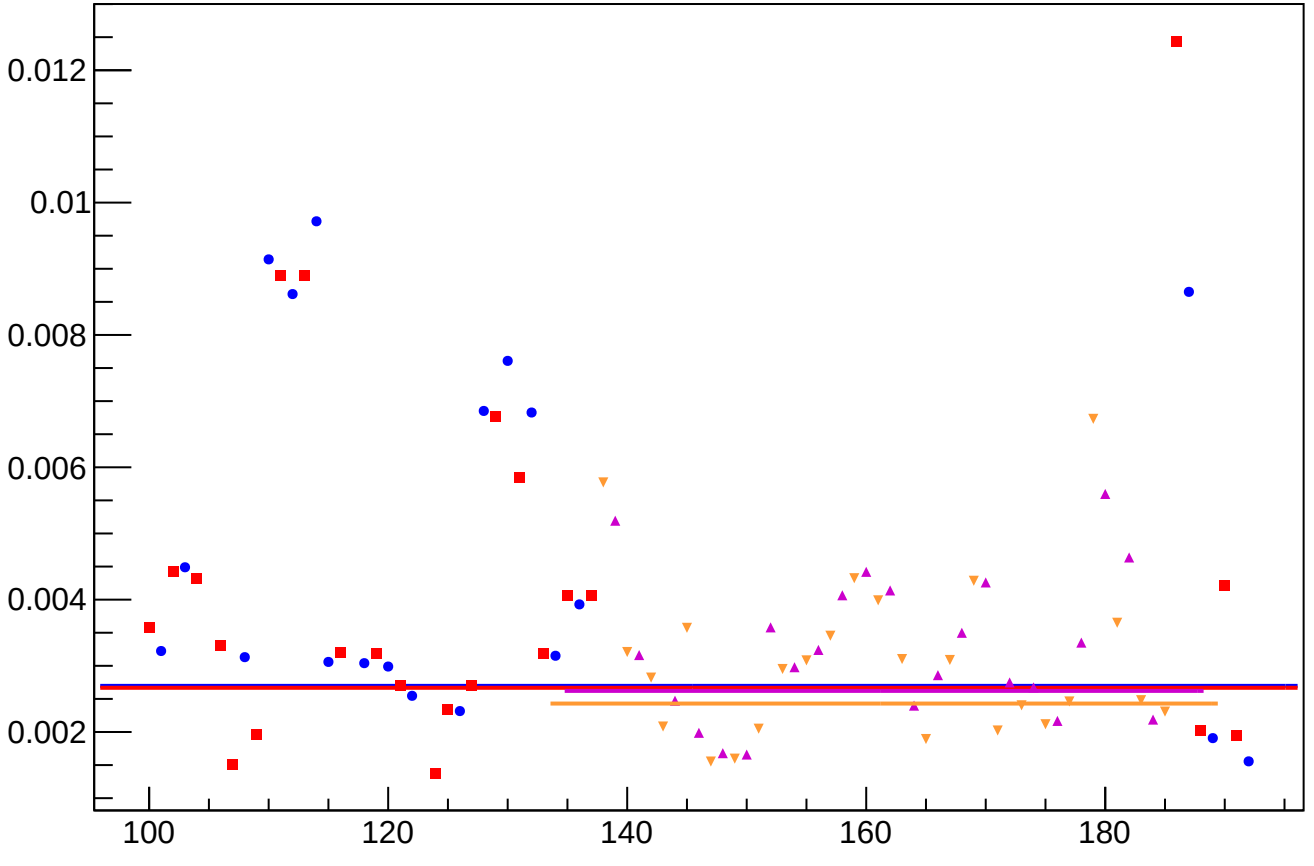
Right: 0.000+/-0.000 χ^2/NDF: 51.2/41

In: 0.000+/-0.000 χ^2/NDF:46.3/41

Out: 0.000+/-0.000 χ^2/NDF:62.8/47

All: 0.000+/-0.000 χ^2/NDF: 110.1/89

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: 0.003+/-0.000 χ^2/NDF: 3503433.4/22

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

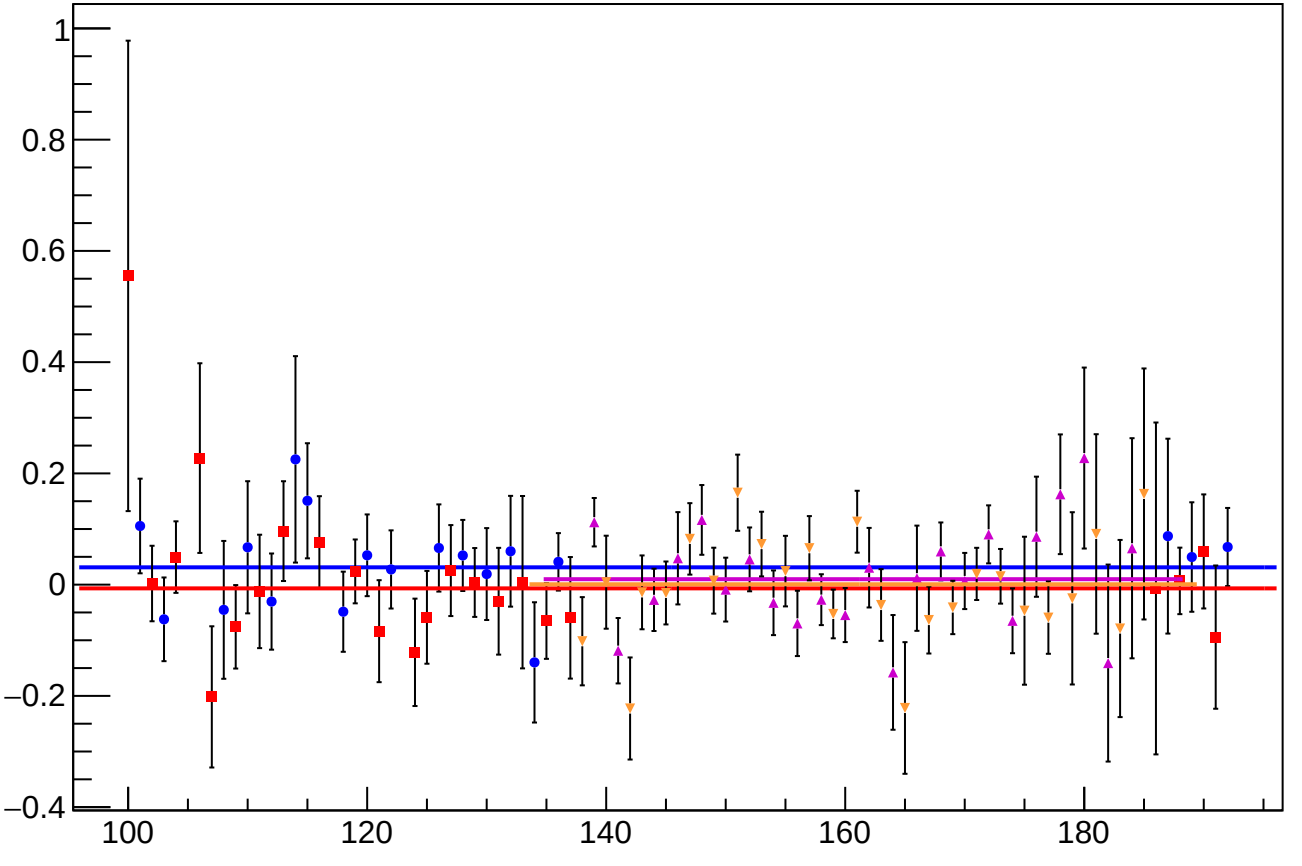
Right: 0.003+/-0.000 χ^2/NDF: 7093278.5/41

In: 0.003+/-0.000 χ^2/NDF:7551879.3/41

Out: 0.002+/-0.000 χ^2/NDF:7804570.2/47

All: 0.003+/-0.000 χ^2/NDF: 15437806.8/89

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: -0.007+/-0.018 χ^2/NDF: 14.9/22

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

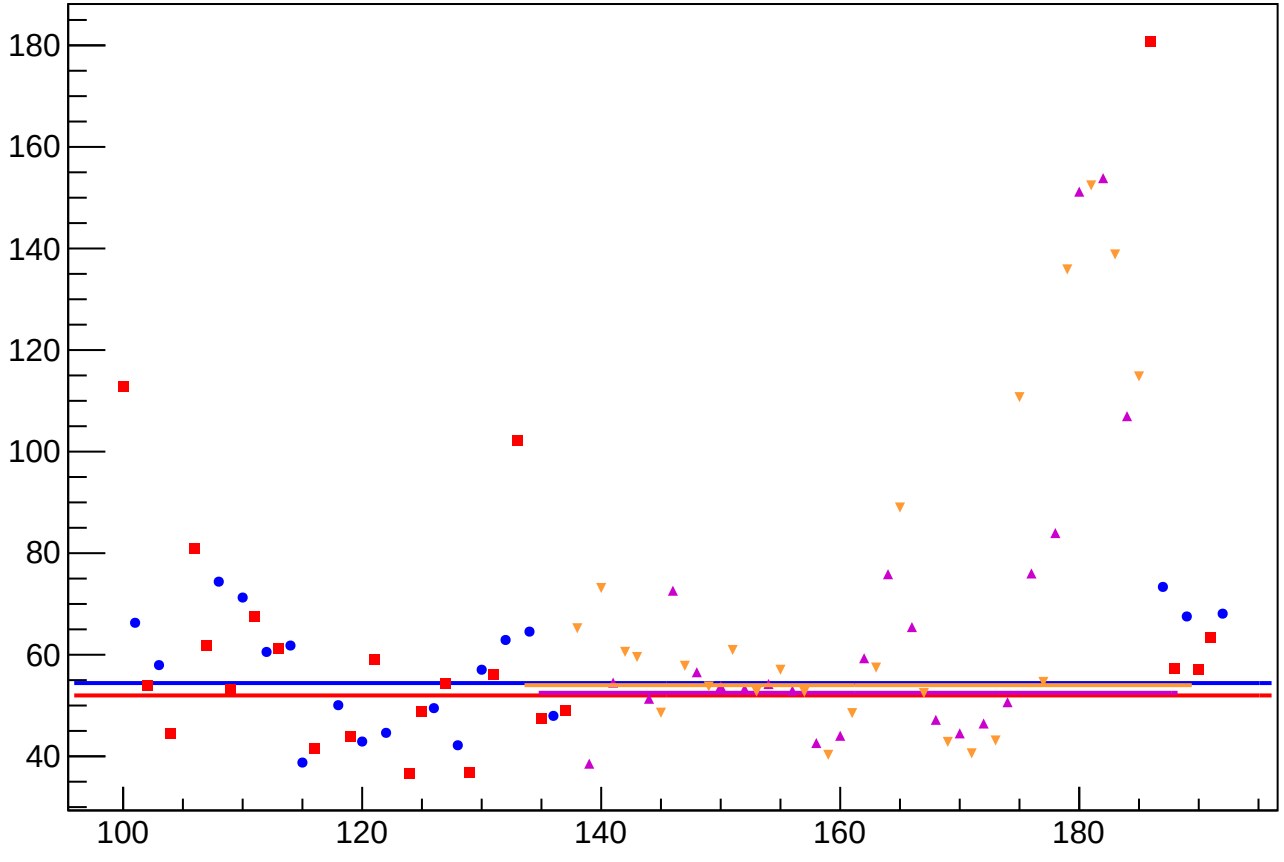
Right: 0.011+/-0.013 χ^2/NDF: 27.4/41

In: 0.017+/-0.011 χ^2/NDF:43.1/41

Out: -0.002+/-0.011 χ^2/NDF:46.7/47

All: 0.007+/-0.008 χ^2/NDF: 91.3/89

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: 51.986+/-0.013 χ^2/NDF: 1098775.3/22

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

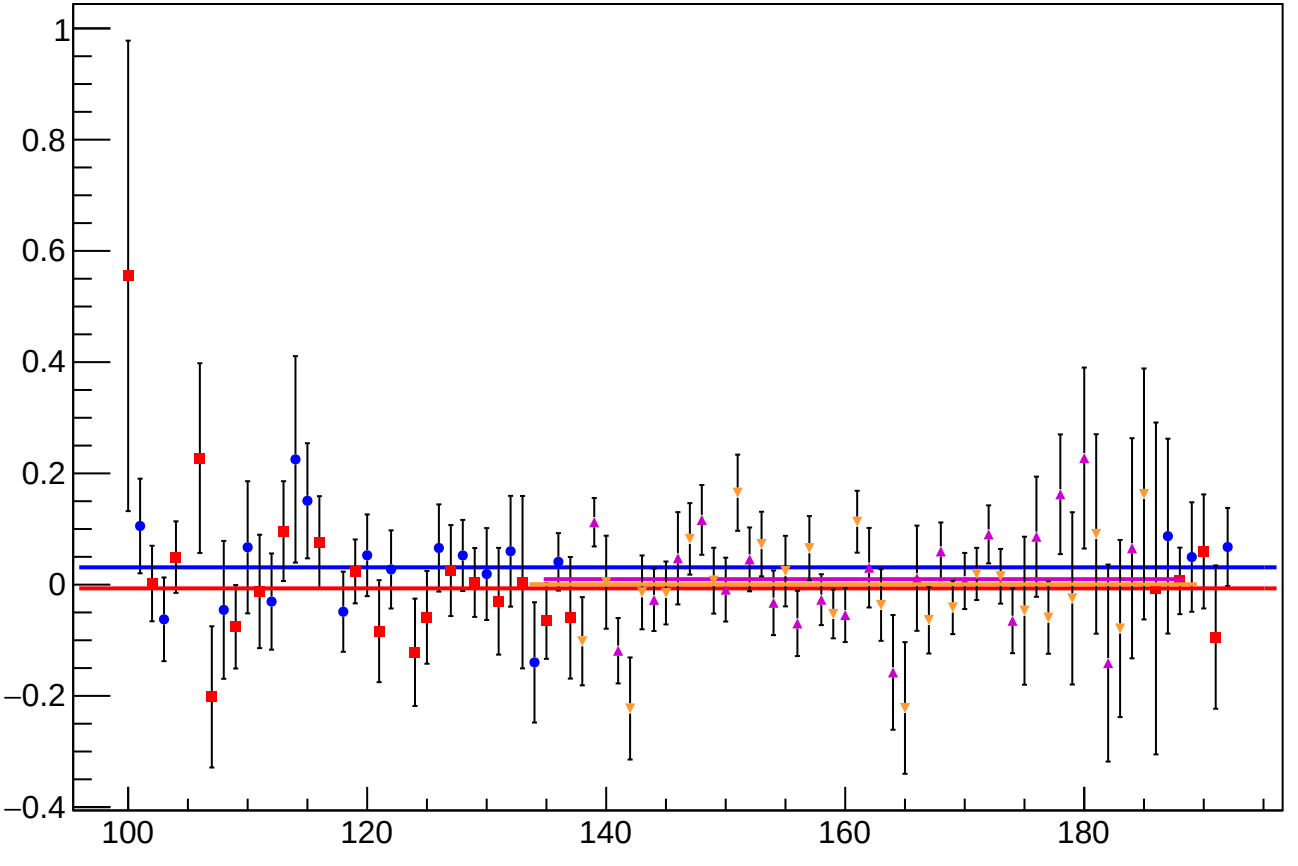
Right: 53.134+/-0.009 χ^2/NDF: 1687373.6/41

In: 53.125+/-0.008 χ^2/NDF:3142846.4/41

Out: 53.303+/-0.008 χ^2/NDF:4342811.6/47

All: 53.216+/-0.005 χ^2/NDF: 7485932.4/89

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: -0.007+/-0.018 χ^2/NDF: 14.9/22

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

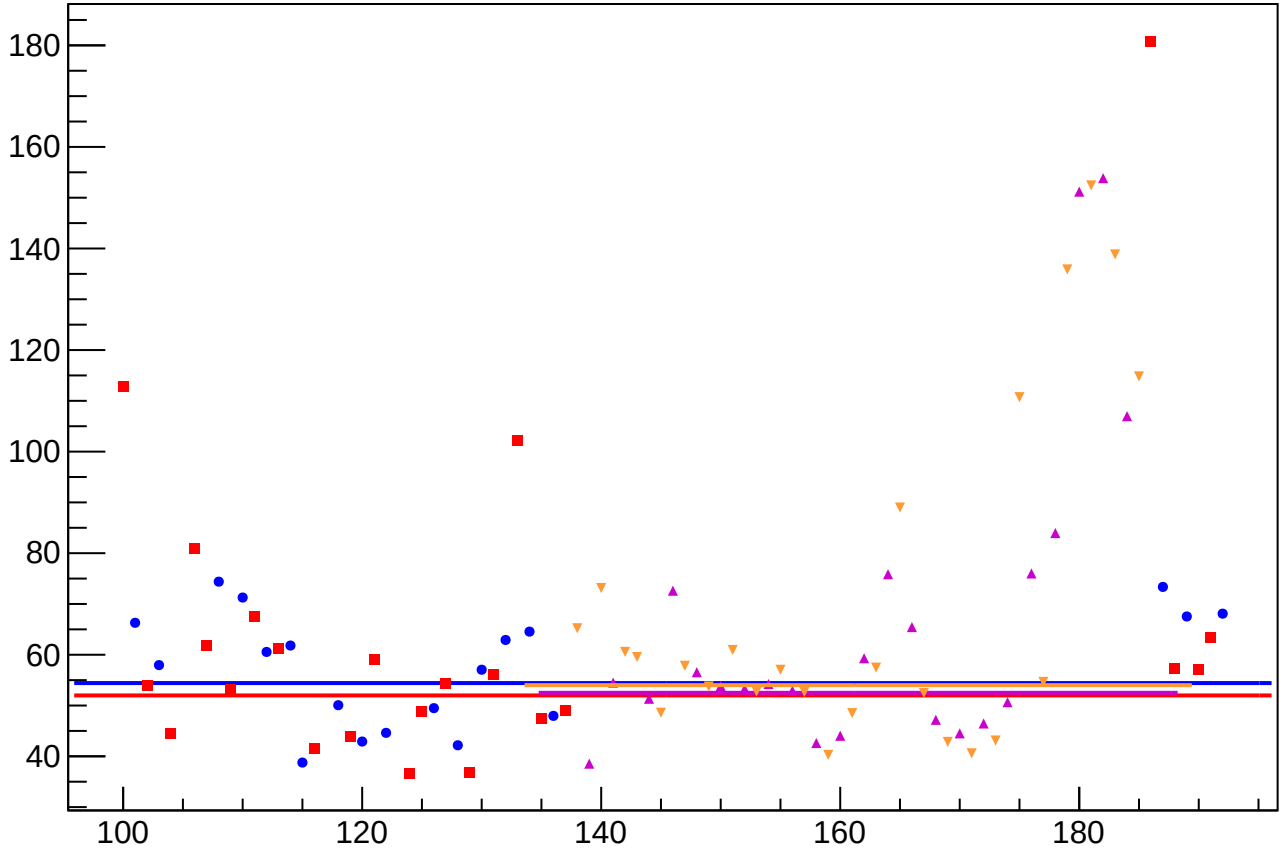
Right: 0.011+/-0.013 χ^2/NDF: 27.4/41

In: 0.017+/-0.011 χ^2/NDF:43.1/41

Out: -0.002+/-0.011 χ^2/NDF:46.7/47

All: 0.007+/-0.008 χ^2/NDF: 91.3/89

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: 51.986+/-0.013 χ^2/NDF: 1098775.3/22

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

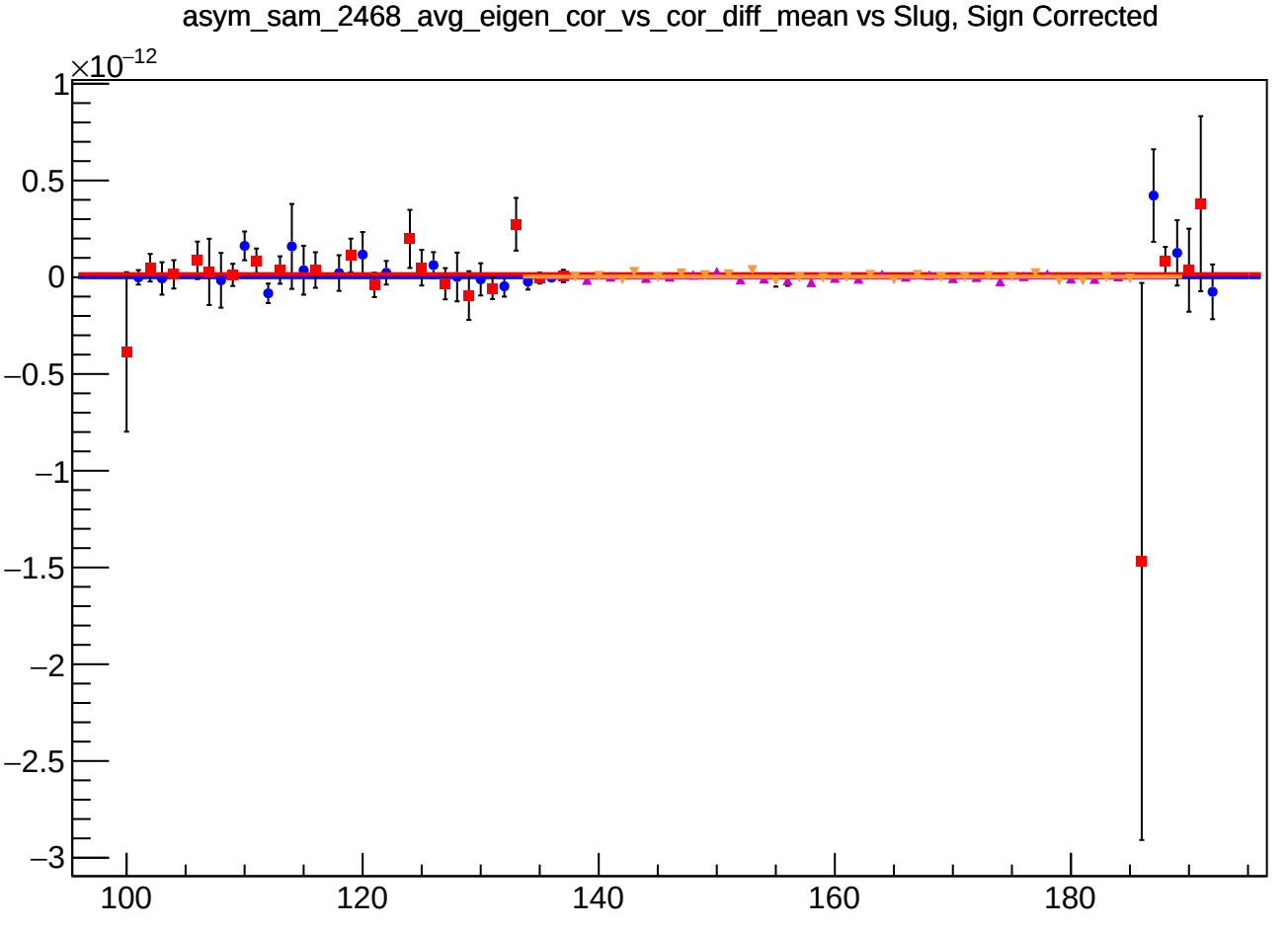
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 53.134+/-0.009 χ^2/NDF: 1687373.6/41

In: 53.125+/-0.008 χ^2/NDF:3142846.4/41

Out: 53.303+/-0.008 χ^2/NDF:4342811.6/47

All: 53.216+/-0.005 χ^2/NDF: 7485932.4/89



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: 16.4/22

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

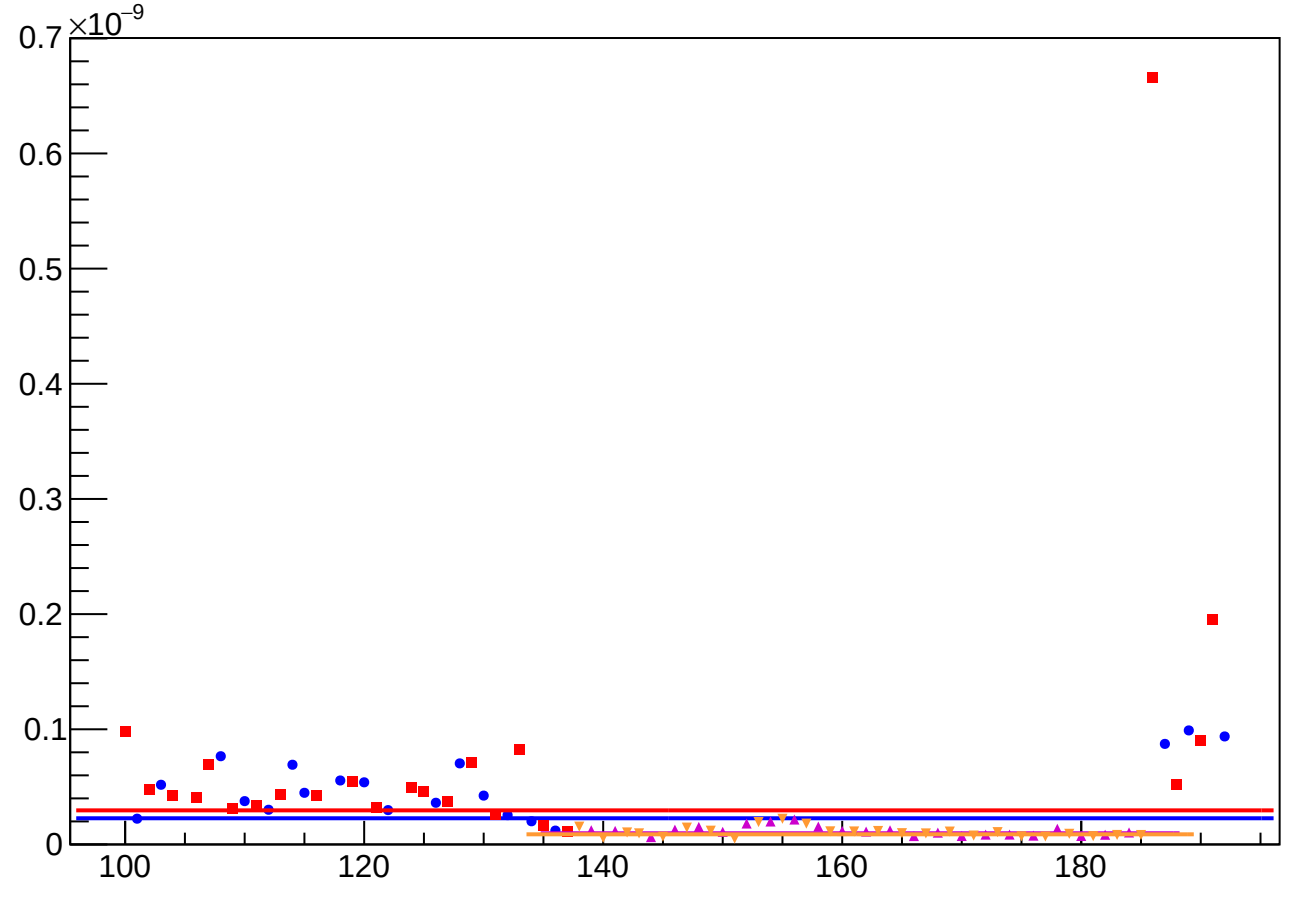
Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

Right: 0.000+/-0.000 χ^2/NDF: 32.4/41

In: -0.000+/-0.000 χ^2/NDF:30.5/41

Out: 0.000+/-0.000 χ^2/NDF:39.1/47

All: 0.000+/-0.000 χ^2/NDF: 71.3/89



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: 3425026.7/22

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

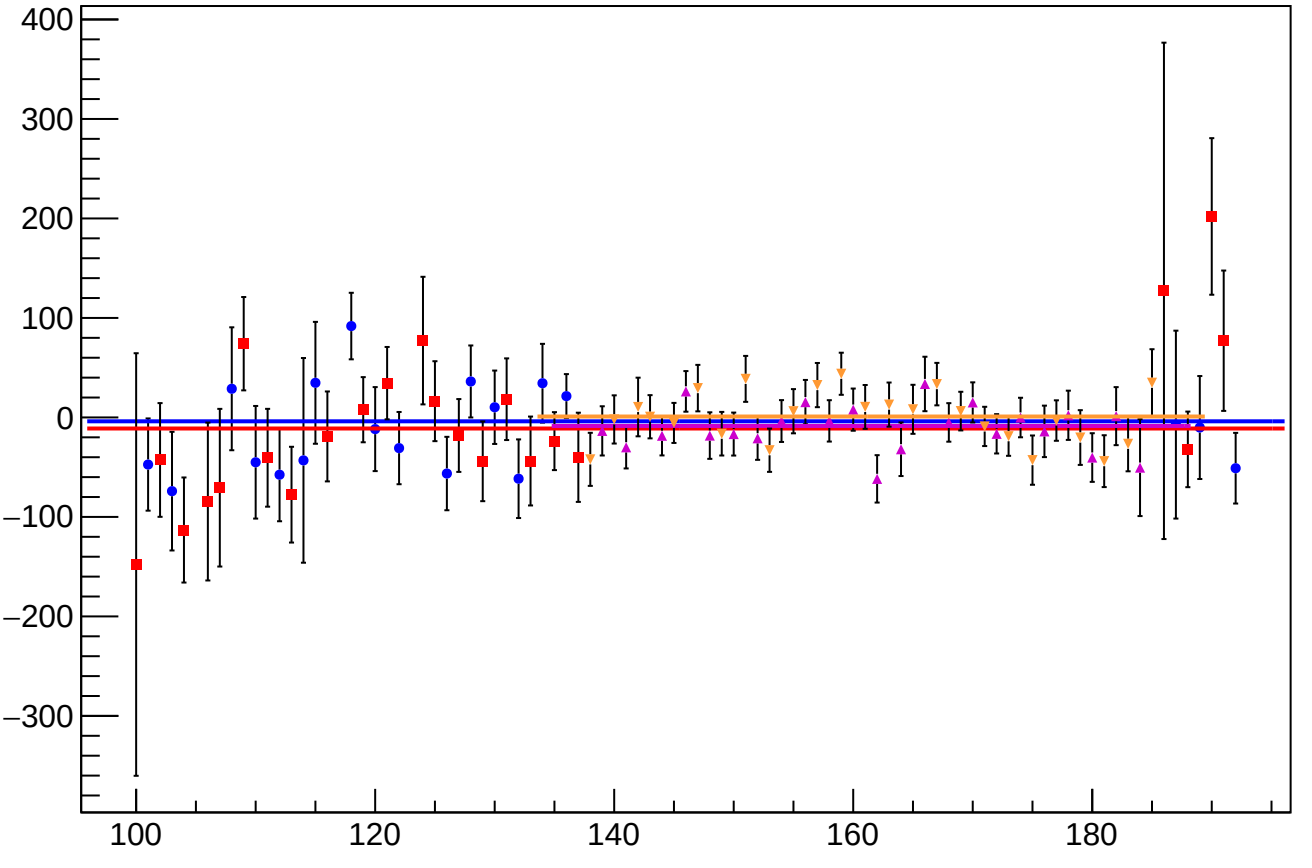
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 7297765.1/41

In: 0.000+/-0.000 χ^2/NDF:8175217.5/41

Out: 0.000+/-0.000 χ^2/NDF:10104417.7/47

All: 0.000+/-0.000 χ^2/NDF: 18401143.4/89



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: -11.132+/-9.732 χ^2/NDF: 27.6/22

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

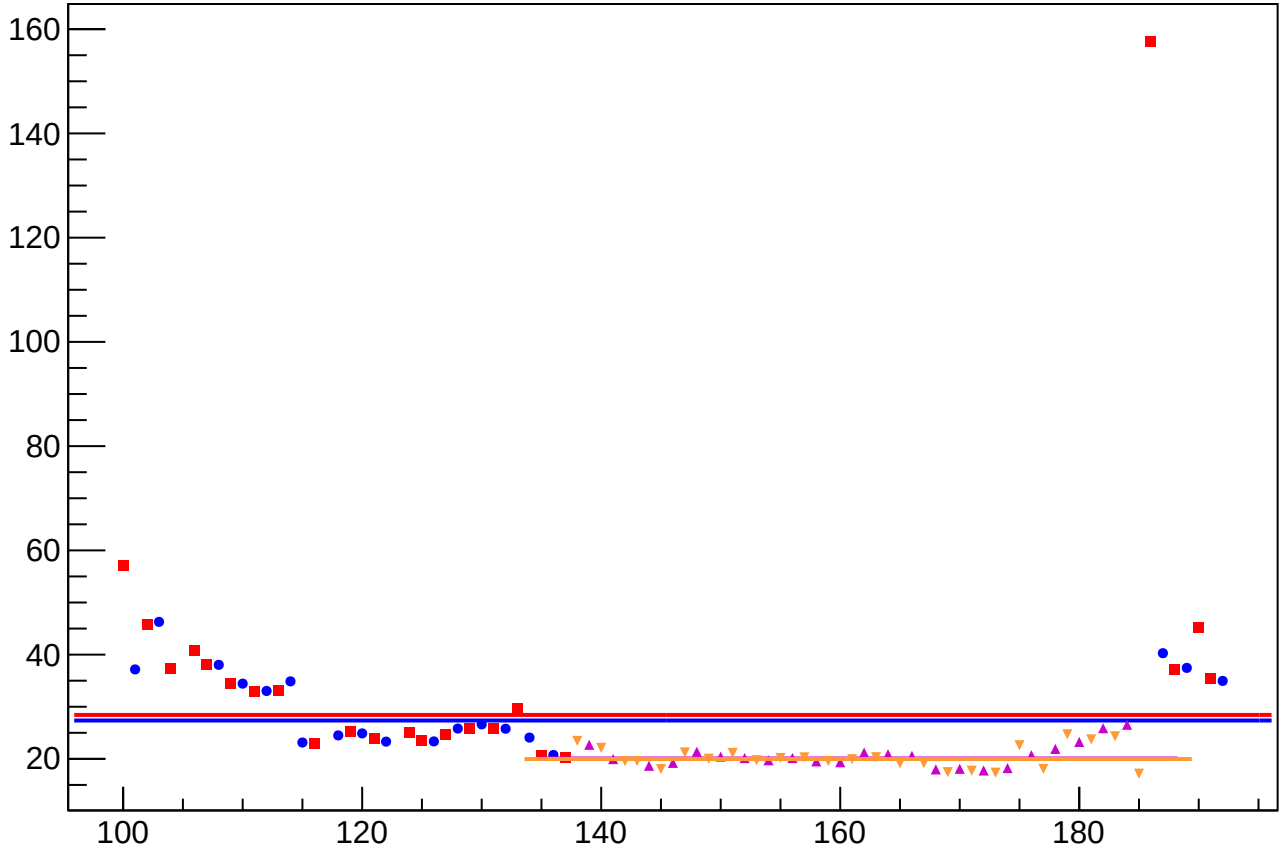
Right: -7.408+/-6.782 χ^2/NDF: 51.2/41

In: -7.660+/-4.226 χ^2/NDF:42.8/41

Out: -1.263+/-4.140 χ^2/NDF:58.1/47

All: -4.396+/-2.957 χ^2/NDF: 102.1/89

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: 28.432+/-0.007 χ^2/NDF: 1537924.9/22

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

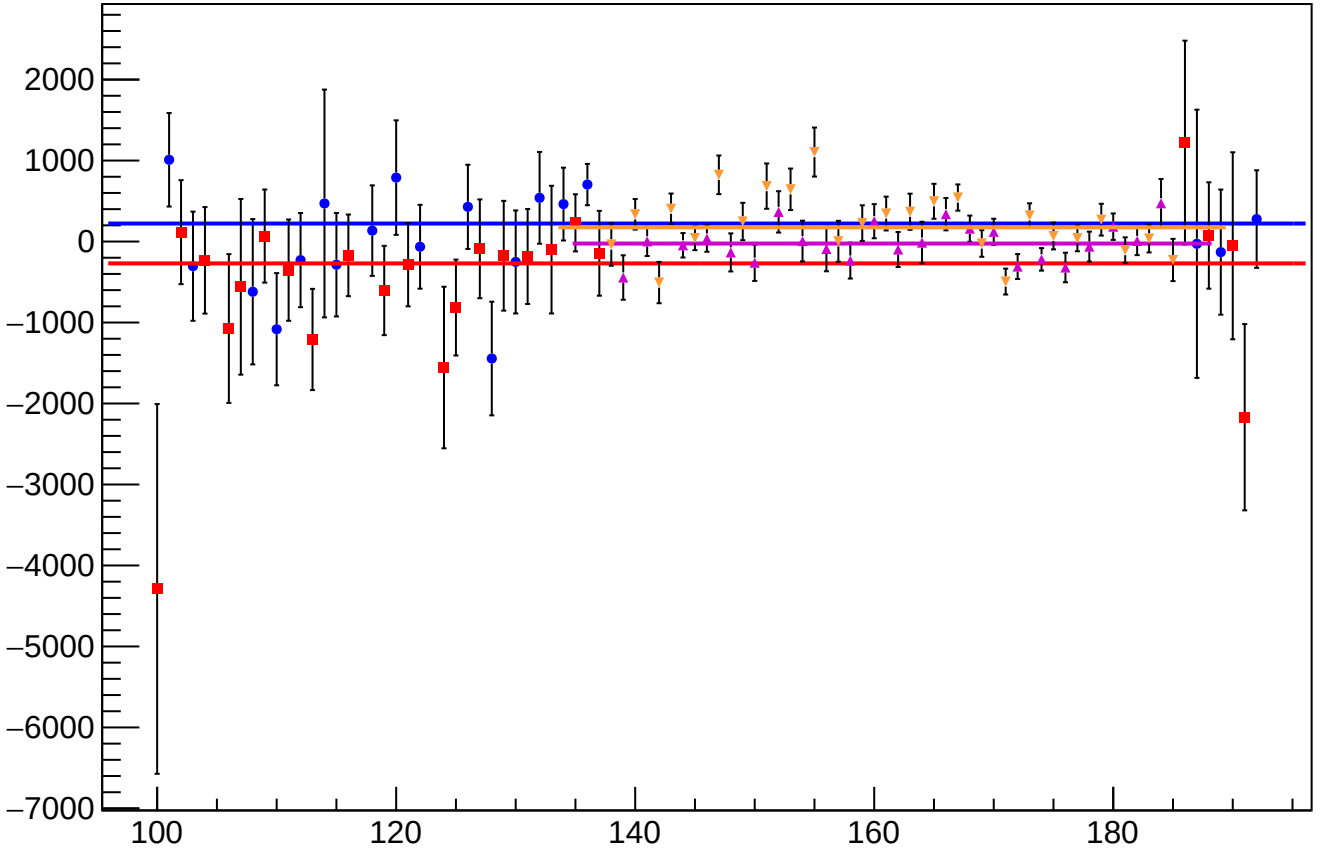
Right: 27.881+/-0.005 χ^2/NDF: 2456886.2/41

In: 21.528+/-0.003 χ^2/NDF:2159307.0/41

Out: 21.500+/-0.003 χ^2/NDF:3163573.3/47

All: 21.514+/-0.002 χ^2/NDF: 5322926.0/89

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: -269.884+/-134.230 χ^2/NDF: 16.5/22

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

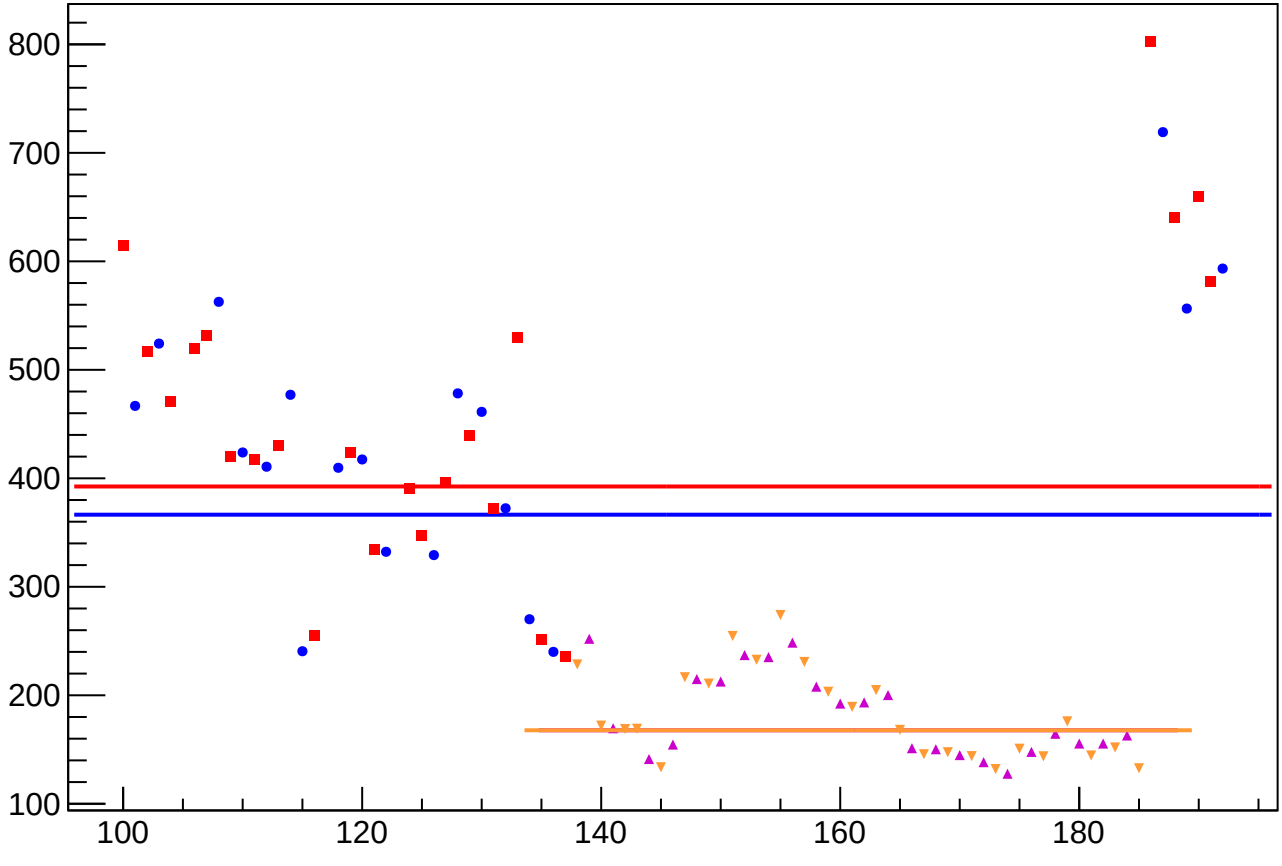
Right: -14.614+/-93.141 χ^2/NDF: 43.4/41

In: -2.959+/-38.276 χ^2/NDF:50.1/41

Out: 140.004+/-37.495 χ^2/NDF:97.9/47

All: 69.996+/-26.785 χ^2/NDF: 155.1/89

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: 392.473+/-0.095 χ^2/NDF: 1631866.2/22

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

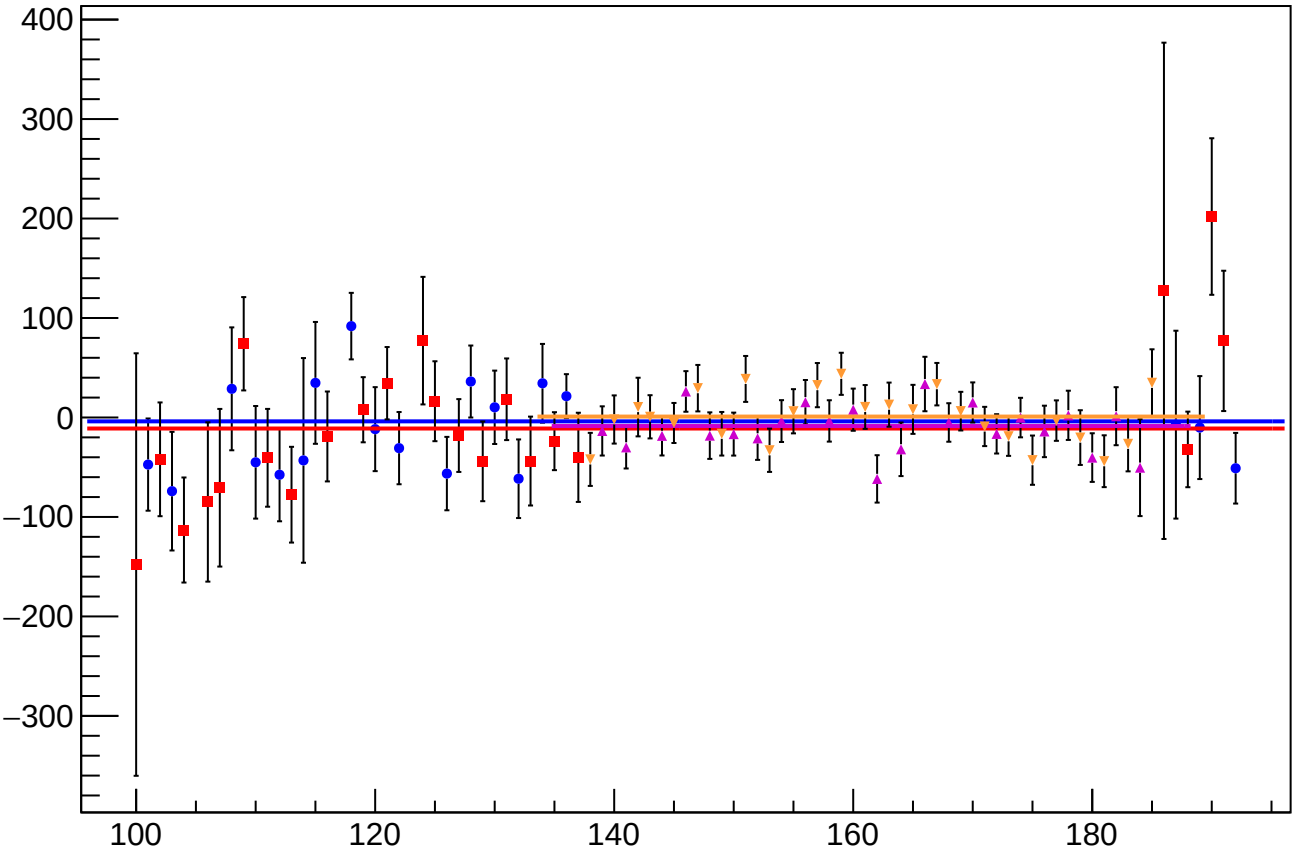
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 378.989+/-0.066 χ^2/NDF: 3265850.8/41

In: 185.149+/-0.027 χ^2/NDF:7305319.1/41

Out: 185.288+/-0.027 χ^2/NDF:8378191.7/47

All: 185.220+/-0.019 χ^2/NDF: 15683524.4/89



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: -11.096+/-9.734 χ^2/NDF: 27.6/22

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

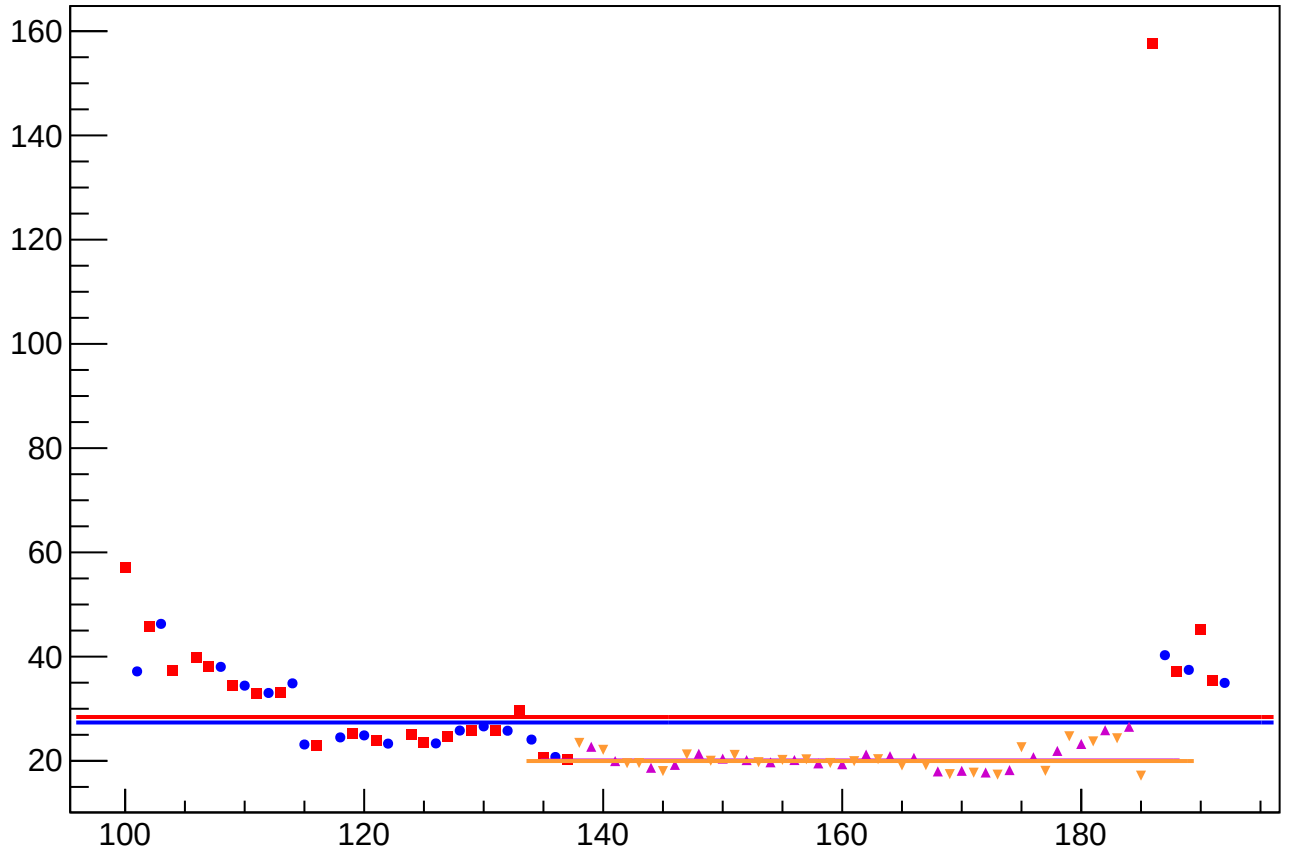
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -7.389+/-6.782 χ^2/NDF: 51.1/41

In: -7.660+/-4.226 χ^2/NDF:42.8/41

Out: -1.258+/-4.140 χ^2/NDF:58.1/47

All: -4.393+/-2.957 χ^2/NDF: 102.1/89



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: 28.413+/-0.007 χ^2/NDF: 1529240.9/22

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

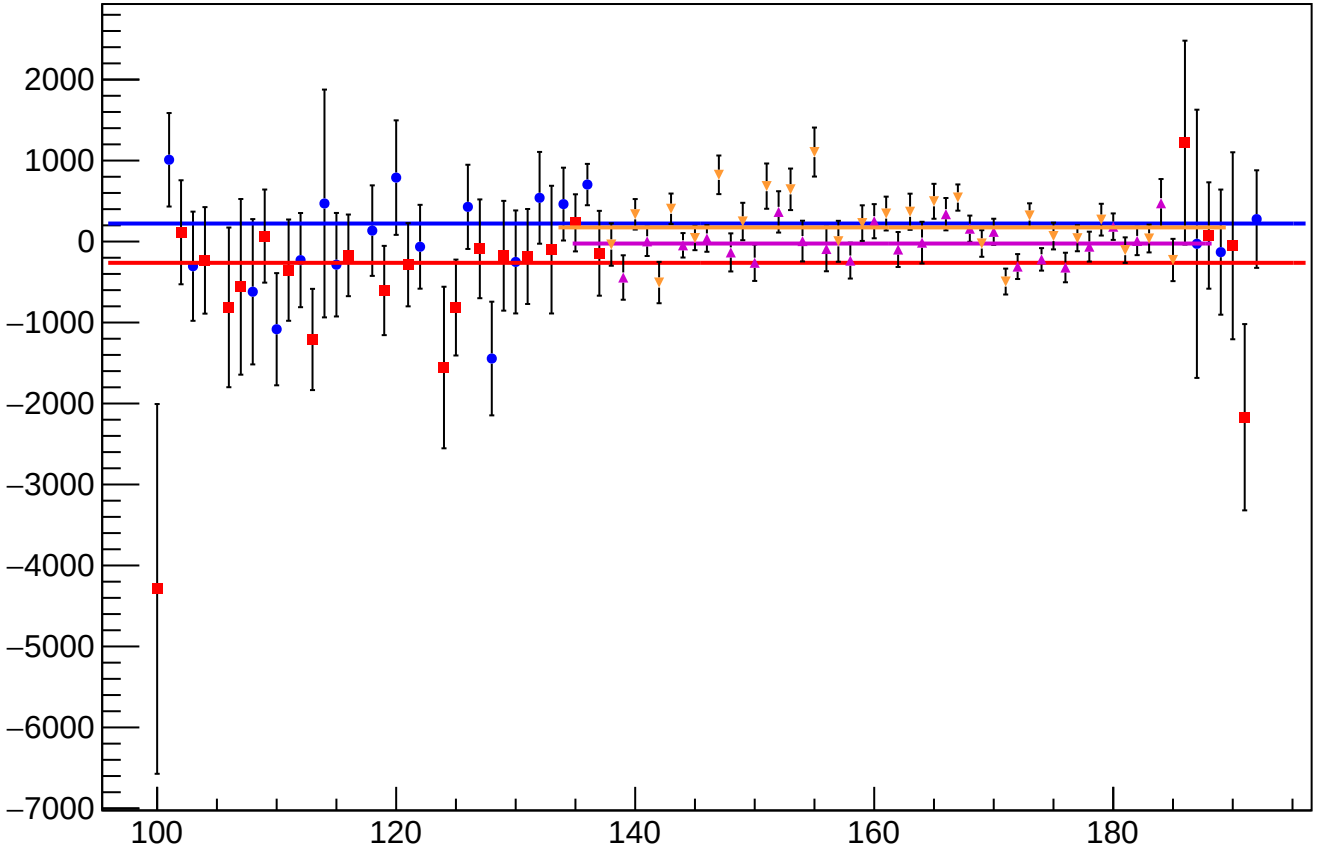
Right: 27.872+/-0.005 χ^2/NDF: 2447758.8/41

In: 21.528+/-0.003 χ^2/NDF:2159310.3/41

Out: 21.496+/-0.003 χ^2/NDF:3148942.4/47

All: 21.512+/-0.002 χ^2/NDF: 5308311.8/89

asym_sam_1357_2468_dd_cor_correction_mean vs Slug, Sign Corrected



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: -262.842+/-134.421 χ^2/NDF: 16.1/22

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

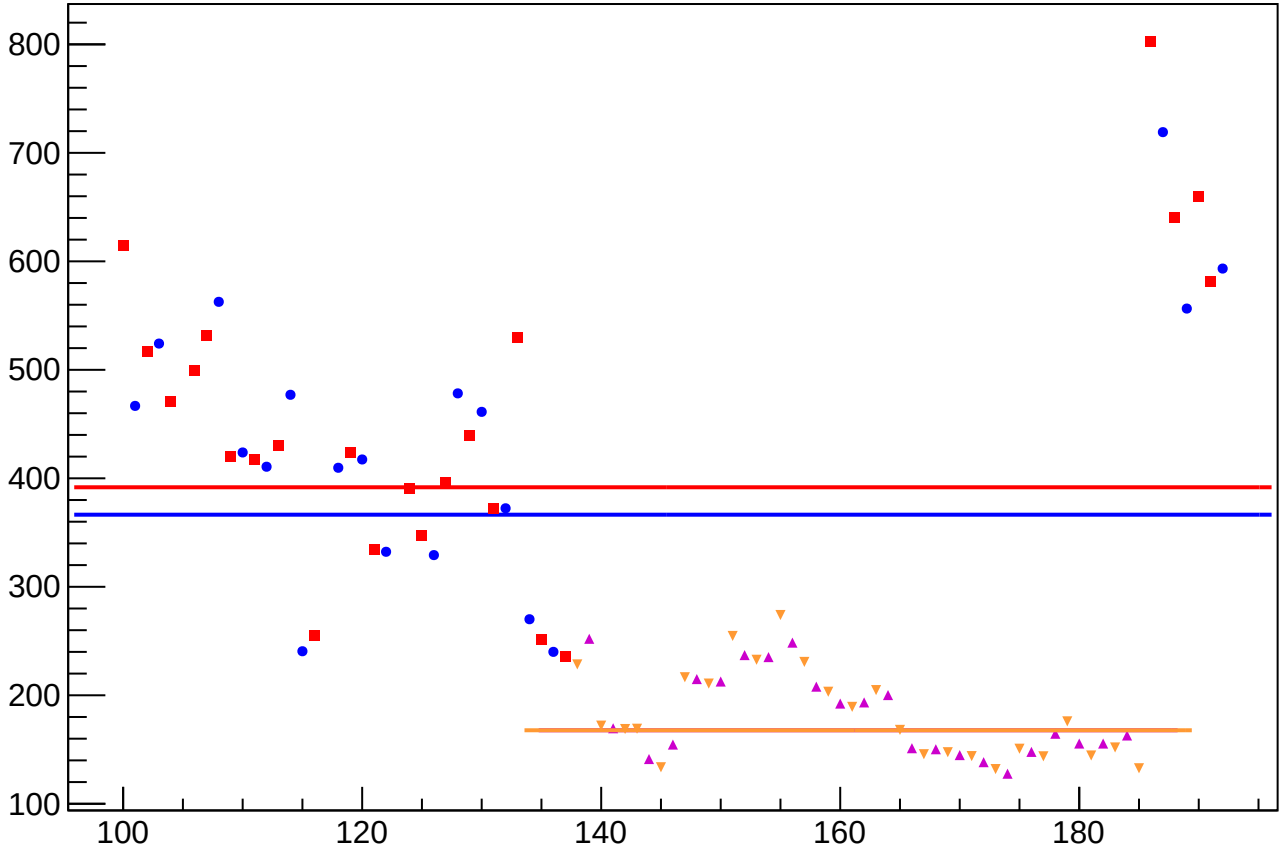
Right: -10.881+/-93.205 χ^2/NDF: 42.7/41

In: -2.961+/-38.276 χ^2/NDF:50.1/41

Out: 140.641+/-37.499 χ^2/NDF:97.0/47

All: 70.313+/-26.786 χ^2/NDF: 154.3/89

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: 391.742+/-0.095 χ^2/NDF: 1617154.3/22

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

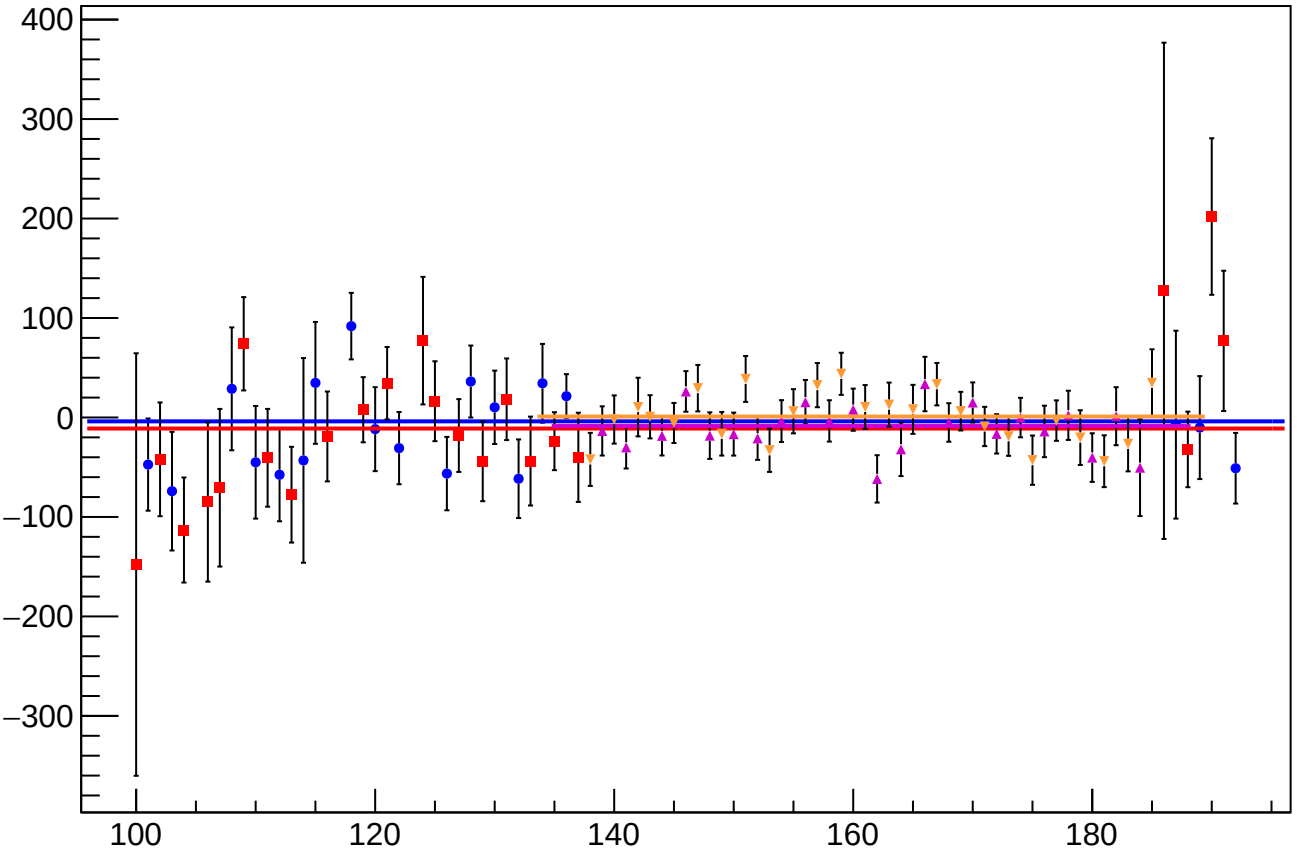
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 378.618+/-0.066 χ^2/NDF: 3248952.7/41

In: 185.149+/-0.027 χ^2/NDF:7305334.1/41

Out: 185.185+/-0.027 χ^2/NDF:8316393.3/47

All: 185.167+/-0.019 χ^2/NDF: 15621728.3/89



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: -11.096+/-9.734 χ^2/NDF: 27.6/22

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

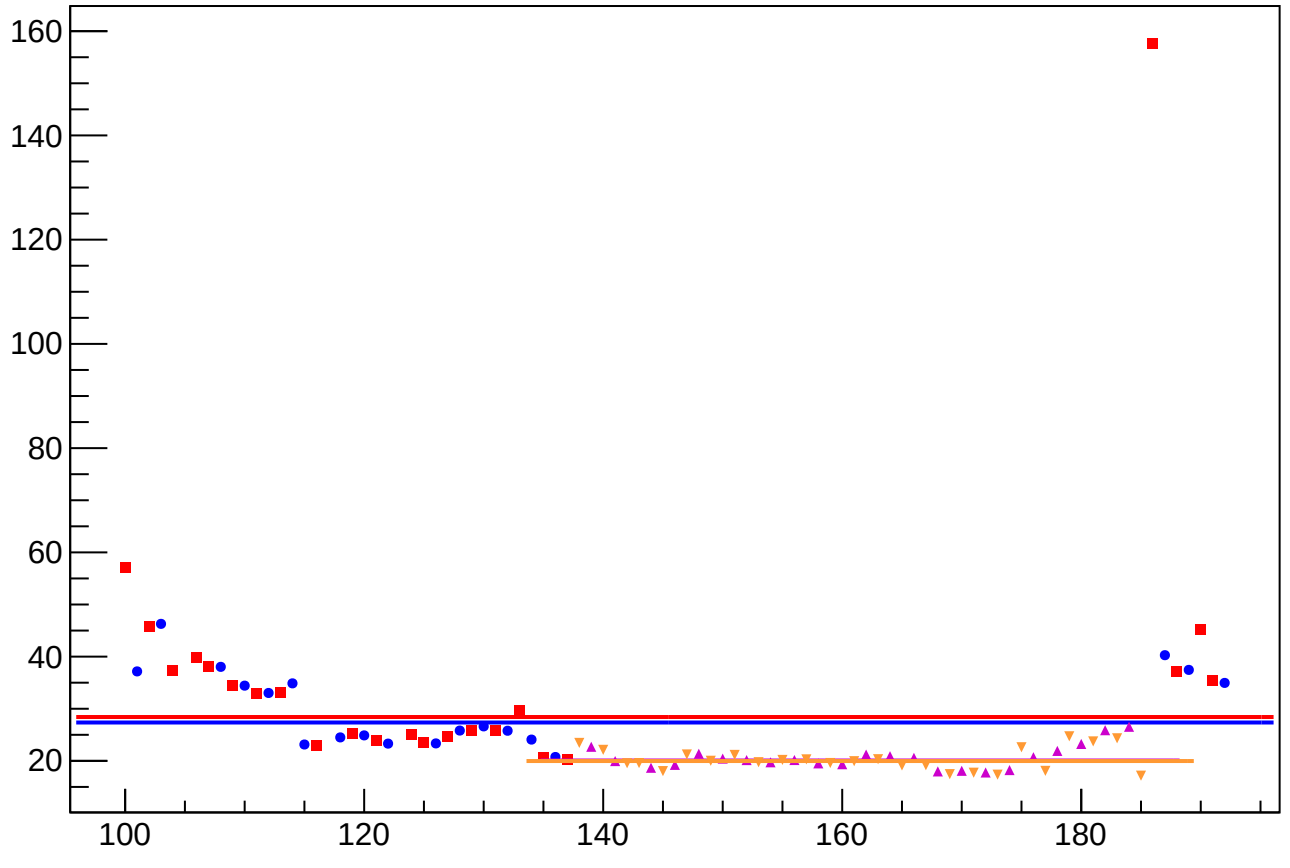
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -7.389+/-6.782 χ^2/NDF: 51.1/41

In: -7.660+/-4.226 χ^2/NDF:42.8/41

Out: -1.258+/-4.140 χ^2/NDF:58.1/47

All: -4.393+/-2.957 χ^2/NDF: 102.1/89



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: 28.413+/-0.007 χ^2/NDF: 1529240.9/22

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

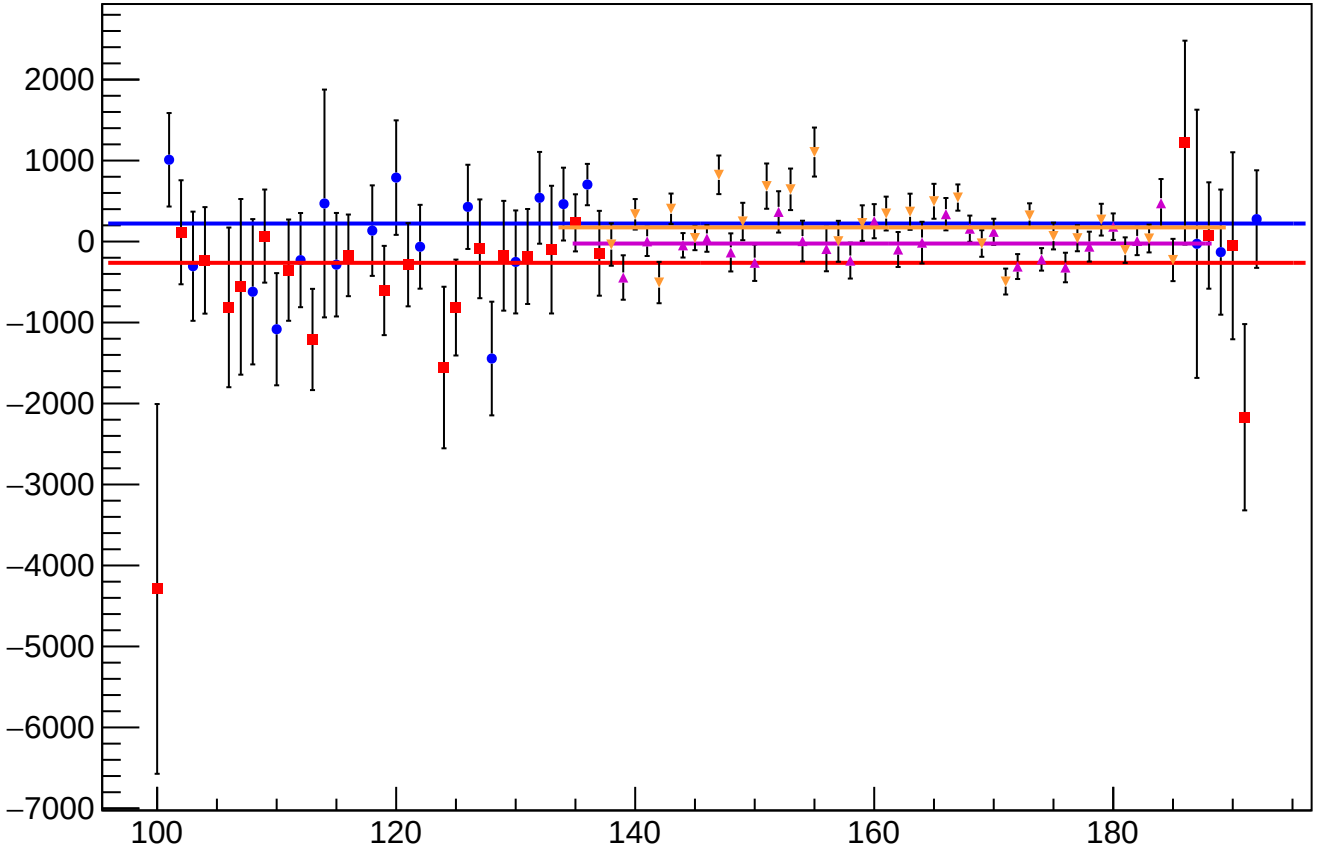
Right: 27.872+/-0.005 χ^2/NDF: 2447758.8/41

In: 21.528+/-0.003 χ^2/NDF:2159310.3/41

Out: 21.496+/-0.003 χ^2/NDF:3148942.4/47

All: 21.512+/-0.002 χ^2/NDF: 5308311.8/89

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -262.842+/-134.421 χ^2/NDF: 16.1/22

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

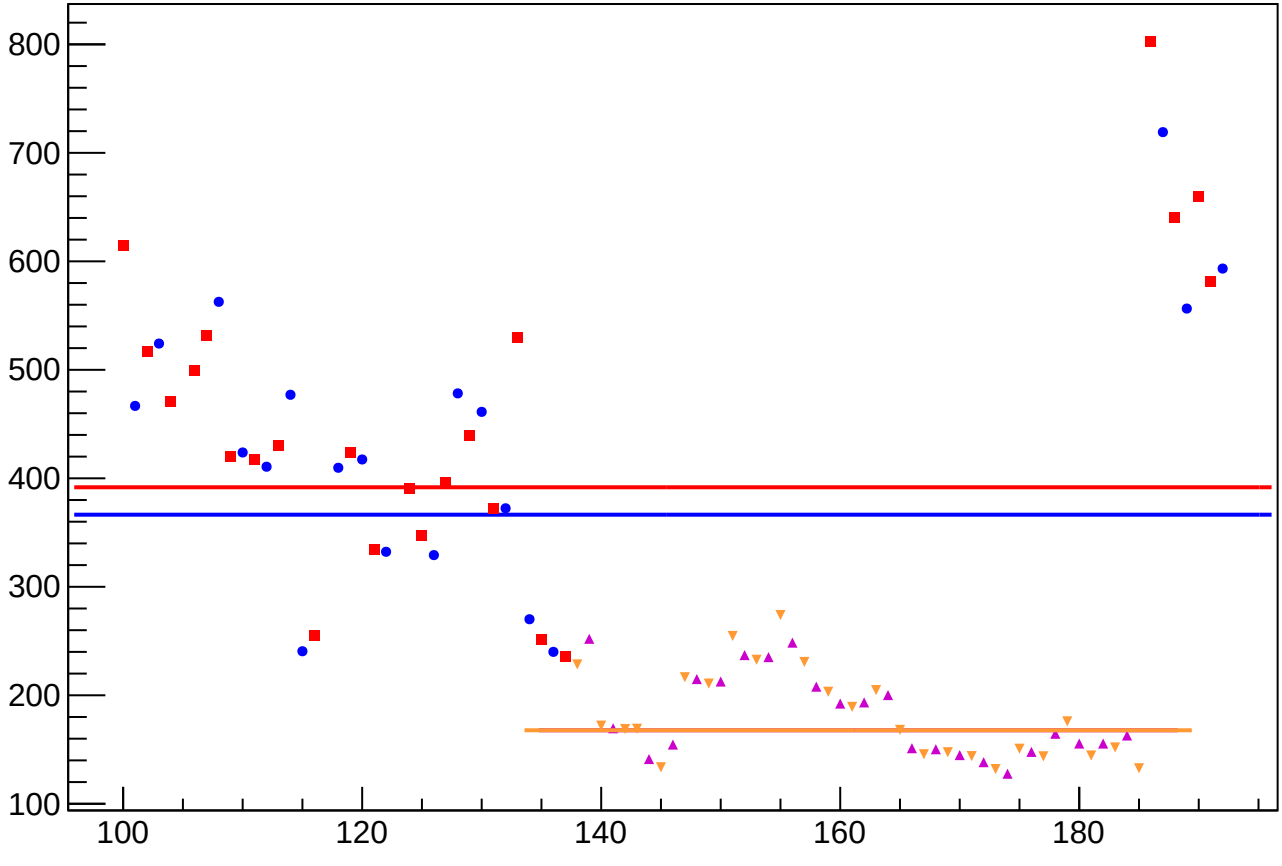
Right: -10.881+/-93.205 χ^2/NDF: 42.7/41

In: -2.961+/-38.276 χ^2/NDF:50.1/41

Out: 140.641+/-37.499 χ^2/NDF:97.0/47

All: 70.313+/-26.786 χ^2/NDF: 154.3/89

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: 391.742+/-0.095 χ^2/NDF: 1617154.3/22

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

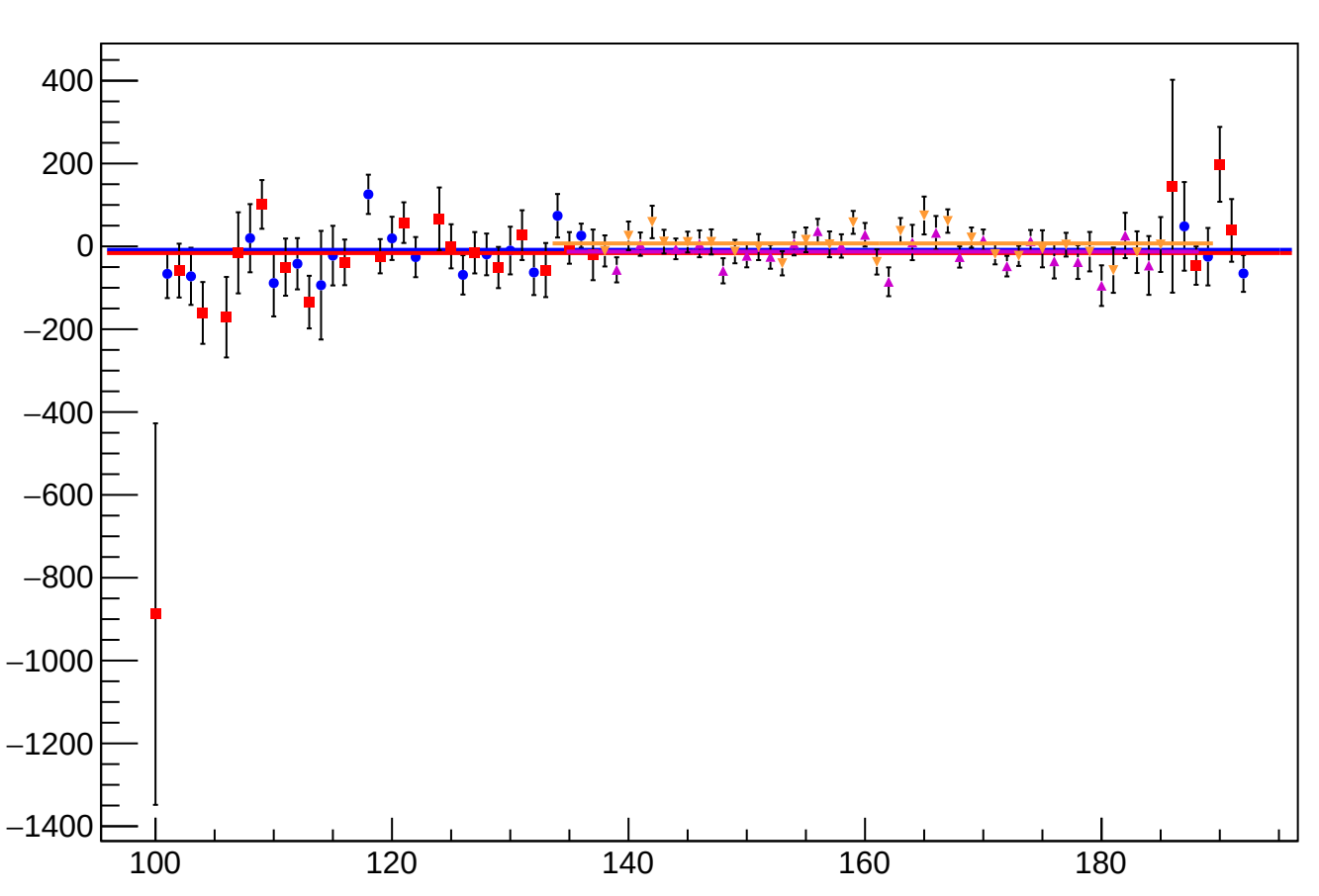
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 378.618+/-0.066 χ^2/NDF: 3248952.7/41

In: 185.149+/-0.027 χ^2/NDF:7305334.1/41

Out: 185.185+/-0.027 χ^2/NDF:8316393.3/47

All: 185.167+/-0.019 χ^2/NDF: 15621728.3/89



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: -16.189+/-12.613 χ^2/NDF: 30.2/22

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

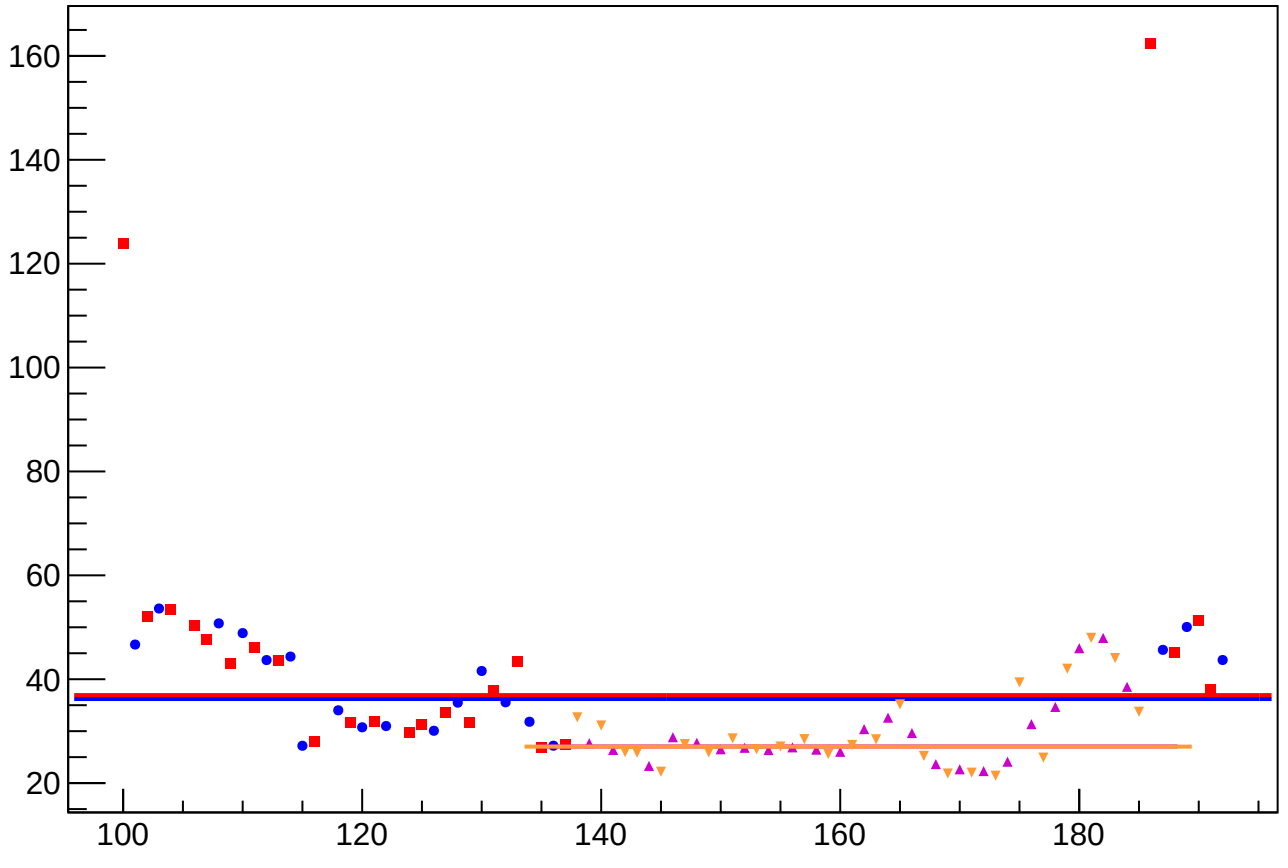
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -12.232+/-8.887 χ^2/NDF: 51.0/41

In: -11.767+/-5.779 χ^2/NDF:46.3/41

Out: 2.394+/-5.660 χ^2/NDF:55.6/47

All: -4.539+/-4.043 χ^2/NDF: 105.0/89



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: 36.943+/-0.009 χ^2/NDF: 1391361.7/22

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

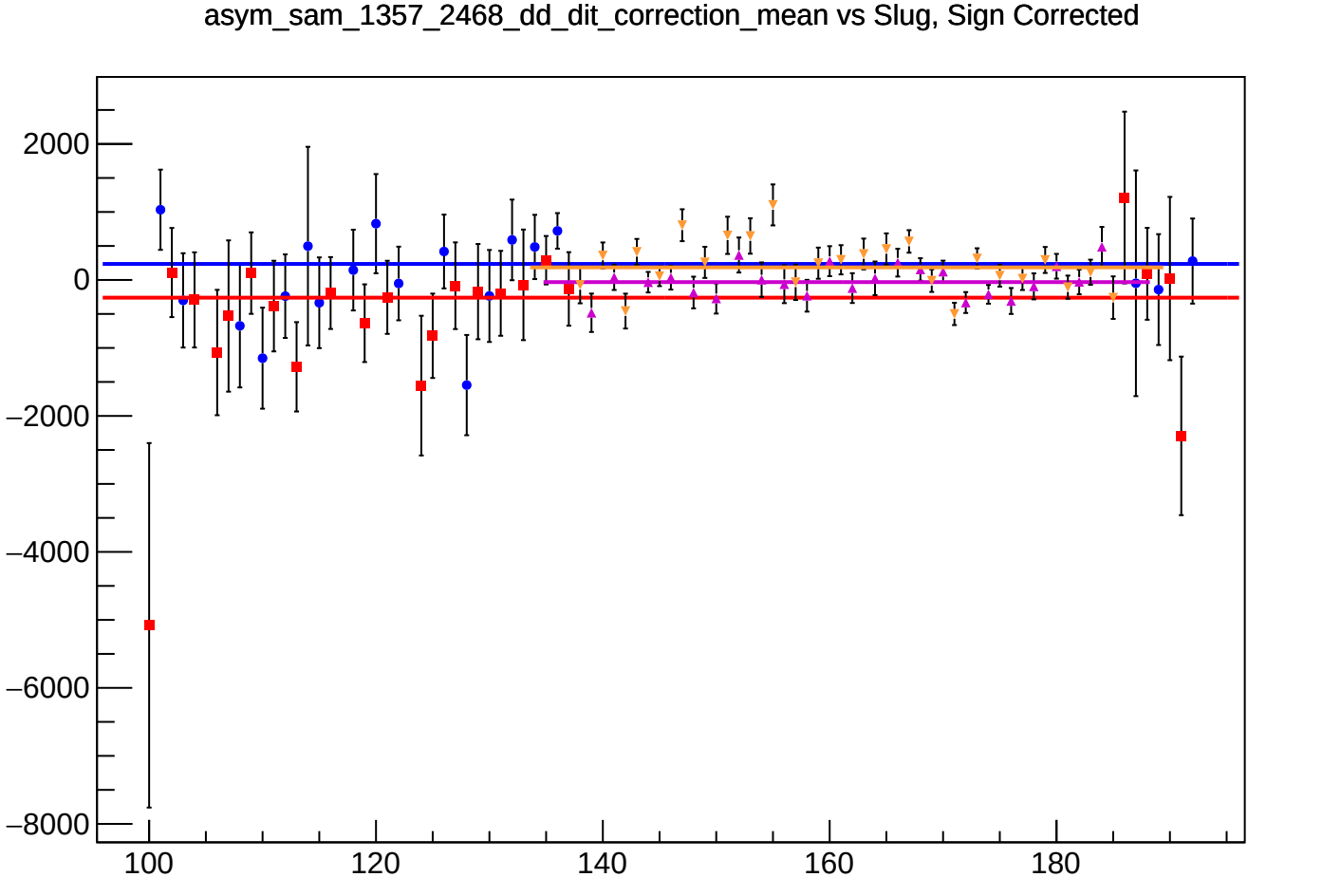
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 36.567+/-0.006 χ^2/NDF: 2225611.4/41

In: 28.999+/-0.004 χ^2/NDF:2714248.7/41

Out: 29.023+/-0.004 χ^2/NDF:3809327.5/47

All: 29.011+/-0.003 χ^2/NDF: 6523594.3/89



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: -260.620+/-139.190 χ^2/NDF: 17.4/22

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

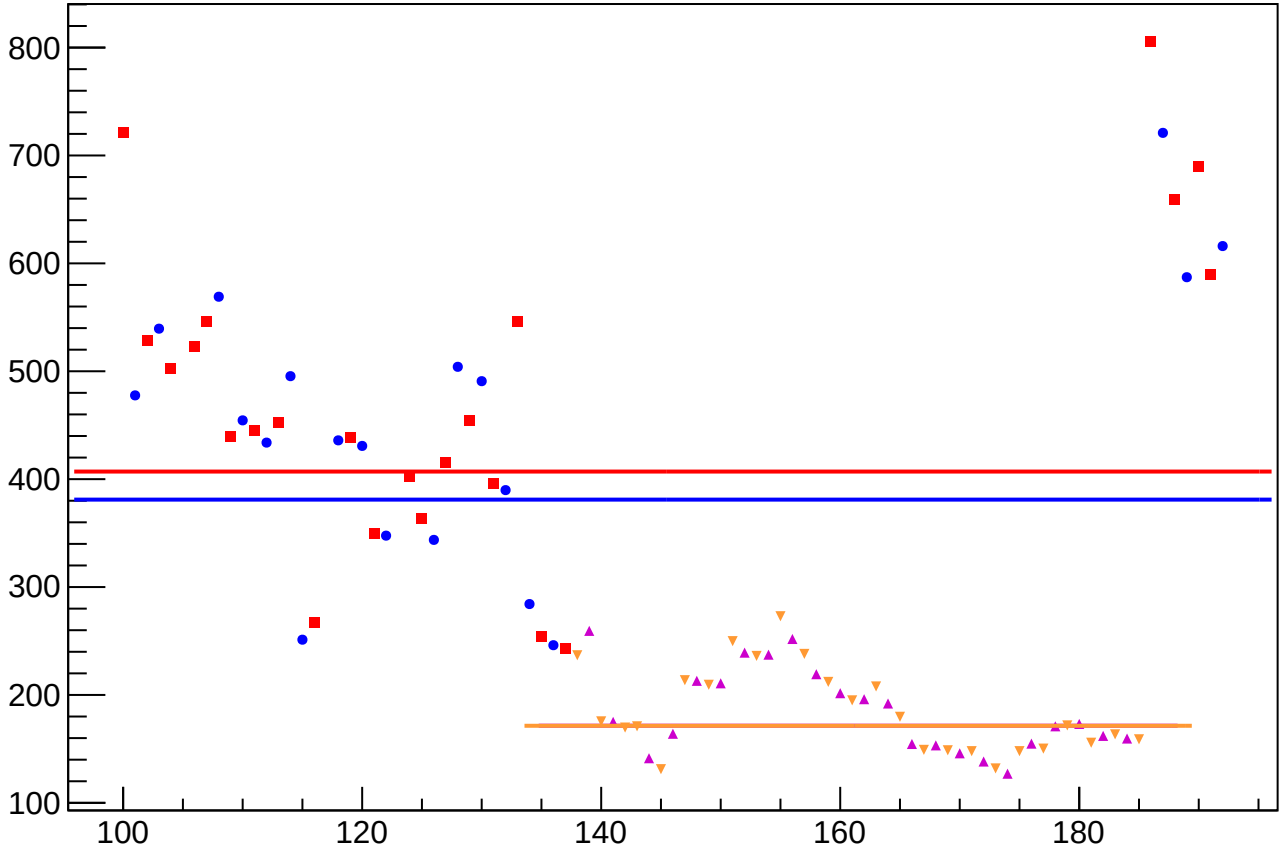
Right: -4.177+/-96.737 χ^2/NDF: 43.9/41

In: -9.202+/-39.197 χ^2/NDF:50.0/41

Out: 150.969+/-38.295 χ^2/NDF:94.5/47

All: 72.749+/-27.392 χ^2/NDF: 153.1/89

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: 407.044+/-0.098 χ^2/NDF: 1654971.7/22

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

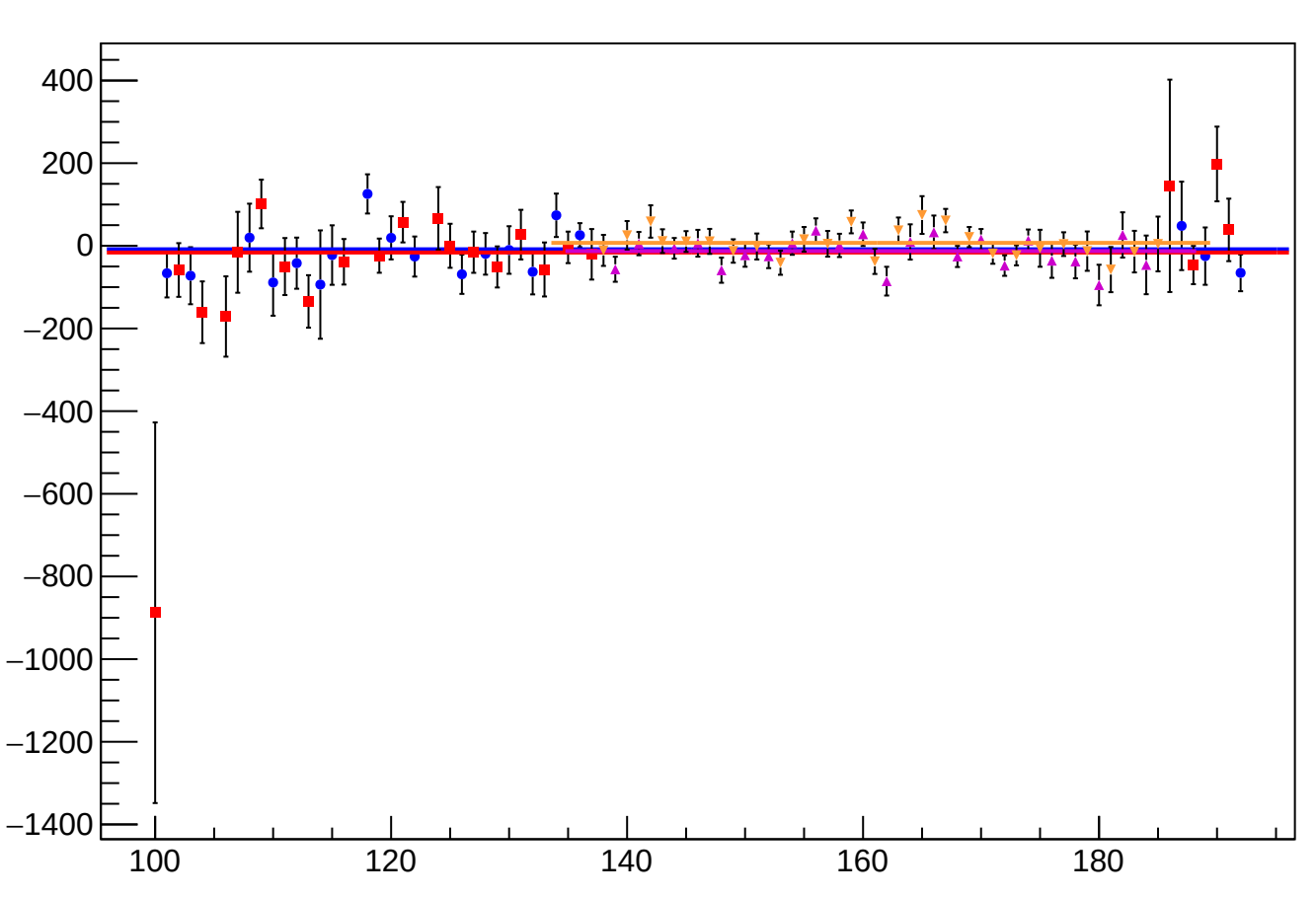
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 393.600+/-0.068 χ^2/NDF: 3319895.5/41

In: 189.276+/-0.028 χ^2/NDF:7484451.9/41

Out: 189.262+/-0.027 χ^2/NDF:8478967.5/47

All: 189.269+/-0.019 χ^2/NDF: 15963419.6/89



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: -16.189+/-12.612 χ^2/NDF: 30.2/22

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

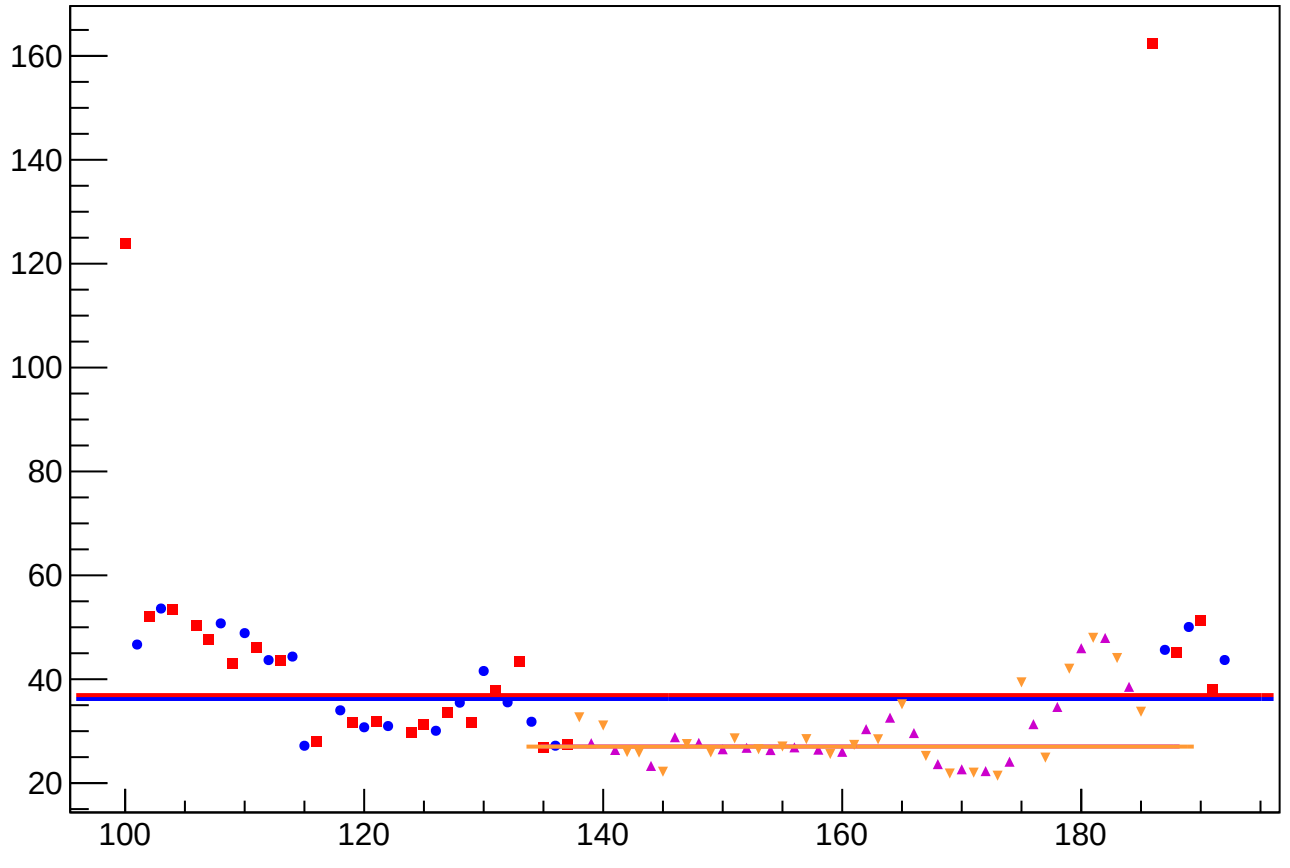
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -12.232+/-8.887 χ^2/NDF: 51.0/41

In: -11.767+/-5.779 χ^2/NDF:46.3/41

Out: 2.394+/-5.660 χ^2/NDF:55.6/47

All: -4.540+/-4.043 χ^2/NDF: 105.0/89



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: 36.943+/-0.009 χ^2/NDF: 1391345.4/22

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

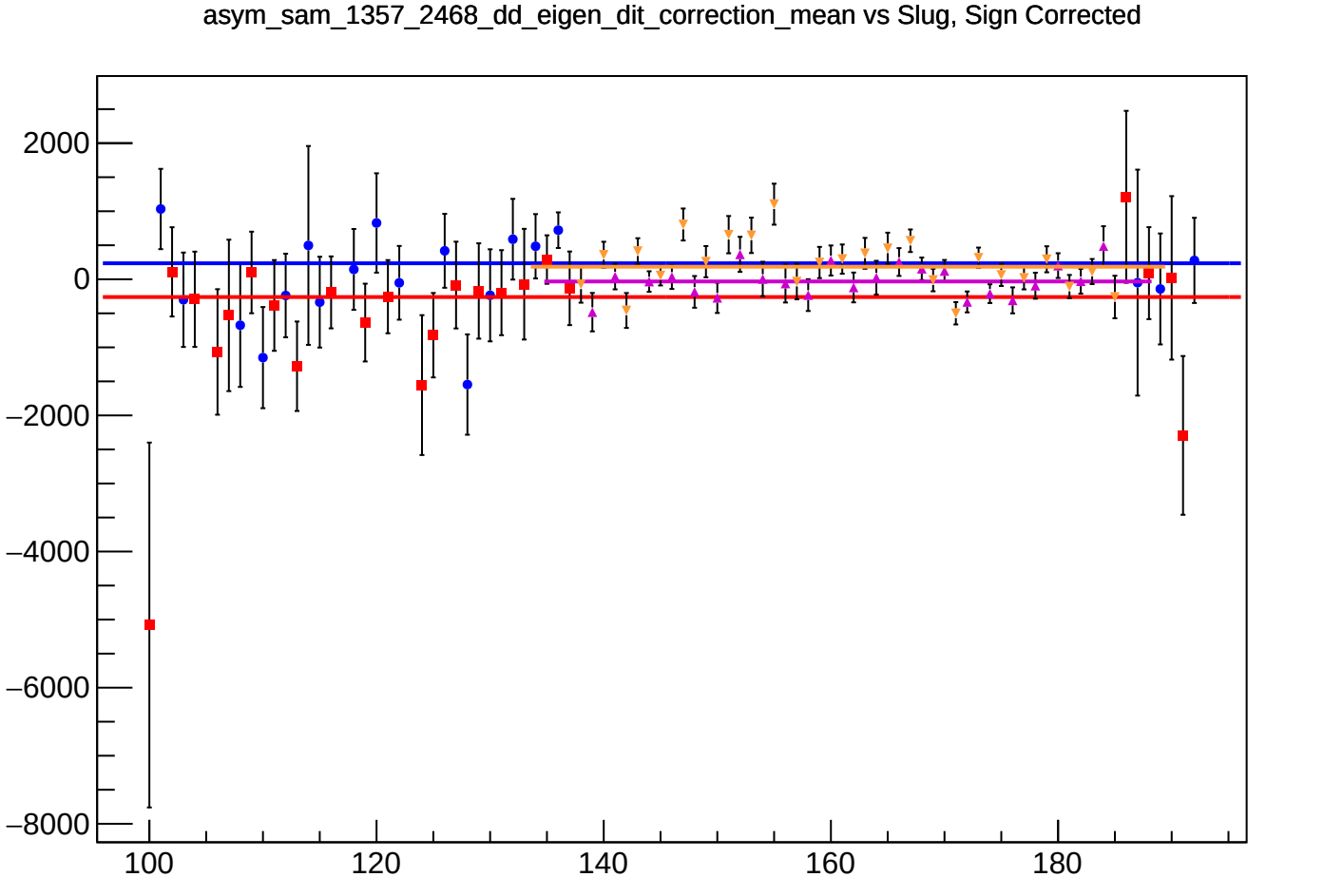
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 36.566+/-0.006 χ^2/NDF: 2225559.1/41

In: 28.999+/-0.004 χ^2/NDF:2714108.7/41

Out: 29.023+/-0.004 χ^2/NDF:3809244.9/47

All: 29.011+/-0.003 χ^2/NDF: 6523371.7/89



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: -260.620+/-139.190 χ^2/NDF: 17.4/22

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

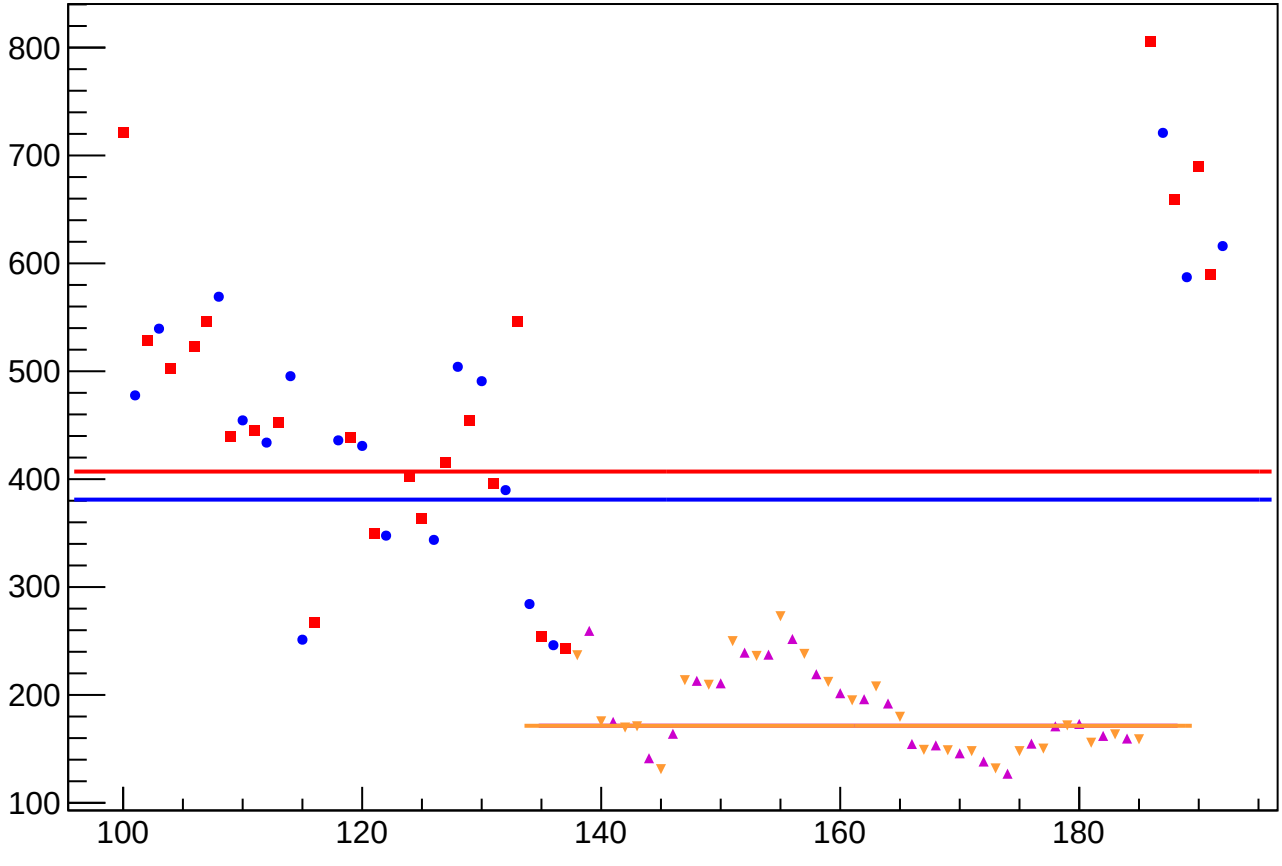
Right: -4.178+/-96.737 χ^2/NDF: 43.9/41

In: -9.202+/-39.197 χ^2/NDF:50.0/41

Out: 150.968+/-38.295 χ^2/NDF:94.5/47

All: 72.748+/-27.392 χ^2/NDF: 153.1/89

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: 407.043+/-0.098 χ^2/NDF: 1654972.0/22

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

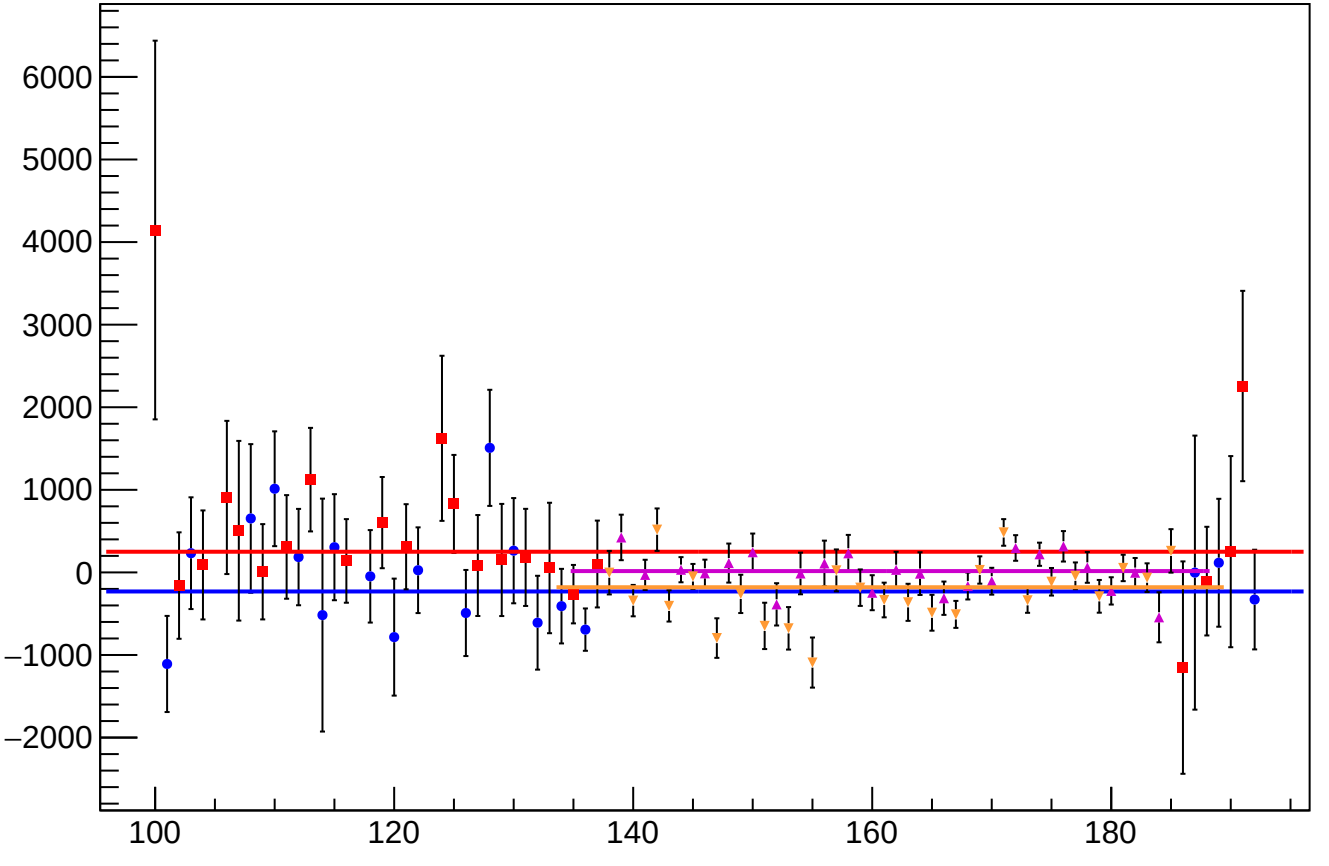
Right: 393.599+/-0.068 χ^2/NDF: 3319890.4/41

In: 189.276+/-0.028 χ^2/NDF:7484470.5/41

Out: 189.261+/-0.027 χ^2/NDF:8478992.6/47

All: 189.268+/-0.019 χ^2/NDF: 15963463.2/89

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



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: 250.310+/-134.676 χ^2/NDF: 16.2/22

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

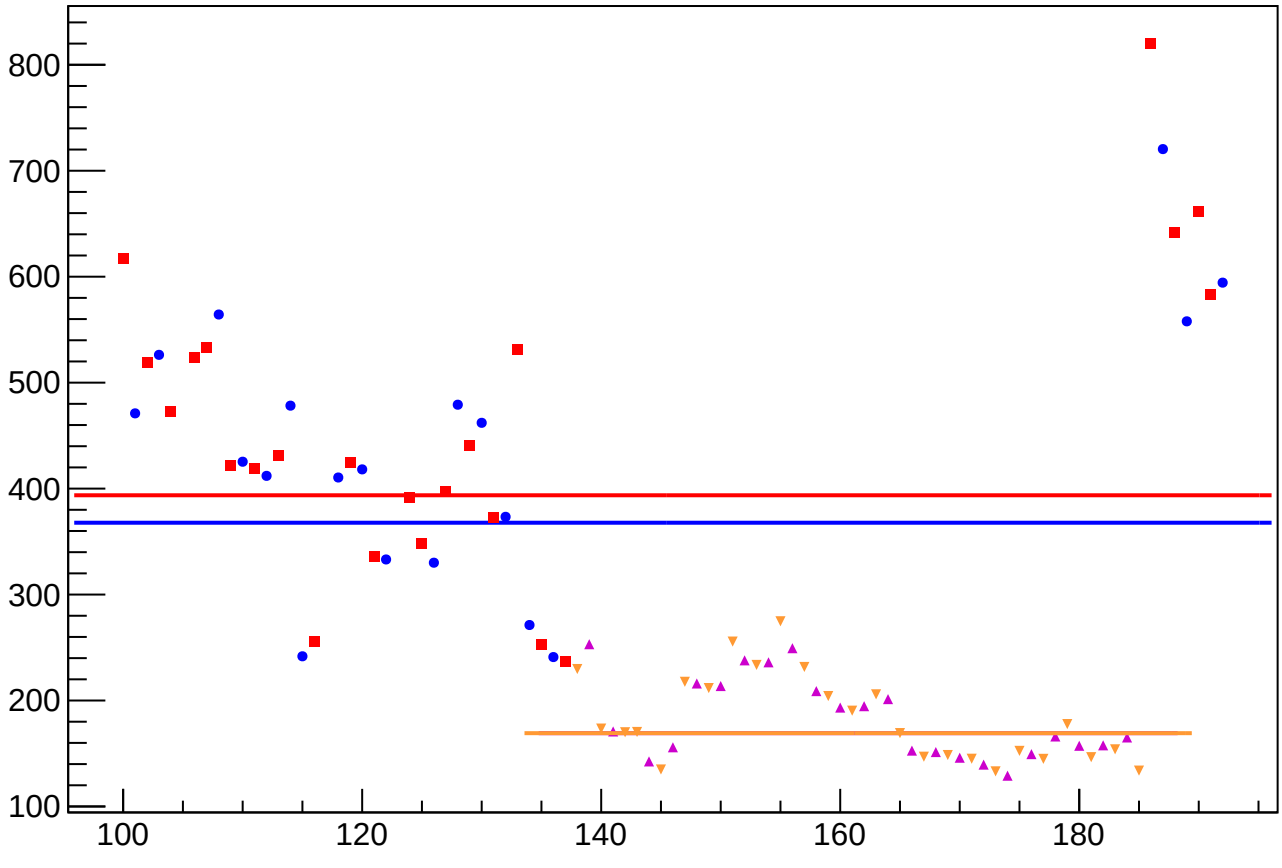
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: 0.853+/-93.455 χ^2/NDF: 43.0/41

In: -5.747+/-38.571 χ^2/NDF:50.1/41

Out: -145.815+/-37.783 χ^2/NDF:92.7/47

All: -77.227+/-26.991 χ^2/NDF: 149.5/89



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: 393.707+/-0.095 χ^2/NDF: 1636724.4/22

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

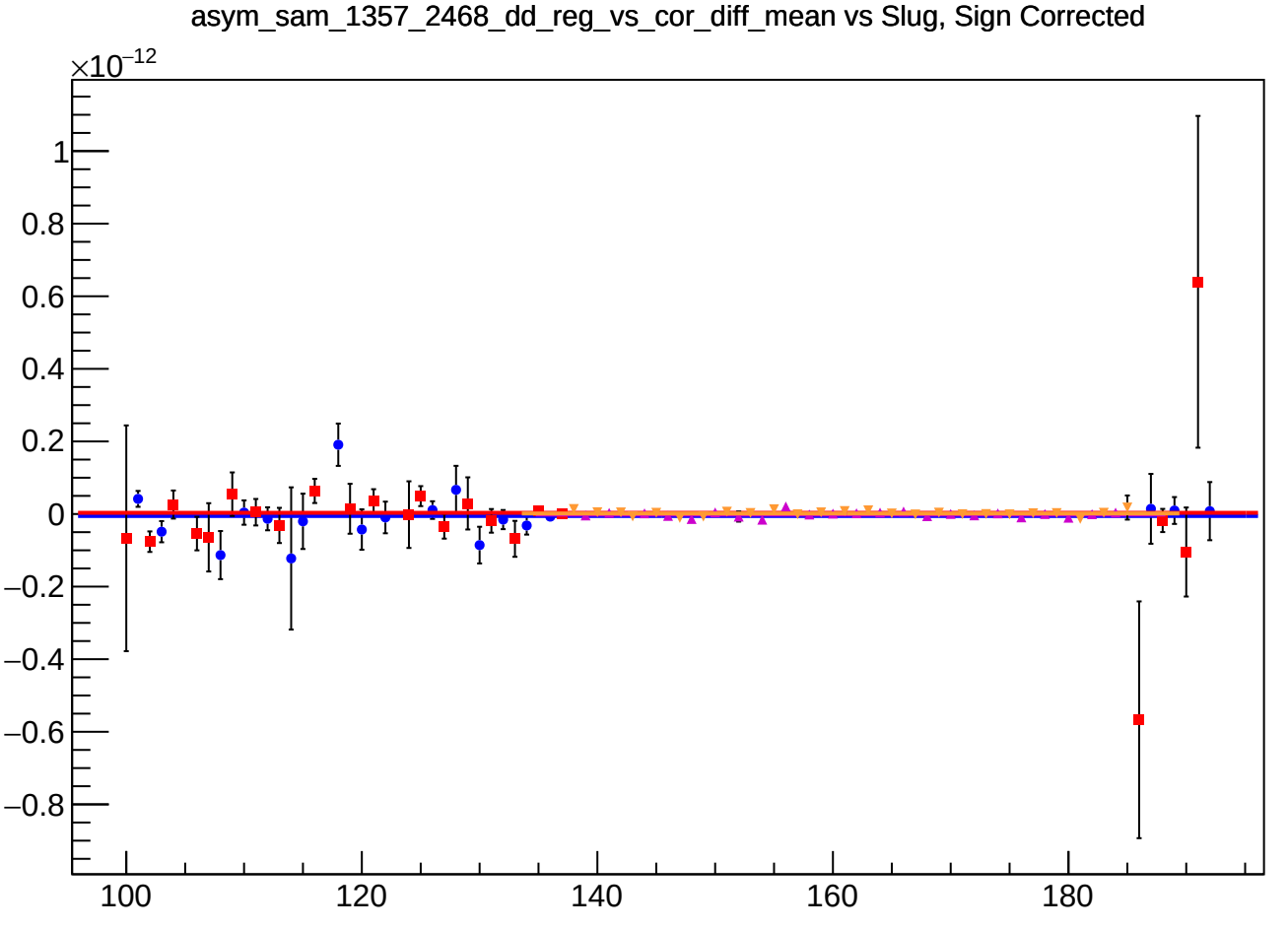
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 380.274+/-0.066 χ^2/NDF: 3266299.6/41

In: 186.728+/-0.027 χ^2/NDF:7235345.0/41

Out: 186.853+/-0.027 χ^2/NDF:8305758.7/47

All: 186.792+/-0.019 χ^2/NDF: 15541114.6/89



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: 29.2/22

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

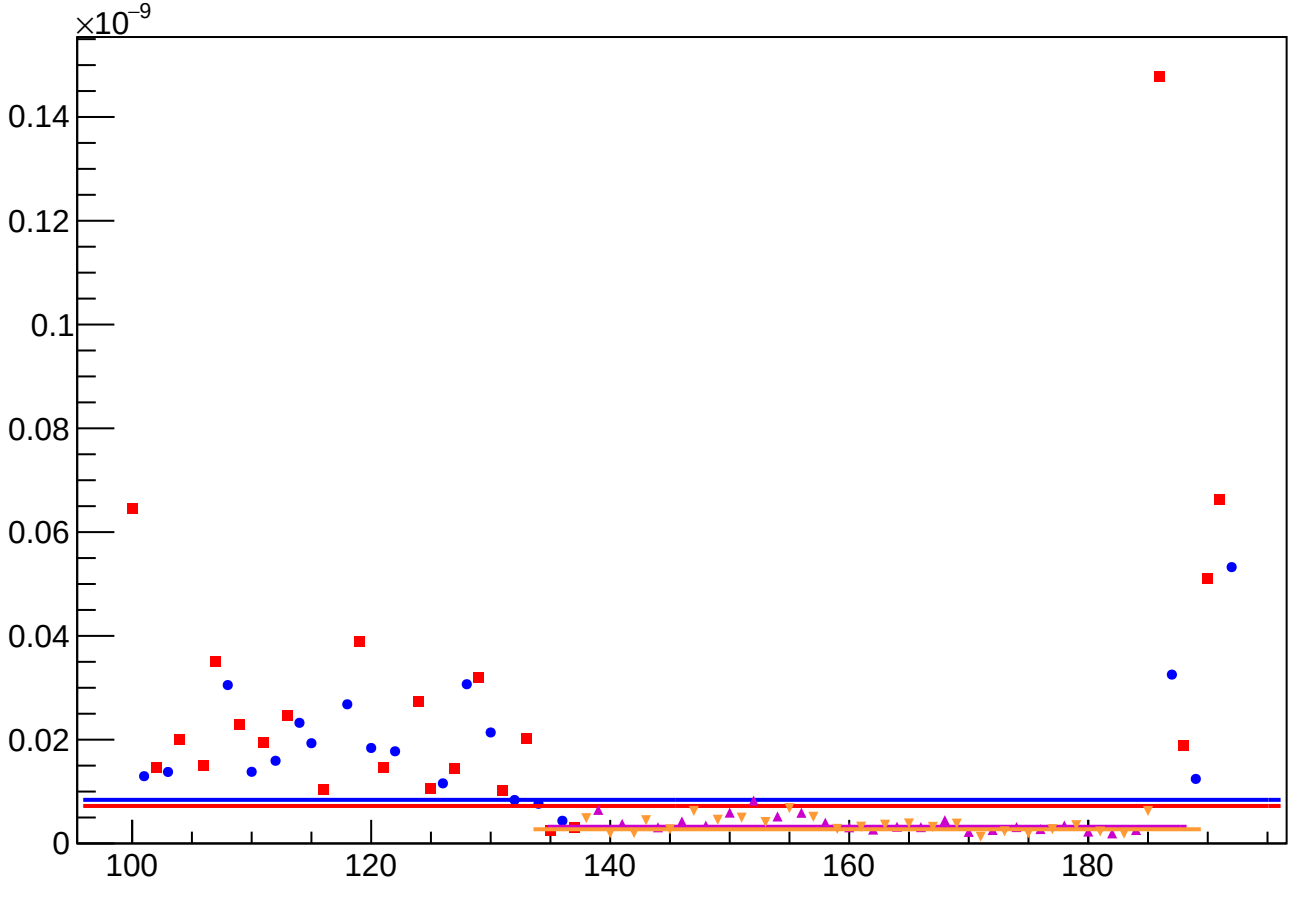
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: -0.000+/-0.000 χ^2/NDF: 58.0/41

In: -0.000+/-0.000 χ^2/NDF:47.7/41

Out: 0.000+/-0.000 χ^2/NDF:48.1/47

All: 0.000+/-0.000 χ^2/NDF: 99.3/89



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: 4323124.3/22

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

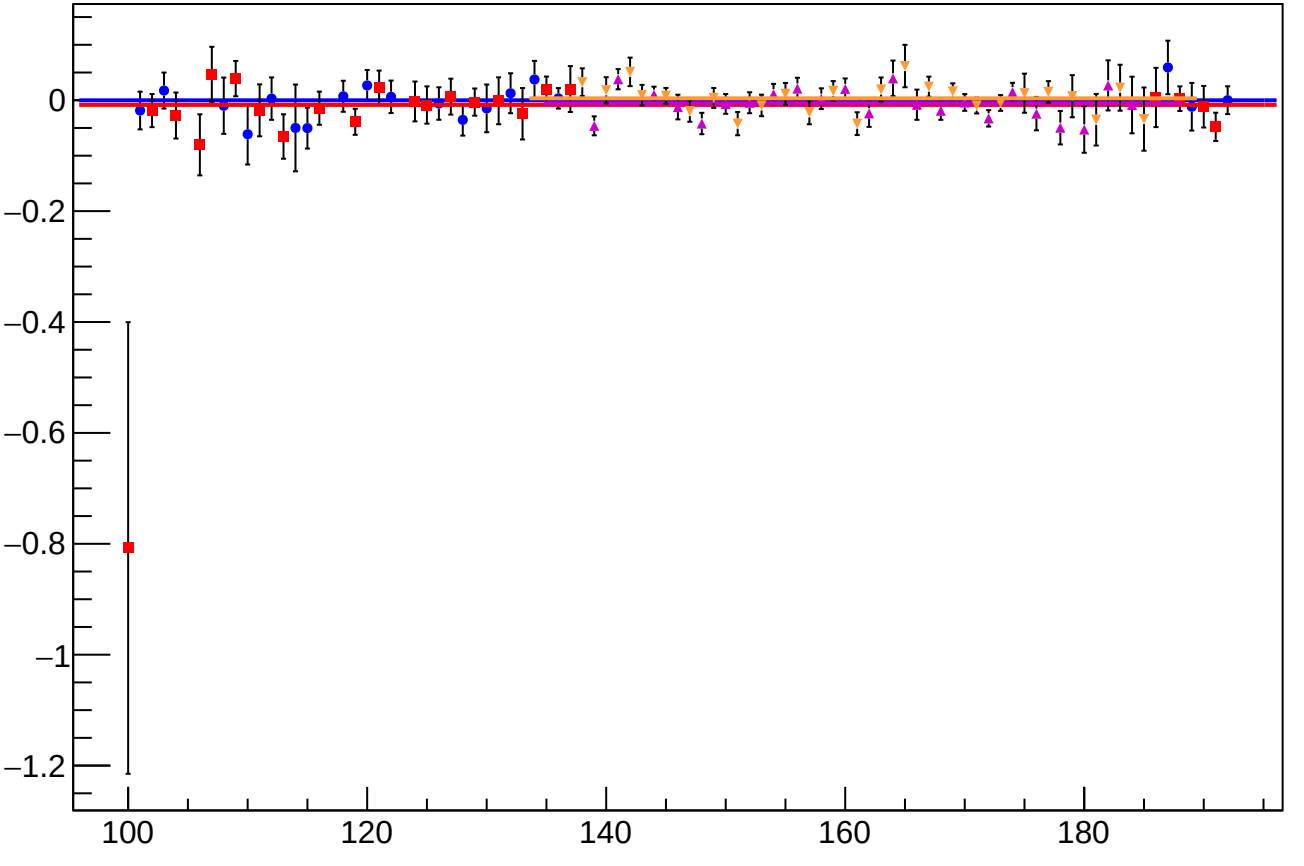
Right: 0.000+/-0.000 χ^2/NDF: 7105085.3/41

In: 0.000+/-0.000 χ^2/NDF:5714864.0/41

Out: 0.000+/-0.000 χ^2/NDF:7535654.5/47

All: 0.000+/-0.000 χ^2/NDF: 13466900.9/89

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: -0.008+/-0.007 χ^2/NDF: 19.0/22

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

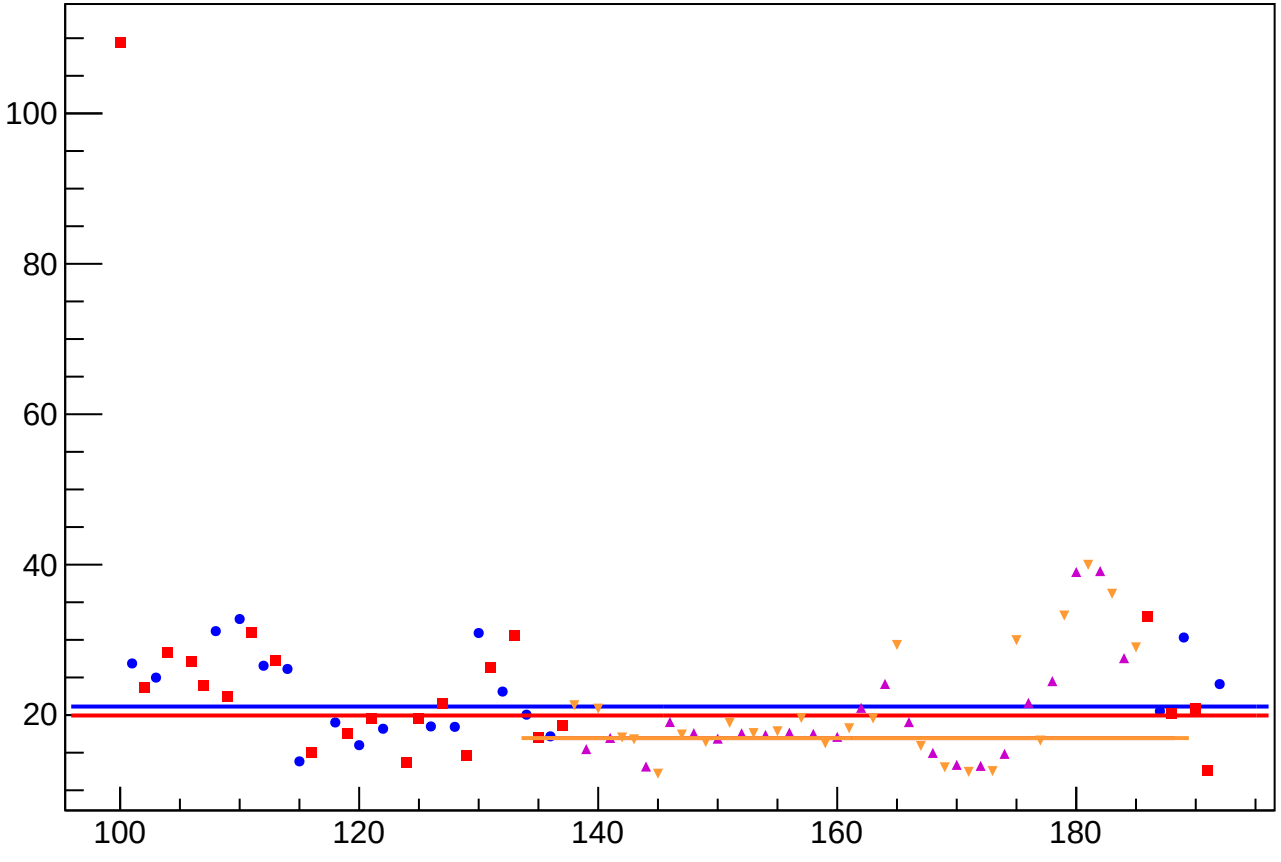
Right: -0.005+/-0.005 χ^2/NDF: 29.6/41

In: -0.004+/-0.004 χ^2/NDF:43.5/41

Out: 0.000+/-0.004 χ^2/NDF:48.2/47

All: -0.002+/-0.003 χ^2/NDF: 92.5/89

asym_sam_1357_2468_dd_dit_vs_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: 19.944+/-0.005 χ^2/NDF: 1158013.5/22

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

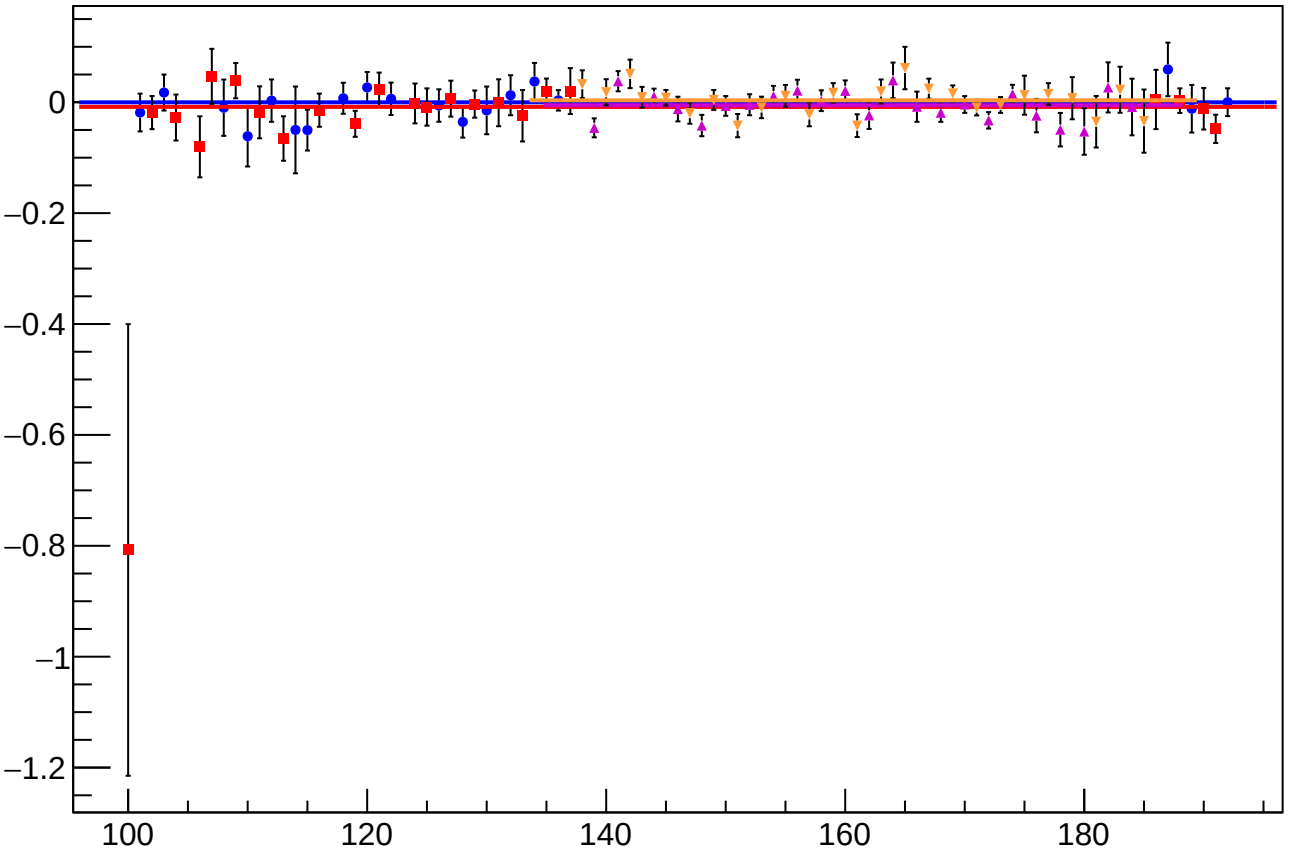
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 20.497+/-0.004 χ^2/NDF: 2022810.4/41

In: 17.948+/-0.003 χ^2/NDF:3259120.3/41

Out: 17.712+/-0.002 χ^2/NDF:4272689.1/47

All: 17.826+/-0.002 χ^2/NDF: 7536113.0/89



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: -0.008+/-0.007 χ^2/NDF: 19.0/22

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

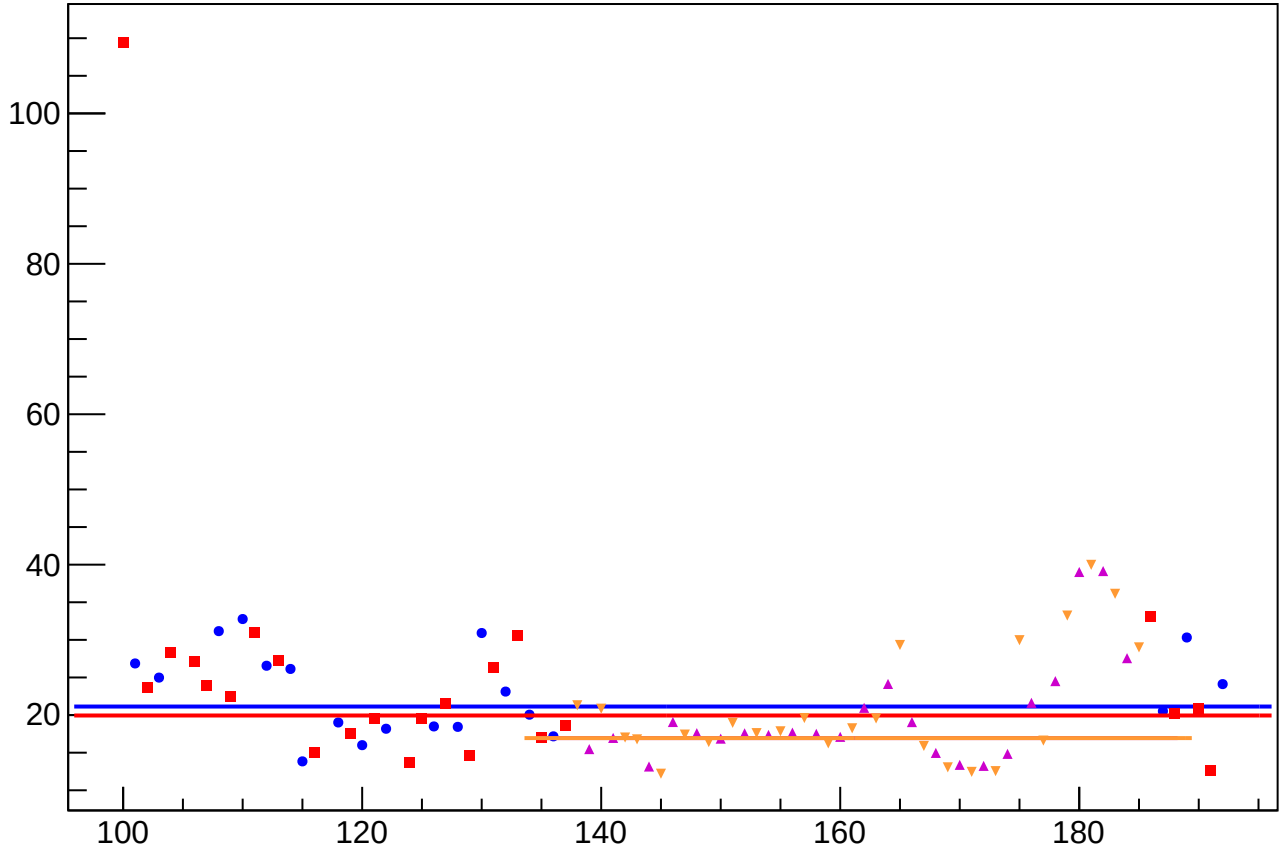
Right: -0.005+/-0.005 χ^2/NDF: 29.6/41

In: -0.004+/-0.004 χ^2/NDF:43.5/41

Out: 0.000+/-0.004 χ^2/NDF:48.2/47

All: -0.002+/-0.003 χ^2/NDF: 92.5/89

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: 19.944+/-0.005 χ^2/NDF: 1158013.5/22

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

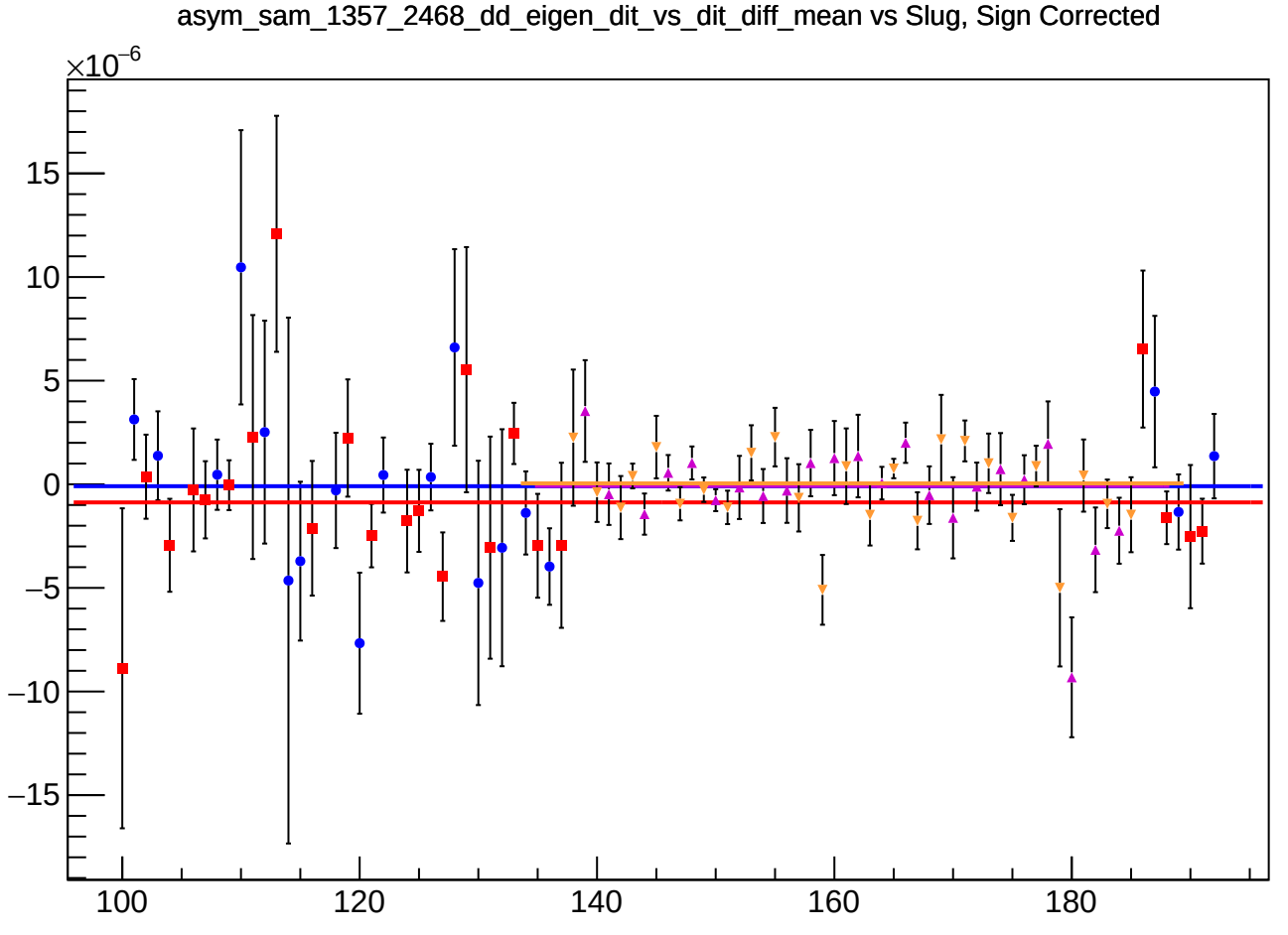
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 20.497+/-0.004 χ^2/NDF: 2022810.4/41

In: 17.948+/-0.003 χ^2/NDF:3259120.3/41

Out: 17.712+/-0.002 χ^2/NDF:4272689.1/47

All: 17.826+/-0.002 χ^2/NDF: 7536113.0/89



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: 26.3/22

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

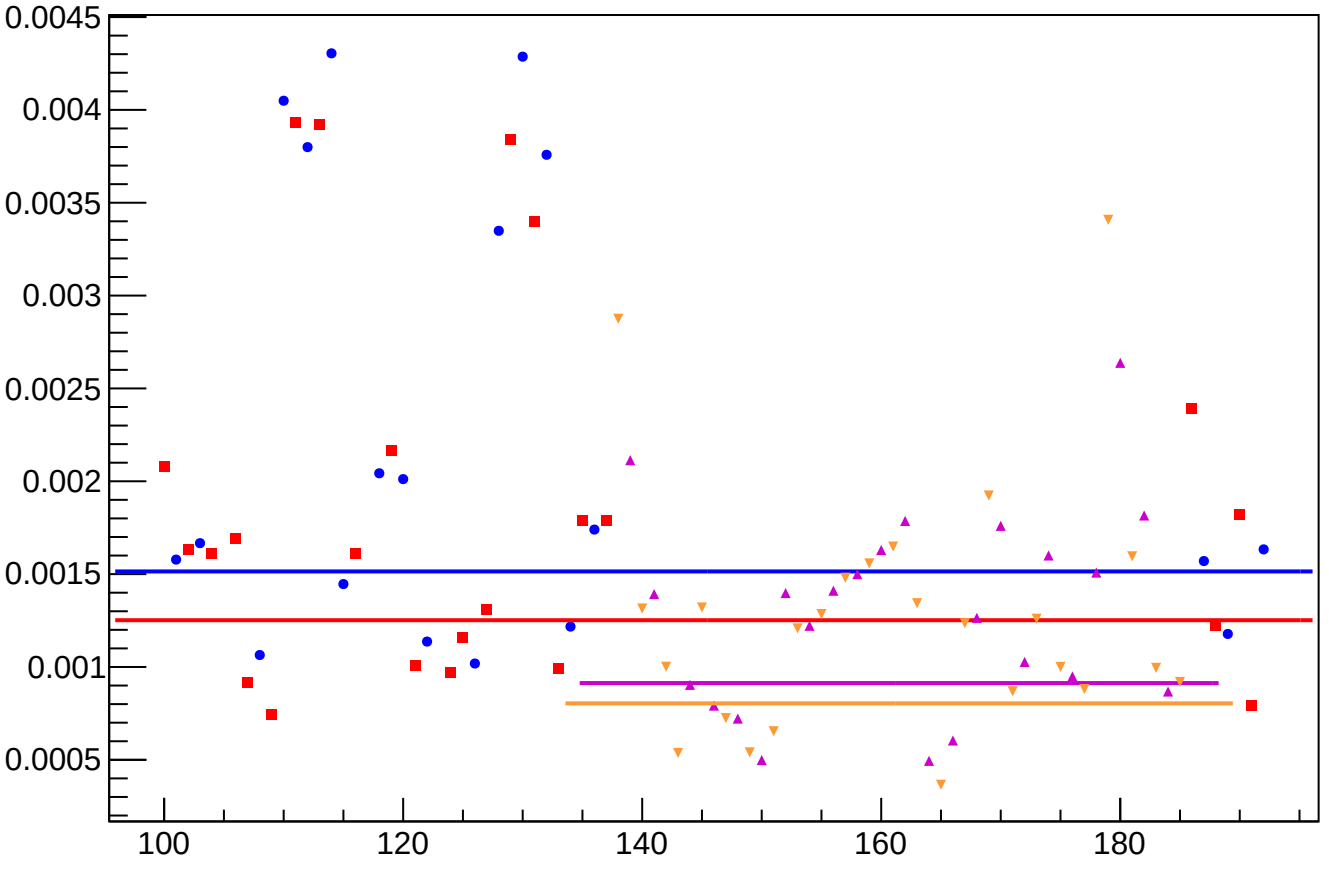
Right: -0.000+/-0.000 χ^2/NDF: 49.9/41

In: -0.000+/-0.000 χ^2/NDF:53.4/41

Out: -0.000+/-0.000 χ^2/NDF:66.8/47

All: -0.000+/-0.000 χ^2/NDF: 120.3/89

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: 3080061.8/22

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

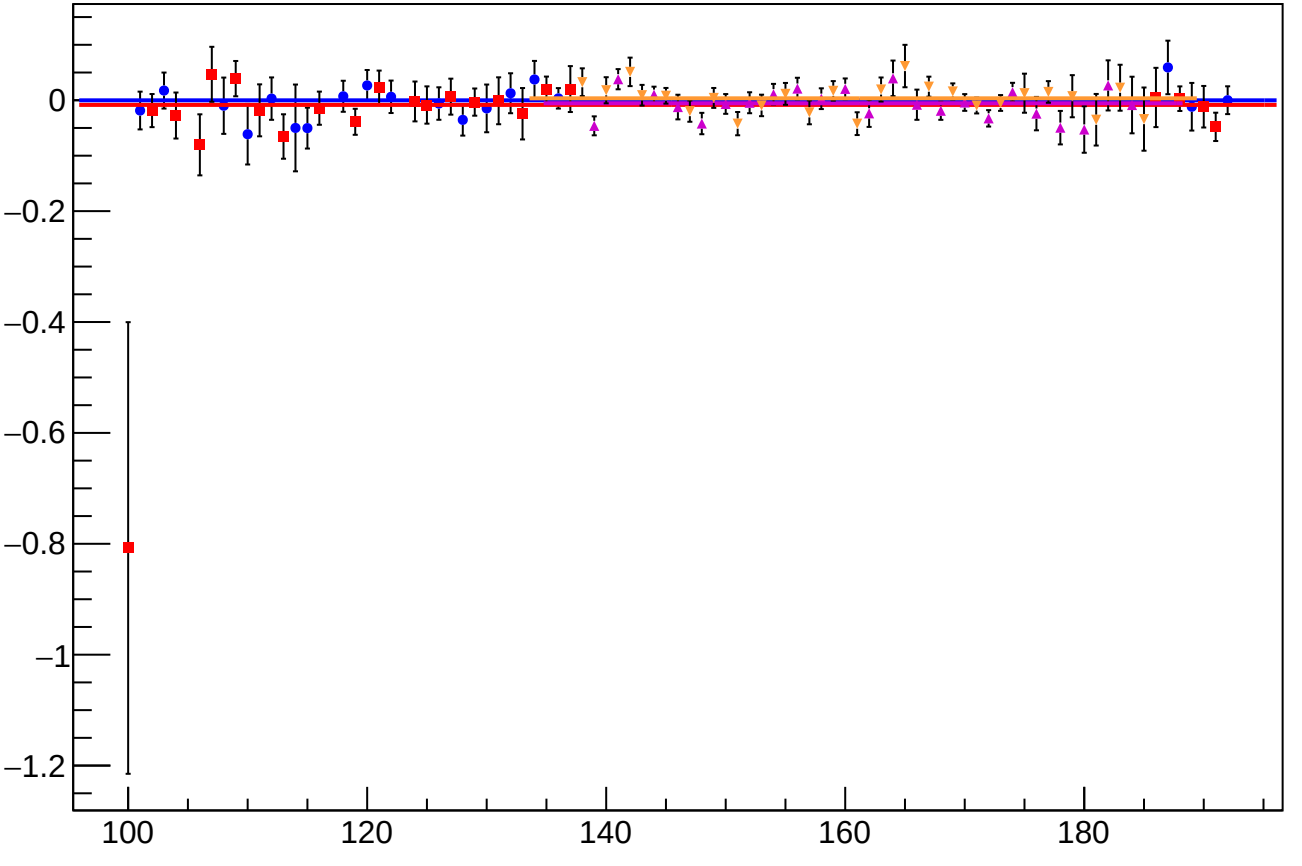
Right: 0.001+/-0.000 χ^2/NDF: 5838662.8/41

In: 0.001+/-0.000 χ^2/NDF:10851342.1/41

Out: 0.001+/-0.000 χ^2/NDF:12938995.1/47

All: 0.001+/-0.000 χ^2/NDF: 24158283.8/89

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: -0.008+/-0.007 χ^2/NDF: 19.0/22

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

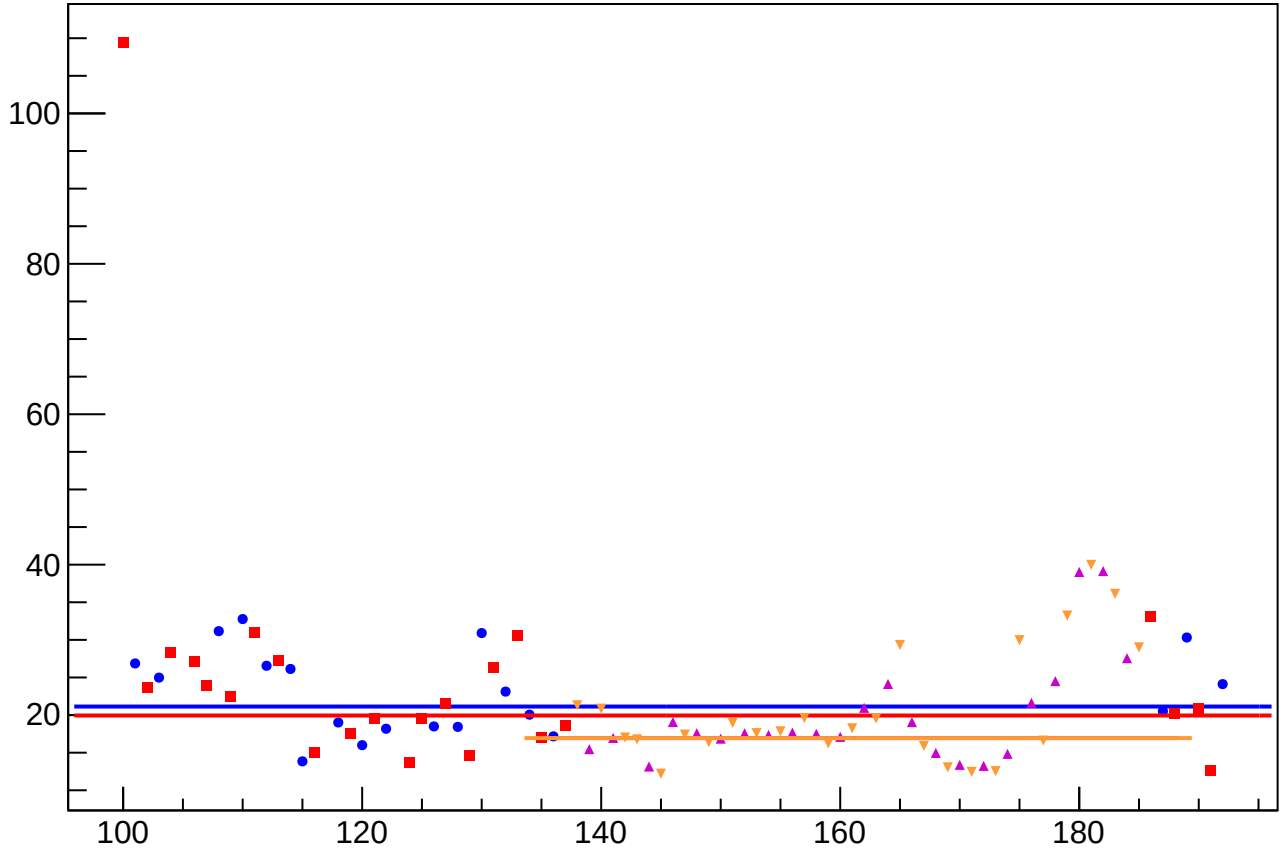
Right: -0.005+/-0.005 χ^2/NDF: 29.6/41

In: -0.004+/-0.004 χ^2/NDF:43.5/41

Out: 0.000+/-0.004 χ^2/NDF:48.2/47

All: -0.002+/-0.003 χ^2/NDF: 92.5/89

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: 19.943+/-0.005 χ^2/NDF: 1157997.5/22

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

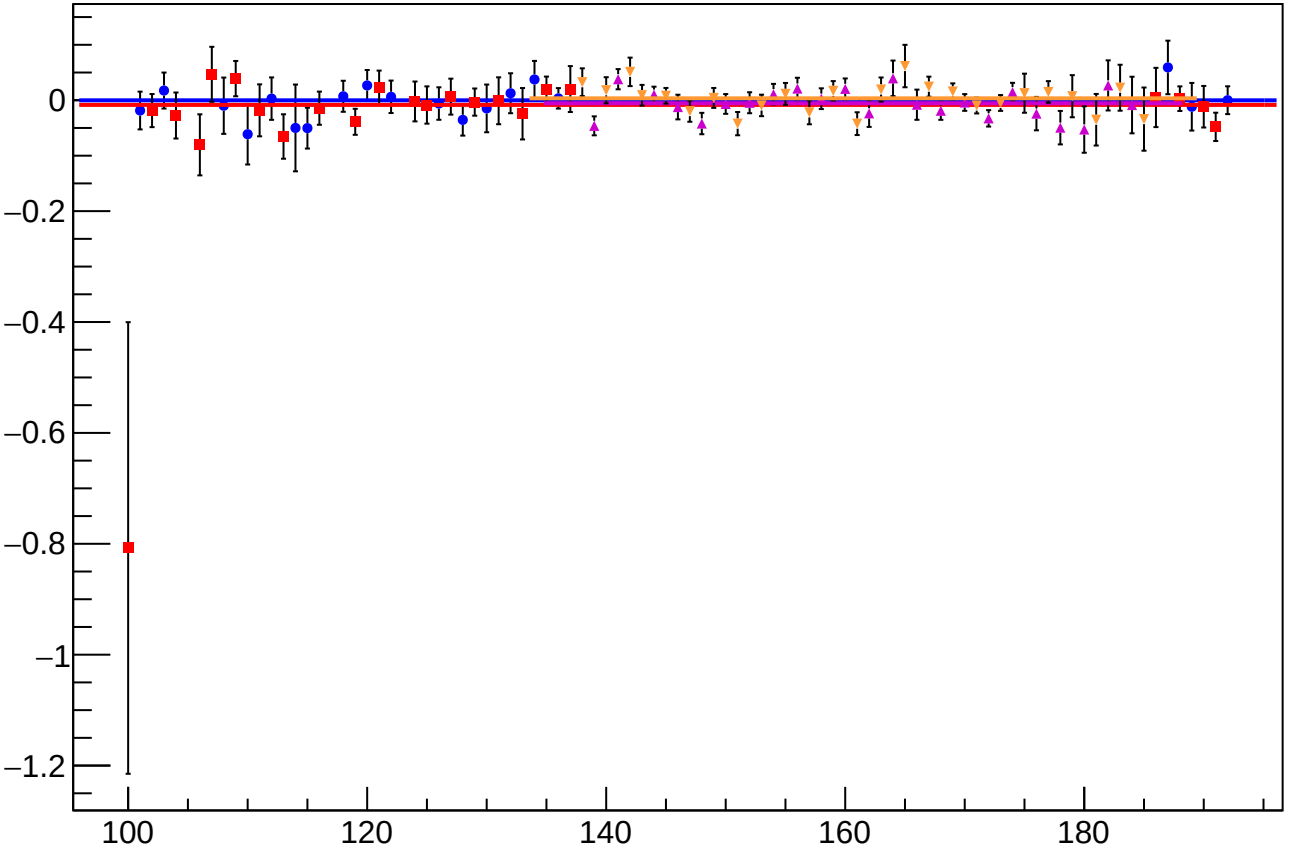
Right: 20.497+/-0.004 χ^2/NDF: 2022691.7/41

In: 17.948+/-0.003 χ^2/NDF:3258879.2/41

Out: 17.712+/-0.002 χ^2/NDF:4272549.5/47

All: 17.826+/-0.002 χ^2/NDF: 7535730.7/89

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: -0.008+/-0.007 χ^2/NDF: 19.0/22

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

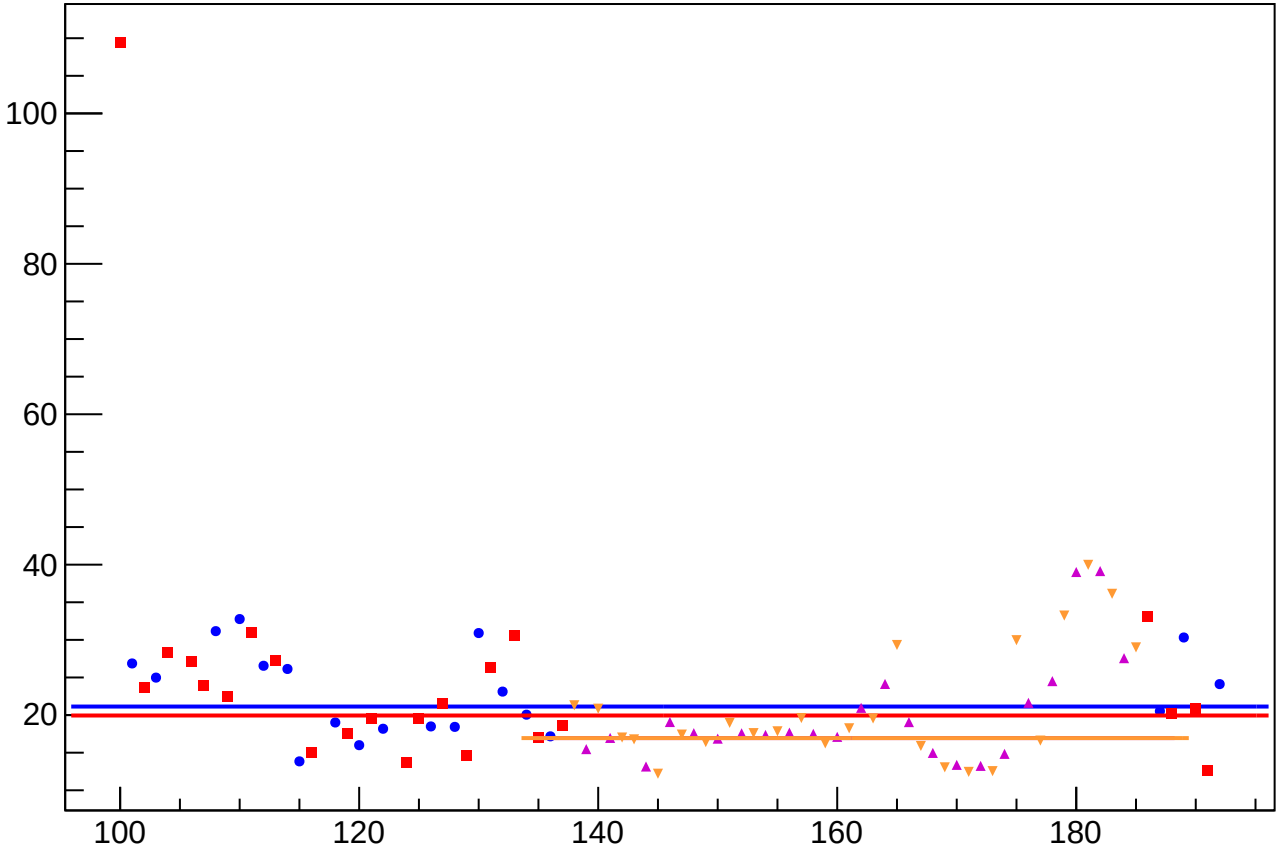
Right: -0.005+/-0.005 χ^2/NDF: 29.6/41

In: -0.004+/-0.004 χ^2/NDF:43.5/41

Out: 0.000+/-0.004 χ^2/NDF:48.2/47

All: -0.002+/-0.003 χ^2/NDF: 92.5/89

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: 19.943+/-0.005 χ^2/NDF: 1157997.5/22

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

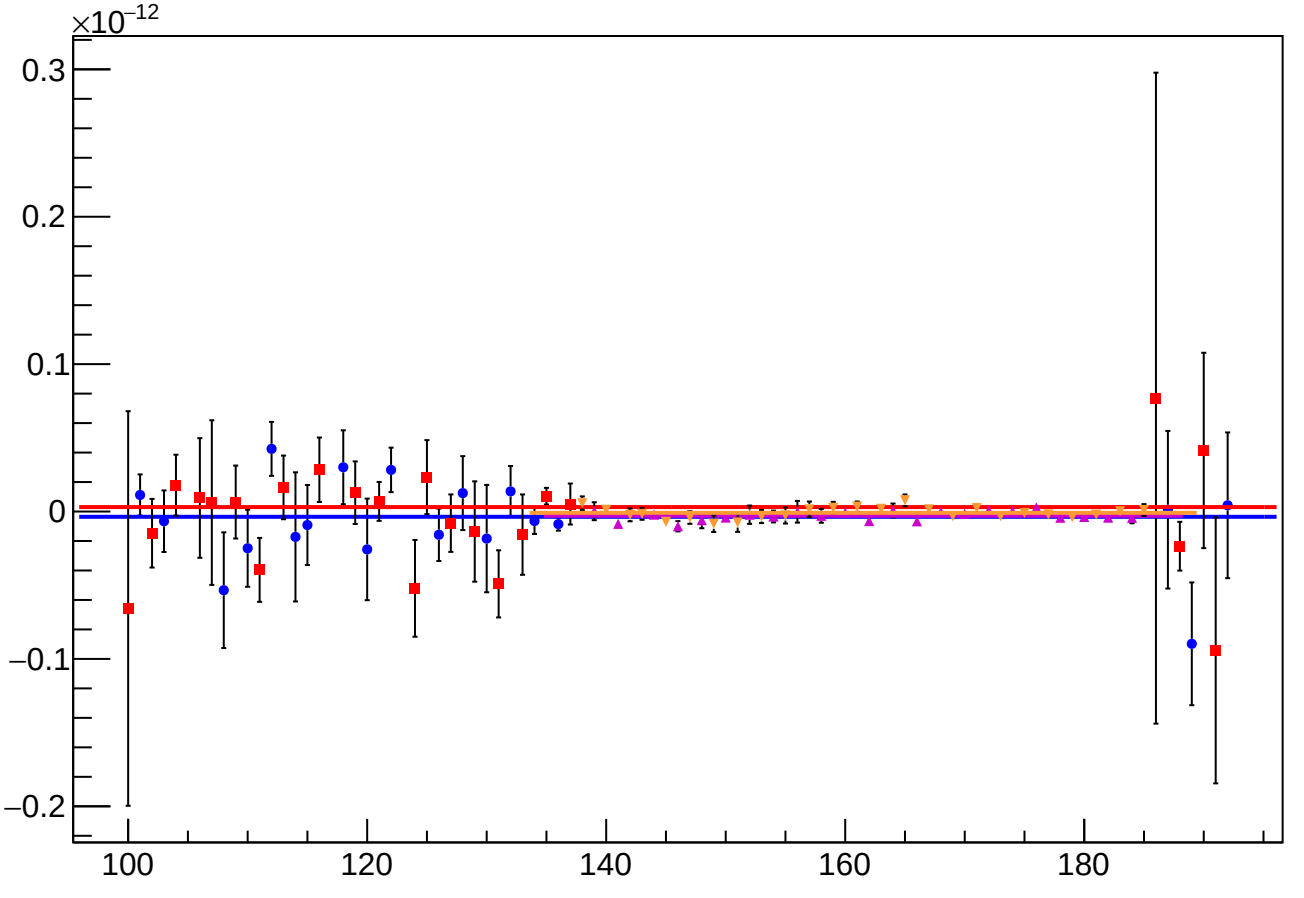
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 20.497+/-0.004 χ^2/NDF: 2022691.7/41

In: 17.948+/-0.003 χ^2/NDF:3258879.2/41

Out: 17.712+/-0.002 χ^2/NDF:4272549.5/47

All: 17.826+/-0.002 χ^2/NDF: 7535730.7/89



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: 22.9/22

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

Left: -0.000+/-0.000 χ^2/NDF: 51.6/47

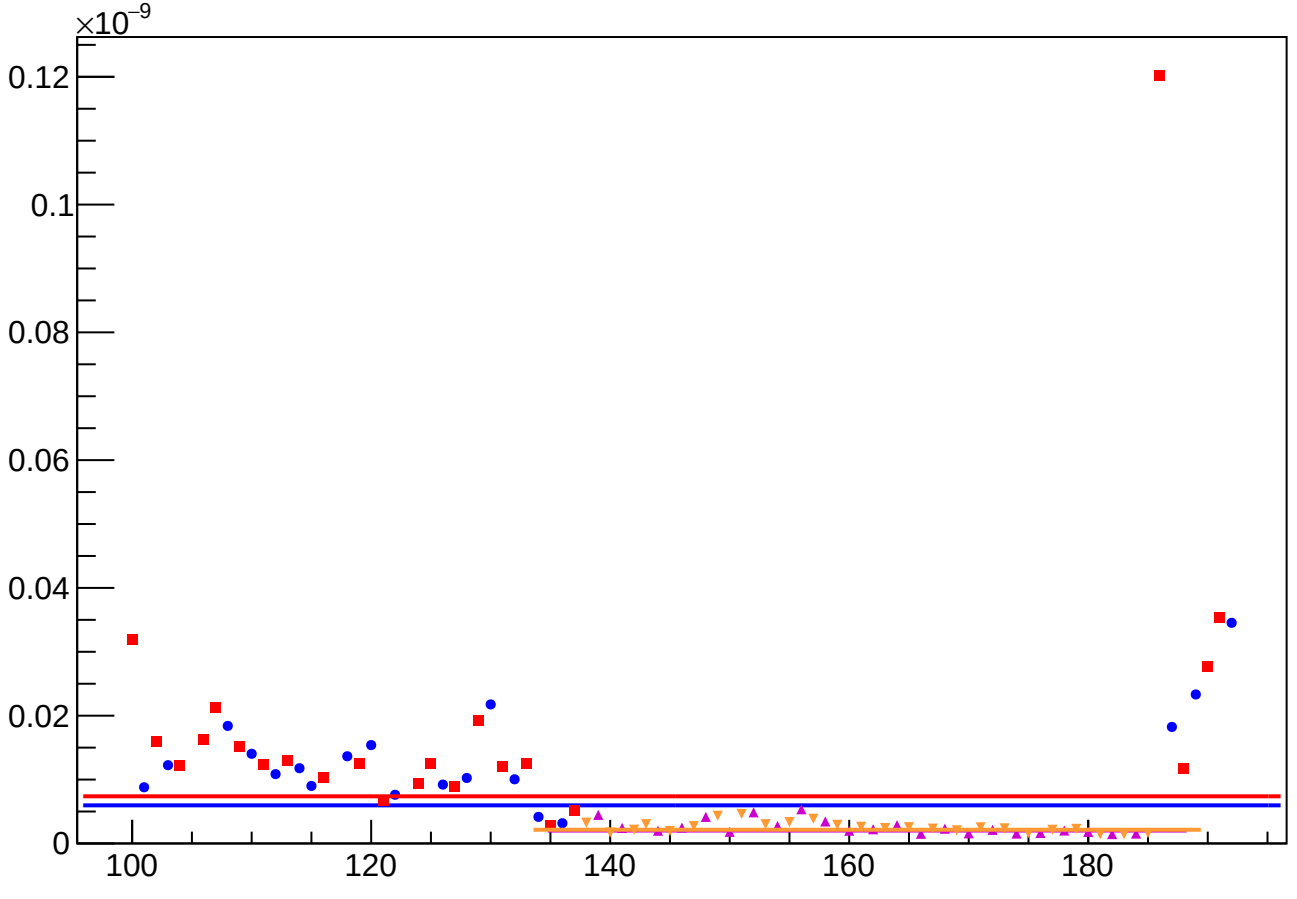
Right: -0.000+/-0.000 χ^2/NDF: 49.0/41

In: -0.000+/-0.000 χ^2/NDF:47.5/41

Out: -0.000+/-0.000 χ^2/NDF:47.6/47

All: -0.000+/-0.000 χ^2/NDF: 100.8/89

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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: 4173189.2/22

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

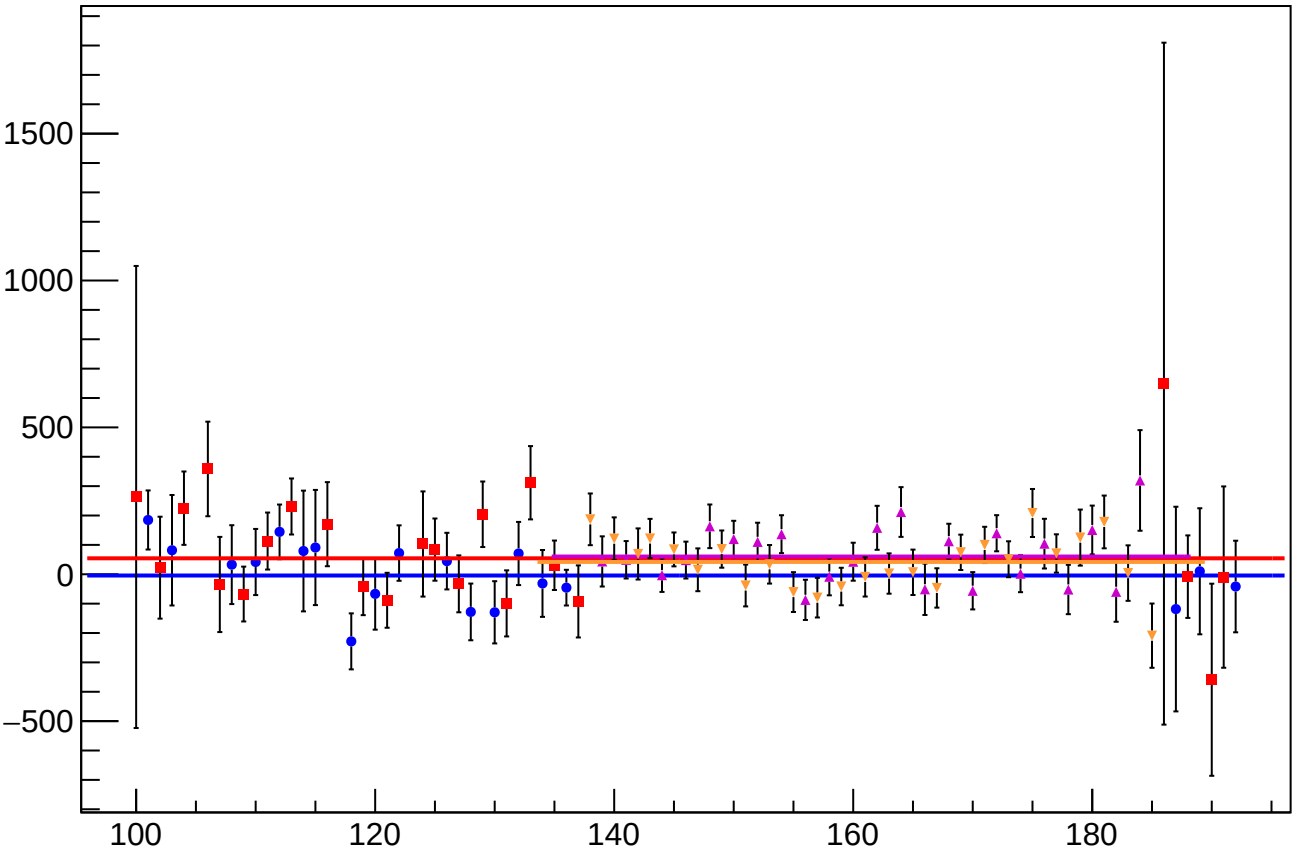
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 8177913.2/41

In: 0.000+/-0.000 χ^2/NDF:9081561.5/41

Out: 0.000+/-0.000 χ^2/NDF:10139382.1/47

All: 0.000+/-0.000 χ^2/NDF: 19260914.2/89



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: 54.296+/-25.751 χ^2/NDF: 27.8/22

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

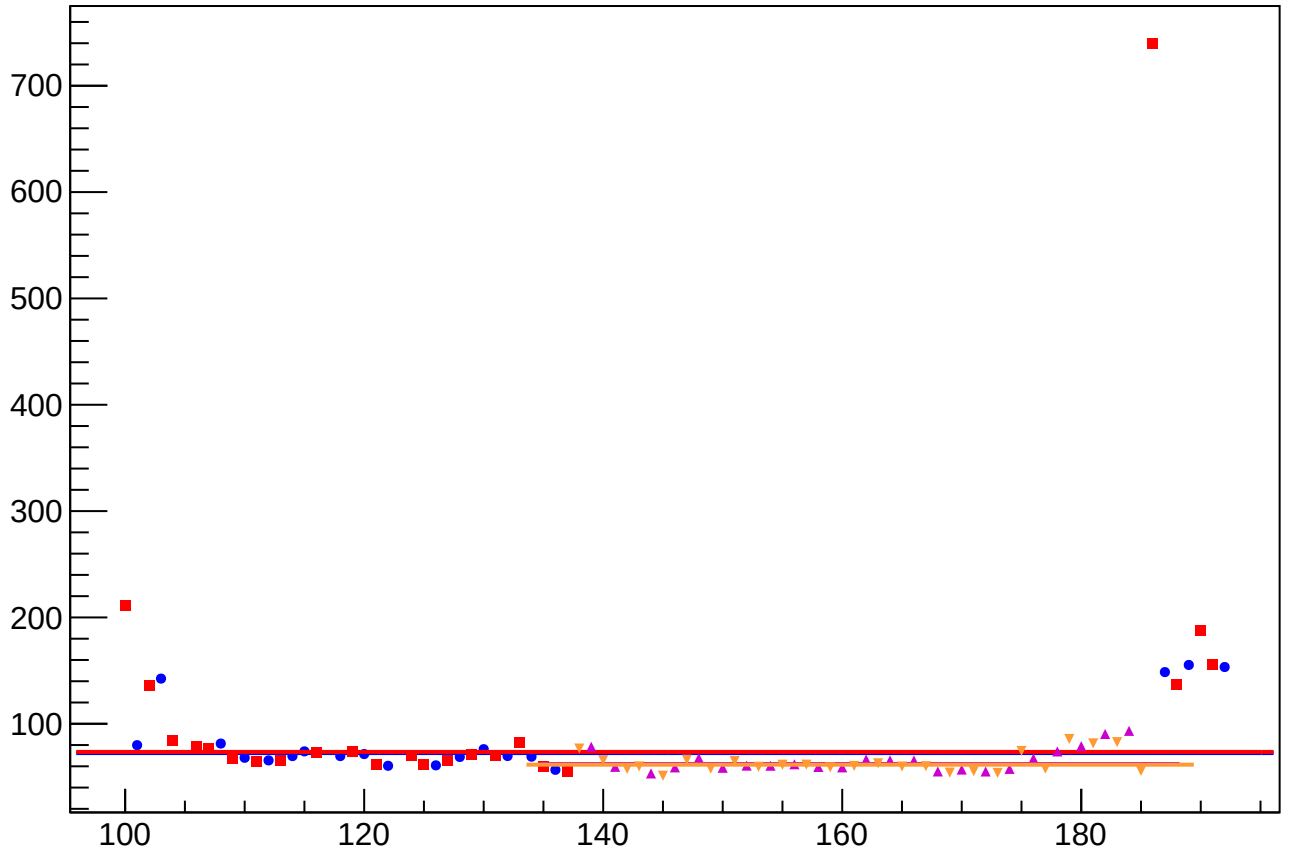
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 24.841+/-18.154 χ^2/NDF: 48.3/41

In: 44.322+/-12.756 χ^2/NDF:54.9/41

Out: 44.870+/-12.422 χ^2/NDF:60.1/47

All: 44.604+/-8.900 χ^2/NDF: 114.9/89



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: 73.539+/-0.018 χ^2/NDF: 2013749.0/22

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

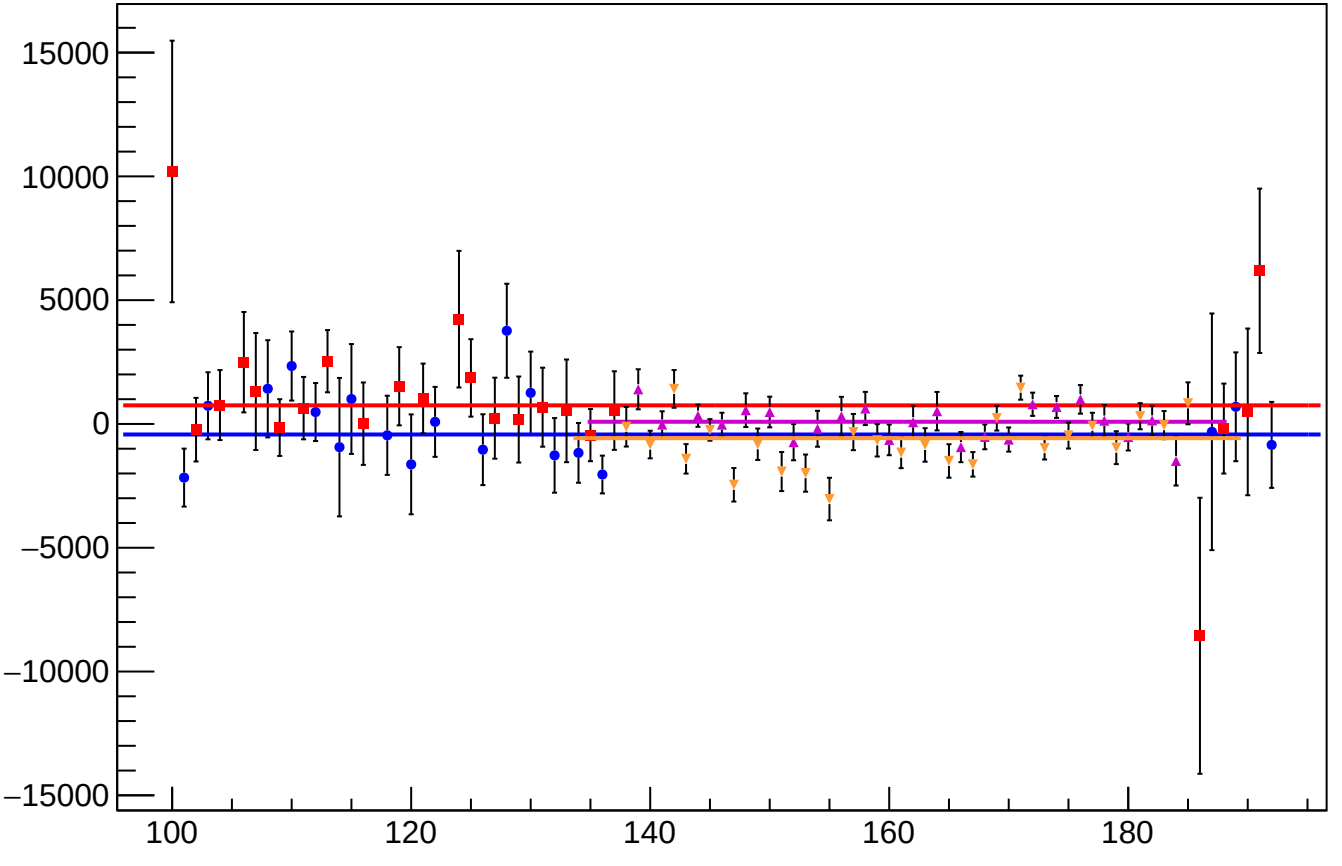
Right: 72.993+/-0.013 χ^2/NDF: 3465536.8/41

In: 64.705+/-0.009 χ^2/NDF:2290633.1/41

Out: 64.335+/-0.009 χ^2/NDF:2984563.4/47

All: 64.515+/-0.006 χ^2/NDF: 5276059.5/89

asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected



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: 751.191+/-342.257 χ^2/NDF: 17.1/22

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

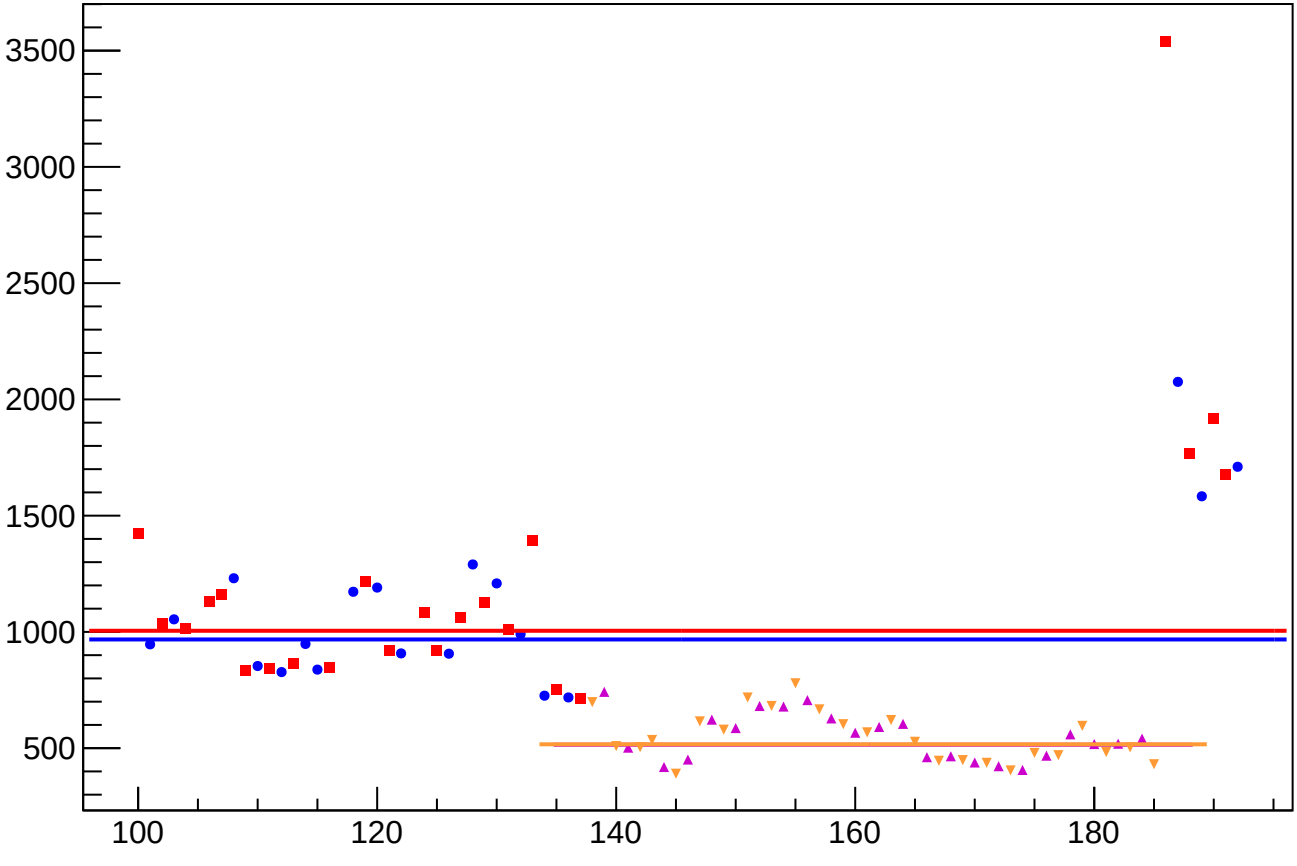
Right: 153.903+/-240.181 χ^2/NDF: 43.9/41

In: 28.396+/-115.129 χ^2/NDF:47.5/41

Out: -430.224+/-113.020 χ^2/NDF:99.2/47

All: -205.154+/-80.652 χ^2/NDF: 154.8/89

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: 1004.892+/-0.242 χ^2/NDF: 1462594.1/22

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

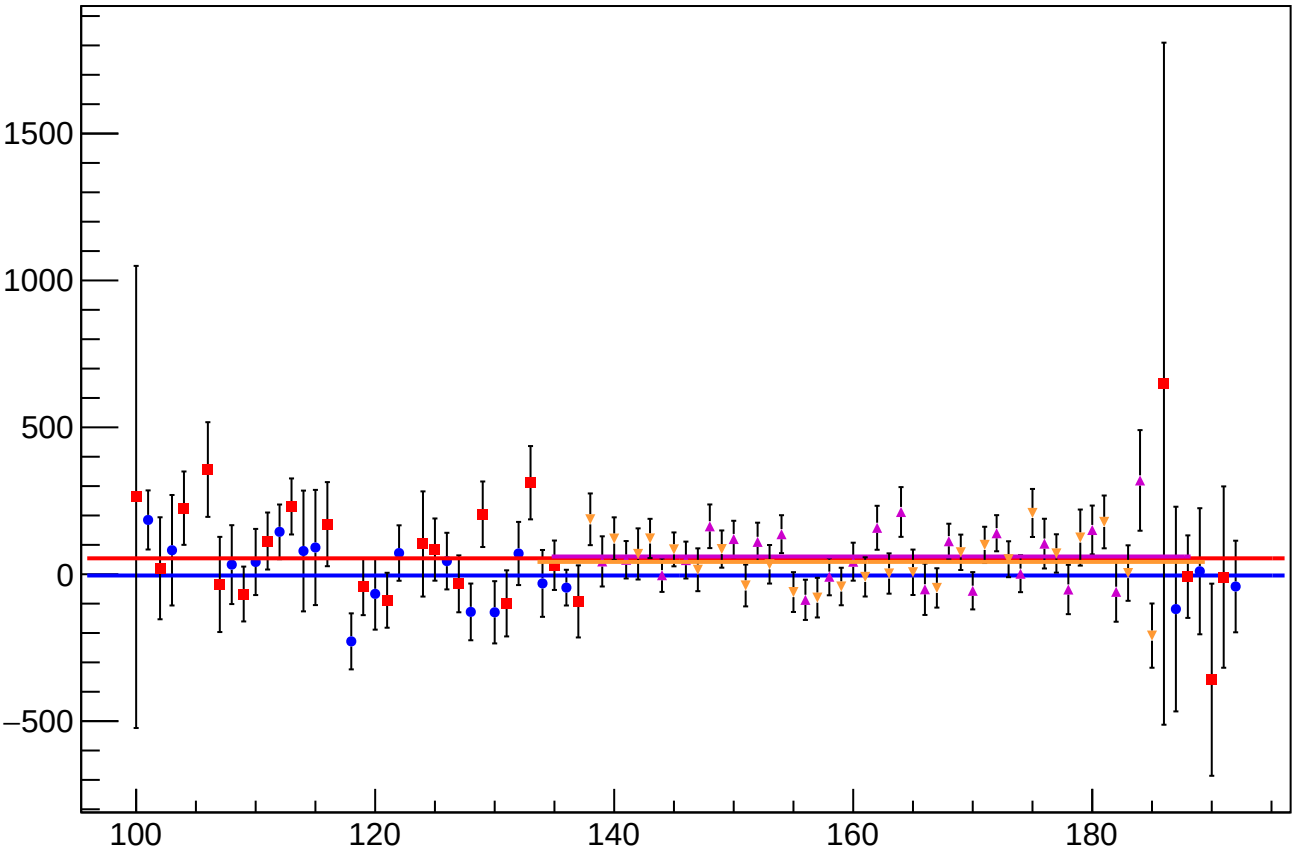
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 985.947+/-0.170 χ^2/NDF: 2657454.1/41

In: 567.583+/-0.081 χ^2/NDF:5490011.0/41

Out: 569.877+/-0.080 χ^2/NDF:6354179.1/47

All: 568.751+/-0.057 χ^2/NDF: 11844594.4/89



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: 54.178+/-25.752 χ^2/NDF: 27.8/22

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

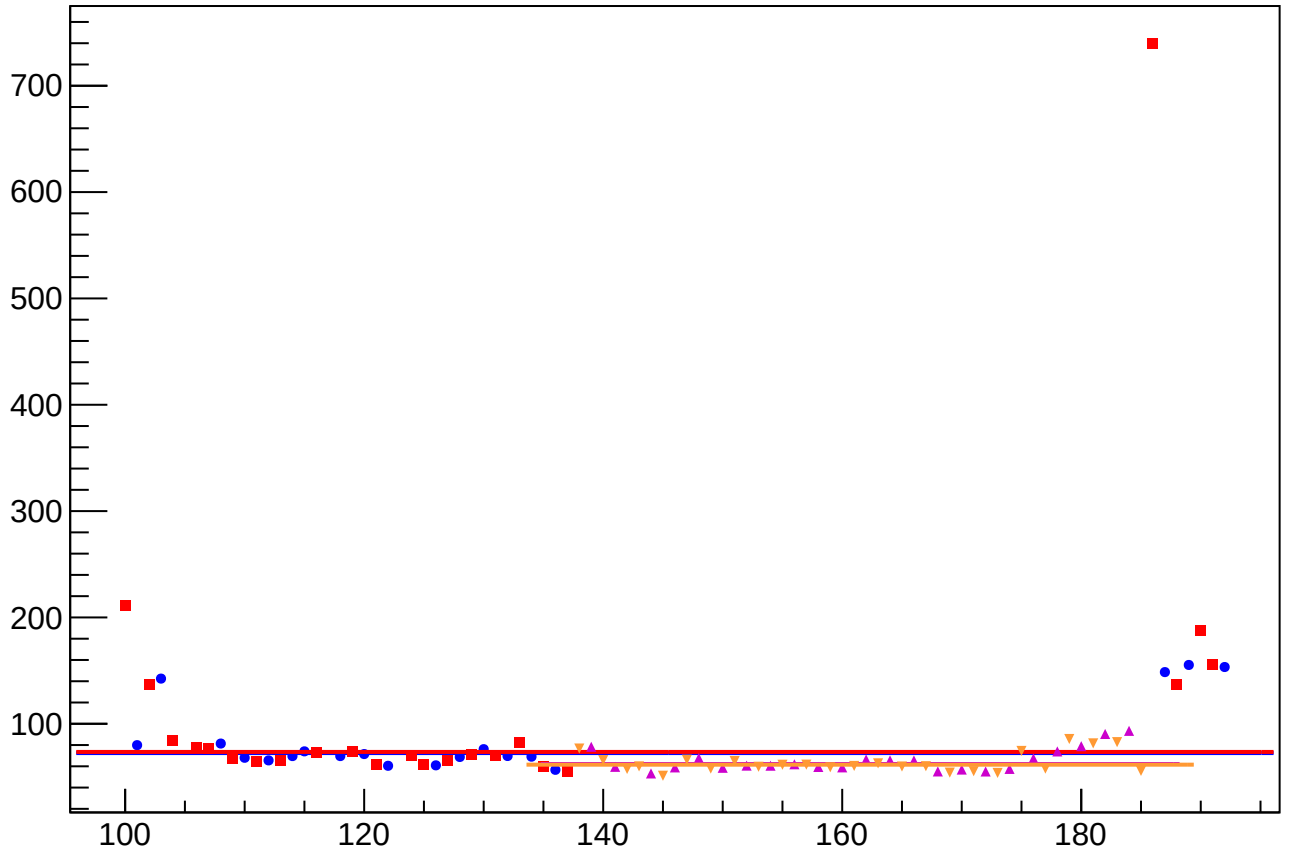
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 24.778+/-18.154 χ^2/NDF: 48.2/41

In: 44.321+/-12.756 χ^2/NDF:54.9/41

Out: 44.847+/-12.422 χ^2/NDF:60.0/47

All: 44.591+/-8.900 χ^2/NDF: 114.9/89



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: 73.521+/-0.018 χ^2/NDF: 2013564.3/22

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

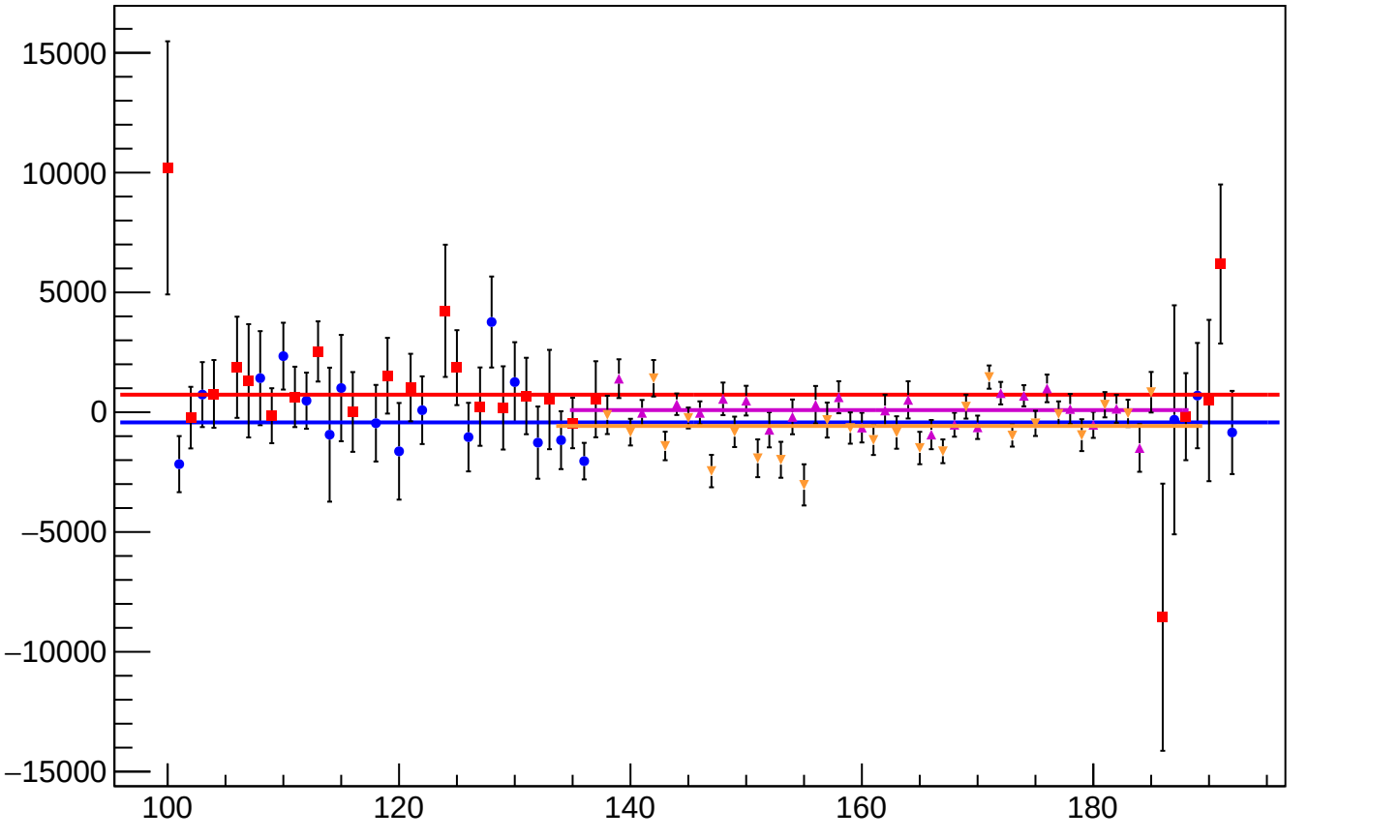
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 72.984+/-0.013 χ^2/NDF: 3465296.2/41

In: 64.705+/-0.009 χ^2/NDF:2290636.1/41

Out: 64.331+/-0.009 χ^2/NDF:2983358.1/47

All: 64.513+/-0.006 χ^2/NDF: 5274877.7/89



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: 731.468+/-342.654 χ^2/NDF: 16.6/22

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

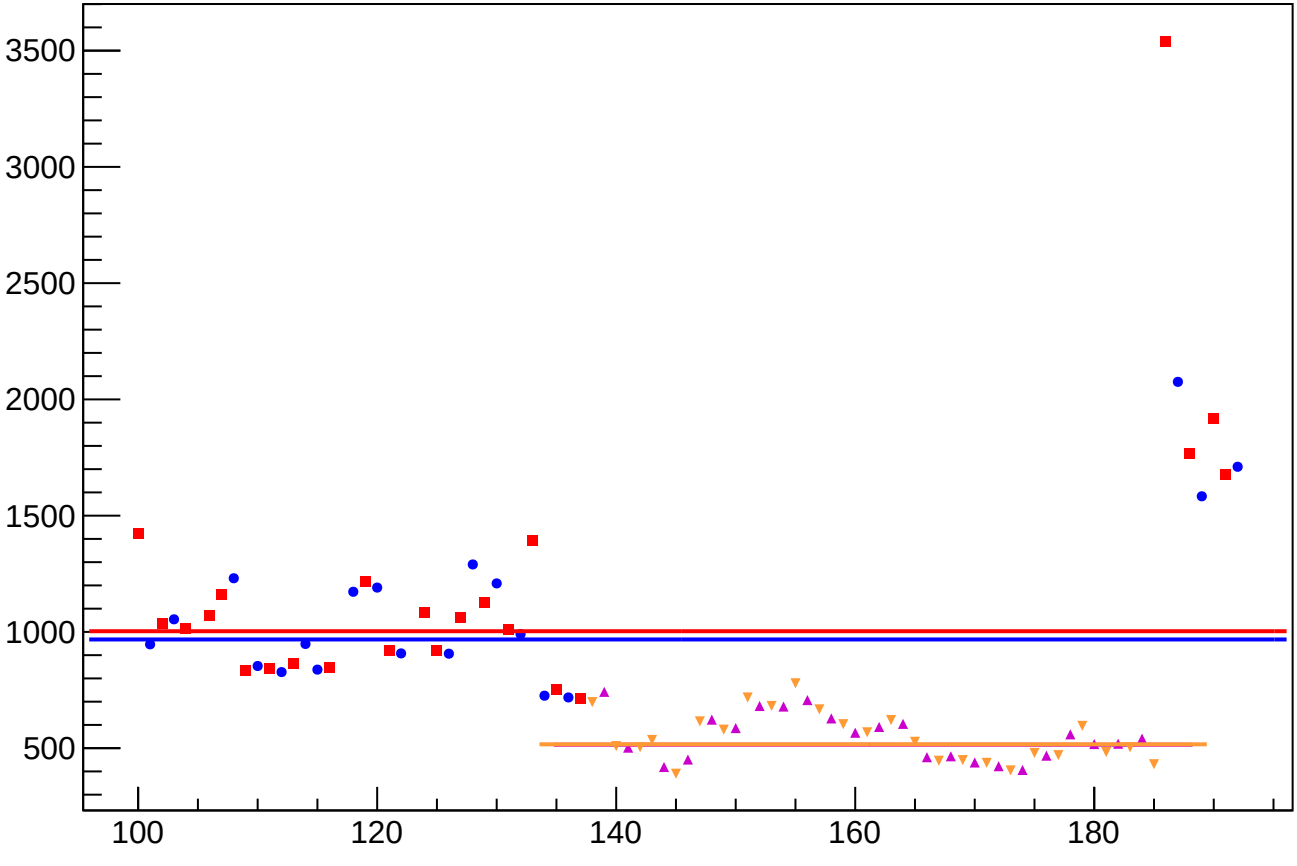
Right: 143.537+/-240.318 χ^2/NDF: 43.3/41

In: 28.399+/-115.129 χ^2/NDF:47.5/41

Out: -432.663+/-113.034 χ^2/NDF:98.3/47

All: -206.365+/-80.657 χ^2/NDF: 154.0/89

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: 1003.010+/-0.242 χ^2/NDF: 1456586.1/22

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

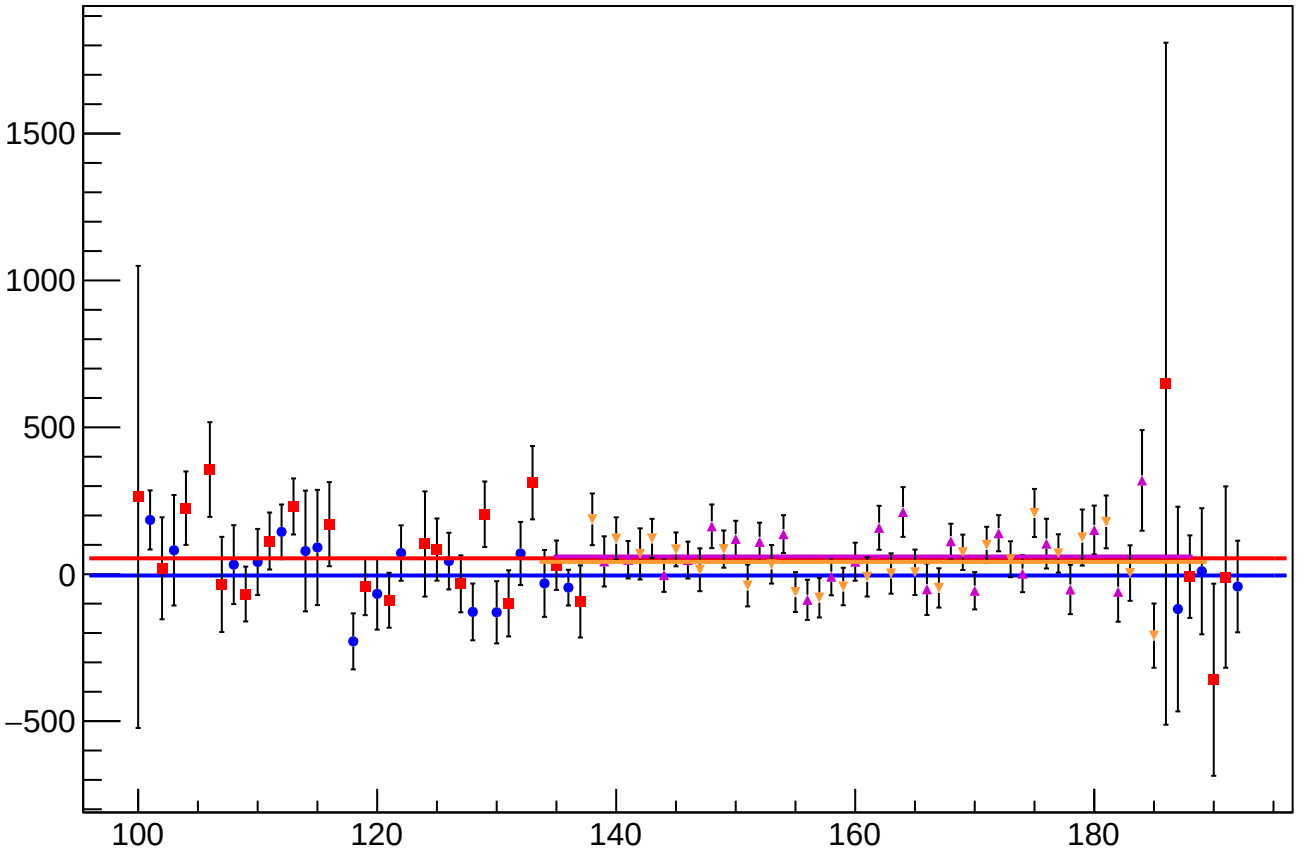
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 985.002+/-0.170 χ^2/NDF: 2650260.8/41

In: 567.583+/-0.081 χ^2/NDF:5490053.7/41

Out: 569.562+/-0.080 χ^2/NDF:6312846.4/47

All: 568.591+/-0.057 χ^2/NDF: 11803200.9/89



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: 54.178+/-25.752 χ^2/NDF: 27.8/22

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

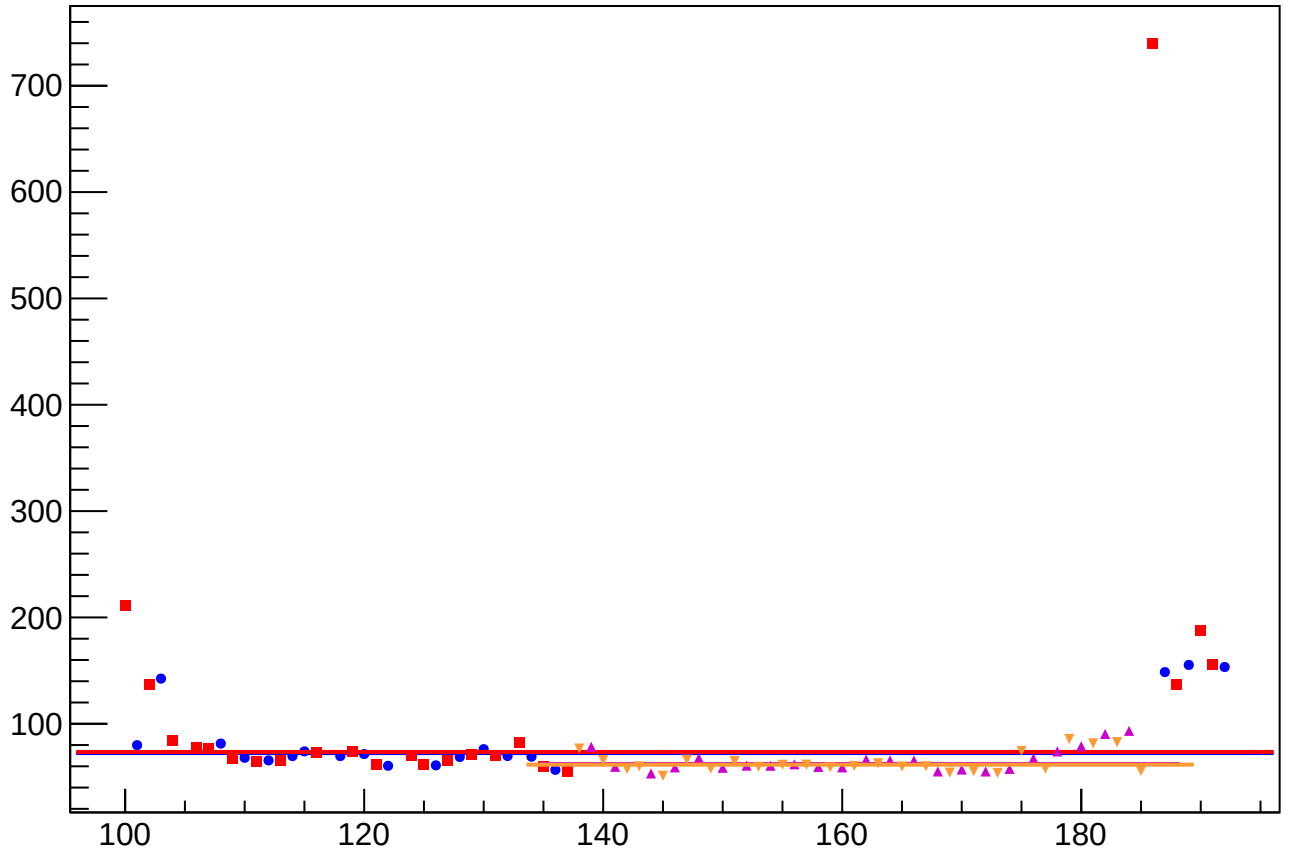
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 24.778+/-18.154 χ^2/NDF: 48.2/41

In: 44.321+/-12.756 χ^2/NDF:54.9/41

Out: 44.847+/-12.422 χ^2/NDF:60.0/47

All: 44.591+/-8.900 χ^2/NDF: 114.9/89



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: 73.521+/-0.018 χ^2/NDF: 2013564.3/22

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

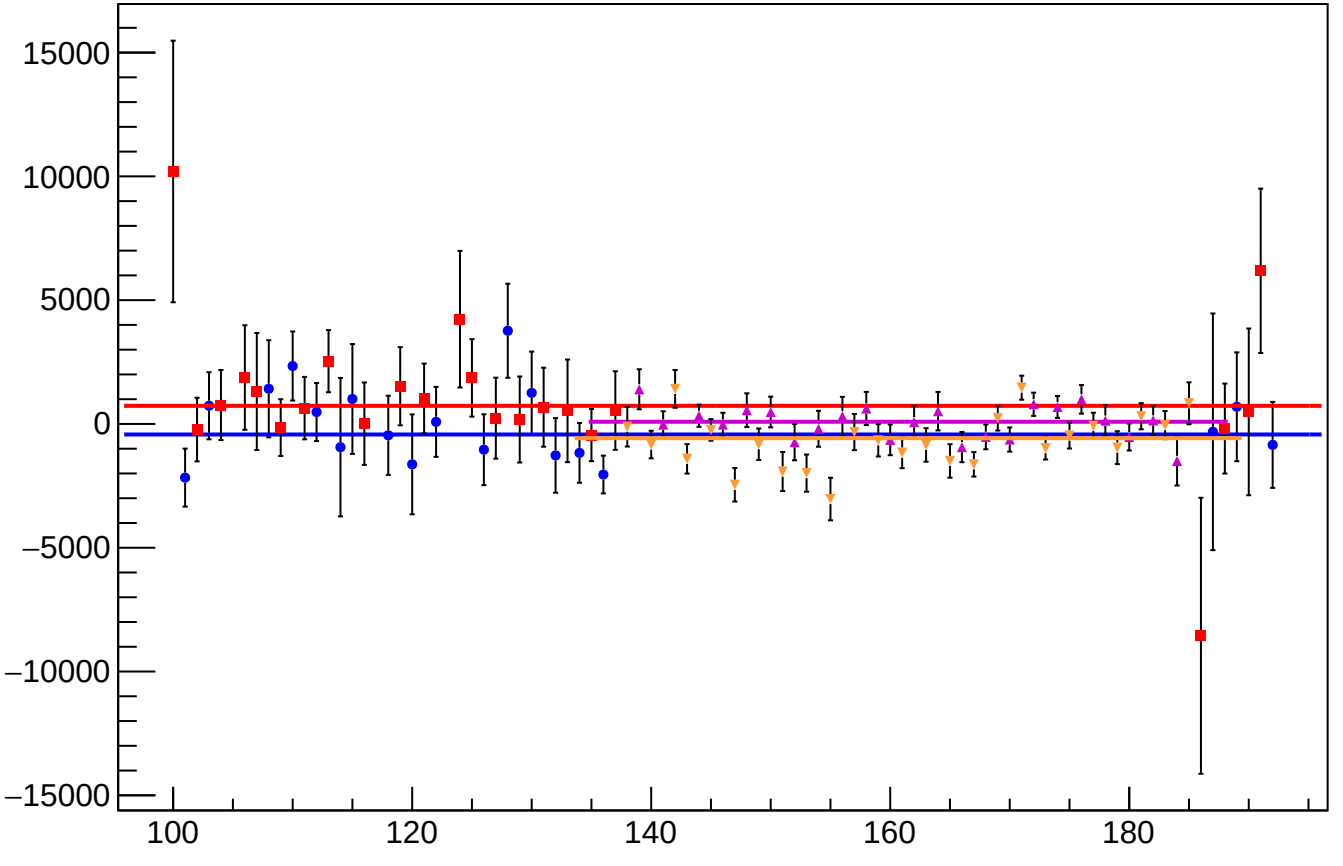
Right: 72.984+/-0.013 χ^2/NDF: 3465296.2/41

In: 64.705+/-0.009 χ^2/NDF:2290636.1/41

Out: 64.331+/-0.009 χ^2/NDF:2983358.1/47

All: 64.513+/-0.006 χ^2/NDF: 5274877.7/89

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 731.468+/-342.654 χ^2/NDF: 16.6/22

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

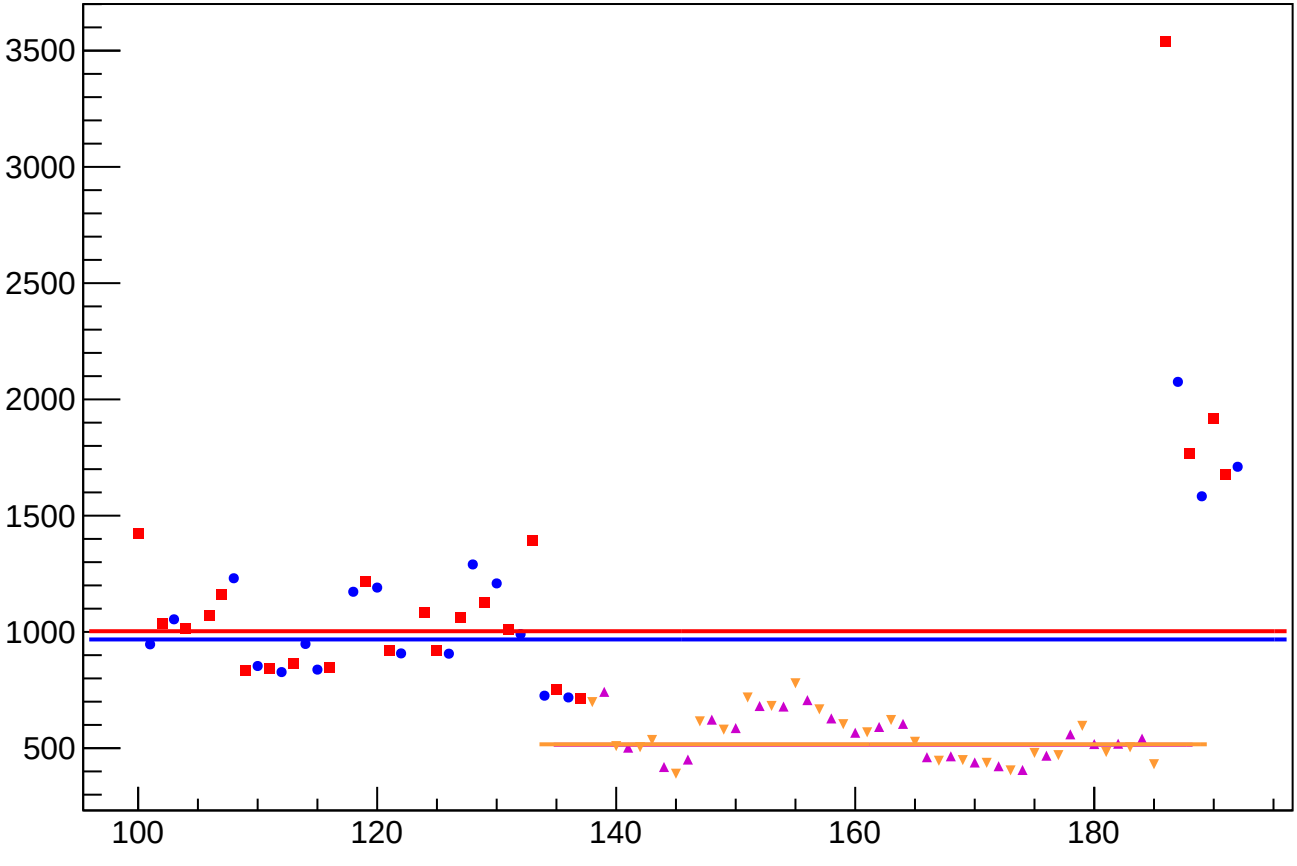
Right: 143.537+/-240.318 χ^2/NDF: 43.3/41

In: 28.399+/-115.129 χ^2/NDF:47.5/41

Out: -432.663+/-113.034 χ^2/NDF:98.3/47

All: -206.365+/-80.657 χ^2/NDF: 154.0/89

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: 1003.010+/-0.242 χ^2/NDF: 1456586.1/22

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

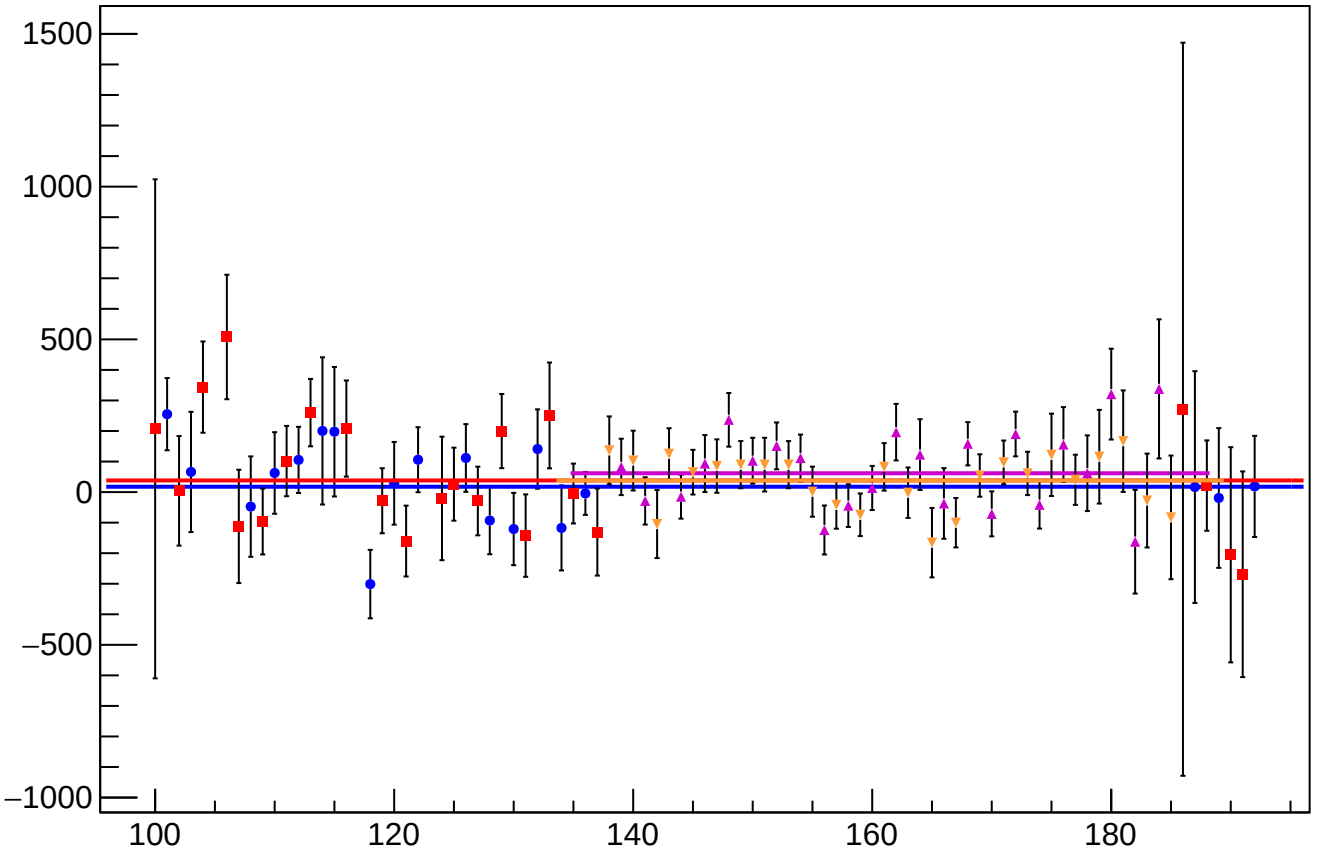
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 985.002+/-0.170 χ^2/NDF: 2650260.8/41

In: 567.583+/-0.081 χ^2/NDF:5490053.7/41

Out: 569.562+/-0.080 χ^2/NDF:6312846.4/47

All: 568.591+/-0.057 χ^2/NDF: 11803200.9/89



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: 38.169+/-29.830 χ^2/NDF: 29.1/22

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

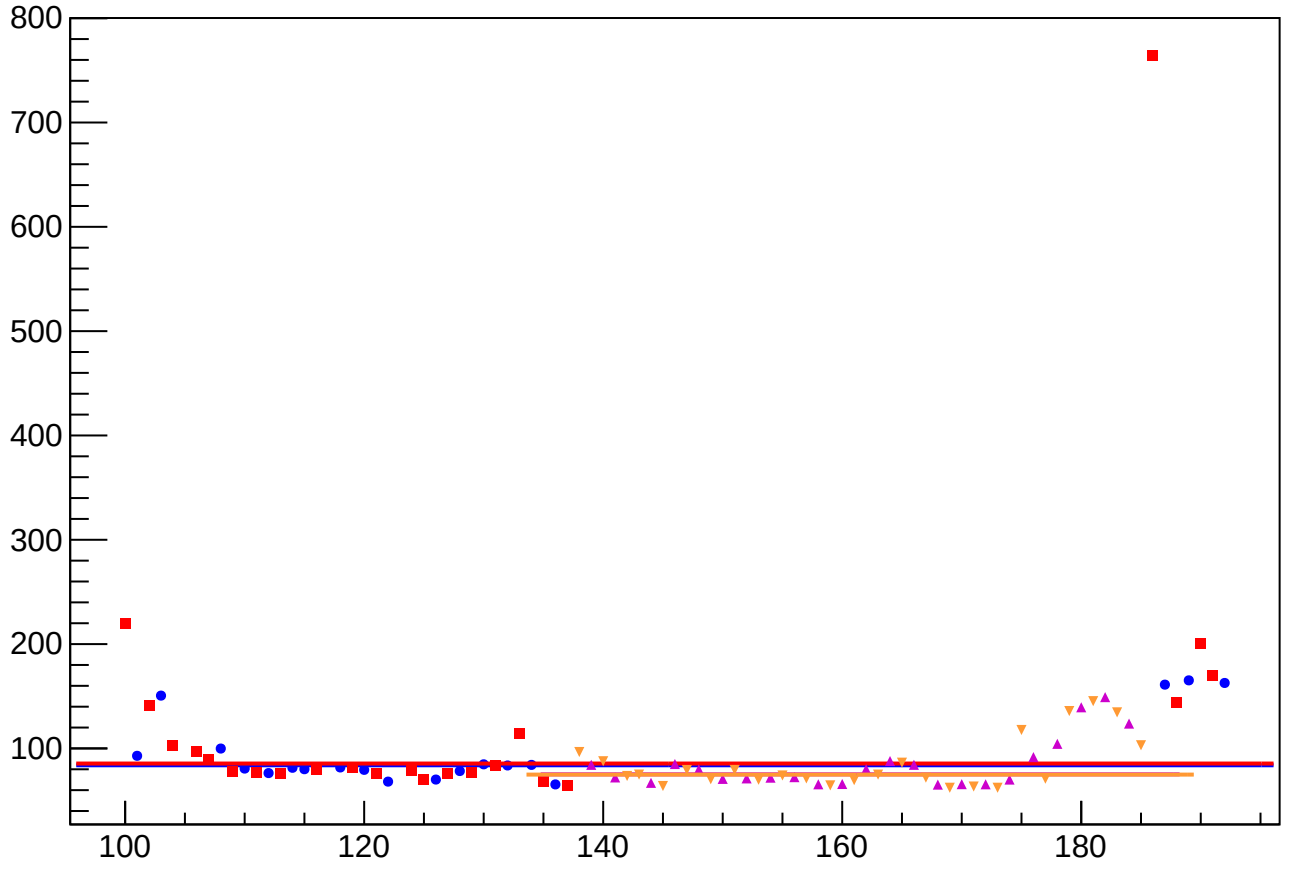
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 27.752+/-20.979 χ^2/NDF: 49.5/41

In: 49.561+/-15.485 χ^2/NDF:58.5/41

Out: 38.252+/-15.203 χ^2/NDF:47.9/47

All: 43.802+/-10.848 χ^2/NDF: 106.7/89



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: 85.503+/-0.021 χ^2/NDF: 1850261.3/22

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

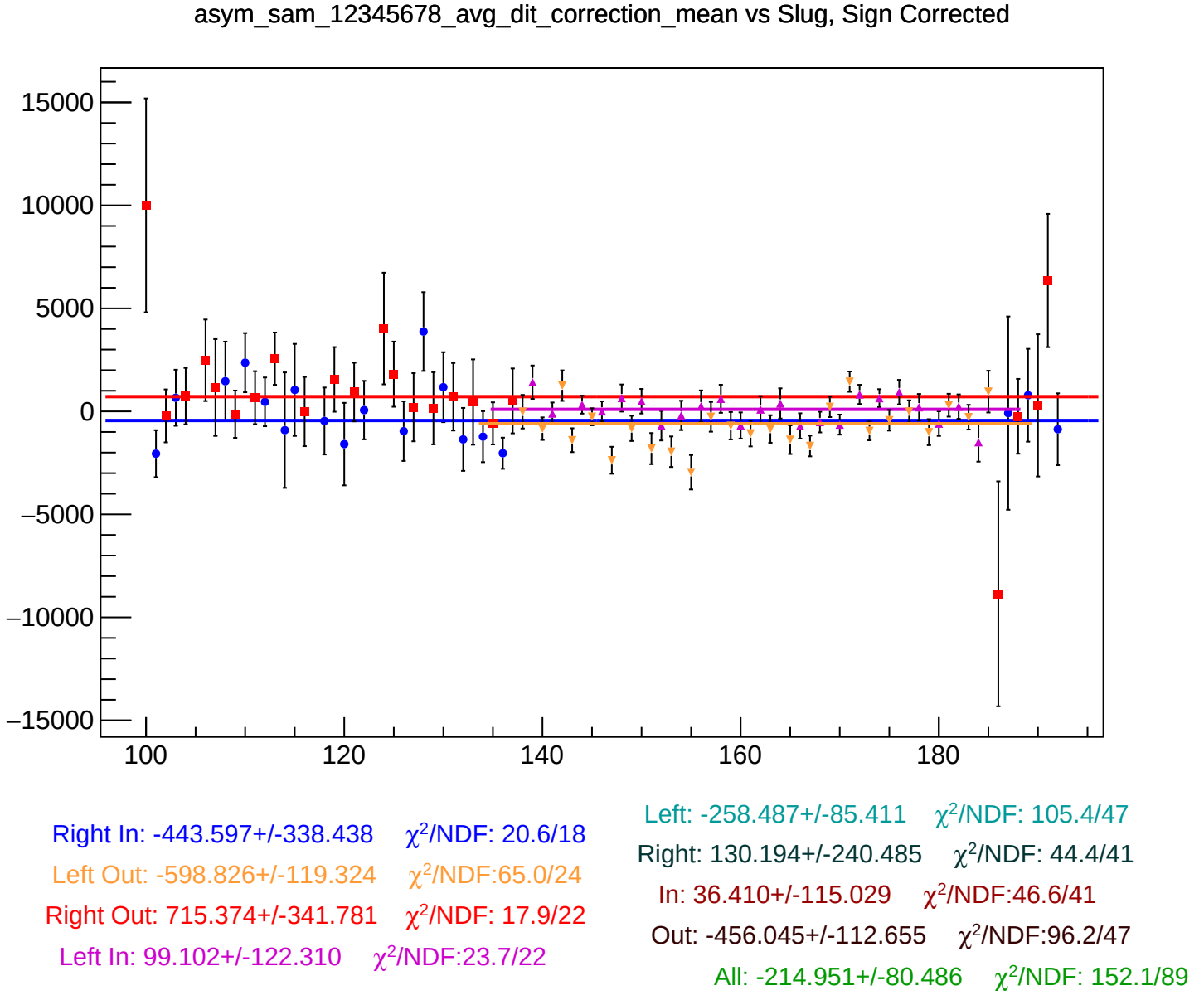
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 84.663+/-0.015 χ^2/NDF: 3134373.4/41

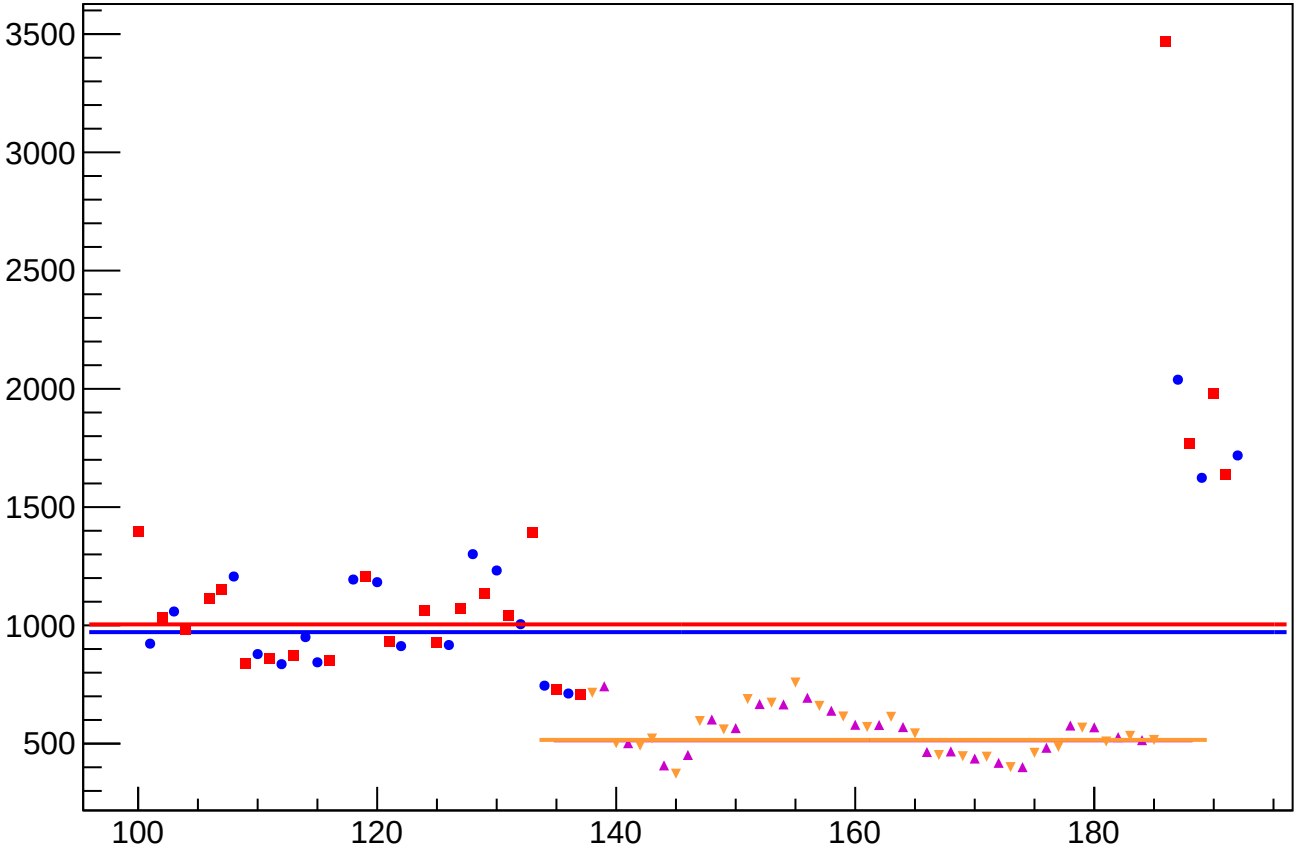
In: 77.547+/-0.011 χ^2/NDF:2719055.3/41

Out: 77.656+/-0.011 χ^2/NDF:3698760.1/47

All: 77.603+/-0.008 χ^2/NDF: 6417865.5/89


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: 715.374+/-341.781 χ²/NDF: 17.9/22
Left In: 99.102+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: 130.194+/-240.485 χ²/NDF: 44.4/41
In: 36.410+/-115.029 χ²/NDF:46.6/41
Out: -456.045+/-112.655 χ²/NDF:96.2/47
All: -214.951+/-80.486 χ²/NDF: 152.1/89

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: 1004.091+/-0.242 χ^2/NDF: 1476798.3/22

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

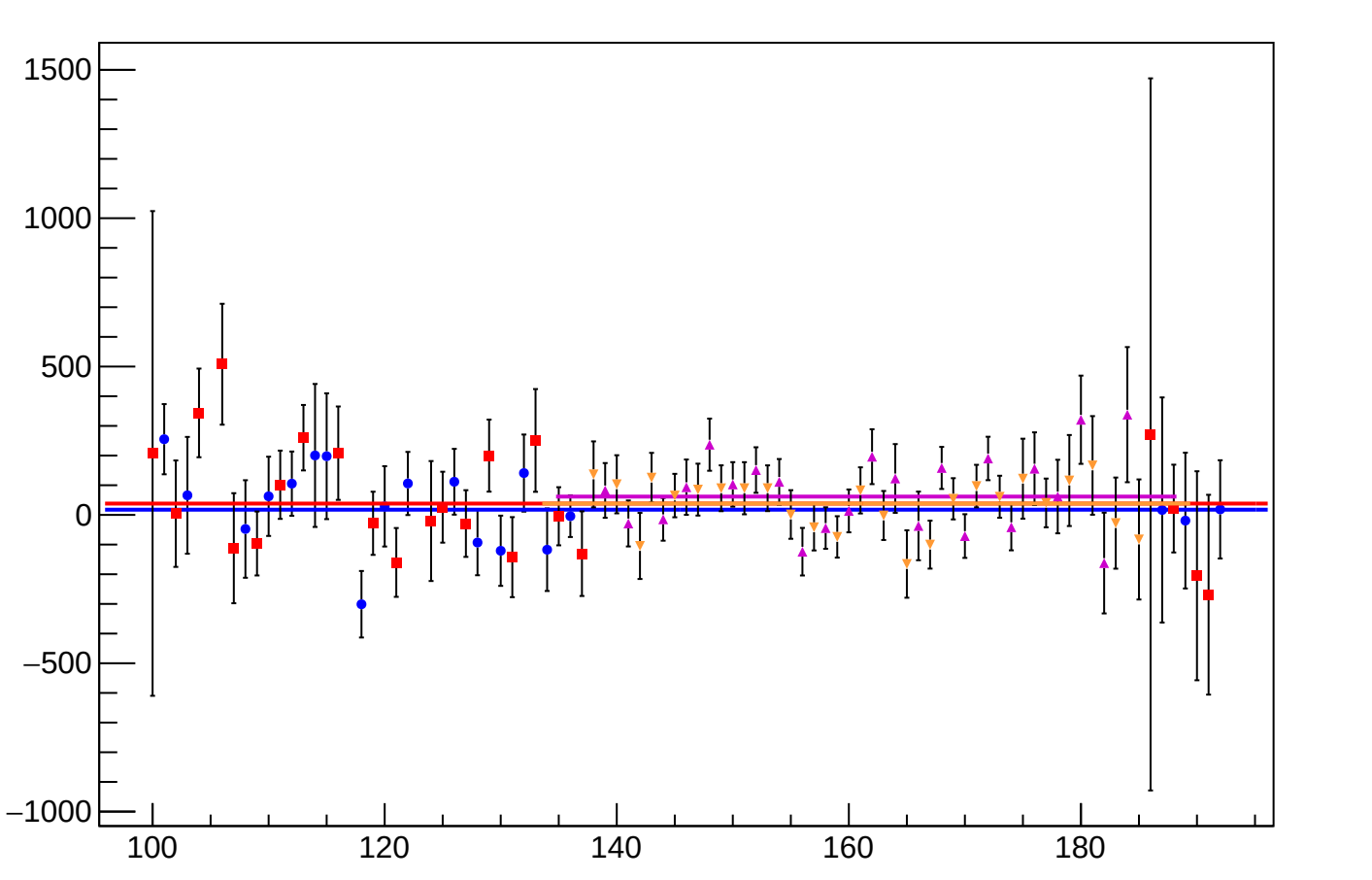
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 987.579+/-0.170 χ^2/NDF: 2682804.5/41

In: 566.915+/-0.081 χ^2/NDF:5543358.3/41

Out: 568.816+/-0.080 χ^2/NDF:6348522.1/47

All: 567.885+/-0.057 χ^2/NDF: 11892159.3/89



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: 38.168+/-29.830 χ^2/NDF: 29.1/22

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

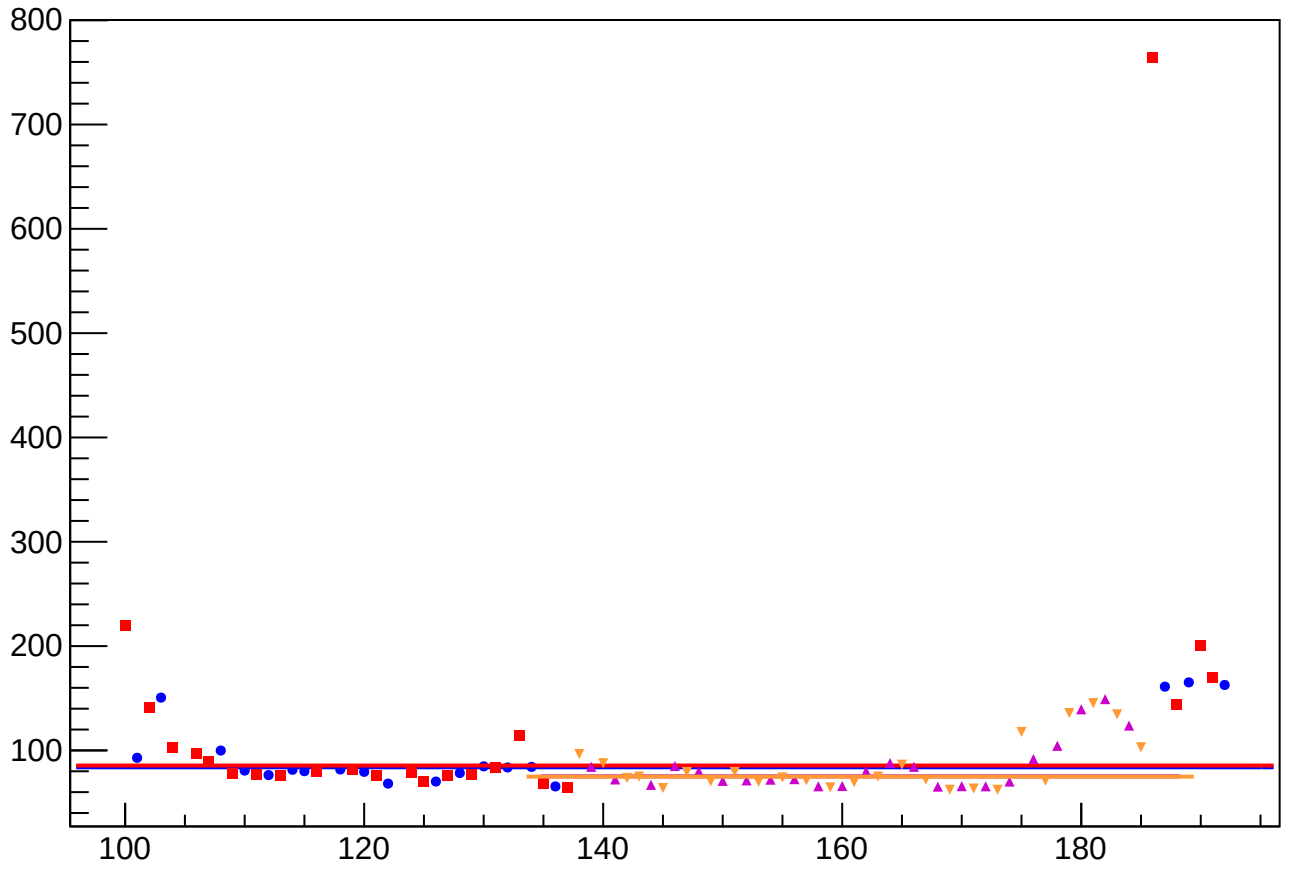
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 27.751+/-20.978 χ^2/NDF: 49.5/41

In: 49.560+/-15.485 χ^2/NDF:58.5/41

Out: 38.252+/-15.203 χ^2/NDF:47.9/47

All: 43.802+/-10.848 χ^2/NDF: 106.7/89



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: 85.503+/-0.021 χ^2/NDF: 1850277.6/22

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

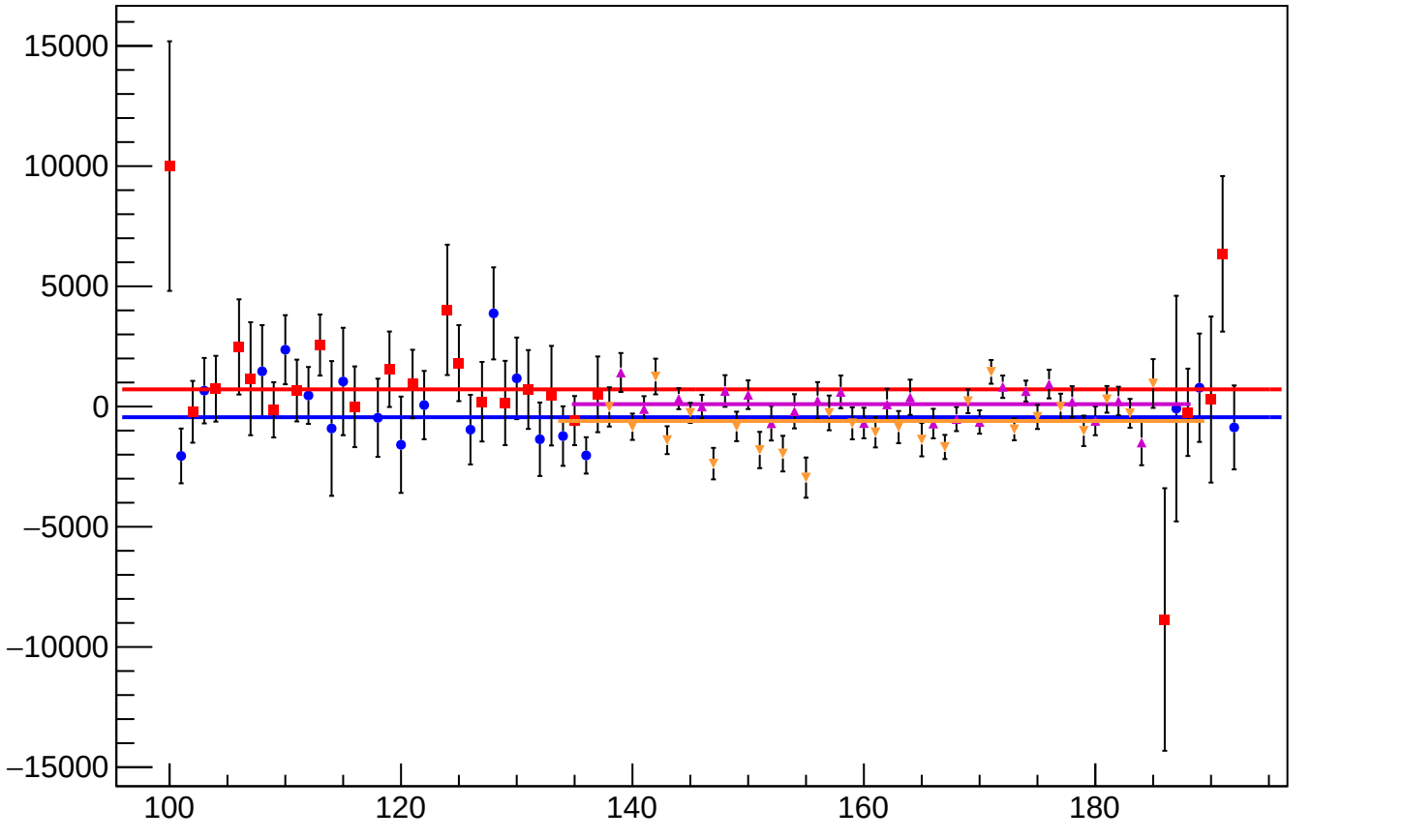
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 84.662+/-0.015 χ^2/NDF: 3134391.0/41

In: 77.547+/-0.011 χ^2/NDF:2719027.0/41

Out: 77.656+/-0.011 χ^2/NDF:3698760.3/47

All: 77.603+/-0.008 χ^2/NDF: 6417837.3/89



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: 715.373+/-341.780 χ^2/NDF: 17.9/22

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

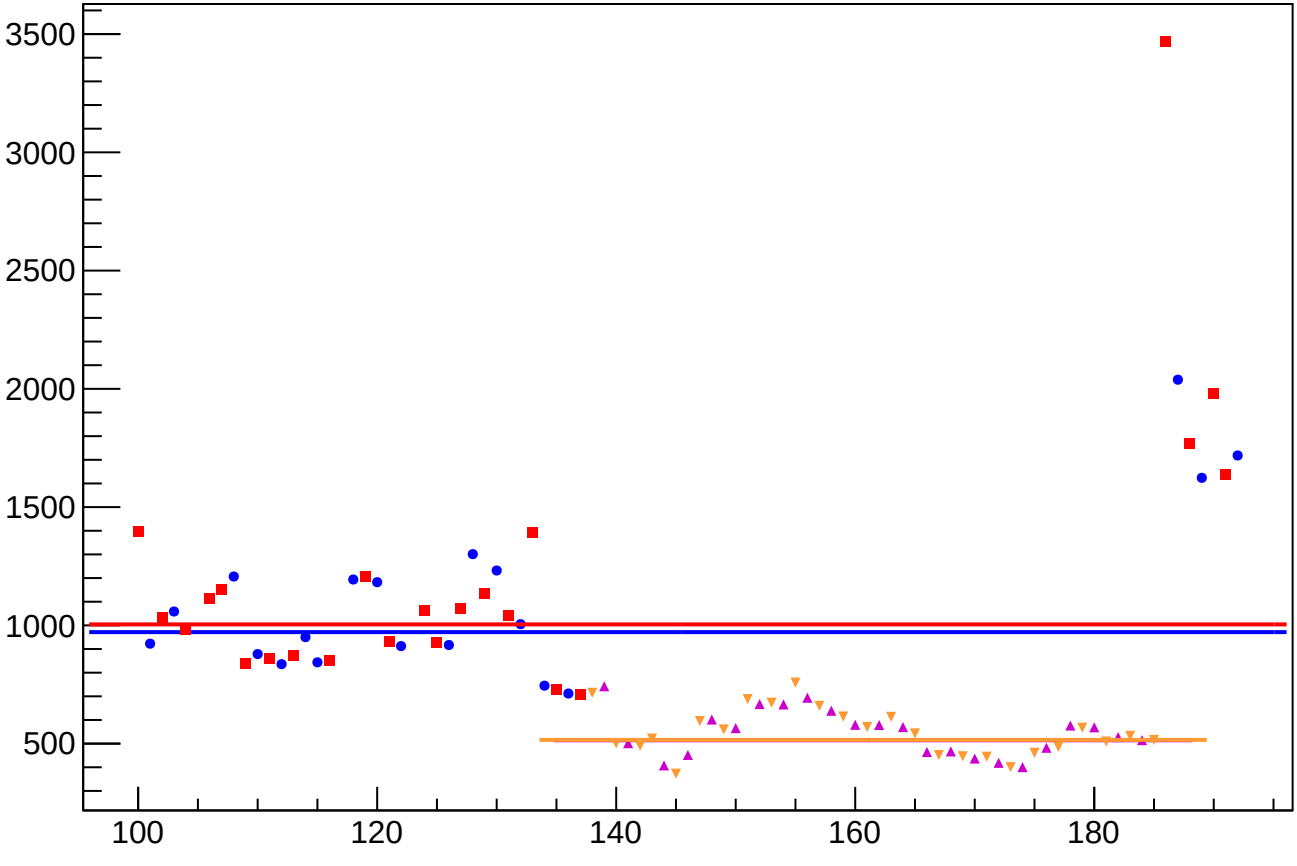
Right: 130.195+/-240.485 χ^2/NDF: 44.4/41

In: 36.409+/-115.029 χ^2/NDF:46.6/41

Out: -456.044+/-112.655 χ^2/NDF:96.2/47

All: -214.951+/-80.485 χ^2/NDF: 152.1/89

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: 1004.089+/-0.242 χ^2/NDF: 1476801.2/22

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

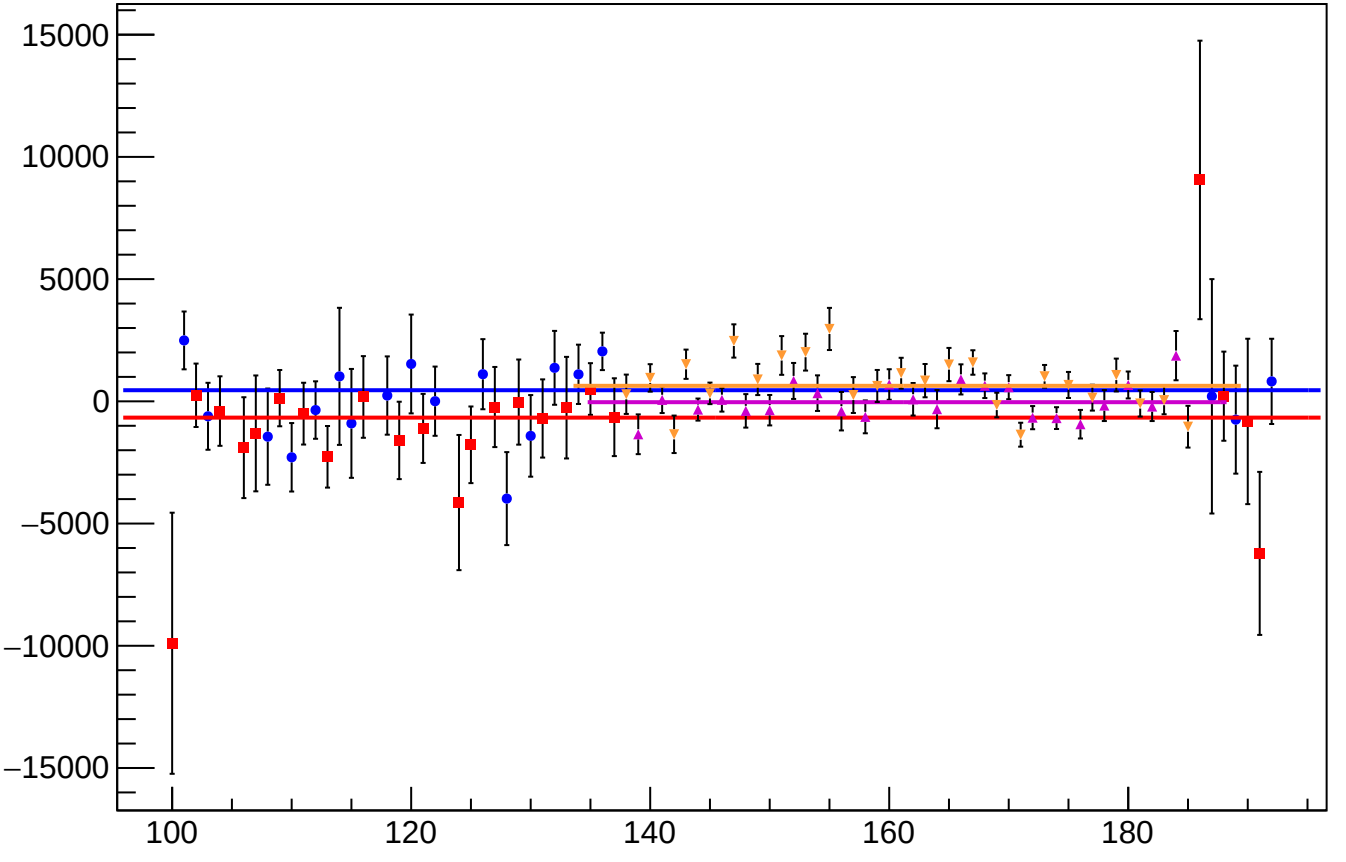
Right: 987.577+/-0.170 χ^2/NDF: 2682808.6/41

In: 566.914+/-0.081 χ^2/NDF:5543353.9/41

Out: 568.815+/-0.080 χ^2/NDF:6348522.7/47

All: 567.884+/-0.057 χ^2/NDF: 11892155.4/89

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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: -666.217+/-343.691 χ^2/NDF: 16.2/22

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

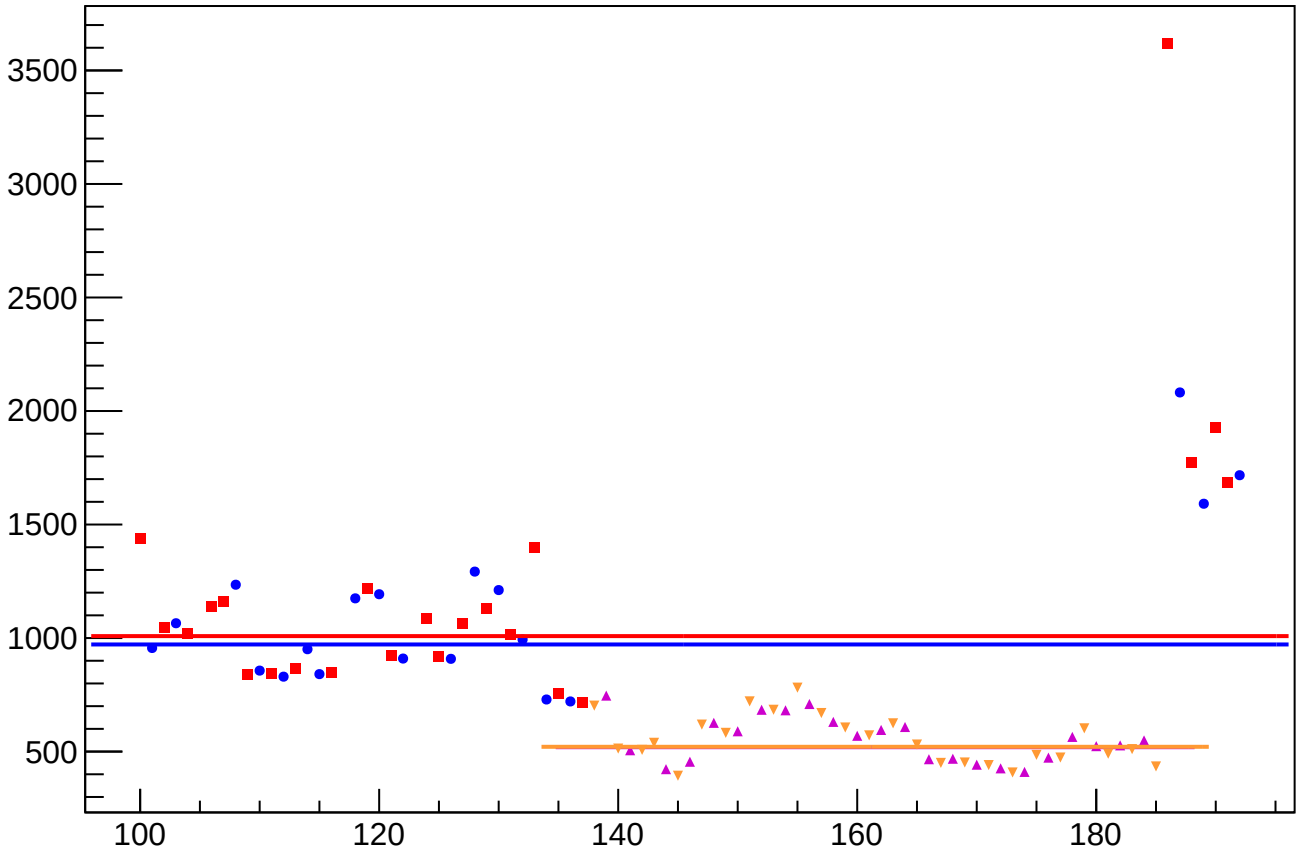
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -97.224+/-241.200 χ^2/NDF: 43.5/41

In: 22.719+/-116.037 χ^2/NDF:48.8/41

Out: 491.909+/-113.896 χ^2/NDF:93.5/47

All: 261.683+/-81.283 χ^2/NDF: 150.6/89



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: 1008.552+/-0.243 χ^2/NDF: 1470477.9/22

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

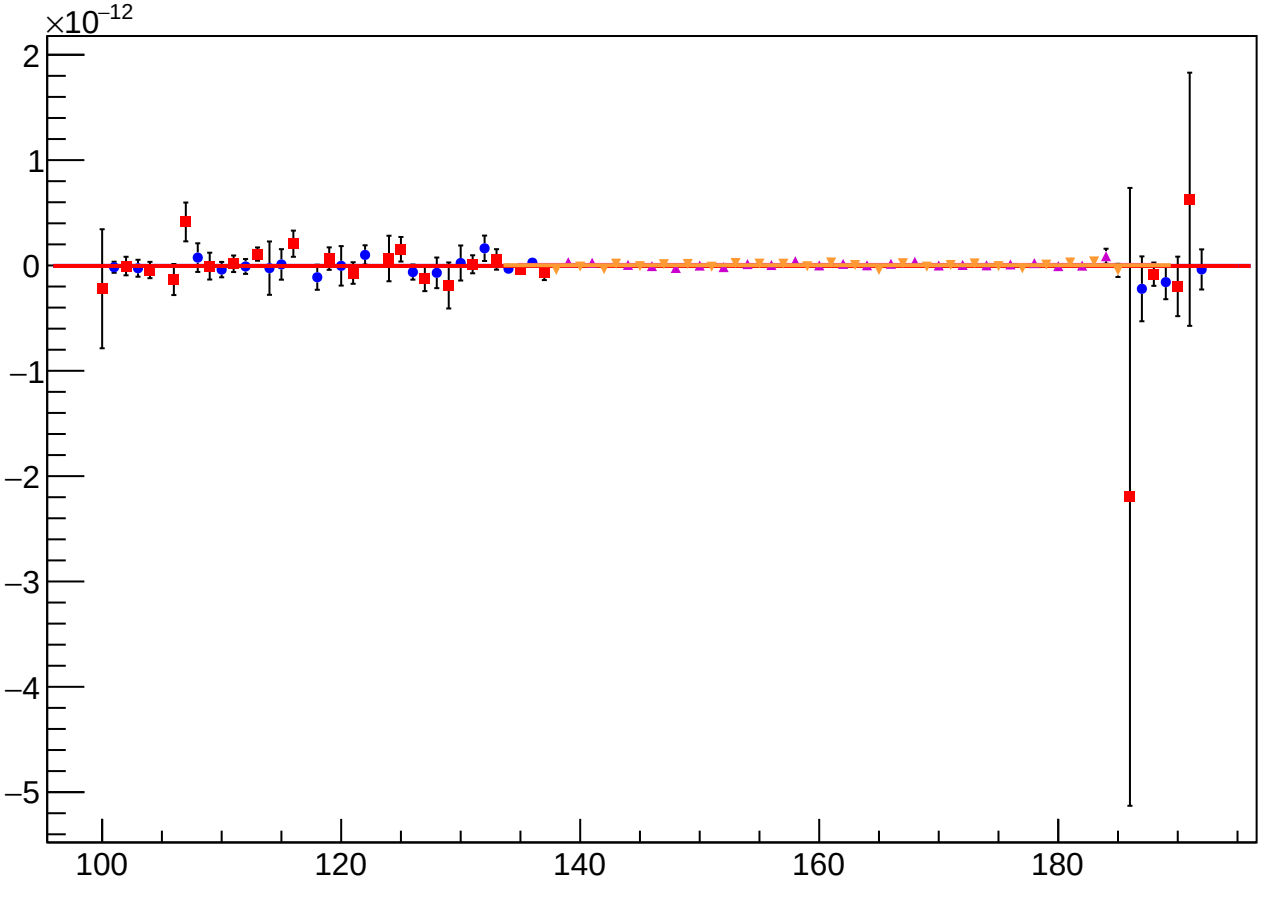
Right: 989.874+/-0.171 χ^2/NDF: 2664454.2/41

In: 572.388+/-0.082 χ^2/NDF:5435658.9/41

Out: 574.565+/-0.081 χ^2/NDF:6295844.0/47

All: 573.497+/-0.057 χ^2/NDF: 11731861.5/89

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/22

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

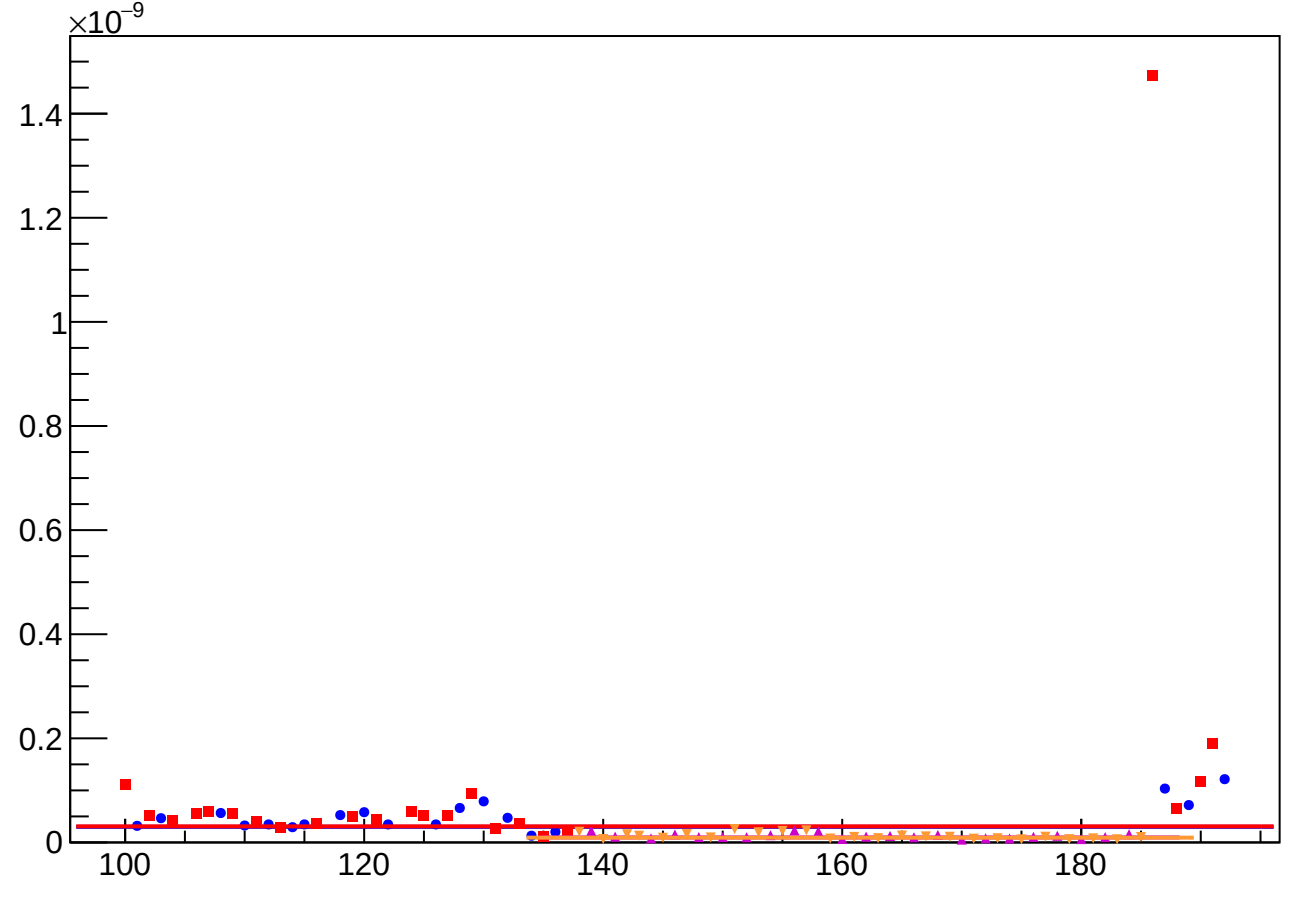
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 29.8/41

In: 0.000+/-0.000 χ^2/NDF:19.5/41

Out: 0.000+/-0.000 χ^2/NDF:43.8/47

All: 0.000+/-0.000 χ^2/NDF: 63.5/89



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: 2567544.6/22

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

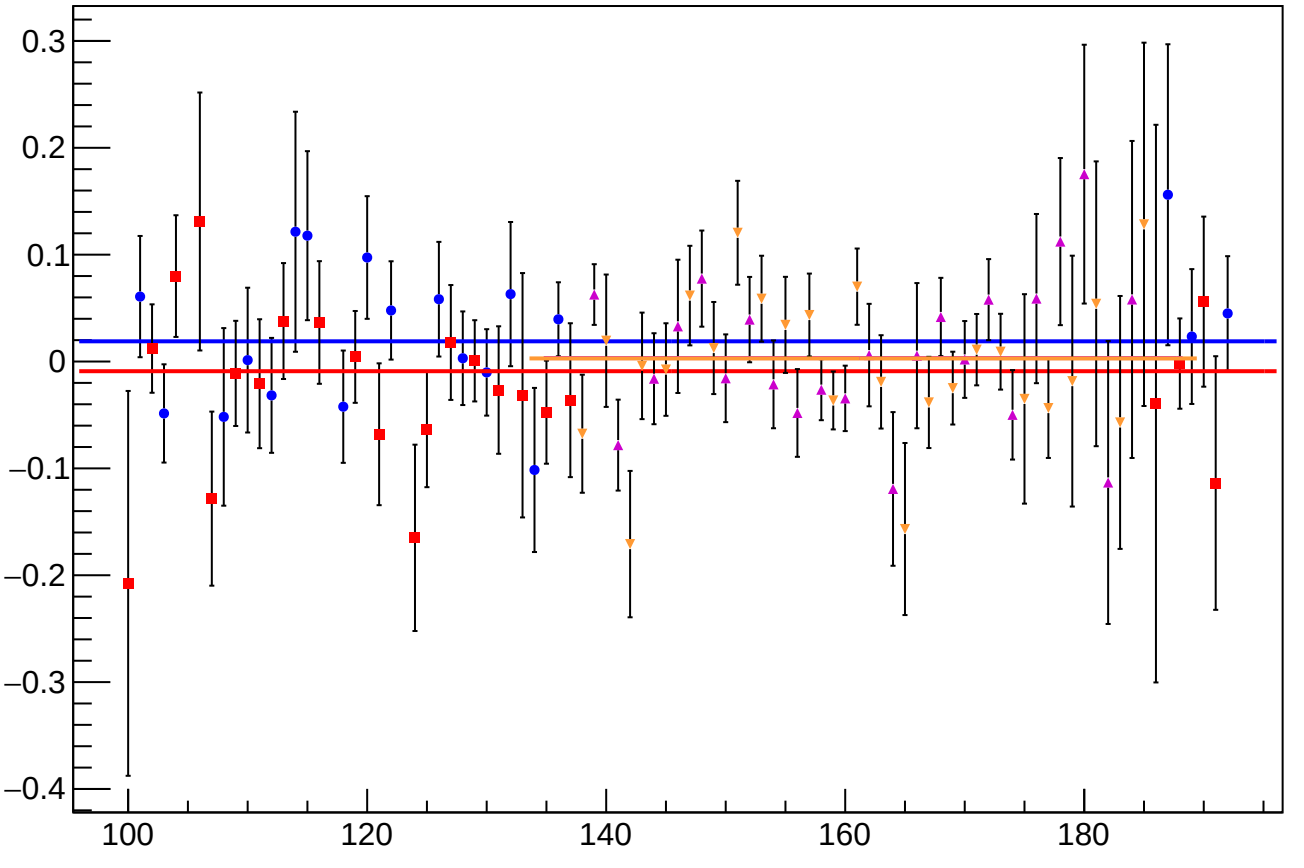
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 4445367.1/41

In: 0.000+/-0.000 χ^2/NDF:6075998.5/41

Out: 0.000+/-0.000 χ^2/NDF:7227923.0/47

All: 0.000+/-0.000 χ^2/NDF: 13325181.8/89



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: -0.009+/-0.012 χ^2/NDF: 16.6/22

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

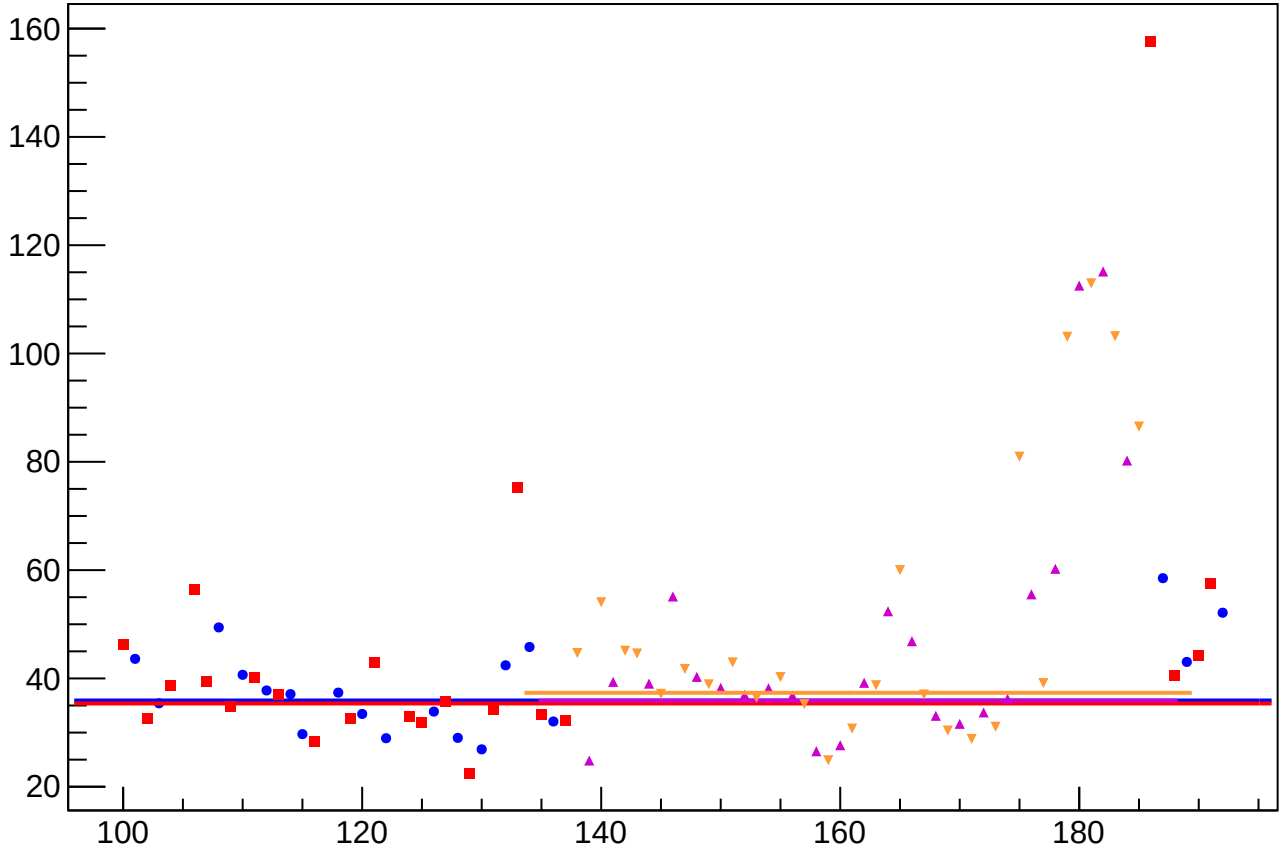
Right: 0.005+/-0.009 χ^2/NDF: 35.1/41

In: 0.009+/-0.007 χ^2/NDF:46.8/41

Out: -0.001+/-0.007 χ^2/NDF:50.1/47

All: 0.004+/-0.005 χ^2/NDF: 97.8/89

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: 35.374+/-0.009 χ^2/NDF: 1224919.3/22

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

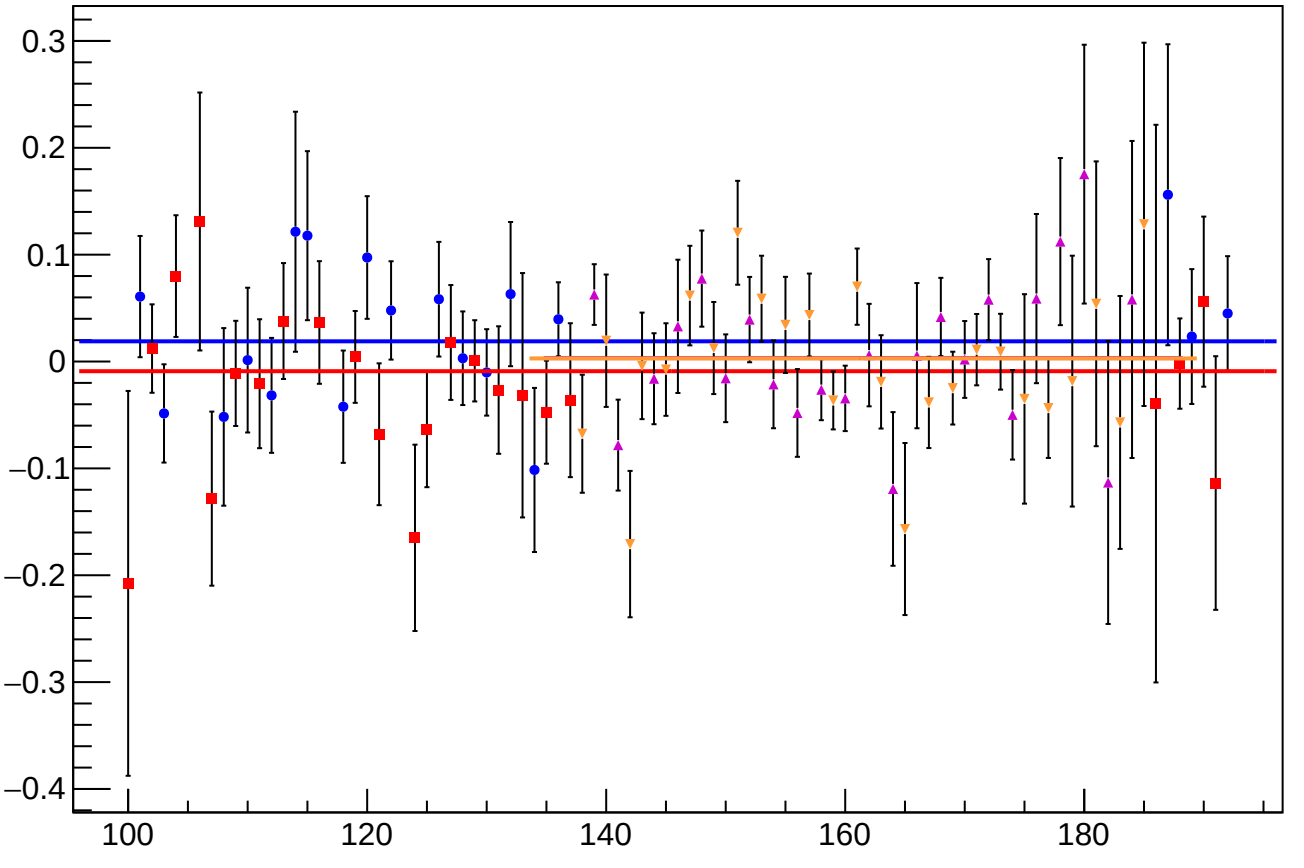
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 35.641+/-0.006 χ^2/NDF: 1881297.1/41

In: 35.905+/-0.005 χ^2/NDF:3792765.5/41

Out: 36.636+/-0.005 χ^2/NDF:4954079.6/47

All: 36.271+/-0.004 χ^2/NDF: 8756577.3/89



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: -0.009+/-0.012 χ^2/NDF: 16.6/22

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

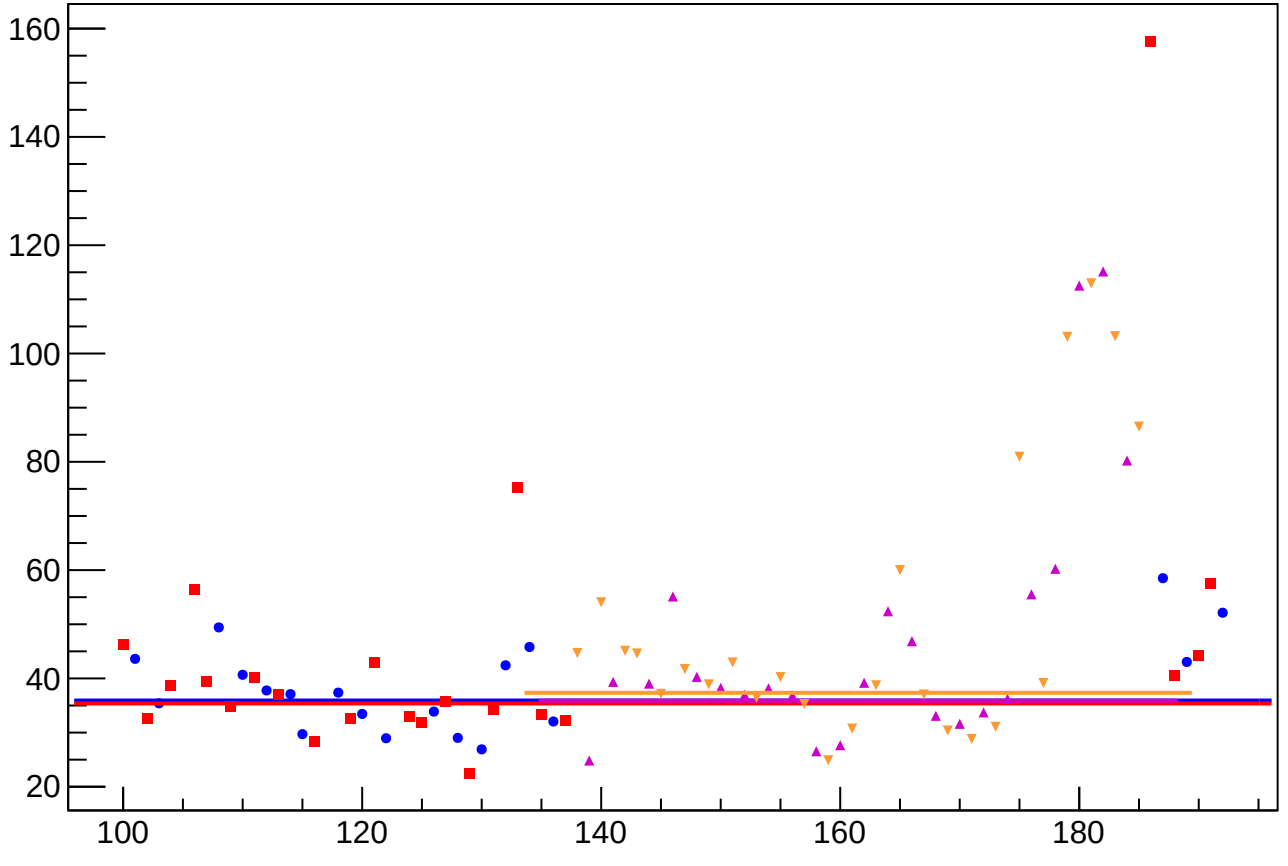
Right: 0.005+/-0.009 χ^2/NDF: 35.1/41

In: 0.009+/-0.007 χ^2/NDF:46.8/41

Out: -0.001+/-0.007 χ^2/NDF:50.1/47

All: 0.004+/-0.005 χ^2/NDF: 97.8/89

asym_sam_12345678_avg_dit_vs_eigen_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: 35.374+/-0.009 χ^2/NDF: 1224919.3/22

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

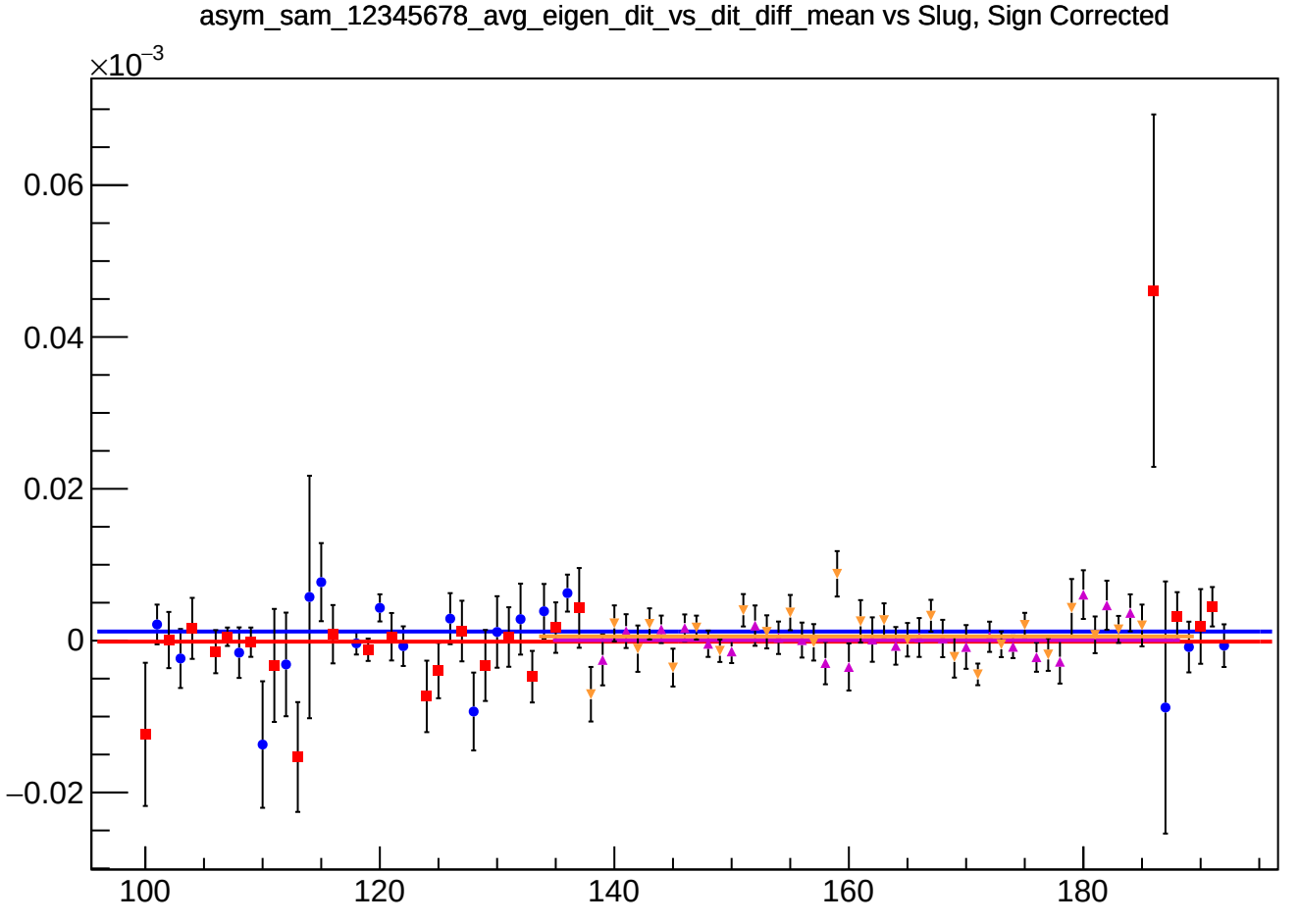
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 35.641+/-0.006 χ^2/NDF: 1881297.1/41

In: 35.905+/-0.005 χ^2/NDF:3792765.5/41

Out: 36.636+/-0.005 χ^2/NDF:4954079.6/47

All: 36.271+/-0.004 χ^2/NDF: 8756577.3/89



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: 22.8/22

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

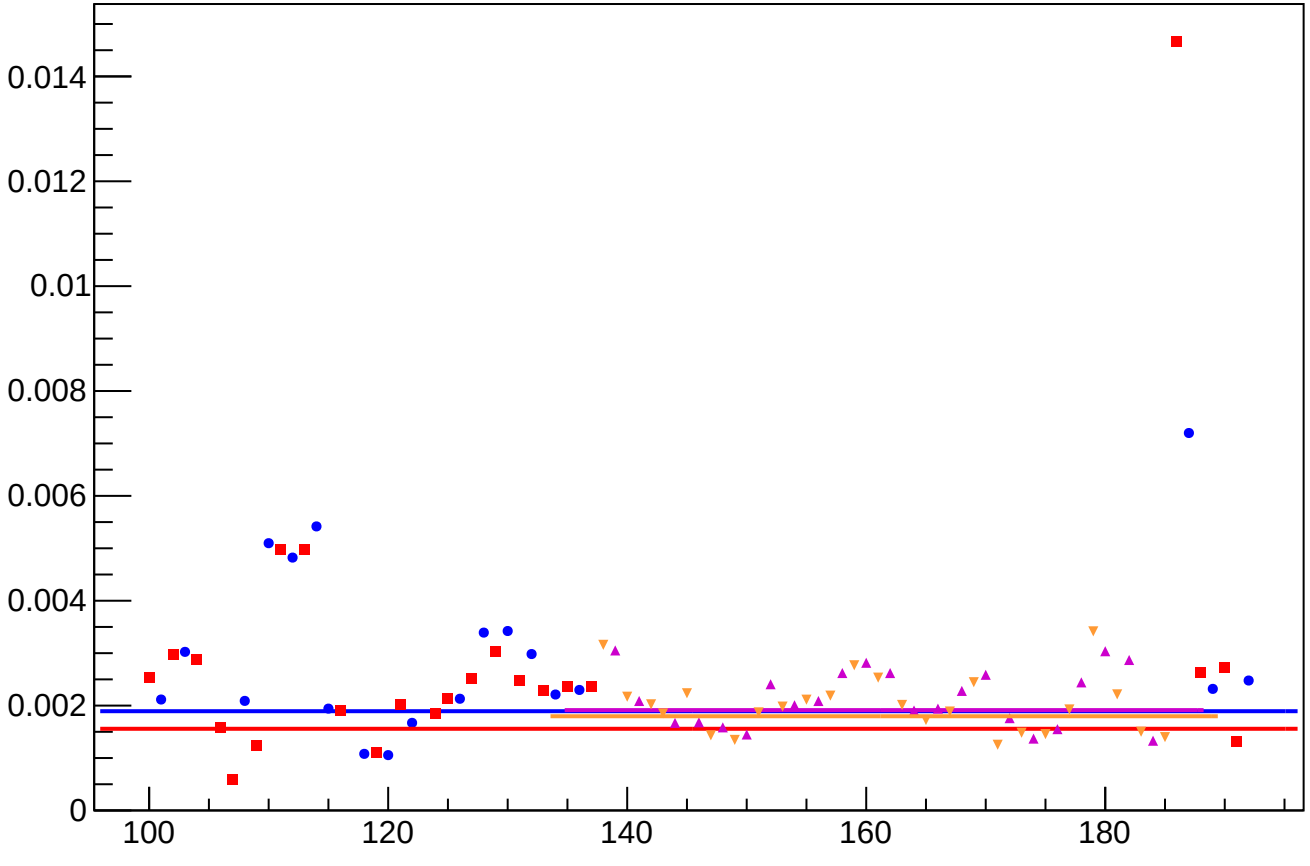
Right: 0.000+/-0.000 χ^2/NDF: 47.1/41

In: 0.000+/-0.000 χ^2/NDF:41.0/41

Out: 0.000+/-0.000 χ^2/NDF:67.2/47

All: 0.000+/-0.000 χ^2/NDF: 108.2/89

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: 4692433.0/22

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

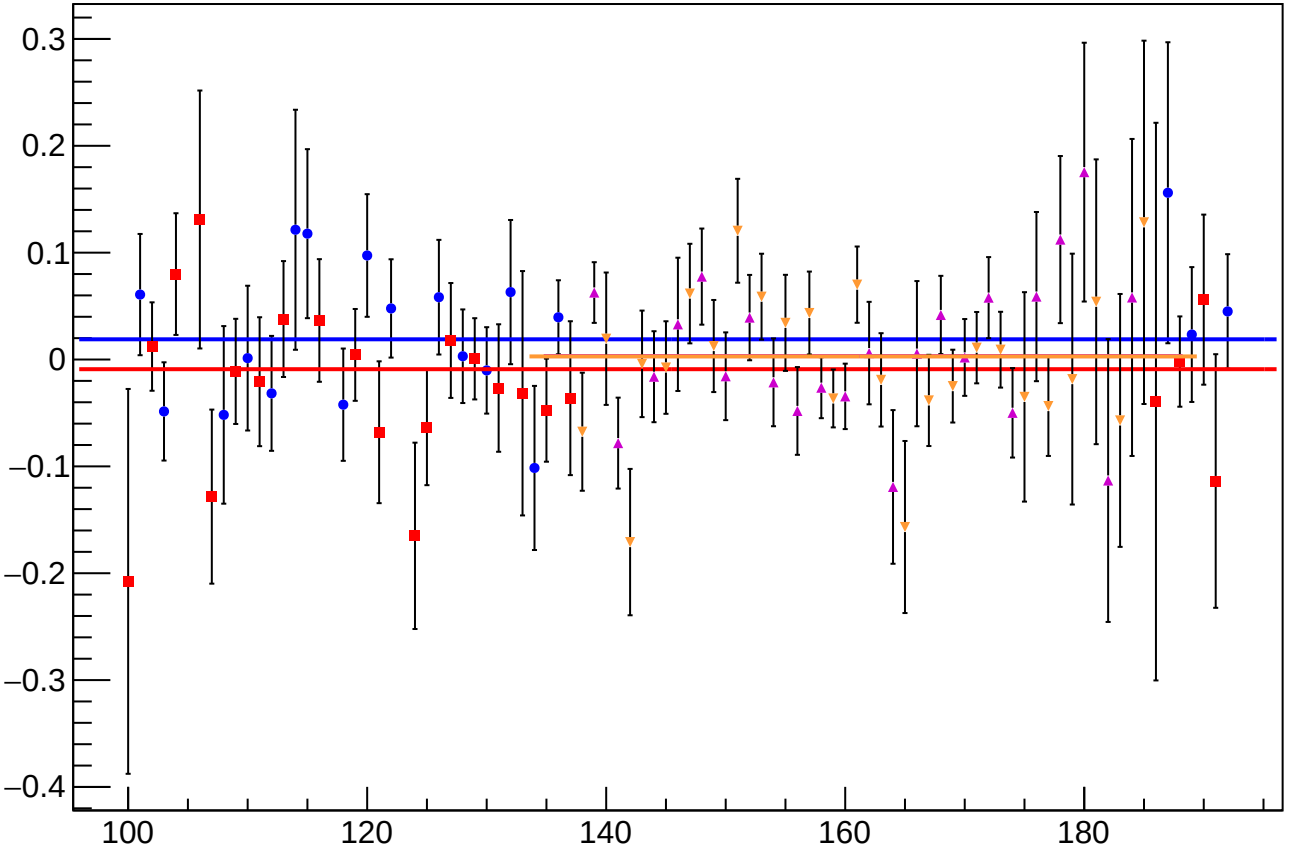
Right: 0.002+/-0.000 χ^2/NDF: 7862213.0/41

In: 0.002+/-0.000 χ^2/NDF:5085985.5/41

Out: 0.002+/-0.000 χ^2/NDF:7178715.4/47

All: 0.002+/-0.000 χ^2/NDF: 12525645.9/89

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: -0.009+/-0.012 χ^2/NDF: 16.6/22

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

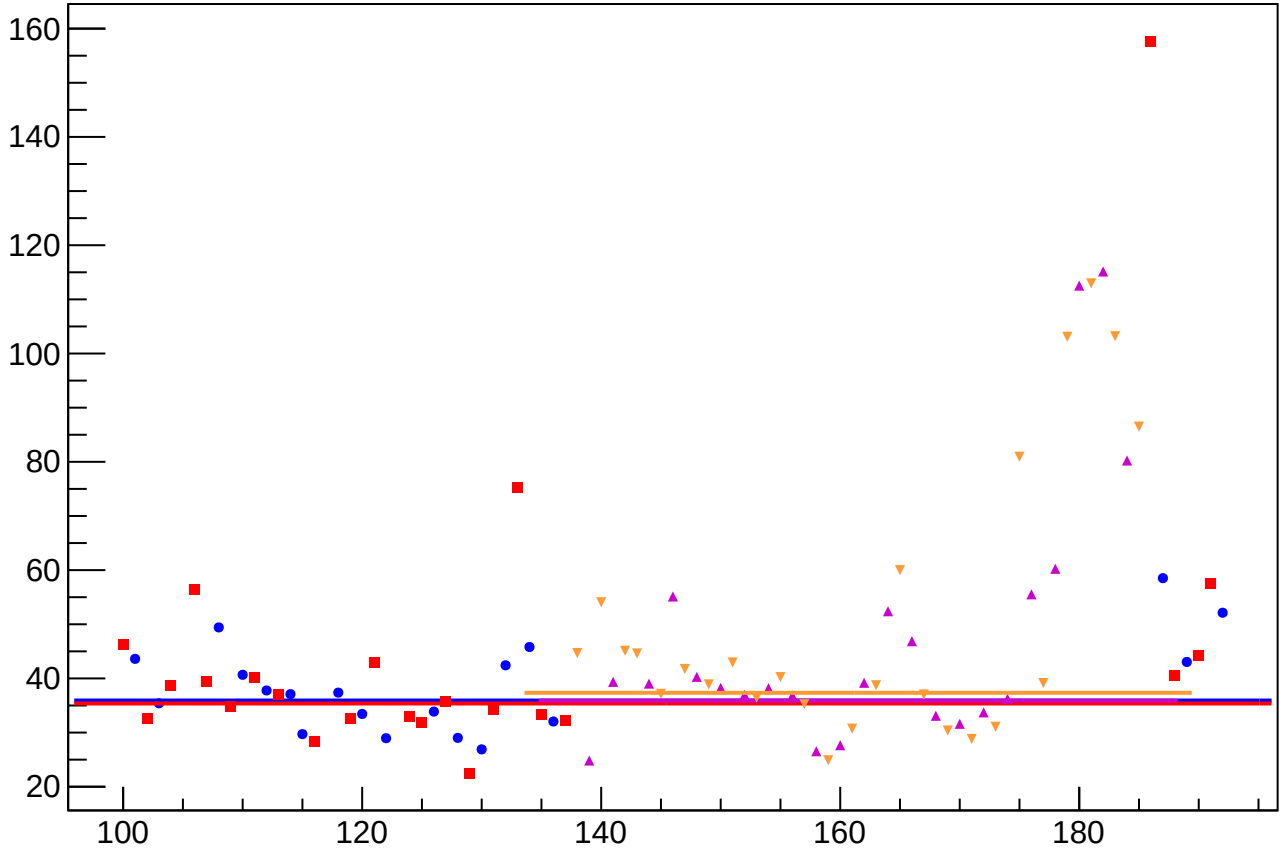
Right: 0.005+/-0.009 χ^2/NDF: 35.1/41

In: 0.009+/-0.007 χ^2/NDF:46.8/41

Out: -0.001+/-0.007 χ^2/NDF:50.1/47

All: 0.004+/-0.005 χ^2/NDF: 97.8/89

asym_sam_12345678_avg_eigen_dit_vs_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: 35.374+/-0.009 χ^2/NDF: 1225002.1/22

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

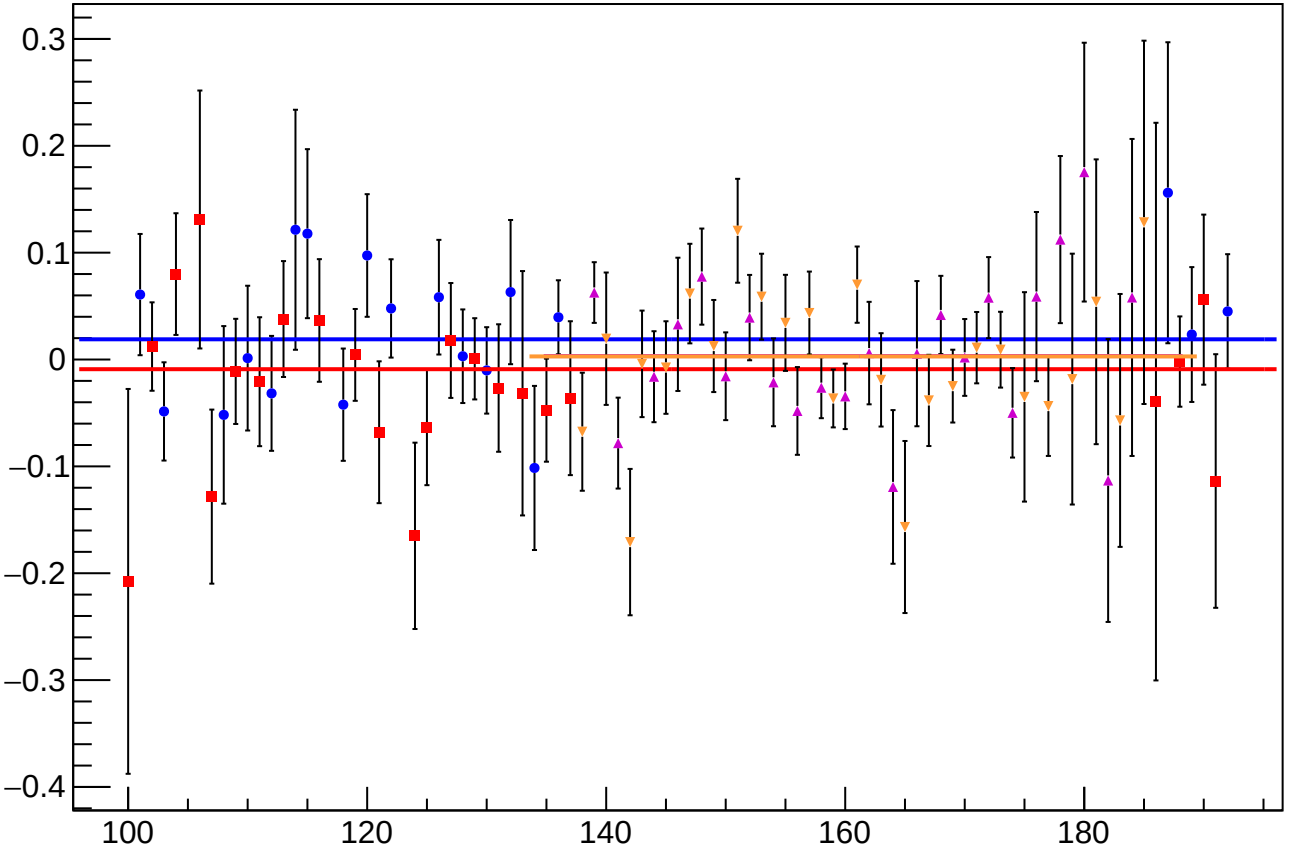
Right: 35.640+/-0.006 χ^2/NDF: 1881454.1/41

In: 35.905+/-0.005 χ^2/NDF:3792857.5/41

Out: 36.636+/-0.005 χ^2/NDF:4954233.2/47

All: 36.271+/-0.004 χ^2/NDF: 8756823.6/89

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: -0.009+/-0.012 χ^2/NDF: 16.6/22

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

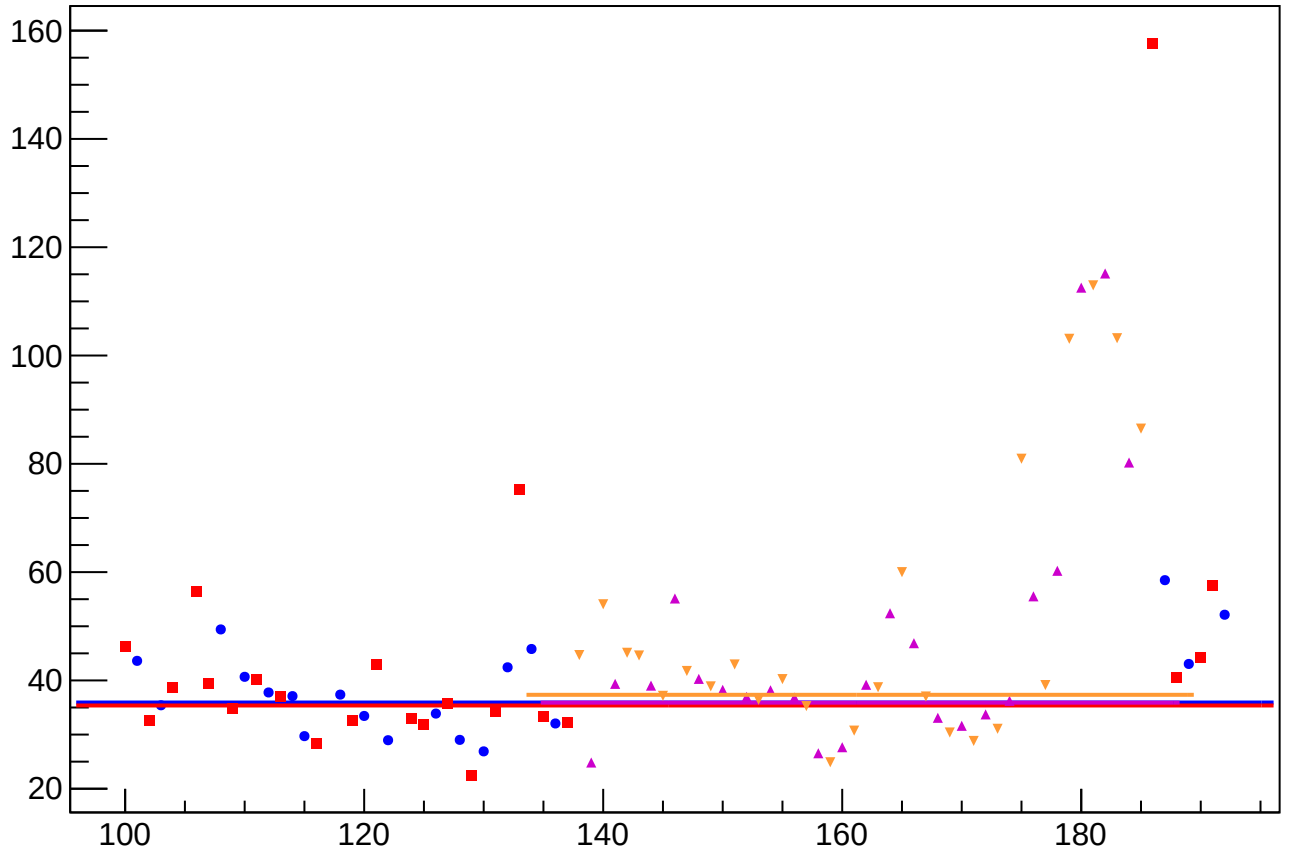
Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

Right: 0.005+/-0.009 χ^2/NDF: 35.1/41

In: 0.009+/-0.007 χ^2/NDF:46.8/41

Out: -0.001+/-0.007 χ^2/NDF:50.1/47

All: 0.004+/-0.005 χ^2/NDF: 97.8/89



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: 35.374+/-0.009 χ^2/NDF: 1225002.1/22

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

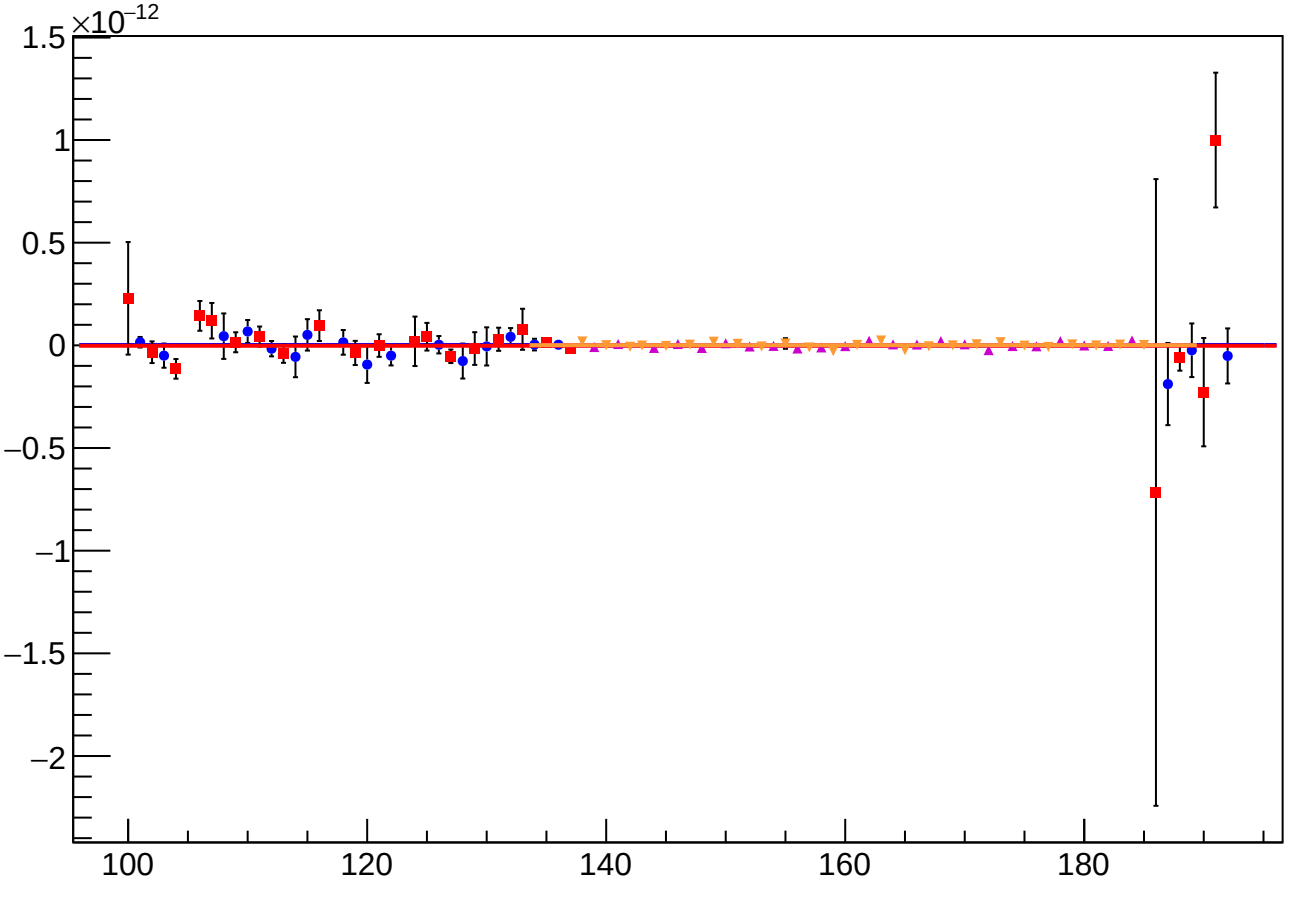
Right: 35.640+/-0.006 χ^2/NDF: 1881454.1/41

In: 35.905+/-0.005 χ^2/NDF:3792857.5/41

Out: 36.636+/-0.005 χ^2/NDF:4954233.2/47

All: 36.271+/-0.004 χ^2/NDF: 8756823.6/89

asym_sam_12345678_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:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/22

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

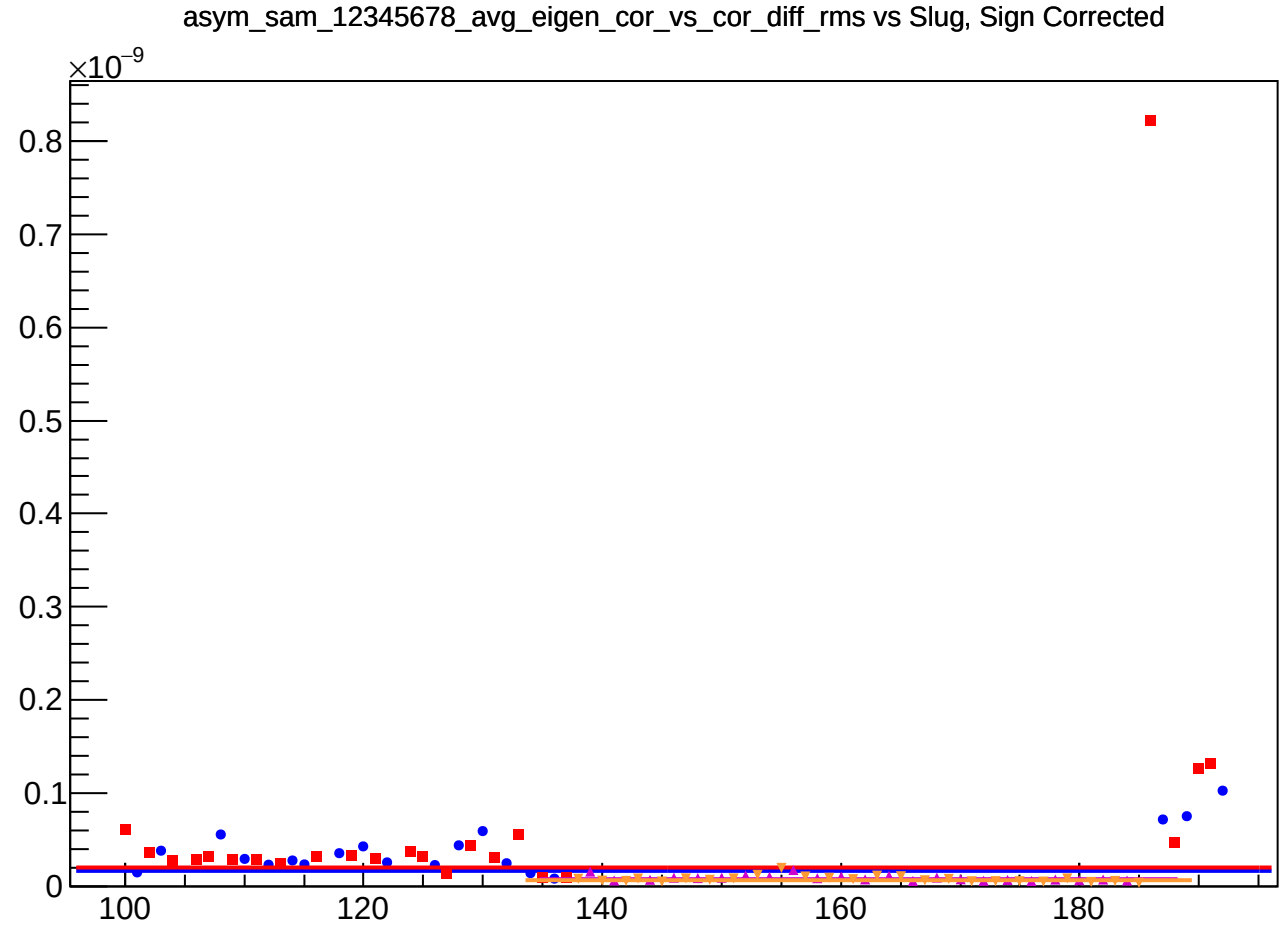
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 41.5/41

In: 0.000+/-0.000 χ^2/NDF:38.0/41

Out: 0.000+/-0.000 χ^2/NDF:54.1/47

All: 0.000+/-0.000 χ^2/NDF: 92.1/89



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: 3927853.8/22

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

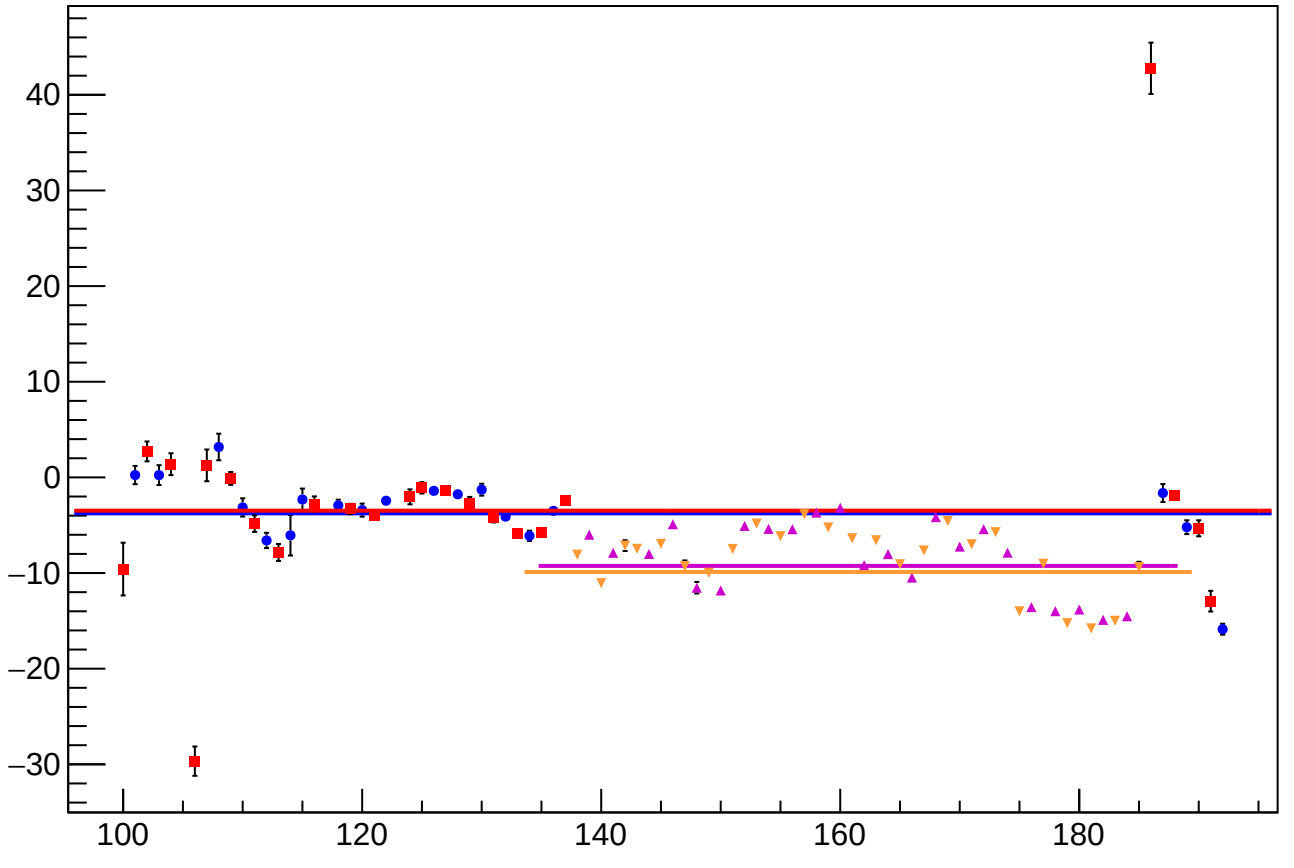
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 8288933.5/41

In: 0.000+/-0.000 χ^2/NDF:7775166.4/41

Out: 0.000+/-0.000 χ^2/NDF:9635349.0/47

All: 0.000+/-0.000 χ^2/NDF: 17699545.7/89



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: -3.479+/-0.126 χ^2/NDF: 939.5/22

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

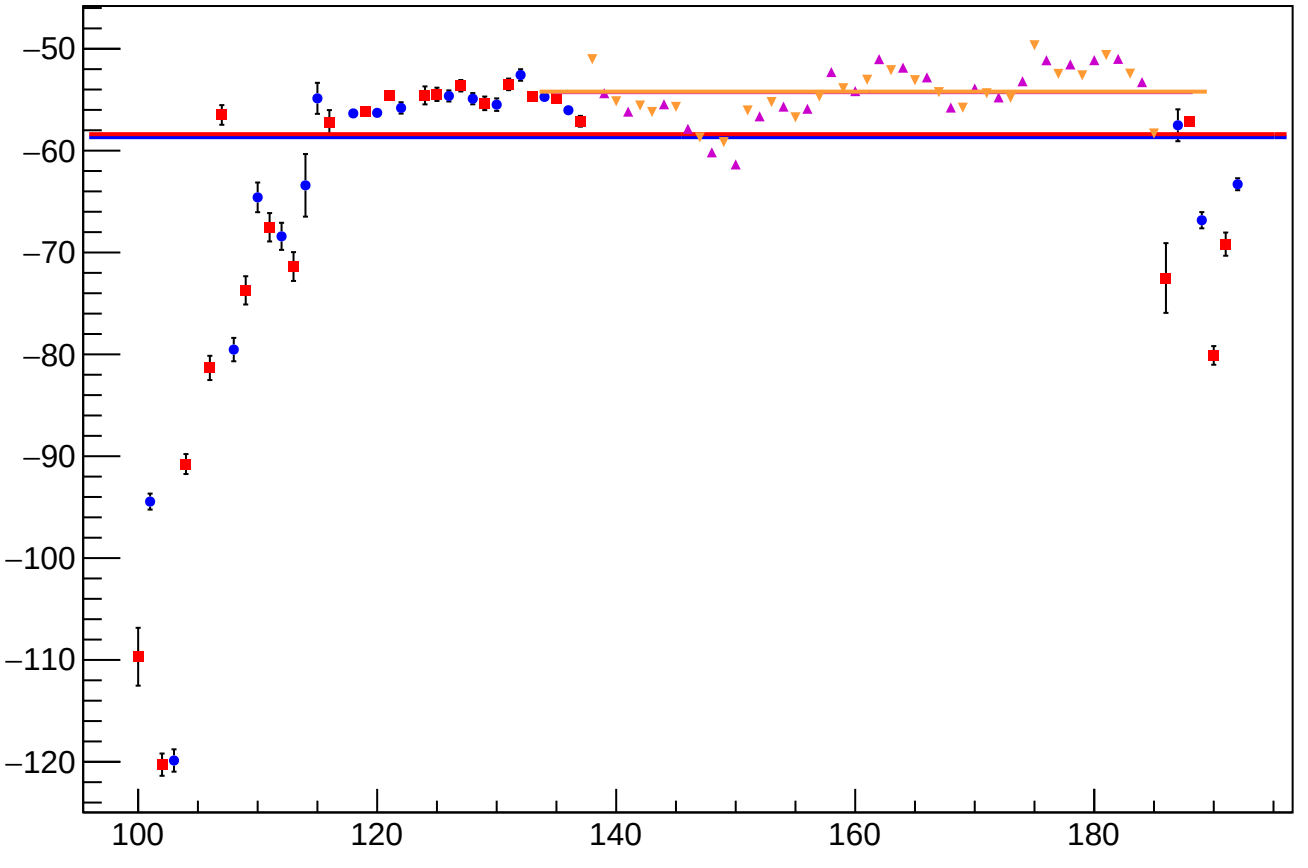
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -3.617+/-0.090 χ^2/NDF: 1558.2/41

In: -7.949+/-0.063 χ^2/NDF:5082.7/41

Out: -8.393+/-0.061 χ^2/NDF:6125.6/47

All: -8.177+/-0.044 χ^2/NDF: 11234.1/89



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: -58.381+/-0.131 χ^2/NDF: 6487.6/22

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

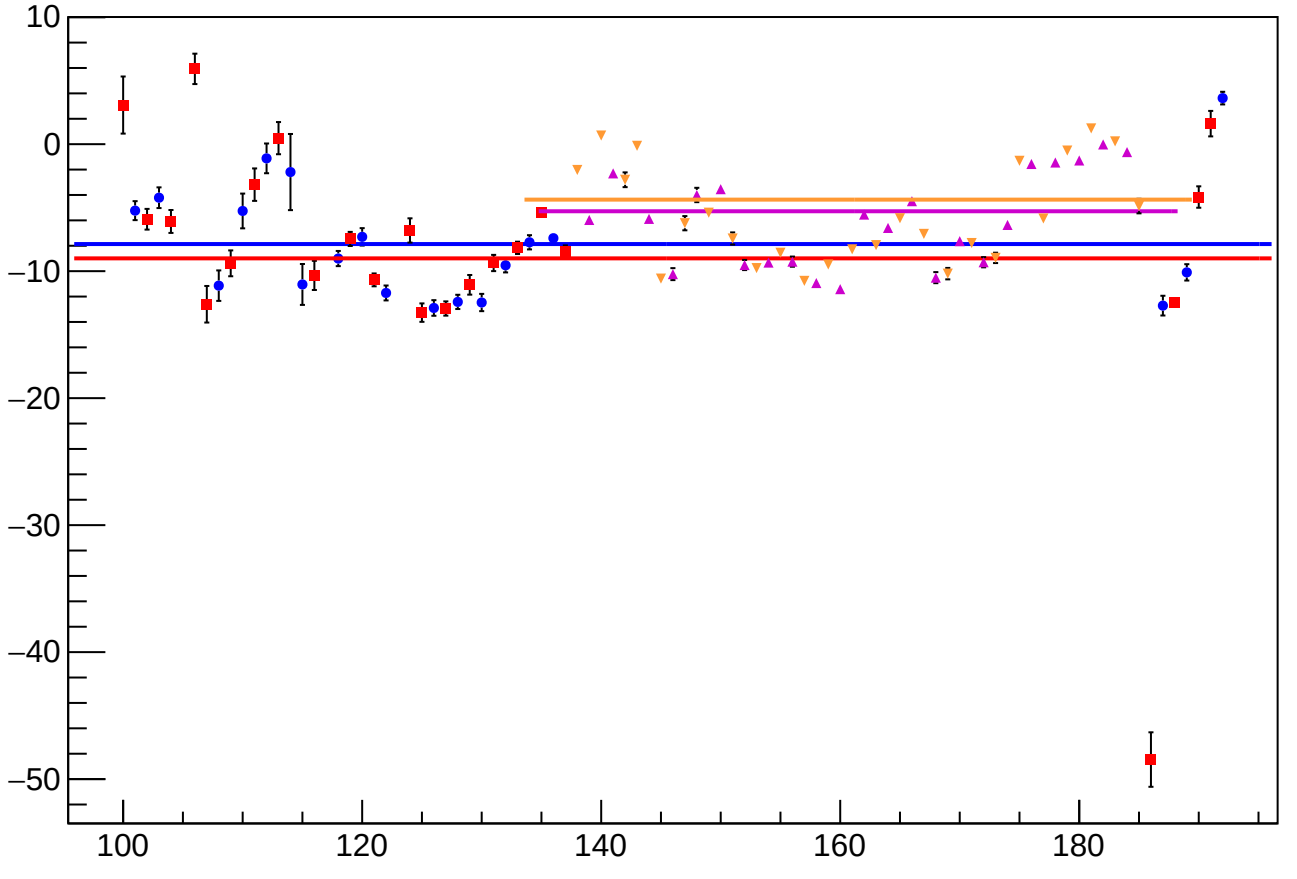
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -58.530+/-0.092 χ^2/NDF: 12796.5/41

In: -54.999+/-0.053 χ^2/NDF:9760.4/41

Out: -54.850+/-0.051 χ^2/NDF:9207.6/47

All: -54.922+/-0.037 χ^2/NDF: 18972.1/89



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: -8.993+/-0.129 χ^2/NDF: 1190.5/22

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

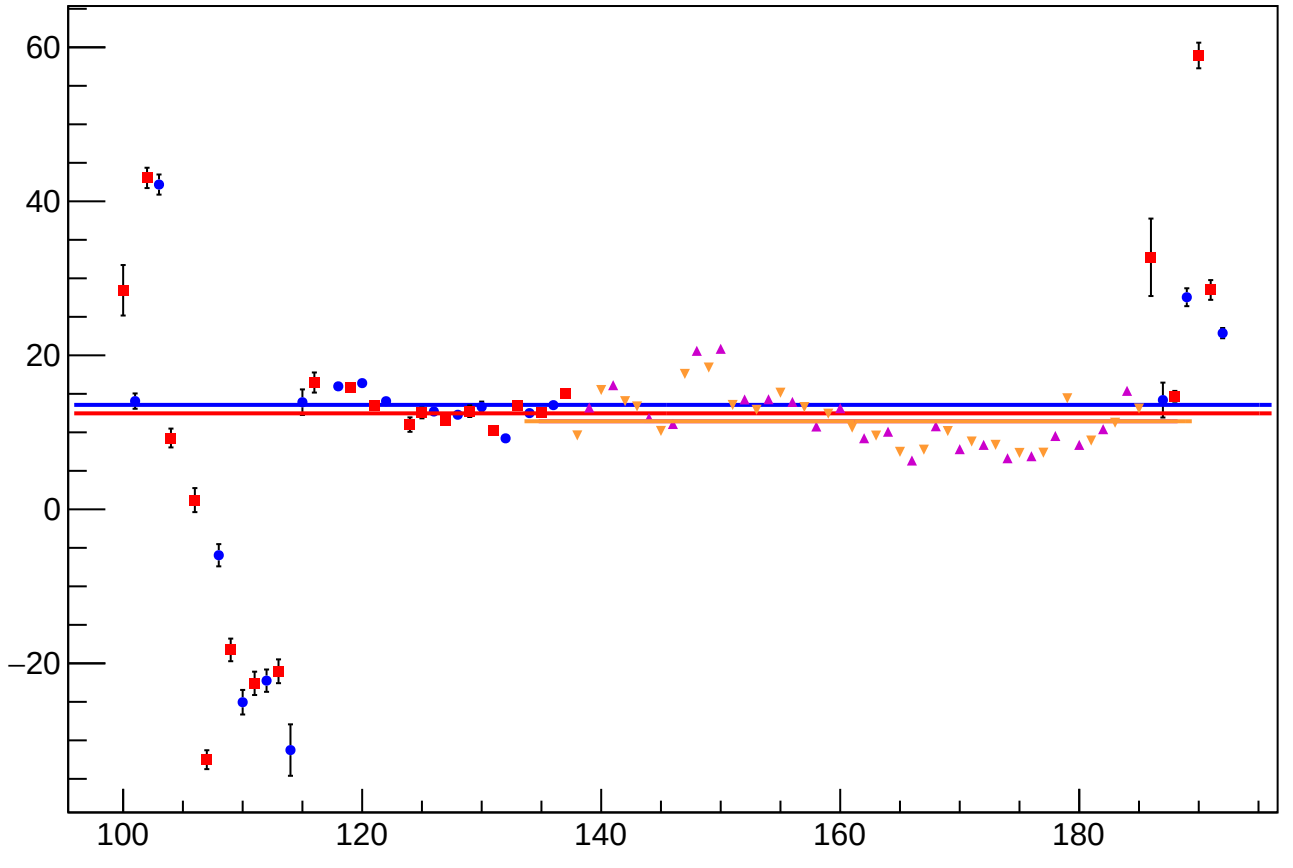
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -8.449+/-0.093 χ^2/NDF: 2134.4/41

In: -5.851+/-0.063 χ^2/NDF:3947.8/41

Out: -5.399+/-0.061 χ^2/NDF:5887.8/47

All: -5.618+/-0.044 χ^2/NDF: 9862.3/89



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: 12.466+/-0.150 χ^2/NDF: 4486.0/22

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

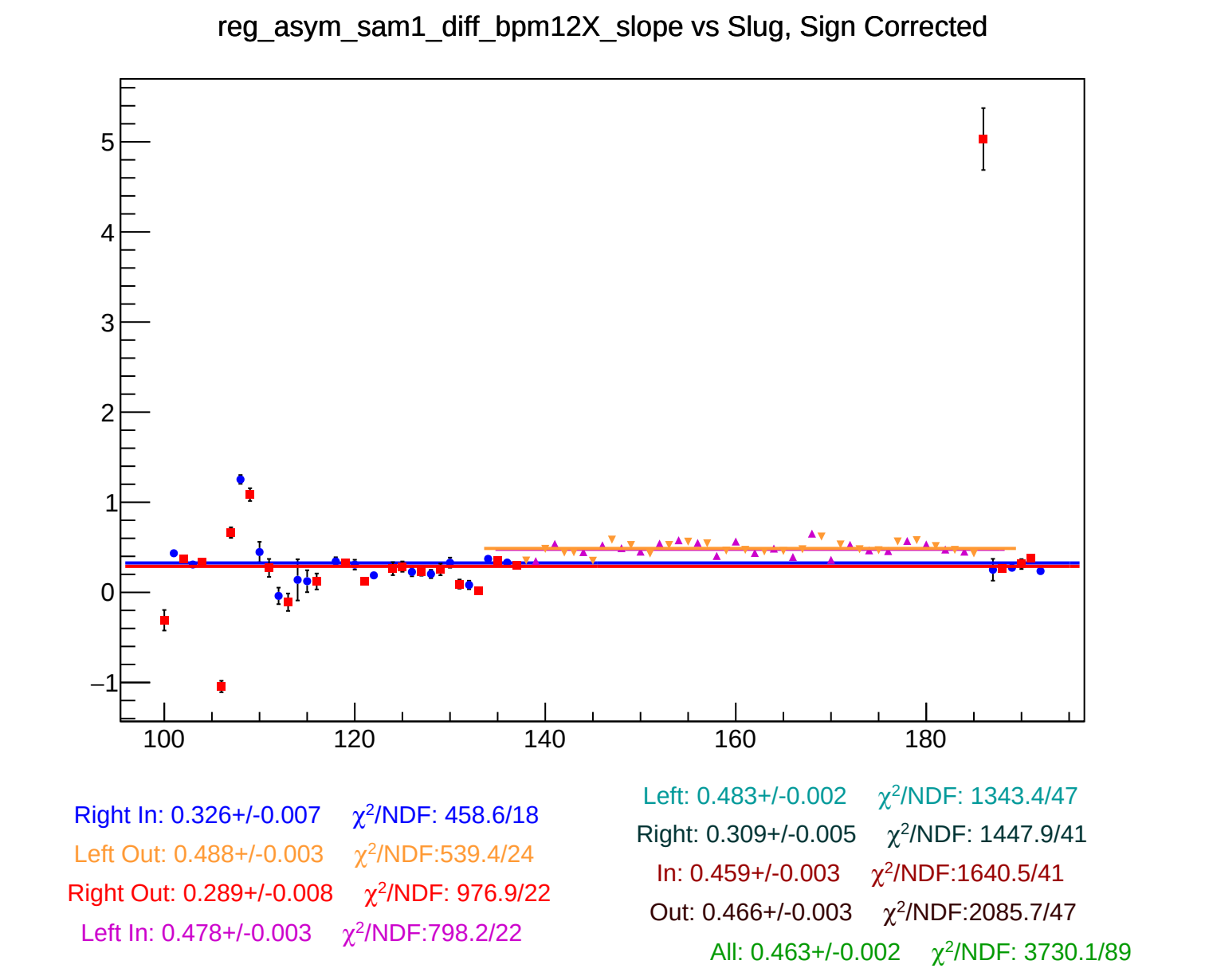
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

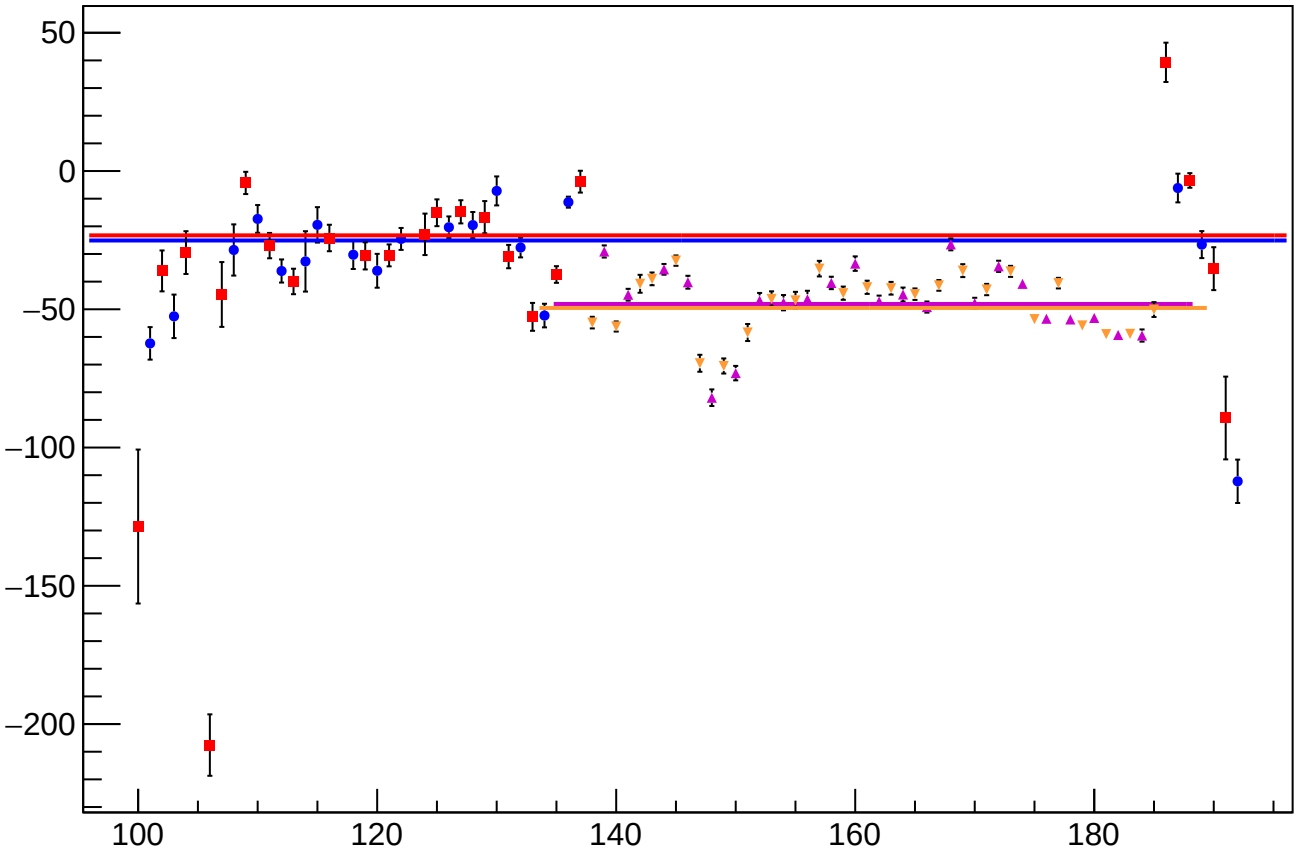
Right: 13.032+/-0.104 χ^2/NDF: 7005.8/41

In: 11.788+/-0.059 χ^2/NDF:6029.6/41

Out: 11.588+/-0.057 χ^2/NDF:6961.9/47

All: 11.686+/-0.041 χ^2/NDF: 12997.4/89


reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
120
140
160
180
Right In: 0.326+/-0.007 χ²/NDF: 458.6/18
Left Out: 0.488+/-0.003 χ²/NDF:539.4/24
Right Out: 0.289+/-0.008 χ²/NDF: 976.9/22
Left In: 0.478+/-0.003 χ²/NDF:798.2/22
Left: 0.483+/-0.002 χ²/NDF: 1343.4/47
Right: 0.309+/-0.005 χ²/NDF: 1447.9/41
In: 0.459+/-0.003 χ²/NDF:1640.5/41
Out: 0.466+/-0.003 χ²/NDF:2085.7/47
All: 0.463+/-0.002 χ²/NDF: 3730.1/89



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: -23.268+/-1.022 χ^2/NDF: 585.9/22

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

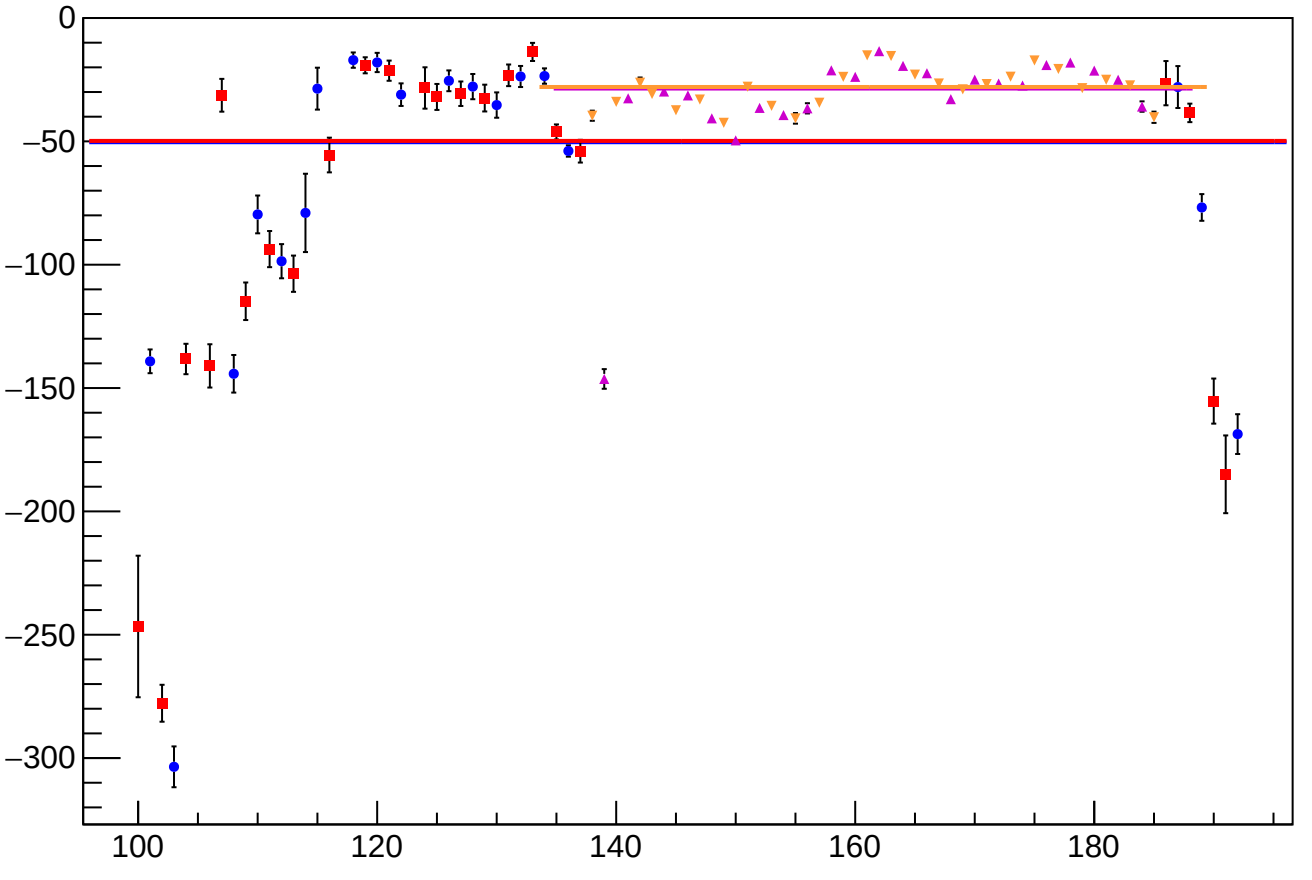
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -24.186+/-0.725 χ^2/NDF: 895.8/41

In: -44.833+/-0.388 χ^2/NDF:1441.2/41

Out: -45.993+/-0.374 χ^2/NDF:1733.5/47

All: -45.433+/-0.269 χ^2/NDF: 3179.2/89



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: -49.819+/-1.108 χ^2/NDF: 1998.1/22

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

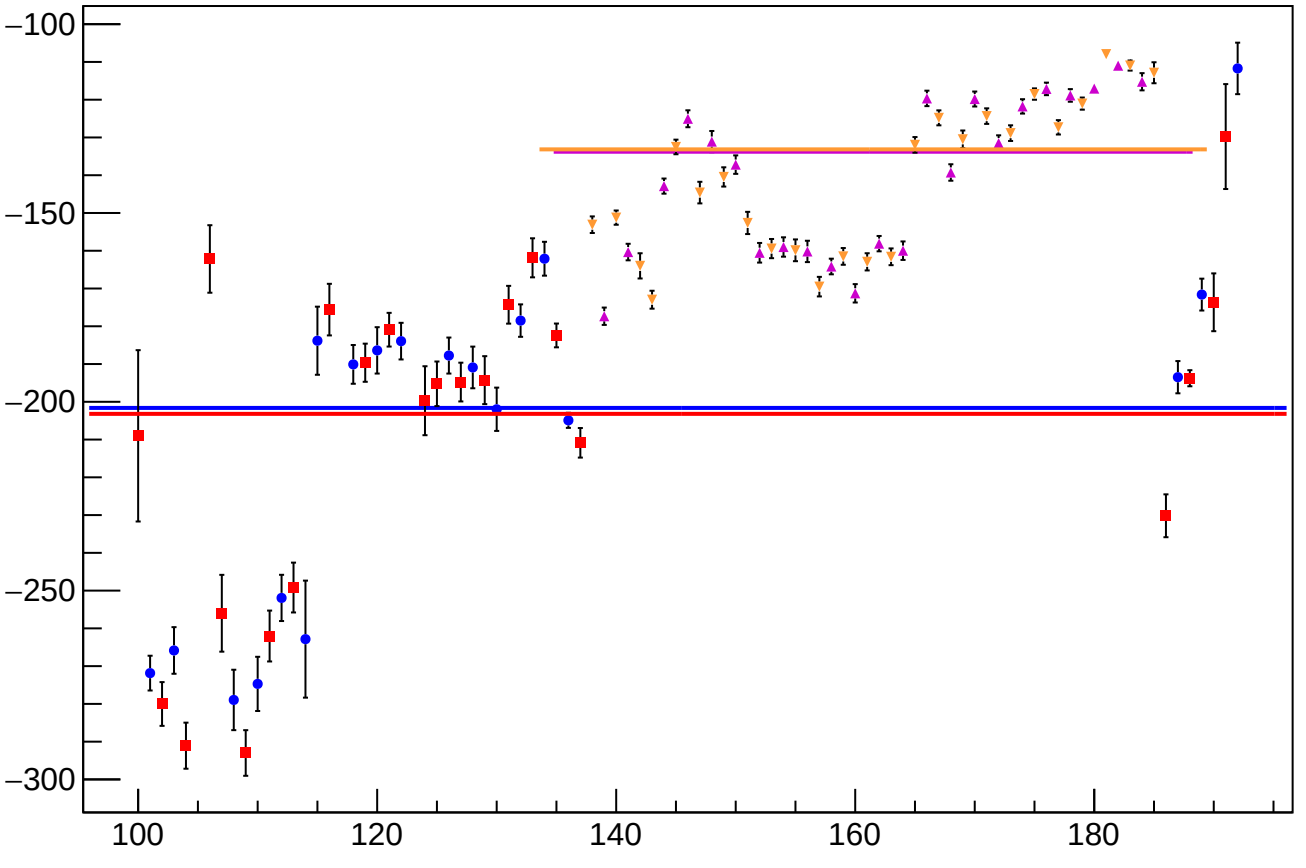
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -50.094+/-0.766 χ^2/NDF: 4124.9/41

In: -30.550+/-0.318 χ^2/NDF:3990.0/41

Out: -29.652+/-0.308 χ^2/NDF:2855.1/47

All: -30.087+/-0.221 χ^2/NDF: 6849.2/89



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: -203.193+/-1.063 χ^2/NDF: 1061.9/22

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

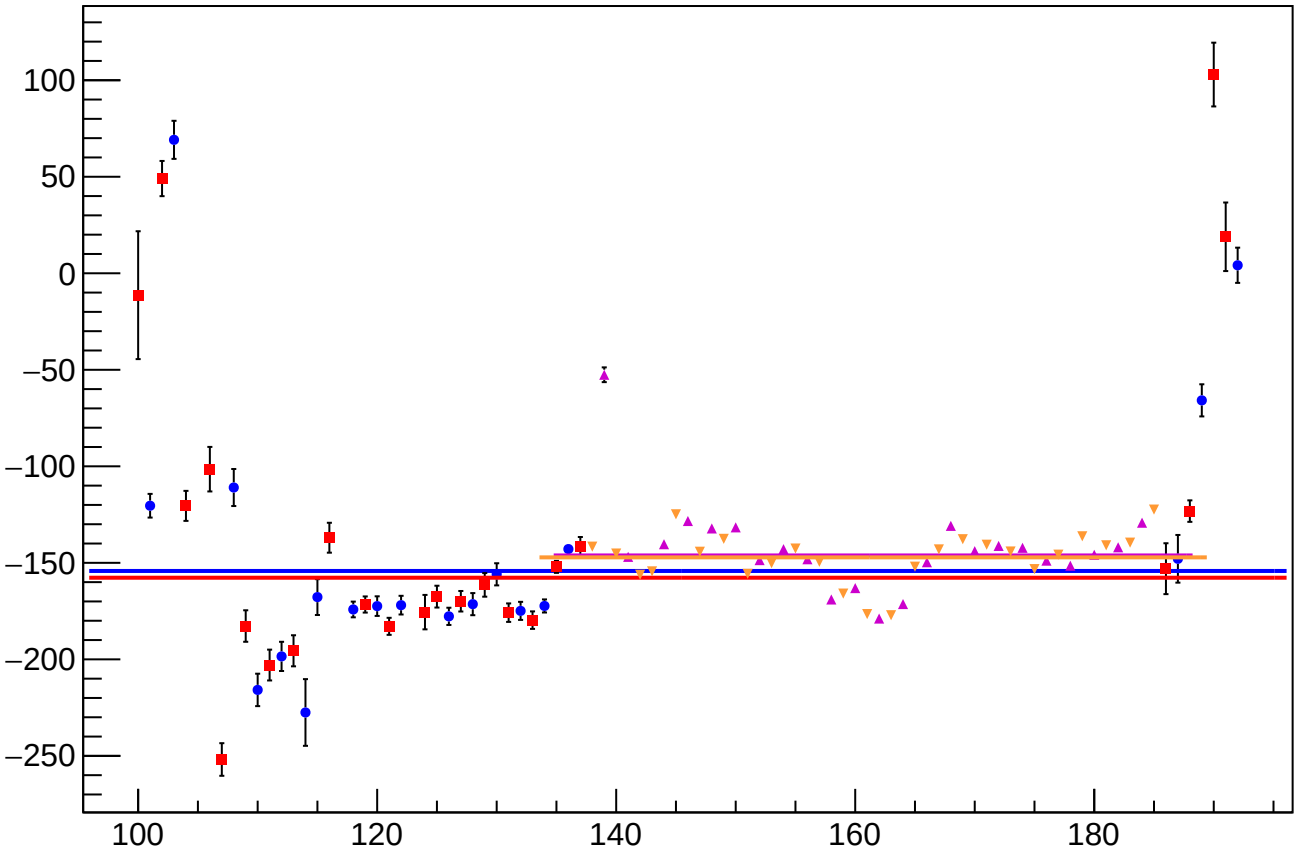
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -202.421+/-0.759 χ^2/NDF: 2062.5/41

In: -142.538+/-0.389 χ^2/NDF:6858.5/41

Out: -141.950+/-0.377 χ^2/NDF:7386.8/47

All: -142.234+/-0.271 χ^2/NDF: 14246.5/89



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: -157.712+/-1.275 χ^2/NDF: 1271.6/22

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

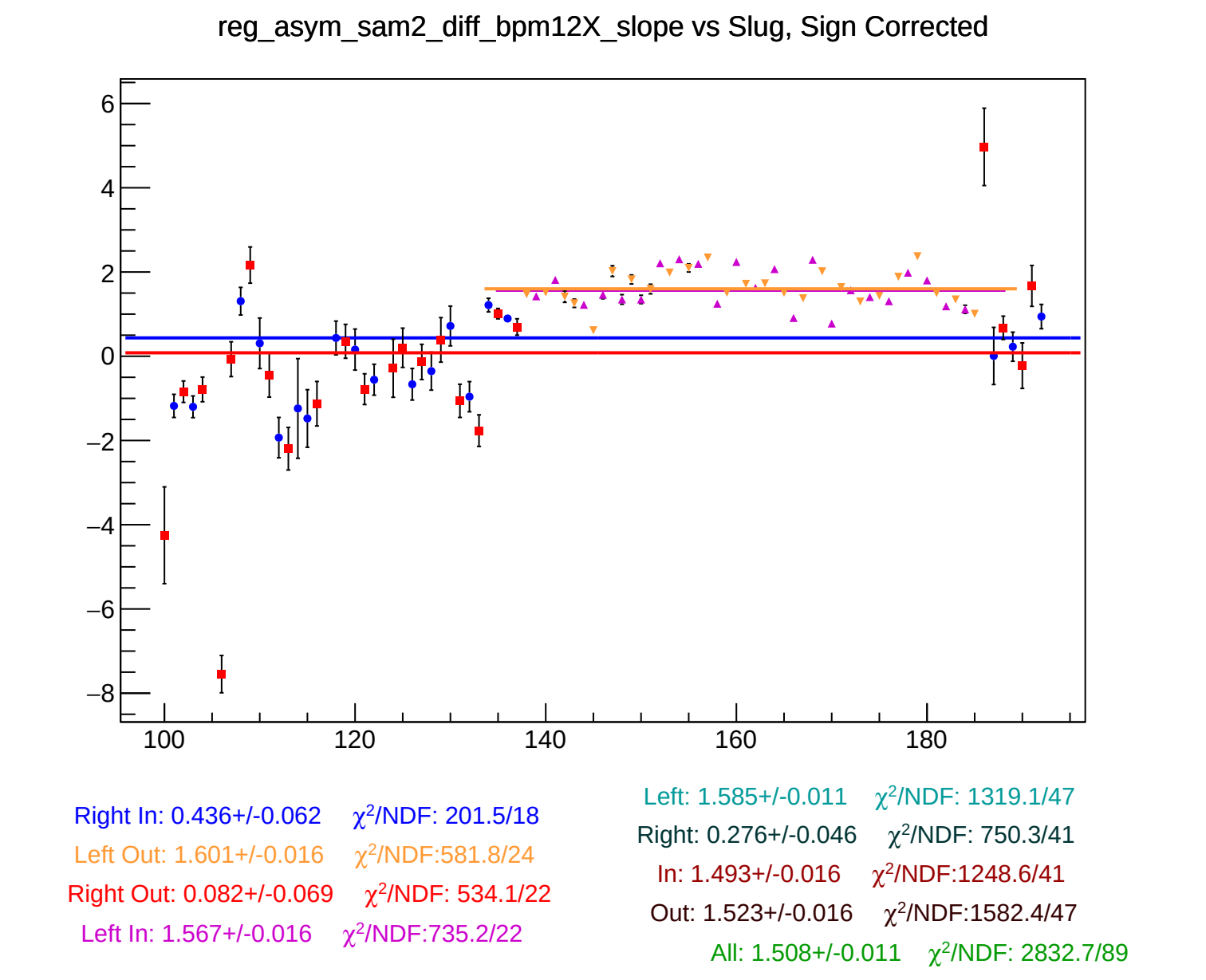
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

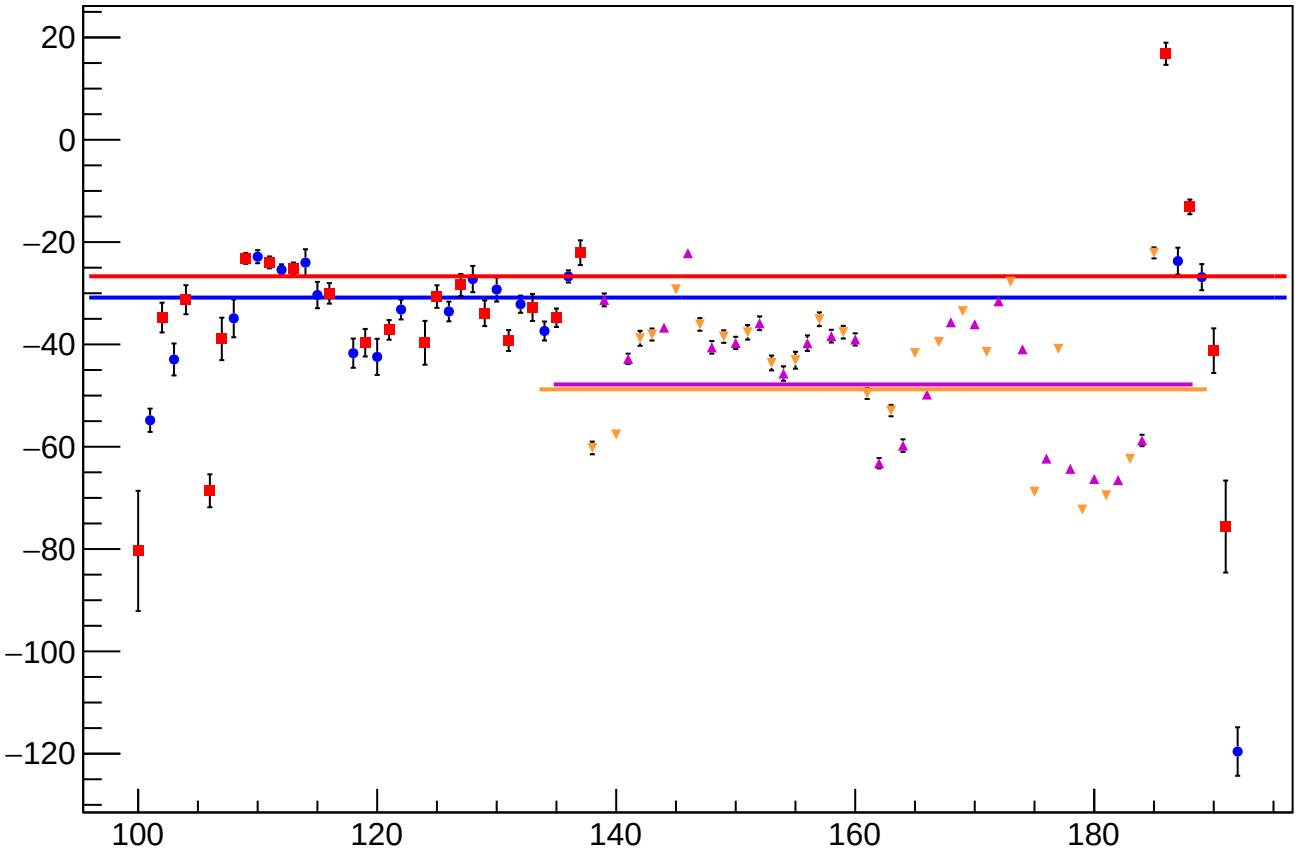
Right: -155.850+/-0.872 χ^2/NDF: 2521.4/41

In: -146.877+/-0.354 χ^2/NDF:3080.8/41

Out: -147.938+/-0.345 χ^2/NDF:2580.6/47

All: -147.421+/-0.247 χ^2/NDF: 5666.0/89


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: 0.082+/-0.069 χ²/NDF: 534.1/22
Left In: 1.567+/-0.016 χ²/NDF:735.2/22
Left: 1.585+/-0.011 χ²/NDF: 1319.1/47
Right: 0.276+/-0.046 χ²/NDF: 750.3/41
In: 1.493+/-0.016 χ²/NDF:1248.6/41
Out: 1.523+/-0.016 χ²/NDF:1582.4/47
All: 1.508+/-0.011 χ²/NDF: 2832.7/89



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: -26.682+/-0.419 χ^2/NDF: 903.6/22

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

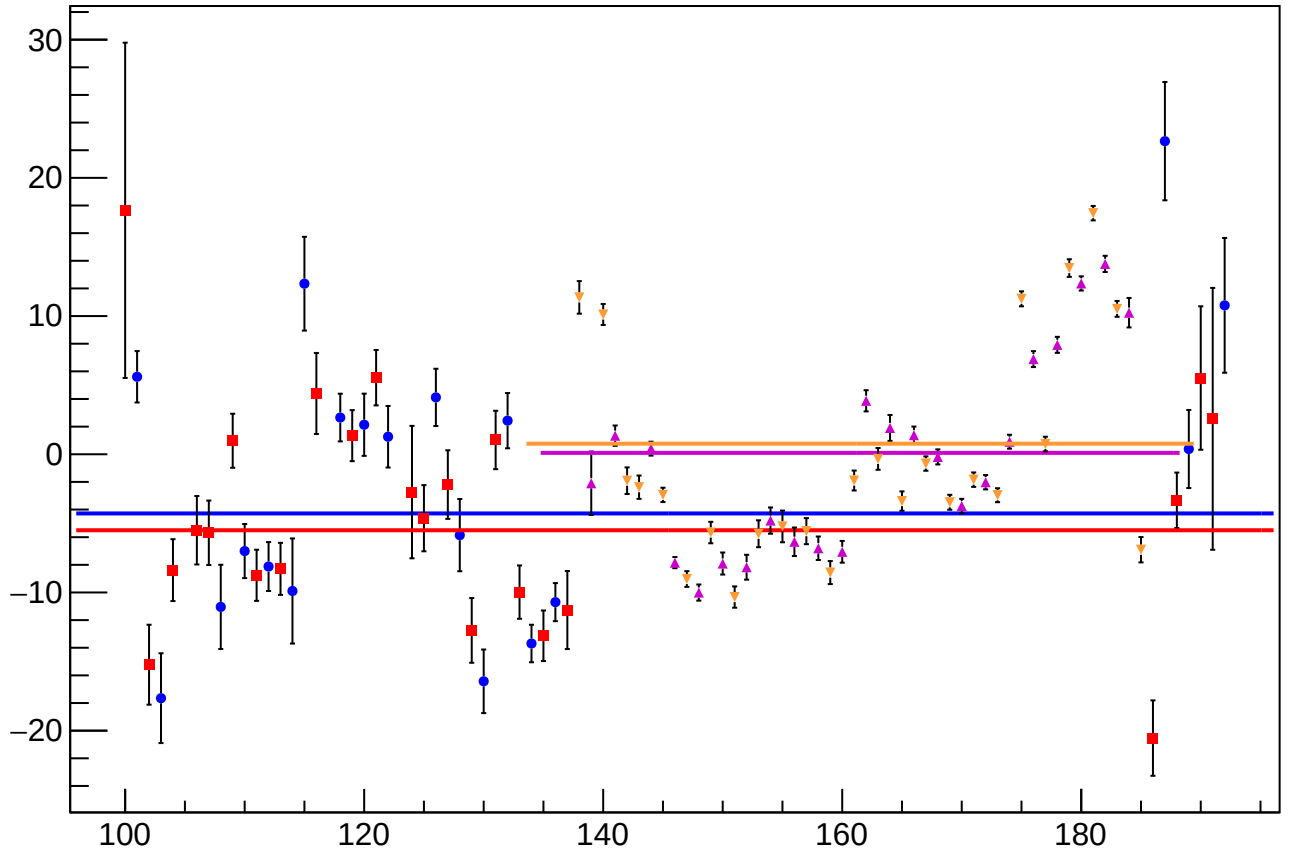
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

Right: -28.610+/-0.307 χ^2/NDF: 1563.9/41

In: -45.711+/-0.159 χ^2/NDF:9078.3/41

Out: -45.764+/-0.155 χ^2/NDF:12256.5/47

All: -45.738+/-0.111 χ^2/NDF: 21334.9/89



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: -5.498+/-0.495 χ^2/NDF: 173.5/22

Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

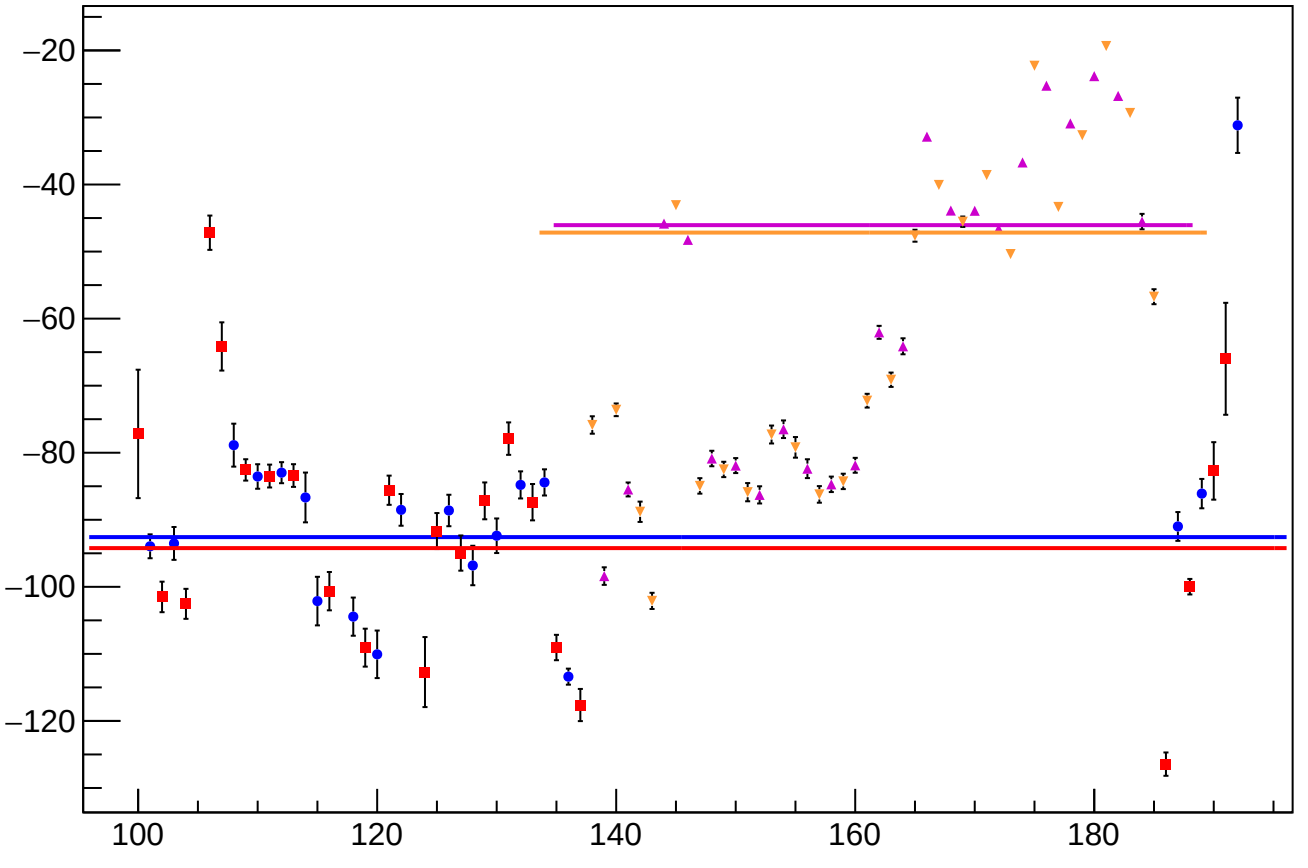
Left: 0.435+/-0.094 χ^2/NDF: 6201.6/47

Right: -4.890+/-0.350 χ^2/NDF: 467.6/41

In: -0.193+/-0.128 χ^2/NDF:3085.9/41

Out: 0.348+/-0.128 χ^2/NDF:3790.1/47

All: 0.079+/-0.091 χ^2/NDF: 6884.9/89



Right In: -92.584+/-0.503 χ^2/NDF: 706.1/18

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -94.225+/-0.470 χ^2/NDF: 1232.6/22

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

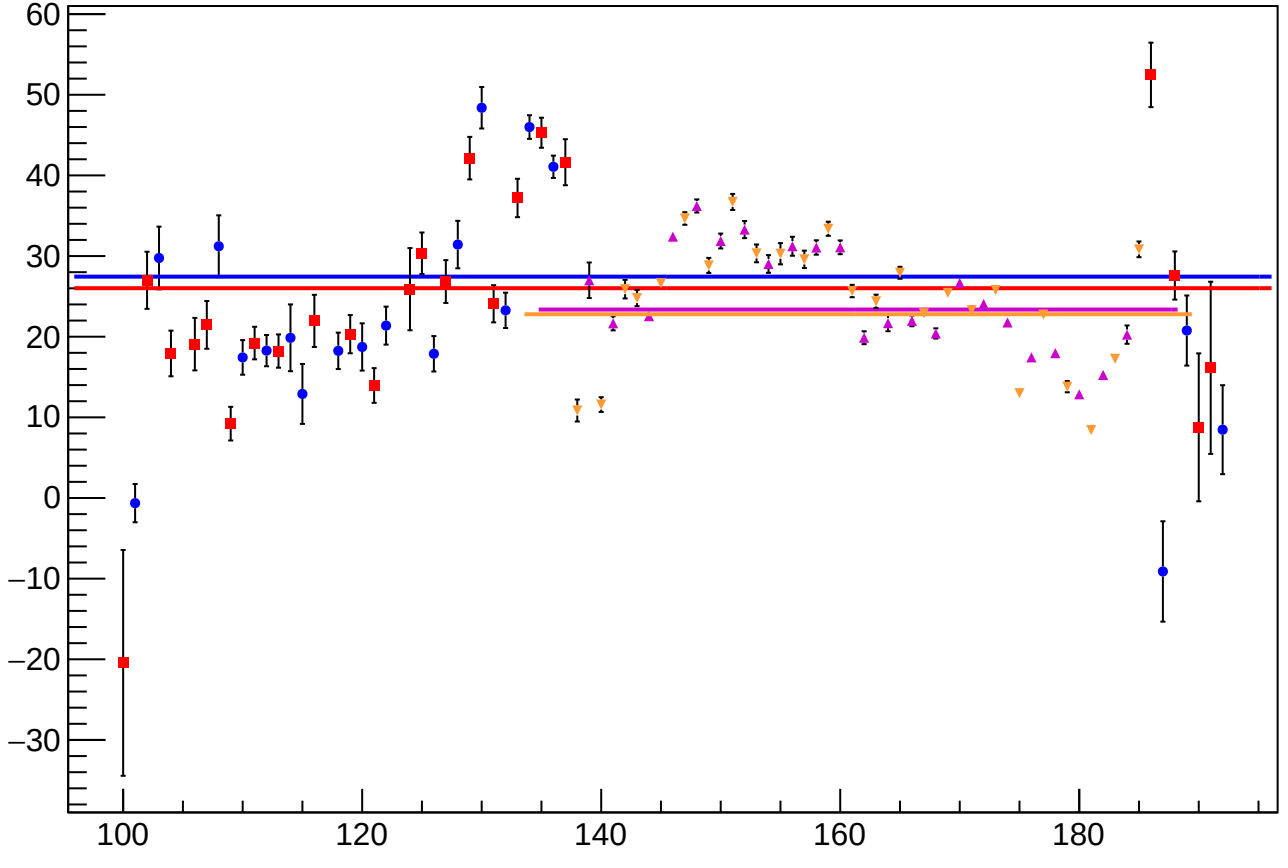
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -93.461+/-0.343 χ^2/NDF: 1944.5/41

In: -50.835+/-0.161 χ^2/NDF:23151.3/41

Out: -52.483+/-0.158 χ^2/NDF:27802.0/47

All: -51.676+/-0.113 χ^2/NDF: 51006.7/89



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: 26.014+/-0.571 χ^2/NDF: 403.9/22

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

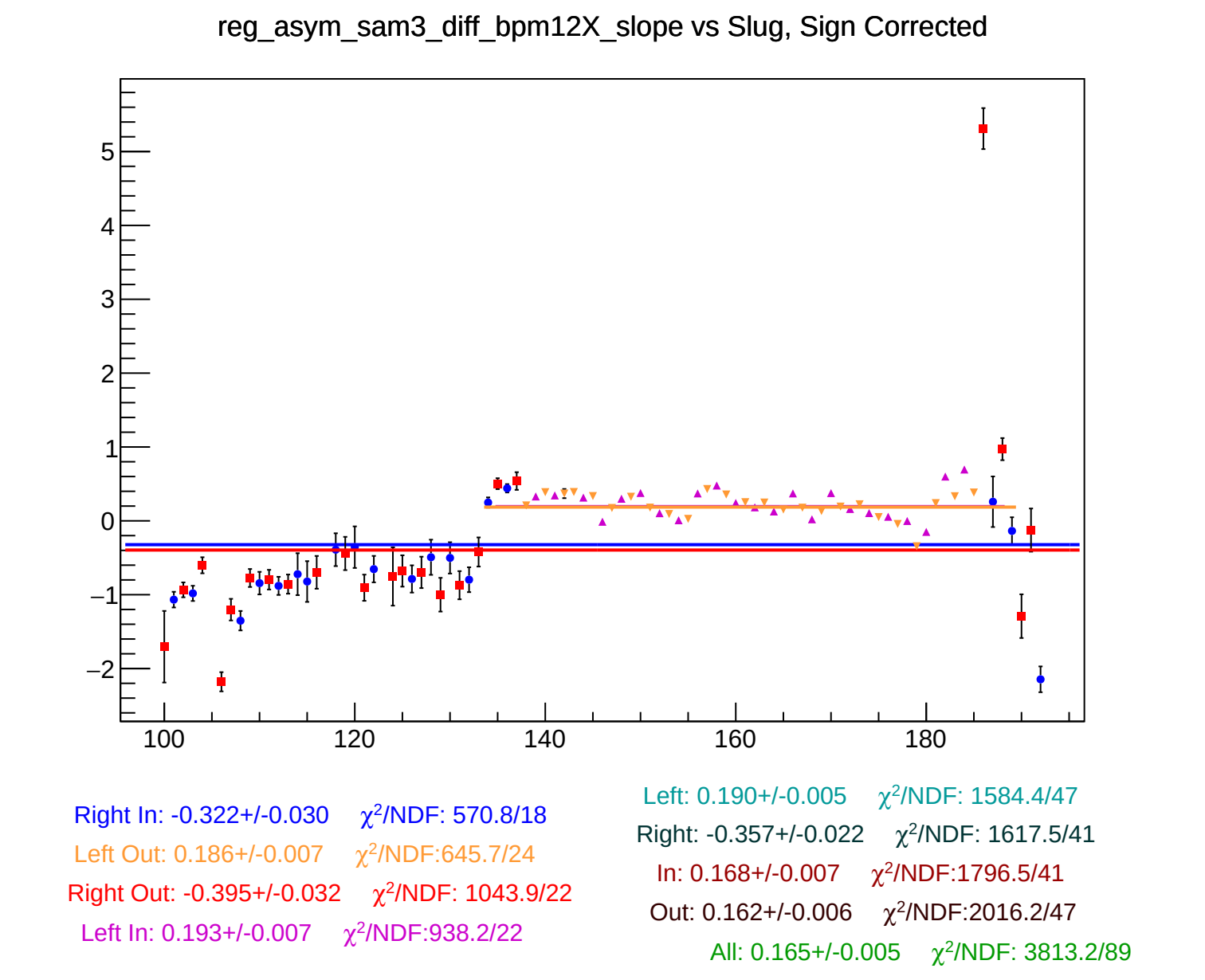
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 26.746+/-0.400 χ^2/NDF: 1040.1/41

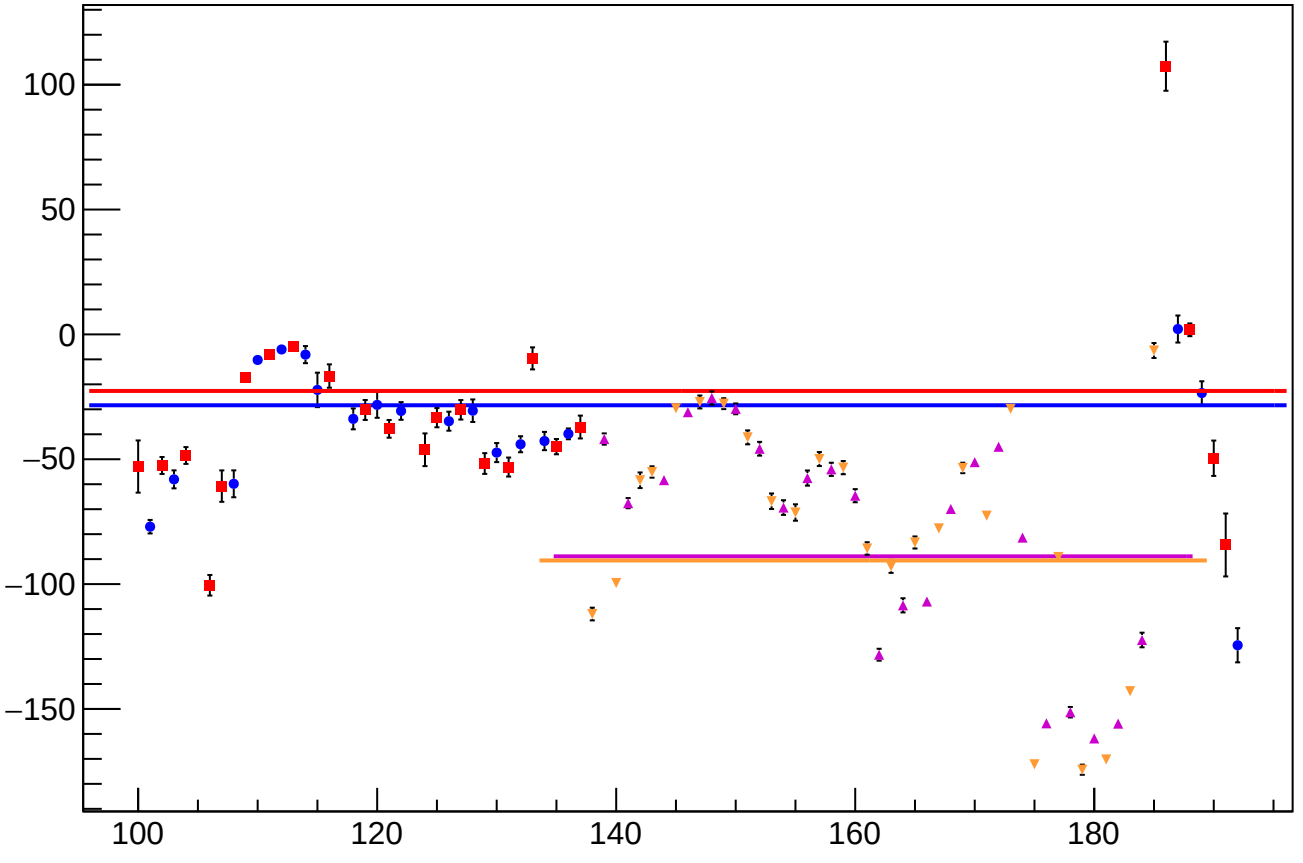
In: 23.636+/-0.144 χ^2/NDF:2468.2/41

Out: 22.983+/-0.143 χ^2/NDF:2846.9/47

All: 23.307+/-0.101 χ^2/NDF: 5325.4/89


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: -0.395+/-0.032 χ²/NDF: 1043.9/22
Left In: 0.193+/-0.007 χ²/NDF:938.2/22
Left: 0.190+/-0.005 χ²/NDF: 1584.4/47
Right: -0.357+/-0.022 χ²/NDF: 1617.5/41
In: 0.168+/-0.007 χ²/NDF:1796.5/41
Out: 0.162+/-0.006 χ²/NDF:2016.2/47
All: 0.165+/-0.005 χ²/NDF: 3813.2/89

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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: -22.647+/-0.637 χ^2/NDF: 1302.9/22

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

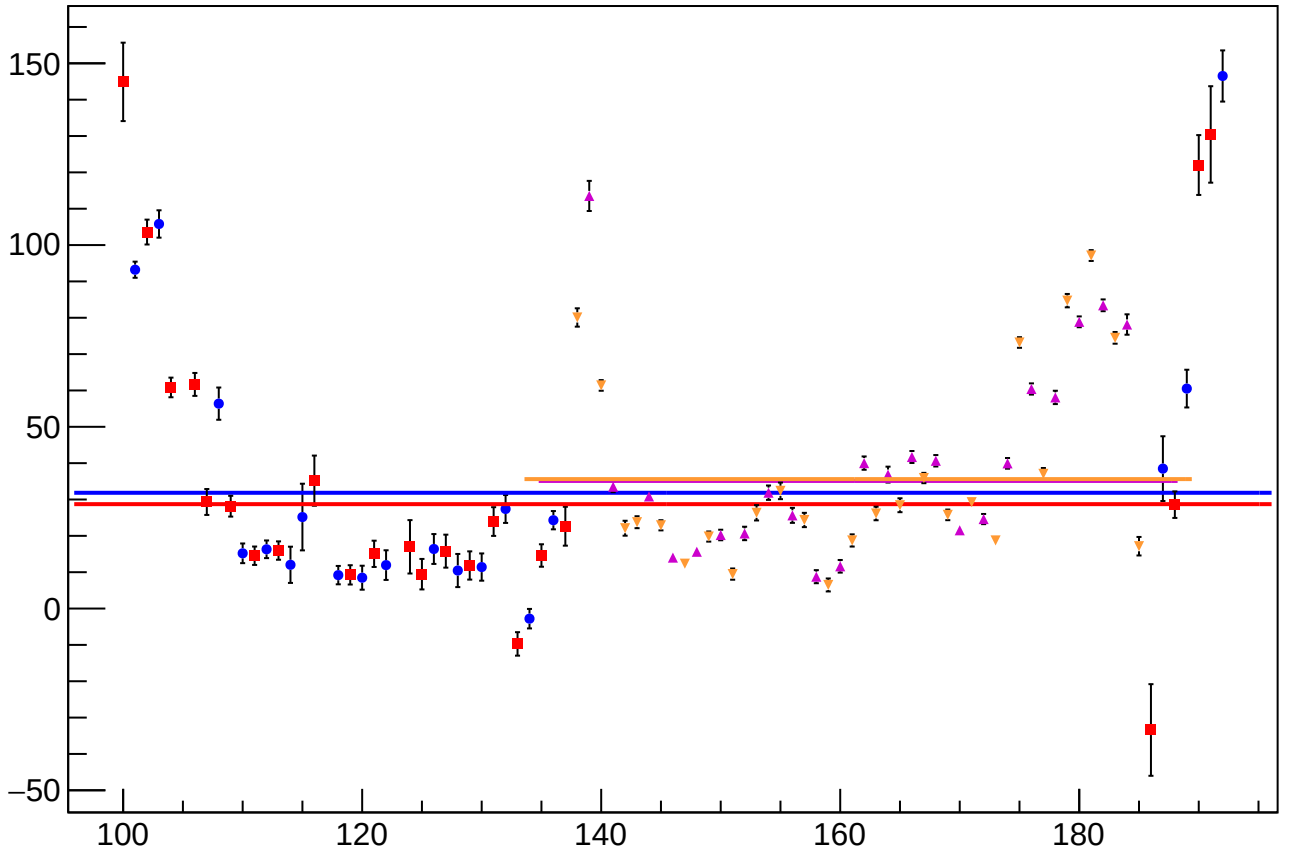
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -25.209+/-0.474 χ^2/NDF: 2463.9/41

In: -72.367+/-0.370 χ^2/NDF:18234.9/41

Out: -69.867+/-0.351 χ^2/NDF:24566.7/47

All: -71.051+/-0.255 χ^2/NDF: 42825.6/89



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: 28.722+/-0.772 χ^2/NDF: 1398.1/22

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

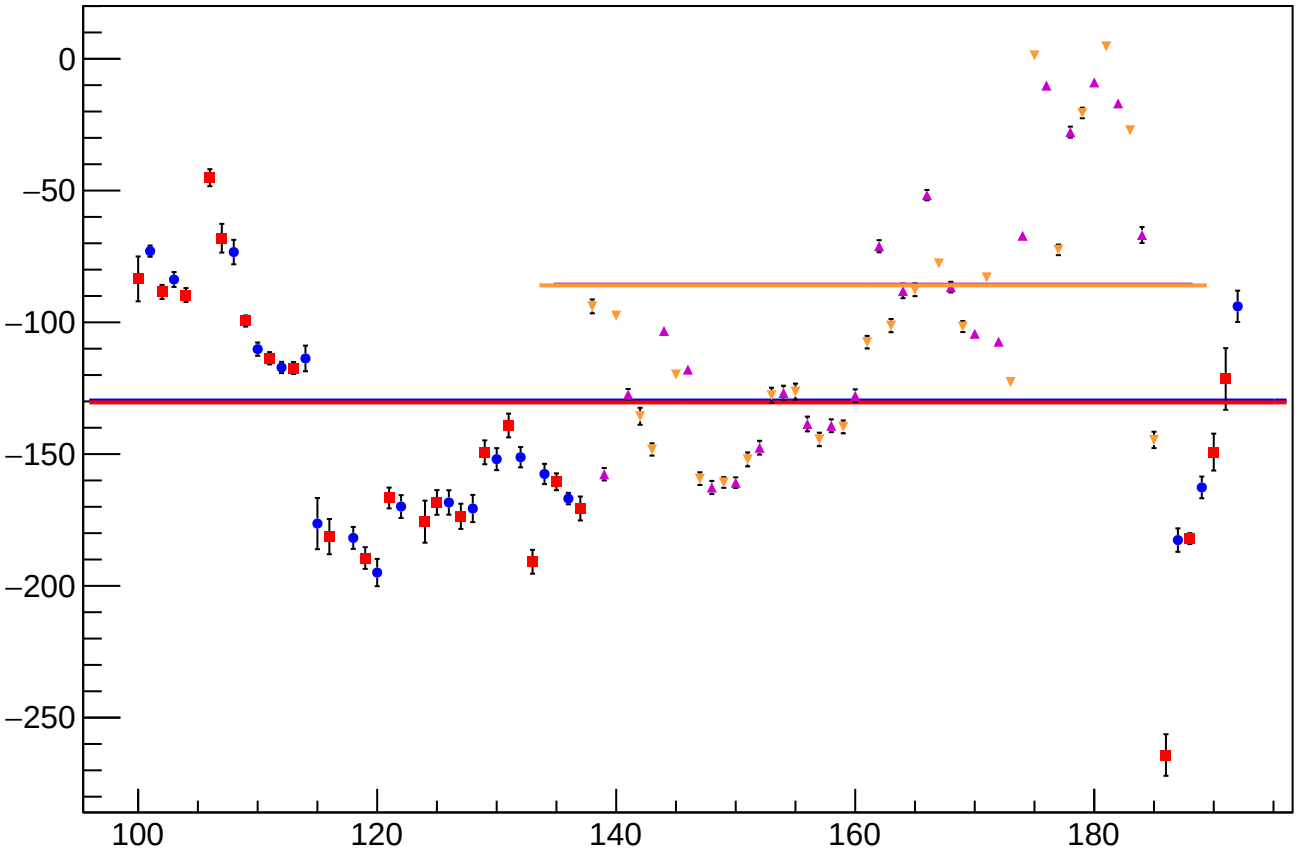
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 30.251+/-0.552 χ^2/NDF: 3375.9/41

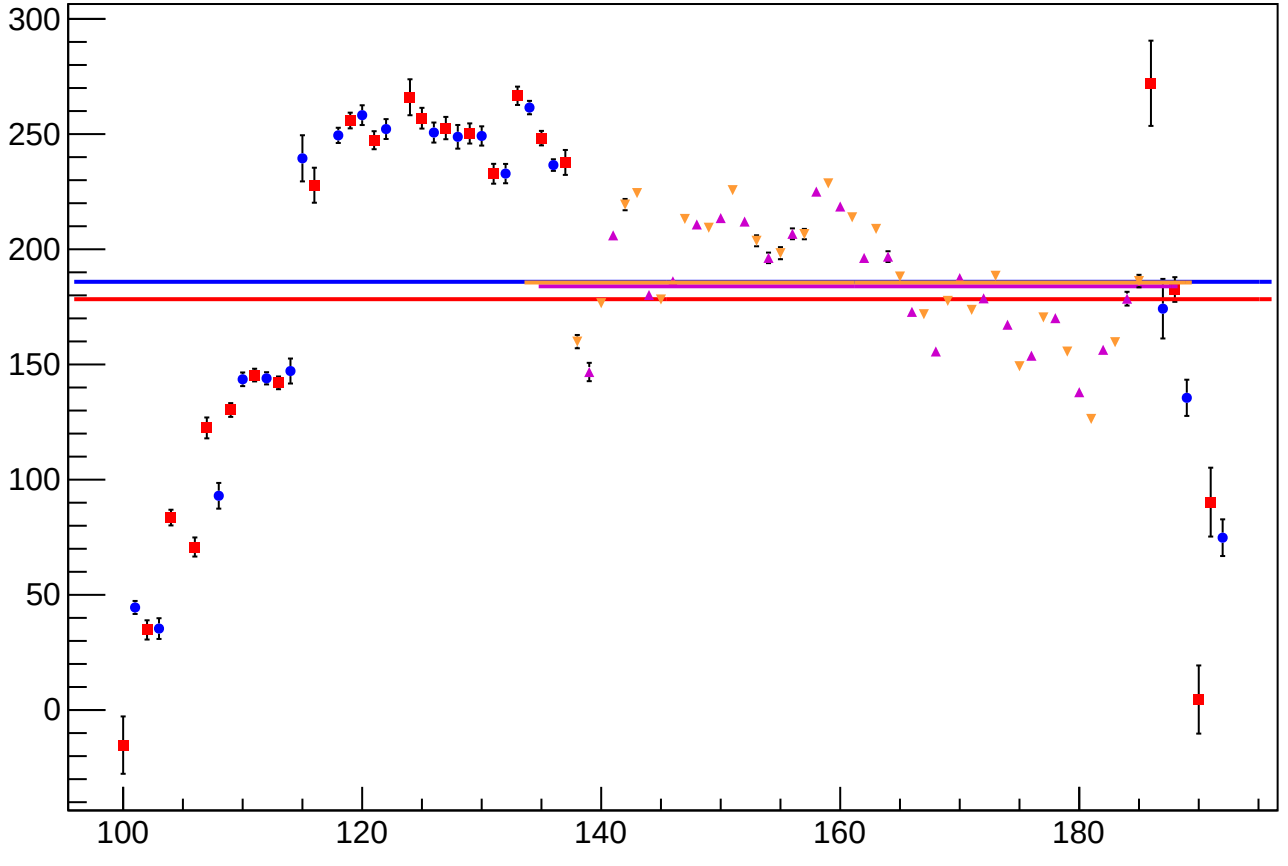
In: 34.610+/-0.309 χ^2/NDF:6128.7/41

Out: 34.571+/-0.300 χ^2/NDF:7438.7/47

All: 34.590+/-0.215 χ^2/NDF: 13567.3/89


reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
100
120
140
160
180
Right In: -129.674+/-0.793 χ²/NDF: 2428.8/18
Left Out: -85.969+/-0.421 χ²/NDF:16232.5/24
Right Out: -130.391+/-0.735 χ²/NDF: 3457.3/22
Left In: -85.705+/-0.432 χ²/NDF:13758.7/22
Left: -85.841+/-0.302 χ²/NDF: 29991.4/47
Right: -130.059+/-0.539 χ²/NDF: 5886.5/41
In: -95.791+/-0.380 χ²/NDF:18558.5/41
Out: -96.933+/-0.365 χ²/NDF:22440.1/47
All: -96.384+/-0.263 χ²/NDF: 41003.3/89

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 178.338+/-0.891 χ^2/NDF: 6868.2/22

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

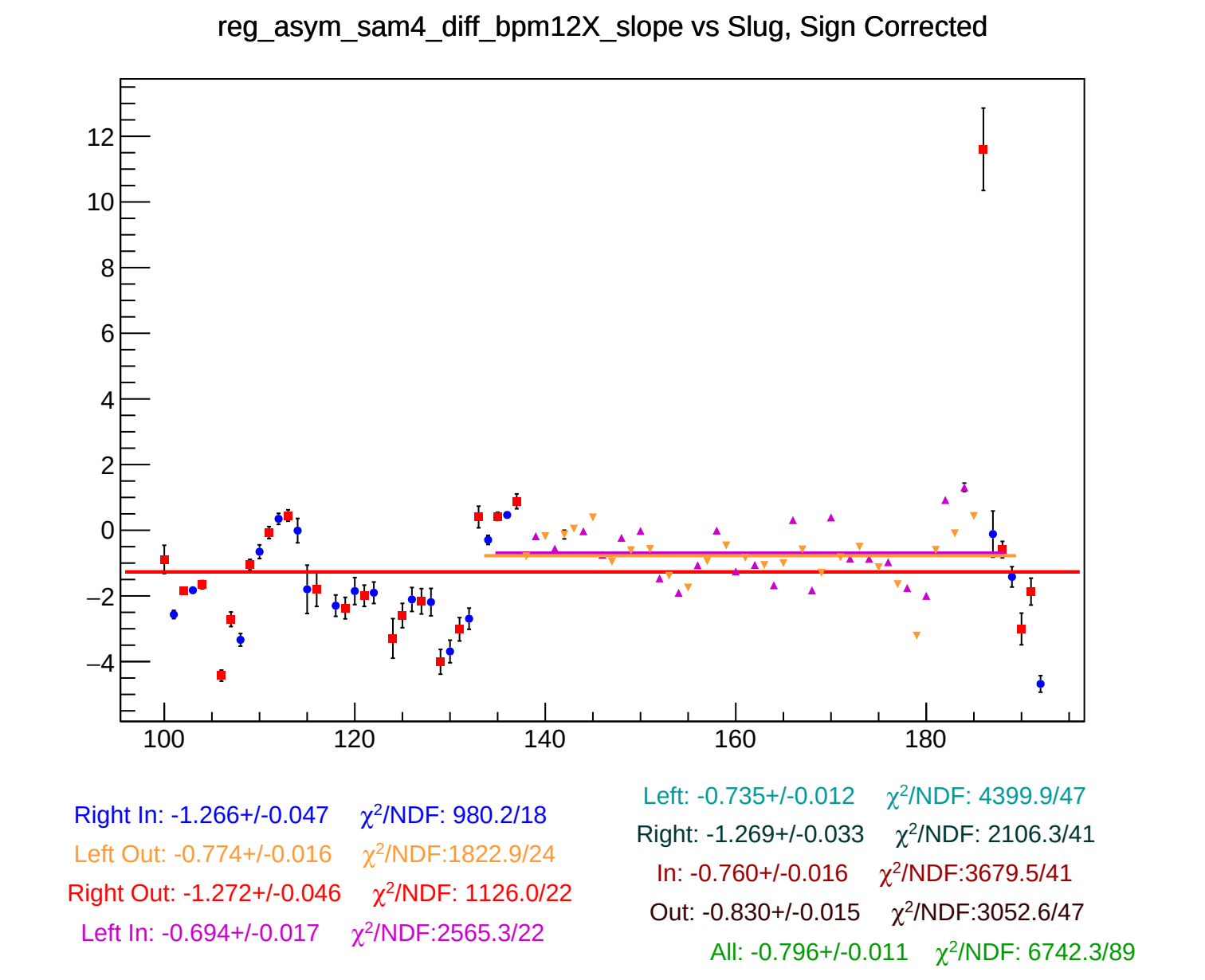
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 182.058+/-0.634 χ^2/NDF: 14264.4/41

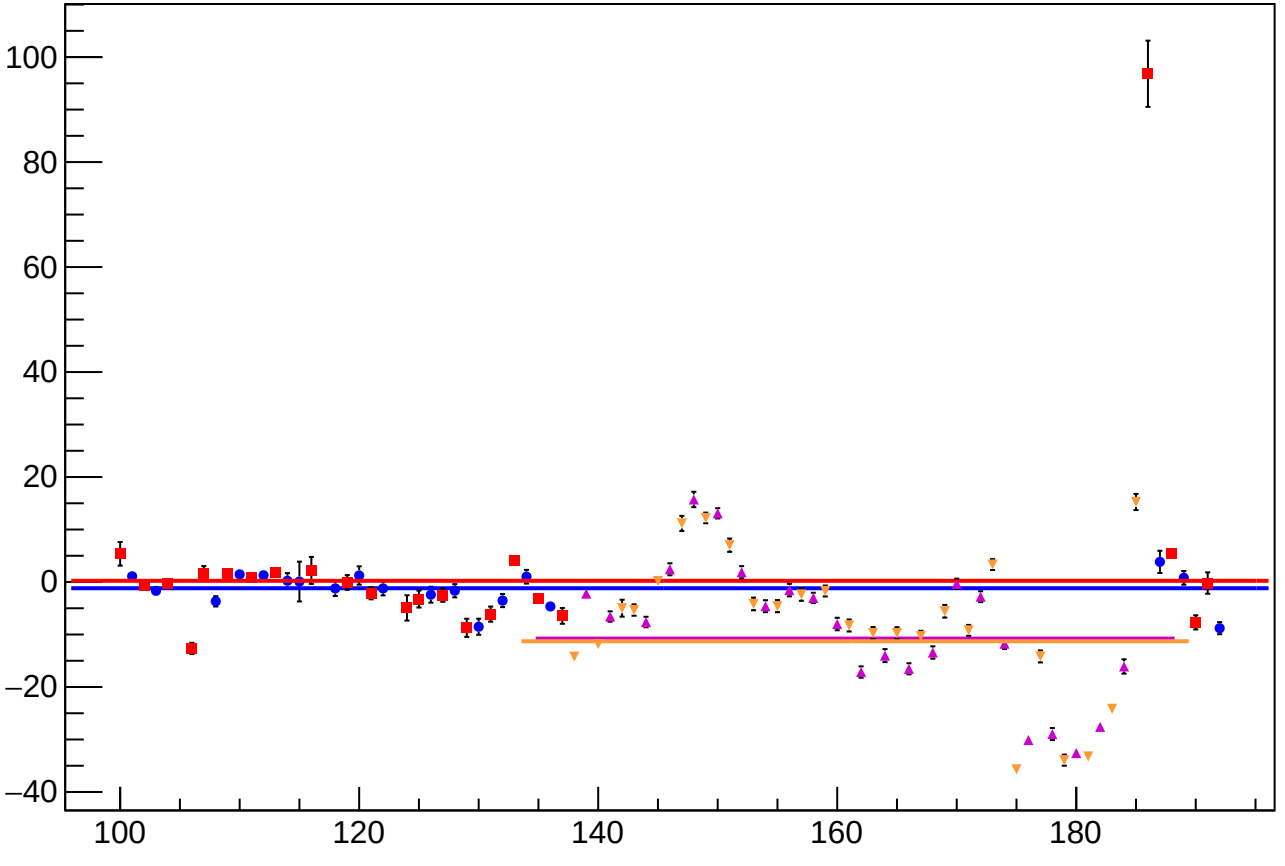
In: 184.229+/-0.348 χ^2/NDF:11238.3/41

Out: 184.534+/-0.339 χ^2/NDF:12279.5/47

All: 184.385+/-0.243 χ^2/NDF: 23518.1/89


reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected
12
10
8
6
4
2
0
−2
−4
100
120
140
160
180
Right In: -1.266+/-0.047 χ²/NDF: 980.2/18
Left Out: -0.774+/-0.016 χ²/NDF:1822.9/24
Right Out: -1.272+/-0.046 χ²/NDF: 1126.0/22
Left In: -0.694+/-0.017 χ²/NDF:2565.3/22
Left: -0.735+/-0.012 χ²/NDF: 4399.9/47
Right: -1.269+/-0.033 χ²/NDF: 2106.3/41
In: -0.760+/-0.016 χ²/NDF:3679.5/41
Out: -0.830+/-0.015 χ²/NDF:3052.6/47
All: -0.796+/-0.011 χ²/NDF: 6742.3/89

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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: 0.229+/-0.207 χ^2/NDF: 629.8/22

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

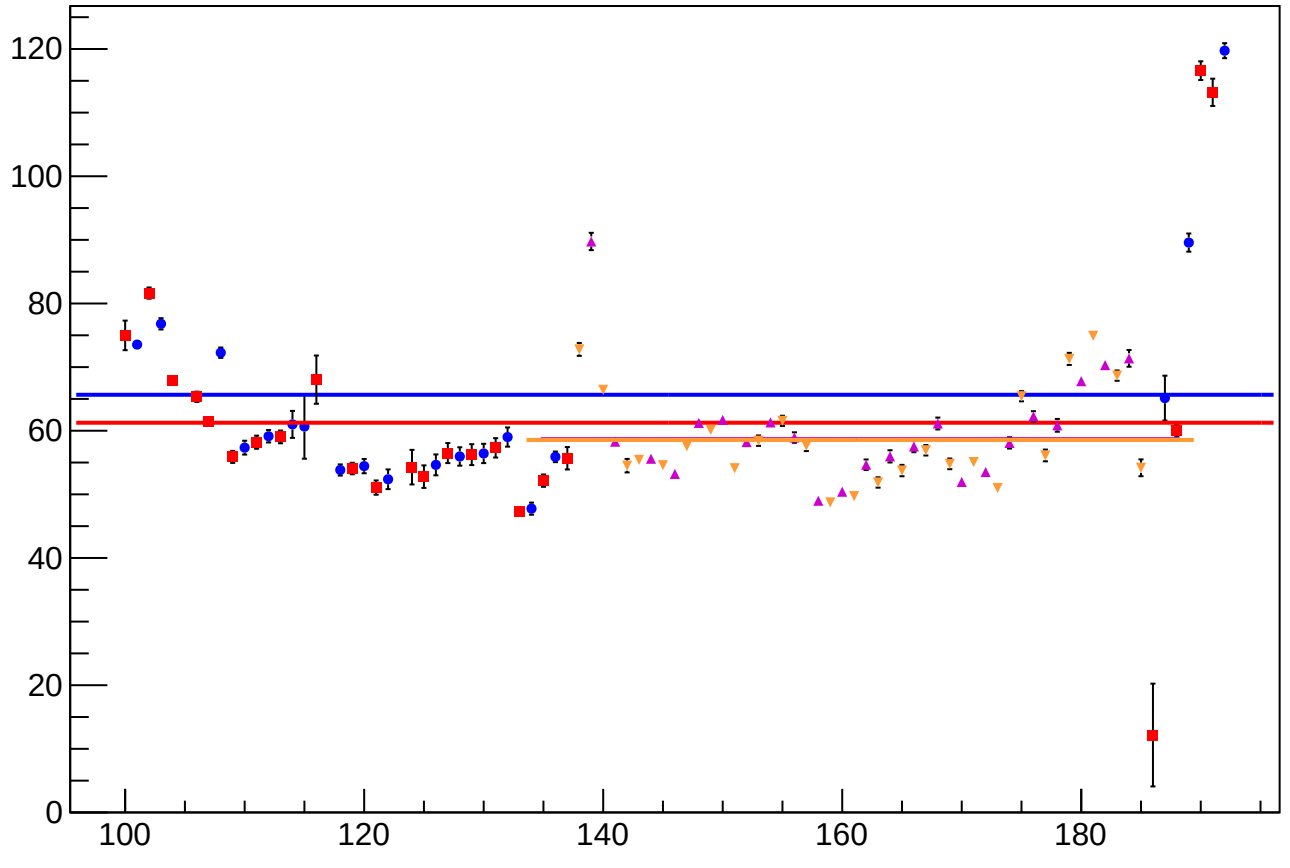
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -0.370+/-0.157 χ^2/NDF: 805.4/41

In: -6.569+/-0.160 χ^2/NDF:4741.0/41

Out: -5.490+/-0.147 χ^2/NDF:6672.0/47

All: -5.983+/-0.108 χ^2/NDF: 11437.8/89



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: 61.257+/-0.231 χ^2/NDF: 3517.9/22

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

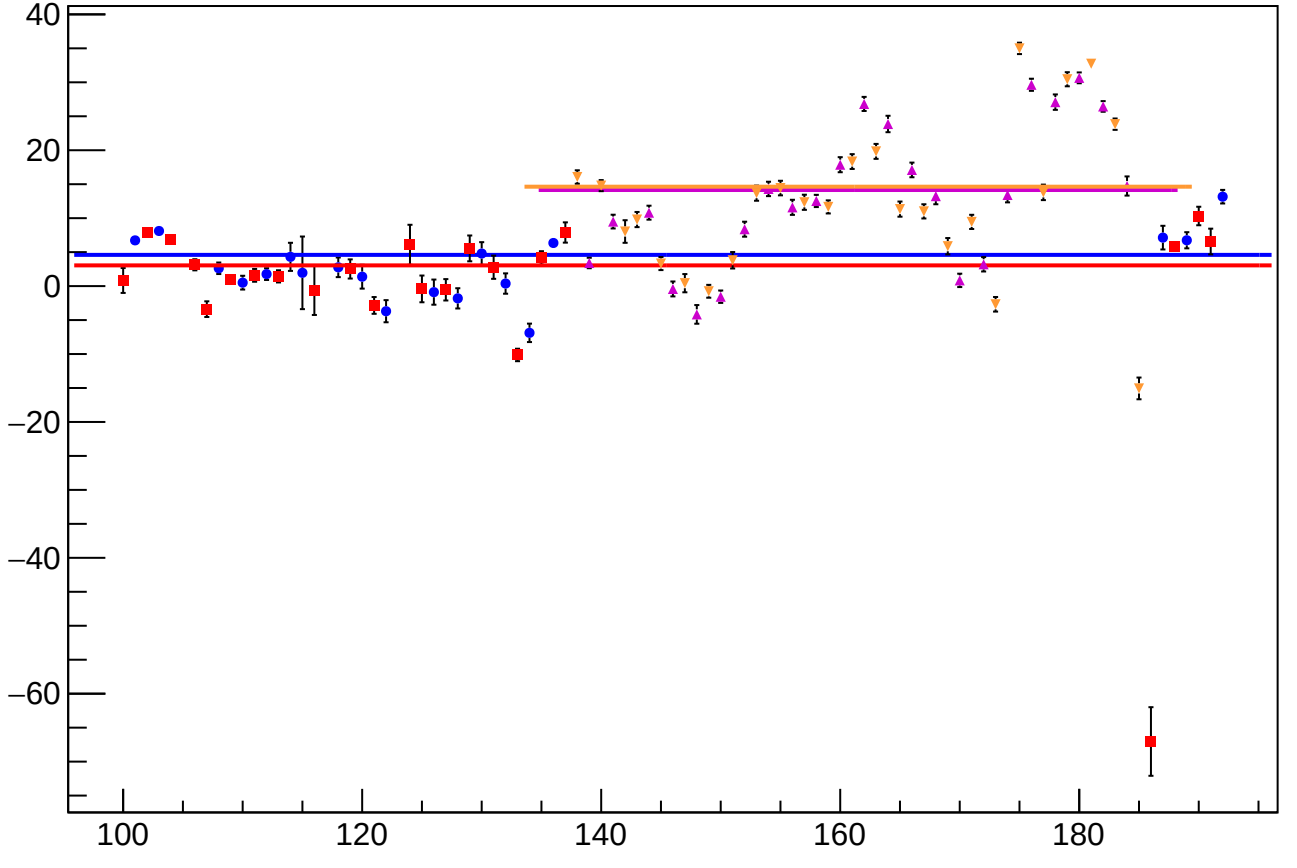
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 63.250+/-0.171 χ^2/NDF: 7543.6/41

In: 60.806+/-0.140 χ^2/NDF:5999.0/41

Out: 59.434+/-0.132 χ^2/NDF:5512.6/47

All: 60.080+/-0.096 χ^2/NDF: 11562.2/89



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: 3.050+/-0.217 χ^2/NDF: 636.7/22

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

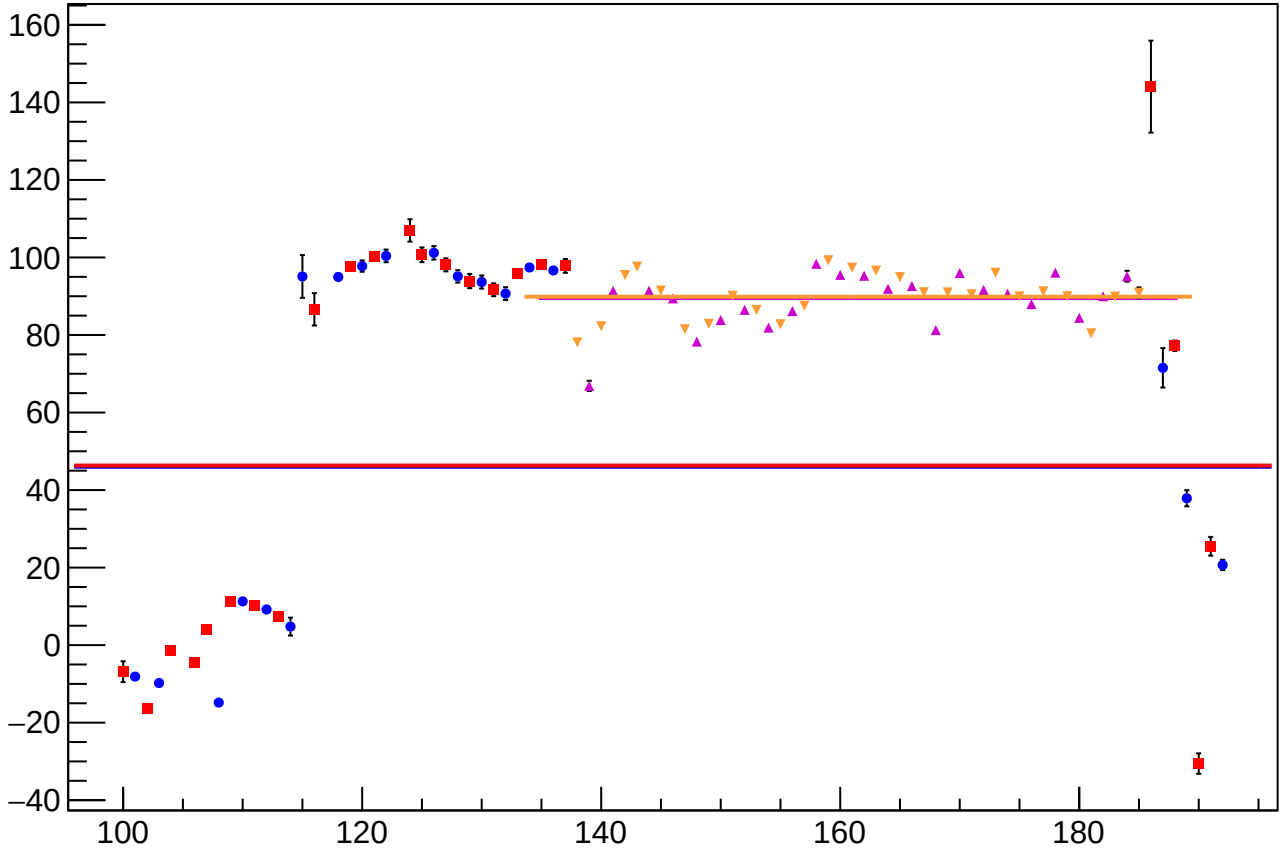
Right: 3.719+/-0.163 χ^2/NDF: 954.5/41

In: 10.132+/-0.161 χ^2/NDF:3695.7/41

Out: 9.115+/-0.150 χ^2/NDF:5095.3/47

All: 9.586+/-0.110 χ^2/NDF: 8812.5/89

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: 46.318+/-0.275 χ^2/NDF: 30423.7/22

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

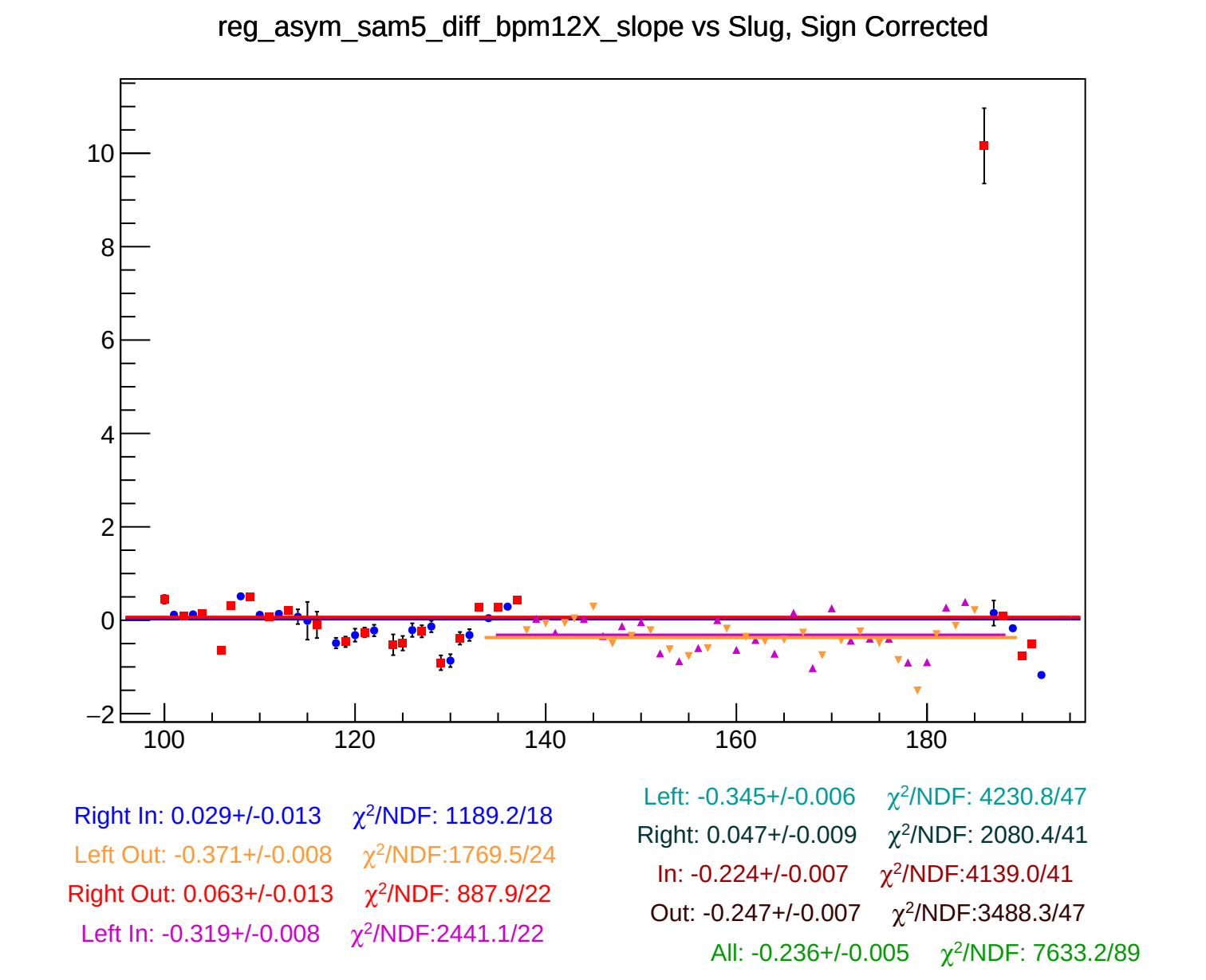
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

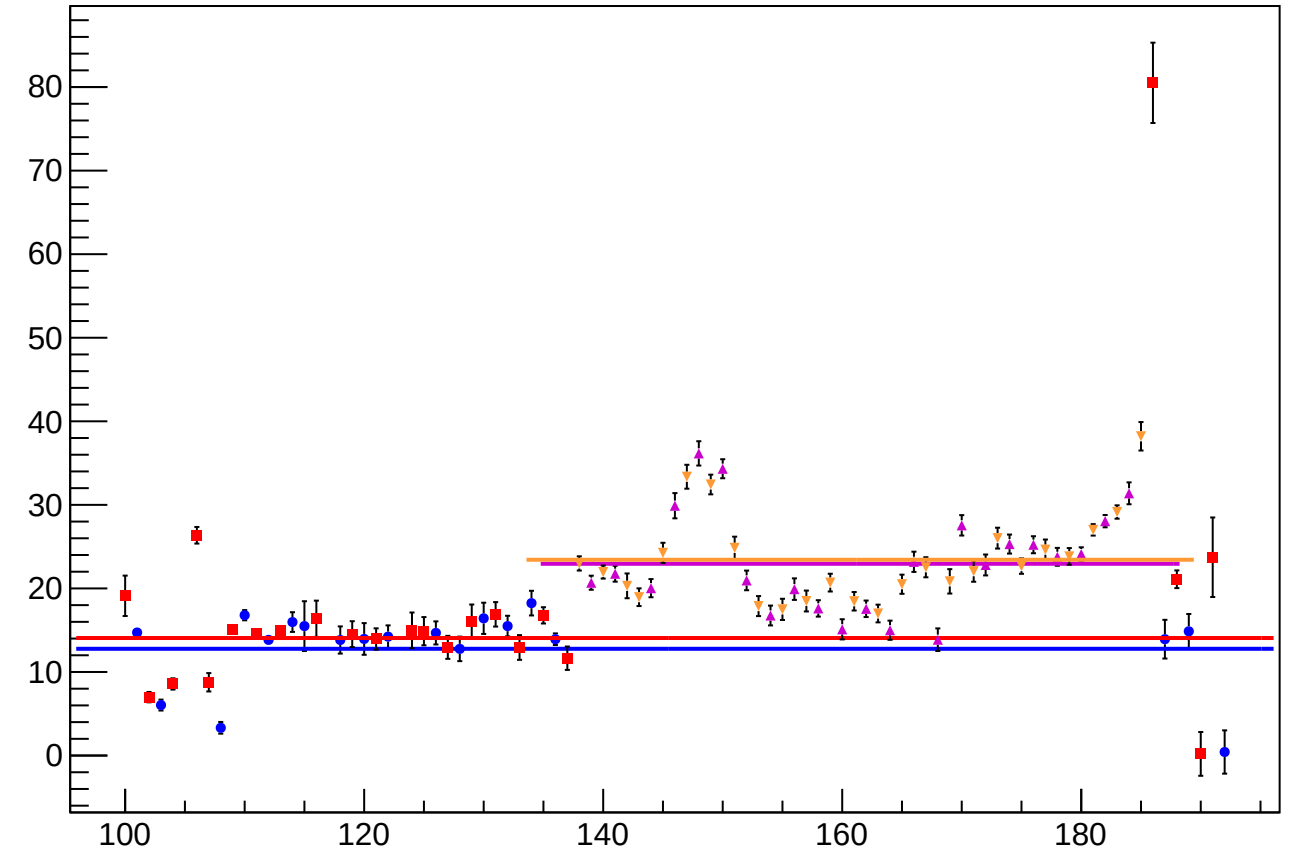
Right: 46.175+/-0.202 χ^2/NDF: 57733.7/41

In: 77.107+/-0.159 χ^2/NDF:43795.7/41

Out: 76.696+/-0.151 χ^2/NDF:49006.9/47

All: 76.892+/-0.109 χ^2/NDF: 92806.1/89


reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected
10
8
6
4
2
0
−2
100
120
140
160
180
Right In: 0.029+/-0.013 χ²/NDF: 1189.2/18
Left Out: -0.371+/-0.008 χ²/NDF:1769.5/24
Right Out: 0.063+/-0.013 χ²/NDF: 887.9/22
Left In: -0.319+/-0.008 χ²/NDF:2441.1/22
Left: -0.345+/-0.006 χ²/NDF: 4230.8/47
Right: 0.047+/-0.009 χ²/NDF: 2080.4/41
In: -0.224+/-0.007 χ²/NDF:4139.0/41
Out: -0.247+/-0.007 χ²/NDF:3488.3/47
All: -0.236+/-0.005 χ²/NDF: 7633.2/89



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: 14.065+/-0.199 χ^2/NDF: 673.6/22

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

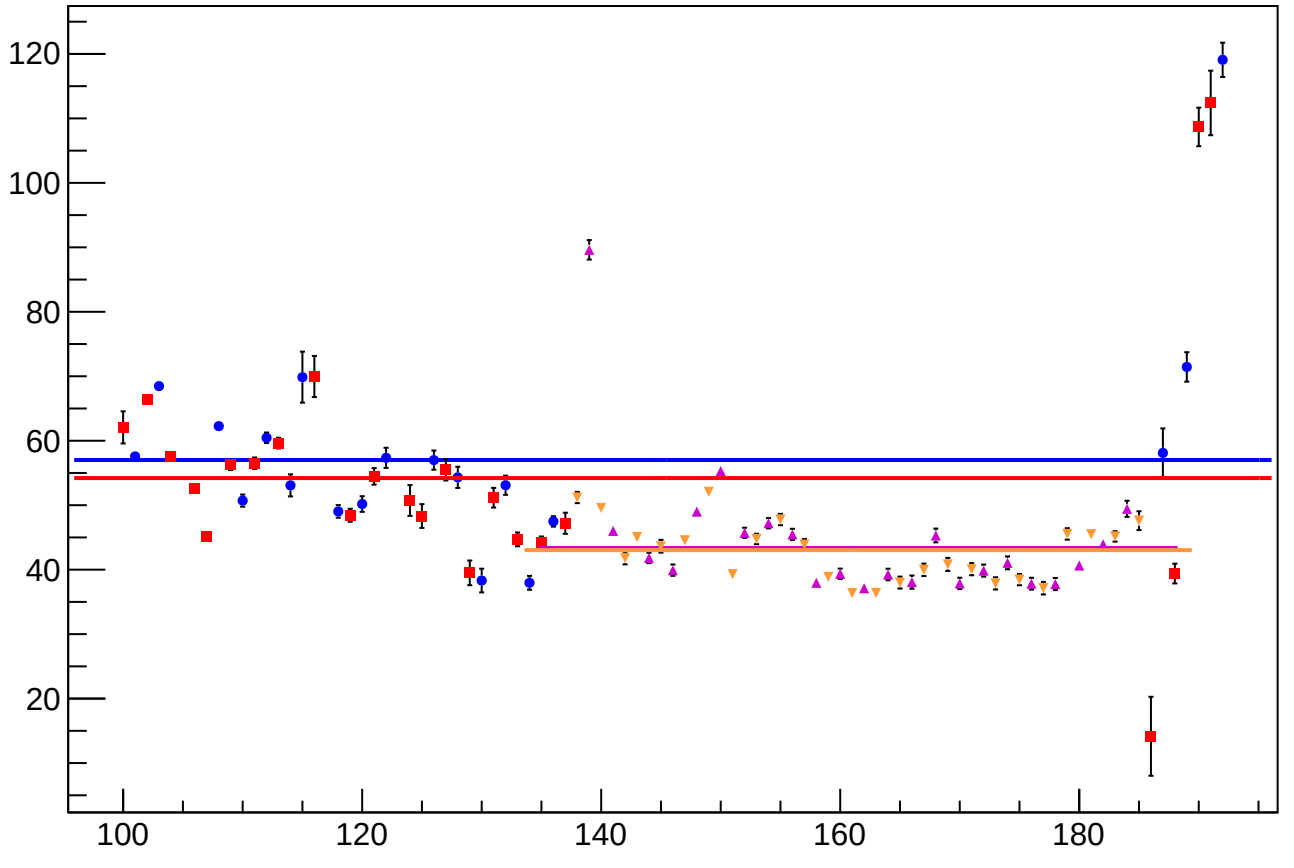
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.457+/-0.145 χ^2/NDF: 1105.4/41

In: 17.535+/-0.154 χ^2/NDF:2061.8/41

Out: 18.380+/-0.147 χ^2/NDF:2117.0/47

All: 17.979+/-0.106 χ^2/NDF: 4194.5/89



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: 54.209+/-0.221 χ^2/NDF: 1610.7/22

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

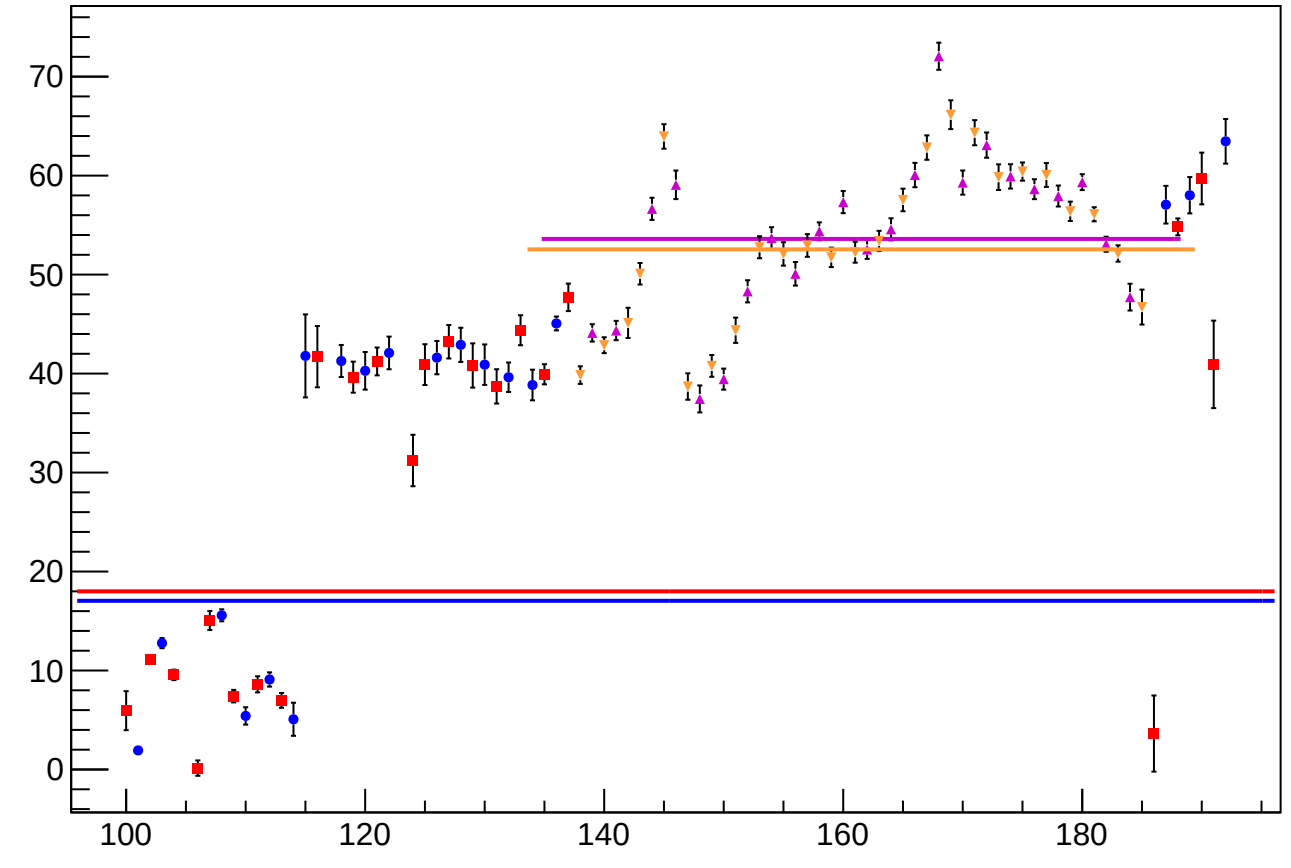
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 55.619+/-0.156 χ^2/NDF: 3370.2/41

In: 48.736+/-0.138 χ^2/NDF:5702.2/41

Out: 47.097+/-0.133 χ^2/NDF:4016.6/47

All: 47.890+/-0.096 χ^2/NDF: 9791.7/89



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: 17.997+/-0.211 χ^2/NDF: 6180.6/22

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

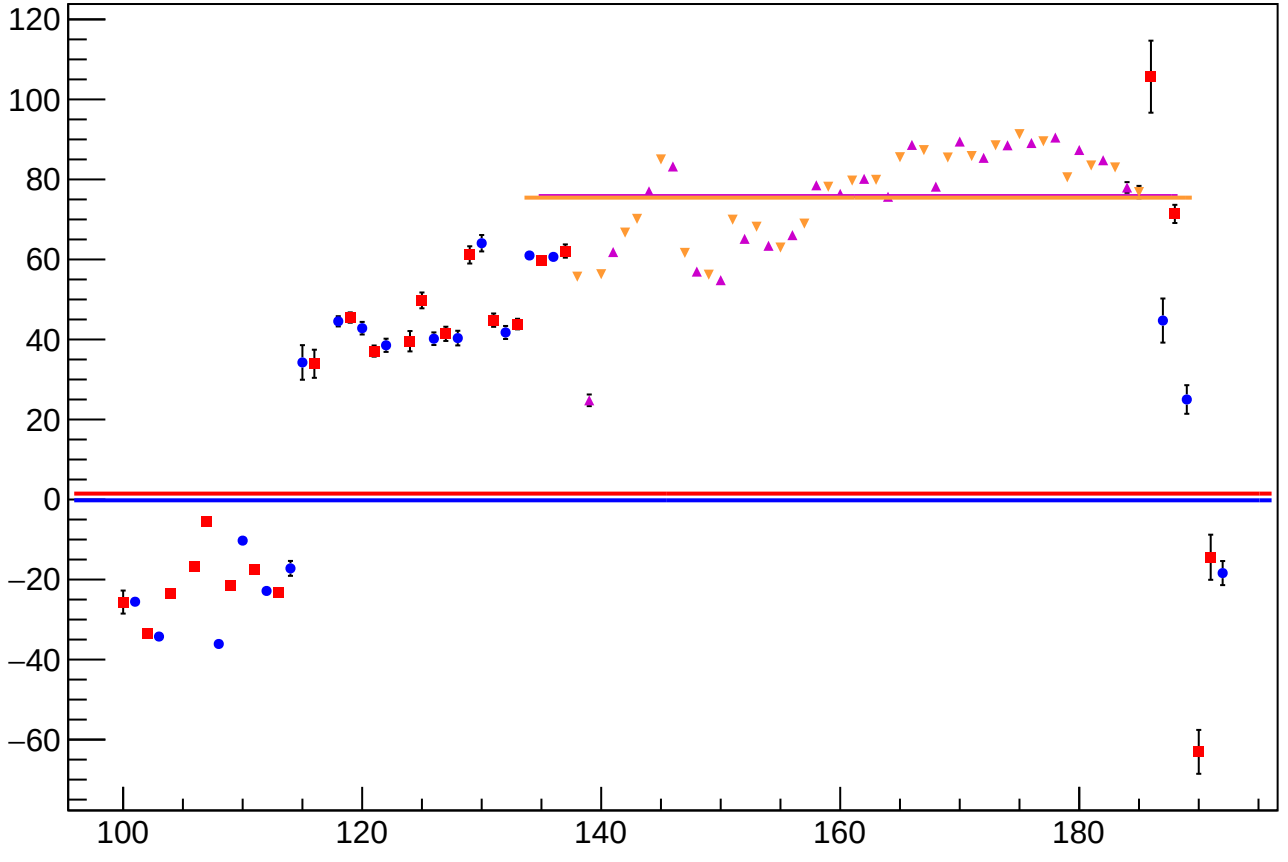
Right: 17.518+/-0.149 χ^2/NDF: 12780.0/41

In: 34.263+/-0.153 χ^2/NDF:21838.9/41

Out: 34.983+/-0.150 χ^2/NDF:20549.1/47

All: 34.629+/-0.107 χ^2/NDF: 42399.3/89

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: 1.480+/-0.261 χ^2/NDF: 17266.4/22

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

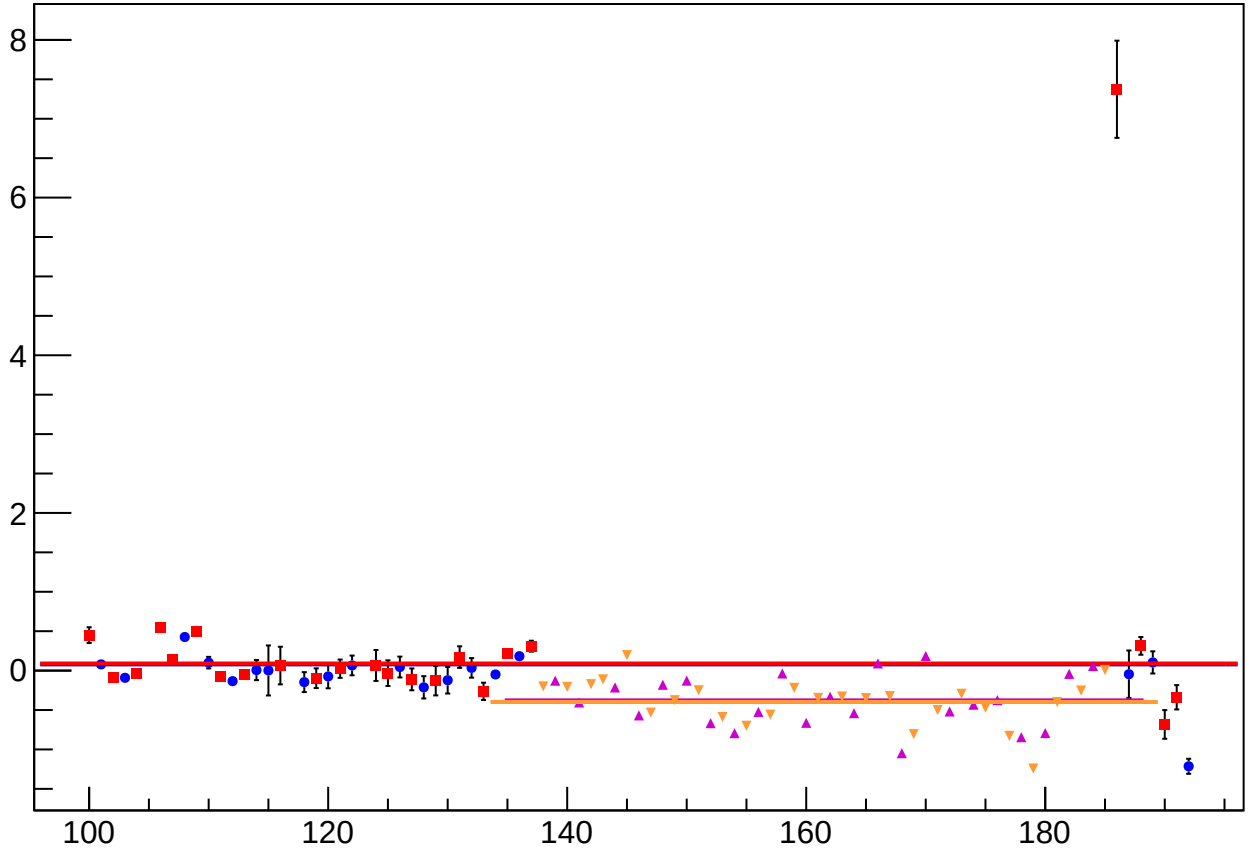
Right: 0.636+/-0.184 χ^2/NDF: 38470.7/41

In: 47.989+/-0.157 χ^2/NDF:79885.6/41

Out: 50.141+/-0.153 χ^2/NDF:73506.9/47

All: 49.094+/-0.109 χ^2/NDF: 153489.0/89

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.090+/-0.011 χ^2/NDF: 568.8/22

Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

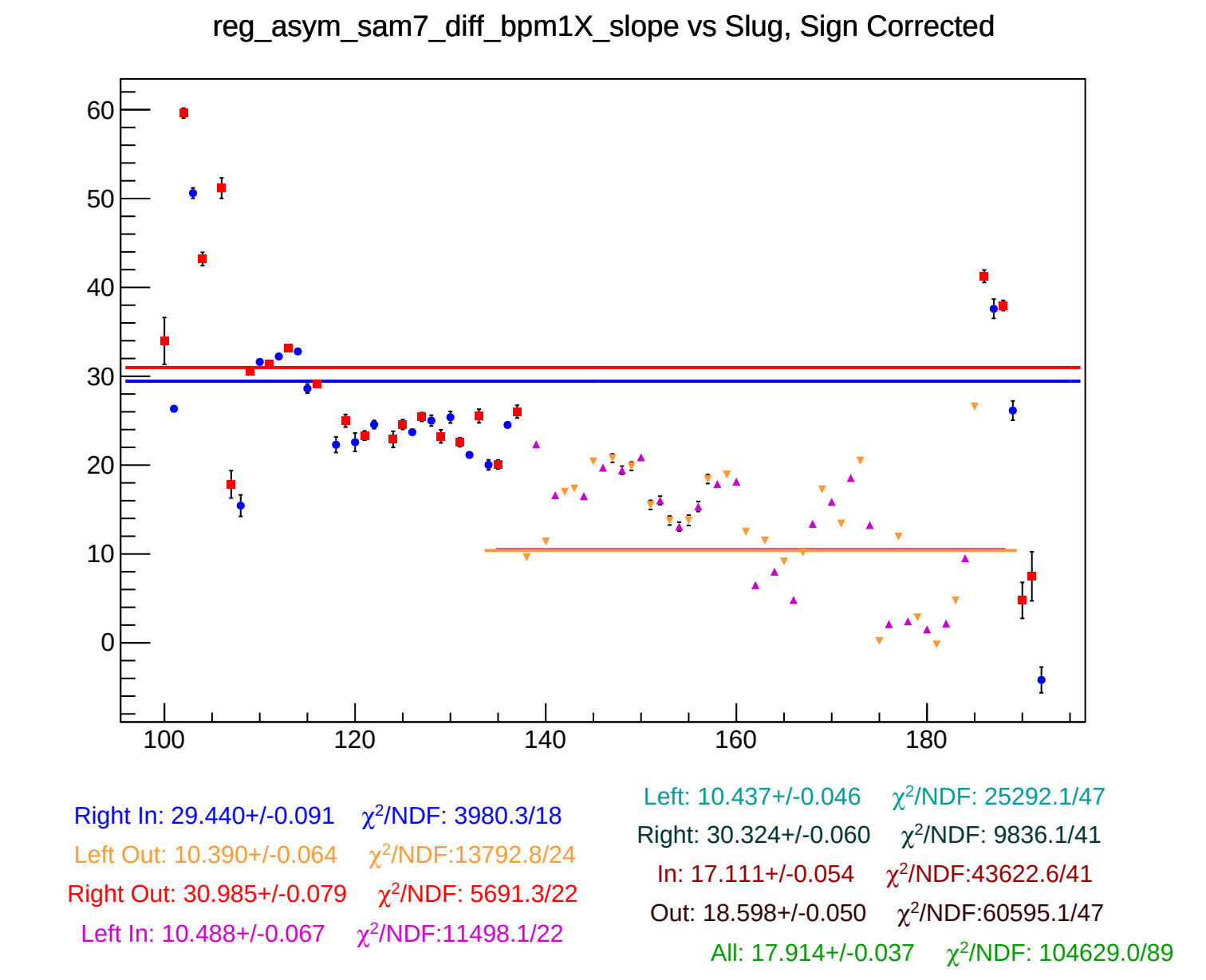
Left: -0.388+/-0.006 χ^2/NDF: 2386.0/47

Right: 0.084+/-0.008 χ^2/NDF: 1055.5/41

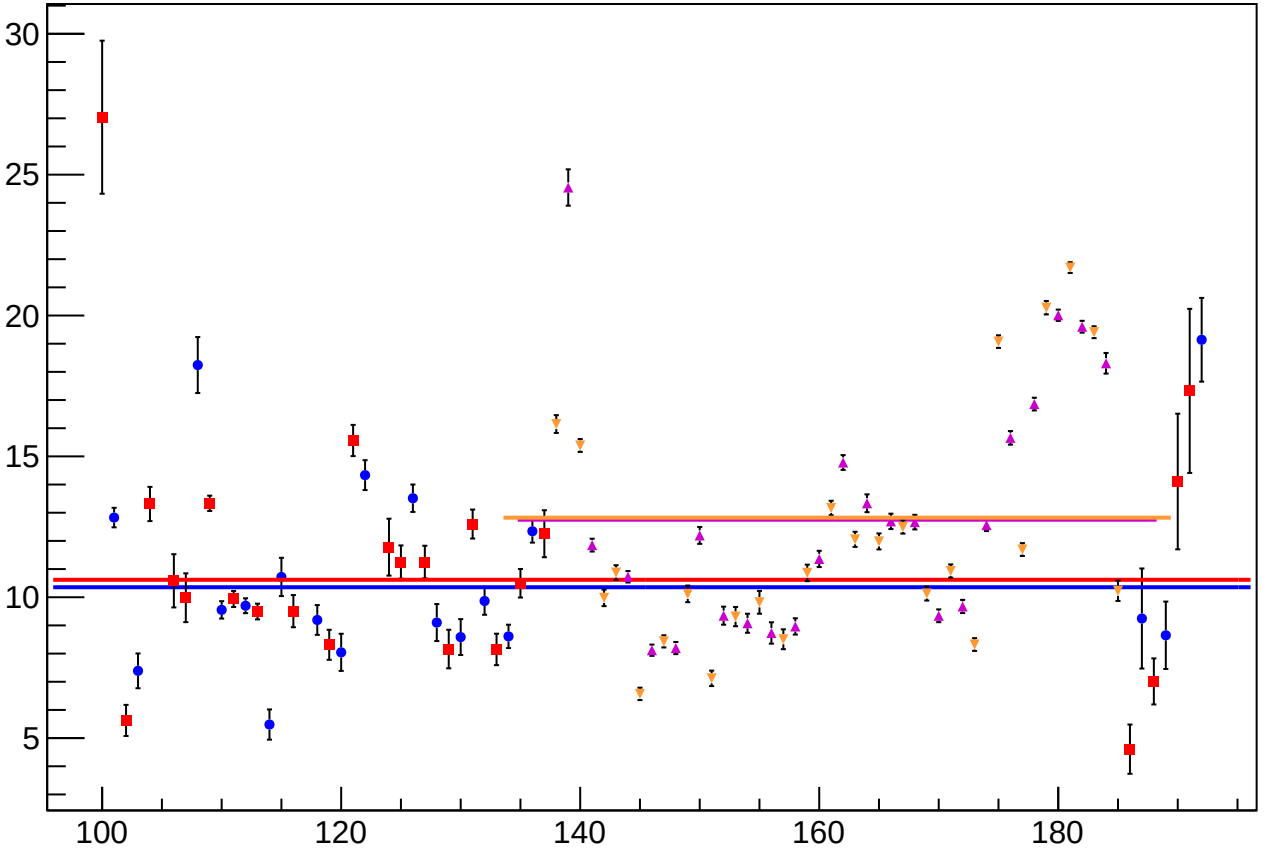
In: -0.206+/-0.007 χ^2/NDF:2895.8/41

Out: -0.224+/-0.007 χ^2/NDF:2804.0/47

All: -0.215+/-0.005 χ^2/NDF: 5703.1/89


reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
100
120
140
160
180
Right In: 29.440+/-0.091 χ²/NDF: 3980.3/18
Left Out: 10.390+/-0.064 χ²/NDF:13792.8/24
Right Out: 30.985+/-0.079 χ²/NDF: 5691.3/22
Left In: 10.488+/-0.067 χ²/NDF:11498.1/22
Left: 10.437+/-0.046 χ²/NDF: 25292.1/47
Right: 30.324+/-0.060 χ²/NDF: 9836.1/41
In: 17.111+/-0.054 χ²/NDF:43622.6/41
Out: 18.598+/-0.050 χ²/NDF:60595.1/47
All: 17.914+/-0.037 χ²/NDF: 104629.0/89

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: 10.620+/-0.111 χ^2/NDF: 491.7/22

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

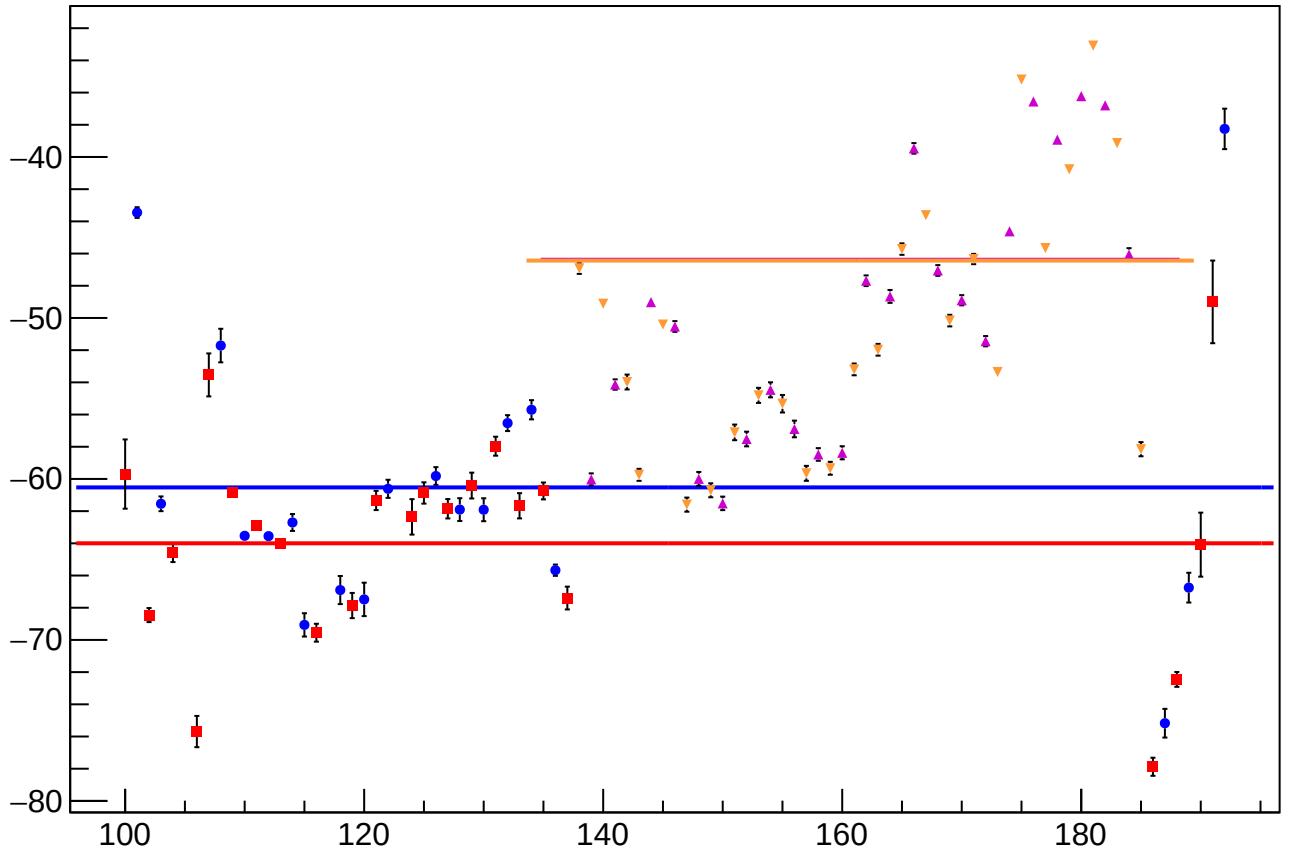
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.490+/-0.079 χ^2/NDF: 934.6/41

In: 12.320+/-0.048 χ^2/NDF:6312.2/41

Out: 12.438+/-0.046 χ^2/NDF:8835.3/47

All: 12.381+/-0.033 χ^2/NDF: 15150.5/89



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: -63.997+/-0.102 χ^2/NDF: 1900.2/22

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

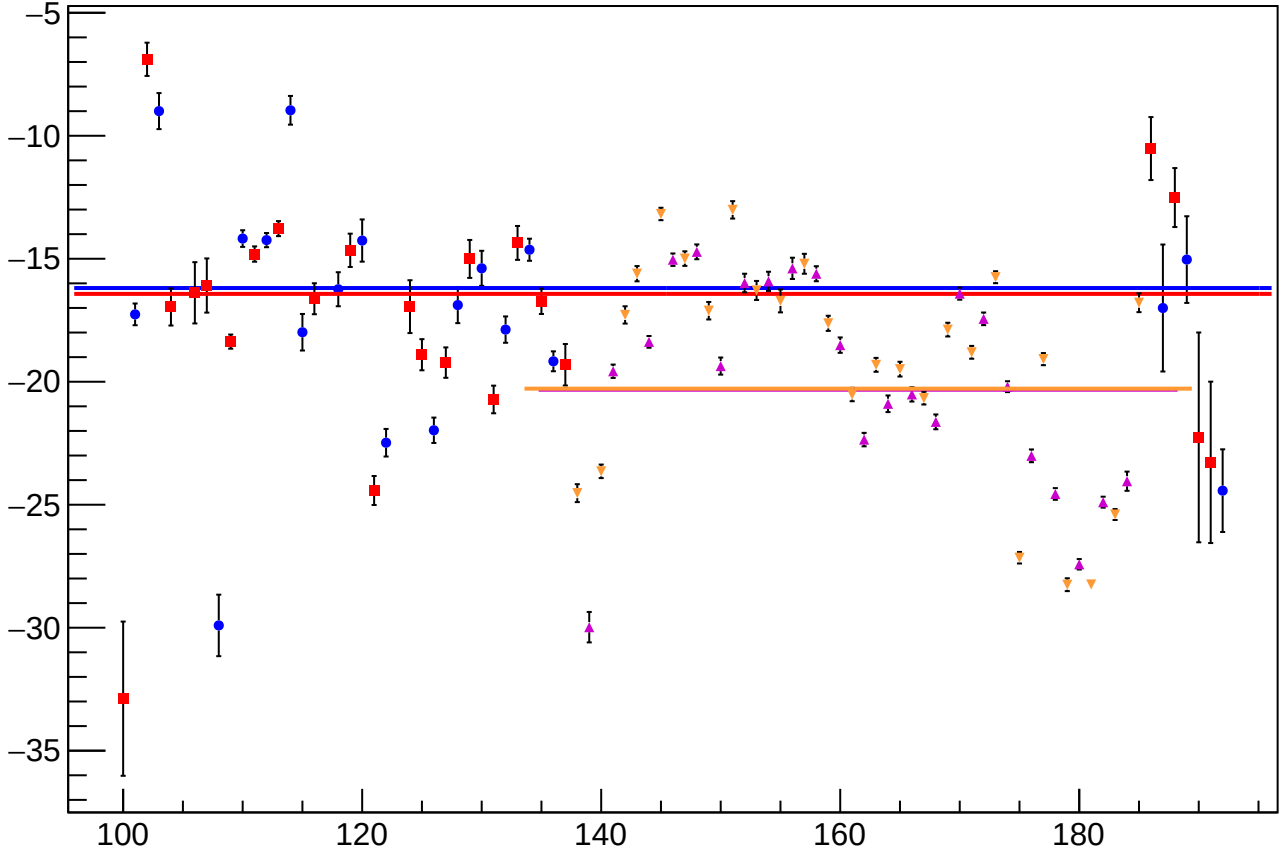
Right: -62.397+/-0.075 χ^2/NDF: 6657.6/41

In: -50.150+/-0.057 χ^2/NDF:31249.4/41

Out: -51.408+/-0.055 χ^2/NDF:41115.0/47

All: -50.809+/-0.039 χ^2/NDF: 72617.9/89

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -16.429+/-0.123 χ^2/NDF: 723.3/22

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

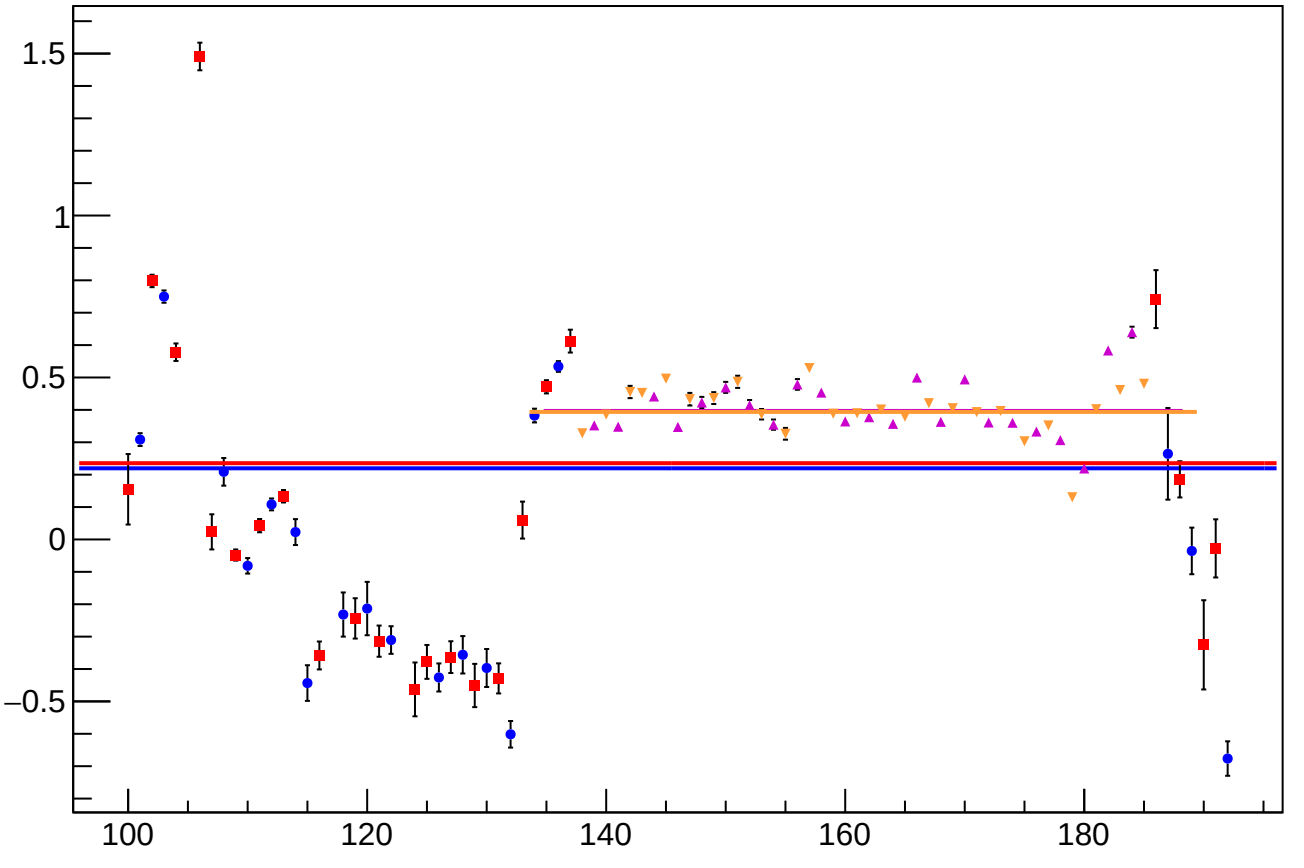
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.312+/-0.088 χ^2/NDF: 1546.9/41

In: -19.582+/-0.054 χ^2/NDF:5973.2/41

Out: -19.601+/-0.052 χ^2/NDF:8547.4/47

All: -19.592+/-0.037 χ^2/NDF: 14520.7/89



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: 0.235+/-0.007 χ^2/NDF: 3653.1/22

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

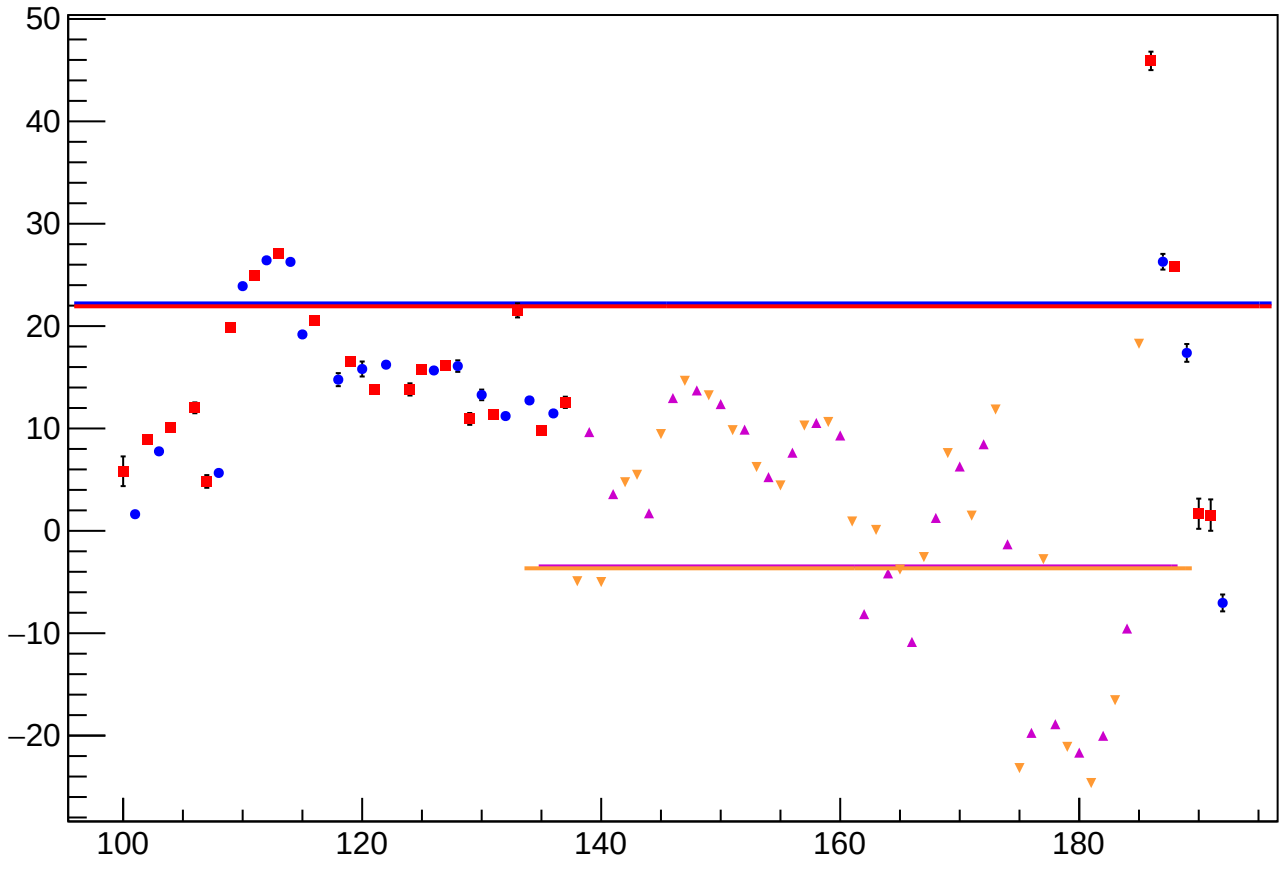
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.227+/-0.005 χ^2/NDF: 6591.3/41

In: 0.375+/-0.002 χ^2/NDF:4797.7/41

Out: 0.375+/-0.002 χ^2/NDF:5053.1/47

All: 0.375+/-0.002 χ^2/NDF: 9850.9/89



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: 21.934+/-0.046 χ^2/NDF: 11859.7/22

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

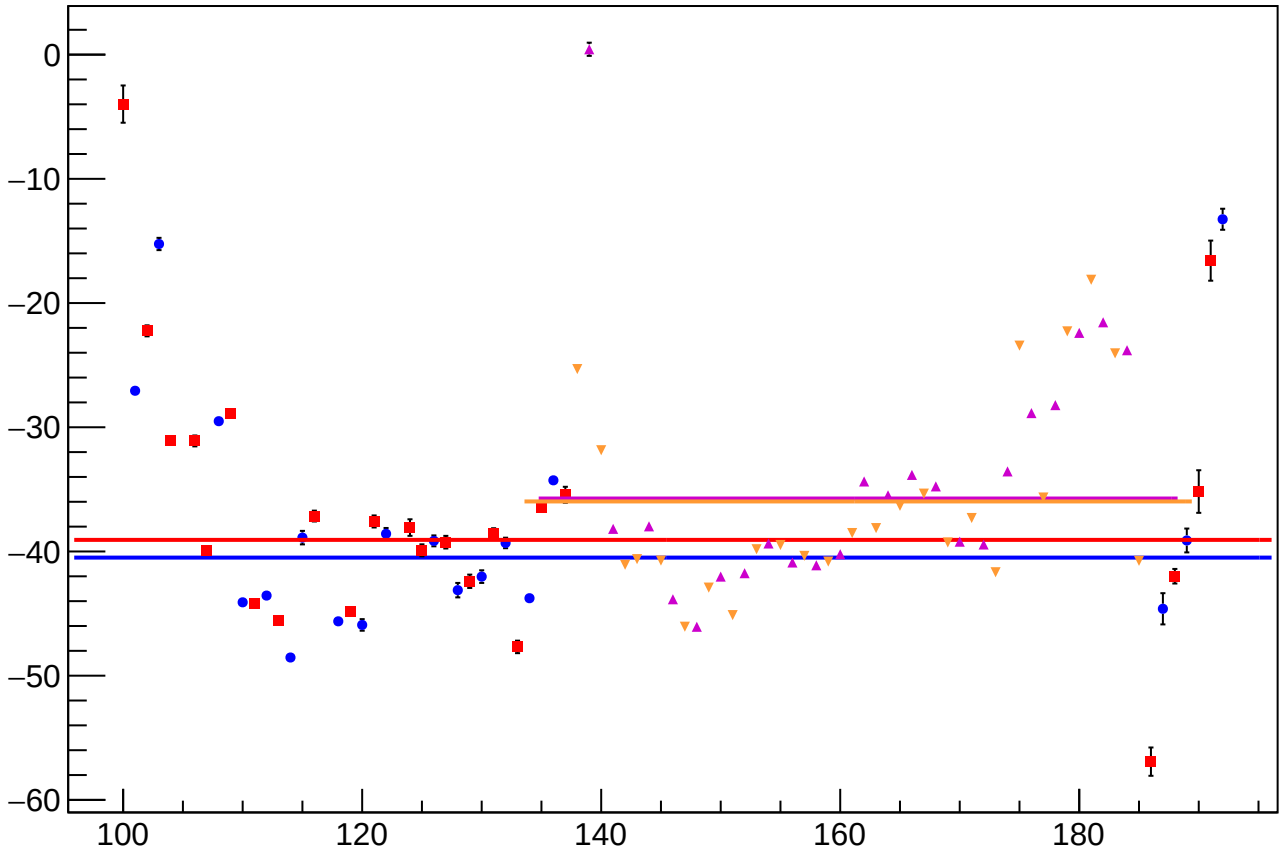
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 22.046+/-0.036 χ^2/NDF: 25537.2/41

In: 9.655+/-0.040 χ^2/NDF:161090.2/41

Out: 11.323+/-0.035 χ^2/NDF:197534.0/47

All: 10.600+/-0.026 χ^2/NDF: 359603.0/89



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: -39.067+/-0.070 χ^2/NDF: 10571.4/22

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

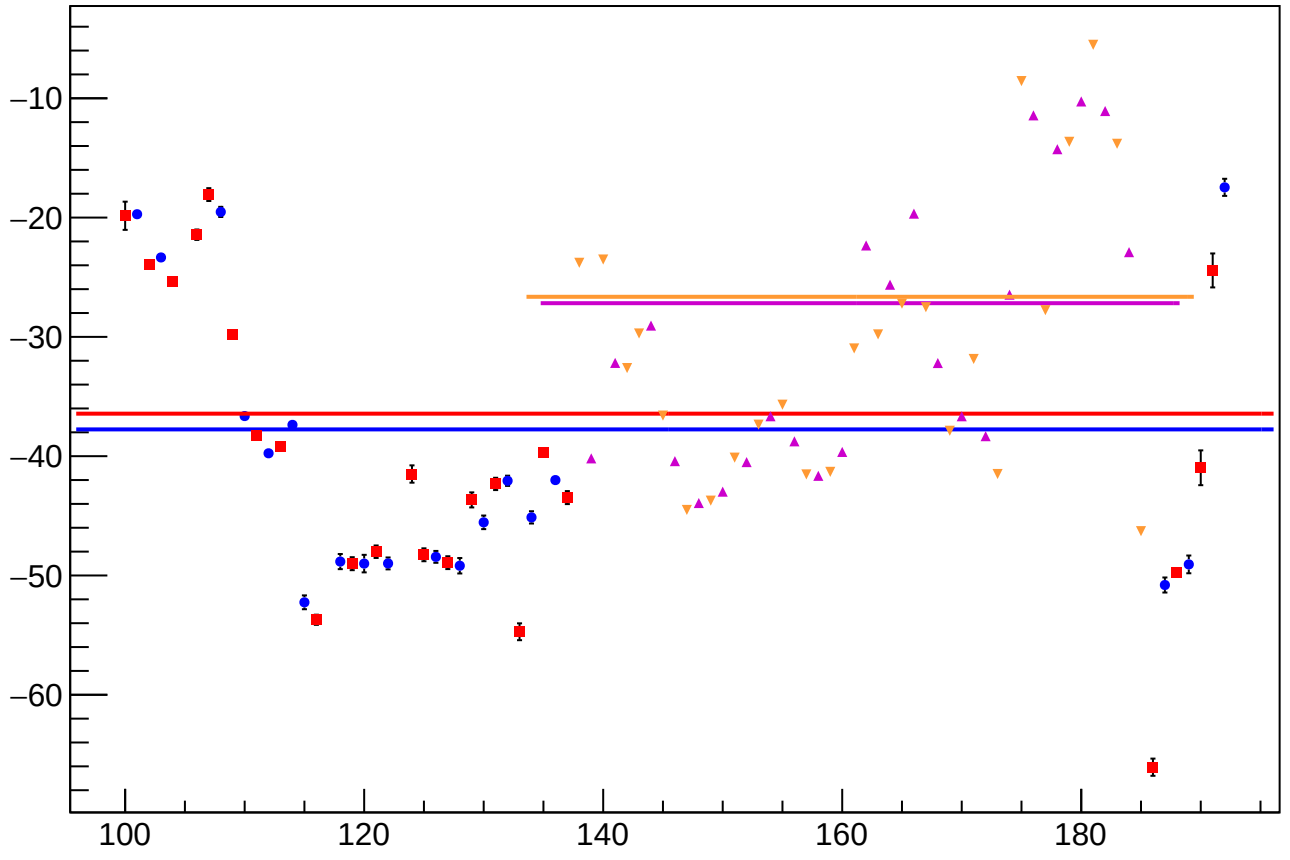
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -39.726+/-0.052 χ^2/NDF: 19596.9/41

In: -36.974+/-0.039 χ^2/NDF:38902.9/41

Out: -36.800+/-0.036 χ^2/NDF:45601.8/47

All: -36.881+/-0.026 χ^2/NDF: 84515.5/89



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: -36.436+/-0.063 χ^2/NDF: 16790.7/22

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

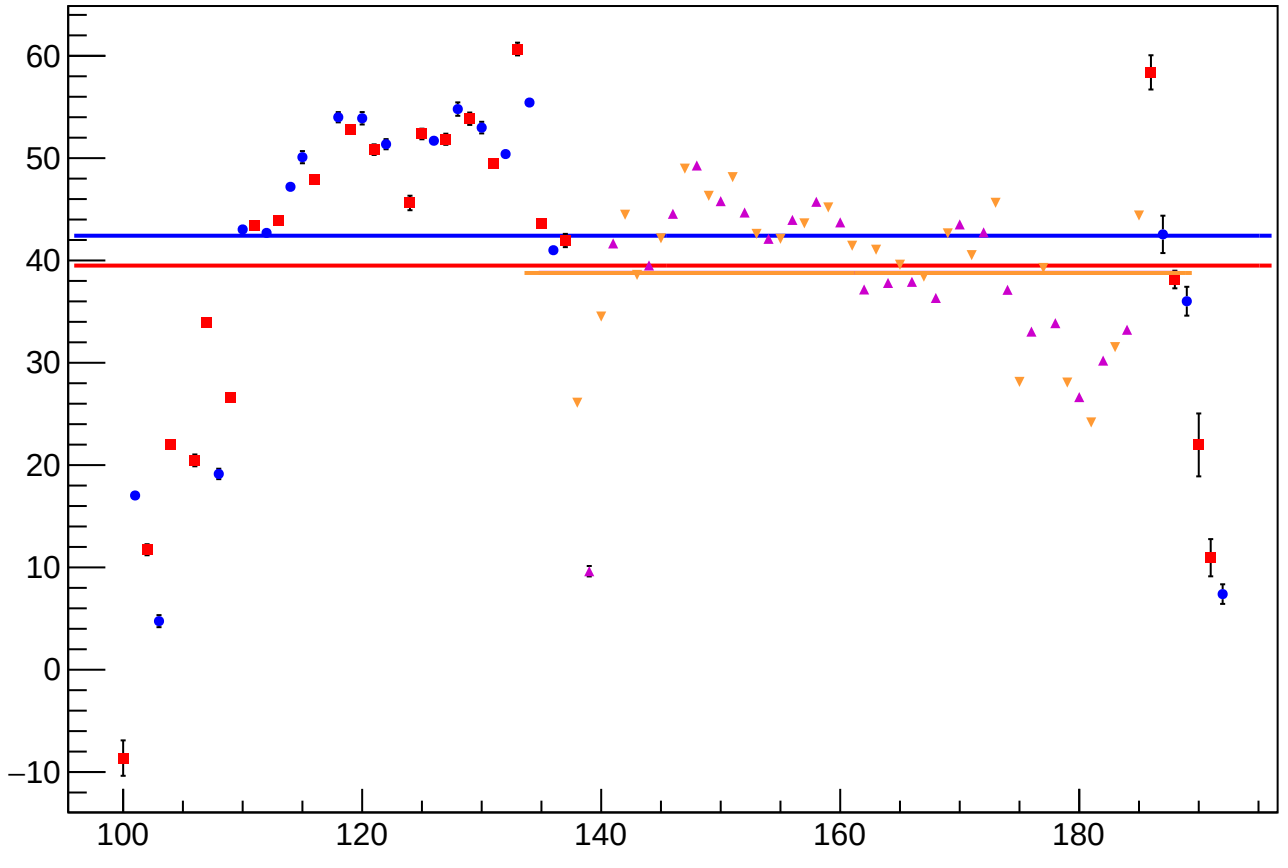
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -37.001+/-0.047 χ^2/NDF: 29296.7/41

In: -31.236+/-0.045 χ^2/NDF:66422.4/41

Out: -30.856+/-0.041 χ^2/NDF:80709.5/47

All: -31.030+/-0.030 χ^2/NDF: 147170.7/89



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: 39.499+/-0.078 χ^2/NDF: 18387.0/22

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

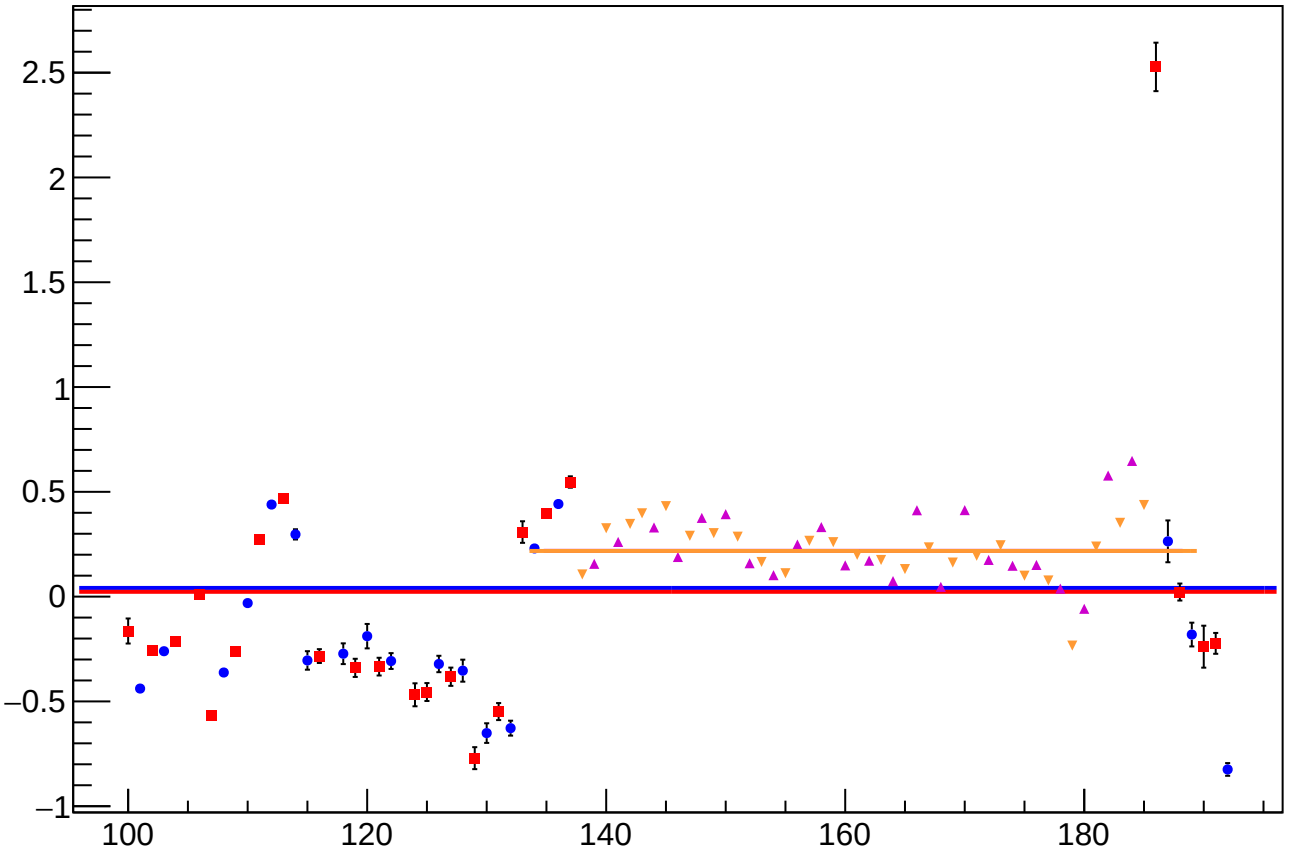
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 40.837+/-0.057 χ^2/NDF: 35168.4/41

In: 39.737+/-0.043 χ^2/NDF:33737.8/41

Out: 38.975+/-0.041 χ^2/NDF:39520.3/47

All: 39.334+/-0.030 χ^2/NDF: 73423.5/89



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: 0.023+/-0.004 χ^2/NDF: 6905.6/22

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

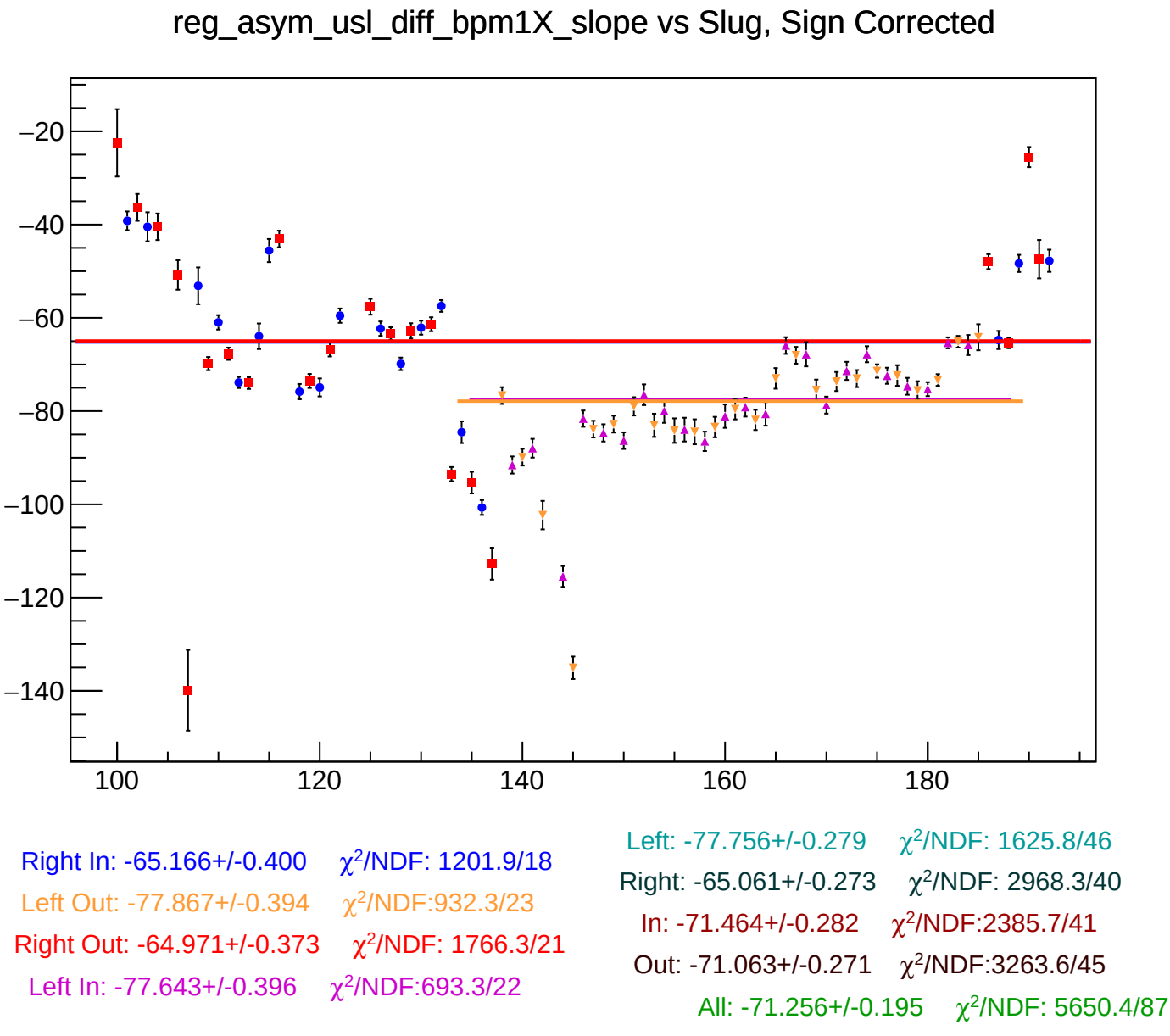
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: 0.031+/-0.003 χ^2/NDF: 13270.1/41

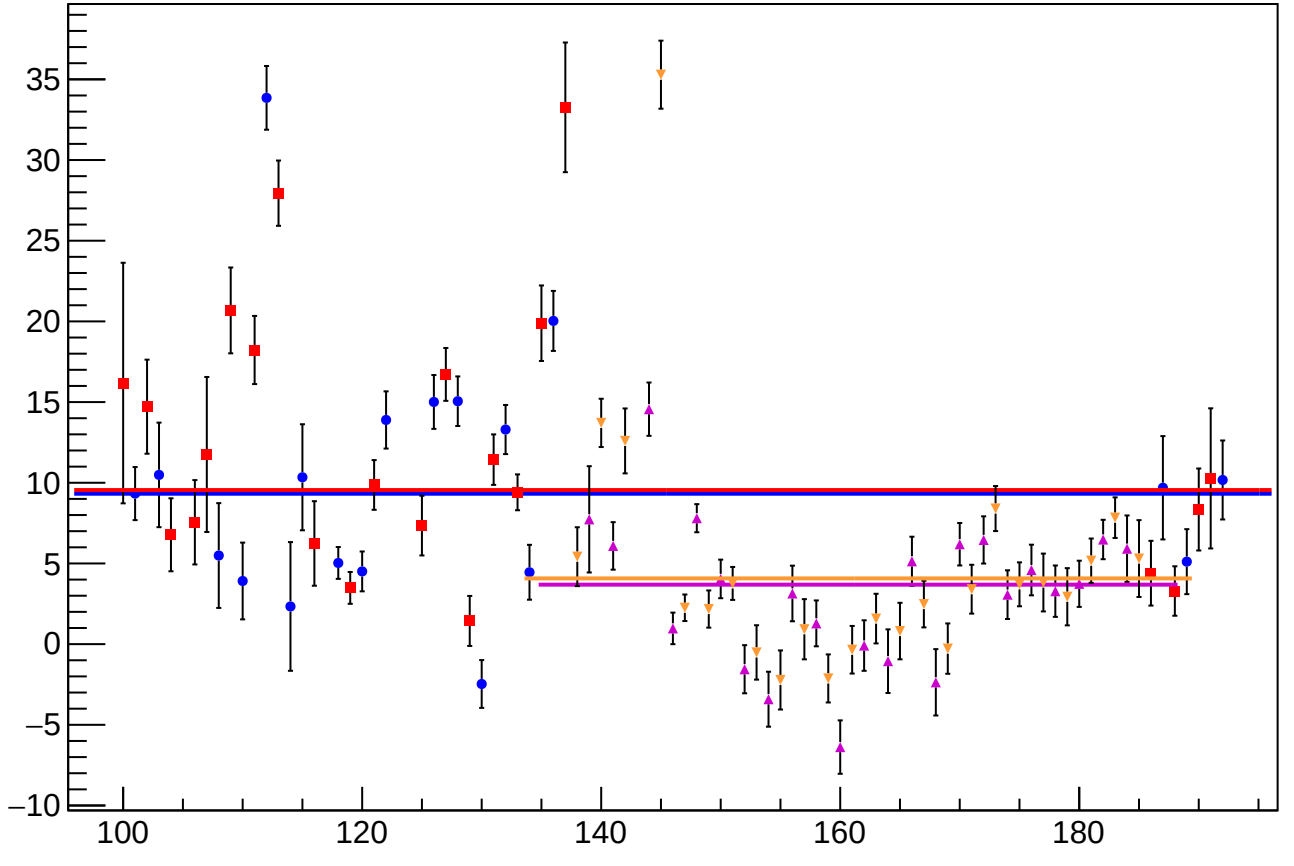
In: 0.186+/-0.002 χ^2/NDF:12801.2/41

Out: 0.179+/-0.002 χ^2/NDF:12601.3/47

All: 0.183+/-0.001 χ^2/NDF: 25408.8/89


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
120
140
160
180
Right In: -65.166+/-0.400 χ²/NDF: 1201.9/18
Left Out: -77.867+/-0.394 χ²/NDF:932.3/23
Right Out: -64.971+/-0.373 χ²/NDF: 1766.3/21
Left In: -77.643+/-0.396 χ²/NDF:693.3/22
Left: -77.756+/-0.279 χ²/NDF: 1625.8/46
Right: -65.061+/-0.273 χ²/NDF: 2968.3/40
In: -71.464+/-0.282 χ²/NDF:2385.7/41
Out: -71.063+/-0.271 χ²/NDF:3263.6/45
All: -71.256+/-0.195 χ²/NDF: 5650.4/87

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 9.548+/-0.403 χ^2/NDF: 290.1/21

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

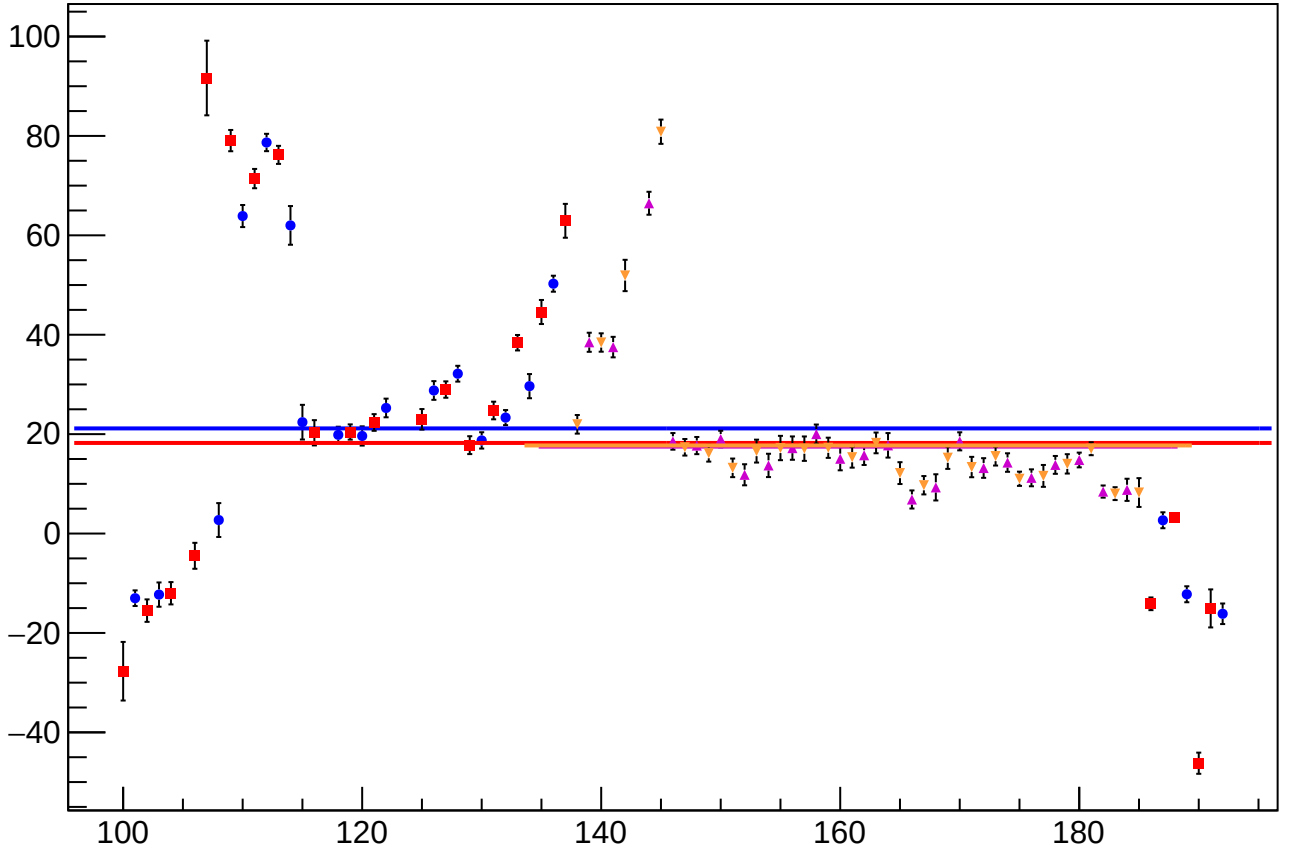
Right: 9.437+/-0.287 χ^2/NDF: 636.8/40

In: 5.670+/-0.243 χ^2/NDF:652.0/41

Out: 5.997+/-0.239 χ^2/NDF:780.3/45

All: 5.836+/-0.170 χ^2/NDF: 1433.2/87

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: 18.228+/-0.396 χ^2/NDF: 5657.9/21

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

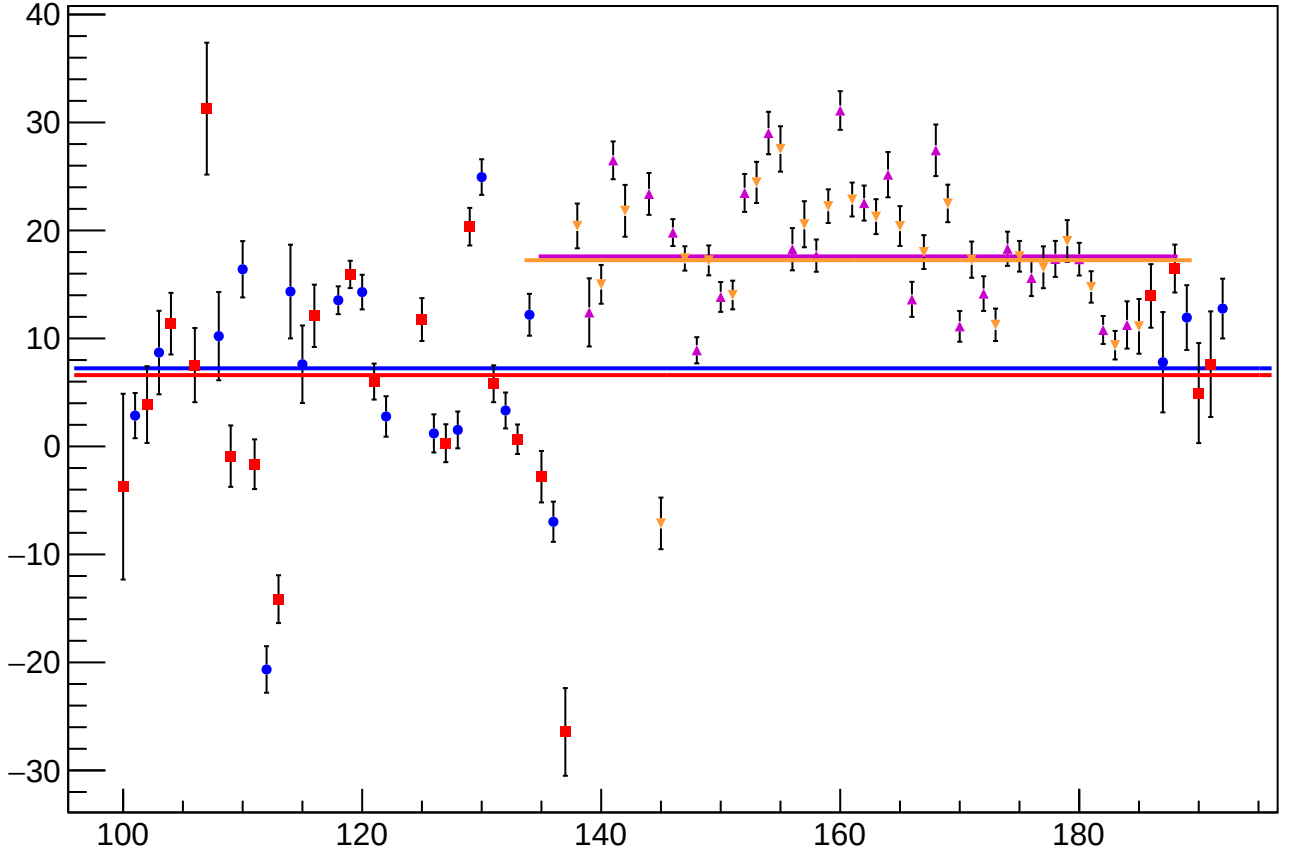
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 19.556+/-0.292 χ^2/NDF: 9238.4/40

In: 19.139+/-0.291 χ^2/NDF:4415.6/41

Out: 17.973+/-0.278 χ^2/NDF:6717.0/45

All: 18.529+/-0.201 χ^2/NDF: 11141.0/87



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: 6.605+/-0.478 χ^2/NDF: 395.8/21

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

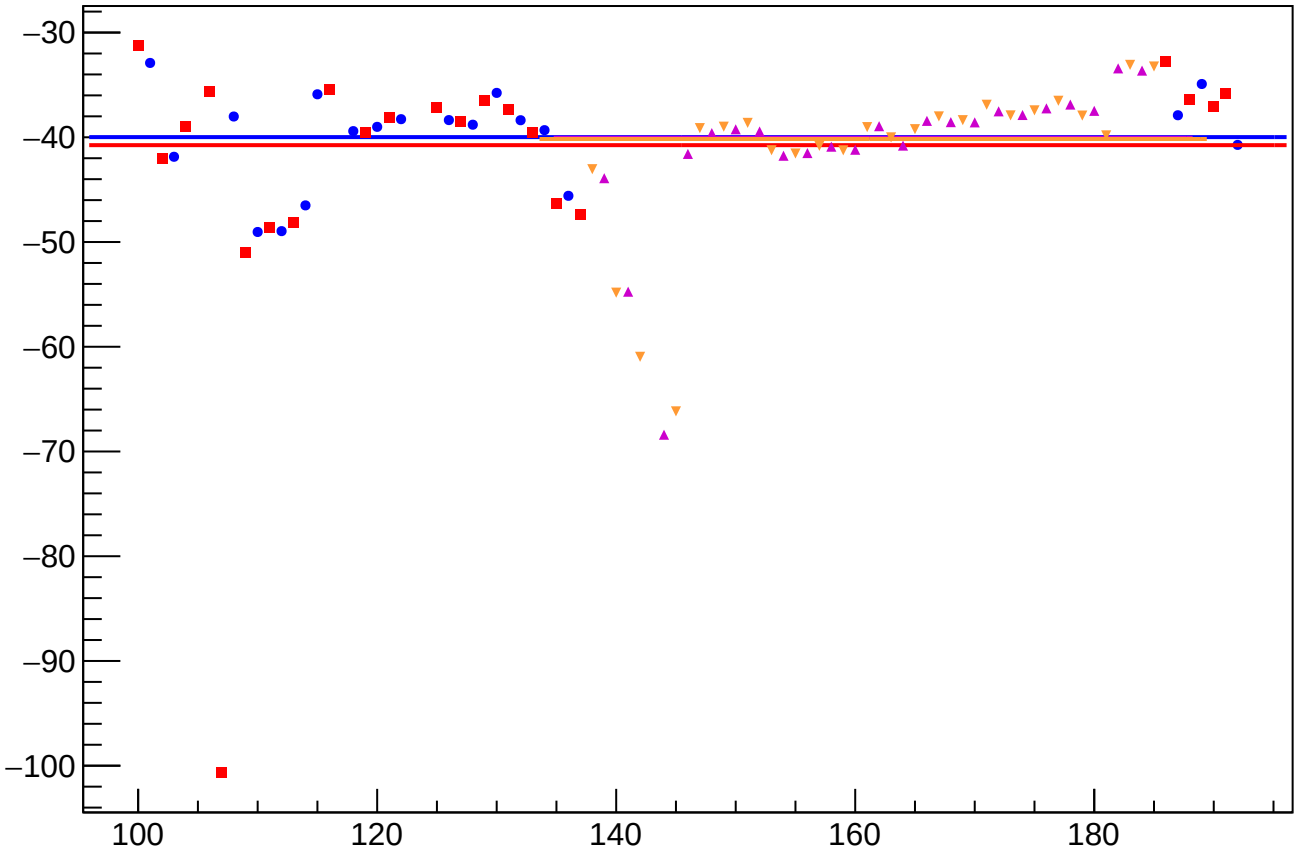
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 6.919+/-0.338 χ^2/NDF: 847.9/40

In: 14.094+/-0.278 χ^2/NDF:1070.8/41

Out: 13.695+/-0.276 χ^2/NDF:987.0/45

All: 13.893+/-0.196 χ^2/NDF: 2058.9/87



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: -40.752+/-0.029 χ^2/NDF: 65427.5/21

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

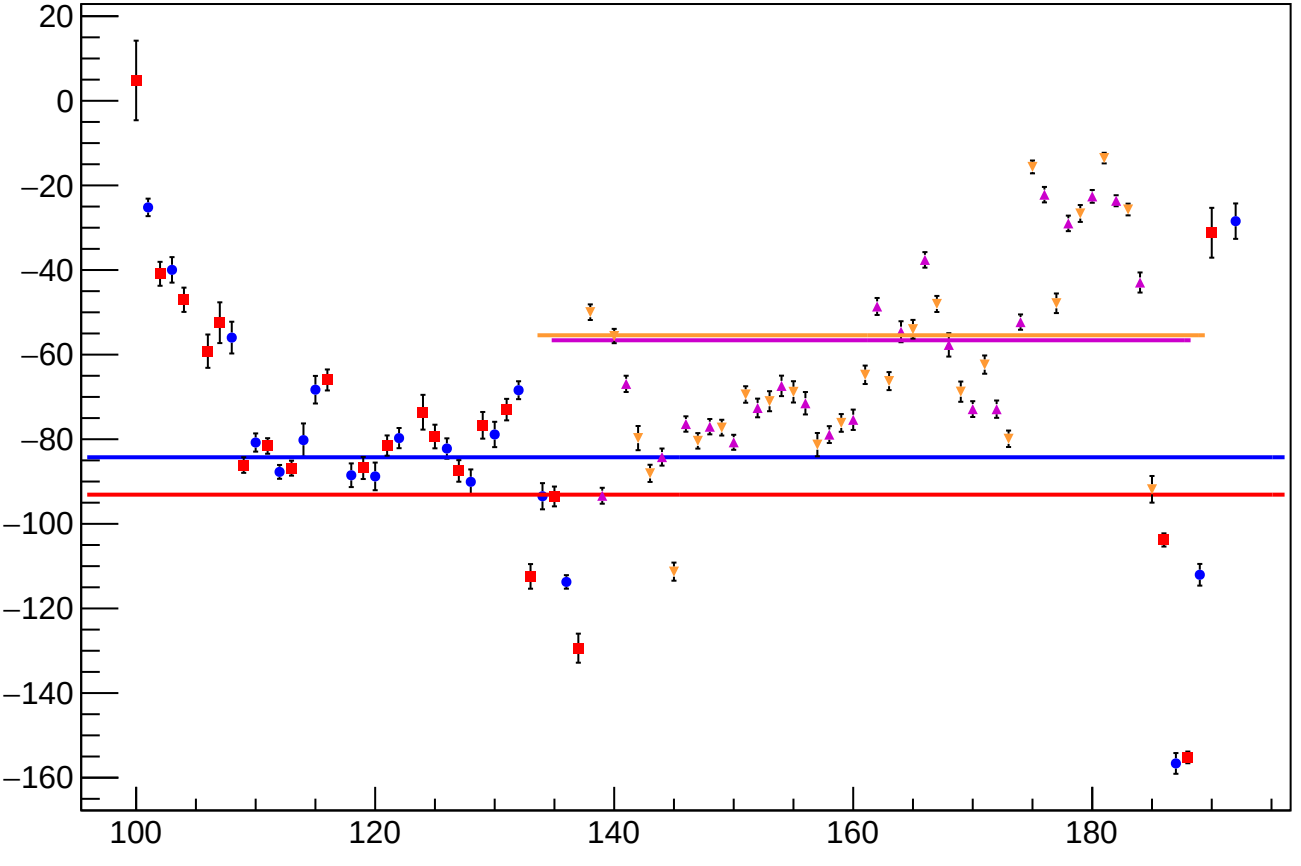
Right: -40.362+/-0.020 χ^2/NDF: 88603.8/40

In: -40.035+/-0.014 χ^2/NDF:159260.3/41

Out: -40.295+/-0.014 χ^2/NDF:229084.8/45

All: -40.164+/-0.010 χ^2/NDF: 388528.5/87

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: -93.100+/-0.520 χ^2/NDF: 3539.3/21

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

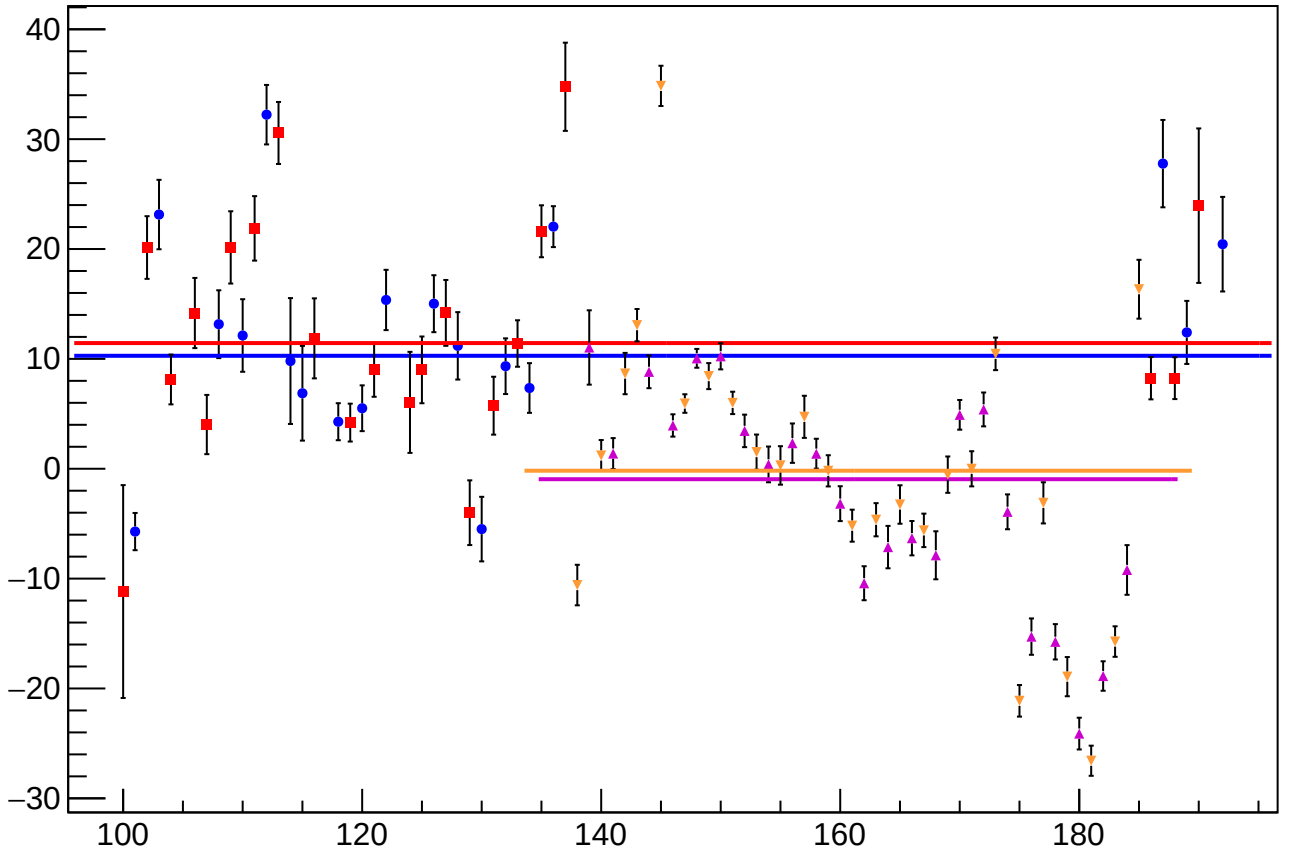
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -89.106+/-0.385 χ^2/NDF: 6375.2/40

In: -65.799+/-0.330 χ^2/NDF:7614.5/41

Out: -69.145+/-0.314 χ^2/NDF:11406.7/46

All: -67.557+/-0.227 χ^2/NDF: 19075.2/88



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: 11.439+/-0.574 χ^2/NDF: 205.5/21

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

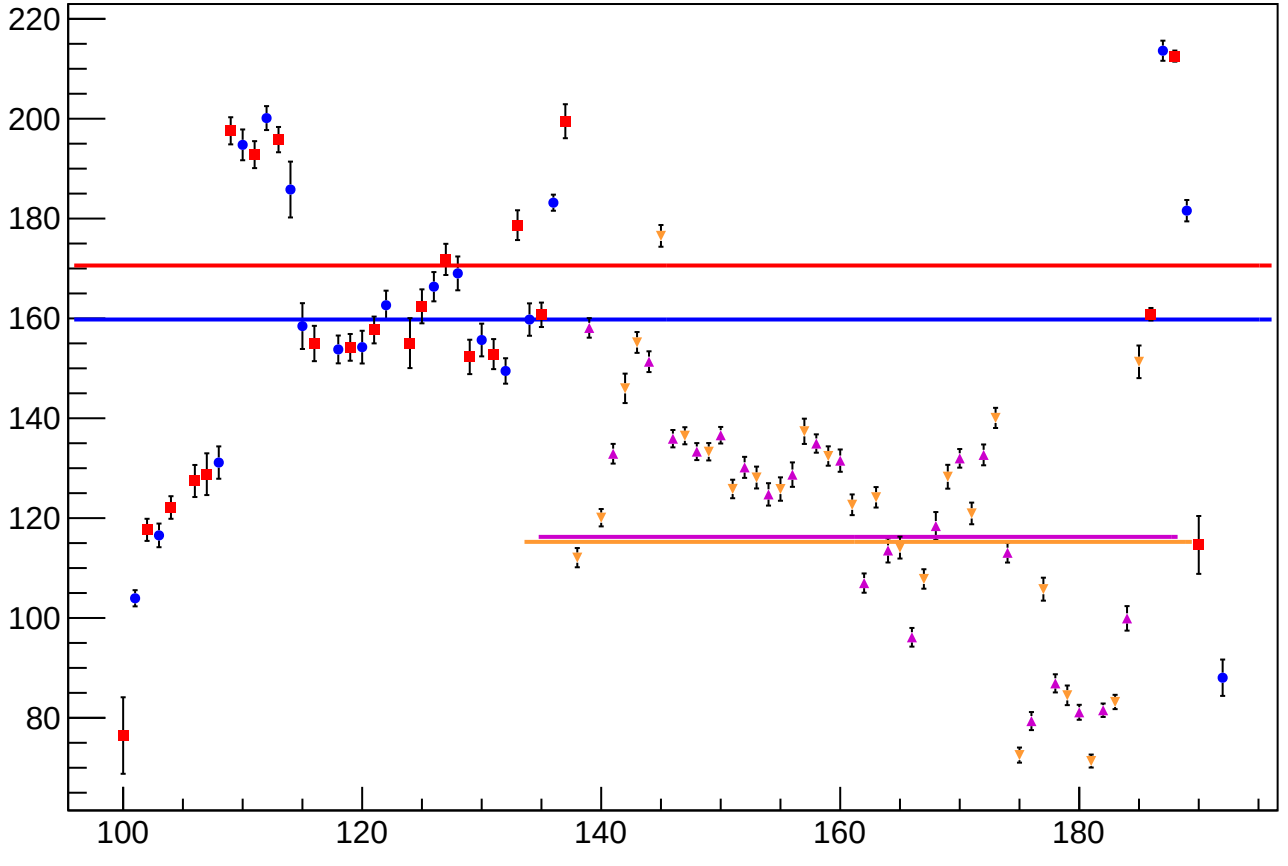
Right: 10.880+/-0.413 χ^2/NDF: 501.4/40

In: 1.377+/-0.271 χ^2/NDF:1646.5/41

Out: 2.235+/-0.262 χ^2/NDF:2128.2/46

All: 1.820+/-0.188 χ^2/NDF: 3779.9/88

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: 170.598+/-0.525 χ^2/NDF: 3563.8/21

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

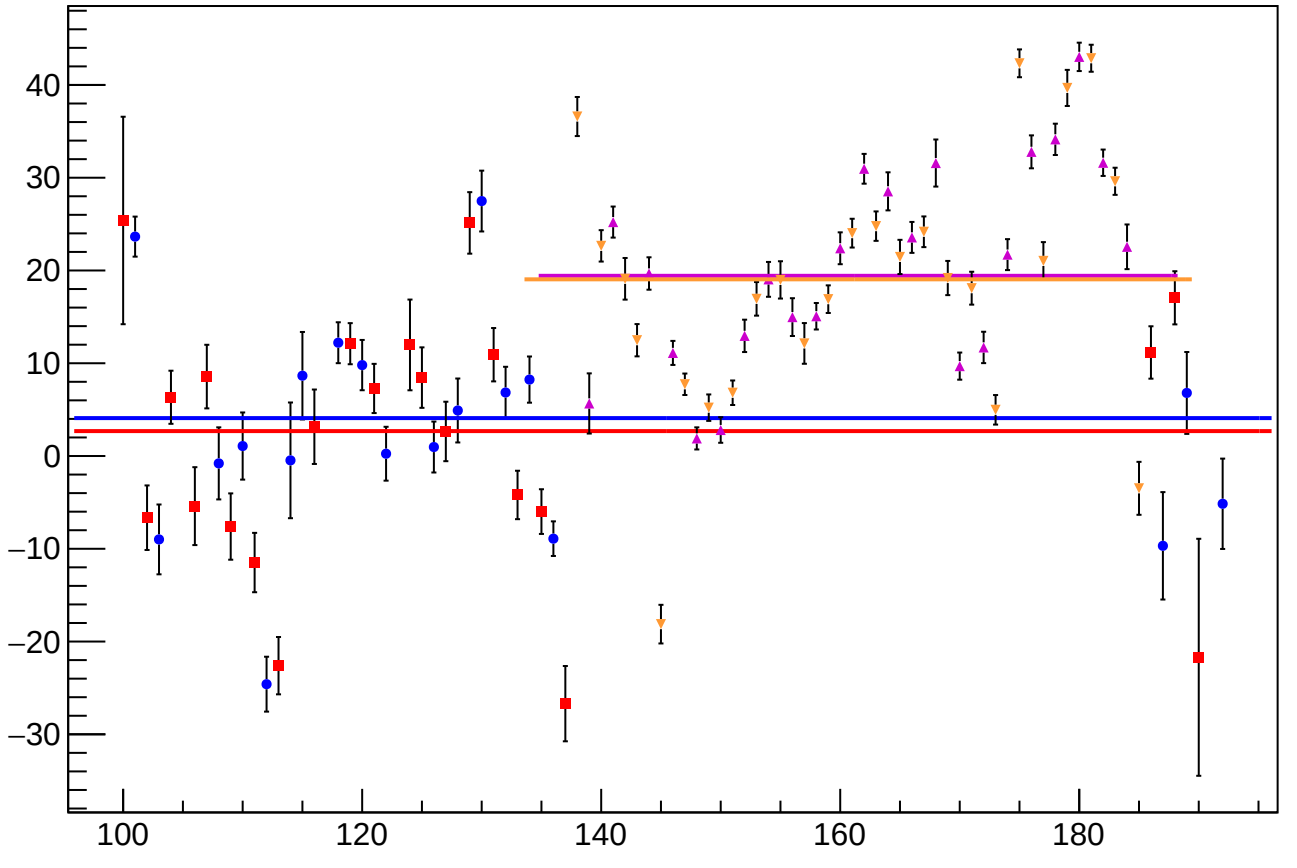
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 165.865+/-0.394 χ^2/NDF: 7239.3/40

In: 129.756+/-0.331 χ^2/NDF:10818.4/41

Out: 134.957+/-0.313 χ^2/NDF:15562.2/46

All: 132.504+/-0.228 χ^2/NDF: 26510.6/88



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: 2.686+/-0.687 χ^2/NDF: 306.5/21

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

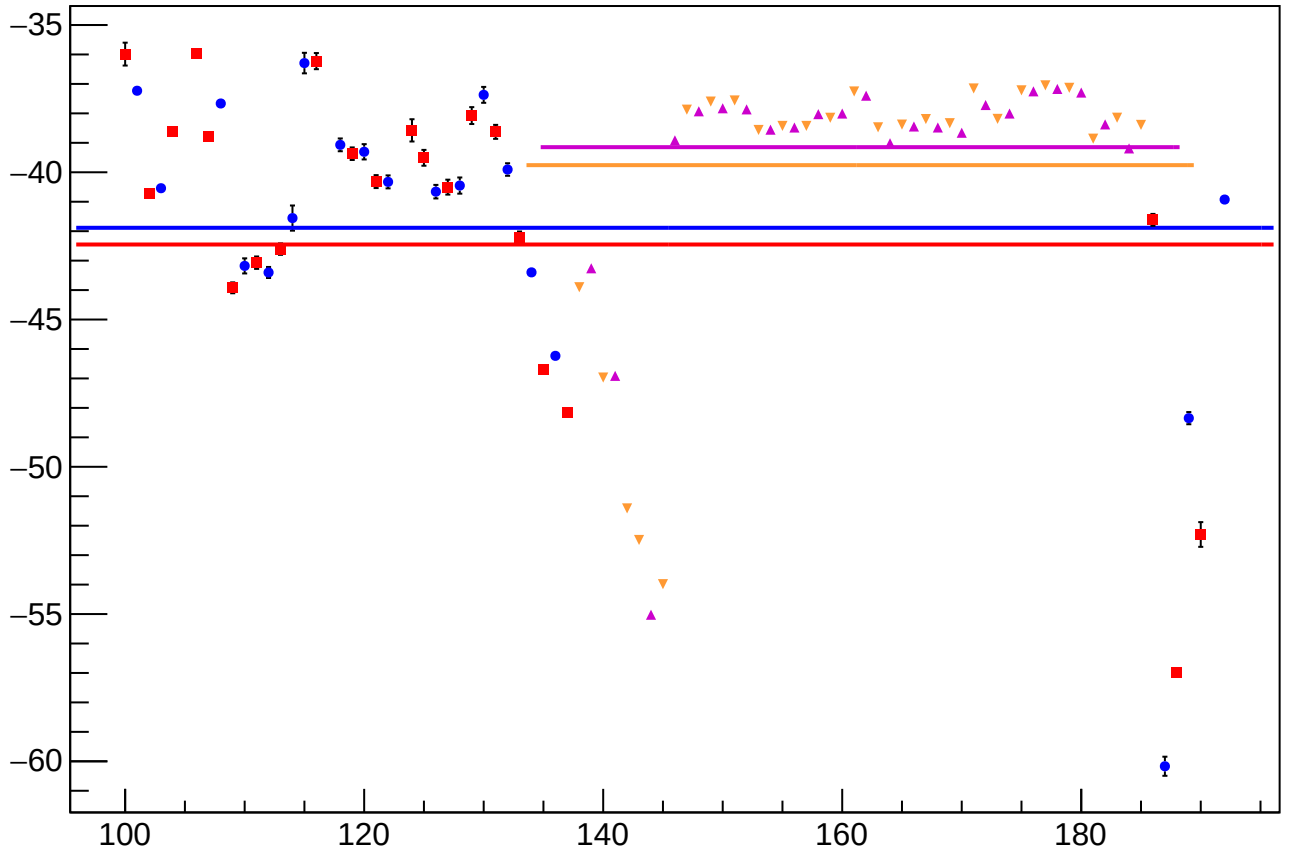
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 3.380+/-0.488 χ^2/NDF: 634.5/40

In: 16.365+/-0.309 χ^2/NDF:1795.8/41

Out: 15.883+/-0.302 χ^2/NDF:2310.3/46

All: 16.118+/-0.216 χ^2/NDF: 4107.3/88



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: -42.452+/-0.037 χ^2/NDF: 18426.2/21

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

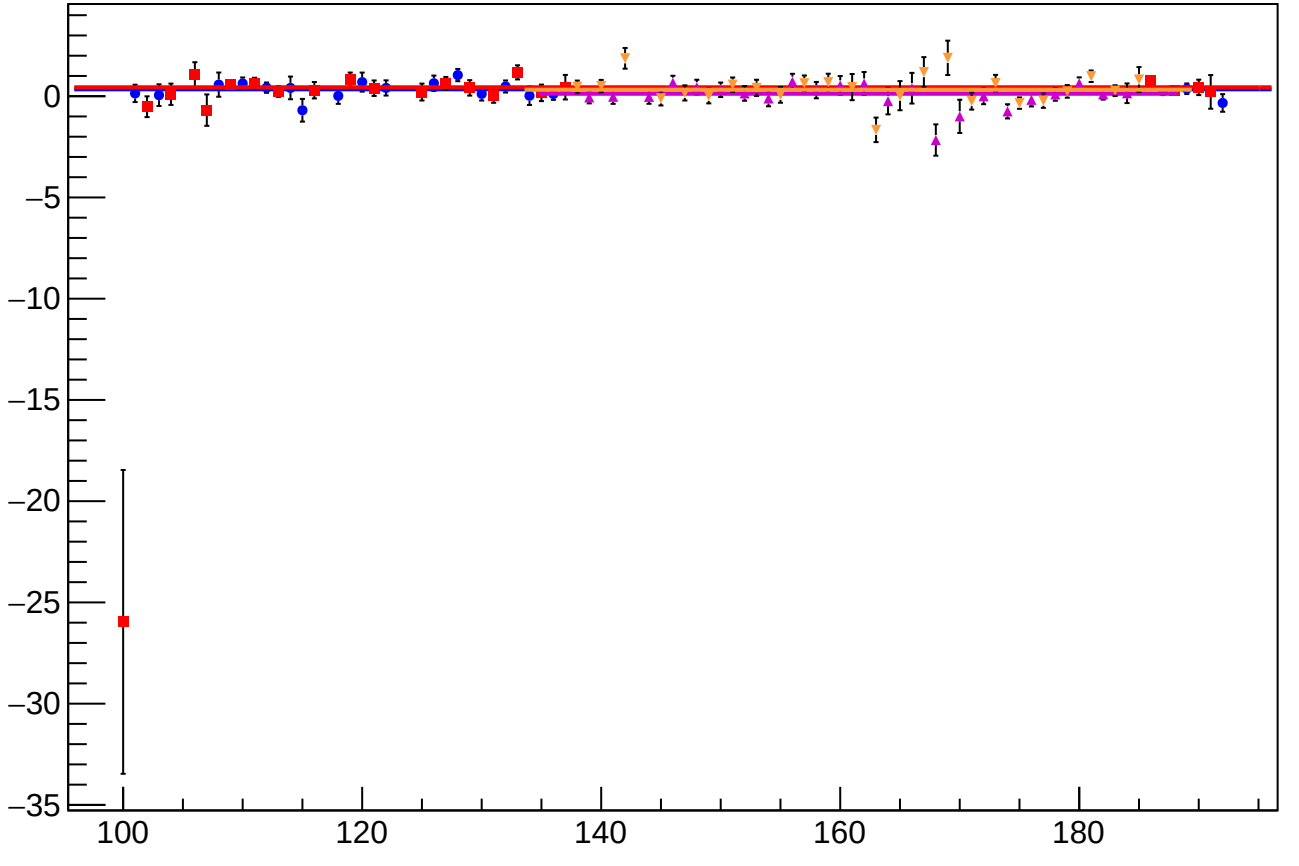
Right: -42.159+/-0.026 χ^2/NDF: 30768.7/40

In: -39.577+/-0.014 χ^2/NDF:63956.1/41

Out: -40.149+/-0.014 χ^2/NDF:104715.6/46

All: -39.864+/-0.010 χ^2/NDF: 169473.3/88

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: 0.442+/-0.067 χ^2/NDF: 34.6/21

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

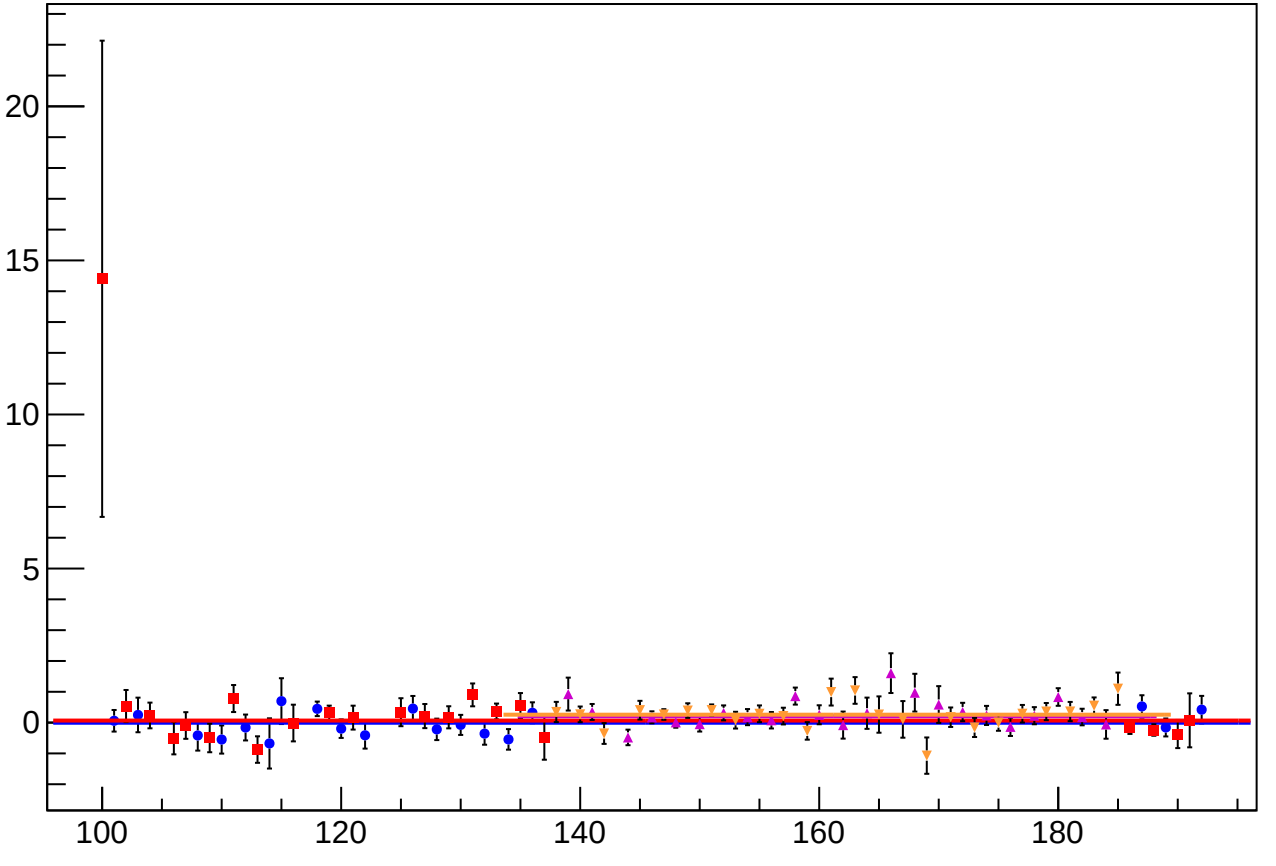
Right: 0.400+/-0.051 χ^2/NDF: 52.3/40

In: 0.230+/-0.056 χ^2/NDF:50.6/41

Out: 0.391+/-0.051 χ^2/NDF:82.9/45

All: 0.319+/-0.038 χ^2/NDF: 138.0/87

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: 0.066+/-0.077 χ^2/NDF: 29.6/21

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

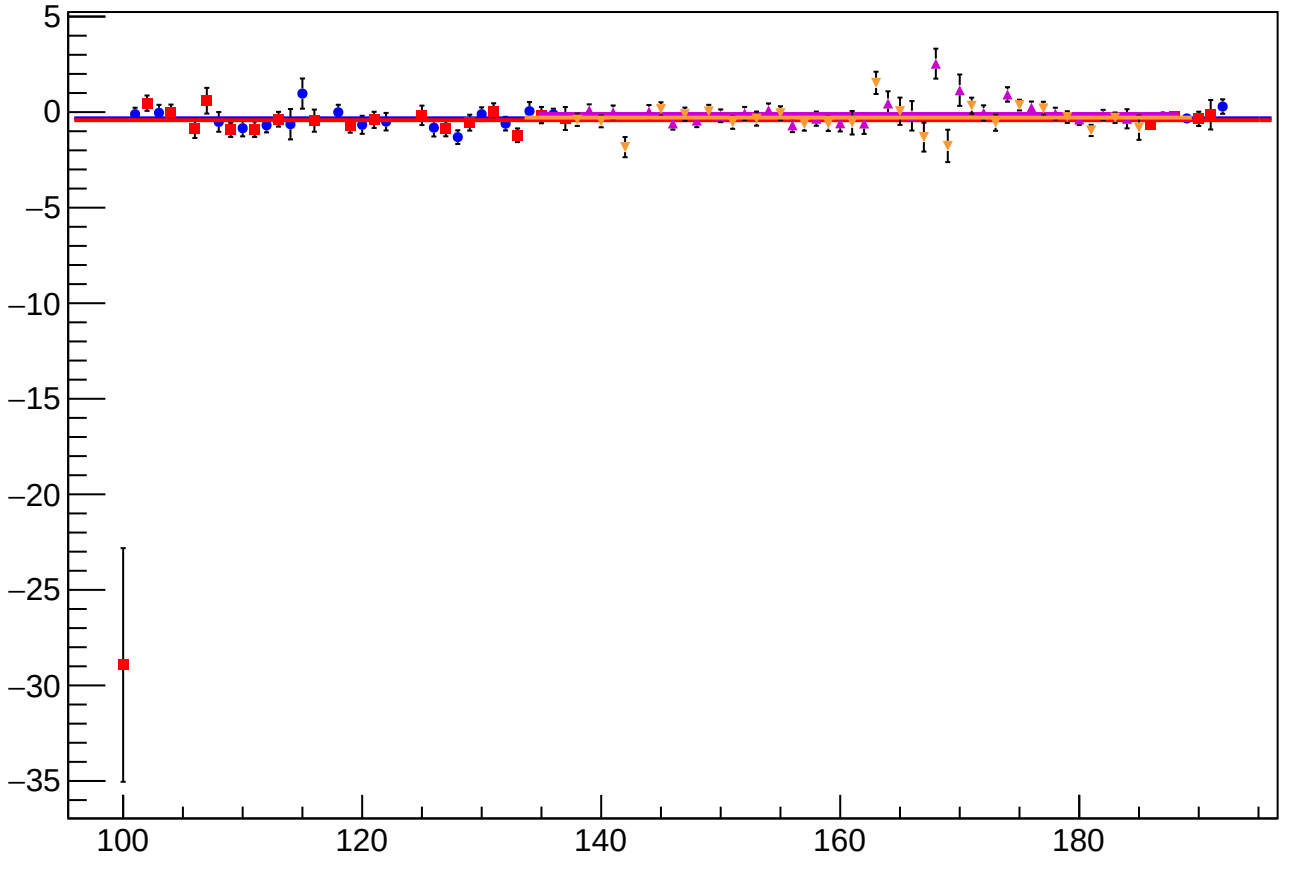
Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

Right: 0.035+/-0.057 χ^2/NDF: 48.5/40

In: 0.137+/-0.049 χ^2/NDF:54.5/41

Out: 0.186+/-0.047 χ^2/NDF:60.0/45

All: 0.162+/-0.034 χ^2/NDF: 115.0/87



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: -0.422+/-0.064 χ^2/NDF: 48.1/21

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

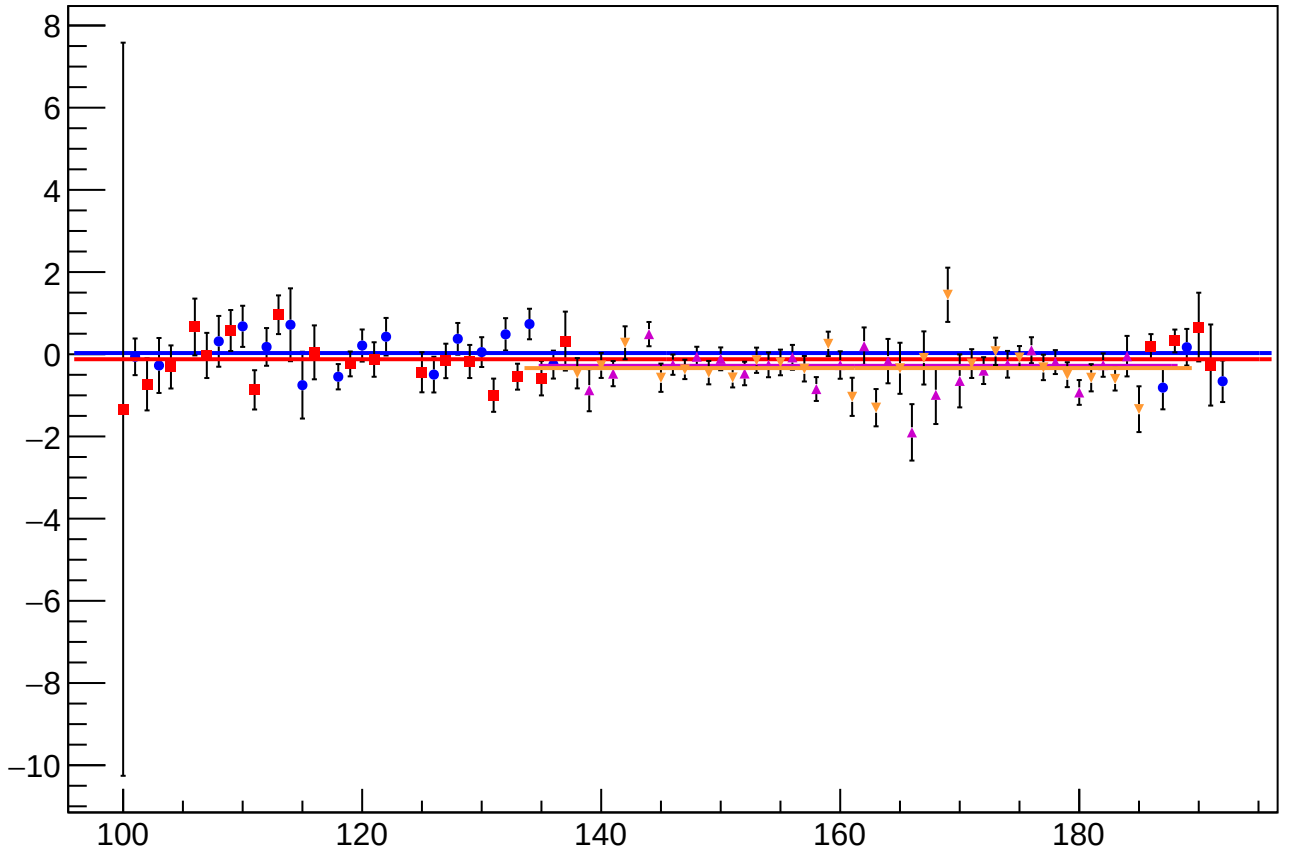
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.385+/-0.050 χ^2/NDF: 70.4/40

In: -0.209+/-0.056 χ^2/NDF:58.6/41

Out: -0.367+/-0.049 χ^2/NDF:95.0/45

All: -0.299+/-0.037 χ^2/NDF: 158.1/87



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: -0.121+/-0.096 χ^2/NDF: 25.3/21

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

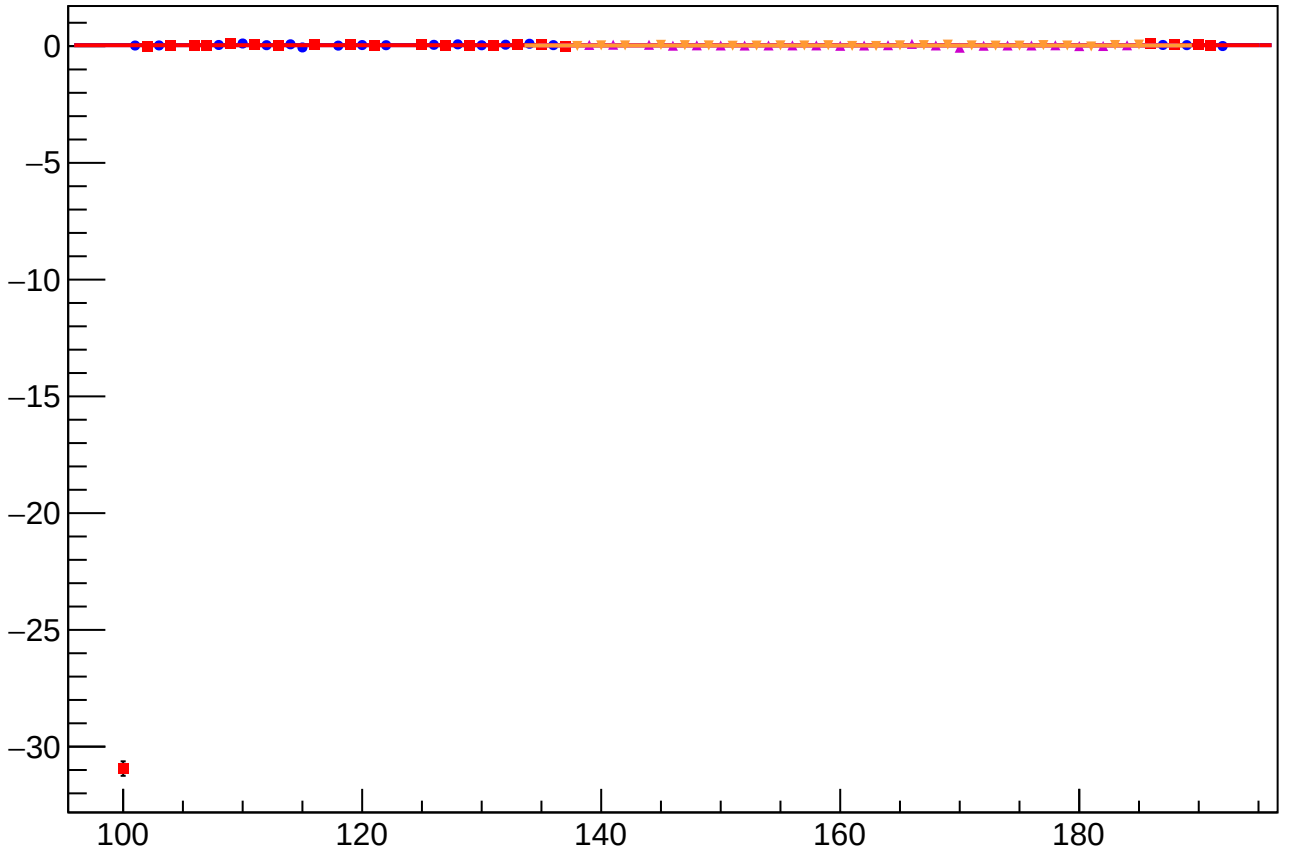
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.050+/-0.069 χ^2/NDF: 47.1/40

In: -0.183+/-0.057 χ^2/NDF:56.1/41

Out: -0.264+/-0.055 χ^2/NDF:58.8/45

All: -0.225+/-0.040 χ^2/NDF: 115.9/87



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: 10037.7/21

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

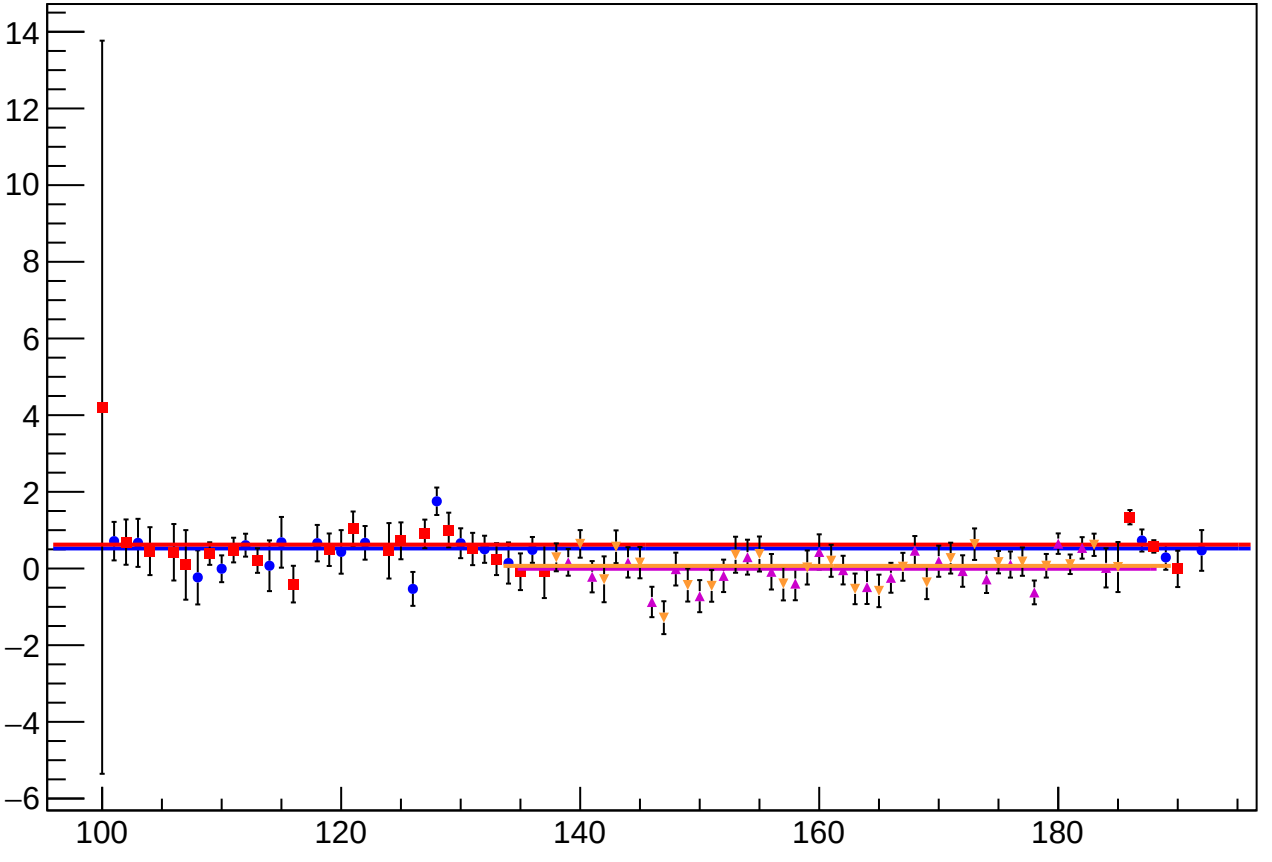
Right: 0.040+/-0.004 χ^2/NDF: 10064.4/40

In: 0.033+/-0.003 χ^2/NDF:69.6/41

Out: 0.030+/-0.003 χ^2/NDF:10068.0/45

All: 0.032+/-0.002 χ^2/NDF: 10137.9/87

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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: 0.623+/-0.079 χ^2/NDF: 30.7/21

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

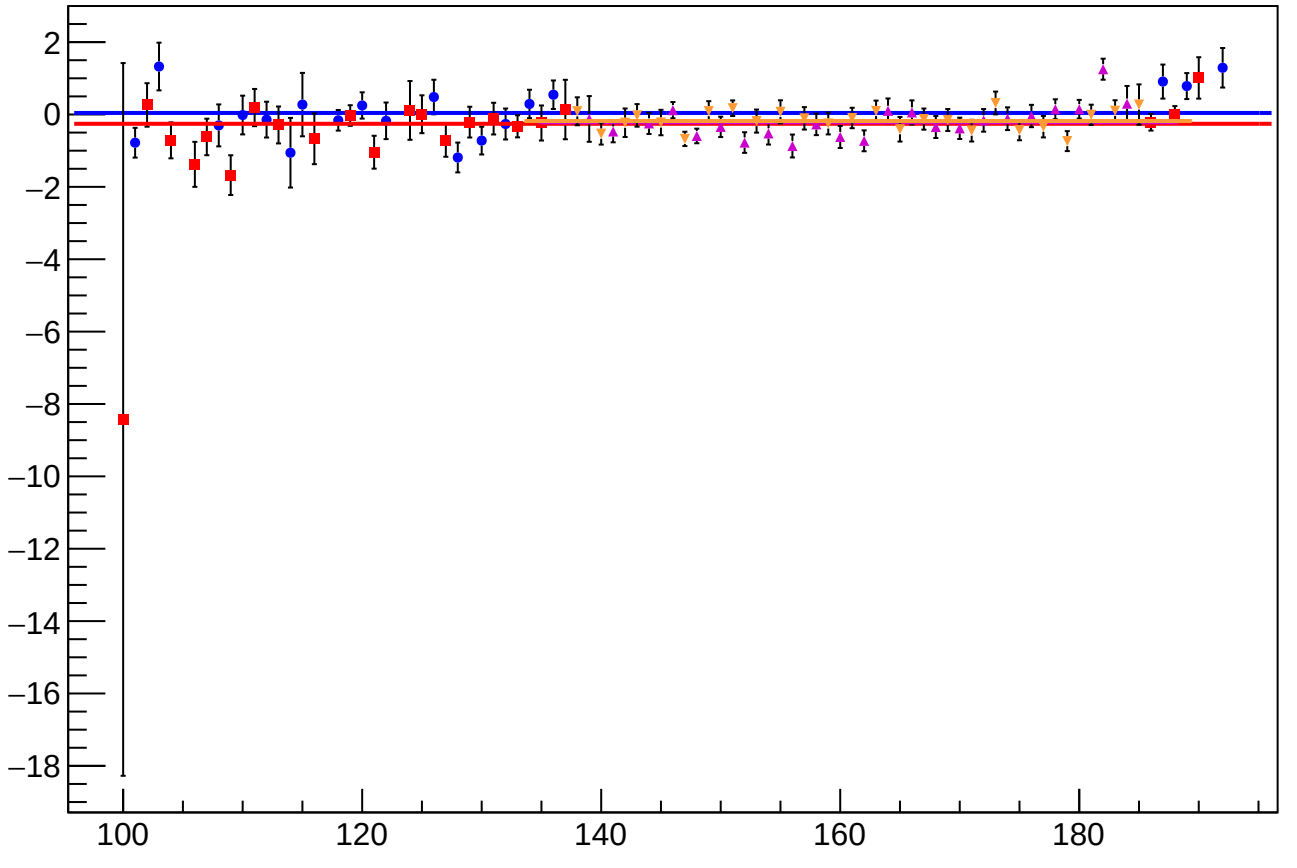
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.582+/-0.061 χ^2/NDF: 55.0/40

In: 0.211+/-0.061 χ^2/NDF:70.4/41

Out: 0.341+/-0.055 χ^2/NDF:87.1/46

All: 0.282+/-0.041 χ^2/NDF: 160.0/88



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: -0.257+/-0.091 χ^2/NDF: 25.5/21

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

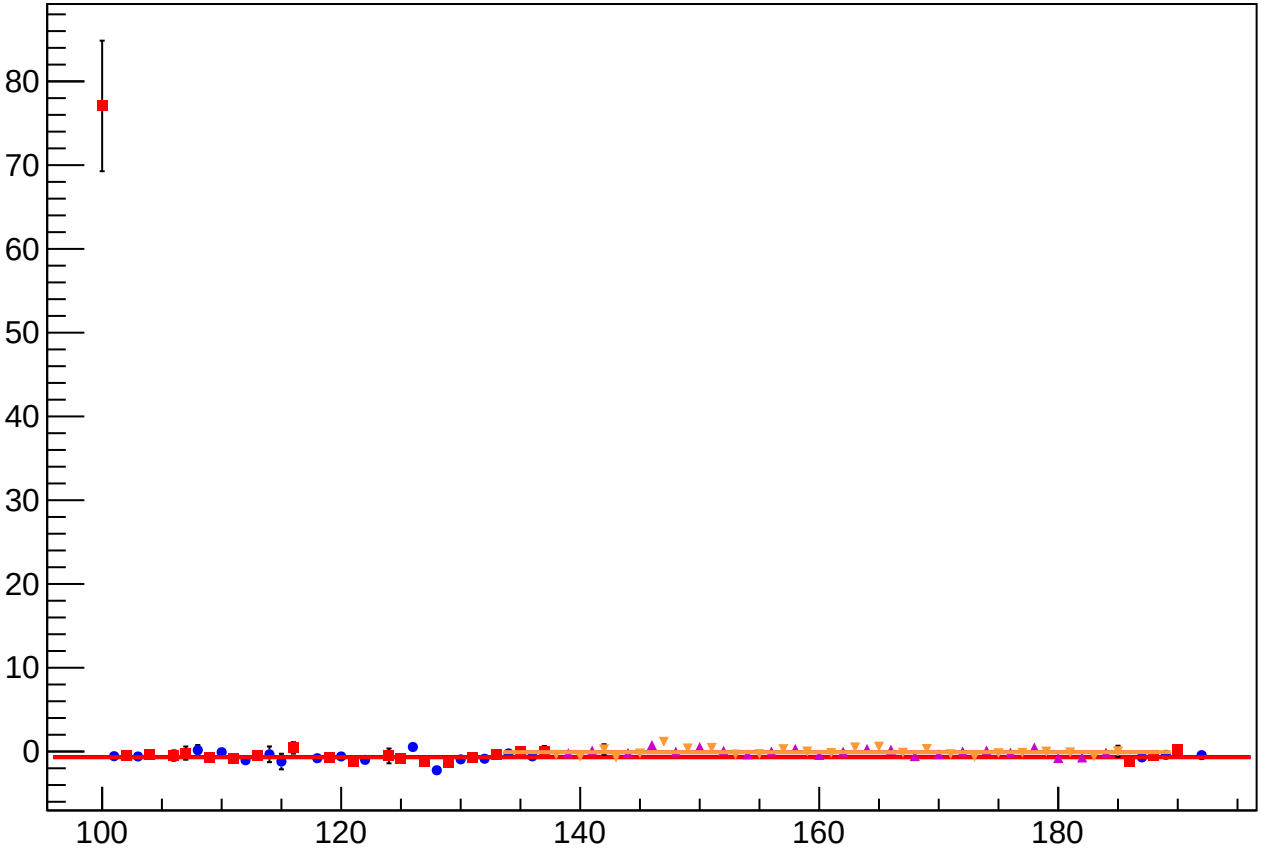
Right: -0.125+/-0.068 χ^2/NDF: 70.2/40

In: -0.147+/-0.053 χ^2/NDF:98.1/41

Out: -0.203+/-0.050 χ^2/NDF:50.7/46

All: -0.177+/-0.036 χ^2/NDF: 149.5/88

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -0.687+/-0.076 χ^2/NDF: 126.3/21

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

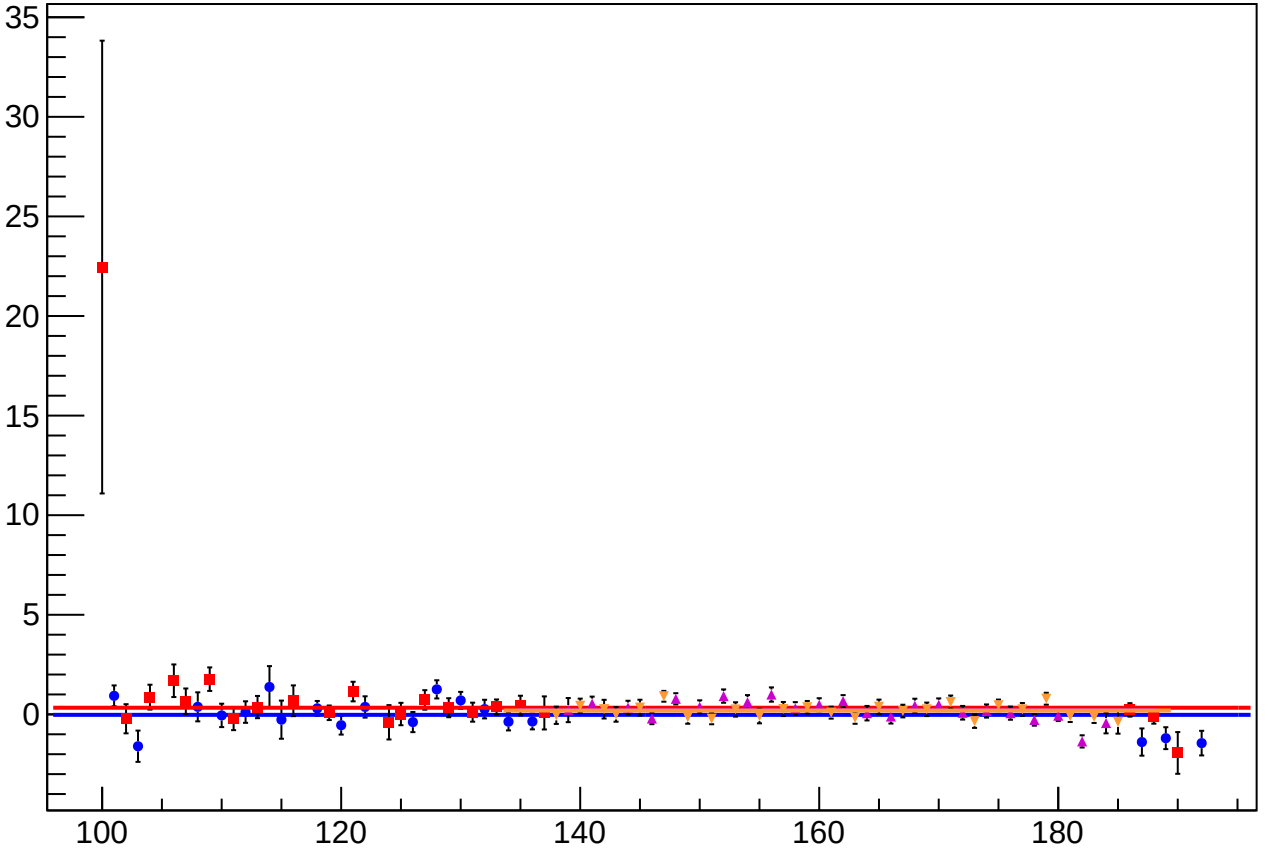
Right: -0.676+/-0.060 χ^2/NDF: 152.7/40

In: -0.303+/-0.061 χ^2/NDF:76.0/41

Out: -0.387+/-0.054 χ^2/NDF:188.5/46

All: -0.350+/-0.040 χ^2/NDF: 265.5/88

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 0.333+/-0.112 χ^2/NDF: 27.0/21

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

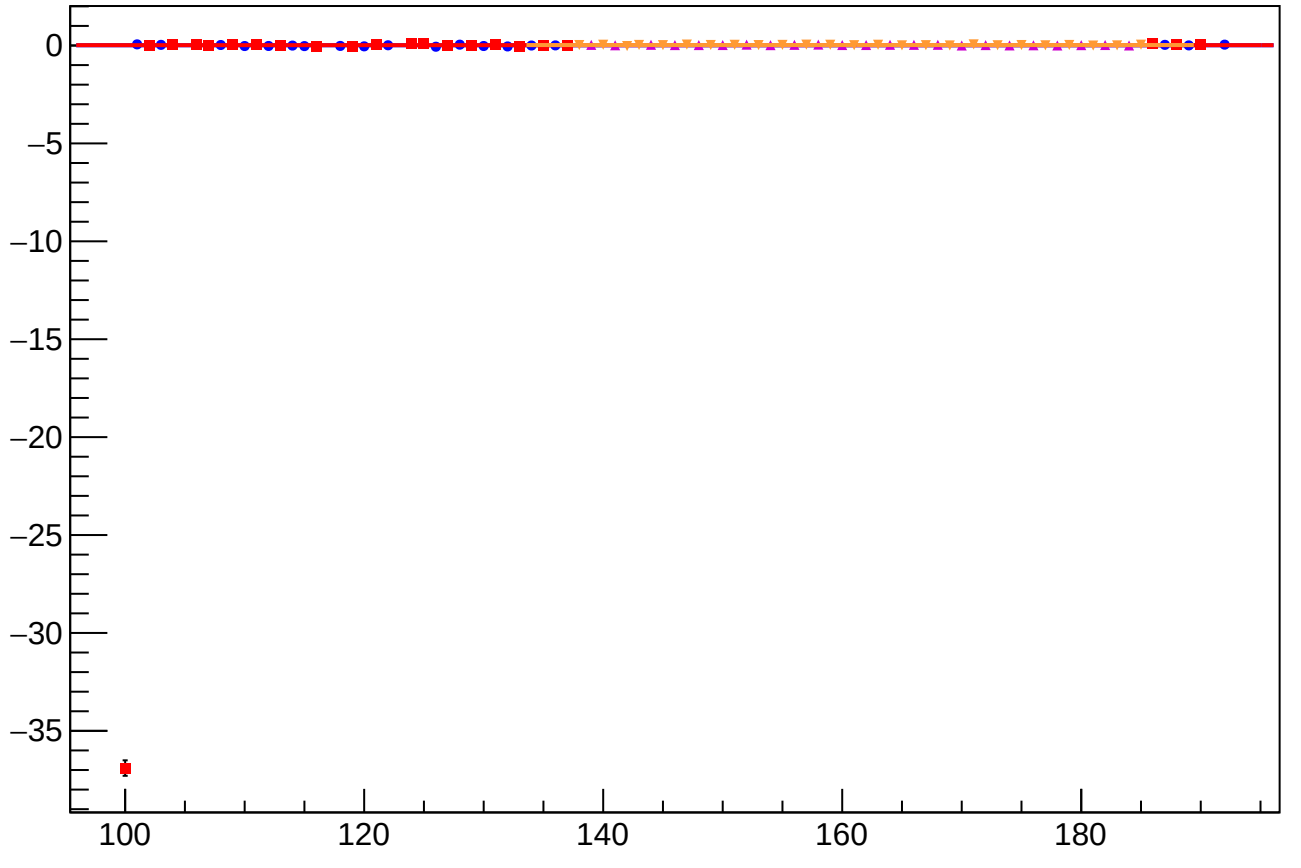
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: 0.166+/-0.082 χ^2/NDF: 70.6/40

In: 0.156+/-0.060 χ^2/NDF:96.9/41

Out: 0.230+/-0.057 χ^2/NDF:54.0/46

All: 0.194+/-0.041 χ^2/NDF: 151.7/88



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: 0.017+/-0.006 χ^2/NDF: 8774.5/21

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

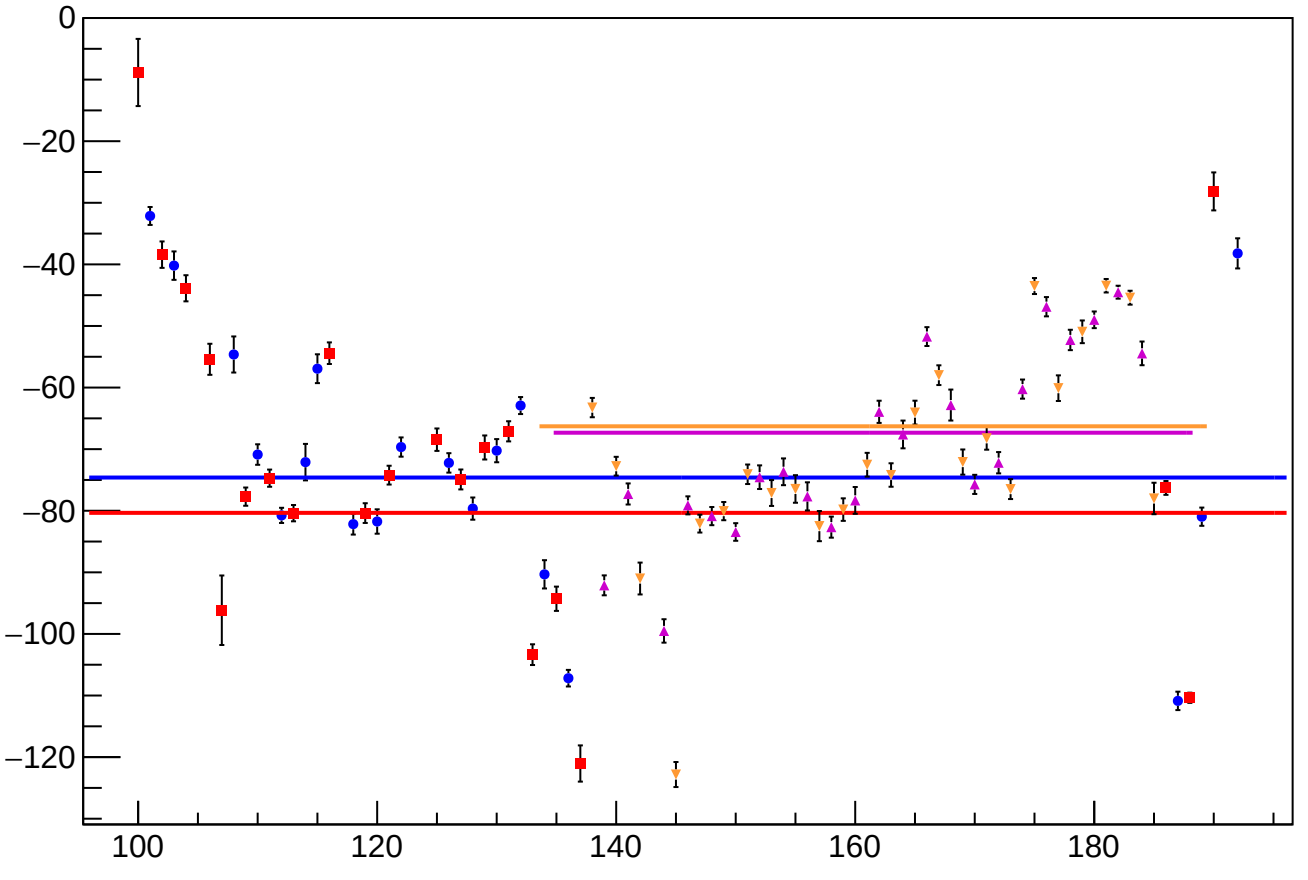
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.014+/-0.005 χ^2/NDF: 8796.2/40

In: 0.022+/-0.003 χ^2/NDF:42.4/41

Out: 0.023+/-0.003 χ^2/NDF:8805.6/46

All: 0.022+/-0.002 χ^2/NDF: 8848.1/88



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: -80.342+/-0.359 χ^2/NDF: 3401.5/20

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

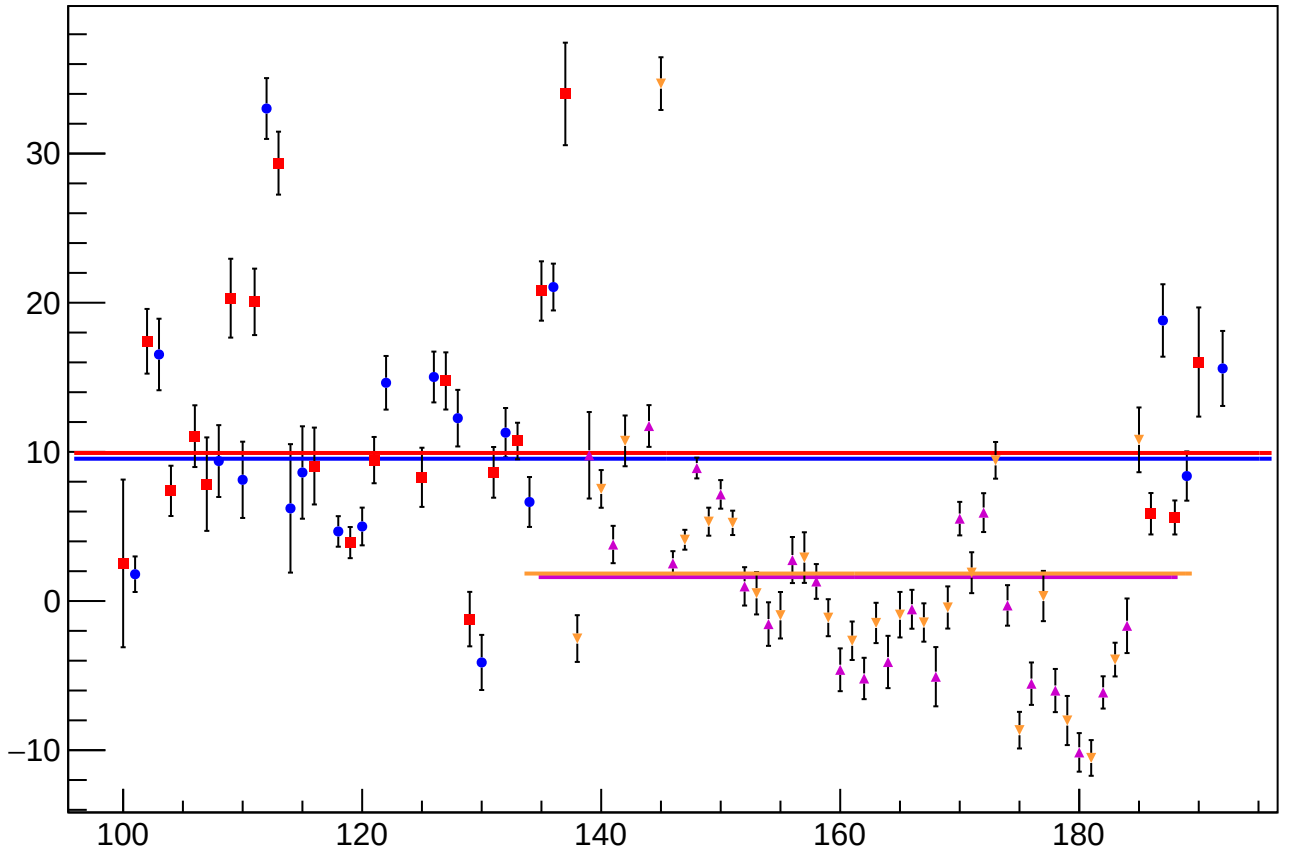
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -77.742+/-0.266 χ^2/NDF: 6312.8/39

In: -70.487+/-0.260 χ^2/NDF:5091.2/41

Out: -73.009+/-0.248 χ^2/NDF:6750.8/44

All: -71.804+/-0.179 χ^2/NDF: 11891.3/86



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: 9.927+/-0.391 χ^2/NDF: 320.8/20

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

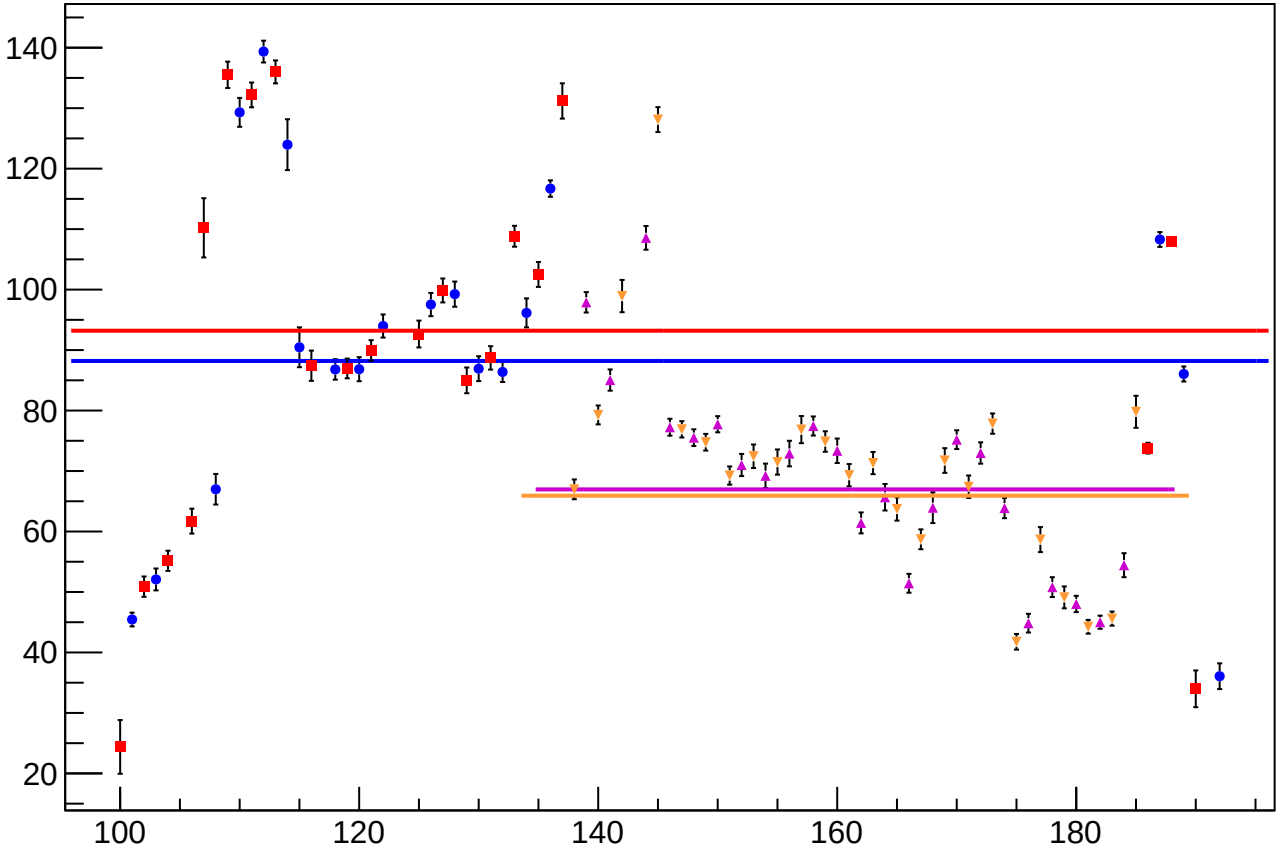
Right: 9.738+/-0.280 χ^2/NDF: 695.0/39

In: 3.936+/-0.217 χ^2/NDF:1147.3/41

Out: 4.243+/-0.213 χ^2/NDF:1402.0/44

All: 4.092+/-0.152 χ^2/NDF: 2550.4/86

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: 93.205+/-0.356 χ^2/NDF: 4554.1/20

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

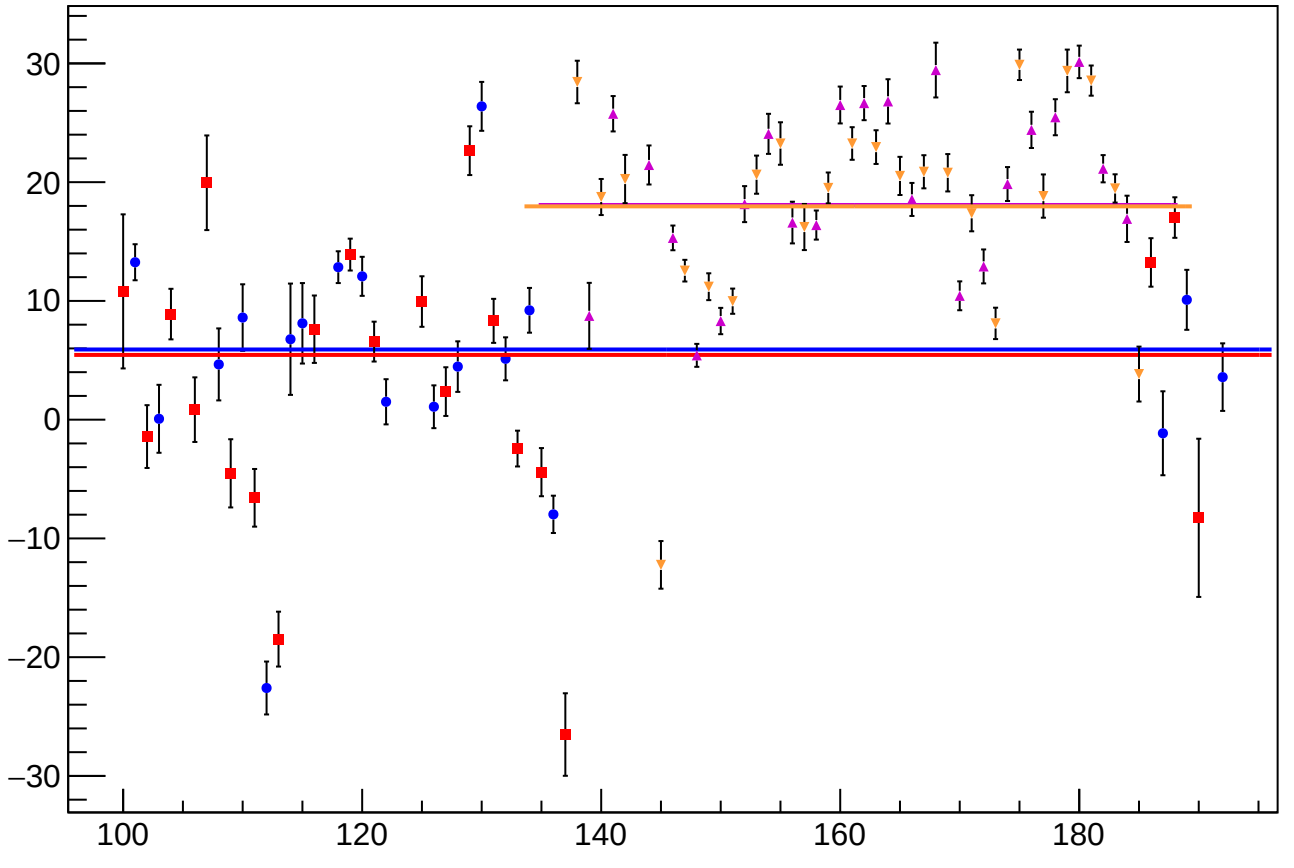
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 91.028+/-0.267 χ^2/NDF: 9072.6/39

In: 75.769+/-0.261 χ^2/NDF:8259.8/41

Out: 78.966+/-0.246 χ^2/NDF:10178.8/44

All: 77.463+/-0.179 χ^2/NDF: 18518.0/86



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: 5.454+/-0.474 χ^2/NDF: 490.4/20

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

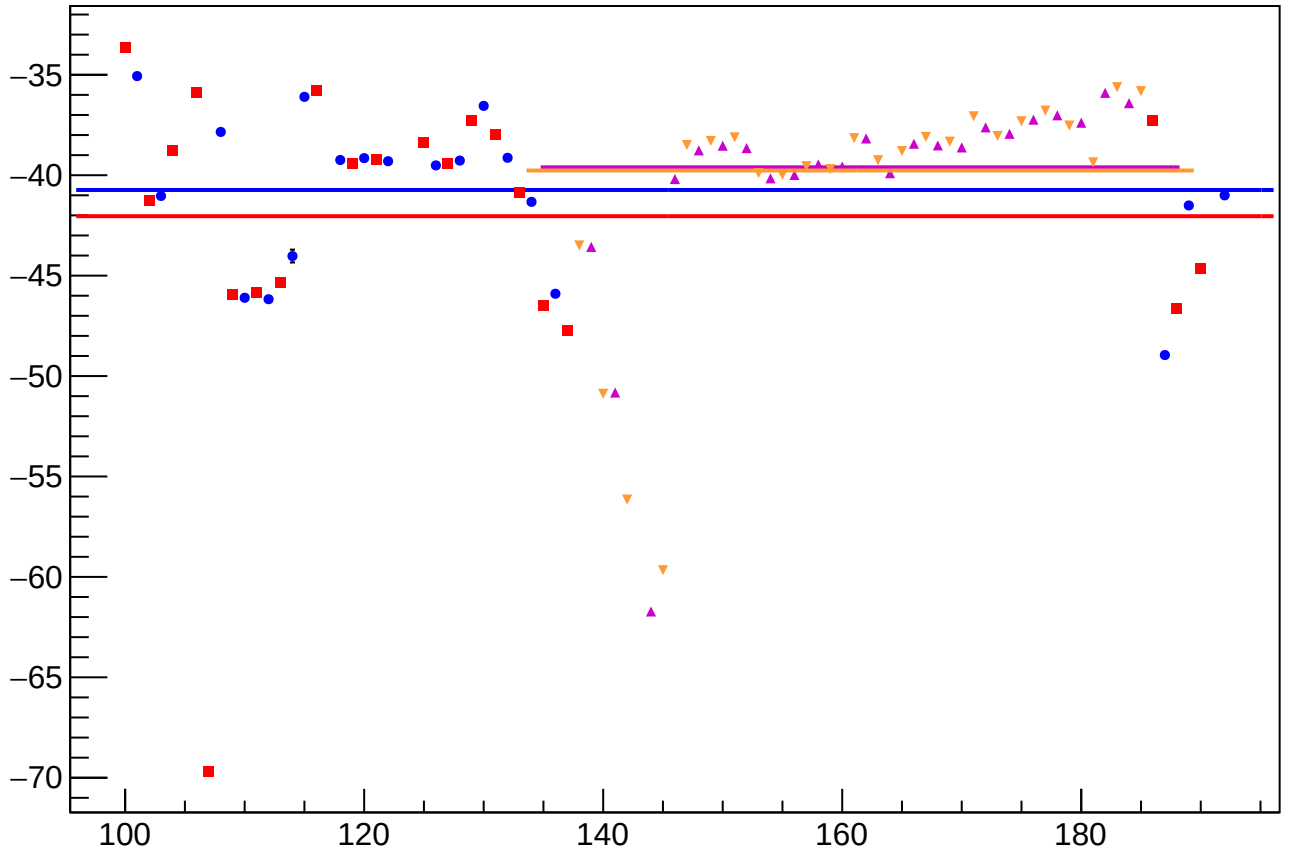
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 5.682+/-0.335 χ^2/NDF: 925.0/39

In: 14.686+/-0.250 χ^2/NDF:1514.2/41

Out: 14.519+/-0.249 χ^2/NDF:1727.9/44

All: 14.602+/-0.176 χ^2/NDF: 3242.3/86



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: -42.041+/-0.027 χ^2/NDF: 40861.4/20

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

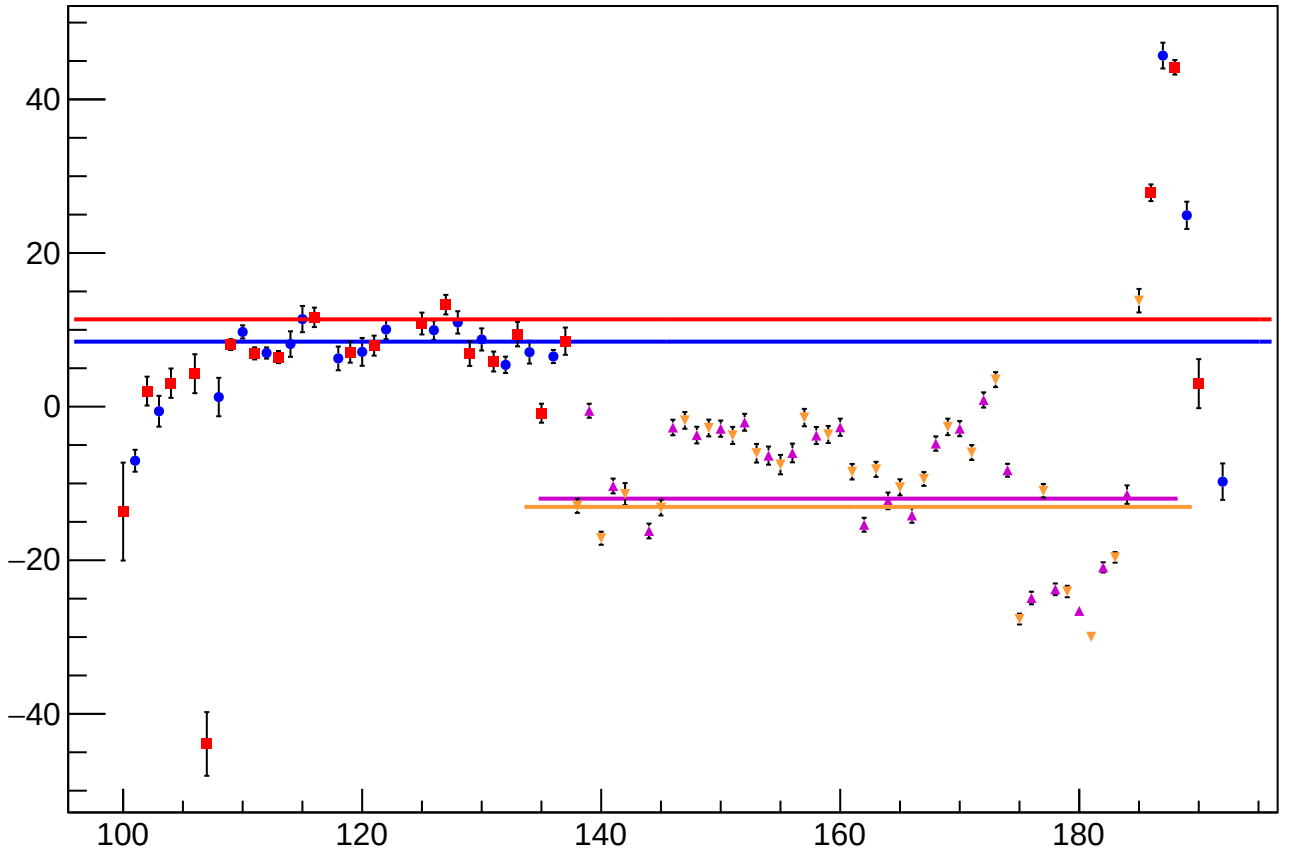
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -41.363+/-0.019 χ^2/NDF: 62065.4/39

In: -39.842+/-0.012 χ^2/NDF:128119.3/41

Out: -40.217+/-0.012 χ^2/NDF:176421.1/44

All: -40.027+/-0.008 χ^2/NDF: 305030.8/86



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: 11.364+/-0.274 χ^2/NDF: 1911.8/20

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

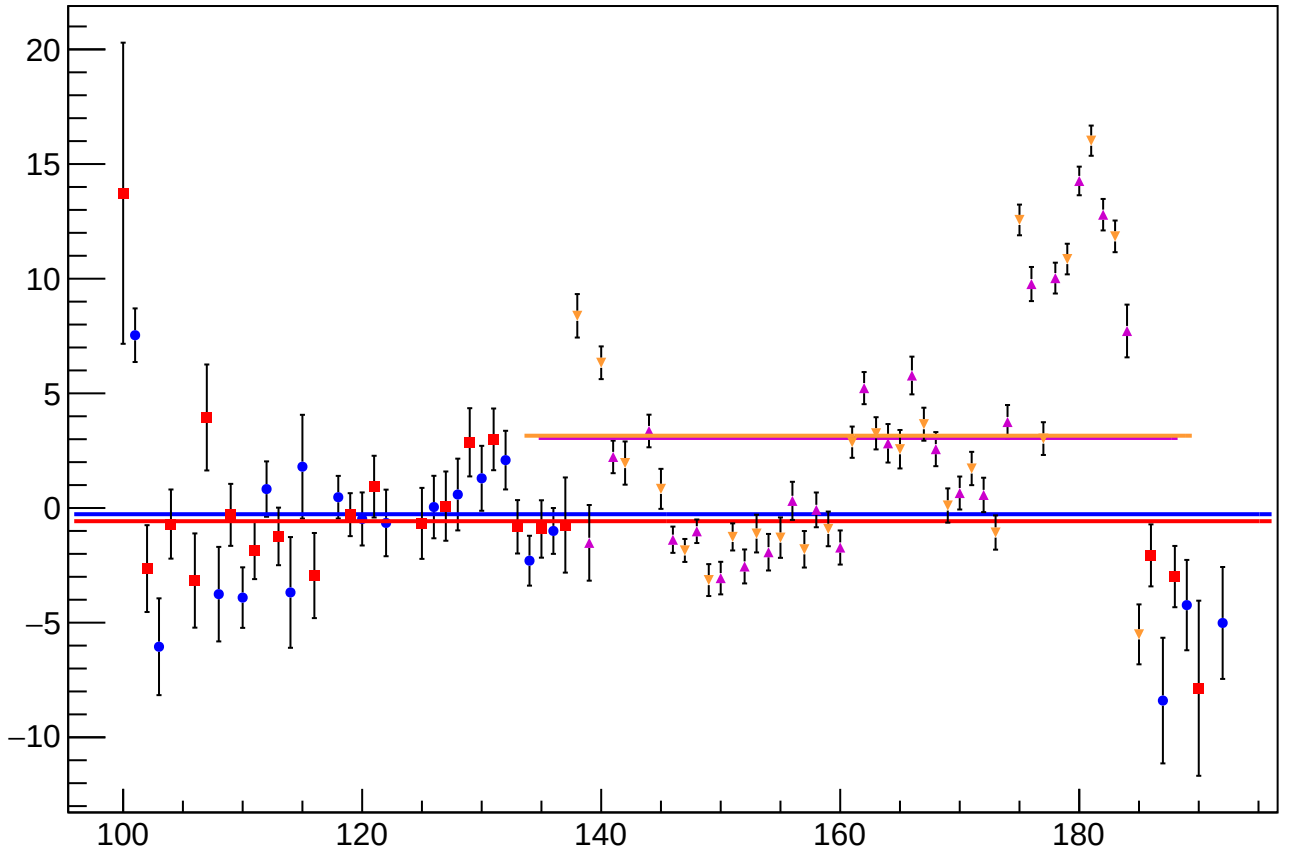
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

Right: 10.030+/-0.202 χ^2/NDF: 2777.1/39

In: -5.812+/-0.163 χ^2/NDF:6288.3/41

Out: -4.978+/-0.158 χ^2/NDF:10086.6/44

All: -5.380+/-0.113 χ^2/NDF: 16388.5/86



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: -0.575+/-0.323 χ^2/NDF: 36.5/20

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

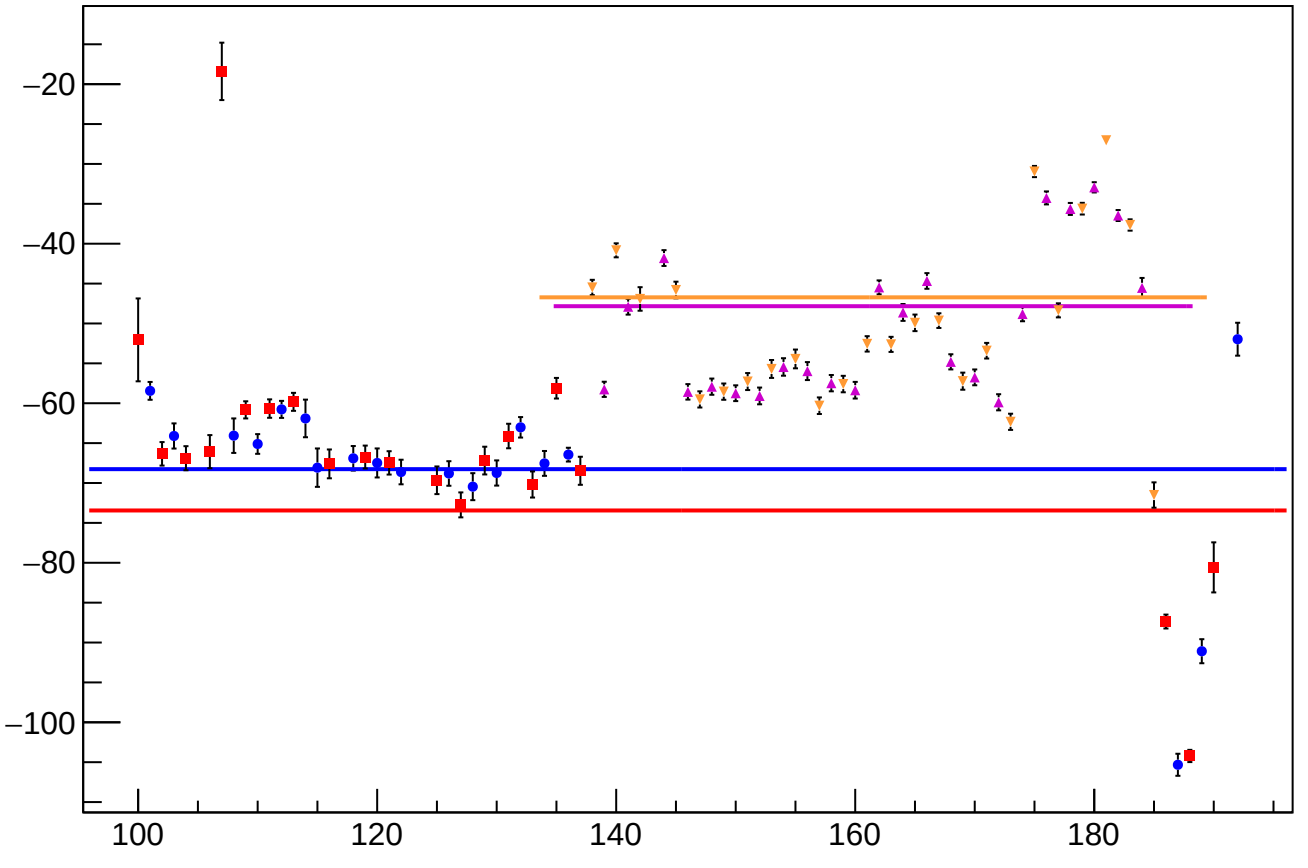
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -0.422+/-0.228 χ^2/NDF: 129.5/39

In: 2.448+/-0.137 χ^2/NDF:1324.9/41

Out: 2.497+/-0.135 χ^2/NDF:1531.6/44

All: 2.473+/-0.096 χ^2/NDF: 2856.6/86



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: -73.444+/-0.304 χ^2/NDF: 2841.9/20

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

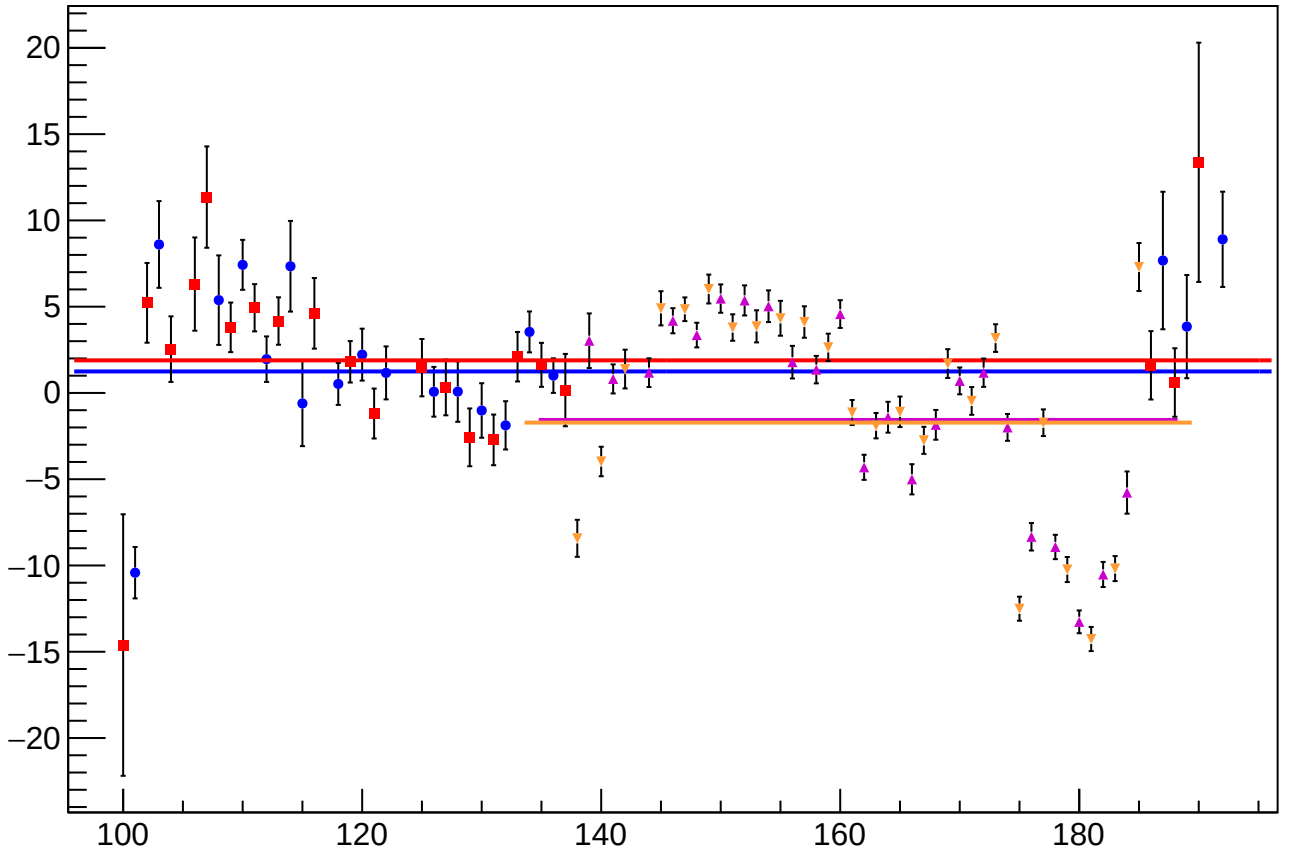
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -71.066+/-0.224 χ^2/NDF: 4161.7/39

In: -53.074+/-0.167 χ^2/NDF:6592.5/41

Out: -54.317+/-0.162 χ^2/NDF:11817.2/44

All: -53.715+/-0.116 χ^2/NDF: 18438.2/86



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: 1.890+/-0.375 χ^2/NDF: 57.7/20

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

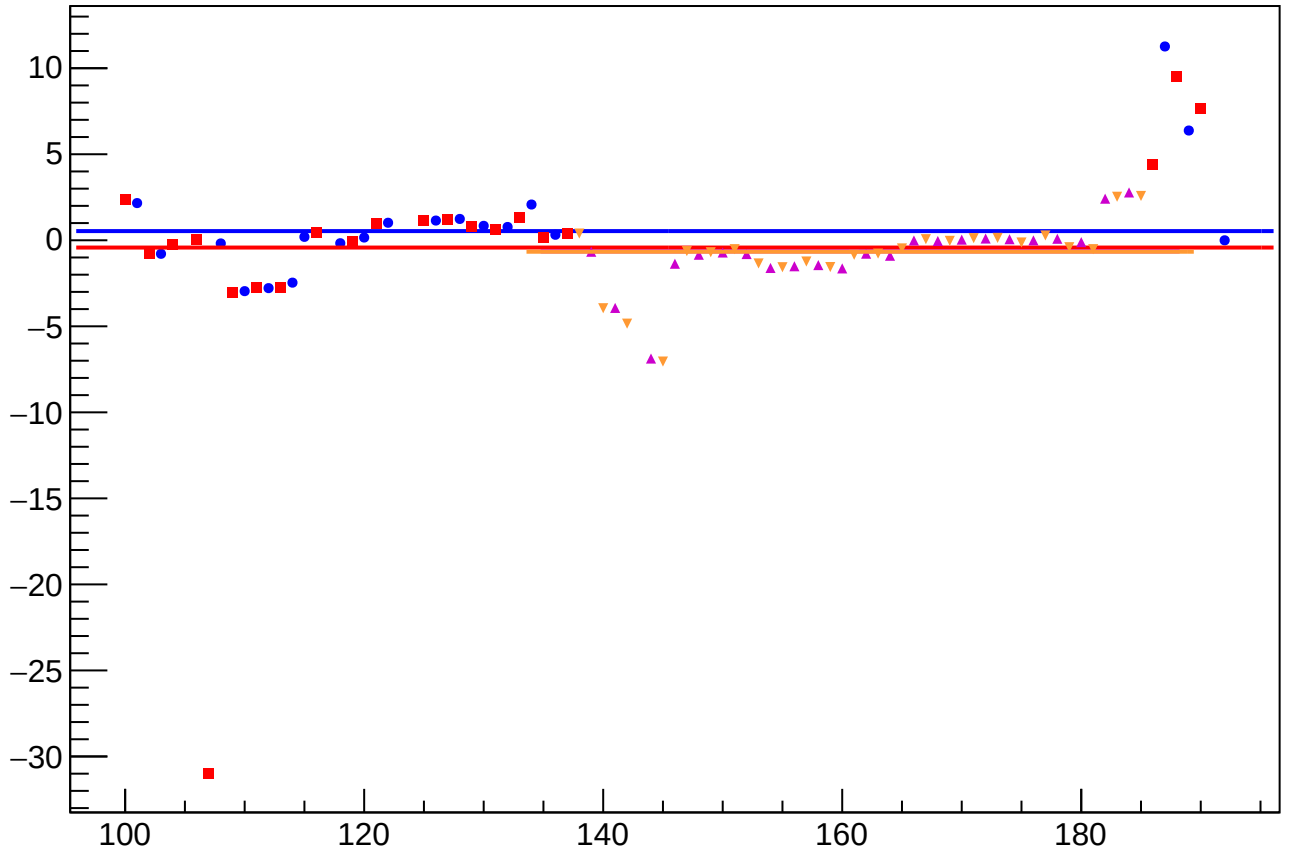
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 1.562+/-0.263 χ^2/NDF: 179.9/39

In: -1.068+/-0.155 χ^2/NDF:1286.6/41

Out: -1.116+/-0.153 χ^2/NDF:1540.9/44

All: -1.092+/-0.109 χ^2/NDF: 2827.5/86



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: -0.423+/-0.021 χ^2/NDF: 59910.5/20

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

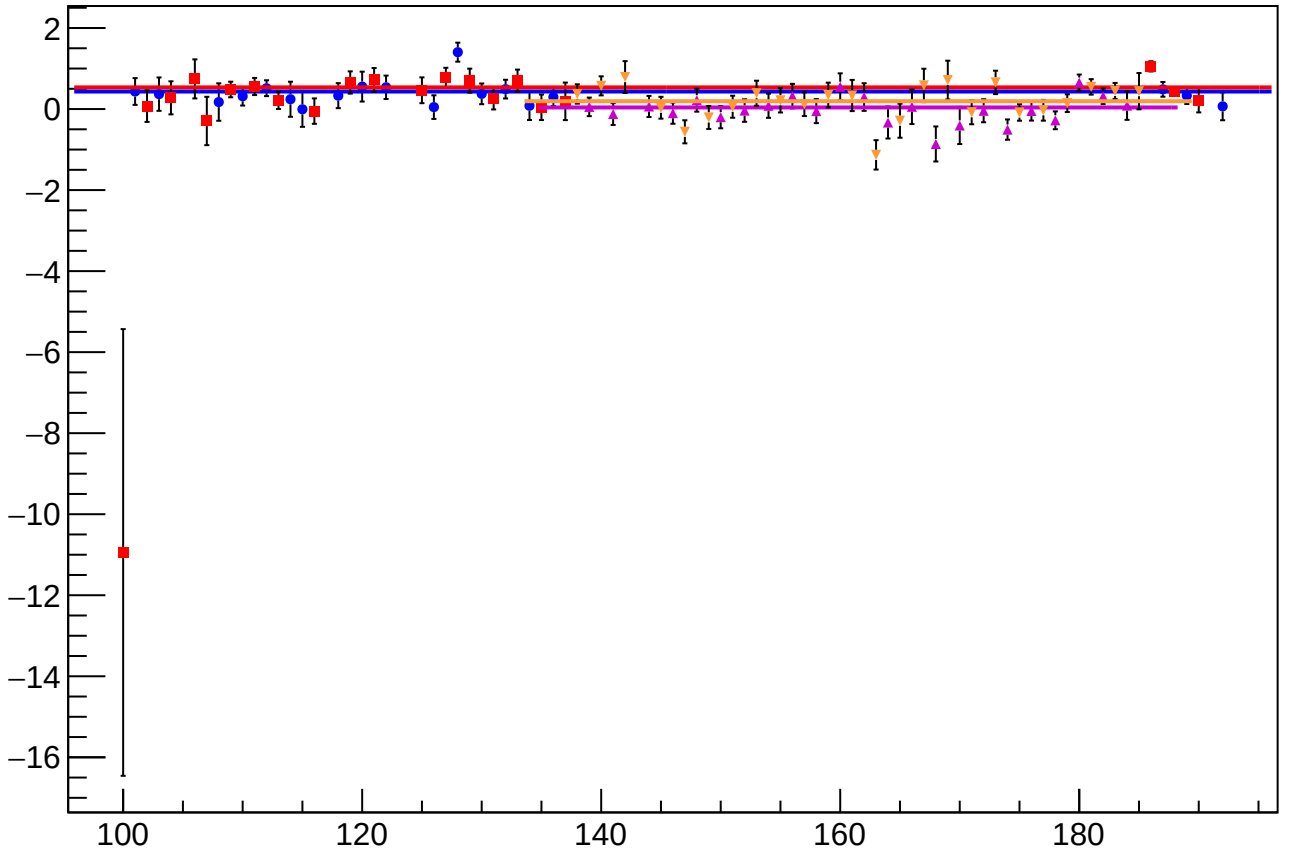
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.082+/-0.015 χ^2/NDF: 70394.2/39

In: -0.501+/-0.007 χ^2/NDF:57997.5/41

Out: -0.639+/-0.007 χ^2/NDF:115302.3/44

All: -0.570+/-0.005 χ^2/NDF: 173489.9/86



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: 0.535+/-0.052 χ^2/NDF: 39.3/20

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

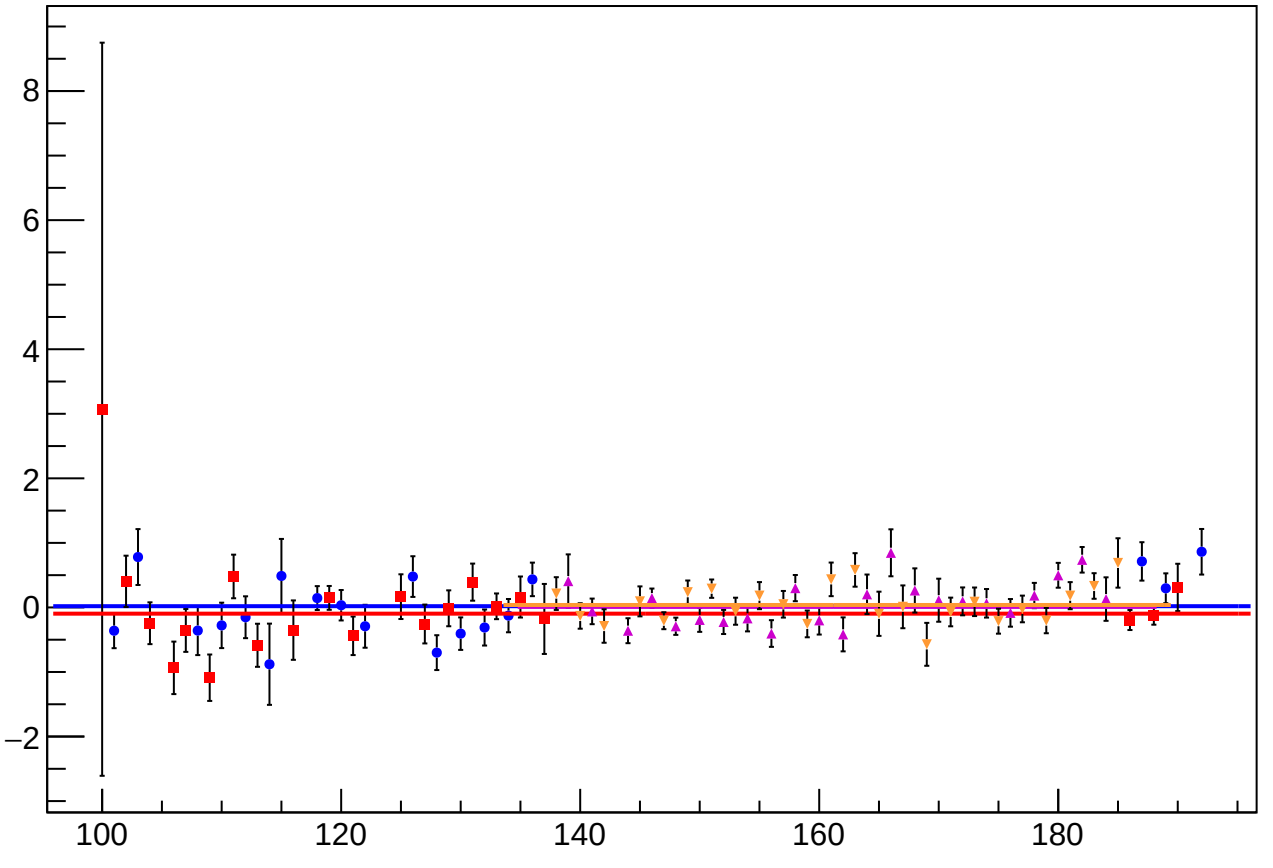
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.493+/-0.040 χ^2/NDF: 65.1/39

In: 0.221+/-0.042 χ^2/NDF:76.3/41

Out: 0.380+/-0.038 χ^2/NDF:103.1/44

All: 0.308+/-0.028 χ^2/NDF: 187.1/86



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: -0.096+/-0.060 χ^2/NDF: 29.6/20

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

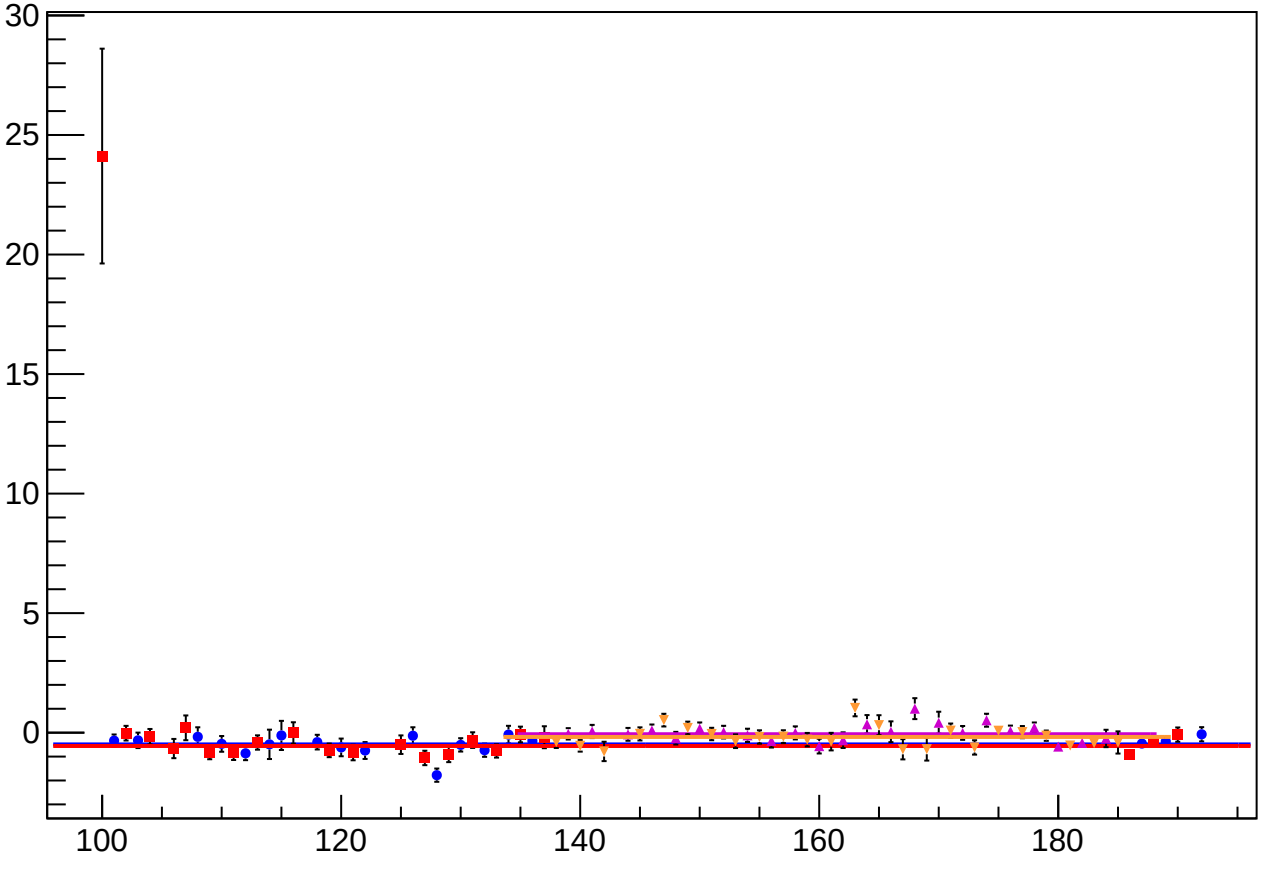
Right: -0.045+/-0.045 χ^2/NDF: 71.3/39

In: 0.012+/-0.037 χ^2/NDF:91.5/41

Out: -0.008+/-0.035 χ^2/NDF:65.6/44

All: 0.001+/-0.025 χ^2/NDF: 157.2/86

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: -0.557+/-0.050 χ^2/NDF: 67.0/20

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

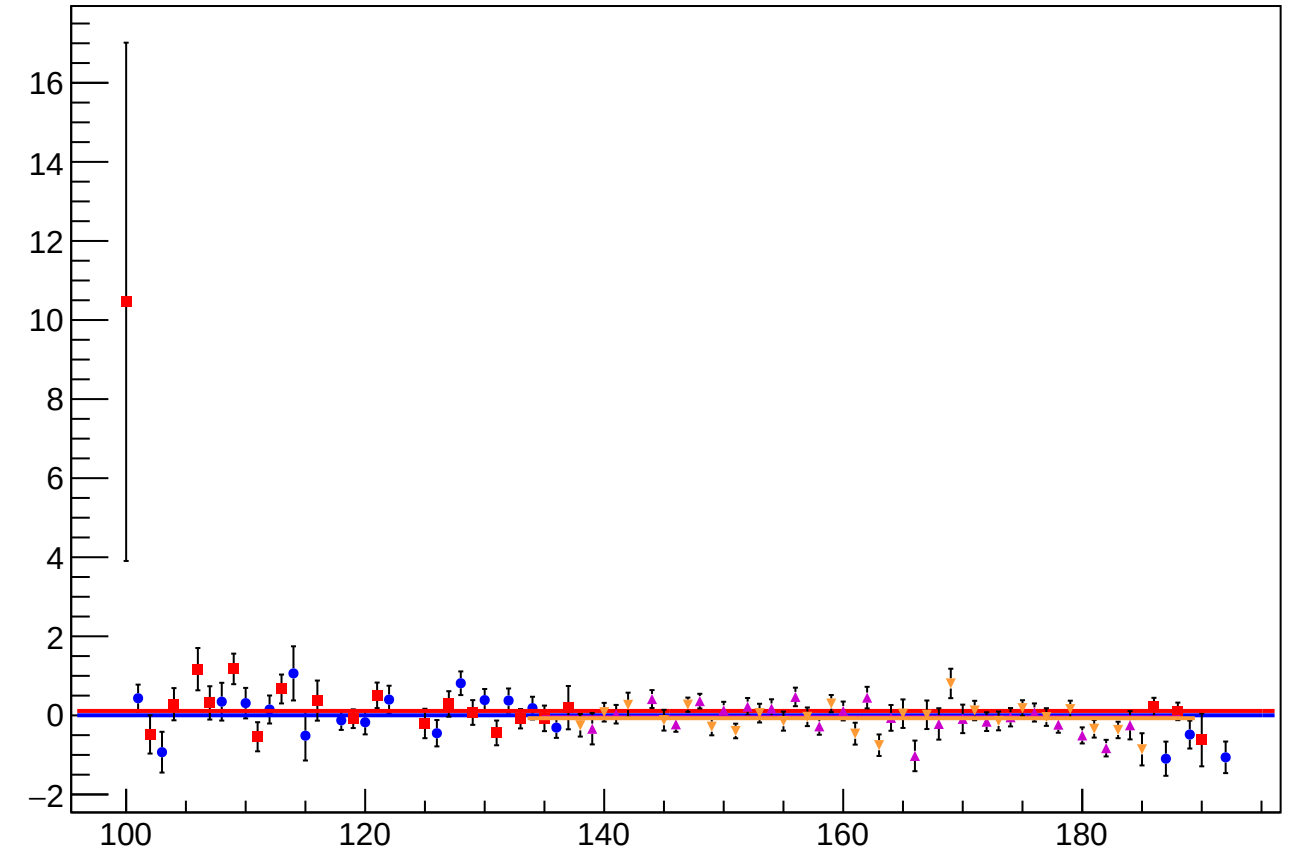
Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

Right: -0.532+/-0.039 χ^2/NDF: 99.2/39

In: -0.255+/-0.042 χ^2/NDF:87.9/41

Out: -0.391+/-0.037 χ^2/NDF:134.6/44

All: -0.332+/-0.028 χ^2/NDF: 228.3/86



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: 0.112+/-0.074 χ^2/NDF: 30.4/20

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

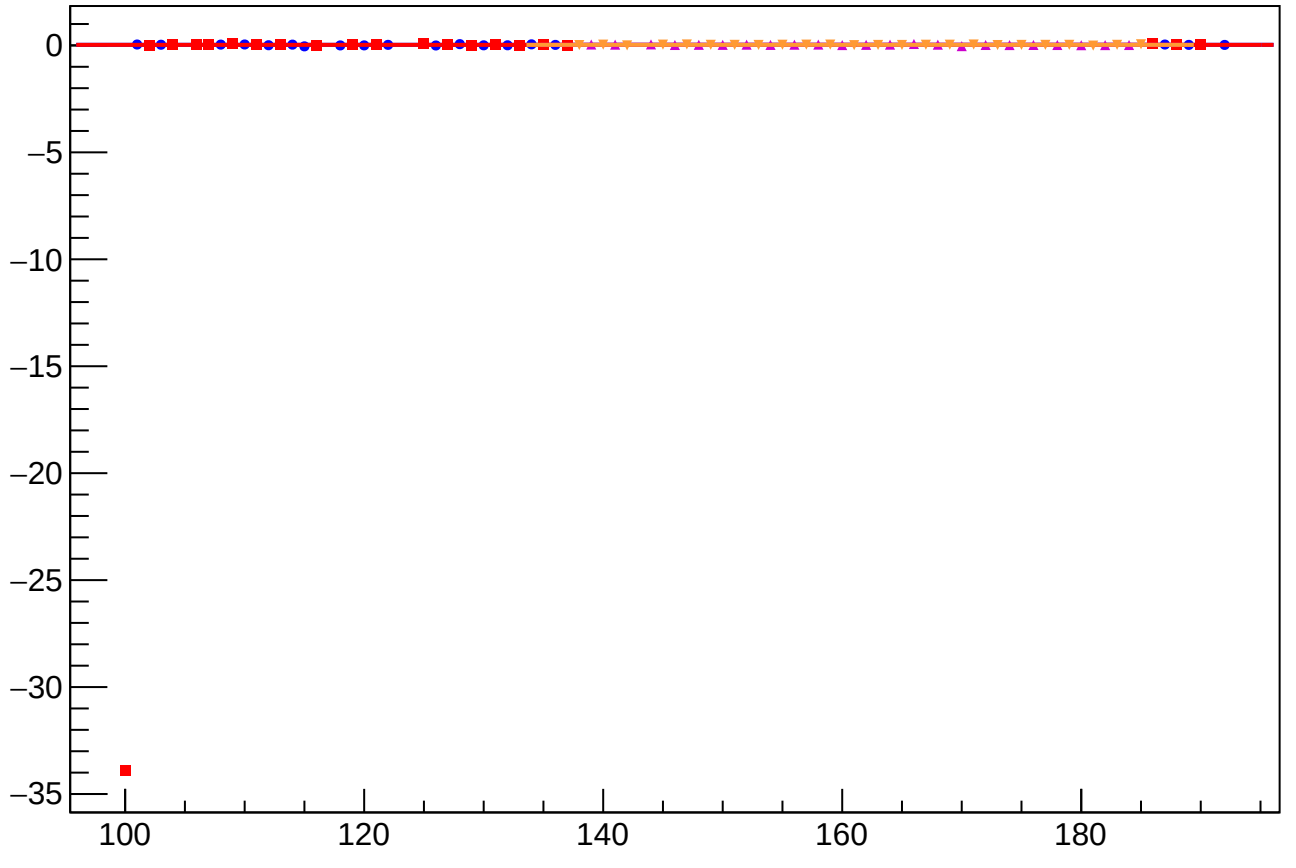
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: 0.060+/-0.054 χ^2/NDF: 72.4/39

In: -0.033+/-0.042 χ^2/NDF:91.7/41

Out: -0.015+/-0.041 χ^2/NDF:72.4/44

All: -0.024+/-0.029 χ^2/NDF: 164.2/86



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: 0.026+/-0.004 χ^2/NDF: 22304.0/20

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

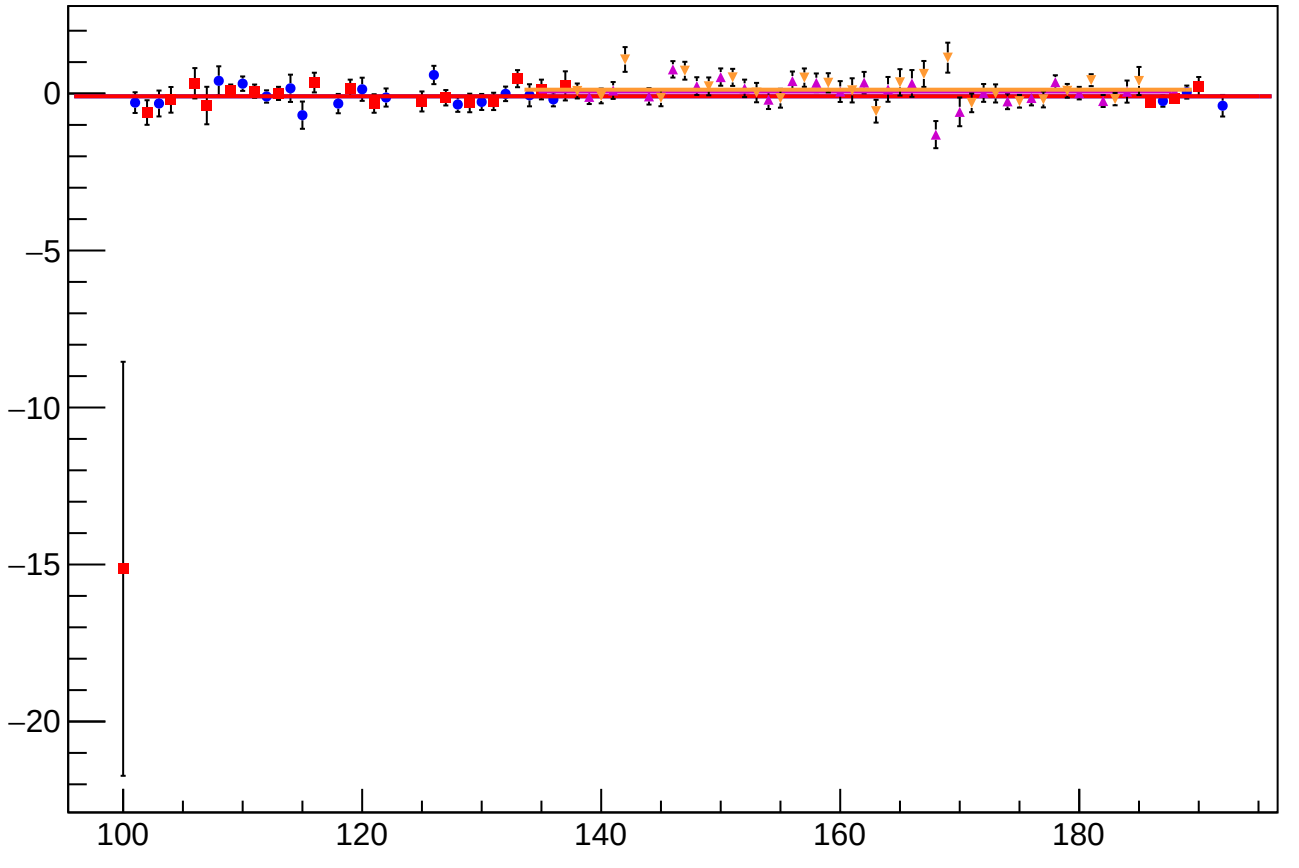
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.026+/-0.003 χ^2/NDF: 22319.1/39

In: 0.026+/-0.002 χ^2/NDF:54.6/41

Out: 0.026+/-0.002 χ^2/NDF:22335.4/44

All: 0.026+/-0.001 χ^2/NDF: 22390.0/86



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: -0.088+/-0.052 χ^2/NDF: 23.8/20

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

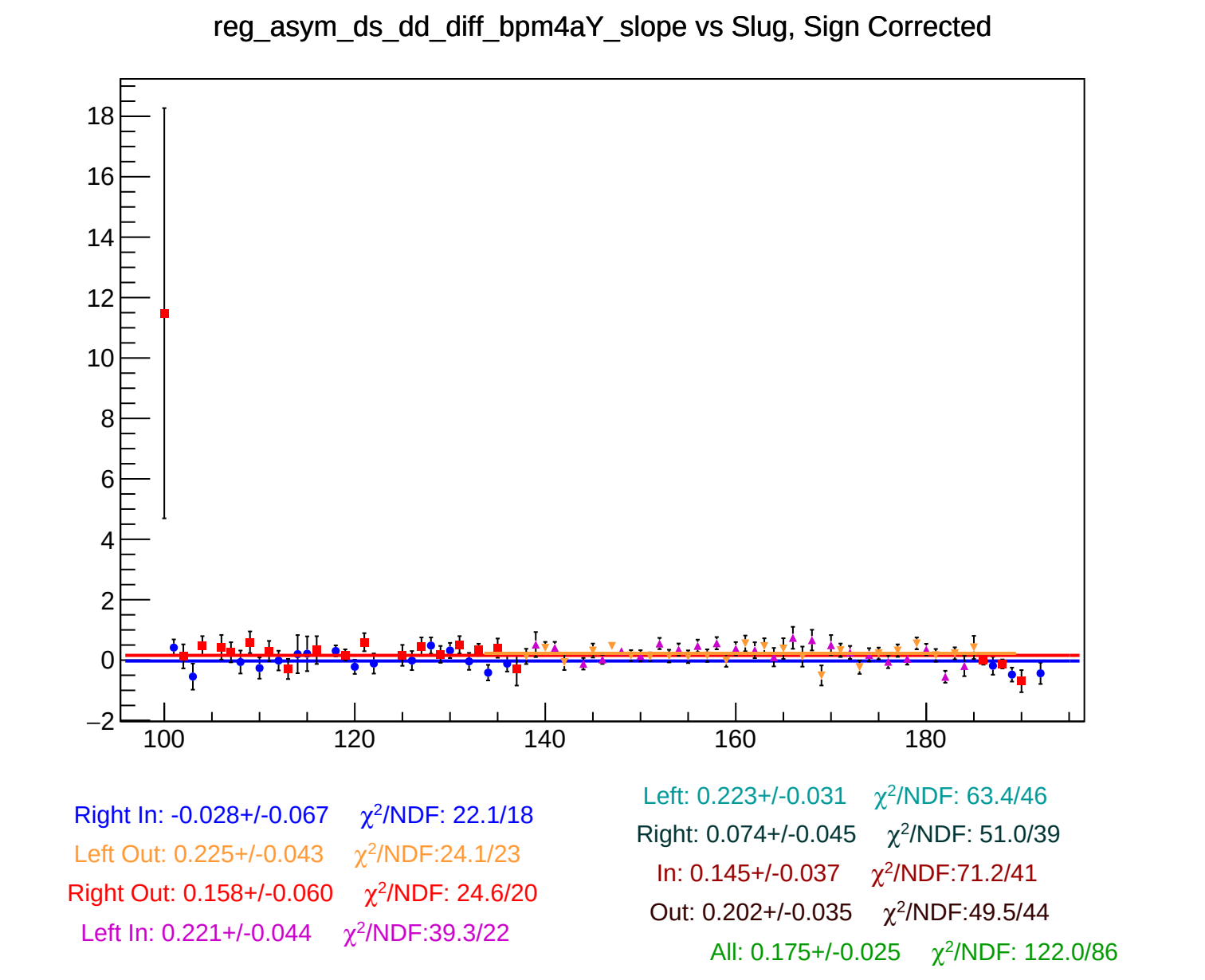
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

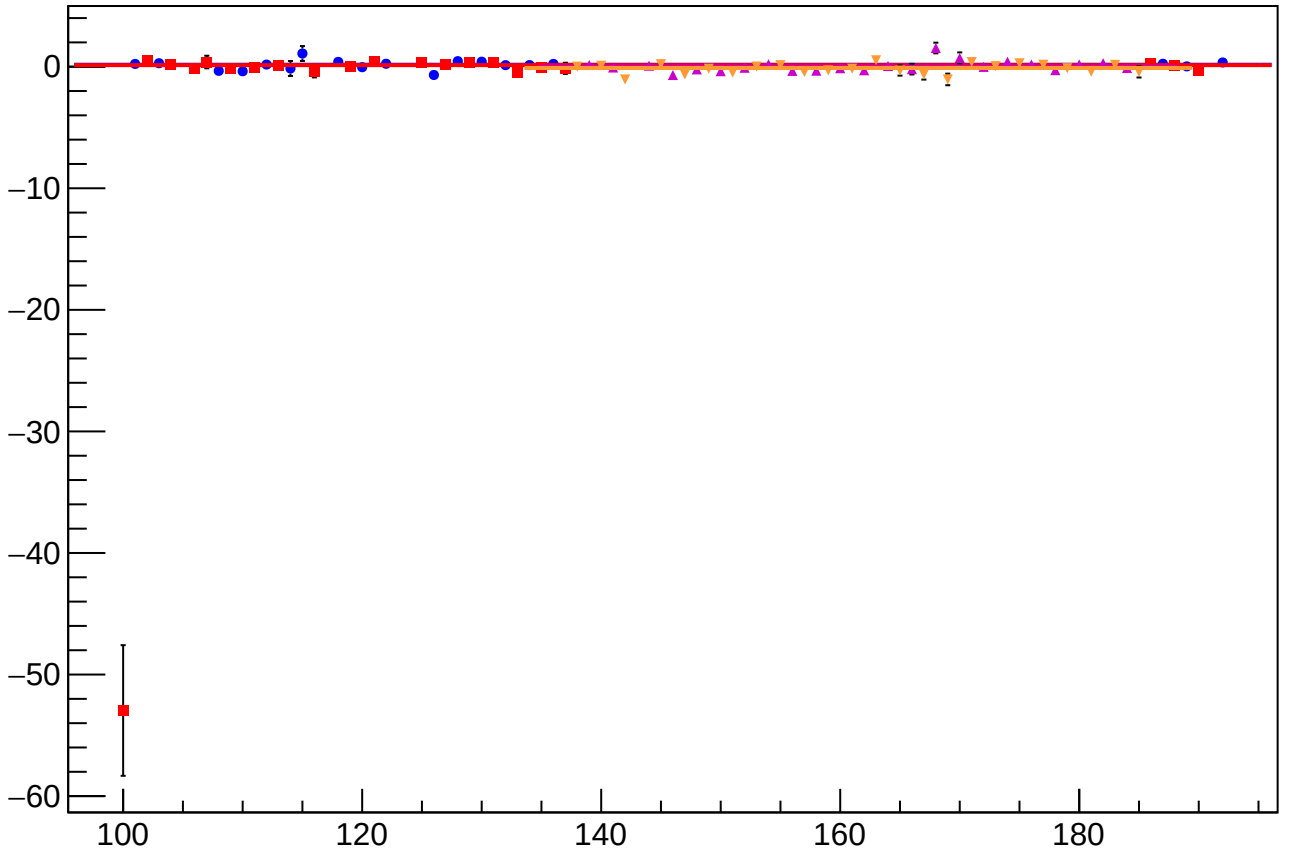
Right: -0.089+/-0.040 χ^2/NDF: 41.2/39

In: -0.008+/-0.042 χ^2/NDF:55.0/41

Out: 0.008+/-0.038 χ^2/NDF:70.8/44

All: 0.001+/-0.028 χ^2/NDF: 125.9/86


reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
18
16
14
12
10
8
6
4
2
0
−2
100
120
140
160
180
Right In: -0.028+/-0.067 χ²/NDF: 22.1/18
Left Out: 0.225+/-0.043 χ²/NDF:24.1/23
Right Out: 0.158+/-0.060 χ²/NDF: 24.6/20
Left In: 0.221+/-0.044 χ²/NDF:39.3/22
Left: 0.223+/-0.031 χ²/NDF: 63.4/46
Right: 0.074+/-0.045 χ²/NDF: 51.0/39
In: 0.145+/-0.037 χ²/NDF:71.2/41
Out: 0.202+/-0.035 χ²/NDF:49.5/44
All: 0.175+/-0.025 χ²/NDF: 122.0/86



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: 0.129+/-0.050 χ^2/NDF: 113.5/20

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

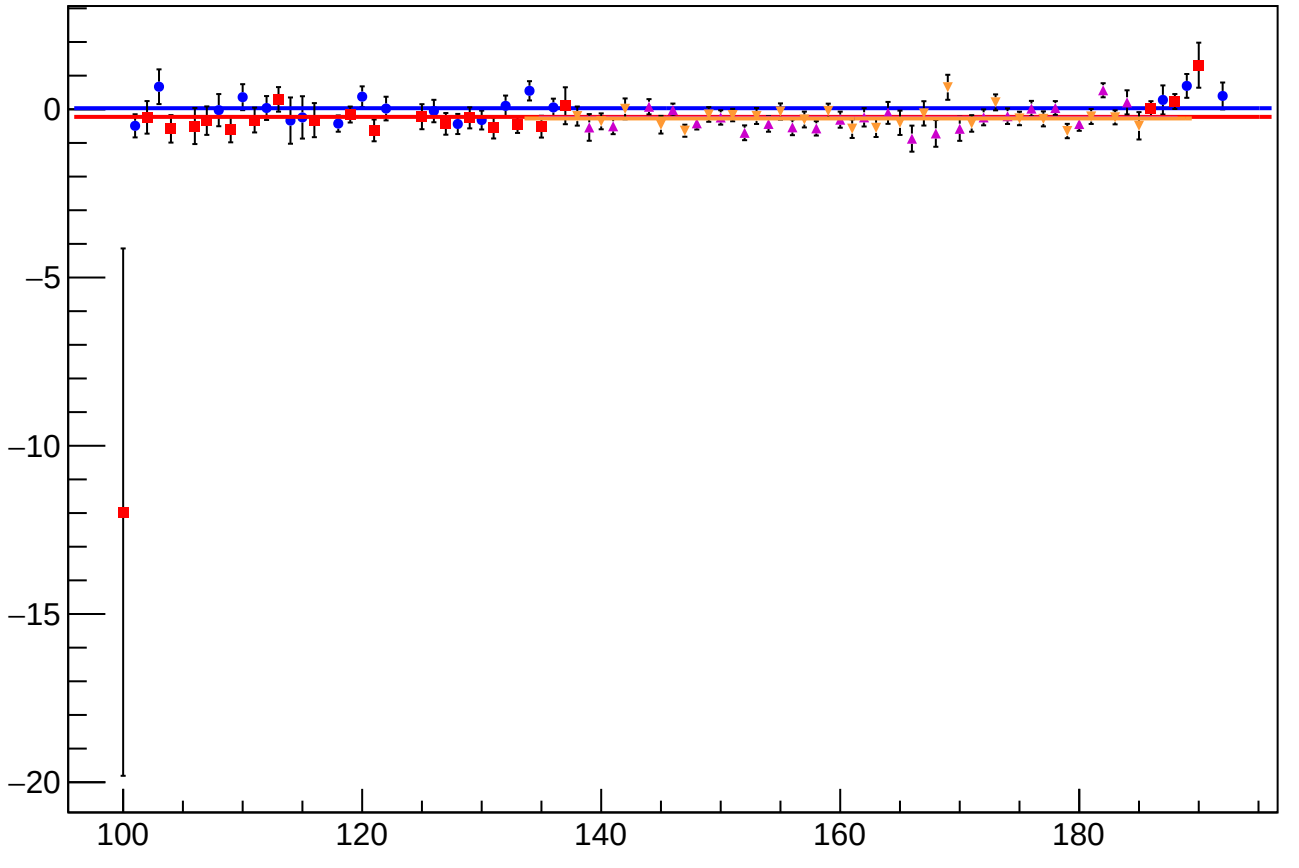
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.142+/-0.039 χ^2/NDF: 130.5/39

In: 0.067+/-0.042 χ^2/NDF:58.9/41

Out: 0.027+/-0.037 χ^2/NDF:160.8/44

All: 0.044+/-0.028 χ^2/NDF: 220.2/86



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: -0.226+/-0.074 χ^2/NDF: 22.2/20

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

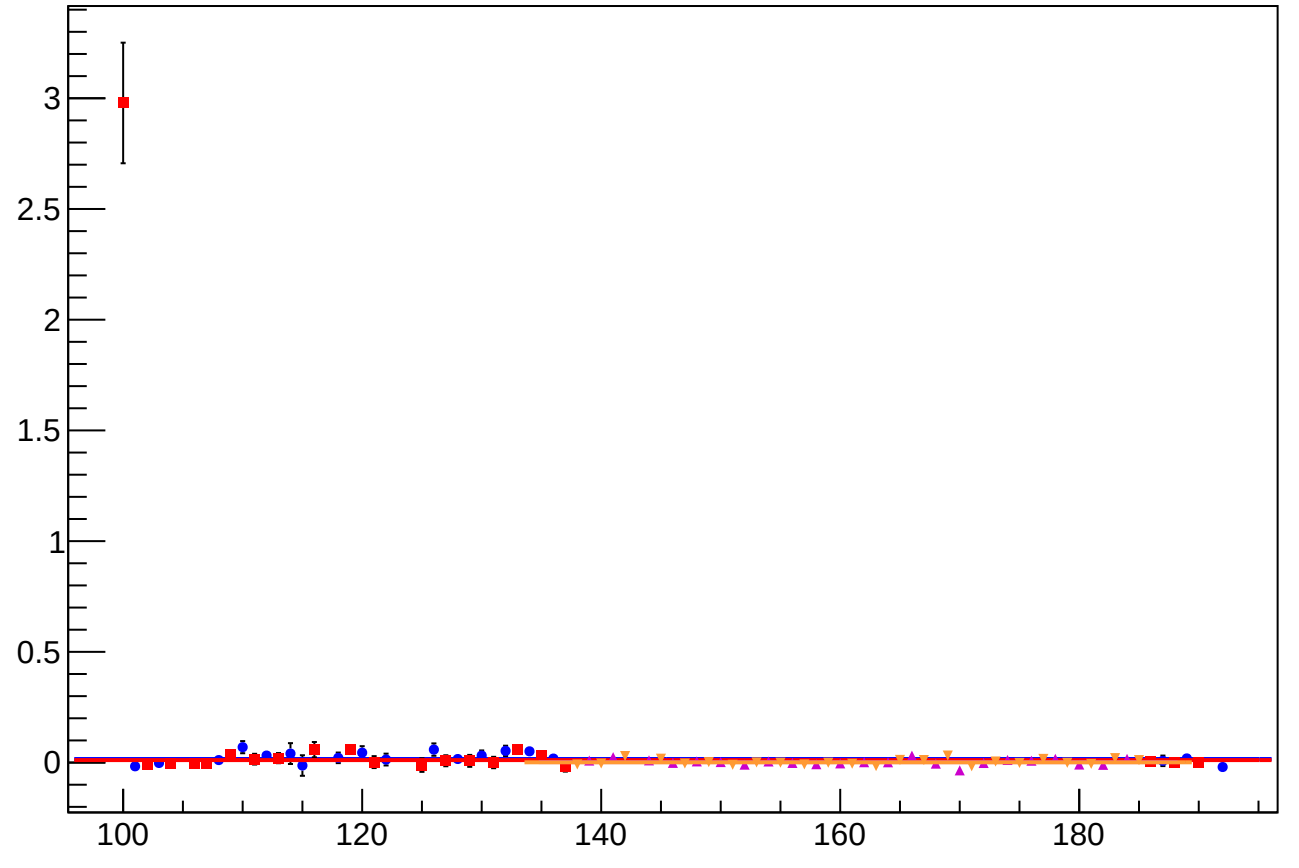
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: -0.104+/-0.054 χ^2/NDF: 49.9/39

In: -0.171+/-0.042 χ^2/NDF:72.0/41

Out: -0.258+/-0.041 χ^2/NDF:47.3/44

All: -0.216+/-0.029 χ^2/NDF: 121.4/86



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: 0.011+/-0.004 χ^2/NDF: 142.3/20

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

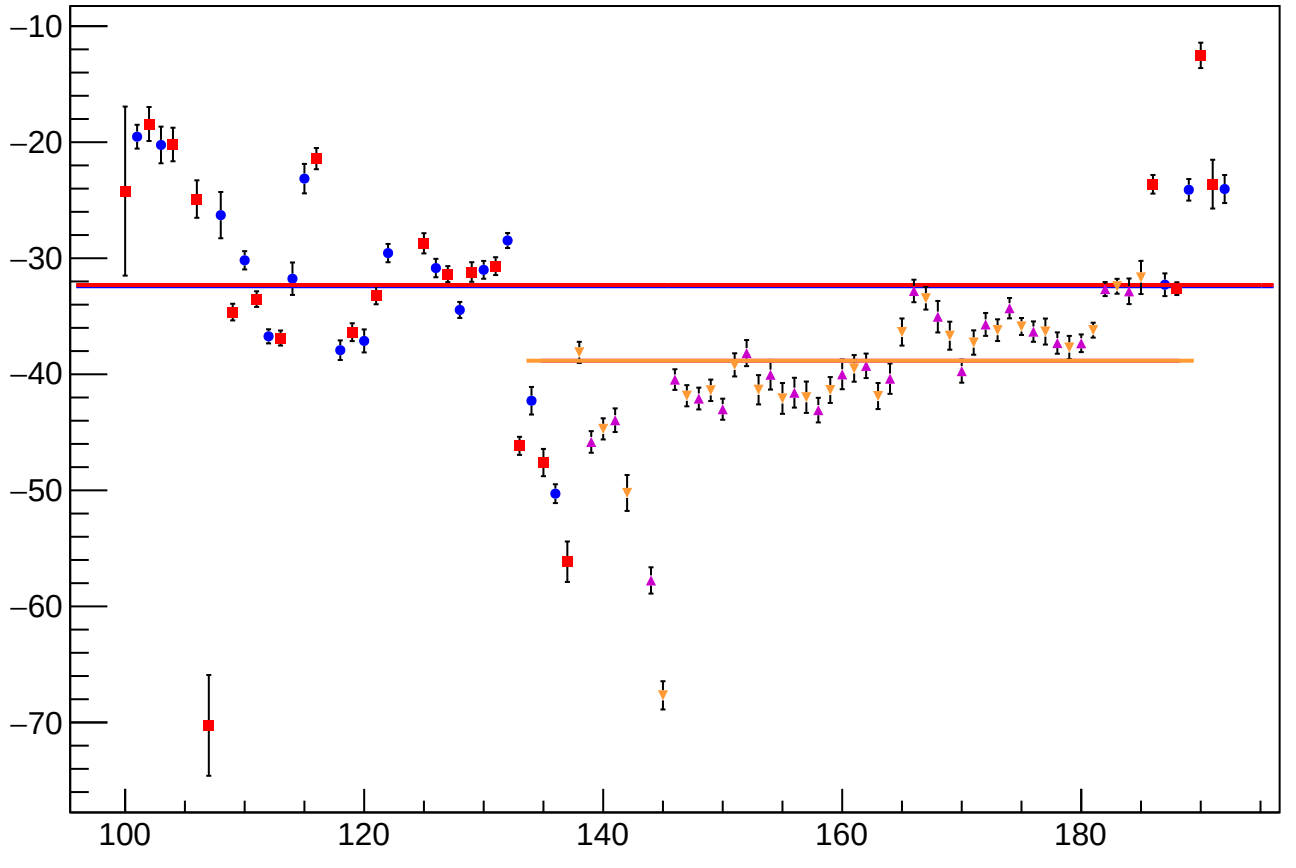
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.014+/-0.003 χ^2/NDF: 175.0/39

In: 0.005+/-0.002 χ^2/NDF:64.7/41

Out: 0.003+/-0.002 χ^2/NDF:173.4/44

All: 0.004+/-0.001 χ^2/NDF: 238.5/86



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: -32.303+/-0.190 χ^2/NDF: 1653.6/21

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

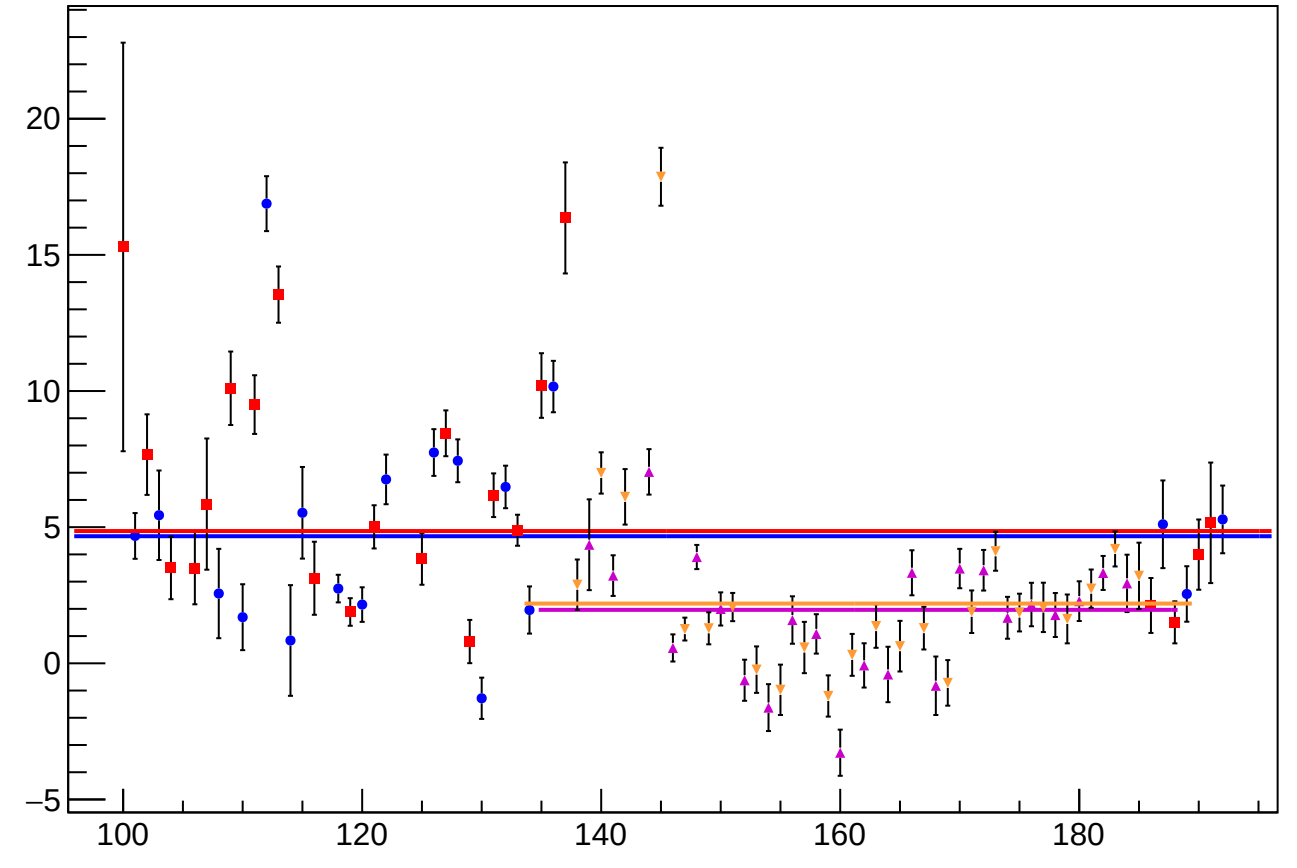
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -32.354+/-0.139 χ^2/NDF: 2807.0/40

In: -35.641+/-0.144 χ^2/NDF:2303.1/41

Out: -35.372+/-0.139 χ^2/NDF:3123.2/45

All: -35.501+/-0.100 χ^2/NDF: 5428.0/87



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: 4.858+/-0.206 χ^2/NDF: 275.5/21

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

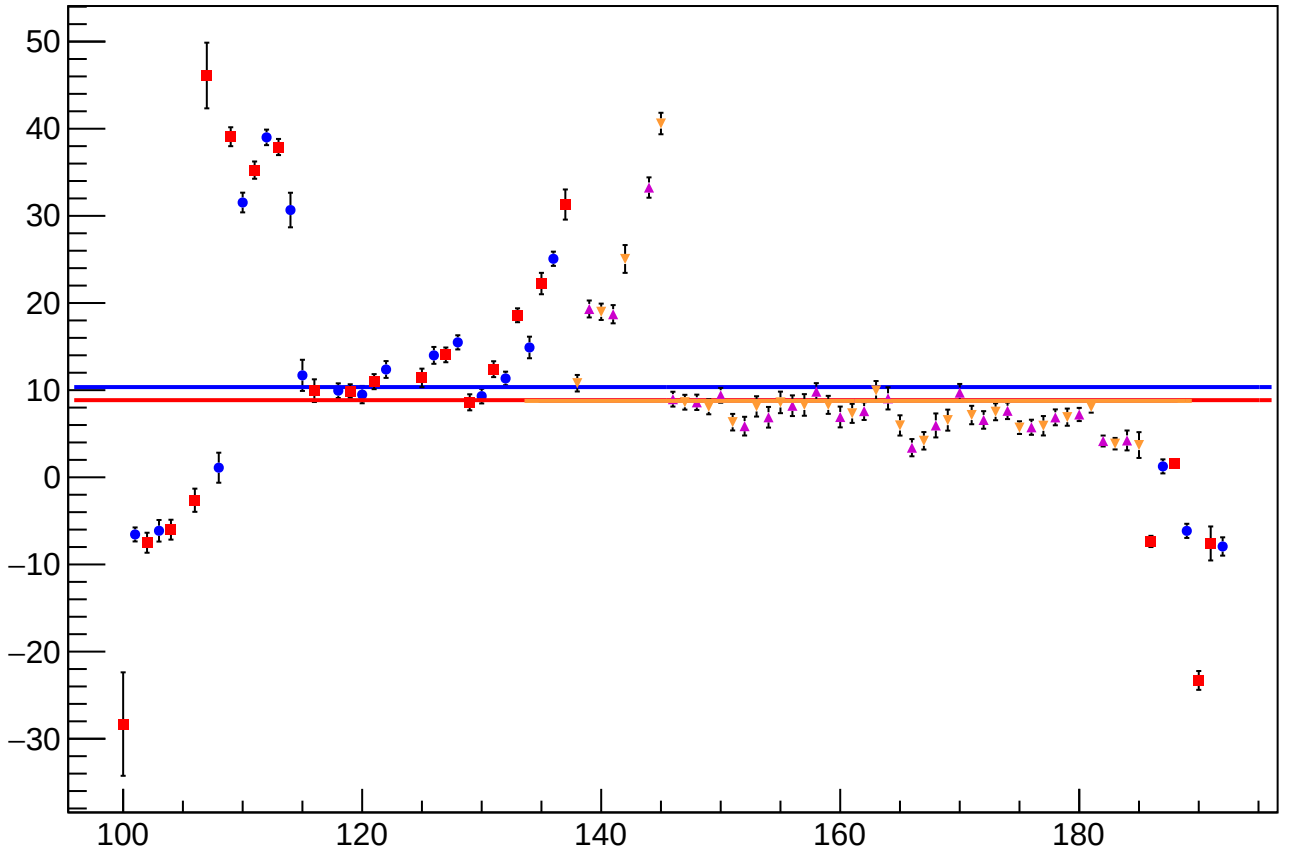
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.764+/-0.147 χ^2/NDF: 610.3/40

In: 2.919+/-0.124 χ^2/NDF:615.4/41

Out: 3.134+/-0.122 χ^2/NDF:748.5/45

All: 3.028+/-0.087 χ^2/NDF: 1365.5/87



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: 8.853+/-0.202 χ^2/NDF: 5415.4/21

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

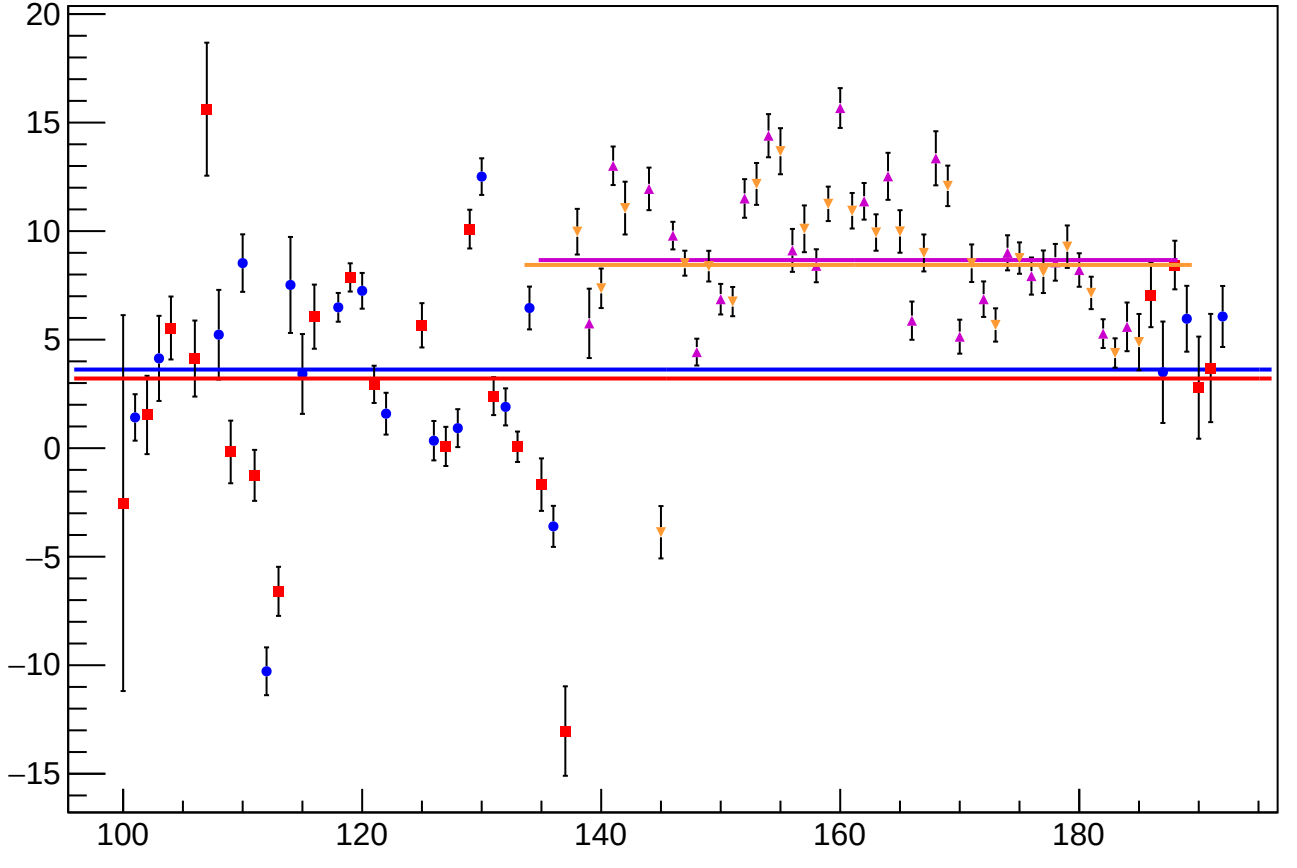
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 9.533+/-0.149 χ^2/NDF: 8821.6/40

In: 9.489+/-0.149 χ^2/NDF:4204.1/41

Out: 8.809+/-0.142 χ^2/NDF:6450.8/45

All: 9.133+/-0.103 χ^2/NDF: 10665.8/87



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: 3.209+/-0.245 χ^2/NDF: 376.2/21

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

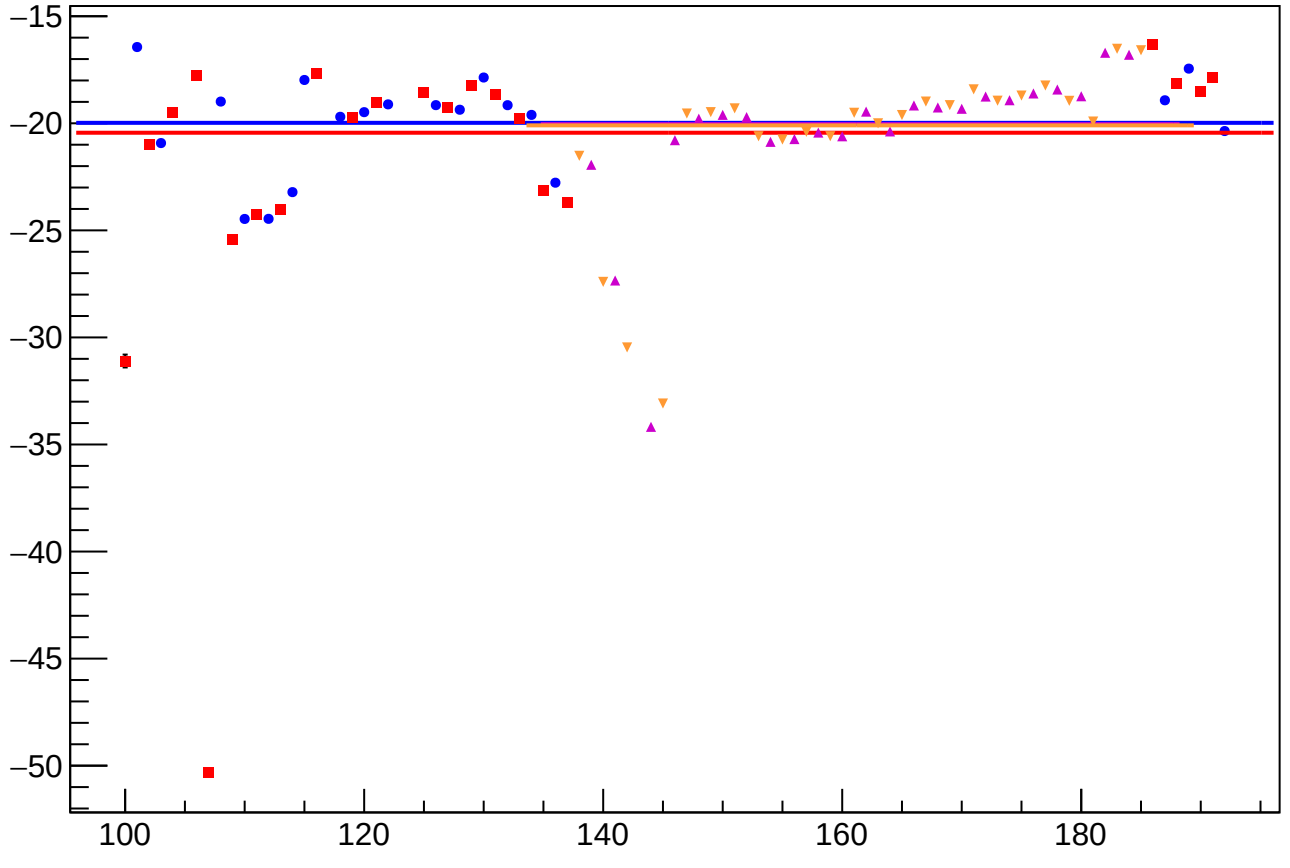
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 3.416+/-0.173 χ^2/NDF: 811.0/40

In: 6.954+/-0.143 χ^2/NDF:1018.1/41

Out: 6.691+/-0.142 χ^2/NDF:944.8/45

All: 6.821+/-0.101 χ^2/NDF: 1964.6/87



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: -20.441+/-0.015 χ^2/NDF: 64522.6/21

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

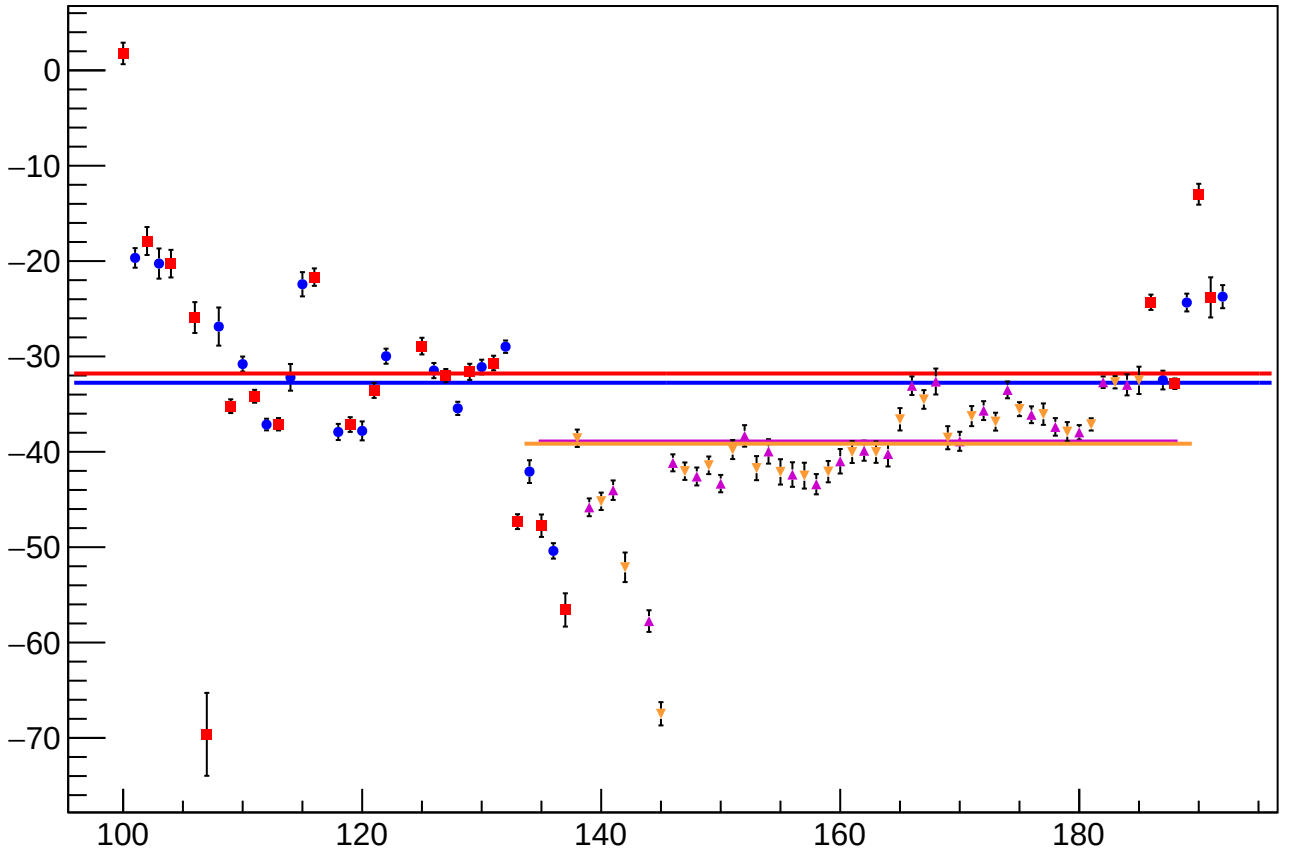
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -20.205+/-0.010 χ^2/NDF: 86939.3/40

In: -20.024+/-0.007 χ^2/NDF:154222.5/41

Out: -20.173+/-0.007 χ^2/NDF:224238.2/45

All: -20.098+/-0.005 χ^2/NDF: 378689.9/87



Right In: -32.758+/-0.205 χ^2/NDF: 1158.3/18

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.788+/-0.188 χ^2/NDF: 2598.4/21

Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

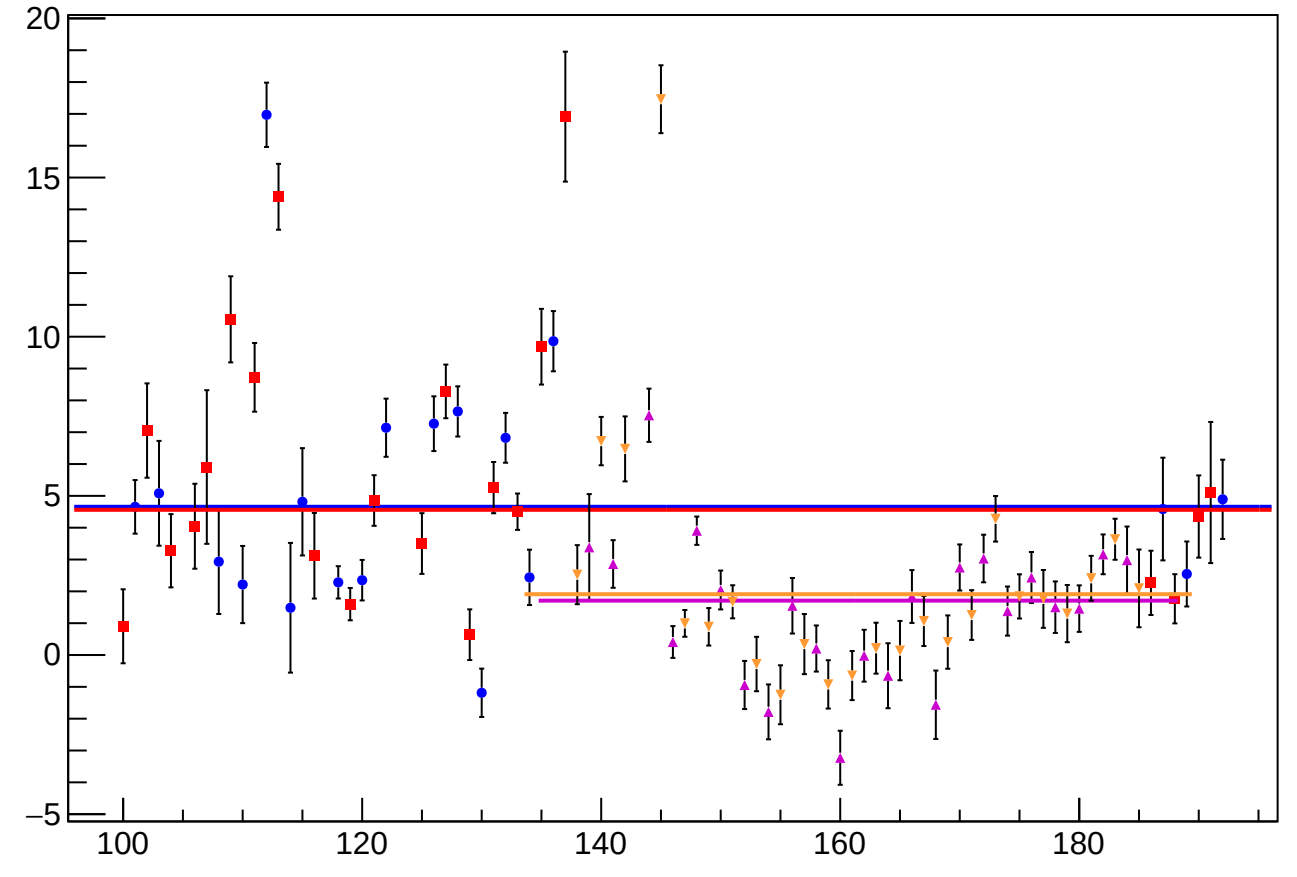
Left: -39.036+/-0.144 χ^2/NDF: 1583.8/46

Right: -32.232+/-0.139 χ^2/NDF: 3768.8/40

In: -35.856+/-0.144 χ^2/NDF:2297.7/41

Out: -35.199+/-0.138 χ^2/NDF:4206.4/45

All: -35.512+/-0.100 χ^2/NDF: 6514.9/87



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: 4.562+/-0.204 χ^2/NDF: 293.7/21

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

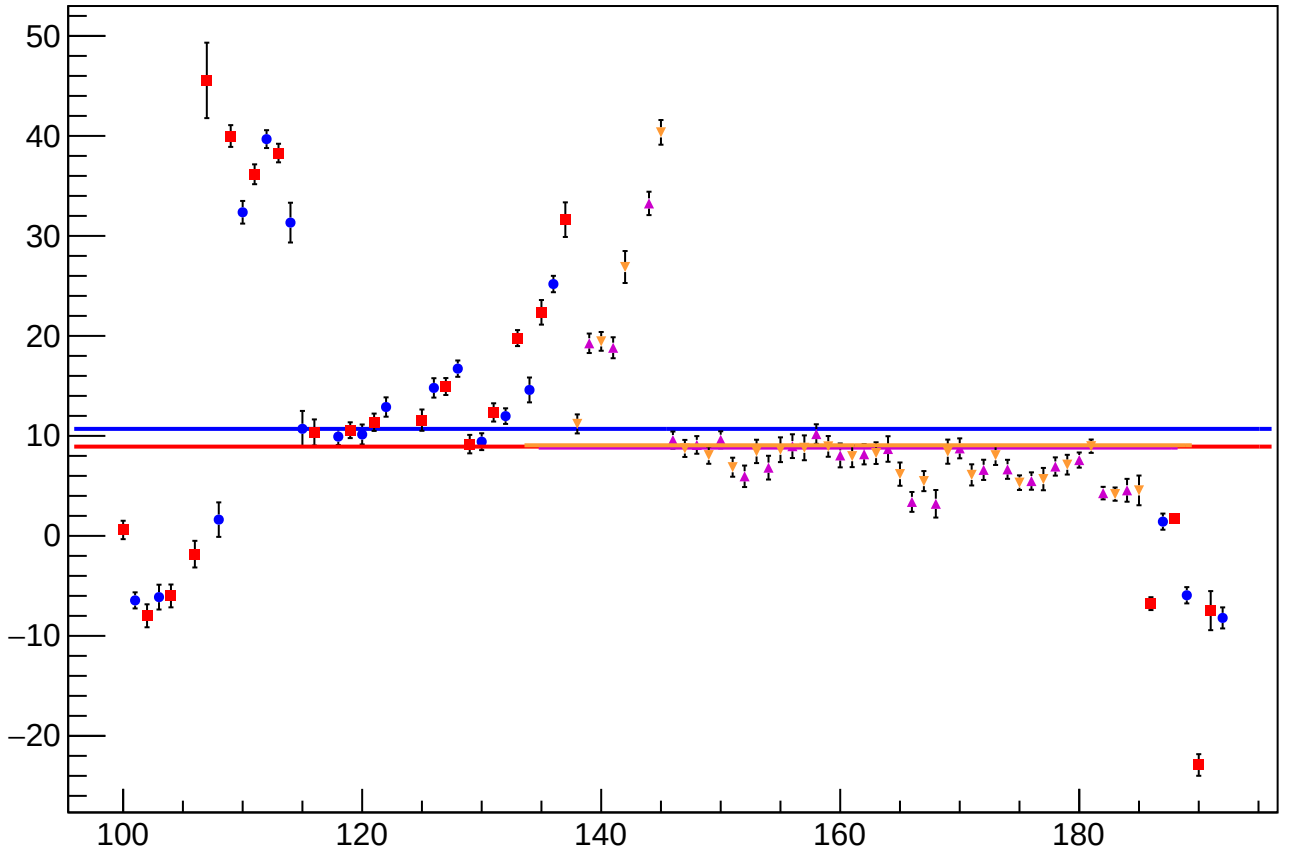
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.608+/-0.146 χ^2/NDF: 624.0/40

In: 2.750+/-0.125 χ^2/NDF:640.5/41

Out: 2.864+/-0.122 χ^2/NDF:761.8/45

All: 2.808+/-0.087 χ^2/NDF: 1402.7/87



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: 8.927+/-0.197 χ^2/NDF: 5544.1/21

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

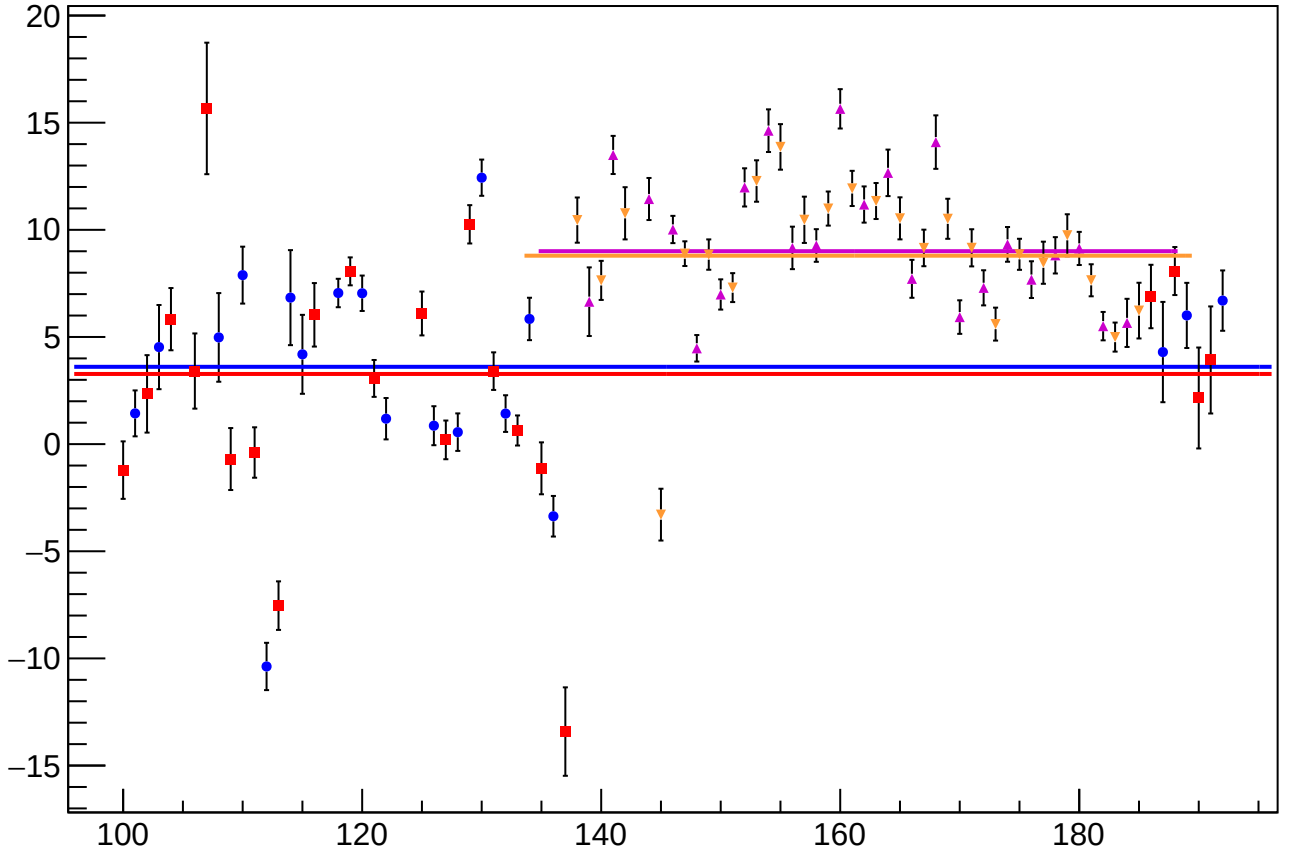
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 9.711+/-0.148 χ^2/NDF: 9049.0/40

In: 9.674+/-0.149 χ^2/NDF:4309.8/41

Out: 8.993+/-0.141 χ^2/NDF:6577.8/45

All: 9.314+/-0.102 χ^2/NDF: 10898.6/87



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: 3.274+/-0.241 χ^2/NDF: 394.2/21

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

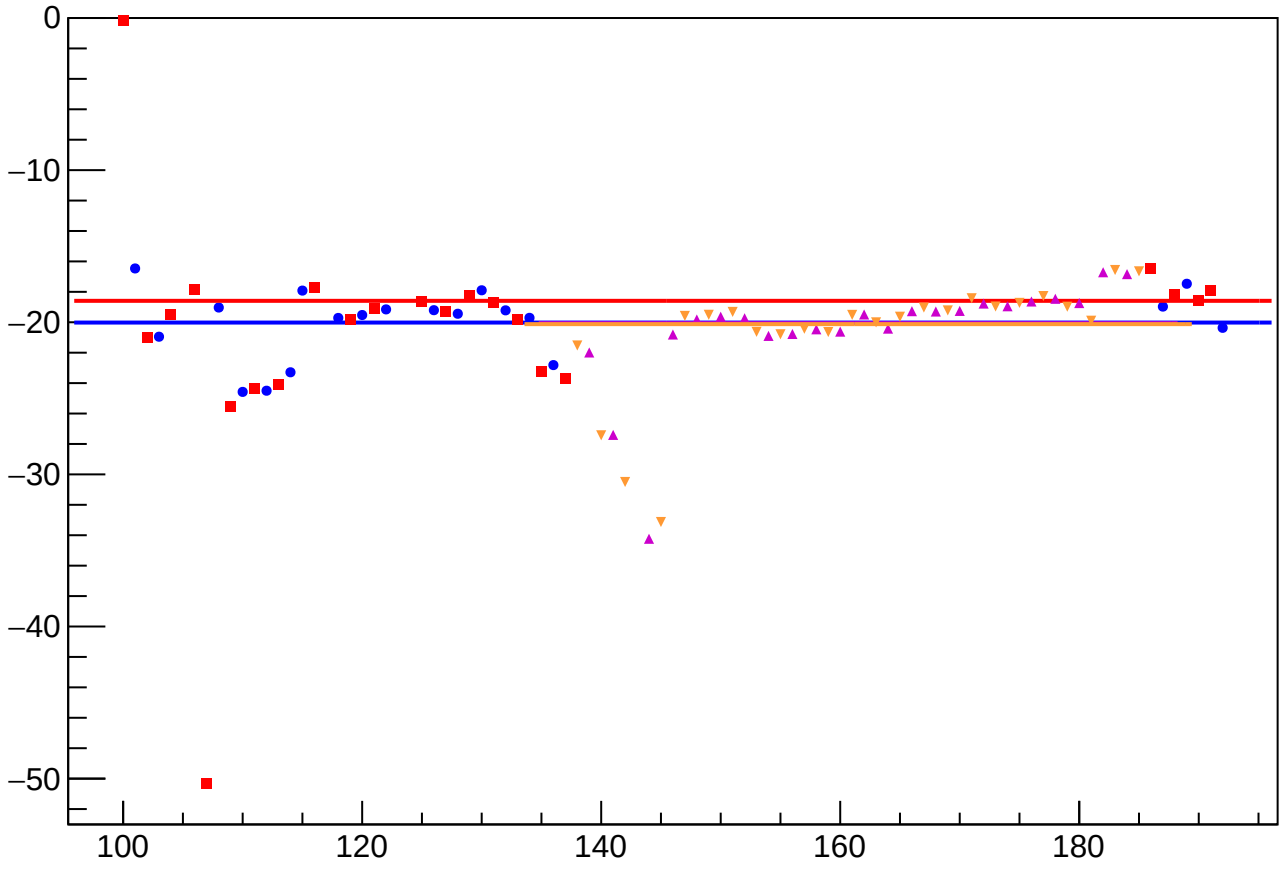
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 3.438+/-0.172 χ^2/NDF: 827.0/40

In: 7.172+/-0.143 χ^2/NDF:1040.6/41

Out: 6.907+/-0.141 χ^2/NDF:982.7/45

All: 7.037+/-0.100 χ^2/NDF: 2025.0/87



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: -18.591+/-0.014 χ^2/NDF: 235326.5/21

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

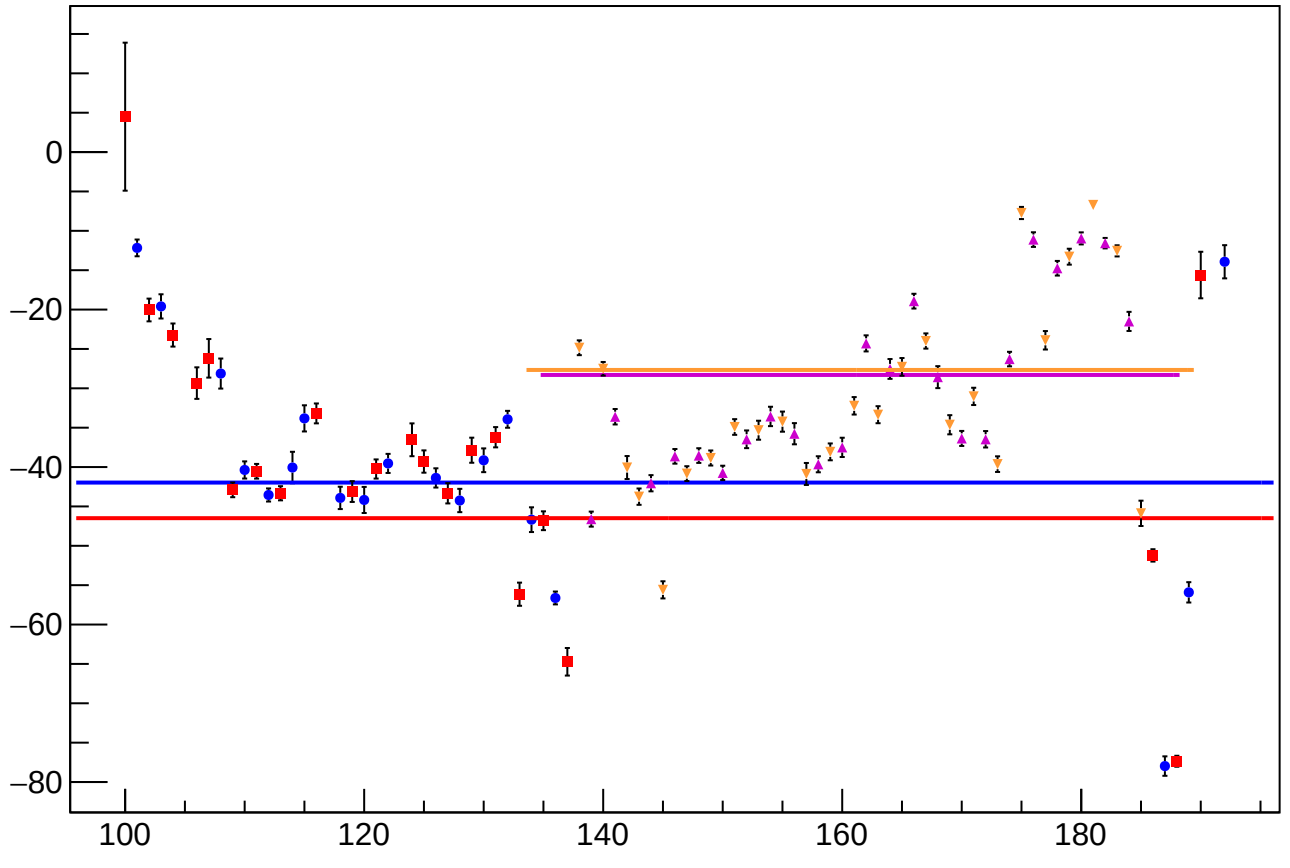
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.285+/-0.010 χ^2/NDF: 262246.9/40

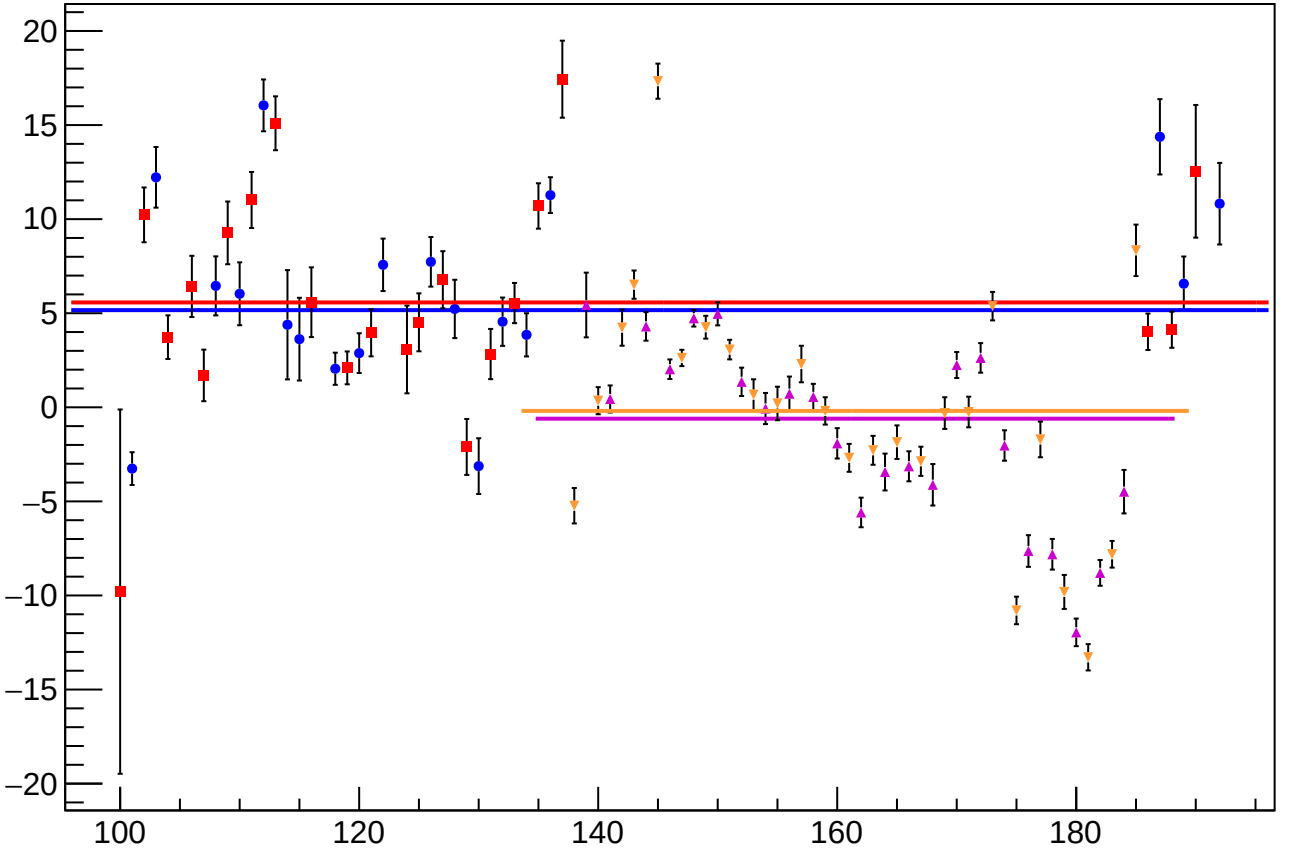
In: -20.053+/-0.007 χ^2/NDF:154654.6/41

Out: -19.756+/-0.007 χ^2/NDF:402837.6/45

All: -19.904+/-0.005 χ^2/NDF: 558409.8/87


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: -46.492+/-0.263 χ²/NDF: 3382.7/21
Left In: -28.303+/-0.206 χ²/NDF:3273.4/22
Left: -27.977+/-0.144 χ²/NDF: 7675.2/47
Right: -44.451+/-0.195 χ²/NDF: 6139.8/40
In: -32.867+/-0.168 χ²/NDF:7371.1/41
Out: -34.569+/-0.160 χ²/NDF:11012.1/46
All: -33.762+/-0.116 χ²/NDF: 18437.2/88

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 5.573+/-0.292 χ^2/NDF: 197.2/21

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

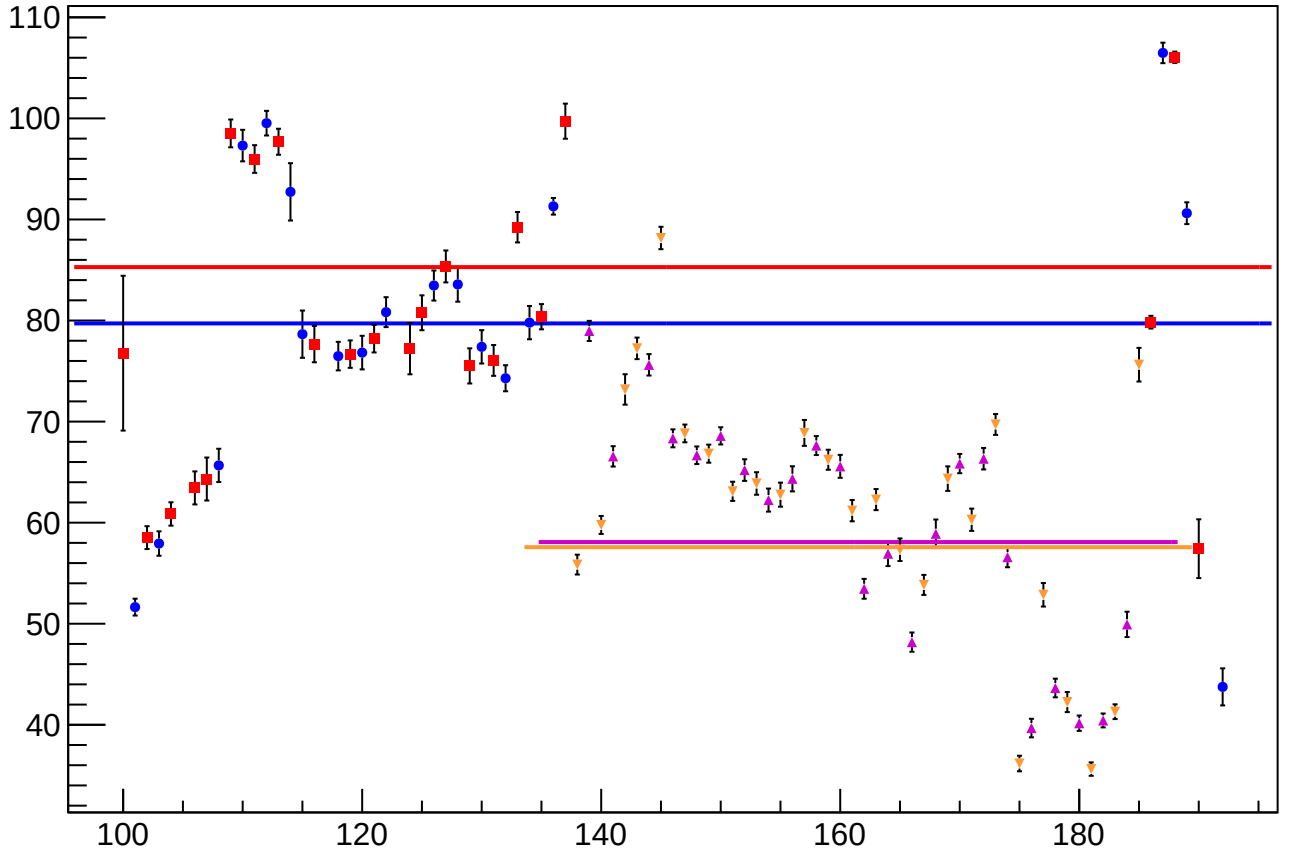
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 5.376+/-0.210 χ^2/NDF: 502.6/40

In: 0.599+/-0.138 χ^2/NDF:1567.7/41

Out: 1.016+/-0.133 χ^2/NDF:2051.6/46

All: 0.815+/-0.096 χ^2/NDF: 3624.0/88



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: 85.288+/-0.266 χ^2/NDF: 3339.9/21

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

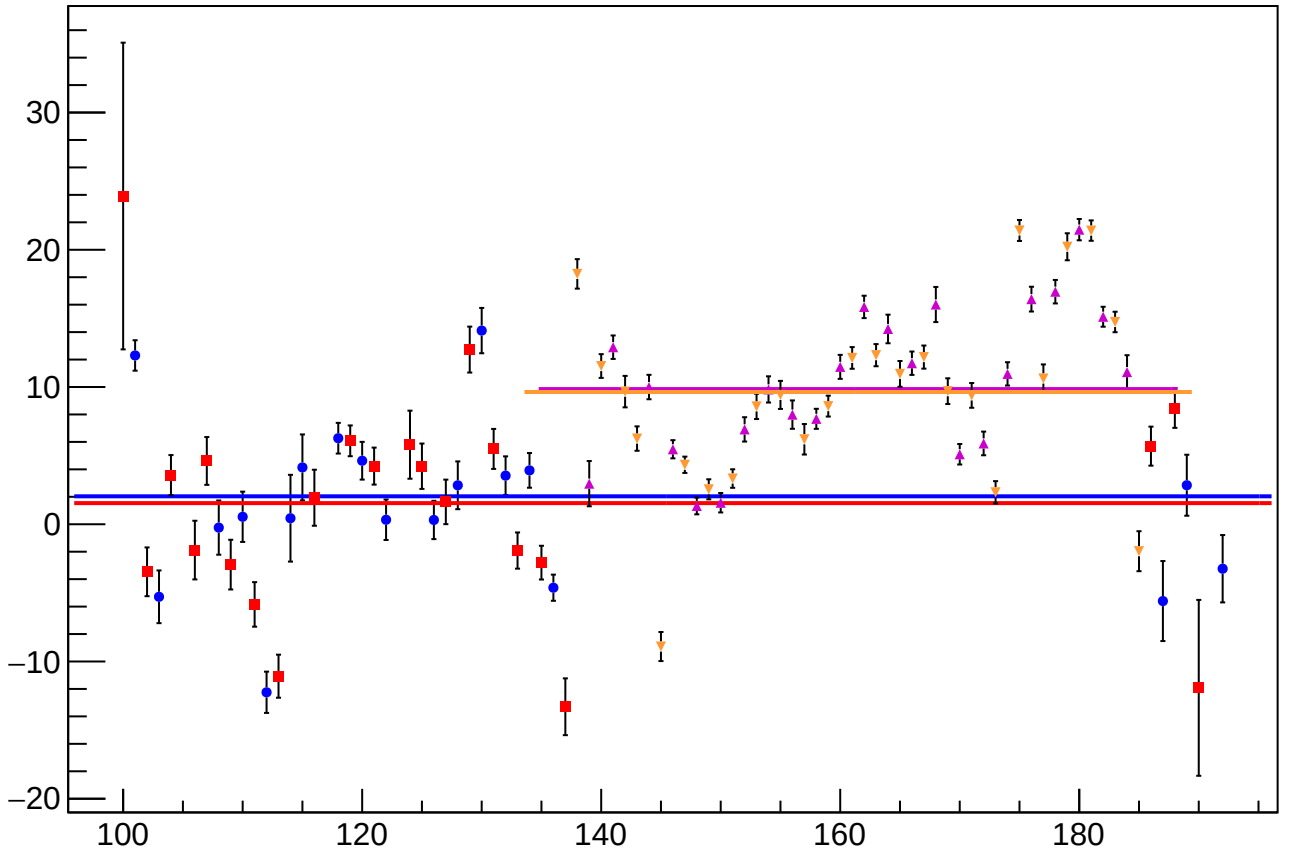
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 82.855+/-0.200 χ^2/NDF: 6900.2/40

In: 64.825+/-0.169 χ^2/NDF:10452.5/41

Out: 67.512+/-0.159 χ^2/NDF:14983.1/46

All: 66.246+/-0.116 χ^2/NDF: 25569.6/88



Right In: 2.036+/-0.352 χ^2/NDF: 331.6/18

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.540+/-0.349 χ^2/NDF: 295.8/21

Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

Left: 9.740+/-0.123 χ^2/NDF: 2485.2/47

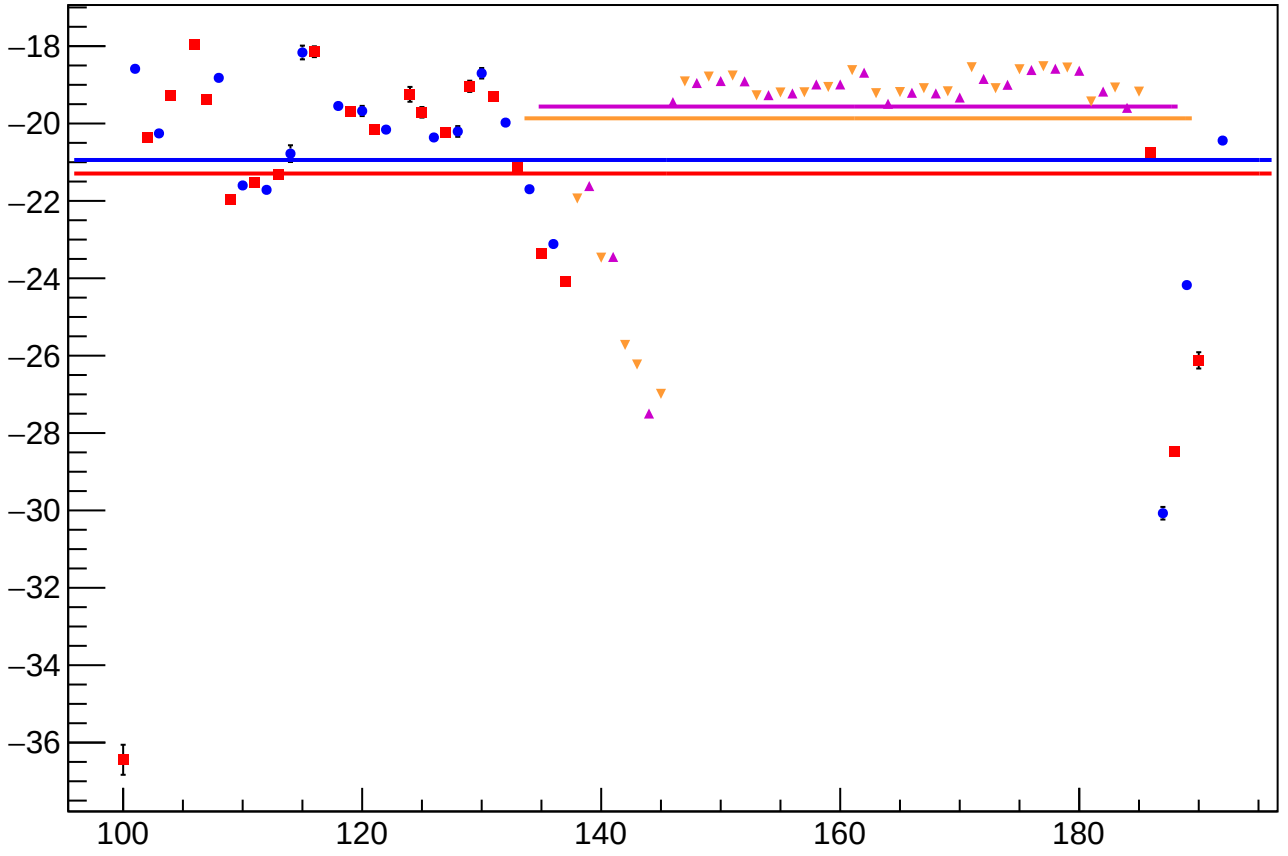
Right: 1.786+/-0.248 χ^2/NDF: 628.3/40

In: 8.282+/-0.158 χ^2/NDF:1718.5/41

Out: 8.061+/-0.154 χ^2/NDF:2221.4/46

All: 8.169+/-0.110 χ^2/NDF: 3940.9/88

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -21.293+/-0.019 χ^2/NDF: 19274.2/21

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

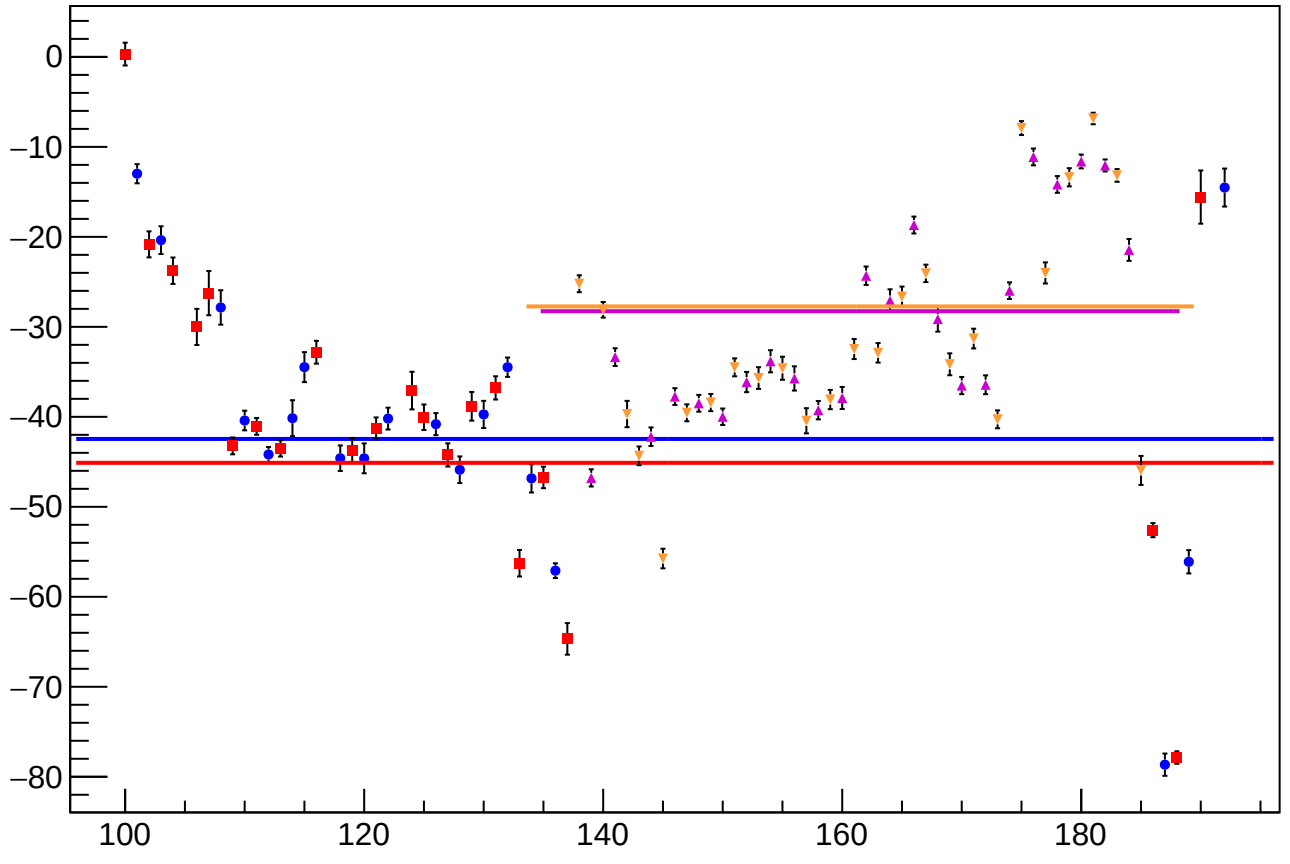
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -21.111+/-0.013 χ^2/NDF: 31334.0/40

In: -19.779+/-0.007 χ^2/NDF:61795.2/41

Out: -20.073+/-0.007 χ^2/NDF:102938.0/46

All: -19.926+/-0.005 χ^2/NDF: 165547.5/88



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: -45.110+/-0.258 χ^2/NDF: 4693.4/21

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

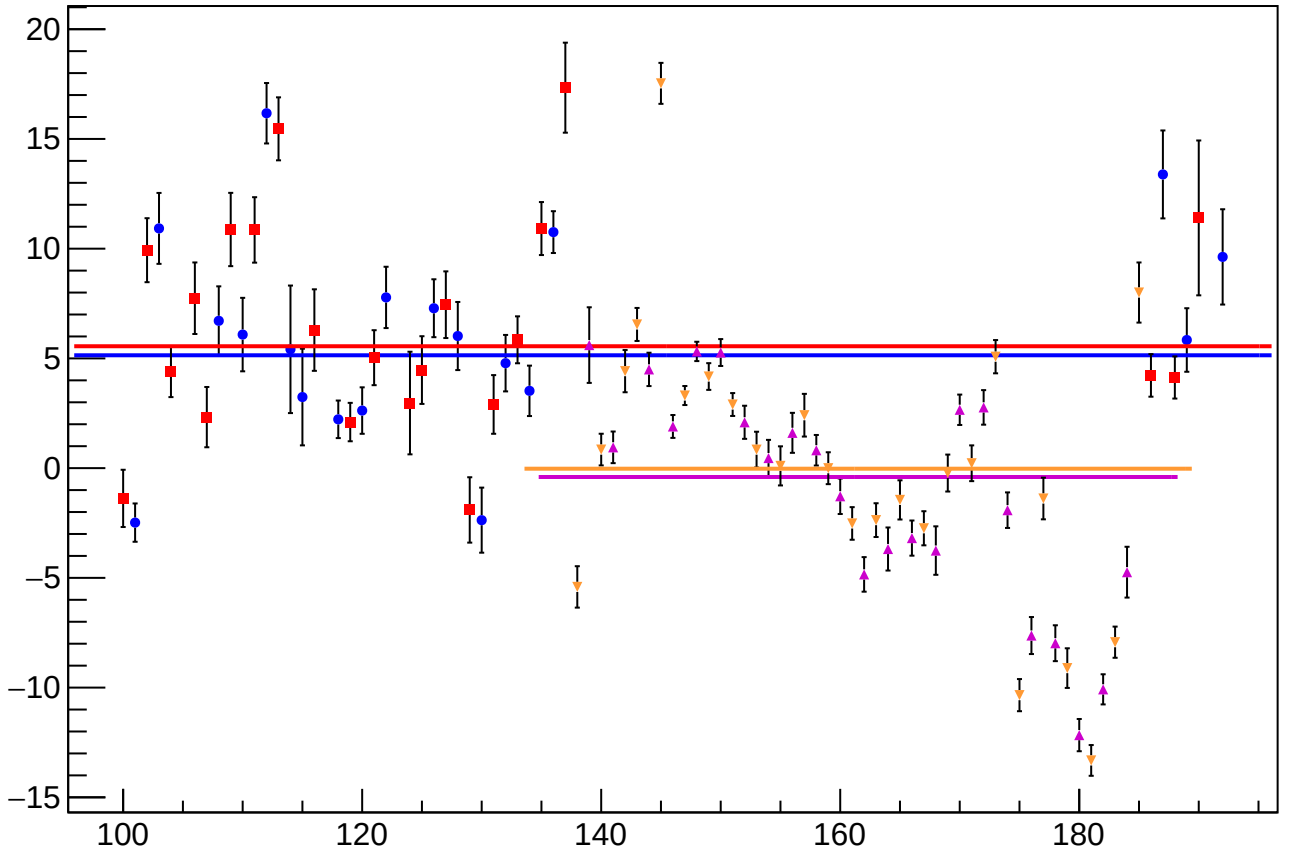
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

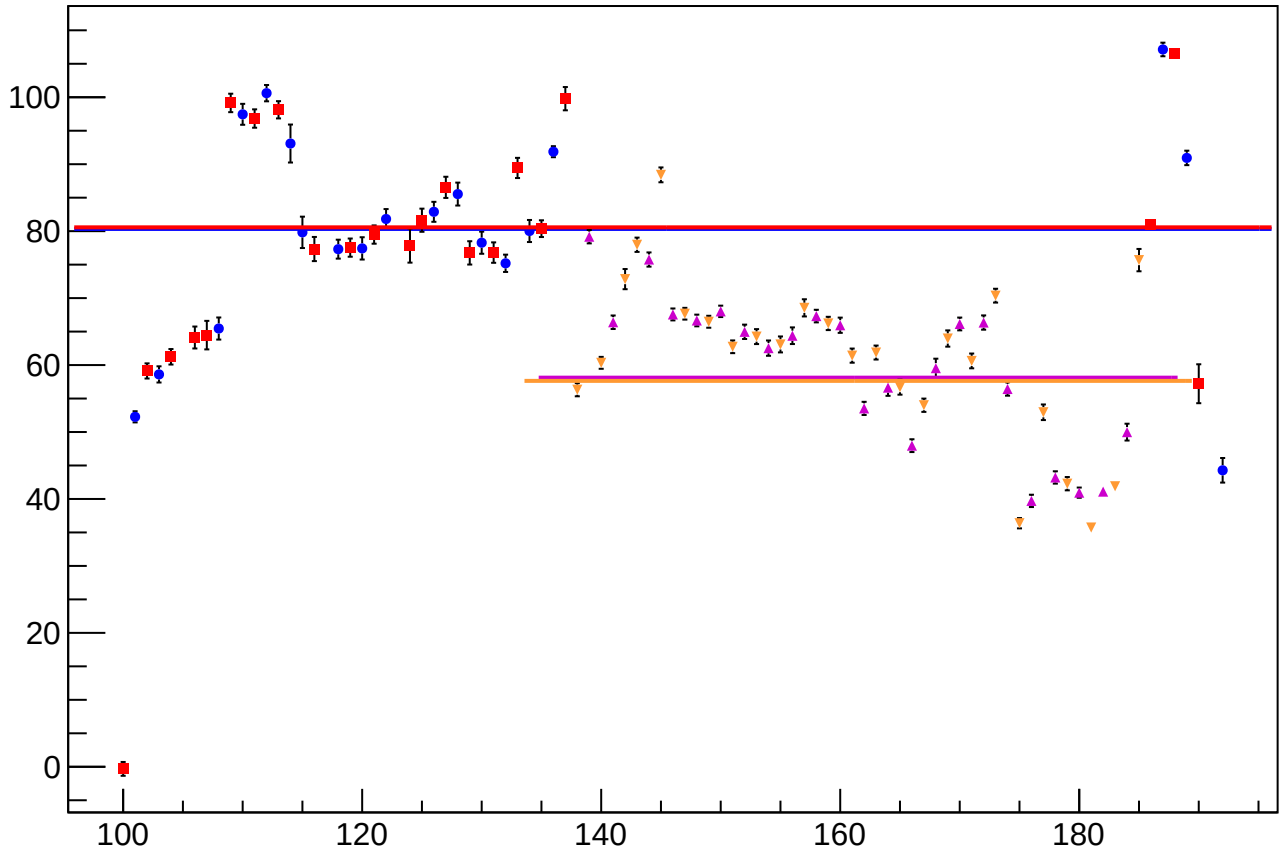
Right: -43.940+/-0.193 χ^2/NDF: 7346.1/40

In: -33.005+/-0.168 χ^2/NDF:7363.5/41

Out: -34.270+/-0.159 χ^2/NDF:11813.7/46

All: -33.675+/-0.115 χ^2/NDF: 19207.1/88


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
120
140
160
180
Right In: 5.142+/-0.303 χ²/NDF: 263.0/18
Left Out: -0.026+/-0.150 χ²/NDF:1531.8/24
Right Out: 5.554+/-0.285 χ²/NDF: 223.9/21
Left In: -0.404+/-0.155 χ²/NDF:1084.1/22
Left: -0.208+/-0.108 χ²/NDF: 2618.9/47
Right: 5.360+/-0.207 χ²/NDF: 487.9/40
In: 0.755+/-0.138 χ²/NDF:1613.0/41
Out: 1.188+/-0.133 χ²/NDF:2055.5/46
All: 0.980+/-0.096 χ²/NDF: 3673.6/88



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: 80.570+/-0.258 χ^2/NDF: 9839.4/21

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

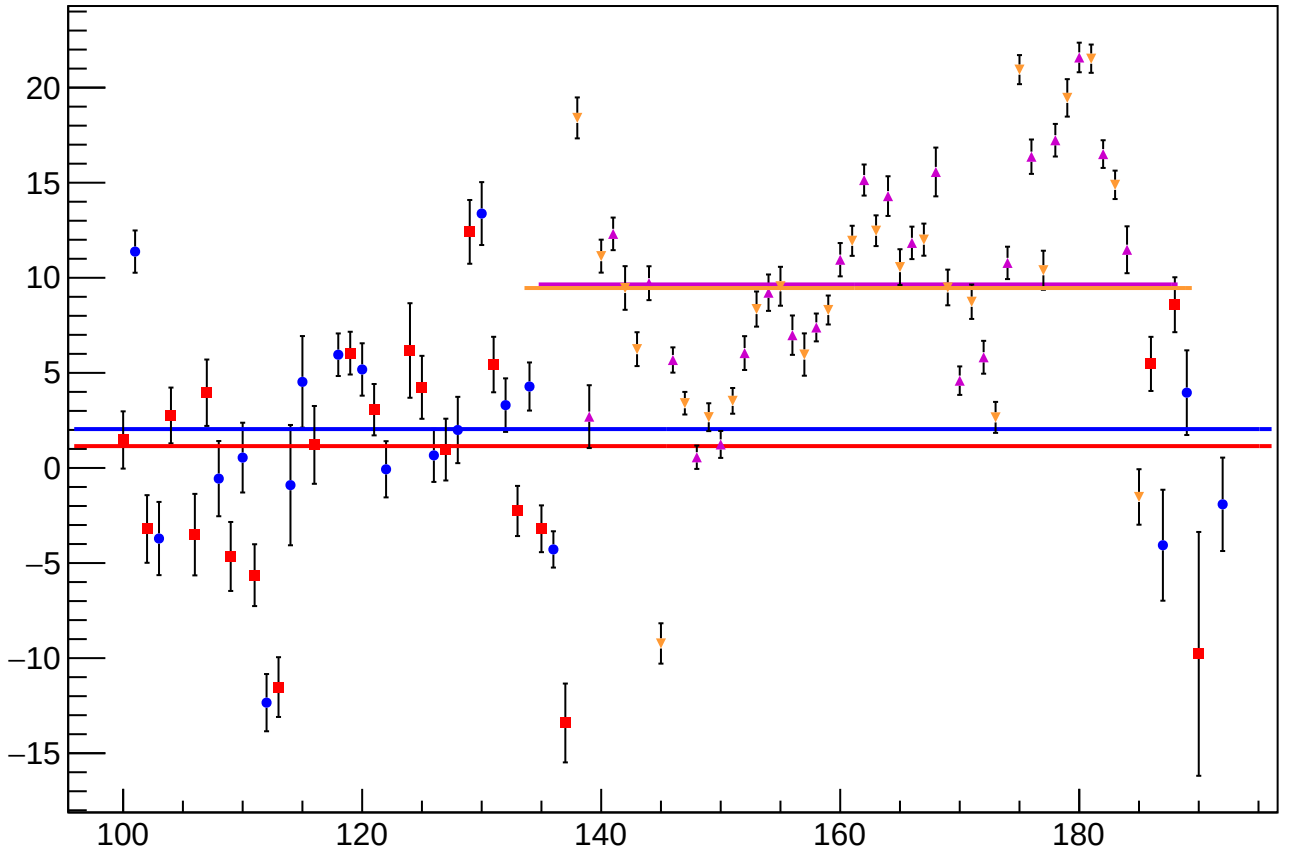
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 80.470+/-0.196 χ^2/NDF: 13205.3/40

In: 65.047+/-0.169 χ^2/NDF:10514.5/41

Out: 66.199+/-0.158 χ^2/NDF:19396.1/46

All: 65.663+/-0.115 χ^2/NDF: 29935.4/88



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: 1.149+/-0.340 χ^2/NDF: 296.6/21

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

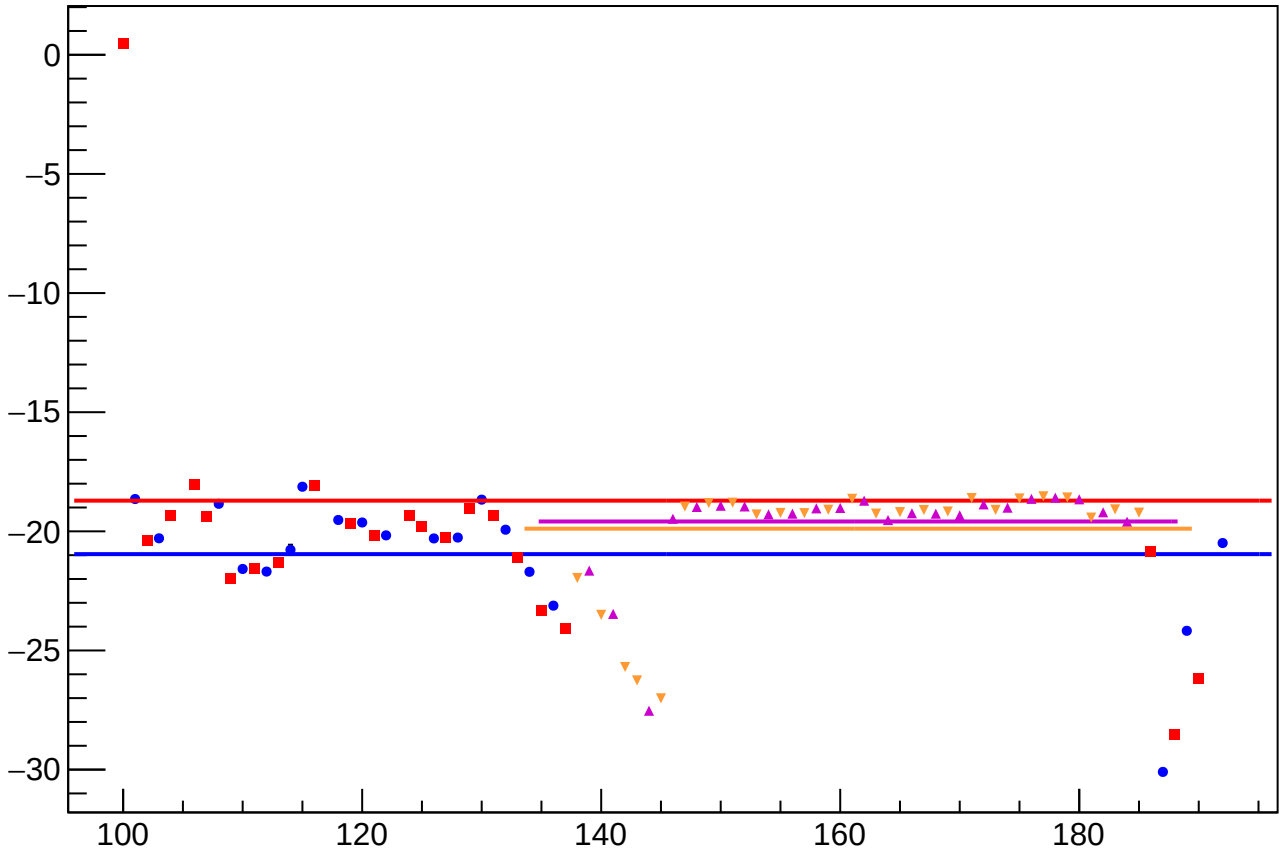
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 1.581+/-0.245 χ^2/NDF: 598.1/40

In: 8.124+/-0.158 χ^2/NDF:1748.9/41

Out: 7.776+/-0.153 χ^2/NDF:2255.2/46

All: 7.945+/-0.110 χ^2/NDF: 4006.5/88



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: -18.712+/-0.018 χ^2/NDF: 169819.0/21

Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

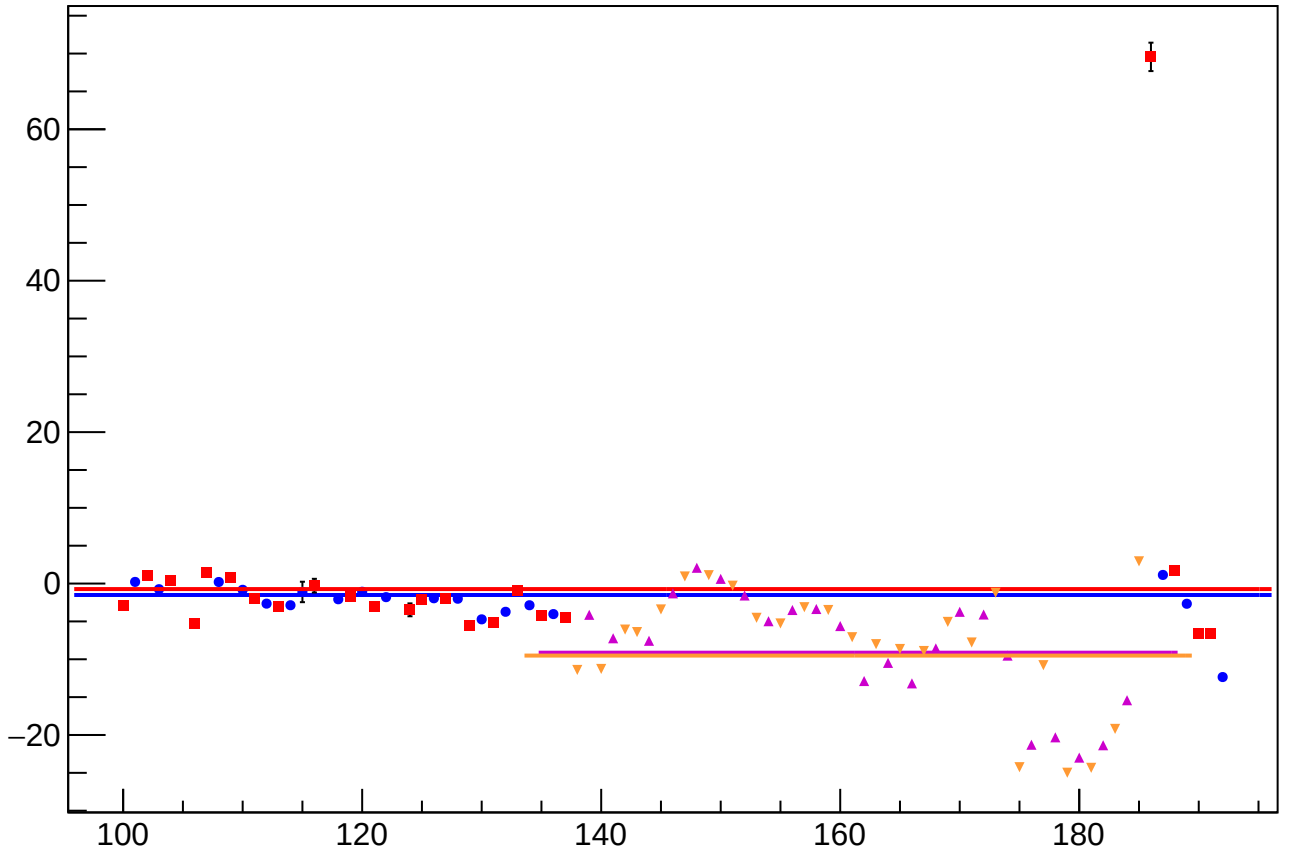
Left: -19.739+/-0.006 χ^2/NDF: 124326.8/47

Right: -19.806+/-0.013 χ^2/NDF: 189163.7/40

In: -19.802+/-0.007 χ^2/NDF:61487.6/41

Out: -19.699+/-0.007 χ^2/NDF:251925.9/46

All: -19.750+/-0.005 χ^2/NDF: 313512.7/88



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: -0.729+/-0.048 χ^2/NDF: 3341.4/22

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

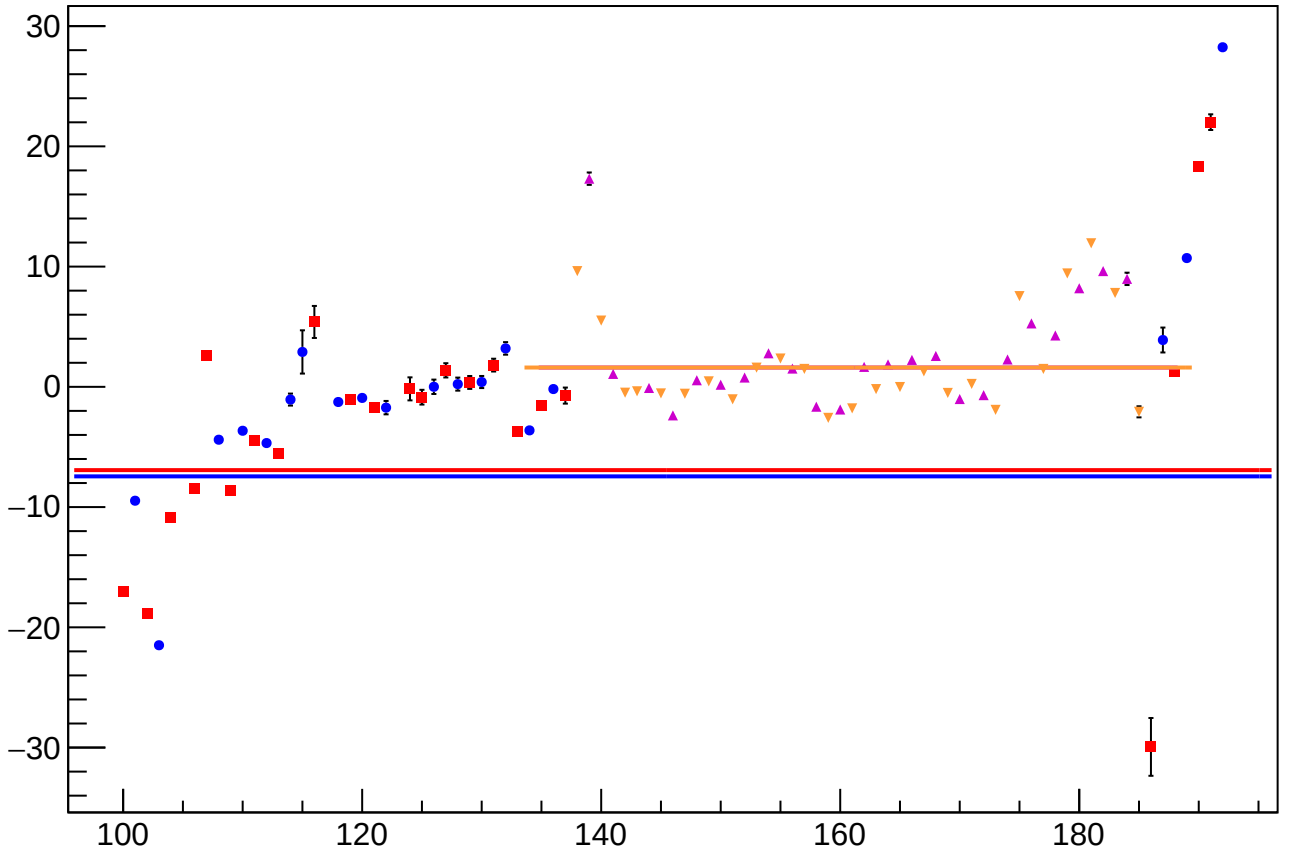
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.082+/-0.036 χ^2/NDF: 4973.6/41

In: -4.069+/-0.043 χ^2/NDF:18806.9/41

Out: -3.433+/-0.040 χ^2/NDF:26377.4/47

All: -3.728+/-0.030 χ^2/NDF: 45299.6/89



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: -6.927+/-0.055 χ^2/NDF: 22015.1/22

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

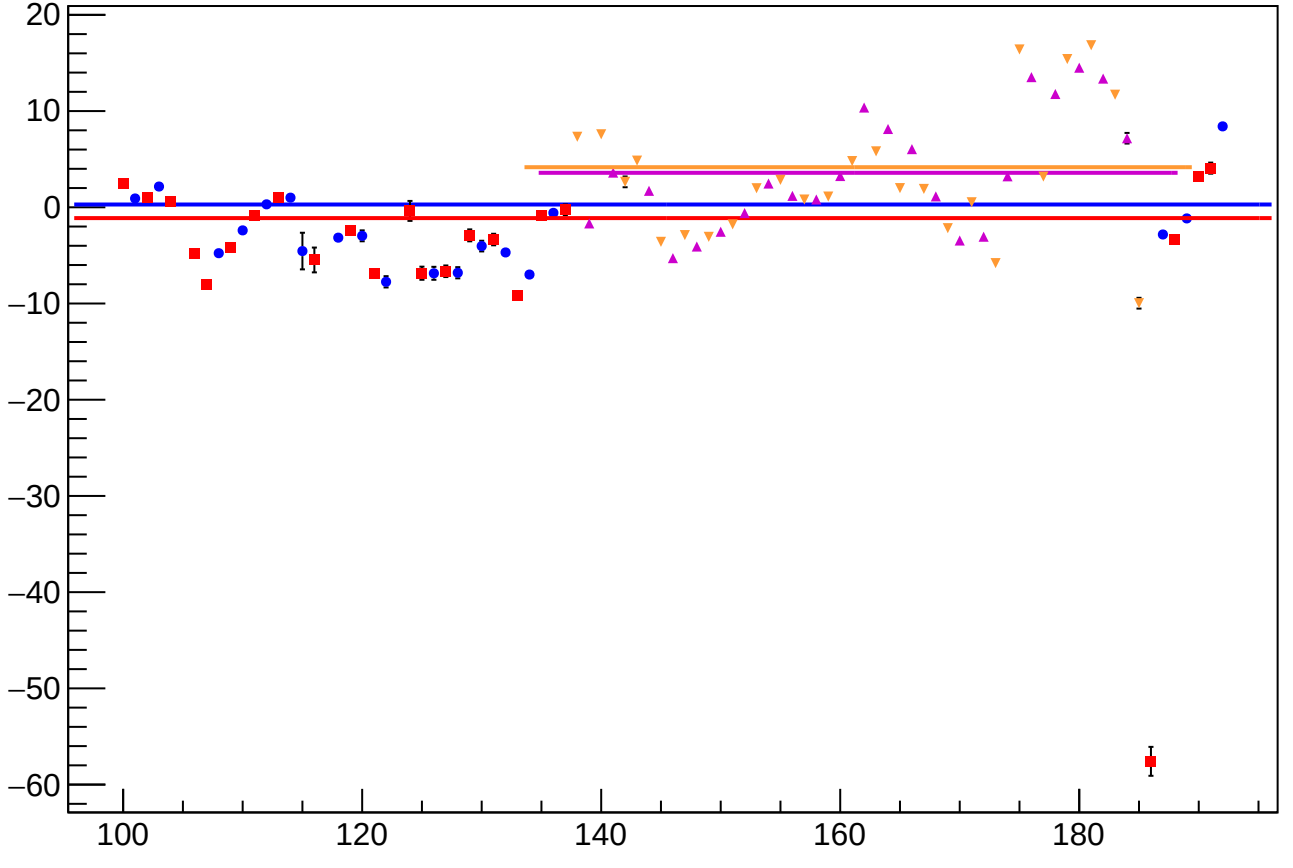
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -7.185+/-0.039 χ^2/NDF: 47269.3/41

In: -3.080+/-0.040 χ^2/NDF:41614.5/41

Out: -2.640+/-0.039 χ^2/NDF:38590.6/47

All: -2.855+/-0.028 χ^2/NDF: 80267.0/89



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: -1.124+/-0.050 χ^2/NDF: 4868.6/22

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

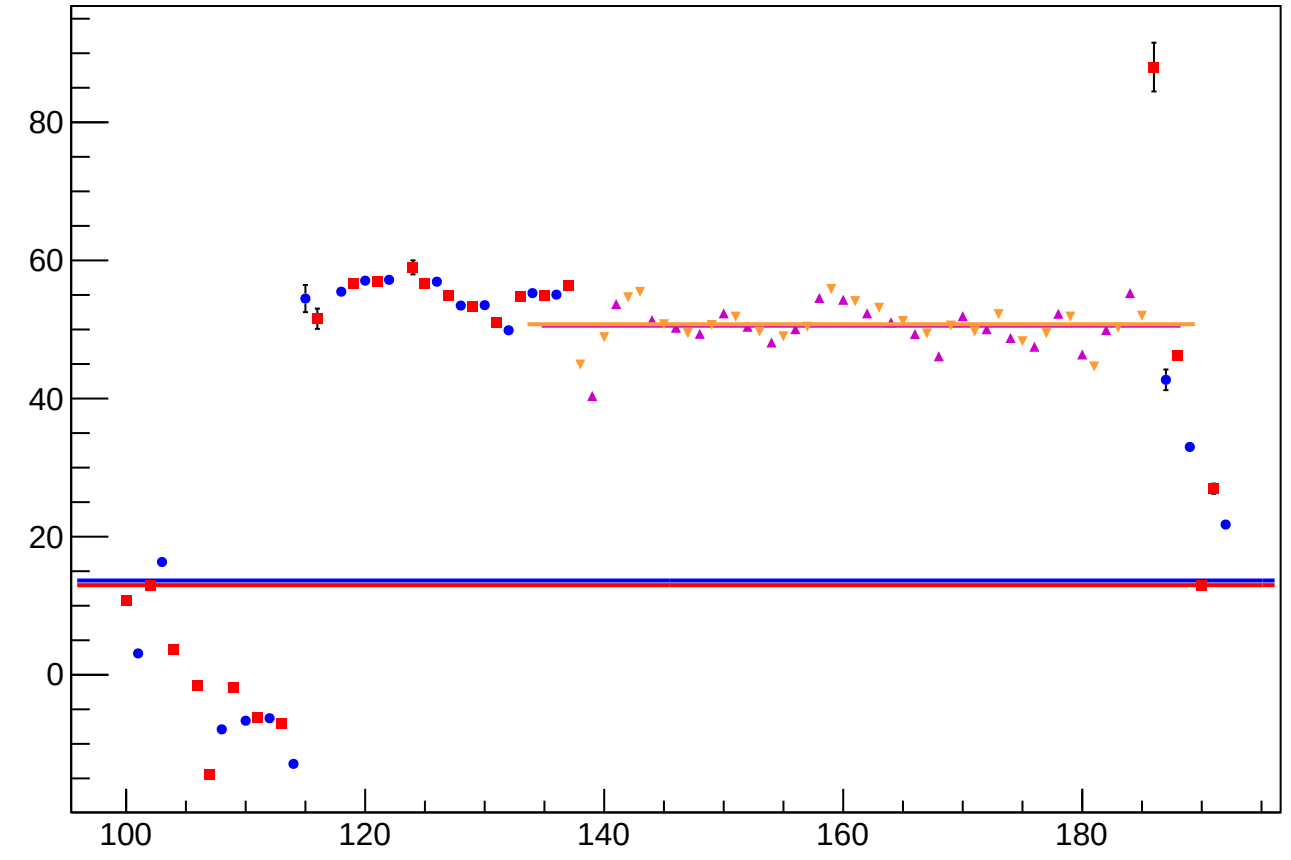
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: -0.442+/-0.036 χ^2/NDF: 7914.3/41

In: 1.362+/-0.042 χ^2/NDF:11220.6/41

Out: 0.576+/-0.041 χ^2/NDF:17769.2/47

All: 0.956+/-0.029 χ^2/NDF: 29169.0/89



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: 12.985+/-0.066 χ^2/NDF: 126605.1/22

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

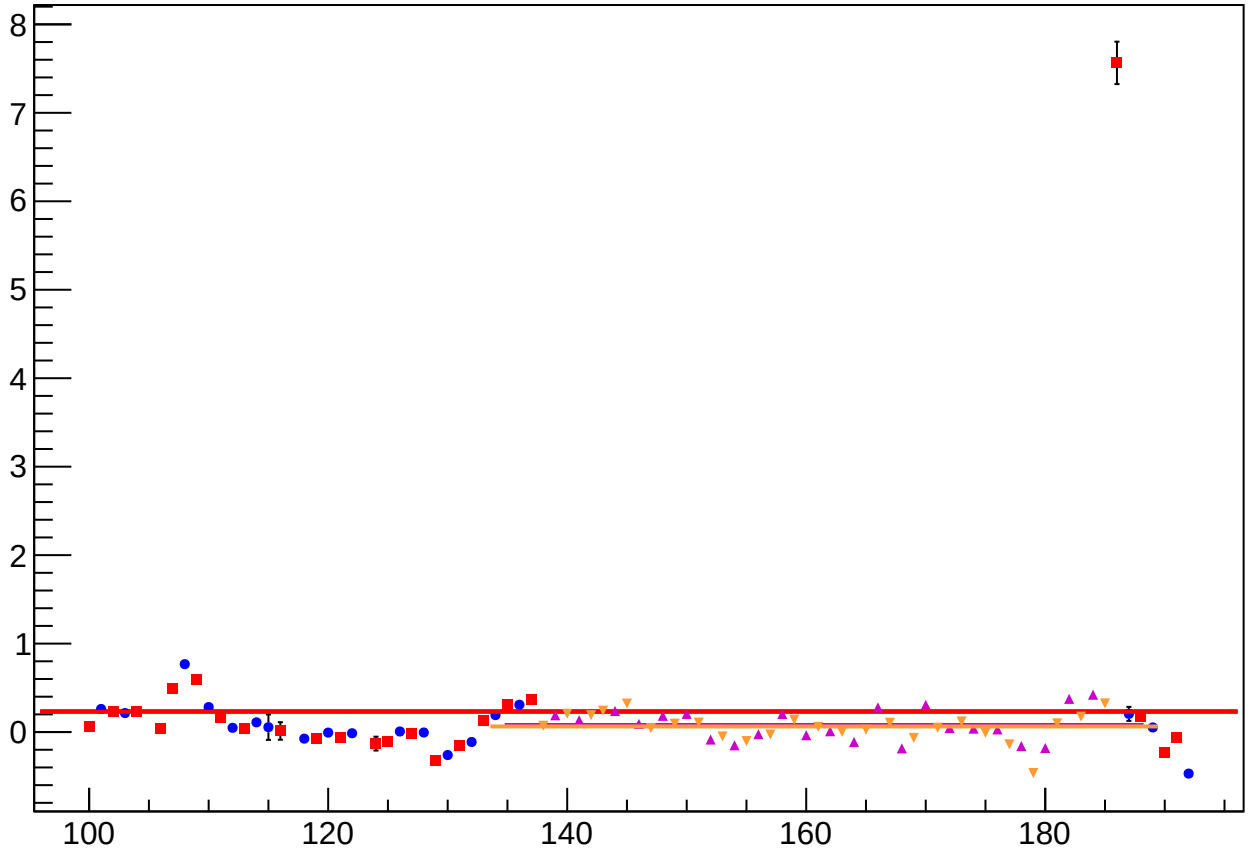
Right: 13.317+/-0.047 χ^2/NDF: 237088.7/41

In: 32.621+/-0.046 χ^2/NDF:269843.0/41

Out: 32.992+/-0.045 χ^2/NDF:300534.4/47

All: 32.811+/-0.032 χ^2/NDF: 570409.9/89

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: 0.229+/-0.003 χ^2/NDF: 3891.4/22

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

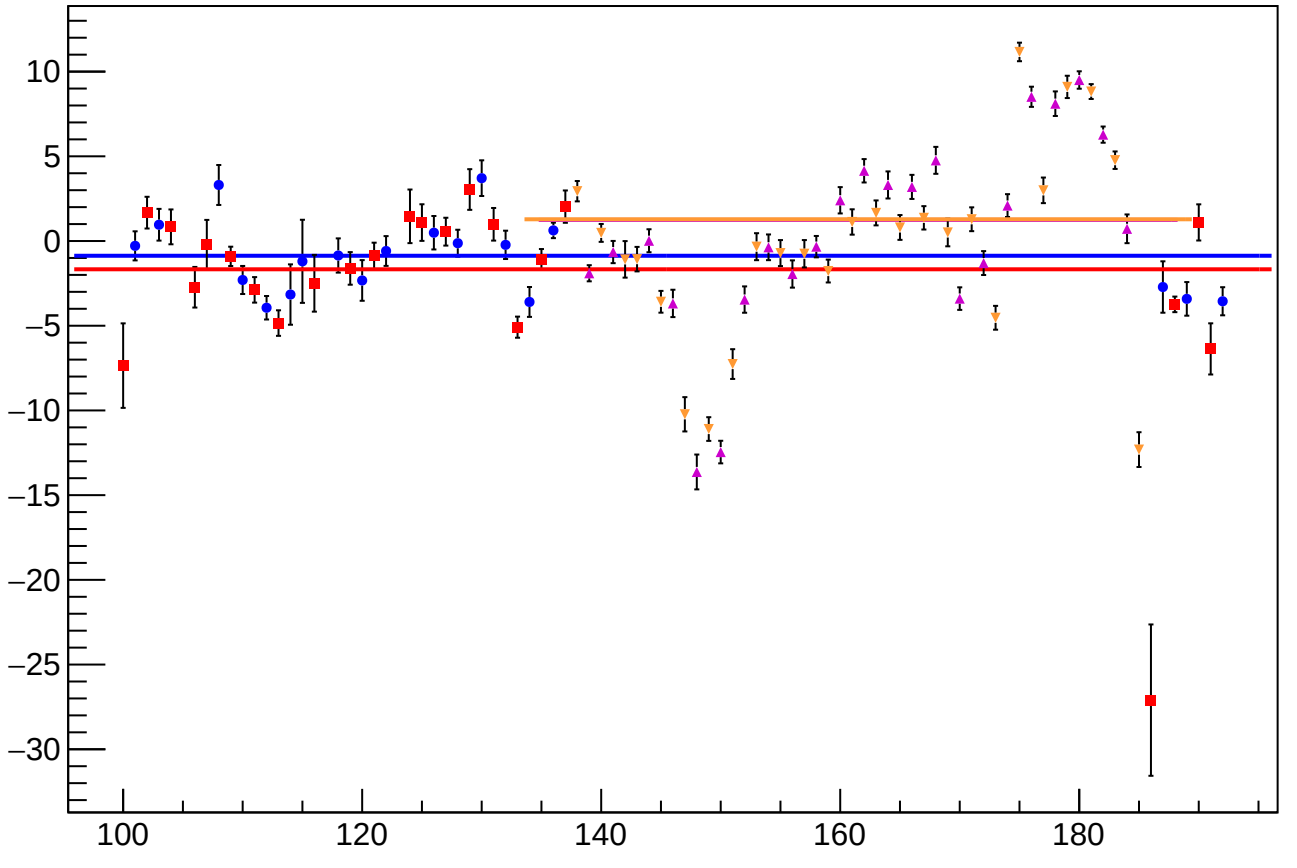
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.232+/-0.002 χ^2/NDF: 10505.6/41

In: 0.160+/-0.002 χ^2/NDF:11621.8/41

Out: 0.150+/-0.002 χ^2/NDF:8295.6/47

All: 0.155+/-0.001 χ^2/NDF: 19932.3/89



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: -1.669+/-0.183 χ^2/NDF: 204.8/22

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

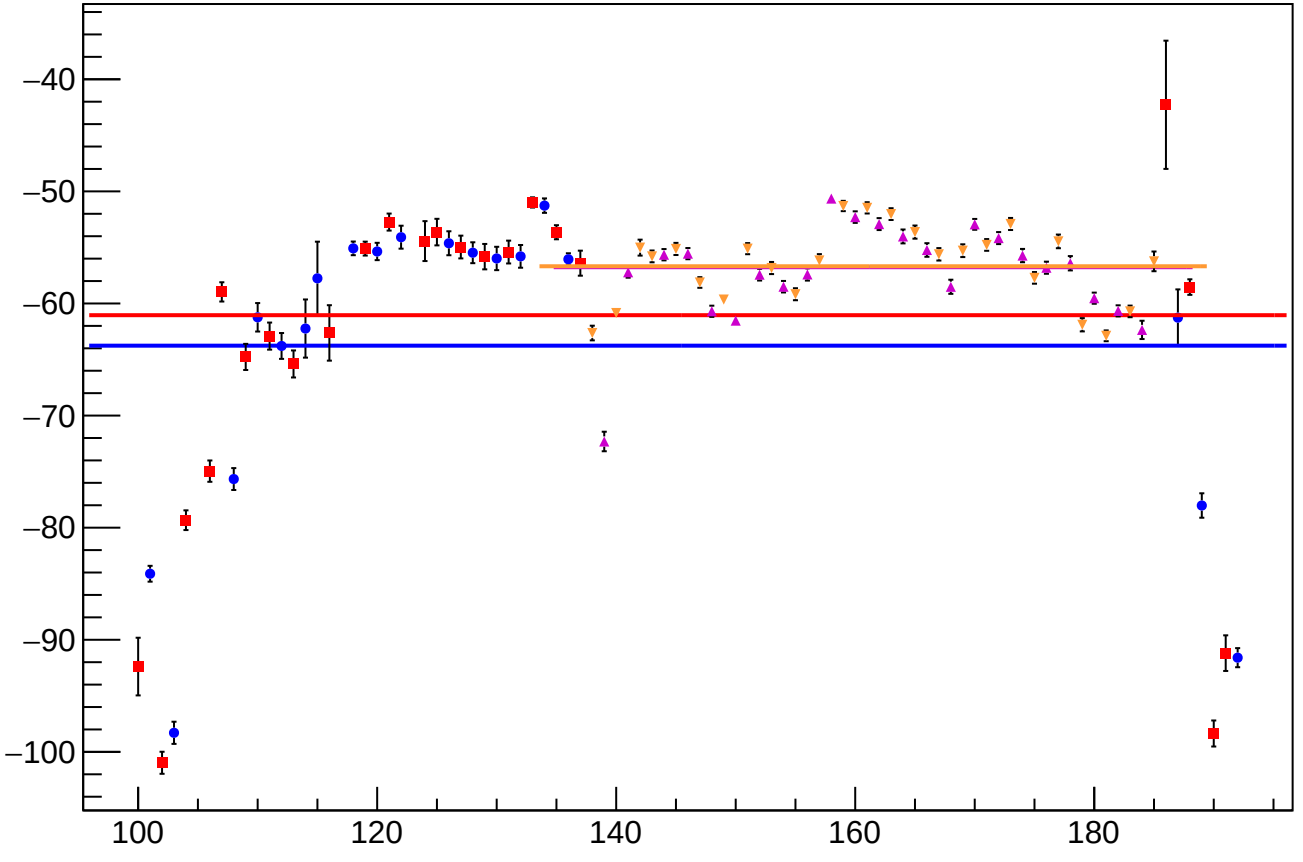
Right: -1.313+/-0.136 χ^2/NDF: 317.1/41

In: 0.564+/-0.116 χ^2/NDF:1689.4/41

Out: 0.220+/-0.110 χ^2/NDF:2087.6/47

All: 0.383+/-0.080 χ^2/NDF: 3781.7/89

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -61.045+/-0.194 χ^2/NDF: 4886.2/22

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

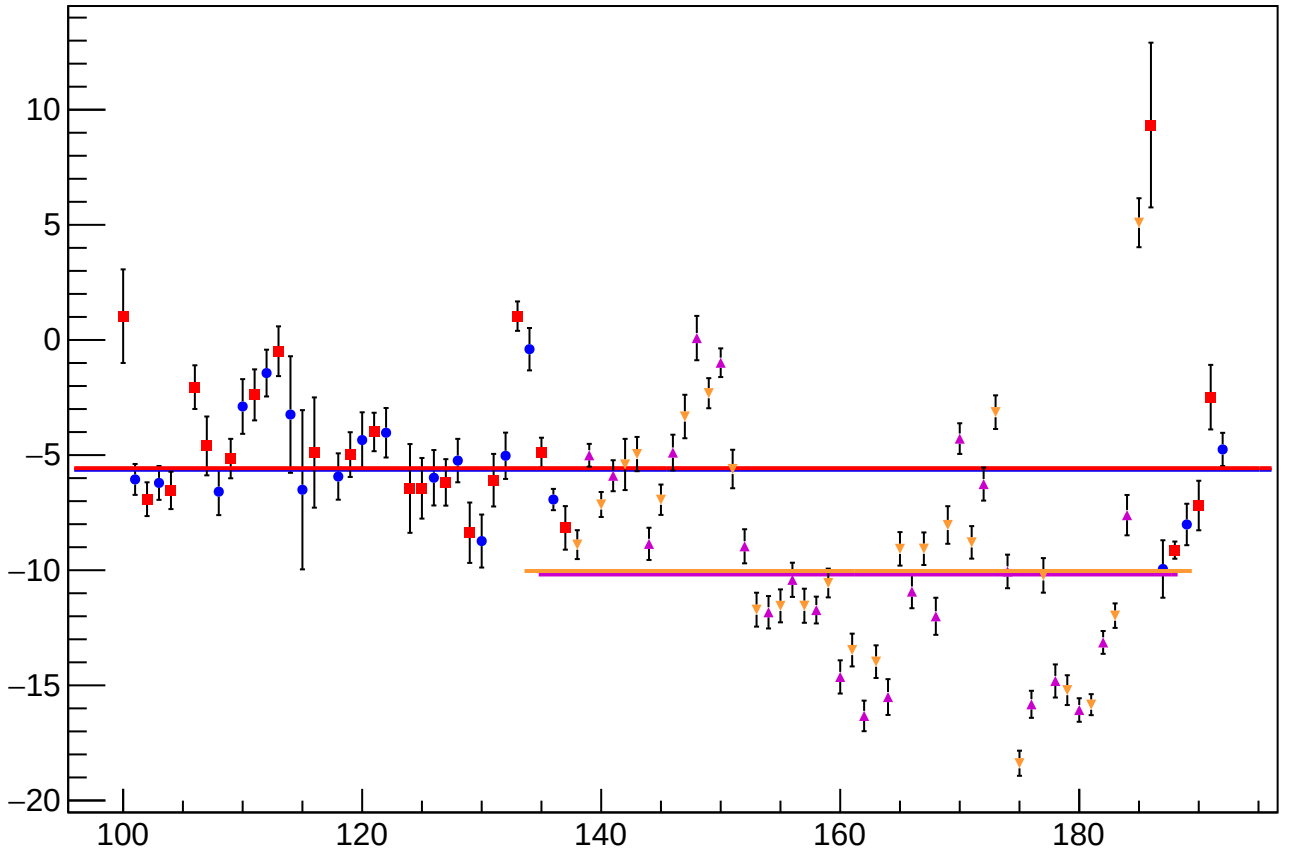
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -62.311+/-0.142 χ^2/NDF: 9688.9/41

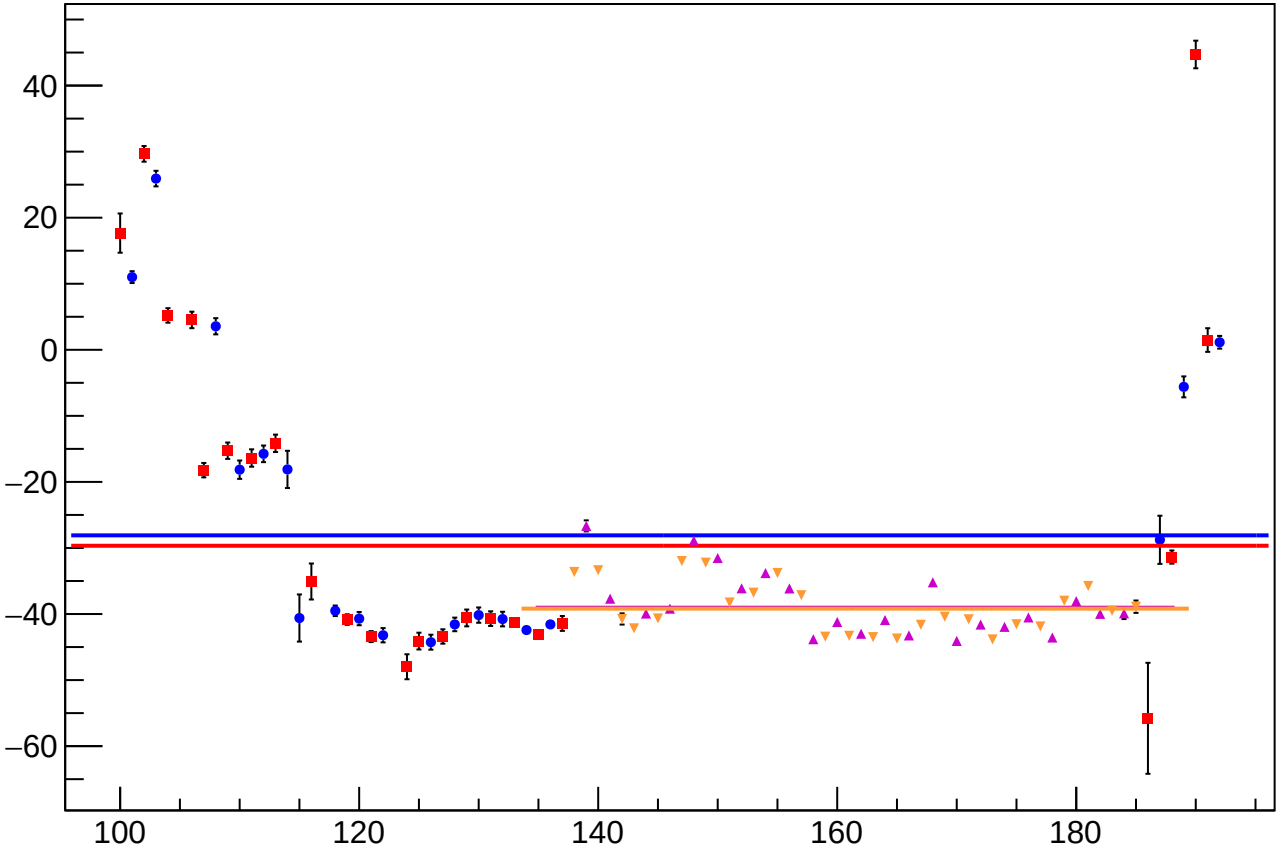
In: -58.343+/-0.099 χ^2/NDF:6700.9/41

Out: -57.704+/-0.094 χ^2/NDF:6289.5/47

All: -58.008+/-0.068 χ^2/NDF: 13012.4/89


reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
10
5
0
−5
−10
−15
−20
100
120
140
160
180
Right In: -5.637+/-0.210 χ²/NDF: 97.2/18
Left Out: -10.034+/-0.136 χ²/NDF:1182.4/24
Right Out: -5.568+/-0.186 χ²/NDF: 300.9/22
Left In: -10.184+/-0.139 χ²/NDF:1142.6/22
Left: -10.107+/-0.097 χ²/NDF: 2325.6/47
Right: -5.599+/-0.139 χ²/NDF: 398.2/41
In: -8.796+/-0.116 χ²/NDF:1566.0/41
Out: -8.478+/-0.110 χ²/NDF:1857.7/47
All: -8.628+/-0.080 χ²/NDF: 3427.7/89

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: -29.664+/-0.228 χ^2/NDF: 8590.1/22

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

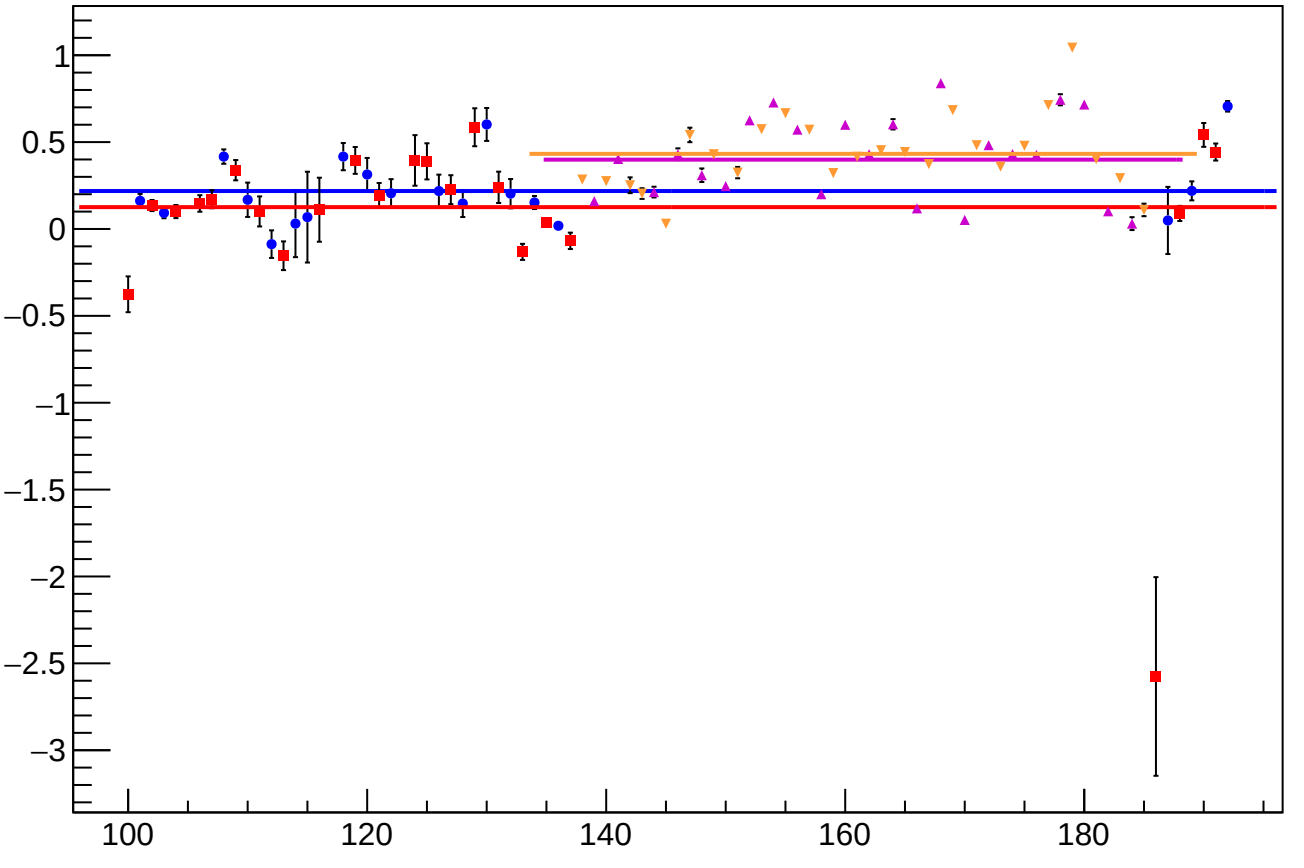
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -28.912+/-0.165 χ^2/NDF: 16774.7/41

In: -36.701+/-0.110 χ^2/NDF:11050.5/41

Out: -37.117+/-0.106 χ^2/NDF:10989.7/47

All: -36.917+/-0.076 χ^2/NDF: 22047.6/89



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: 0.126+/-0.011 χ^2/NDF: 255.0/22

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

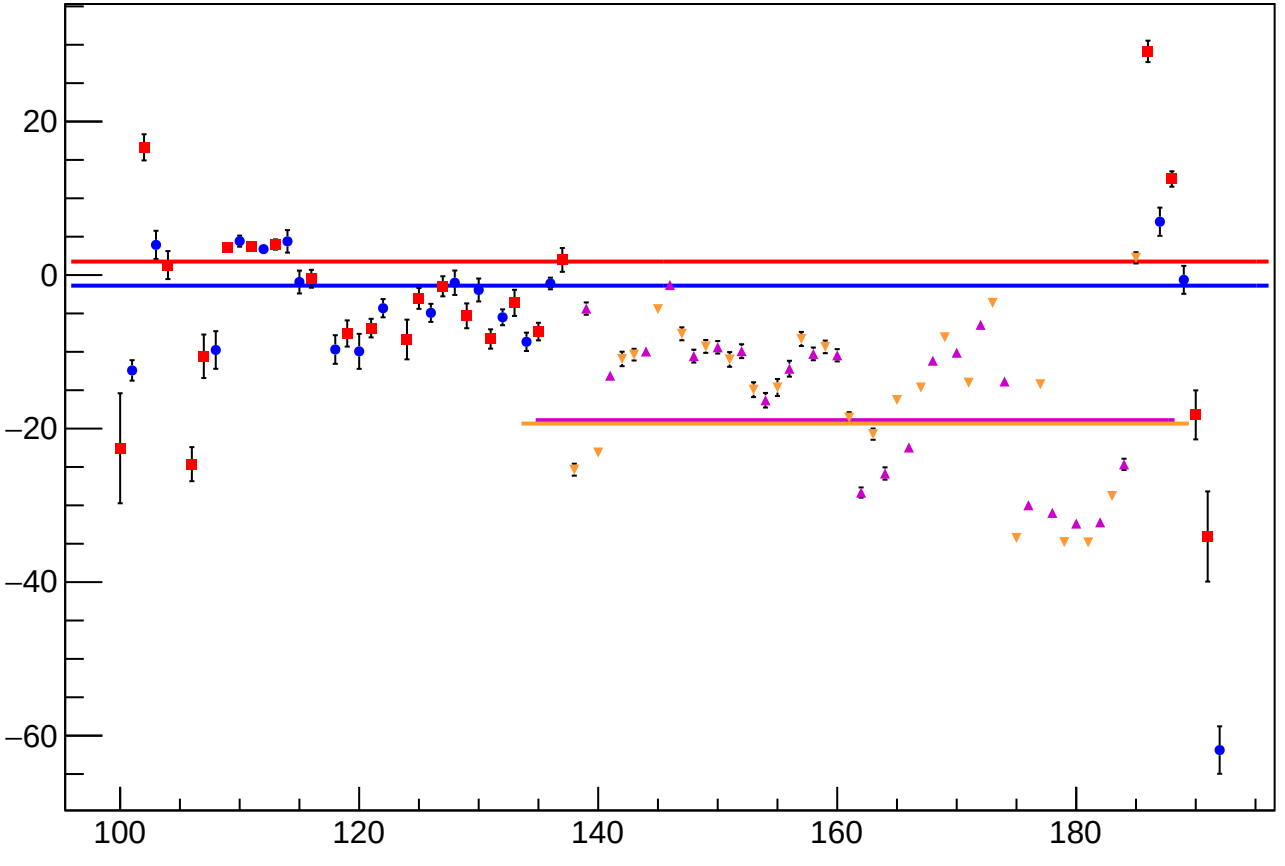
Right: 0.172+/-0.008 χ^2/NDF: 718.1/41

In: 0.366+/-0.005 χ^2/NDF:2562.4/41

Out: 0.378+/-0.005 χ^2/NDF:2220.4/47

All: 0.372+/-0.003 χ^2/NDF: 4785.8/89

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: 1.758+/-0.252 χ^2/NDF: 1130.7/22

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

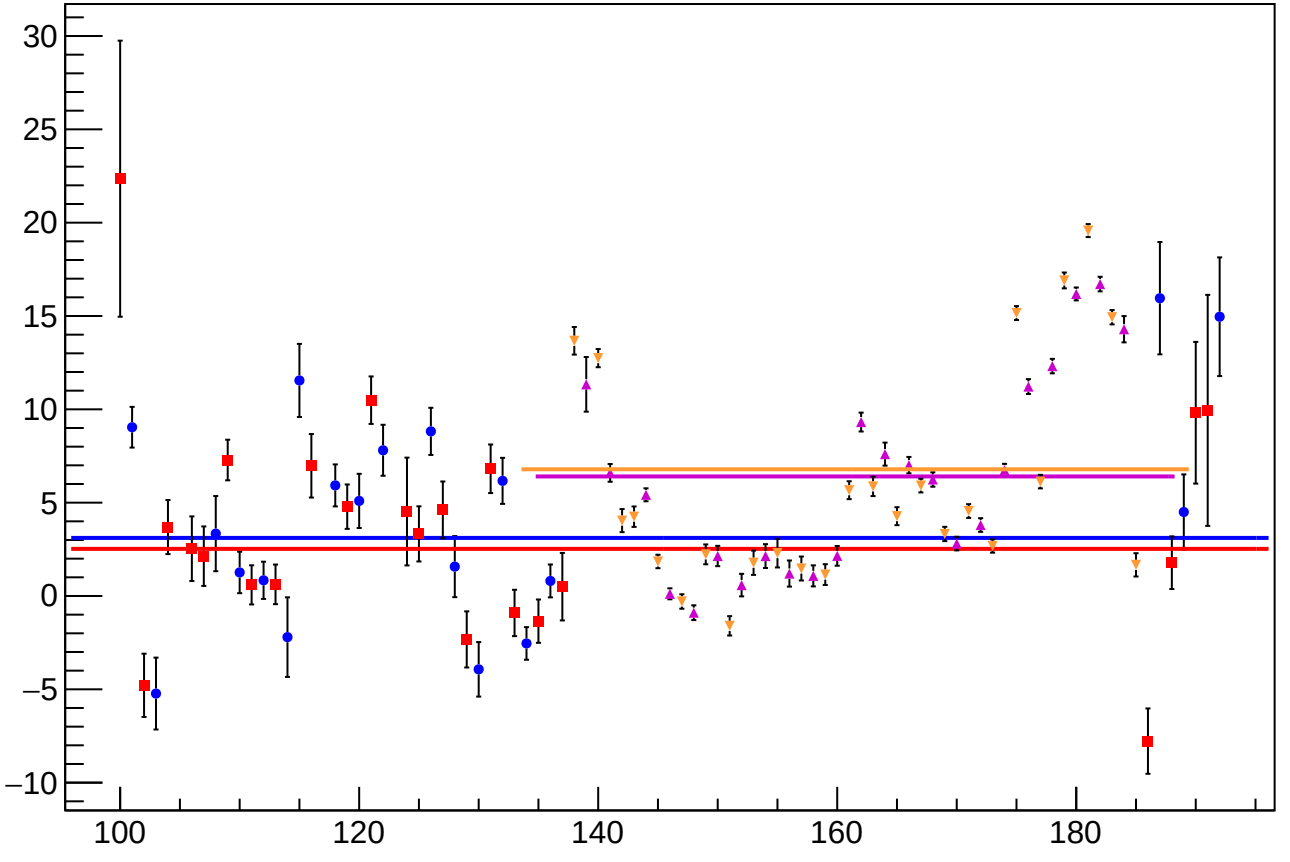
Right: 0.316+/-0.185 χ^2/NDF: 1938.6/41

In: -16.219+/-0.107 χ^2/NDF:12508.8/41

Out: -15.794+/-0.103 χ^2/NDF:17359.7/47

All: -15.999+/-0.074 χ^2/NDF: 29876.7/89

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.111+/-0.307 χ^2/NDF: 233.0/18

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.525+/-0.308 χ^2/NDF: 185.9/22

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

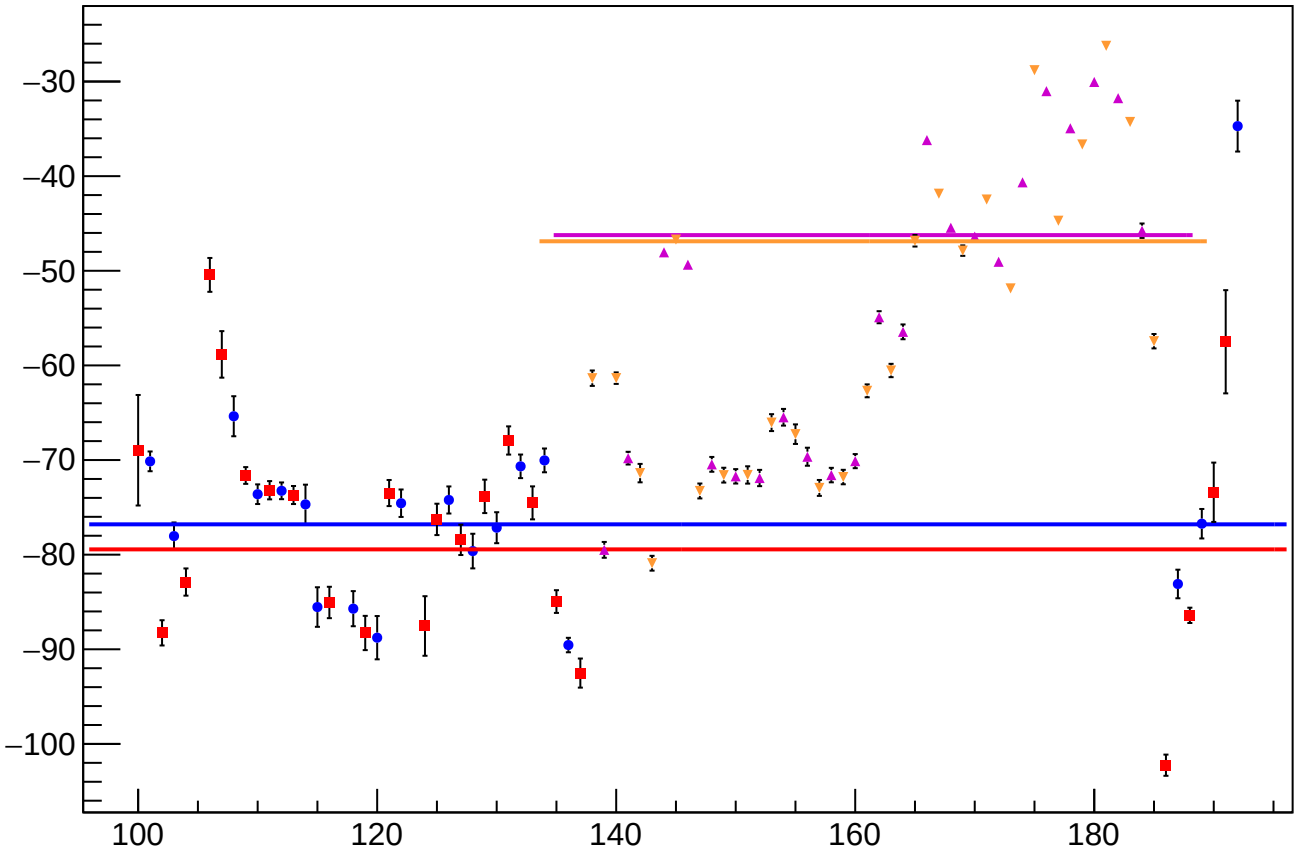
Left: 6.598+/-0.064 χ^2/NDF: 8051.9/47

Right: 2.819+/-0.217 χ^2/NDF: 420.7/41

In: 6.137+/-0.087 χ^2/NDF:3749.4/41

Out: 6.451+/-0.086 χ^2/NDF:4995.0/47

All: 6.296+/-0.061 χ^2/NDF: 8751.0/89



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: -79.441+/-0.292 χ^2/NDF: 1286.3/22

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

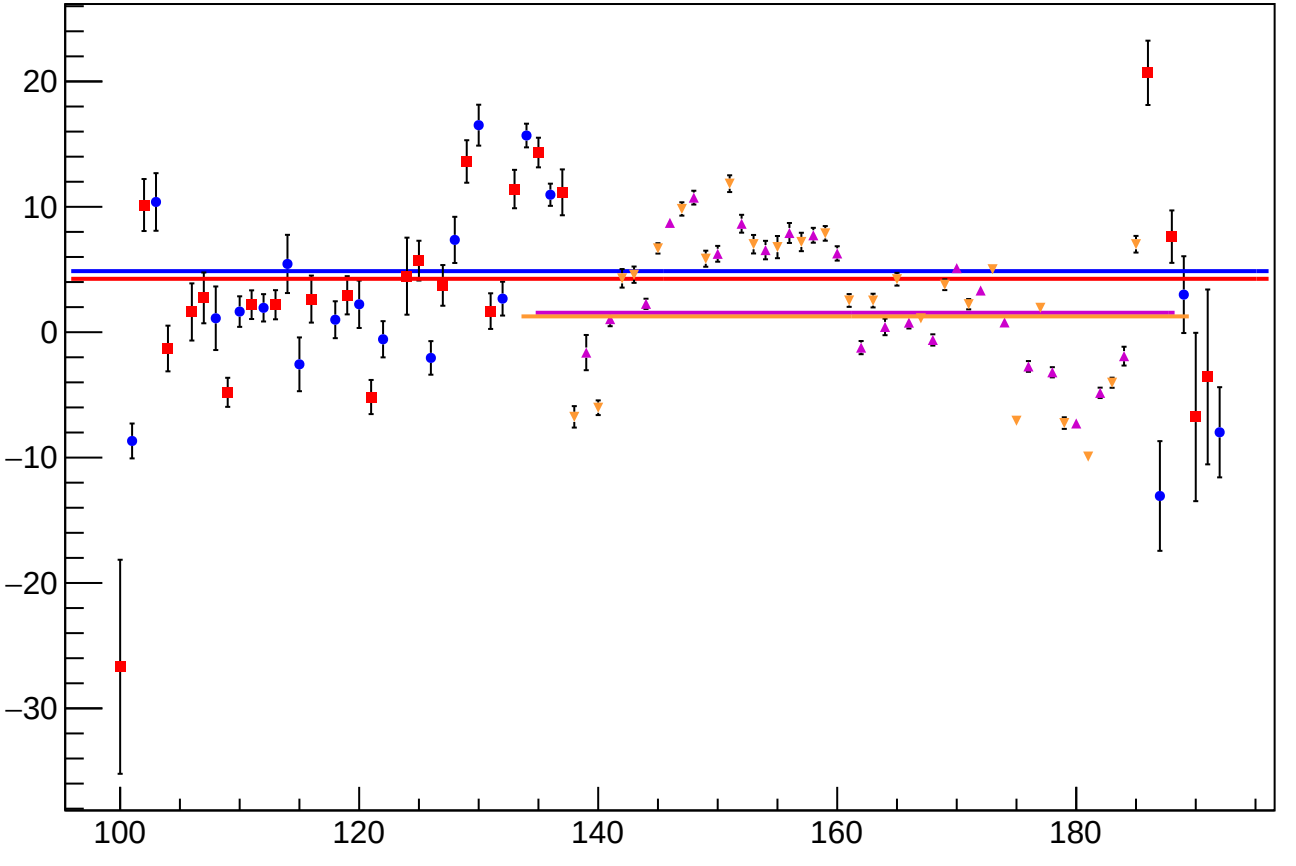
Right: -78.199+/-0.213 χ^2/NDF: 2091.7/41

In: -49.992+/-0.109 χ^2/NDF:24440.6/41

Out: -51.183+/-0.106 χ^2/NDF:30053.0/47

All: -50.603+/-0.076 χ^2/NDF: 54554.9/89

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 4.259+/-0.352 χ^2/NDF: 340.1/22

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

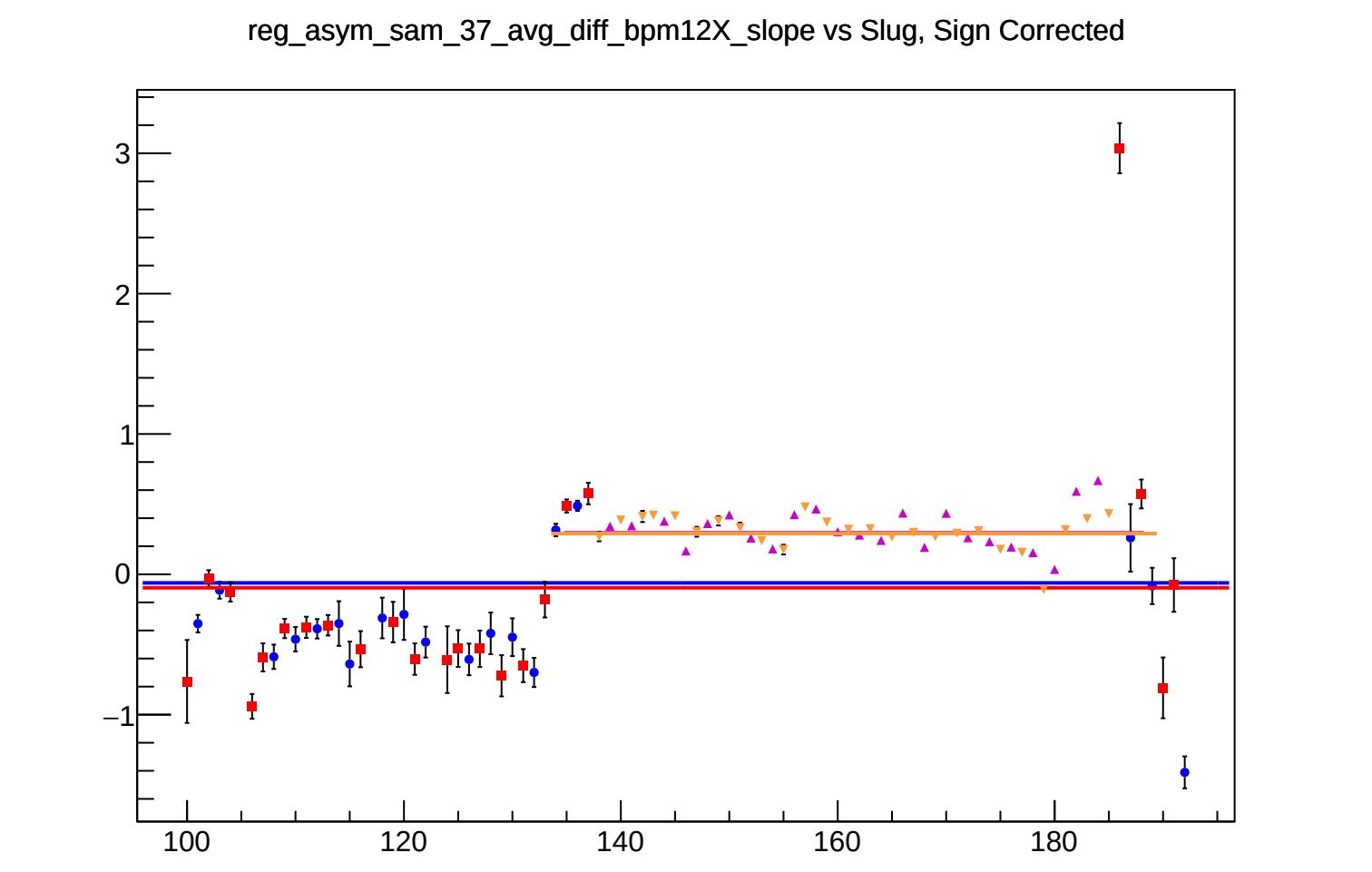
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

Right: 4.571+/-0.246 χ^2/NDF: 784.5/41

In: 1.818+/-0.098 χ^2/NDF:2863.8/41

Out: 1.487+/-0.097 χ^2/NDF:3852.8/47

All: 1.650+/-0.069 χ^2/NDF: 6722.5/89



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: -0.096+/-0.020 χ^2/NDF: 864.3/22

Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

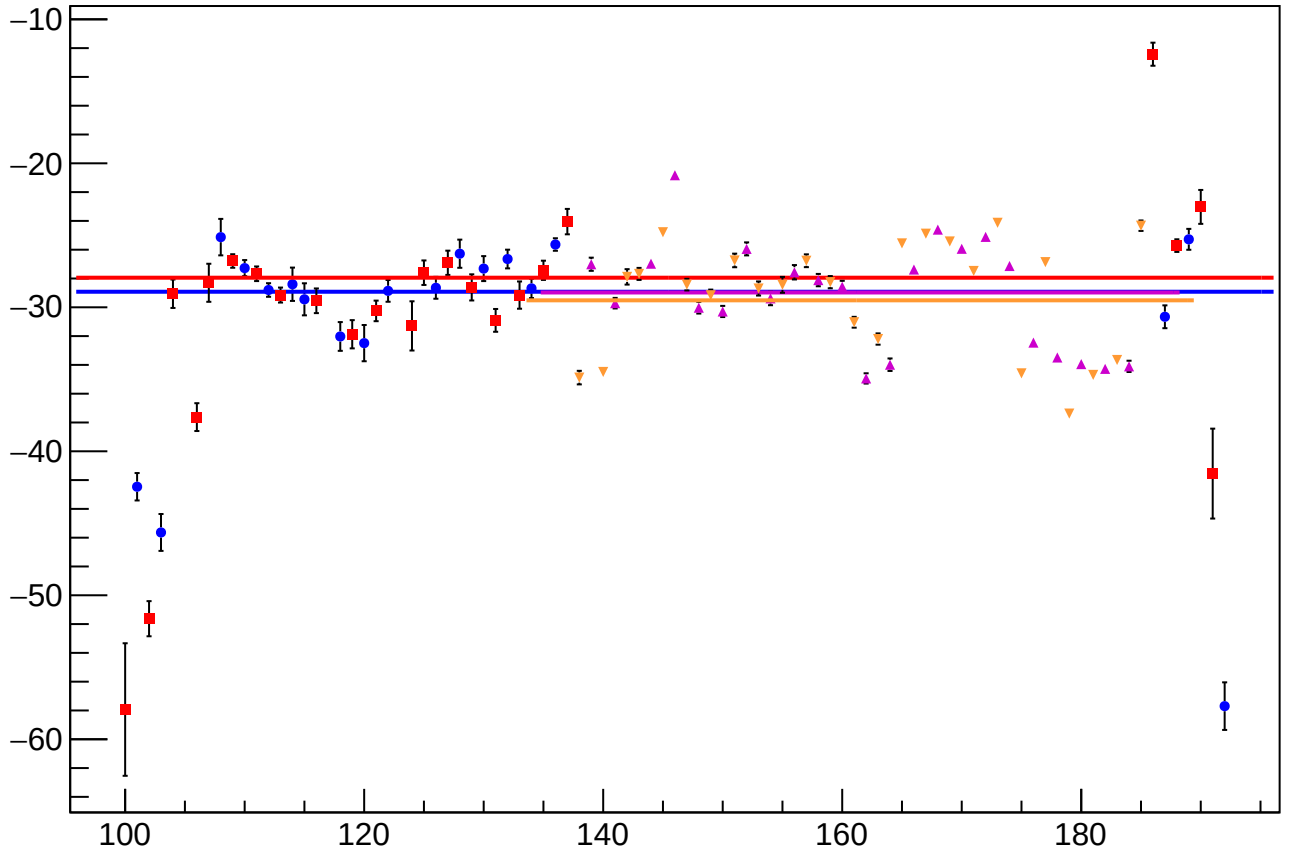
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.077+/-0.013 χ^2/NDF: 1524.4/41

In: 0.275+/-0.004 χ^2/NDF:2046.0/41

Out: 0.271+/-0.004 χ^2/NDF:1955.0/47

All: 0.273+/-0.003 χ^2/NDF: 4001.4/89



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: -27.945+/-0.162 χ^2/NDF: 1042.1/22

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

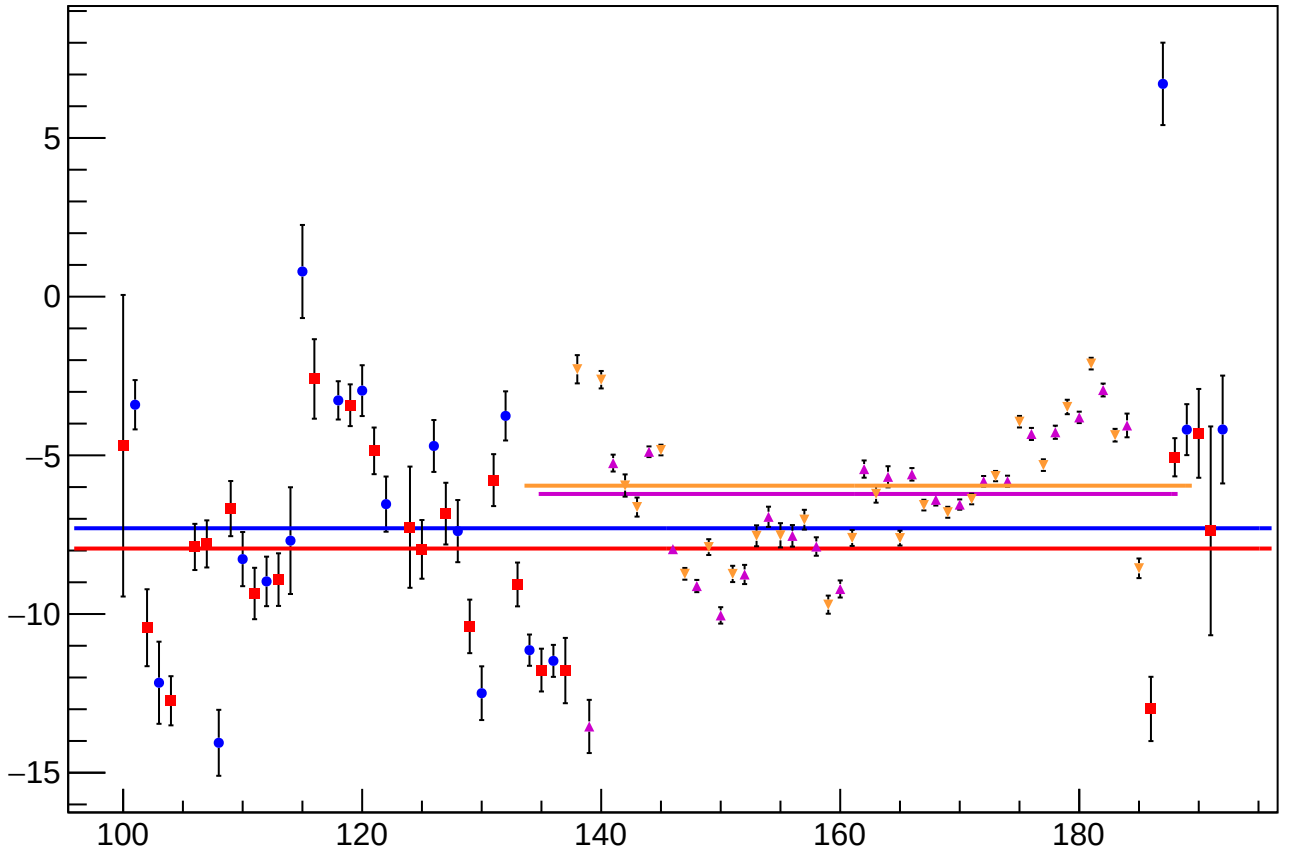
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -28.396+/-0.119 χ^2/NDF: 1880.8/41

In: -28.966+/-0.054 χ^2/NDF:6170.6/41

Out: -29.347+/-0.053 χ^2/NDF:7214.3/47

All: -29.160+/-0.038 χ^2/NDF: 13410.1/89



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: -7.936+/-0.182 χ^2/NDF: 252.8/22

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

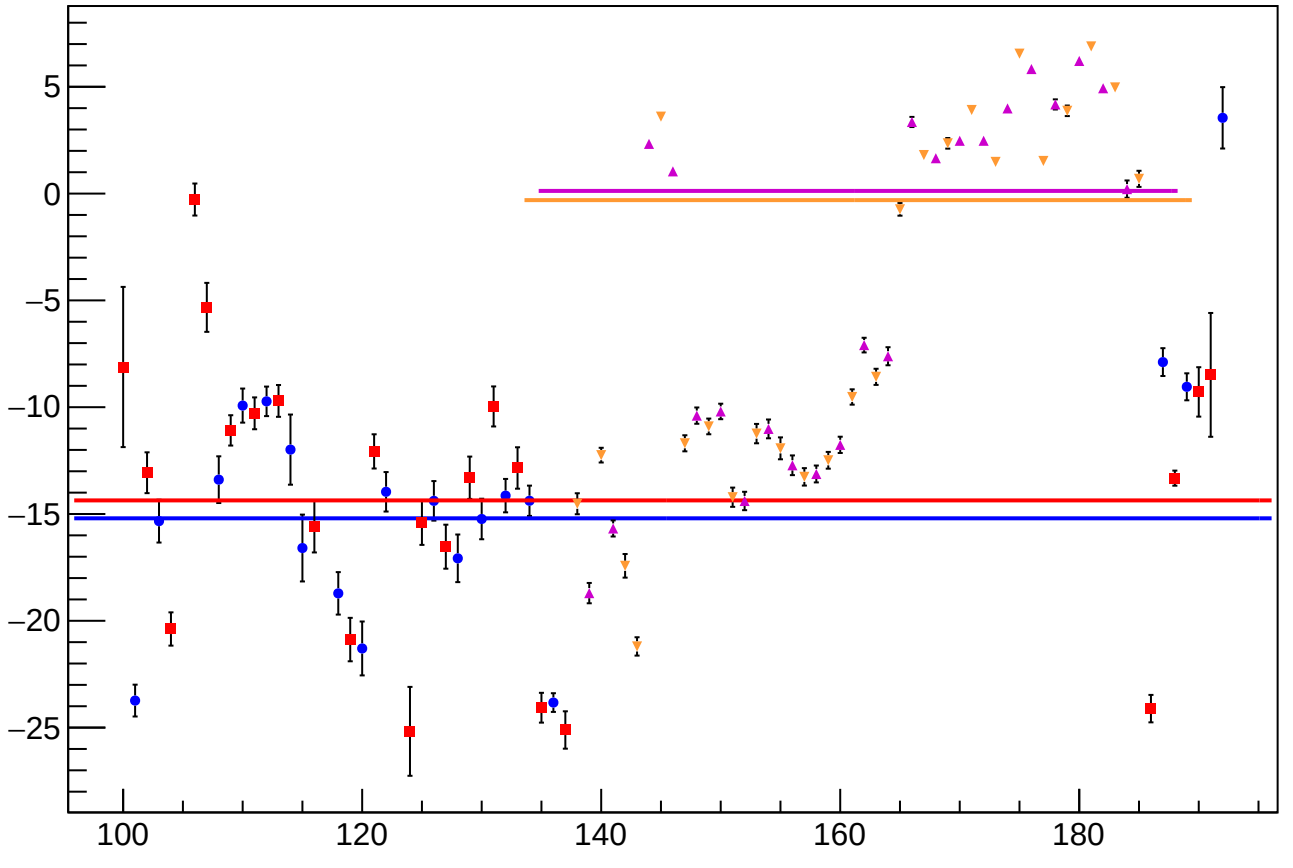
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.624+/-0.130 χ^2/NDF: 784.3/41

In: -6.274+/-0.043 χ^2/NDF:2299.1/41

Out: -6.068+/-0.043 χ^2/NDF:2222.4/47

All: -6.171+/-0.030 χ^2/NDF: 4533.0/89



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: -14.364+/-0.171 χ^2/NDF: 1285.0/22

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

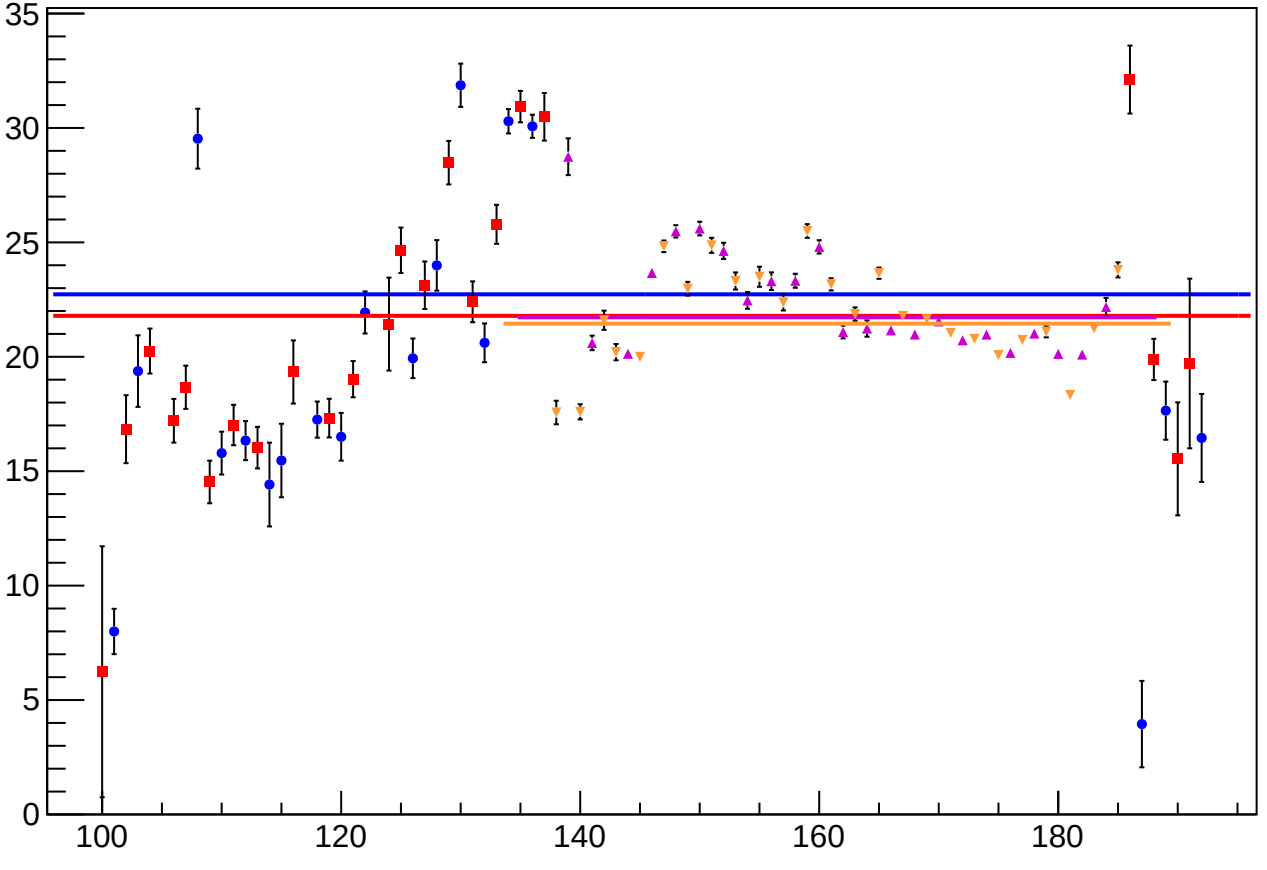
Right: -14.743+/-0.127 χ^2/NDF: 2364.8/41

In: -1.160+/-0.055 χ^2/NDF:20968.8/41

Out: -1.690+/-0.054 χ^2/NDF:24550.1/47

All: -1.429+/-0.038 χ^2/NDF: 45566.9/89

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: 21.790+/-0.214 χ^2/NDF: 617.8/22

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

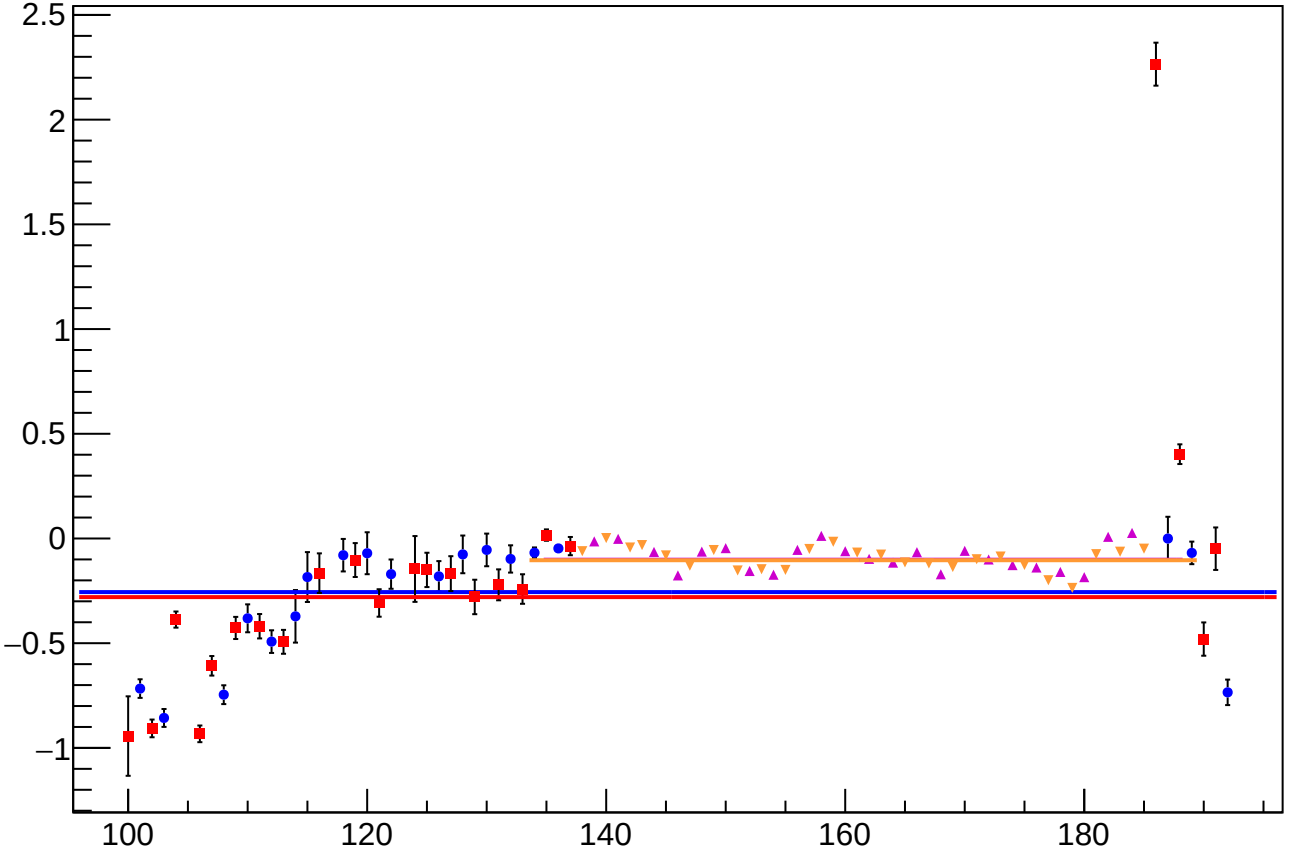
Right: 22.264+/-0.151 χ^2/NDF: 1766.2/41

In: 21.777+/-0.048 χ^2/NDF:2333.6/41

Out: 21.464+/-0.048 χ^2/NDF:1945.5/47

All: 21.621+/-0.034 χ^2/NDF: 4300.1/89

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.280+/-0.012 χ^2/NDF: 1585.6/22

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

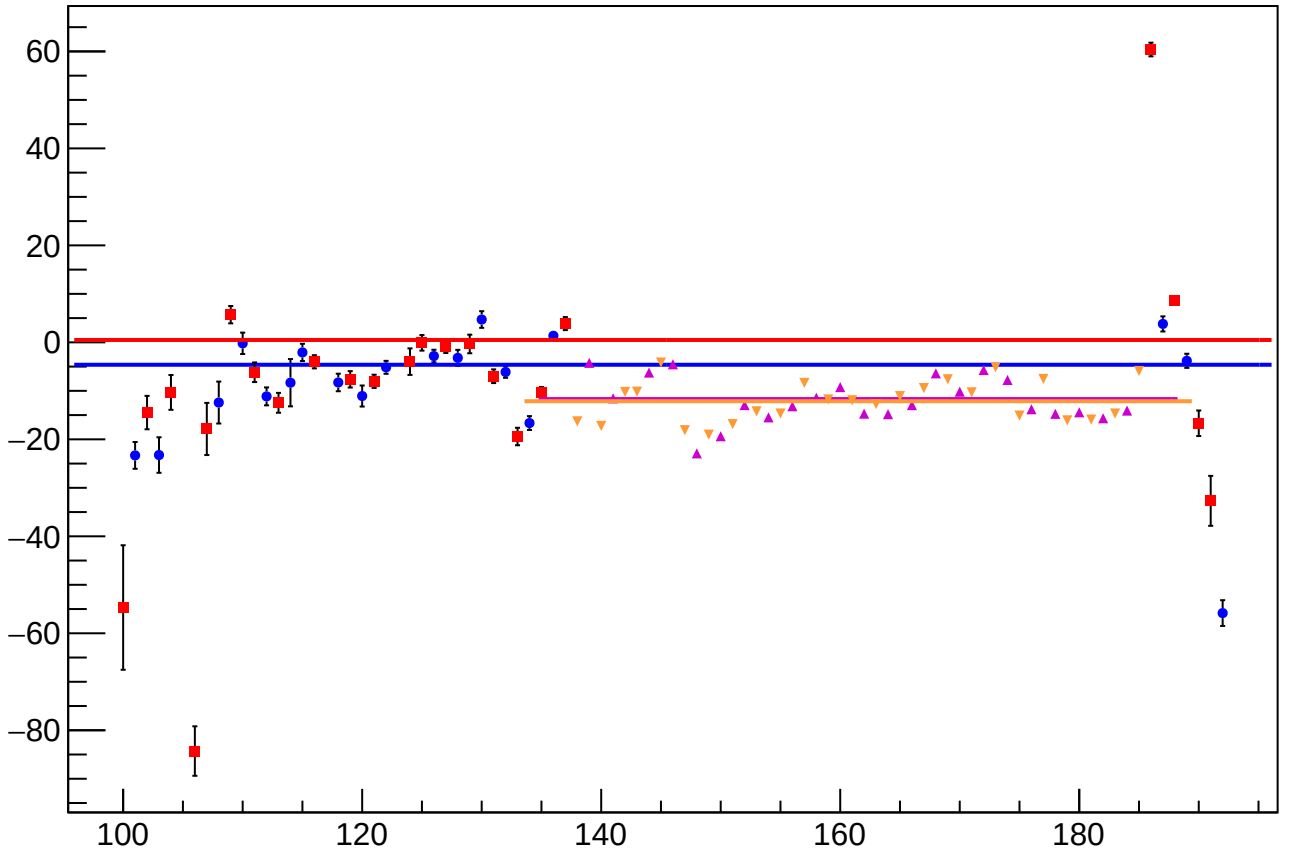
Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

Right: -0.267+/-0.008 χ^2/NDF: 2301.6/41

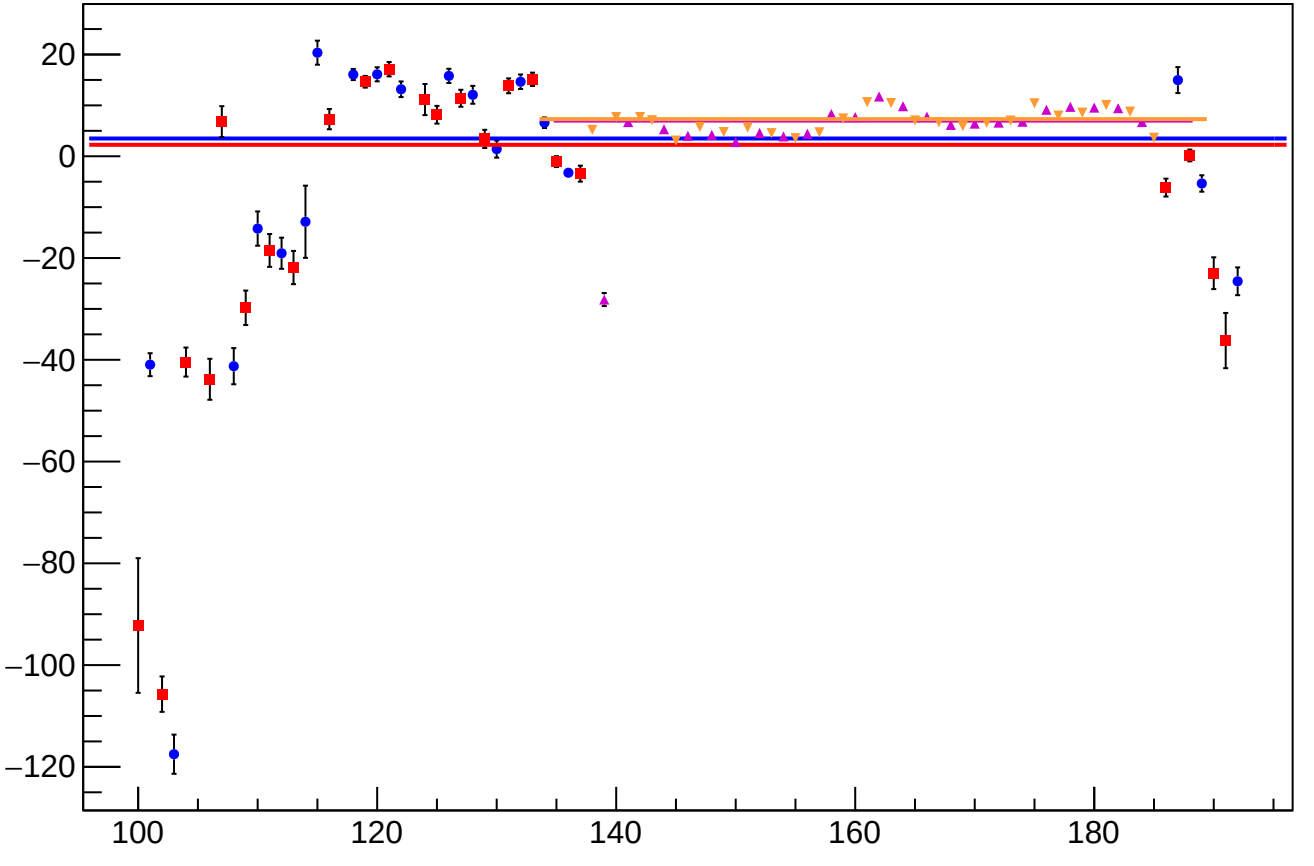
In: -0.107+/-0.002 χ^2/NDF:1657.0/41

Out: -0.110+/-0.002 χ^2/NDF:2353.6/47

All: -0.109+/-0.002 χ^2/NDF: 4011.2/89


reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
100
120
140
160
180
Right In: -4.621+/-0.356 χ²/NDF: 691.1/18
Left Out: -12.143+/-0.092 χ²/NDF:2130.5/24
Right Out: 0.491+/-0.349 χ²/NDF: 2720.2/22
Left In: -11.698+/-0.094 χ²/NDF:1951.0/22
Left: -11.927+/-0.066 χ²/NDF: 4092.9/47
Right: -2.018+/-0.249 χ²/NDF: 3516.3/41
In: -11.234+/-0.091 χ²/NDF:3011.2/41
Out: -11.332+/-0.089 χ²/NDF:6073.5/47
All: -11.285+/-0.064 χ²/NDF: 9085.3/89

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 2.255+/-0.383 χ^2/NDF: 2160.9/22

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

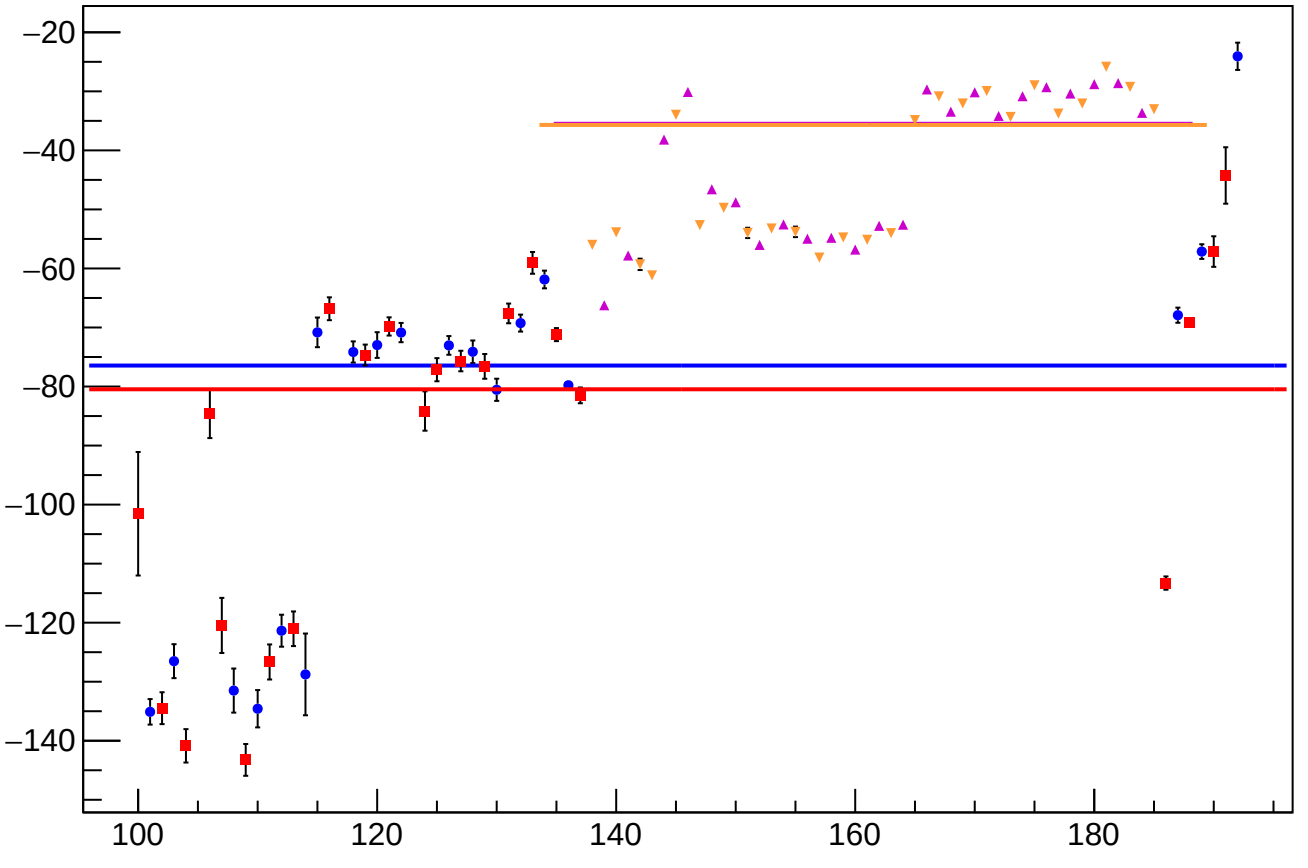
Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

Right: 2.899+/-0.265 χ^2/NDF: 4495.6/41

In: 6.860+/-0.074 χ^2/NDF:3993.1/41

Out: 7.111+/-0.074 χ^2/NDF:3150.6/47

All: 6.987+/-0.052 χ^2/NDF: 7149.4/89



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: -80.468+/-0.354 χ^2/NDF: 3579.4/22

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

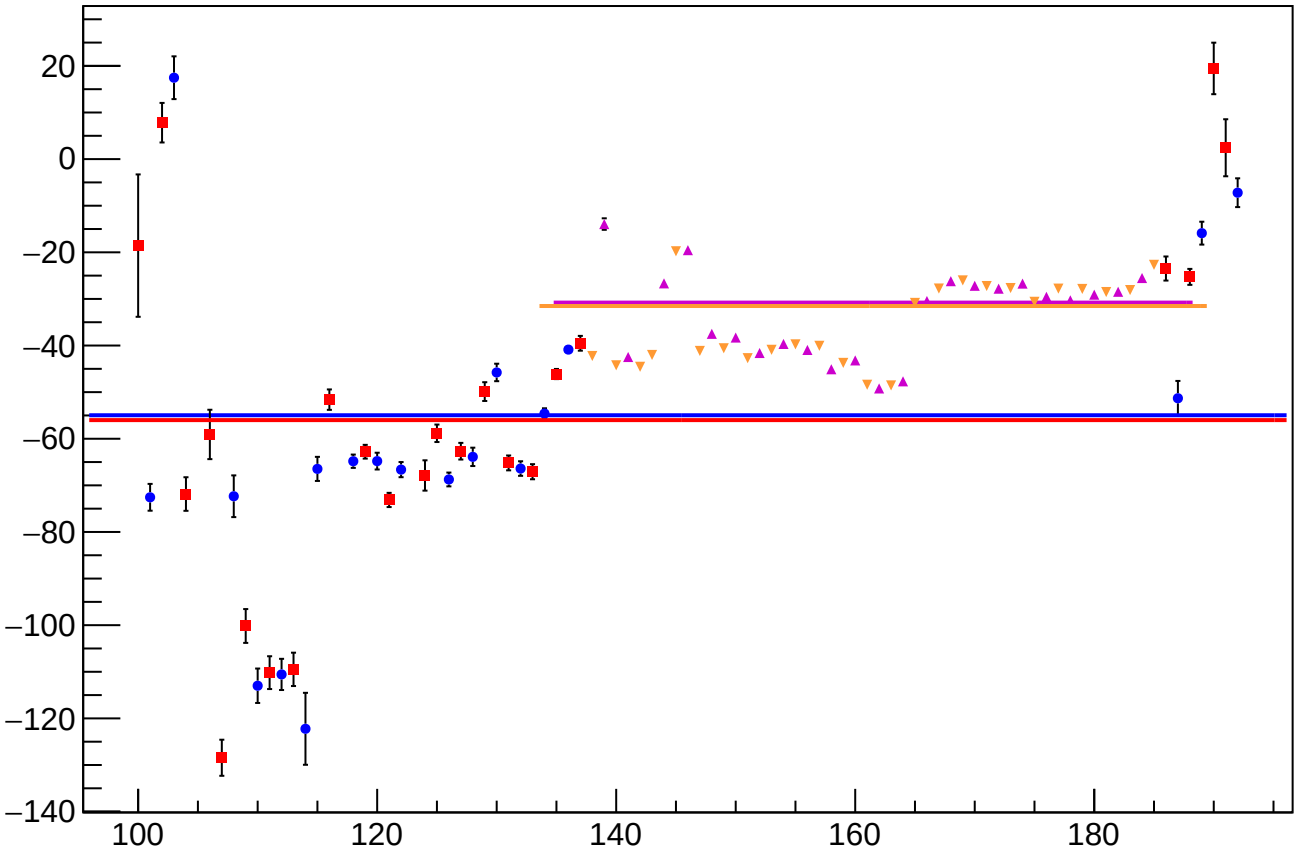
Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

Right: -78.559+/-0.257 χ^2/NDF: 6544.1/41

In: -37.975+/-0.092 χ^2/NDF:25408.6/41

Out: -38.531+/-0.089 χ^2/NDF:31312.7/47

All: -38.261+/-0.064 χ^2/NDF: 56740.1/89



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: -56.002+/-0.444 χ^2/NDF: 2429.6/22

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

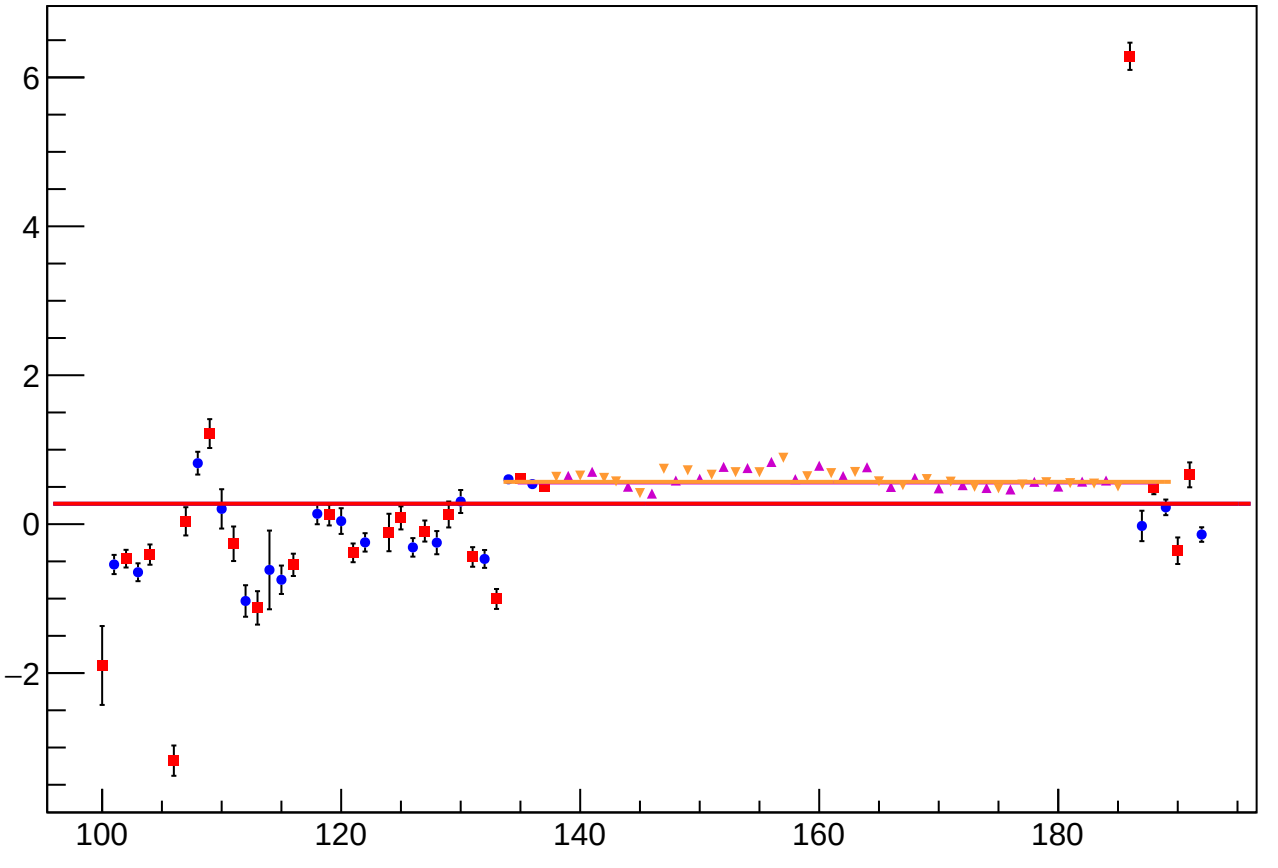
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -55.443+/-0.302 χ^2/NDF: 4477.7/41

In: -31.755+/-0.083 χ^2/NDF:12880.7/41

Out: -32.343+/-0.081 χ^2/NDF:13828.0/47

All: -32.054+/-0.058 χ^2/NDF: 26734.4/89



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: 0.275+/-0.025 χ^2/NDF: 1805.5/22

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

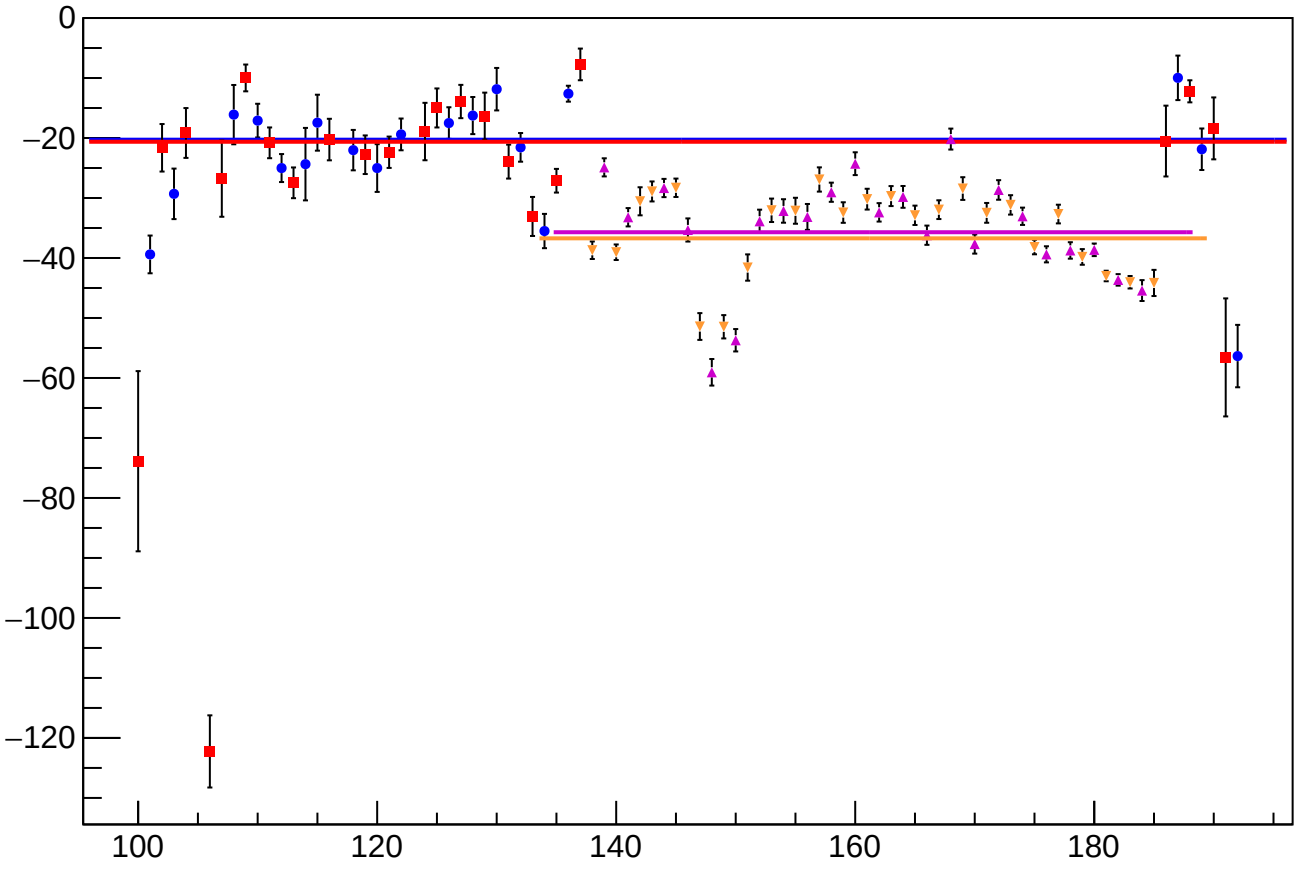
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.274+/-0.016 χ^2/NDF: 2202.0/41

In: 0.552+/-0.004 χ^2/NDF:1236.9/41

Out: 0.562+/-0.004 χ^2/NDF:2499.7/47

All: 0.557+/-0.003 χ^2/NDF: 3740.4/89



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: -20.626+/-0.654 χ^2/NDF: 425.2/22

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

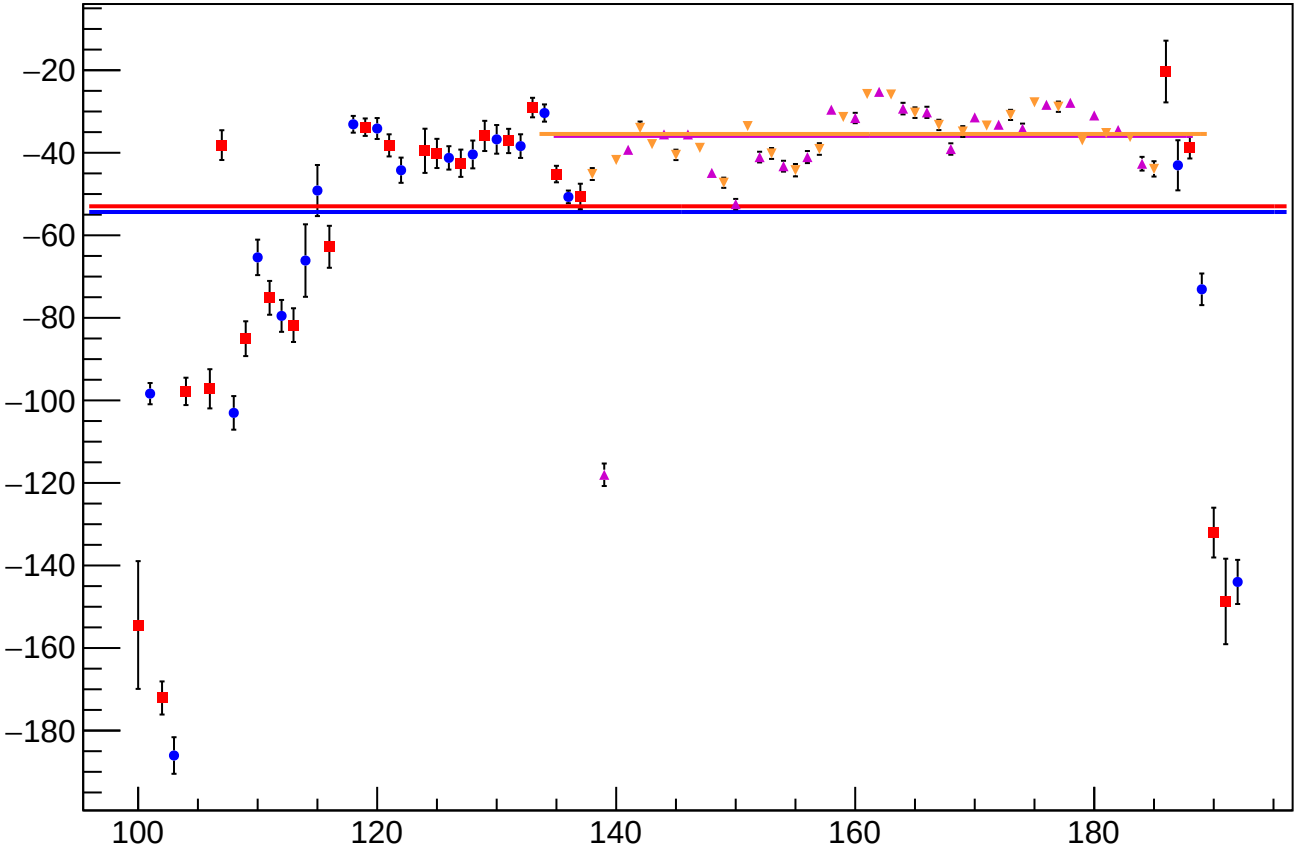
Right: -20.456+/-0.466 χ^2/NDF: 602.2/41

In: -32.756+/-0.291 χ^2/NDF:1191.2/41

Out: -33.770+/-0.280 χ^2/NDF:1340.2/47

All: -33.281+/-0.202 χ^2/NDF: 2537.8/89

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -54.354+/-0.686 χ^2/NDF: 2095.0/18

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -52.968+/-0.710 χ^2/NDF: 1968.4/22

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

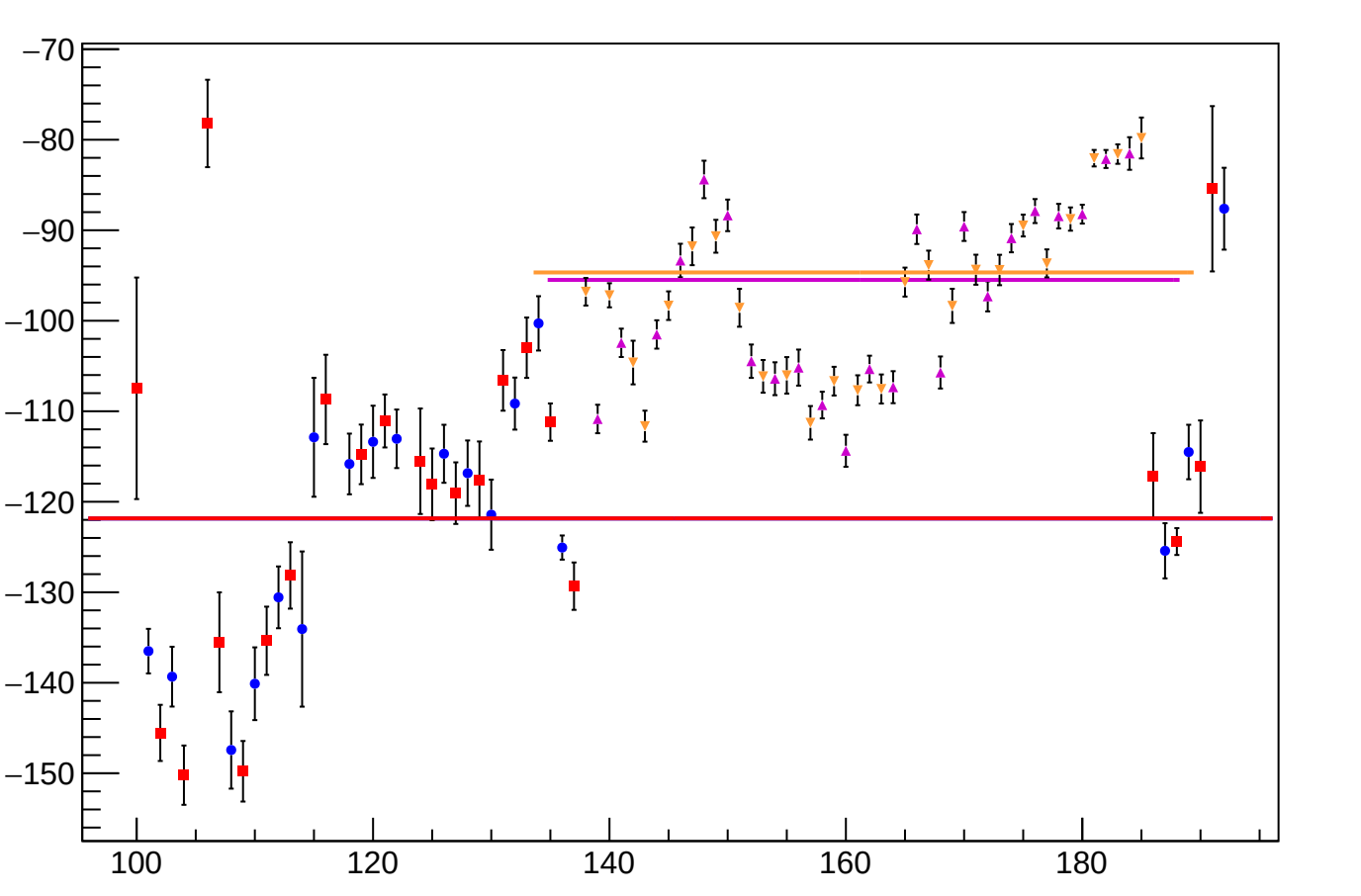
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -53.685+/-0.493 χ^2/NDF: 4065.4/41

In: -38.169+/-0.240 χ^2/NDF:4272.3/41

Out: -37.308+/-0.231 χ^2/NDF:3051.4/47

All: -37.723+/-0.167 χ^2/NDF: 7330.3/89



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: -121.837+/-0.689 χ^2/NDF: 445.7/22

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

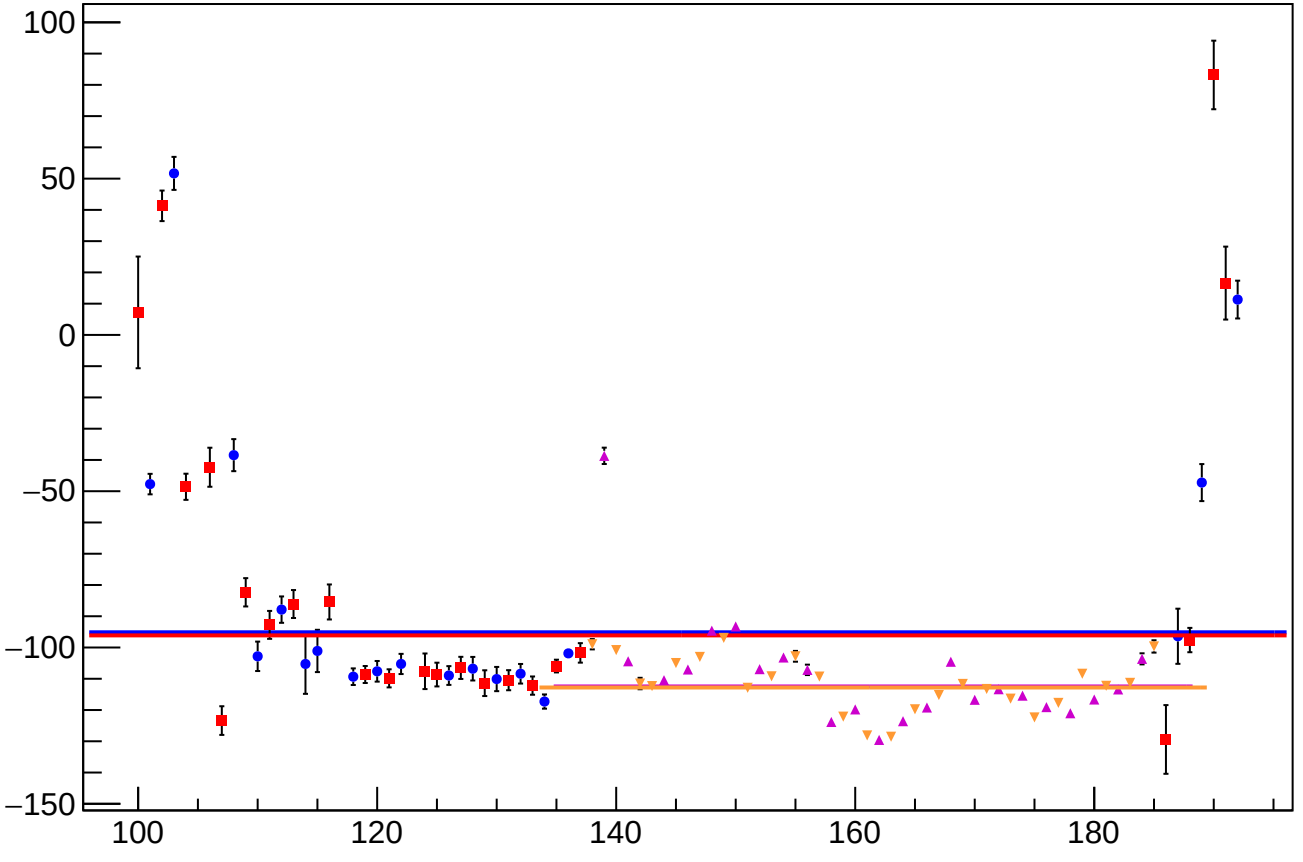
Right: -121.847+/-0.491 χ^2/NDF: 739.6/41

In: -100.082+/-0.292 χ^2/NDF:2437.9/41

Out: -99.236+/-0.283 χ^2/NDF:2640.4/47

All: -99.645+/-0.203 χ^2/NDF: 5082.6/89

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -96.123+/-0.817 χ^2/NDF: 1609.0/22

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

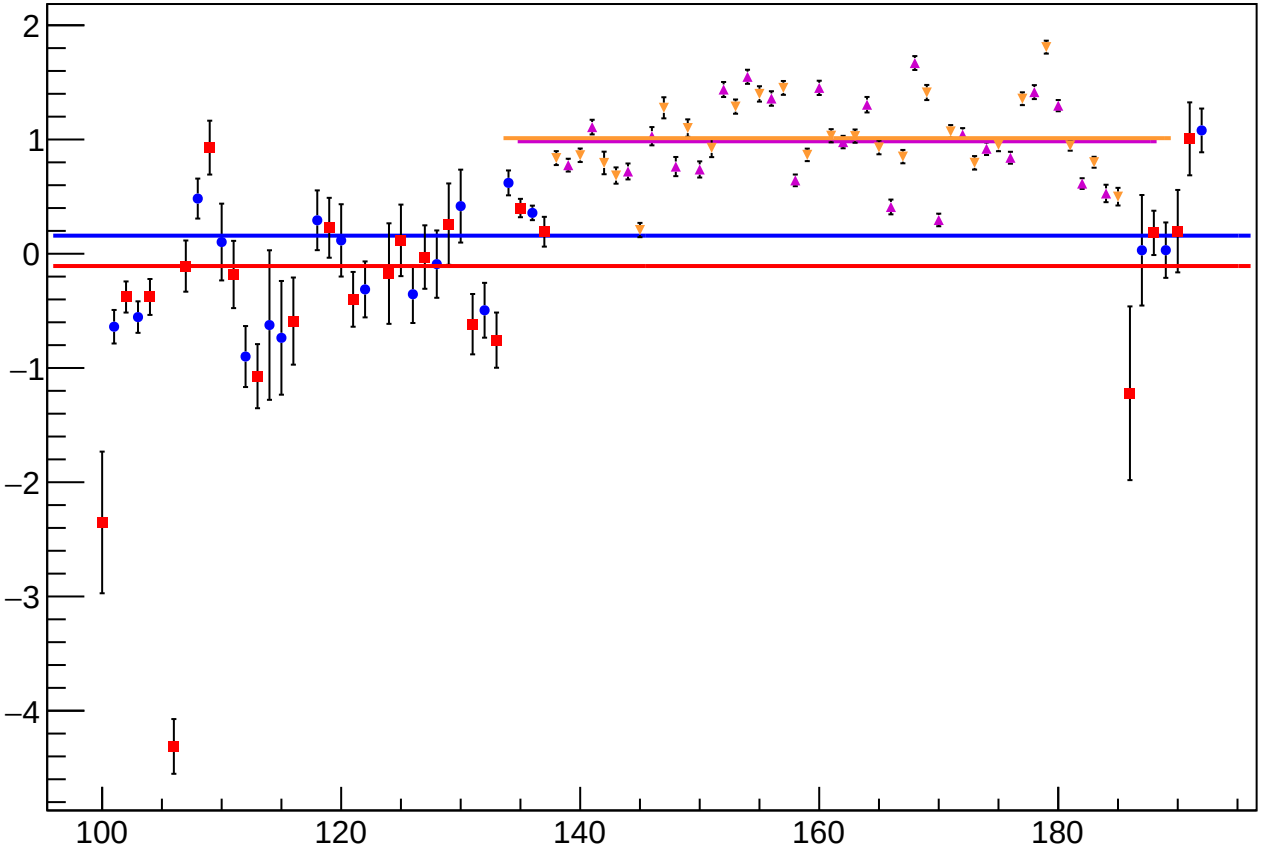
Right: -95.605+/-0.563 χ^2/NDF: 3327.1/41

In: -110.410+/-0.267 χ^2/NDF:3945.0/41

Out: -111.108+/-0.260 χ^2/NDF:2919.6/47

All: -110.769+/-0.186 χ^2/NDF: 6868.2/89

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.158+/-0.040 χ^2/NDF: 148.3/18

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: -0.108+/-0.043 χ^2/NDF: 439.0/22

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

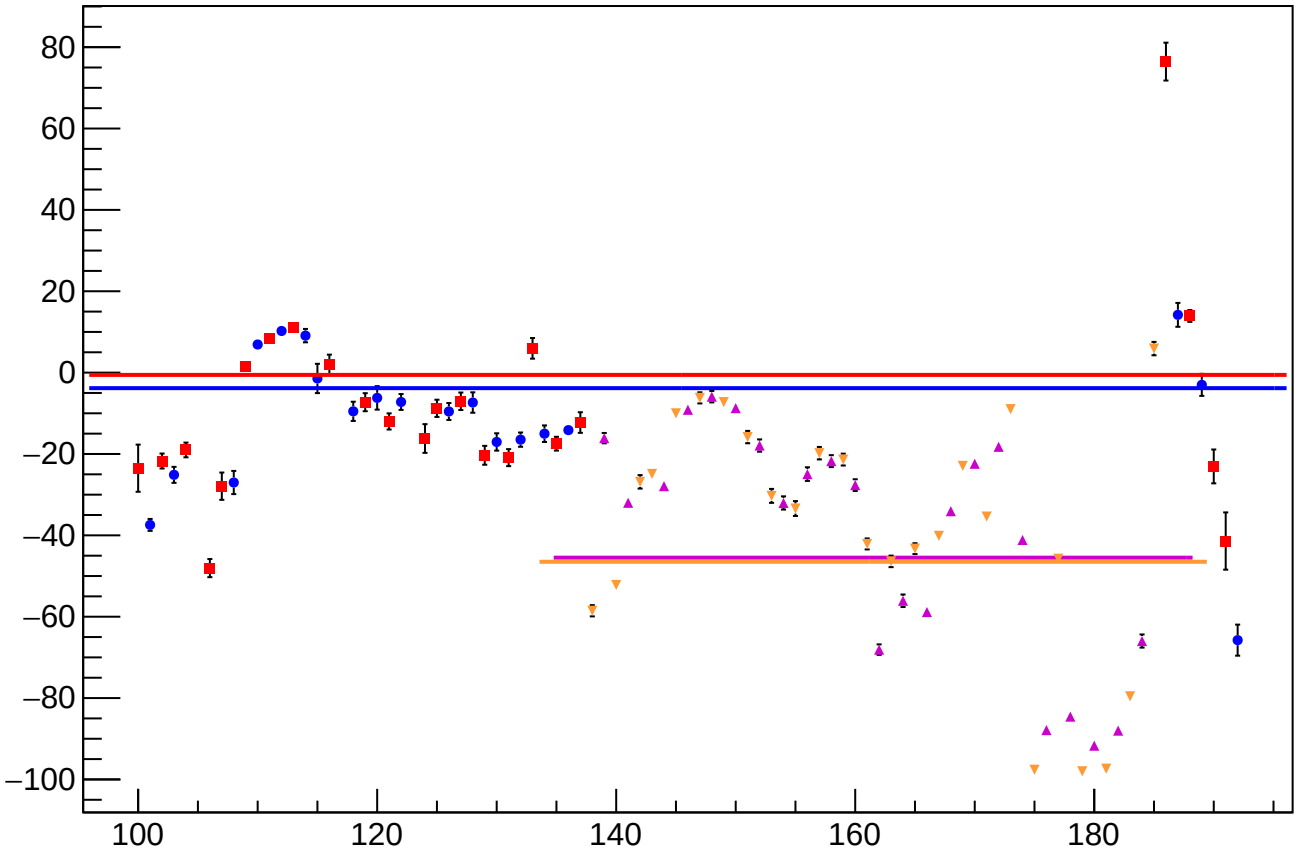
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: 0.036+/-0.029 χ^2/NDF: 607.9/41

In: 0.909+/-0.012 χ^2/NDF:1443.3/41

Out: 0.927+/-0.012 χ^2/NDF:1758.3/47

All: 0.918+/-0.008 χ^2/NDF: 3202.8/89



Right In: -3.819+/-0.368 χ^2/NDF: 1830.7/18

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -0.559+/-0.327 χ^2/NDF: 1969.4/22

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

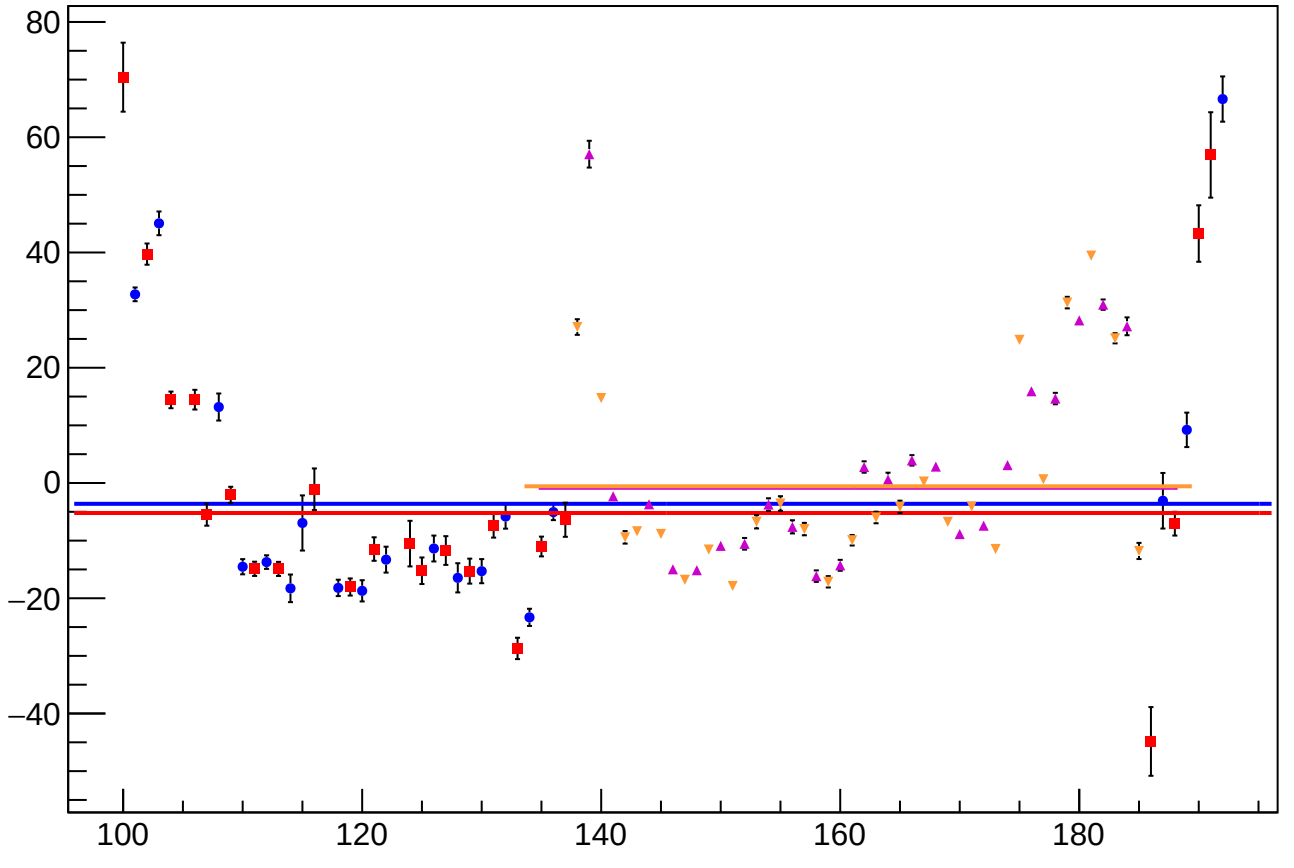
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

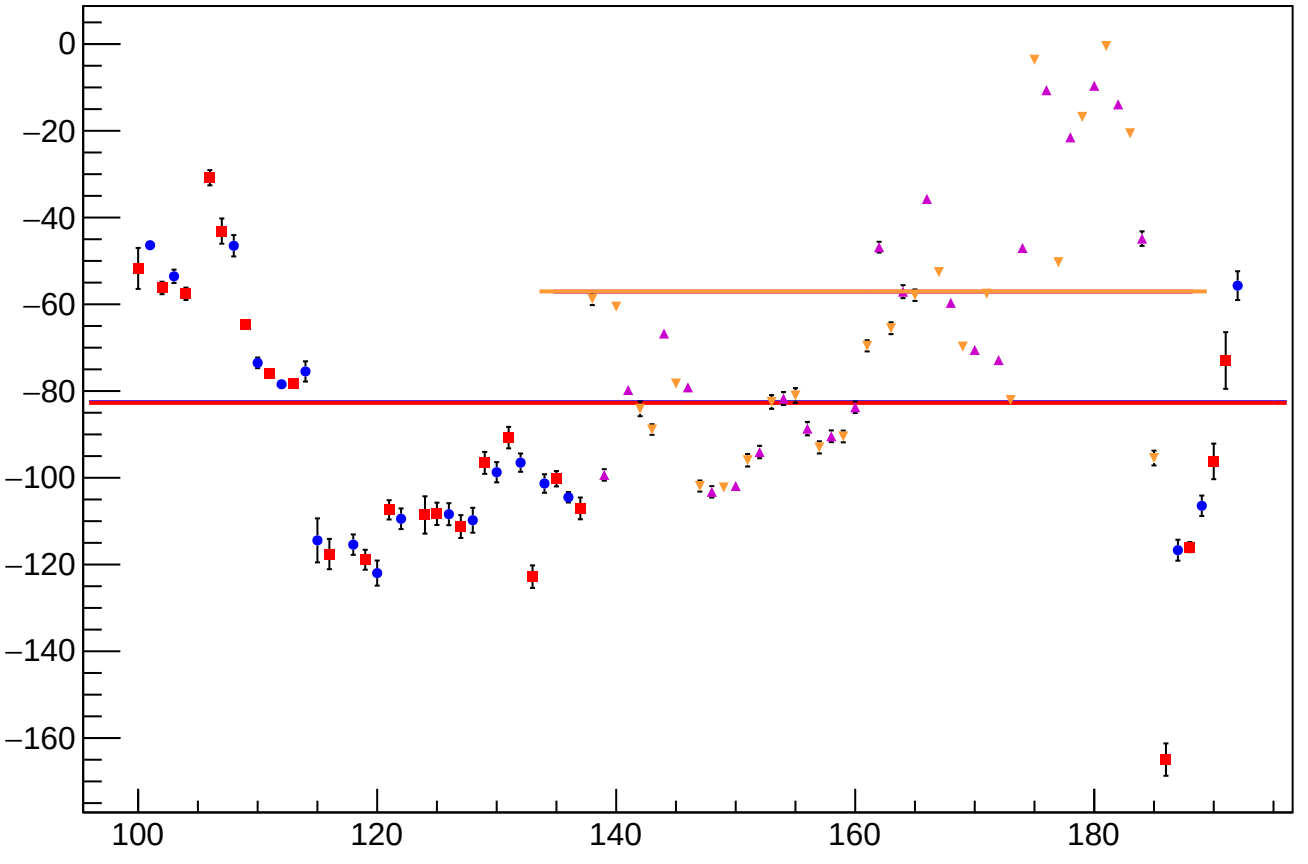
Right: -1.997+/-0.245 χ^2/NDF: 3843.8/41

In: -33.243+/-0.200 χ^2/NDF:26432.2/41

Out: -31.305+/-0.188 χ^2/NDF:35194.0/47

All: -32.217+/-0.137 χ^2/NDF: 61676.0/89


reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
100
120
140
160
180
Right In: -3.612+/-0.422 χ²/NDF: 2493.4/18
Left Out: -0.572+/-0.177 χ²/NDF:8451.5/24
Right Out: -5.206+/-0.410 χ²/NDF: 1722.2/22
Left In: -0.828+/-0.183 χ²/NDF:6116.6/22
Left: -0.696+/-0.127 χ²/NDF: 14569.0/47
Right: -4.432+/-0.294 χ²/NDF: 4222.9/41
In: -1.268+/-0.168 χ²/NDF:8646.5/41
Out: -1.300+/-0.163 χ²/NDF:10281.1/47
All: -1.285+/-0.117 χ²/NDF: 18927.6/89



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: -82.722+/-0.388 χ^2/NDF: 4599.8/22

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

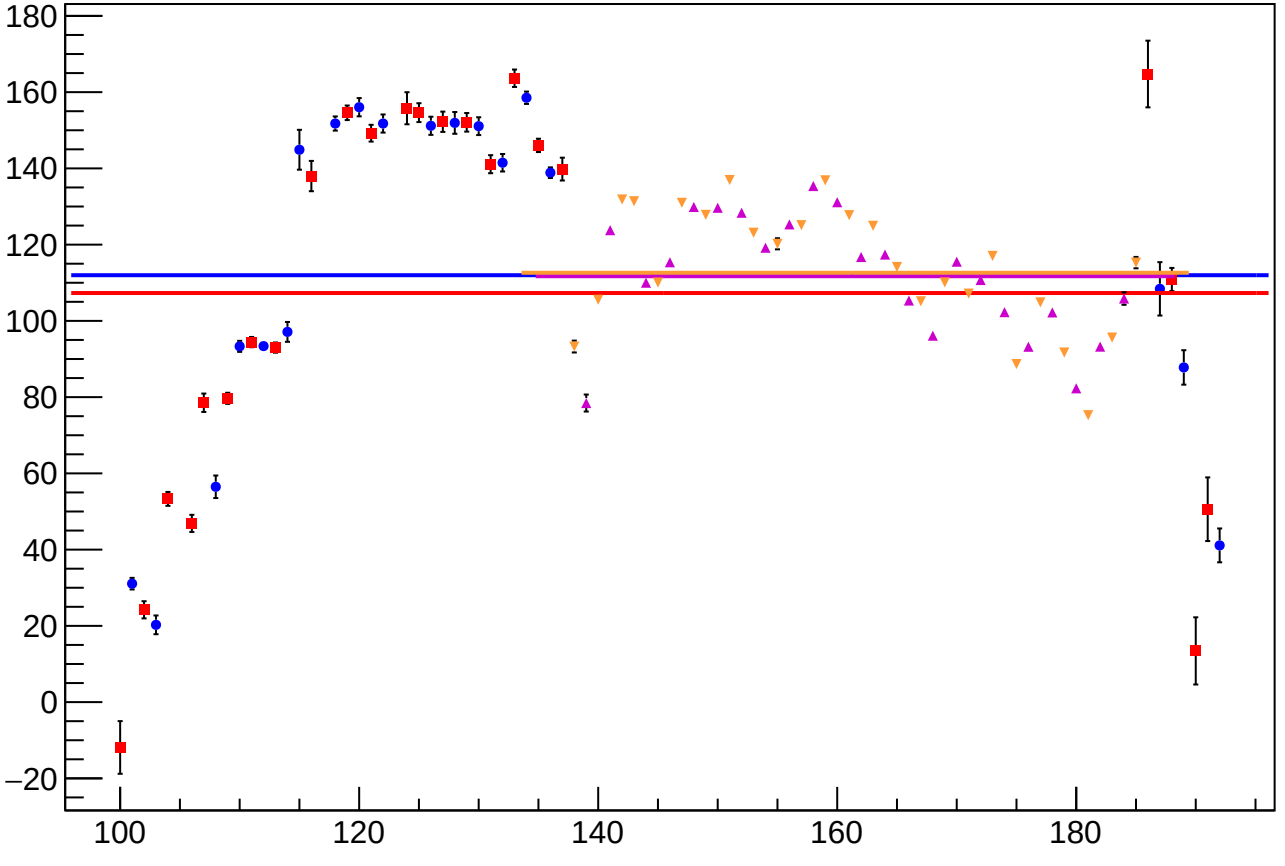
Right: -82.655+/-0.285 χ^2/NDF: 7849.8/41

In: -63.211+/-0.206 χ^2/NDF:23204.2/41

Out: -63.702+/-0.198 χ^2/NDF:28153.6/47

All: -63.467+/-0.143 χ^2/NDF: 51360.8/89

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: 107.311+/-0.471 χ^2/NDF: 7748.3/22

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

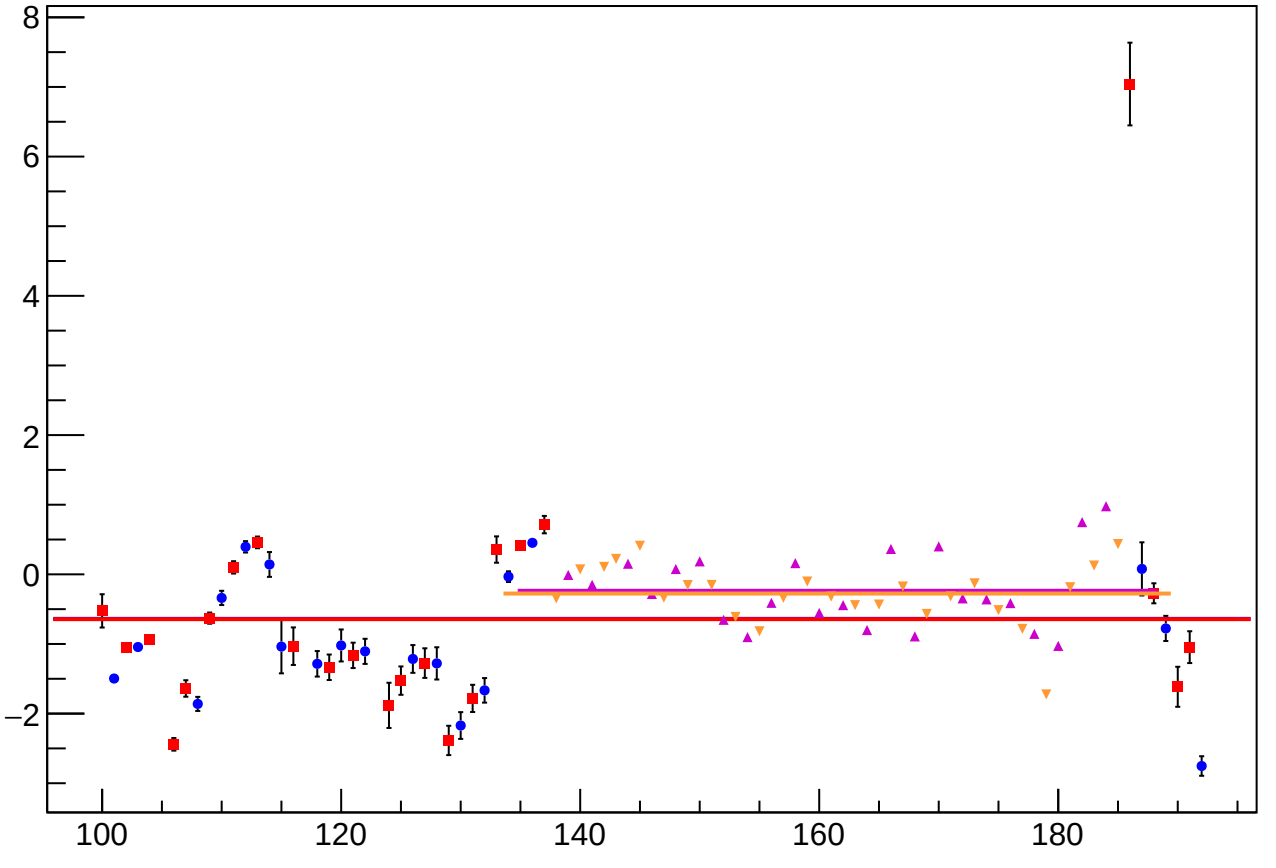
Right: 109.594+/-0.337 χ^2/NDF: 16289.7/41

In: 111.760+/-0.189 χ^2/NDF:13390.5/41

Out: 111.815+/-0.184 χ^2/NDF:14564.0/47

All: 111.788+/-0.132 χ^2/NDF: 27954.5/89

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: -0.644+/-0.025 χ^2/NDF: 1504.0/22

Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

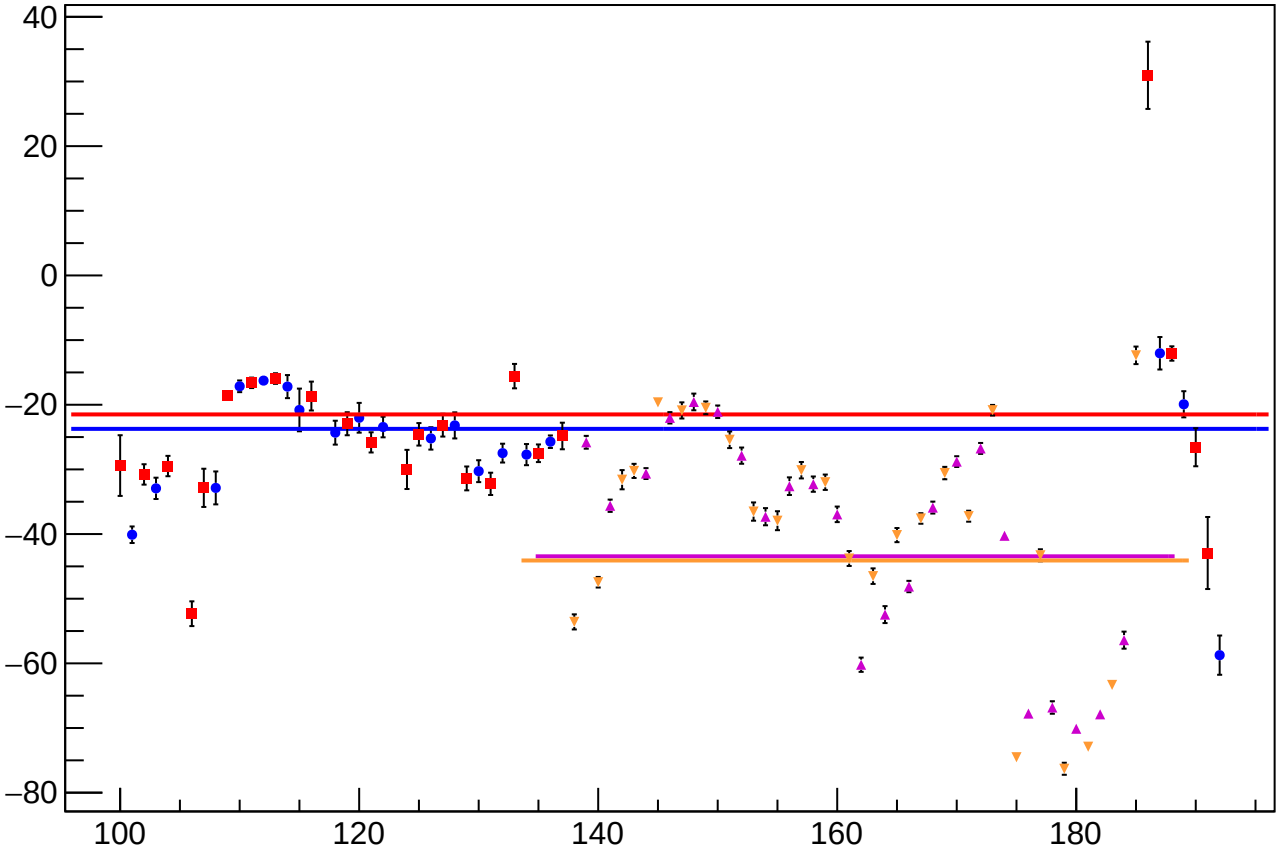
Right: -0.642+/-0.018 χ^2/NDF: 2839.1/41

In: -0.284+/-0.009 χ^2/NDF:4524.6/41

Out: -0.319+/-0.008 χ^2/NDF:3823.9/47

All: -0.302+/-0.006 χ^2/NDF: 8356.9/89

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: -21.496+/-0.306 χ^2/NDF: 750.1/22

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

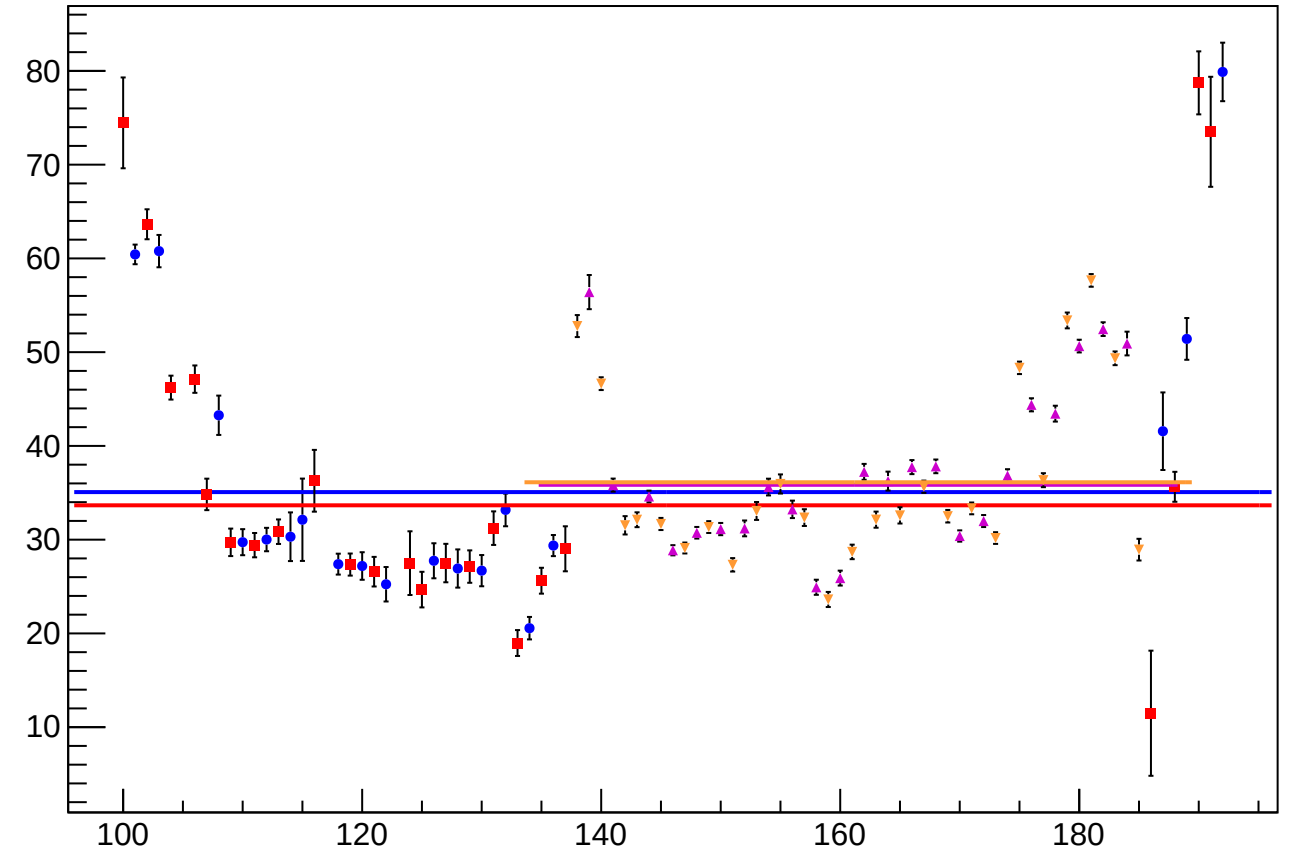
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -22.504+/-0.227 χ^2/NDF: 1338.8/41

In: -38.380+/-0.171 χ^2/NDF:10913.6/41

Out: -37.669+/-0.163 χ^2/NDF:14982.3/47

All: -38.007+/-0.118 χ^2/NDF: 25904.9/89



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: 33.664+/-0.360 χ^2/NDF: 1117.5/22

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

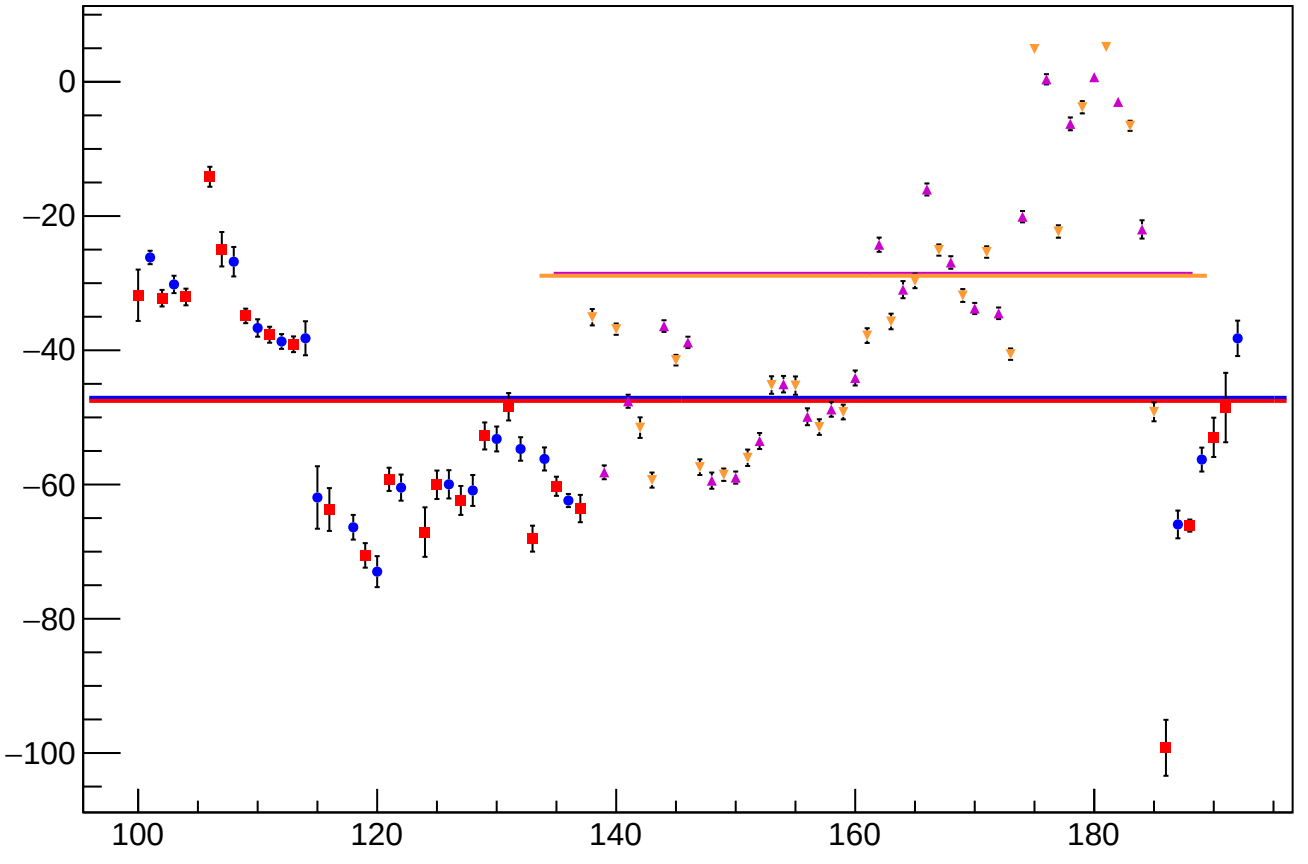
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 34.357+/-0.257 χ^2/NDF: 2581.7/41

In: 35.734+/-0.143 χ^2/NDF:3753.9/41

Out: 35.759+/-0.138 χ^2/NDF:4715.9/47

All: 35.747+/-0.099 χ^2/NDF: 8469.8/89



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: -47.538+/-0.344 χ^2/NDF: 2348.3/22

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

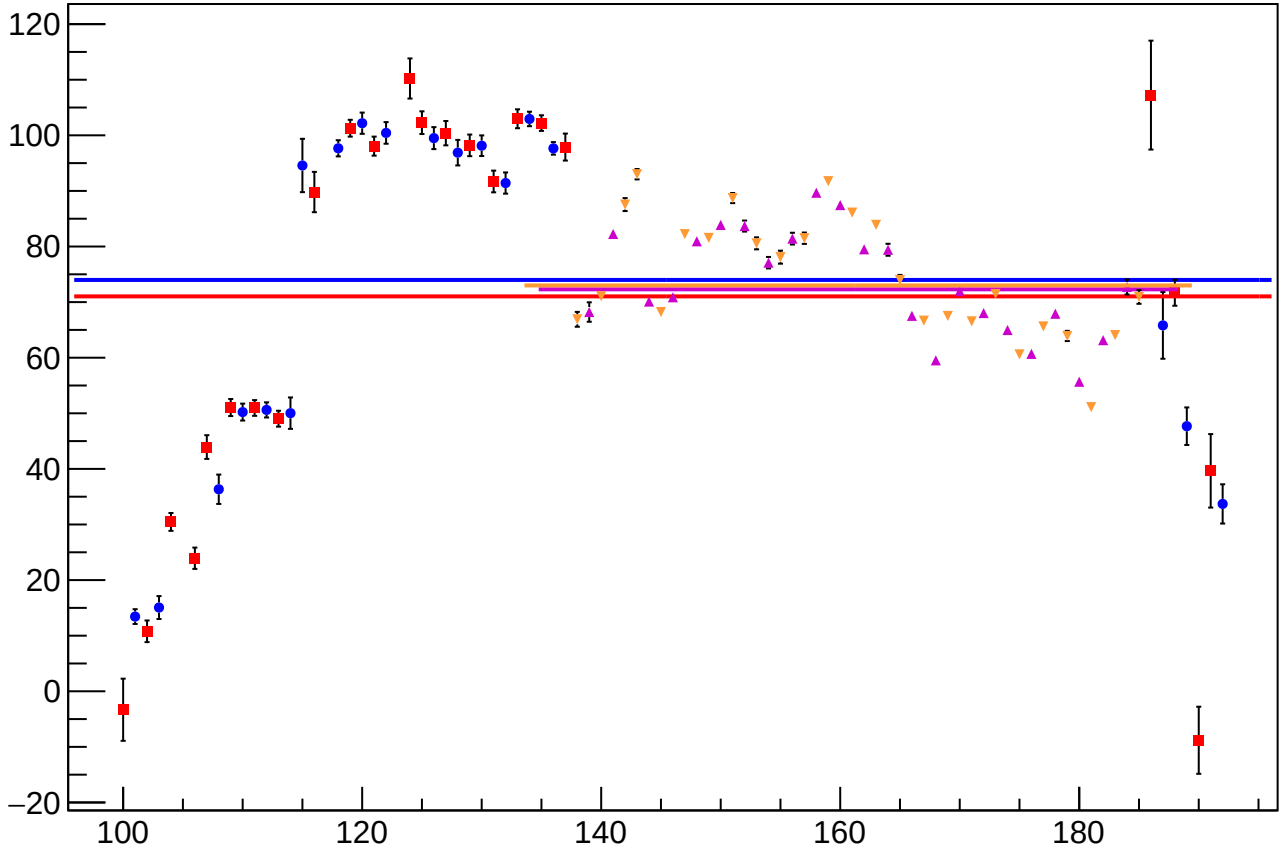
Right: -47.326+/-0.252 χ^2/NDF: 3965.7/41

In: -32.697+/-0.175 χ^2/NDF:13564.0/41

Out: -33.341+/-0.168 χ^2/NDF:16379.9/47

All: -33.030+/-0.121 χ^2/NDF: 29950.9/89

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: 71.031+/-0.417 χ^2/NDF: 5840.6/22

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

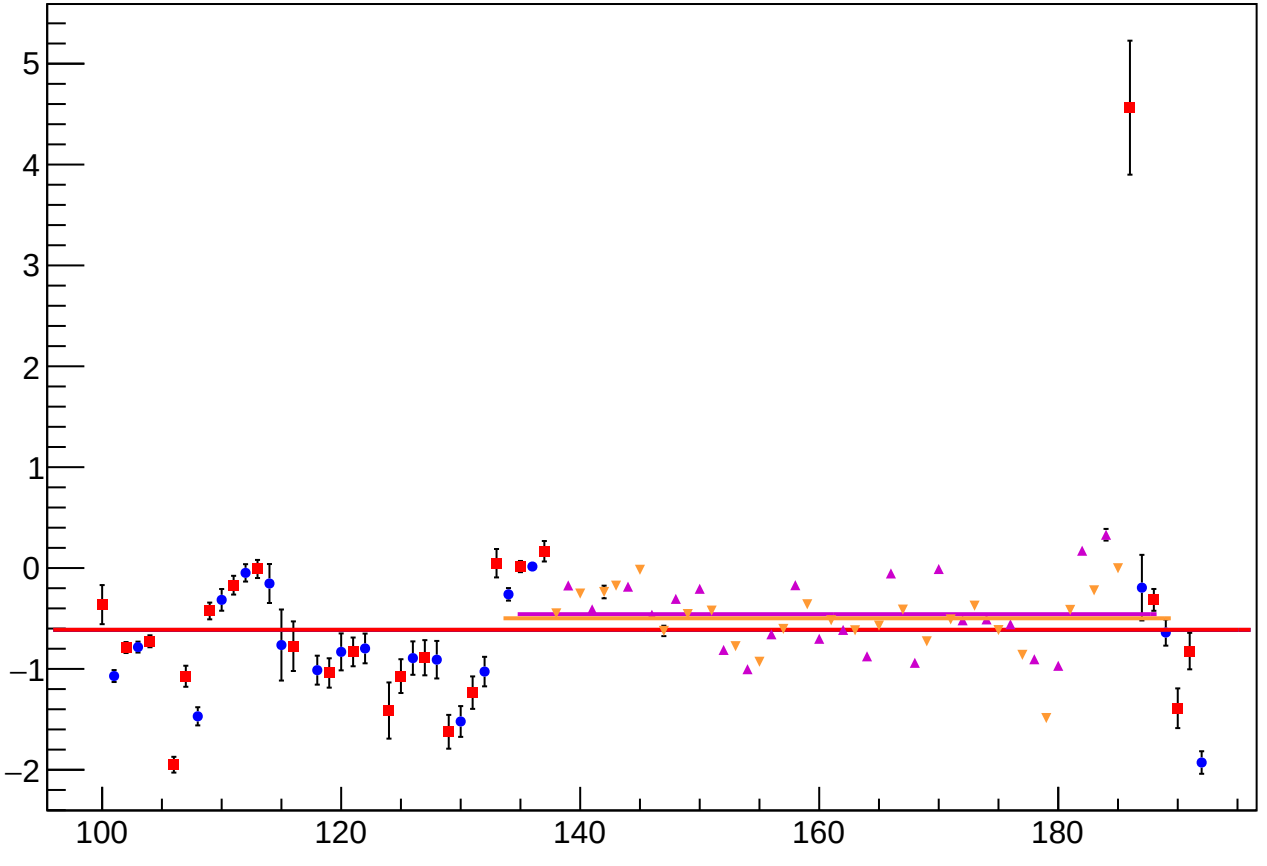
Right: 72.498+/-0.296 χ^2/NDF: 11892.8/41

In: 72.548+/-0.160 χ^2/NDF:8953.5/41

Out: 72.725+/-0.156 χ^2/NDF:9912.3/47

All: 72.639+/-0.112 χ^2/NDF: 18866.4/89

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.612+/-0.021 χ^2/NDF: 775.3/22

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

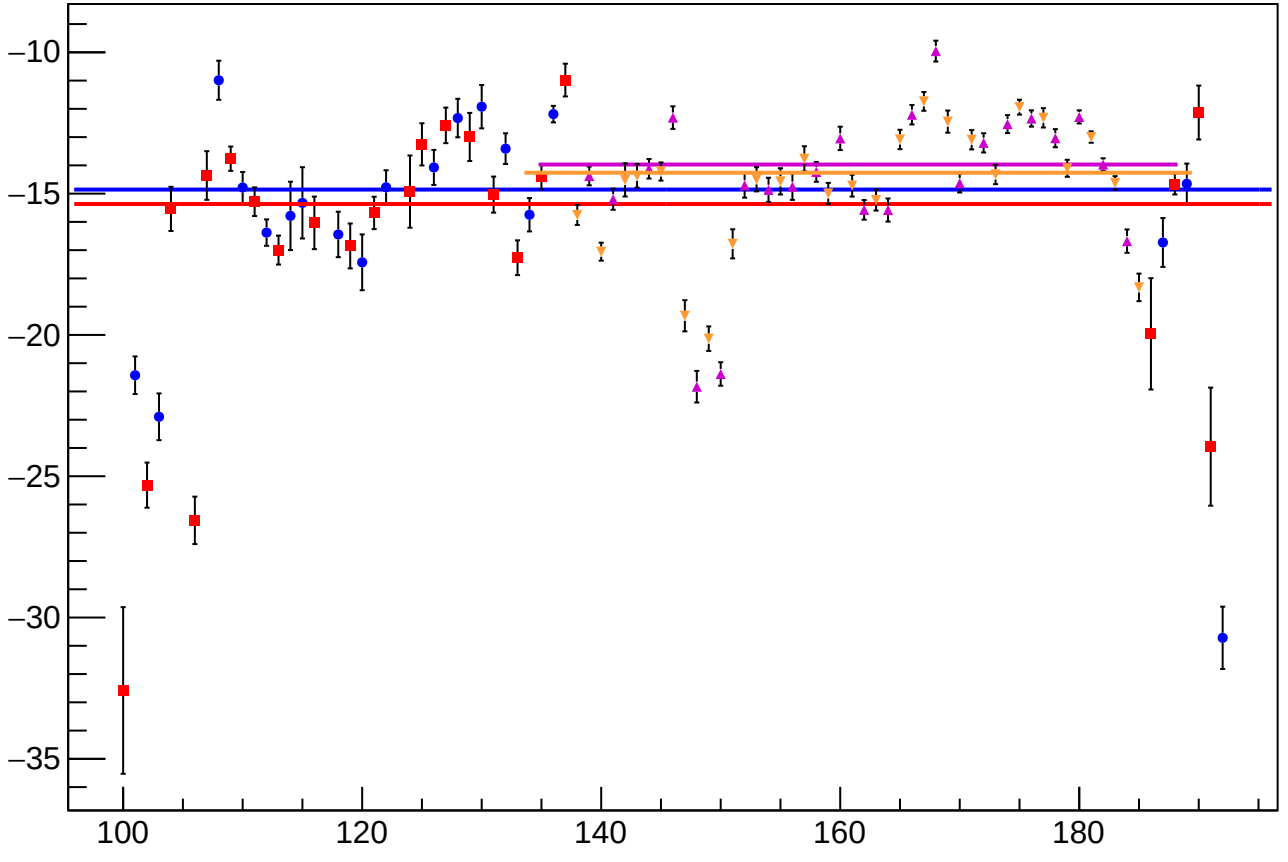
Right: -0.613+/-0.015 χ^2/NDF: 1413.5/41

In: -0.475+/-0.007 χ^2/NDF:2788.3/41

Out: -0.511+/-0.007 χ^2/NDF:2283.3/47

All: -0.493+/-0.005 χ^2/NDF: 5083.8/89

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -15.368+/-0.137 χ^2/NDF: 542.1/22

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

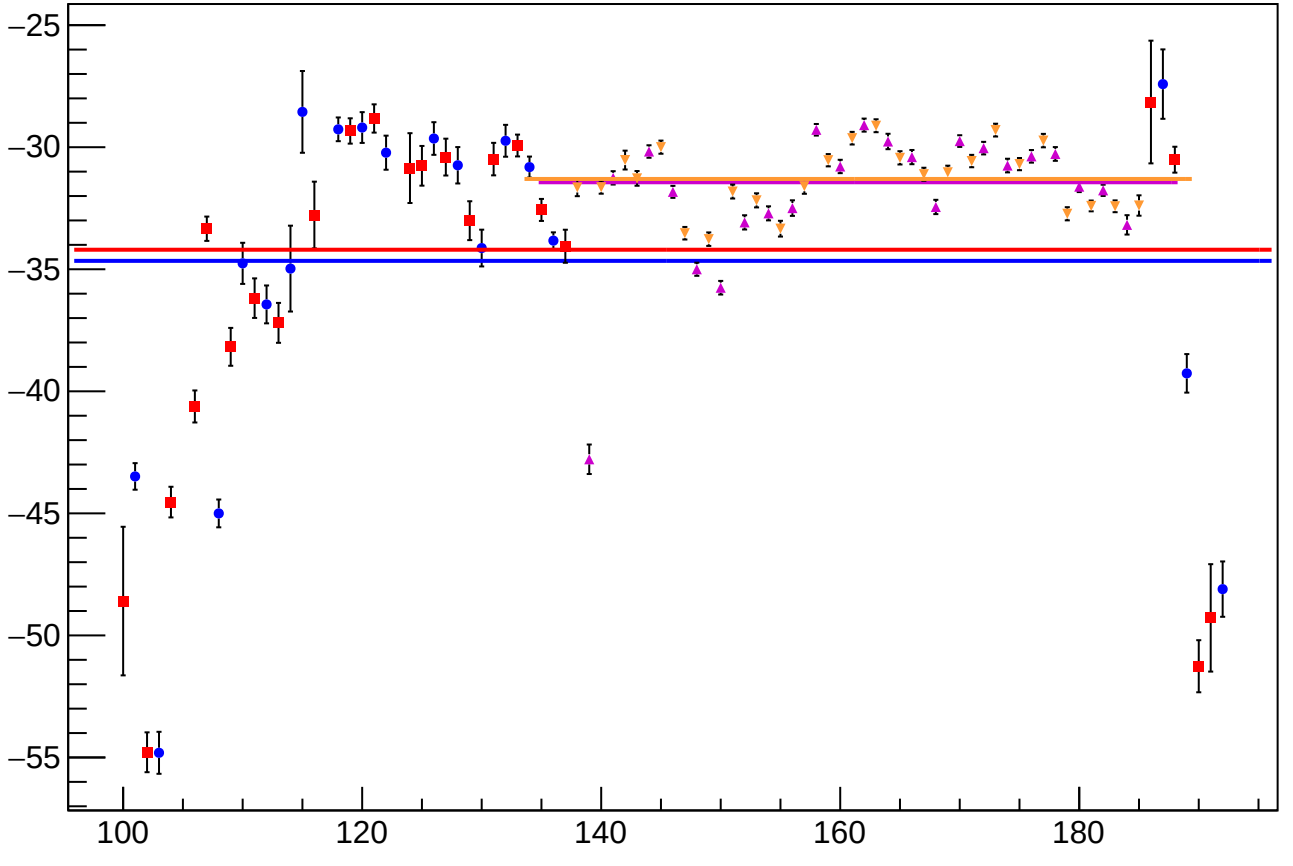
Right: -15.123+/-0.099 χ^2/NDF: 1128.8/41

In: -14.149+/-0.064 χ^2/NDF:1518.5/41

Out: -14.489+/-0.062 χ^2/NDF:1318.1/47

All: -14.325+/-0.045 χ^2/NDF: 2851.0/89

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -34.200+/-0.146 χ^2/NDF: 1792.0/22

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

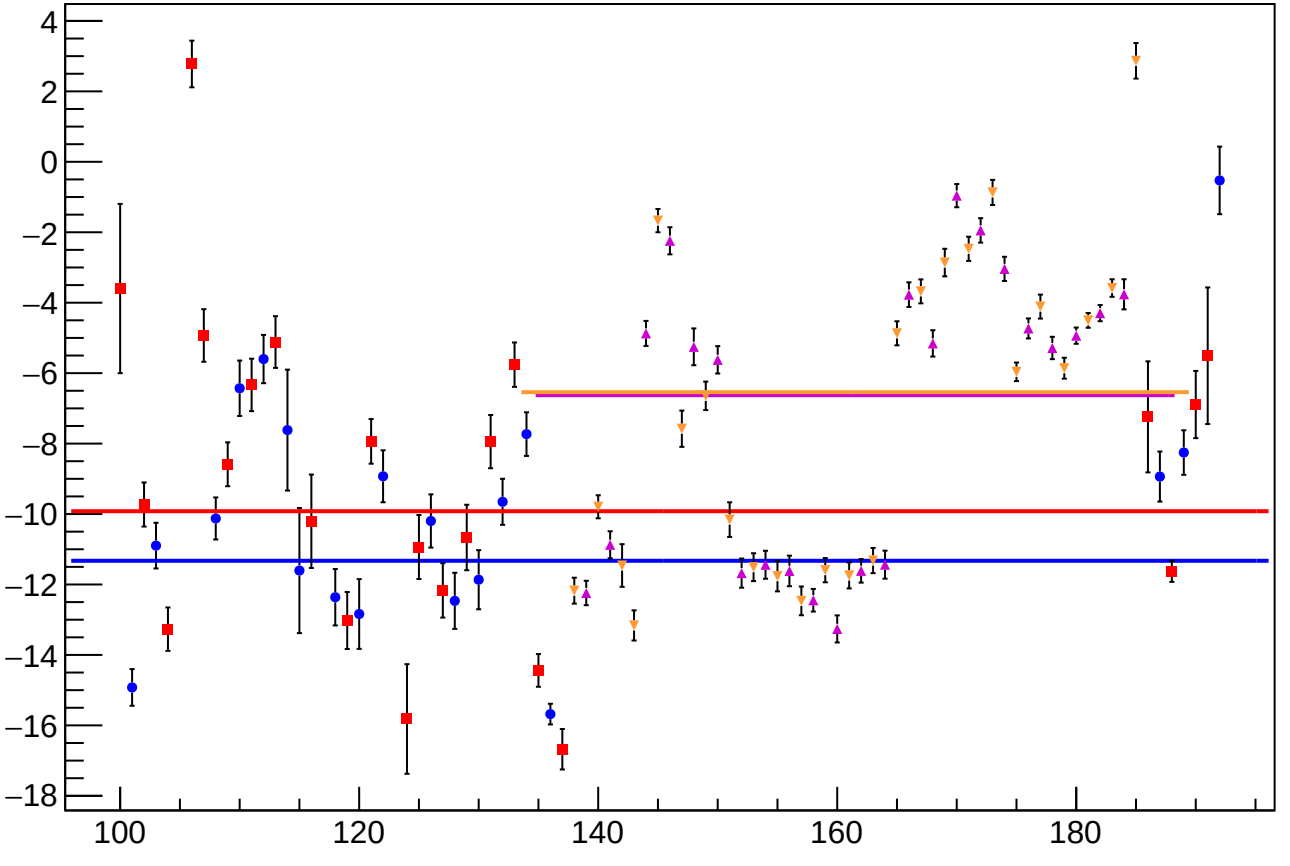
Right: -34.424+/-0.104 χ^2/NDF: 3622.9/41

In: -31.854+/-0.053 χ^2/NDF:3450.8/41

Out: -31.663+/-0.052 χ^2/NDF:2690.0/47

All: -31.755+/-0.037 χ^2/NDF: 6147.4/89

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: -9.920+/-0.142 χ^2/NDF: 903.5/22

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

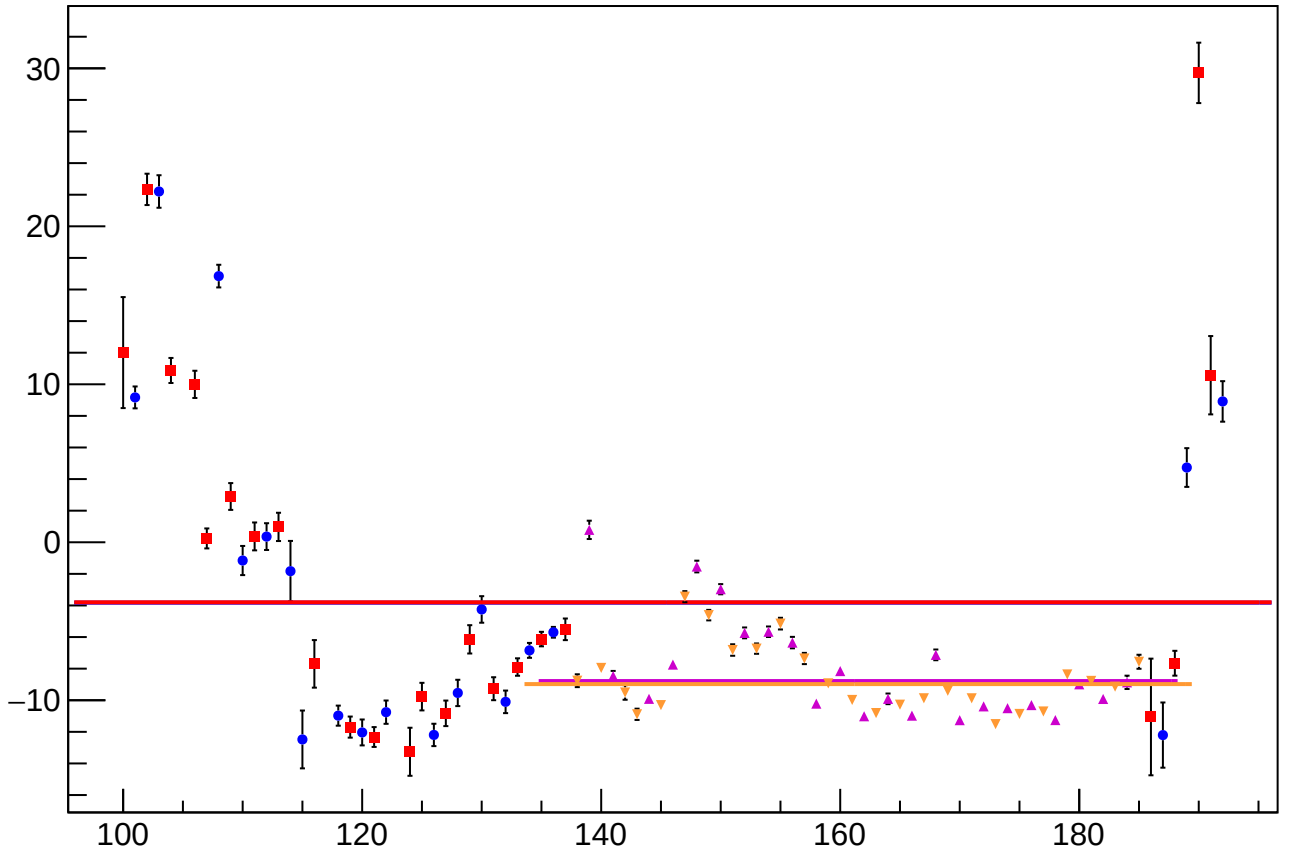
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -10.585+/-0.103 χ^2/NDF: 1556.8/41

In: -7.496+/-0.064 χ^2/NDF:4317.4/41

Out: -7.195+/-0.062 χ^2/NDF:4604.1/47

All: -7.341+/-0.045 χ^2/NDF: 8932.7/89



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: -3.800+/-0.171 χ^2/NDF: 2479.6/22

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

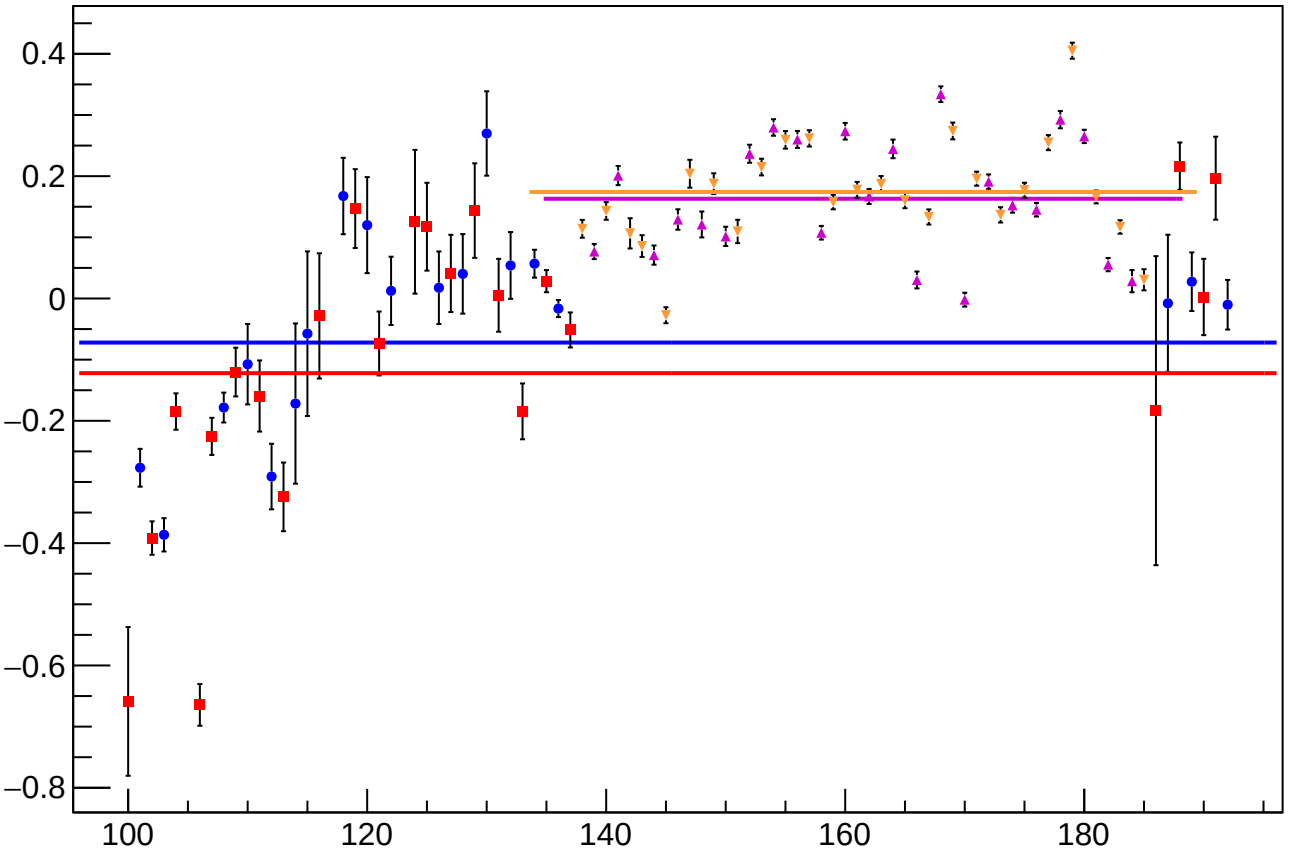
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -3.812+/-0.120 χ^2/NDF: 5172.4/41

In: -8.168+/-0.059 χ^2/NDF:5139.5/41

Out: -8.382+/-0.058 χ^2/NDF:4267.6/47

All: -8.278+/-0.041 χ^2/NDF: 9413.7/89



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: -0.122+/-0.009 χ^2/NDF: 636.3/22

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

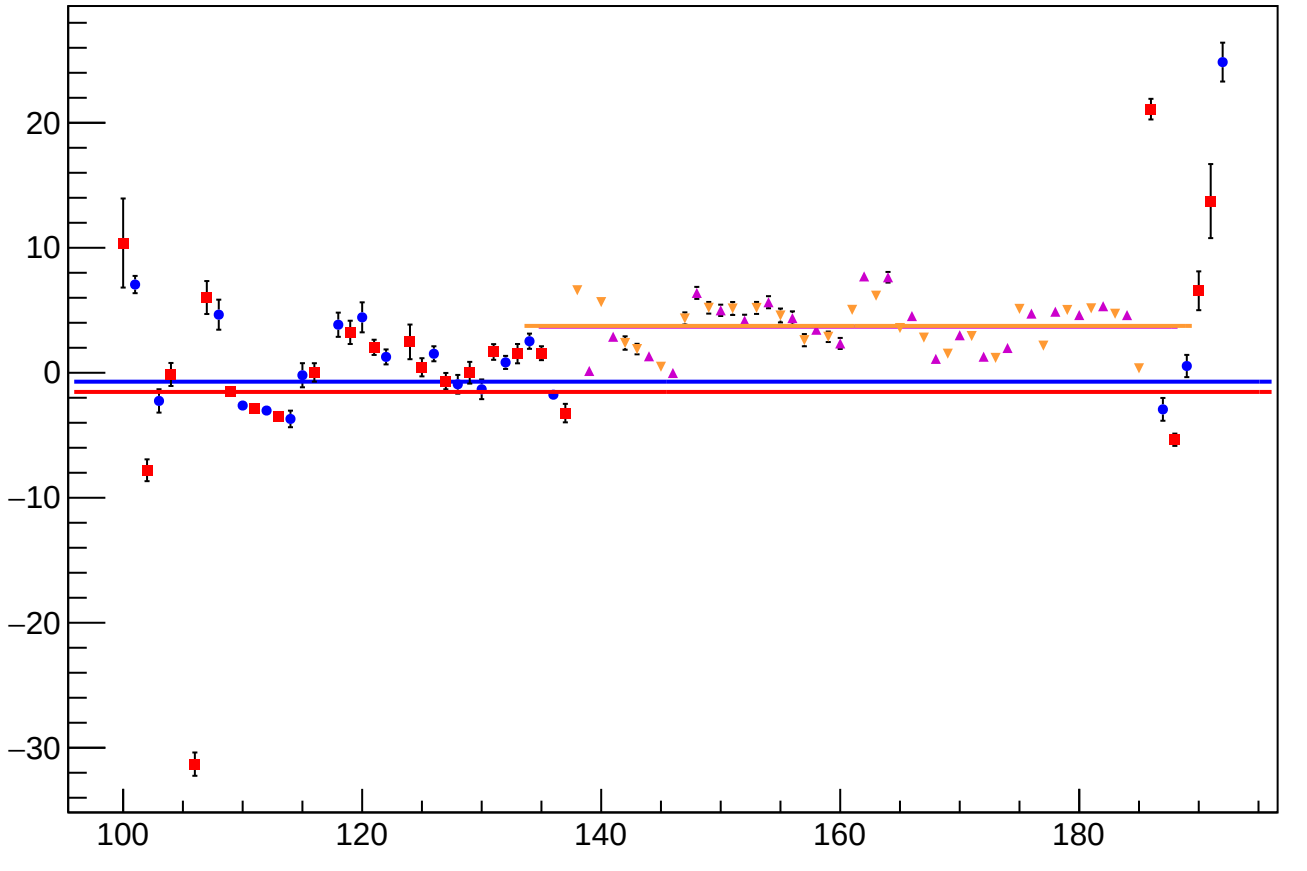
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.096+/-0.006 χ^2/NDF: 980.0/41

In: 0.139+/-0.003 χ^2/NDF:2253.5/41

Out: 0.148+/-0.003 χ^2/NDF:2621.8/47

All: 0.143+/-0.002 χ^2/NDF: 4880.5/89



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: -1.533+/-0.122 χ^2/NDF: 2205.5/22

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

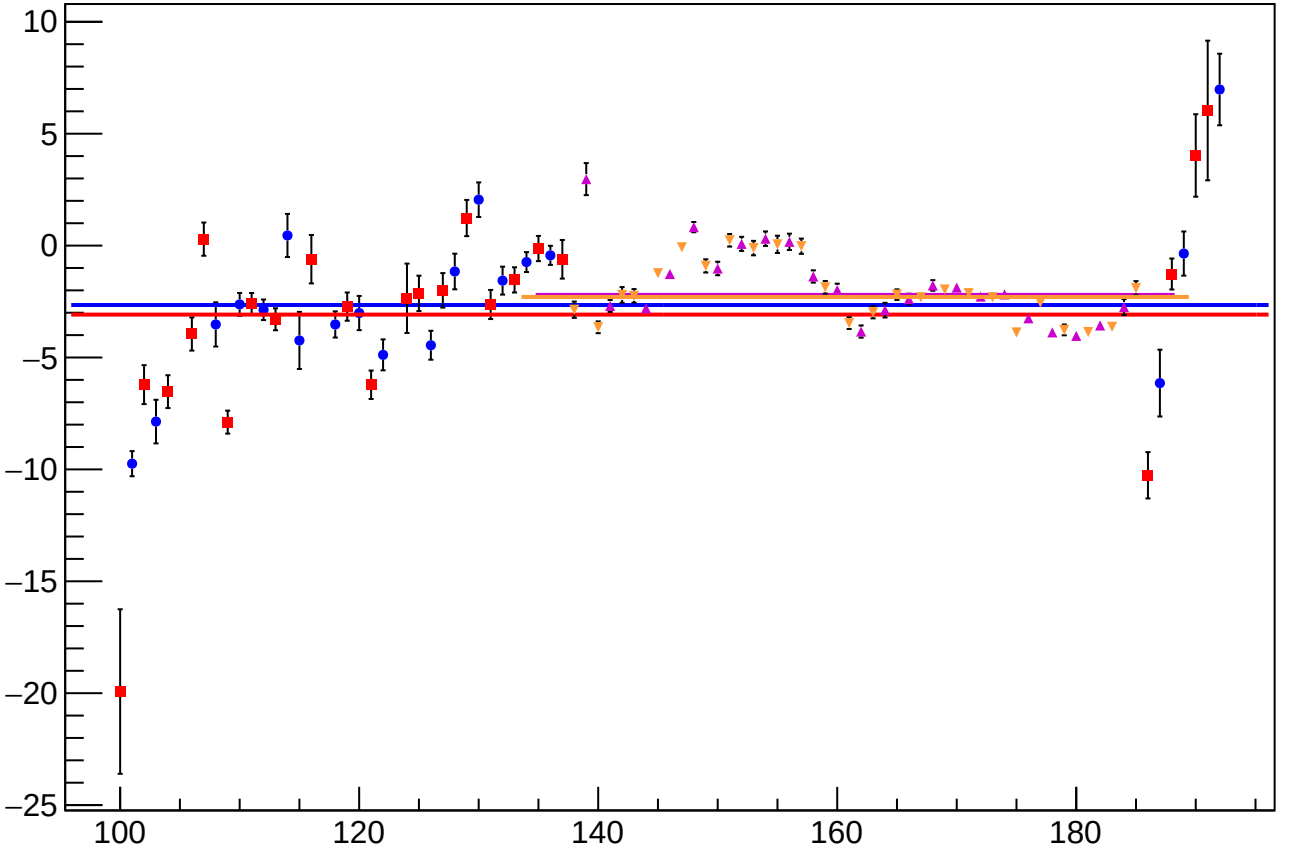
Right: -1.157+/-0.090 χ^2/NDF: 2886.2/41

In: 2.864+/-0.058 χ^2/NDF:2501.9/41

Out: 2.671+/-0.055 χ^2/NDF:4499.7/47

All: 2.763+/-0.040 χ^2/NDF: 7007.4/89

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -3.083+/-0.151 χ^2/NDF: 350.9/22

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

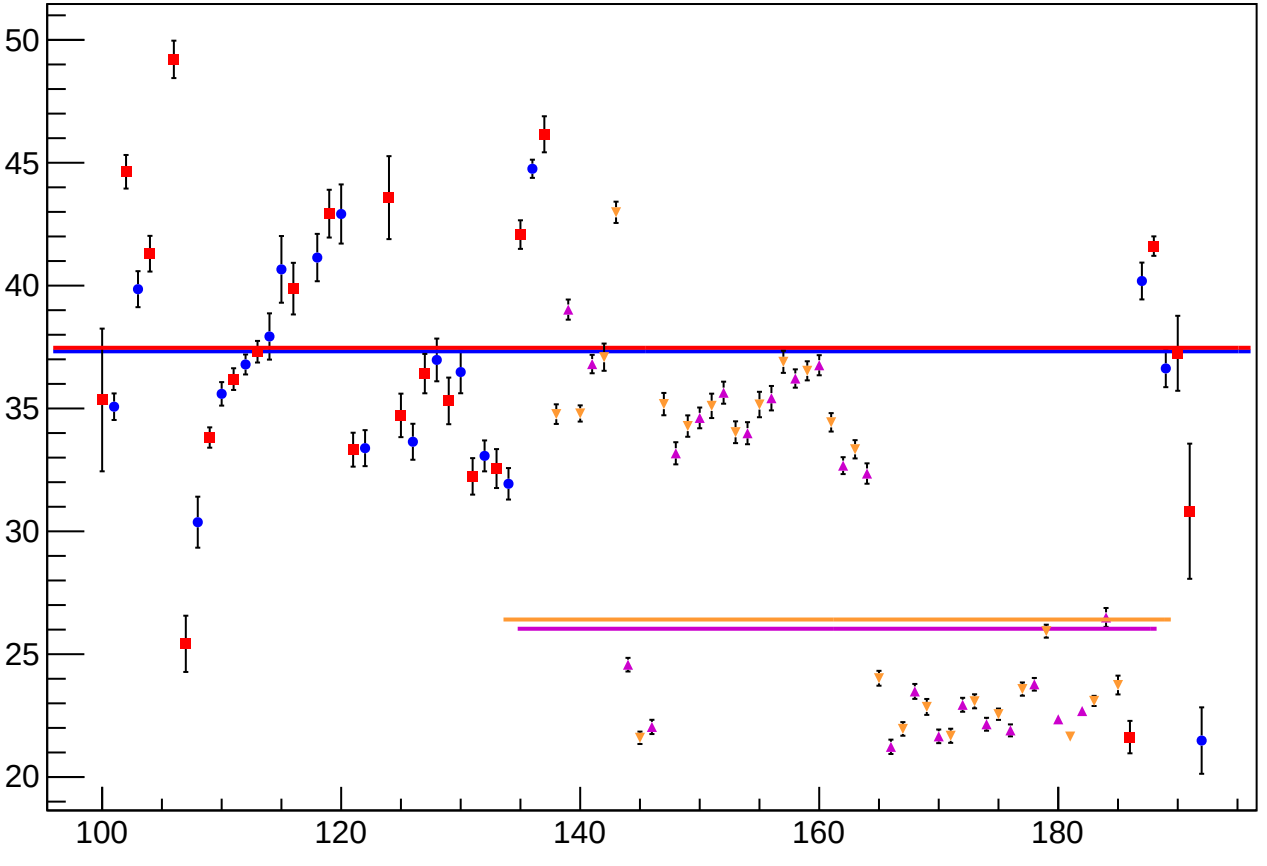
Right: -2.871+/-0.107 χ^2/NDF: 712.6/41

In: -2.249+/-0.048 χ^2/NDF:1090.3/41

Out: -2.371+/-0.047 χ^2/NDF:1006.9/47

All: -2.311+/-0.034 χ^2/NDF: 2100.5/89

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 37.470+/-0.143 χ^2/NDF: 1658.2/22

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

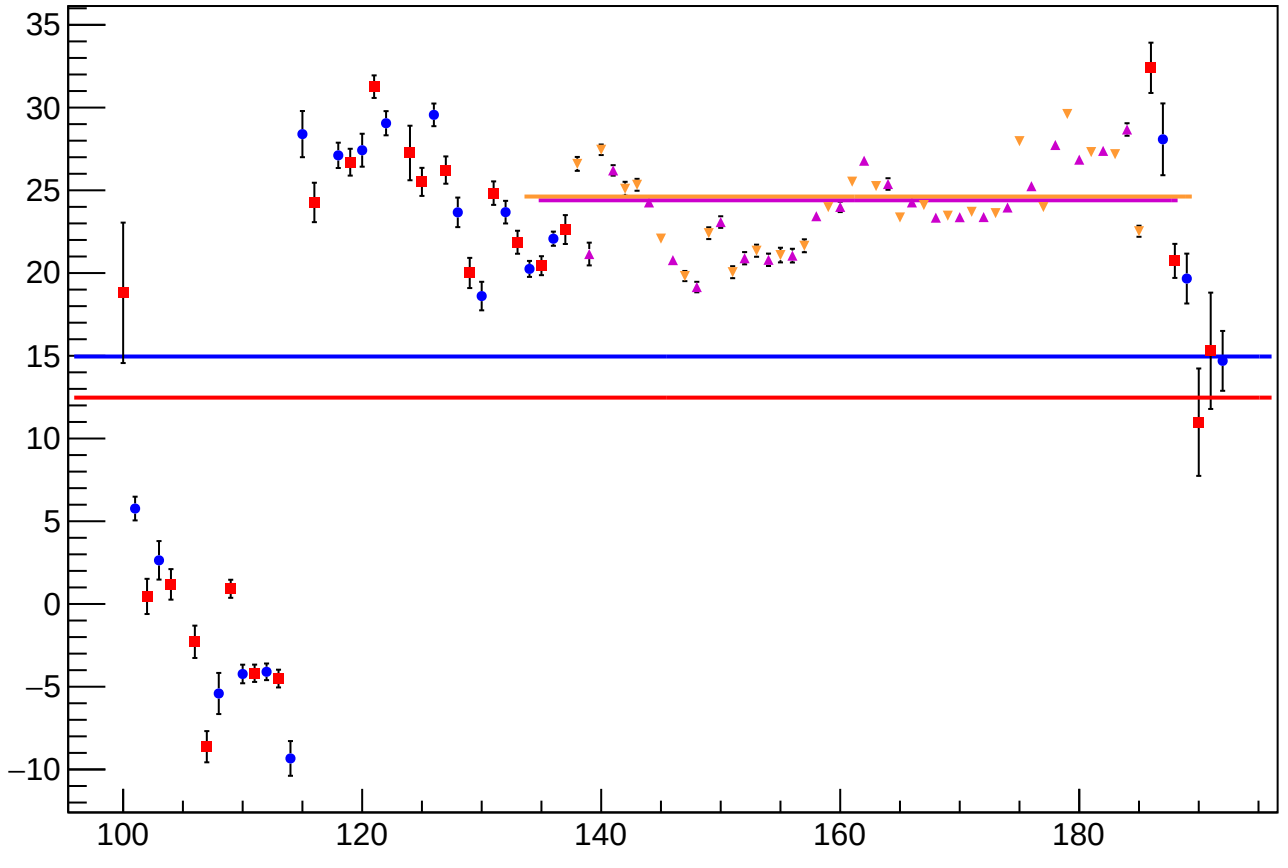
Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

Right: 37.403+/-0.105 χ^2/NDF: 2518.9/41

In: 27.713+/-0.059 χ^2/NDF:13343.6/41

Out: 28.164+/-0.057 χ^2/NDF:15880.5/47

All: 27.946+/-0.041 χ^2/NDF: 29254.3/89



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: 12.472+/-0.173 χ^2/NDF: 6351.3/22

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

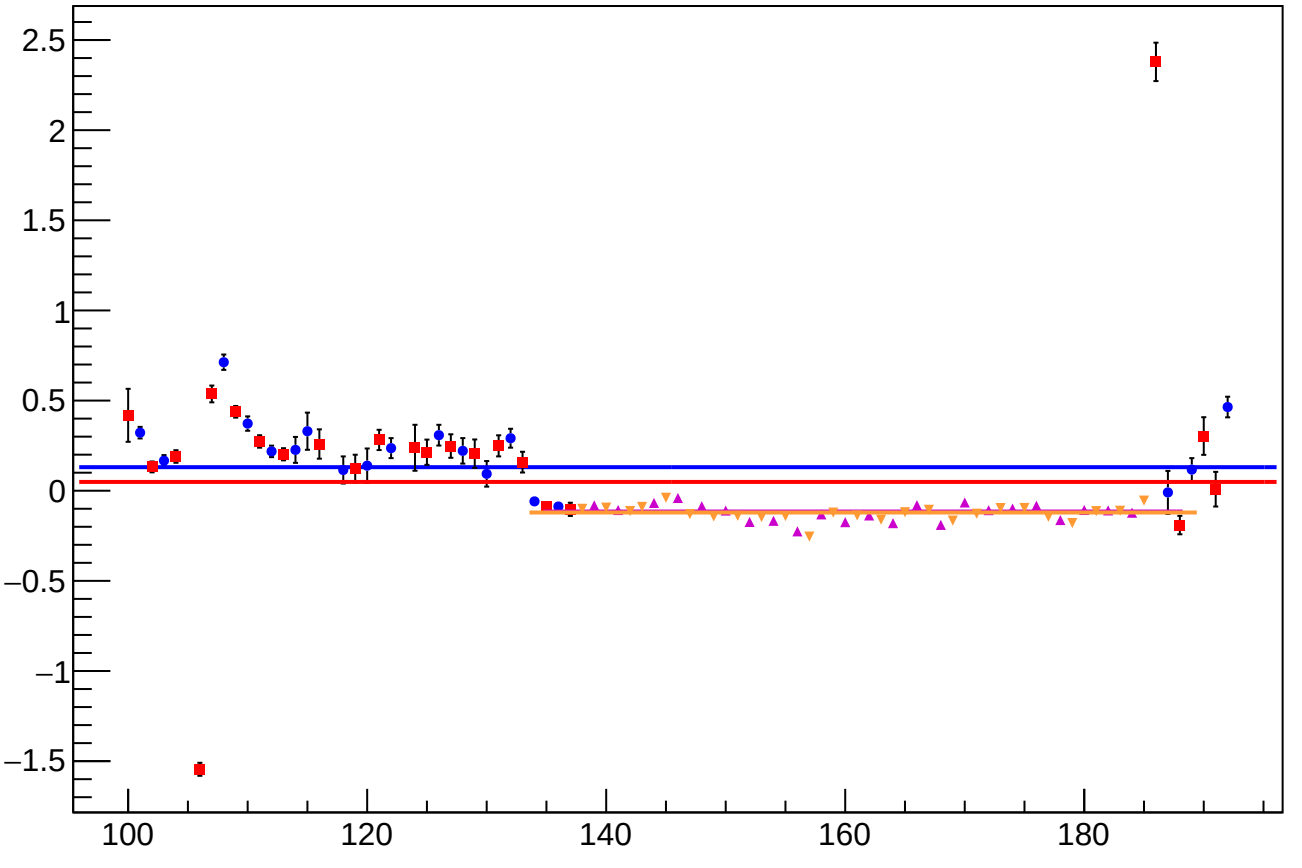
Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

Right: 13.723+/-0.122 χ^2/NDF: 12189.1/41

In: 23.473+/-0.054 χ^2/NDF:10185.6/41

Out: 23.498+/-0.053 χ^2/NDF:12796.1/47

All: 23.486+/-0.038 χ^2/NDF: 22981.8/89



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: 0.049+/-0.009 χ^2/NDF: 2922.8/22

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

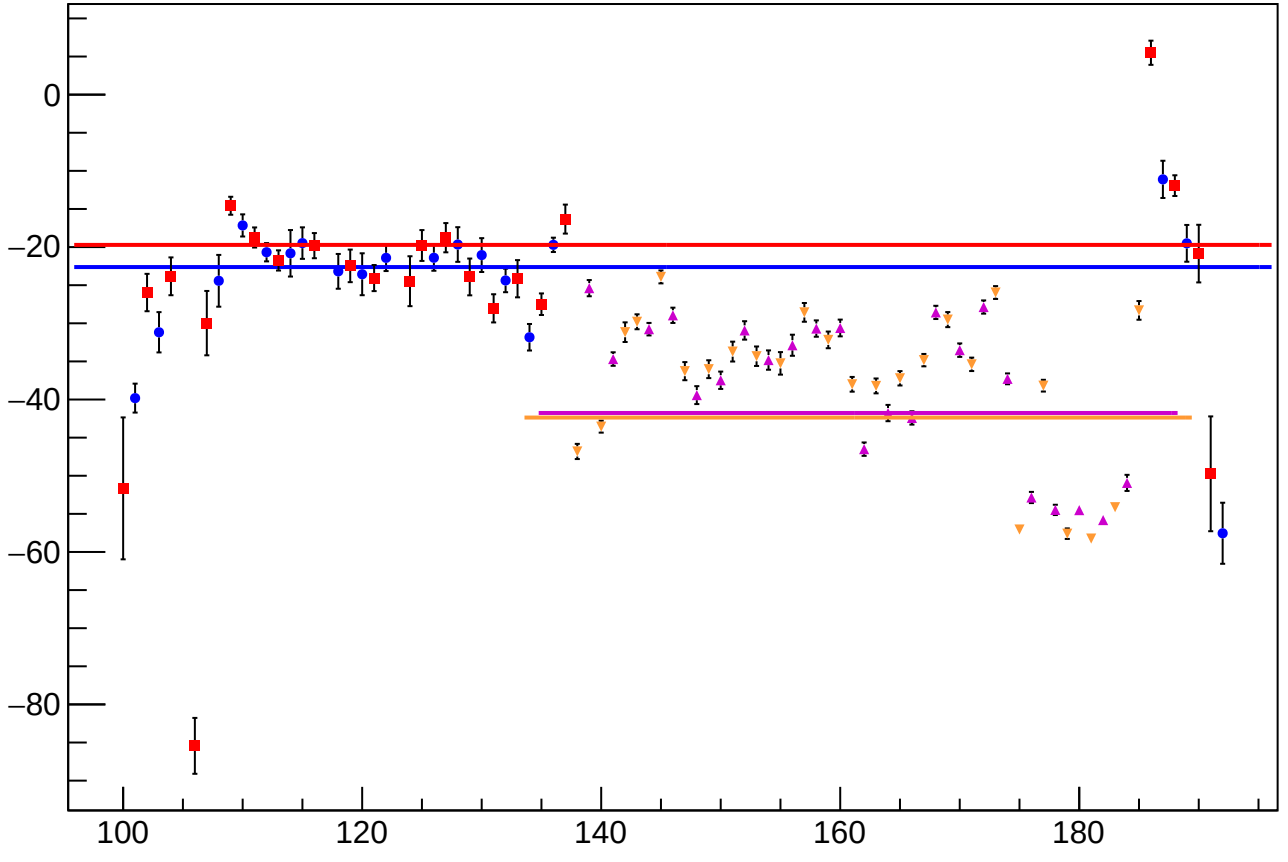
Right: 0.091+/-0.007 χ^2/NDF: 3517.4/41

In: -0.098+/-0.002 χ^2/NDF:1517.0/41

Out: -0.110+/-0.002 χ^2/NDF:3485.7/47

All: -0.104+/-0.002 χ^2/NDF: 5015.2/89

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: -19.714+/-0.398 χ^2/NDF: 742.2/22

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

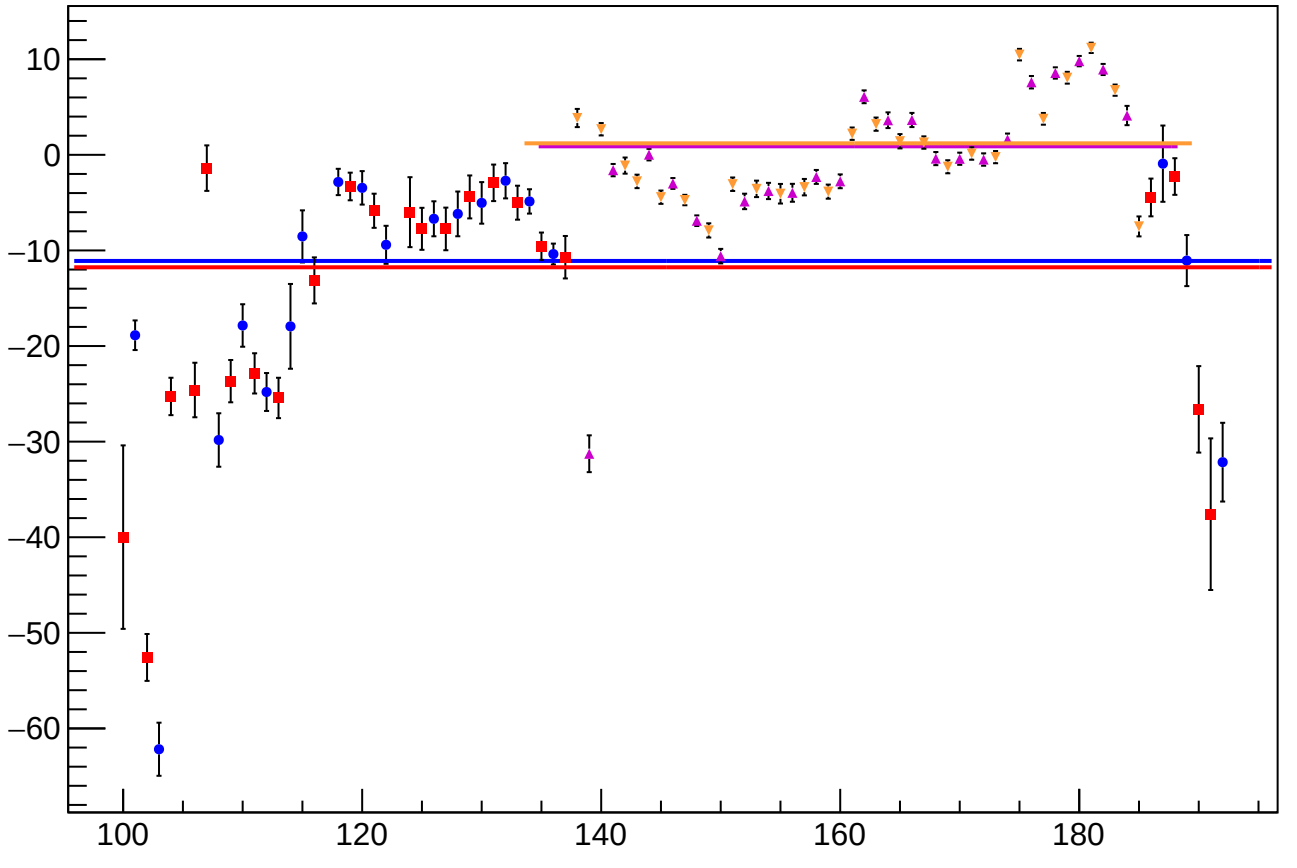
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -21.093+/-0.289 χ^2/NDF: 1021.8/41

In: -38.733+/-0.167 χ^2/NDF:5470.9/41

Out: -38.692+/-0.160 χ^2/NDF:7930.7/47

All: -38.711+/-0.116 χ^2/NDF: 13401.6/89



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: -11.764+/-0.451 χ^2/NDF: 634.5/22

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

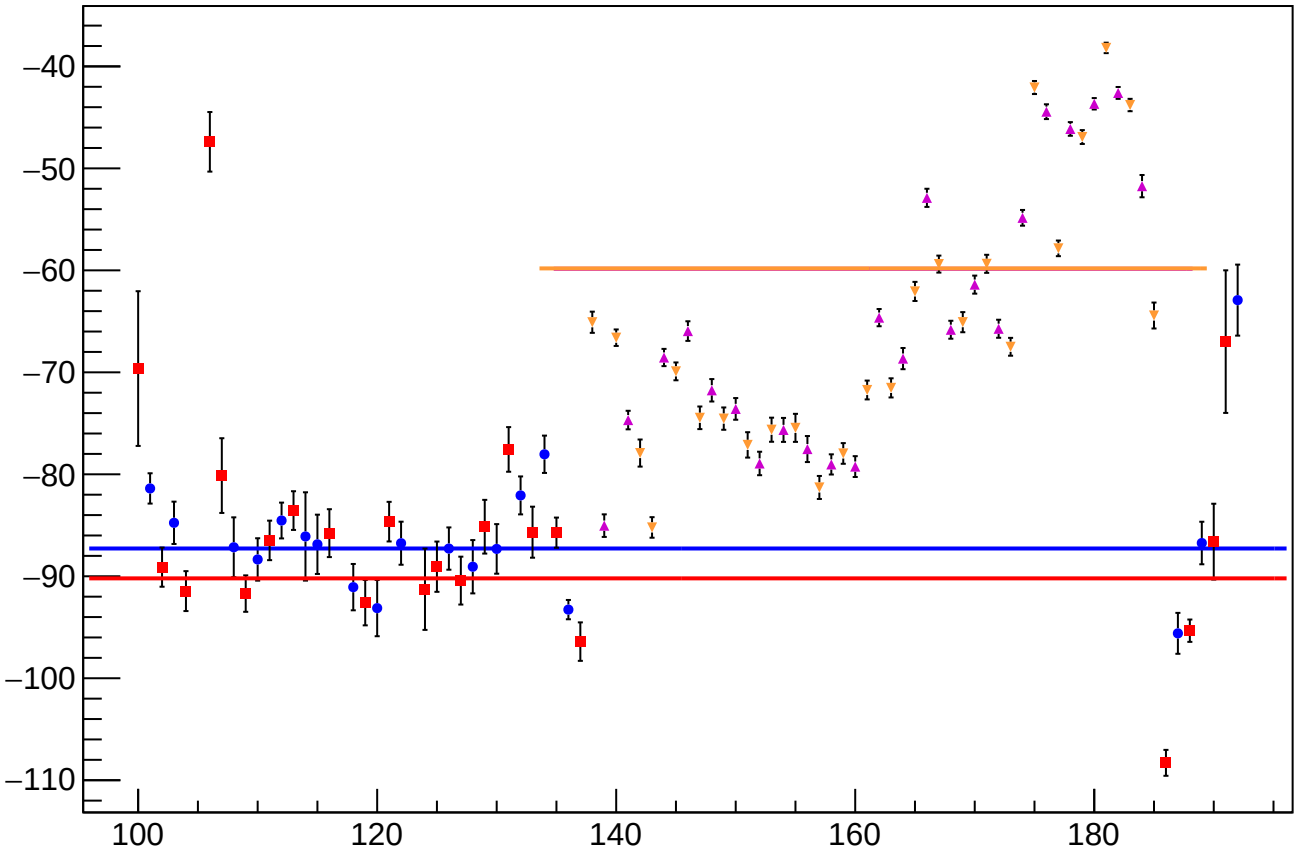
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -11.425+/-0.316 χ^2/NDF: 1255.6/41

In: -0.248+/-0.136 χ^2/NDF:3051.0/41

Out: 0.091+/-0.132 χ^2/NDF:2853.5/47

All: -0.073+/-0.095 χ^2/NDF: 5907.7/89



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: -90.205+/-0.428 χ^2/NDF: 557.1/22

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

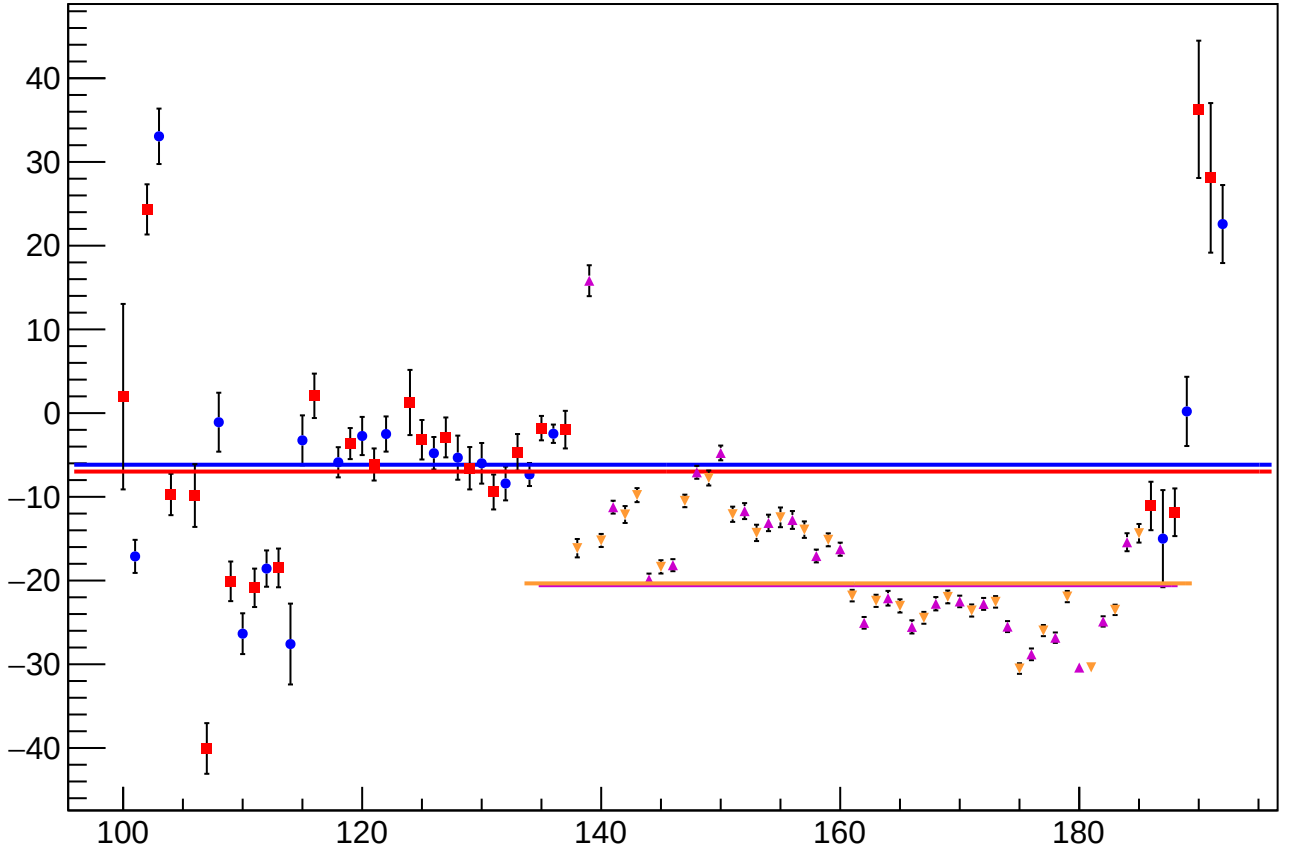
Right: -88.820+/-0.311 χ^2/NDF: 746.6/41

In: -63.636+/-0.168 χ^2/NDF:8872.6/41

Out: -64.171+/-0.162 χ^2/NDF:11516.9/47

All: -63.913+/-0.117 χ^2/NDF: 20394.8/89

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: -6.981+/-0.521 χ^2/NDF: 416.5/22

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

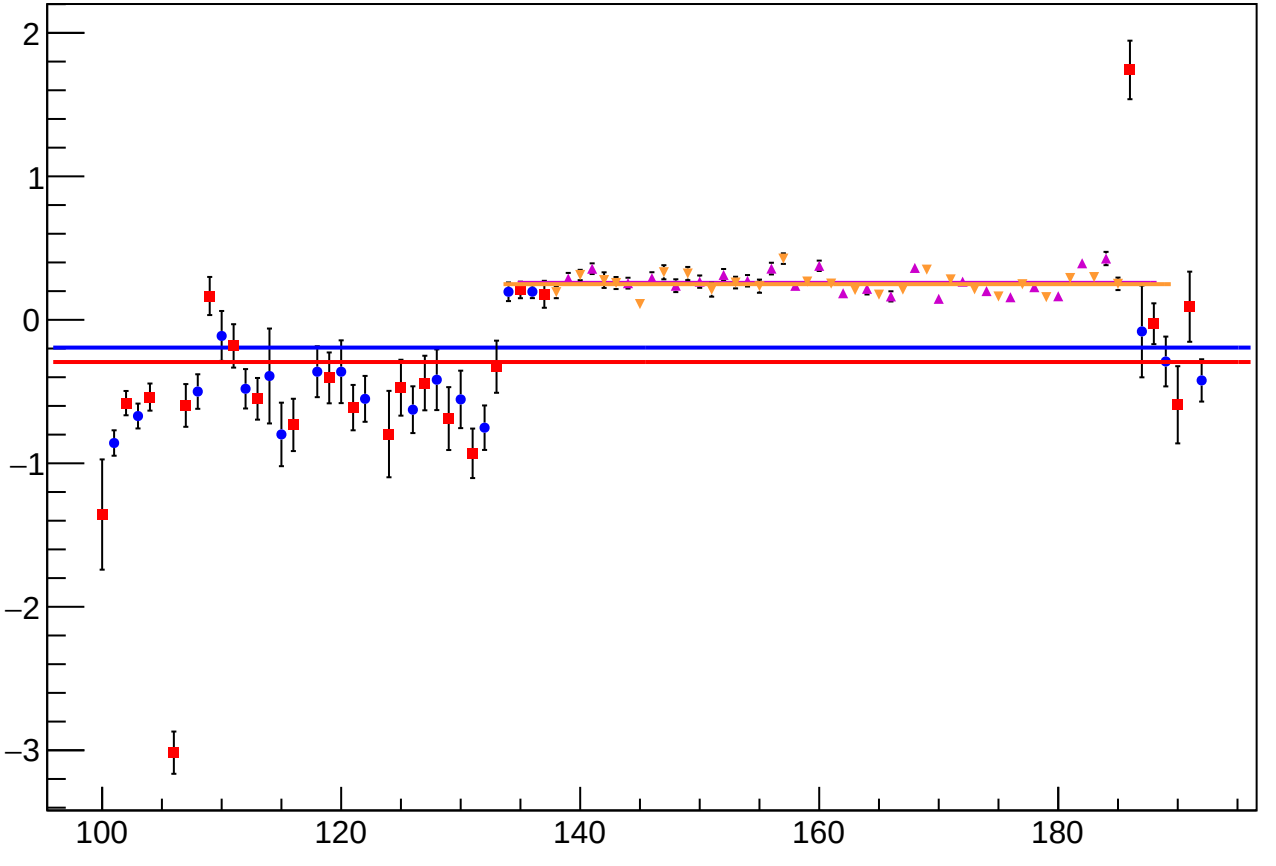
Right: -6.556+/-0.361 χ^2/NDF: 775.0/41

In: -19.221+/-0.152 χ^2/NDF:3304.6/41

Out: -19.259+/-0.148 χ^2/NDF:2720.9/47

All: -19.241+/-0.106 χ^2/NDF: 6025.5/89

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: -0.294+/-0.028 χ^2/NDF: 626.9/22

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

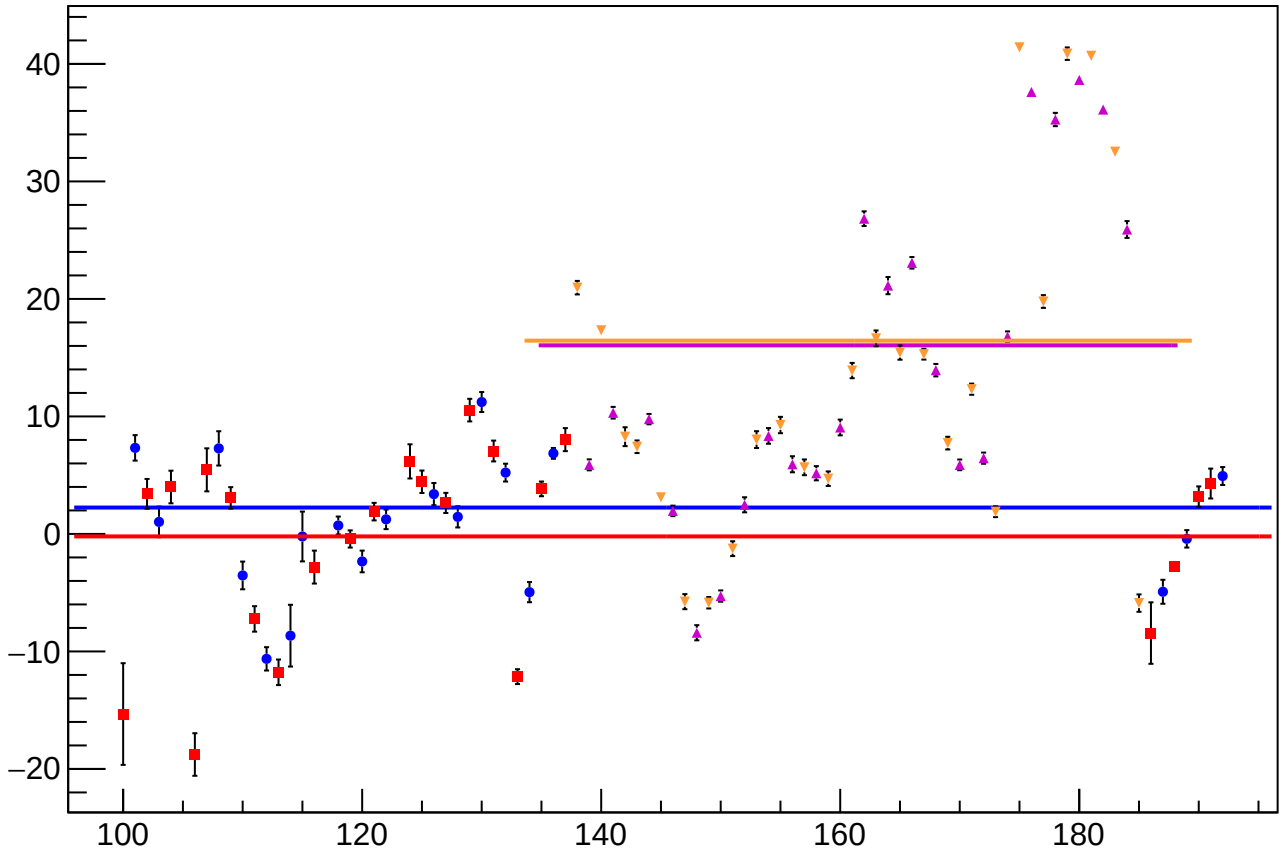
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

Right: -0.240+/-0.019 χ^2/NDF: 884.1/41

In: 0.226+/-0.007 χ^2/NDF:665.5/41

Out: 0.217+/-0.007 χ^2/NDF:1071.7/47

All: 0.222+/-0.005 χ^2/NDF: 1738.0/89



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: -0.210+/-0.184 χ^2/NDF: 1120.9/22

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

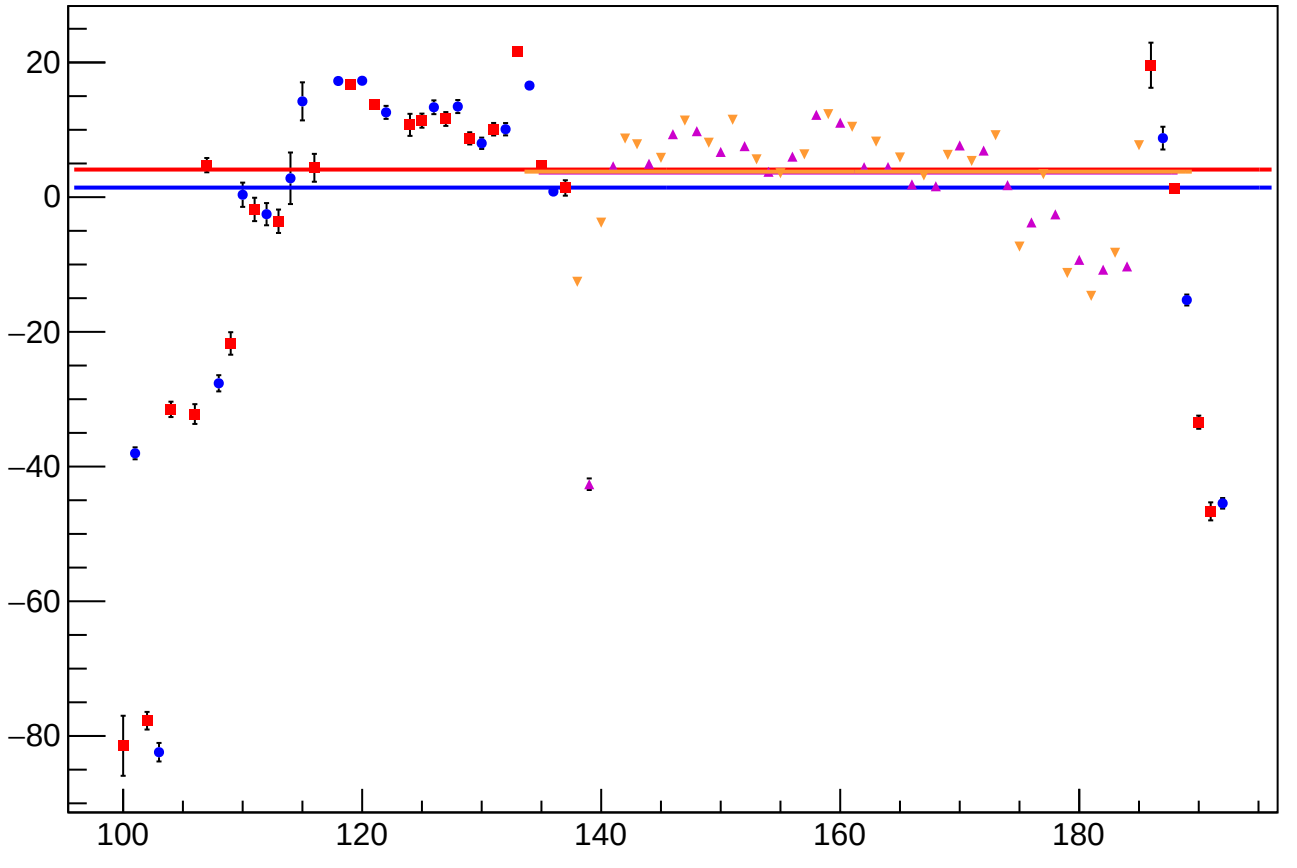
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 0.903+/-0.136 χ^2/NDF: 1851.5/41

In: 13.026+/-0.095 χ^2/NDF:21907.0/41

Out: 12.428+/-0.091 χ^2/NDF:28712.7/47

All: 12.714+/-0.065 χ^2/NDF: 50640.4/89



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: 4.098+/-0.189 χ^2/NDF: 11602.4/22

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

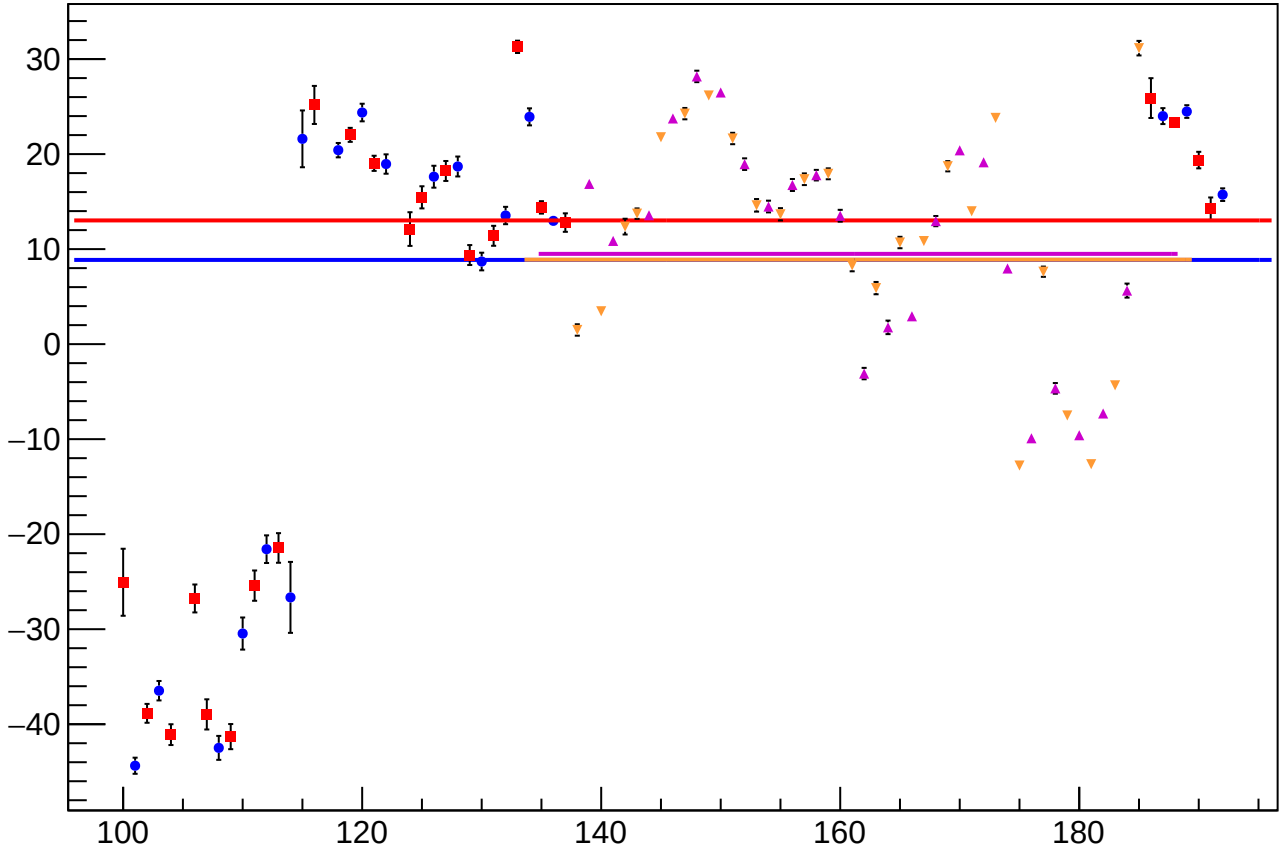
Right: 2.802+/-0.136 χ^2/NDF: 25070.1/41

In: 3.308+/-0.076 χ^2/NDF:21791.6/41

Out: 3.837+/-0.074 χ^2/NDF:20705.3/47

All: 3.582+/-0.053 χ^2/NDF: 42521.8/89

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 13.019+/-0.181 χ^2/NDF: 12176.4/22

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

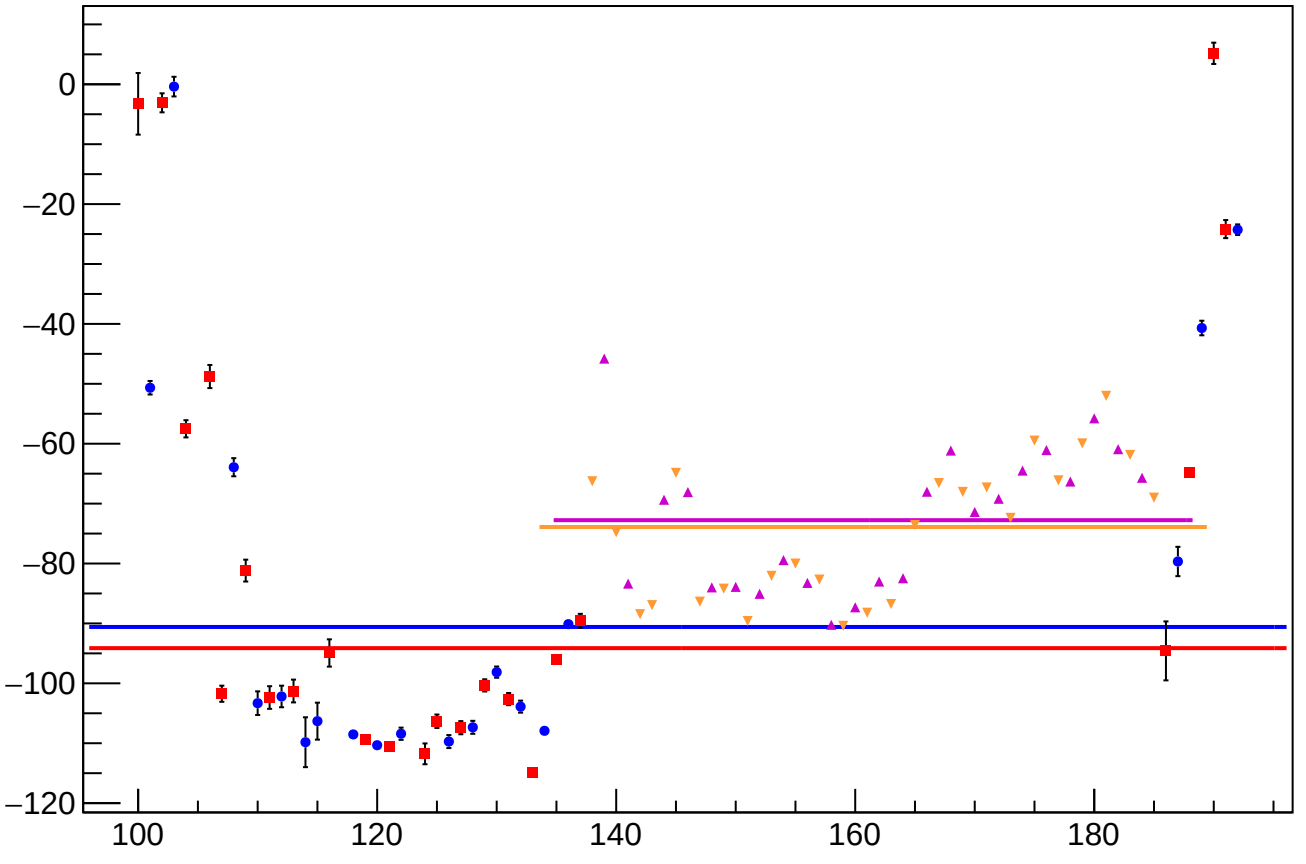
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 11.199+/-0.136 χ^2/NDF: 23178.1/41

In: 9.365+/-0.095 χ^2/NDF:23820.3/41

Out: 9.909+/-0.090 χ^2/NDF:27994.7/47

All: 9.650+/-0.065 χ^2/NDF: 51832.4/89



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: -94.125+/-0.226 χ^2/NDF: 14419.8/22

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

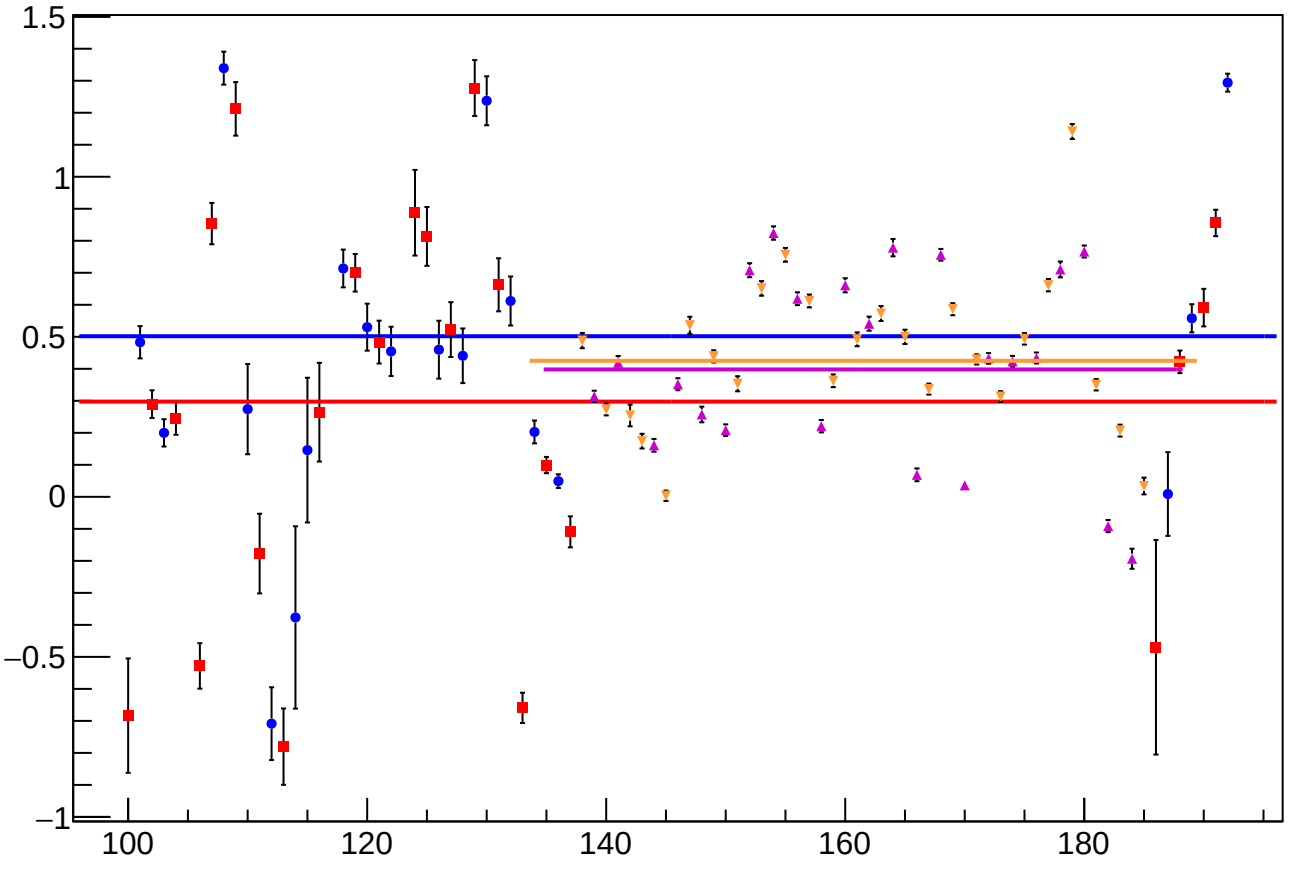
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -92.375+/-0.160 χ^2/NDF: 29803.4/41

In: -75.321+/-0.086 χ^2/NDF:33110.1/41

Out: -76.701+/-0.084 χ^2/NDF:36891.1/47

All: -76.030+/-0.060 χ^2/NDF: 70132.5/89



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: 0.297+/-0.012 χ^2/NDF: 1481.2/22

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

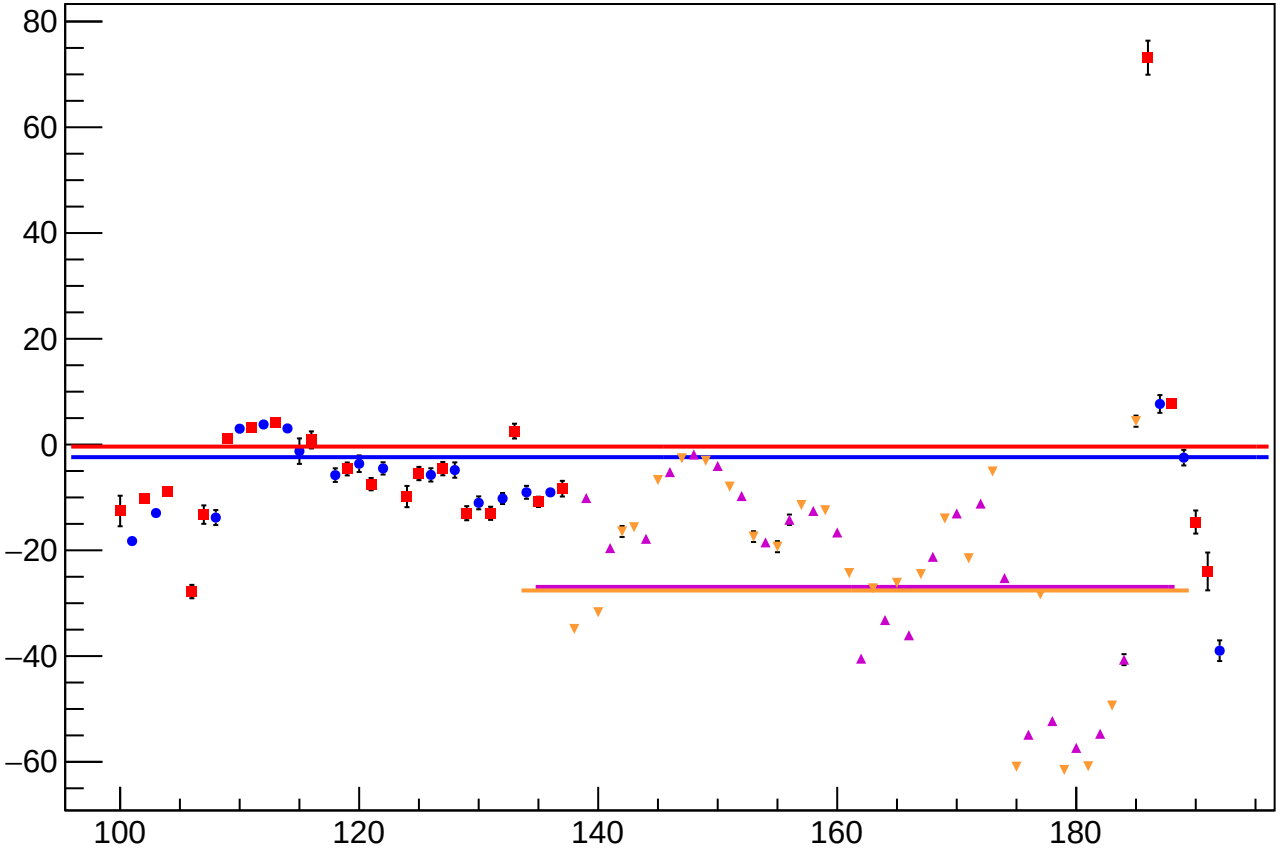
Right: 0.404+/-0.008 χ^2/NDF: 3507.6/41

In: 0.410+/-0.004 χ^2/NDF:6218.9/41

Out: 0.412+/-0.004 χ^2/NDF:4617.4/47

All: 0.411+/-0.003 χ^2/NDF: 10836.5/89

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: -0.384+/-0.165 χ^2/NDF: 2192.5/22

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

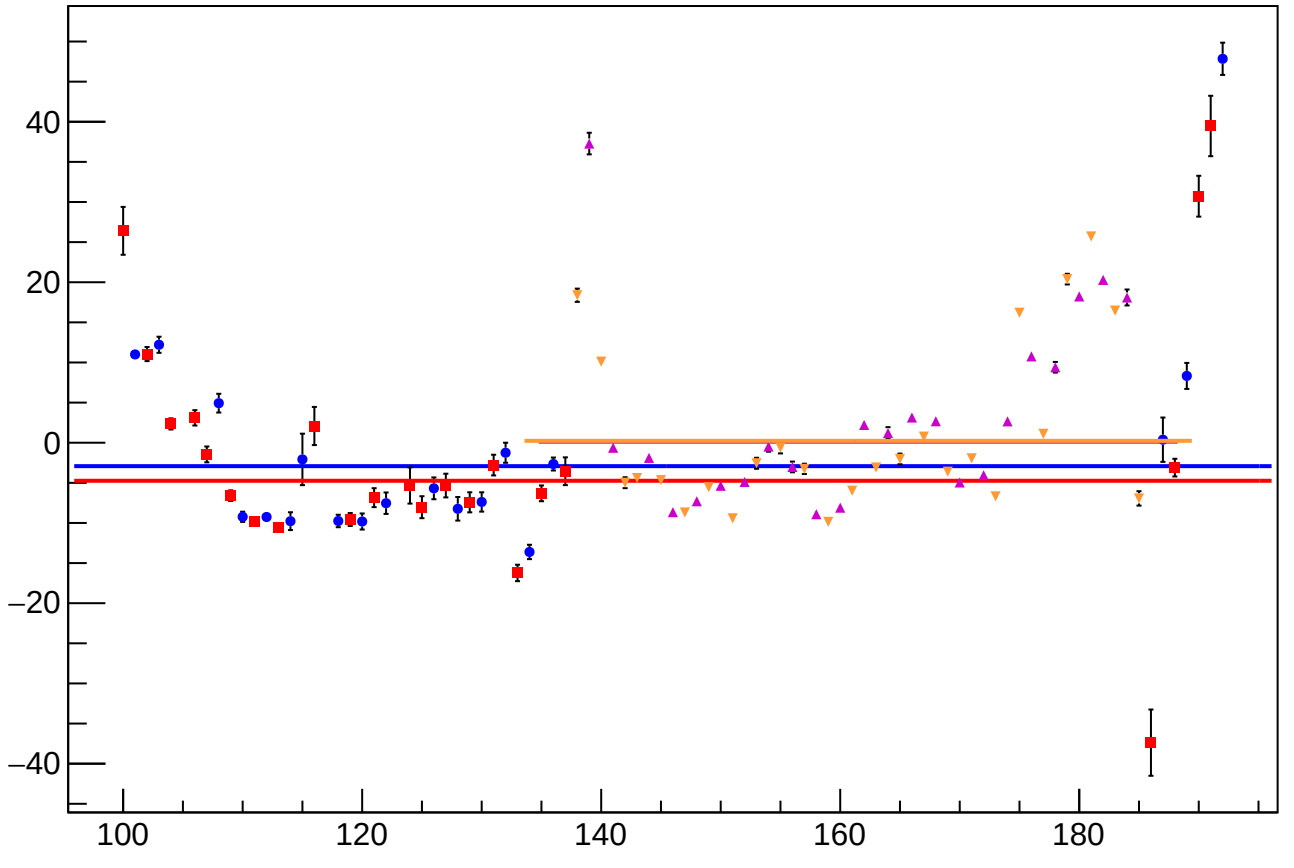
Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

Right: -1.255+/-0.124 χ^2/NDF: 4134.6/41

In: -17.453+/-0.117 χ^2/NDF:27846.6/41

Out: -15.841+/-0.109 χ^2/NDF:37310.0/47

All: -16.589+/-0.080 χ^2/NDF: 65258.4/89



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: -4.742+/-0.213 χ^2/NDF: 1380.4/22

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

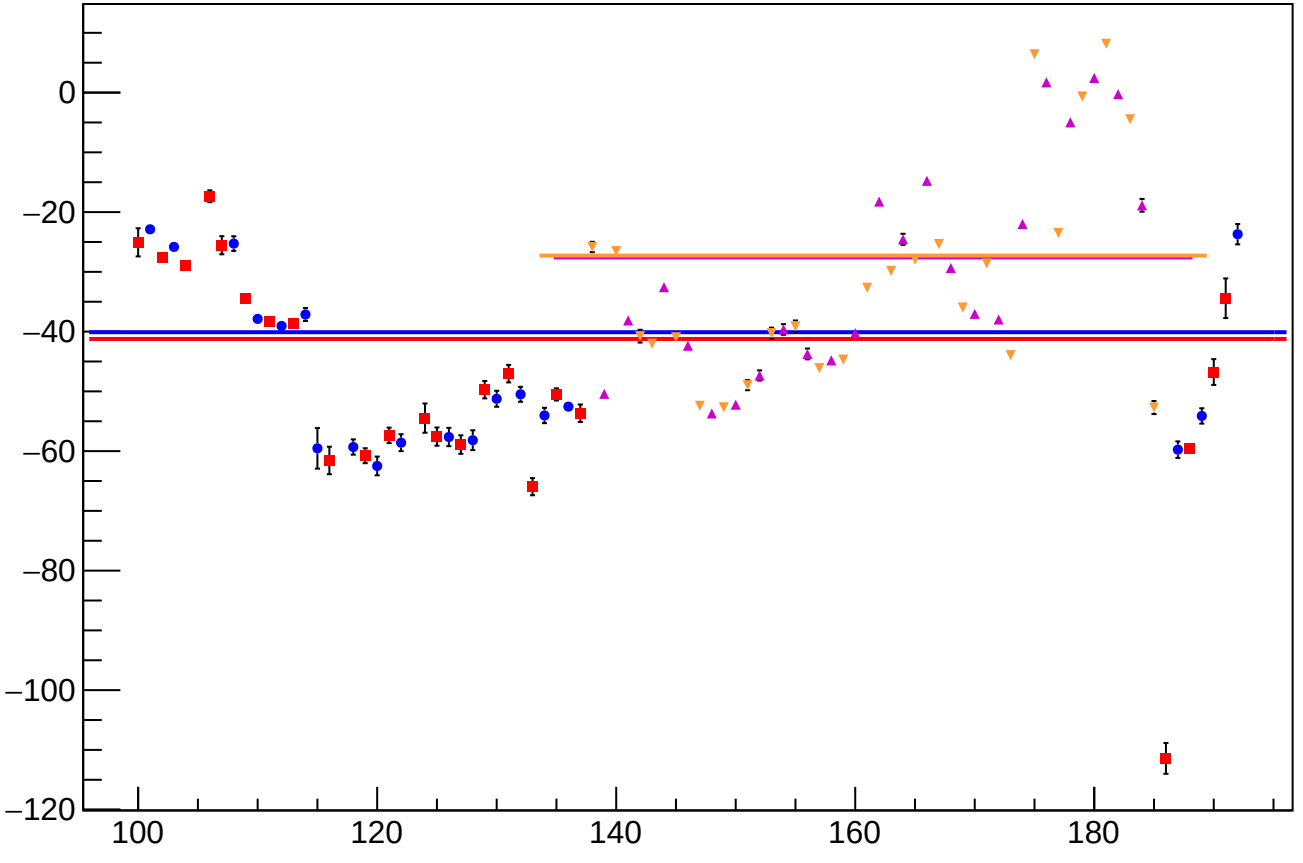
Right: -3.866+/-0.154 χ^2/NDF: 3543.6/41

In: -0.512+/-0.102 χ^2/NDF:8115.3/41

Out: -0.814+/-0.098 χ^2/NDF:9846.6/47

All: -0.669+/-0.071 χ^2/NDF: 17966.5/89

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -41.228+/-0.199 χ^2/NDF: 4541.5/22

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

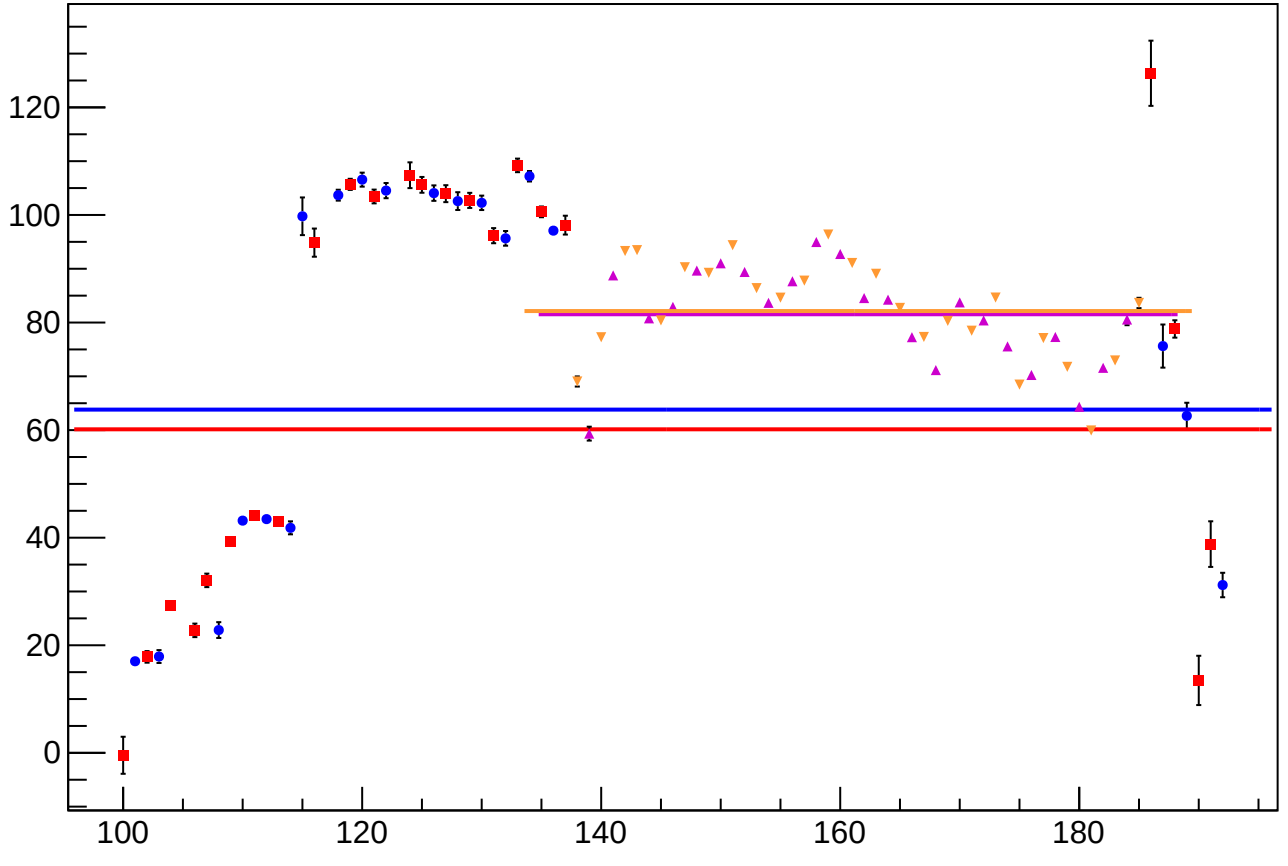
Right: -40.713+/-0.147 χ^2/NDF: 7937.8/41

In: -31.553+/-0.122 χ^2/NDF:21292.6/41

Out: -32.052+/-0.117 χ^2/NDF:26291.7/47

All: -31.815+/-0.084 χ^2/NDF: 47593.0/89

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: 60.149+/-0.245 χ^2/NDF: 17815.1/22

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

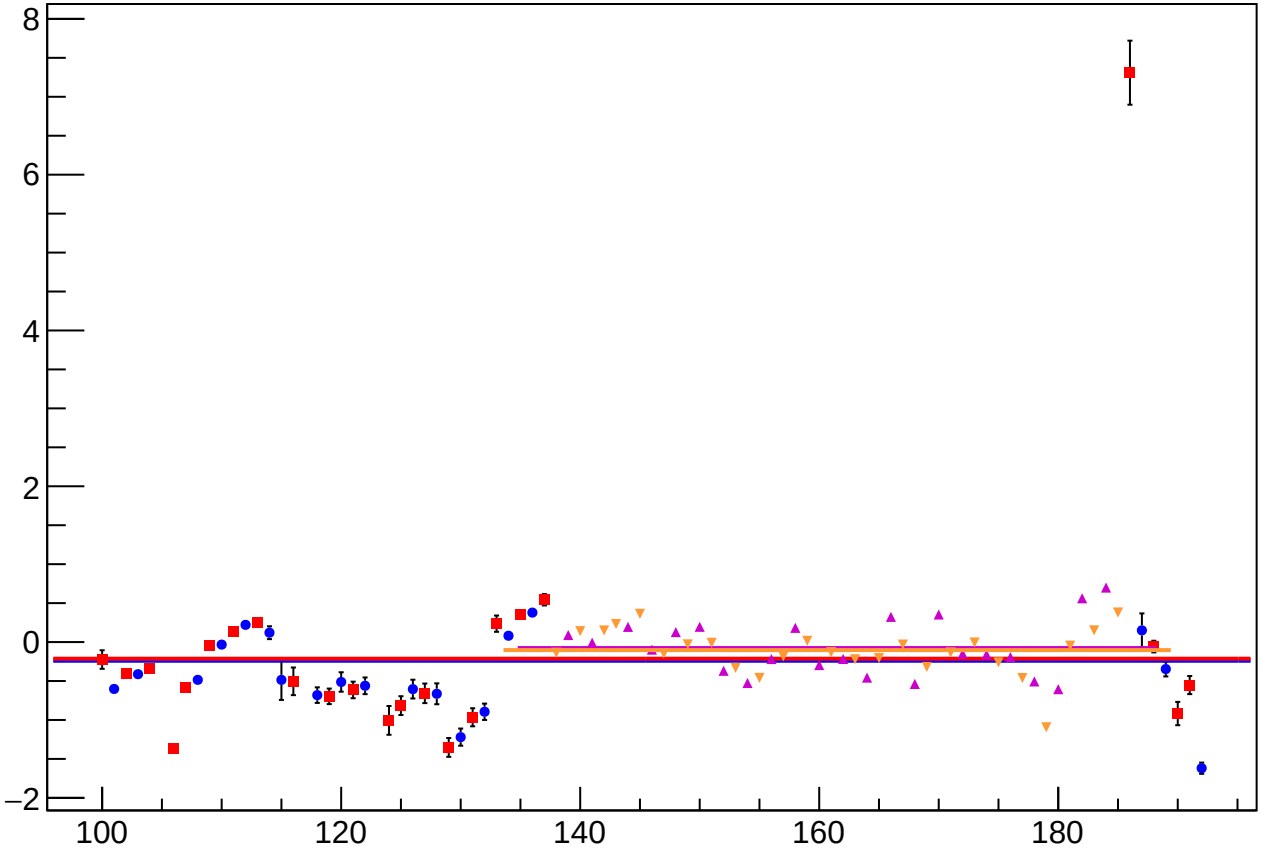
Right: 61.914+/-0.176 χ^2/NDF: 36736.1/41

In: 77.905+/-0.115 χ^2/NDF:26729.4/41

Out: 77.603+/-0.111 χ^2/NDF:29590.7/47

All: 77.749+/-0.080 χ^2/NDF: 56323.7/89

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: -0.214+/-0.013 χ^2/NDF: 1738.1/22

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

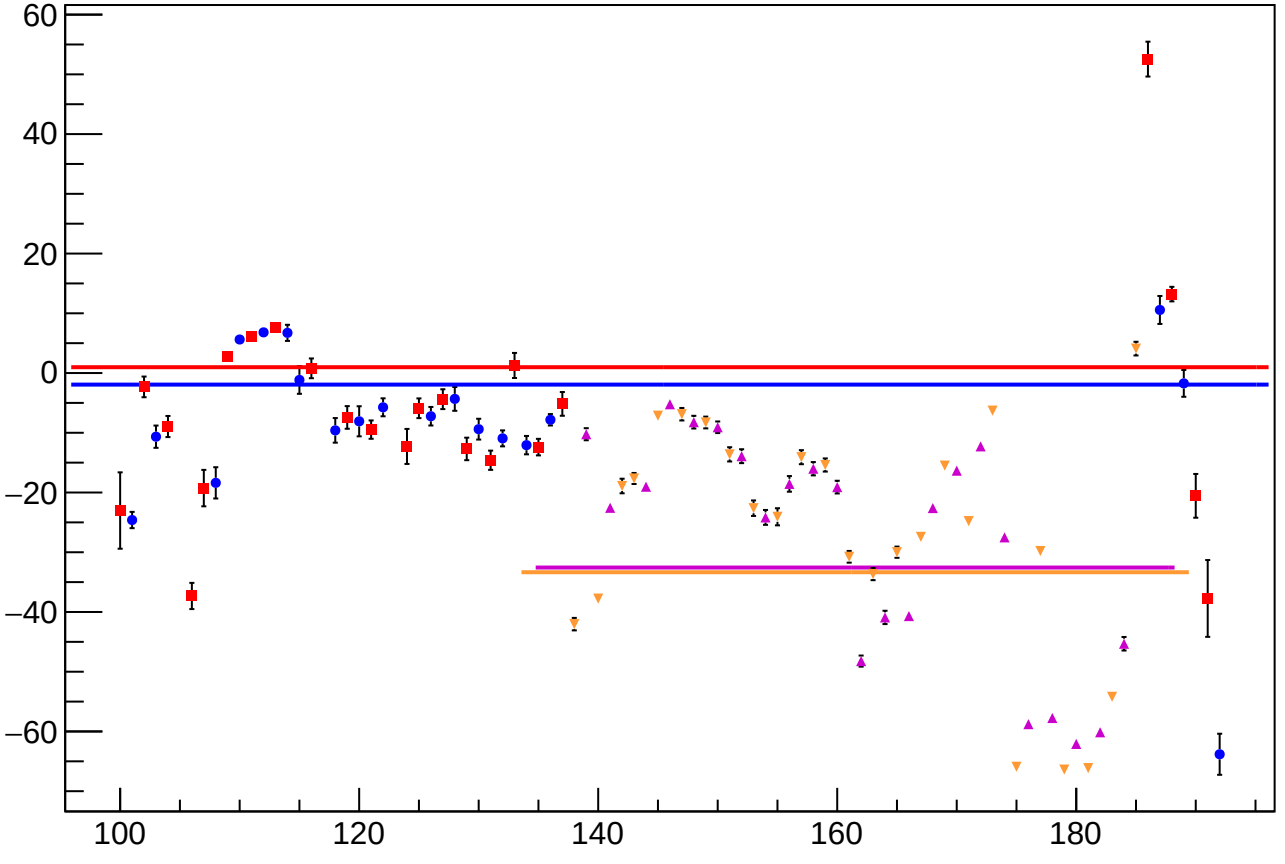
Right: -0.226+/-0.009 χ^2/NDF: 3043.3/41

In: -0.103+/-0.005 χ^2/NDF:4754.3/41

Out: -0.121+/-0.005 χ^2/NDF:4210.2/47

All: -0.113+/-0.004 χ^2/NDF: 8970.6/89

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: 0.977+/-0.272 χ^2/NDF: 1426.0/22

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

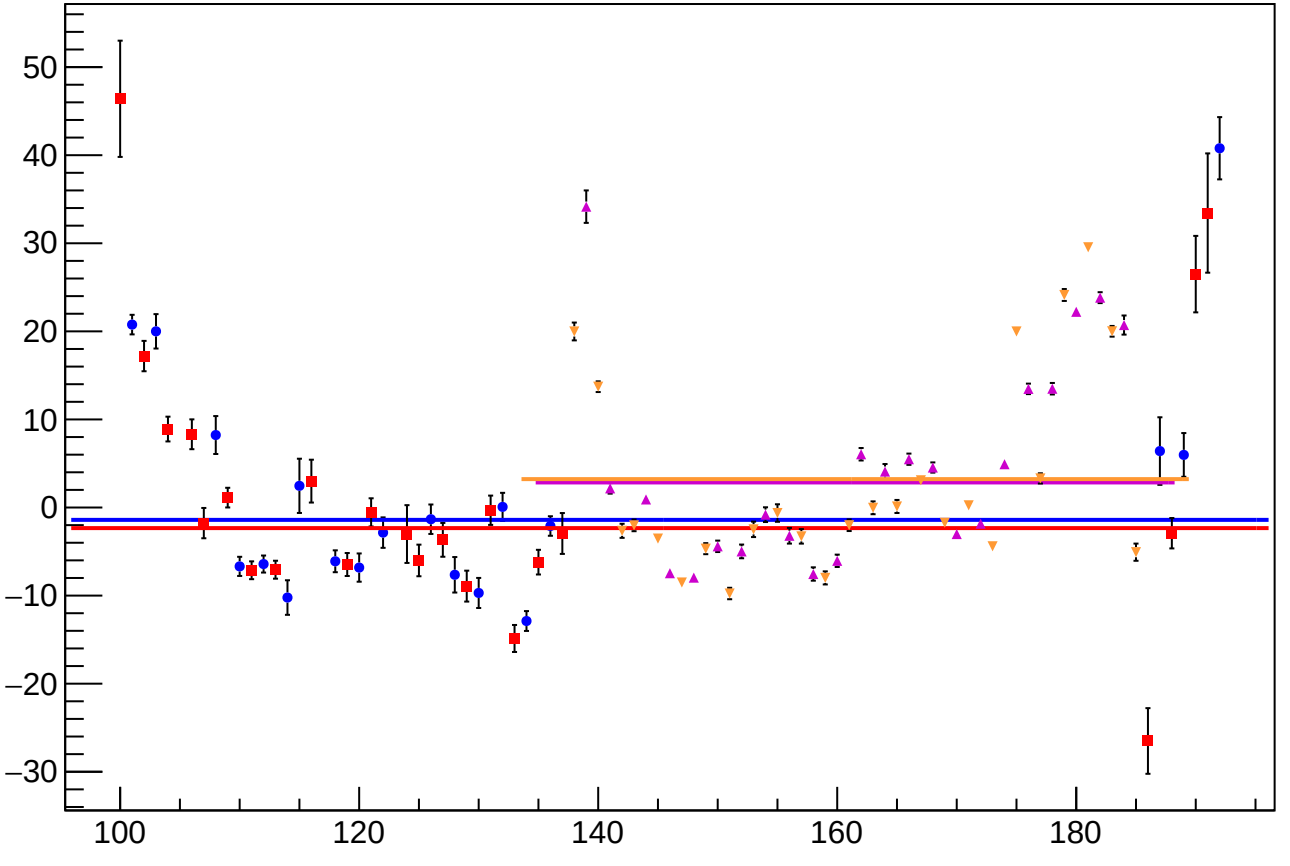
Right: -0.333+/-0.202 χ^2/NDF: 2731.1/41

In: -25.209+/-0.148 χ^2/NDF:22990.3/41

Out: -24.167+/-0.141 χ^2/NDF:31042.8/47

All: -24.663+/-0.102 χ^2/NDF: 54059.1/89

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: -2.338+/-0.345 χ^2/NDF: 565.1/22

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

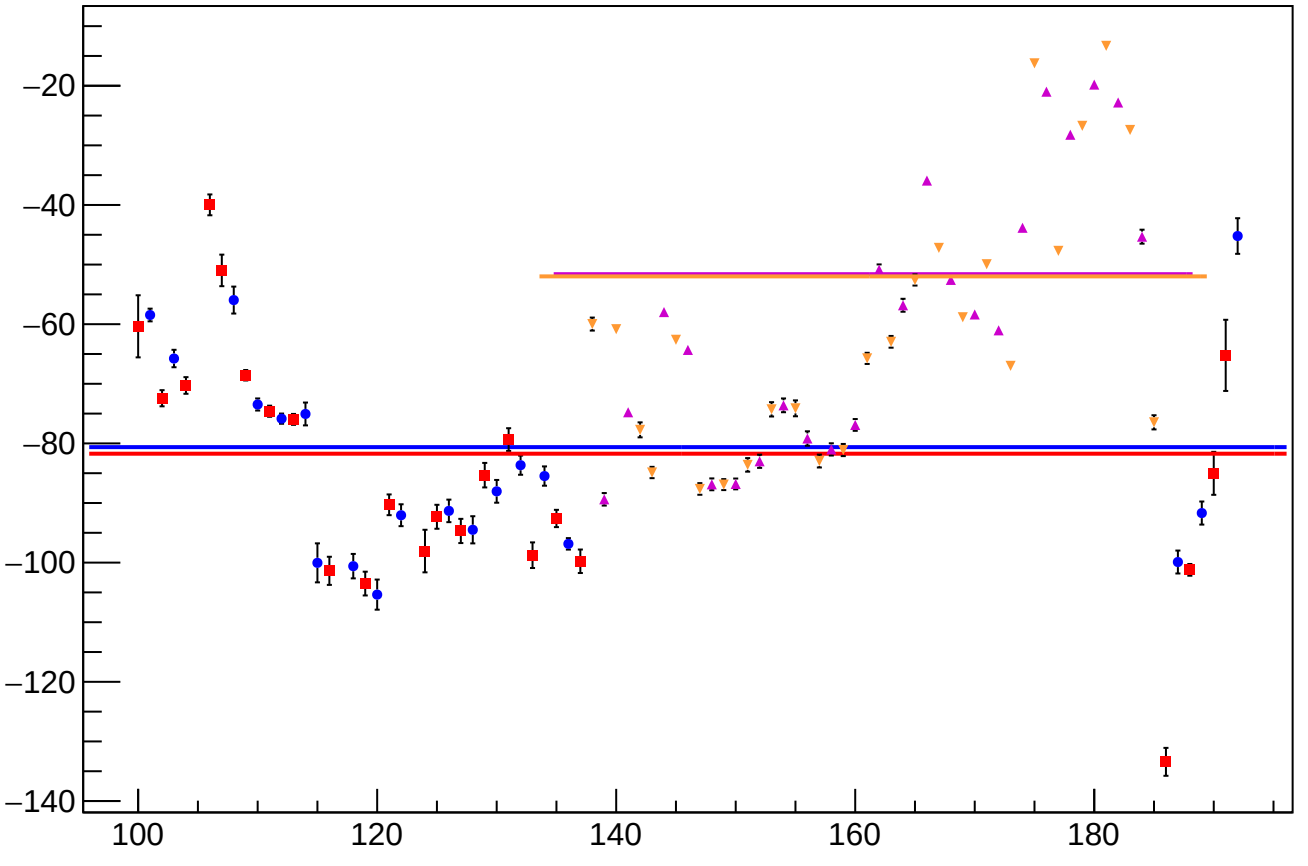
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: -1.876+/-0.245 χ^2/NDF: 1499.4/41

In: 2.320+/-0.123 χ^2/NDF:6515.8/41

Out: 2.550+/-0.120 χ^2/NDF:8469.2/47

All: 2.438+/-0.086 χ^2/NDF: 14986.8/89



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: -81.729+/-0.328 χ^2/NDF: 2557.3/22

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

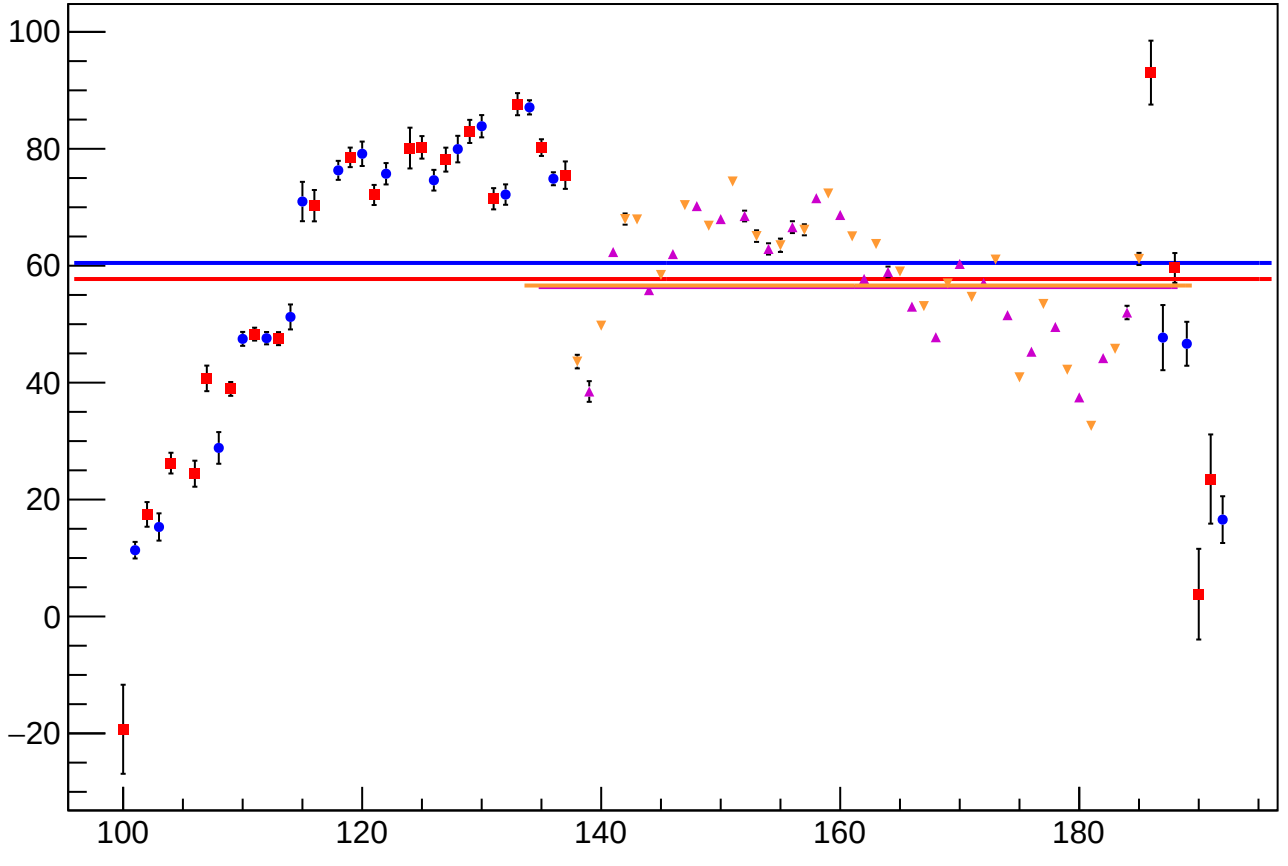
Right: -81.214+/-0.239 χ^2/NDF: 4225.7/41

In: -57.110+/-0.152 χ^2/NDF:24868.3/41

Out: -57.993+/-0.147 χ^2/NDF:30028.0/47

All: -57.567+/-0.106 χ^2/NDF: 54913.7/89

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: 57.726+/-0.393 χ^2/NDF: 2886.3/22

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

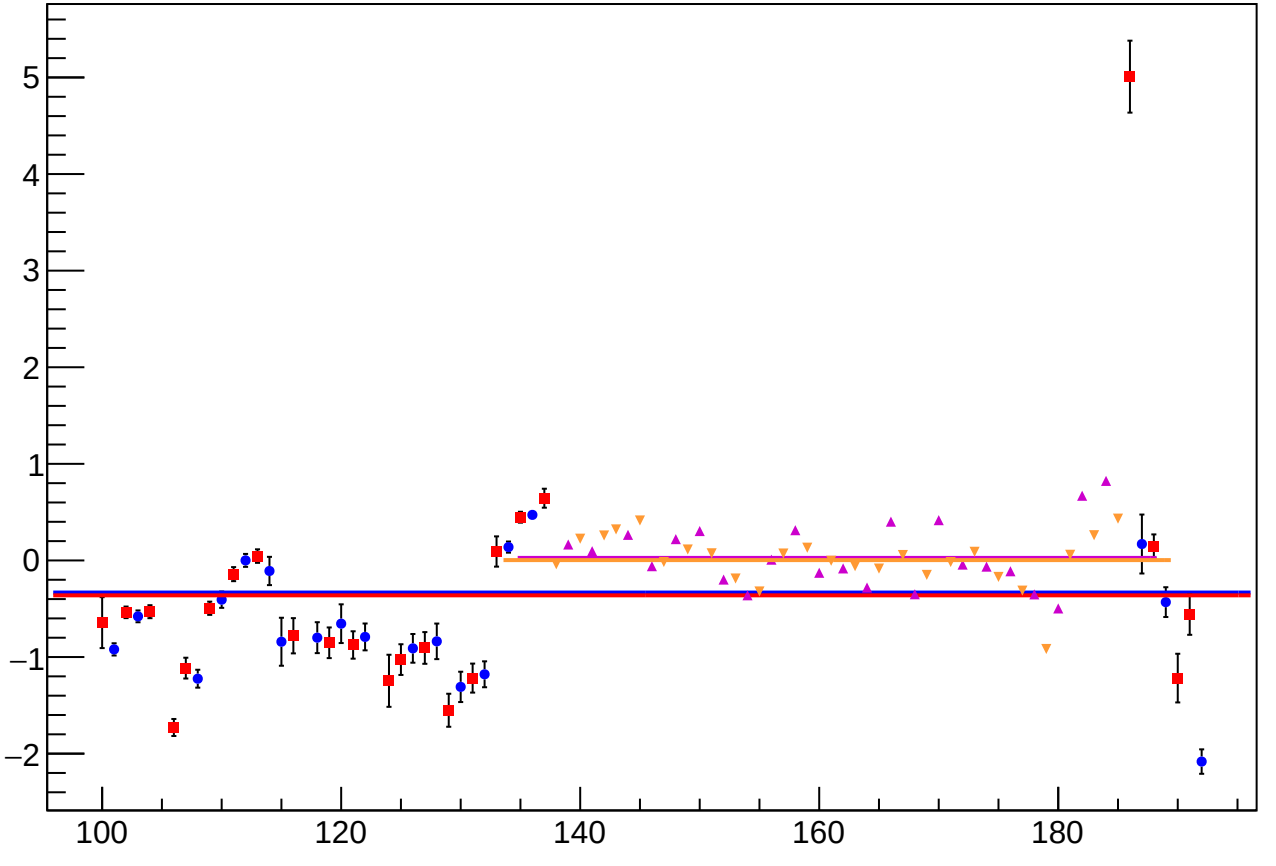
Right: 59.093+/-0.279 χ^2/NDF: 6282.0/41

In: 56.852+/-0.138 χ^2/NDF:7435.8/41

Out: 56.744+/-0.135 χ^2/NDF:8559.5/47

All: 56.796+/-0.097 χ^2/NDF: 15995.6/89

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: -0.361+/-0.021 χ^2/NDF: 1057.6/22

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

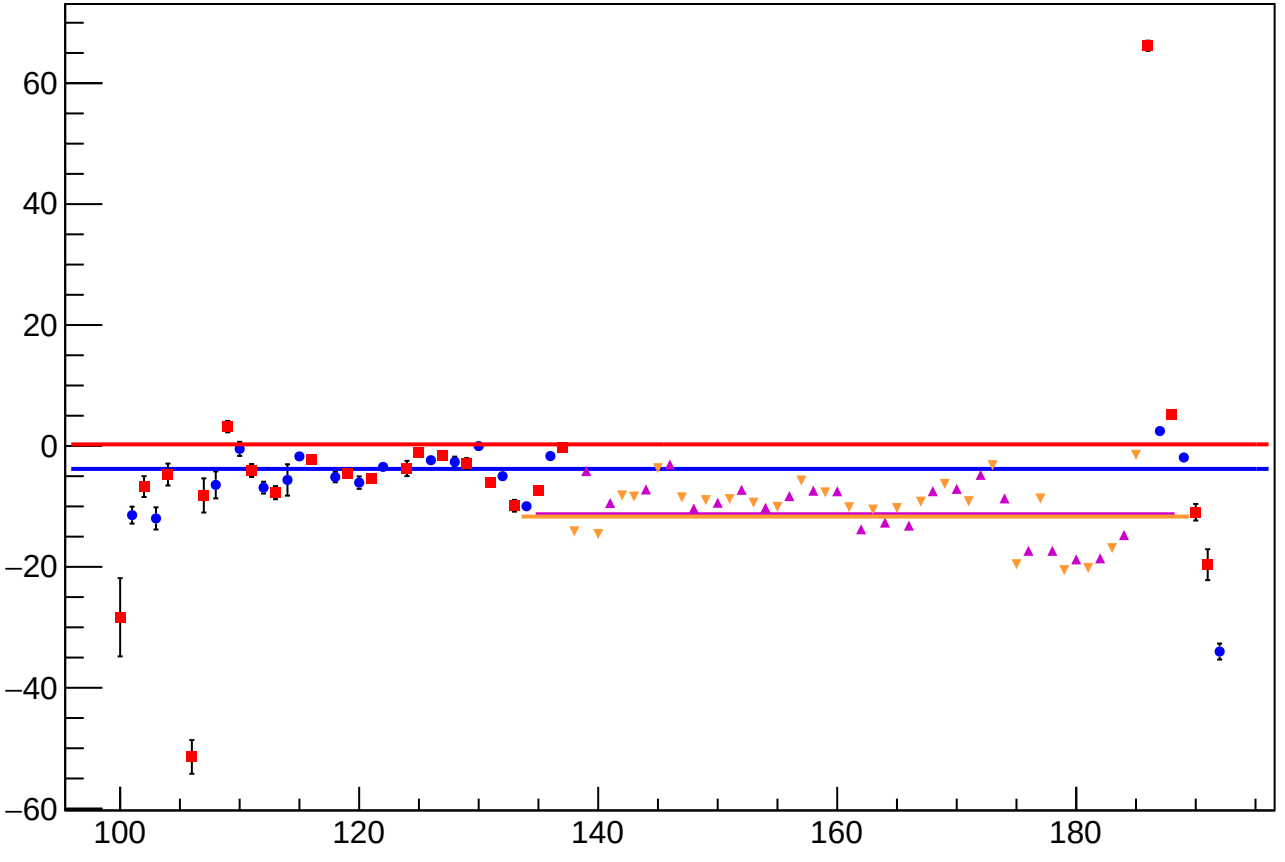
Right: -0.347+/-0.015 χ^2/NDF: 1986.5/41

In: -0.006+/-0.006 χ^2/NDF:3540.8/41

Out: -0.027+/-0.006 χ^2/NDF:3026.3/47

All: -0.017+/-0.004 χ^2/NDF: 6573.0/89

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: 0.259+/-0.175 χ^2/NDF: 7416.0/22

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

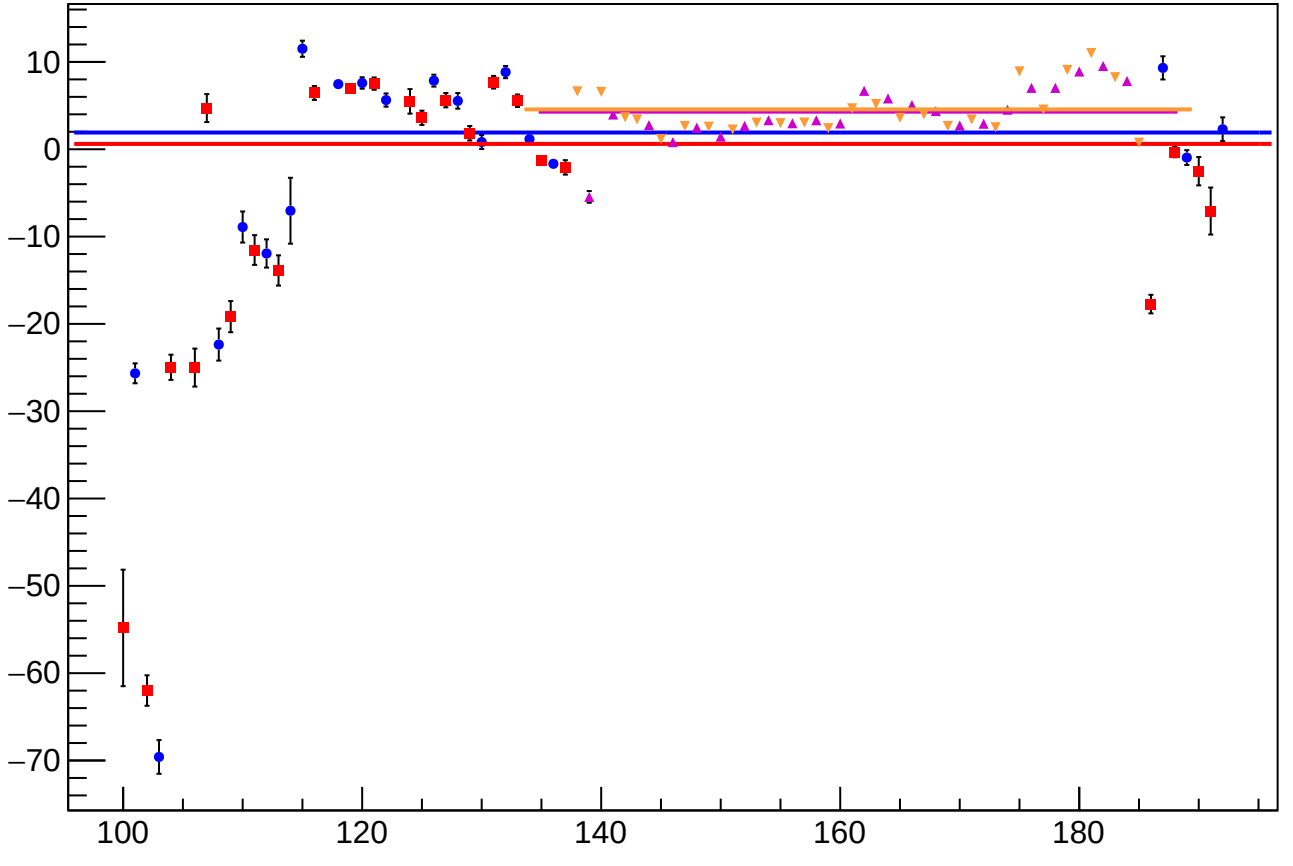
Right: -1.738+/-0.124 χ^2/NDF: 8504.8/41

In: -10.665+/-0.052 χ^2/NDF:11690.5/41

Out: -10.686+/-0.050 χ^2/NDF:24298.0/47

All: -10.676+/-0.036 χ^2/NDF: 35988.6/89

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: 0.612+/-0.192 χ^2/NDF: 2890.6/22

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

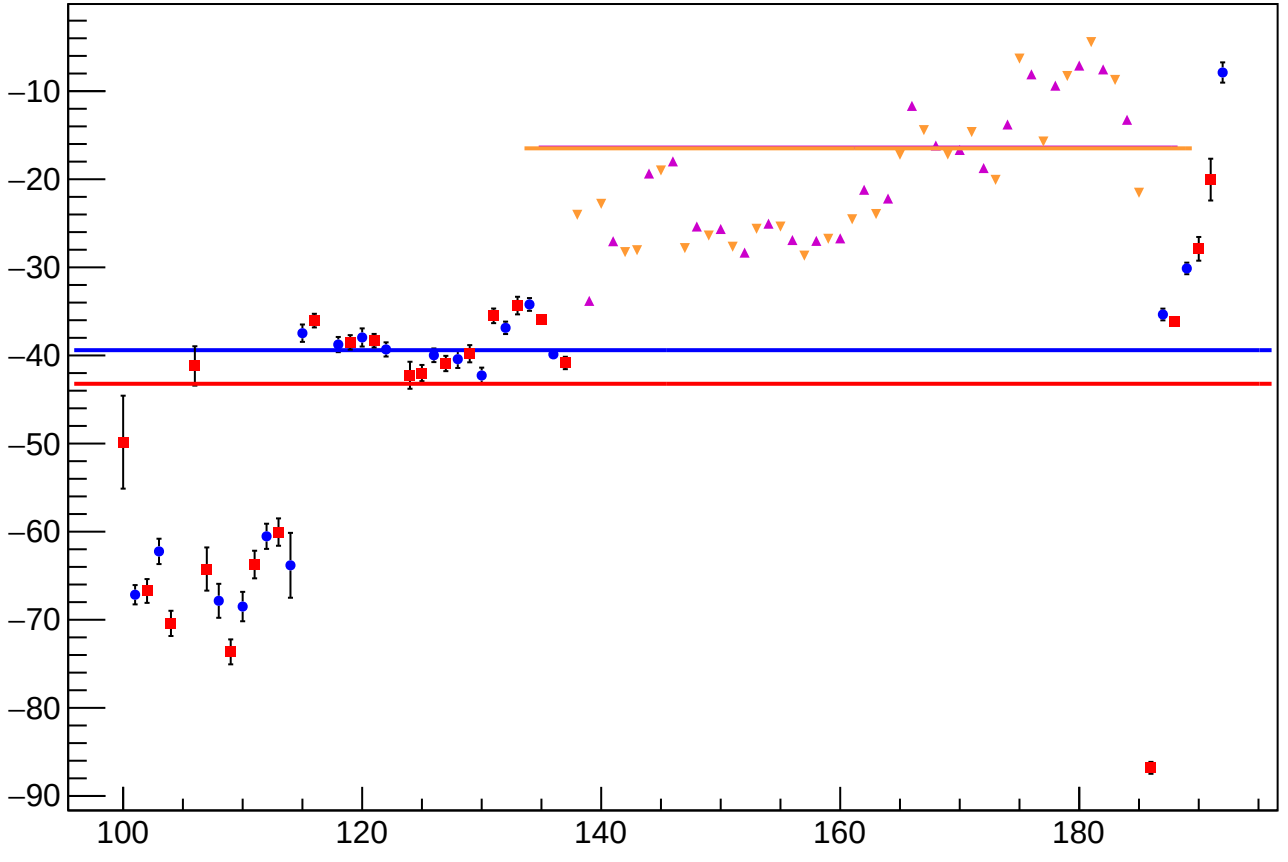
Right: 1.299+/-0.132 χ^2/NDF: 5795.8/41

In: 4.185+/-0.041 χ^2/NDF:6655.5/41

Out: 4.388+/-0.040 χ^2/NDF:7653.4/47

All: 4.288+/-0.029 χ^2/NDF: 14321.3/89

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -43.215+/-0.181 χ^2/NDF: 6819.6/22

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

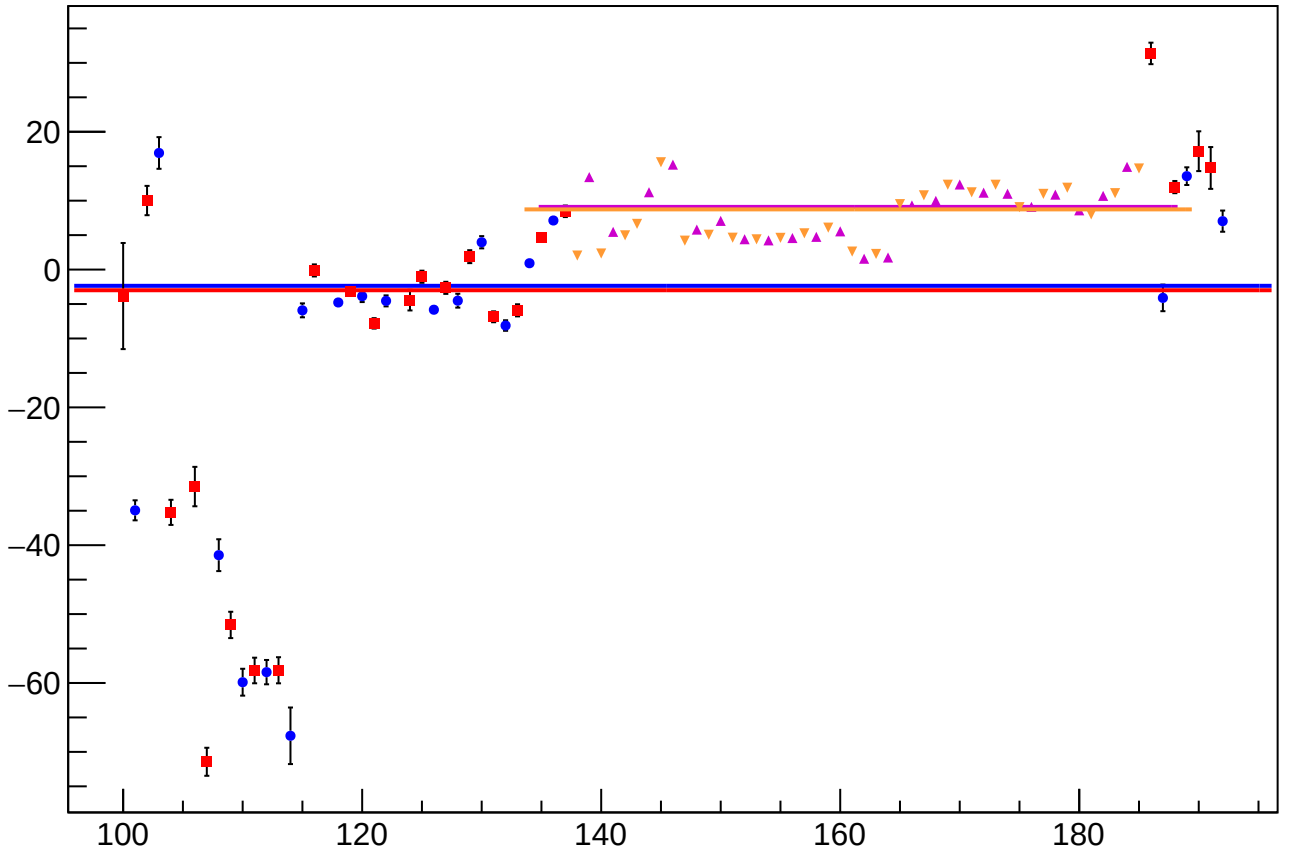
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -41.374+/-0.130 χ^2/NDF: 9785.4/41

In: -18.164+/-0.052 χ^2/NDF:34717.4/41

Out: -18.591+/-0.051 χ^2/NDF:48927.2/47

All: -18.382+/-0.036 χ^2/NDF: 83679.3/89



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: -3.000+/-0.221 χ^2/NDF: 5307.7/22

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

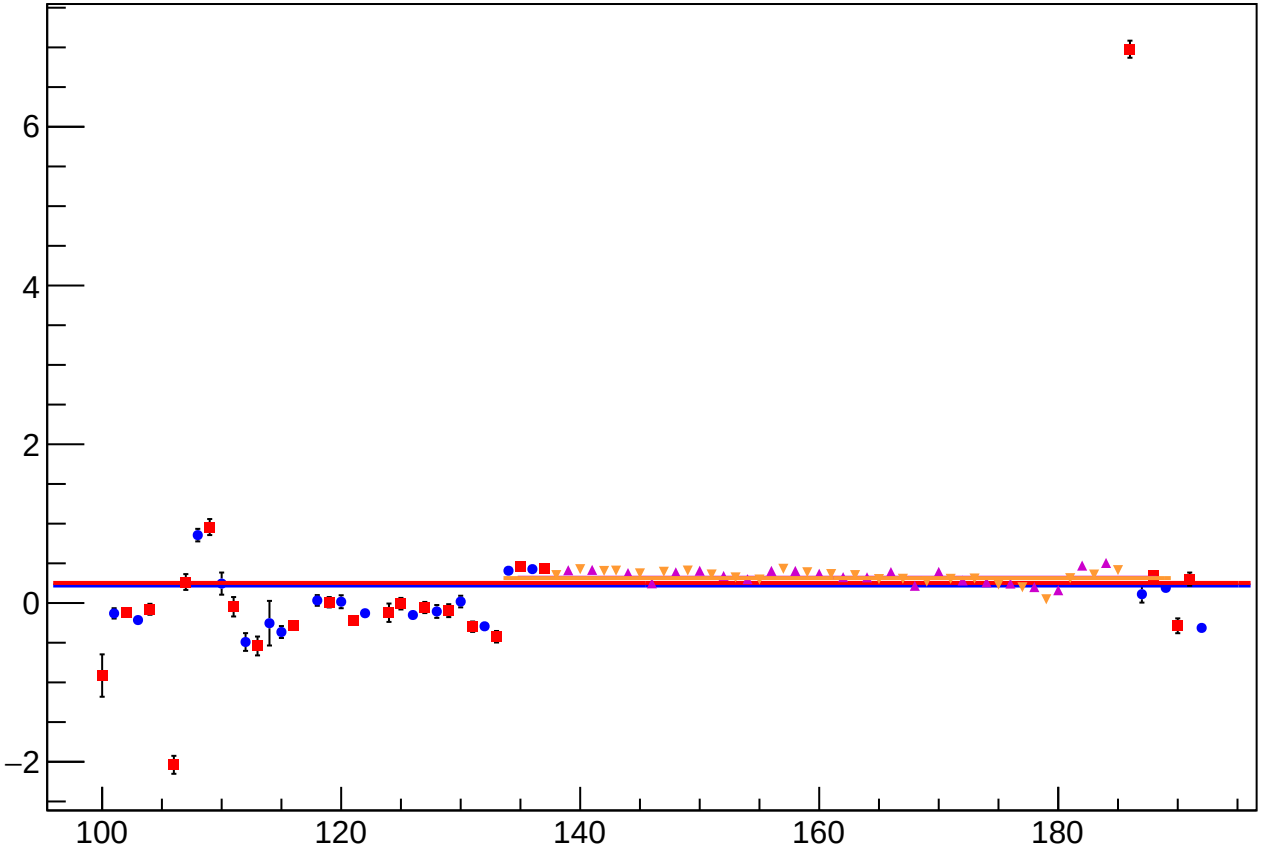
Right: -2.653+/-0.150 χ^2/NDF: 9237.2/41

In: 8.516+/-0.046 χ^2/NDF:12659.8/41

Out: 8.242+/-0.045 χ^2/NDF:14890.8/47

All: 8.377+/-0.032 χ^2/NDF: 27568.7/89

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: 0.253+/-0.012 χ^2/NDF: 5022.7/22

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

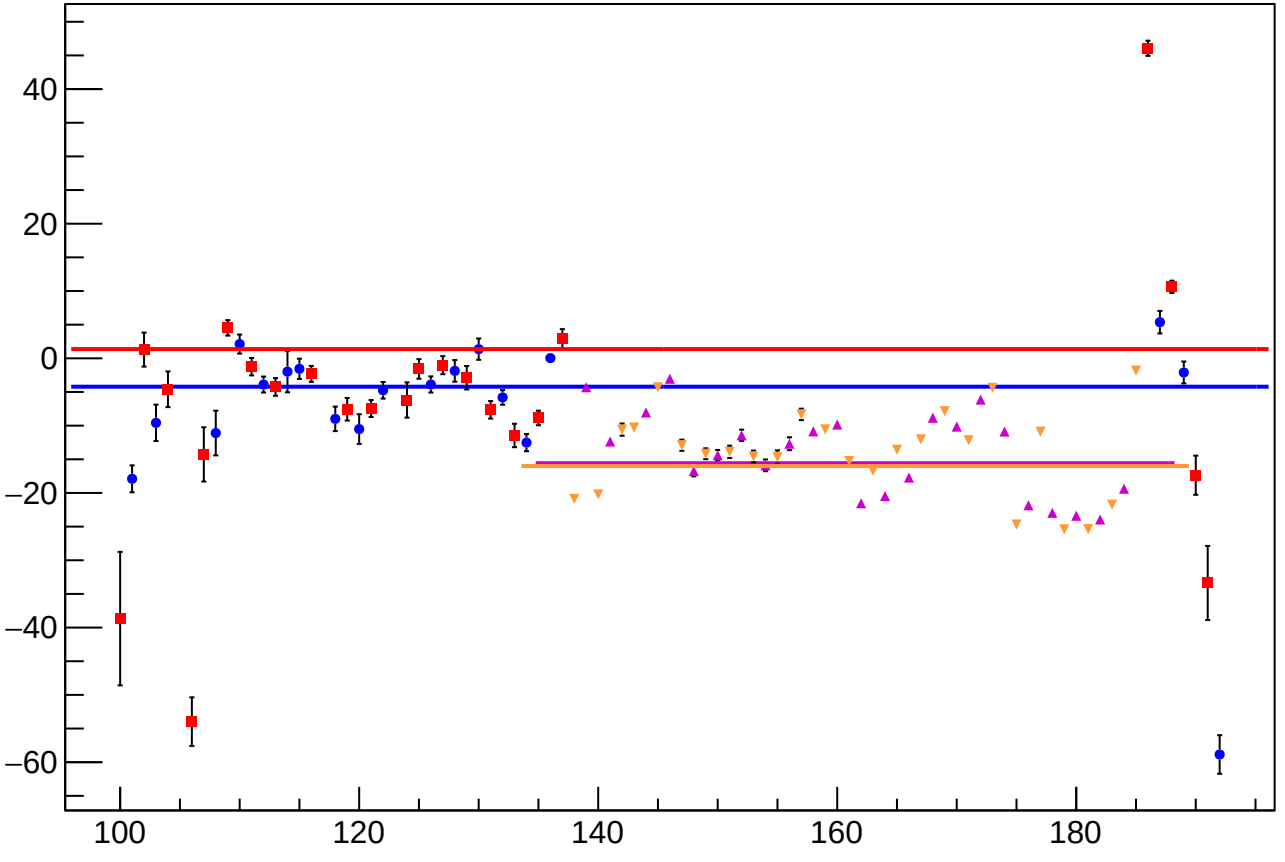
Right: 0.235+/-0.008 χ^2/NDF: 5787.1/41

In: 0.315+/-0.002 χ^2/NDF:2626.8/41

Out: 0.312+/-0.002 χ^2/NDF:6648.1/47

All: 0.314+/-0.001 χ^2/NDF: 9275.8/89

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: 1.372+/-0.316 χ^2/NDF: 2354.5/22

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

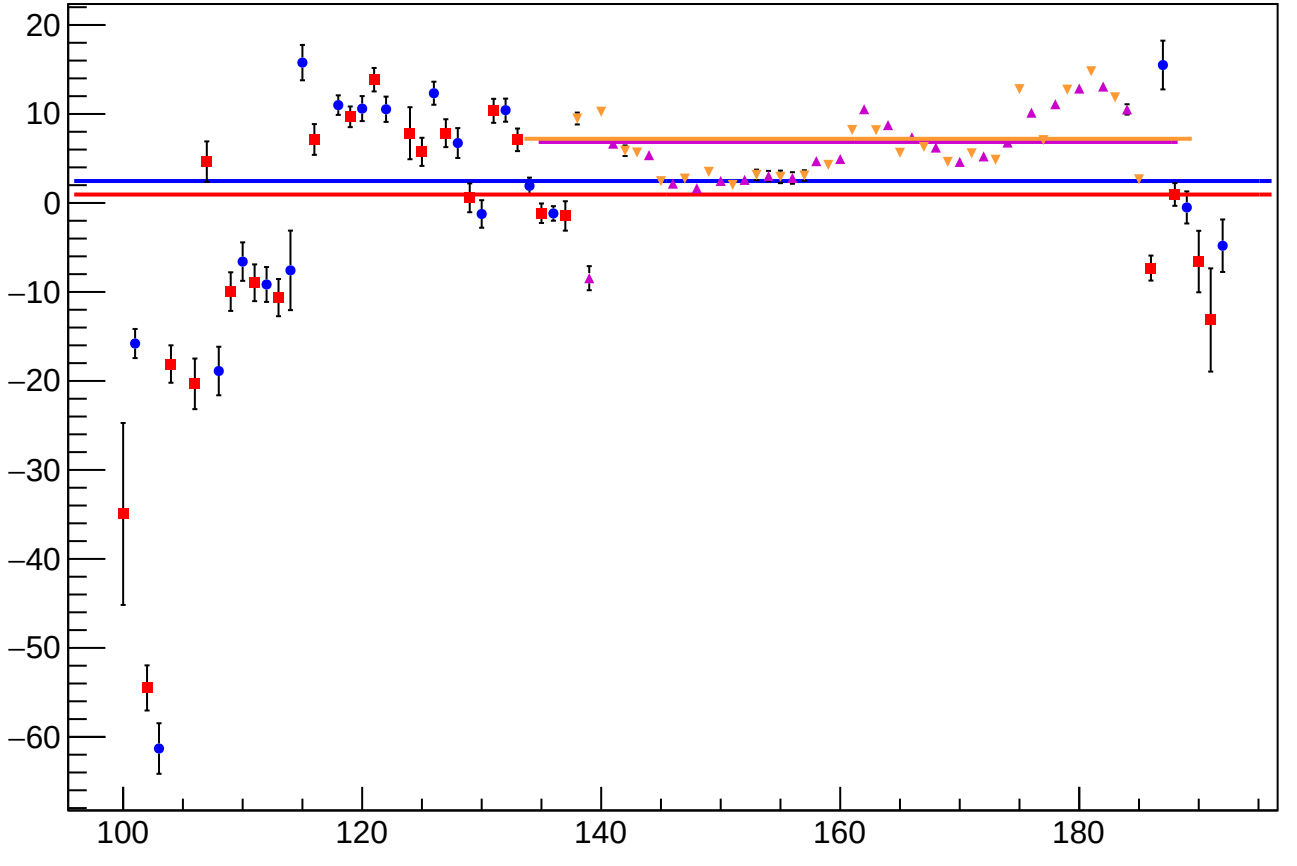
Right: -1.305+/-0.228 χ^2/NDF: 3091.0/41

In: -14.588+/-0.097 χ^2/NDF:6433.0/41

Out: -14.438+/-0.095 χ^2/NDF:11064.8/47

All: -14.511+/-0.068 χ^2/NDF: 17499.1/89

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: 0.947+/-0.355 χ^2/NDF: 1032.5/22

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

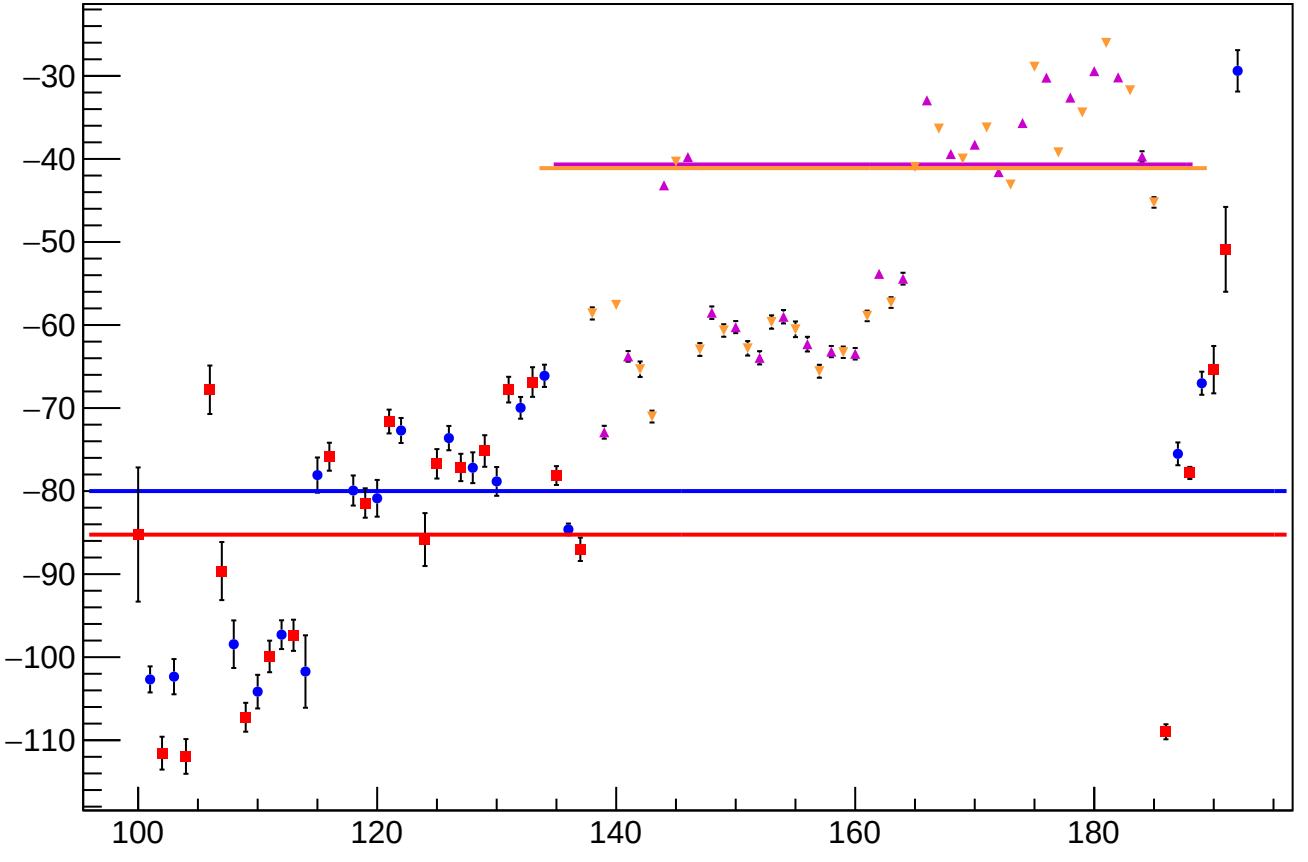
Right: 1.727+/-0.247 χ^2/NDF: 2120.1/41

In: 6.626+/-0.079 χ^2/NDF:3388.4/41

Out: 6.908+/-0.078 χ^2/NDF:3785.0/47

All: 6.769+/-0.056 χ^2/NDF: 7179.9/89

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -79.997+/-0.354 χ^2/NDF: 1392.4/18

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -85.244+/-0.332 χ^2/NDF: 2000.3/22

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

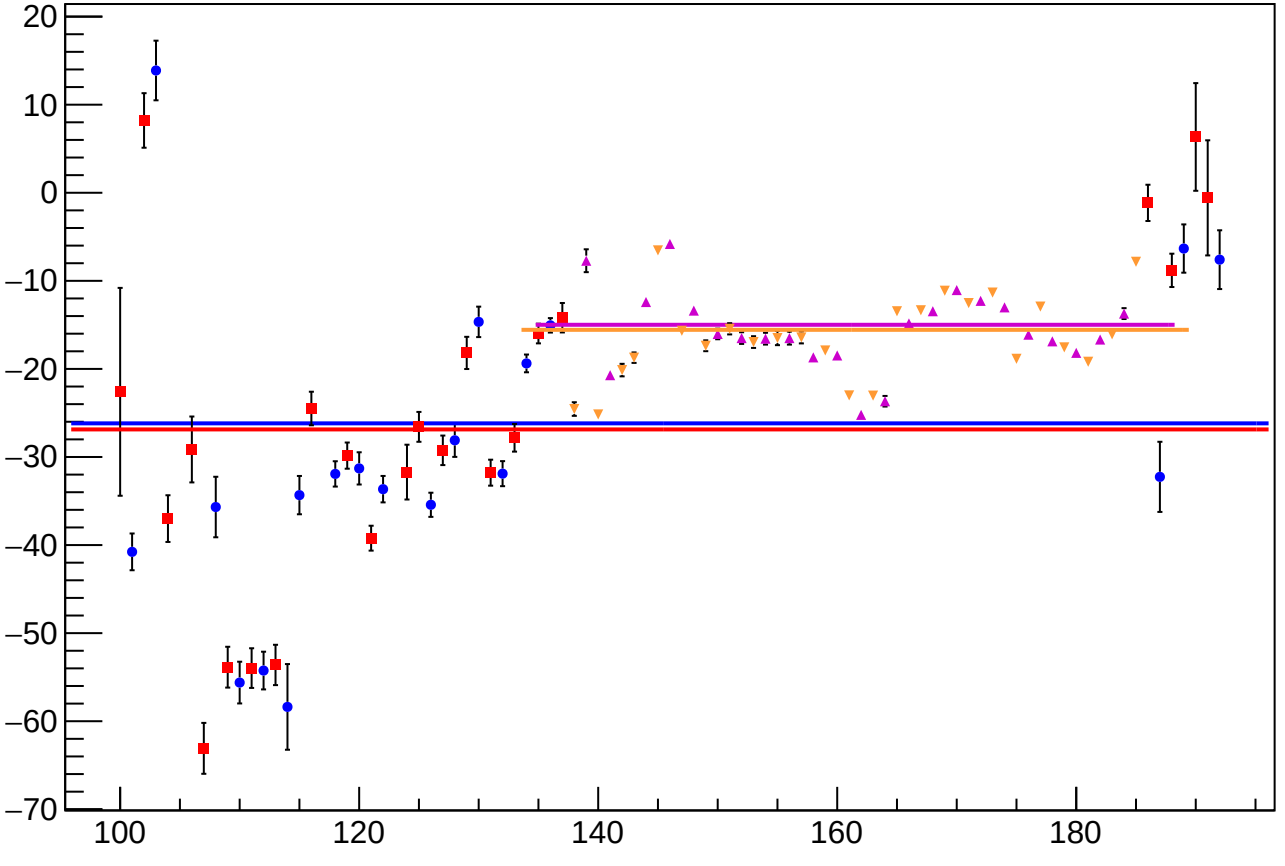
Right: -82.789+/-0.242 χ^2/NDF: 3509.6/41

In: -43.692+/-0.098 χ^2/NDF:26326.2/41

Out: -44.784+/-0.096 χ^2/NDF:34211.0/47

All: -44.252+/-0.069 χ^2/NDF: 60600.6/89

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: -26.870+/-0.410 χ^2/NDF: 1283.3/22

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

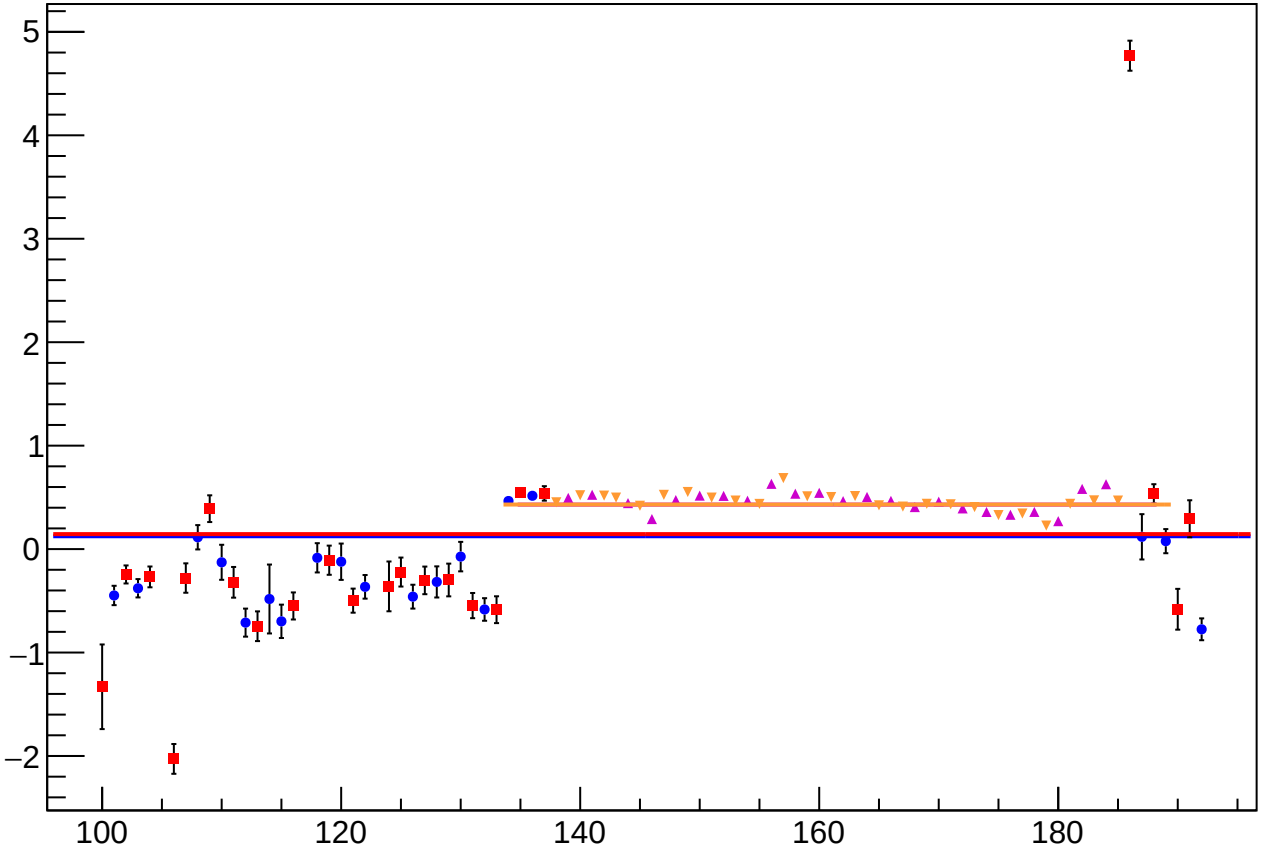
Right: -26.506+/-0.281 χ^2/NDF: 2336.4/41

In: -15.567+/-0.088 χ^2/NDF:3995.6/41

Out: -16.069+/-0.087 χ^2/NDF:4559.0/47

All: -15.822+/-0.062 χ^2/NDF: 8571.1/89

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: 0.145+/-0.023 χ^2/NDF: 1655.2/22

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

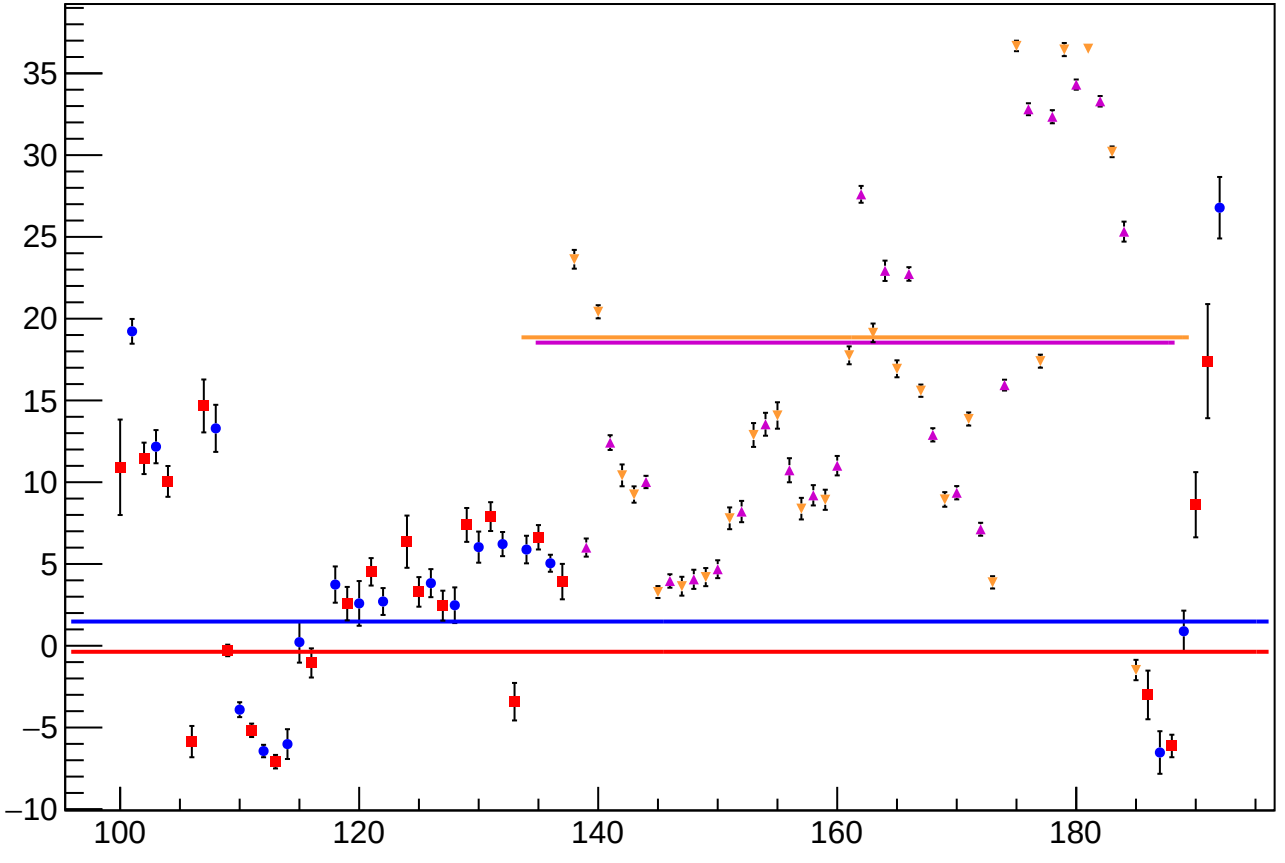
Right: 0.133+/-0.015 χ^2/NDF: 2154.2/41

In: 0.419+/-0.004 χ^2/NDF:1295.2/41

Out: 0.422+/-0.004 χ^2/NDF:2224.2/47

All: 0.421+/-0.003 χ^2/NDF: 3519.9/89

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -0.368+/-0.161 χ^2/NDF: 1269.3/22

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

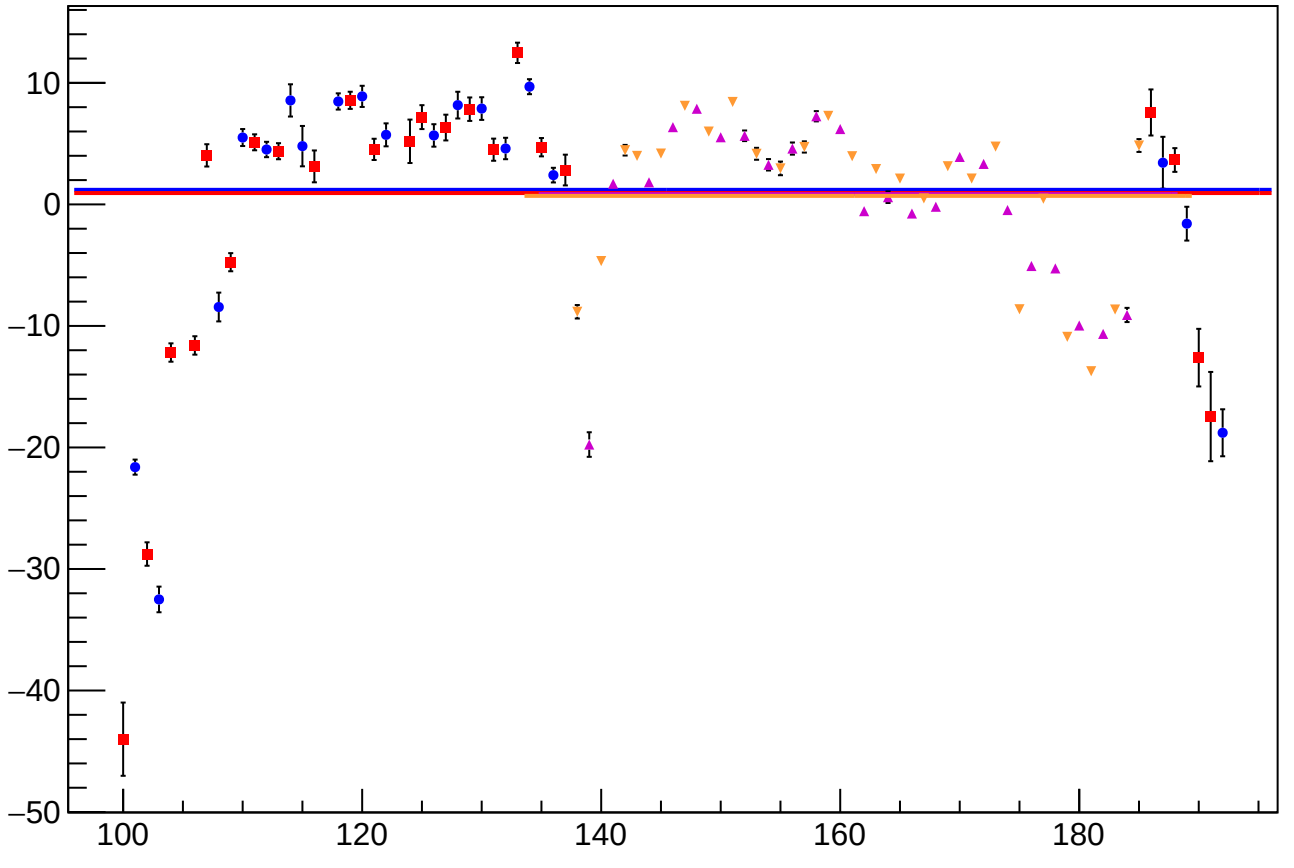
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 0.460+/-0.120 χ^2/NDF: 3069.7/41

In: 14.885+/-0.083 χ^2/NDF:22969.2/41

Out: 14.248+/-0.079 χ^2/NDF:30486.1/47

All: 14.551+/-0.057 χ^2/NDF: 53486.3/89



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: 0.934+/-0.196 χ^2/NDF: 2454.9/22

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

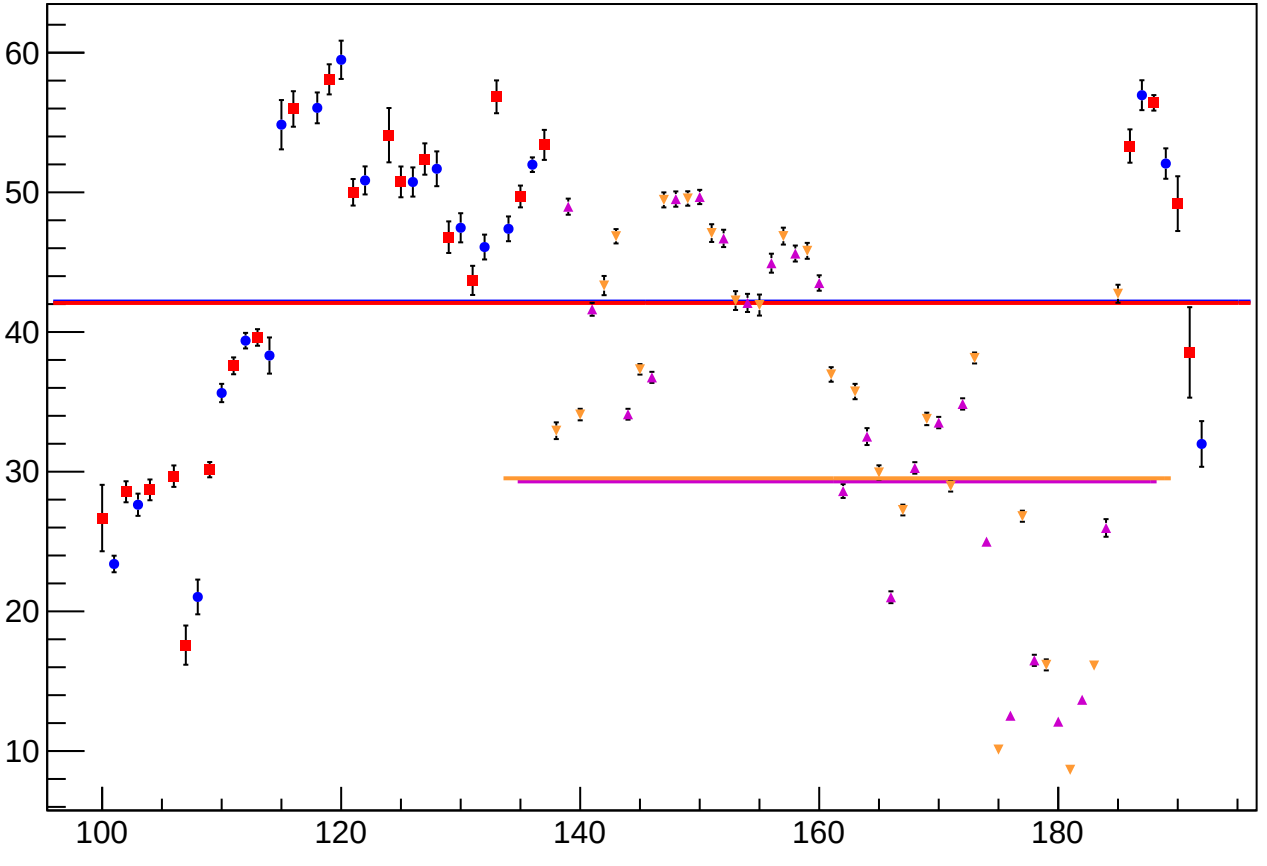
Right: 1.064+/-0.140 χ^2/NDF: 5649.6/41

In: 0.888+/-0.068 χ^2/NDF:9242.0/41

Out: 0.729+/-0.066 χ^2/NDF:10693.9/47

All: 0.806+/-0.048 χ^2/NDF: 19938.7/89

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 42.082+/-0.187 χ^2/NDF: 3550.1/22

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

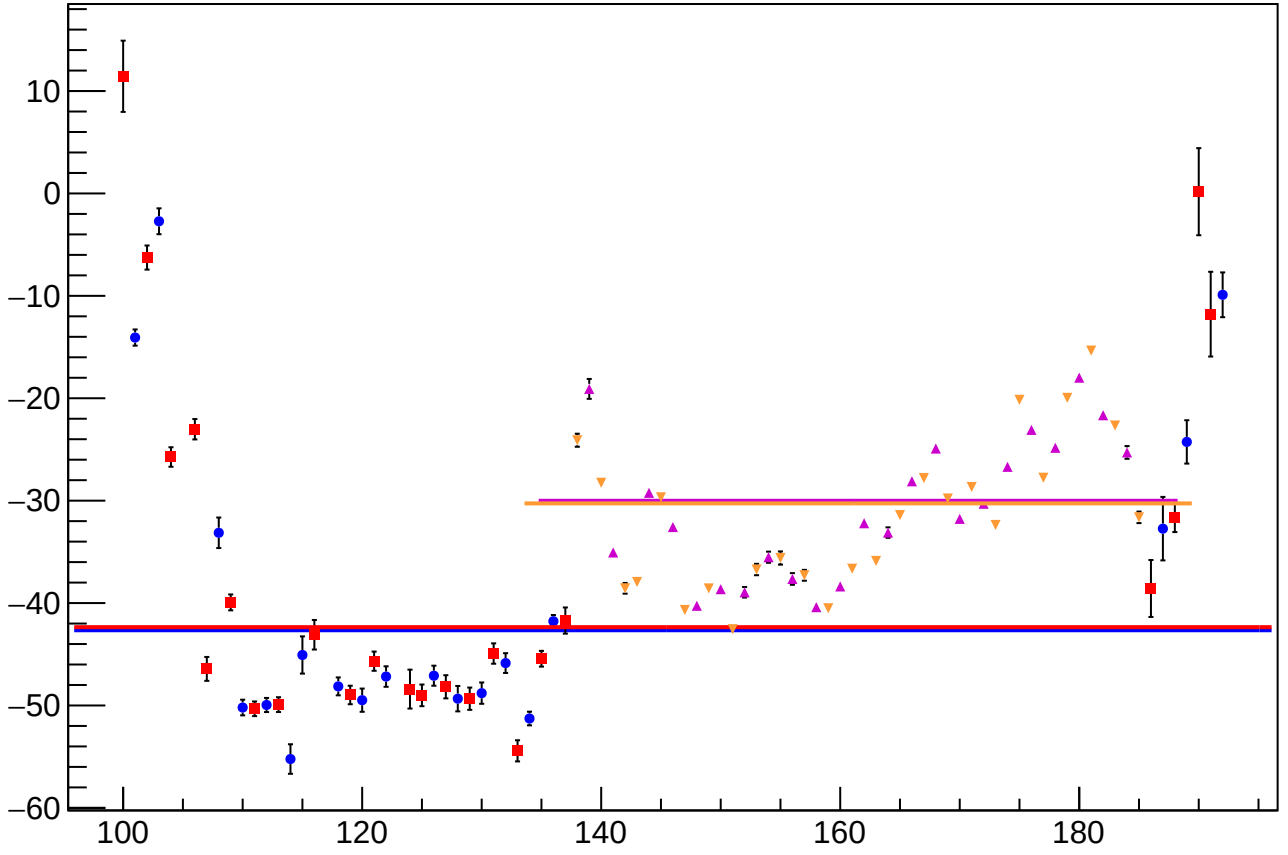
Right: 42.127+/-0.137 χ^2/NDF: 6621.6/41

In: 31.570+/-0.085 χ^2/NDF:24305.8/41

Out: 31.912+/-0.082 χ^2/NDF:28285.0/47

All: 31.747+/-0.059 χ^2/NDF: 52599.3/89

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: -42.354+/-0.225 χ^2/NDF: 2671.0/22

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

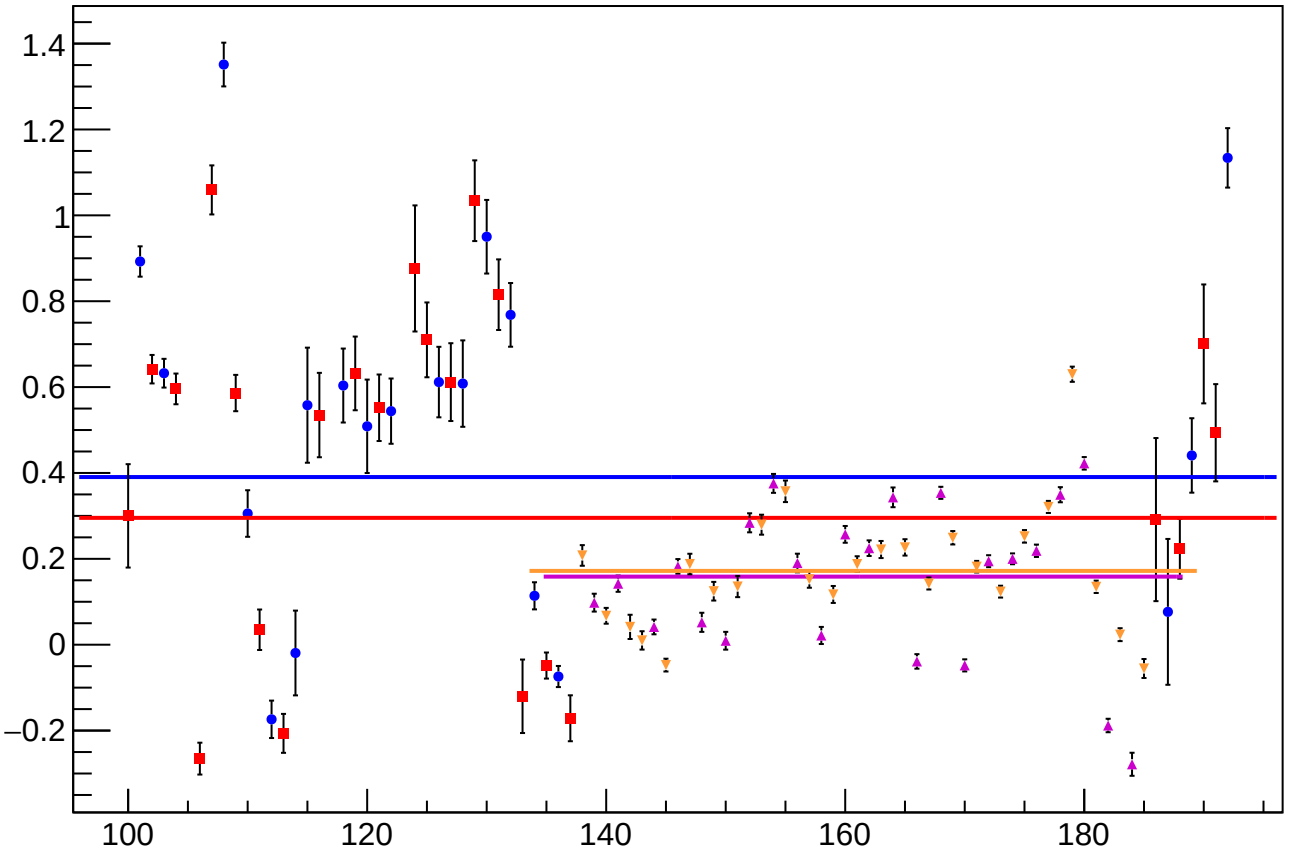
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -42.504+/-0.159 χ^2/NDF: 5974.6/41

In: -31.459+/-0.077 χ^2/NDF:12153.3/41

Out: -31.604+/-0.075 χ^2/NDF:13742.0/47

All: -31.533+/-0.053 χ^2/NDF: 25897.1/89



Right In: 0.390+/-0.012 χ^2/NDF: 1443.3/18

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.295+/-0.012 χ^2/NDF: 1212.0/22

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

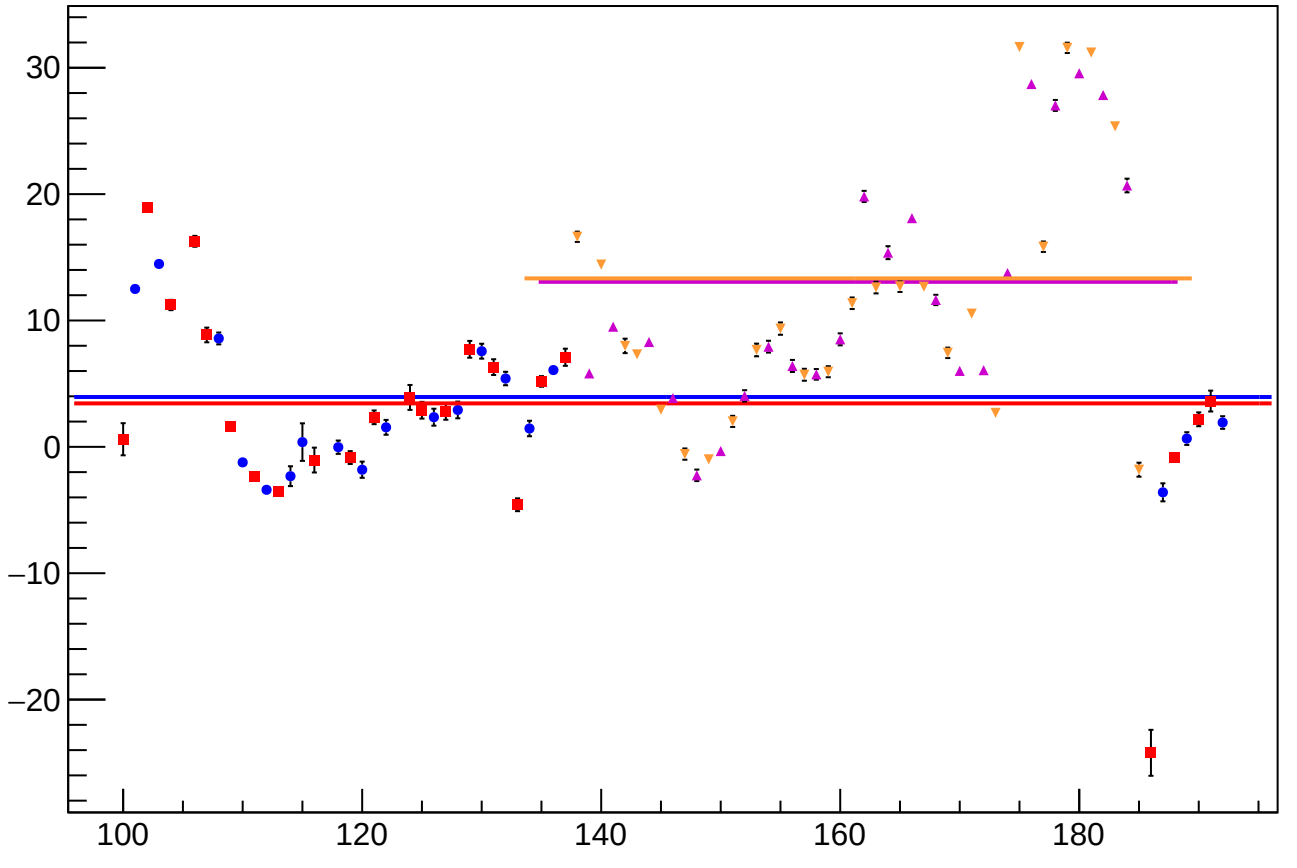
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

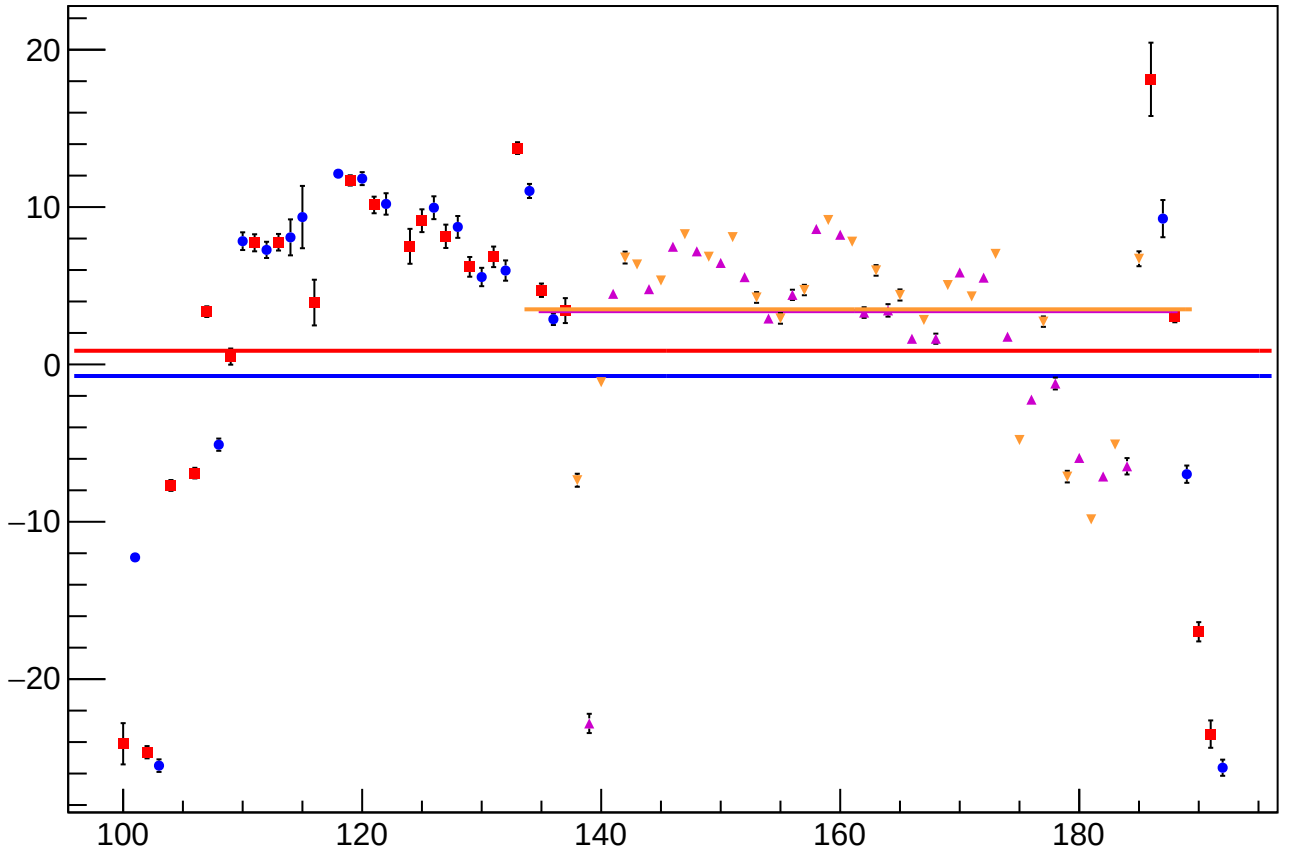
Right: 0.343+/-0.008 χ^2/NDF: 2687.6/41

In: 0.178+/-0.003 χ^2/NDF:3979.6/41

Out: 0.182+/-0.003 χ^2/NDF:2813.9/47

All: 0.180+/-0.002 χ^2/NDF: 6794.1/89


reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
Right In: 3.944+/-0.110 χ²/NDF: 2810.4/18
Left Out: 13.331+/-0.077 χ²/NDF:19432.7/24
Right Out: 3.440+/-0.098 χ²/NDF: 4787.2/22
Left In: 13.061+/-0.079 χ²/NDF:15559.8/22
Left: 13.200+/-0.055 χ²/NDF: 34998.5/47
Right: 3.663+/-0.073 χ²/NDF: 7609.3/41
In: 9.933+/-0.064 χ²/NDF:22902.7/41
Out: 9.570+/-0.060 χ²/NDF:30532.3/47
All: 9.740+/-0.044 χ²/NDF: 53452.0/89



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: 0.868+/-0.104 χ^2/NDF: 11027.1/22

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

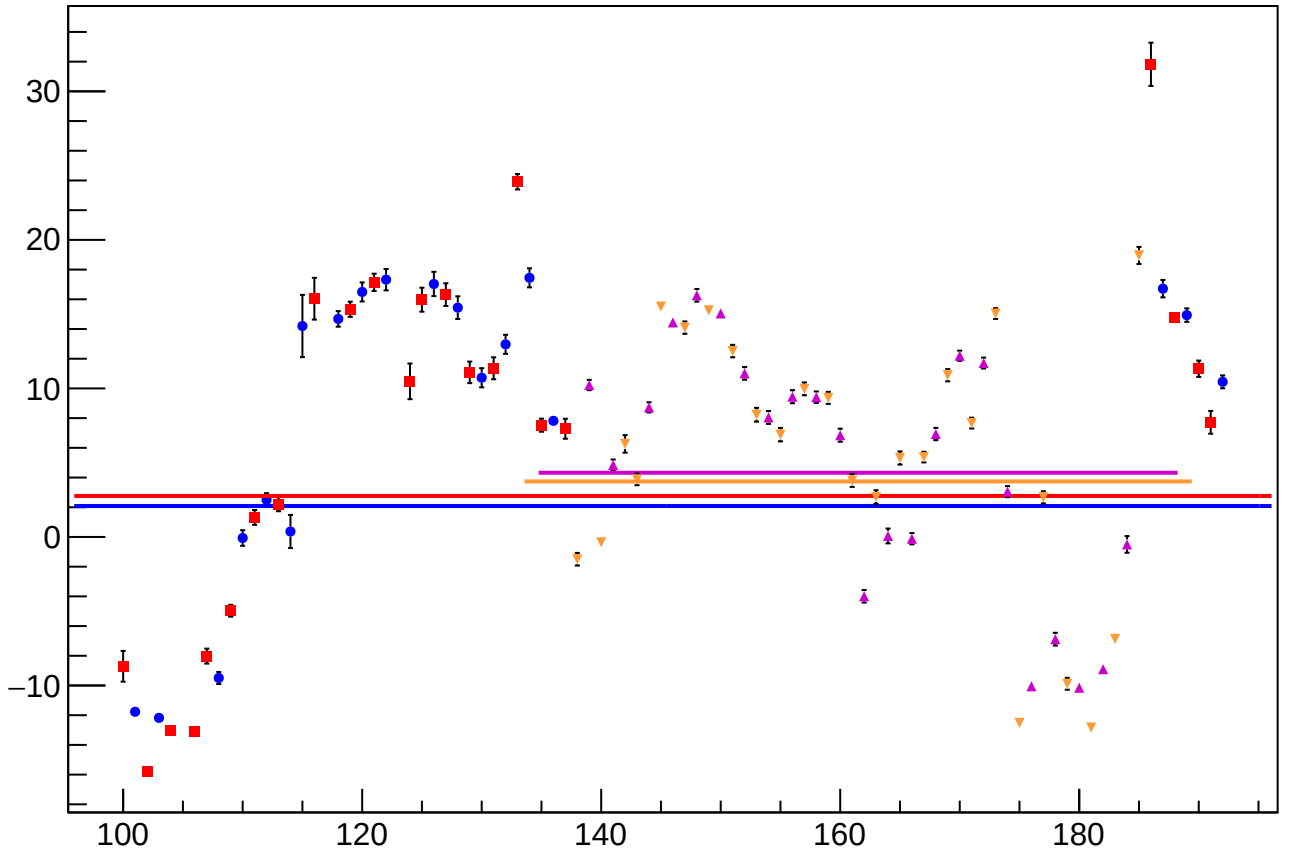
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: 0.112+/-0.076 χ^2/NDF: 24301.7/41

In: 2.420+/-0.053 χ^2/NDF:20939.6/41

Out: 2.869+/-0.051 χ^2/NDF:19424.8/47

All: 2.654+/-0.037 χ^2/NDF: 40401.5/89



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: 2.761+/-0.098 χ^2/NDF: 17467.8/22

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

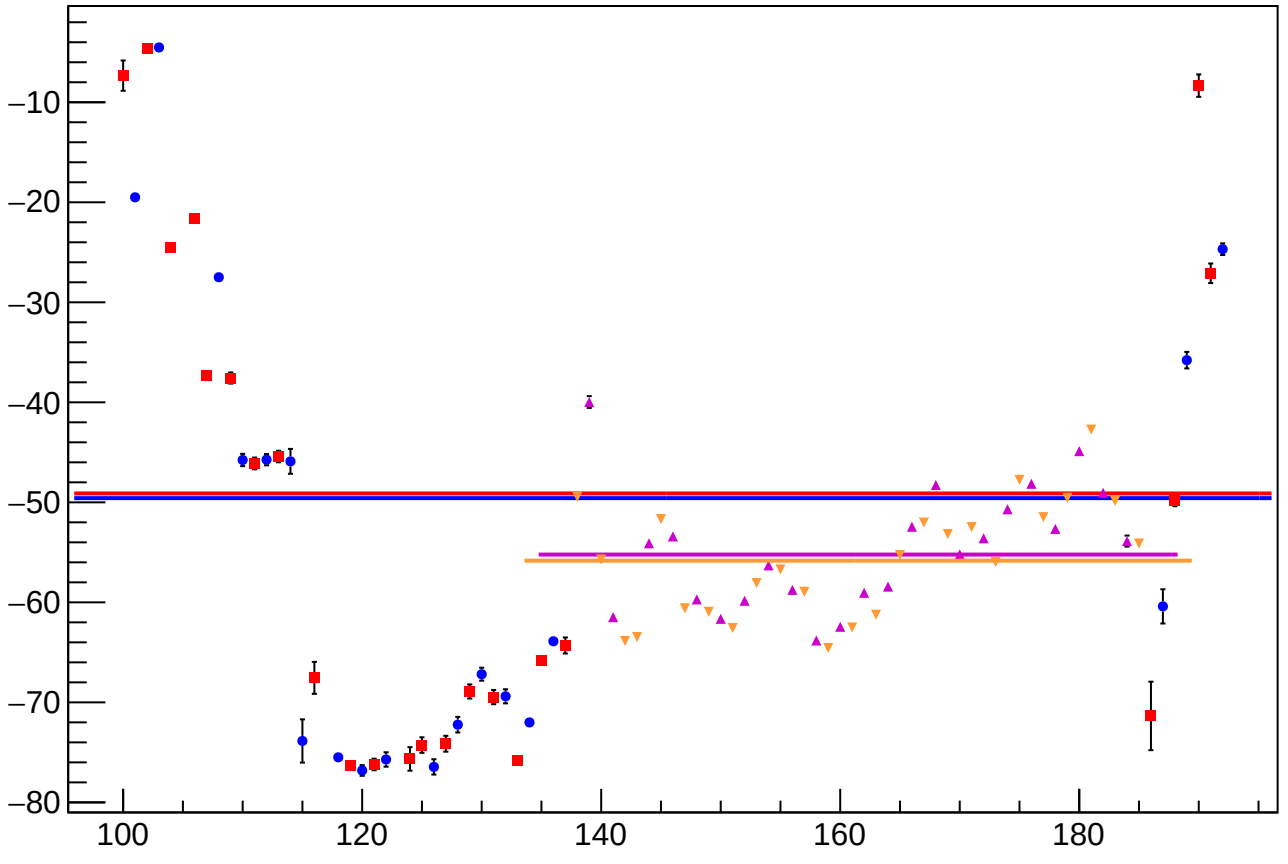
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 2.459+/-0.073 χ^2/NDF: 28868.5/41

In: 3.562+/-0.064 χ^2/NDF:24138.6/41

Out: 3.370+/-0.060 χ^2/NDF:33116.2/47

All: 3.460+/-0.044 χ^2/NDF: 57259.5/89



Right In: -49.580+/-0.130 χ^2/NDF: 36072.7/18

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -49.112+/-0.125 χ^2/NDF: 35807.1/22

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

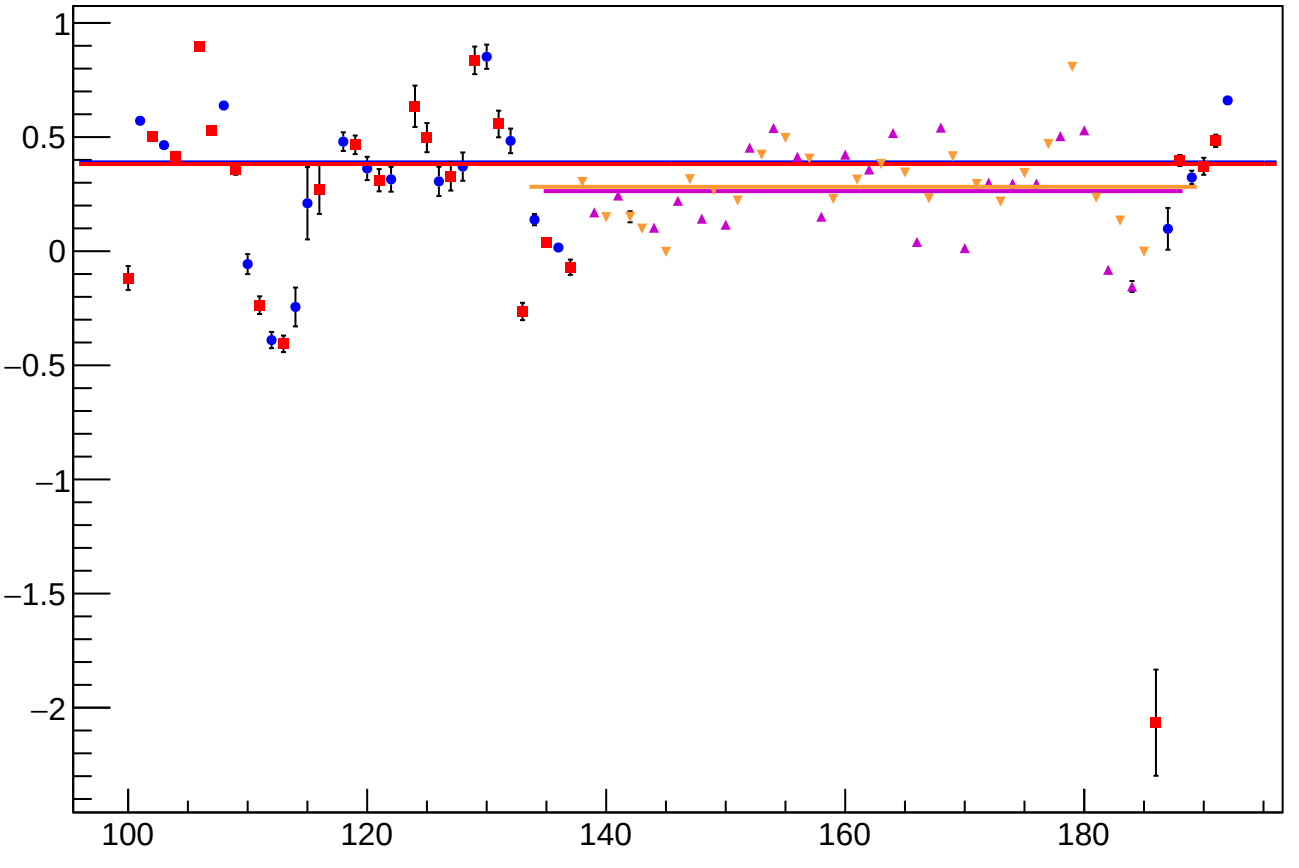
Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

Right: -49.337+/-0.090 χ^2/NDF: 71886.6/41

In: -53.993+/-0.061 χ^2/NDF:43885.1/41

Out: -54.358+/-0.059 χ^2/NDF:45649.3/47

All: -54.182+/-0.042 χ^2/NDF: 89553.2/89



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: 0.382+/-0.006 χ^2/NDF: 2916.6/22

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

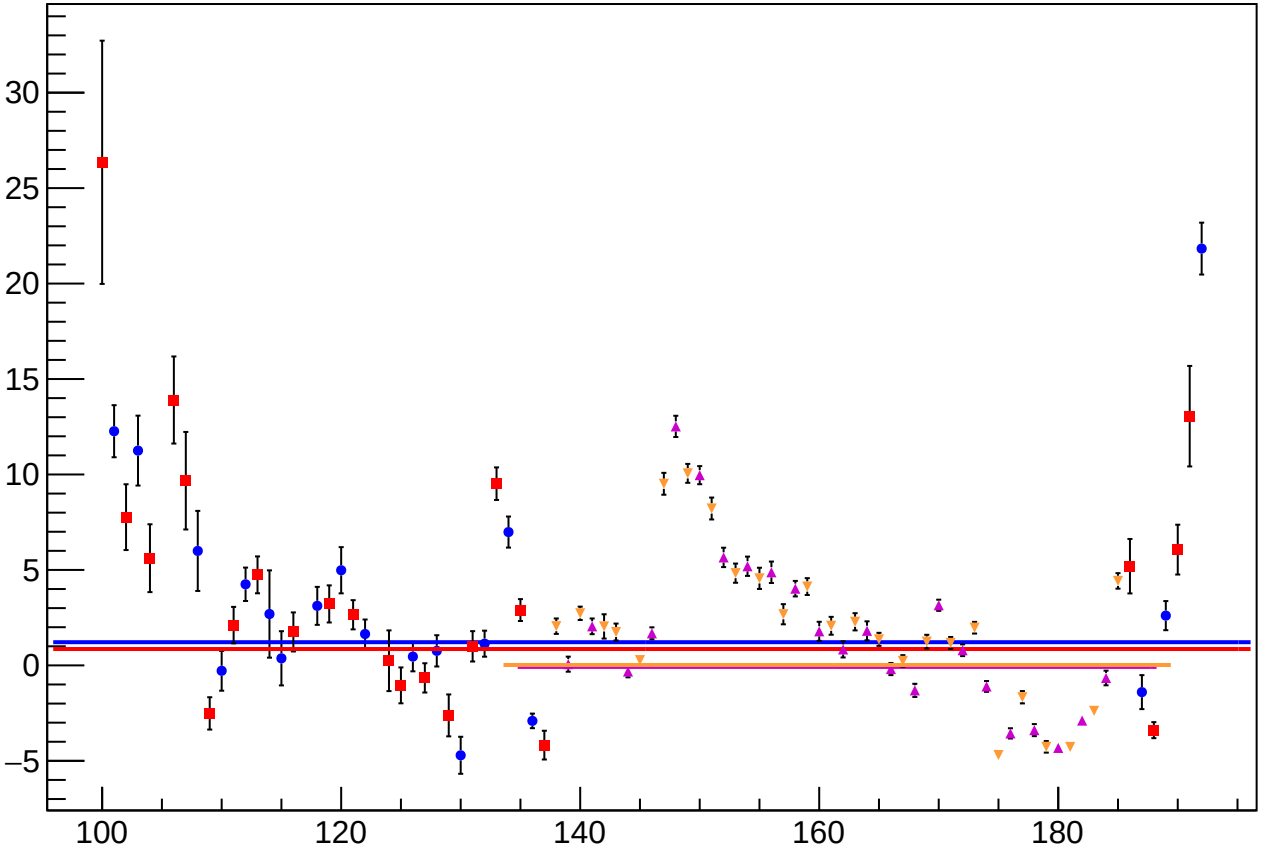
Right: 0.385+/-0.004 χ^2/NDF: 5030.7/41

In: 0.290+/-0.003 χ^2/NDF:6310.8/41

Out: 0.303+/-0.003 χ^2/NDF:5868.4/47

All: 0.297+/-0.002 χ^2/NDF: 12192.5/89

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: 0.857+/-0.192 χ^2/NDF: 457.7/22

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

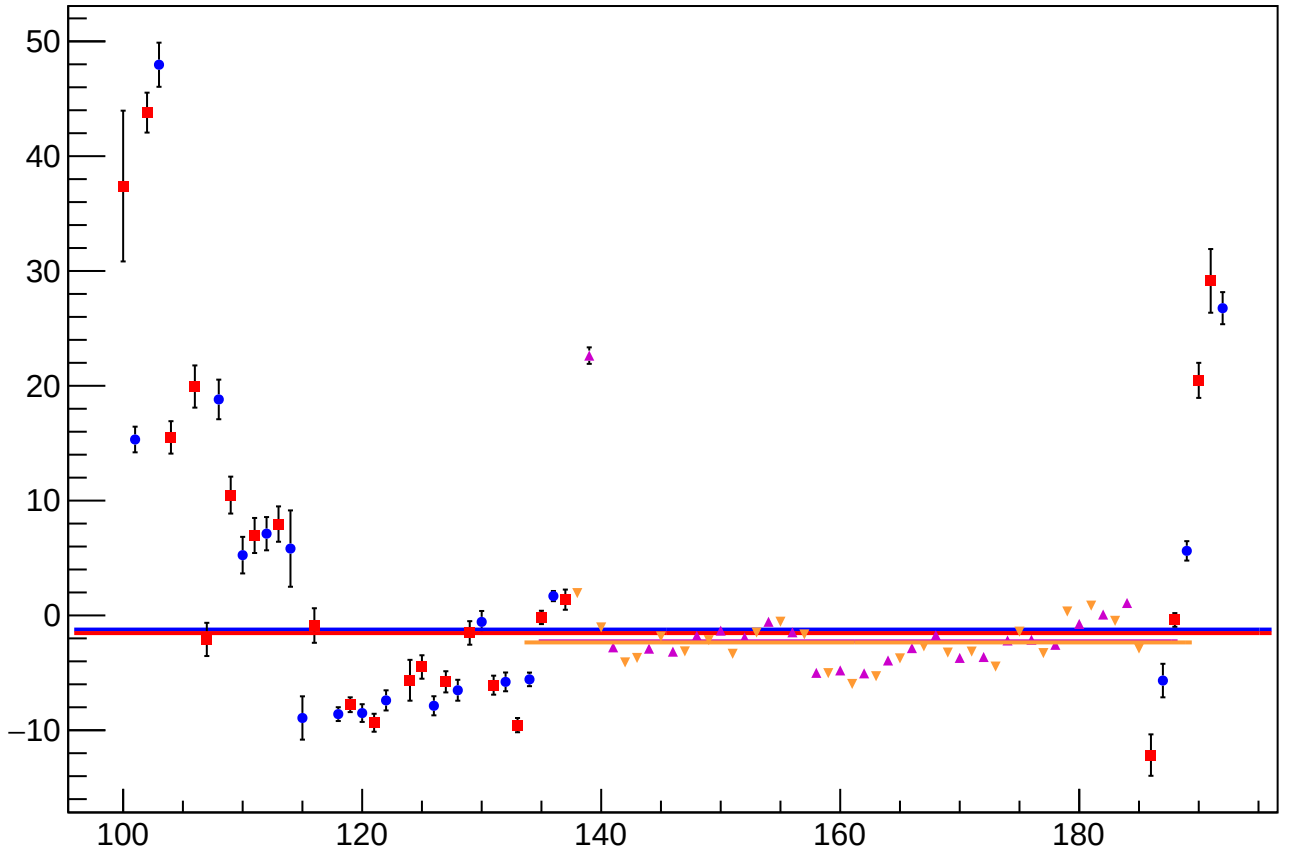
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 1.031+/-0.138 χ^2/NDF: 1036.3/41

In: 0.068+/-0.067 χ^2/NDF:3079.7/41

Out: 0.116+/-0.065 χ^2/NDF:3233.7/47

All: 0.093+/-0.046 χ^2/NDF: 6313.7/89



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: -1.540+/-0.210 χ^2/NDF: 1933.6/22

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

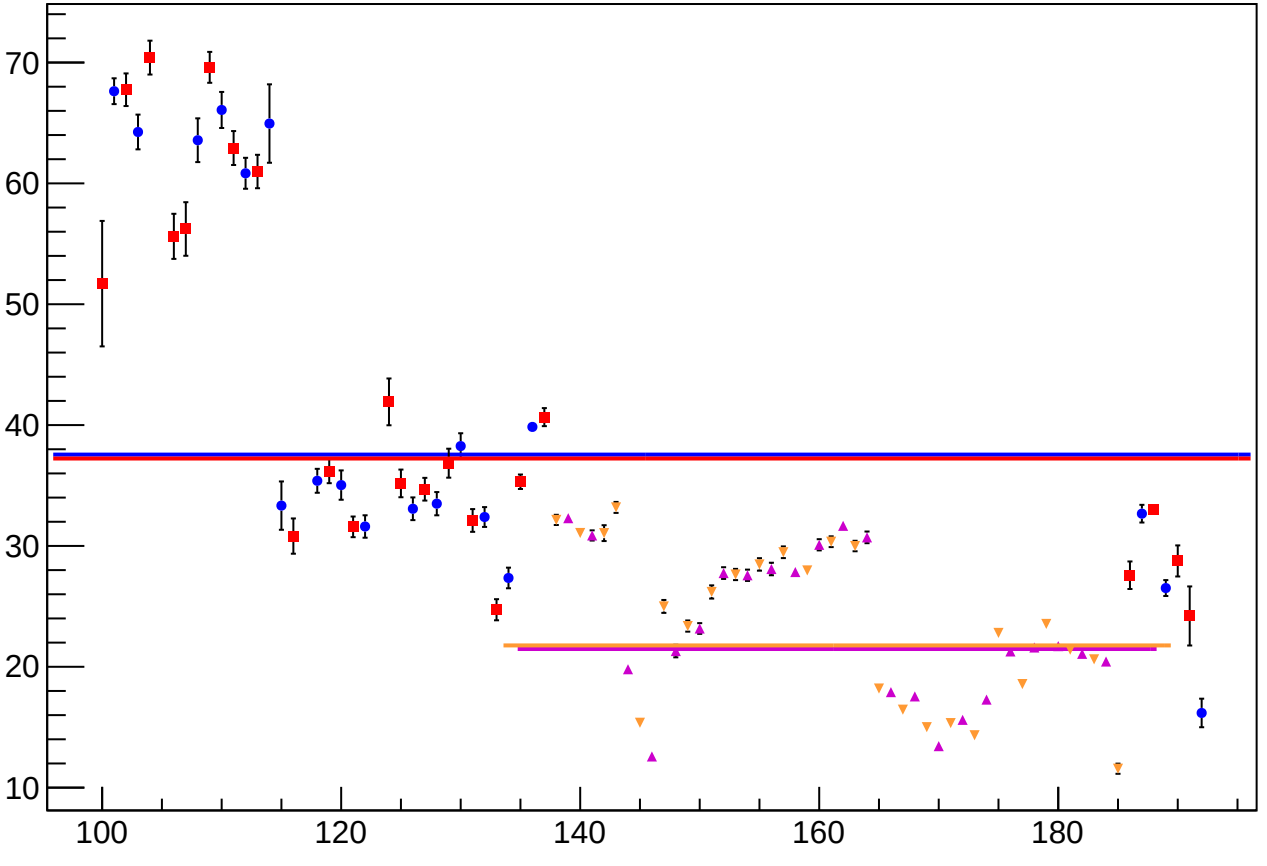
Right: -1.383+/-0.146 χ^2/NDF: 4005.6/41

In: -2.184+/-0.054 χ^2/NDF:3971.5/41

Out: -2.300+/-0.053 χ^2/NDF:3073.3/47

All: -2.243+/-0.038 χ^2/NDF: 7047.1/89

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 37.233+/-0.195 χ^2/NDF: 3169.2/22

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

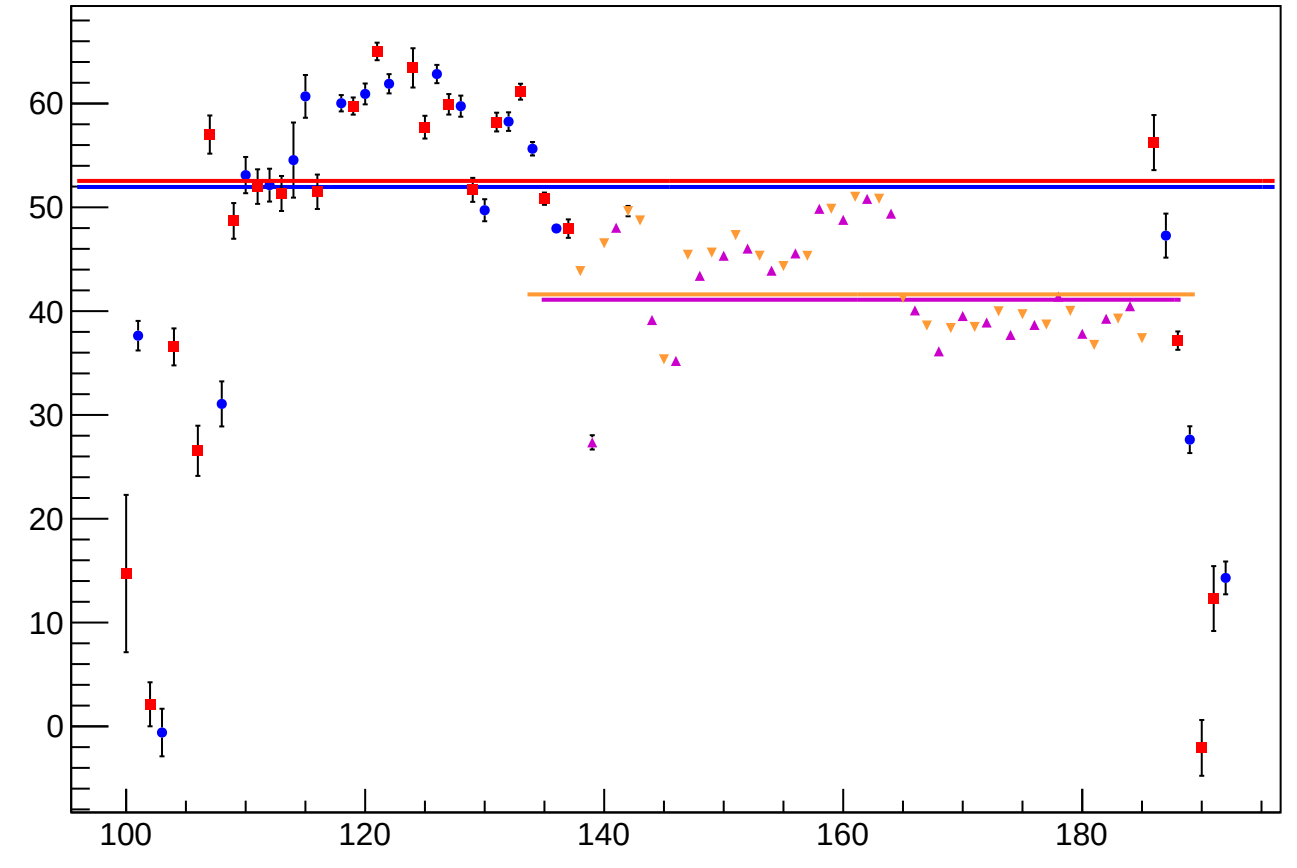
Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

Right: 37.387+/-0.142 χ^2/NDF: 6248.7/41

In: 23.163+/-0.067 χ^2/NDF:14321.2/41

Out: 23.478+/-0.065 χ^2/NDF:15560.4/47

All: 23.325+/-0.047 χ^2/NDF: 29893.1/89



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: 52.545+/-0.243 χ^2/NDF: 2287.4/22

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

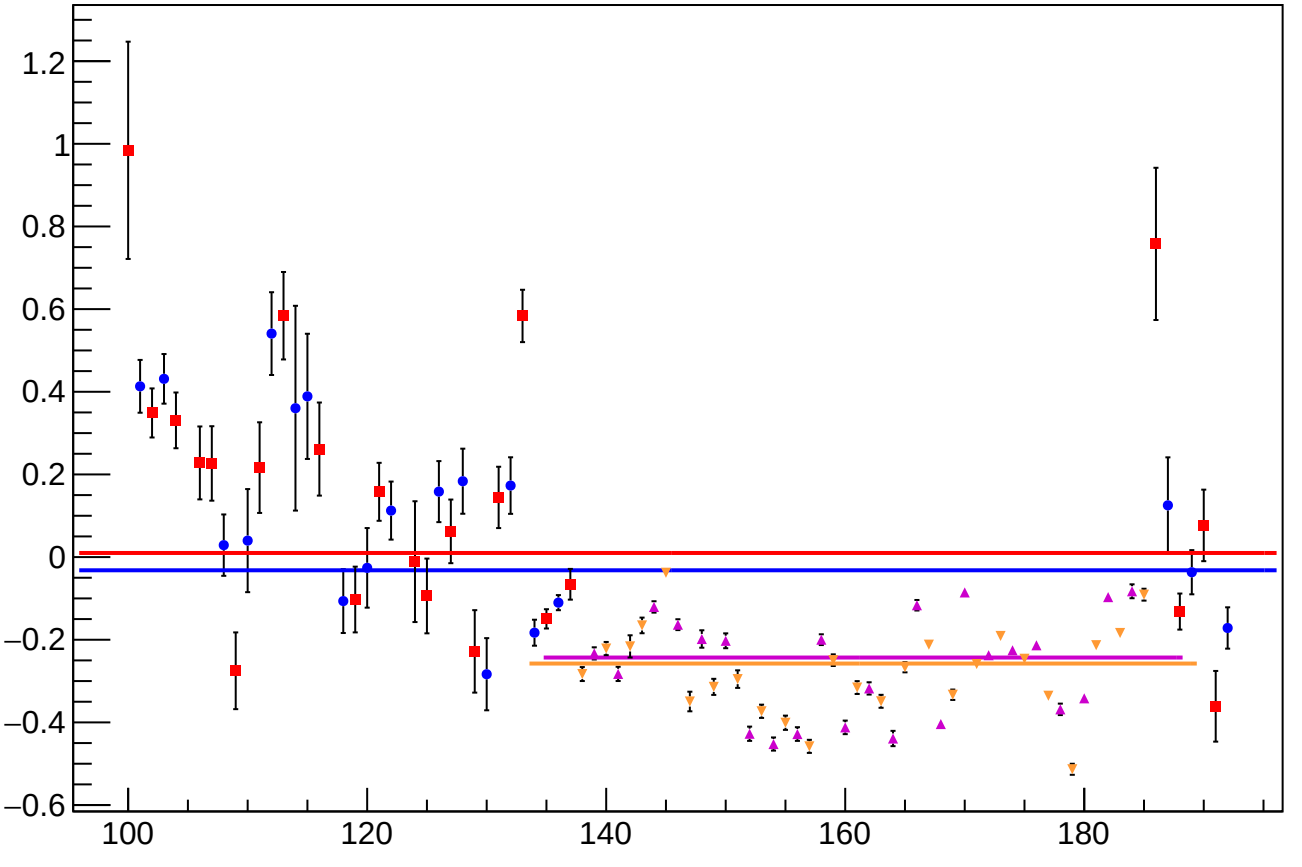
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 52.238+/-0.168 χ^2/NDF: 4634.9/41

In: 41.842+/-0.060 χ^2/NDF:9881.0/41

Out: 42.265+/-0.059 χ^2/NDF:9962.9/47

All: 42.057+/-0.042 χ^2/NDF: 19868.9/89



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: 0.010+/-0.013 χ^2/NDF: 324.7/22

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

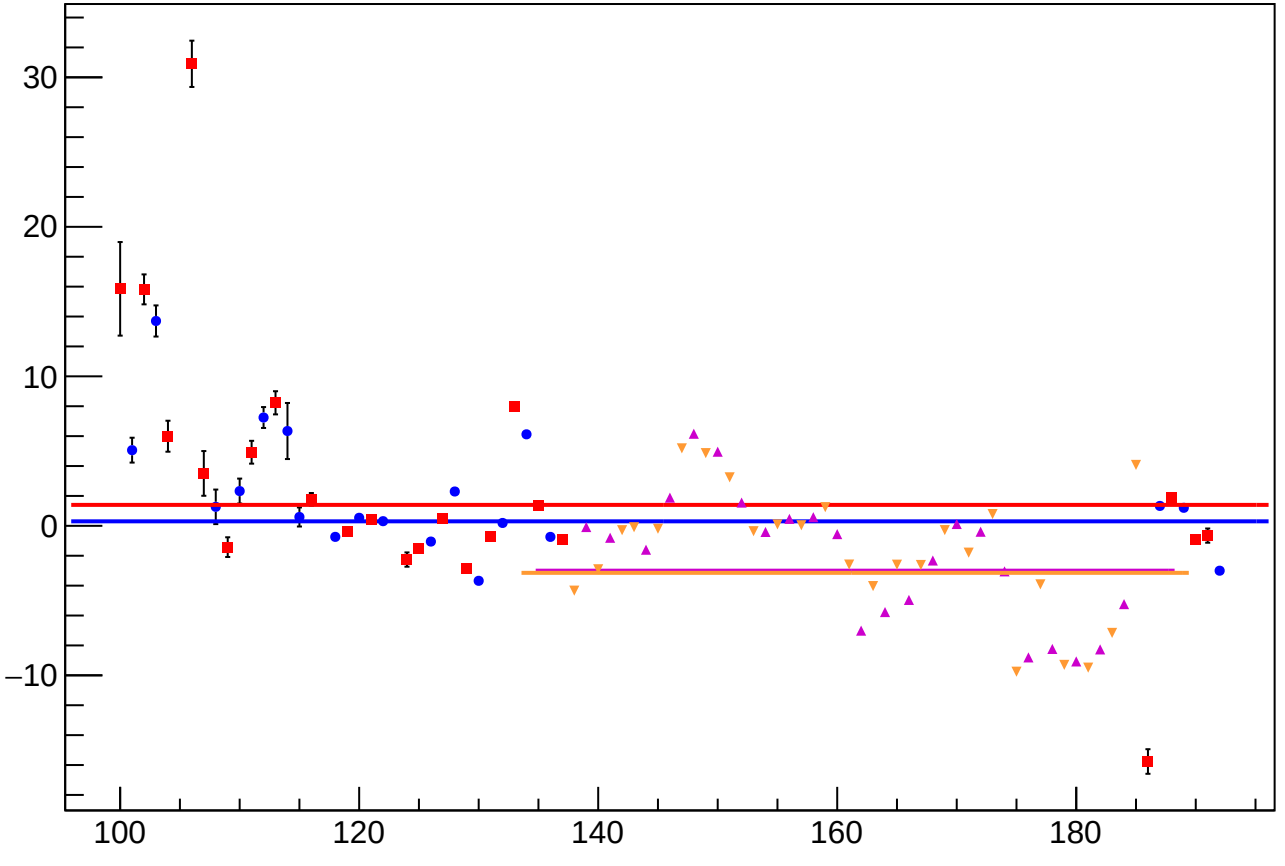
Right: -0.013+/-0.009 χ^2/NDF: 569.9/41

In: -0.232+/-0.003 χ^2/NDF:2344.5/41

Out: -0.247+/-0.003 χ^2/NDF:2234.7/47

All: -0.240+/-0.002 χ^2/NDF: 4593.4/89

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: 1.401+/-0.064 χ^2/NDF: 2935.1/22

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

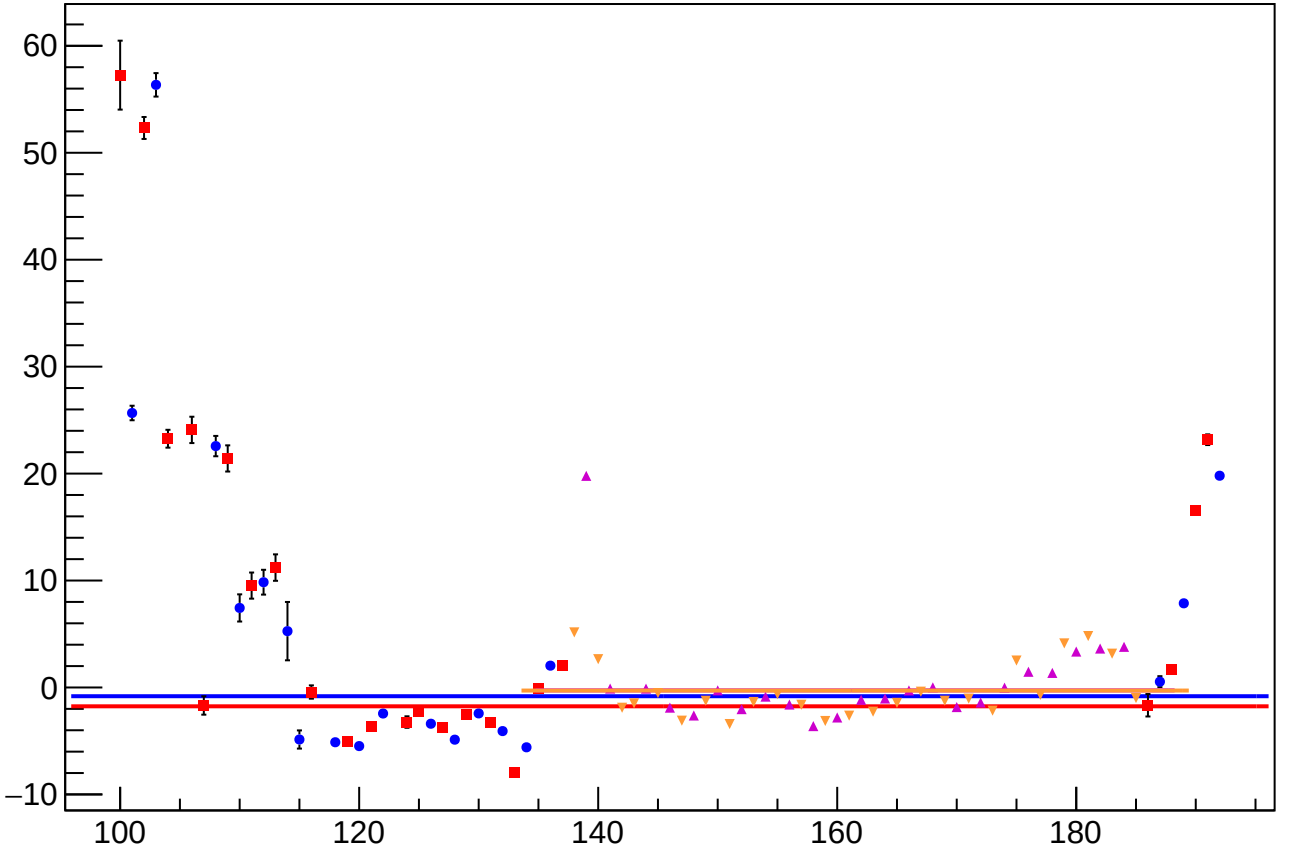
Right: 0.899+/-0.047 χ^2/NDF: 4335.2/41

In: -2.523+/-0.026 χ^2/NDF:25630.2/41

Out: -2.417+/-0.025 χ^2/NDF:32594.7/47

All: -2.468+/-0.018 χ^2/NDF: 58233.2/89

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -1.761+/-0.064 χ^2/NDF: 13018.5/22

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

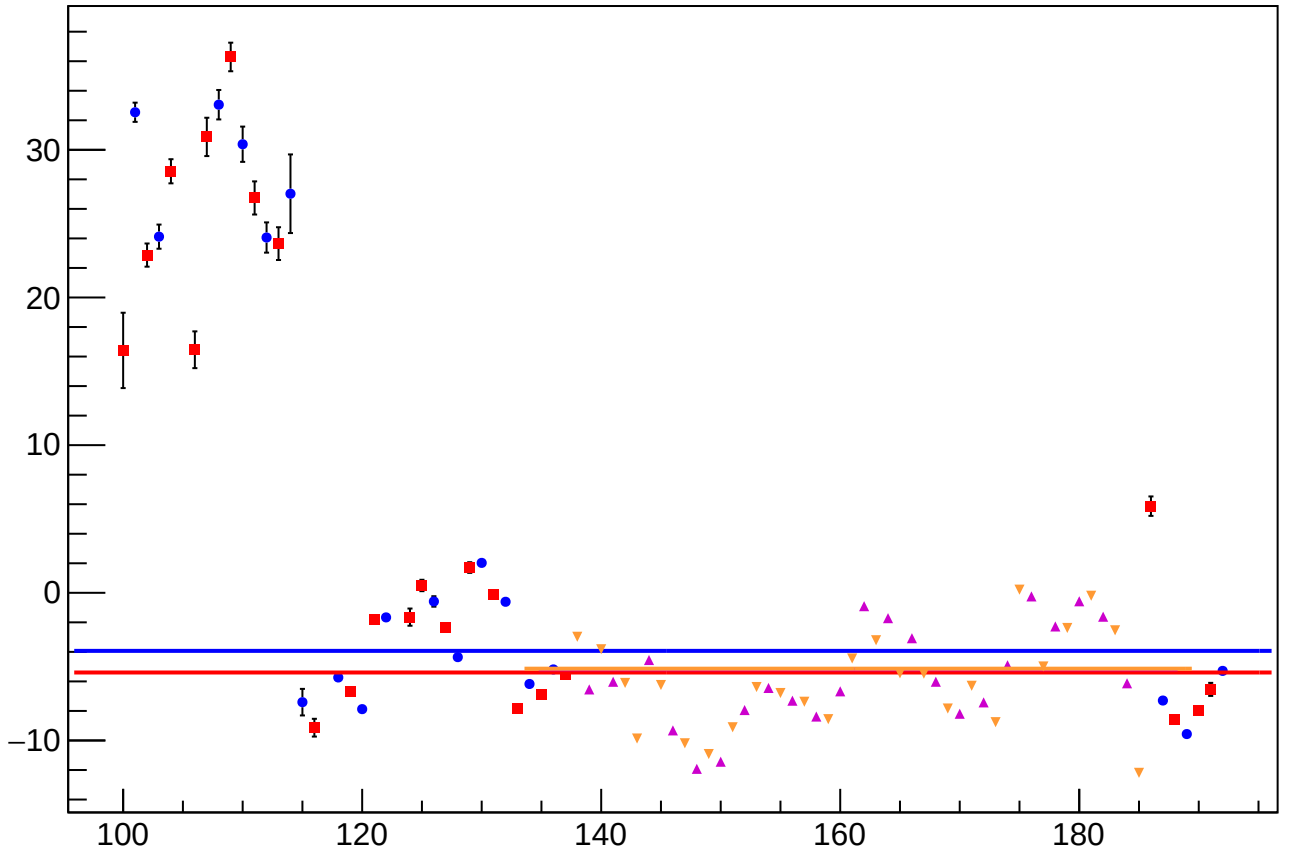
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

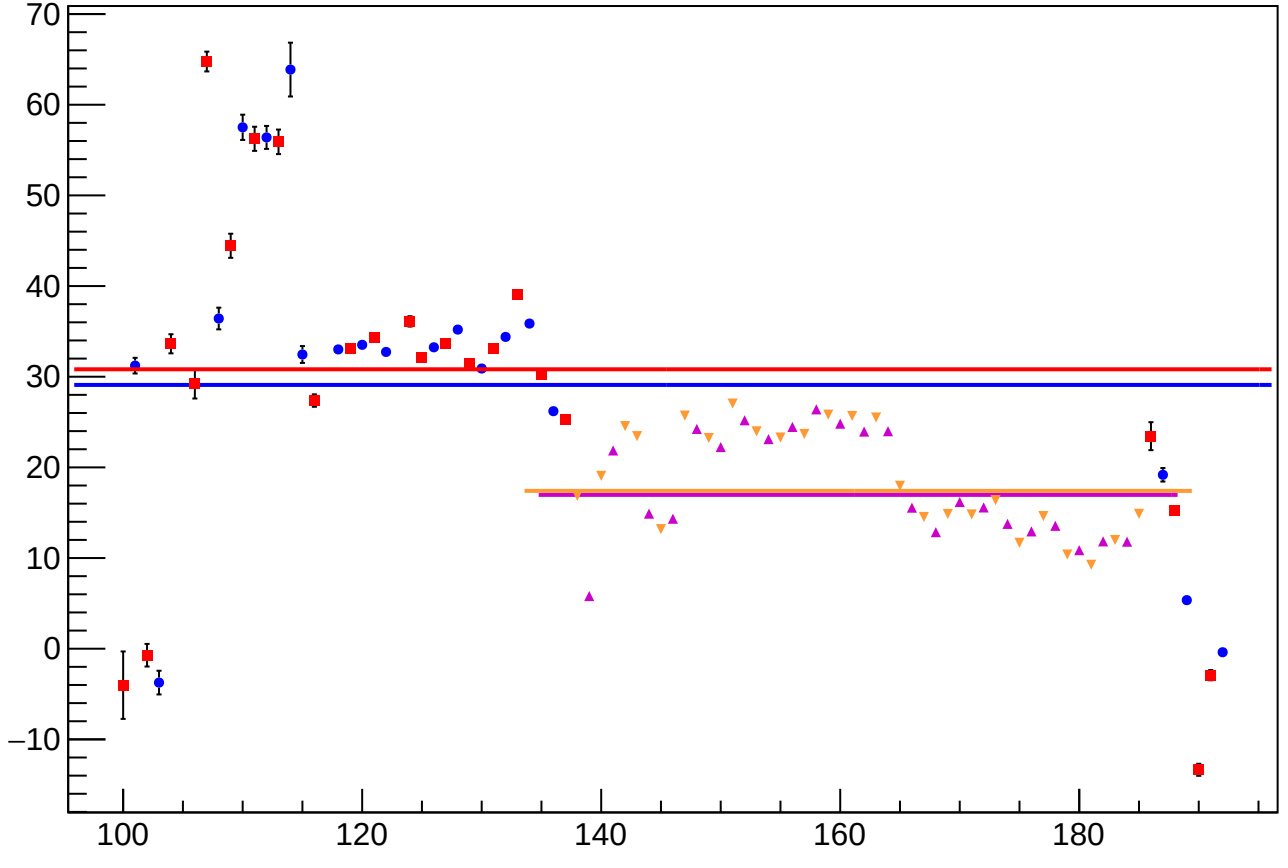
Right: -1.303+/-0.046 χ^2/NDF: 27148.1/41

In: -0.327+/-0.021 χ^2/NDF:27306.6/41

Out: -0.441+/-0.021 χ^2/NDF:25691.3/47

All: -0.385+/-0.015 χ^2/NDF: 53012.9/89


reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
120
140
160
180
Right In: -3.932+/-0.071 χ²/NDF: 9310.5/18
Left Out: -5.138+/-0.028 χ²/NDF:14626.0/24
Right Out: -5.396+/-0.062 χ²/NDF: 10457.3/22
Left In: -5.177+/-0.028 χ²/NDF:13963.7/22
Left: -5.157+/-0.020 χ²/NDF: 28590.7/47
Right: -4.763+/-0.047 χ²/NDF: 20009.4/41
In: -5.005+/-0.026 χ²/NDF:23539.6/41
Out: -5.181+/-0.025 χ²/NDF:25097.7/47
All: -5.097+/-0.018 χ²/NDF: 48660.5/89



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: 30.819+/-0.076 χ^2/NDF: 17447.1/22

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

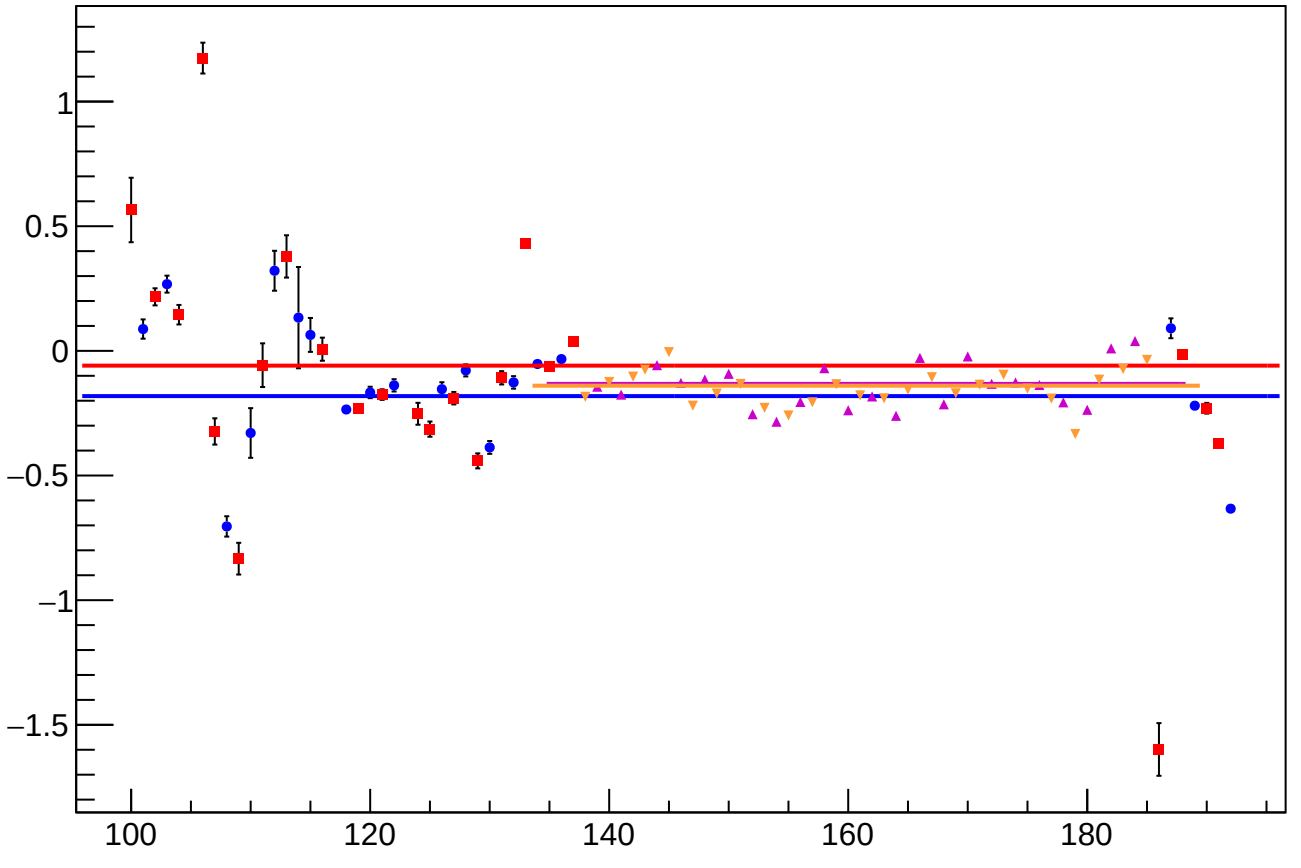
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 29.964+/-0.054 χ^2/NDF: 34195.3/41

In: 18.126+/-0.024 χ^2/NDF:78899.9/41

Out: 18.656+/-0.023 χ^2/NDF:96059.3/47

All: 18.397+/-0.017 χ^2/NDF: 175213.2/89



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: -0.059+/-0.004 χ^2/NDF: 3035.9/22

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

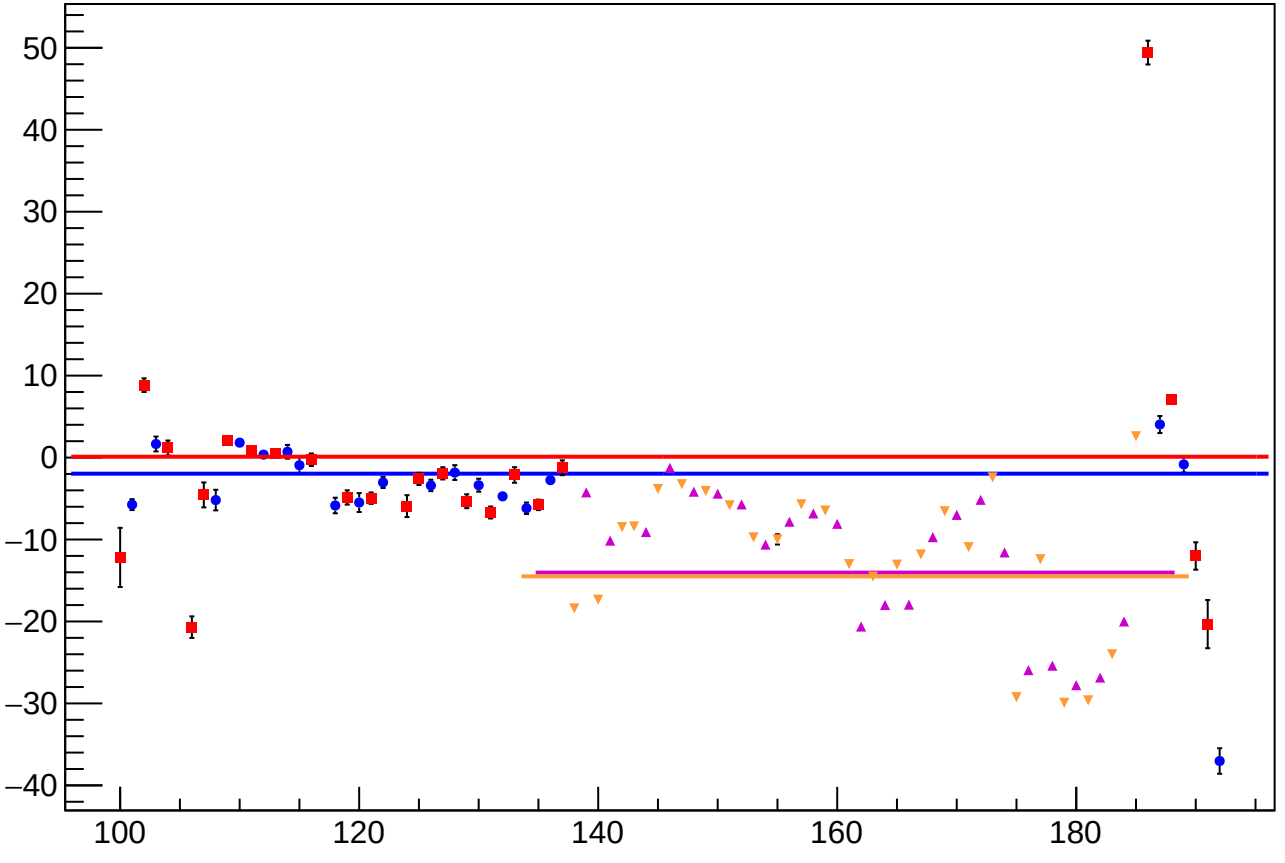
Right: -0.124+/-0.003 χ^2/NDF: 6540.4/41

In: -0.136+/-0.001 χ^2/NDF:8758.6/41

Out: -0.135+/-0.001 χ^2/NDF:7455.9/47

All: -0.135+/-0.001 χ^2/NDF: 16214.8/89

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: 0.106+/-0.141 χ^2/NDF: 2194.8/22

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

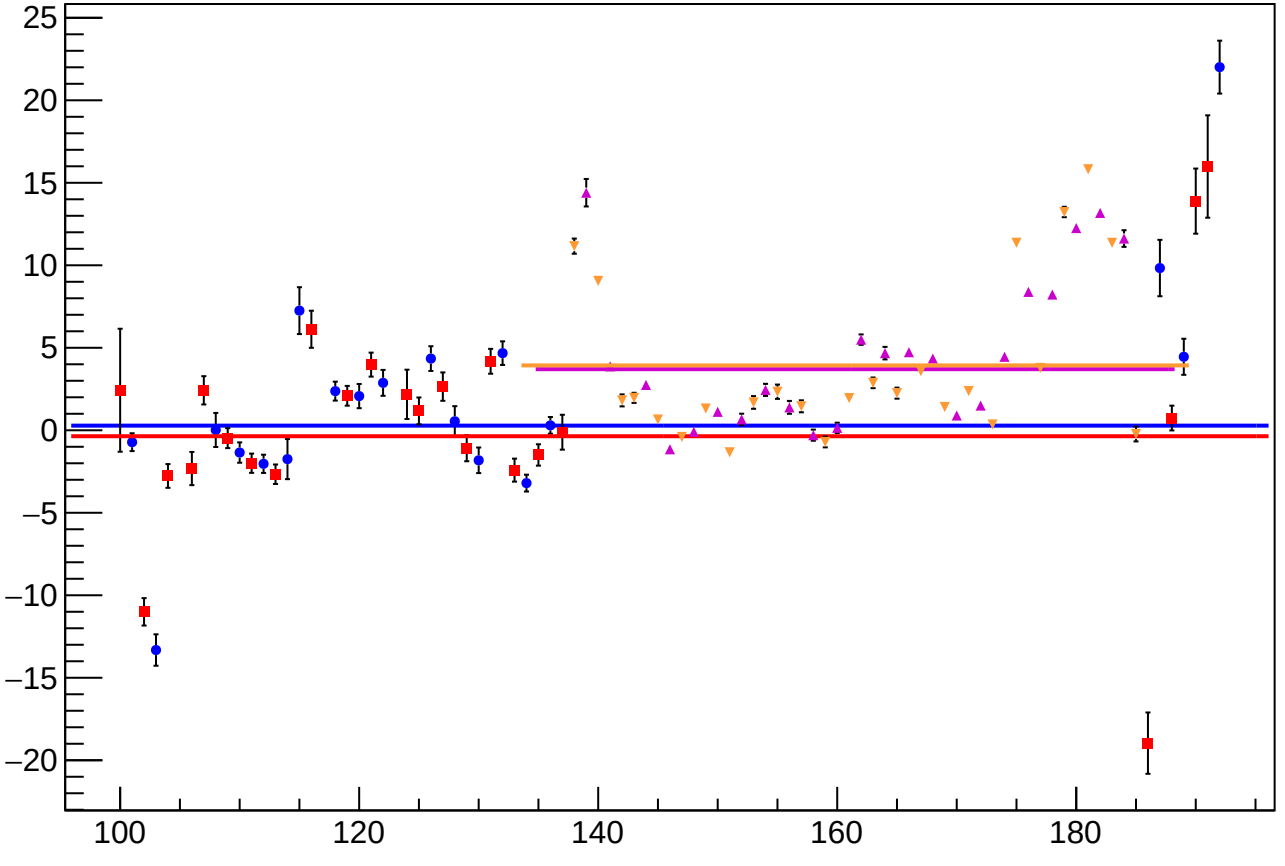
Right: -0.851+/-0.104 χ^2/NDF: 3133.2/41

In: -11.601+/-0.069 χ^2/NDF:19307.1/41

Out: -11.307+/-0.066 χ^2/NDF:27751.2/47

All: -11.449+/-0.048 χ^2/NDF: 47067.8/89

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: -0.361+/-0.171 χ^2/NDF: 548.7/22

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

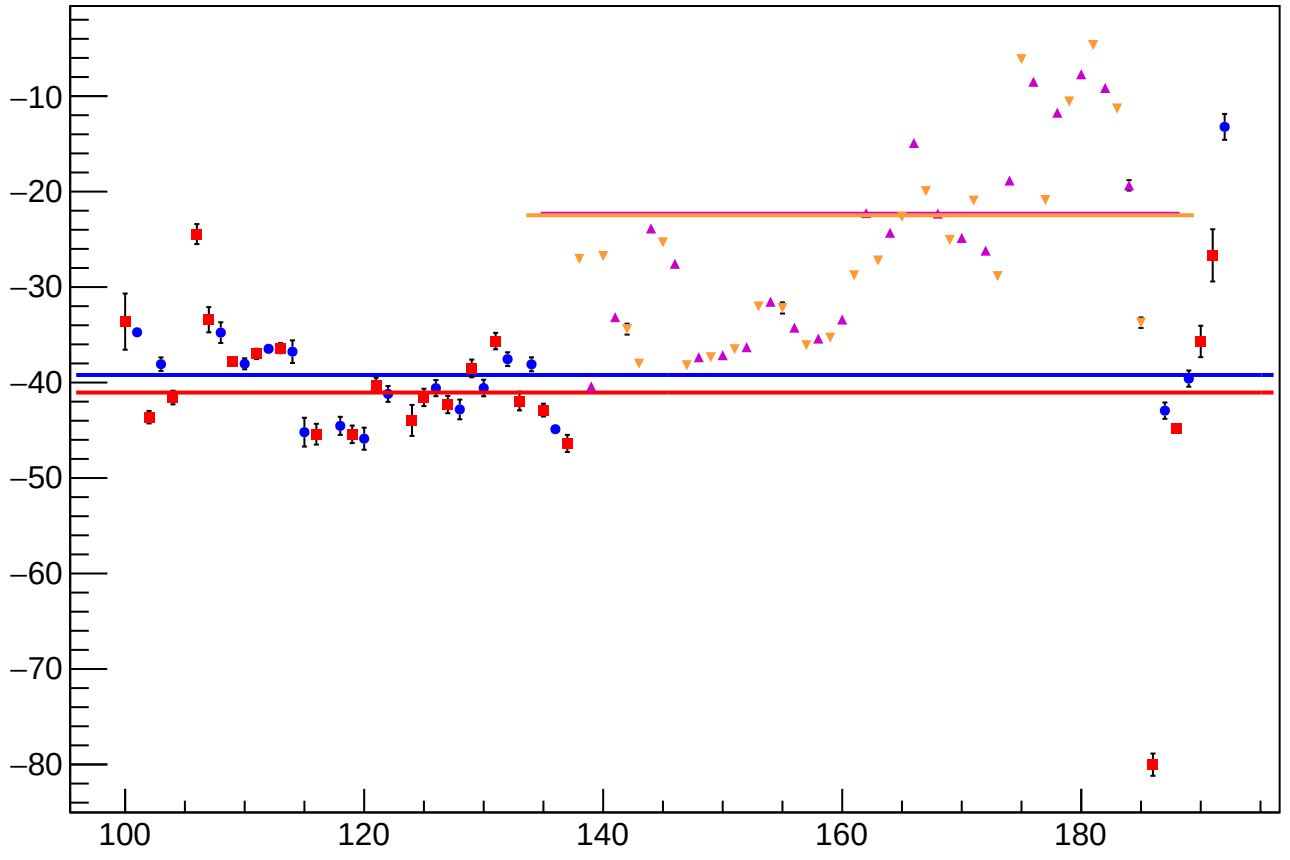
Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

Right: -0.036+/-0.120 χ^2/NDF: 1195.4/41

In: 3.328+/-0.056 χ^2/NDF:5792.7/41

Out: 3.489+/-0.055 χ^2/NDF:8094.2/47

All: 3.411+/-0.039 χ^2/NDF: 13891.2/89



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: -41.046+/-0.164 χ^2/NDF: 1851.0/22

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

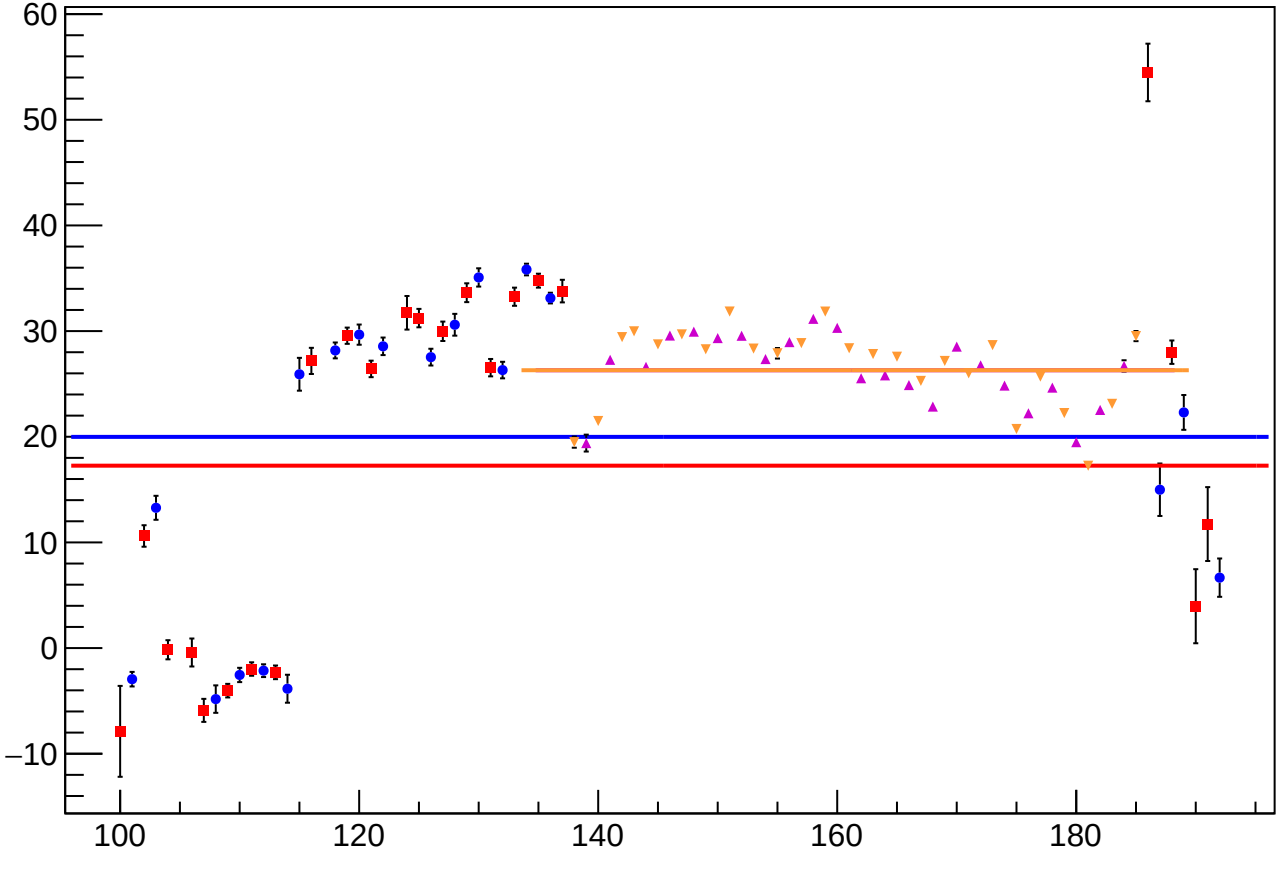
Right: -40.167+/-0.118 χ^2/NDF: 2709.5/41

In: -25.134+/-0.070 χ^2/NDF:26029.5/41

Out: -25.676+/-0.068 χ^2/NDF:32887.7/47

All: -25.413+/-0.049 χ^2/NDF: 58948.0/89

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: 17.263+/-0.195 χ^2/NDF: 7042.5/22

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

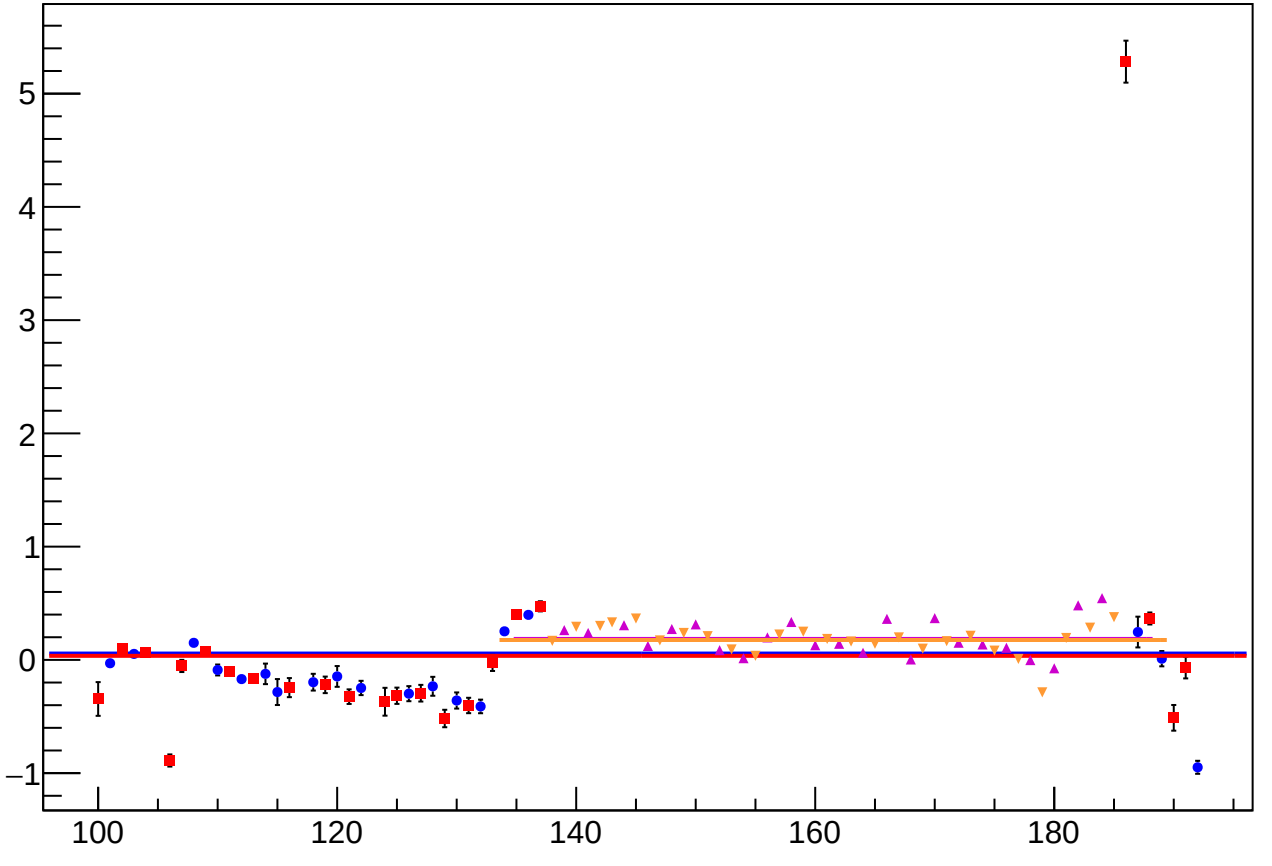
Right: 18.652+/-0.137 χ^2/NDF: 13886.8/41

In: 25.613+/-0.063 χ^2/NDF:9895.8/41

Out: 25.394+/-0.062 χ^2/NDF:12273.6/47

All: 25.501+/-0.044 χ^2/NDF: 22175.6/89

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: 0.036+/-0.011 χ^2/NDF: 1704.9/22

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

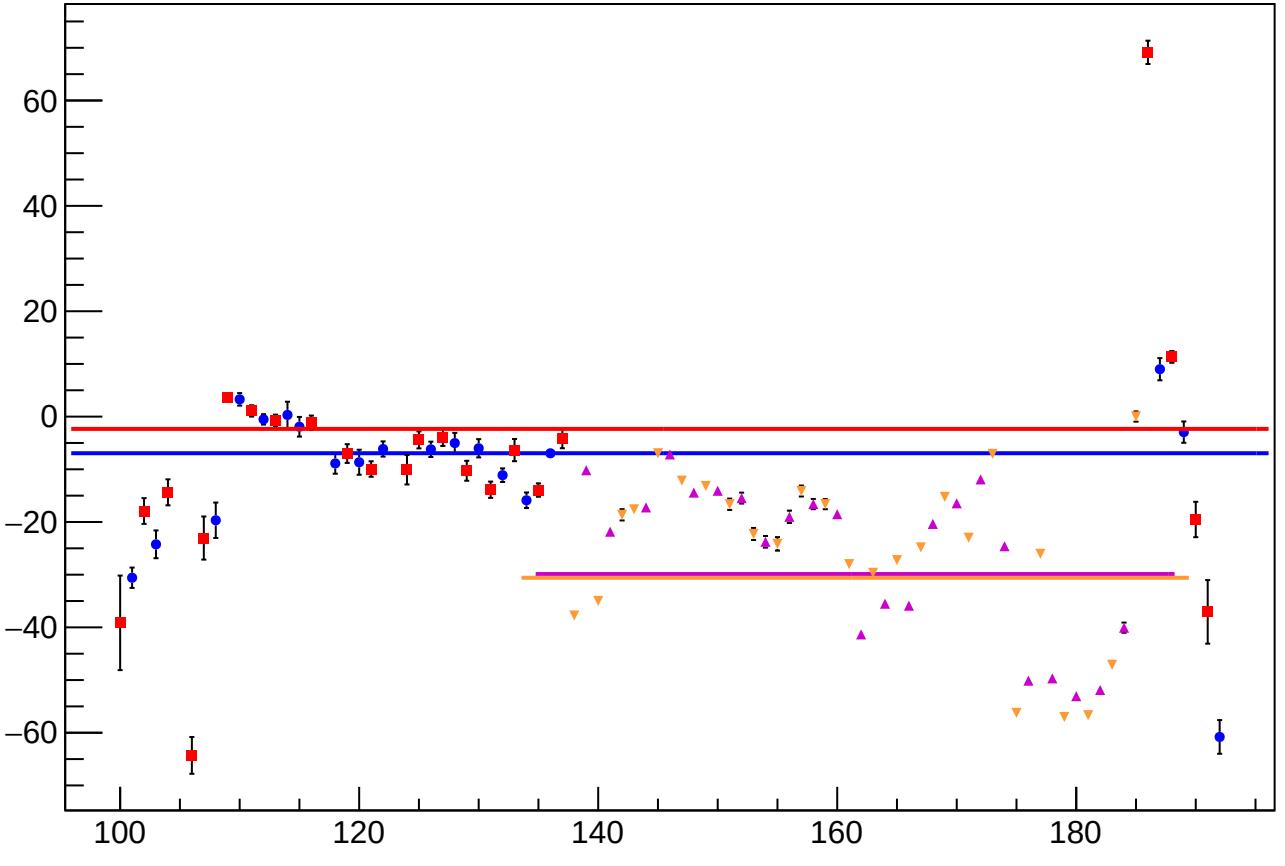
Right: 0.046+/-0.007 χ^2/NDF: 2589.2/41

In: 0.175+/-0.003 χ^2/NDF:3571.2/41

Out: 0.166+/-0.003 χ^2/NDF:3800.7/47

All: 0.170+/-0.002 χ^2/NDF: 7376.7/89

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: -2.332+/-0.344 χ^2/NDF: 1931.5/22

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

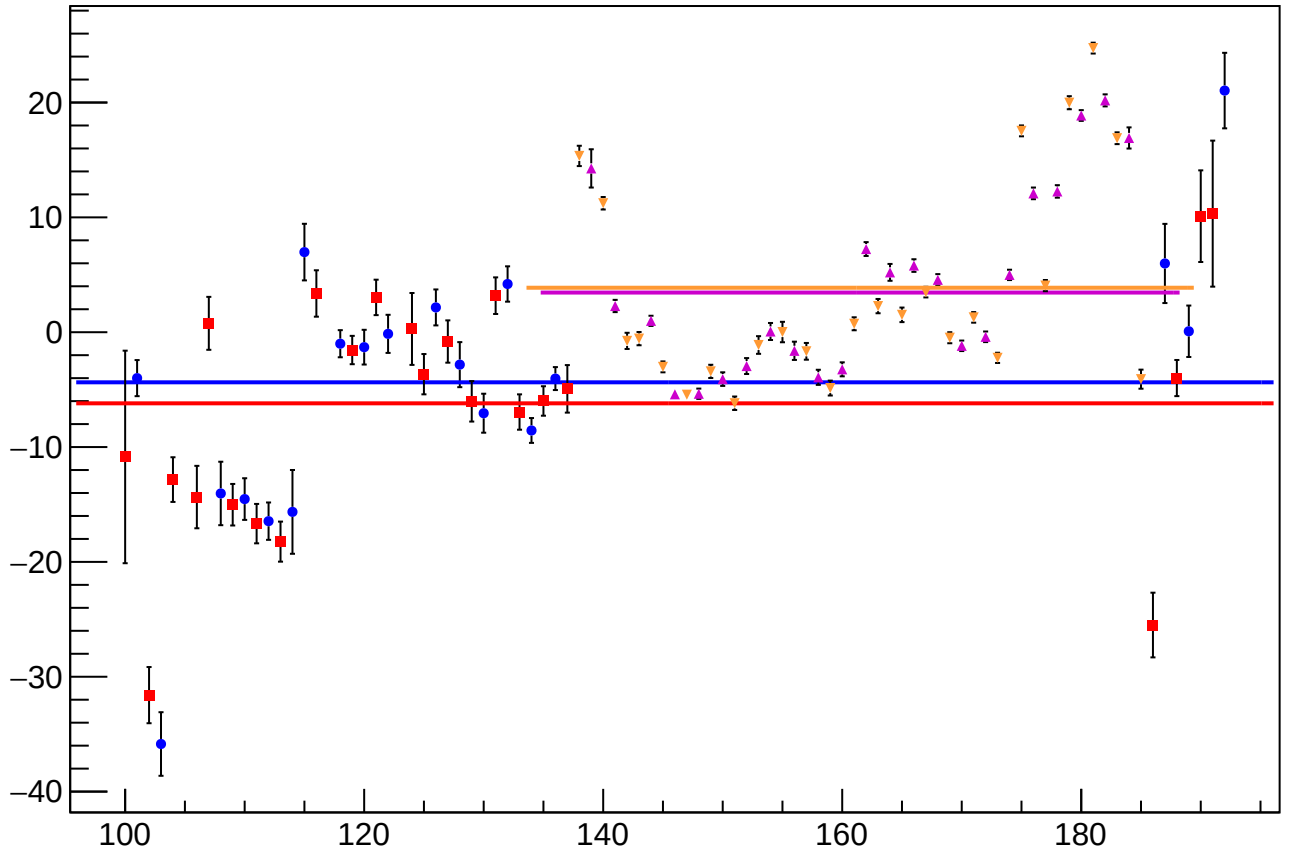
Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

Right: -4.524+/-0.249 χ^2/NDF: 2752.3/41

In: -26.653+/-0.136 χ^2/NDF:16228.3/41

Out: -26.458+/-0.131 χ^2/NDF:23752.8/47

All: -26.552+/-0.094 χ^2/NDF: 39982.2/89



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: -6.192+/-0.396 χ^2/NDF: 441.5/22

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

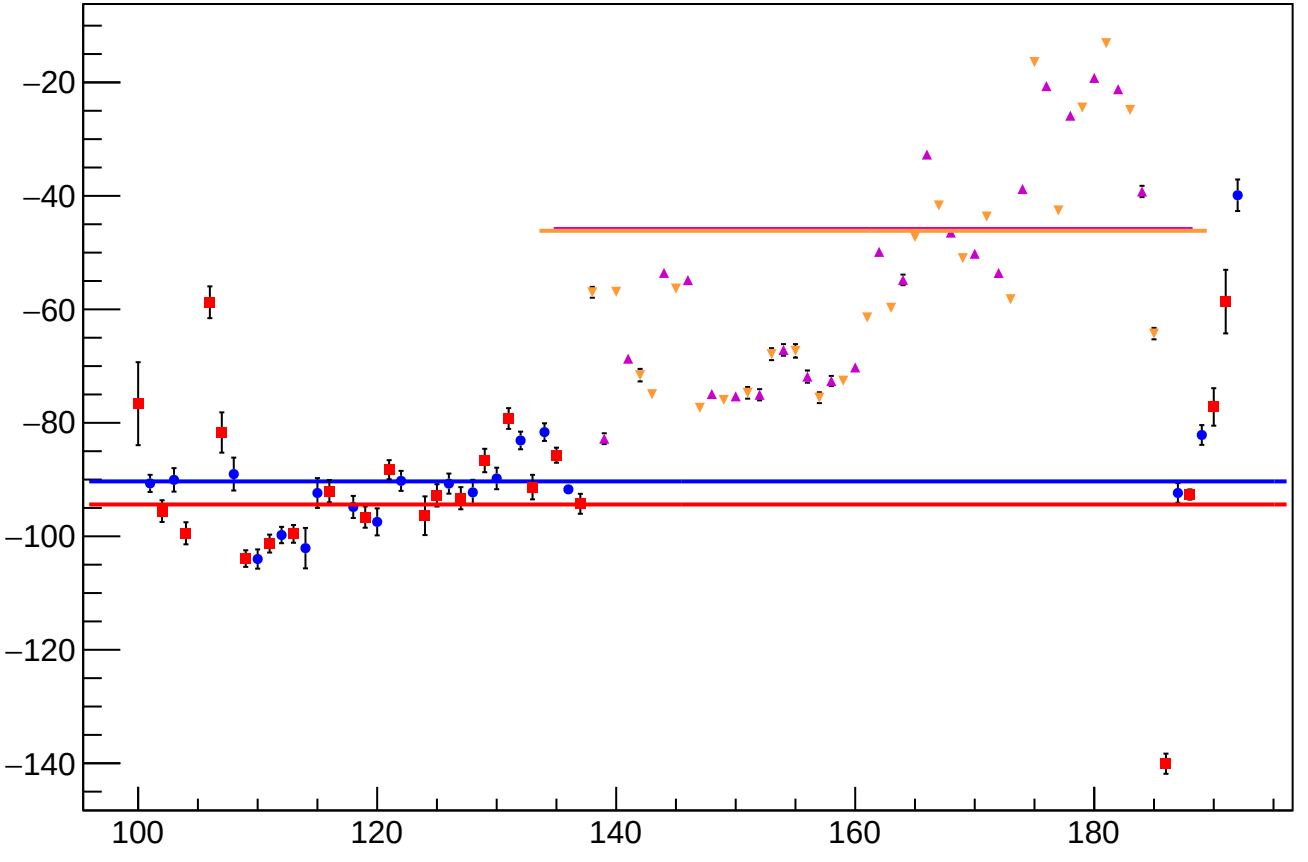
Right: -5.250+/-0.276 χ^2/NDF: 869.5/41

In: 2.824+/-0.109 χ^2/NDF:5491.3/41

Out: 3.137+/-0.107 χ^2/NDF:7582.7/47

All: 2.983+/-0.076 χ^2/NDF: 13078.2/89

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -94.390+/-0.382 χ^2/NDF: 1138.0/22

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

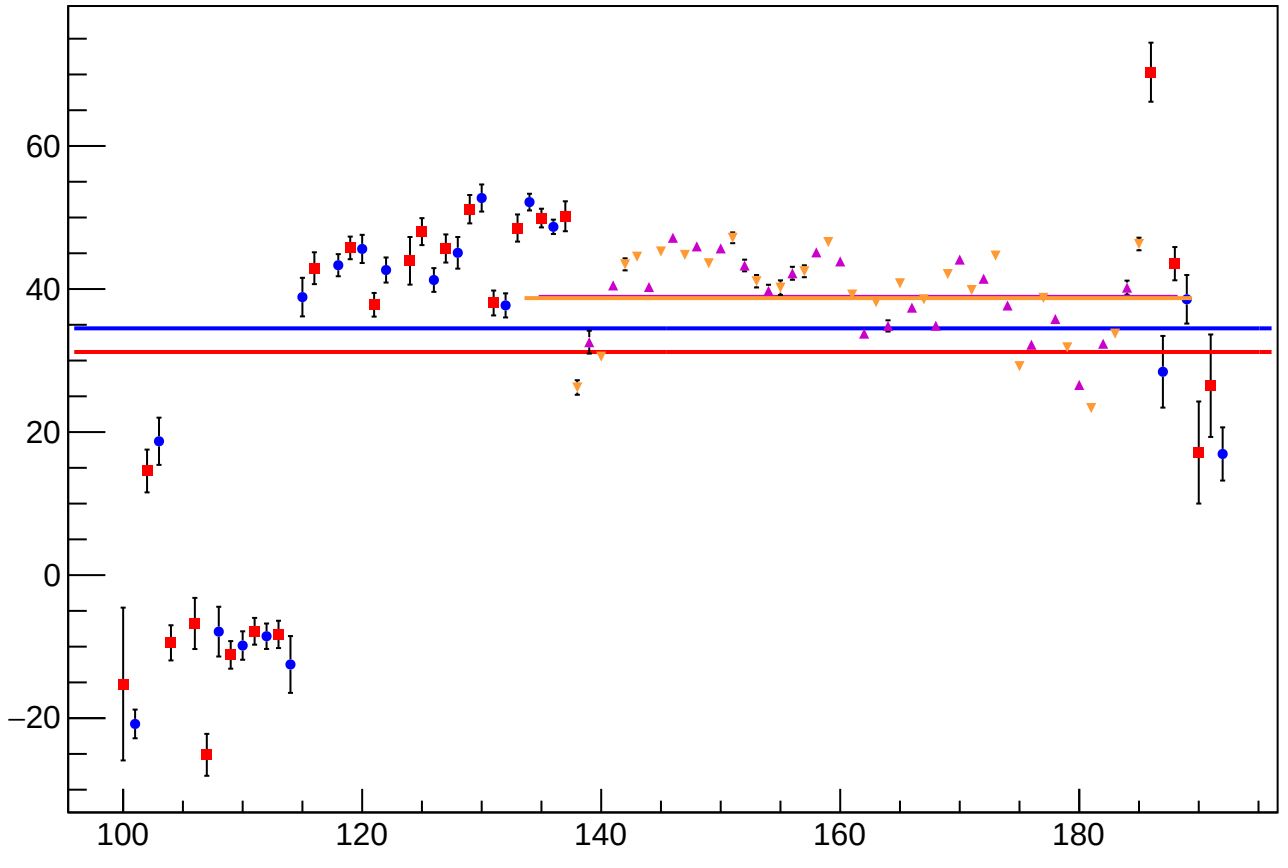
Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

Right: -92.434+/-0.275 χ^2/NDF: 1735.4/41

In: -51.141+/-0.137 χ^2/NDF:29543.5/41

Out: -52.047+/-0.133 χ^2/NDF:36612.3/47

All: -51.606+/-0.096 χ^2/NDF: 66178.2/89



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: 31.198+/-0.453 χ^2/NDF: 3037.4/22

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

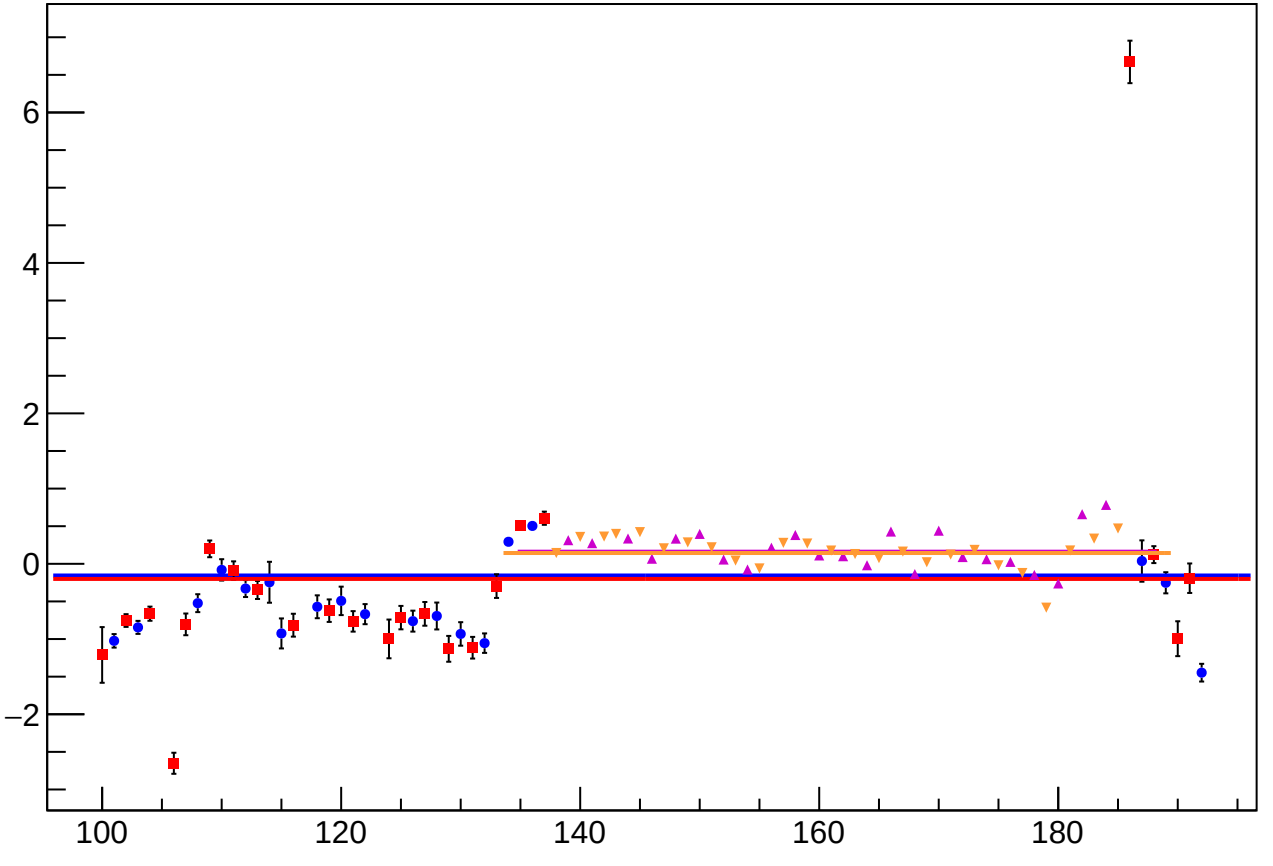
Right: 32.924+/-0.313 χ^2/NDF: 5899.7/41

In: 38.555+/-0.122 χ^2/NDF:4901.1/41

Out: 38.202+/-0.120 χ^2/NDF:6075.8/47

All: 38.375+/-0.086 χ^2/NDF: 10981.1/89

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: -0.201+/-0.025 χ^2/NDF: 1440.9/22

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

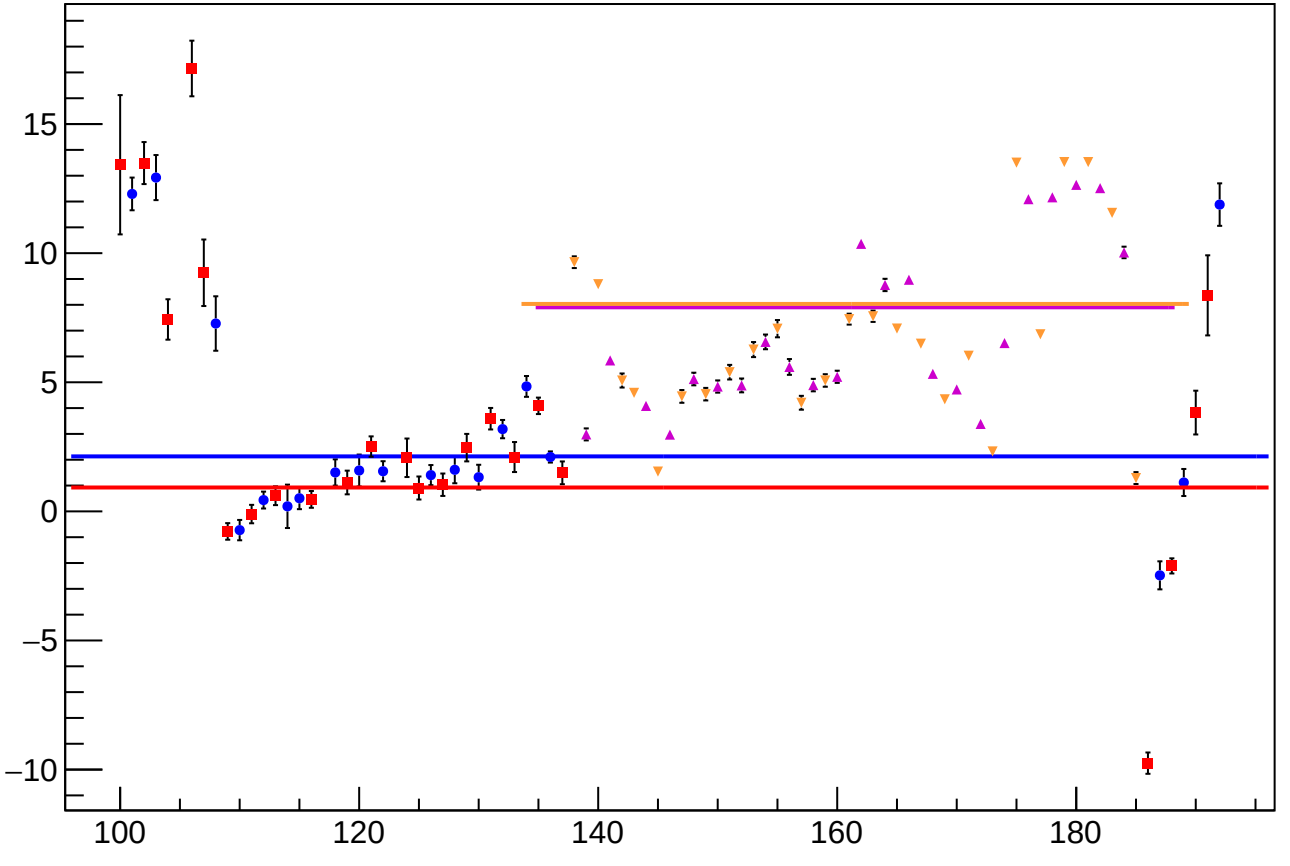
Right: -0.176+/-0.017 χ^2/NDF: 2200.8/41

In: 0.143+/-0.006 χ^2/NDF:2853.5/41

Out: 0.128+/-0.005 χ^2/NDF:3062.2/47

All: 0.135+/-0.004 χ^2/NDF: 5919.8/89

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 0.925+/-0.096 χ^2/NDF: 1620.7/22

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

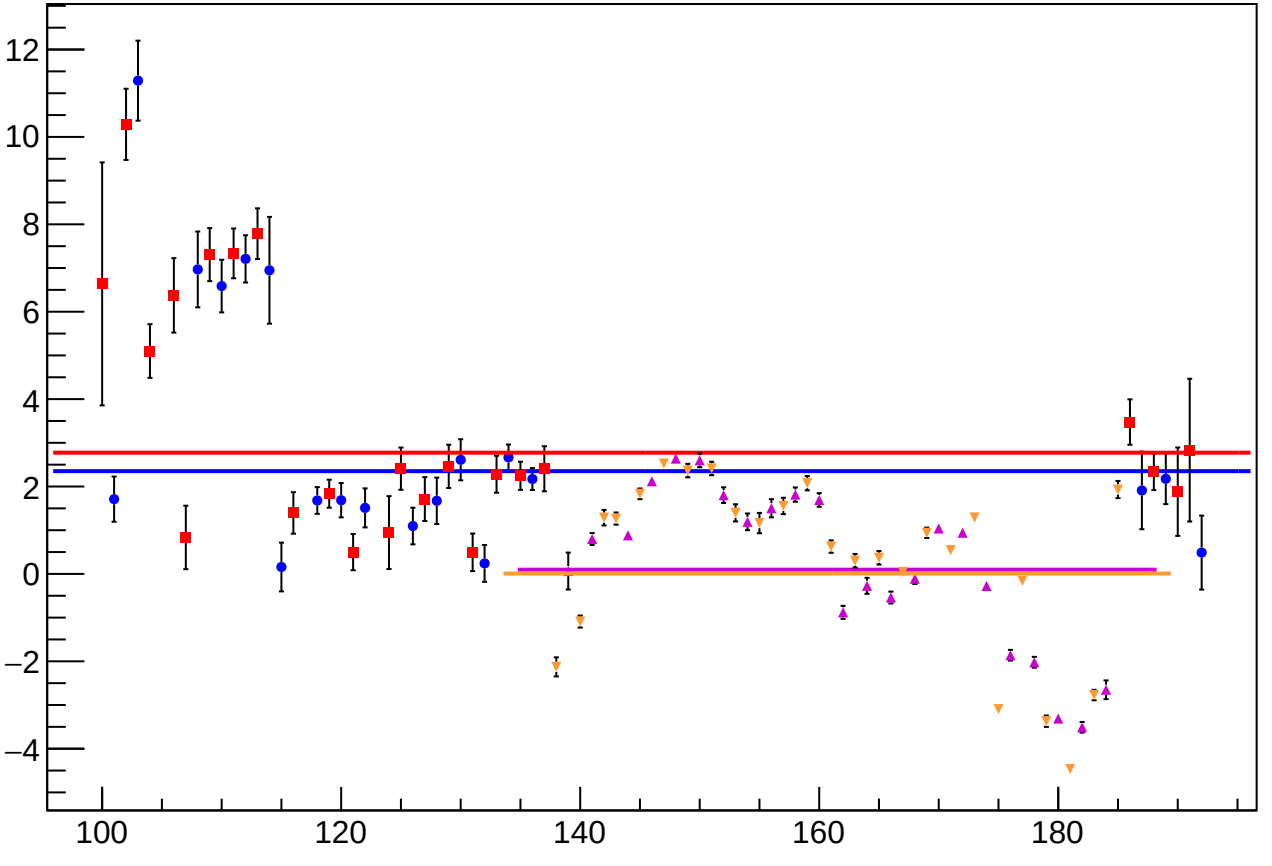
Right: 1.498+/-0.069 χ^2/NDF: 2511.8/41

In: 7.251+/-0.034 χ^2/NDF:13768.3/41

Out: 7.207+/-0.033 χ^2/NDF:20421.4/47

All: 7.228+/-0.023 χ^2/NDF: 34190.6/89

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: 2.774+/-0.108 χ^2/NDF: 414.7/22

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

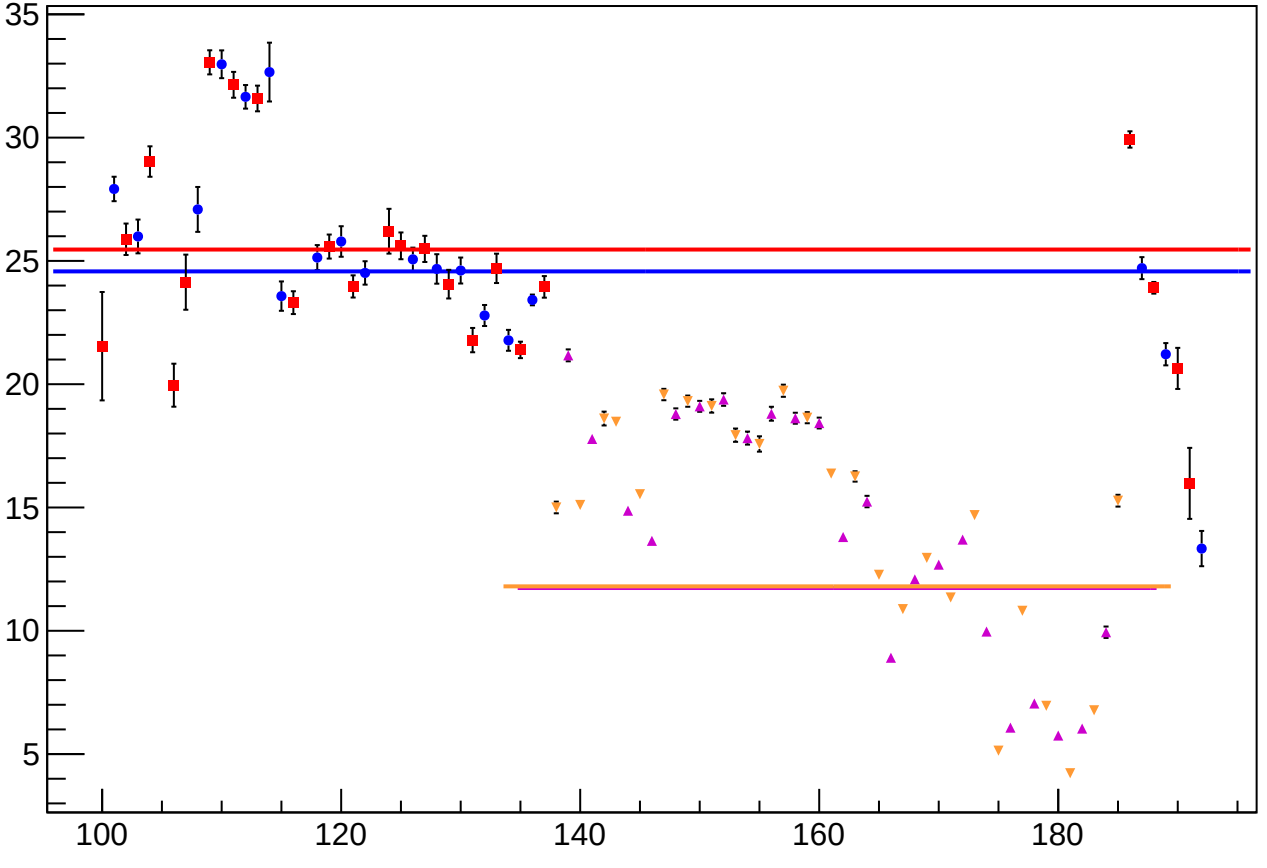
Right: 2.556+/-0.075 χ^2/NDF: 761.8/41

In: 0.247+/-0.027 χ^2/NDF:5203.5/41

Out: 0.176+/-0.027 χ^2/NDF:6788.8/47

All: 0.211+/-0.019 χ^2/NDF: 11995.8/89

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: 25.461+/-0.103 χ^2/NDF: 1179.1/22

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

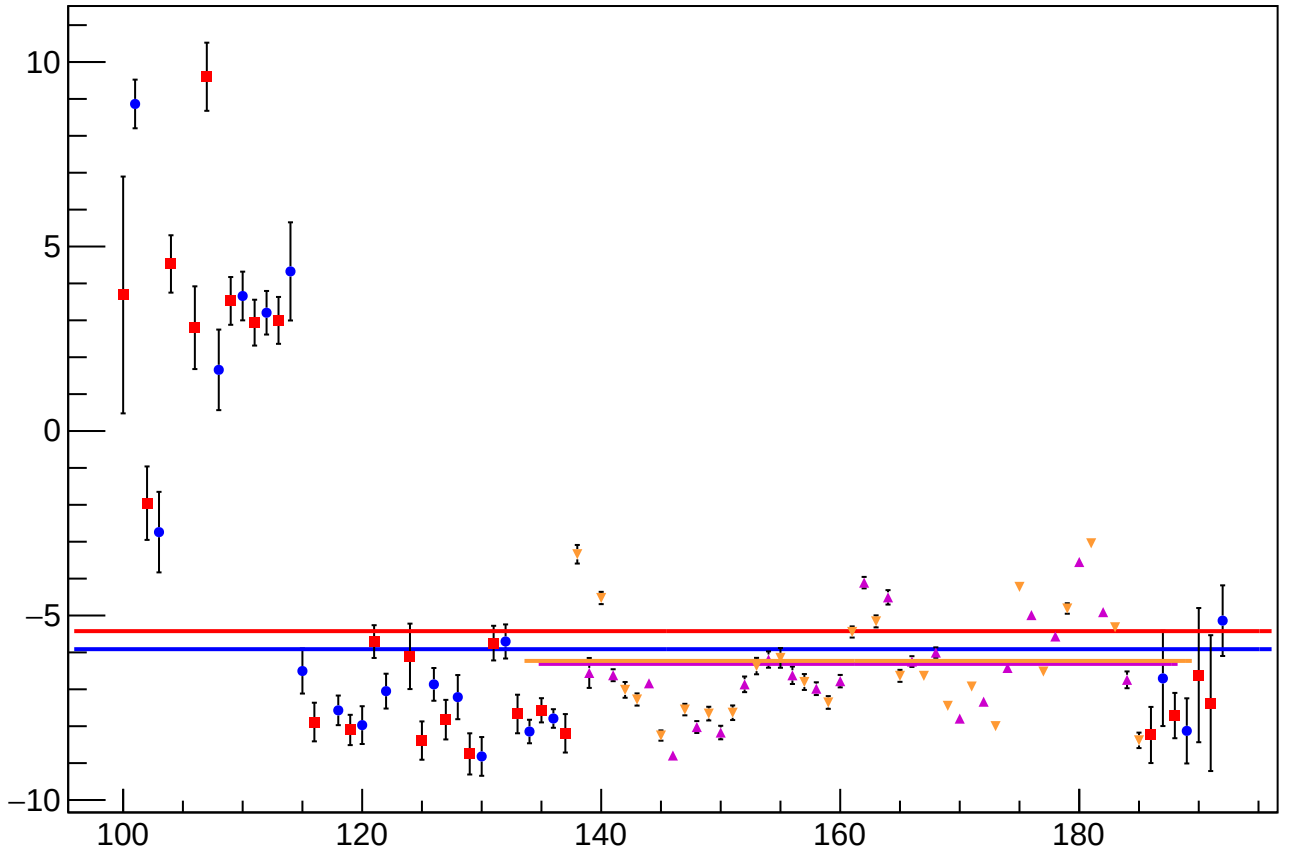
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 25.042+/-0.075 χ^2/NDF: 2158.9/41

In: 12.987+/-0.034 χ^2/NDF:31481.3/41

Out: 13.200+/-0.033 χ^2/NDF:38387.3/47

All: 13.097+/-0.024 χ^2/NDF: 69888.8/89



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: -5.423+/-0.124 χ^2/NDF: 1323.5/22

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

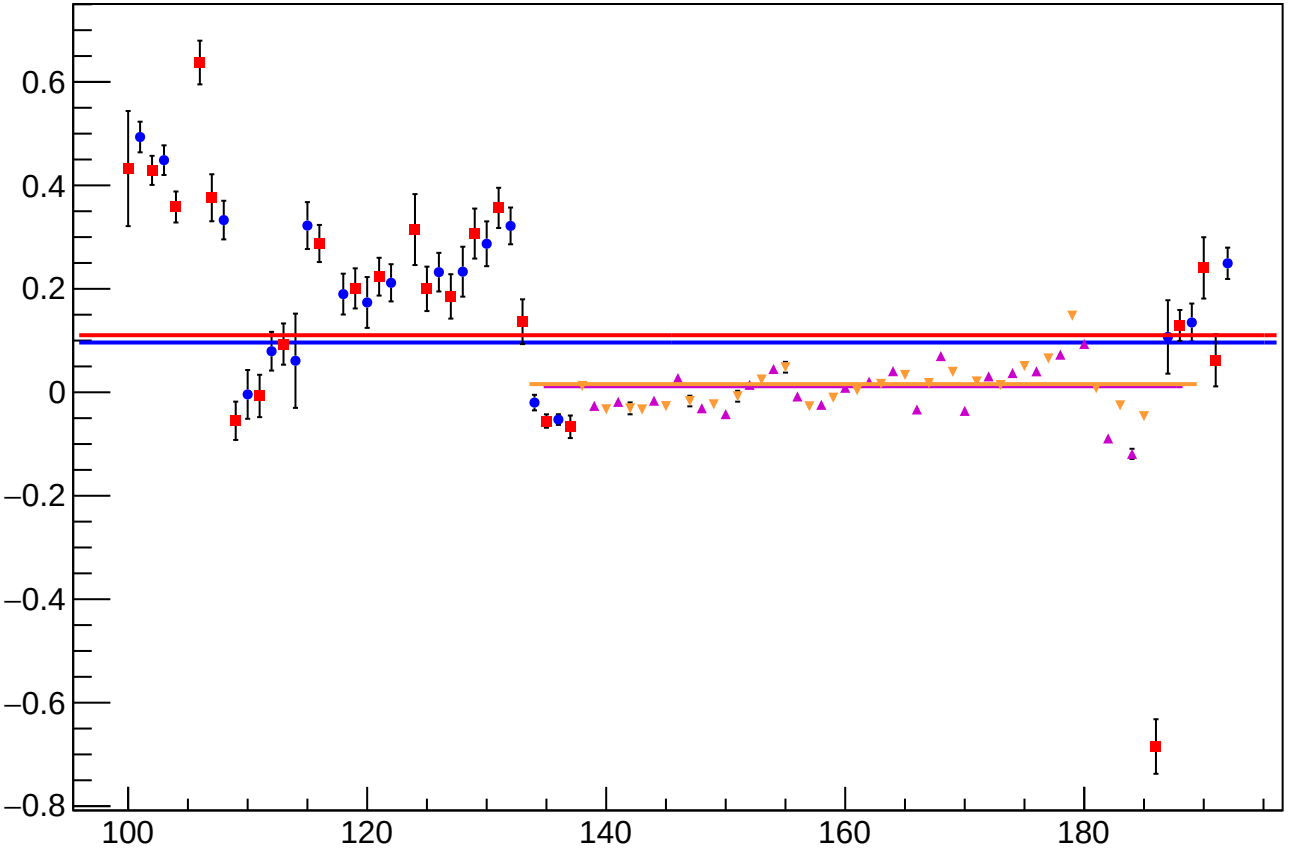
Right: -5.680+/-0.086 χ^2/NDF: 2590.4/41

In: -6.285+/-0.030 χ^2/NDF:3299.6/41

Out: -6.184+/-0.030 χ^2/NDF:3813.2/47

All: -6.234+/-0.021 χ^2/NDF: 7118.4/89

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.110+/-0.007 χ^2/NDF: 998.8/22

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

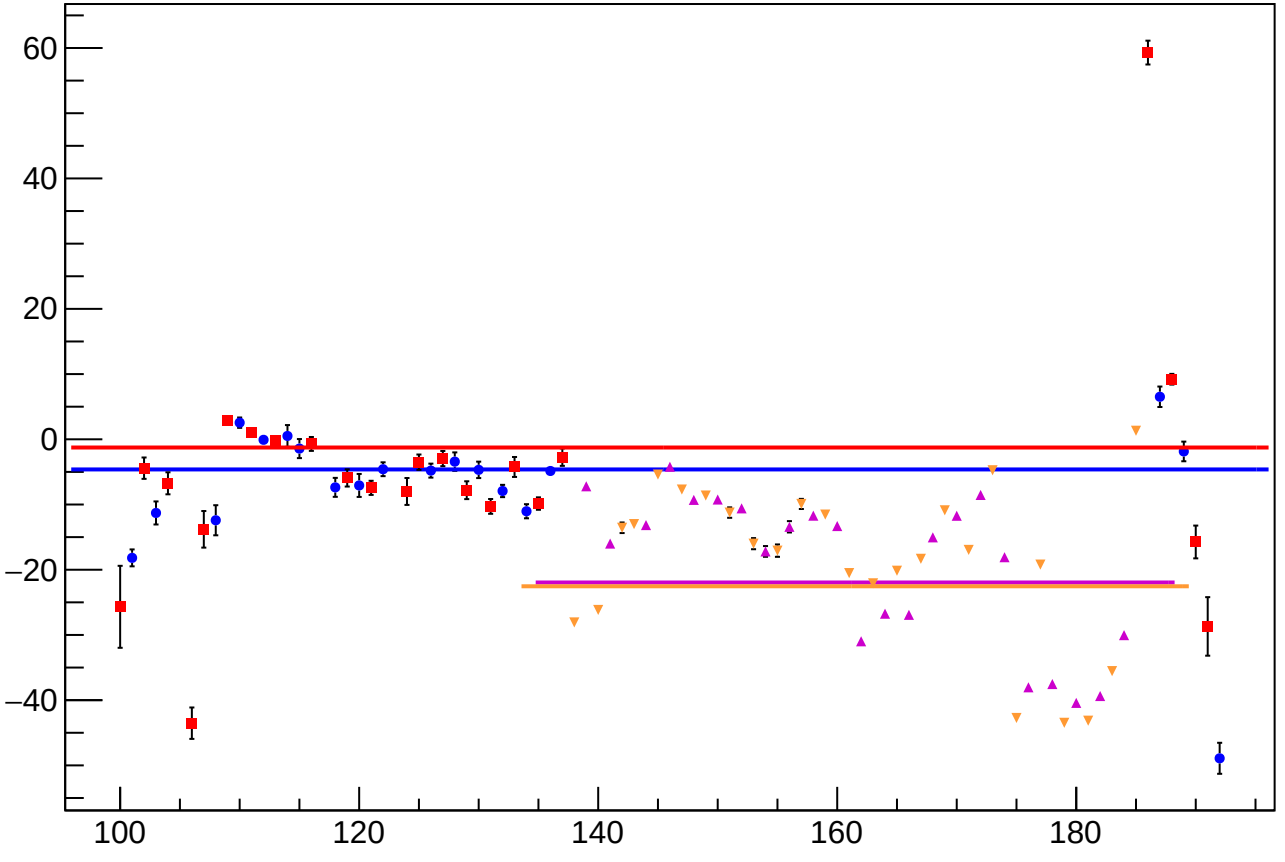
Right: 0.103+/-0.005 χ^2/NDF: 1797.5/41

In: 0.016+/-0.001 χ^2/NDF:2264.4/41

Out: 0.019+/-0.001 χ^2/NDF:2110.8/47

All: 0.018+/-0.001 χ^2/NDF: 4378.9/89

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: -1.259+/-0.245 χ^2/NDF: 1977.8/22

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

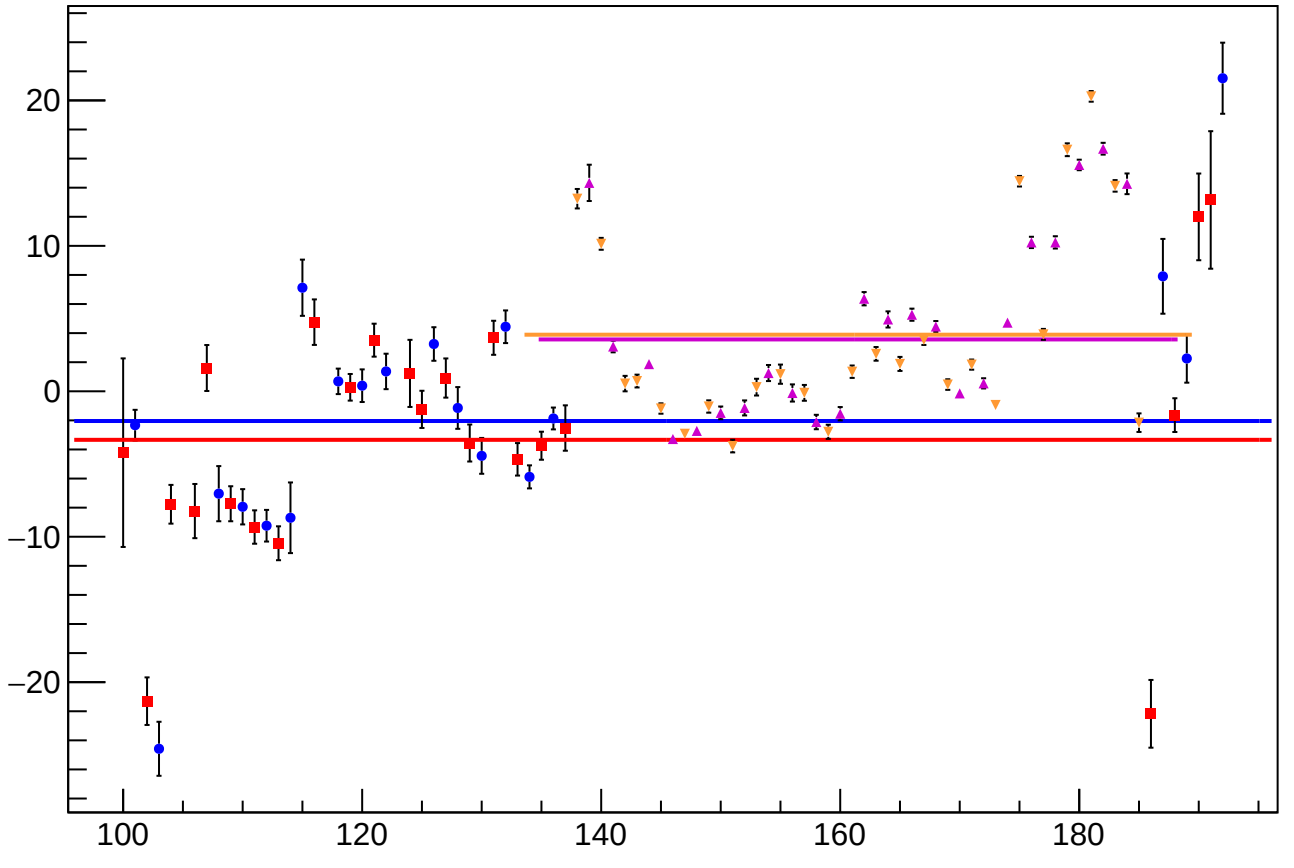
Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

Right: -2.845+/-0.178 χ^2/NDF: 2799.8/41

In: -19.261+/-0.102 χ^2/NDF:17100.3/41

Out: -19.065+/-0.099 χ^2/NDF:24841.8/47

All: -19.160+/-0.071 χ^2/NDF: 41944.0/89



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: -3.337+/-0.285 χ^2/NDF: 465.8/22

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

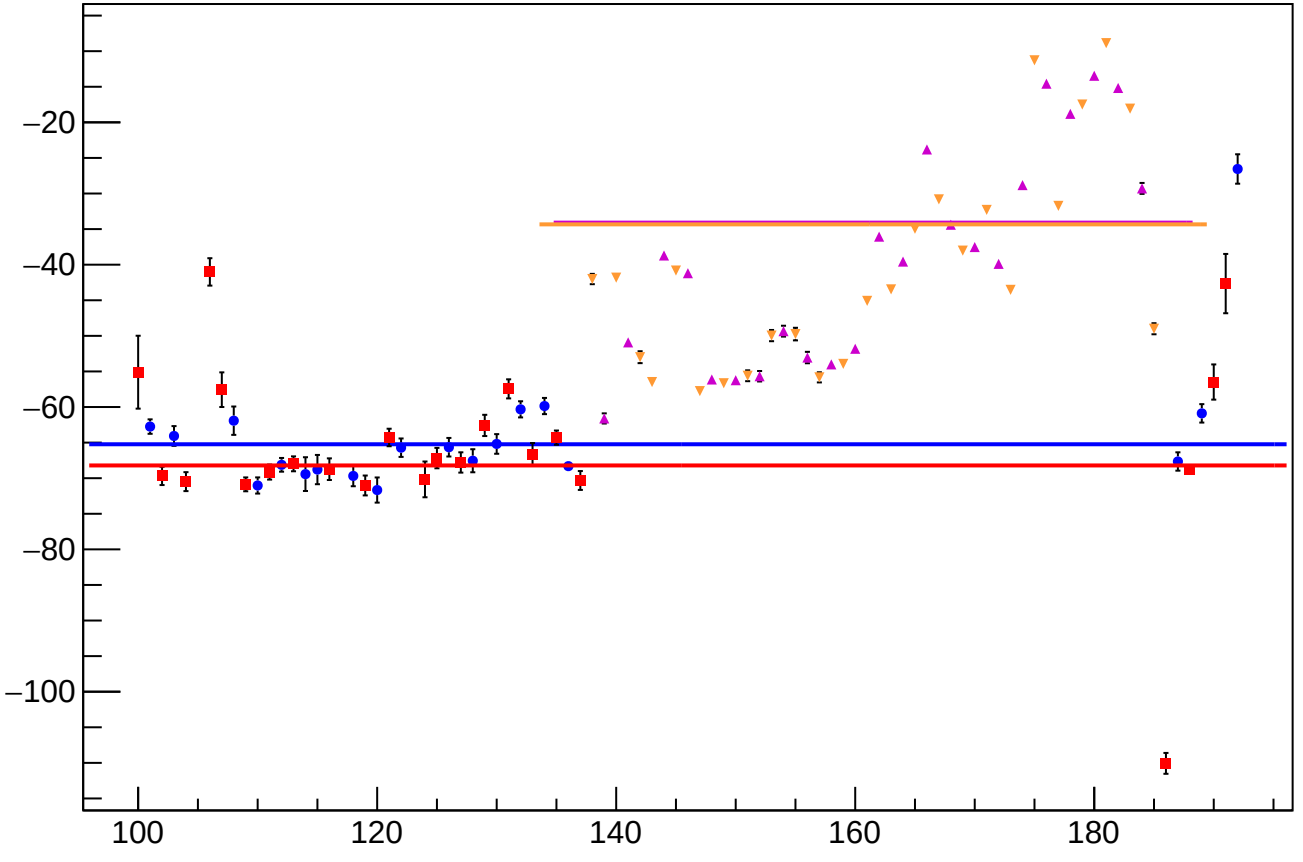
Right: -2.674+/-0.199 χ^2/NDF: 946.9/41

In: 3.074+/-0.082 χ^2/NDF:5581.0/41

Out: 3.311+/-0.081 χ^2/NDF:7780.4/47

All: 3.195+/-0.058 χ^2/NDF: 13365.6/89

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -68.209+/-0.275 χ^2/NDF: 1226.5/22

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

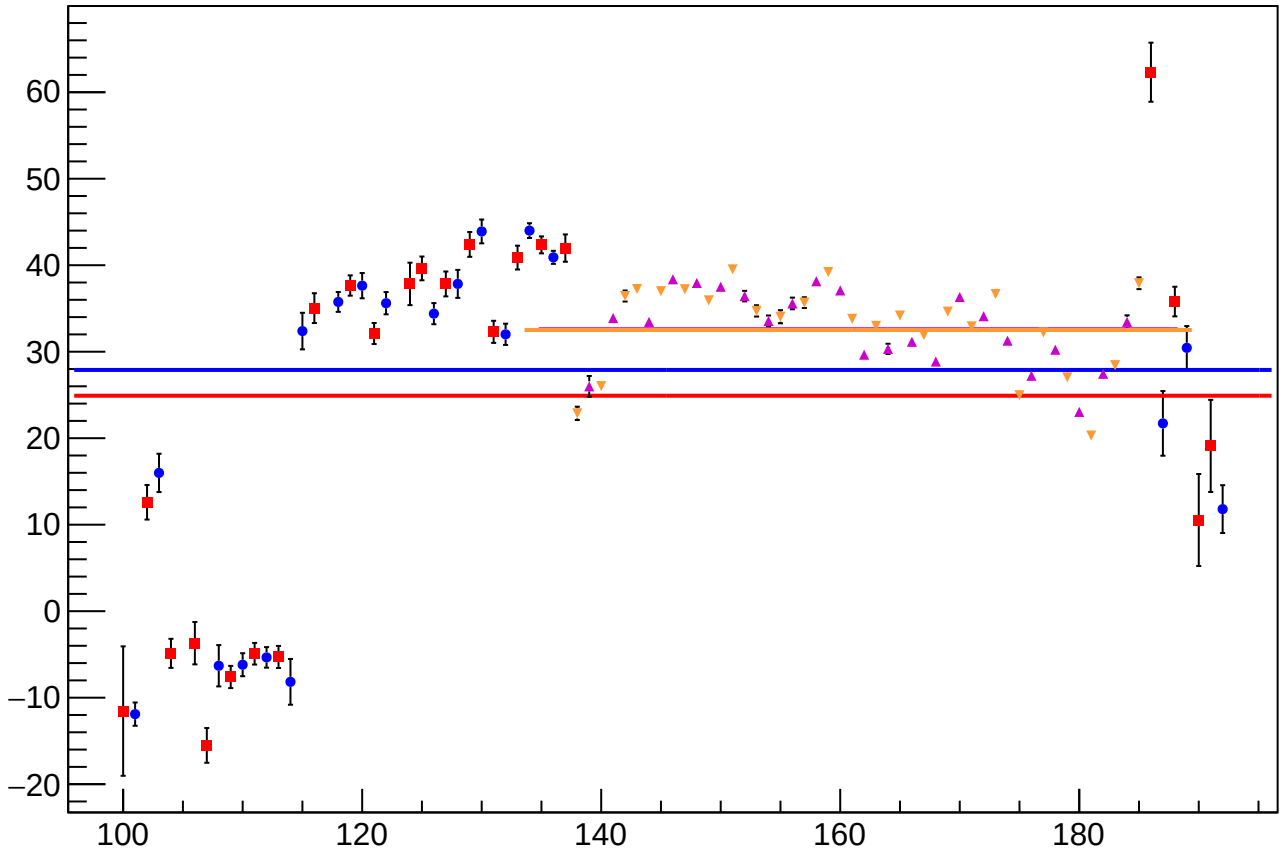
Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

Right: -66.777+/-0.198 χ^2/NDF: 1786.5/41

In: -38.166+/-0.103 χ^2/NDF:28538.7/41

Out: -38.875+/-0.101 χ^2/NDF:35548.7/47

All: -38.530+/-0.072 χ^2/NDF: 64111.5/89



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: 24.911+/-0.327 χ^2/NDF: 4014.8/22

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

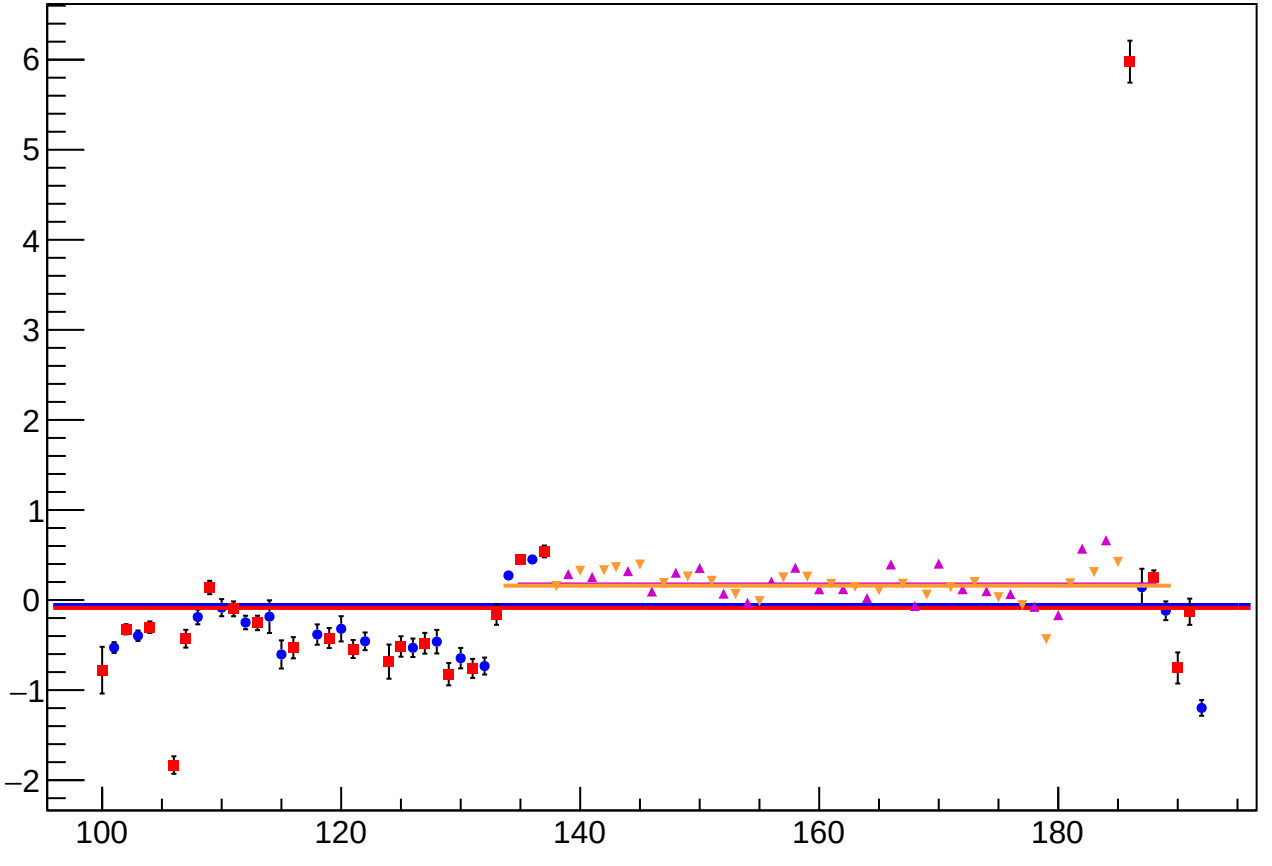
Right: 26.459+/-0.226 χ^2/NDF: 7823.9/41

In: 32.191+/-0.092 χ^2/NDF:5983.5/41

Out: 31.923+/-0.091 χ^2/NDF:7452.5/47

All: 32.054+/-0.065 χ^2/NDF: 13440.3/89

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.087+/-0.018 χ^2/NDF: 1534.2/22

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

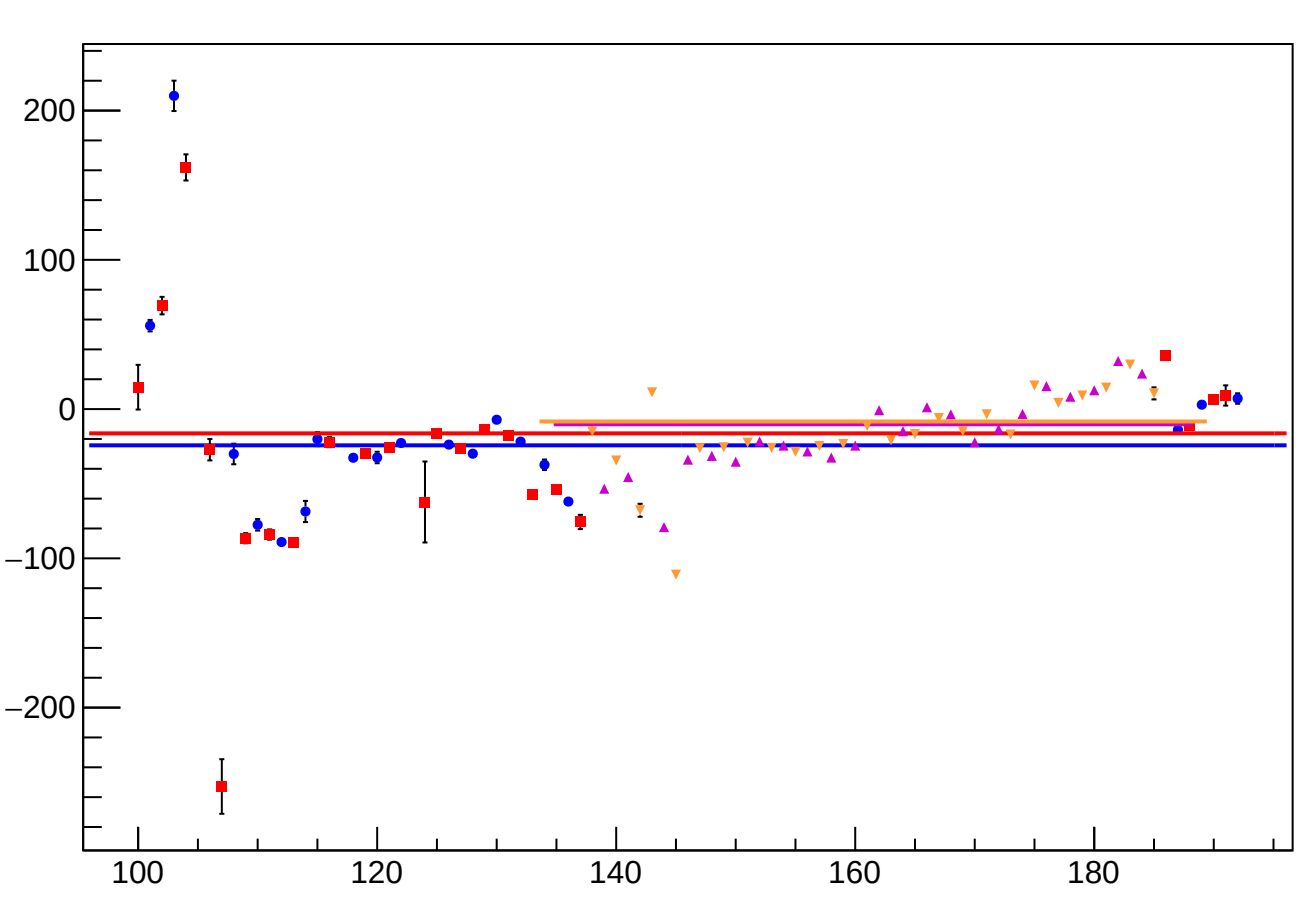
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.070+/-0.012 χ^2/NDF: 2301.8/41

In: 0.159+/-0.004 χ^2/NDF:3070.3/41

Out: 0.147+/-0.004 χ^2/NDF:3324.6/47

All: 0.153+/-0.003 χ^2/NDF: 6399.2/89



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: -16.266+/-0.618 χ^2/NDF: 3935.5/22

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

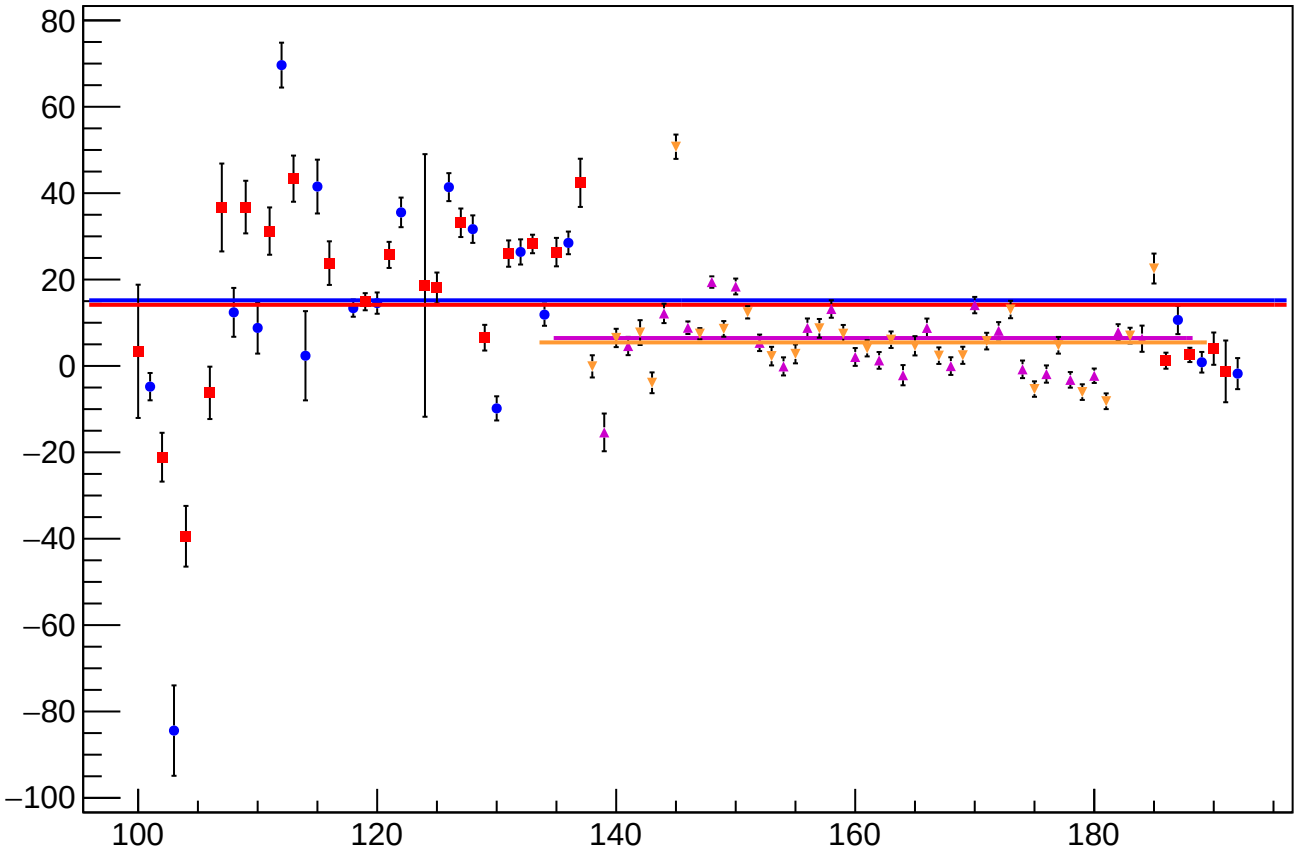
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -19.693+/-0.468 χ^2/NDF: 6239.1/41

In: -15.134+/-0.424 χ^2/NDF:5002.2/41

Out: -11.552+/-0.395 χ^2/NDF:6593.4/47

All: -13.217+/-0.289 χ^2/NDF: 11633.8/89



Right In: 15.193+/-0.741 χ^2/NDF: 572.0/18

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 14.153+/-0.695 χ^2/NDF: 433.9/22

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

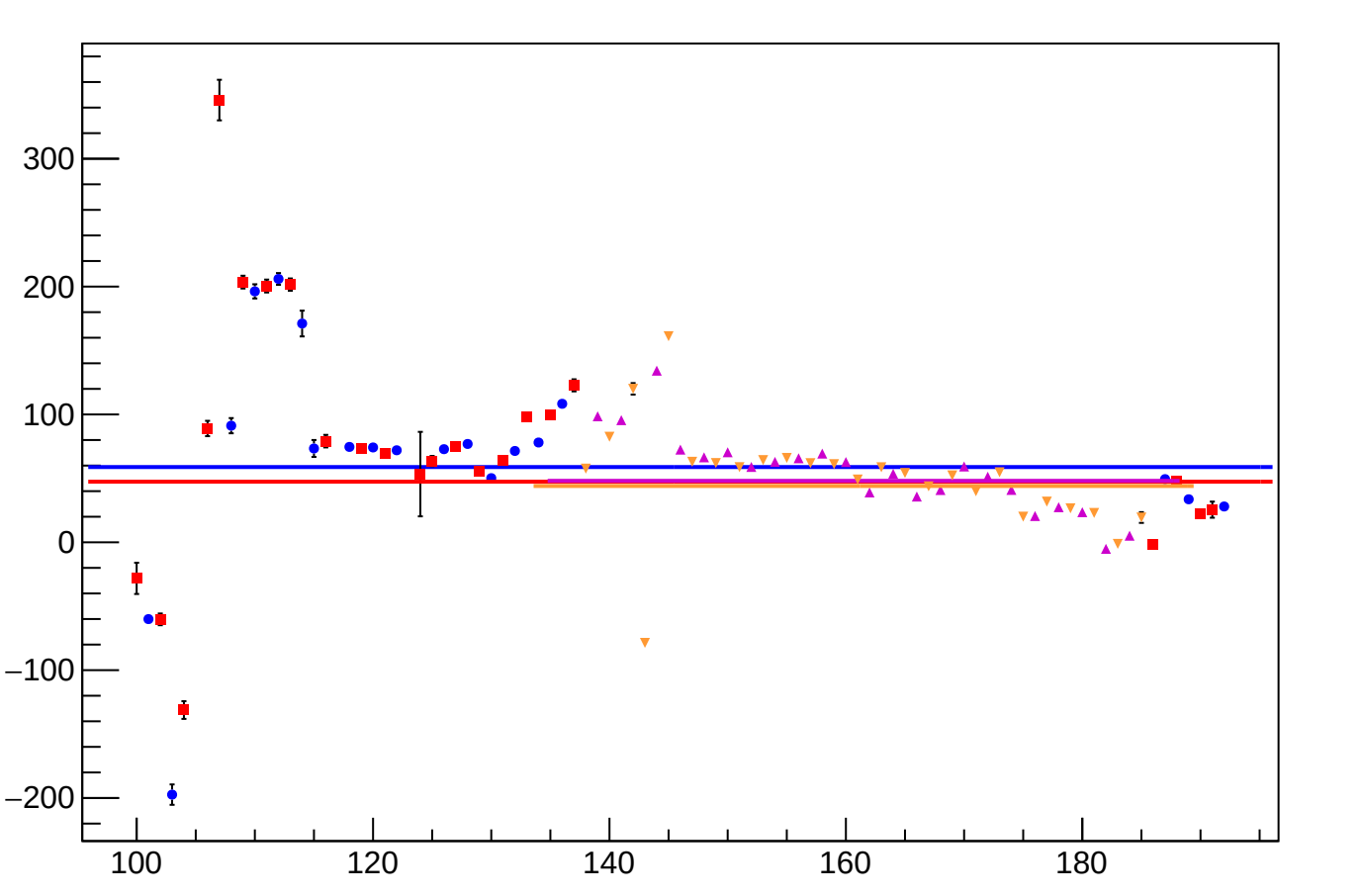
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 14.640+/-0.507 χ^2/NDF: 1006.9/41

In: 8.494+/-0.357 χ^2/NDF:1014.6/41

Out: 7.565+/-0.343 χ^2/NDF:1046.5/47

All: 8.010+/-0.247 χ^2/NDF: 2064.6/89



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: 47.407+/-0.582 χ^2/NDF: 7403.7/22

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

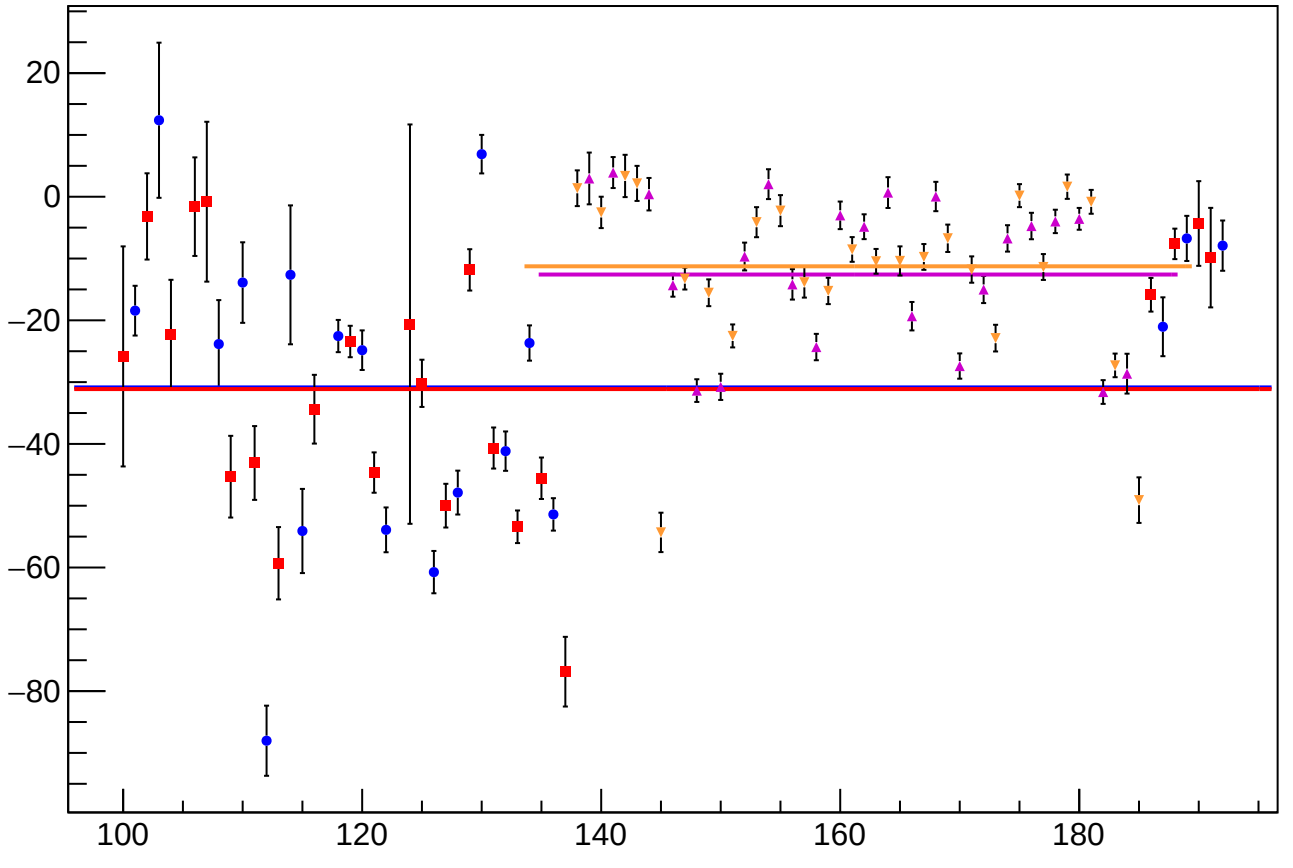
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 51.939+/-0.452 χ^2/NDF: 12887.9/41

In: 51.789+/-0.422 χ^2/NDF:8854.9/41

Out: 45.503+/-0.384 χ^2/NDF:11986.5/47

All: 48.346+/-0.284 χ^2/NDF: 20962.9/89



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: -31.124+/-0.861 χ^2/NDF: 464.9/22

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

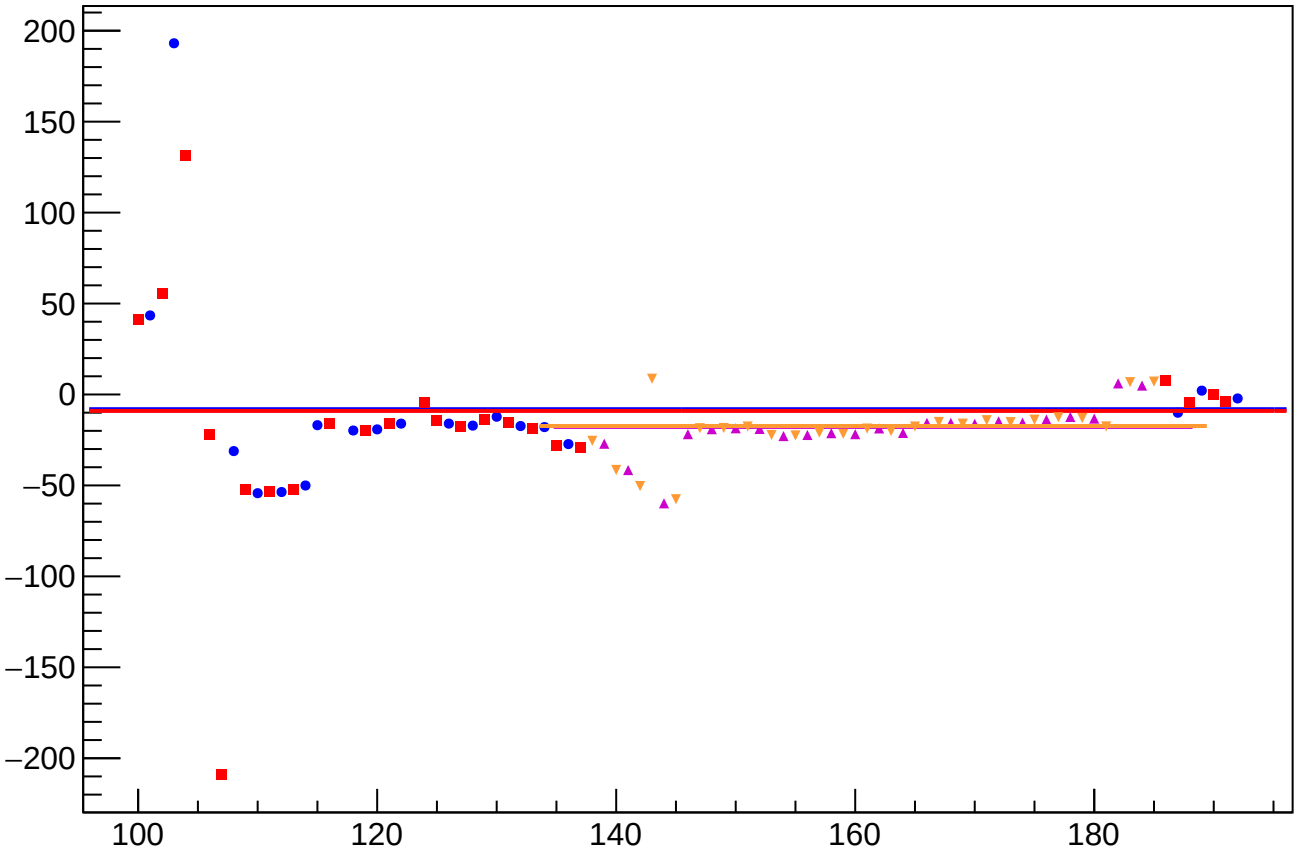
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -30.992+/-0.614 χ^2/NDF: 1067.5/41

In: -16.529+/-0.406 χ^2/NDF:1616.2/41

Out: -15.444+/-0.395 χ^2/NDF:1528.0/47

All: -15.971+/-0.283 χ^2/NDF: 3147.9/89



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: -9.036+/-0.051 χ^2/NDF: 464950.6/22

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

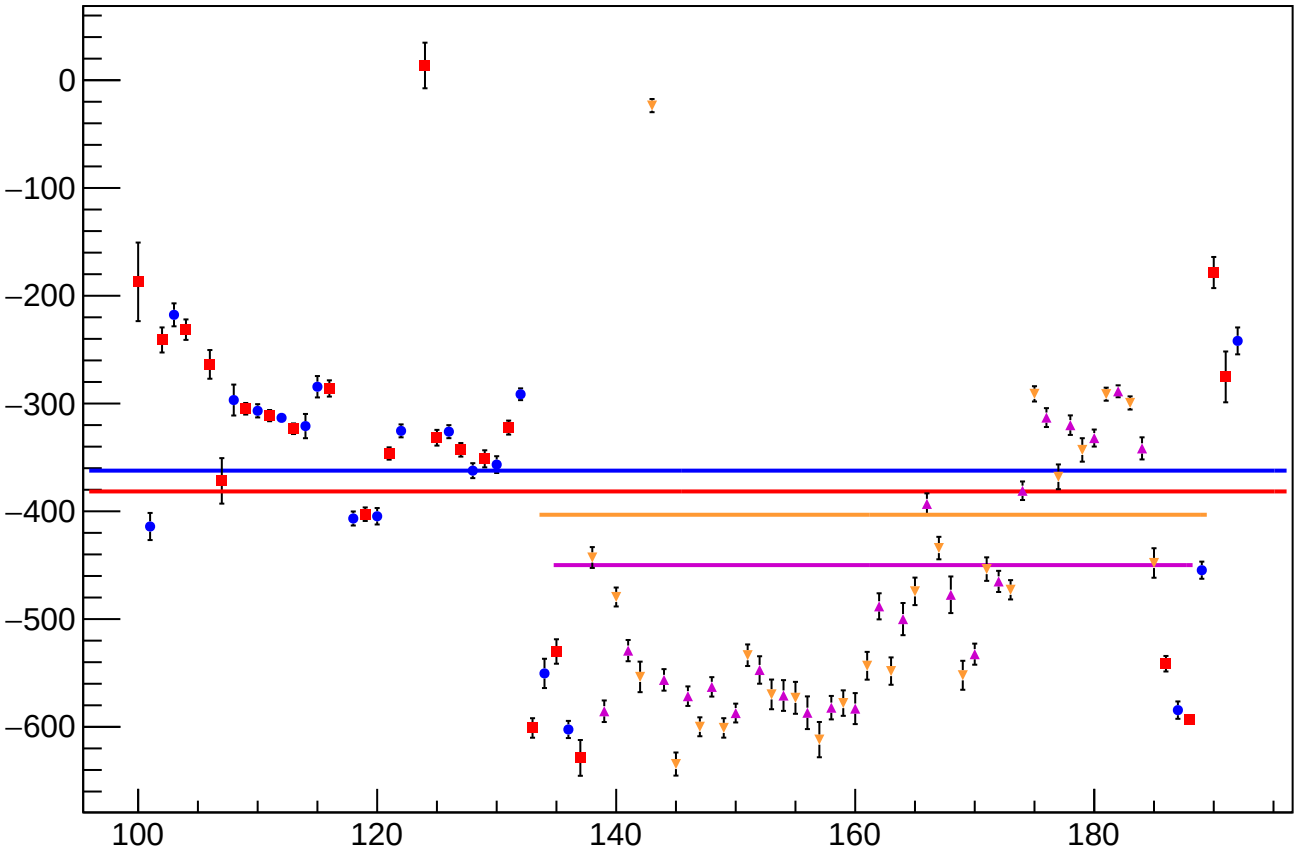
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -8.543+/-0.035 χ^2/NDF: 995209.6/41

In: -16.387+/-0.019 χ^2/NDF:831614.7/41

Out: -16.226+/-0.019 χ^2/NDF:835713.5/47

All: -16.306+/-0.013 χ^2/NDF: 1667365.5/89



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: -381.565+/-1.575 χ^2/NDF: 5885.4/22

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

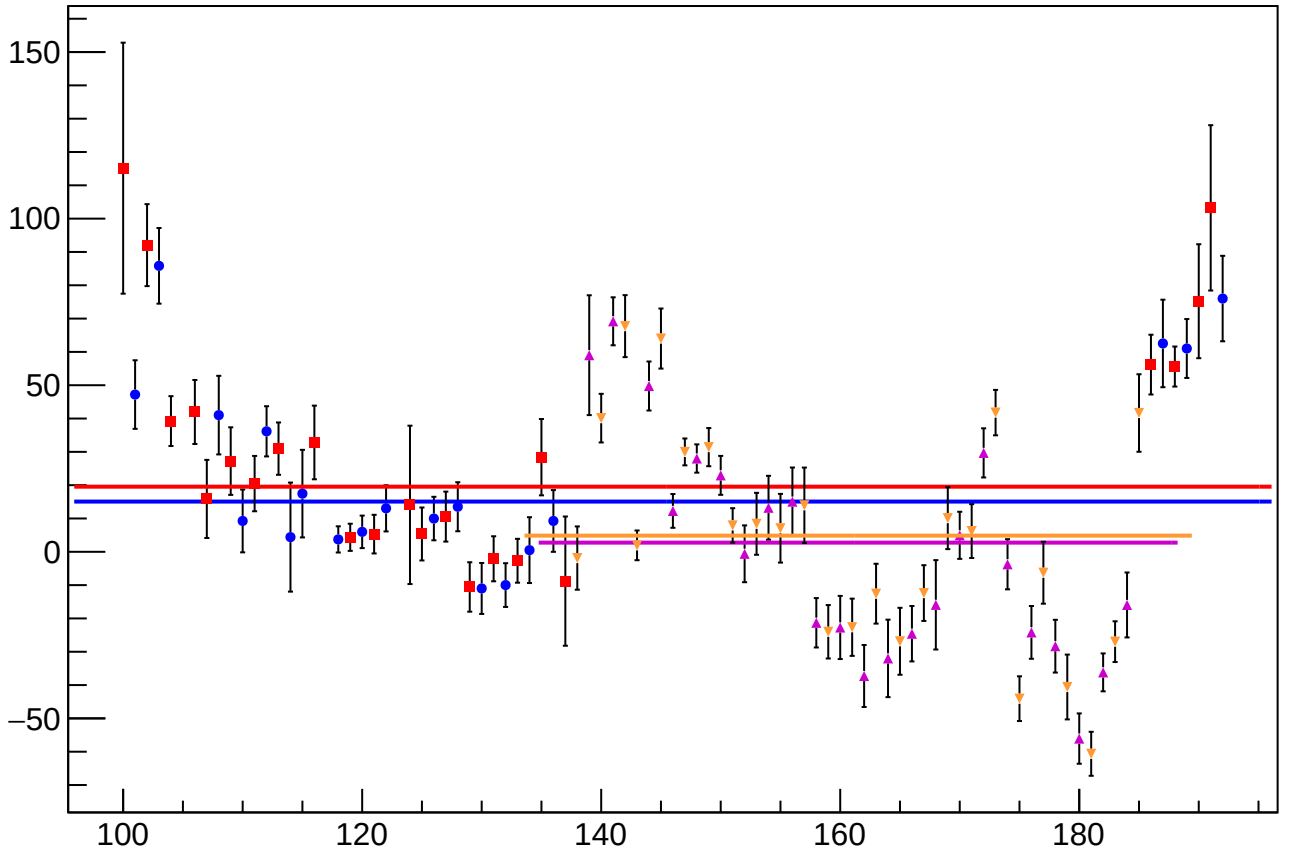
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -372.762+/-1.162 χ^2/NDF: 8856.0/41

In: -398.617+/-1.316 χ^2/NDF:7198.0/41

Out: -390.224+/-1.220 χ^2/NDF:13711.2/47

All: -394.102+/-0.894 χ^2/NDF: 20931.1/89



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: 19.549+/-1.725 χ^2/NDF: 198.0/22

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

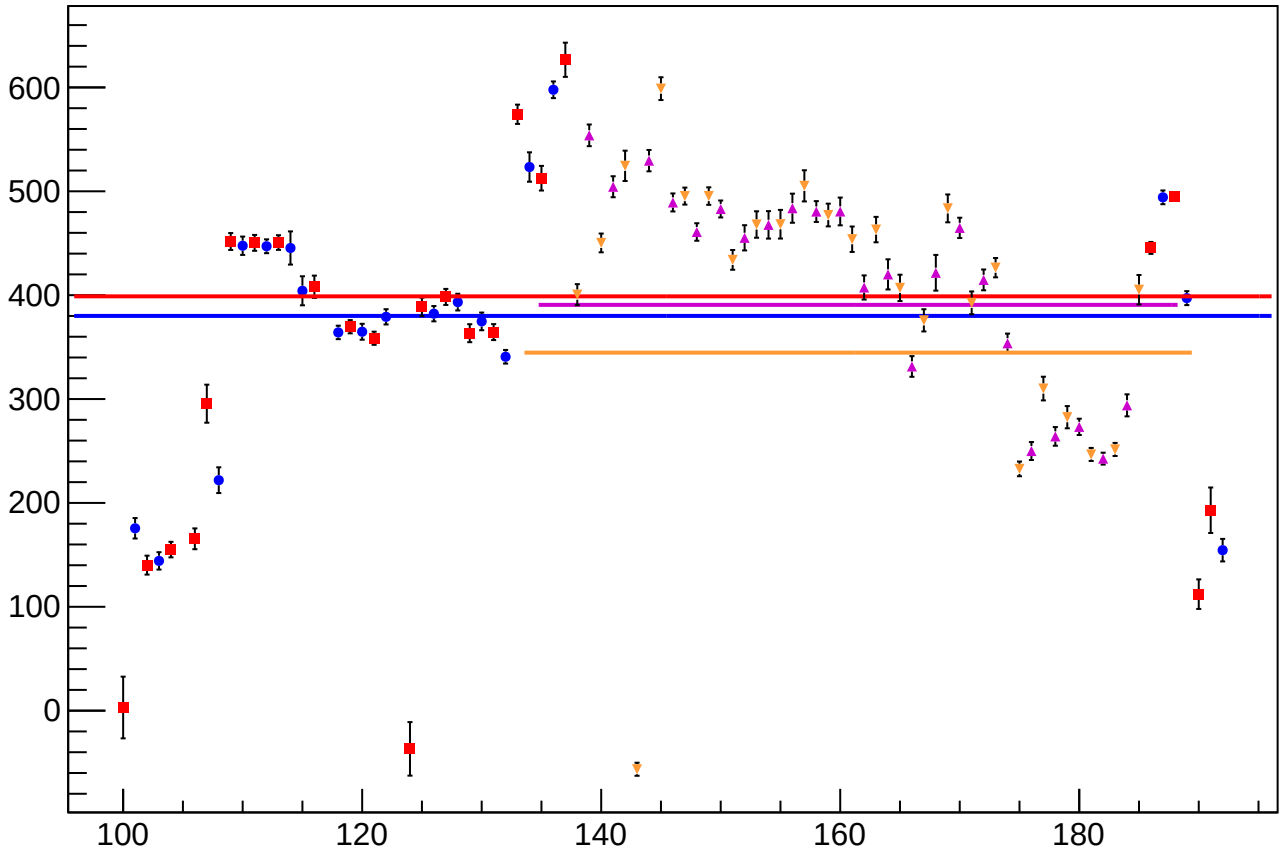
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 17.370+/-1.235 χ^2/NDF: 367.3/41

In: 8.120+/-1.168 χ^2/NDF:593.0/41

Out: 10.925+/-1.109 χ^2/NDF:697.7/47

All: 9.595+/-0.804 χ^2/NDF: 1293.8/89



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: 398.875+/-1.669 χ^2/NDF: 5123.0/22

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

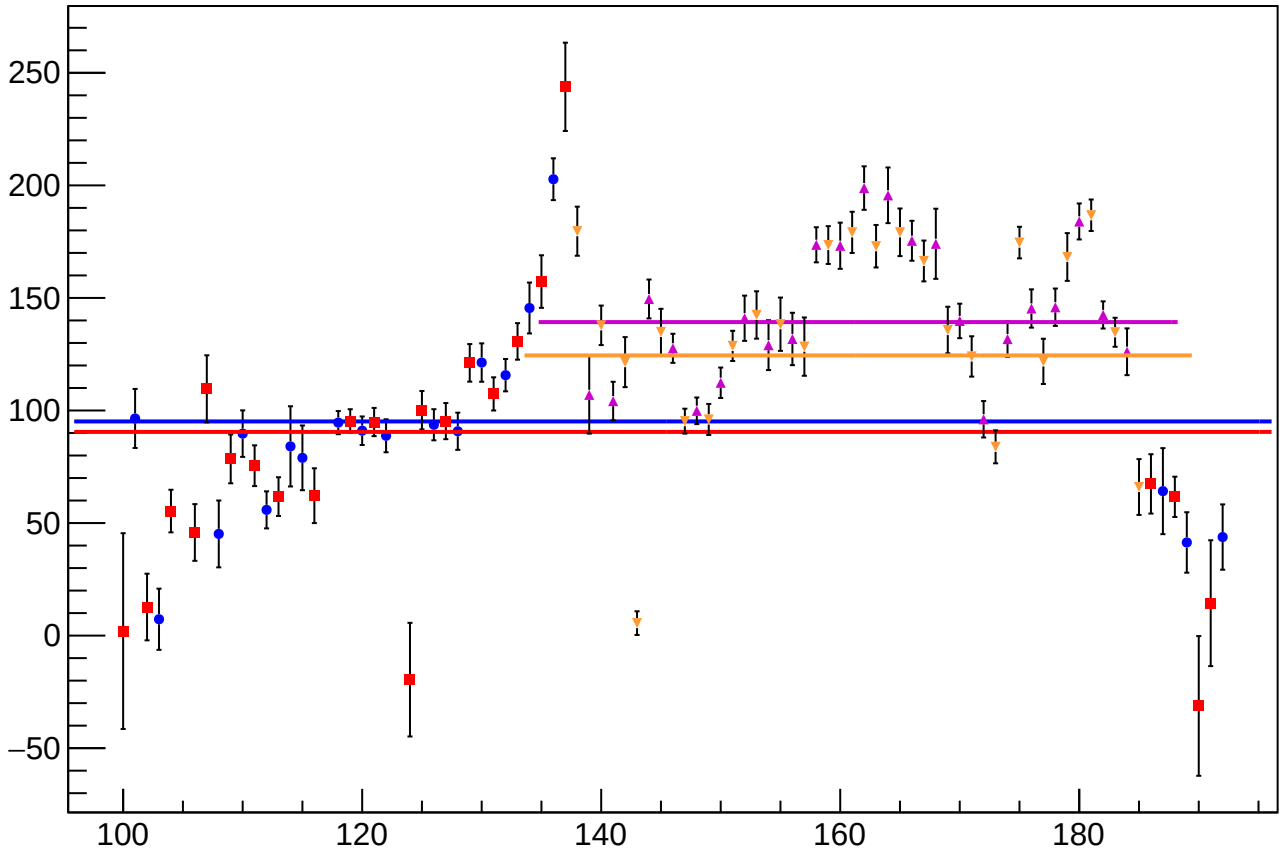
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 390.627+/-1.251 χ^2/NDF: 8368.3/41

In: 384.980+/-1.384 χ^2/NDF:5877.1/41

Out: 375.605+/-1.261 χ^2/NDF:12853.9/47

All: 379.858+/-0.932 χ^2/NDF: 18756.1/89



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: 90.491+/-2.044 χ^2/NDF: 275.8/22

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

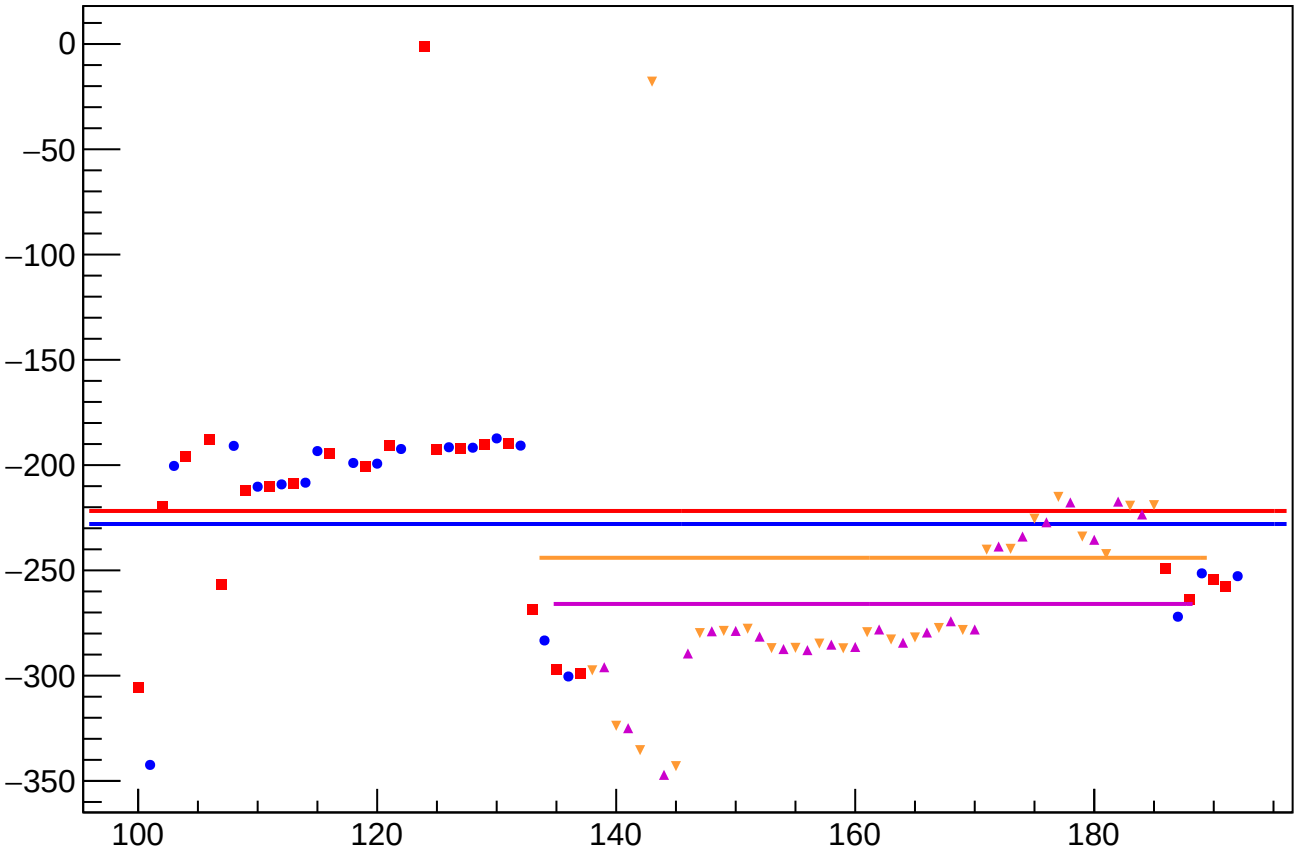
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 92.772+/-1.459 χ^2/NDF: 560.8/41

In: 120.772+/-1.348 χ^2/NDF:804.2/41

Out: 110.949+/-1.290 χ^2/NDF:1379.6/47

All: 115.641+/-0.932 χ^2/NDF: 2211.5/89



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: -221.784+/-0.125 χ^2/NDF: 96366.2/22

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

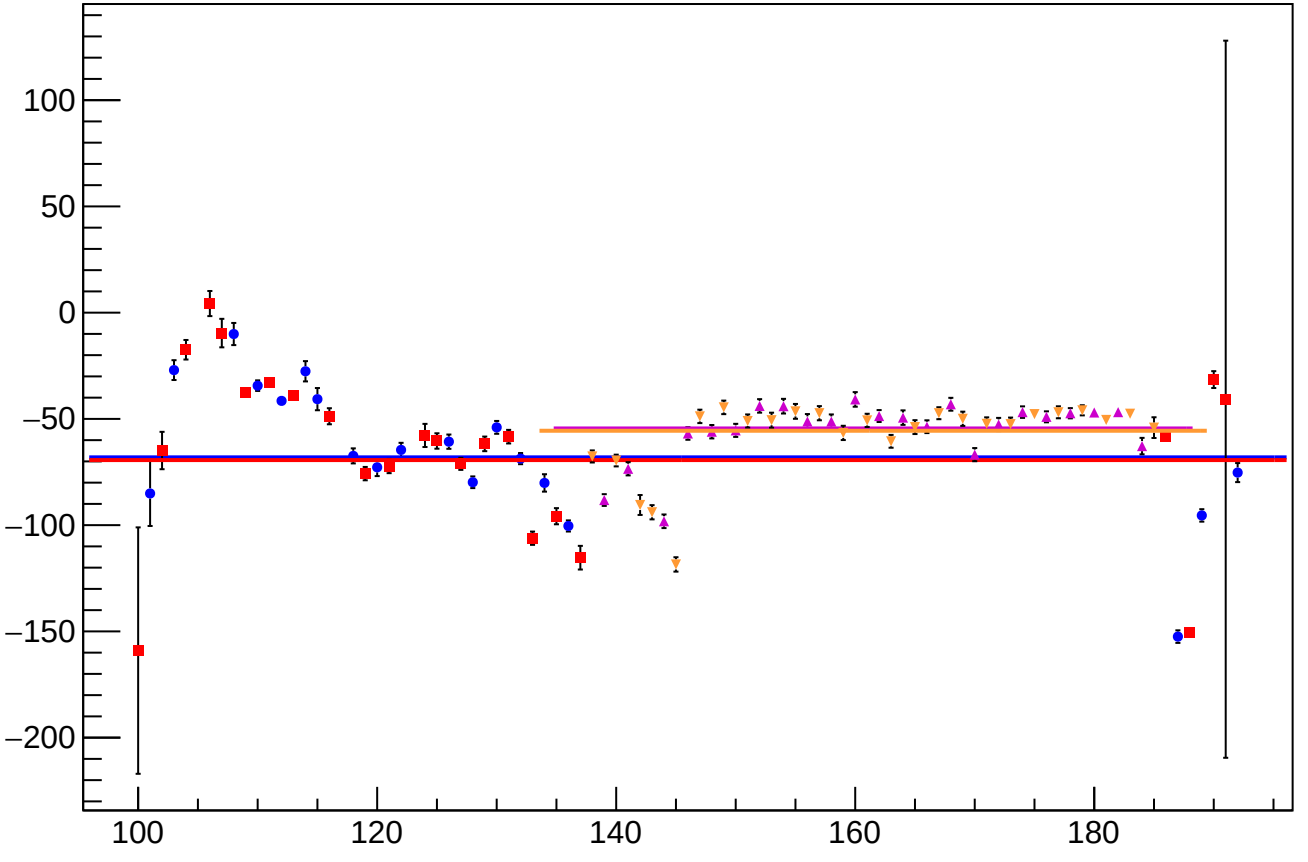
Right: -224.796+/-0.089 χ^2/NDF: 226308.7/41

In: -255.207+/-0.068 χ^2/NDF:361609.0/41

Out: -237.853+/-0.066 χ^2/NDF:1117261.3/47

All: -246.214+/-0.047 χ^2/NDF: 1512446.5/89

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: -69.377+/-0.657 χ^2/NDF: 3711.9/22

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

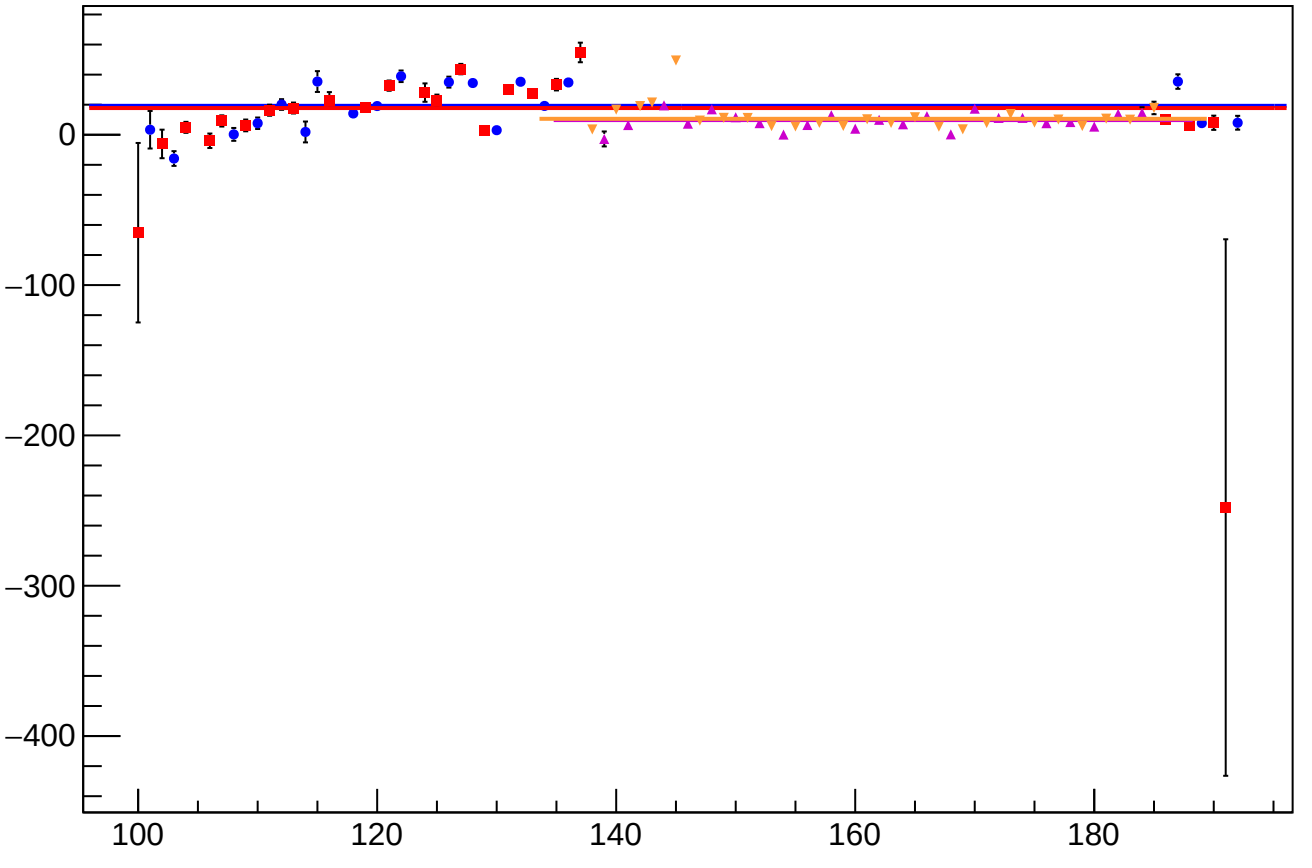
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -68.830+/-0.497 χ^2/NDF: 5463.9/41

In: -59.794+/-0.474 χ^2/NDF:2446.8/41

Out: -61.738+/-0.439 χ^2/NDF:4642.7/47

All: -60.840+/-0.322 χ^2/NDF: 7098.5/89



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: 17.760+/-0.740 χ^2/NDF: 278.8/22

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

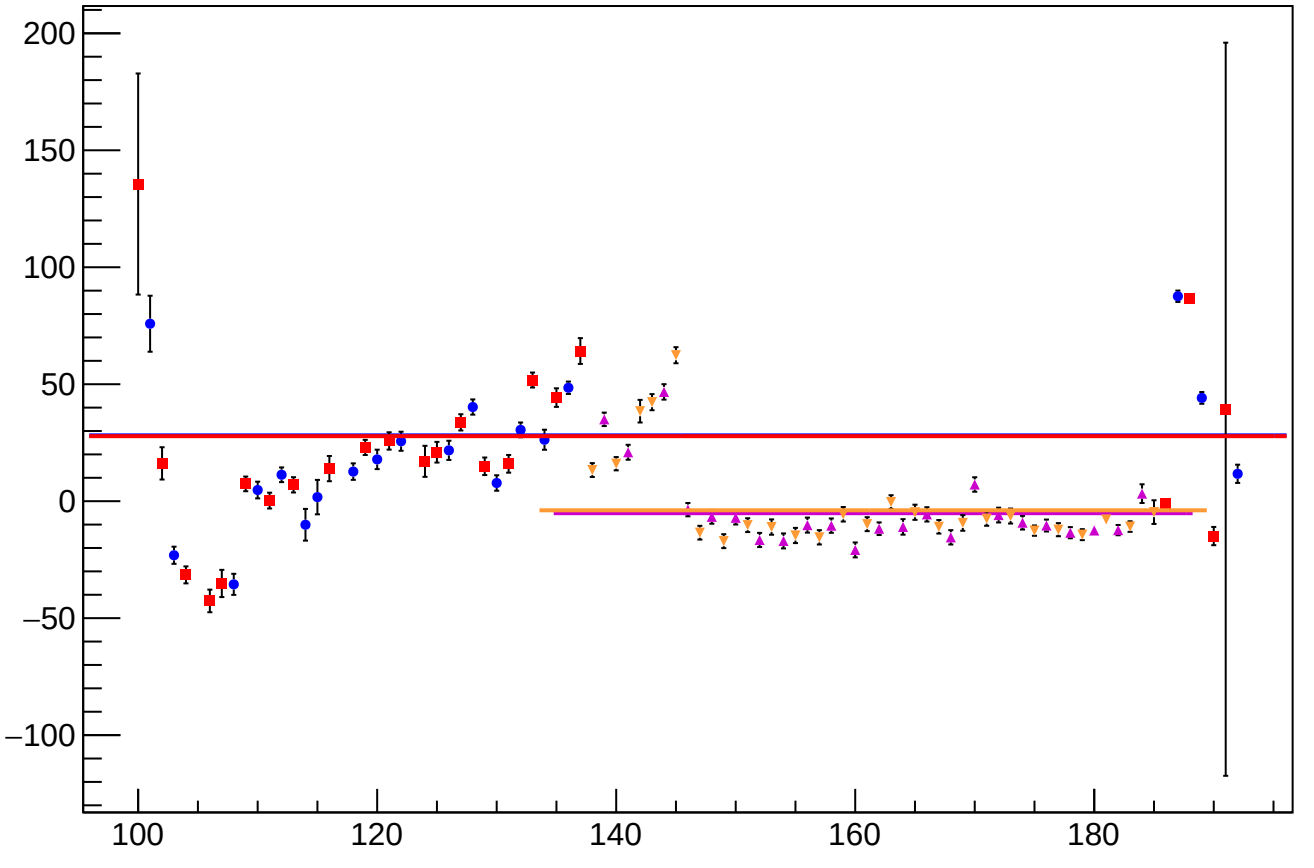
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 18.431+/-0.547 χ^2/NDF: 558.1/41

In: 12.117+/-0.405 χ^2/NDF:500.8/41

Out: 12.533+/-0.384 χ^2/NDF:602.3/47

All: 12.336+/-0.279 χ^2/NDF: 1103.7/89



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: 27.794+/-0.671 χ^2/NDF: 3253.4/22

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

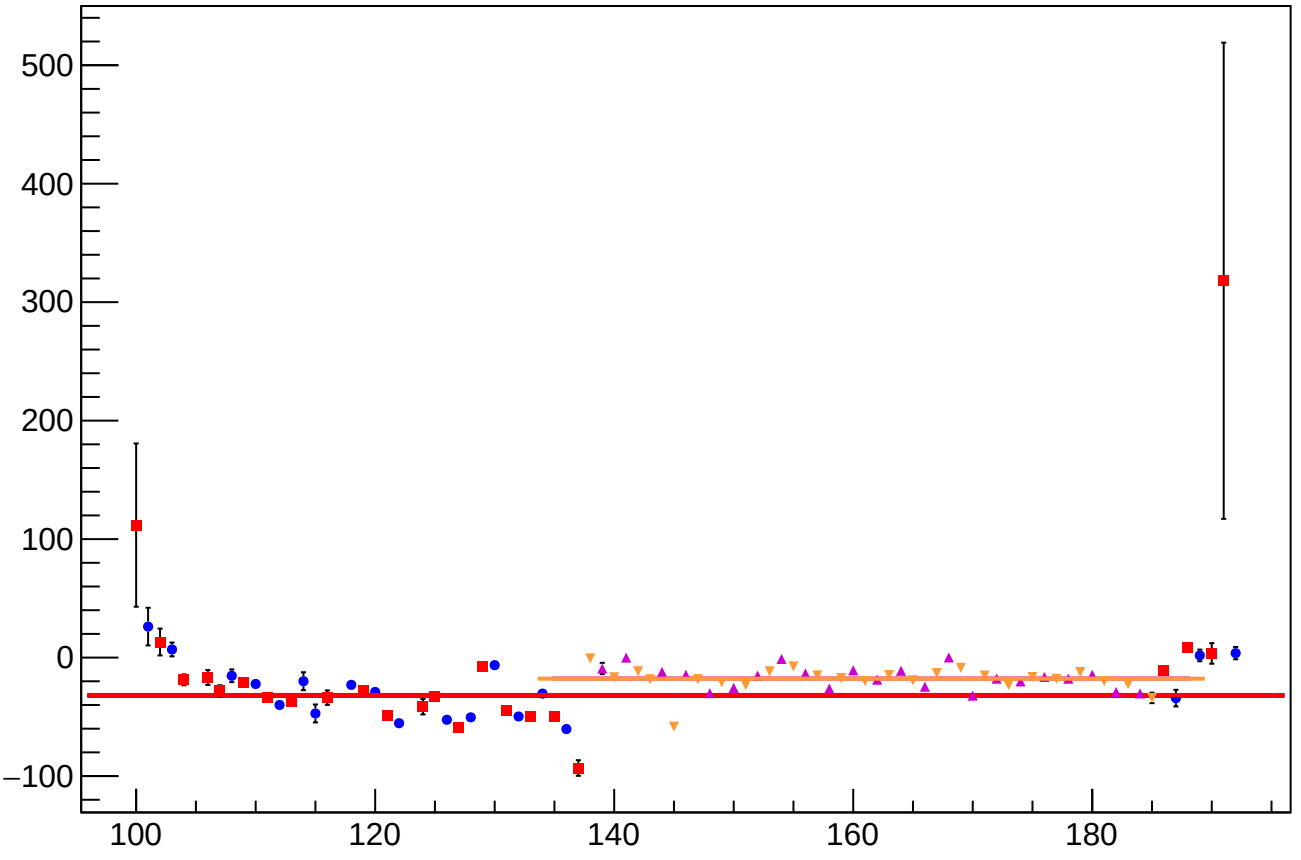
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 27.931+/-0.519 χ^2/NDF: 4579.3/41

In: 6.461+/-0.484 χ^2/NDF:3047.1/41

Out: 9.789+/-0.441 χ^2/NDF:5370.4/47

All: 8.279+/-0.326 χ^2/NDF: 8443.4/89



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: -31.512+/-0.894 χ^2/NDF: 522.7/22

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

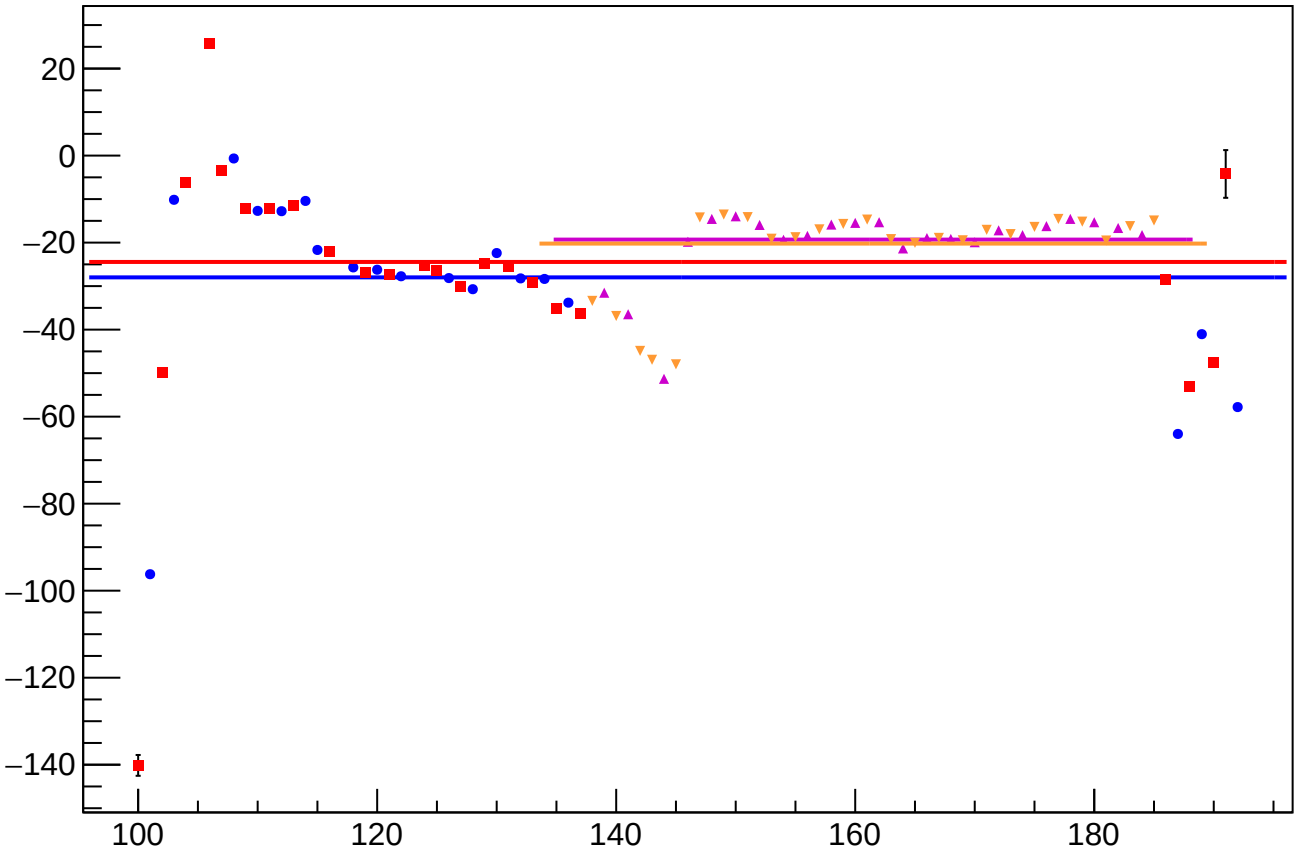
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -31.860+/-0.649 χ^2/NDF: 972.9/41

In: -21.094+/-0.460 χ^2/NDF:918.0/41

Out: -21.139+/-0.442 χ^2/NDF:952.8/47

All: -21.117+/-0.319 χ^2/NDF: 1870.7/89



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: -24.444+/-0.054 χ^2/NDF: 126336.0/22

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

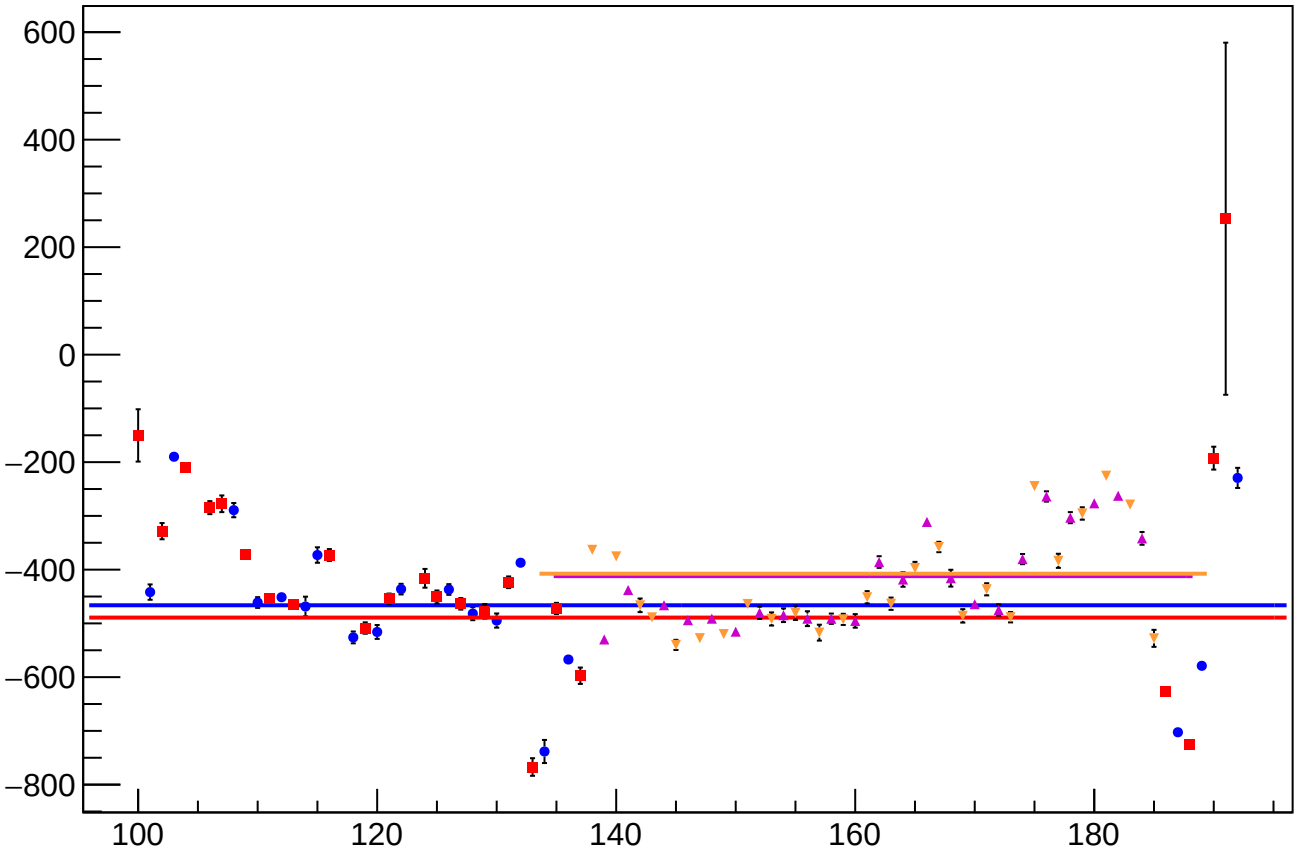
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -26.248+/-0.038 χ^2/NDF: 229703.0/41

In: -20.730+/-0.021 χ^2/NDF:217006.2/41

Out: -20.877+/-0.021 χ^2/NDF:278938.8/47

All: -20.805+/-0.015 χ^2/NDF: 495969.0/89



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: -489.191+/-2.141 χ^2/NDF: 5410.0/22

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

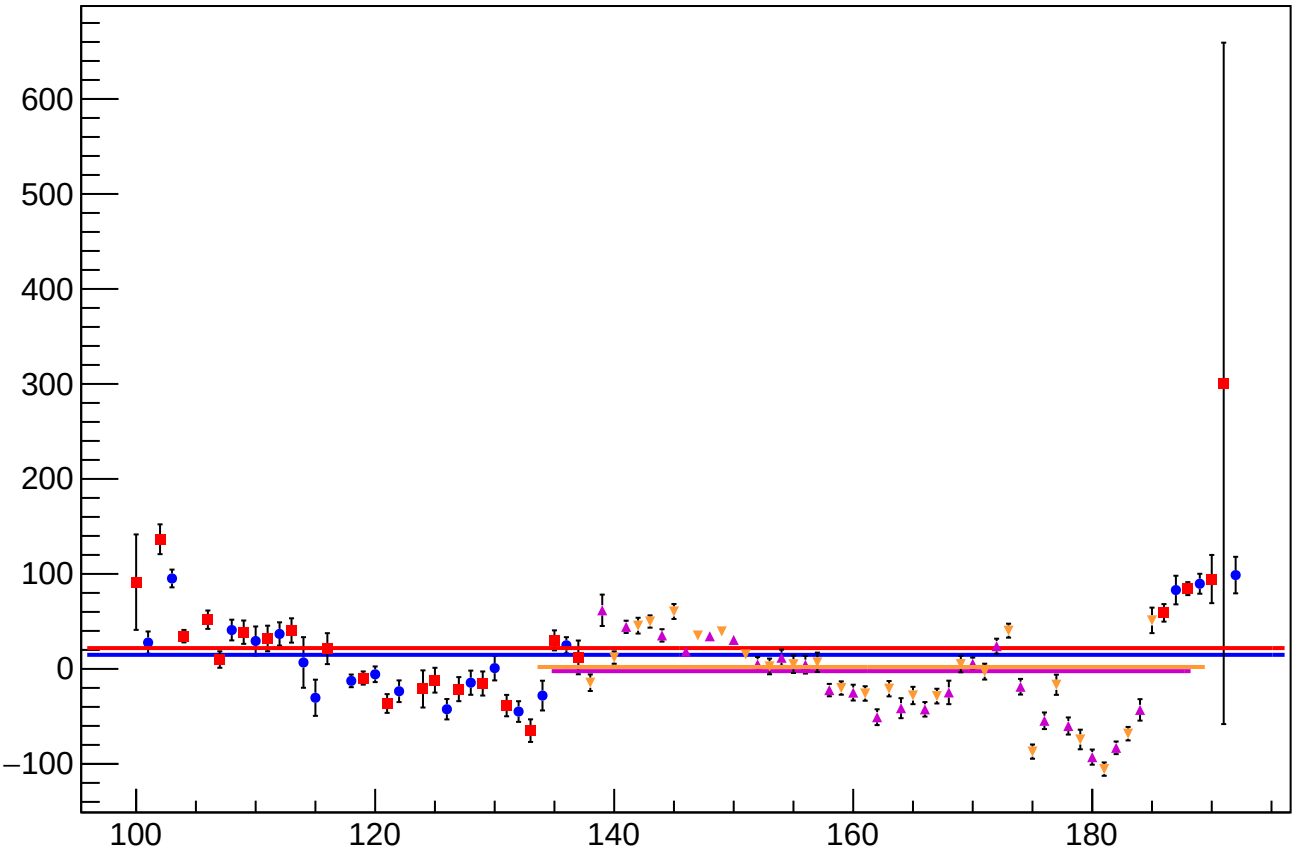
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -479.331+/-1.616 χ^2/NDF: 8081.9/41

In: -433.751+/-1.556 χ^2/NDF:5095.8/41

Out: -444.588+/-1.442 χ^2/NDF:9076.9/47

All: -439.582+/-1.058 χ^2/NDF: 14198.8/89



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: 21.927+/-2.307 χ^2/NDF: 354.8/22

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

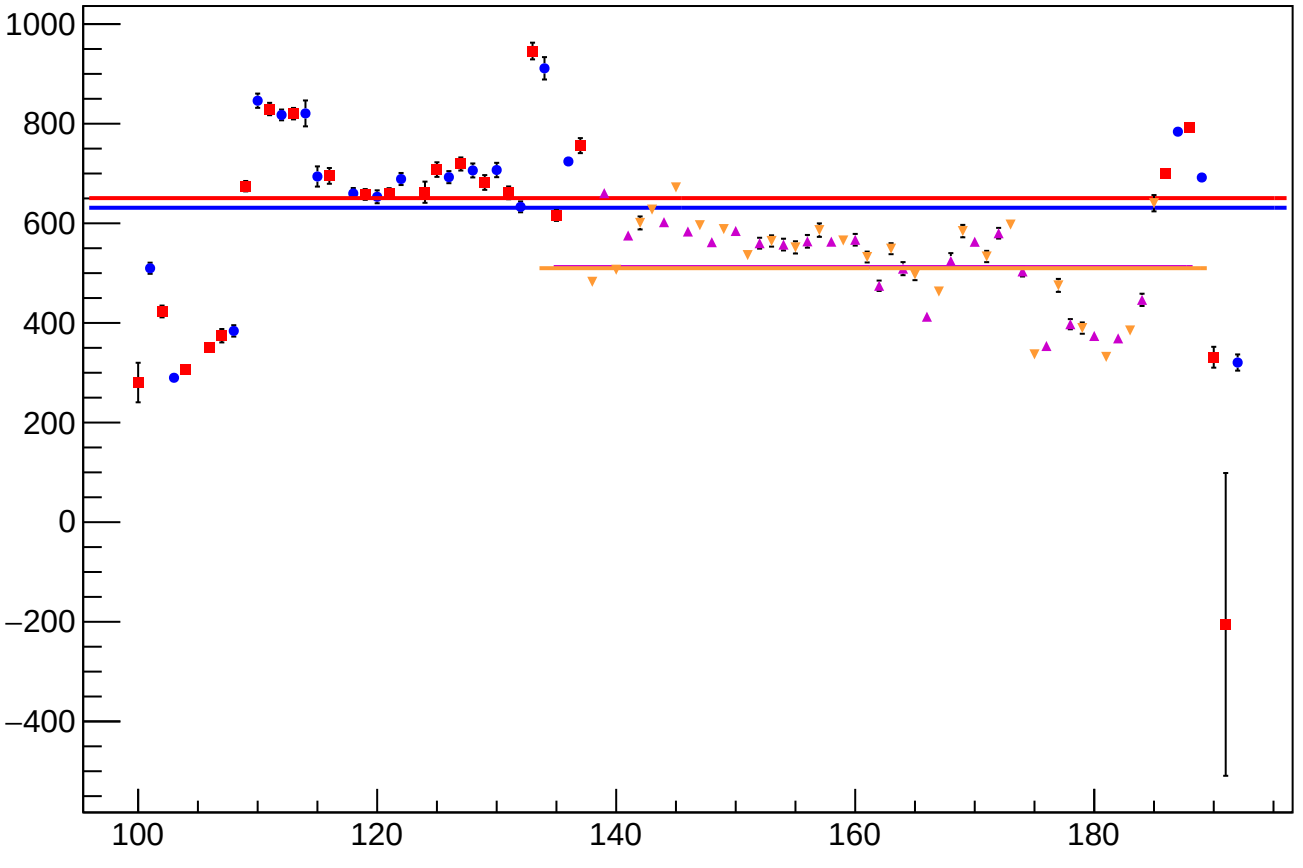
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 18.761+/-1.719 χ^2/NDF: 648.5/41

In: 1.905+/-1.285 χ^2/NDF:1056.2/41

Out: 7.533+/-1.213 χ^2/NDF:1319.3/47

All: 4.881+/-0.882 χ^2/NDF: 2385.7/89



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: 650.606+/-2.105 χ^2/NDF: 7103.0/22

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

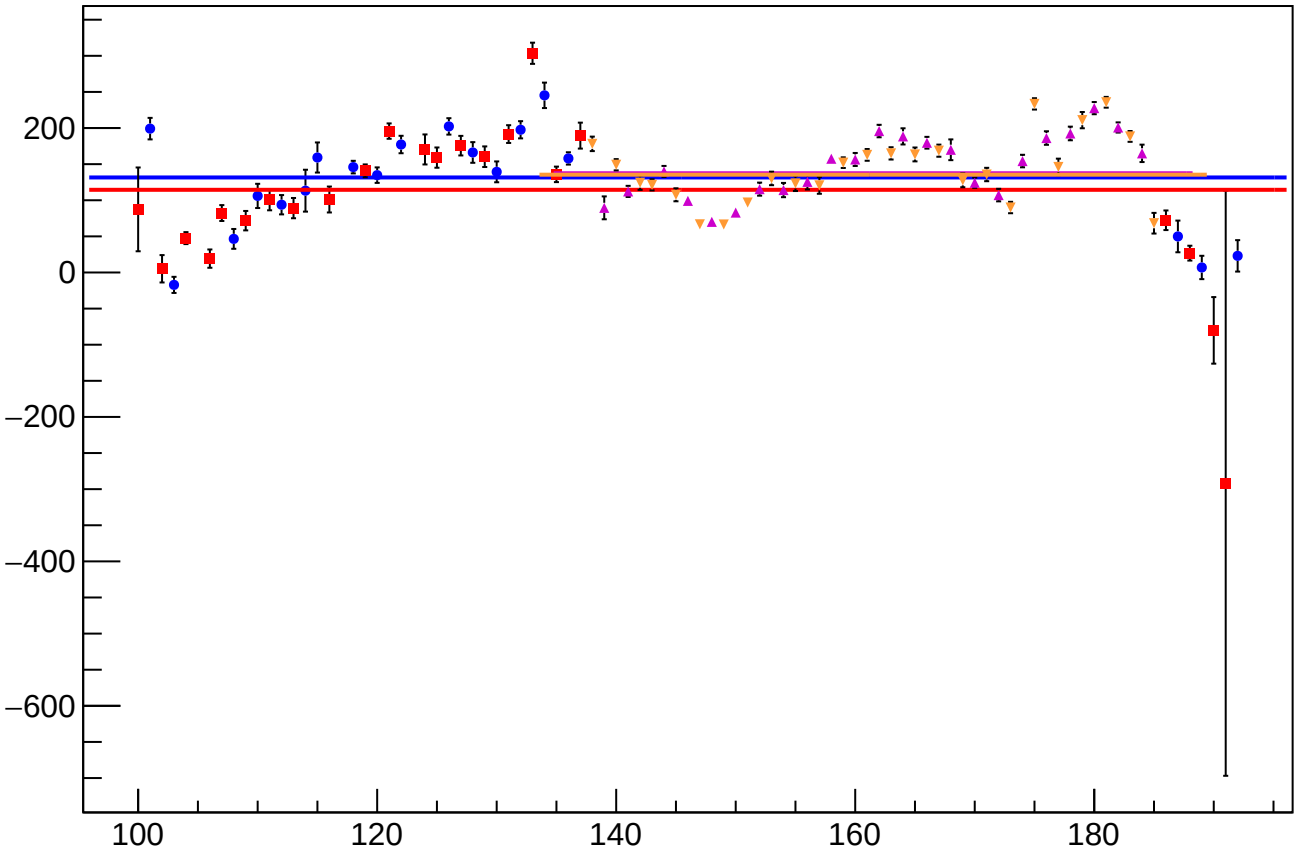
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 642.661+/-1.616 χ^2/NDF: 11907.3/41

In: 557.725+/-1.559 χ^2/NDF:8231.4/41

Out: 574.375+/-1.425 χ^2/NDF:12186.2/47

All: 566.800+/-1.052 χ^2/NDF: 20479.7/89



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: 114.473+/-2.794 χ^2/NDF: 621.6/22

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

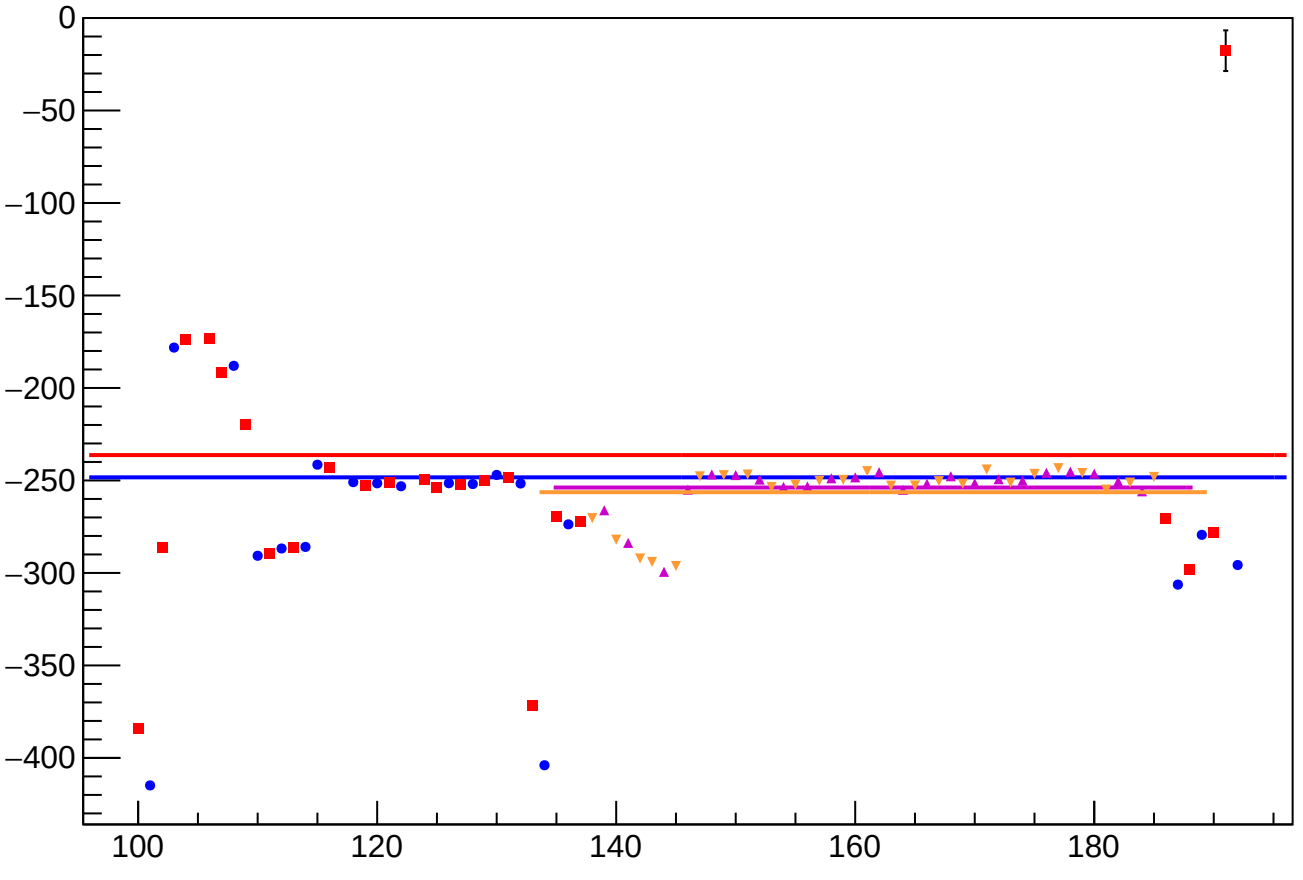
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 122.326+/-2.055 χ^2/NDF: 1130.0/41

In: 135.985+/-1.484 χ^2/NDF:1199.9/41

Out: 130.001+/-1.420 χ^2/NDF:1586.3/47

All: 132.861+/-1.026 χ^2/NDF: 2794.8/89



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: -236.286+/-0.149 χ^2/NDF: 118554.0/22

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

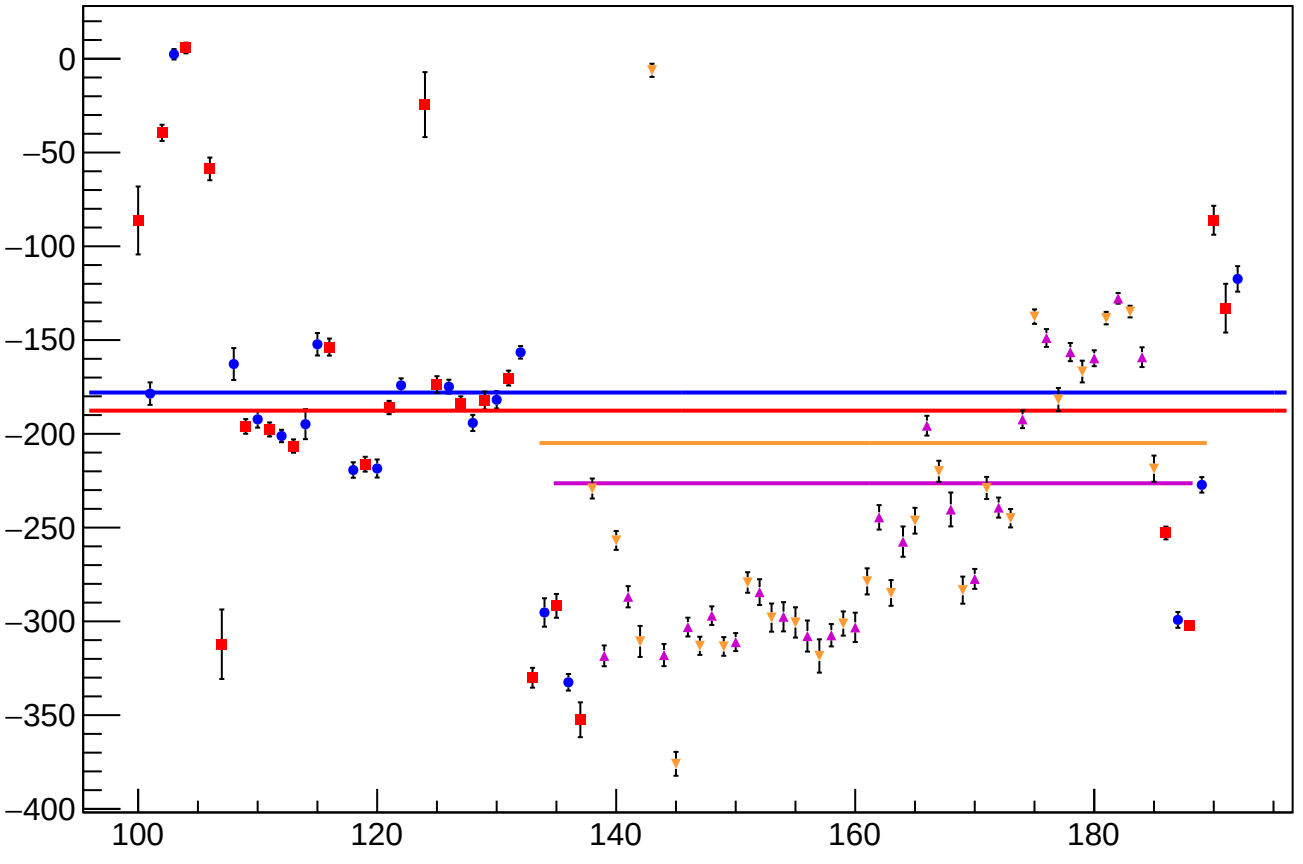
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -242.109+/-0.107 χ^2/NDF: 304710.6/41

In: -252.695+/-0.069 χ^2/NDF:208095.3/41

Out: -252.114+/-0.068 χ^2/NDF:172375.1/47

All: -252.401+/-0.049 χ^2/NDF: 380505.9/89



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: -187.639+/-0.904 χ^2/NDF: 11023.2/22

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

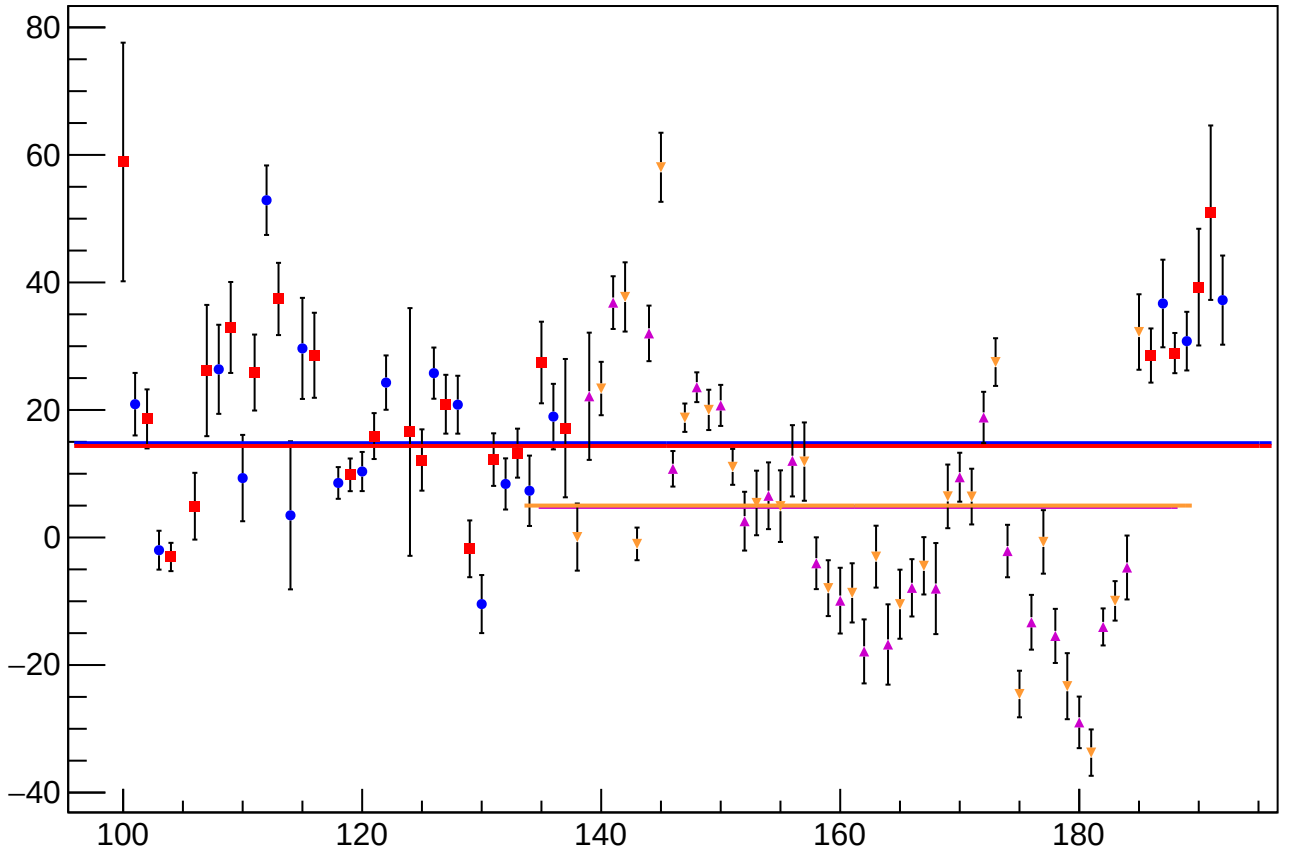
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -183.295+/-0.671 χ^2/NDF: 18109.0/41

In: -199.763+/-0.741 χ^2/NDF:12307.6/41

Out: -194.969+/-0.686 χ^2/NDF:19004.2/47

All: -197.179+/-0.503 χ^2/NDF: 31334.4/89



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: 14.356+/-0.951 χ^2/NDF: 174.7/22

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

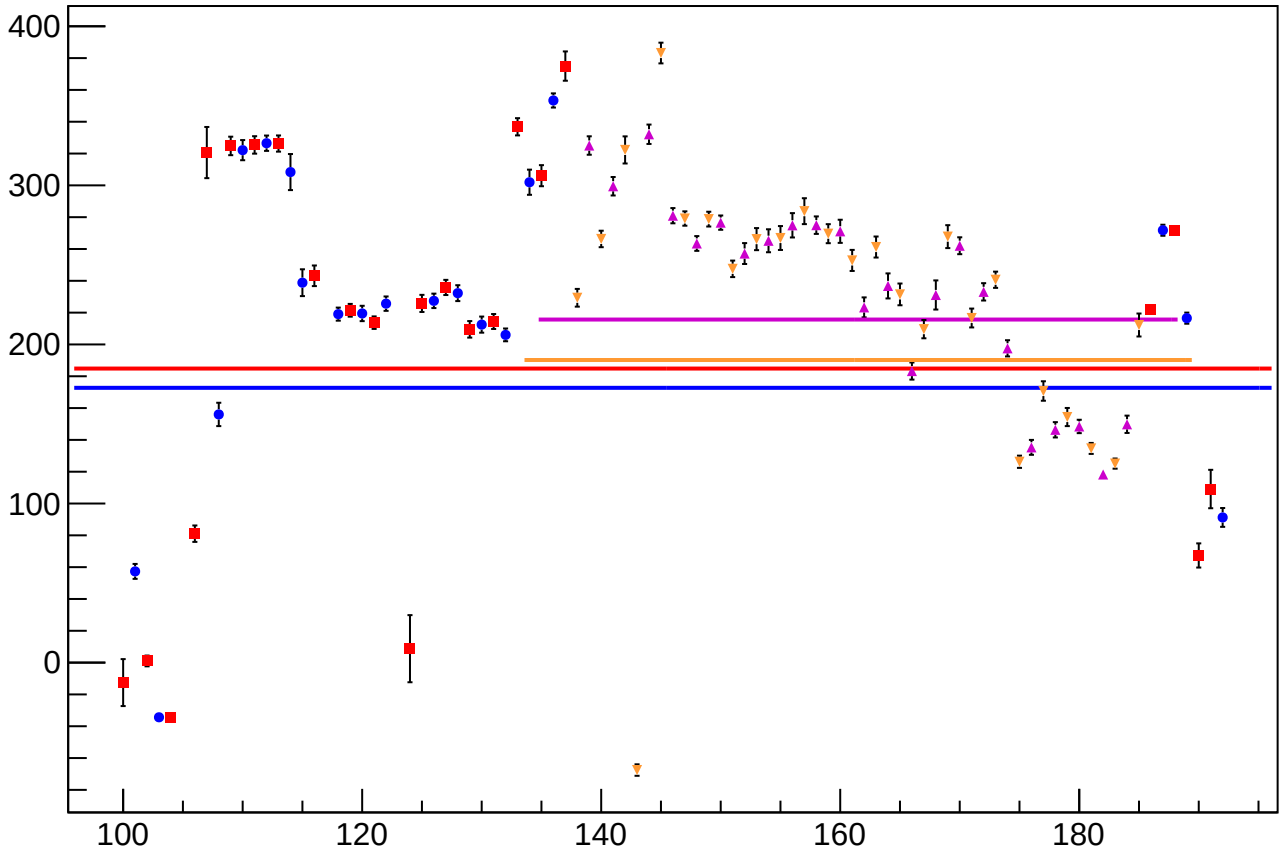
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 14.556+/-0.697 χ^2/NDF: 354.4/41

In: 8.850+/-0.653 χ^2/NDF:662.4/41

Out: 8.843+/-0.609 χ^2/NDF:780.2/47

All: 8.846+/-0.445 χ^2/NDF: 1442.5/89



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: 184.842+/-0.886 χ^2/NDF: 19977.8/22

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

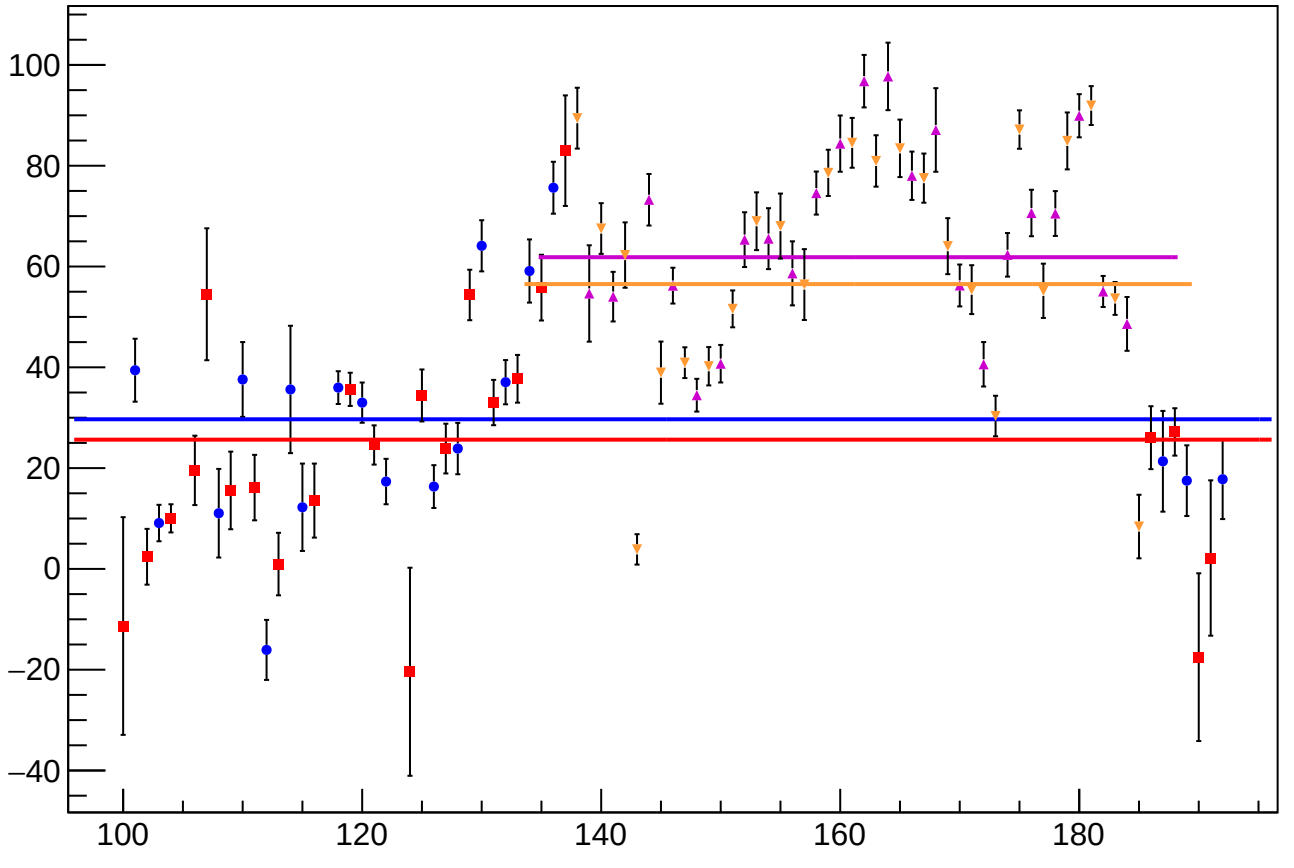
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 179.626+/-0.668 χ^2/NDF: 35287.9/41

In: 192.569+/-0.747 χ^2/NDF:19936.8/41

Out: 187.077+/-0.677 χ^2/NDF:29377.1/47

All: 189.555+/-0.502 χ^2/NDF: 49343.6/89



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: 25.645+/-1.148 χ^2/NDF: 197.0/22

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

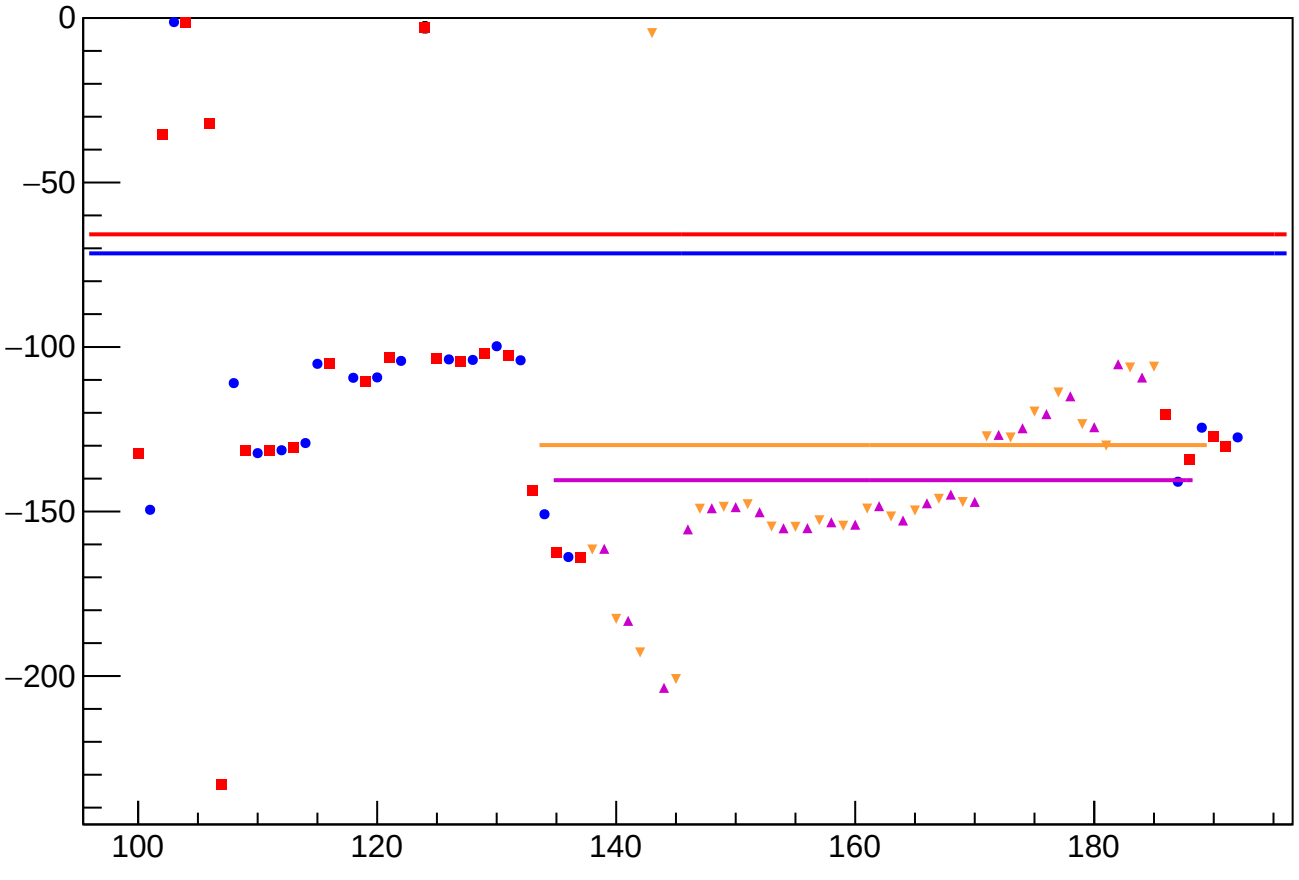
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 27.560+/-0.833 χ^2/NDF: 486.2/41

In: 49.418+/-0.753 χ^2/NDF:1036.6/41

Out: 44.623+/-0.713 χ^2/NDF:1440.1/47

All: 46.889+/-0.518 χ^2/NDF: 2498.0/89



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: -65.750+/-0.059 χ^2/NDF: 1025285.9/22

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

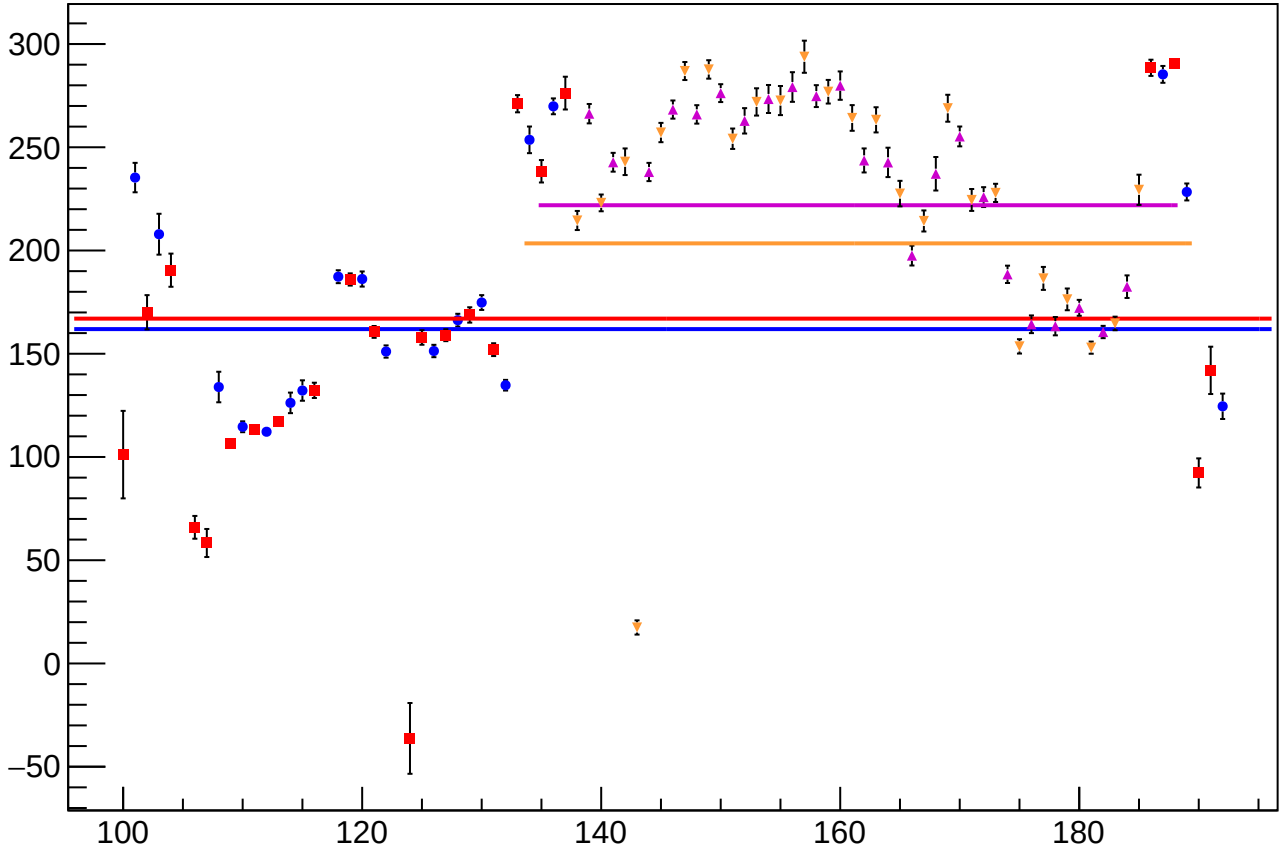
Right: -68.567+/-0.042 χ^2/NDF: 2180861.2/41

In: -116.737+/-0.035 χ^2/NDF:2263784.4/41

Out: -107.997+/-0.034 χ^2/NDF:2836401.1/47

All: -112.227+/-0.025 χ^2/NDF: 5131714.6/89

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 167.007+/-0.752 χ^2/NDF: 7947.2/22

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

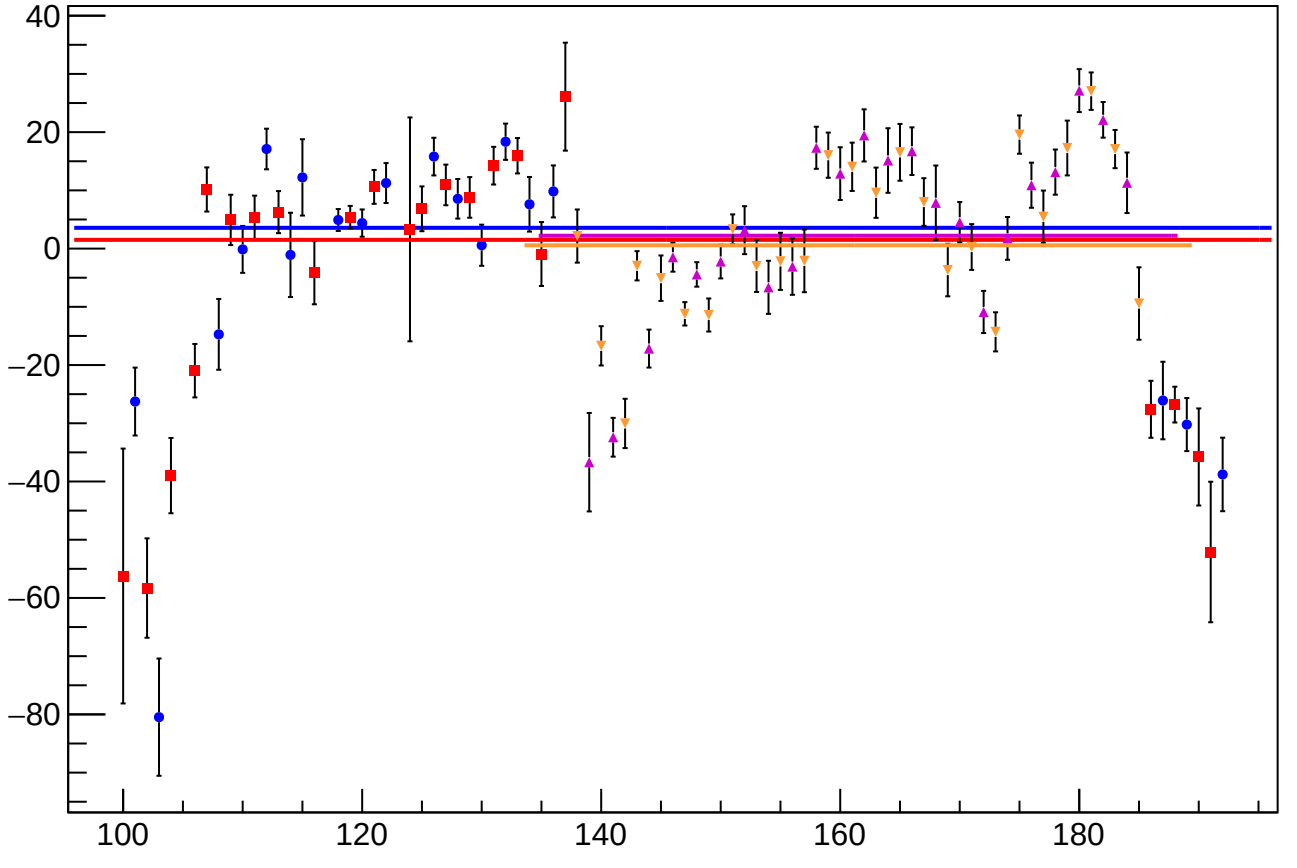
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 164.703+/-0.556 χ^2/NDF: 11544.4/41

In: 186.137+/-0.637 χ^2/NDF:7697.6/41

Out: 180.994+/-0.590 χ^2/NDF:14340.1/47

All: 183.370+/-0.433 χ^2/NDF: 22072.7/89



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: 1.502+/-0.835 χ^2/NDF: 361.7/22

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

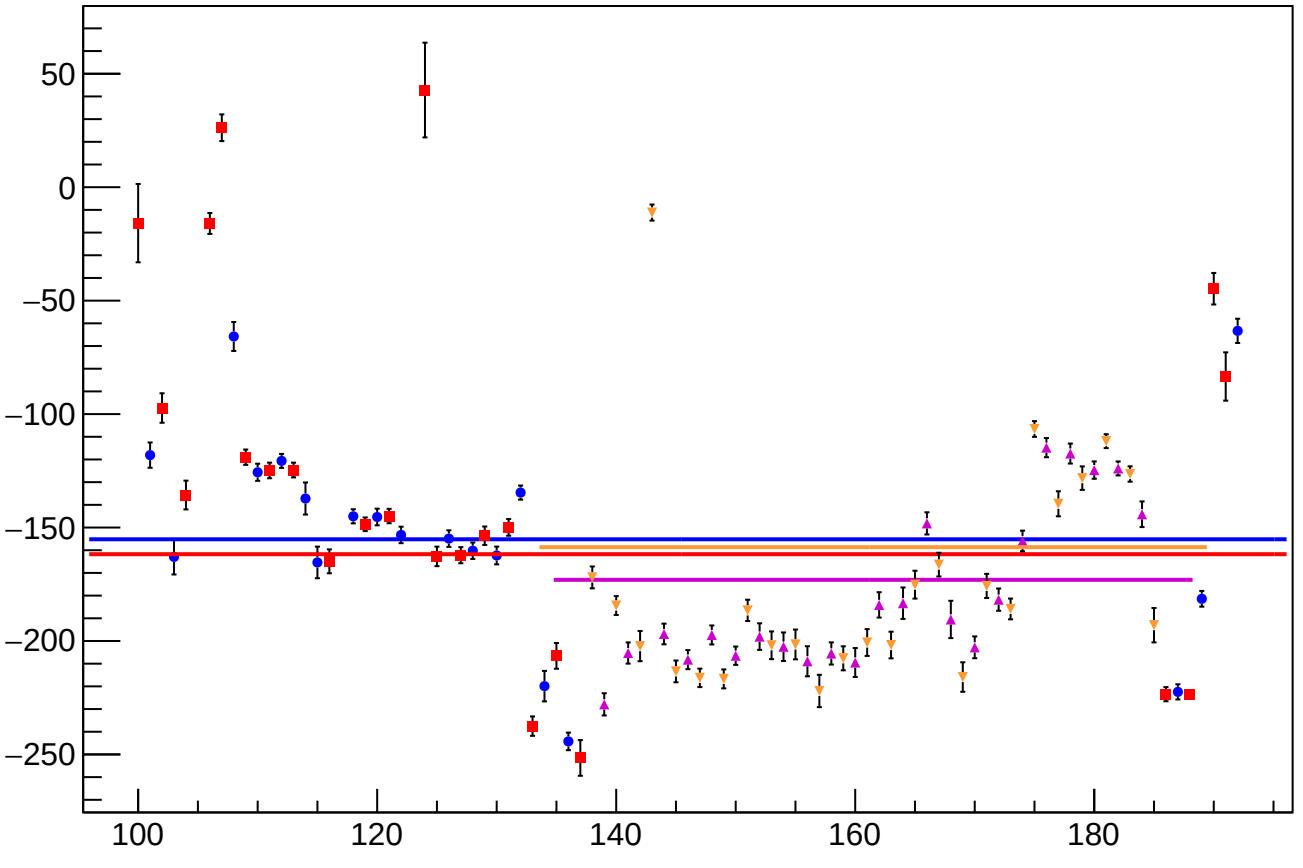
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: 2.507+/-0.599 χ^2/NDF: 655.5/41

In: 2.807+/-0.569 χ^2/NDF:650.4/41

Out: 0.963+/-0.543 χ^2/NDF:707.8/47

All: 1.843+/-0.393 χ^2/NDF: 1363.7/89



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: -161.752+/-0.826 χ^2/NDF: 5240.6/22

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

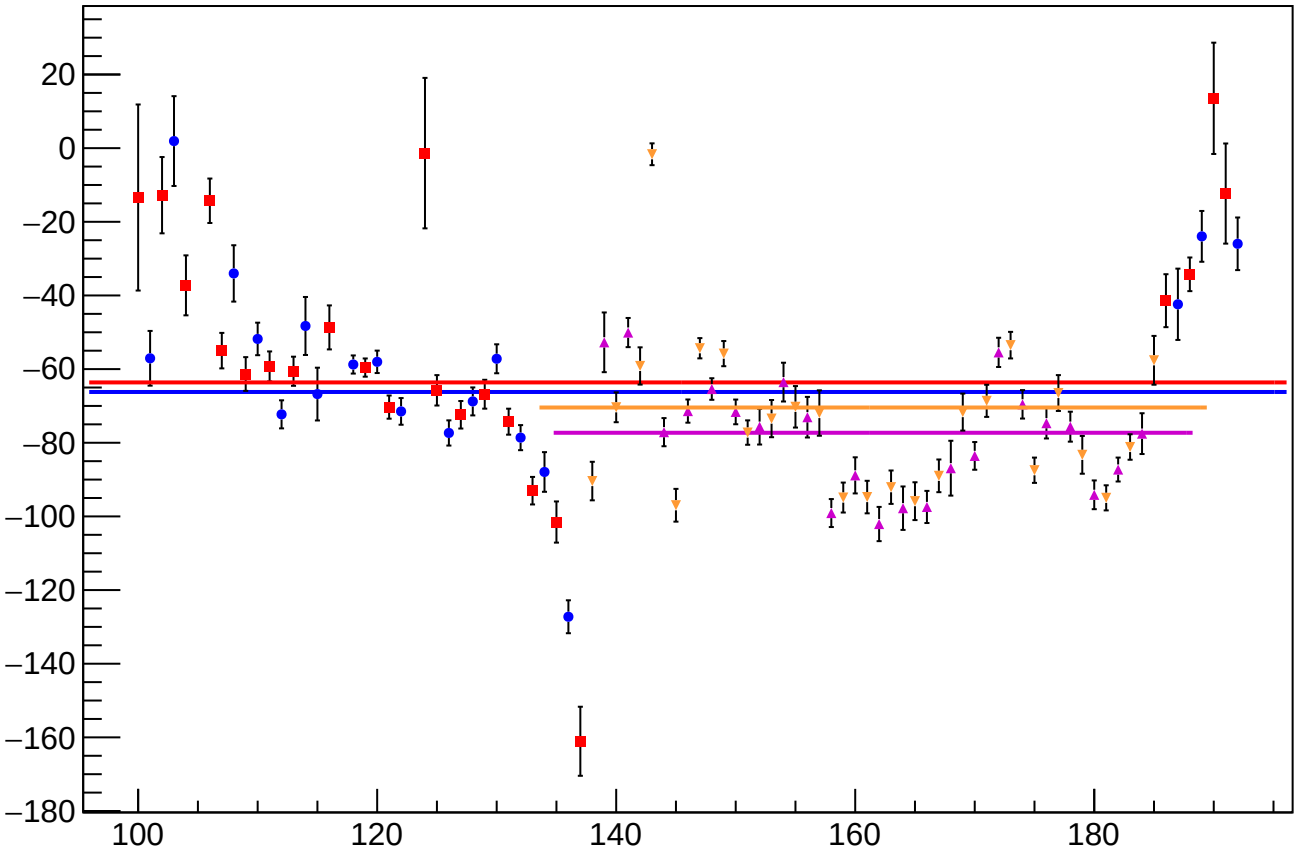
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -158.850+/-0.617 χ^2/NDF: 7148.9/41

In: -163.494+/-0.679 χ^2/NDF:3452.4/41

Out: -160.421+/-0.623 χ^2/NDF:8738.4/47

All: -161.826+/-0.459 χ^2/NDF: 12201.9/89



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: -63.616+/-0.985 χ^2/NDF: 455.8/22

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

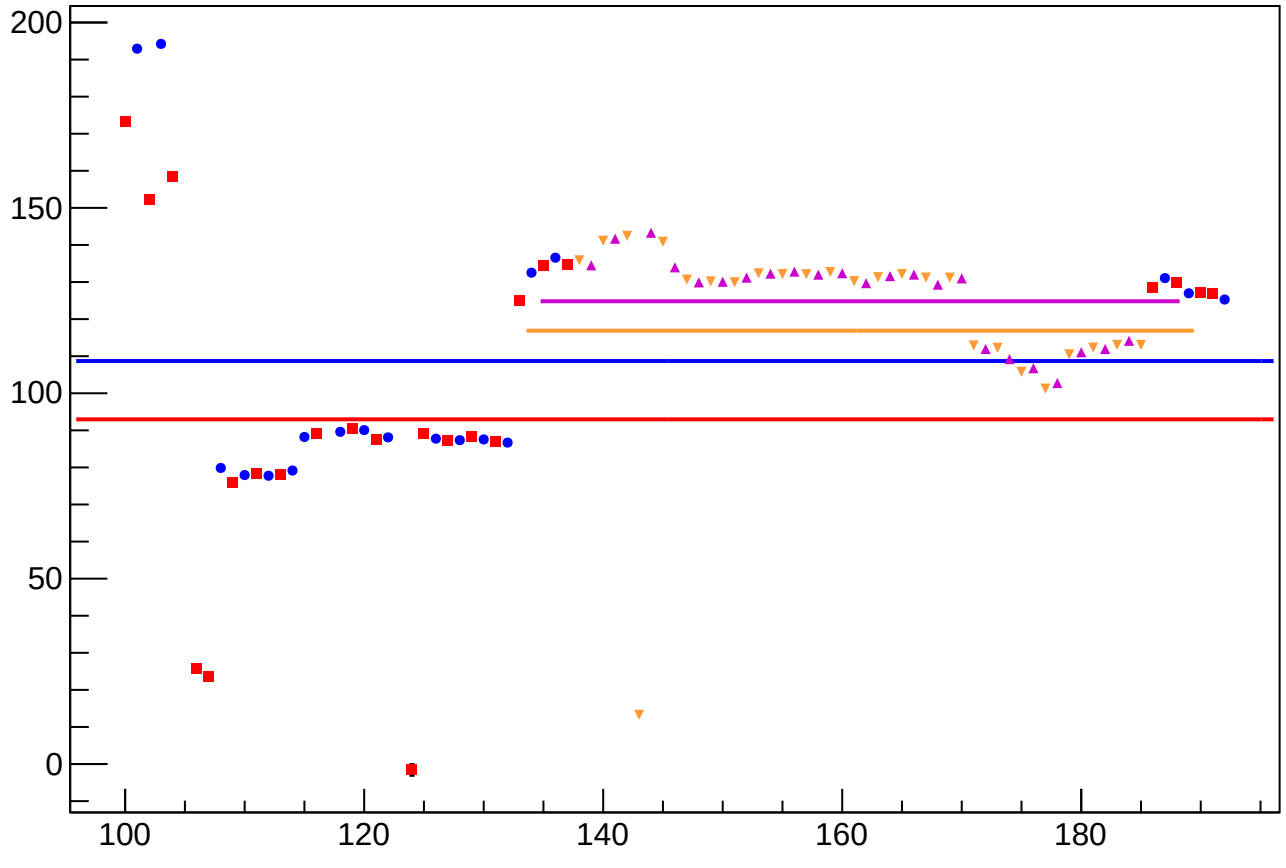
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -64.886+/-0.704 χ^2/NDF: 853.8/41

In: -72.575+/-0.656 χ^2/NDF:718.6/41

Out: -67.633+/-0.631 χ^2/NDF:1385.6/47

All: -70.007+/-0.455 χ^2/NDF: 2133.7/89



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: 92.967+/-0.061 χ^2/NDF: 424995.1/22

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

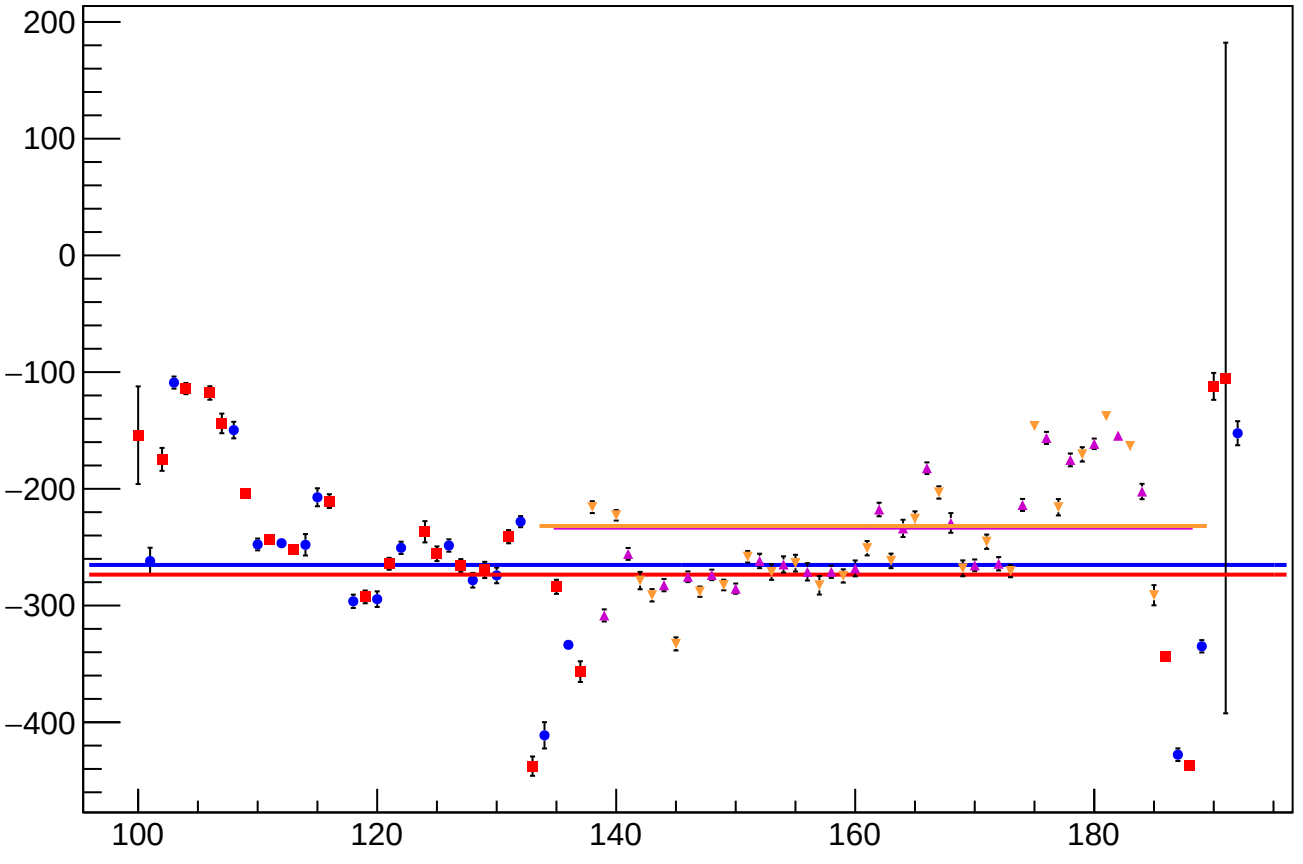
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 100.311+/-0.045 χ^2/NDF: 708136.5/41

In: 120.538+/-0.034 χ^2/NDF:385111.2/41

Out: 110.210+/-0.032 χ^2/NDF:1158013.2/47

All: 115.162+/-0.023 χ^2/NDF: 1591995.1/89



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: -273.522+/-1.154 χ^2/NDF: 6963.7/22

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

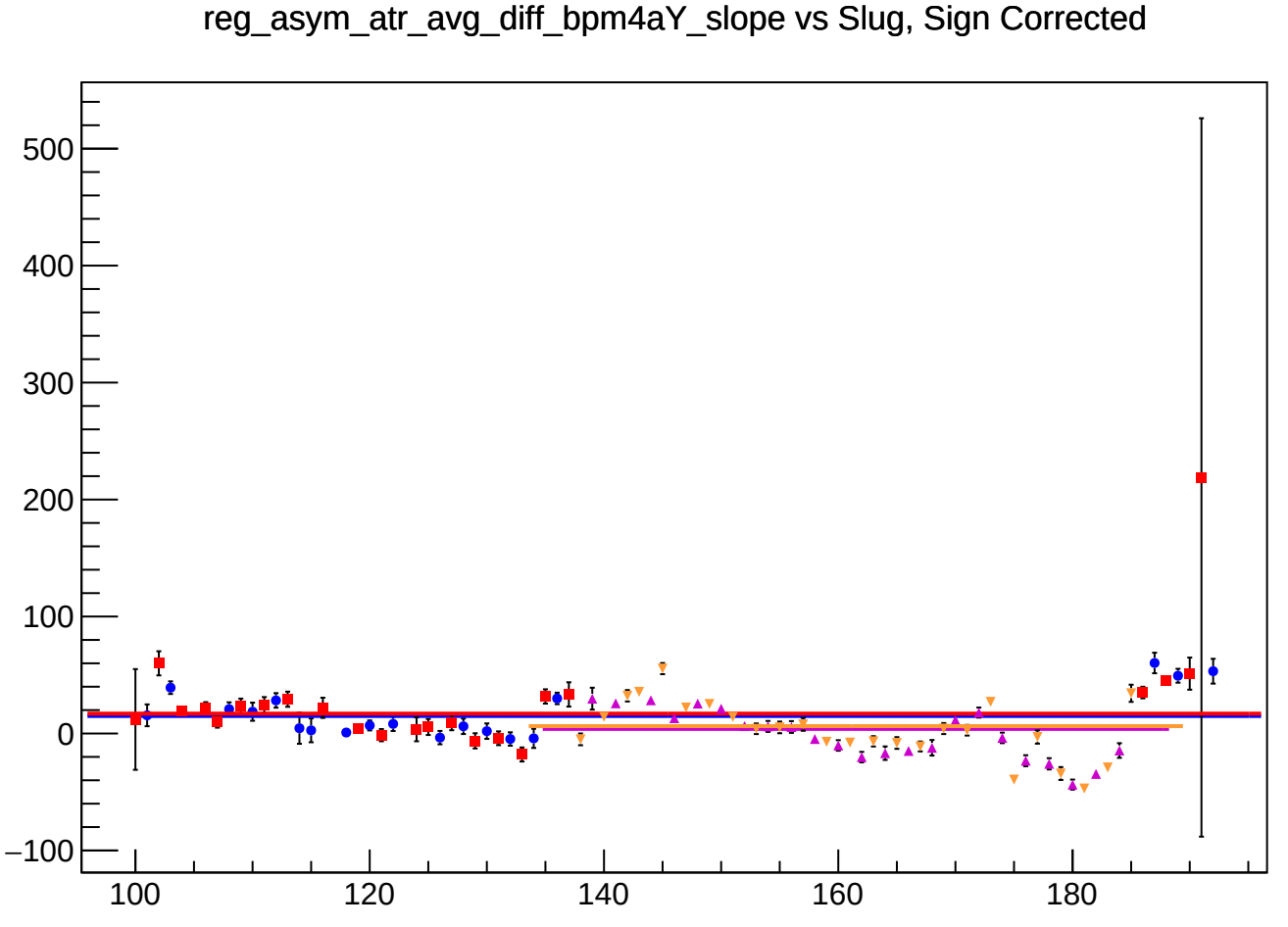
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

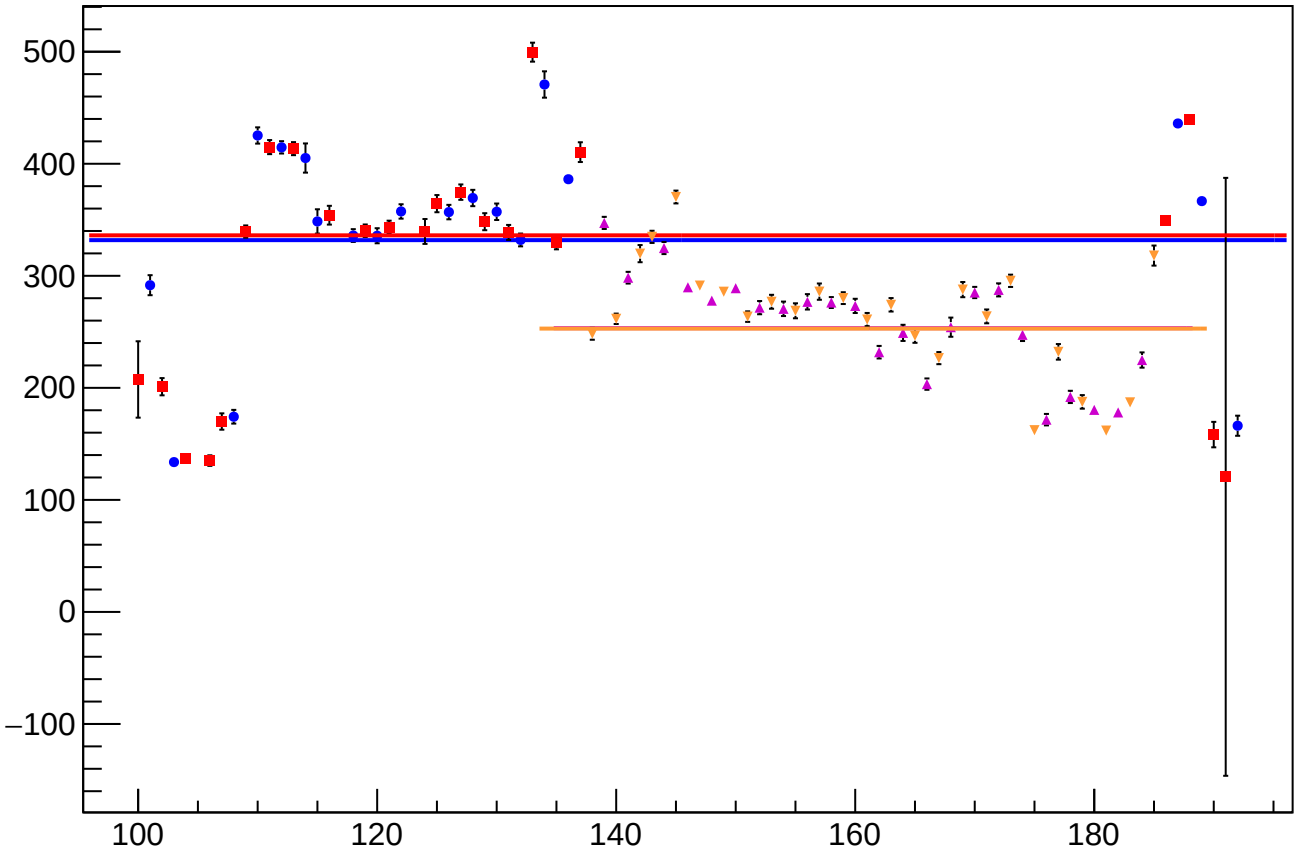
Right: -269.964+/-0.873 χ^2/NDF: 10016.1/41

In: -246.304+/-0.852 χ^2/NDF:5437.0/41

Out: -251.312+/-0.789 χ^2/NDF:10335.5/47

All: -249.001+/-0.579 χ^2/NDF: 15791.2/89


reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
500
400
300
200
100
0
−100
100
120
140
160
180
Right In: 14.977+/-1.397 χ²/NDF: 165.6/18
Left Out: 6.288+/-0.789 χ²/NDF:871.5/24
Right Out: 16.992+/-1.247 χ²/NDF: 197.1/22
Left In: 3.906+/-0.818 χ²/NDF:650.3/22
Left: 5.140+/-0.568 χ²/NDF: 1526.1/47
Right: 16.098+/-0.930 χ²/NDF: 363.9/41
In: 6.734+/-0.706 χ²/NDF:862.7/41
Out: 9.350+/-0.667 χ²/NDF:1121.2/47
All: 8.117+/-0.485 χ²/NDF: 1991.1/89



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: 336.119+/-1.158 χ^2/NDF: 8509.5/22

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

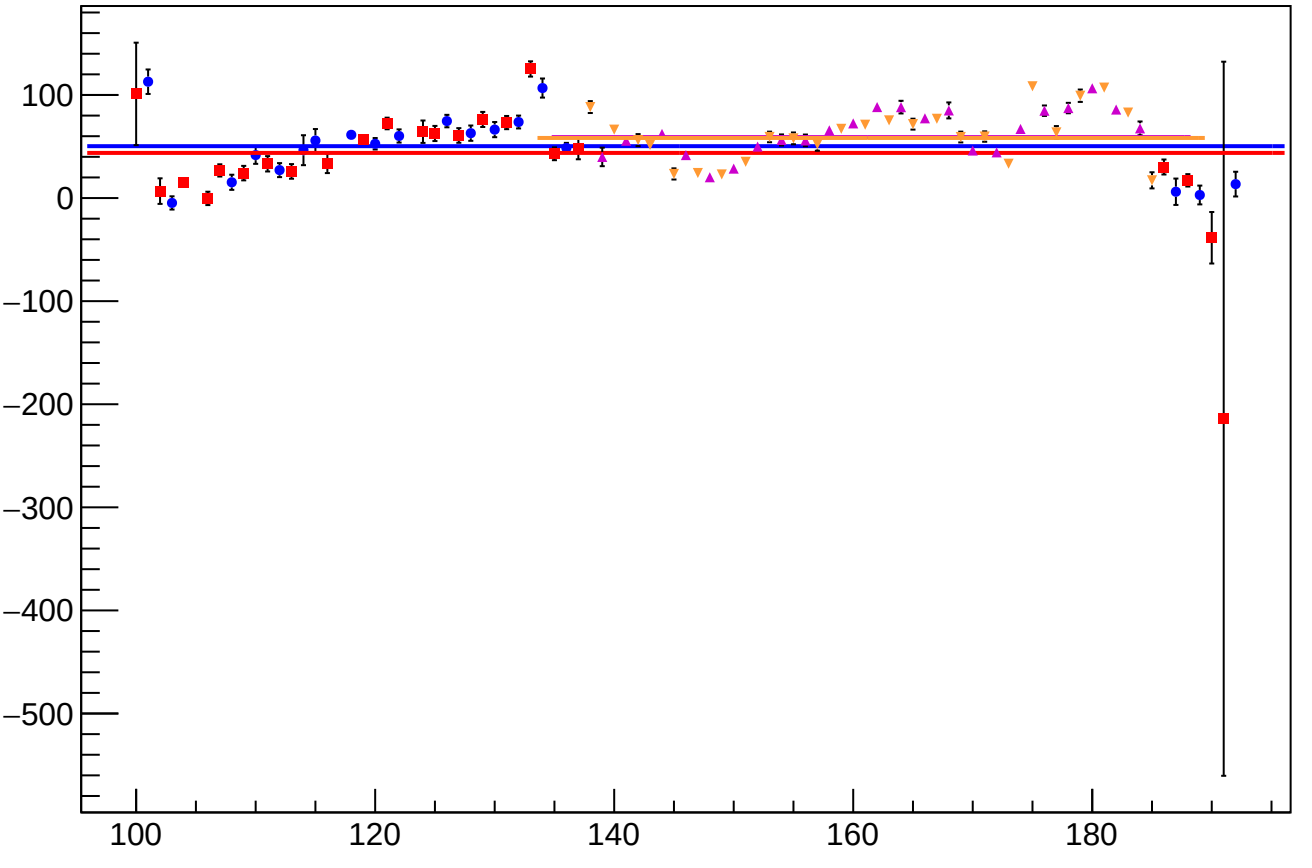
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 334.372+/-0.892 χ^2/NDF: 13321.6/41

In: 283.056+/-0.861 χ^2/NDF:8825.4/41

Out: 291.233+/-0.786 χ^2/NDF:13873.9/47

All: 287.518+/-0.581 χ^2/NDF: 22748.4/89



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: 43.795+/-1.504 χ^2/NDF: 363.4/22

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

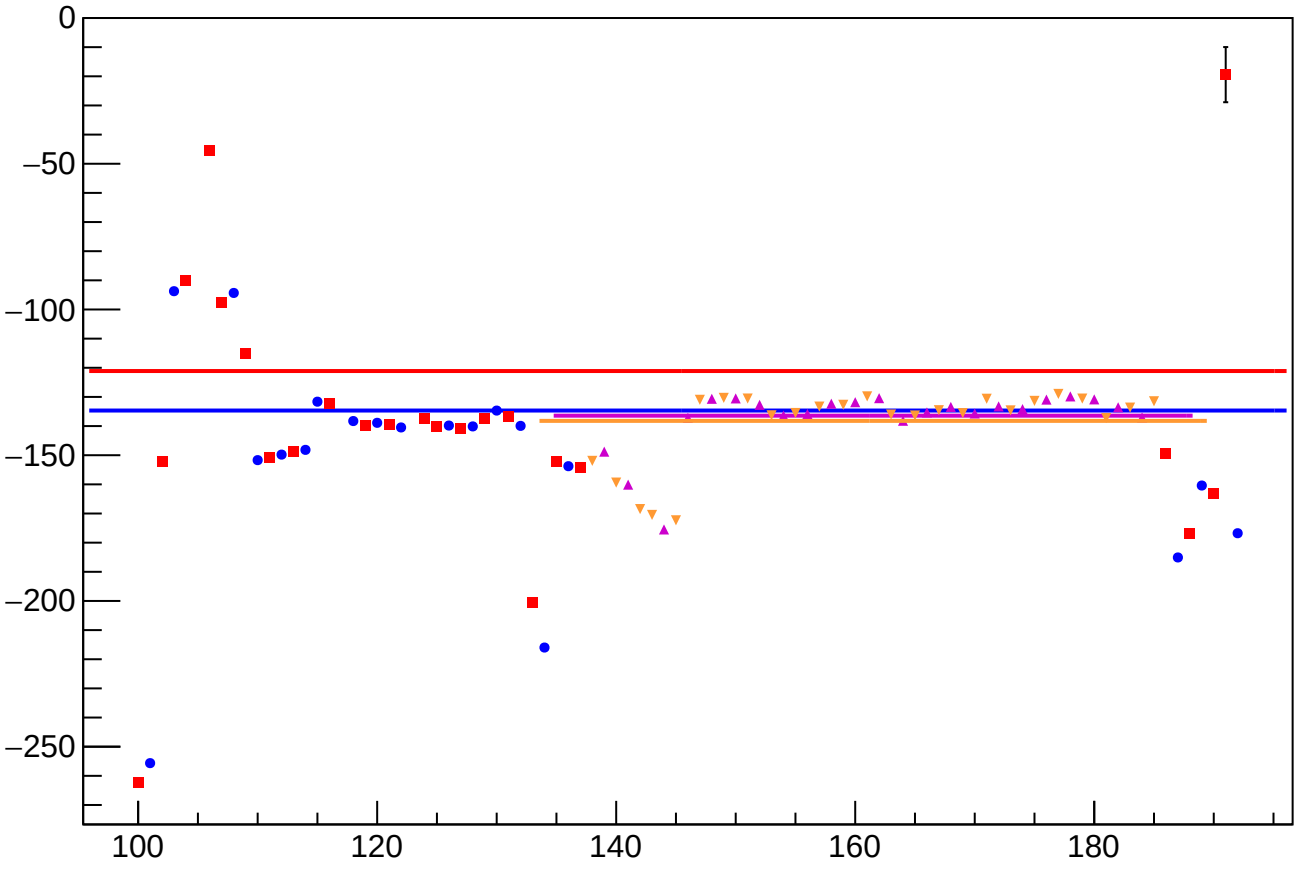
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 46.779+/-1.109 χ^2/NDF: 641.1/41

In: 56.976+/-0.815 χ^2/NDF:923.3/41

Out: 54.408+/-0.779 χ^2/NDF:1281.8/47

All: 55.636+/-0.563 χ^2/NDF: 2210.2/89



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: -121.116+/-0.081 χ^2/NDF: 245884.8/22

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

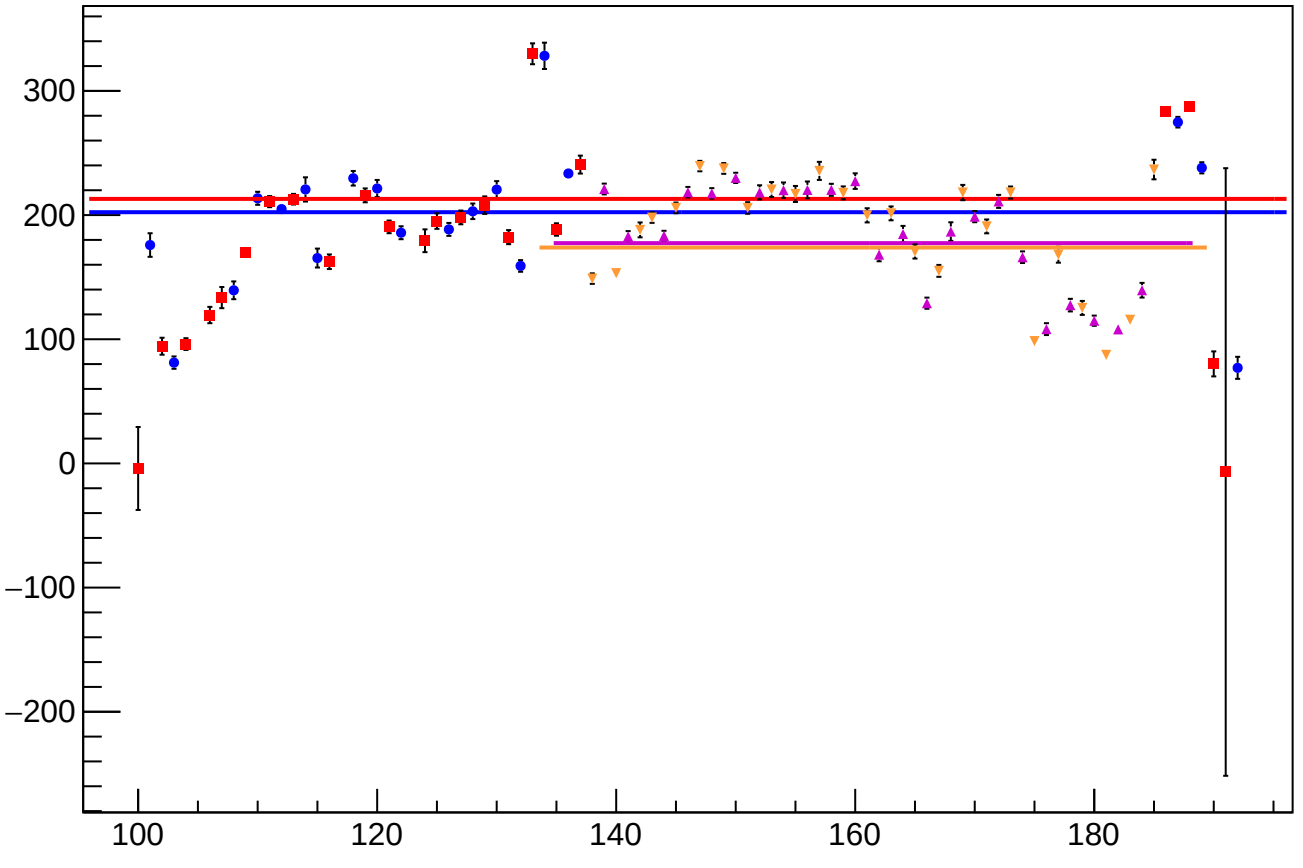
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -127.511+/-0.059 χ^2/NDF: 456527.1/41

In: -136.079+/-0.038 χ^2/NDF:247672.4/41

Out: -134.550+/-0.038 χ^2/NDF:362435.0/47

All: -135.301+/-0.027 χ^2/NDF: 610916.0/89



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: 213.033+/-1.089 χ^2/NDF: 3330.2/22

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

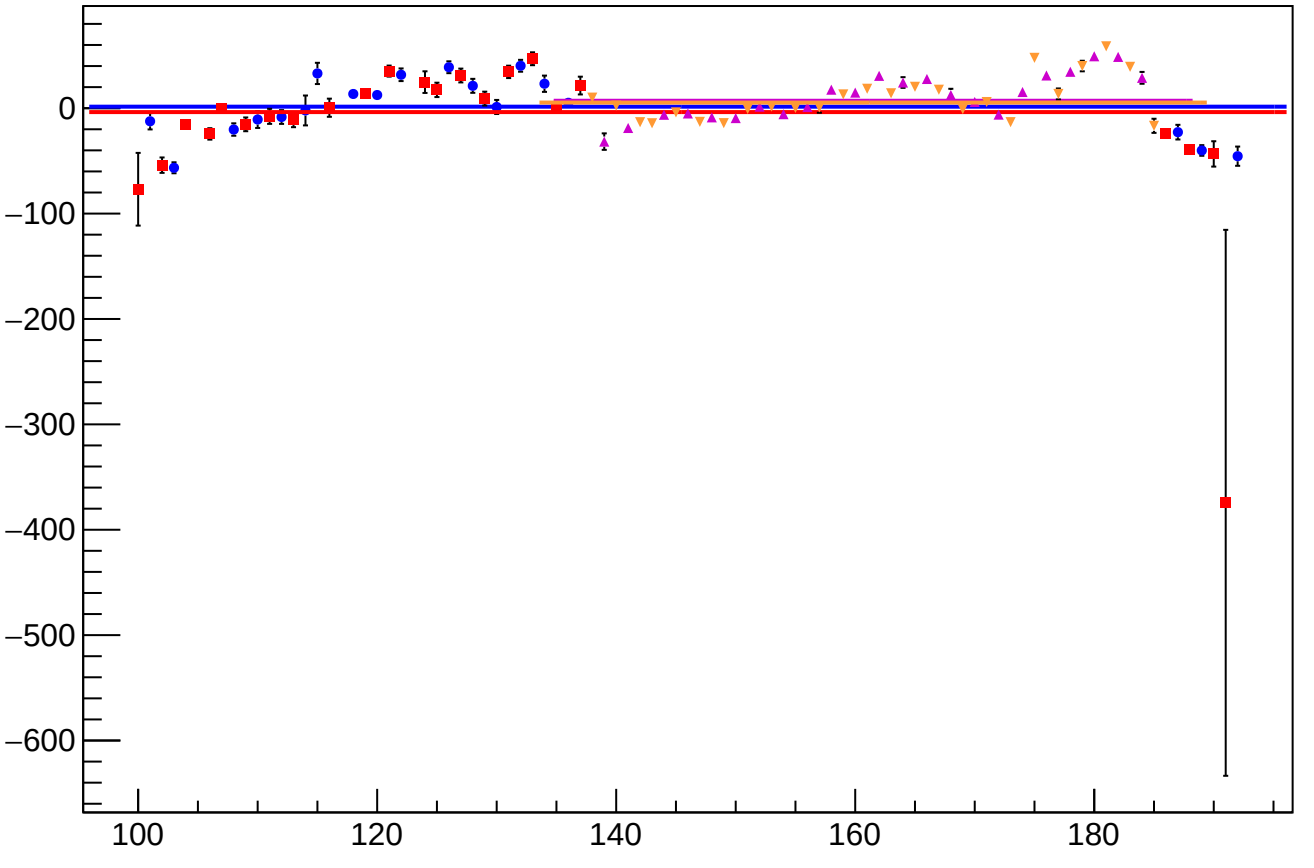
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 208.486+/-0.826 χ^2/NDF: 4988.3/41

In: 186.905+/-0.783 χ^2/NDF:3818.7/41

Out: 191.041+/-0.721 χ^2/NDF:6684.8/47

All: 189.143+/-0.530 χ^2/NDF: 10518.7/89



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: -3.686+/-1.197 χ^2/NDF: 486.2/22

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

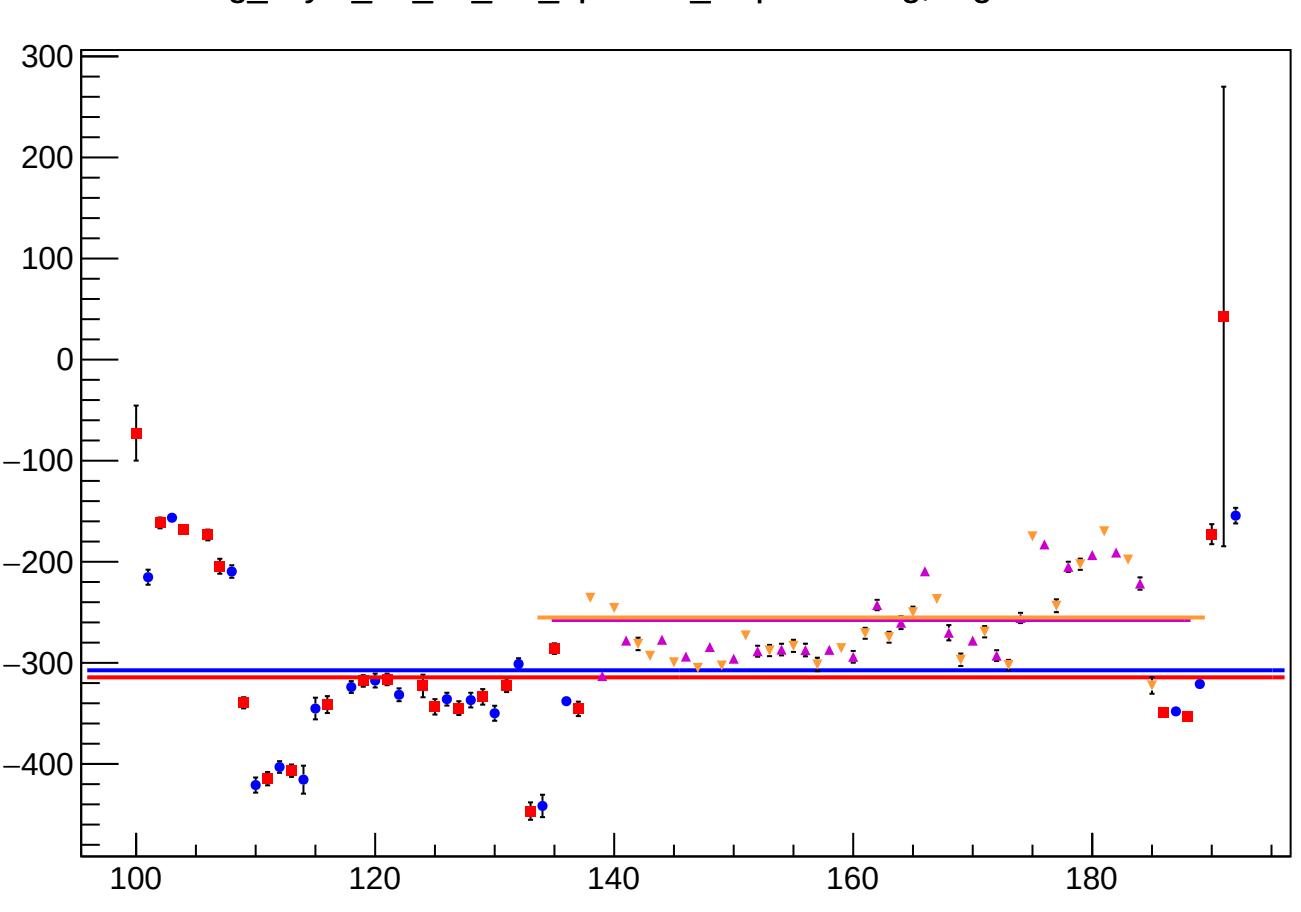
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -1.415+/-0.894 χ^2/NDF: 908.4/41

In: 5.755+/-0.649 χ^2/NDF:1137.1/41

Out: 3.006+/-0.611 χ^2/NDF:1338.4/47

All: 4.297+/-0.445 χ^2/NDF: 2485.0/89



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: -314.335+/-1.058 χ^2/NDF: 4942.2/22

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

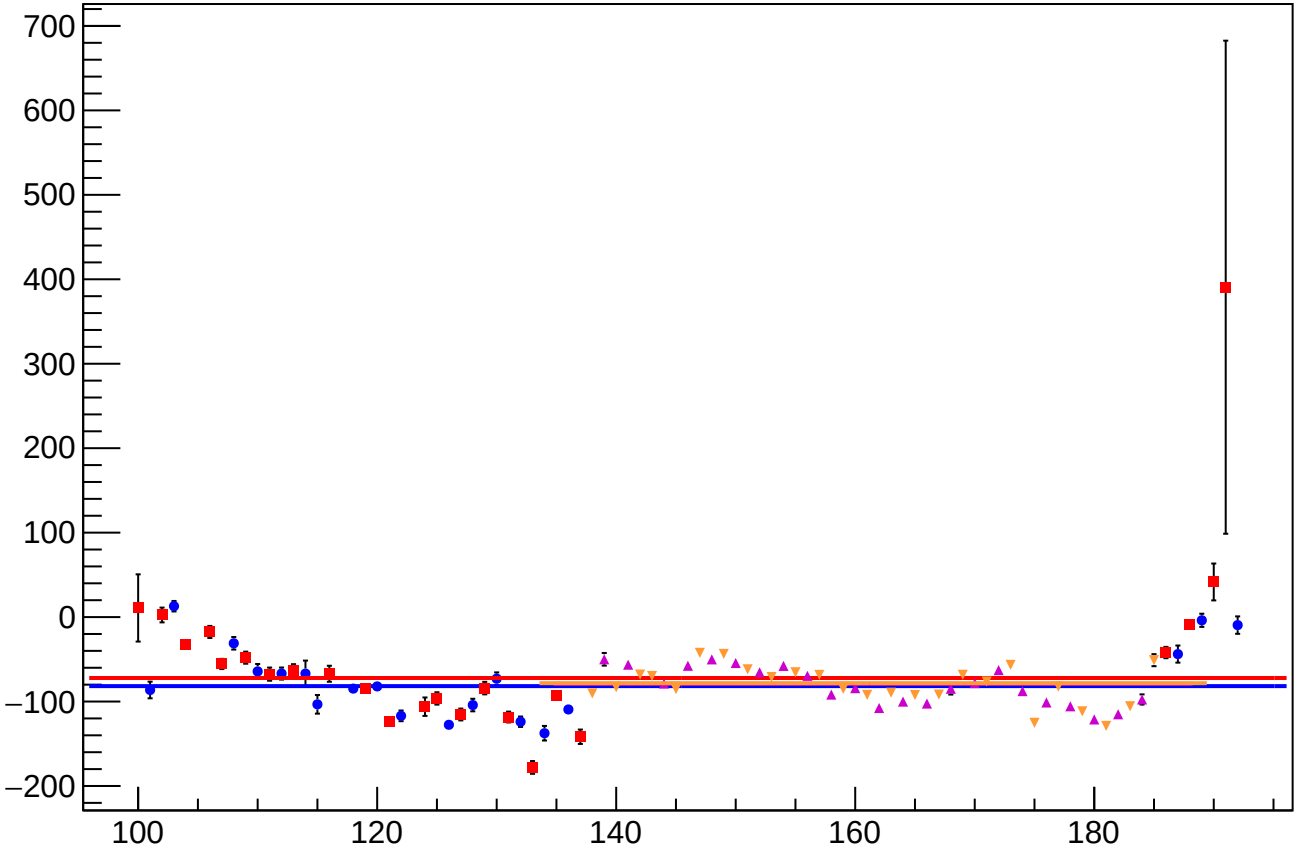
Right: -311.542+/-0.819 χ^2/NDF: 8291.1/41

In: -275.845+/-0.784 χ^2/NDF:6075.6/41

Out: -281.747+/-0.709 χ^2/NDF:9011.0/47

All: -279.089+/-0.526 χ^2/NDF: 15117.7/89

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -72.112+/-1.453 χ^2/NDF: 931.3/22

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

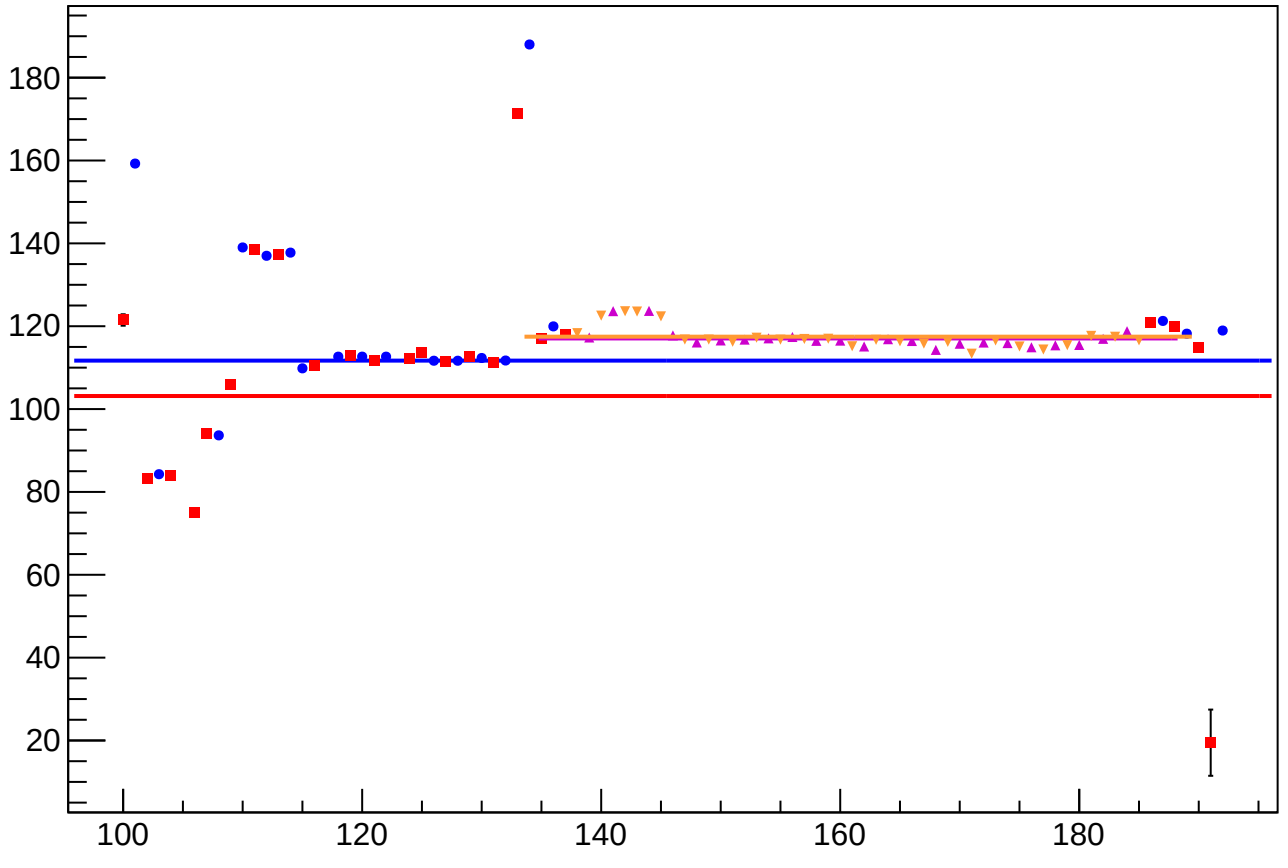
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -76.522+/-1.069 χ^2/NDF: 1641.2/41

In: -79.664+/-0.748 χ^2/NDF:1394.7/41

Out: -76.803+/-0.713 χ^2/NDF:1813.2/47

All: -78.166+/-0.516 χ^2/NDF: 3215.6/89



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: 103.152+/-0.076 χ^2/NDF: 68466.1/22

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

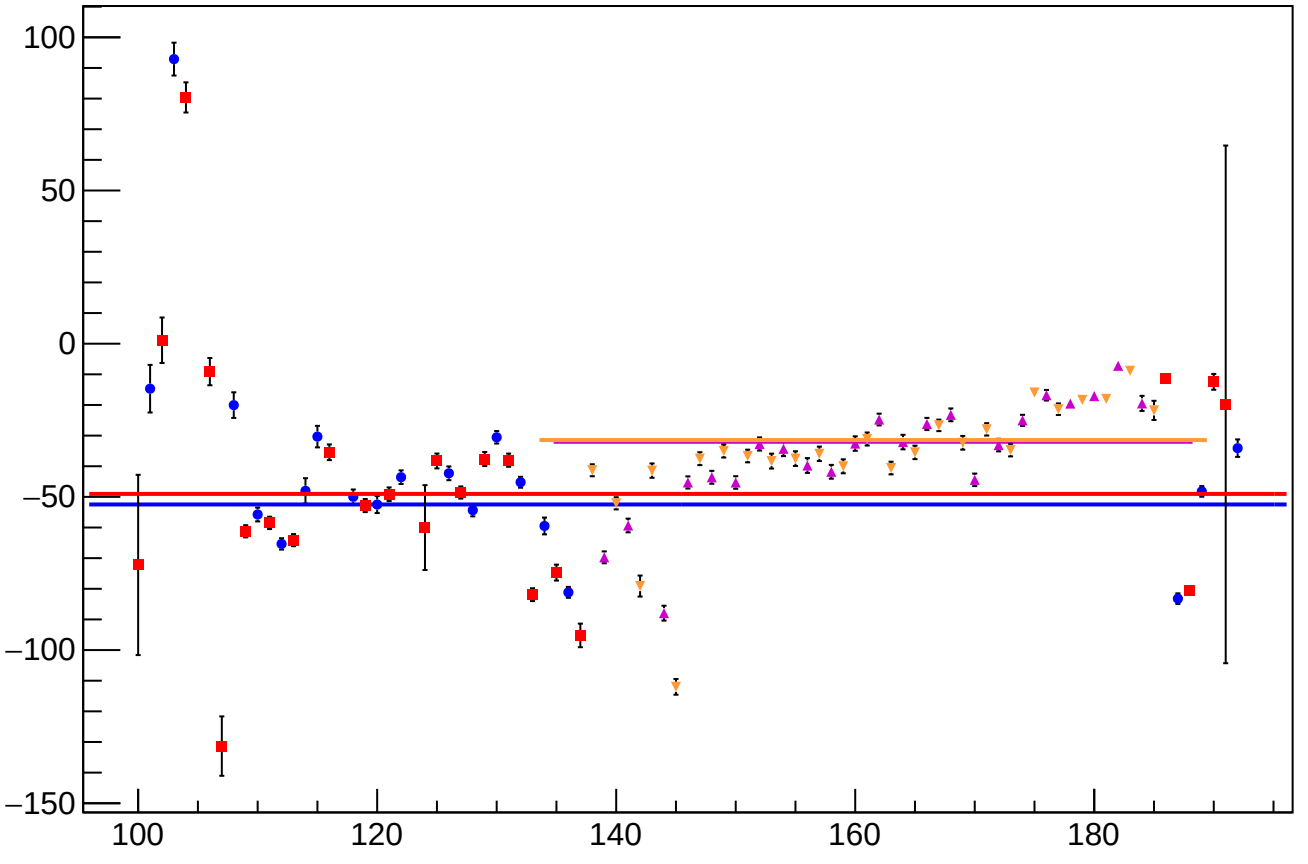
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 107.191+/-0.055 χ^2/NDF: 159174.8/41

In: 116.042+/-0.035 χ^2/NDF:91684.0/41

Out: 114.613+/-0.034 χ^2/NDF:101607.2/47

All: 115.311+/-0.024 χ^2/NDF: 194154.4/89



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: -49.031+/-0.457 χ^2/NDF: 4077.3/22

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

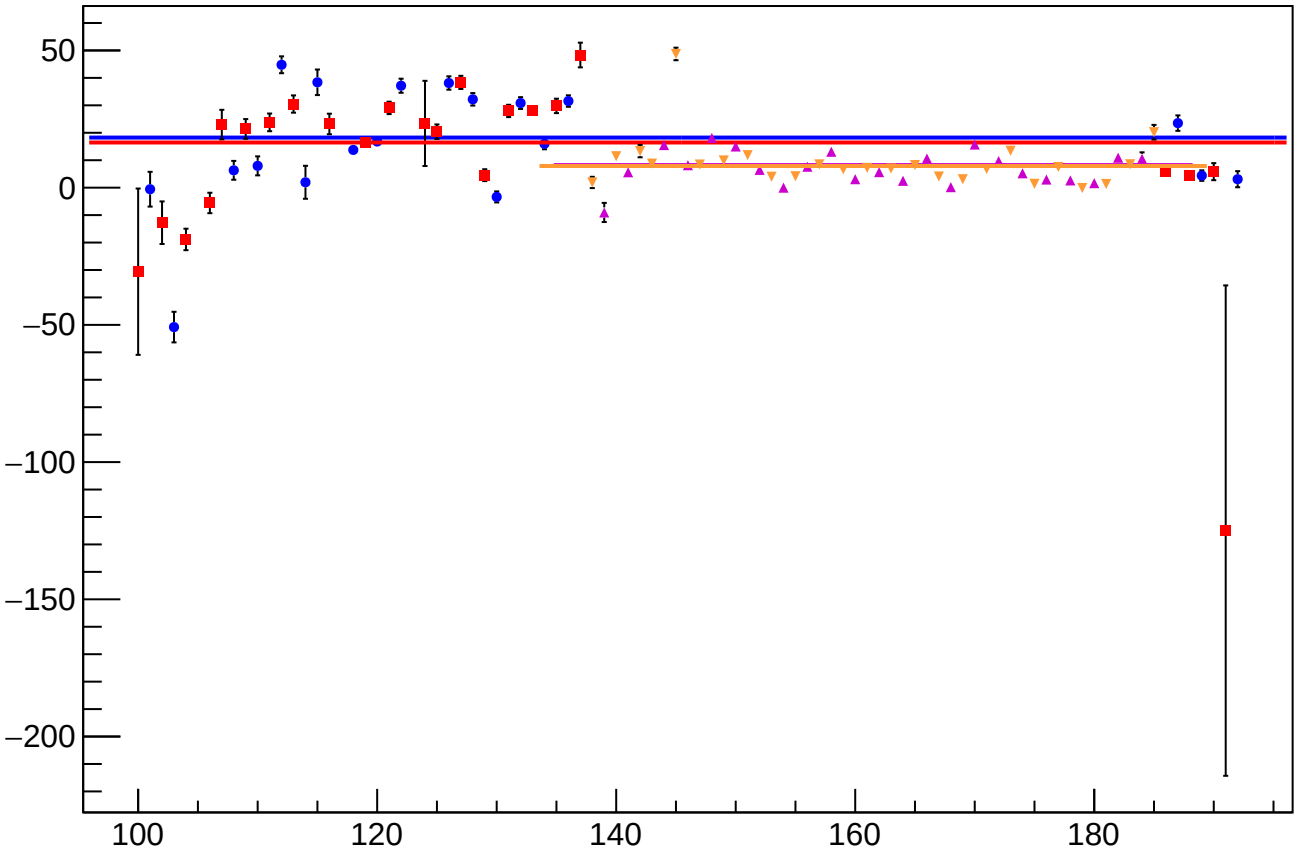
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -50.481+/-0.348 χ^2/NDF: 5809.1/41

In: -39.544+/-0.325 χ^2/NDF:4541.6/41

Out: -39.046+/-0.301 χ^2/NDF:6908.6/47

All: -39.276+/-0.221 χ^2/NDF: 11451.4/89



Right In: 18.255+/-0.560 χ^2/NDF: 727.2/18

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 16.461+/-0.512 χ^2/NDF: 628.5/22

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

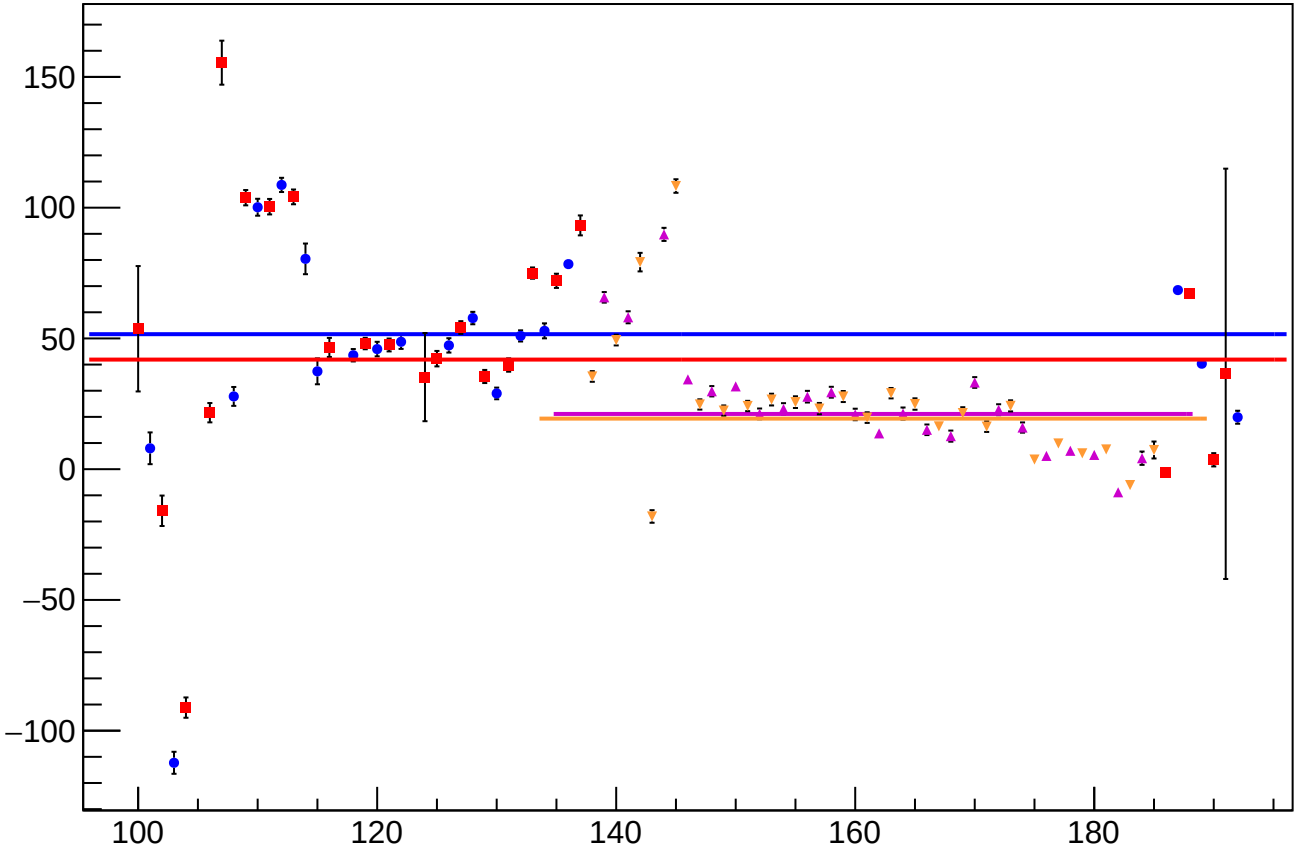
Right: 17.278+/-0.378 χ^2/NDF: 1361.4/41

In: 10.637+/-0.275 χ^2/NDF:1309.3/41

Out: 10.125+/-0.261 χ^2/NDF:1325.7/47

All: 10.368+/-0.189 χ^2/NDF: 2636.8/89

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 41.910+/-0.442 χ^2/NDF: 7241.9/22

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

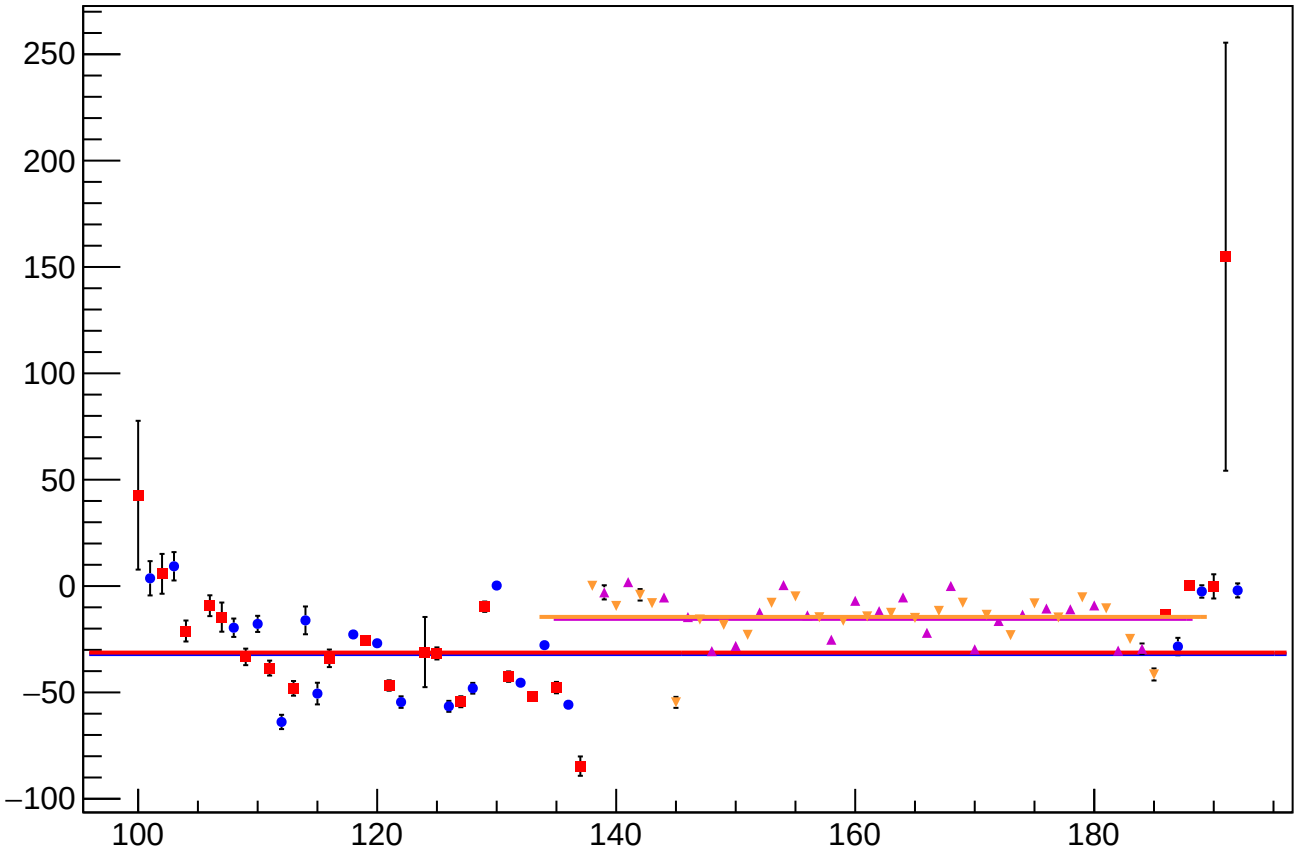
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 45.639+/-0.347 χ^2/NDF: 10452.6/41

In: 31.584+/-0.328 χ^2/NDF:7477.5/41

Out: 29.372+/-0.295 χ^2/NDF:11371.4/47

All: 30.360+/-0.219 χ^2/NDF: 18874.1/89



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: -31.279+/-0.632 χ^2/NDF: 964.8/22

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

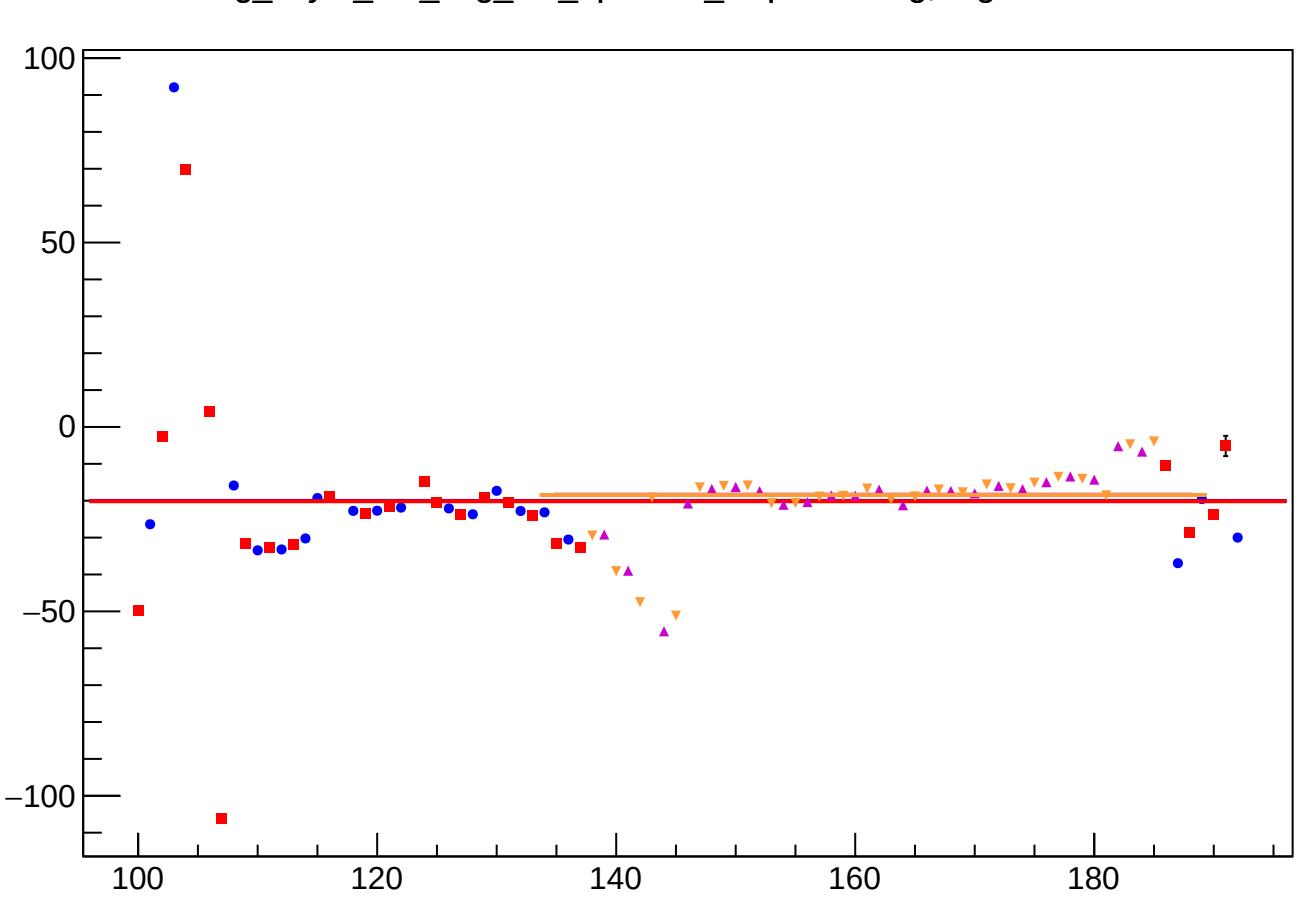
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -31.614+/-0.456 χ^2/NDF: 1942.1/41

In: -19.153+/-0.313 χ^2/NDF:2265.6/41

Out: -18.340+/-0.302 χ^2/NDF:2150.1/47

All: -18.733+/-0.217 χ^2/NDF: 4419.2/89



Right In: -20.055+/-0.038 χ^2/NDF: 443302.4/18

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -20.135+/-0.039 χ^2/NDF: 357496.7/22

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

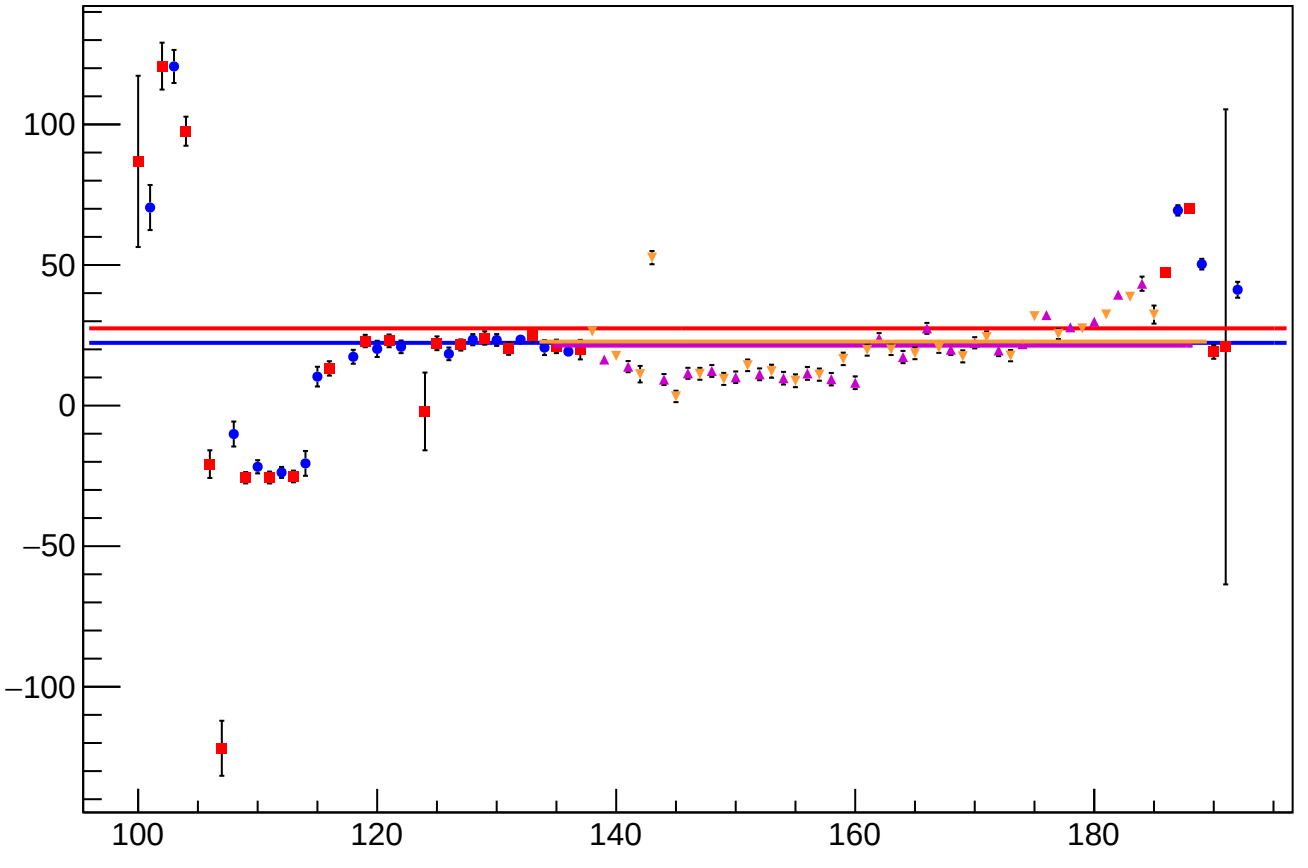
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -20.093+/-0.027 χ^2/NDF: 800801.3/41

In: -18.628+/-0.015 χ^2/NDF:695035.5/41

Out: -18.677+/-0.014 χ^2/NDF:654452.7/47

All: -18.653+/-0.010 χ^2/NDF: 1349493.8/89



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: 27.471+/-0.483 χ^2/NDF: 4521.9/22

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

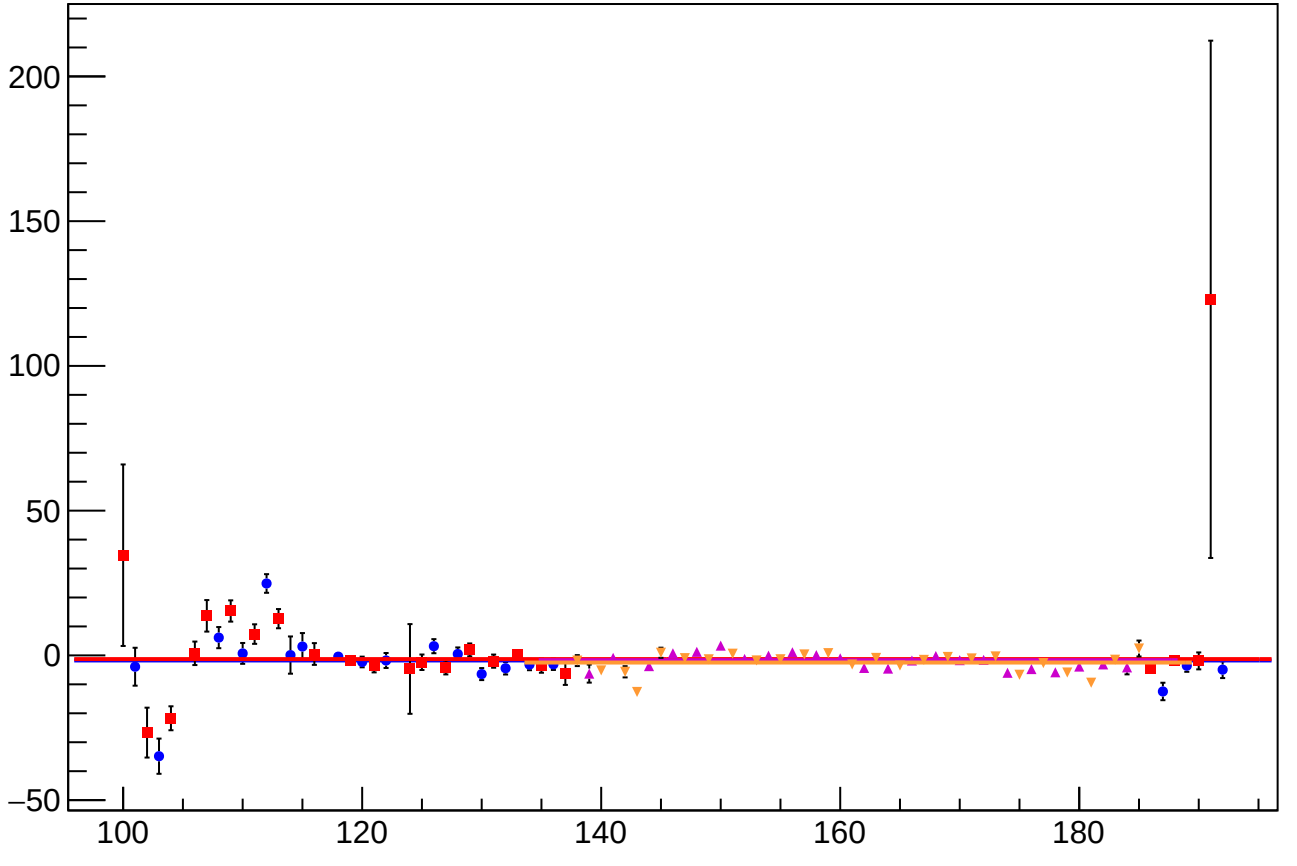
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 25.213+/-0.362 χ^2/NDF: 6888.1/41

In: 21.663+/-0.319 χ^2/NDF:2948.5/41

Out: 24.580+/-0.300 χ^2/NDF:5302.9/47

All: 23.212+/-0.219 χ^2/NDF: 8295.8/89



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: -1.282+/-0.540 χ^2/NDF: 101.3/22

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

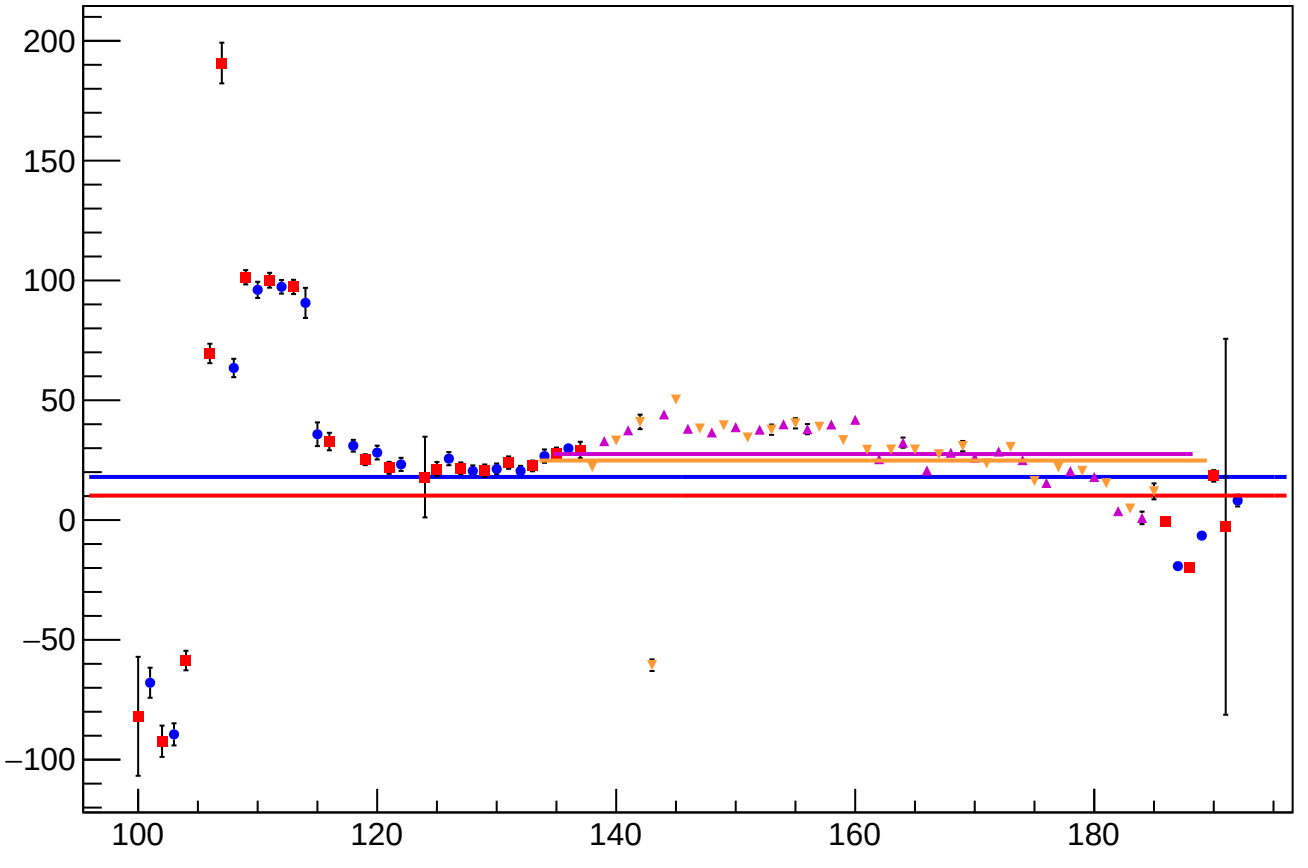
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.501+/-0.392 χ^2/NDF: 234.0/41

In: -1.679+/-0.268 χ^2/NDF:202.6/41

Out: -2.198+/-0.258 χ^2/NDF:221.7/47

All: -1.949+/-0.186 χ^2/NDF: 426.3/89



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: 10.205+/-0.477 χ^2/NDF: 5456.1/22

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

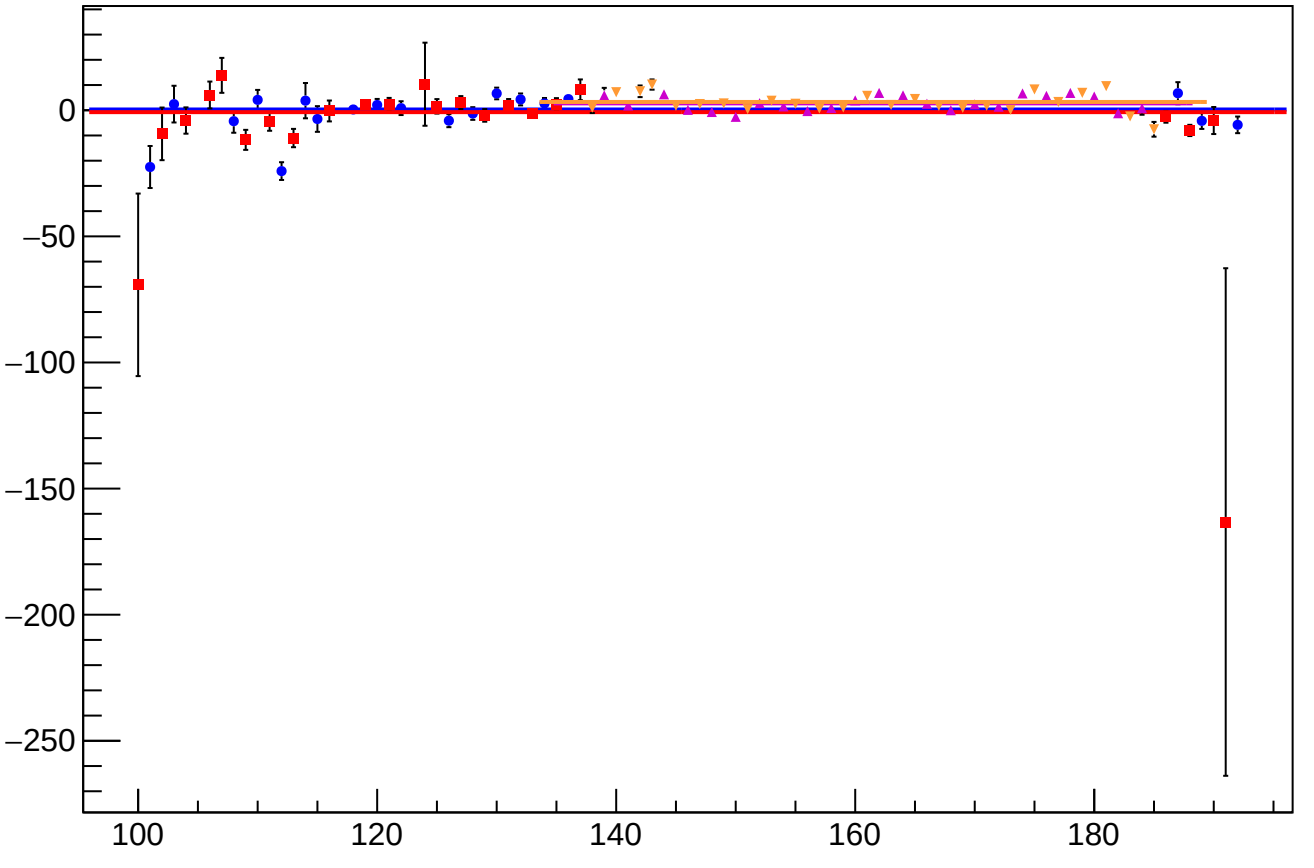
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 13.376+/-0.367 χ^2/NDF: 8860.8/41

In: 24.555+/-0.322 χ^2/NDF:4367.3/41

Out: 19.165+/-0.297 χ^2/NDF:8081.9/47

All: 21.642+/-0.218 χ^2/NDF: 12600.5/89



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: -0.747+/-0.657 χ^2/NDF: 56.7/22

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

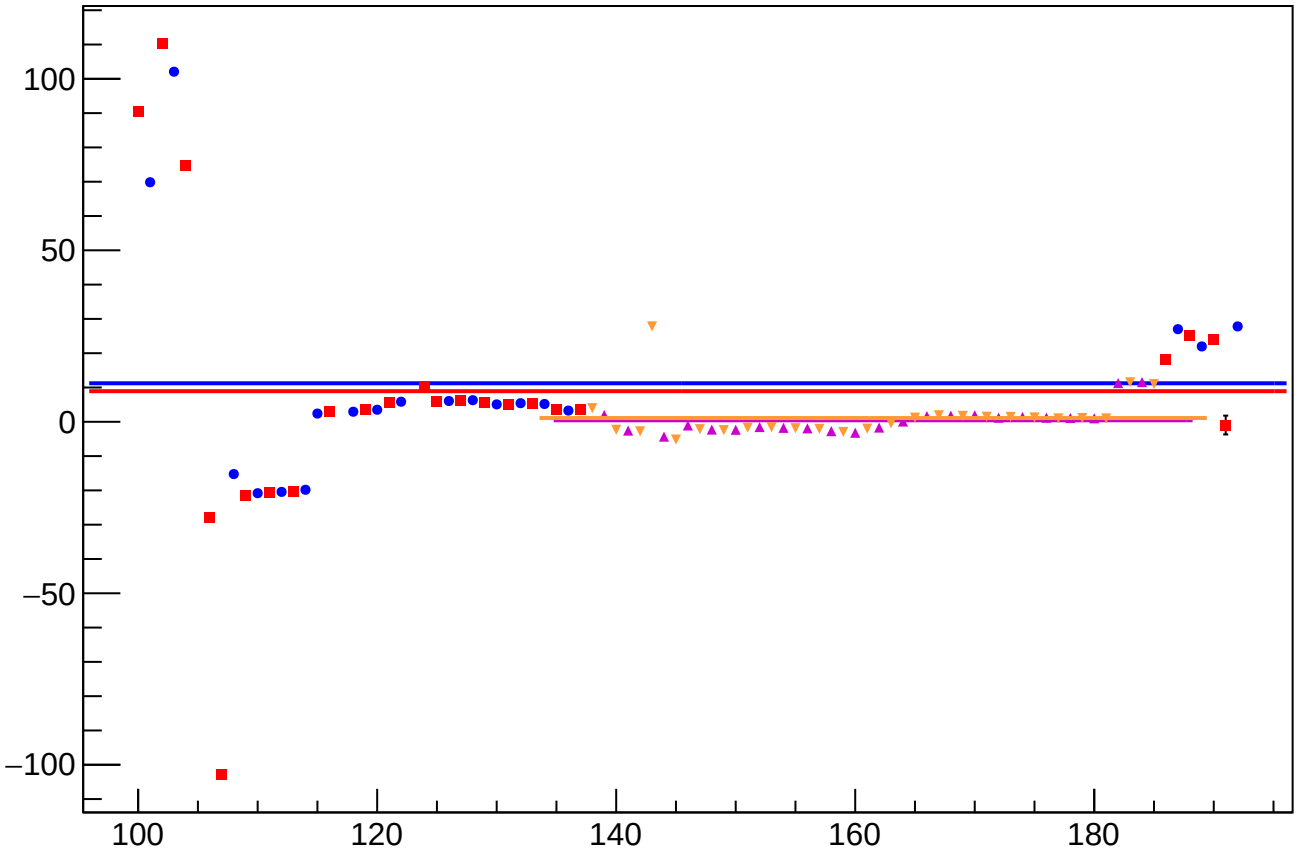
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -0.229+/-0.468 χ^2/NDF: 144.2/41

In: 2.223+/-0.304 χ^2/NDF:171.2/41

Out: 2.469+/-0.296 χ^2/NDF:193.0/47

All: 2.349+/-0.212 χ^2/NDF: 364.6/89



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: 8.922+/-0.040 χ^2/NDF: 478132.7/22

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

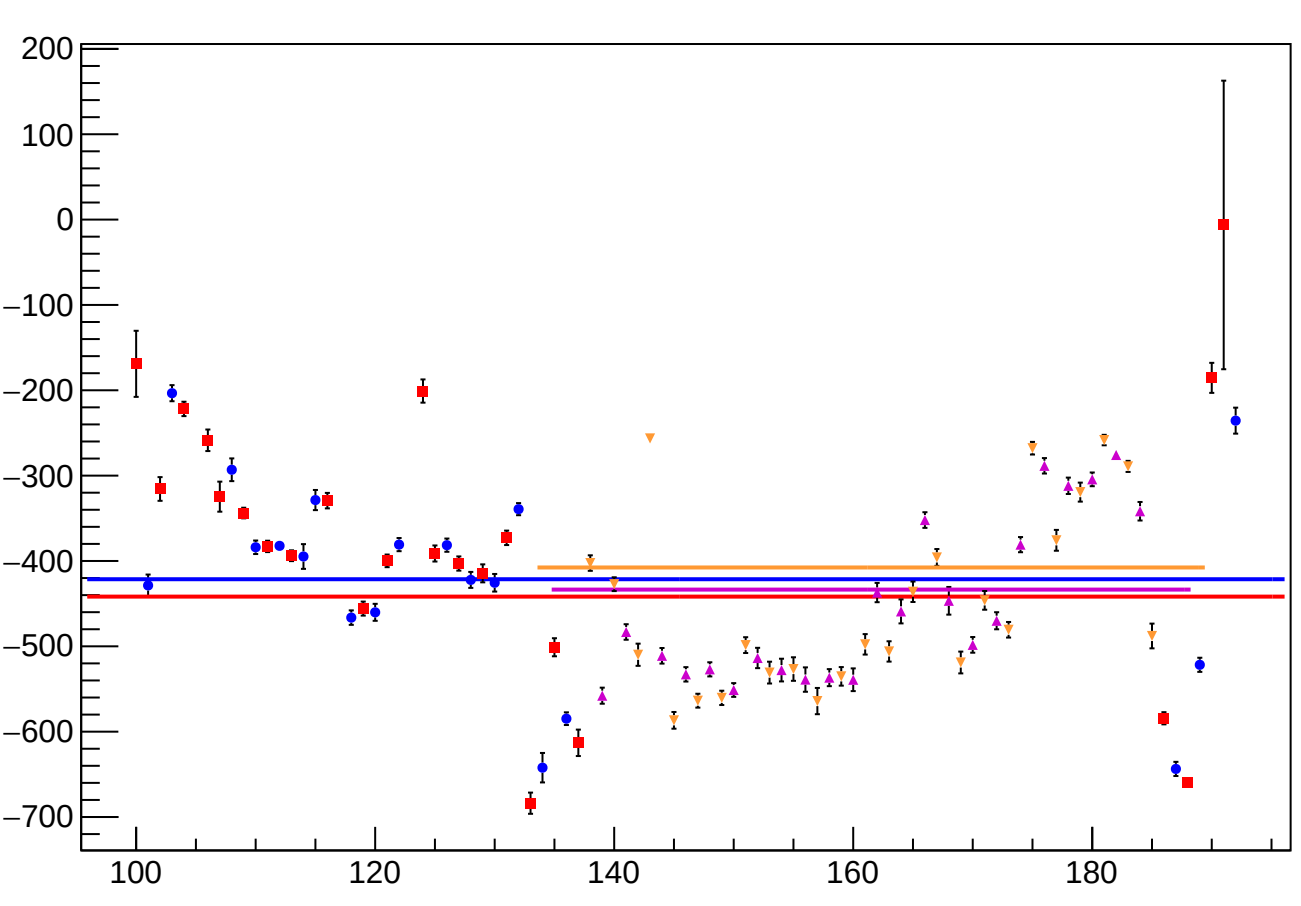
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 10.154+/-0.027 χ^2/NDF: 847367.8/41

In: 1.942+/-0.014 χ^2/NDF:491973.3/41

Out: 2.034+/-0.014 χ^2/NDF:640361.3/47

All: 1.988+/-0.010 χ^2/NDF: 1132356.4/89



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: -441.753+/-1.837 χ^2/NDF: 5692.2/22

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

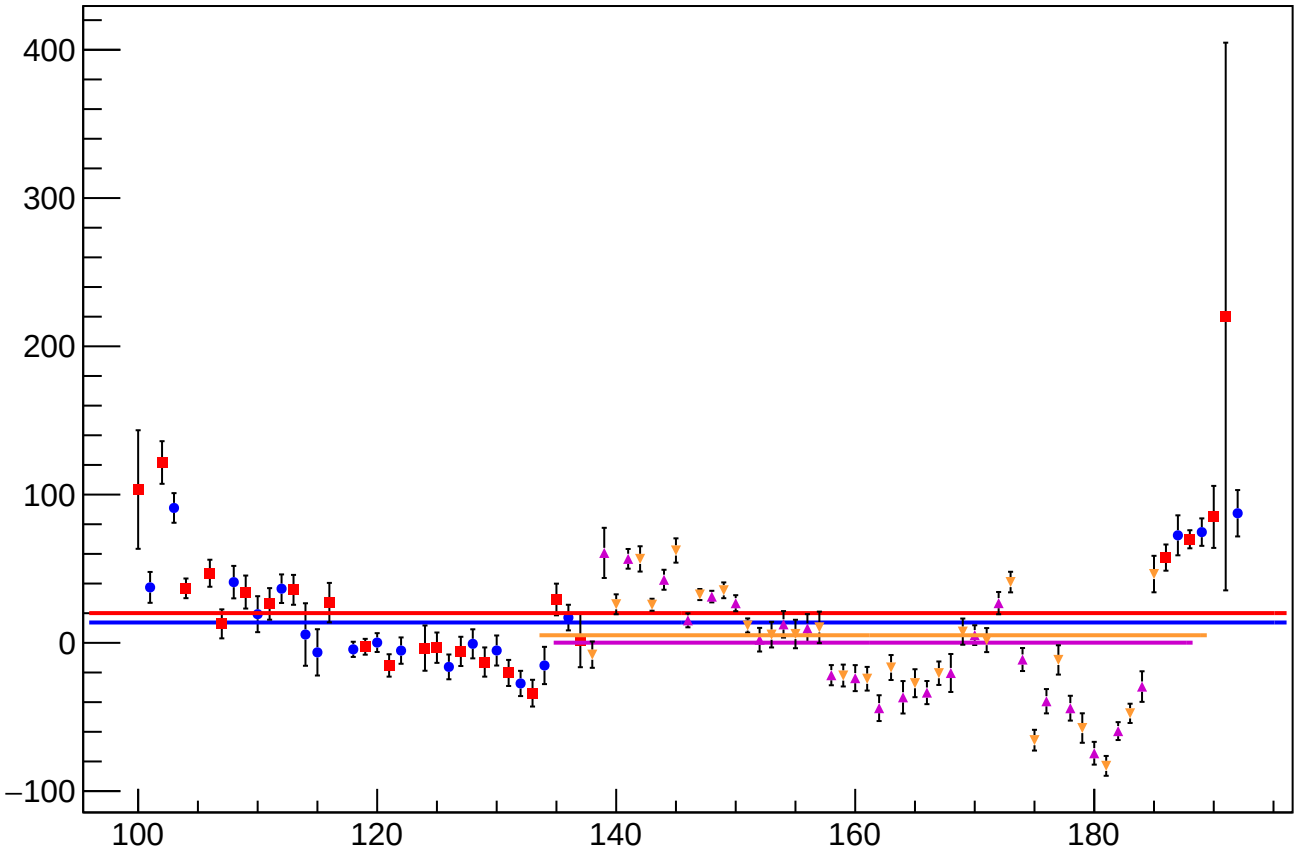
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

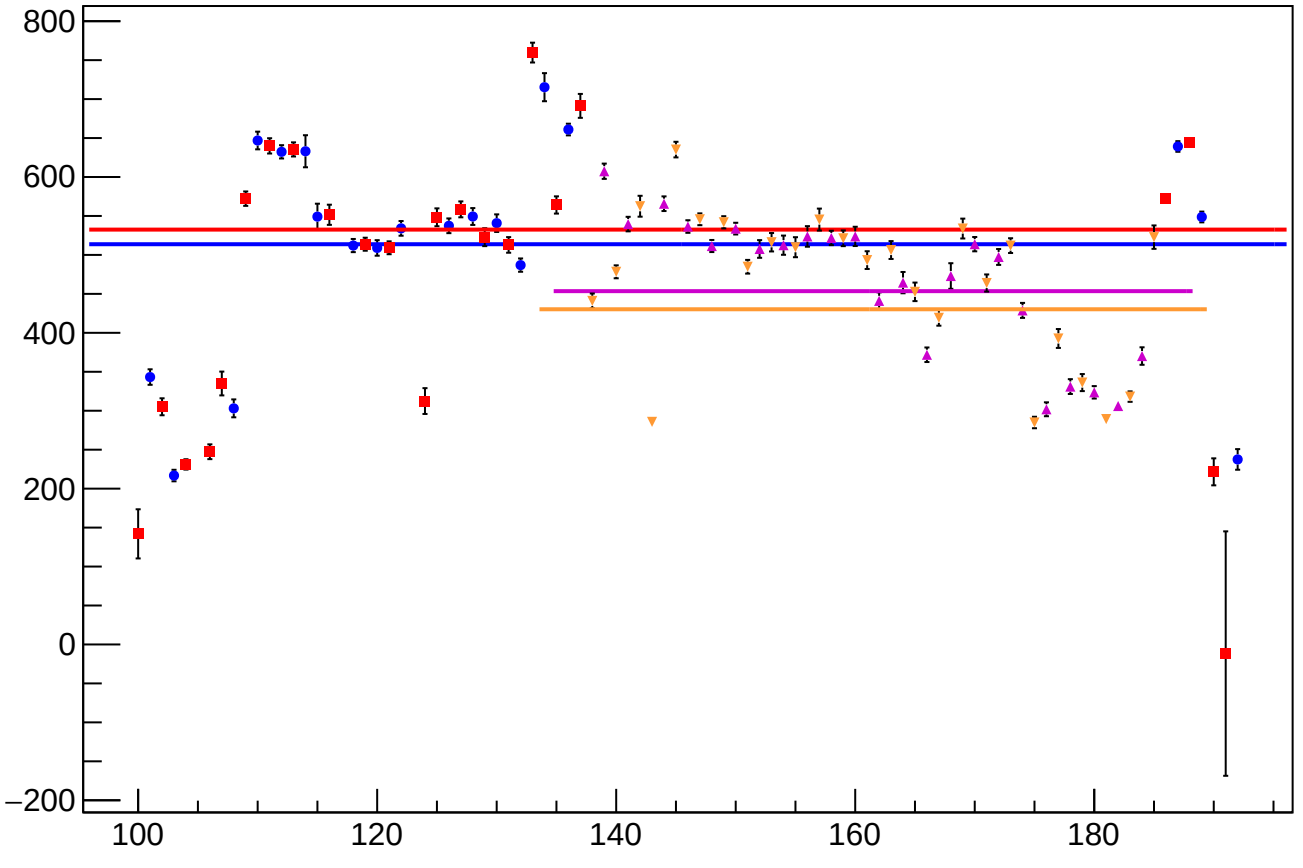
Right: -432.778+/-1.374 χ^2/NDF: 8397.4/41

In: -427.688+/-1.436 χ^2/NDF:5393.4/41

Out: -424.969+/-1.310 χ^2/NDF:9867.5/47

All: -426.204+/-0.968 χ^2/NDF: 15262.9/89


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: 20.067+/-2.003 χ²/NDF: 294.3/22
Left In: 0.124+/-1.489 χ²/NDF:568.6/22
Left: 2.817+/-1.012 χ²/NDF: 1263.8/47
Right: 17.124+/-1.466 χ²/NDF: 531.0/41
In: 4.536+/-1.224 χ²/NDF:827.7/41
Out: 9.927+/-1.136 χ²/NDF:1021.2/47
All: 7.434+/-0.833 χ²/NDF: 1859.3/89



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: 532.490+/-1.863 χ^2/NDF: 6015.3/22

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

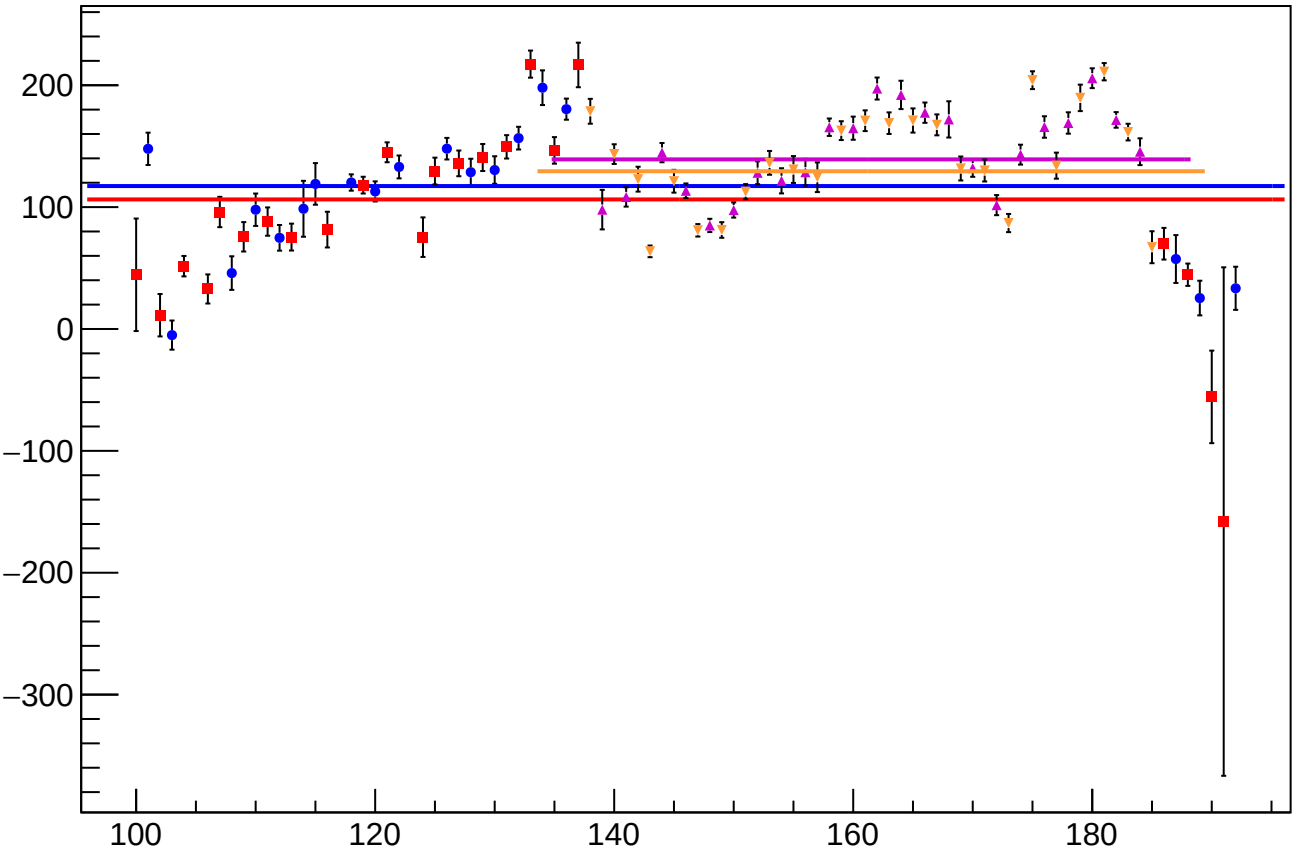
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 524.601+/-1.418 χ^2/NDF: 10013.8/41

In: 480.530+/-1.465 χ^2/NDF:6793.5/41

Out: 481.318+/-1.317 χ^2/NDF:10928.3/47

All: 480.966+/-0.979 χ^2/NDF: 17722.0/89



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: 106.304+/-2.404 χ^2/NDF: 426.3/22

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

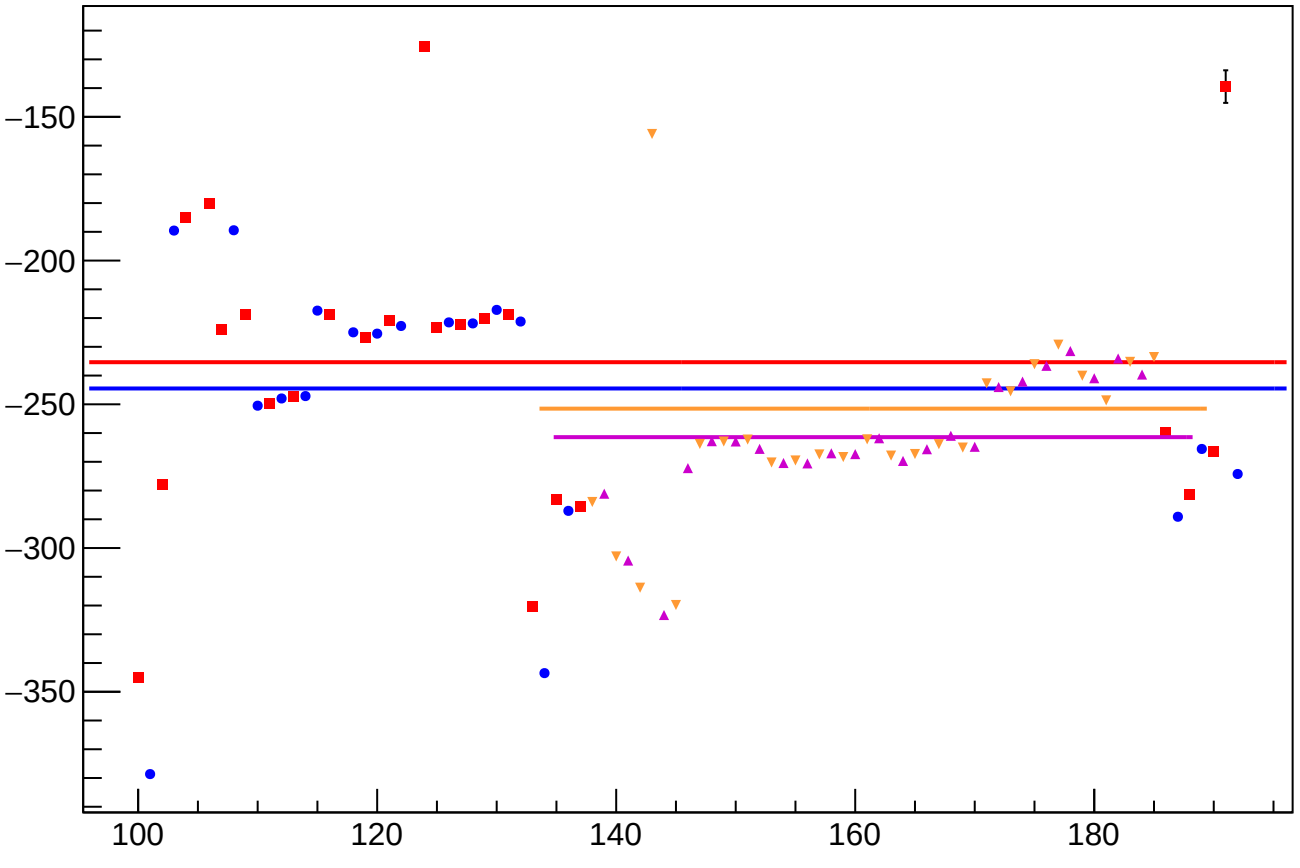
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 111.504+/-1.744 χ^2/NDF: 786.4/41

In: 132.348+/-1.415 χ^2/NDF:835.8/41

Out: 122.370+/-1.328 χ^2/NDF:1304.8/47

All: 127.043+/-0.968 χ^2/NDF: 2167.0/89



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: -235.351+/-0.138 χ^2/NDF: 95208.5/22

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

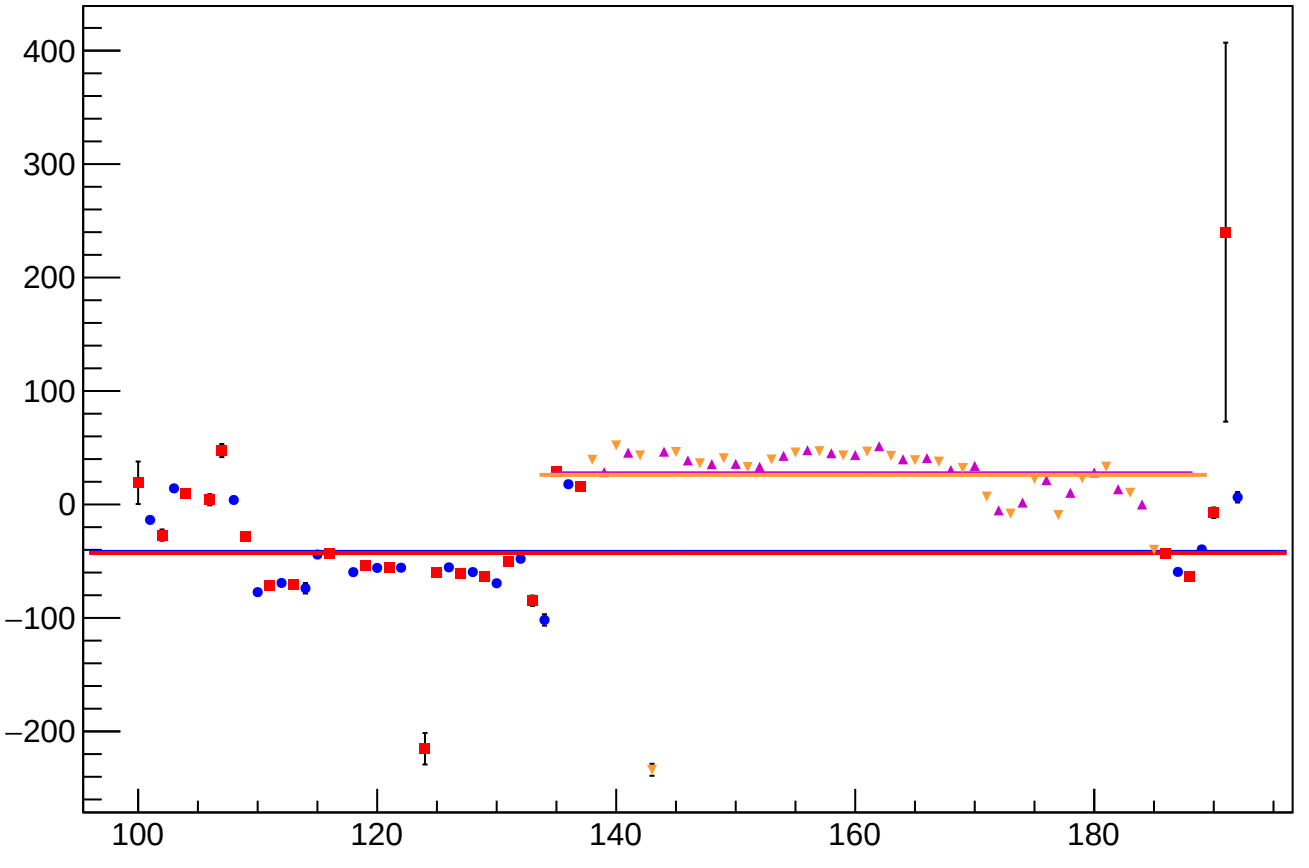
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -239.822+/-0.099 χ^2/NDF: 237738.6/41

In: -257.463+/-0.068 χ^2/NDF:220997.4/41

Out: -247.847+/-0.066 χ^2/NDF:360764.2/47

All: -252.471+/-0.047 χ^2/NDF: 592093.3/89



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: -42.772+/-0.576 χ^2/NDF: 2756.6/22

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

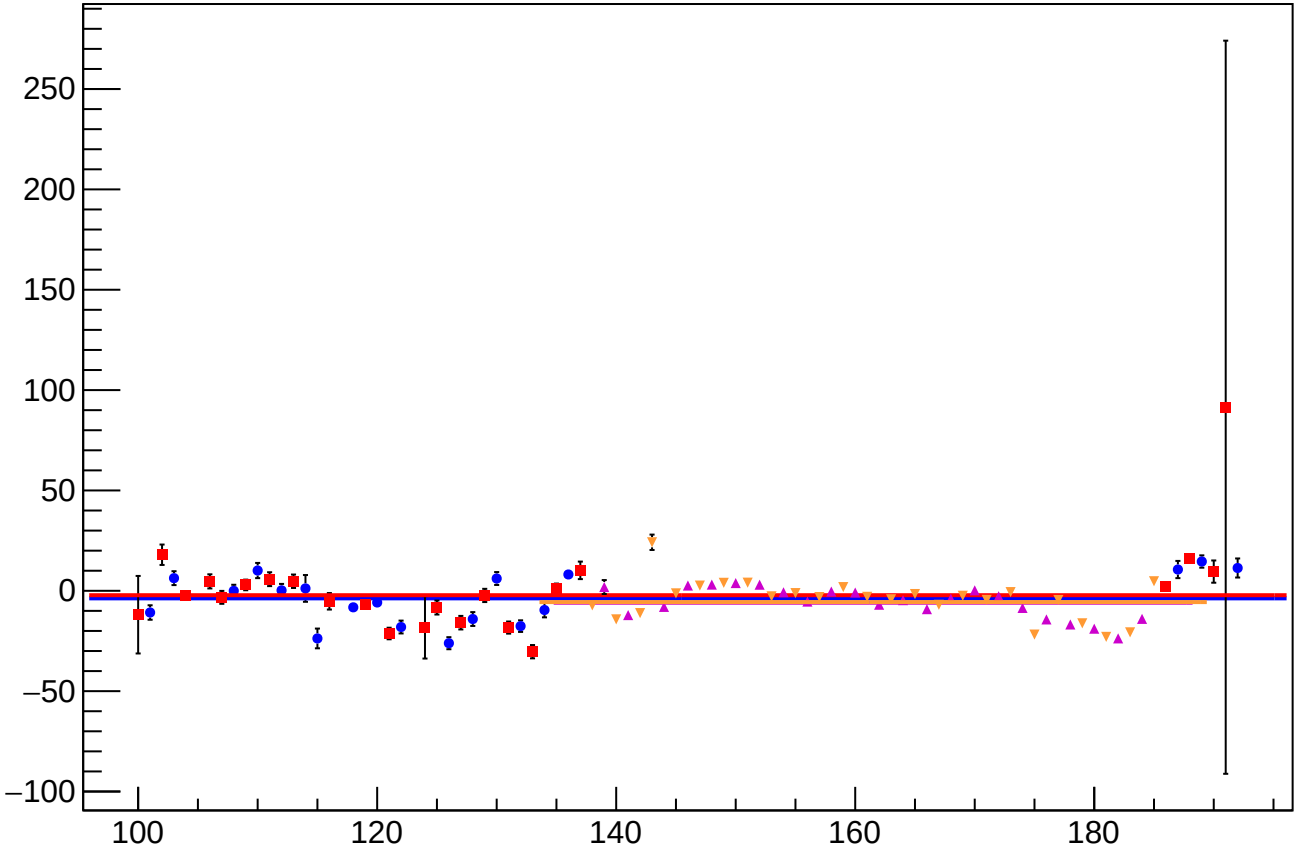
Right: -42.355+/-0.436 χ^2/NDF: 5317.3/41

In: 9.506+/-0.341 χ^2/NDF:12109.0/41

Out: 4.451+/-0.323 χ^2/NDF:17352.5/47

All: 6.842+/-0.234 χ^2/NDF: 29577.6/89

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -2.194+/-0.657 χ^2/NDF: 298.0/22

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

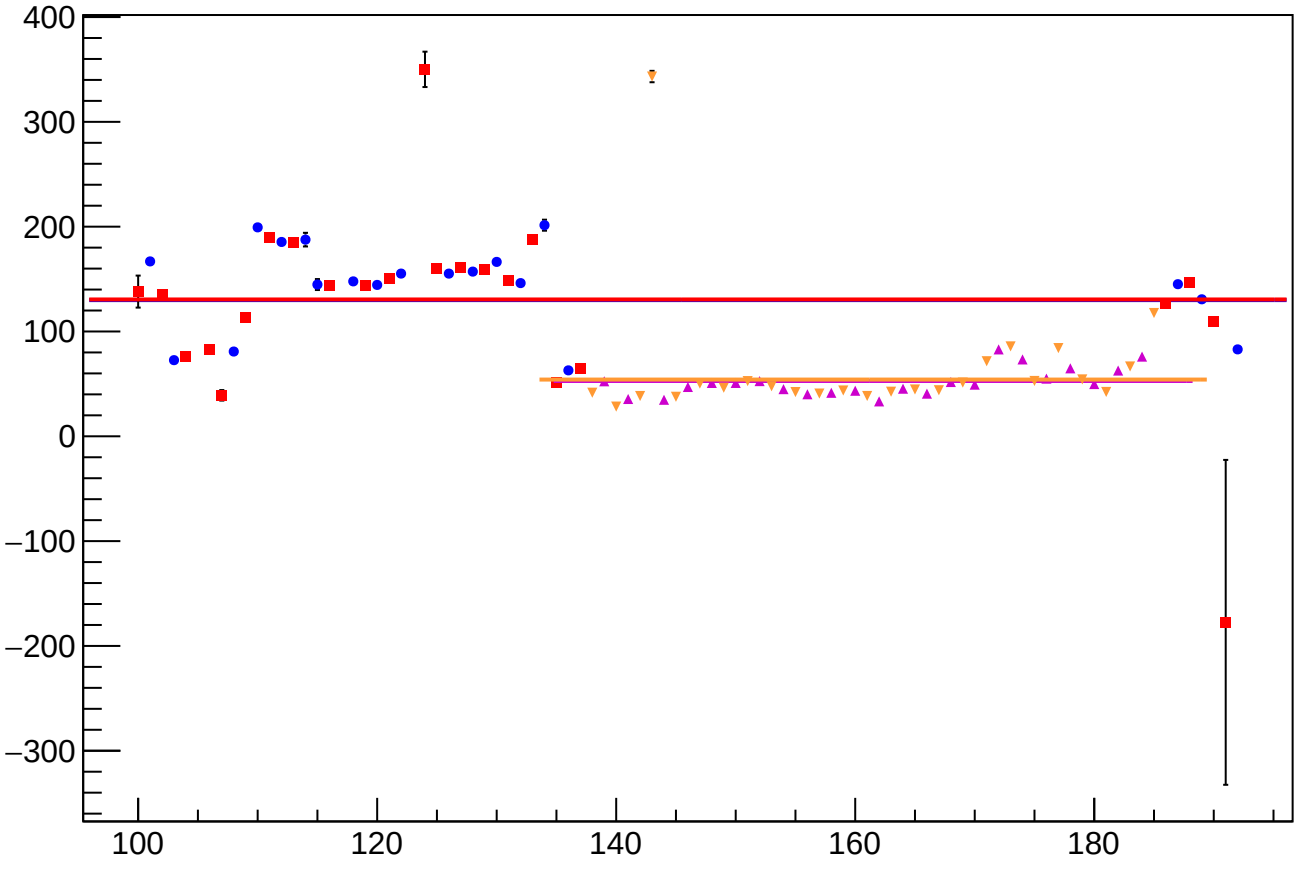
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -2.916+/-0.483 χ^2/NDF: 561.1/41

In: -5.596+/-0.284 χ^2/NDF:980.6/41

Out: -5.027+/-0.274 χ^2/NDF:1213.8/47

All: -5.302+/-0.197 χ^2/NDF: 2196.5/89



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: 130.544+/-0.587 χ^2/NDF: 3761.3/22

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

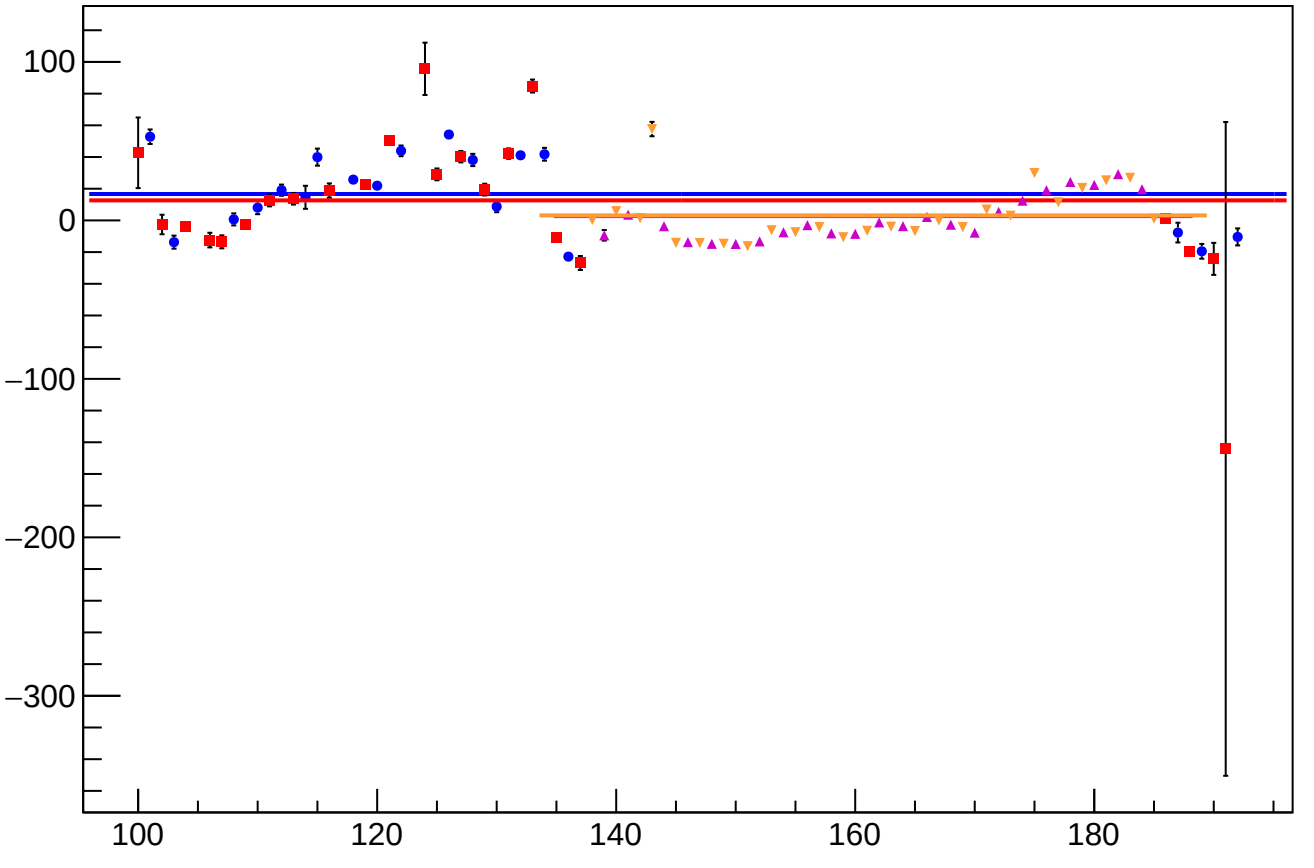
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 130.293+/-0.451 χ^2/NDF: 7572.7/41

In: 71.101+/-0.343 χ^2/NDF:13949.4/41

Out: 77.277+/-0.323 χ^2/NDF:20150.8/47

All: 74.370+/-0.235 χ^2/NDF: 34272.0/89



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: 12.649+/-0.786 χ^2/NDF: 1094.1/22

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

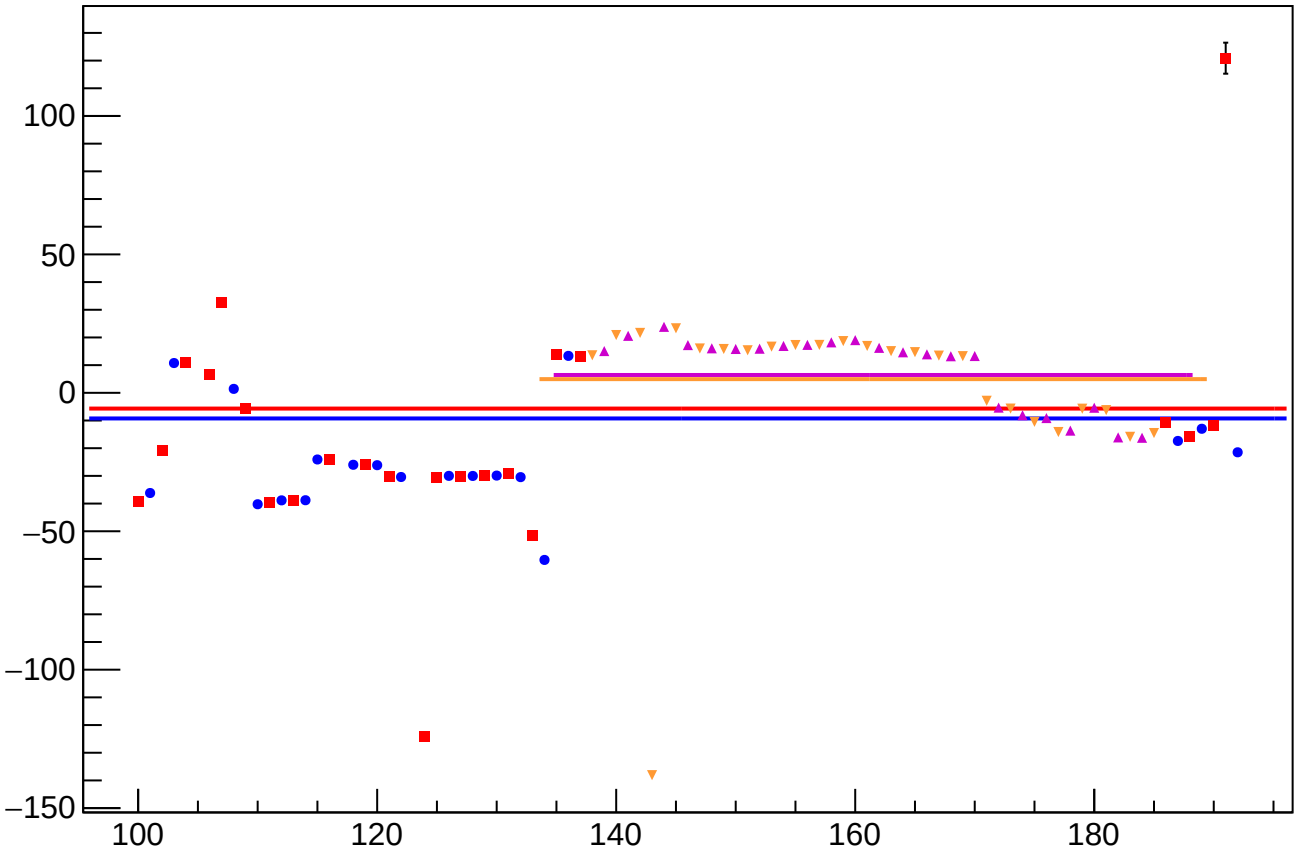
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 14.549+/-0.570 χ^2/NDF: 2072.6/41

In: 4.800+/-0.320 χ^2/NDF:2942.2/41

Out: 4.650+/-0.312 χ^2/NDF:3229.4/47

All: 4.723+/-0.223 χ^2/NDF: 6171.8/89



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: -5.687+/-0.044 χ^2/NDF: 234485.6/22

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

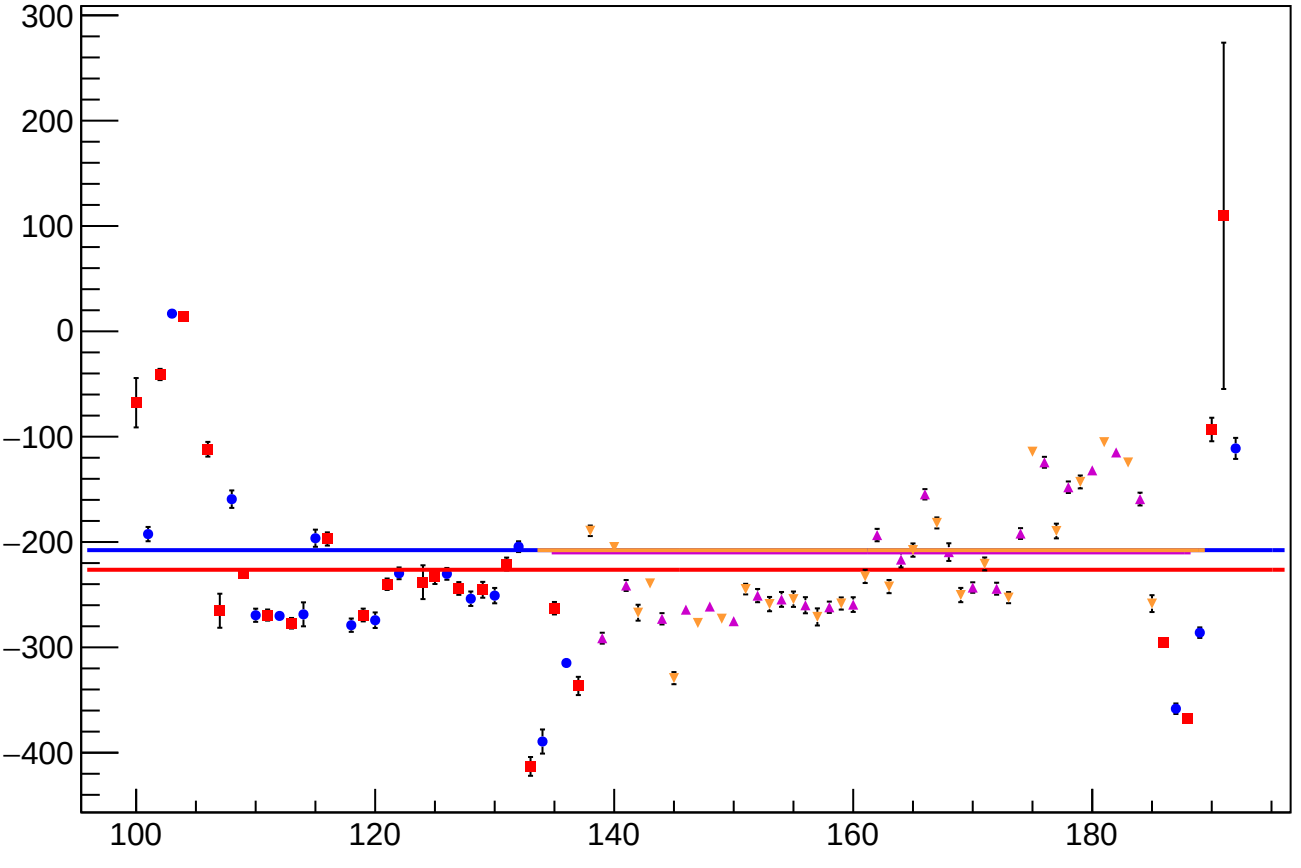
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -7.498+/-0.031 χ^2/NDF: 512540.0/41

In: 4.665+/-0.014 χ^2/NDF:1123088.0/41

Out: 3.788+/-0.014 χ^2/NDF:1424167.8/47

All: 4.224+/-0.010 χ^2/NDF: 2549111.1/89



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: -226.345+/-1.159 χ^2/NDF: 11725.6/22

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

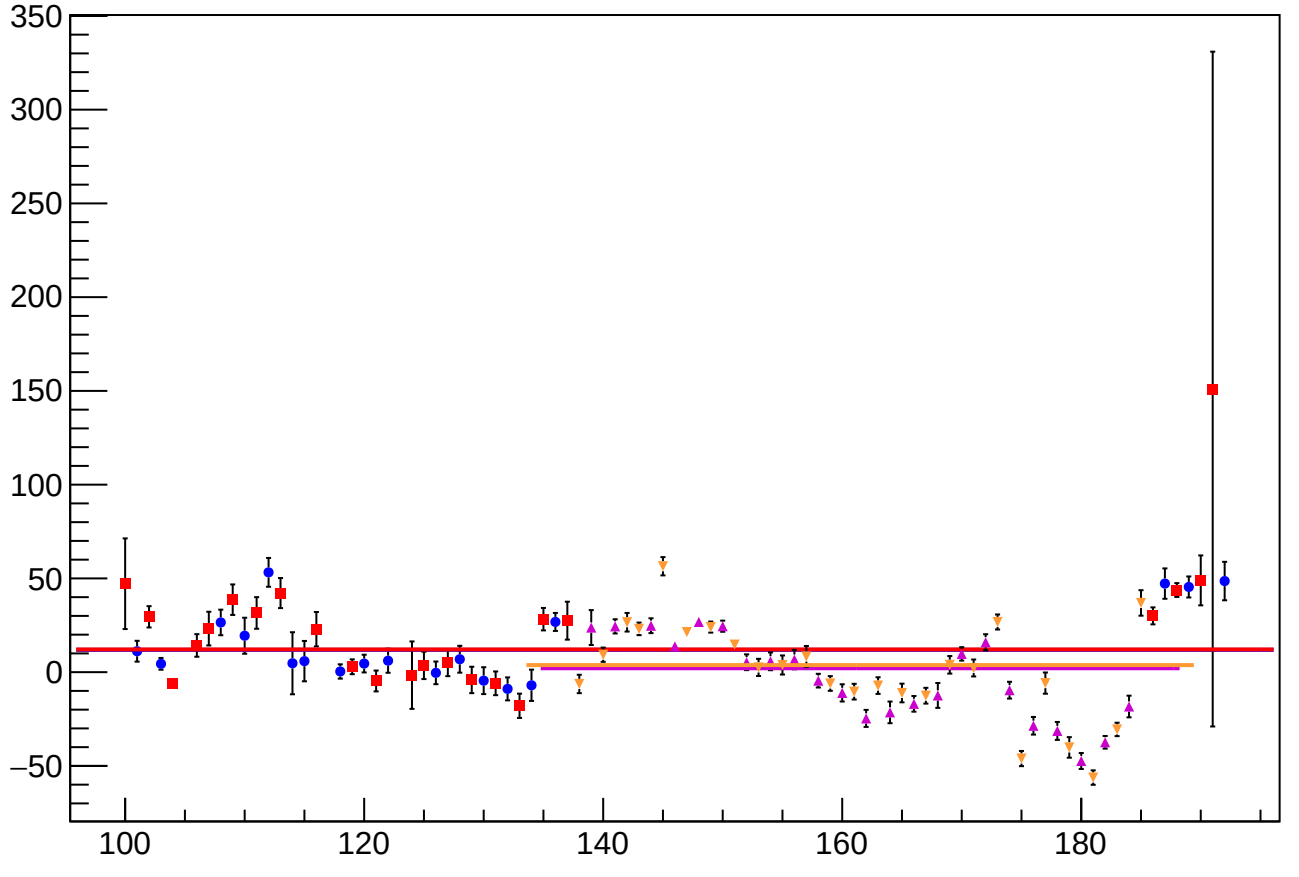
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -218.131+/-0.867 χ^2/NDF: 20446.2/41

In: -208.979+/-0.842 χ^2/NDF:11620.3/41

Out: -216.298+/-0.786 χ^2/NDF:15351.8/47

All: -212.888+/-0.575 χ^2/NDF: 27012.5/89



Right In: 11.903+/-1.361 χ^2/NDF: 156.5/18

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 12.106+/-1.220 χ^2/NDF: 260.8/22

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

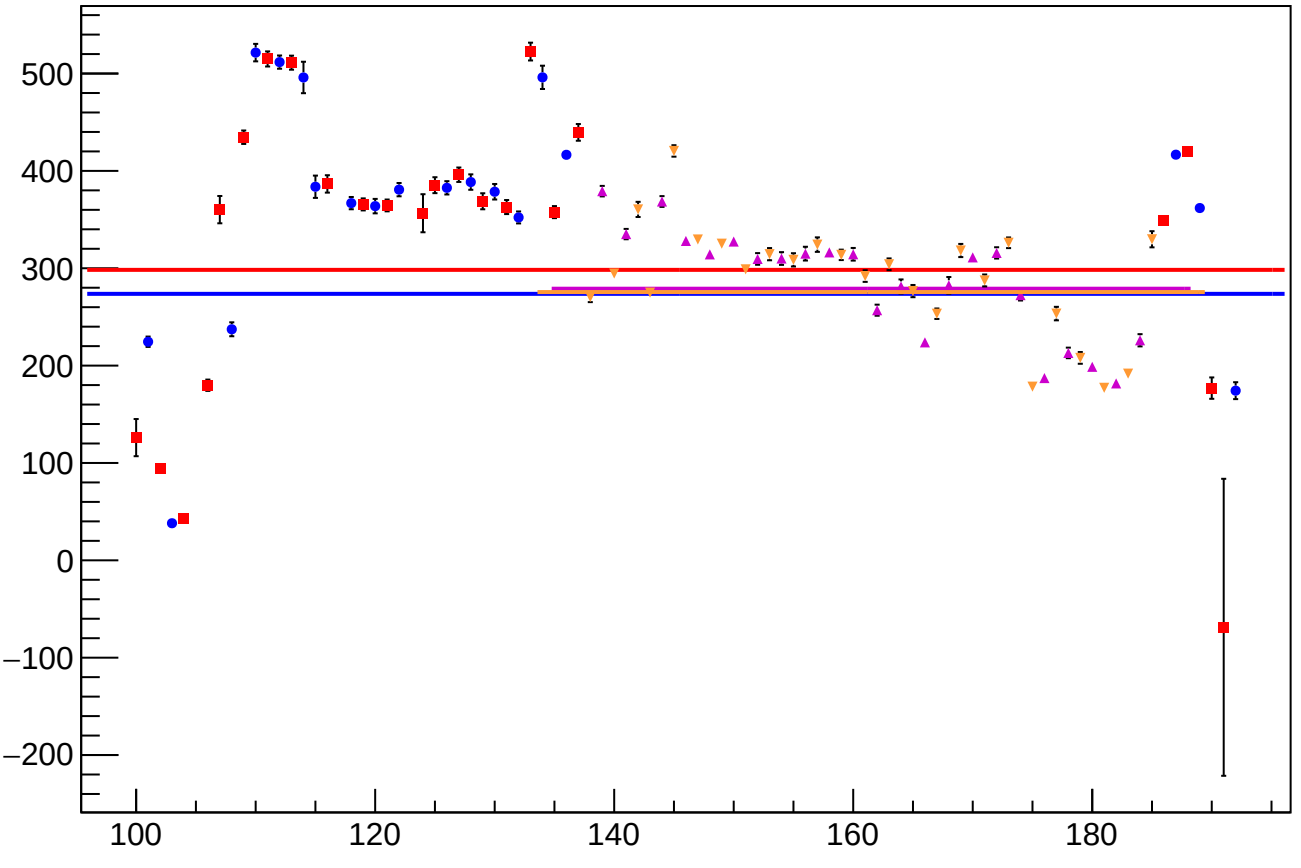
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 12.015+/-0.908 χ^2/NDF: 417.3/41

In: 4.697+/-0.702 χ^2/NDF:964.9/41

Out: 6.221+/-0.661 χ^2/NDF:1265.9/47

All: 5.504+/-0.482 χ^2/NDF: 2233.3/89



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: 298.345+/-1.087 χ^2/NDF: 21179.0/22

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

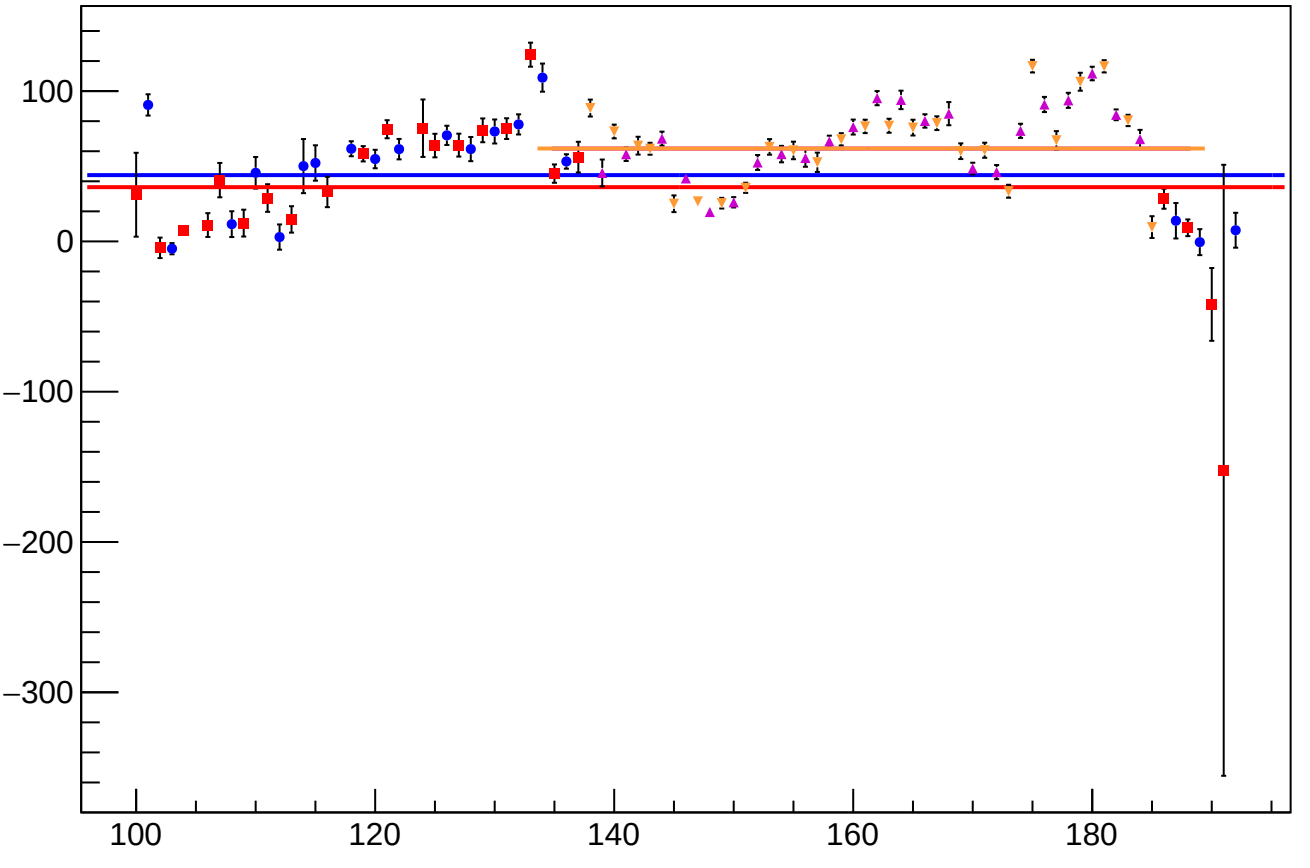
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 287.876+/-0.825 χ^2/NDF: 38796.5/41

In: 276.743+/-0.825 χ^2/NDF:20524.0/41

Out: 286.672+/-0.760 χ^2/NDF:24727.4/47

All: 282.116+/-0.559 χ^2/NDF: 45329.7/89



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: 36.090+/-1.492 χ^2/NDF: 456.2/22

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

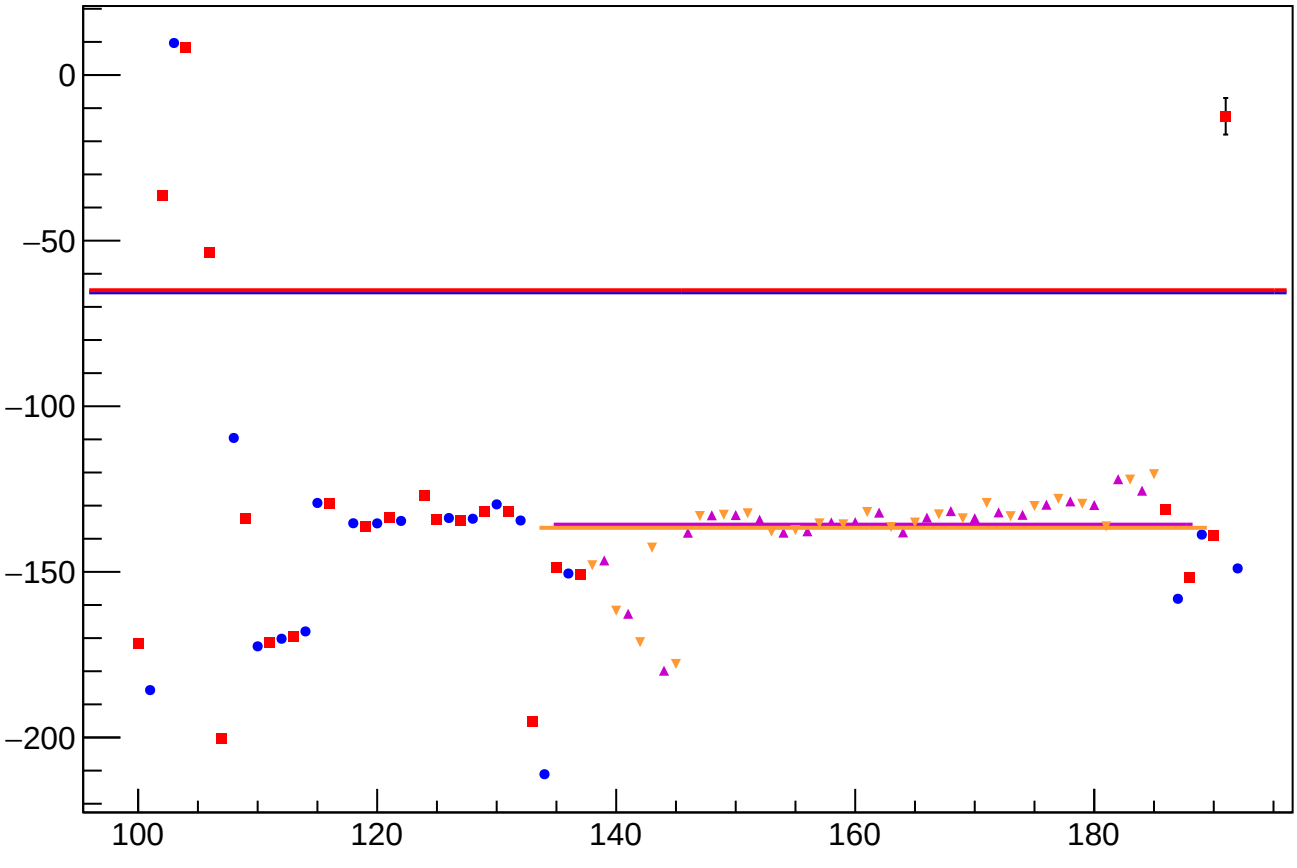
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 39.804+/-1.093 χ^2/NDF: 901.5/41

In: 57.269+/-0.810 χ^2/NDF:1258.0/41

Out: 54.870+/-0.775 χ^2/NDF:1632.7/47

All: 56.016+/-0.560 χ^2/NDF: 2895.3/89



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: -64.978+/-0.071 χ^2/NDF: 991936.3/22

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

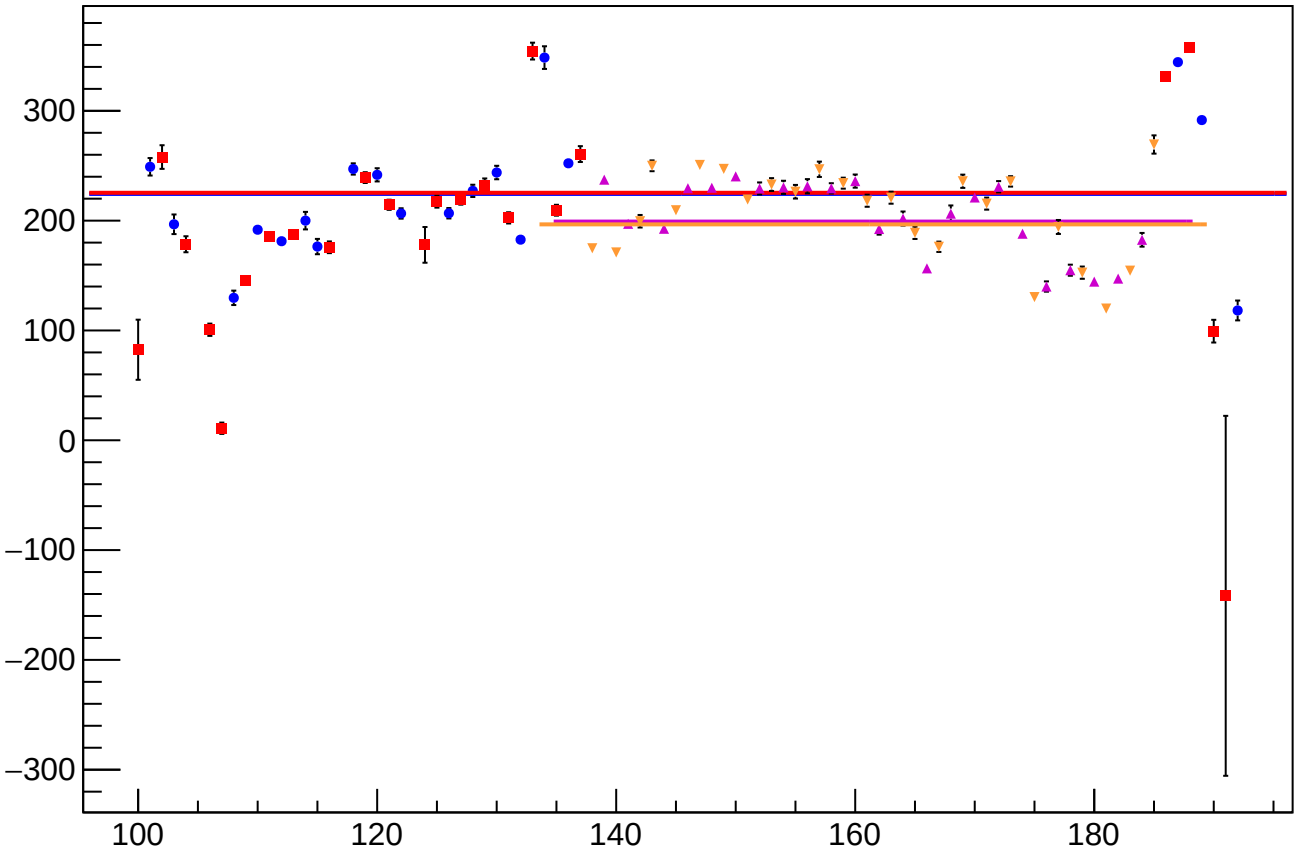
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -65.295+/-0.050 χ^2/NDF: 2330065.1/41

In: -116.574+/-0.036 χ^2/NDF:2135728.0/41

Out: -117.948+/-0.036 χ^2/NDF:1824212.9/47

All: -117.264+/-0.026 χ^2/NDF: 3960654.2/89



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: 225.371+/-1.026 χ^2/NDF: 7611.7/22

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

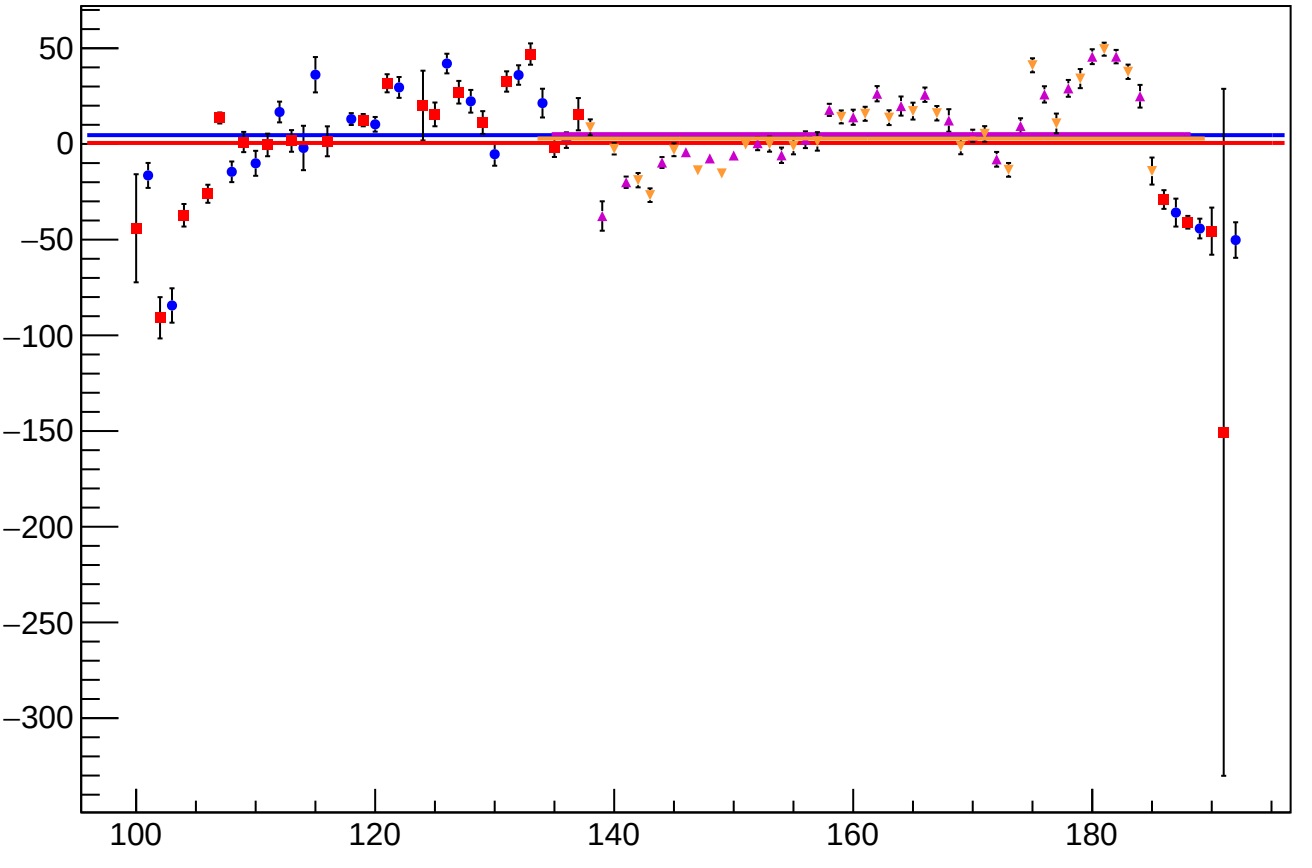
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 224.934+/-0.778 χ^2/NDF: 9562.5/41

In: 209.231+/-0.753 χ^2/NDF:3513.2/41

Out: 209.830+/-0.696 χ^2/NDF:10111.5/47

All: 209.555+/-0.511 χ^2/NDF: 13625.1/89



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: 0.513+/-1.114 χ^2/NDF: 571.9/22

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

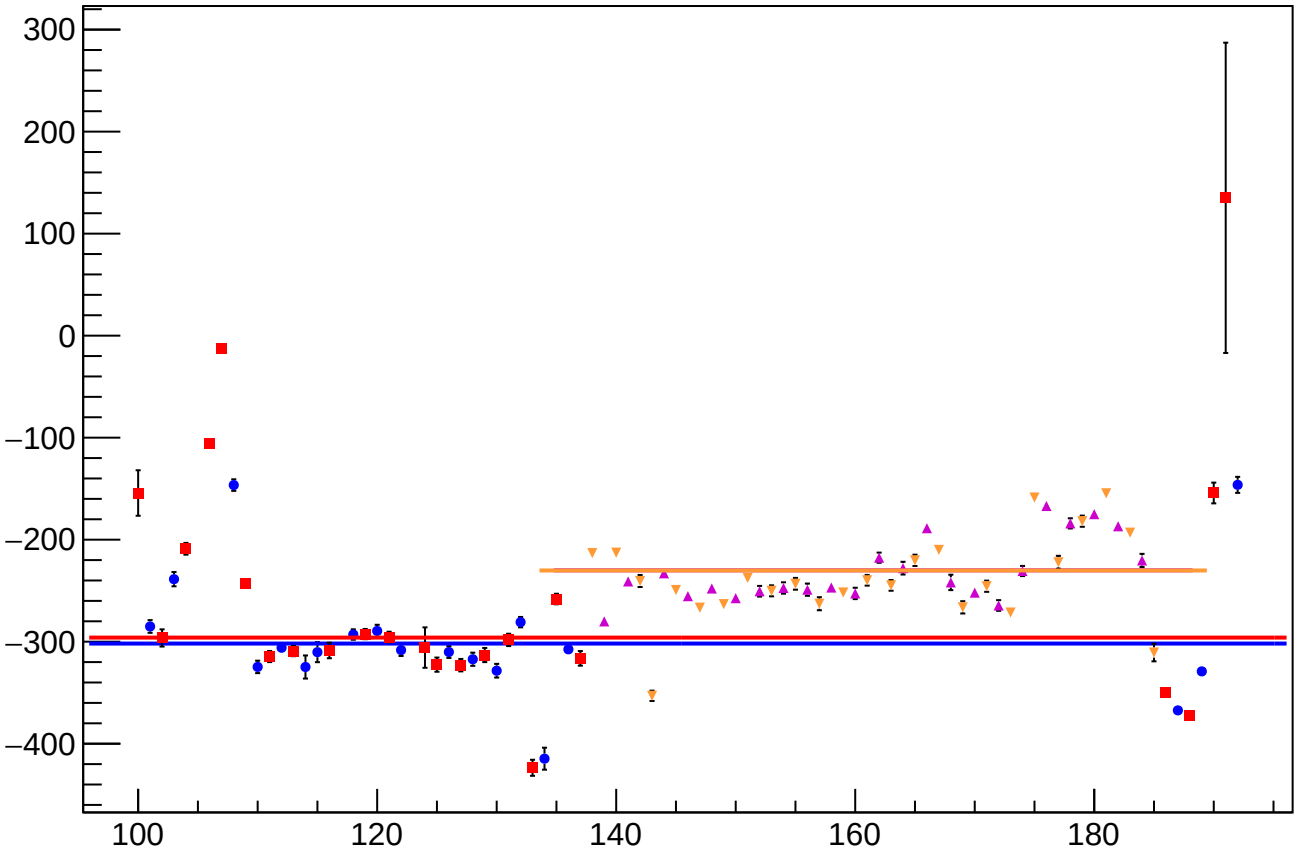
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: 2.305+/-0.834 χ^2/NDF: 1014.6/41

In: 4.995+/-0.624 χ^2/NDF:1065.5/41

Out: 2.212+/-0.588 χ^2/NDF:1327.9/47

All: 3.523+/-0.428 χ^2/NDF: 2404.0/89



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: -295.984+/-1.045 χ^2/NDF: 8619.7/22

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

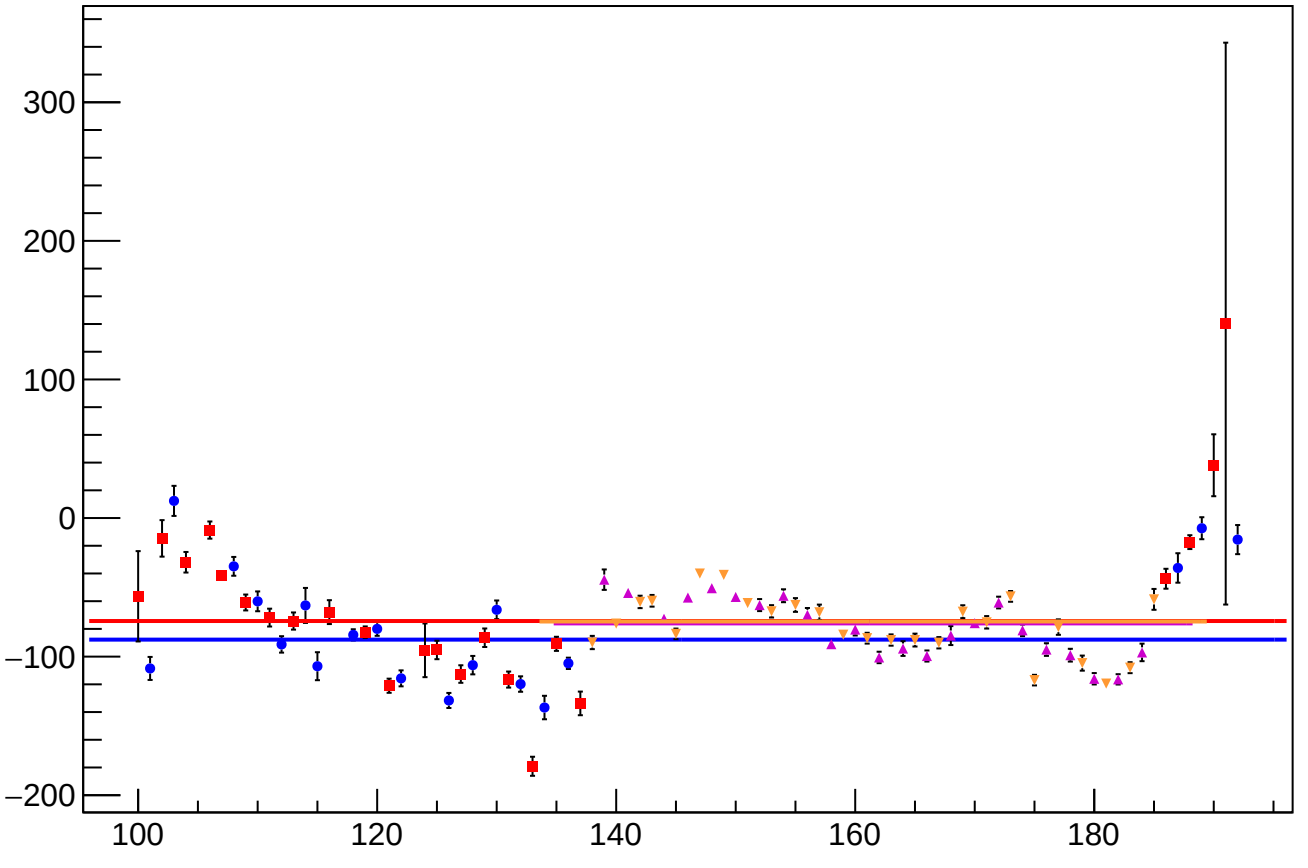
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -298.353+/-0.806 χ^2/NDF: 10410.8/41

In: -256.257+/-0.766 χ^2/NDF:4909.8/41

Out: -259.567+/-0.699 χ^2/NDF:12994.7/47

All: -258.063+/-0.516 χ^2/NDF: 17914.7/89



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: -74.311+/-1.343 χ^2/NDF: 908.8/22

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

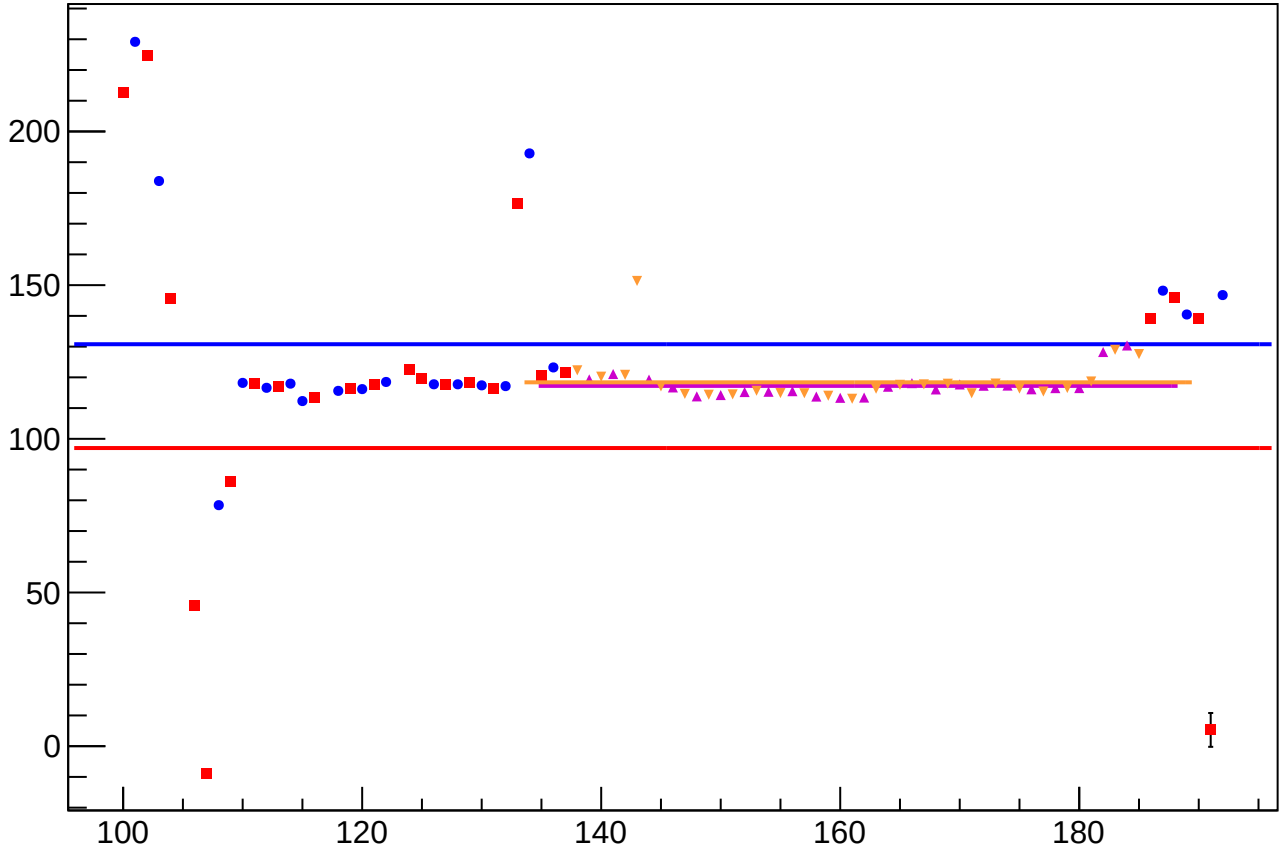
Right: -80.387+/-0.993 χ^2/NDF: 1496.3/41

In: -78.806+/-0.720 χ^2/NDF:1236.2/41

Out: -74.556+/-0.688 χ^2/NDF:1739.9/47

All: -76.585+/-0.497 χ^2/NDF: 2994.3/89

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 97.002+/-0.075 χ^2/NDF: 652867.4/22

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

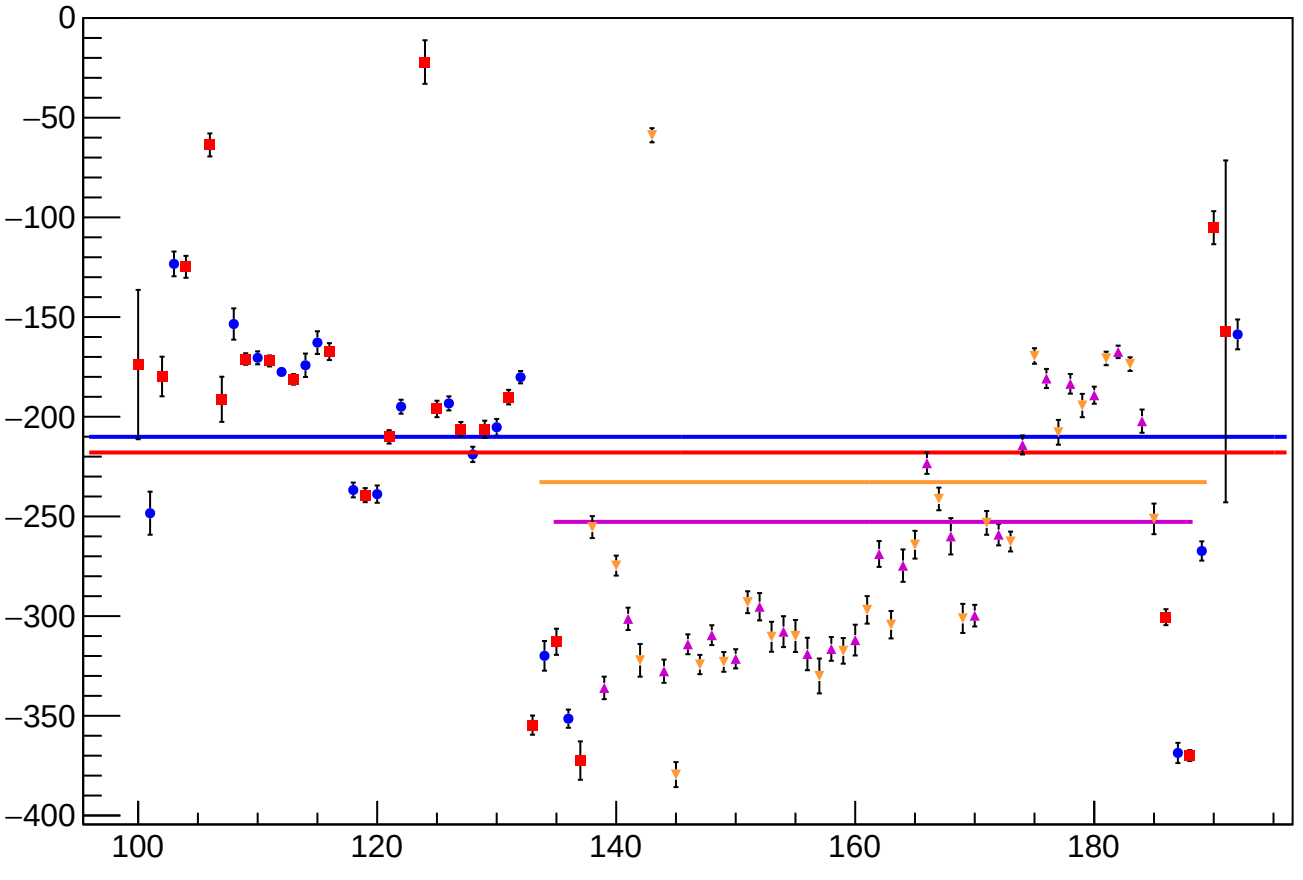
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 112.080+/-0.056 χ^2/NDF: 931988.4/41

In: 119.524+/-0.034 χ^2/NDF:220131.8/41

Out: 114.120+/-0.033 χ^2/NDF:753384.7/47

All: 116.750+/-0.024 χ^2/NDF: 986289.5/89



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: -217.930+/-0.889 χ^2/NDF: 7343.6/22

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

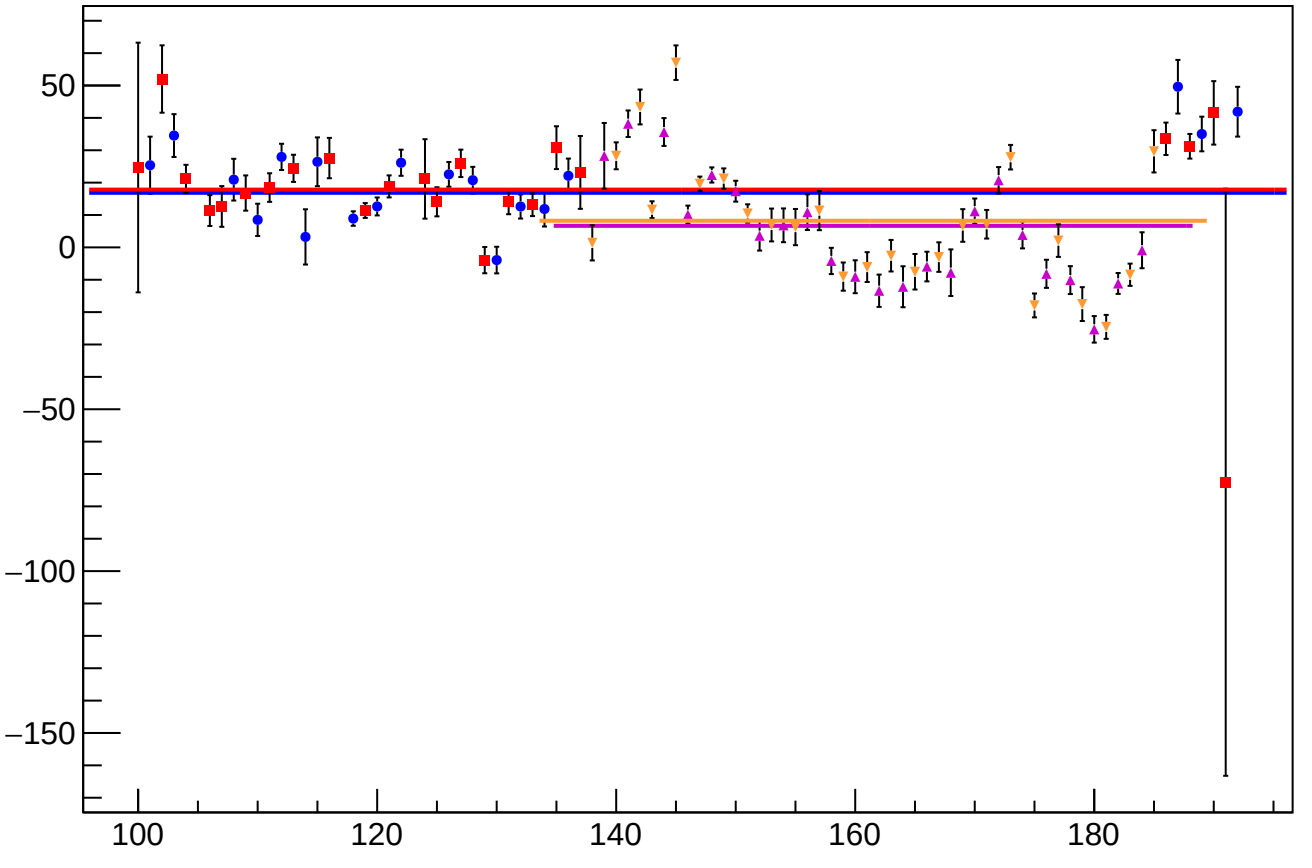
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -214.361+/-0.657 χ^2/NDF: 10643.3/41

In: -228.257+/-0.738 χ^2/NDF:6995.1/41

Out: -223.992+/-0.684 χ^2/NDF:13221.5/47

All: -225.964+/-0.502 χ^2/NDF: 20234.5/89



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: 17.845+/-0.976 χ^2/NDF: 96.0/22

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

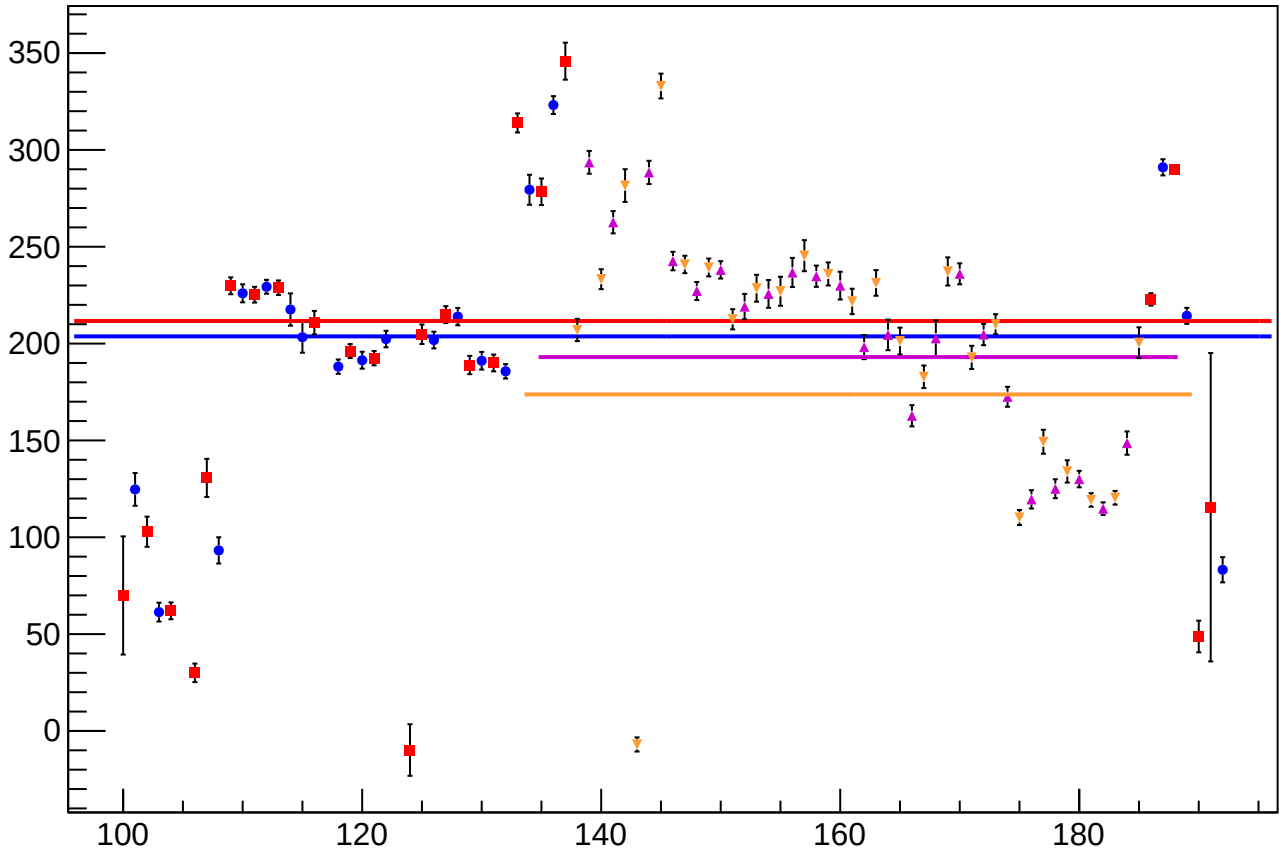
Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

Right: 17.371+/-0.702 χ^2/NDF: 209.2/41

In: 10.928+/-0.654 χ^2/NDF:526.7/41

Out: 12.106+/-0.620 χ^2/NDF:611.9/47

All: 11.549+/-0.450 χ^2/NDF: 1140.3/89



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: 211.645+/-0.965 χ^2/NDF: 5732.3/22

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

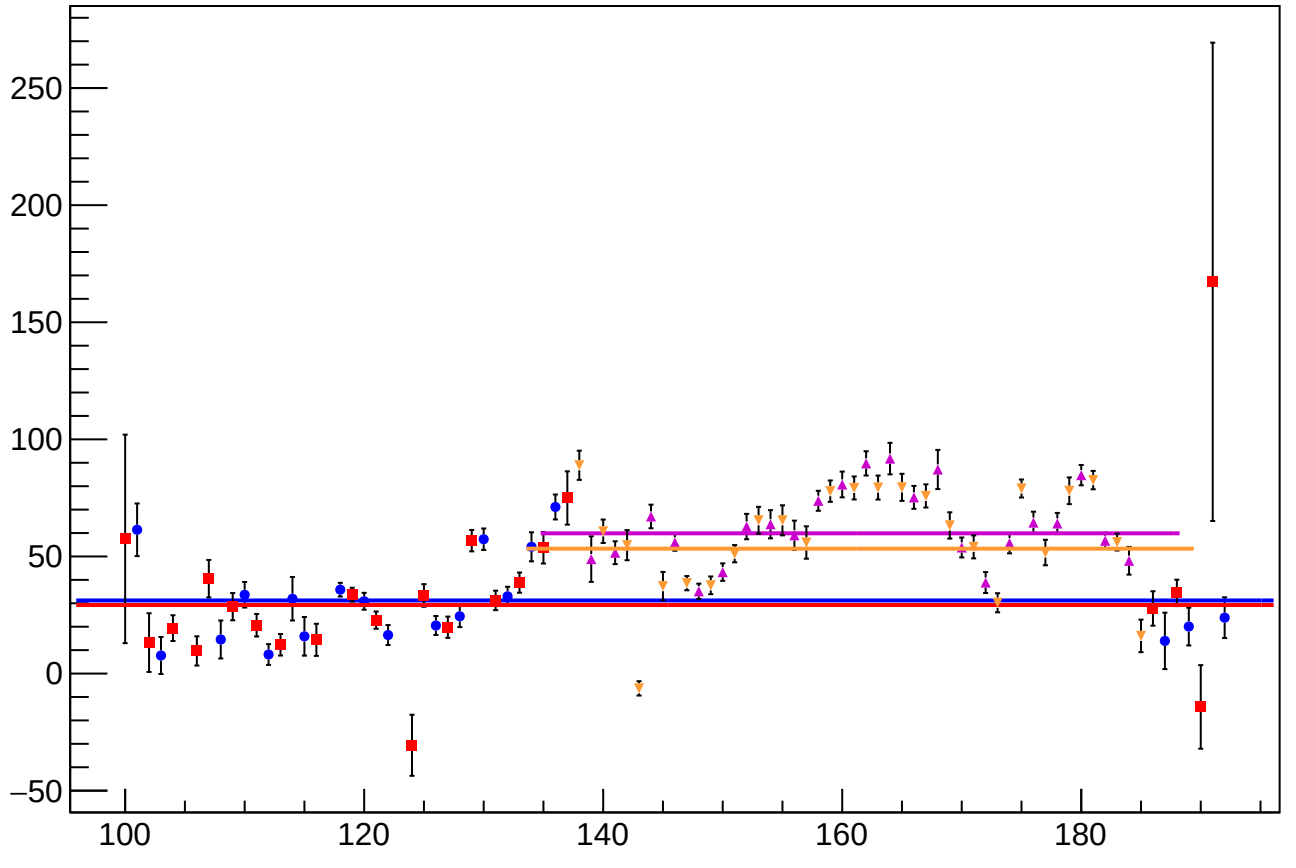
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

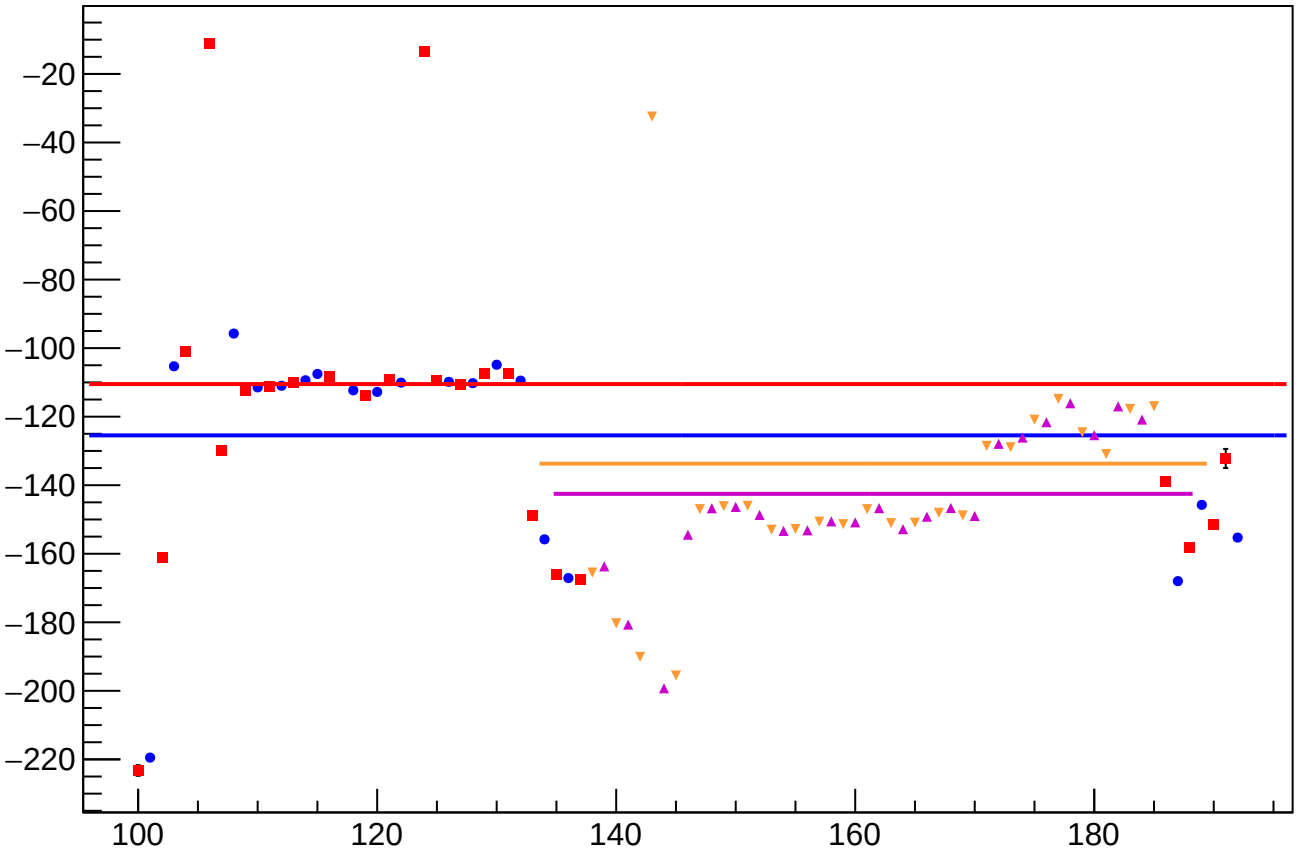
Right: 208.167+/-0.723 χ^2/NDF: 8661.6/41

In: 198.517+/-0.782 χ^2/NDF:5458.3/41

Out: 194.624+/-0.716 χ^2/NDF:11685.7/47

All: 196.398+/-0.528 χ^2/NDF: 17157.5/89


reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
120
140
160
180
Right In: 31.210+/-1.186 χ²/NDF: 181.9/18
Left Out: 53.331+/-0.922 χ²/NDF:778.9/24
Right Out: 29.263+/-1.153 χ²/NDF: 149.5/22
Left In: 59.887+/-0.977 χ²/NDF:251.2/22
Left: 56.419+/-0.670 χ²/NDF: 1053.9/47
Right: 30.210+/-0.827 χ²/NDF: 332.8/41
In: 48.294+/-0.754 χ²/NDF:781.5/41
Out: 43.951+/-0.720 χ²/NDF:1194.2/47
All: 46.023+/-0.521 χ²/NDF: 1993.0/89



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: -110.495+/-0.071 χ^2/NDF: 397631.6/22

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

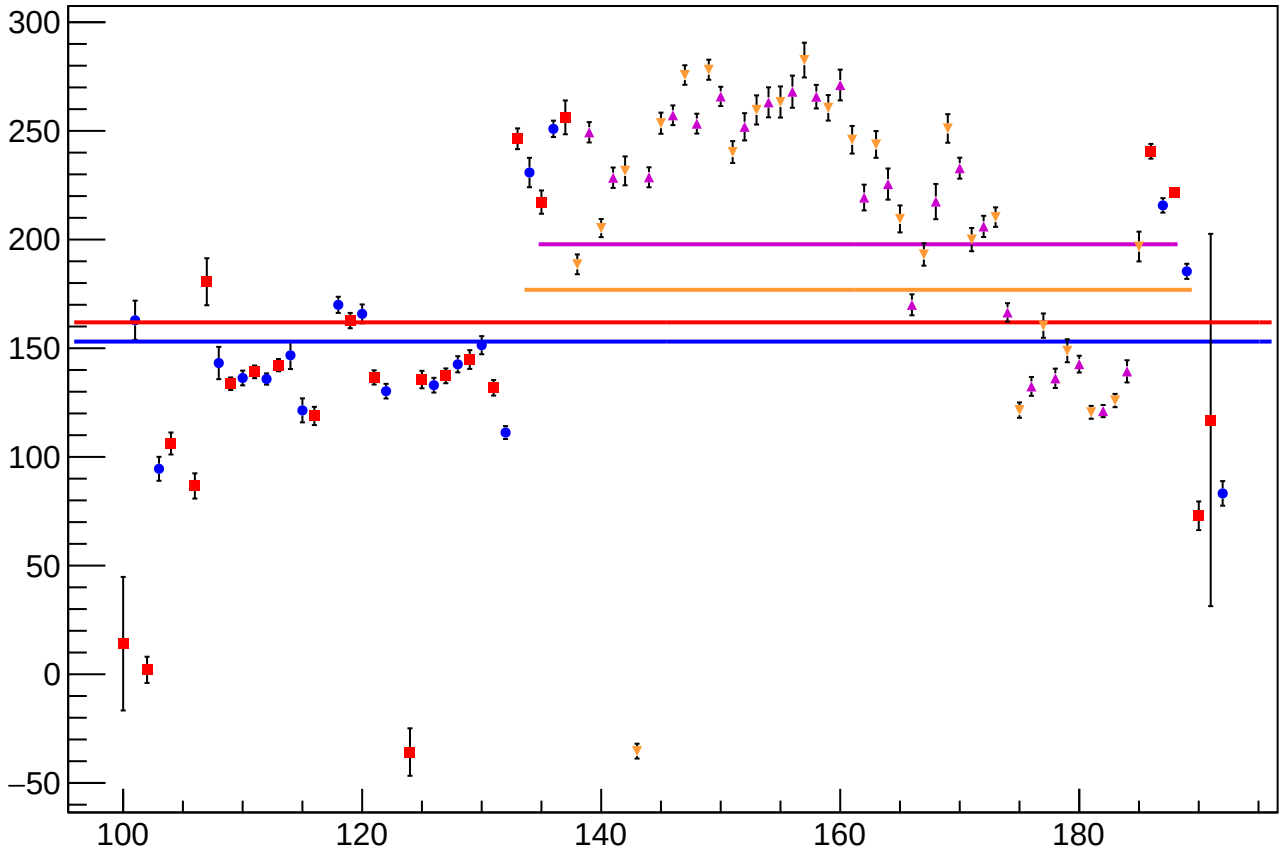
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -117.665+/-0.051 χ^2/NDF: 560622.8/41

In: -137.982+/-0.038 χ^2/NDF:359325.1/41

Out: -127.492+/-0.037 χ^2/NDF:1152227.3/47

All: -132.540+/-0.026 χ^2/NDF: 1550970.2/89



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: 161.909+/-0.814 χ^2/NDF: 4310.5/22

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

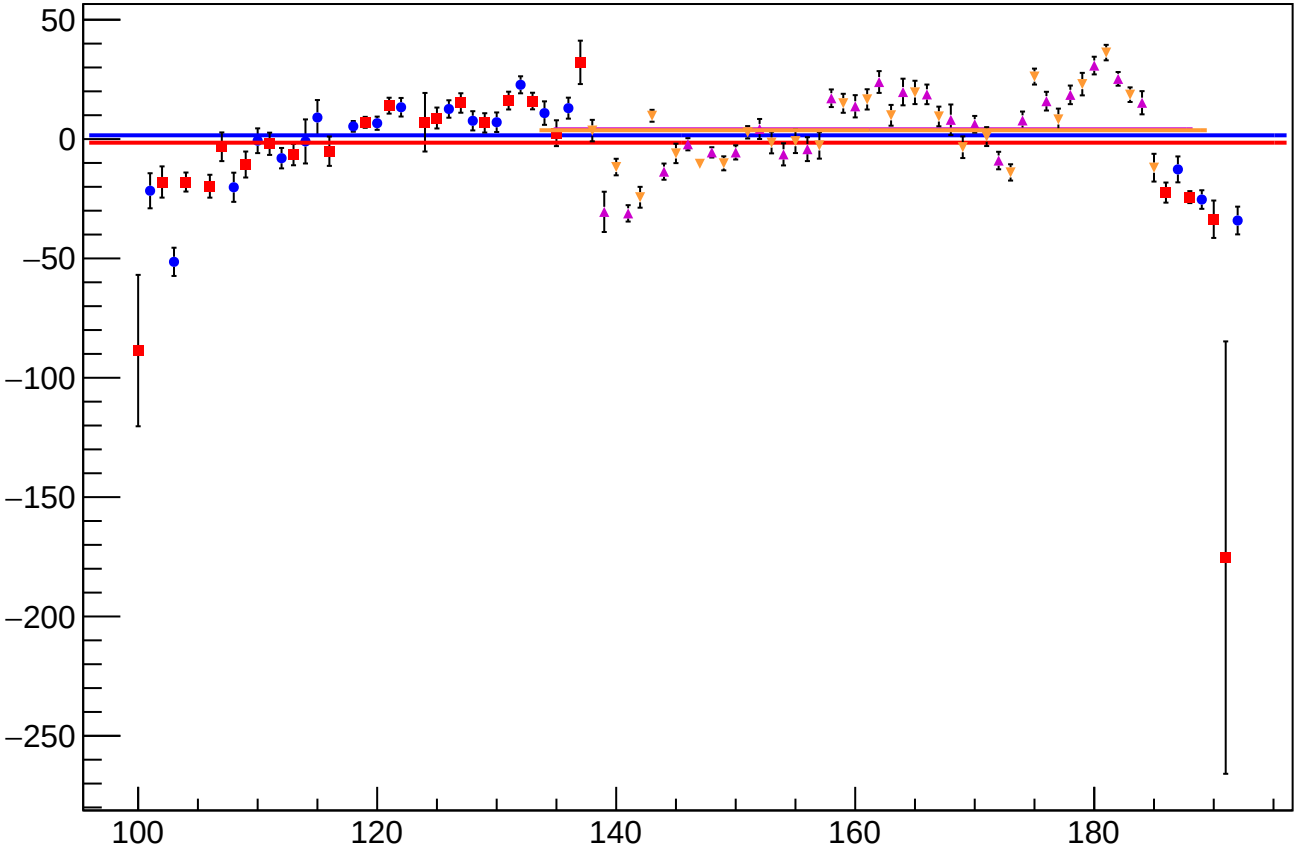
Right: 157.999+/-0.608 χ^2/NDF: 6294.5/41

In: 173.303+/-0.676 χ^2/NDF:5984.3/41

Out: 168.190+/-0.620 χ^2/NDF:11877.3/47

All: 170.525+/-0.457 χ^2/NDF: 17892.6/89

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: -1.512+/-0.910 χ^2/NDF: 302.2/22

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

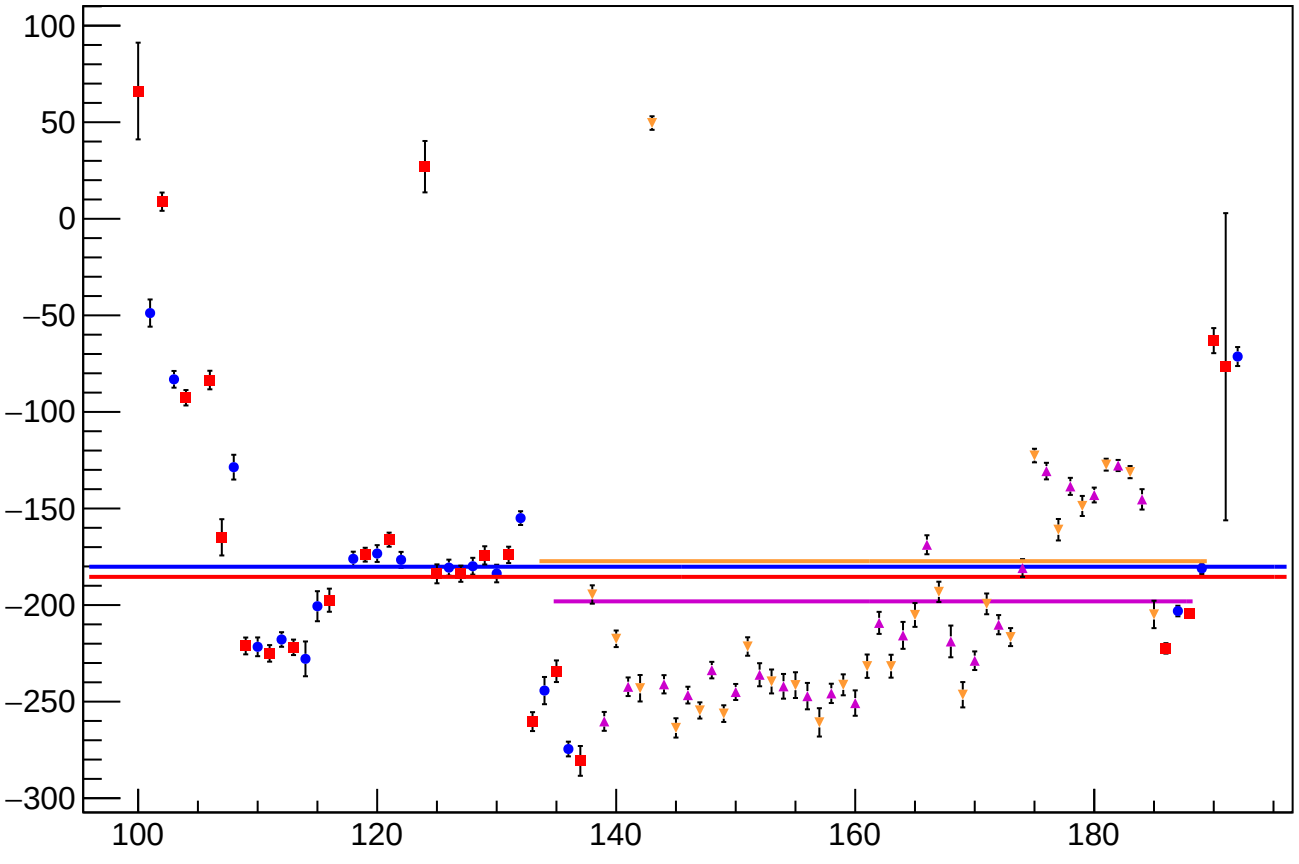
Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

Right: -0.047+/-0.660 χ^2/NDF: 583.5/41

In: 3.114+/-0.600 χ^2/NDF:679.0/41

Out: 1.685+/-0.566 χ^2/NDF:723.3/47

All: 2.358+/-0.412 χ^2/NDF: 1405.3/89



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: -185.403+/-0.828 χ^2/NDF: 4513.0/22

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

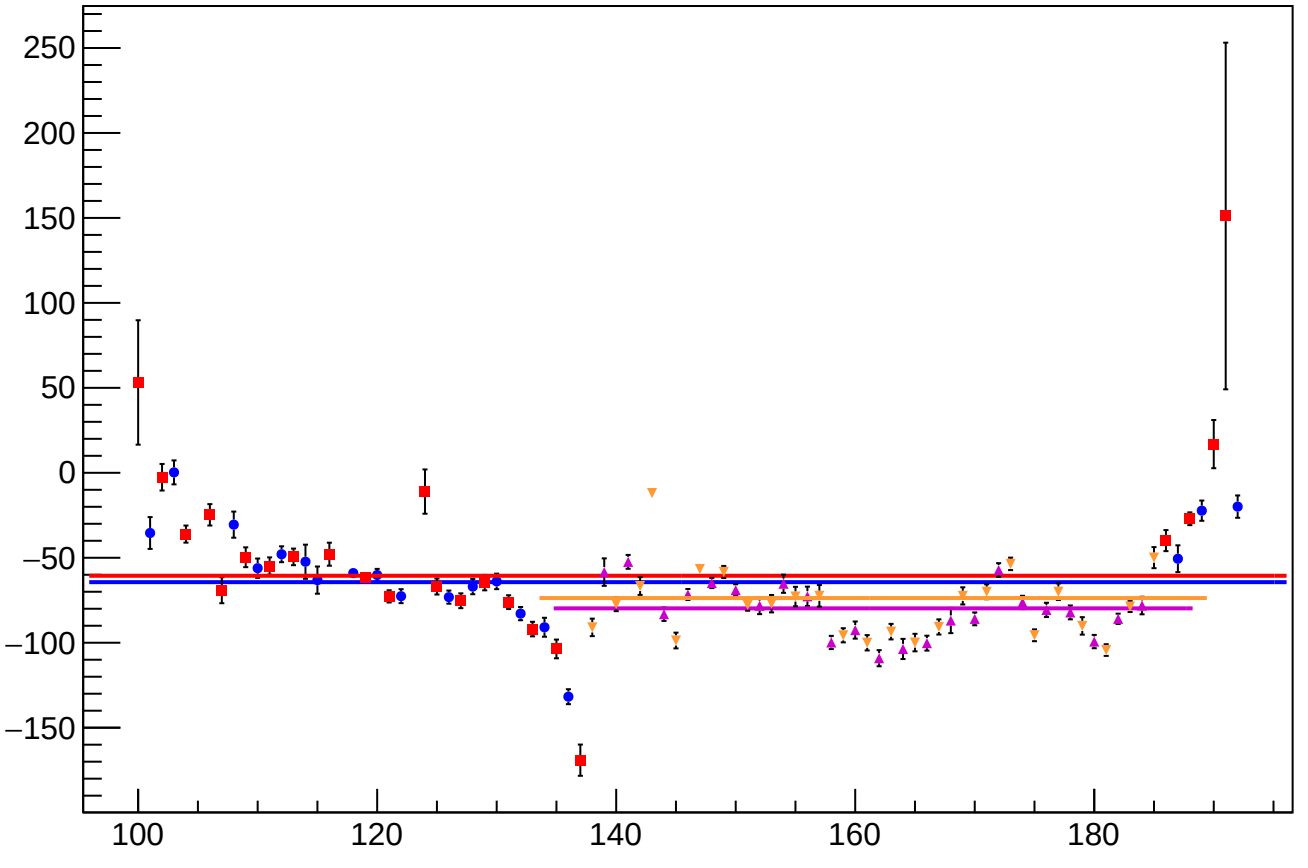
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -183.213+/-0.632 χ^2/NDF: 6962.7/41

In: -188.929+/-0.700 χ^2/NDF:4983.4/41

Out: -181.921+/-0.626 χ^2/NDF:11594.2/47

All: -185.038+/-0.467 χ^2/NDF: 16633.3/89



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: -60.583+/-1.093 χ^2/NDF: 569.1/22

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

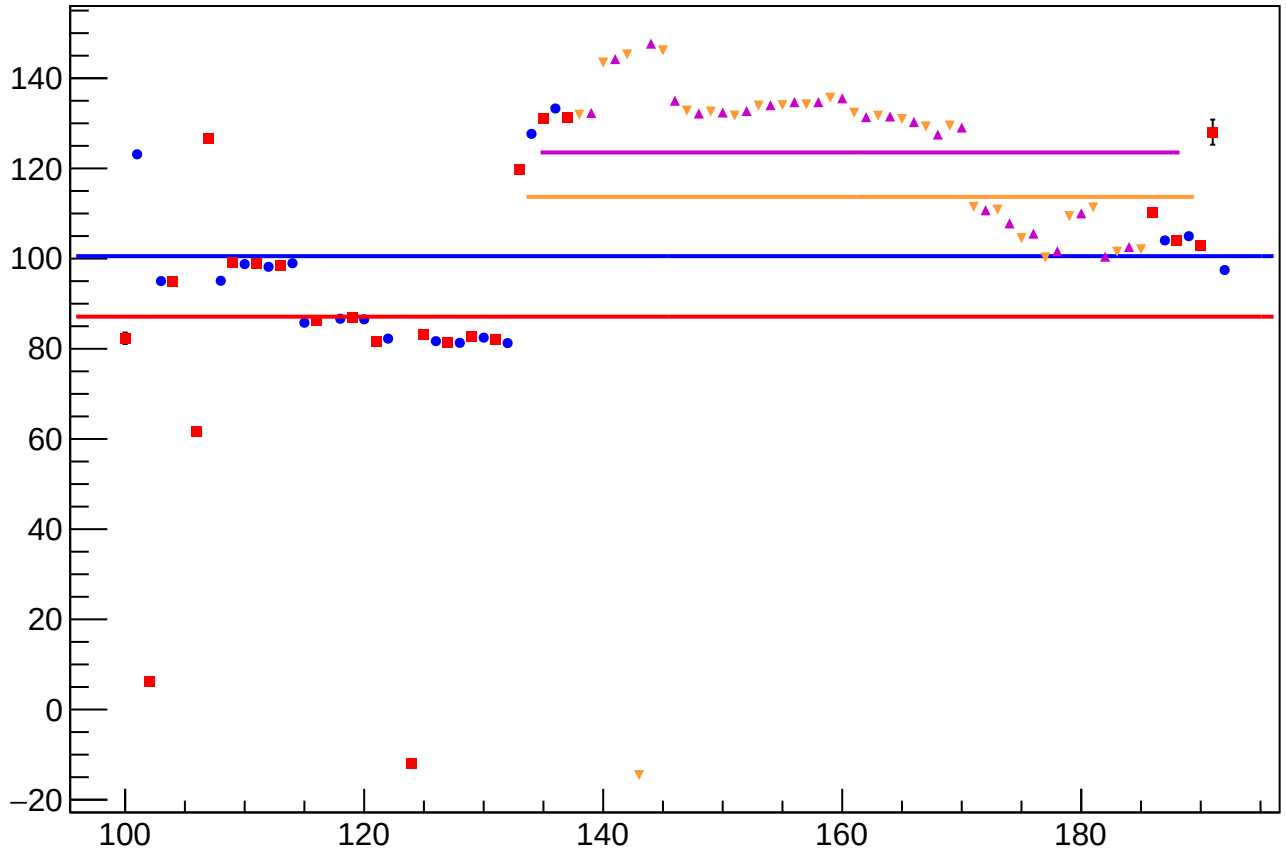
Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

Right: -62.405+/-0.785 χ^2/NDF: 1095.8/41

In: -73.998+/-0.691 χ^2/NDF:914.7/41

Out: -68.916+/-0.660 χ^2/NDF:1500.2/47

All: -71.341+/-0.477 χ^2/NDF: 2443.2/89



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: 87.122+/-0.064 χ^2/NDF: 277026.1/22

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

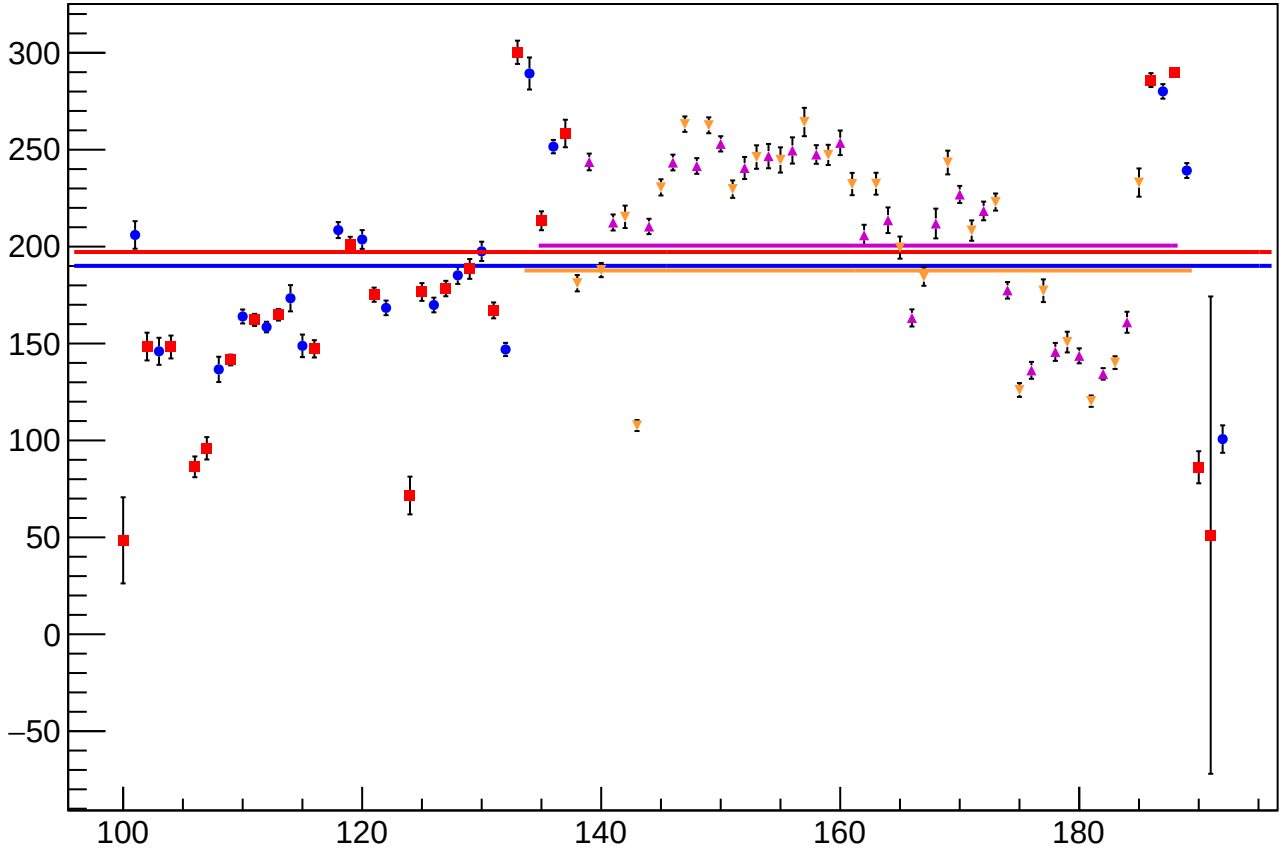
Right: 93.546+/-0.046 χ^2/NDF: 366091.9/41

In: 117.553+/-0.034 χ^2/NDF:290306.7/41

Out: 106.663+/-0.033 χ^2/NDF:1366989.3/47

All: 111.917+/-0.024 χ^2/NDF: 1710154.5/89

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: 197.216+/-0.875 χ^2/NDF: 5333.7/22

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

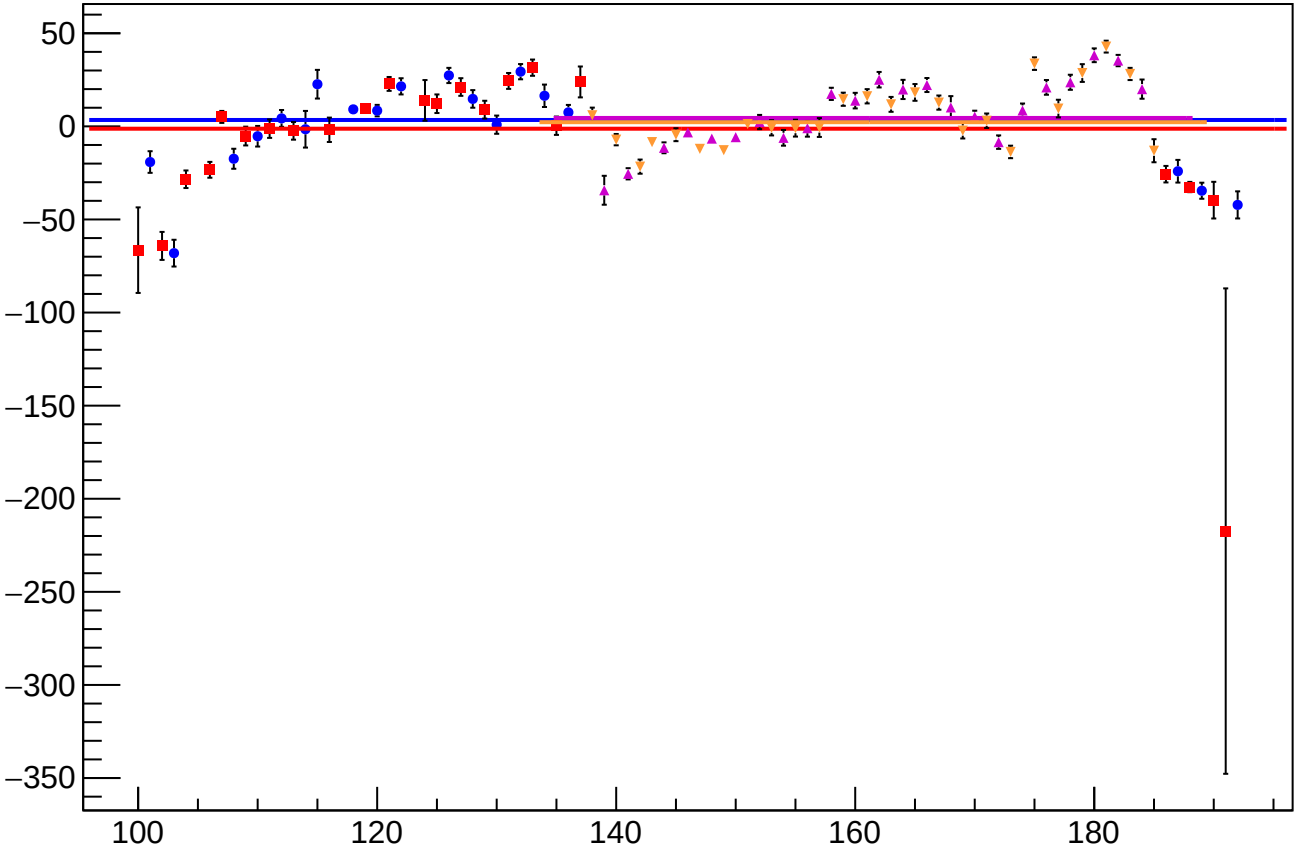
Right: 194.119+/-0.658 χ^2/NDF: 7330.4/41

In: 195.535+/-0.691 χ^2/NDF:4136.3/41

Out: 192.573+/-0.626 χ^2/NDF:8919.9/47

All: 193.910+/-0.464 χ^2/NDF: 13066.3/89

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: -1.262+/-0.963 χ^2/NDF: 517.7/22

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

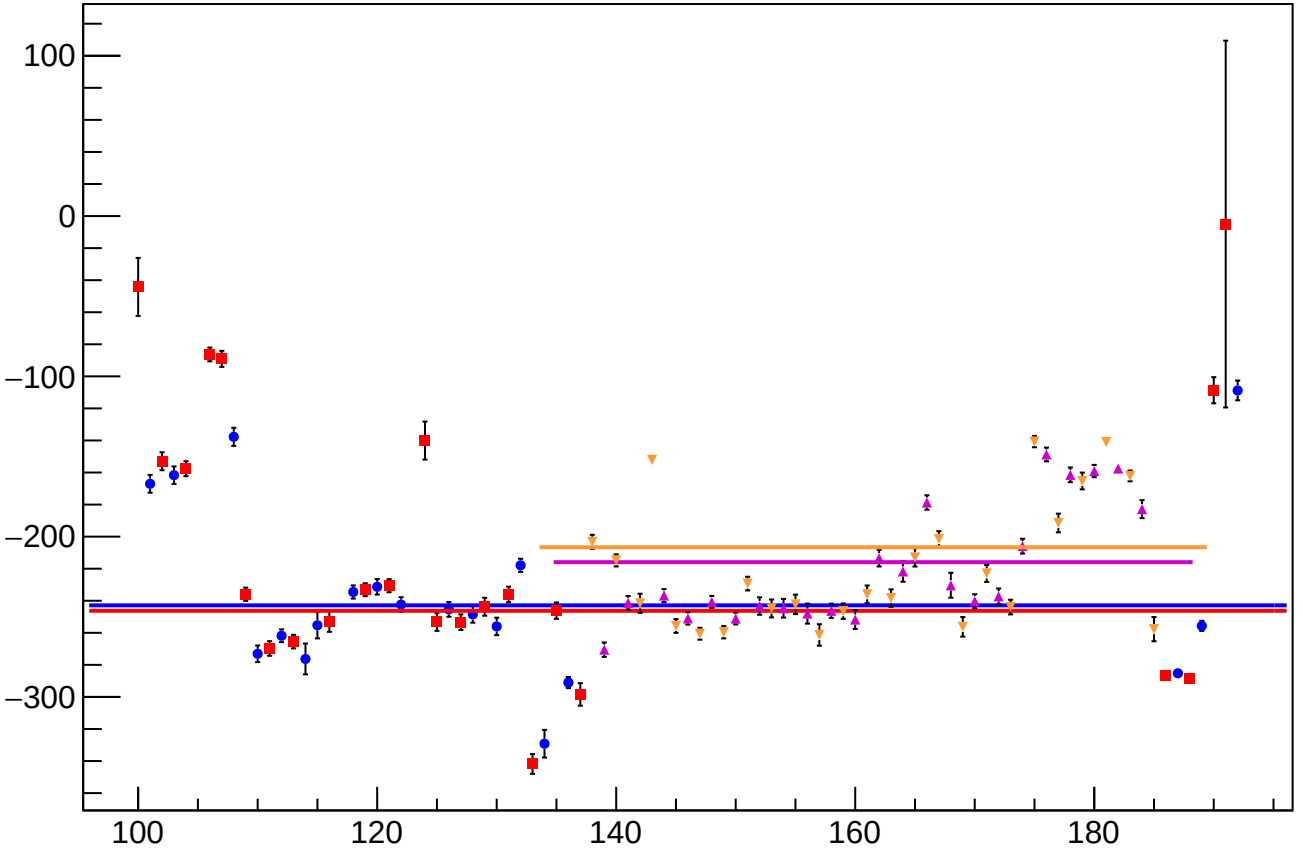
Right: 0.879+/-0.710 χ^2/NDF: 915.1/41

In: 4.169+/-0.591 χ^2/NDF:934.5/41

Out: 1.113+/-0.547 χ^2/NDF:1127.5/47

All: 2.524+/-0.401 χ^2/NDF: 2076.4/89

reg_asym_atl_dd_atr_dd_avg_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: -246.264+/-0.892 χ^2/NDF: 4787.6/22

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

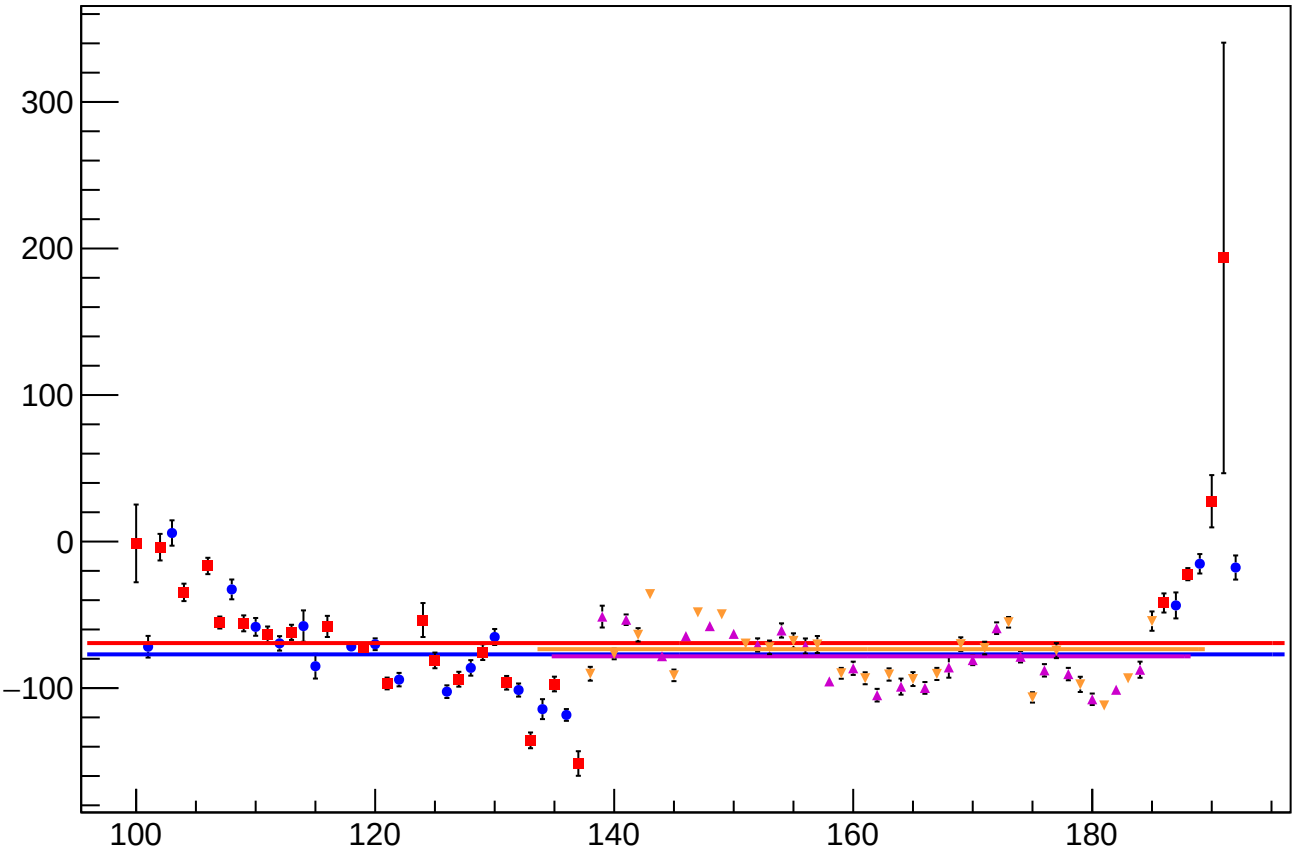
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -244.872+/-0.685 χ^2/NDF: 6642.6/41

In: -227.763+/-0.709 χ^2/NDF:3916.7/41

Out: -226.497+/-0.632 χ^2/NDF:8240.0/47

All: -227.058+/-0.472 χ^2/NDF: 12158.5/89



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: -69.281+/-1.158 χ^2/NDF: 775.8/22

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

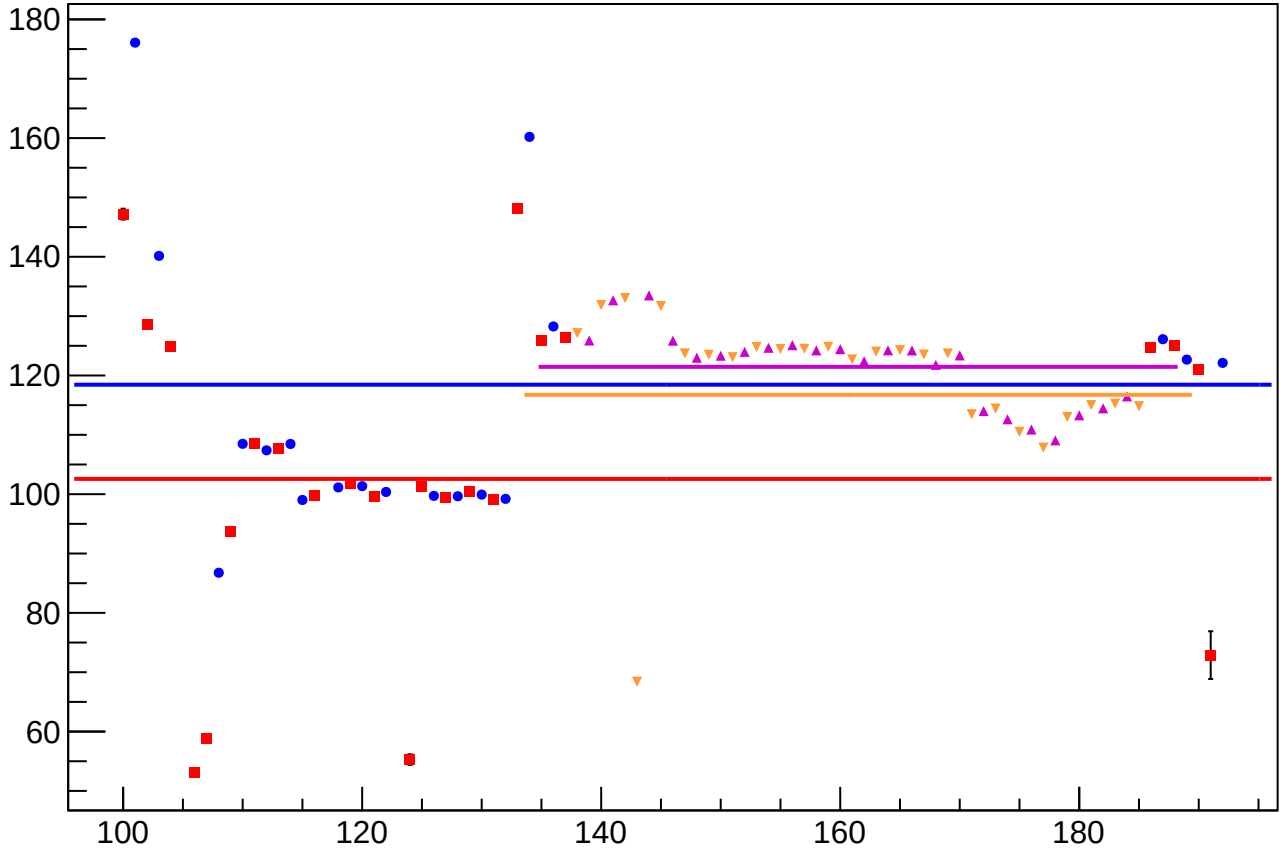
Right: -72.881+/-0.845 χ^2/NDF: 1327.9/41

In: -77.920+/-0.682 χ^2/NDF:975.5/41

Out: -72.162+/-0.639 χ^2/NDF:1621.2/47

All: -74.857+/-0.466 χ^2/NDF: 2634.7/89

reg_asym_atl_dd_atr_dd_avg_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: 102.577+/-0.066 χ^2/NDF: 181361.3/22

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

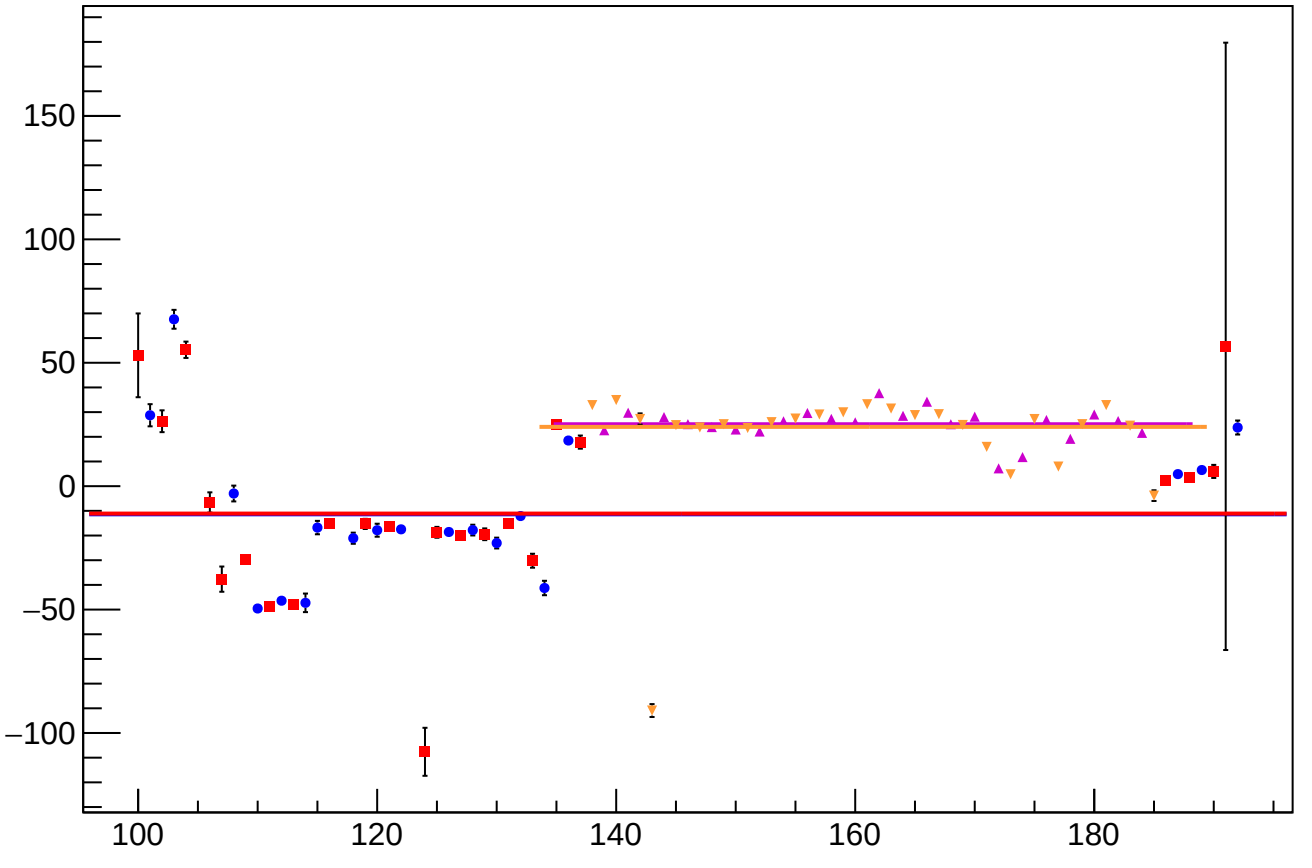
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 109.800+/-0.049 χ^2/NDF: 303823.8/41

In: 120.822+/-0.033 χ^2/NDF:126282.3/41

Out: 113.515+/-0.031 χ^2/NDF:420624.5/47

All: 116.983+/-0.023 χ^2/NDF: 572485.9/89



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: -11.105+/-0.437 χ^2/NDF: 2635.3/22

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

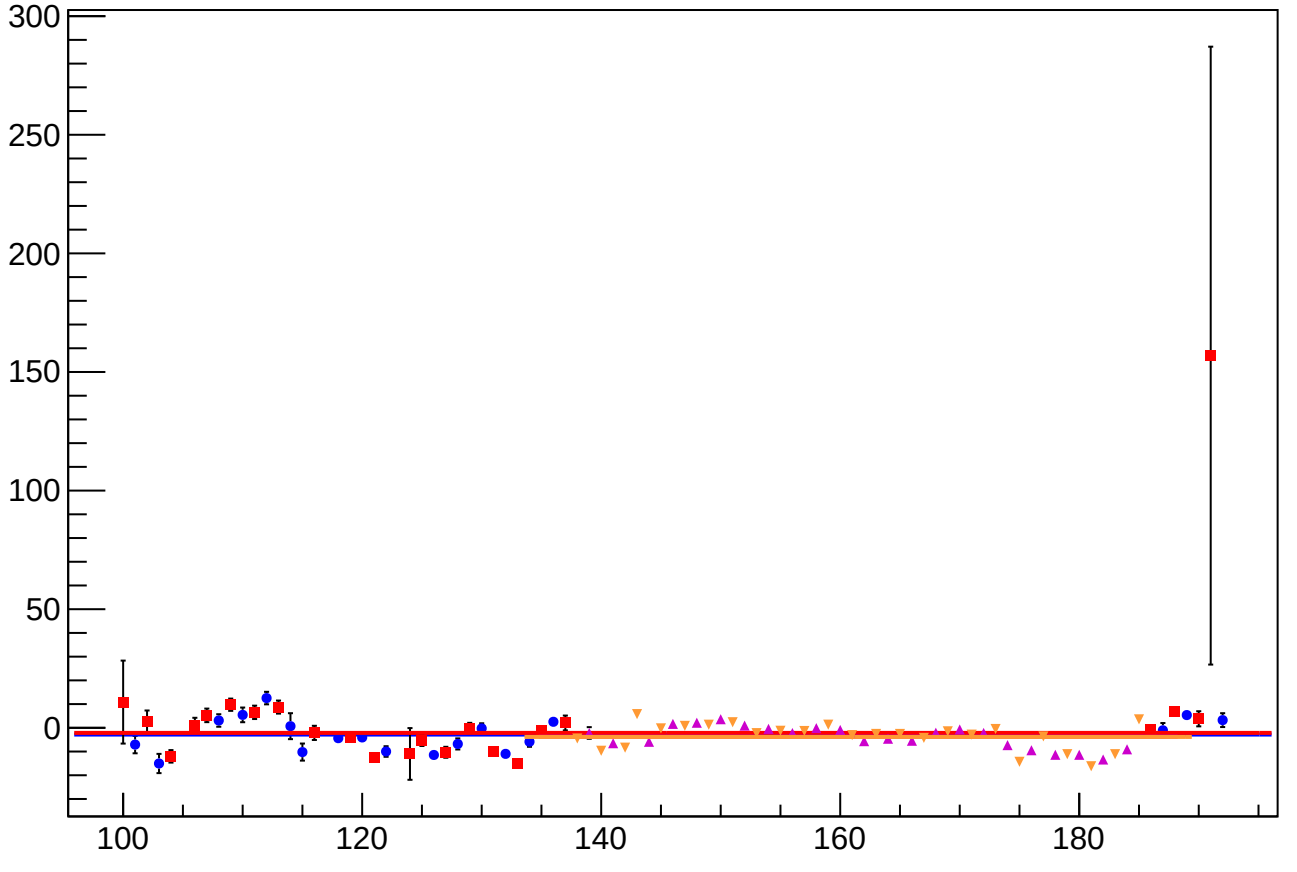
Right: -11.238+/-0.327 χ^2/NDF: 5132.2/41

In: 15.829+/-0.248 χ^2/NDF:7088.8/41

Out: 13.698+/-0.237 χ^2/NDF:9999.2/47

All: 14.714+/-0.171 χ^2/NDF: 17126.6/89

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: -2.142+/-0.493 χ^2/NDF: 212.5/22

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

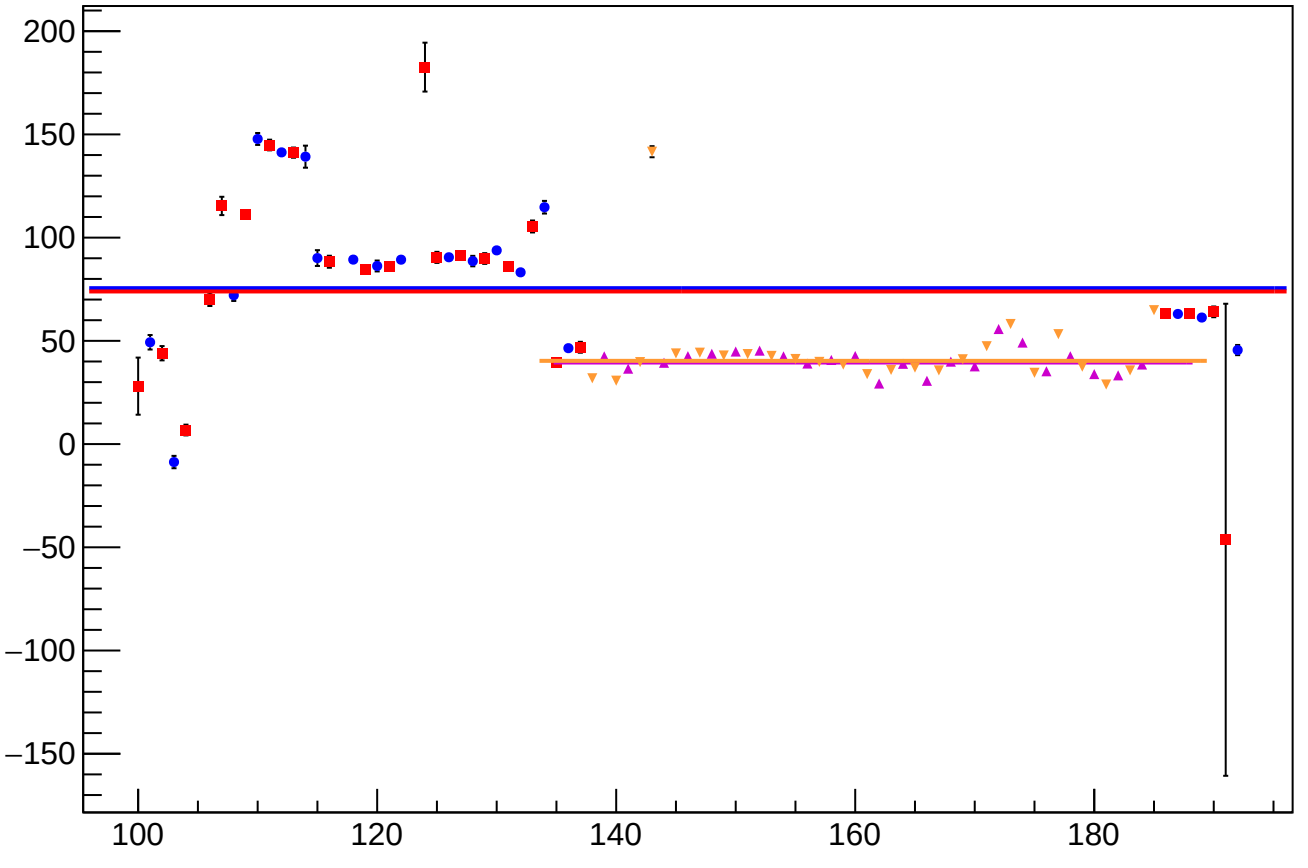
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -2.477+/-0.357 χ^2/NDF: 359.5/41

In: -3.633+/-0.205 χ^2/NDF:658.6/41

Out: -3.567+/-0.199 χ^2/NDF:871.8/47

All: -3.599+/-0.143 χ^2/NDF: 1530.5/89



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: 73.925+/-0.441 χ^2/NDF: 3762.5/22

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

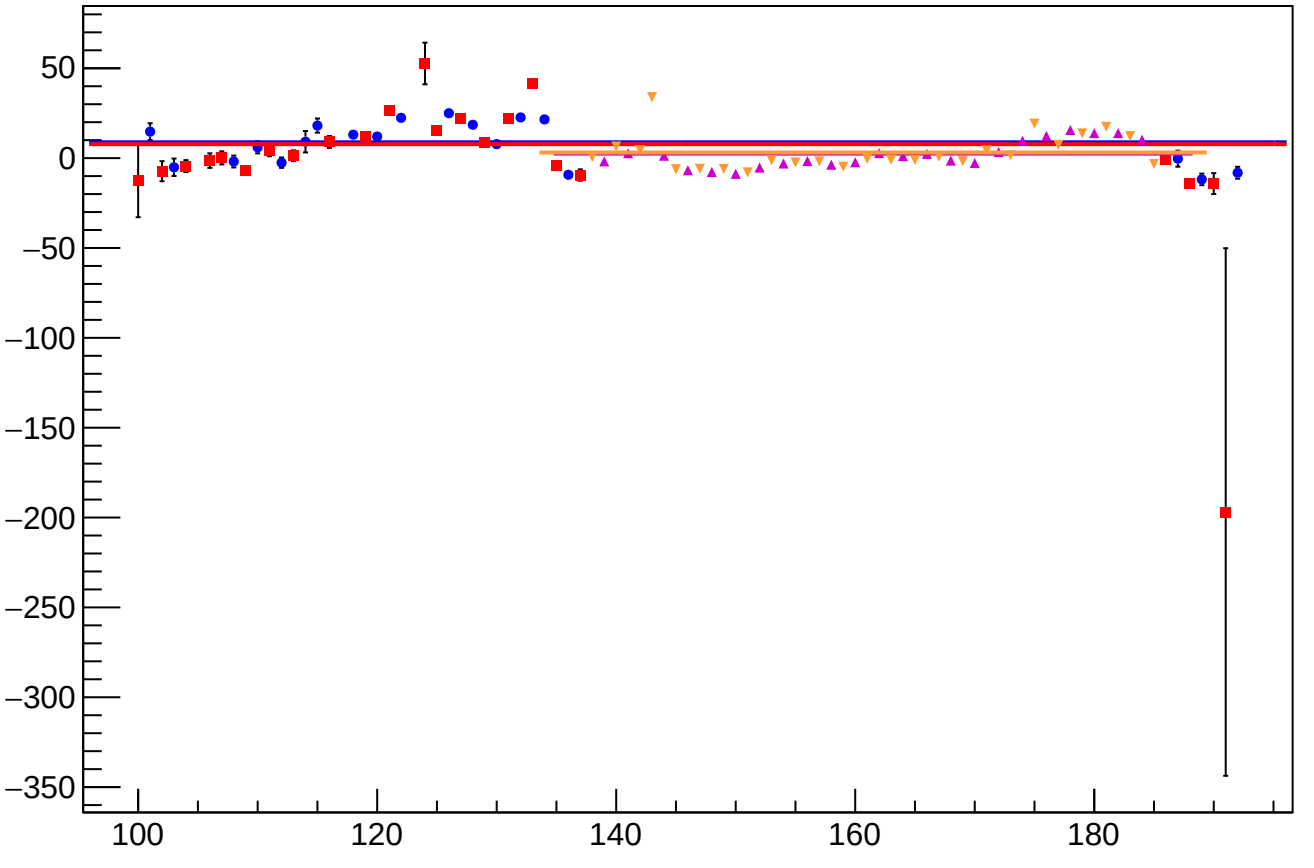
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 74.589+/-0.337 χ^2/NDF: 7373.9/41

In: 47.757+/-0.250 χ^2/NDF:7704.7/41

Out: 49.978+/-0.236 χ^2/NDF:10083.0/47

All: 48.929+/-0.172 χ^2/NDF: 17829.4/89



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: 7.768+/-0.591 χ^2/NDF: 615.8/22

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

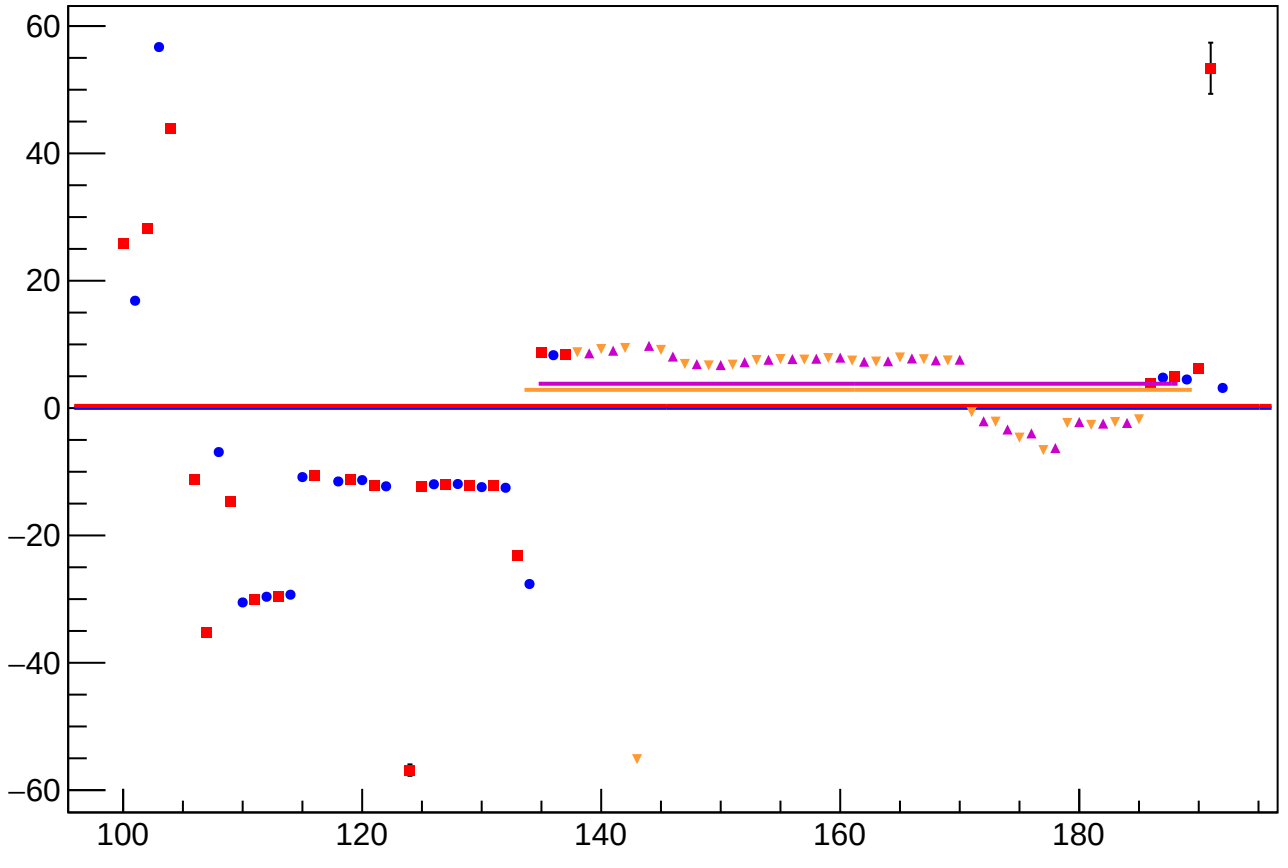
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 8.276+/-0.421 χ^2/NDF: 1054.8/41

In: 3.457+/-0.232 χ^2/NDF:1499.1/41

Out: 3.823+/-0.227 χ^2/NDF:1935.2/47

All: 3.644+/-0.162 χ^2/NDF: 3435.5/89



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: 0.348+/-0.034 χ^2/NDF: 320553.3/22

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

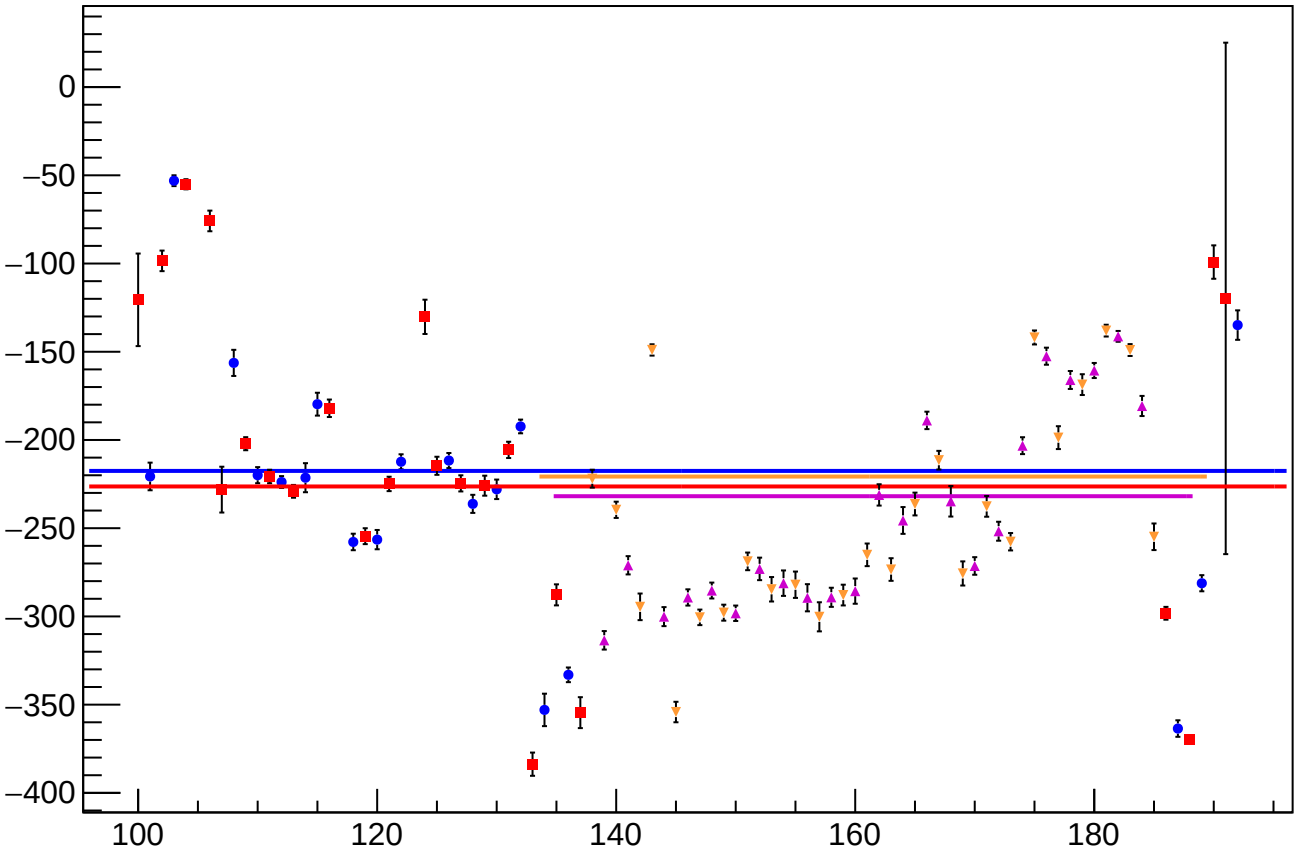
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 0.189+/-0.024 χ^2/NDF: 691431.7/41

In: 3.432+/-0.011 χ^2/NDF:616124.6/41

Out: 2.630+/-0.010 χ^2/NDF:837892.1/47

All: 3.029+/-0.007 χ^2/NDF: 1456943.0/89



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: -226.345+/-0.980 χ^2/NDF: 9750.3/22

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

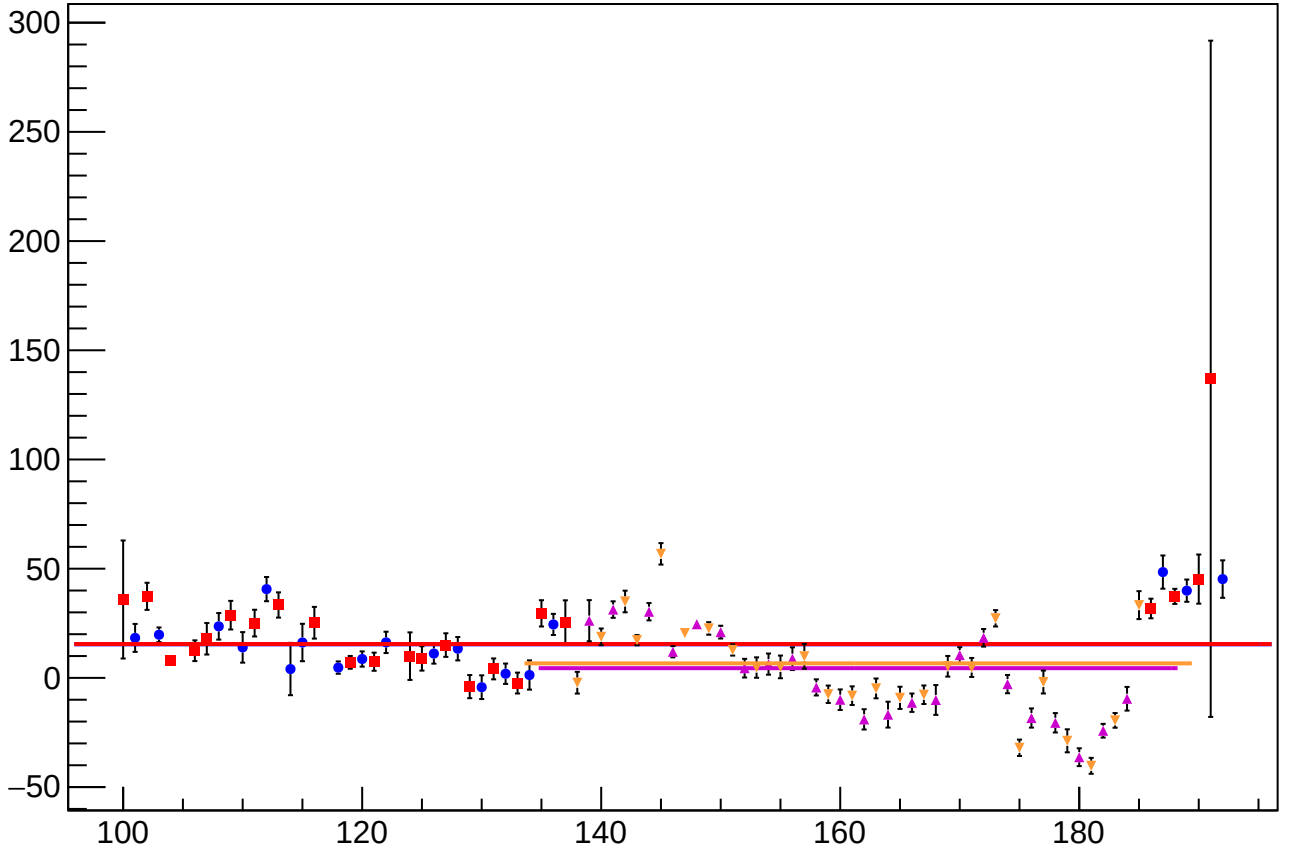
Right: -222.461+/-0.733 χ^2/NDF: 15207.5/41

In: -224.880+/-0.771 χ^2/NDF:8668.3/41

Out: -223.641+/-0.706 χ^2/NDF:13818.4/47

All: -224.206+/-0.521 χ^2/NDF: 22488.1/89

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.371+/-1.147 χ^2/NDF: 128.0/18

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 15.496+/-1.034 χ^2/NDF: 156.0/22

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

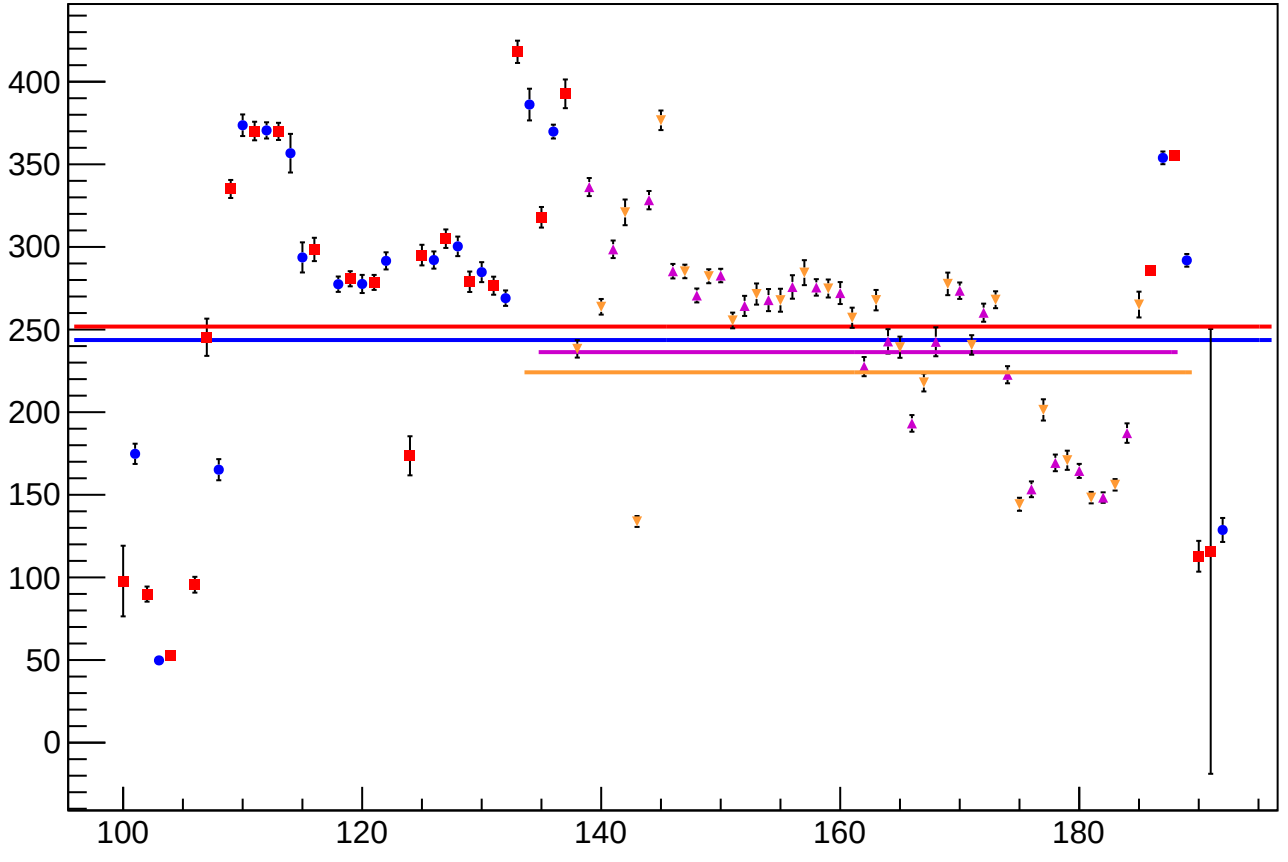
Right: 15.440+/-0.768 χ^2/NDF: 284.0/41

In: 8.065+/-0.660 χ^2/NDF:755.8/41

Out: 9.710+/-0.608 χ^2/NDF:938.9/47

All: 8.954+/-0.447 χ^2/NDF: 1698.0/89

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: 251.807+/-0.963 χ^2/NDF: 15627.3/22

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

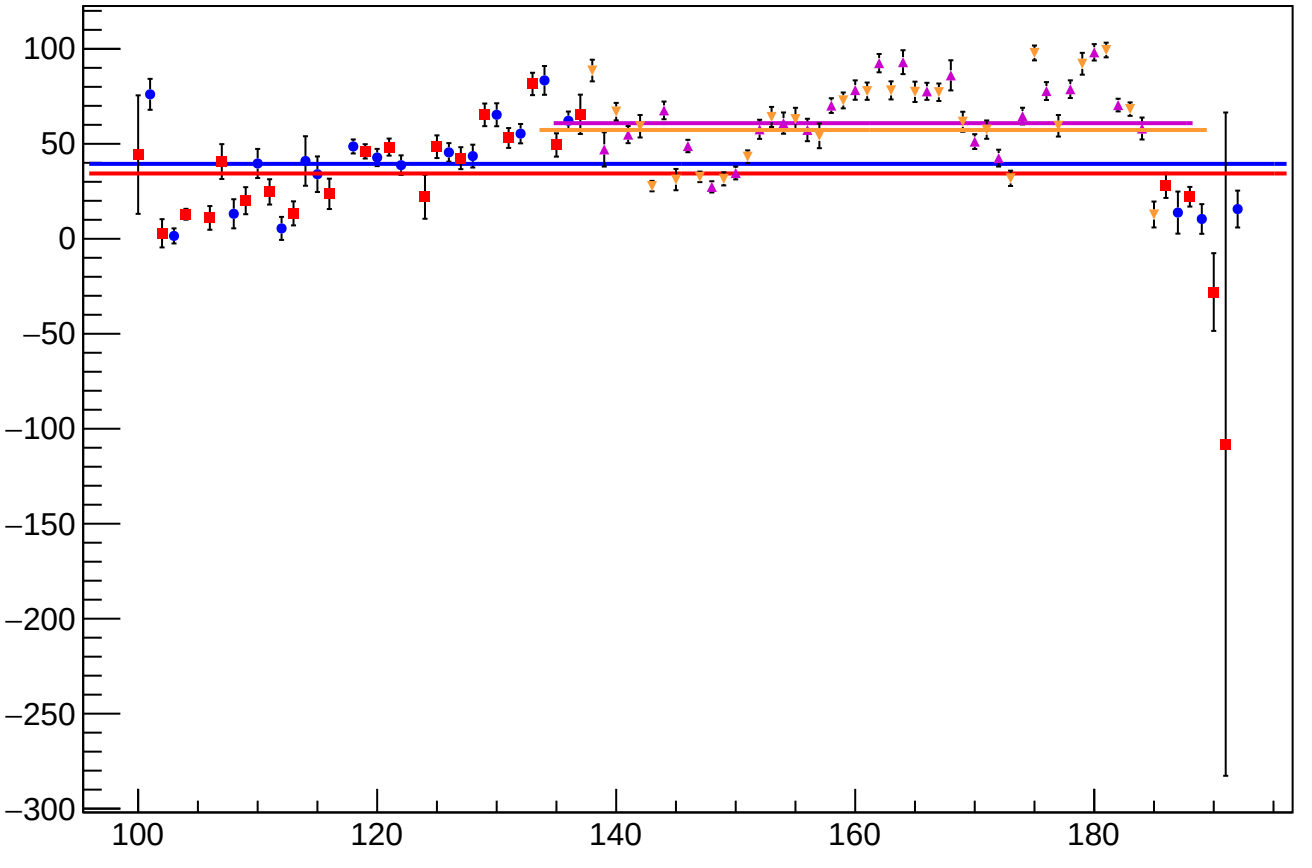
Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

Right: 248.375+/-0.733 χ^2/NDF: 26378.8/41

In: 239.791+/-0.775 χ^2/NDF:13736.5/41

Out: 238.676+/-0.698 χ^2/NDF:19986.0/47

All: 239.176+/-0.519 χ^2/NDF: 33723.6/89



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: 34.384+/-1.251 χ^2/NDF: 270.7/22

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

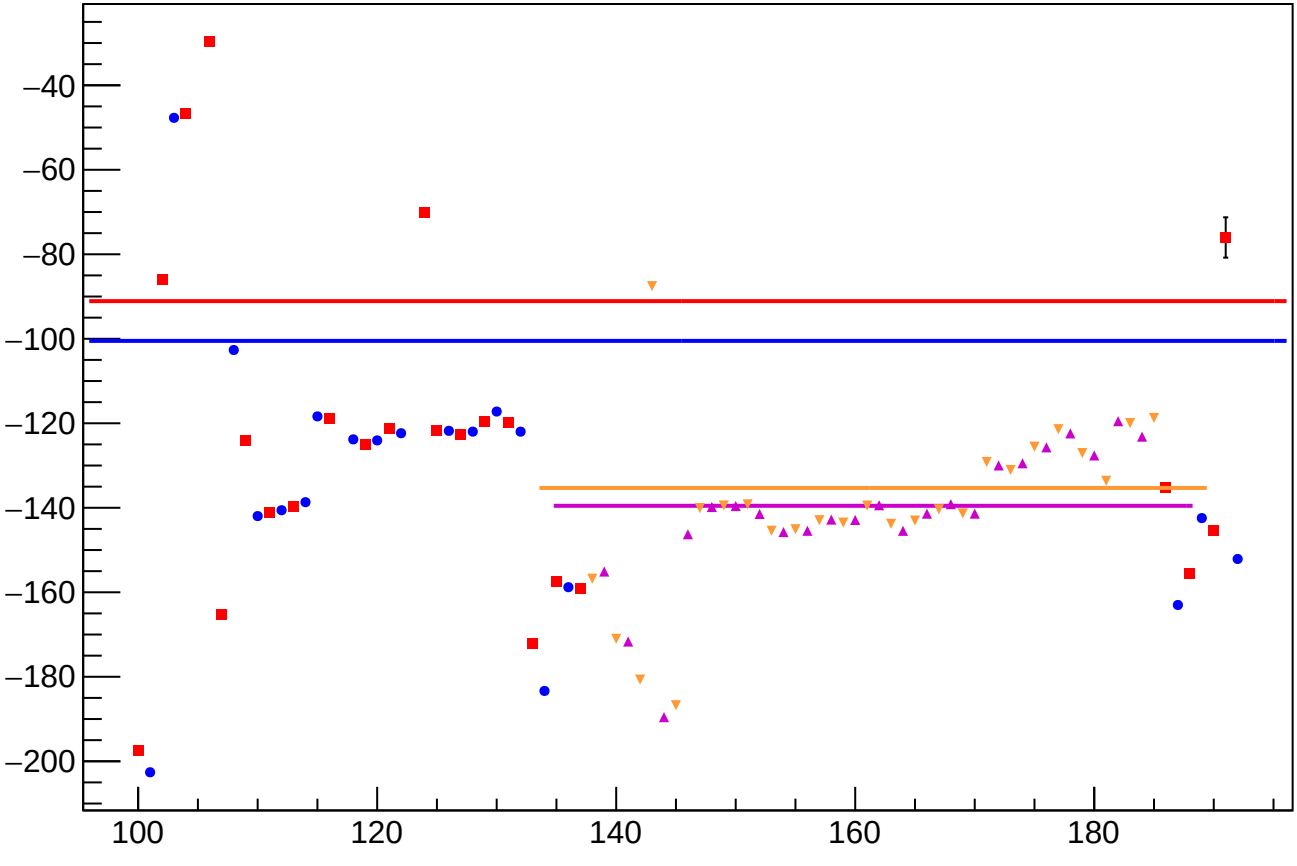
Right: 36.721+/-0.918 χ^2/NDF: 550.9/41

In: 54.069+/-0.762 χ^2/NDF:898.7/41

Out: 49.843+/-0.713 χ^2/NDF:1264.9/47

All: 51.816+/-0.521 χ^2/NDF: 2180.0/89

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -91.086+/-0.064 χ^2/NDF: 561031.2/22

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

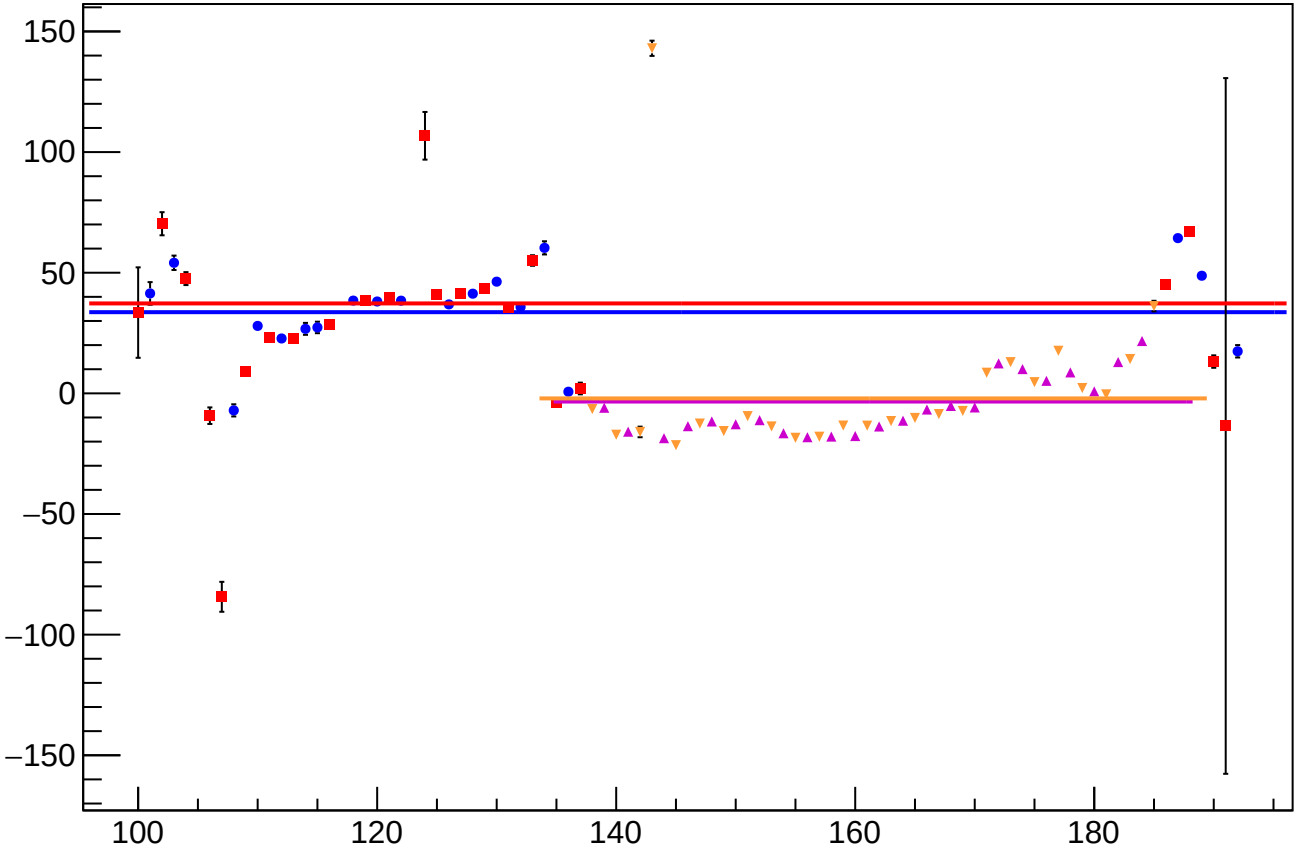
Right: -95.641+/-0.046 χ^2/NDF: 1149068.4/41

In: -128.279+/-0.036 χ^2/NDF:939815.2/41

Out: -122.650+/-0.034 χ^2/NDF:1163794.9/47

All: -125.364+/-0.025 χ^2/NDF: 2116610.5/89

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: 37.276+/-0.328 χ^2/NDF: 4380.7/22

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

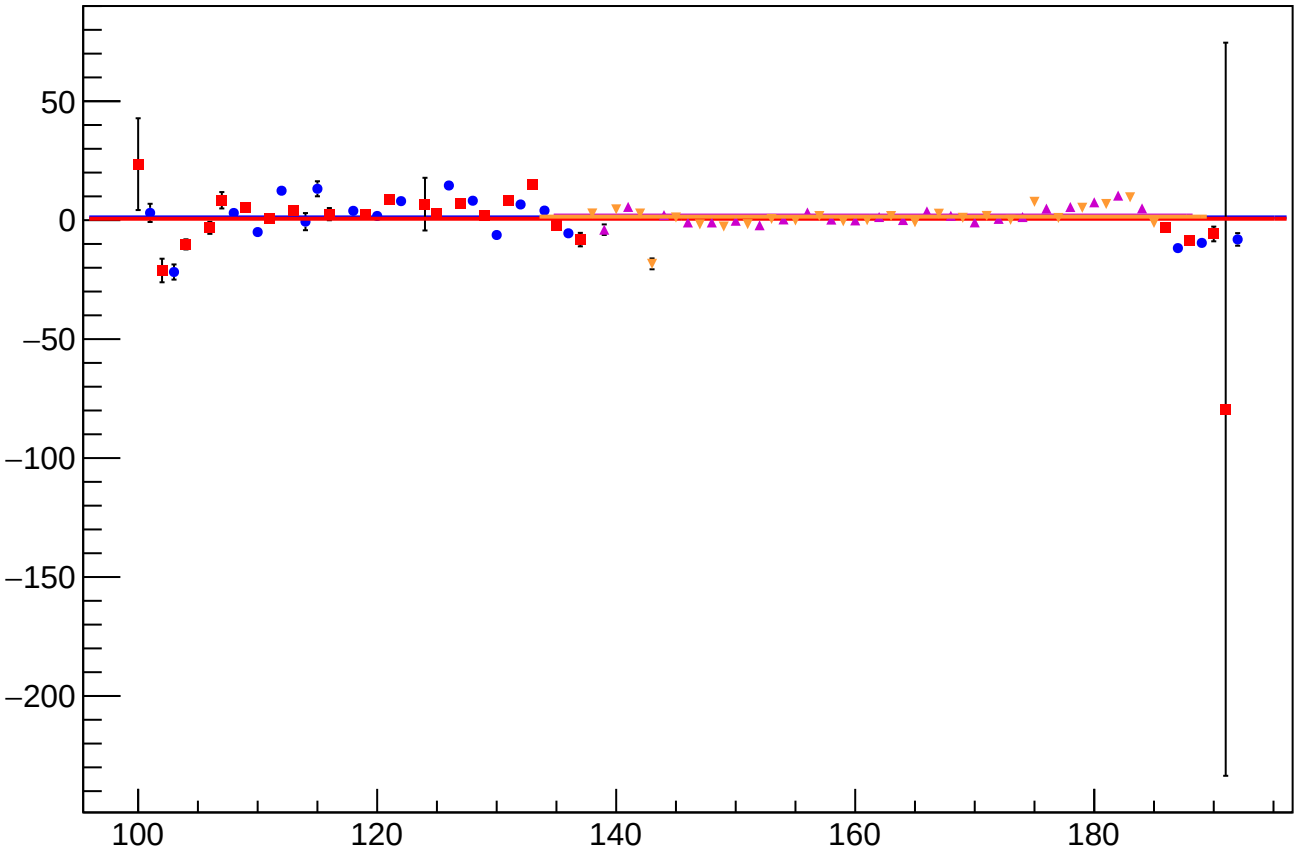
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 35.733+/-0.249 χ^2/NDF: 6624.4/41

In: 9.036+/-0.221 χ^2/NDF:10198.6/41

Out: 13.559+/-0.207 χ^2/NDF:17239.3/47

All: 11.446+/-0.151 χ^2/NDF: 27660.8/89



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: 0.600+/-0.381 χ^2/NDF: 319.2/22

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

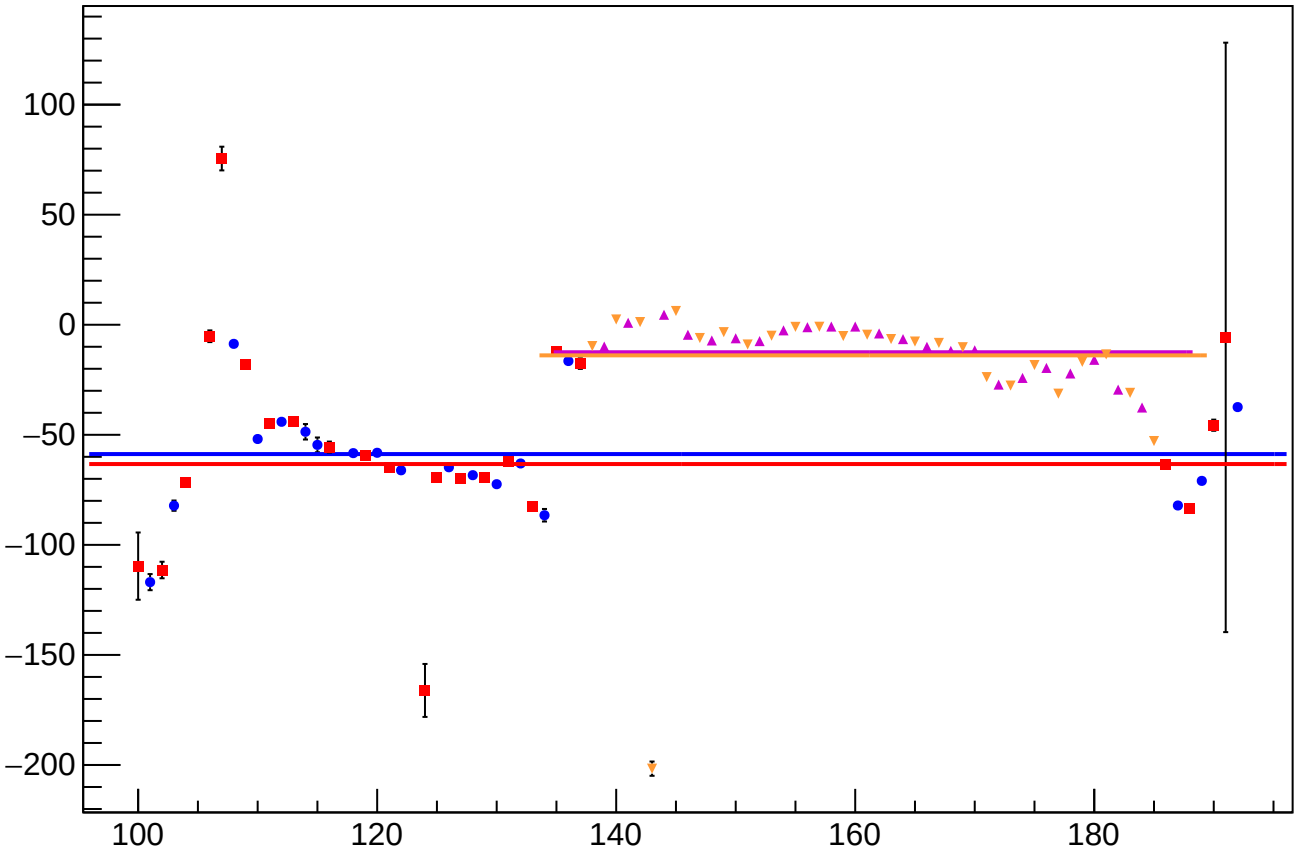
Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

Right: 0.859+/-0.280 χ^2/NDF: 686.4/41

In: 1.772+/-0.187 χ^2/NDF:609.7/41

Out: 1.290+/-0.180 χ^2/NDF:651.9/47

All: 1.522+/-0.130 χ^2/NDF: 1265.1/89



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: -63.285+/-0.327 χ^2/NDF: 4972.3/22

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

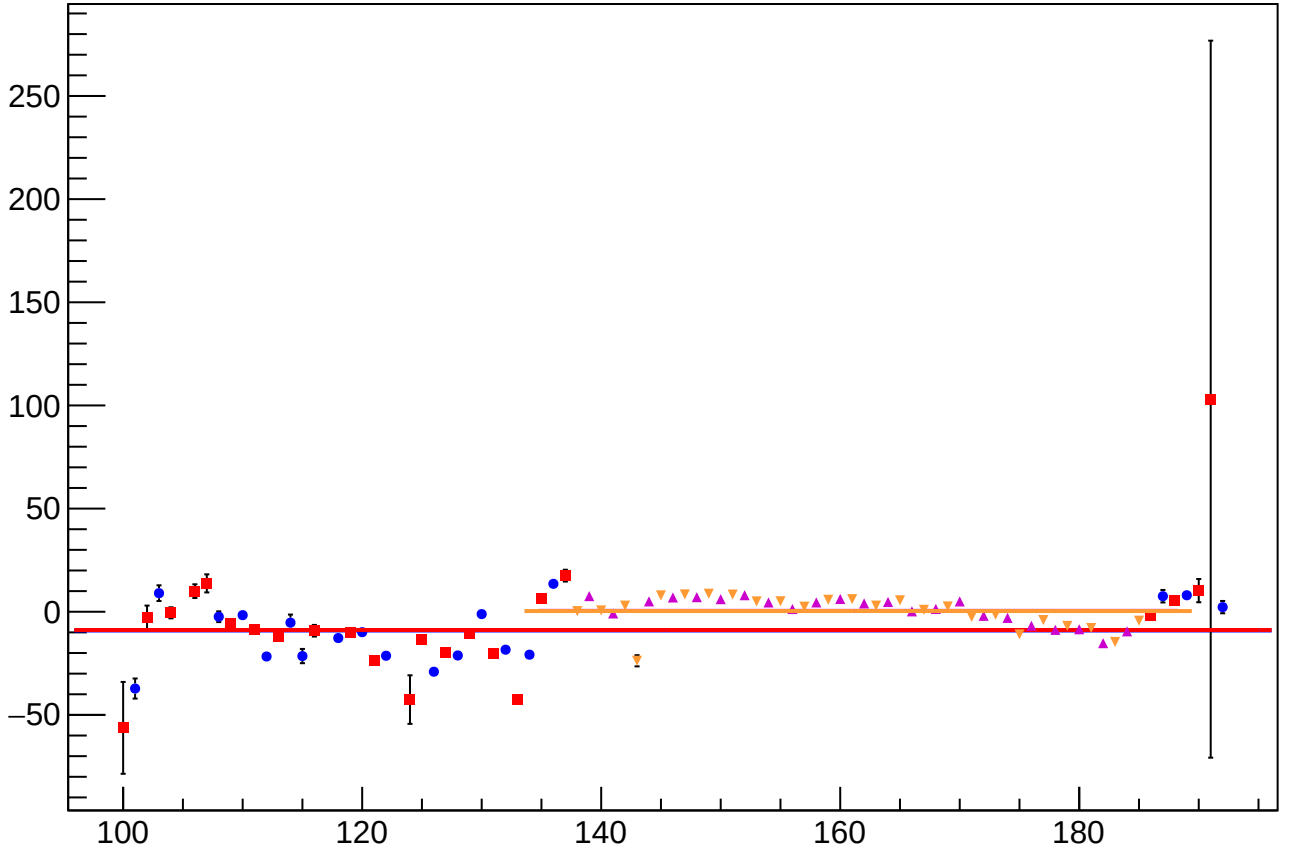
Right: -61.499+/-0.254 χ^2/NDF: 8246.0/41

In: -26.616+/-0.224 χ^2/NDF:13676.1/41

Out: -33.477+/-0.206 χ^2/NDF:23890.6/47

All: -30.338+/-0.151 χ^2/NDF: 38075.7/89

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: -8.856+/-0.463 χ^2/NDF: 811.0/22

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

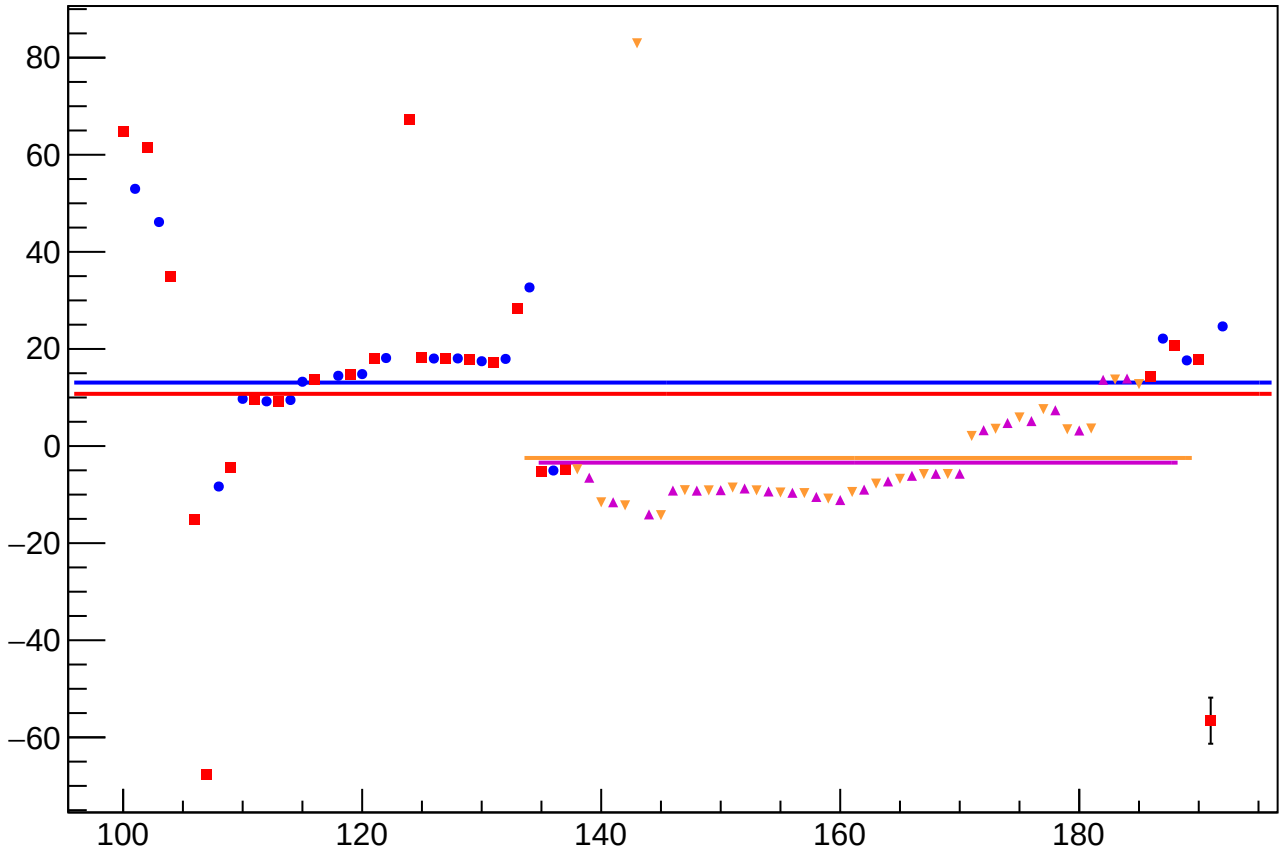
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -8.962+/-0.334 χ^2/NDF: 1586.2/41

In: -1.420+/-0.212 χ^2/NDF:1871.8/41

Out: -1.491+/-0.207 χ^2/NDF:2048.5/47

All: -1.456+/-0.148 χ^2/NDF: 3920.3/89



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: 10.755+/-0.028 χ^2/NDF: 458894.9/22

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

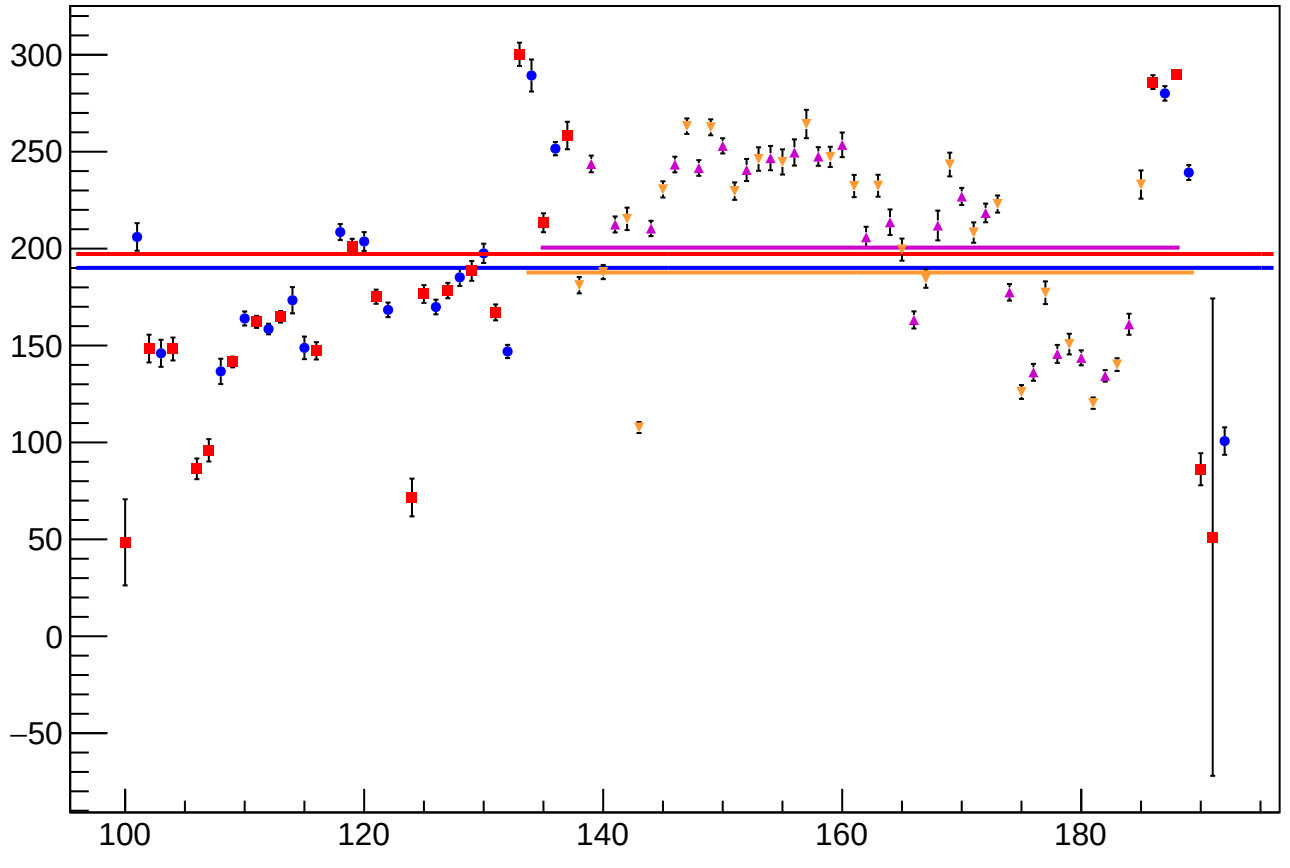
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 11.945+/-0.019 χ^2/NDF: 835059.9/41

In: -1.301+/-0.010 χ^2/NDF:1239828.7/41

Out: -0.853+/-0.010 χ^2/NDF:1617728.8/47

All: -1.076+/-0.007 χ^2/NDF: 2858615.4/89



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: 197.216+/-0.875 χ^2/NDF: 5333.7/22

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

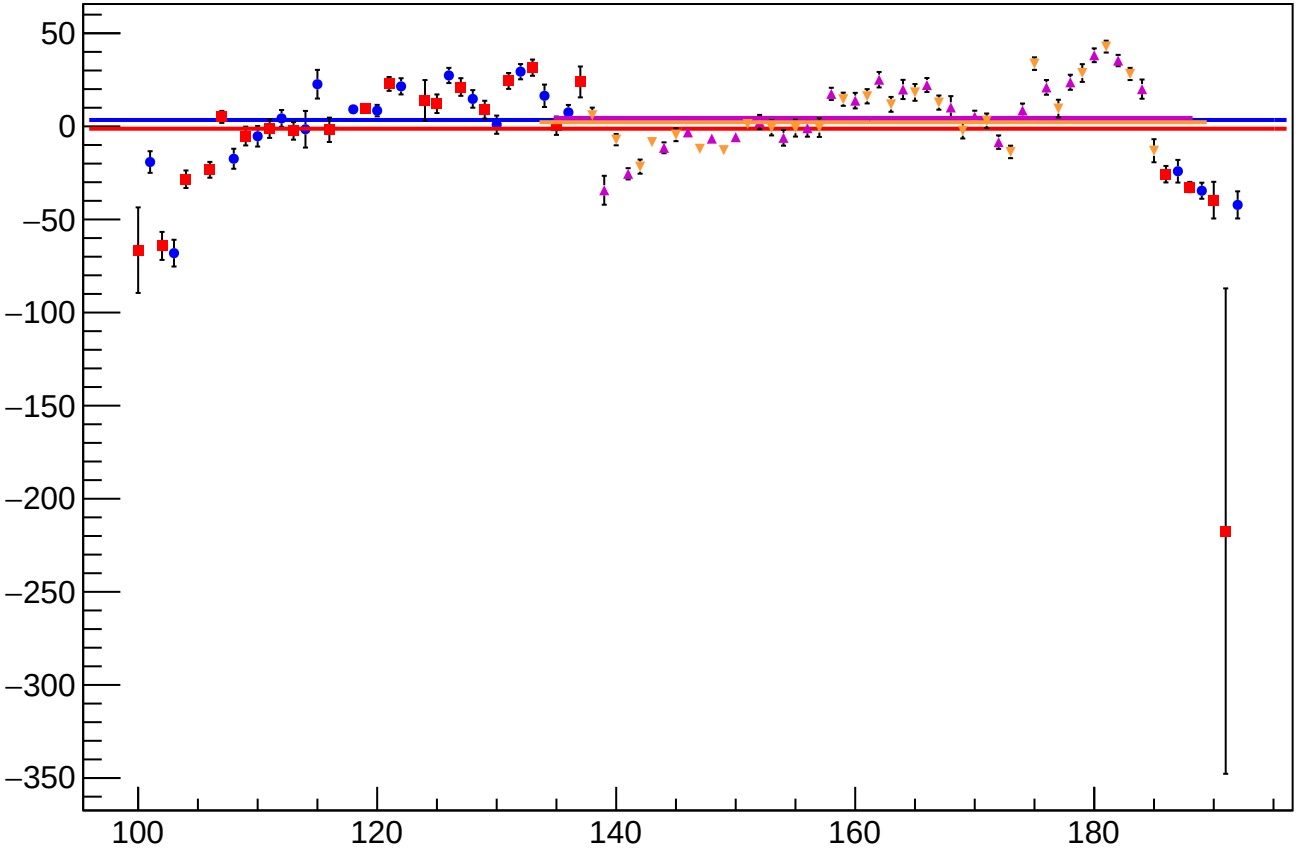
Right: 194.119+/-0.658 χ^2/NDF: 7330.4/41

In: 195.535+/-0.691 χ^2/NDF:4136.3/41

Out: 192.573+/-0.626 χ^2/NDF:8919.9/47

All: 193.910+/-0.464 χ^2/NDF: 13066.3/89

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: -1.262+/-0.963 χ^2/NDF: 517.7/22

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

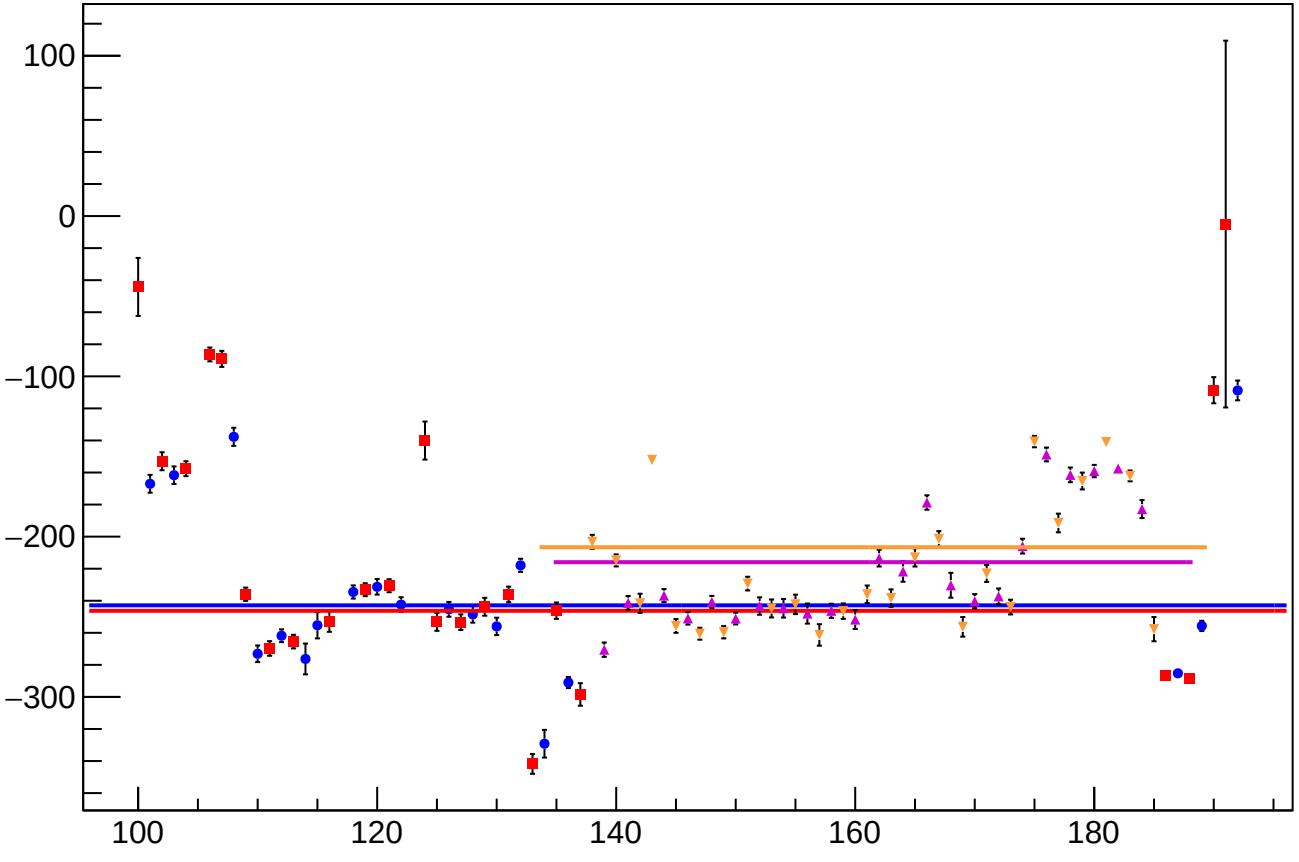
Right: 0.879+/-0.710 χ^2/NDF: 915.1/41

In: 4.169+/-0.591 χ^2/NDF:934.5/41

Out: 1.113+/-0.547 χ^2/NDF:1127.5/47

All: 2.524+/-0.401 χ^2/NDF: 2076.4/89

reg_asym_at1_avg_at2_avg_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: -246.264+/-0.892 χ^2/NDF: 4787.6/22

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

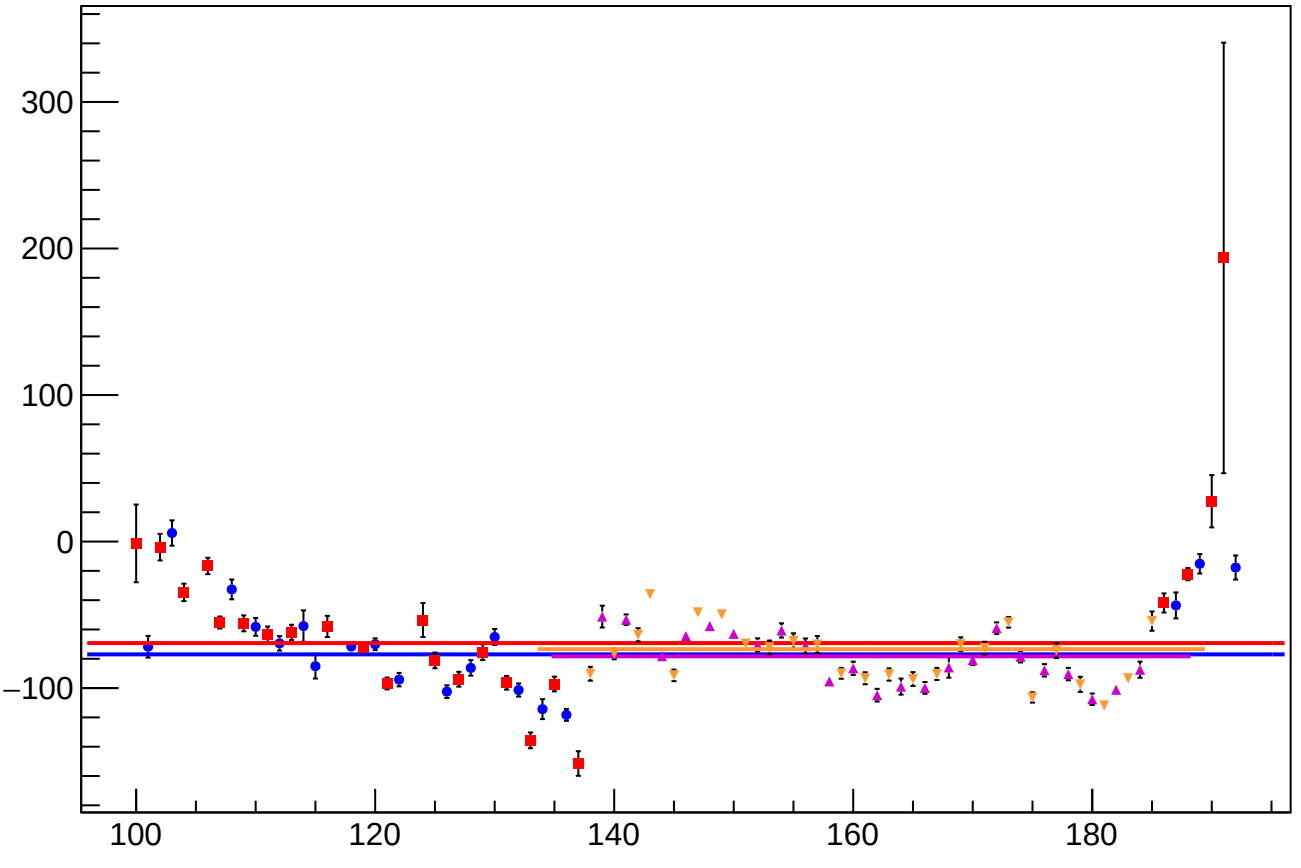
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -244.872+/-0.685 χ^2/NDF: 6642.6/41

In: -227.763+/-0.709 χ^2/NDF:3916.7/41

Out: -226.497+/-0.632 χ^2/NDF:8240.0/47

All: -227.058+/-0.472 χ^2/NDF: 12158.5/89



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: -69.281+/-1.158 χ^2/NDF: 775.8/22

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

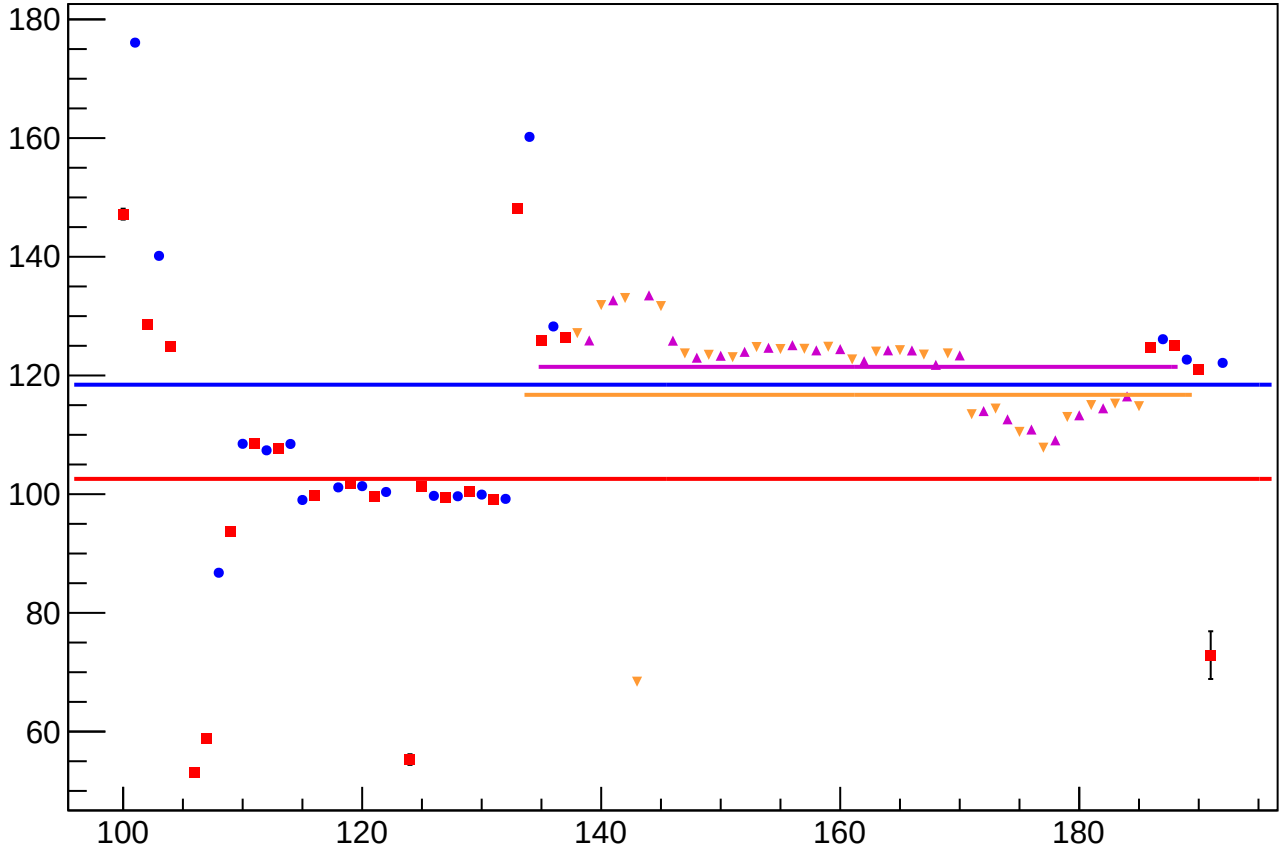
Right: -72.881+/-0.845 χ^2/NDF: 1327.9/41

In: -77.920+/-0.682 χ^2/NDF:975.5/41

Out: -72.162+/-0.639 χ^2/NDF:1621.2/47

All: -74.857+/-0.466 χ^2/NDF: 2634.7/89

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: 102.577+/-0.066 χ^2/NDF: 181361.3/22

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

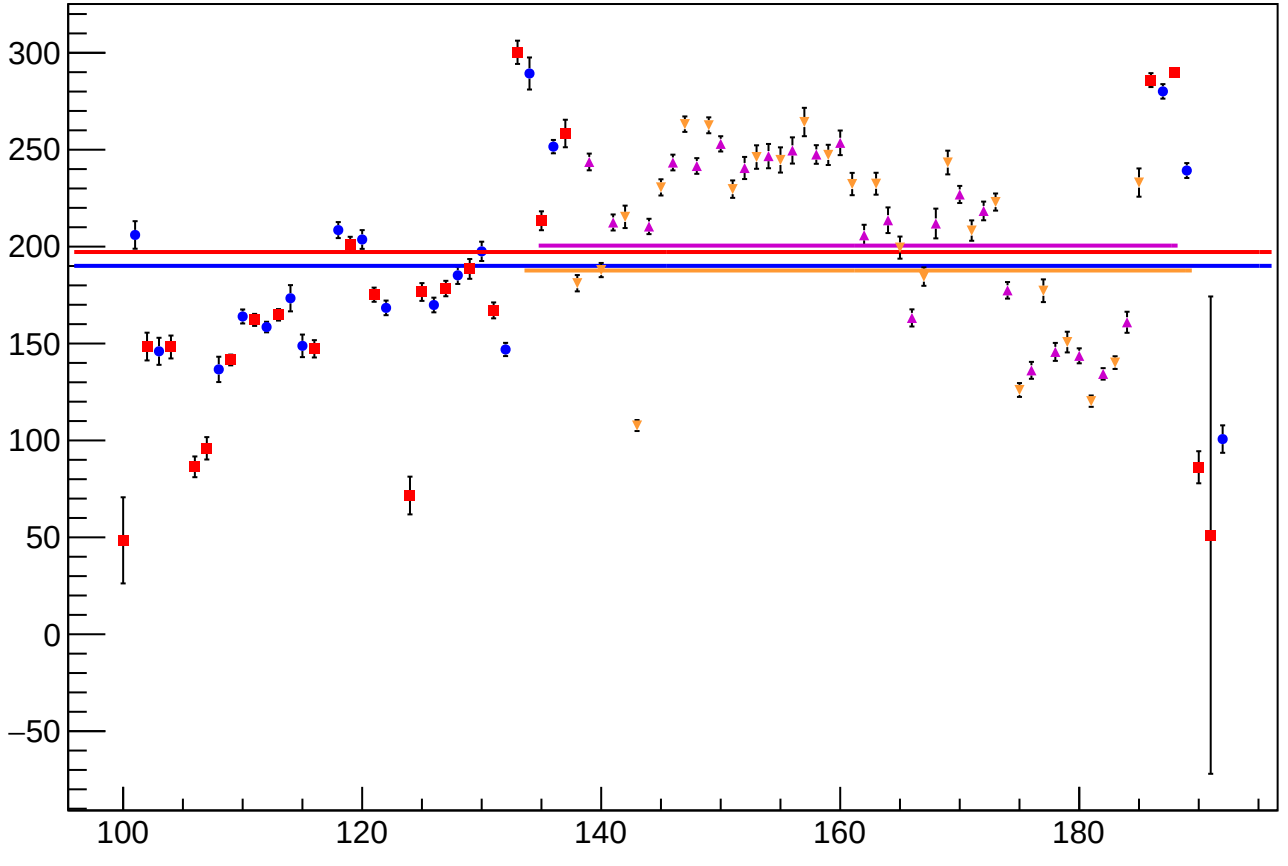
Right: 109.800+/-0.049 χ^2/NDF: 303823.8/41

In: 120.822+/-0.033 χ^2/NDF:126282.3/41

Out: 113.515+/-0.031 χ^2/NDF:420624.5/47

All: 116.983+/-0.023 χ^2/NDF: 572485.9/89

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: 197.216+/-0.875 χ^2/NDF: 5333.7/22

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

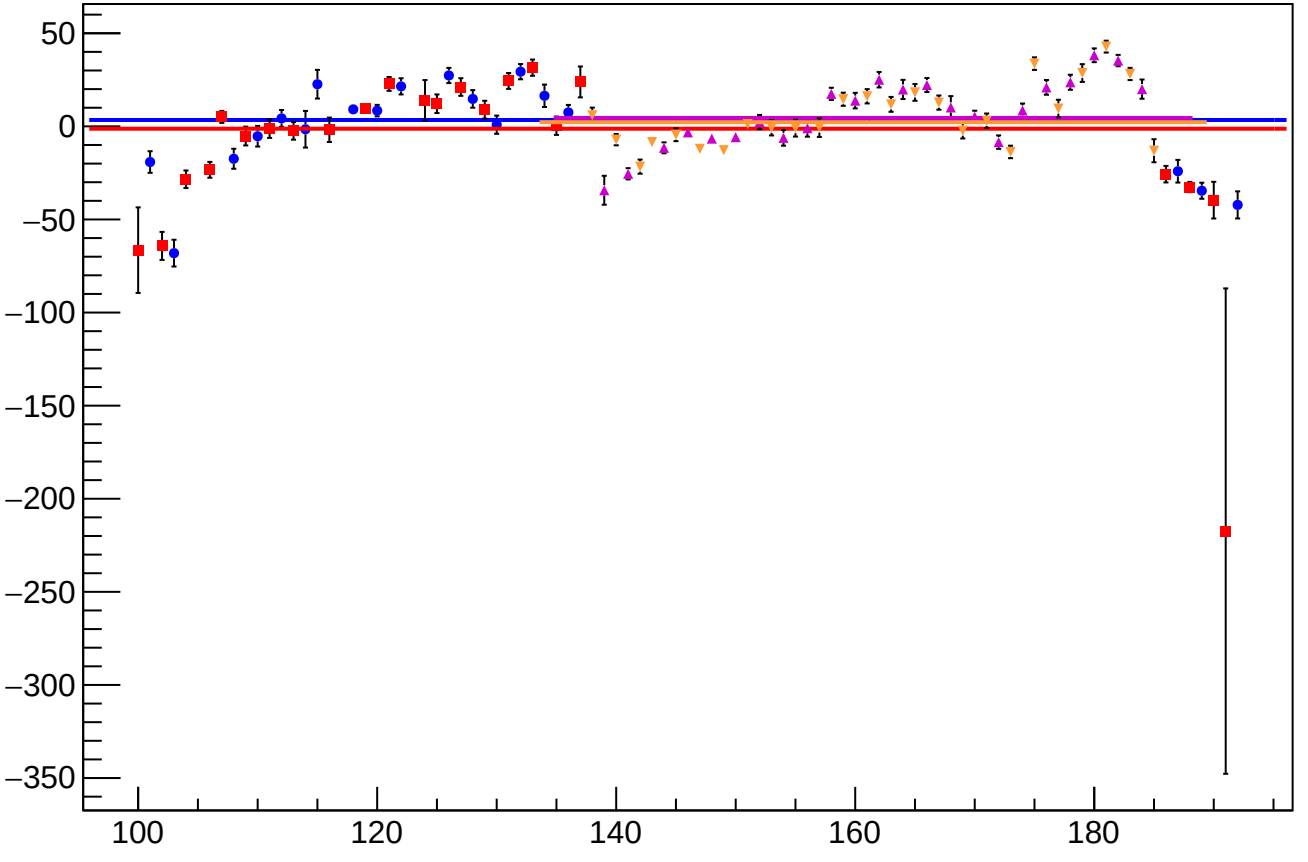
Right: 194.119+/-0.658 χ^2/NDF: 7330.4/41

In: 195.535+/-0.691 χ^2/NDF:4136.3/41

Out: 192.573+/-0.626 χ^2/NDF:8919.9/47

All: 193.910+/-0.464 χ^2/NDF: 13066.3/89

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: -1.262+/-0.963 χ^2/NDF: 517.7/22

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

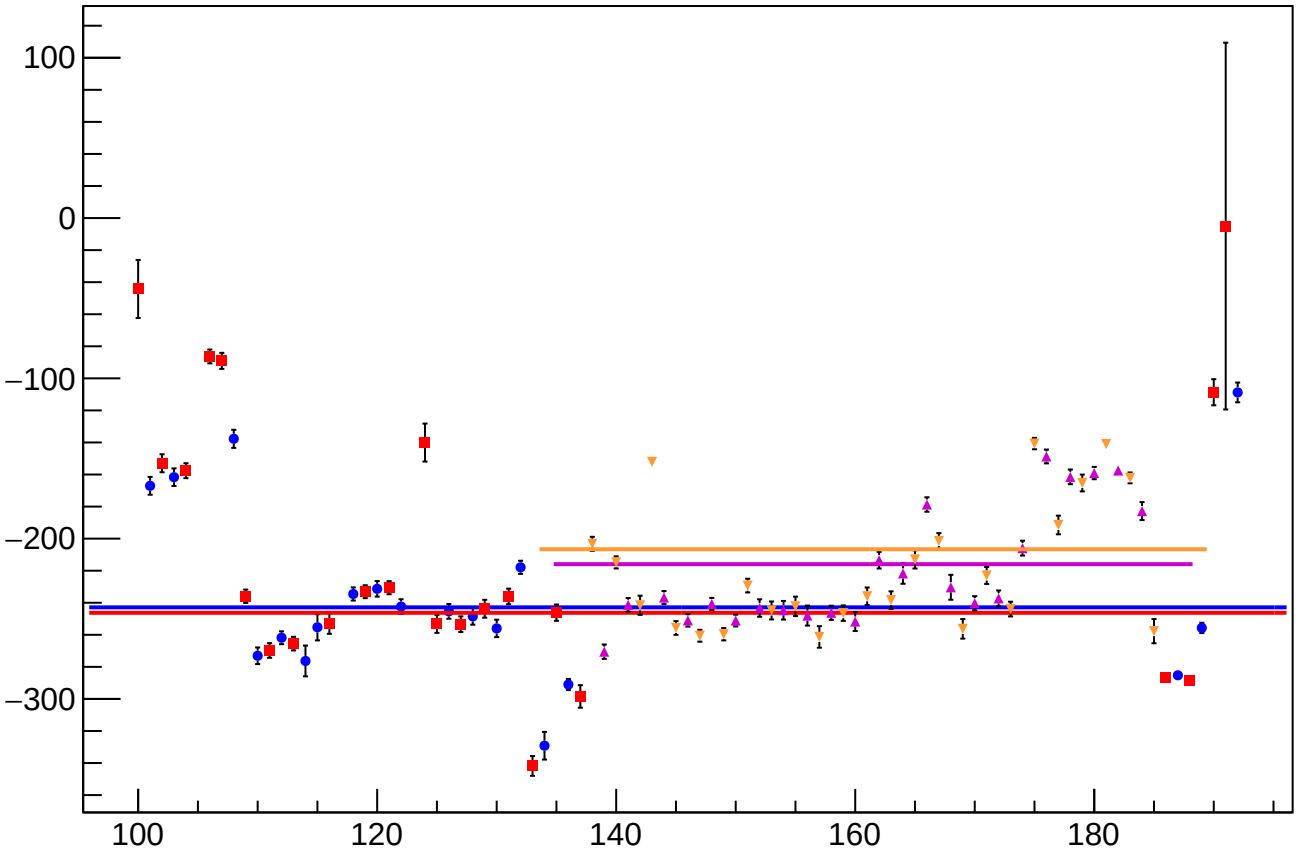
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: 0.879+/-0.710 χ^2/NDF: 915.1/41

In: 4.169+/-0.591 χ^2/NDF:934.5/41

Out: 1.113+/-0.547 χ^2/NDF:1127.5/47

All: 2.524+/-0.401 χ^2/NDF: 2076.4/89



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: -246.264+/-0.892 χ^2/NDF: 4787.6/22

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

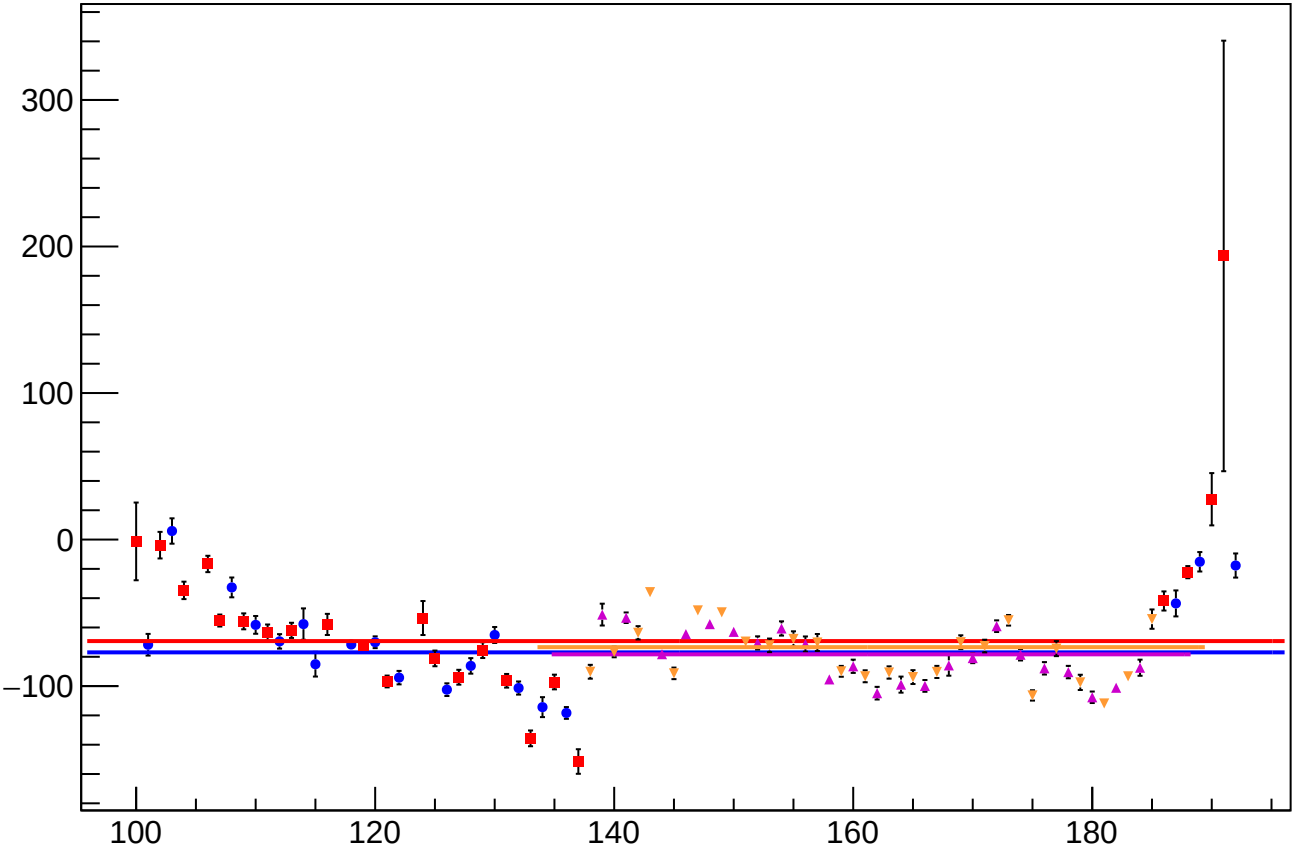
Right: -244.872+/-0.685 χ^2/NDF: 6642.6/41

In: -227.763+/-0.709 χ^2/NDF:3916.7/41

Out: -226.497+/-0.632 χ^2/NDF:8240.0/47

All: -227.058+/-0.472 χ^2/NDF: 12158.5/89

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -69.281+/-1.158 χ^2/NDF: 775.8/22

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

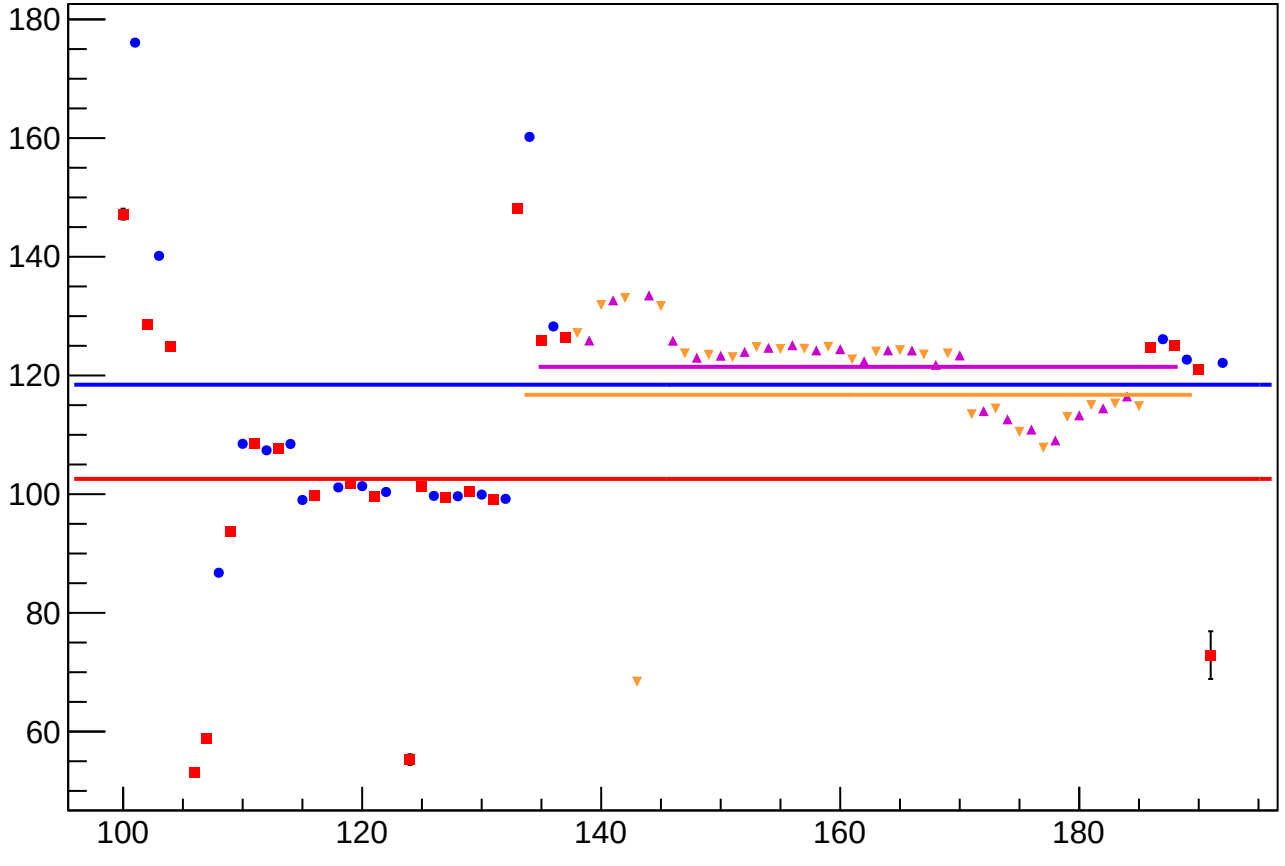
Right: -72.881+/-0.845 χ^2/NDF: 1327.9/41

In: -77.920+/-0.682 χ^2/NDF:975.5/41

Out: -72.162+/-0.639 χ^2/NDF:1621.2/47

All: -74.857+/-0.466 χ^2/NDF: 2634.7/89

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: 102.577+/-0.066 χ^2/NDF: 181361.3/22

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

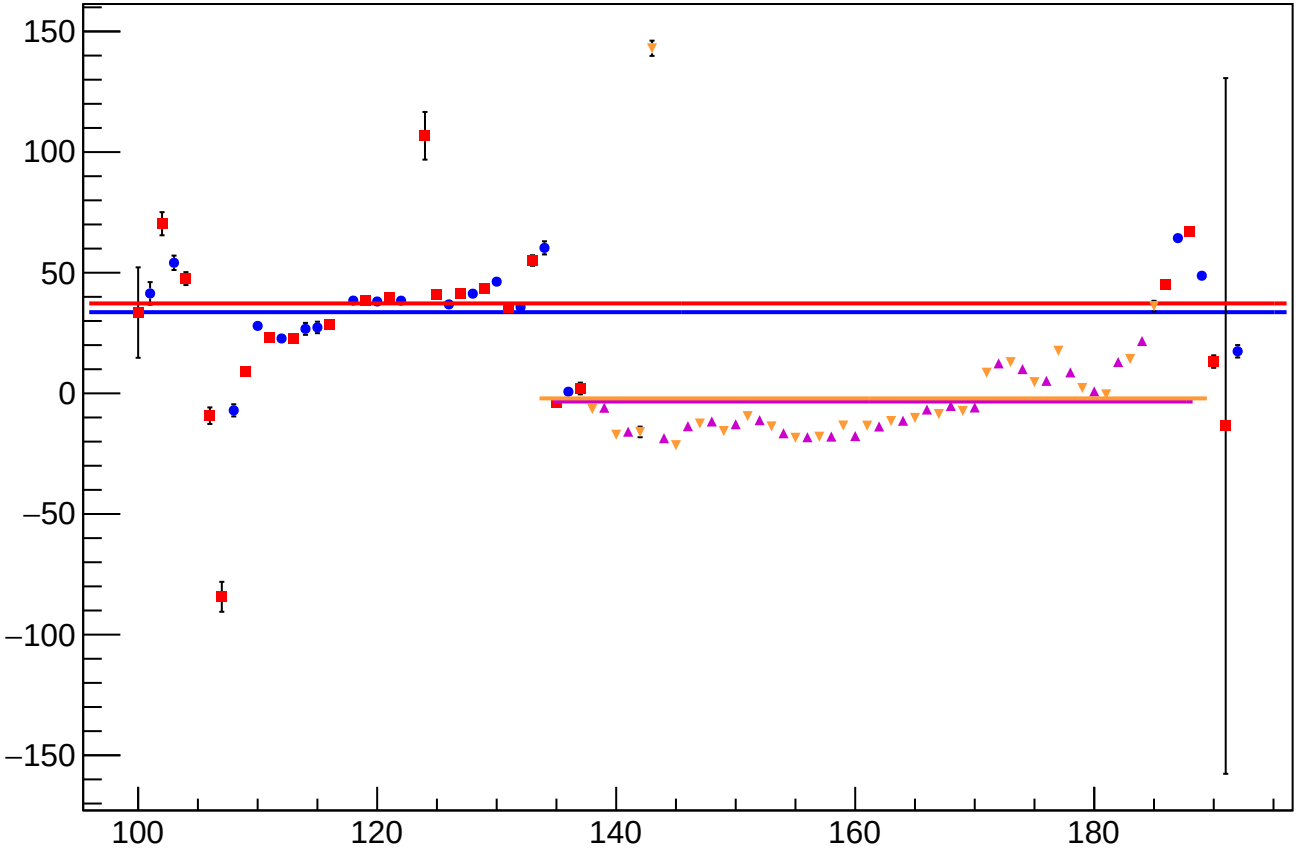
Right: 109.800+/-0.049 χ^2/NDF: 303823.8/41

In: 120.822+/-0.033 χ^2/NDF:126282.3/41

Out: 113.515+/-0.031 χ^2/NDF:420624.5/47

All: 116.983+/-0.023 χ^2/NDF: 572485.9/89

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: 37.276+/-0.328 χ^2/NDF: 4380.7/22

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

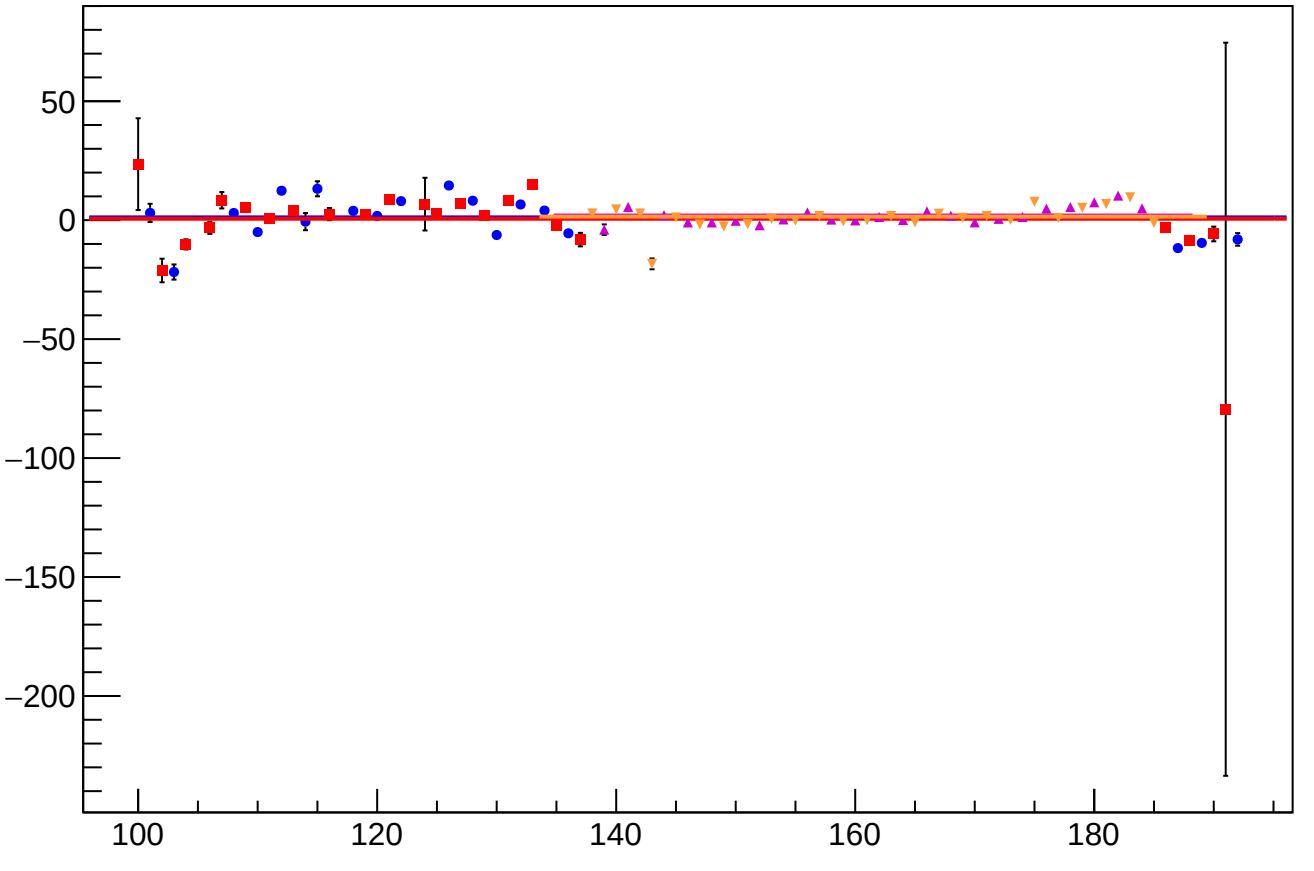
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 35.733+/-0.249 χ^2/NDF: 6624.4/41

In: 9.036+/-0.221 χ^2/NDF:10198.6/41

Out: 13.559+/-0.207 χ^2/NDF:17239.3/47

All: 11.446+/-0.151 χ^2/NDF: 27660.8/89



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: 0.600+/-0.381 χ^2/NDF: 319.2/22

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

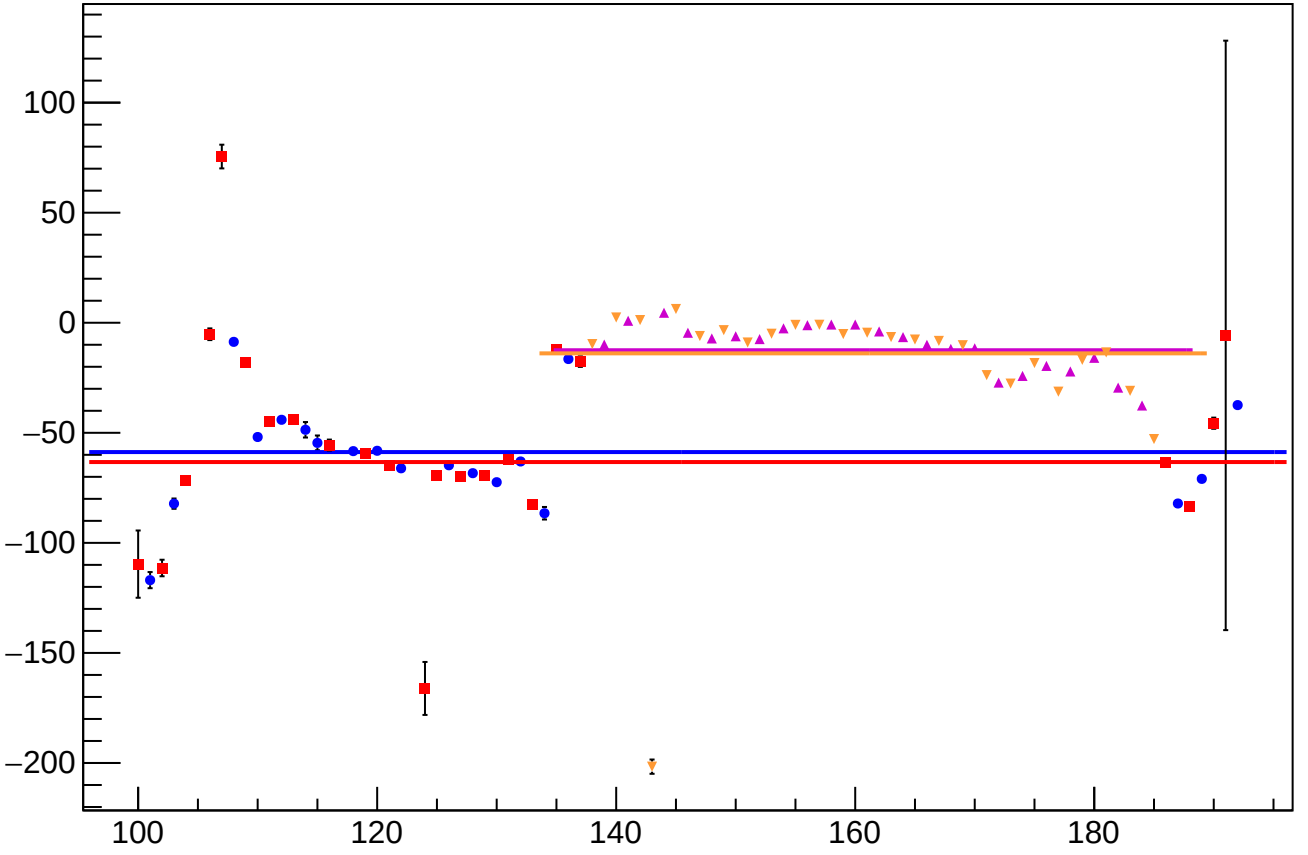
Right: 0.859+/-0.280 χ^2/NDF: 686.4/41

In: 1.772+/-0.187 χ^2/NDF:609.7/41

Out: 1.290+/-0.180 χ^2/NDF:651.9/47

All: 1.522+/-0.130 χ^2/NDF: 1265.1/89

reg_asym_atl1r2_dd_atl2r1_dd_avg_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: -63.285+/-0.327 χ^2/NDF: 4972.3/22

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

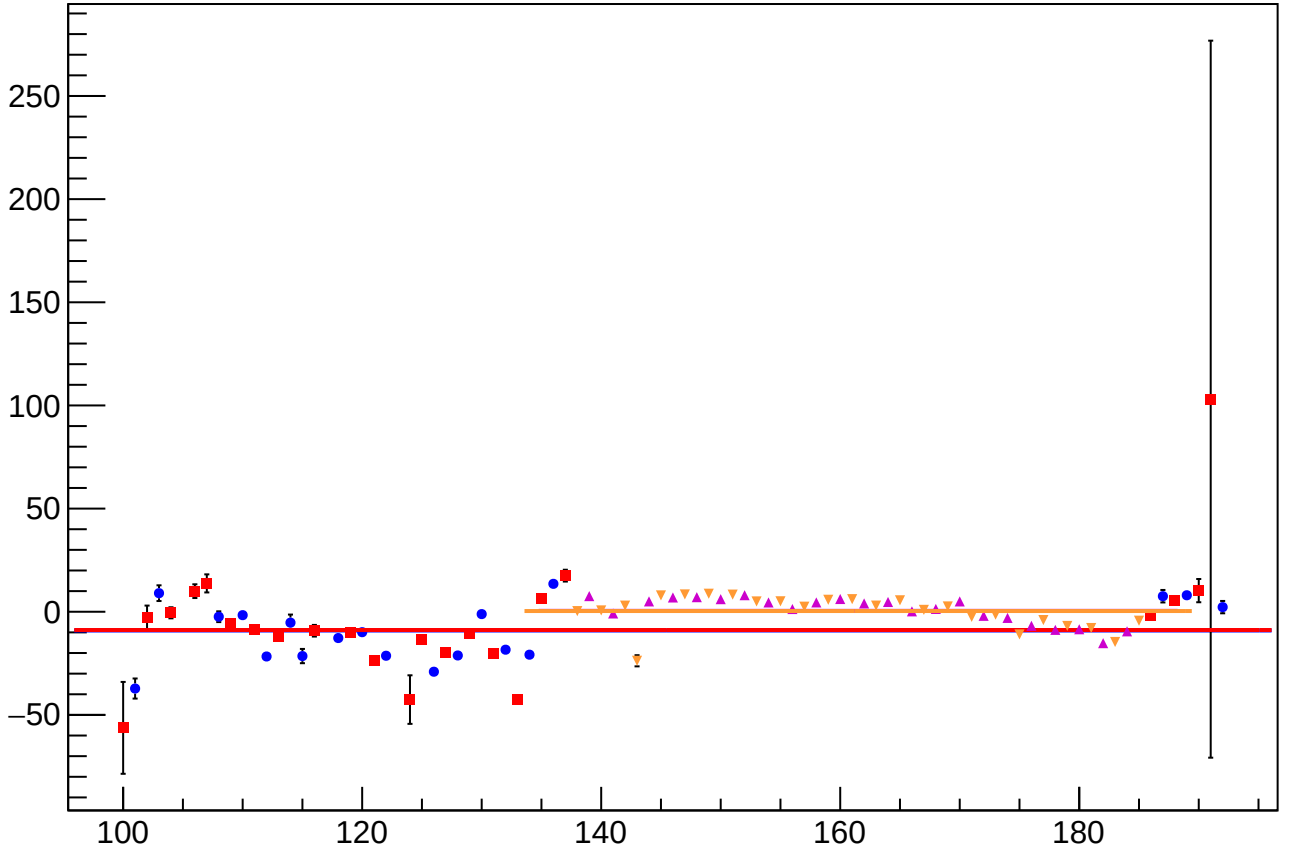
Right: -61.499+/-0.254 χ^2/NDF: 8246.0/41

In: -26.616+/-0.224 χ^2/NDF:13676.1/41

Out: -33.477+/-0.206 χ^2/NDF:23890.6/47

All: -30.338+/-0.151 χ^2/NDF: 38075.7/89

reg_asym_atl1r2_dd_atl2r1_dd_avg_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: -8.856+/-0.463 χ^2/NDF: 811.0/22

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

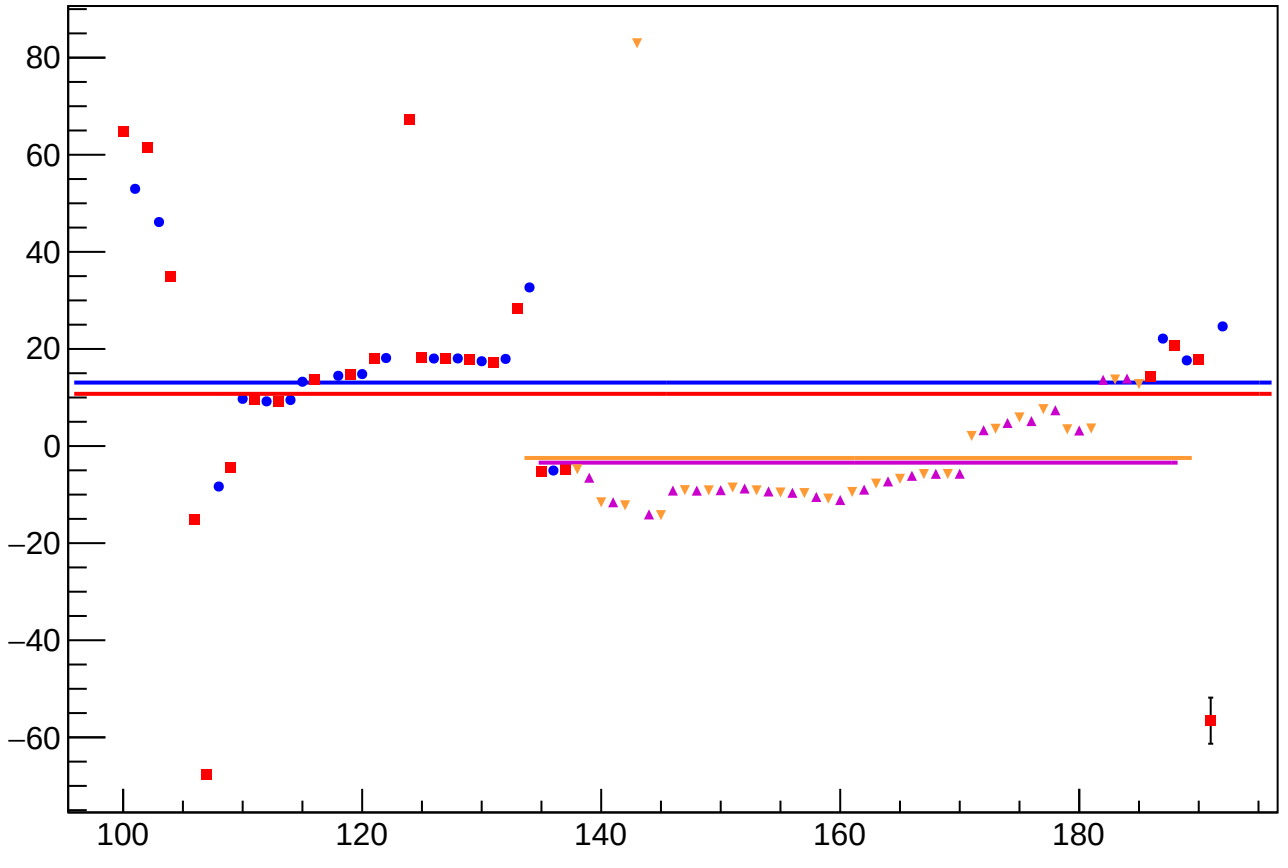
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -8.962+/-0.334 χ^2/NDF: 1586.2/41

In: -1.420+/-0.212 χ^2/NDF:1871.8/41

Out: -1.491+/-0.207 χ^2/NDF:2048.5/47

All: -1.456+/-0.148 χ^2/NDF: 3920.3/89



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: 10.755+/-0.028 χ^2/NDF: 458894.9/22

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

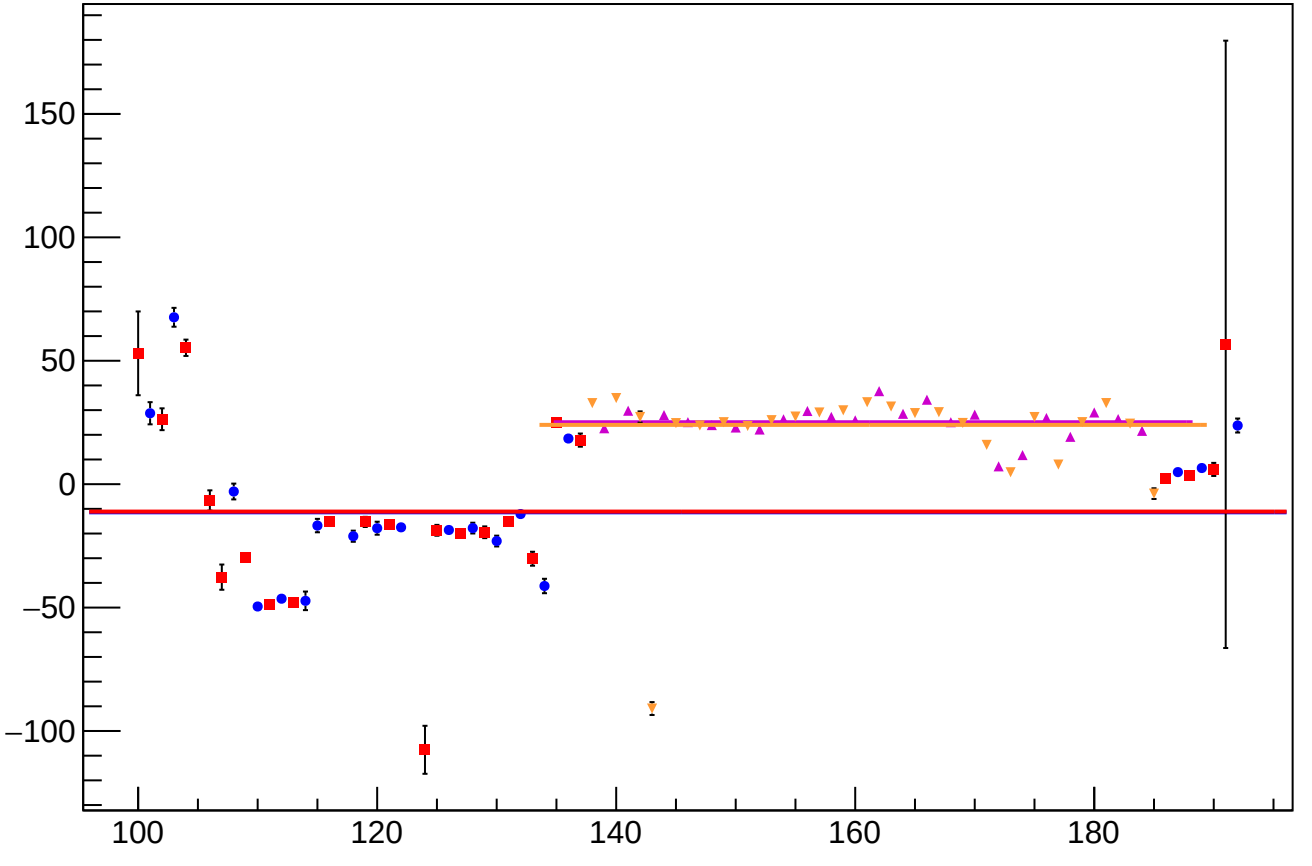
Right: 11.945+/-0.019 χ^2/NDF: 835059.9/41

In: -1.301+/-0.010 χ^2/NDF:1239828.7/41

Out: -0.853+/-0.010 χ^2/NDF:1617728.8/47

All: -1.076+/-0.007 χ^2/NDF: 2858615.4/89

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: -11.105+/-0.437 χ^2/NDF: 2635.3/22

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

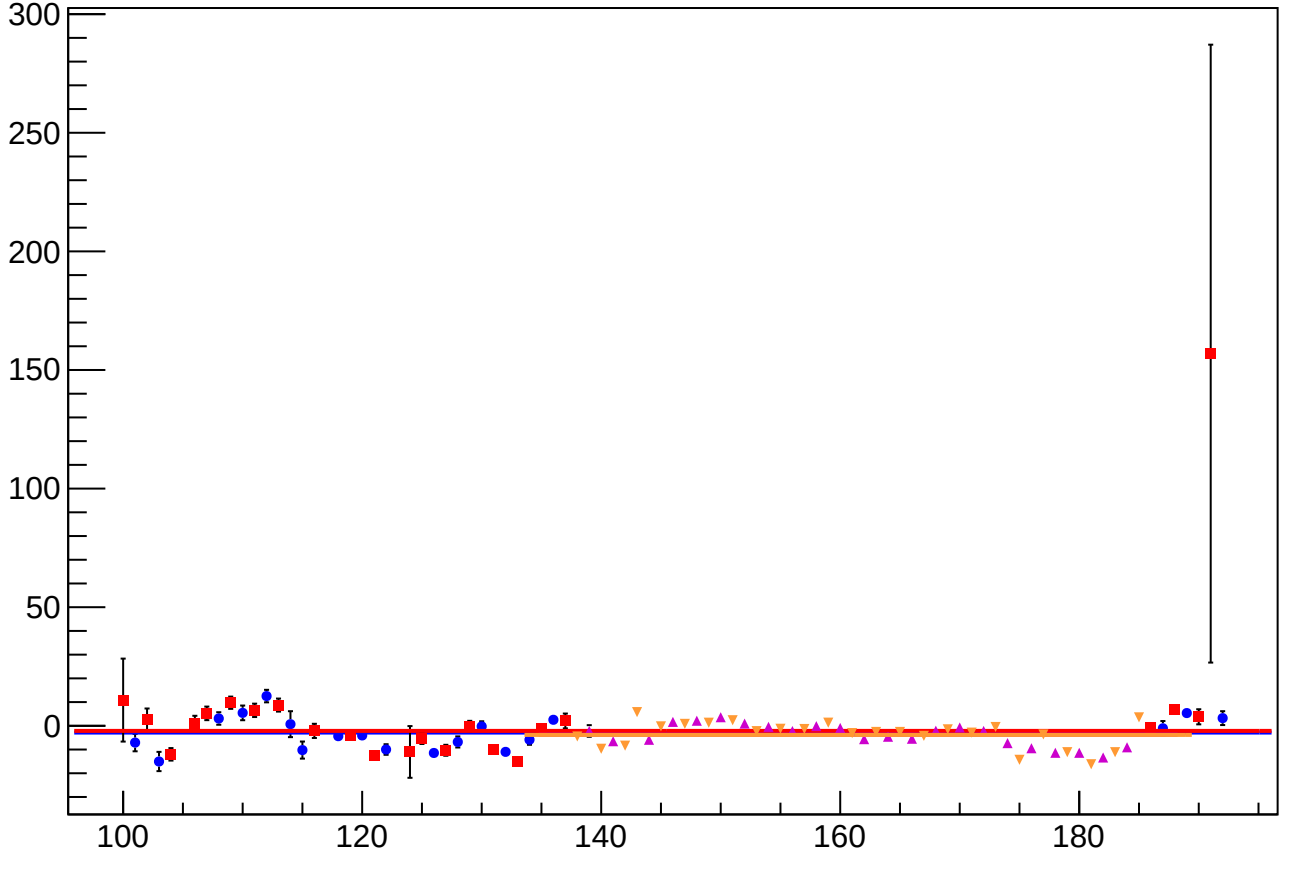
Right: -11.238+/-0.327 χ^2/NDF: 5132.2/41

In: 15.829+/-0.248 χ^2/NDF:7088.8/41

Out: 13.698+/-0.237 χ^2/NDF:9999.2/47

All: 14.714+/-0.171 χ^2/NDF: 17126.6/89

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: -2.142+/-0.493 χ^2/NDF: 212.5/22

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

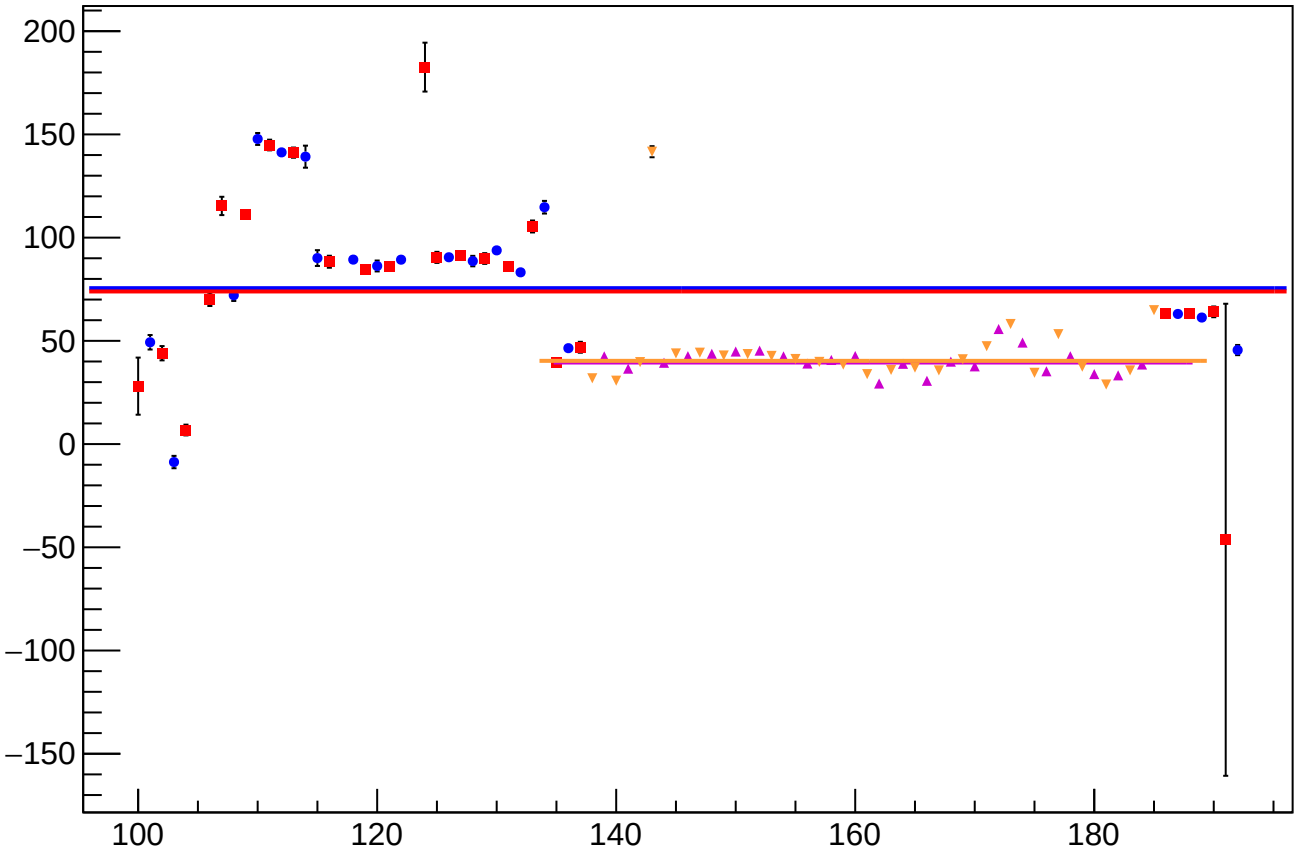
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -2.477+/-0.357 χ^2/NDF: 359.5/41

In: -3.633+/-0.205 χ^2/NDF:658.6/41

Out: -3.567+/-0.199 χ^2/NDF:871.8/47

All: -3.599+/-0.143 χ^2/NDF: 1530.5/89



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: 73.925+/-0.441 χ^2/NDF: 3762.5/22

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

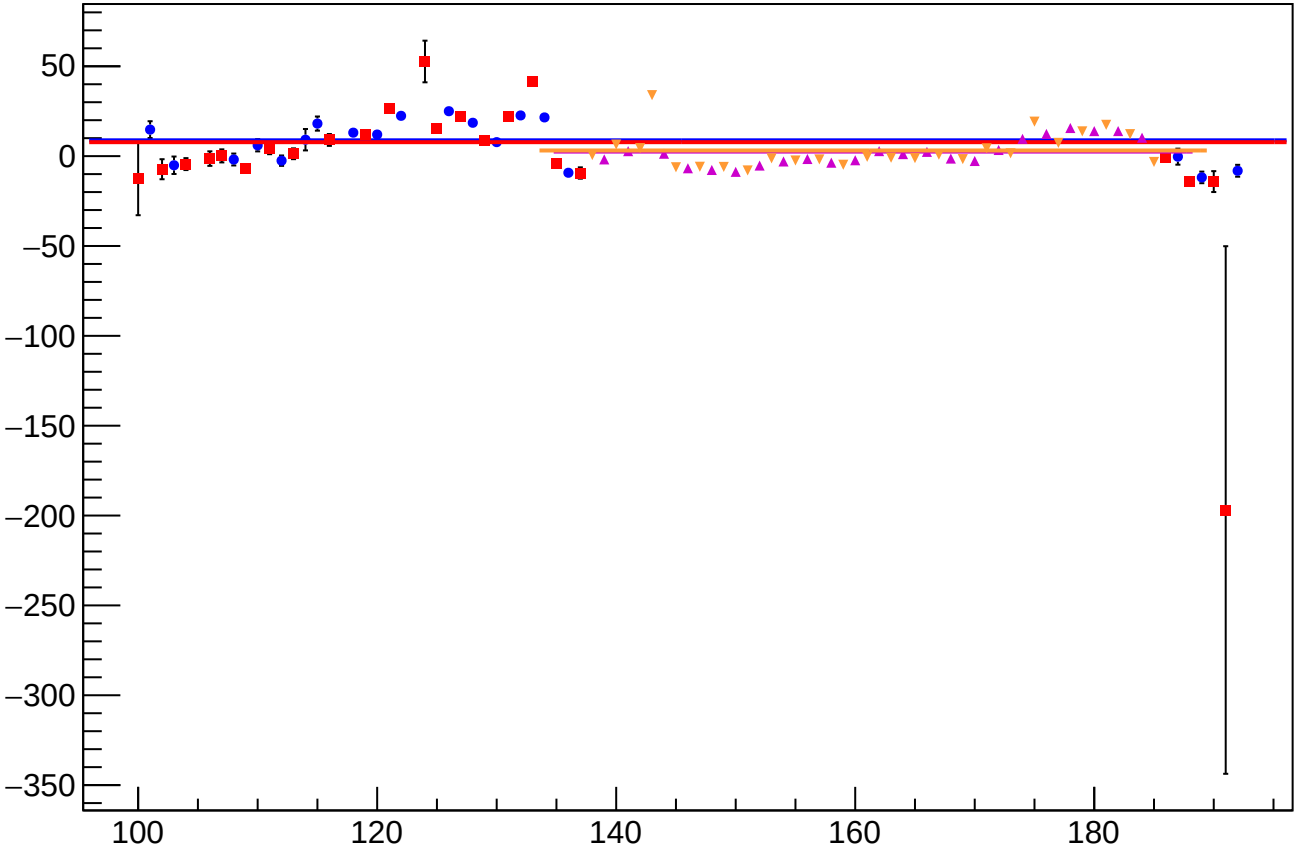
Right: 74.589+/-0.337 χ^2/NDF: 7373.9/41

In: 47.757+/-0.250 χ^2/NDF:7704.7/41

Out: 49.978+/-0.236 χ^2/NDF:10083.0/47

All: 48.929+/-0.172 χ^2/NDF: 17829.4/89

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 7.768+/-0.591 χ^2/NDF: 615.8/22

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

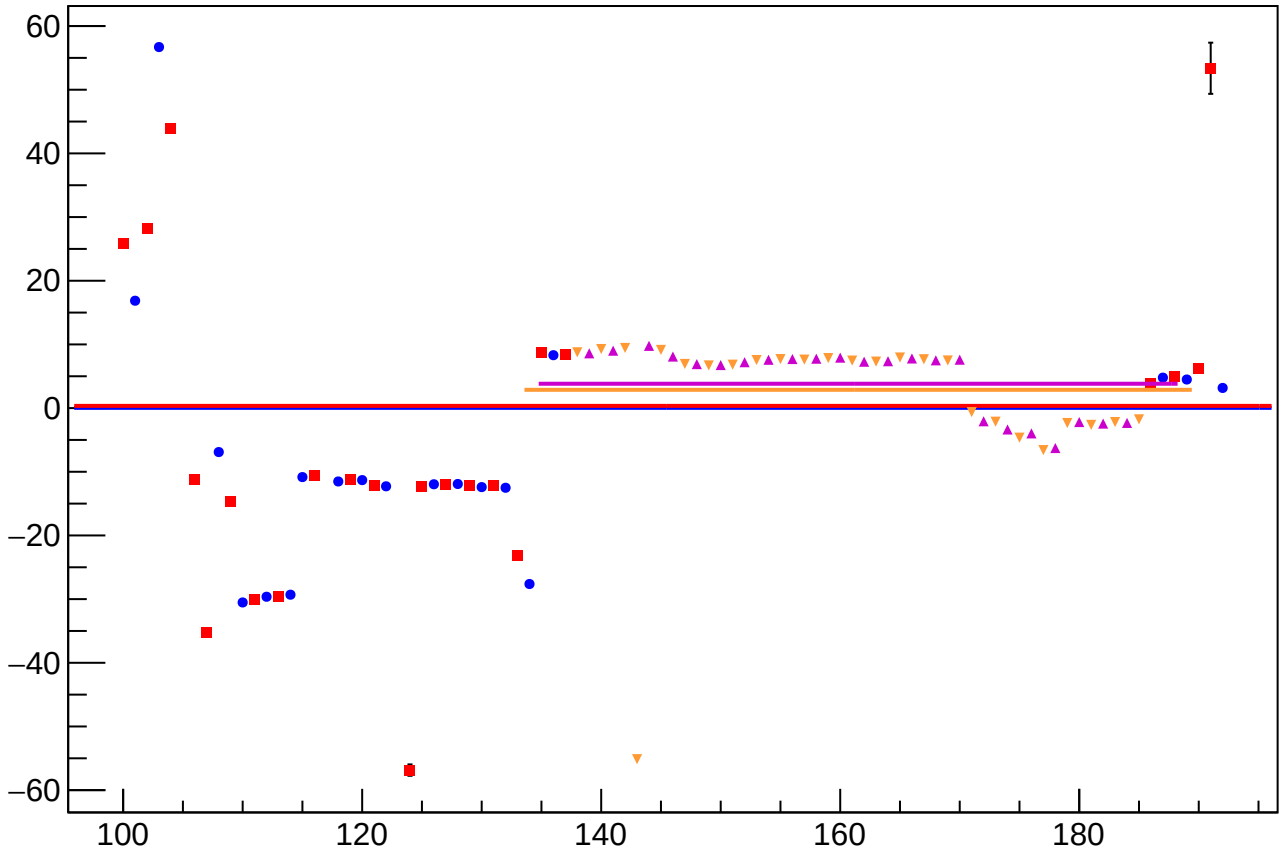
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 8.276+/-0.421 χ^2/NDF: 1054.8/41

In: 3.457+/-0.232 χ^2/NDF:1499.1/41

Out: 3.823+/-0.227 χ^2/NDF:1935.2/47

All: 3.644+/-0.162 χ^2/NDF: 3435.5/89



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: 0.348+/-0.034 χ^2/NDF: 320553.3/22

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

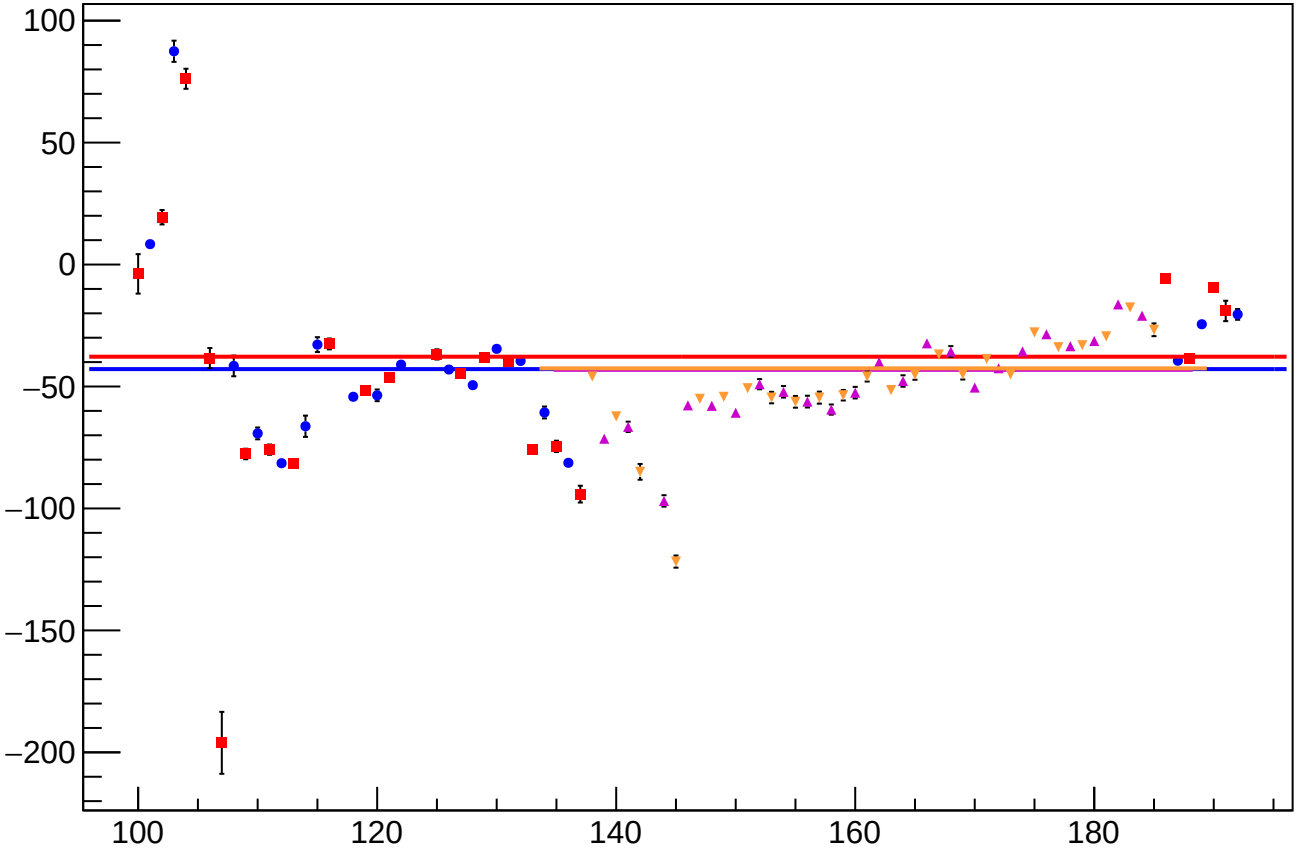
Right: 0.189+/-0.024 χ^2/NDF: 691431.7/41

In: 3.432+/-0.011 χ^2/NDF:616124.6/41

Out: 2.630+/-0.010 χ^2/NDF:837892.1/47

All: 3.029+/-0.007 χ^2/NDF: 1456943.0/89

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: -37.784+/-0.392 χ^2/NDF: 4975.7/21

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

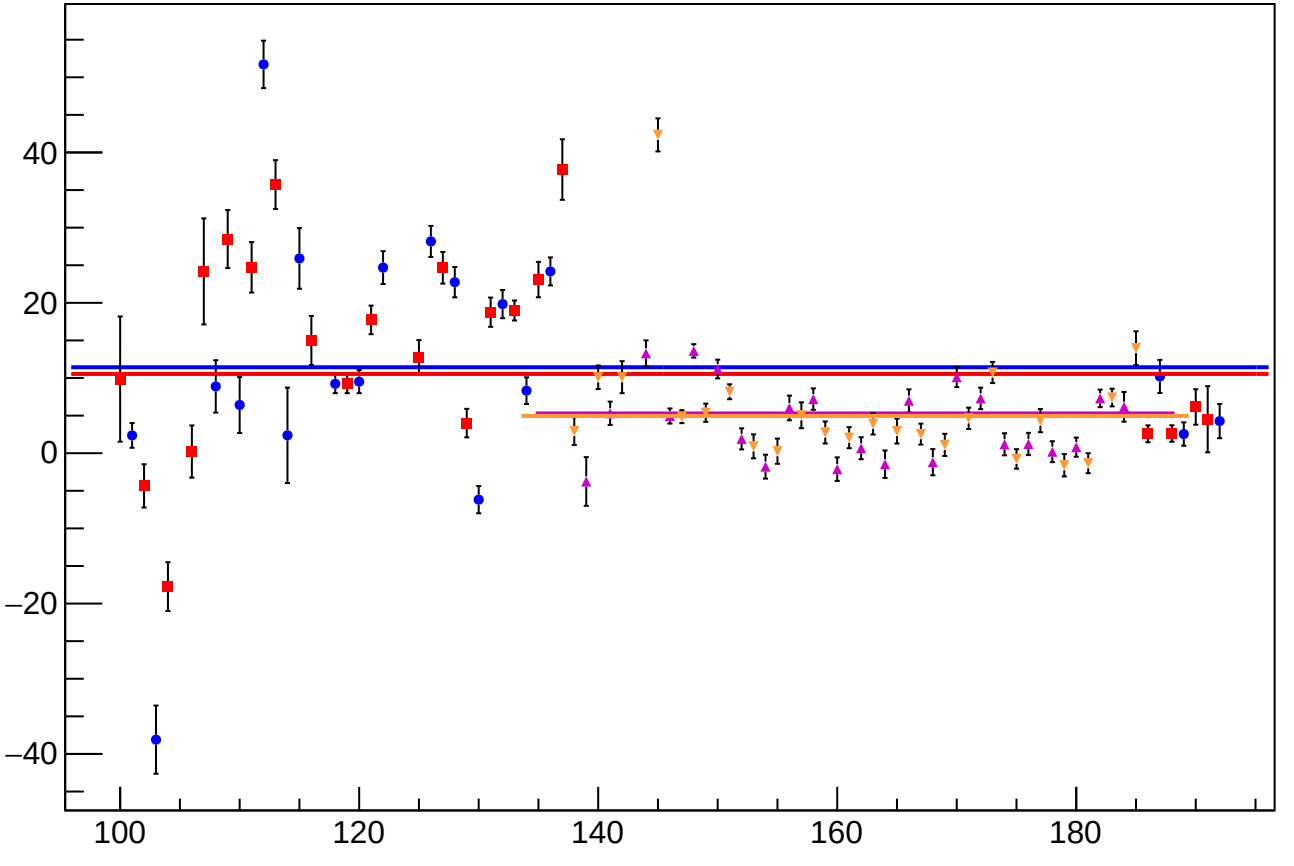
Right: -39.932+/-0.298 χ^2/NDF: 8168.6/40

In: -43.036+/-0.293 χ^2/NDF:5328.8/41

Out: -40.258+/-0.272 χ^2/NDF:7378.9/45

All: -41.544+/-0.200 χ^2/NDF: 12755.9/87

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 10.541+/-0.437 χ^2/NDF: 530.1/21

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

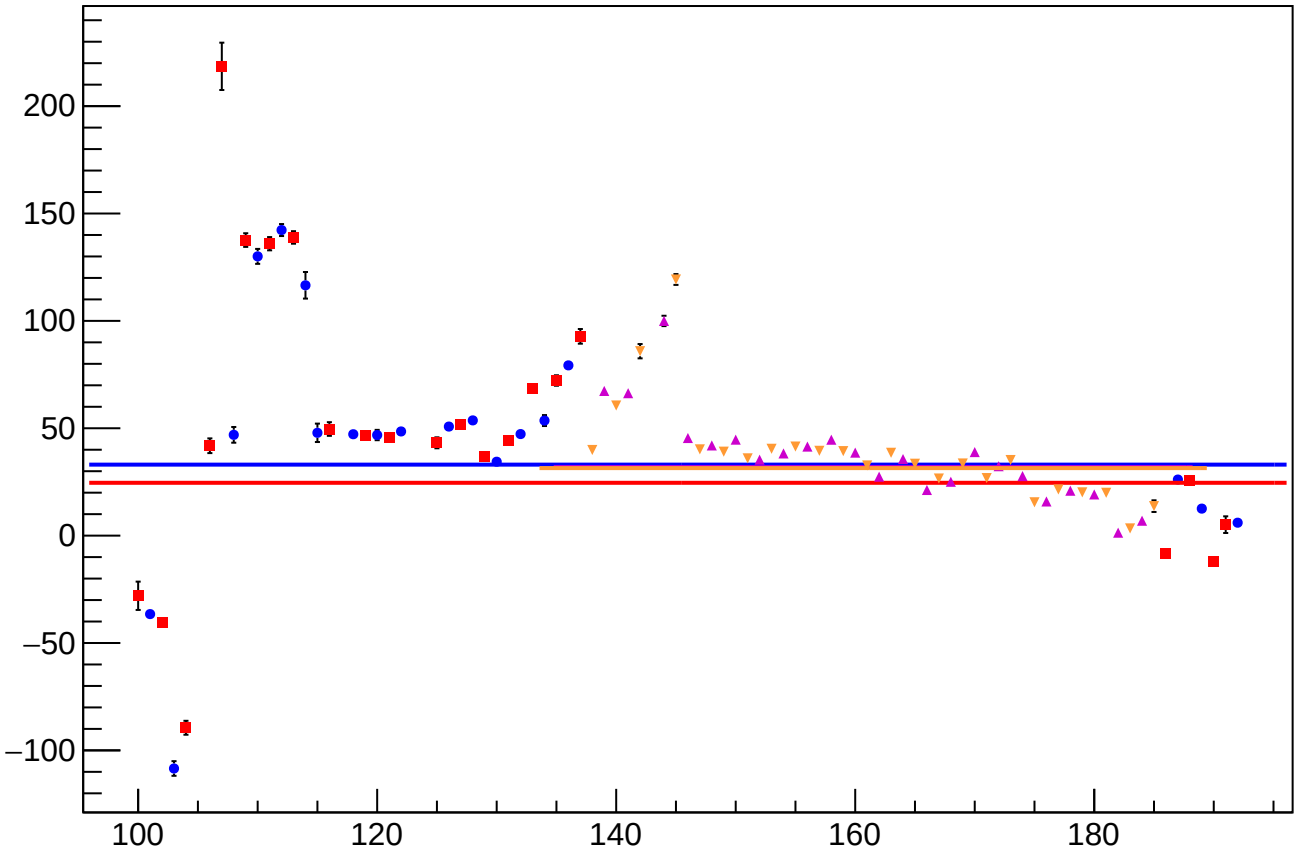
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 10.955+/-0.320 χ^2/NDF: 1207.9/40

In: 7.022+/-0.249 χ^2/NDF:1084.9/41

Out: 6.649+/-0.241 χ^2/NDF:1092.9/45

All: 6.829+/-0.173 χ^2/NDF: 2179.0/87



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: 24.601+/-0.369 χ^2/NDF: 10914.3/21

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

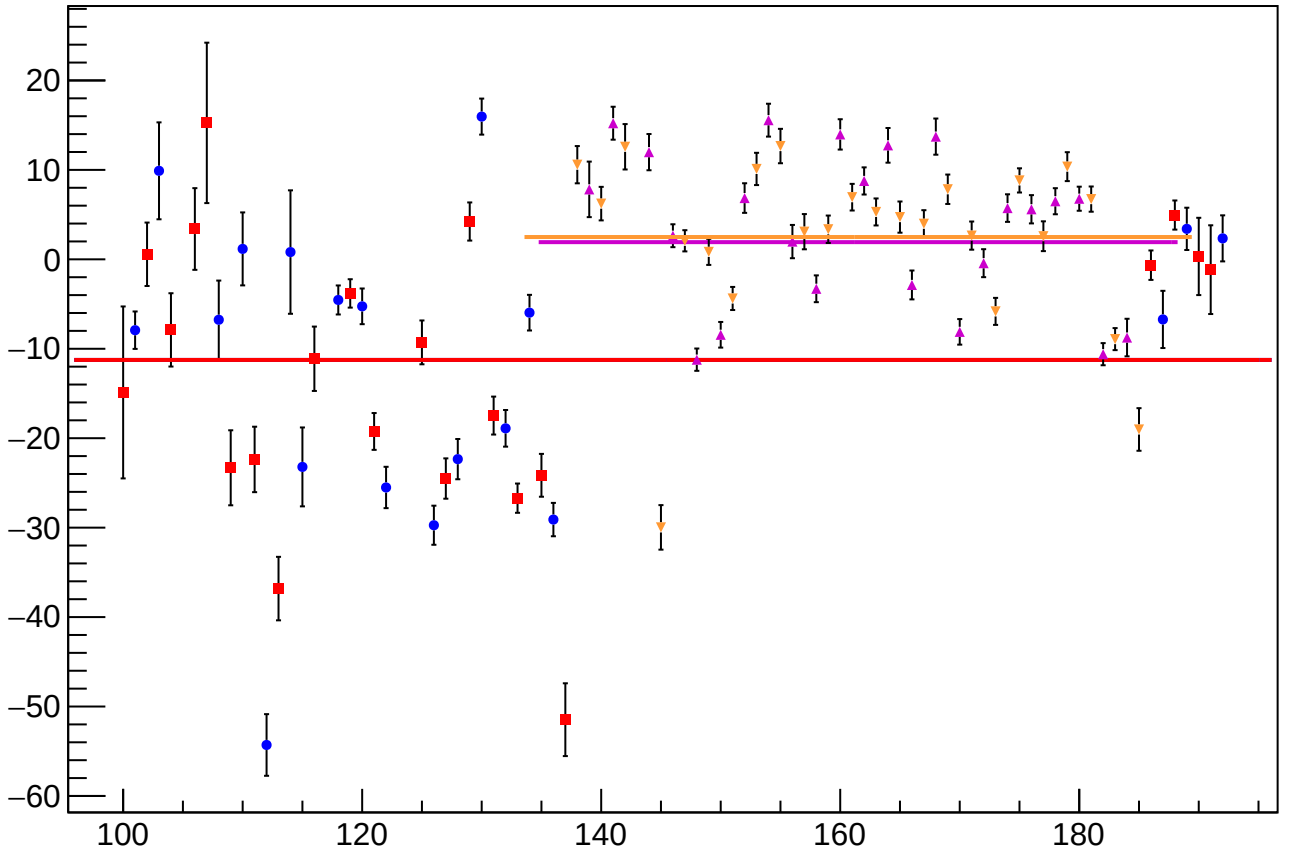
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 27.907+/-0.288 χ^2/NDF: 19080.1/40

In: 32.365+/-0.292 χ^2/NDF:10731.0/41

Out: 27.956+/-0.263 χ^2/NDF:13845.2/45

All: 29.930+/-0.195 χ^2/NDF: 24701.9/87



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: -11.249+/-0.544 χ^2/NDF: 601.4/21

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

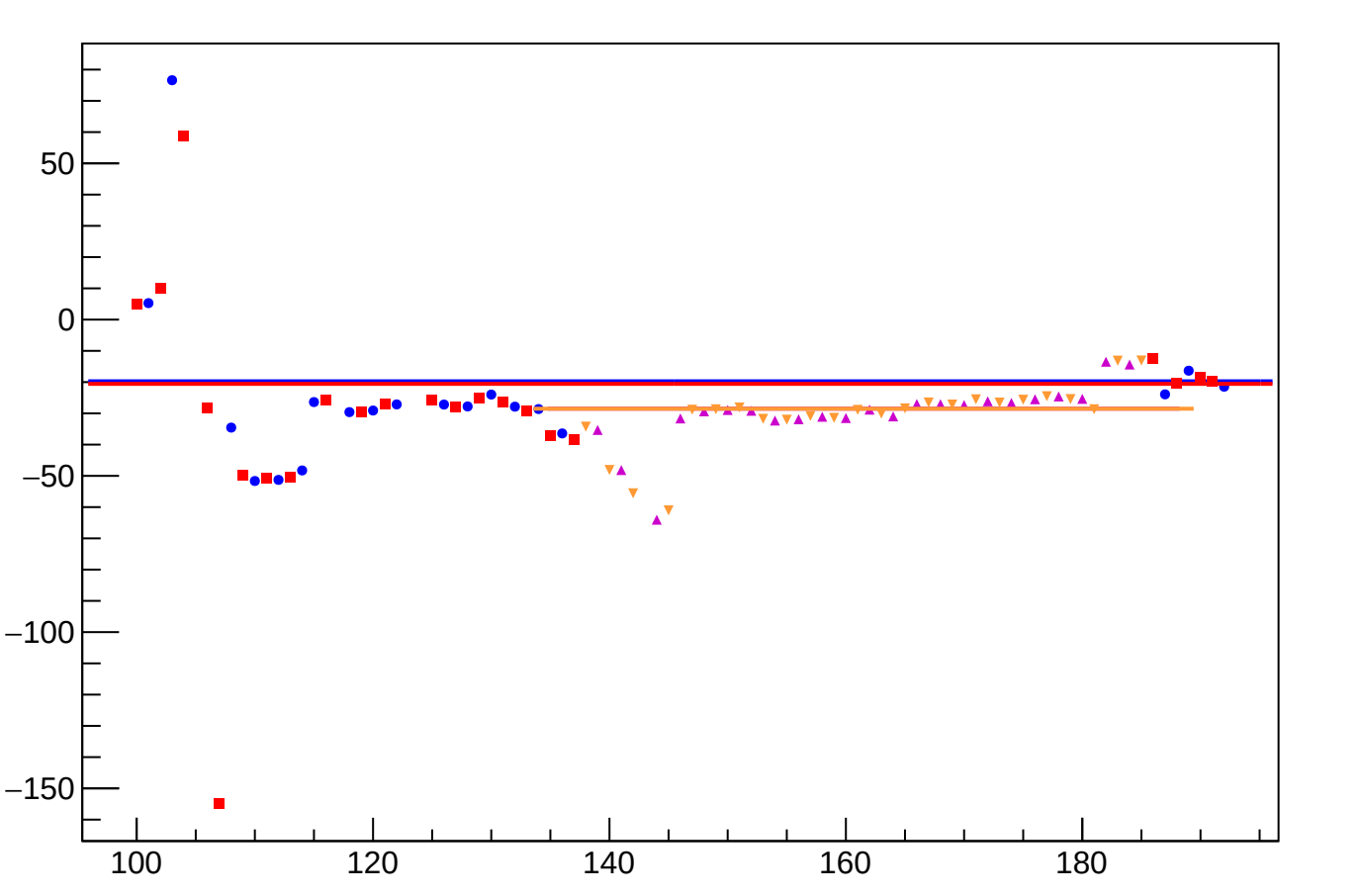
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -11.249+/-0.389 χ^2/NDF: 1319.1/40

In: -1.519+/-0.285 χ^2/NDF:1807.6/41

Out: -1.154+/-0.280 χ^2/NDF:1629.8/45

All: -1.333+/-0.200 χ^2/NDF: 3438.2/87



Right In: -19.739+/-0.031 χ^2/NDF: 649042.3/18

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -20.560+/-0.032 χ^2/NDF: 552632.9/21

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

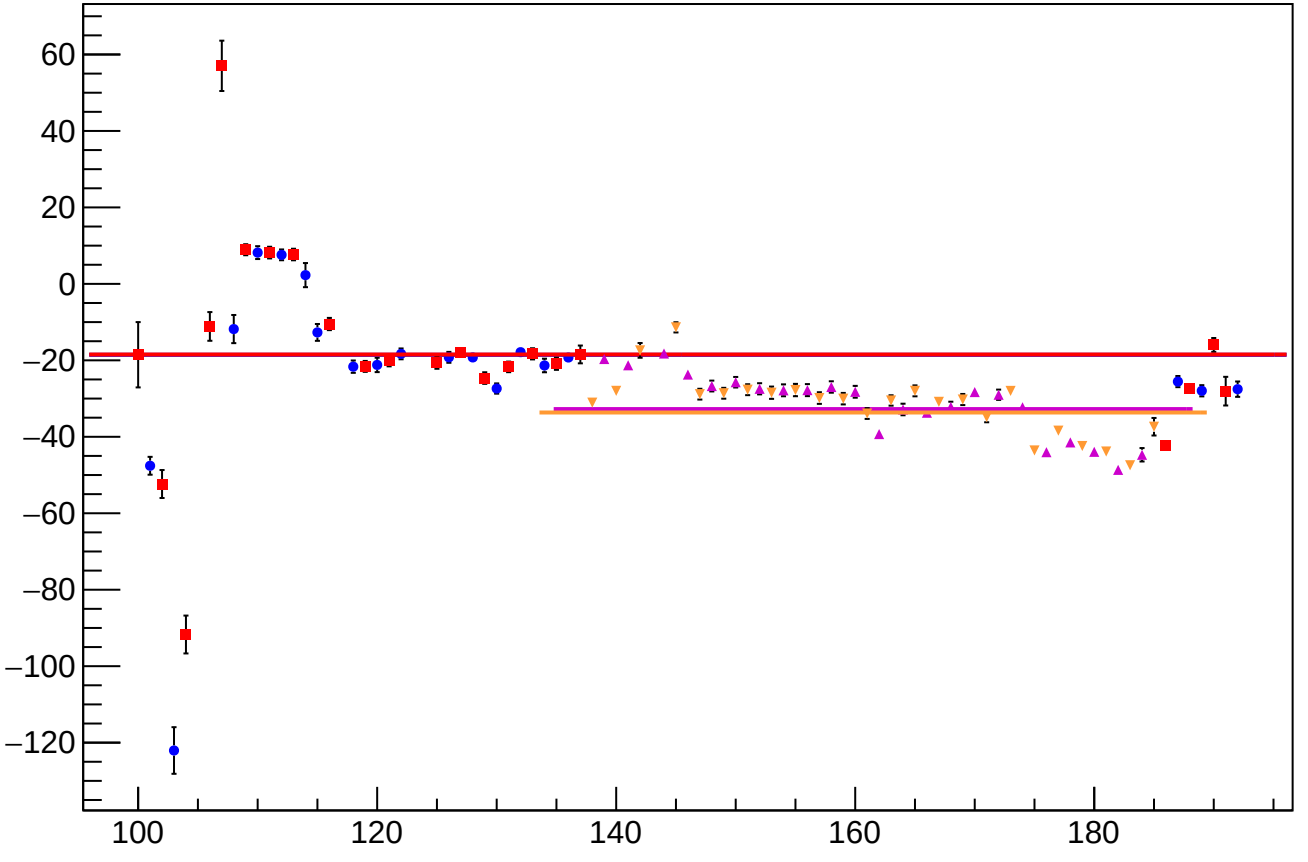
Right: -20.139+/-0.022 χ^2/NDF: 1202017.6/40

In: -26.863+/-0.013 χ^2/NDF:1001982.4/41

Out: -27.100+/-0.013 χ^2/NDF:937956.4/45

All: -26.981+/-0.009 χ^2/NDF: 1940096.4/87

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: -18.479+/-0.345 χ^2/NDF: 1939.3/21

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

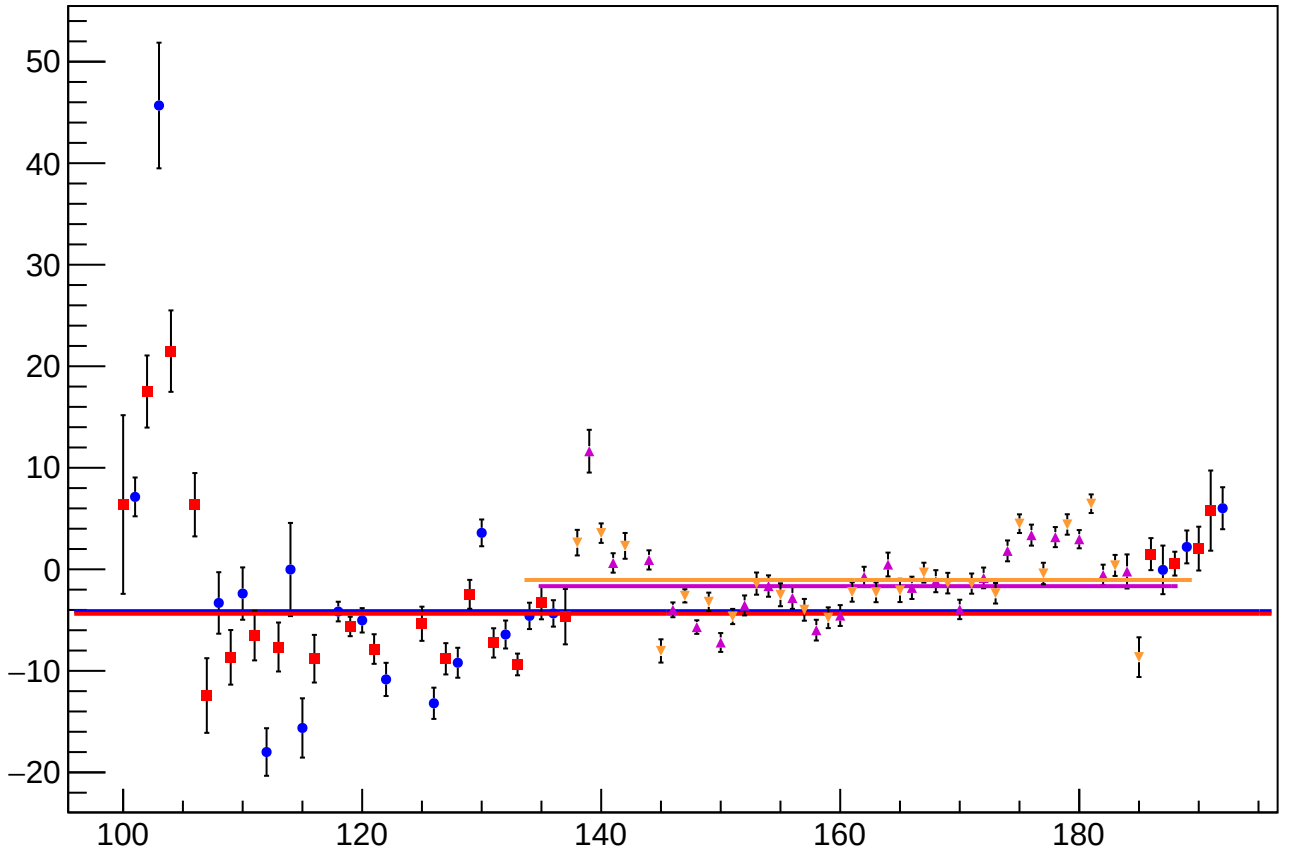
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -18.516+/-0.252 χ^2/NDF: 3167.4/40

In: -27.851+/-0.217 χ^2/NDF:3335.6/41

Out: -28.003+/-0.210 χ^2/NDF:4171.7/45

All: -27.930+/-0.151 χ^2/NDF: 7507.6/87



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: -4.376+/-0.375 χ^2/NDF: 197.5/21

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

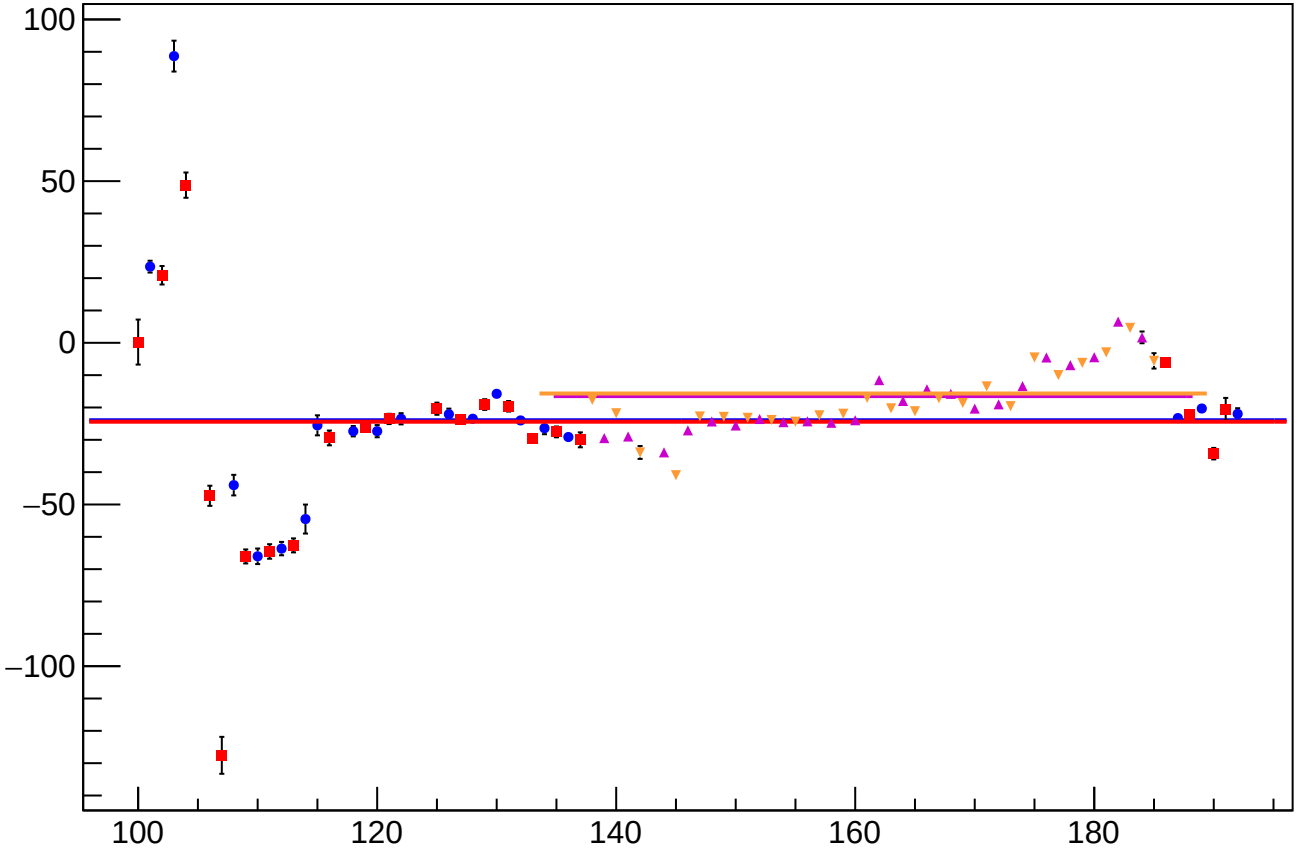
Right: -4.249+/-0.266 χ^2/NDF: 492.6/40

In: -2.225+/-0.181 χ^2/NDF:591.8/41

Out: -1.802+/-0.179 χ^2/NDF:547.7/45

All: -2.010+/-0.127 χ^2/NDF: 1142.3/87

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: -24.397+/-0.353 χ^2/NDF: 2424.2/21

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

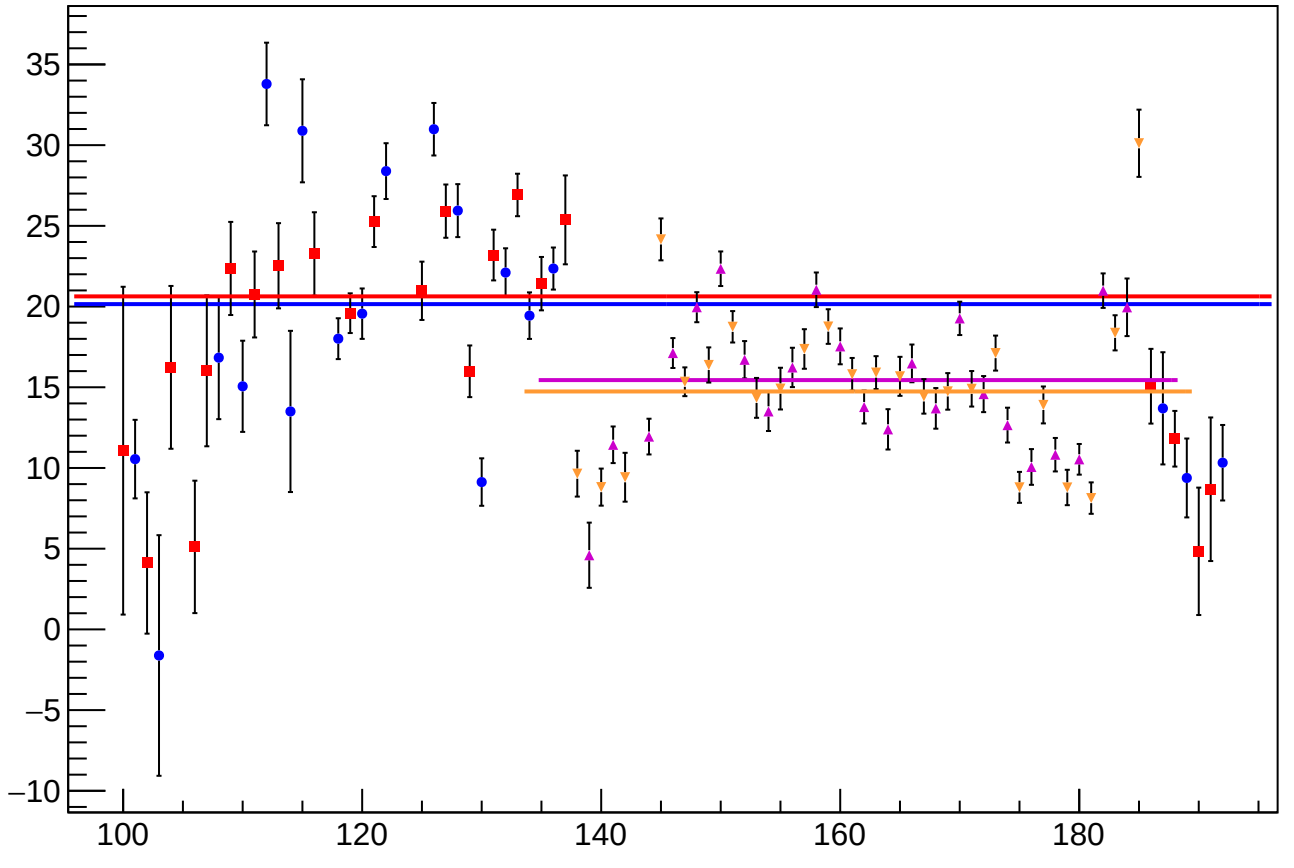
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -24.195+/-0.263 χ^2/NDF: 4488.9/40

In: -18.824+/-0.220 χ^2/NDF:4009.1/41

Out: -18.788+/-0.211 χ^2/NDF:4337.5/45

All: -18.805+/-0.152 χ^2/NDF: 8346.6/87



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: 20.631+/-0.447 χ^2/NDF: 145.0/21

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

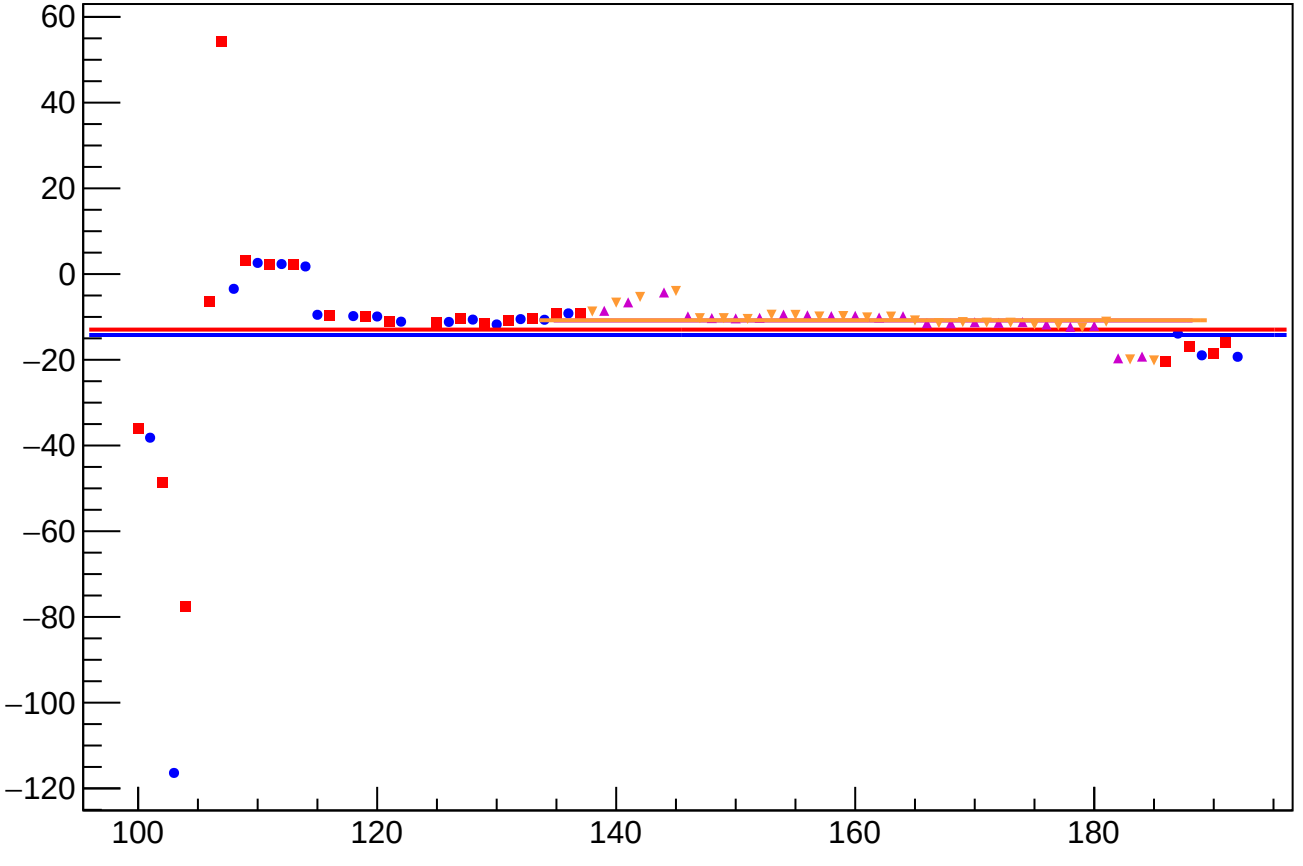
Right: 20.386+/-0.313 χ^2/NDF: 399.2/40

In: 16.481+/-0.206 χ^2/NDF:633.9/41

Out: 15.969+/-0.204 χ^2/NDF:613.4/45

All: 16.222+/-0.145 χ^2/NDF: 1250.5/87

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -12.955+/-0.027 χ^2/NDF: 322968.8/21

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

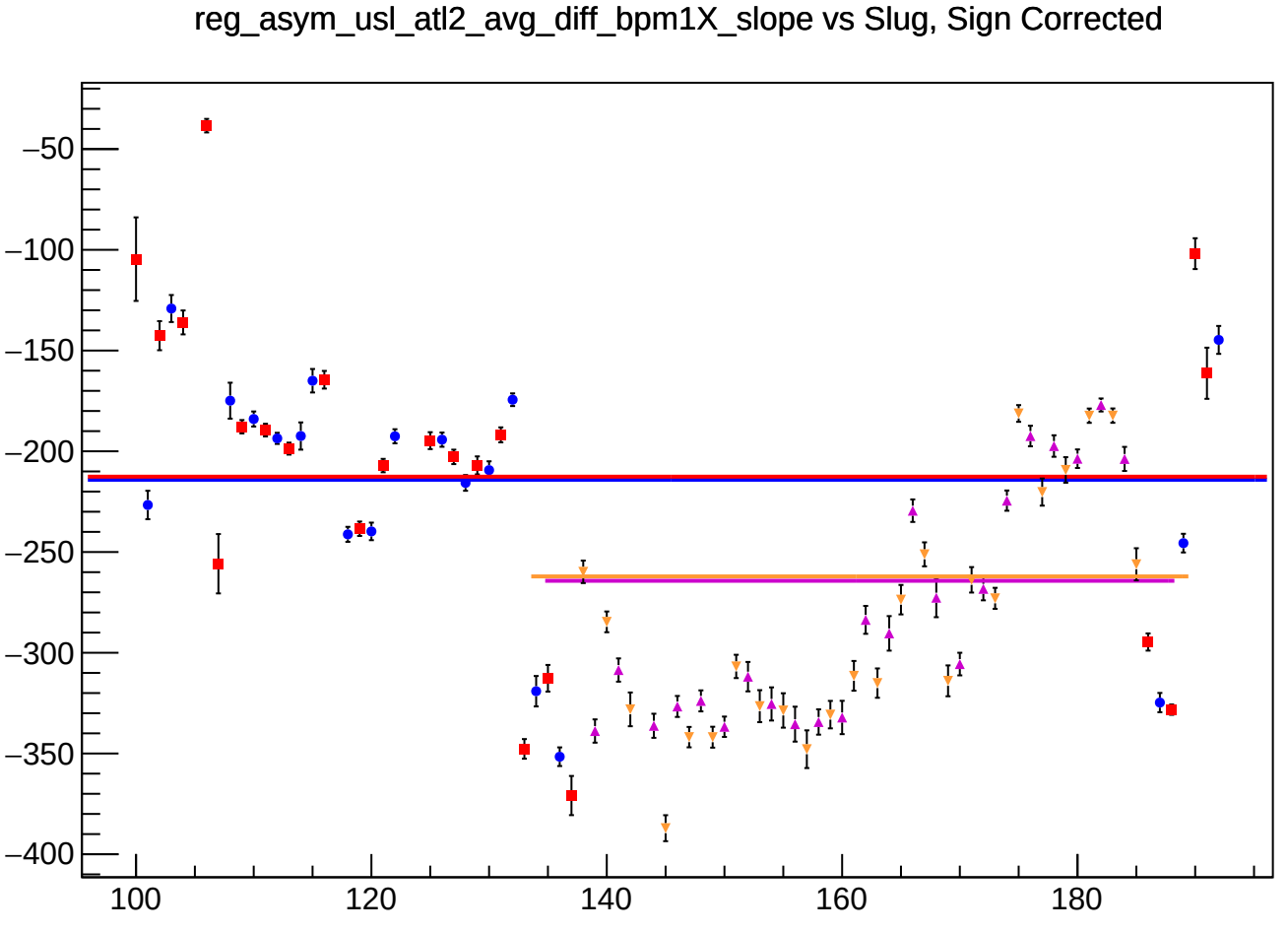
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -13.626+/-0.019 χ^2/NDF: 677661.7/40

In: -11.313+/-0.010 χ^2/NDF:442885.3/41

Out: -11.053+/-0.010 χ^2/NDF:413380.8/45

All: -11.184+/-0.007 χ^2/NDF: 856635.6/87



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: -212.603+/-0.900 χ^2/NDF: 7253.6/21

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

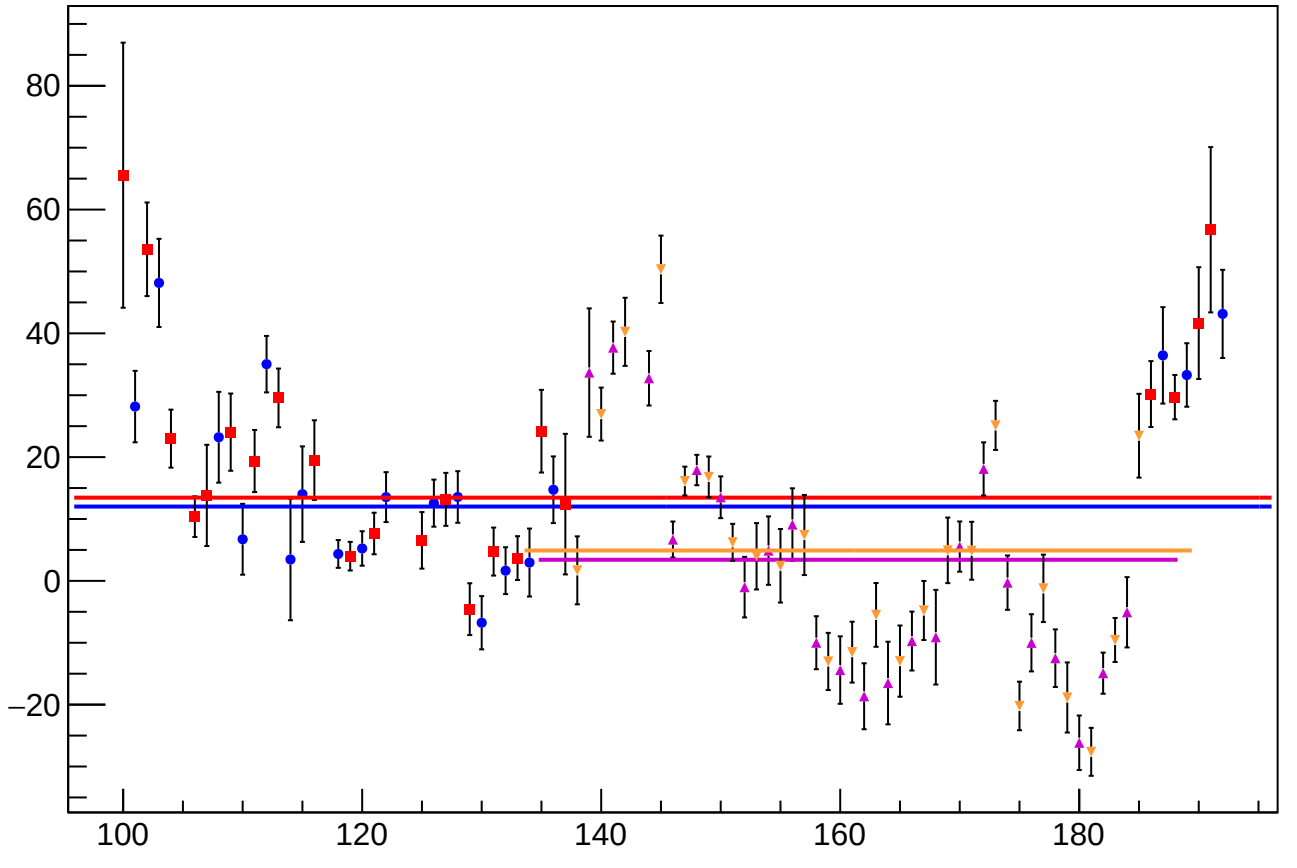
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -213.282+/-0.671 χ^2/NDF: 9715.9/40

In: -235.089+/-0.767 χ^2/NDF:6244.0/41

Out: -230.829+/-0.716 χ^2/NDF:11331.6/45

All: -232.813+/-0.523 χ^2/NDF: 17592.1/87



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: 13.449+/-0.976 χ^2/NDF: 162.3/21

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

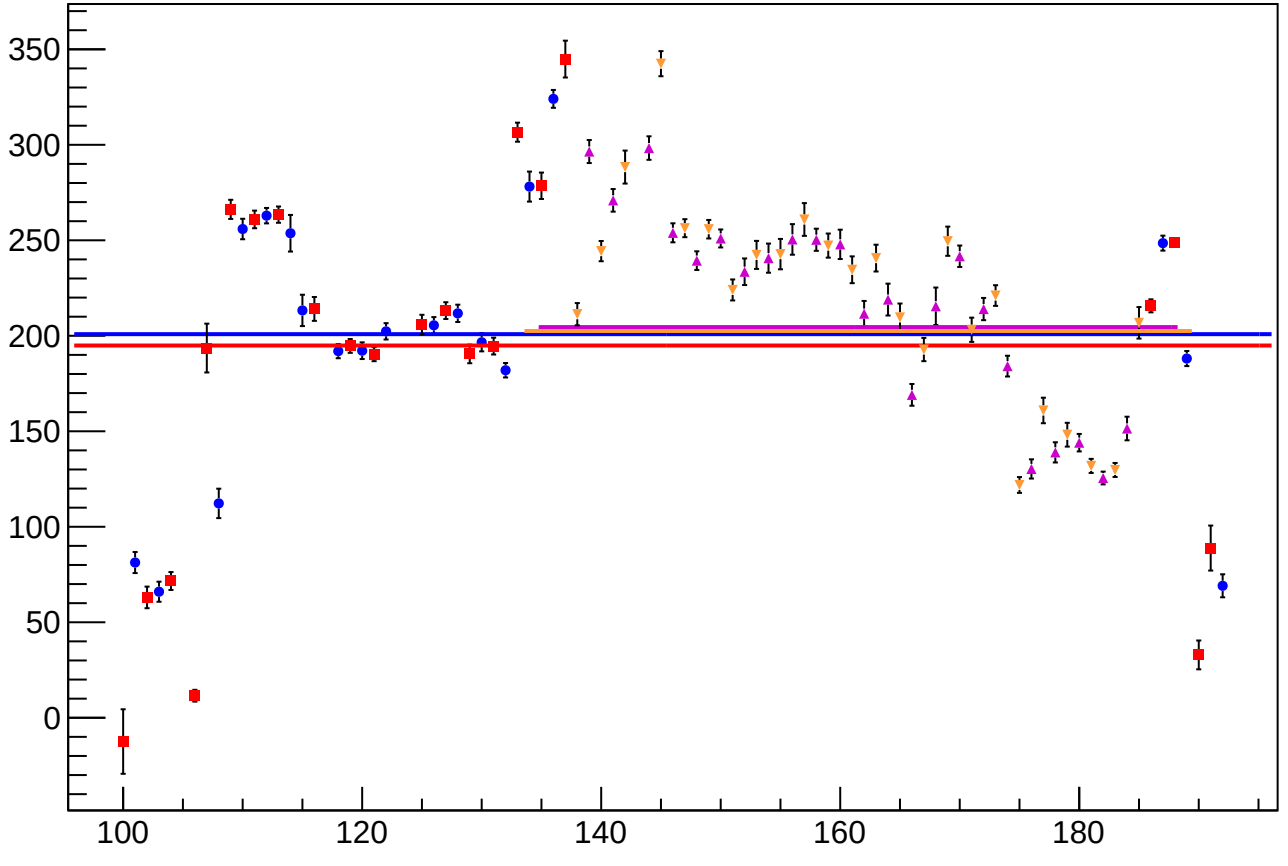
Right: 12.763+/-0.706 χ^2/NDF: 319.8/40

In: 7.164+/-0.676 χ^2/NDF:529.6/41

Out: 8.768+/-0.656 χ^2/NDF:603.2/45

All: 7.990+/-0.471 χ^2/NDF: 1135.6/87

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 194.907+/-0.949 χ^2/NDF: 7760.9/21

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

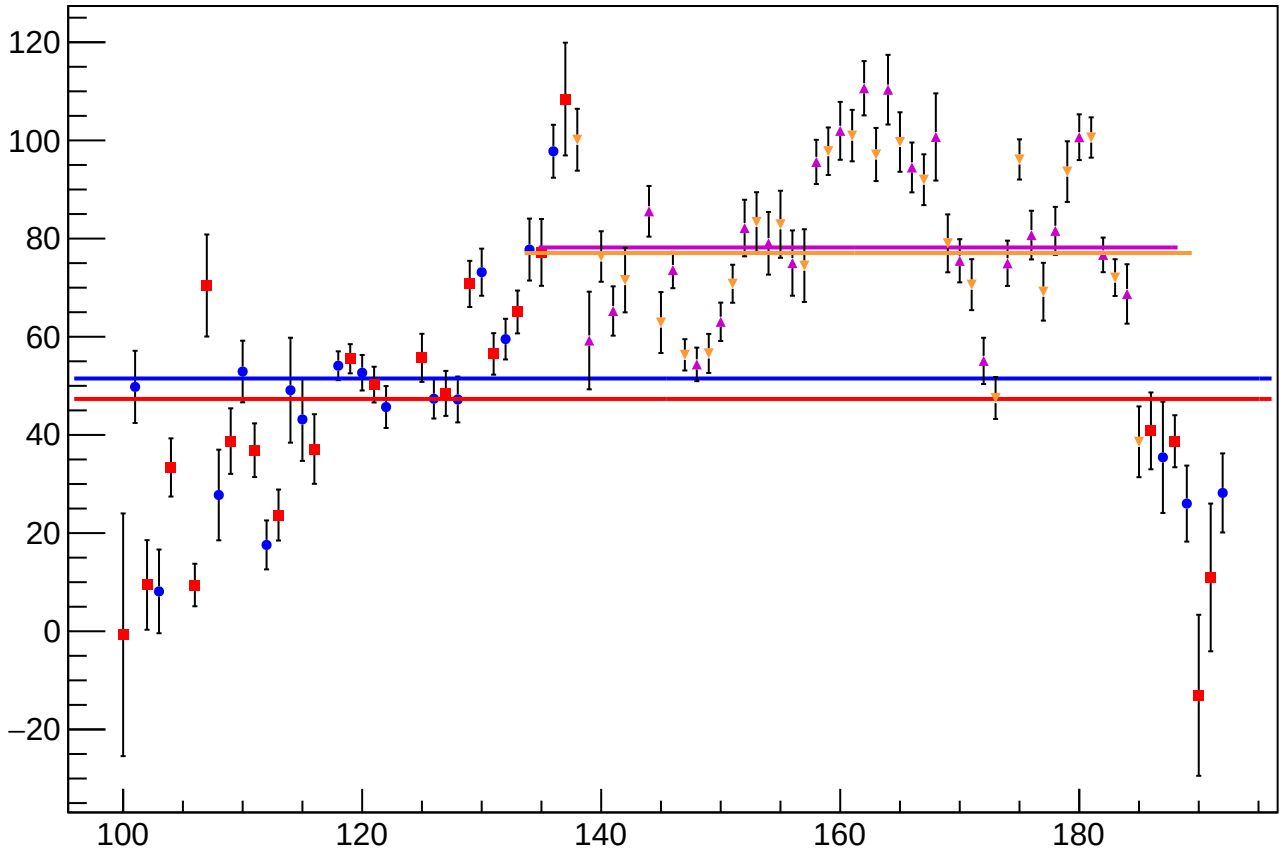
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 197.435+/-0.719 χ^2/NDF: 10880.5/40

In: 202.585+/-0.805 χ^2/NDF:5393.9/41

Out: 197.915+/-0.738 χ^2/NDF:10179.8/45

All: 200.046+/-0.544 χ^2/NDF: 15592.0/87



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: 47.333+/-1.164 χ^2/NDF: 263.7/21

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

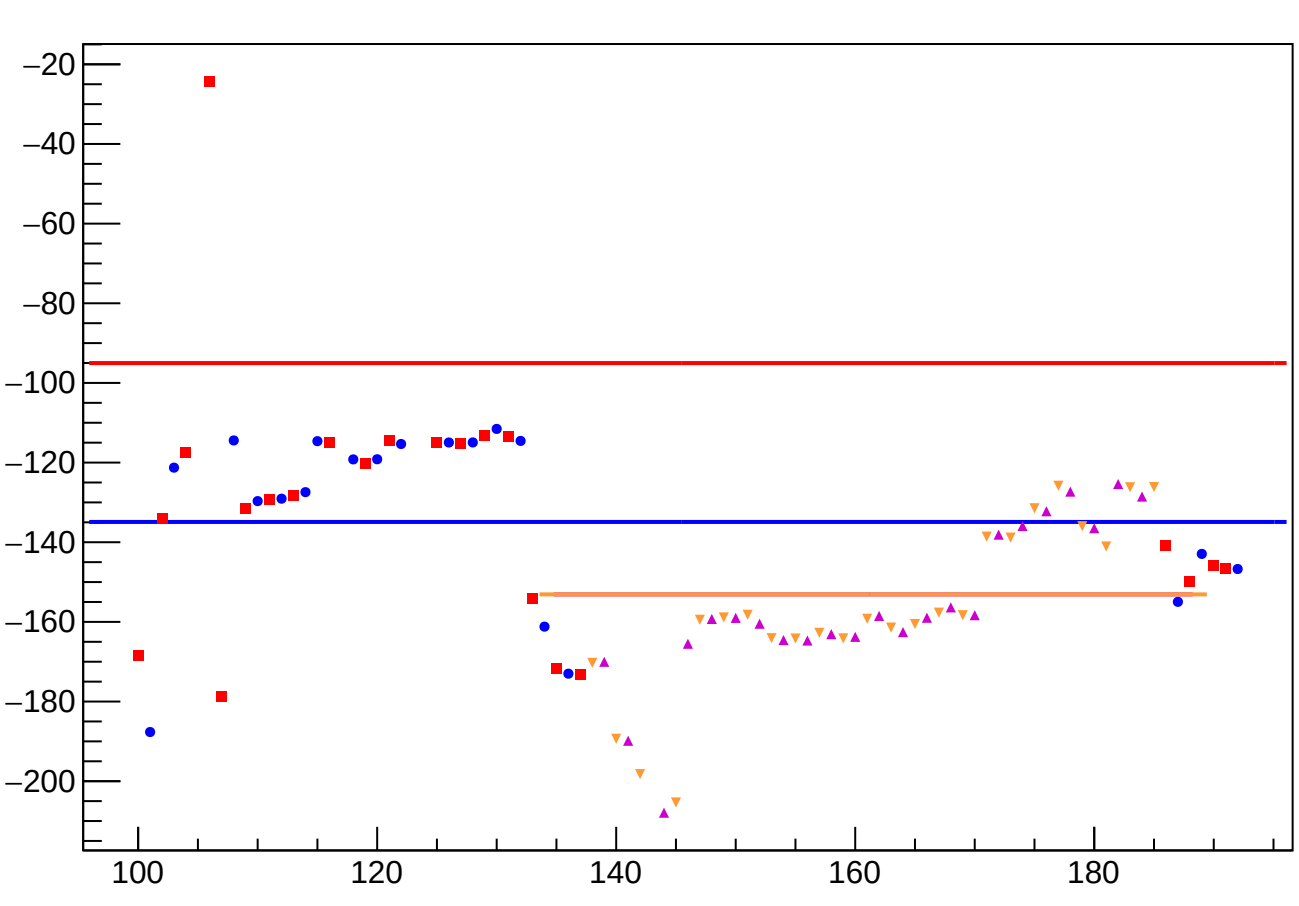
Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

Right: 49.343+/-0.837 χ^2/NDF: 490.6/40

In: 66.976+/-0.781 χ^2/NDF:737.9/41

Out: 64.215+/-0.765 χ^2/NDF:945.4/45

All: 65.567+/-0.547 χ^2/NDF: 1689.7/87



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: -95.010+/-0.061 χ^2/NDF: 813606.4/21

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

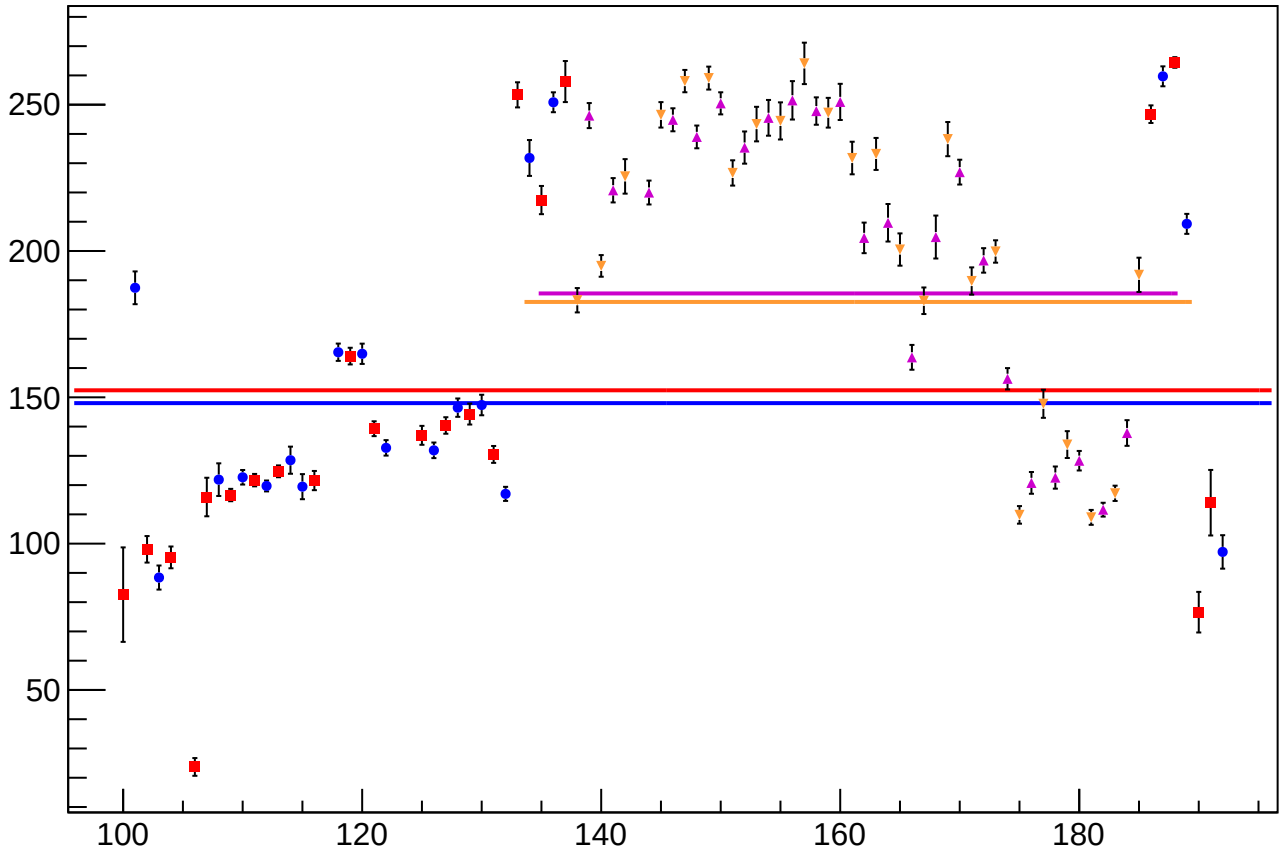
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -110.870+/-0.047 χ^2/NDF: 1082685.7/40

In: -148.013+/-0.040 χ^2/NDF:307161.4/41

Out: -131.412+/-0.037 χ^2/NDF:1563101.4/45

All: -139.186+/-0.027 χ^2/NDF: 1963797.8/87



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: 152.396+/-0.659 χ^2/NDF: 9057.3/21

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

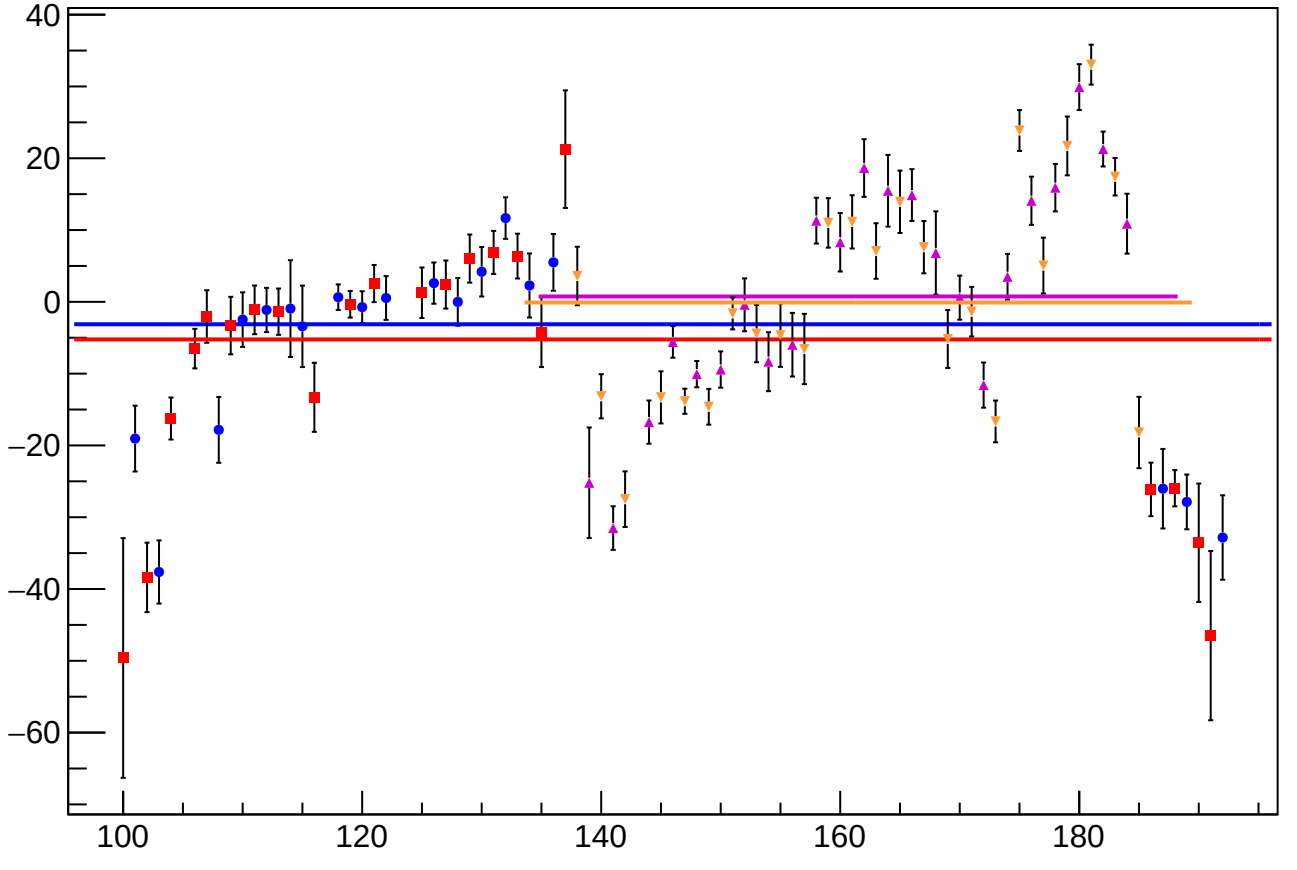
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 150.456+/-0.492 χ^2/NDF: 12627.2/40

In: 163.693+/-0.564 χ^2/NDF:8446.4/41

Out: 163.480+/-0.525 χ^2/NDF:13979.2/45

All: 163.579+/-0.384 χ^2/NDF: 22425.7/87



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: -5.235+/-0.729 χ^2/NDF: 274.8/21

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

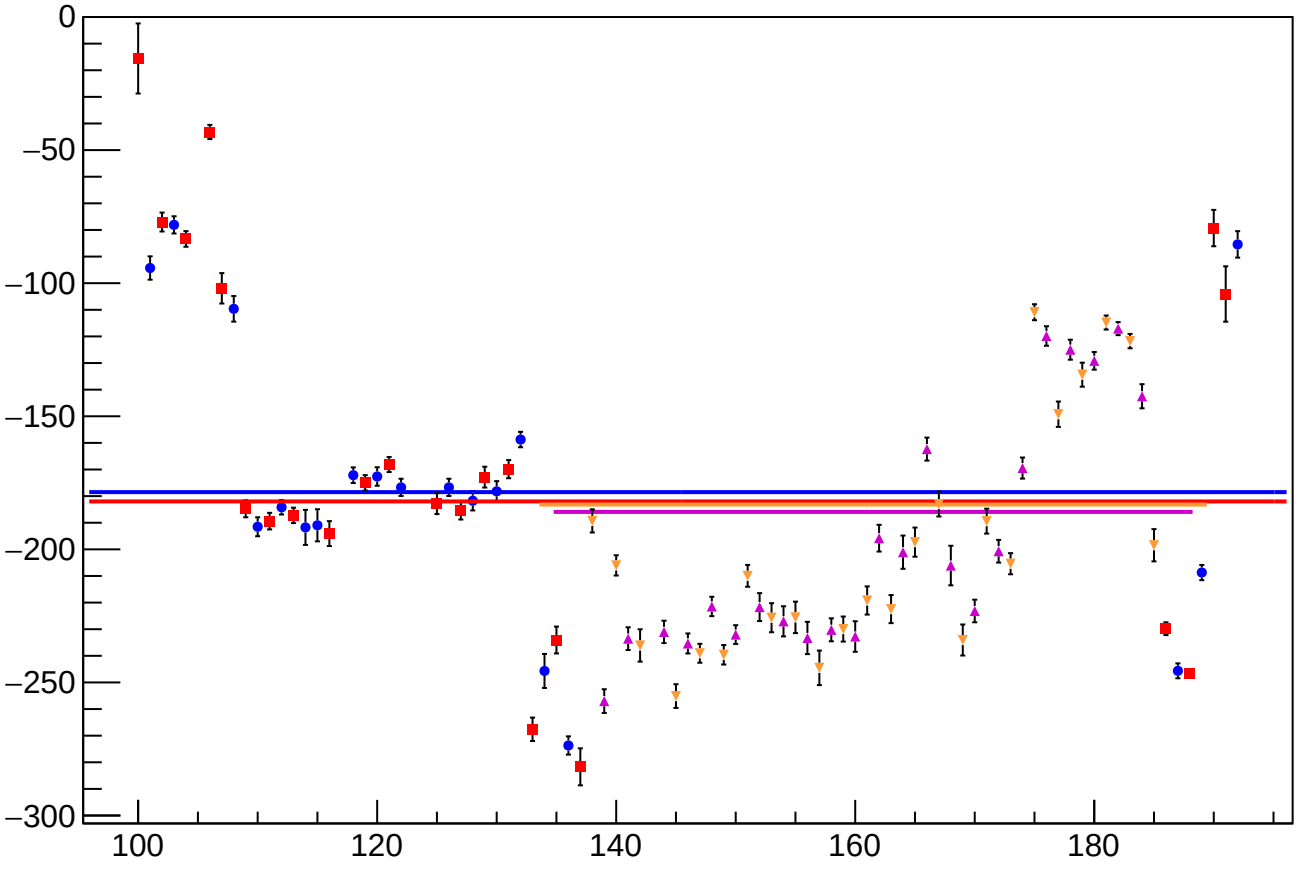
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -4.244+/-0.531 χ^2/NDF: 496.6/40

In: -0.893+/-0.505 χ^2/NDF:730.1/41

Out: -2.387+/-0.487 χ^2/NDF:857.6/45

All: -1.667+/-0.351 χ^2/NDF: 1592.2/87



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: -181.998+/-0.695 χ^2/NDF: 8470.0/21

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

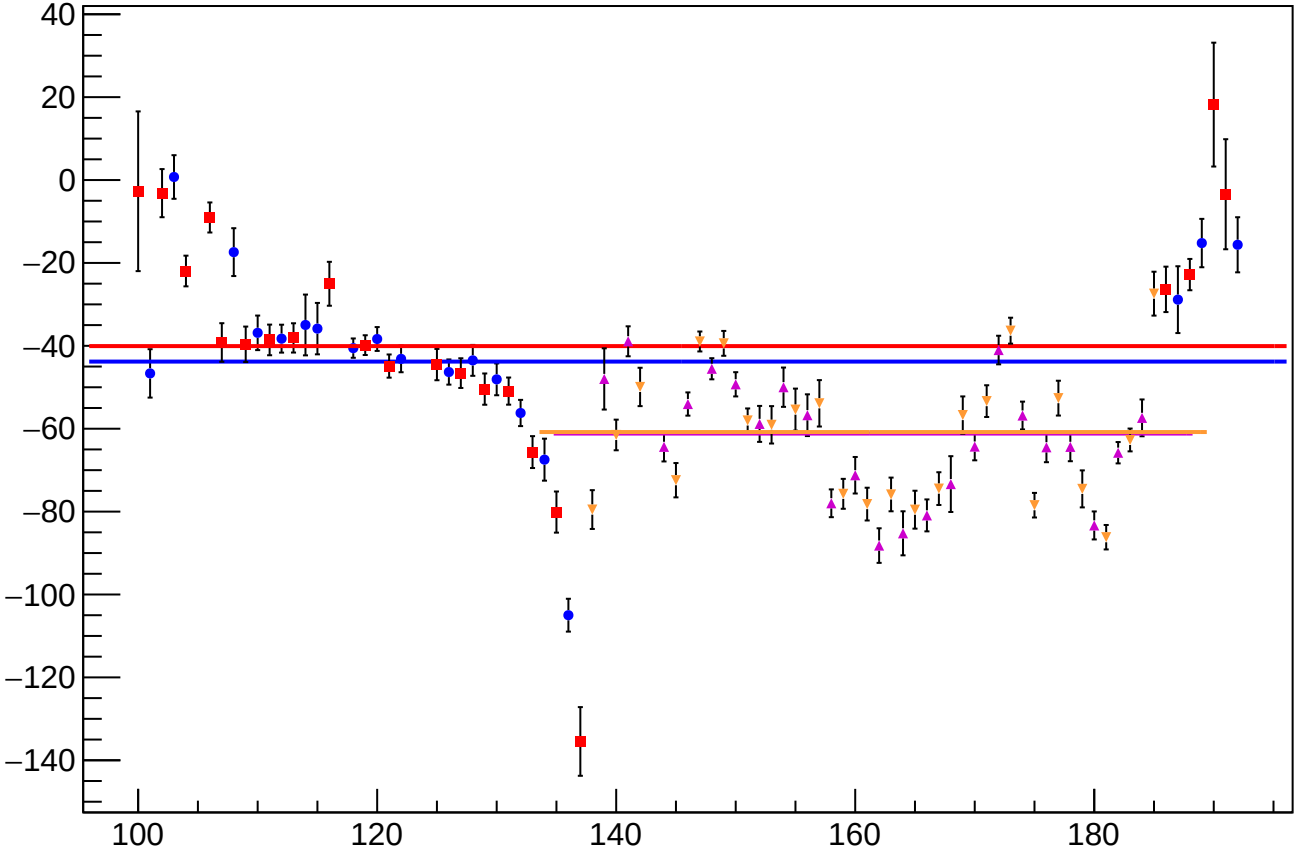
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -180.525+/-0.529 χ^2/NDF: 12020.5/40

In: -181.987+/-0.594 χ^2/NDF:6760.5/41

Out: -182.461+/-0.541 χ^2/NDF:11832.3/45

All: -182.246+/-0.400 χ^2/NDF: 18593.1/87



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: -40.067+/-0.869 χ^2/NDF: 468.0/21

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

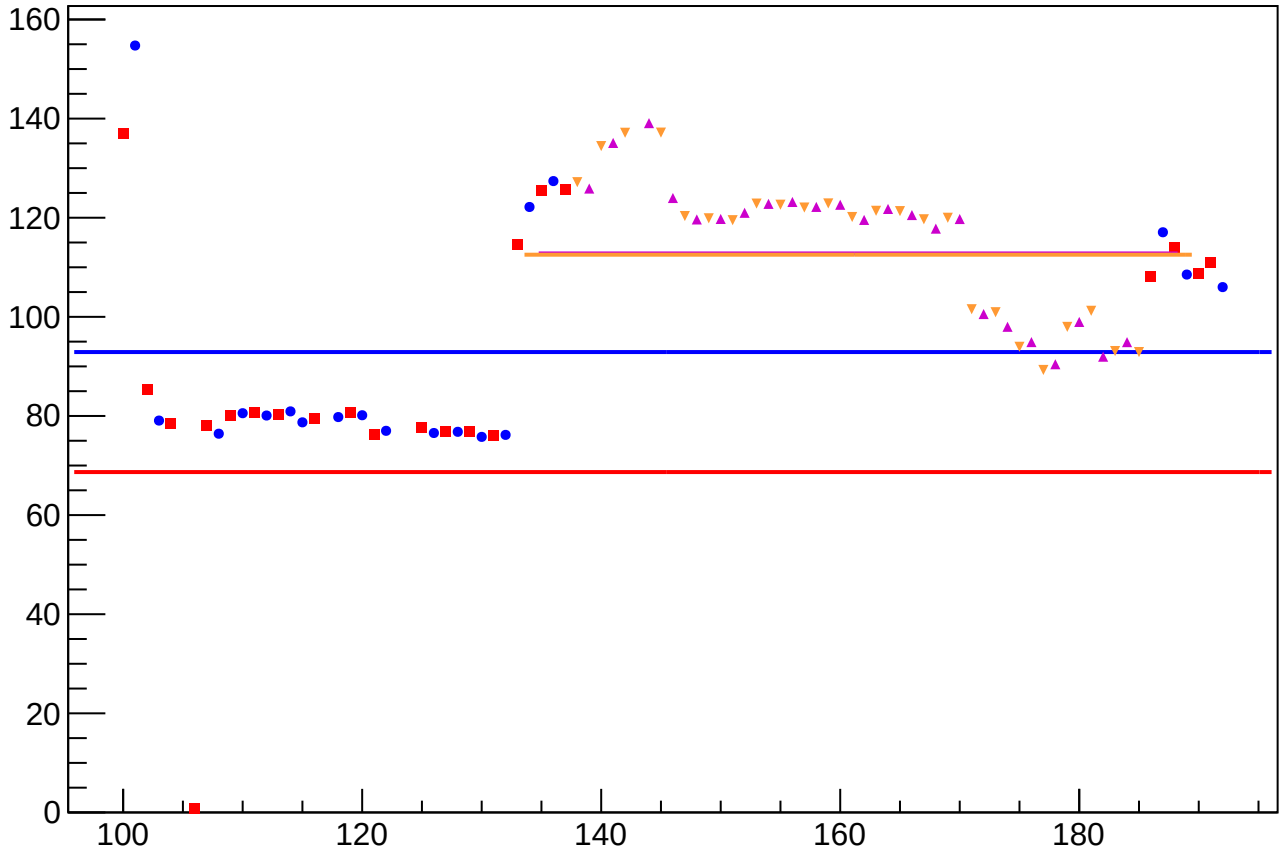
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -41.848+/-0.629 χ^2/NDF: 906.8/40

In: -54.080+/-0.582 χ^2/NDF:962.0/41

Out: -51.969+/-0.567 χ^2/NDF:1268.5/45

All: -52.997+/-0.406 χ^2/NDF: 2237.2/87



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: 68.681+/-0.047 χ^2/NDF: 752547.7/21

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

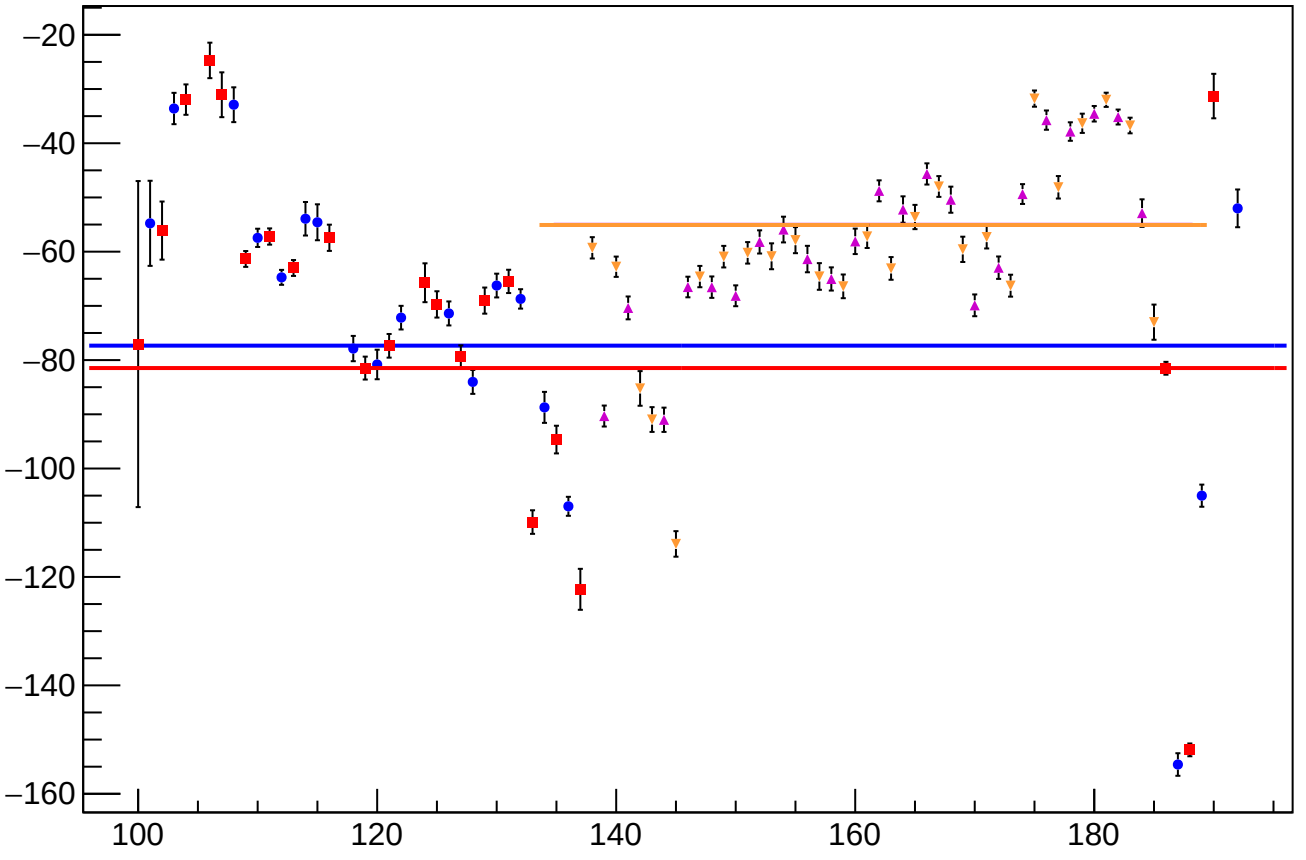
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 78.926+/-0.036 χ^2/NDF: 1038234.0/40

In: 107.151+/-0.029 χ^2/NDF:439103.9/41

Out: 97.076+/-0.028 χ^2/NDF:1494101.7/45

All: 101.881+/-0.020 χ^2/NDF: 1995723.9/87



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: -81.468+/-0.443 χ^2/NDF: 5648.7/21

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

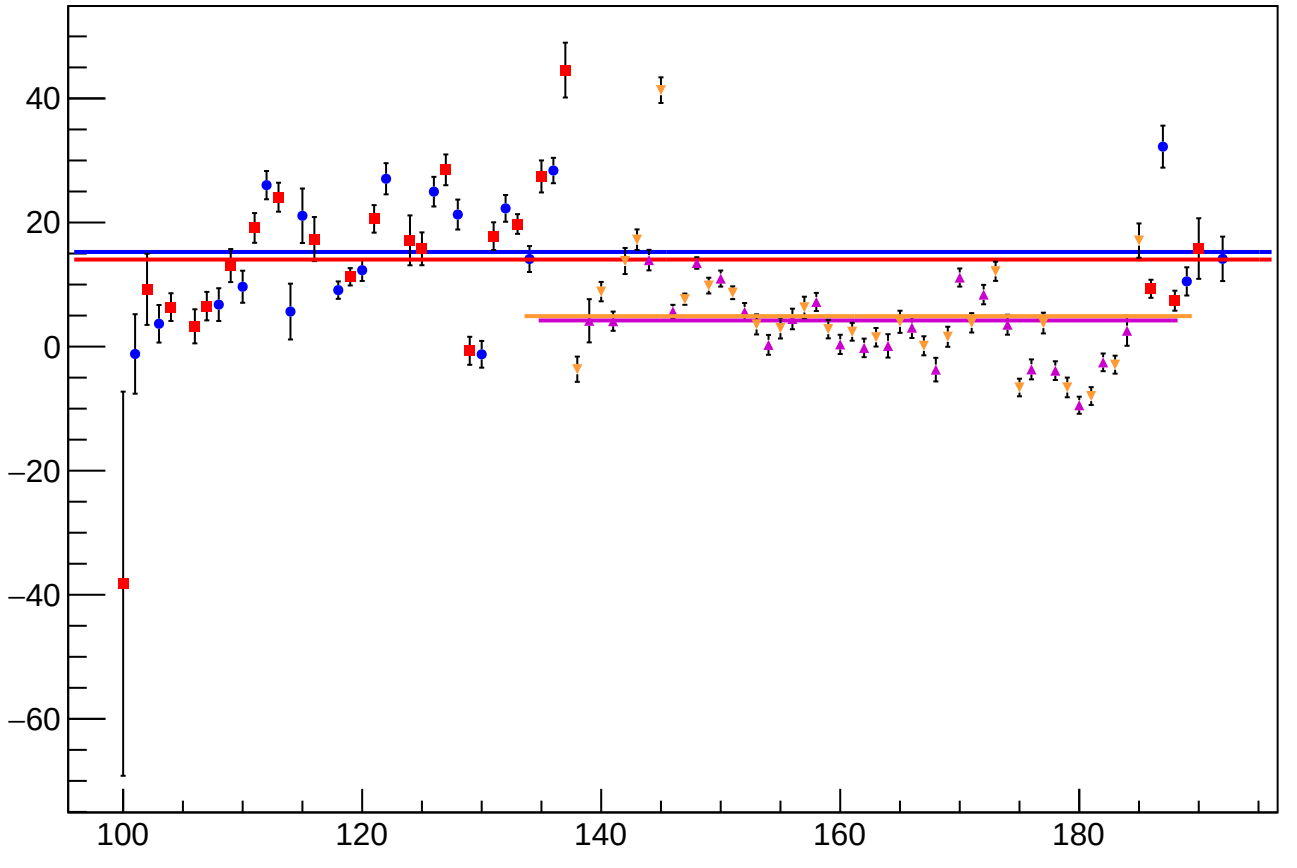
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -79.711+/-0.336 χ^2/NDF: 8430.4/40

In: -63.703+/-0.321 χ^2/NDF:5431.1/41

Out: -66.948+/-0.297 χ^2/NDF:9604.3/46

All: -65.451+/-0.218 χ^2/NDF: 15090.4/88



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: 14.030+/-0.493 χ^2/NDF: 273.6/21

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

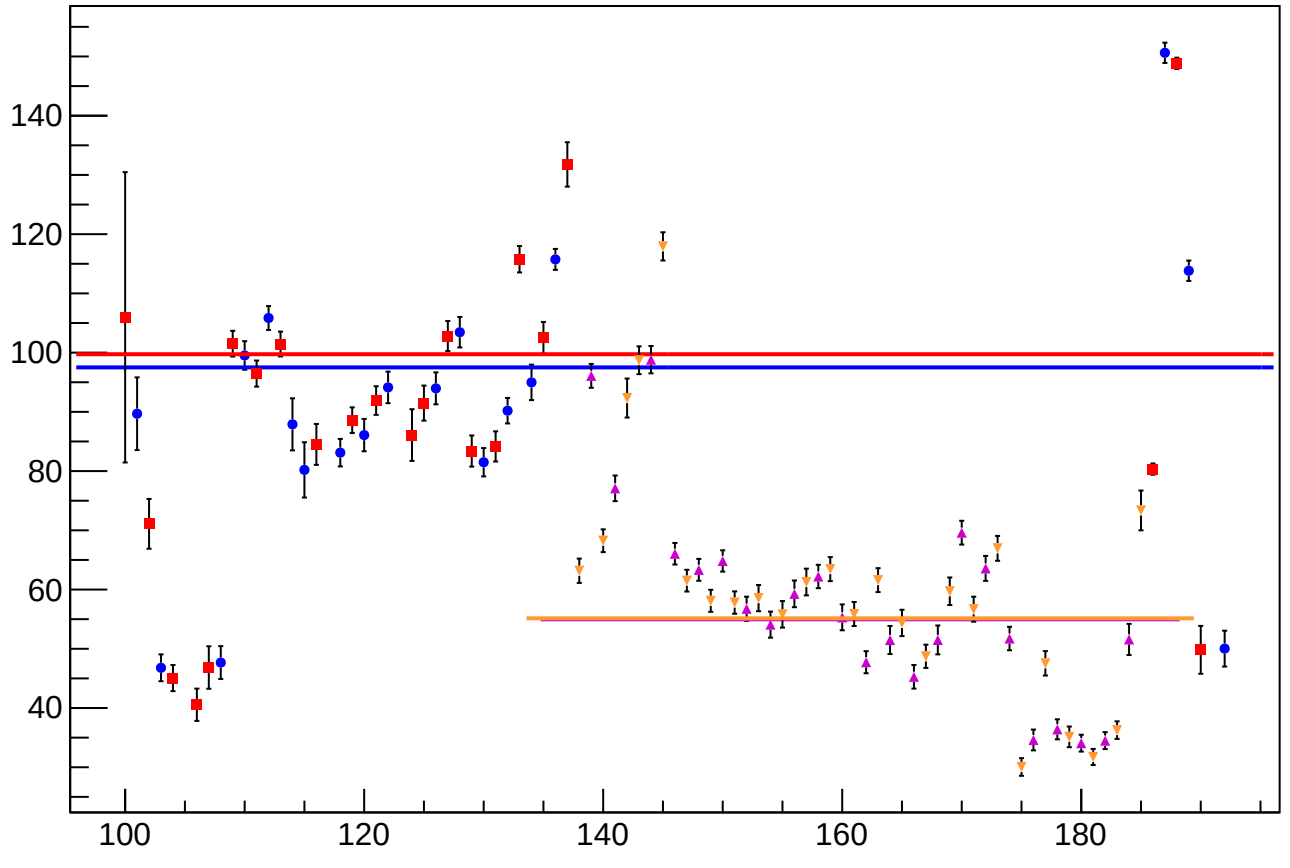
Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

Right: 14.577+/-0.367 χ^2/NDF: 548.5/40

In: 6.917+/-0.271 χ^2/NDF:992.9/41

Out: 7.388+/-0.257 χ^2/NDF:1263.9/46

All: 7.165+/-0.187 χ^2/NDF: 2258.3/88



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: 99.730+/-0.451 χ^2/NDF: 4880.2/21

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

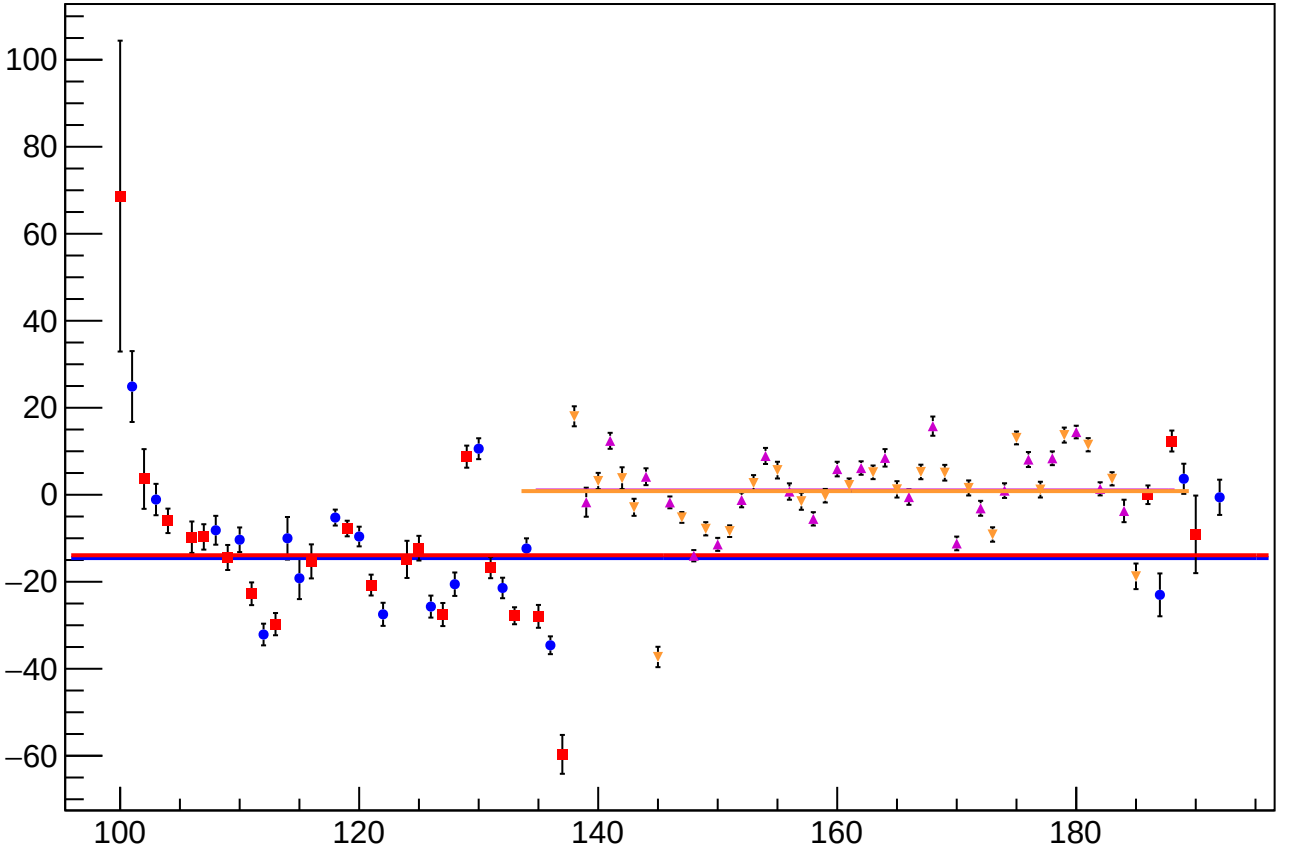
Right: 98.849+/-0.350 χ^2/NDF: 7279.0/40

In: 69.717+/-0.328 χ^2/NDF:7982.3/41

Out: 74.599+/-0.298 χ^2/NDF:12629.5/46

All: 72.390+/-0.221 χ^2/NDF: 20733.2/88

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -13.904+/-0.596 χ^2/NDF: 546.7/21

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

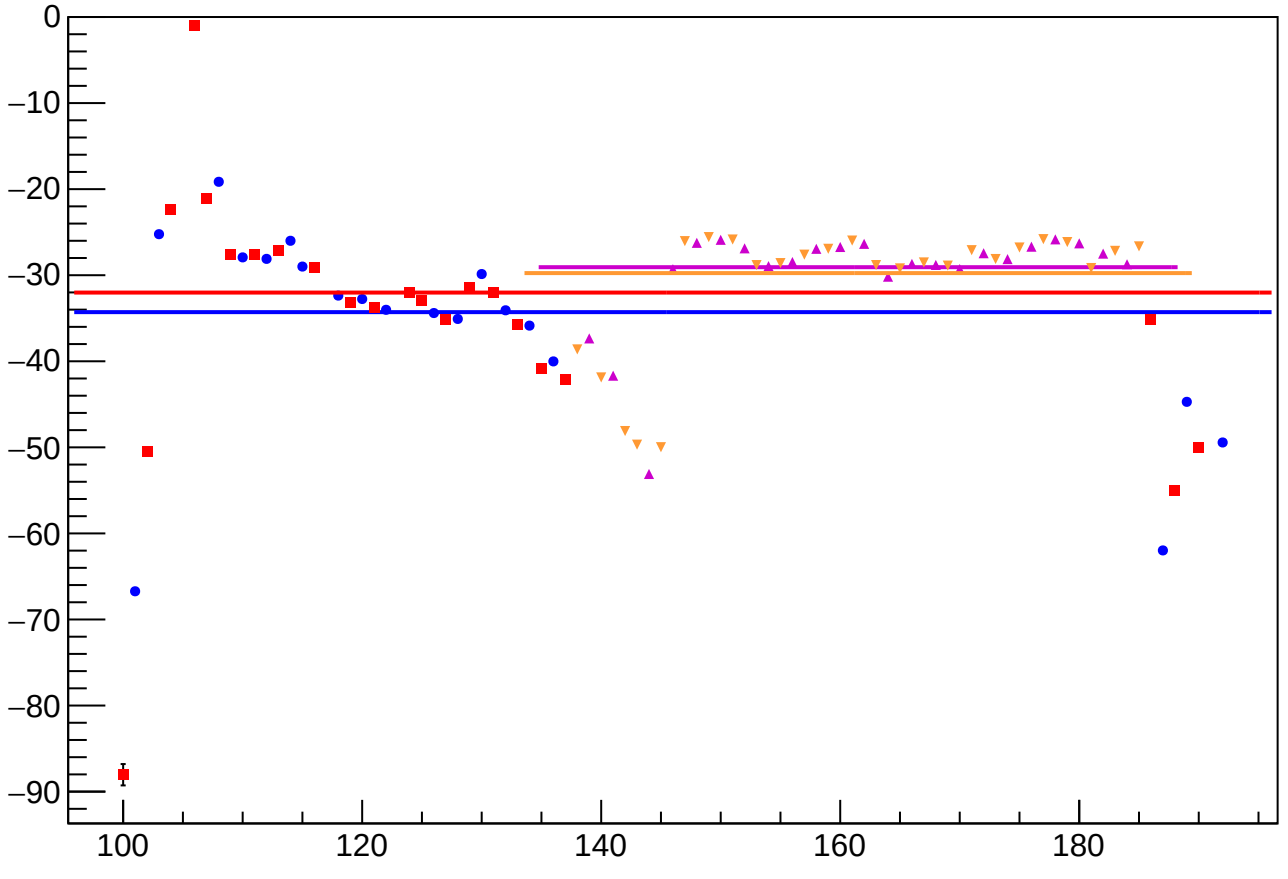
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -14.207+/-0.436 χ^2/NDF: 978.2/40

In: -2.652+/-0.309 χ^2/NDF:1441.5/41

Out: -2.829+/-0.297 χ^2/NDF:1724.0/46

All: -2.744+/-0.214 χ^2/NDF: 3165.6/88



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: -32.017+/-0.035 χ^2/NDF: 139808.6/21

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

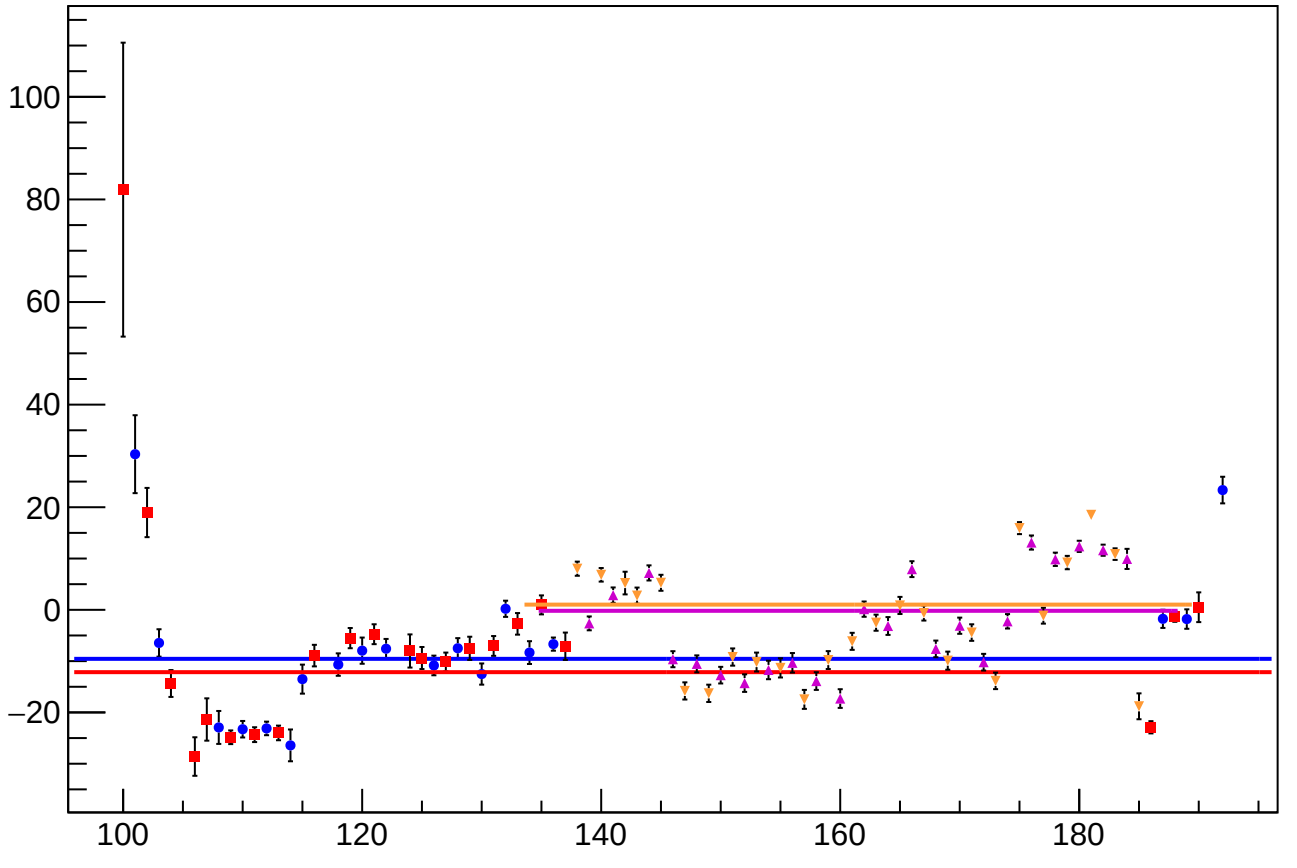
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -33.148+/-0.025 χ^2/NDF: 214672.8/40

In: -29.927+/-0.014 χ^2/NDF:192367.2/41

Out: -30.121+/-0.014 χ^2/NDF:306783.4/46

All: -30.025+/-0.010 χ^2/NDF: 499241.5/88



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: -12.151+/-0.404 χ^2/NDF: 639.7/21

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

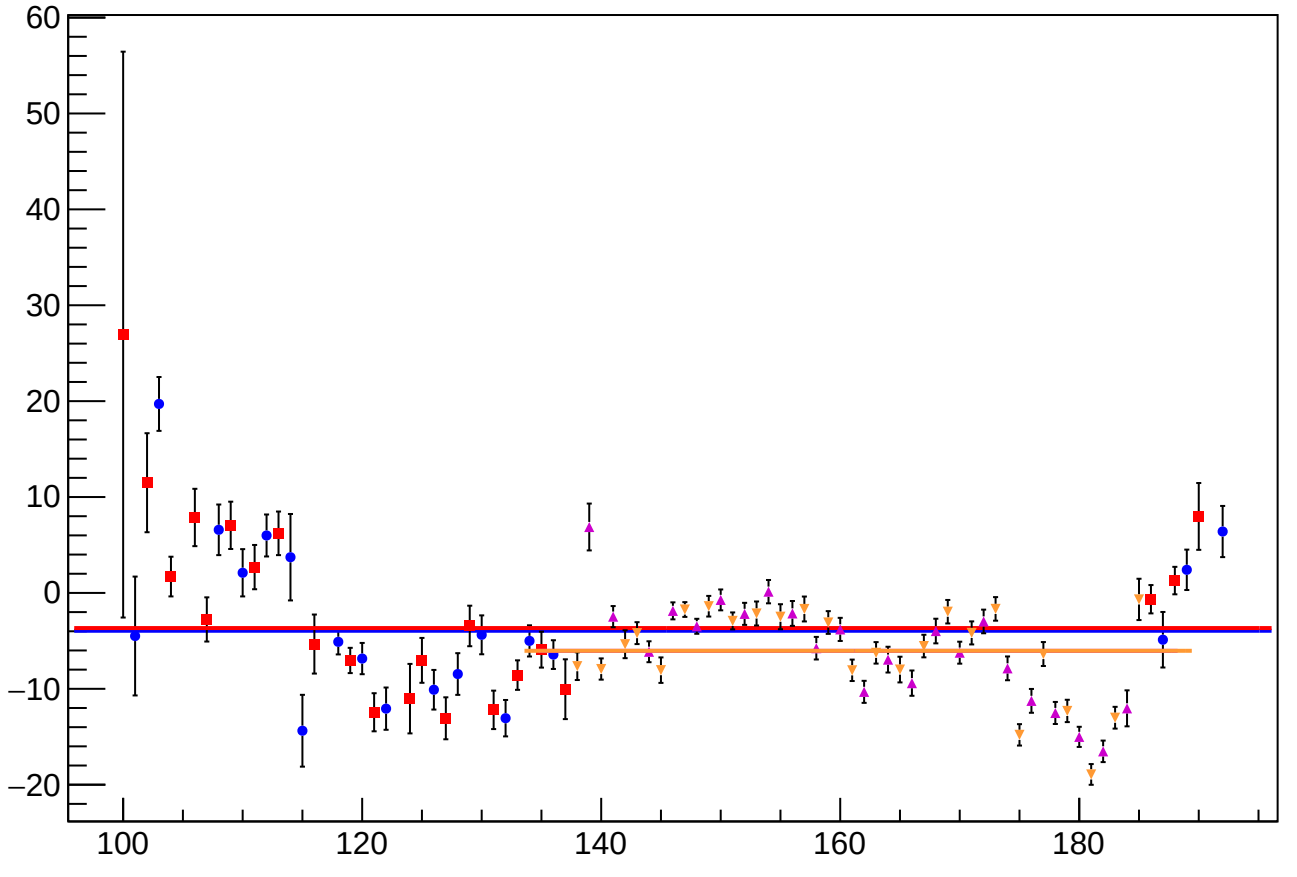
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: -11.011+/-0.303 χ^2/NDF: 1159.2/40

In: -3.206+/-0.259 χ^2/NDF:1769.4/41

Out: -3.760+/-0.243 χ^2/NDF:2651.7/46

All: -3.500+/-0.177 χ^2/NDF: 4423.5/88



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: -3.665+/-0.455 χ^2/NDF: 189.0/21

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

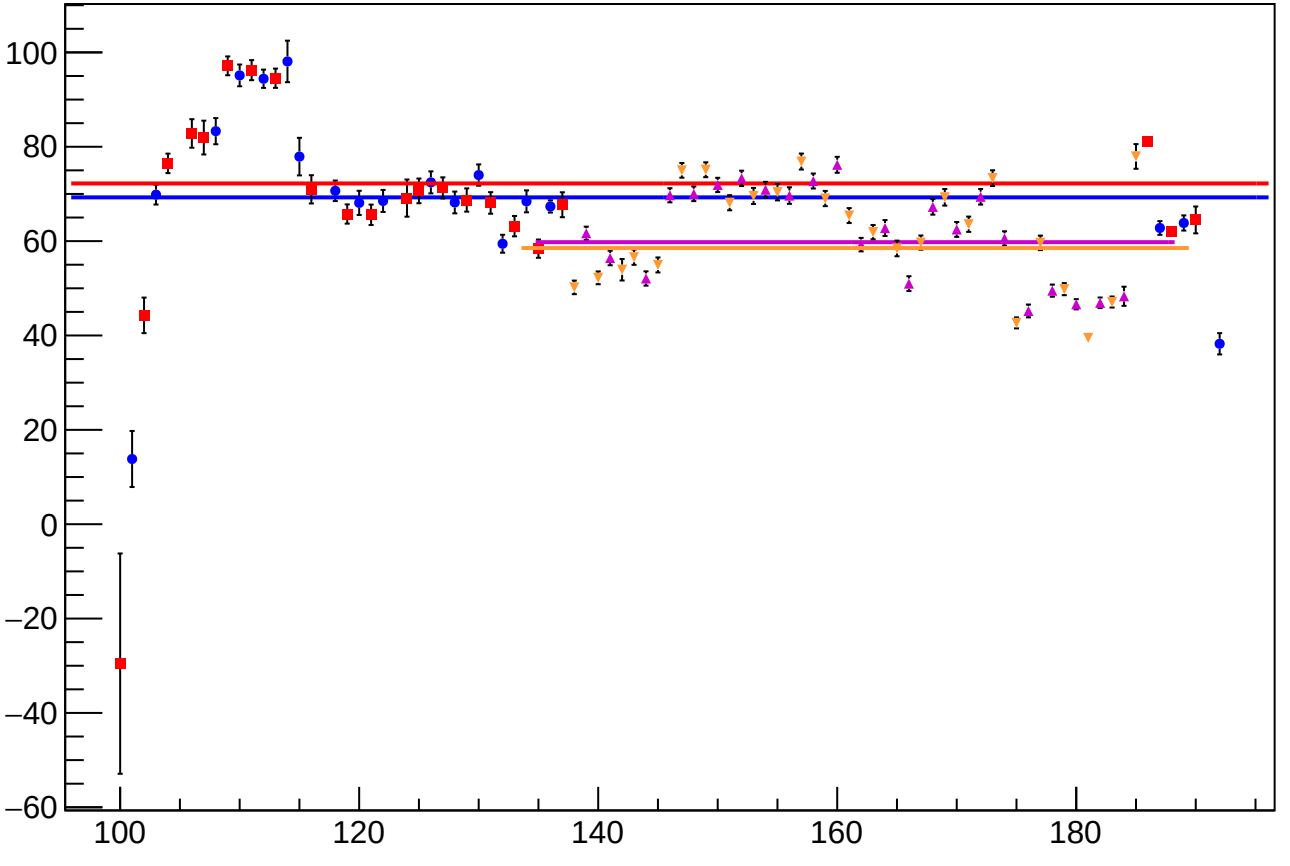
Right: -3.795+/-0.332 χ^2/NDF: 394.6/40

In: -5.625+/-0.217 χ^2/NDF:616.4/41

Out: -5.542+/-0.208 χ^2/NDF:625.4/46

All: -5.581+/-0.150 χ^2/NDF: 1242.0/88

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 72.225+/-0.413 χ^2/NDF: 842.7/21

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

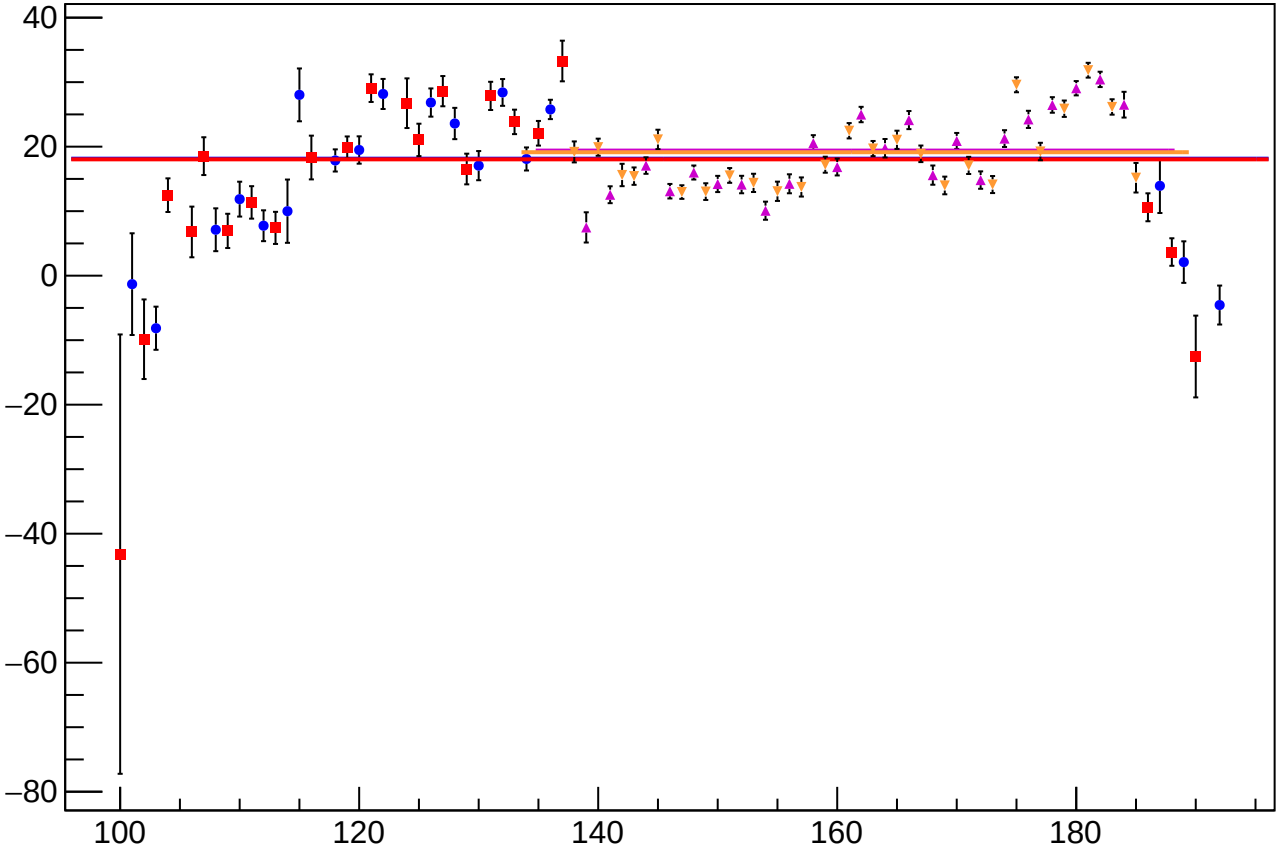
Right: 70.997+/-0.315 χ^2/NDF: 1575.4/40

In: 62.519+/-0.263 χ^2/NDF:2050.1/41

Out: 63.329+/-0.244 χ^2/NDF:3007.2/46

All: 62.954+/-0.179 χ^2/NDF: 5062.4/88

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 18.034+/-0.544 χ^2/NDF: 272.1/21

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

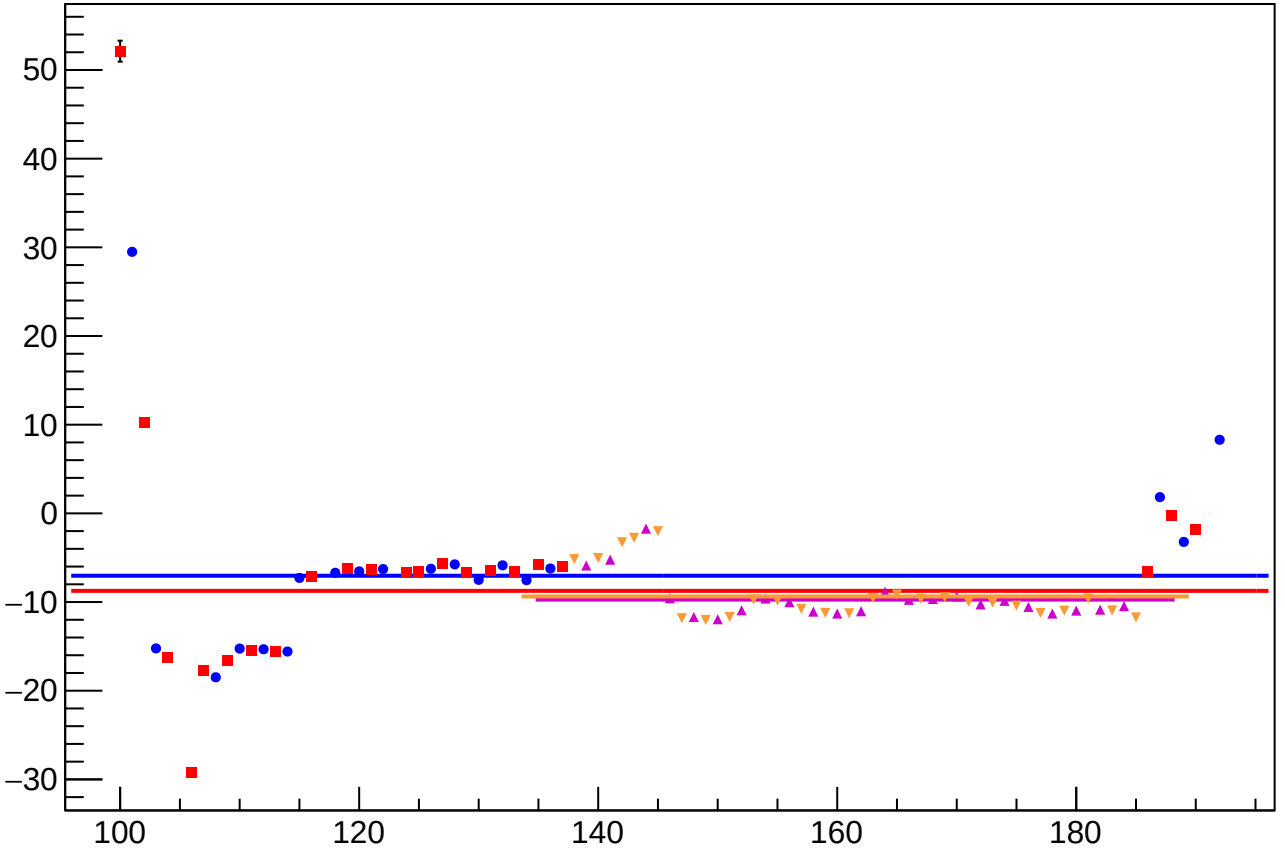
Right: 18.083+/-0.390 χ^2/NDF: 556.6/40

In: 19.148+/-0.246 χ^2/NDF:756.2/41

Out: 18.928+/-0.238 χ^2/NDF:709.2/46

All: 19.034+/-0.171 χ^2/NDF: 1465.8/88

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -8.738+/-0.032 χ^2/NDF: 62643.5/21

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

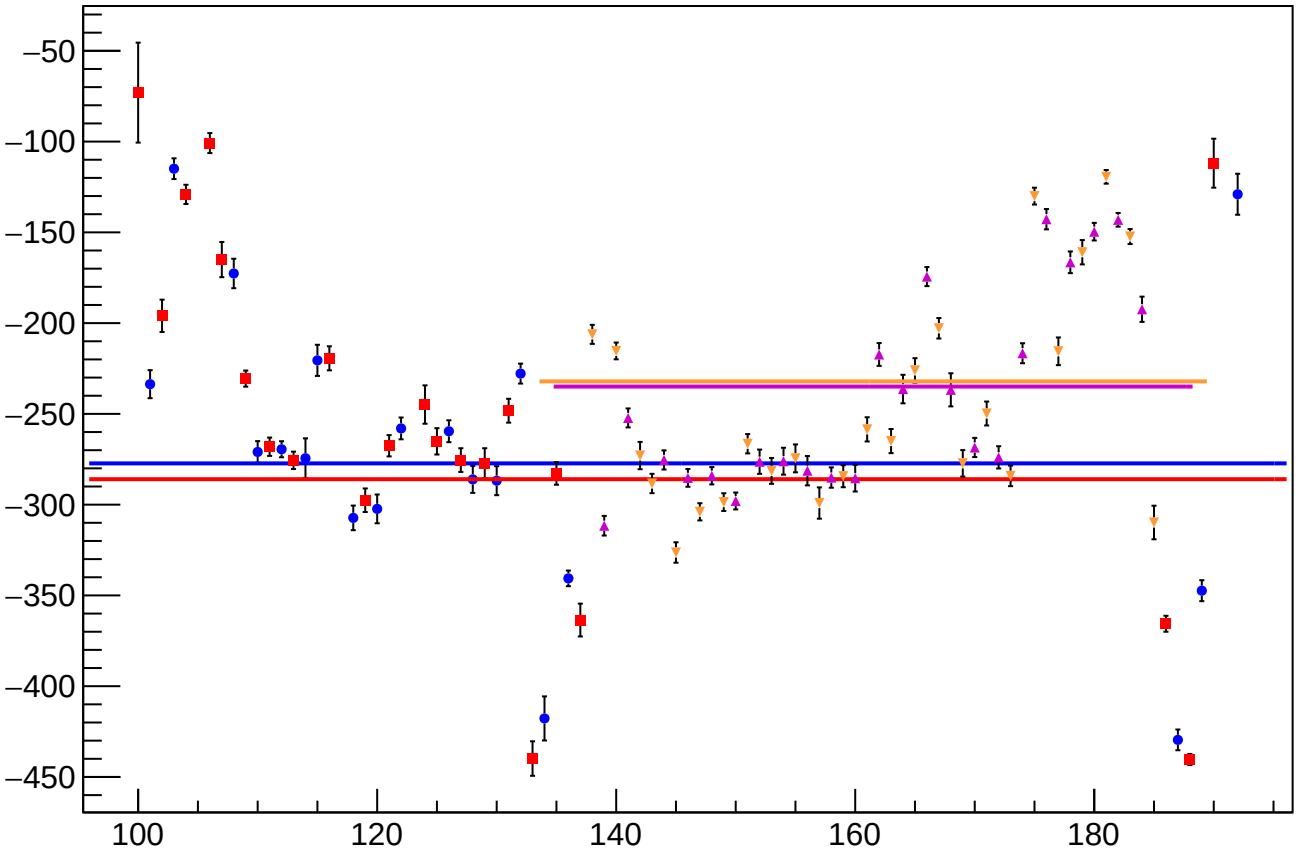
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -7.841+/-0.022 χ^2/NDF: 127778.1/40

In: -9.350+/-0.011 χ^2/NDF:102458.8/41

Out: -9.296+/-0.011 χ^2/NDF:112931.5/46

All: -9.323+/-0.008 χ^2/NDF: 215401.9/88



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: -285.971+/-1.286 χ^2/NDF: 6038.6/21

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

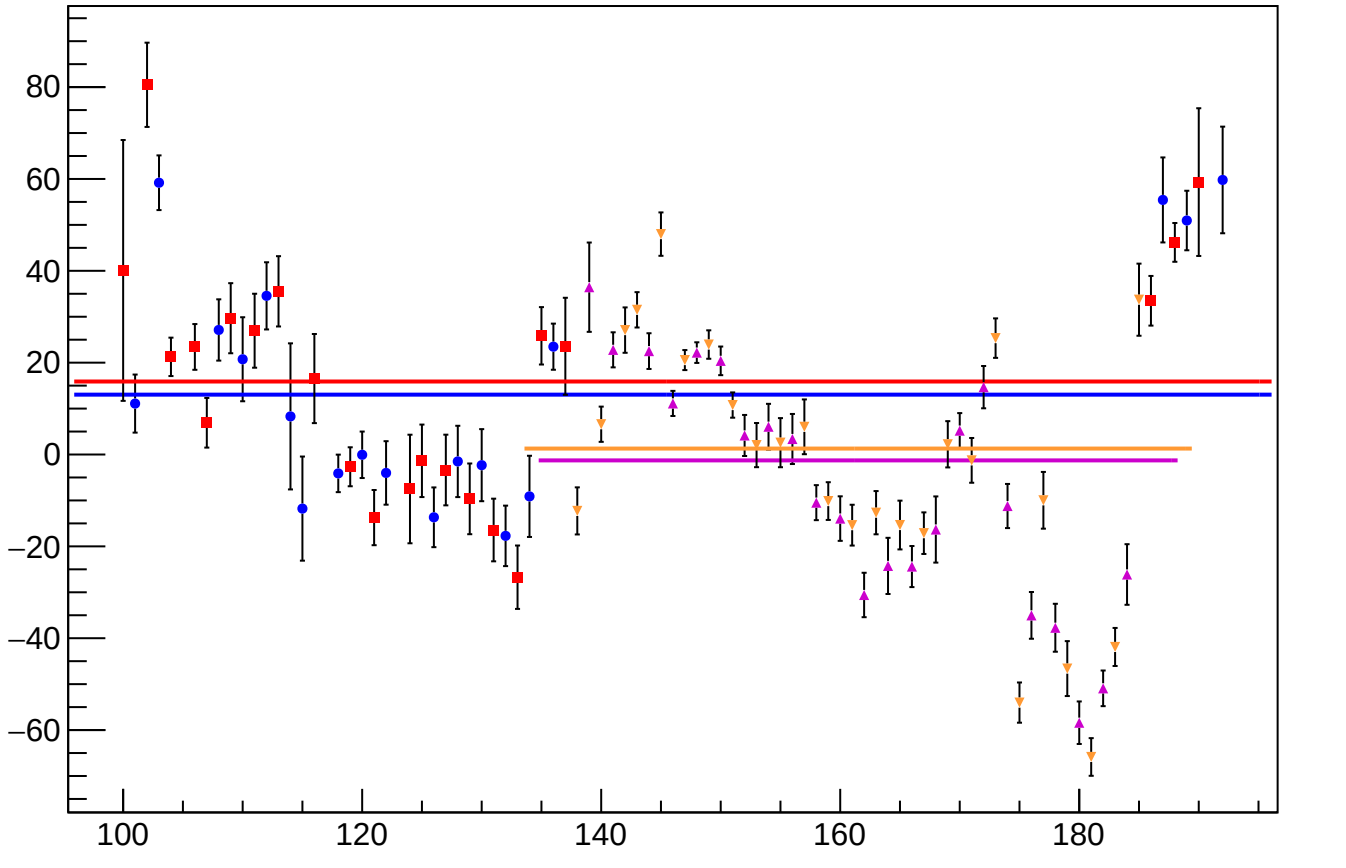
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -282.244+/-0.973 χ^2/NDF: 8626.2/40

In: -251.233+/-0.922 χ^2/NDF:5536.5/41

Out: -255.865+/-0.854 χ^2/NDF:10289.0/46

All: -253.726+/-0.627 χ^2/NDF: 15839.2/88



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: 15.896+/-1.391 χ^2/NDF: 271.2/21

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

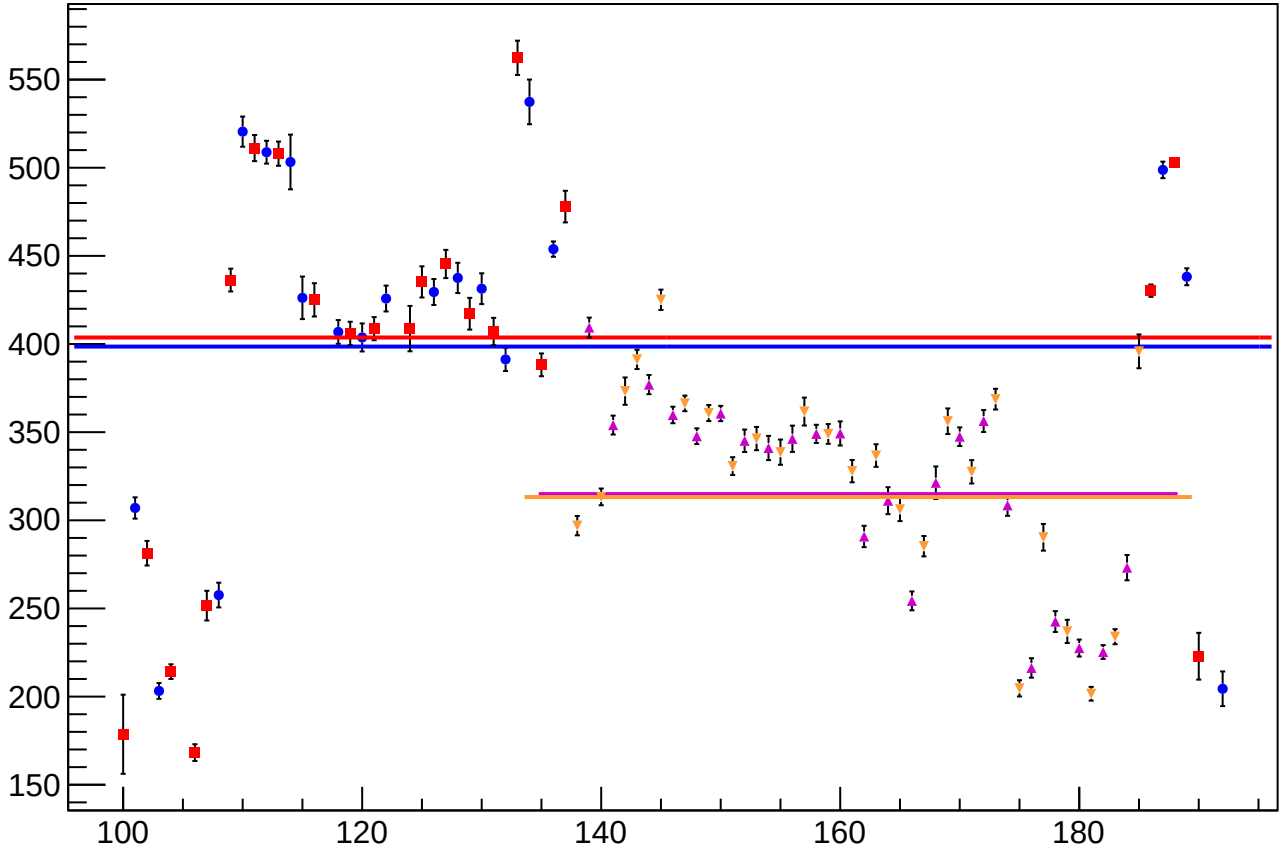
Right: 14.626+/-1.037 χ^2/NDF: 510.4/40

In: 2.121+/-0.759 χ^2/NDF:1113.0/41

Out: 5.174+/-0.717 χ^2/NDF:1401.5/46

All: 3.733+/-0.521 χ^2/NDF: 2523.1/88

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 403.696+/-1.269 χ^2/NDF: 7964.4/21

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

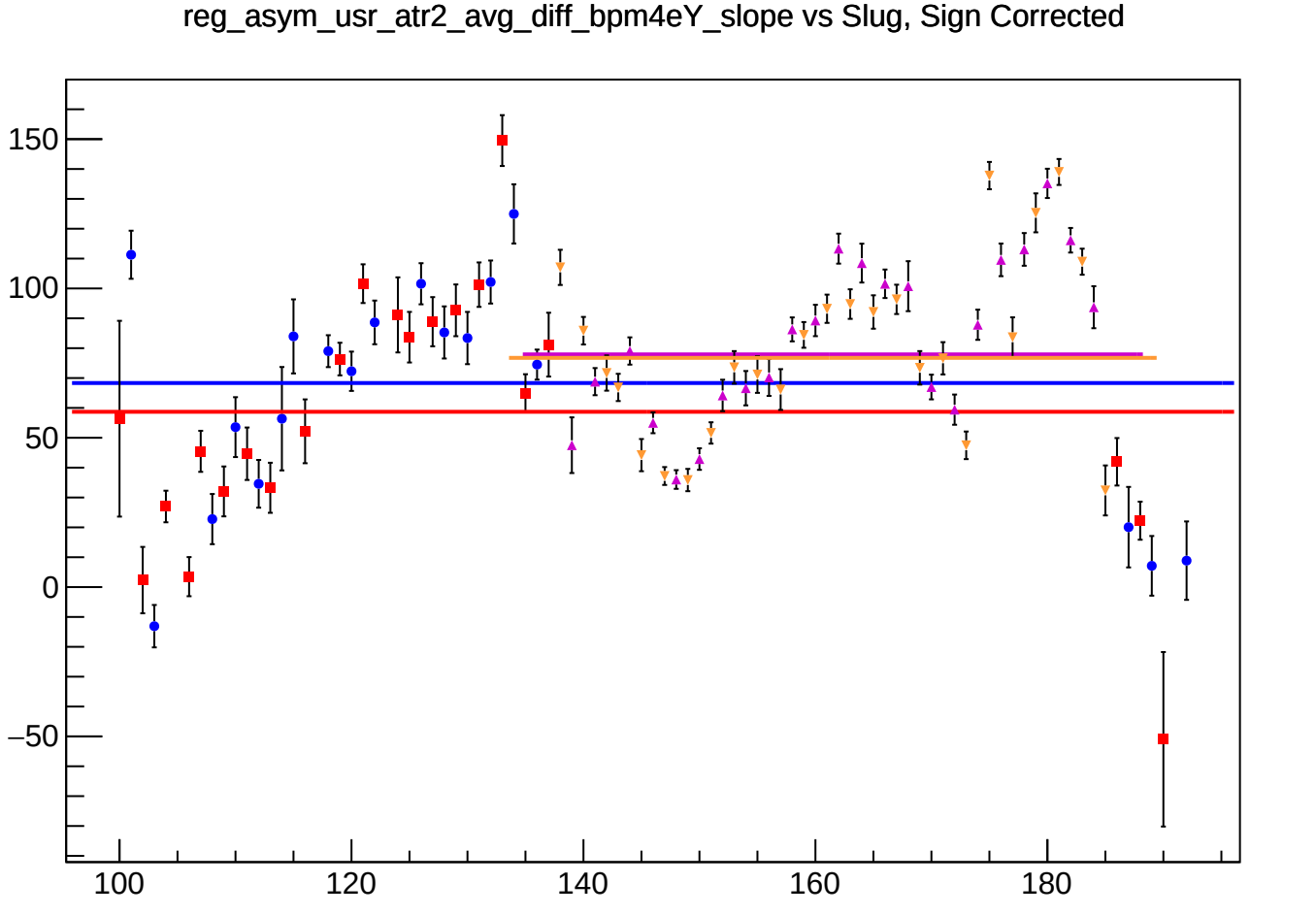
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 401.595+/-0.976 χ^2/NDF: 12315.3/40

In: 345.528+/-0.924 χ^2/NDF:8675.8/41

Out: 353.386+/-0.845 χ^2/NDF:13928.7/46

All: 349.807+/-0.624 χ^2/NDF: 22643.8/88



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: 58.700+/-1.685 χ^2/NDF: 460.3/21

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

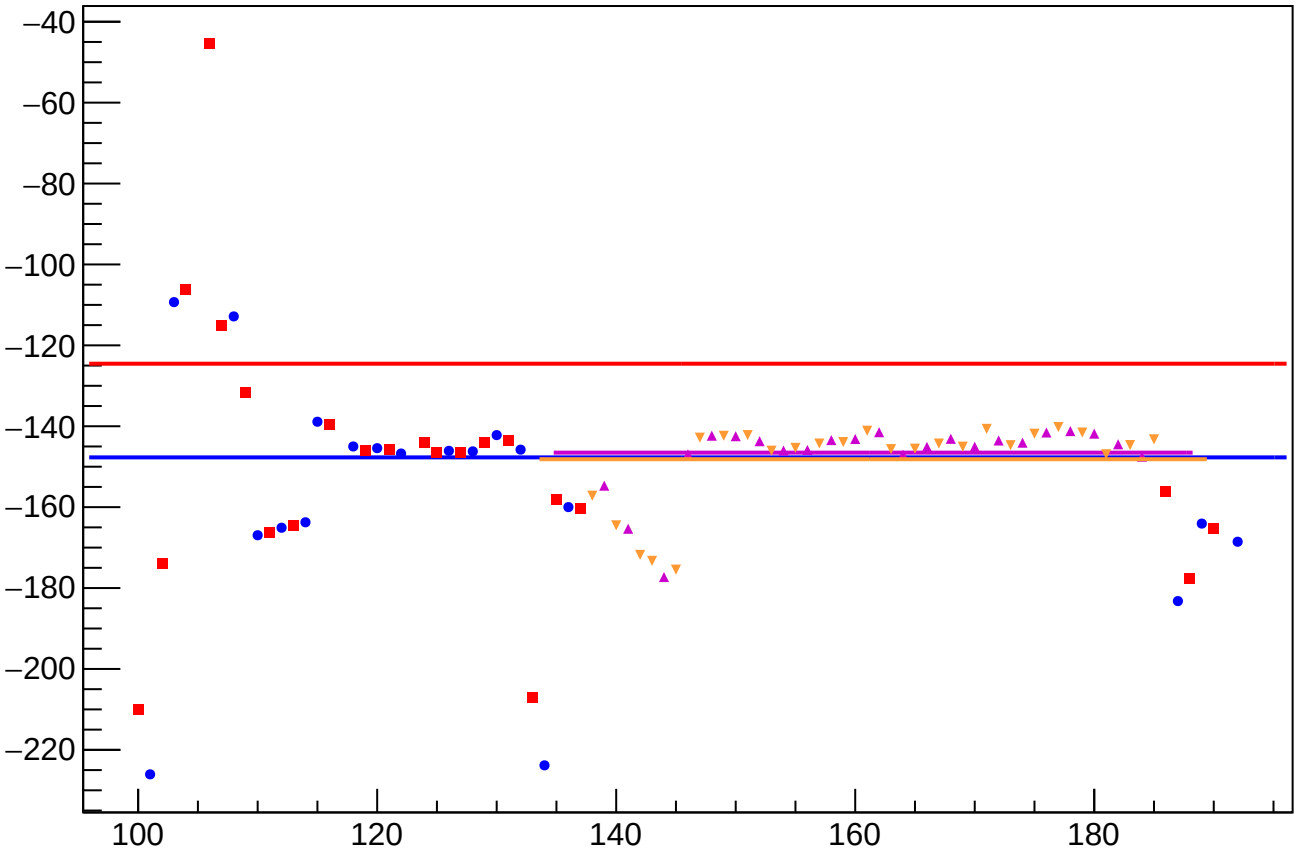
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 63.127+/-1.239 χ^2/NDF: 855.9/40

In: 75.726+/-0.875 χ^2/NDF:1185.6/41

Out: 72.288+/-0.839 χ^2/NDF:1582.0/46

All: 73.933+/-0.605 χ^2/NDF: 2775.7/88



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: -124.538+/-0.085 χ^2/NDF: 301244.2/21

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

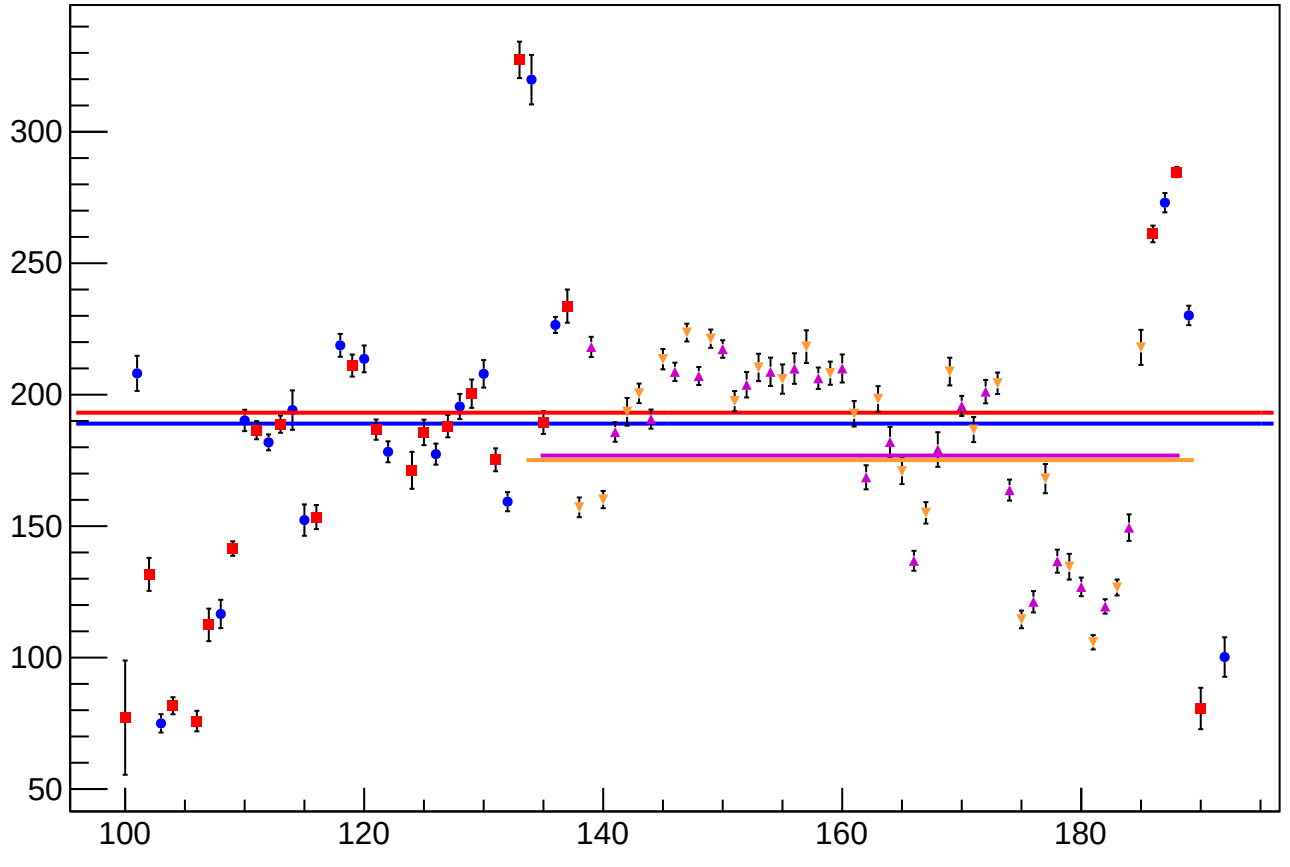
Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

Right: -135.046+/-0.063 χ^2/NDF: 473562.6/40

In: -146.749+/-0.041 χ^2/NDF:167860.7/41

Out: -142.954+/-0.040 χ^2/NDF:410473.2/46

All: -144.800+/-0.029 χ^2/NDF: 582751.0/88



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: 193.158+/-0.851 χ^2/NDF: 6183.1/21

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

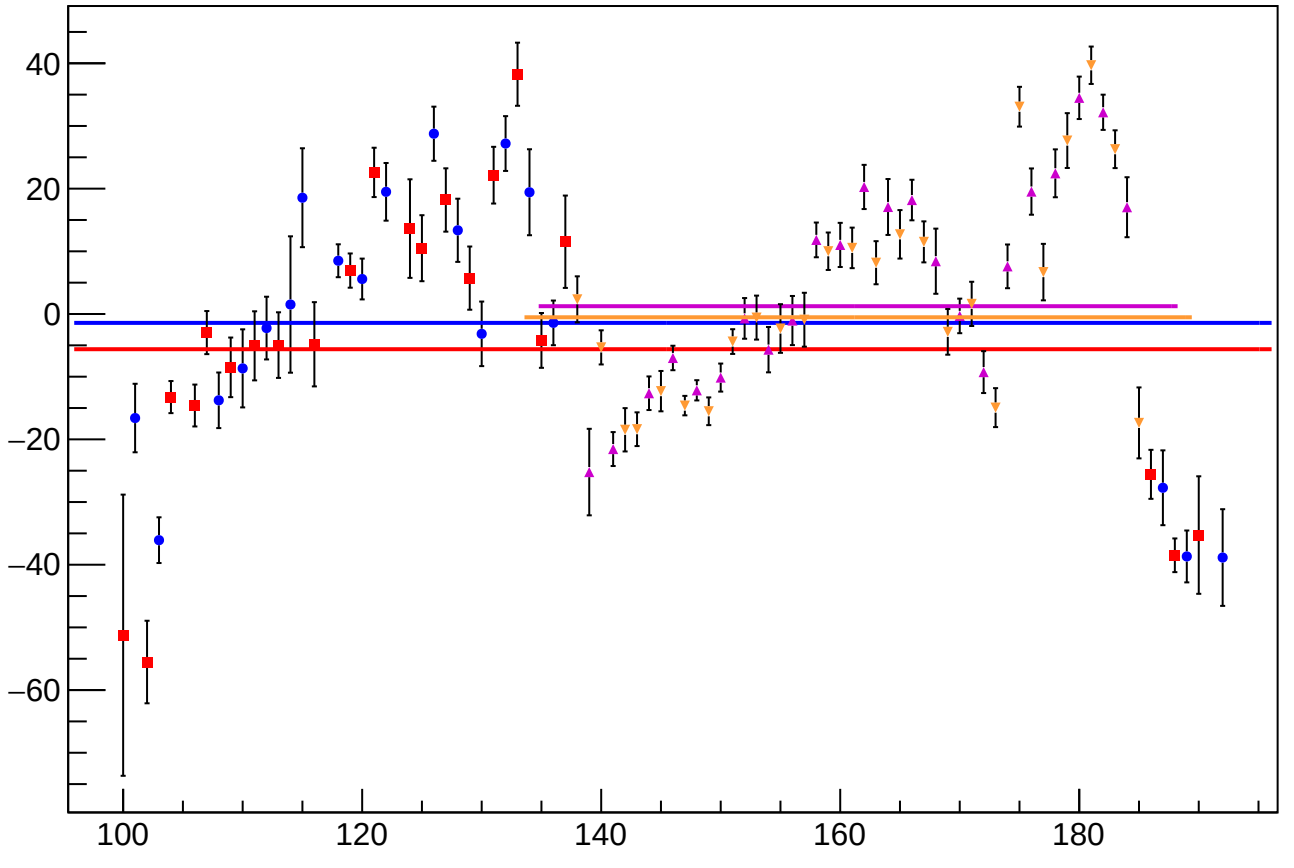
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 191.403+/-0.647 χ^2/NDF: 8782.2/40

In: 181.958+/-0.645 χ^2/NDF:4431.3/41

Out: 183.831+/-0.591 χ^2/NDF:8710.5/46

All: 182.976+/-0.436 χ^2/NDF: 13146.5/88



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: -5.618+/-0.916 χ^2/NDF: 498.6/21

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

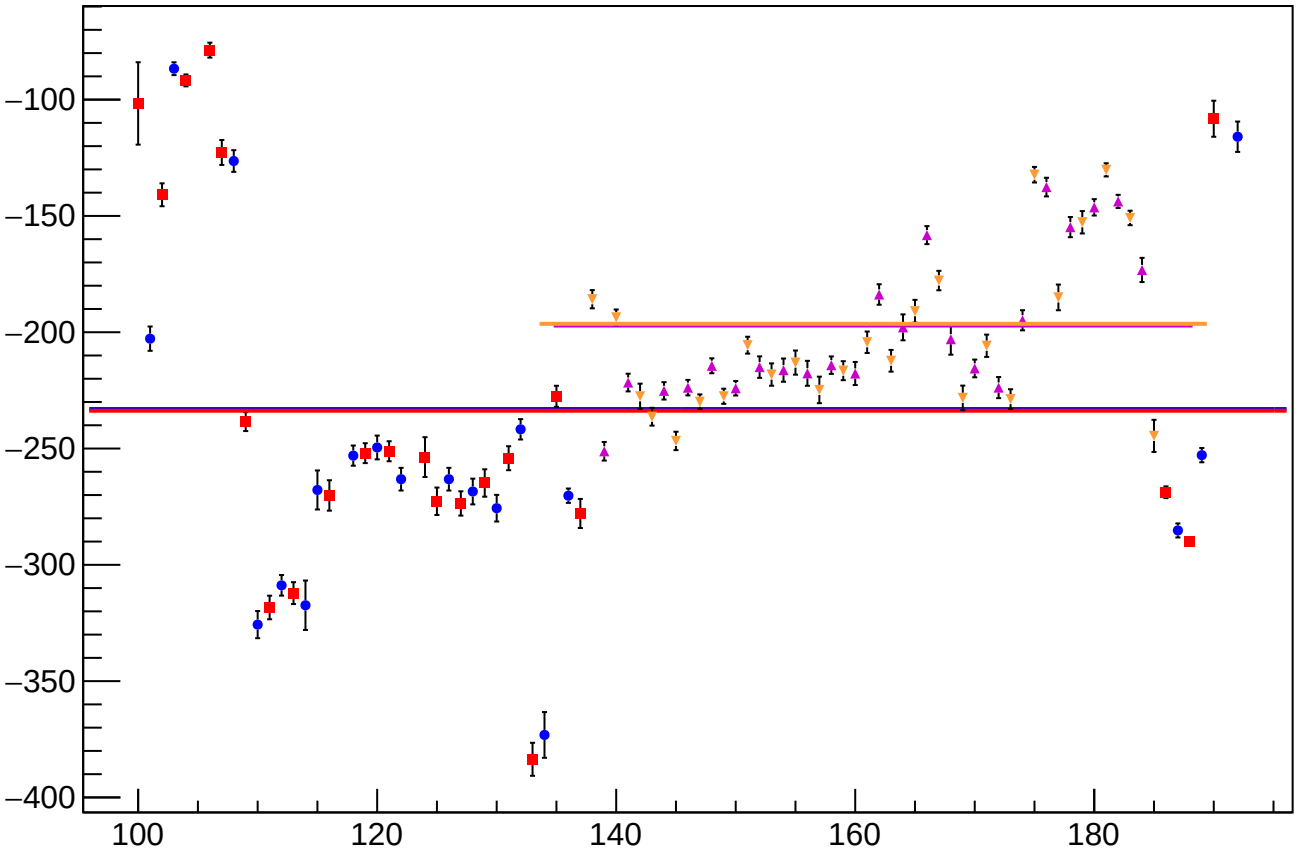
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -3.784+/-0.688 χ^2/NDF: 894.7/40

In: 0.538+/-0.536 χ^2/NDF:1012.3/41

Out: -2.055+/-0.502 χ^2/NDF:1244.7/46

All: -0.843+/-0.367 χ^2/NDF: 2269.4/88



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: -233.738+/-0.835 χ^2/NDF: 9289.7/21

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

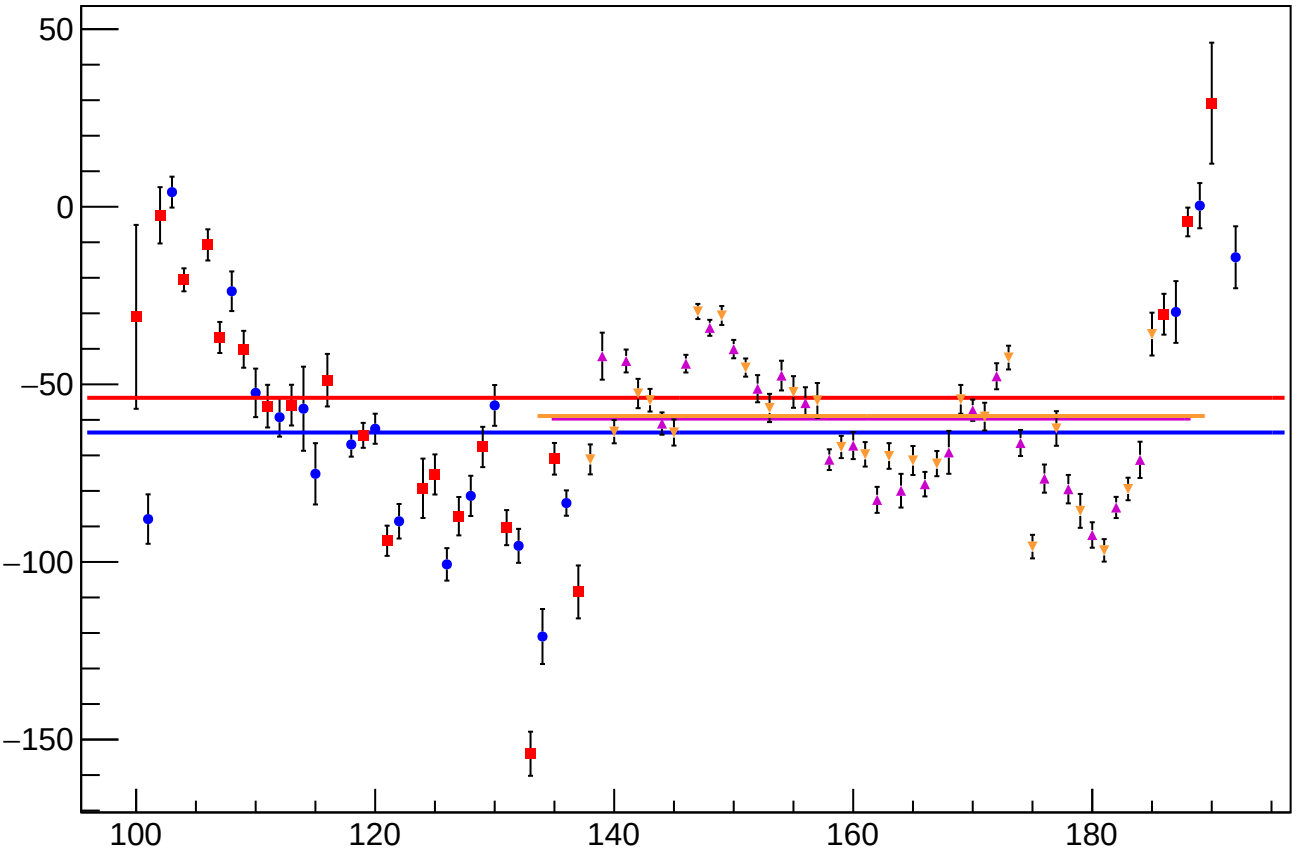
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -233.455+/-0.646 χ^2/NDF: 14526.5/40

In: -211.593+/-0.647 χ^2/NDF:7579.7/41

Out: -214.621+/-0.584 χ^2/NDF:12311.5/46

All: -213.262+/-0.433 χ^2/NDF: 19903.2/88



Right In: -63.559+/-1.228 χ^2/NDF: 693.6/18

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -53.787+/-1.112 χ^2/NDF: 1007.8/21

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

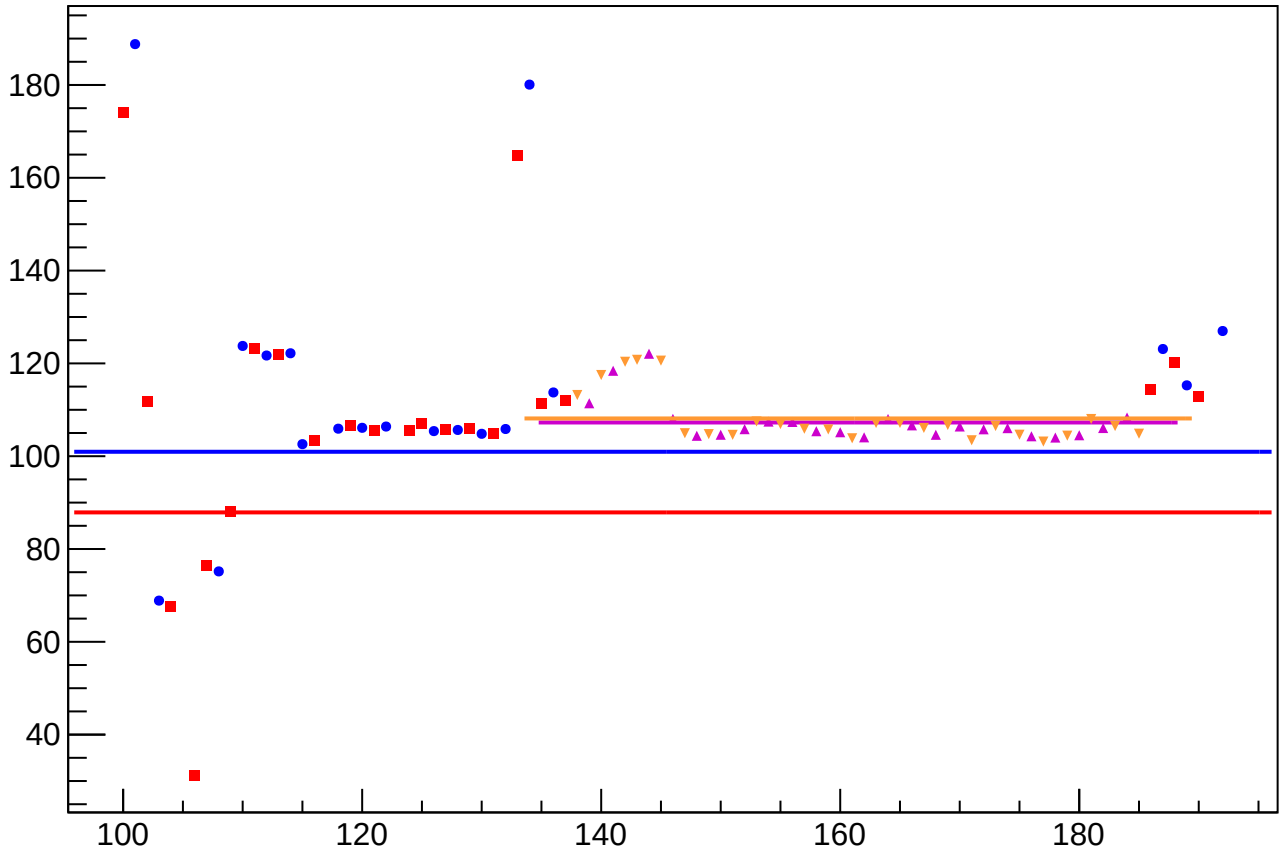
Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

Right: -58.192+/-0.824 χ^2/NDF: 1736.2/40

In: -60.637+/-0.620 χ^2/NDF:1298.3/41

Out: -57.472+/-0.589 χ^2/NDF:1805.5/46

All: -58.974+/-0.427 χ^2/NDF: 3117.5/88



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: 87.888+/-0.058 χ^2/NDF: 300214.2/21

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

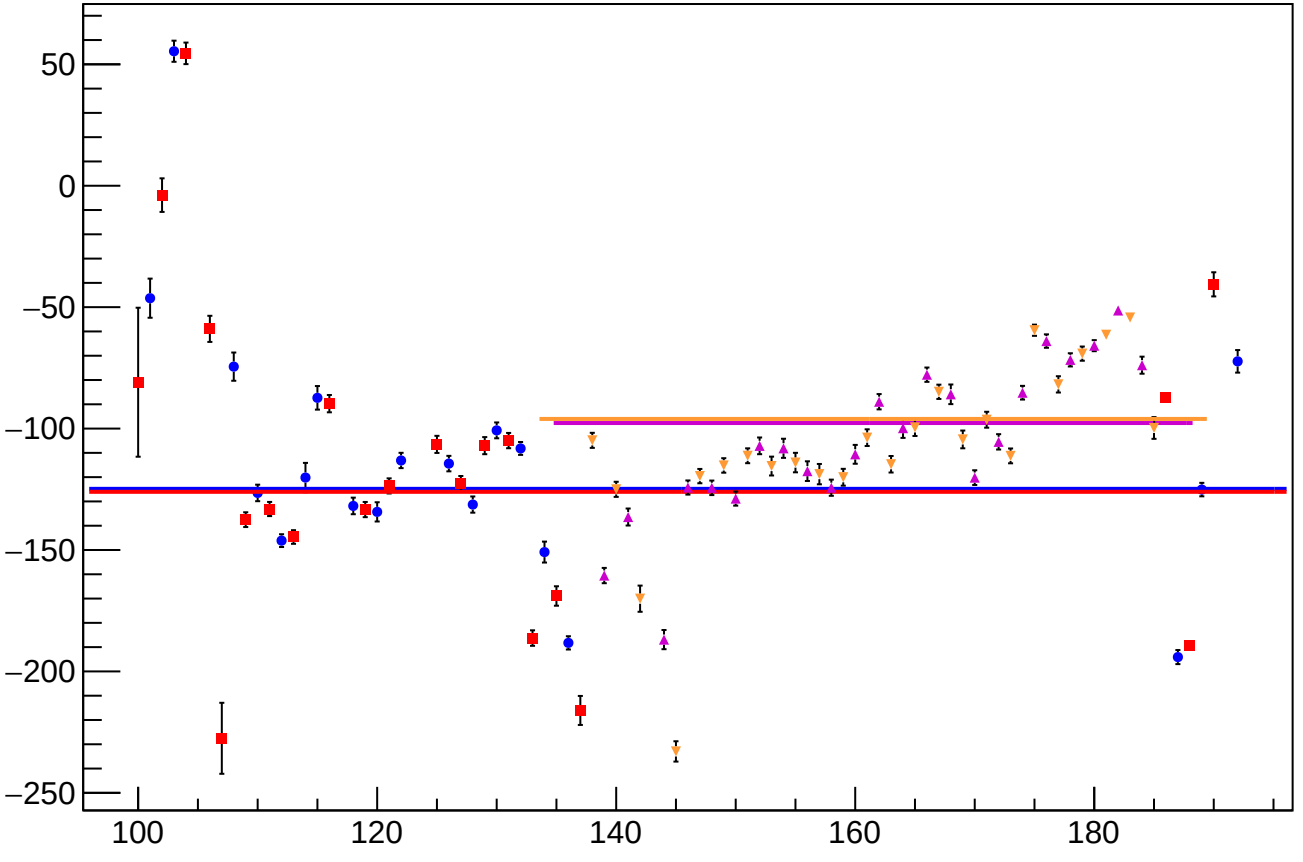
Right: 93.900+/-0.042 χ^2/NDF: 567098.2/40

In: 105.894+/-0.029 χ^2/NDF:268045.6/41

Out: 103.247+/-0.028 χ^2/NDF:420625.5/46

All: 104.534+/-0.020 χ^2/NDF: 692937.9/88

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -126.041+/-0.692 χ^2/NDF: 5509.7/20

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

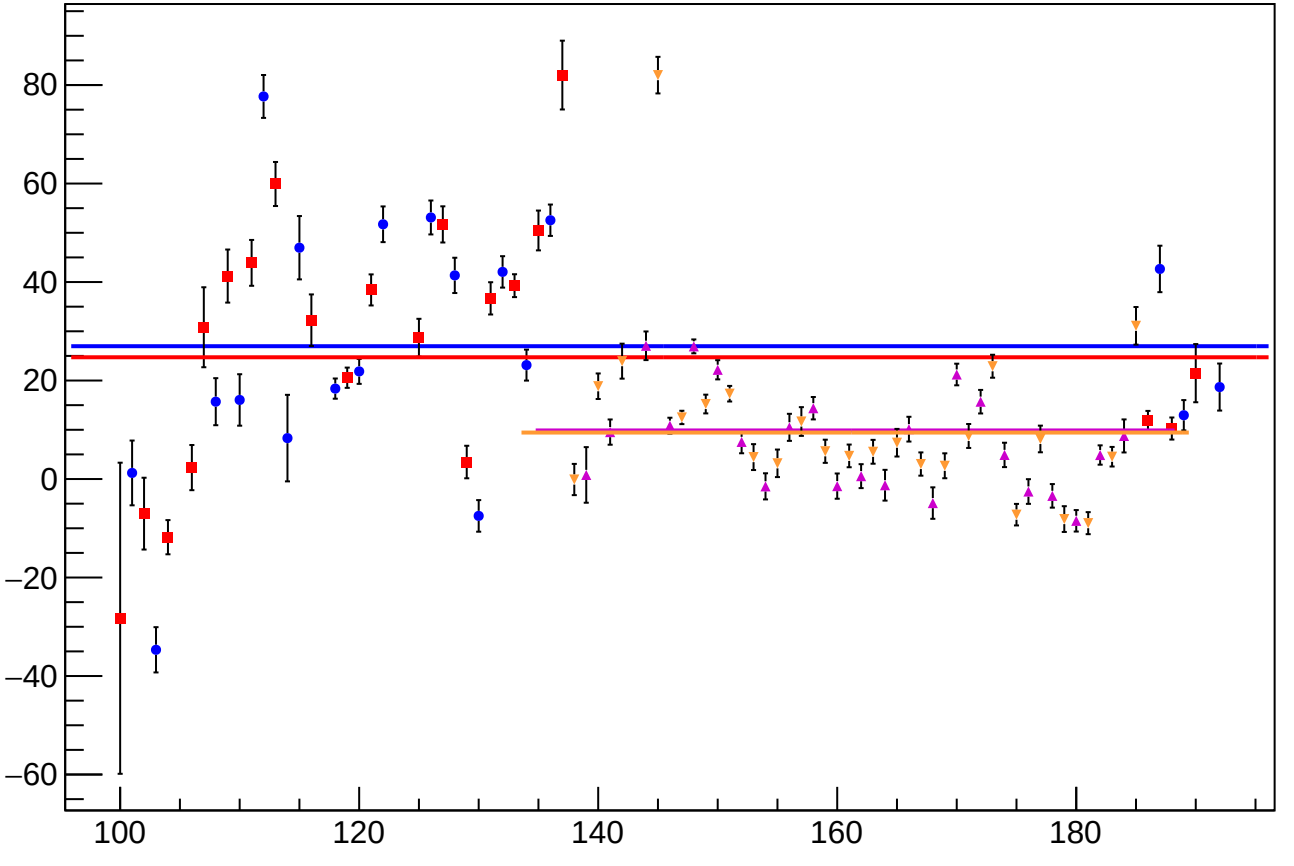
Right: -125.518+/-0.524 χ^2/NDF: 8928.0/39

In: -108.234+/-0.499 χ^2/NDF:6757.1/41

Out: -109.747+/-0.468 χ^2/NDF:9302.4/44

All: -109.040+/-0.341 χ^2/NDF: 16064.4/86

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: 24.724+/-0.760 χ^2/NDF: 609.3/20

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

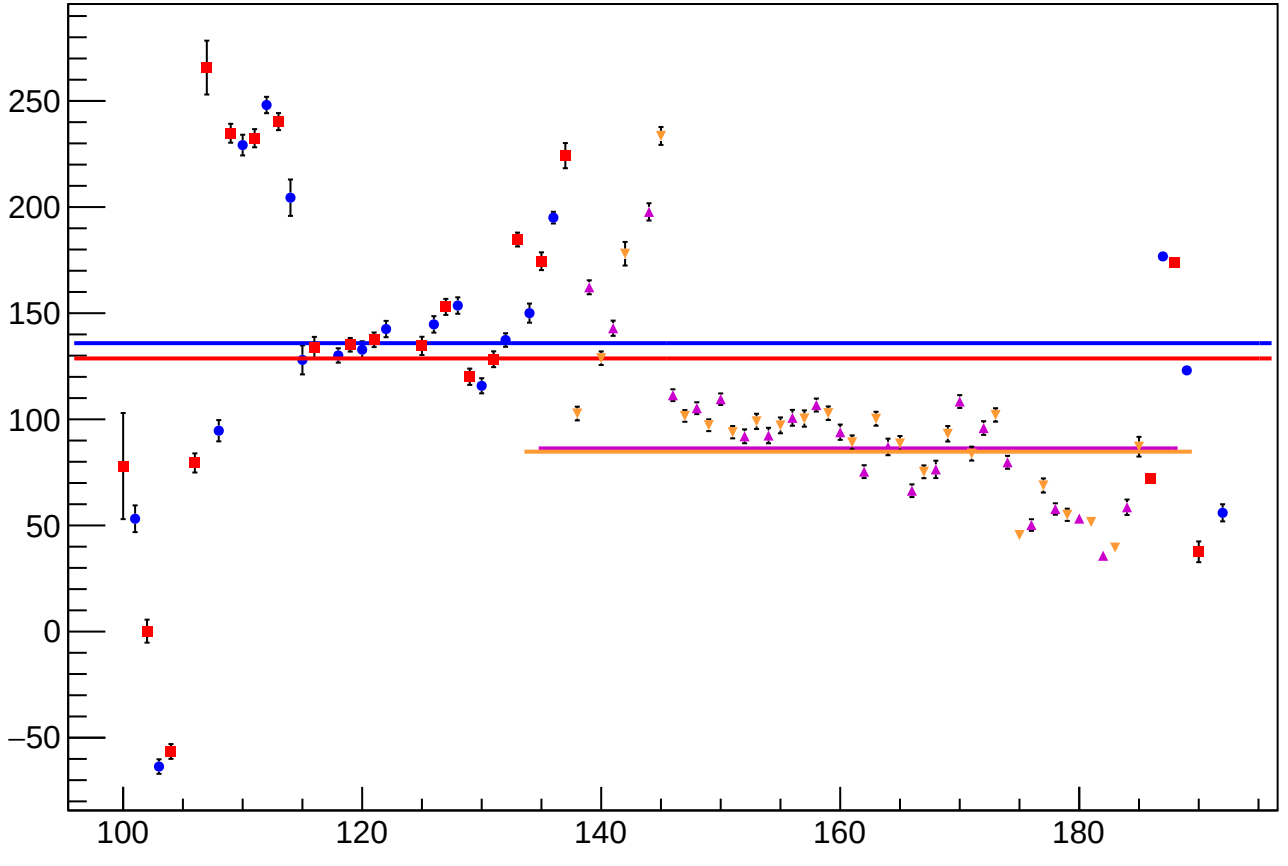
Right: 25.752+/-0.559 χ^2/NDF: 1348.9/39

In: 14.264+/-0.419 χ^2/NDF:1538.8/41

Out: 13.774+/-0.405 χ^2/NDF:1635.8/44

All: 14.010+/-0.291 χ^2/NDF: 3175.3/86

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: 128.681+/-0.674 χ^2/NDF: 9626.8/20

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

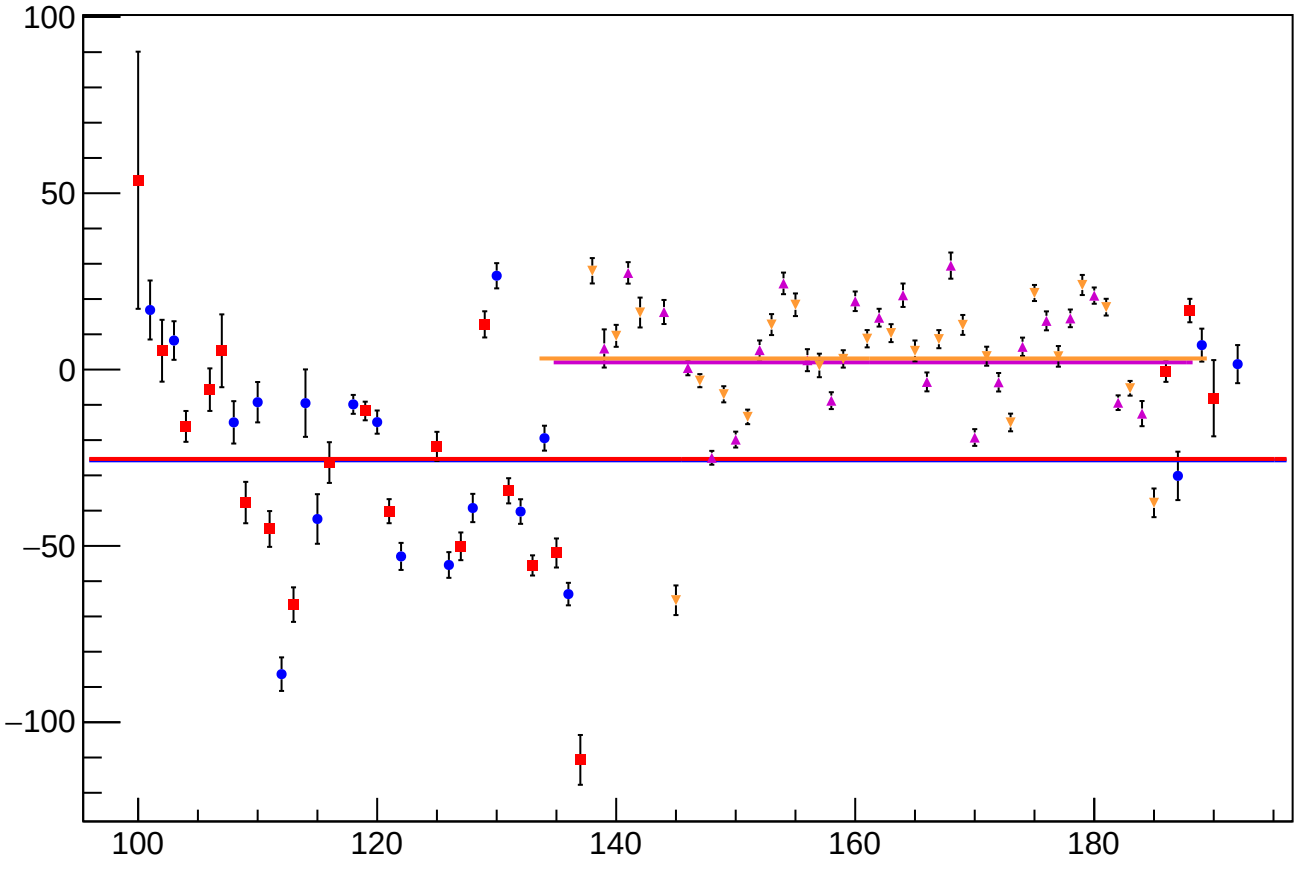
Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

Right: 131.505+/-0.525 χ^2/NDF: 15850.6/39

In: 104.244+/-0.505 χ^2/NDF:11560.5/41

Out: 105.206+/-0.460 χ^2/NDF:15006.2/44

All: 104.770+/-0.340 χ^2/NDF: 26568.6/86



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: -25.341+/-0.929 χ^2/NDF: 860.9/20

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

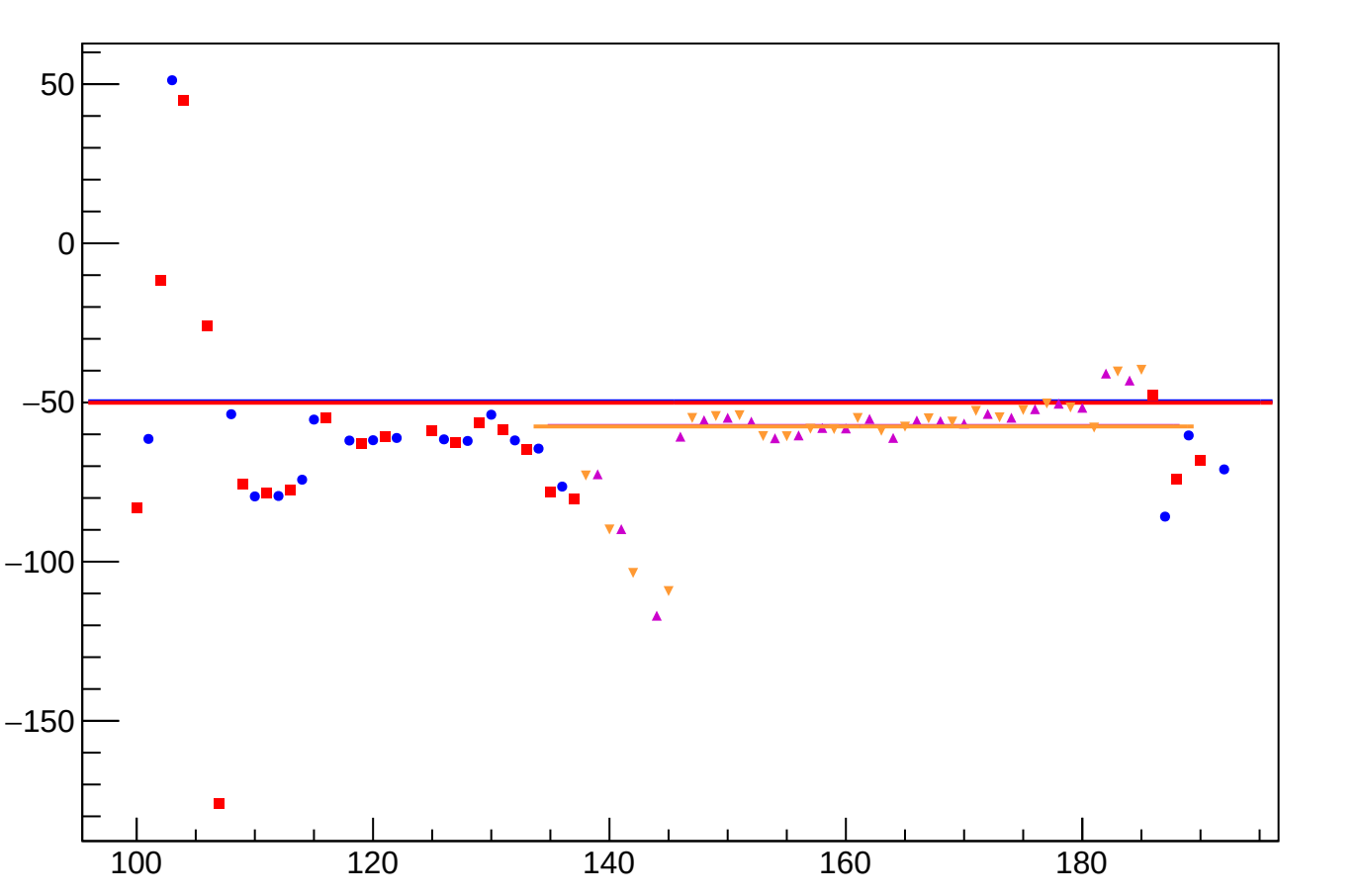
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -25.527+/-0.672 χ^2/NDF: 1732.7/39

In: -4.706+/-0.479 χ^2/NDF:2340.7/41

Out: -4.119+/-0.469 χ^2/NDF:2375.4/44

All: -4.406+/-0.335 χ^2/NDF: 4716.9/86



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: -50.074+/-0.056 χ^2/NDF: 521592.4/20

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

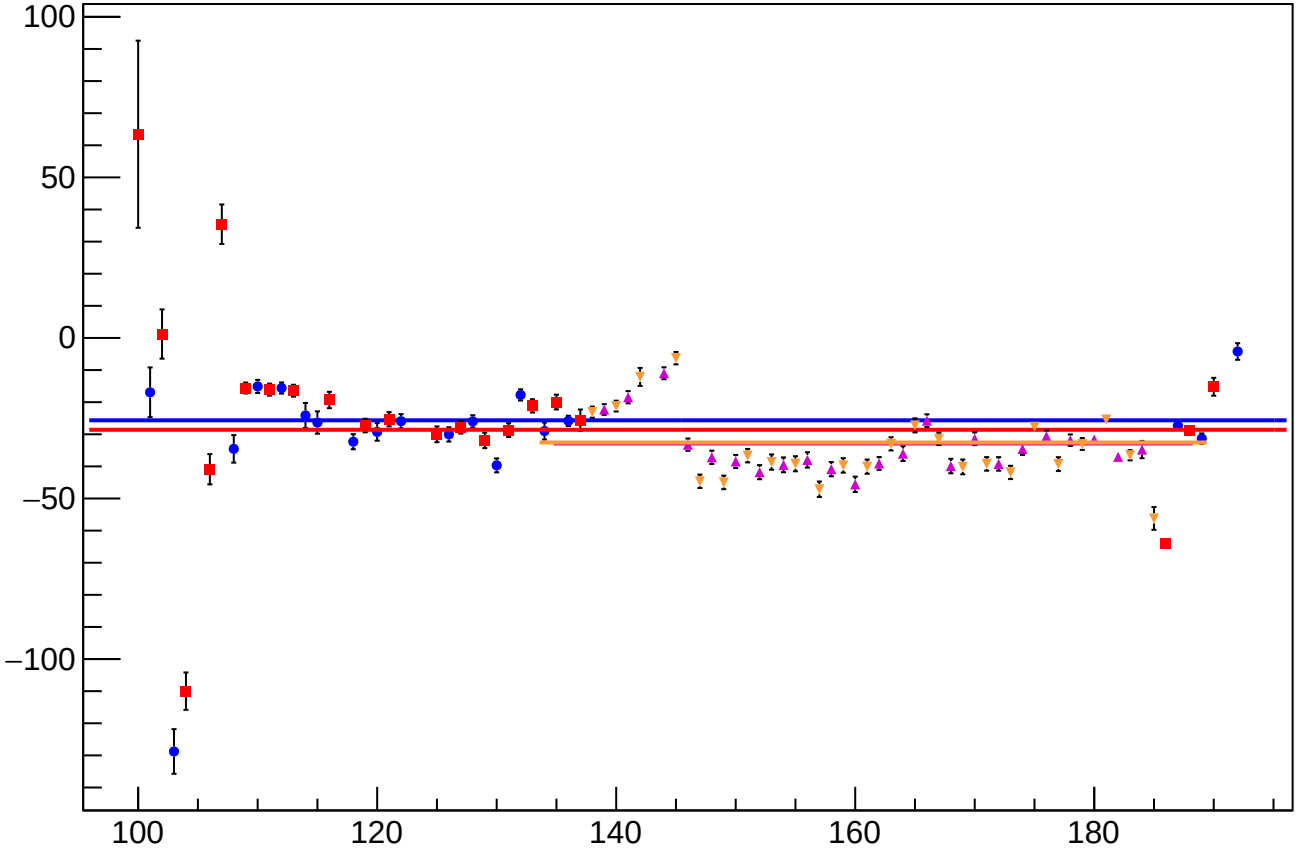
Right: -49.839+/-0.039 χ^2/NDF: 1130002.1/39

In: -56.031+/-0.023 χ^2/NDF:852550.4/41

Out: -56.301+/-0.023 χ^2/NDF:803591.0/44

All: -56.165+/-0.016 χ^2/NDF: 1656213.0/86

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: -28.596+/-0.448 χ^2/NDF: 1173.1/20

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

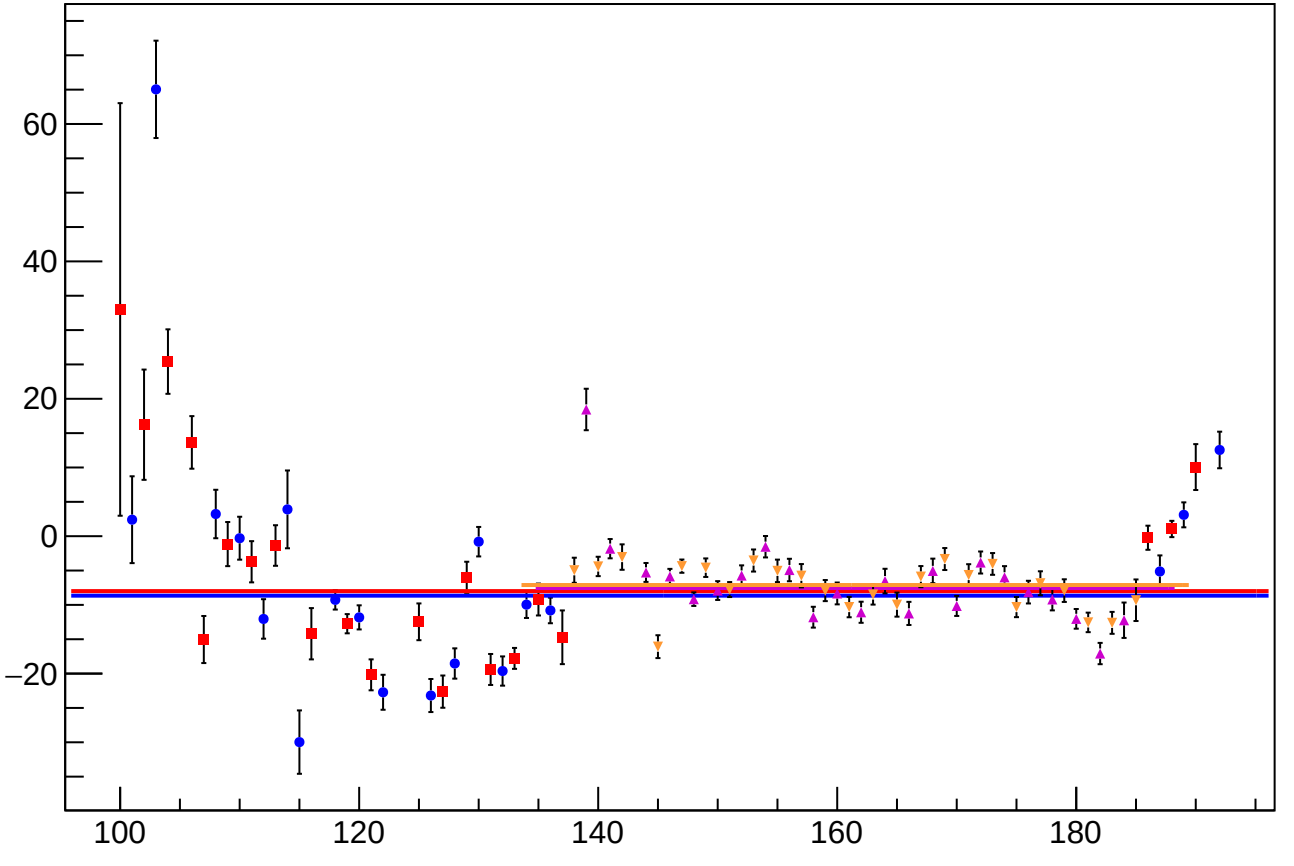
Right: -27.302+/-0.336 χ^2/NDF: 1637.3/39

In: -30.002+/-0.319 χ^2/NDF:940.7/41

Out: -30.765+/-0.301 χ^2/NDF:1819.3/44

All: -30.406+/-0.219 χ^2/NDF: 2763.1/86

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: -7.993+/-0.510 χ^2/NDF: 372.7/20

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

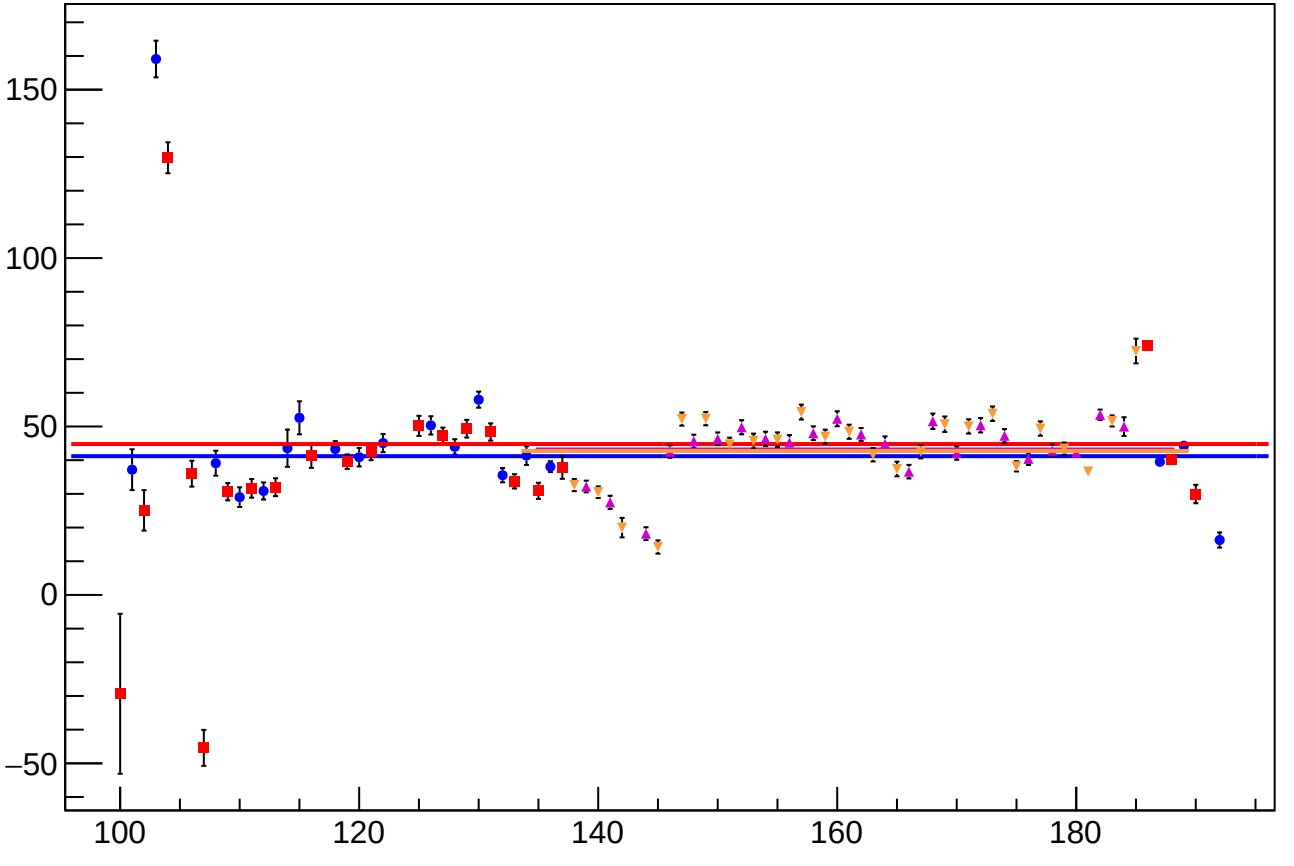
Right: -8.305+/-0.372 χ^2/NDF: 770.8/39

In: -7.827+/-0.272 χ^2/NDF:600.2/41

Out: -7.347+/-0.264 χ^2/NDF:484.4/44

All: -7.580+/-0.190 χ^2/NDF: 1086.1/86

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: 44.791+/-0.438 χ^2/NDF: 1560.9/20

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

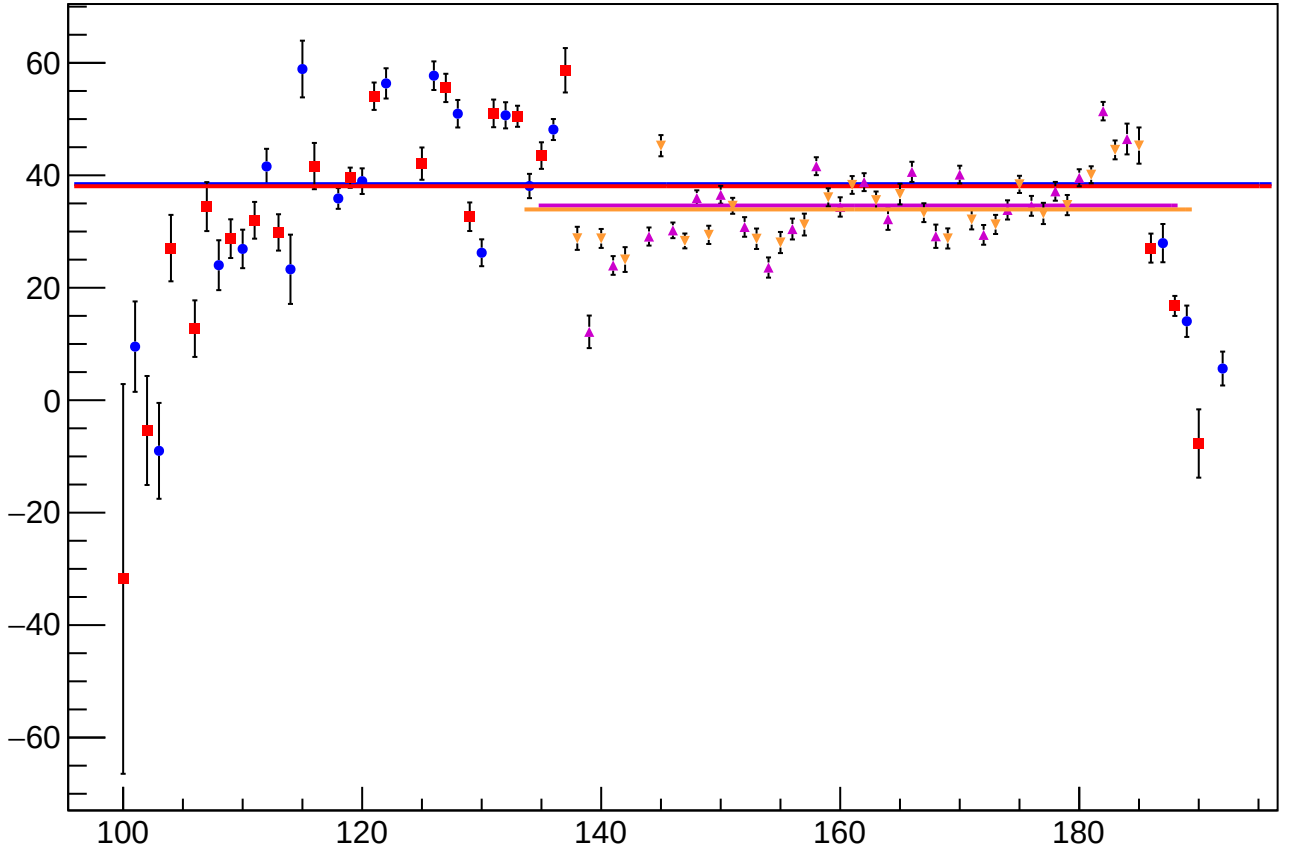
Right: 43.309+/-0.336 χ^2/NDF: 2303.1/39

In: 42.424+/-0.321 χ^2/NDF:1136.3/41

Out: 43.683+/-0.297 χ^2/NDF:2204.2/44

All: 43.104+/-0.218 χ^2/NDF: 3348.8/86

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: 38.057+/-0.624 χ^2/NDF: 492.8/20

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

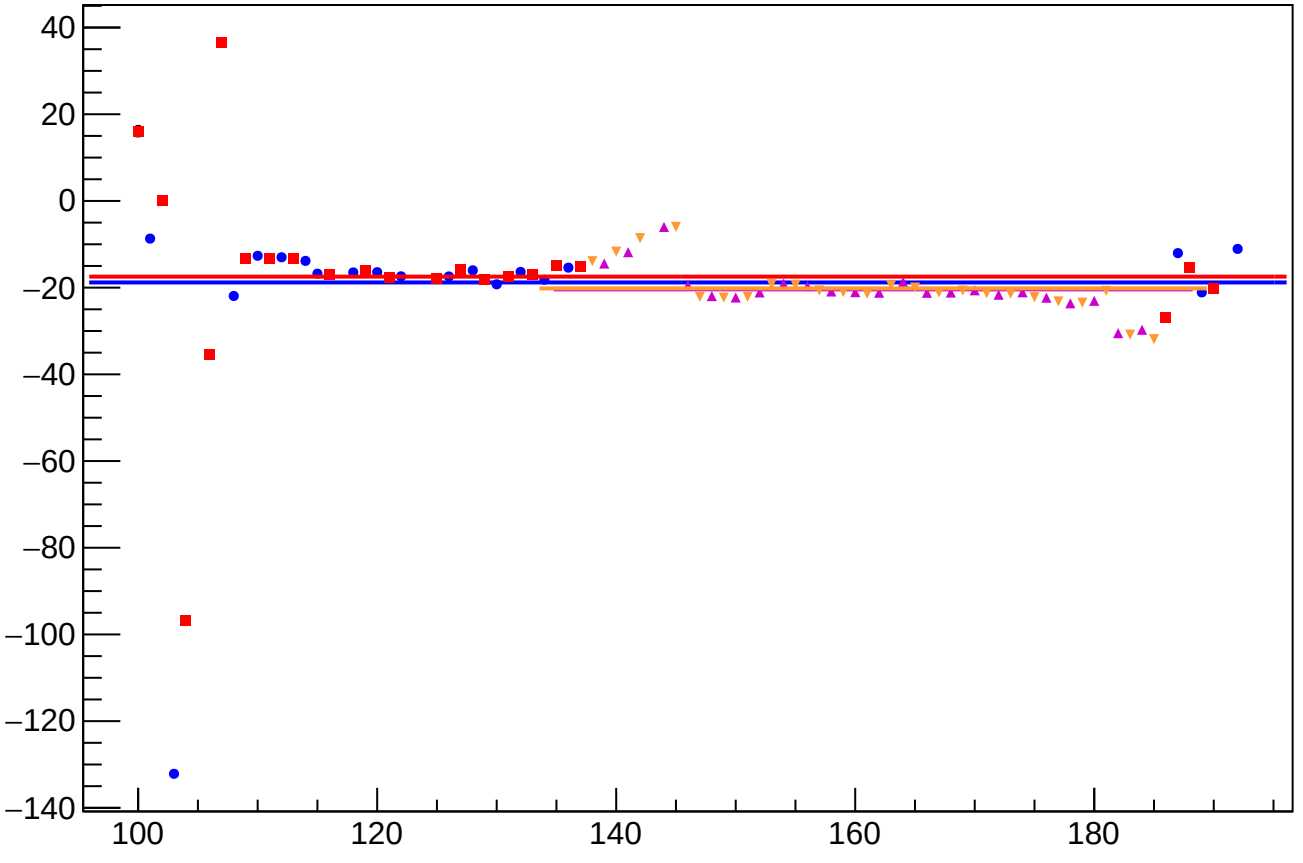
Right: 38.238+/-0.446 χ^2/NDF: 997.6/39

In: 35.529+/-0.311 χ^2/NDF:907.8/41

Out: 34.920+/-0.306 χ^2/NDF:742.5/44

All: 35.220+/-0.218 χ^2/NDF: 1652.3/86

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: -17.462+/-0.038 χ^2/NDF: 207920.7/20

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

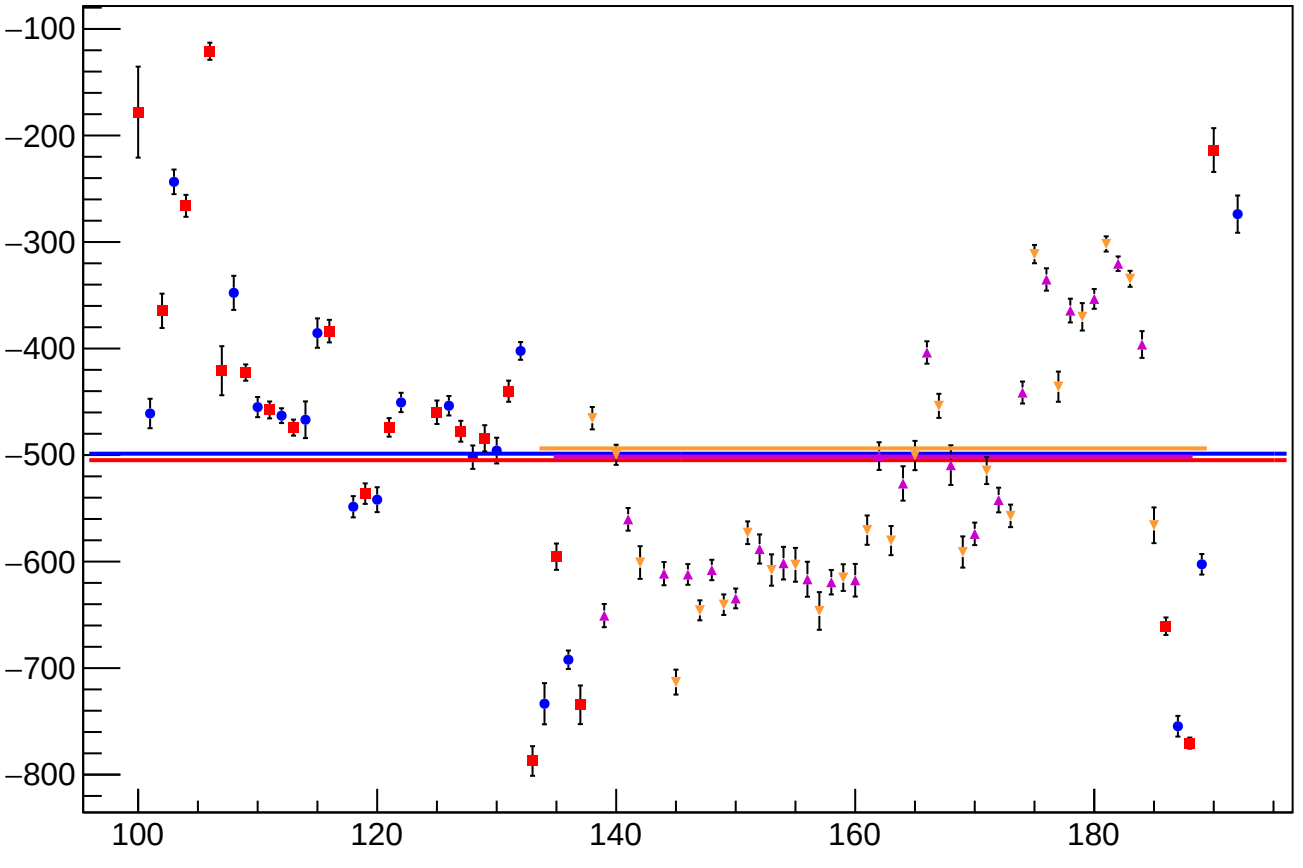
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

Right: -18.171+/-0.026 χ^2/NDF: 463831.9/39

In: -20.141+/-0.014 χ^2/NDF:338051.9/41

Out: -19.781+/-0.015 χ^2/NDF:312150.6/44

All: -19.962+/-0.010 χ^2/NDF: 650509.6/86



Right In: -498.710+/-2.434 χ^2/NDF: 2552.7/18

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -504.792+/-2.135 χ^2/NDF: 7184.3/20

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

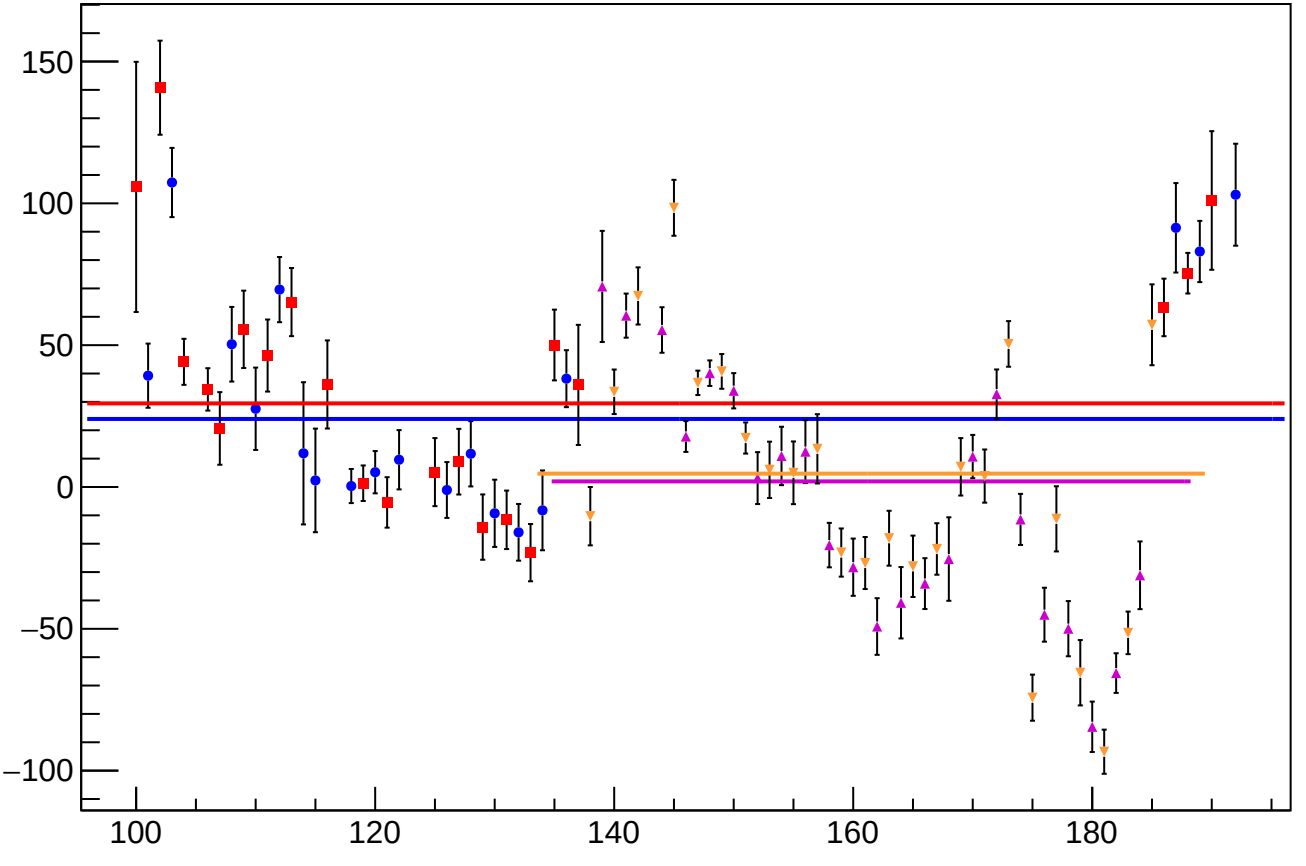
Right: -502.147+/-1.605 χ^2/NDF: 9740.6/39

In: -500.140+/-1.674 χ^2/NDF:5242.7/41

Out: -499.657+/-1.563 χ^2/NDF:10346.8/44

All: -499.882+/-1.142 χ^2/NDF: 15589.5/86

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: 29.477+/-2.326 χ^2/NDF: 230.5/20

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

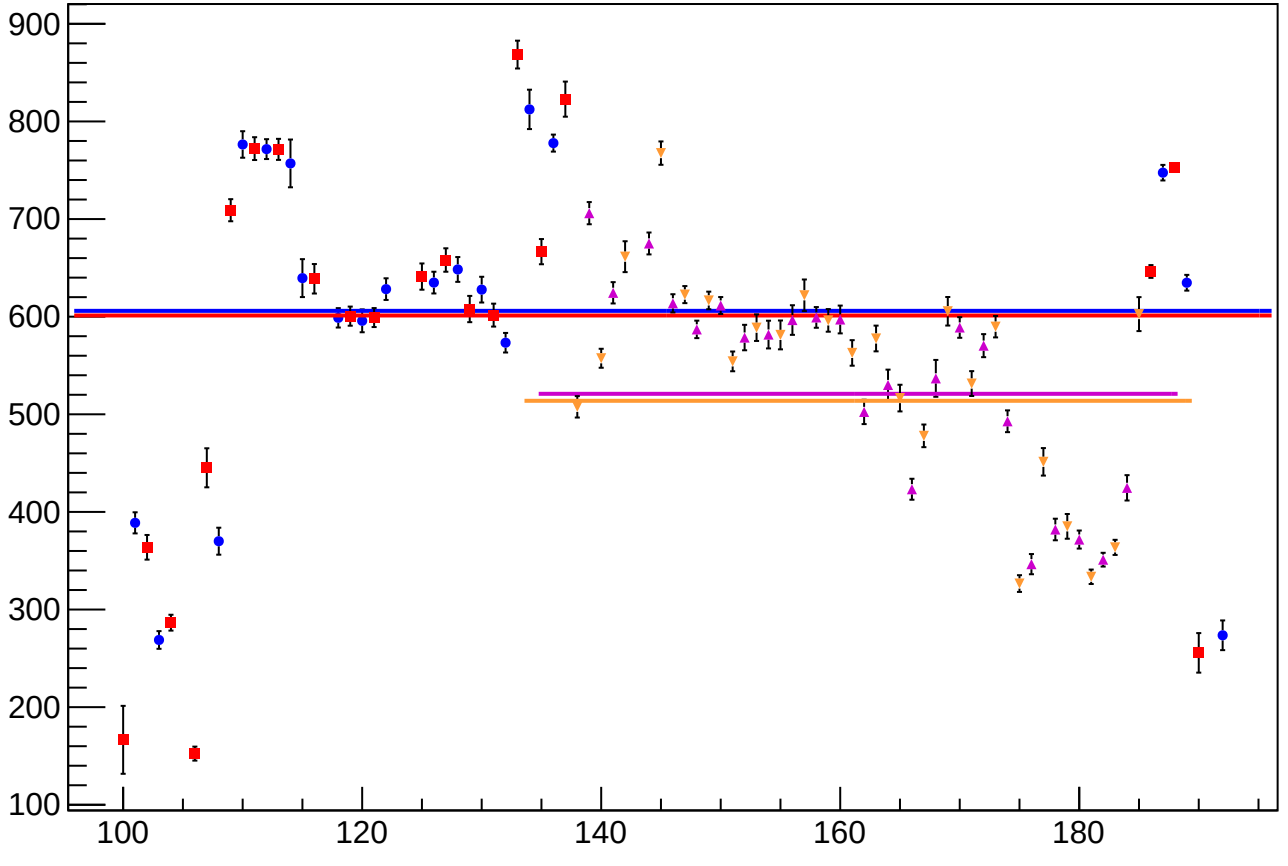
Right: 26.949+/-1.709 χ^2/NDF: 432.9/39

In: 8.982+/-1.421 χ^2/NDF:812.7/41

Out: 13.306+/-1.370 χ^2/NDF:984.8/44

All: 11.223+/-0.986 χ^2/NDF: 1802.4/86

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: 601.227+/-2.149 χ^2/NDF: 8786.1/20

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

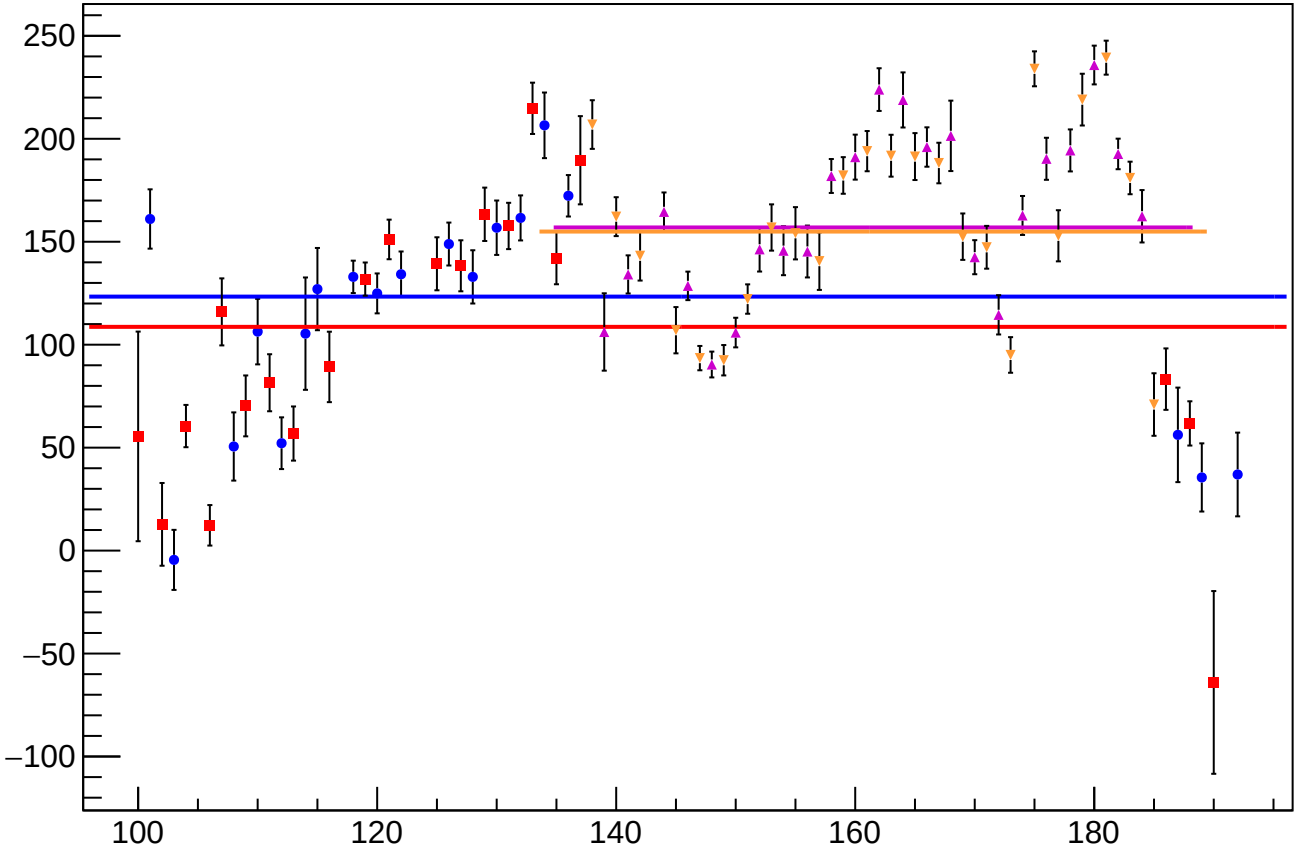
Right: 603.185+/-1.647 χ^2/NDF: 12665.9/39

In: 558.552+/-1.706 χ^2/NDF:6932.9/41

Out: 560.054+/-1.563 χ^2/NDF:12300.8/44

All: 559.369+/-1.152 χ^2/NDF: 19234.1/86

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: 108.664+/-2.811 χ^2/NDF: 376.3/20

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

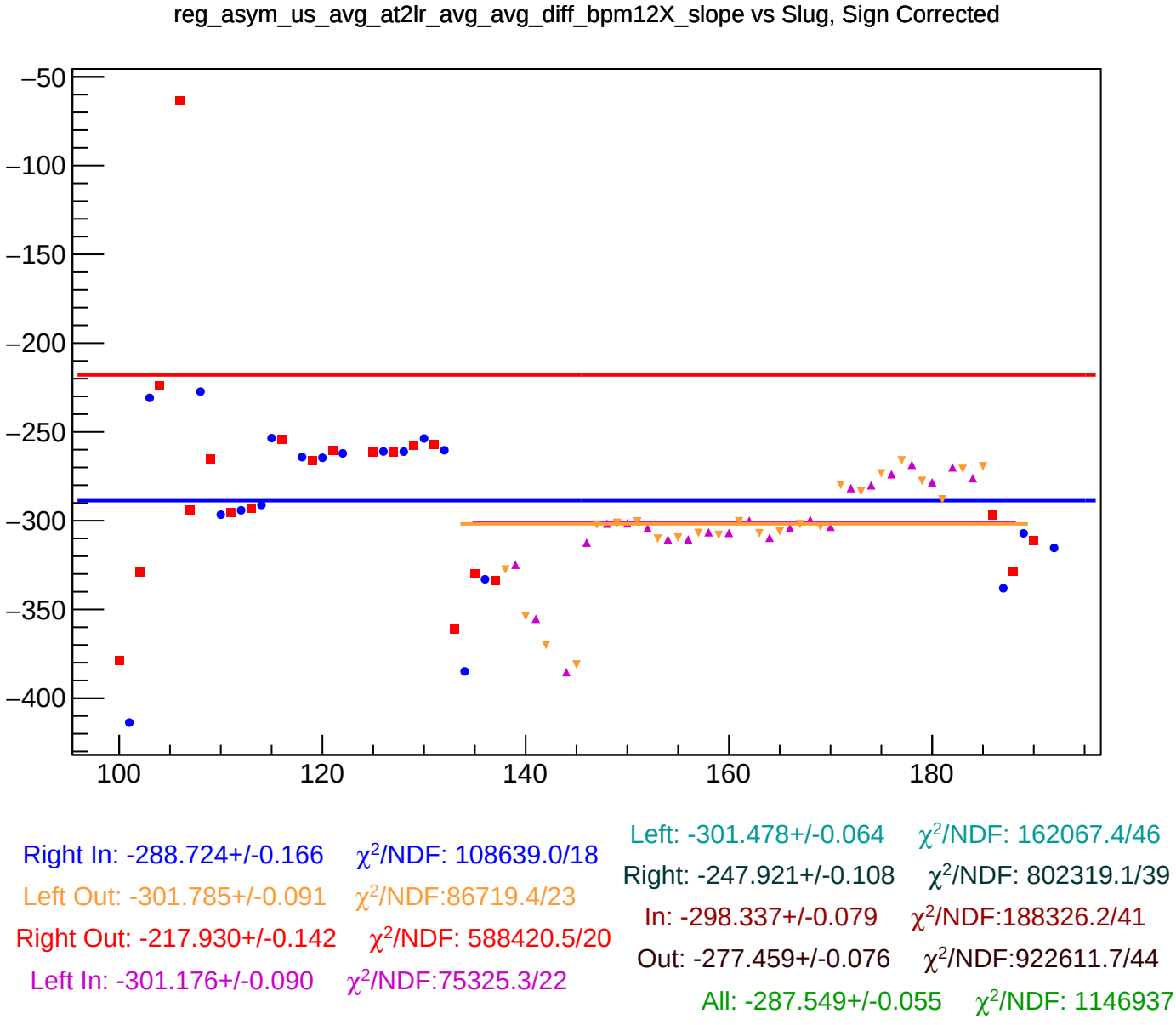
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 115.603+/-2.042 χ^2/NDF: 659.3/39

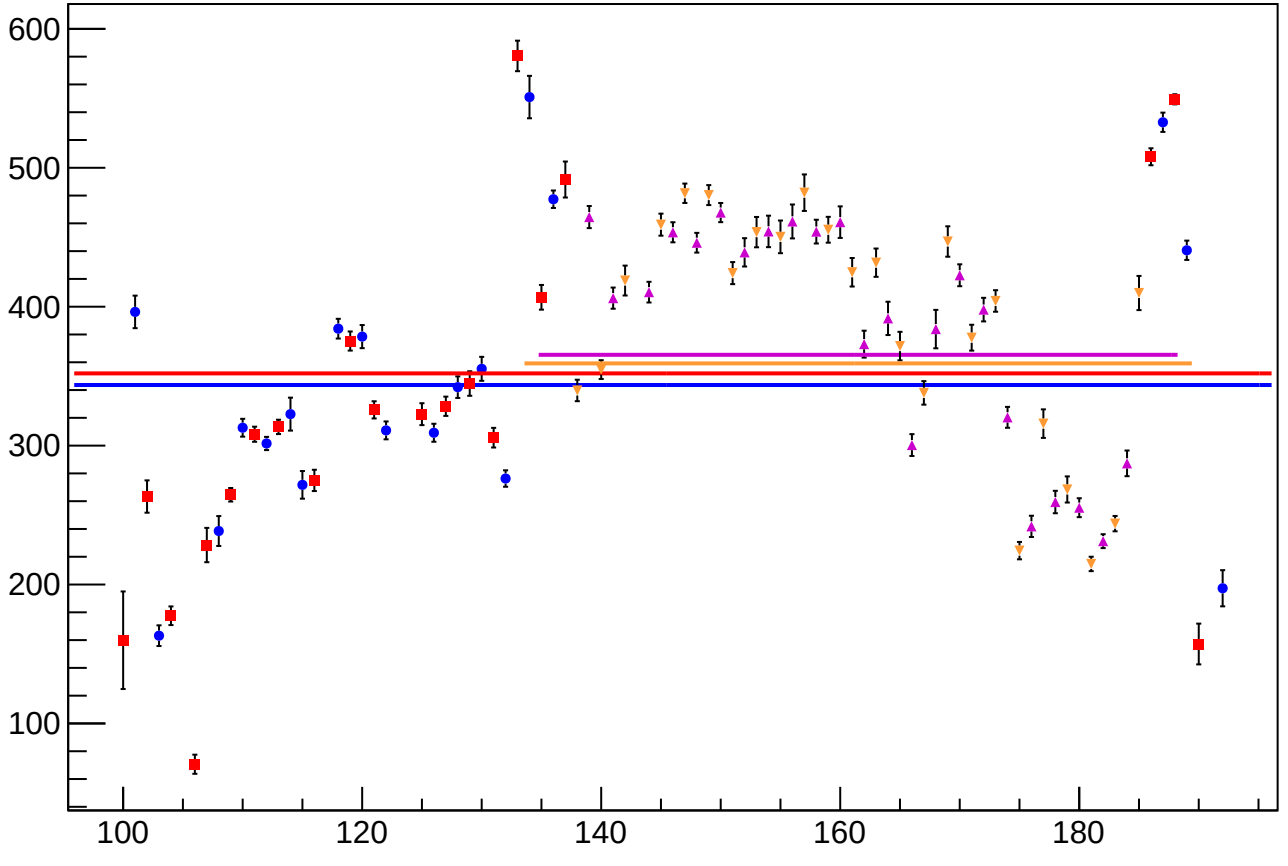
In: 146.668+/-1.642 χ^2/NDF:802.0/41

Out: 139.876+/-1.604 χ^2/NDF:1168.1/44

All: 143.191+/-1.148 χ^2/NDF: 1978.8/86


reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
100
120
140
160
180
Right In: -288.724+/-0.166 χ²/NDF: 108639.0/18
Left Out: -301.785+/-0.091 χ²/NDF:86719.4/23
Right Out: -217.930+/-0.142 χ²/NDF: 588420.5/20
Left In: -301.176+/-0.090 χ²/NDF:75325.3/22
Left: -301.478+/-0.064 χ²/NDF: 162067.4/46
Right: -247.921+/-0.108 χ²/NDF: 802319.1/39
In: -298.337+/-0.079 χ²/NDF:188326.2/41
Out: -277.459+/-0.076 χ²/NDF:922611.7/44
All: -287.549+/-0.055 χ²/NDF: 1146937.9/86

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: 351.993+/-1.509 χ^2/NDF: 7513.8/20

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

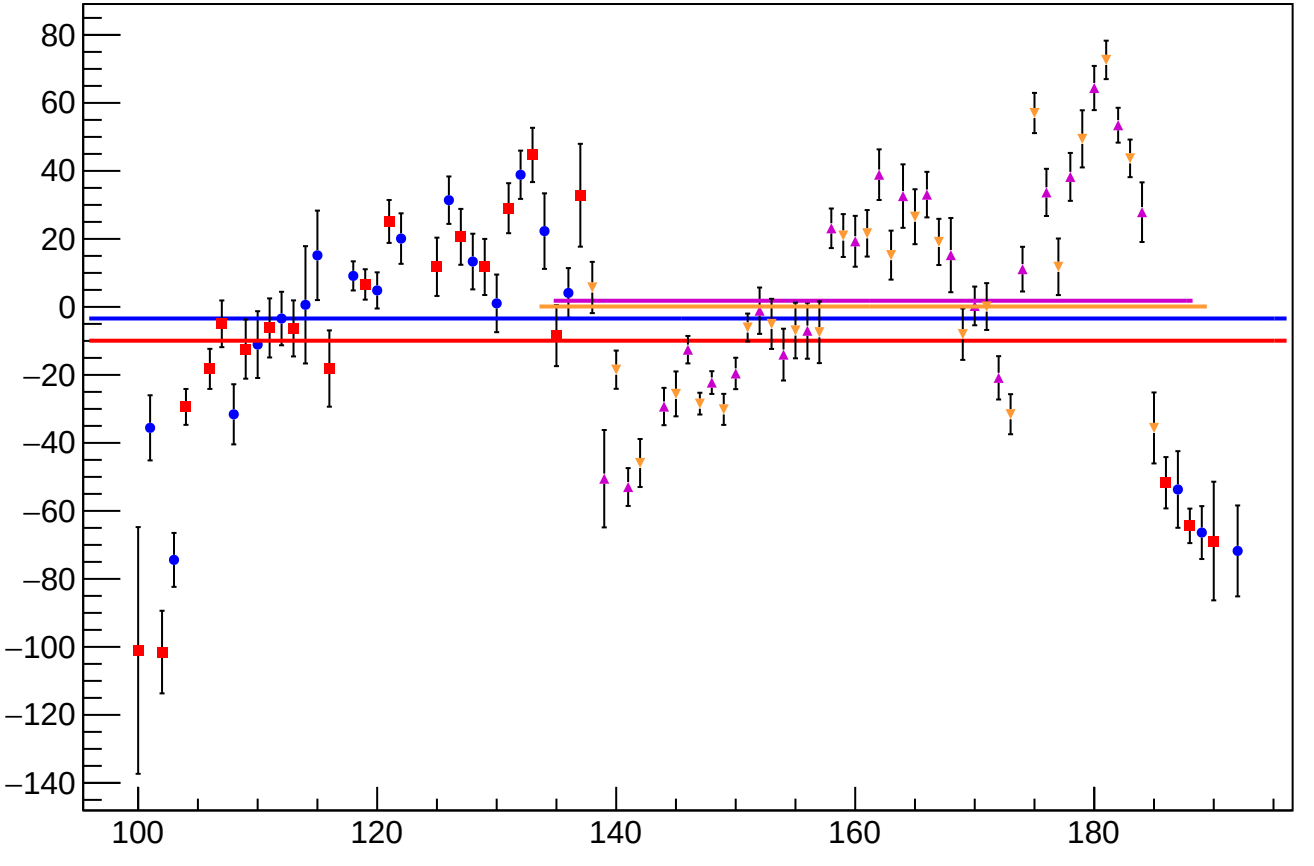
Right: 348.359+/-1.135 χ^2/NDF: 10323.4/39

In: 354.682+/-1.207 χ^2/NDF:5616.8/41

Out: 355.204+/-1.123 χ^2/NDF:10711.8/44

All: 354.962+/-0.822 χ^2/NDF: 16328.7/86

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: -9.941+/-1.641 χ^2/NDF: 392.2/20

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

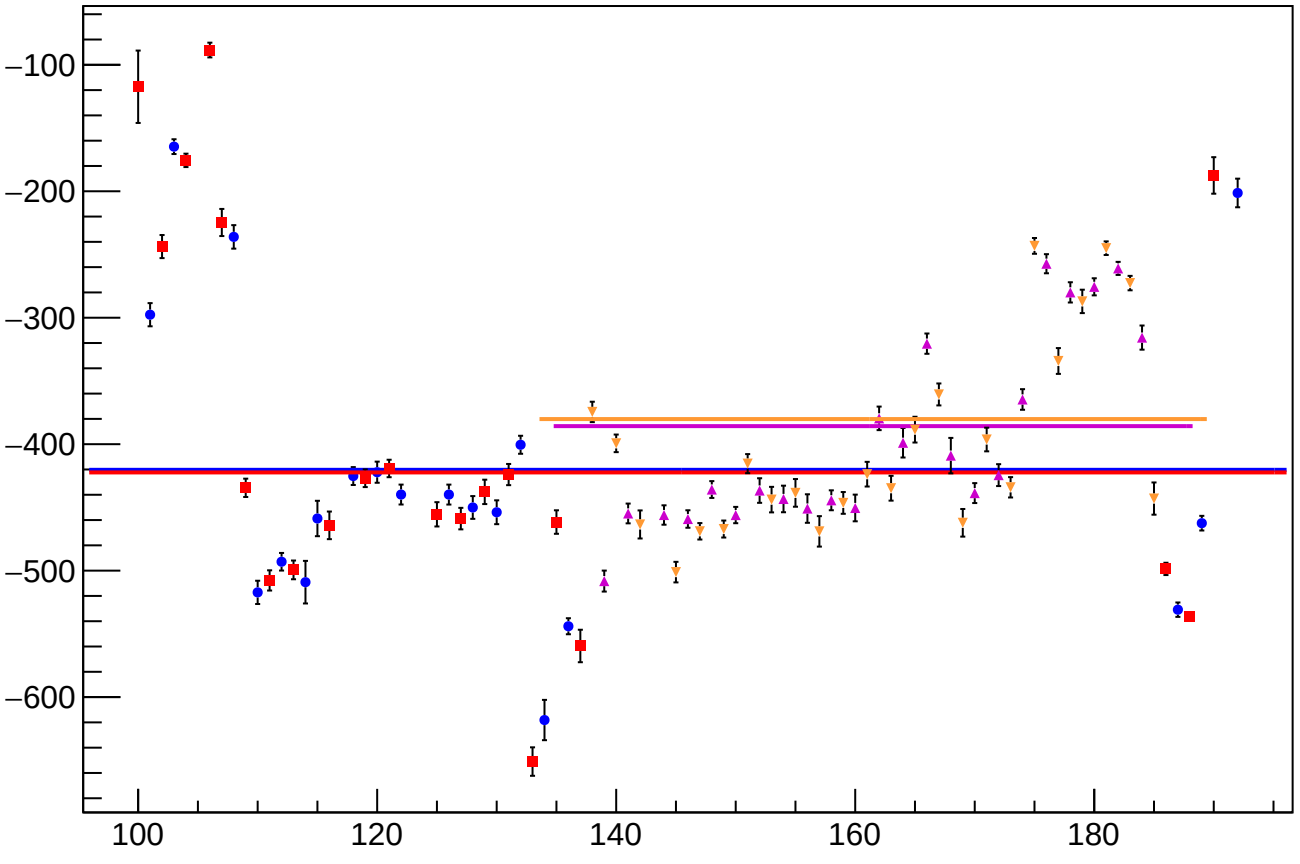
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -6.973+/-1.212 χ^2/NDF: 707.3/39

In: 0.080+/-1.036 χ^2/NDF:890.6/41

Out: -3.566+/-0.993 χ^2/NDF:1053.9/44

All: -1.820+/-0.717 χ^2/NDF: 1950.9/86



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: -422.340+/-1.528 χ^2/NDF: 9138.7/20

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

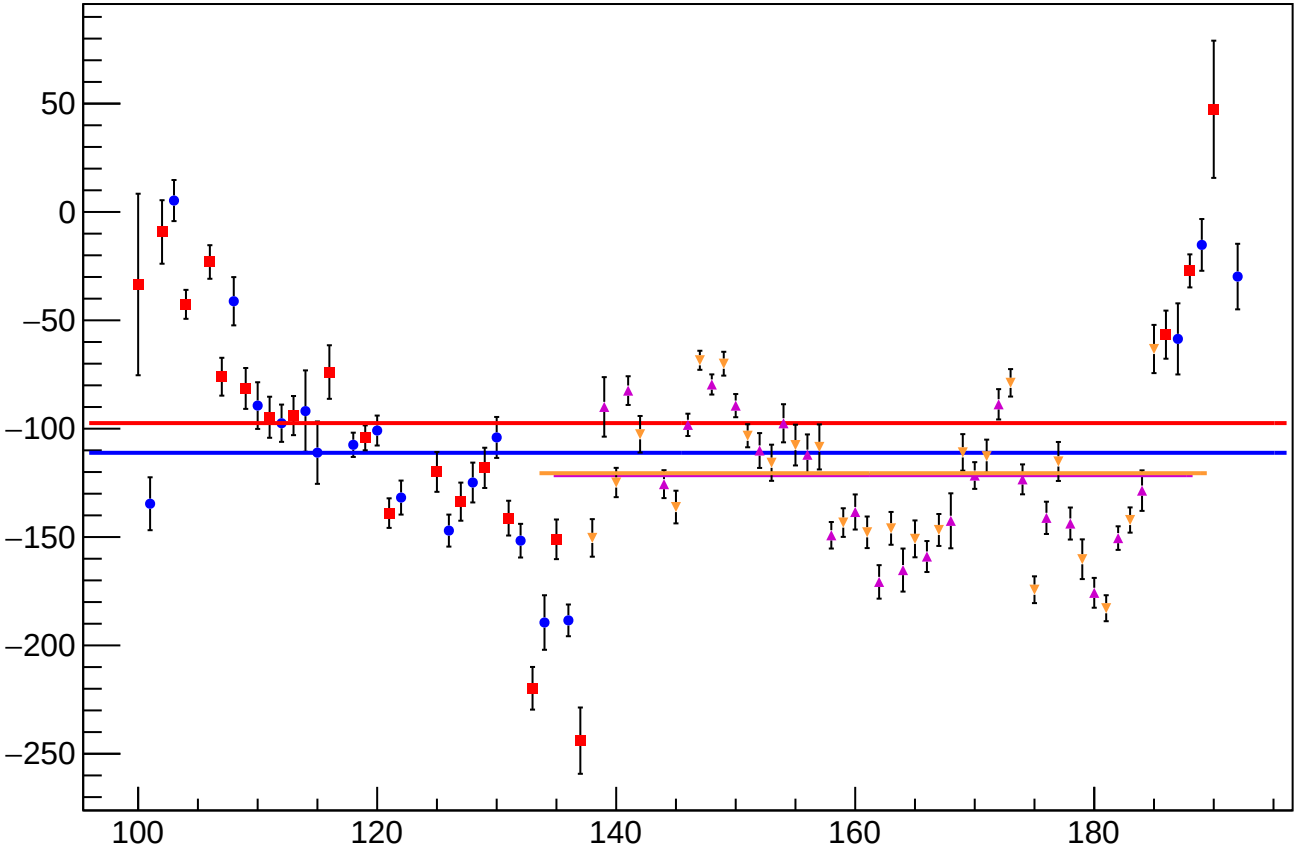
Right: -421.488+/-1.171 χ^2/NDF: 13261.4/39

In: -401.559+/-1.234 χ^2/NDF:6677.8/41

Out: -403.112+/-1.127 χ^2/NDF:12104.9/44

All: -402.406+/-0.832 χ^2/NDF: 18783.5/86

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: -97.420+/-1.980 χ^2/NDF: 706.7/20

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

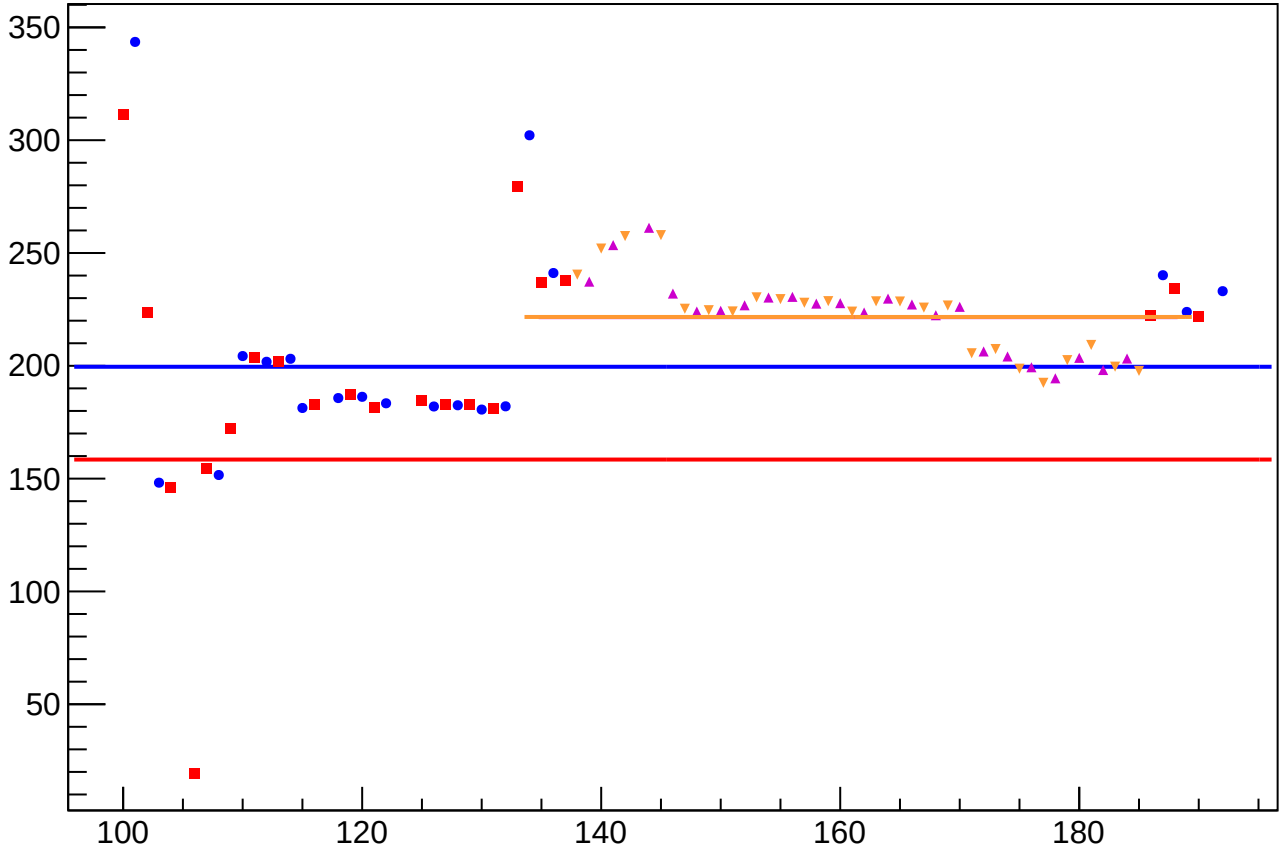
Right: -103.812+/-1.447 χ^2/NDF: 1247.8/39

In: -118.161+/-1.196 χ^2/NDF:967.5/41

Out: -112.577+/-1.162 χ^2/NDF:1407.6/44

All: -115.288+/-0.834 χ^2/NDF: 2386.4/86

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: 158.453+/-0.105 χ^2/NDF: 548995.2/20

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

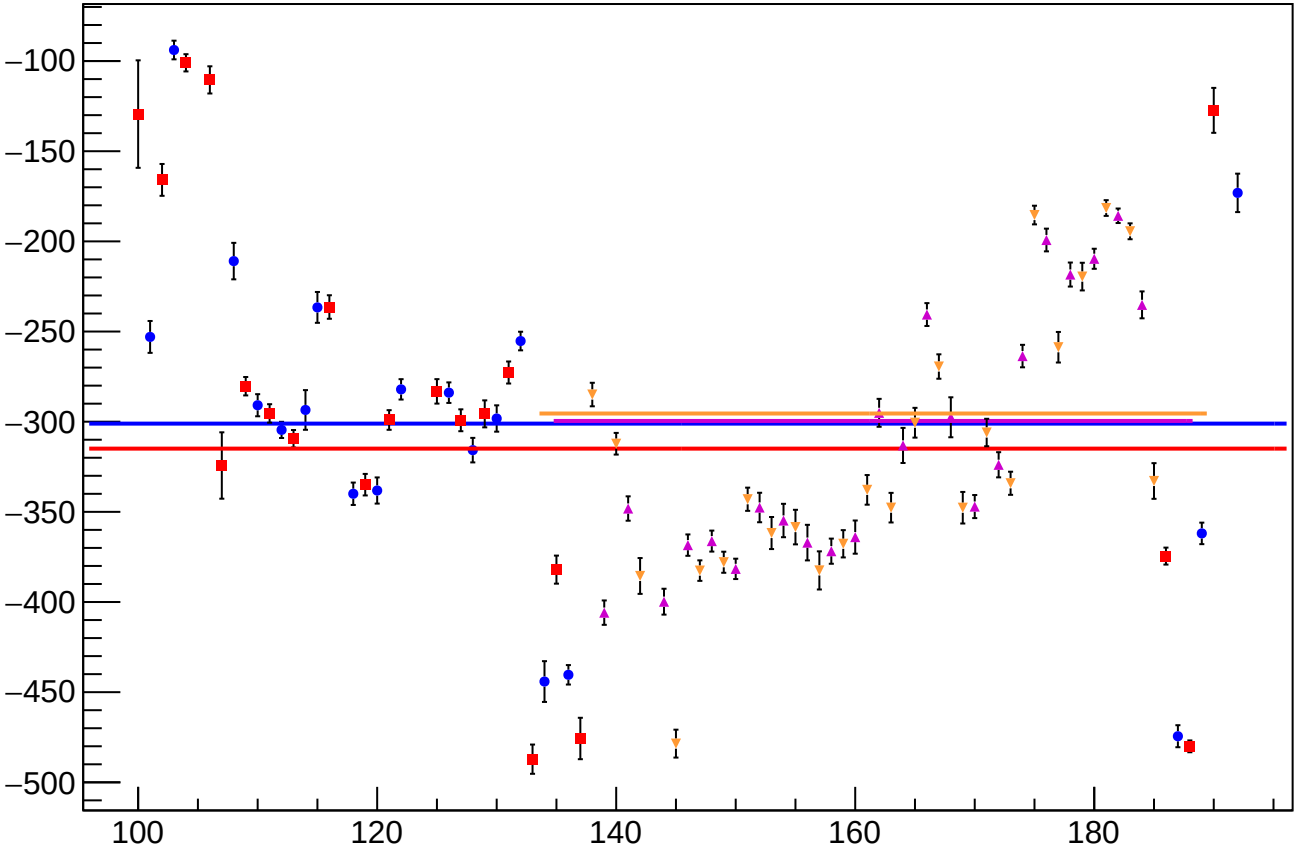
Right: 176.780+/-0.078 χ^2/NDF: 804418.2/39

In: 216.234+/-0.058 χ^2/NDF:275787.1/41

Out: 203.455+/-0.056 χ^2/NDF:874886.1/44

All: 209.692+/-0.040 χ^2/NDF: 1175854.7/86

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: -314.934+/-1.336 χ^2/NDF: 7016.9/20

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

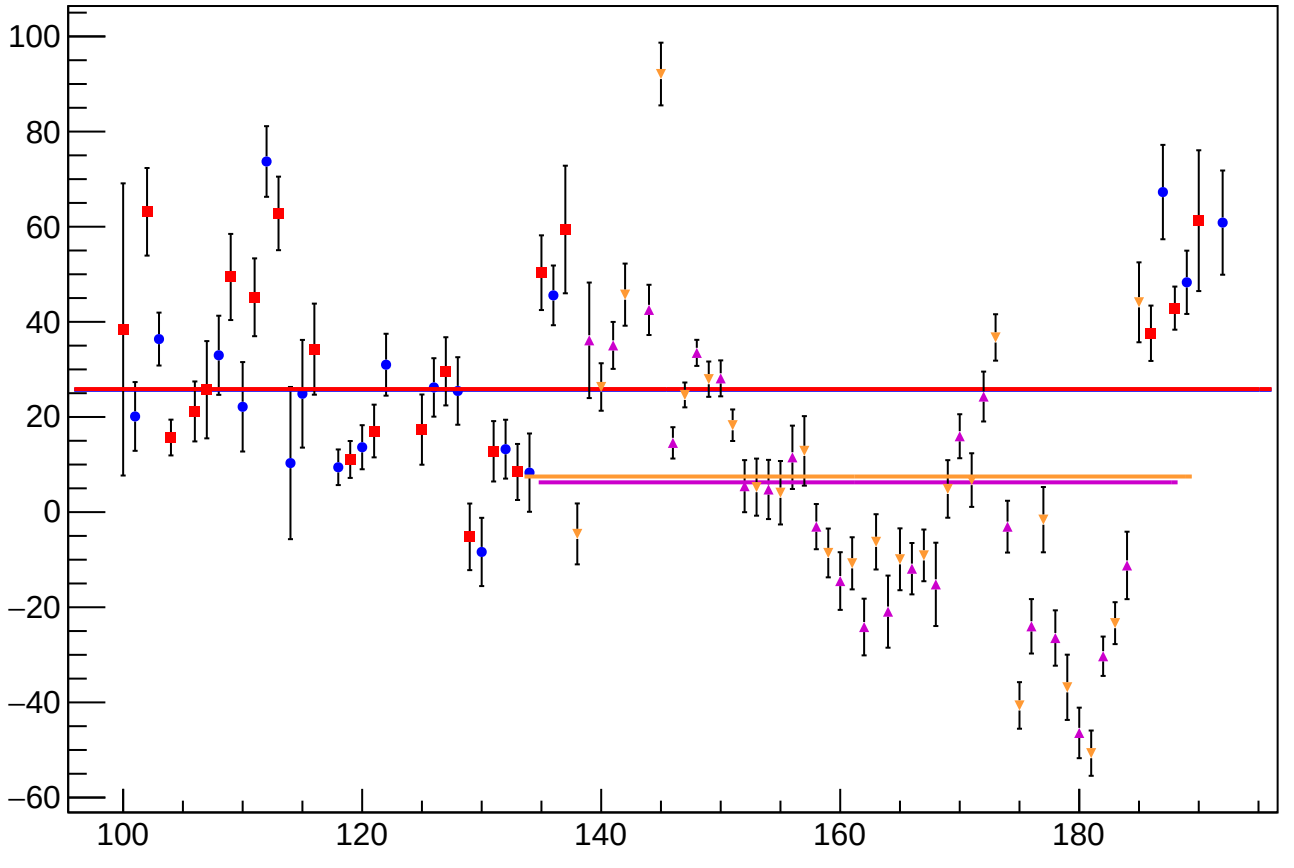
Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

Right: -308.764+/-0.996 χ^2/NDF: 10886.8/39

In: -300.278+/-1.020 χ^2/NDF:6794.2/41

Out: -305.602+/-0.964 χ^2/NDF:10465.0/44

All: -303.089+/-0.701 χ^2/NDF: 17273.6/86



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: 25.873+/-1.431 χ^2/NDF: 151.6/20

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

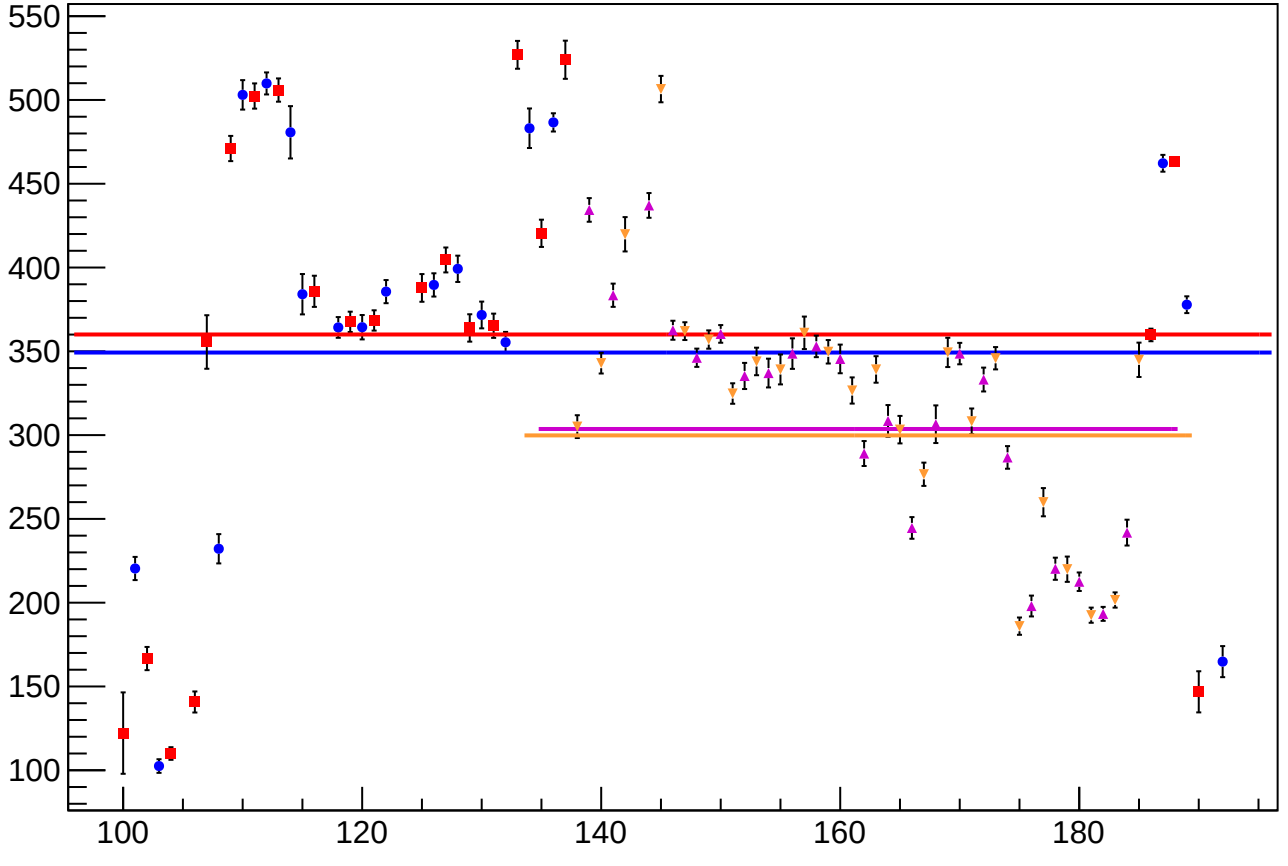
Right: 25.799+/-1.048 χ^2/NDF: 306.4/39

In: 12.393+/-0.865 χ^2/NDF:823.5/41

Out: 13.759+/-0.836 χ^2/NDF:998.9/44

All: 13.100+/-0.601 χ^2/NDF: 1823.7/86

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: 360.047+/-1.325 χ^2/NDF: 10075.7/20

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

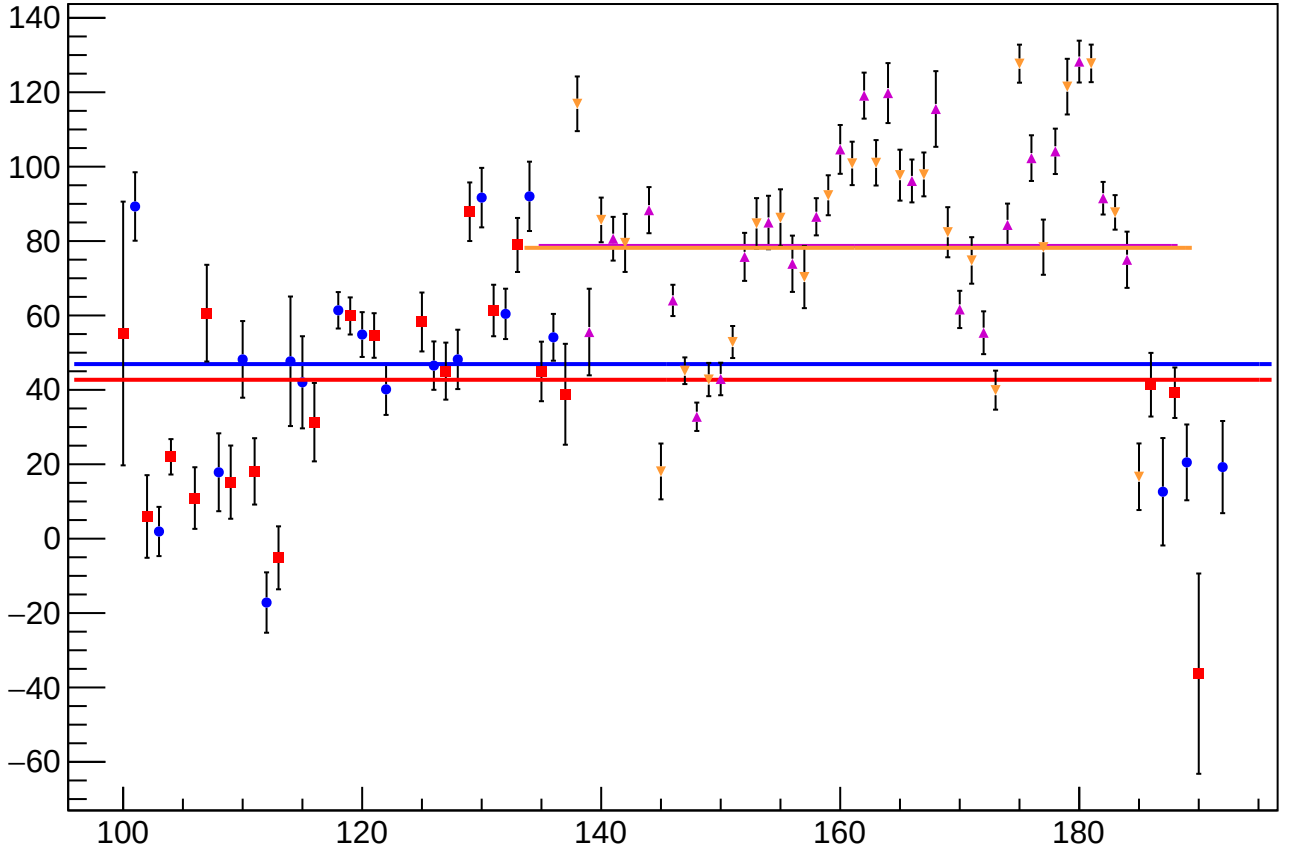
Right: 355.485+/-1.006 χ^2/NDF: 17118.8/39

In: 323.925+/-1.031 χ^2/NDF:10371.5/41

Out: 331.193+/-0.956 χ^2/NDF:14142.3/44

All: 327.832+/-0.701 χ^2/NDF: 24540.5/86

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: 42.710+/-1.730 χ^2/NDF: 189.0/20

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

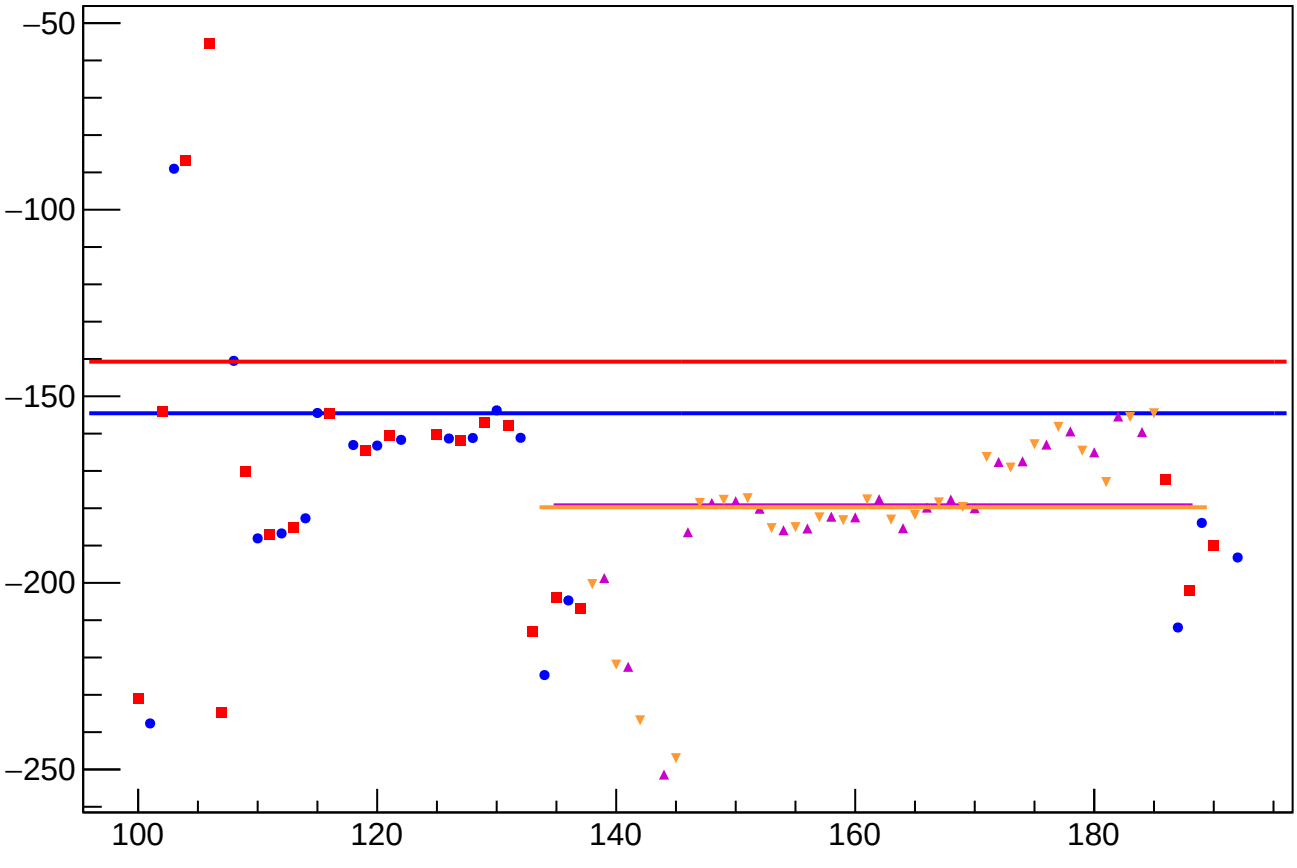
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 44.717+/-1.253 χ^2/NDF: 418.4/39

In: 69.095+/-0.998 χ^2/NDF:928.6/41

Out: 66.859+/-0.977 χ^2/NDF:1138.6/44

All: 67.954+/-0.698 χ^2/NDF: 2069.7/86



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: -140.717+/-0.092 χ^2/NDF: 352391.6/20

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

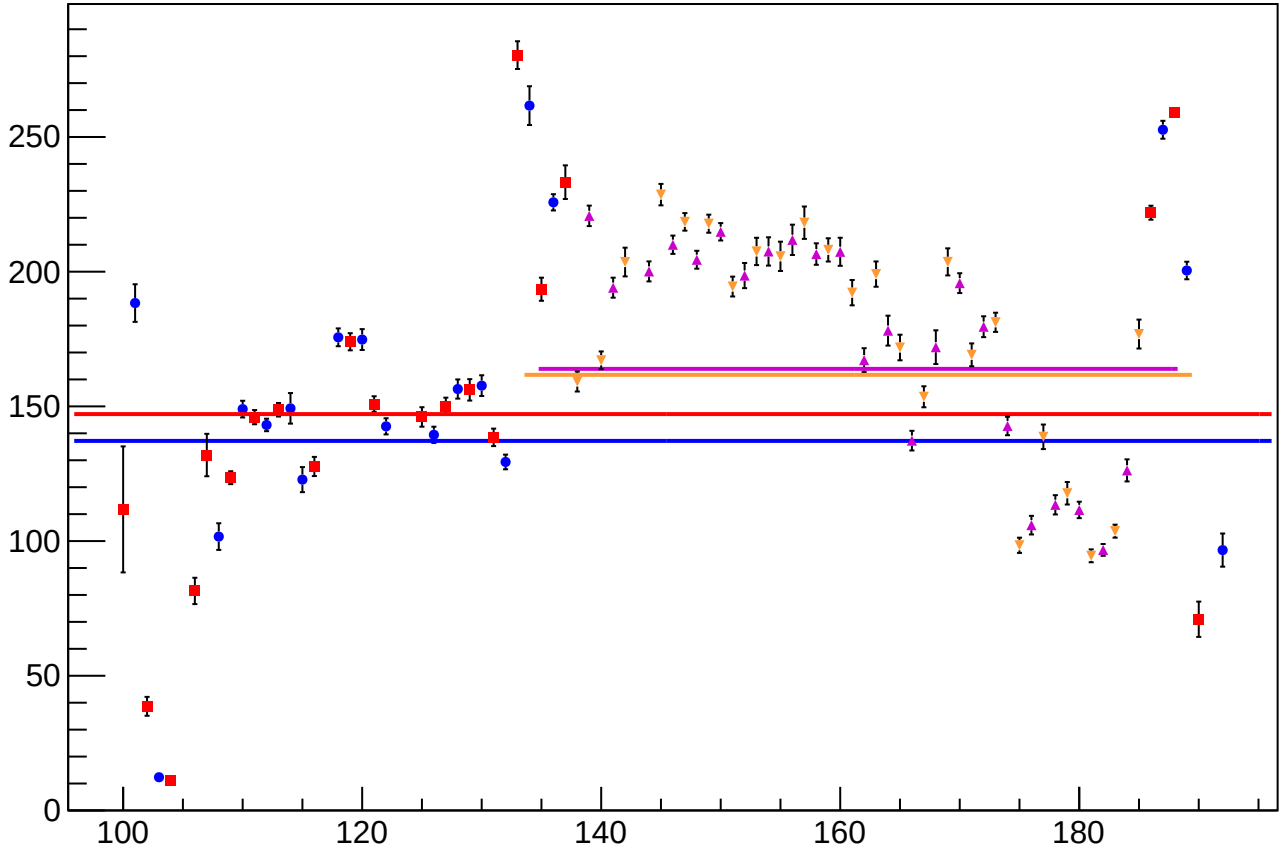
Right: -147.419+/-0.066 χ^2/NDF: 640976.4/39

In: -173.096+/-0.047 χ^2/NDF:441977.3/41

Out: -169.460+/-0.047 χ^2/NDF:617182.5/44

All: -171.275+/-0.033 χ^2/NDF: 1062122.4/86

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: 147.134+/-0.680 χ^2/NDF: 12905.1/20

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

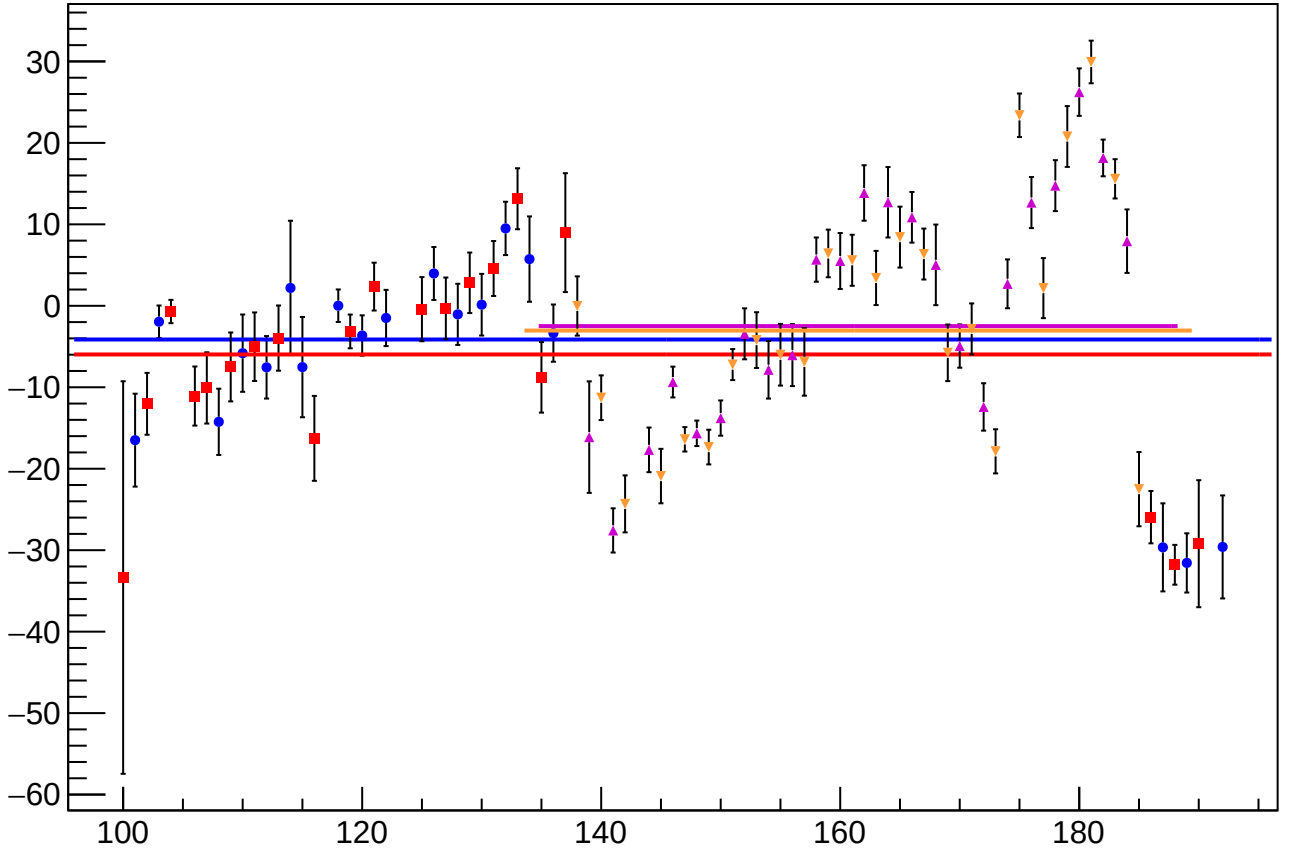
Right: 142.709+/-0.507 χ^2/NDF: 20945.6/39

In: 150.218+/-0.544 χ^2/NDF:11884.5/41

Out: 153.463+/-0.512 χ^2/NDF:16691.9/44

All: 151.940+/-0.373 χ^2/NDF: 28595.3/86

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: -5.972+/-0.713 χ^2/NDF: 244.2/20

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

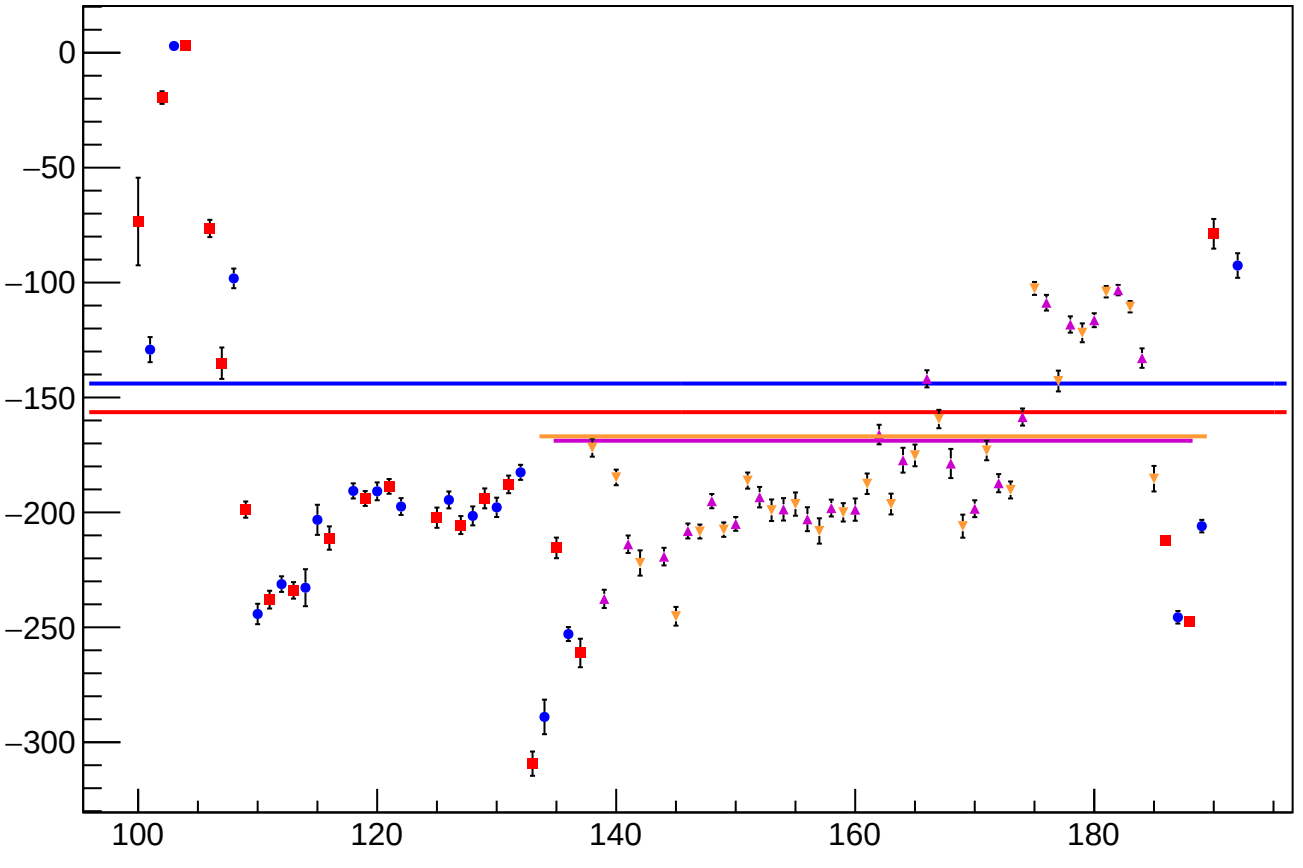
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -5.156+/-0.531 χ^2/NDF: 390.5/39

In: -3.071+/-0.472 χ^2/NDF:709.0/41

Out: -4.202+/-0.449 χ^2/NDF:908.9/44

All: -3.665+/-0.325 χ^2/NDF: 1620.9/86



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: -156.388+/-0.664 χ^2/NDF: 23295.4/20

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

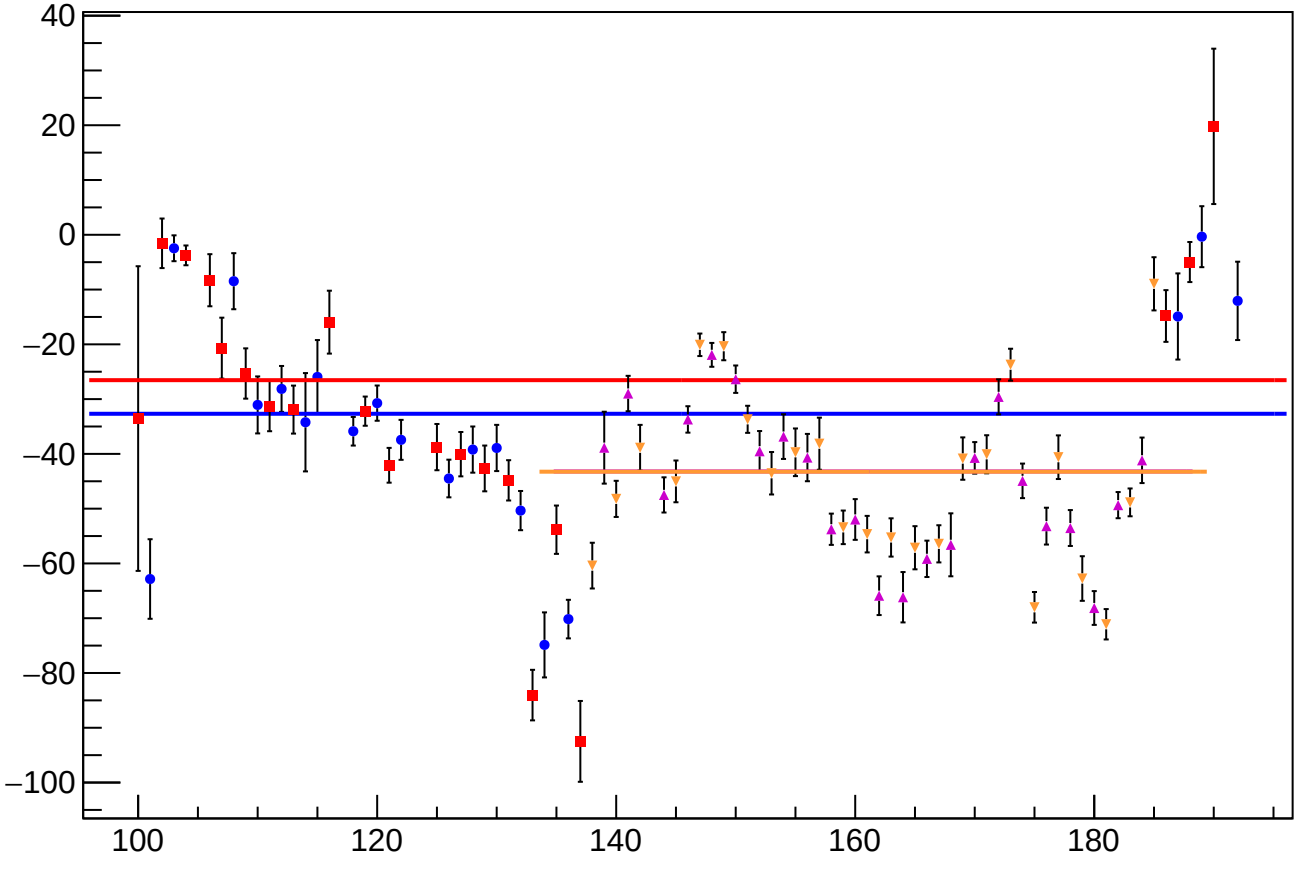
Right: -151.058+/-0.502 χ^2/NDF: 40419.2/39

In: -156.289+/-0.544 χ^2/NDF:20554.7/41

Out: -160.869+/-0.503 χ^2/NDF:26498.6/44

All: -158.759+/-0.369 χ^2/NDF: 47091.5/86

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -26.541+/-0.864 χ^2/NDF: 624.2/20

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

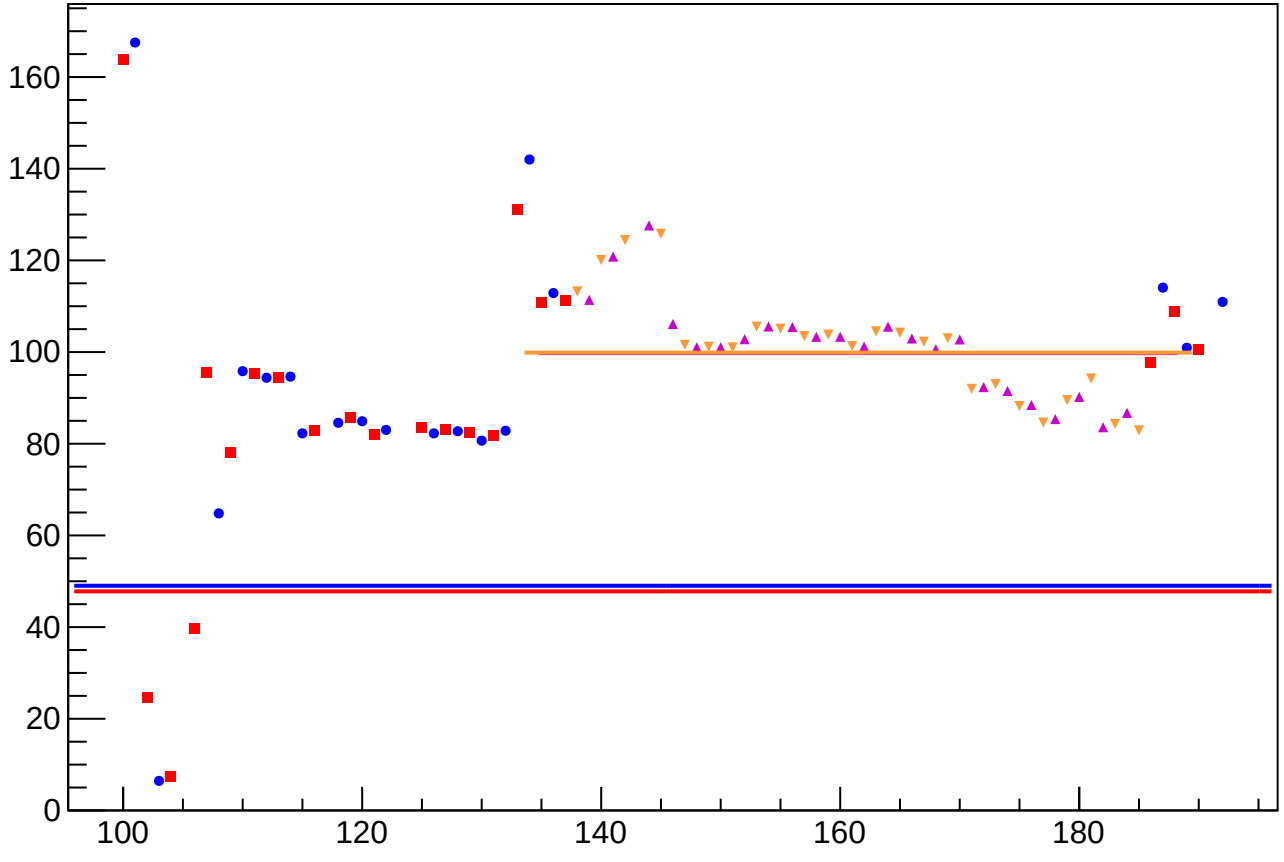
Right: -29.355+/-0.635 χ^2/NDF: 1108.6/39

In: -39.652+/-0.545 χ^2/NDF:950.5/41

Out: -37.043+/-0.526 χ^2/NDF:1469.6/44

All: -38.302+/-0.379 χ^2/NDF: 2431.9/86

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: 47.799+/-0.043 χ^2/NDF: 952820.6/20

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

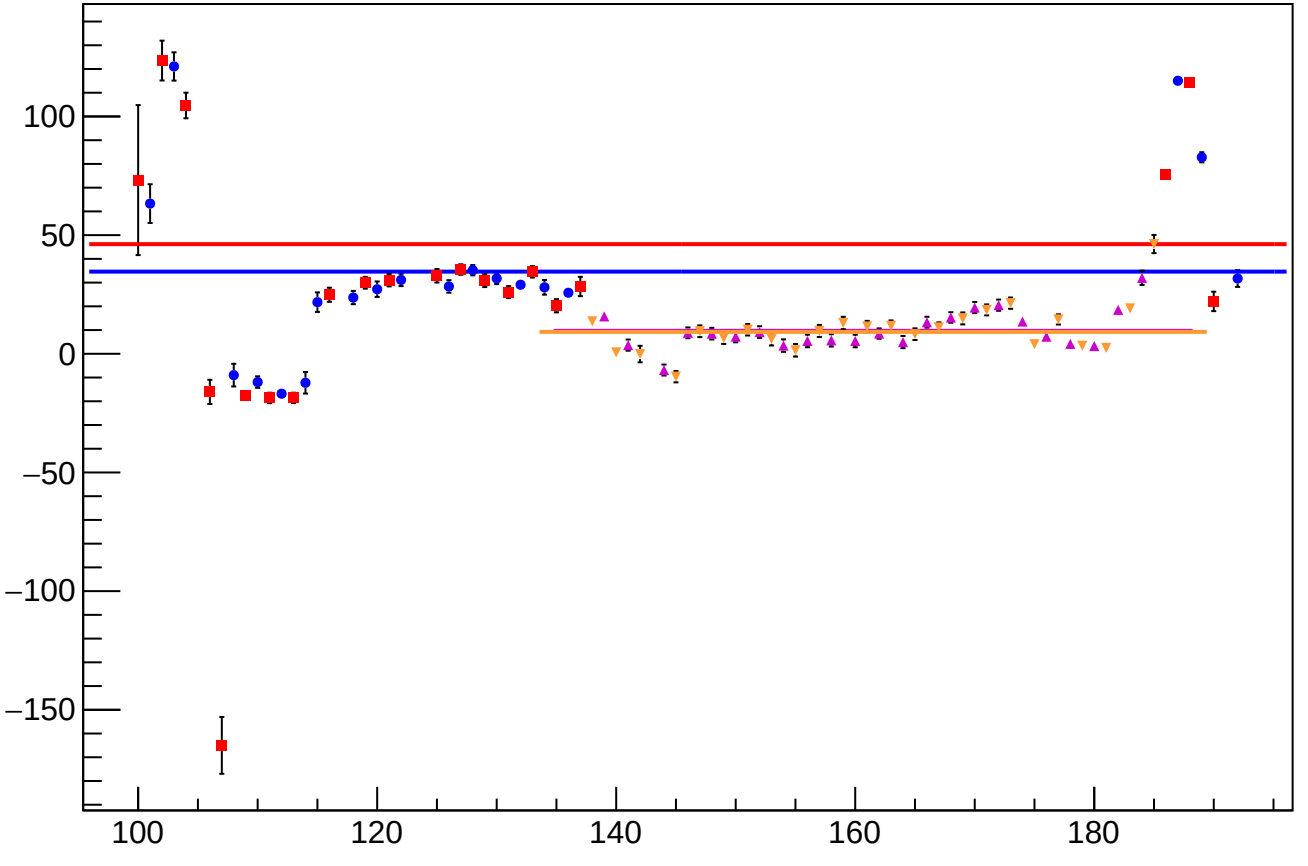
Right: 48.410+/-0.031 χ^2/NDF: 2187976.8/39

In: 82.860+/-0.025 χ^2/NDF:2267566.5/41

Out: 82.399+/-0.025 χ^2/NDF:2038234.3/44

All: 82.631+/-0.018 χ^2/NDF: 4305970.6/86

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: 46.199+/-0.533 χ^2/NDF: 7727.3/20

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

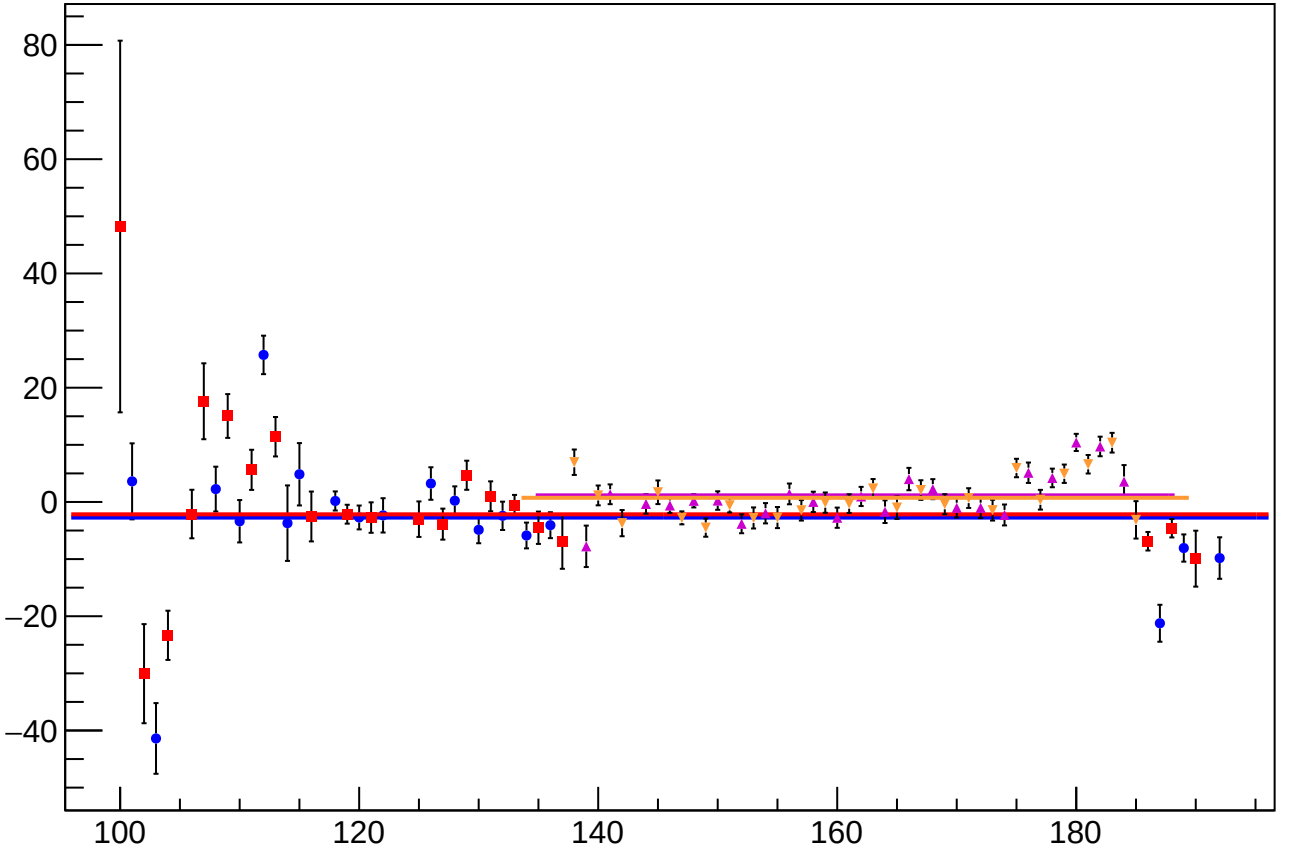
Right: 41.203+/-0.402 χ^2/NDF: 11574.9/39

In: 18.746+/-0.369 χ^2/NDF:4949.3/41

Out: 24.864+/-0.347 χ^2/NDF:10829.6/44

All: 21.994+/-0.253 χ^2/NDF: 15924.9/86

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -2.164+/-0.601 χ^2/NDF: 111.3/20

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

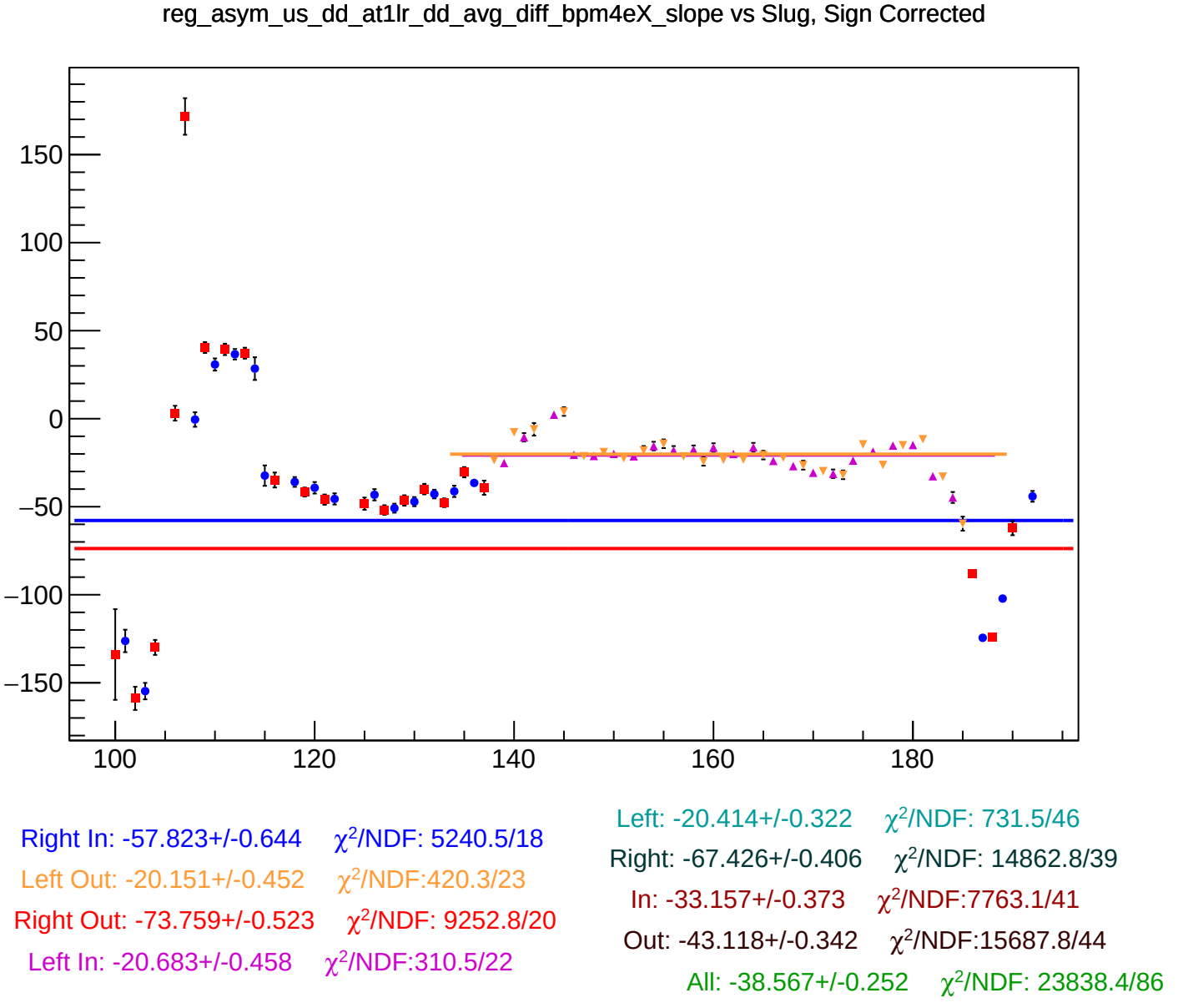
Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

Right: -2.429+/-0.440 χ^2/NDF: 280.2/39

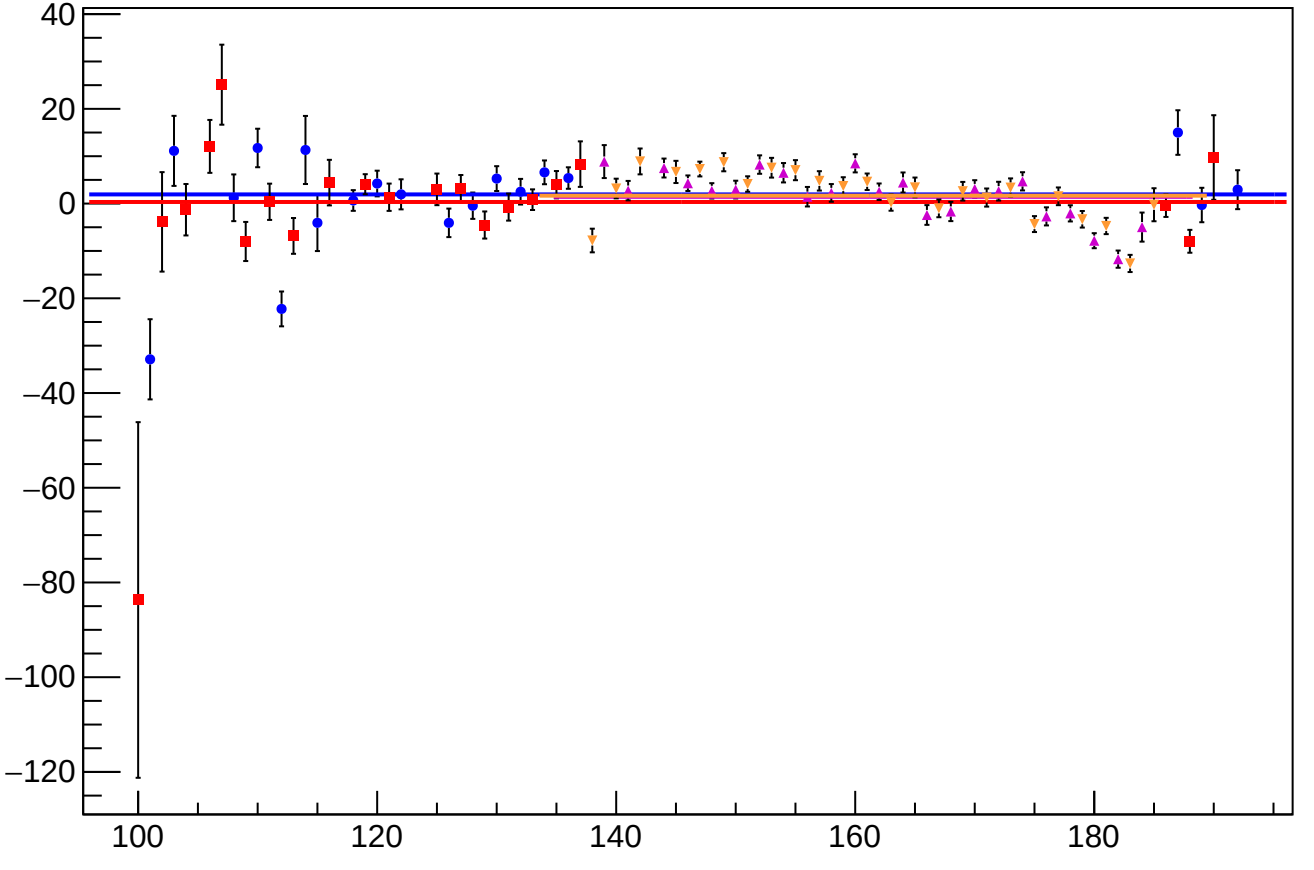
In: 0.245+/-0.313 χ^2/NDF:306.7/41

Out: -0.001+/-0.302 χ^2/NDF:238.3/44

All: 0.117+/-0.217 χ^2/NDF: 545.3/86


reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
120
140
160
180
Right In: -57.823+/-0.644 χ²/NDF: 5240.5/18
Left Out: -20.151+/-0.452 χ²/NDF:420.3/23
Right Out: -73.759+/-0.523 χ²/NDF: 9252.8/20
Left In: -20.683+/-0.458 χ²/NDF:310.5/22
Left: -20.414+/-0.322 χ²/NDF: 731.5/46
Right: -67.426+/-0.406 χ²/NDF: 14862.8/39
In: -33.157+/-0.373 χ²/NDF:7763.1/41
Out: -43.118+/-0.342 χ²/NDF:15687.8/44
All: -38.567+/-0.252 χ²/NDF: 23838.4/86

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 0.337+/-0.733 χ^2/NDF: 51.9/20

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

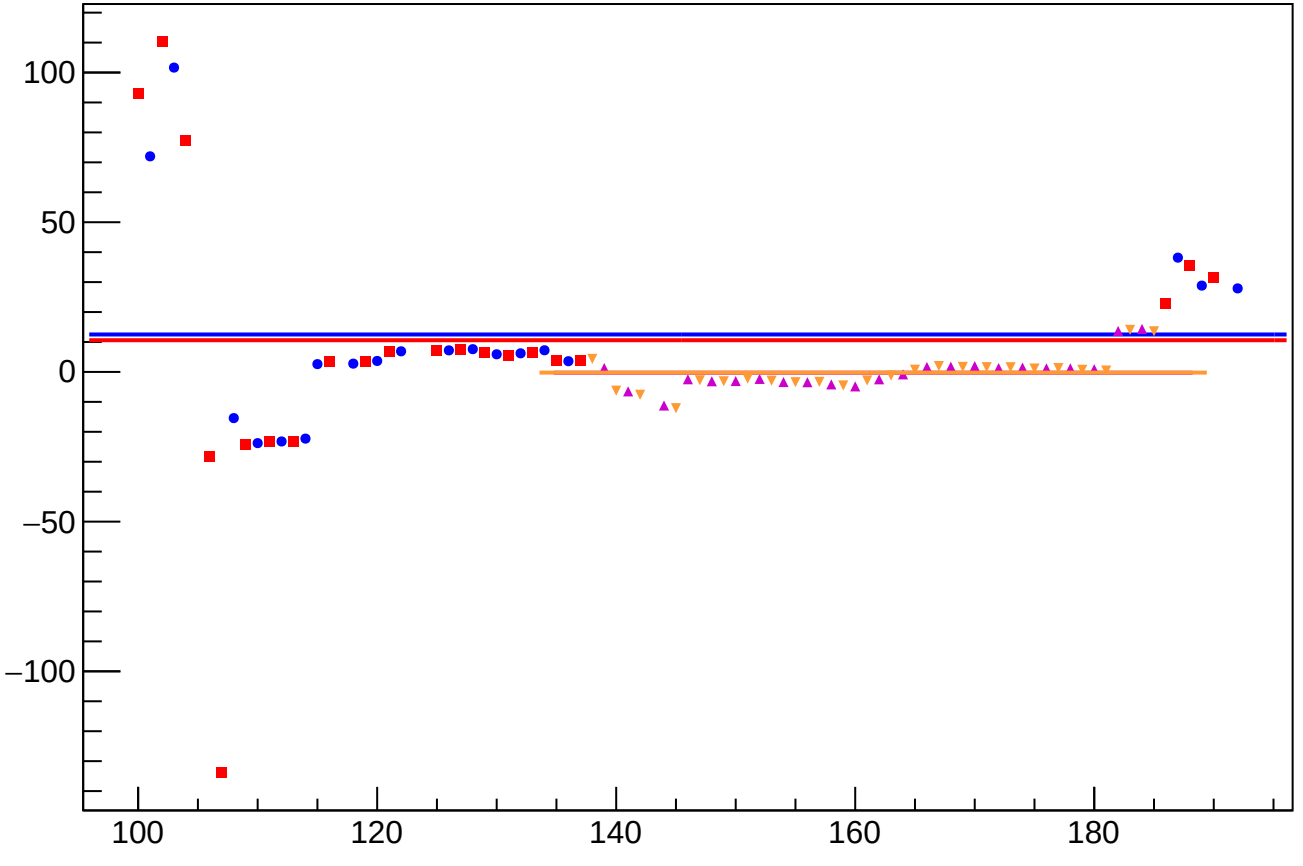
Right: 1.113+/-0.526 χ^2/NDF: 145.8/39

In: 1.540+/-0.355 χ^2/NDF:254.7/41

Out: 1.371+/-0.348 χ^2/NDF:232.5/44

All: 1.454+/-0.248 χ^2/NDF: 487.3/86

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: 10.588+/-0.045 χ^2/NDF: 509148.9/20

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

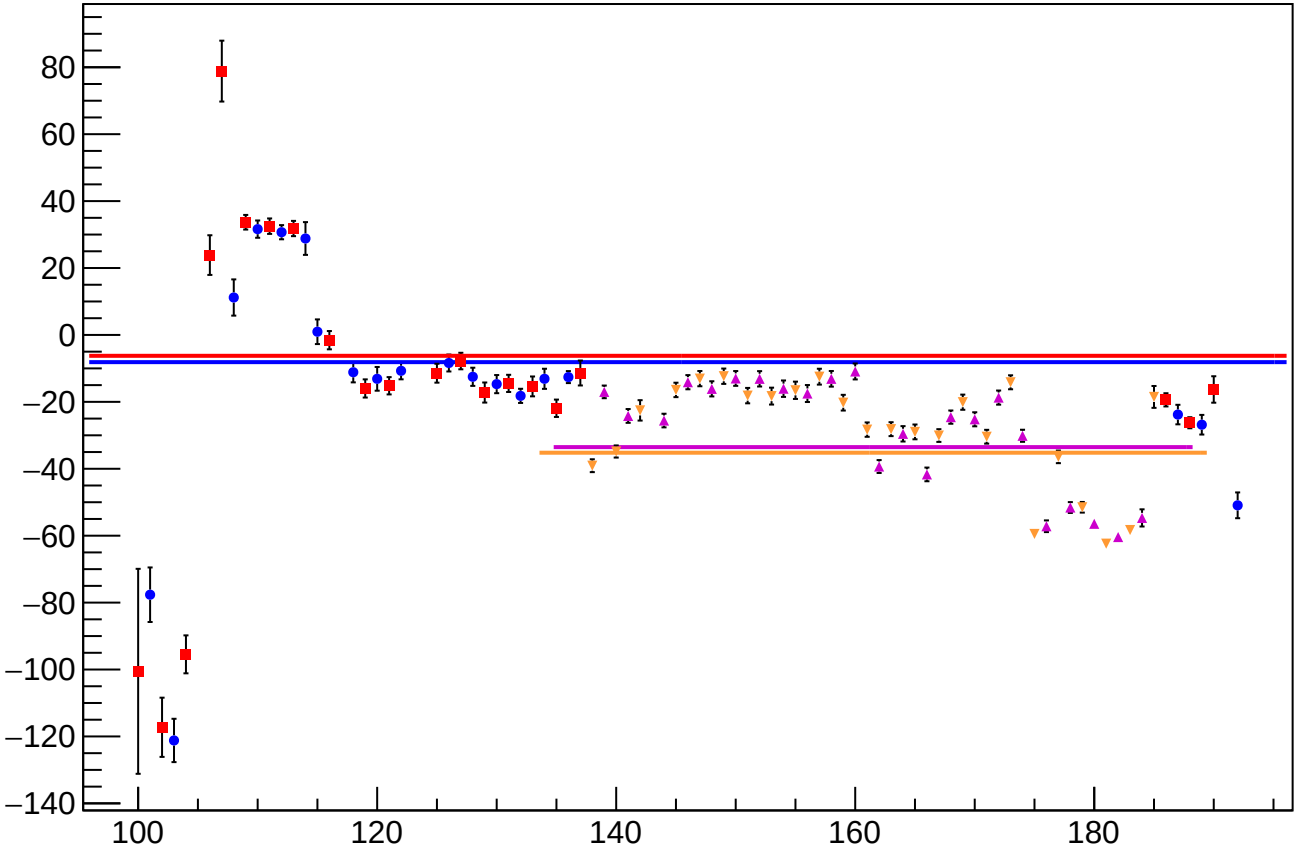
Right: 11.599+/-0.031 χ^2/NDF: 864683.7/39

In: 1.576+/-0.016 χ^2/NDF:502346.7/41

Out: 1.185+/-0.016 χ^2/NDF:639281.6/44

All: 1.381+/-0.012 χ^2/NDF: 1141911.9/86

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -6.238+/-0.612 χ^2/NDF: 1720.3/20

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

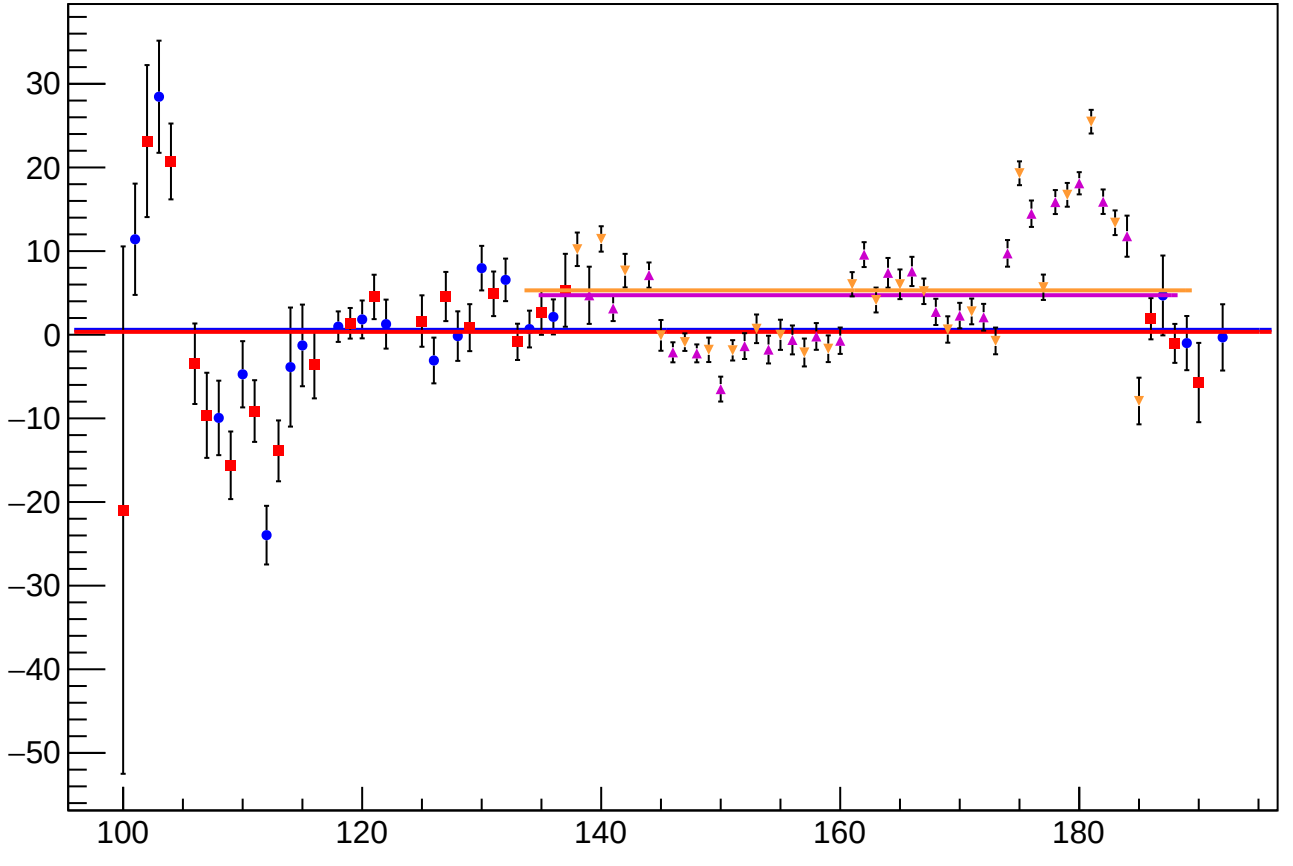
Right: -7.110+/-0.450 χ^2/NDF: 2987.9/39

In: -26.409+/-0.351 χ^2/NDF:4125.9/41

Out: -26.294+/-0.340 χ^2/NDF:5119.5/44

All: -26.350+/-0.244 χ^2/NDF: 9245.4/86

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 0.345+/-0.682 χ^2/NDF: 82.6/20

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

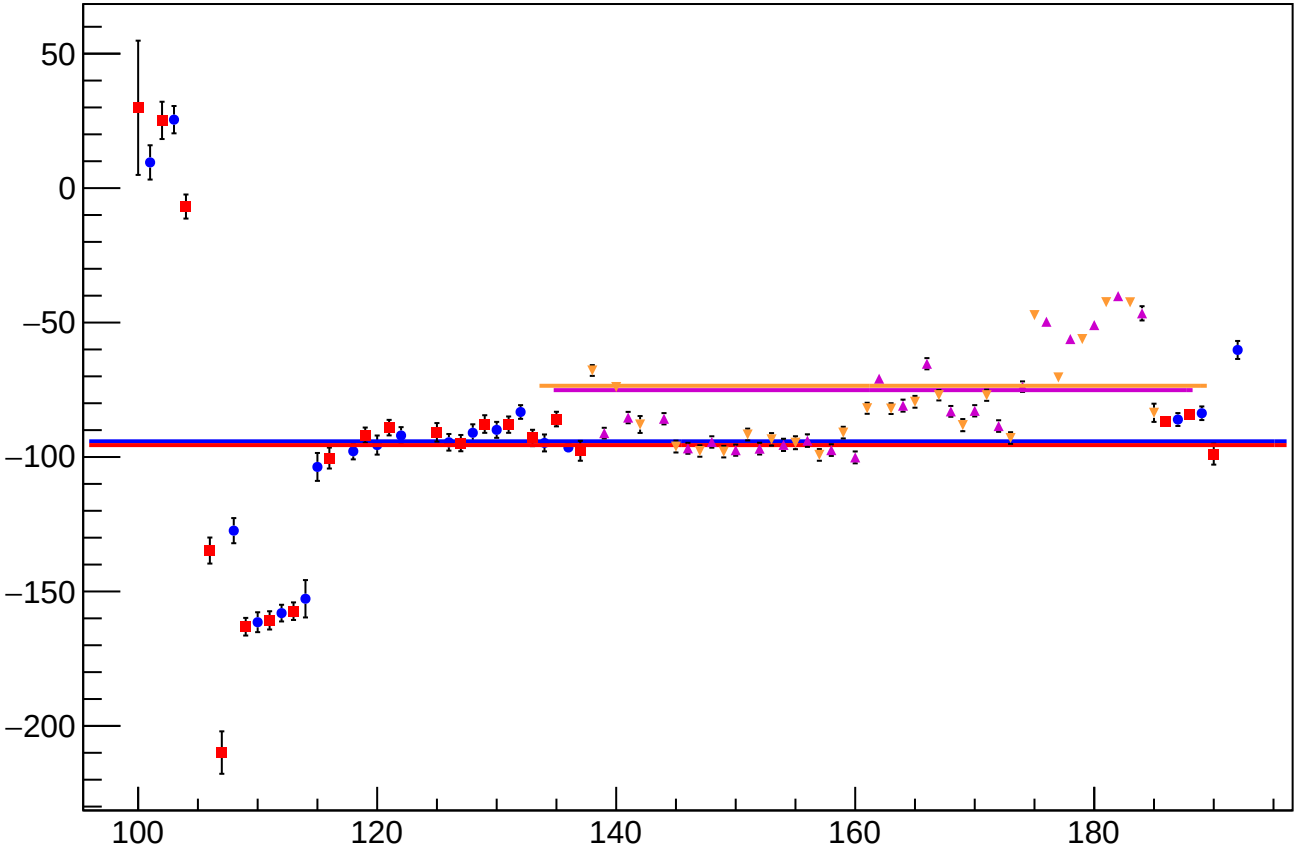
Right: 0.465+/-0.485 χ^2/NDF: 176.6/39

In: 3.991+/-0.291 χ^2/NDF:619.4/41

Out: 4.435+/-0.286 χ^2/NDF:750.6/44

All: 4.217+/-0.204 χ^2/NDF: 1371.1/86

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: -95.571+/-0.638 χ^2/NDF: 2287.7/20

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

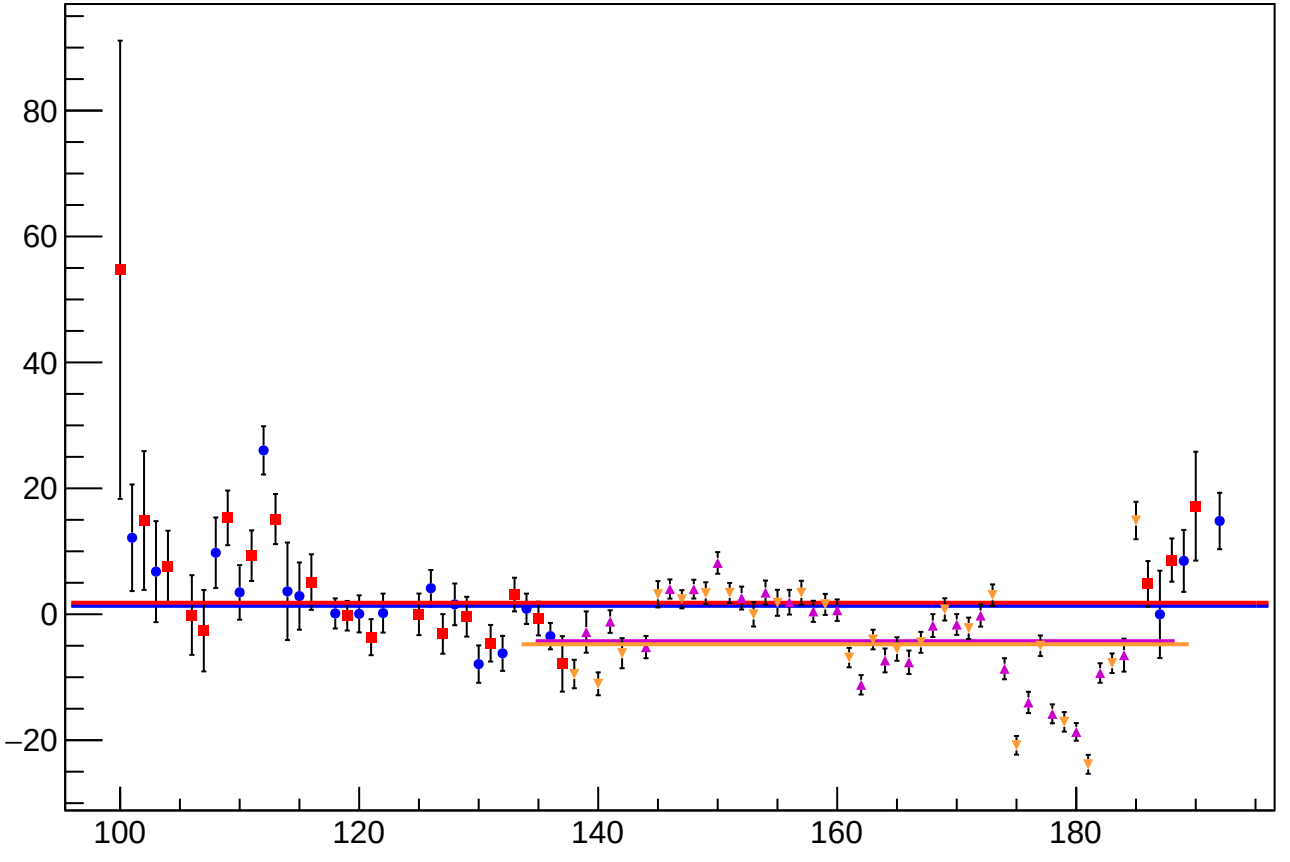
Right: -94.951+/-0.477 χ^2/NDF: 4145.3/39

In: -79.800+/-0.356 χ^2/NDF:4745.7/41

Out: -79.846+/-0.342 χ^2/NDF:5531.3/44

All: -79.824+/-0.247 χ^2/NDF: 10277.0/86

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: 1.830+/-0.806 χ^2/NDF: 56.1/20

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

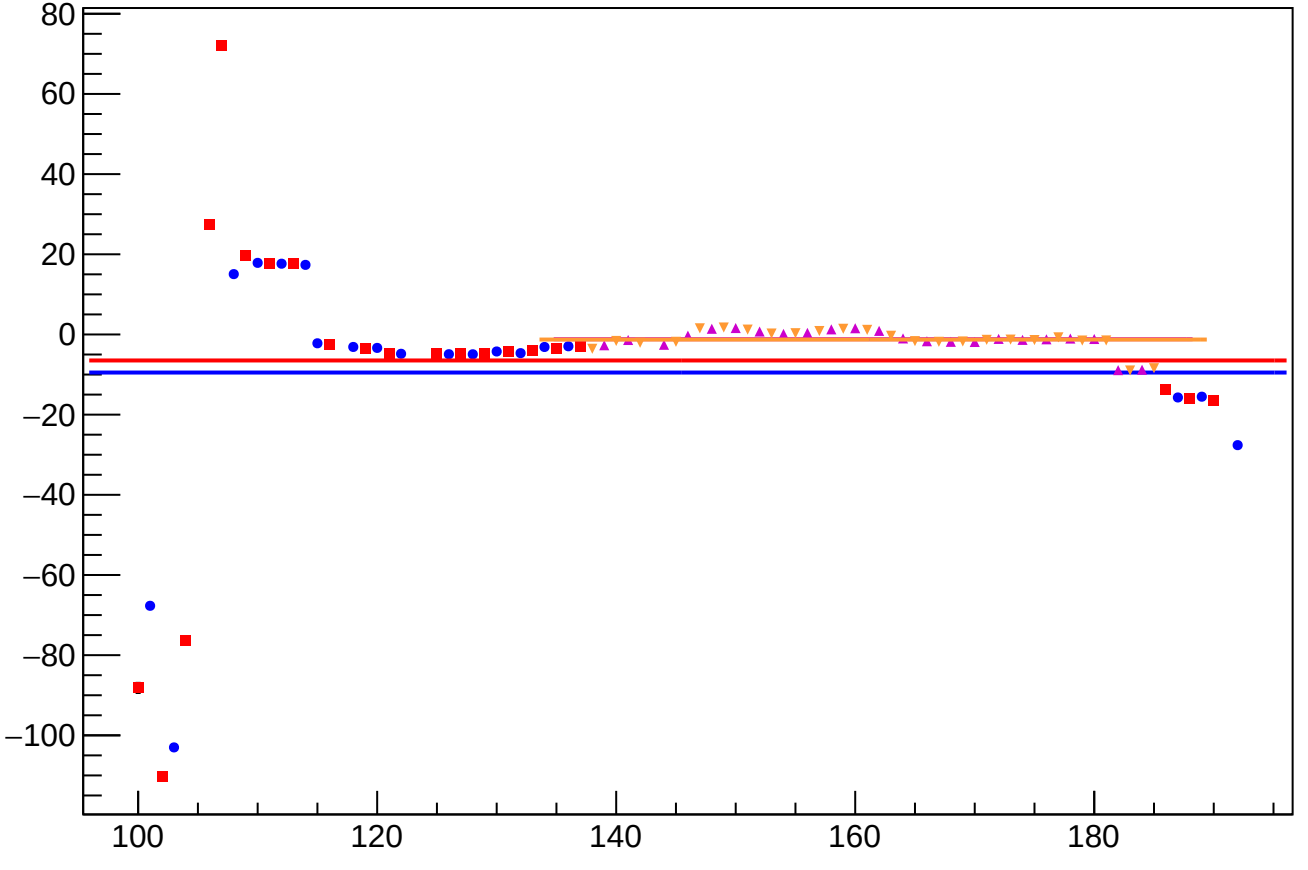
Right: 1.582+/-0.565 χ^2/NDF: 137.7/39

In: -3.311+/-0.328 χ^2/NDF:547.2/41

Out: -3.693+/-0.325 χ^2/NDF:689.1/44

All: -3.504+/-0.231 χ^2/NDF: 1237.0/86

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -6.485+/-0.049 χ^2/NDF: 345796.1/20

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

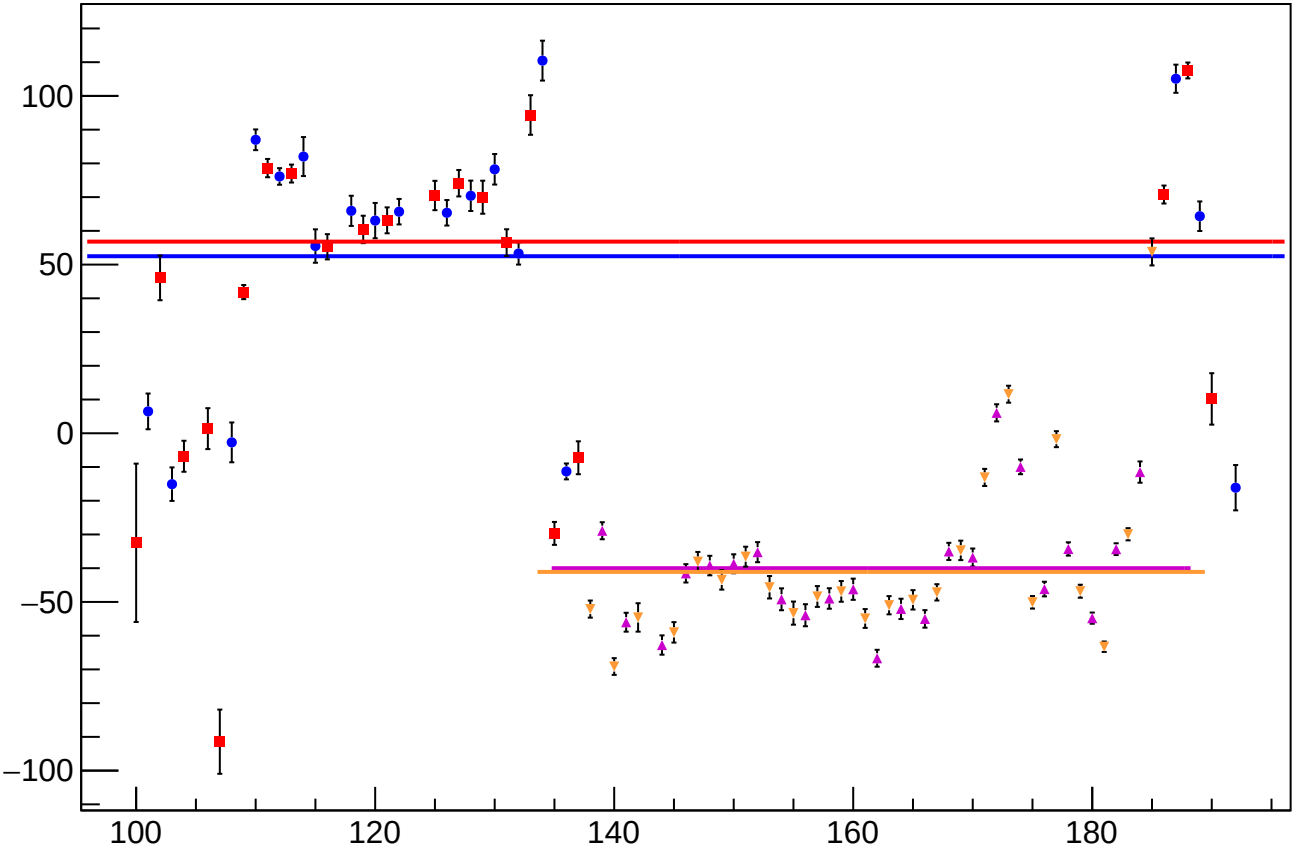
Right: -8.124+/-0.033 χ^2/NDF: 633337.8/39

In: -2.129+/-0.015 χ^2/NDF:341202.9/41

Out: -1.770+/-0.015 χ^2/NDF:381311.3/44

All: -1.950+/-0.011 χ^2/NDF: 722798.8/86

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: 56.808+/-0.807 χ^2/NDF: 2138.5/20

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

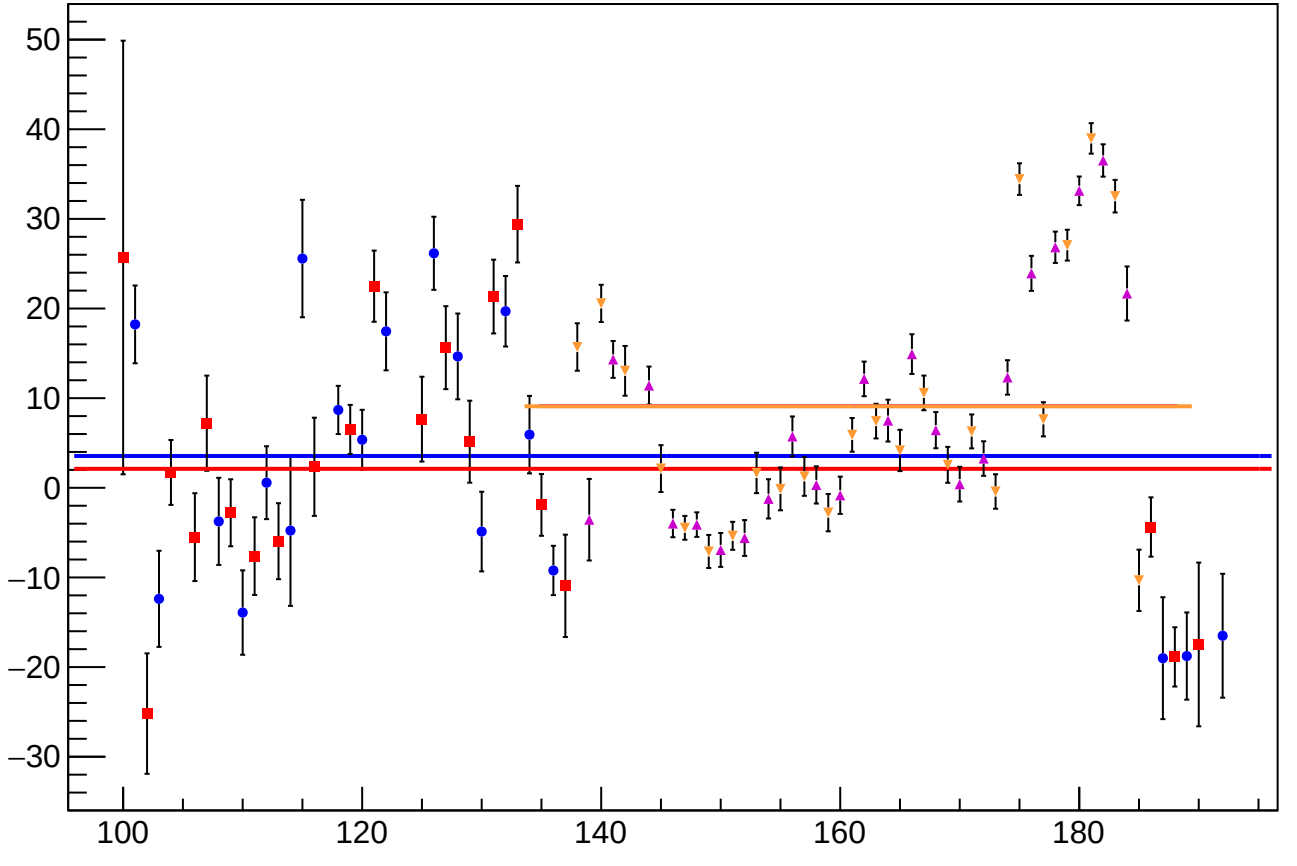
Right: 54.904+/-0.604 χ^2/NDF: 3929.7/39

In: -16.993+/-0.454 χ^2/NDF:10550.9/41

Out: -12.584+/-0.436 χ^2/NDF:14516.1/44

All: -14.695+/-0.314 χ^2/NDF: 25116.0/86

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: 2.119+/-0.932 χ^2/NDF: 188.5/20

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

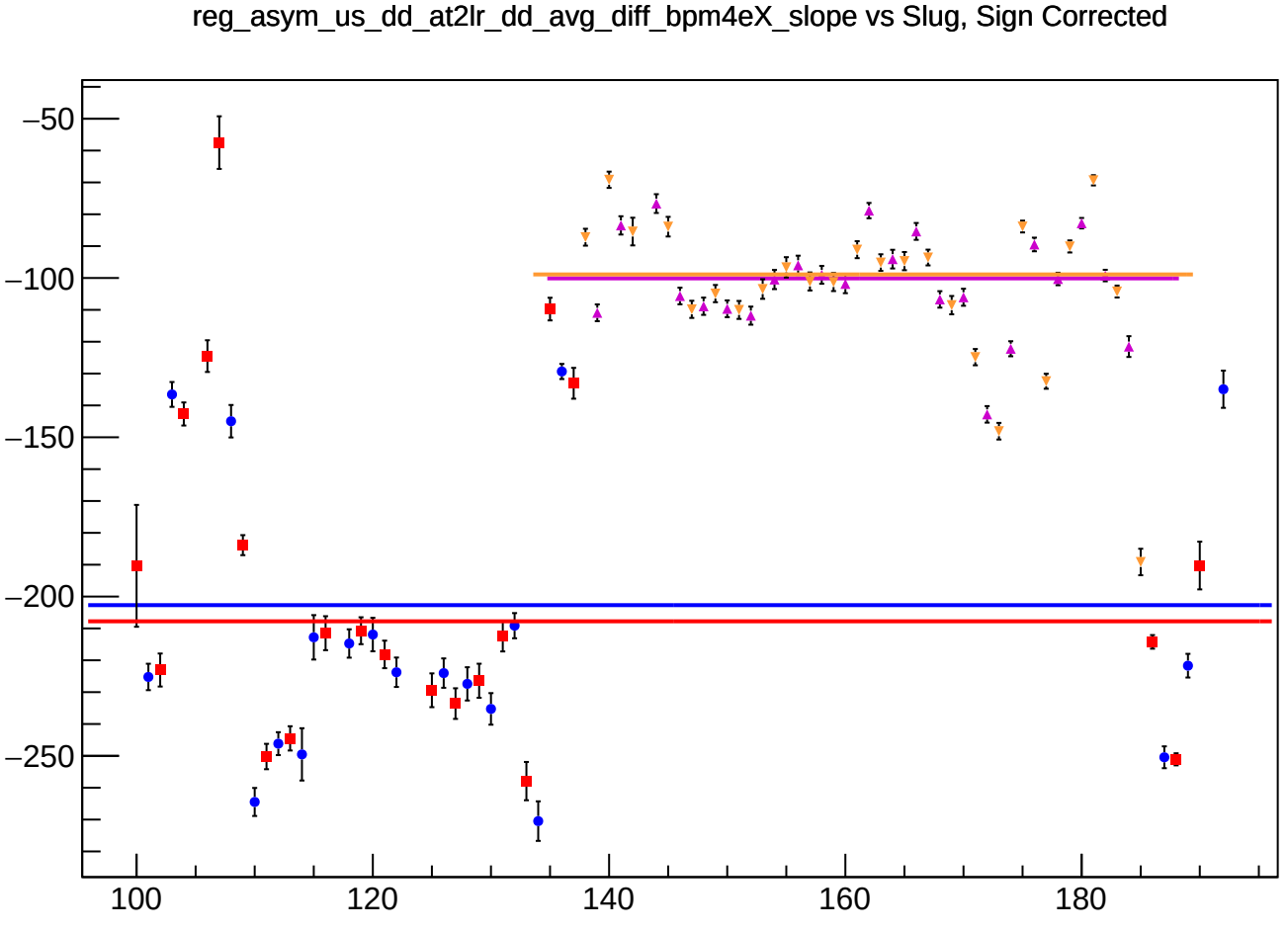
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: 2.799+/-0.675 χ^2/NDF: 371.8/39

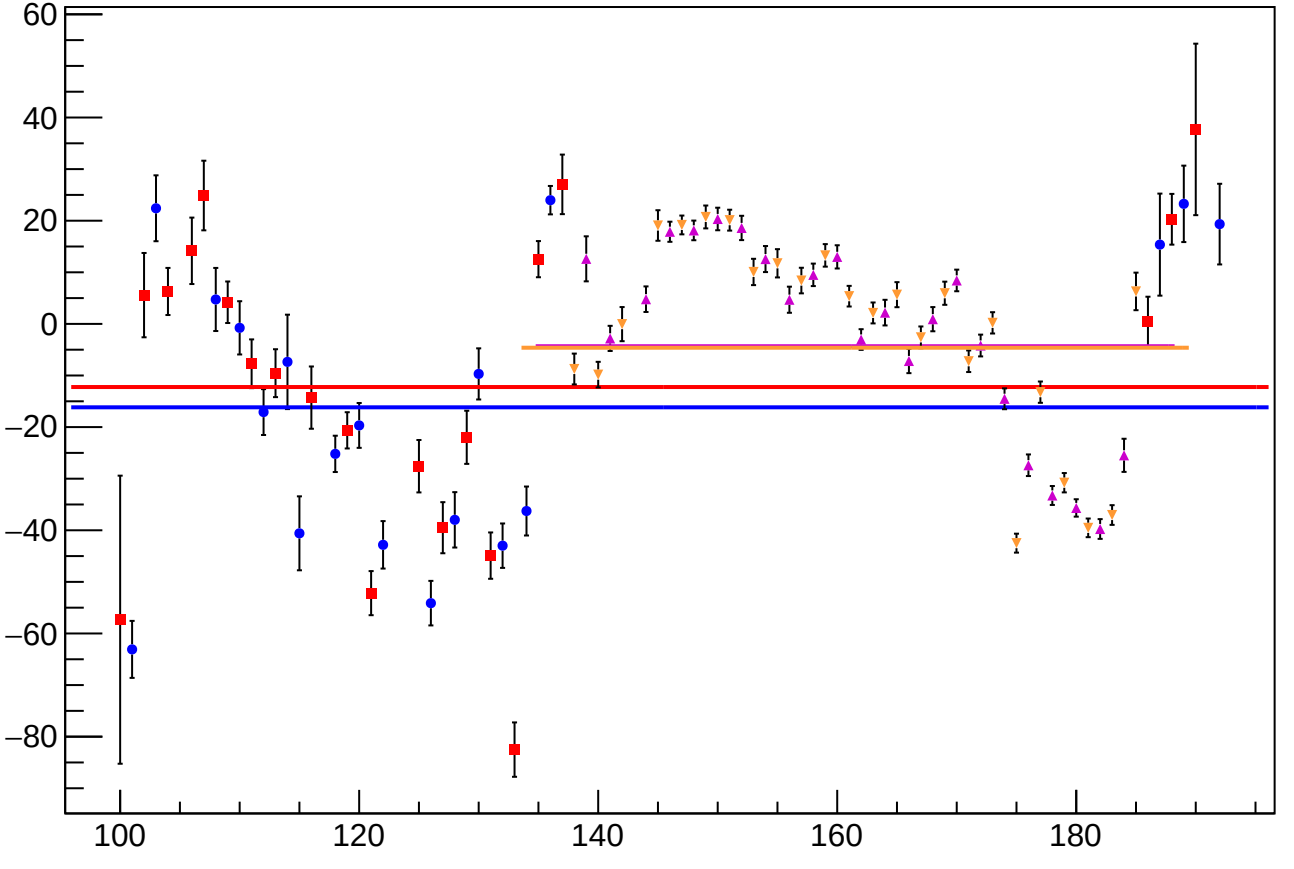
In: 8.293+/-0.377 χ^2/NDF:1261.6/41

Out: 8.003+/-0.369 χ^2/NDF:1489.4/44

All: 8.145+/-0.264 χ^2/NDF: 2751.3/86


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
120
140
160
180
Right In: -202.693+/-0.981 χ²/NDF: 2371.0/18
Left Out: -98.883+/-0.514 χ²/NDF:1824.5/23
Right Out: -207.766+/-0.853 χ²/NDF: 2877.6/20
Left In: -100.127+/-0.520 χ²/NDF:823.2/22
Left: -99.498+/-0.366 χ²/NDF: 2650.6/46
Right: -205.581+/-0.644 χ²/NDF: 5263.9/39
In: -122.622+/-0.460 χ²/NDF:11724.3/41
Out: -127.880+/-0.440 χ²/NDF:16646.0/44
All: -125.363+/-0.318 χ²/NDF: 28438.6/86

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.167+/-1.126 χ^2/NDF: 606.6/18

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -12.236+/-1.099 χ^2/NDF: 611.7/20

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

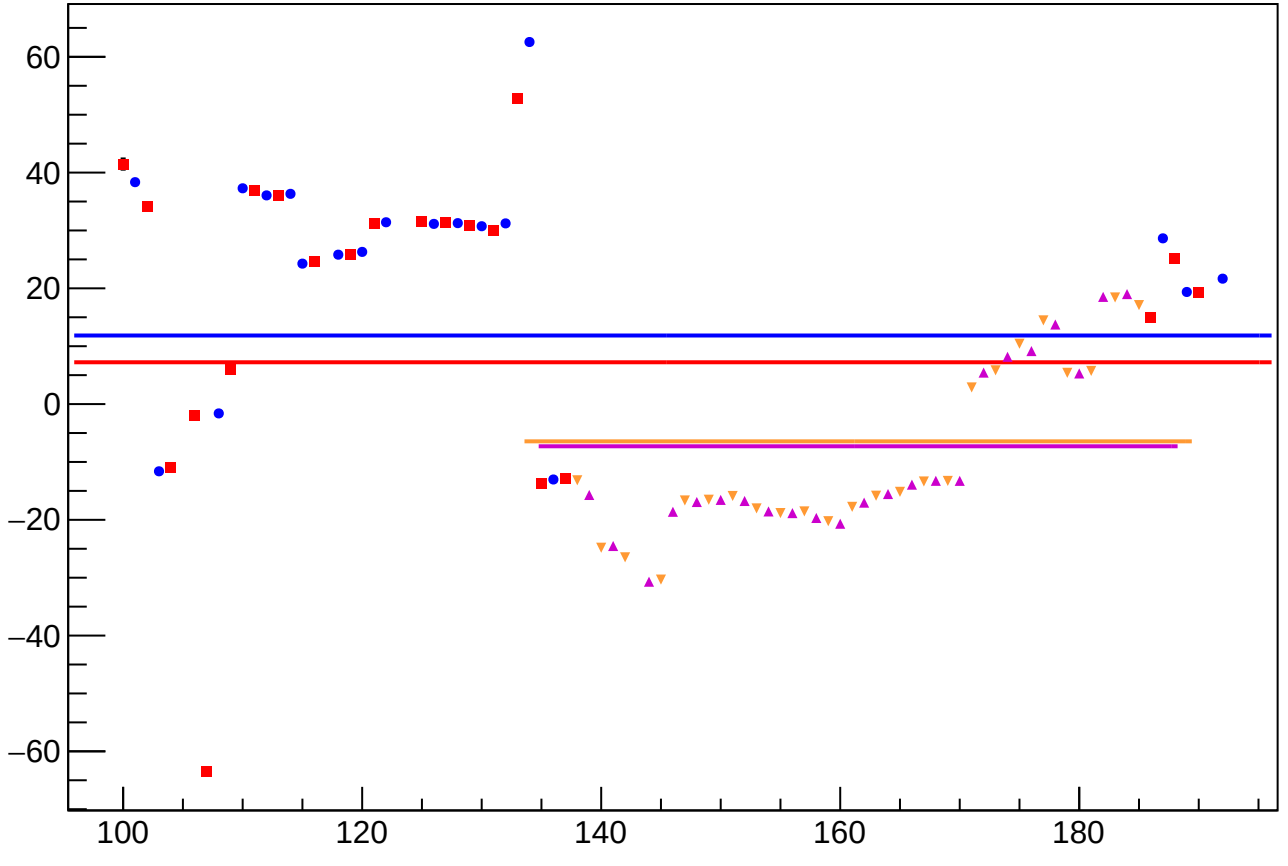
Right: -14.154+/-0.786 χ^2/NDF: 1224.6/39

In: -6.014+/-0.425 χ^2/NDF:2555.6/41

Out: -5.718+/-0.417 χ^2/NDF:2731.2/44

All: -5.863+/-0.298 χ^2/NDF: 5287.0/86

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: 7.225+/-0.060 χ^2/NDF: 161952.5/20

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

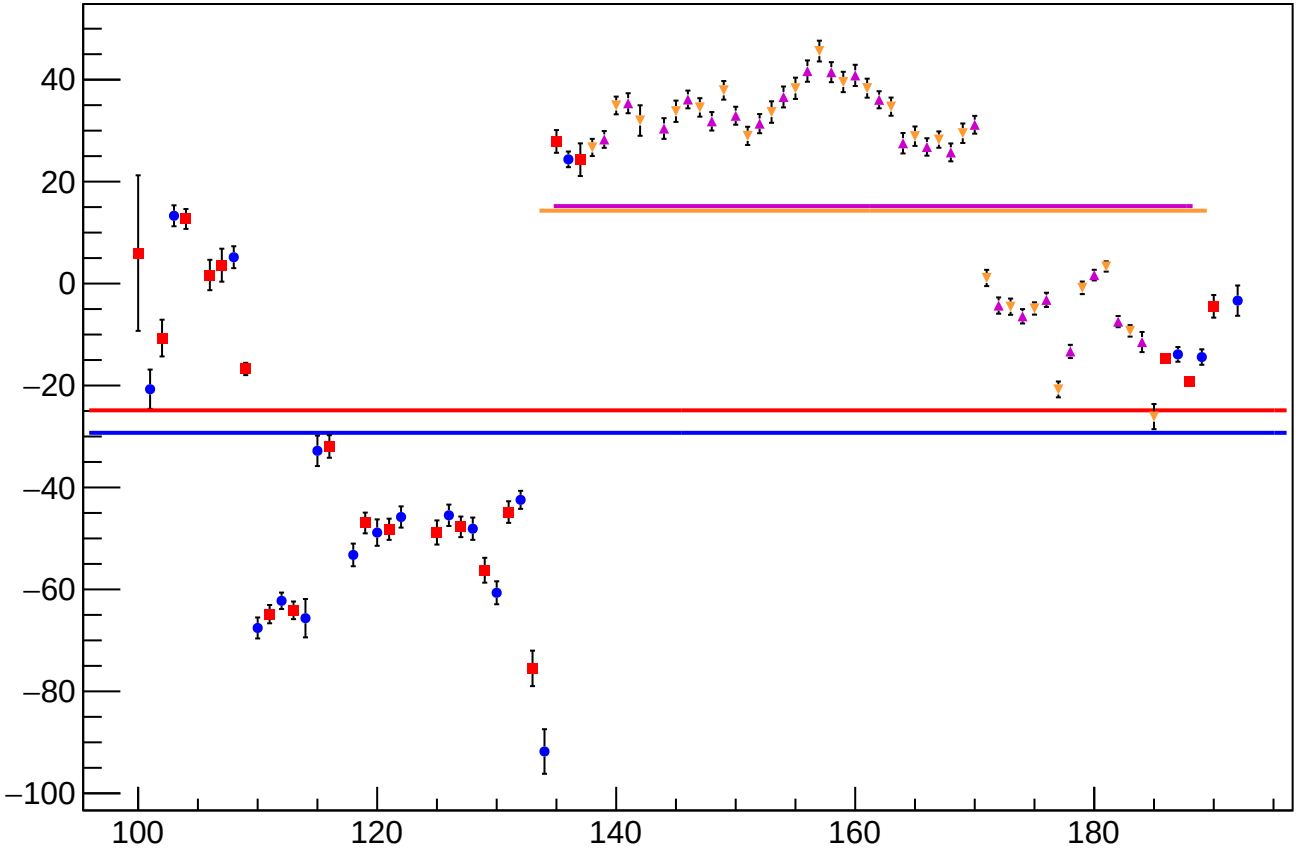
Right: 9.565+/-0.042 χ^2/NDF: 333193.8/39

In: -5.298+/-0.019 χ^2/NDF:749135.1/41

Out: -5.058+/-0.019 χ^2/NDF:704889.5/44

All: -5.177+/-0.014 χ^2/NDF: 1454103.1/86

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -24.870+/-0.392 χ^2/NDF: 3597.4/20

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

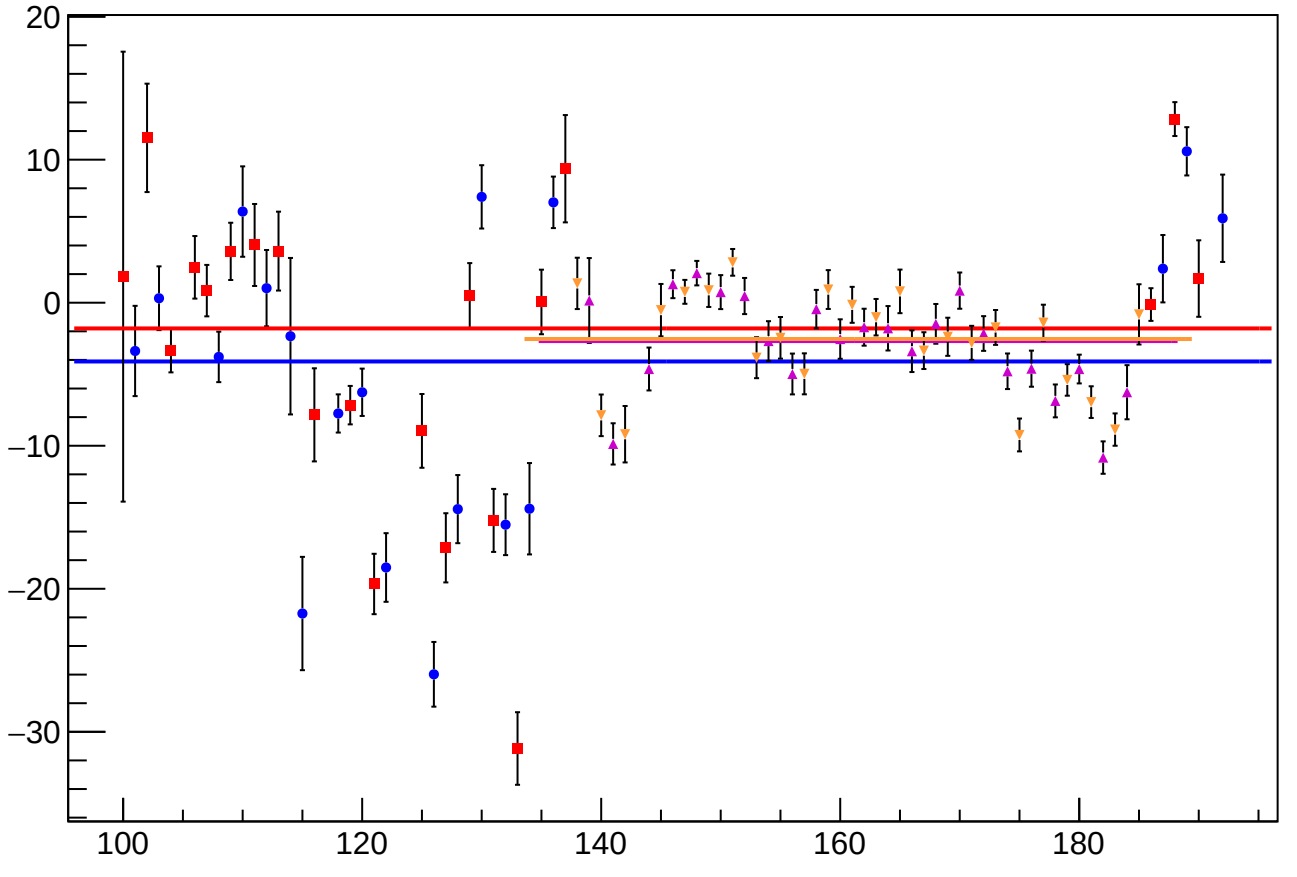
Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

Right: -26.640+/-0.303 χ^2/NDF: 7518.7/39

In: 0.323+/-0.277 χ^2/NDF:13017.9/41

Out: -2.239+/-0.255 χ^2/NDF:13086.7/44

All: -1.064+/-0.188 χ^2/NDF: 26150.9/86



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: -1.798+/-0.441 χ^2/NDF: 511.6/20

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

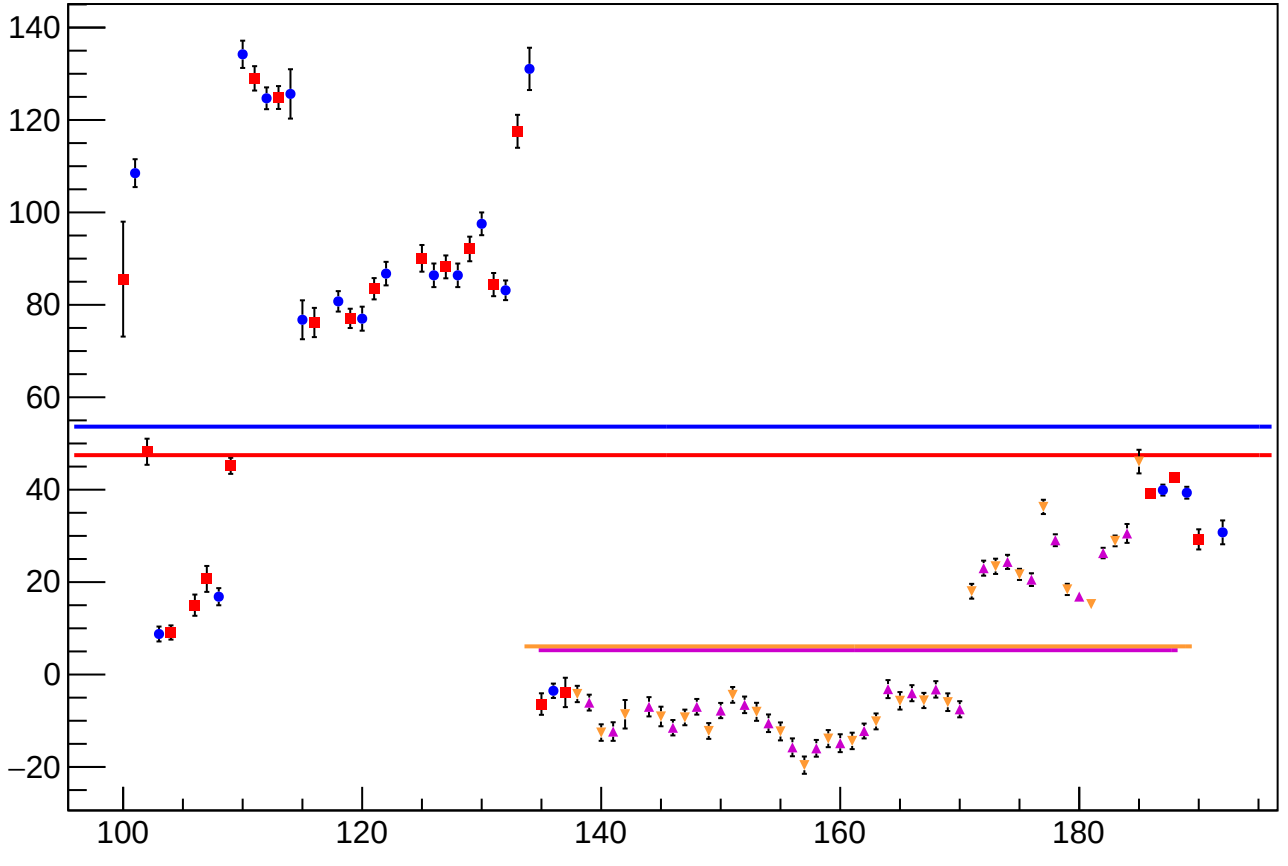
Right: -2.794+/-0.332 χ^2/NDF: 917.9/39

In: -2.987+/-0.235 χ^2/NDF:582.7/41

Out: -2.348+/-0.223 χ^2/NDF:712.0/44

All: -2.652+/-0.162 χ^2/NDF: 1298.7/86

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: 47.473+/-0.375 χ^2/NDF: 5793.0/20

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

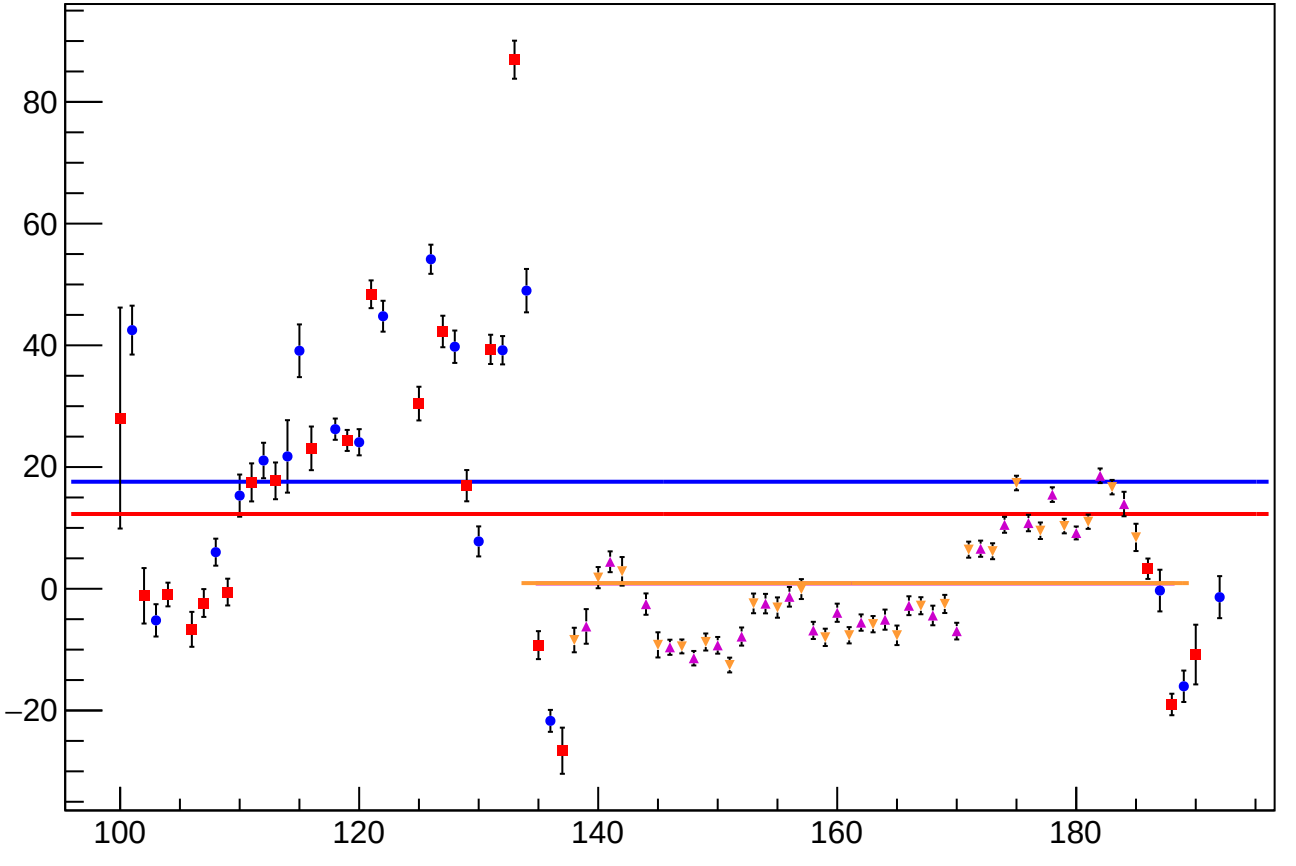
Right: 49.796+/-0.296 χ^2/NDF: 12468.1/39

In: 21.114+/-0.276 χ^2/NDF:15792.0/41

Out: 24.350+/-0.249 χ^2/NDF:15384.0/44

All: 22.898+/-0.185 χ^2/NDF: 31251.8/86

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: 12.287+/-0.548 χ^2/NDF: 1924.0/20

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

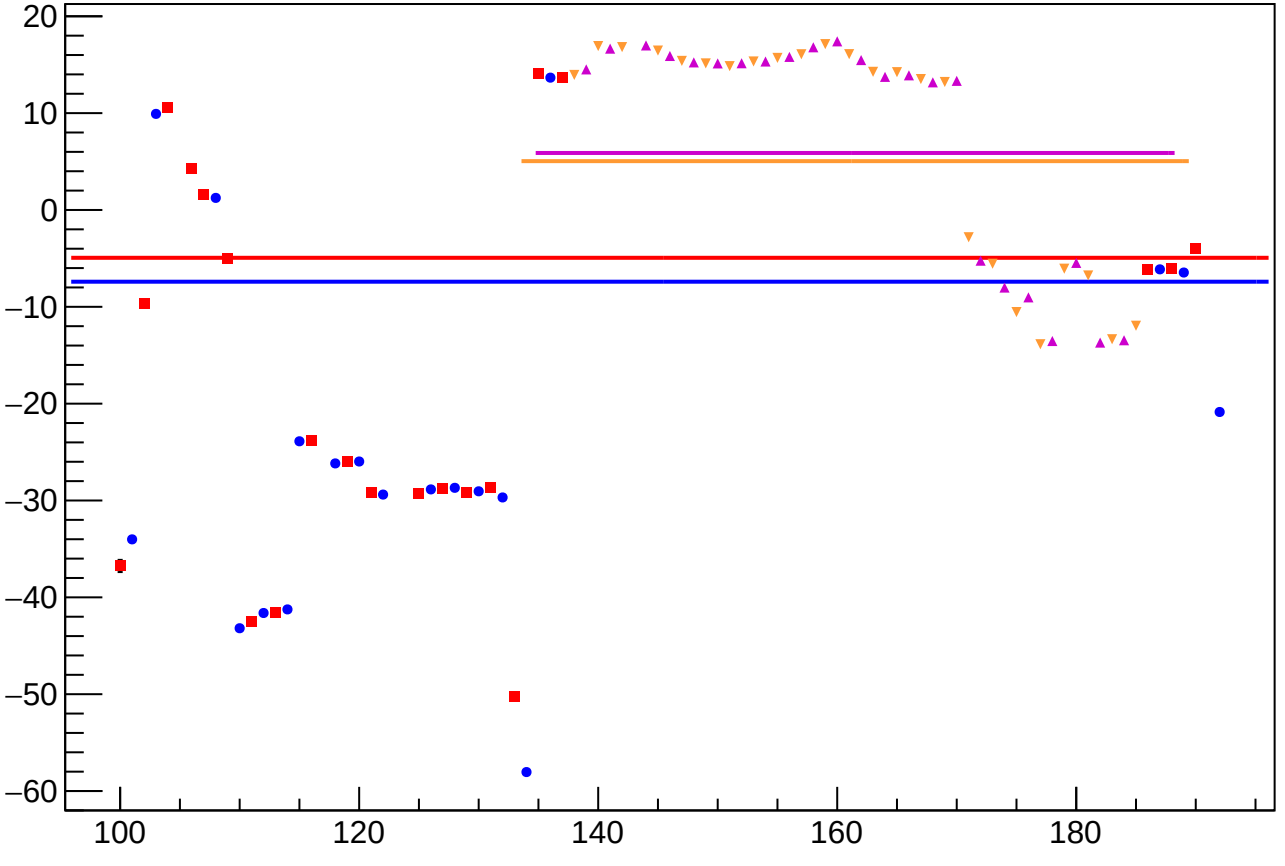
Right: 14.686+/-0.405 χ^2/NDF: 3466.1/39

In: 4.153+/-0.267 χ^2/NDF:3125.1/41

Out: 3.441+/-0.258 χ^2/NDF:3300.7/44

All: 3.785+/-0.185 χ^2/NDF: 6429.6/86

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: -4.938+/-0.030 χ^2/NDF: 307005.1/20

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

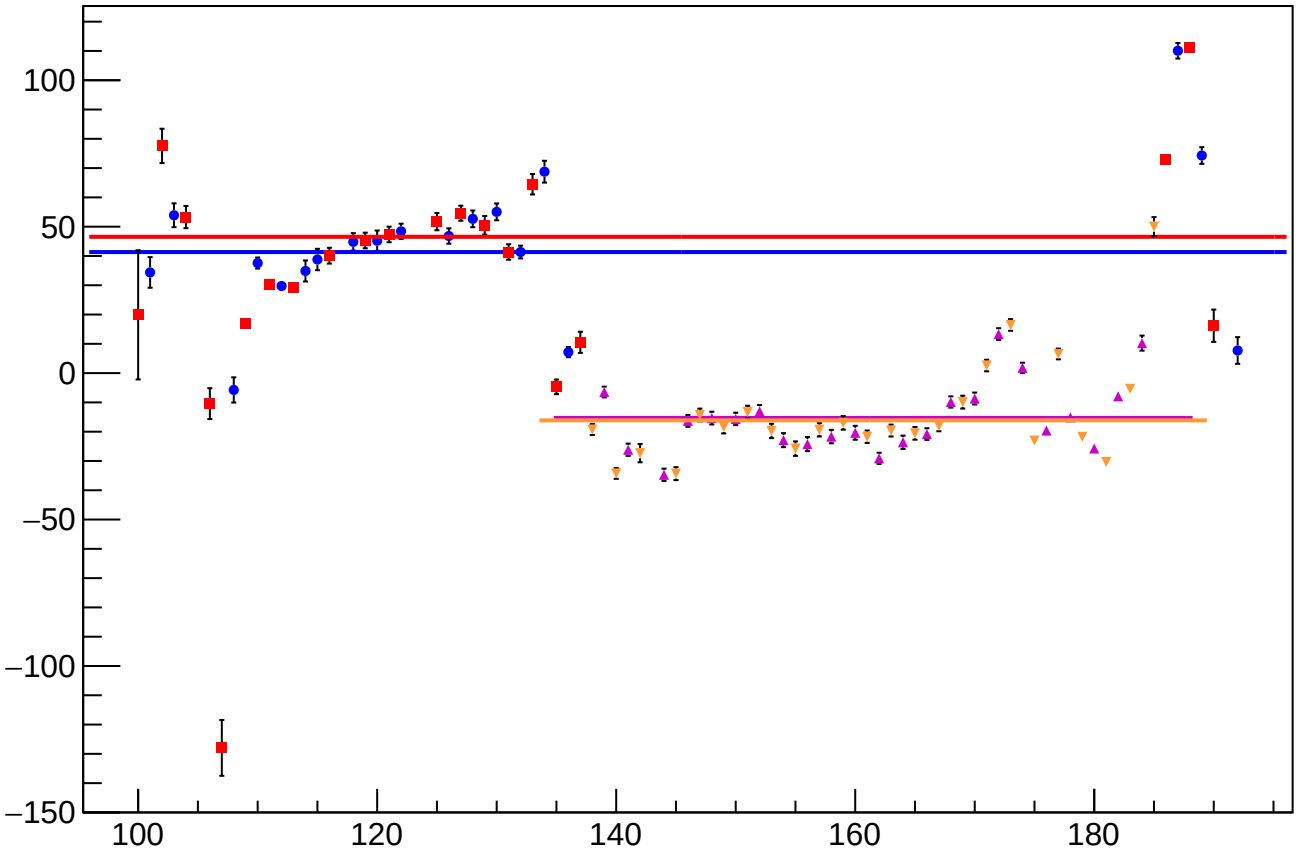
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -6.156+/-0.021 χ^2/NDF: 737218.6/39

In: 3.789+/-0.012 χ^2/NDF:1434500.1/41

Out: 3.449+/-0.012 χ^2/NDF:1255759.8/44

All: 3.618+/-0.008 χ^2/NDF: 2690660.0/86



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: 46.531+/-0.548 χ^2/NDF: 3723.9/20

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

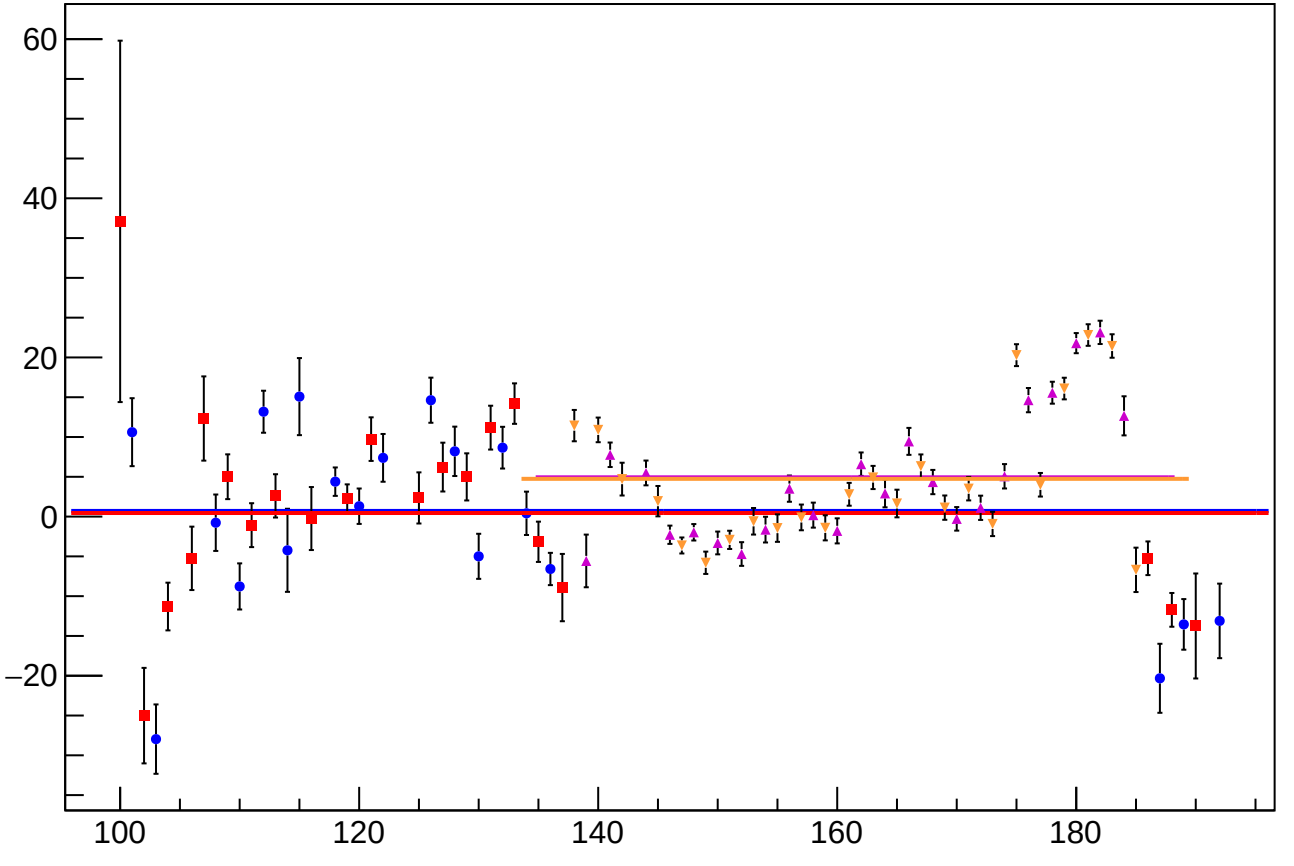
Right: 44.234+/-0.410 χ^2/NDF: 5302.3/39

In: 1.678+/-0.337 χ^2/NDF:8211.3/41

Out: 5.478+/-0.322 χ^2/NDF:13641.7/44

All: 3.666+/-0.233 χ^2/NDF: 21919.4/86

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.711+/-0.670 χ^2/NDF: 209.2/18

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: 0.450+/-0.642 χ^2/NDF: 161.5/20

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

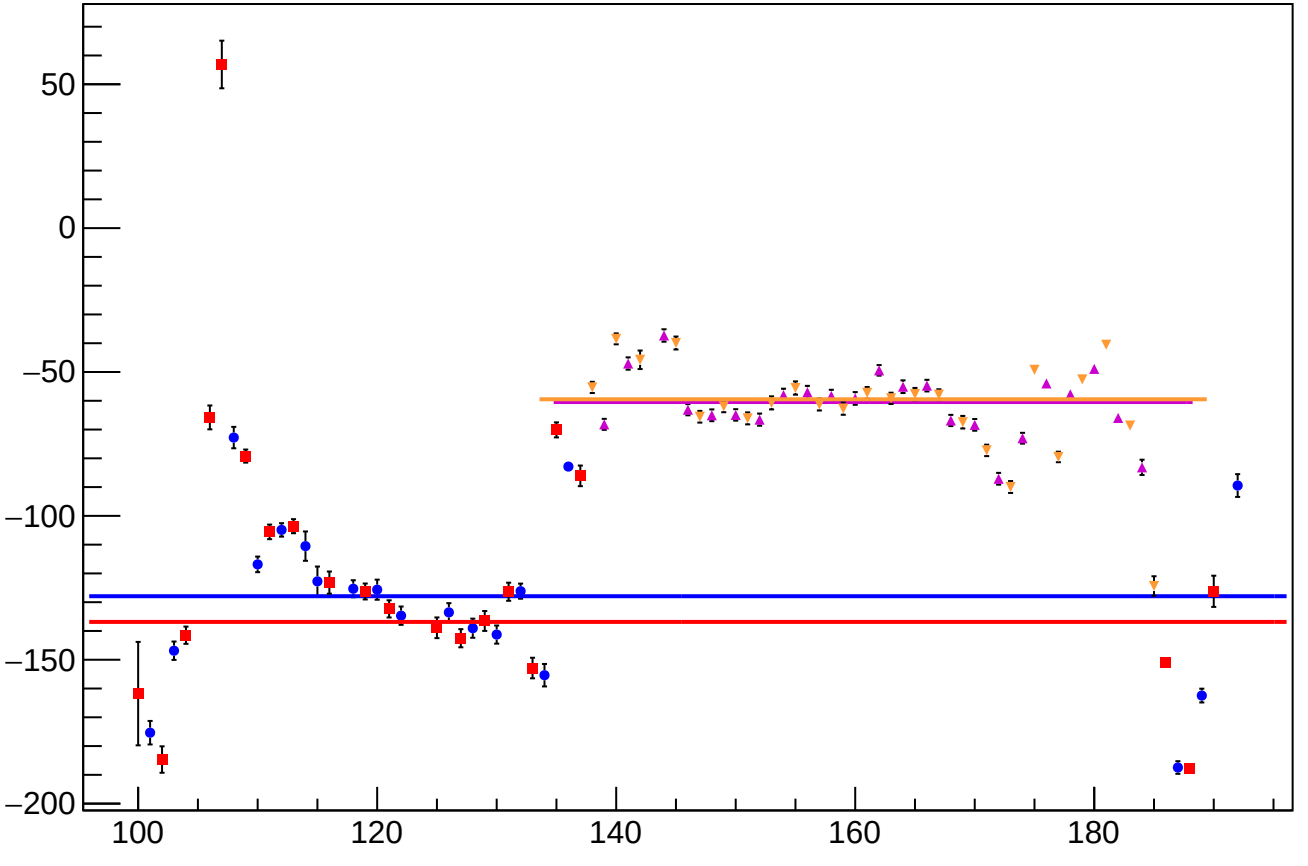
Right: 0.575+/-0.464 χ^2/NDF: 370.8/39

In: 4.178+/-0.284 χ^2/NDF:930.2/41

Out: 3.948+/-0.277 χ^2/NDF:991.6/44

All: 4.060+/-0.198 χ^2/NDF: 1922.2/86

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: -136.852+/-0.581 χ^2/NDF: 4705.0/20

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

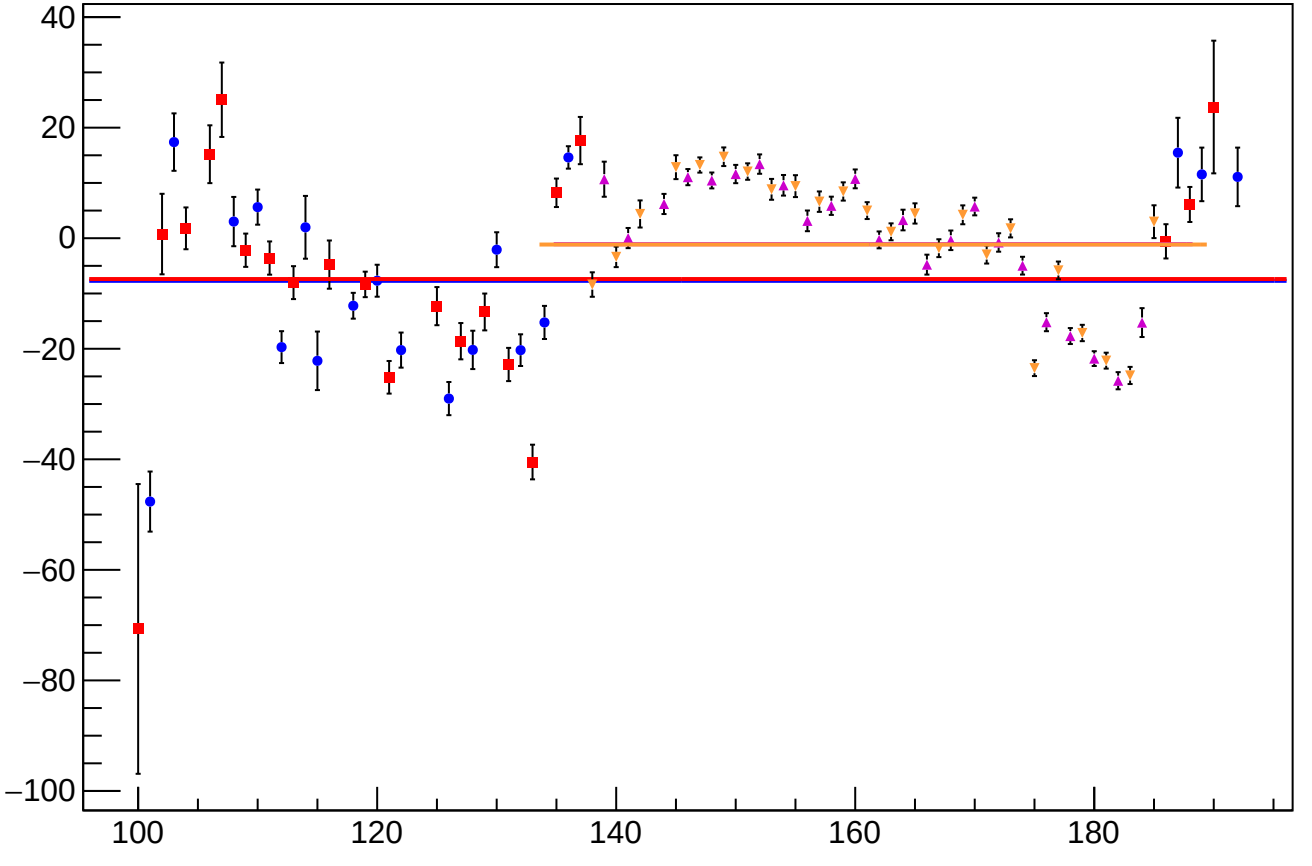
Right: -133.057+/-0.440 χ^2/NDF: 7111.6/39

In: -77.925+/-0.344 χ^2/NDF:10369.6/41

Out: -83.950+/-0.327 χ^2/NDF:18216.1/44

All: -81.093+/-0.237 χ^2/NDF: 28747.1/86

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: -7.387+/-0.760 χ^2/NDF: 351.8/20

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

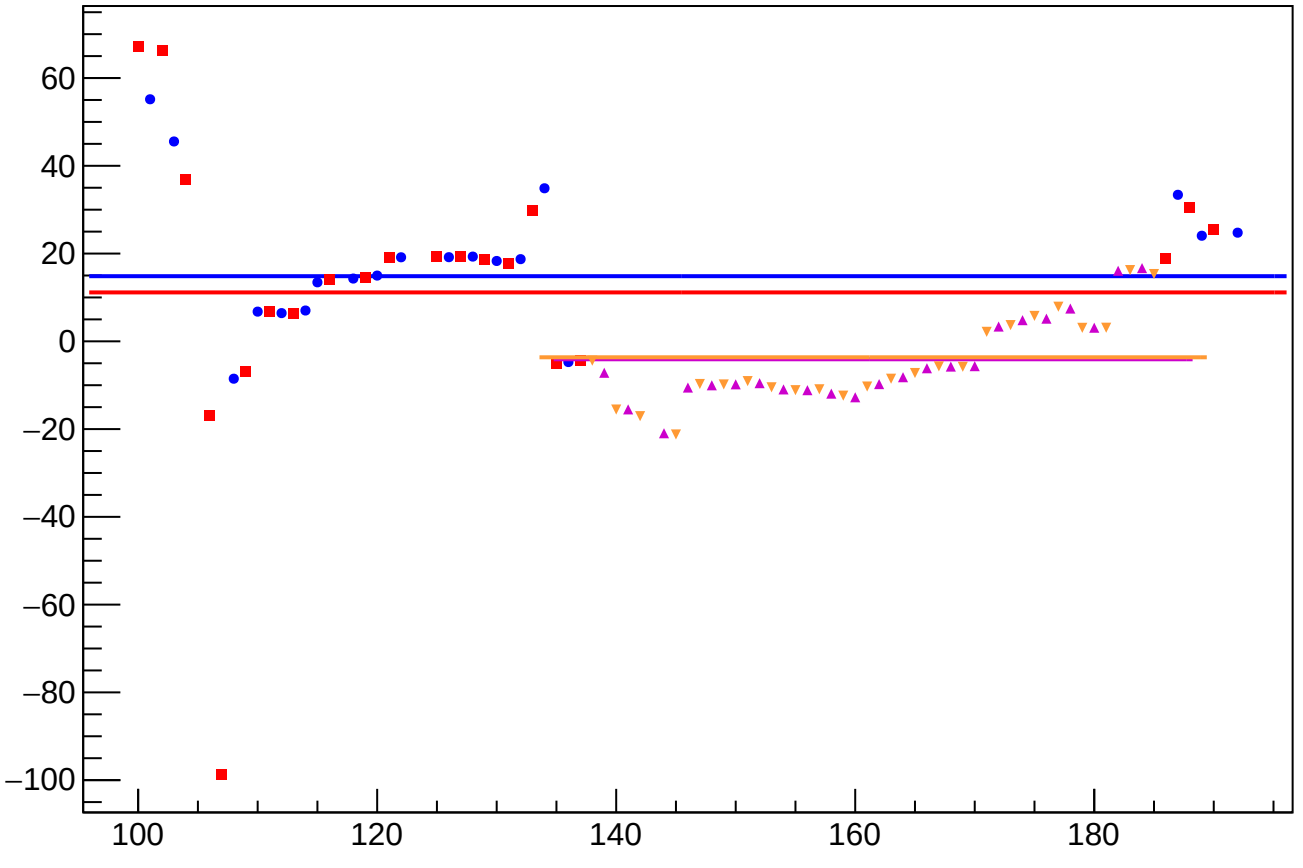
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -7.546+/-0.541 χ^2/NDF: 754.5/39

In: -2.224+/-0.320 χ^2/NDF:1621.2/41

Out: -2.215+/-0.315 χ^2/NDF:1710.7/44

All: -2.220+/-0.224 χ^2/NDF: 3331.9/86



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: 11.145+/-0.044 χ^2/NDF: 309896.3/20

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

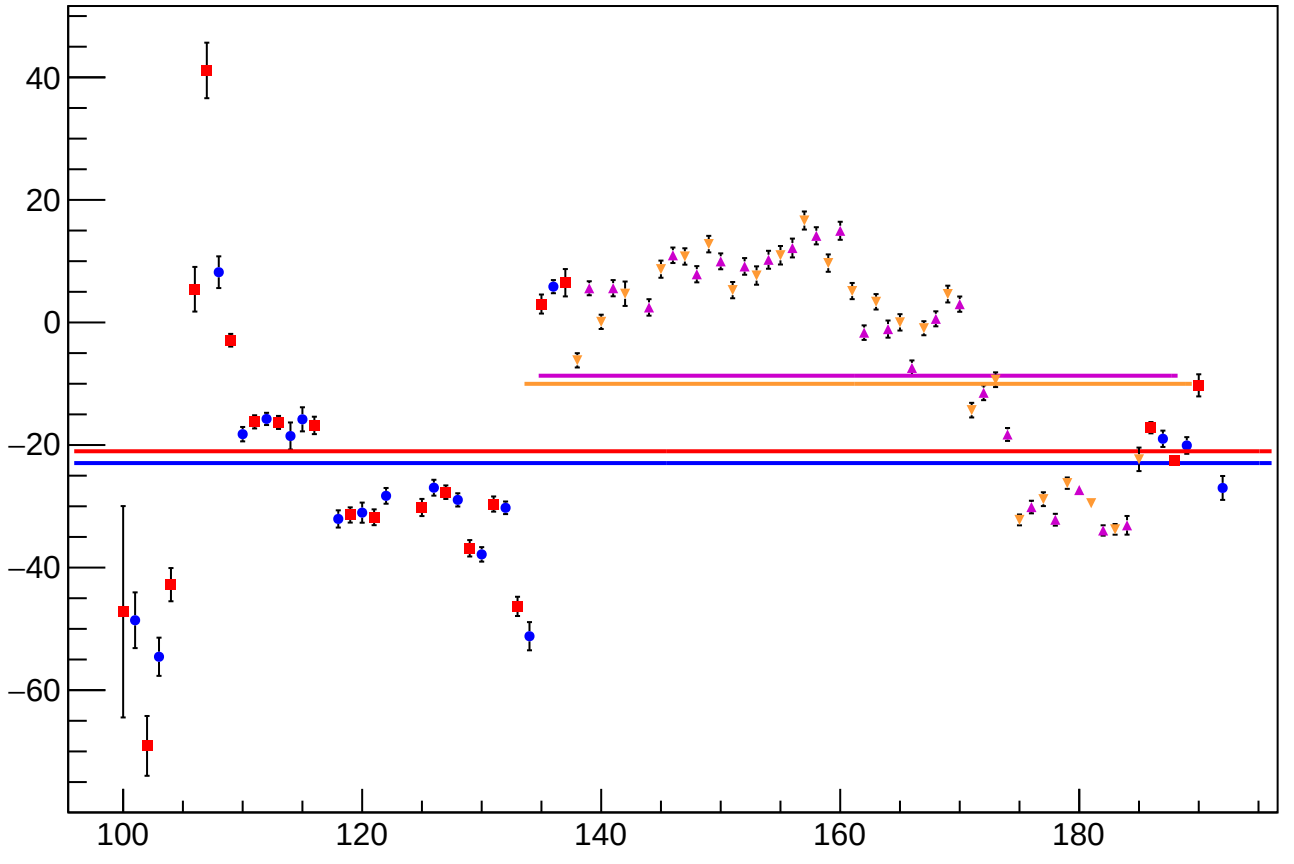
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 13.069+/-0.031 χ^2/NDF: 506329.6/39

In: -1.864+/-0.015 χ^2/NDF:700927.8/41

Out: -2.034+/-0.015 χ^2/NDF:755139.2/44

All: -1.949+/-0.010 χ^2/NDF: 1456134.9/86



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: -21.018+/-0.295 χ^2/NDF: 1873.7/20

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

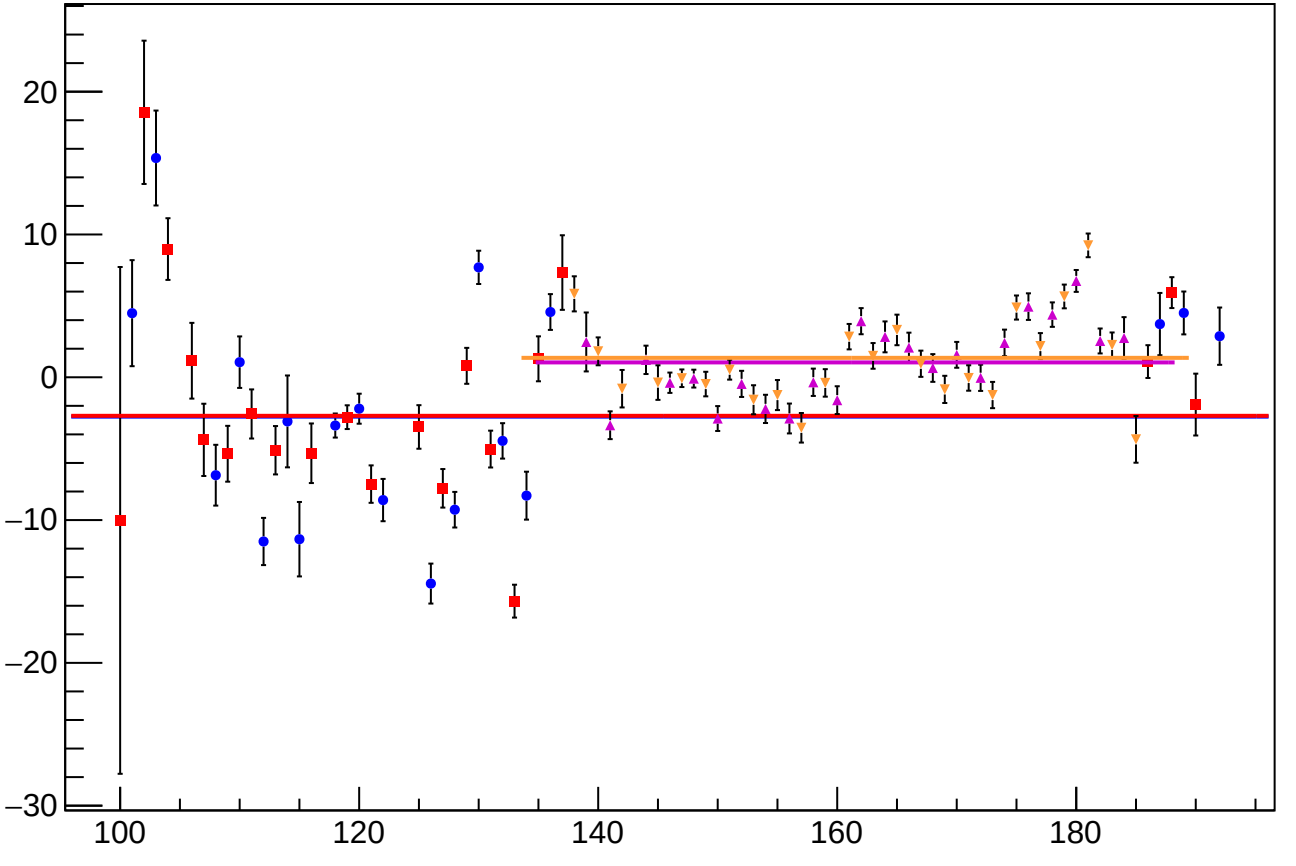
Right: -21.892+/-0.218 χ^2/NDF: 3479.5/39

In: -13.943+/-0.197 χ^2/NDF:7829.2/41

Out: -14.483+/-0.188 χ^2/NDF:7675.2/44

All: -14.225+/-0.136 χ^2/NDF: 15508.4/86

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -2.699+/-0.331 χ^2/NDF: 317.1/20

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

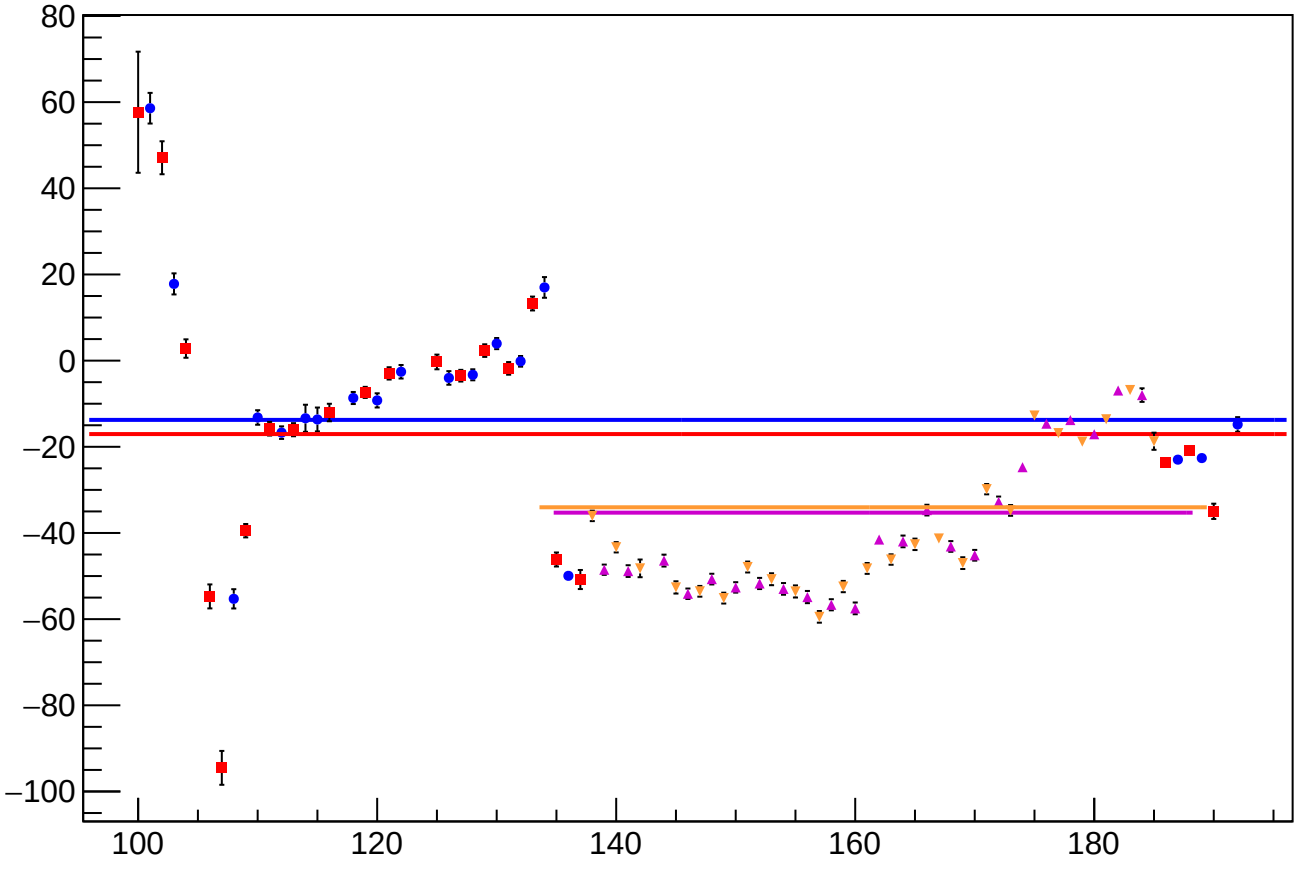
Right: -2.726+/-0.238 χ^2/NDF: 678.7/39

In: 0.132+/-0.168 χ^2/NDF:650.8/41

Out: 0.370+/-0.164 χ^2/NDF:670.9/44

All: 0.254+/-0.117 χ^2/NDF: 1322.8/86

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: -17.045+/-0.307 χ^2/NDF: 2946.1/20

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

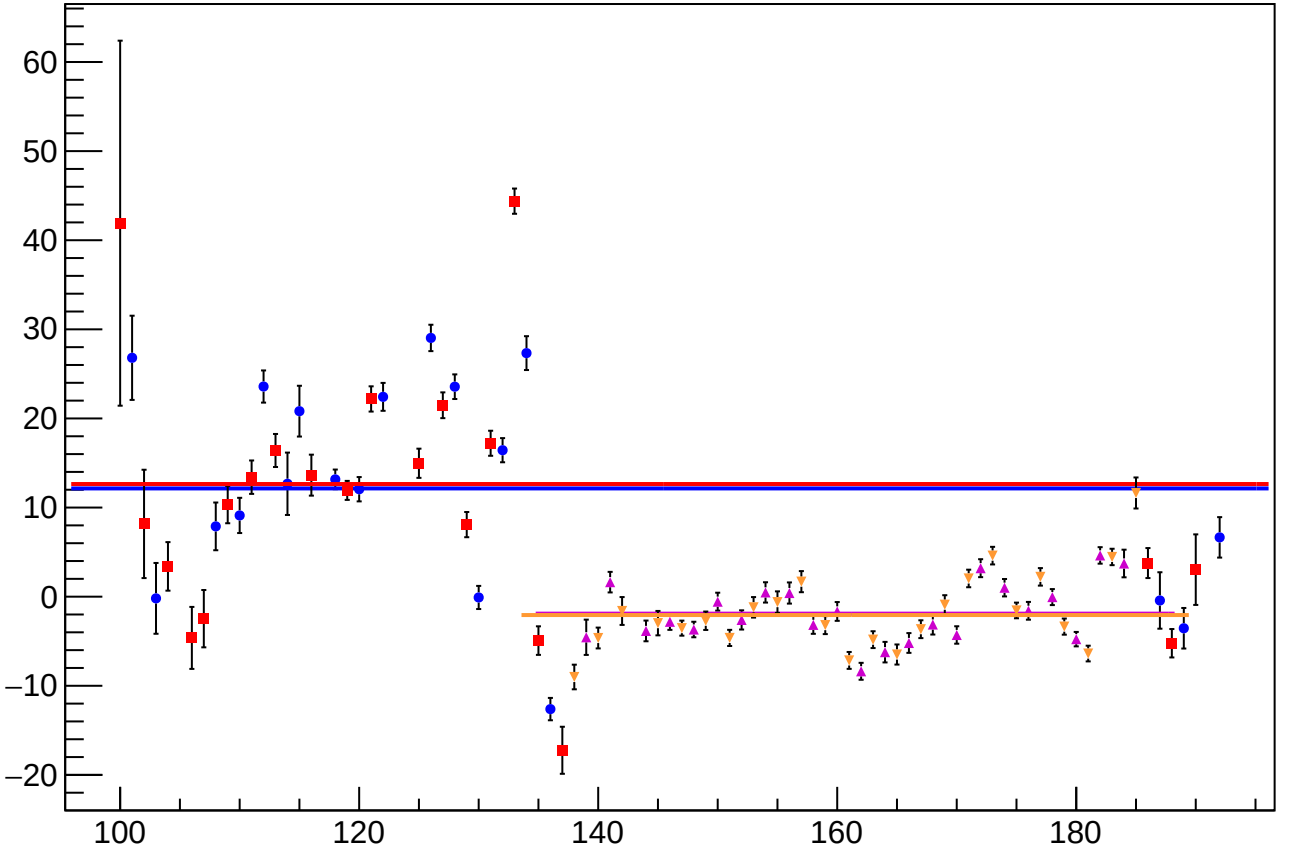
Right: -15.630+/-0.232 χ^2/NDF: 5821.1/39

In: -28.288+/-0.202 χ^2/NDF:10324.8/41

Out: -27.512+/-0.190 χ^2/NDF:9796.2/44

All: -27.878+/-0.138 χ^2/NDF: 20128.8/86

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 12.641+/-0.395 χ^2/NDF: 1083.0/20

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

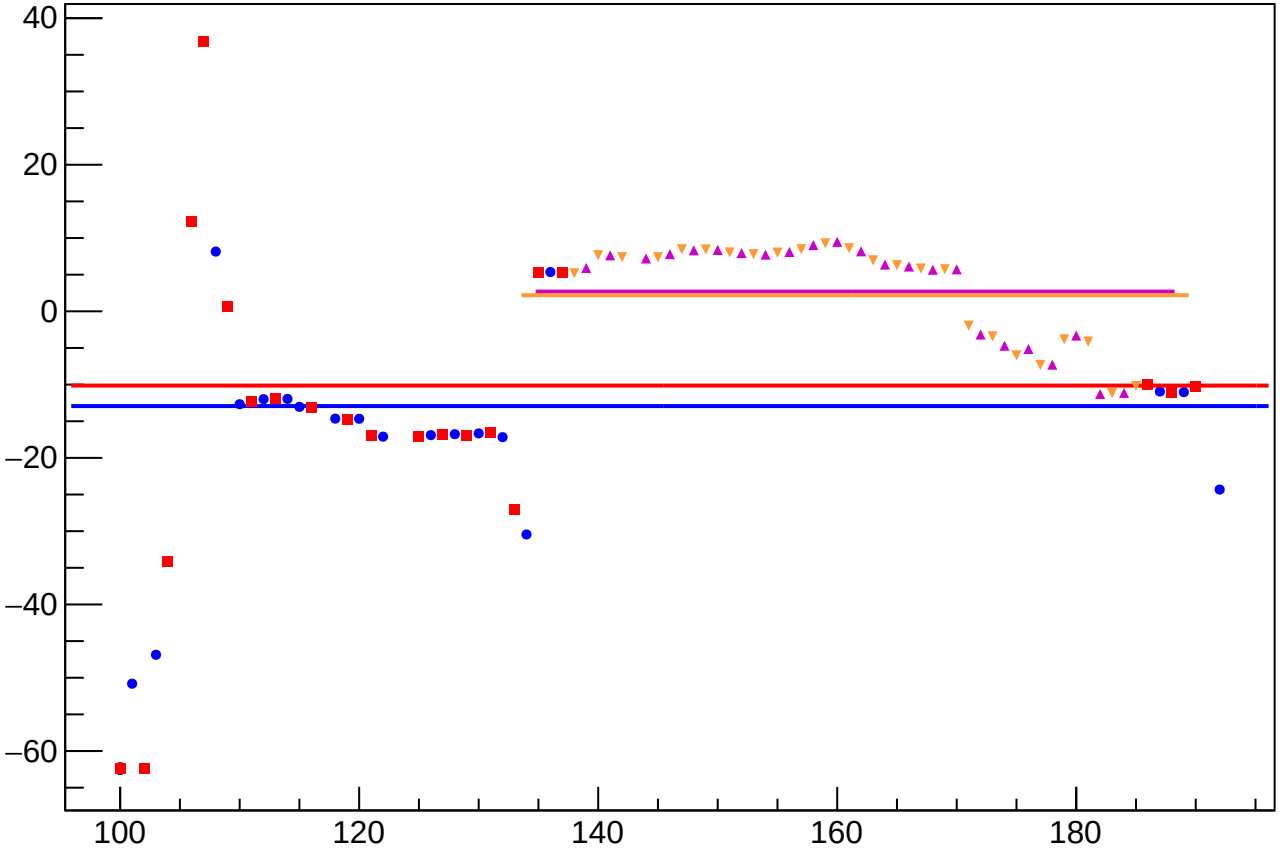
Right: 12.396+/-0.280 χ^2/NDF: 2021.2/39

In: 1.292+/-0.190 χ^2/NDF:2120.6/41

Out: 1.233+/-0.187 χ^2/NDF:2490.8/44

All: 1.262+/-0.133 χ^2/NDF: 4611.4/86

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -10.135+/-0.025 χ^2/NDF: 396465.1/20

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

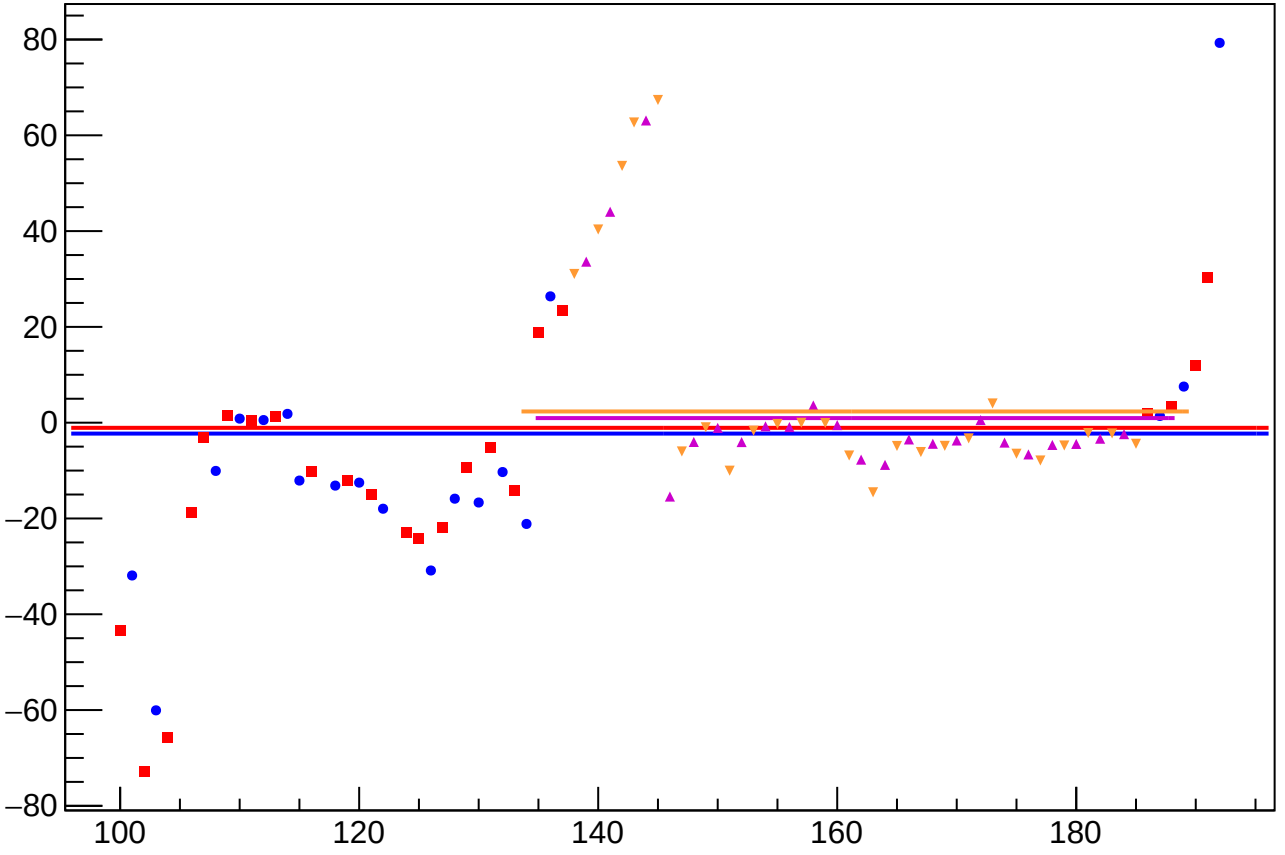
Right: -11.596+/-0.017 χ^2/NDF: 791896.4/39

In: 0.507+/-0.009 χ^2/NDF:1262167.1/41

Out: 0.619+/-0.009 χ^2/NDF:1121005.6/44

All: 0.563+/-0.006 χ^2/NDF: 2383252.9/86

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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: -1.074+/-0.041 χ^2/NDF: 86112.6/22

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

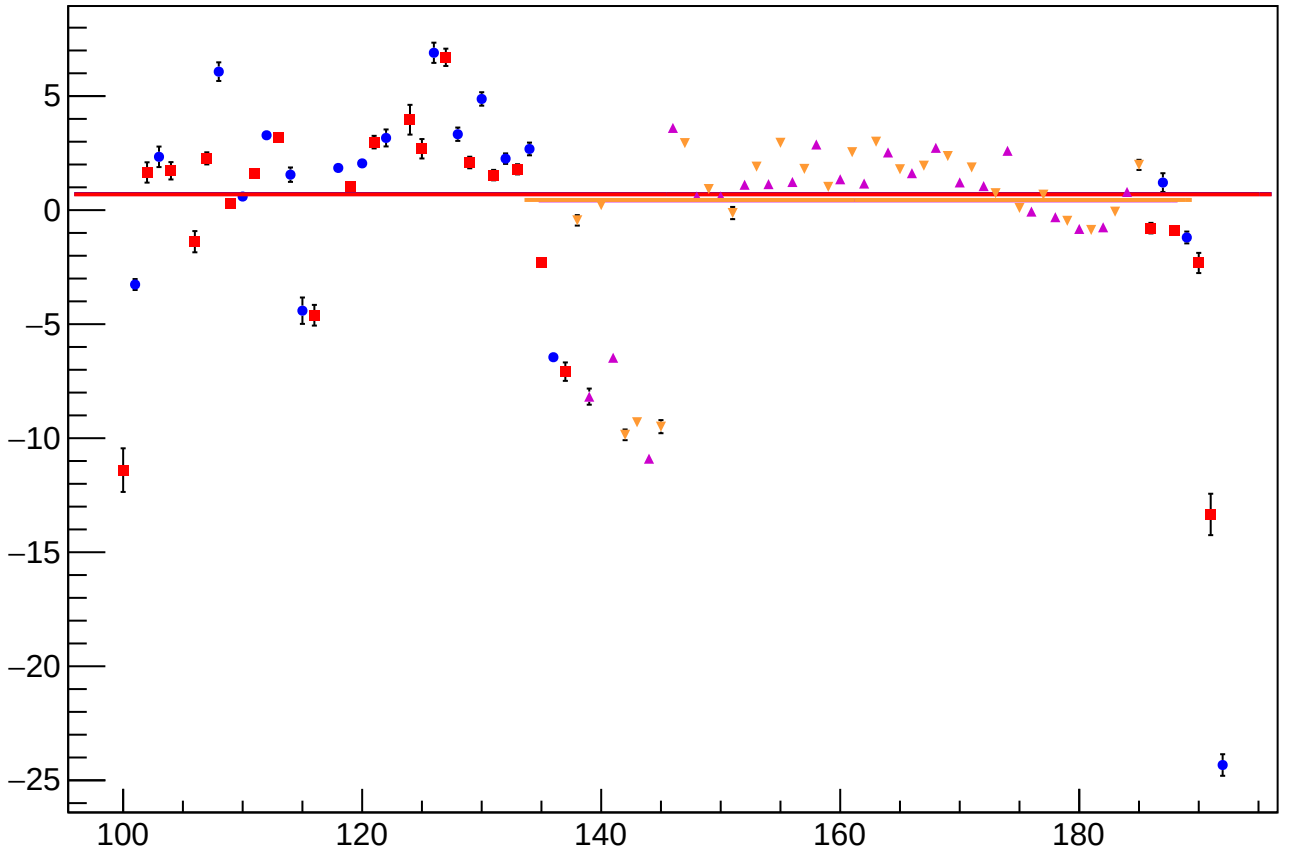
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: -1.538+/-0.032 χ^2/NDF: 196270.8/41

In: -0.250+/-0.032 χ^2/NDF:244794.6/41

Out: 0.663+/-0.029 χ^2/NDF:266633.2/47

All: 0.250+/-0.021 χ^2/NDF: 511885.5/89



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: 0.692+/-0.052 χ^2/NDF: 2071.0/22

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

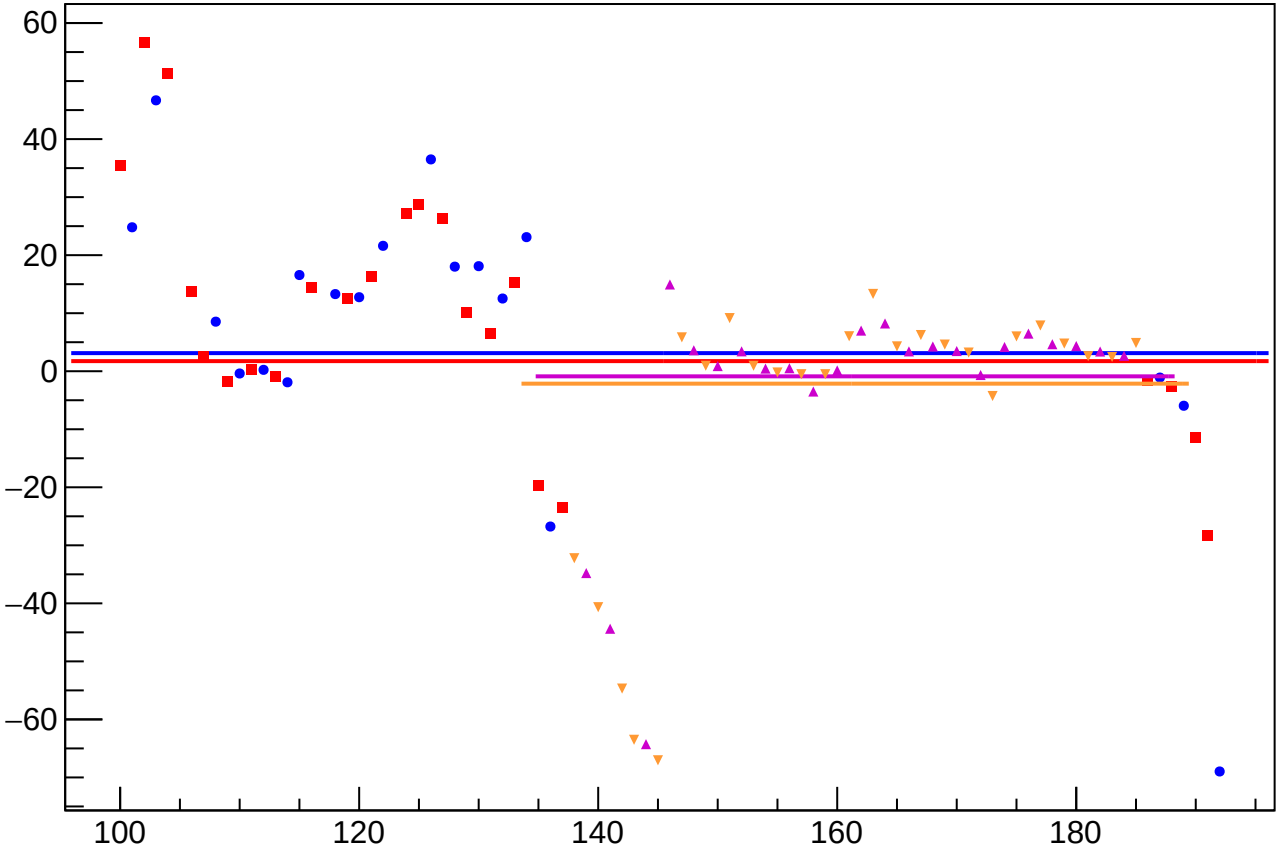
Right: 0.698+/-0.039 χ^2/NDF: 7579.7/41

In: 0.491+/-0.028 χ^2/NDF:12628.8/41

Out: 0.517+/-0.028 χ^2/NDF:9131.4/47

All: 0.504+/-0.020 χ^2/NDF: 21760.7/89

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 1.741+/-0.046 χ^2/NDF: 83842.7/22

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

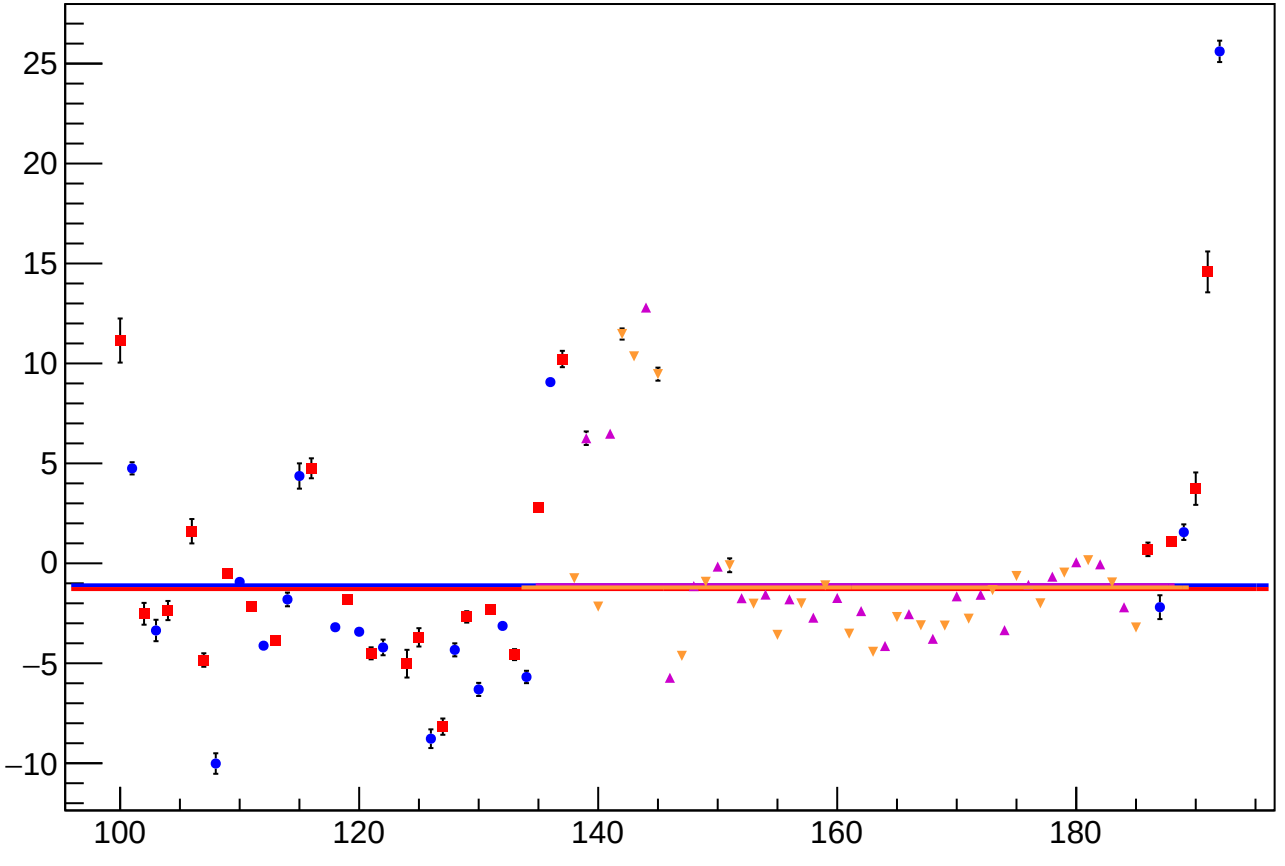
Right: 2.264+/-0.036 χ^2/NDF: 192437.1/41

In: 0.361+/-0.033 χ^2/NDF:240658.8/41

Out: -0.452+/-0.030 χ^2/NDF:259166.7/47

All: -0.077+/-0.022 χ^2/NDF: 500158.8/89

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -1.288+/-0.061 χ^2/NDF: 2911.7/22

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

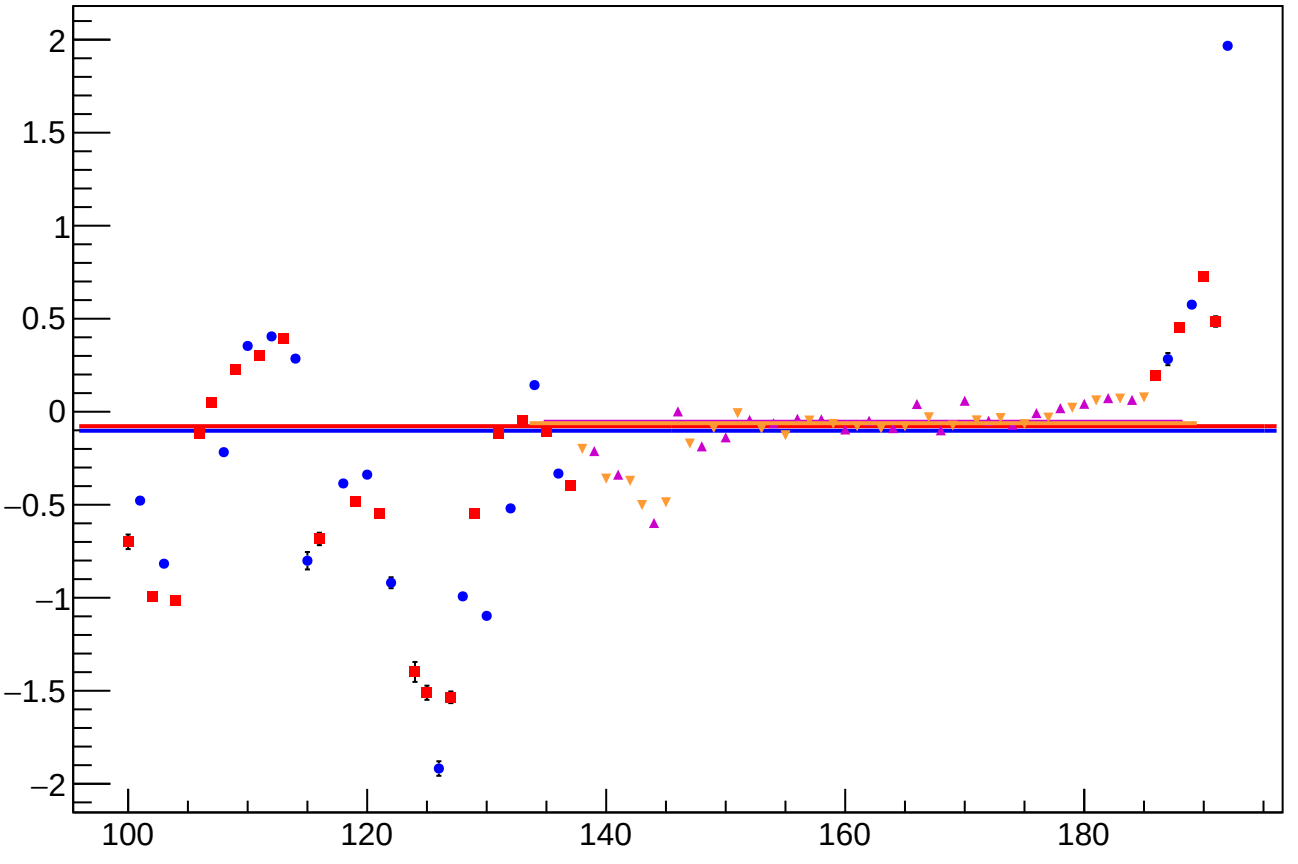
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -1.204+/-0.045 χ^2/NDF: 10039.3/41

In: -1.095+/-0.031 χ^2/NDF:14152.5/41

Out: -1.227+/-0.031 χ^2/NDF:9916.0/47

All: -1.161+/-0.022 χ^2/NDF: 24077.7/89



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: -0.078+/-0.004 χ^2/NDF: 19409.7/22

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

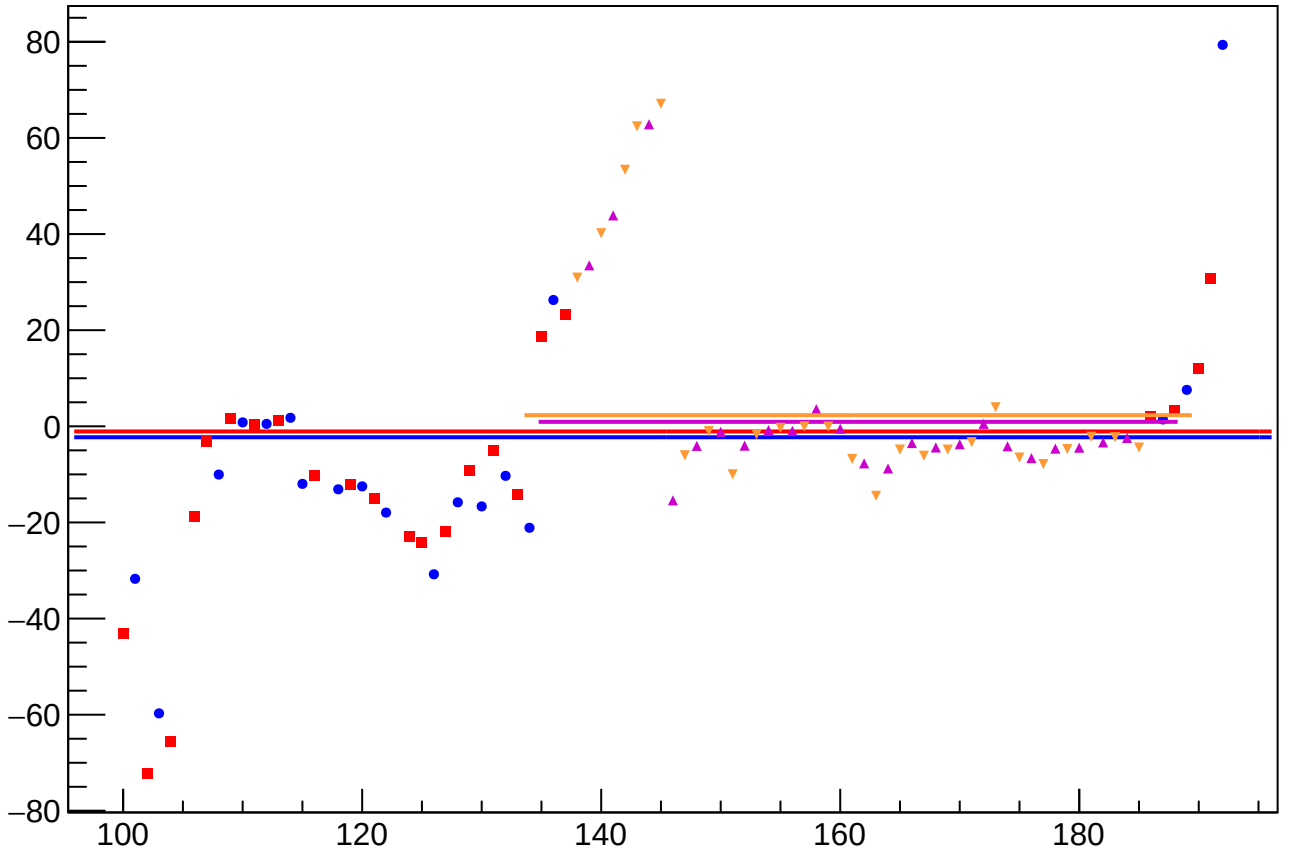
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: -0.089+/-0.003 χ^2/NDF: 49751.1/41

In: -0.060+/-0.001 χ^2/NDF:35483.1/41

Out: -0.064+/-0.001 χ^2/NDF:25138.8/47

All: -0.062+/-0.001 χ^2/NDF: 60626.5/89



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: -1.067+/-0.041 χ^2/NDF: 86124.8/22

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

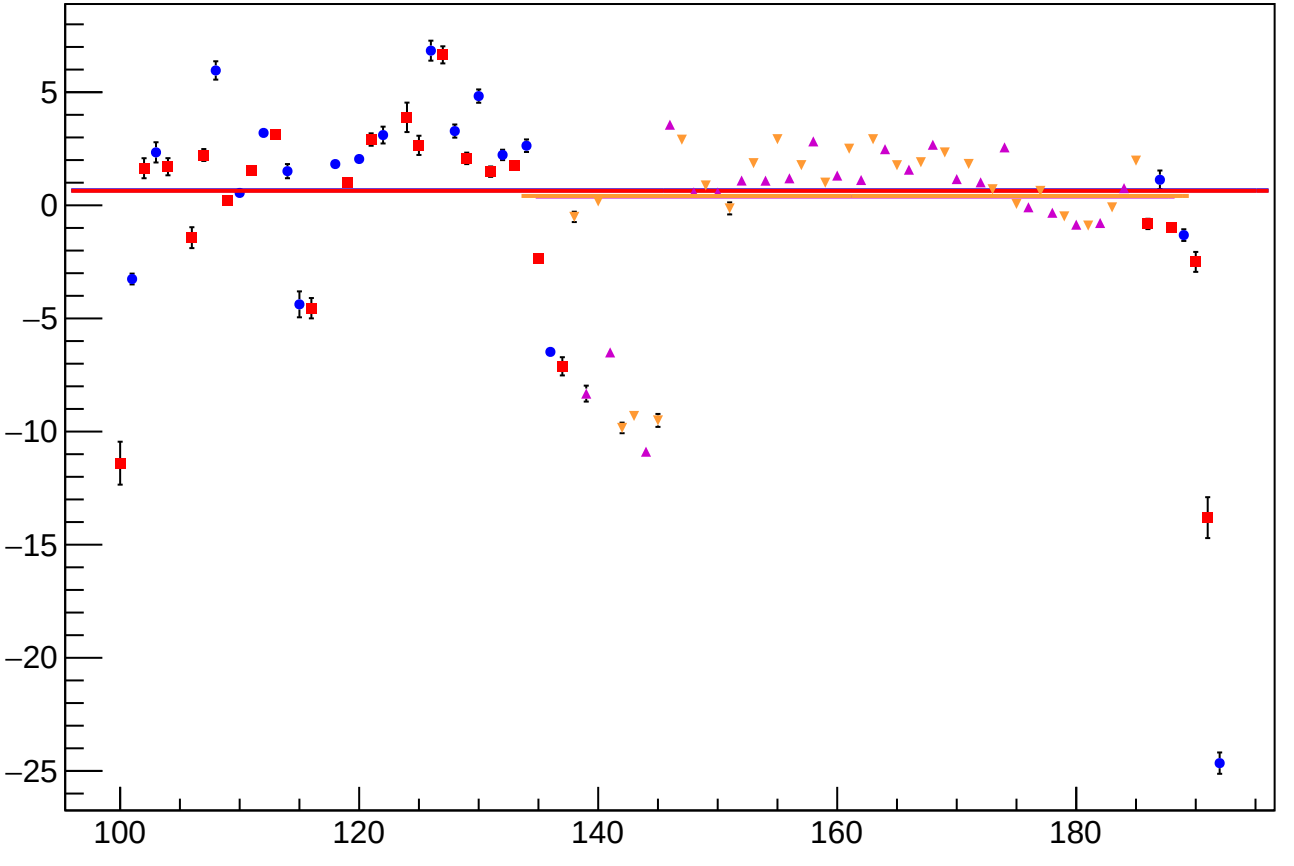
Right: -1.532+/-0.032 χ^2/NDF: 196585.8/41

In: -0.268+/-0.031 χ^2/NDF:244962.9/41

Out: 0.648+/-0.029 χ^2/NDF:266381.1/47

All: 0.234+/-0.021 χ^2/NDF: 511808.0/89

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 0.641+/-0.052 χ^2/NDF: 2108.1/22

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

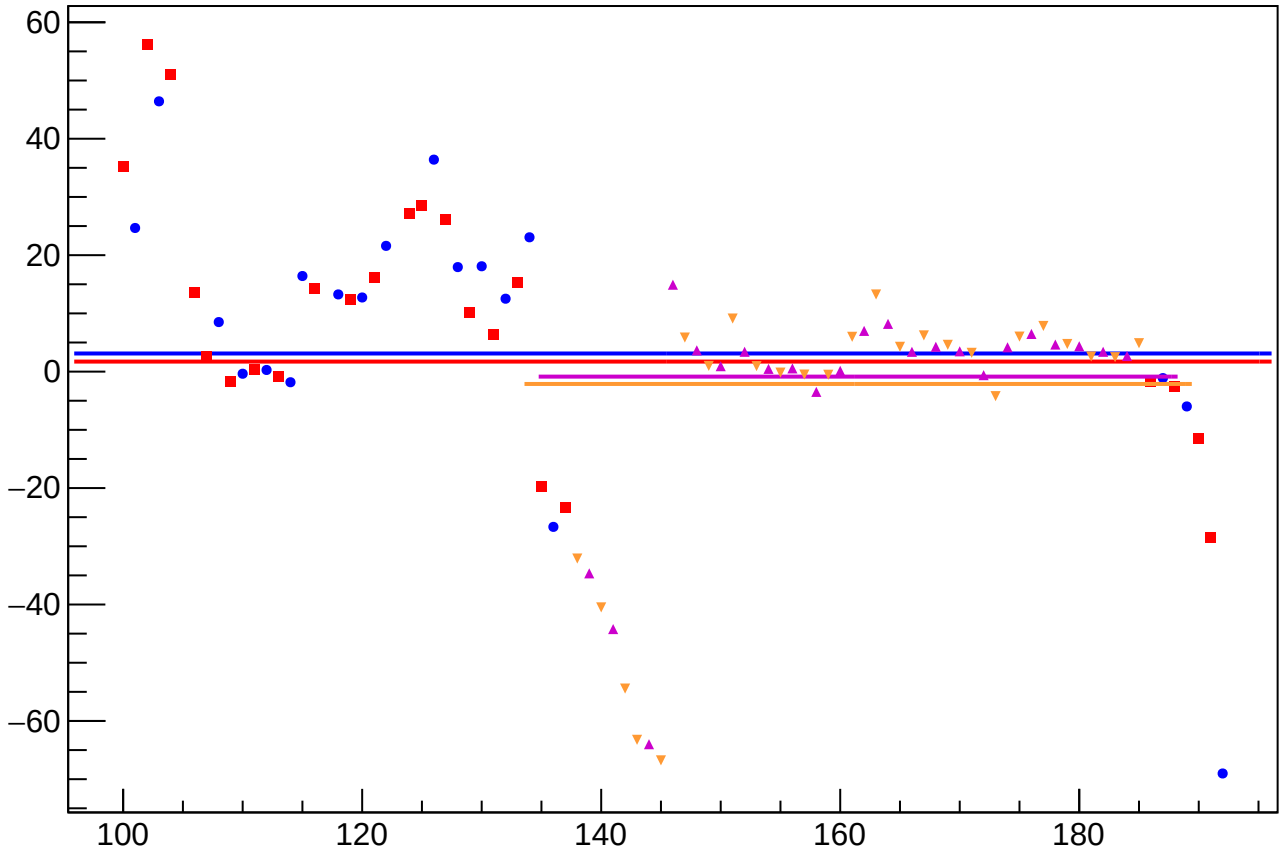
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.651+/-0.038 χ^2/NDF: 7709.1/41

In: 0.452+/-0.028 χ^2/NDF:12732.7/41

Out: 0.479+/-0.028 χ^2/NDF:9169.2/47

All: 0.465+/-0.019 χ^2/NDF: 21902.3/89



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: 1.723+/-0.045 χ^2/NDF: 83862.7/22

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

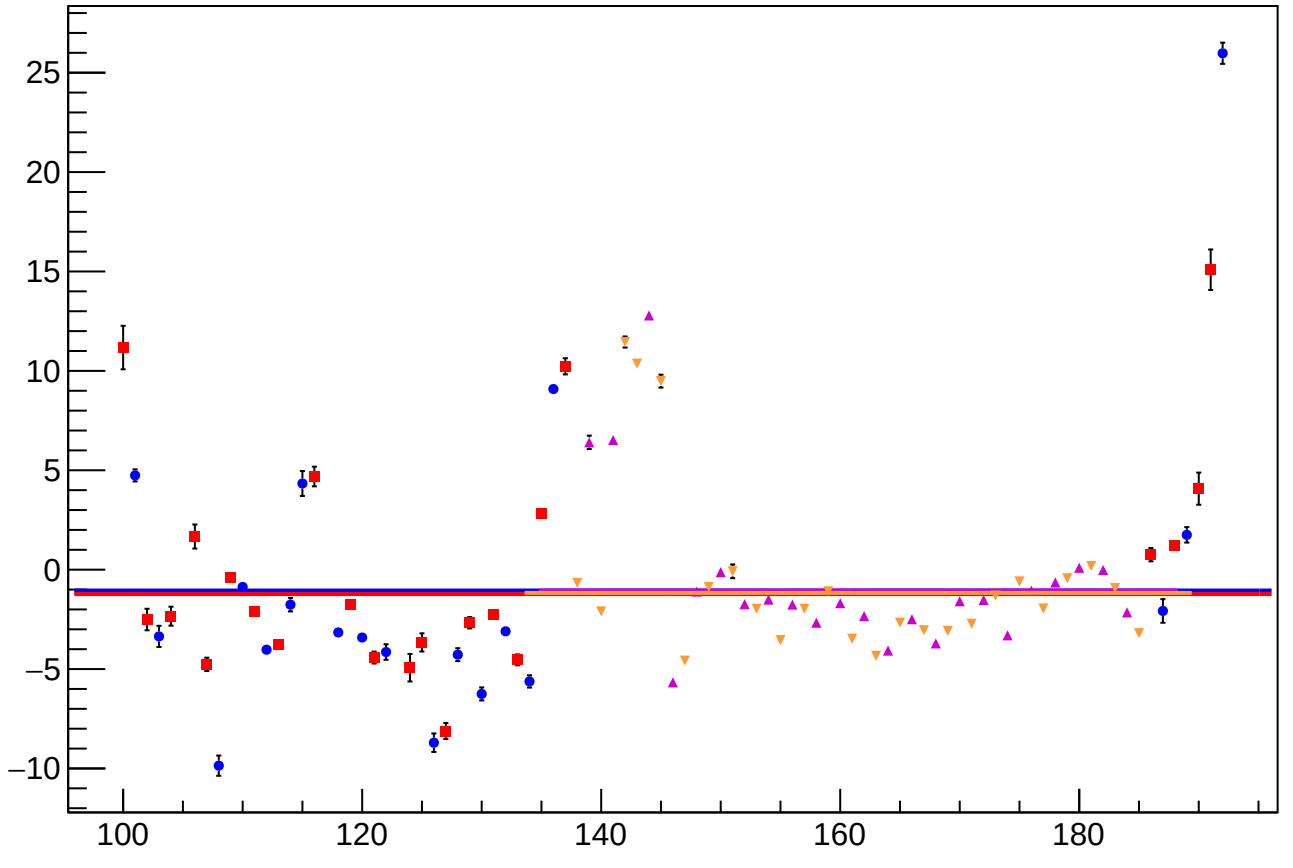
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: 2.249+/-0.036 χ^2/NDF: 192754.5/41

In: 0.379+/-0.033 χ^2/NDF:240816.3/41

Out: -0.437+/-0.030 χ^2/NDF:258917.8/47

All: -0.061+/-0.022 χ^2/NDF: 500073.3/89



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: -1.227+/-0.061 χ^2/NDF: 2951.3/22

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

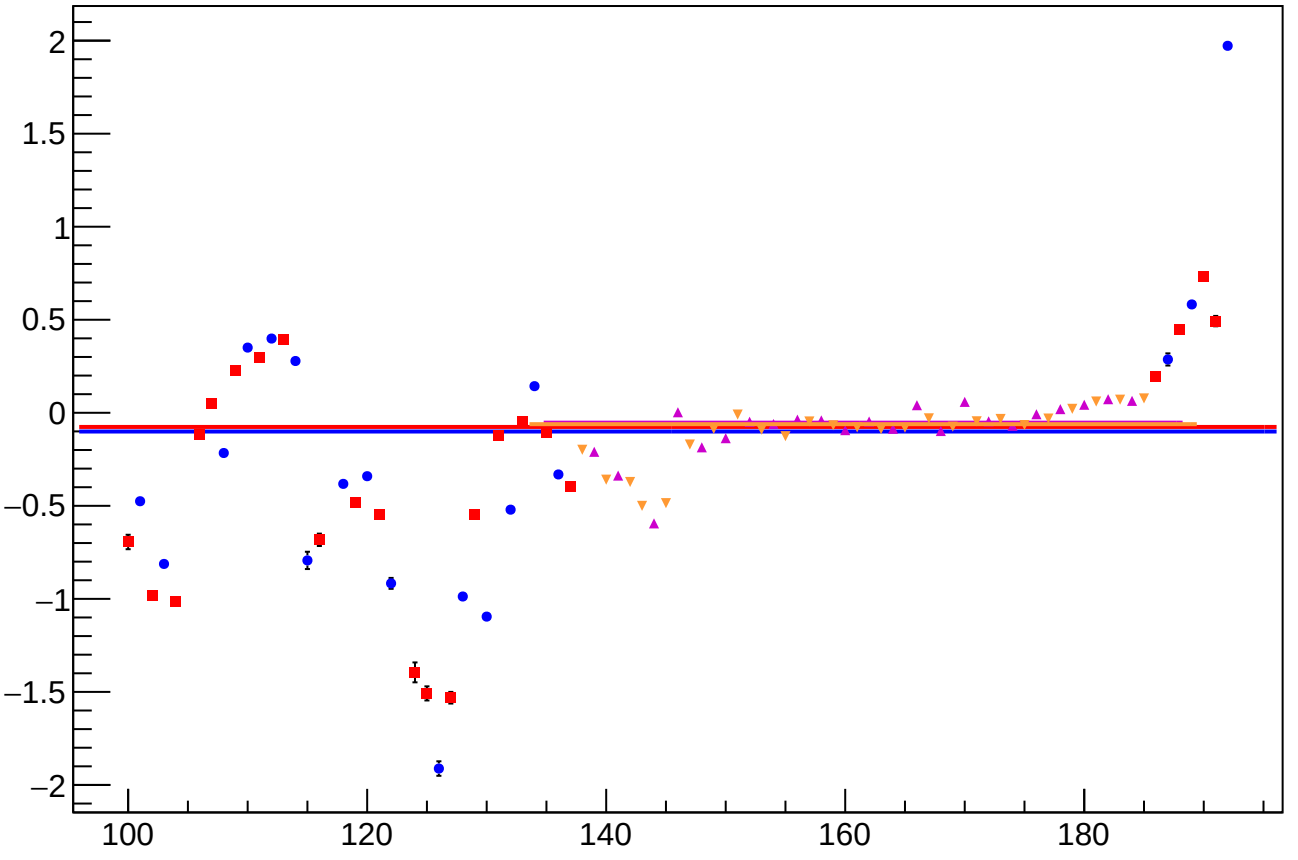
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -1.147+/-0.045 χ^2/NDF: 10162.6/41

In: -1.048+/-0.031 χ^2/NDF:14248.2/41

Out: -1.183+/-0.031 χ^2/NDF:9953.3/47

All: -1.115+/-0.022 χ^2/NDF: 24211.0/89



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: -0.076+/-0.004 χ^2/NDF: 19475.8/22

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

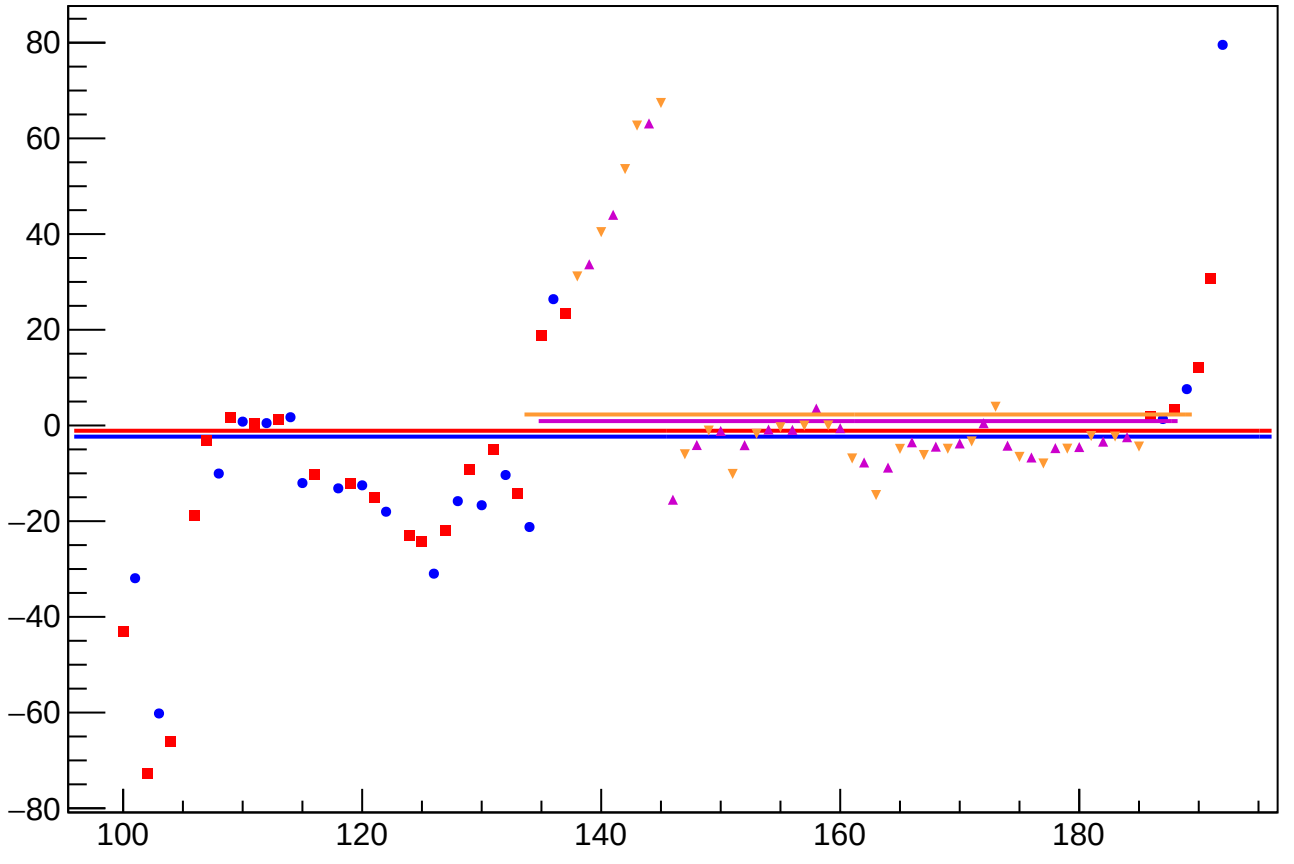
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: -0.087+/-0.003 χ^2/NDF: 50026.3/41

In: -0.059+/-0.001 χ^2/NDF:35665.4/41

Out: -0.064+/-0.001 χ^2/NDF:25220.2/47

All: -0.061+/-0.001 χ^2/NDF: 60890.8/89



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: -1.101+/-0.041 χ^2/NDF: 86158.2/22

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

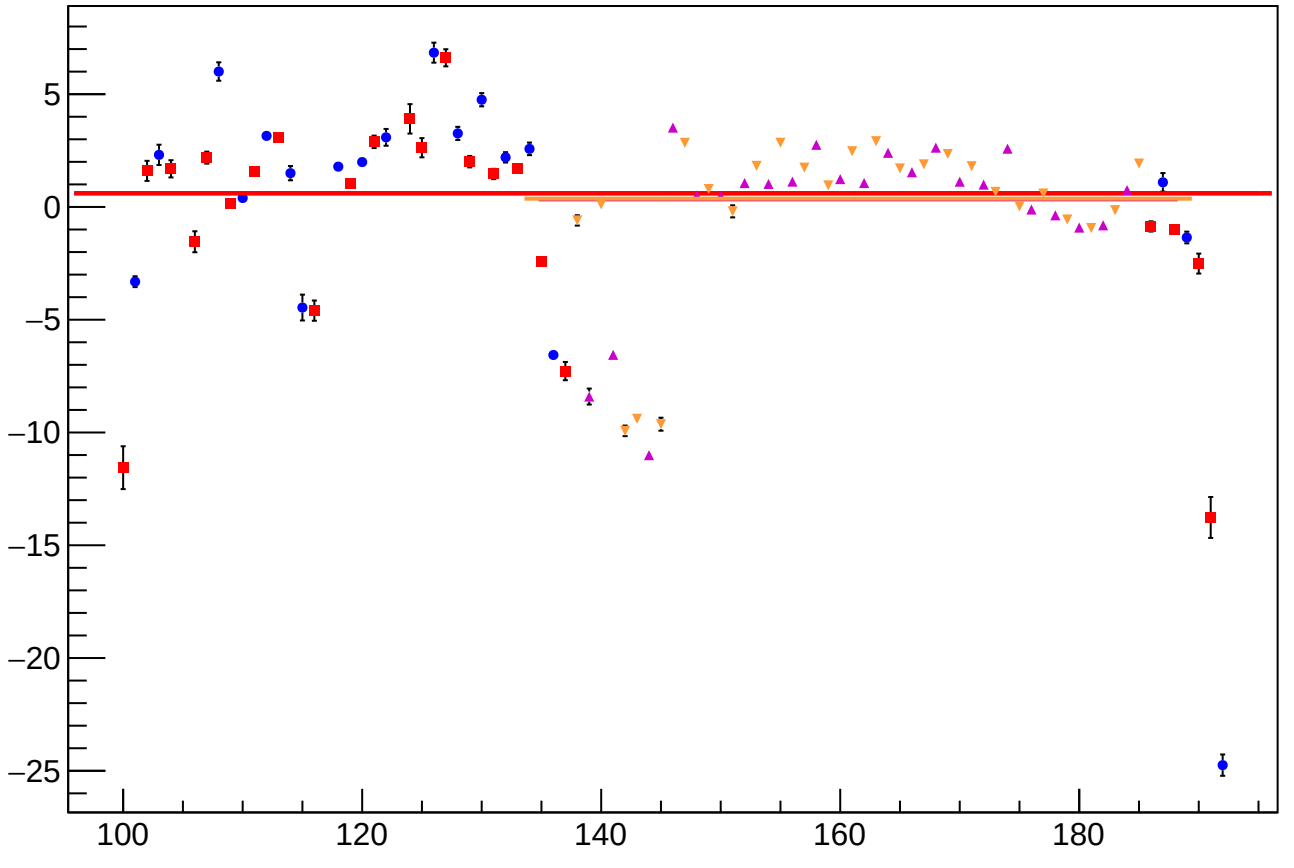
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: -1.574+/-0.032 χ^2/NDF: 196609.0/41

In: -0.299+/-0.032 χ^2/NDF:245138.2/41

Out: 0.622+/-0.029 χ^2/NDF:266845.2/47

All: 0.206+/-0.021 χ^2/NDF: 512449.0/89



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: 0.599+/-0.052 χ^2/NDF: 2118.0/22

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

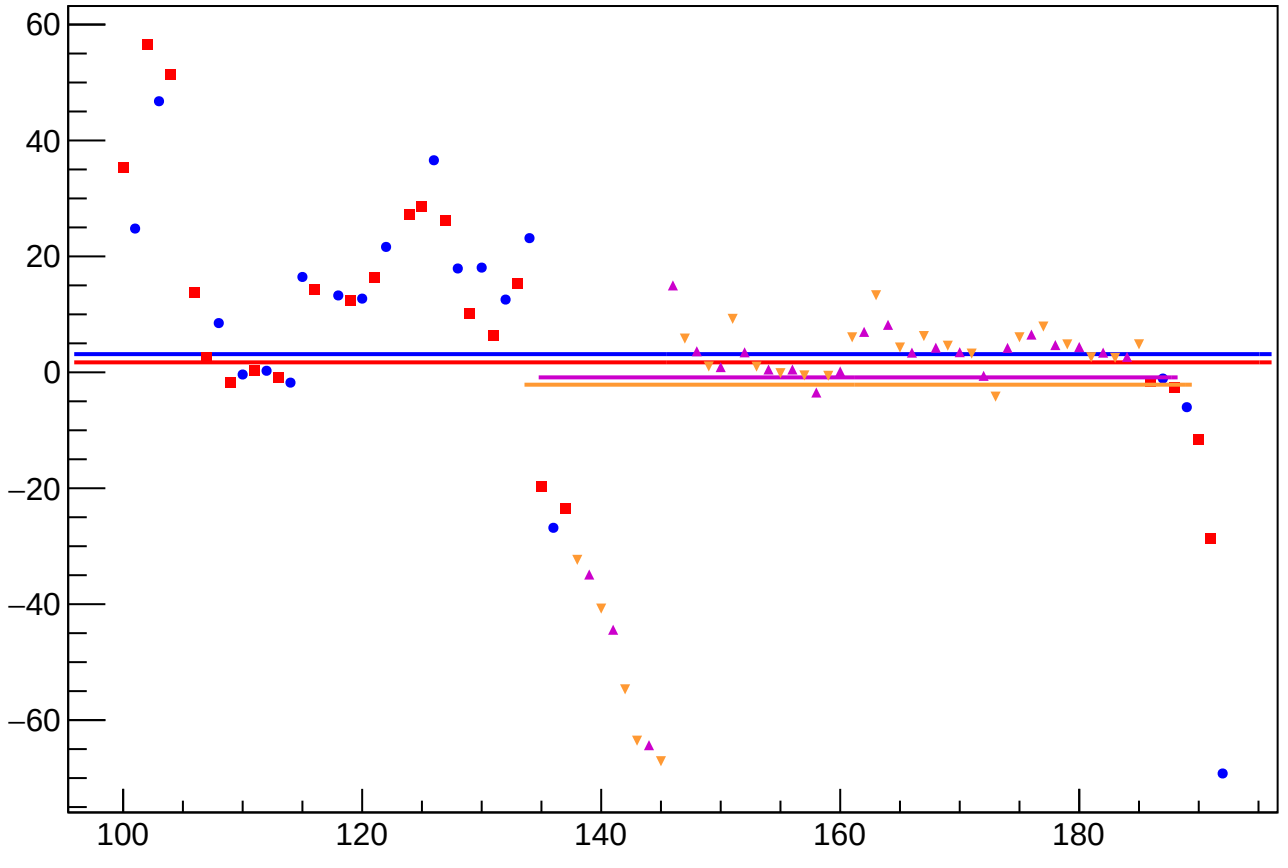
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 0.603+/-0.039 χ^2/NDF: 7715.5/41

In: 0.399+/-0.028 χ^2/NDF:12708.8/41

Out: 0.434+/-0.028 χ^2/NDF:9200.2/47

All: 0.416+/-0.020 χ^2/NDF: 21909.8/89



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: 1.720+/-0.046 χ^2/NDF: 83930.0/22

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

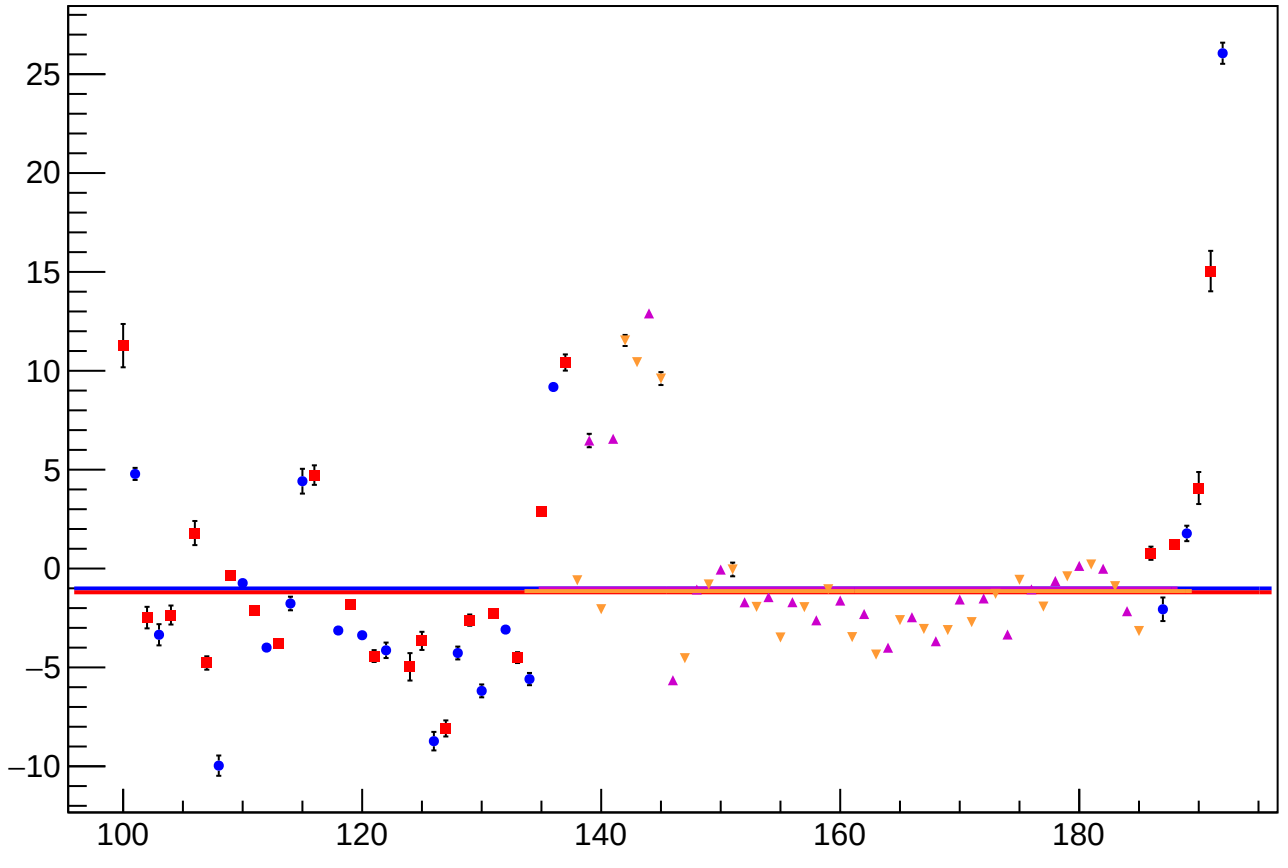
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

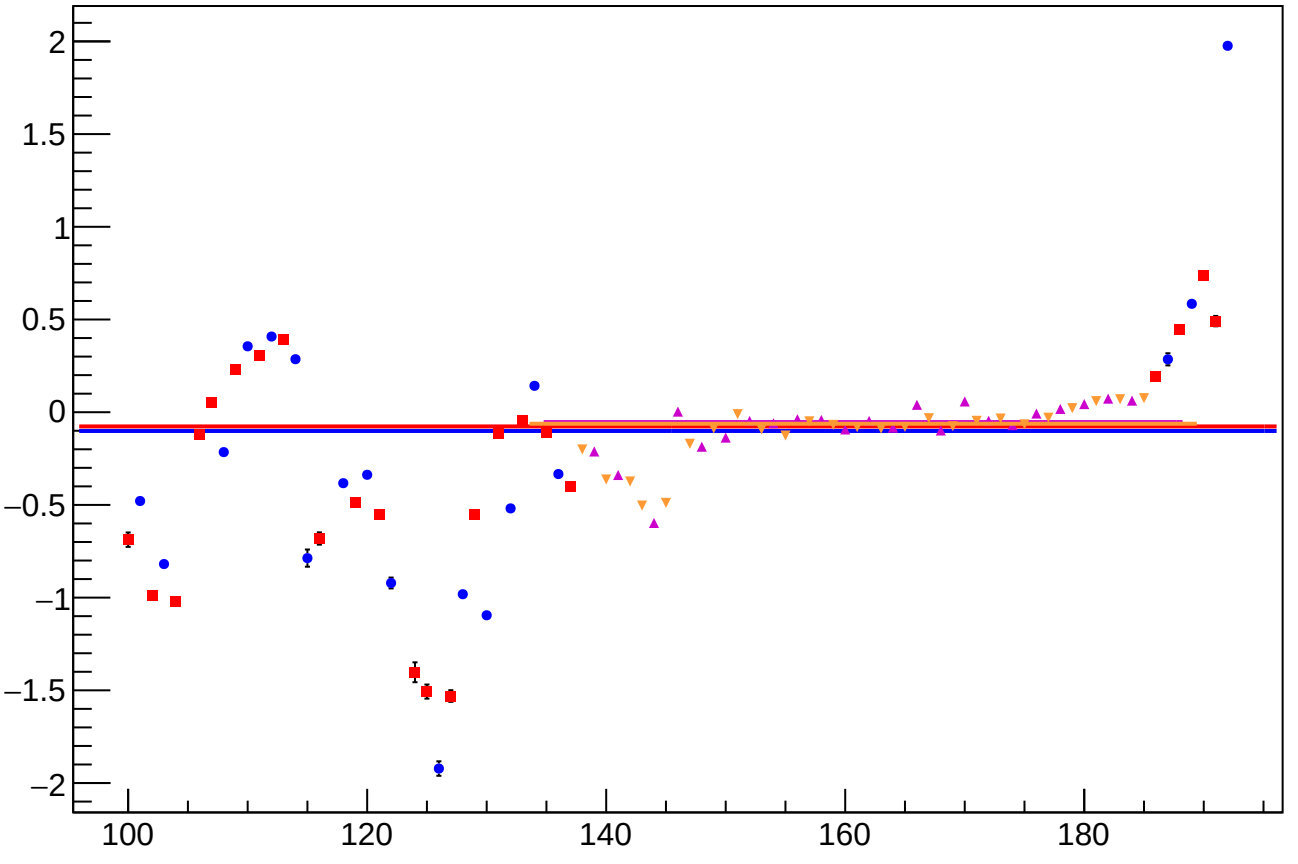
Right: 2.255+/-0.036 χ^2/NDF: 192833.6/41

In: 0.375+/-0.033 χ^2/NDF:241025.4/41

Out: -0.445+/-0.030 χ^2/NDF:259404.6/47

All: -0.067+/-0.022 χ^2/NDF: 500769.1/89


reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
−10
100
120
140
160
180
Right In: -1.008+/-0.068 χ²/NDF: 7209.8/18
Left Out: -1.140+/-0.036 χ²/NDF:7022.9/24
Right Out: -1.202+/-0.061 χ²/NDF: 2971.5/22
Left In: -1.013+/-0.035 χ²/NDF:7027.2/22
Left: -1.074+/-0.025 χ²/NDF: 14056.4/47
Right: -1.115+/-0.045 χ²/NDF: 10185.8/41
In: -1.012+/-0.031 χ²/NDF:14237.0/41
Out: -1.156+/-0.031 χ²/NDF:9995.2/47
All: -1.084+/-0.022 χ²/NDF: 24242.8/89



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: -0.077+/-0.004 χ^2/NDF: 19453.8/22

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

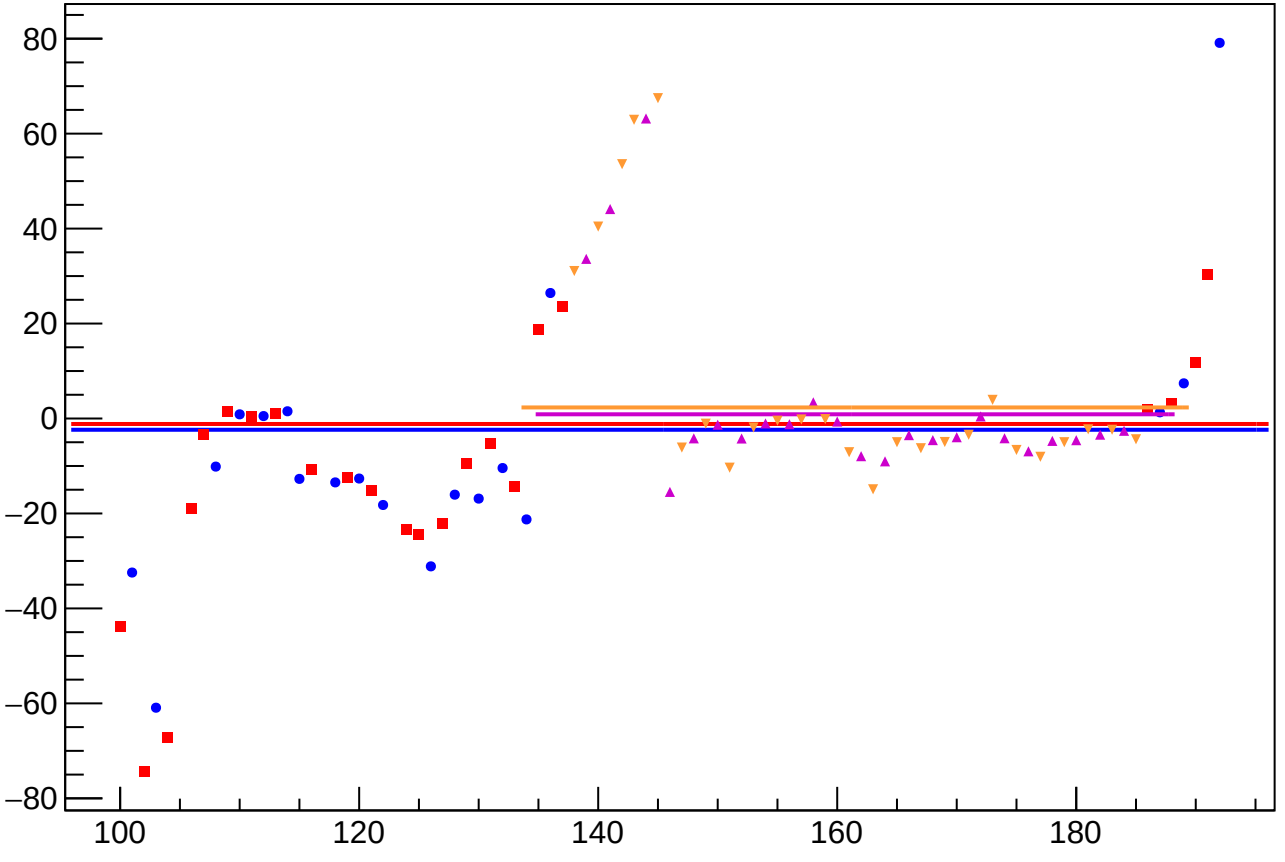
Right: -0.088+/-0.003 χ^2/NDF: 50006.6/41

In: -0.059+/-0.001 χ^2/NDF:35655.9/41

Out: -0.065+/-0.001 χ^2/NDF:25204.1/47

All: -0.062+/-0.001 χ^2/NDF: 60866.7/89

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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: -1.153+/-0.042 χ^2/NDF: 85232.2/22

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

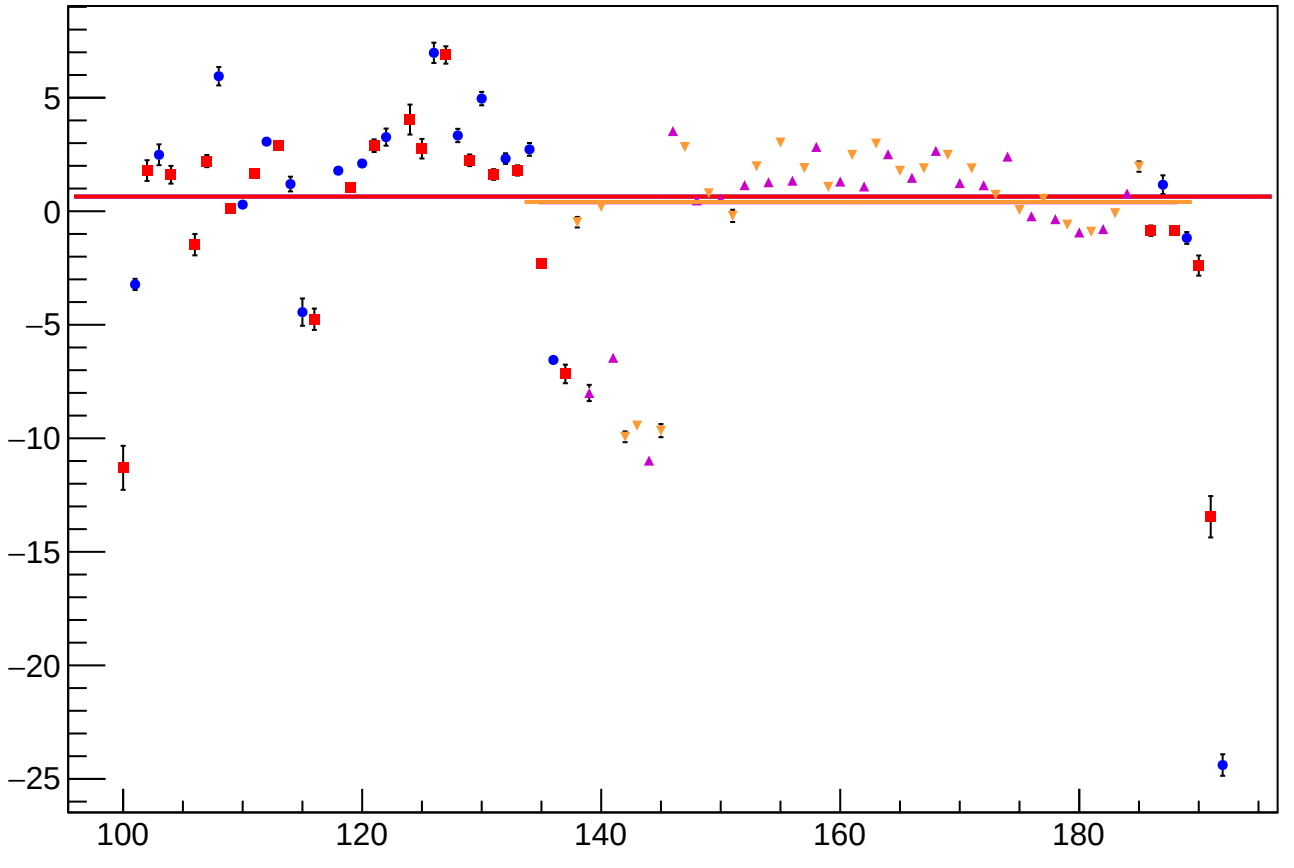
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: -1.622+/-0.033 χ^2/NDF: 194096.1/41

In: -0.334+/-0.032 χ^2/NDF:241346.1/41

Out: 0.612+/-0.029 χ^2/NDF:263422.5/47

All: 0.185+/-0.022 χ^2/NDF: 505240.9/89



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: 0.647+/-0.053 χ^2/NDF: 2030.7/22

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

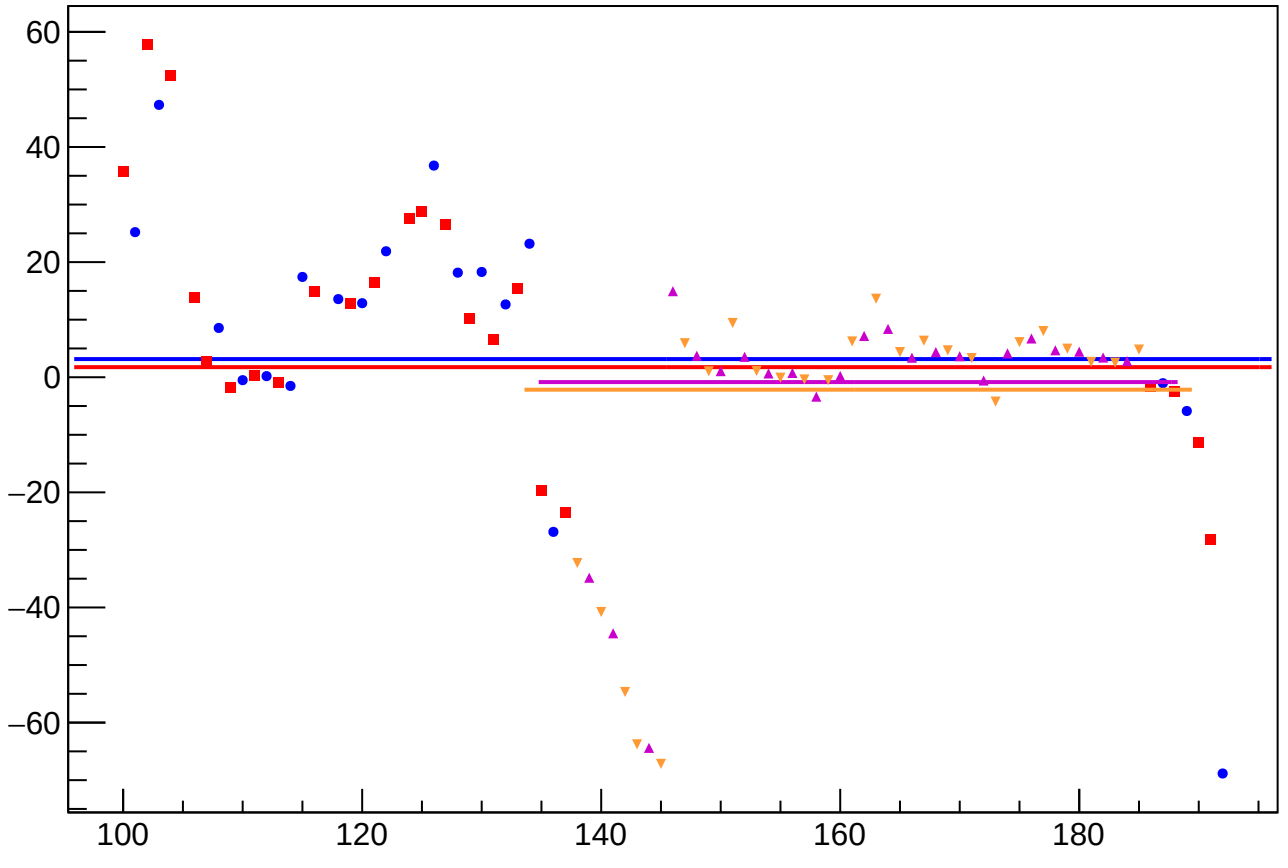
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.647+/-0.039 χ^2/NDF: 7484.7/41

In: 0.454+/-0.028 χ^2/NDF:12399.9/41

Out: 0.478+/-0.028 χ^2/NDF:9093.0/47

All: 0.466+/-0.020 χ^2/NDF: 21493.3/89



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: 1.752+/-0.046 χ^2/NDF: 83042.3/22

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

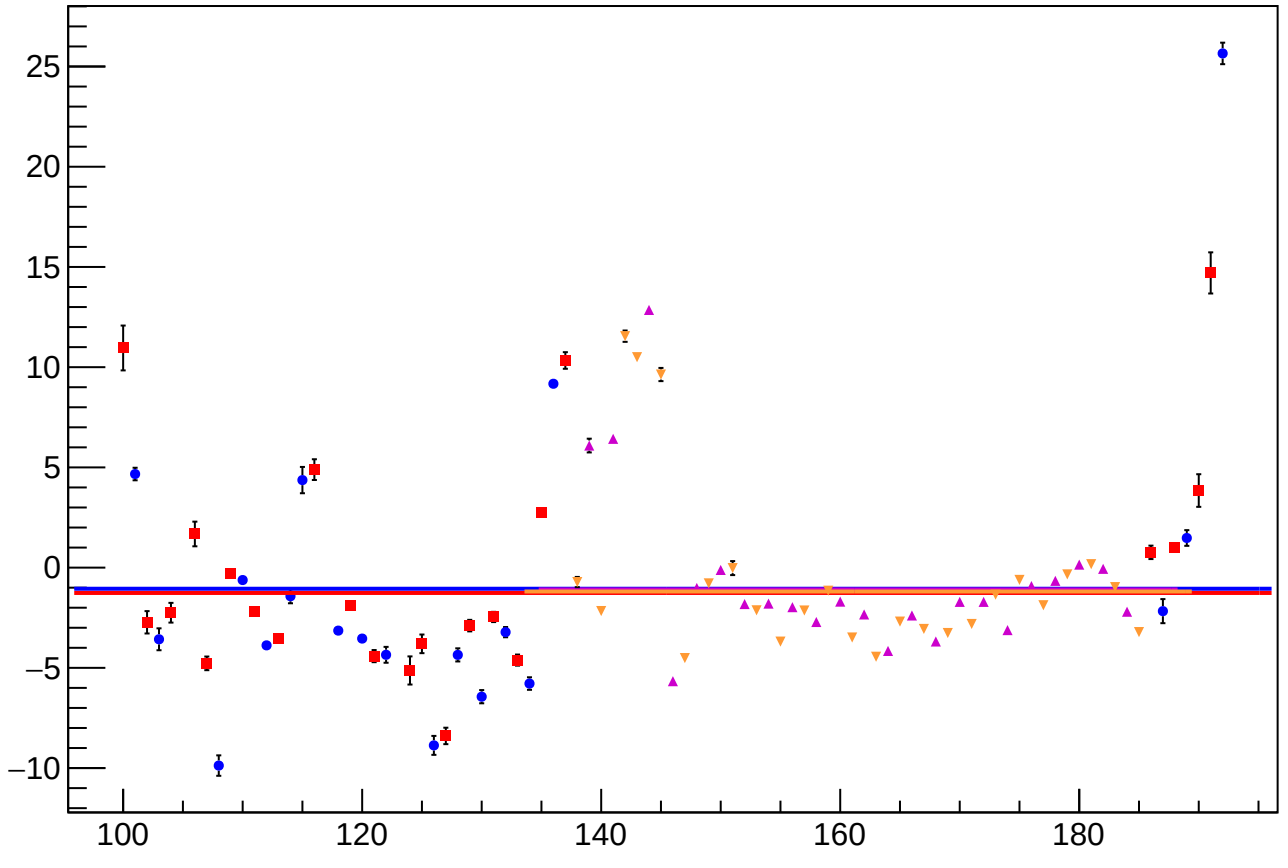
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: 2.280+/-0.037 χ^2/NDF: 190432.9/41

In: 0.408+/-0.033 χ^2/NDF:237276.5/41

Out: -0.438+/-0.031 χ^2/NDF:256040.4/47

All: -0.049+/-0.023 χ^2/NDF: 493665.5/89



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: -1.264+/-0.062 χ^2/NDF: 2869.5/22

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

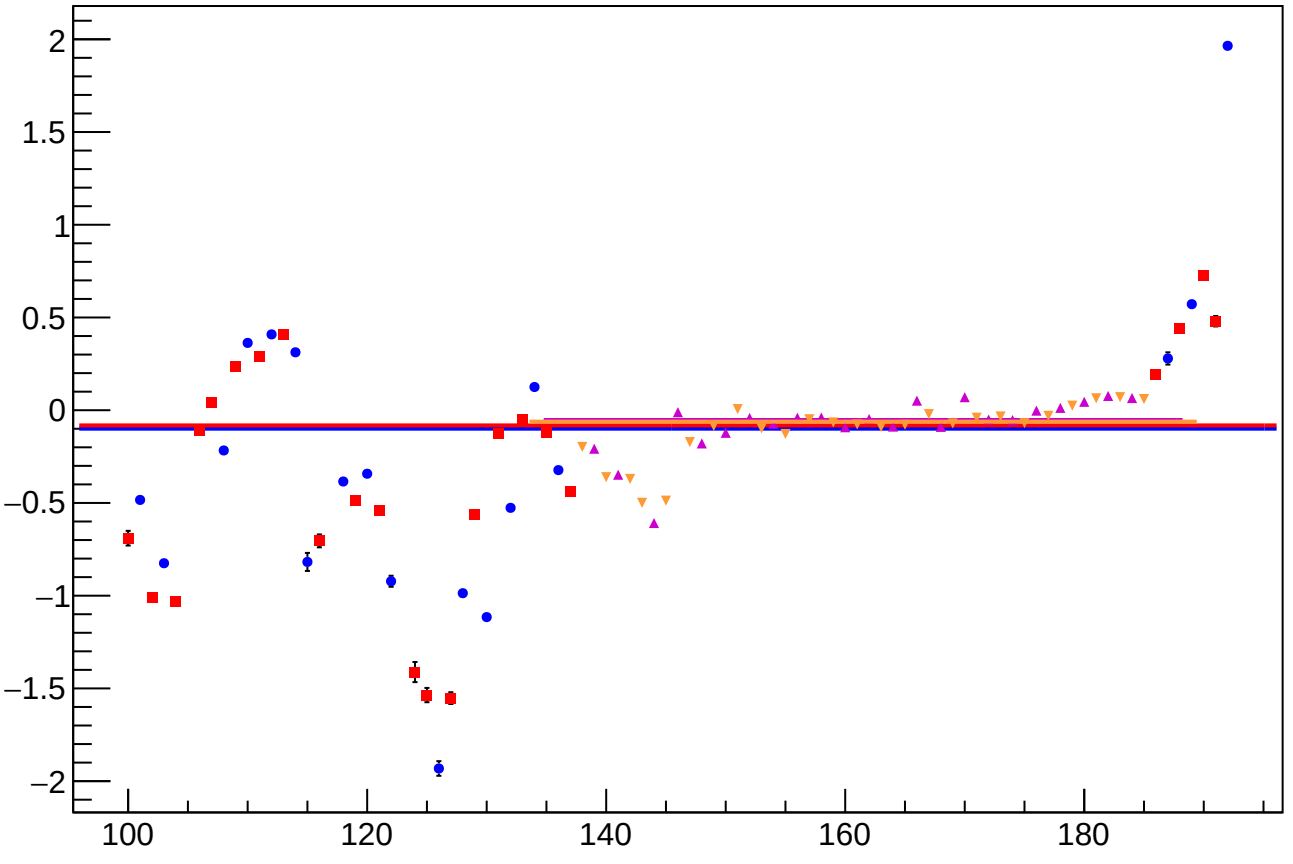
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -1.170+/-0.046 χ^2/NDF: 9925.9/41

In: -1.082+/-0.032 χ^2/NDF:13892.3/41

Out: -1.210+/-0.032 χ^2/NDF:9866.4/47

All: -1.145+/-0.022 χ^2/NDF: 23766.9/89



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: -0.082+/-0.004 χ^2/NDF: 19235.6/22

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

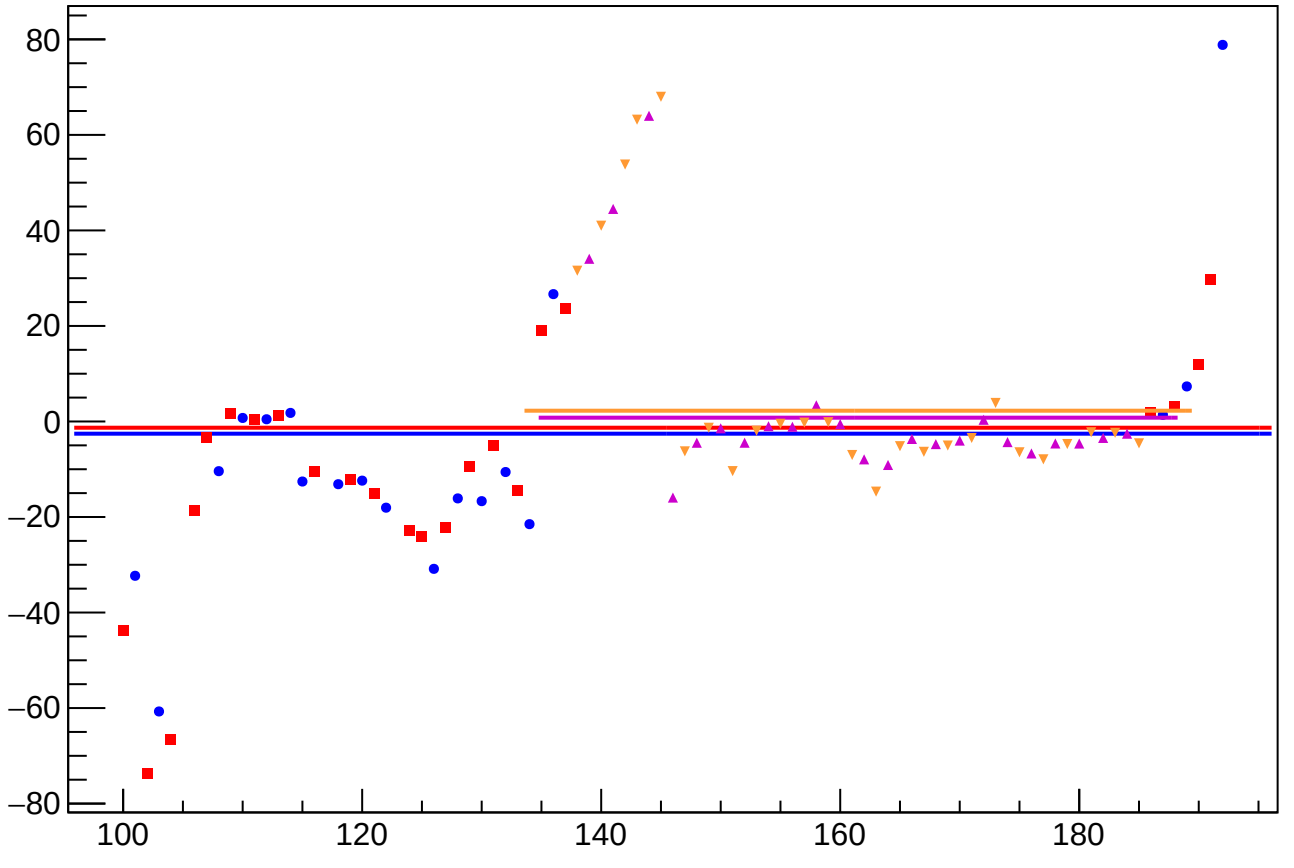
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: -0.090+/-0.003 χ^2/NDF: 49190.3/41

In: -0.059+/-0.001 χ^2/NDF:35101.1/41

Out: -0.065+/-0.001 χ^2/NDF:24826.0/47

All: -0.062+/-0.001 χ^2/NDF: 59936.4/89



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: -1.307+/-0.043 χ^2/NDF: 83451.8/22

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

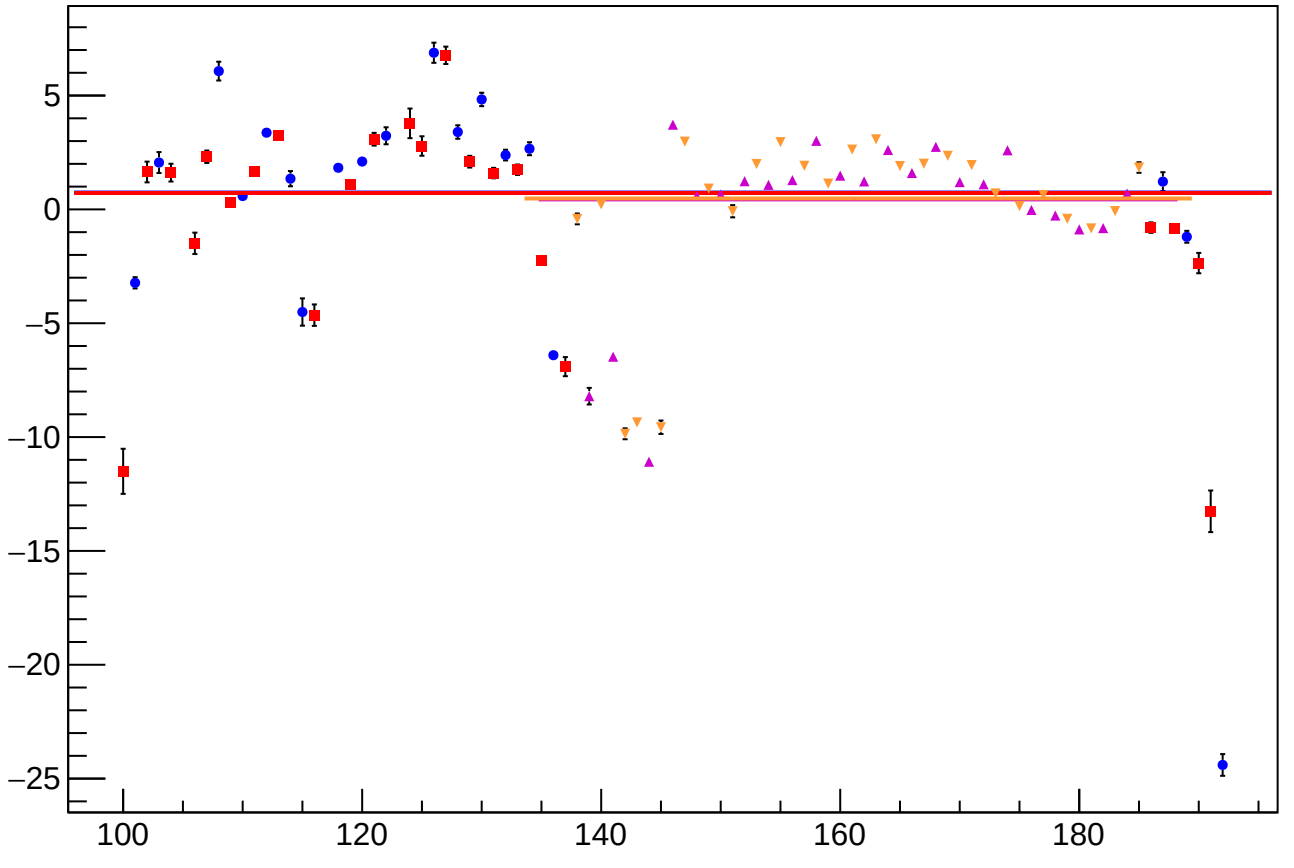
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: -1.791+/-0.033 χ^2/NDF: 190479.0/41

In: -0.450+/-0.033 χ^2/NDF:237981.4/41

Out: 0.522+/-0.030 χ^2/NDF:258705.9/47

All: 0.081+/-0.022 χ^2/NDF: 497172.0/89



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: 0.720+/-0.053 χ^2/NDF: 1970.6/22

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

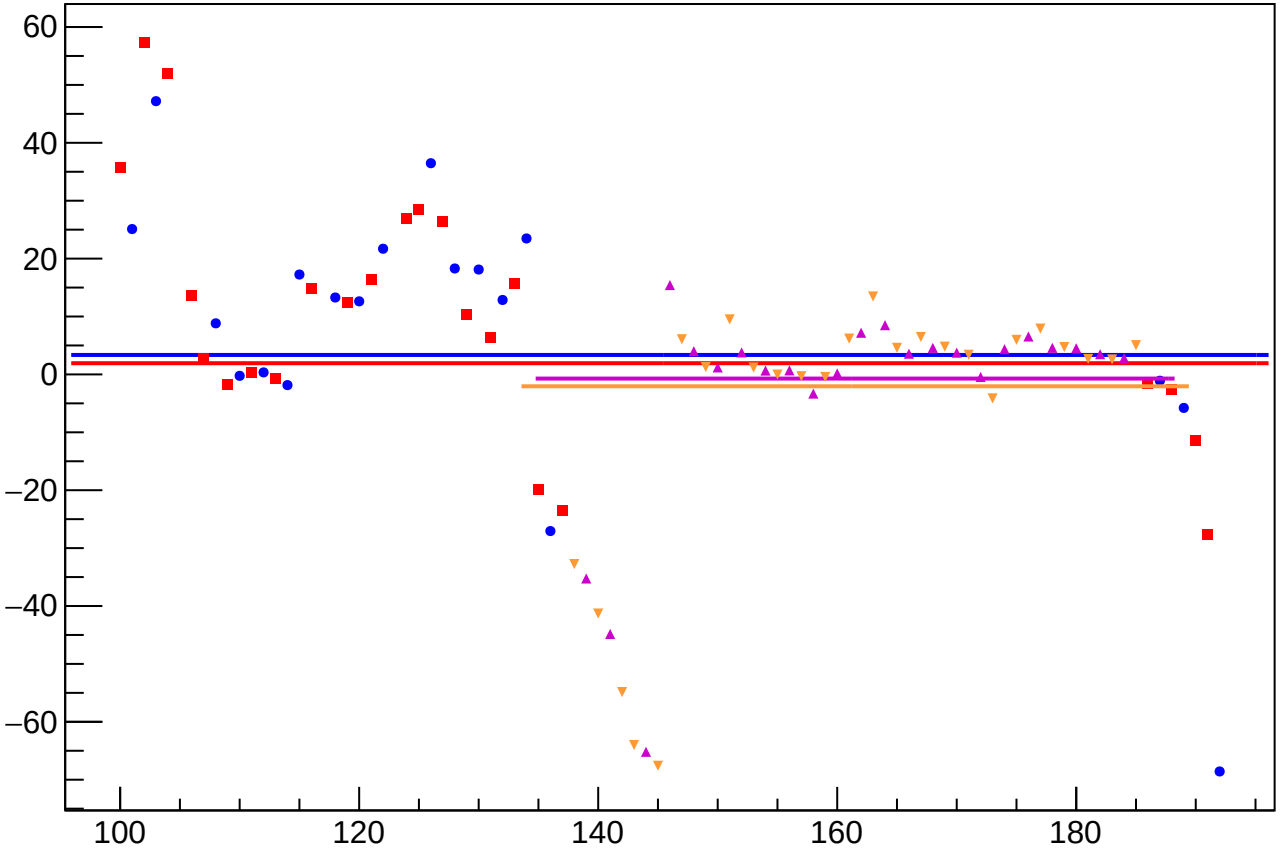
Right: 0.728+/-0.040 χ^2/NDF: 7323.5/41

In: 0.509+/-0.028 χ^2/NDF:12266.1/41

Out: 0.548+/-0.029 χ^2/NDF:8793.4/47

All: 0.528+/-0.020 χ^2/NDF: 21060.4/89

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: 1.934+/-0.047 χ^2/NDF: 81256.6/22

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

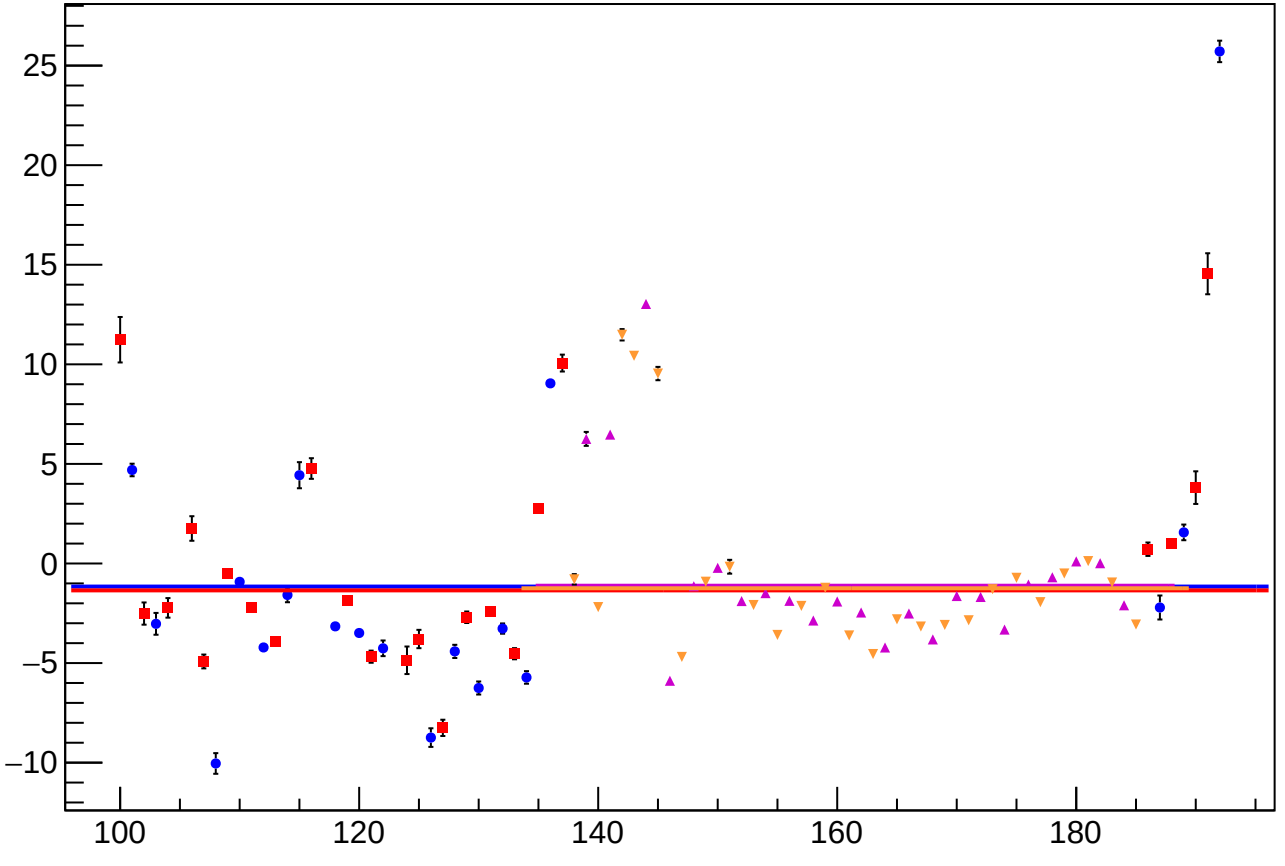
Right: 2.474+/-0.037 χ^2/NDF: 186788.9/41

In: 0.553+/-0.034 χ^2/NDF:233870.2/41

Out: -0.308+/-0.031 χ^2/NDF:251307.3/47

All: 0.088+/-0.023 χ^2/NDF: 485530.2/89

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -1.350+/-0.063 χ^2/NDF: 2760.0/22

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

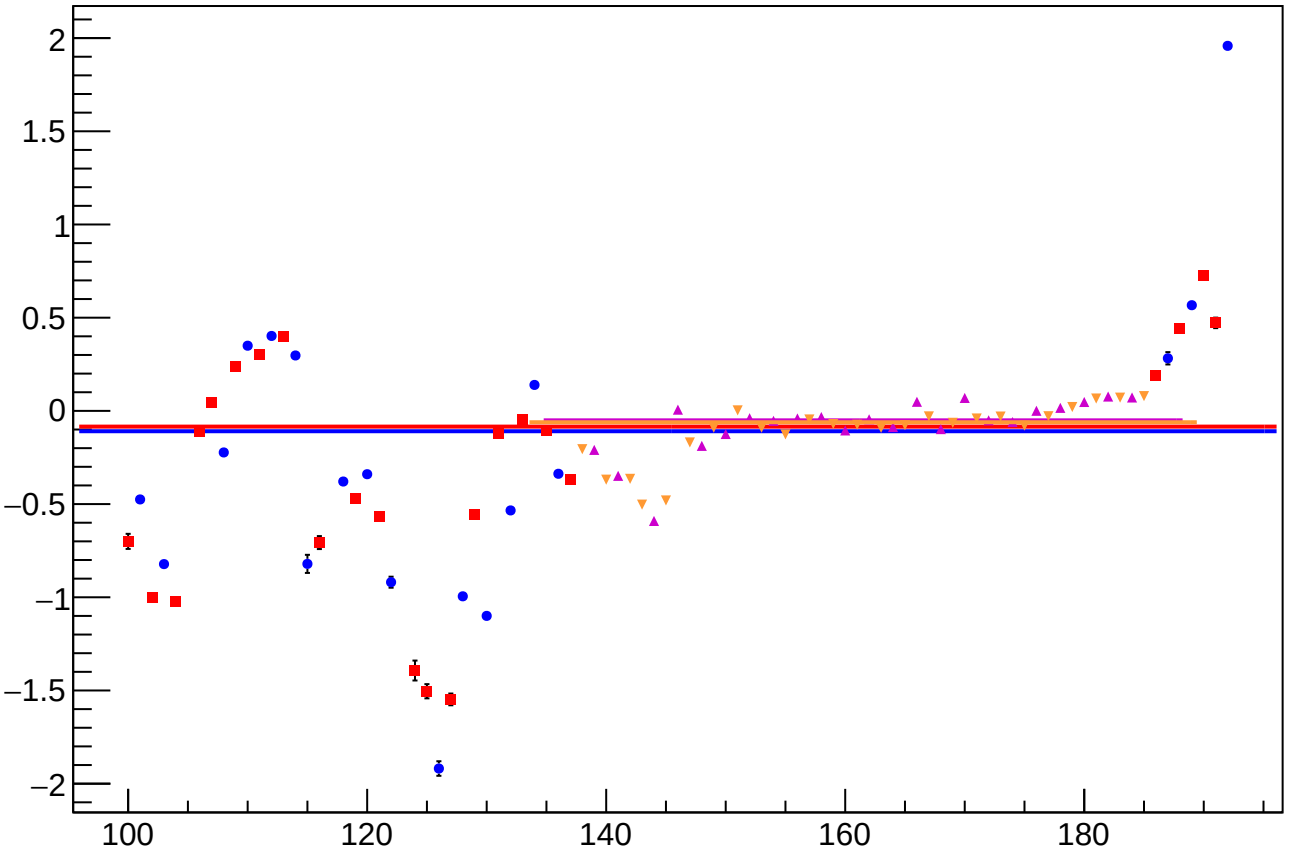
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -1.264+/-0.047 χ^2/NDF: 9647.4/41

In: -1.126+/-0.032 χ^2/NDF:13723.8/41

Out: -1.272+/-0.032 χ^2/NDF:9530.8/47

All: -1.198+/-0.023 χ^2/NDF: 23265.0/89



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: -0.084+/-0.004 χ^2/NDF: 18646.2/22

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

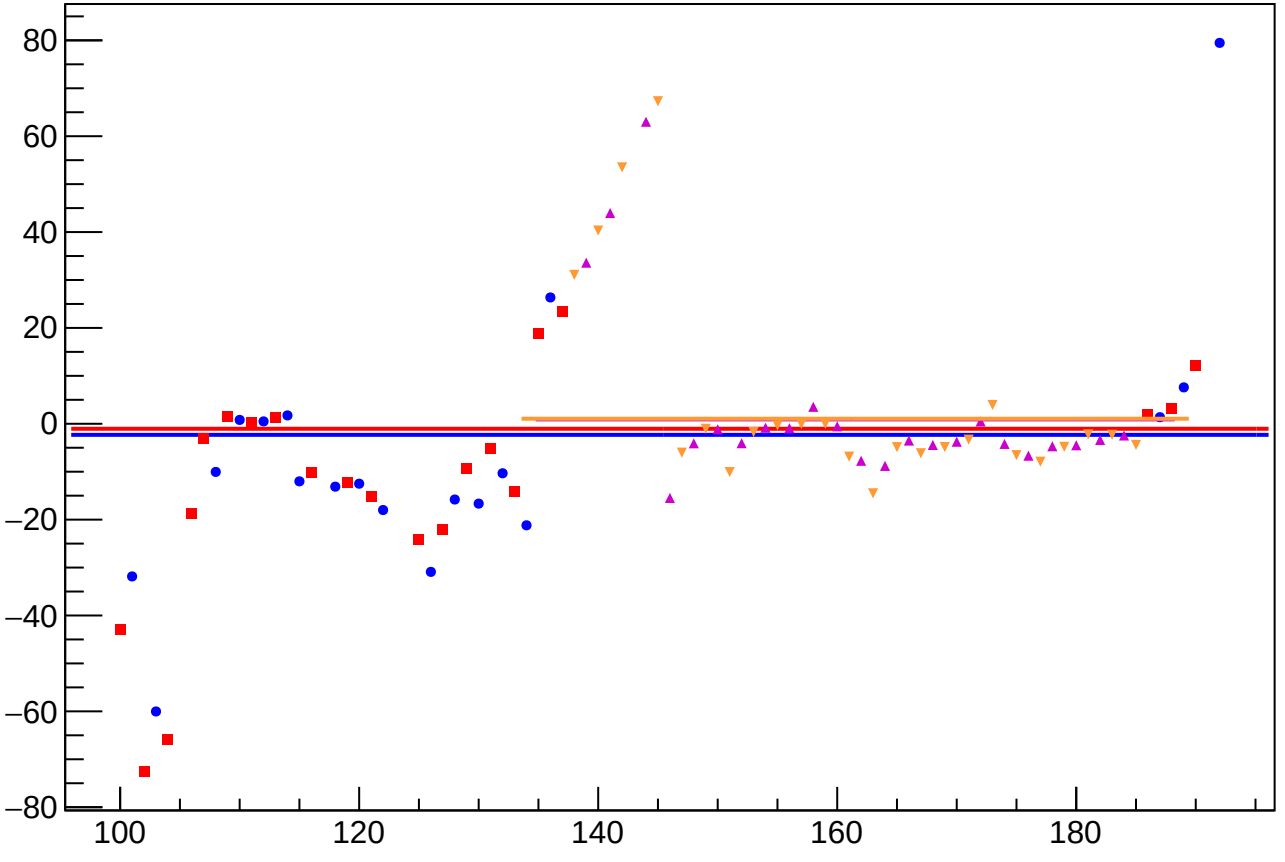
Right: -0.096+/-0.003 χ^2/NDF: 48062.1/41

In: -0.058+/-0.001 χ^2/NDF:34458.3/41

Out: -0.065+/-0.001 χ^2/NDF:24160.5/47

All: -0.061+/-0.001 χ^2/NDF: 58628.9/89

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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: -1.042+/-0.041 χ^2/NDF: 83527.7/20

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

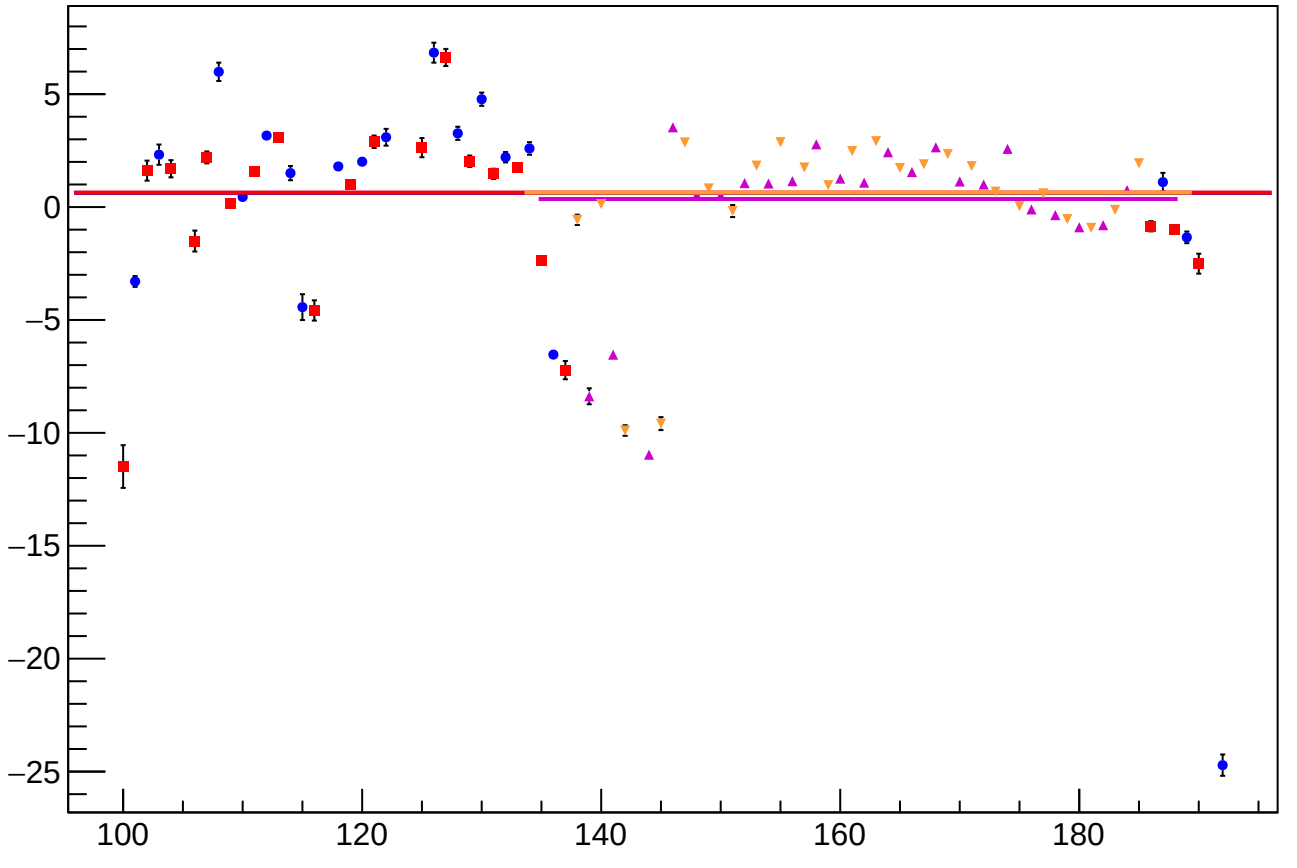
Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

Right: -1.530+/-0.032 χ^2/NDF: 194198.0/39

In: -0.290+/-0.032 χ^2/NDF:245550.5/41

Out: 0.012+/-0.029 χ^2/NDF:215884.2/44

All: -0.125+/-0.021 χ^2/NDF: 461485.1/86



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: 0.640+/-0.052 χ^2/NDF: 1842.7/20

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

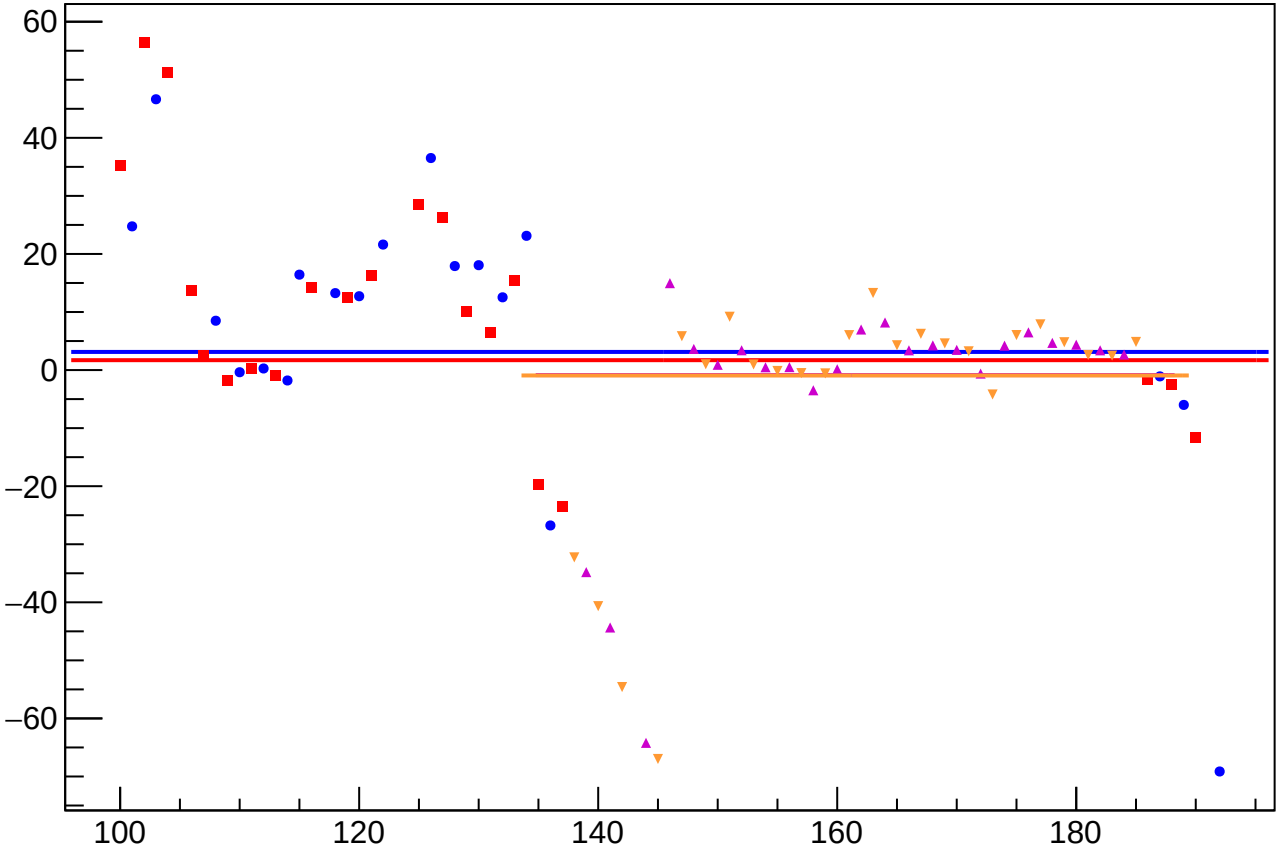
Right: 0.634+/-0.039 χ^2/NDF: 7450.9/39

In: 0.417+/-0.028 χ^2/NDF:12742.4/41

Out: 0.643+/-0.028 χ^2/NDF:6553.8/44

All: 0.528+/-0.020 χ^2/NDF: 19329.1/86

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 1.704+/-0.046 χ^2/NDF: 81335.5/20

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

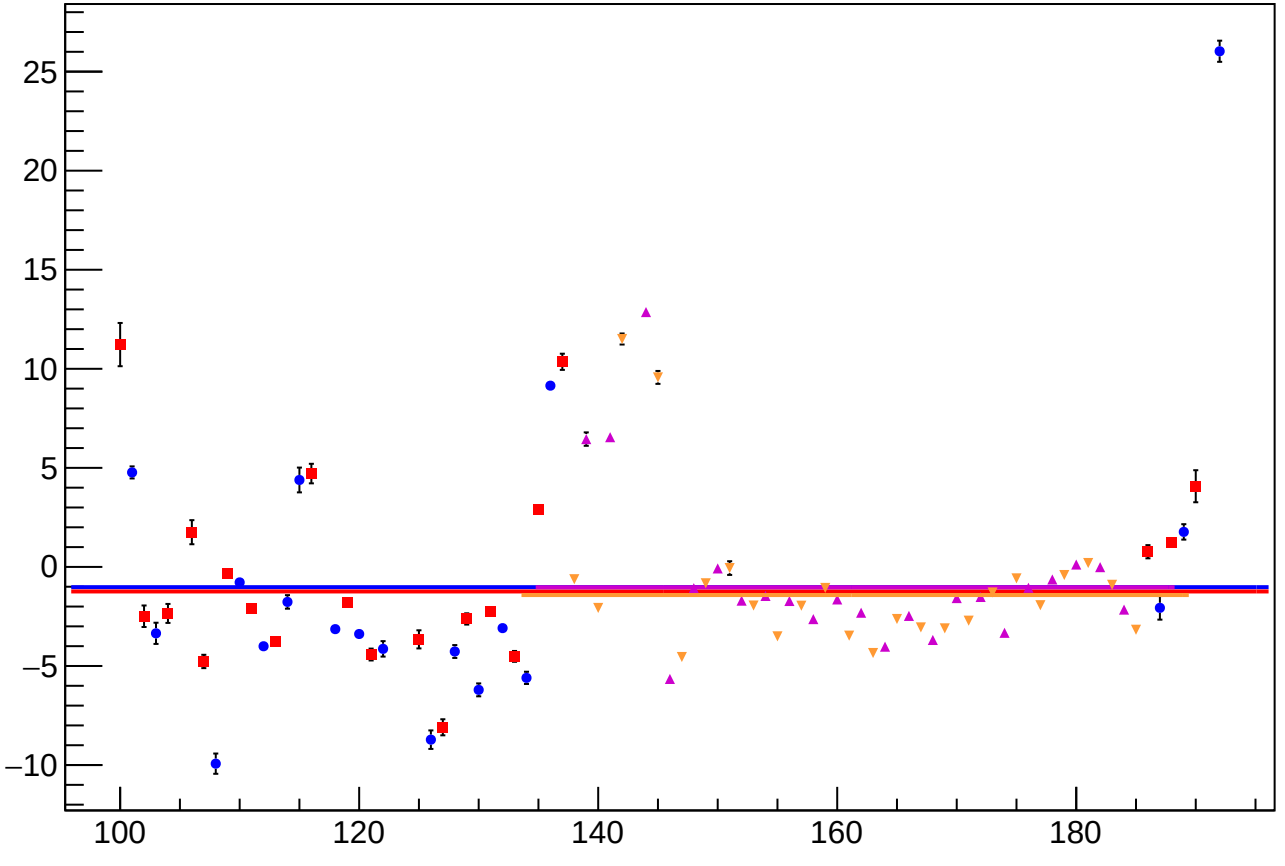
Right: 2.242+/-0.036 χ^2/NDF: 190429.0/39

In: 0.378+/-0.033 χ^2/NDF:241417.5/41

Out: 0.233+/-0.030 χ^2/NDF:209575.9/44

All: 0.300+/-0.022 χ^2/NDF: 451004.1/86

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: -1.238+/-0.061 χ^2/NDF: 2690.0/20

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

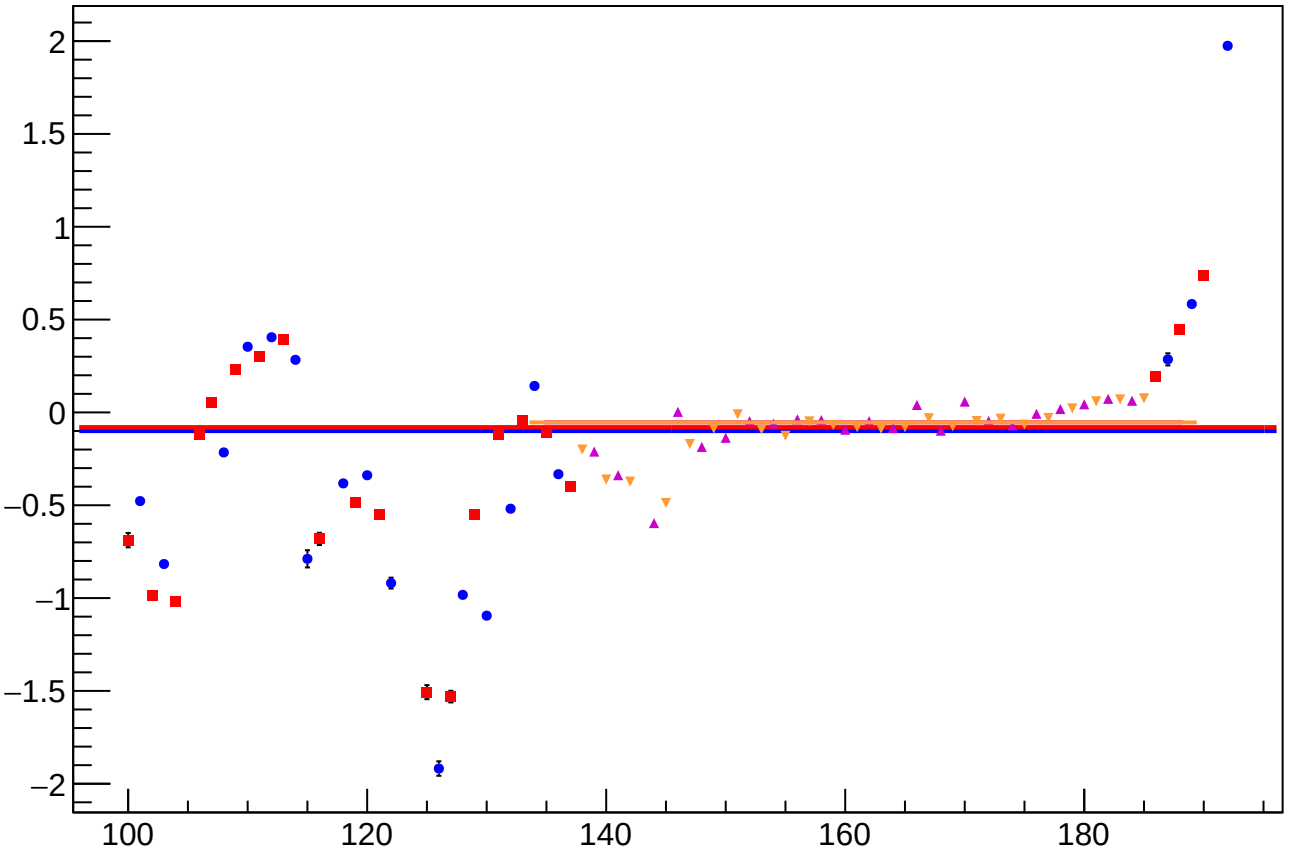
Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

Right: -1.141+/-0.045 χ^2/NDF: 9918.9/39

In: -1.025+/-0.031 χ^2/NDF:14270.3/41

Out: -1.372+/-0.031 χ^2/NDF:7338.5/44

All: -1.195+/-0.022 χ^2/NDF: 21670.9/86



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: -0.079+/-0.004 χ^2/NDF: 18488.6/20

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

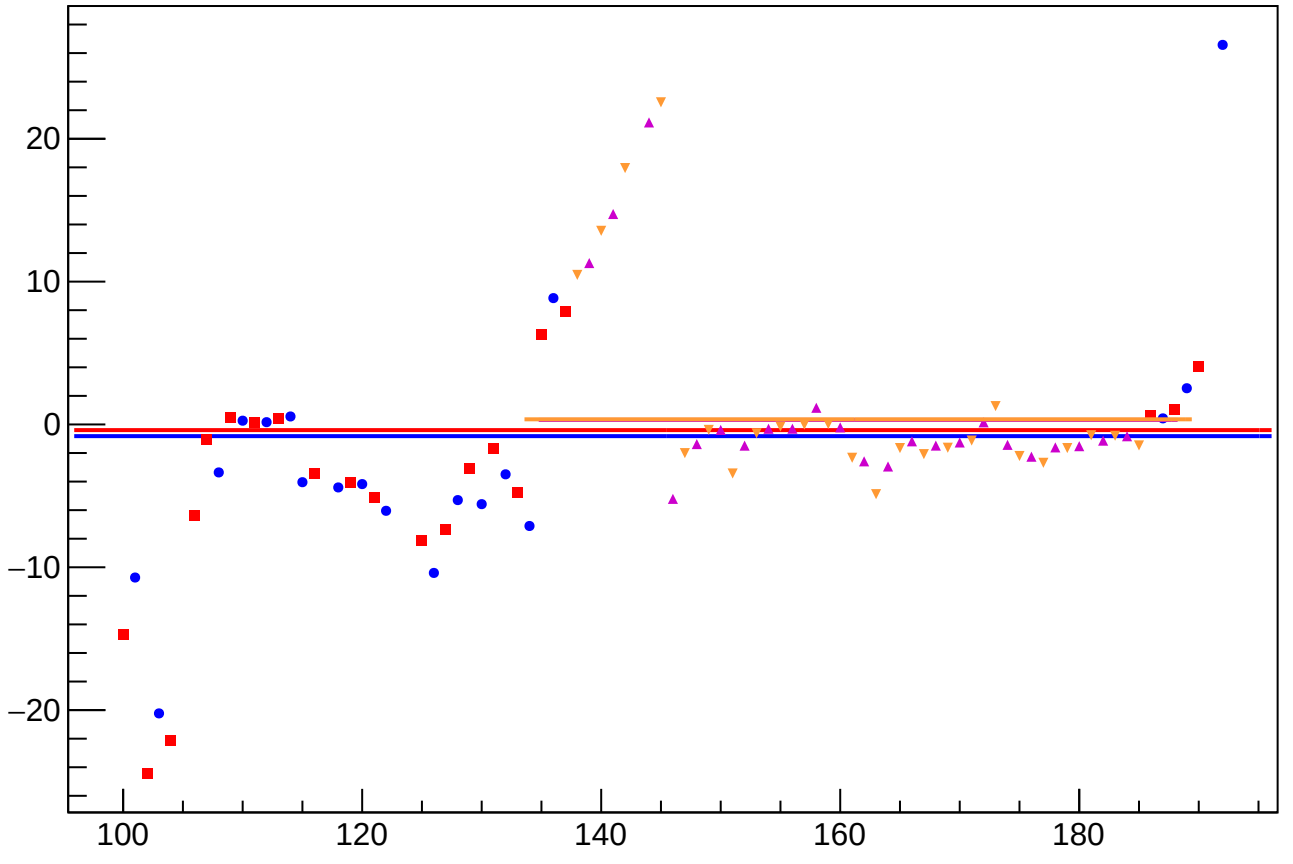
Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

Right: -0.089+/-0.003 χ^2/NDF: 49087.2/39

In: -0.059+/-0.001 χ^2/NDF:35721.6/41

Out: -0.058+/-0.001 χ^2/NDF:22871.2/44

All: -0.059+/-0.001 χ^2/NDF: 58593.2/86



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: -0.397+/-0.014 χ^2/NDF: 82005.8/20

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

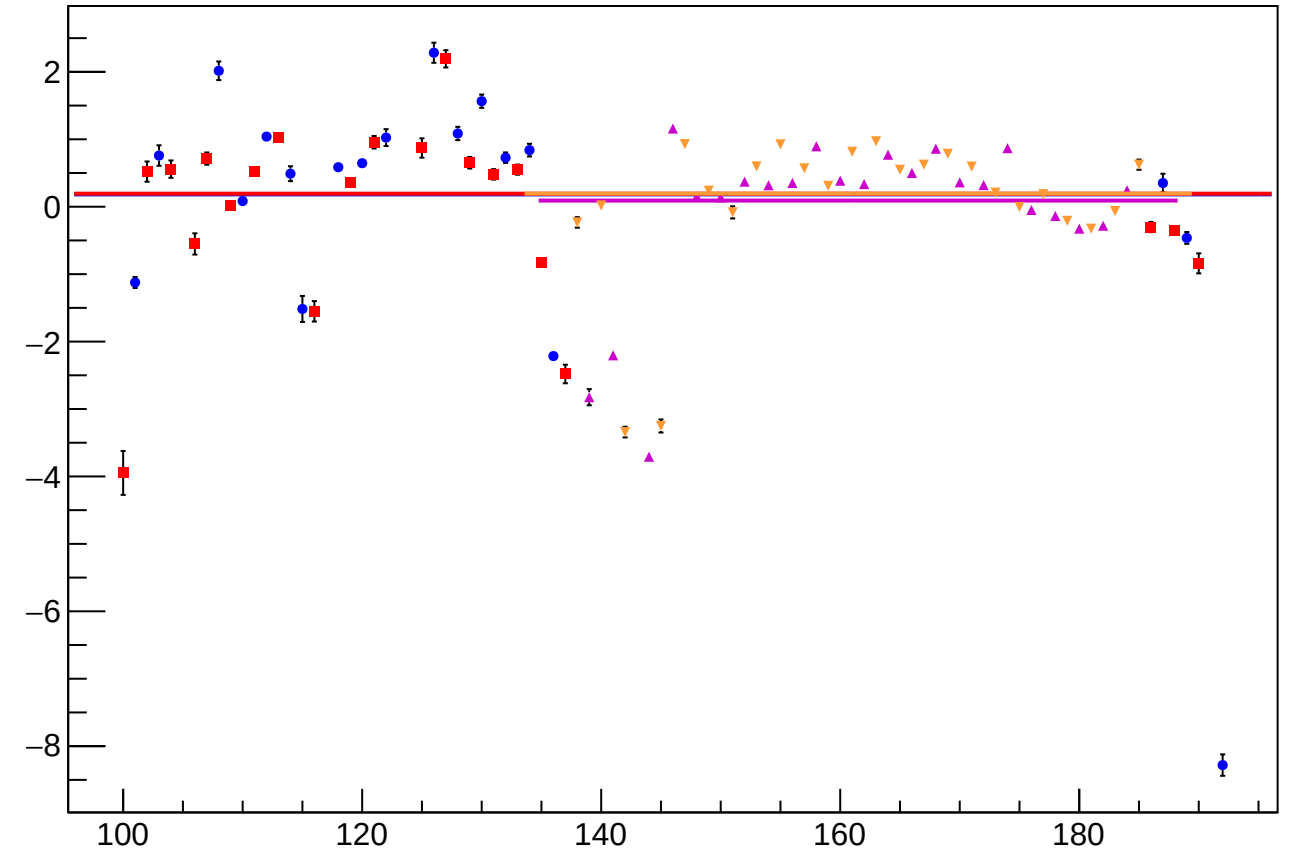
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: -0.561+/-0.011 χ^2/NDF: 190766.2/39

In: -0.106+/-0.011 χ^2/NDF:241221.4/41

Out: -0.012+/-0.010 χ^2/NDF:212294.1/44

All: -0.055+/-0.007 χ^2/NDF: 453556.4/86



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: 0.193+/-0.018 χ^2/NDF: 1803.9/20

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

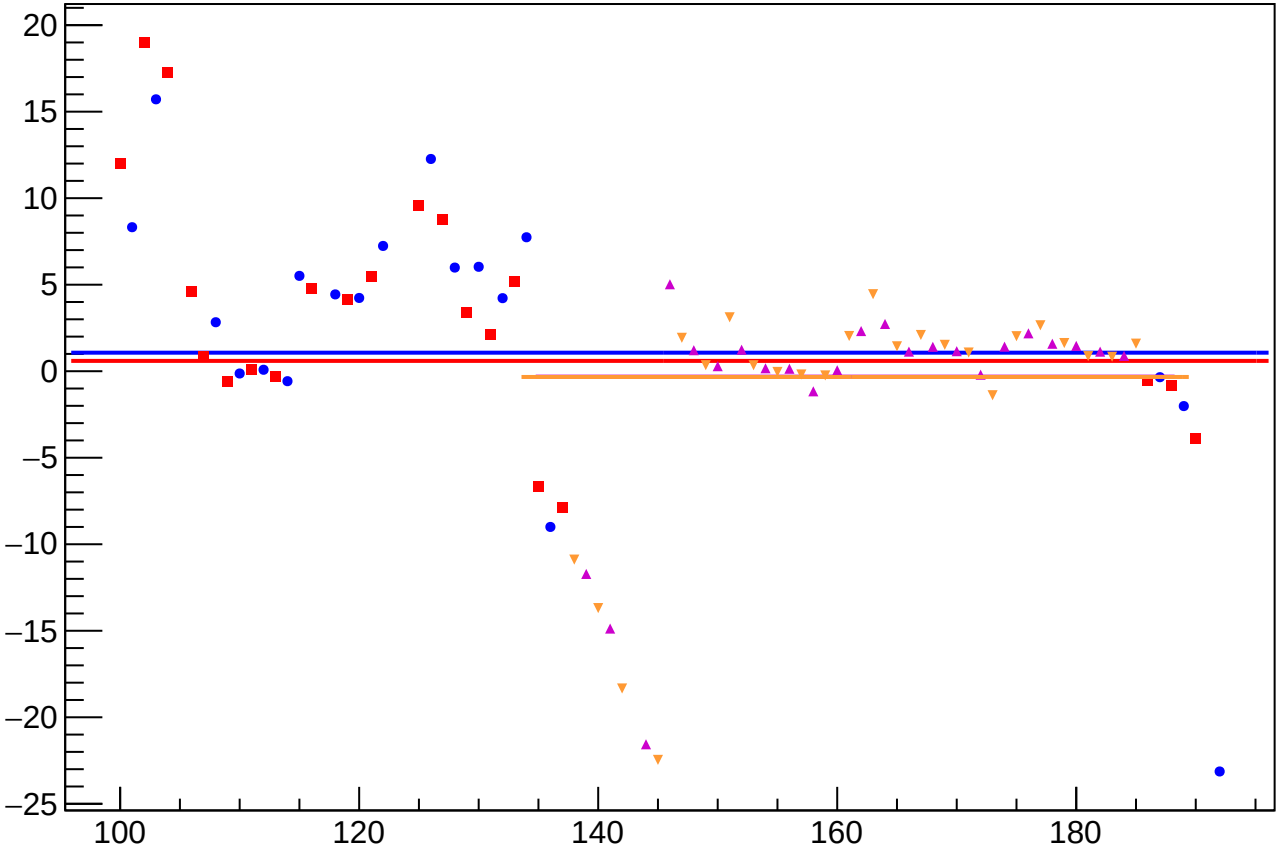
Right: 0.189+/-0.013 χ^2/NDF: 7315.0/39

In: 0.112+/-0.009 χ^2/NDF:12464.1/41

Out: 0.194+/-0.010 χ^2/NDF:6448.9/44

All: 0.153+/-0.007 χ^2/NDF: 18950.3/86

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 0.597+/-0.016 χ^2/NDF: 79893.4/20

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

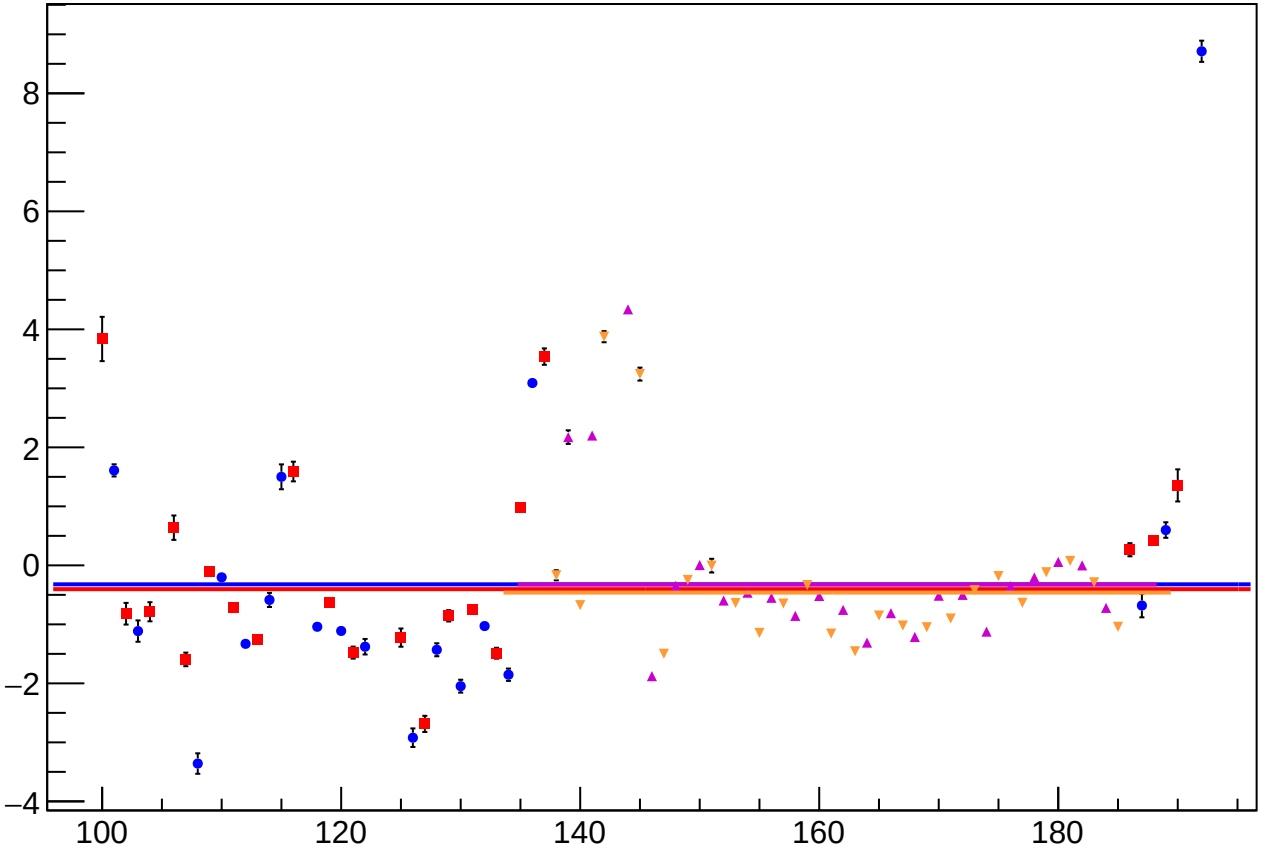
Right: 0.777+/-0.012 χ^2/NDF: 187152.6/39

In: 0.119+/-0.011 χ^2/NDF:237218.3/41

Out: 0.077+/-0.010 χ^2/NDF:206107.9/44

All: 0.096+/-0.008 χ^2/NDF: 443333.7/86

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: -0.404+/-0.021 χ^2/NDF: 2639.0/20

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

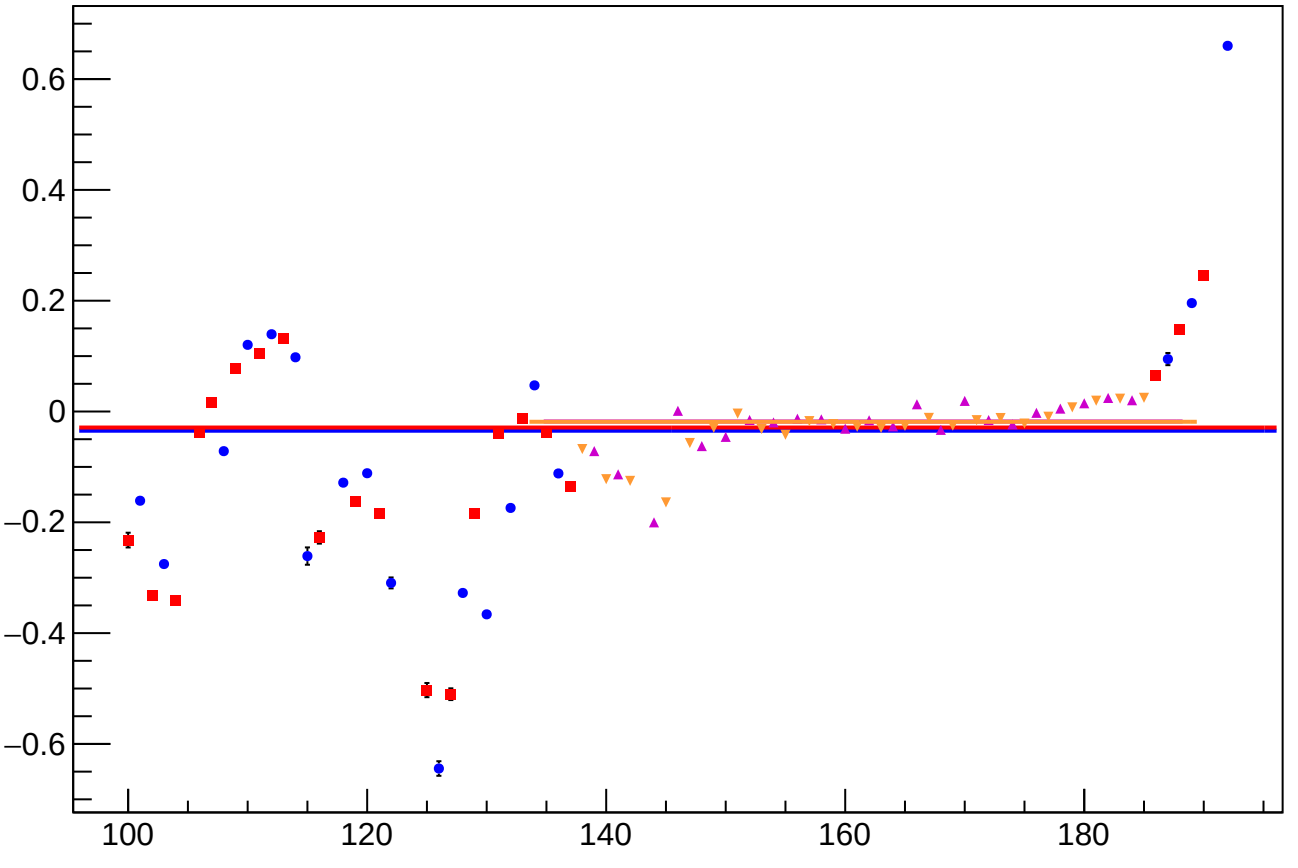
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.366+/-0.015 χ^2/NDF: 9734.0/39

In: -0.323+/-0.011 χ^2/NDF:13969.9/41

Out: -0.446+/-0.011 χ^2/NDF:7224.6/44

All: -0.384+/-0.008 χ^2/NDF: 21261.7/86



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: -0.029+/-0.001 χ^2/NDF: 17964.3/20

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

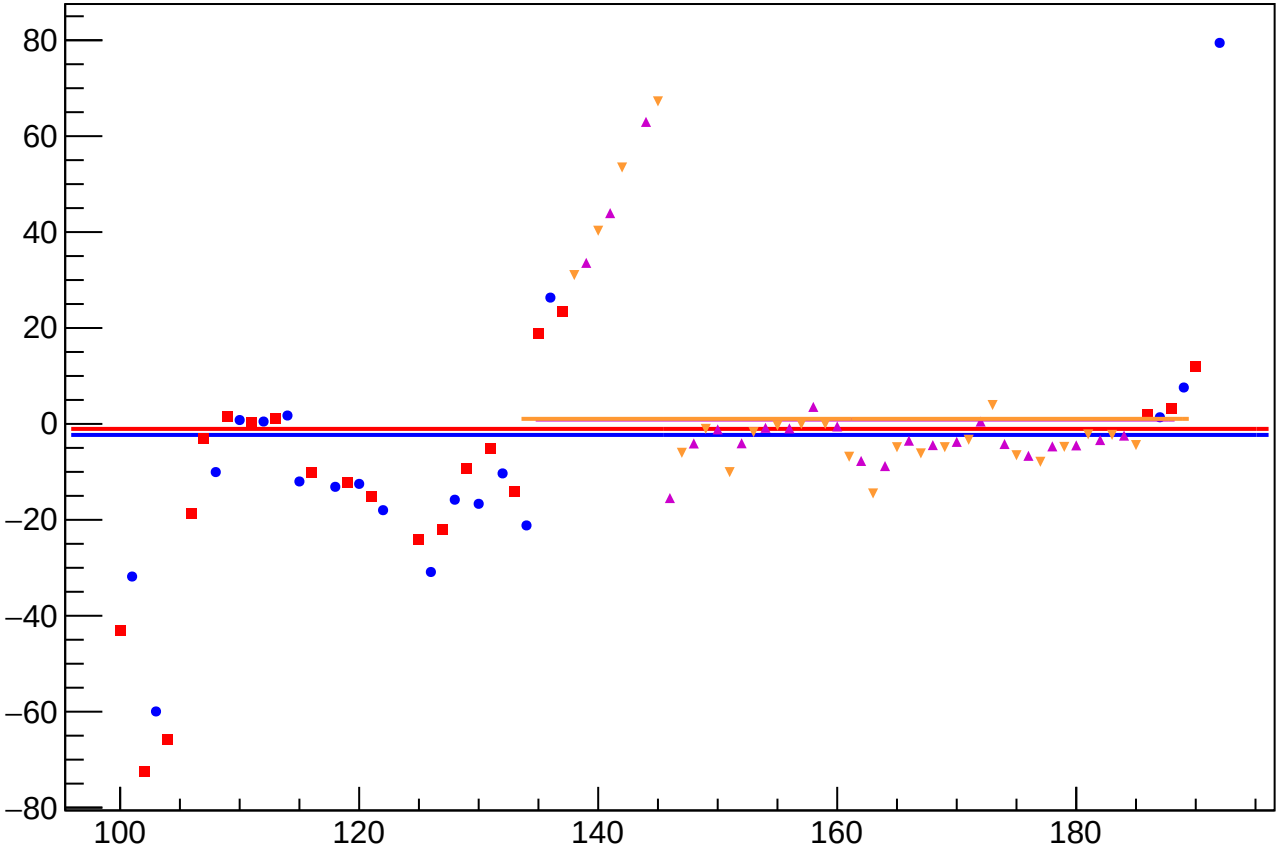
Right: -0.032+/-0.001 χ^2/NDF: 48064.8/39

In: -0.020+/-0.000 χ^2/NDF:35106.8/41

Out: -0.020+/-0.000 χ^2/NDF:22252.4/44

All: -0.020+/-0.000 χ^2/NDF: 57359.2/86

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: -1.035+/-0.041 χ^2/NDF: 83542.3/20

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

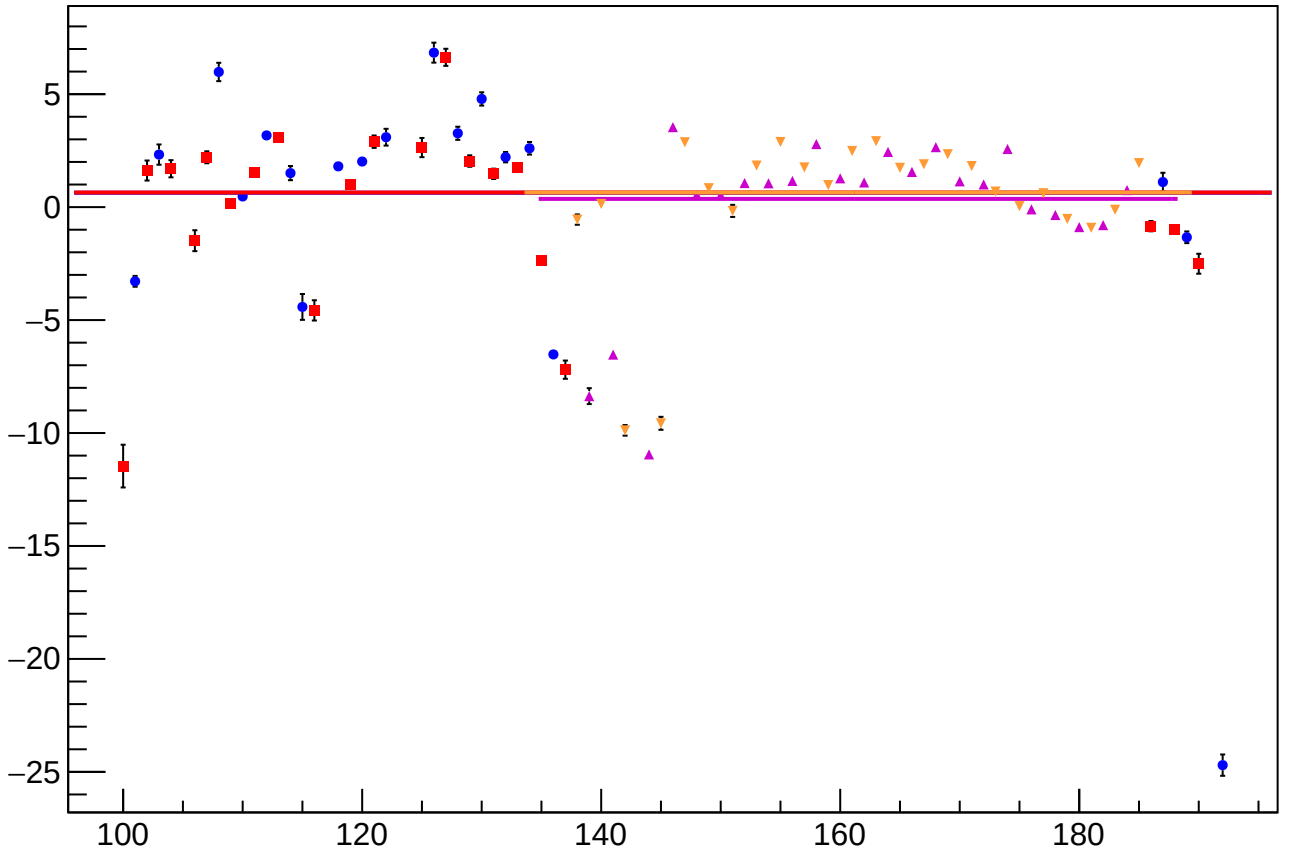
Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

Right: -1.521+/-0.032 χ^2/NDF: 194239.3/39

In: -0.285+/-0.031 χ^2/NDF:245581.0/41

Out: 0.017+/-0.029 χ^2/NDF:215877.8/44

All: -0.120+/-0.021 χ^2/NDF: 461509.2/86



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: 0.647+/-0.052 χ^2/NDF: 1841.2/20

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

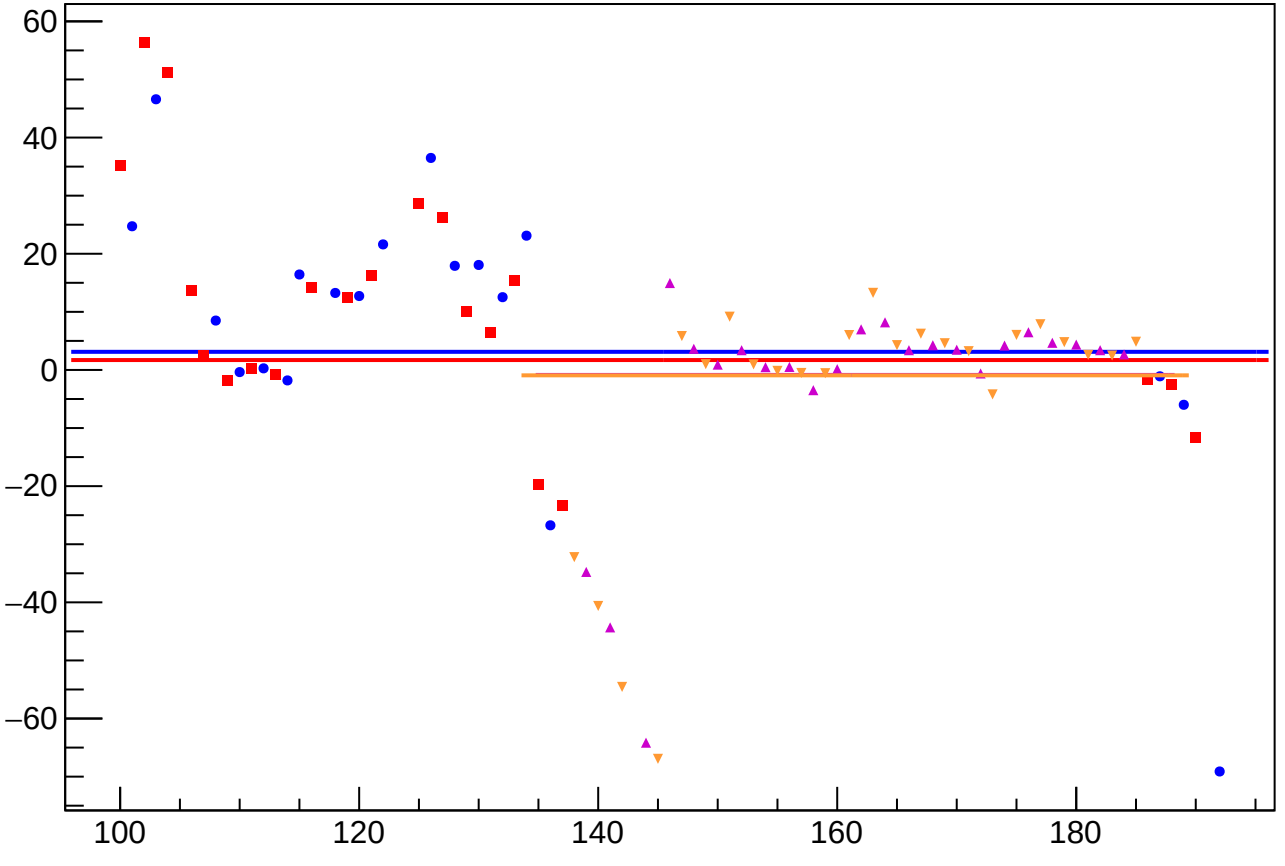
Right: 0.642+/-0.038 χ^2/NDF: 7451.2/39

In: 0.426+/-0.027 χ^2/NDF:12749.6/41

Out: 0.650+/-0.028 χ^2/NDF:6550.0/44

All: 0.537+/-0.020 χ^2/NDF: 19332.2/86

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 1.704+/-0.046 χ^2/NDF: 81344.0/20

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

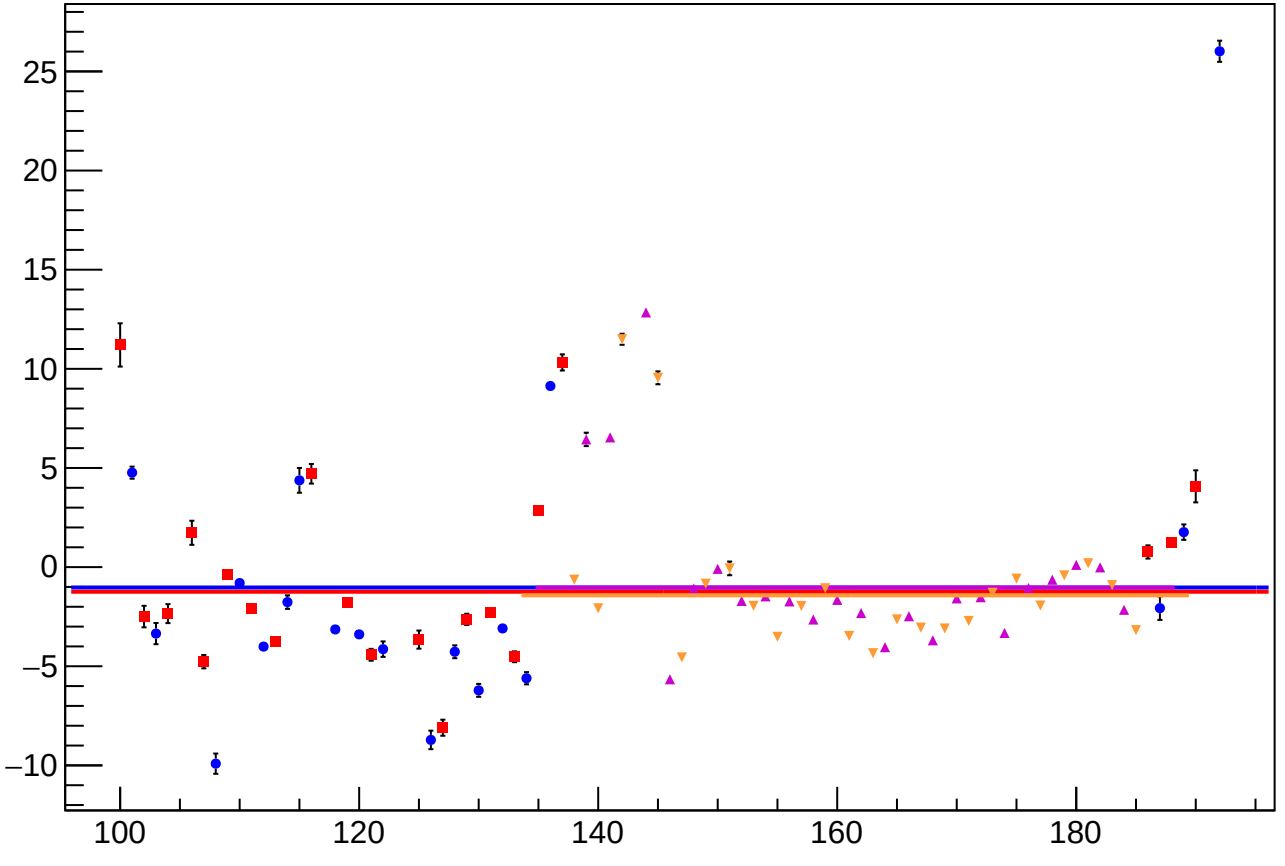
Right: 2.241+/-0.036 χ^2/NDF: 190459.8/39

In: 0.379+/-0.033 χ^2/NDF:241441.2/41

Out: 0.233+/-0.030 χ^2/NDF:209565.6/44

All: 0.301+/-0.022 χ^2/NDF: 451017.5/86

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -1.243+/-0.061 χ^2/NDF: 2687.1/20

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

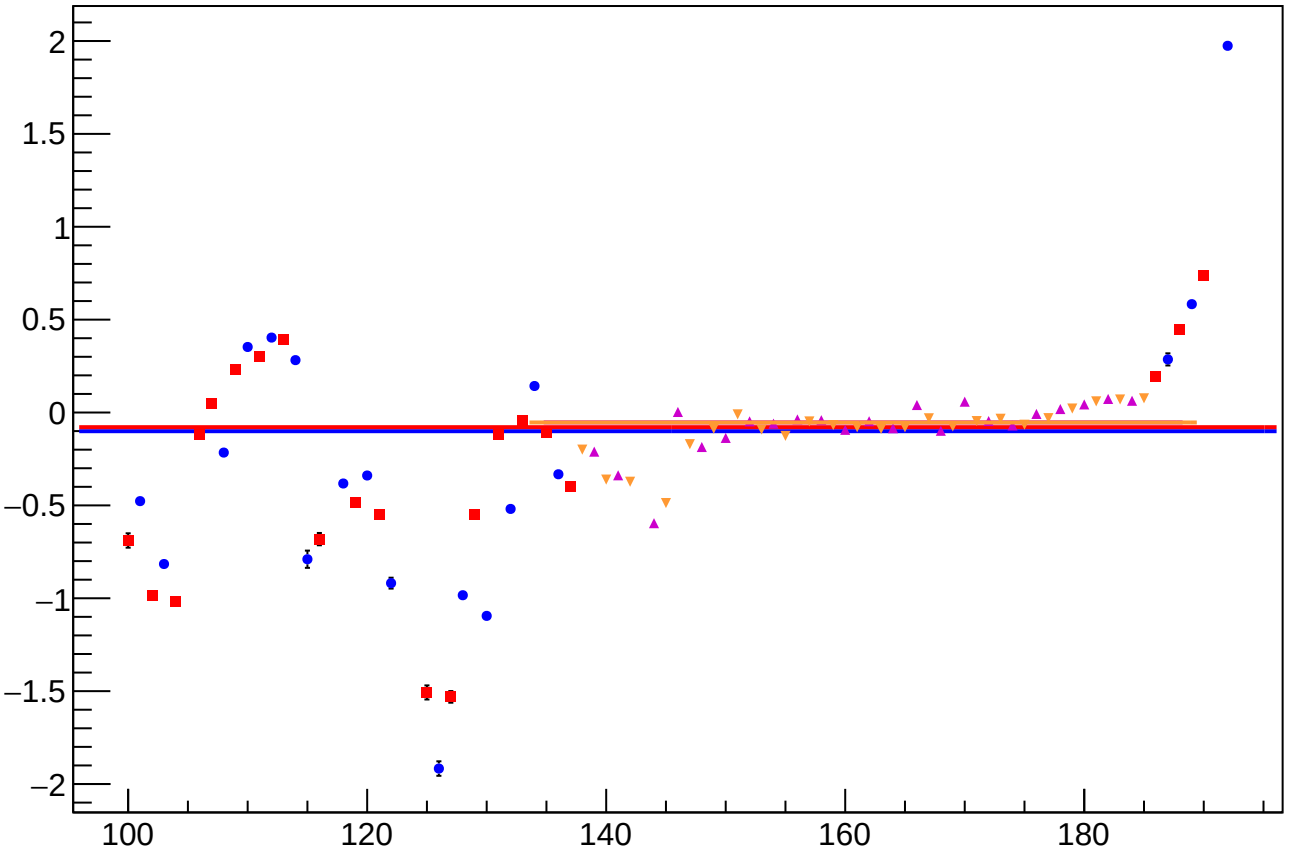
Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

Right: -1.146+/-0.045 χ^2/NDF: 9917.4/39

In: -1.031+/-0.031 χ^2/NDF:14275.9/41

Out: -1.376+/-0.031 χ^2/NDF:7333.2/44

All: -1.201+/-0.022 χ^2/NDF: 21670.7/86



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: -0.079+/-0.004 χ^2/NDF: 18498.8/20

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

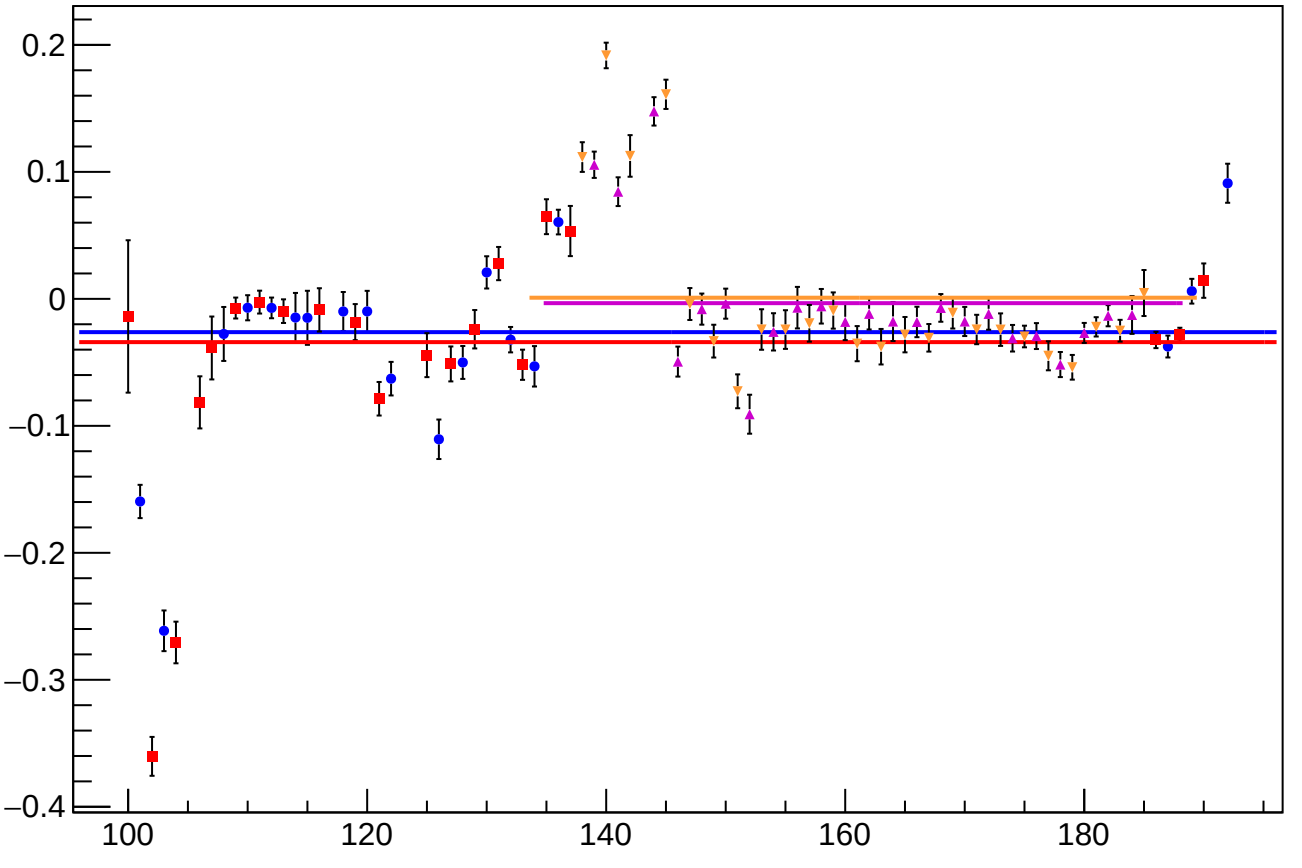
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: -0.089+/-0.003 χ^2/NDF: 49103.6/39

In: -0.059+/-0.001 χ^2/NDF:35731.1/41

Out: -0.058+/-0.001 χ^2/NDF:22882.7/44

All: -0.059+/-0.001 χ^2/NDF: 58614.2/86



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: -0.034+/-0.002 χ^2/NDF: 824.2/20

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

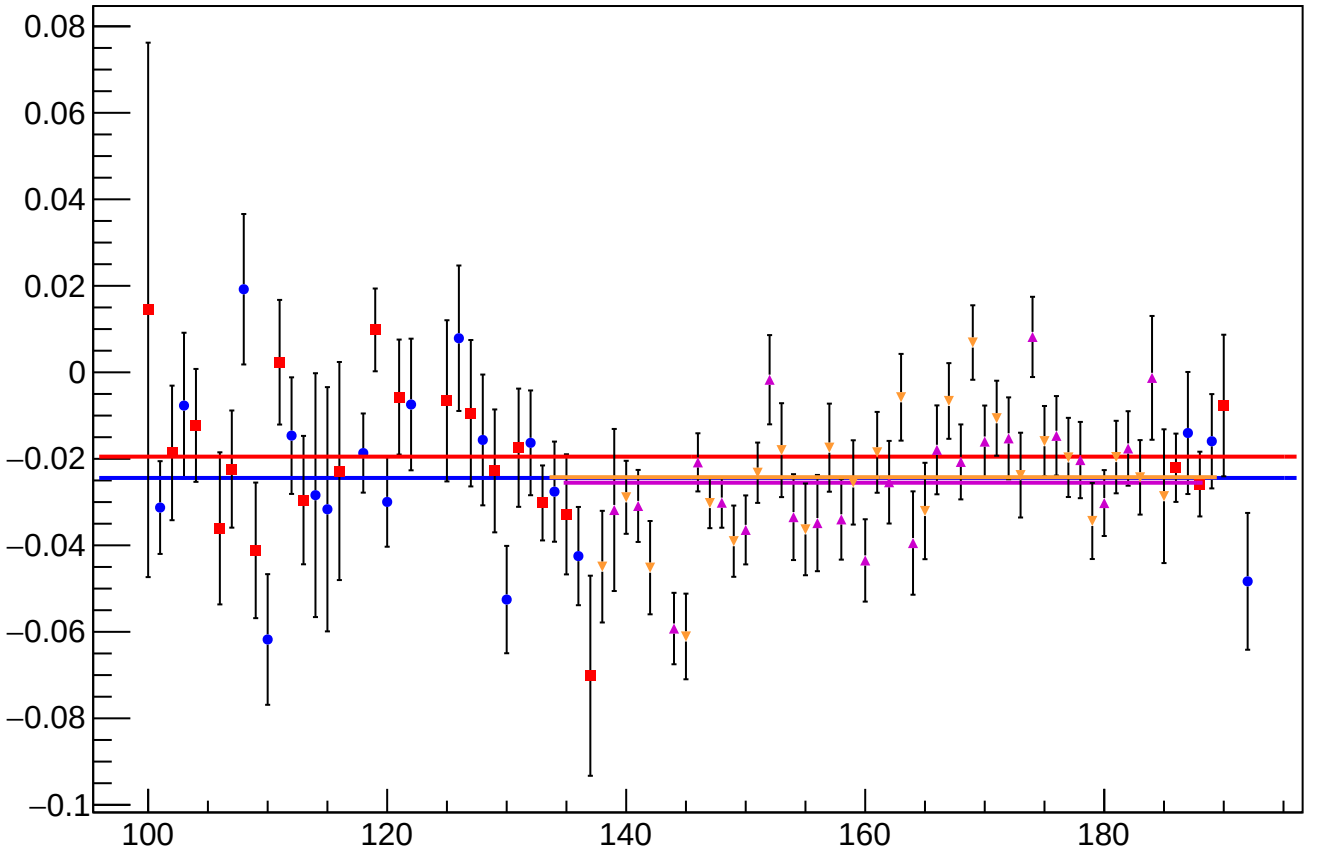
Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

Right: -0.031+/-0.002 χ^2/NDF: 1367.7/39

In: -0.013+/-0.002 χ^2/NDF:1034.8/41

Out: -0.016+/-0.002 χ^2/NDF:1777.0/44

All: -0.015+/-0.001 χ^2/NDF: 2813.2/86



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: -0.019+/-0.003 χ^2/NDF: 26.2/20

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

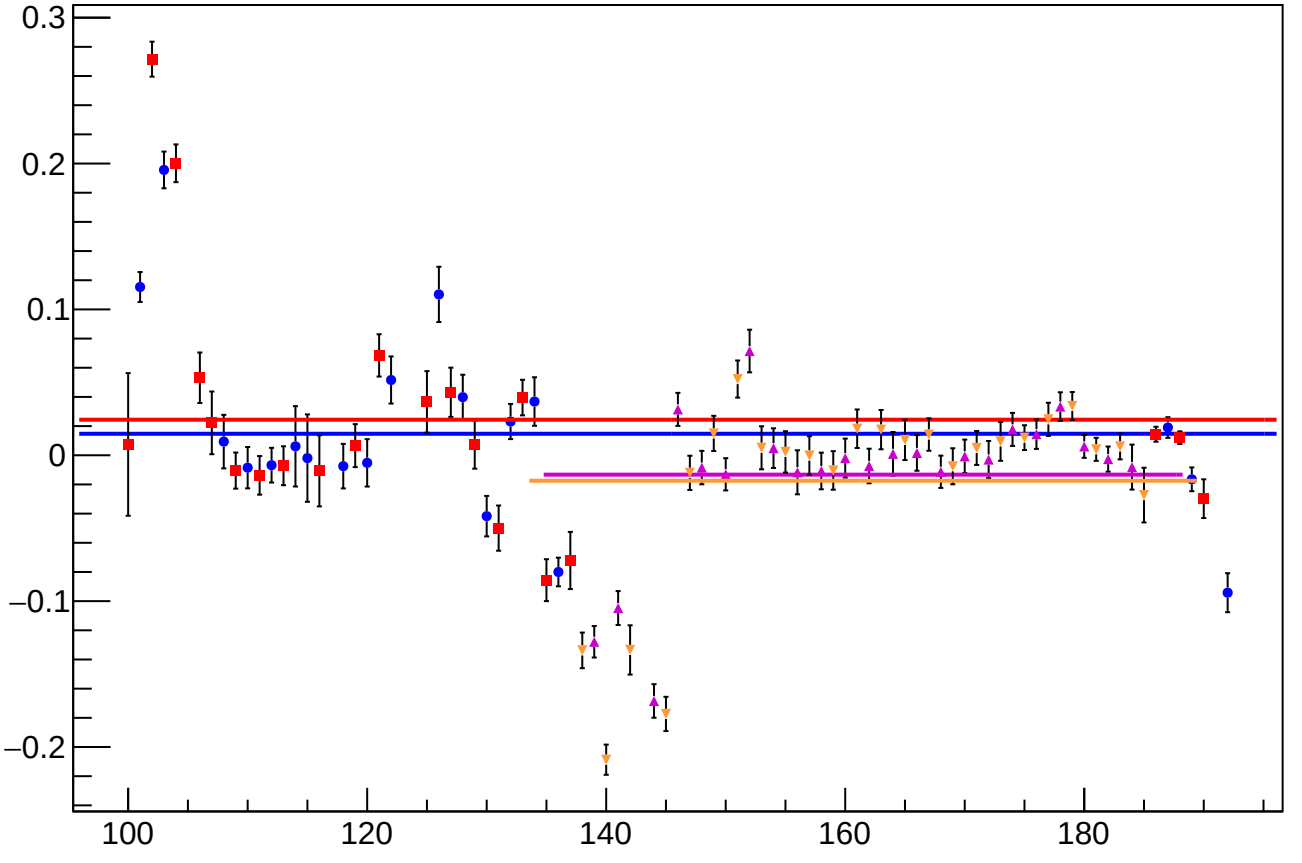
Right: -0.022+/-0.002 χ^2/NDF: 59.6/39

In: -0.025+/-0.002 χ^2/NDF:87.1/41

Out: -0.023+/-0.002 χ^2/NDF:81.9/44

All: -0.024+/-0.001 χ^2/NDF: 170.2/86

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: 0.024+/-0.002 χ^2/NDF: 785.3/20

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

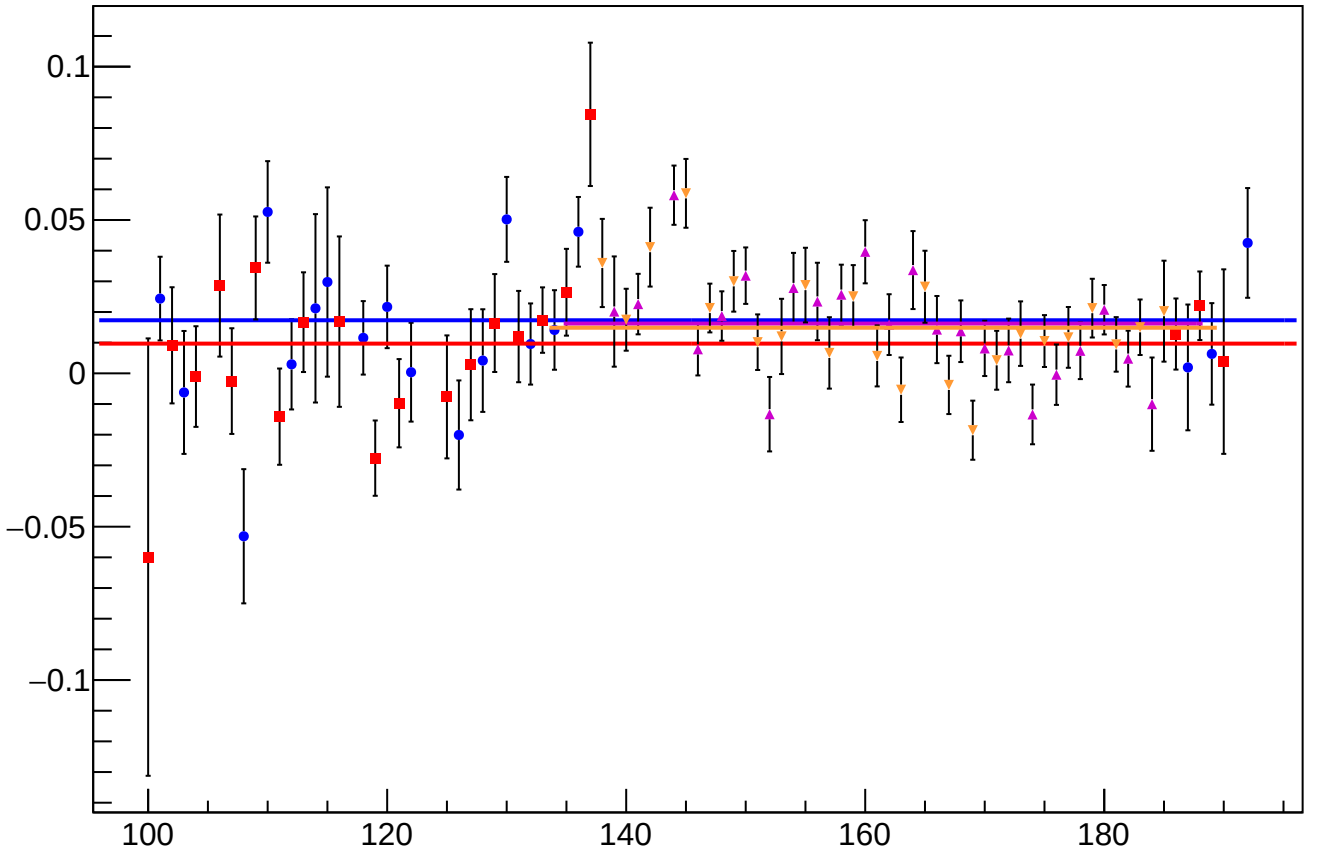
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

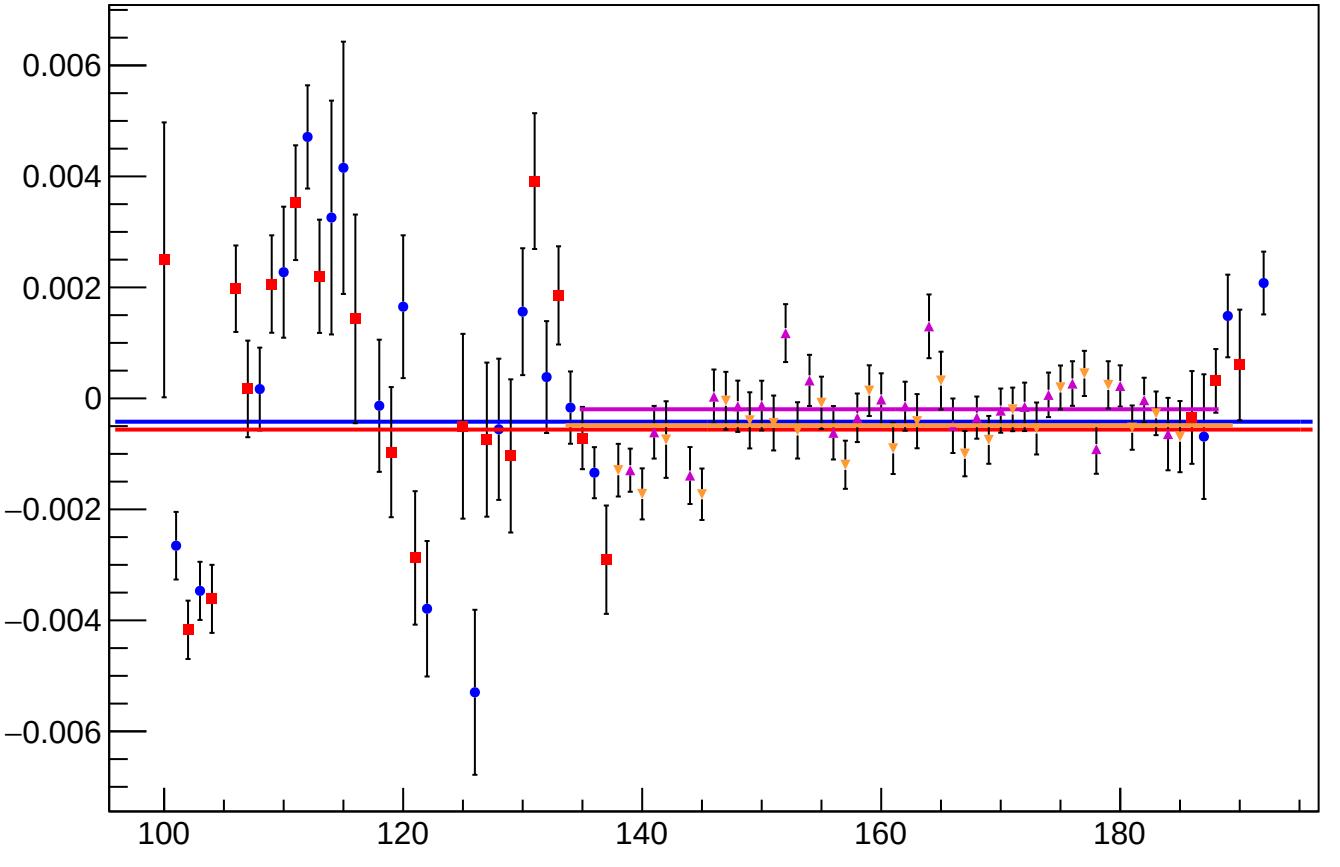
Right: 0.020+/-0.002 χ^2/NDF: 1331.8/39

In: -0.002+/-0.002 χ^2/NDF:1054.2/41

Out: 0.003+/-0.002 χ^2/NDF:1749.8/44

All: 0.001+/-0.001 χ^2/NDF: 2808.4/86


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: 0.010+/-0.003 χ²/NDF: 32.9/20
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
Left: 0.016+/-0.001 χ²/NDF: 110.2/46
Right: 0.013+/-0.003 χ²/NDF: 74.9/39
In: 0.016+/-0.002 χ²/NDF:97.7/41
Out: 0.014+/-0.002 χ²/NDF:86.6/44
All: 0.015+/-0.001 χ²/NDF: 185.7/86



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: -0.001+/-0.000 χ^2/NDF: 152.1/20

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

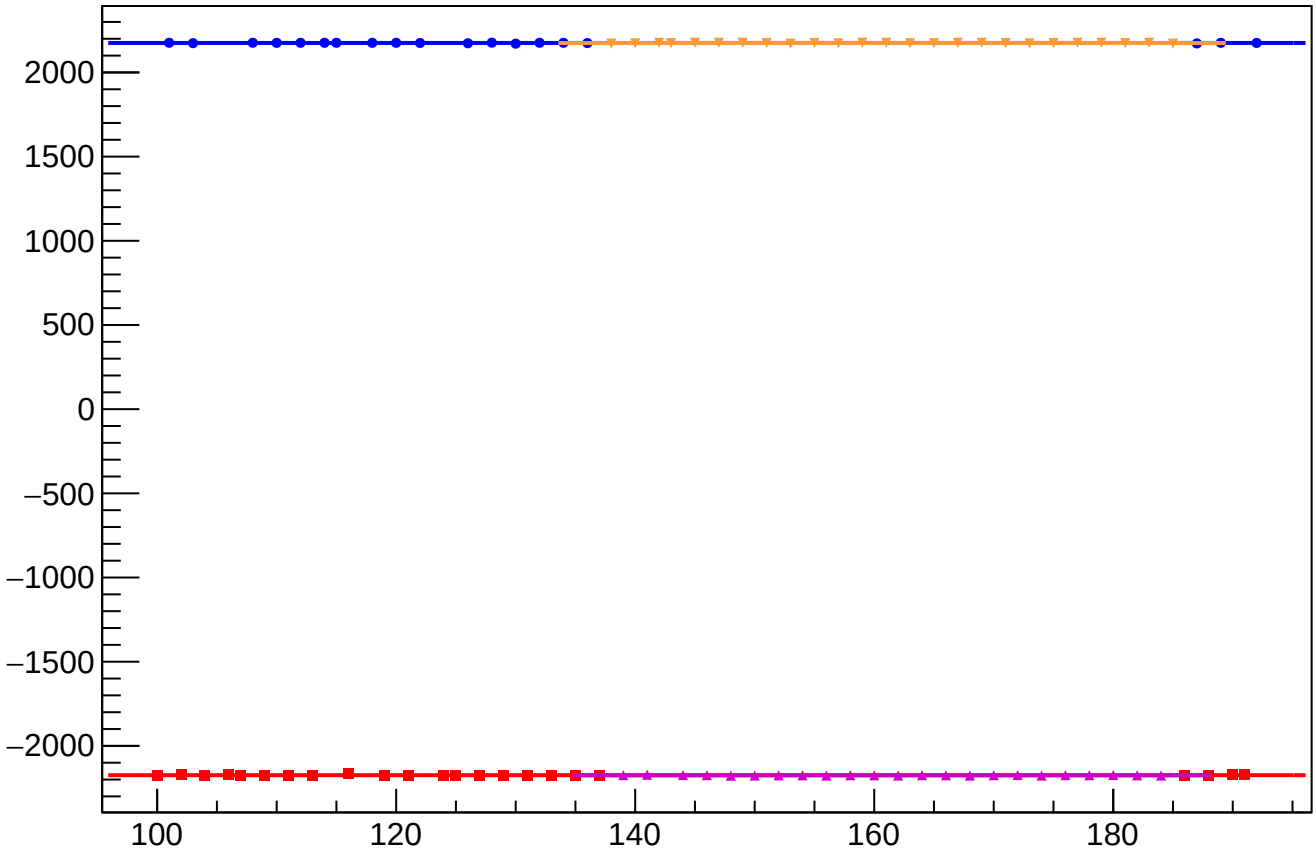
Right: -0.000+/-0.000 χ^2/NDF: 298.1/39

In: -0.000+/-0.000 χ^2/NDF:184.0/41

Out: -0.000+/-0.000 χ^2/NDF:193.1/44

All: -0.000+/-0.000 χ^2/NDF: 381.9/86

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.191+/-0.000 χ^2/NDF: 19443301095165628949279695899197 44.0/18

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

Right Out: -2174.156+/-0.000 χ^2/NDF: 67432037459537052393248763873853 44.0/22

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291 52.0/22

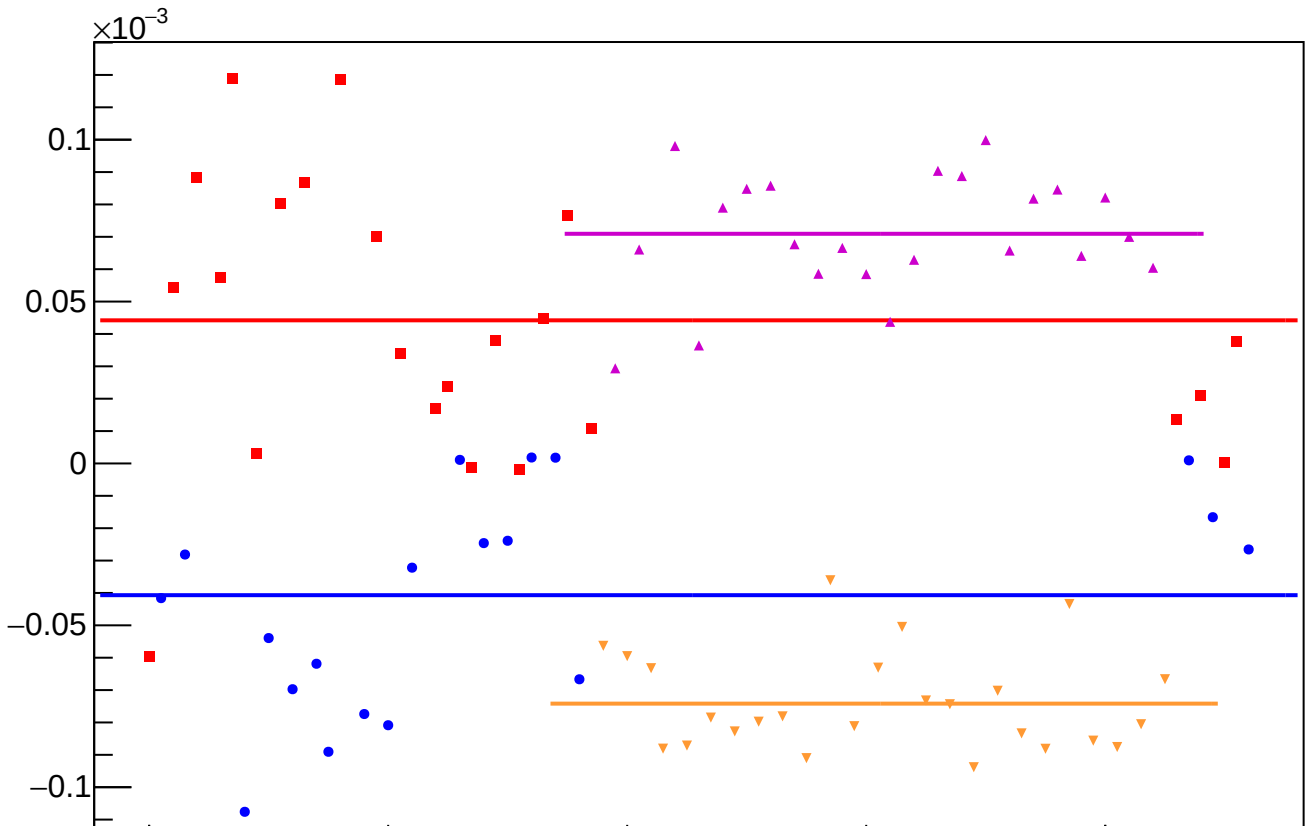
Left: 62.103+/-0.000 χ^2/NDF: 1854116767315315

Right: -58.634+/-0.000 χ^2/NDF: 886070560307919

In: -766.842+/-0.000 χ^2/NDF:1167100359914064

Out: 769.781+/-0.000 χ^2/NDF:1232890409090124

All: 23.065+/-0.000 χ^2/NDF: 274203684382



Right In: -0.000+/-0.000 χ^2/NDF: 8132719916946077232660 48.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:4718347685513097925099 52.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 120500804783048744763392 0.0/22

Left In: 0.000+/-0.000 χ^2/NDF:631091526789889368522752.0/22

Left: -0.000+/-0.000 χ^2/NDF: 21745673800575022

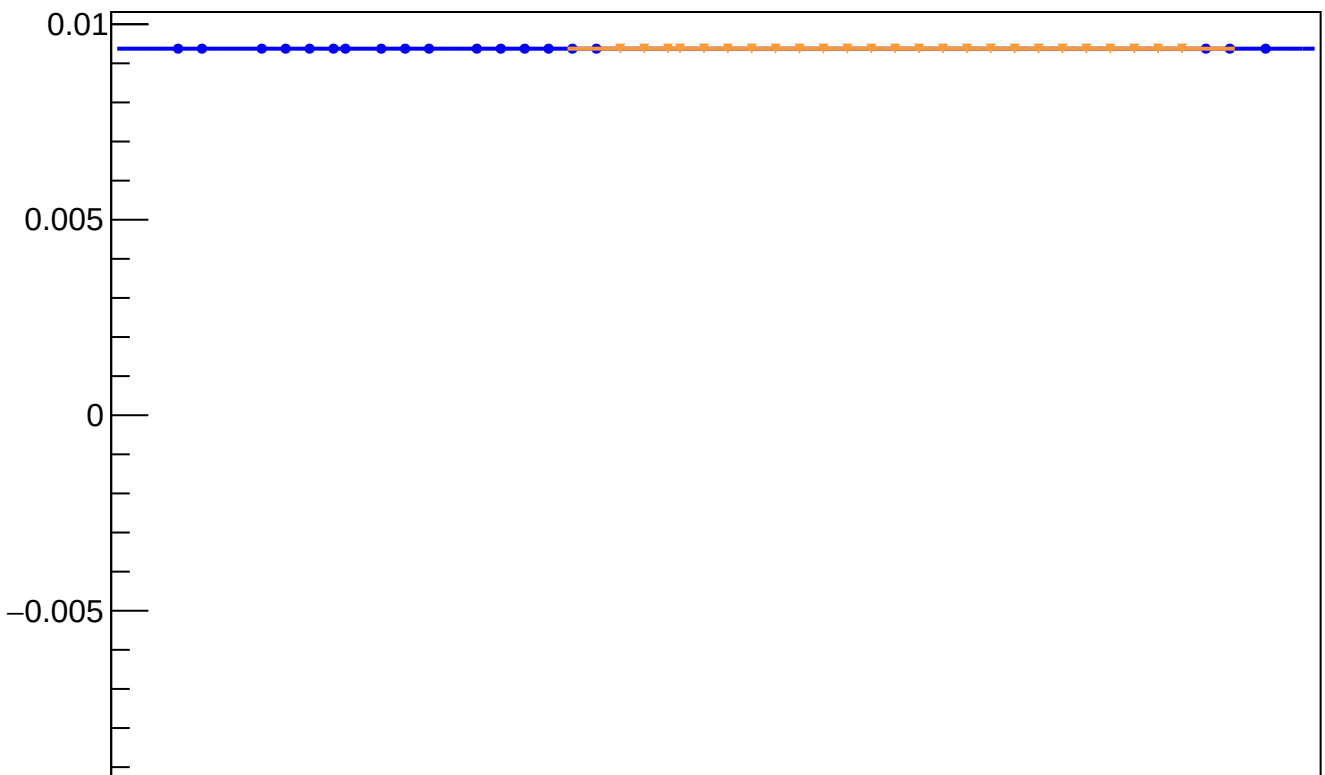
Right: 0.000+/-0.000 χ^2/NDF: 53939142407779655

In: 0.000+/-0.000 χ^2/NDF:9129887074592767957

Out: -0.000+/-0.000 χ^2/NDF:10814126196459987

All: -0.000+/-0.000 χ^2/NDF: 2719502004573

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: 0.1/22

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

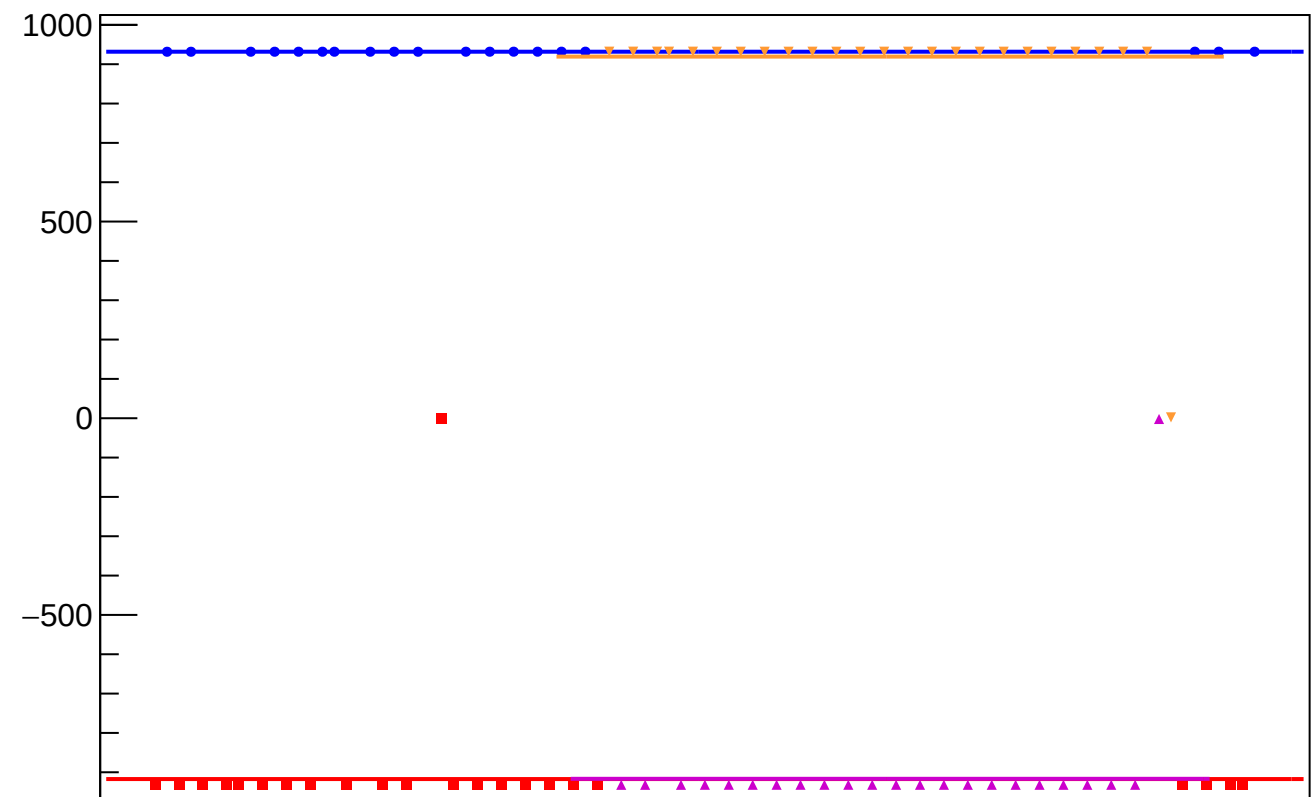
Right: -0.000+/-0.000 χ^2/NDF: 1646729999999998

In: -0.003+/-0.000 χ^2/NDF:216859918381830560

Out: 0.003+/-0.000 χ^2/NDF:229185964231800893

All: 0.000+/-0.000 χ^2/NDF: 509621338269528

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: -917.267+/-0.000 χ^2/NDF: 1281948850864890114548061433834871 1936.0/22

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

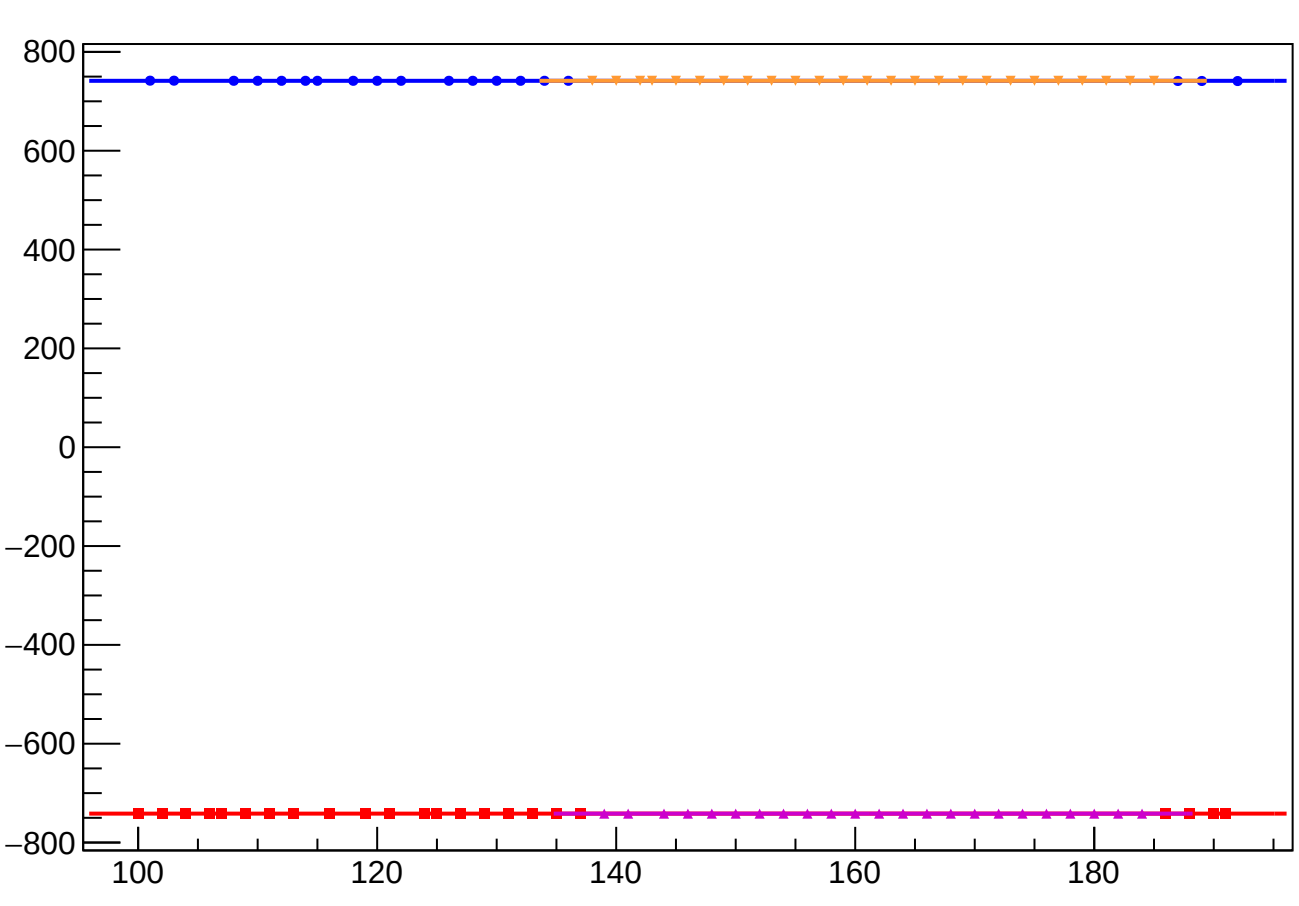
Left: 27.548+/-0.000 χ^2/NDF: 3353551808219363

Right: -17.891+/-0.000 χ^2/NDF: 161427465110137

In: -318.439+/-0.000 χ^2/NDF:2133948630553853

Out: 326.037+/-0.000 χ^2/NDF:2234821181605103

All: 12.856+/-0.000 χ^2/NDF: 4970446157988



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: -741.487+/-0.000 χ^2/NDF: 375277351098914662291905362001 92.0/22

Left In: -741.513+/-0.000 χ^2/NDF:234703983030085423185895882752.0/22

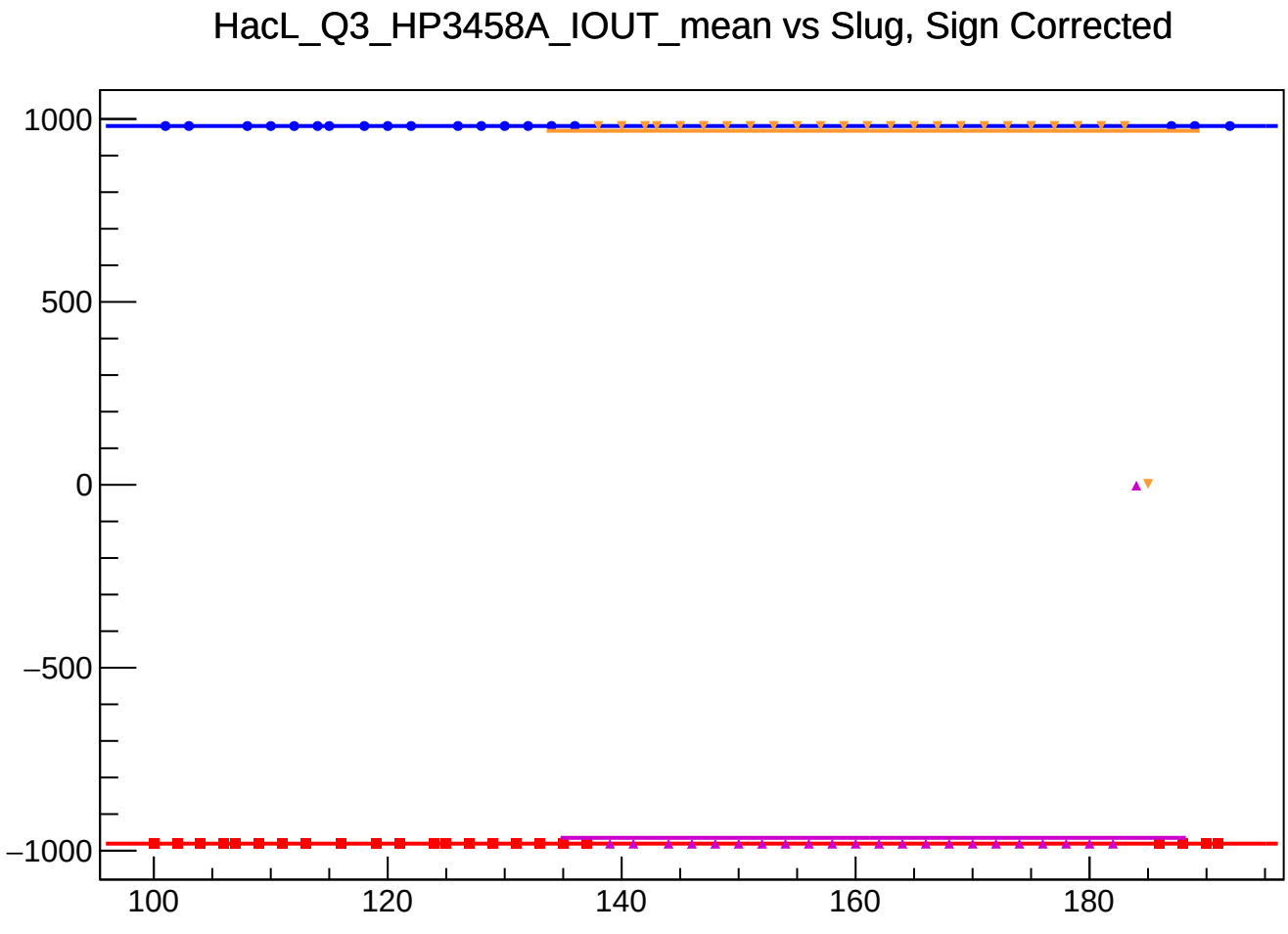
Left: 21.165+/-0.000 χ^2/NDF: 21558191183425632

Right: -20.173+/-0.000 χ^2/NDF: 1030105698199800

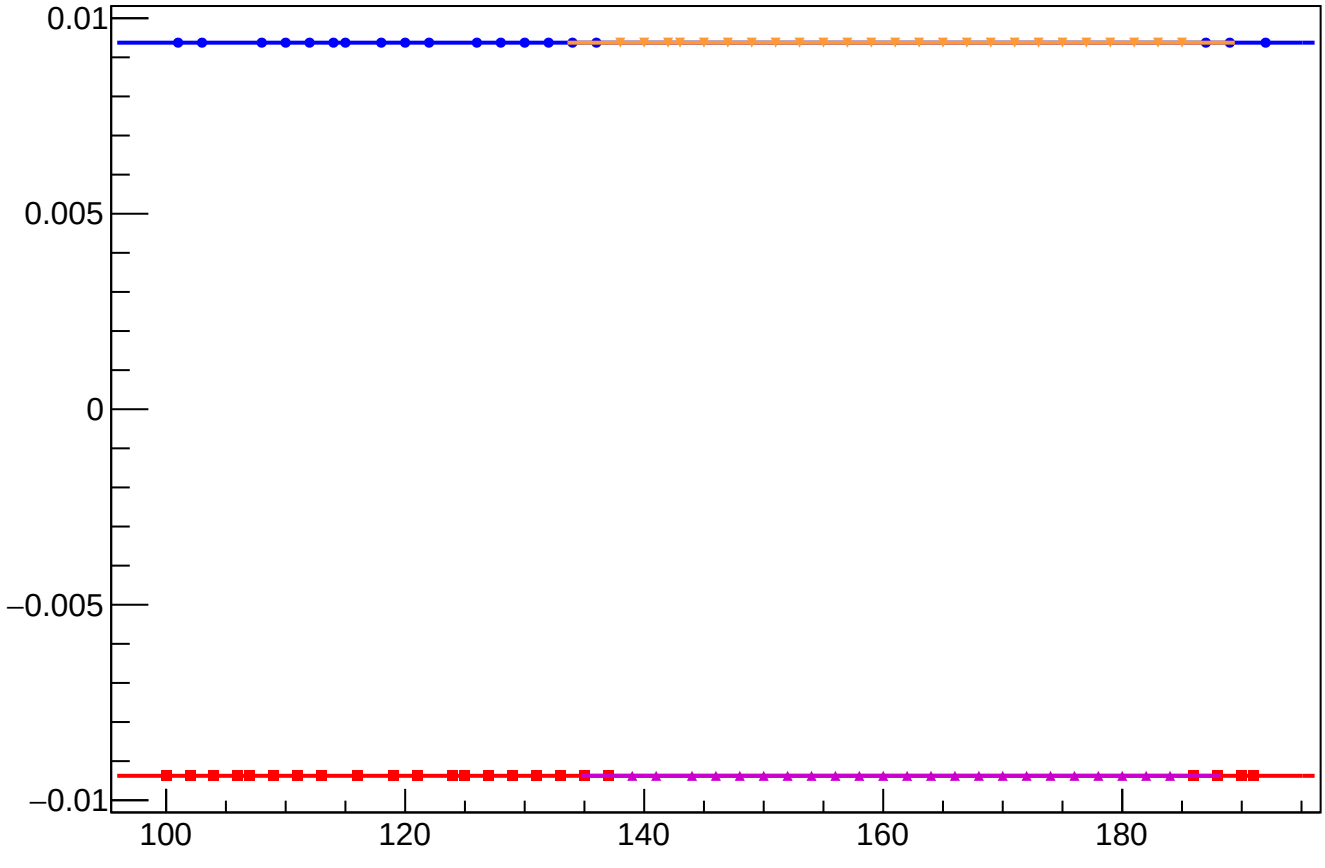
In: -261.567+/-0.000 χ^2/NDF:1356605164228083

Out: 262.436+/-0.000 χ^2/NDF:1433731874368668

All: 7.799+/-0.000 χ^2/NDF: 3188092870720


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
120
140
160
180
Right In: 980.802+/-0.000 χ²/NDF: 950694022269154010795211751424.0/18
Left Out: 967.677+/-0.000 χ²/NDF:2550515560327992564154129577963369267 2.0/24
Right Out: -980.759+/-0.000 χ²/NDF: 6168284559664557600033703618150 4.0/22
Left In: -964.854+/-0.000 χ²/NDF:29215838960103078784112845628245016576.0/22
Left: 28.991+/-0.000 χ²/NDF: 37154523356806808
Right: -26.656+/-0.000 χ²/NDF: 180228563084823
In: -335.174+/-0.000 χ²/NDF:2364334807966298
Out: 338.242+/-0.000 χ²/NDF:2500404841831376
All: 10.999+/-0.000 χ²/NDF: 5521666675768

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: 0.1/22

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

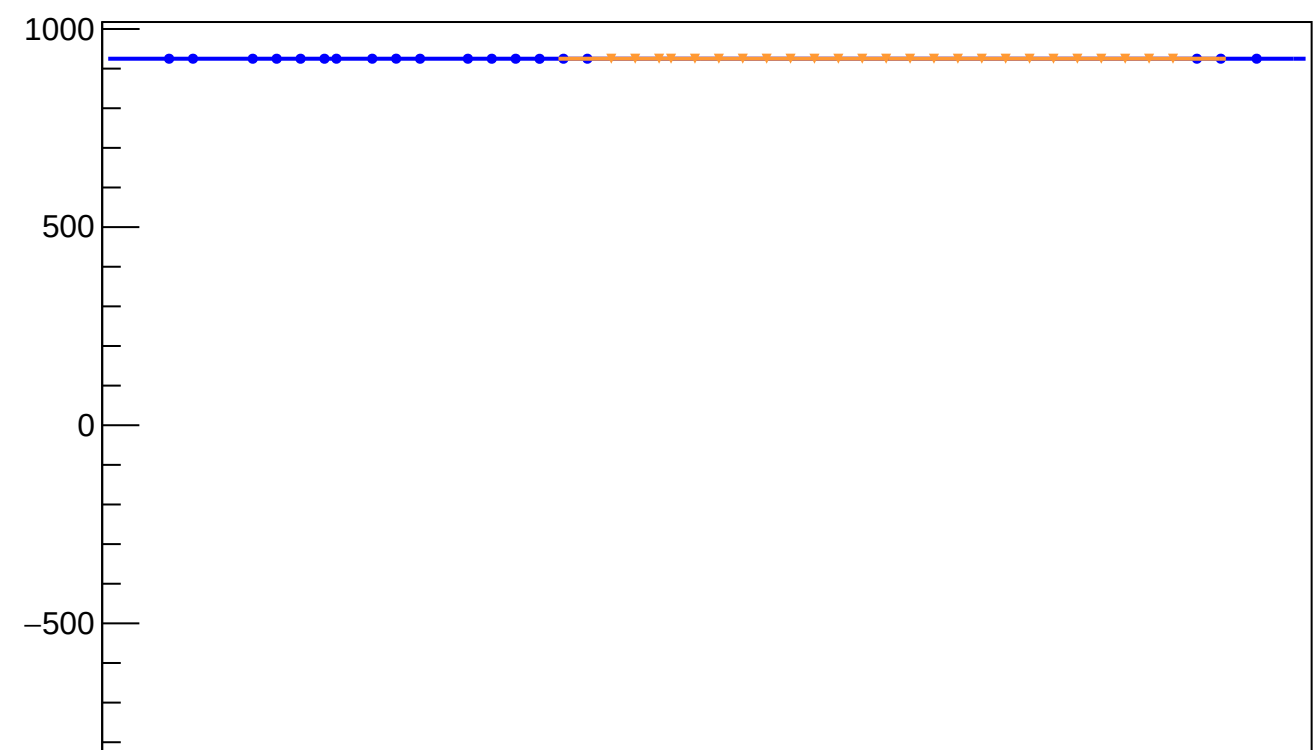
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 1646729999999998

In: -0.003+/-0.000 χ^2/NDF:216859918381830560

Out: 0.003+/-0.000 χ^2/NDF:229185964231800893

All: 0.000+/-0.000 χ^2/NDF: 509621338269528



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: -924.983+/-0.000 χ^2/NDF: 155080209834697646552833117388.0/22

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

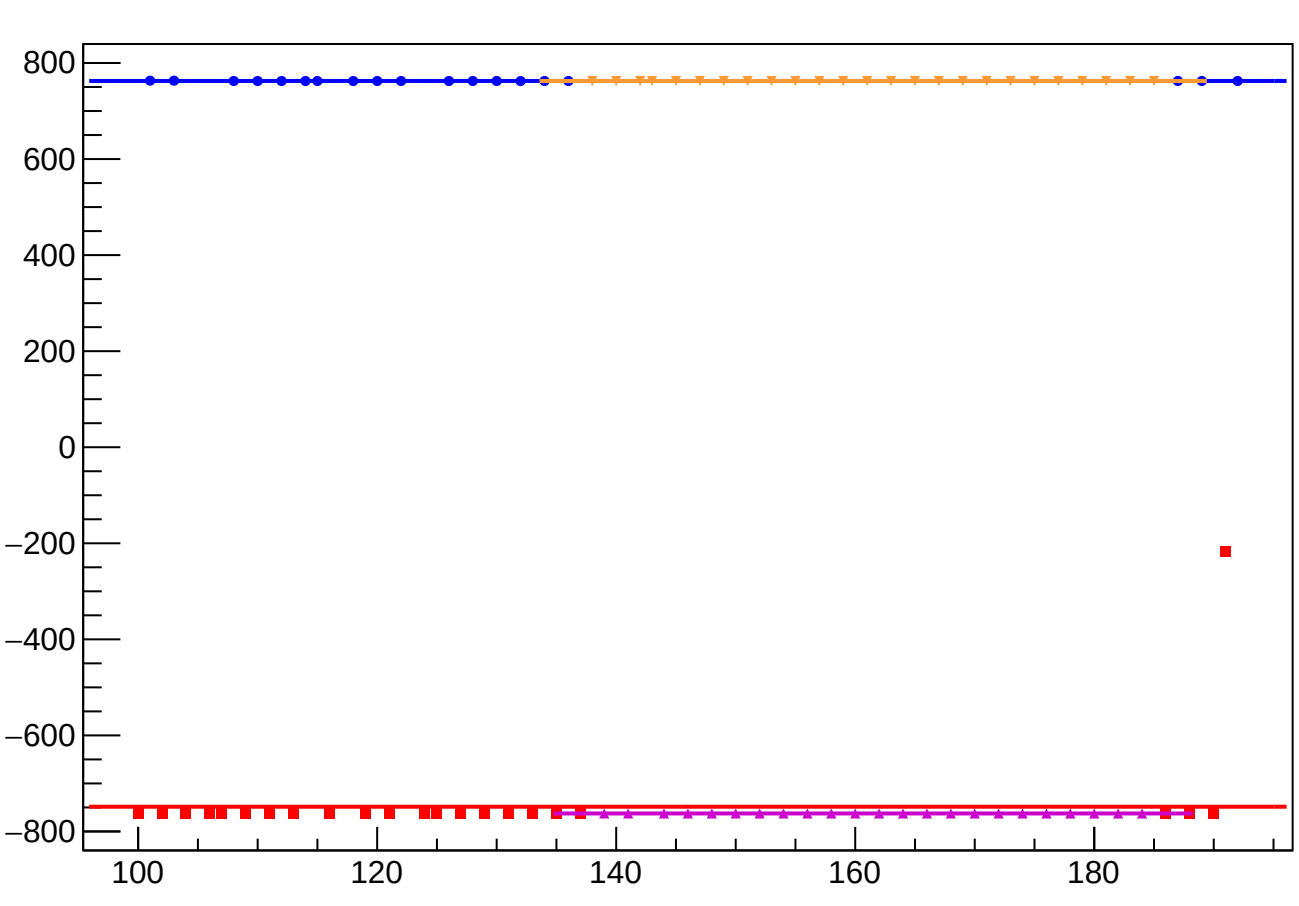
Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

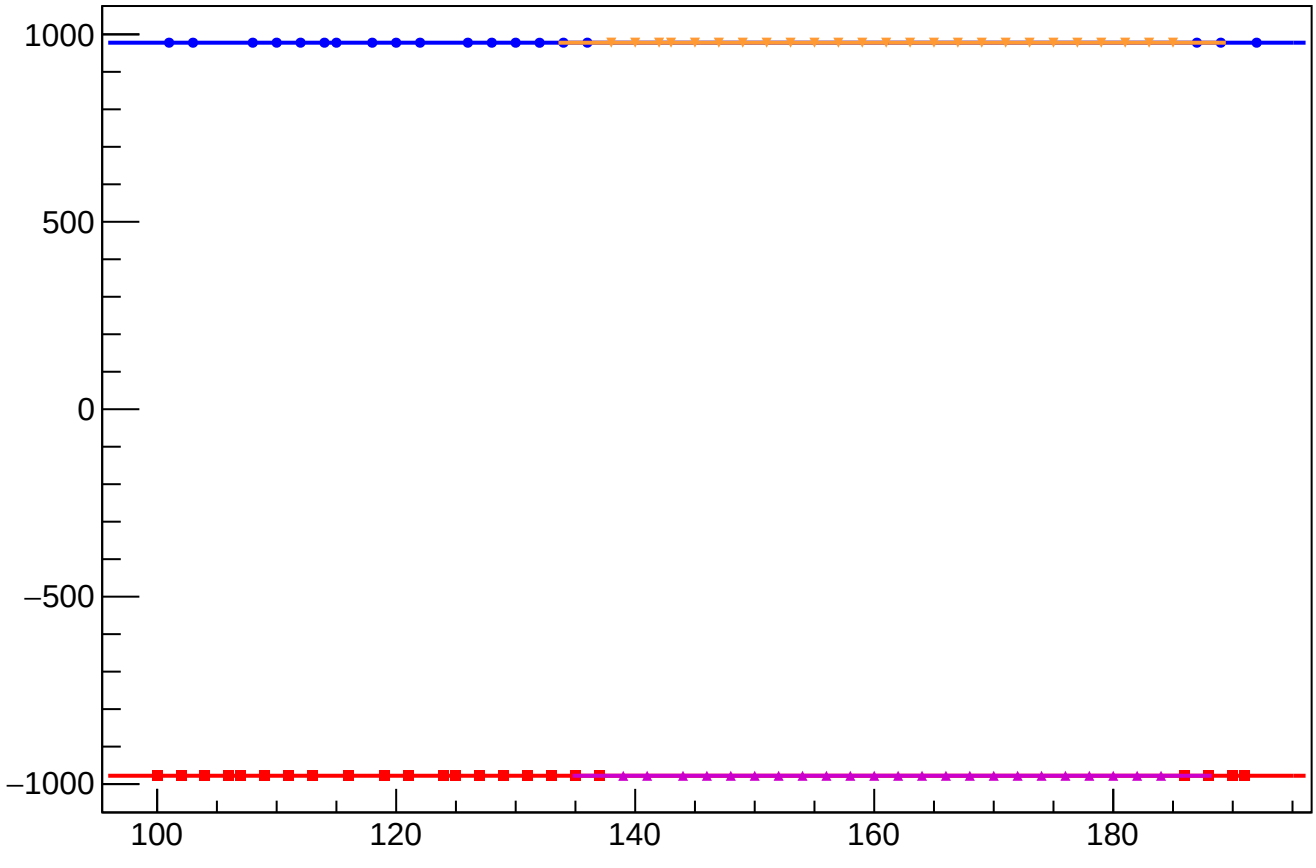
Right: -25.163+/-0.000 χ^2/NDF: 160303844983710

In: -326.274+/-0.000 χ^2/NDF:2111061104832040

Out: 327.359+/-0.000 χ^2/NDF:223106972996383

All: 9.729+/-0.000 χ^2/NDF: 4961027069189


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: -748.448+/-0.000 χ²/NDF: 7247231862072767141333104566319710208.0/22
Left In: -762.519+/-0.000 χ²/NDF:67064753778125939445211961753 6.0/22
Left: 21.764+/-0.000 χ²/NDF: 2279690166404058
Right: -13.475+/-0.000 χ²/NDF: 107673440773512
In: -268.939+/-0.000 χ²/NDF:1434773970178287
Out: 274.407+/-0.000 χ²/NDF:14955619988367 53
All: 10.370+/-0.000 χ²/NDF: 335800003807



Right In: 977.755+/-0.000 χ^2/NDF: 209881821629586415190609494016O.0/18

Left Out: 977.738+/-0.000 χ^2/NDF:11784078725663365723250009047O4.0/24

Right Out: -977.753+/-0.000 χ^2/NDF: 2000589637842713069783070277632.0/22

Left In: -977.735+/-0.000 χ^2/NDF:109676643760541725462707254O672.0/22

Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

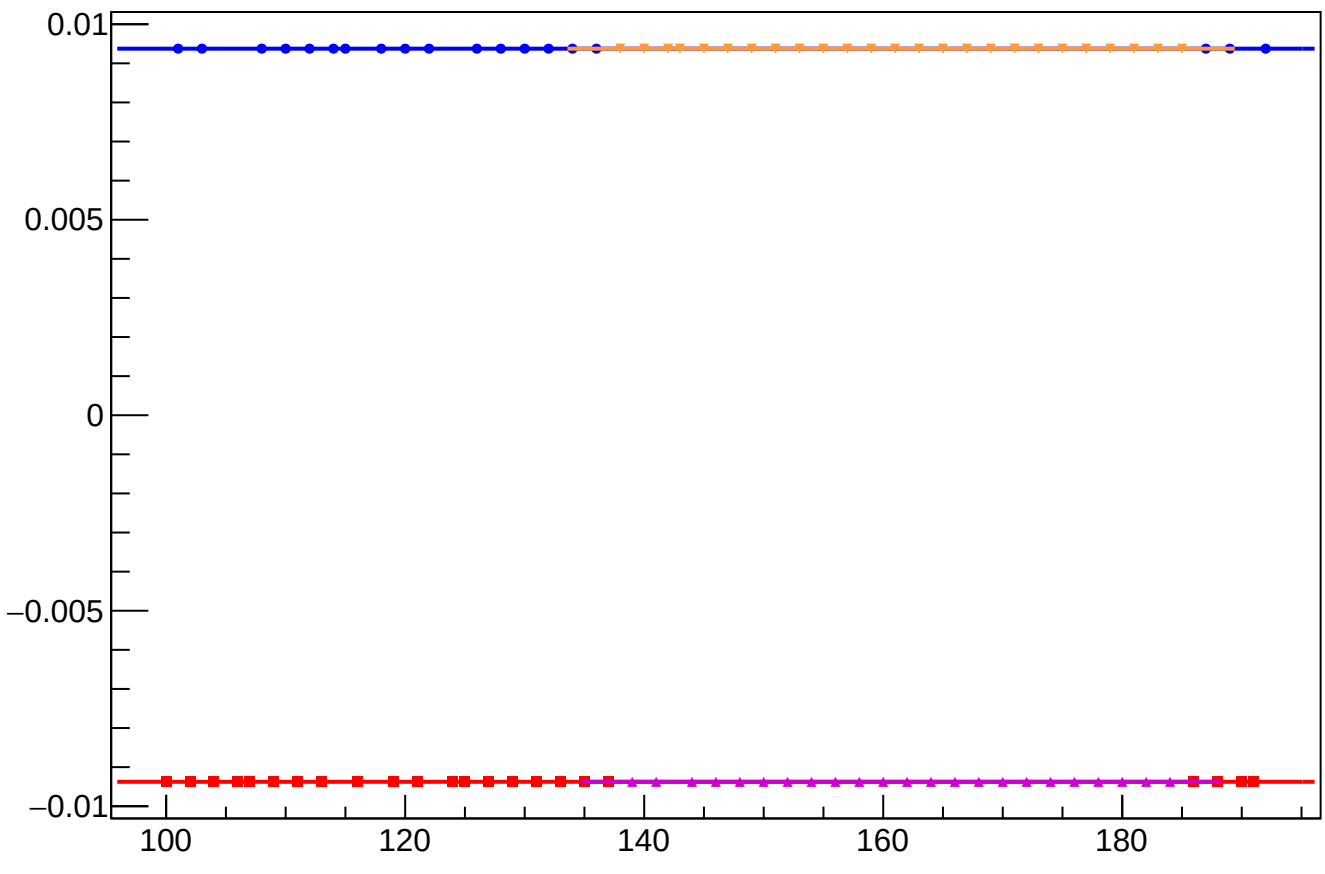
Right: -26.594+/-0.000 χ^2/NDF: 1791179473645903

In: -344.873+/-0.000 χ^2/NDF:2358783059648316

Out: 346.024+/-0.000 χ^2/NDF:2492855049444812

All: 10.286+/-0.000 χ^2/NDF: 554311255362

hesDipole_current_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: 0.1/22

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

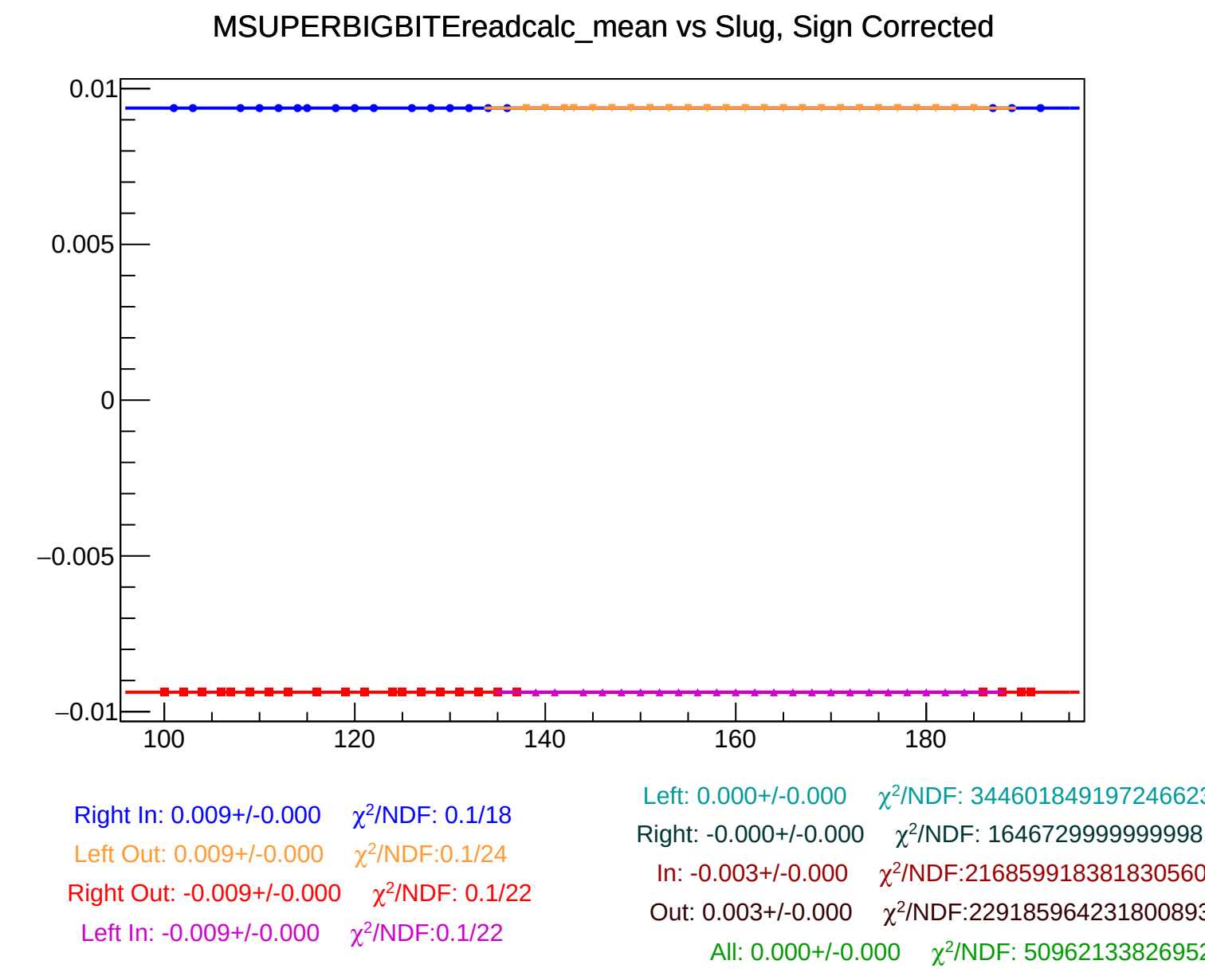
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 1646729999999998

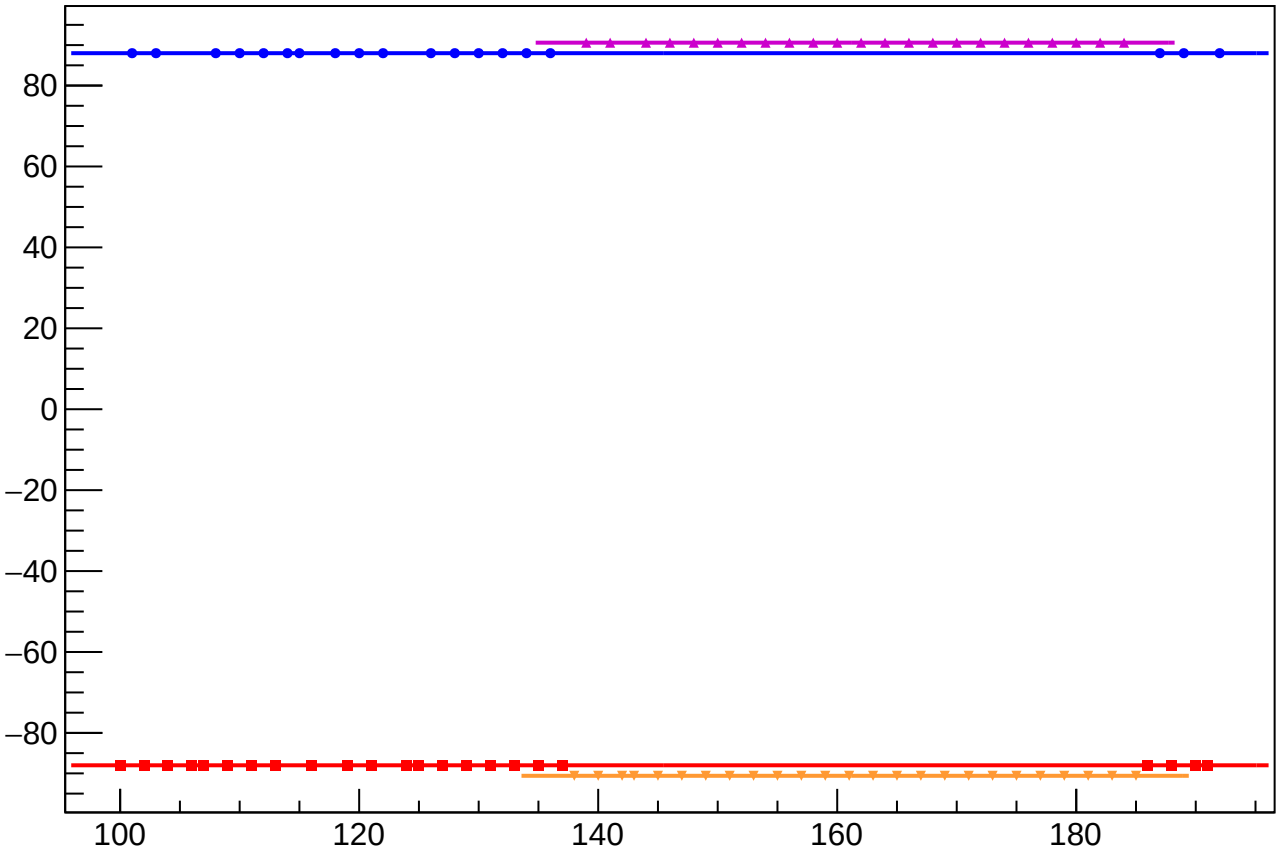
In: -0.003+/-0.000 χ^2/NDF:216859918381830560

Out: 0.003+/-0.000 χ^2/NDF:229185964231800893

All: 0.000+/-0.000 χ^2/NDF: 509621338269526


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: 0.1/22
Left In: -0.009+/-0.000 χ²/NDF:0.1/22
Left: 0.000+/-0.000 χ²/NDF: 34460184919724662
Right: -0.000+/-0.000 χ²/NDF: 1646729999999998
In: -0.003+/-0.000 χ²/NDF:216859918381830560
Out: 0.003+/-0.000 χ²/NDF:229185964231800893
All: 0.000+/-0.000 χ²/NDF: 509621338269

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: 7438536365811751985244589260 8.0/22

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

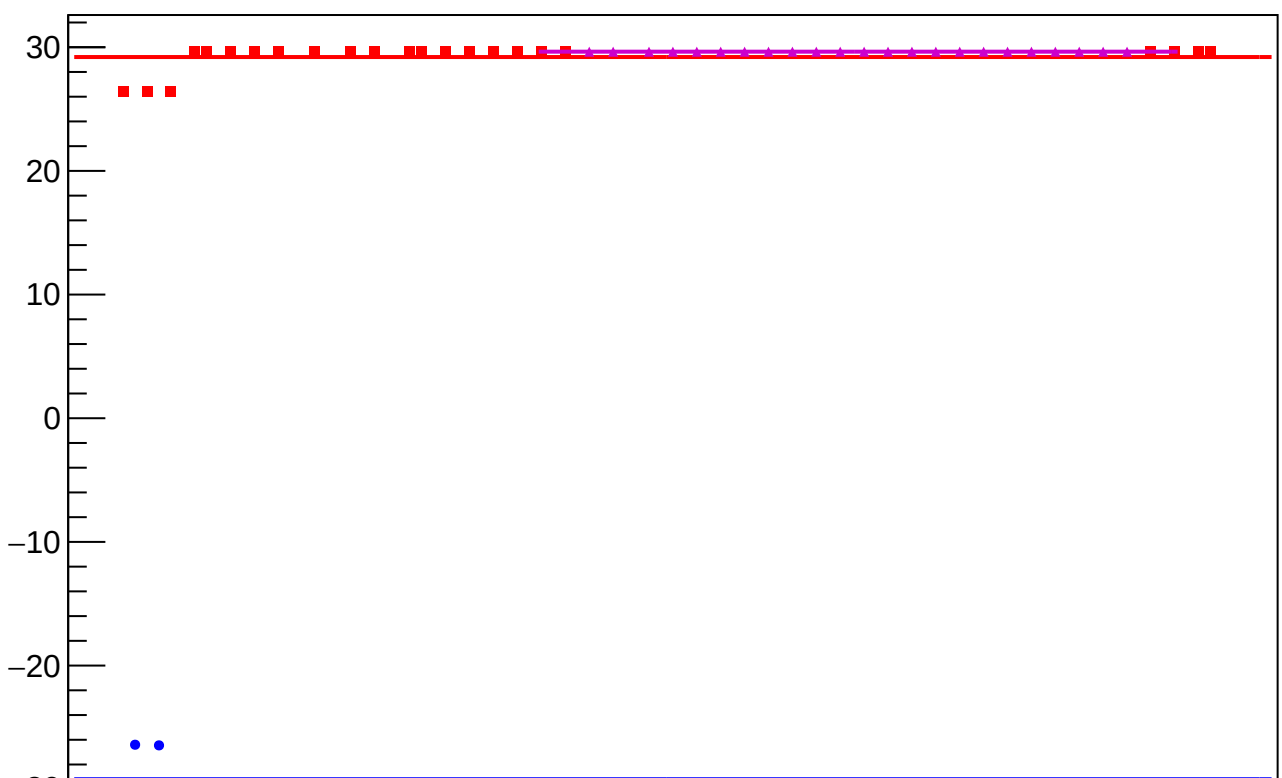
Right: -2.395+/-0.000 χ^2/NDF: 1450984265278901

In: 89.758+/-0.000 χ^2/NDF:4165369426365849 80

Out: -89.761+/-0.000 χ^2/NDF:4394943472123435

All: -2.524+/-0.000 χ^2/NDF: 4669275416250

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.190+/-0.000 χ^2/NDF: 113721094962407727638797281656832 0.0/18

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.207+/-0.000 χ^2/NDF: 11727879476635719491150727222394 88.0/22

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

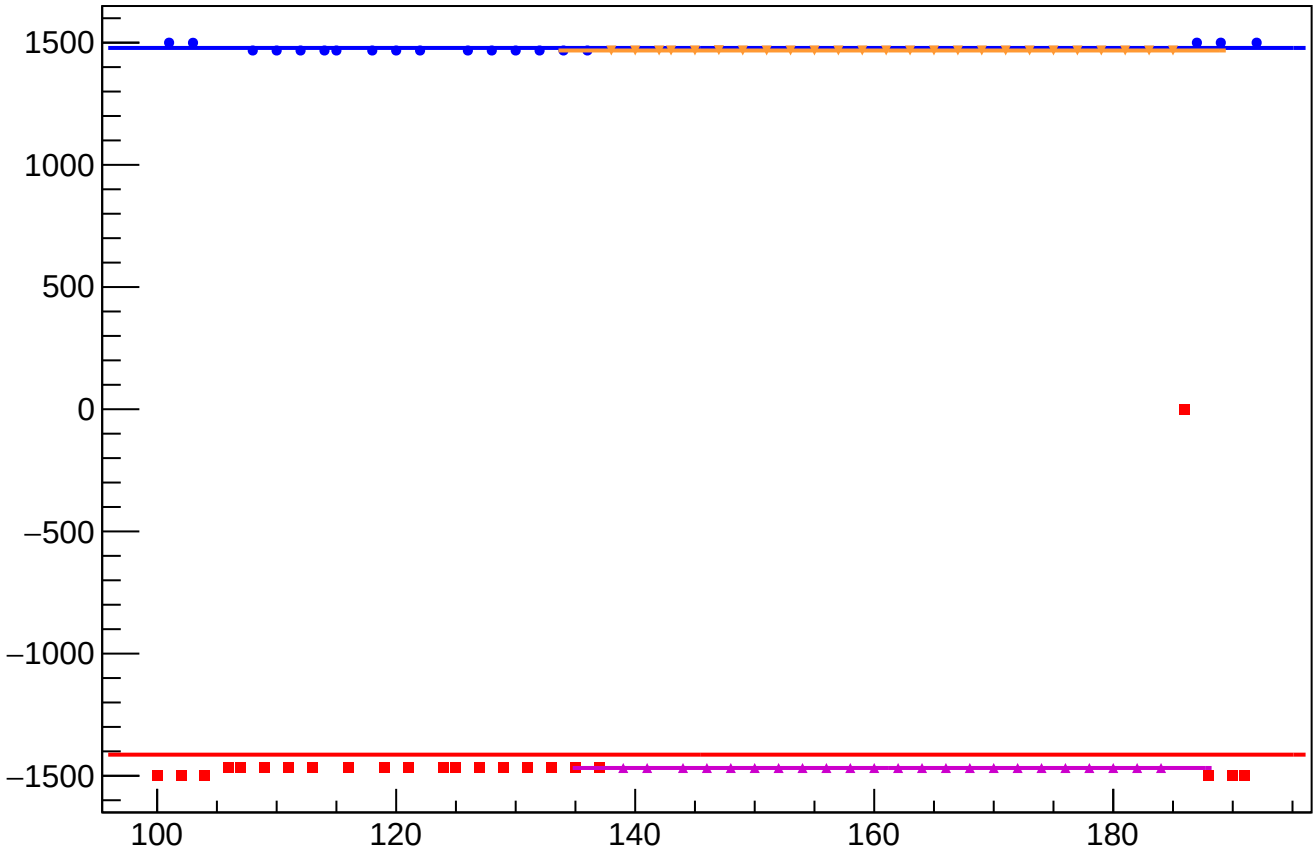
Right: 0.803+/-0.000 χ^2/NDF: 15996195105259143

In: 10.601+/-0.000 χ^2/NDF:213603811388375520

Out: -10.630+/-0.000 χ^2/NDF:2258735631167233

All: -0.313+/-0.000 χ^2/NDF: 5047773753678

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1478.442+/-0.000 χ^2/NDF: 204708102064615111996269972332478464.0/18

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: -1413.499+/-0.000 χ^2/NDF: 879432900939288628525214177265136435 20.0/22

Left In: -1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Left: 41.929+/-0.000 χ^2/NDF: 84496793302930950

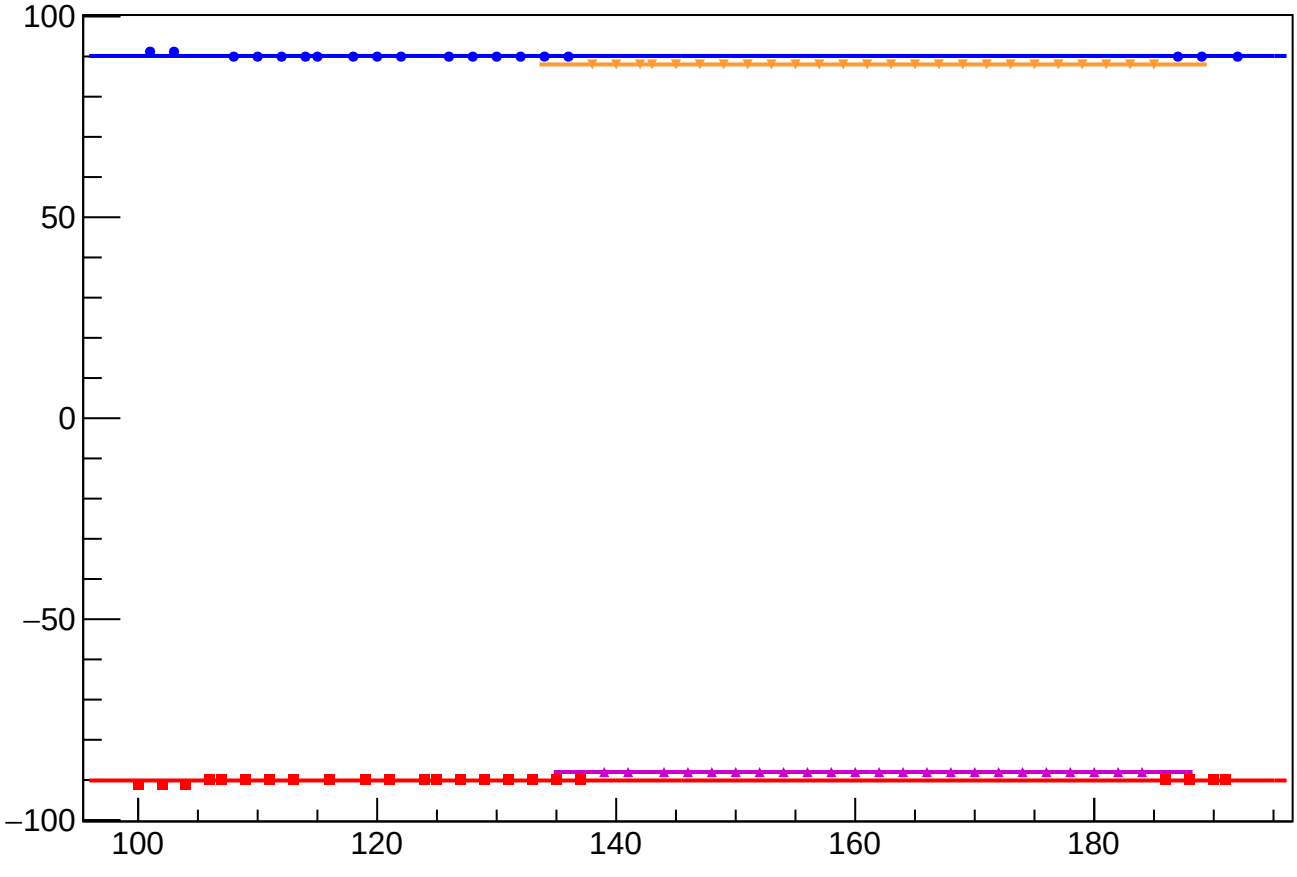
Right: -6.859+/-0.000 χ^2/NDF: 4005556116459931

In: -514.427+/-0.000 χ^2/NDF:5355344055428959

Out: 537.178+/-0.000 χ^2/NDF:5500938559277706

All: 26.155+/-0.000 χ^2/NDF: 1245825540397

Phi_FG_mean vs Slug, Sign Corrected



Left: 2.512+/-0.000 χ^2/NDF: 303769885681723848

Right In: 90.133+/-0.000 χ^2/NDF: 16634121684159284769926792662220 8.0/18

Right: -2.448+/-0.000 χ^2/NDF: 1522016125309264

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

In: -30.364+/-0.000 χ^2/NDF:19578023420326501

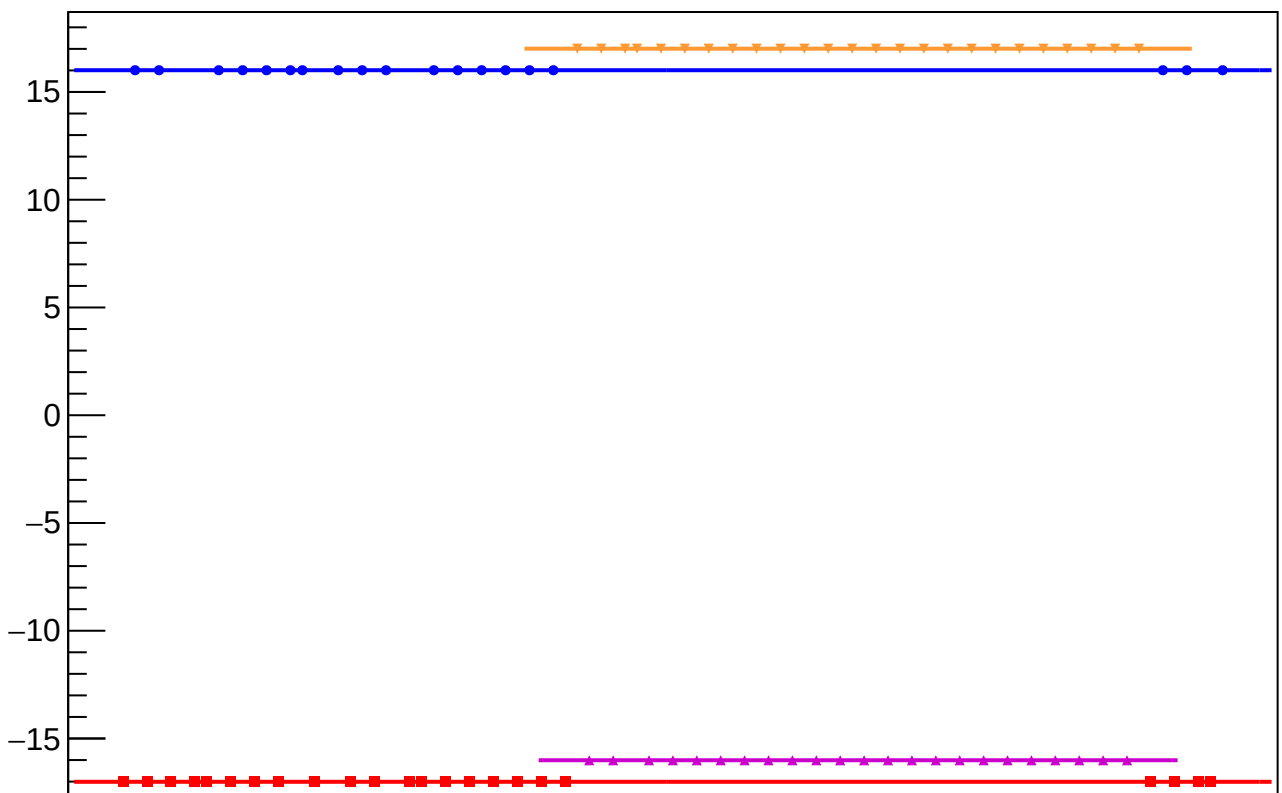
Right Out: -90.125+/-0.000 χ^2/NDF: 17178009719627881606888666483916 8.0/22

Out: 30.471+/-0.000 χ^2/NDF:20689107018551859

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

All: 0.909+/-0.000 χ^2/NDF: 4562836518251

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: 15967245599578512288645120.0/22

Left In: -16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

Left: 0.967+/-0.000 χ^2/NDF: 991588108006867686

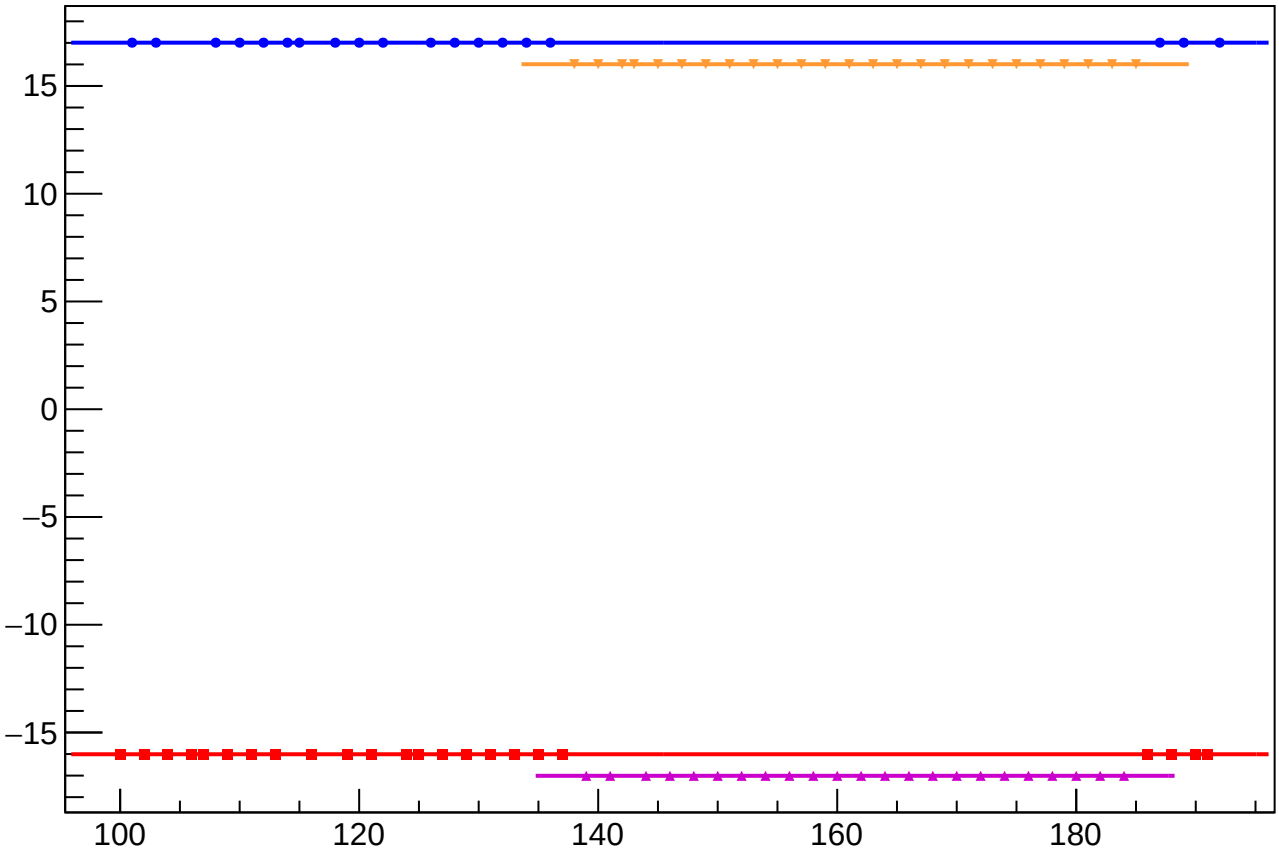
Right: -0.687+/-0.000 χ^2/NDF: 4812757772429769

In: -5.429+/-0.000 χ^2/NDF:599263686839140276

Out: 6.022+/-0.000 χ^2/NDF:69967099225491630

All: 0.427+/-0.000 χ^2/NDF: 14761168162910

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: 209256.4/22

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

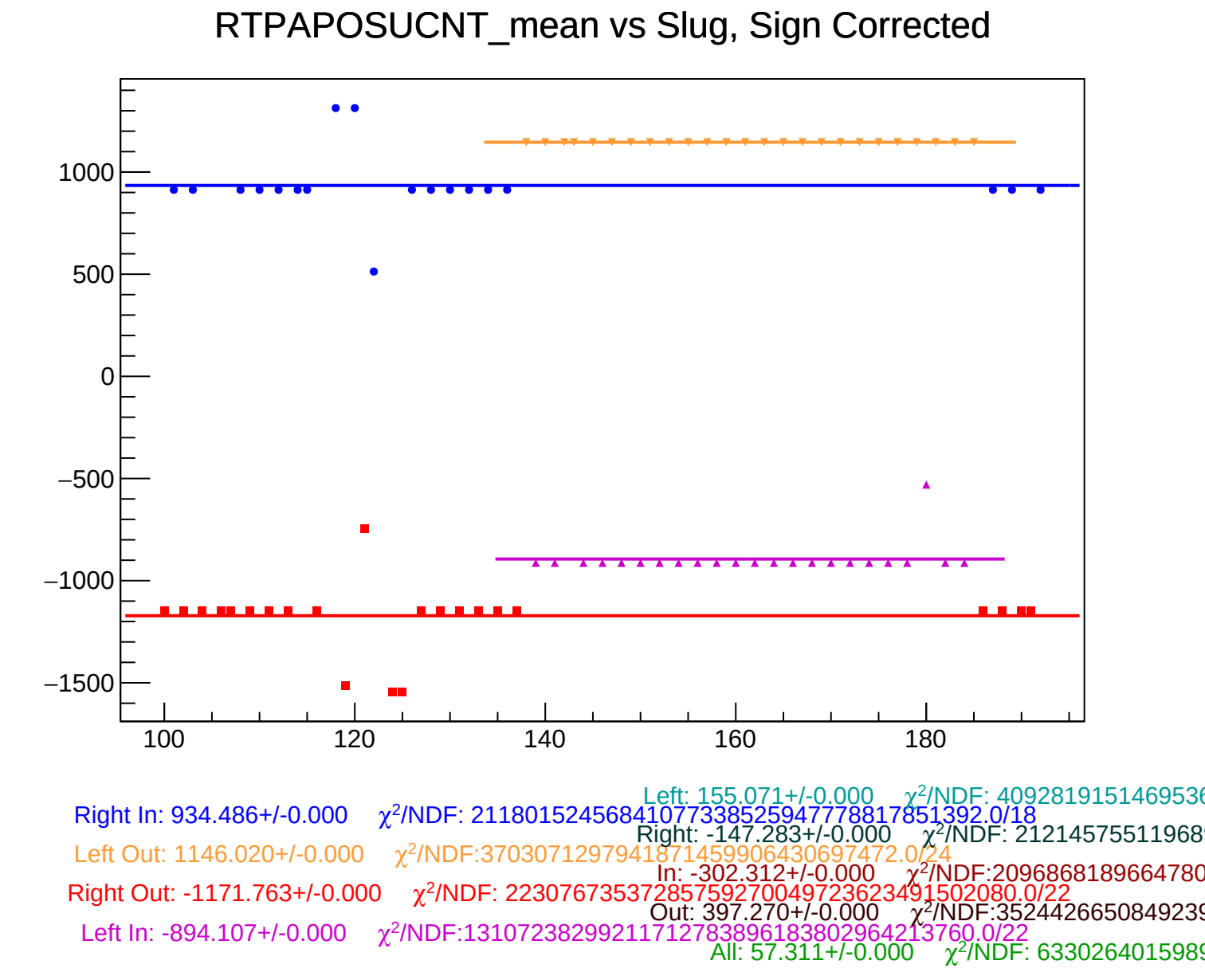
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

Right: -0.228+/-0.000 χ^2/NDF: 4997182642848821

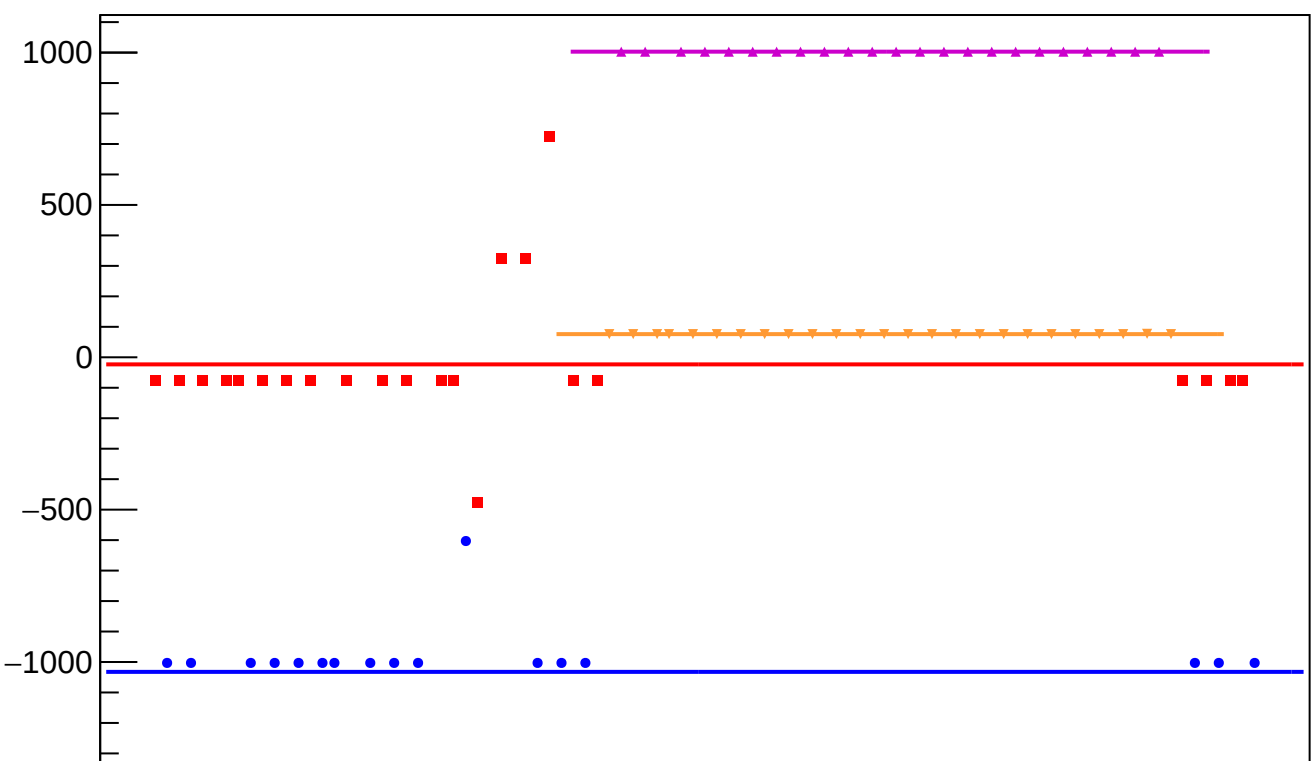
In: -6.101+/-0.000 χ^2/NDF:690256772992002893

Out: 5.604+/-0.000 χ^2/NDF:663662479717455835

All: -0.029+/-0.000 χ^2/NDF: 1548491114312


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
Right In: 934.486+/-0.000 χ²/NDF: 211801524568410773385259477788178513920.0/18
Left Out: 1146.020+/-0.000 χ²/NDF:37030712979418714599064306974720.0/24
Right Out: -1171.763+/-0.000 χ²/NDF: 22307673537285759270049723623491502080.0/22
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137600.0/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -147.283+/-0.000 χ²/NDF: 212145755119681
In: -302.312+/-0.000 χ²/NDF:2096868189664780
Out: 397.270+/-0.000 χ²/NDF:3524426650849239
All: 57.311+/-0.000 χ²/NDF: 6330264015989

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

Right In: -1032.375+/-0.000 χ^2/NDF: 230521084766612000490995134127920906240.0/18

Right: -514.093+/-0.000 χ^2/NDF: 546795081892160

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

In: 344.277+/-0.000 χ^2/NDF:257846724432846320

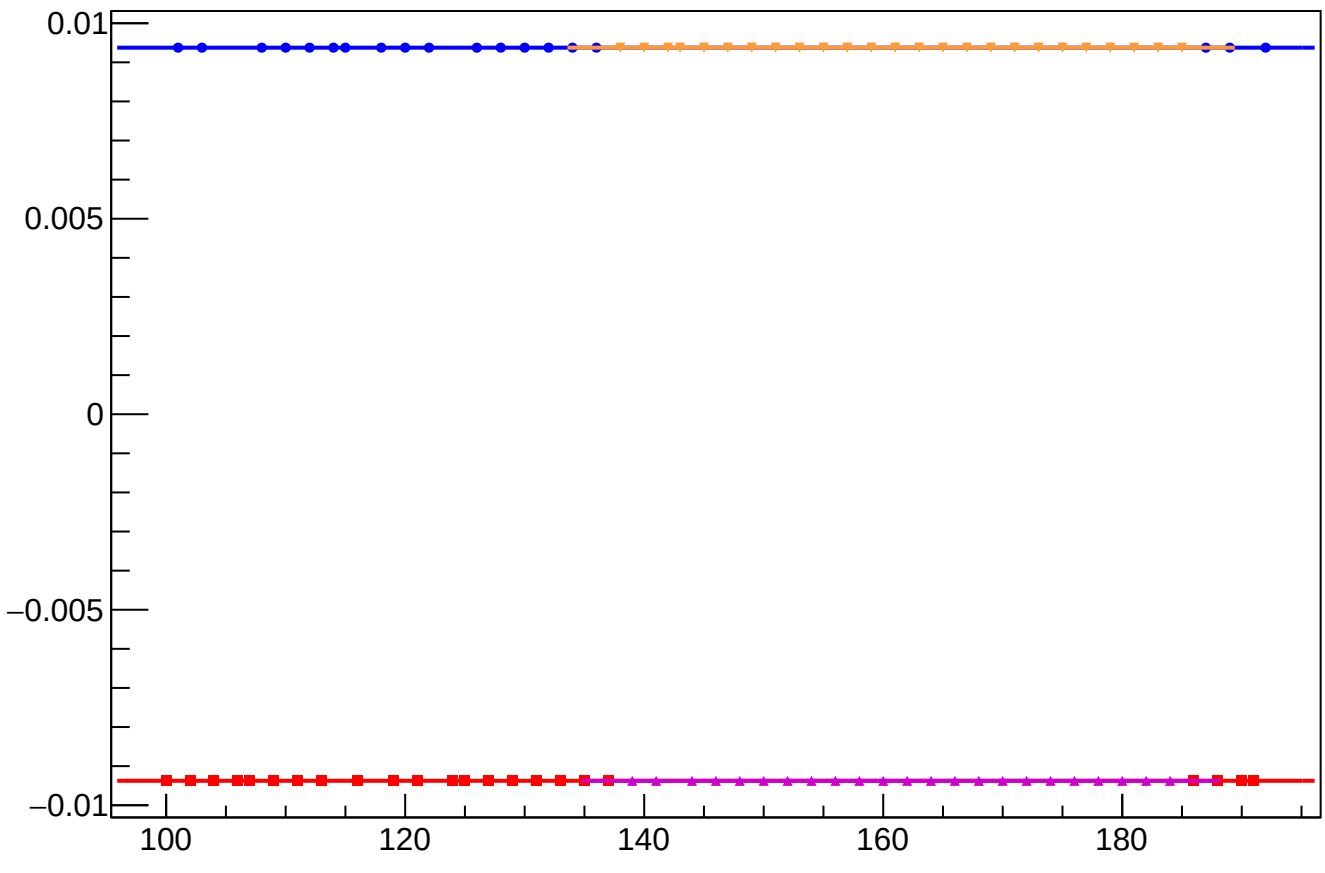
Right Out: -23.258+/-0.000 χ^2/NDF: 467599416110626579835882154676453376 00.0/22

Out: 43.971+/-0.000 χ^2/NDF:53189576385142610

Left In: 1002.990+/-0.000 χ^2/NDF:295195590334831475309726924 8.0/22

All: 189.903+/-0.000 χ^2/NDF: 276229753885

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: 0.1/22

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

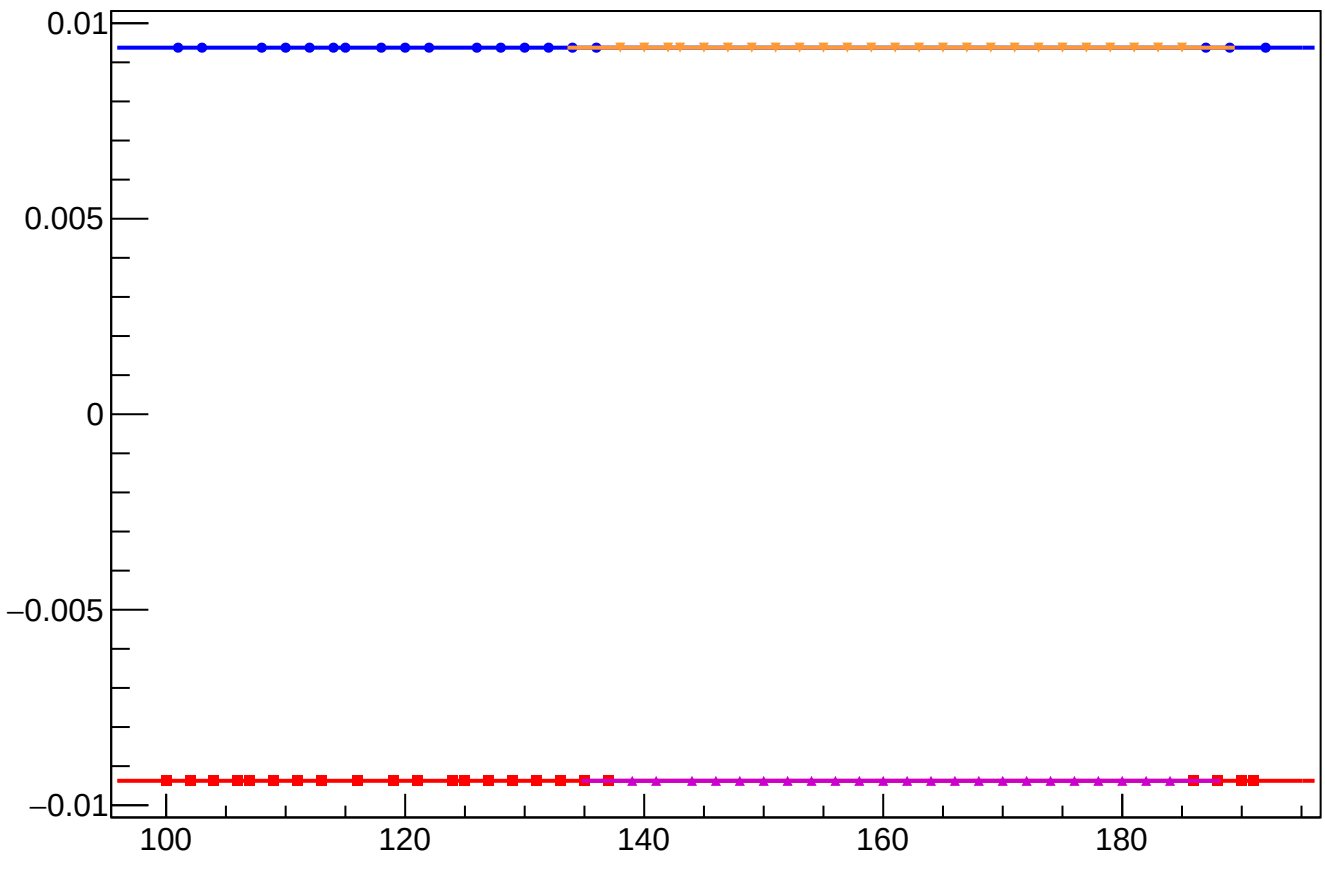
Right: -0.000+/-0.000 χ^2/NDF: 1646729999999998

In: -0.003+/-0.000 χ^2/NDF:216859918381830560

Out: 0.003+/-0.000 χ^2/NDF:229185964231800893

All: 0.000+/-0.000 χ^2/NDF: 509621338269528

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: 0.1/22

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 1646729999999998

In: -0.003+/-0.000 χ^2/NDF:216859918381830560

Out: 0.003+/-0.000 χ^2/NDF:229185964231800893

All: 0.000+/-0.000 χ^2/NDF: 509621338269528