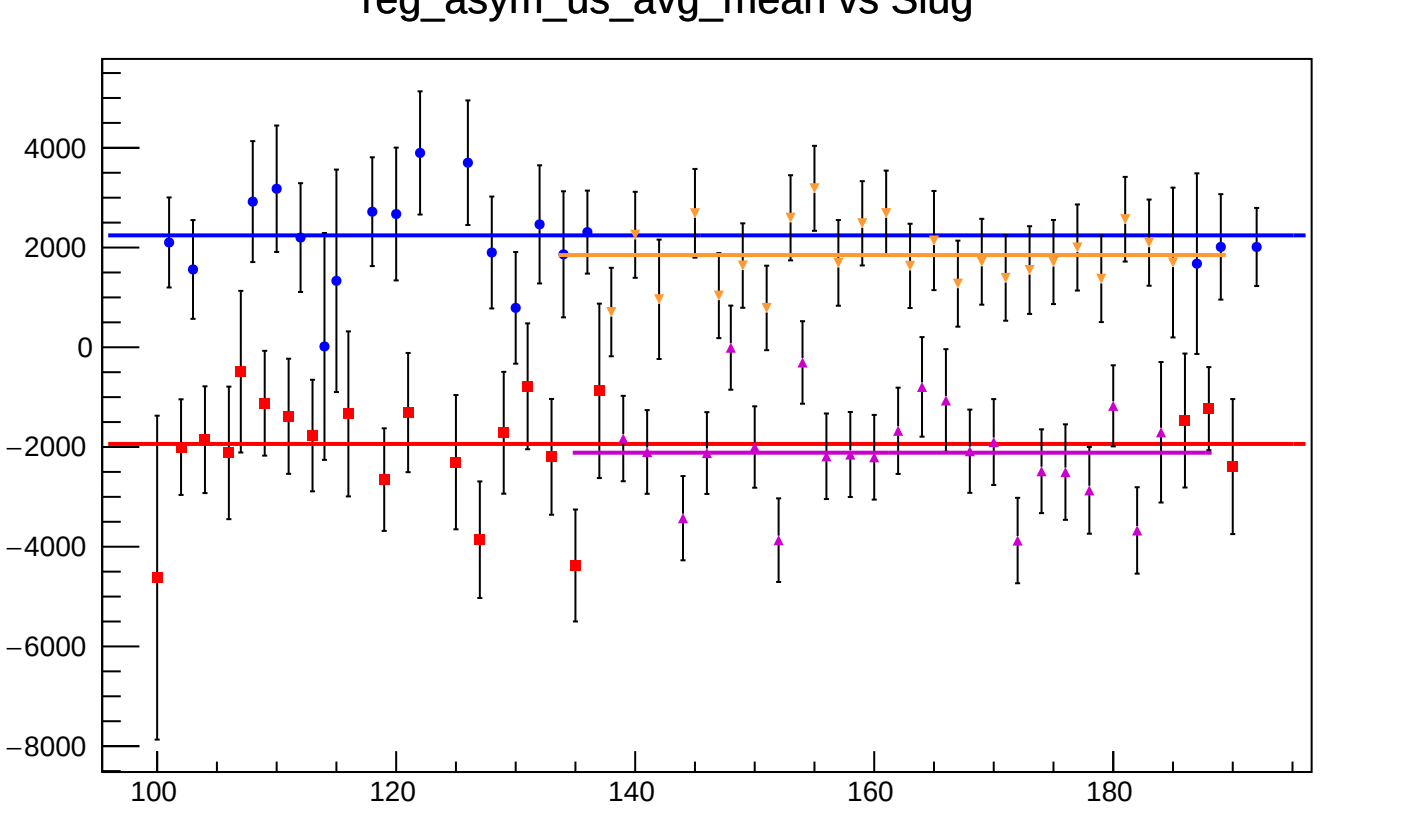


Right In: 2244.113+/-260.952 χ^2/NDF: 8.1/18

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

Right Out: -1938.855+/-263.089 χ^2/NDF: 13.0/20

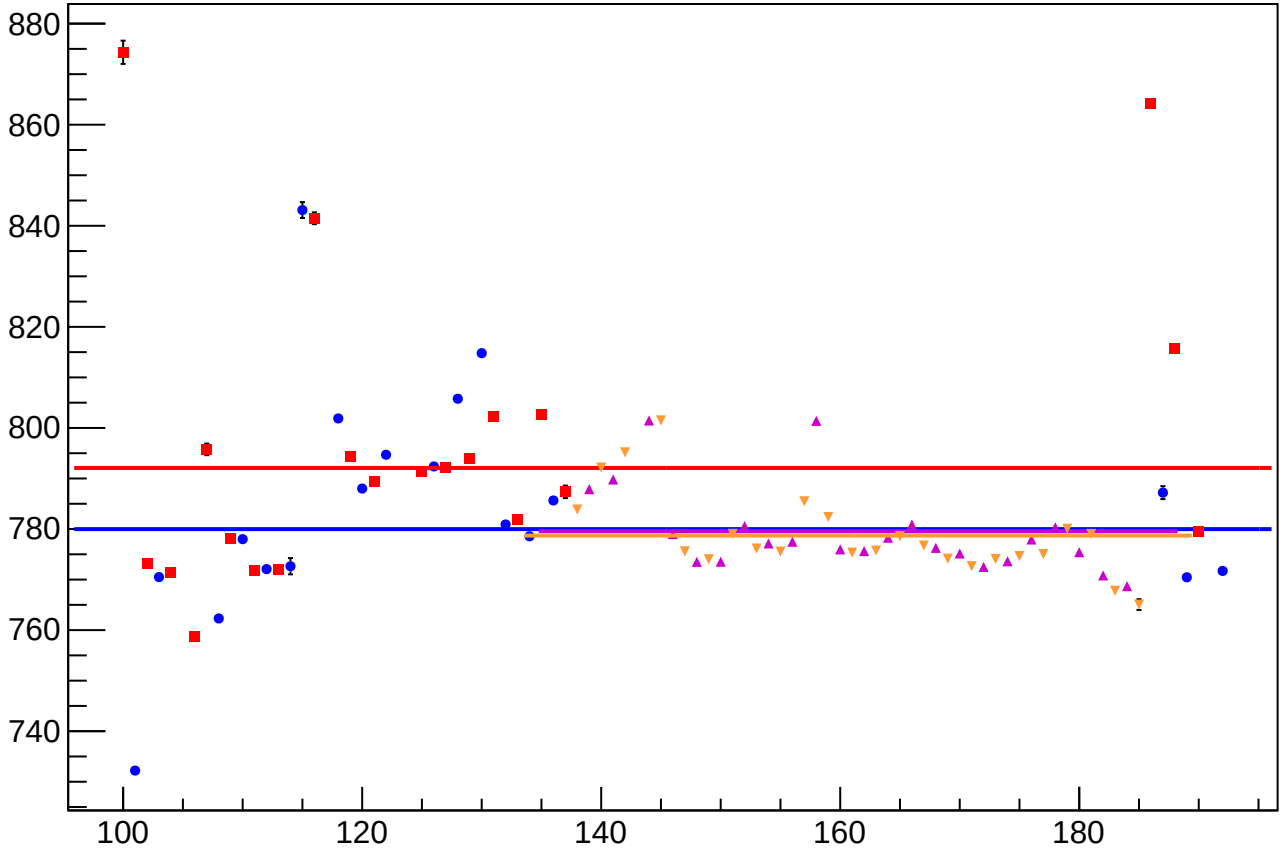
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1977.494+/-148.581 χ^2/NDF: 22.5/42

All: -25.032+/-105.453 χ^2/NDF: 432.9/86

- sign -2057.598+/-149.691 χ^2/NDF: 44.4/43

reg_asym_us_avg_rms vs Slug



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

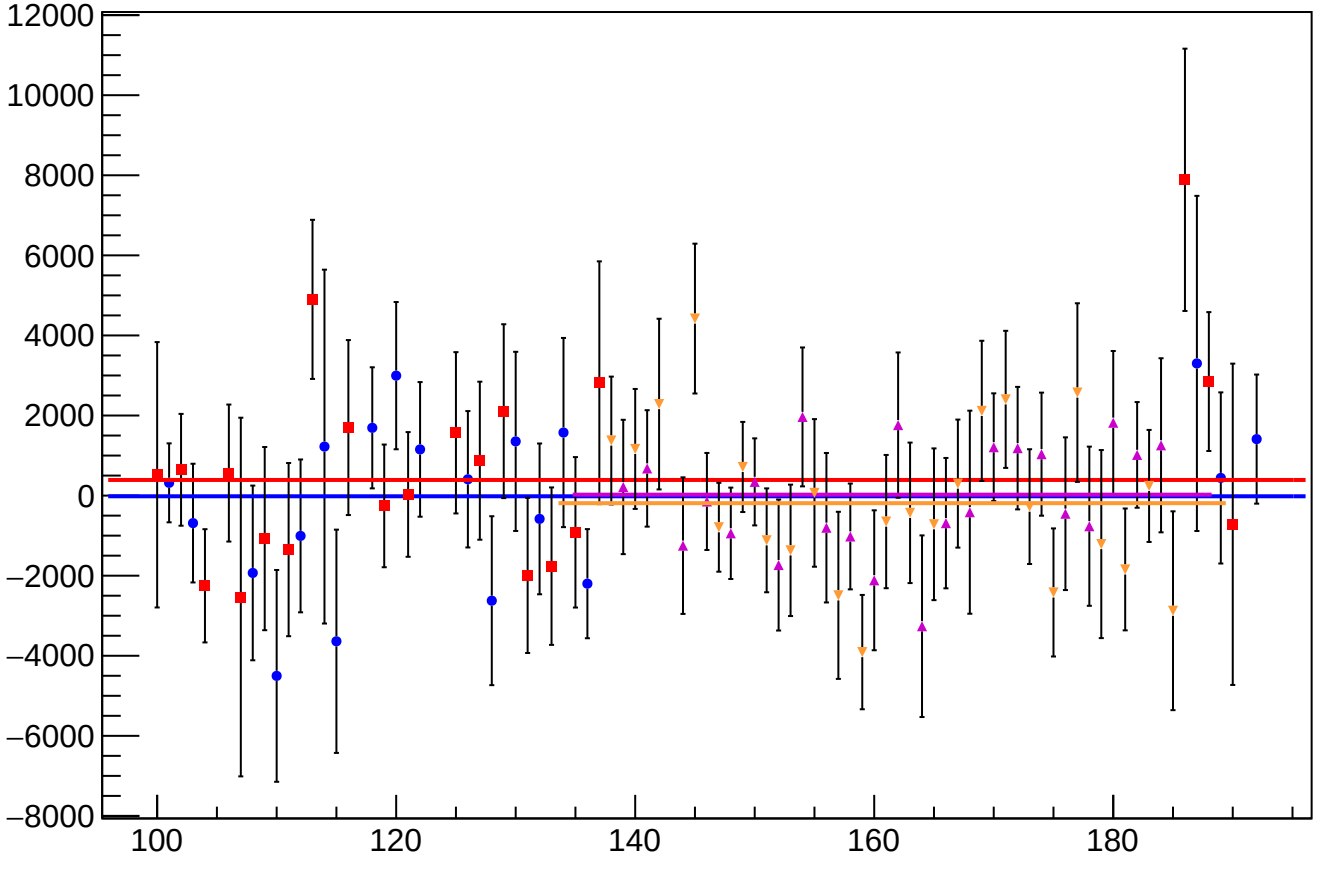
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.121+/-0.105 χ^2/NDF: 16224.7/42

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

- sign 783.625+/-0.106 χ^2/NDF: 22752.3/43

asym_us_avg_reg_correction_mean vs Slug



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

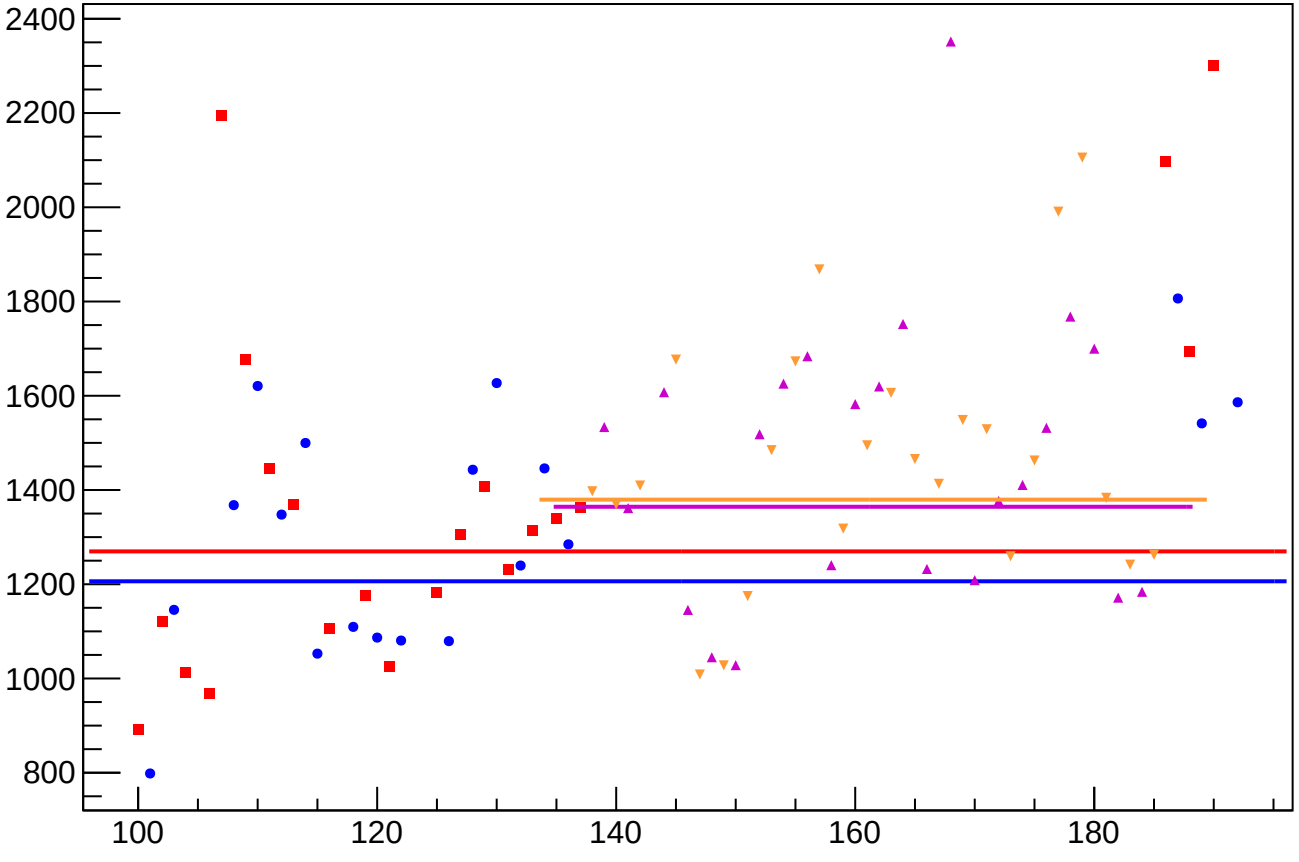
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -122.901+/-257.159 χ^2/NDF: 46.7/42

All: 14.873+/-182.989 χ^2/NDF: 84.1/86

- sign 156.188+/-260.443 χ^2/NDF: 36.9/43

asym_us_avg_reg_correction_rms vs Slug



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

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

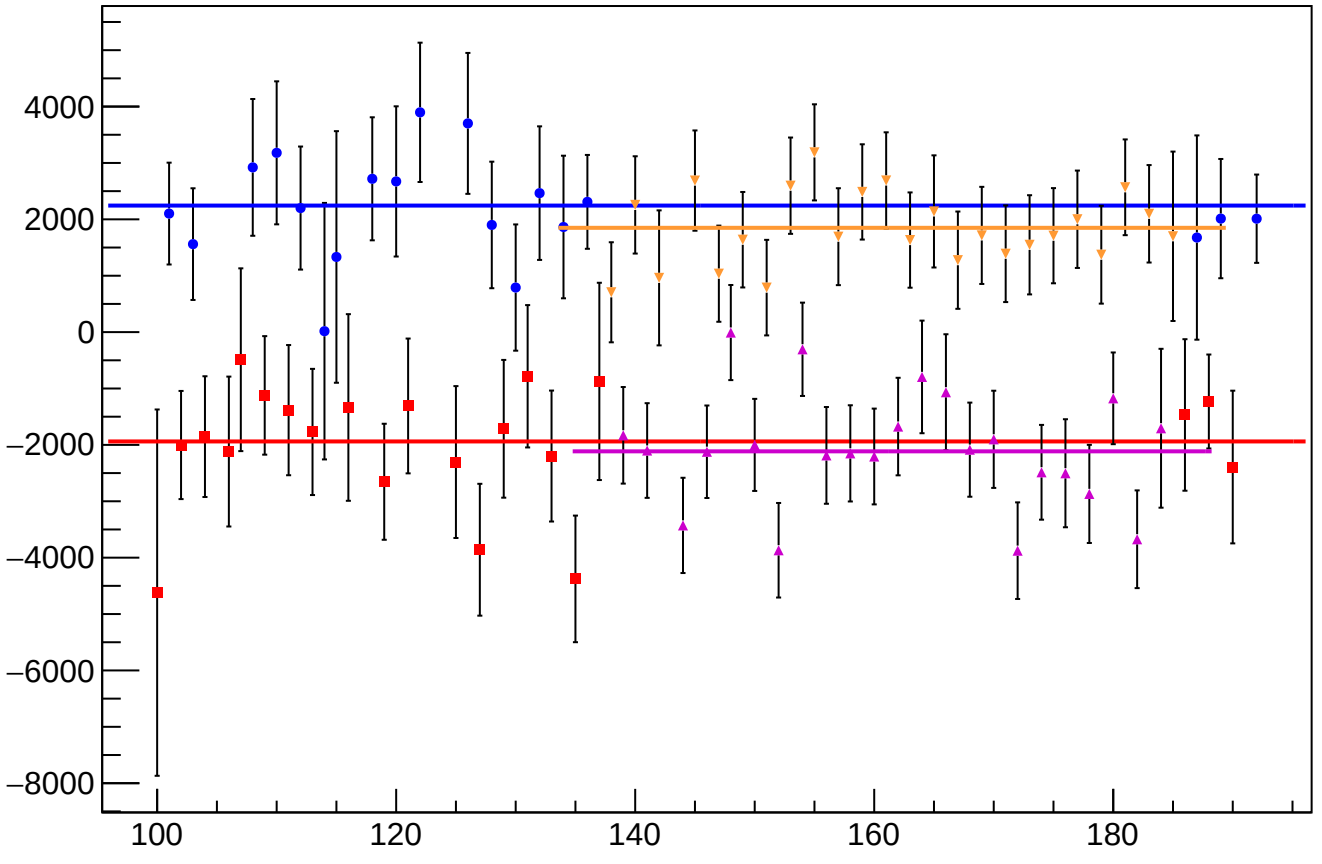
Right Out: 1269.710+/-0.307 χ^2/NDF: 810855.1/20

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

+ sign 1312.984+/-0.182 χ^2/NDF: 2168831.4/42

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

- sign 1330.224+/-0.184 χ^2/NDF: 2184154.3/43



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

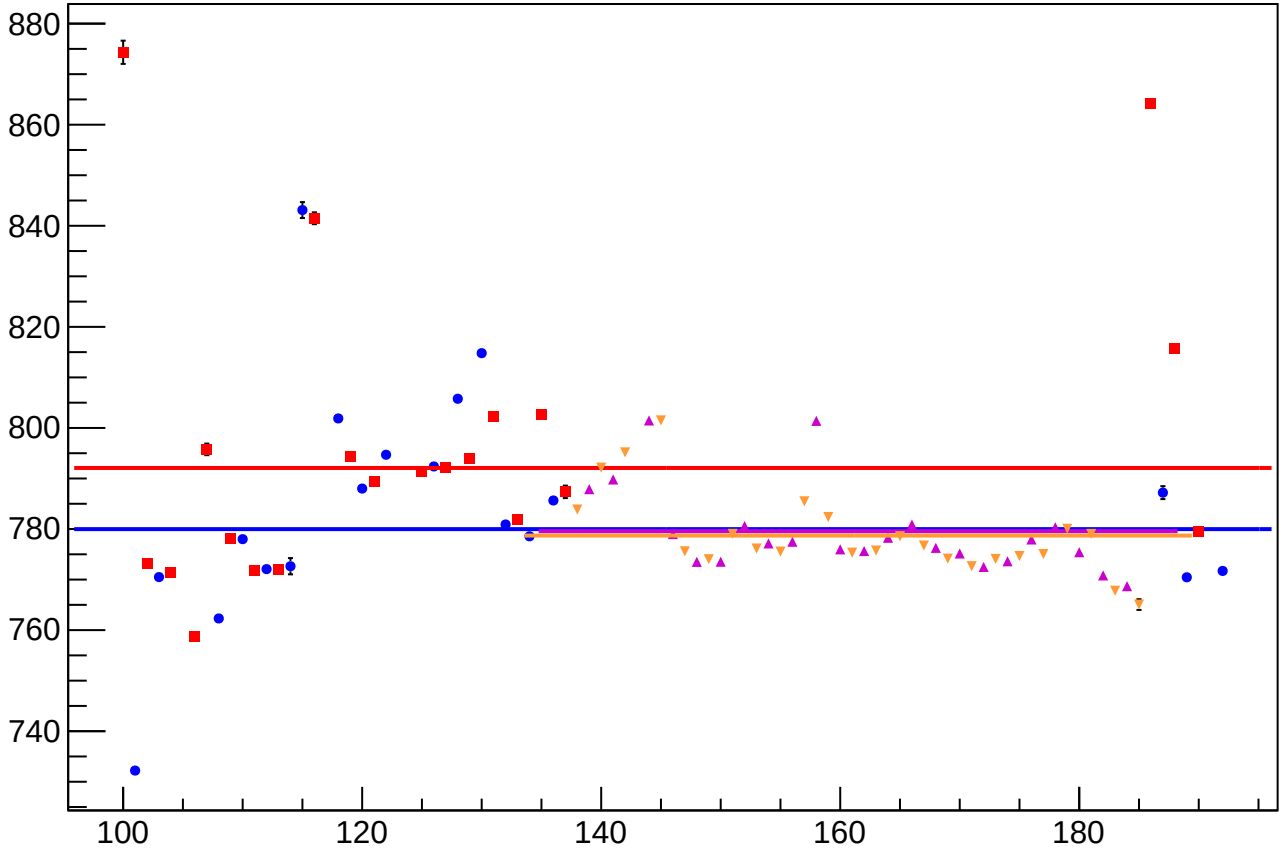
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1977.494+/-148.581 χ^2/NDF: 22.5/42

All: -25.032+/-105.453 χ^2/NDF: 432.9/86

- sign -2057.598+/-149.691 χ^2/NDF: 44.4/43

cor_asym_us_avg_rms vs Slug



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

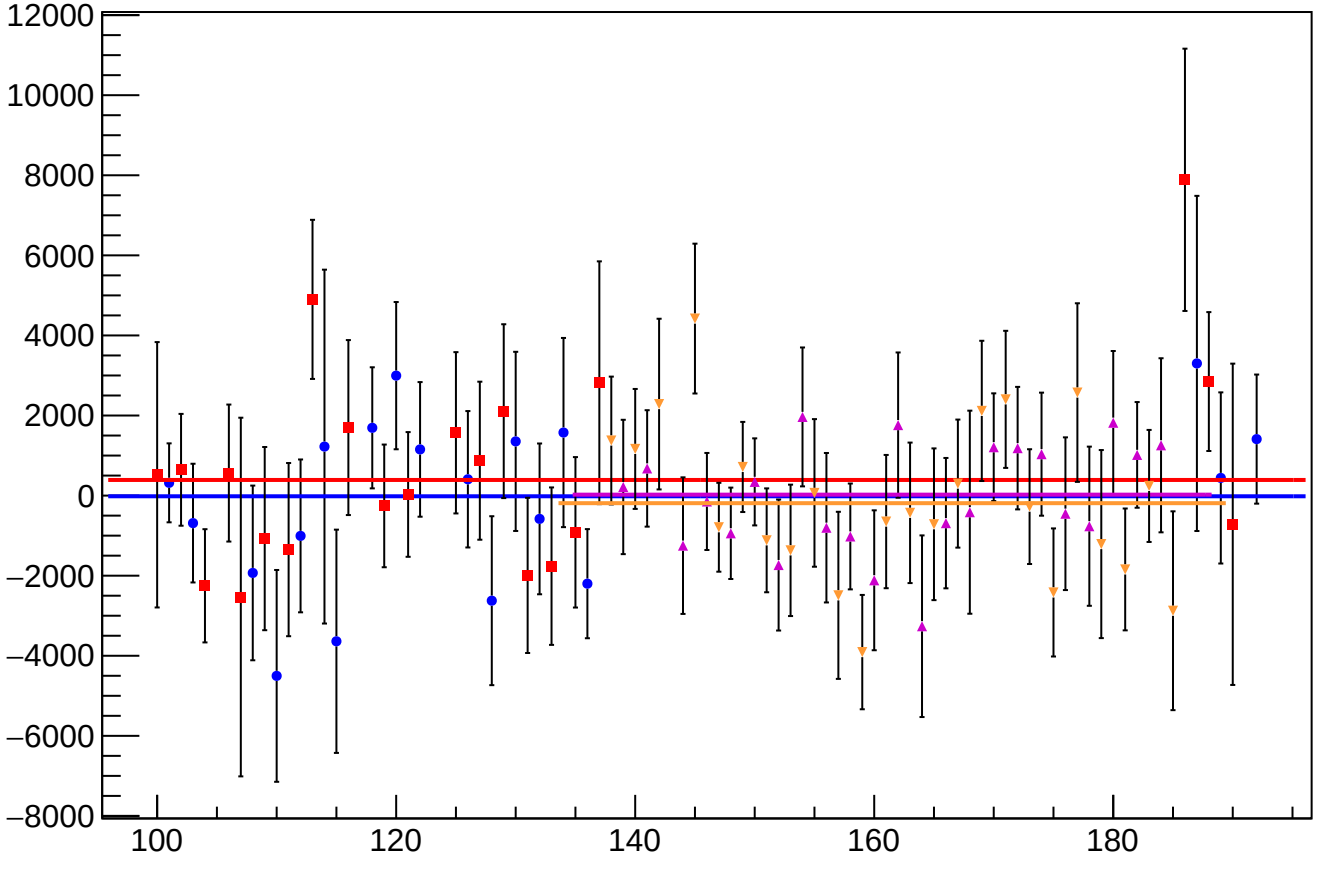
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.121+/-0.105 χ^2/NDF: 16224.7/42

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

- sign 783.625+/-0.106 χ^2/NDF: 22752.3/43

asym_us_avg_cor_correction_mean vs Slug



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

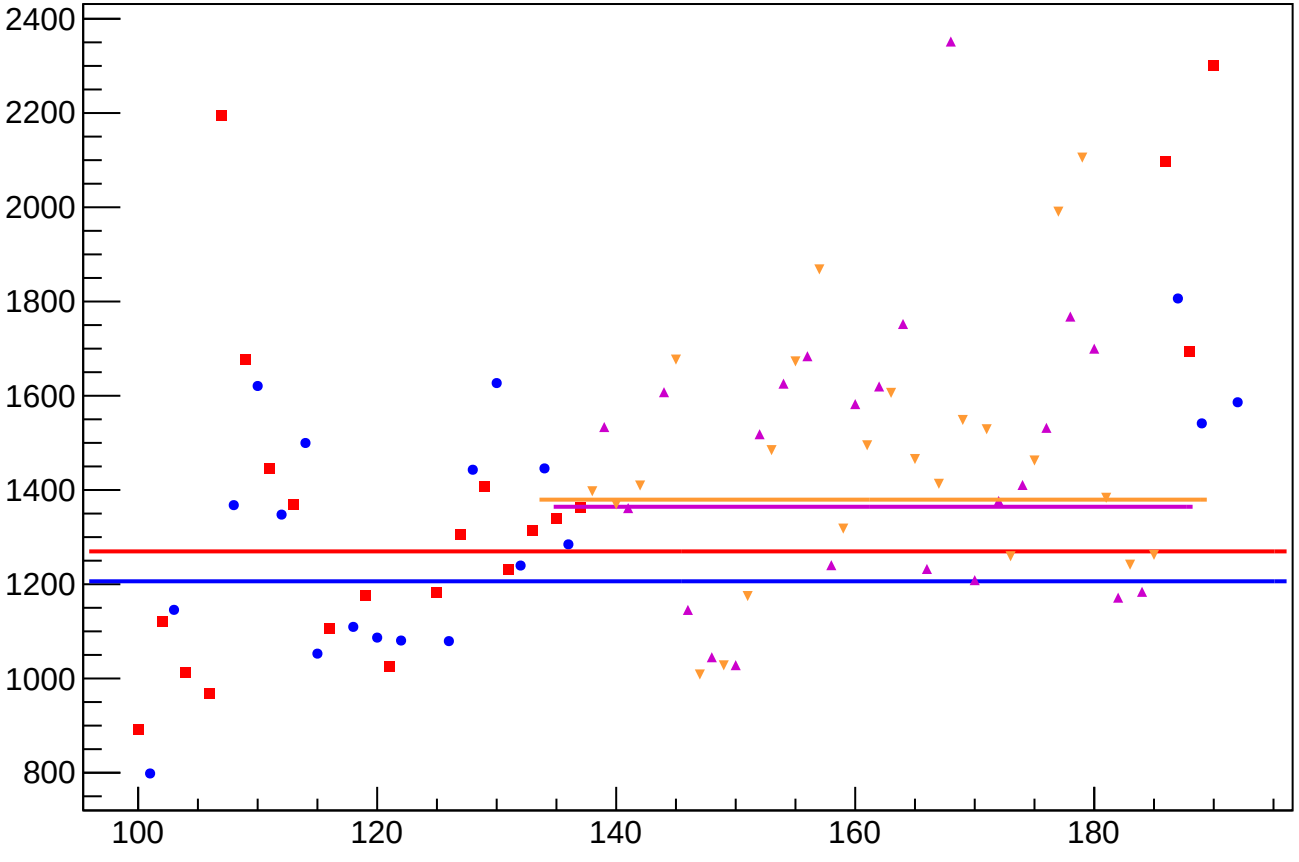
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -122.901+/-257.159 χ^2/NDF: 46.7/42

All: 14.873+/-182.989 χ^2/NDF: 84.1/86

\- sign 156.188+/-260.443 χ^2/NDF: 36.9/43

asym_us_avg_cor_correction_rms vs Slug



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

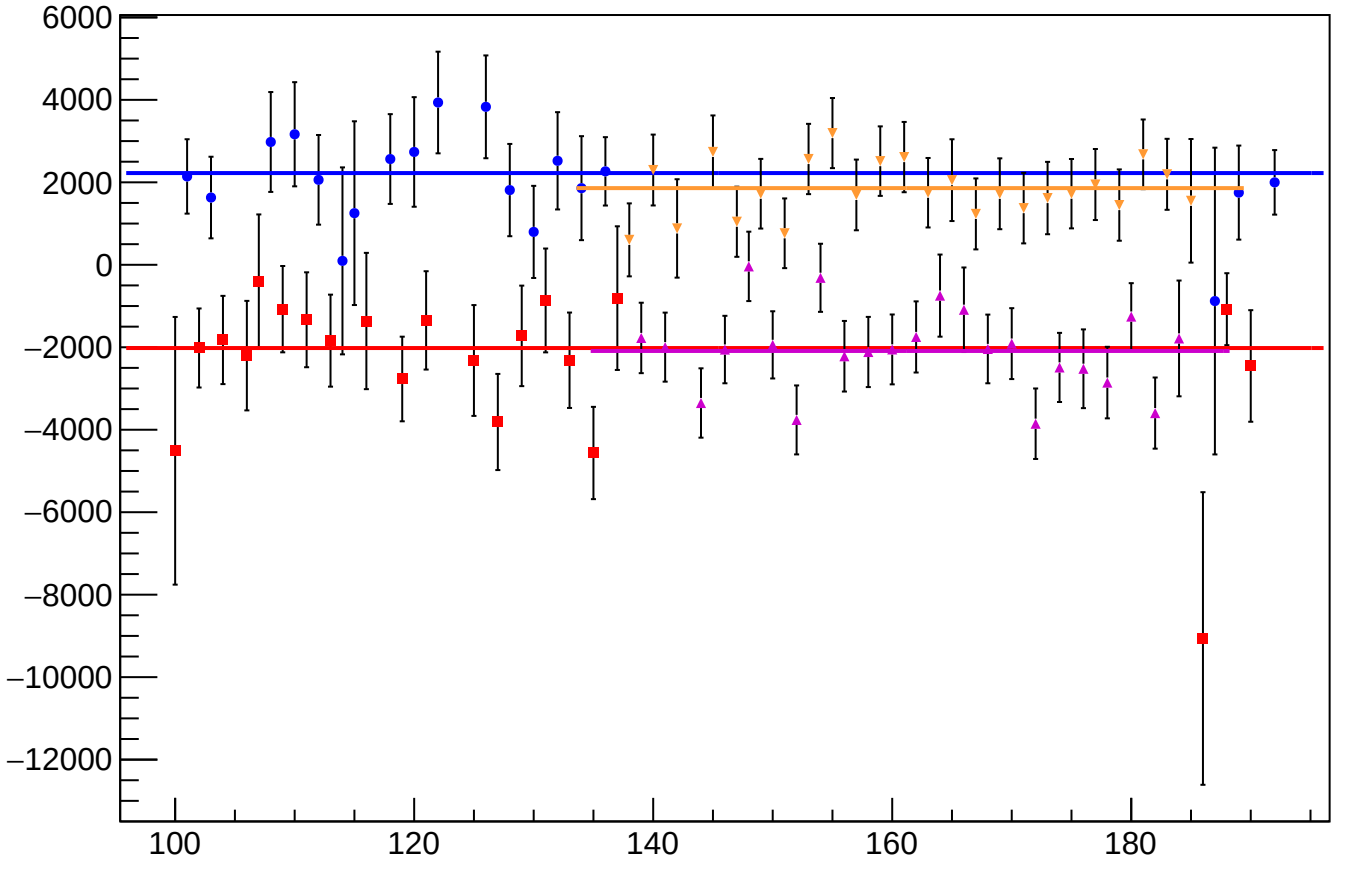
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1312.984+/-0.182 χ^2/NDF: 2168831.4/42

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

- sign 1330.224+/-0.184 χ^2/NDF: 2184154.3/43

overload_cor_asym_us_avg_mean vs Slug



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

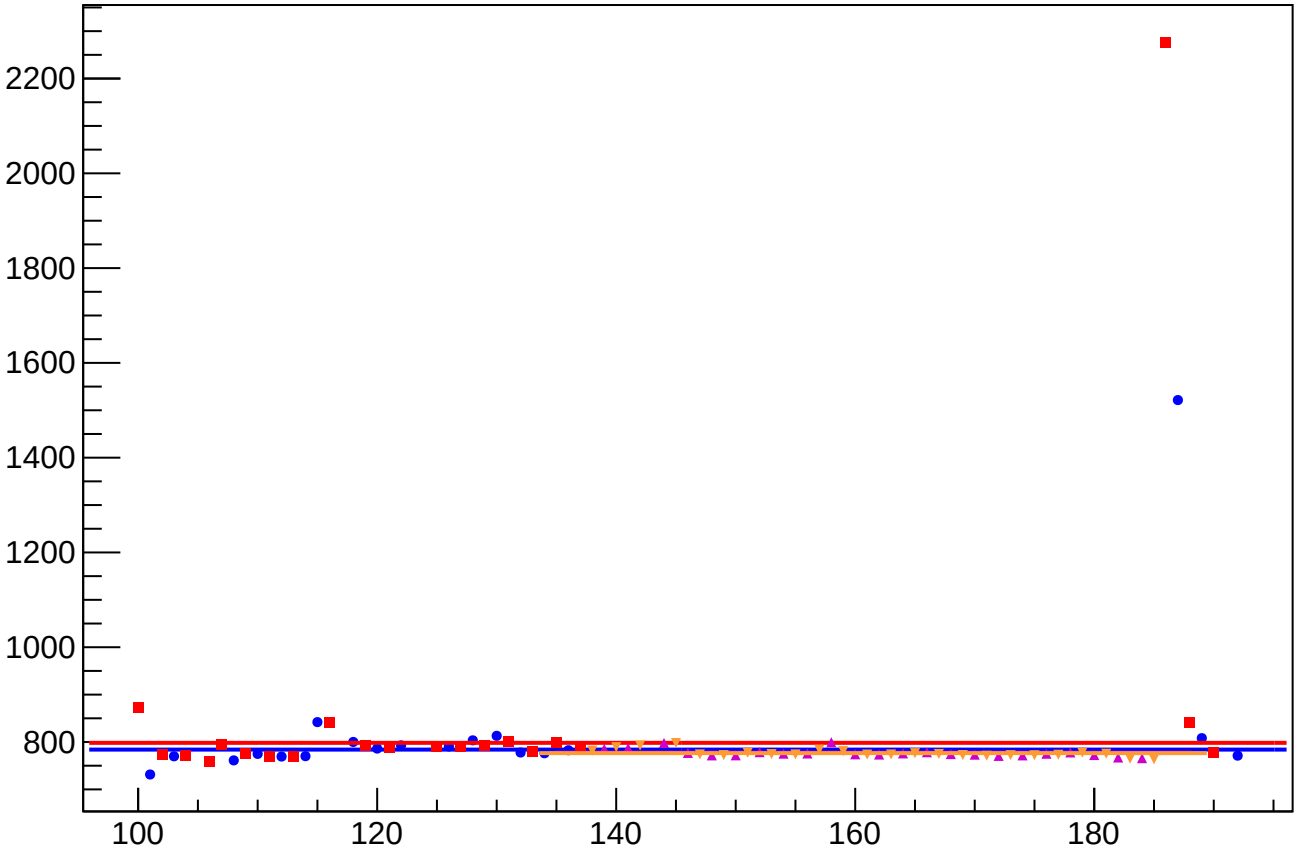
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 1975.800+/-148.783 χ^2/NDF: 23.9/42

All: -24.926+/-105.746 χ^2/NDF: 437.1/86

- sign -2067.275+/-150.323 χ^2/NDF: 47.8/43

overload_cor_asym_us_avg_rms vs Slug



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

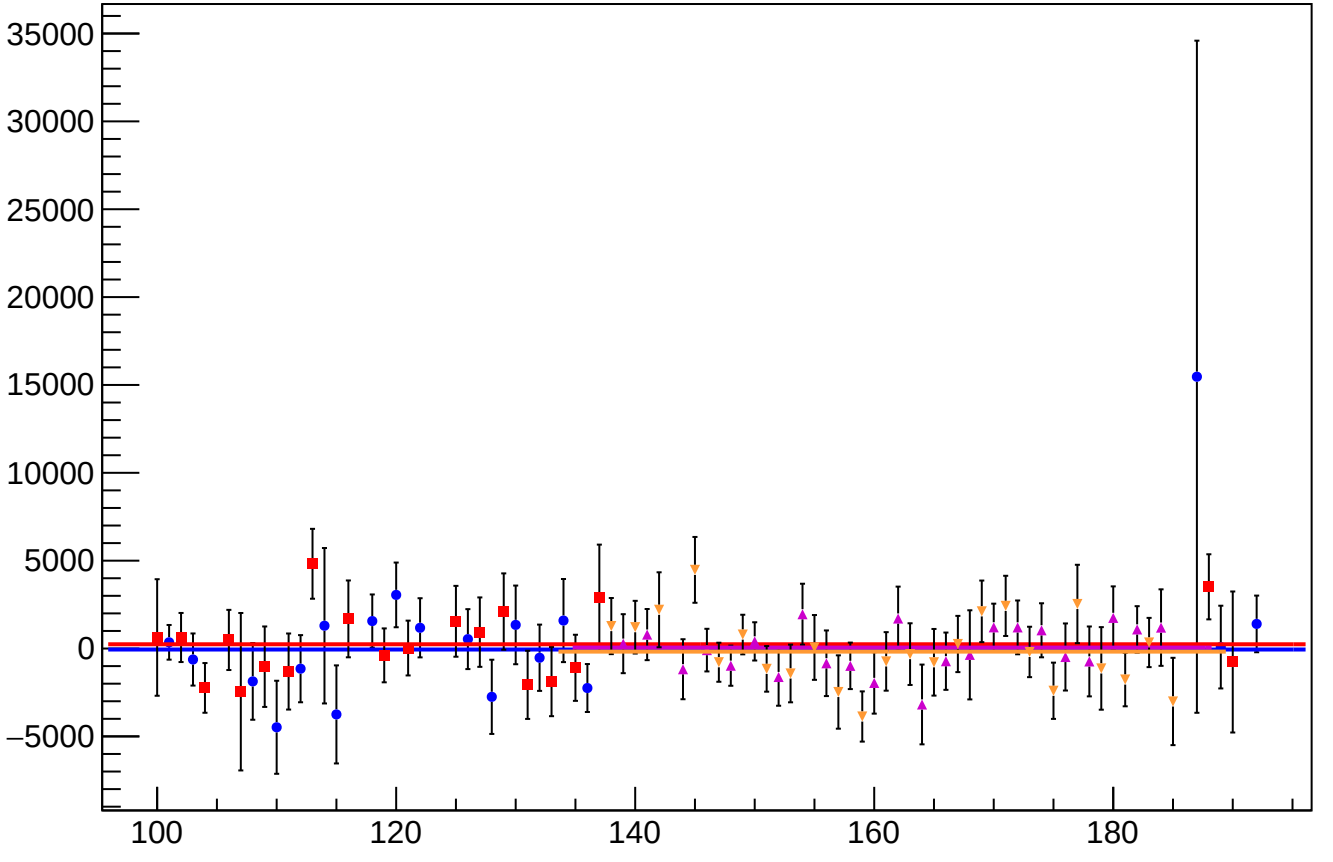
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

+ sign 778.900+/-0.105 χ^2/NDF: 96790.0/42

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

- sign 783.963+/-0.106 χ^2/NDF: 376093.6/43

asym_us_avg_overload_cor_correction_mean vs Slug



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

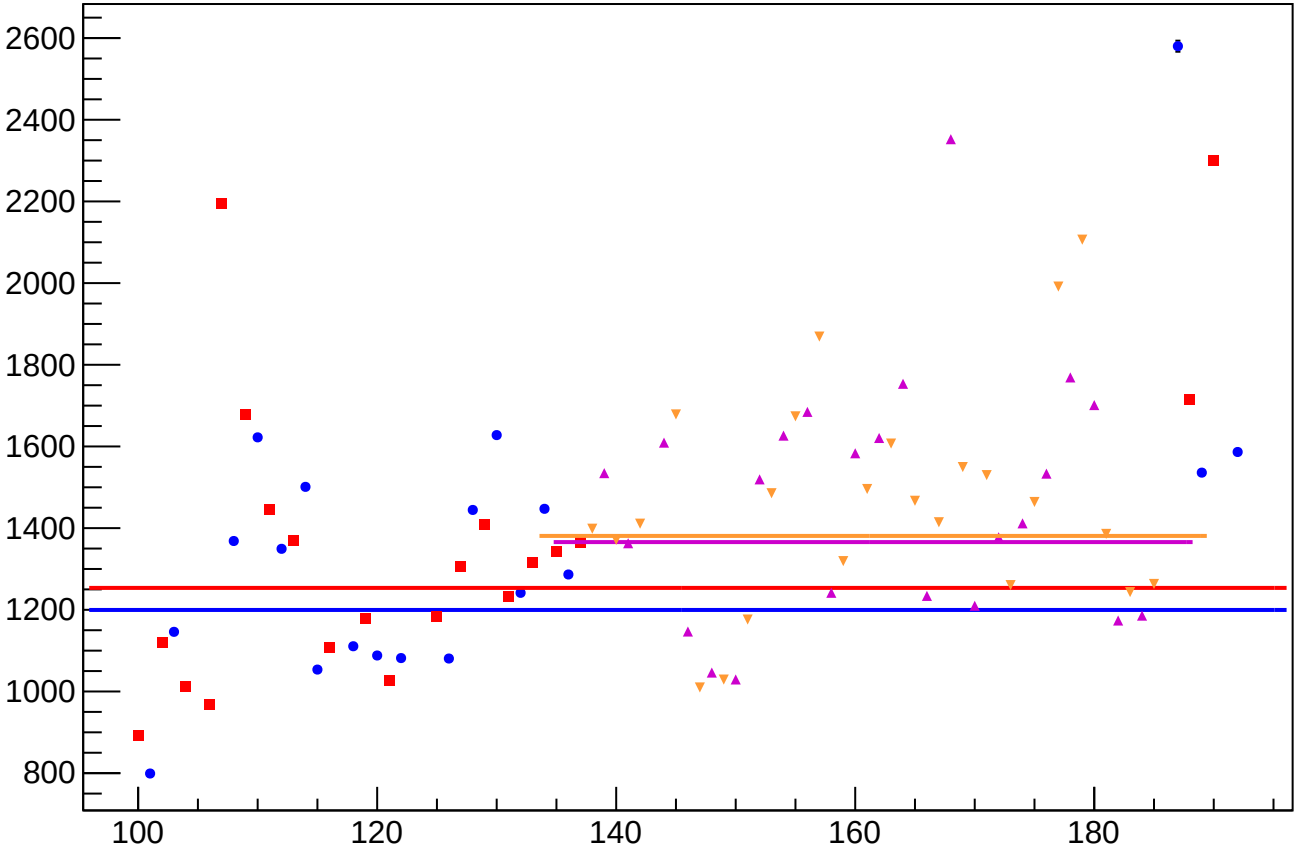
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

+ sign -129.789+/-258.197 χ^2/NDF: 46.9/42

All: -6.566+/-183.860 χ^2/NDF: 79.1/85

- sign 120.195+/-261.877 χ^2/NDF: 31.7/42

asym_us_avg_overload_cor_correction_rms vs Slug



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

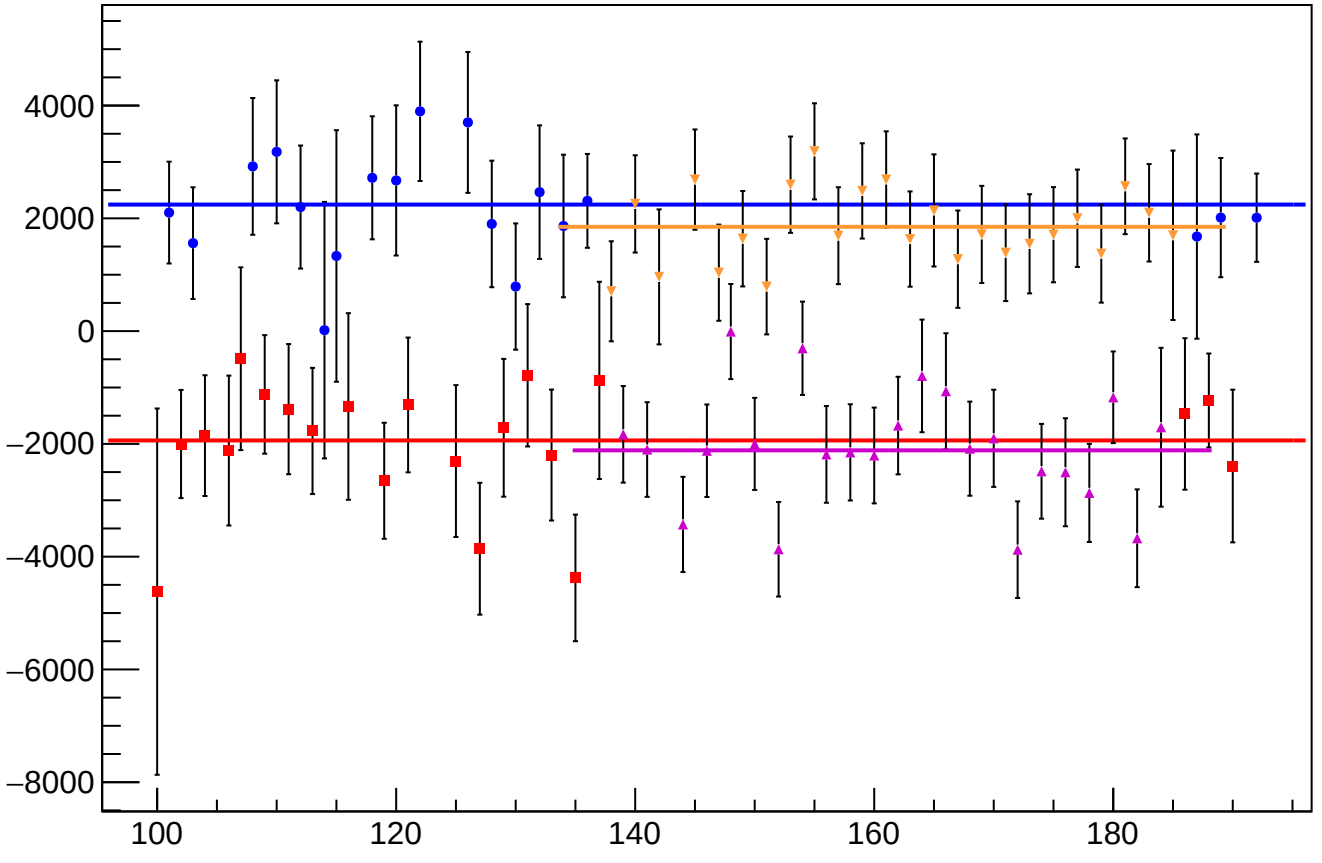
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

+ sign 1312.000+/-0.183 χ^2/NDF: 2141033.9/42

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

- sign 1325.972+/-0.185 χ^2/NDF: 2067306.7/42

eigen_cor_asym_us_avg_mean vs Slug



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

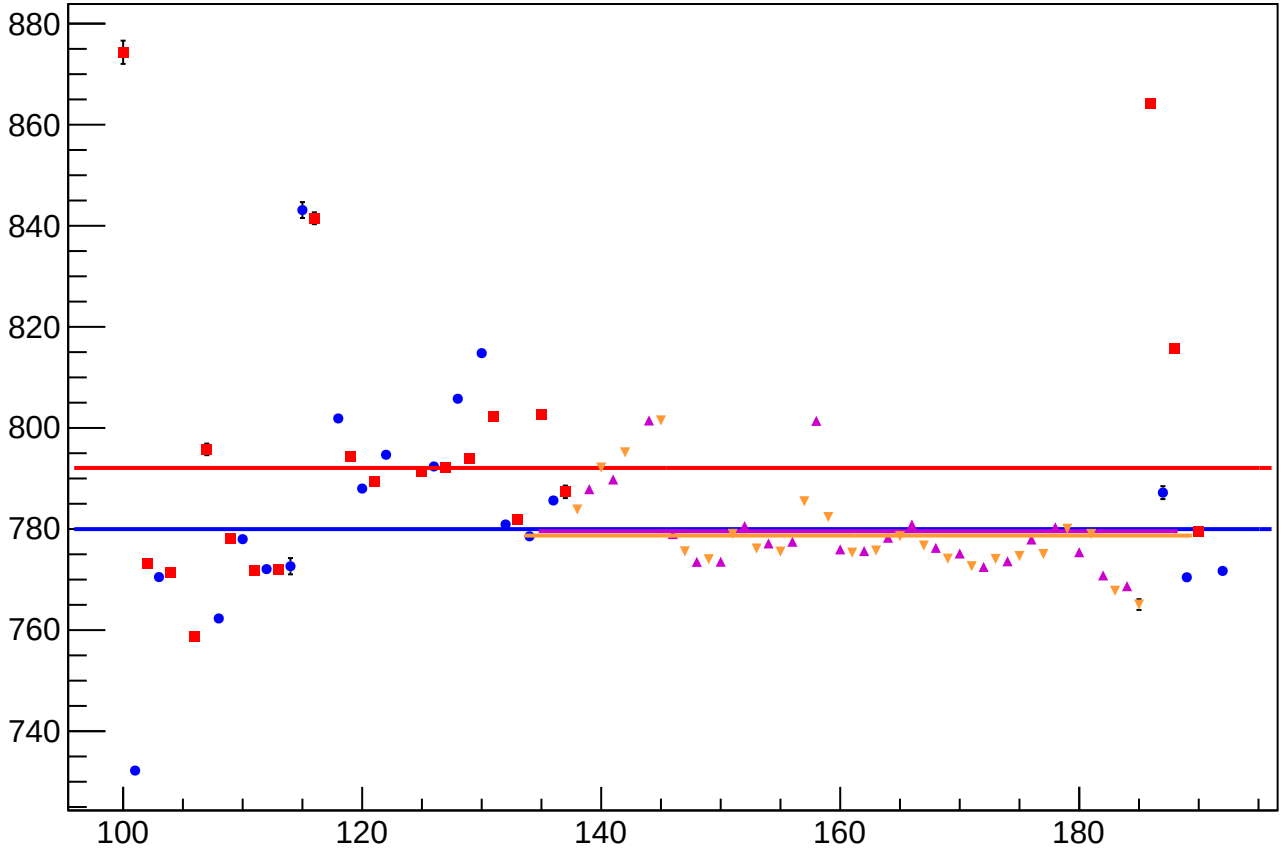
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1977.494+/-148.581 χ^2/NDF: 22.5/42

All: -25.032+/-105.453 χ^2/NDF: 432.9/86

- sign -2057.598+/-149.691 χ^2/NDF: 44.4/43

eigen_cor_asym_us_avg_rms vs Slug



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

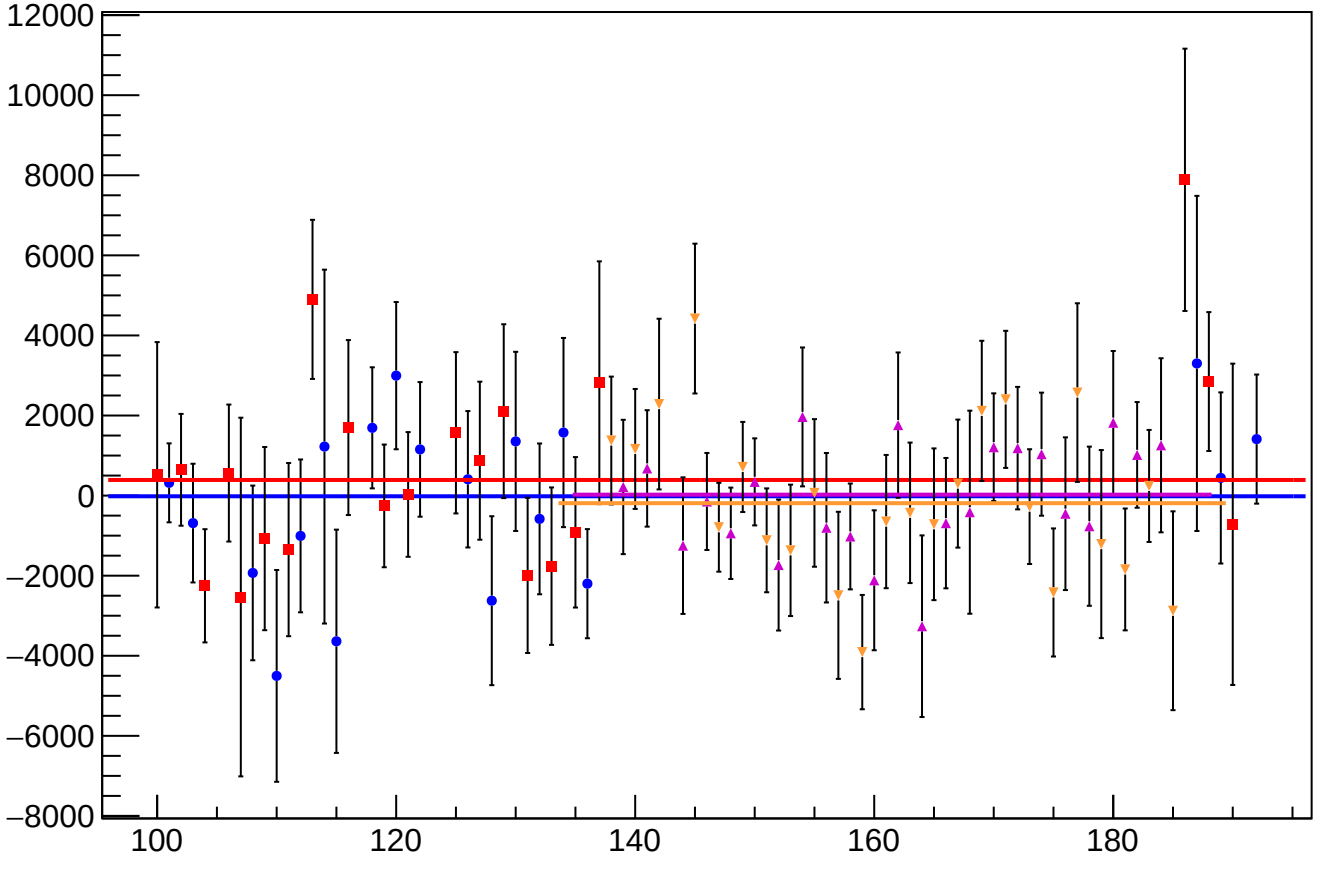
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.121+/-0.105 χ^2/NDF: 16224.7/42

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

- sign 783.625+/-0.106 χ^2/NDF: 22752.3/43

asym_us_avg_eigen_cor_correction_mean vs Slug



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

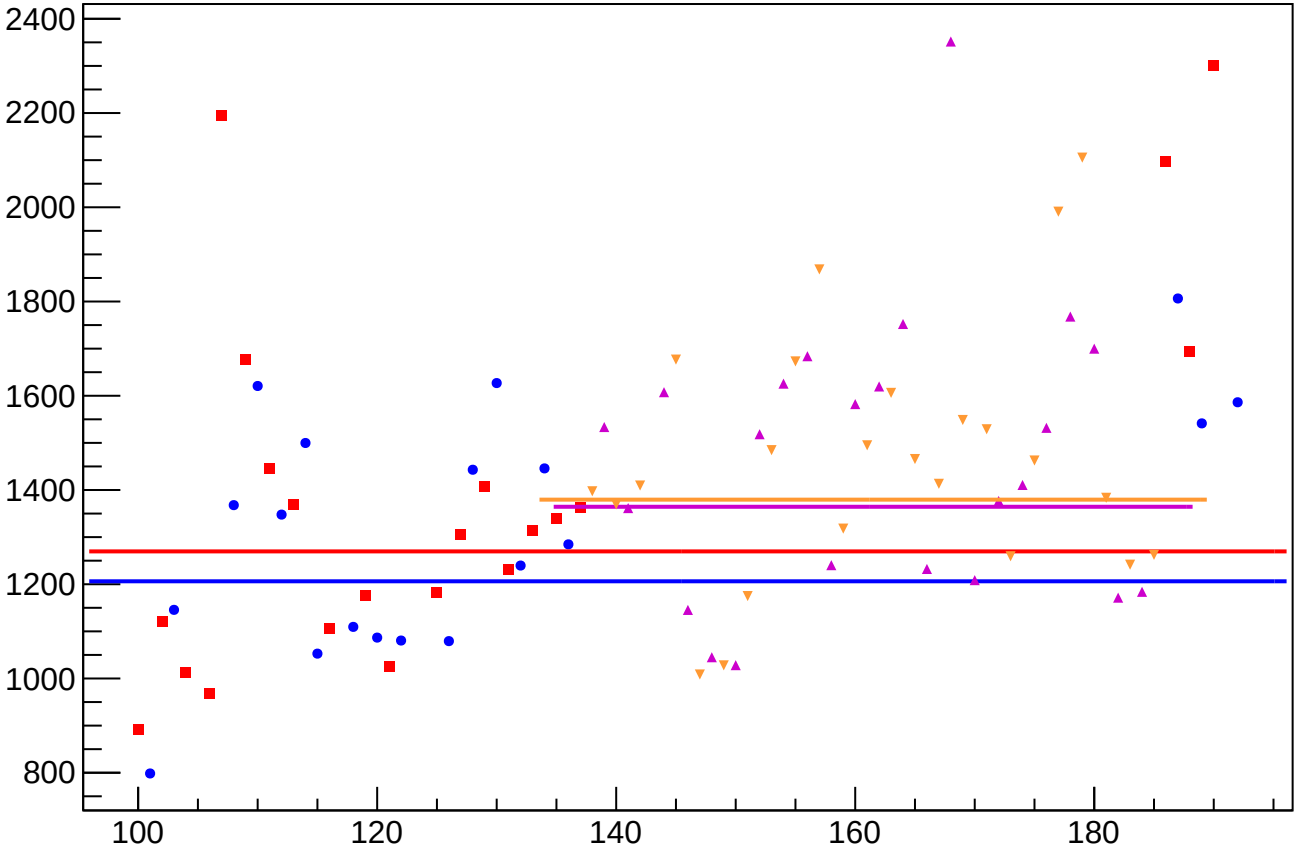
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -122.901+/-257.159 χ^2/NDF: 46.7/42

All: 14.873+/-182.989 χ^2/NDF: 84.1/86

- sign 156.188+/-260.443 χ^2/NDF: 36.9/43

asym_us_avg_eigen_cor_correction_rms vs Slug



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

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

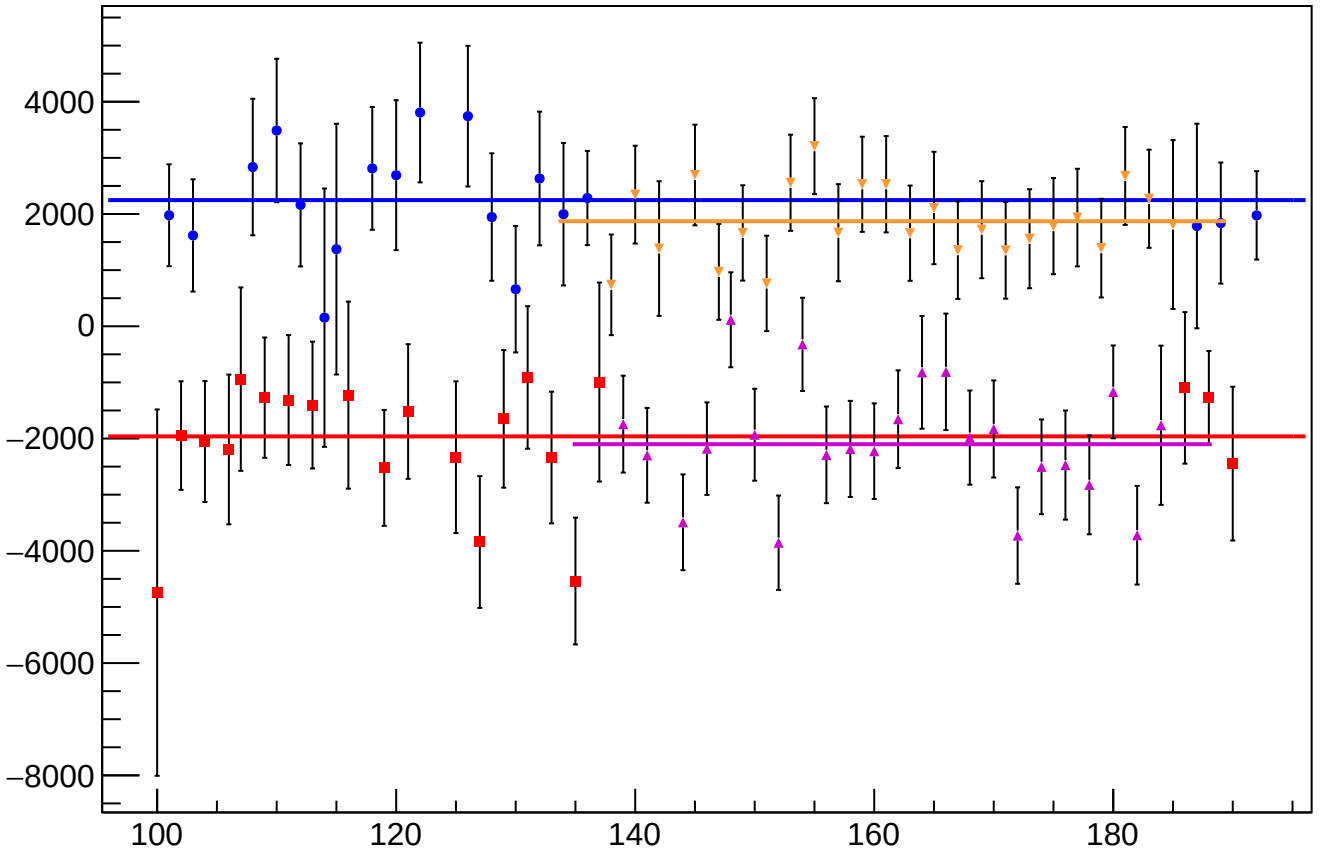
Right Out: 1269.710+/-0.307 χ^2/NDF: 810855.1/20

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

+ sign 1312.984+/-0.182 χ^2/NDF: 2168831.4/42

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

- sign 1330.224+/-0.184 χ^2/NDF: 2184154.3/43



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

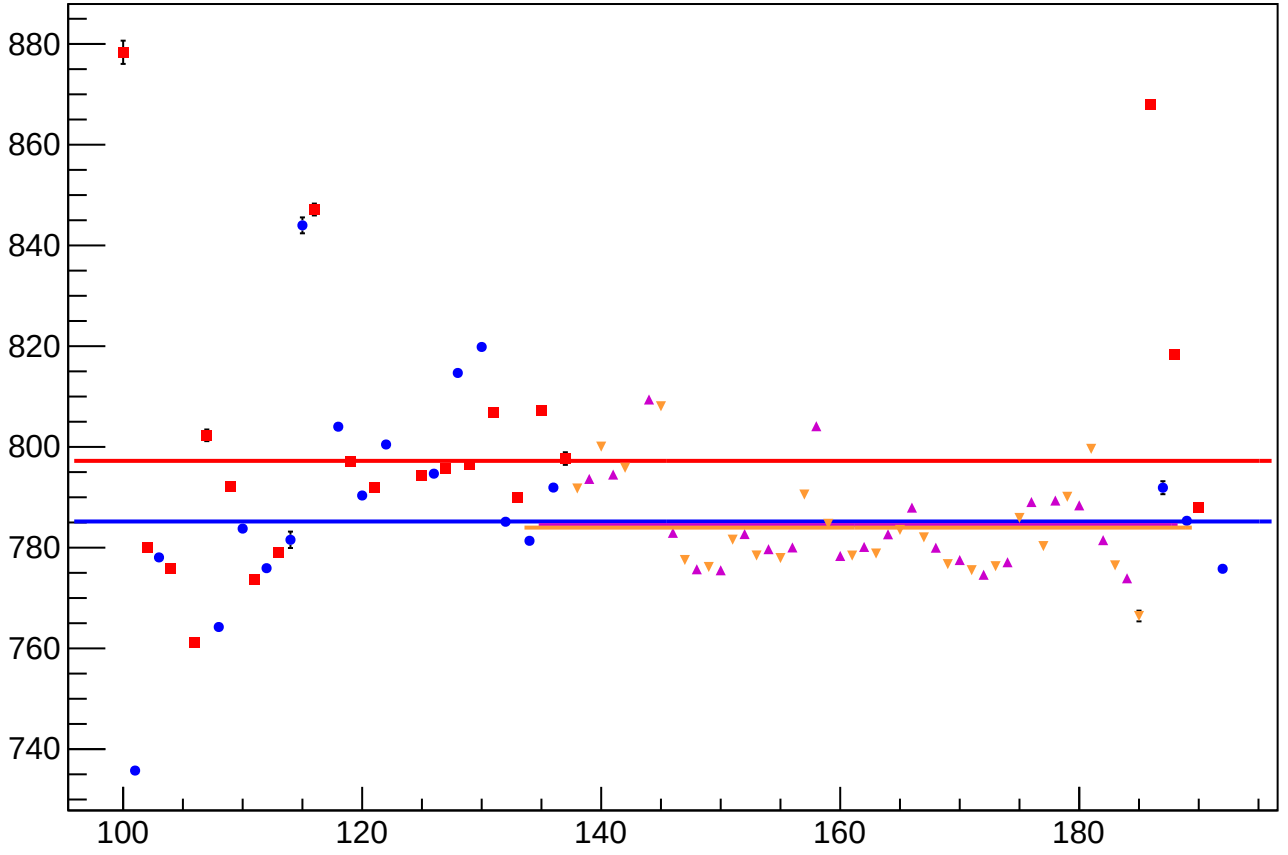
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 1993.260+/-149.593 χ^2/NDF: 22.4/42

All: -17.113+/-106.150 χ^2/NDF: 431.1/86

- sign -2056.015+/-150.651 χ^2/NDF: 44.9/43

dit_asym_us_avg_rms vs Slug



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

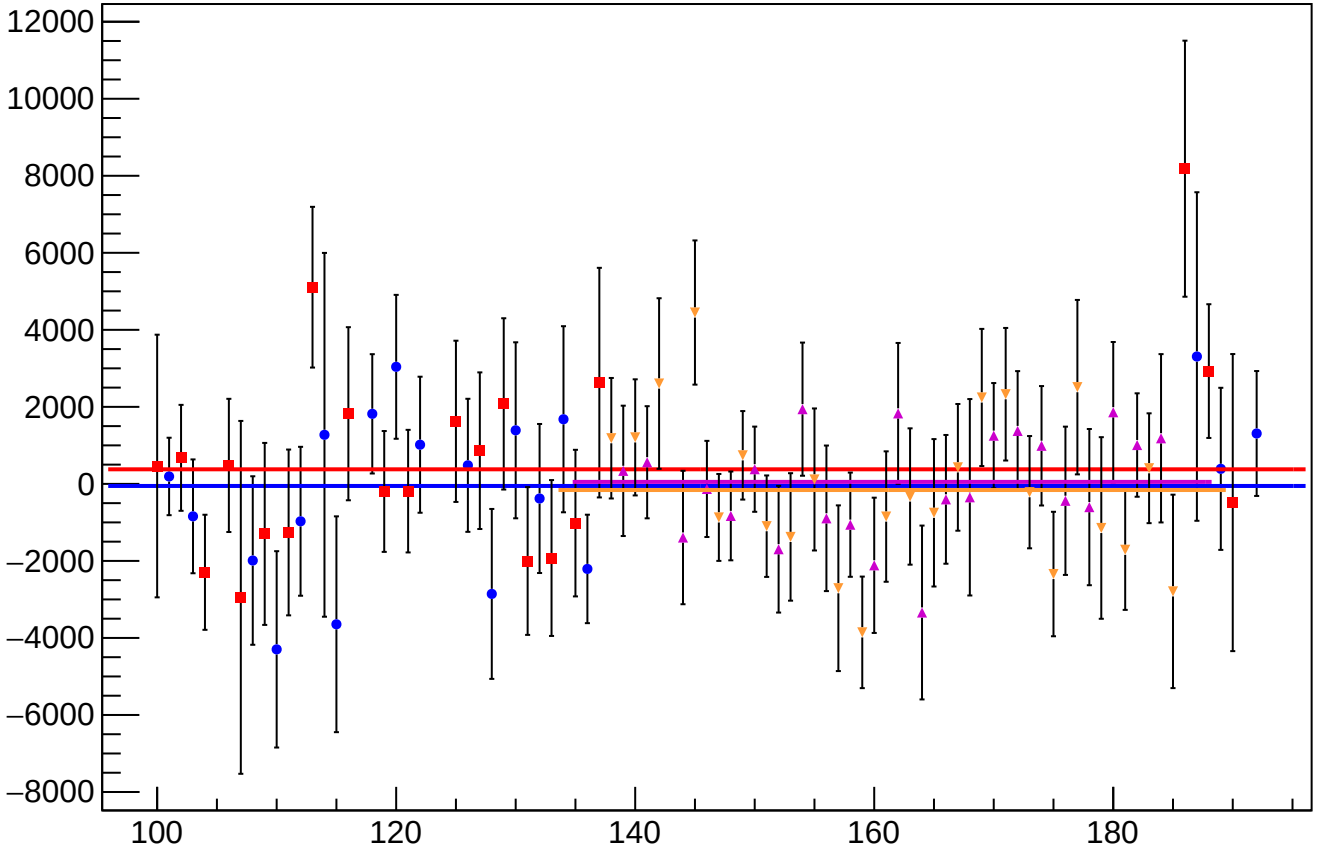
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.376+/-0.106 χ^2/NDF: 17868.9/42

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

- sign 788.601+/-0.107 χ^2/NDF: 22667.2/43

asym_us_avg_dit_correction_mean vs Slug



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

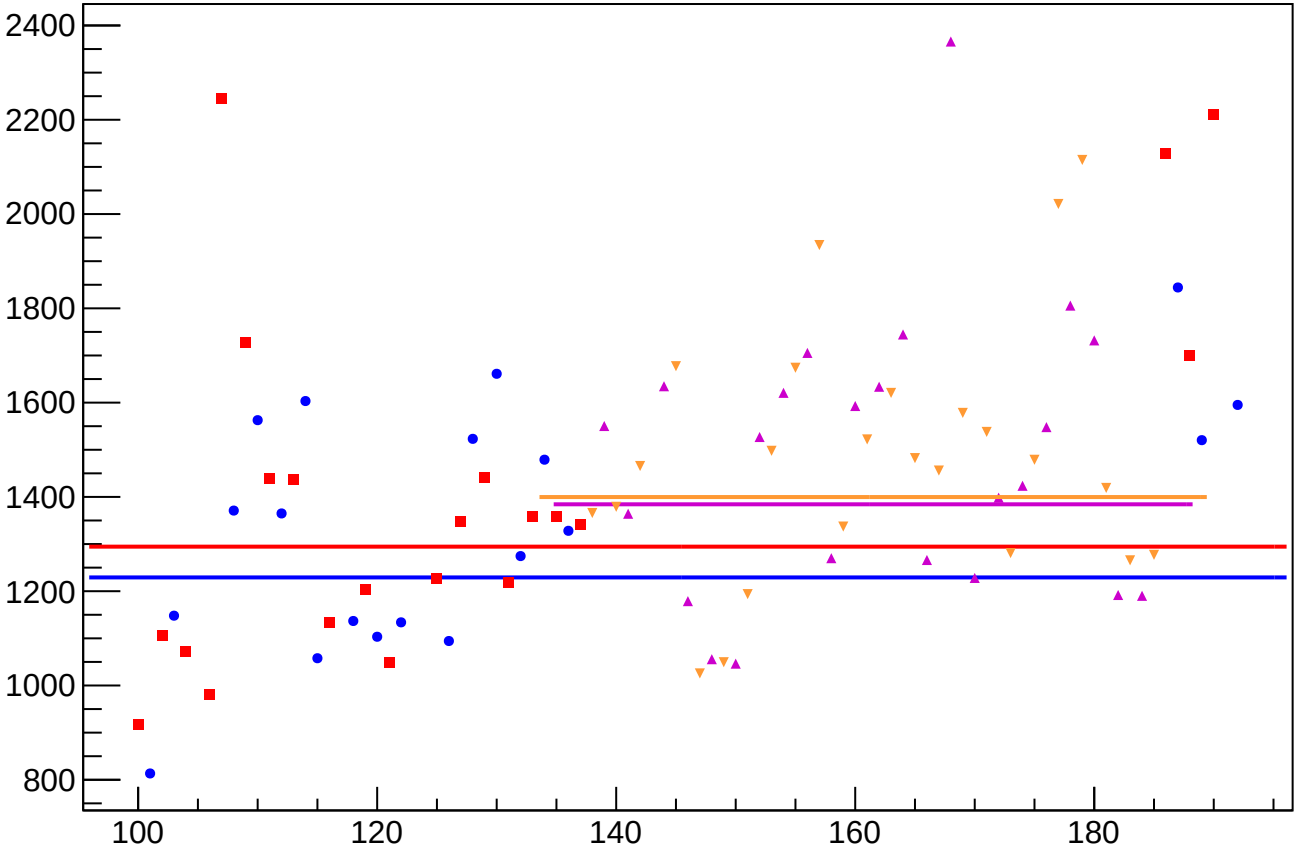
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -118.971+/-261.073 χ^2/NDF: 45.9/42

All: 23.282+/-185.767 χ^2/NDF: 83.6/86

- sign 169.170+/-264.388 χ^2/NDF: 37.1/43

asym_us_avg_dit_correction_rms vs Slug



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

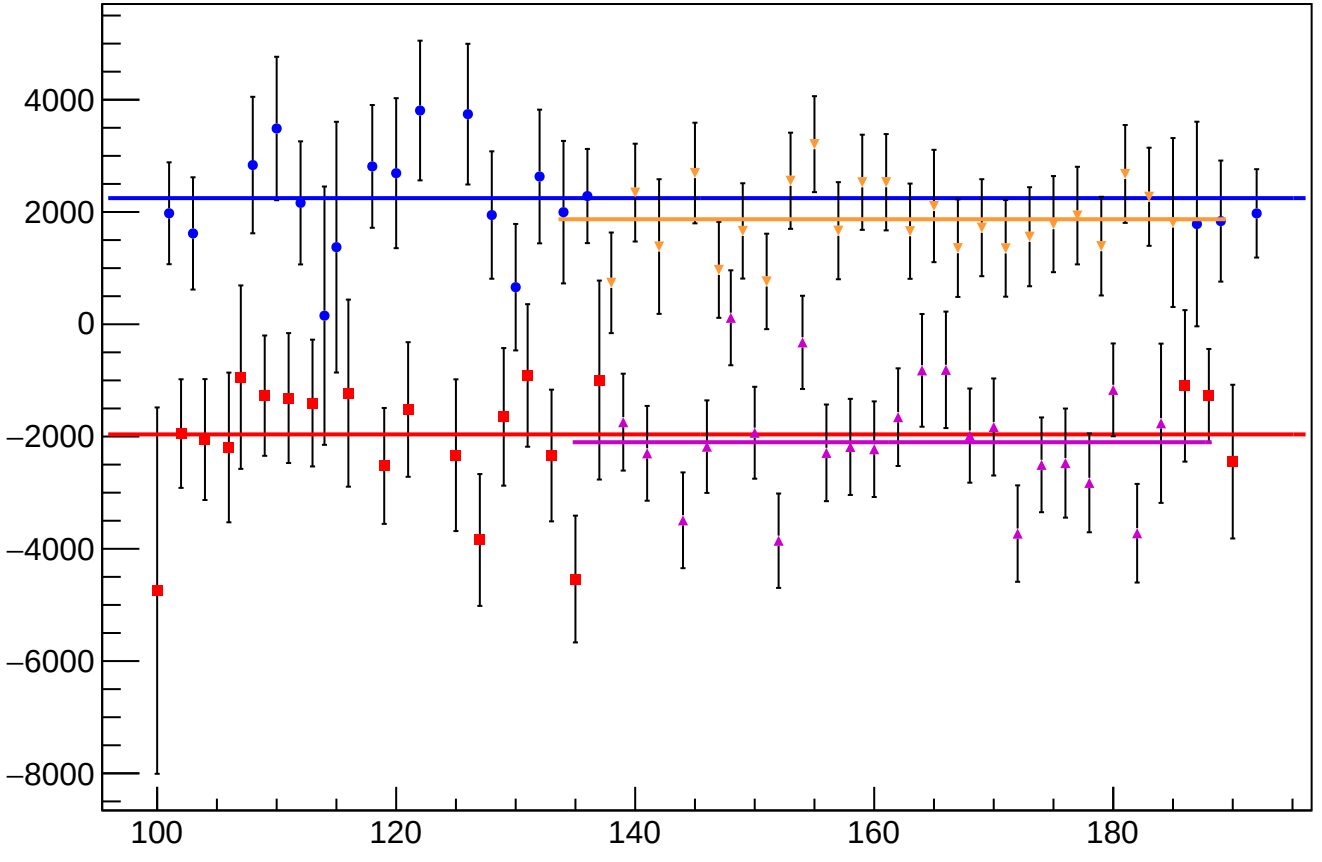
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1334.535+/-0.185 χ^2/NDF: 2113589.5/42

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

- sign 1352.096+/-0.187 χ^2/NDF: 2099064.8/43

eigen_dit_asym_us_avg_mean vs Slug



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

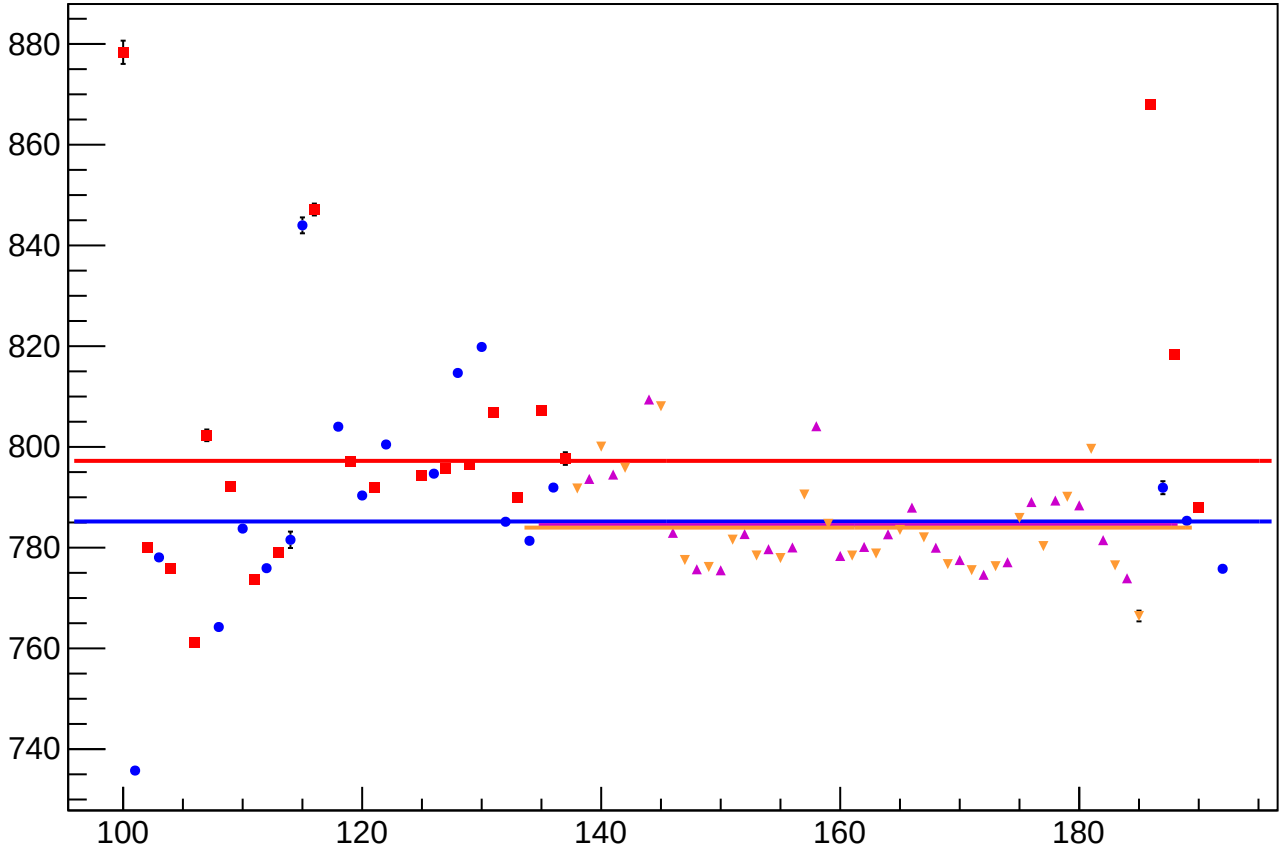
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 1993.258+/-149.593 χ^2/NDF: 22.4/42

All: -17.114+/-106.150 χ^2/NDF: 431.1/86

- sign -2056.014+/-150.651 χ^2/NDF: 44.9/43

eigen_dit_asym_us_avg_rms vs Slug



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

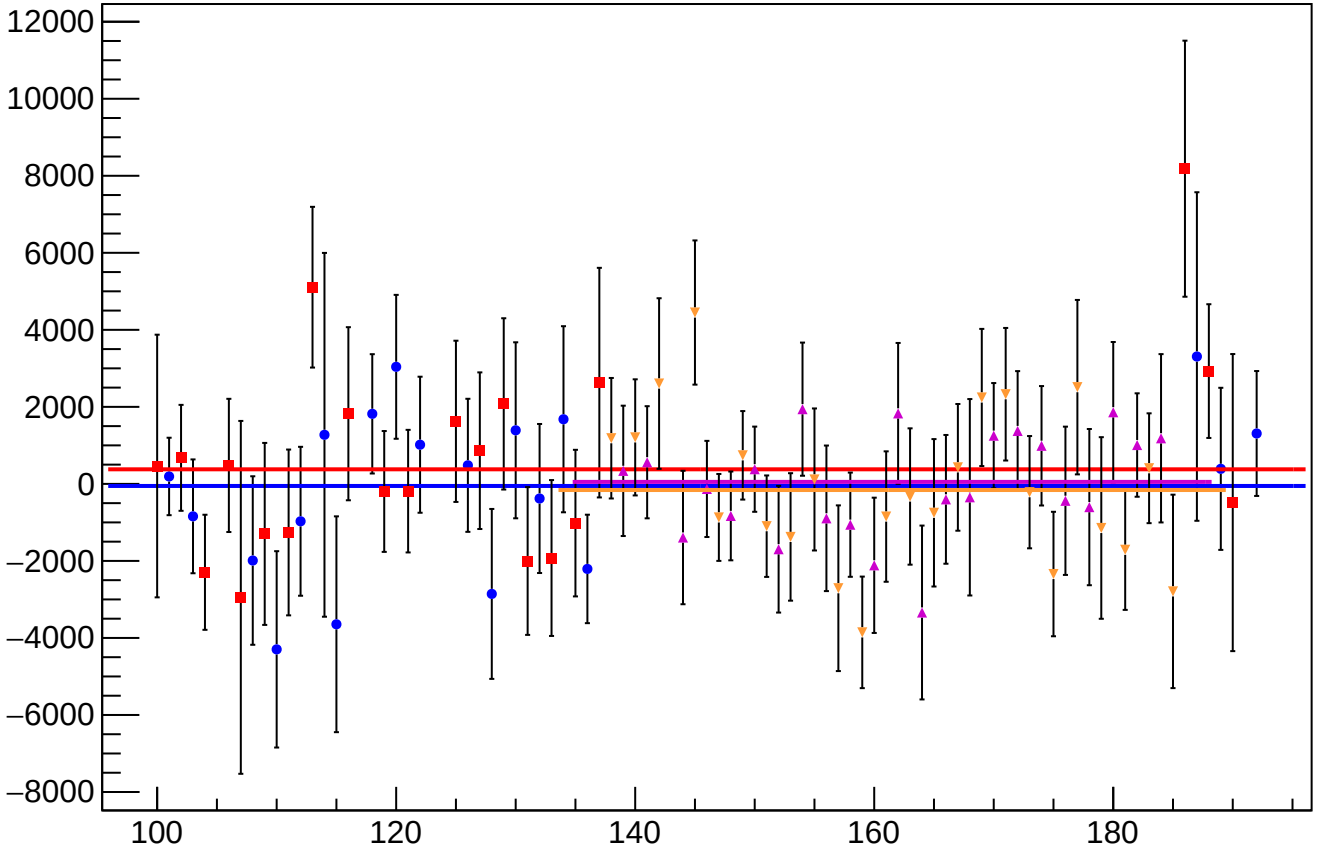
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.376+/-0.106 χ^2/NDF: 17868.9/42

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

- sign 788.601+/-0.107 χ^2/NDF: 22667.2/43

asym_us_avg_eigen_dit_correction_mean vs Slug



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

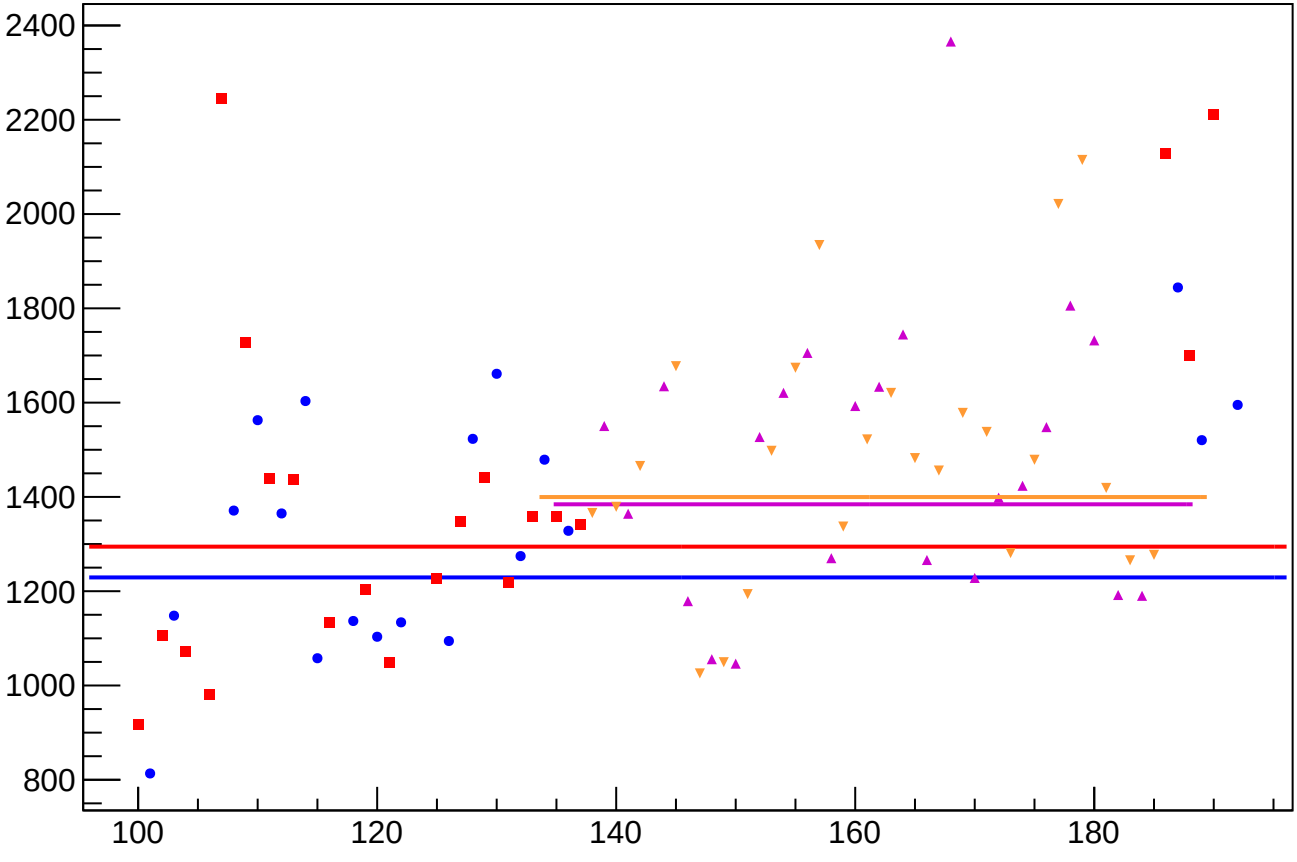
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

+ sign -118.973+/-261.073 χ^2/NDF: 45.9/42

All: 23.281+/-185.767 χ^2/NDF: 83.6/86

- sign 169.170+/-264.388 χ^2/NDF: 37.1/43

asym_us_avg_eigen_dit_correction_rms vs Slug



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

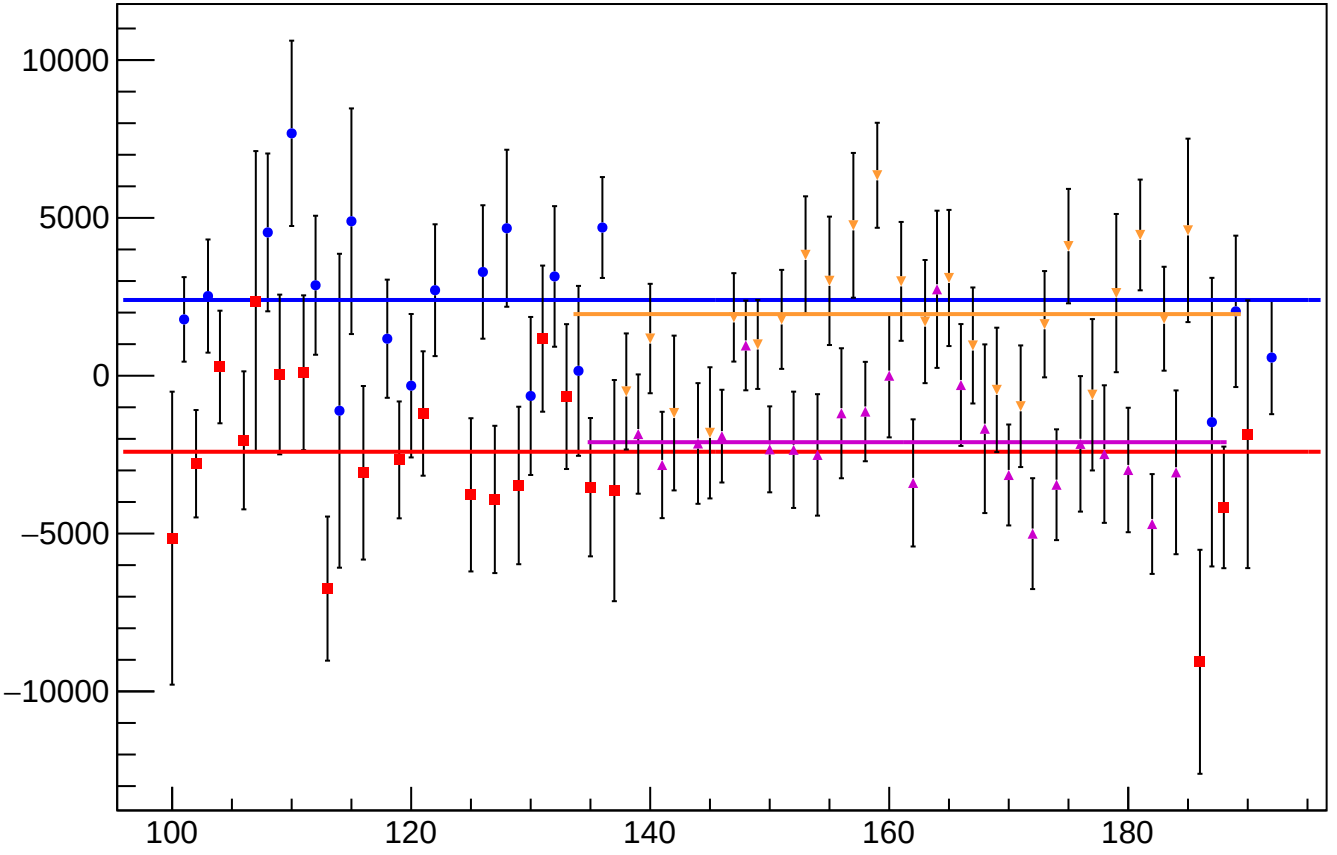
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

+ sign 1334.536+/-0.185 χ^2/NDF: 2113604.0/42

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

- sign 1352.097+/-0.187 χ^2/NDF: 2099076.1/43

asym_us_avg_mean vs Slug



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

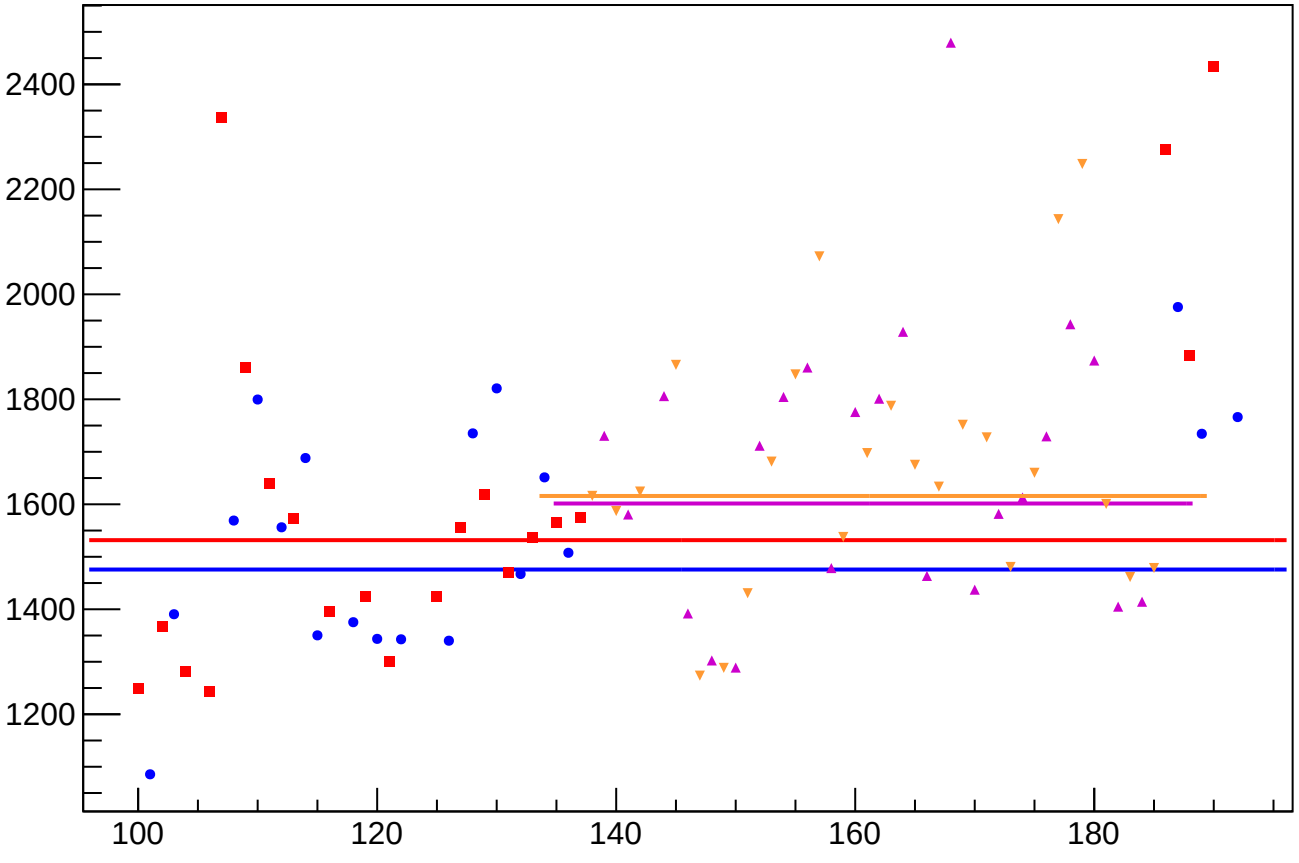
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2115.958+/-302.859 χ^2/NDF: 42.1/42

All: -27.580+/-215.150 χ^2/NDF: 180.4/86

- sign -2211.473+/-305.696 χ^2/NDF: 37.2/43

asym_us_avg_rms vs Slug



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

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

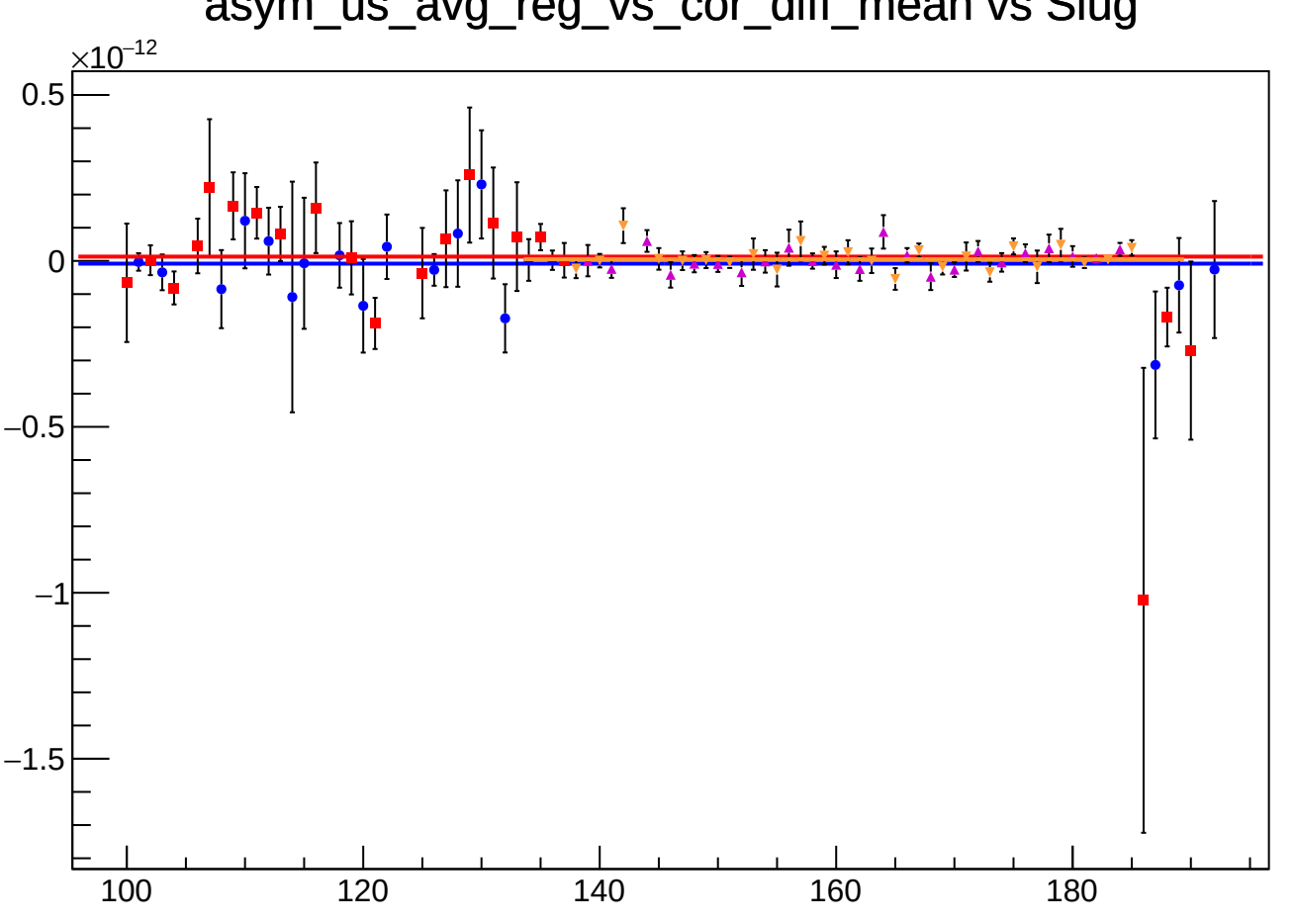
Right Out: 1531.689+/-0.366 χ^2/NDF: 487850.2/20

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

+ sign 1564.609+/-0.214 χ^2/NDF: 1201336.9/42

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

- sign 1577.092+/-0.216 χ^2/NDF: 1305286.4/43



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

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

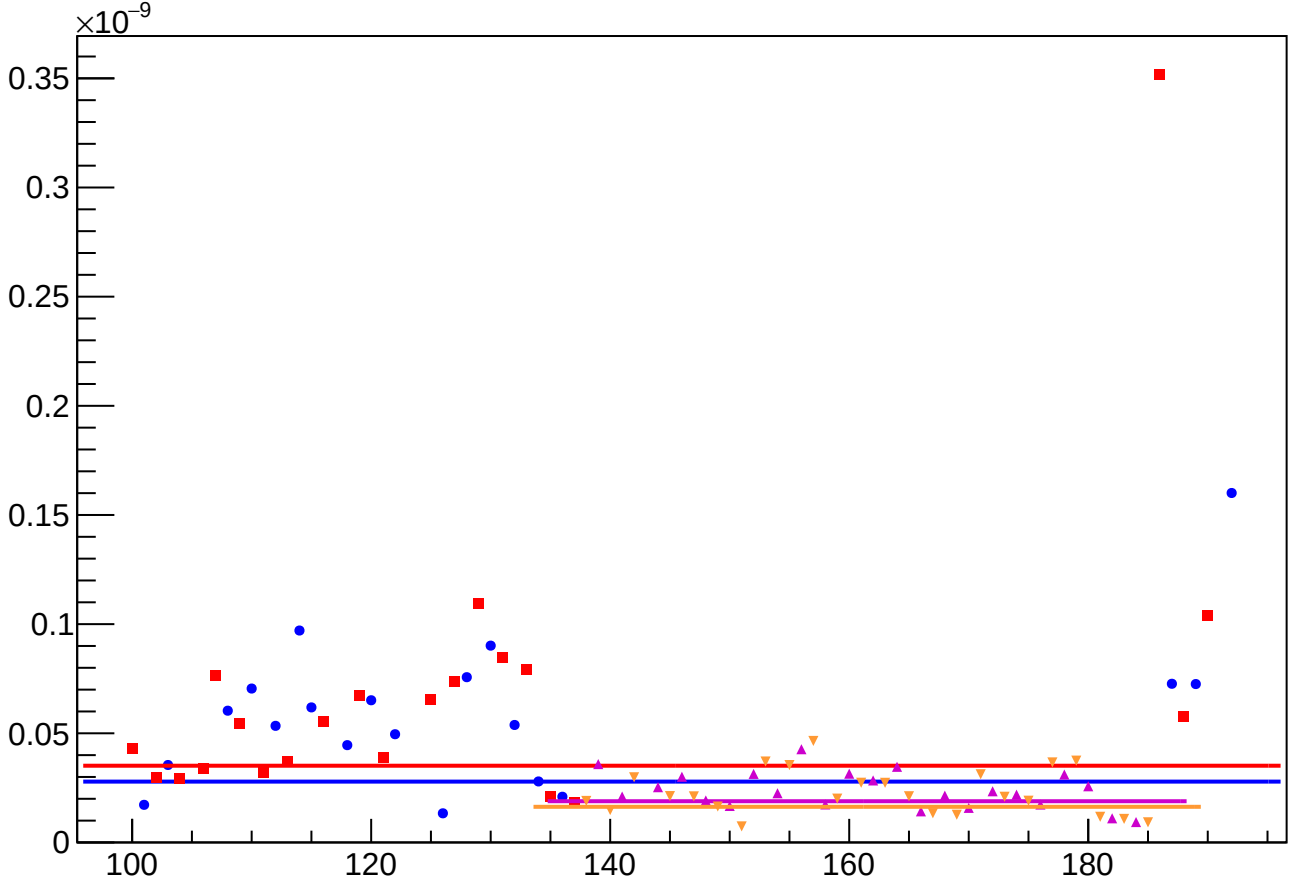
Right Out: 0.000+/-0.000 χ^2/NDF: 30.9/20

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

+ sign 0.000+/-0.000 χ^2/NDF: 32.4/42

All: 0.000+/-0.000 χ^2/NDF: 82.9/86

- sign 0.000+/-0.000 χ^2/NDF: 50.4/43



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

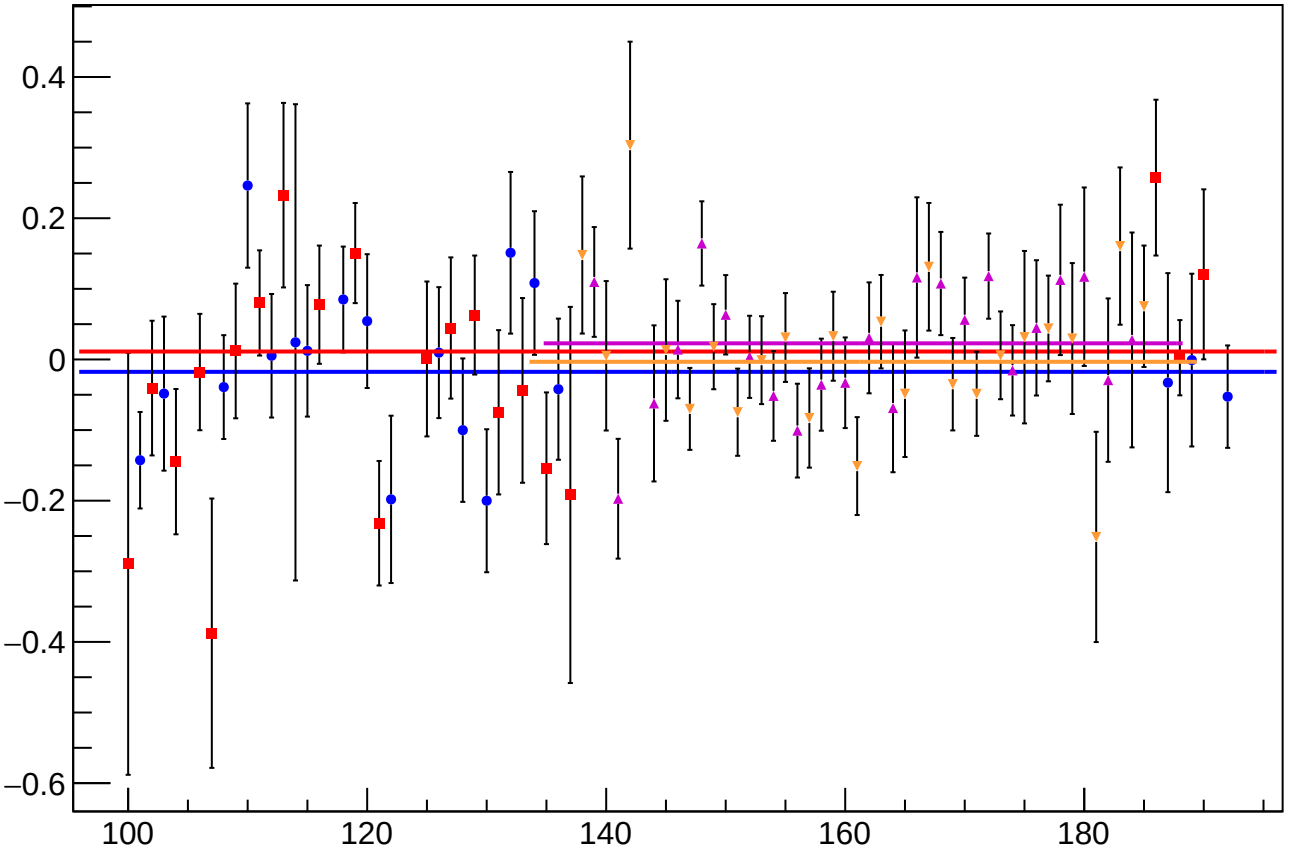
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8568710.3/42

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

- sign 0.000+/-0.000 χ^2/NDF: 7167867.6/43

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

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

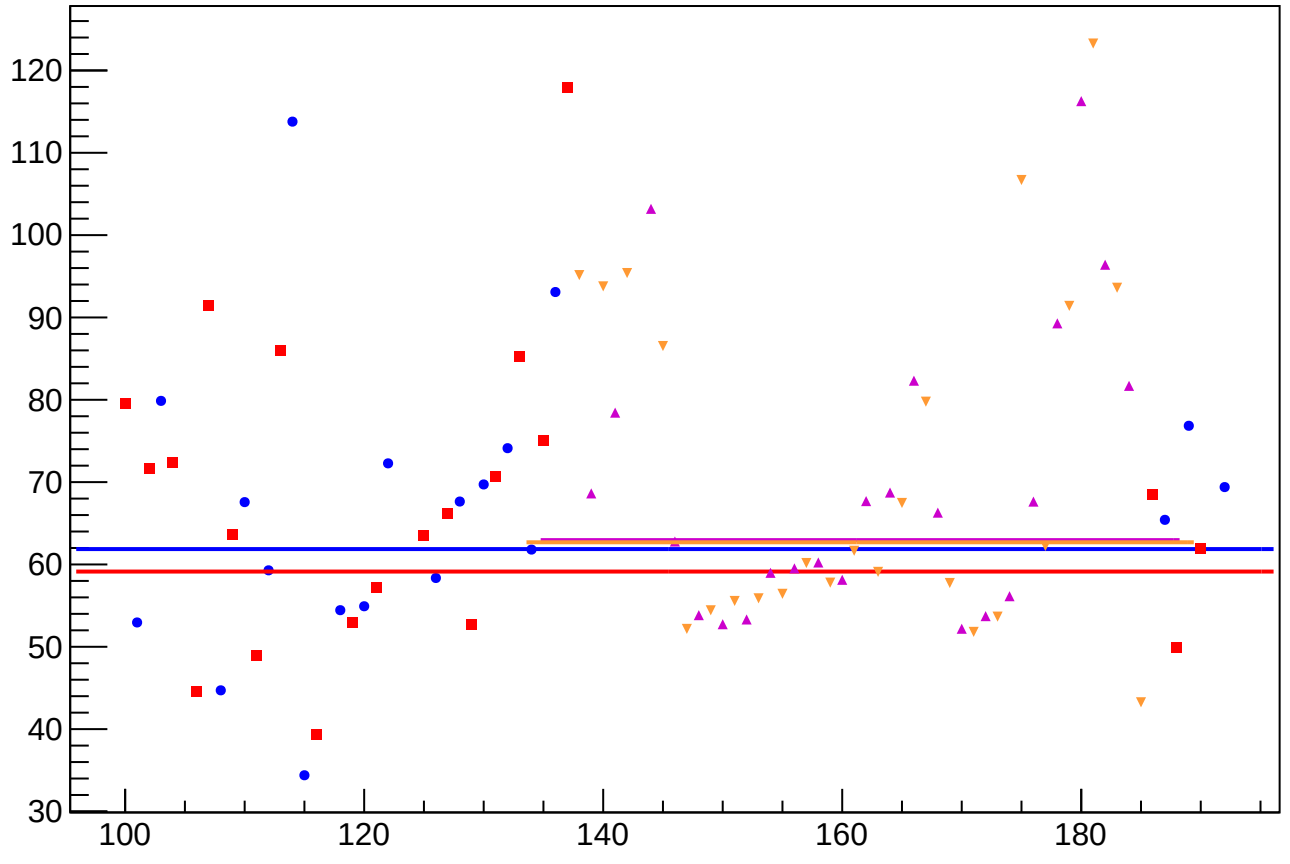
Right Out: 0.011+/-0.021 χ^2/NDF: 33.9/20

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

+ sign -0.008+/-0.013 χ^2/NDF: 47.8/42

All: 0.006+/-0.009 χ^2/NDF: 113.2/86

- sign 0.019+/-0.012 χ^2/NDF: 63.1/43



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

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

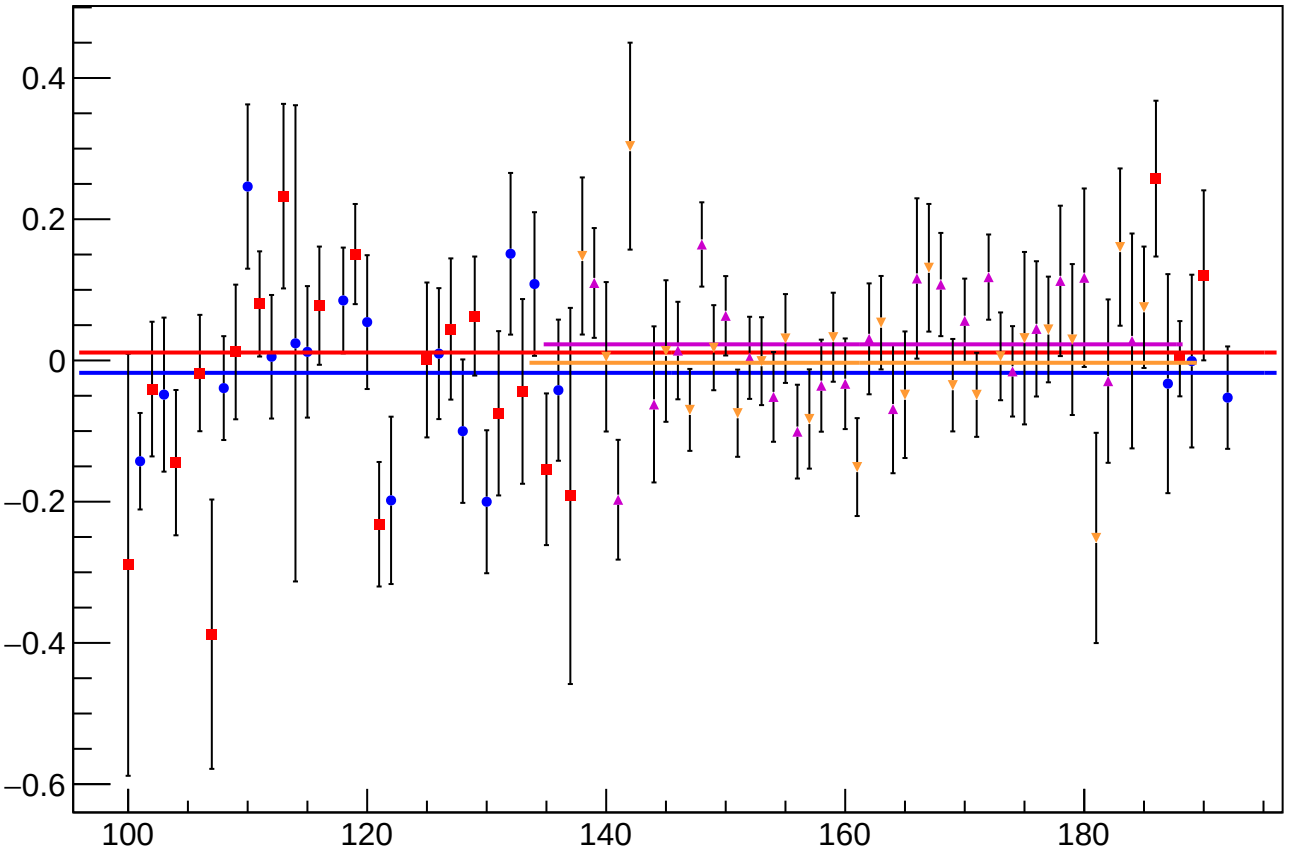
Right Out: 59.138+/-0.015 χ^2/NDF: 792714.0/20

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

+ sign 62.421+/-0.009 χ^2/NDF: 2704596.5/42

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

- sign 61.609+/-0.009 χ^2/NDF: 2265973.3/43



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

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

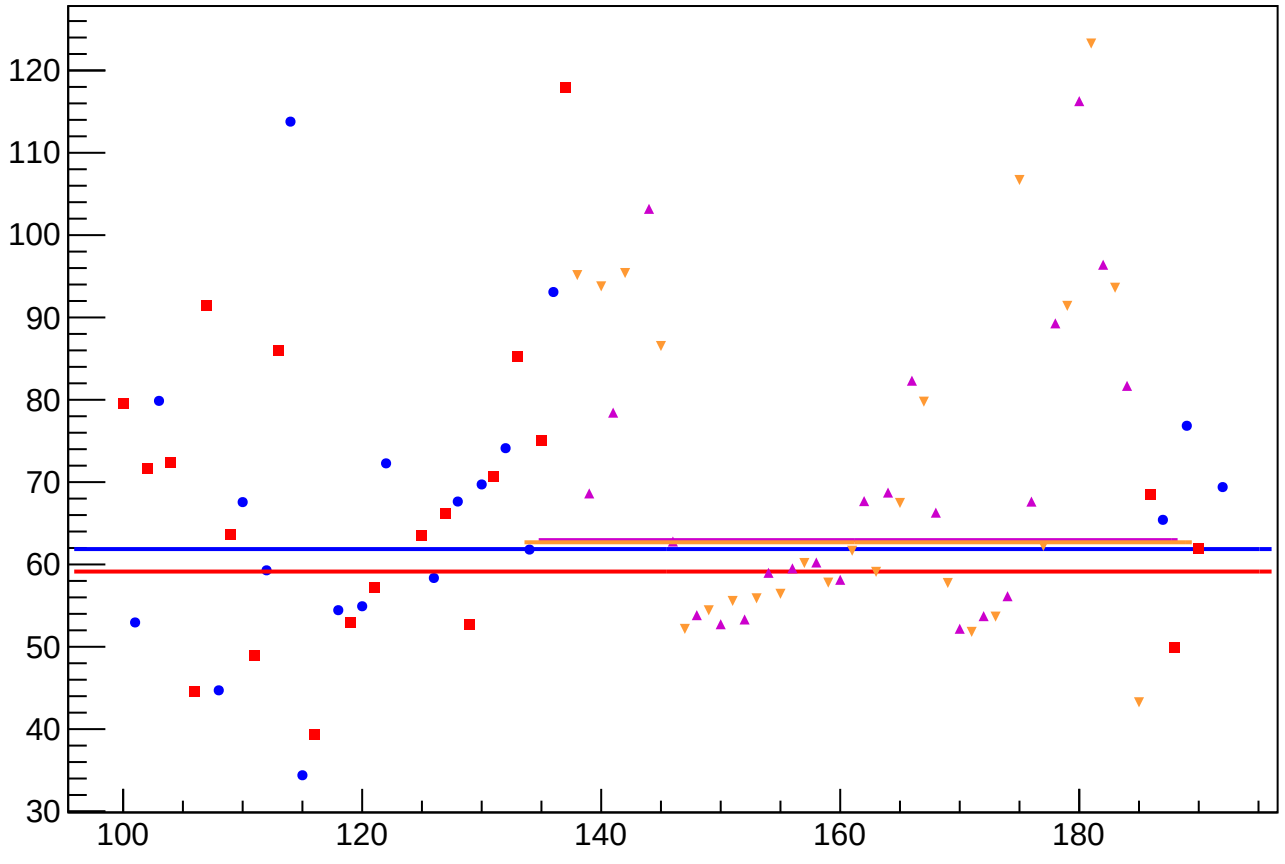
Right Out: 0.011+/-0.021 χ^2/NDF: 33.9/20

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

+ sign -0.008+/-0.013 χ^2/NDF: 47.8/42

All: 0.006+/-0.009 χ^2/NDF: 113.2/86

- sign 0.019+/-0.012 χ^2/NDF: 63.1/43



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

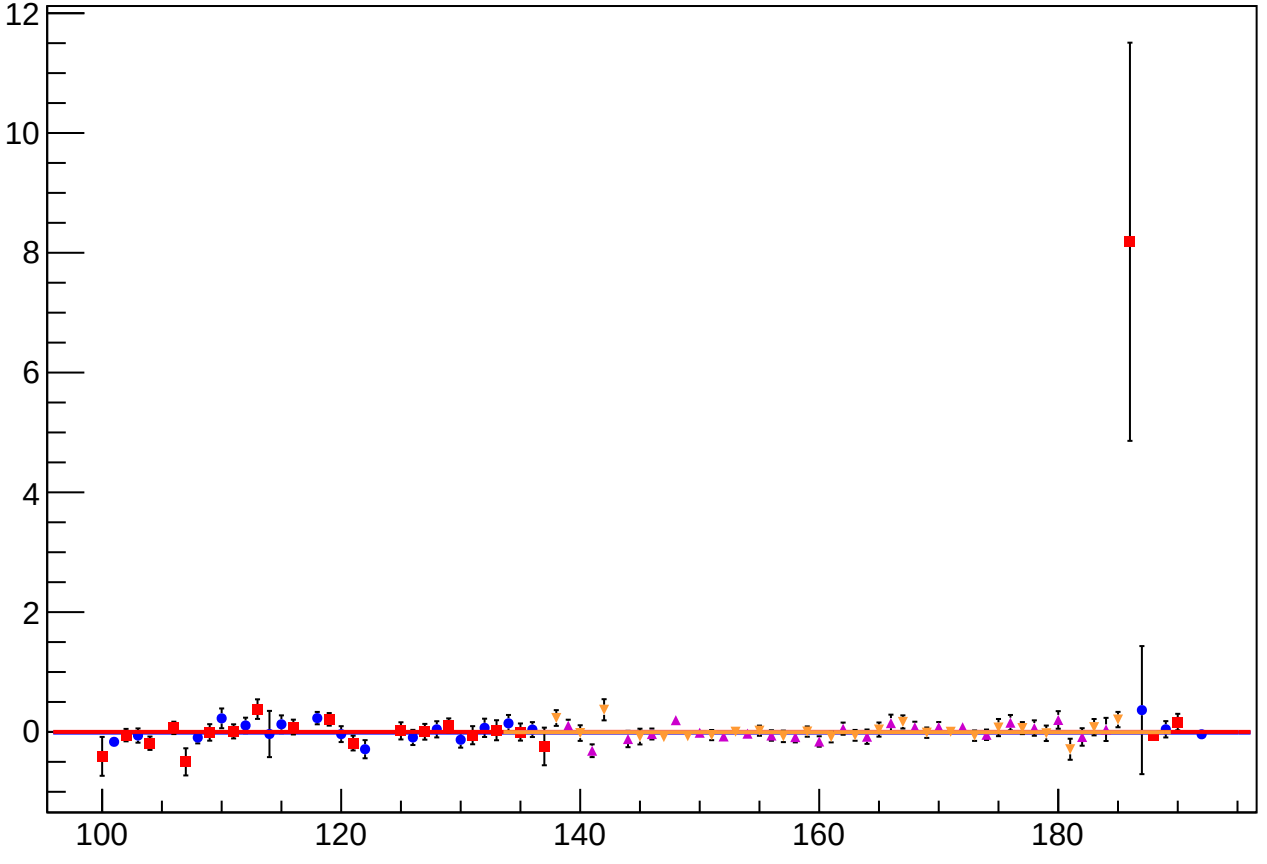
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 62.421+/-0.009 χ^2/NDF: 2704596.5/42

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

- sign 61.609+/-0.009 χ^2/NDF: 2265973.3/43

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



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

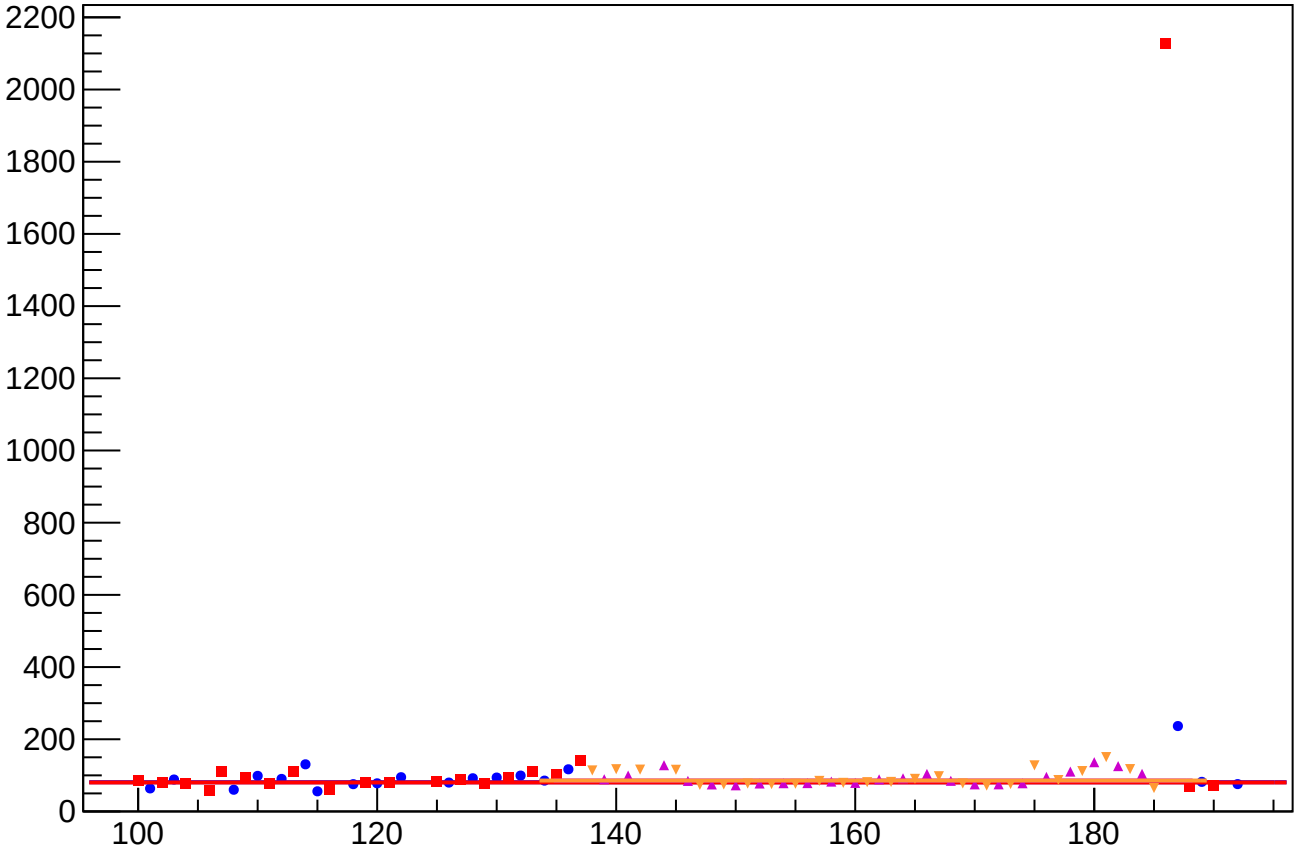
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign -0.007+/-0.017 χ^2/NDF: 42.0/42

All: -0.004+/-0.012 χ^2/NDF: 104.6/86

- sign -0.001+/-0.017 χ^2/NDF: 62.5/43

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



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

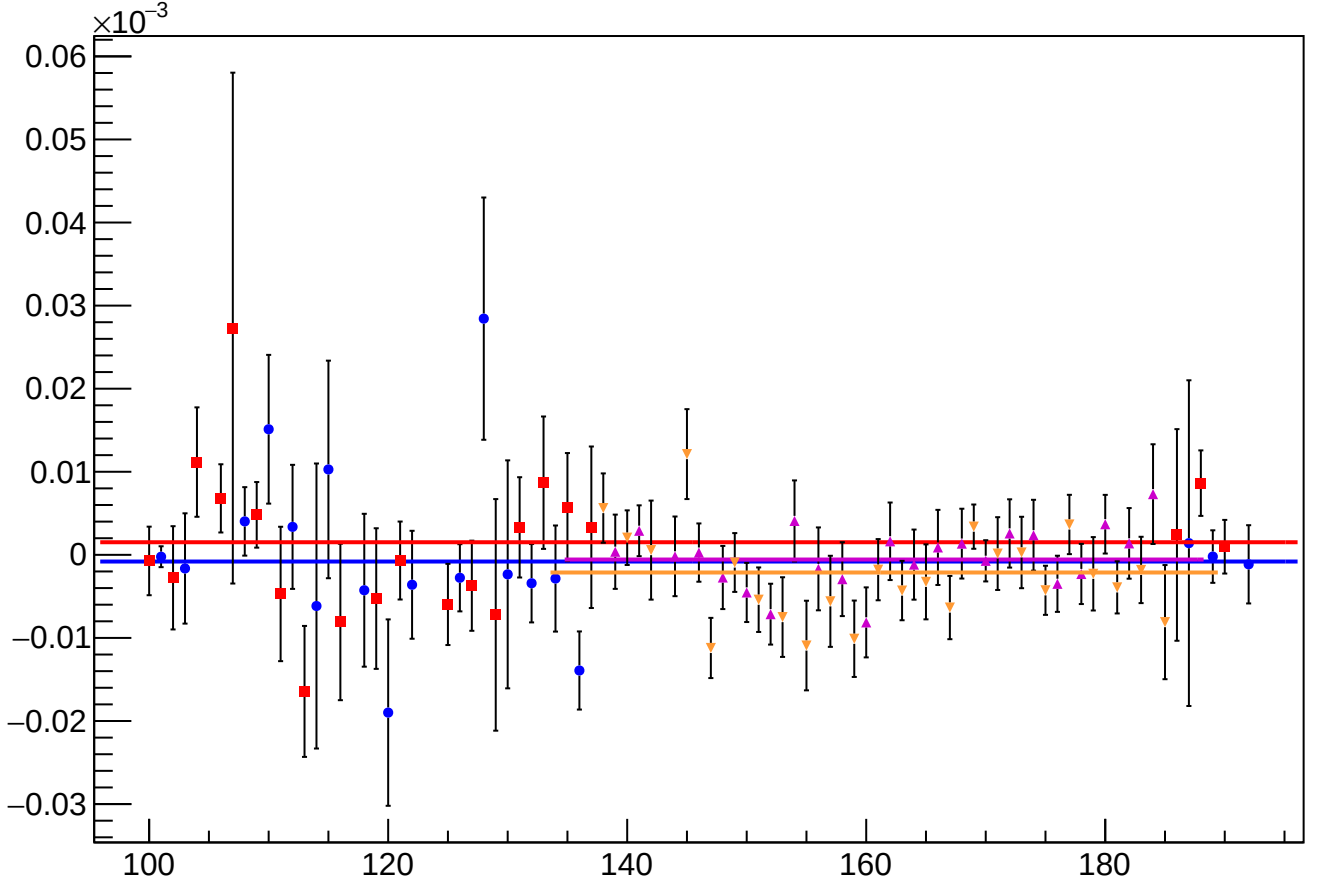
Left In: 85.679+/-0.015 χ^2/NDF:995870.4/22

+ sign 84.060+/-0.012 χ^2/NDF: 2001373.7/42

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

- sign 83.833+/-0.012 χ^2/NDF: 2343399.9/43

asym_us_avg_eigen_dit_vs_dit_diff_mean vs Slug



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

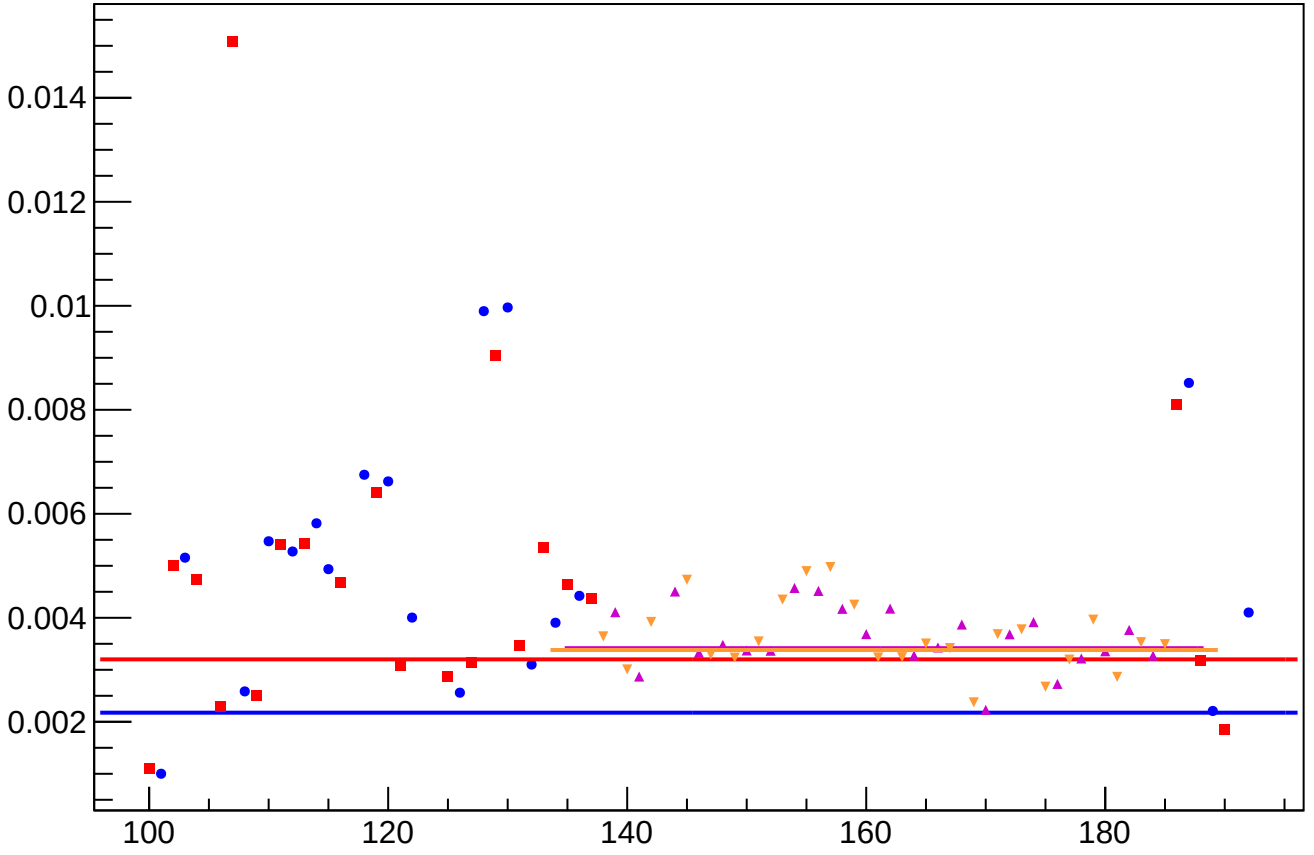
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.9/42

All: -0.000+/-0.000 χ^2/NDF: 103.7/86

- sign 0.000+/-0.000 χ^2/NDF: 40.6/43

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

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

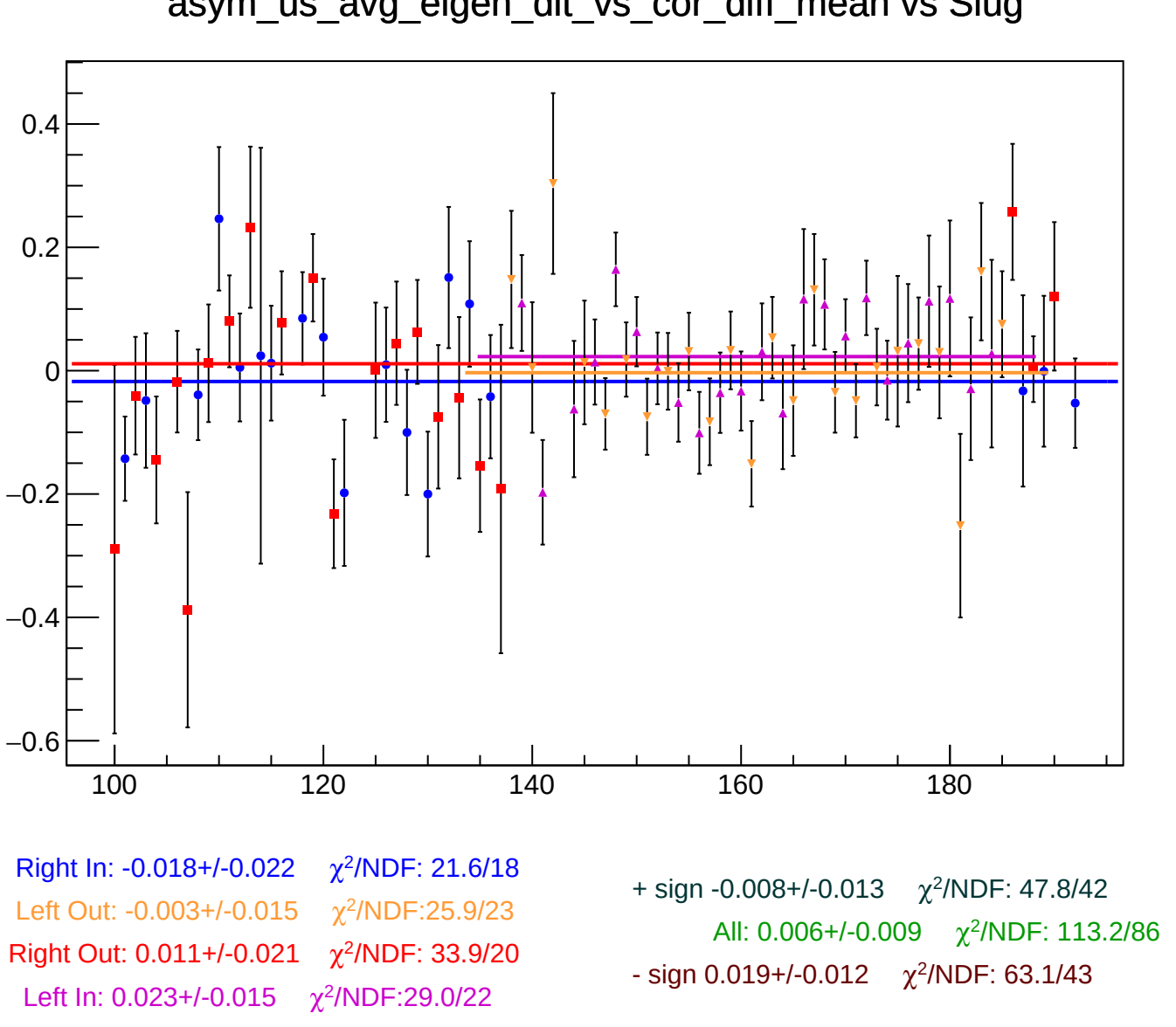
Right Out: 0.003+/-0.000 χ^2/NDF: 3177615.0/20

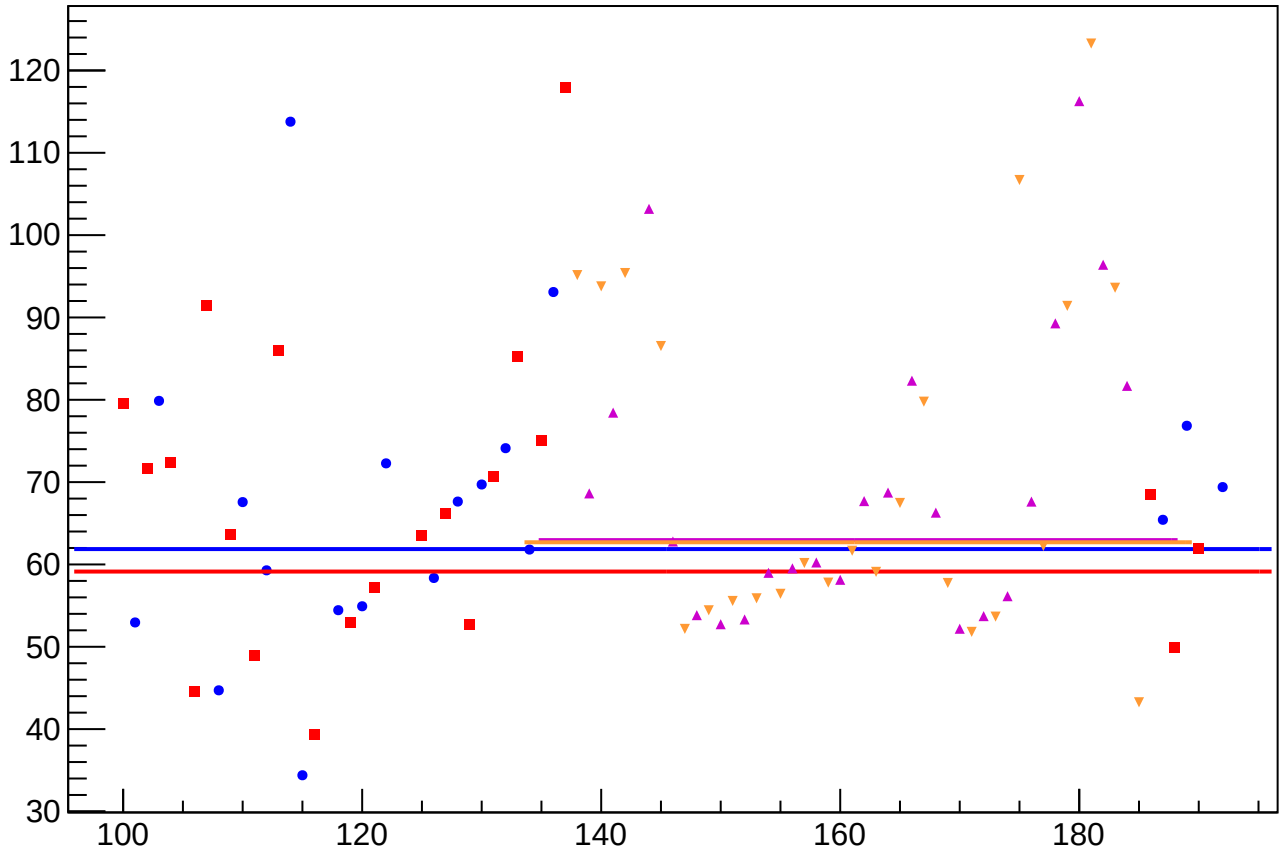
Left In: 0.003+/-0.000 χ^2/NDF:1170356.5/22

\+ sign 0.003+/-0.000 χ^2/NDF: 9471020.9/42

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

\- sign 0.003+/-0.000 χ^2/NDF: 4390440.1/43


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
Right In: -0.018+/-0.022 χ²/NDF: 21.6/18
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: 0.011+/-0.021 χ²/NDF: 33.9/20
Left In: 0.023+/-0.015 χ²/NDF:29.0/22
+ sign -0.008+/-0.013 χ²/NDF: 47.8/42
All: 0.006+/-0.009 χ²/NDF: 113.2/86
- sign 0.019+/-0.012 χ²/NDF: 63.1/43



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

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

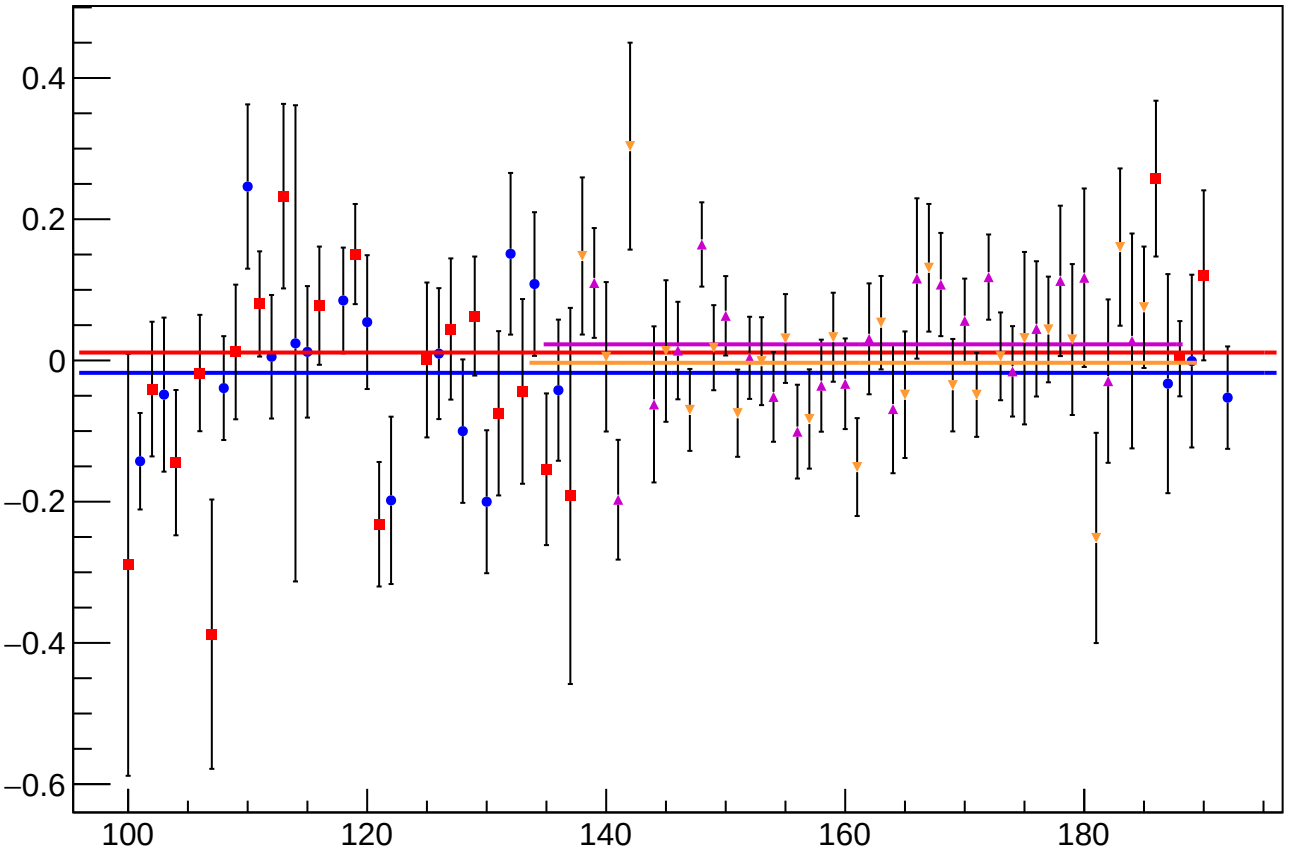
Right Out: 59.137+/-0.015 χ^2/NDF: 792705.8/20

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

+ sign 62.421+/-0.009 χ^2/NDF: 2704616.9/42

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

- sign 61.609+/-0.009 χ^2/NDF: 2265970.8/43



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

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

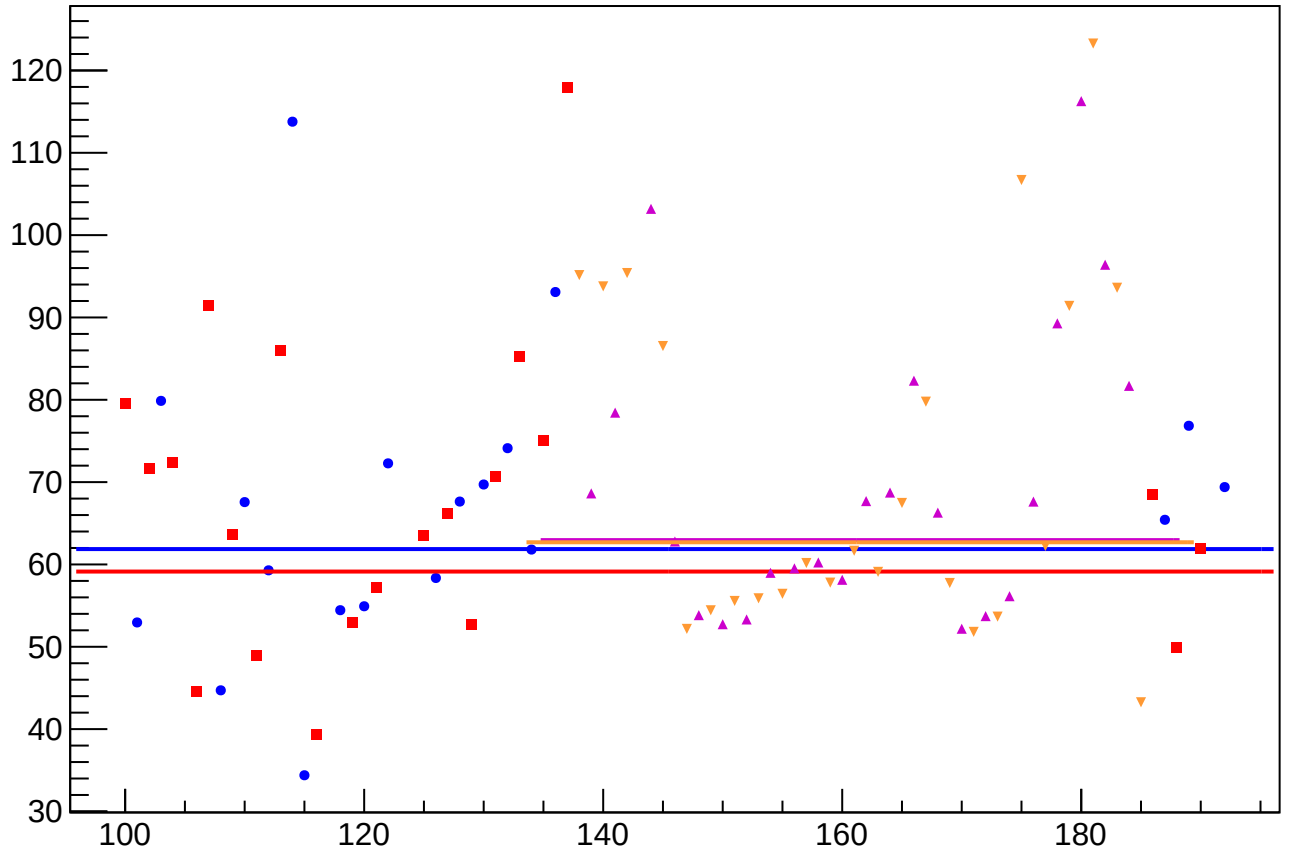
Right Out: 0.011+/-0.021 χ^2/NDF: 33.9/20

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

+ sign -0.008+/-0.013 χ^2/NDF: 47.8/42

All: 0.006+/-0.009 χ^2/NDF: 113.2/86

- sign 0.019+/-0.012 χ^2/NDF: 63.1/43



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

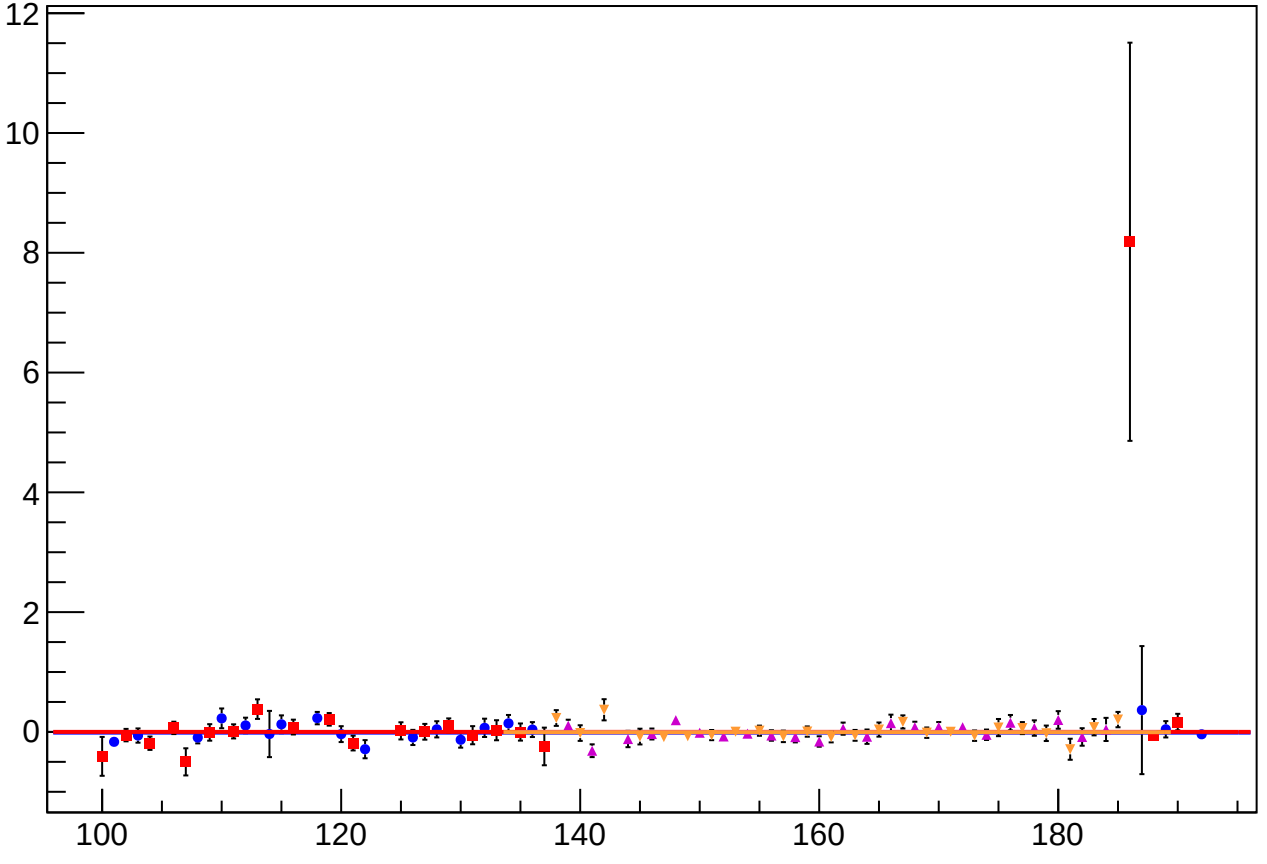
Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

+ sign 62.421+/-0.009 χ^2/NDF: 2704616.9/42

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

- sign 61.609+/-0.009 χ^2/NDF: 2265970.8/43

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug



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

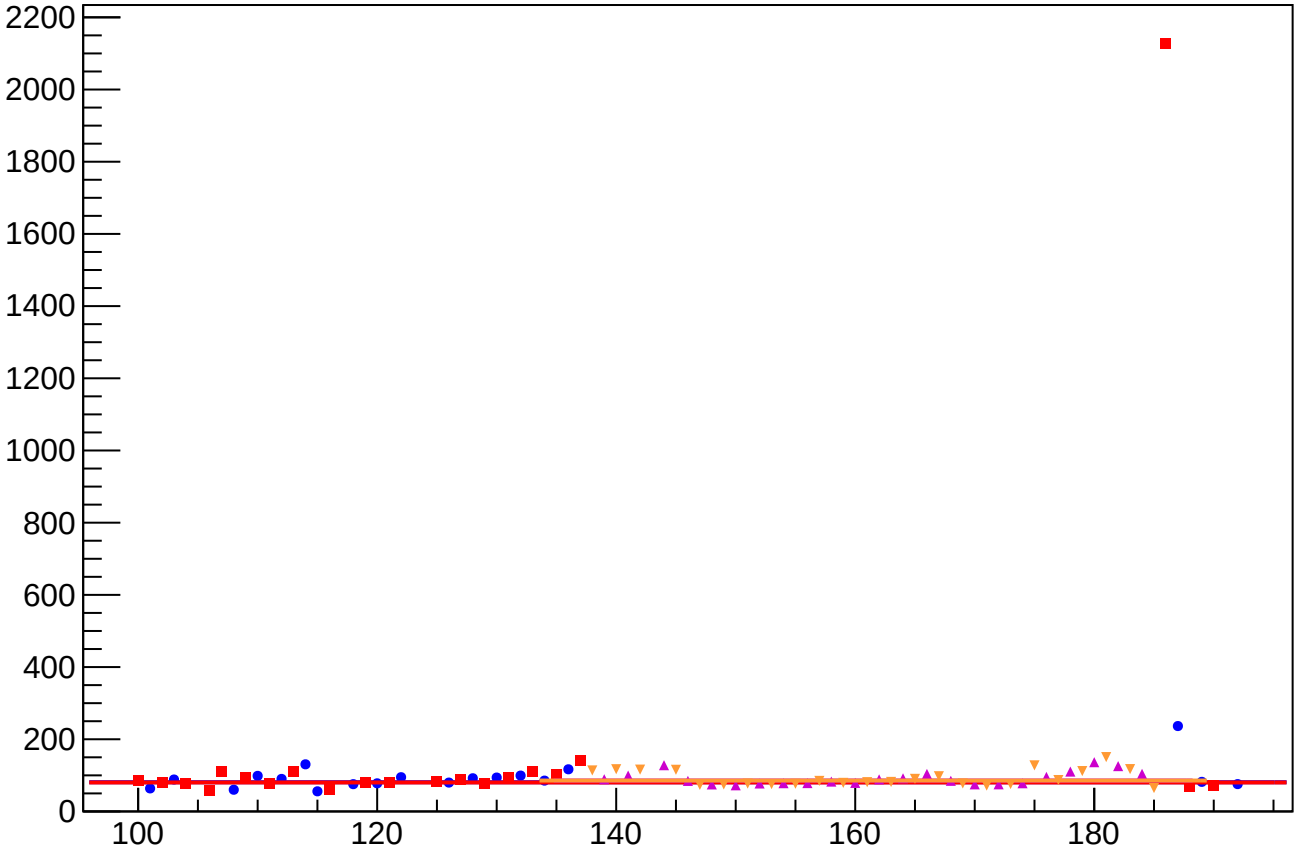
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign -0.007+/-0.017 χ^2/NDF: 42.0/42

All: -0.004+/-0.012 χ^2/NDF: 104.6/86

- sign -0.001+/-0.017 χ^2/NDF: 62.5/43

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



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

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

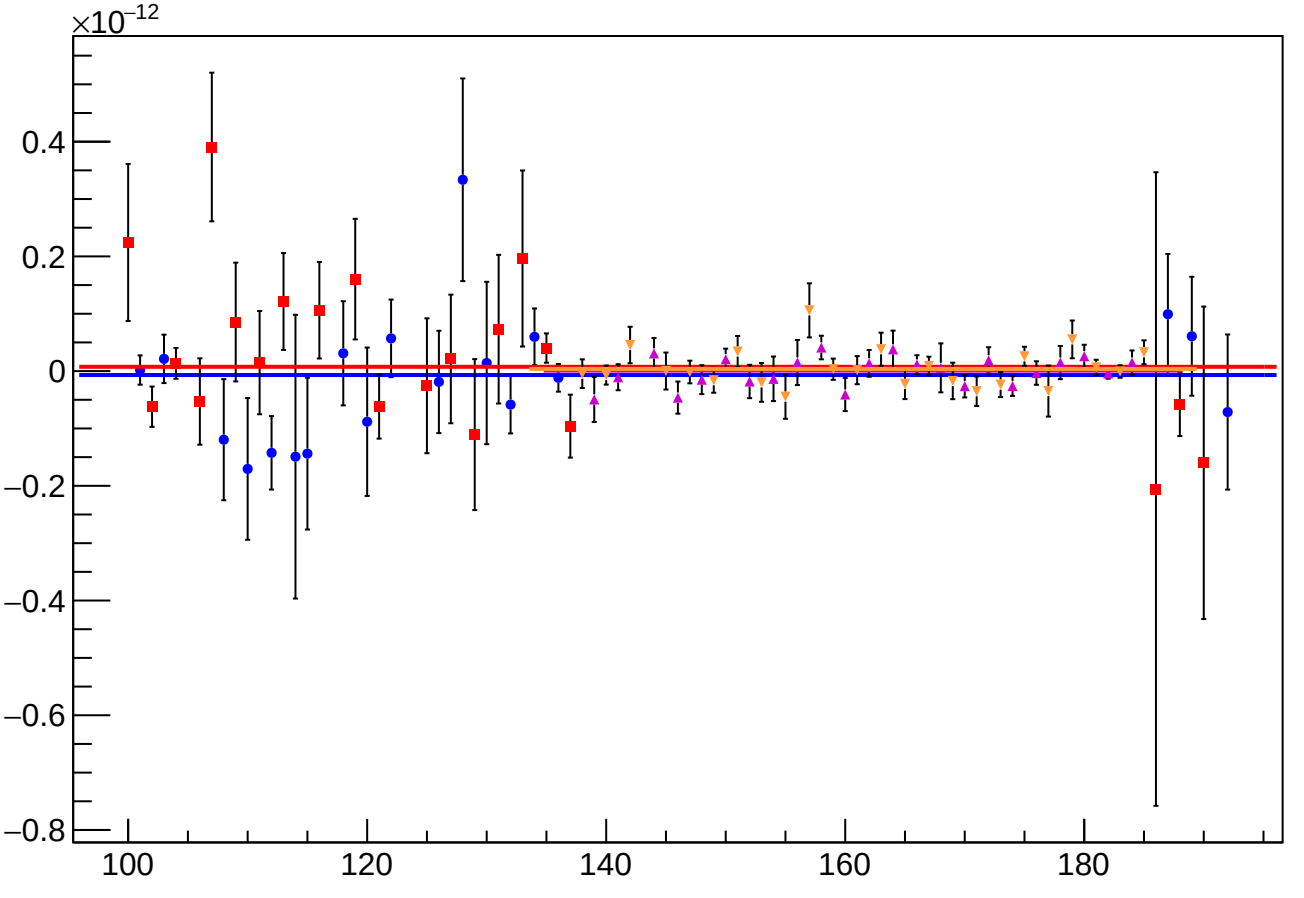
Right Out: 80.307+/-0.020 χ^2/NDF: 1301149.0/20

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

+ sign 84.060+/-0.012 χ^2/NDF: 2001367.8/42

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

- sign 83.833+/-0.012 χ^2/NDF: 2343389.8/43



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

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

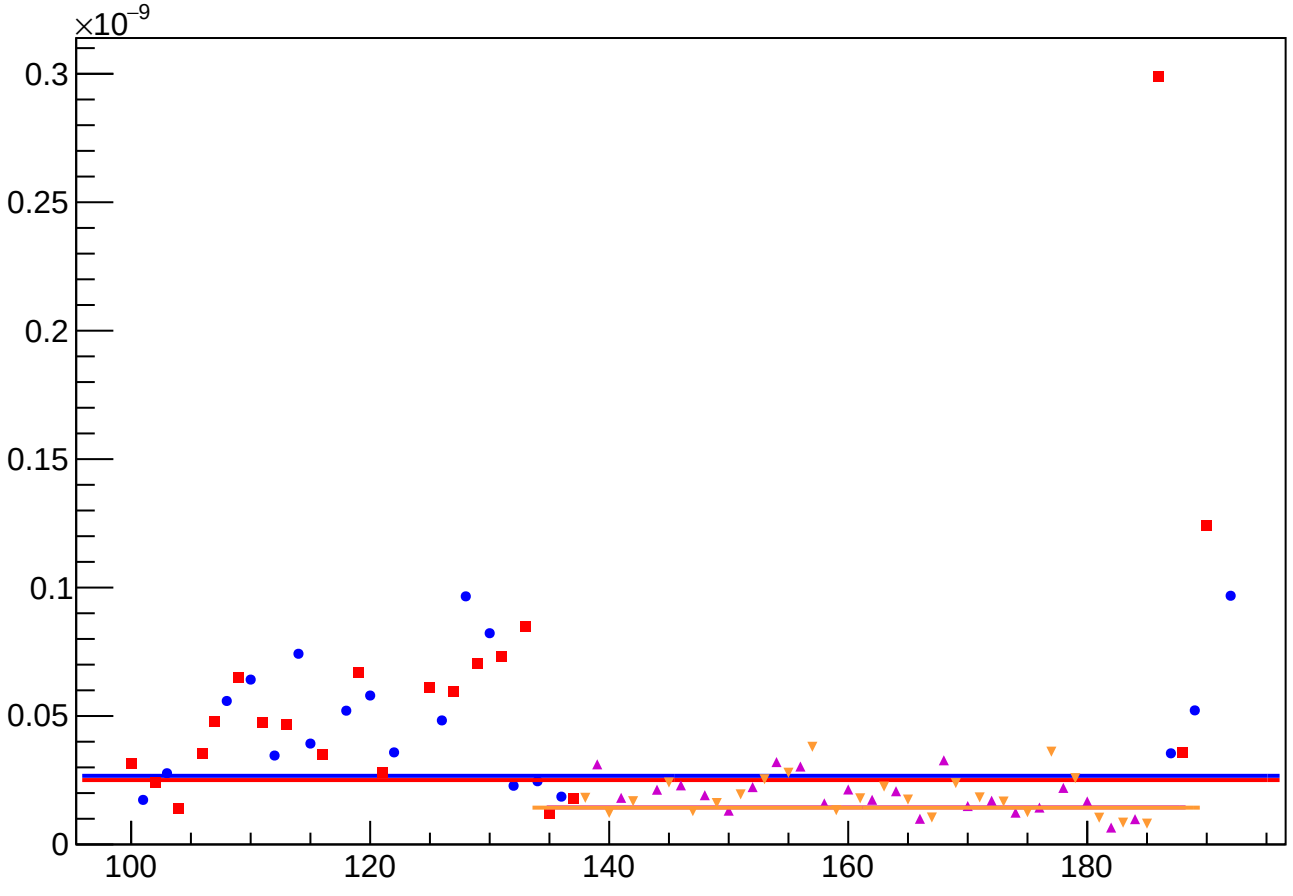
Right Out: 0.000+/-0.000 χ^2/NDF: 33.1/20

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

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/42

All: 0.000+/-0.000 χ^2/NDF: 101.7/86

- sign 0.000+/-0.000 χ^2/NDF: 57.0/43



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

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

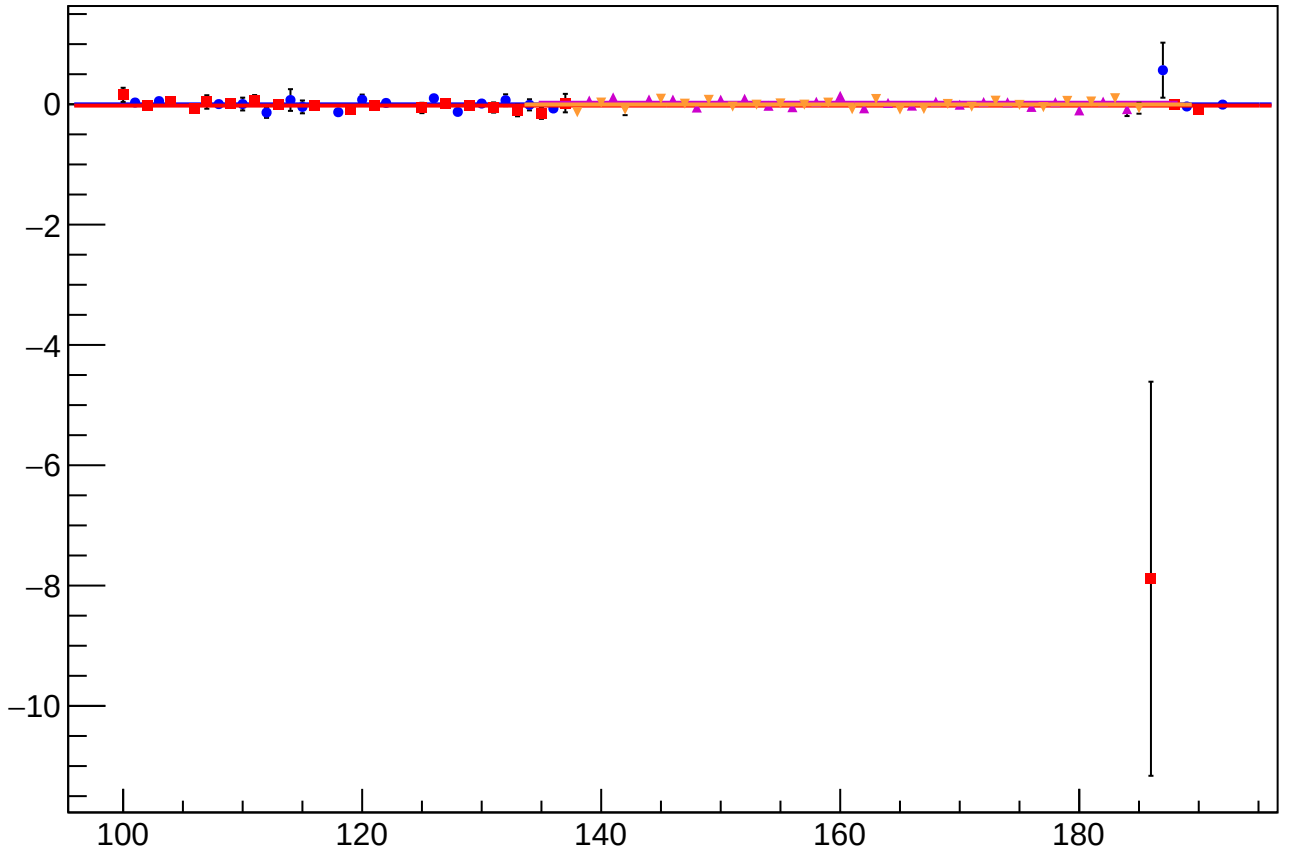
Right Out: 0.000+/-0.000 χ^2/NDF: 3926648.8/20

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

+ sign 0.000+/-0.000 χ^2/NDF: 7936643.5/42

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

- sign 0.000+/-0.000 χ^2/NDF: 9383242.6/43



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

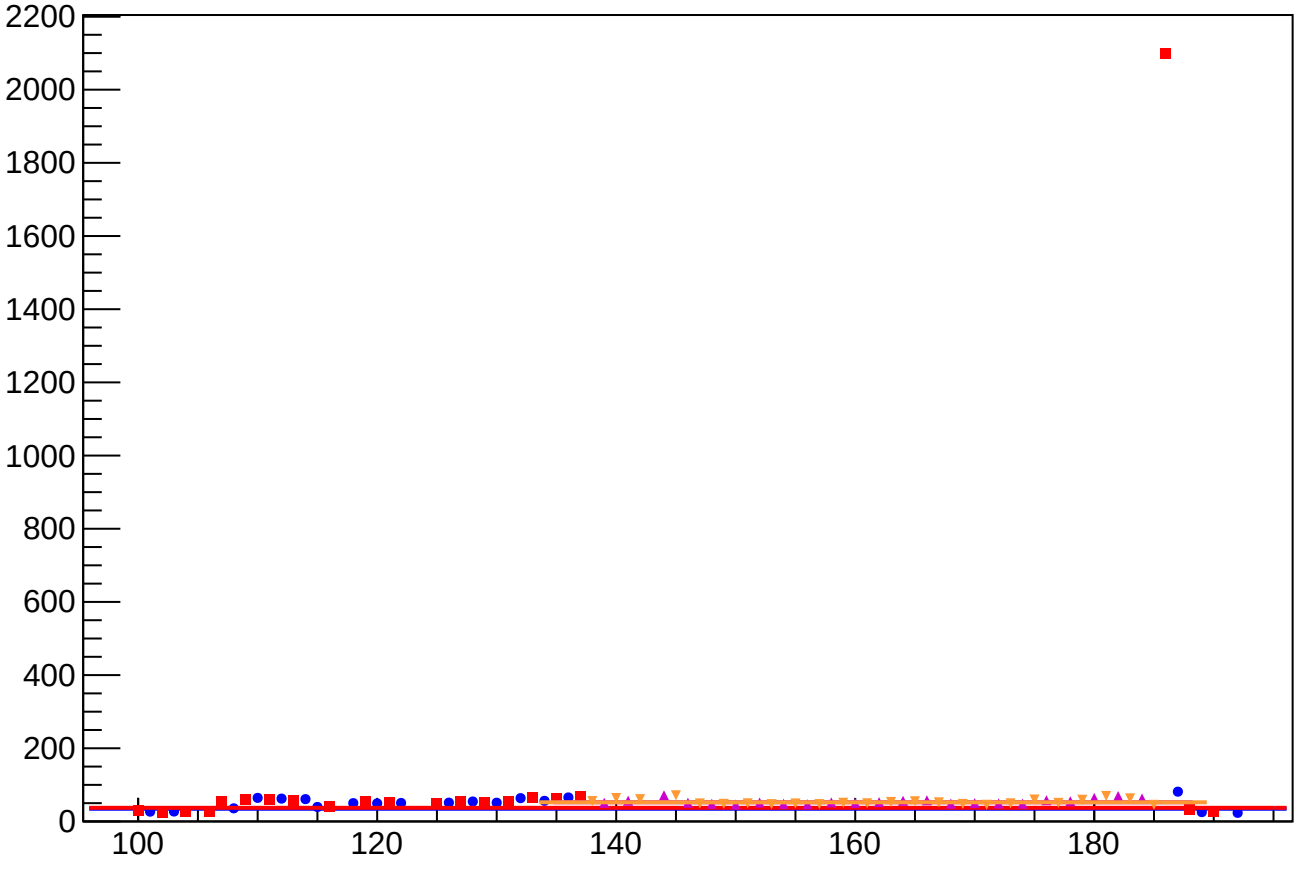
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.002+/-0.009 χ^2/NDF: 41.2/42

All: 0.001+/-0.006 χ^2/NDF: 92.4/86

- sign 0.004+/-0.009 χ^2/NDF: 50.9/43

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



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

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

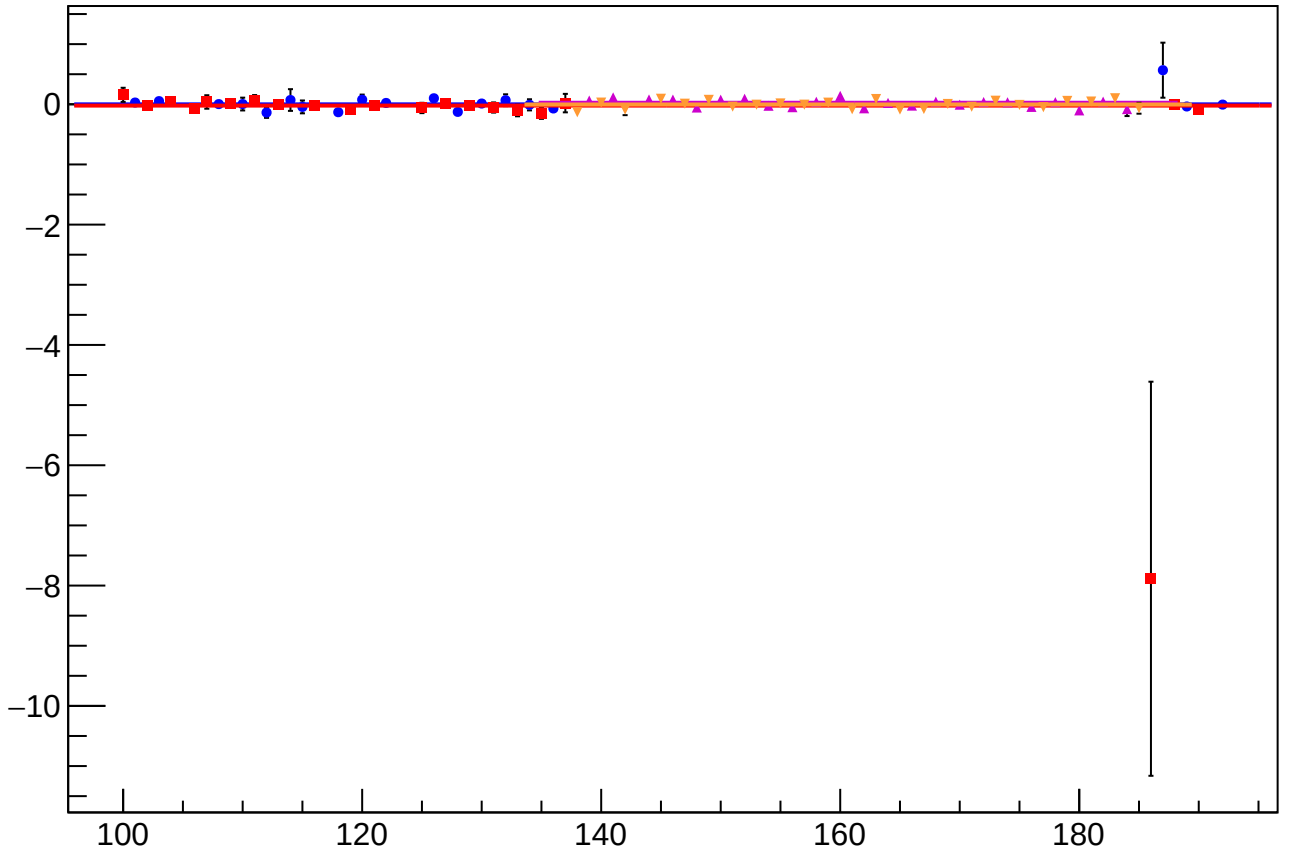
Right Out: 37.266+/-0.010 χ^2/NDF: 2773954.5/20

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

+ sign 43.950+/-0.006 χ^2/NDF: 4800303.7/42

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

- sign 45.678+/-0.007 χ^2/NDF: 4542506.7/43



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

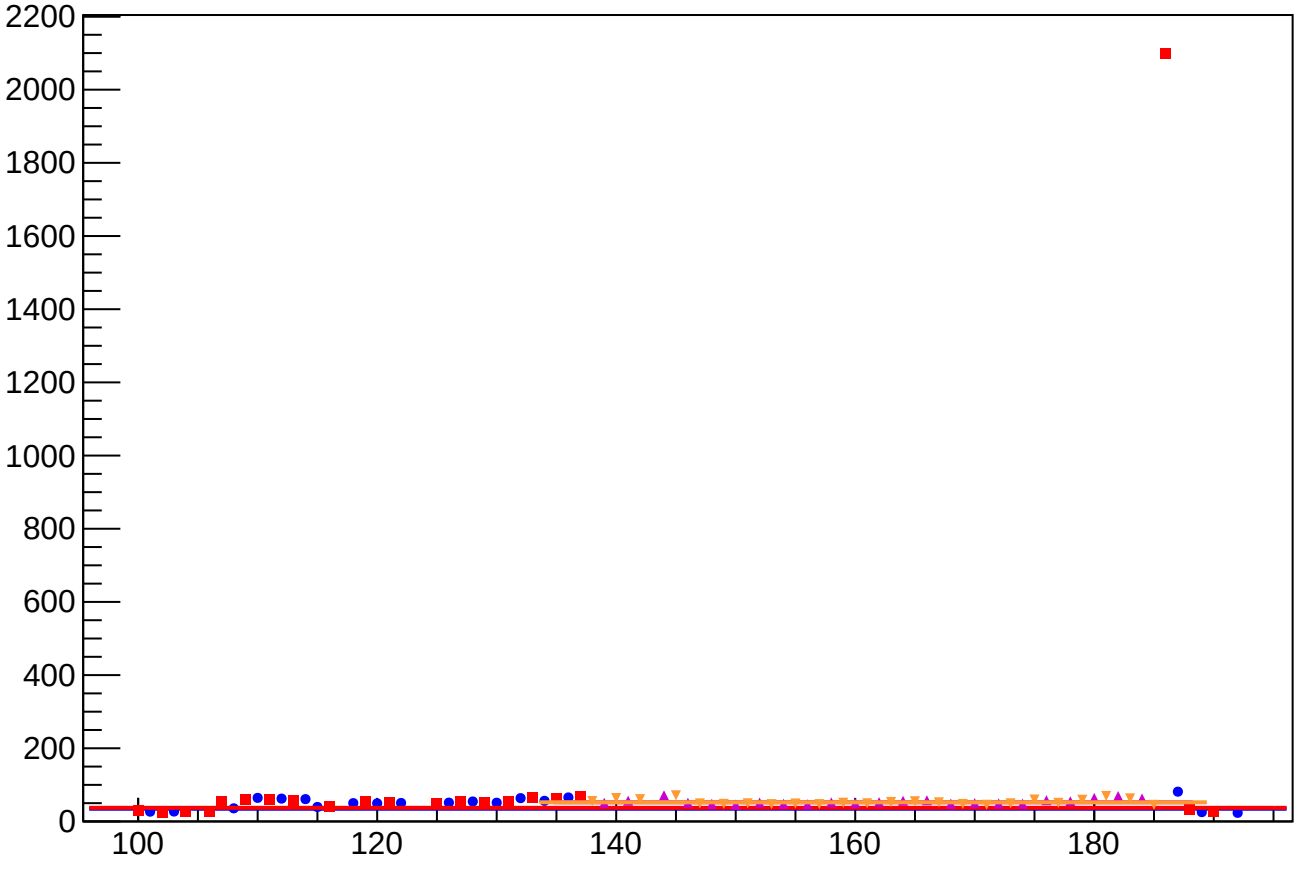
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.002+/-0.009 χ^2/NDF: 41.2/42

All: 0.001+/-0.006 χ^2/NDF: 92.4/86

- sign 0.004+/-0.009 χ^2/NDF: 50.9/43

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug



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

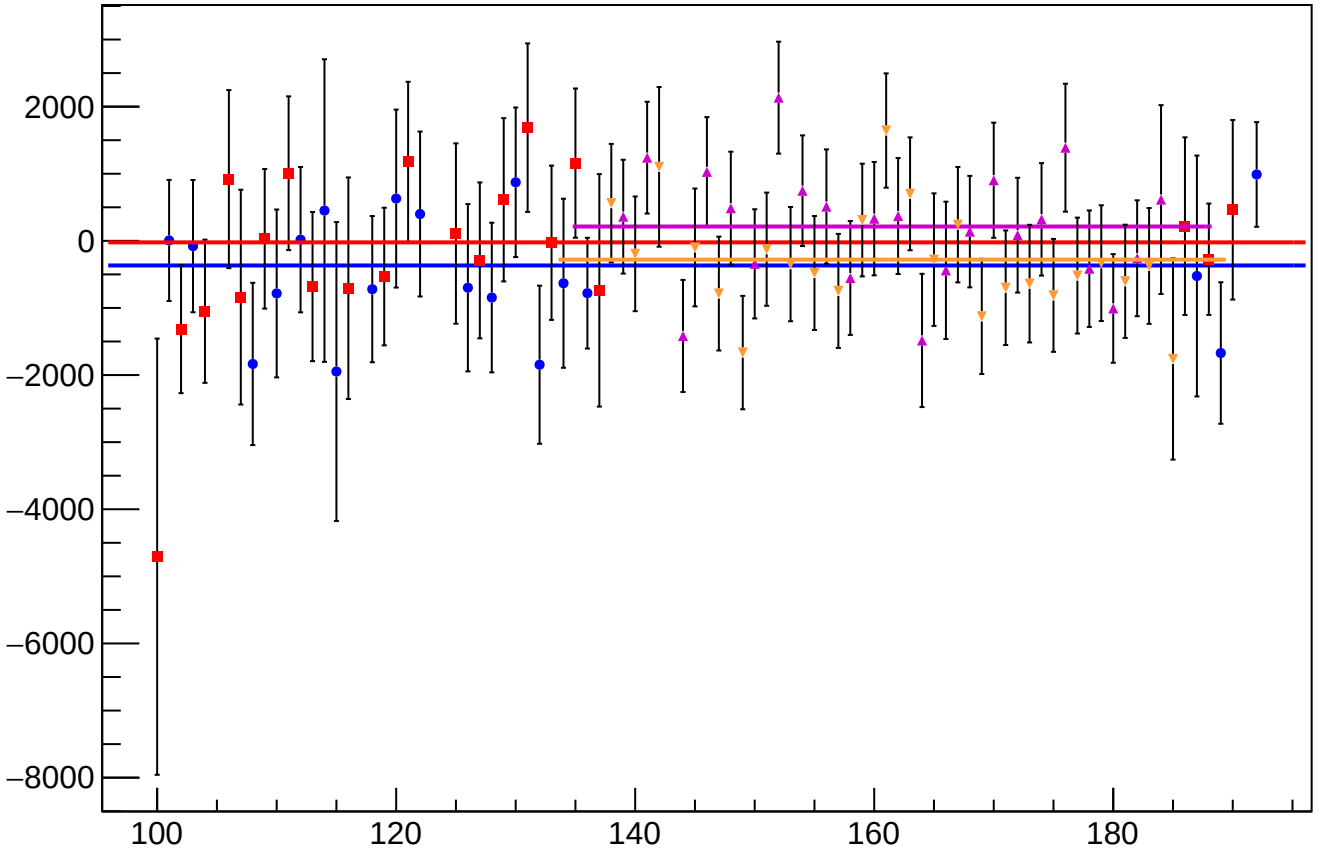
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 43.950+/-0.006 χ^2/NDF: 4800303.7/42

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

- sign 45.678+/-0.007 χ^2/NDF: 4542506.7/43

reg_asym_us_dd_mean vs Slug



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

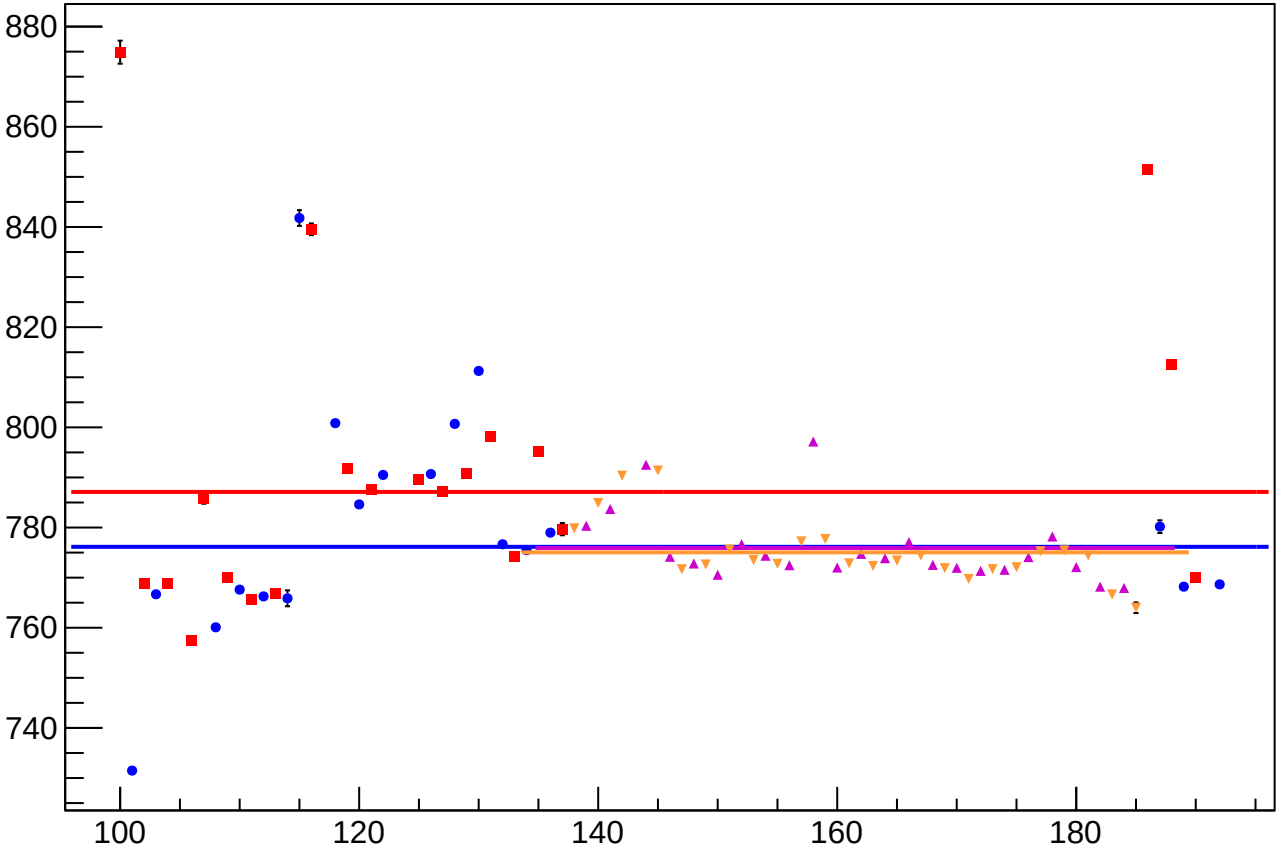
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -308.413+/-147.867 χ^2/NDF: 27.7/42

All: -87.321+/-104.924 χ^2/NDF: 67.1/86

- sign 136.894+/-148.908 χ^2/NDF: 34.9/43

reg_asym_us_dd_rms vs Slug



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

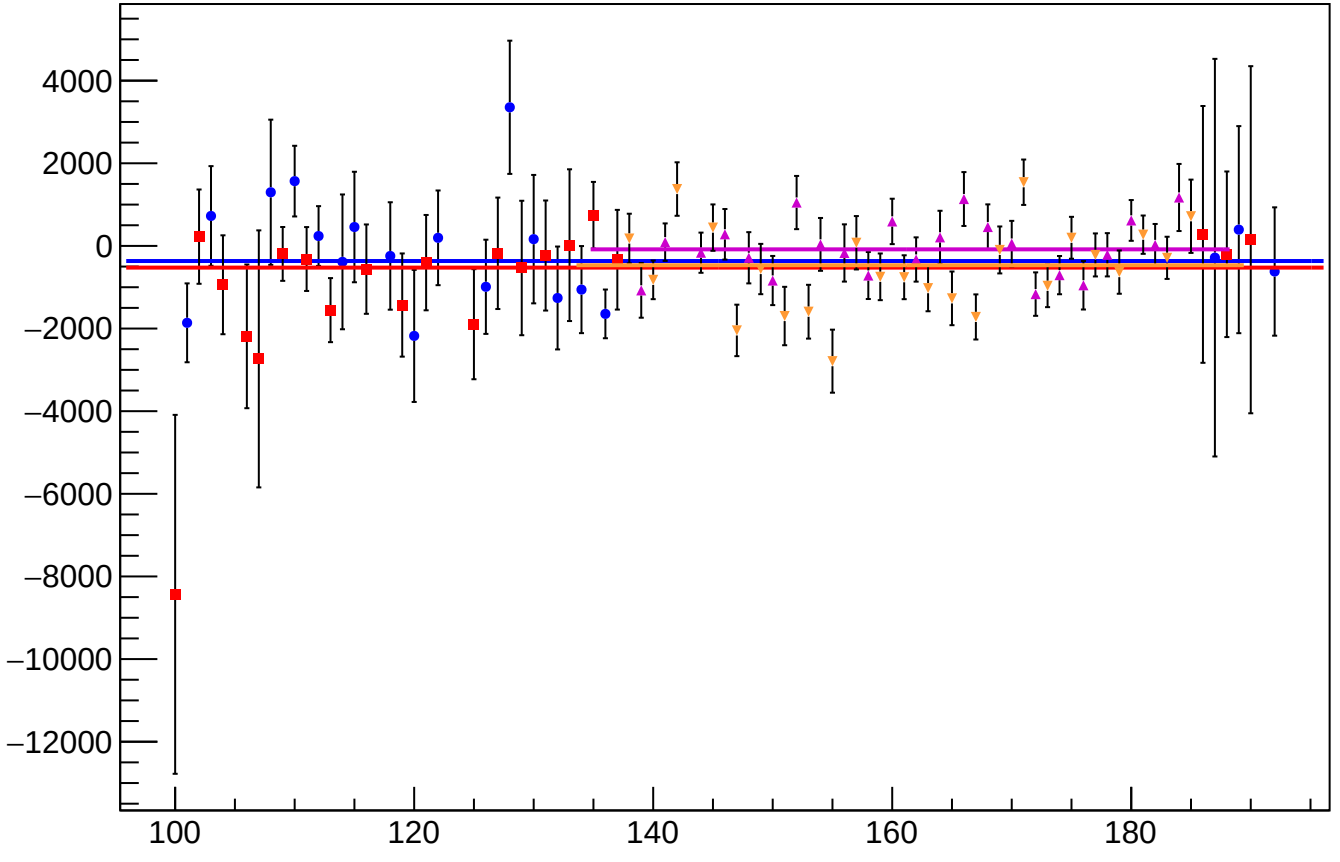
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 775.407+/-0.105 χ^2/NDF: 14395.1/42

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

- sign 779.553+/-0.105 χ^2/NDF: 20710.1/43

asym_us_dd_reg_correction_mean vs Slug



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

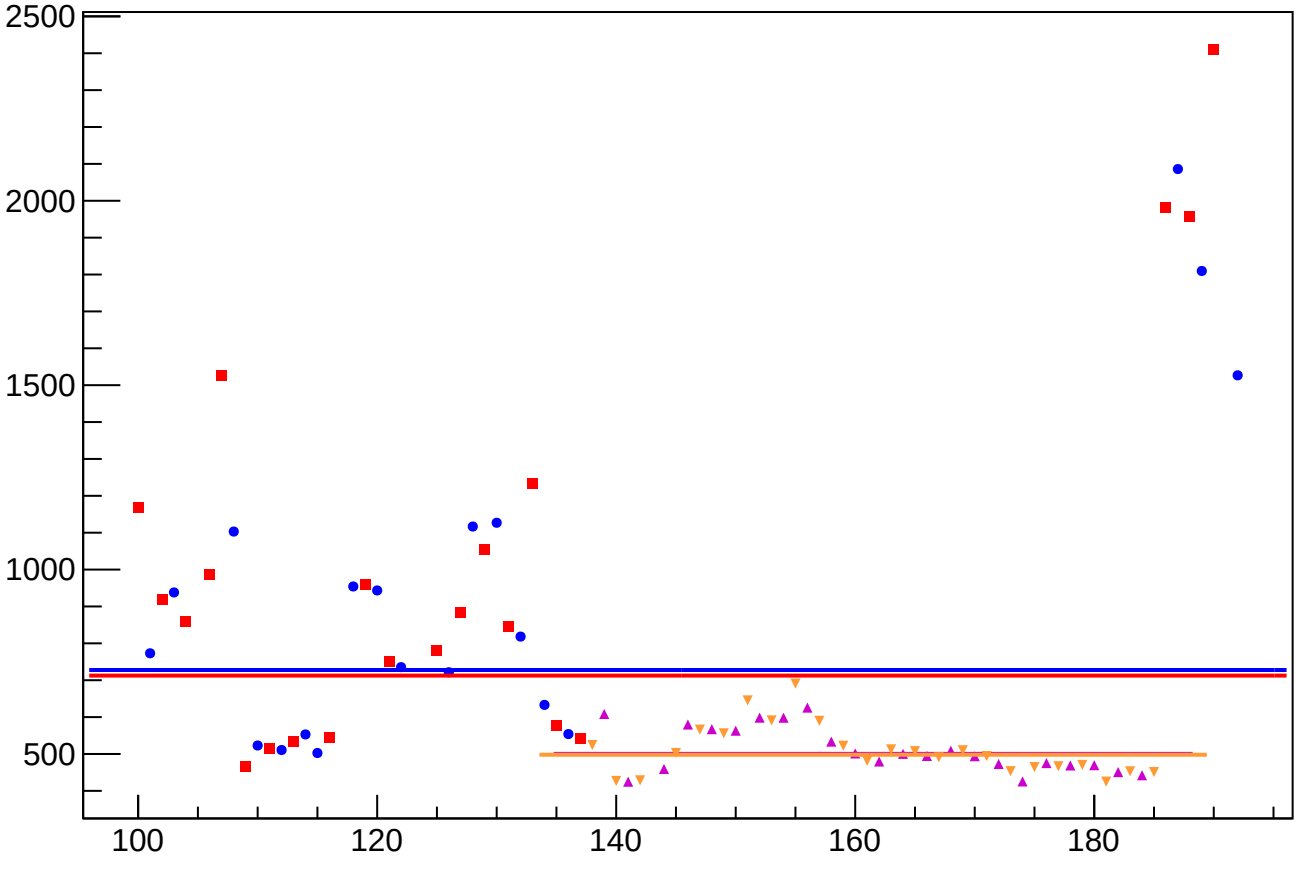
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -450.239+/-106.547 χ^2/NDF: 88.0/42

All: -305.464+/-75.589 χ^2/NDF: 134.0/86

- sign -158.760+/-107.255 χ^2/NDF: 42.3/43

asym_us_dd_reg_correction_rms vs Slug



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

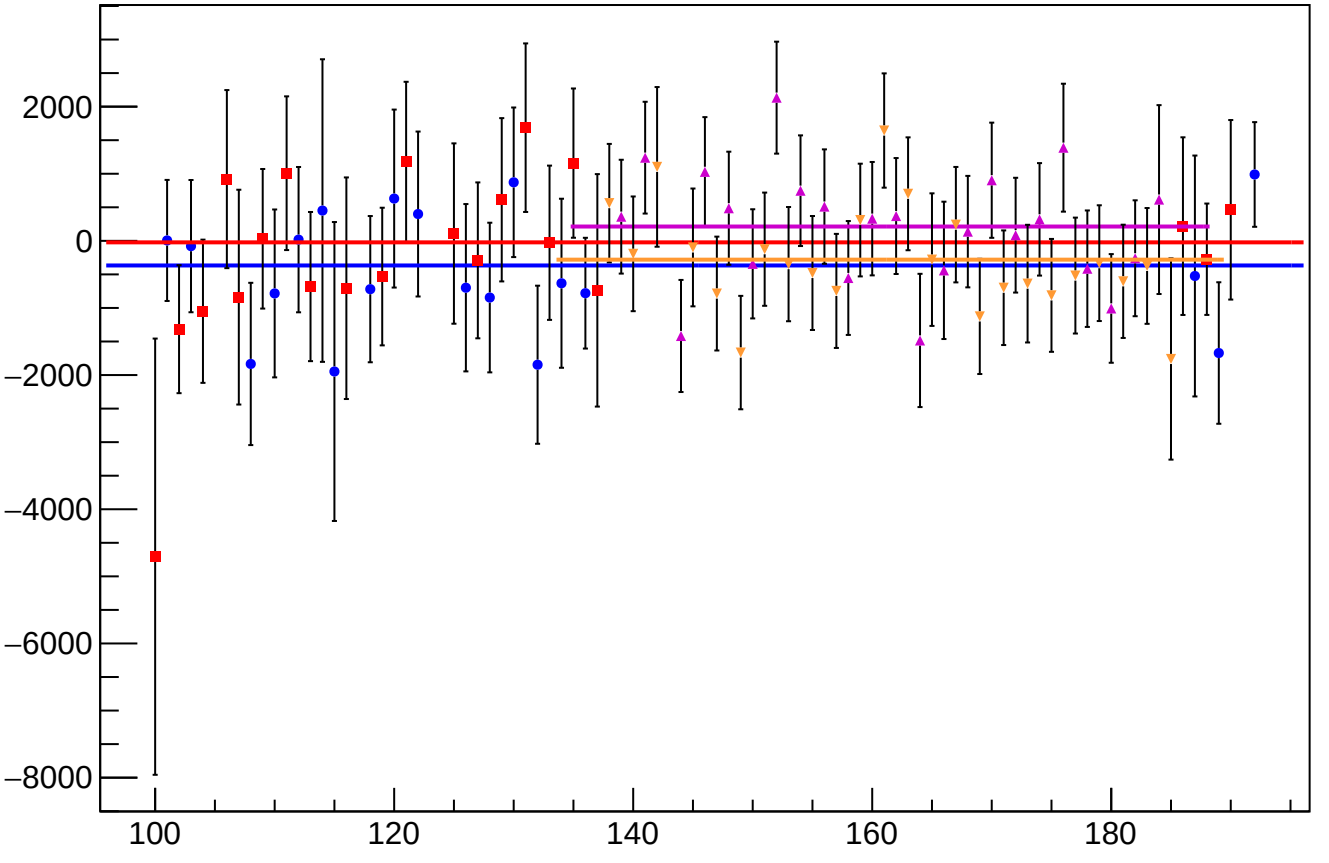
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 536.242+/-0.075 χ^2/NDF: 3956512.8/42

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

- sign 536.634+/-0.076 χ^2/NDF: 4374025.3/43

cor_asym_us_dd_mean vs Slug



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

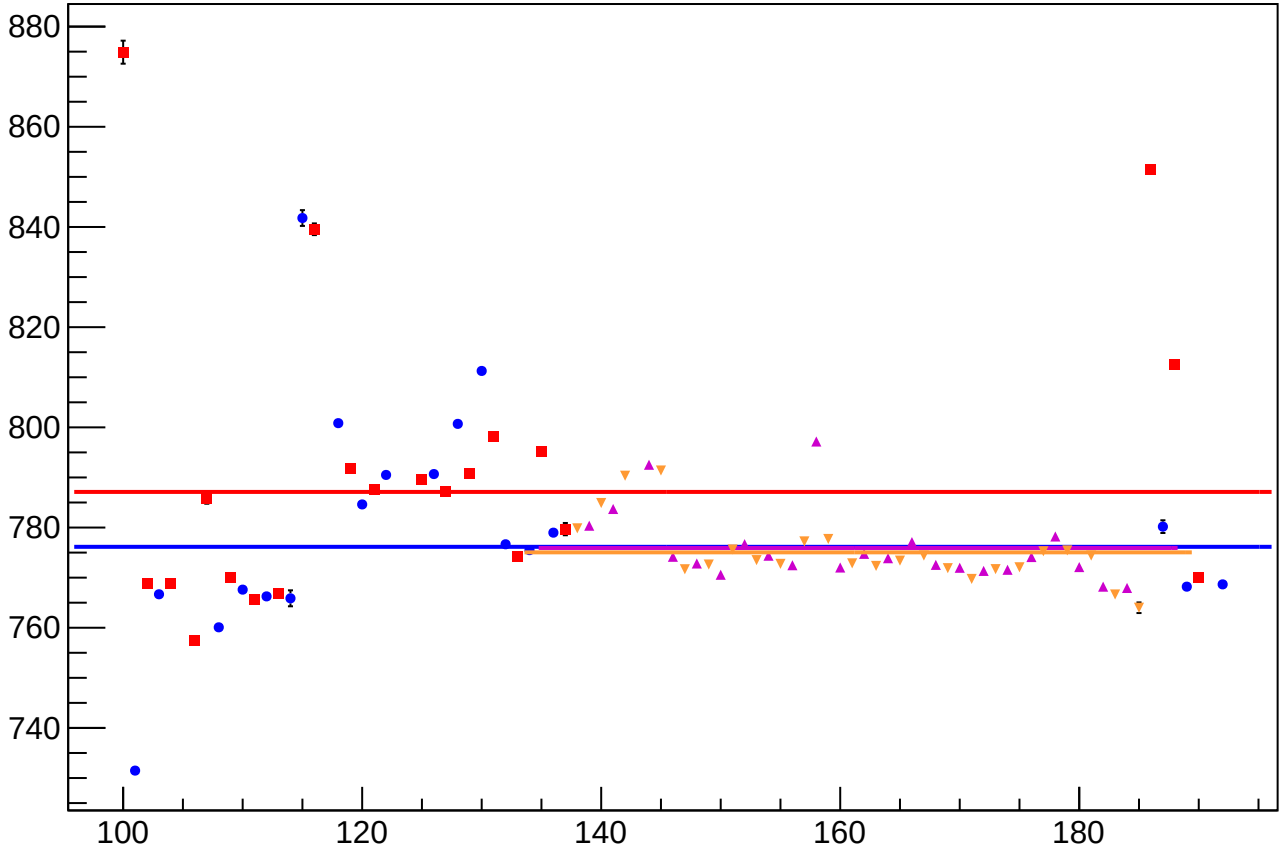
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -308.413+/-147.867 χ^2/NDF: 27.7/42

All: -87.321+/-104.924 χ^2/NDF: 67.1/86

- sign 136.894+/-148.908 χ^2/NDF: 34.9/43

cor_asym_us_dd_rms vs Slug



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

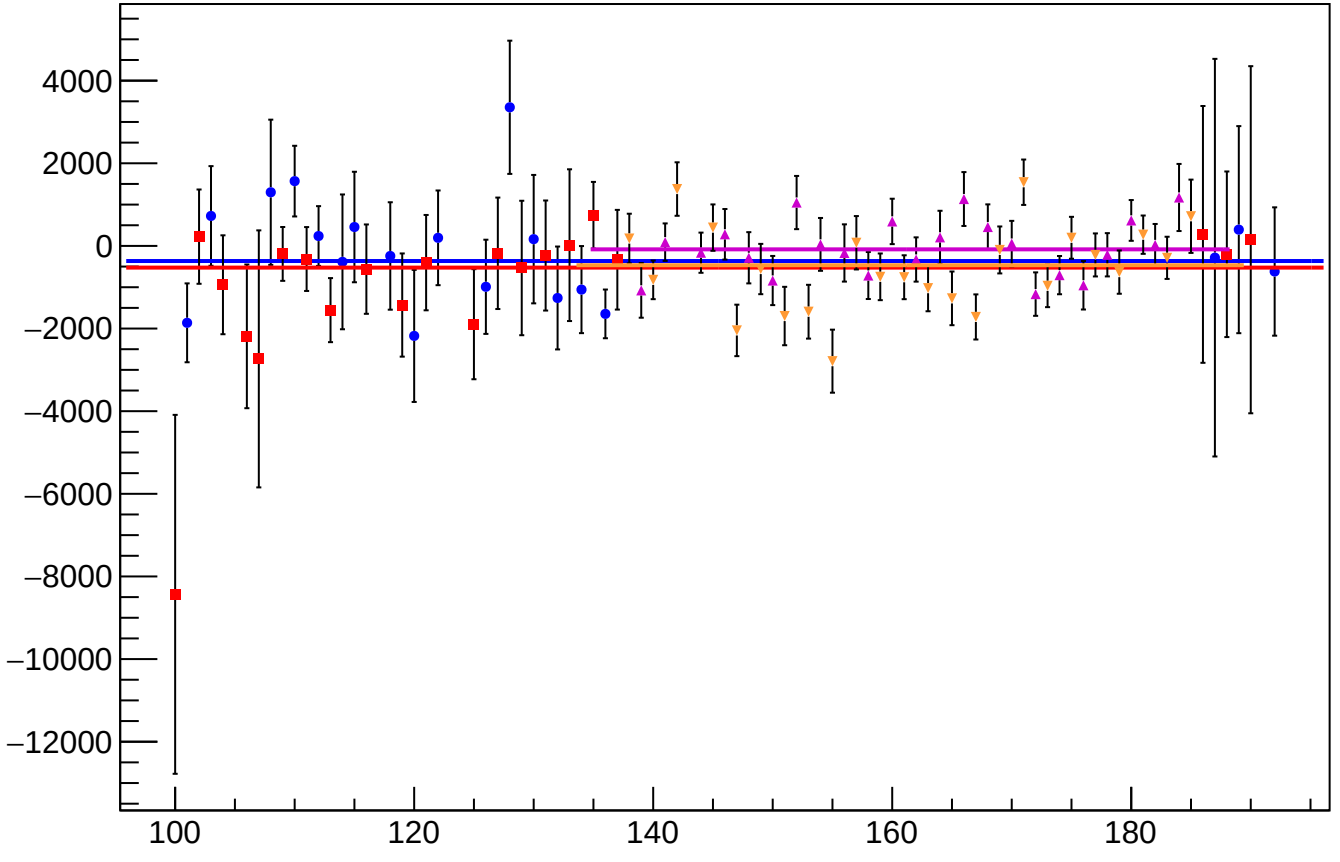
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 775.407+/-0.105 χ^2/NDF: 14395.1/42

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

- sign 779.553+/-0.105 χ^2/NDF: 20710.1/43

asym_us_dd_cor_correction_mean vs Slug



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

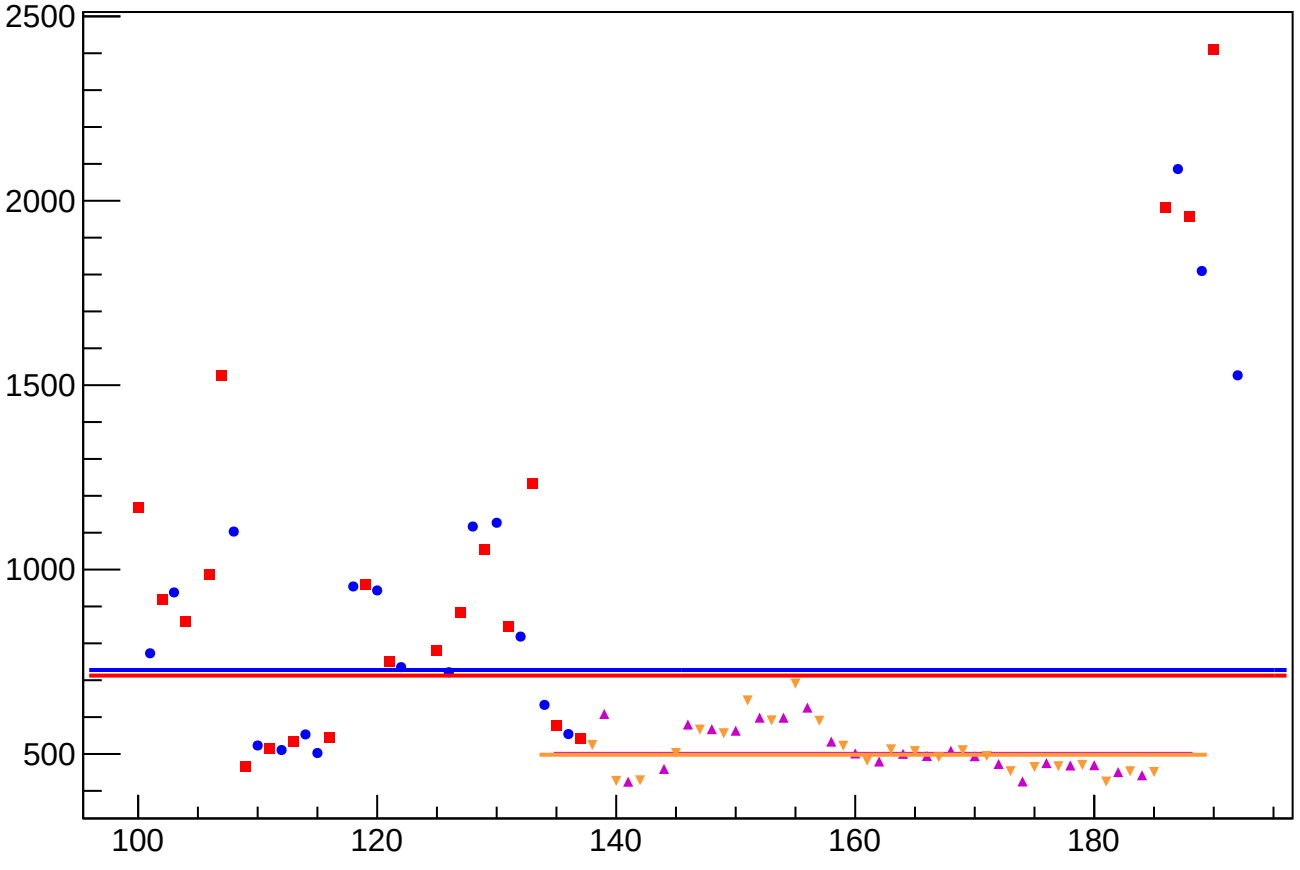
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -450.239+/-106.547 χ^2/NDF: 88.0/42

All: -305.464+/-75.589 χ^2/NDF: 134.0/86

- sign -158.760+/-107.255 χ^2/NDF: 42.3/43

asym_us_dd_cor_correction_rms vs Slug



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

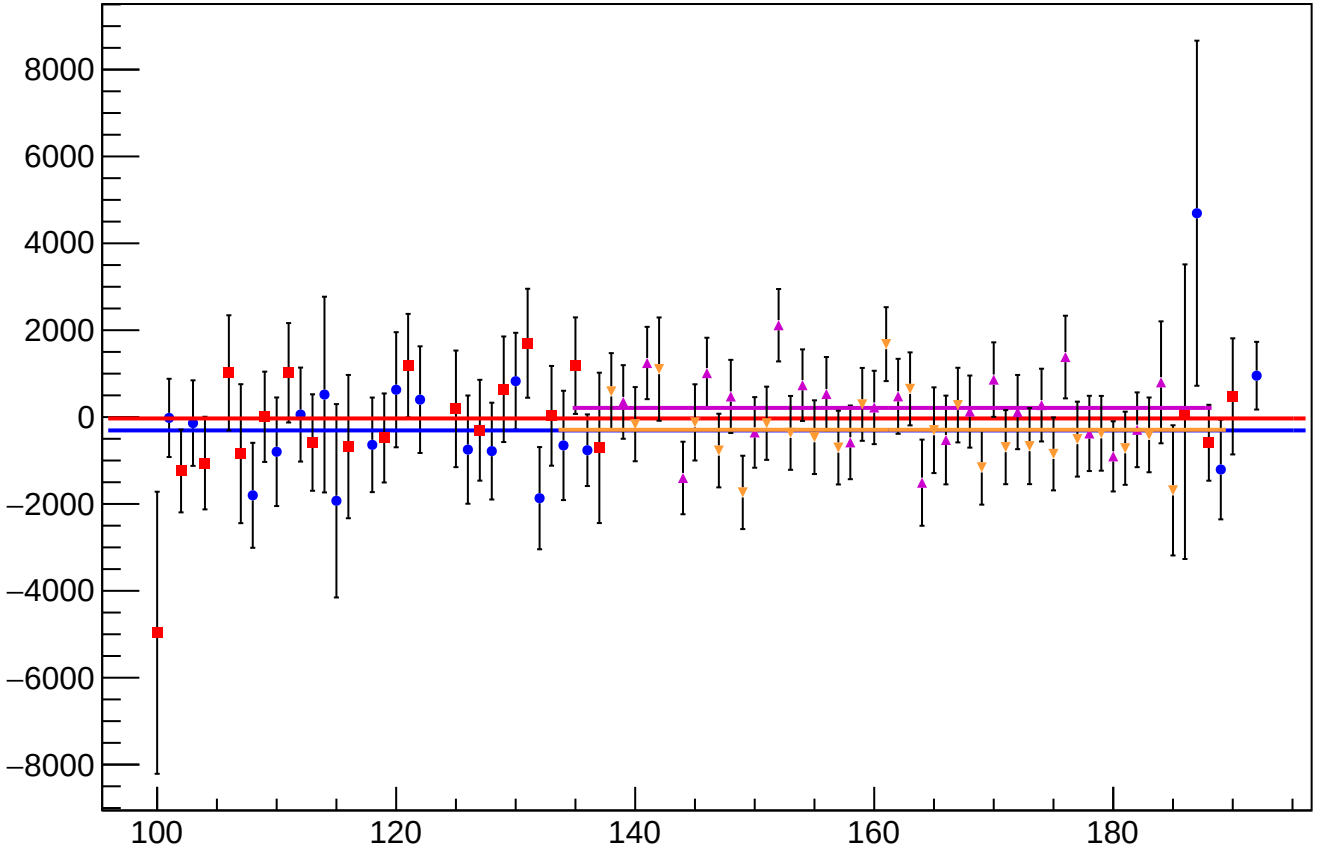
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 536.242+/-0.075 χ^2/NDF: 3956512.8/42

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

- sign 536.634+/-0.076 χ^2/NDF: 4374025.3/43

overload_cor_asym_us_dd_mean vs Slug



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

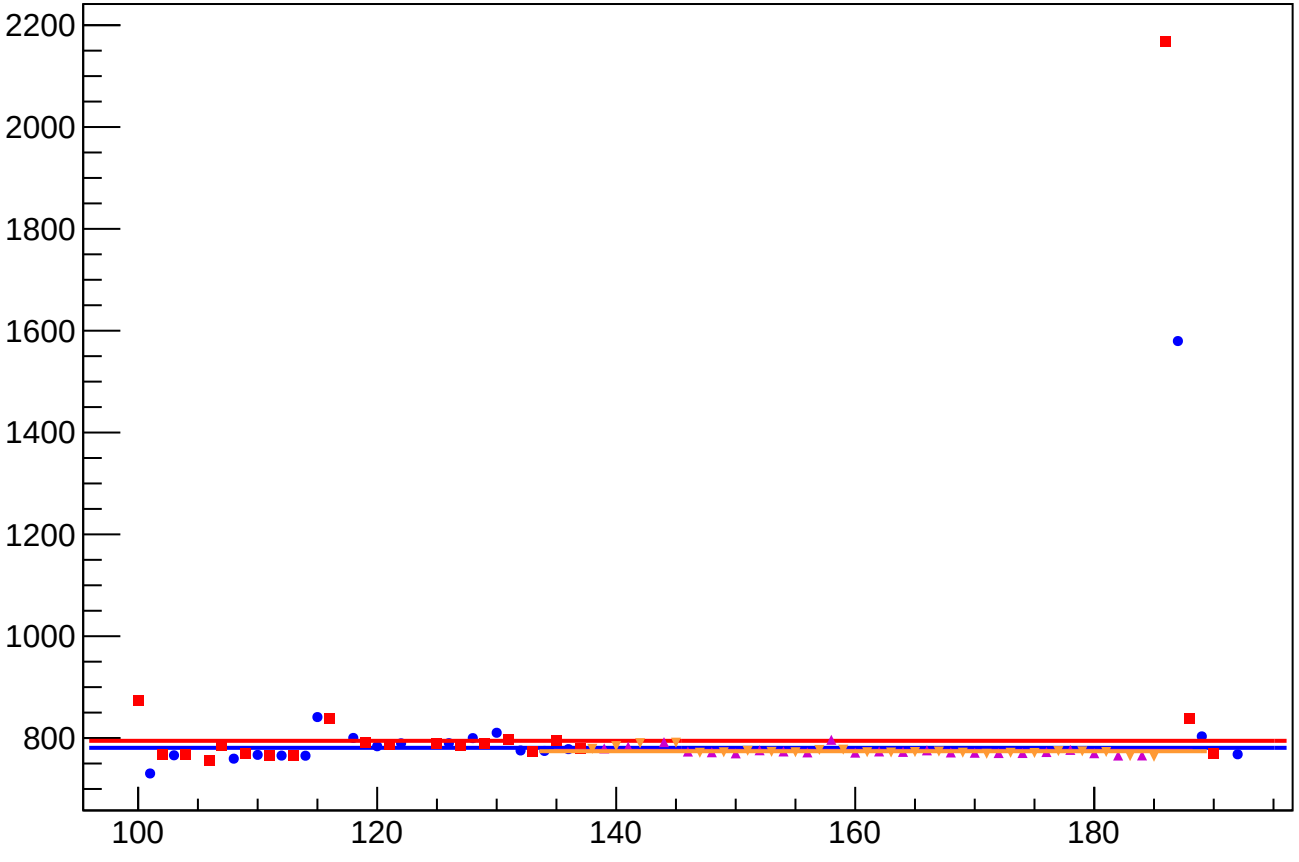
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -296.851+/-148.336 χ^2/NDF: 28.4/42

All: -83.106+/-105.399 χ^2/NDF: 67.7/86

- sign 134.849+/-149.789 χ^2/NDF: 35.1/43

overload_cor_asym_us_dd_rms vs Slug



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

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

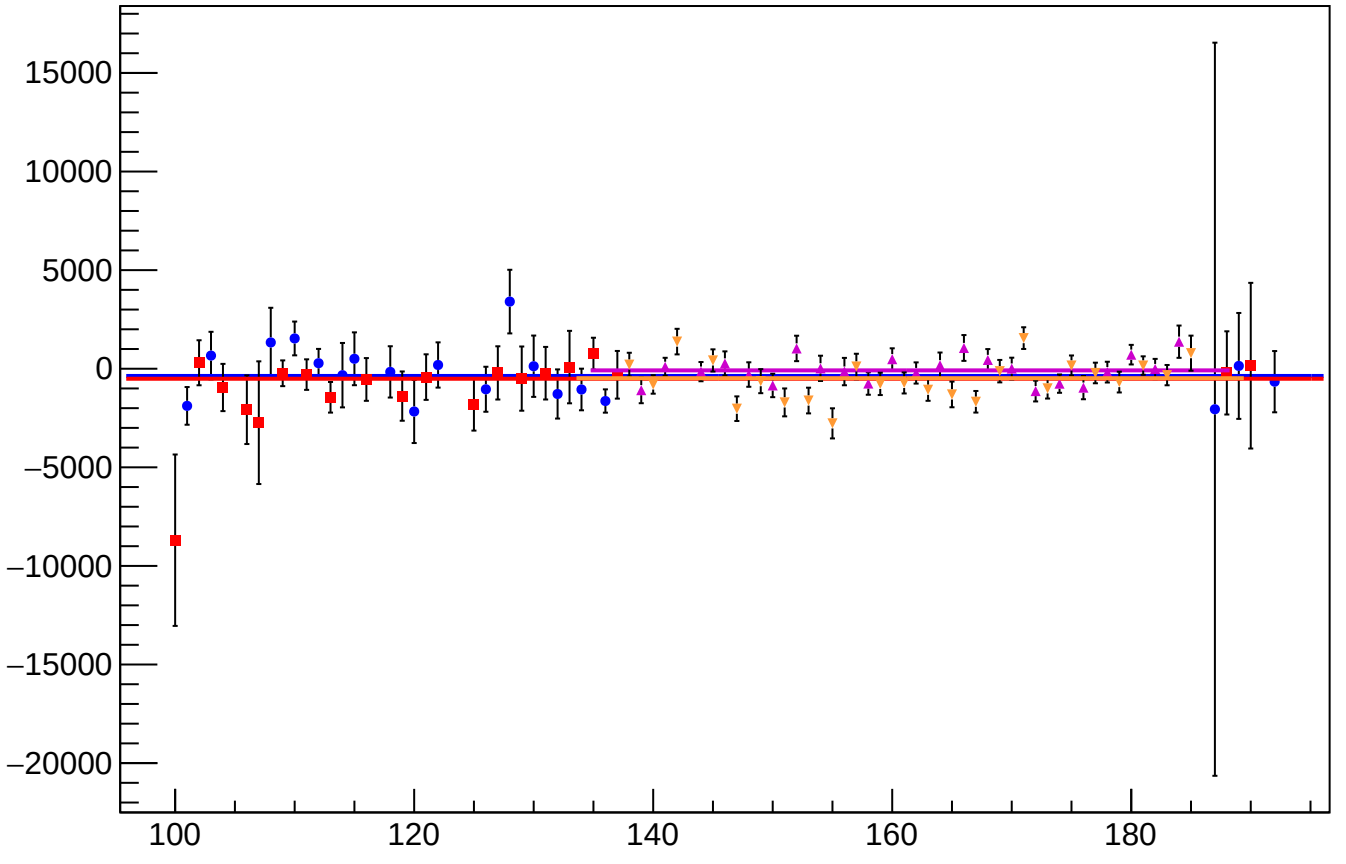
Right Out: 794.553+/-0.189 χ^2/NDF: 345387.2/20

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

+ sign 776.265+/-0.105 χ^2/NDF: 97615.9/42

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

- sign 781.147+/-0.106 χ^2/NDF: 355893.7/43



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

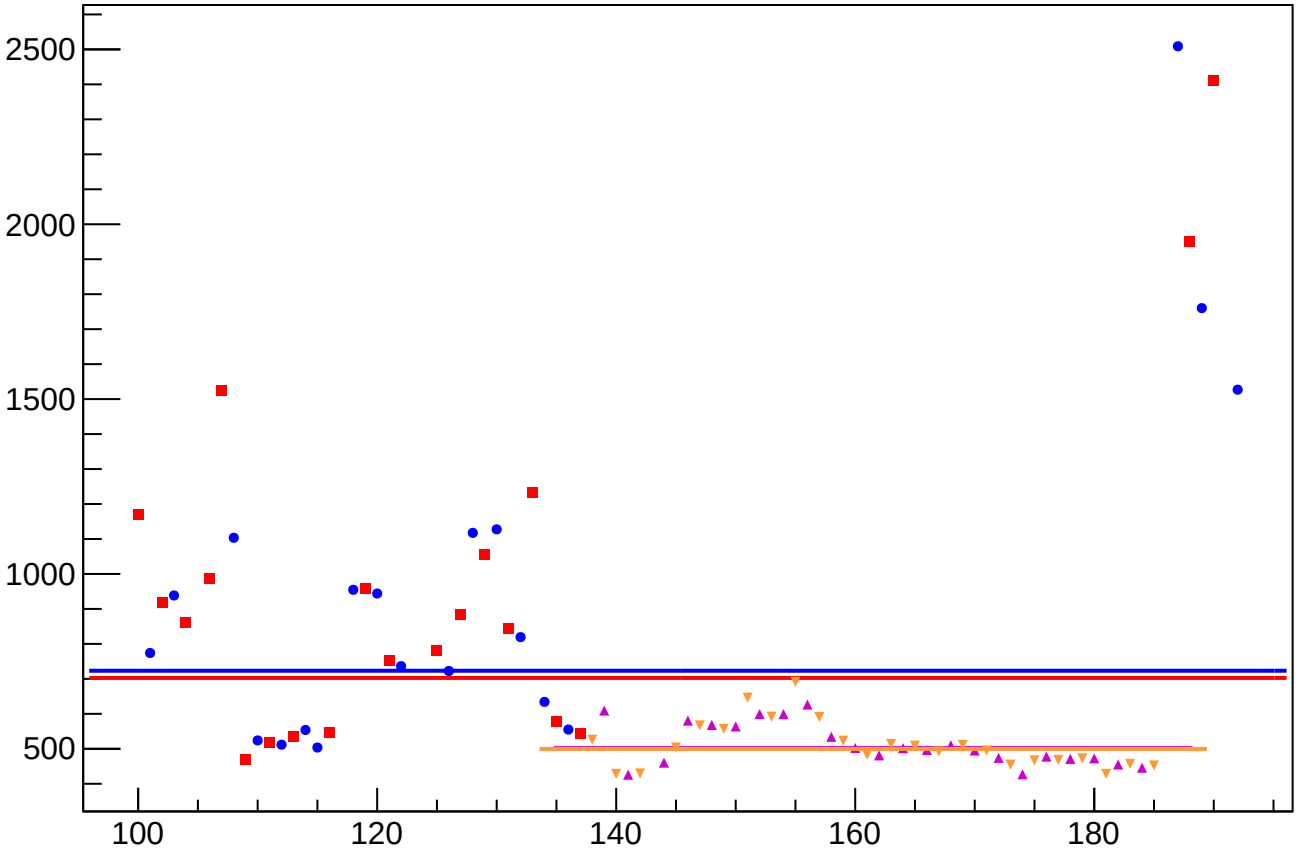
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -462.225+/-106.897 χ^2/NDF: 87.1/42

All: -309.995+/-75.853 χ^2/NDF: 133.1/85

- sign -155.607+/-107.653 χ^2/NDF: 41.9/42

asym_us_dd_overload_cor_correction_rms vs Slug



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

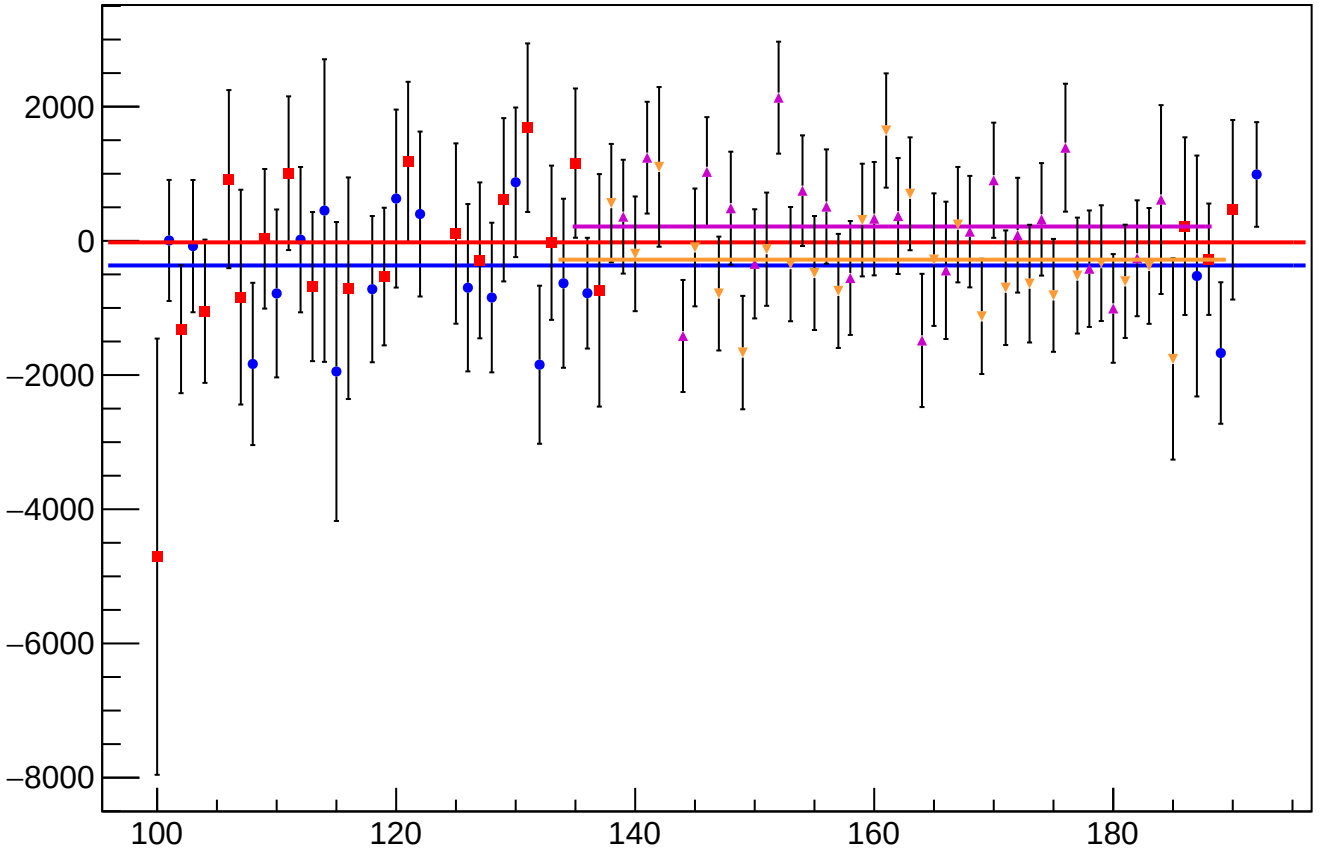
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 536.900+/-0.076 χ^2/NDF: 3643757.0/42

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

- sign 536.230+/-0.076 χ^2/NDF: 3809036.1/42

eigen_cor_asym_us_dd_mean vs Slug



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

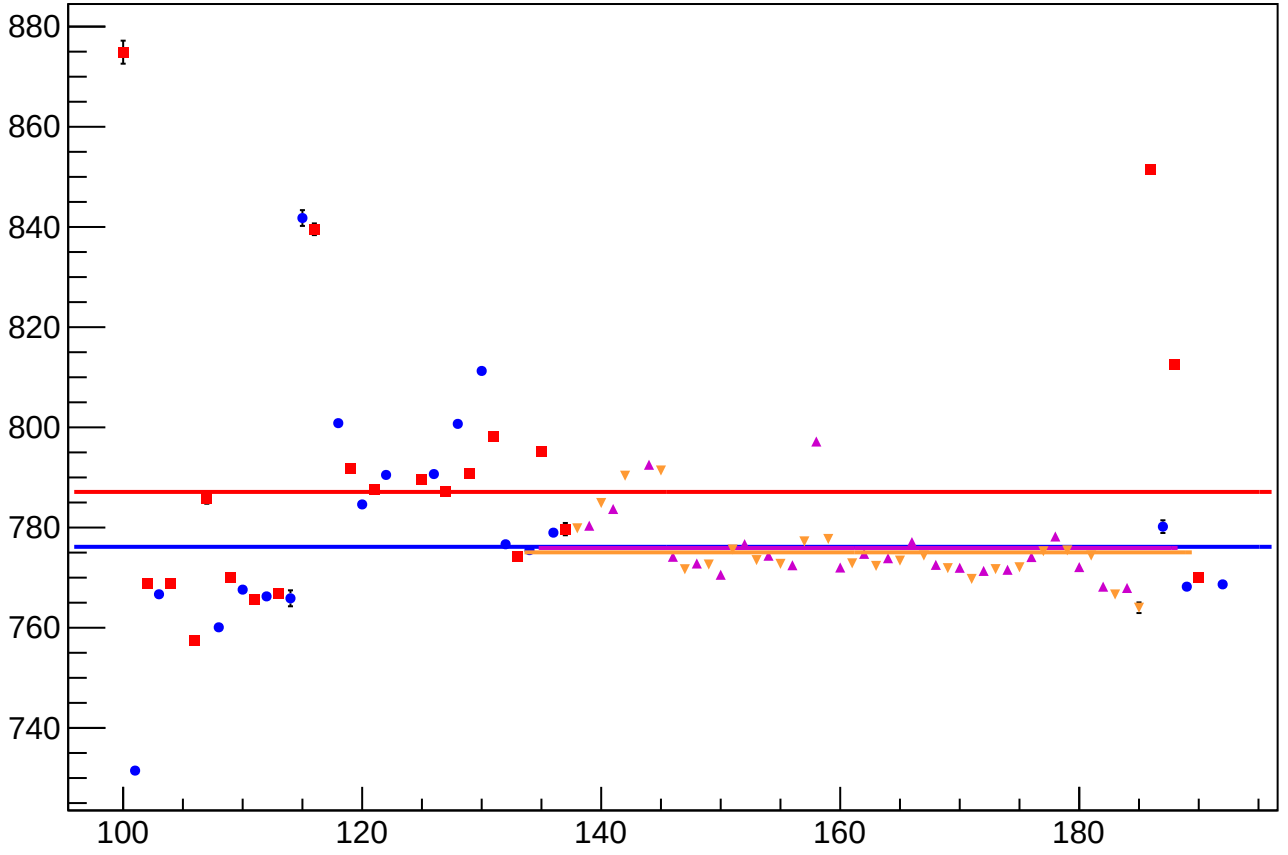
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -308.413+/-147.867 χ^2/NDF: 27.7/42

All: -87.321+/-104.924 χ^2/NDF: 67.1/86

- sign 136.894+/-148.908 χ^2/NDF: 34.9/43

eigen_cor_asym_us_dd_rms vs Slug



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

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

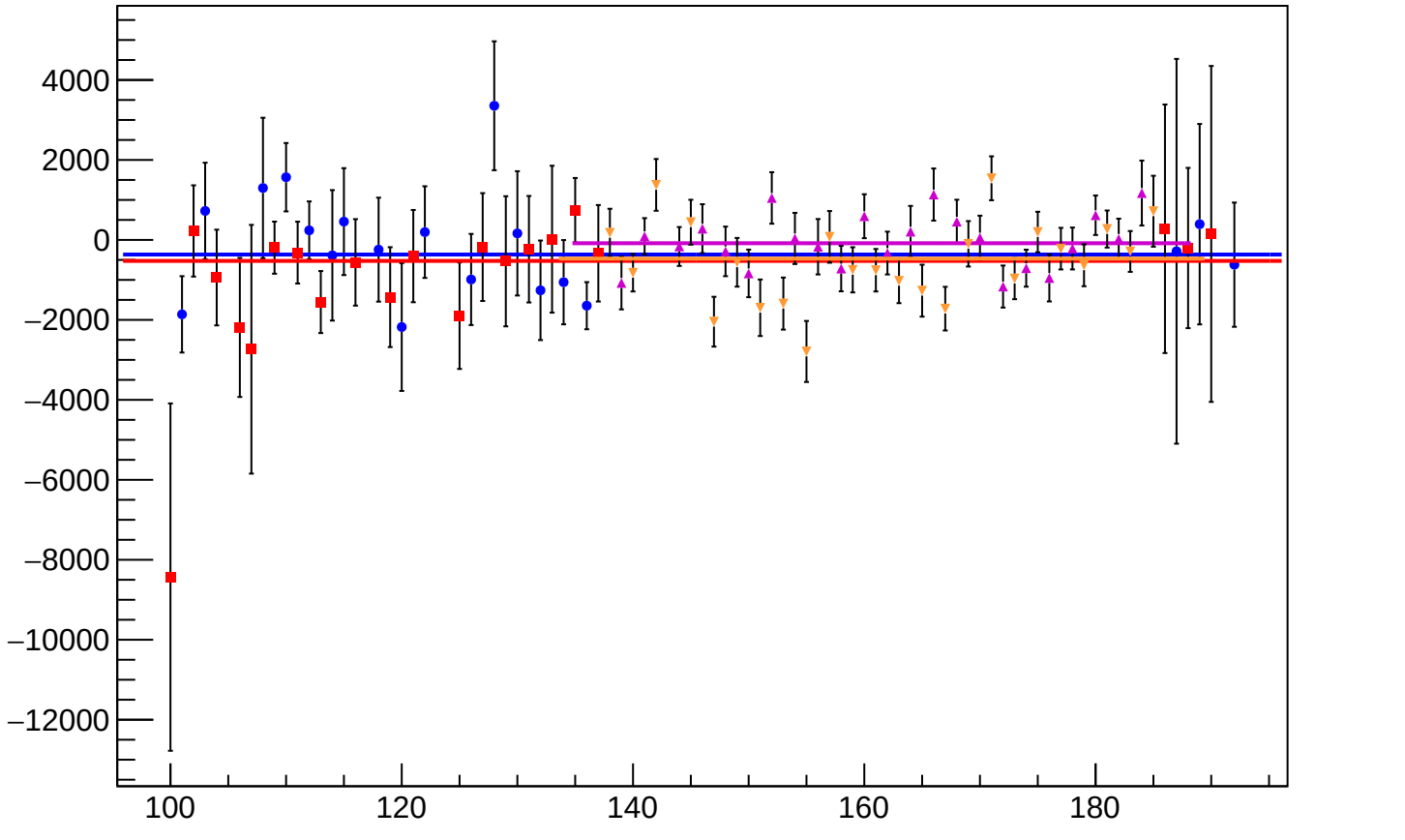
Right Out: 787.113+/-0.185 χ^2/NDF: 15261.3/20

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

+ sign 775.407+/-0.105 χ^2/NDF: 14395.1/42

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

- sign 779.553+/-0.105 χ^2/NDF: 20710.1/43



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

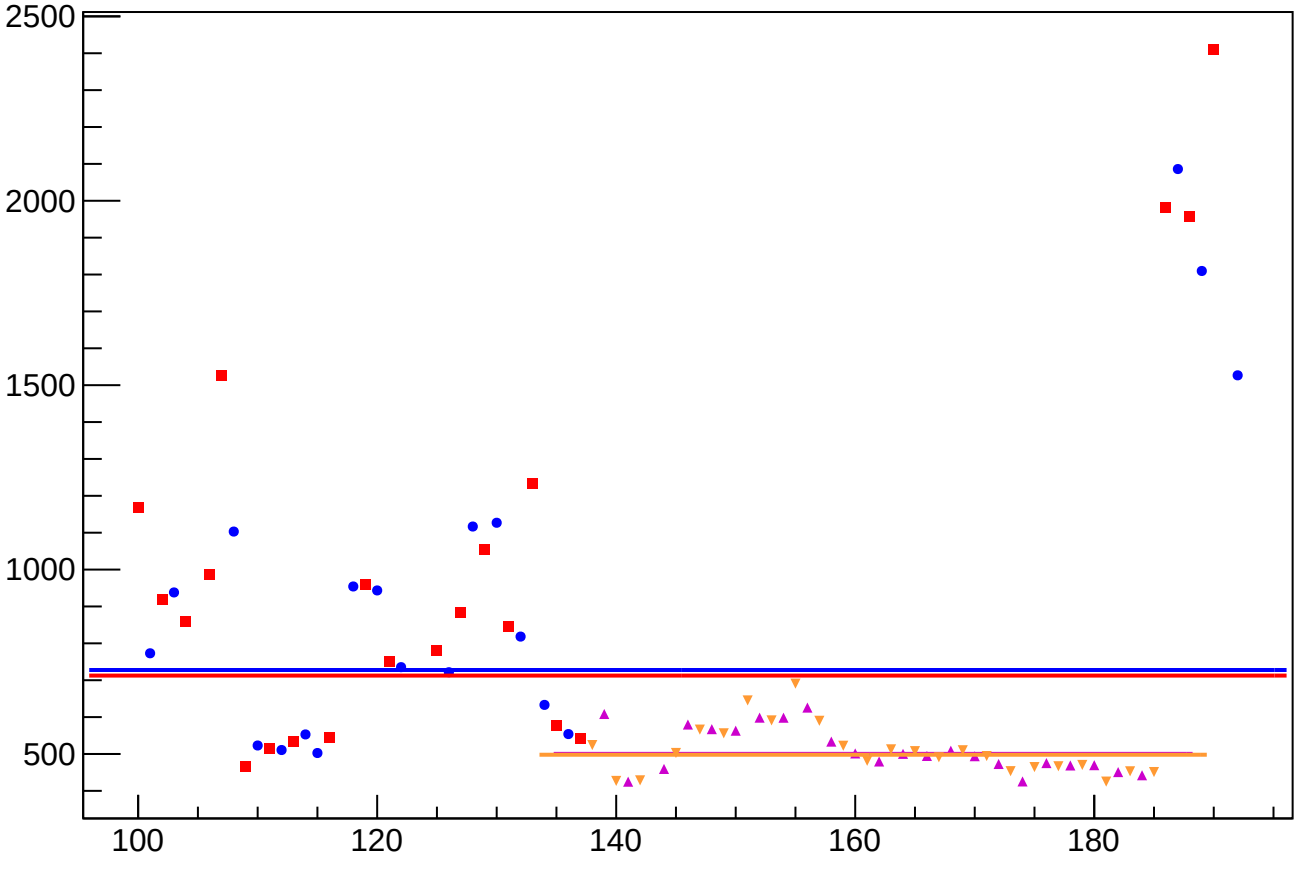
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -450.239+/-106.547 χ^2/NDF: 88.0/42

All: -305.464+/-75.589 χ^2/NDF: 134.0/86

- sign -158.760+/-107.255 χ^2/NDF: 42.3/43

asym_us_dd_eigen_cor_correction_rms vs Slug



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

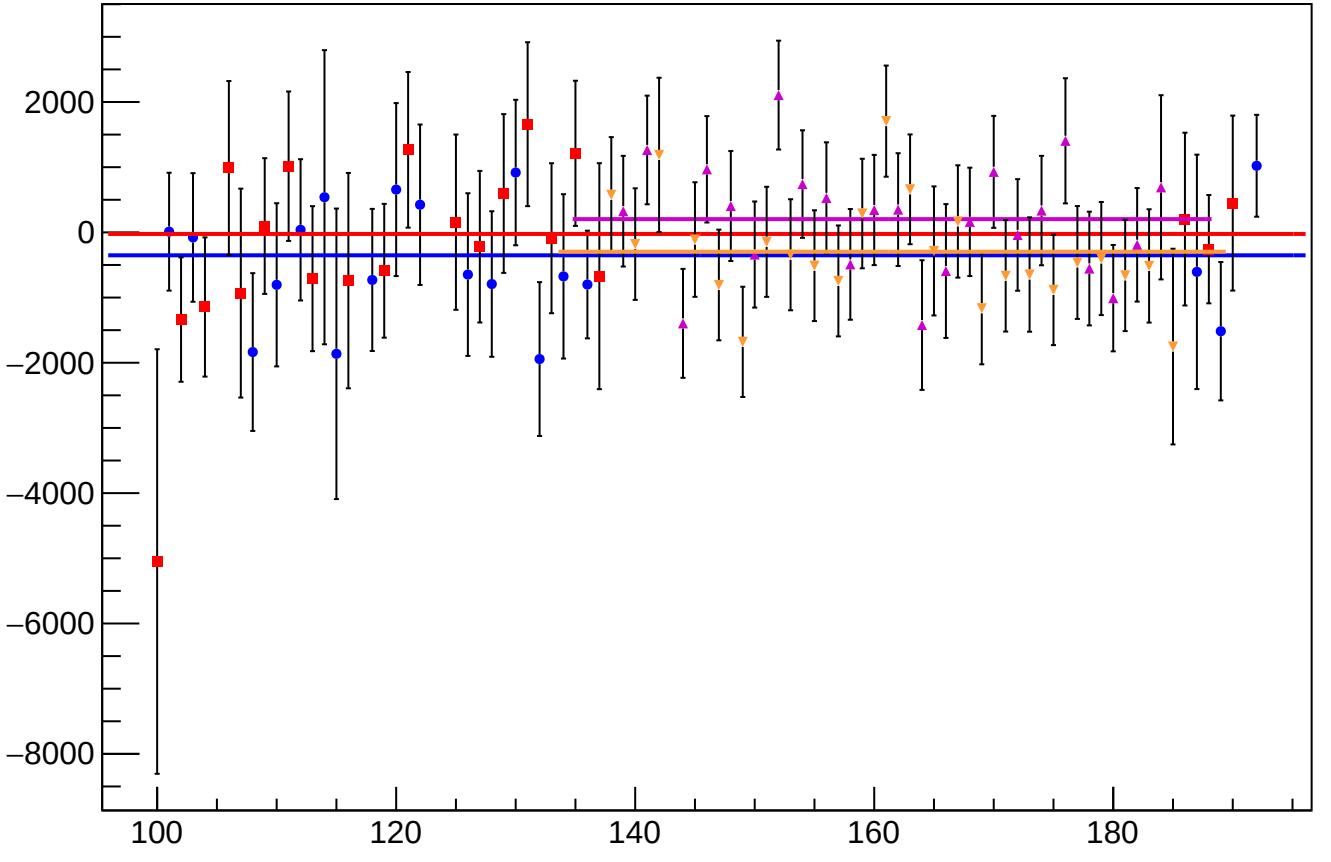
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 536.242+/-0.075 χ^2/NDF: 3956512.8/42

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

- sign 536.634+/-0.076 χ^2/NDF: 4374025.3/43

dit_asym_us_dd_mean vs Slug



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

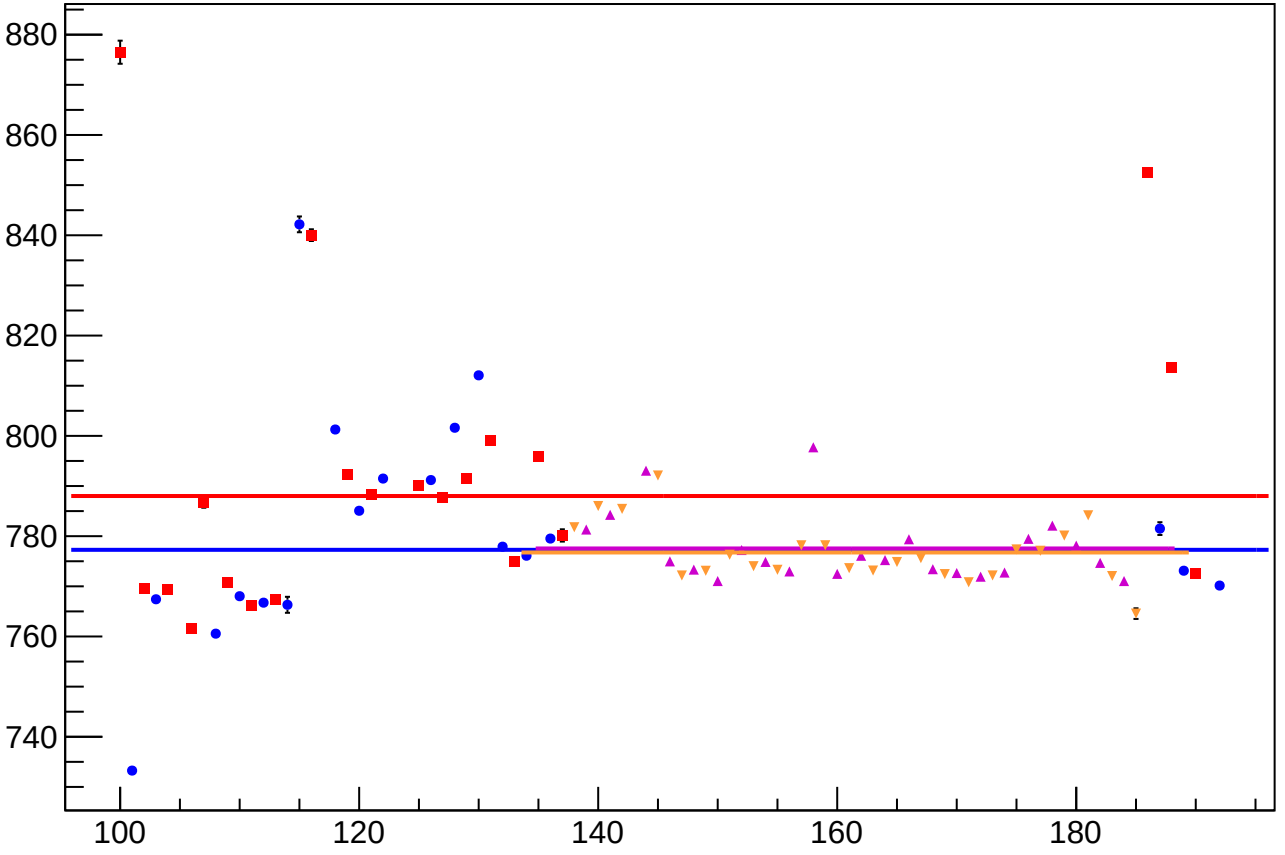
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

\+ sign -314.580+/-148.158 χ^2/NDF: 28.4/42

All: -94.104+/-105.121 χ^2/NDF: 68.4/86

\- sign 129.405+/-149.173 χ^2/NDF: 35.5/43

dit_asym_us_dd_rms vs Slug



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

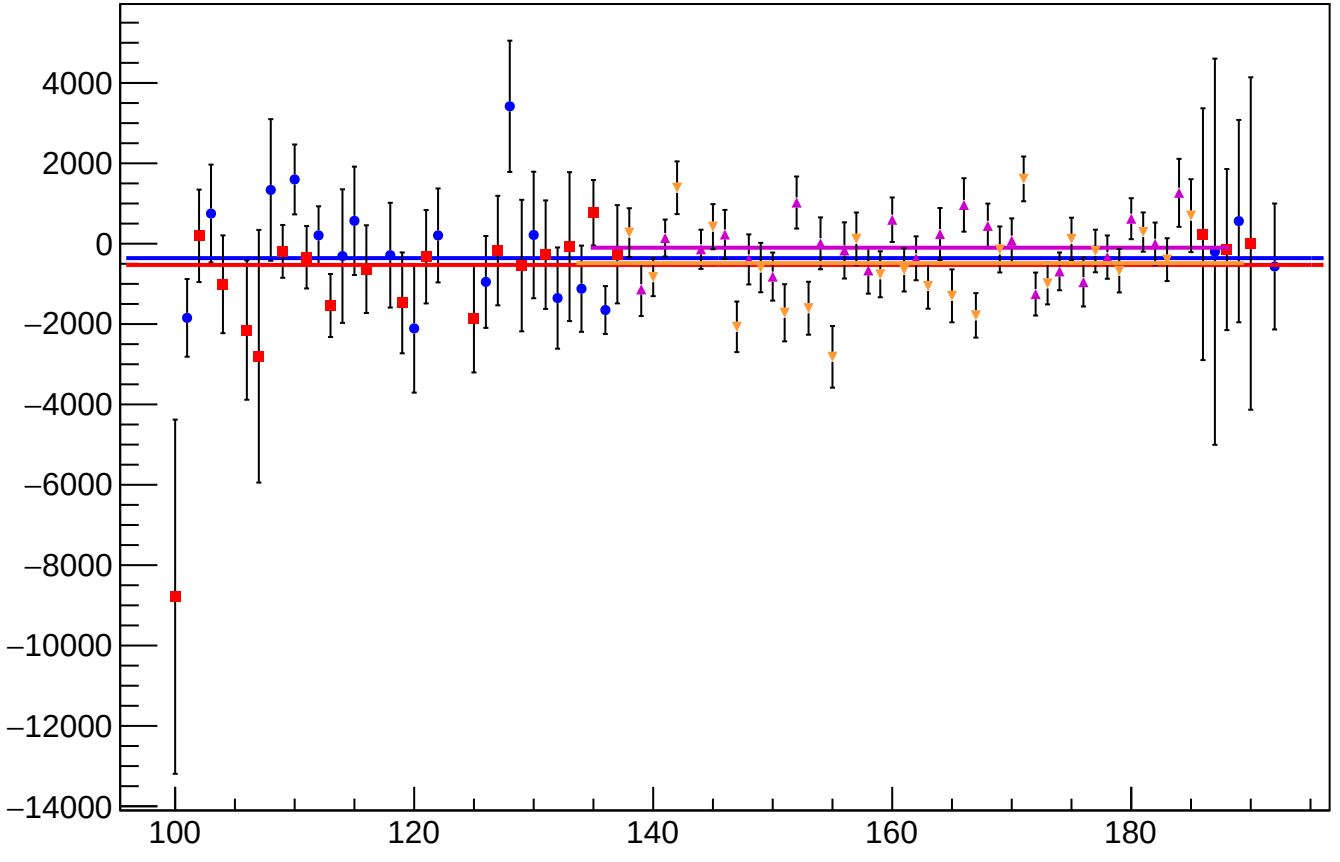
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 776.922+/-0.105 χ^2/NDF: 13868.4/42

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

- sign 780.947+/-0.105 χ^2/NDF: 20004.7/43

asym_us_dd_dit_correction_mean vs Slug



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

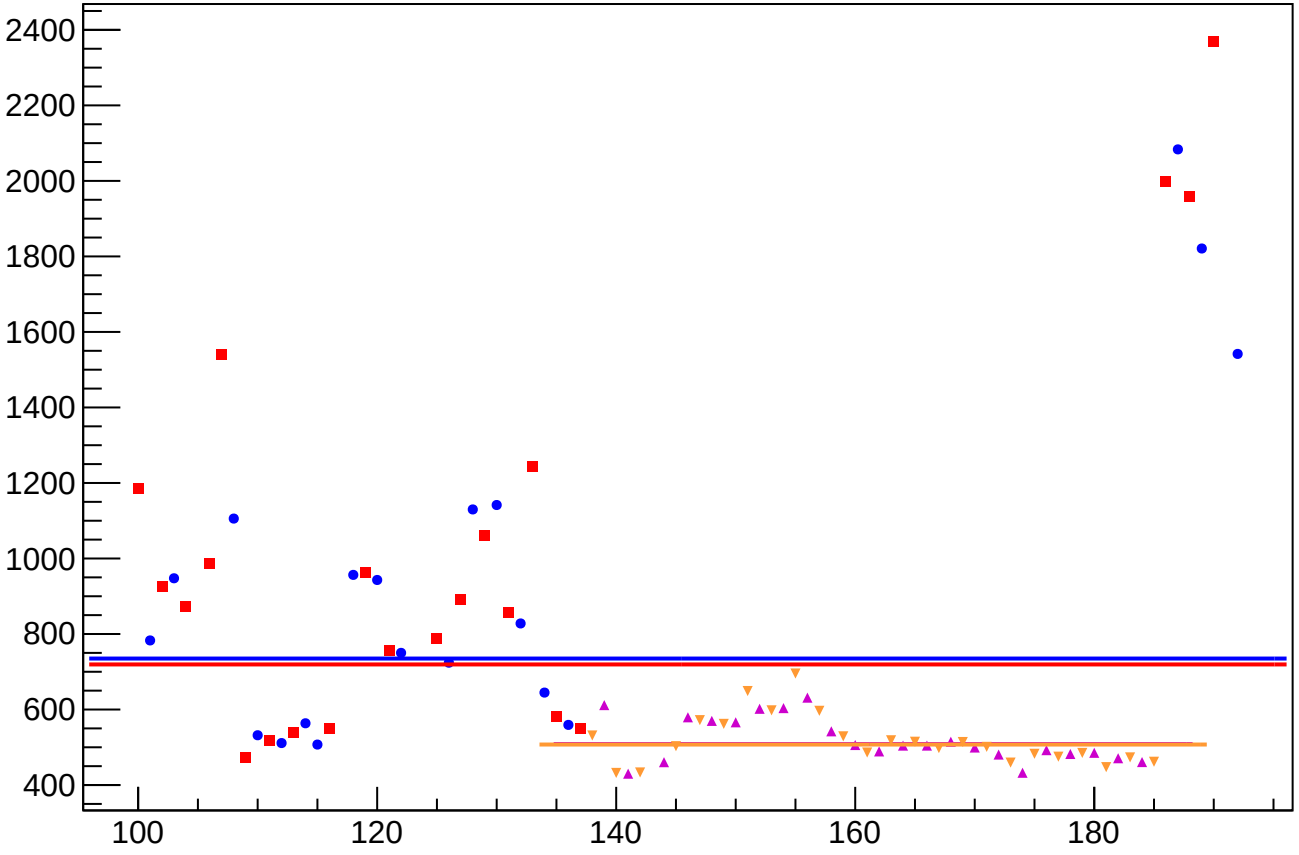
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -461.980+/-108.310 χ^2/NDF: 88.8/42

All: -318.761+/-76.768 χ^2/NDF: 133.8/86

- sign -174.179+/-108.824 χ^2/NDF: 41.5/43

asym_us_dd_dit_correction_rms vs Slug



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

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

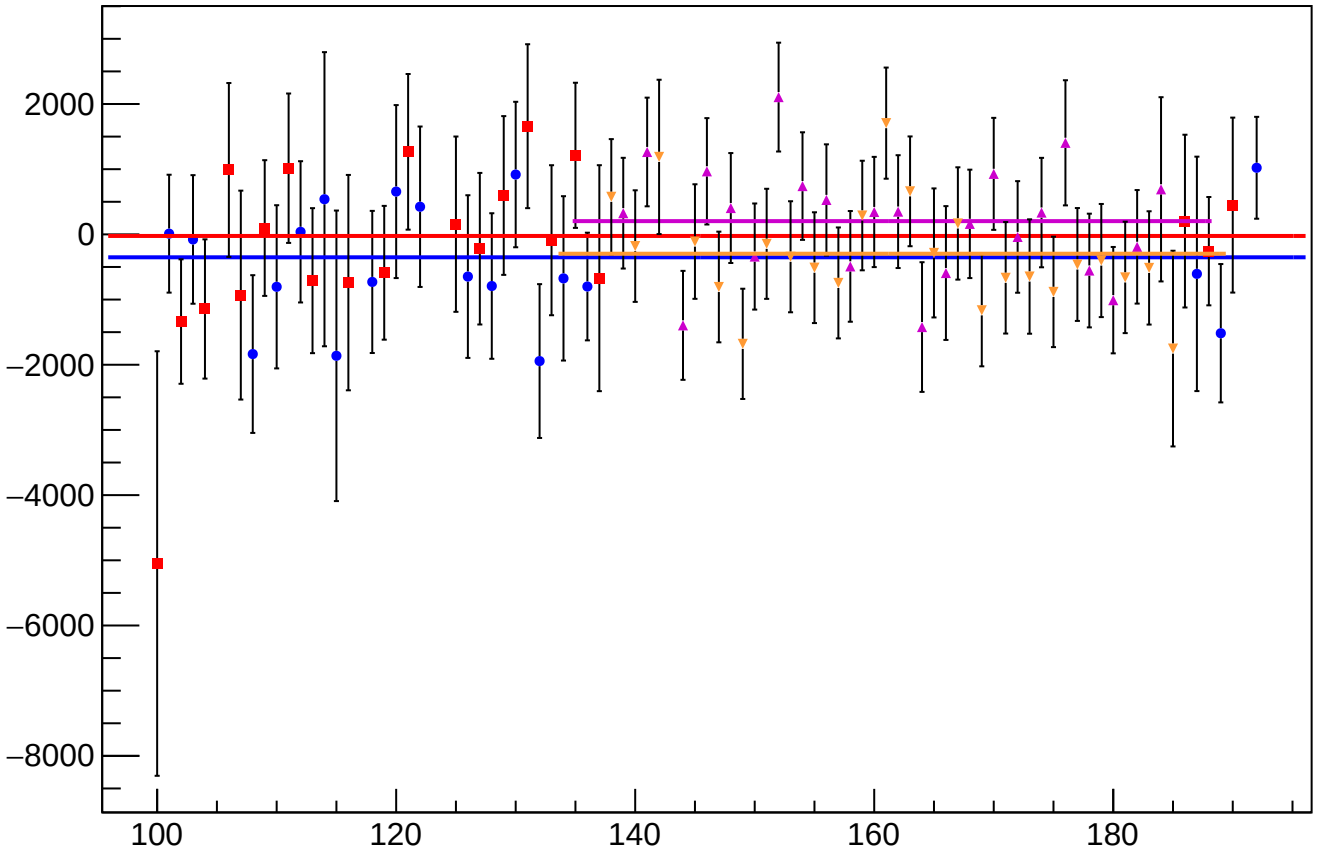
Right Out: 719.400+/-0.185 χ^2/NDF: 2767343.0/20

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

\+ sign 545.770+/-0.077 χ^2/NDF: 3849141.8/42

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

\- sign 545.129+/-0.077 χ^2/NDF: 4273744.6/43



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

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

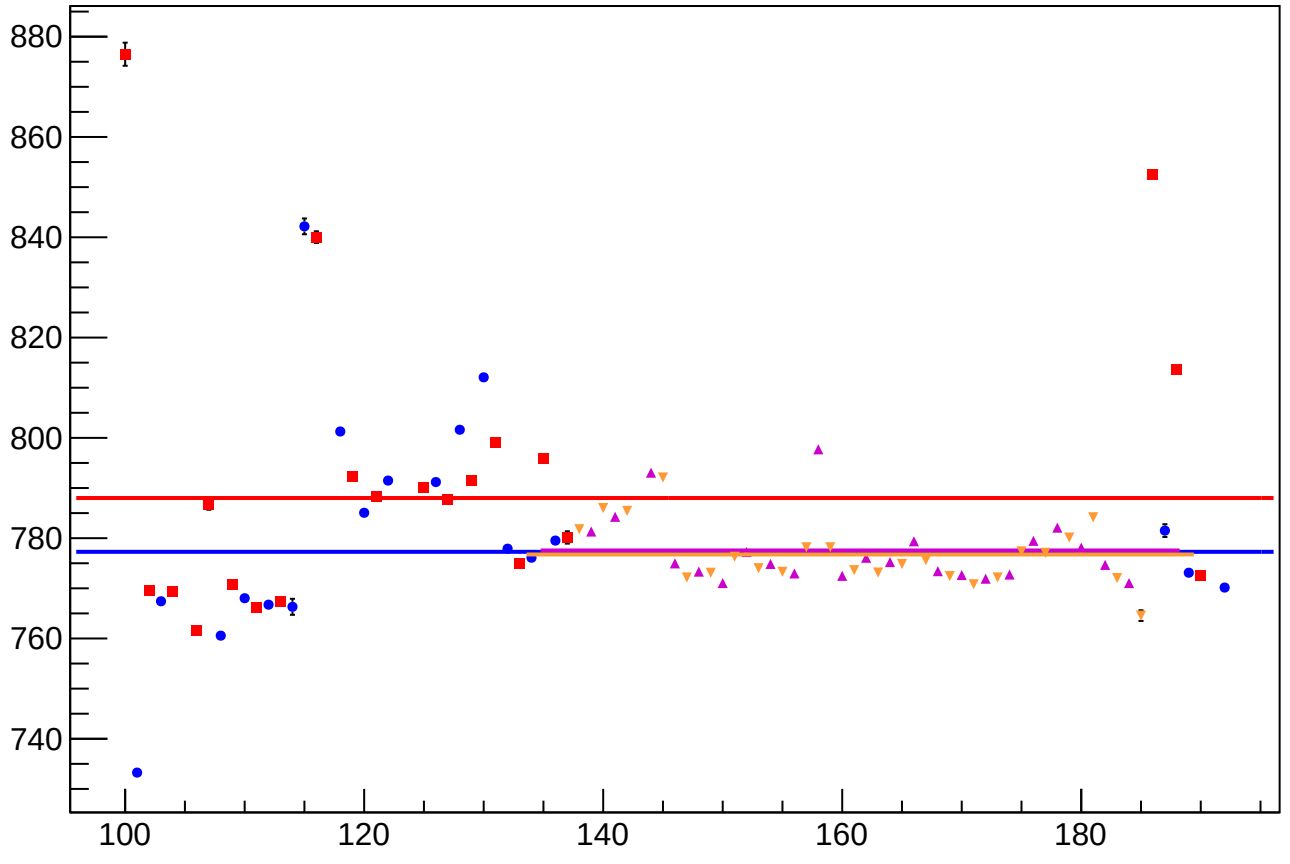
Right Out: -24.251+/-261.727 χ^2/NDF: 12.9/20

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

+ sign -314.581+/-148.158 χ^2/NDF: 28.4/42

All: -94.104+/-105.121 χ^2/NDF: 68.4/86

- sign 129.405+/-149.173 χ^2/NDF: 35.5/43



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

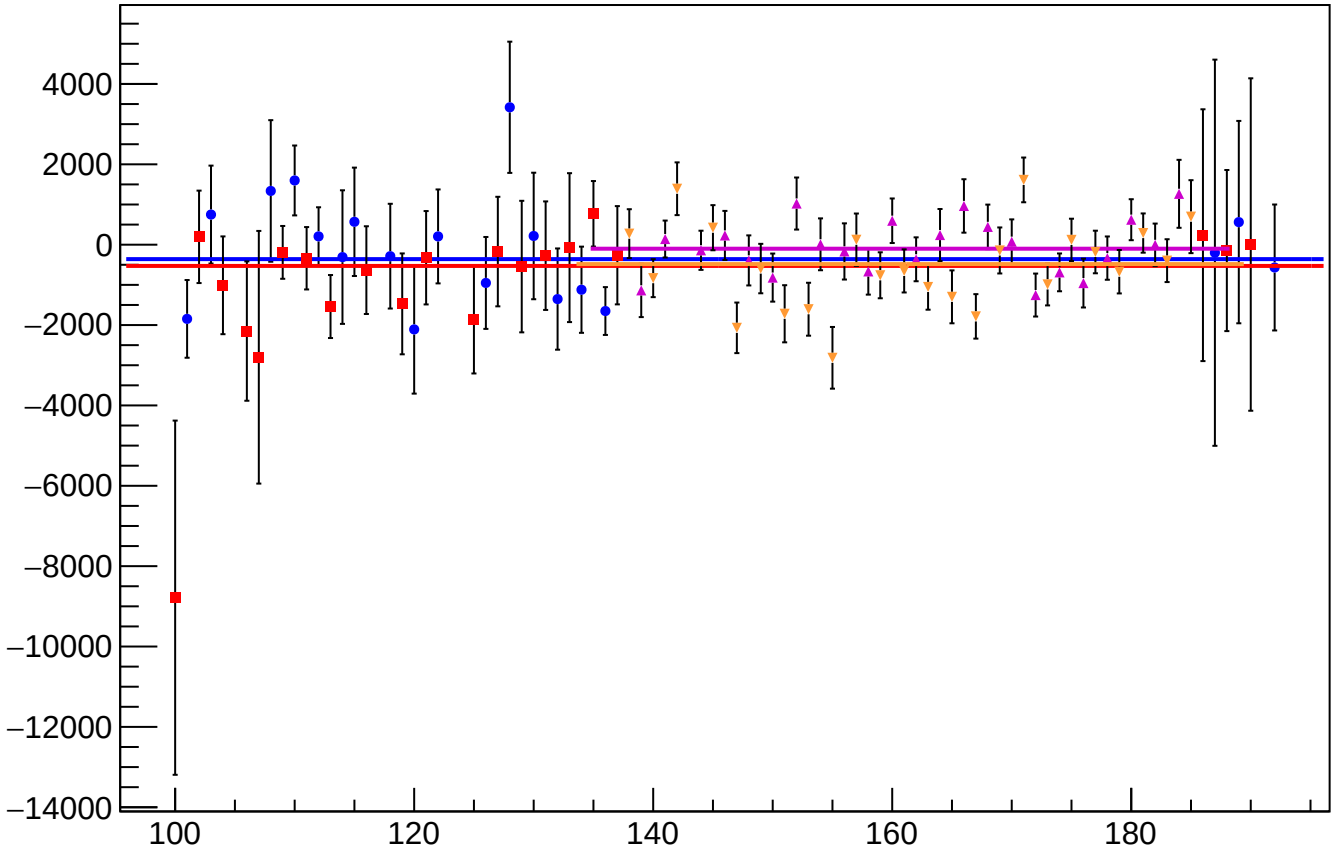
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 776.922+/-0.105 χ^2/NDF: 13868.4/42

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

- sign 780.947+/-0.105 χ^2/NDF: 20004.6/43

asym_us_dd_eigen_dit_correction_mean vs Slug



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

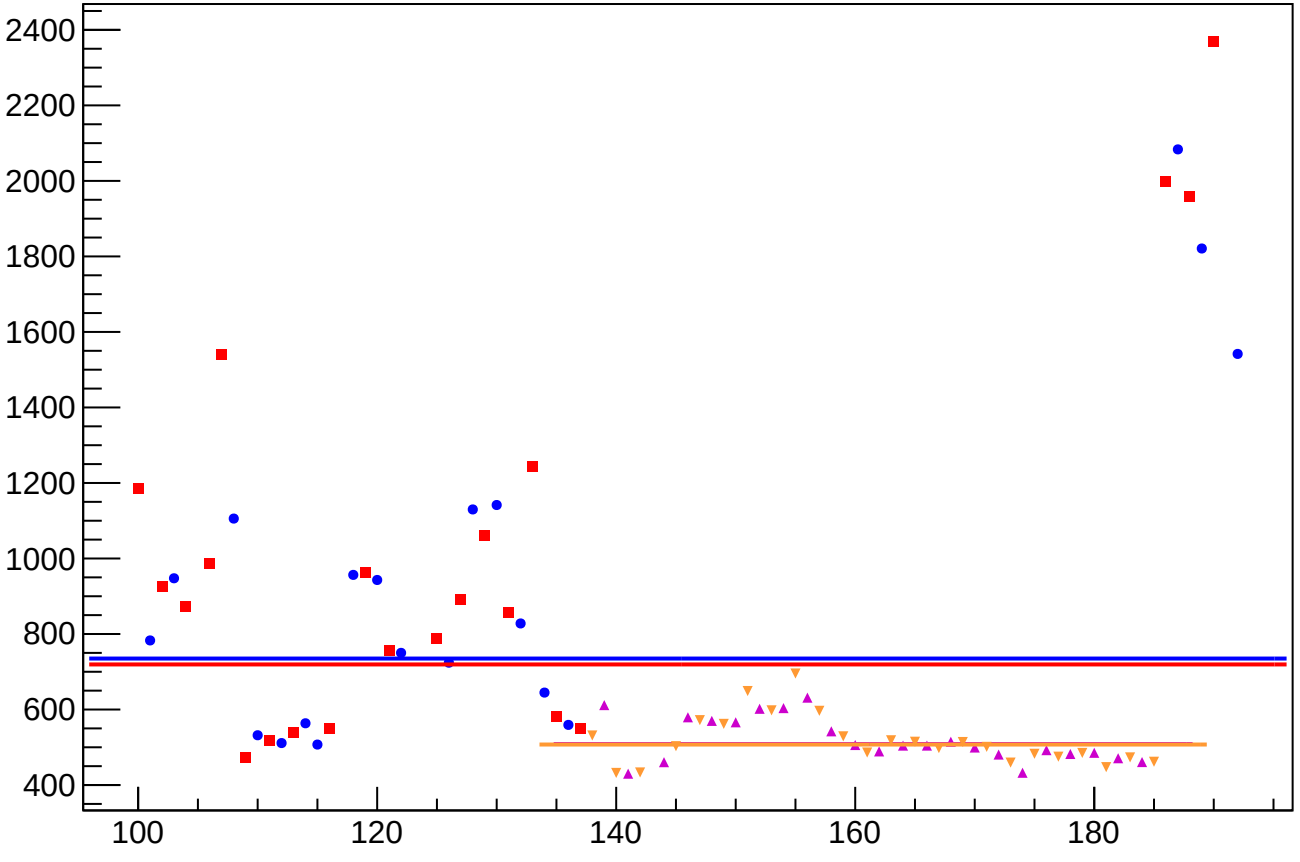
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -461.979+/-108.310 χ^2/NDF: 88.8/42

All: -318.760+/-76.768 χ^2/NDF: 133.8/86

- sign -174.179+/-108.824 χ^2/NDF: 41.5/43

asym_us_dd_eigen_dit_correction_rms vs Slug



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

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

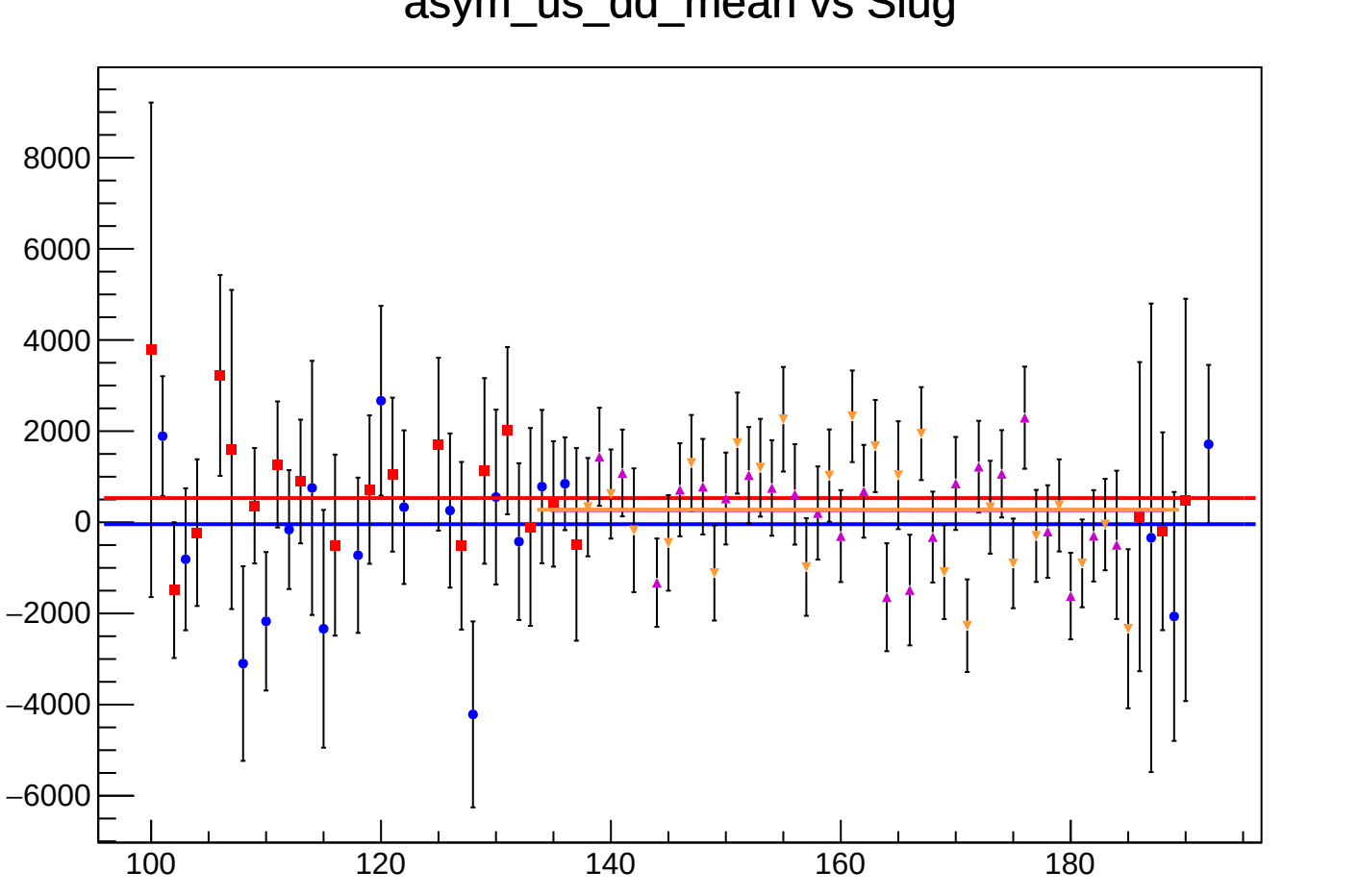
Right Out: 719.396+/-0.185 χ^2/NDF: 2767367.6/20

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

+ sign 545.769+/-0.077 χ^2/NDF: 3849134.0/42

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

- sign 545.129+/-0.077 χ^2/NDF: 4273756.5/43



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

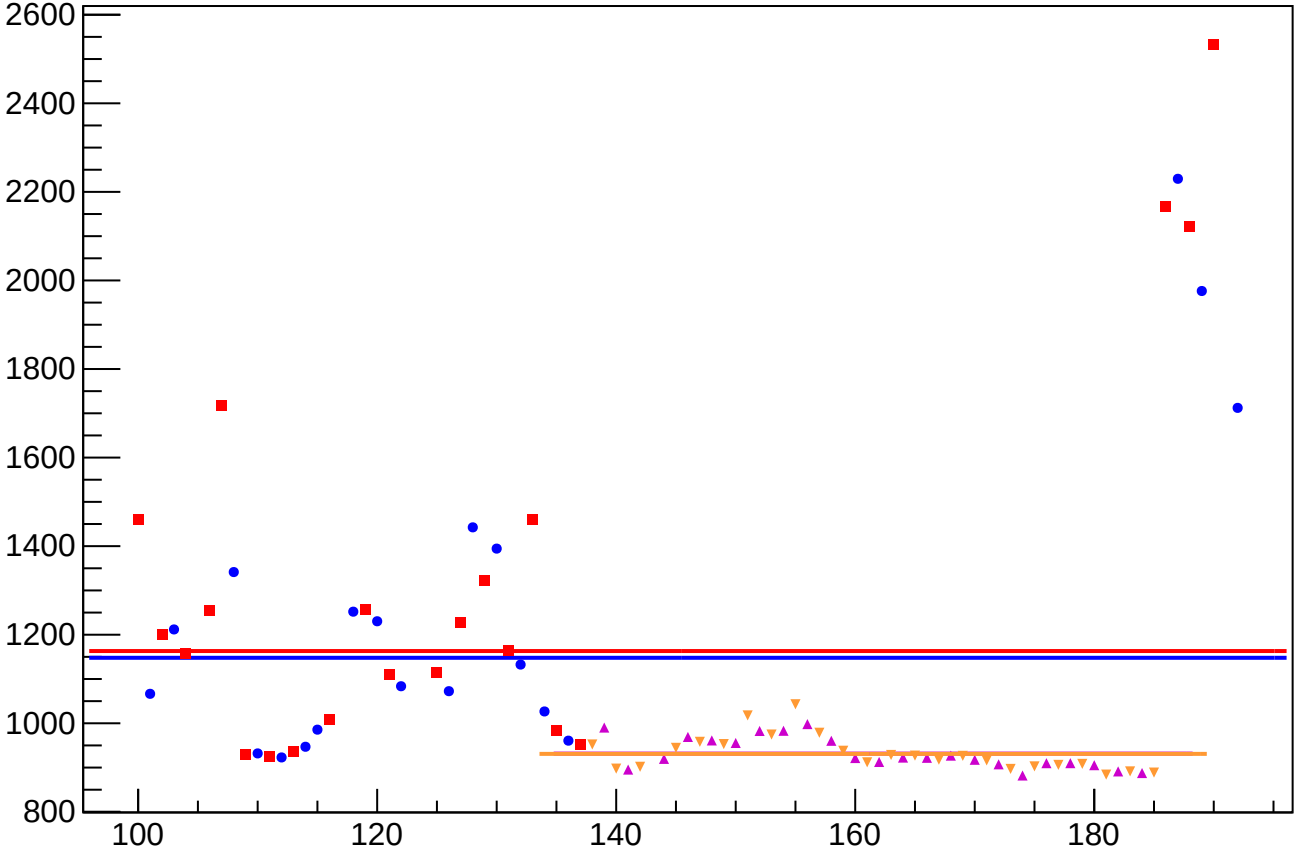
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 201.760+/-189.564 χ^2/NDF: 50.2/42

All: 264.024+/-134.613 χ^2/NDF: 78.8/86

- sign 327.360+/-191.190 χ^2/NDF: 28.4/43

asym_us_dd_rms vs Slug



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

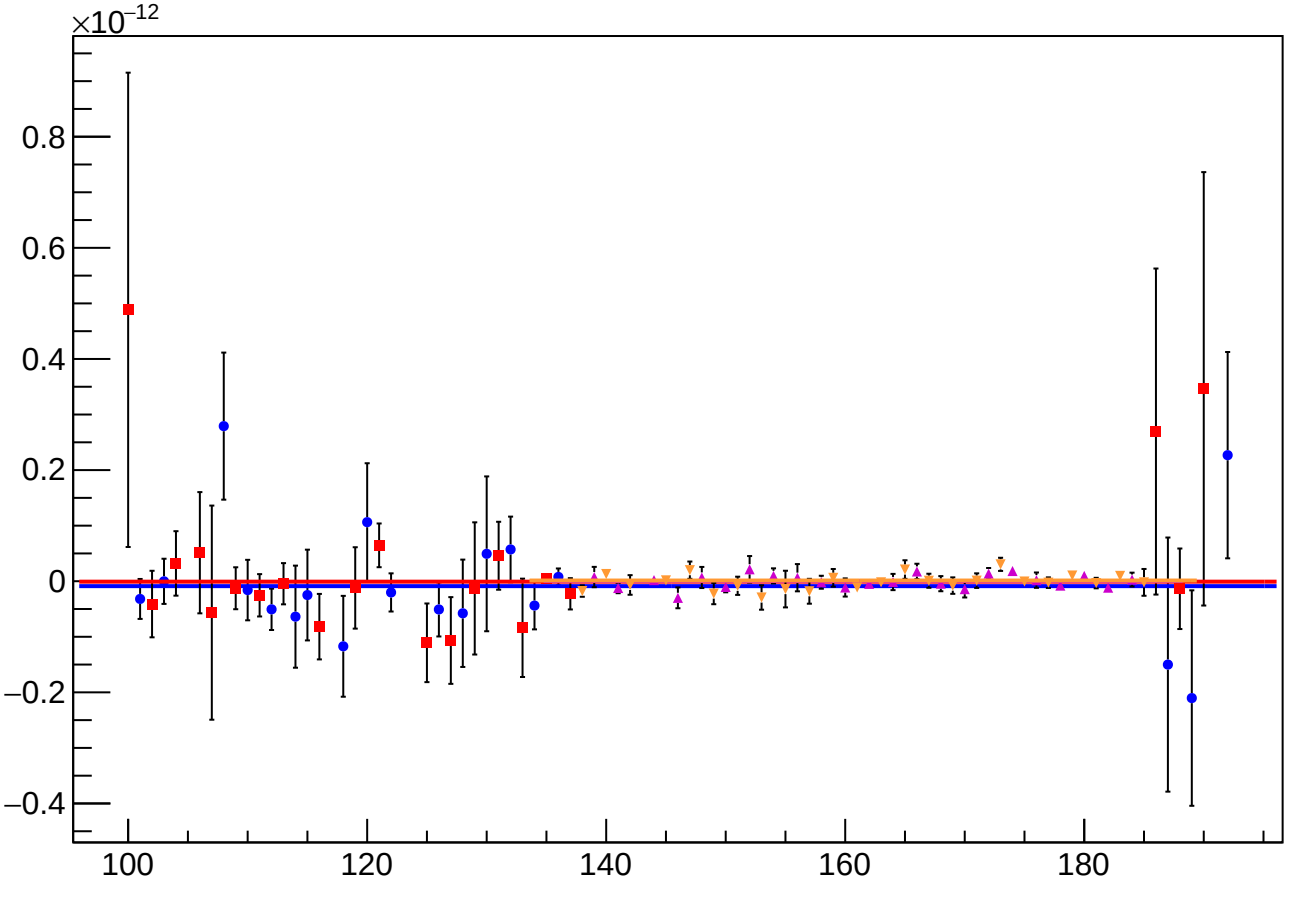
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 981.231+/-0.134 χ^2/NDF: 1327289.7/42

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

- sign 984.500+/-0.135 χ^2/NDF: 1697187.5/43

asym_us_dd_reg_vs_cor_diff_mean vs Slug



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

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

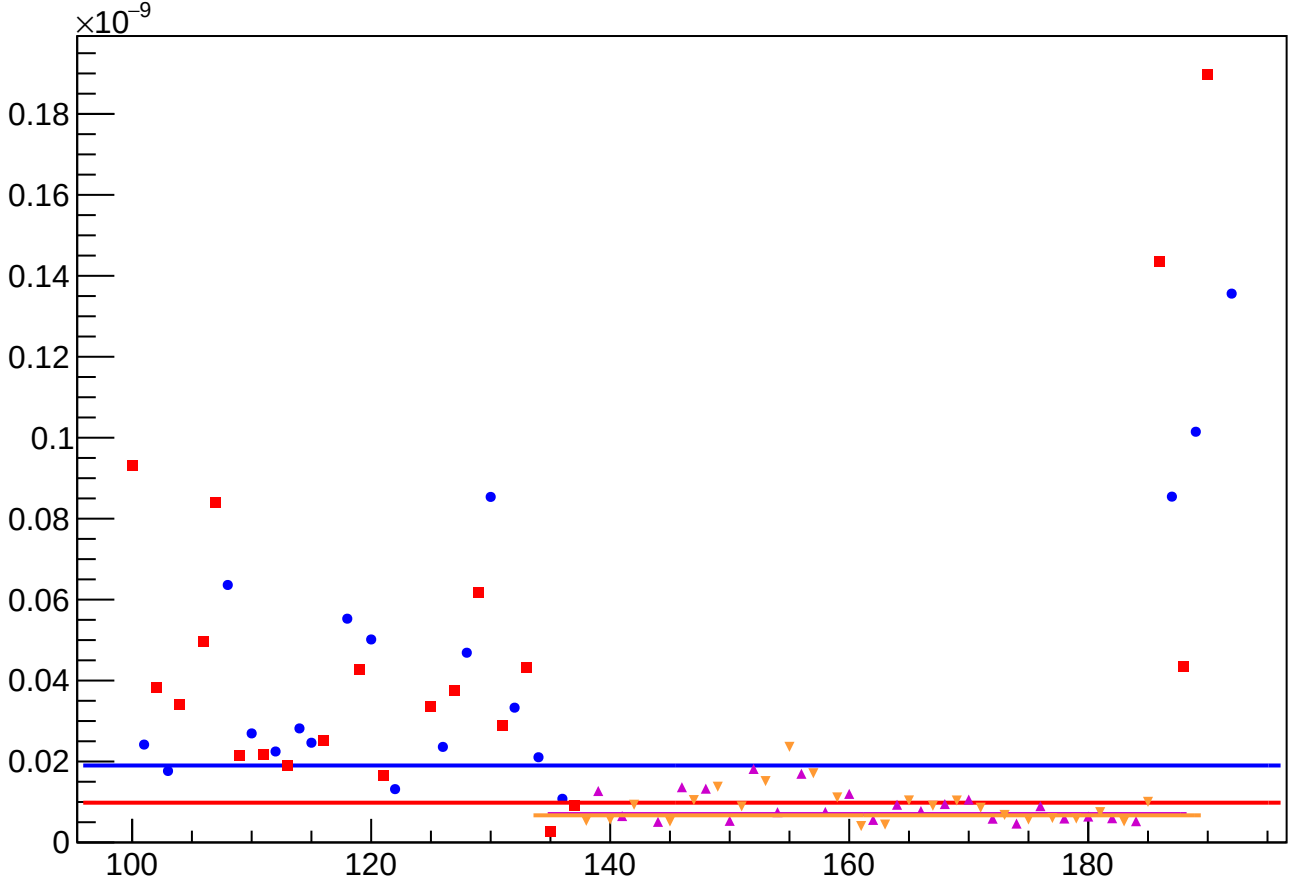
Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/20

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

+ sign 0.000+/-0.000 χ^2/NDF: 43.5/42

All: 0.000+/-0.000 χ^2/NDF: 81.7/86

- sign 0.000+/-0.000 χ^2/NDF: 38.1/43



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

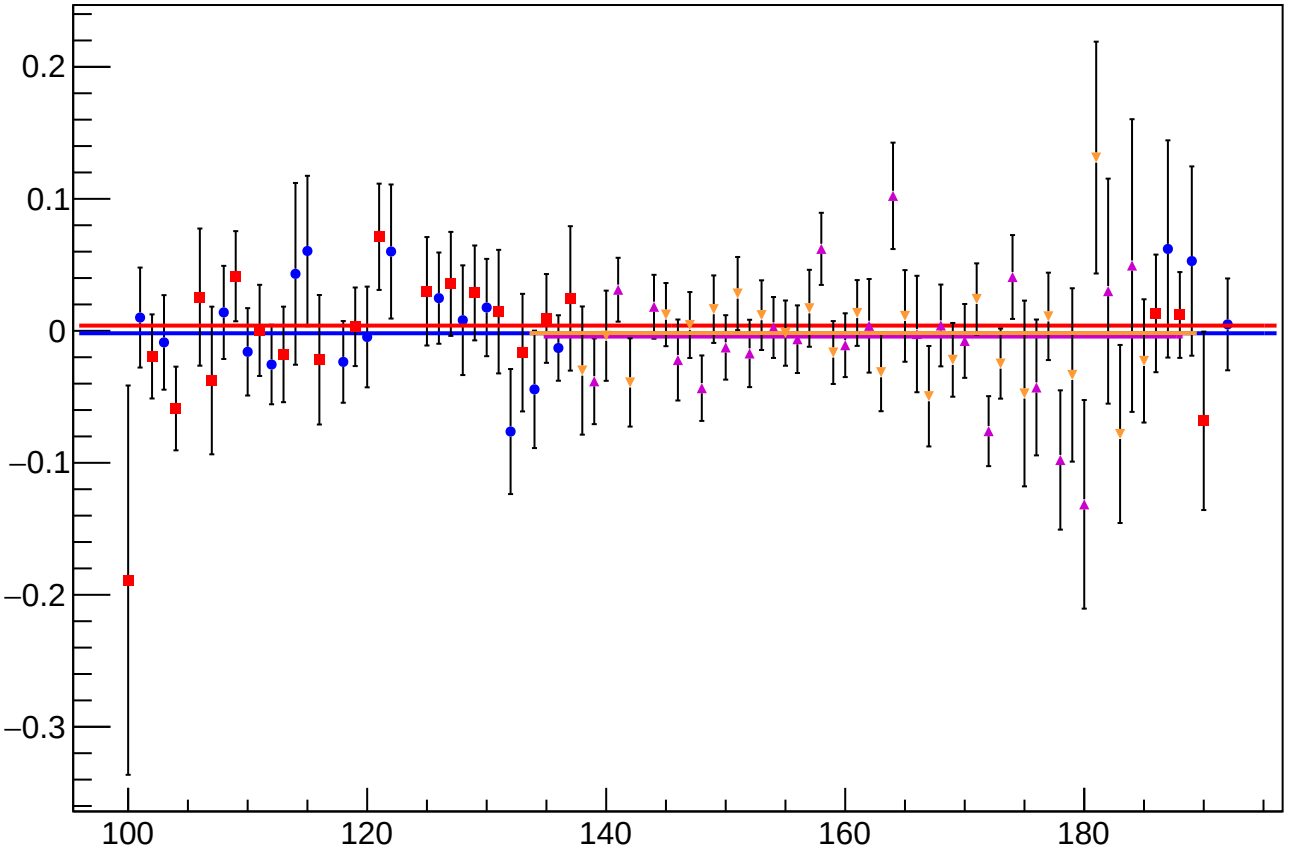
Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9277365.1/42

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

- sign 0.000+/-0.000 χ^2/NDF: 9133387.1/43

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

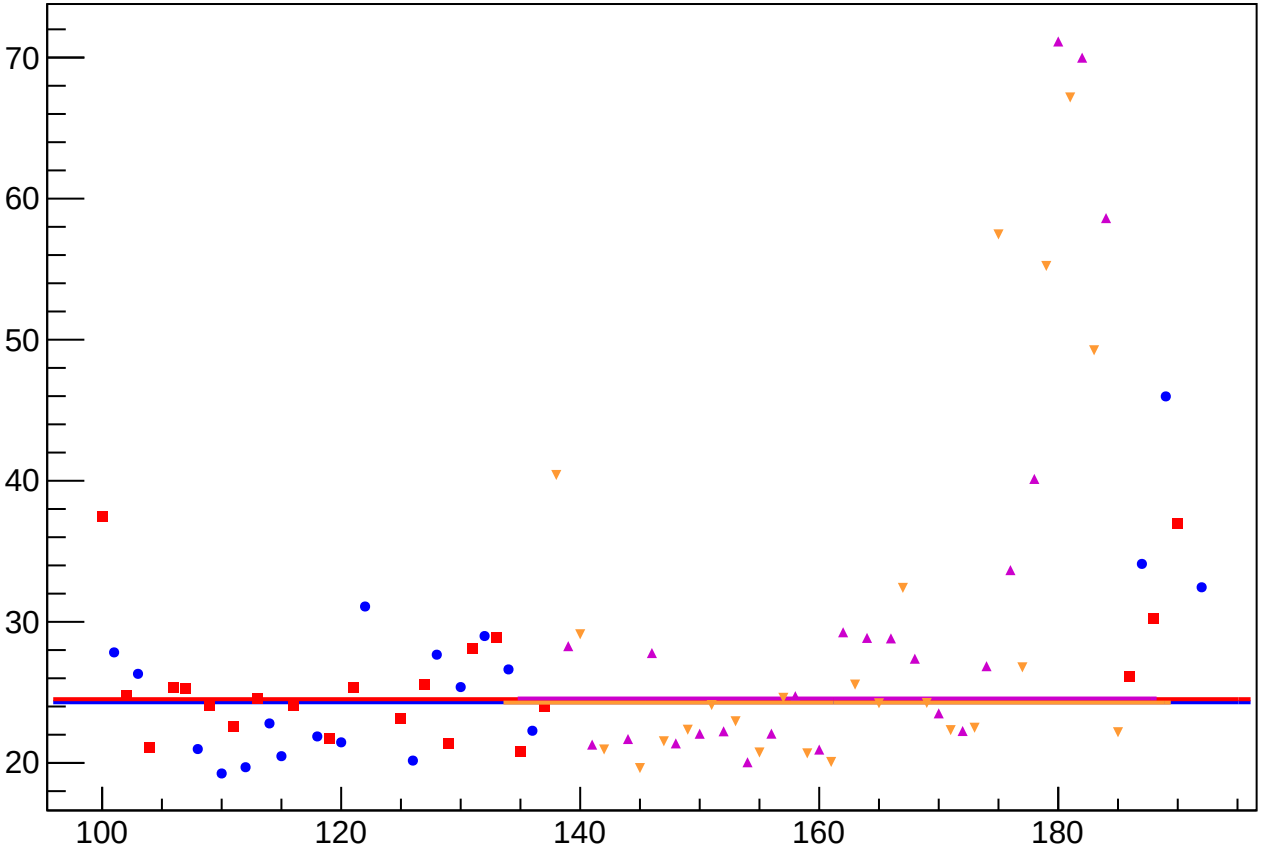
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.005 χ^2/NDF: 25.1/42

All: -0.002+/-0.004 χ^2/NDF: 77.0/86

- sign -0.001+/-0.005 χ^2/NDF: 51.9/43

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

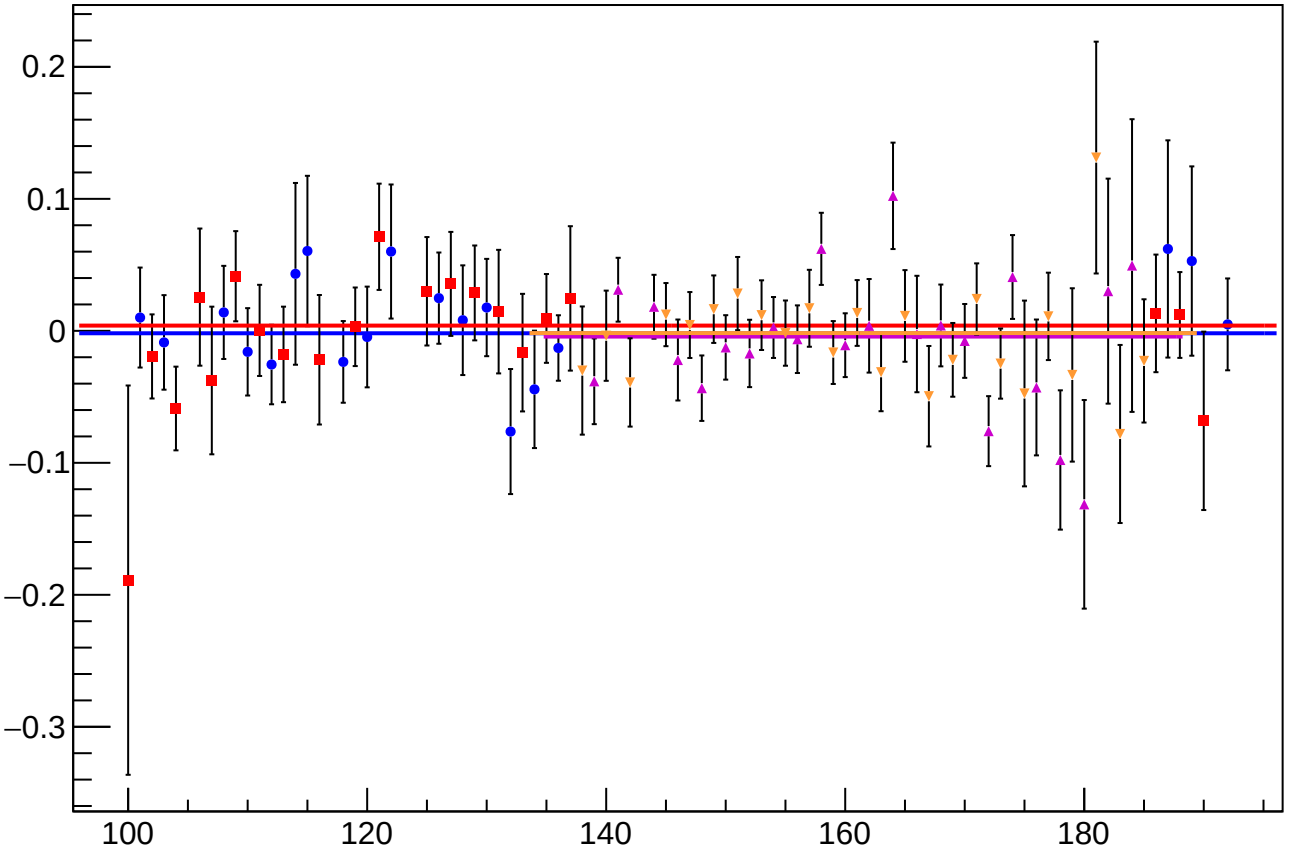
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

\+ sign 24.283+/-0.004 χ^2/NDF: 2917116.0/42

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

\- sign 24.549+/-0.004 χ^2/NDF: 2406043.9/43

asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug



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

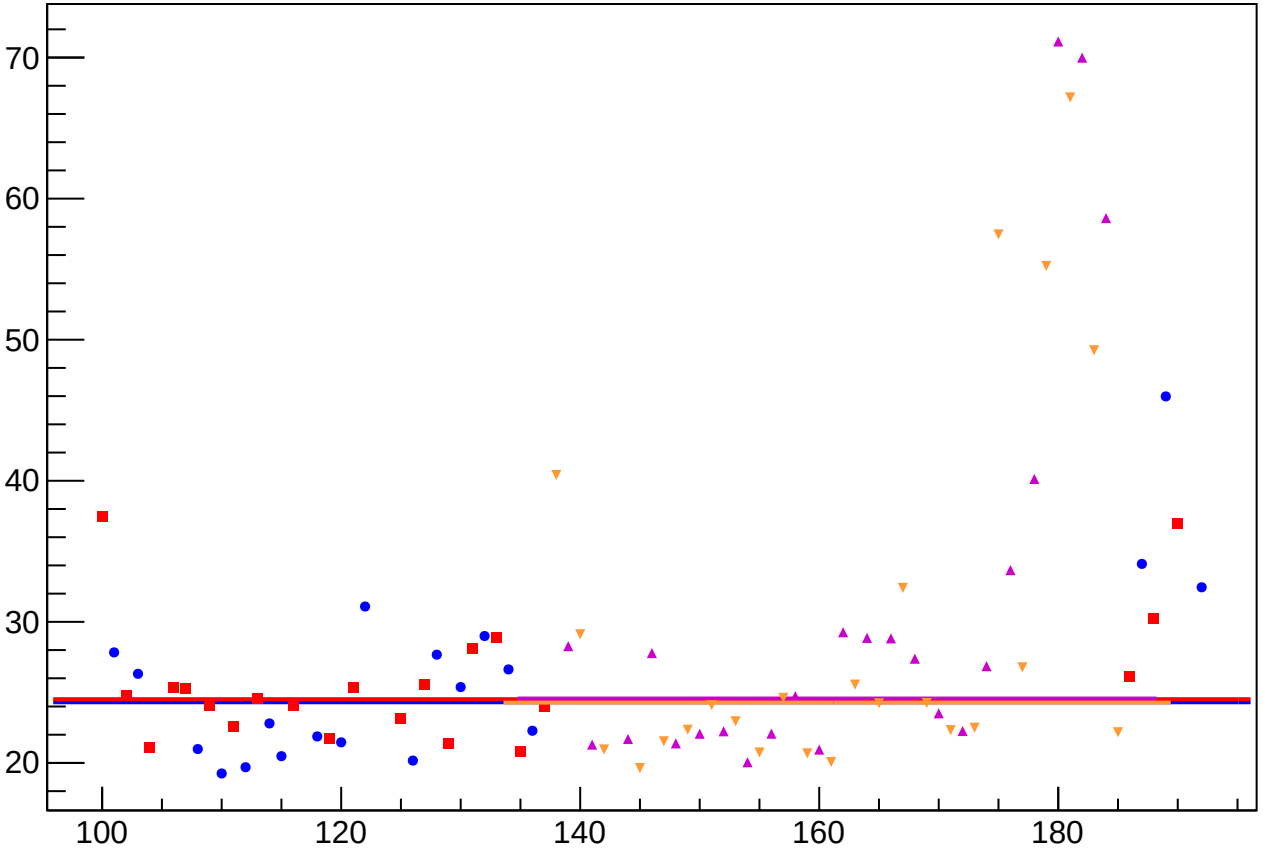
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.005 χ^2/NDF: 25.1/42

All: -0.002+/-0.004 χ^2/NDF: 77.0/86

- sign -0.001+/-0.005 χ^2/NDF: 51.9/43

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



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

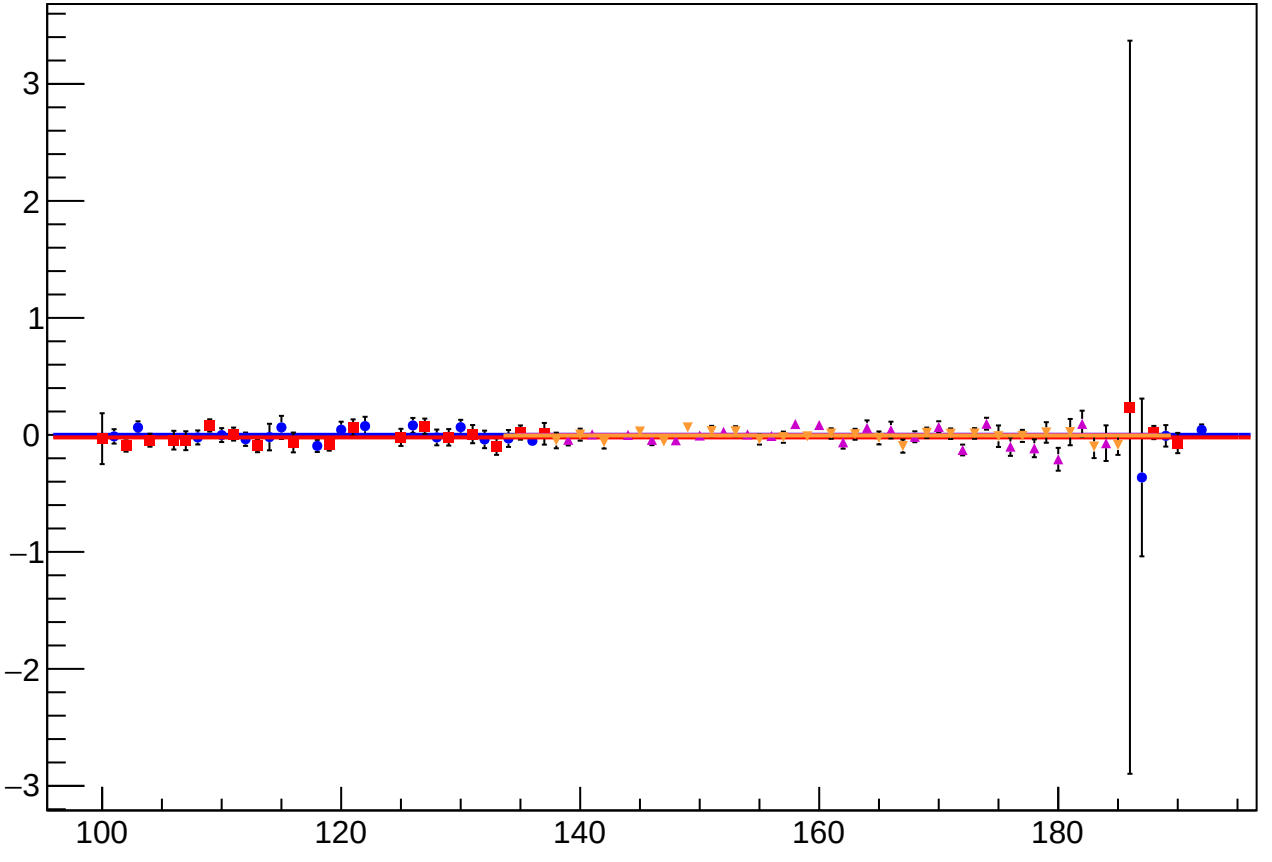
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

\+ sign 24.283+/-0.004 χ^2/NDF: 2917116.0/42

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

\- sign 24.549+/-0.004 χ^2/NDF: 2406043.9/43

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



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

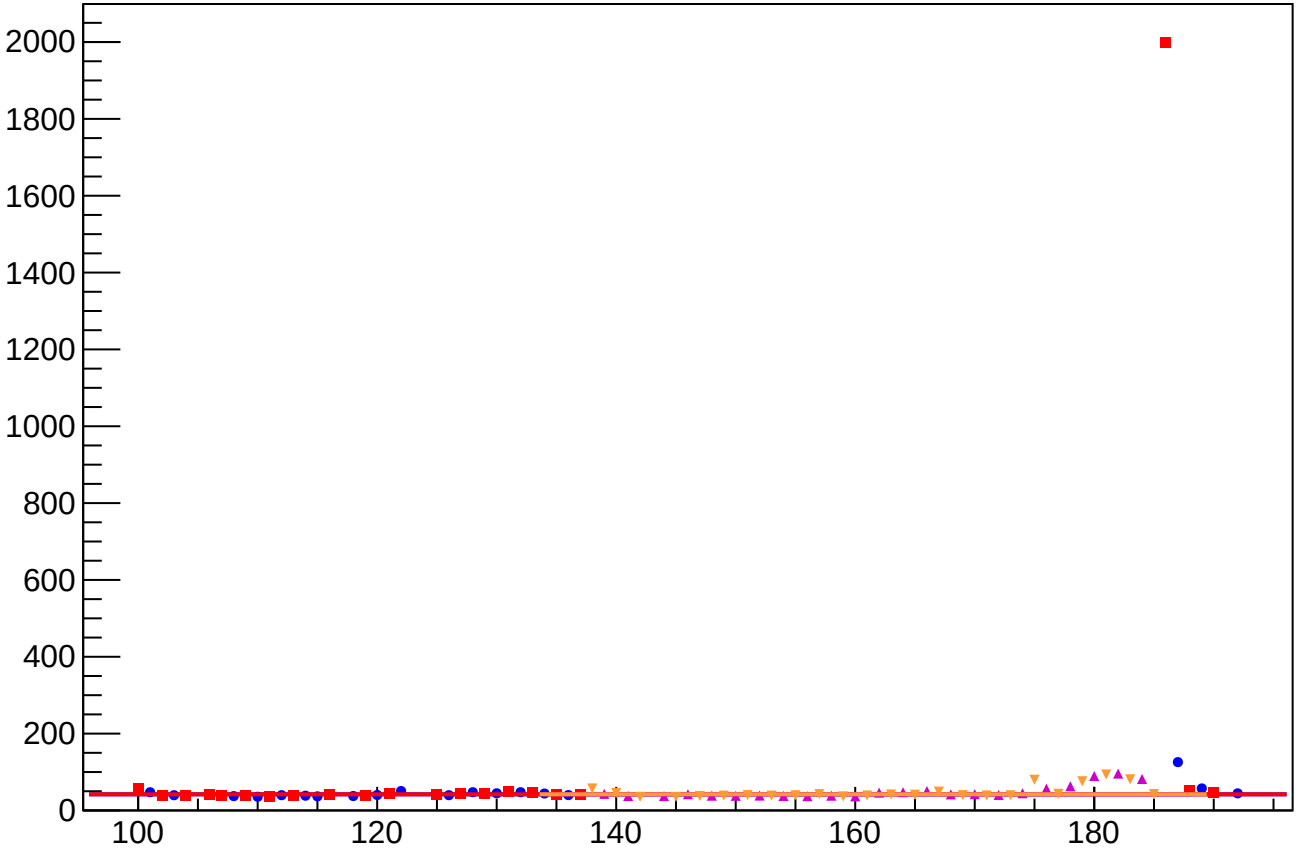
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.003+/-0.008 χ^2/NDF: 26.8/42

All: -0.005+/-0.006 χ^2/NDF: 82.5/86

- sign -0.007+/-0.008 χ^2/NDF: 55.6/43

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



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

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

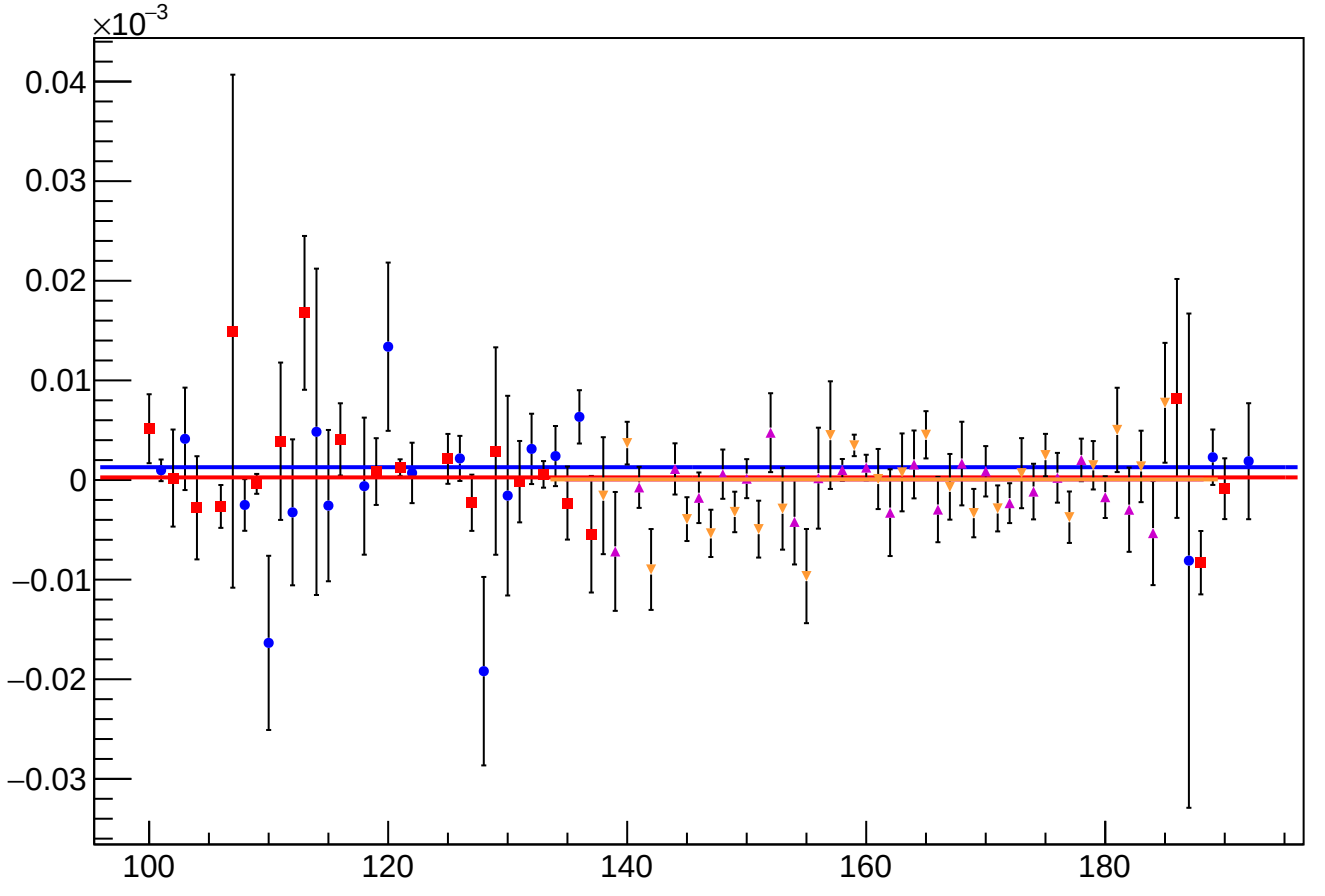
Right Out: 41.999+/-0.010 χ^2/NDF: 948960.1/20

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

\+ sign 42.063+/-0.006 χ^2/NDF: 1947952.3/42

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

\- sign 42.052+/-0.006 χ^2/NDF: 2492503.8/43



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

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

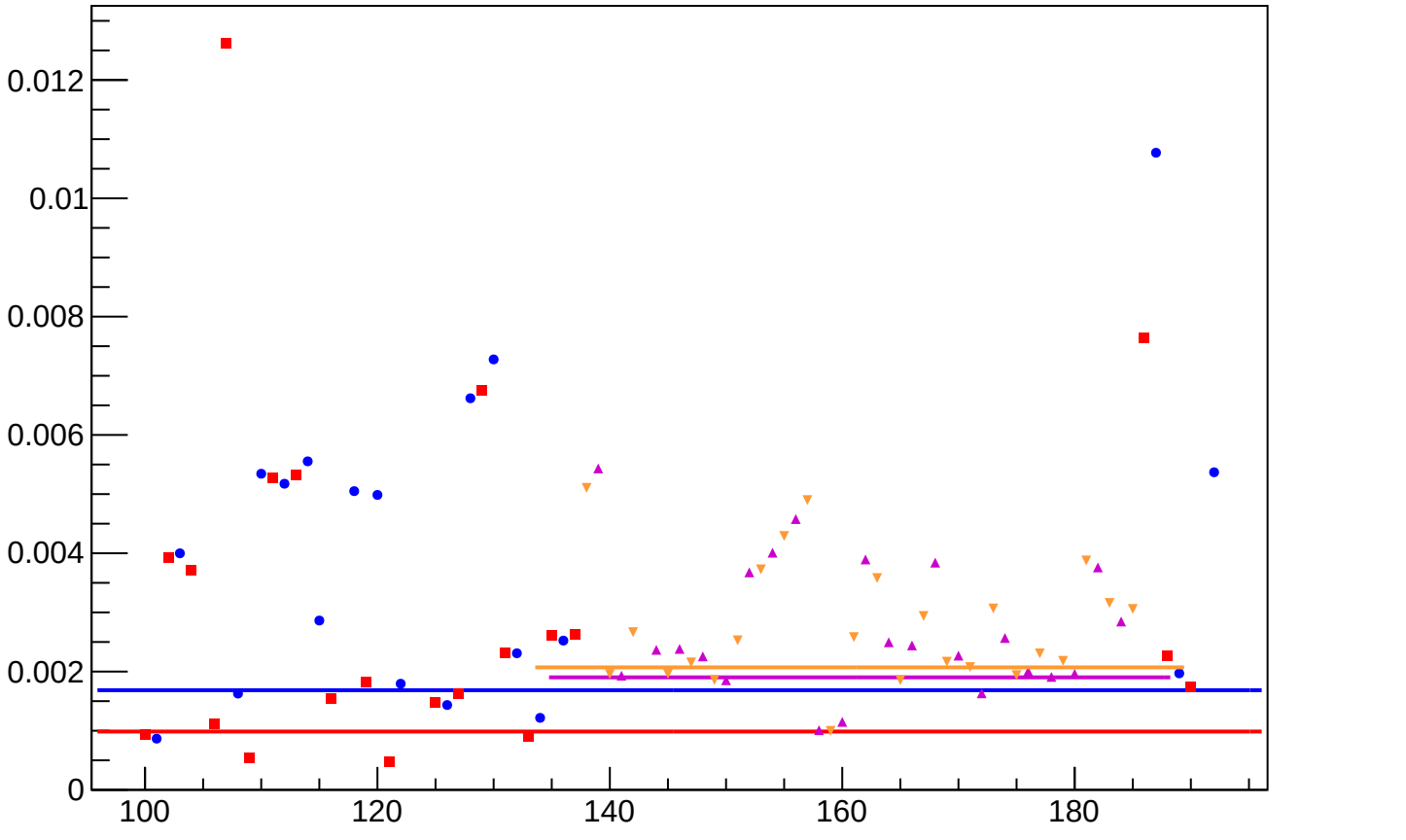
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/20

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

+ sign 0.000+/-0.000 χ^2/NDF: 72.2/42

All: 0.000+/-0.000 χ^2/NDF: 108.6/86

- sign 0.000+/-0.000 χ^2/NDF: 36.1/43



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

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

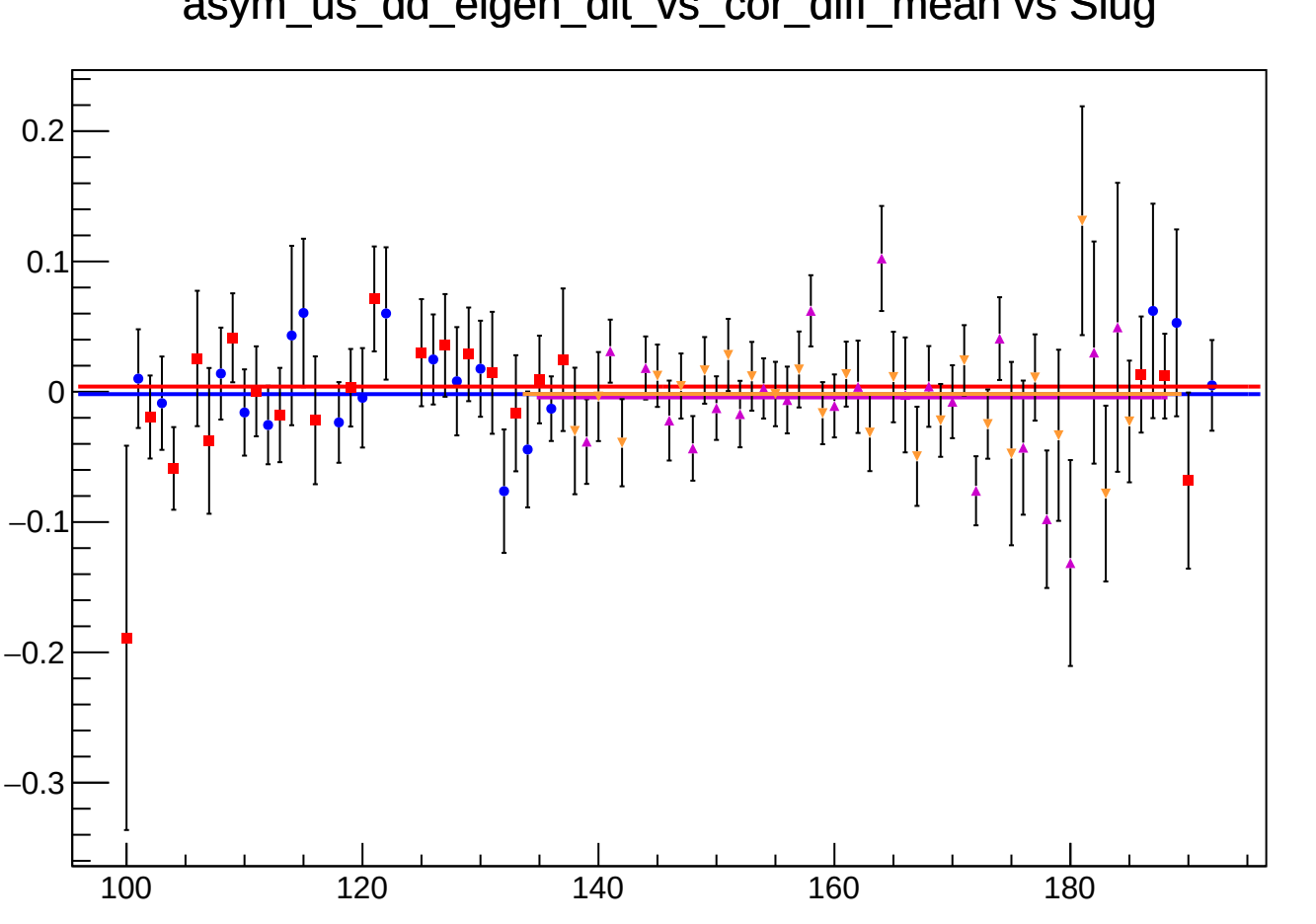
Right Out: 0.001+/-0.000 χ^2/NDF: 6875359.4/20

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

+ sign 0.002+/-0.000 χ^2/NDF: 11519849.6/42

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

- sign 0.001+/-0.000 χ^2/NDF: 16317914.8/43



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

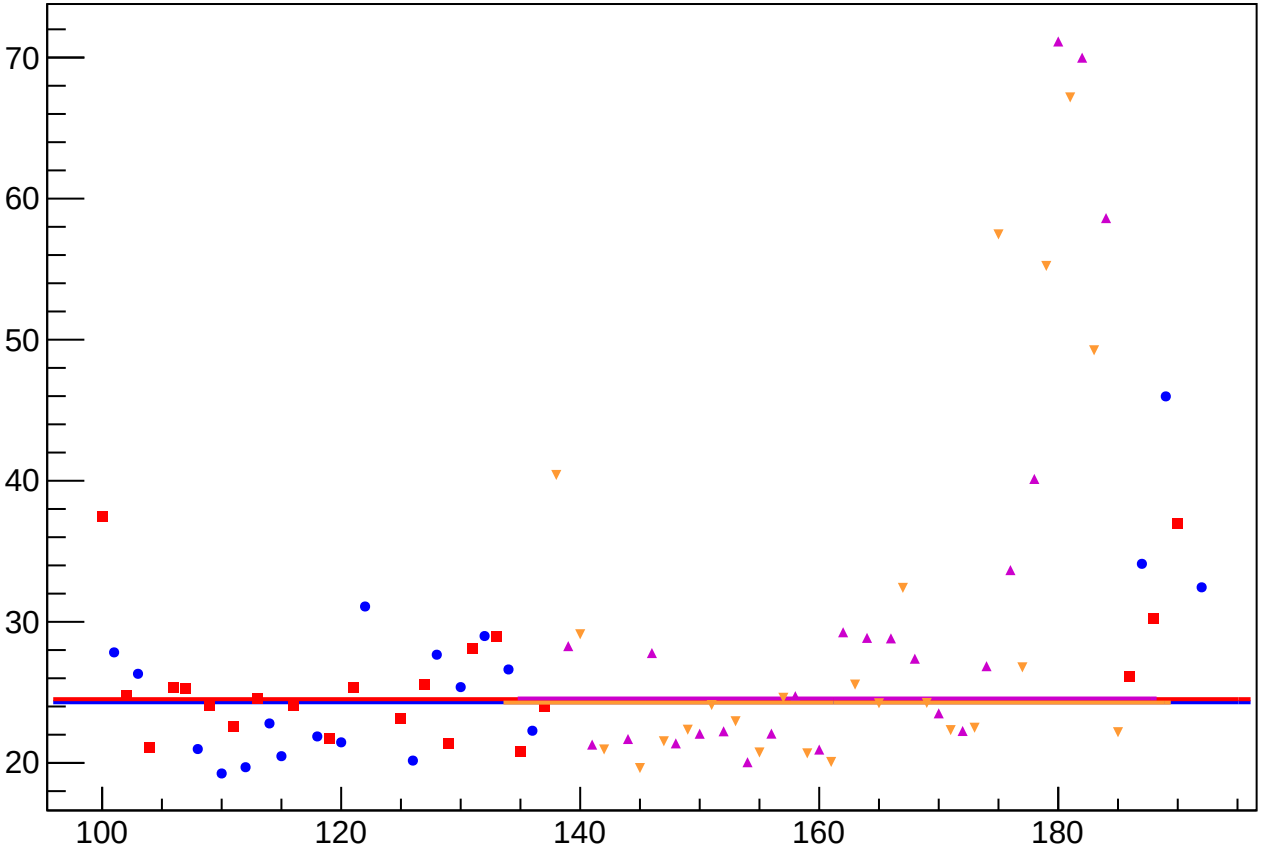
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.005 χ^2/NDF: 25.1/42

All: -0.002+/-0.004 χ^2/NDF: 77.0/86

- sign -0.001+/-0.005 χ^2/NDF: 51.9/43

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



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

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

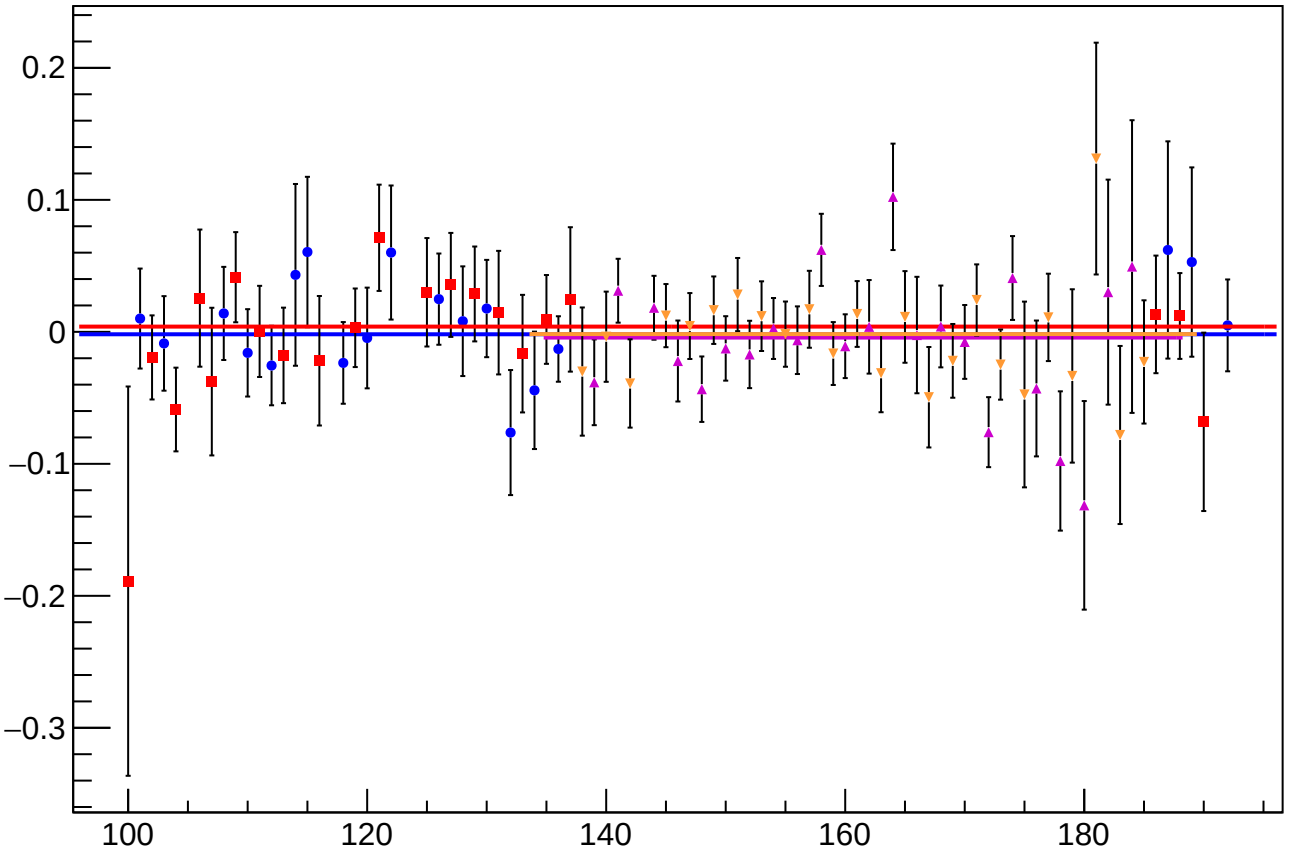
Right Out: 24.519+/-0.006 χ^2/NDF: 273043.9/20

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

\+ sign 24.283+/-0.004 χ^2/NDF: 2917099.0/42

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

\- sign 24.549+/-0.004 χ^2/NDF: 2405859.4/43



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

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

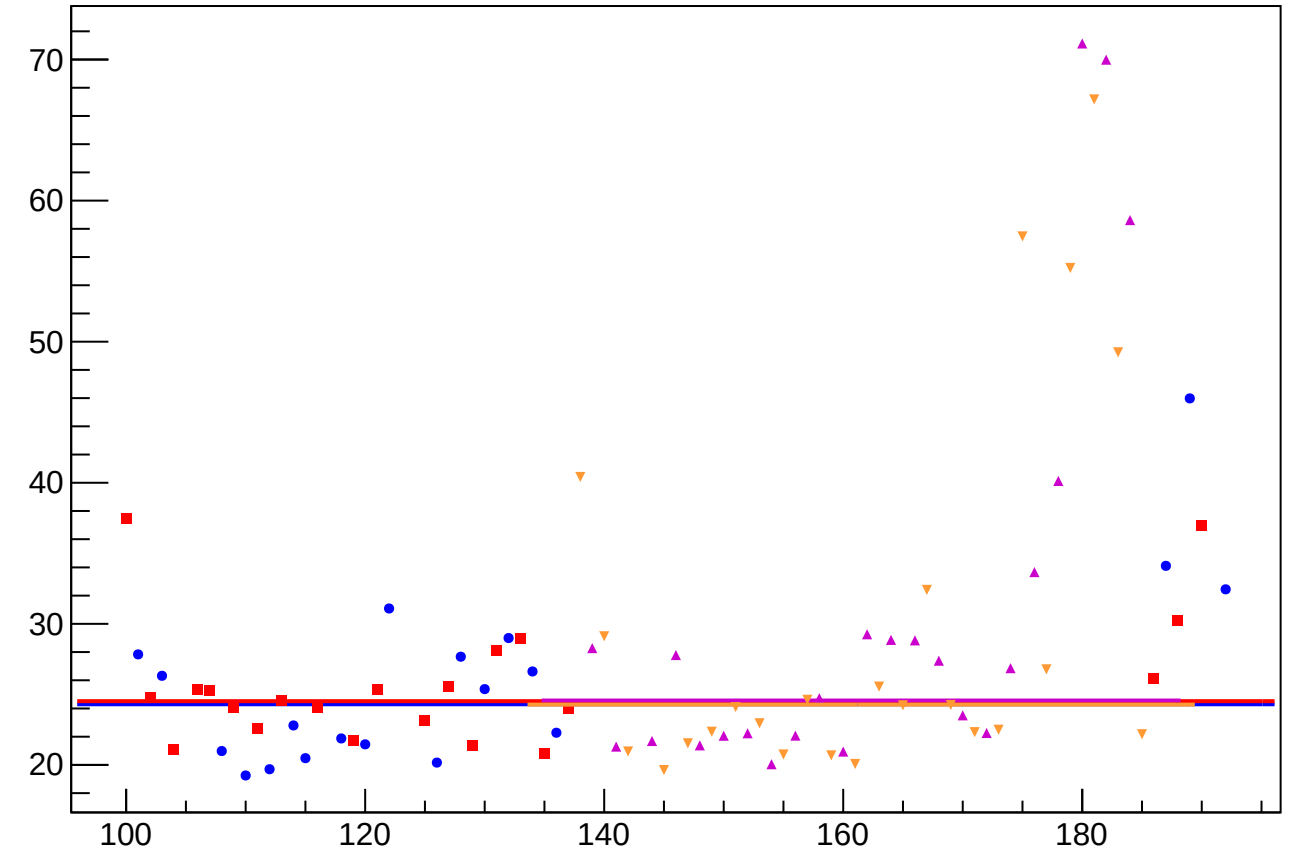
Right Out: 0.004+/-0.009 χ^2/NDF: 14.7/20

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

+ sign -0.002+/-0.005 χ^2/NDF: 25.1/42

All: -0.002+/-0.004 χ^2/NDF: 77.0/86

- sign -0.001+/-0.005 χ^2/NDF: 51.9/43



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

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

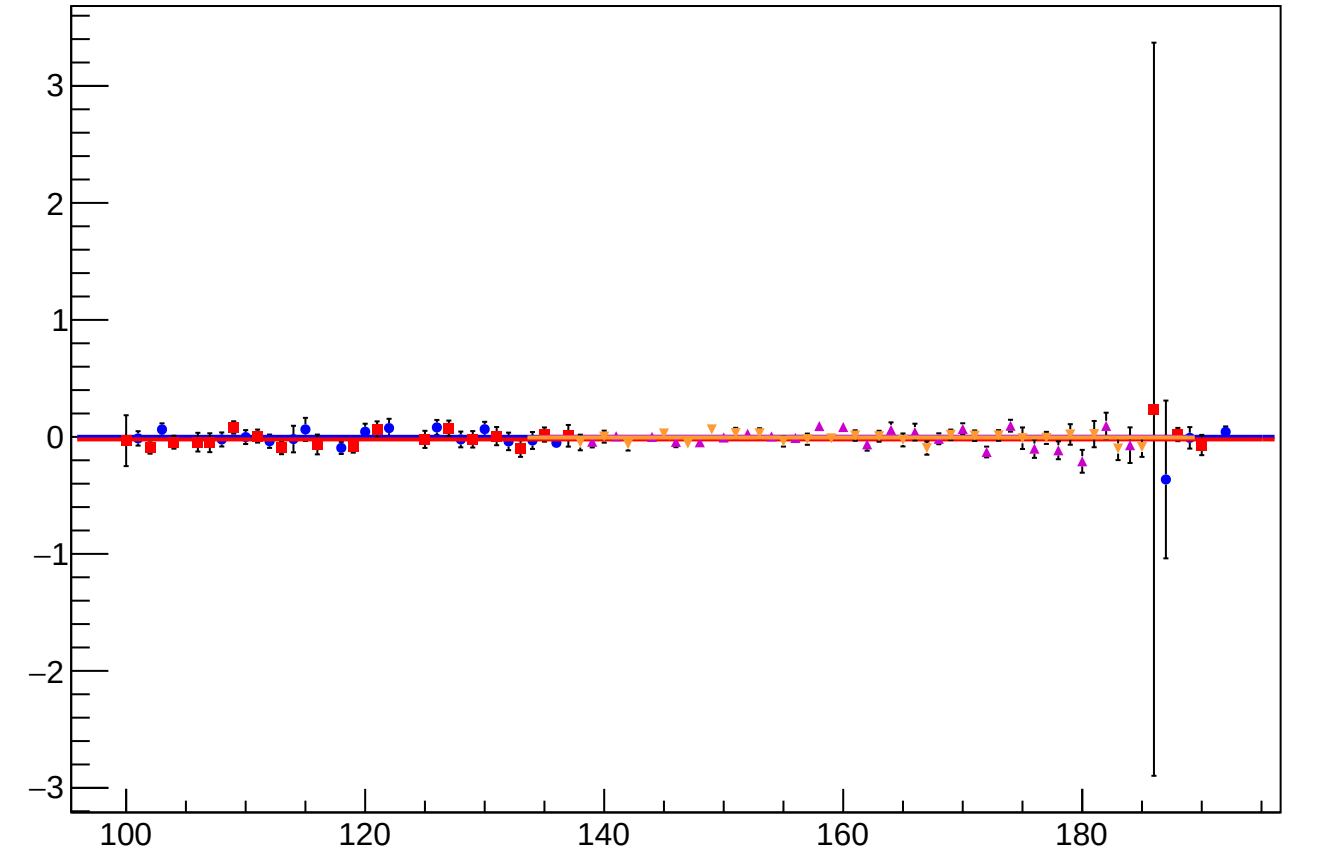
Right Out: 24.519+/-0.006 χ^2/NDF: 273043.9/20

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

+ sign 24.283+/-0.004 χ^2/NDF: 2917099.0/42

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

- sign 24.549+/-0.004 χ^2/NDF: 2405859.4/43



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

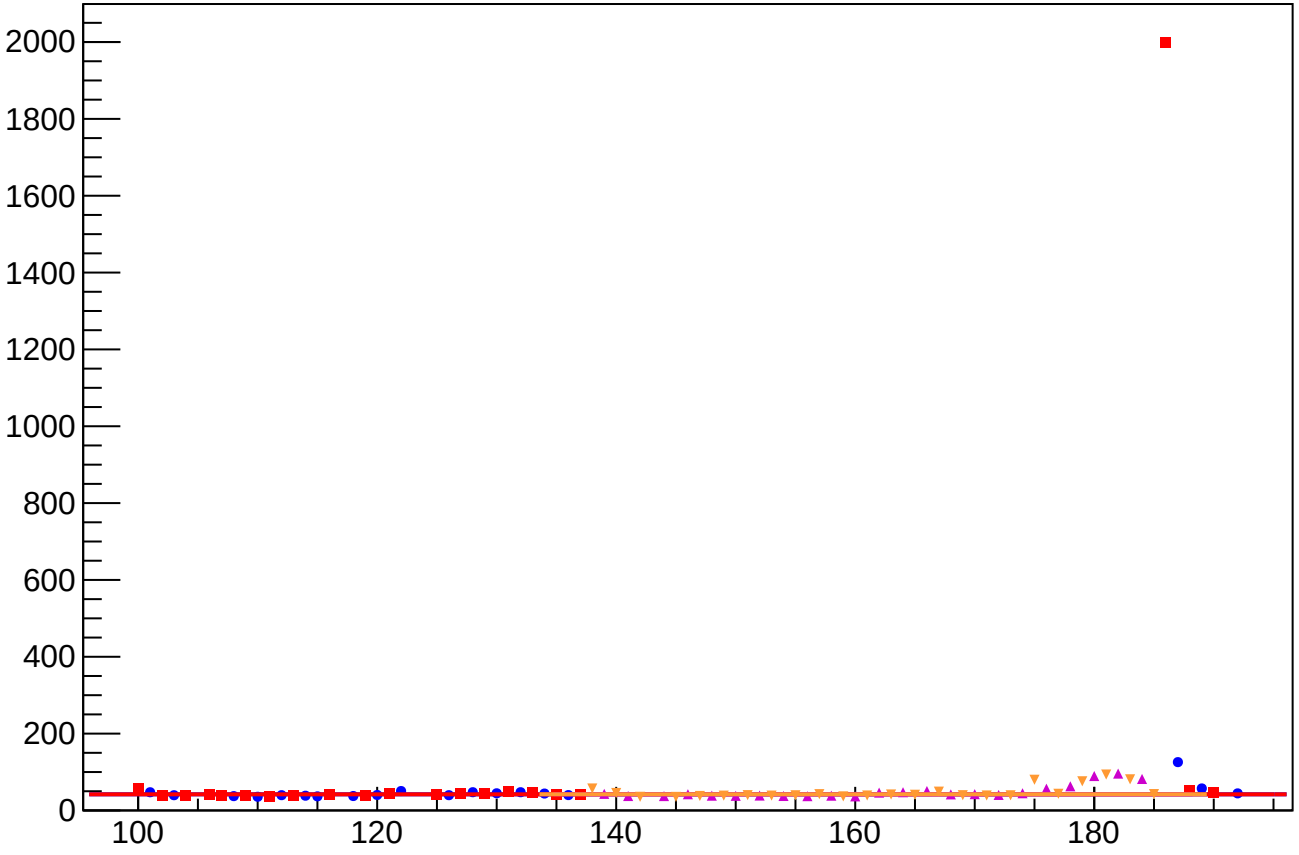
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.003+/-0.008 χ^2/NDF: 26.8/42

All: -0.005+/-0.006 χ^2/NDF: 82.5/86

- sign -0.007+/-0.008 χ^2/NDF: 55.6/43

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



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

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

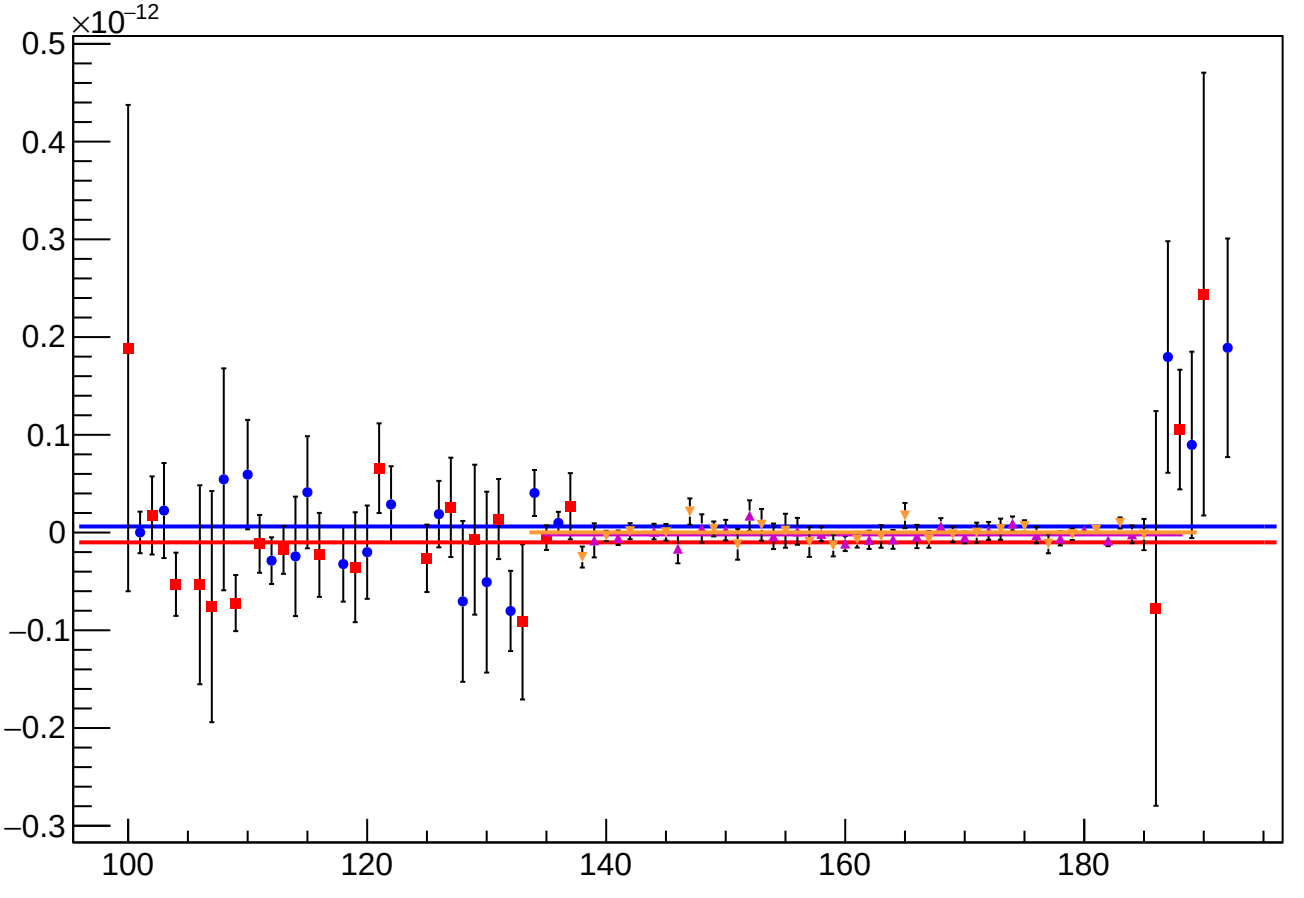
Right Out: 41.999+/-0.010 χ^2/NDF: 948950.2/20

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

+ sign 42.063+/-0.006 χ^2/NDF: 1947914.2/42

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

- sign 42.052+/-0.006 χ^2/NDF: 2492469.6/43



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

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

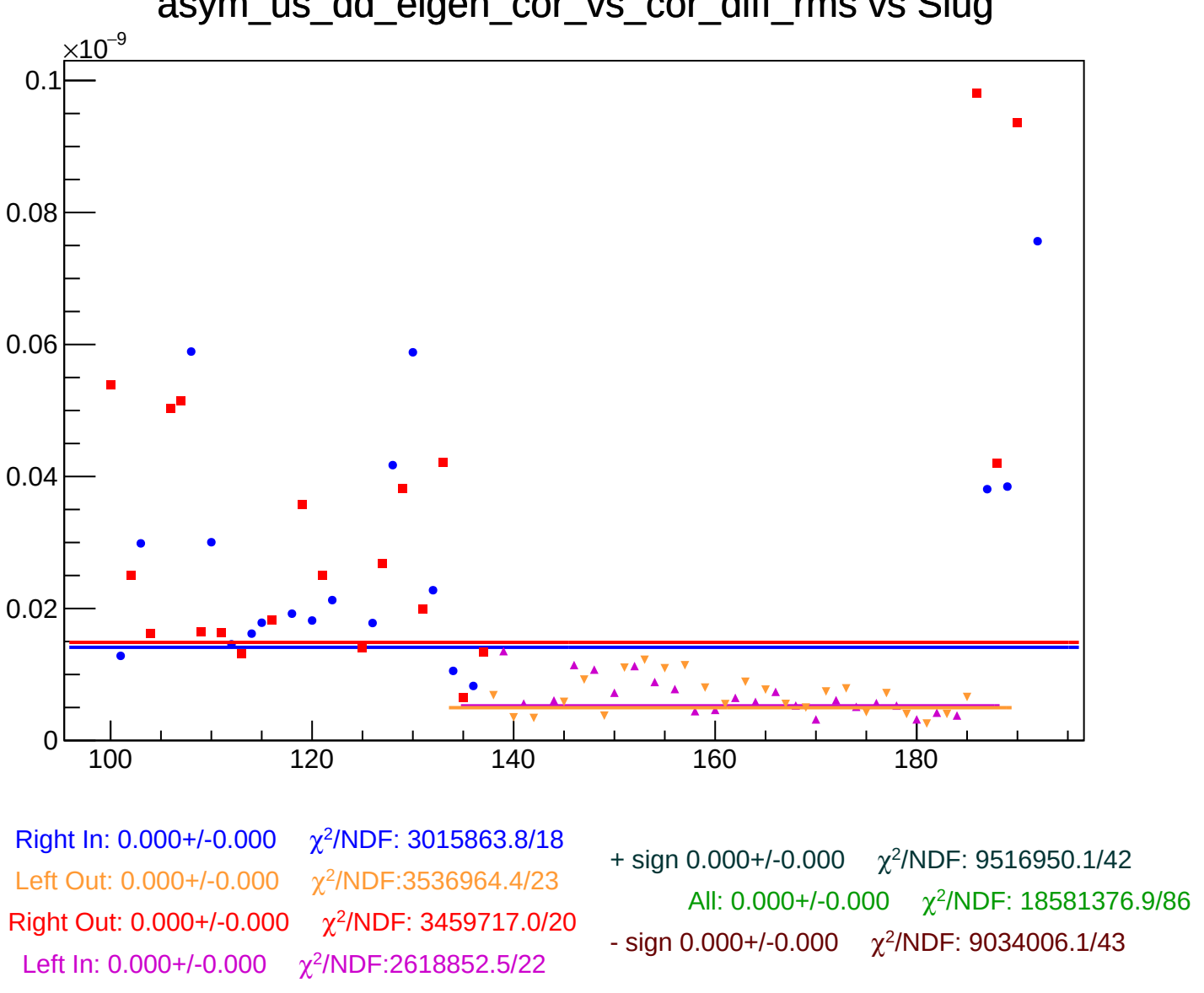
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/20

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

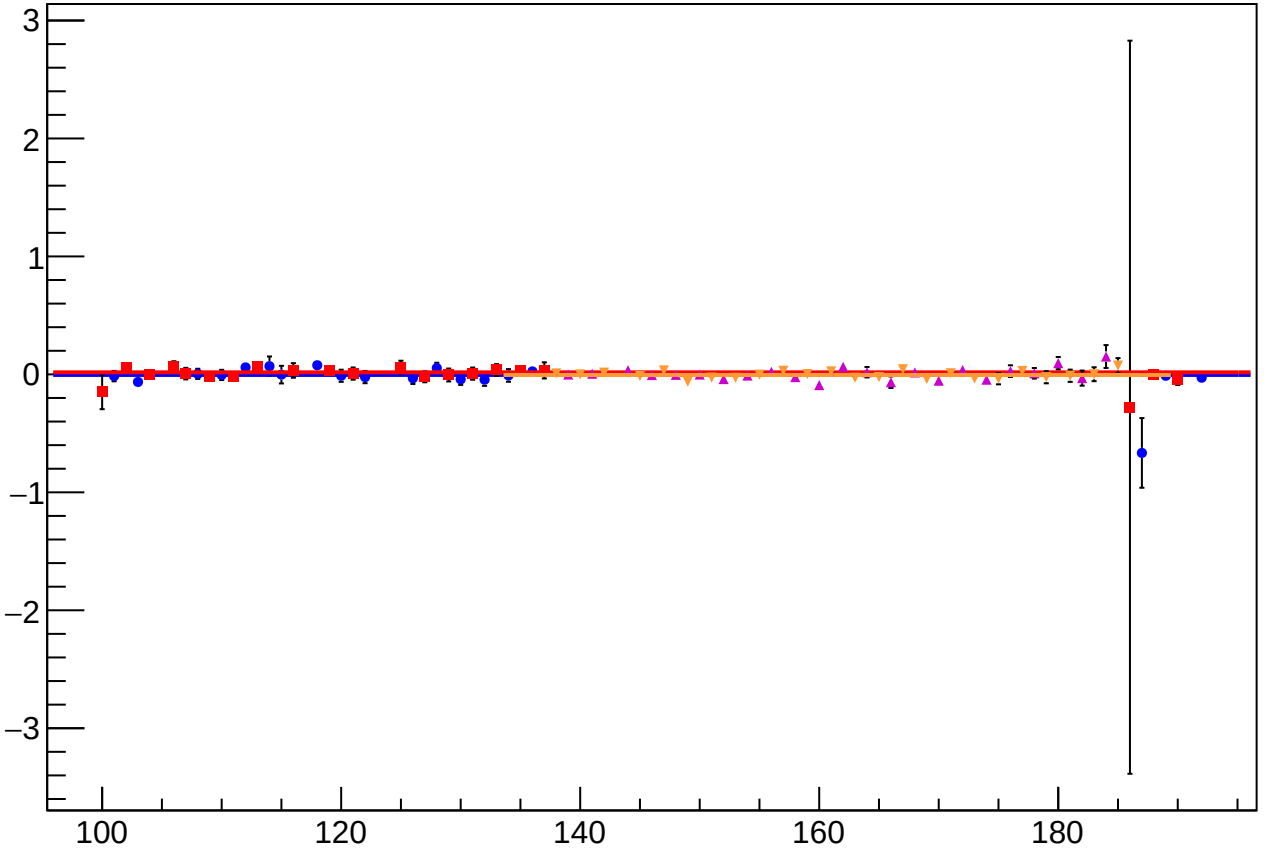
+ sign 0.000+/-0.000 χ^2/NDF: 41.1/42

All: -0.000+/-0.000 χ^2/NDF: 74.9/86

- sign -0.000+/-0.000 χ^2/NDF: 32.3/43


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3015863.8/18
Left Out: 0.000+/-0.000 χ²/NDF:3536964.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 3459717.0/20
Left In: 0.000+/-0.000 χ²/NDF:2618852.5/22
+ sign 0.000+/-0.000 χ²/NDF: 9516950.1/42
All: 0.000+/-0.000 χ²/NDF: 18581376.9/86
- sign 0.000+/-0.000 χ²/NDF: 9034006.1/43

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



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

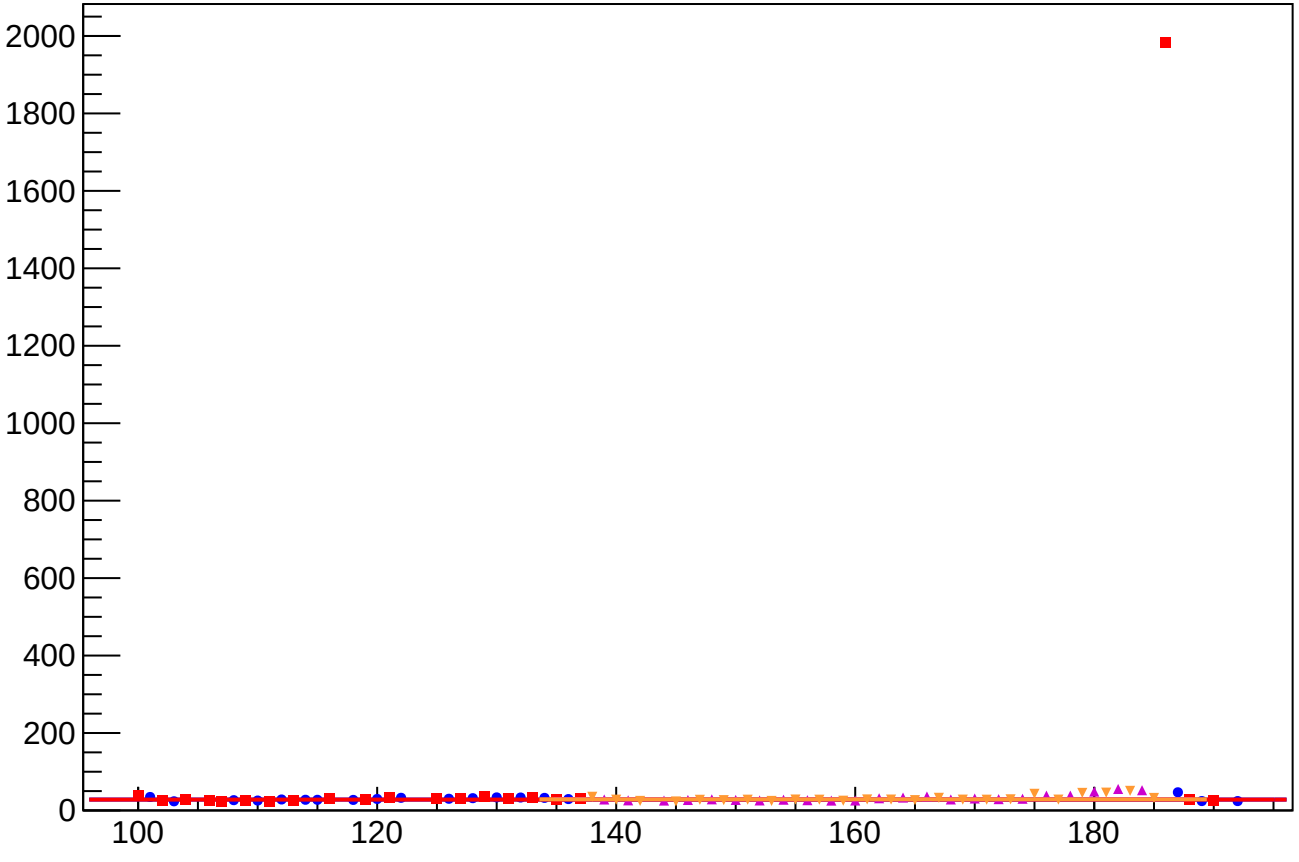
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.005+/-0.006 χ^2/NDF: 38.2/42

All: -0.001+/-0.004 χ^2/NDF: 84.3/86

- sign 0.003+/-0.006 χ^2/NDF: 45.2/43

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



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

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

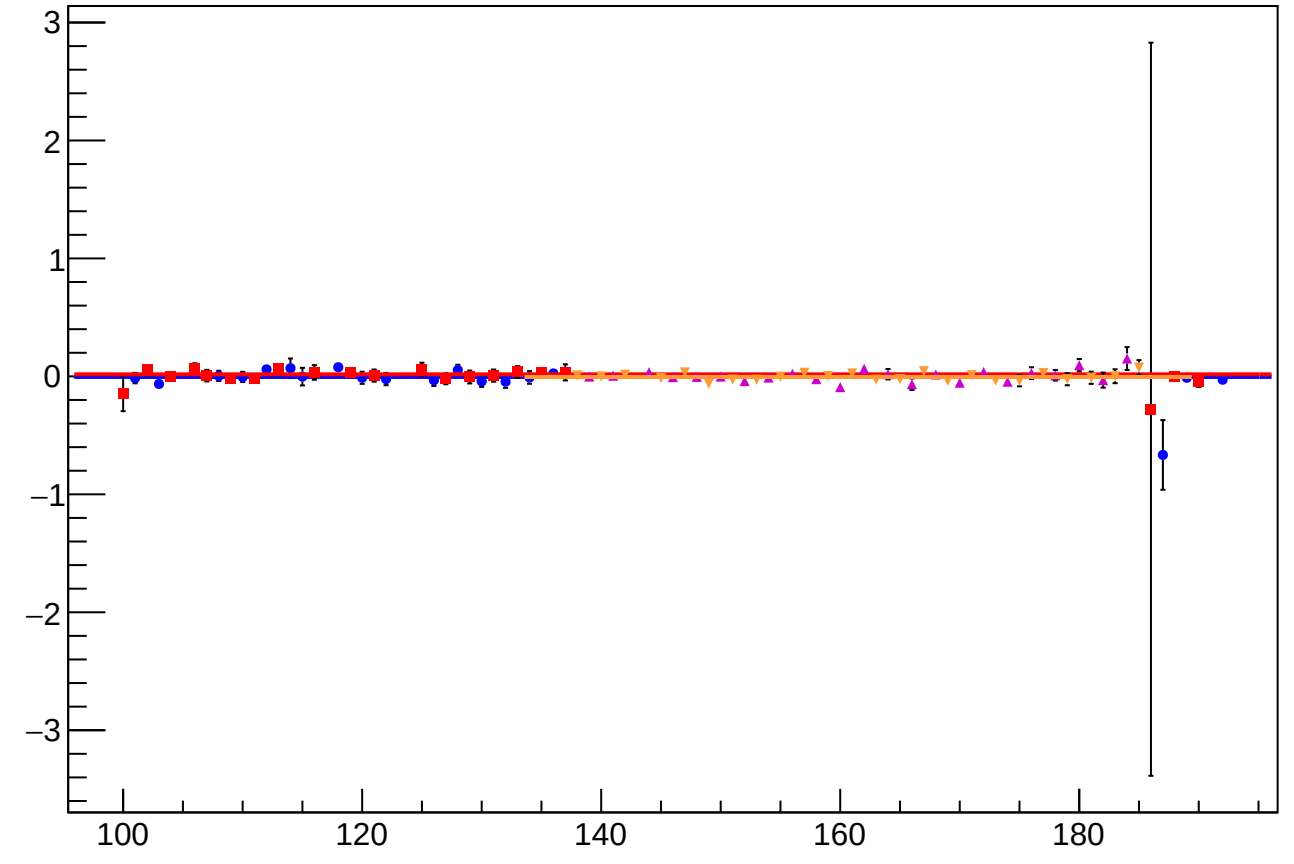
Right Out: 28.017+/-0.007 χ^2/NDF: 981559.6/20

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

+ sign 28.559+/-0.004 χ^2/NDF: 1443636.6/42

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

- sign 28.836+/-0.004 χ^2/NDF: 2142011.8/43



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

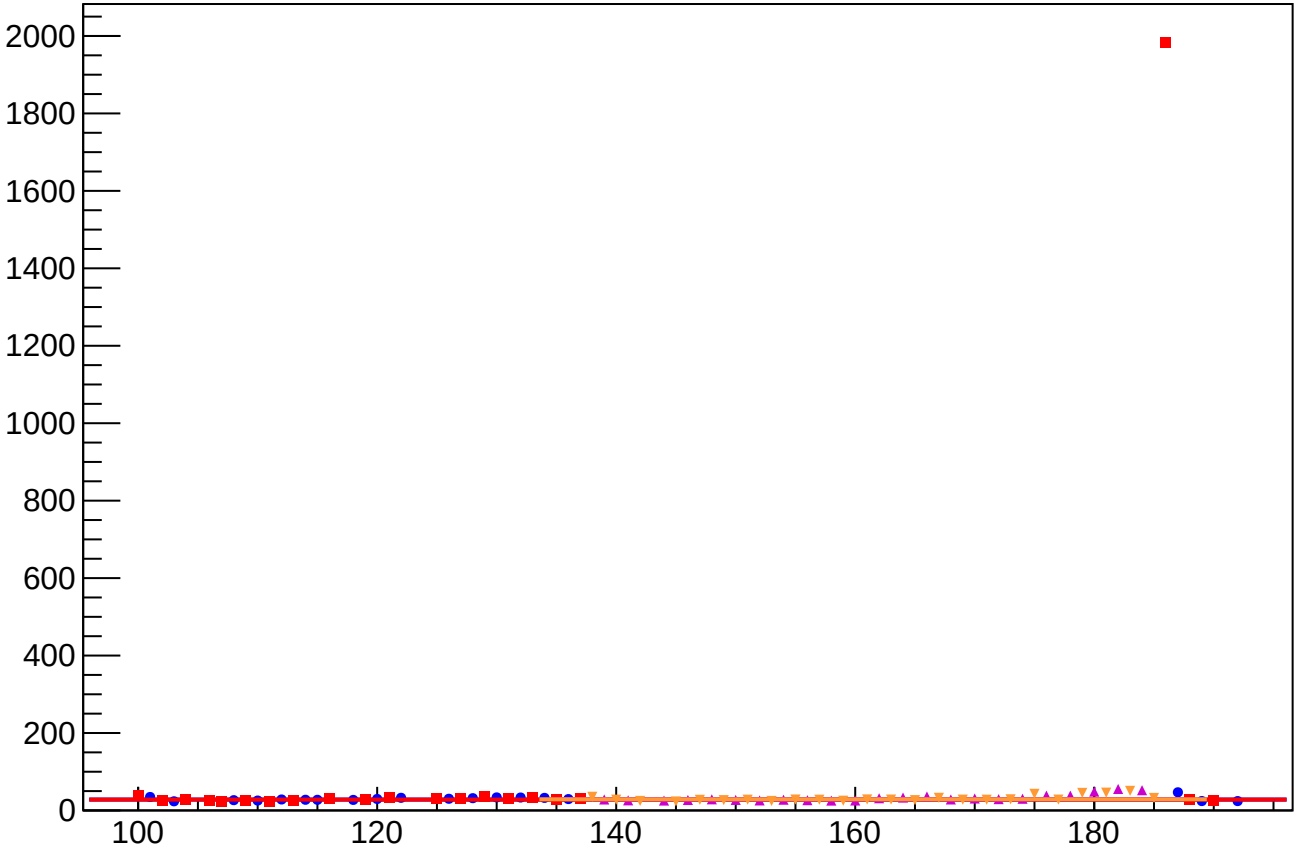
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.005+/-0.006 χ^2/NDF: 38.2/42

All: -0.001+/-0.004 χ^2/NDF: 84.3/86

- sign 0.003+/-0.006 χ^2/NDF: 45.2/43

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



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

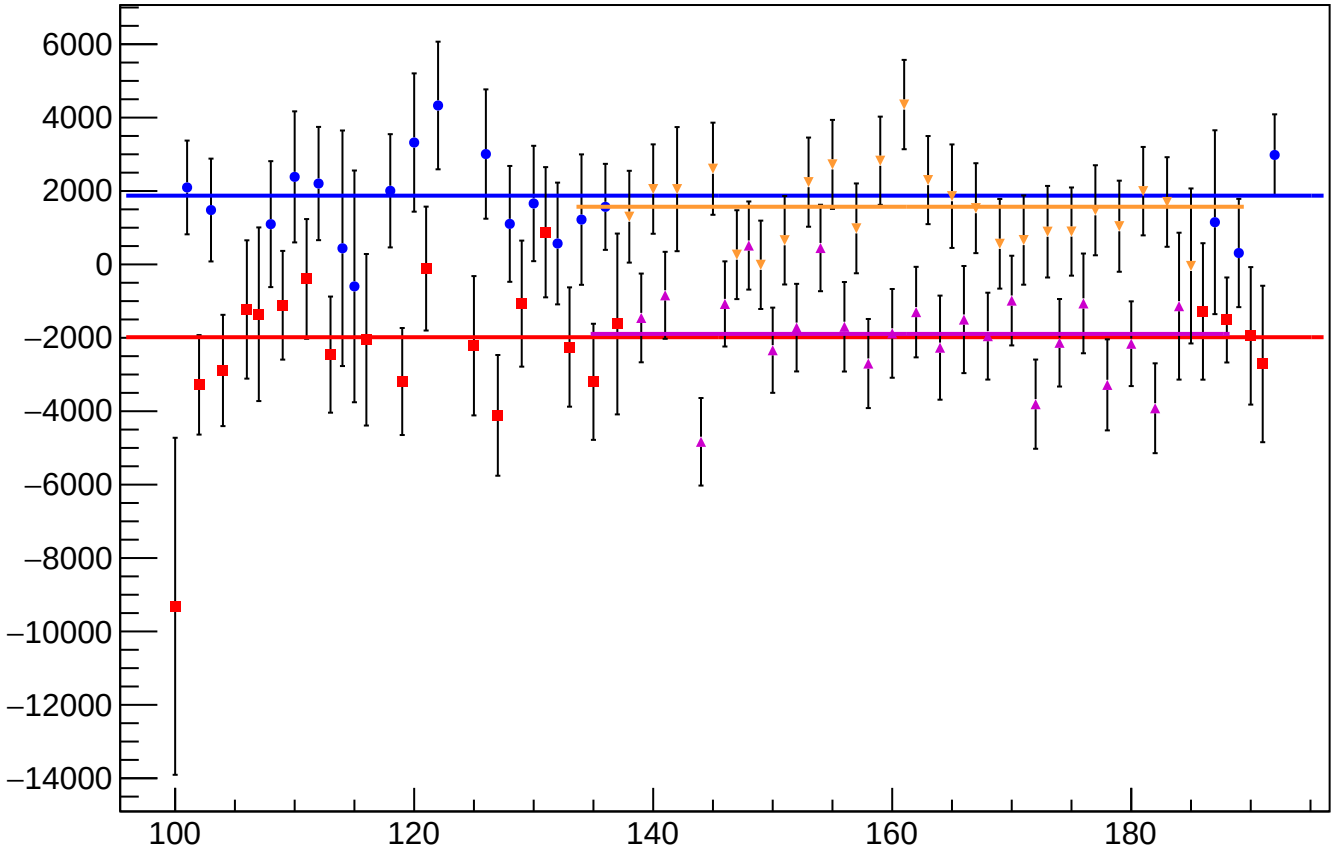
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 28.559+/-0.004 χ^2/NDF: 1443636.6/42

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

- sign 28.836+/-0.004 χ^2/NDF: 2142011.8/43

reg_asym_usl_mean vs Slug



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

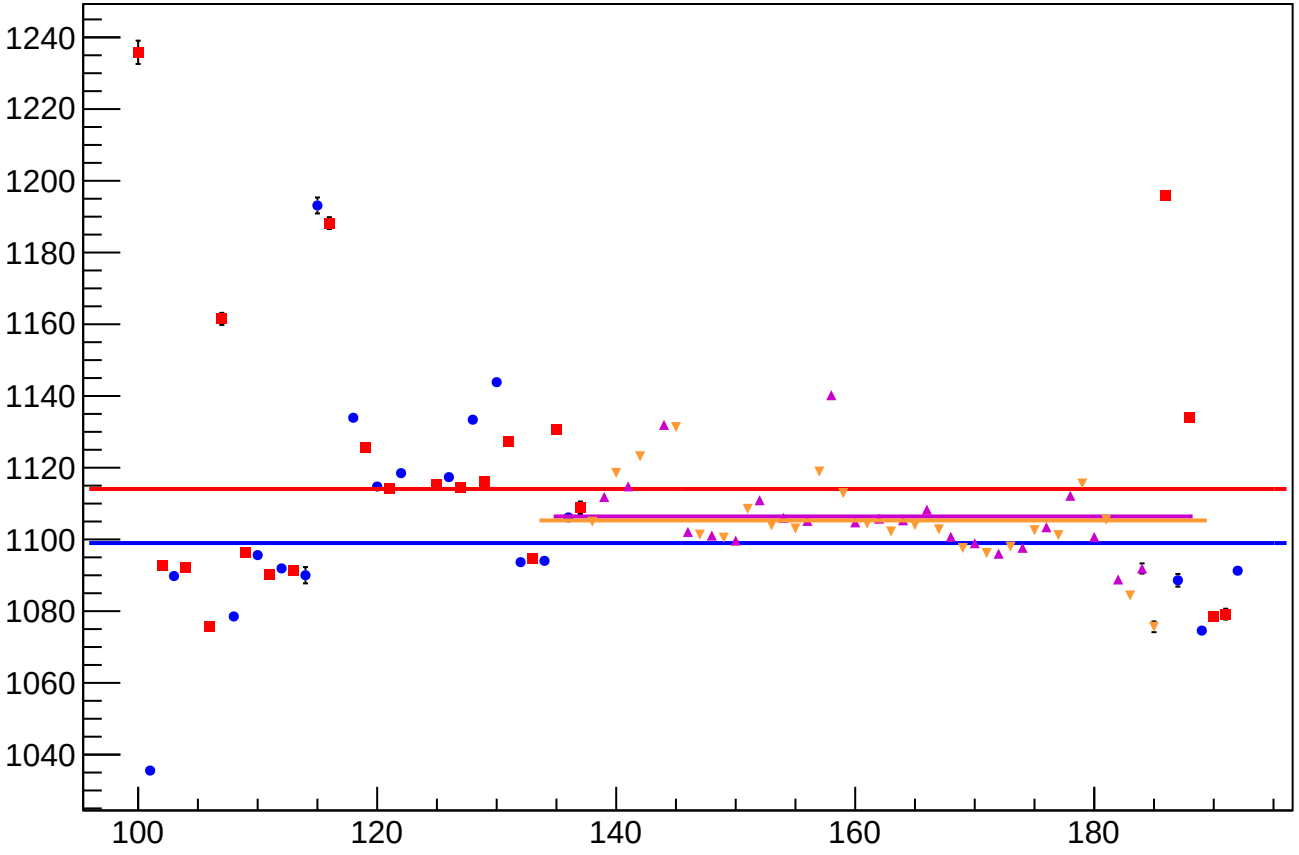
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1670.056+/-210.387 χ^2/NDF: 23.4/42

All: -122.762+/-148.927 χ^2/NDF: 206.1/87

- sign -1923.384+/-210.844 χ^2/NDF: 37.1/44

reg_asym_usl_rms vs Slug



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

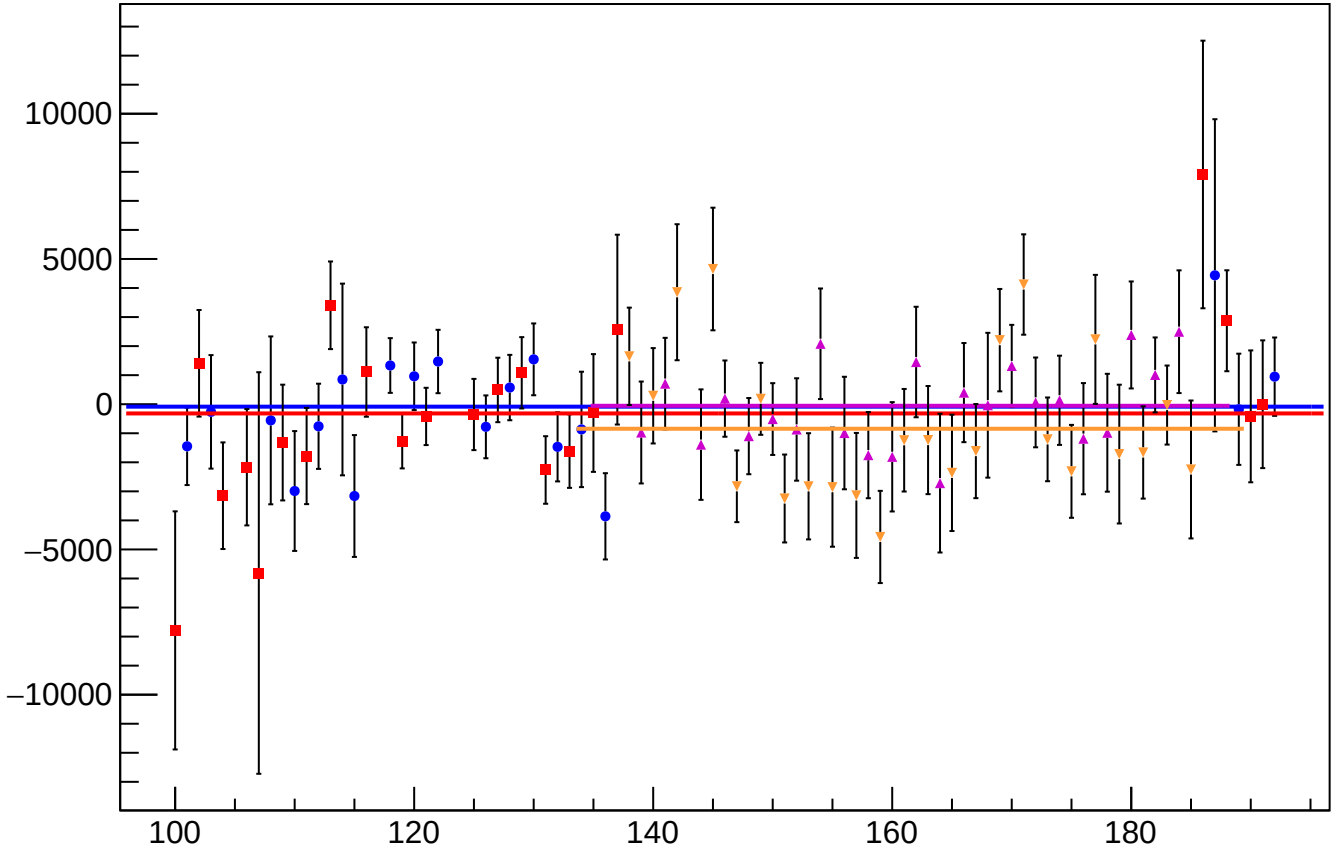
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1103.231+/-0.149 χ^2/NDF: 15708.1/42

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

- sign 1108.965+/-0.149 χ^2/NDF: 17945.0/44

asym_usl_reg_correction_mean vs Slug



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

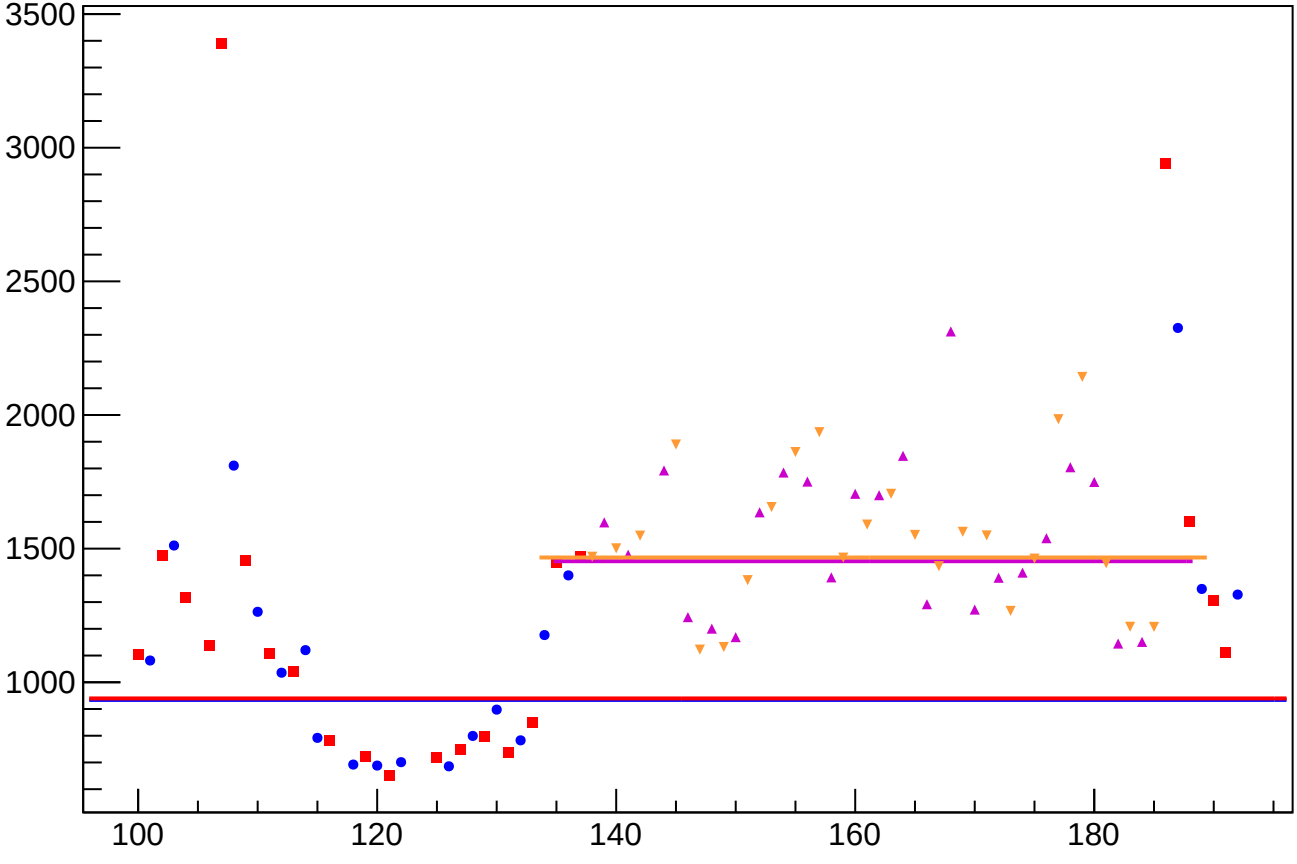
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -443.926+/-238.866 χ^2/NDF: 69.0/42

All: -318.045+/-168.888 χ^2/NDF: 113.1/87

- sign -192.213+/-238.821 χ^2/NDF: 43.5/44

asym_usl_reg_correction_rms vs Slug



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

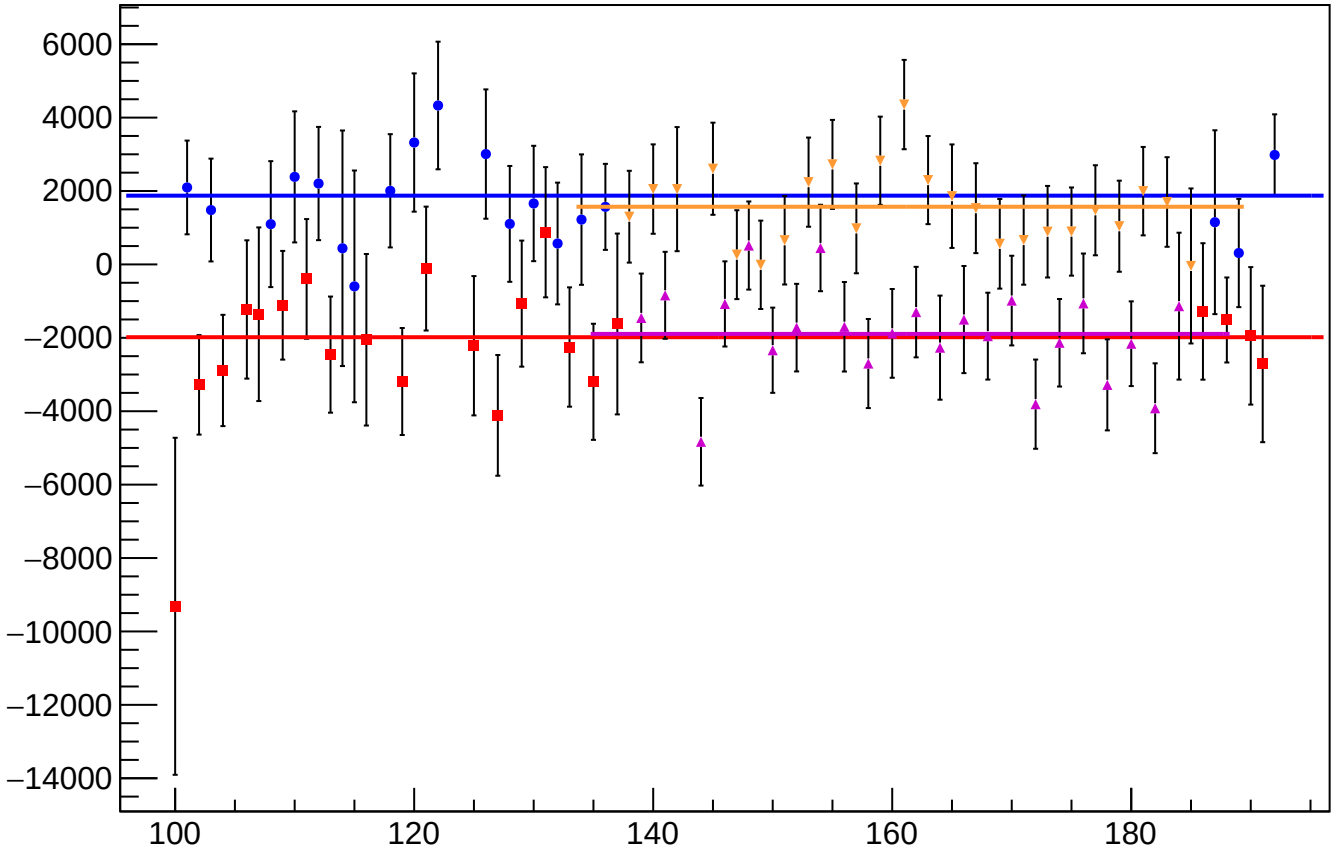
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1186.038+/-0.169 χ^2/NDF: 5089126.7/42

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

- sign 1184.198+/-0.169 χ^2/NDF: 5555051.5/44

cor_asym_usl_mean vs Slug



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

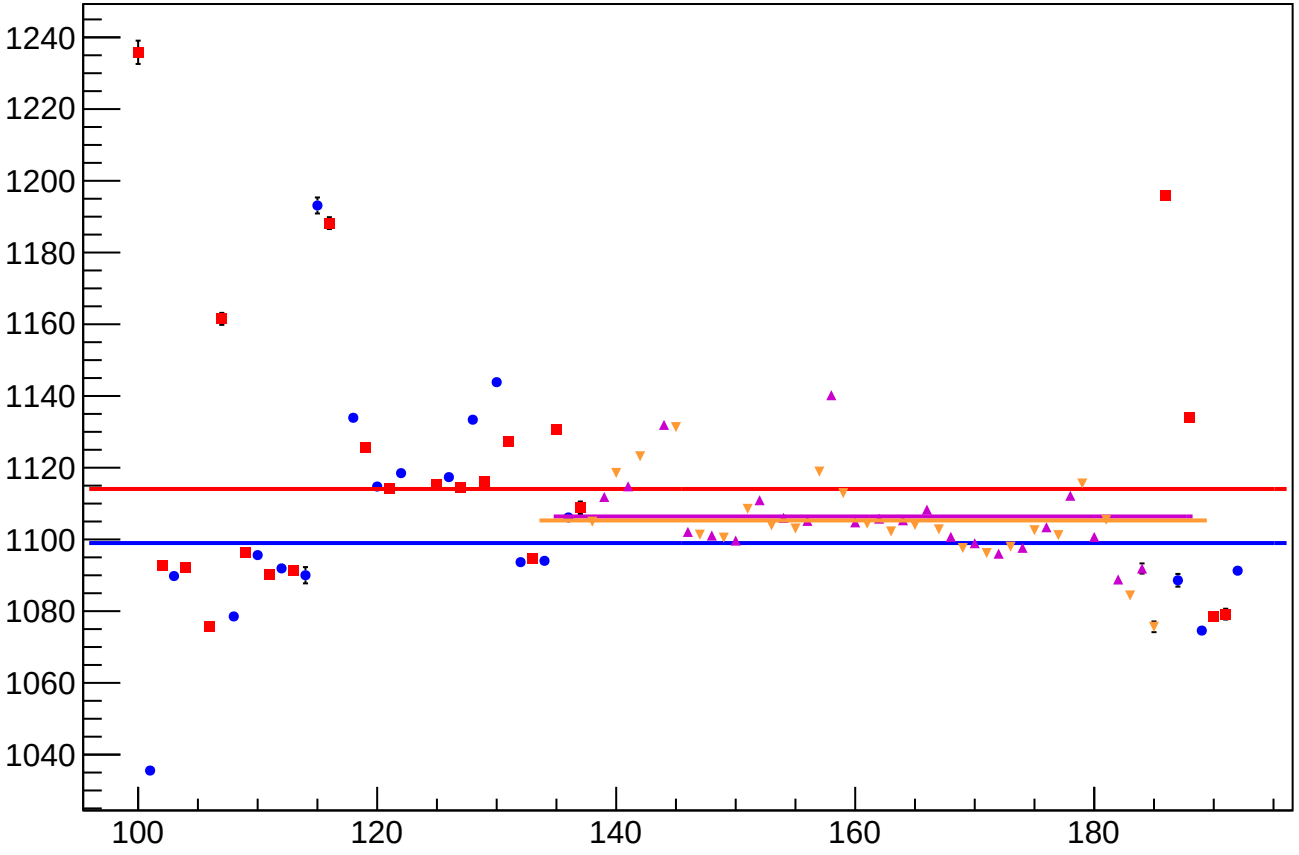
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1670.056+/-210.387 χ^2/NDF: 23.4/42

All: -122.760+/-148.927 χ^2/NDF: 206.0/87

- sign -1923.379+/-210.844 χ^2/NDF: 37.1/44

cor_asym_usl_rms vs Slug



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

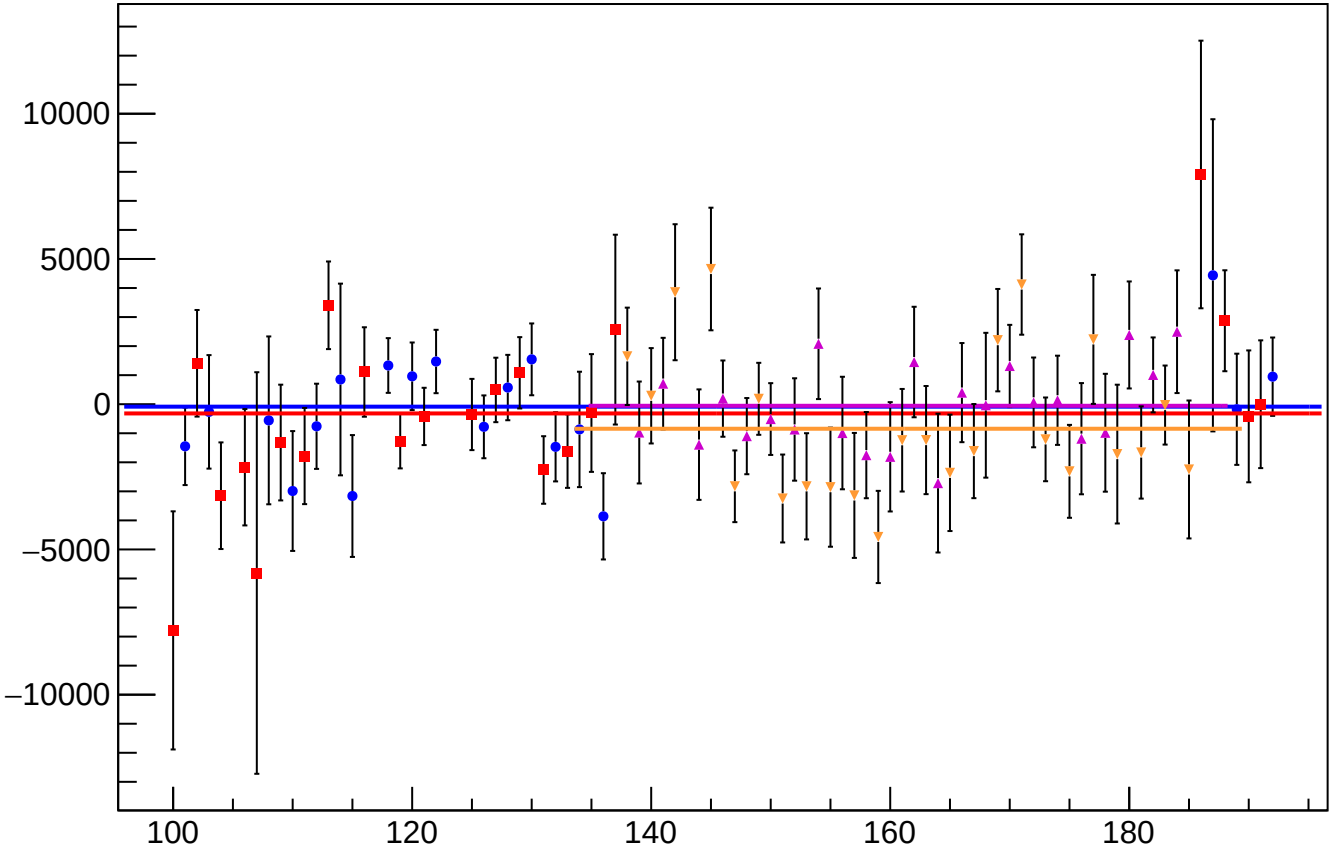
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1103.231+/-0.149 χ^2/NDF: 15708.1/42

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

- sign 1108.965+/-0.149 χ^2/NDF: 17945.0/44

asym_usl_cor_correction_mean vs Slug



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

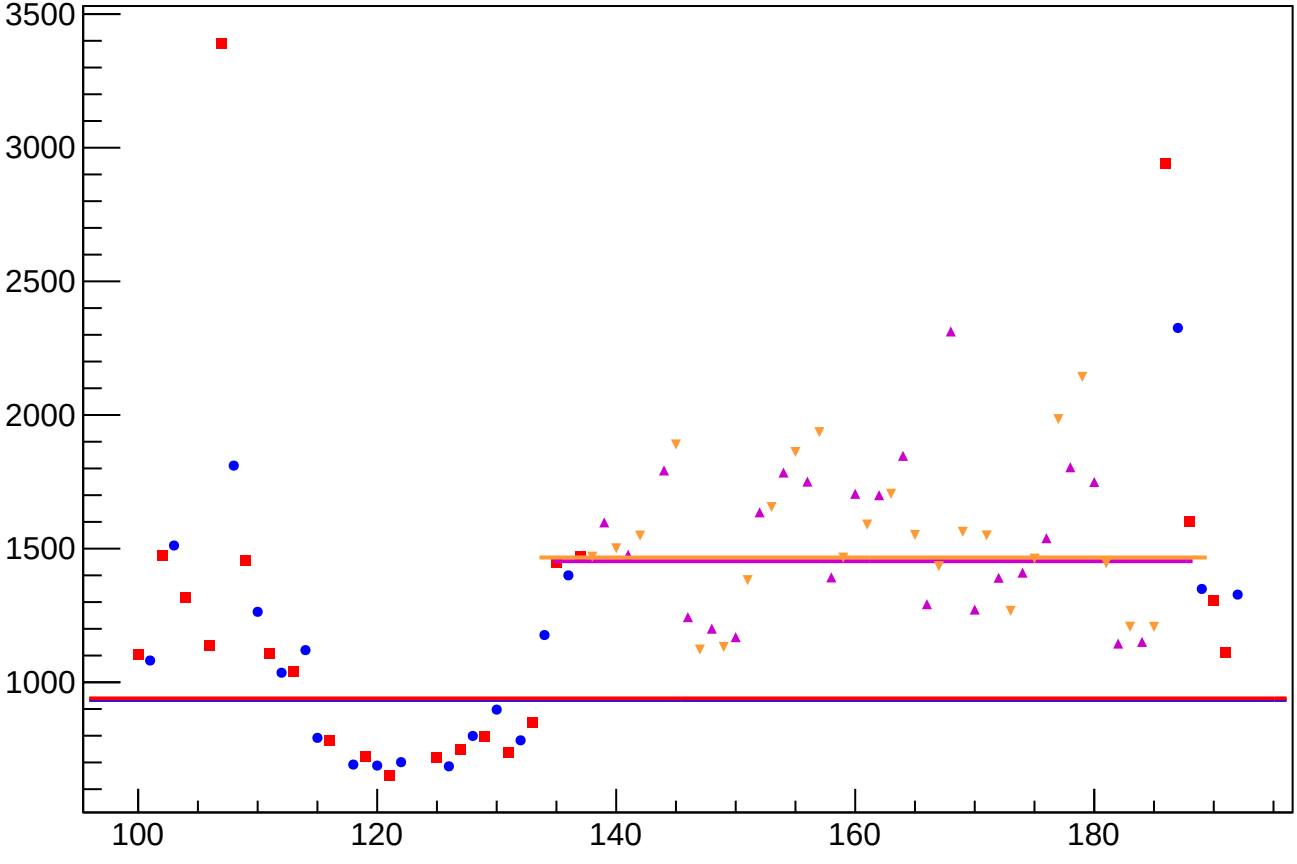
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -443.926+/-238.866 χ^2/NDF: 69.0/42

All: -318.045+/-168.888 χ^2/NDF: 113.1/87

- sign -192.213+/-238.821 χ^2/NDF: 43.5/44

asym_usl_cor_correction_rms vs Slug



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

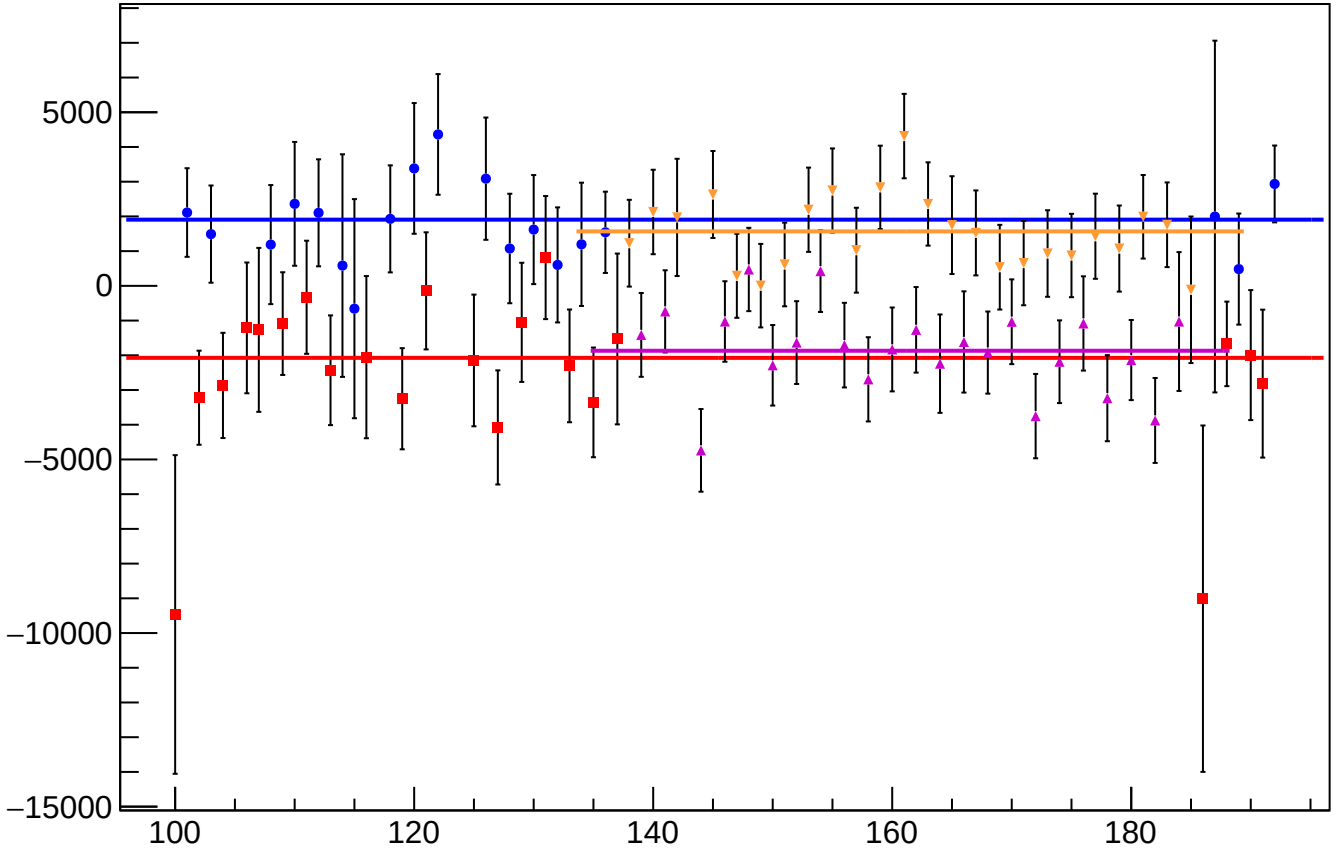
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1186.038+/-0.169 χ^2/NDF: 5089126.7/42

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

- sign 1184.198+/-0.169 χ^2/NDF: 5555052.3/44

overload_cor_asym_usl_mean vs Slug



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

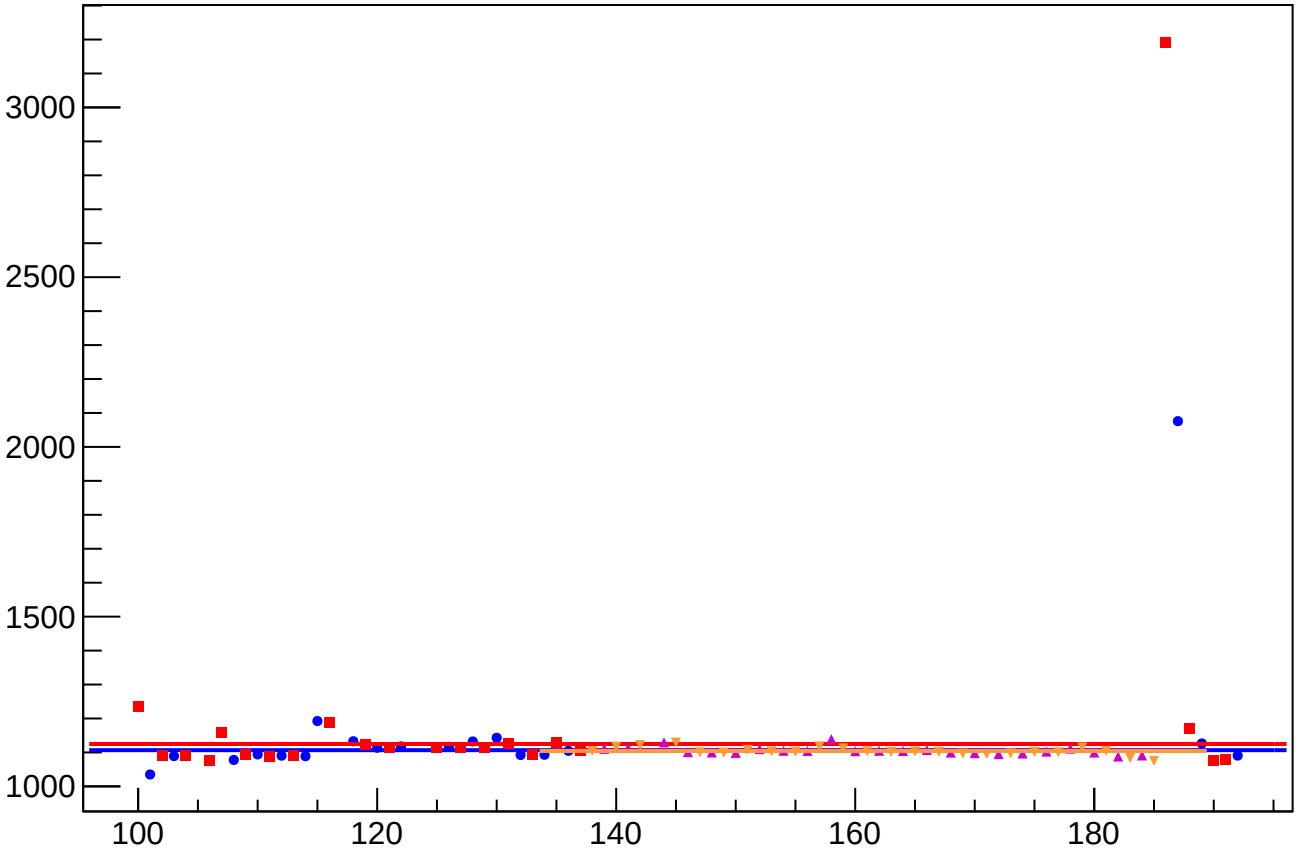
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1677.492+/-211.086 χ^2/NDF: 23.1/42

All: -119.727+/-149.644 χ^2/NDF: 207.3/87

- sign -1935.541+/-212.175 χ^2/NDF: 38.5/44

overload_cor_asym_usl_rms vs Slug



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

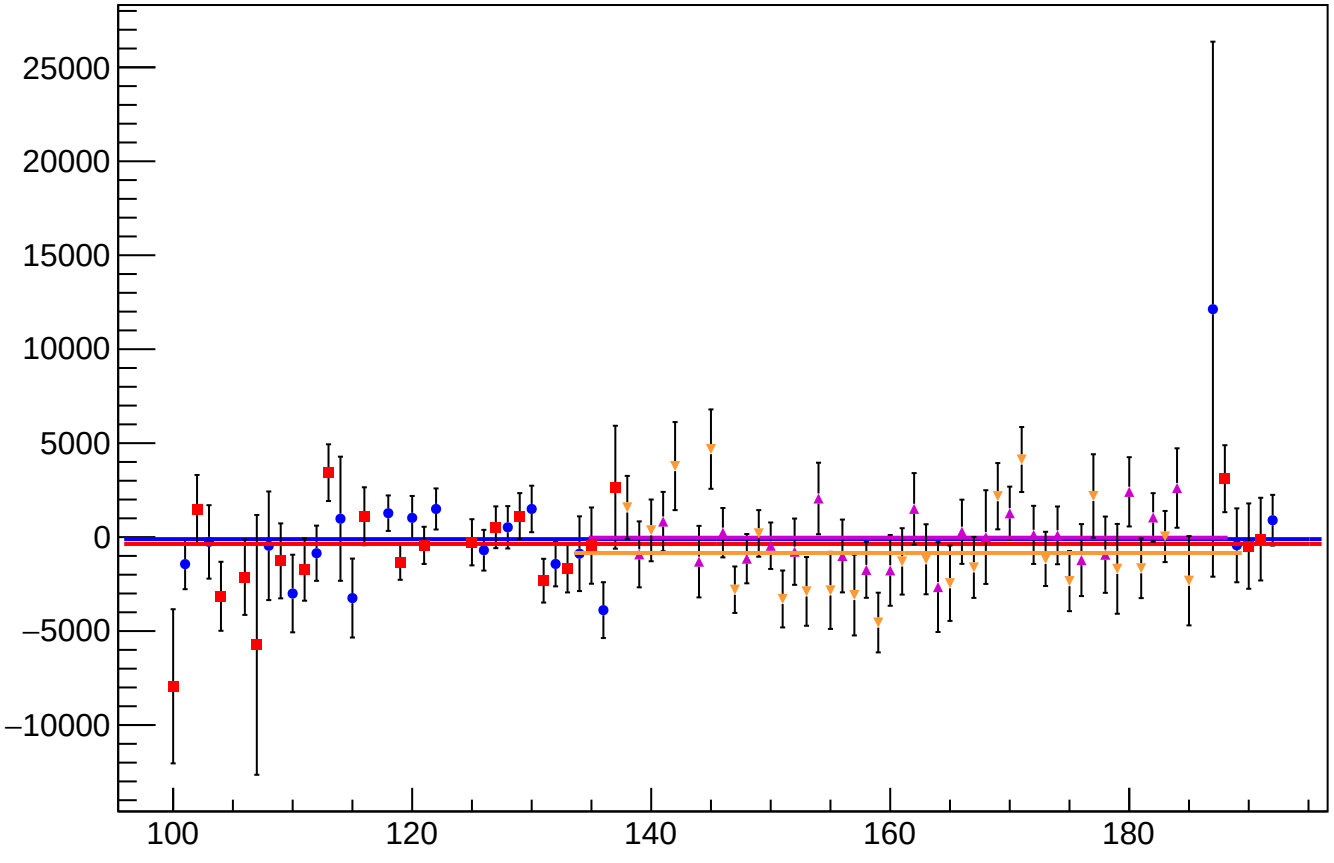
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1105.038+/-0.149 χ^2/NDF: 88653.4/42

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

- sign 1111.694+/-0.150 χ^2/NDF: 365808.5/44

asym_usl_overload_cor_correction_mean vs Slug



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

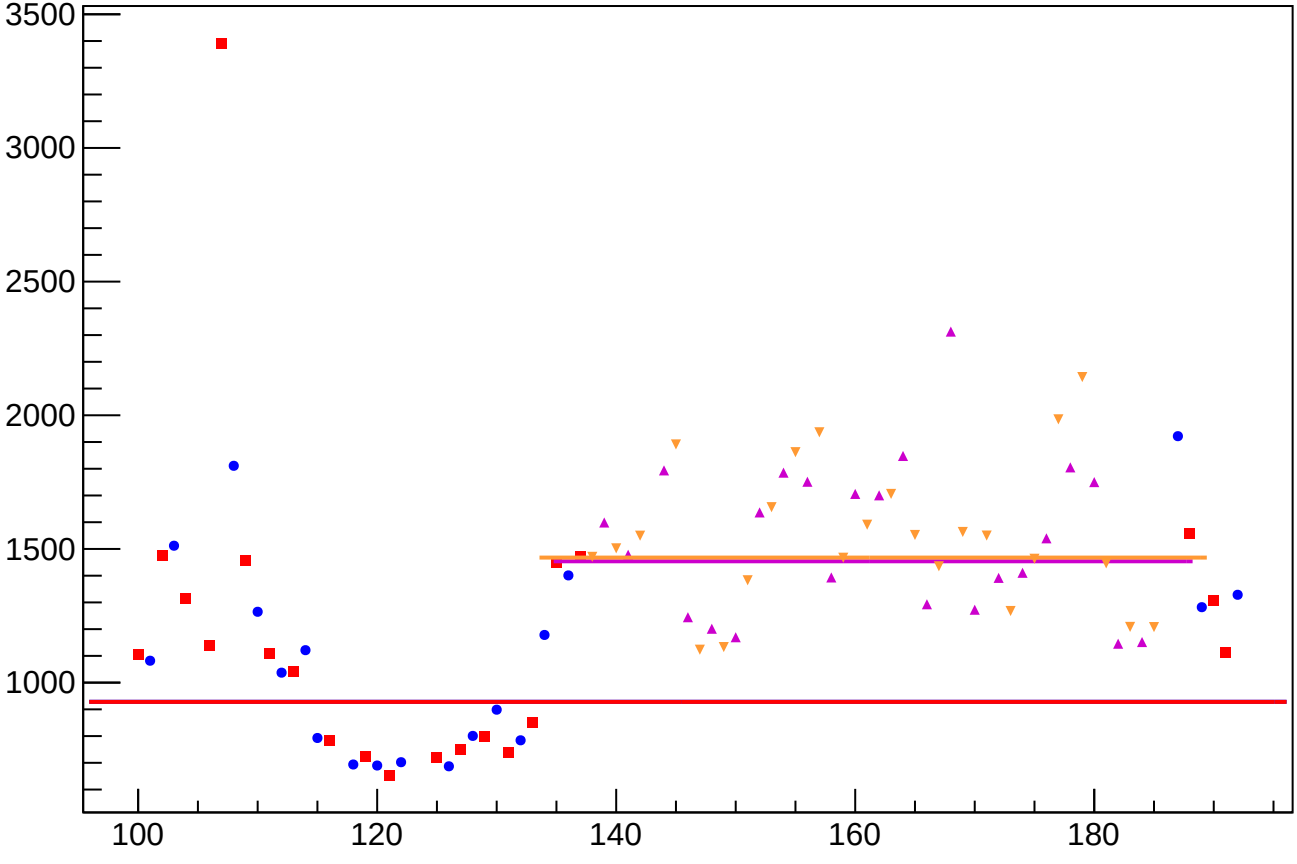
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -456.714+/-239.412 χ^2/NDF: 68.7/42

All: -330.719+/-169.318 χ^2/NDF: 110.7/86

- sign -204.641+/-239.491 χ^2/NDF: 41.4/43

asym_usl_overload_cor_correction_rms vs Slug



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

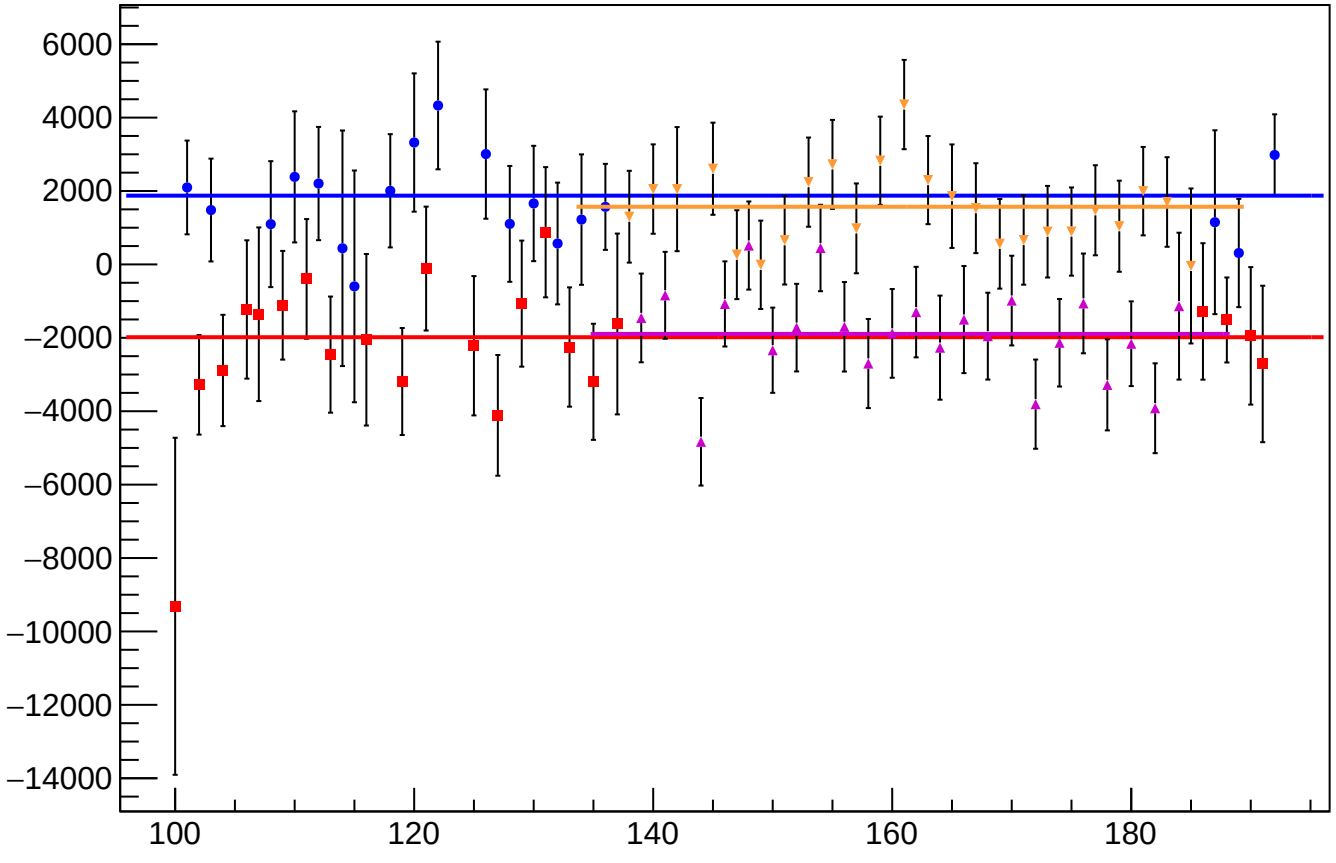
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1184.306+/-0.169 χ^2/NDF: 4975975.6/42

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

- sign 1179.665+/-0.169 χ^2/NDF: 5218524.5/43

eigen_cor_asym_usl_mean vs Slug



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

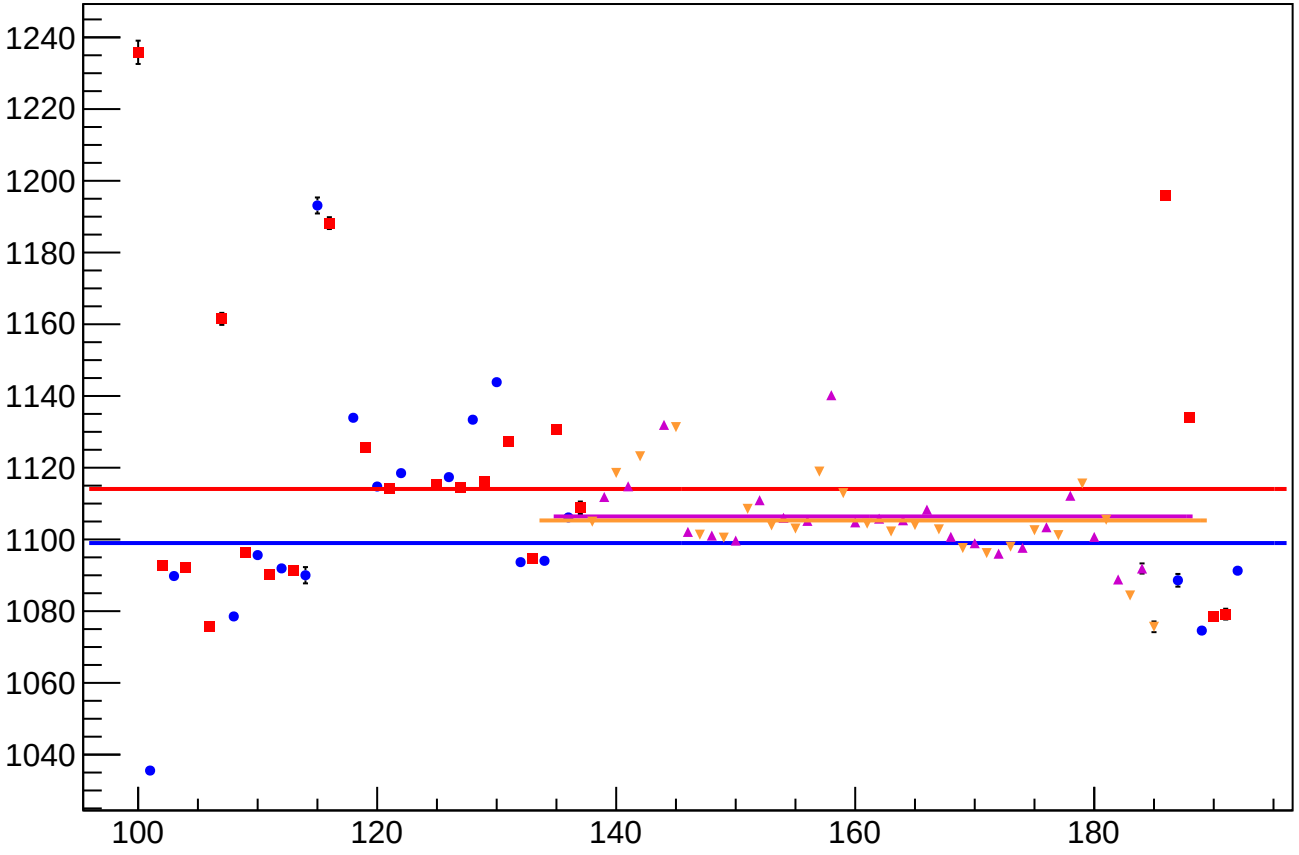
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1670.056+/-210.387 χ^2/NDF: 23.4/42

All: -122.760+/-148.927 χ^2/NDF: 206.0/87

- sign -1923.379+/-210.844 χ^2/NDF: 37.1/44

eigen_cor_asym_usl_rms vs Slug



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

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

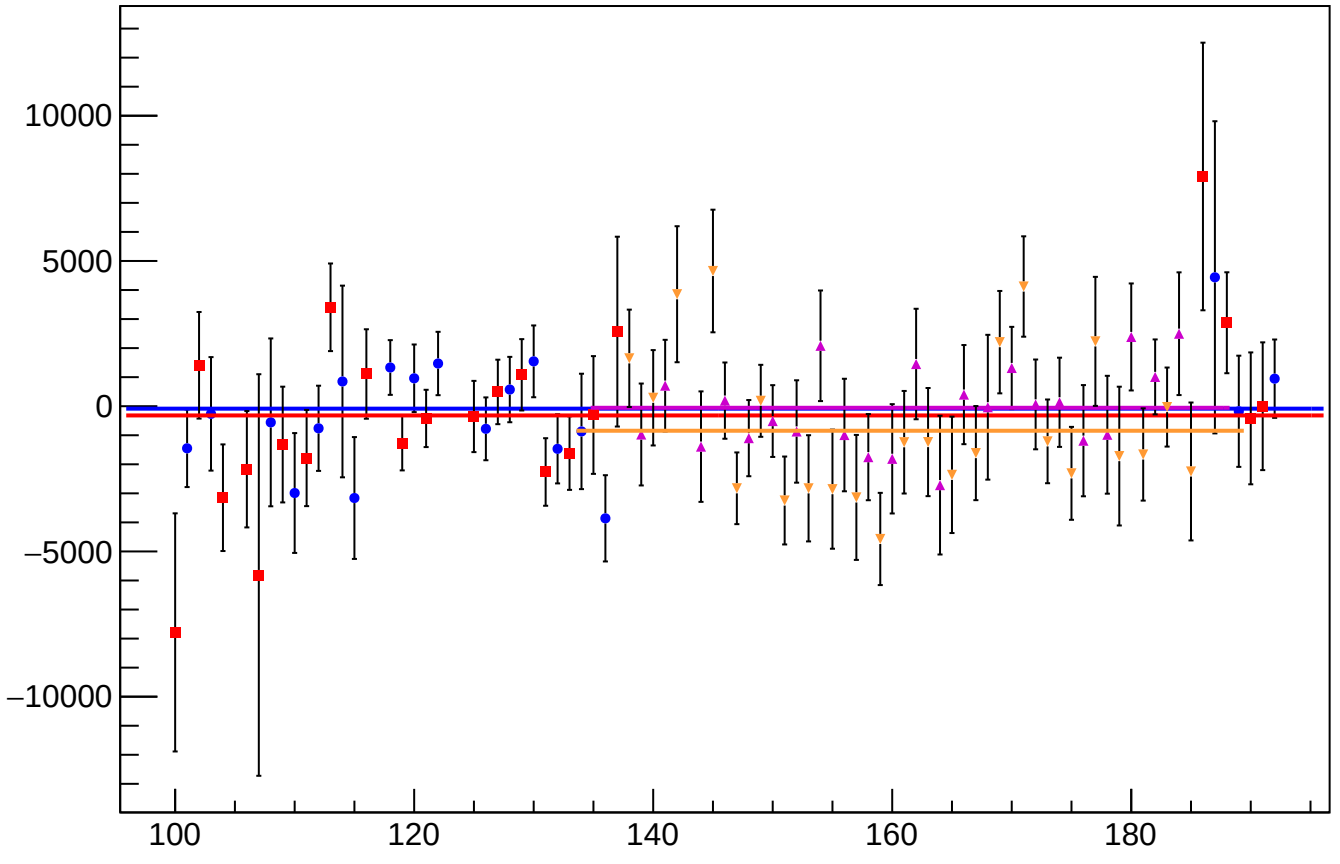
Right Out: 1114.072+/-0.258 χ^2/NDF: 13580.4/21

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

+ sign 1103.231+/-0.149 χ^2/NDF: 15708.1/42

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

- sign 1108.965+/-0.149 χ^2/NDF: 17945.0/44



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

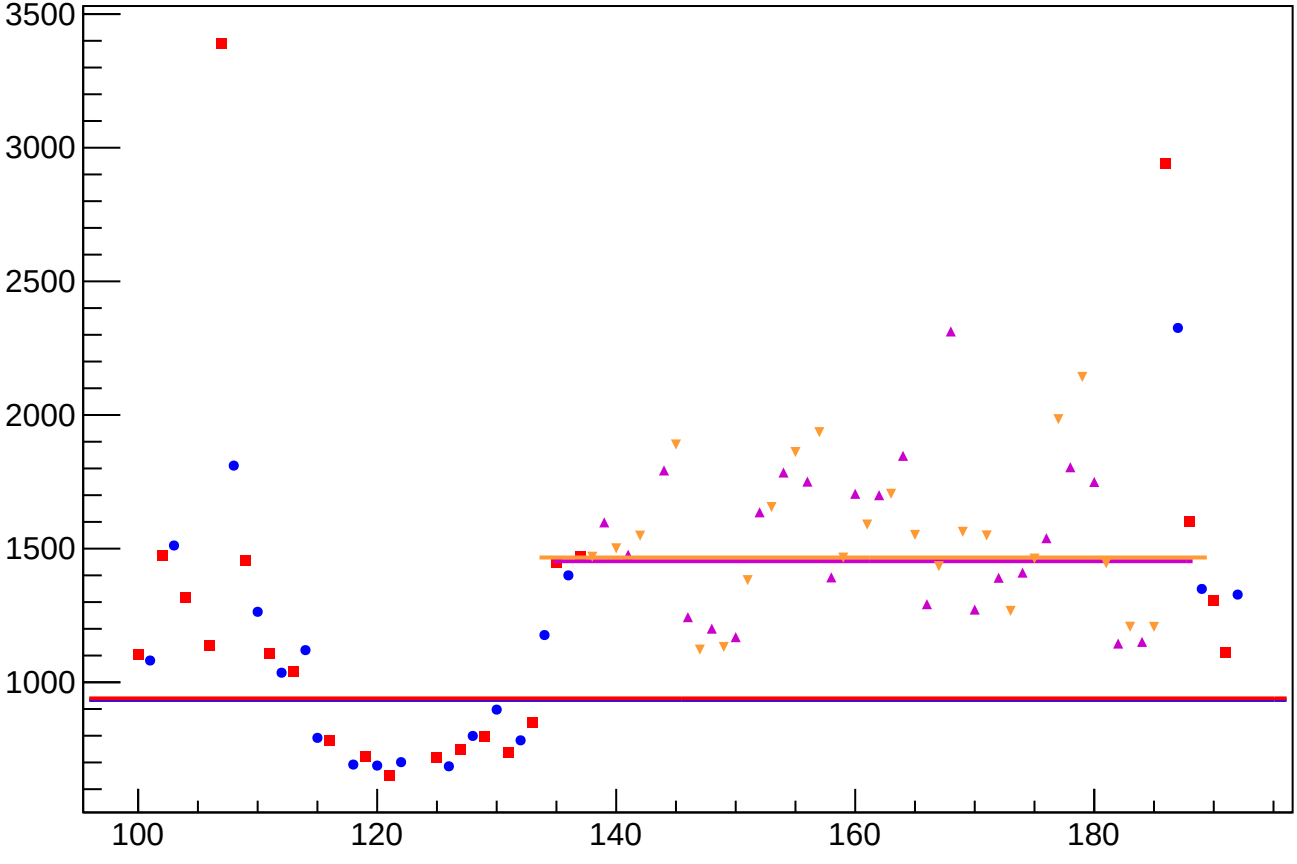
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -443.926+/-238.866 χ^2/NDF: 69.0/42

All: -318.045+/-168.888 χ^2/NDF: 113.1/87

- sign -192.213+/-238.821 χ^2/NDF: 43.5/44

asym_usl_eigen_cor_correction_rms vs Slug



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

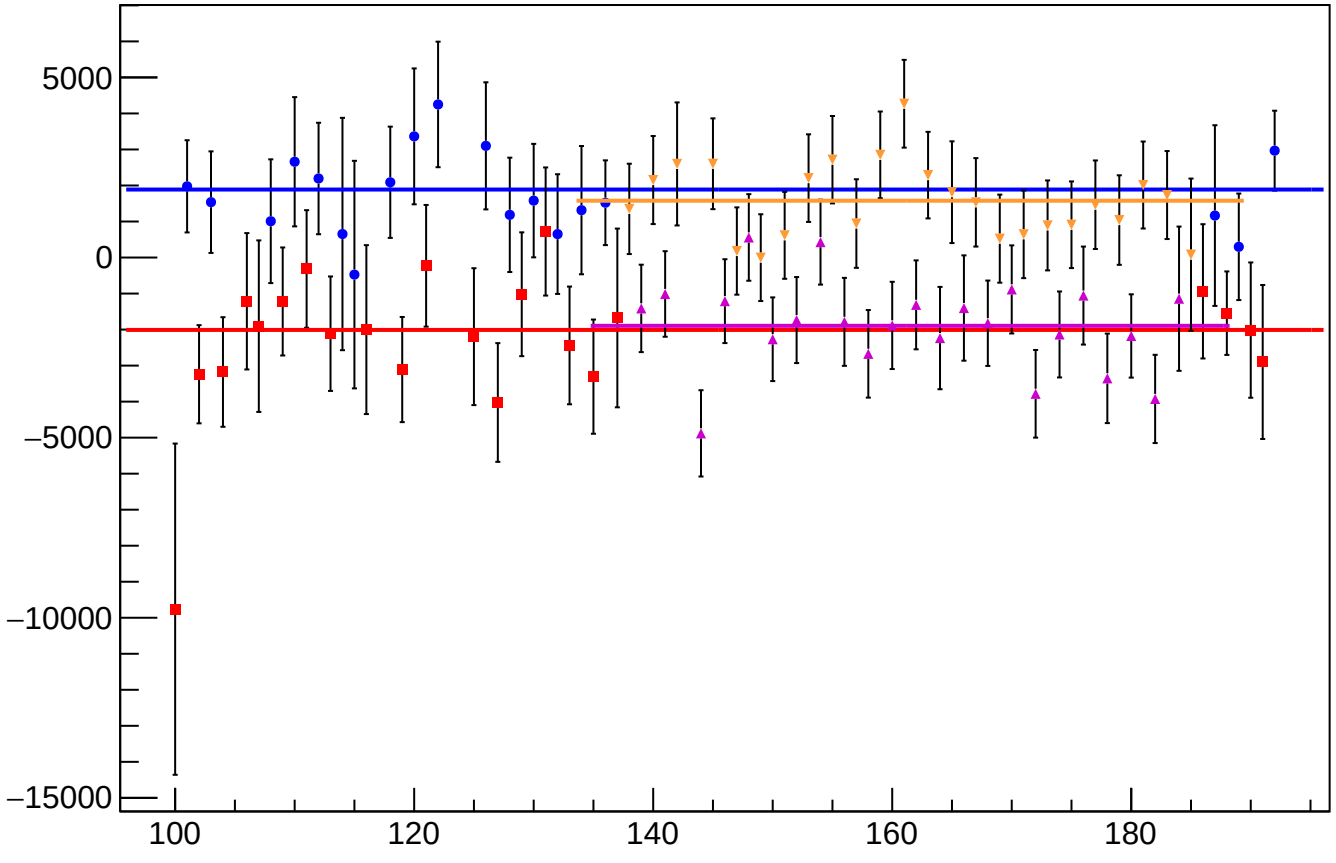
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1186.038+/-0.169 χ^2/NDF: 5089126.7/42

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

- sign 1184.198+/-0.169 χ^2/NDF: 5555052.3/44

dit_asym_usl_mean vs Slug



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

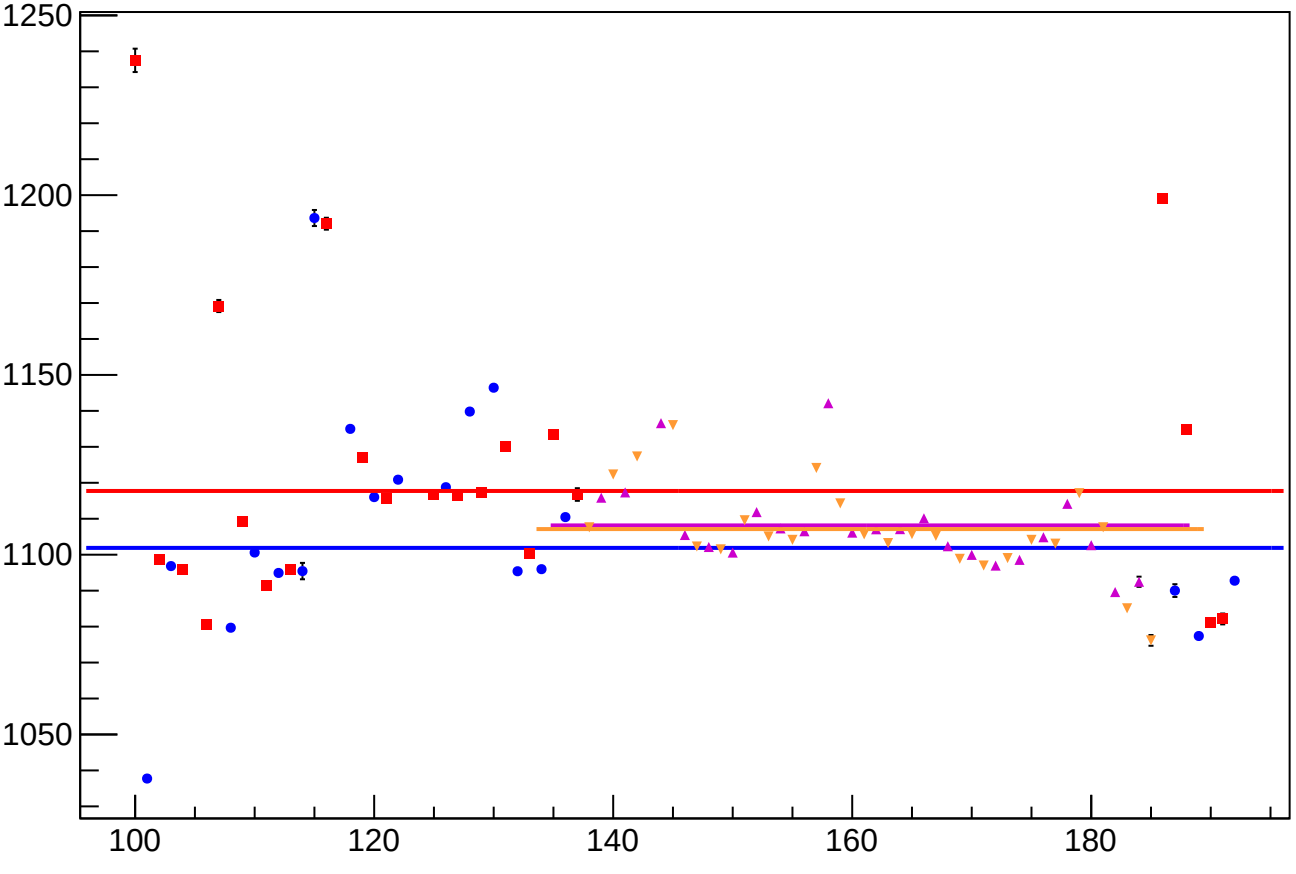
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1678.878+/-210.827 χ^2/NDF: 23.4/42

All: -123.267+/-149.244 χ^2/NDF: 207.1/87

- sign -1933.516+/-211.301 χ^2/NDF: 37.2/44

dit_asym_usl_rms vs Slug



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

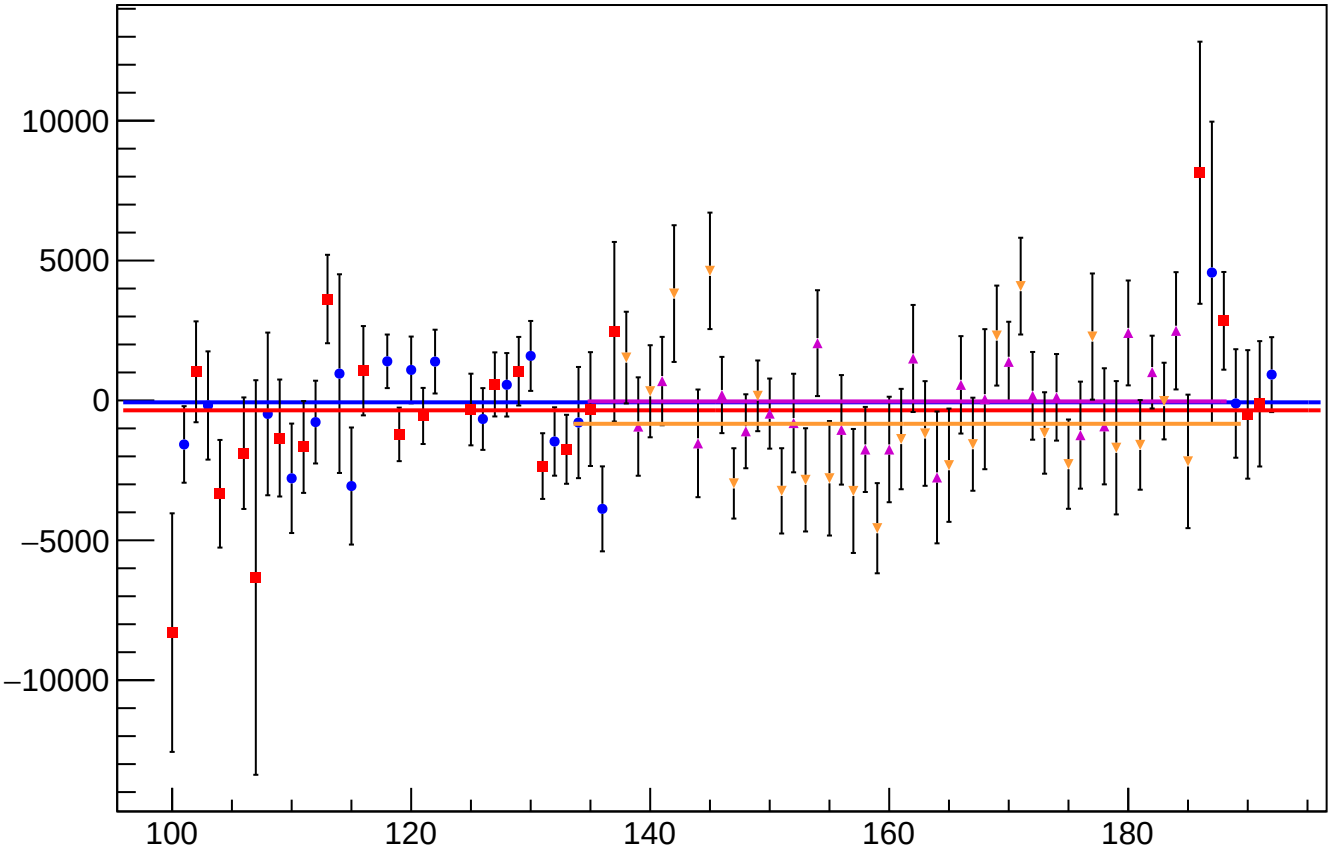
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1105.415+/-0.149 χ^2/NDF: 16257.4/42

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

- sign 1111.337+/-0.149 χ^2/NDF: 18096.9/44

asym_usl_dit_correction_mean vs Slug



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

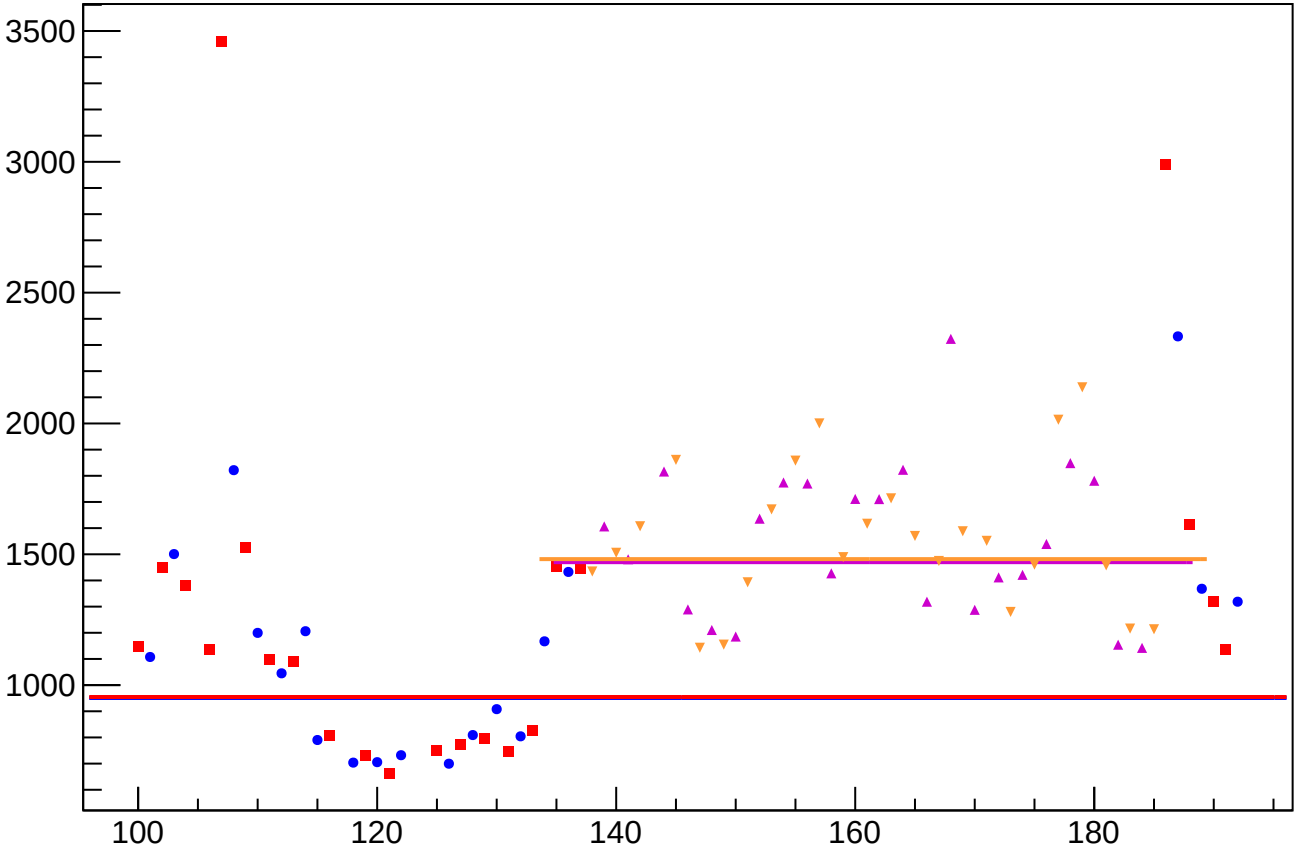
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -432.868+/-241.863 χ^2/NDF: 67.9/42

All: -317.115+/-171.043 χ^2/NDF: 112.1/87

- sign -201.307+/-241.920 χ^2/NDF: 43.7/44

asym_usl_dit_correction_rms vs Slug



Right In: 950.910+/-0.236 χ^2/NDF: 1486826.8/18

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

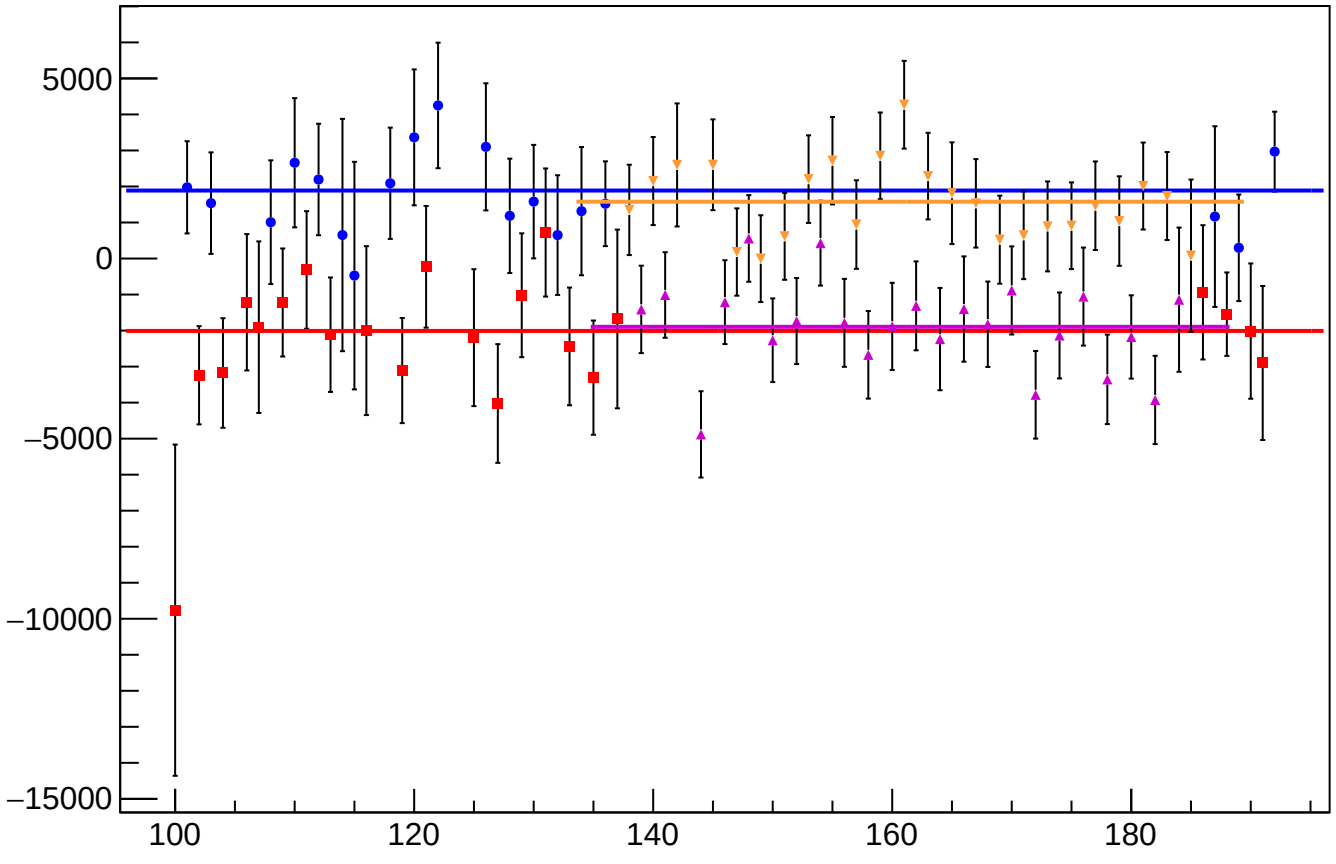
Right Out: 954.531+/-0.237 χ^2/NDF: 2106894.9/21

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

+ sign 1203.416+/-0.171 χ^2/NDF: 4905375.0/42

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

- sign 1201.268+/-0.171 χ^2/NDF: 5467069.3/44



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

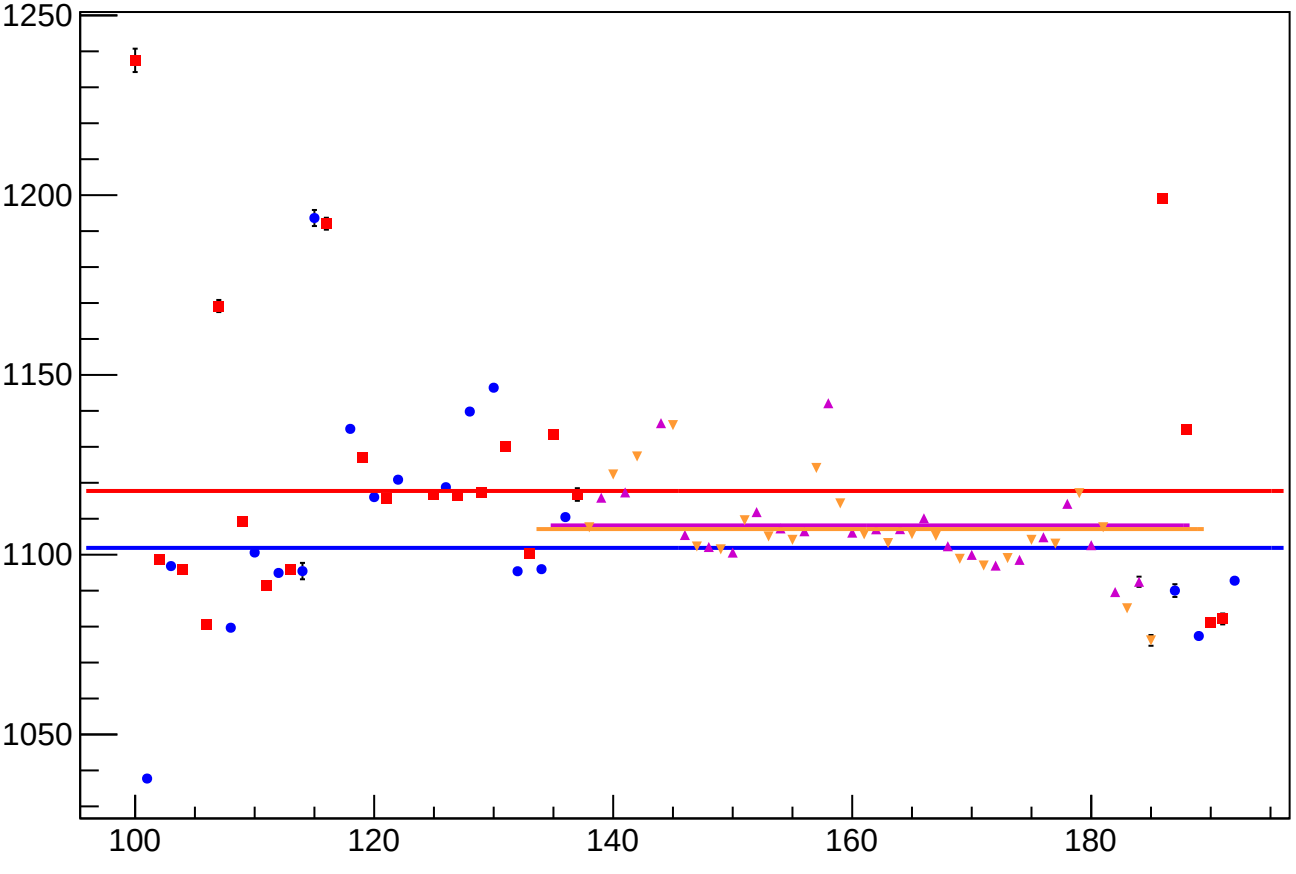
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

+ sign 1678.875+/-210.827 χ^2/NDF: 23.4/42

All: -123.268+/-149.244 χ^2/NDF: 207.1/87

- sign -1933.516+/-211.301 χ^2/NDF: 37.2/44

eigen_dit_asym_usl_rms vs Slug



Right In: 1101.894+/-0.261 χ^2/NDF: 12202.5/18

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

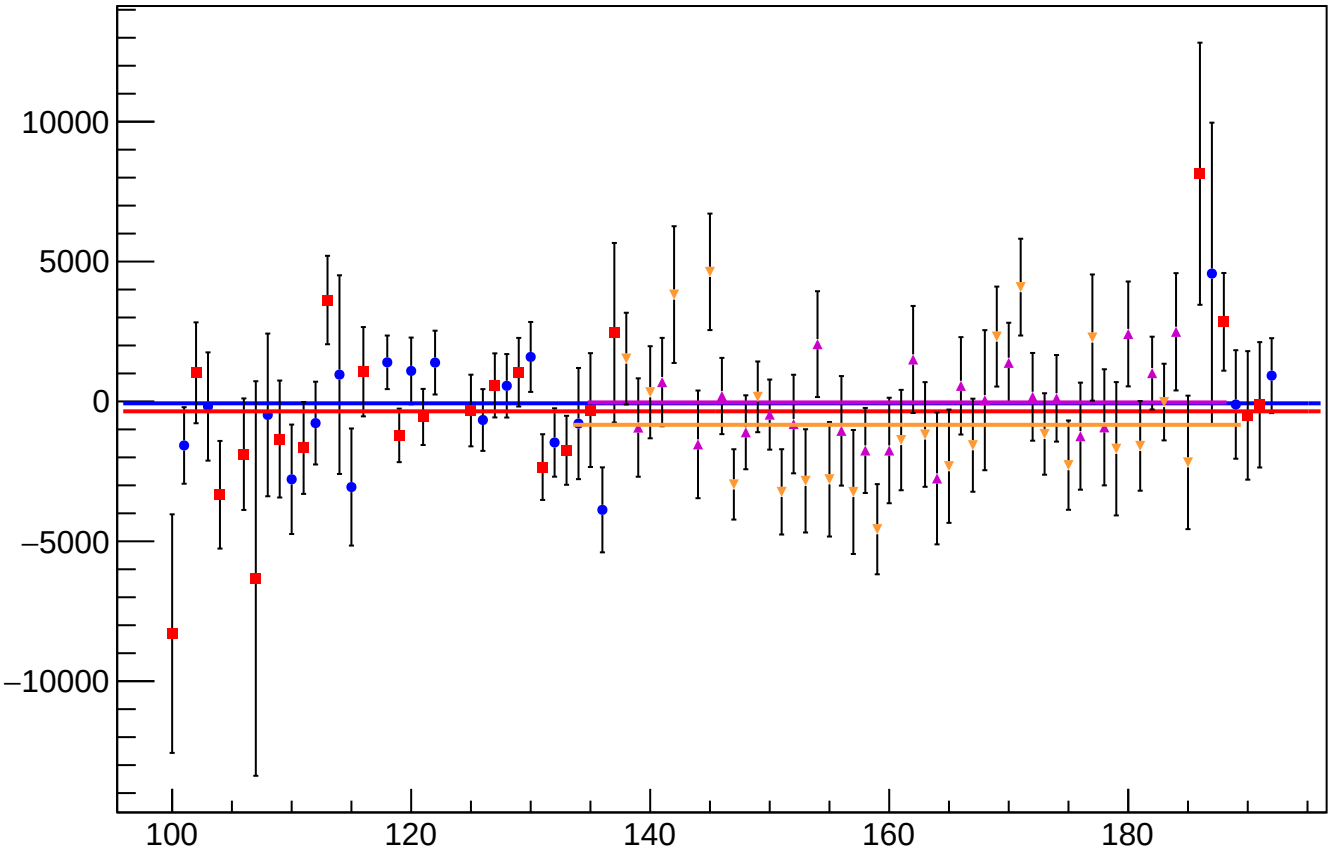
Right Out: 1117.726+/-0.259 χ^2/NDF: 12992.9/21

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

+ sign 1105.415+/-0.149 χ^2/NDF: 16257.4/42

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

- sign 1111.337+/-0.149 χ^2/NDF: 18096.8/44



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

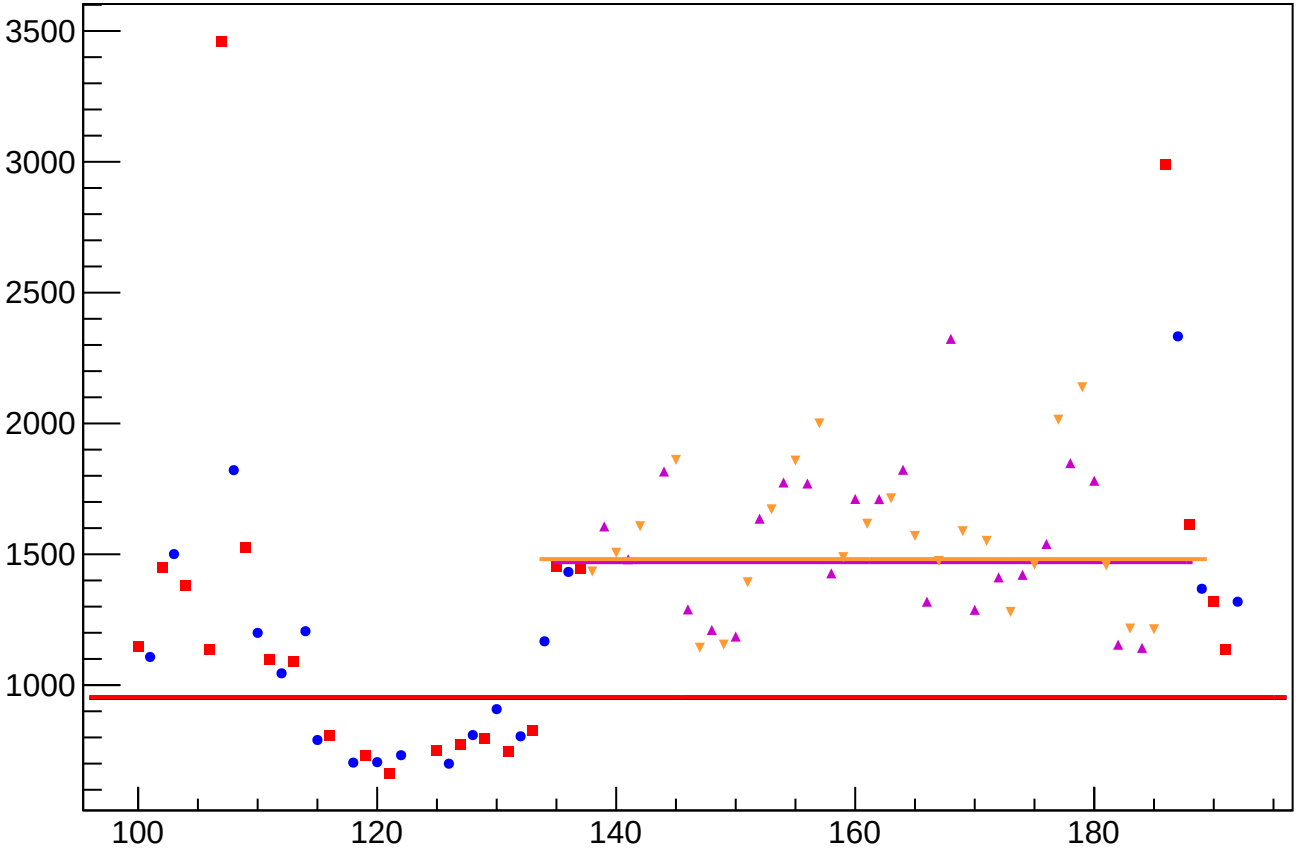
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -432.869+/-241.863 χ^2/NDF: 67.9/42

All: -317.115+/-171.043 χ^2/NDF: 112.1/87

- sign -201.307+/-241.920 χ^2/NDF: 43.7/44

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 950.908+/-0.236 χ^2/NDF: 1486834.1/18

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

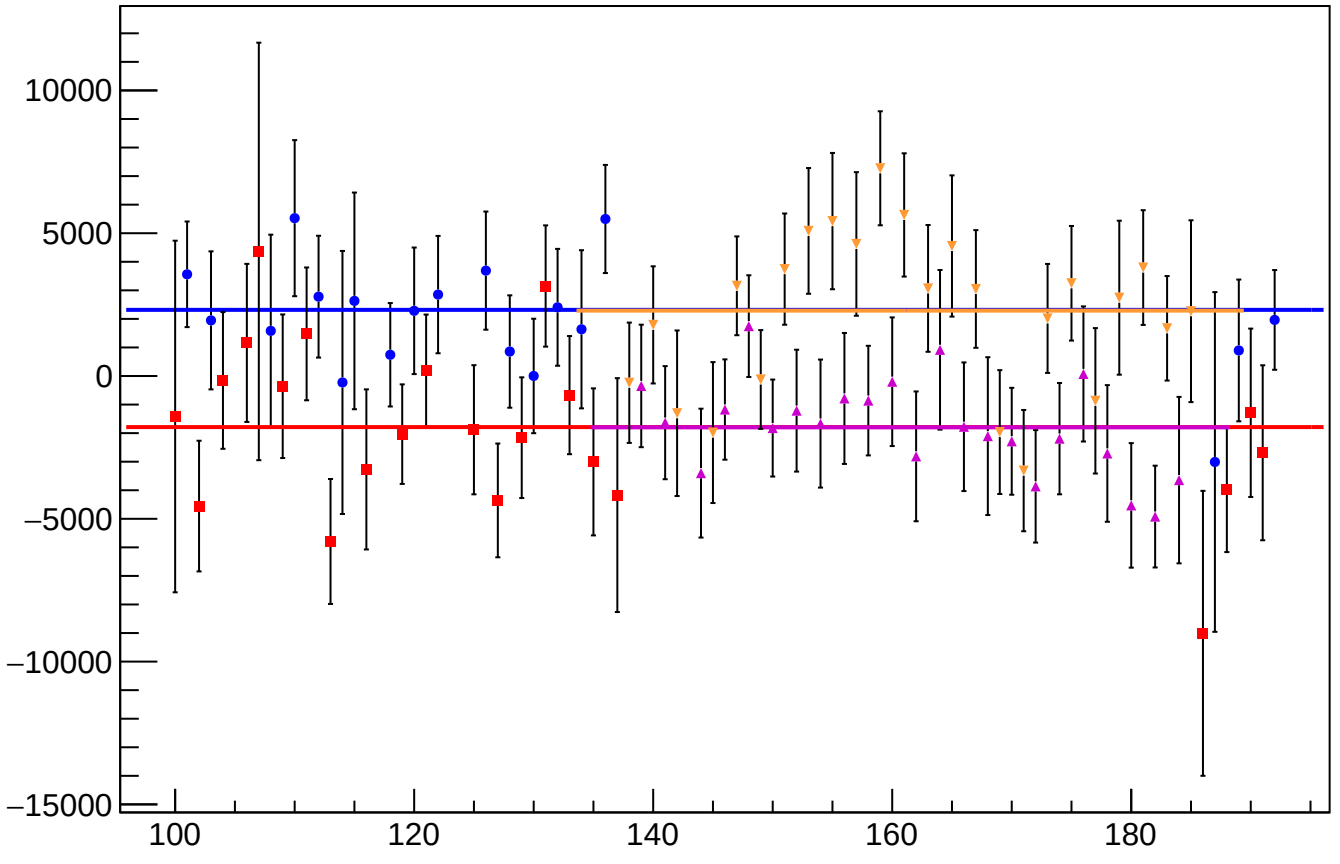
Right Out: 954.529+/-0.237 χ^2/NDF: 2106902.1/21

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

+ sign 1203.415+/-0.171 χ^2/NDF: 4905411.8/42

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

- sign 1201.267+/-0.171 χ^2/NDF: 5467106.9/44



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

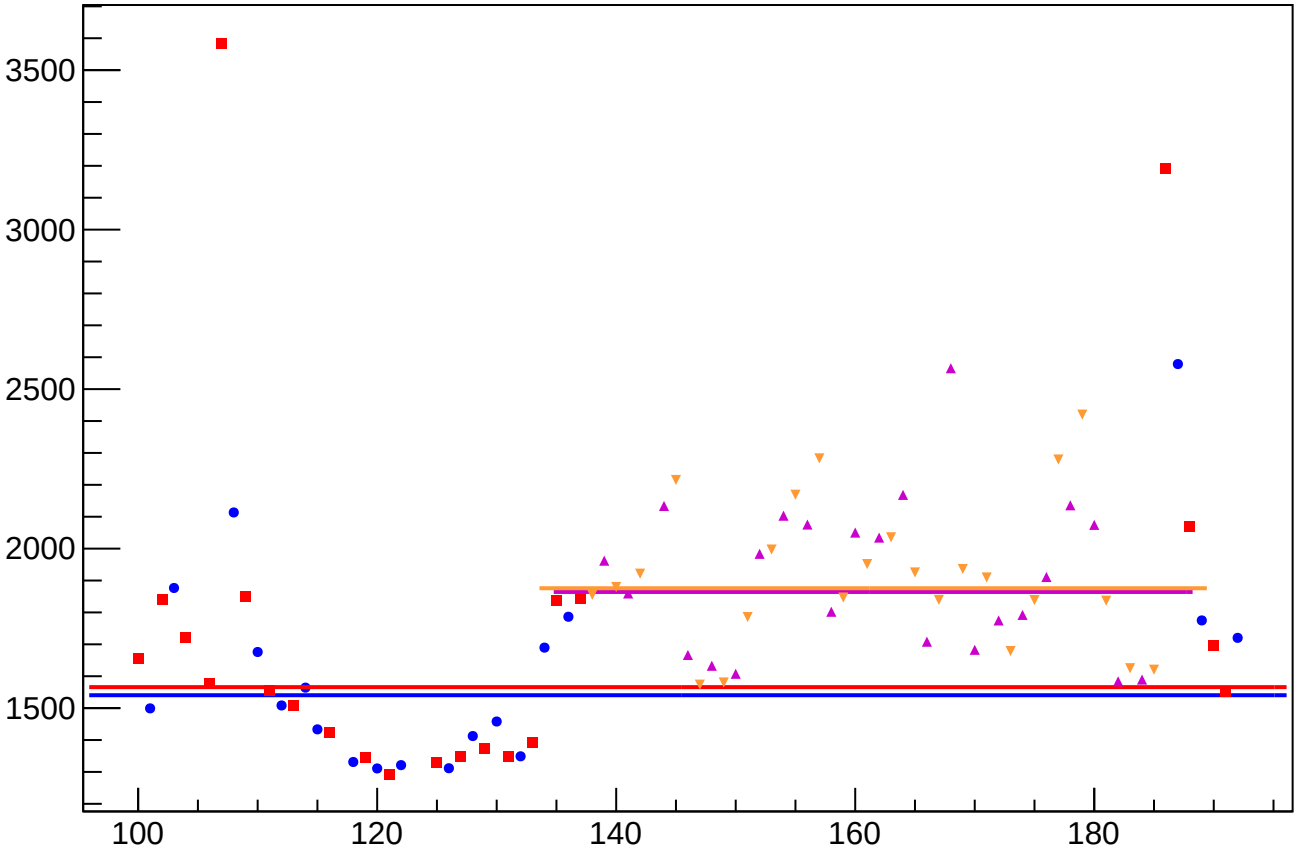
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2300.892+/-336.015 χ^2/NDF: 45.5/42

All: 259.740+/-237.938 χ^2/NDF: 155.7/87

- sign -1793.123+/-336.977 χ^2/NDF: 36.2/44

asym_usl_rms vs Slug



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

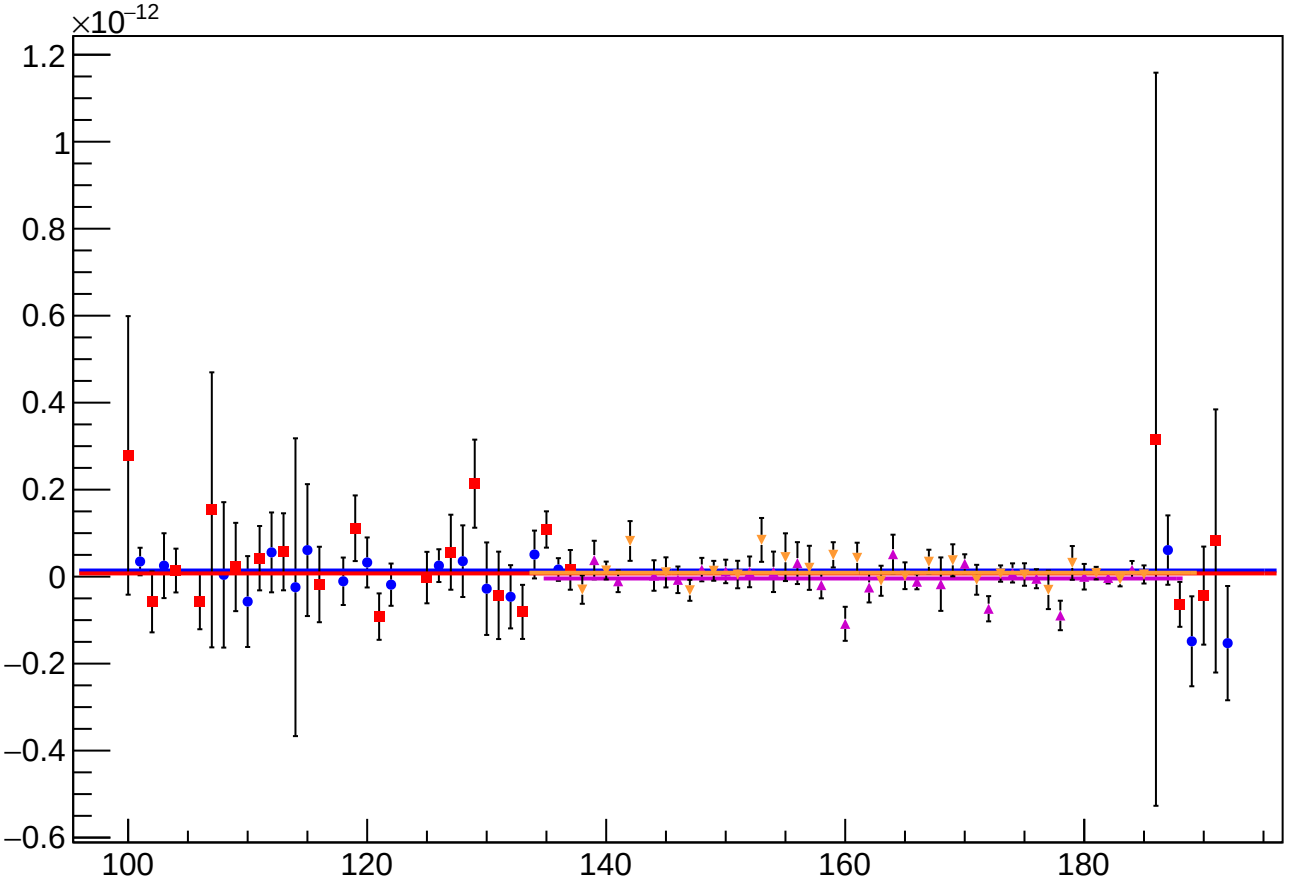
Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

+ sign 1736.620+/-0.238 χ^2/NDF: 1325267.6/42

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

- sign 1741.493+/-0.238 χ^2/NDF: 1636333.1/44

asym_usl_reg_vs_cor_diff_mean vs Slug



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

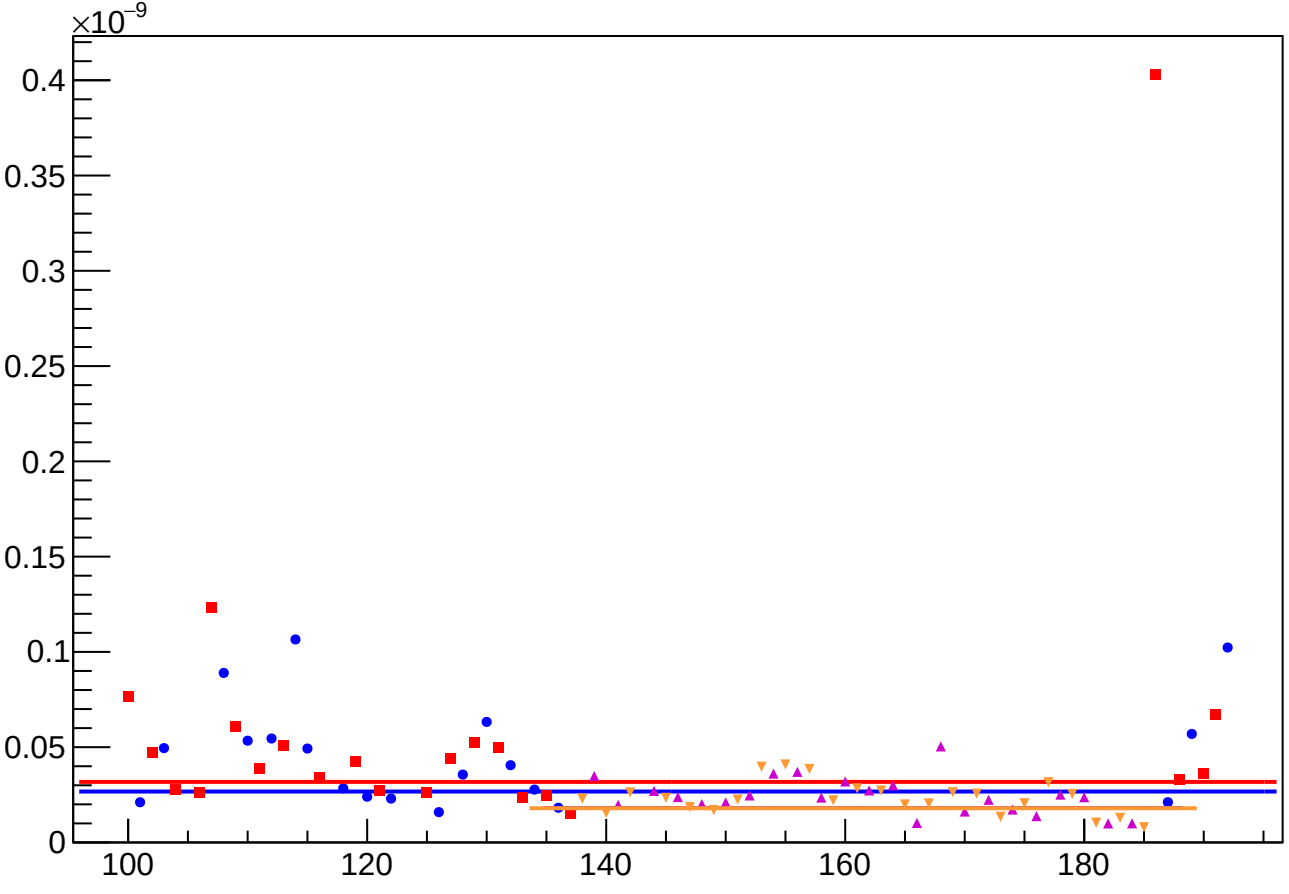
Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 24.6/42

All: 0.000+/-0.000 χ^2/NDF: 80.1/87

- sign -0.000+/-0.000 χ^2/NDF: 52.4/44

asym_usl_reg_vs_cor_diff_rms vs Slug



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

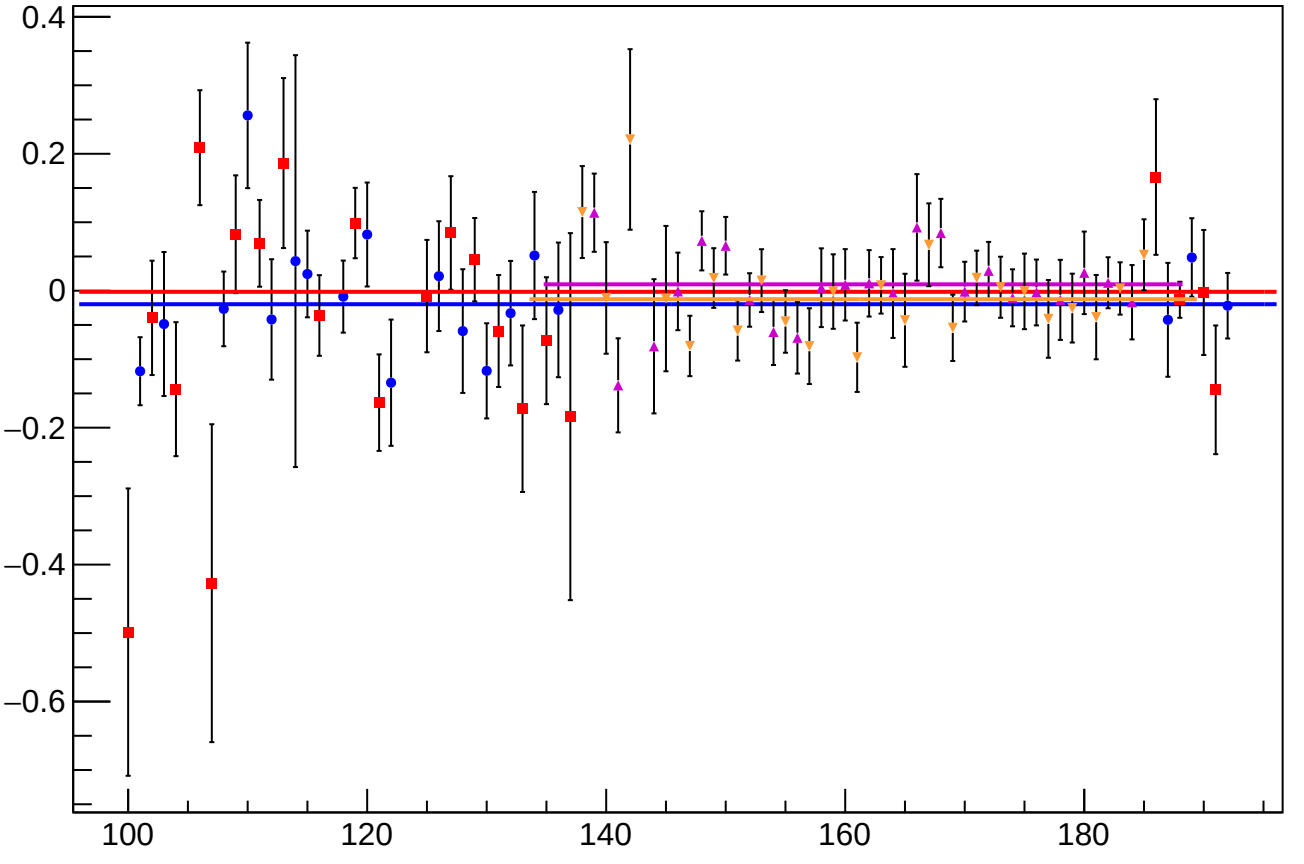
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6813473.7/42

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

- sign 0.000+/-0.000 χ^2/NDF: 7269707.1/44

asym_usl_dit_vs_cor_diff_mean vs Slug



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

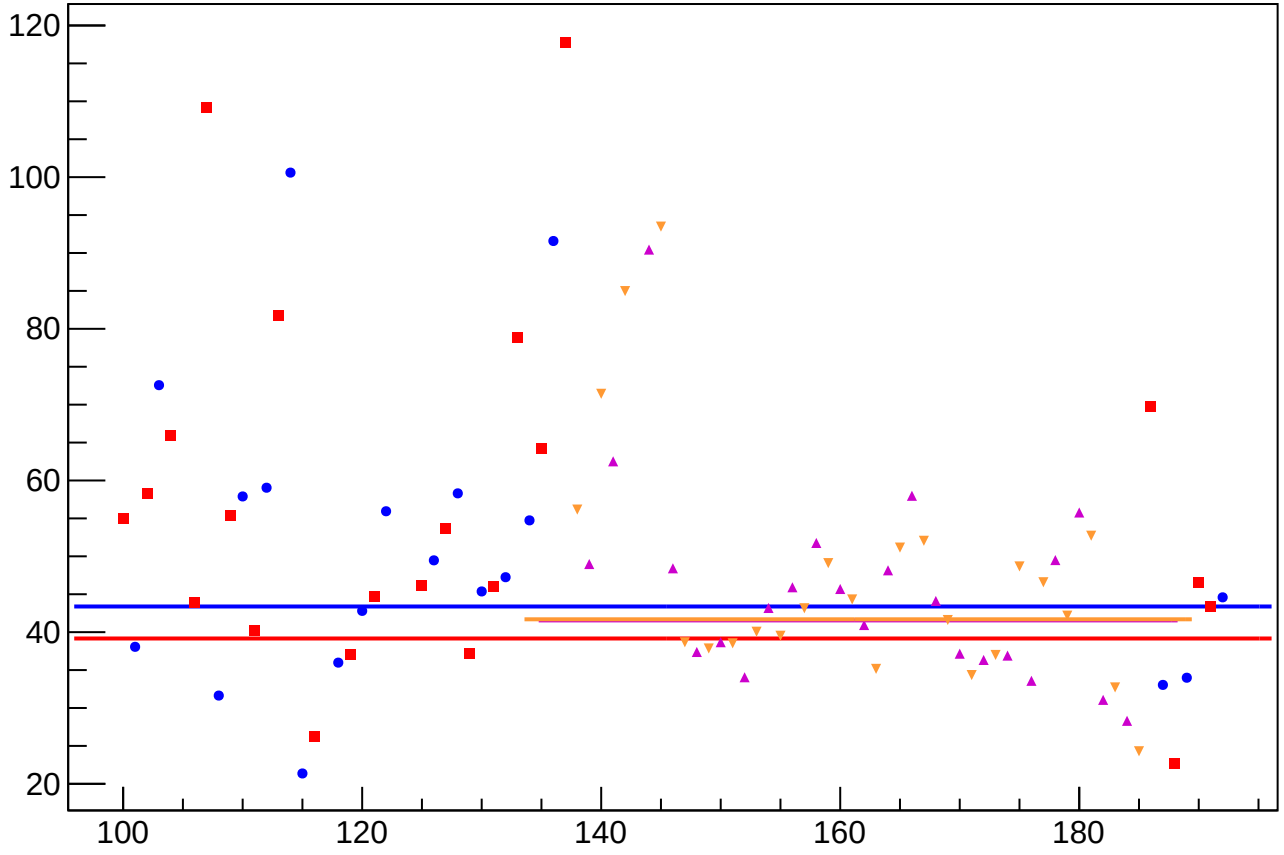
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.015+/-0.009 χ^2/NDF: 41.3/42

All: -0.004+/-0.006 χ^2/NDF: 107.7/87

- sign 0.006+/-0.009 χ^2/NDF: 63.7/44

asym_usl_dit_vs_cor_diff_rms vs Slug



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

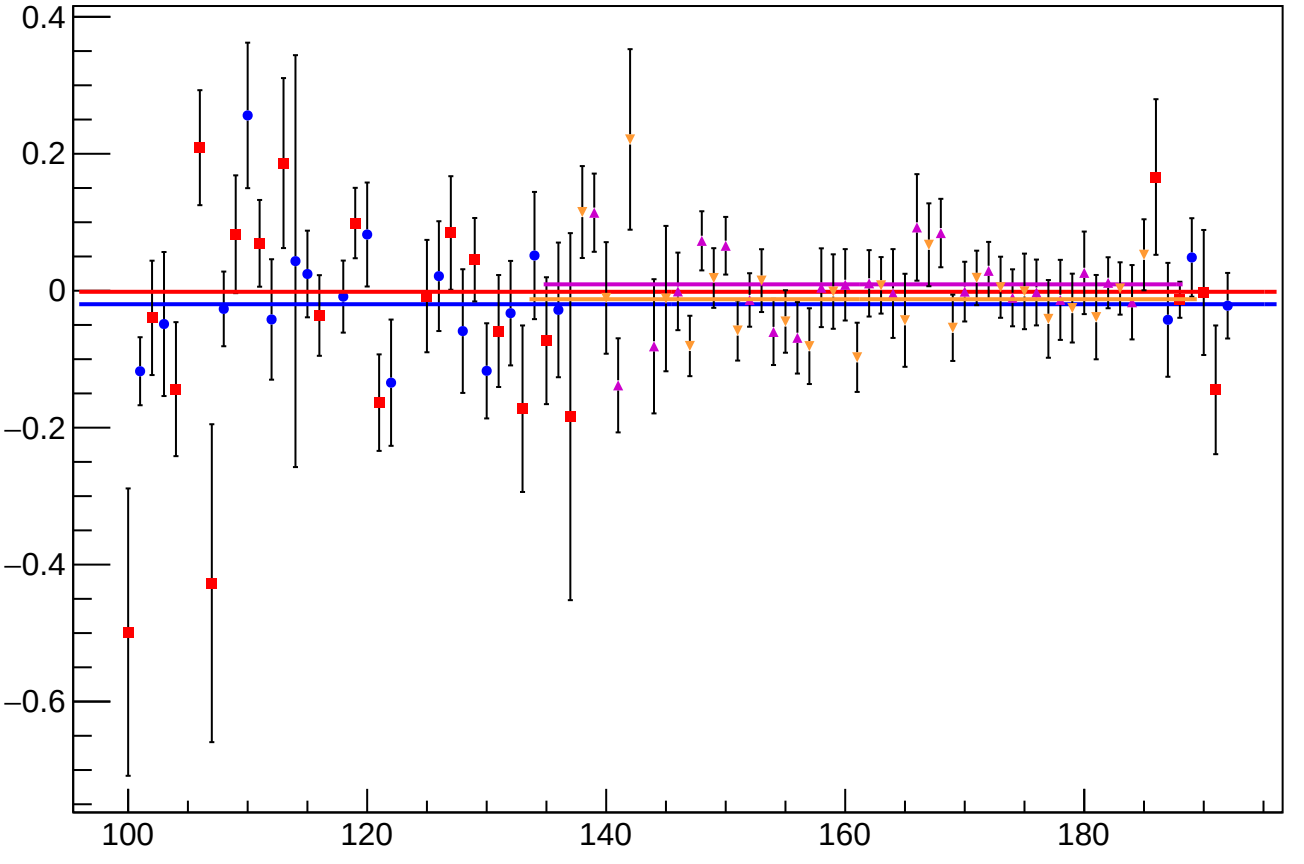
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

\+ sign 42.186+/-0.006 χ^2/NDF: 3267646.4/42

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

\- sign 40.771+/-0.006 χ^2/NDF: 4085877.0/44

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



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

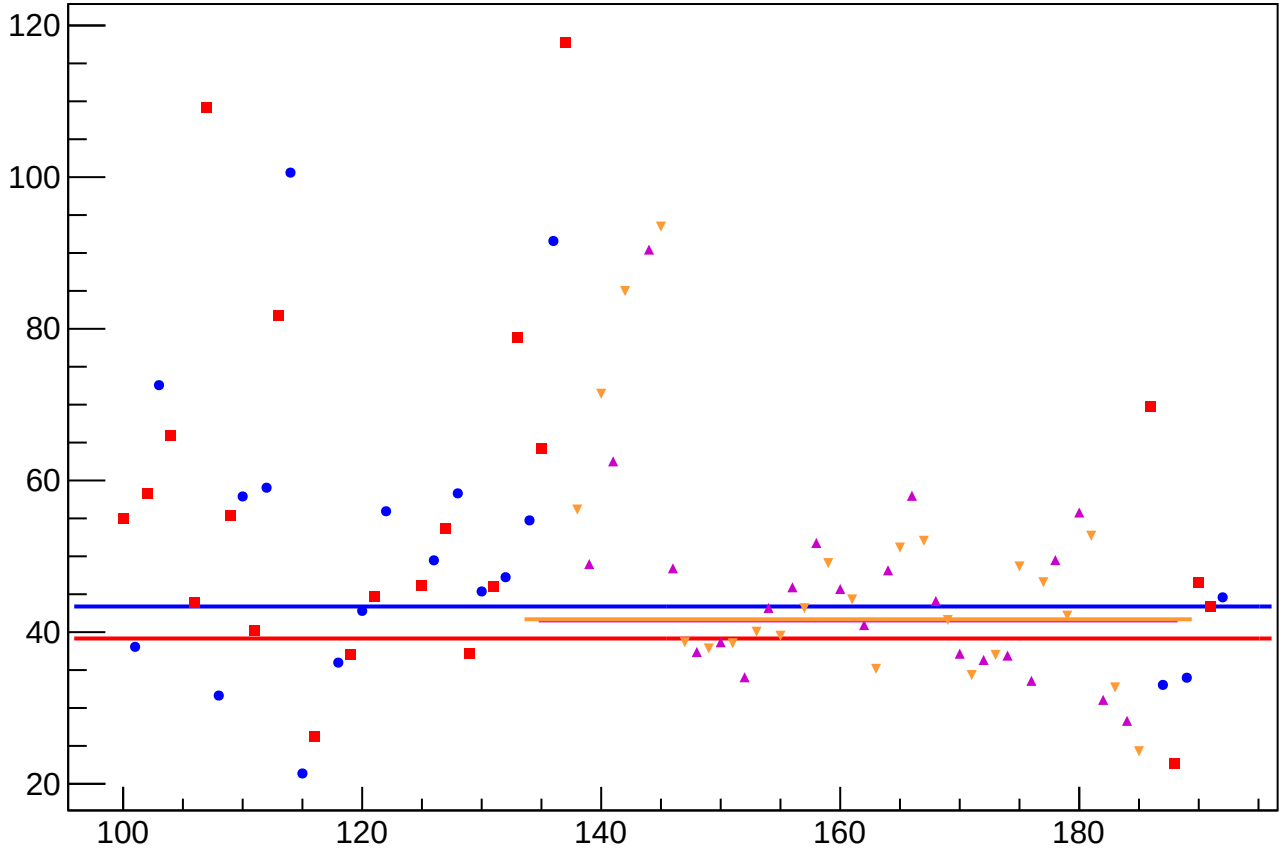
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.015+/-0.009 χ^2/NDF: 41.3/42

All: -0.004+/-0.006 χ^2/NDF: 107.7/87

- sign 0.006+/-0.009 χ^2/NDF: 63.7/44

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



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

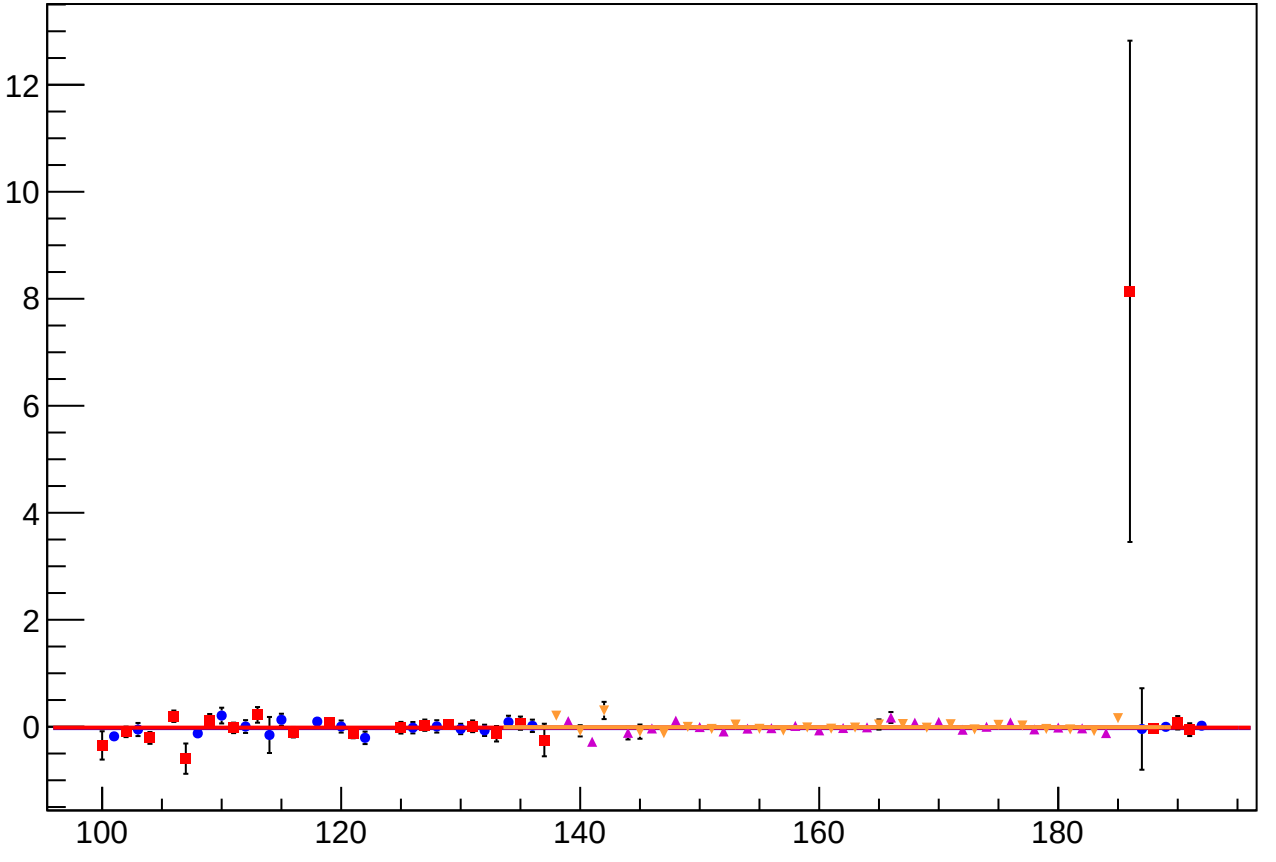
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

\+ sign 42.186+/-0.006 χ^2/NDF: 3267646.4/42

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

\- sign 40.771+/-0.006 χ^2/NDF: 4085877.0/44

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



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

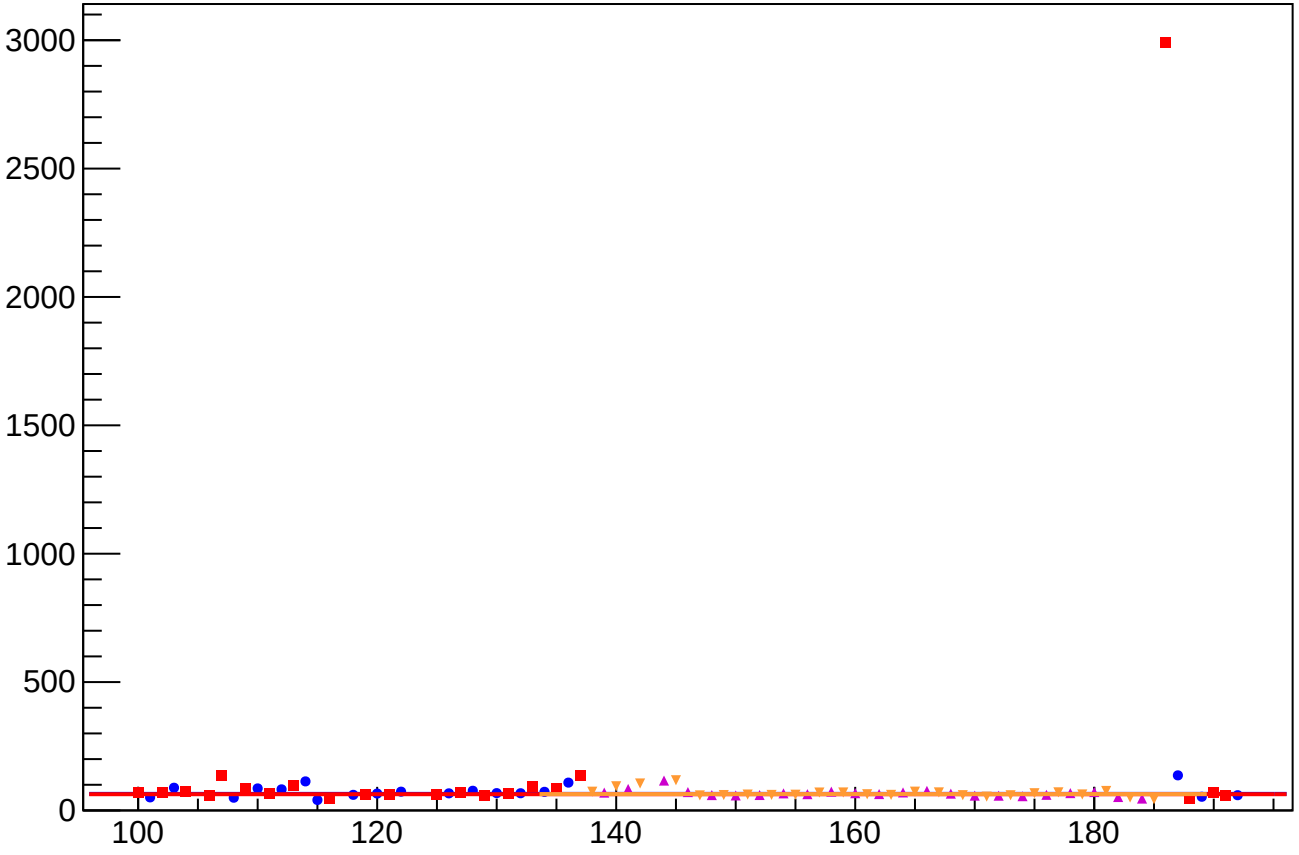
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.012+/-0.013 χ^2/NDF: 42.2/42

All: -0.011+/-0.009 χ^2/NDF: 97.2/87

- sign -0.010+/-0.013 χ^2/NDF: 54.9/44

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



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

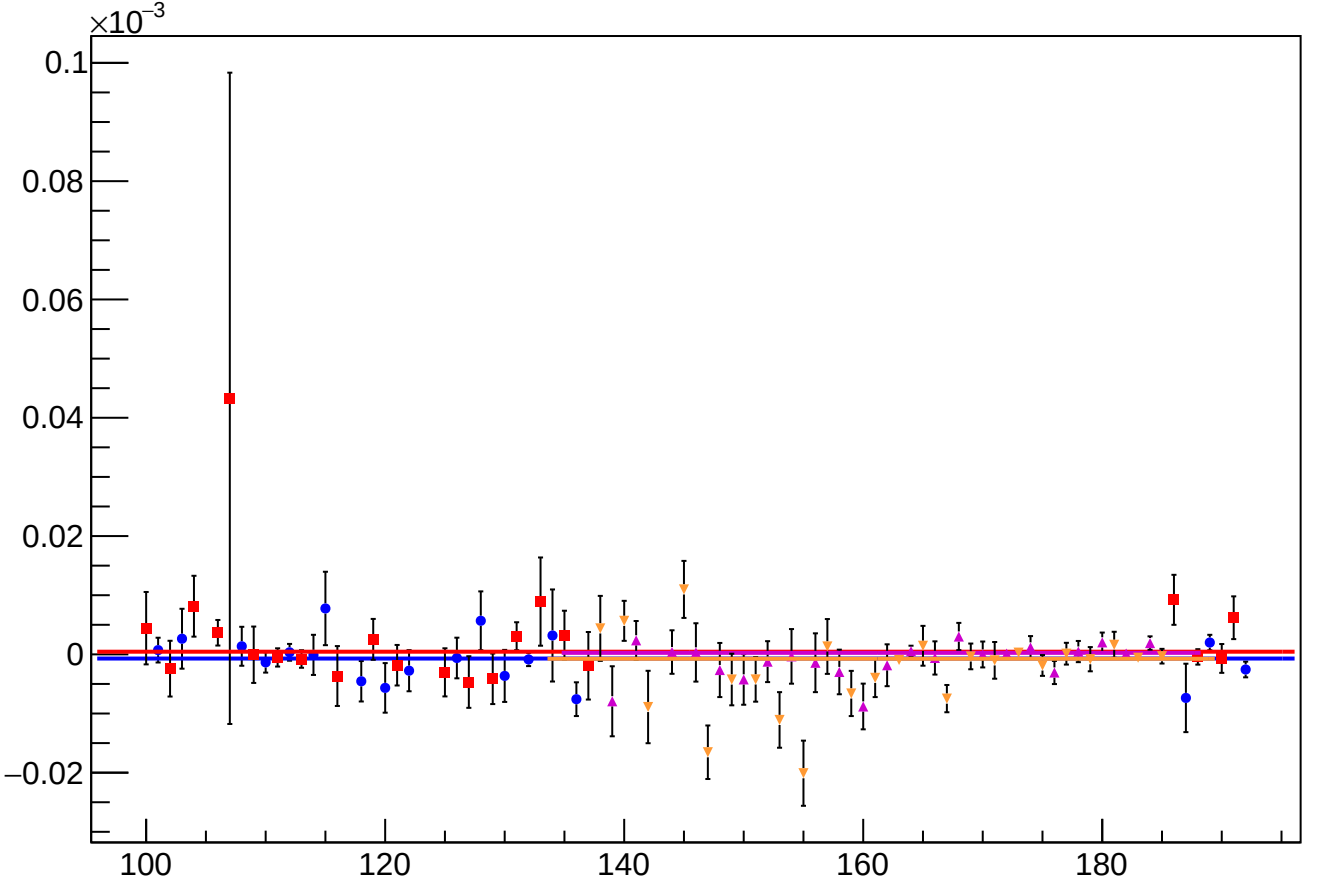
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 64.009+/-0.009 χ^2/NDF: 1925731.3/42

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

- sign 63.794+/-0.009 χ^2/NDF: 2582943.8/44

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/21

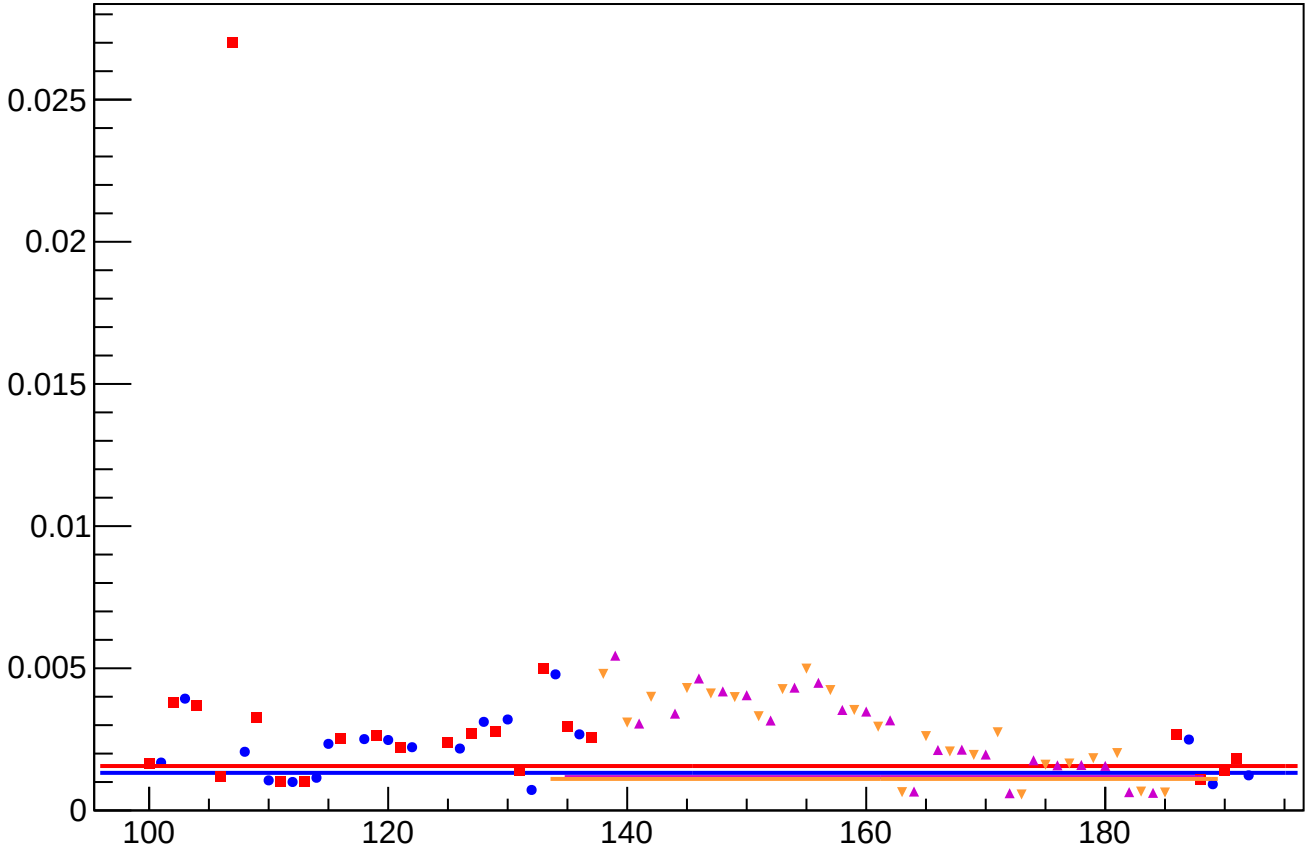
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

\+ sign -0.000+/-0.000 χ^2/NDF: 82.6/42

All: -0.000+/-0.000 χ^2/NDF: 130.0/87

\- sign 0.000+/-0.000 χ^2/NDF: 41.2/44

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



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

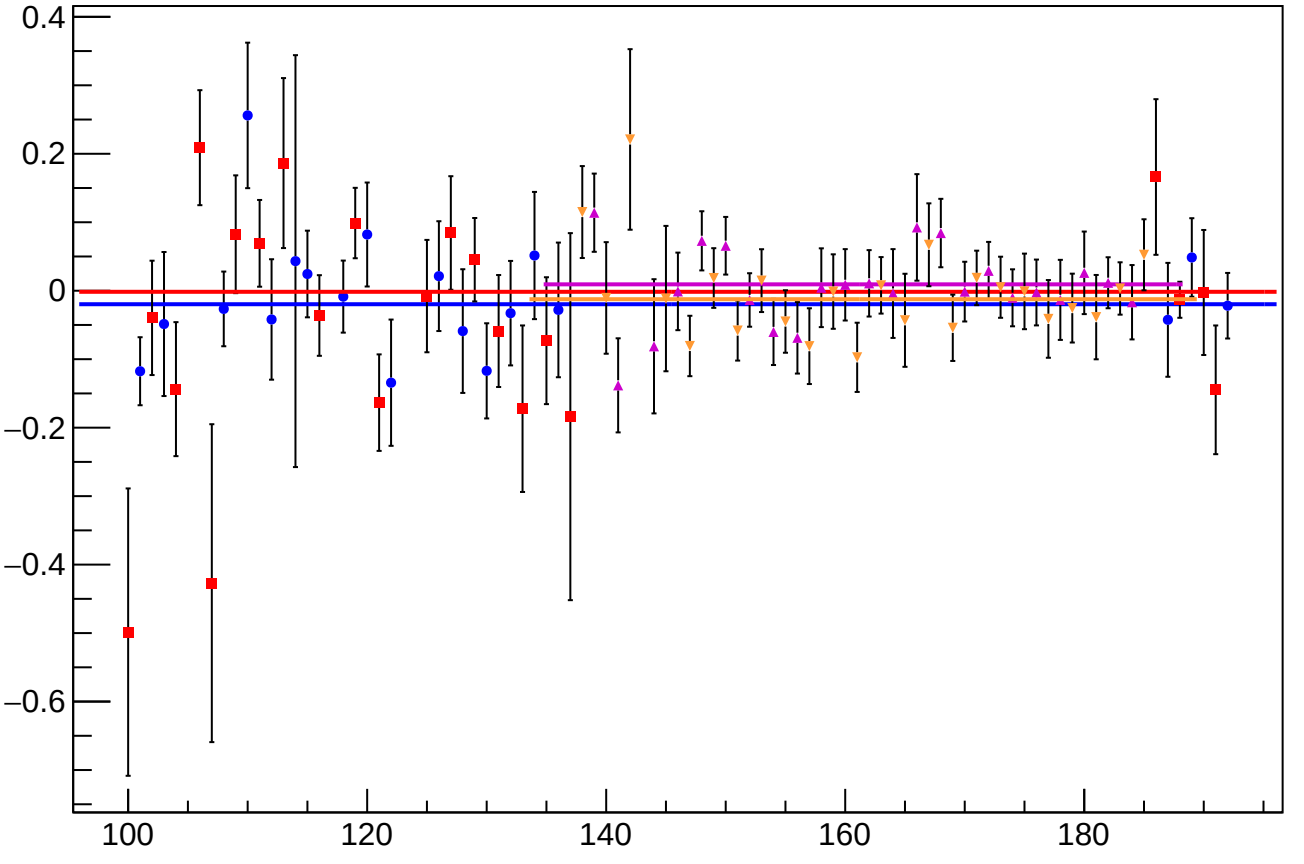
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 19272171.9/42

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

- sign 0.001+/-0.000 χ^2/NDF: 18790916.9/44

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



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

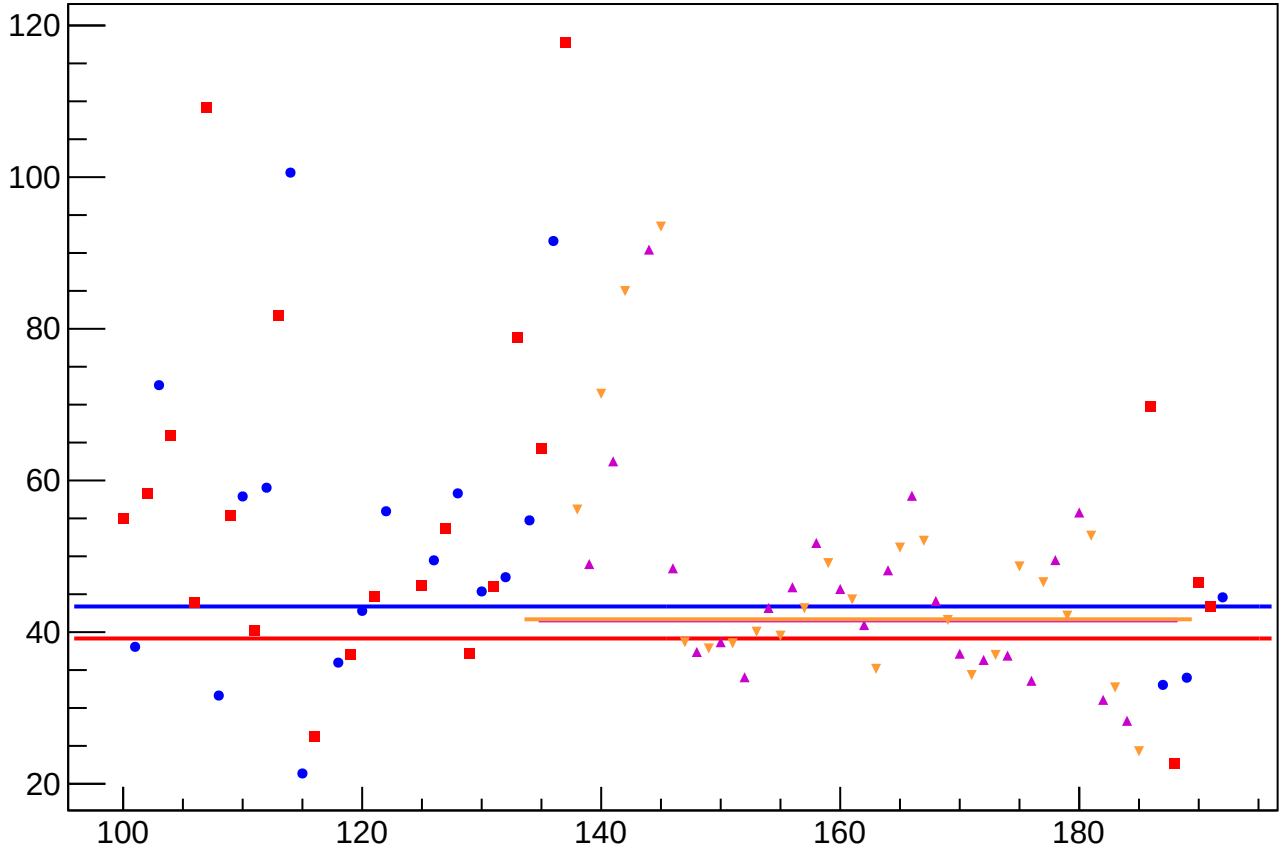
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.015+/-0.009 χ^2/NDF: 41.3/42

All: -0.004+/-0.006 χ^2/NDF: 107.7/87

- sign 0.006+/-0.009 χ^2/NDF: 63.6/44

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 43.384+/-0.012 χ^2/NDF: 1430809.5/18

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

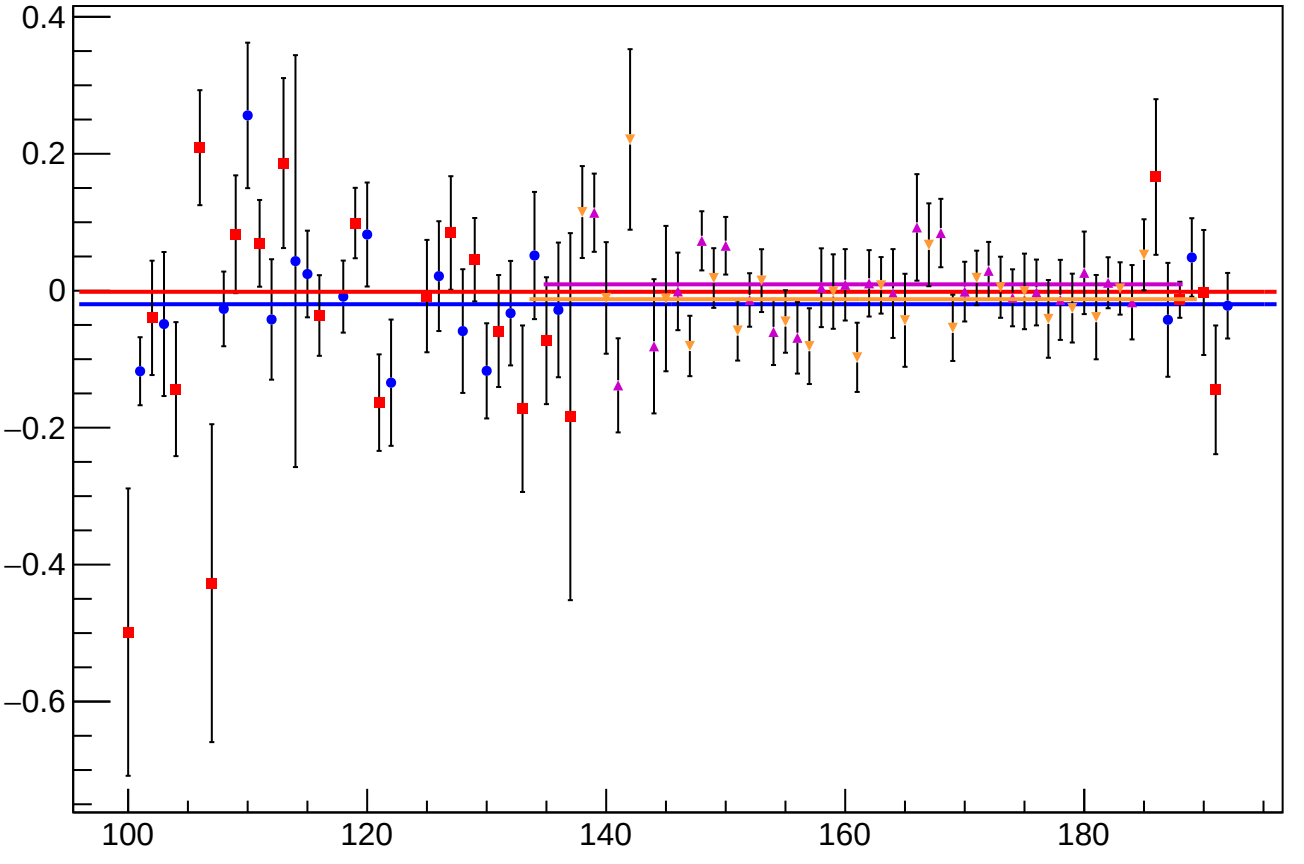
Right Out: 39.165+/-0.011 χ^2/NDF: 2438858.6/21

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

+ sign 42.186+/-0.006 χ^2/NDF: 3267643.9/42

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

- sign 40.772+/-0.006 χ^2/NDF: 4085658.0/44



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

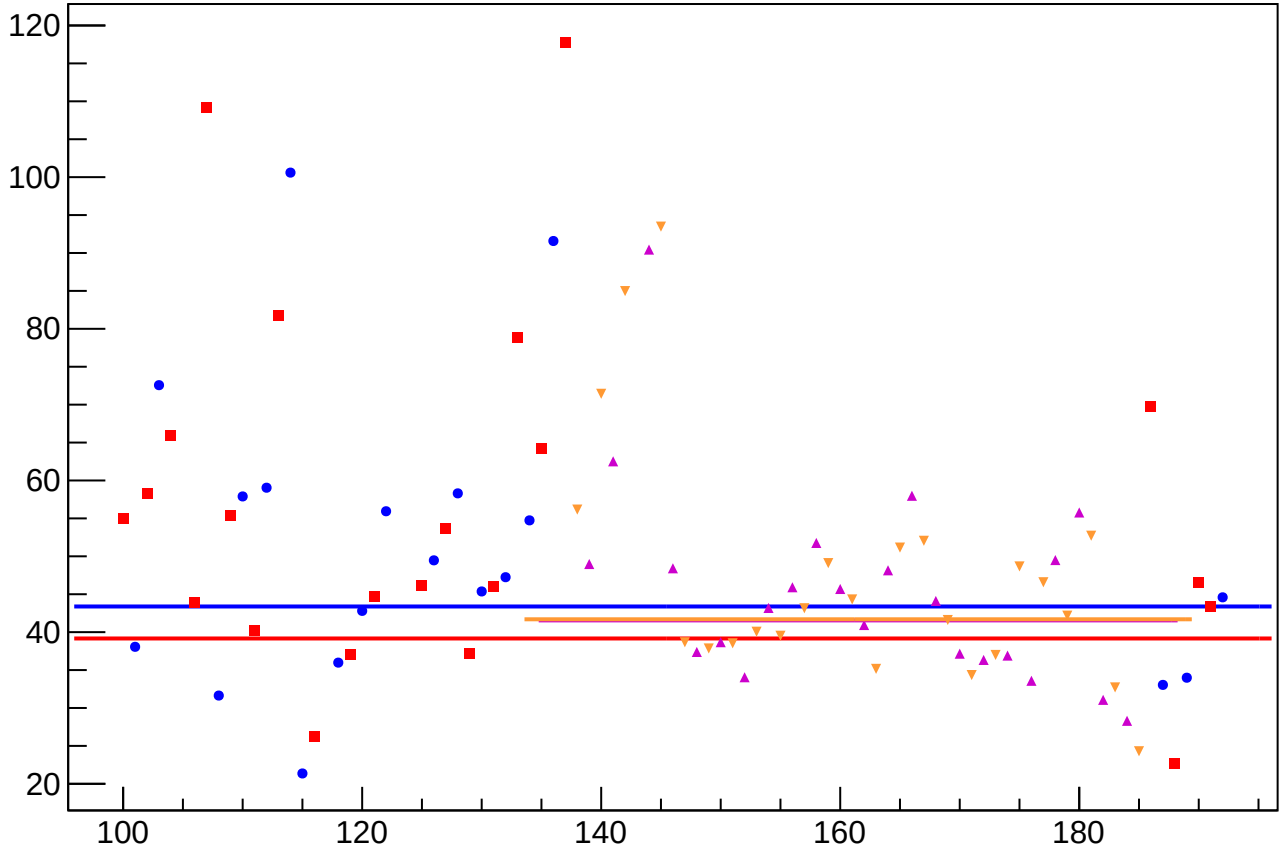
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.015+/-0.009 χ^2/NDF: 41.3/42

All: -0.004+/-0.006 χ^2/NDF: 107.7/87

- sign 0.006+/-0.009 χ^2/NDF: 63.6/44

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

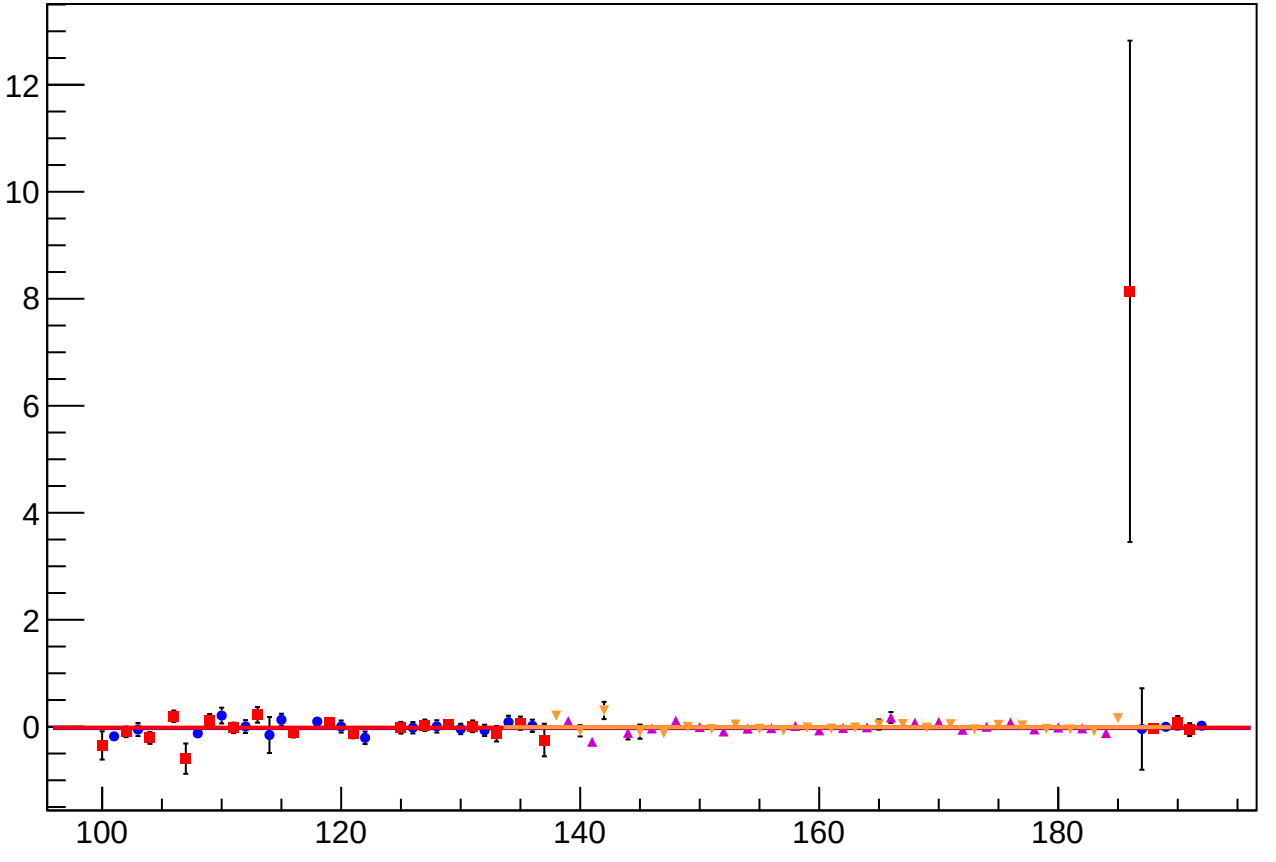
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.186+/-0.006 χ^2/NDF: 3267643.9/42

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

- sign 40.772+/-0.006 χ^2/NDF: 4085658.0/44

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



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

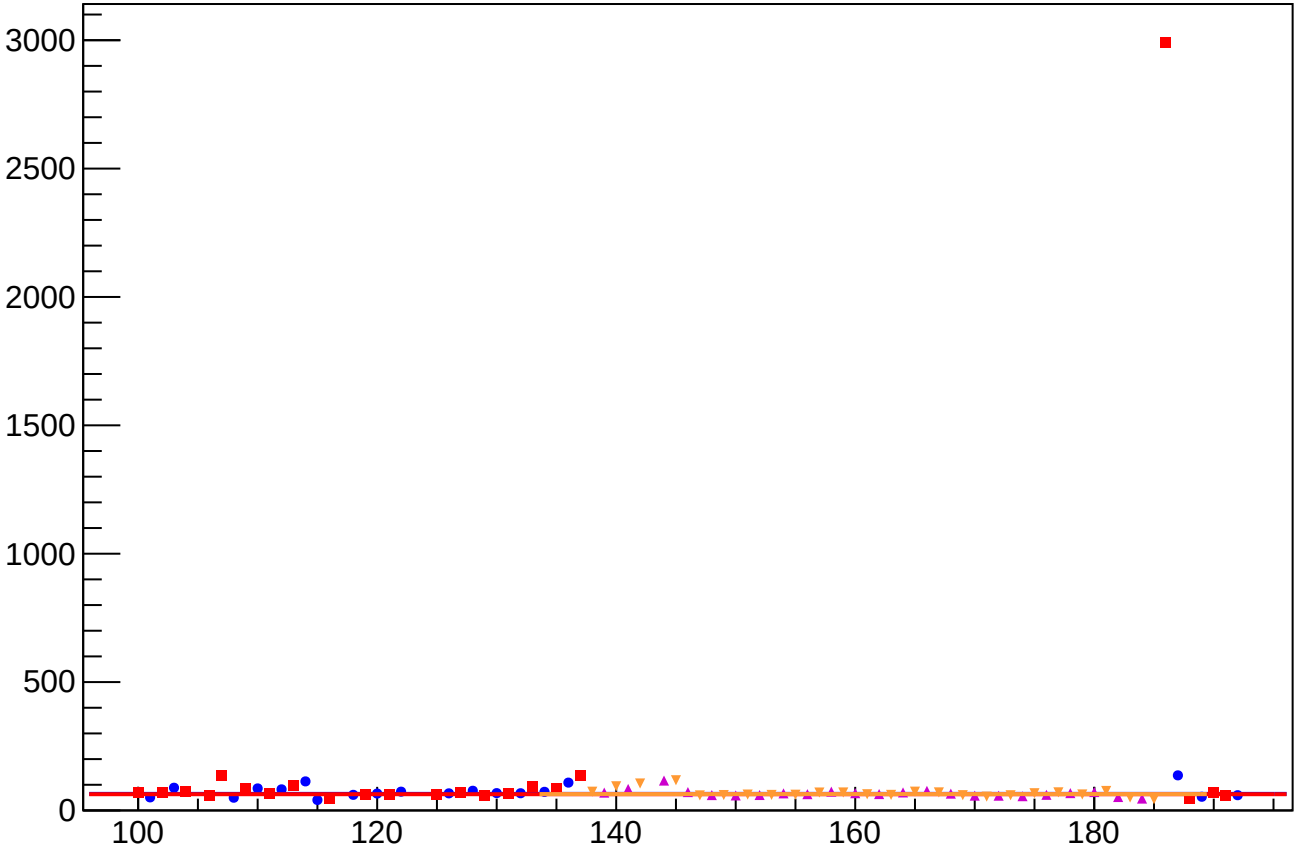
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.012+/-0.013 χ^2/NDF: 42.2/42

All: -0.011+/-0.009 χ^2/NDF: 97.2/87

- sign -0.010+/-0.013 χ^2/NDF: 54.9/44

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



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

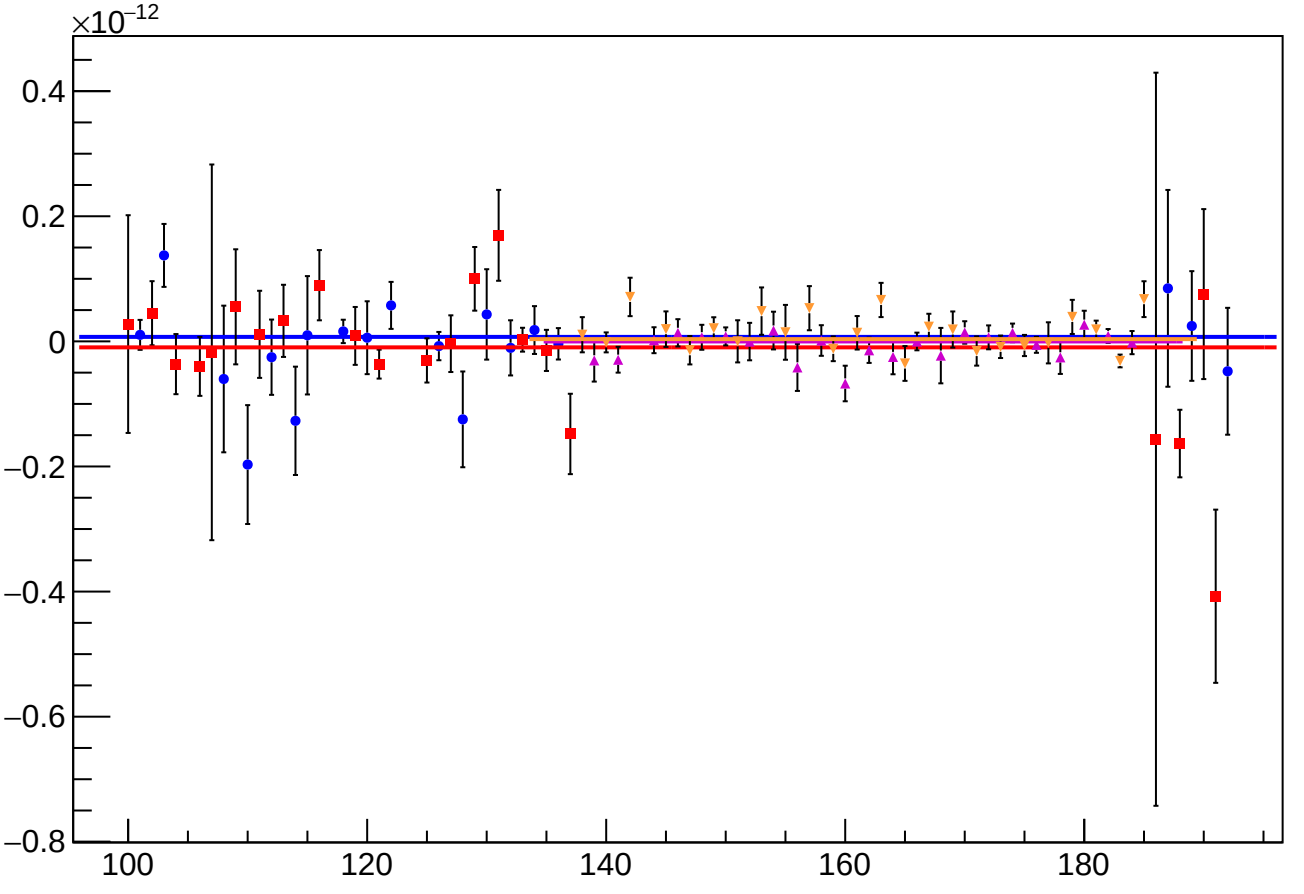
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 64.009+/-0.009 χ^2/NDF: 1925718.5/42

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

- sign 63.794+/-0.009 χ^2/NDF: 2582908.5/44

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



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

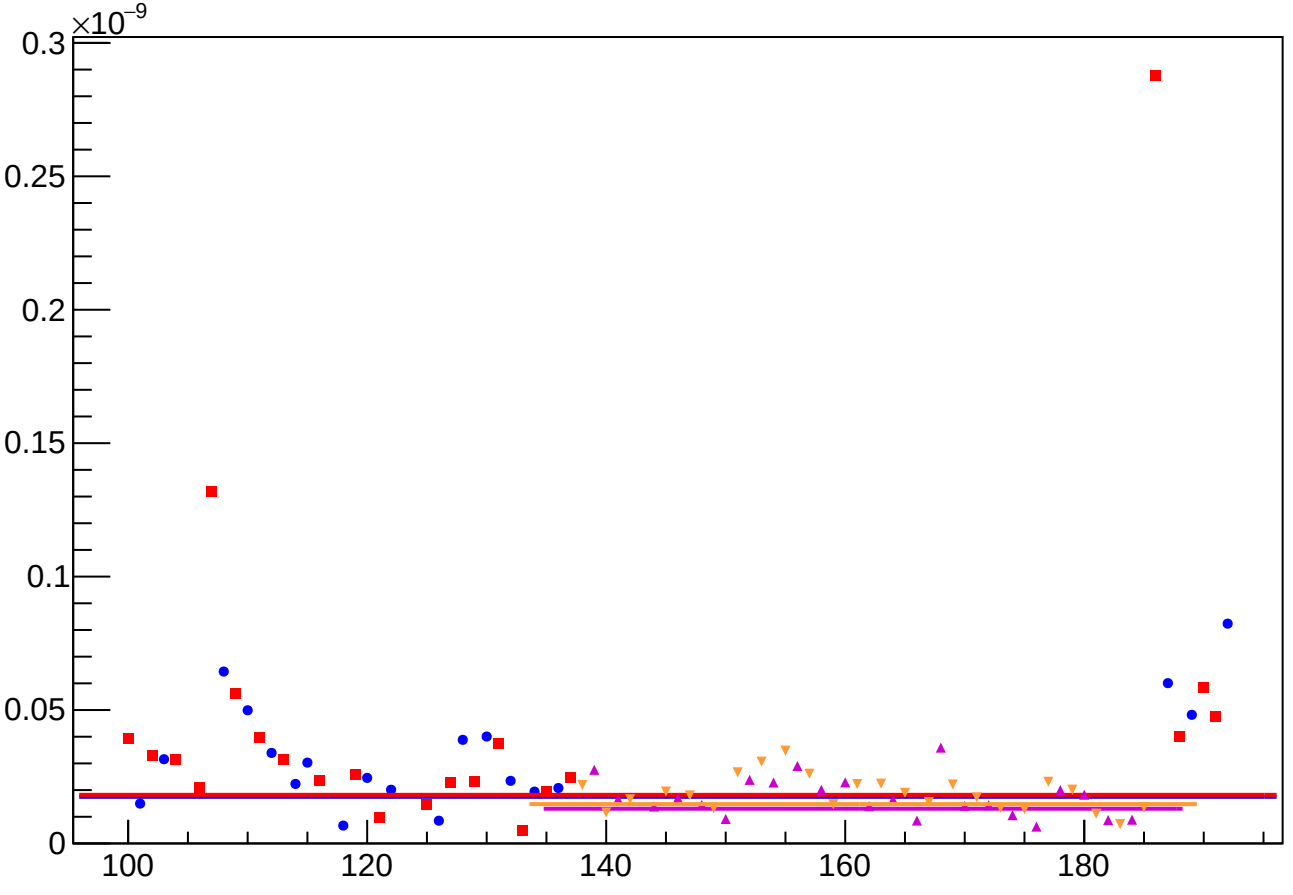
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.7/42

All: 0.000+/-0.000 χ^2/NDF: 121.5/87

- sign -0.000+/-0.000 χ^2/NDF: 58.6/44

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3581491.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

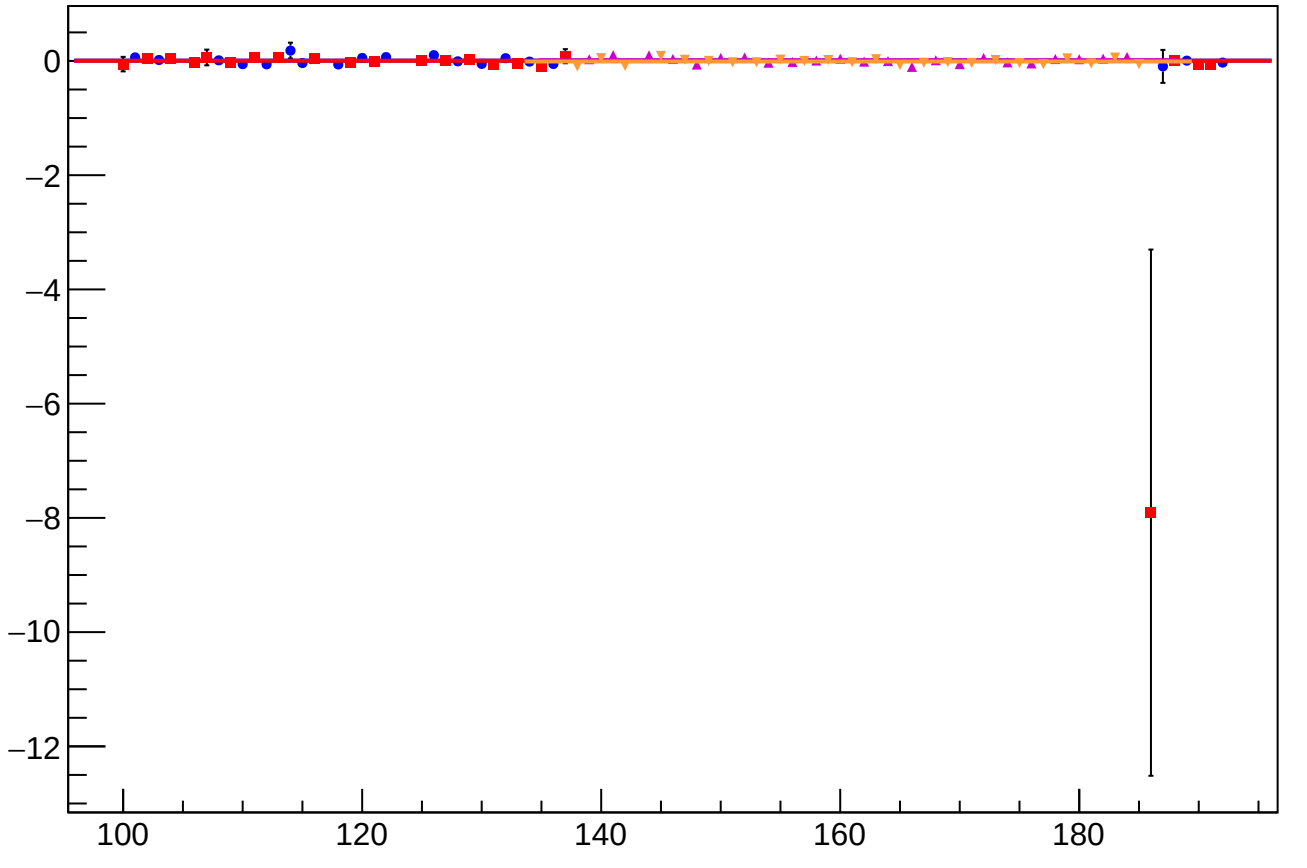
Right Out: 0.000+/-0.000 χ^2/NDF: 3830388.6/21

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

+ sign 0.000+/-0.000 χ^2/NDF: 7258990.7/42

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

- sign 0.000+/-0.000 χ^2/NDF: 8254657.6/44



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

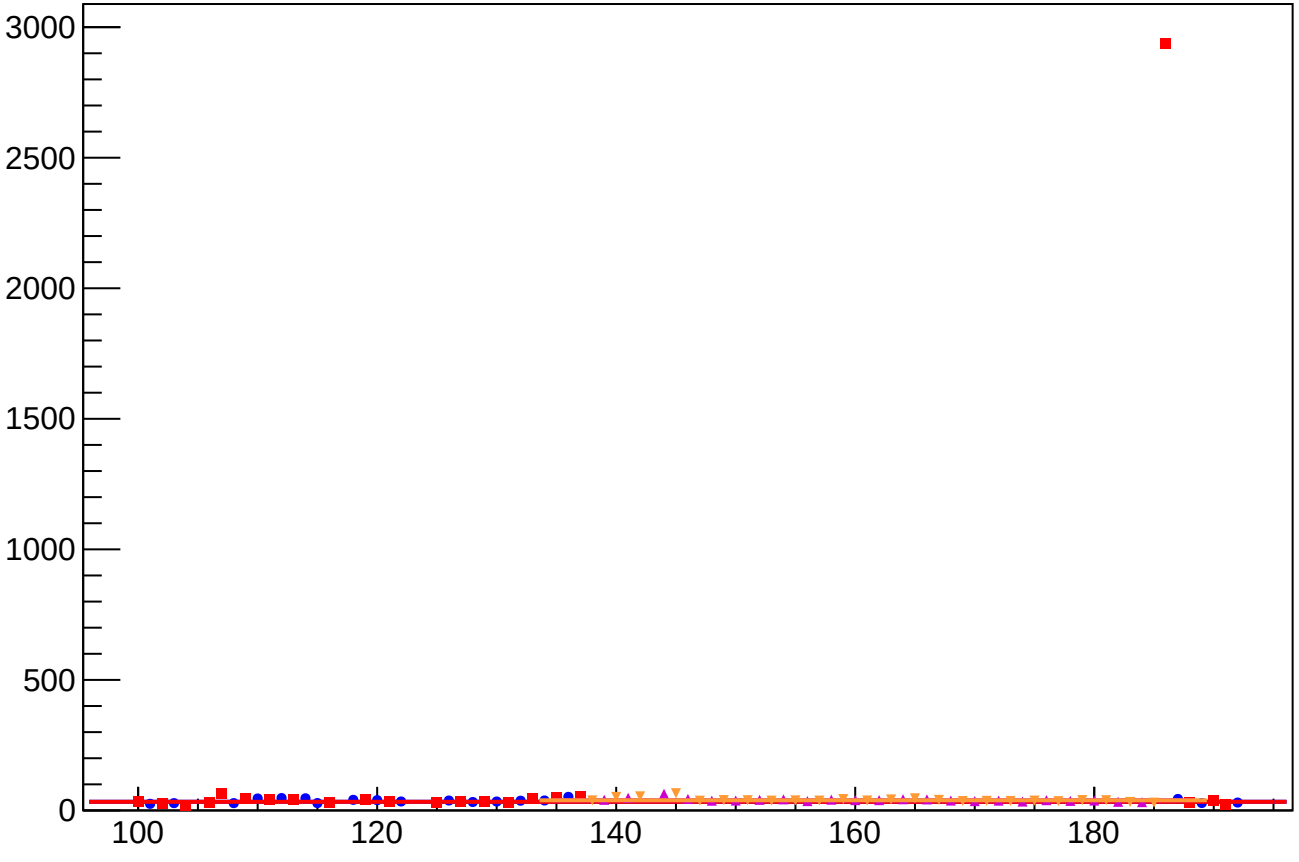
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.004+/-0.007 χ^2/NDF: 36.6/42

All: 0.002+/-0.005 χ^2/NDF: 77.0/87

- sign 0.008+/-0.007 χ^2/NDF: 39.0/44

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 33.314+/-0.009 χ^2/NDF: 687814.4/18

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

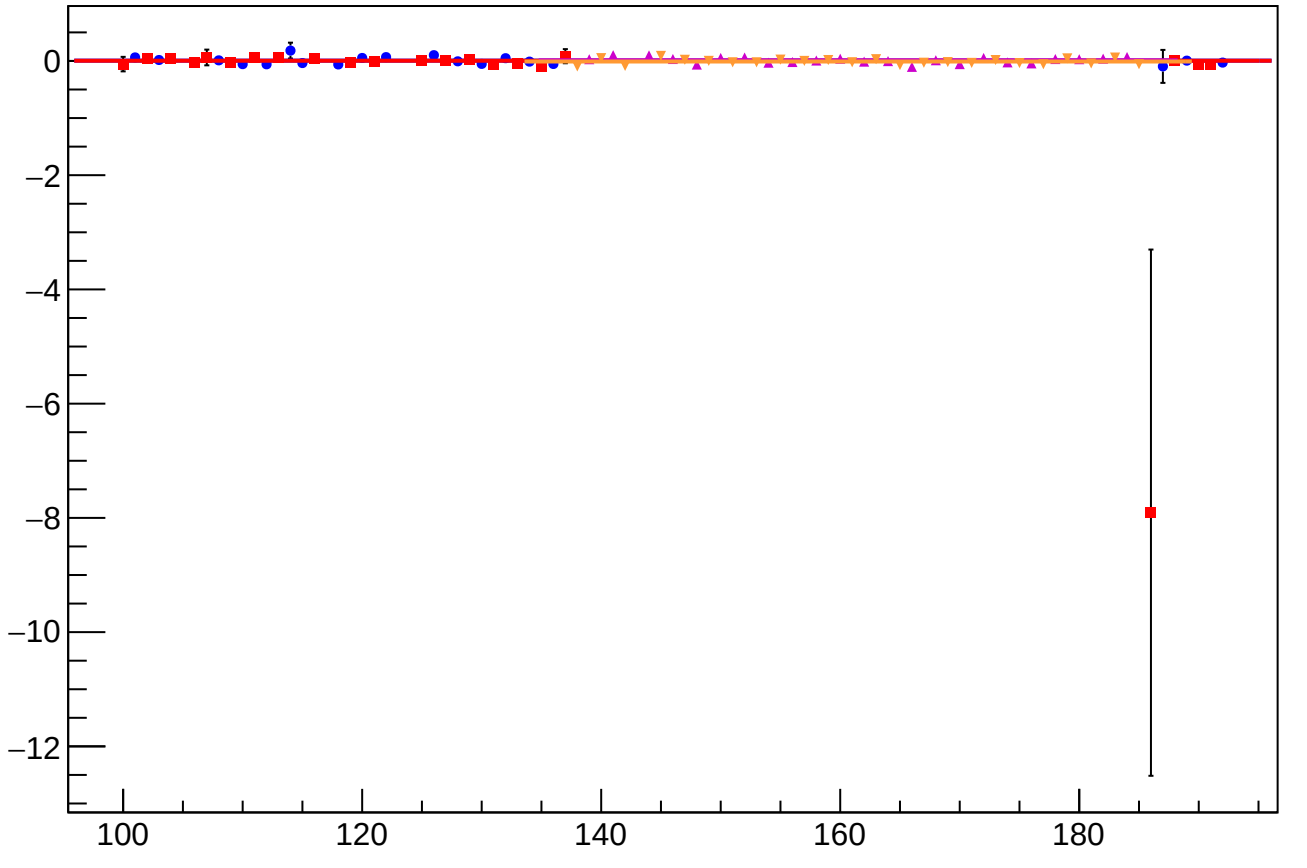
Right Out: 33.080+/-0.008 χ^2/NDF: 1781677.8/21

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

+ sign 36.820+/-0.005 χ^2/NDF: 1584212.8/42

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

- sign 36.808+/-0.005 χ^2/NDF: 2619943.6/44



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

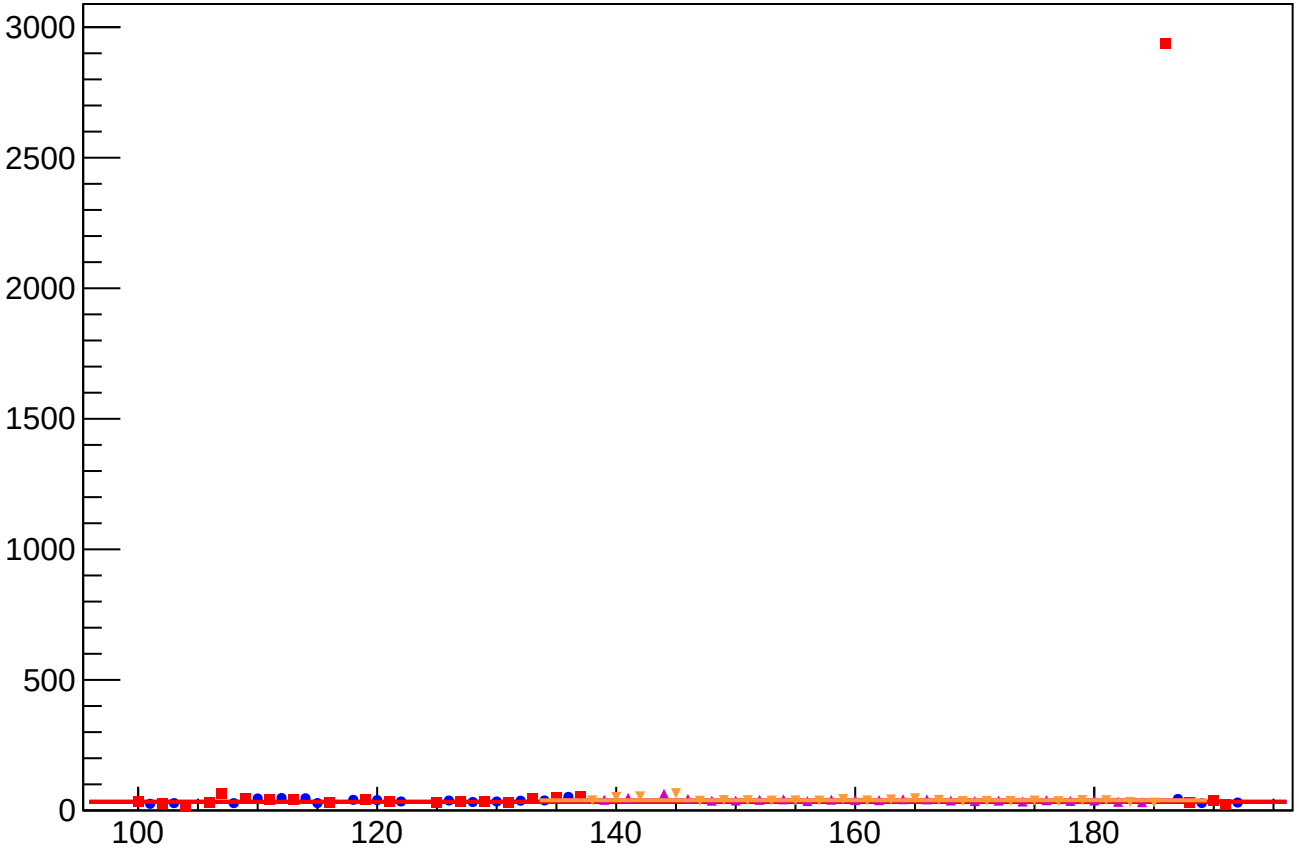
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.004+/-0.007 χ^2/NDF: 36.6/42

All: 0.002+/-0.005 χ^2/NDF: 77.0/87

- sign 0.008+/-0.007 χ^2/NDF: 39.0/44

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



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

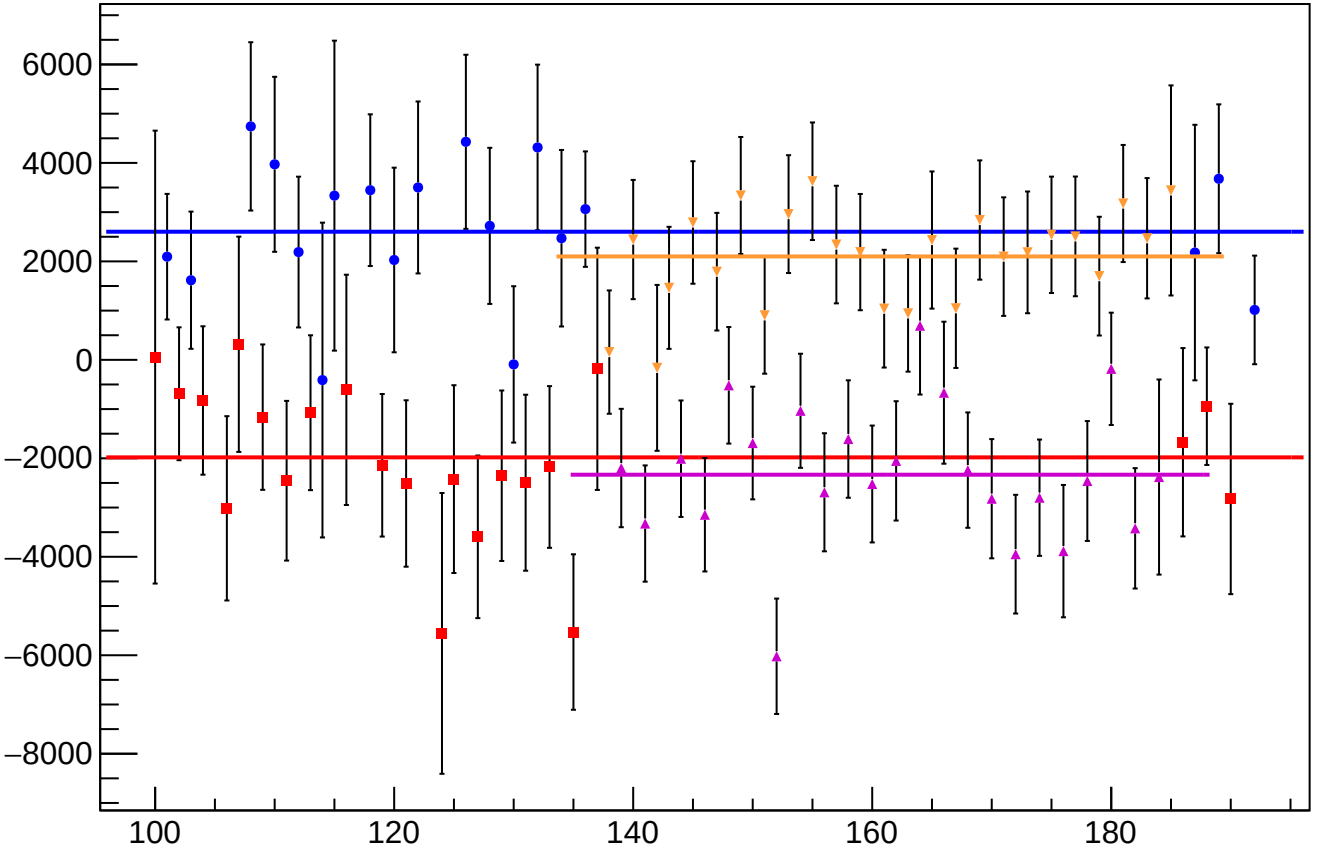
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

\+ sign 36.820+/-0.005 χ^2/NDF: 1584212.8/42

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

\- sign 36.808+/-0.005 χ^2/NDF: 2619943.6/44

reg_asym_usr_mean vs Slug



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

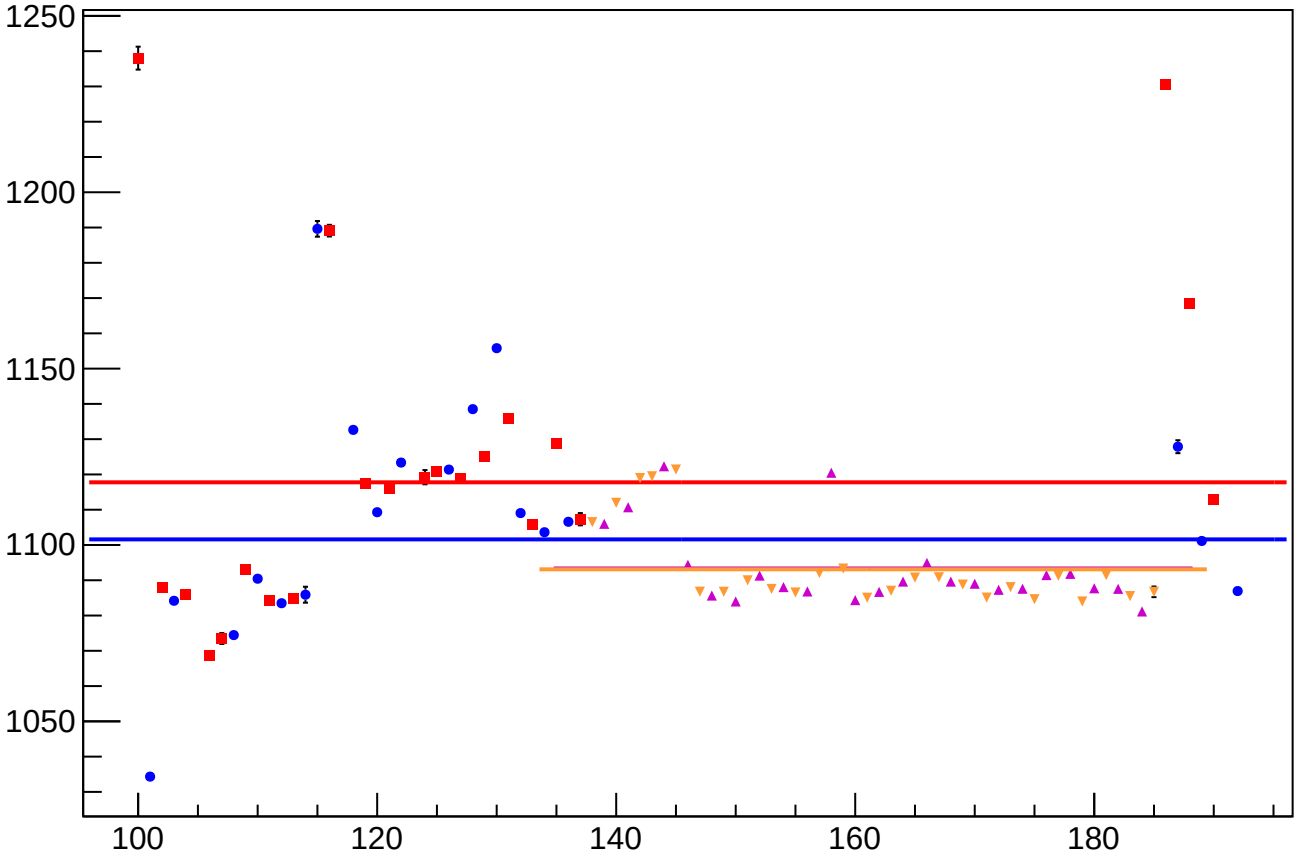
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2257.101+/-205.931 χ^2/NDF: 27.3/43

All: 60.838+/-146.961 χ^2/NDF: 302.8/88

- sign -2218.578+/-209.793 χ^2/NDF: 43.7/44

reg_asym_usr_rms vs Slug



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

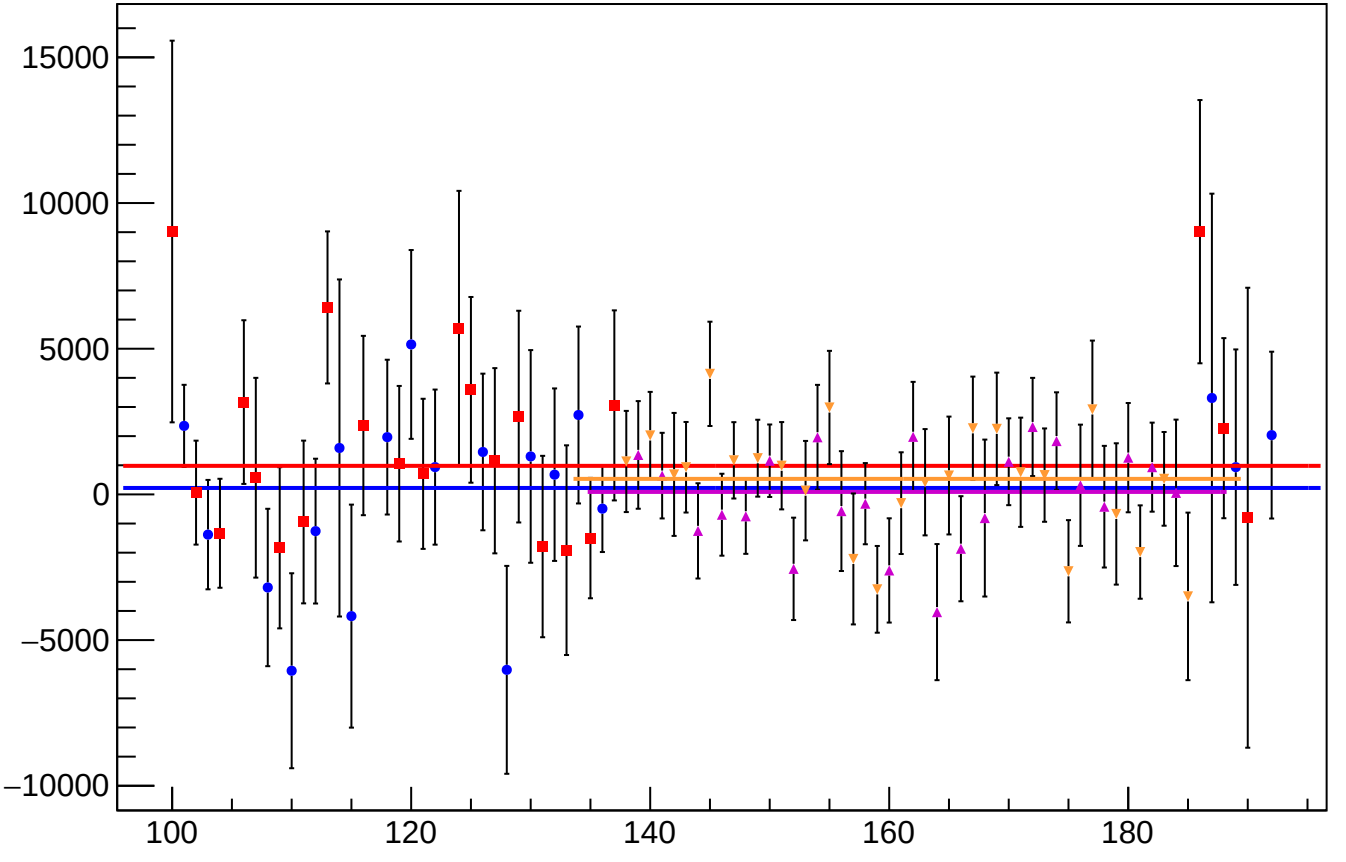
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.751+/-0.146 χ^2/NDF: 18517.3/43

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

- sign 1101.269+/-0.148 χ^2/NDF: 30291.8/44

asym_usr_reg_correction_mean vs Slug



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

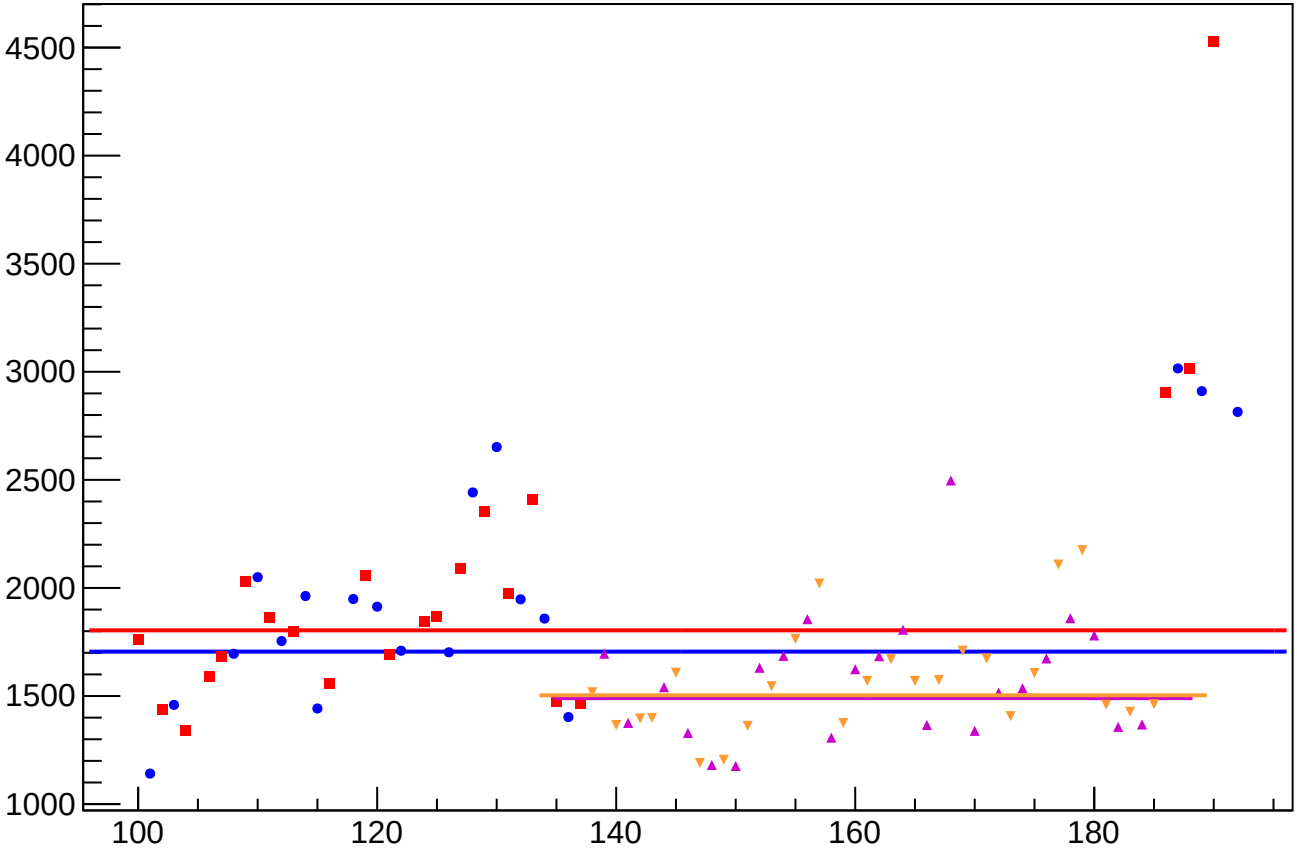
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 453.854+/-299.941 χ^2/NDF: 44.2/43

All: 382.280+/-214.507 χ^2/NDF: 82.6/88

\- sign 307.348+/-306.897 χ^2/NDF: 38.2/44

asym_usr_reg_correction_rms vs Slug



Right In: 1705.387+/-0.421 χ^2/NDF: 1283912.8/18

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

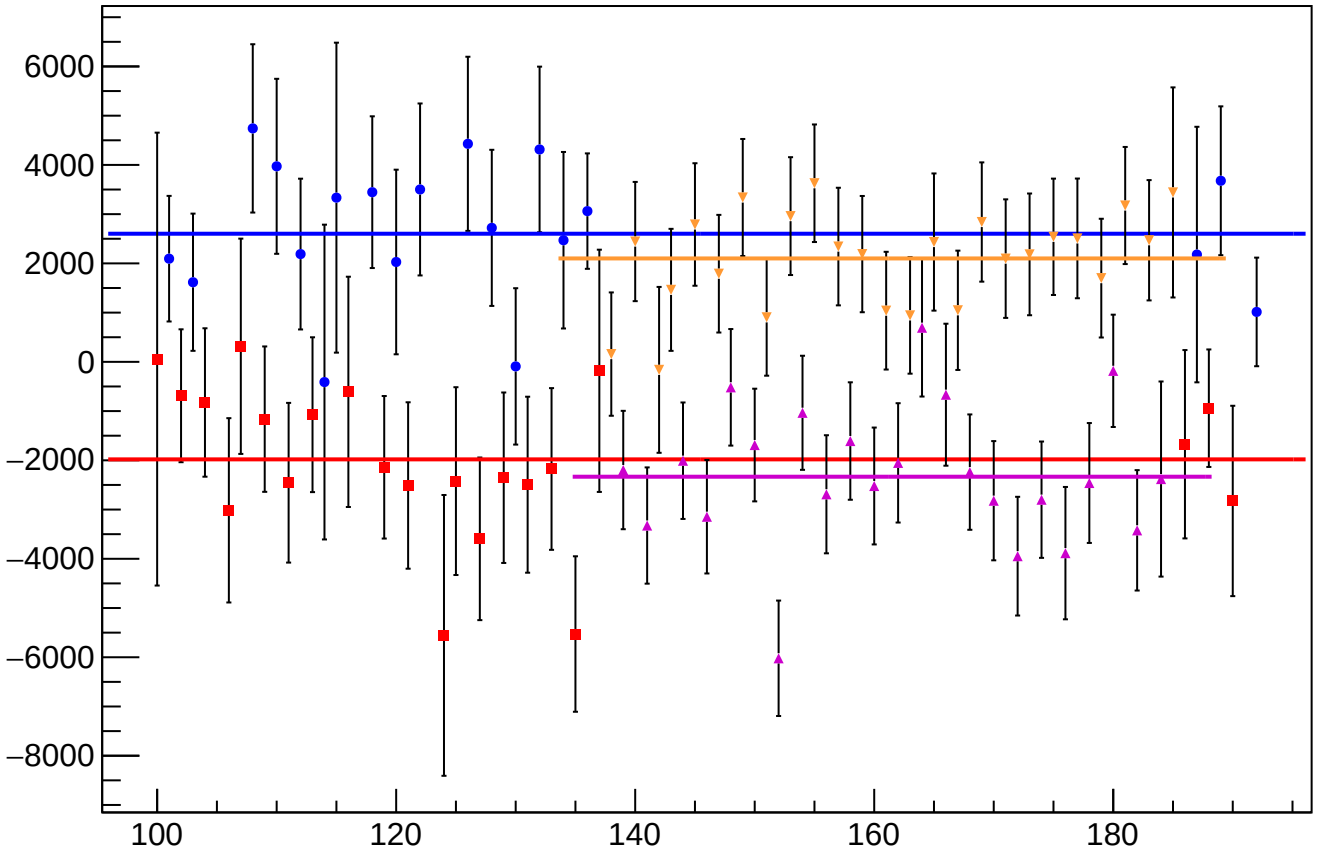
Right Out: 1803.883+/-0.436 χ^2/NDF: 1133132.9/21

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

+ sign 1554.692+/-0.212 χ^2/NDF: 2255293.2/43

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

- sign 1568.120+/-0.217 χ^2/NDF: 2490874.1/44



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

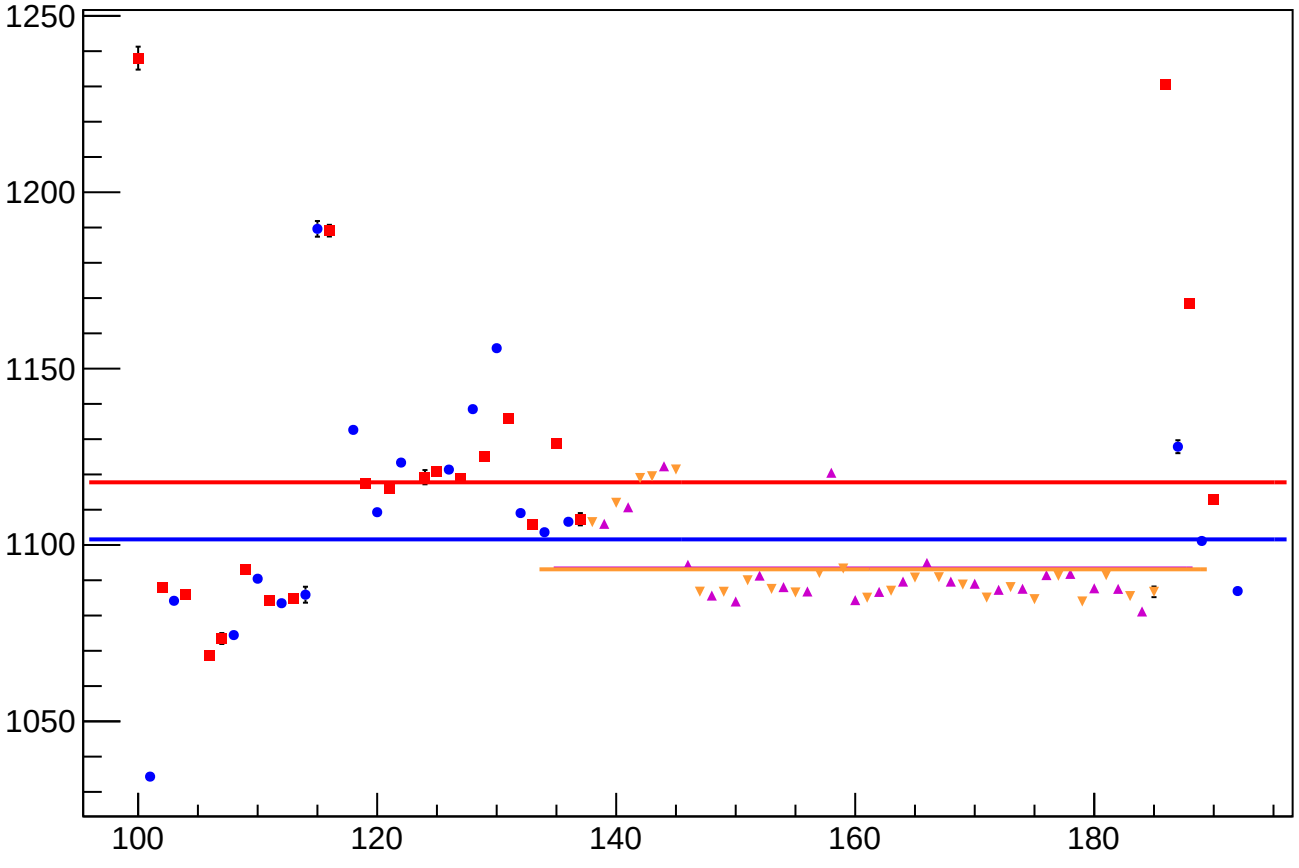
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2257.101+/-205.931 χ^2/NDF: 27.3/43

All: 60.838+/-146.961 χ^2/NDF: 302.8/88

- sign -2218.578+/-209.793 χ^2/NDF: 43.7/44

cor_asym_usr_rms vs Slug



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

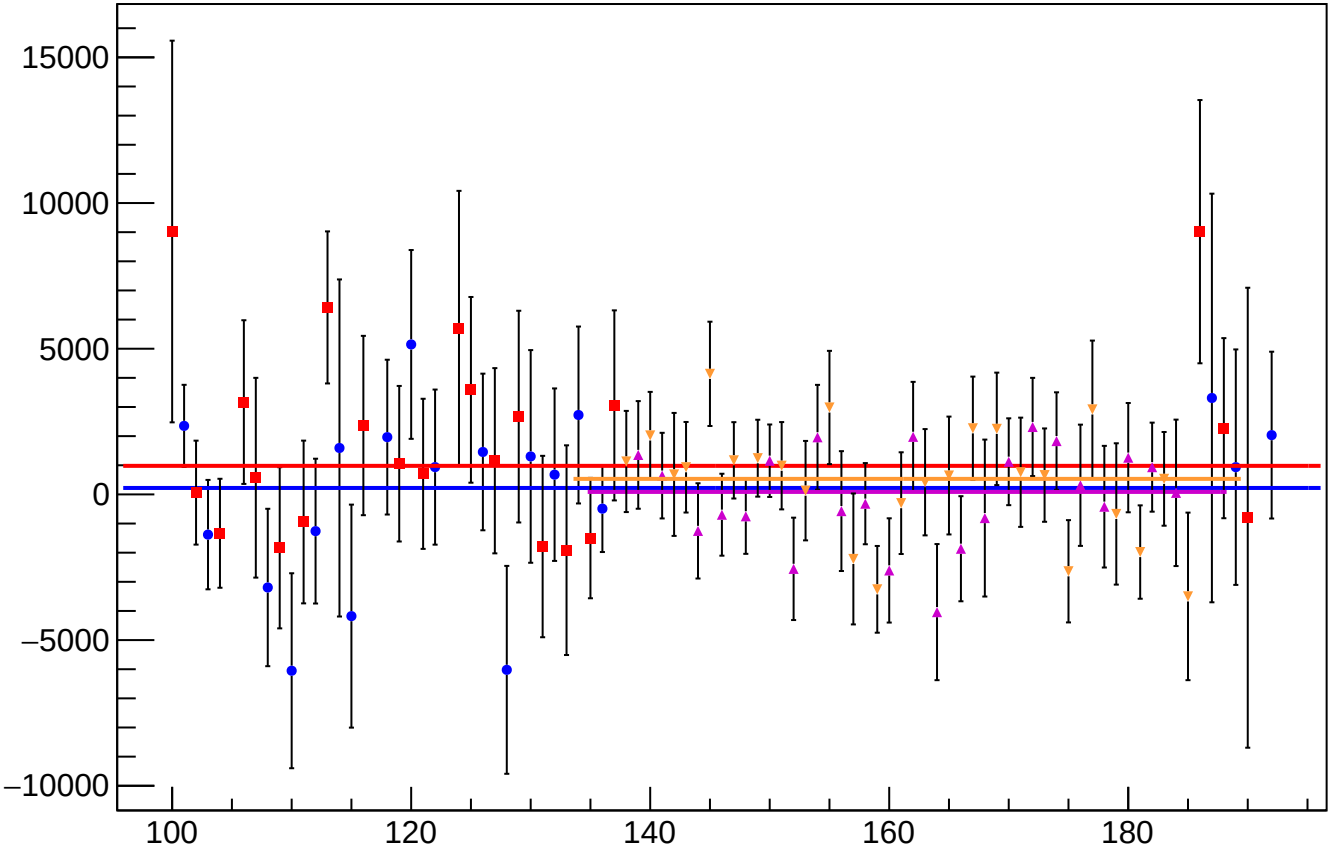
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.751+/-0.146 χ^2/NDF: 18517.3/43

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

- sign 1101.269+/-0.148 χ^2/NDF: 30291.8/44

asym_usr_cor_correction_mean vs Slug



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

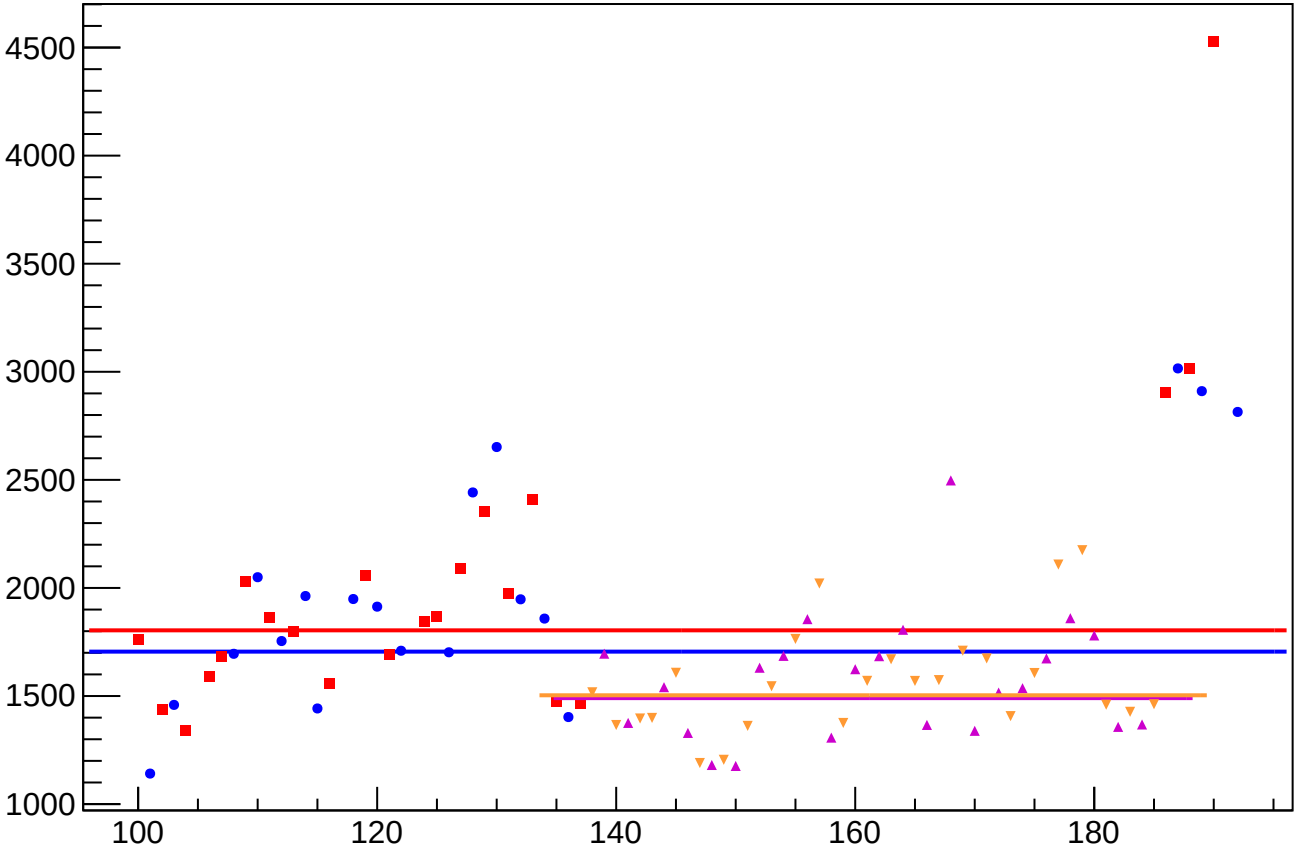
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 453.854+/-299.941 χ^2/NDF: 44.2/43

All: 382.280+/-214.507 χ^2/NDF: 82.6/88

\- sign 307.348+/-306.897 χ^2/NDF: 38.2/44

asym_usr_cor_correction_rms vs Slug



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

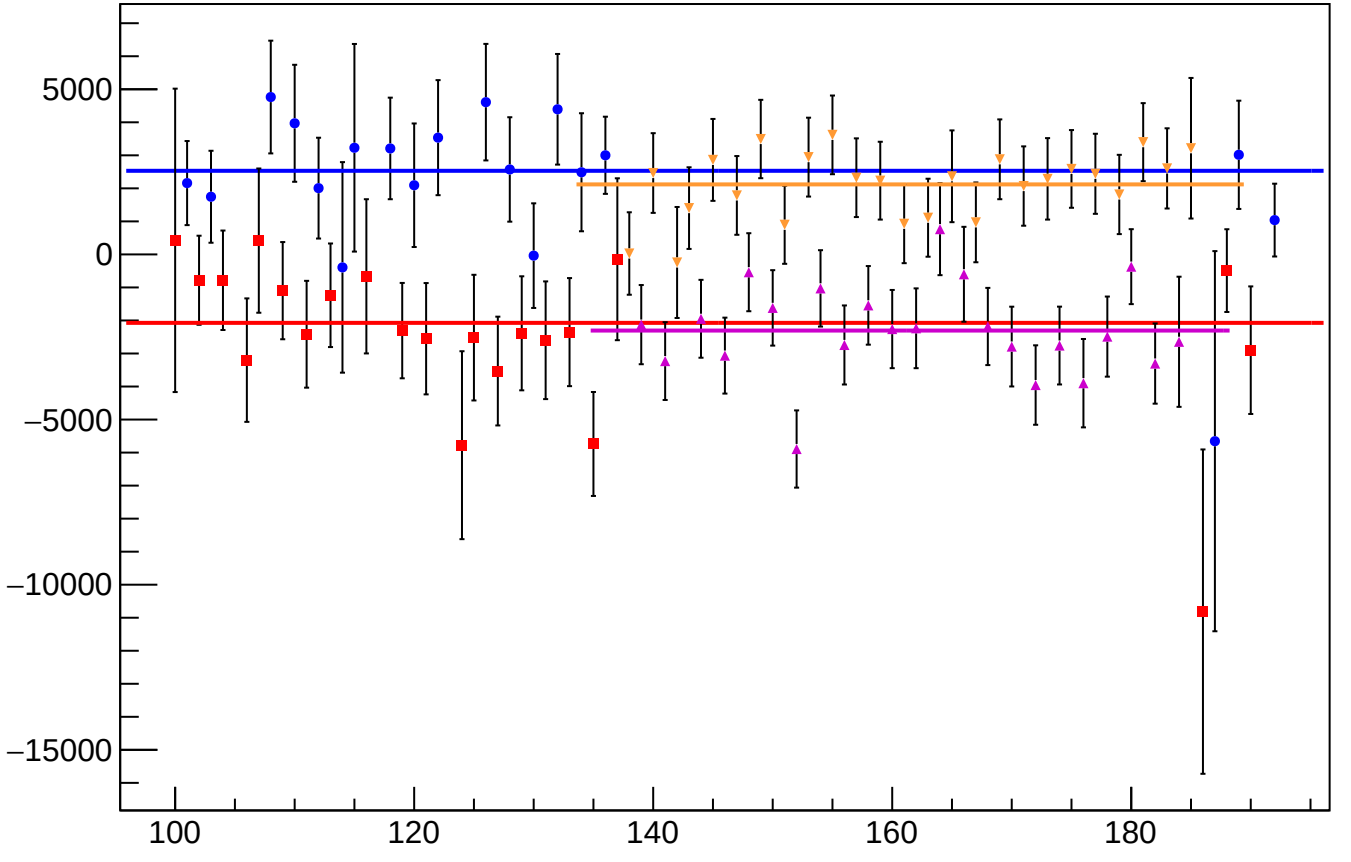
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1554.692+/-0.212 χ^2/NDF: 2255293.2/43

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

- sign 1568.120+/-0.217 χ^2/NDF: 2490874.1/44

overload_cor_asym_usr_mean vs Slug



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

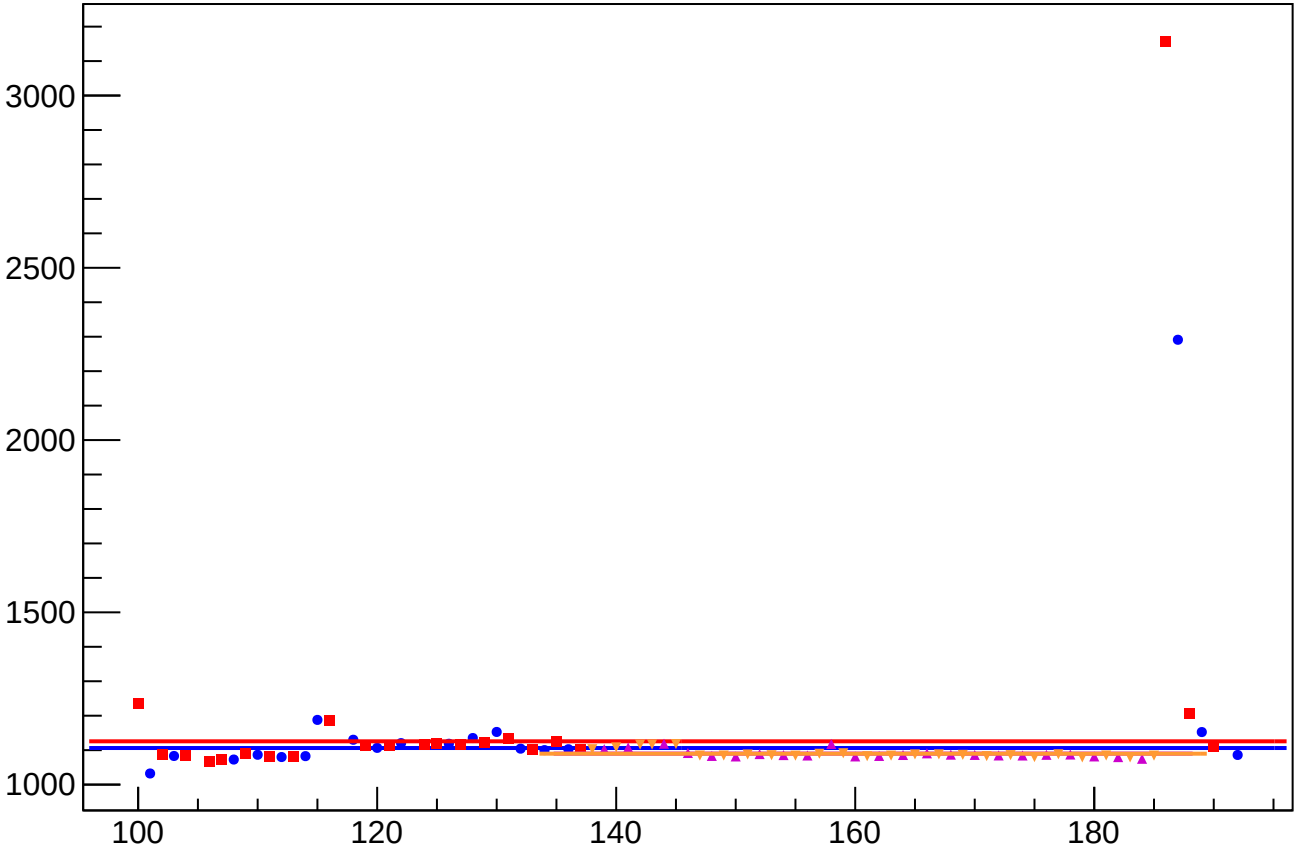
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2246.078+/-206.153 χ^2/NDF: 29.7/43

All: 54.677+/-147.314 χ^2/NDF: 307.9/88

- sign -2231.945+/-210.584 χ^2/NDF: 47.3/44

overload_cor_asym_usr_rms vs Slug



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

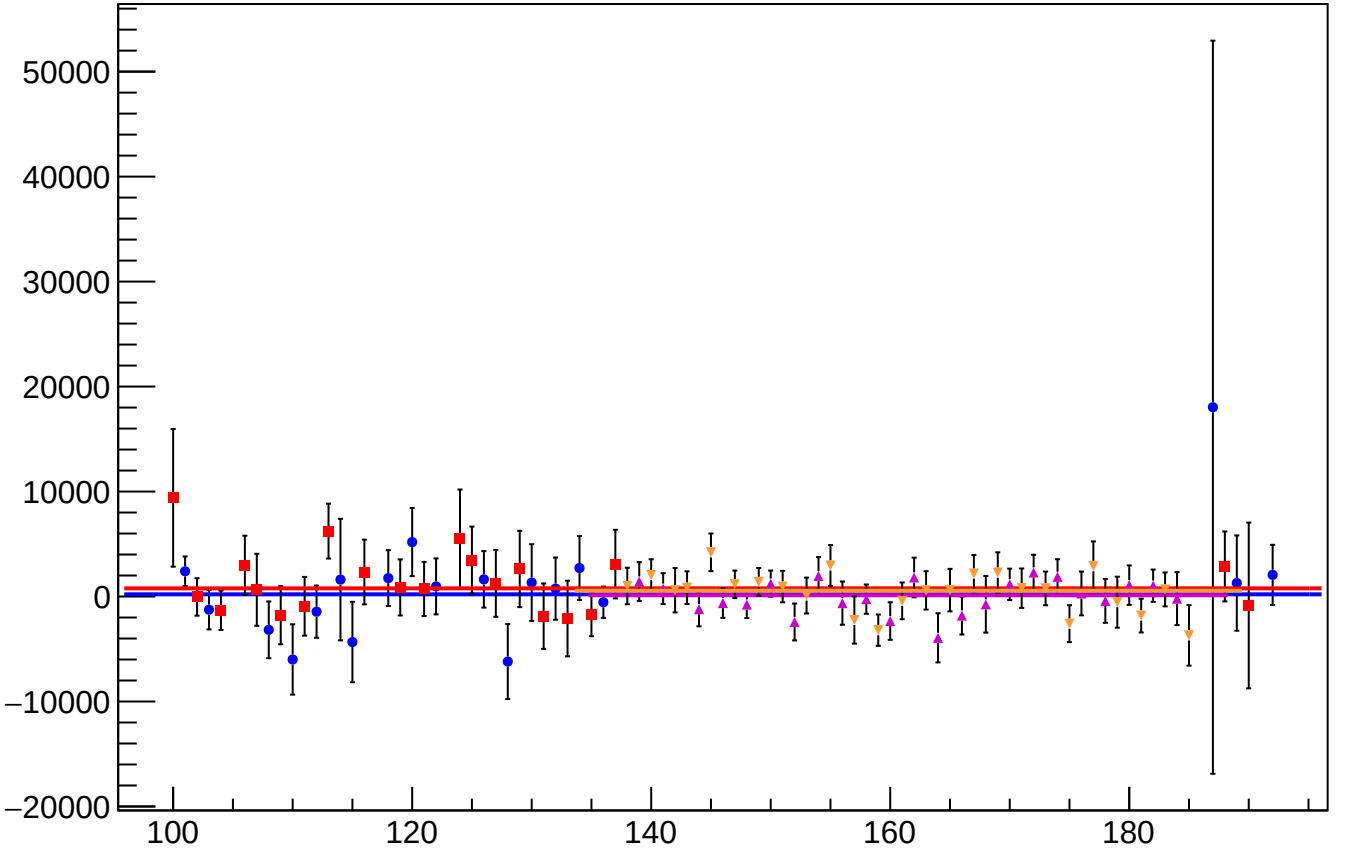
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

\+ sign 1094.783+/-0.146 χ^2/NDF: 107342.8/43

All: 1097.932+/-0.104 χ^2/NDF: 488723.1/88

\- sign 1101.219+/-0.149 χ^2/NDF: 380426.2/44

asym_usr_overload_cor_correction_mean vs Slug



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

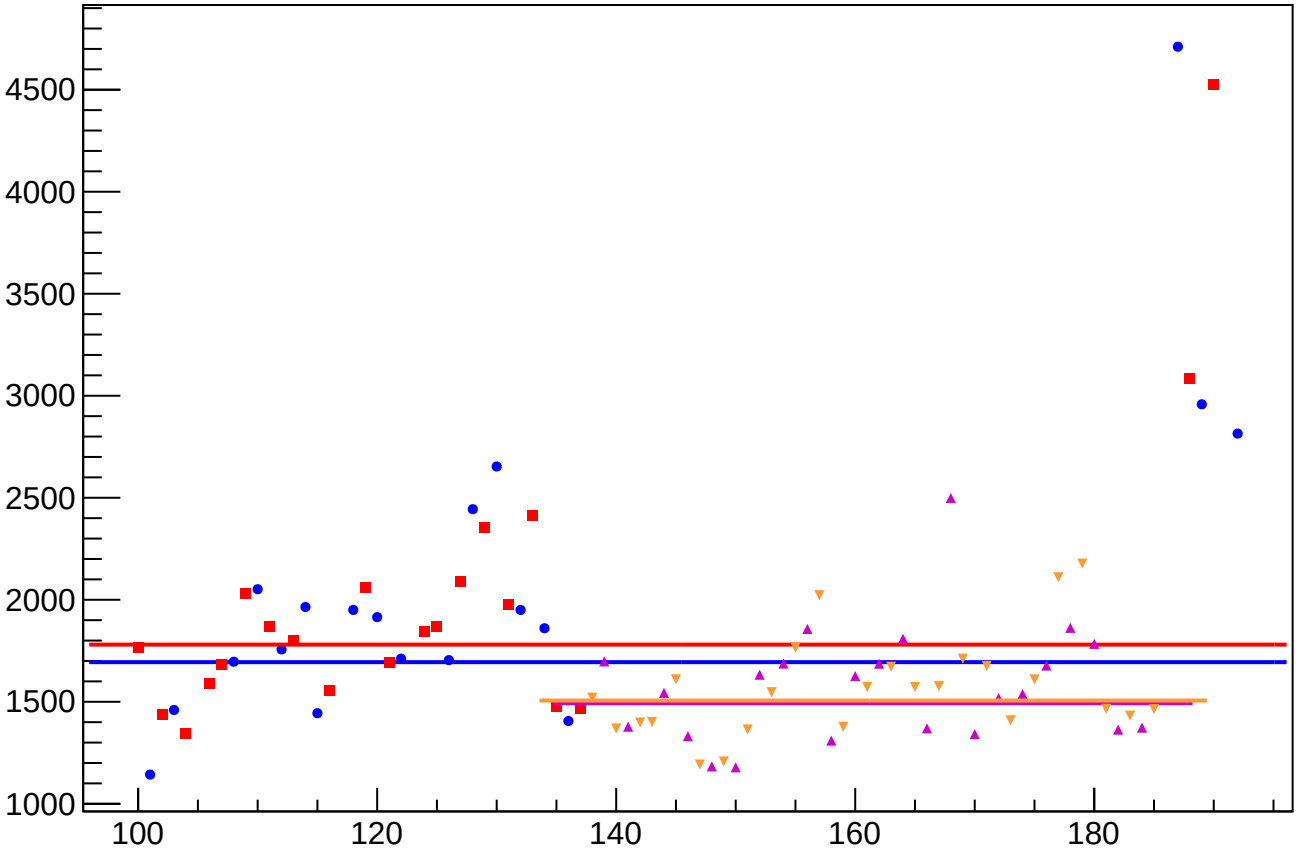
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 467.088+/-300.848 χ^2/NDF: 44.4/43

All: 376.487+/-215.315 χ^2/NDF: 77.9/87

- sign 281.349+/-308.291 χ^2/NDF: 33.3/43

asym_usr_overload_cor_correction_rms vs Slug



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

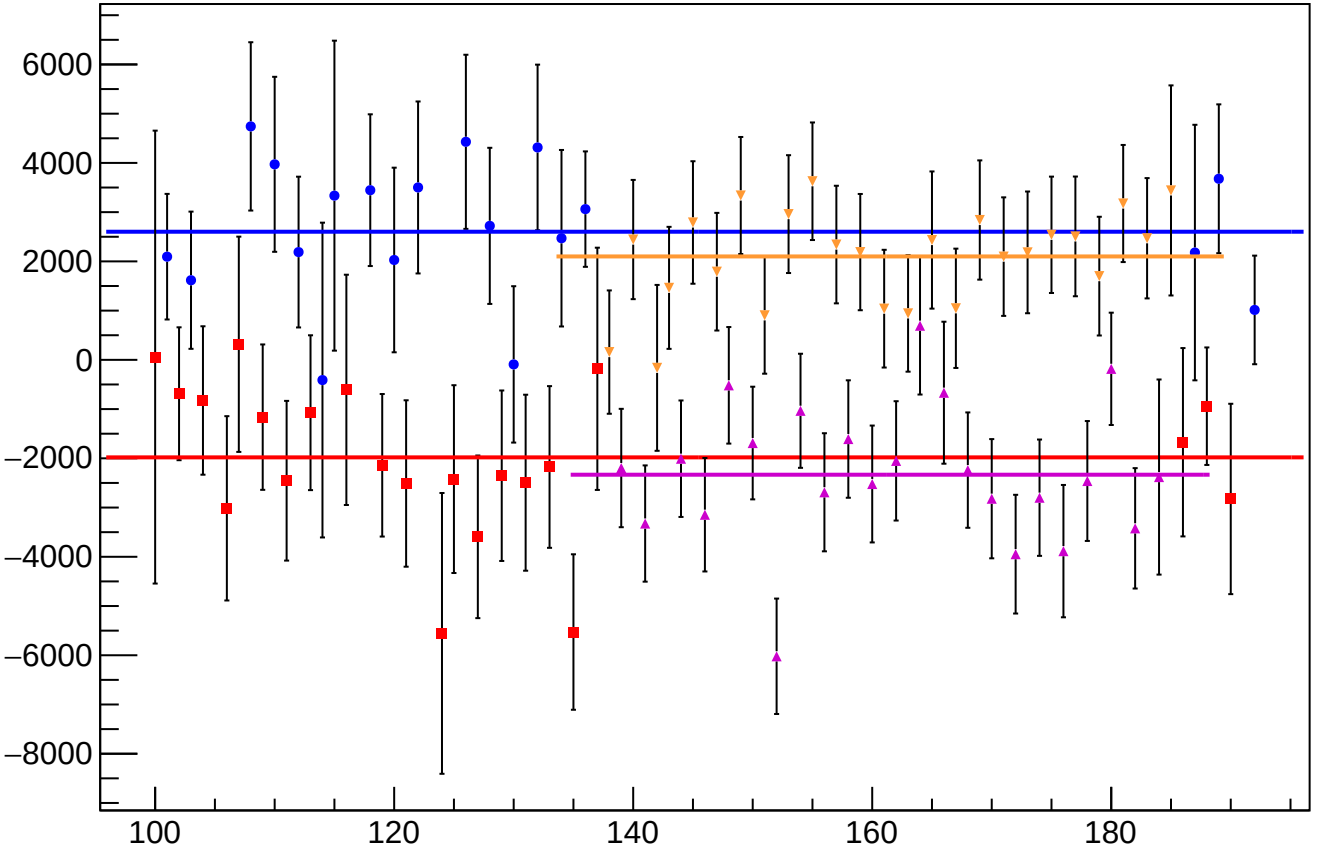
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1553.491+/-0.213 χ^2/NDF: 2142591.6/43

All: 1558.137+/-0.152 χ^2/NDF: 4425263.7/87

- sign 1563.016+/-0.218 χ^2/NDF: 2281694.0/43

eigen_cor_asym_usr_mean vs Slug



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

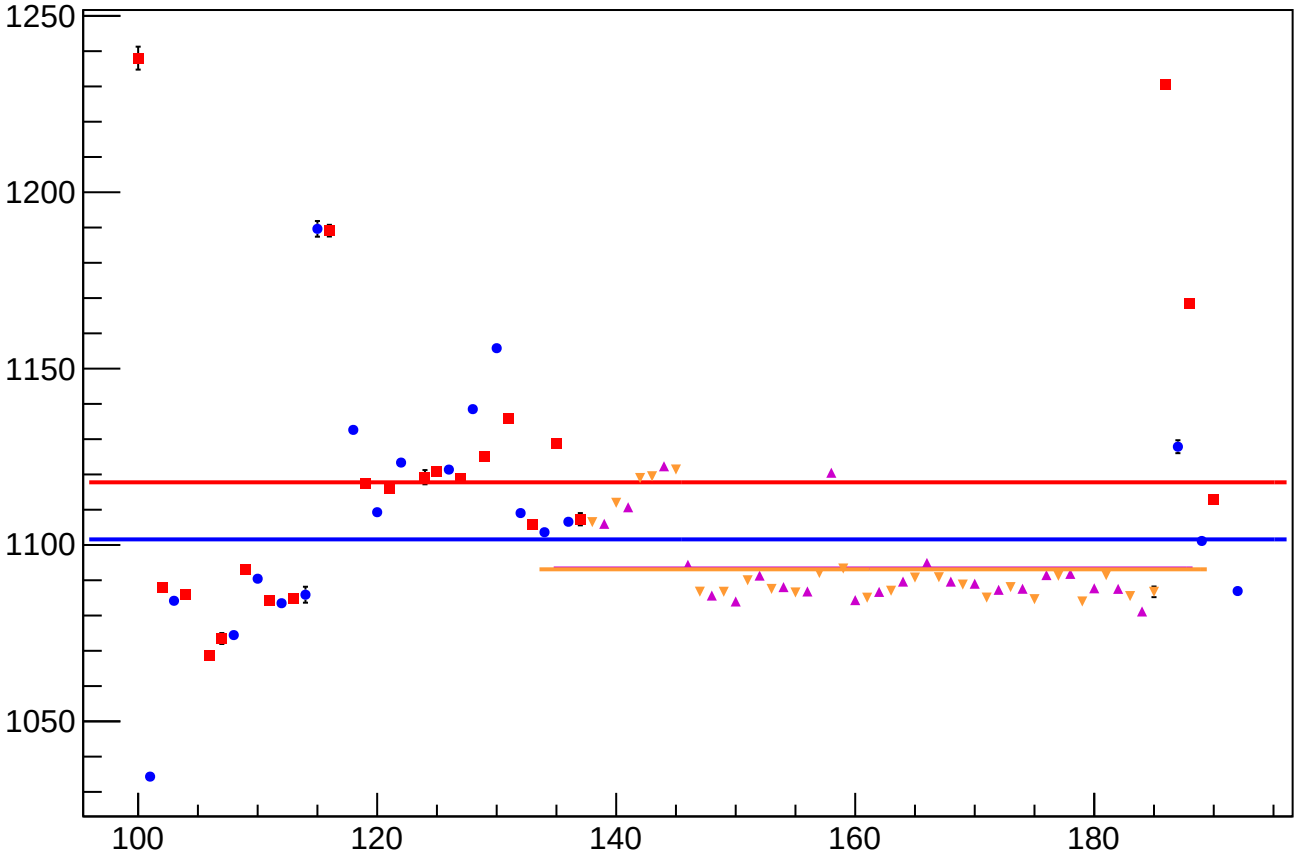
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2257.101+/-205.931 χ^2/NDF: 27.3/43

All: 60.838+/-146.961 χ^2/NDF: 302.8/88

- sign -2218.578+/-209.793 χ^2/NDF: 43.7/44

eigen_cor_asym_usr_rms vs Slug



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

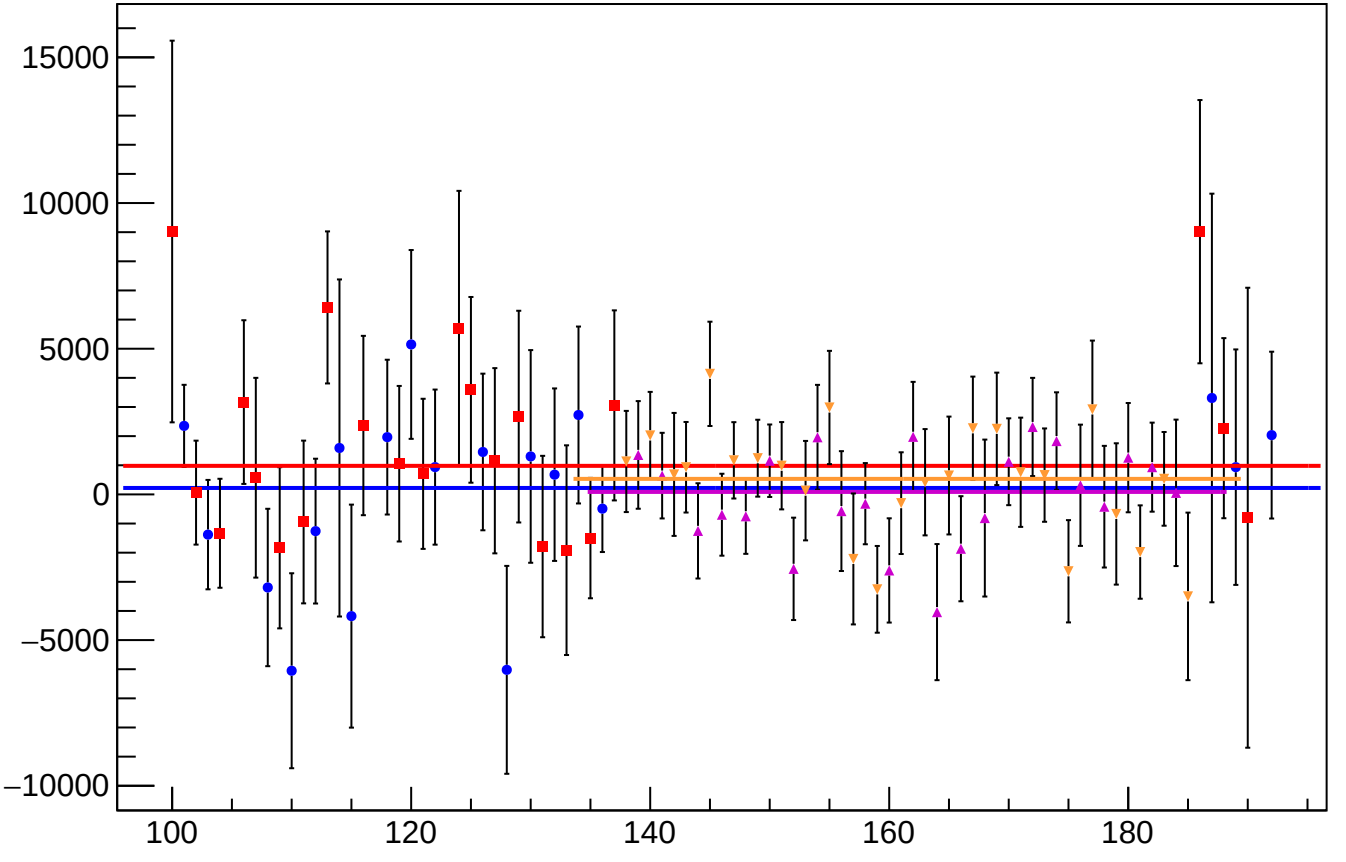
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.751+/-0.146 χ^2/NDF: 18517.3/43

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

- sign 1101.269+/-0.148 χ^2/NDF: 30291.8/44

asym_usr_eigen_cor_correction_mean vs Slug



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

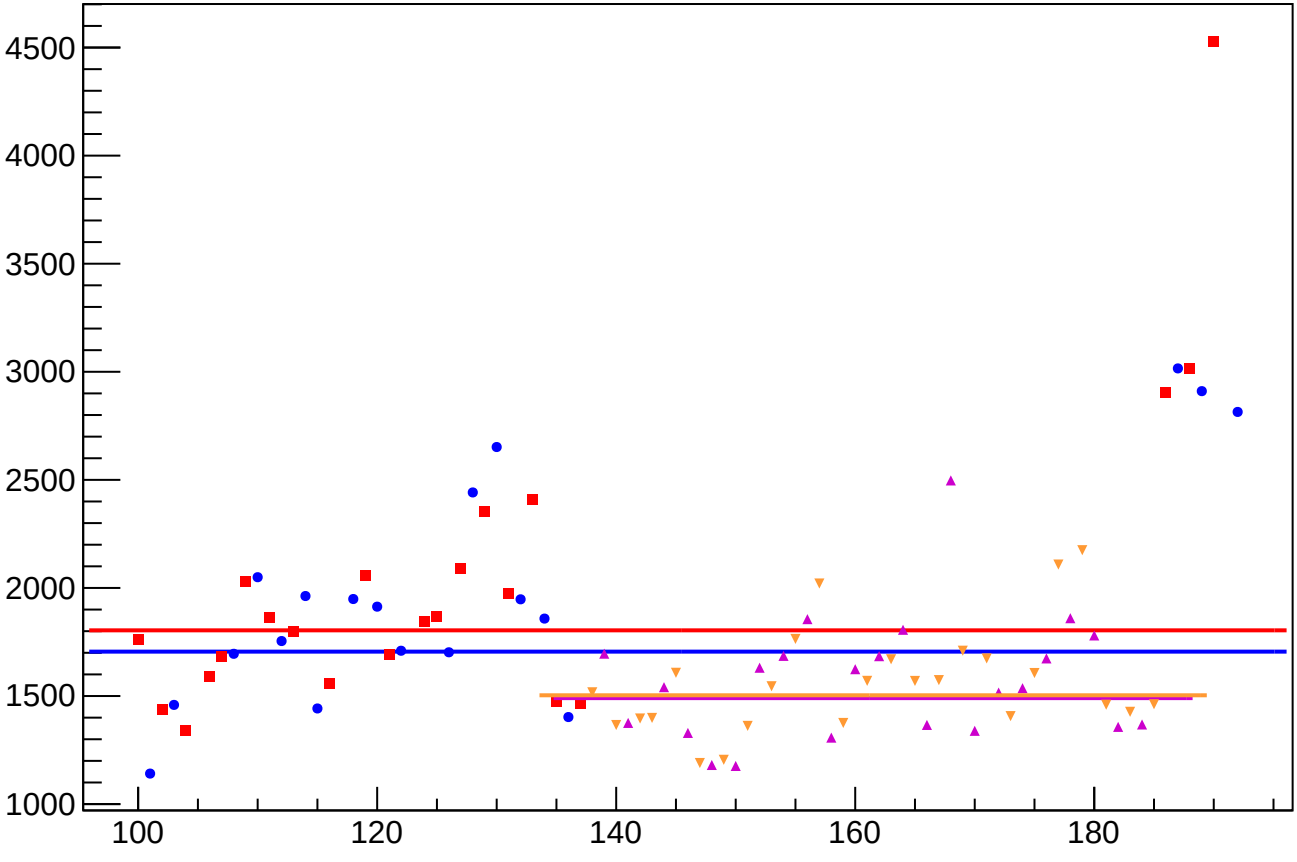
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 453.854+/-299.941 χ^2/NDF: 44.2/43

All: 382.280+/-214.507 χ^2/NDF: 82.6/88

\- sign 307.348+/-306.897 χ^2/NDF: 38.2/44

asym_usr_eigen_cor_correction_rms vs Slug



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

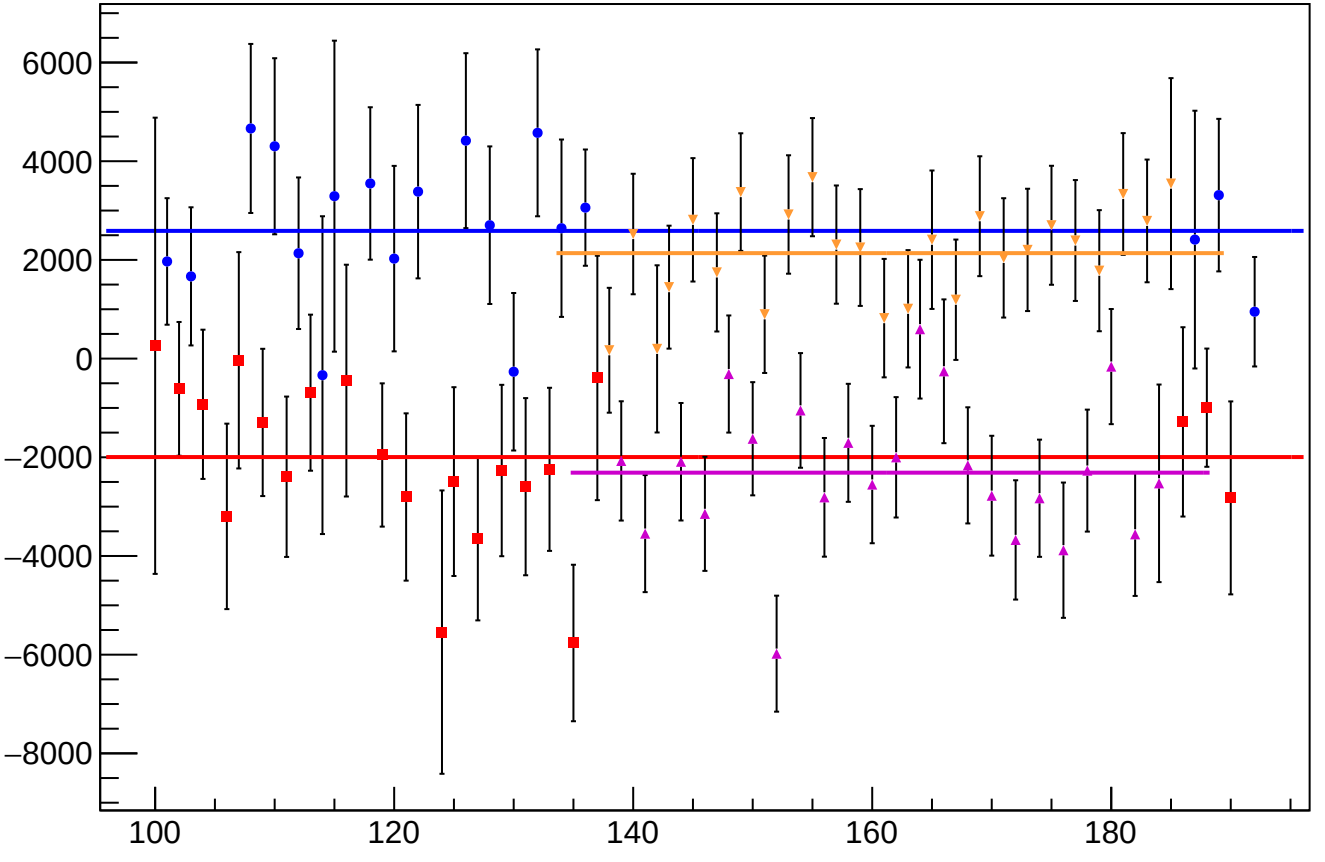
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1554.692+/-0.212 χ^2/NDF: 2255293.2/43

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

- sign 1568.120+/-0.217 χ^2/NDF: 2490874.1/44

dit_asym_usr_mean vs Slug



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

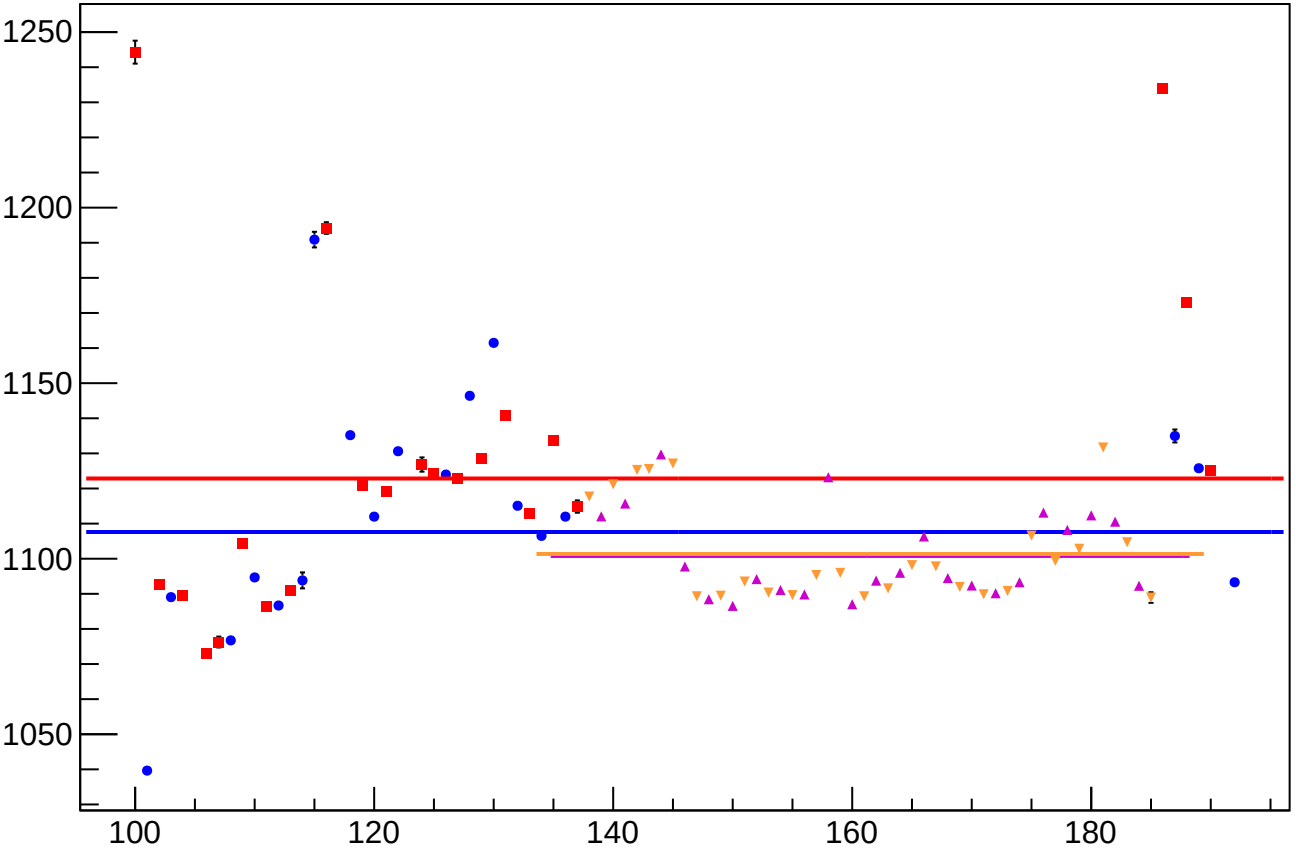
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2278.388+/-207.361 χ^2/NDF: 27.9/43

All: 74.653+/-147.922 χ^2/NDF: 302.7/88

- sign -2208.736+/-211.076 χ^2/NDF: 44.9/44

dit_asym_usr_rms vs Slug



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

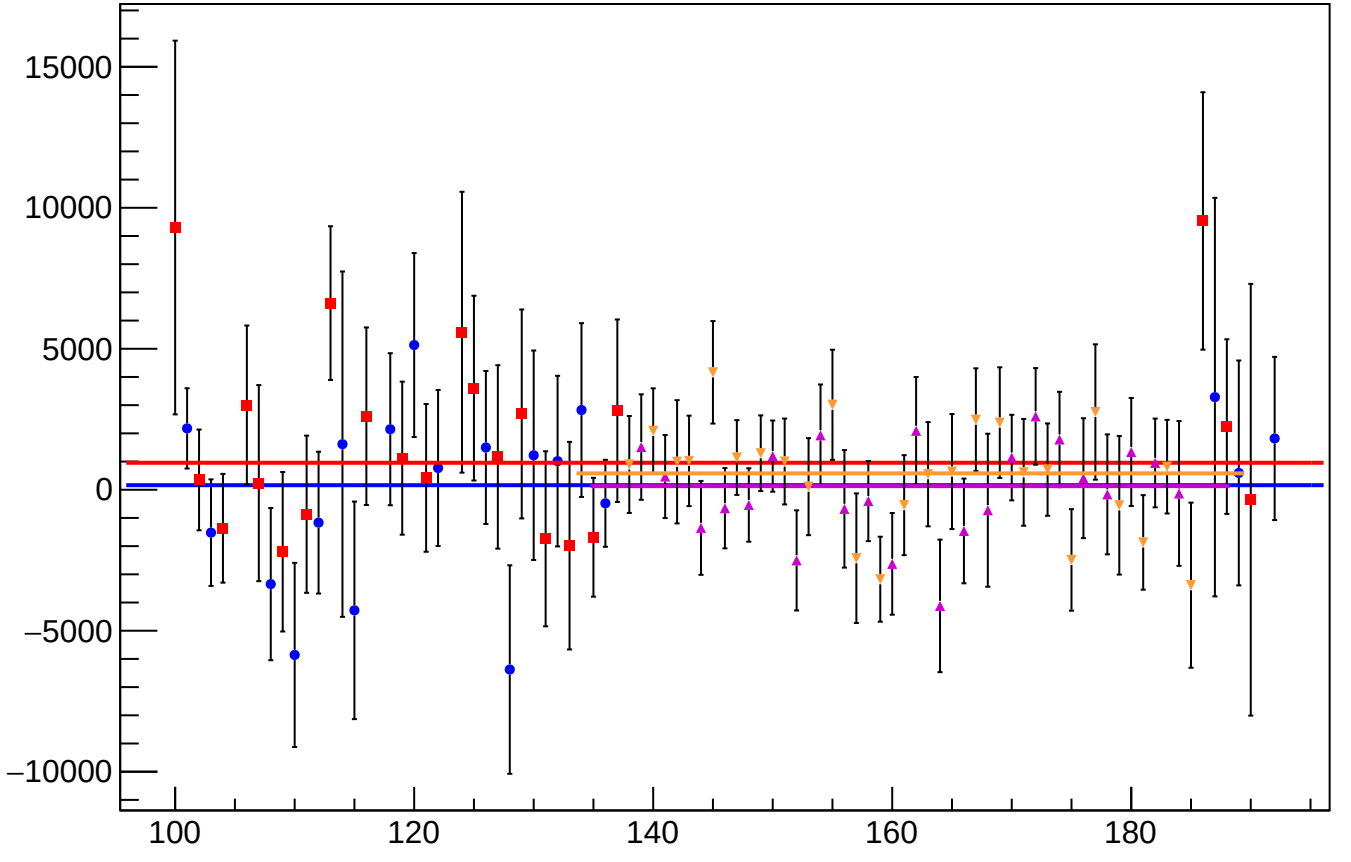
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.312+/-0.147 χ^2/NDF: 20391.4/43

All: 1105.602+/-0.105 χ^2/NDF: 50623.9/88

- sign 1107.975+/-0.149 χ^2/NDF: 29735.9/44

asym_usr_dit_correction_mean vs Slug



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

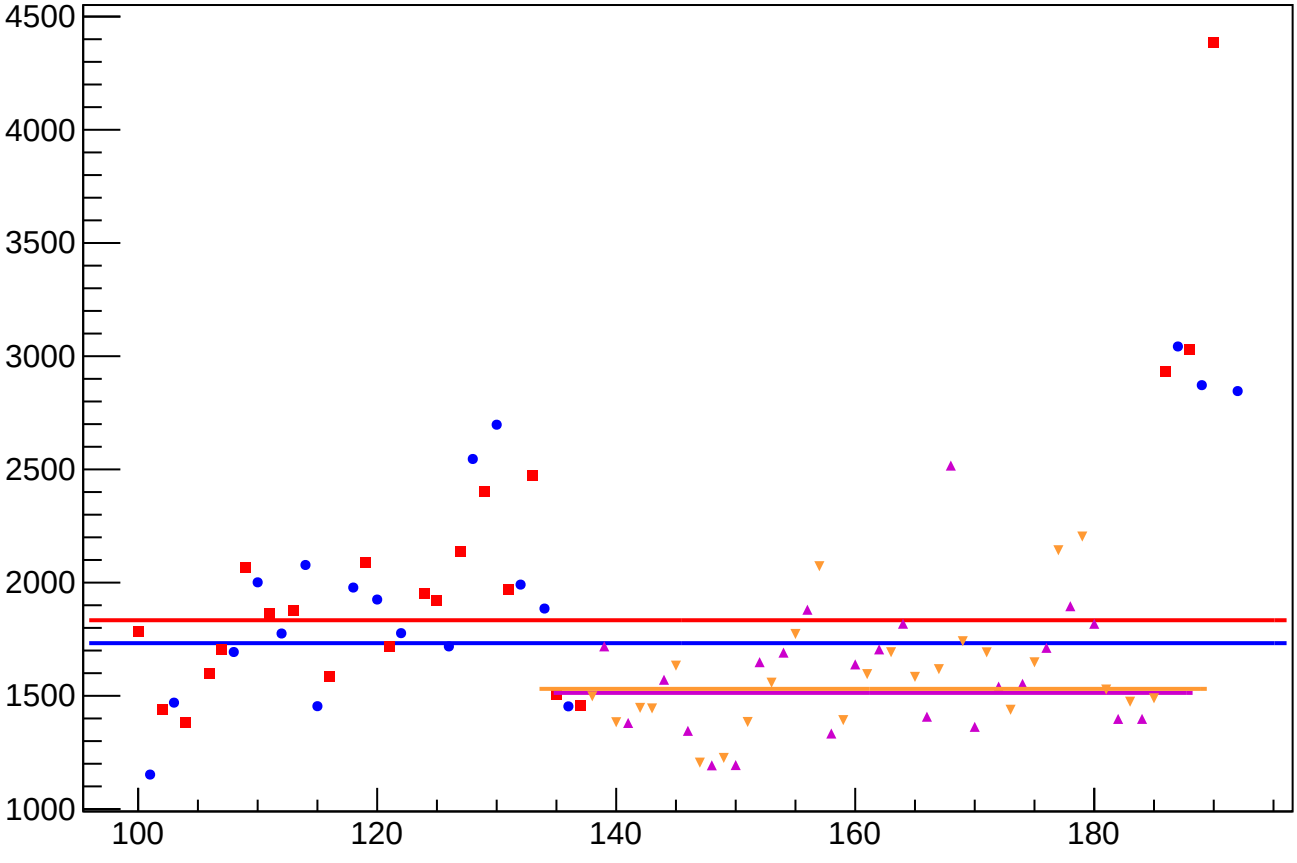
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

\+ sign 474.400+/-305.070 χ^2/NDF: 43.2/43

All: 405.683+/-217.955 χ^2/NDF: 81.3/88

\- sign 334.040+/-311.500 χ^2/NDF: 38.0/44

asym_usr_dit_correction_rms vs Slug



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

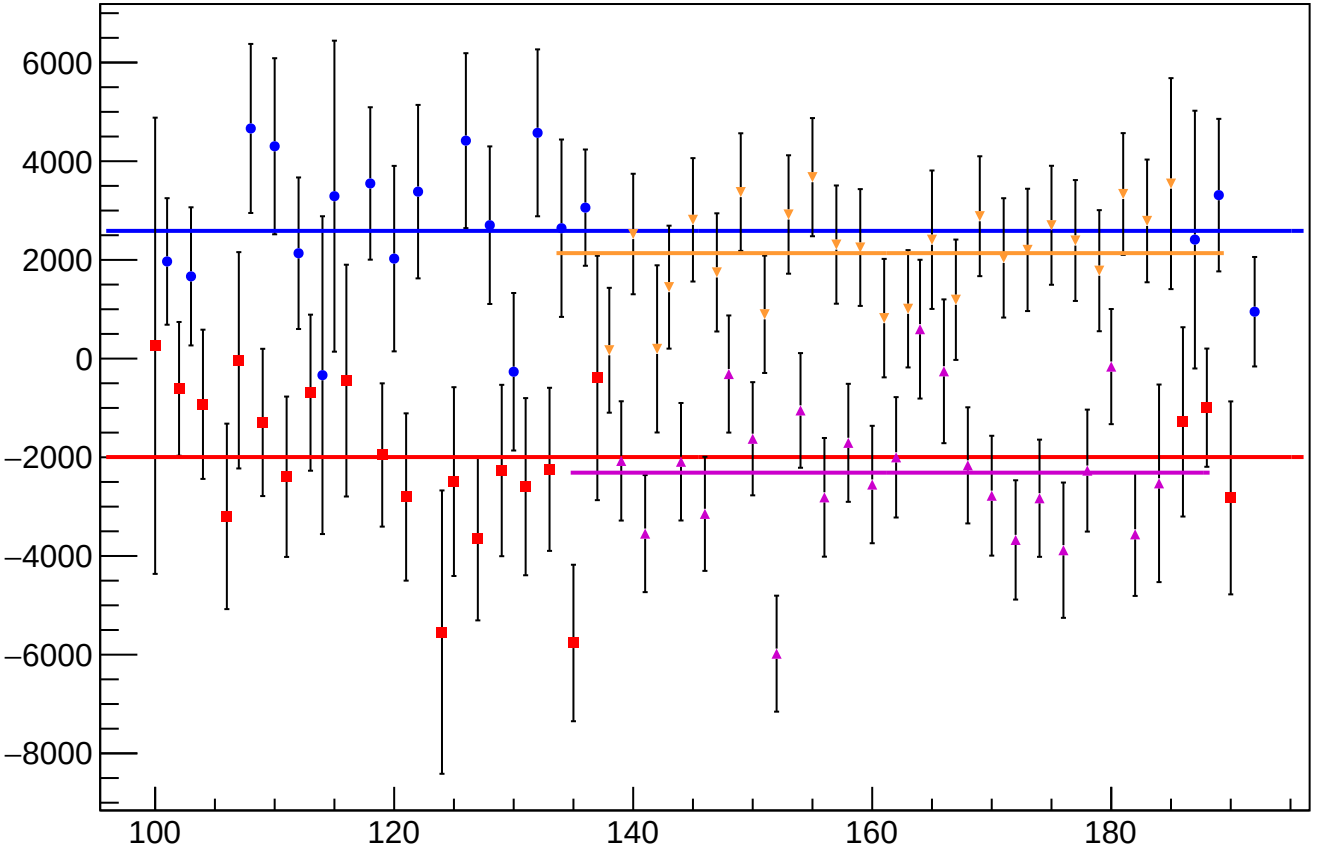
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1582.182+/-0.216 χ^2/NDF: 2233253.6/43

All: 1587.193+/-0.154 χ^2/NDF: 4701197.2/88

- sign 1592.417+/-0.220 χ^2/NDF: 2466841.4/44

eigen_dit_asym_usr_mean vs Slug



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

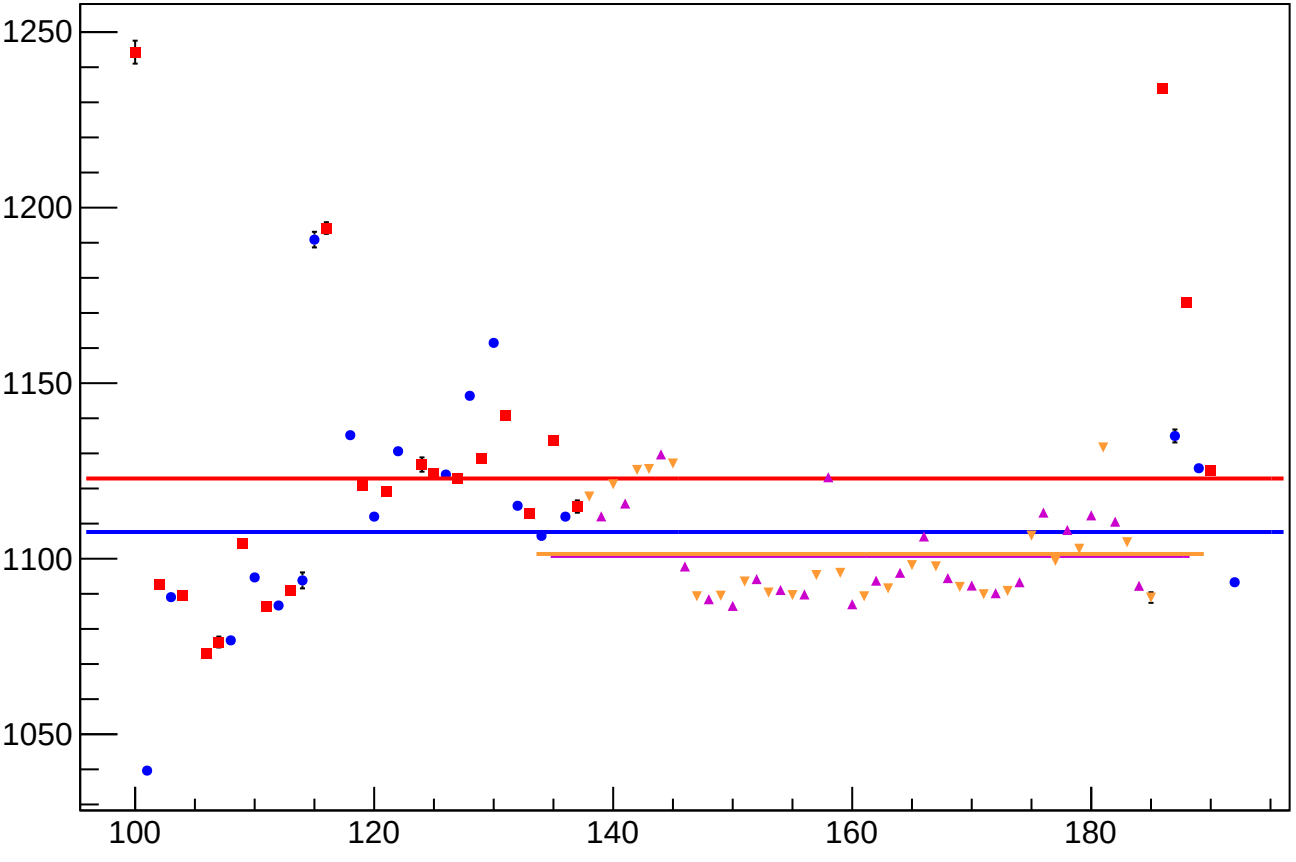
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2278.387+/-207.361 χ^2/NDF: 27.9/43

All: 74.652+/-147.922 χ^2/NDF: 302.7/88

- sign -2208.736+/-211.076 χ^2/NDF: 44.9/44

eigen_dit_asym_usr_rms vs Slug



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

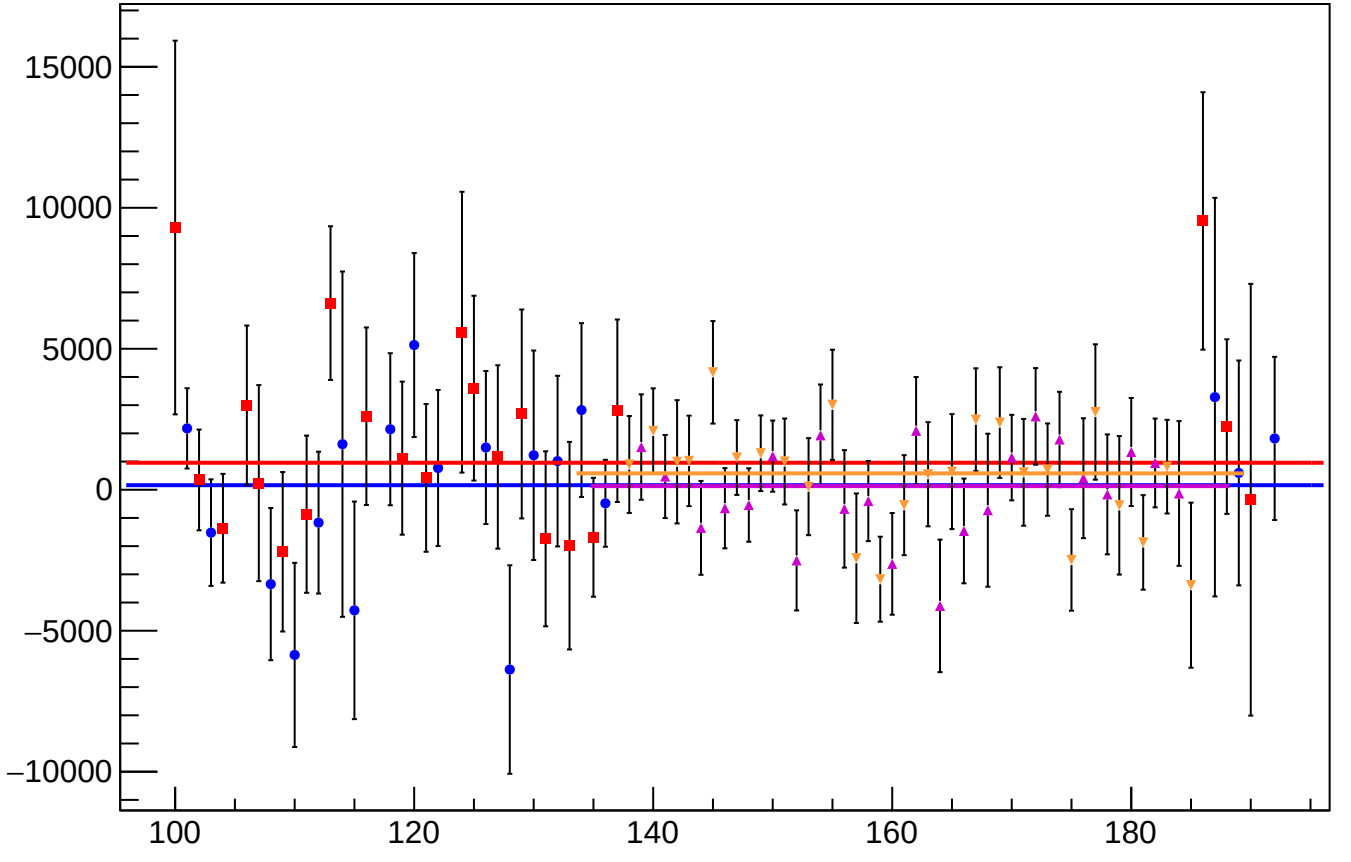
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.312+/-0.147 χ^2/NDF: 20391.3/43

All: 1105.602+/-0.105 χ^2/NDF: 50623.7/88

- sign 1107.975+/-0.149 χ^2/NDF: 29735.8/44

asym_usr_eigen_dit_correction_mean vs Slug



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

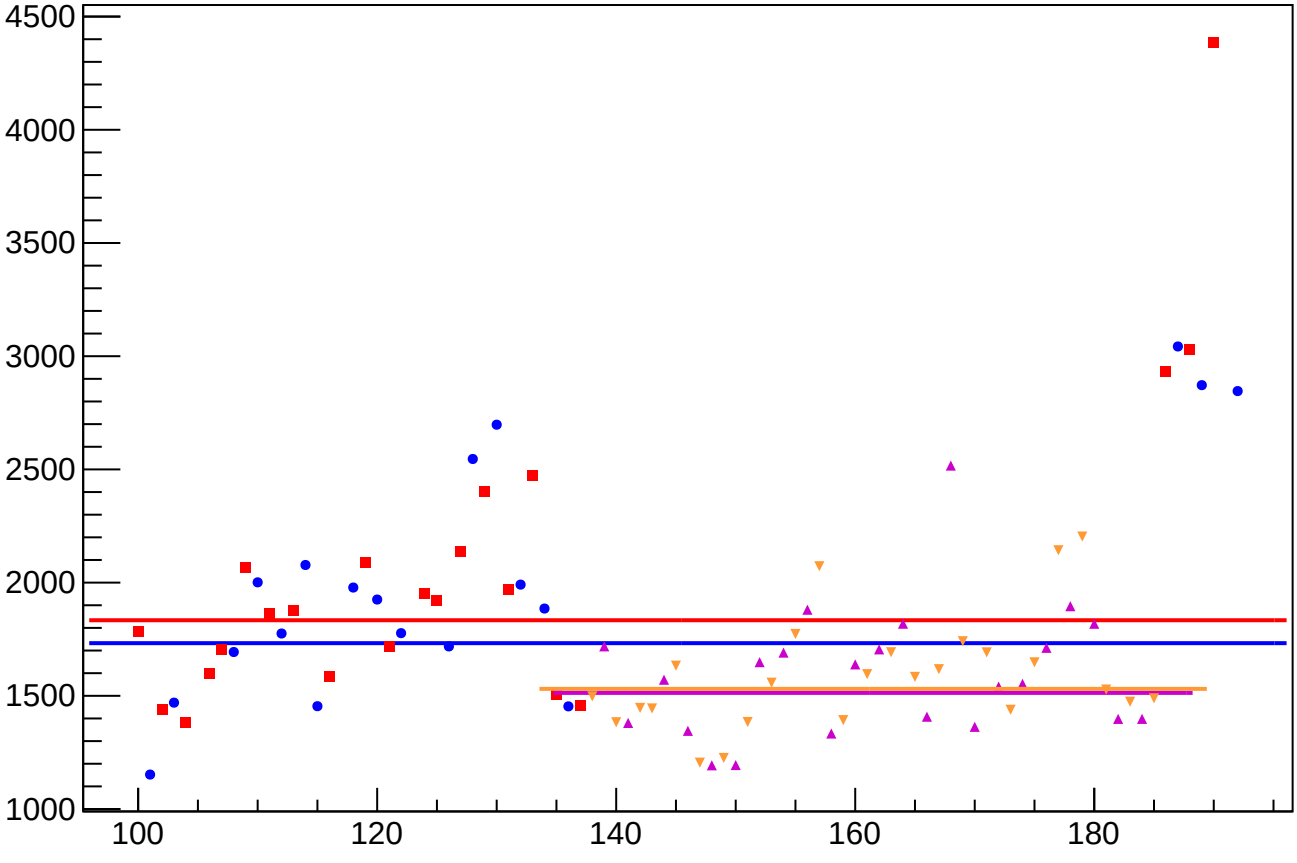
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

+ sign 474.397+/-305.071 χ^2/NDF: 43.2/43

All: 405.683+/-217.955 χ^2/NDF: 81.3/88

- sign 334.042+/-311.500 χ^2/NDF: 38.0/44

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1732.586+/-0.427 χ^2/NDF: 1271413.1/18

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

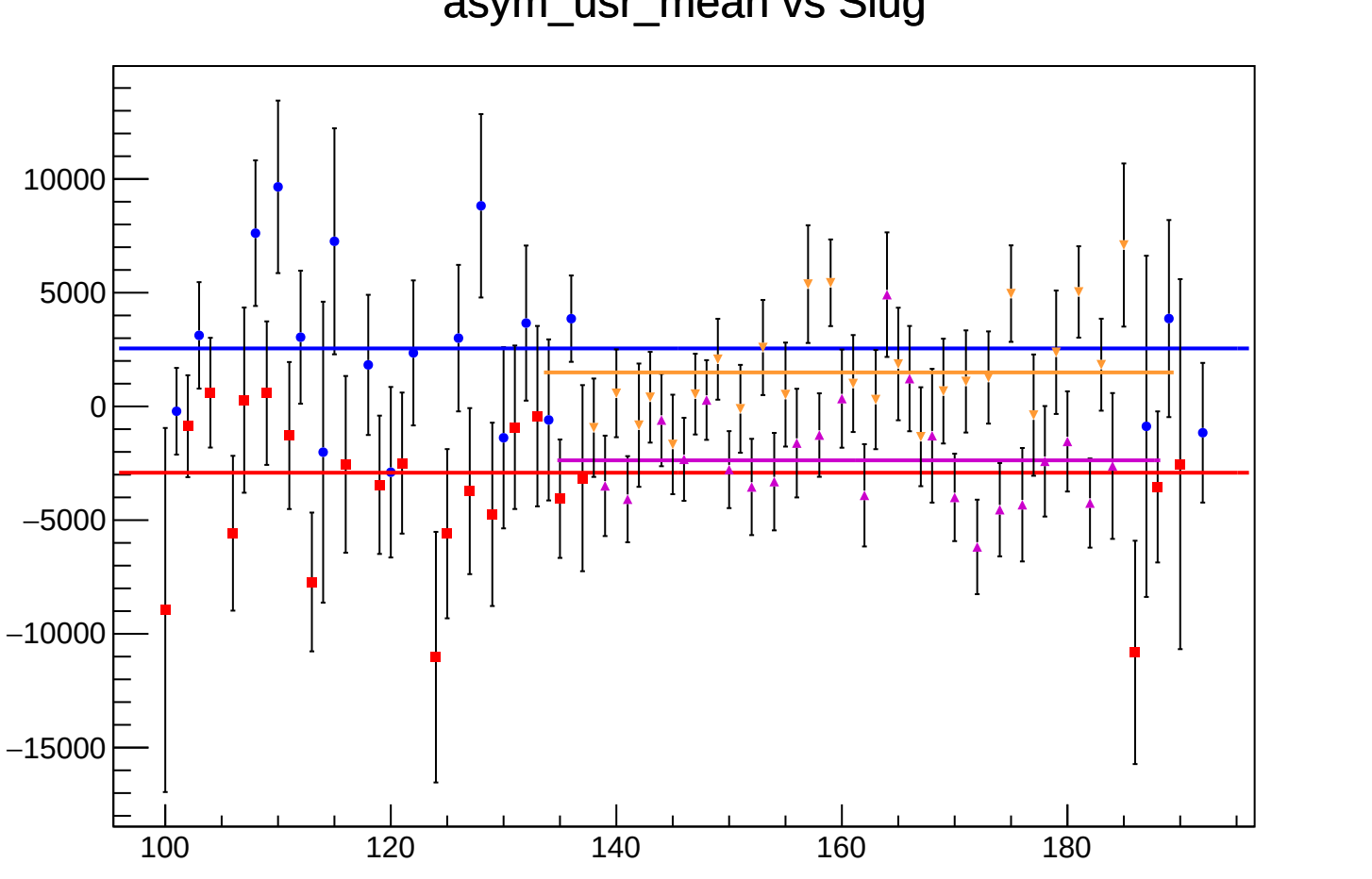
Right Out: 1833.834+/-0.443 χ^2/NDF: 1114319.0/21

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

\+ sign 1582.185+/-0.216 χ^2/NDF: 2233233.3/43

All: 1587.196+/-0.154 χ^2/NDF: 4701156.3/88

\- sign 1592.420+/-0.220 χ^2/NDF: 2466820.8/44



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

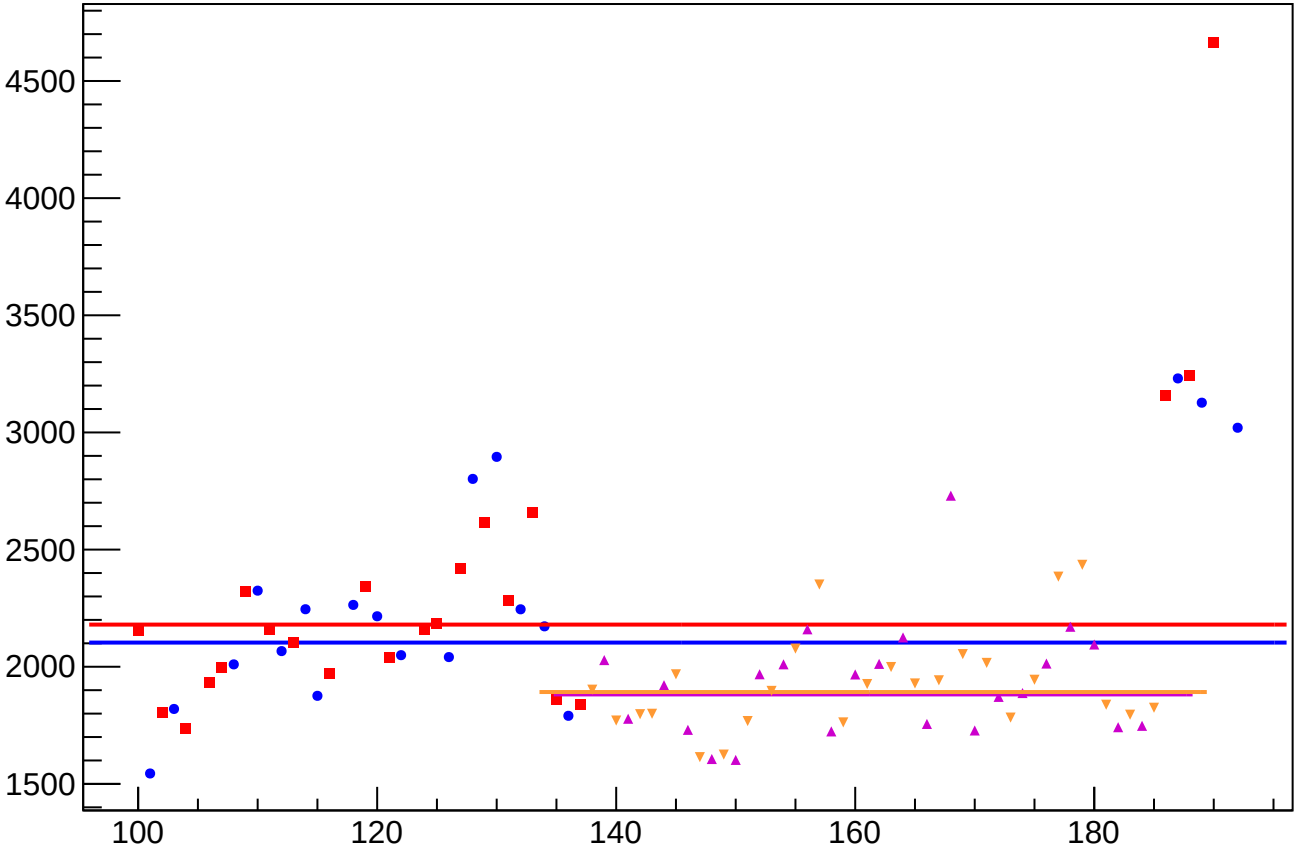
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1774.570+/-371.378 χ^2/NDF: 43.6/43

All: -325.072+/-265.374 χ^2/NDF: 148.3/88

- sign -2515.711+/-379.340 χ^2/NDF: 39.3/44

asym_usr_rms vs Slug



Right In: 2103.135+/-0.510 χ^2/NDF: 756646.7/18

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

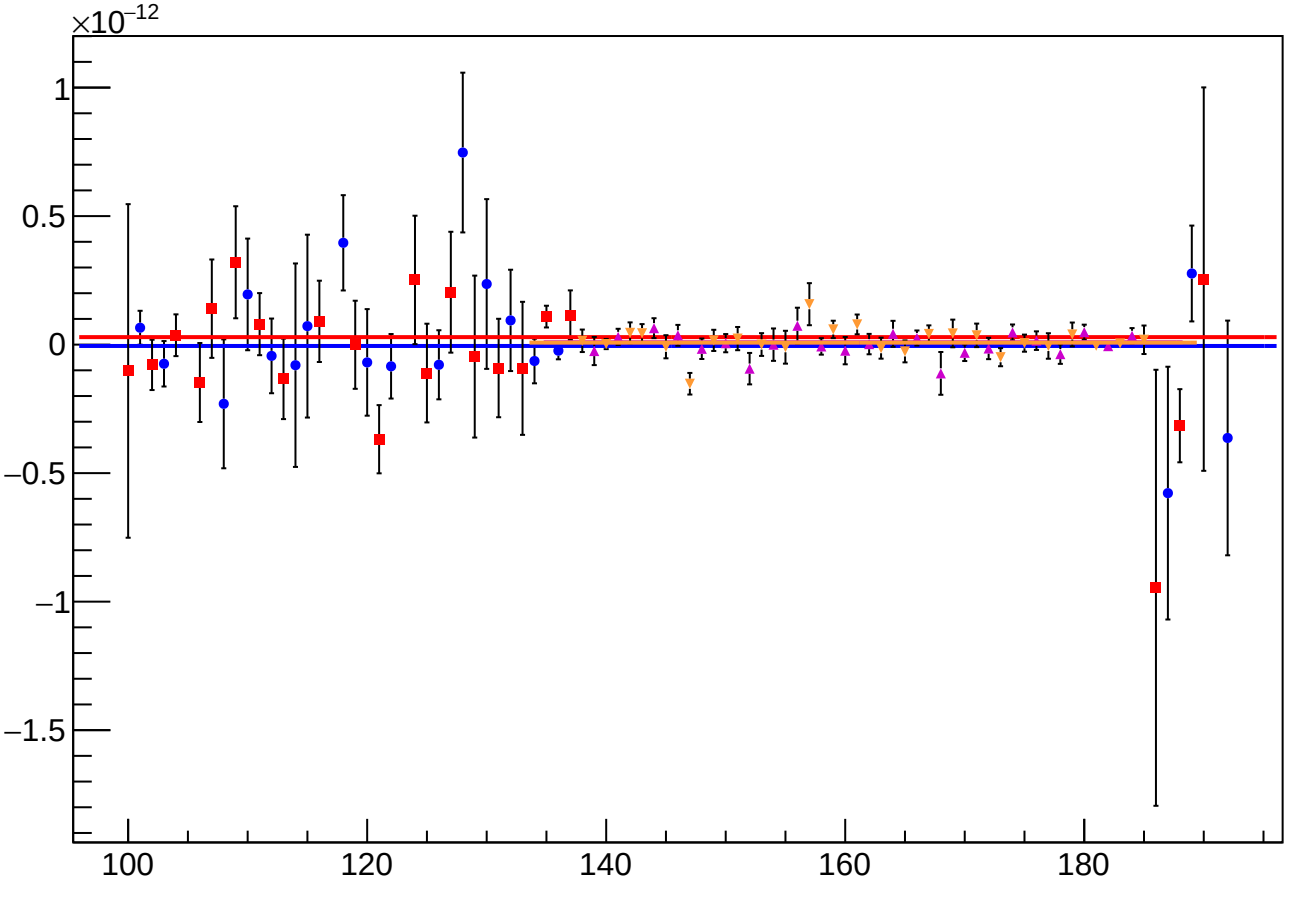
Right Out: 2179.909+/-0.520 χ^2/NDF: 737910.4/21

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 1948.045+/-0.263 χ^2/NDF: 1272074.0/43

All: 1954.552+/-0.188 χ^2/NDF: 2715249.7/88

- sign 1961.341+/-0.268 χ^2/NDF: 1441921.0/44



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

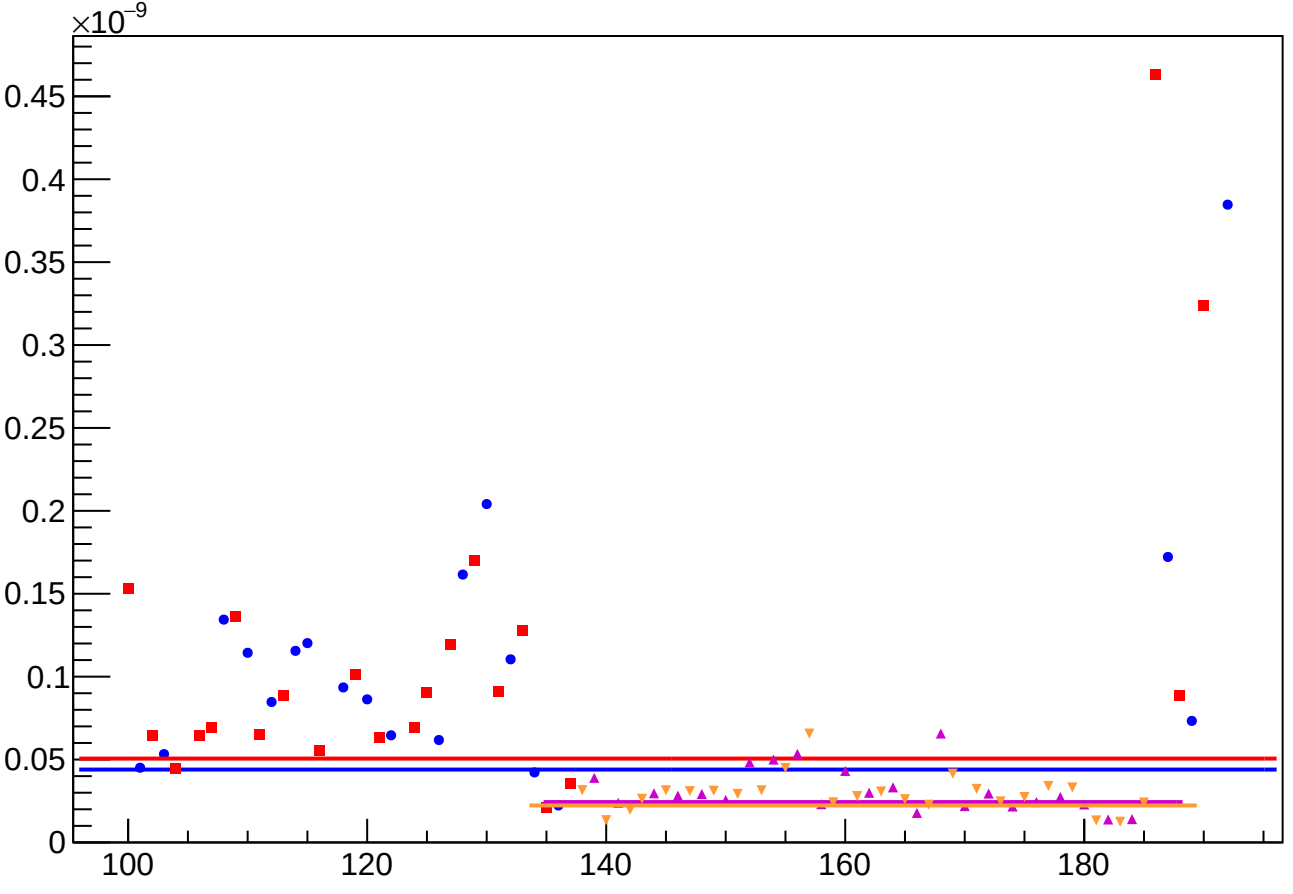
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/43

All: 0.000+/-0.000 χ^2/NDF: 102.4/88

- sign 0.000+/-0.000 χ^2/NDF: 48.9/44

asym_usr_reg_vs_cor_diff_rms vs Slug



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

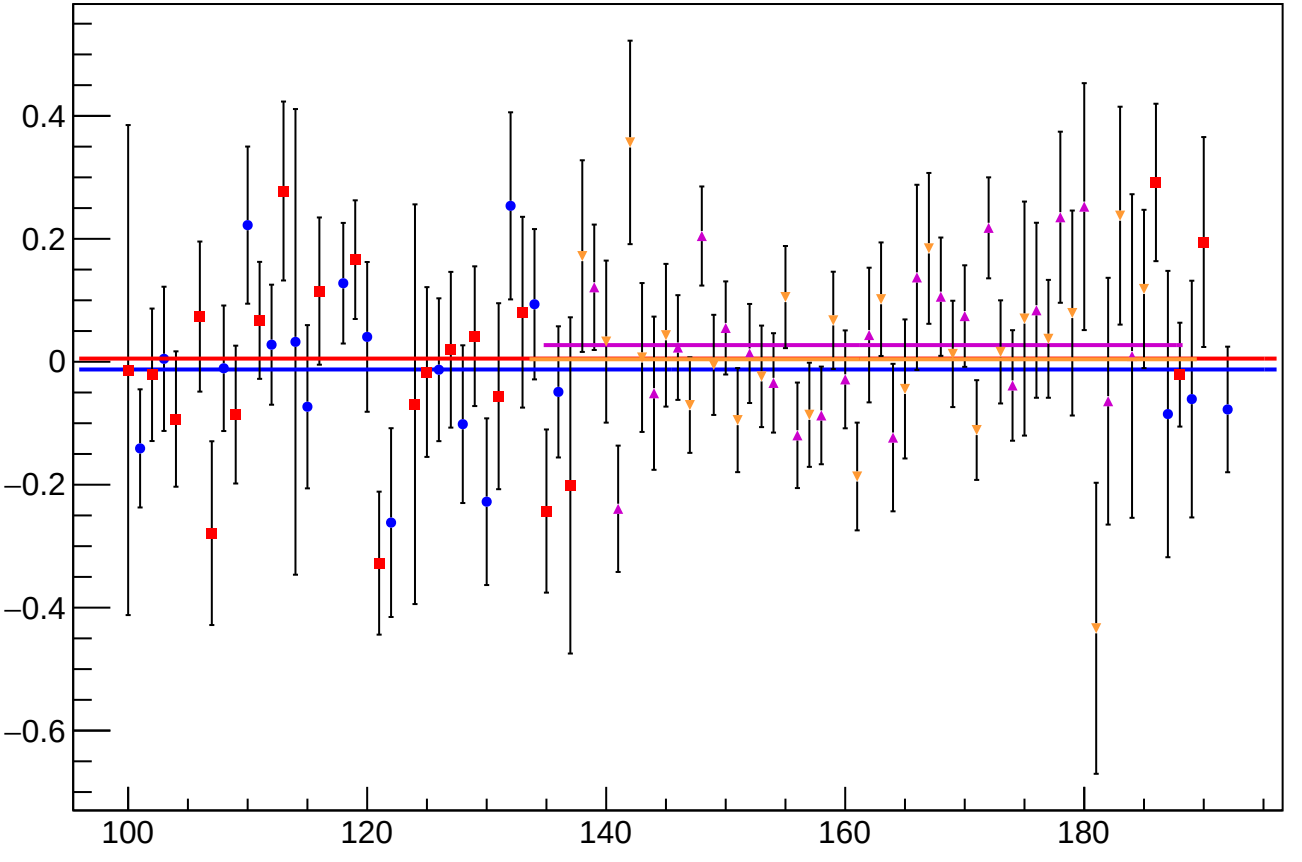
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9373946.0/43

All: 0.000+/-0.000 χ^2/NDF: 17930213.0/88

- sign 0.000+/-0.000 χ^2/NDF: 8441870.3/44

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.028 χ^2/NDF: 17.9/18

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

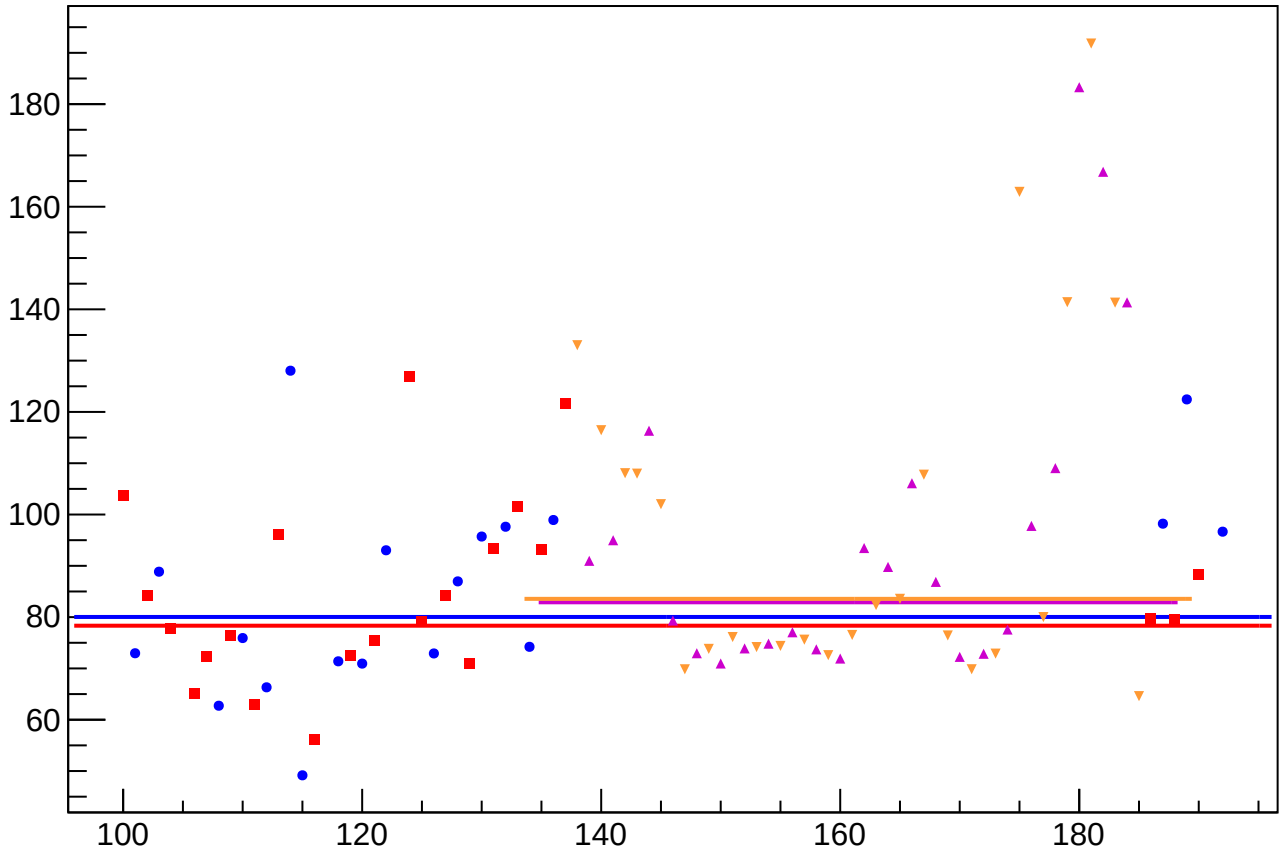
Right Out: 0.005+/-0.027 χ^2/NDF: 32.2/21

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.002+/-0.016 χ^2/NDF: 46.3/43

All: 0.009+/-0.012 χ^2/NDF: 111.7/88

- sign 0.019+/-0.016 χ^2/NDF: 64.5/44



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

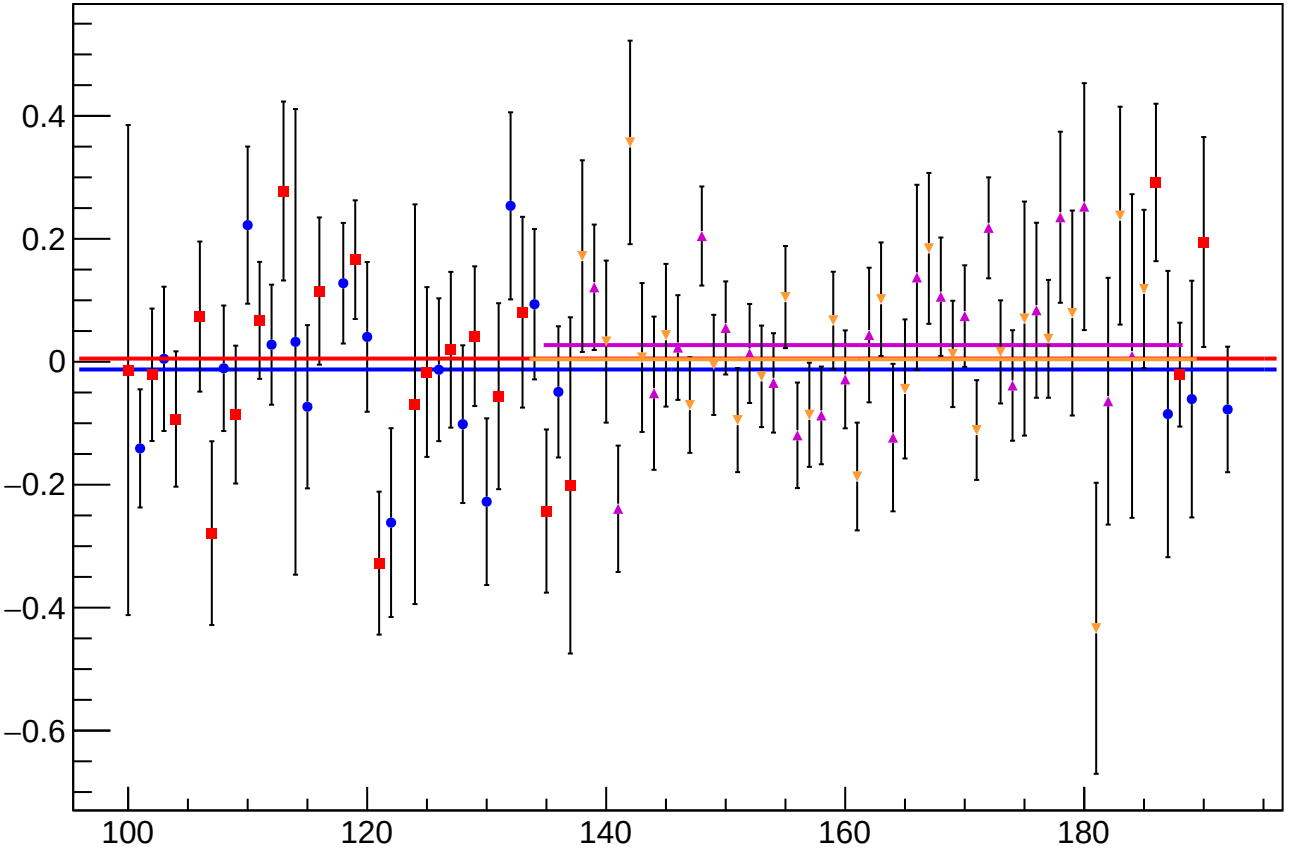
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

\+ sign 82.364+/-0.012 χ^2/NDF: 2792000.1/43

All: 81.788+/-0.008 χ^2/NDF: 4810489.7/88

\- sign 81.221+/-0.012 χ^2/NDF: 2013646.3/44

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



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

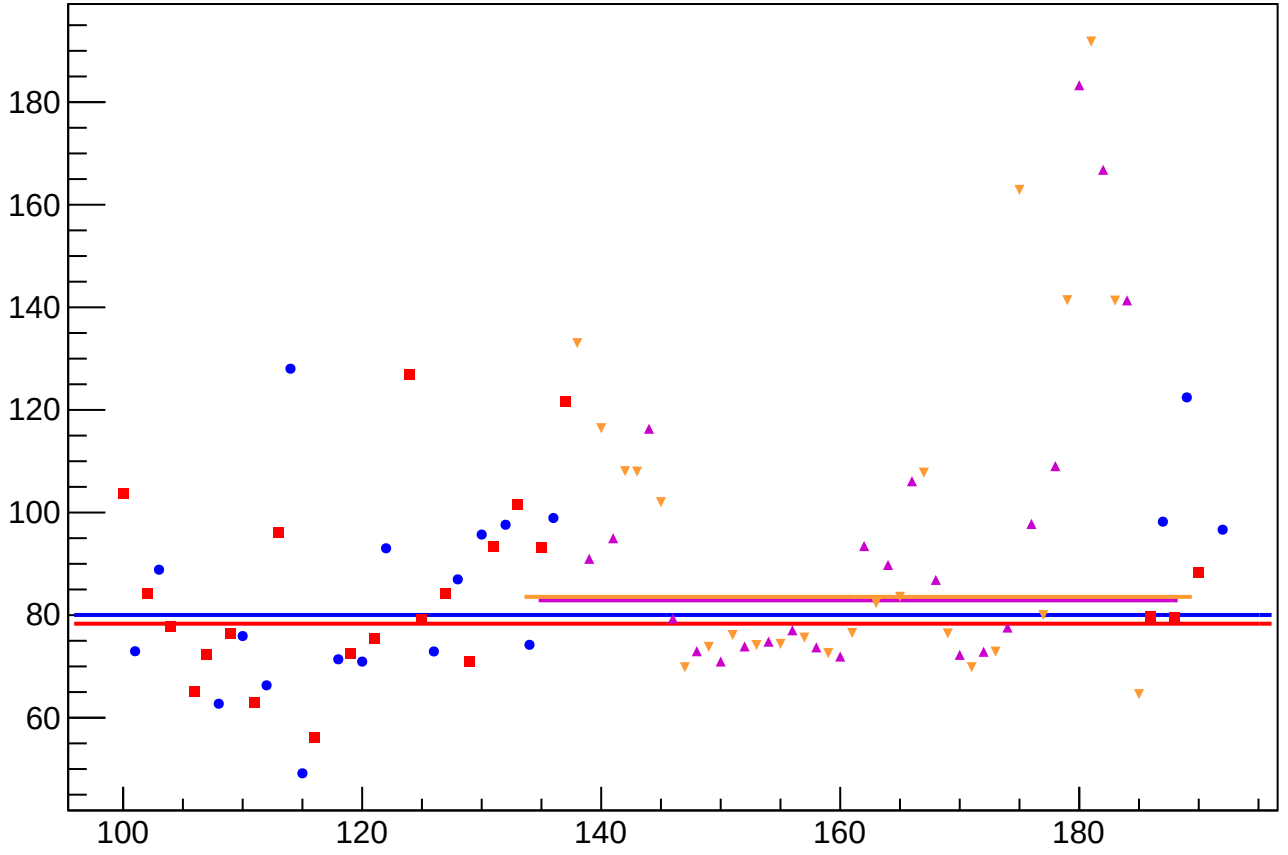
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.002+/-0.016 χ^2/NDF: 46.3/43

All: 0.009+/-0.012 χ^2/NDF: 111.7/88

- sign 0.019+/-0.016 χ^2/NDF: 64.5/44

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



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

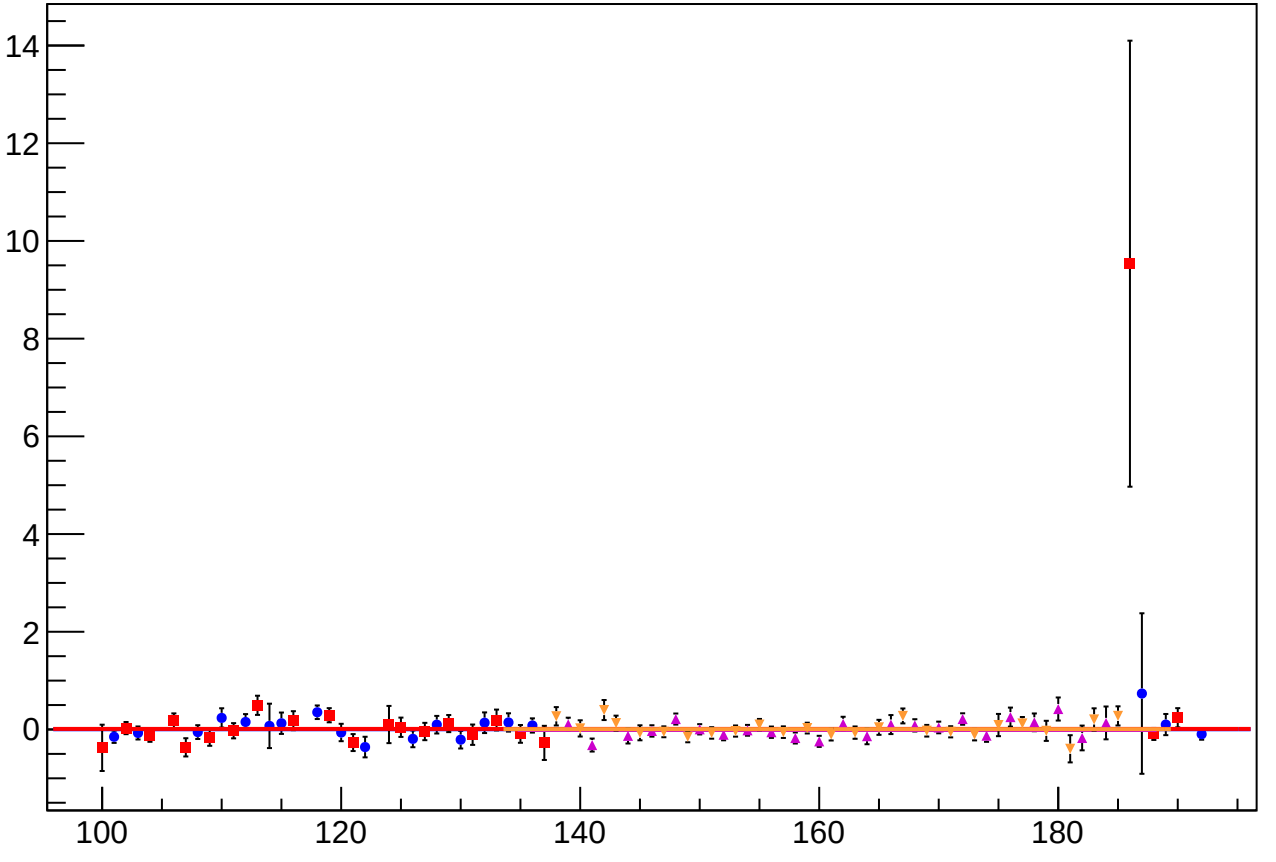
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 82.364+/-0.012 χ^2/NDF: 2792000.1/43

All: 81.788+/-0.008 χ^2/NDF: 4810489.7/88

- sign 81.221+/-0.012 χ^2/NDF: 2013646.3/44

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



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

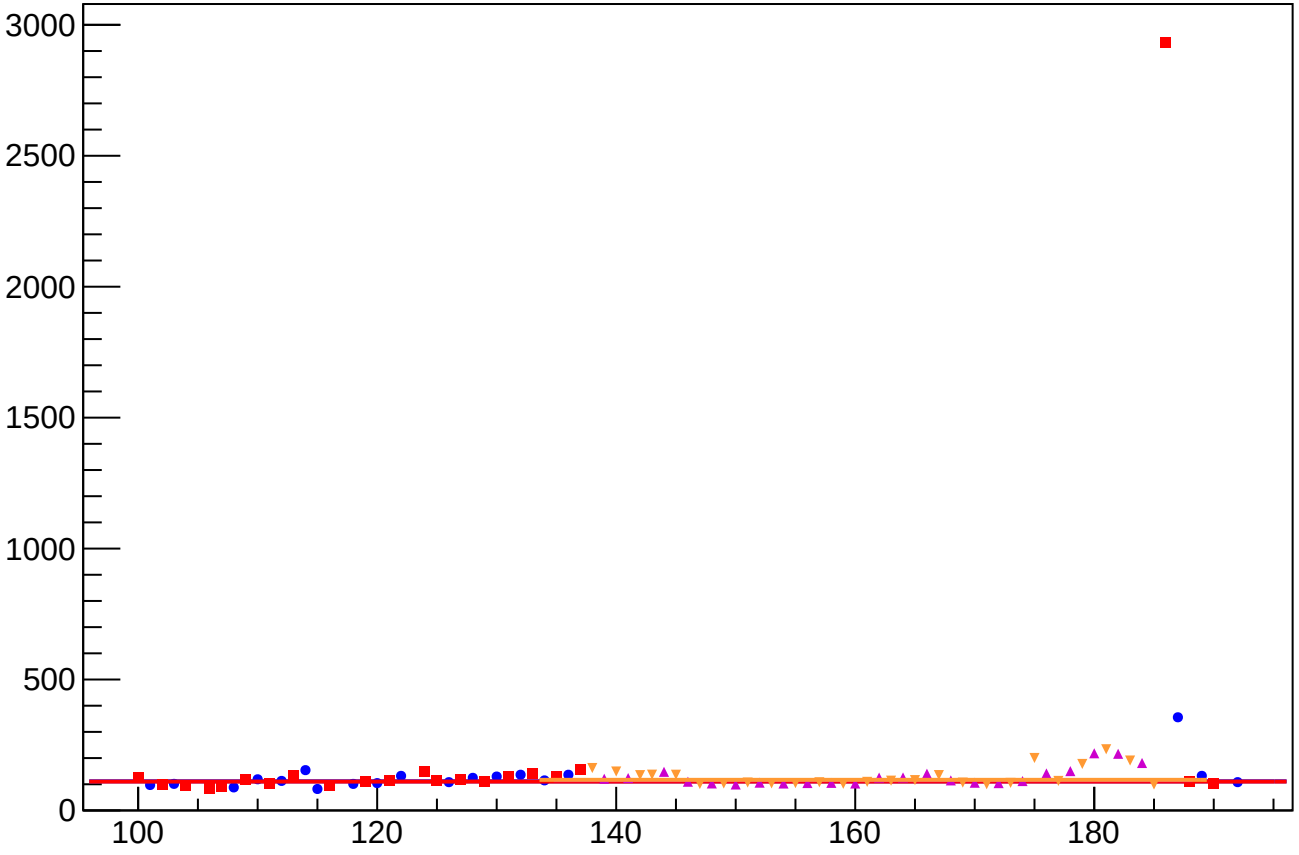
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.005+/-0.023 χ^2/NDF: 40.7/43

All: 0.001+/-0.016 χ^2/NDF: 102.5/88

- sign -0.003+/-0.023 χ^2/NDF: 61.7/44

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



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

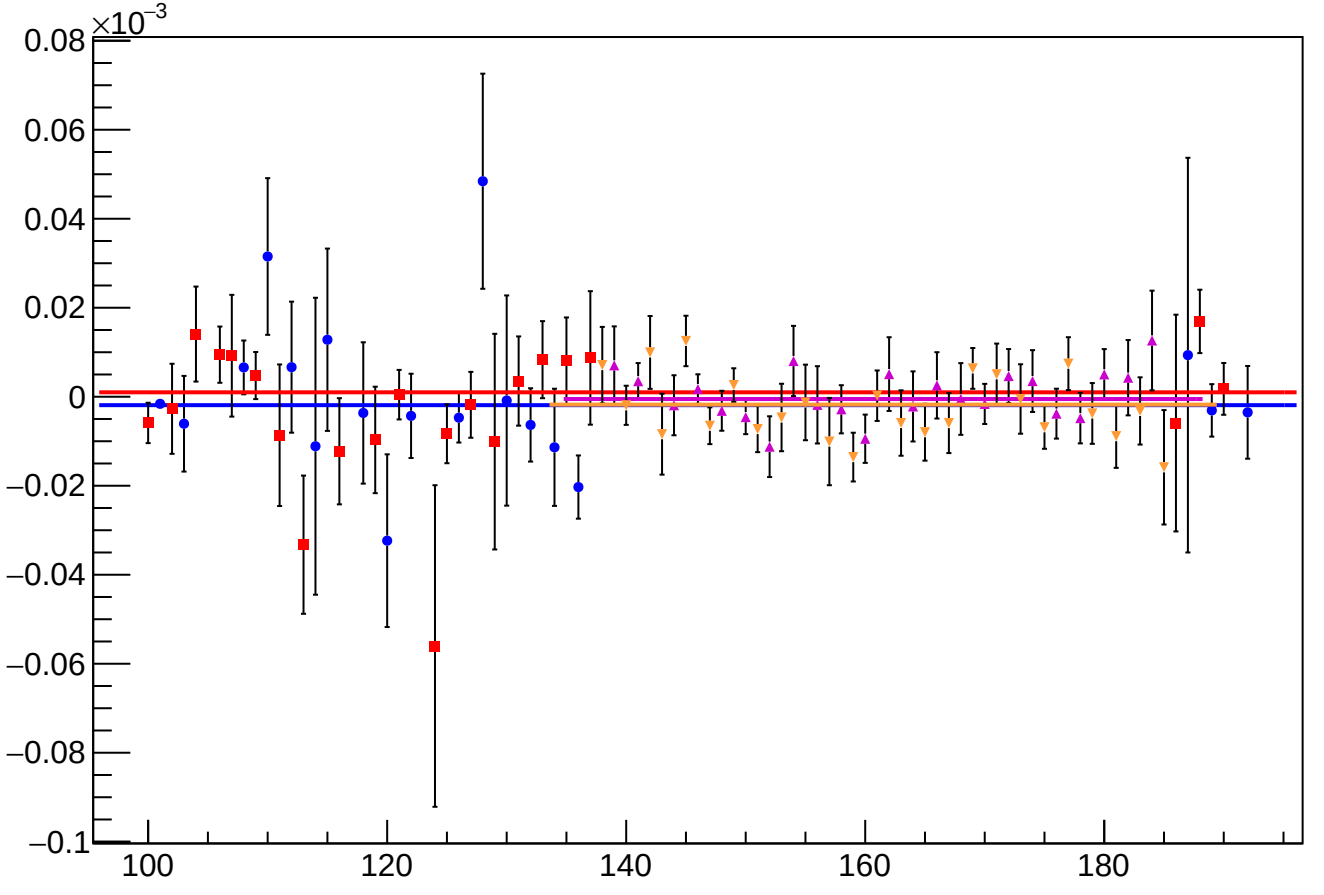
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 114.977+/-0.016 χ^2/NDF: 1989573.5/43

All: 114.450+/-0.011 χ^2/NDF: 4344616.9/88

- sign 113.919+/-0.016 χ^2/NDF: 2352864.7/44

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

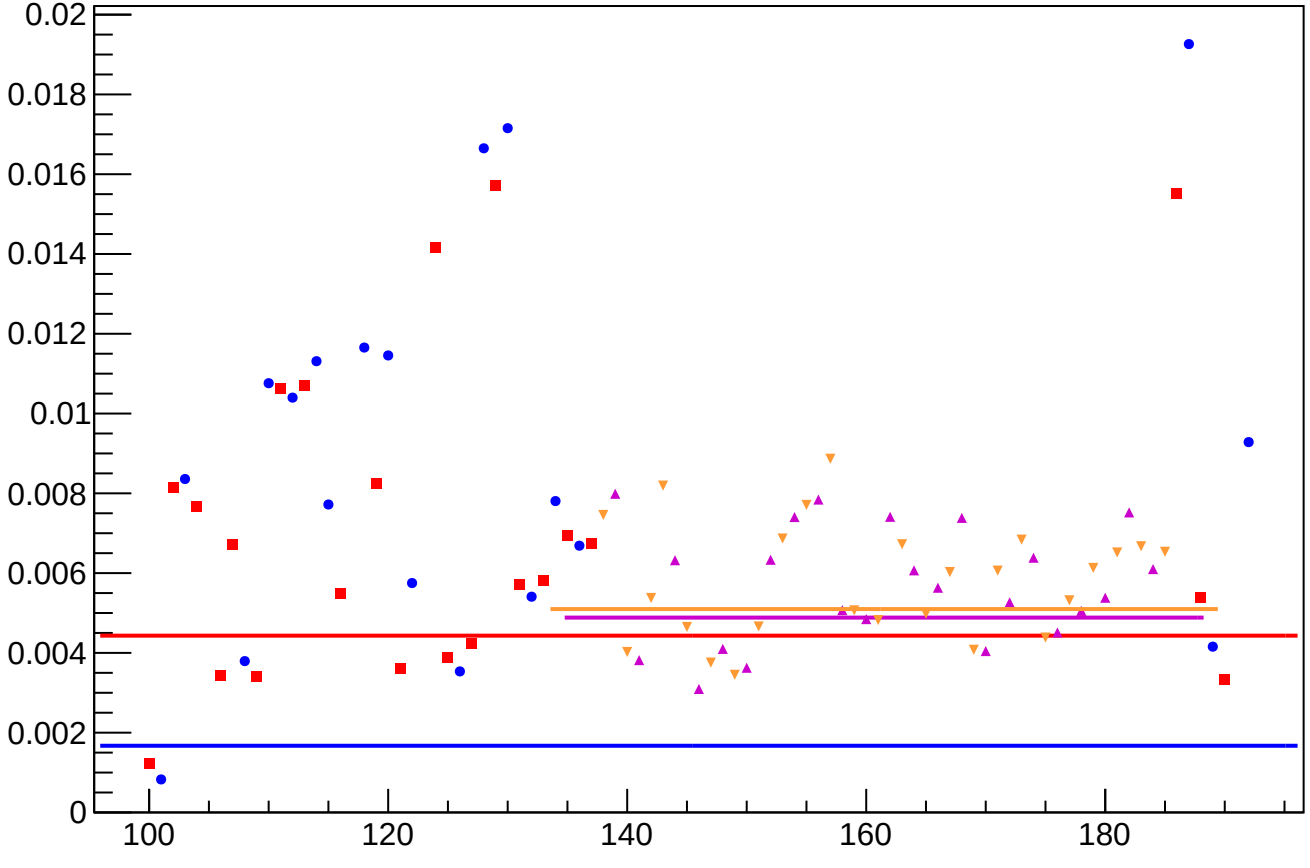
Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/21

Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.6/43

All: -0.000+/-0.000 χ^2/NDF: 96.2/88

- sign -0.000+/-0.000 χ^2/NDF: 41.5/44



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

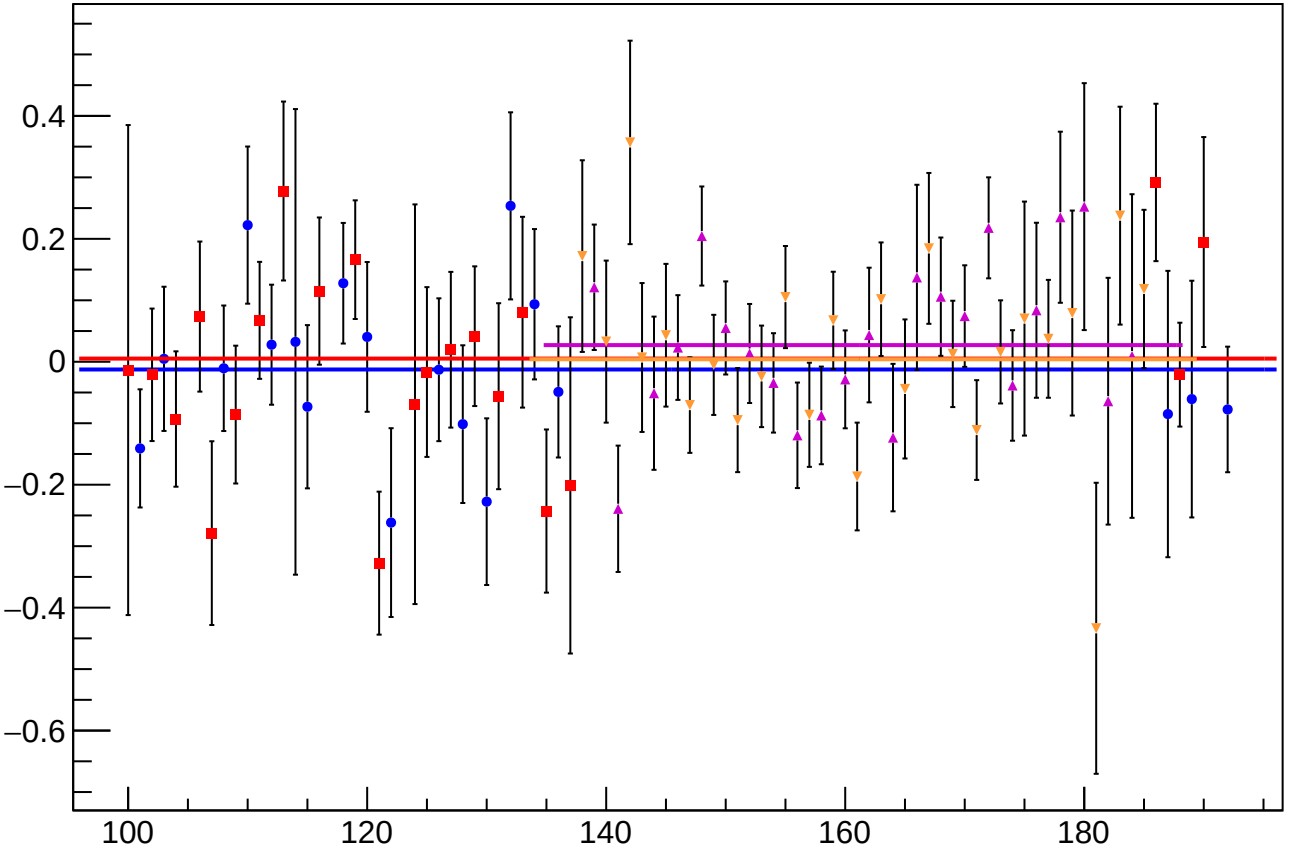
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 23243676.4/43

All: 0.004+/-0.000 χ^2/NDF: 33967765.6/88

- sign 0.005+/-0.000 χ^2/NDF: 6724105.0/44

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



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

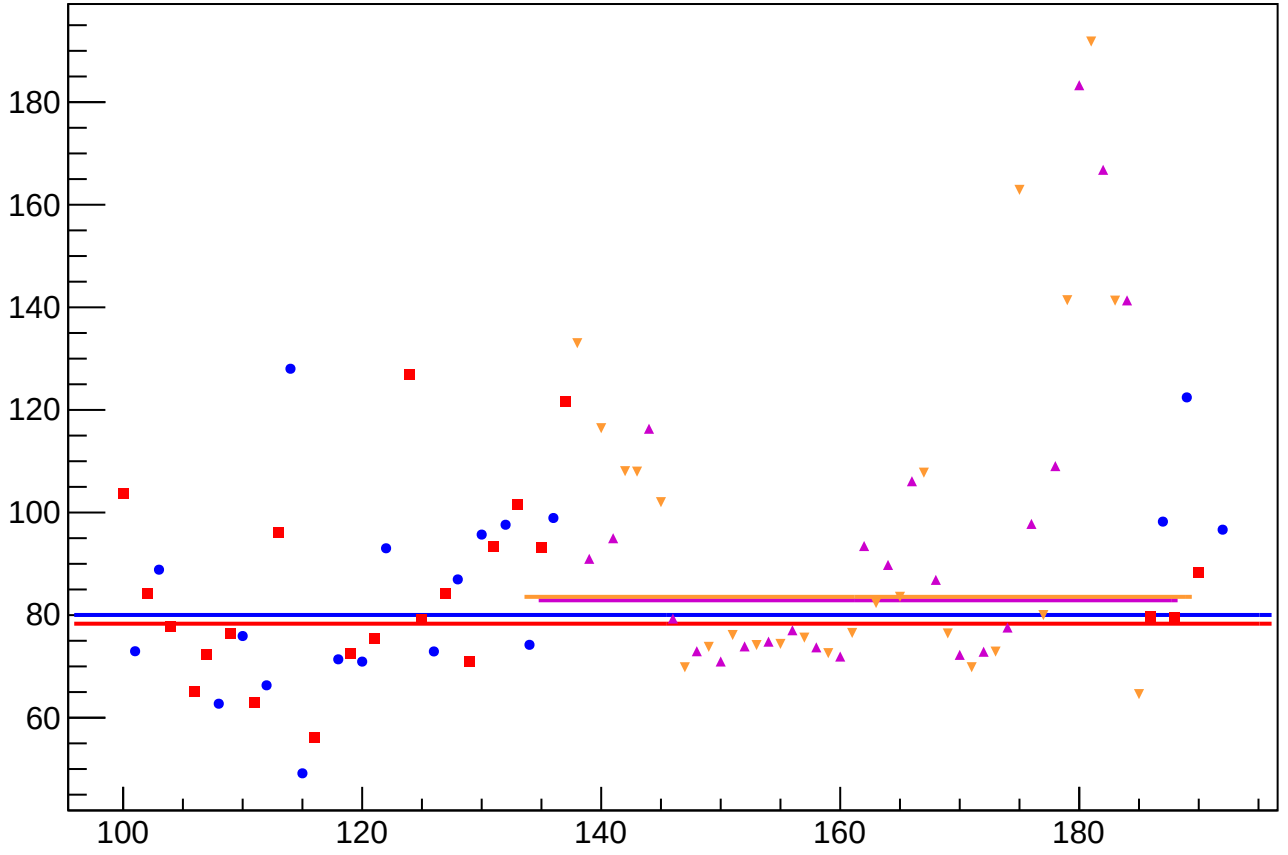
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.002+/-0.016 χ^2/NDF: 46.3/43

All: 0.009+/-0.012 χ^2/NDF: 111.7/88

- sign 0.019+/-0.016 χ^2/NDF: 64.5/44

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 80.032+/-0.020 χ^2/NDF: 598530.6/18

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

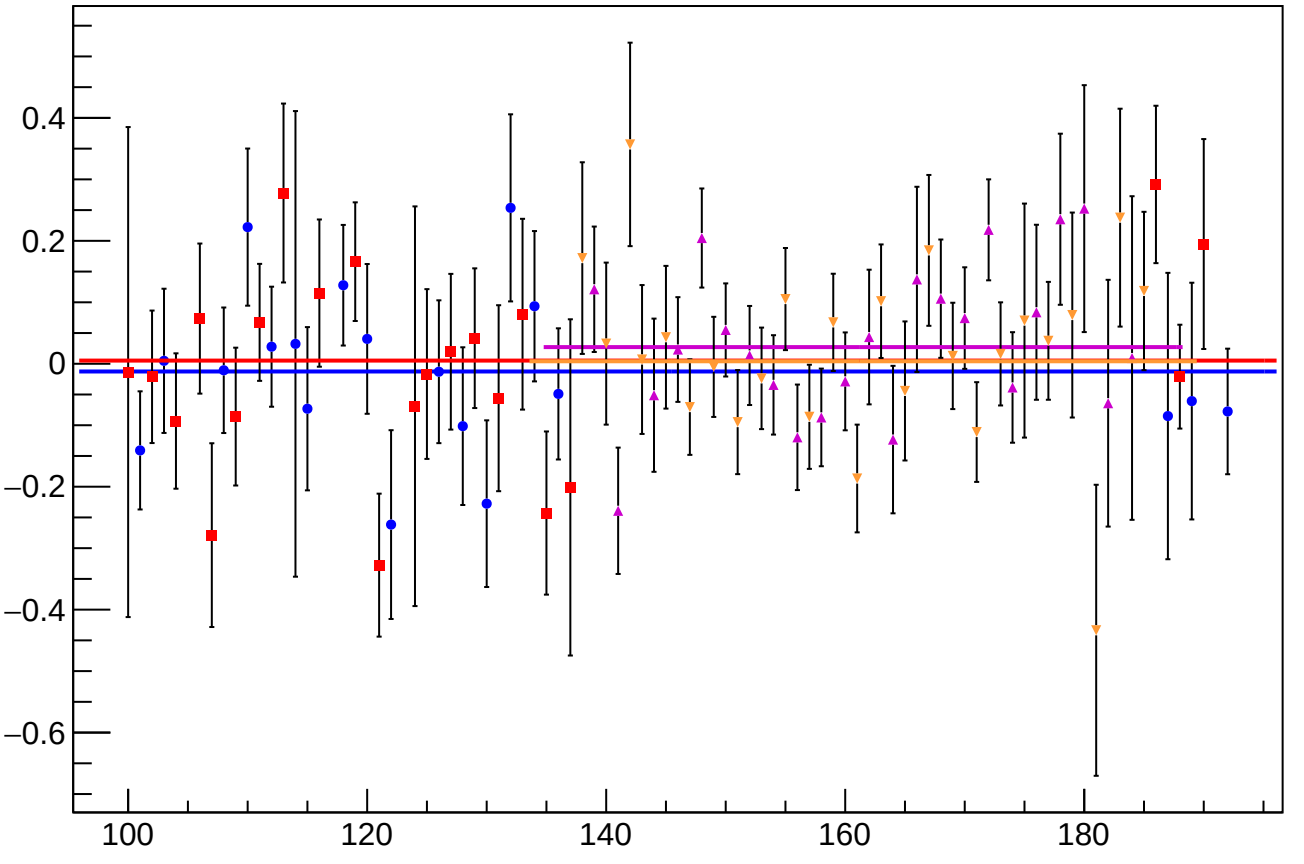
Right Out: 78.328+/-0.019 χ^2/NDF: 404572.4/21

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 82.364+/-0.012 χ^2/NDF: 2792033.8/43

All: 81.788+/-0.008 χ^2/NDF: 4810533.2/88

- sign 81.221+/-0.012 χ^2/NDF: 2013654.6/44



Right In: -0.013+/-0.028 χ^2/NDF: 17.9/18

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

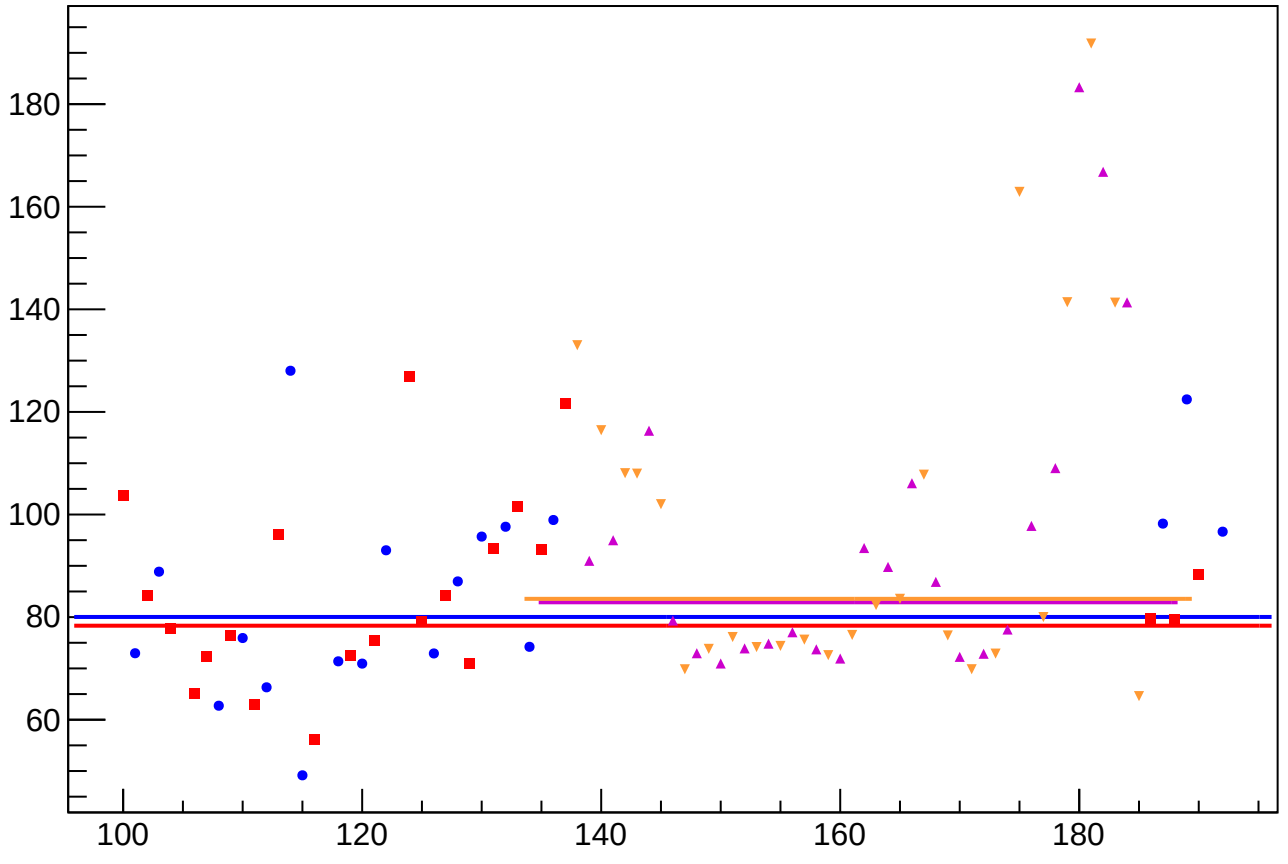
Right Out: 0.005+/-0.027 χ^2/NDF: 32.2/21

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.002+/-0.016 χ^2/NDF: 46.3/43

All: 0.009+/-0.012 χ^2/NDF: 111.7/88

- sign 0.019+/-0.016 χ^2/NDF: 64.5/44



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

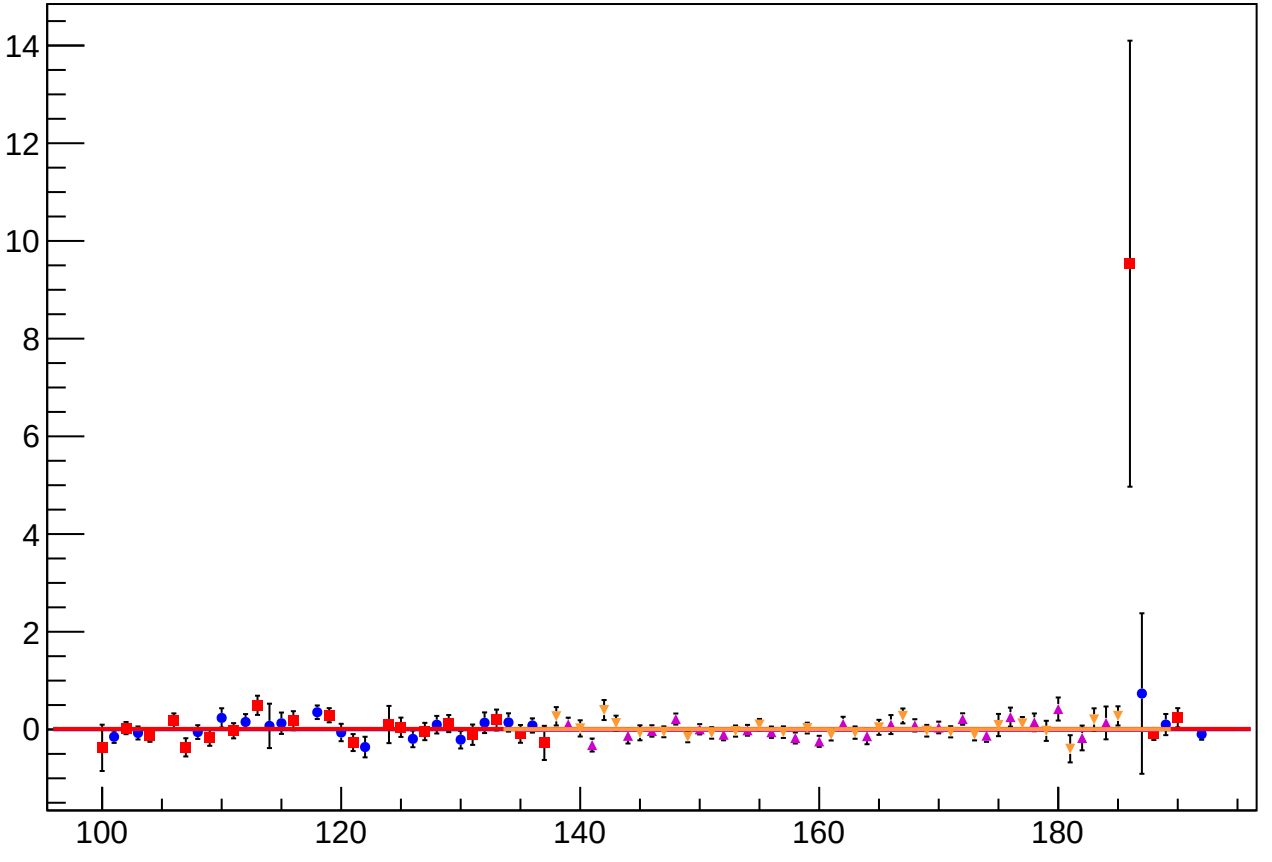
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 82.364+/-0.012 χ^2/NDF: 2792033.8/43

All: 81.788+/-0.008 χ^2/NDF: 4810533.2/88

- sign 81.221+/-0.012 χ^2/NDF: 2013654.6/44

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



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

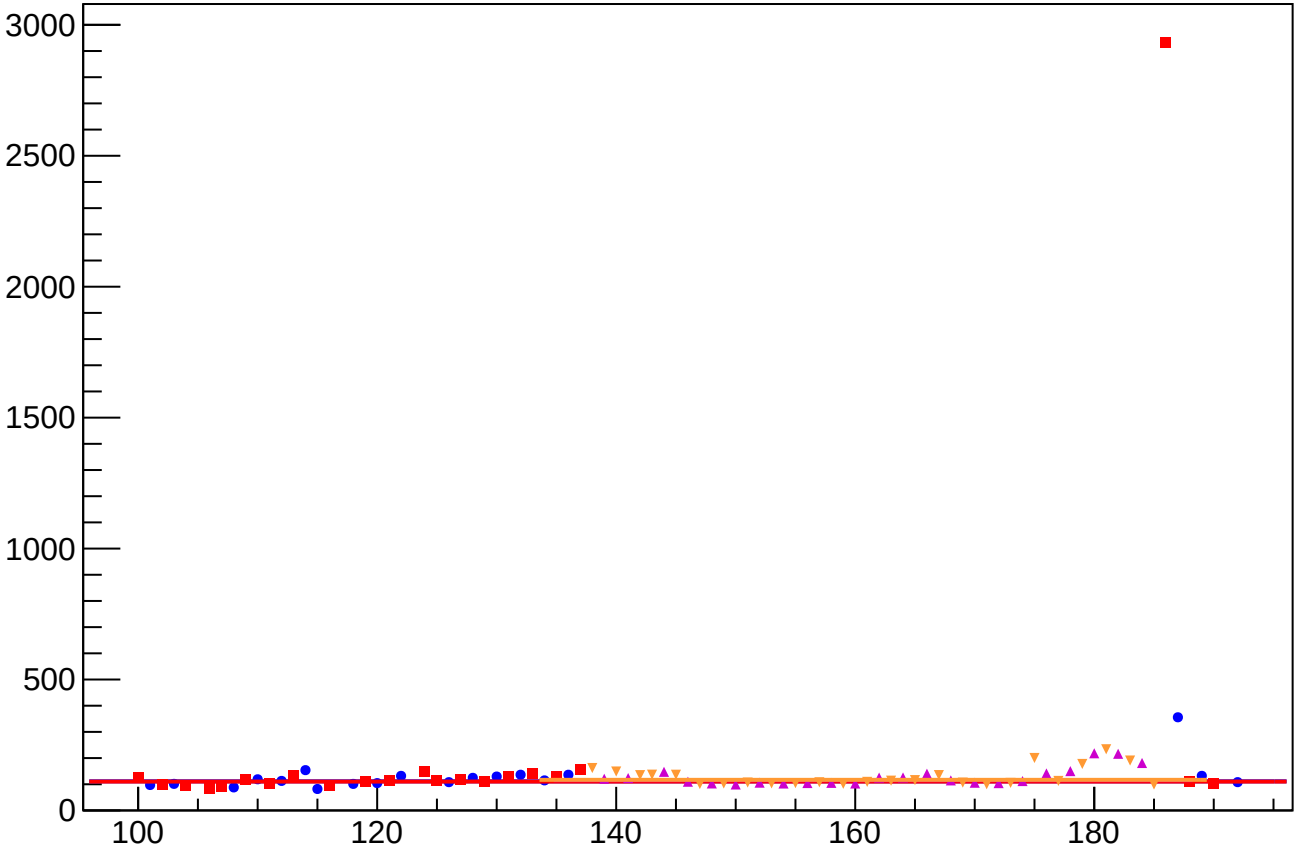
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.005+/-0.023 χ^2/NDF: 40.7/43

All: 0.001+/-0.016 χ^2/NDF: 102.5/88

- sign -0.003+/-0.023 χ^2/NDF: 61.7/44

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 111.232+/-0.028 χ^2/NDF: 364732.2/18

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

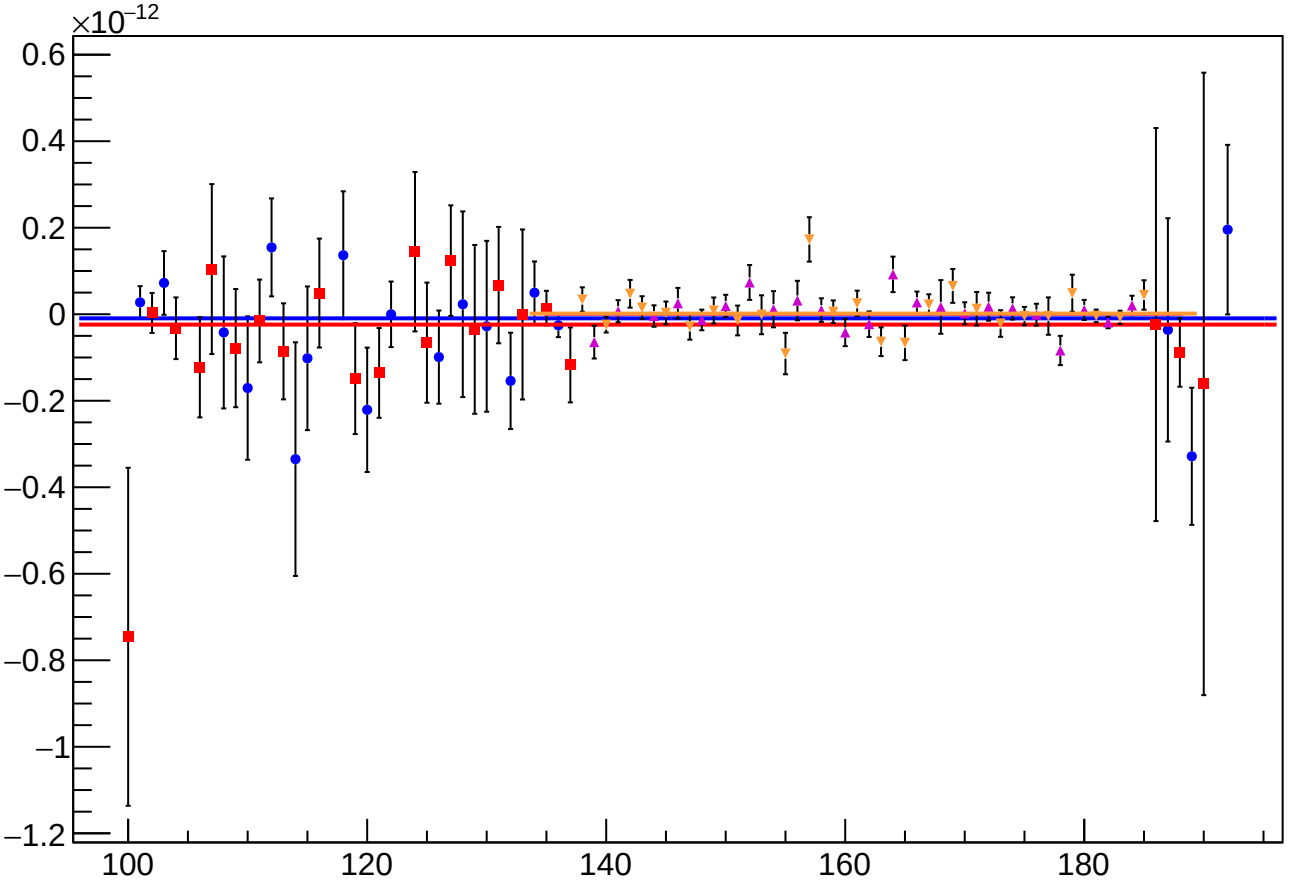
Right Out: 110.315+/-0.027 χ^2/NDF: 1094362.9/21

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 114.977+/-0.016 χ^2/NDF: 1989560.2/43

All: 114.450+/-0.011 χ^2/NDF: 4344573.7/88

- sign 113.919+/-0.016 χ^2/NDF: 2352834.9/44



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

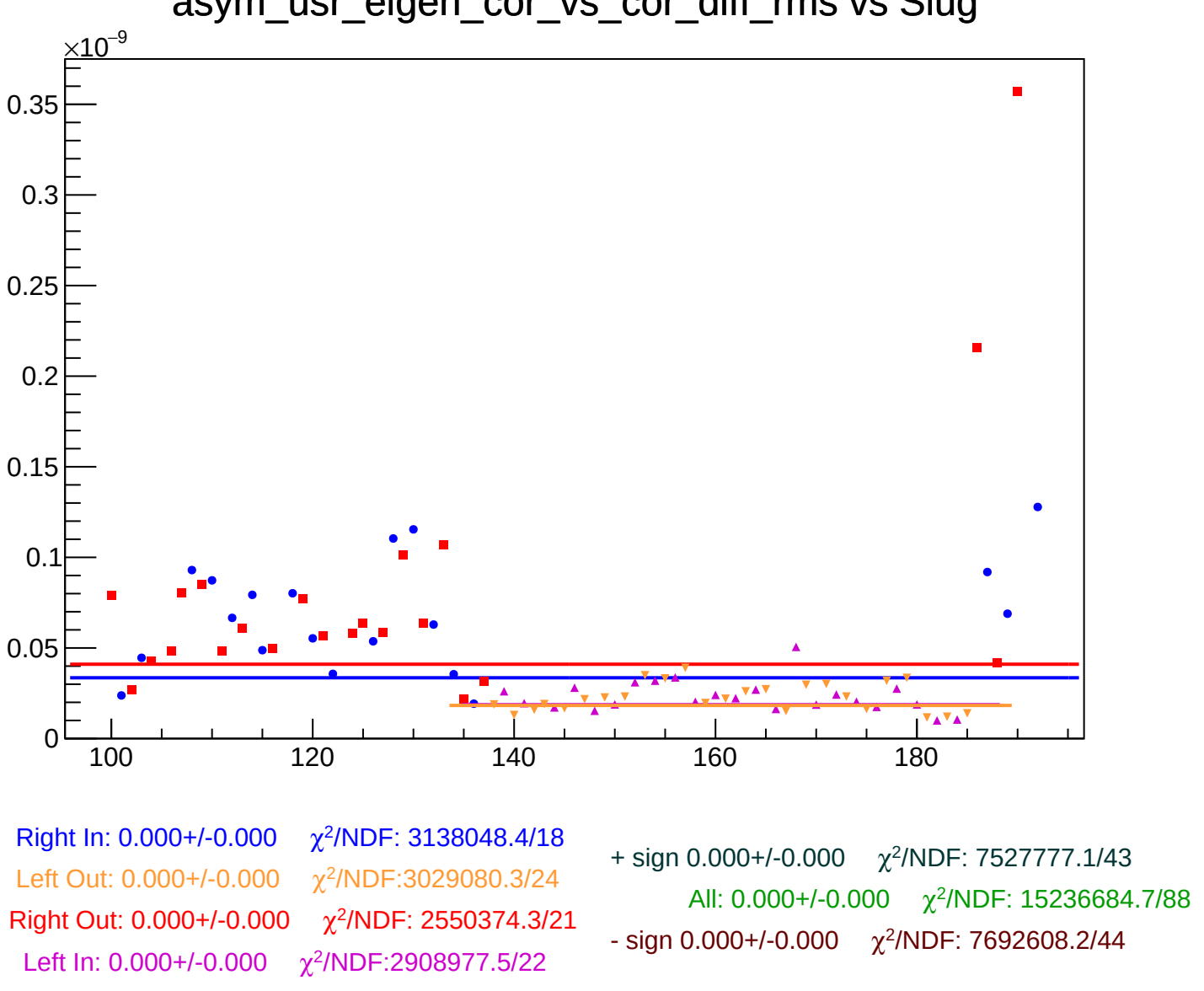
Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/21

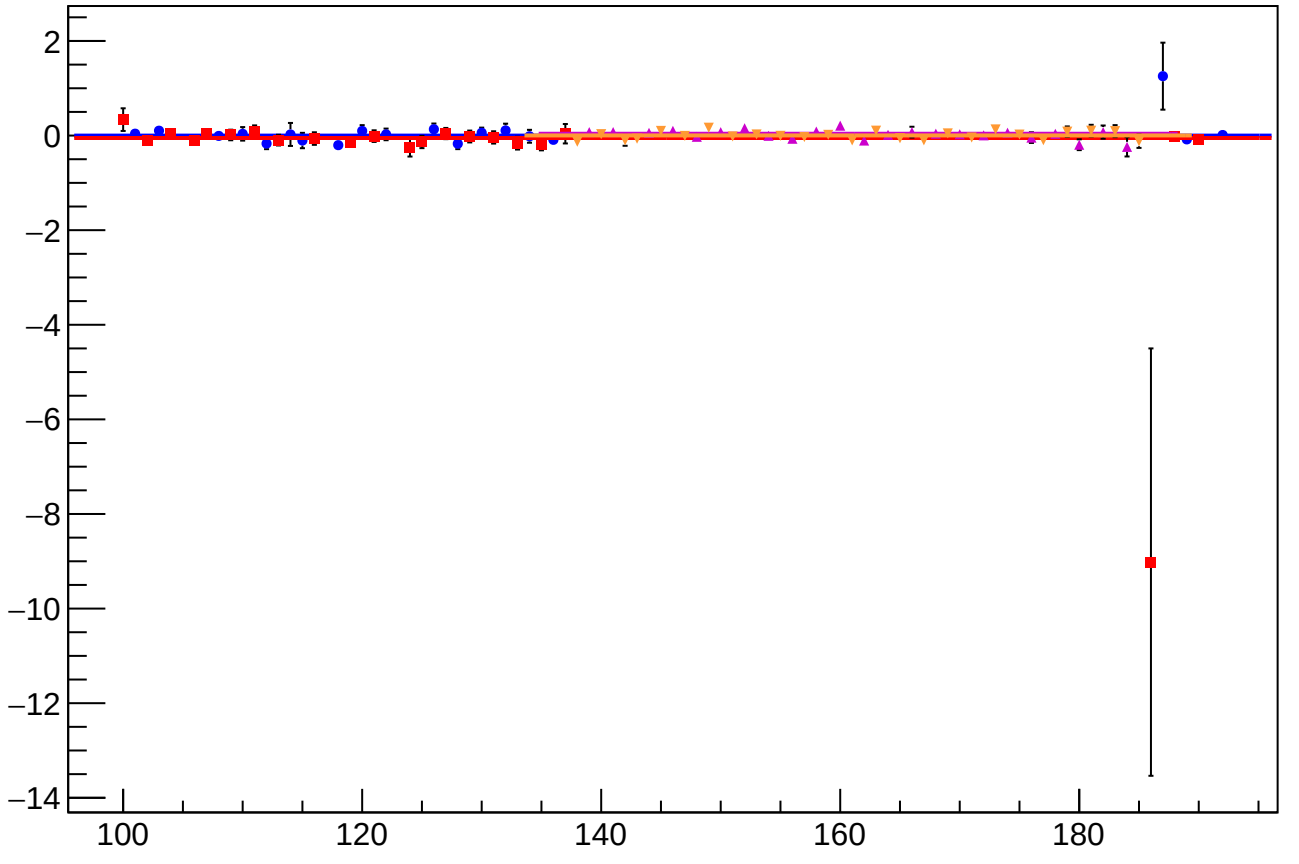
Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.8/43

All: -0.000+/-0.000 χ^2/NDF: 97.2/88

- sign -0.000+/-0.000 χ^2/NDF: 41.4/44


asym_usr_eigen_cor_vs_cor_diff_rms vs Slug
×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: 3138048.4/18
Left Out: 0.000+/-0.000 χ²/NDF:3029080.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 2550374.3/21
Left In: 0.000+/-0.000 χ²/NDF:2908977.5/22
+ sign 0.000+/-0.000 χ²/NDF: 7527777.1/43
All: 0.000+/-0.000 χ²/NDF: 15236684.7/88
- sign 0.000+/-0.000 χ²/NDF: 7692608.2/44



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

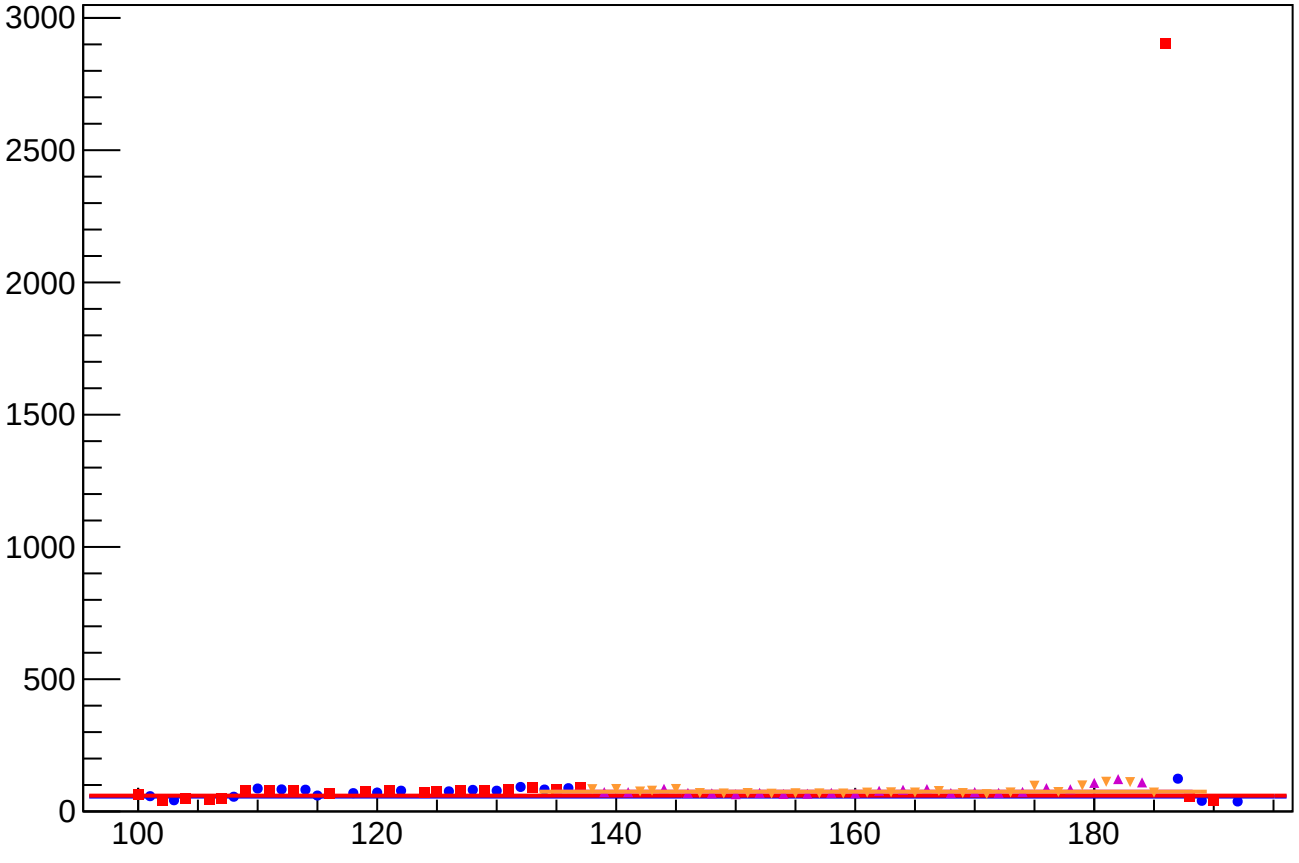
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

\+ sign 0.001+/-0.013 χ^2/NDF: 43.0/43

All: 0.002+/-0.010 χ^2/NDF: 94.2/88

\- sign 0.002+/-0.014 χ^2/NDF: 51.2/44

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



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

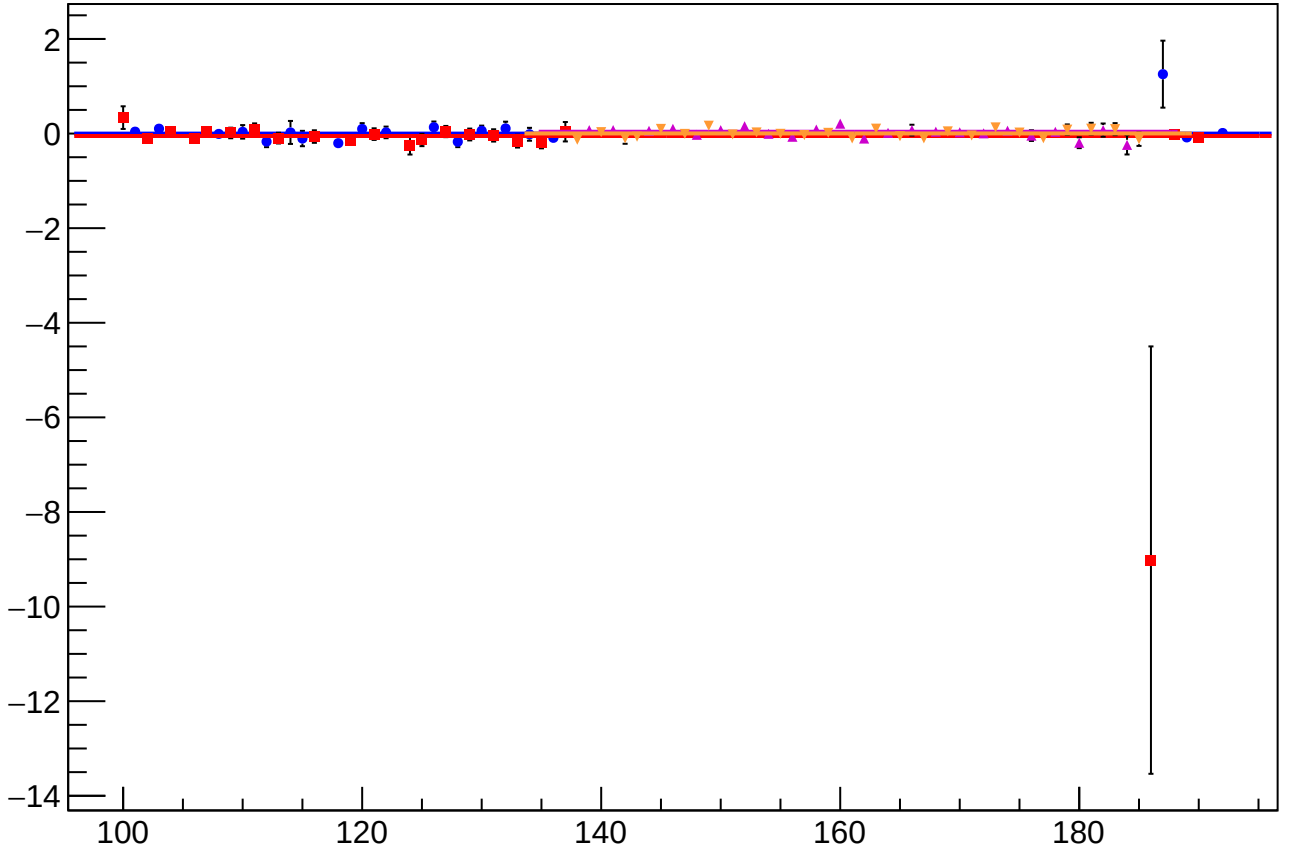
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 66.974+/-0.009 χ^2/NDF: 3423327.6/43

All: 67.740+/-0.007 χ^2/NDF: 6798699.1/88

- sign 68.564+/-0.010 χ^2/NDF: 3361556.2/44

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug



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

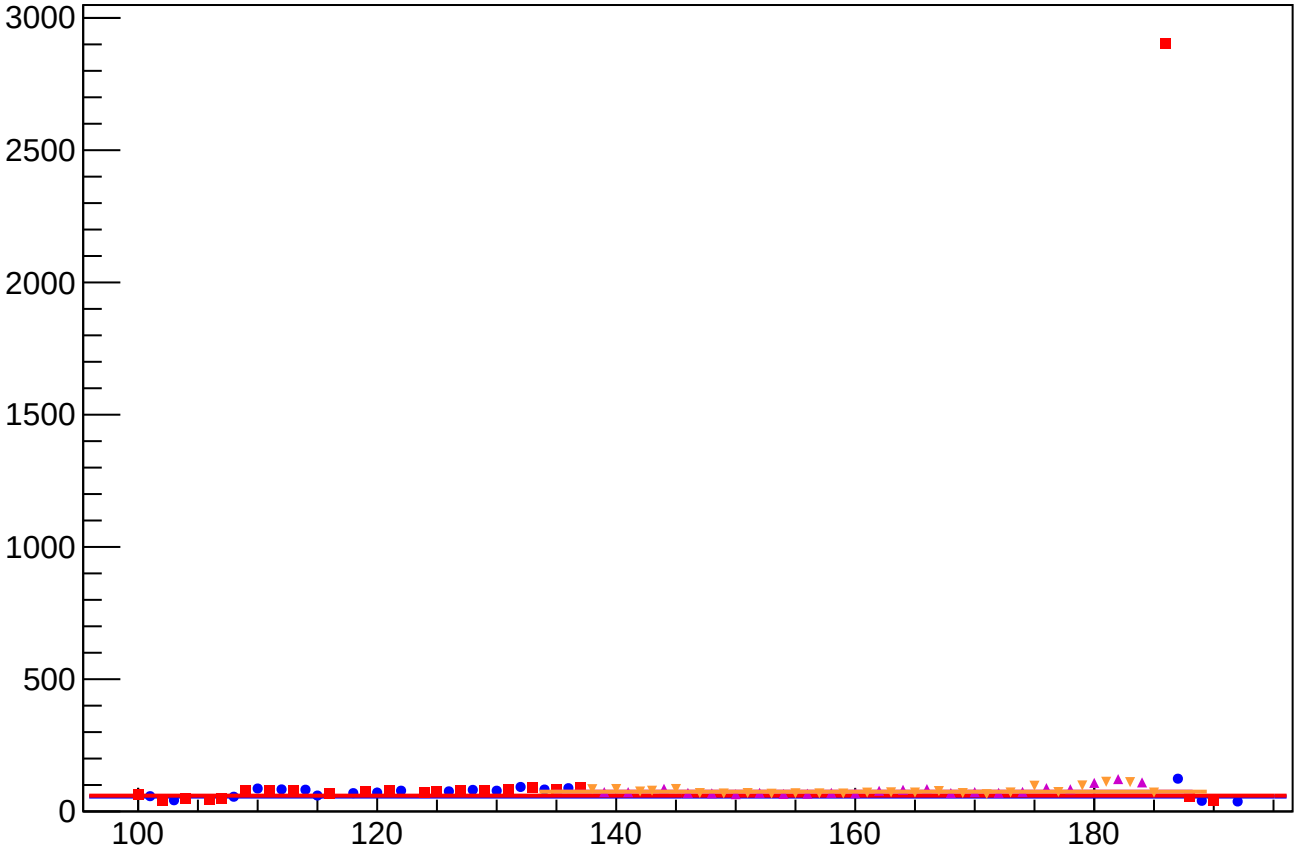
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign 0.001+/-0.013 χ^2/NDF: 43.0/43

All: 0.002+/-0.010 χ^2/NDF: 94.2/88

- sign 0.002+/-0.014 χ^2/NDF: 51.2/44

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



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

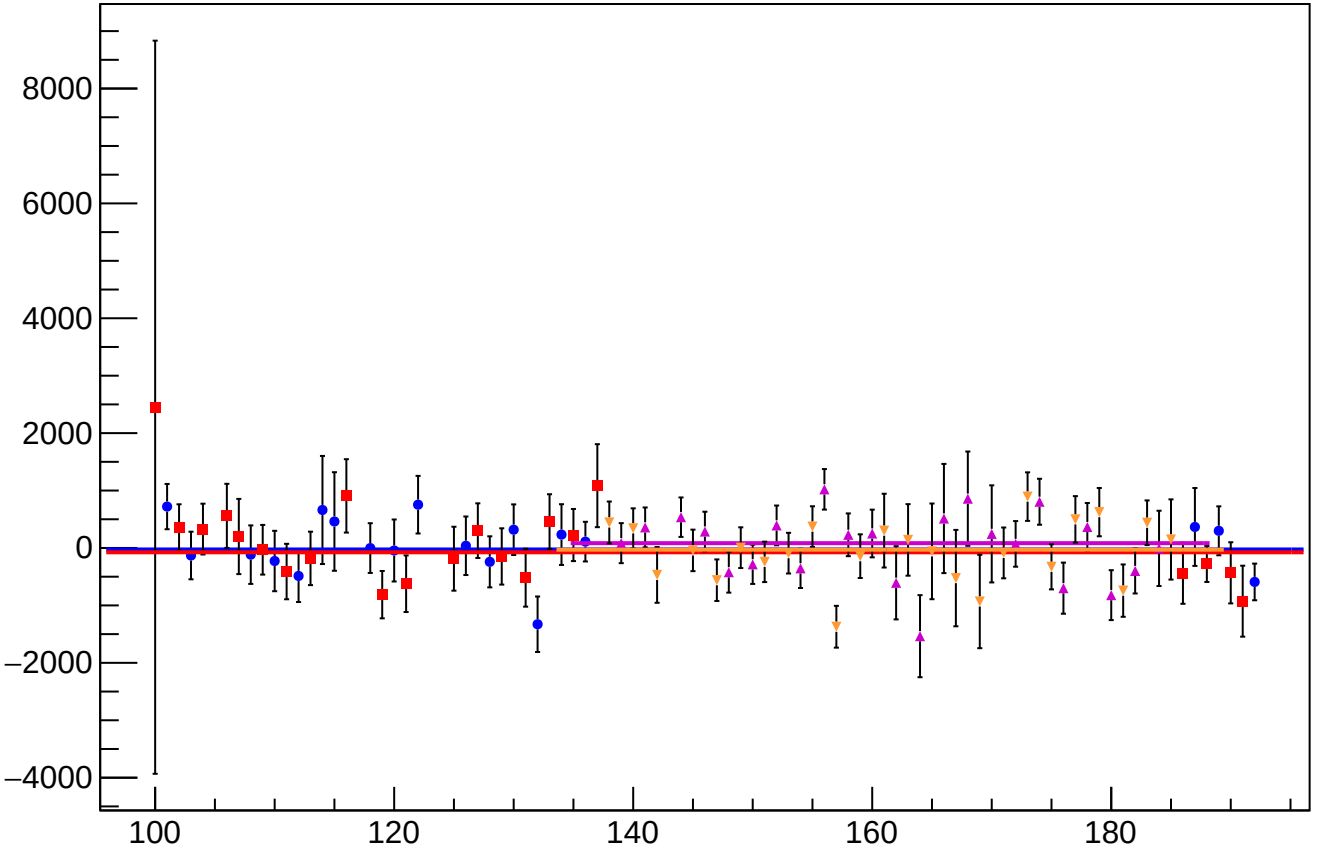
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 66.974+/-0.009 χ^2/NDF: 3423327.6/43

All: 67.740+/-0.007 χ^2/NDF: 6798699.1/88

- sign 68.564+/-0.010 χ^2/NDF: 3361556.2/44

asym_dsl_mean vs Slug



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

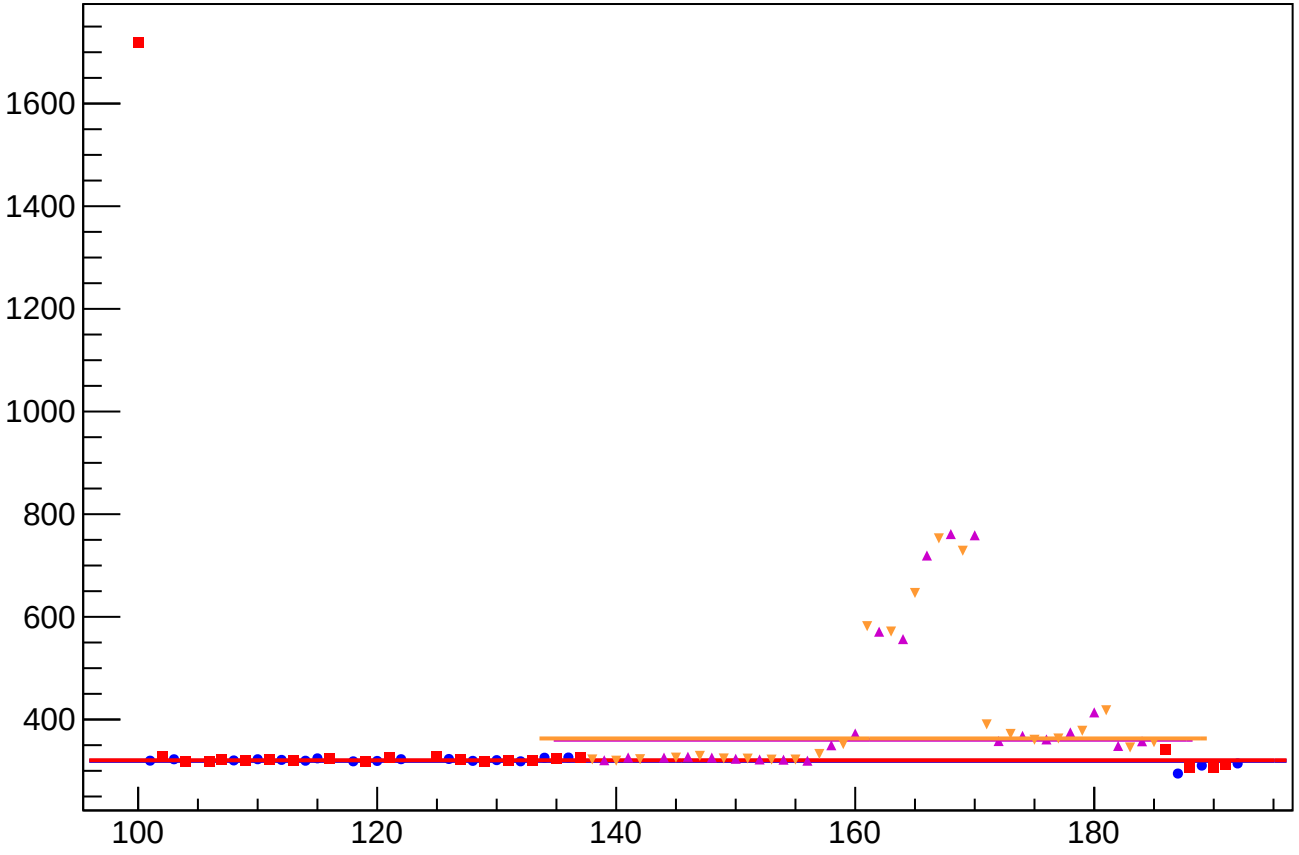
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -28.015+/-67.241 χ^2/NDF: 57.3/42

All: -4.043+/-47.396 χ^2/NDF: 114.6/87

- sign 19.629+/-66.818 χ^2/NDF: 57.1/44

asym_dsl_rms vs Slug



Right In: 319.411+/-0.076 χ^2/NDF: 5578.6/18

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

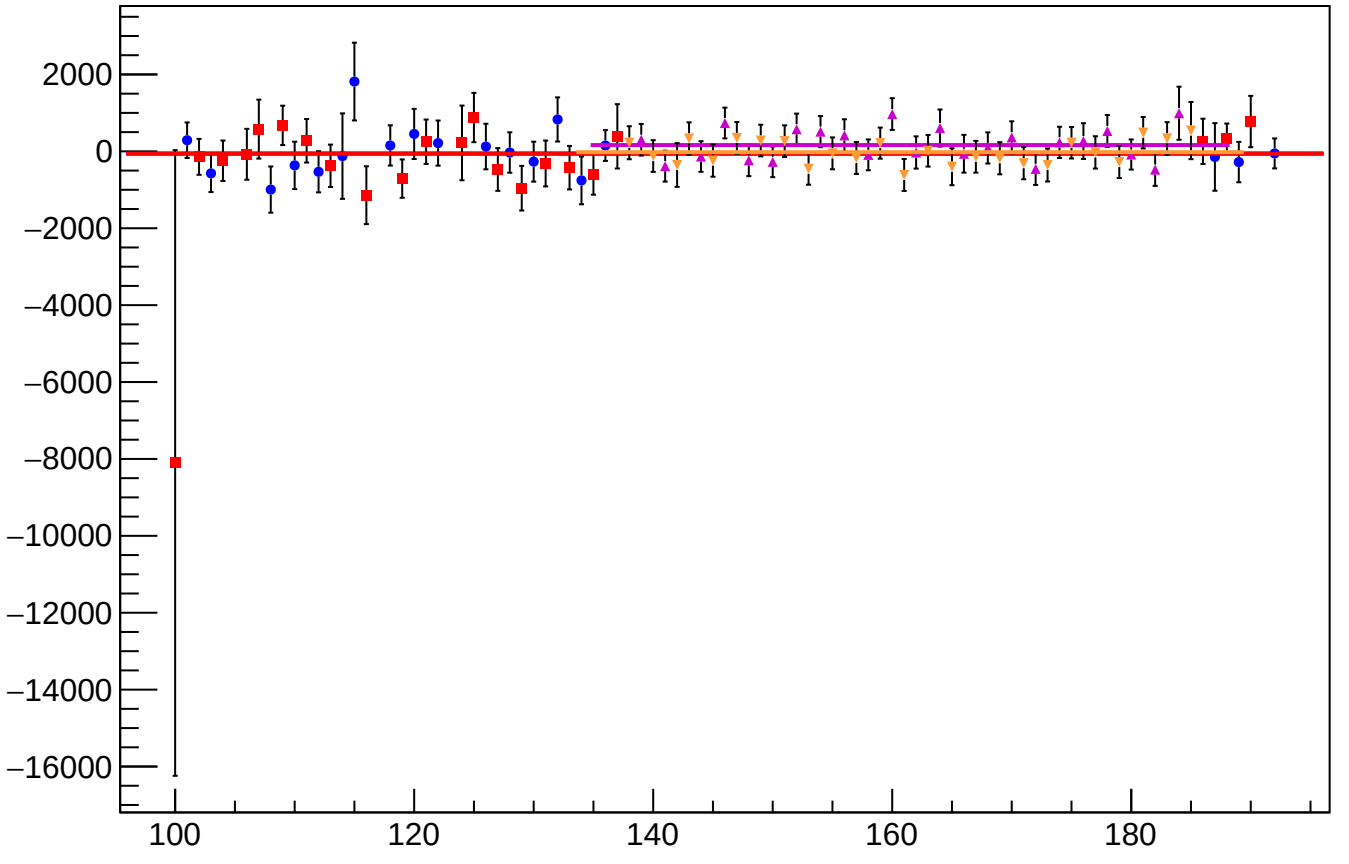
Right Out: 320.572+/-0.074 χ^2/NDF: 106025.0/21

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 345.780+/-0.048 χ^2/NDF: 2002928.0/42

All: 345.117+/-0.034 χ^2/NDF: 4099585.4/87

- sign 344.461+/-0.047 χ^2/NDF: 2096270.0/44



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

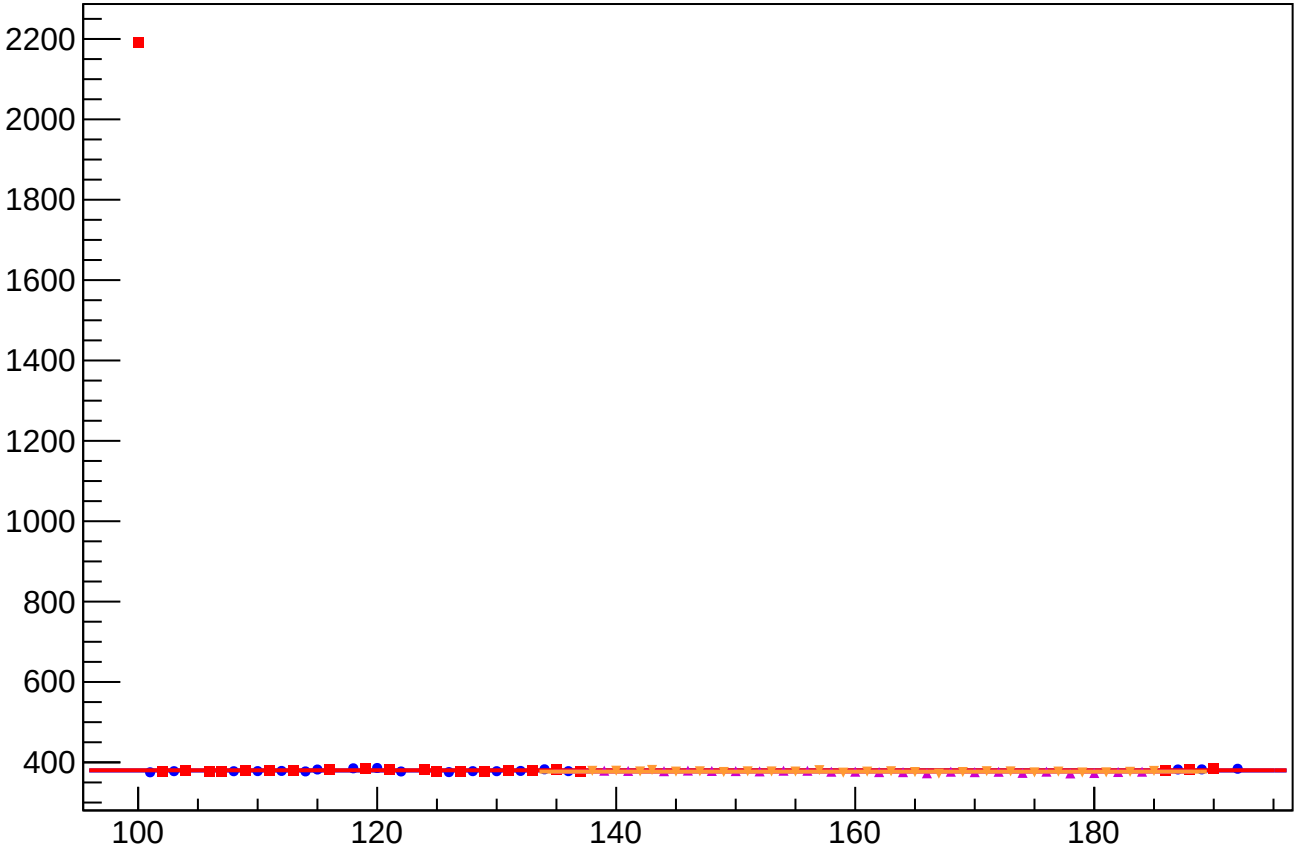
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -32.213+/-70.992 χ^2/NDF: 26.6/43

All: 27.645+/-50.569 χ^2/NDF: 70.5/88

- sign 89.302+/-72.051 χ^2/NDF: 42.4/44

asym_dsr_rms vs Slug



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

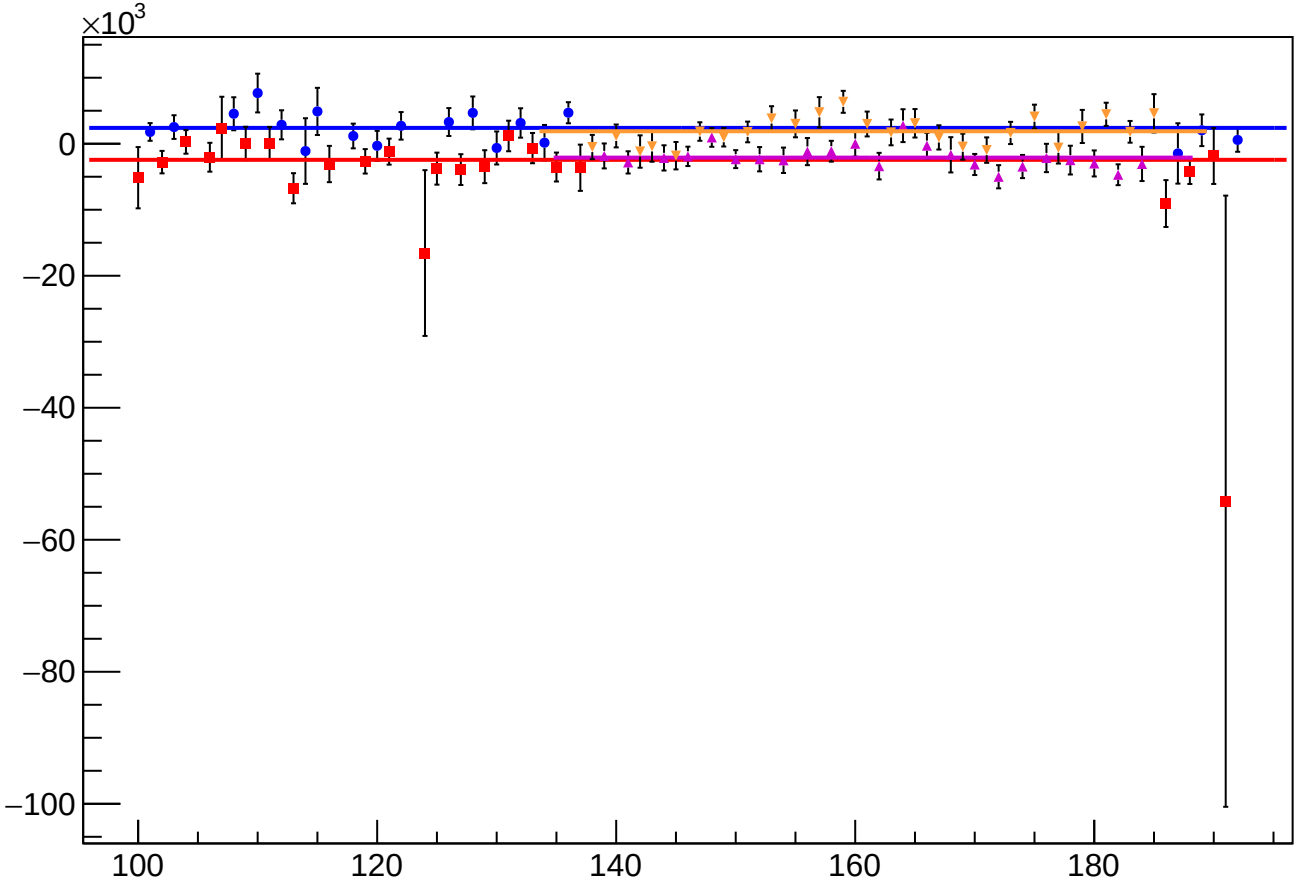
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 377.791+/-0.050 χ^2/NDF: 2979.1/43

All: 377.889+/-0.036 χ^2/NDF: 104885.3/88

- sign 377.990+/-0.051 χ^2/NDF: 101898.5/44

asym_us_agg_avg_mean vs Slug



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

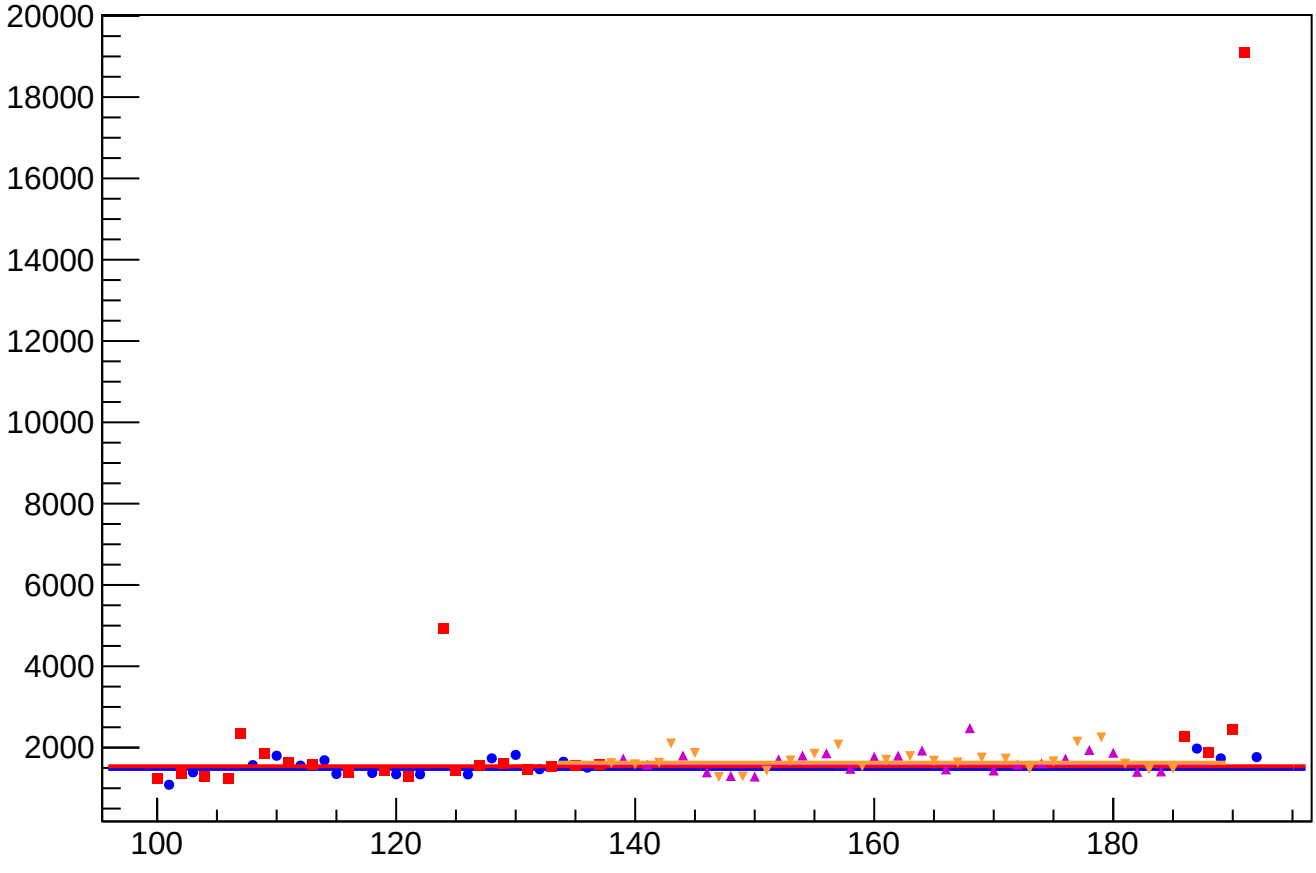
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2074.037+/-300.325 χ^2/NDF: 43.2/43

All: -36.709+/-214.202 χ^2/NDF: 183.5/89

- sign -2222.237+/-305.599 χ^2/NDF: 39.8/45

asym_us_agg_avg_rms vs Slug



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

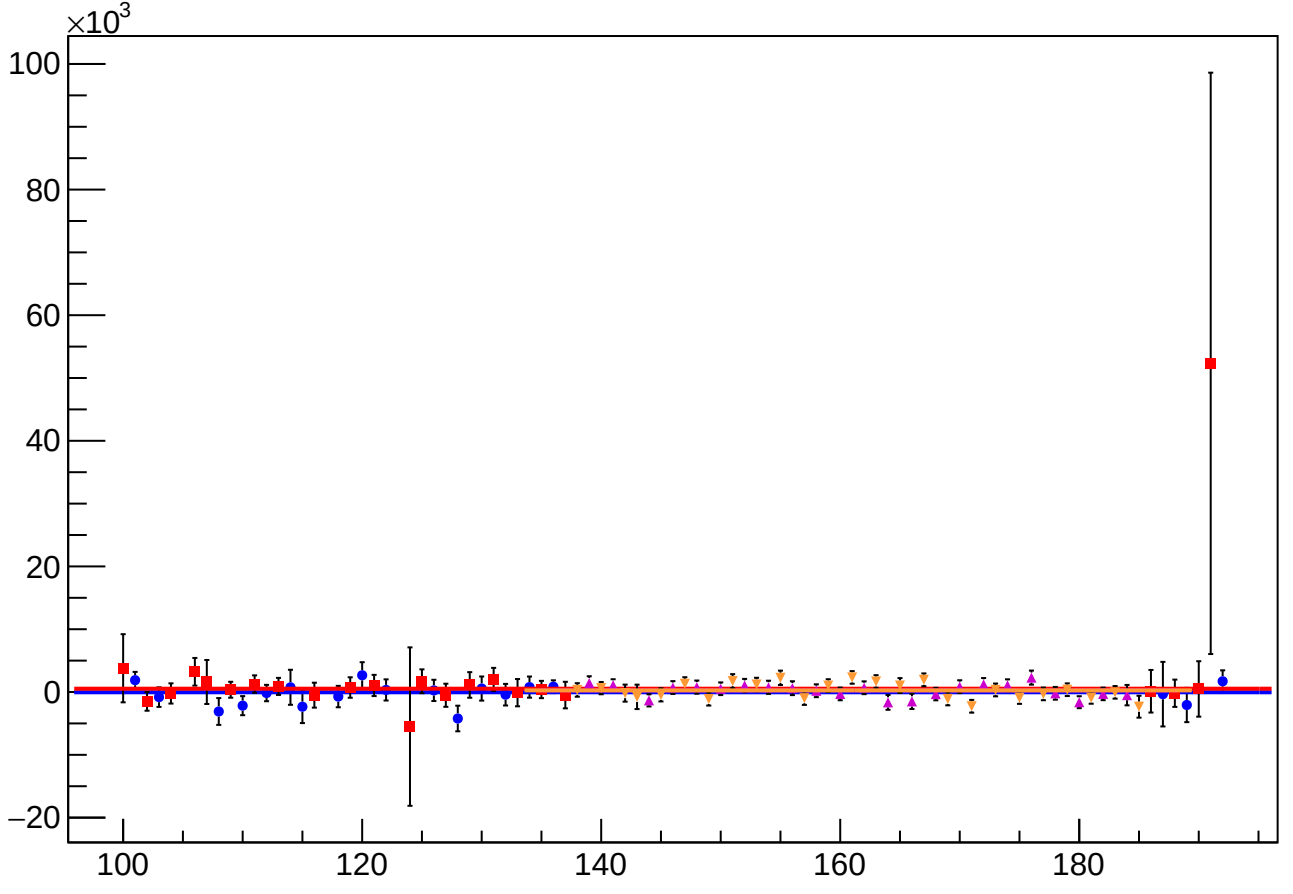
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1573.548+/-0.212 χ^2/NDF: 1305914.7/43

All: 1576.643+/-0.151 χ^2/NDF: 3042738.3/89

- sign 1579.847+/-0.216 χ^2/NDF: 1736391.2/45

asym_us_agg_dd_mean vs Slug



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

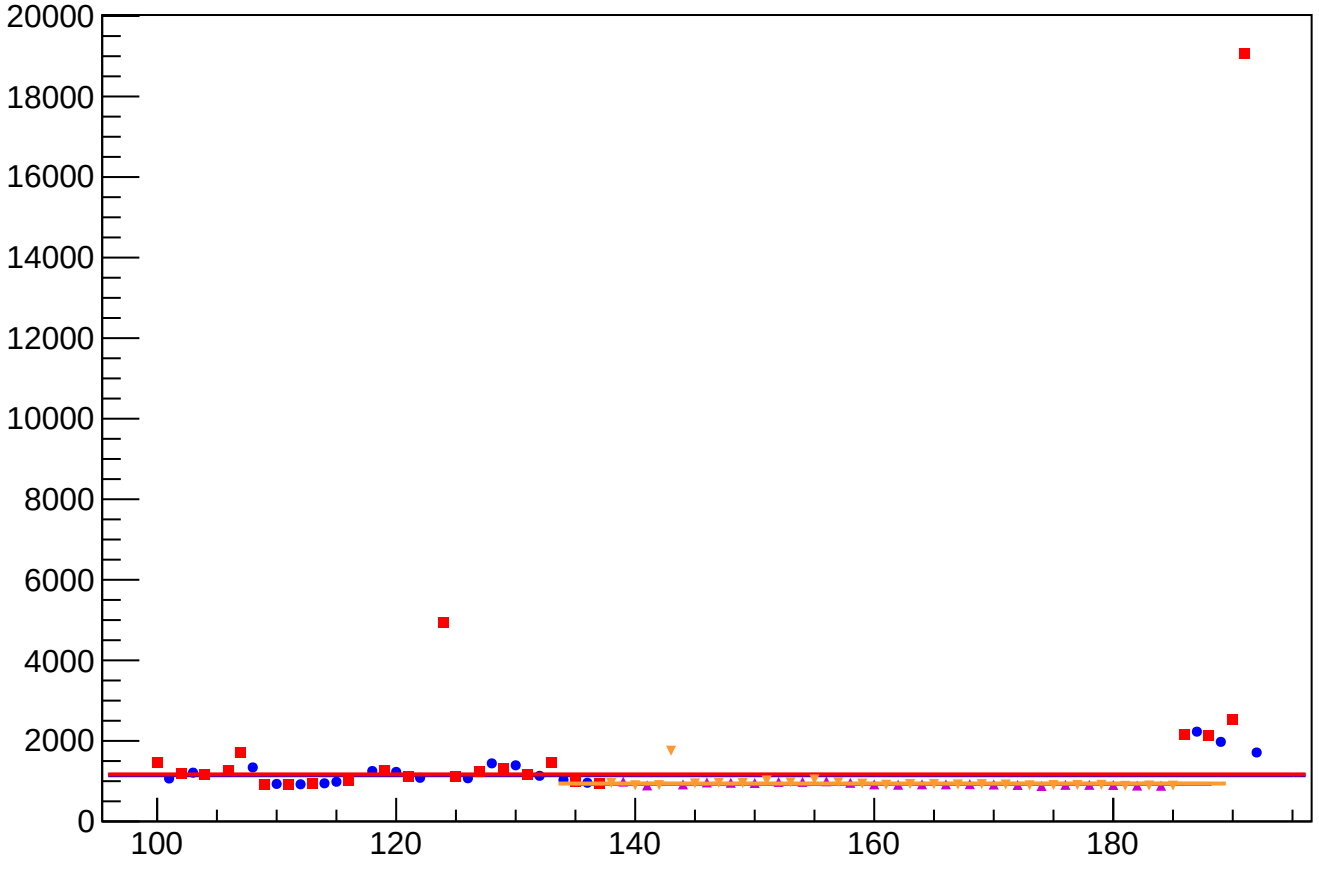
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 192.593+/-188.669 χ^2/NDF: 50.5/43

All: 258.868+/-134.283 χ^2/NDF: 80.6/89

- sign 326.908+/-191.166 χ^2/NDF: 29.8/45

asym_us_agg_dd_rms vs Slug



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

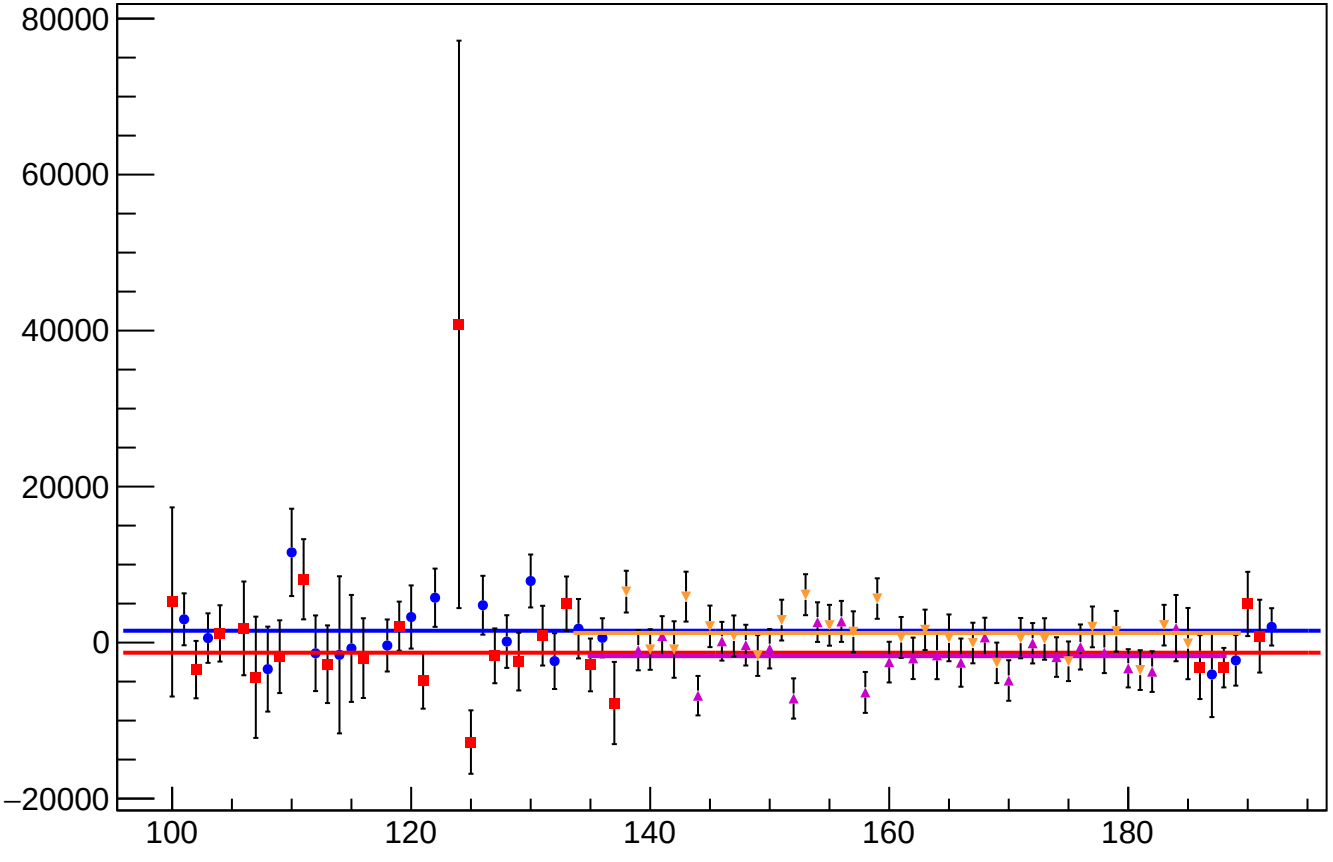
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 988.530+/-0.133 χ^2/NDF: 1641855.0/43

All: 987.145+/-0.095 χ^2/NDF: 3845584.2/89

- sign 985.723+/-0.135 χ^2/NDF: 2203510.7/45

reg_asym_atl1_mean vs Slug



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

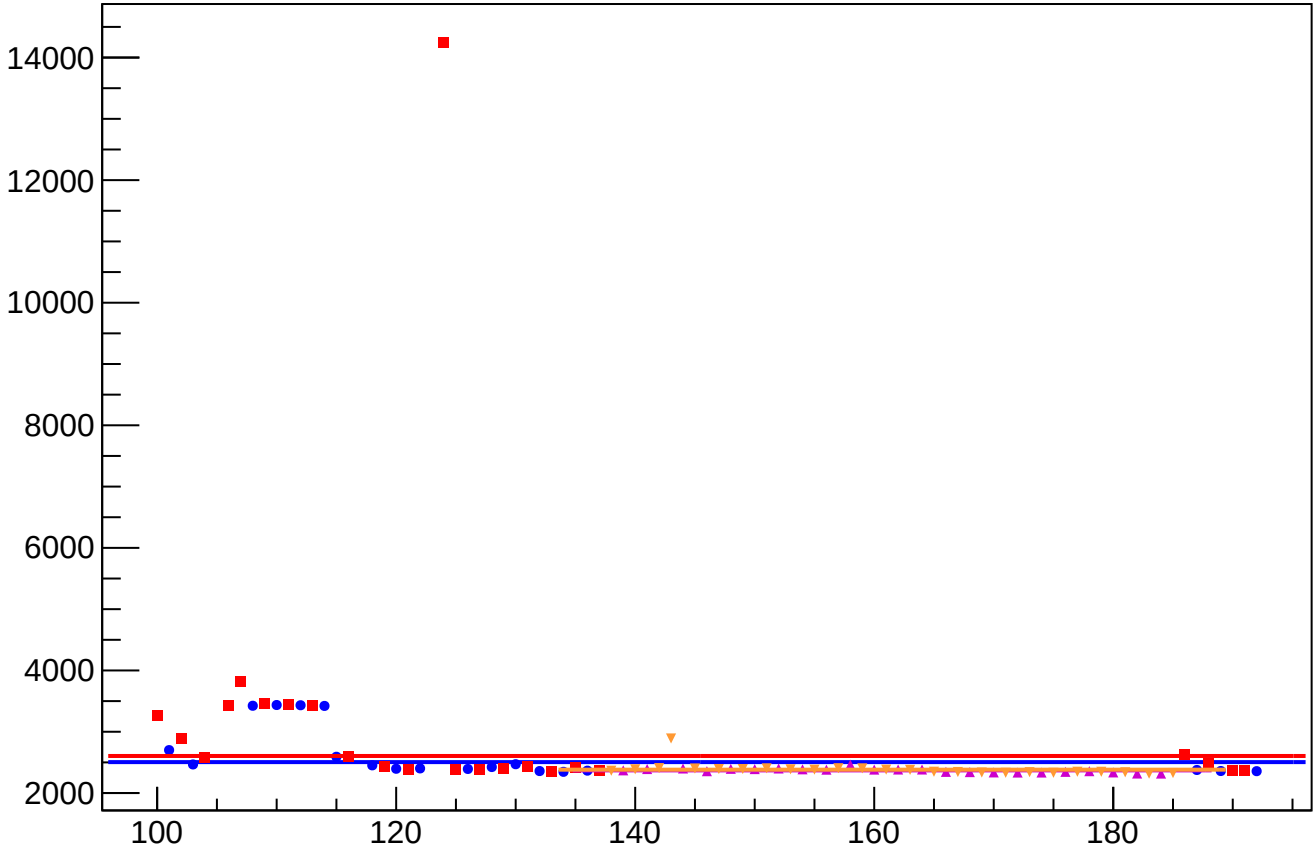
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1317.794+/-455.544 χ^2/NDF: 38.9/43

All: -115.882+/-325.532 χ^2/NDF: 108.7/89

- sign -1611.988+/-465.357 χ^2/NDF: 49.7/45

reg_asym_atl1_rms vs Slug



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

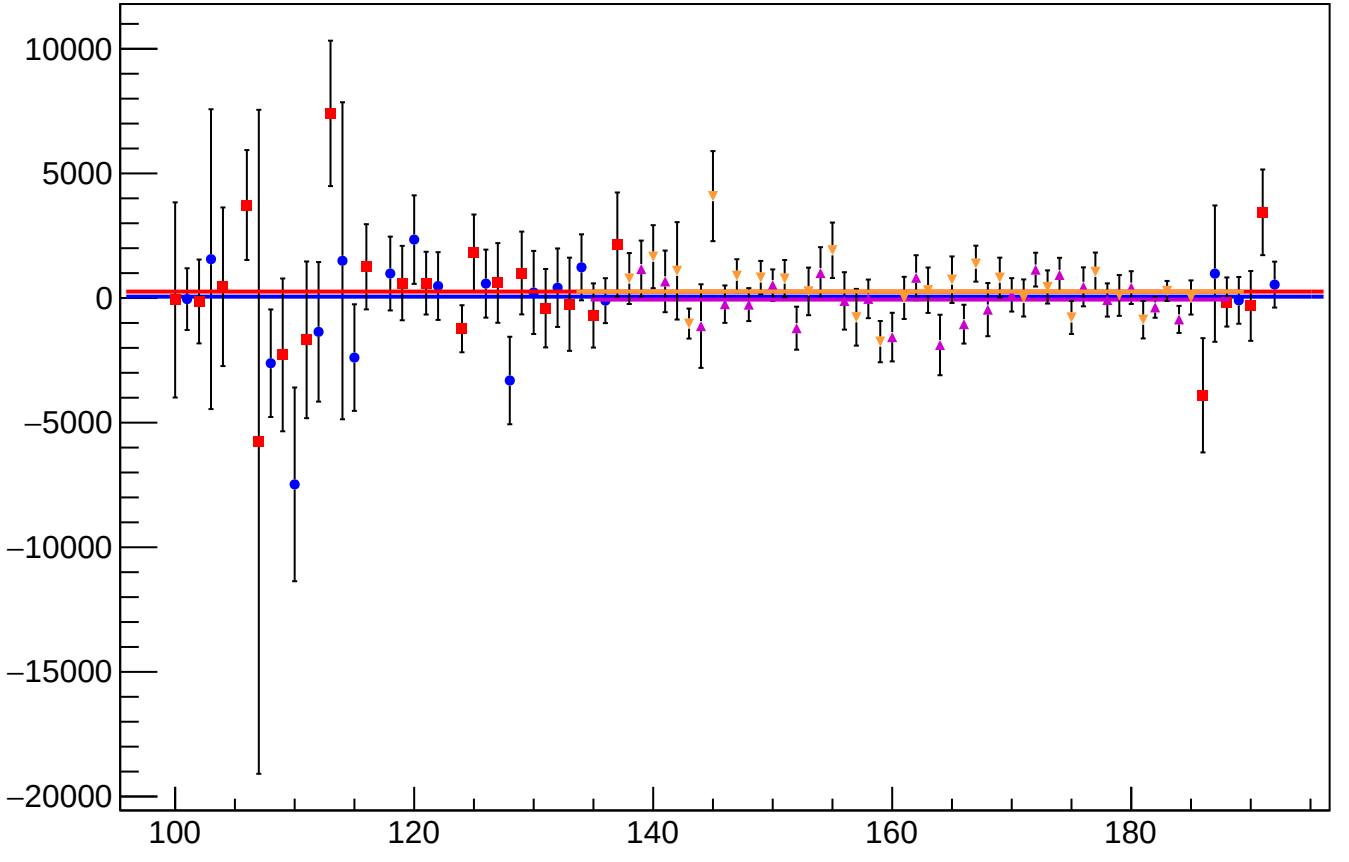
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2417.215+/-0.322 χ^2/NDF: 329753.4/43

All: 2427.494+/-0.230 χ^2/NDF: 1001663.9/89

- sign 2438.220+/-0.329 χ^2/NDF: 669829.6/45

asym_atl1_reg_correction_mean vs Slug



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

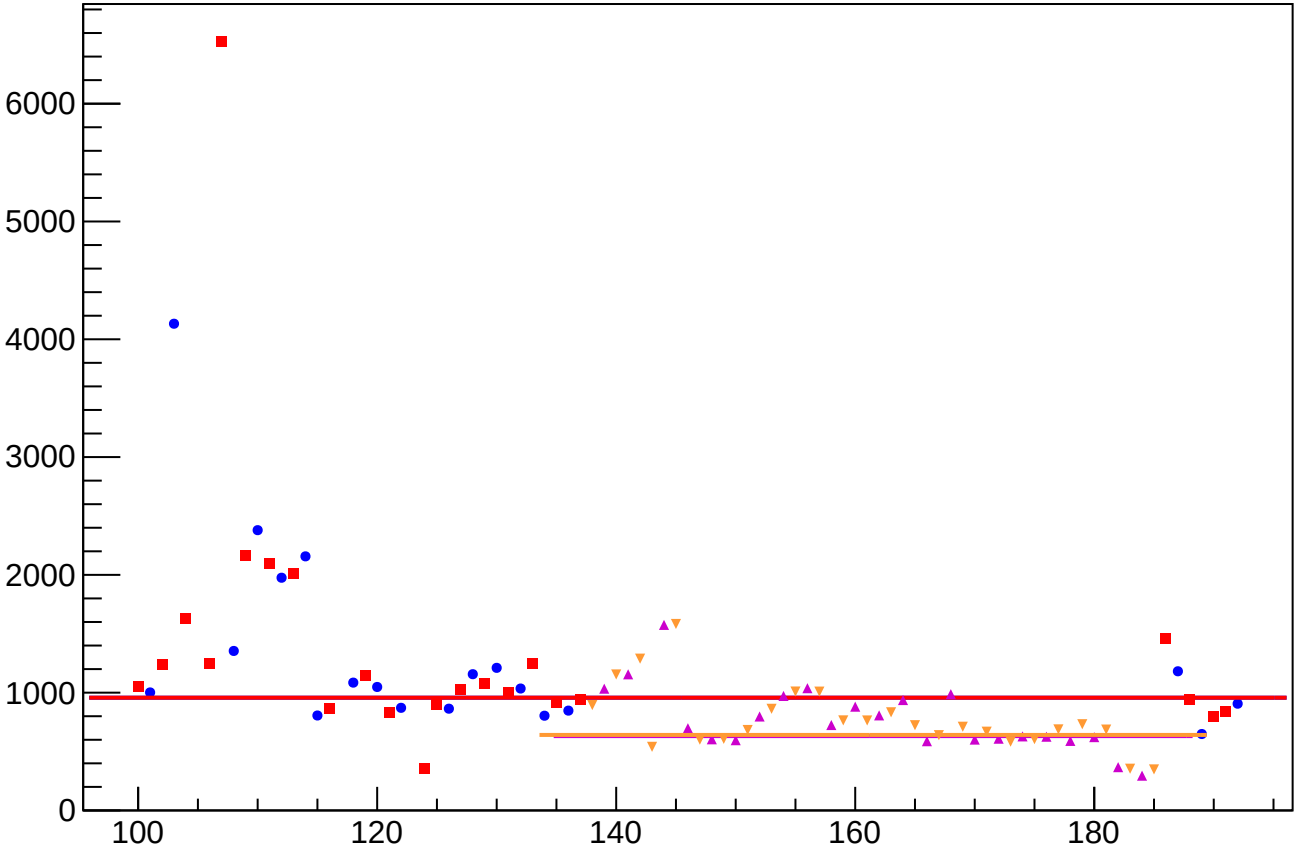
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 227.135+/-140.464 χ^2/NDF: 45.7/43

All: 112.413+/-100.295 χ^2/NDF: 92.5/89

- sign -6.912+/-143.254 χ^2/NDF: 45.4/45

asym_atl1_reg_correction_rms vs Slug



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

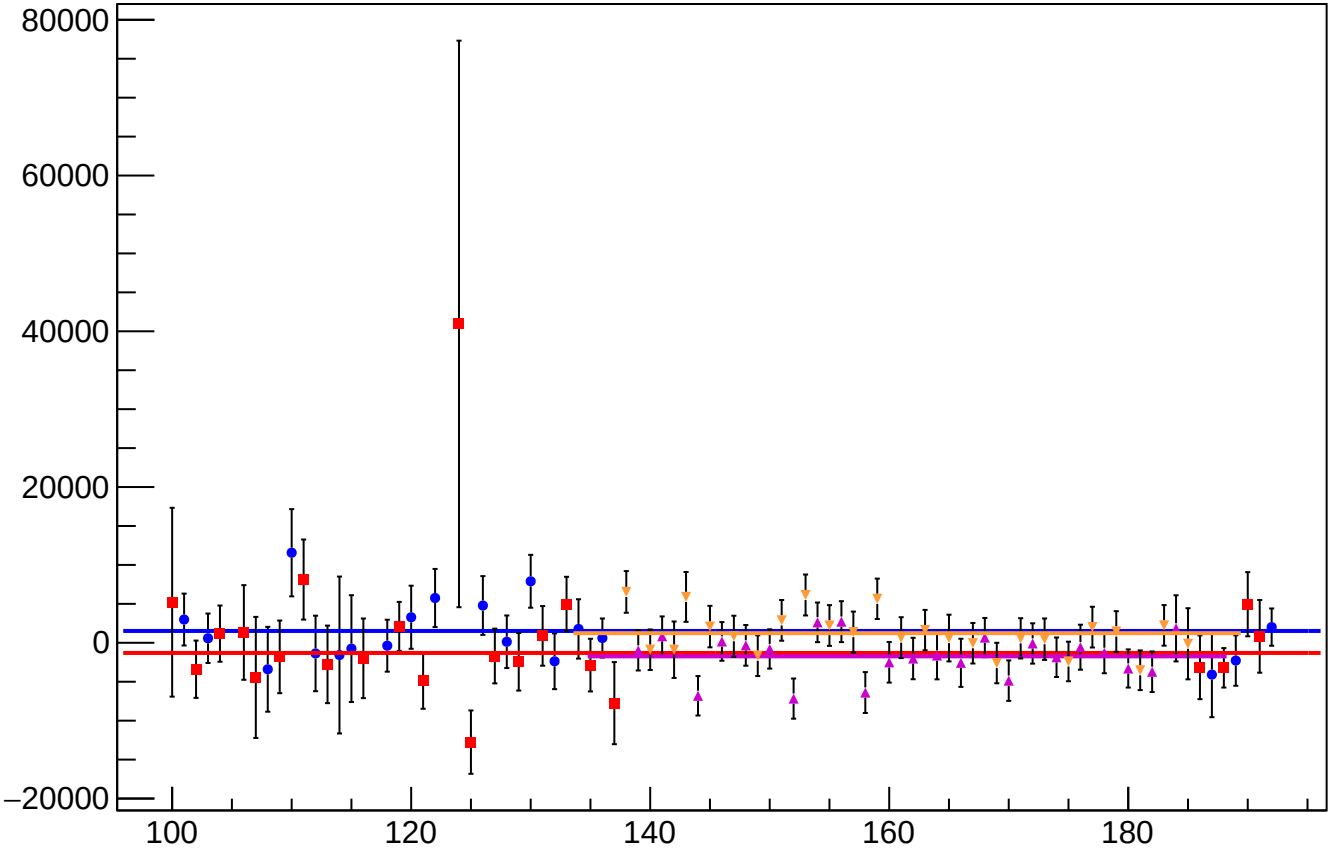
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 694.273+/-0.099 χ^2/NDF: 6536968.3/43

All: 690.786+/-0.071 χ^2/NDF: 14430440.2/89

- sign 687.159+/-0.101 χ^2/NDF: 7890957.0/45

cor_asym_atl1_mean vs Slug



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

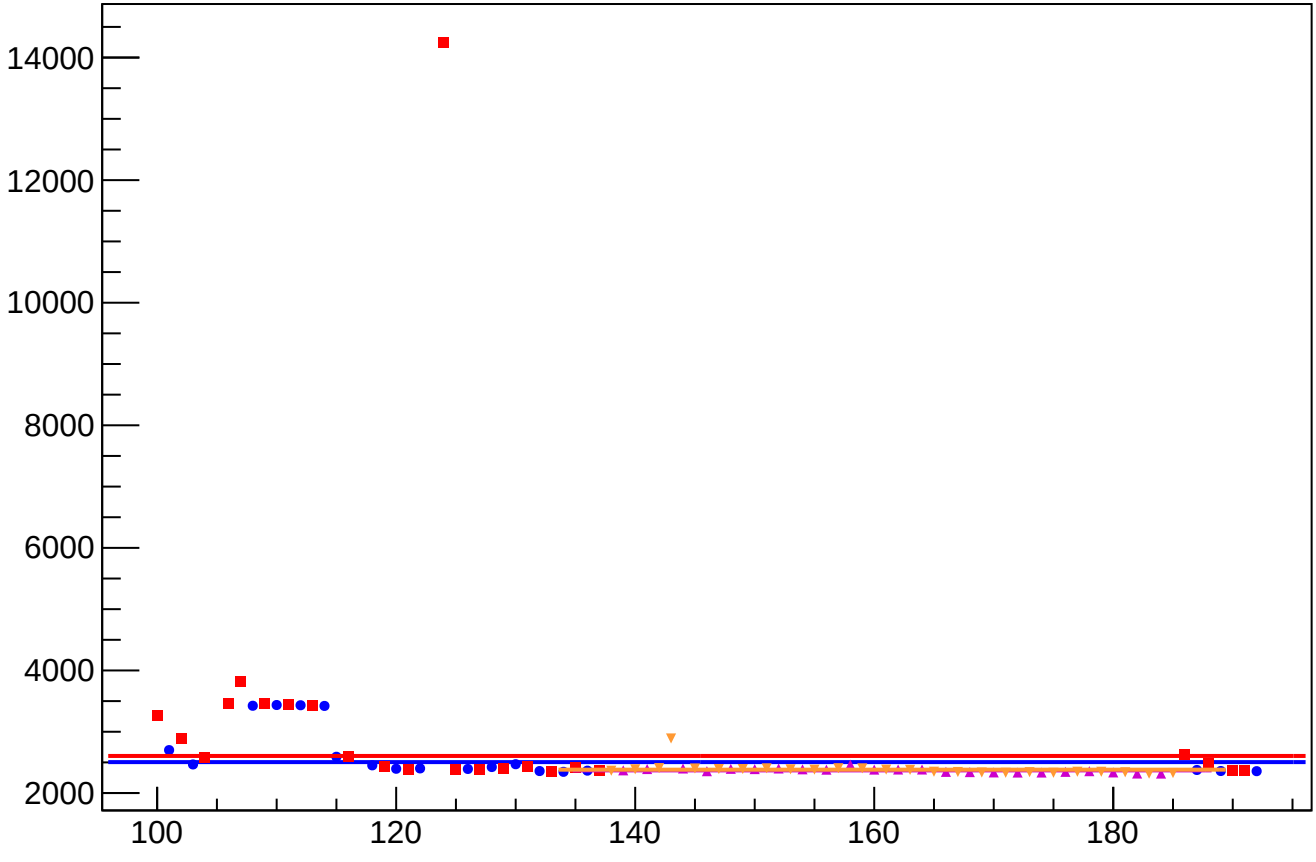
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1317.867+/-455.544 χ^2/NDF: 38.9/43

All: -116.829+/-325.543 χ^2/NDF: 108.7/89

- sign -1614.204+/-465.389 χ^2/NDF: 49.6/45

cor_asym_atl1_rms vs Slug



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

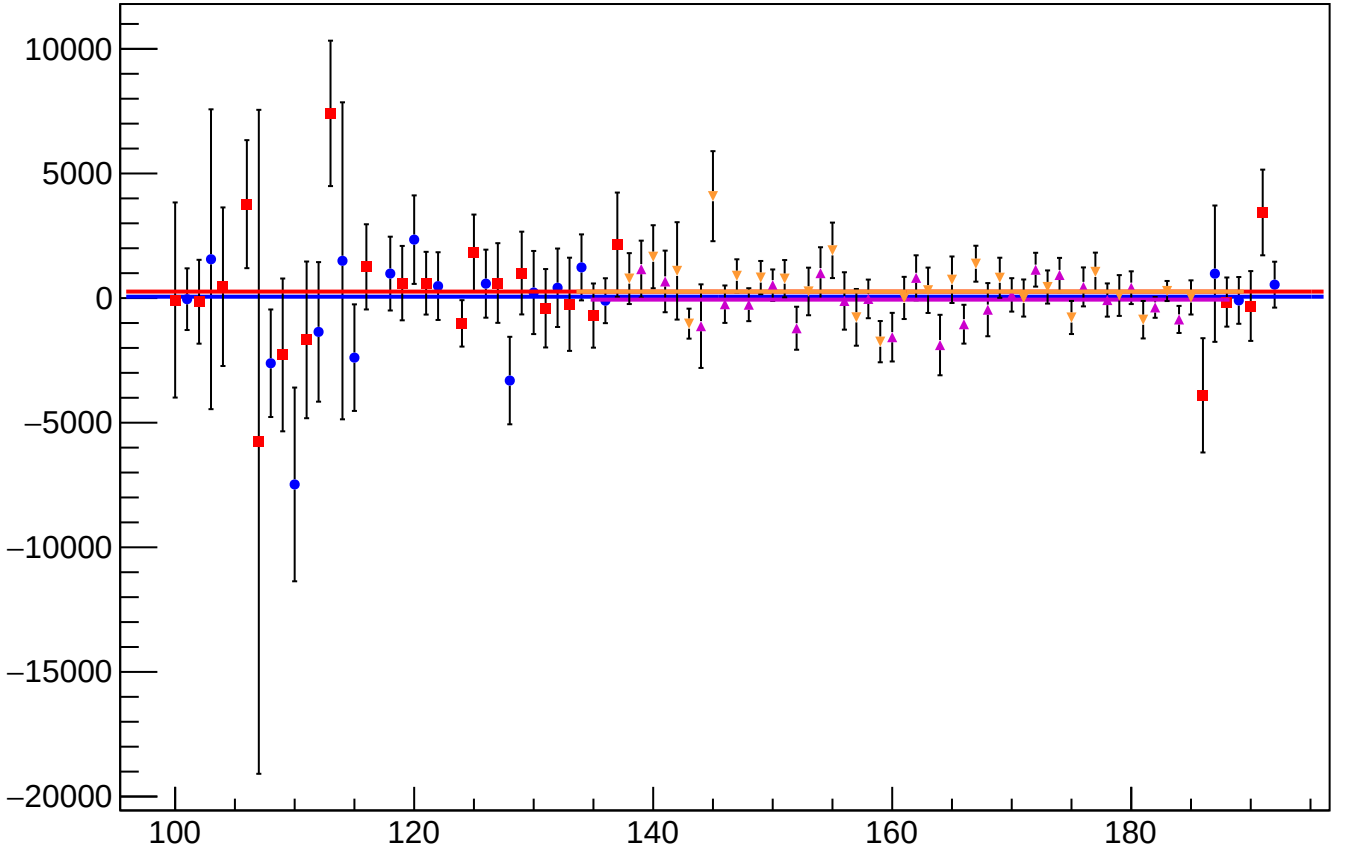
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2417.215+/-0.322 χ^2/NDF: 329753.4/43

All: 2427.540+/-0.230 χ^2/NDF: 1004686.1/89

- sign 2438.316+/-0.329 χ^2/NDF: 672832.9/45

asym_atl1_cor_correction_mean vs Slug



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

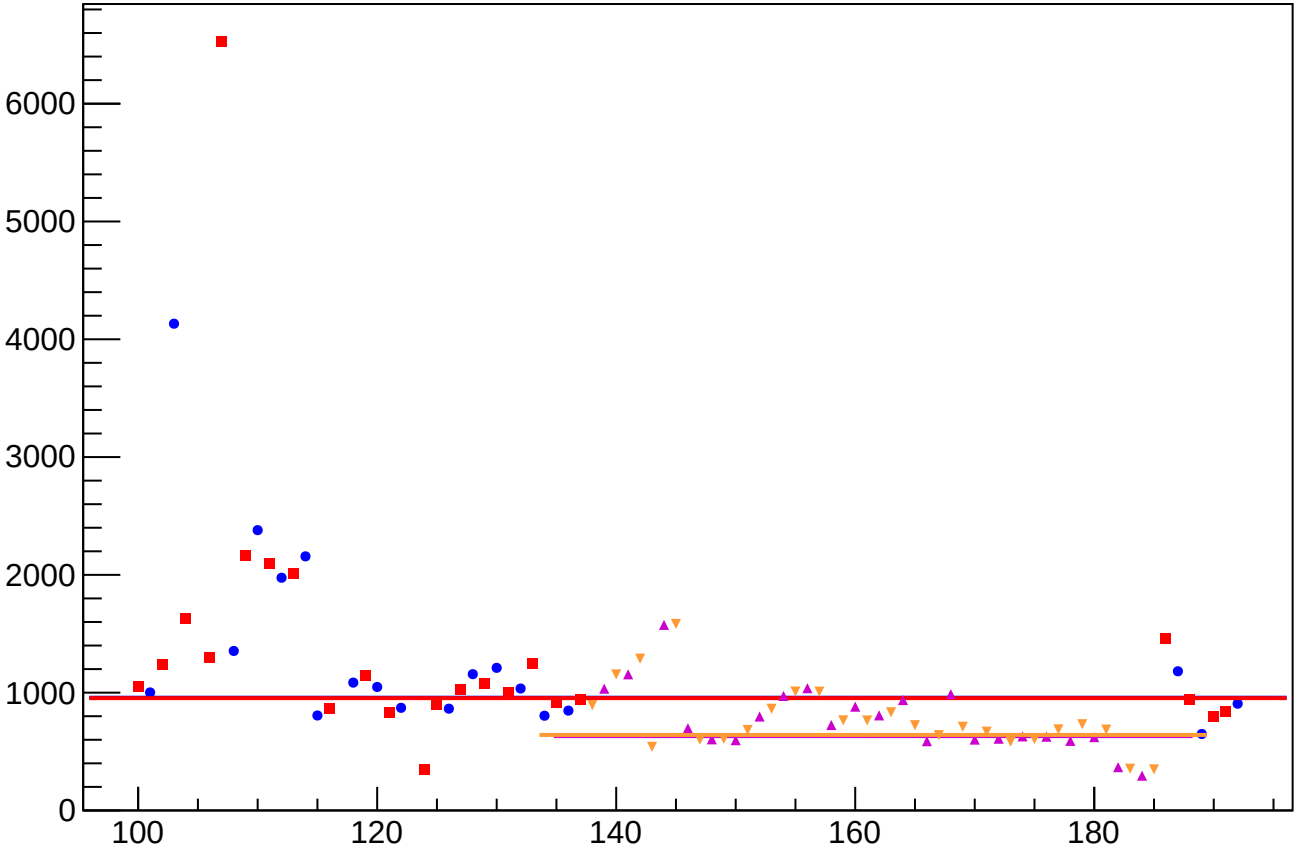
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

\+ sign 227.360+/-140.466 χ^2/NDF: 45.7/43

All: 112.665+/-100.308 χ^2/NDF: 91.2/89

\- sign -6.687+/-143.289 χ^2/NDF: 44.2/45

asym_atl1_cor_correction_rms vs Slug



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

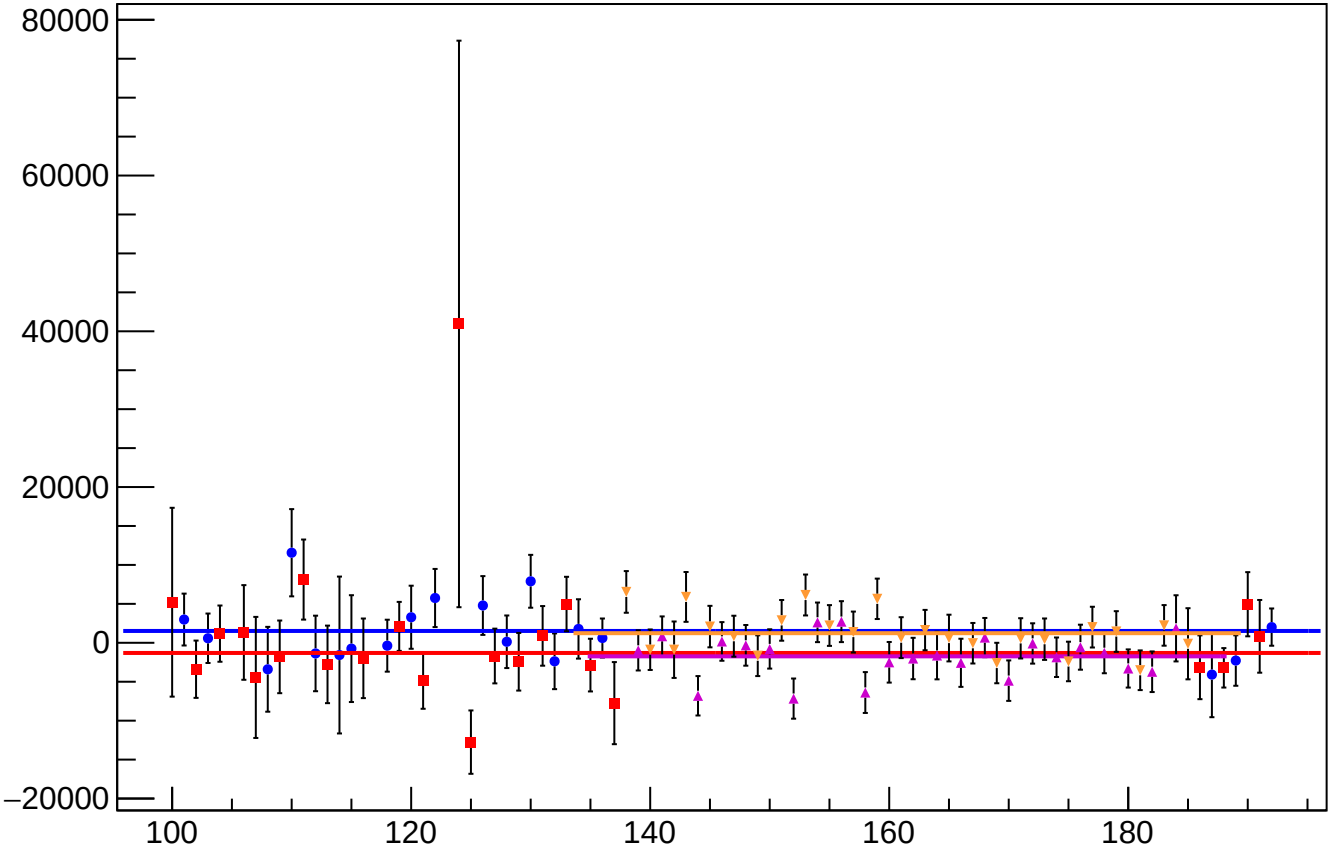
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 694.285+/-0.099 χ^2/NDF: 6536511.6/43

All: 690.407+/-0.071 χ^2/NDF: 14427337.1/89

- sign 686.371+/-0.101 χ^2/NDF: 7887714.3/45

eigen_cor_asym_atl1_mean vs Slug



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

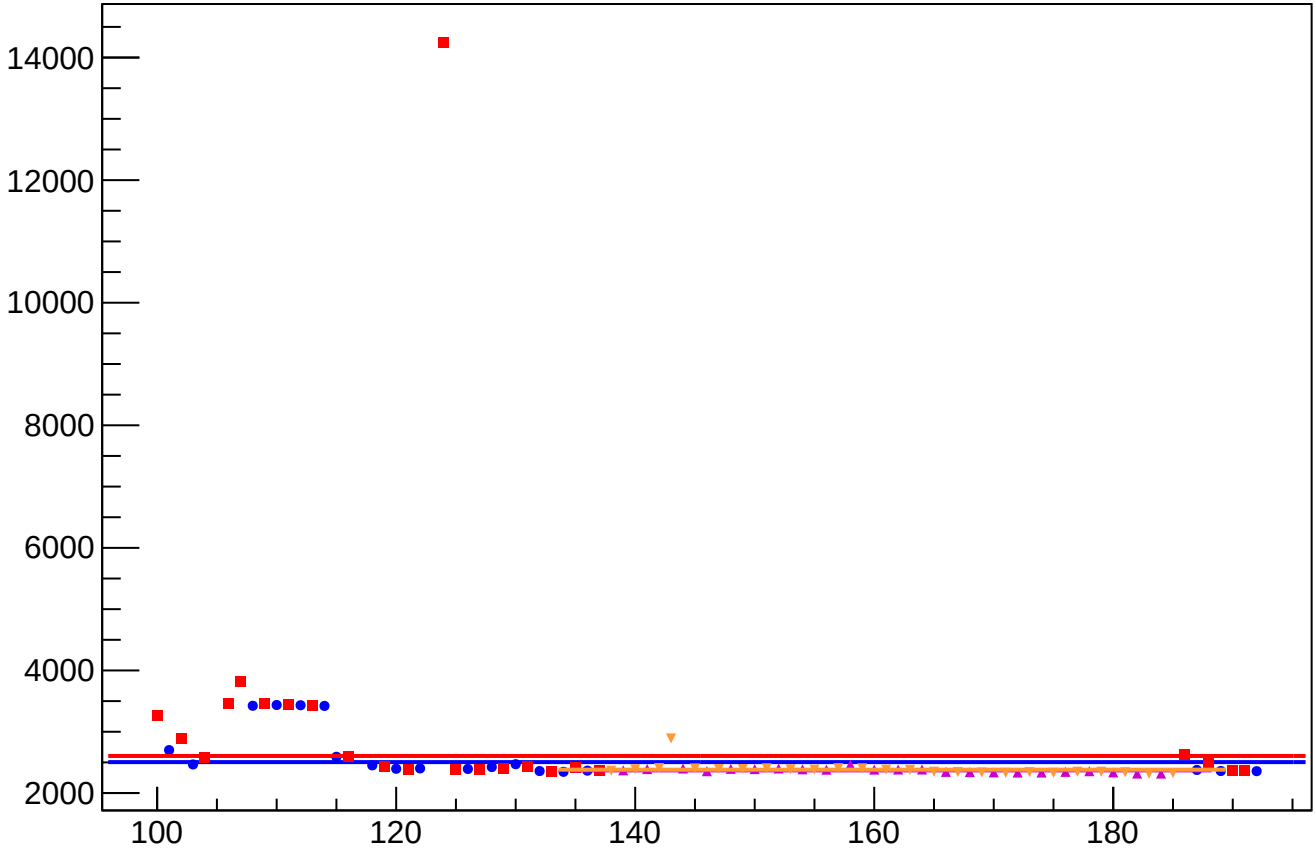
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1317.867+/-455.544 χ^2/NDF: 38.9/43

All: -116.829+/-325.543 χ^2/NDF: 108.7/89

- sign -1614.204+/-465.389 χ^2/NDF: 49.6/45

eigen_cor_asym_atl1_rms vs Slug



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

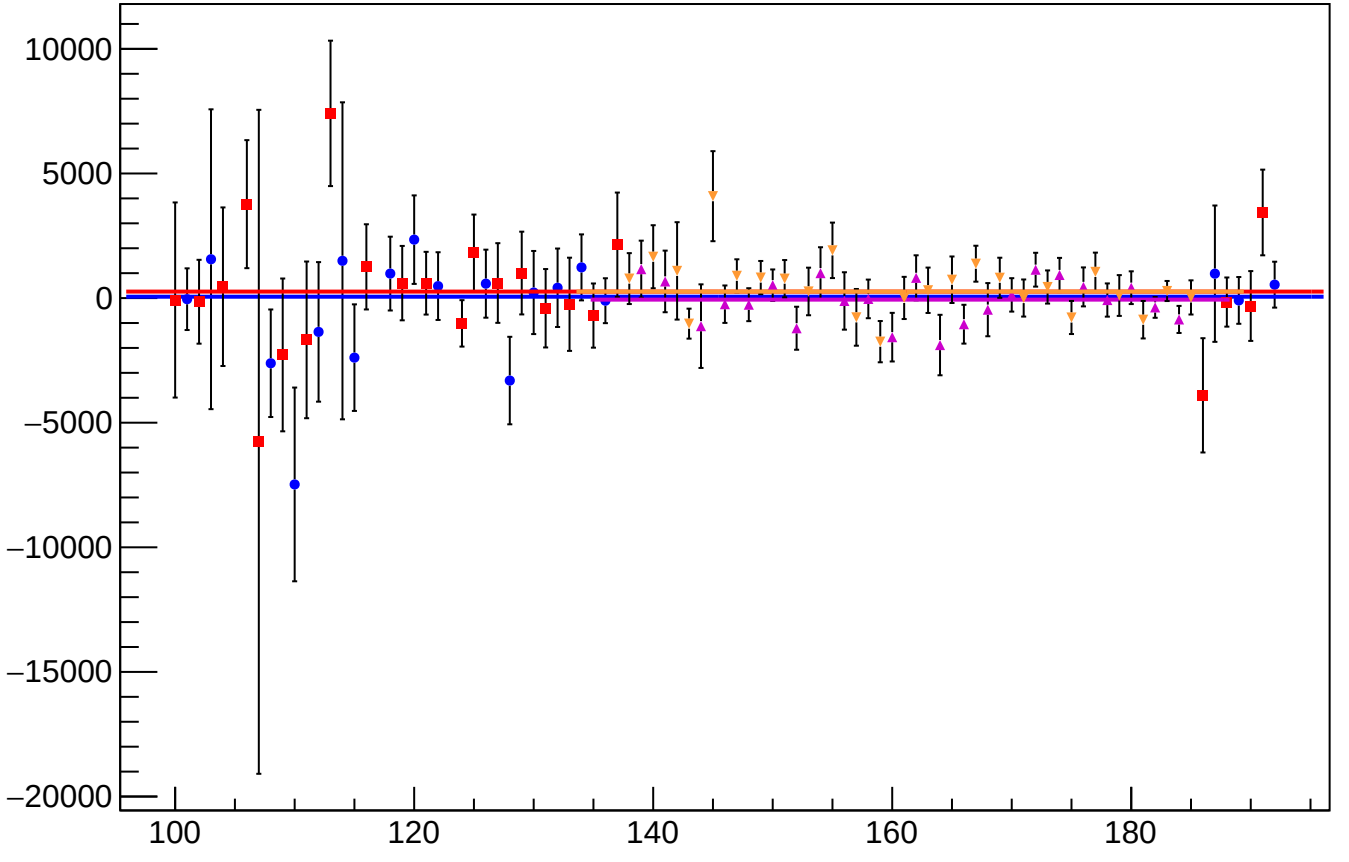
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2417.215+/-0.322 χ^2/NDF: 329753.4/43

All: 2427.540+/-0.230 χ^2/NDF: 1004686.1/89

- sign 2438.316+/-0.329 χ^2/NDF: 672832.9/45

asym_atl1_eigen_cor_correction_mean vs Slug



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

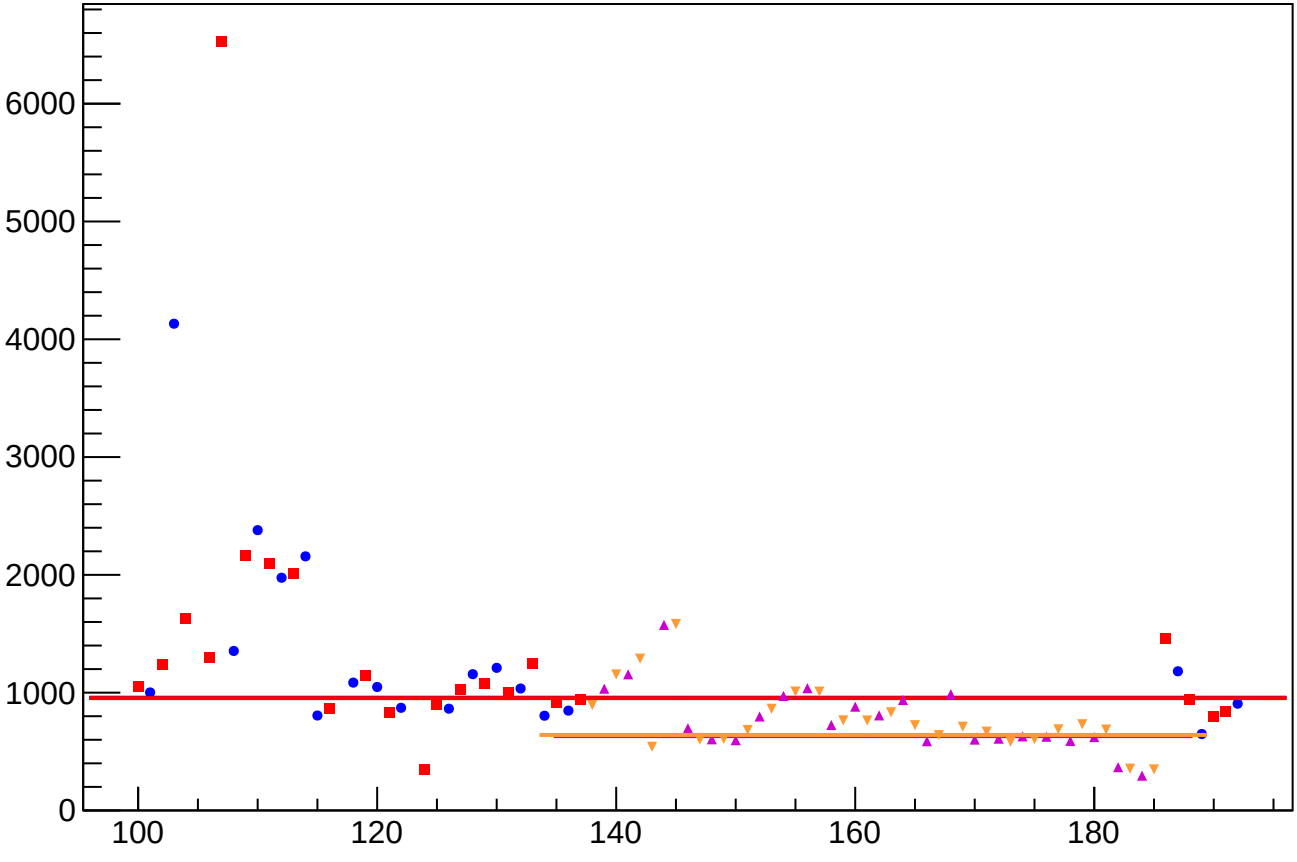
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

\+ sign 227.360+/-140.466 χ^2/NDF: 45.7/43

All: 112.665+/-100.308 χ^2/NDF: 91.2/89

\- sign -6.687+/-143.289 χ^2/NDF: 44.2/45

asym_atl1_eigen_cor_correction_rms vs Slug



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

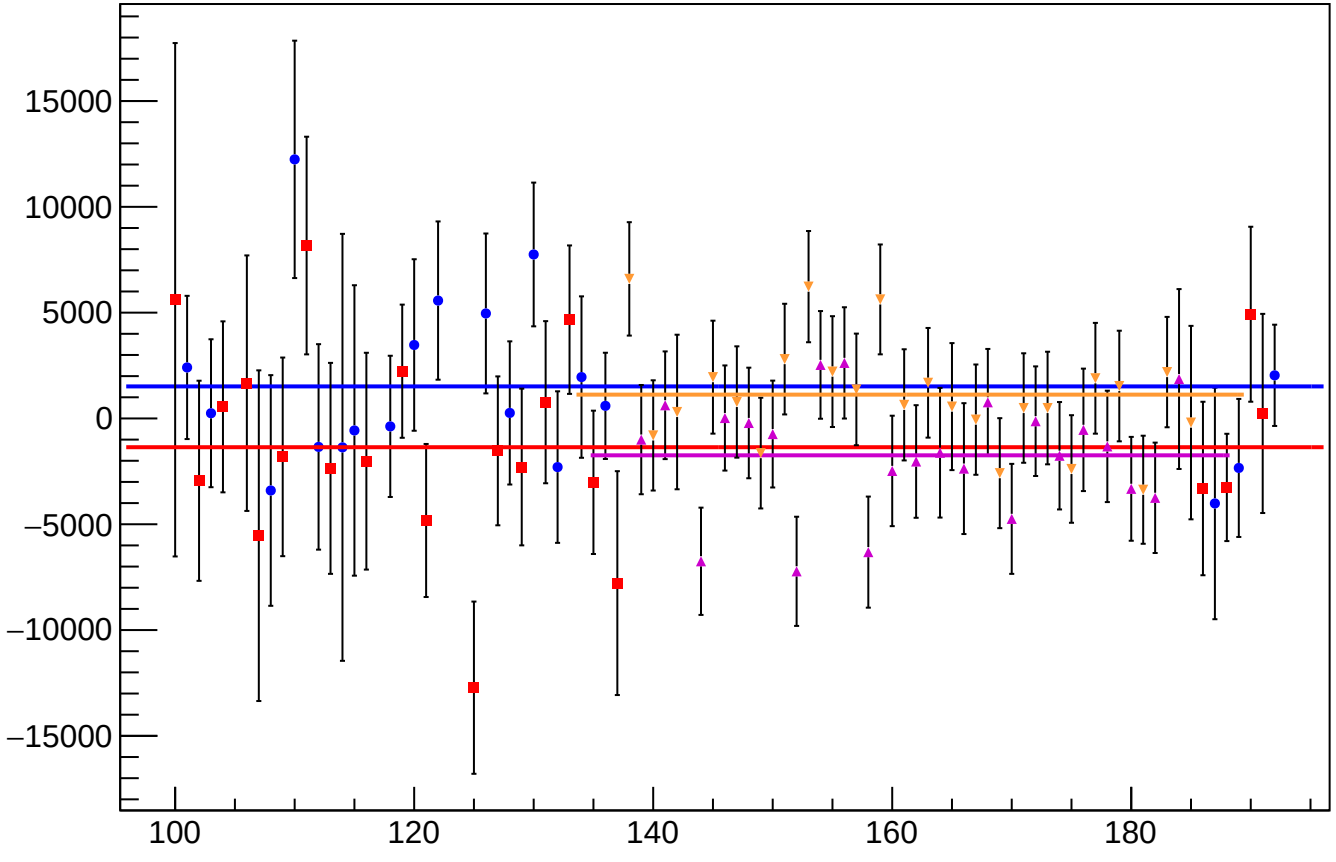
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 694.285+/-0.099 χ^2/NDF: 6536511.6/43

All: 690.407+/-0.071 χ^2/NDF: 14427337.1/89

- sign 686.371+/-0.101 χ^2/NDF: 7887714.3/45

dit_asym_atl1_mean vs Slug



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

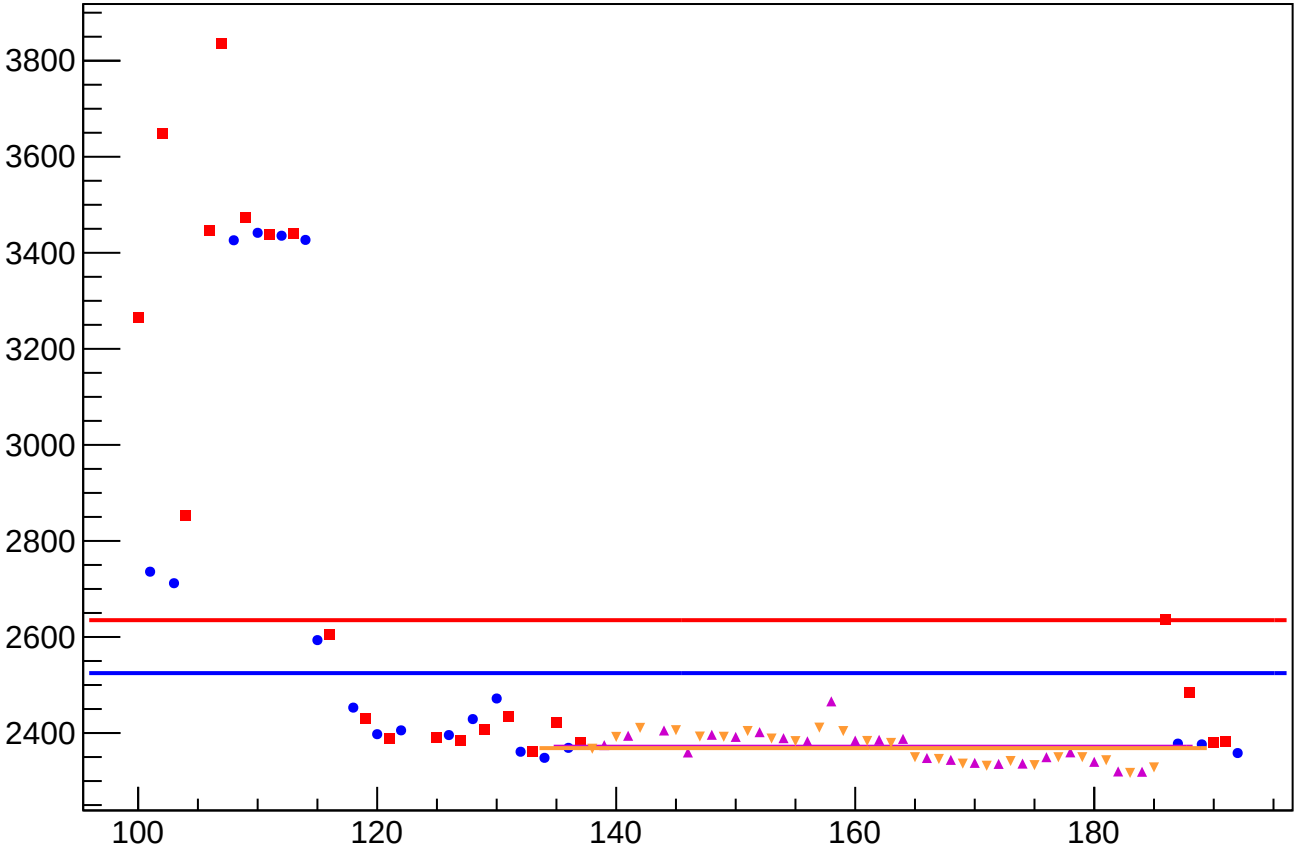
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1240.084+/-461.774 χ^2/NDF: 36.4/42

All: -176.656+/-328.770 χ^2/NDF: 102.3/87

- sign -1633.068+/-468.195 χ^2/NDF: 46.9/44

dit_asym_atl1_rms vs Slug



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

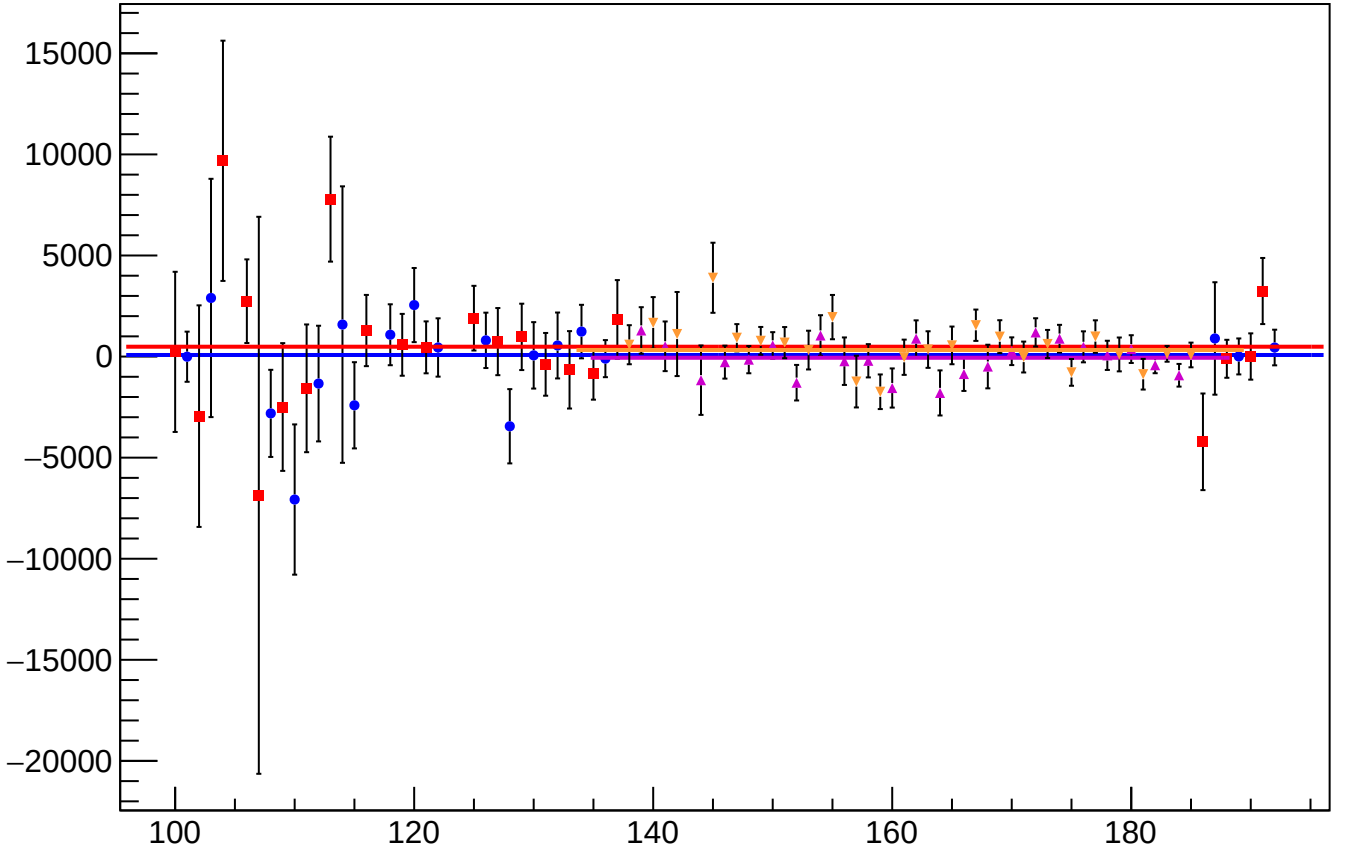
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2414.591+/-0.327 χ^2/NDF: 302119.8/42

All: 2430.400+/-0.232 χ^2/NDF: 887851.2/87

- sign 2446.652+/-0.331 χ^2/NDF: 580977.5/44

asym_atl1_dit_correction_mean vs Slug



Right In: 78.282+/-341.731 χ^2/NDF: 14.8/18

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 487.686+/-373.689 χ^2/NDF: 21.8/21

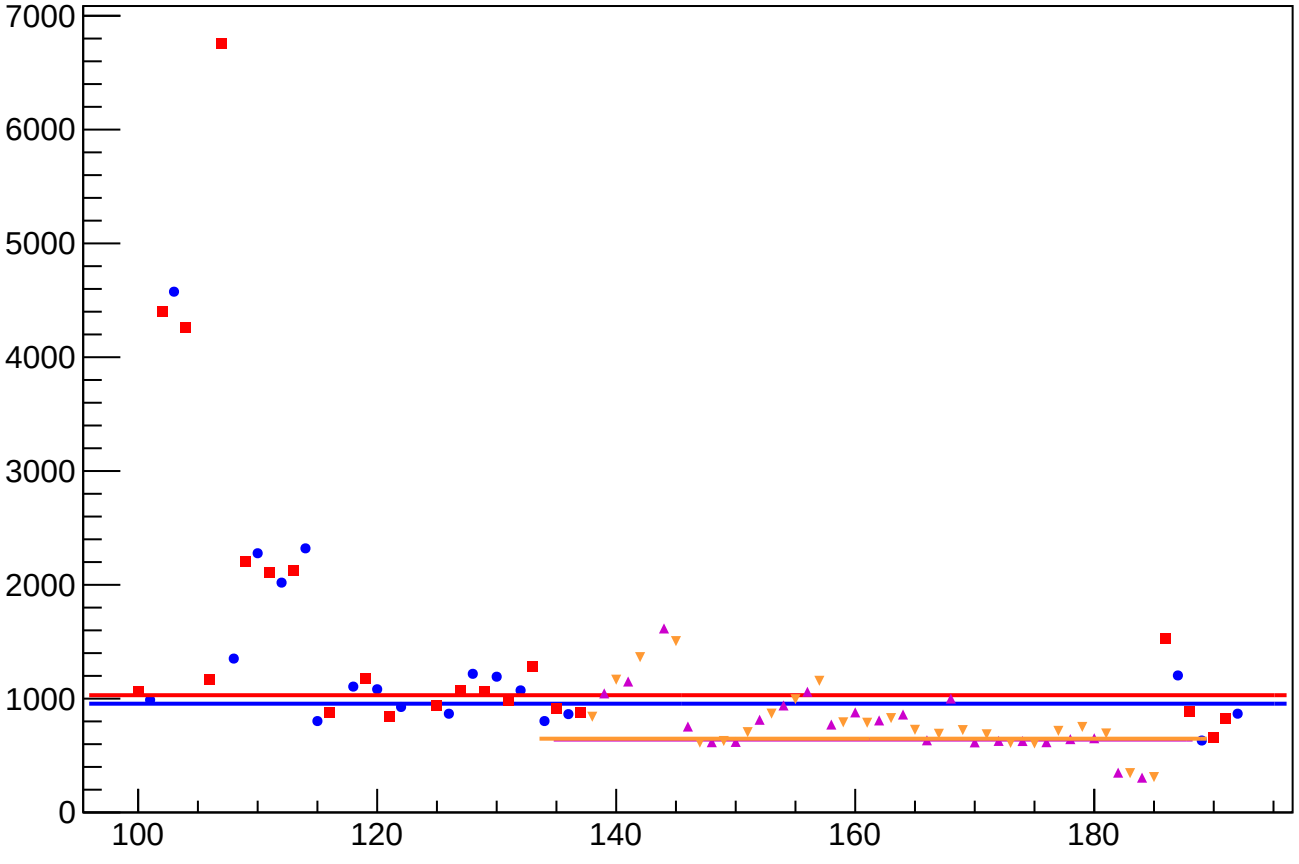
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

\+ sign 281.404+/-144.934 χ^2/NDF: 42.0/42

All: 154.804+/-103.147 χ^2/NDF: 89.9/87

\- sign 24.875+/-146.828 χ^2/NDF: 46.3/44

asym_atl1_dit_correction_rms vs Slug



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

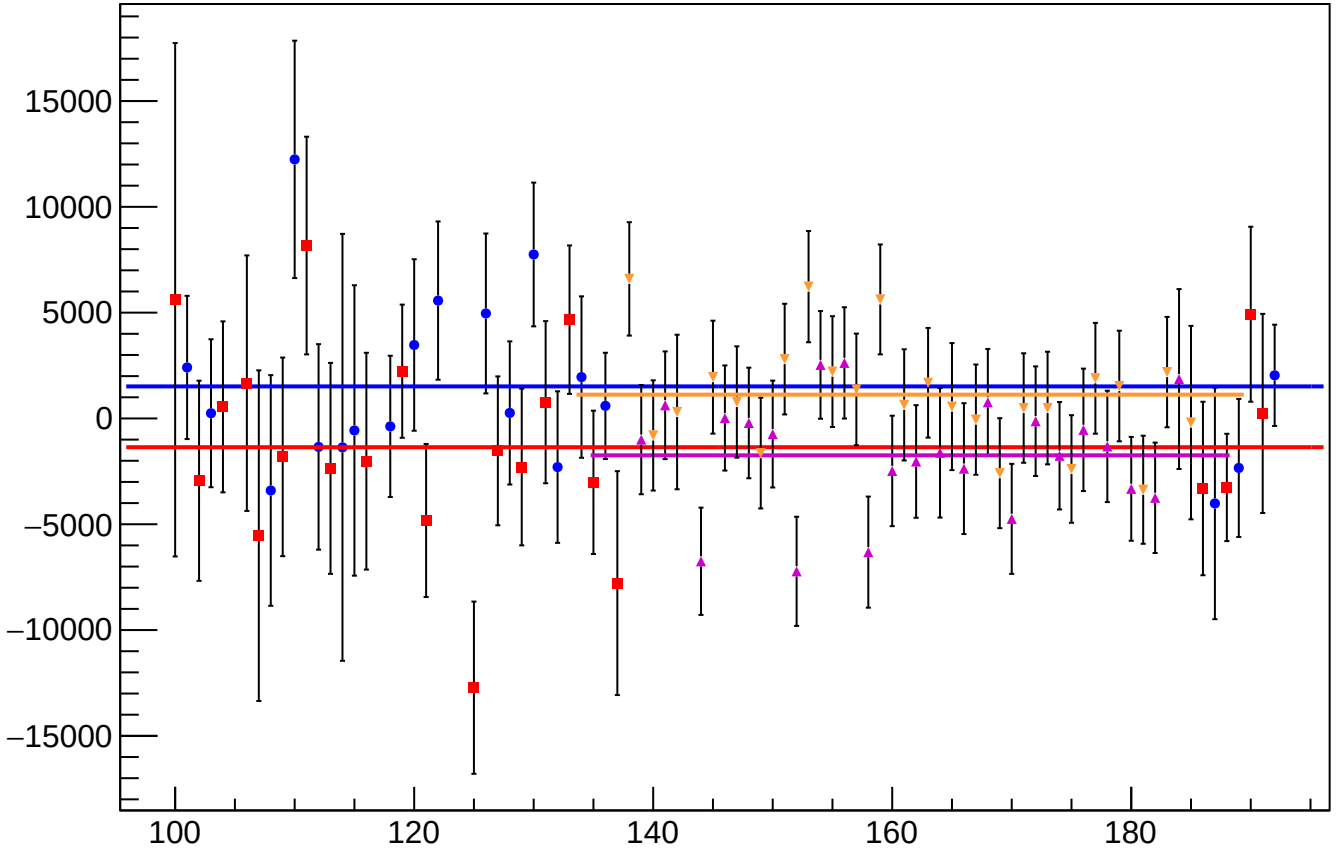
Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 703.411+/-0.102 χ^2/NDF: 7136489.2/42

All: 702.026+/-0.073 χ^2/NDF: 16100596.1/87

- sign 700.604+/-0.104 χ^2/NDF: 8963736.5/44

eigen_dit_asym_atl1_mean vs Slug



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

+ sign 1240.084+/-461.774 χ^2/NDF: 36.4/42

All: -176.656+/-328.770 χ^2/NDF: 102.3/87

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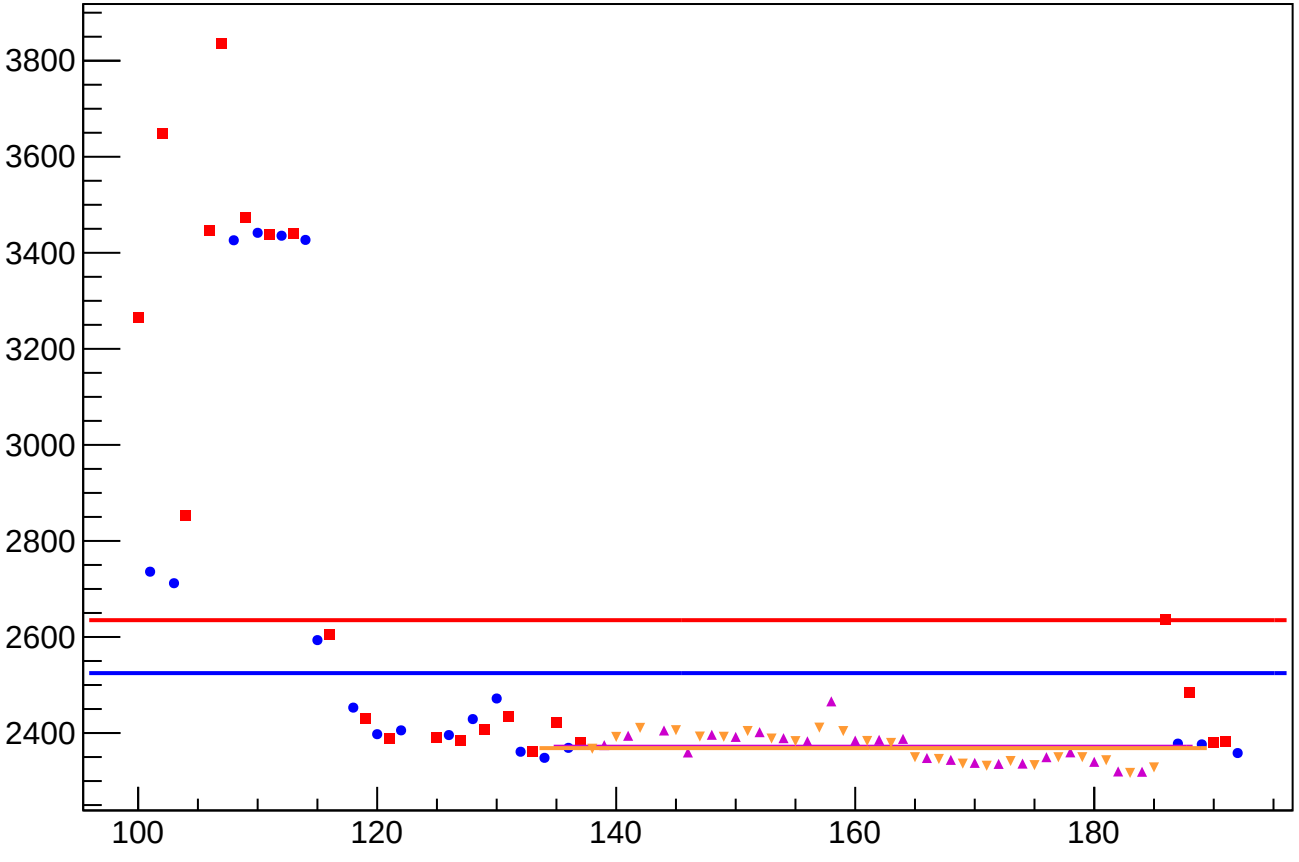
eigen_dit_asym_atl1_rms vs Slug



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

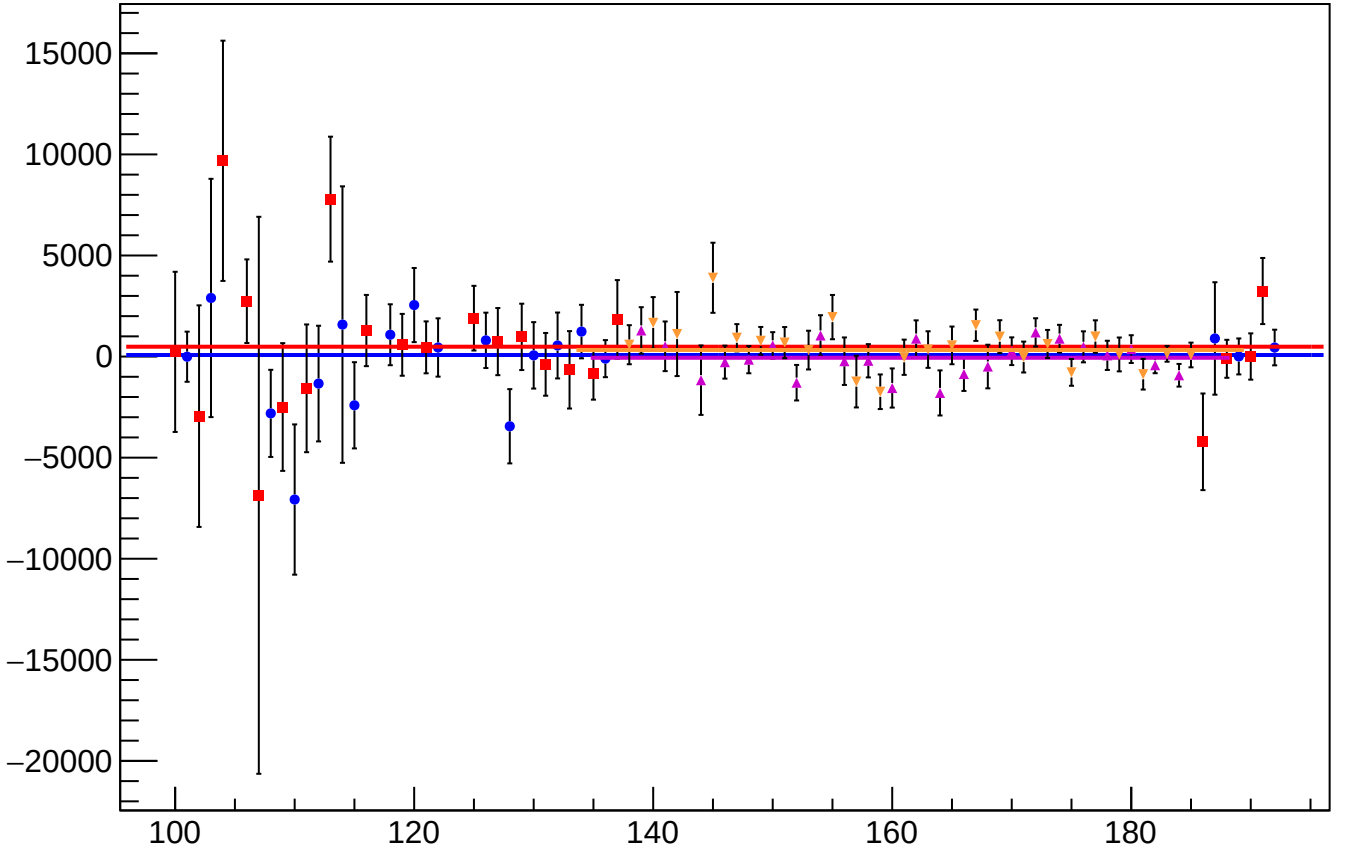
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2414.591+/-0.327 χ^2/NDF: 302119.3/42

All: 2430.400+/-0.232 χ^2/NDF: 887849.8/87

- sign 2446.652+/-0.331 χ^2/NDF: 580976.5/44

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 78.280+/-341.731 χ^2/NDF: 14.8/18

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 487.685+/-373.689 χ^2/NDF: 21.8/21

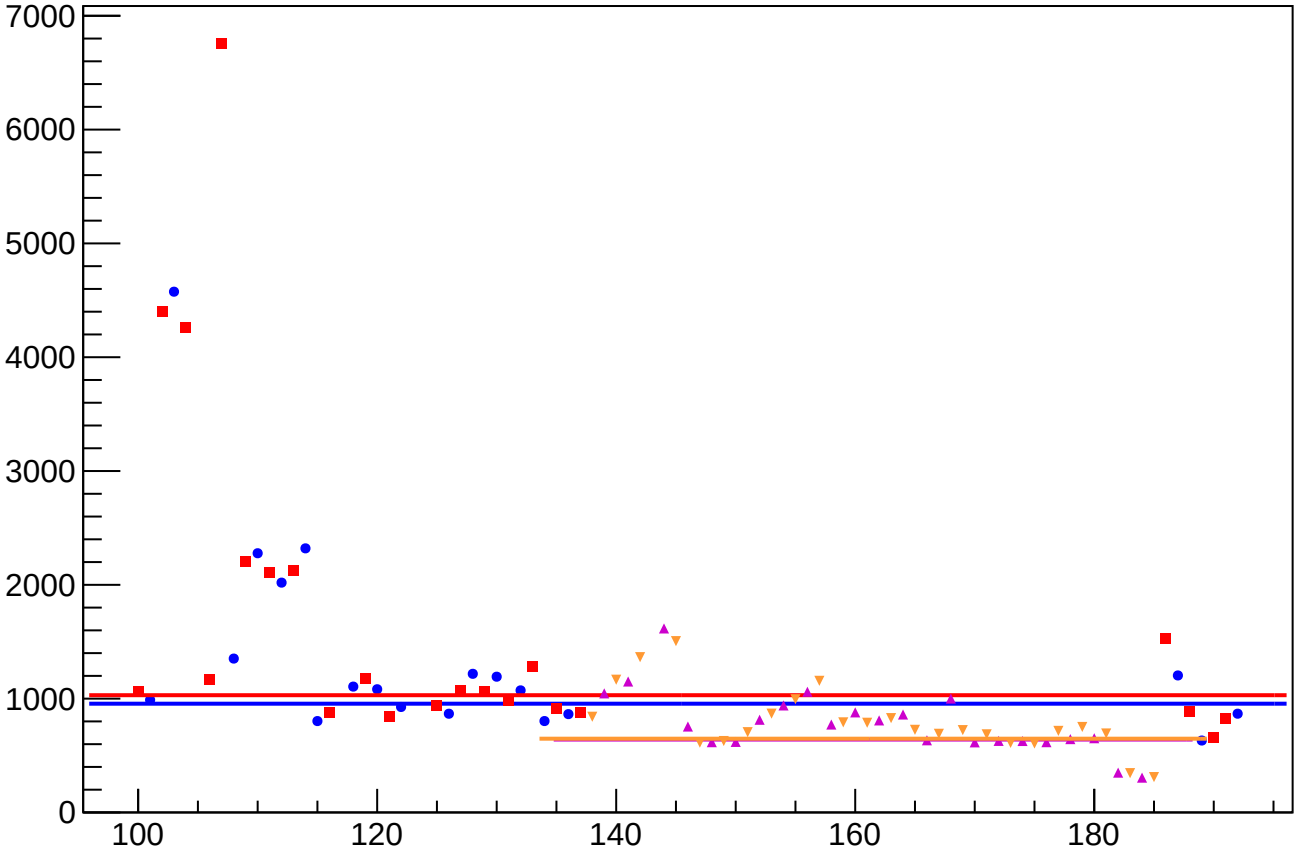
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 281.404+/-144.935 χ^2/NDF: 42.0/42

All: 154.804+/-103.147 χ^2/NDF: 89.9/87

- sign 24.875+/-146.828 χ^2/NDF: 46.3/44

asym_atl1_eigen_dit_correction_rms vs Slug



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

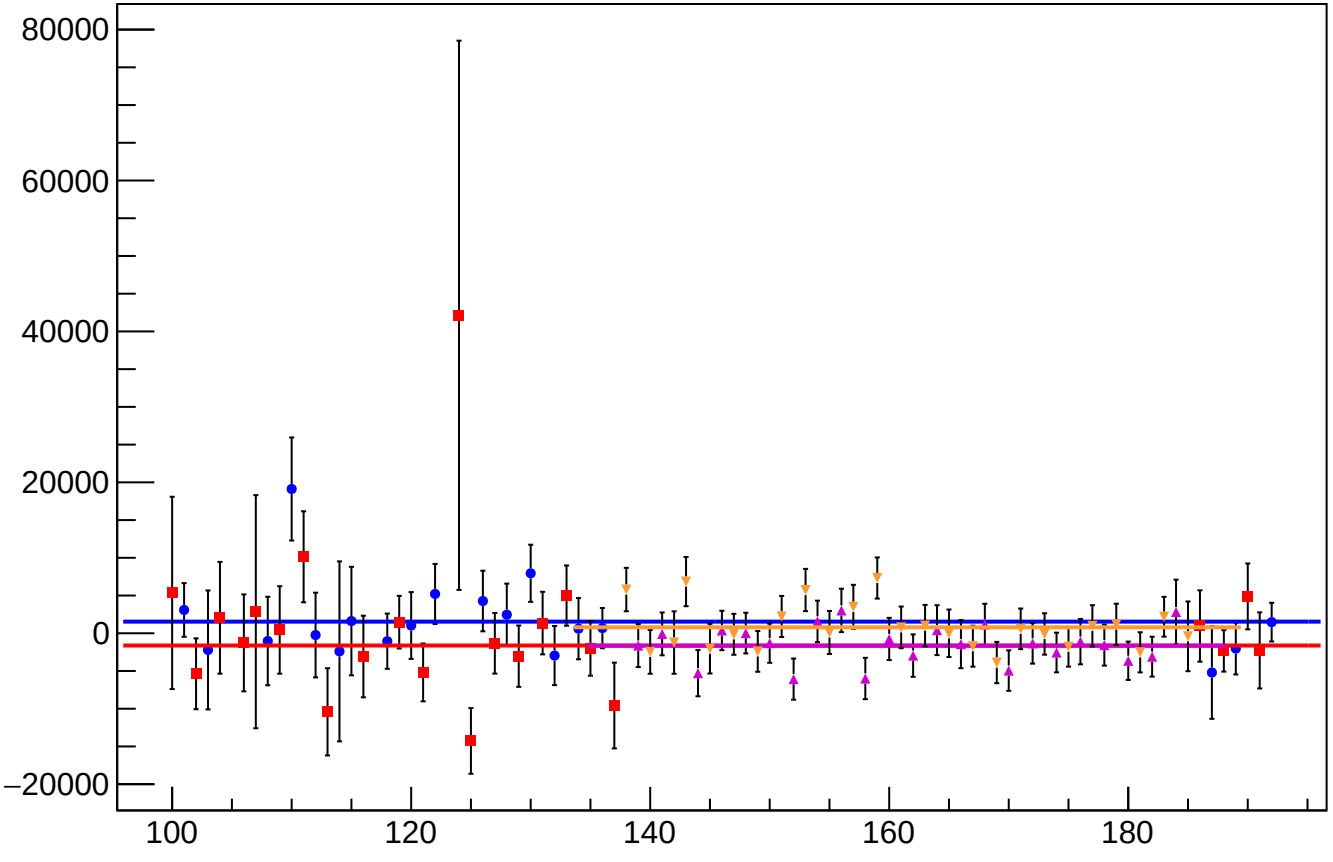
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 703.412+/-0.102 χ^2/NDF: 7136489.4/42

All: 702.027+/-0.073 χ^2/NDF: 16100599.7/87

- sign 700.604+/-0.104 χ^2/NDF: 8963739.9/44

asym_atl1_mean vs Slug



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

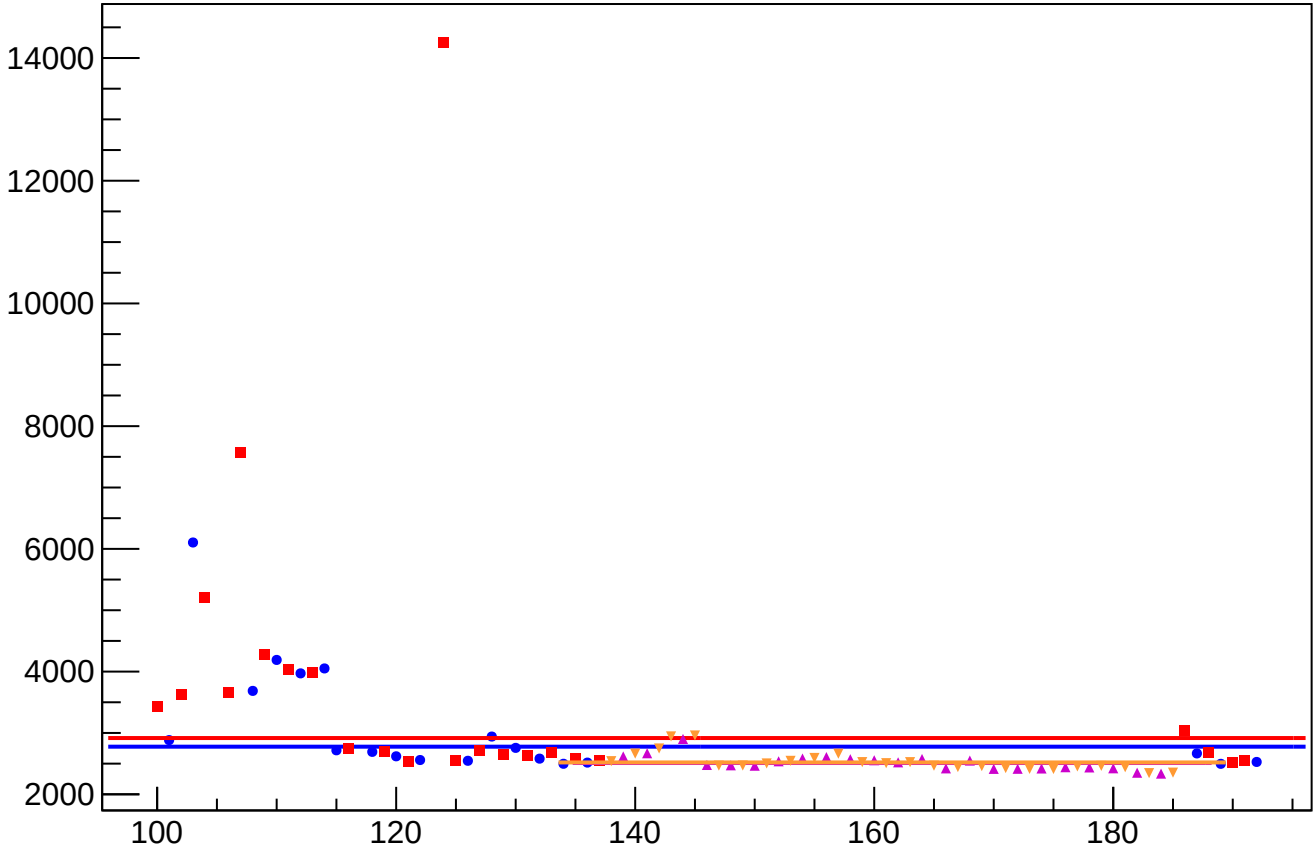
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 992.543+/-490.498 χ^2/NDF: 43.5/43

All: -292.977+/-351.277 χ^2/NDF: 102.0/89

- sign -1646.541+/-503.312 χ^2/NDF: 44.4/45

asym_atl1_rms vs Slug



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

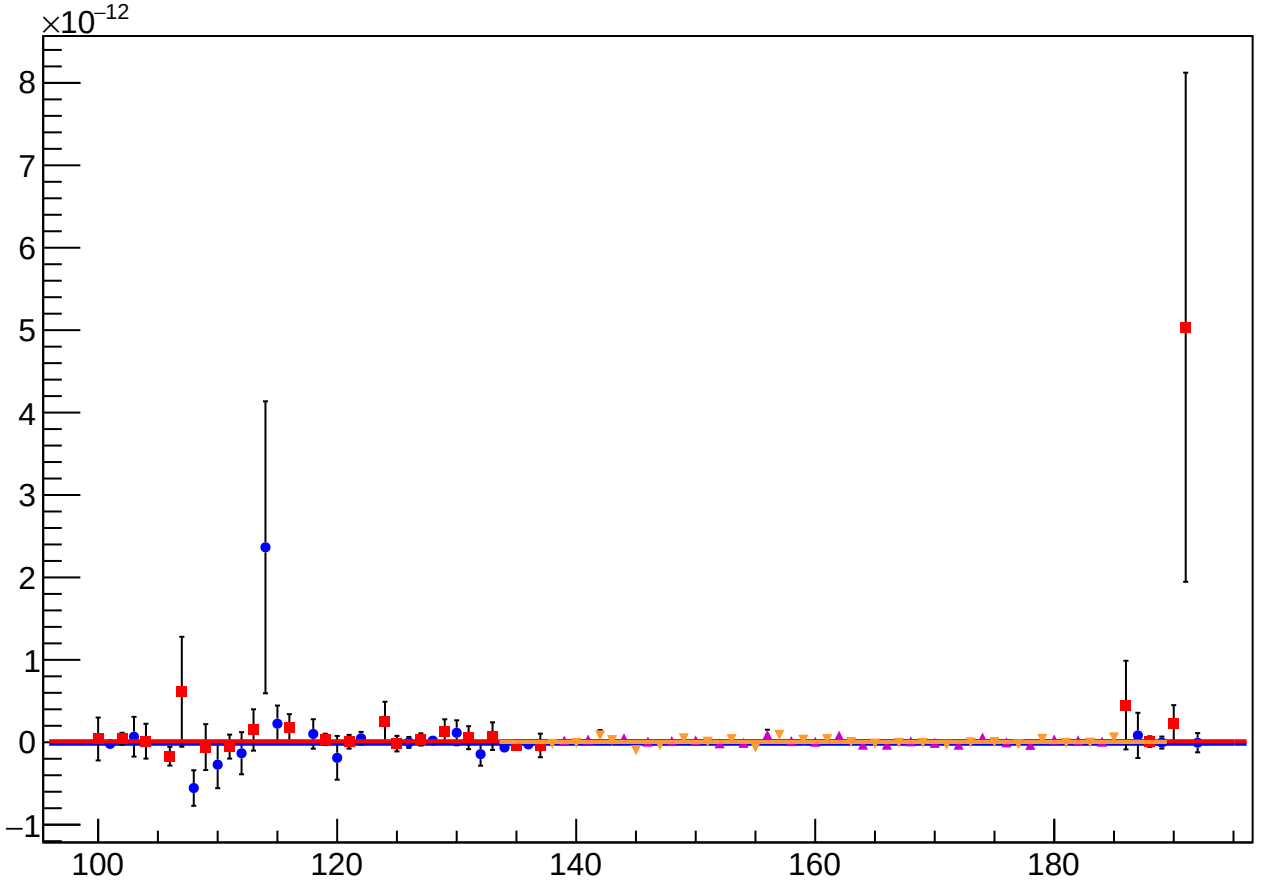
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2588.309+/-0.347 χ^2/NDF: 913974.1/43

All: 2602.611+/-0.248 χ^2/NDF: 2277132.8/89

- sign 2617.670+/-0.356 χ^2/NDF: 1359668.1/45

asym_atl1_reg_vs_cor_diff_mean vs Slug



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

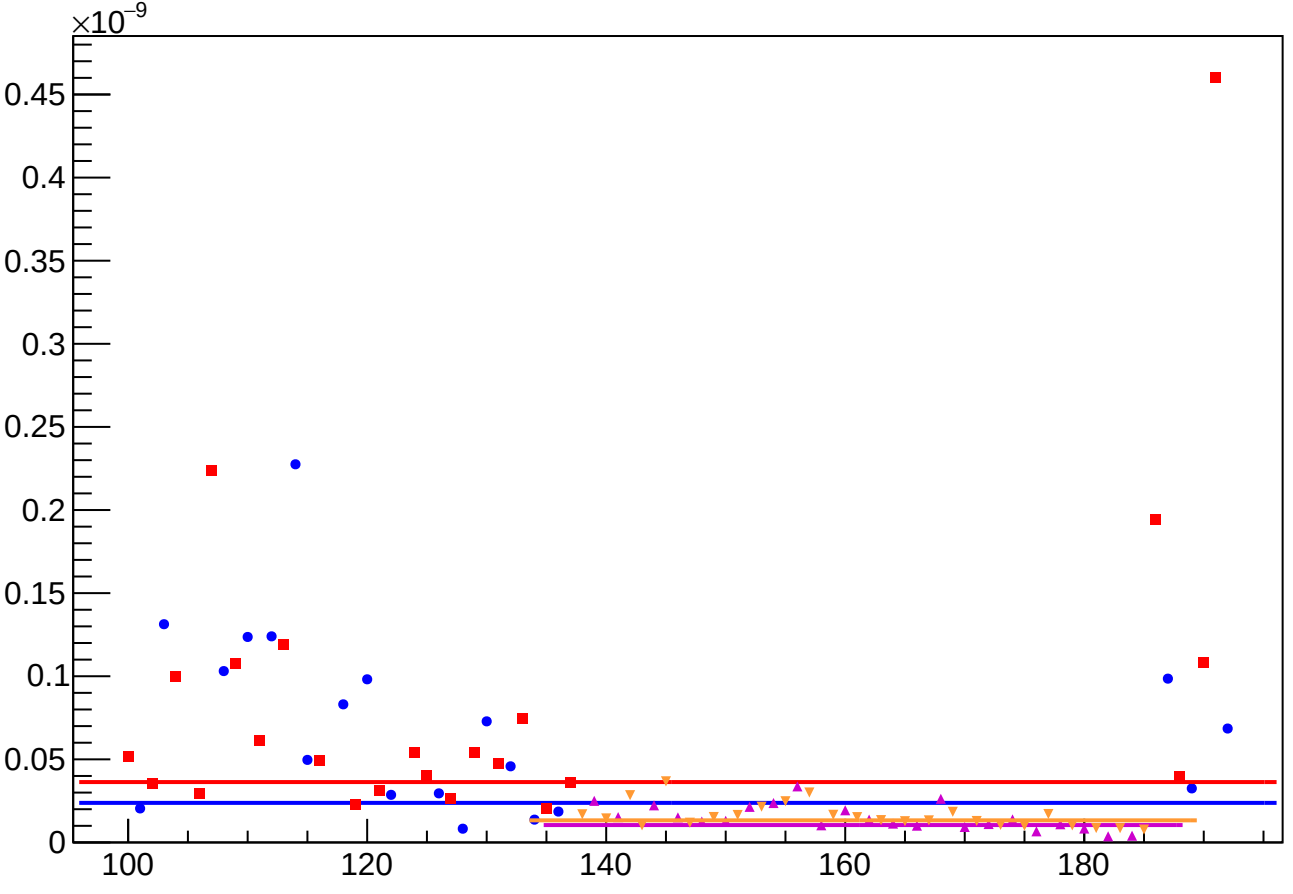
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.9/43

All: 0.000+/-0.000 χ^2/NDF: 93.6/89

- sign 0.000+/-0.000 χ^2/NDF: 44.8/45

asym_atl1_reg_vs_cor_diff_rms vs Slug



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

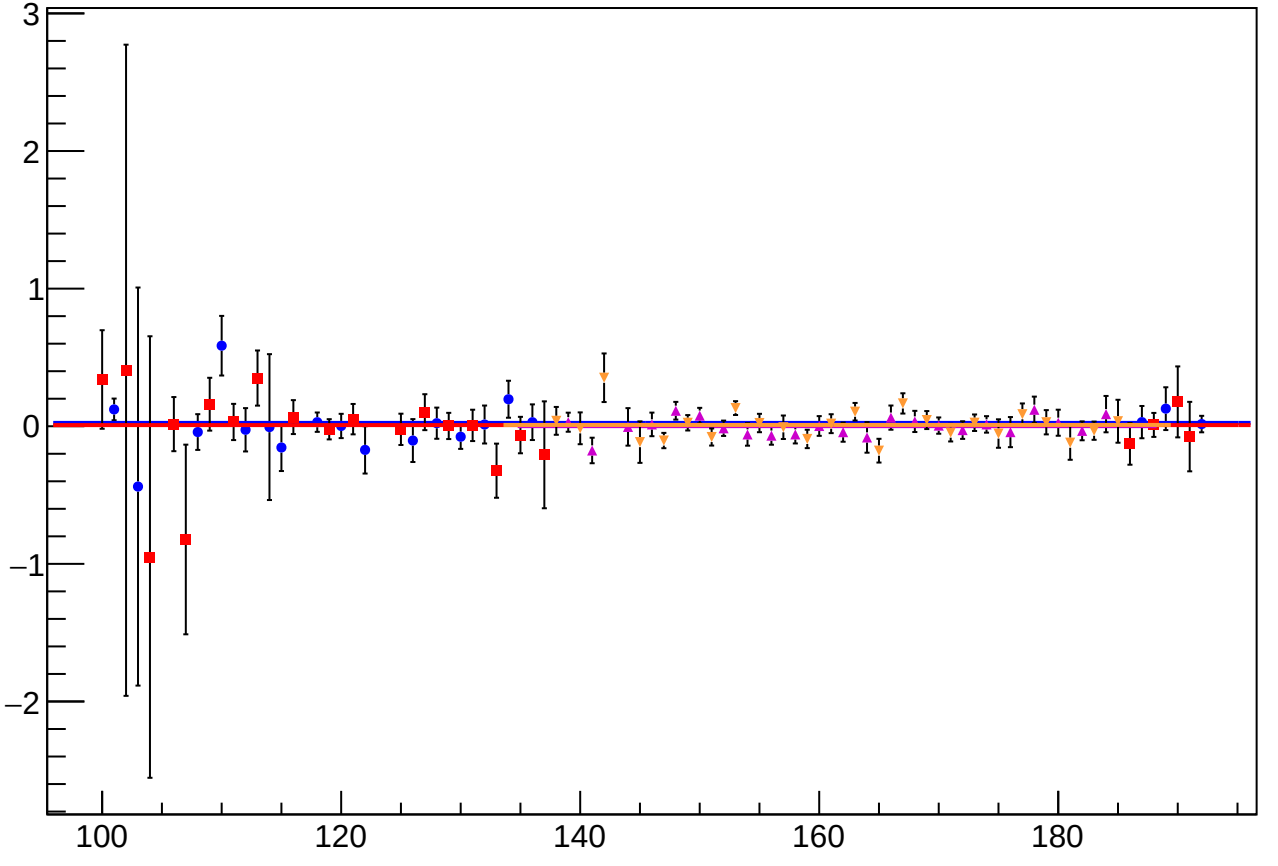
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5045850.4/43

All: 0.000+/-0.000 χ^2/NDF: 12327741.2/89

- sign 0.000+/-0.000 χ^2/NDF: 6973208.4/45

asym_atl1_dit_vs_cor_diff_mean vs Slug



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

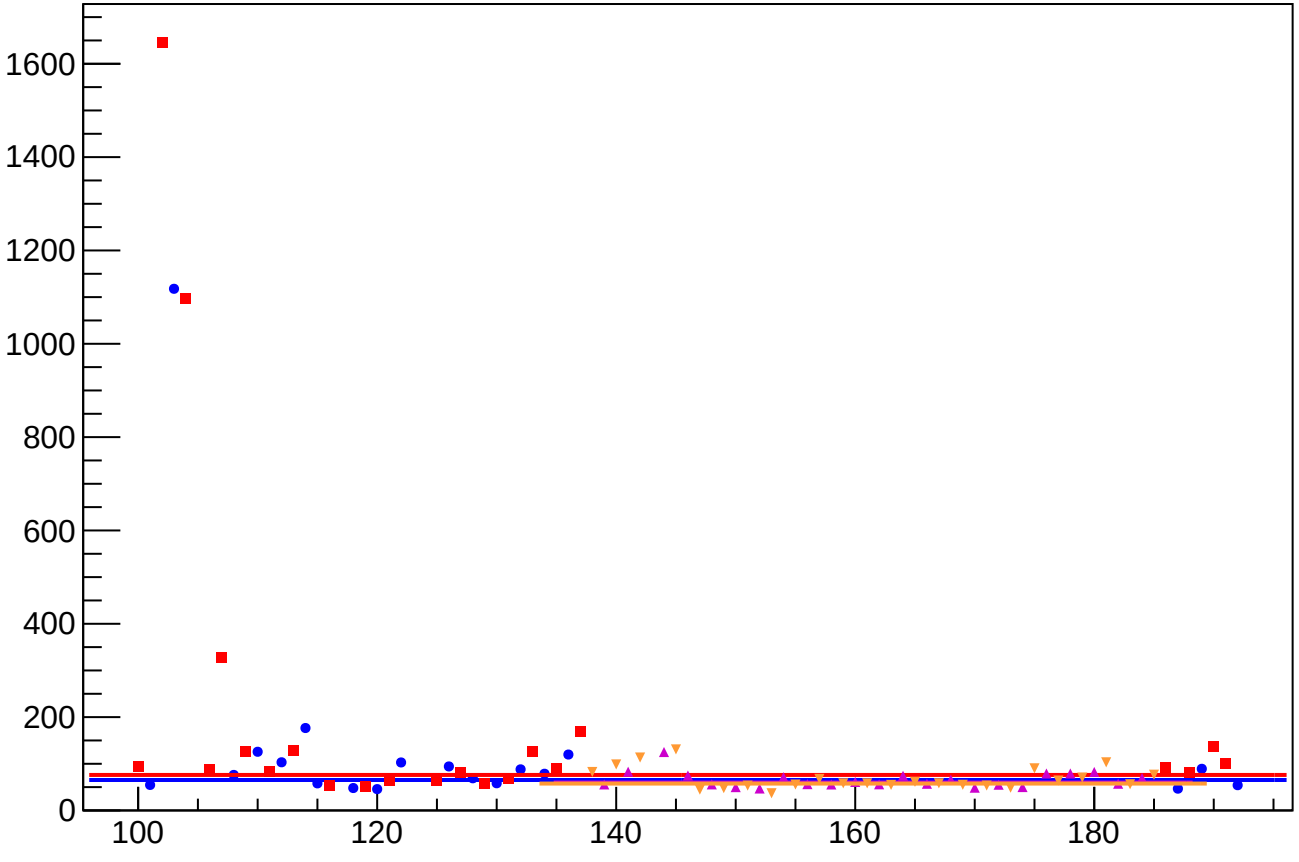
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/42

All: 0.008+/-0.009 χ^2/NDF: 78.4/87

- sign 0.002+/-0.014 χ^2/NDF: 27.8/44

asym_atl1_dit_vs_cor_diff_rms vs Slug



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

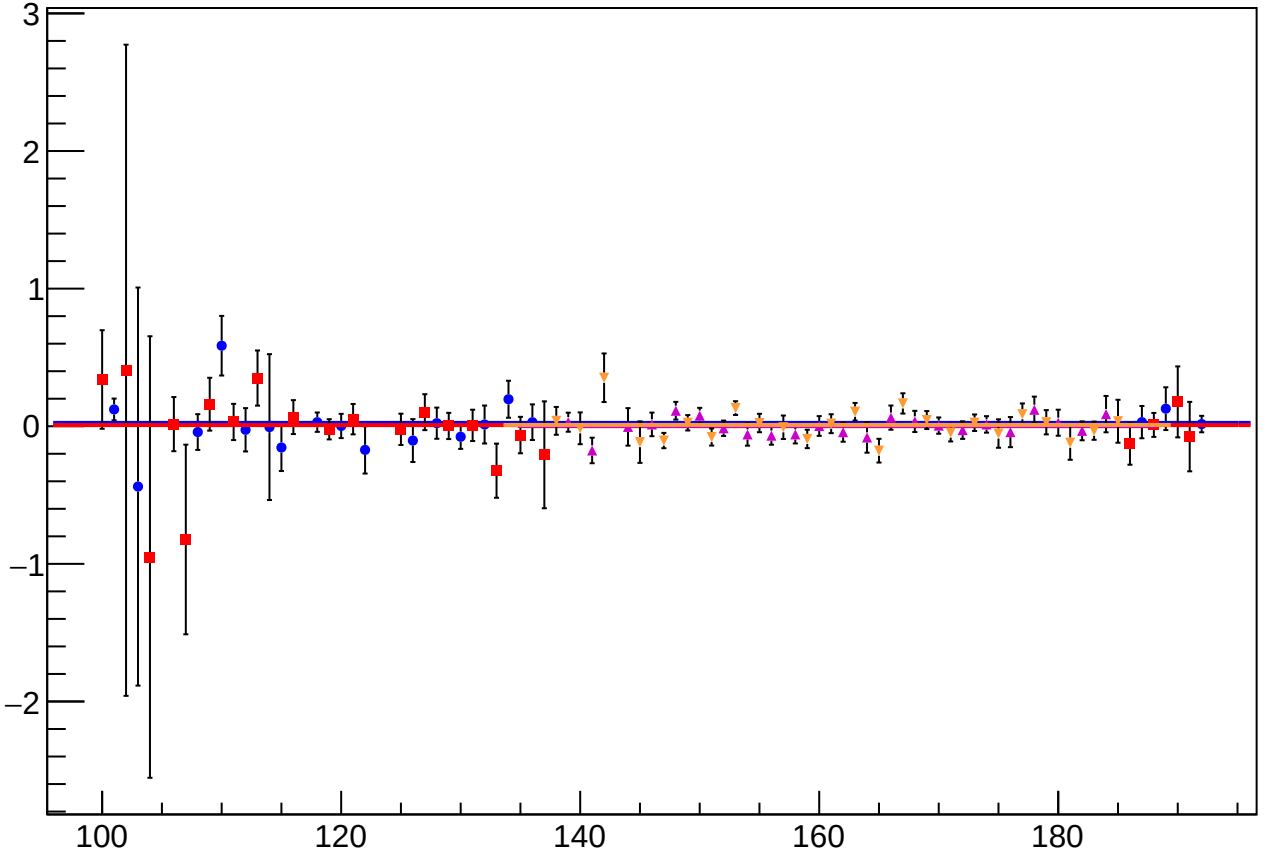
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.557+/-0.009 χ^2/NDF: 4810971.0/42

All: 61.289+/-0.007 χ^2/NDF: 9780140.8/87

- sign 63.222+/-0.010 χ^2/NDF: 4894538.6/44

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



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

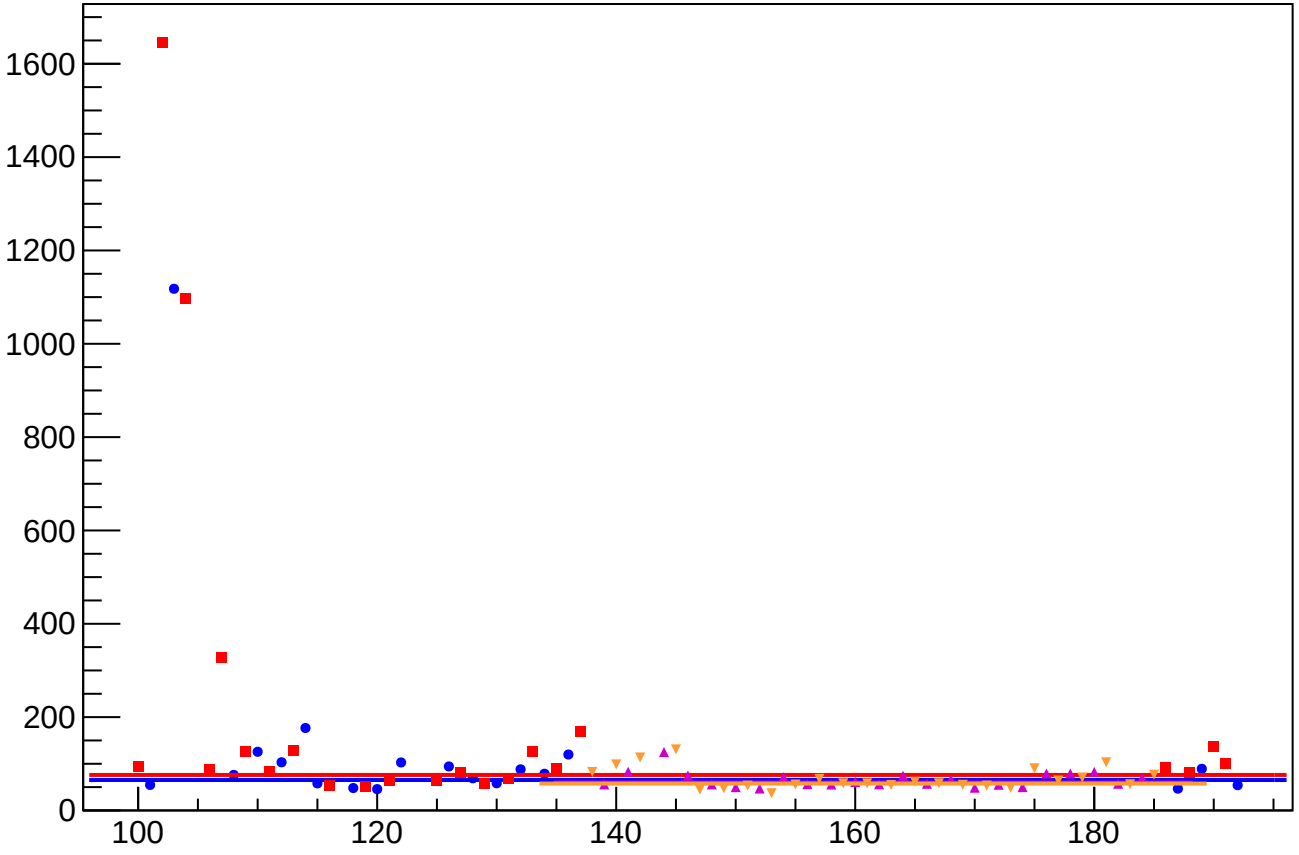
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/42

All: 0.008+/-0.009 χ^2/NDF: 78.4/87

- sign 0.002+/-0.014 χ^2/NDF: 27.8/44

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



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

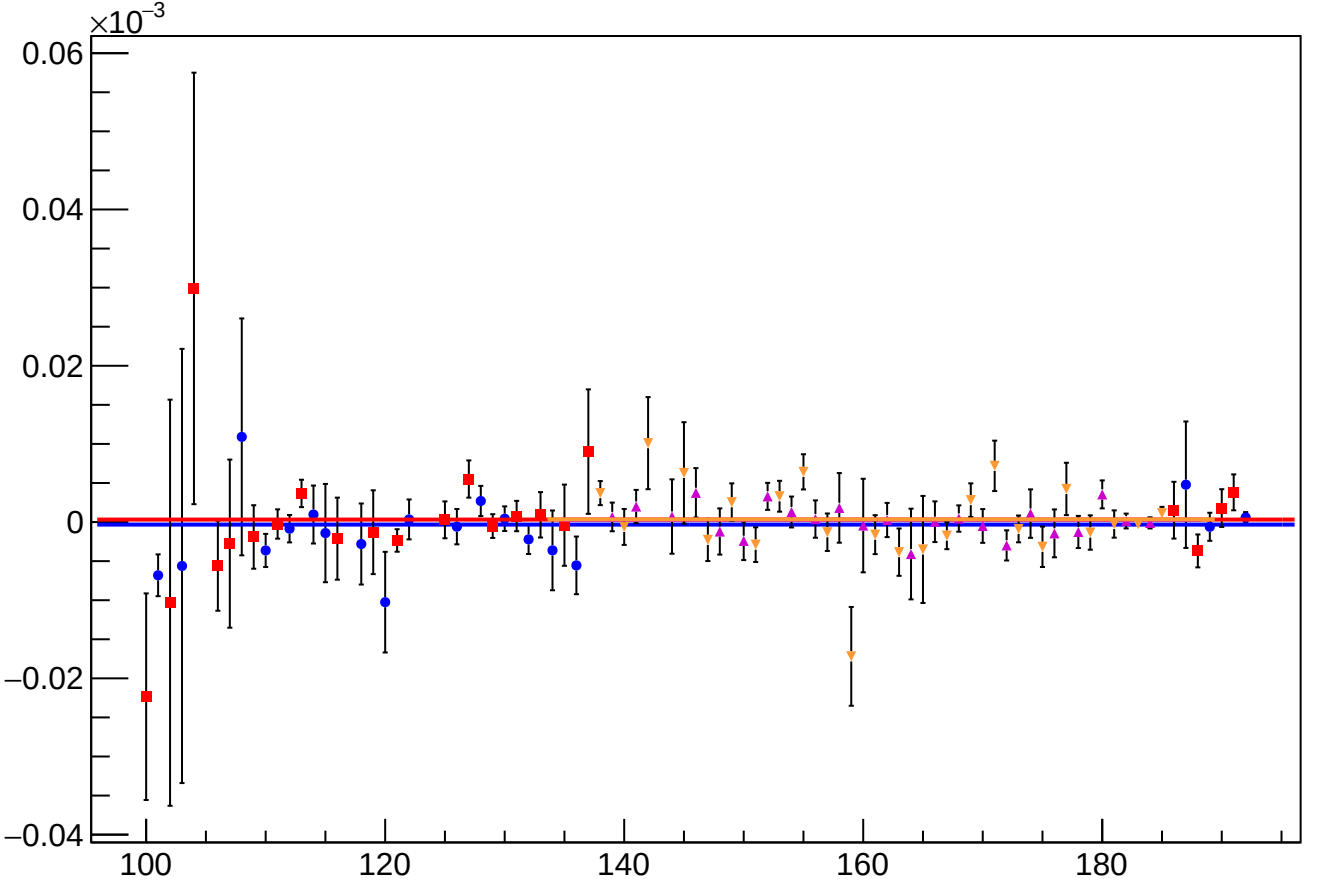
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.557+/-0.009 χ^2/NDF: 4810971.0/42

All: 61.289+/-0.007 χ^2/NDF: 9780140.8/87

- sign 63.222+/-0.010 χ^2/NDF: 4894538.6/44

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



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

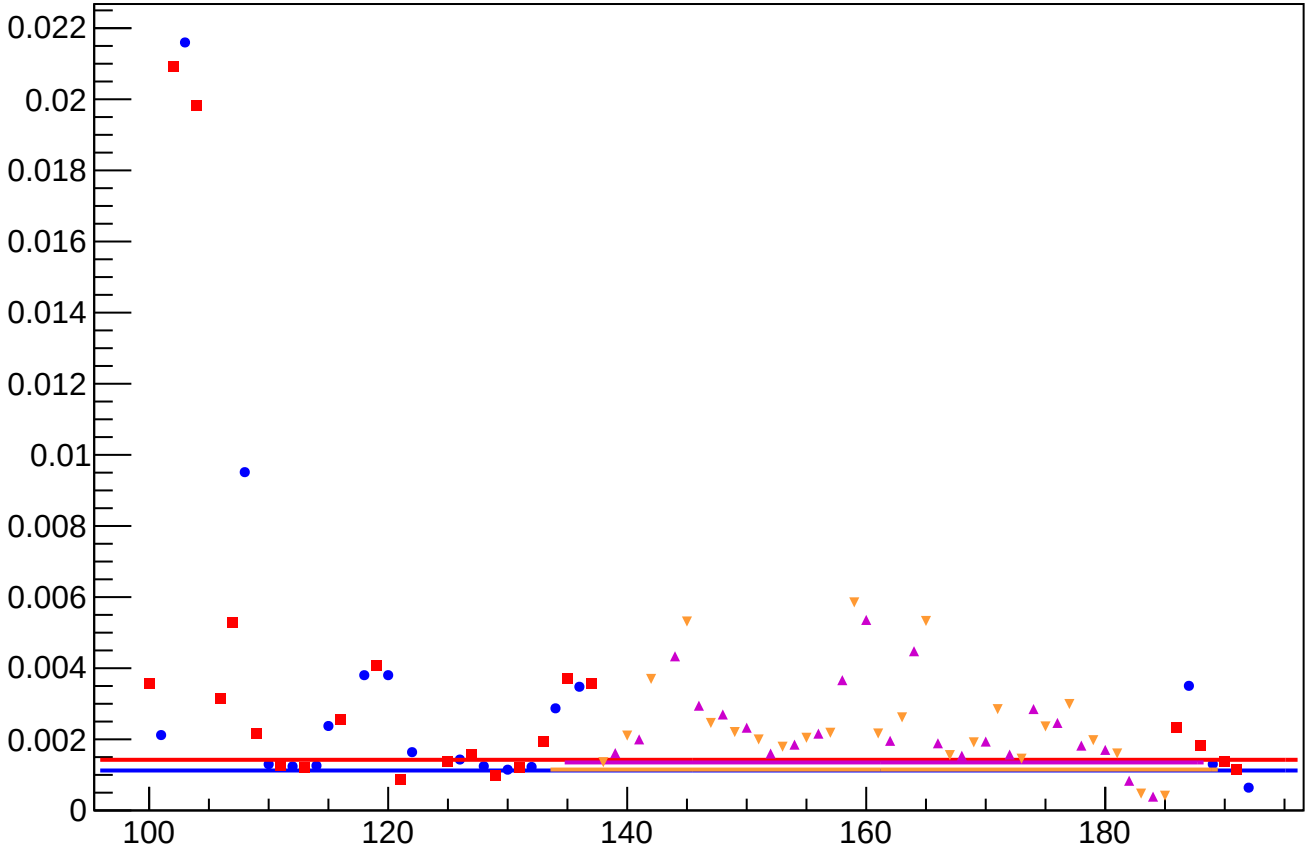
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.2/42

All: 0.000+/-0.000 χ^2/NDF: 109.3/87

- sign 0.000+/-0.000 χ^2/NDF: 40.9/44

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



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

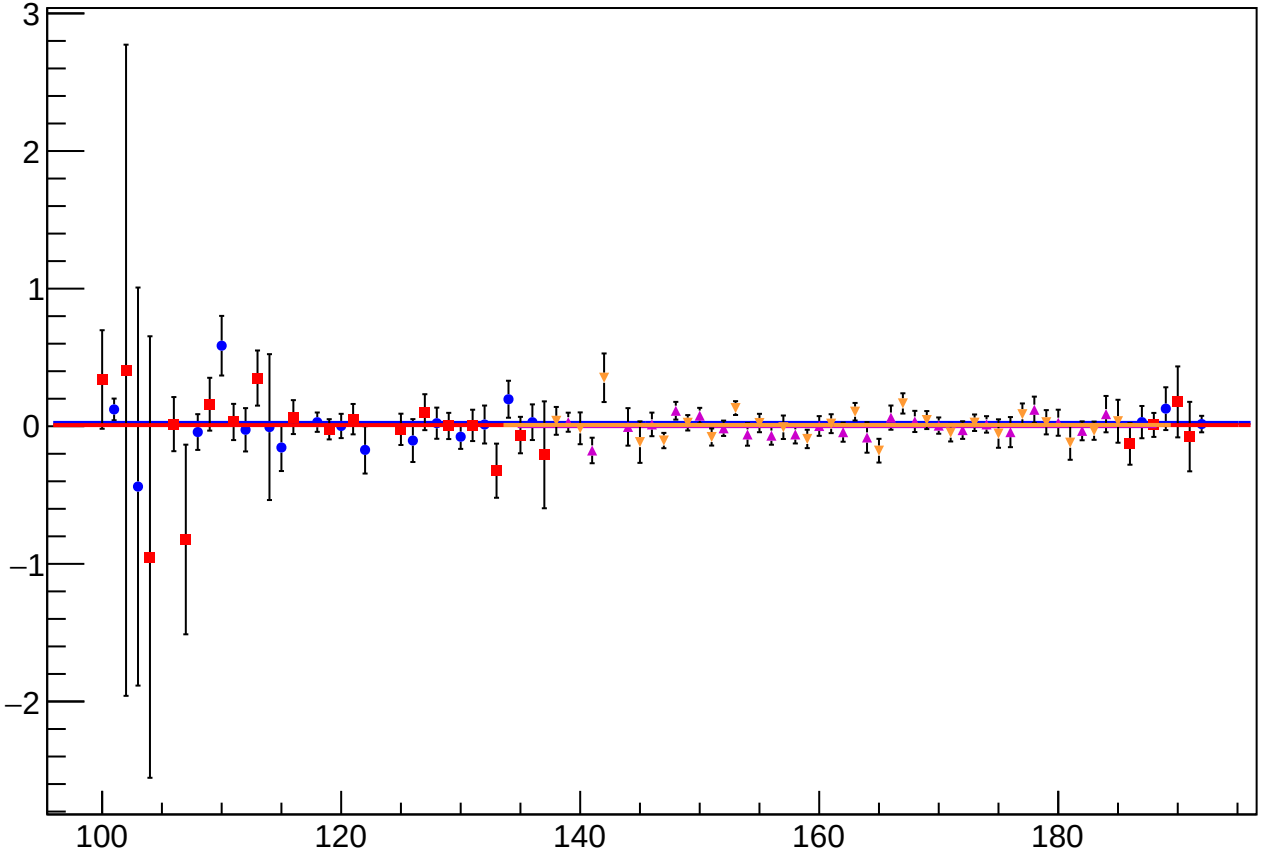
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 18575461.6/42

All: 0.001+/-0.000 χ^2/NDF: 33963982.7/87

- sign 0.001+/-0.000 χ^2/NDF: 14769806.6/44

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



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

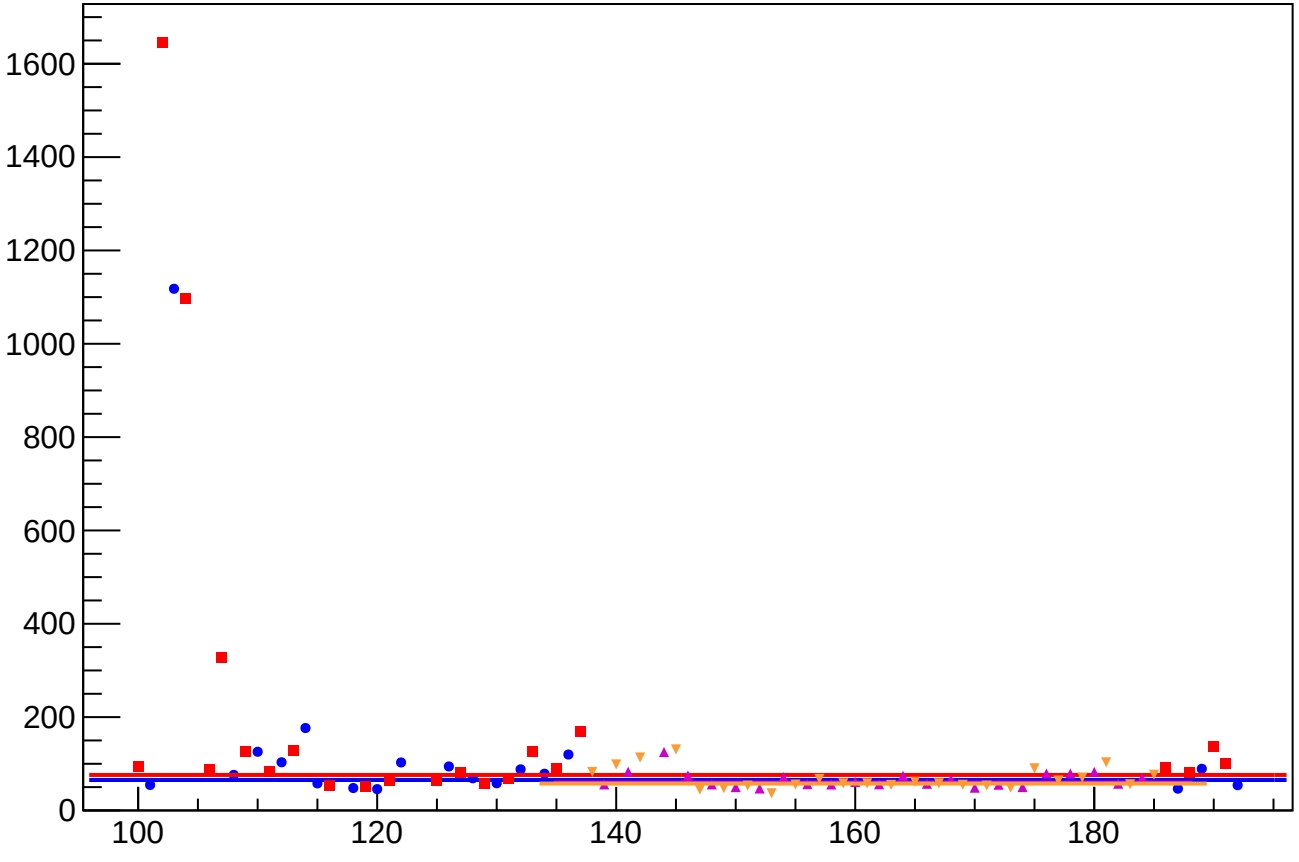
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/42

All: 0.008+/-0.009 χ^2/NDF: 78.4/87

- sign 0.002+/-0.014 χ^2/NDF: 27.8/44

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



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

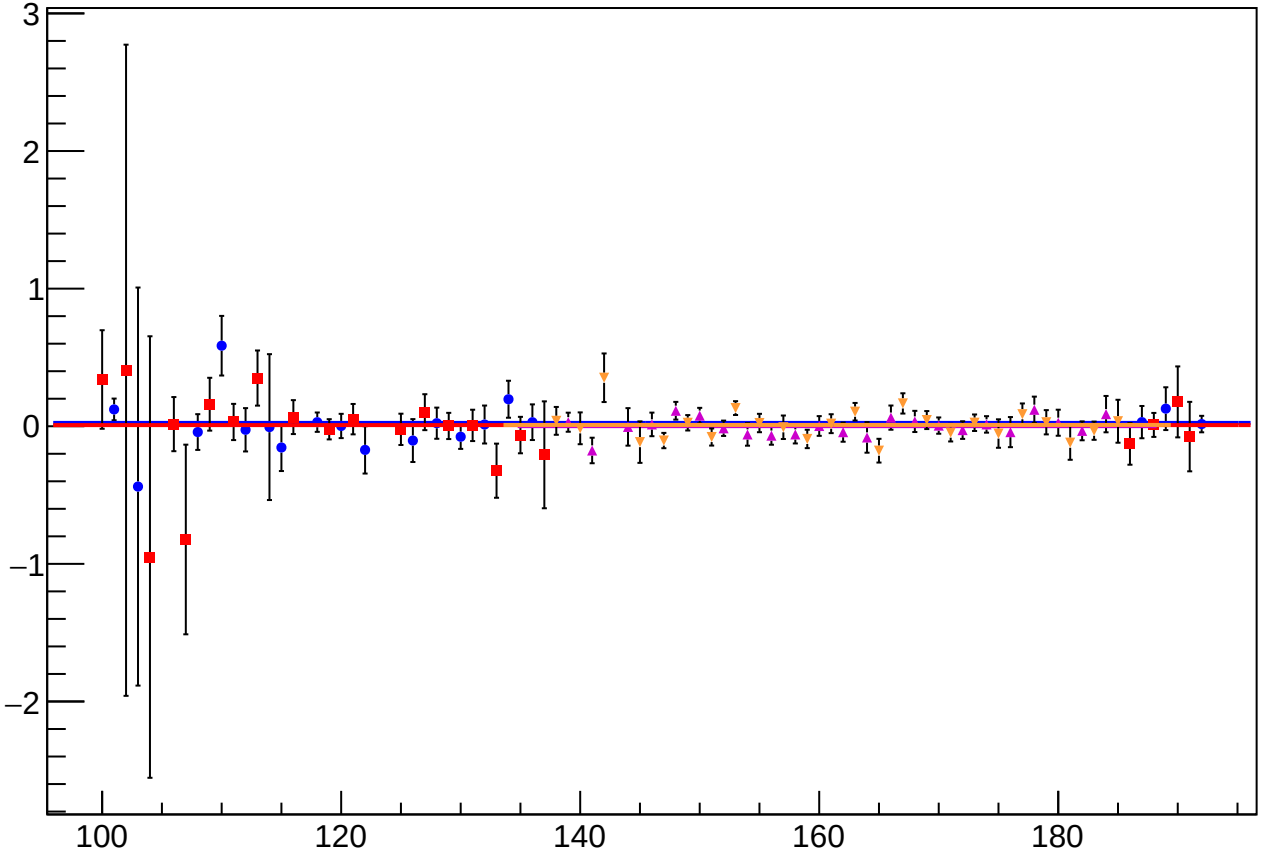
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.556+/-0.009 χ^2/NDF: 4811103.1/42

All: 61.289+/-0.007 χ^2/NDF: 9780247.6/87

- sign 63.223+/-0.010 χ^2/NDF: 4894502.8/44

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

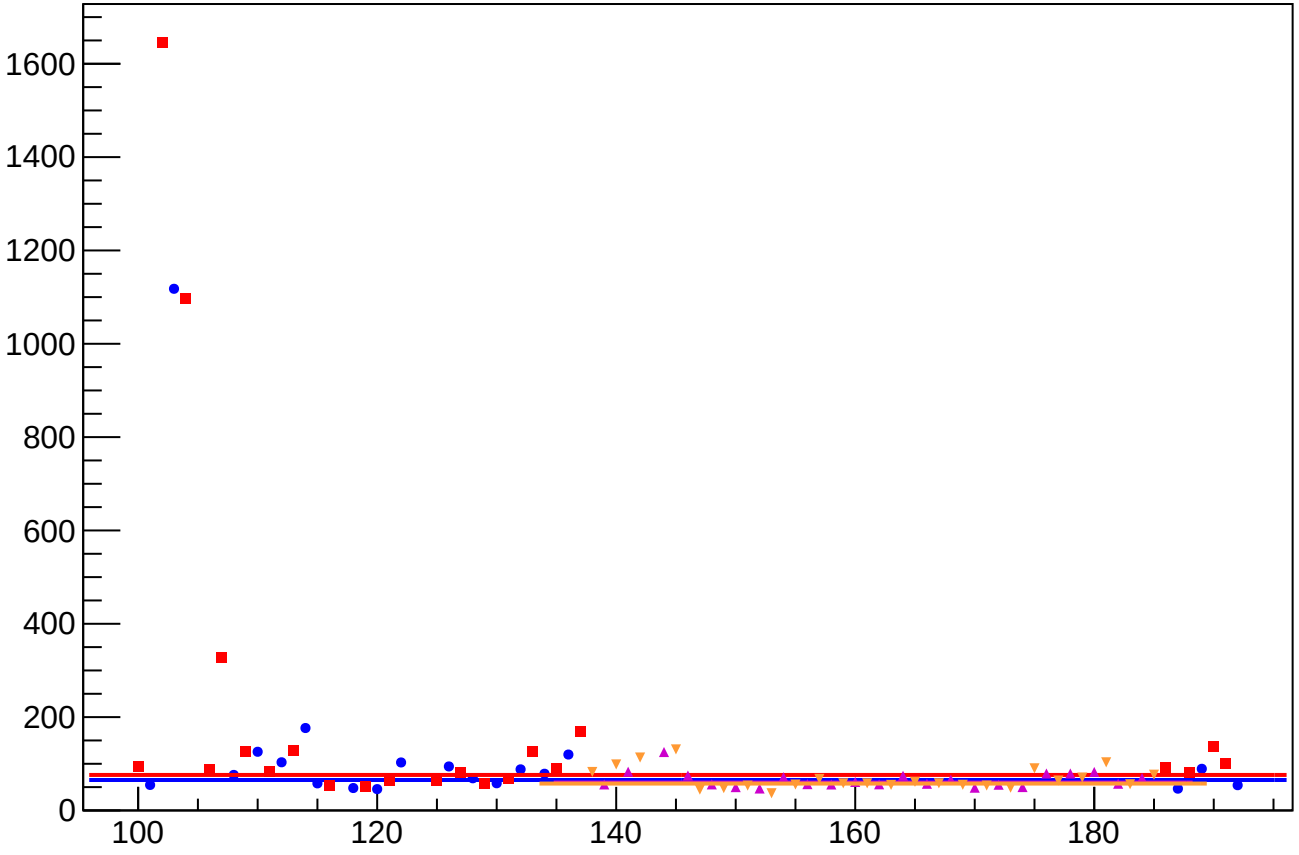
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/42

All: 0.008+/-0.009 χ^2/NDF: 78.4/87

- sign 0.002+/-0.014 χ^2/NDF: 27.8/44

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

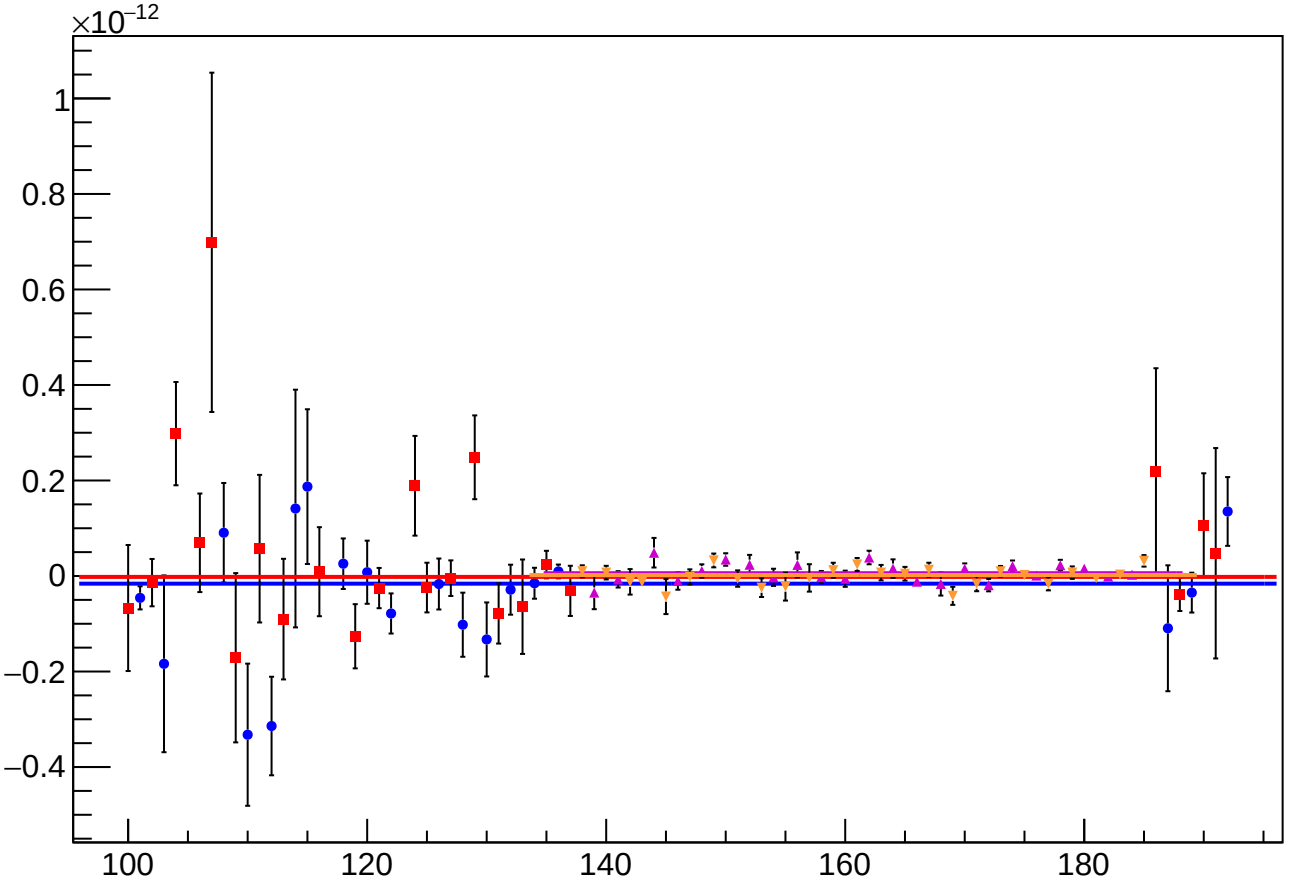
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.556+/-0.009 χ^2/NDF: 4811103.1/42

All: 61.289+/-0.007 χ^2/NDF: 9780247.6/87

- sign 63.223+/-0.010 χ^2/NDF: 4894502.8/44

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

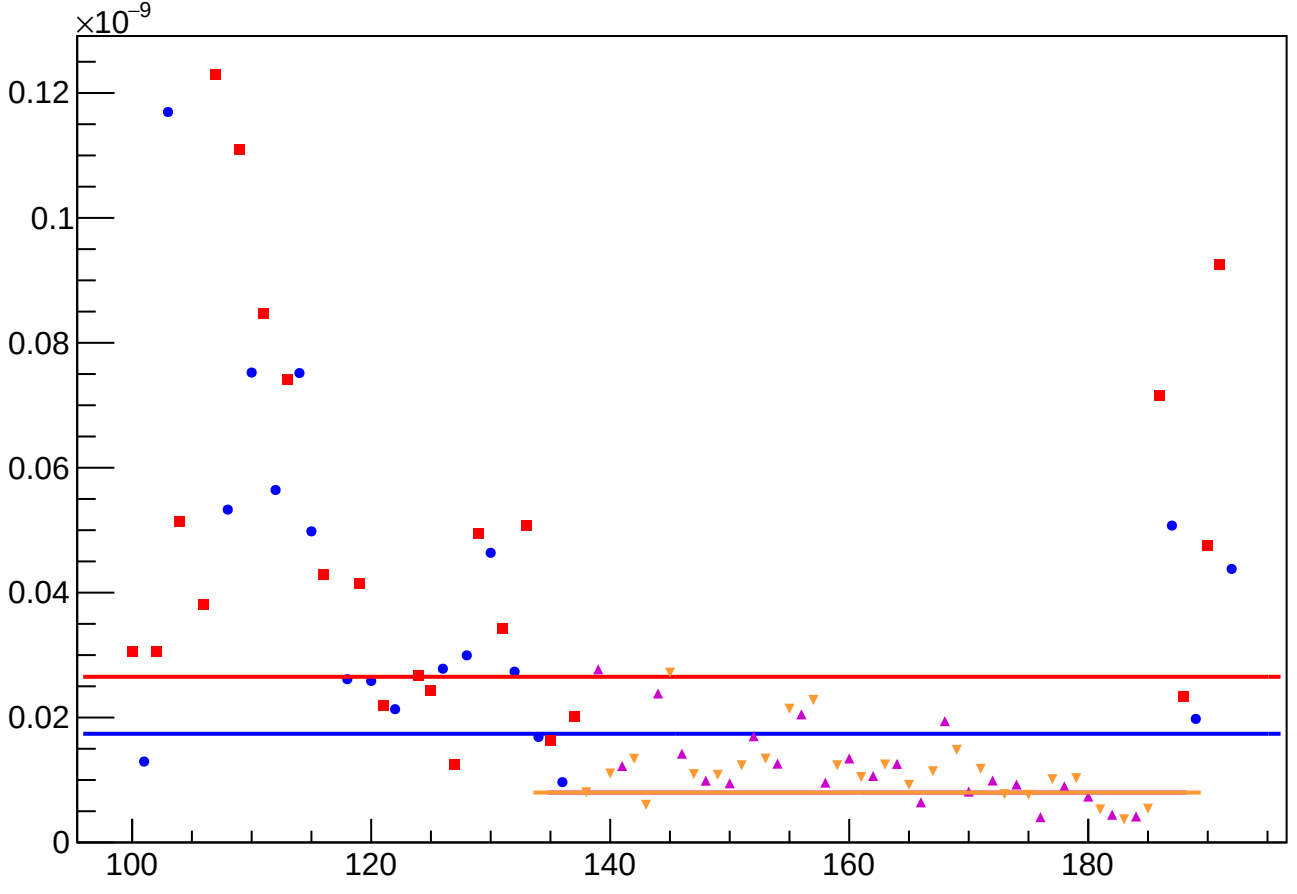
Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/22

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.6/43

All: 0.000+/-0.000 χ^2/NDF: 139.0/89

- sign 0.000+/-0.000 χ^2/NDF: 68.5/45



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

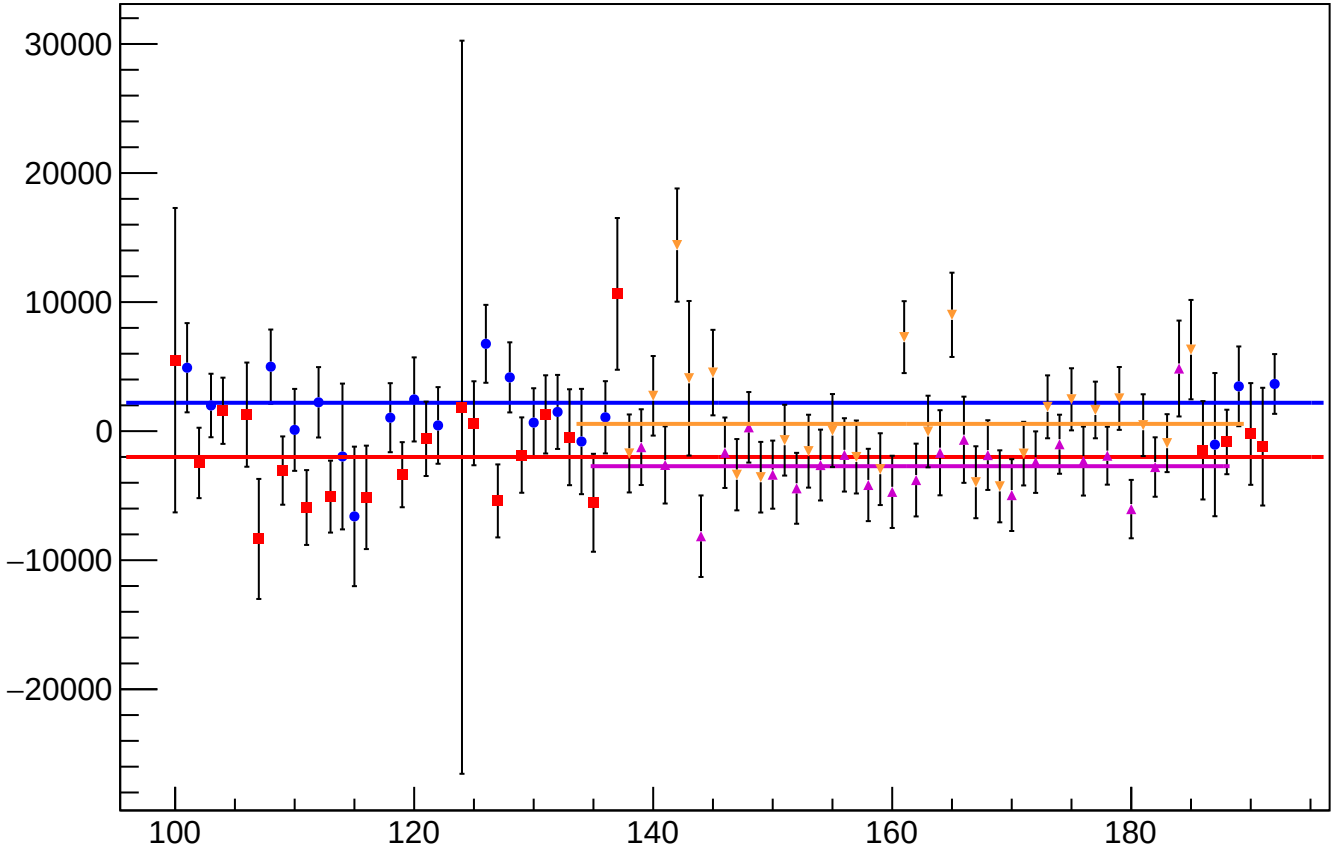
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9931169.5/43

All: 0.000+/-0.000 χ^2/NDF: 21725515.0/89

- sign 0.000+/-0.000 χ^2/NDF: 11792749.0/45

reg_asym_atl2_mean vs Slug



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

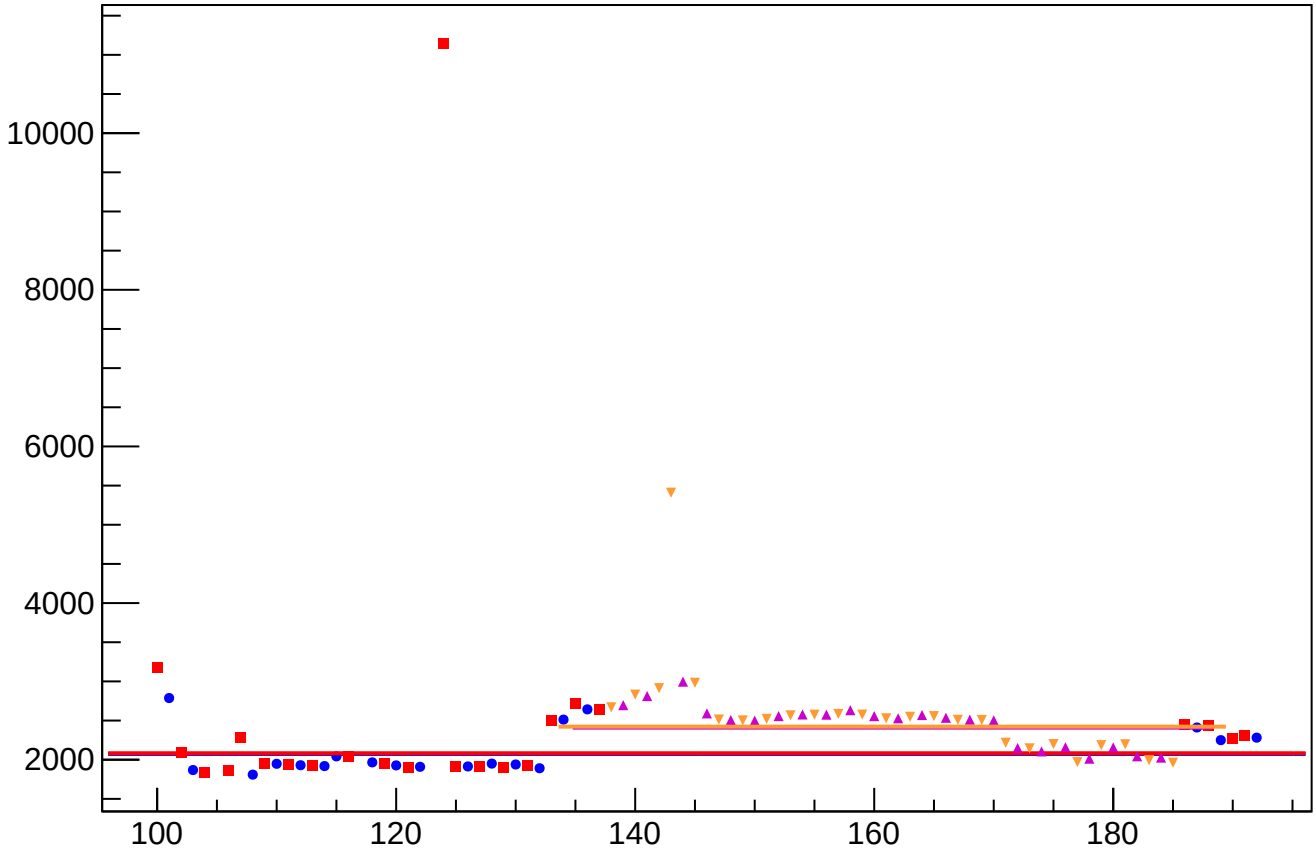
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1195.929+/-436.229 χ^2/NDF: 57.8/43

All: -609.134+/-309.125 χ^2/NDF: 125.9/89

- sign -2429.844+/-438.115 χ^2/NDF: 33.6/45

reg_asym_atl2_rms vs Slug



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

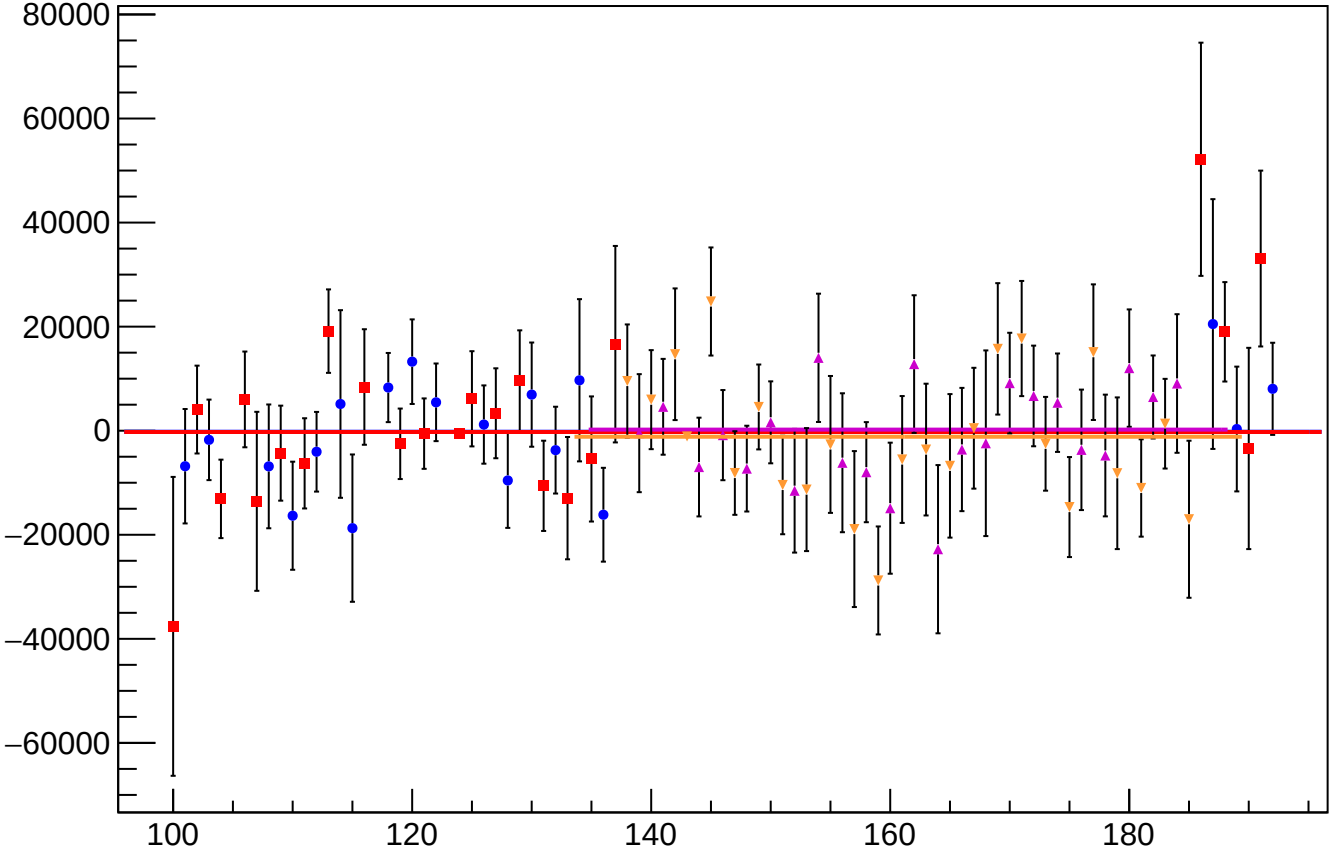
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.295+/-0.308 χ^2/NDF: 1553577.4/43

All: 2282.819+/-0.219 χ^2/NDF: 2723929.6/89

- sign 2278.305+/-0.310 χ^2/NDF: 1169929.3/45

asym_atl2_reg_correction_mean vs Slug



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

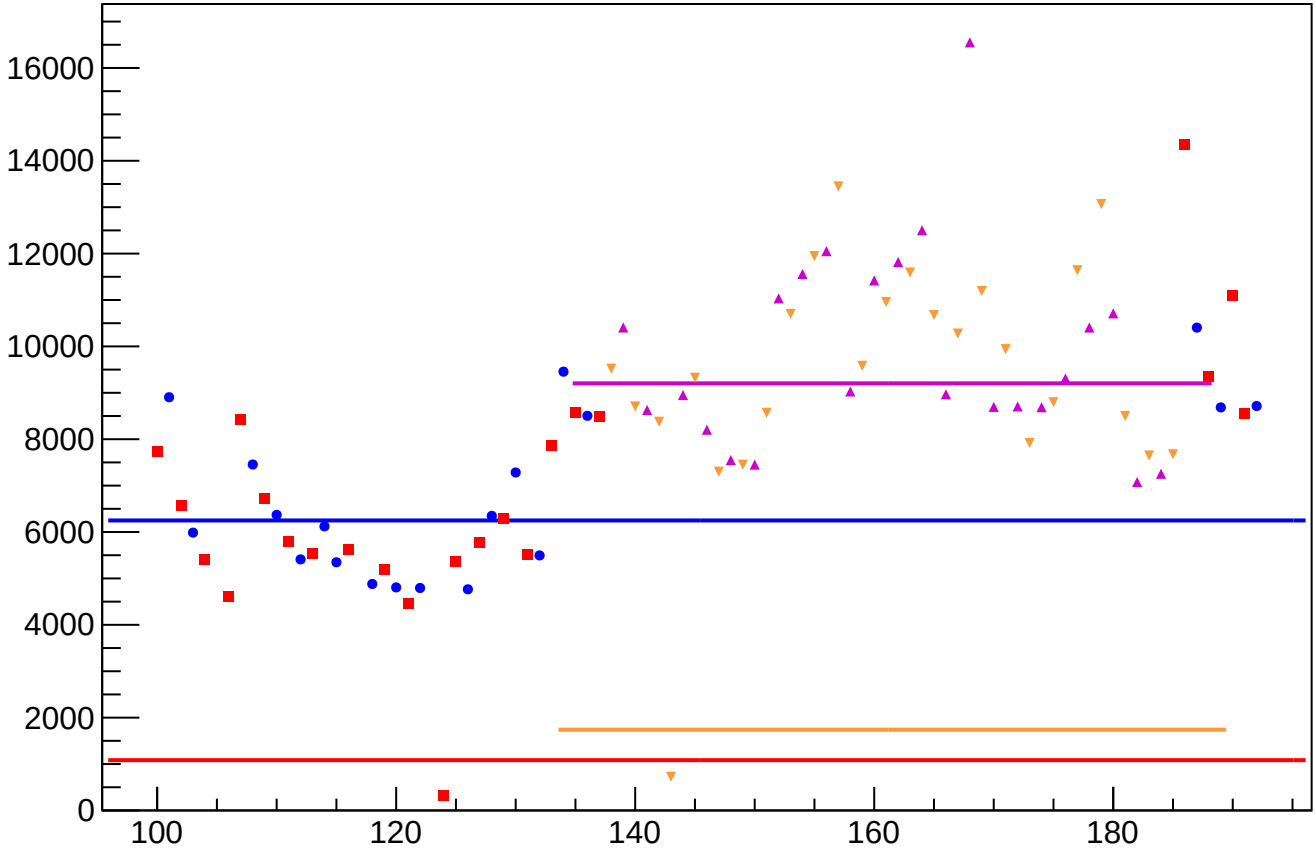
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1053.141+/-715.116 χ^2/NDF: 49.2/43

All: -629.367+/-507.917 χ^2/NDF: 95.3/89

- sign -197.952+/-721.533 χ^2/NDF: 45.5/45

asym_atl2_reg_correction_rms vs Slug



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

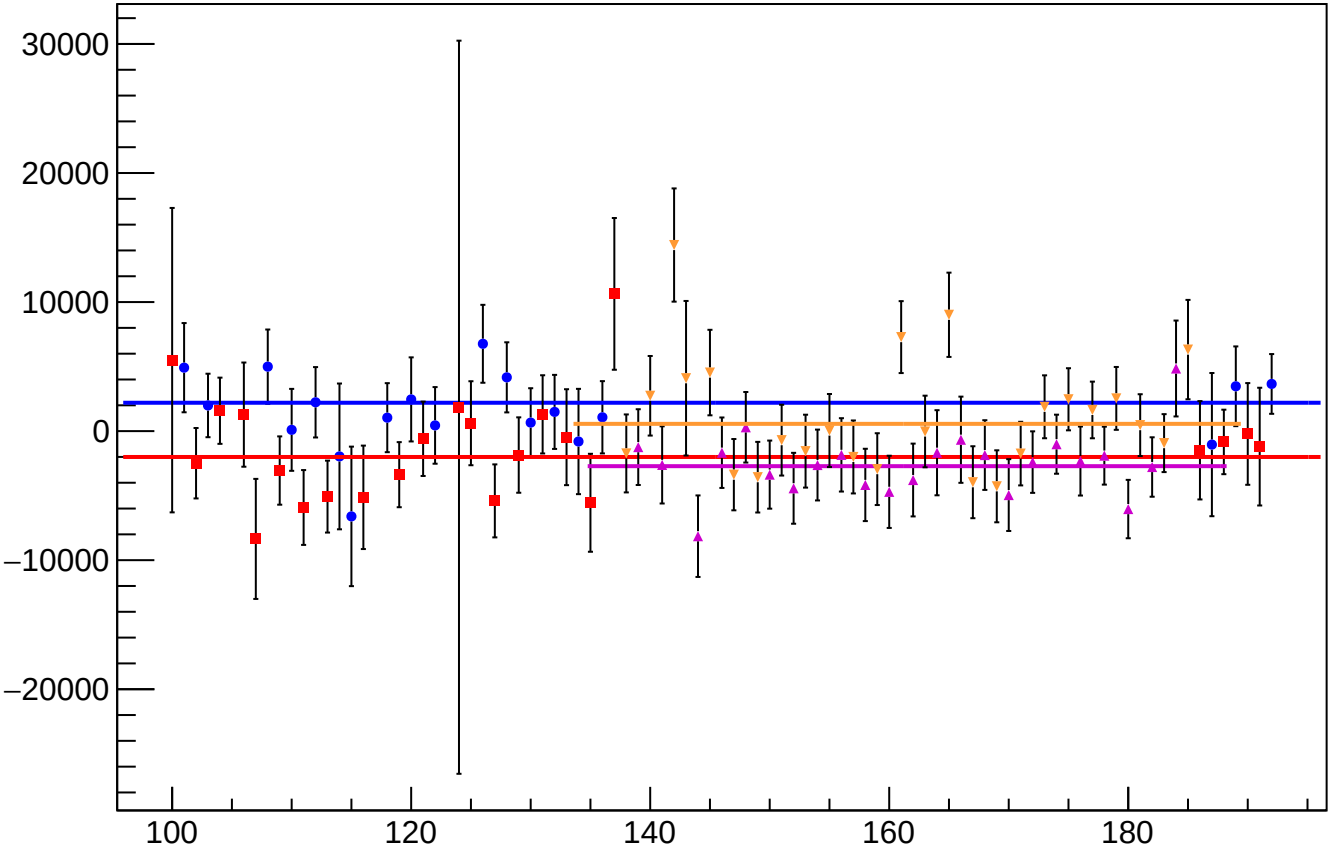
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2233.400+/-0.506 χ^2/NDF: 36507713.6/43

All: 2098.397+/-0.359 χ^2/NDF: 76910352.3/8

- sign 1960.960+/-0.510 χ^2/NDF: 40258794.3/45

cor_asym_atl2_mean vs Slug



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

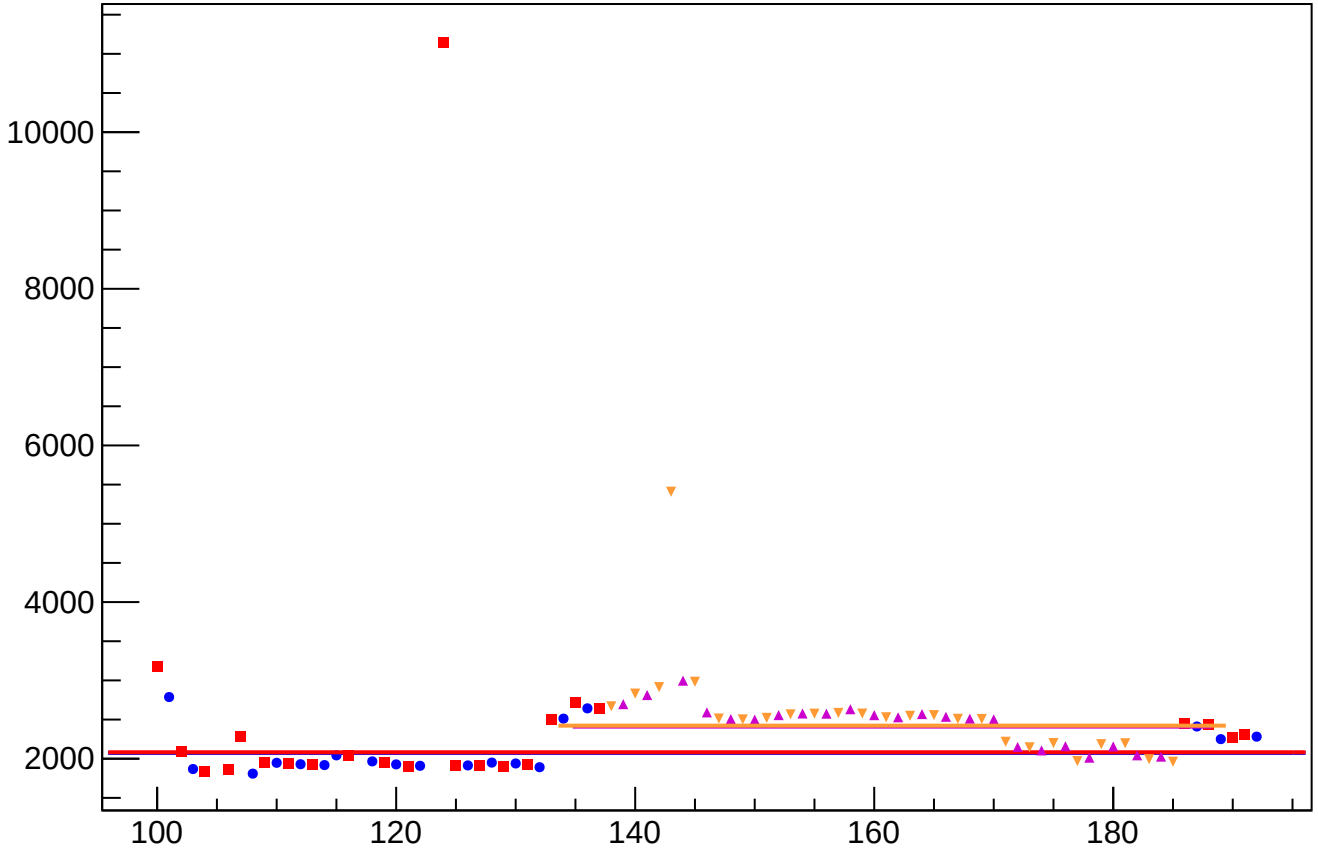
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1195.976+/-436.229 χ^2/NDF: 57.8/43

All: -609.398+/-309.126 χ^2/NDF: 125.9/89

- sign -2430.434+/-438.117 χ^2/NDF: 33.6/45

cor_asym_atl2_rms vs Slug



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

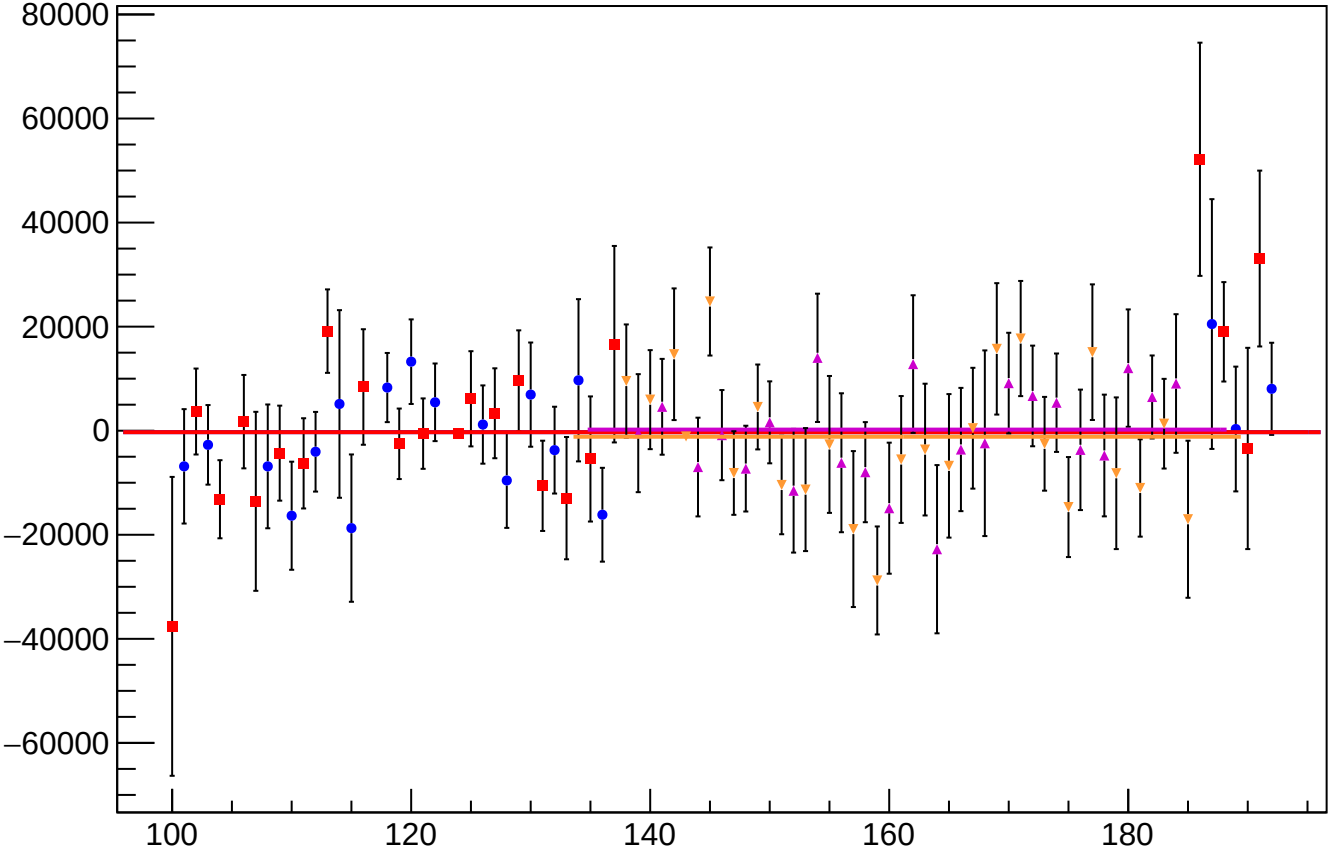
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.295+/-0.308 χ^2/NDF: 1553577.5/43

All: 2282.824+/-0.219 χ^2/NDF: 2723897.3/89

- sign 2278.314+/-0.310 χ^2/NDF: 1169897.7/45

asym_atl2_cor_correction_mean vs Slug



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

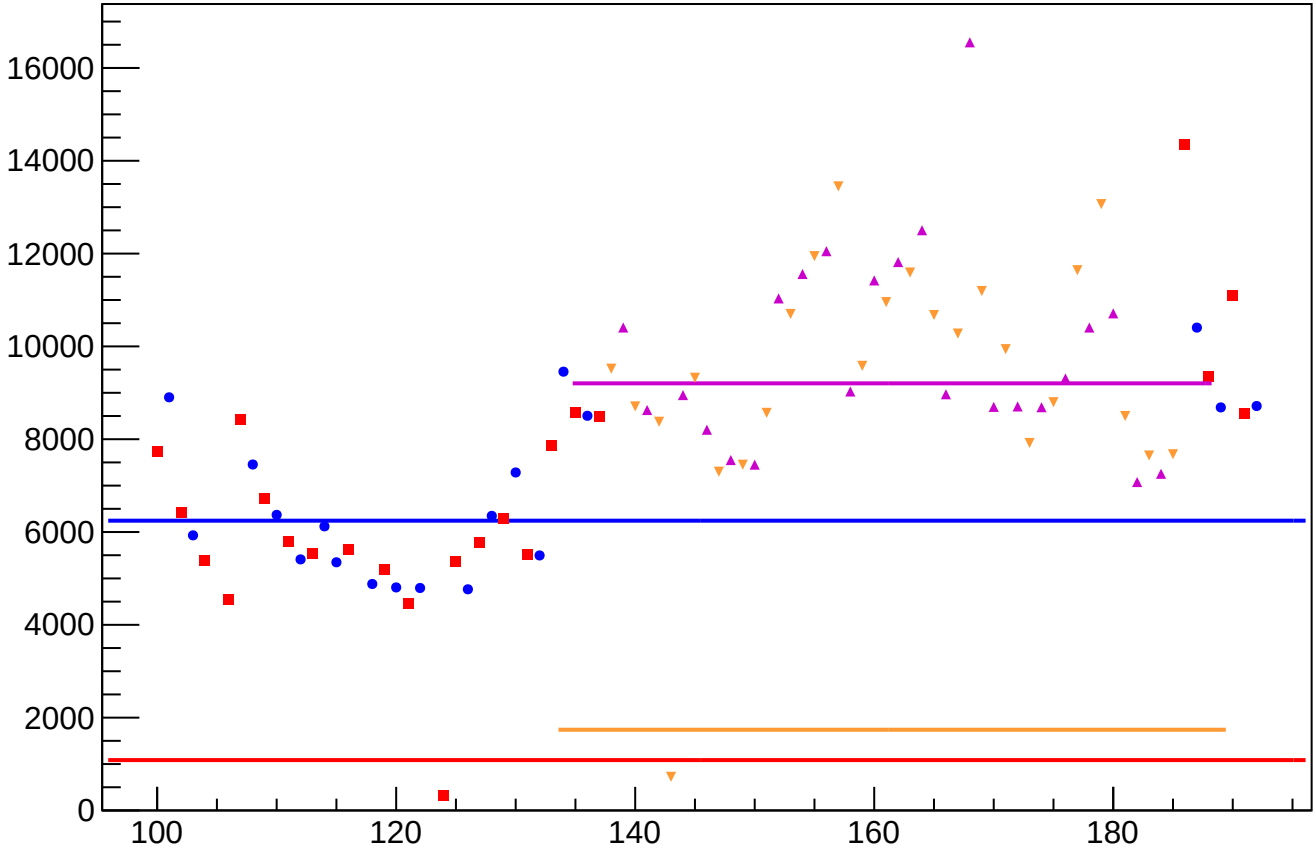
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1061.548+/-714.989 χ^2/NDF: 49.2/43

All: -648.203+/-507.773 χ^2/NDF: 95.0/89

- sign -227.584+/-721.252 χ^2/NDF: 45.1/45

asym_atl2_cor_correction_rms vs Slug



Right In: 6244.393+/-1.527 χ^2/NDF: 1020138.8/18

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

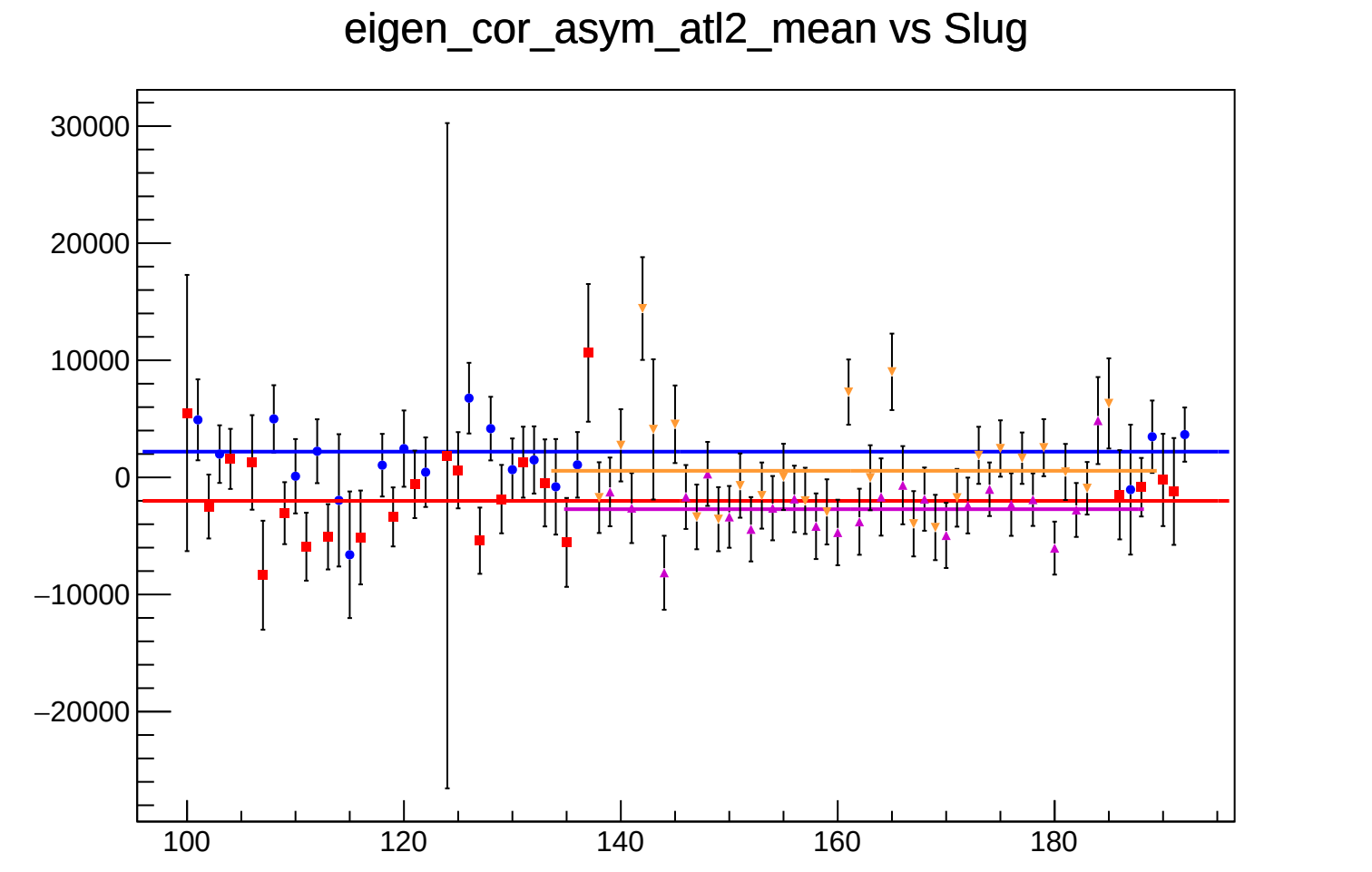
Right Out: 1085.205+/-0.540 χ^2/NDF: 14569382.8/22

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2233.366+/-0.506 χ^2/NDF: 36505797.3/43

All: 2098.729+/-0.359 χ^2/NDF: 76895226.6/8

- sign 1961.723+/-0.510 χ^2/NDF: 40246344.5/45



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

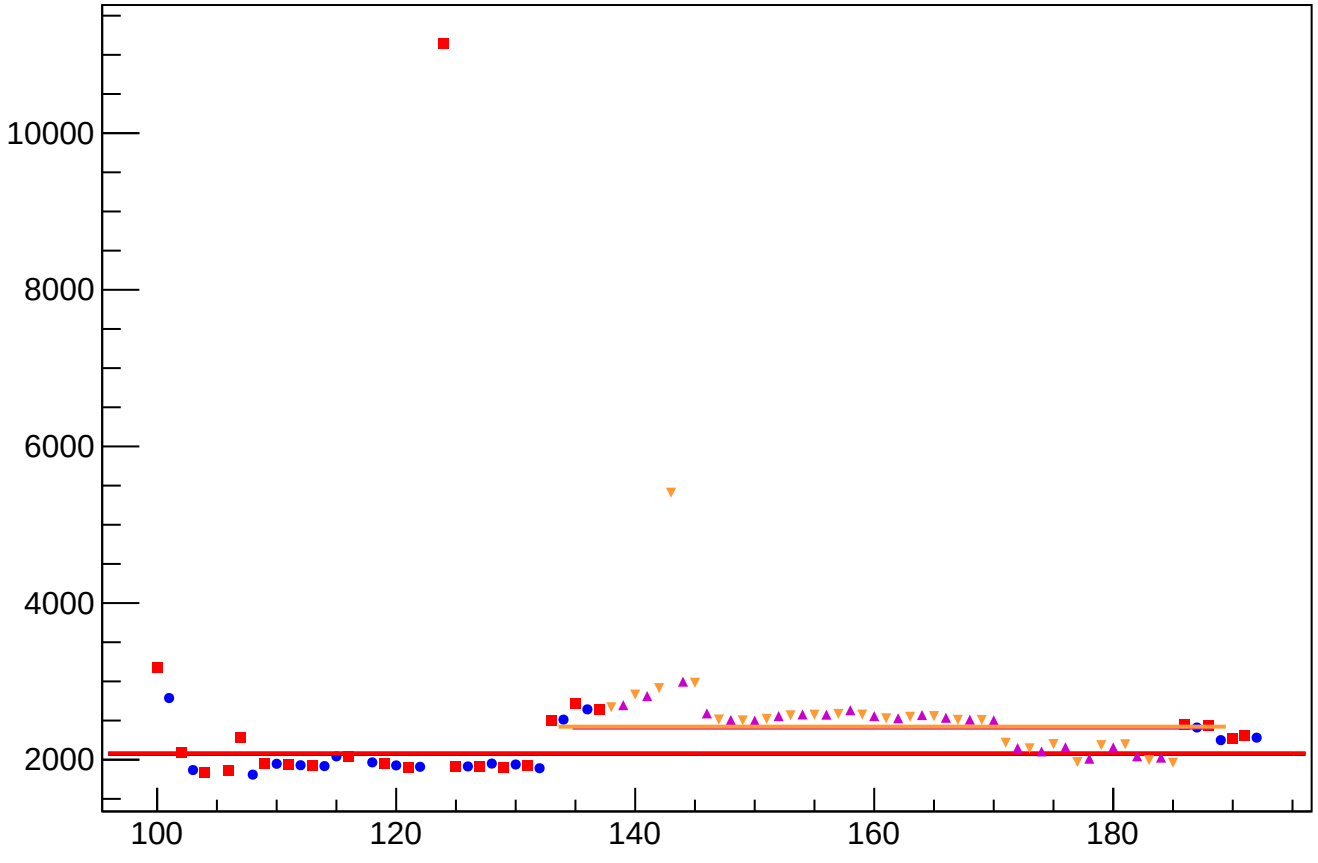
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1195.976+/-436.229 χ^2/NDF: 57.8/43

All: -609.398+/-309.126 χ^2/NDF: 125.9/89

- sign -2430.434+/-438.117 χ^2/NDF: 33.6/45

eigen_cor_asym_atl2_rms vs Slug



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

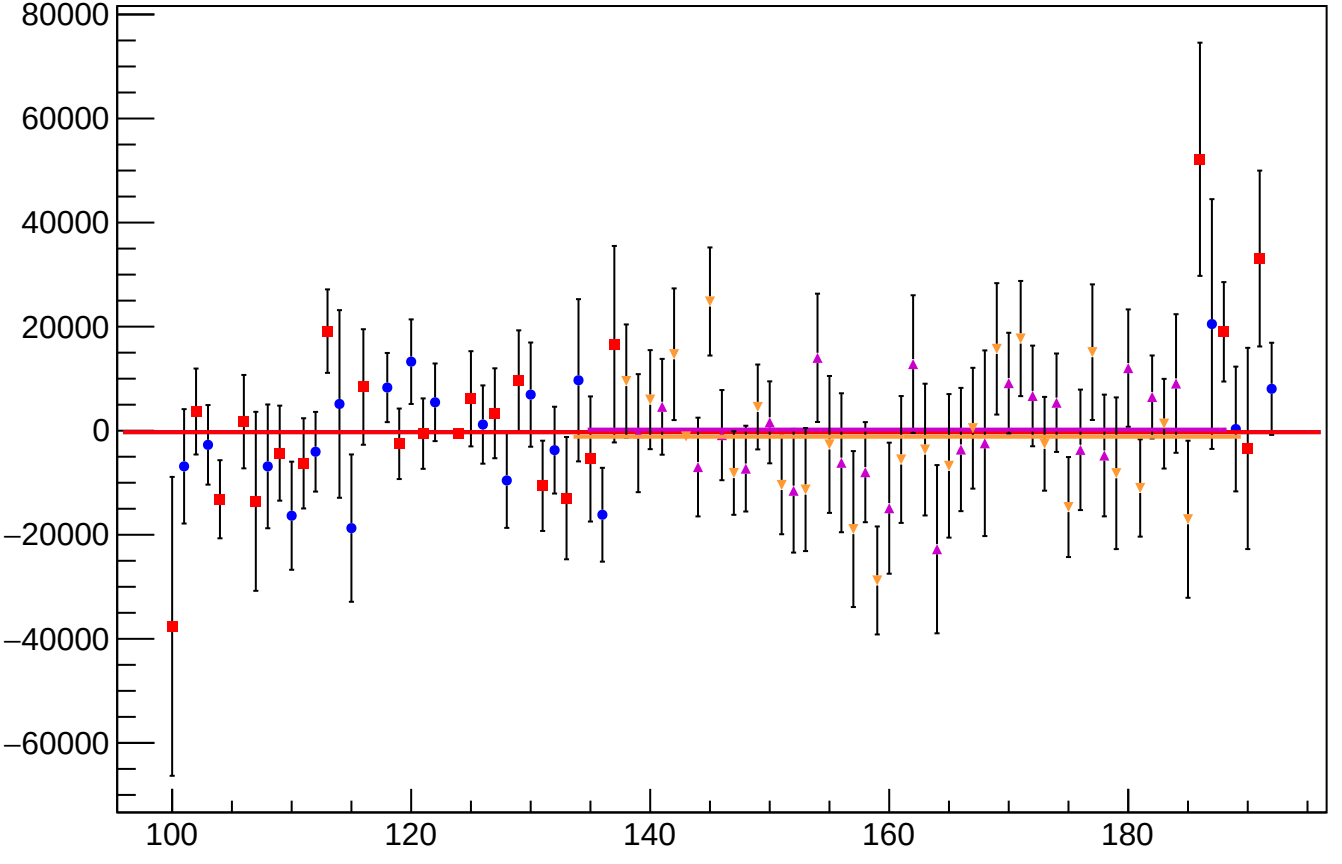
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.295+/-0.308 χ^2/NDF: 1553577.5/43

All: 2282.824+/-0.219 χ^2/NDF: 2723897.3/89

- sign 2278.314+/-0.310 χ^2/NDF: 1169897.7/45

asym_atl2_eigen_cor_correction_mean vs Slug



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

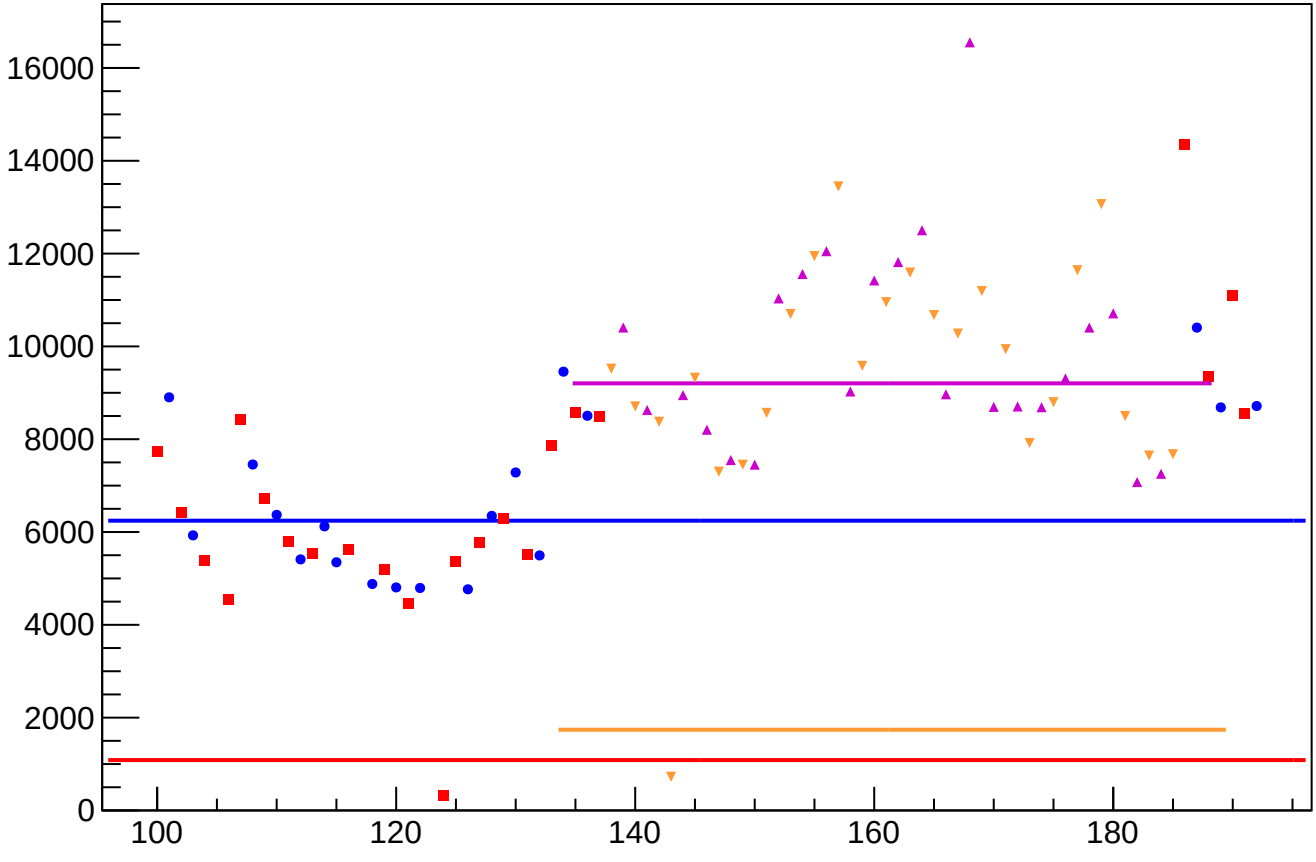
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1061.548+/-714.989 χ^2/NDF: 49.2/43

All: -648.203+/-507.773 χ^2/NDF: 95.0/89

- sign -227.584+/-721.252 χ^2/NDF: 45.1/45

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 6244.393+/-1.527 χ^2/NDF: 1020138.8/18

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

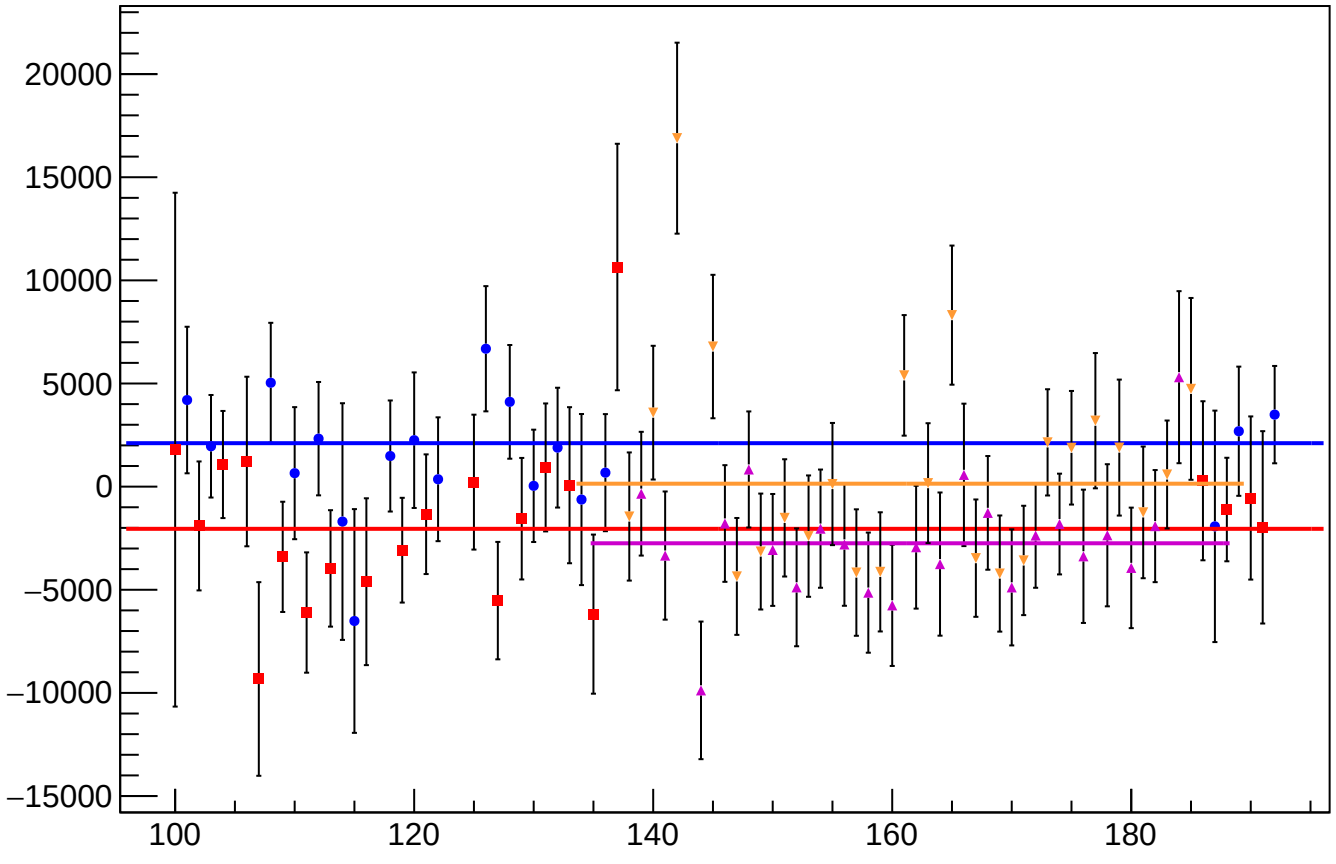
Right Out: 1085.205+/-0.540 χ^2/NDF: 14569382.8/22

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2233.366+/-0.506 χ^2/NDF: 36505797.3/43

All: 2098.729+/-0.359 χ^2/NDF: 76895226.6/8

- sign 1961.723+/-0.510 χ^2/NDF: 40246344.5/45



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

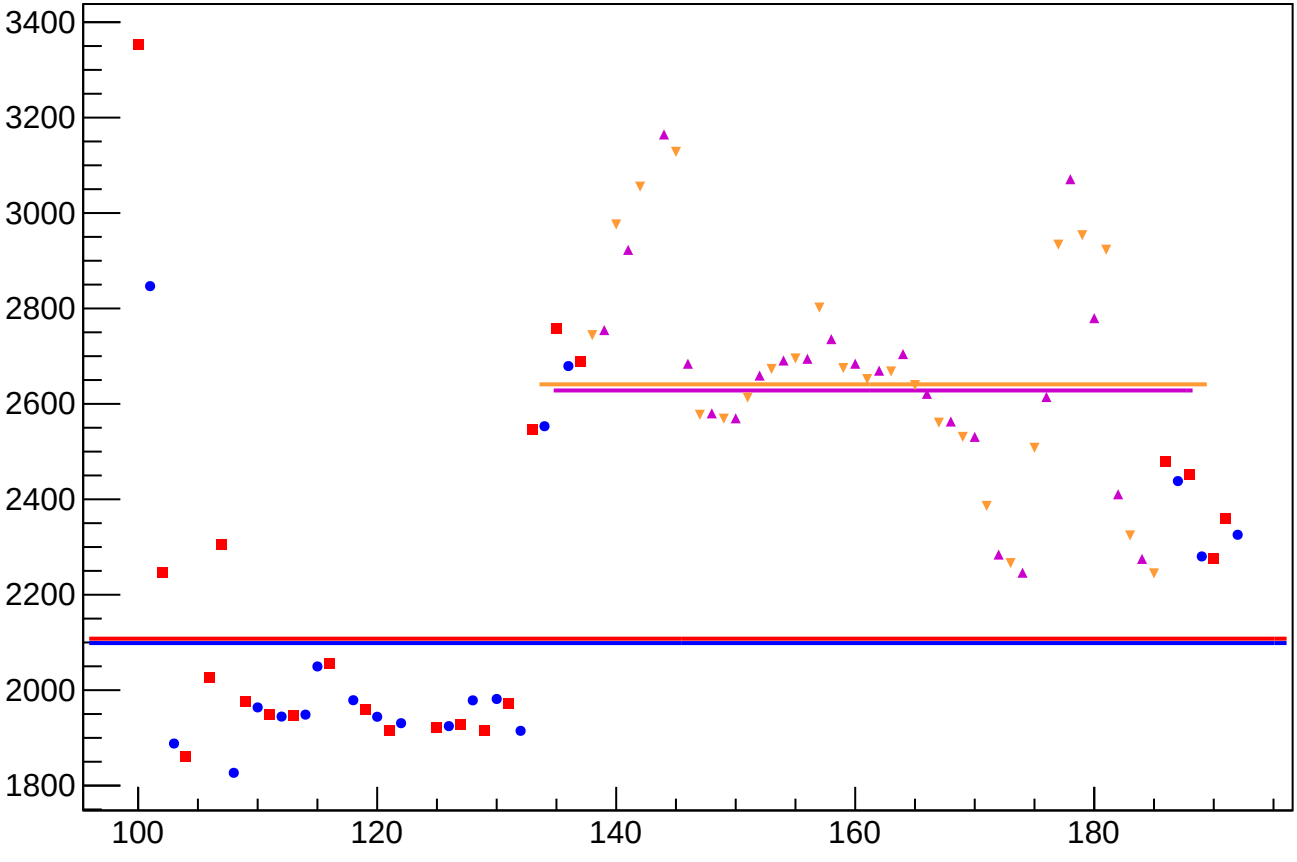
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 985.808+/-465.133 χ^2/NDF: 60.1/42

All: -733.583+/-328.382 χ^2/NDF: 120.7/87

- sign -2442.222+/-463.676 χ^2/NDF: 33.4/44

dit_asym_atl2_rms vs Slug



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

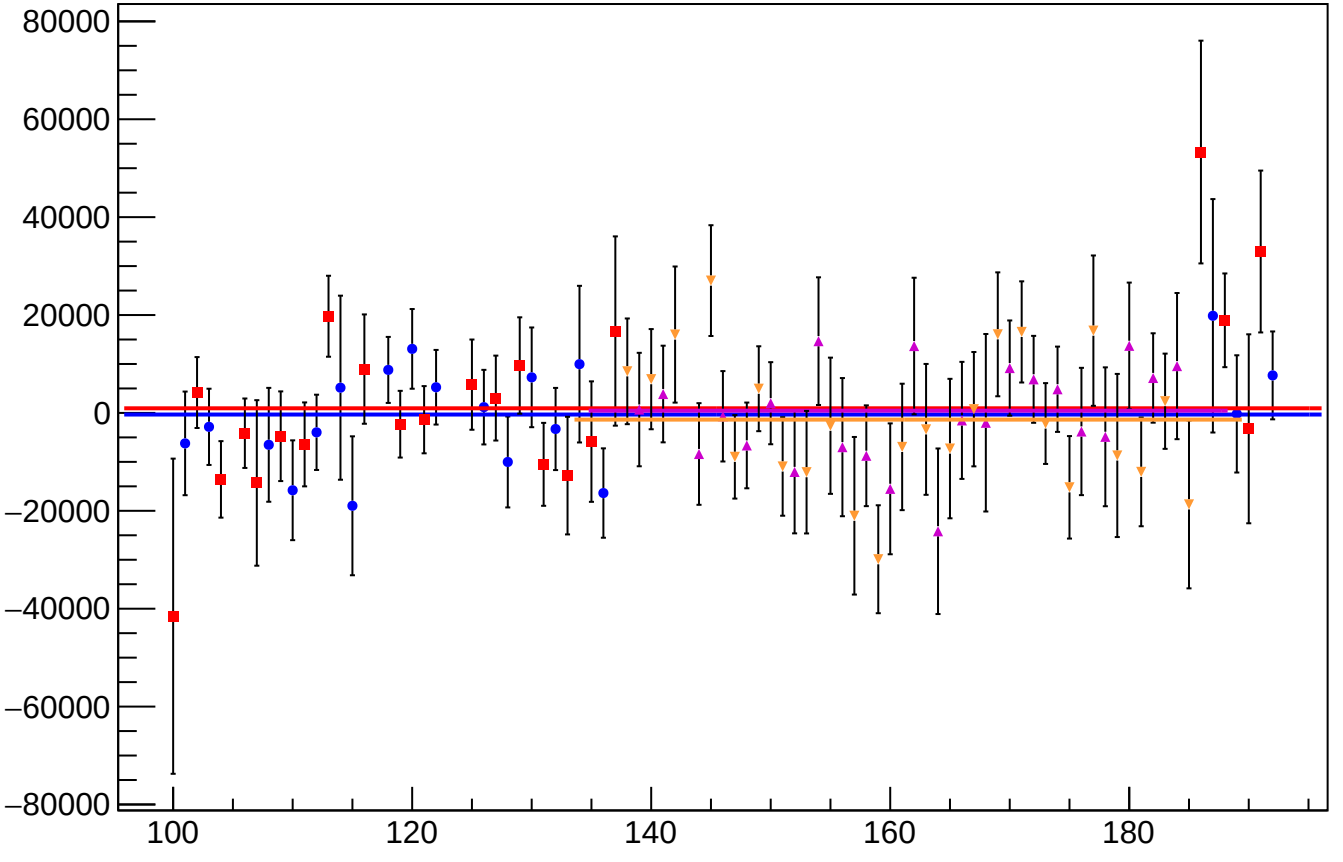
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2408.165+/-0.329 χ^2/NDF: 1228316.9/42

All: 2405.183+/-0.232 χ^2/NDF: 2359693.0/87

- sign 2402.224+/-0.328 χ^2/NDF: 1131212.4/44

asym_atl2_dit_correction_mean vs Slug



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

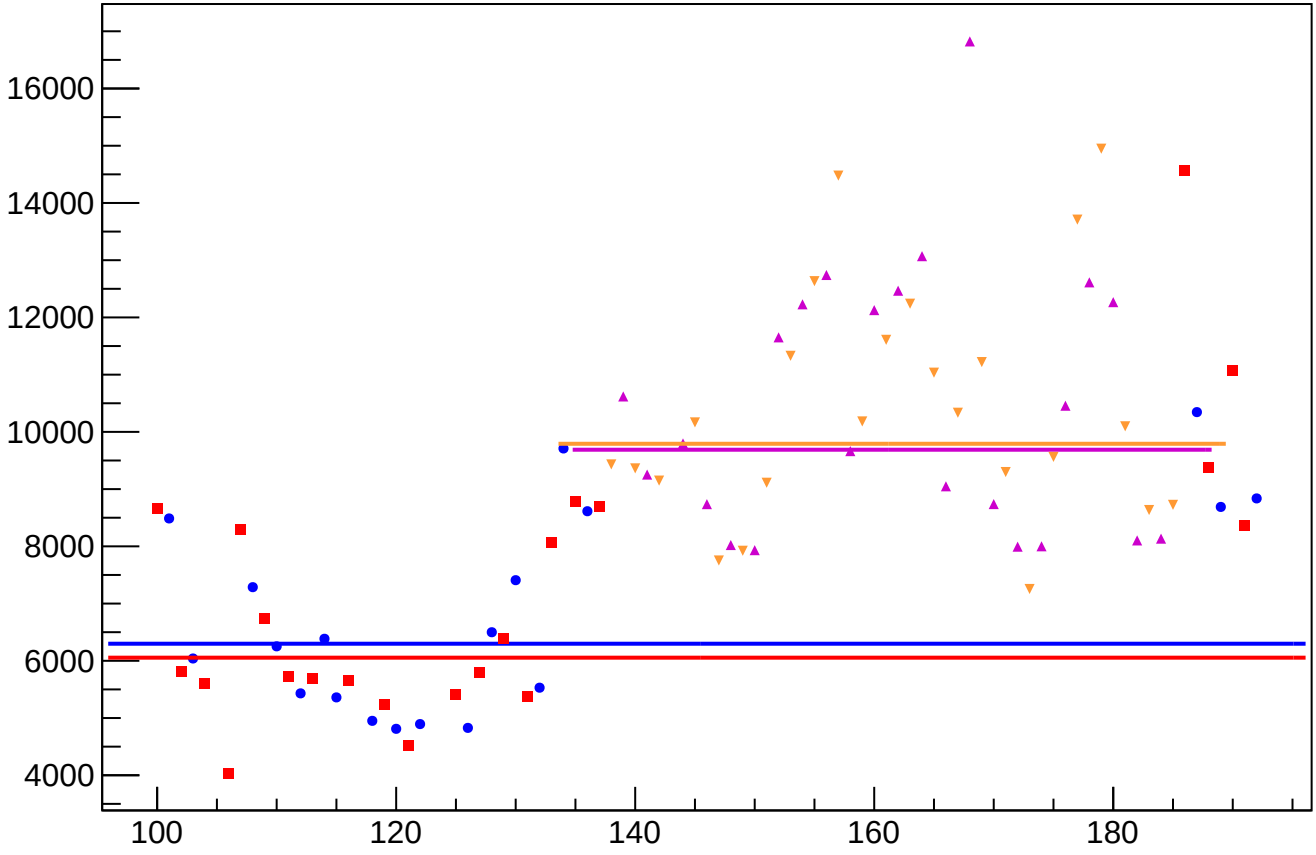
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -813.330+/-1589.414 χ^2/NDF: 48.3/42

All: -15.766+/-1105.761 χ^2/NDF: 93.6/87

- sign 732.347+/-1539.352 χ^2/NDF: 44.8/44

asym_atl2_dit_correction_rms vs Slug



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

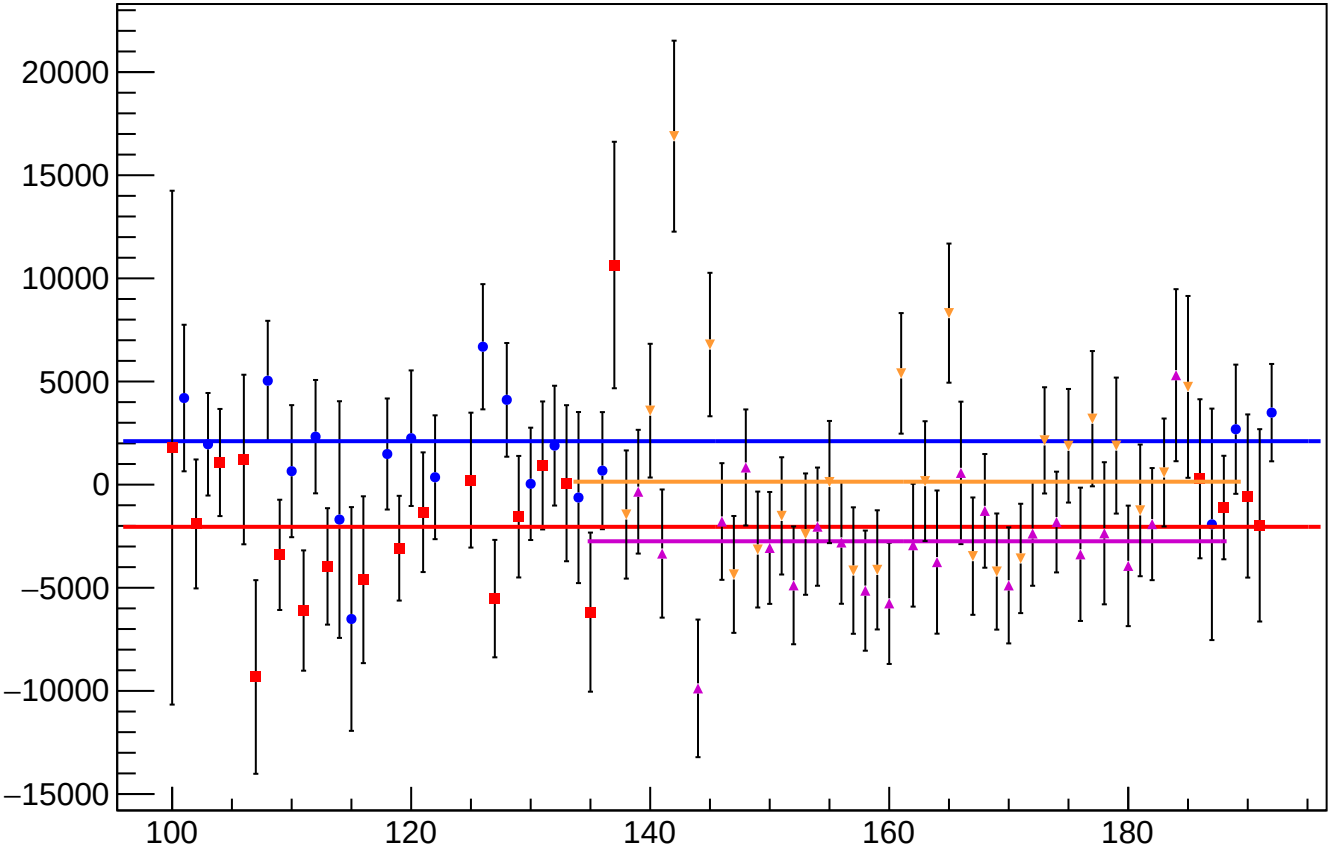
Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 7929.404+/-1.124 χ^2/NDF: 4607731.0/42

All: 7791.400+/-0.782 χ^2/NDF: 10044905.9/8

- sign 7661.953+/-1.088 χ^2/NDF: 5407954.2/44

eigen_dit_asym_atl2_mean vs Slug



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

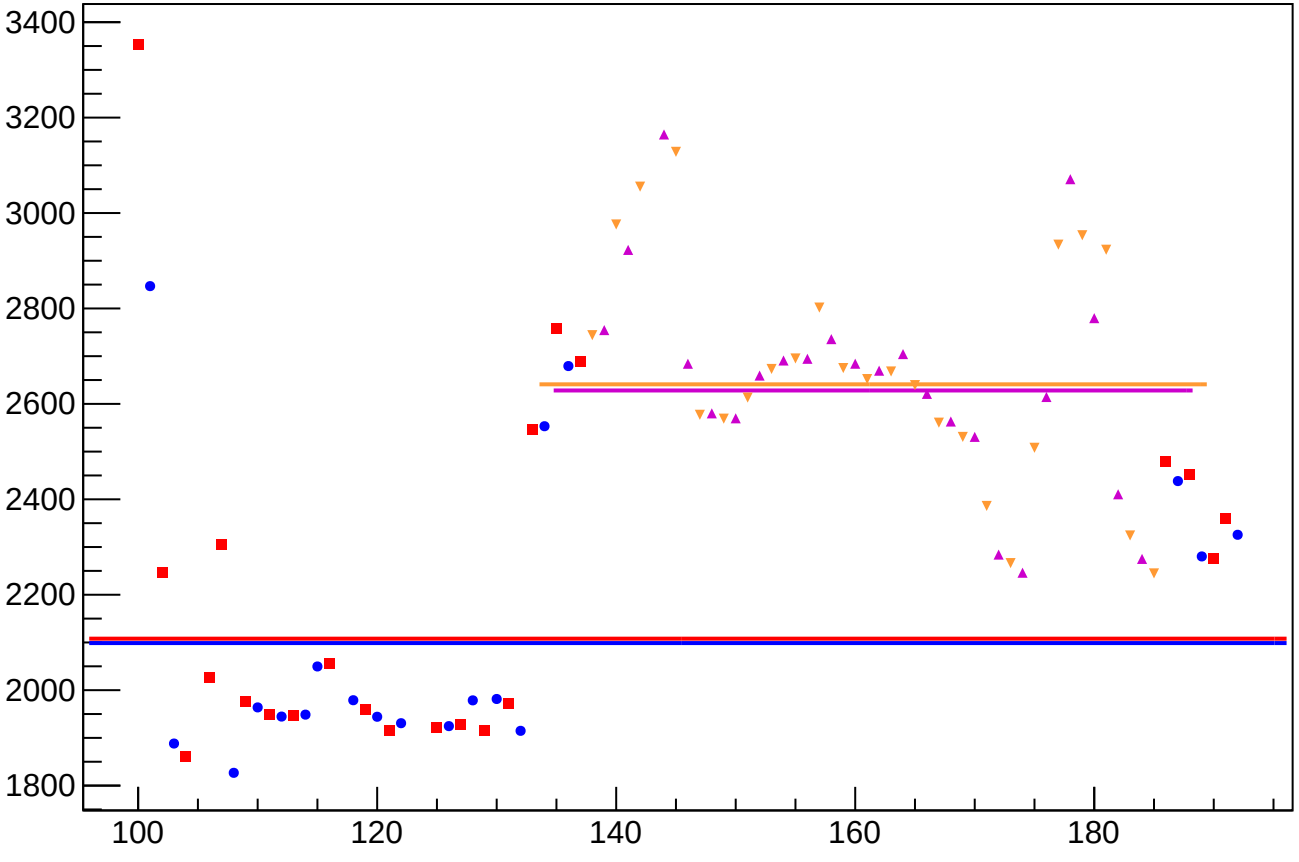
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 985.805+/-465.133 χ^2/NDF: 60.1/42

All: -733.584+/-328.382 χ^2/NDF: 120.7/87

- sign -2442.222+/-463.676 χ^2/NDF: 33.4/44

eigen_dit_asym_atl2_rms vs Slug



Right In: 2098.712+/-0.502 χ^2/NDF: 308873.5/18

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

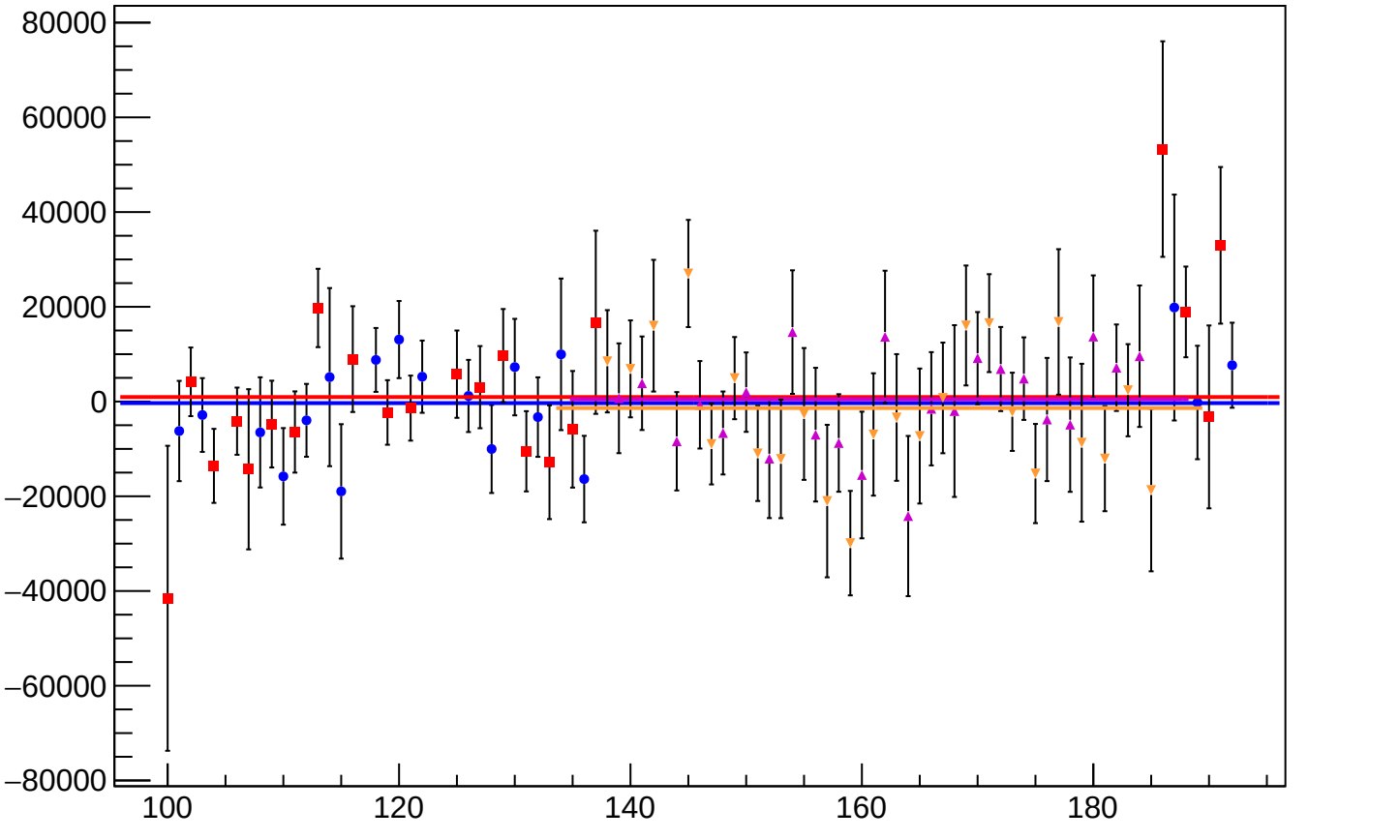
Right Out: 2107.938+/-0.497 χ^2/NDF: 274634.8/21

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2408.166+/-0.329 χ^2/NDF: 1228331.1/42

All: 2405.184+/-0.232 χ^2/NDF: 2359721.8/87

- sign 2402.225+/-0.328 χ^2/NDF: 1131227.0/44



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

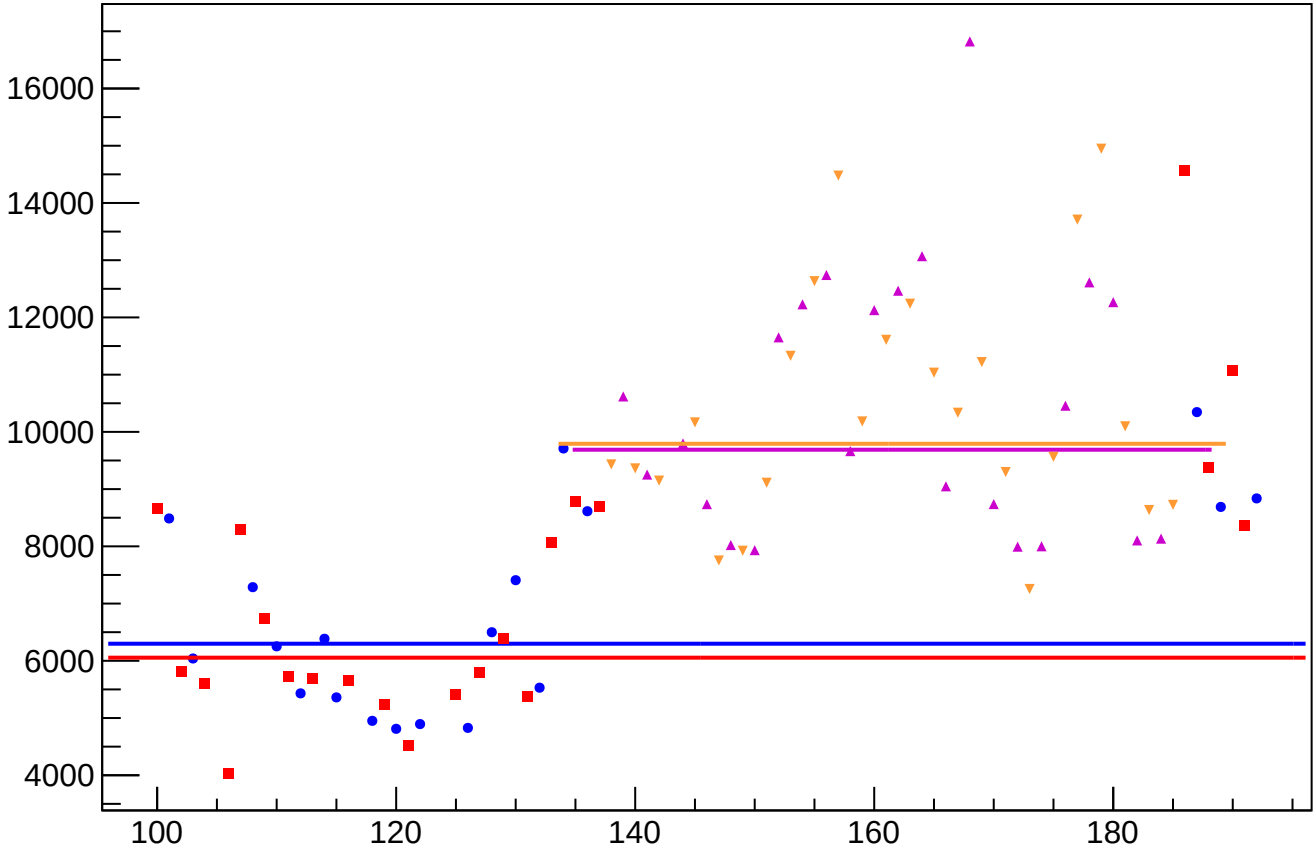
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -813.329+/-1589.413 χ^2/NDF: 48.3/42

All: -15.769+/-1105.760 χ^2/NDF: 93.6/87

- sign 732.340+/-1539.351 χ^2/NDF: 44.8/44

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6298.424+/-1.539 χ^2/NDF: 983364.4/18

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

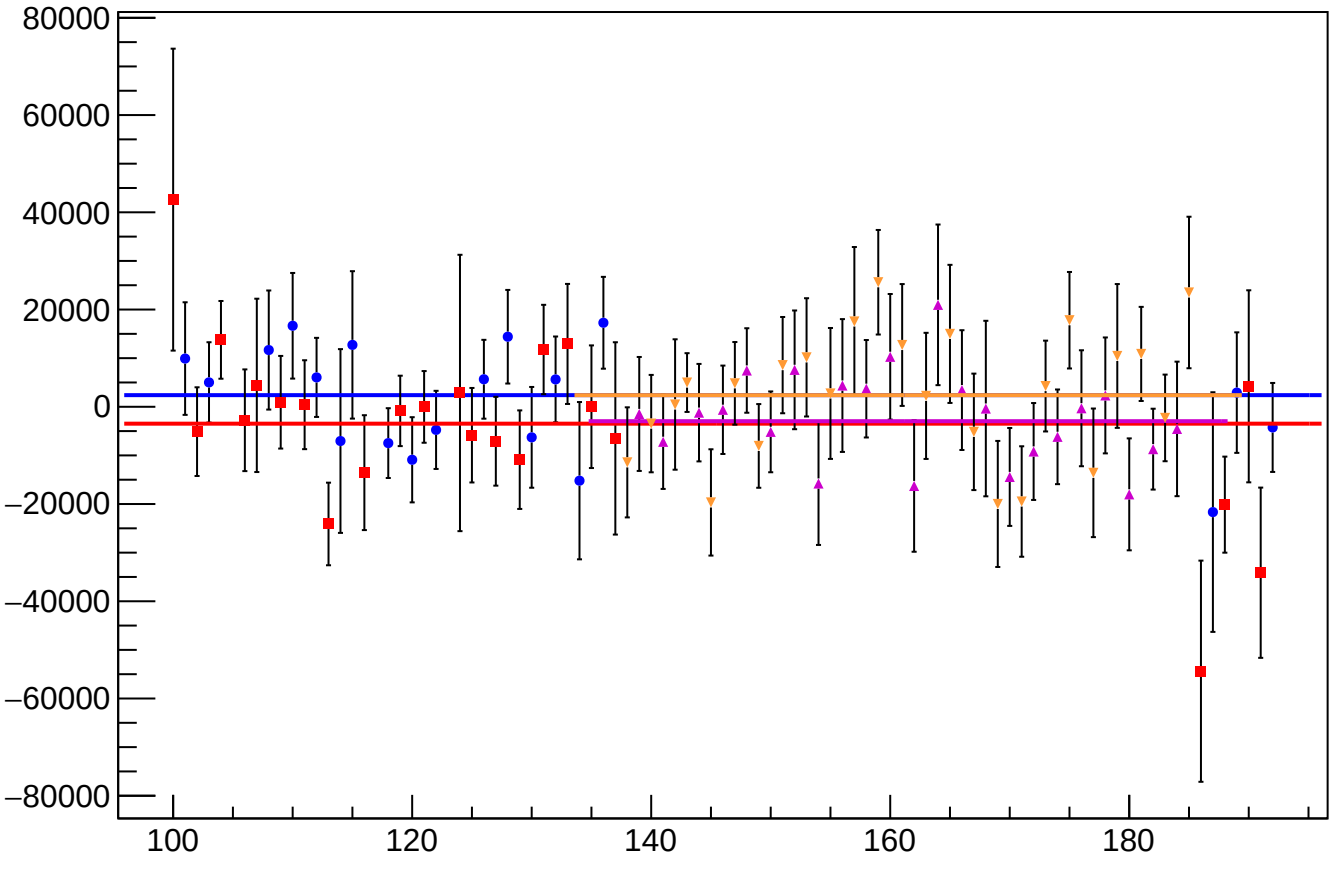
Right Out: 6054.629+/-1.458 χ^2/NDF: 1281004.9/21

Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 7929.394+/-1.124 χ^2/NDF: 4607797.0/42

All: 7791.390+/-0.782 χ^2/NDF: 10045034.1/8

- sign 7661.943+/-1.088 χ^2/NDF: 5408016.3/44



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

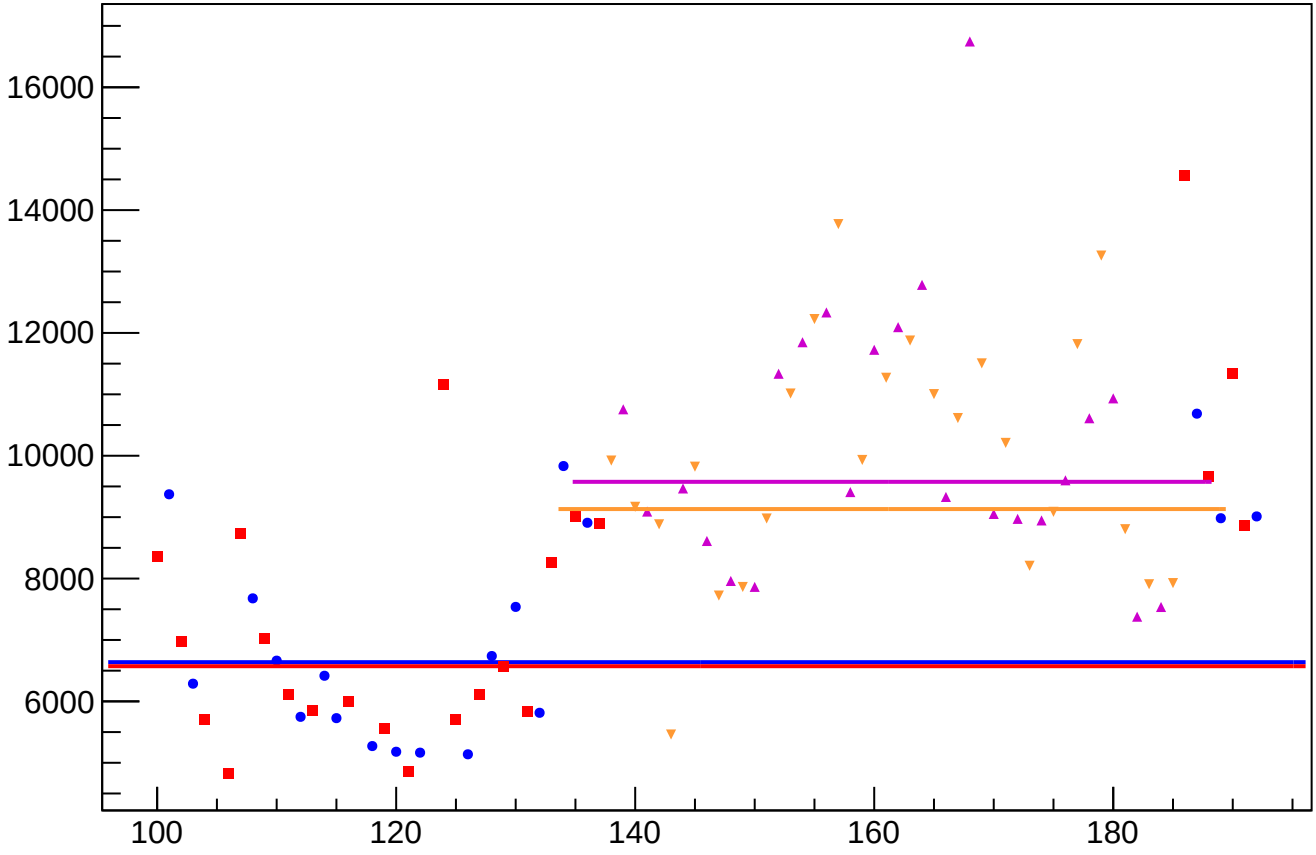
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2390.428+/-1562.088 χ^2/NDF: 46.2/43

All: -361.107+/-1115.495 χ^2/NDF: 96.4/89

- sign -3224.330+/-1593.476 χ^2/NDF: 43.9/45

asym_atl2_rms vs Slug



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

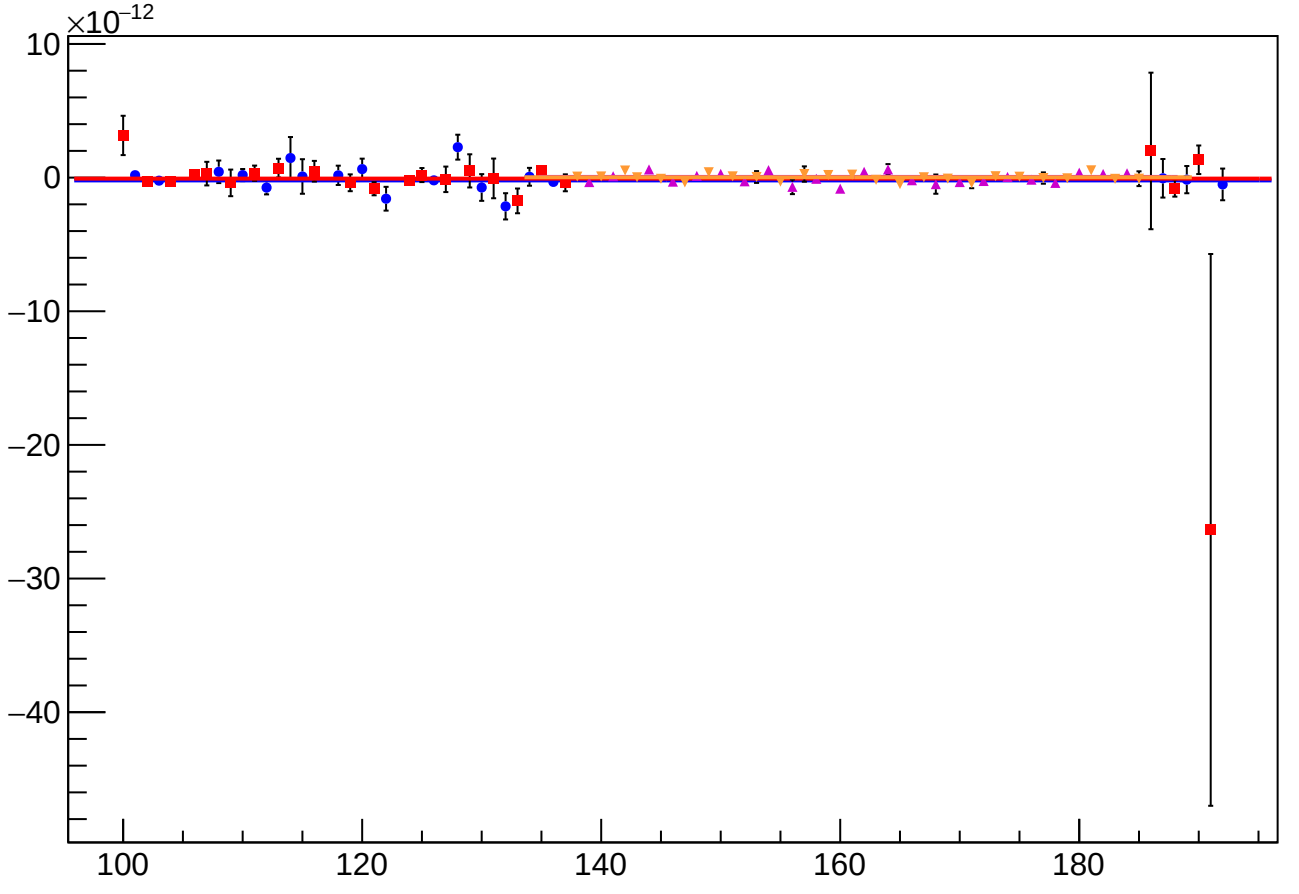
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 7971.174+/-1.105 χ^2/NDF: 3990339.8/43

All: 8005.207+/-0.789 χ^2/NDF: 8034343.3/89

- sign 8040.622+/-1.127 χ^2/NDF: 4042066.2/45

asym_atl2_reg_vs_cor_diff_mean vs Slug



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

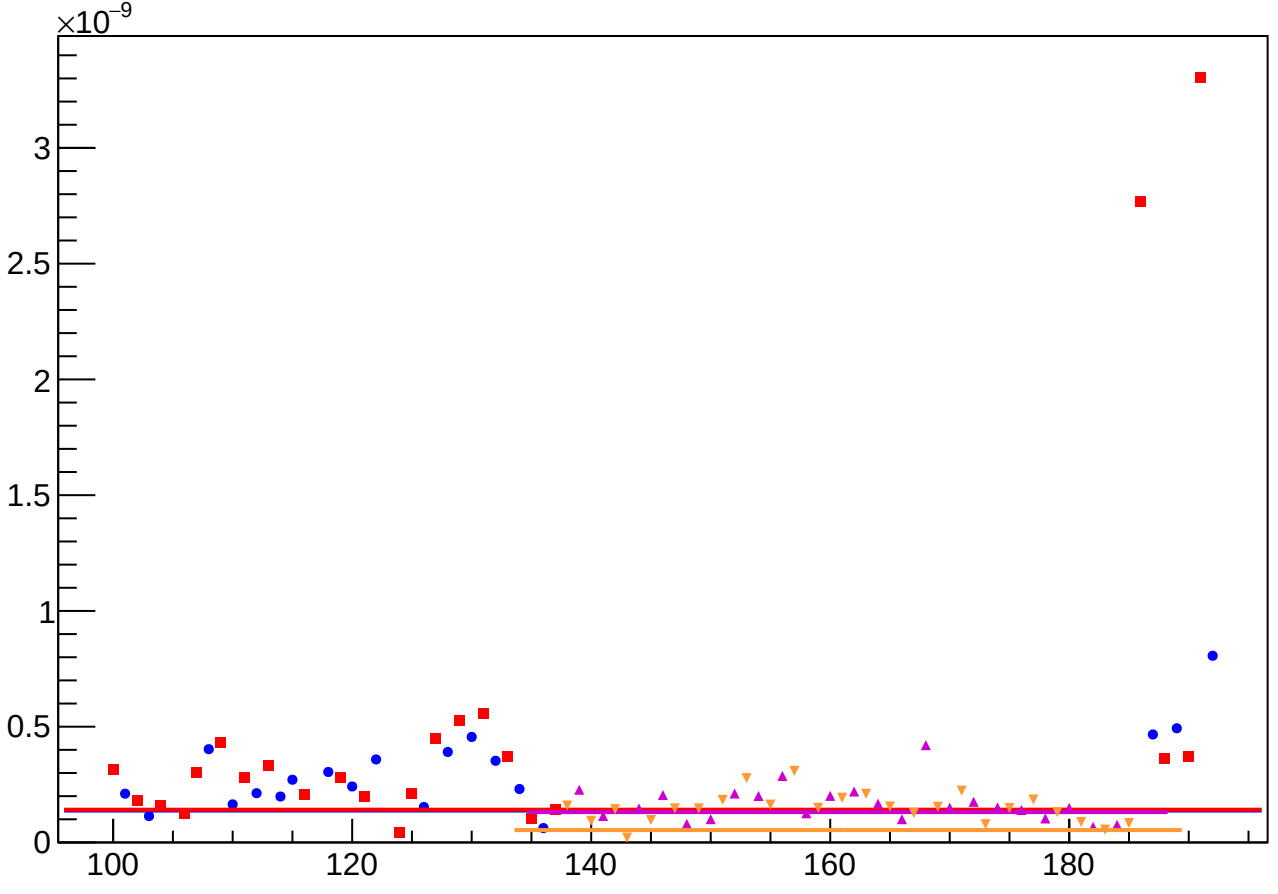
Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.5/43

All: 0.000+/-0.000 χ^2/NDF: 108.2/89

- sign 0.000+/-0.000 χ^2/NDF: 63.7/45

asym_atl2_reg_vs_cor_diff_rms vs Slug



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

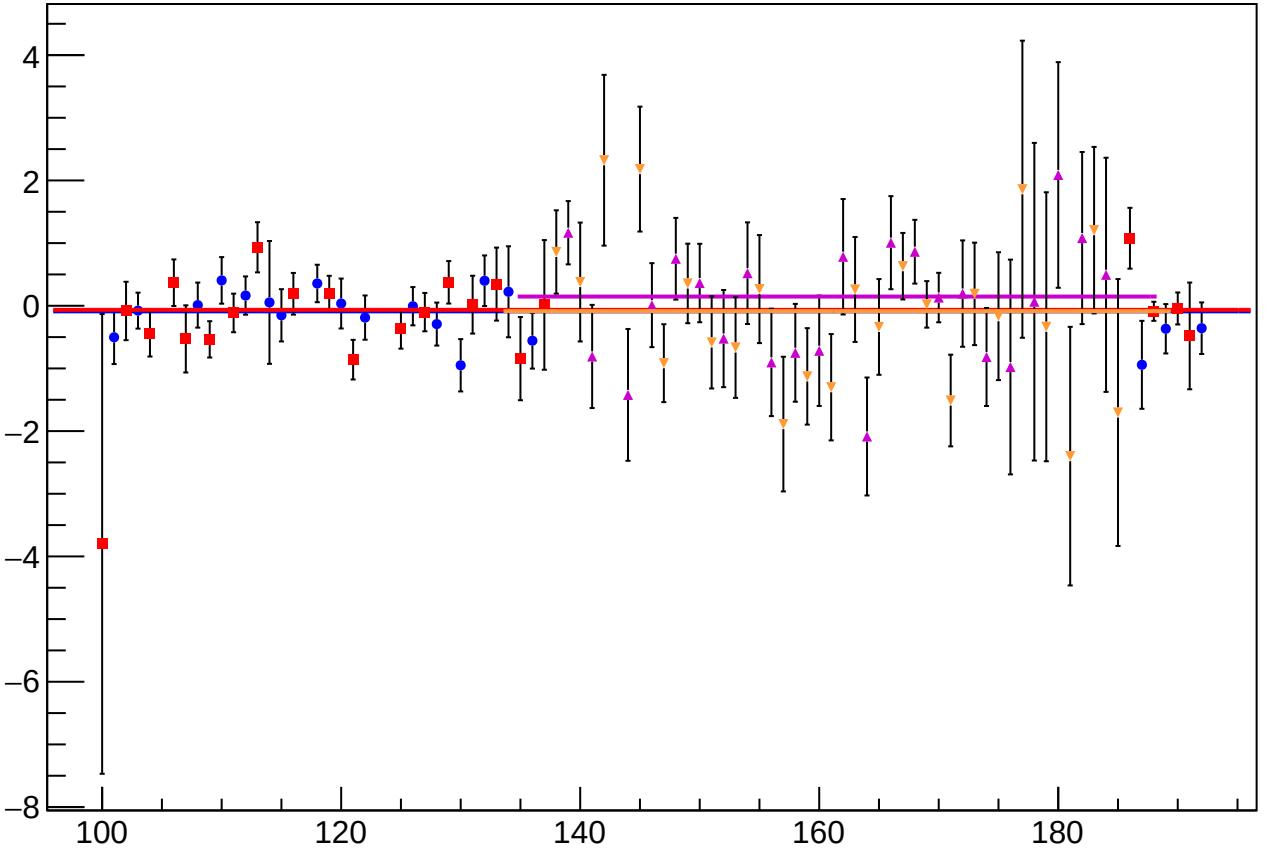
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11422714.4/43

All: 0.000+/-0.000 χ^2/NDF: 19921103.1/89

- sign 0.000+/-0.000 χ^2/NDF: 5023545.4/45

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.089+/-0.088 χ^2/NDF: 15.7/18

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

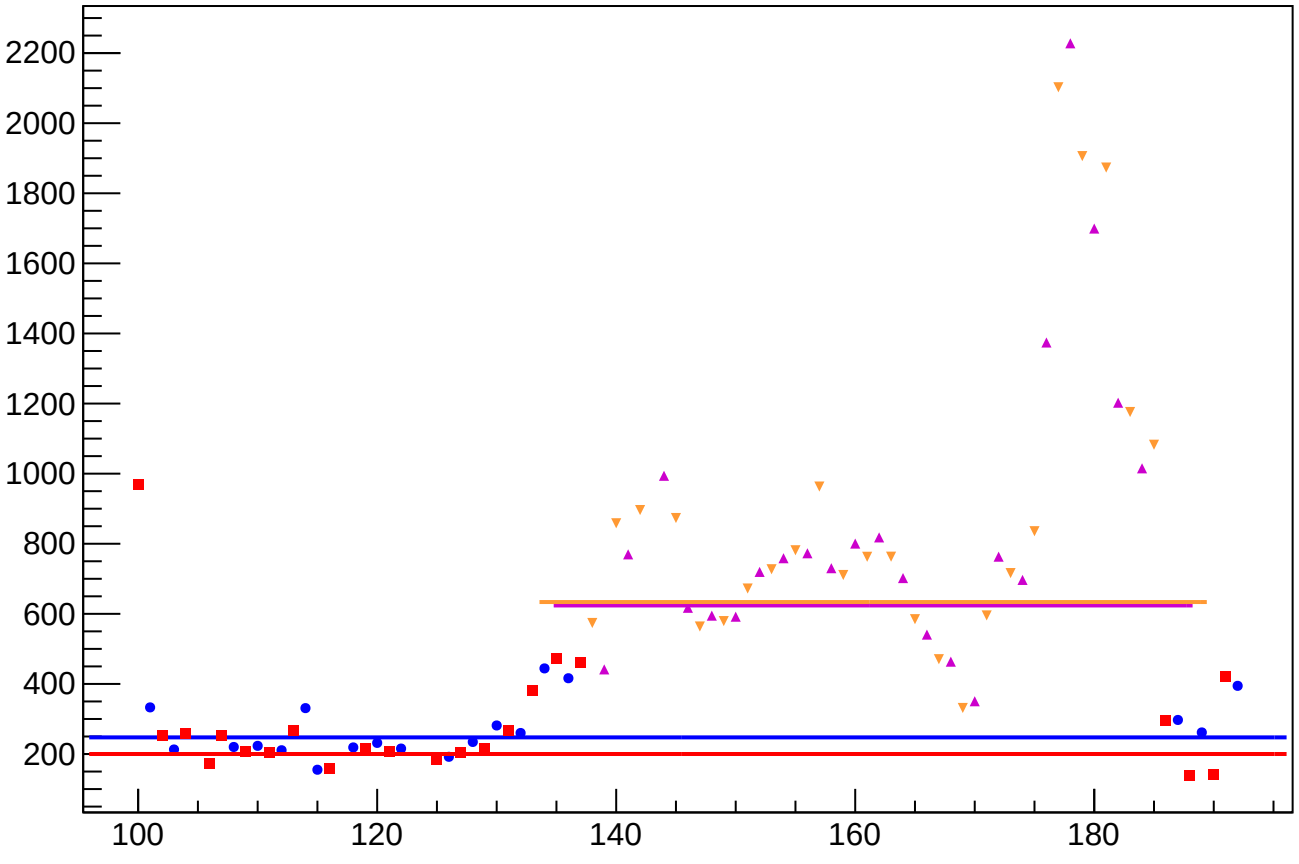
Right Out: -0.065+/-0.073 χ^2/NDF: 31.2/21

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.088+/-0.078 χ^2/NDF: 46.0/42

All: -0.053+/-0.050 χ^2/NDF: 105.4/87

- sign -0.028+/-0.066 χ^2/NDF: 59.1/44



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

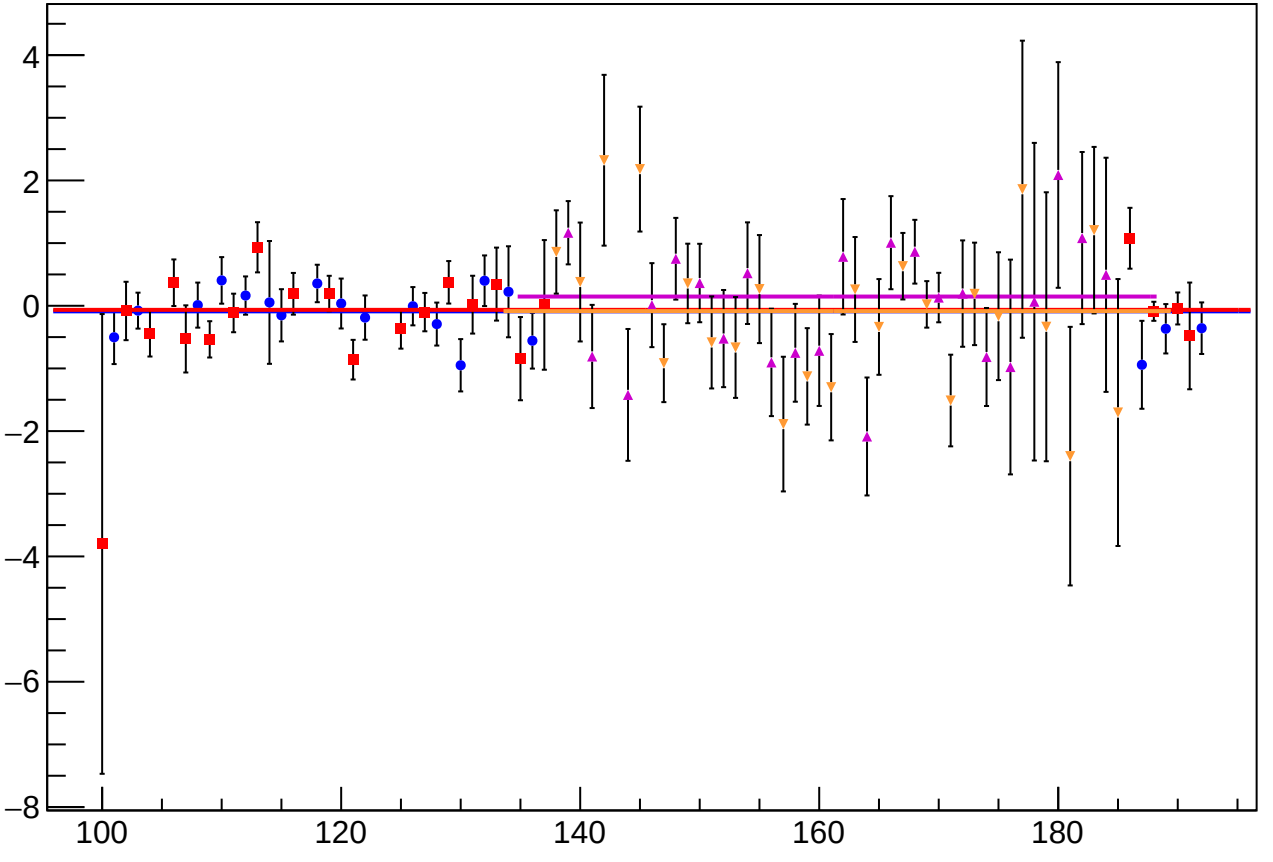
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 336.544+/-0.055 χ^2/NDF: 14895384.5/42

All: 300.690+/-0.036 χ^2/NDF: 33662213.1/87

- sign 274.474+/-0.047 χ^2/NDF: 18026143.8/44

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



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

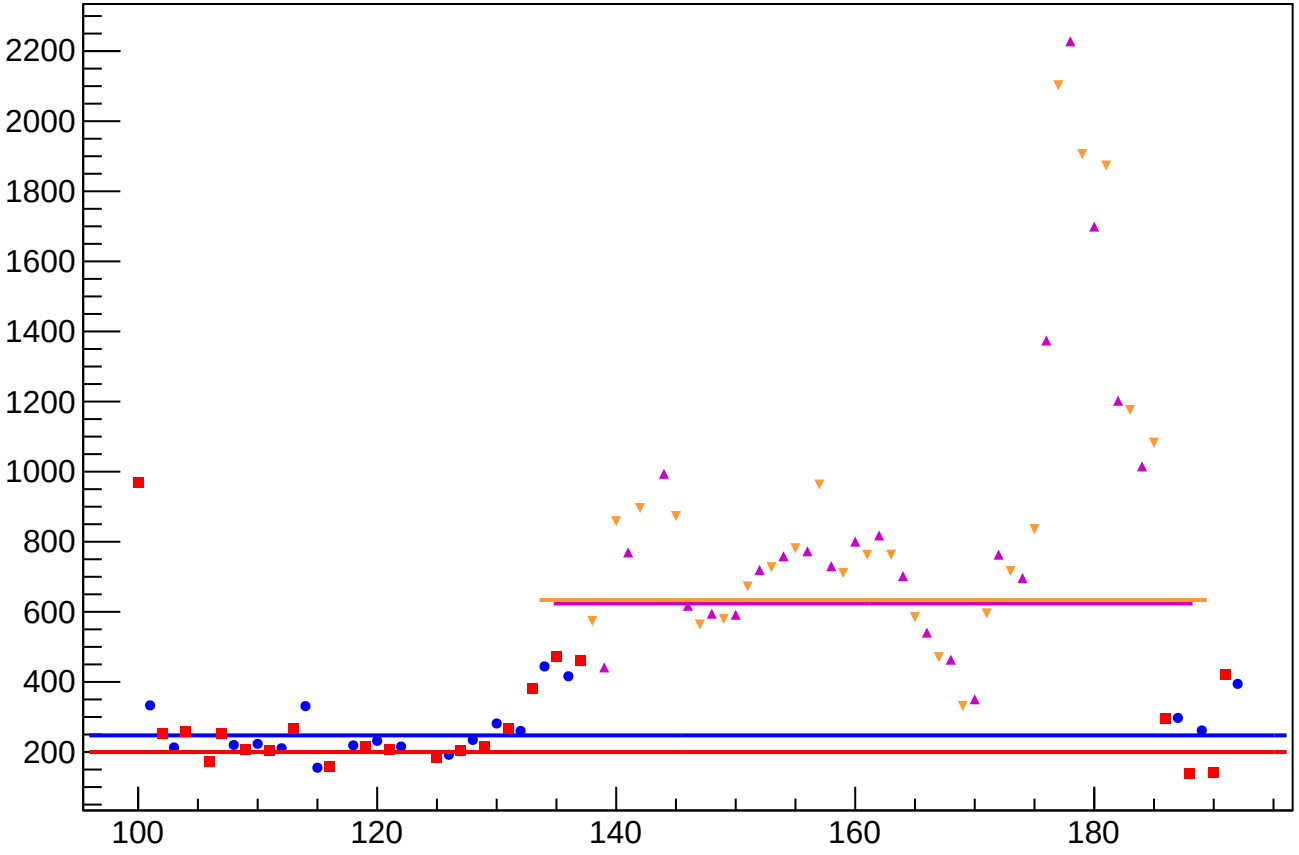
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.088+/-0.078 χ^2/NDF: 46.0/42

All: -0.053+/-0.050 χ^2/NDF: 105.4/87

- sign -0.028+/-0.066 χ^2/NDF: 59.1/44

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 247.494+/-0.062 χ^2/NDF: 1095059.1/18

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

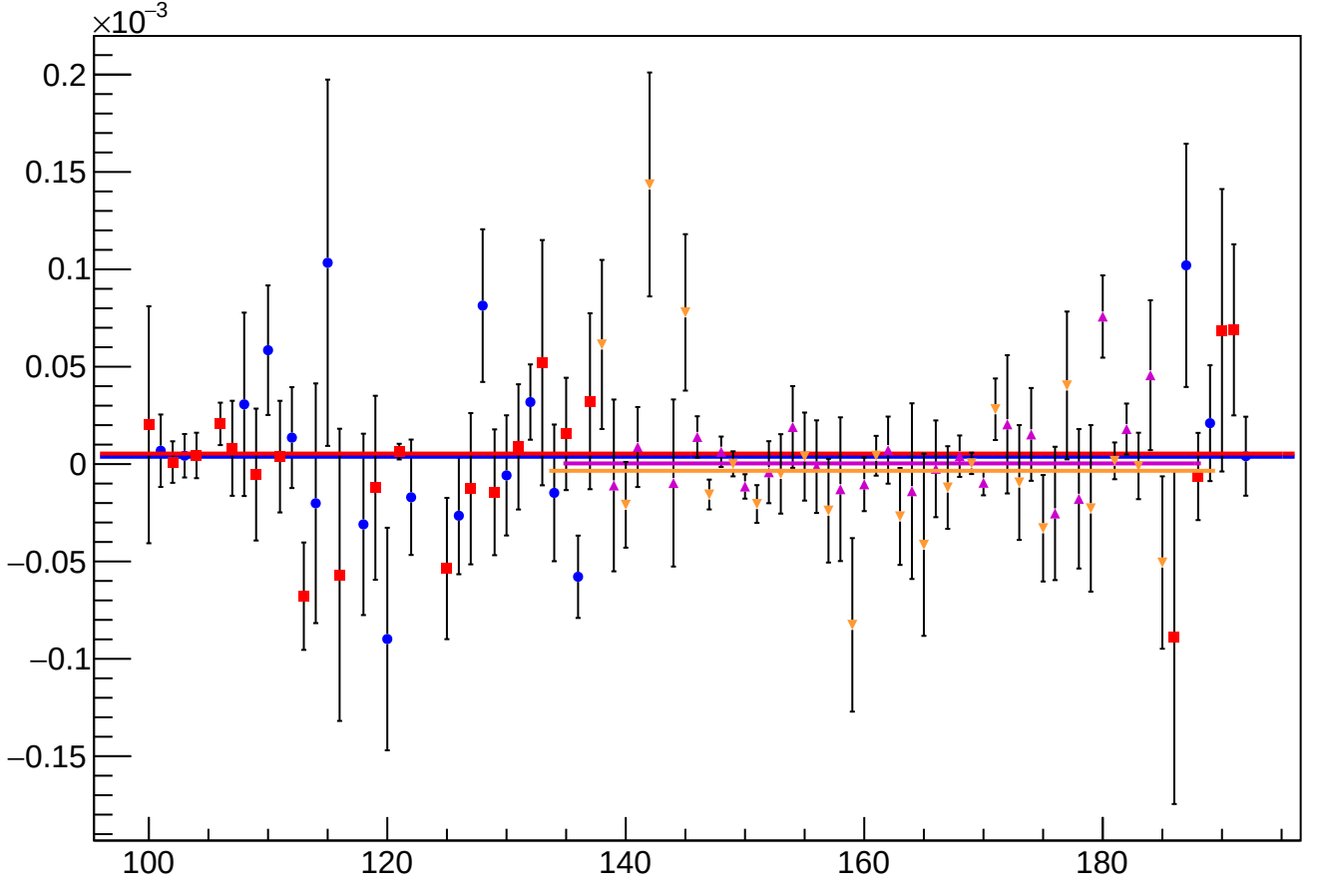
Right Out: 200.072+/-0.052 χ^2/NDF: 1650611.1/21

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 336.544+/-0.055 χ^2/NDF: 14895384.5/42

All: 300.690+/-0.036 χ^2/NDF: 33662213.1/87

- sign 274.474+/-0.047 χ^2/NDF: 18026143.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

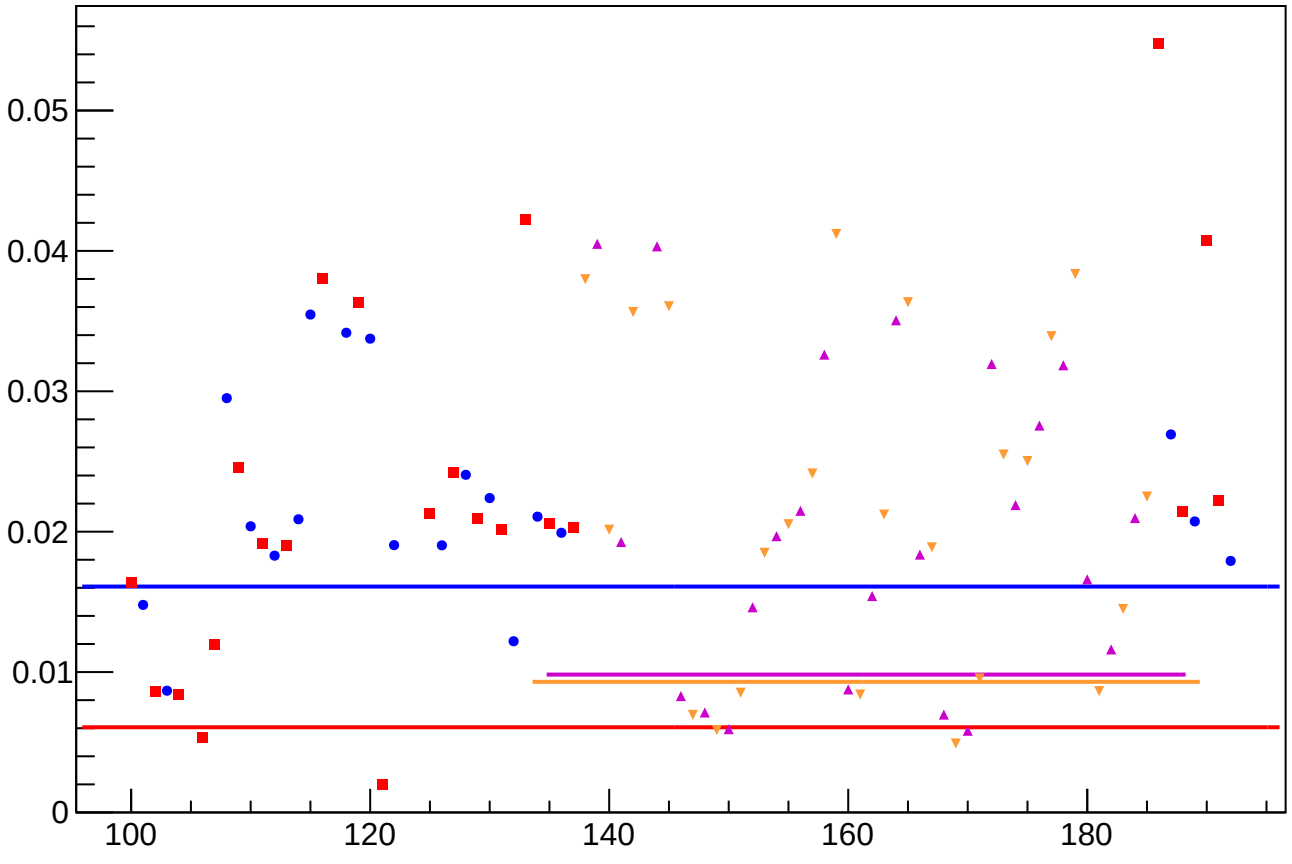
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/21

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.4/42

All: 0.000+/-0.000 χ^2/NDF: 112.7/87

- sign 0.000+/-0.000 χ^2/NDF: 48.2/44



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

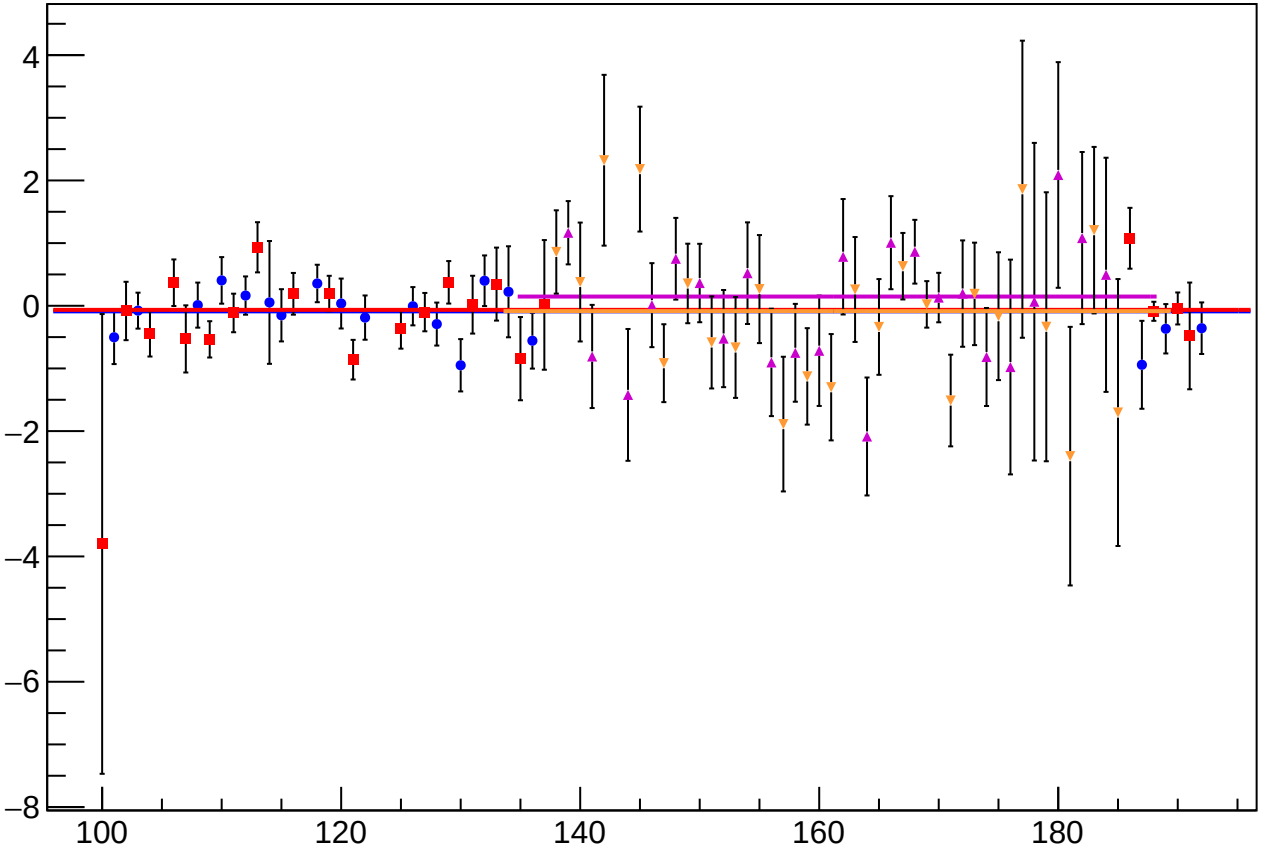
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 16590515.9/42

All: 0.009+/-0.000 χ^2/NDF: 39828061.6/87

- sign 0.008+/-0.000 χ^2/NDF: 22166912.9/44

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



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

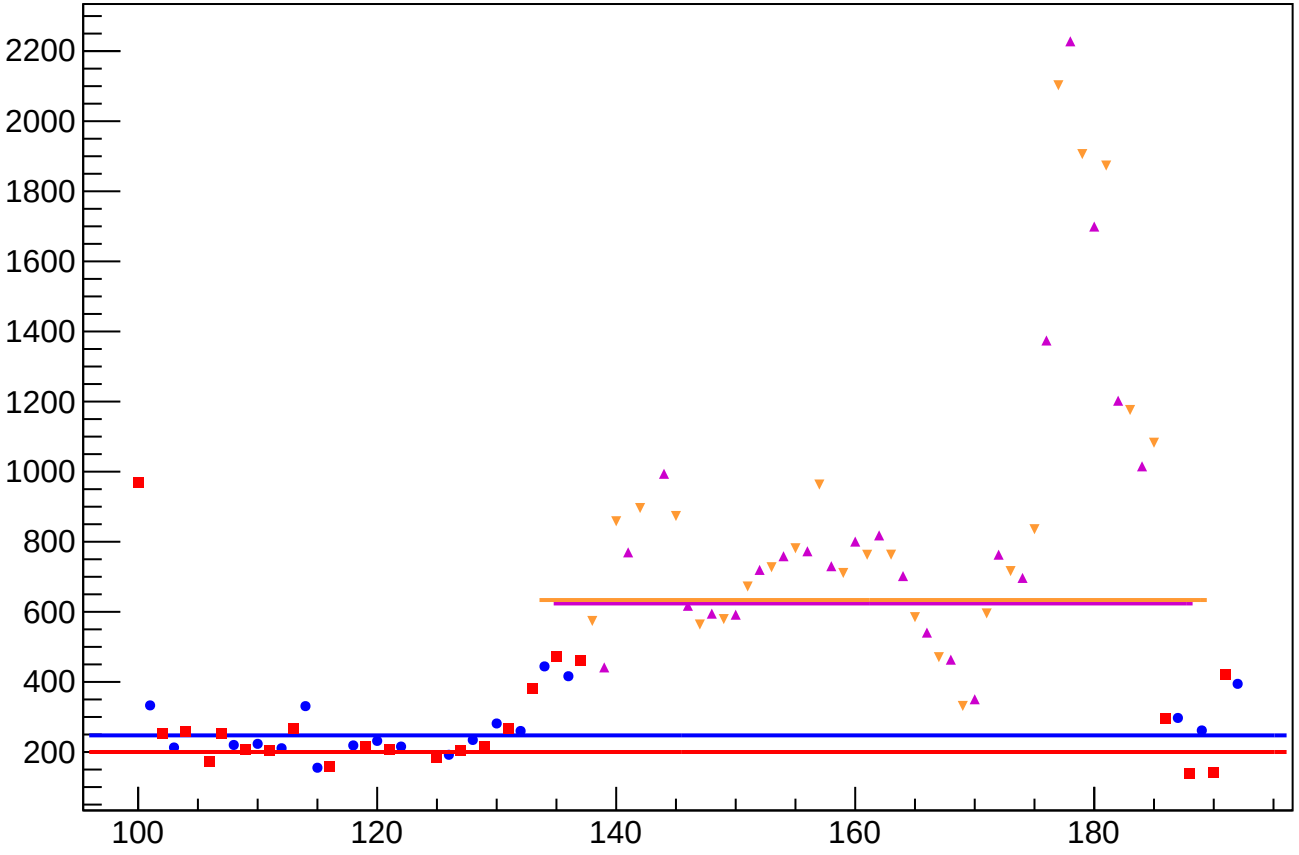
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.088+/-0.078 χ^2/NDF: 46.0/42

All: -0.053+/-0.050 χ^2/NDF: 105.4/87

- sign -0.028+/-0.066 χ^2/NDF: 59.1/44

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 247.495+/-0.062 χ^2/NDF: 1095012.6/18

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

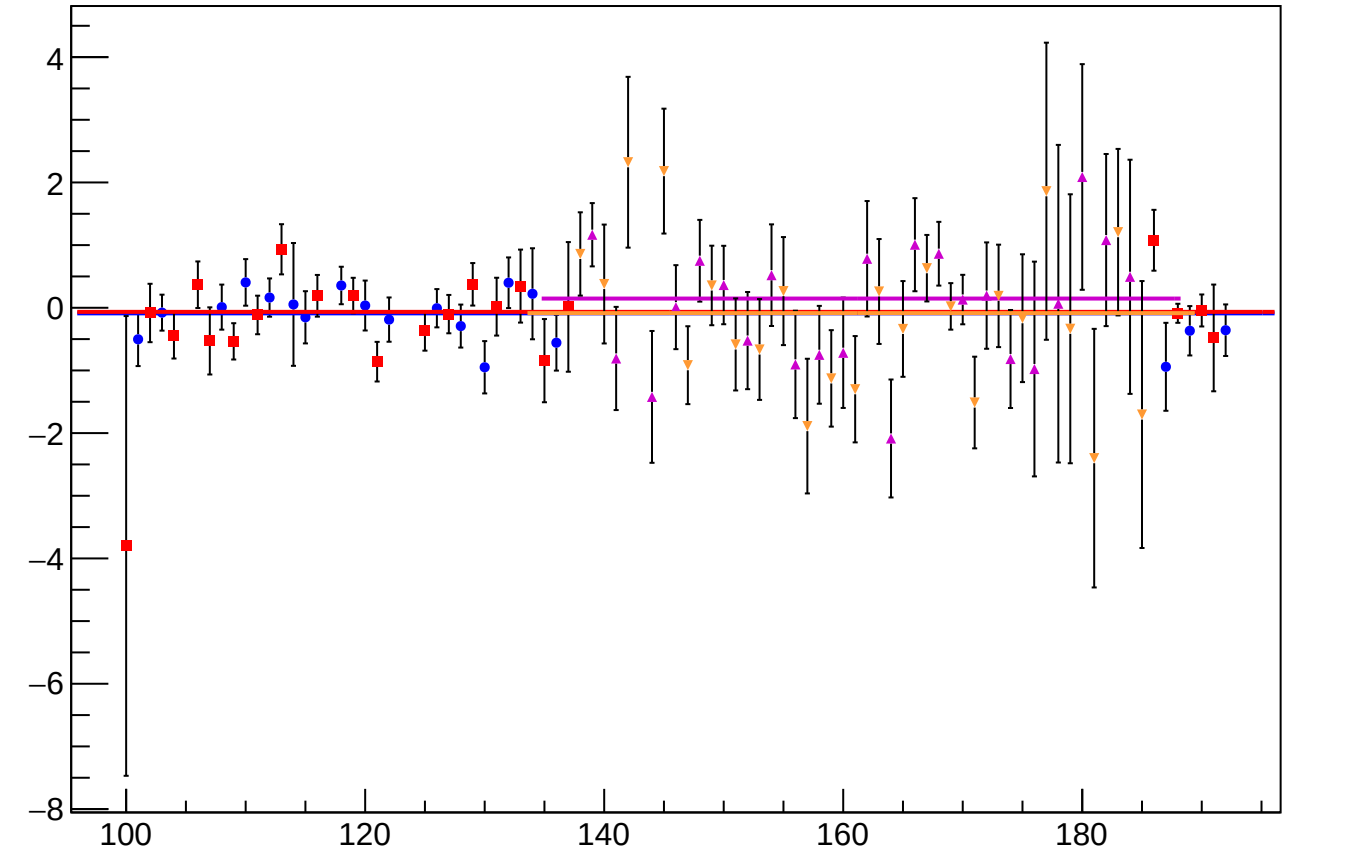
Right Out: 200.069+/-0.052 χ^2/NDF: 1650637.6/21

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 336.545+/-0.055 χ^2/NDF: 14895425.8/42

All: 300.688+/-0.036 χ^2/NDF: 33662712.5/87

- sign 274.470+/-0.047 χ^2/NDF: 18026491.9/44



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

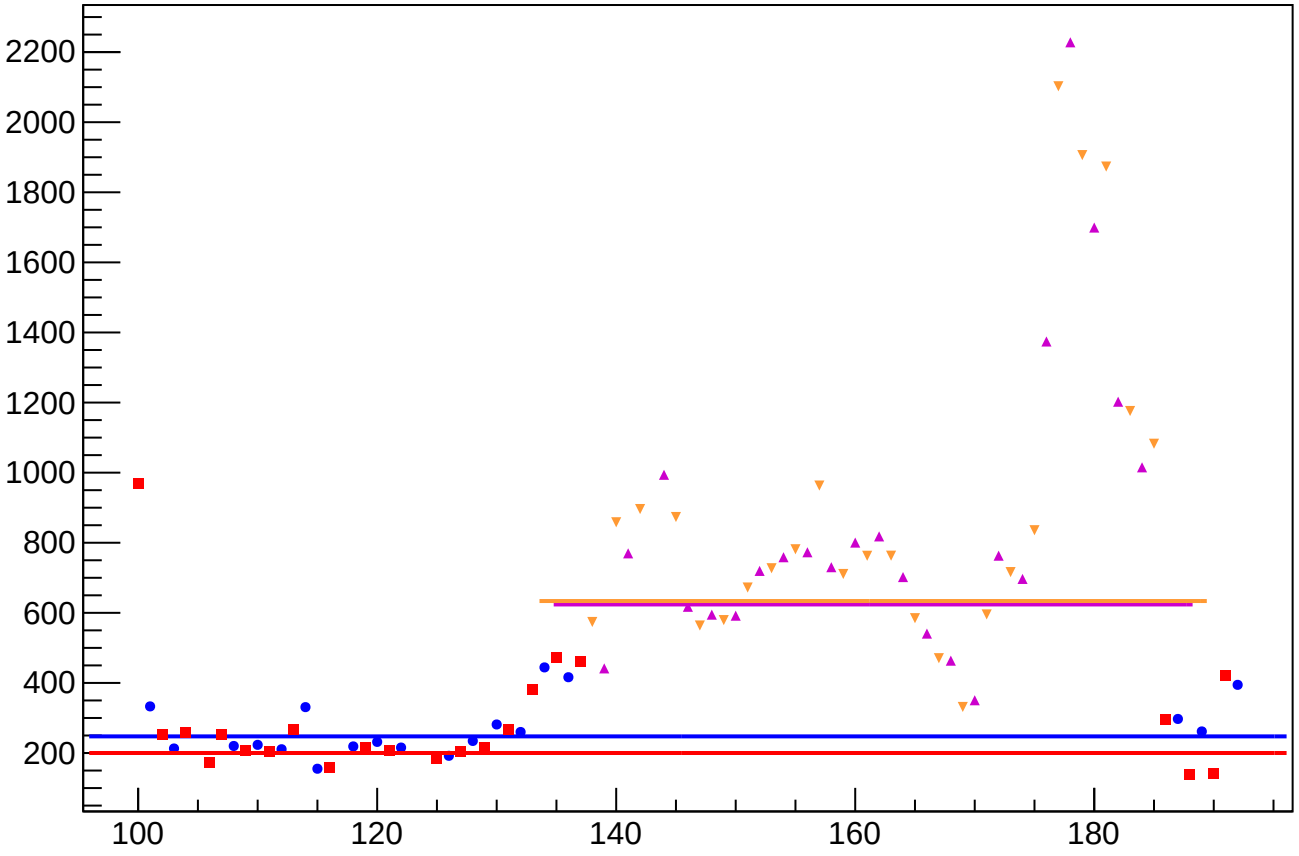
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.088+/-0.078 χ^2/NDF: 46.0/42

All: -0.053+/-0.050 χ^2/NDF: 105.4/87

- sign -0.028+/-0.066 χ^2/NDF: 59.1/44

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

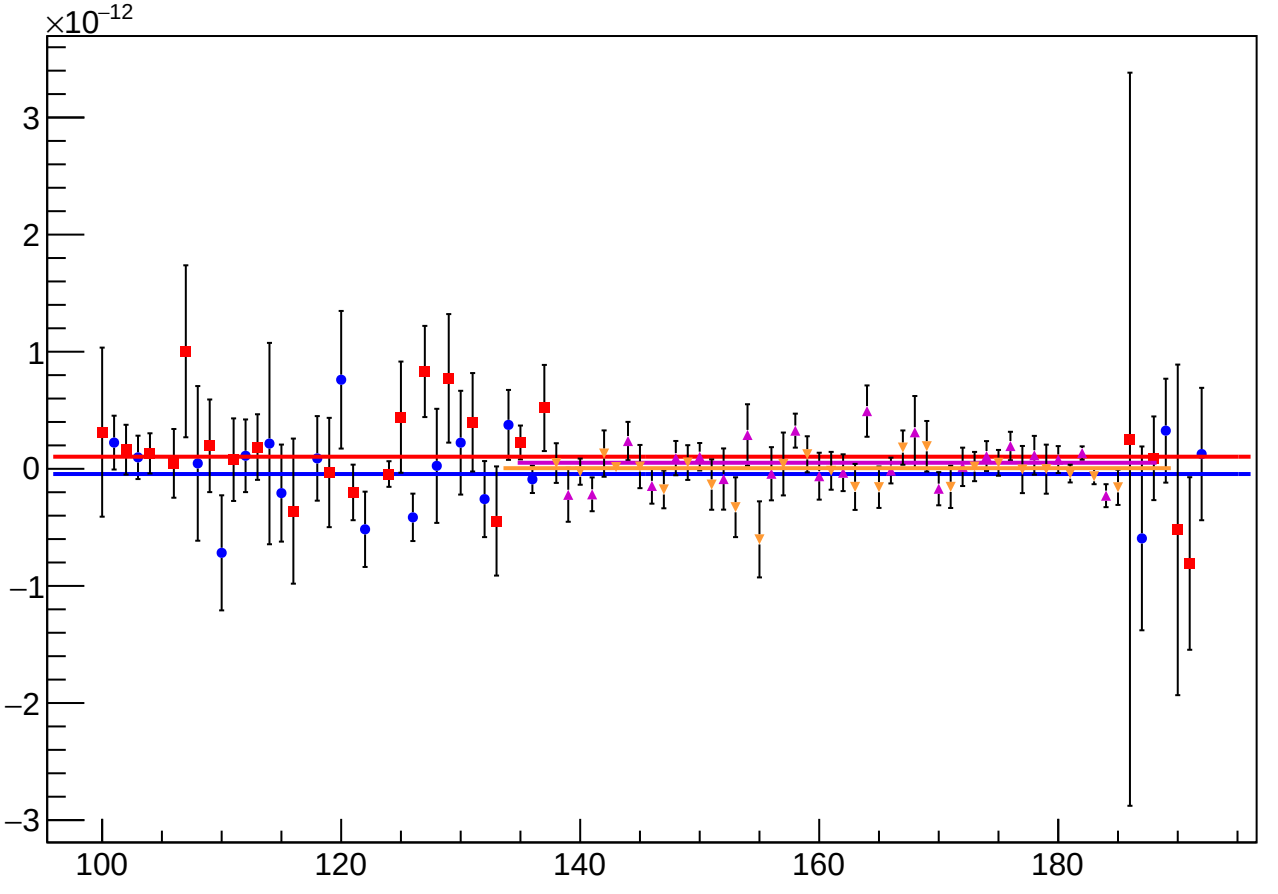
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 336.545+/-0.055 χ^2/NDF: 14895425.8/42

All: 300.688+/-0.036 χ^2/NDF: 33662712.5/87

- sign 274.470+/-0.047 χ^2/NDF: 18026491.9/44

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/22

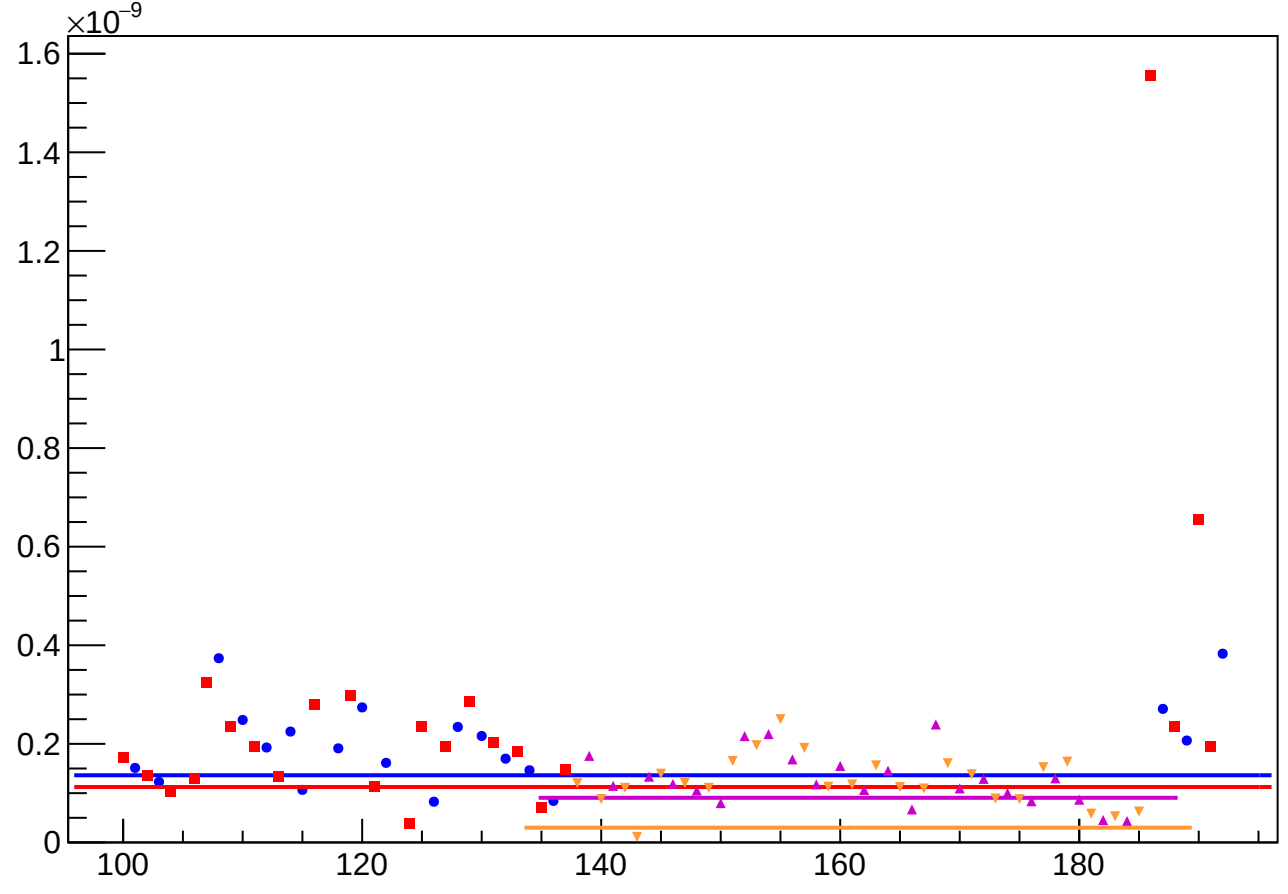
Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.4/43

All: 0.000+/-0.000 χ^2/NDF: 87.7/89

- sign 0.000+/-0.000 χ^2/NDF: 51.1/45

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



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

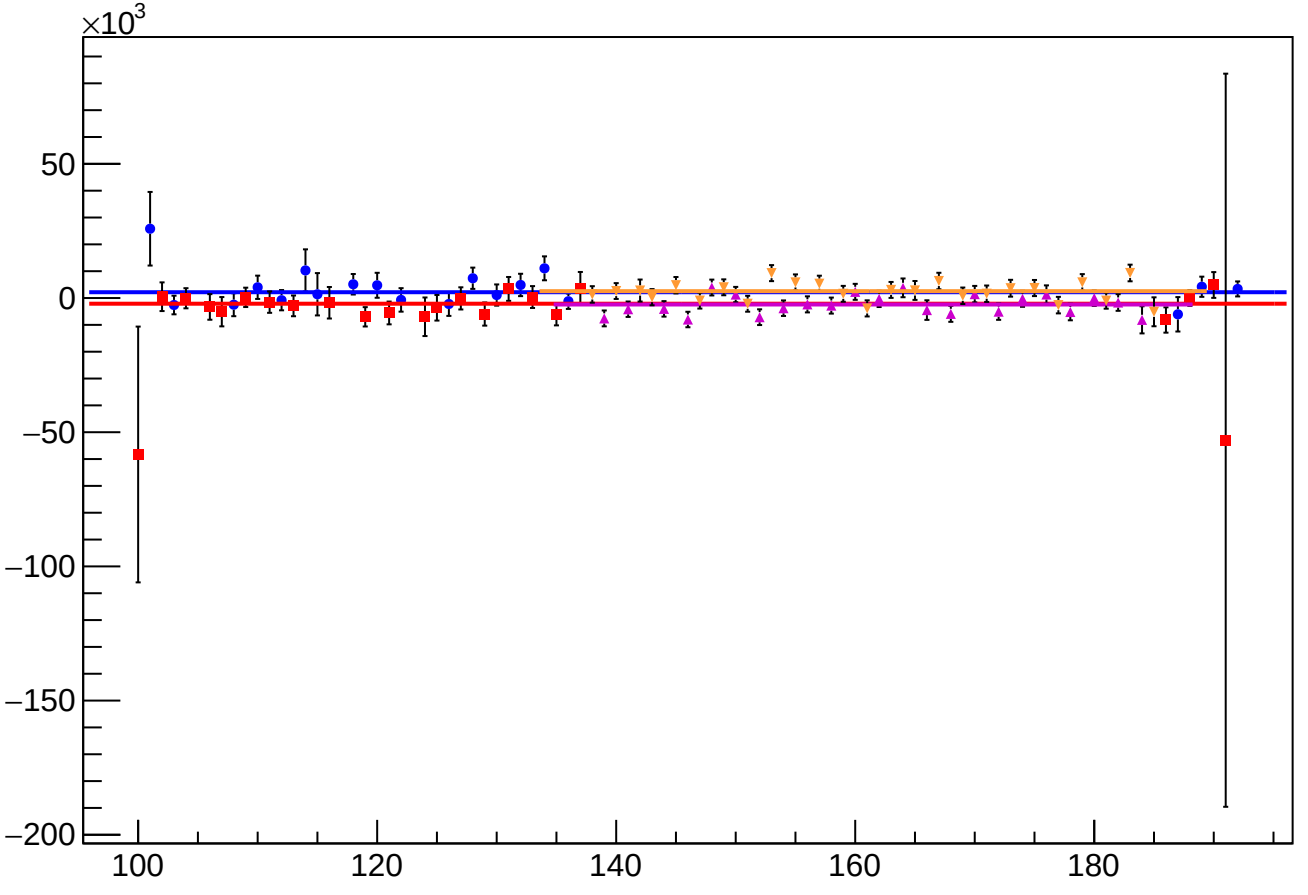
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 24079925.2/43

All: 0.000+/-0.000 χ^2/NDF: 41678396.9/89

- sign 0.000+/-0.000 χ^2/NDF: 8605115.5/45

reg_asym_atr1_mean vs Slug



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

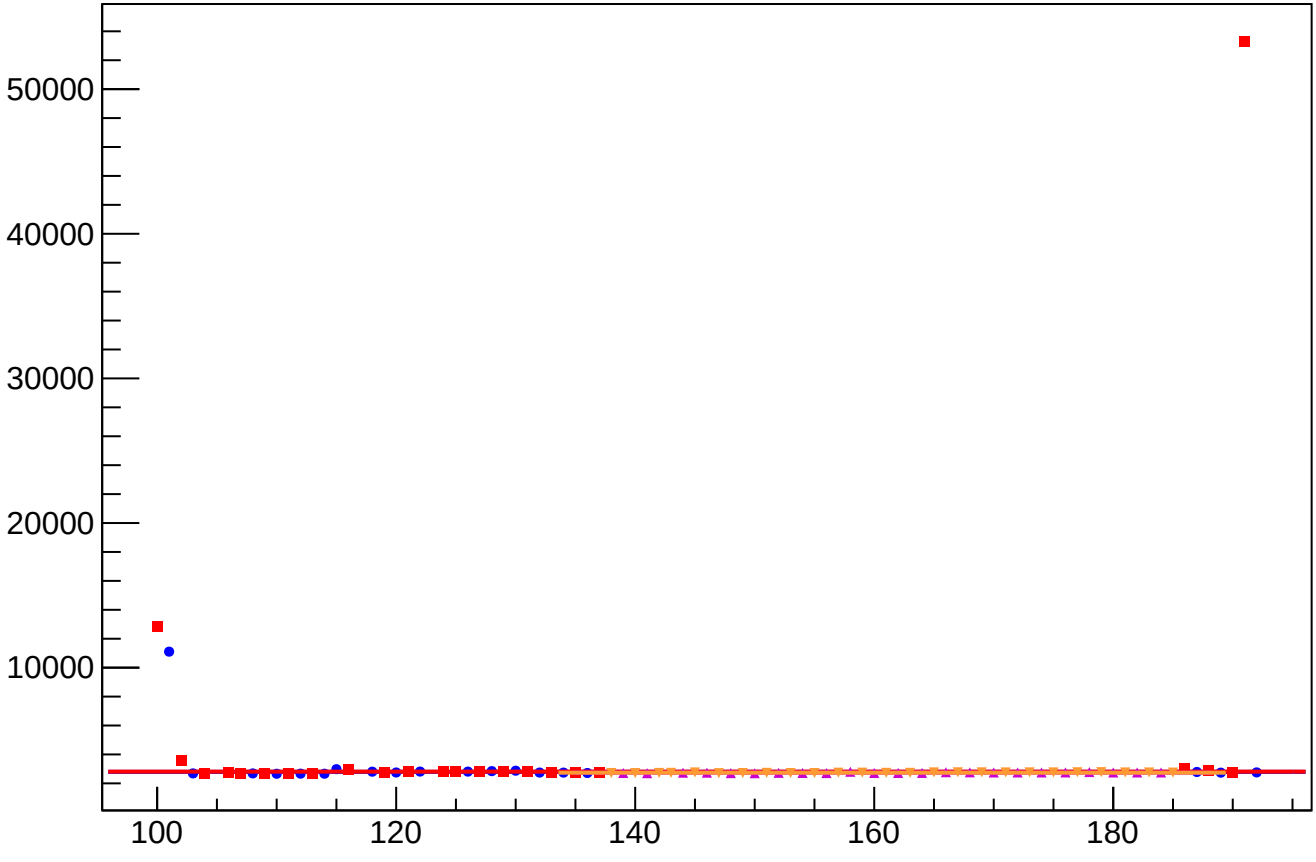
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2440.298+/-521.164 χ^2/NDF: 51.6/43

All: 95.716+/-371.116 χ^2/NDF: 139.4/89

- sign -2316.139+/-528.588 χ^2/NDF: 46.7/45

reg_asym_atr1_rms vs Slug



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

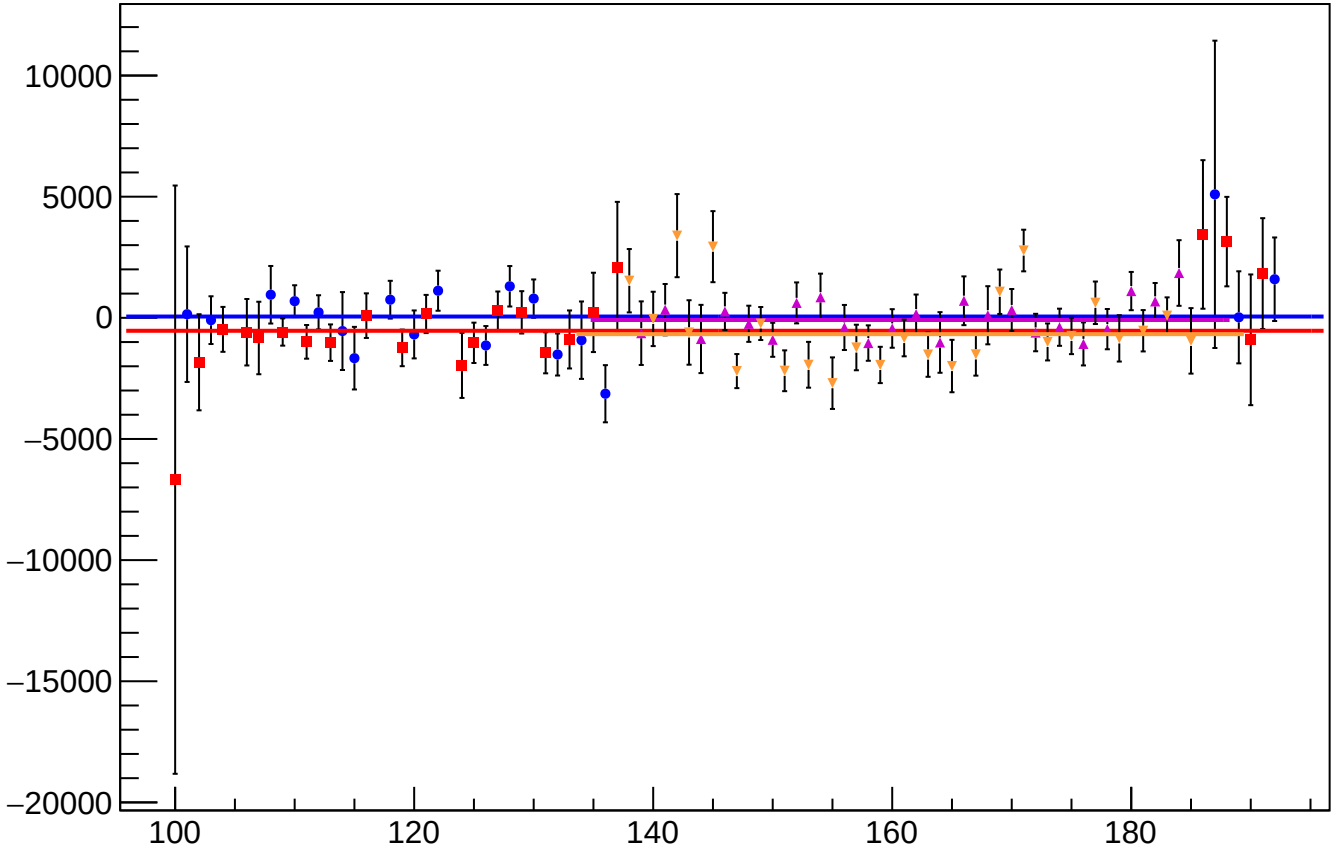
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.692+/-0.369 χ^2/NDF: 754664.2/43

All: 2758.511+/-0.262 χ^2/NDF: 1243035.5/89

- sign 2762.440+/-0.374 χ^2/NDF: 488153.4/45

asym_atr1_reg_correction_mean vs Slug



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

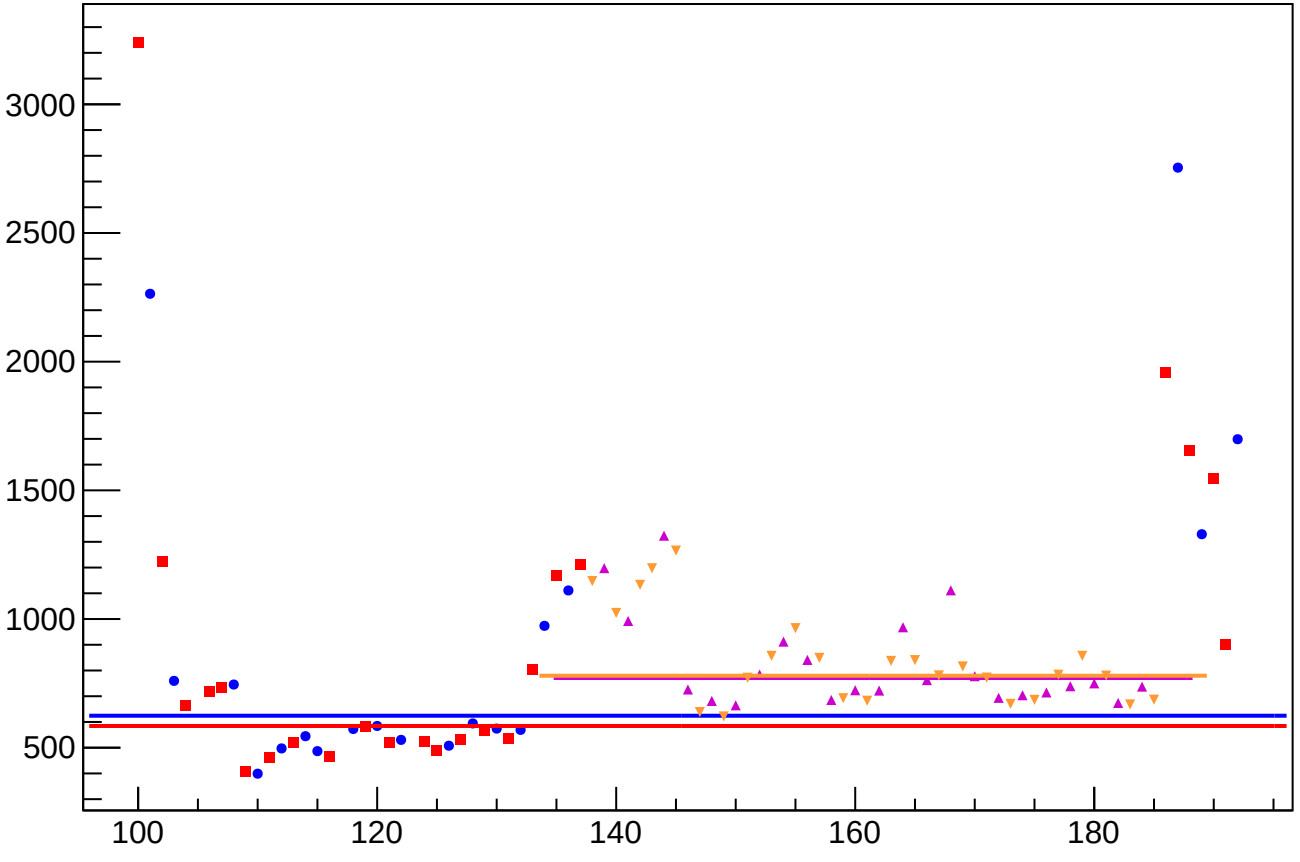
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

\+ sign -394.415+/-142.237 χ^2/NDF: 88.7/43

All: -335.656+/-99.356 χ^2/NDF: 122.6/89

\- sign -279.666+/-138.845 χ^2/NDF: 33.5/45

asym_atr1_reg_correction_rms vs Slug



Right In: 624.275+/-0.162 χ^2/NDF: 2885631.7/18

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

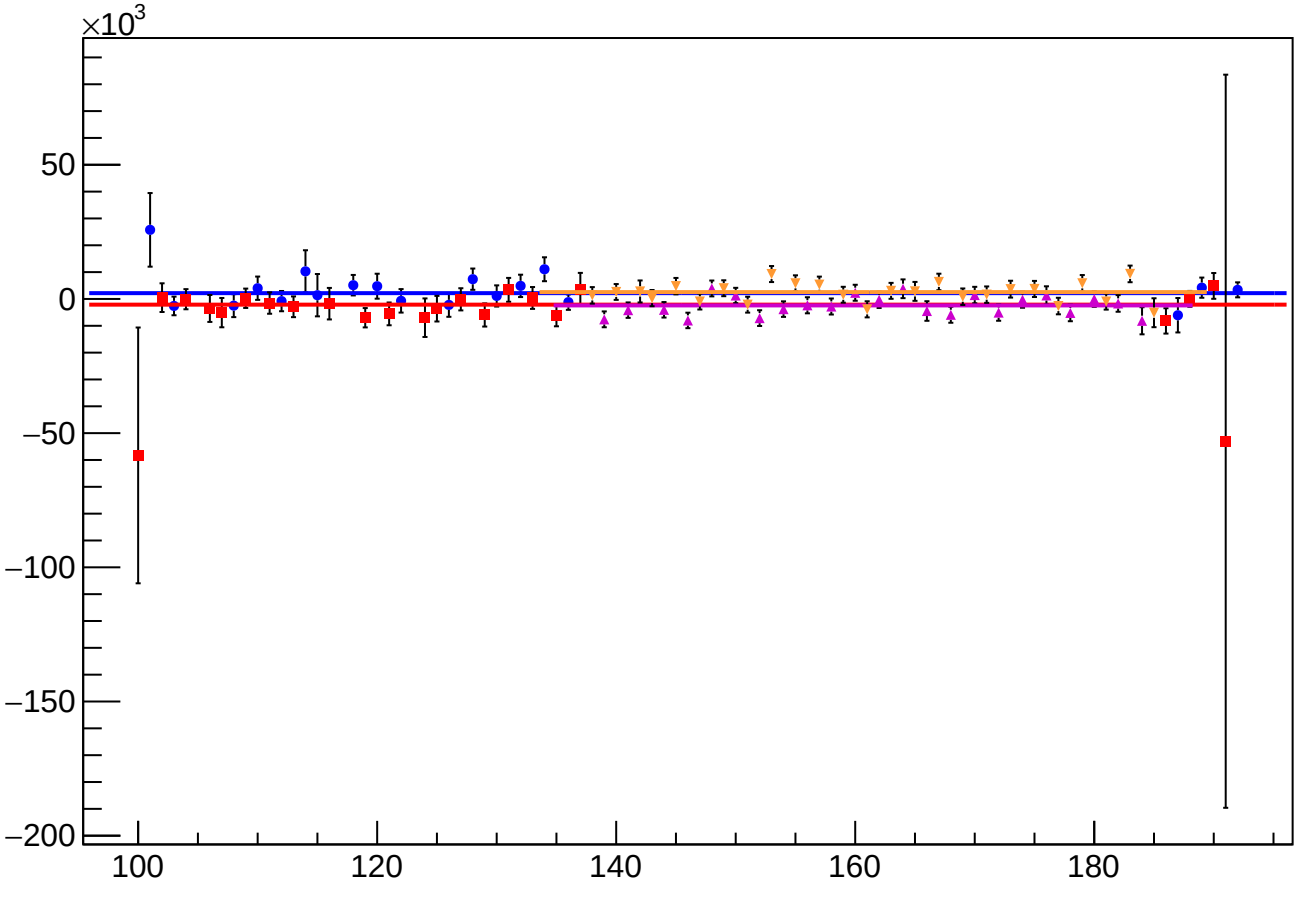
Right Out: 584.419+/-0.150 χ^2/NDF: 2522745.1/22

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 720.021+/-0.101 χ^2/NDF: 4694388.0/43

All: 705.228+/-0.070 χ^2/NDF: 9217691.9/89

- sign 691.132+/-0.098 χ^2/NDF: 4481055.0/45



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

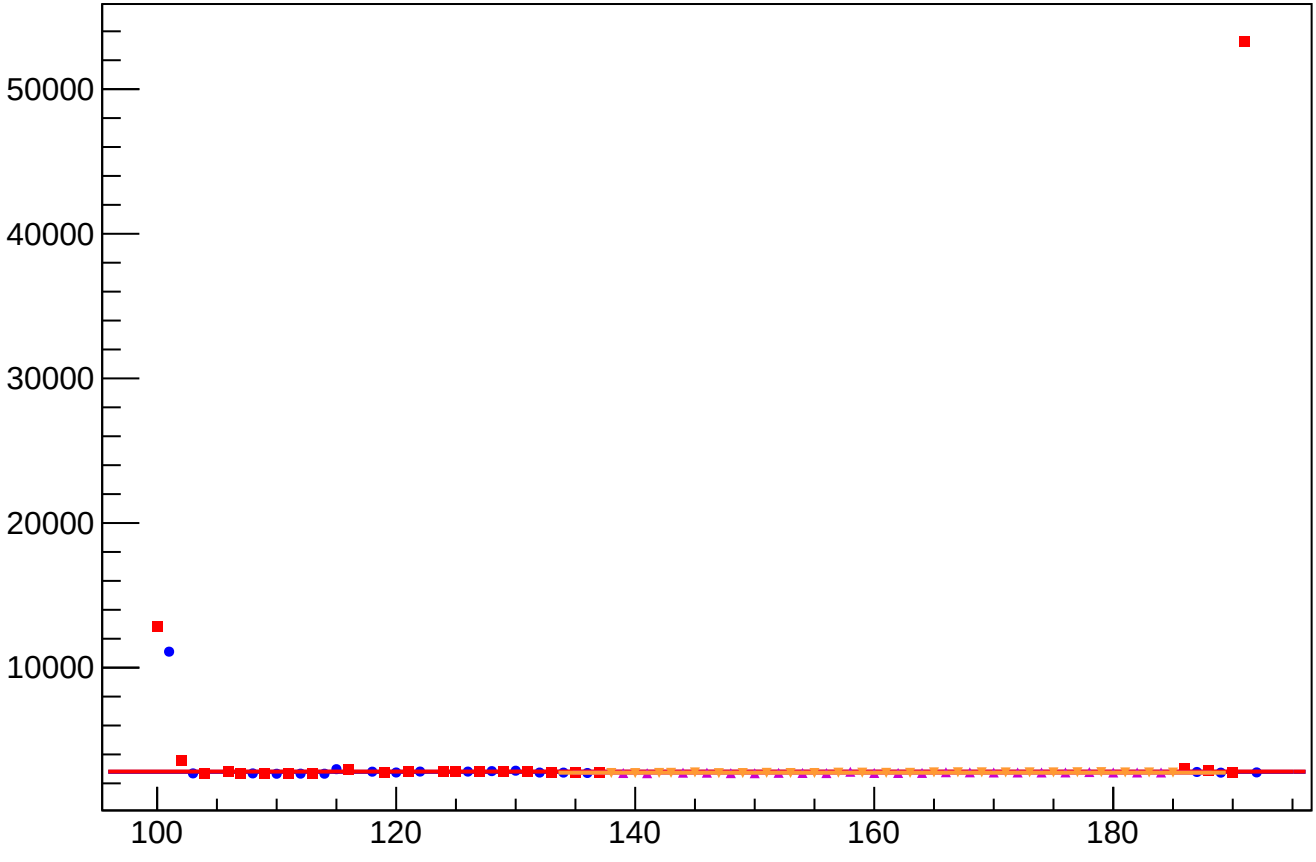
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2440.082+/-521.164 χ^2/NDF: 51.6/43

All: 96.276+/-371.225 χ^2/NDF: 139.4/89

- sign -2317.669+/-528.905 χ^2/NDF: 46.7/45

cor_asym_atr1_rms vs Slug



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

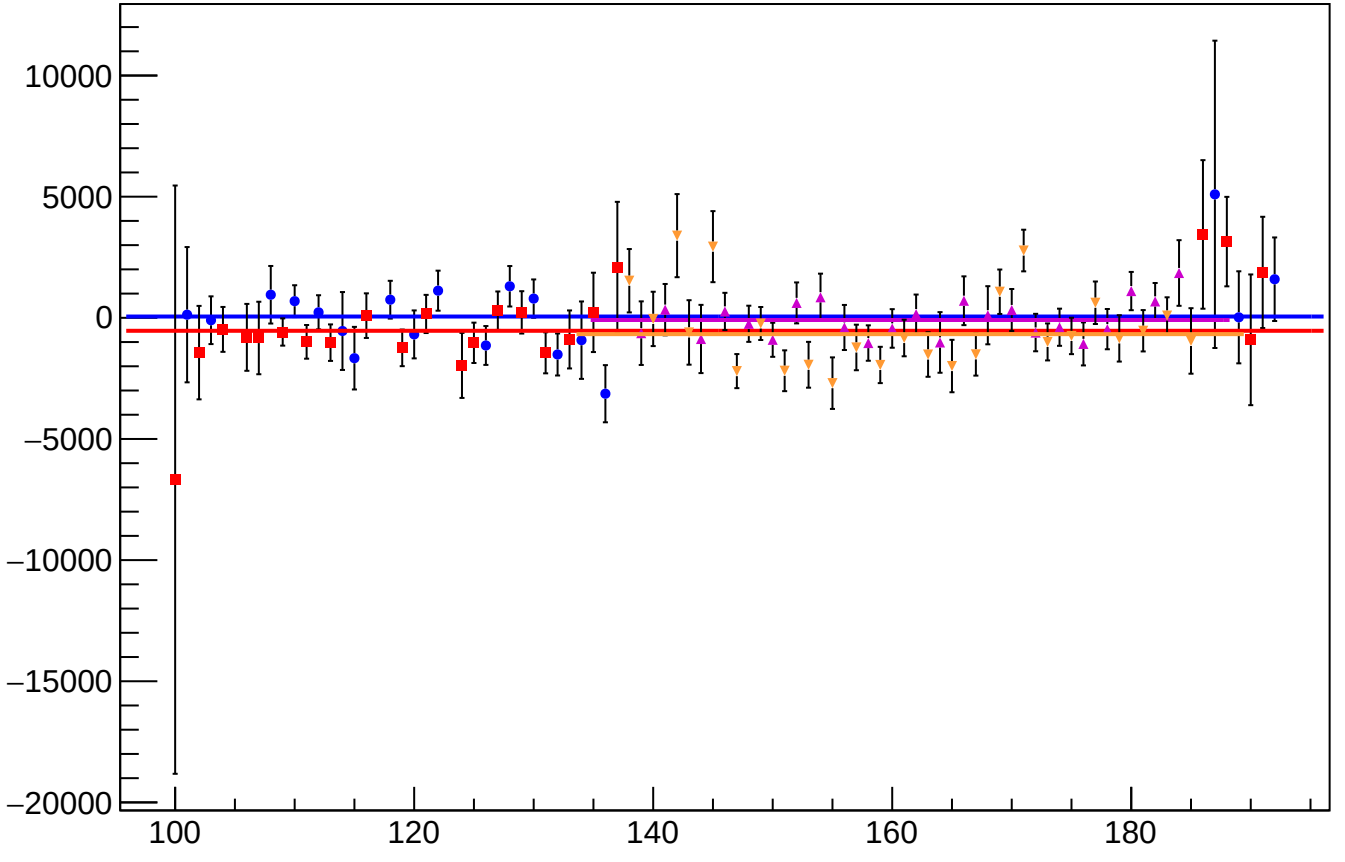
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.692+/-0.369 χ^2/NDF: 754663.3/43

All: 2759.176+/-0.262 χ^2/NDF: 1243419.8/89

- sign 2763.795+/-0.374 χ^2/NDF: 488456.0/45

asym_atr1_cor_correction_mean vs Slug



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

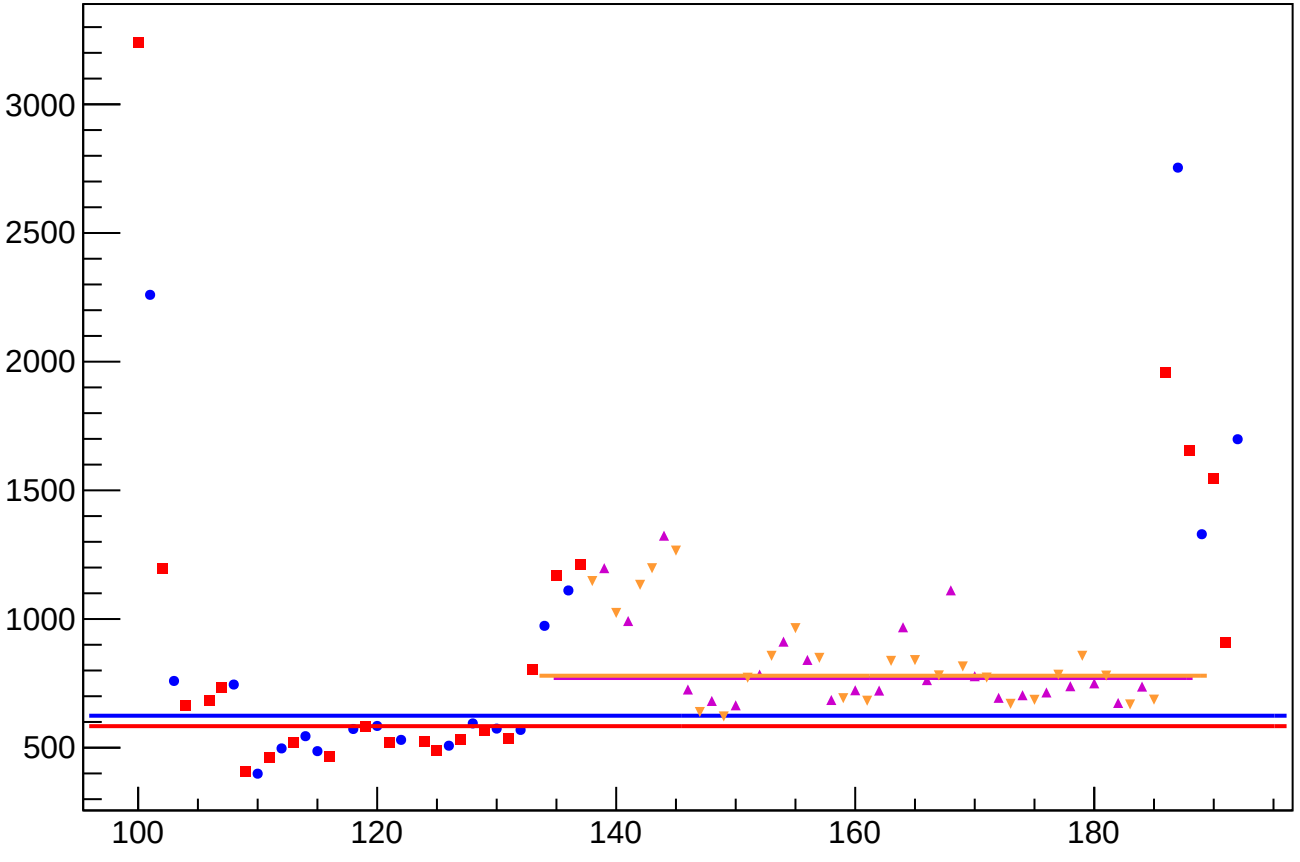
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -394.362+/-142.234 χ^2/NDF: 88.8/43

All: -335.871+/-99.351 χ^2/NDF: 122.4/89

- sign -280.142+/-138.835 χ^2/NDF: 33.3/45

asym_atr1_cor_correction_rms vs Slug



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

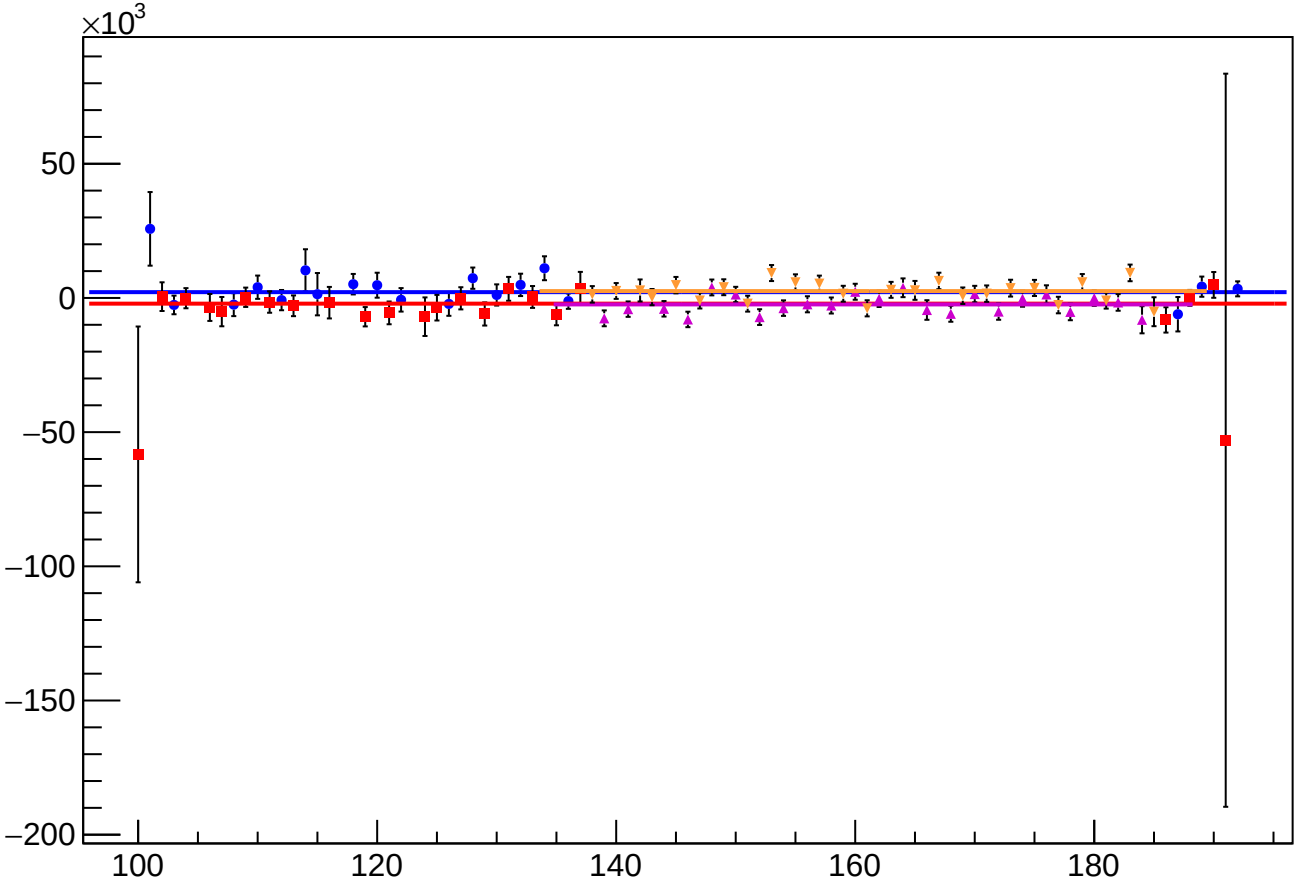
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 720.015+/-0.101 χ^2/NDF: 4693453.8/43

All: 705.064+/-0.070 χ^2/NDF: 9212553.9/89

- sign 690.820+/-0.098 χ^2/NDF: 4475949.7/45

eigen_cor_asym_atr1_mean vs Slug



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

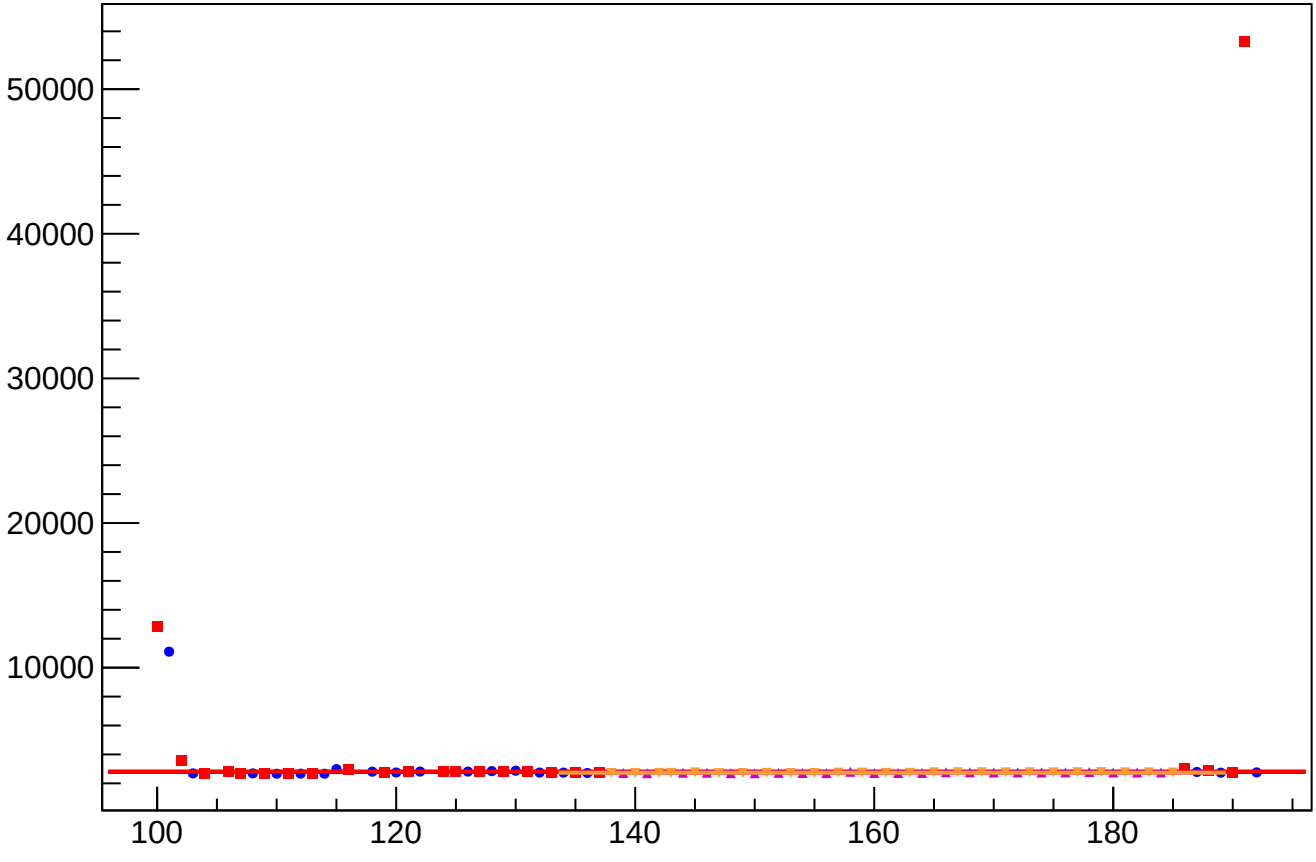
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2440.082+/-521.164 χ^2/NDF: 51.6/43

All: 96.276+/-371.225 χ^2/NDF: 139.4/89

- sign -2317.669+/-528.905 χ^2/NDF: 46.7/45

eigen_cor_asym_atr1_rms vs Slug



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

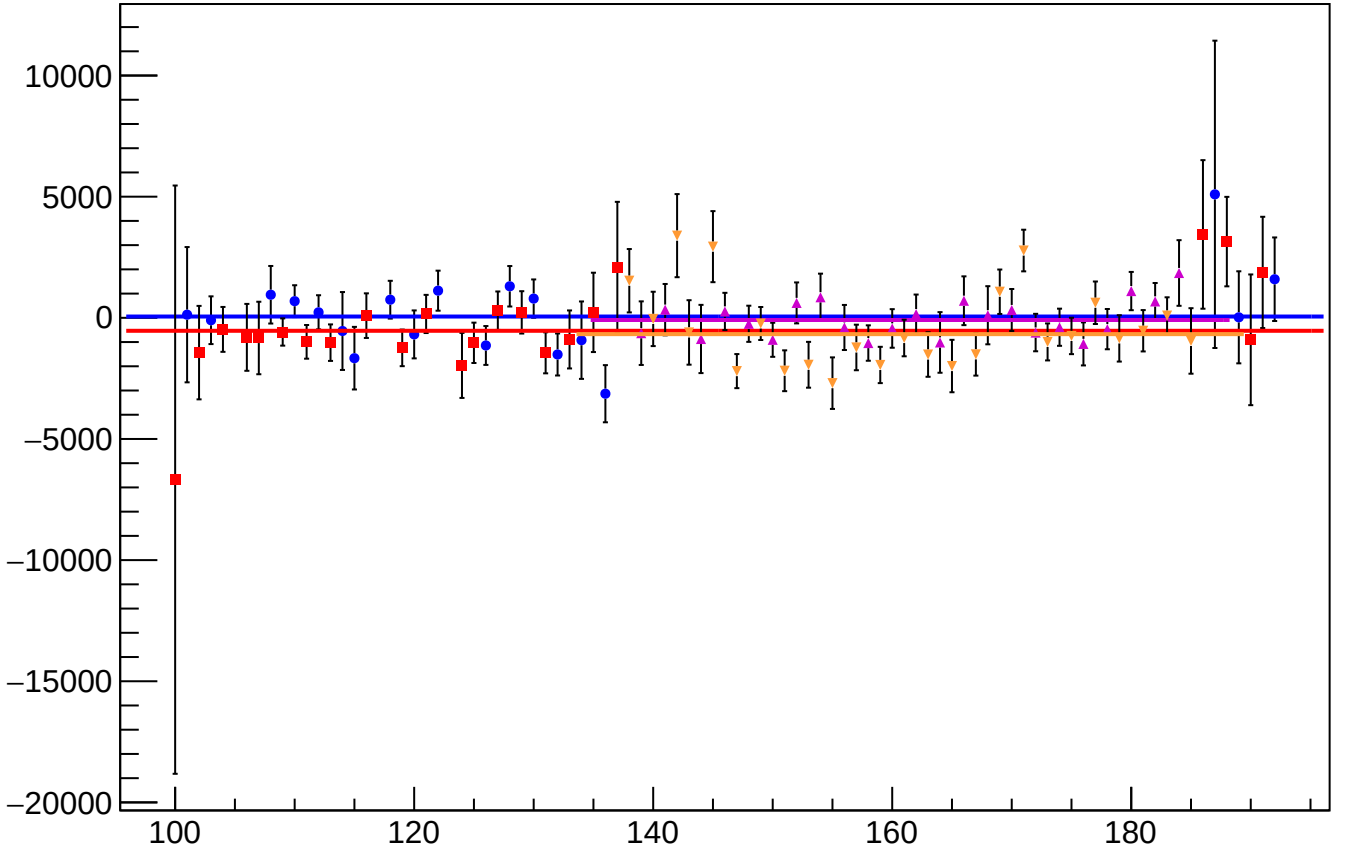
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.692+/-0.369 χ^2/NDF: 754663.3/43

All: 2759.176+/-0.262 χ^2/NDF: 1243419.8/89

- sign 2763.795+/-0.374 χ^2/NDF: 488456.0/45

asym_atr1_eigen_cor_correction_mean vs Slug



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

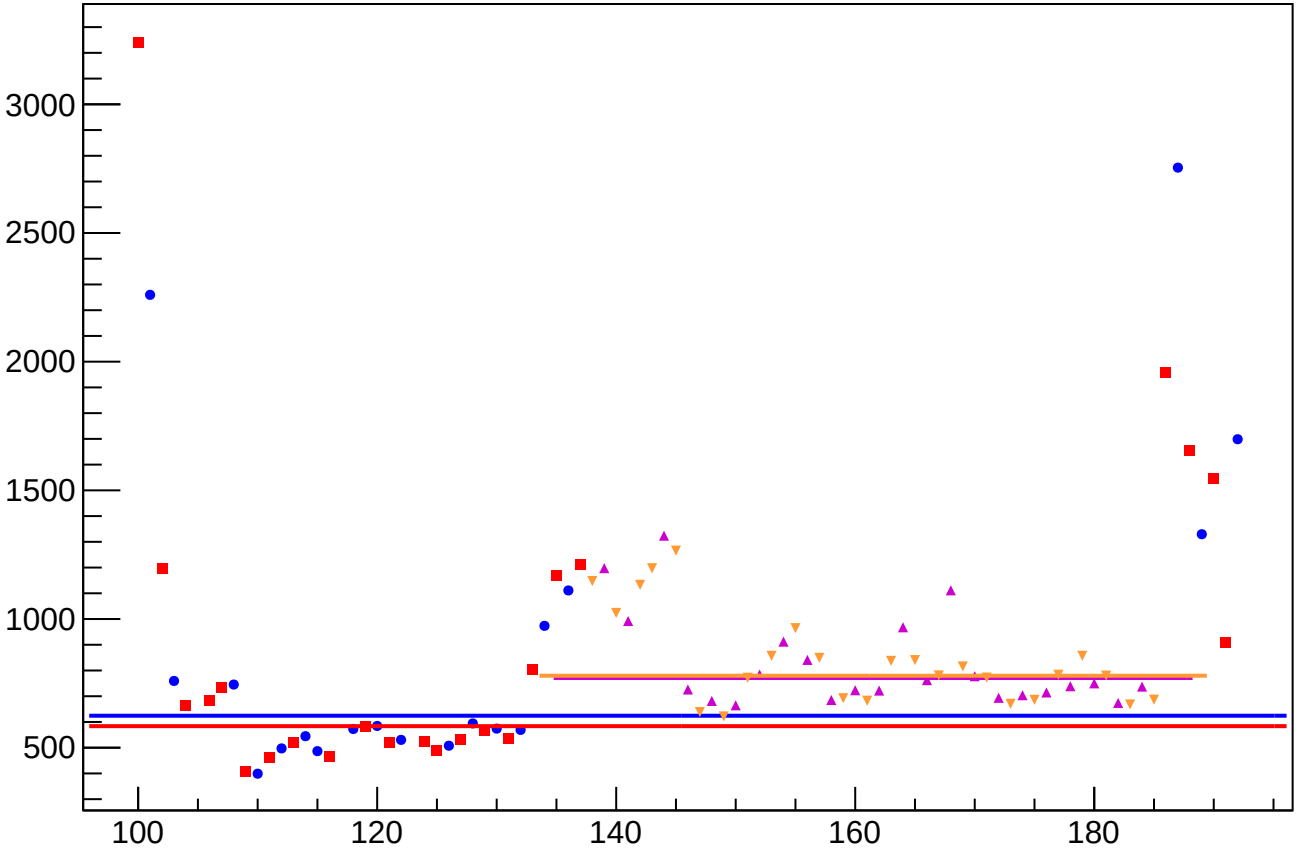
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -394.362+/-142.234 χ^2/NDF: 88.8/43

All: -335.871+/-99.351 χ^2/NDF: 122.4/89

- sign -280.142+/-138.835 χ^2/NDF: 33.3/45

asym_atr1_eigen_cor_correction_rms vs Slug



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

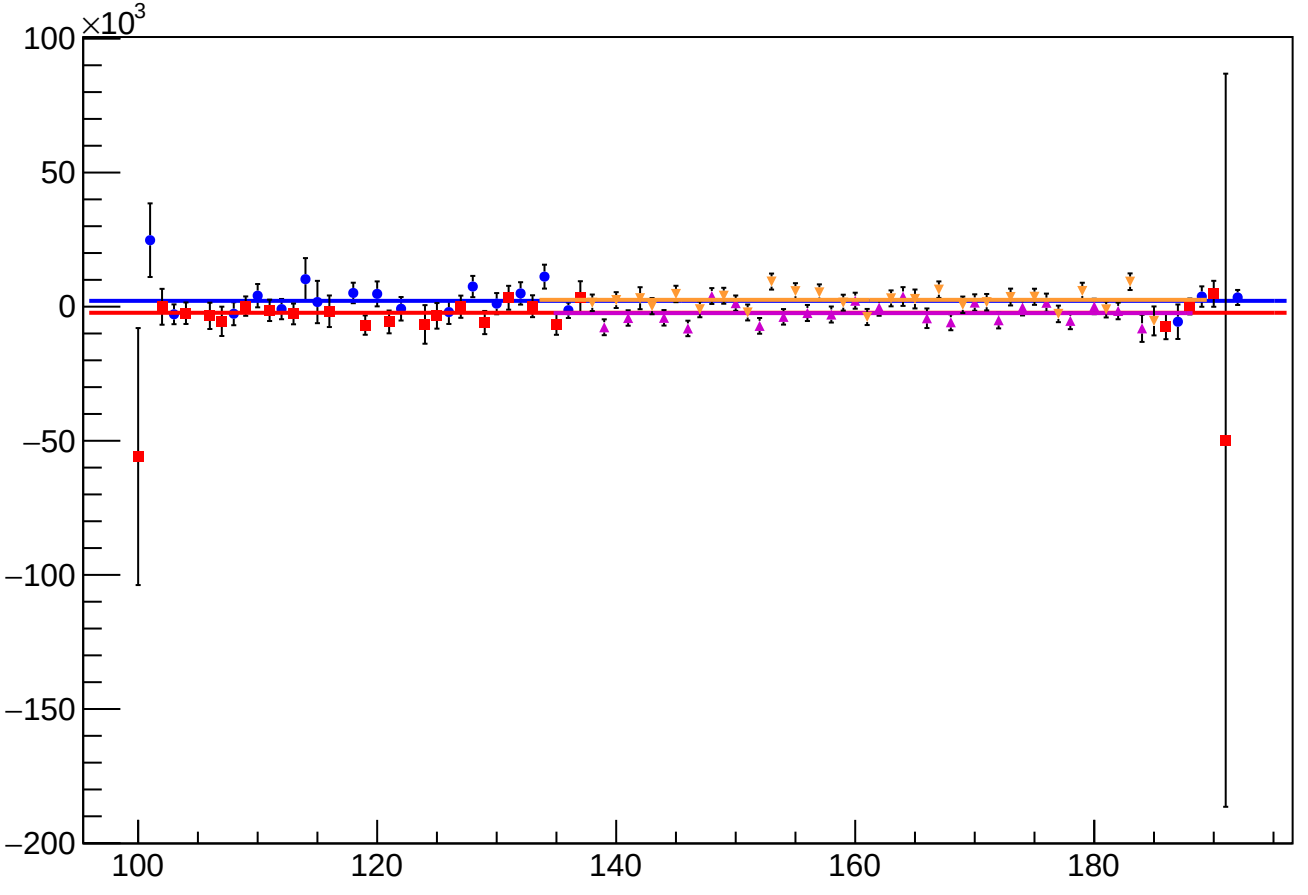
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 720.015+/-0.101 χ^2/NDF: 4693453.8/43

All: 705.064+/-0.070 χ^2/NDF: 9212553.9/89

- sign 690.820+/-0.098 χ^2/NDF: 4475949.7/45

dit_asym_atr1_mean vs Slug



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

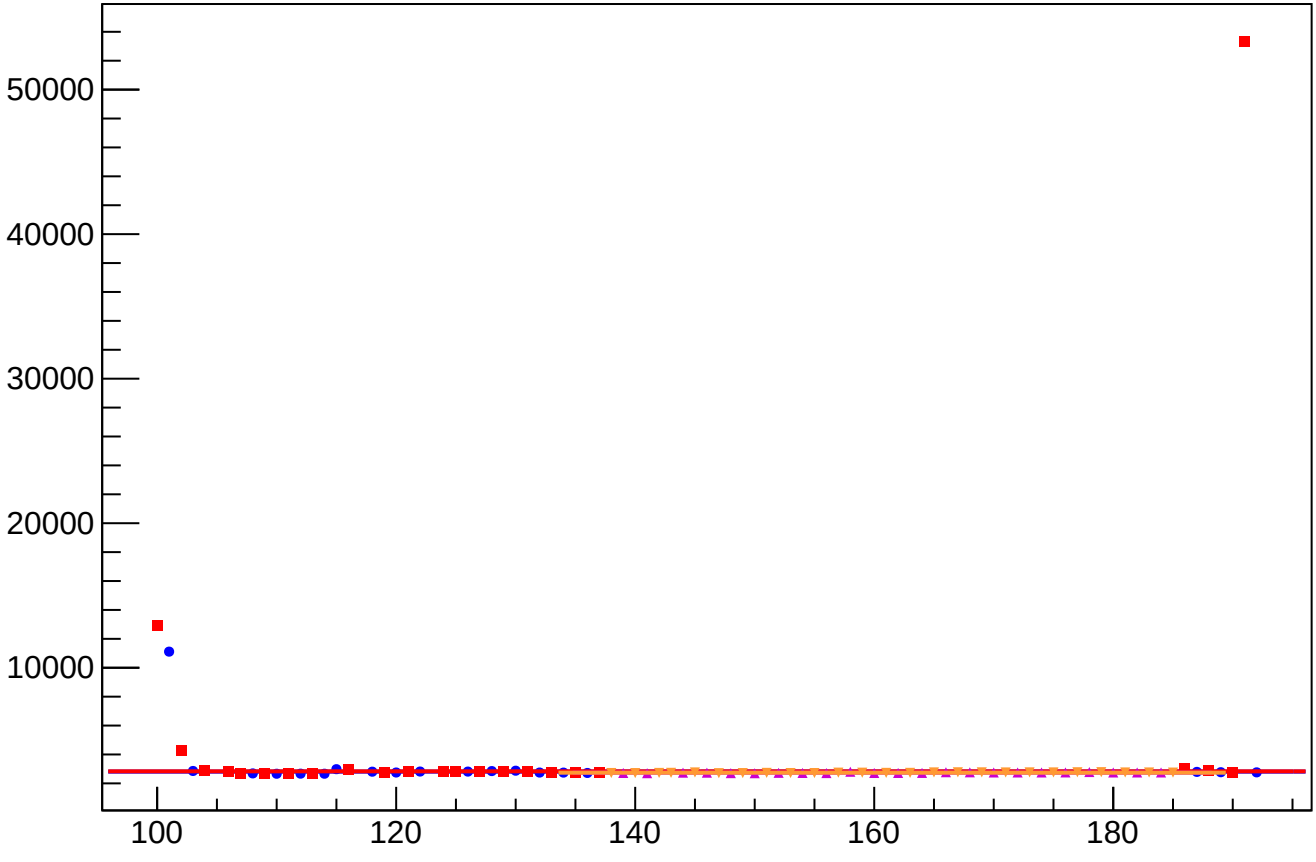
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2434.214+/-522.339 χ^2/NDF: 51.7/43

All: 71.738+/-372.298 χ^2/NDF: 139.3/89

- sign -2367.697+/-530.779 χ^2/NDF: 46.0/45

dit_asym_atr1_rms vs Slug



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

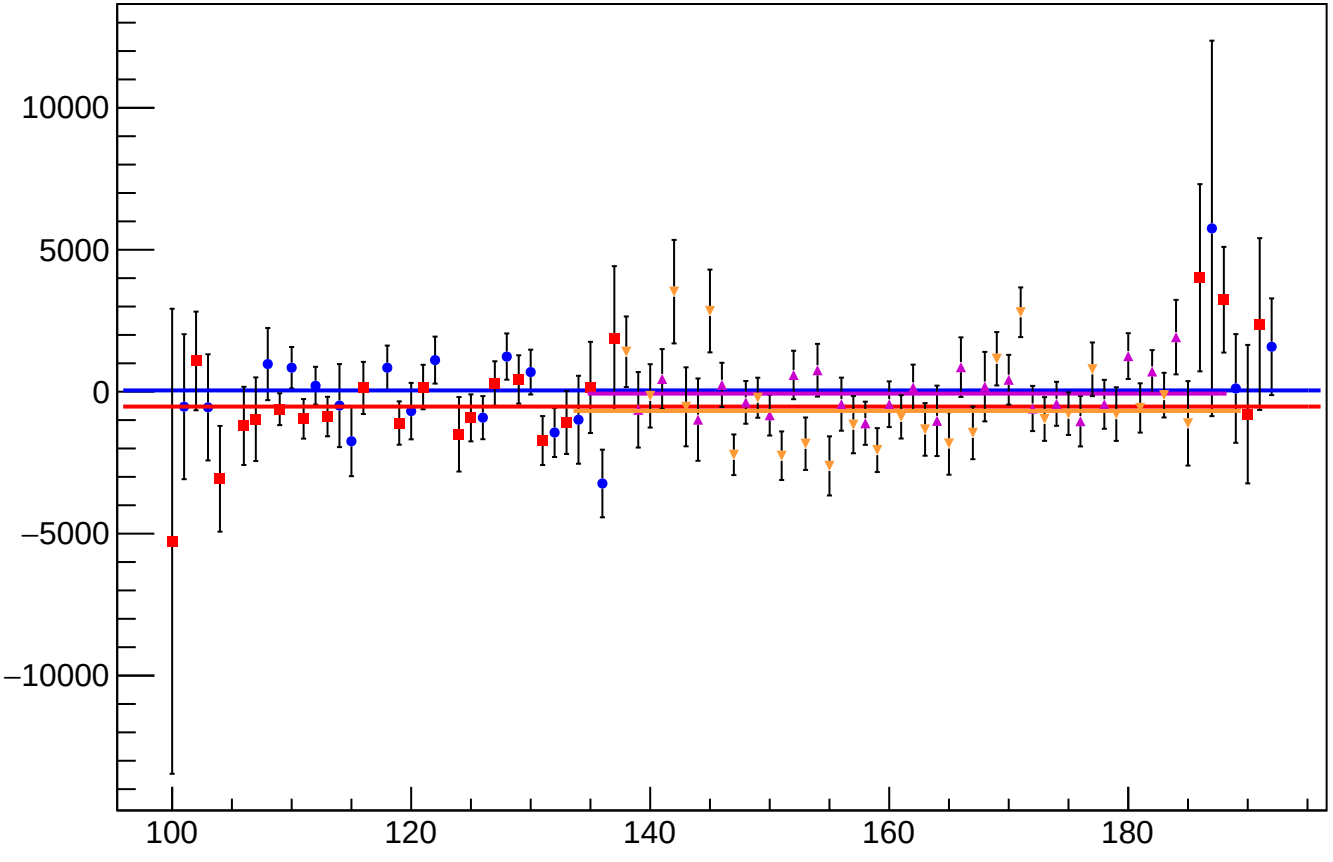
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.867+/-0.369 χ^2/NDF: 755464.8/43

All: 2765.463+/-0.263 χ^2/NDF: 1301033.1/89

- sign 2770.209+/-0.375 χ^2/NDF: 545253.5/45

asym_atr1_dit_correction_mean vs Slug



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

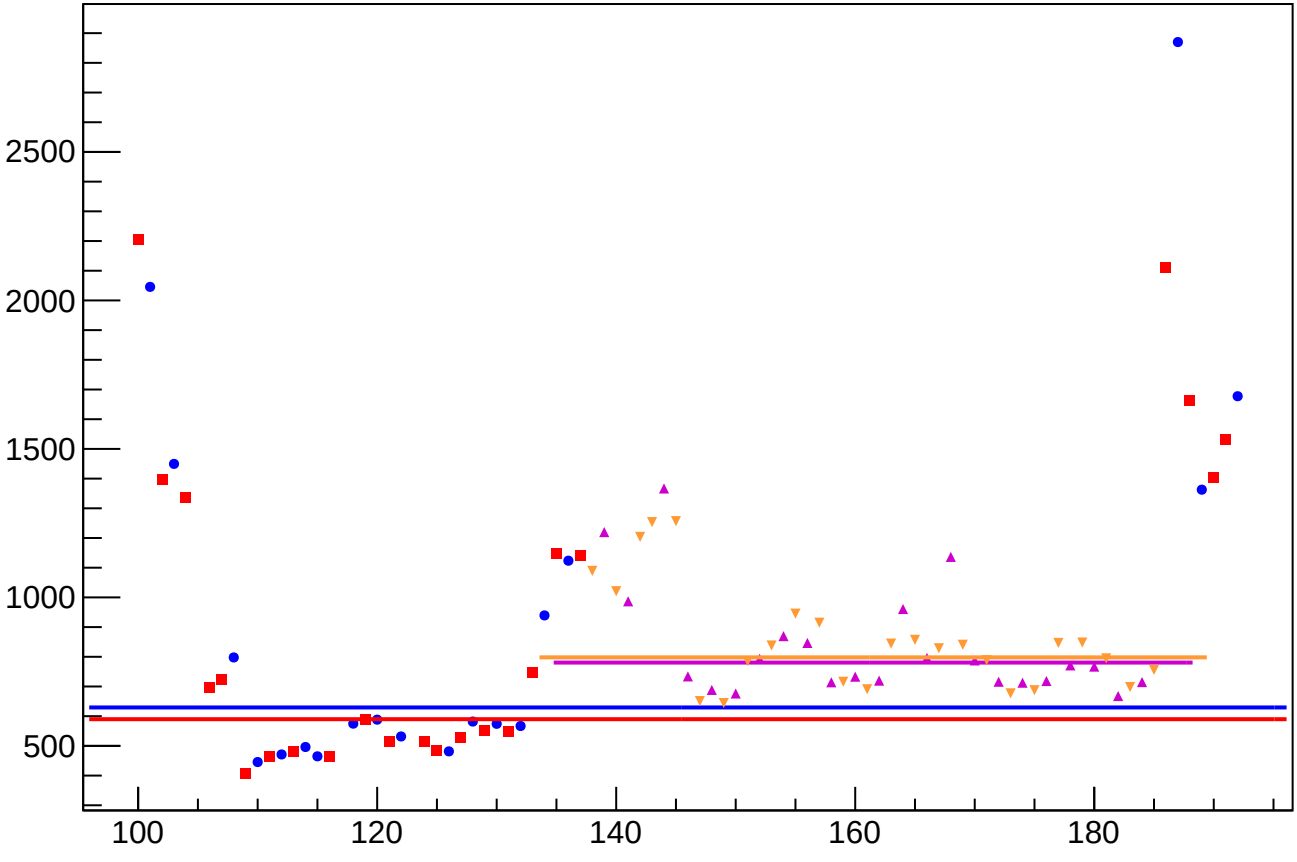
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -398.838+/-144.954 χ^2/NDF: 86.5/43

All: -328.729+/-100.733 χ^2/NDF: 124.6/89

- sign -263.249+/-140.087 χ^2/NDF: 37.7/45

asym_atr1_dit_correction_rms vs Slug



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

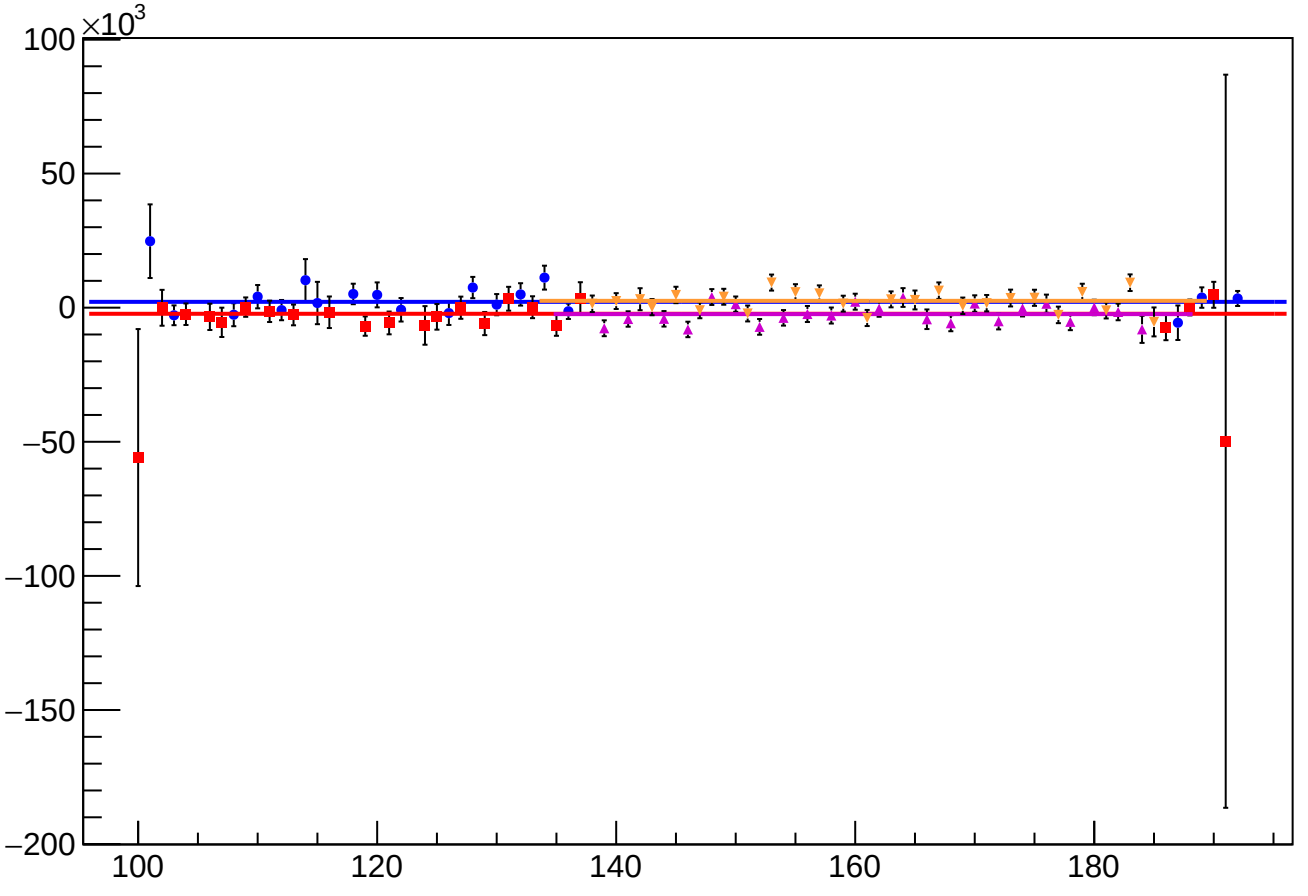
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 732.960+/-0.102 χ^2/NDF: 4985808.7/43

All: 715.234+/-0.071 χ^2/NDF: 10197699.3/89

- sign 698.677+/-0.099 χ^2/NDF: 5154044.9/45

eigen_dit_asym_atr1_mean vs Slug



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

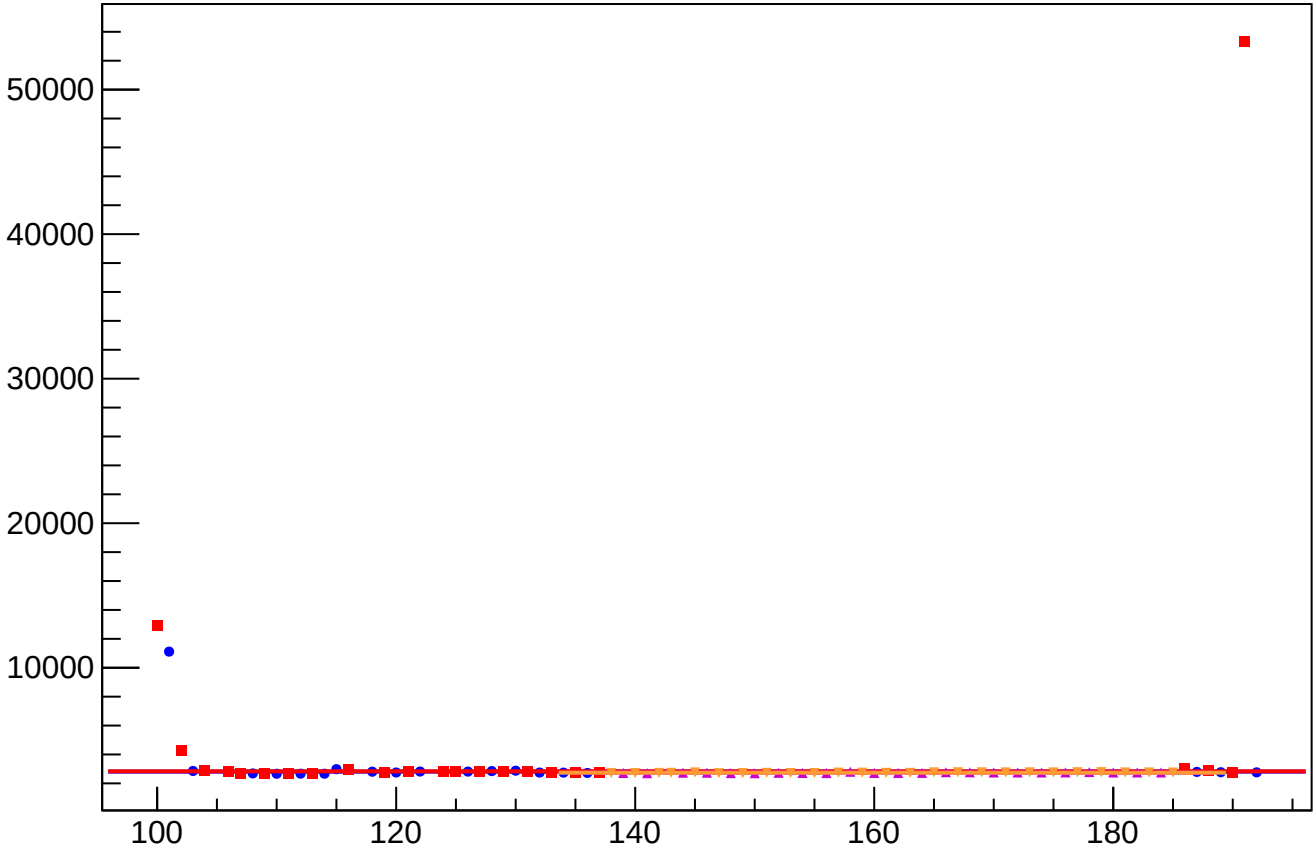
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2434.214+/-522.339 χ^2/NDF: 51.7/43

All: 71.739+/-372.298 χ^2/NDF: 139.3/89

- sign -2367.696+/-530.779 χ^2/NDF: 46.0/45

eigen_dit_asym_atr1_rms vs Slug



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

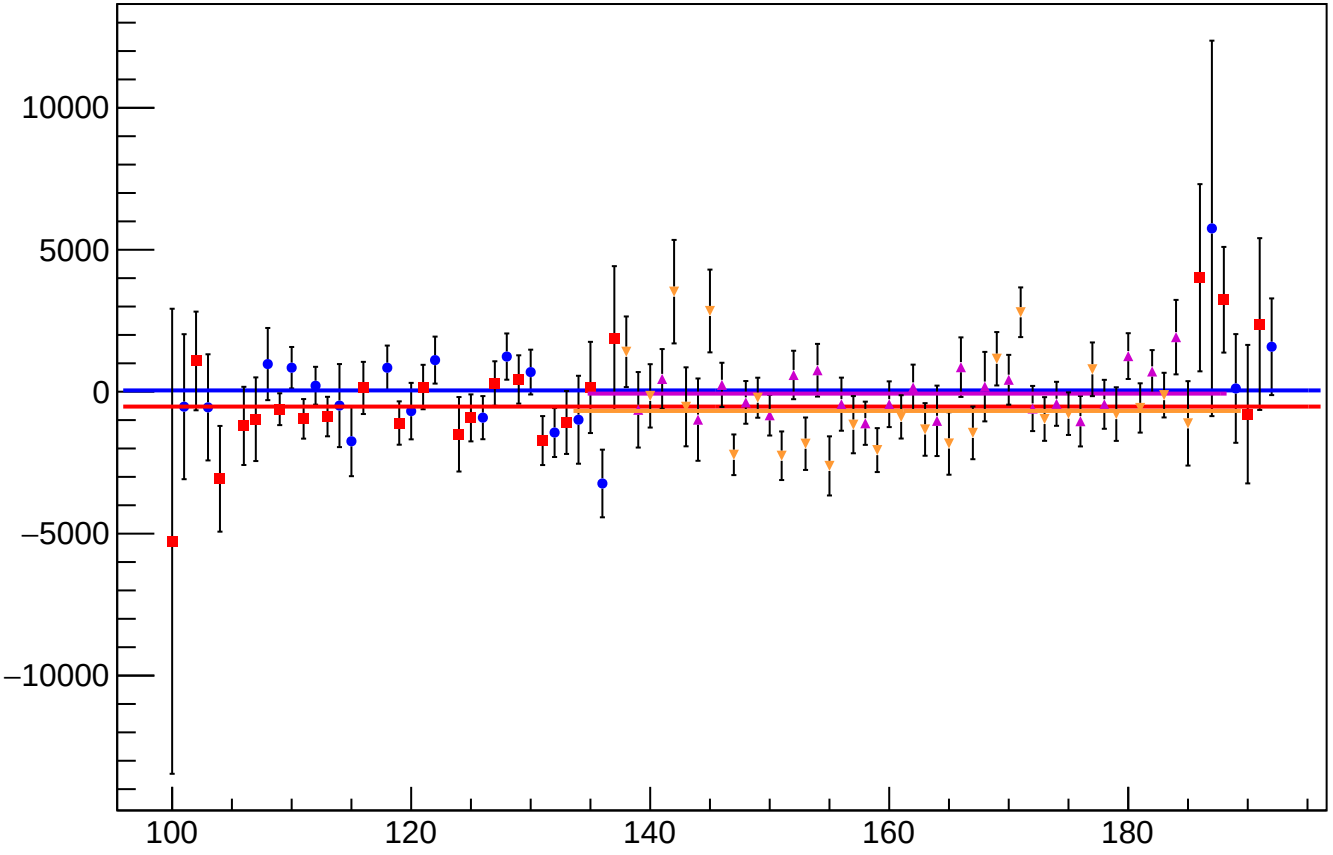
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.867+/-0.369 χ^2/NDF: 755464.8/43

All: 2765.463+/-0.263 χ^2/NDF: 1301032.8/89

- sign 2770.209+/-0.375 χ^2/NDF: 545253.3/45

asym_atr1_eigen_dit_correction_mean vs Slug



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

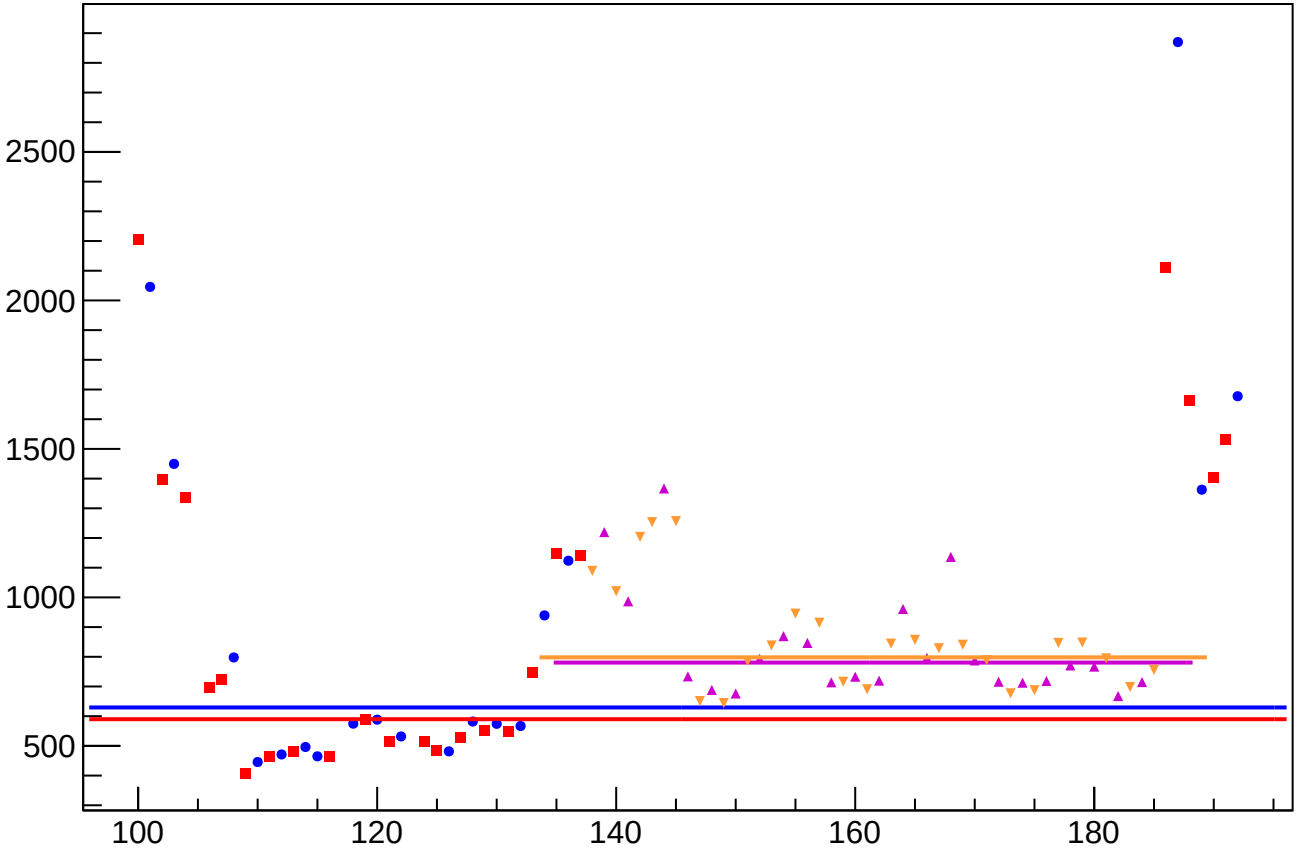
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -398.839+/-144.954 χ^2/NDF: 86.5/43

All: -328.729+/-100.733 χ^2/NDF: 124.6/89

- sign -263.249+/-140.087 χ^2/NDF: 37.7/45

asym_atr1_eigen_dit_correction_rms vs Slug



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

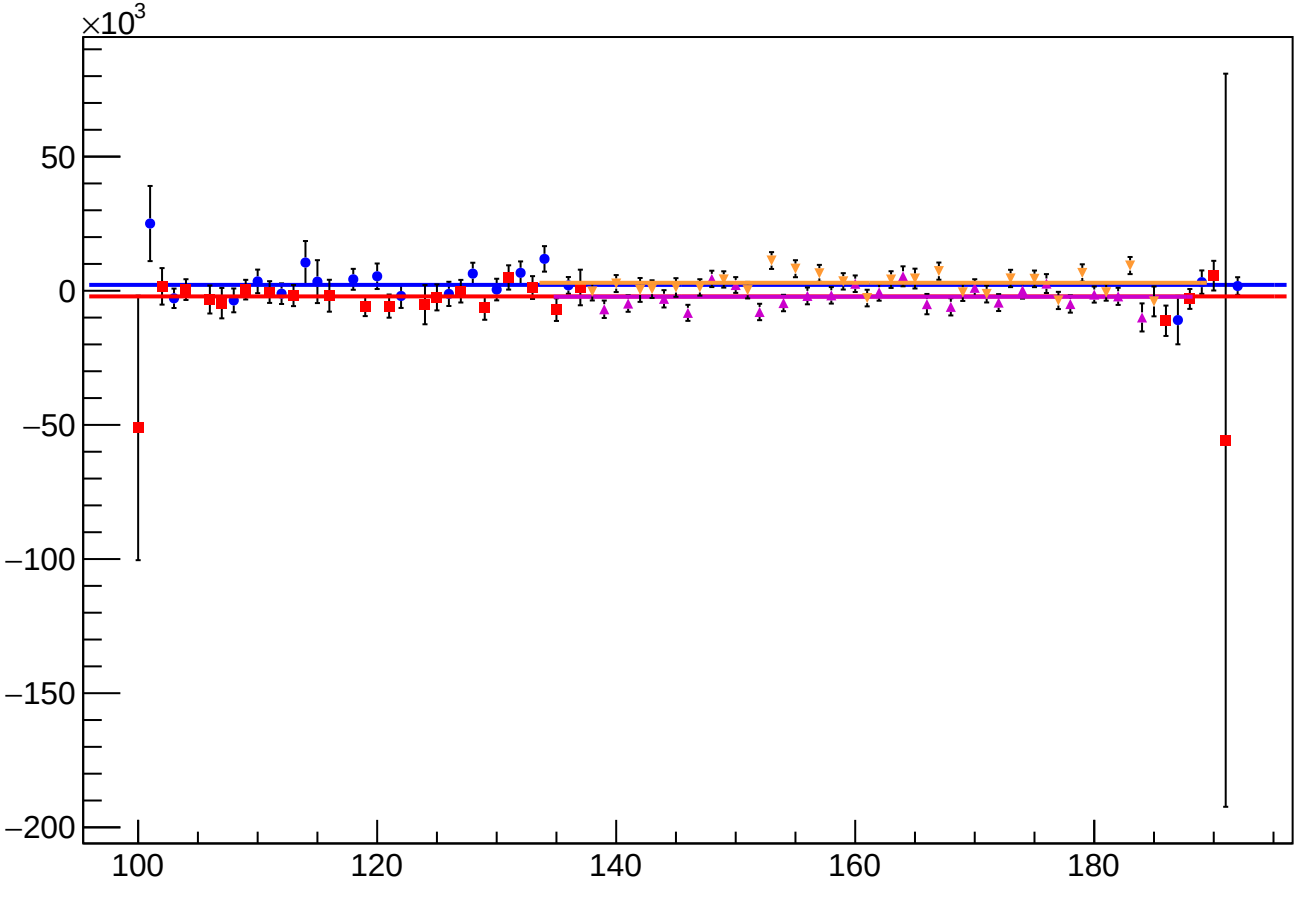
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 732.960+/-0.102 χ^2/NDF: 4985802.3/43

All: 715.234+/-0.071 χ^2/NDF: 10197692.5/89

- sign 698.678+/-0.099 χ^2/NDF: 5154043.7/45

asym_atr1_mean vs Slug



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

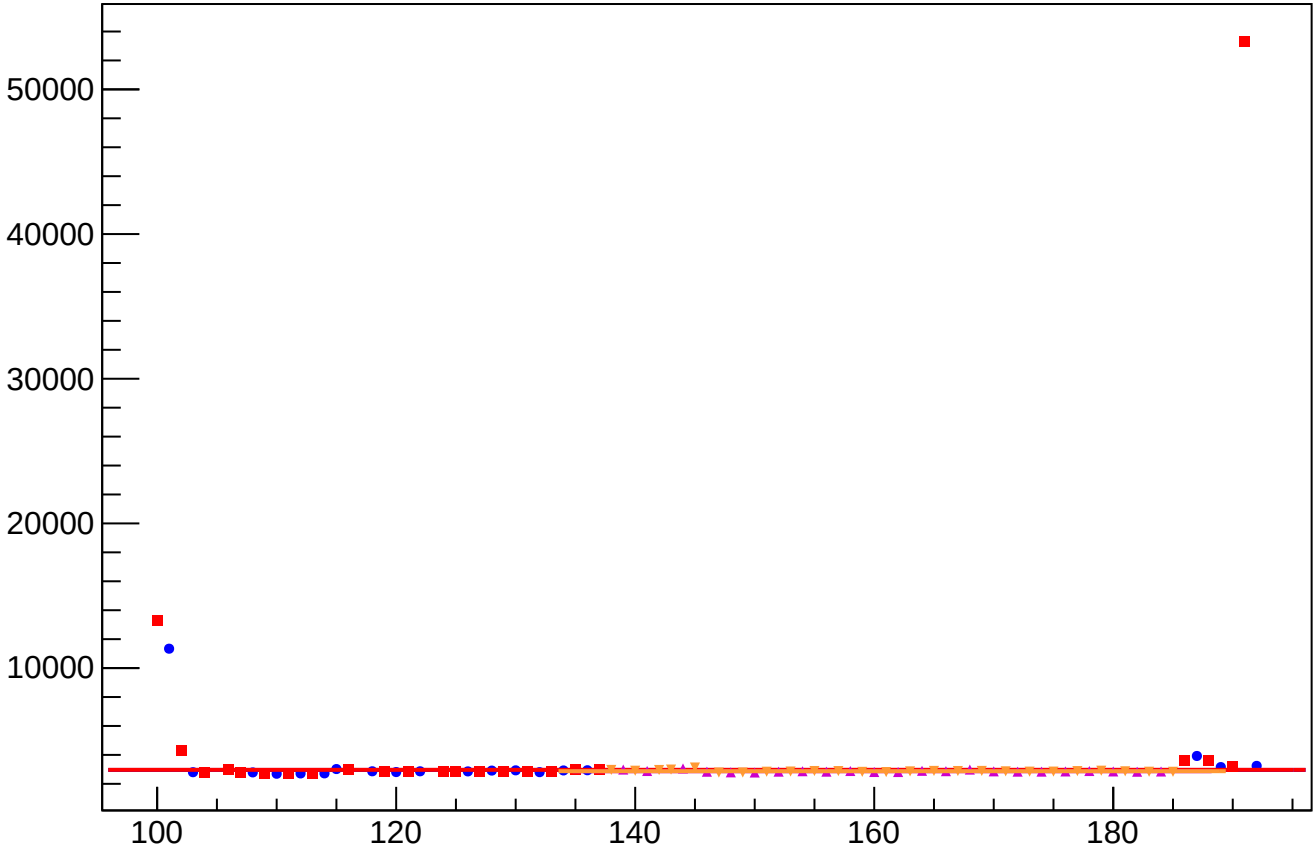
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2739.942+/-549.005 χ^2/NDF: 55.2/43

All: 305.842+/-390.880 χ^2/NDF: 143.9/89

- sign -2196.512+/-556.649 χ^2/NDF: 48.9/45

asym_atr1_rms vs Slug



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

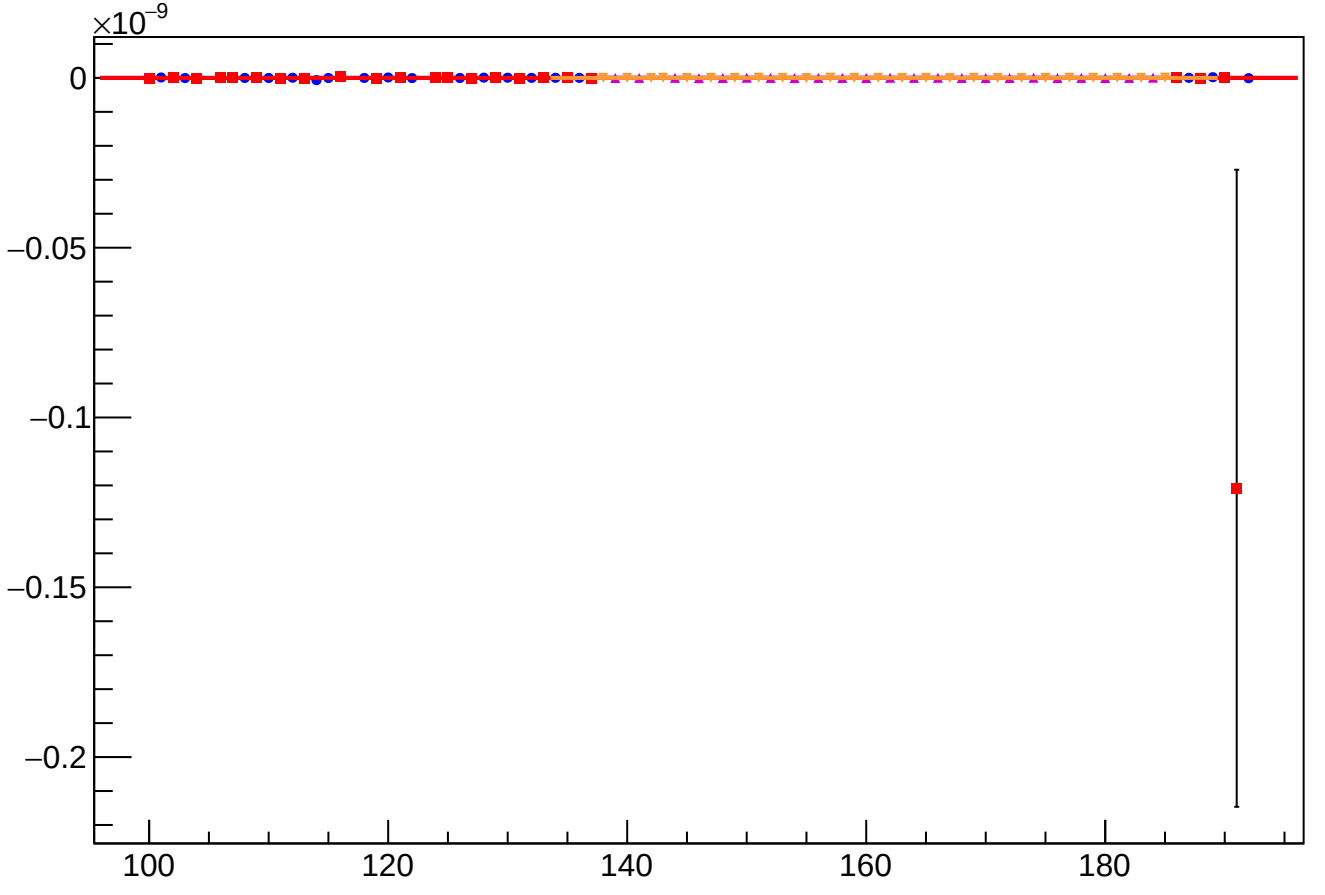
Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2899.637+/-0.388 χ^2/NDF: 820819.8/43

All: 2899.971+/-0.276 χ^2/NDF: 1466436.3/89

- sign 2900.315+/-0.394 χ^2/NDF: 645615.0/45

asym_atr1_reg_vs_cor_diff_mean vs Slug



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

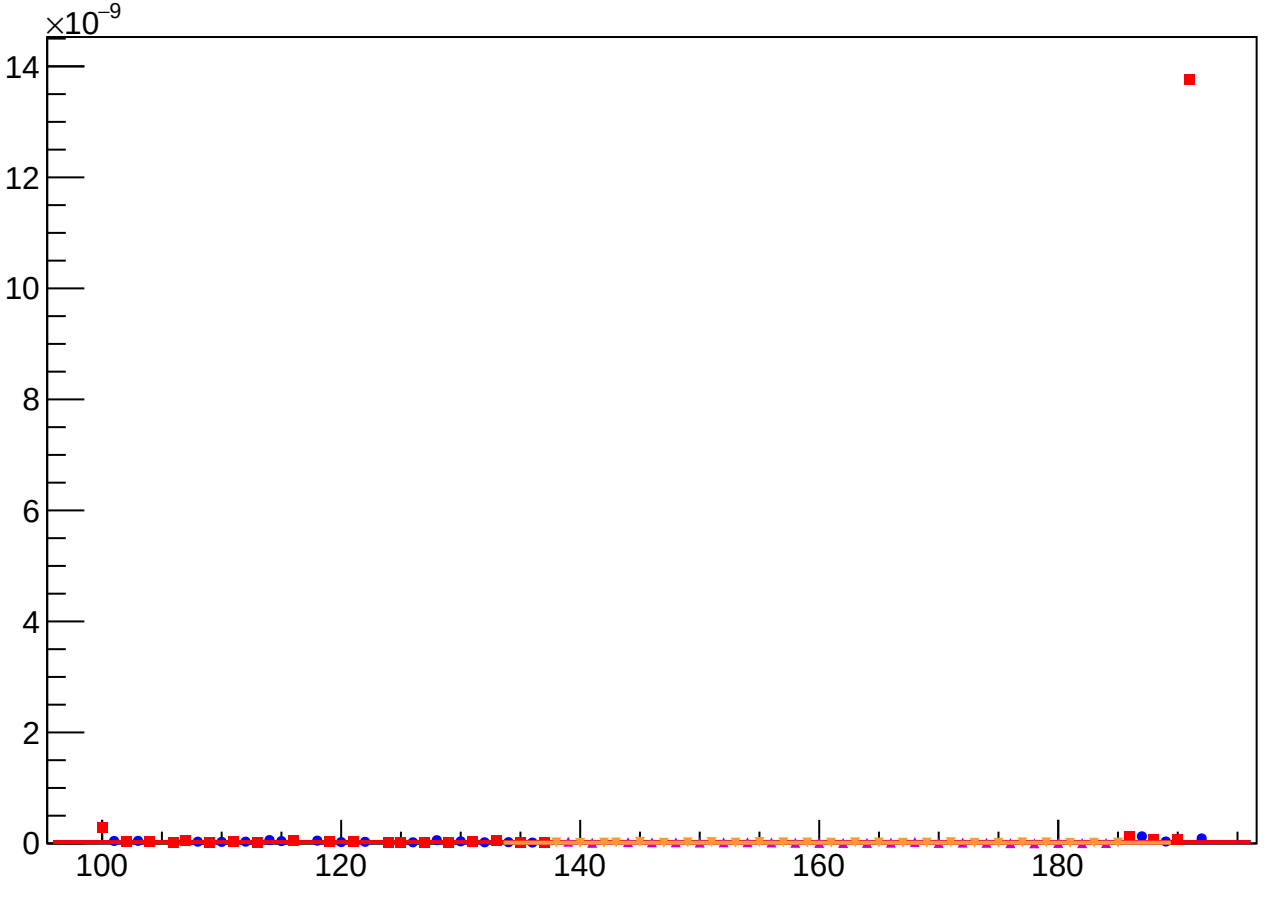
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.3/43

All: 0.000+/-0.000 χ^2/NDF: 89.1/89

- sign 0.000+/-0.000 χ^2/NDF: 58.7/45

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1402622.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1365157.5/22

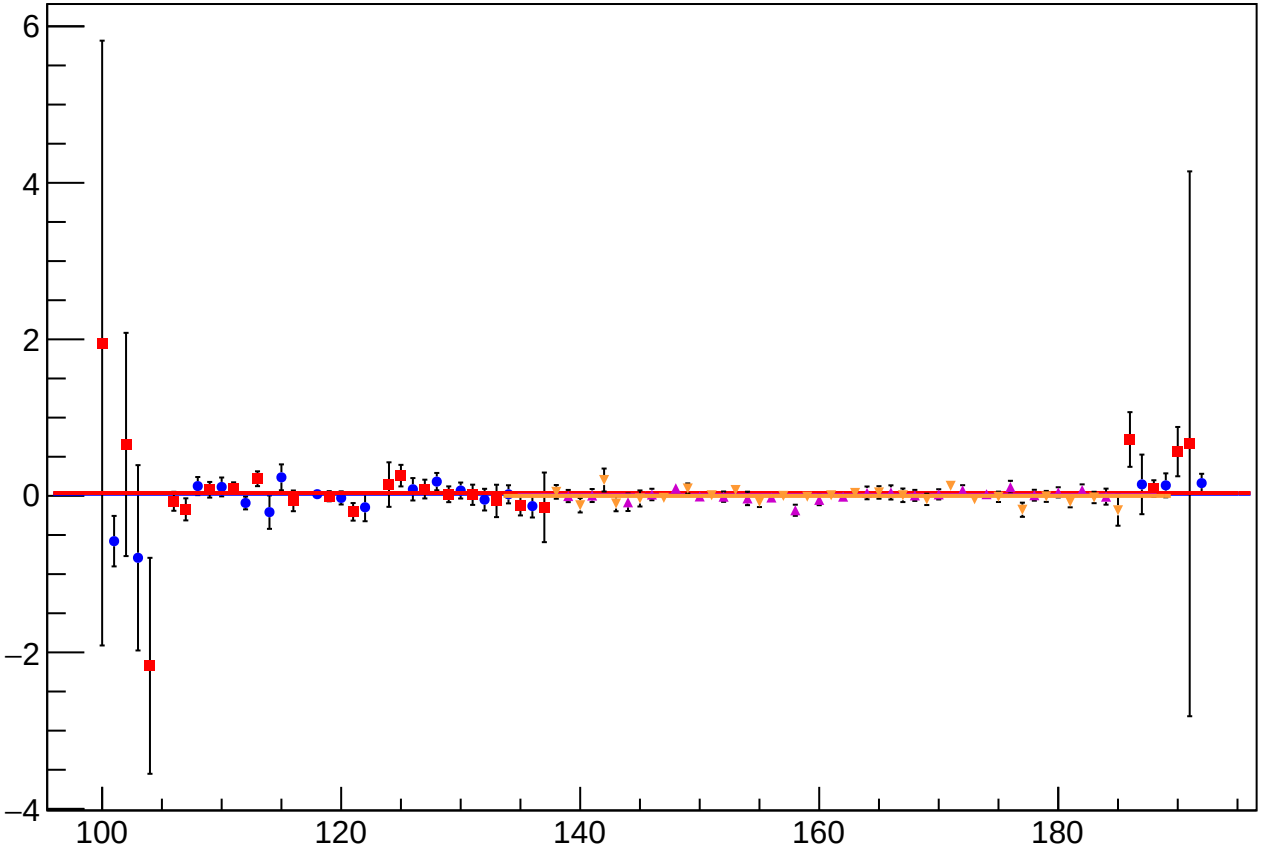
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 3829793.1/43

All: 0.000+/-0.000 χ^2/NDF: 9989983.7/89

- sign 0.000+/-0.000 χ^2/NDF: 5873656.0/45

asym_atr1_dit_vs_cor_diff_mean vs Slug



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

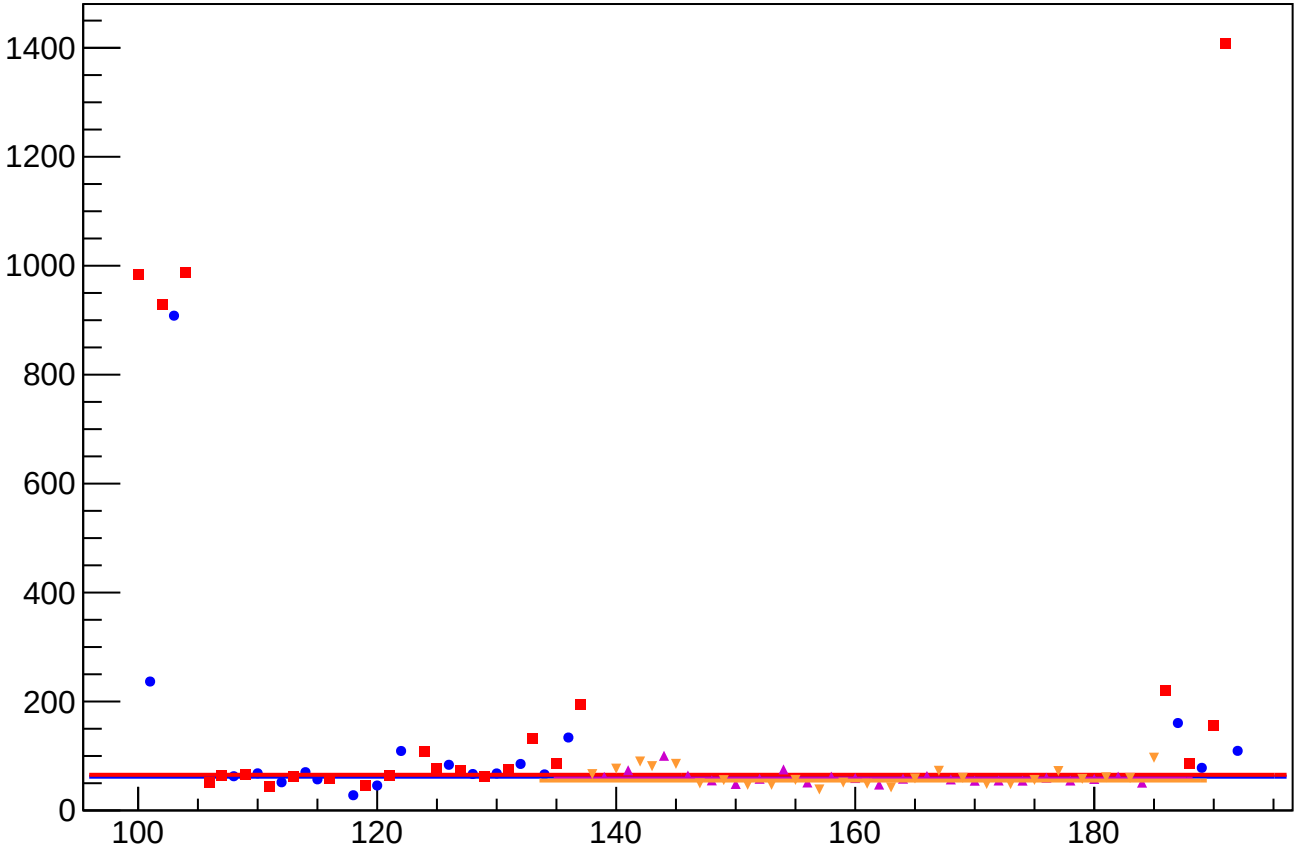
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.006+/-0.012 χ^2/NDF: 40.5/43

All: 0.010+/-0.009 χ^2/NDF: 85.1/89

- sign 0.015+/-0.013 χ^2/NDF: 44.3/45

asym_atr1_dit_vs_cor_diff_rms vs Slug



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

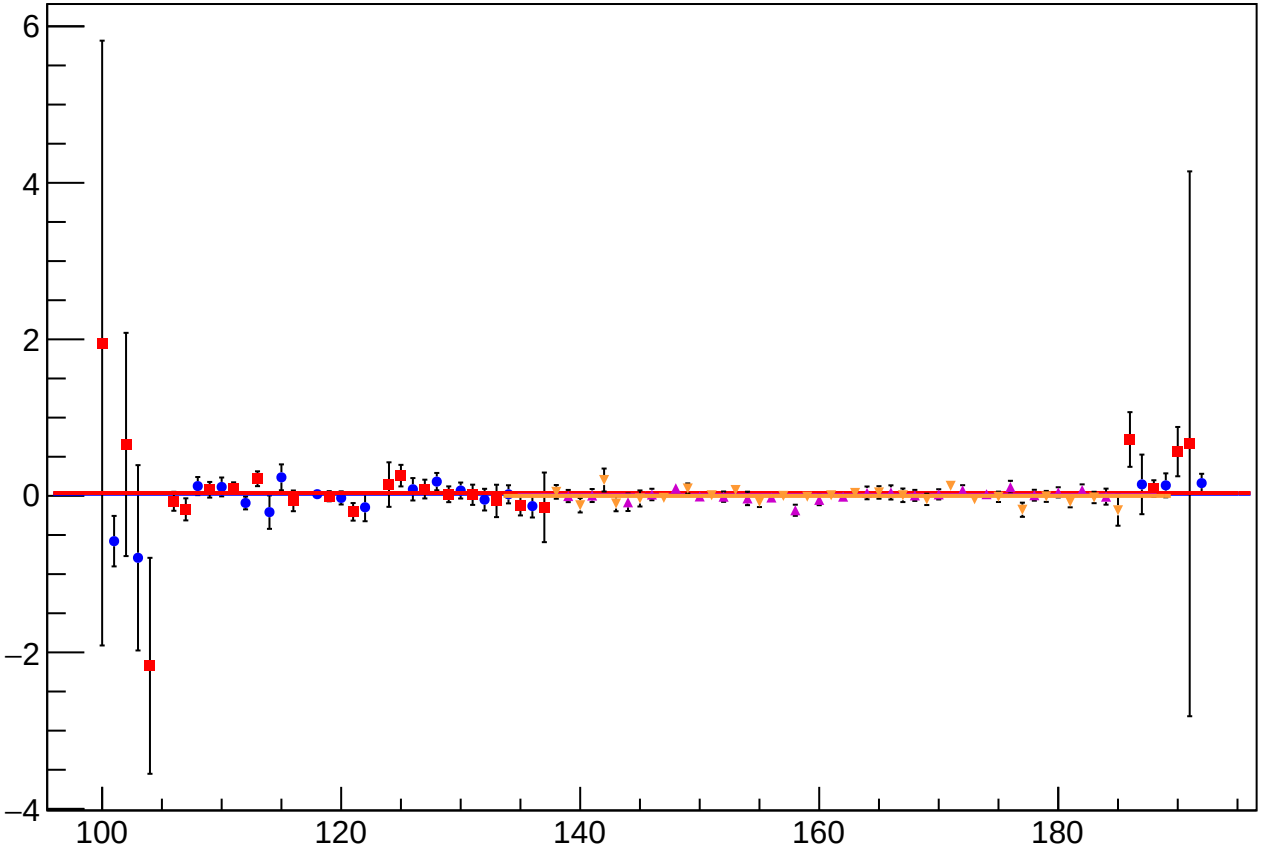
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 56.474+/-0.009 χ^2/NDF: 5177301.4/43

All: 58.090+/-0.006 χ^2/NDF: 9611977.2/89

- sign 59.850+/-0.009 χ^2/NDF: 4364308.4/45

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



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

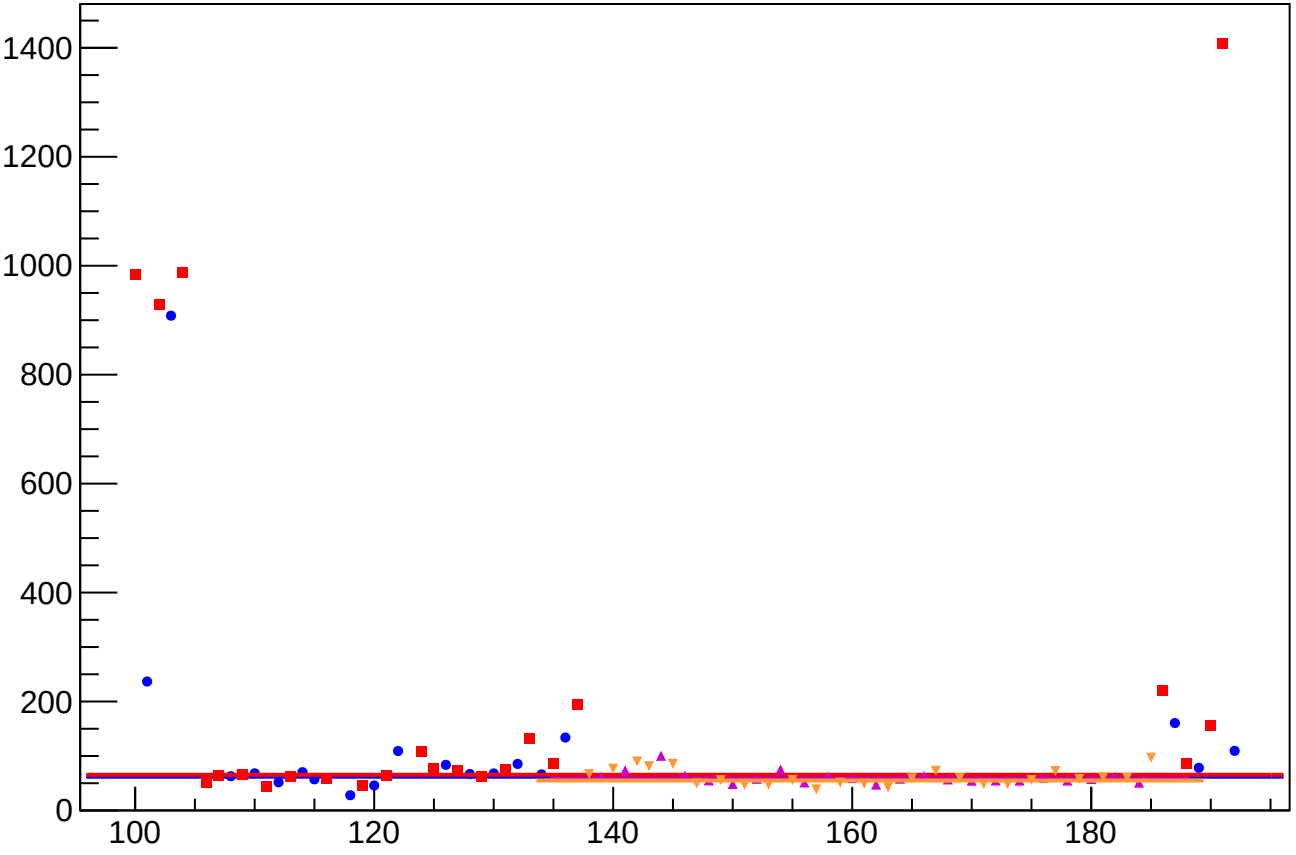
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.006+/-0.012 χ^2/NDF: 40.5/43

All: 0.010+/-0.009 χ^2/NDF: 85.1/89

- sign 0.015+/-0.013 χ^2/NDF: 44.3/45

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



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

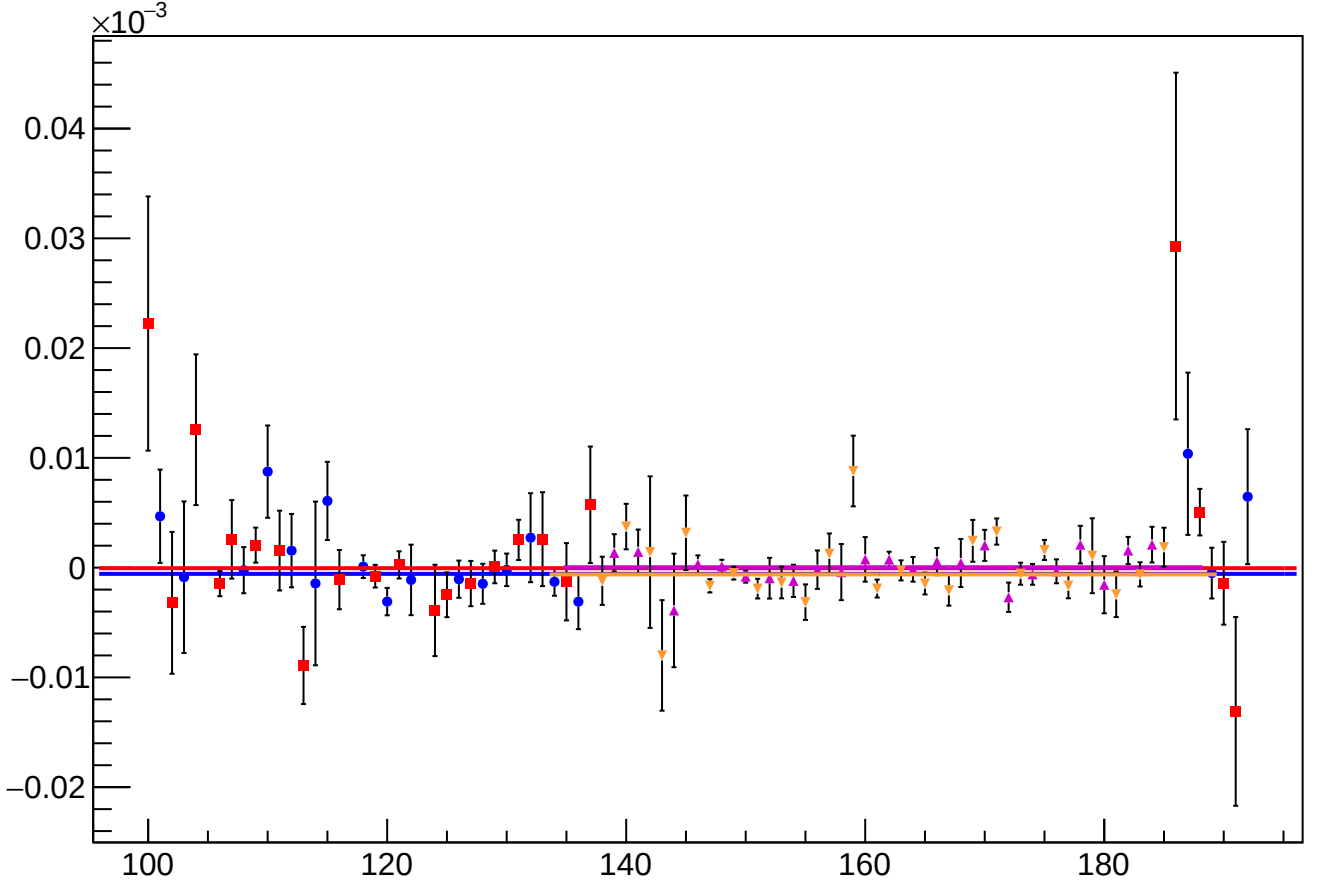
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 56.474+/-0.009 χ^2/NDF: 5177301.4/43

All: 58.090+/-0.006 χ^2/NDF: 9611977.2/89

- sign 59.850+/-0.009 χ^2/NDF: 4364308.4/45

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



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

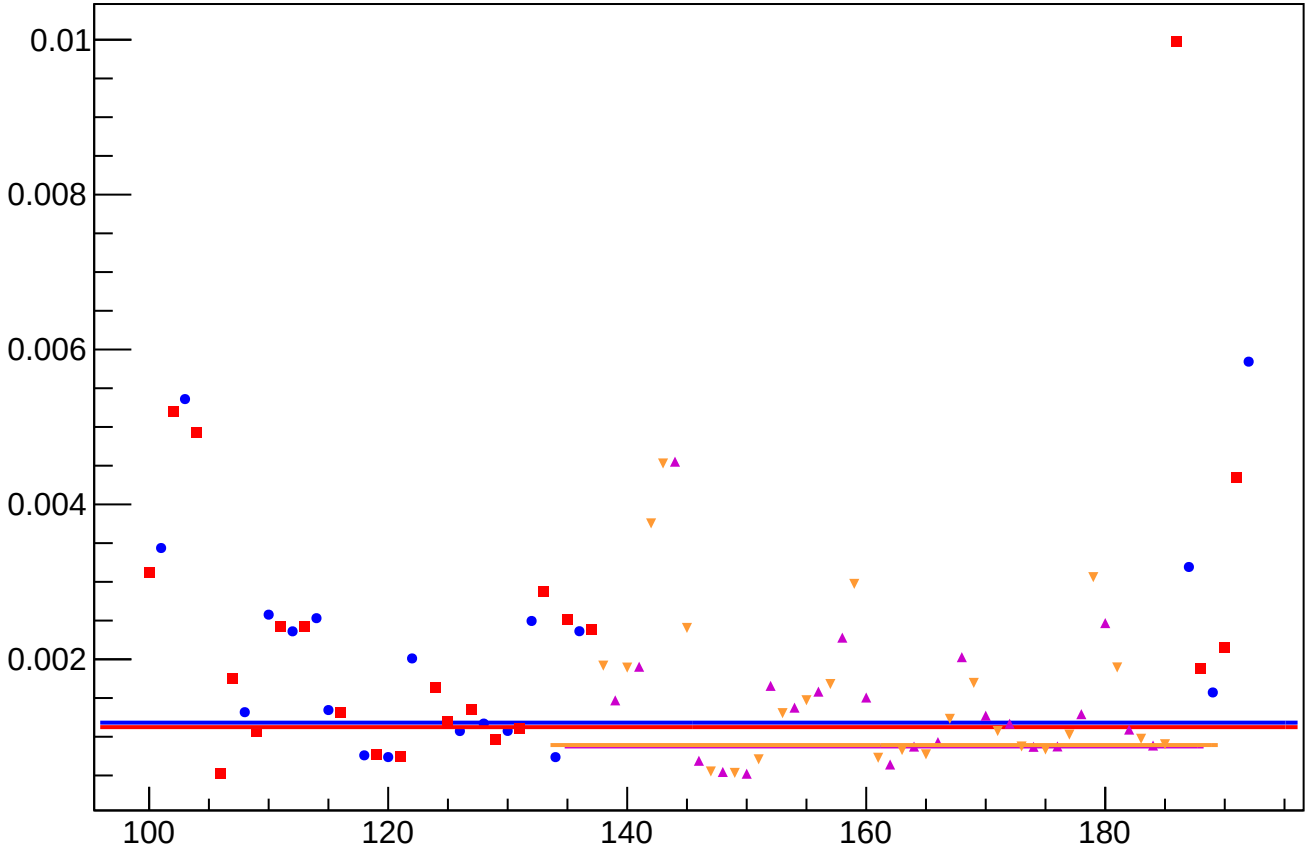
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.6/43

All: -0.000+/-0.000 χ^2/NDF: 132.7/89

- sign 0.000+/-0.000 χ^2/NDF: 54.7/45

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



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

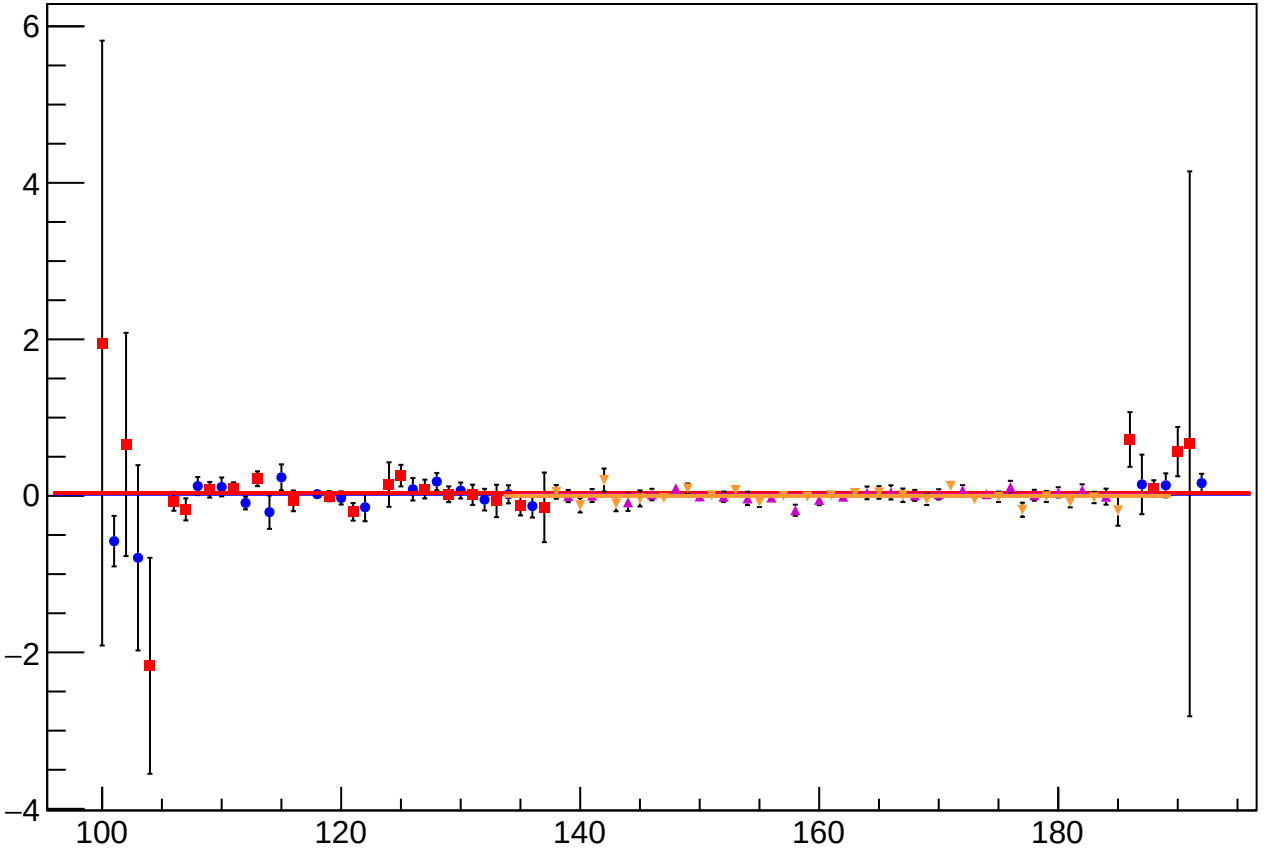
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 13166555.0/43

All: 0.001+/-0.000 χ^2/NDF: 25827064.9/89

- sign 0.001+/-0.000 χ^2/NDF: 12651317.2/45

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



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

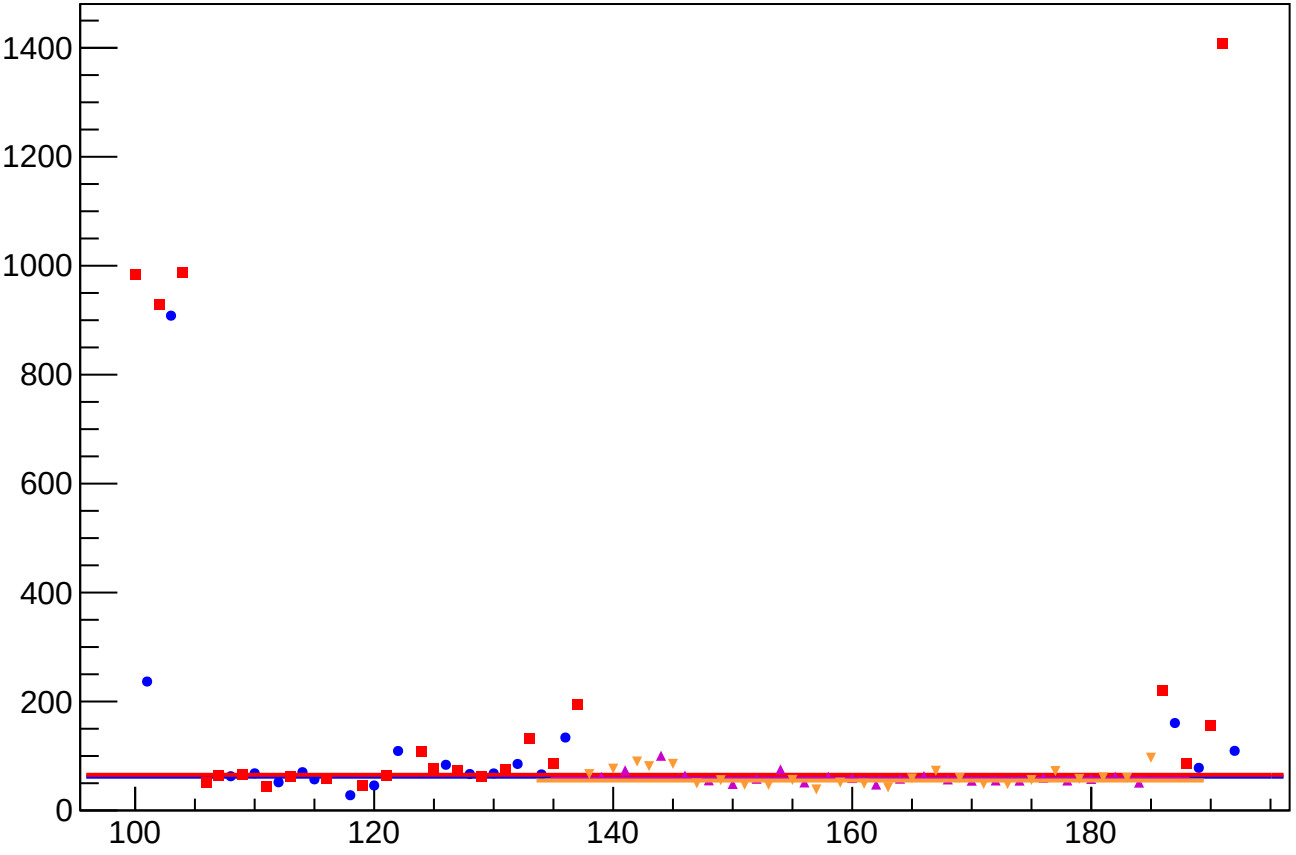
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.006+/-0.012 χ^2/NDF: 40.5/43

All: 0.010+/-0.009 χ^2/NDF: 85.1/89

- sign 0.015+/-0.013 χ^2/NDF: 44.3/45

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



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

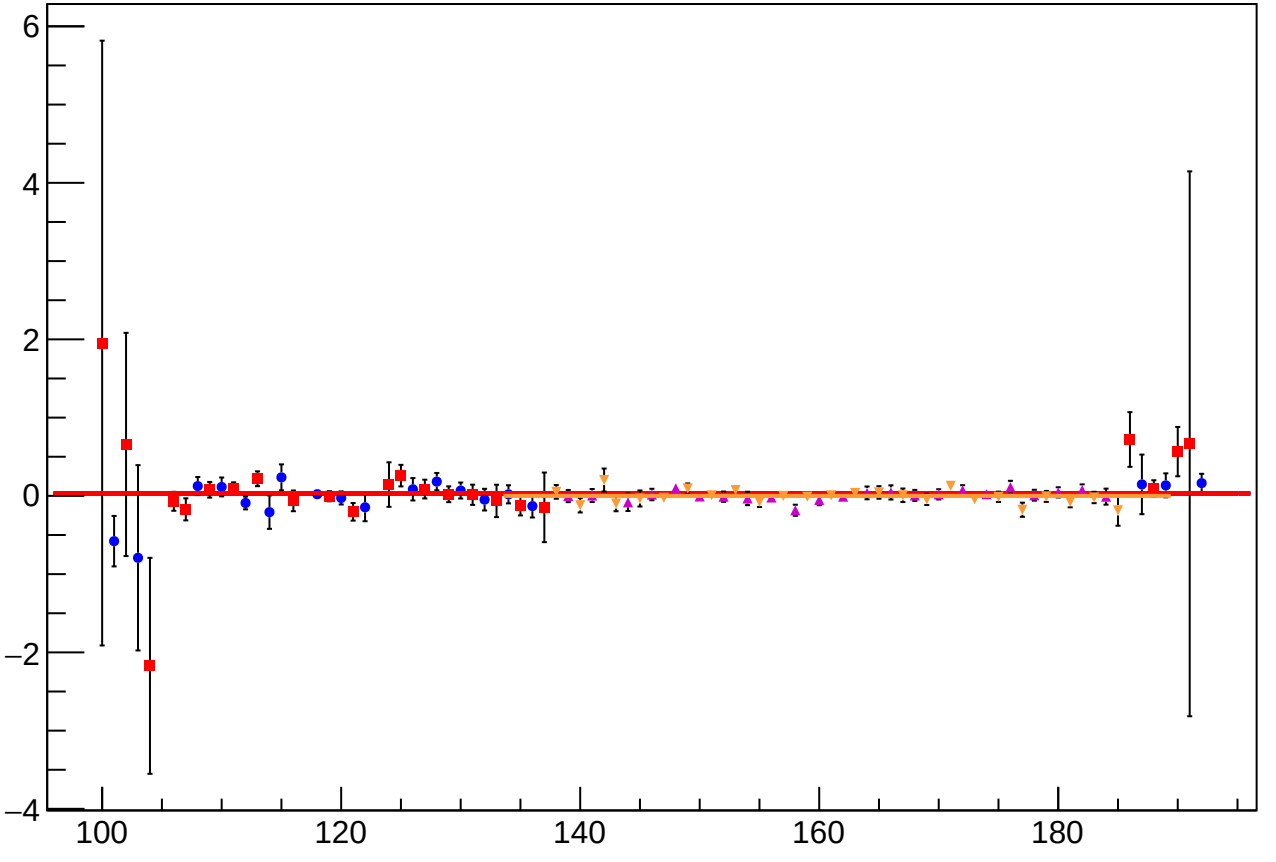
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 56.473+/-0.009 χ^2/NDF: 5177454.4/43

All: 58.090+/-0.006 χ^2/NDF: 9612169.9/89

- sign 59.850+/-0.009 χ^2/NDF: 4364327.4/45

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

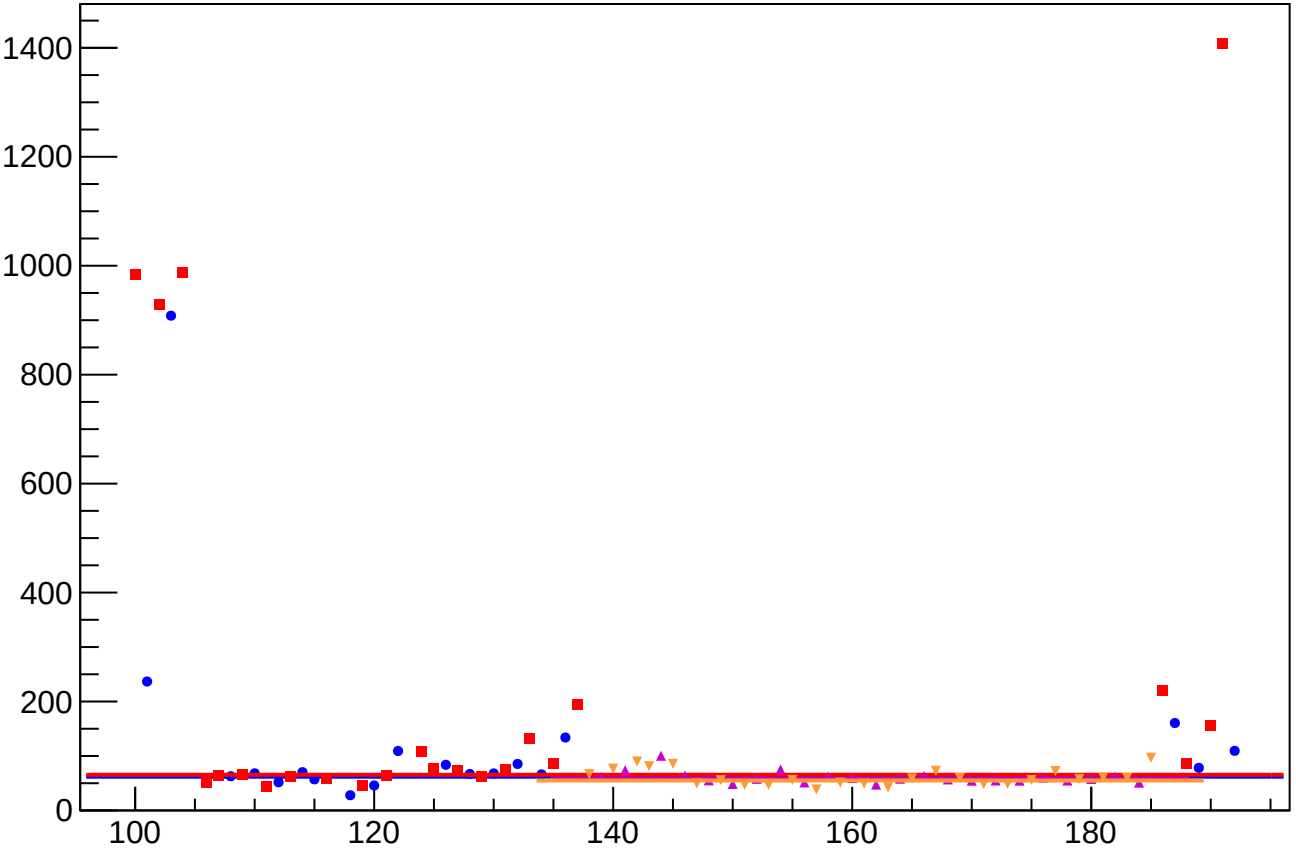
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.006+/-0.012 χ^2/NDF: 40.5/43

All: 0.010+/-0.009 χ^2/NDF: 85.1/89

- sign 0.015+/-0.013 χ^2/NDF: 44.3/45

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

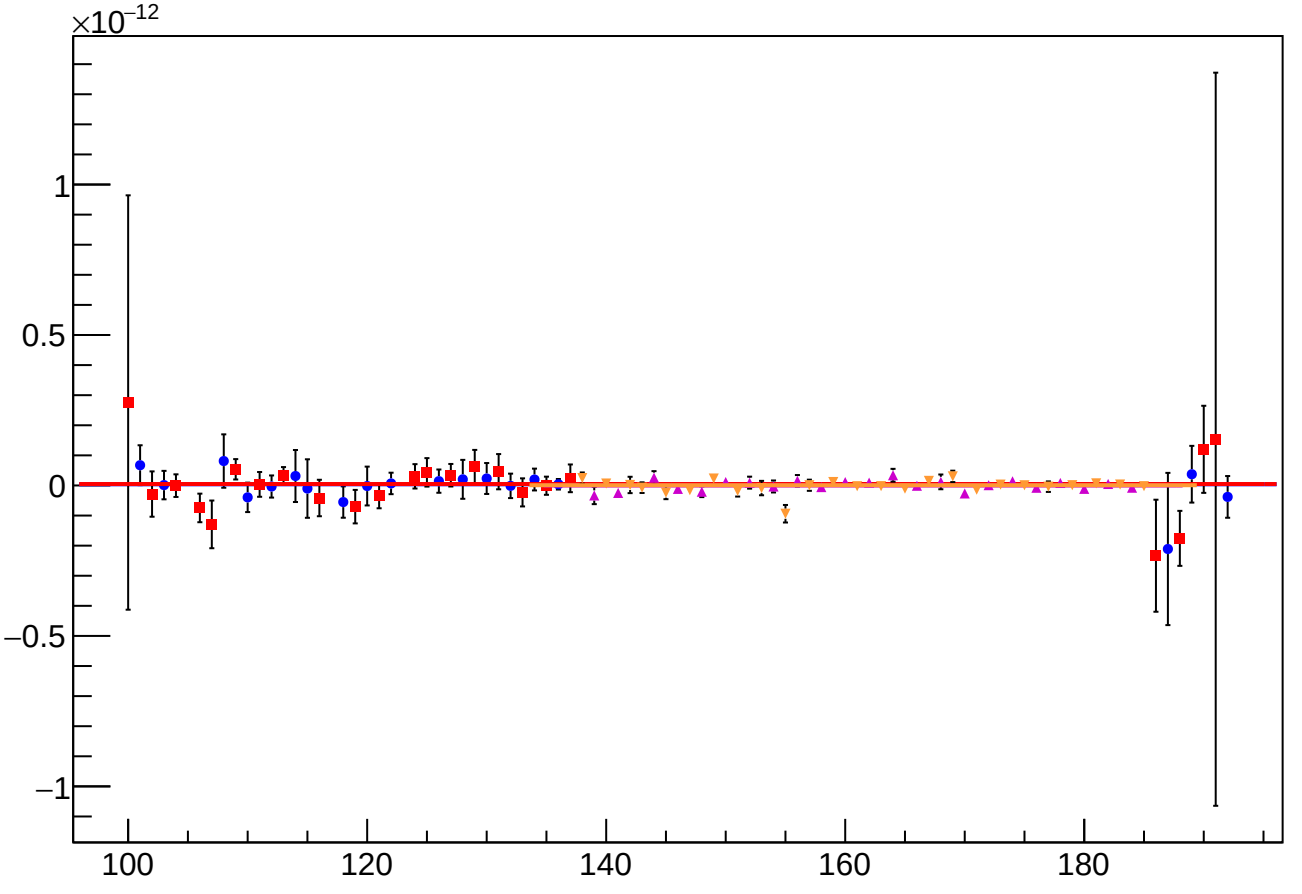
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 56.473+/-0.009 χ^2/NDF: 5177454.4/43

All: 58.090+/-0.006 χ^2/NDF: 9612169.9/89

- sign 59.850+/-0.009 χ^2/NDF: 4364327.4/45

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



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

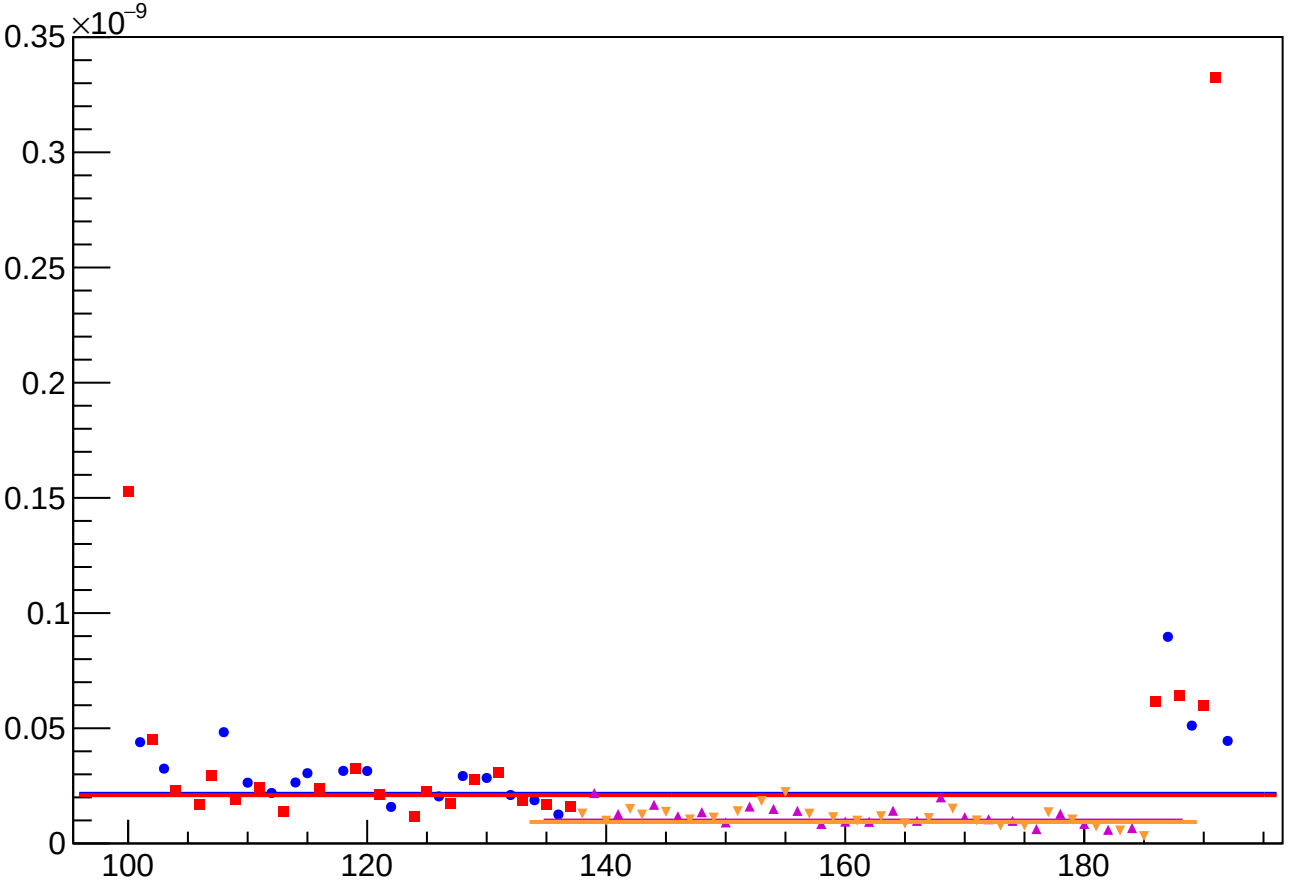
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.0/43

All: 0.000+/-0.000 χ^2/NDF: 73.9/89

- sign 0.000+/-0.000 χ^2/NDF: 42.8/45

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



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

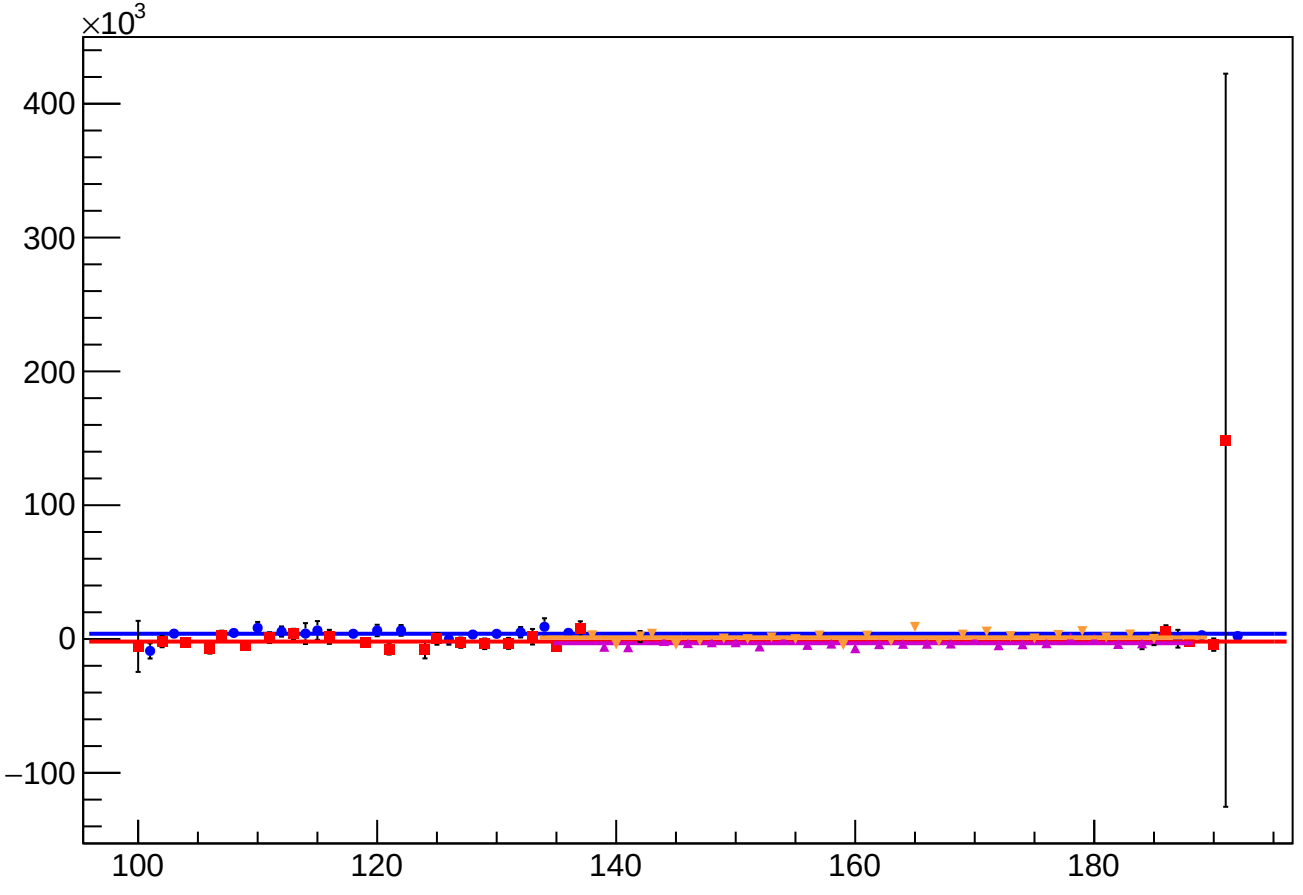
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7706639.4/43

All: 0.000+/-0.000 χ^2/NDF: 14213019.5/89

- sign 0.000+/-0.000 χ^2/NDF: 6451734.1/45

reg_asym_atr2_mean vs Slug



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

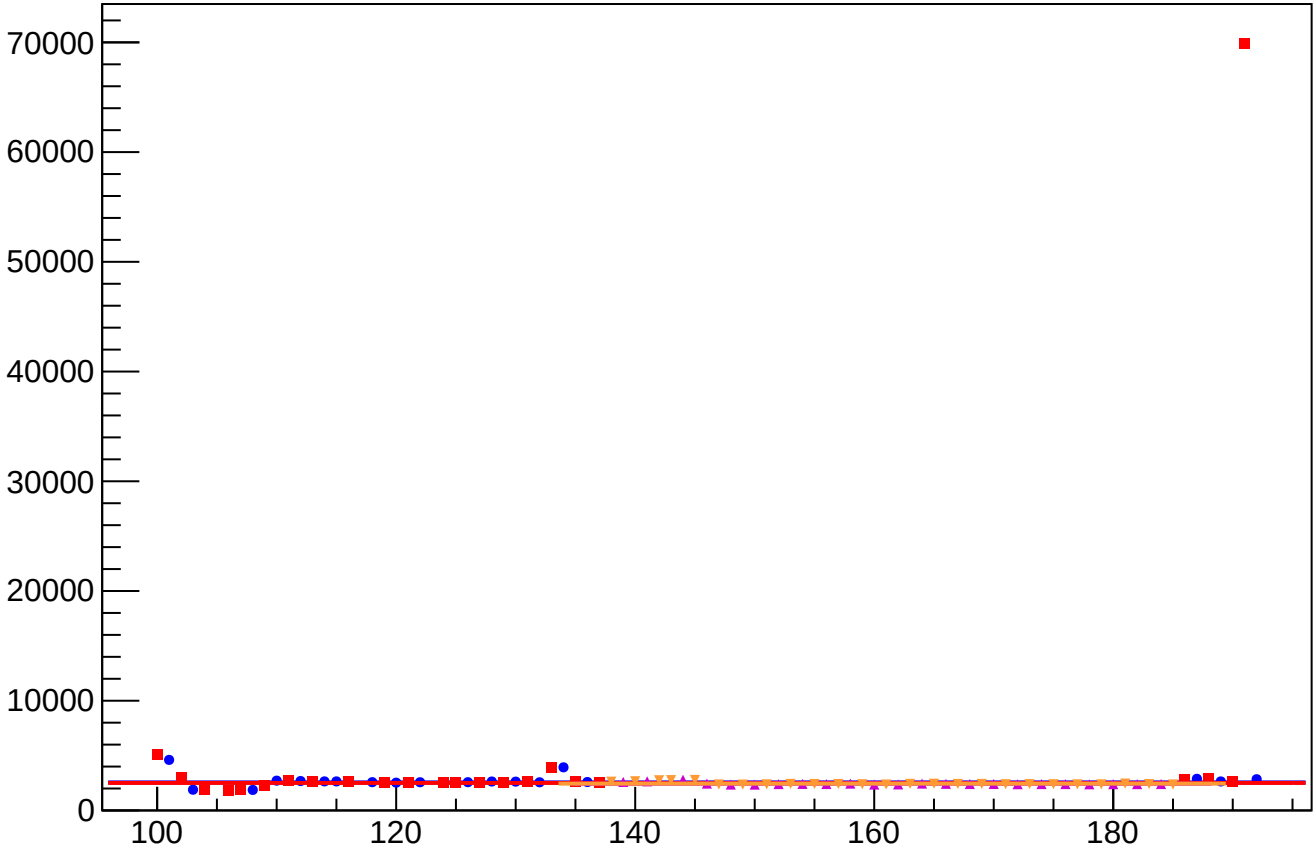
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 1987.289+/-468.602 χ^2/NDF: 48.0/43

All: -365.634+/-332.832 χ^2/NDF: 131.6/89

- sign -2761.079+/-472.818 χ^2/NDF: 32.7/45

reg_asym_atr2_rms vs Slug



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

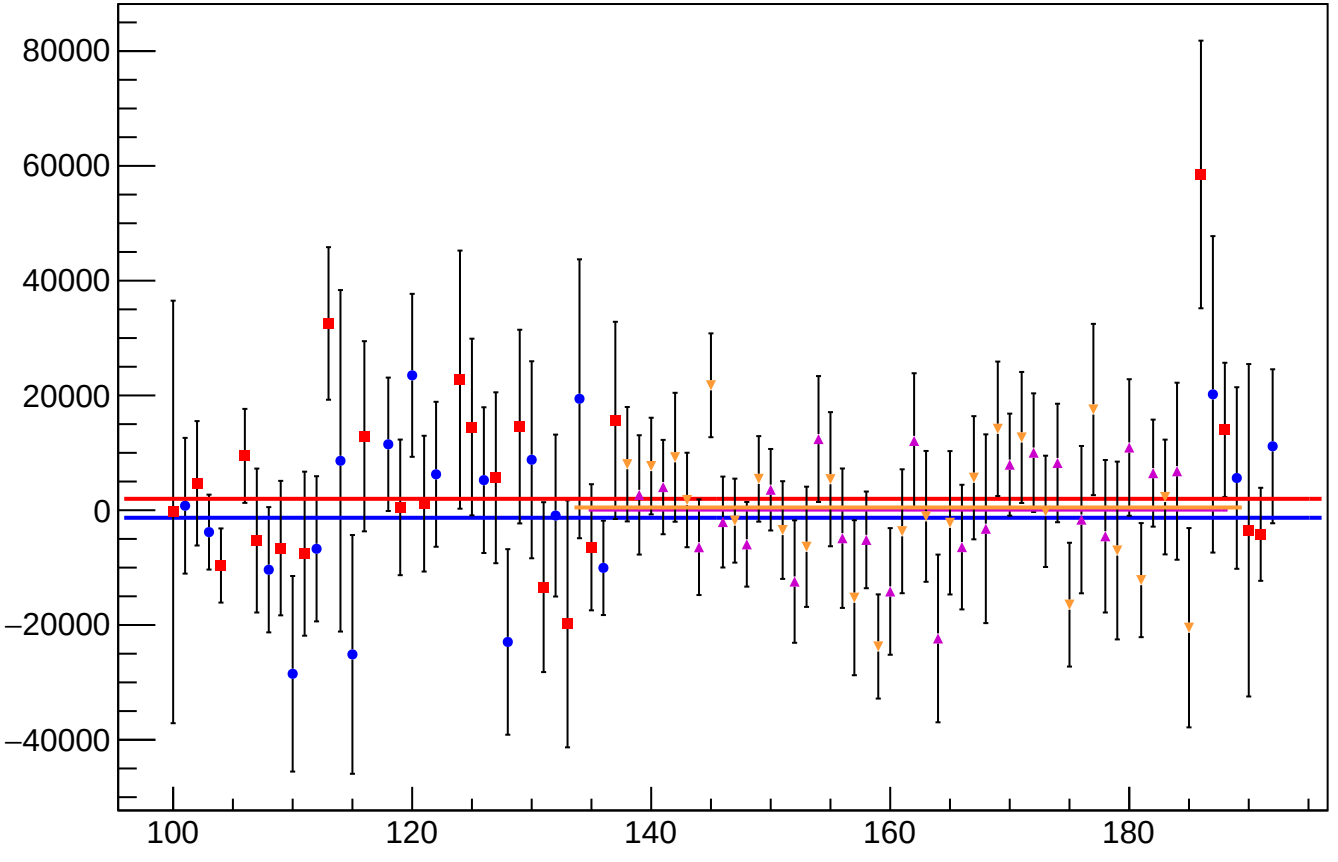
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2477.021+/-0.331 χ^2/NDF: 754463.3/43

All: 2467.938+/-0.235 χ^2/NDF: 1465124.7/89

- sign 2458.691+/-0.334 χ^2/NDF: 709145.2/45

asym_atr2_reg_correction_mean vs Slug



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

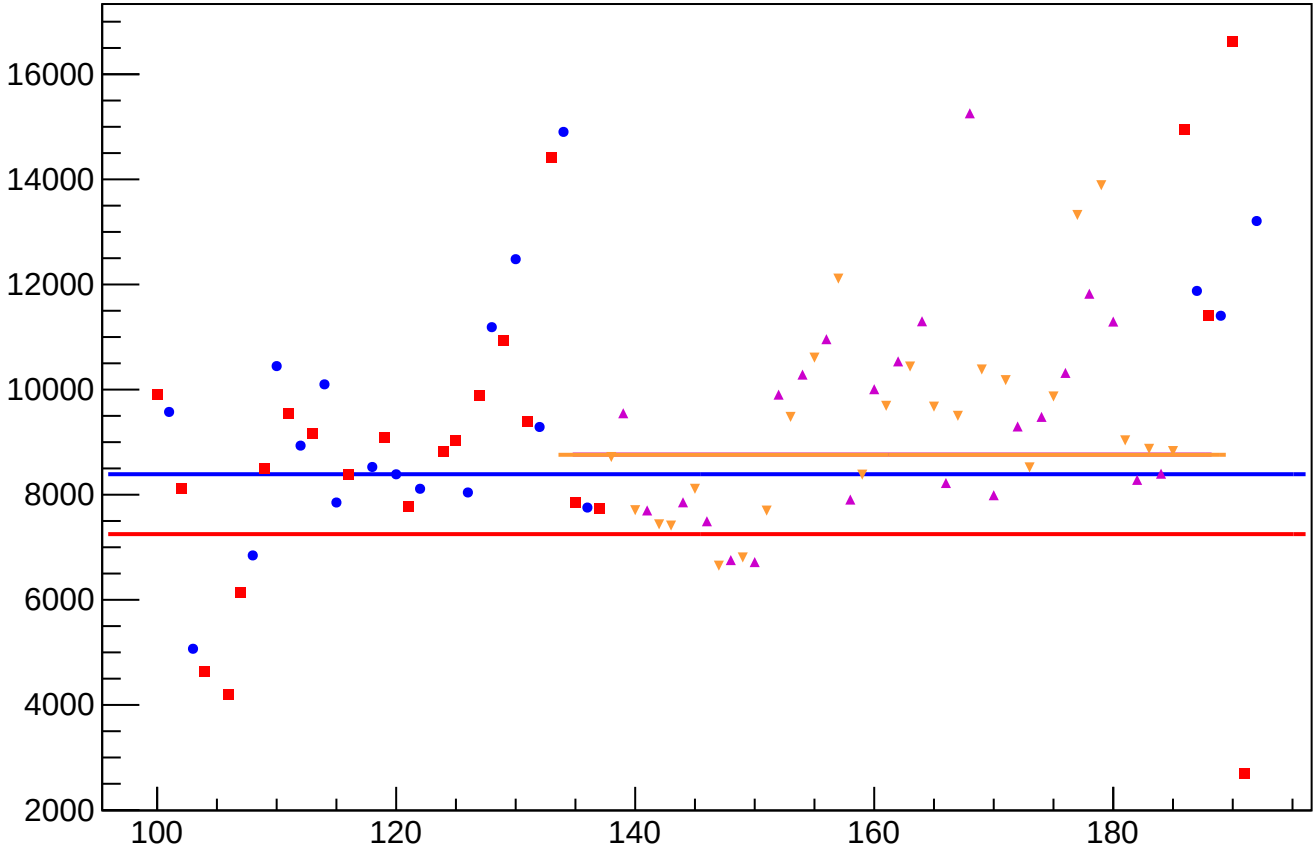
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign -107.158+/-1671.714 χ^2/NDF: 43.2/43

All: 381.838+/-1166.417 χ^2/NDF: 82.4/89

- sign 845.748+/-1628.269 χ^2/NDF: 39.0/45

asym_atr2_reg_correction_rms vs Slug



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

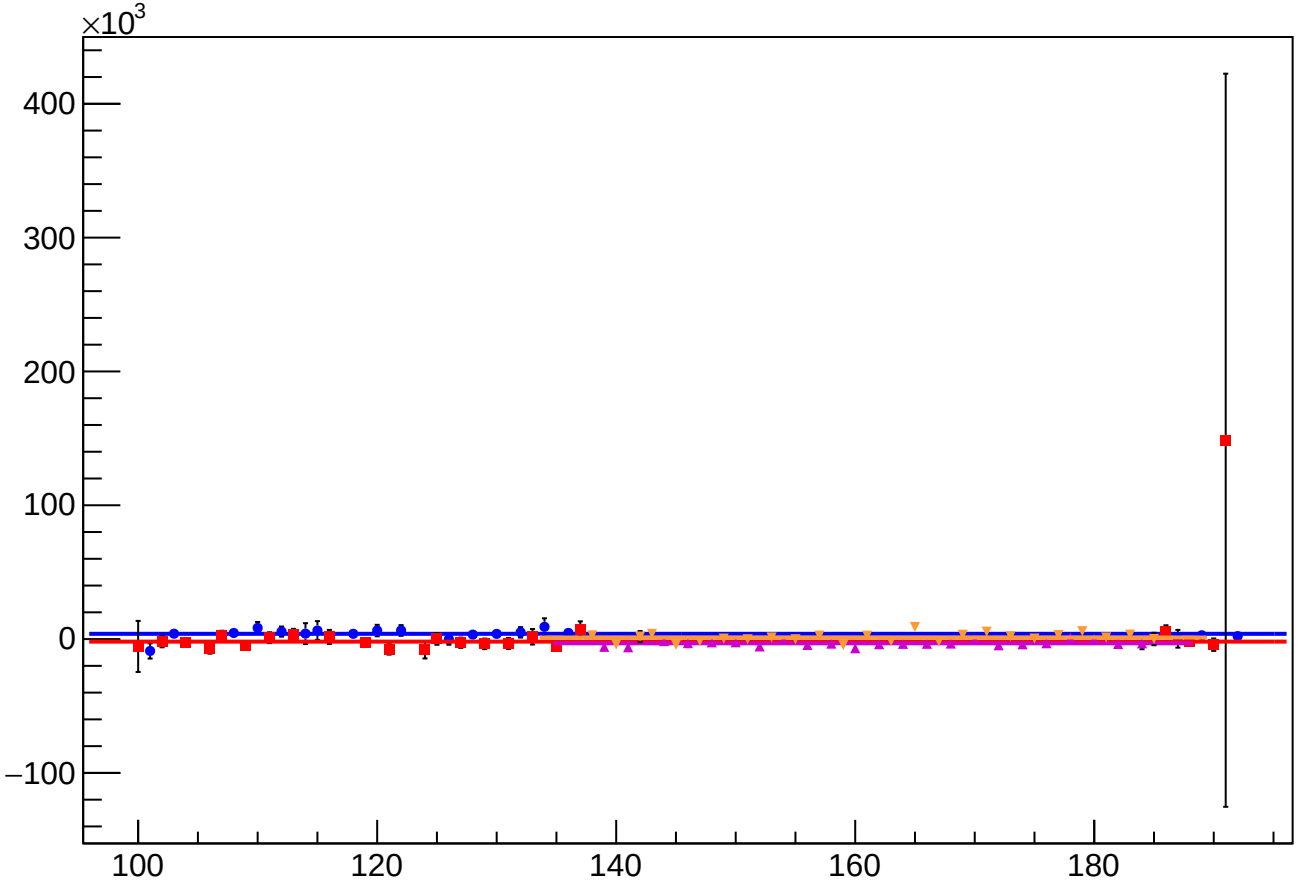
Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 8639.215+/-1.182 χ^2/NDF: 2564973.4/43

All: 8397.542+/-0.825 χ^2/NDF: 6950549.8/89

- sign 8168.268+/-1.151 χ^2/NDF: 4304123.8/45

cor_asym_atr2_mean vs Slug



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

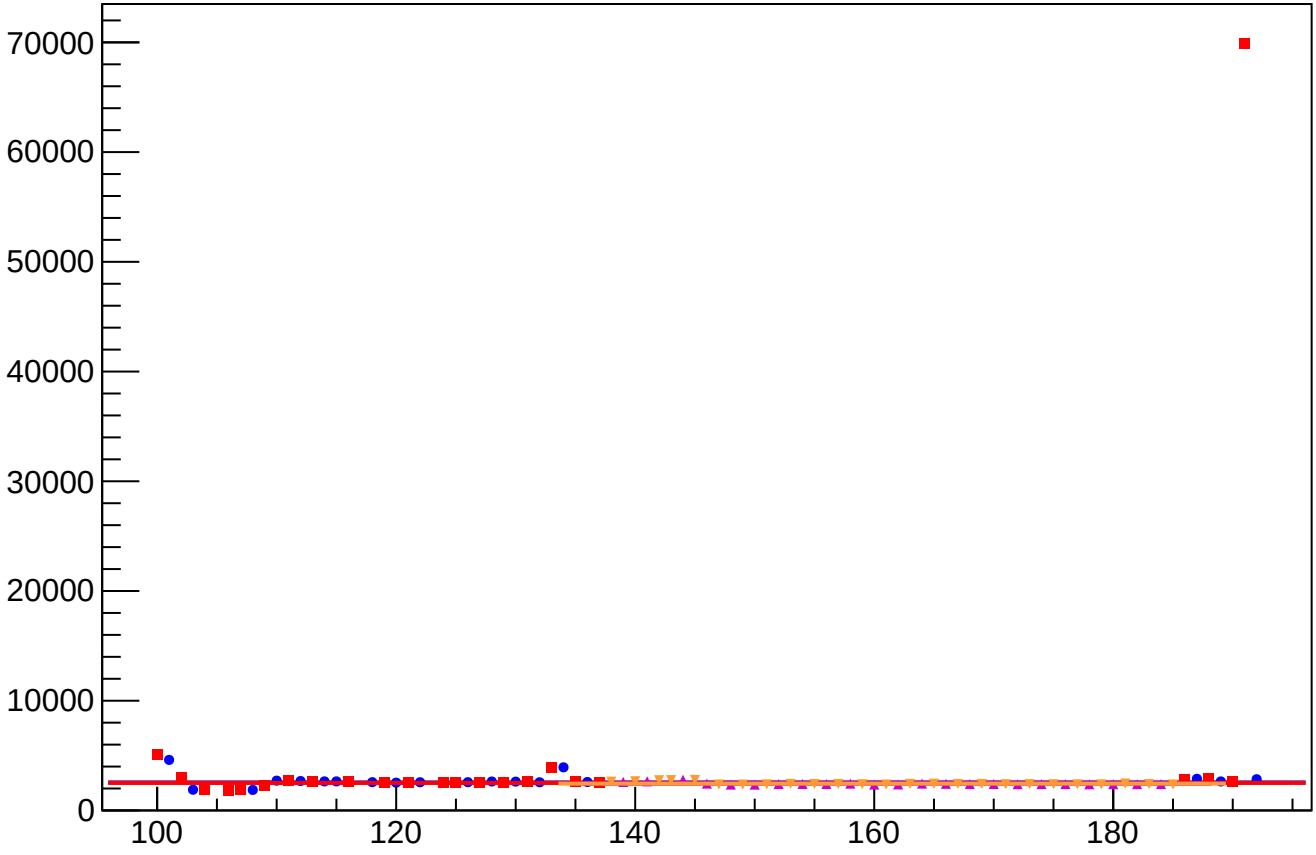
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1987.062+/-468.602 χ^2/NDF: 48.0/43

All: -365.758+/-332.833 χ^2/NDF: 131.6/89

- sign -2761.106+/-472.819 χ^2/NDF: 32.7/45

cor_asym_atr2_rms vs Slug



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

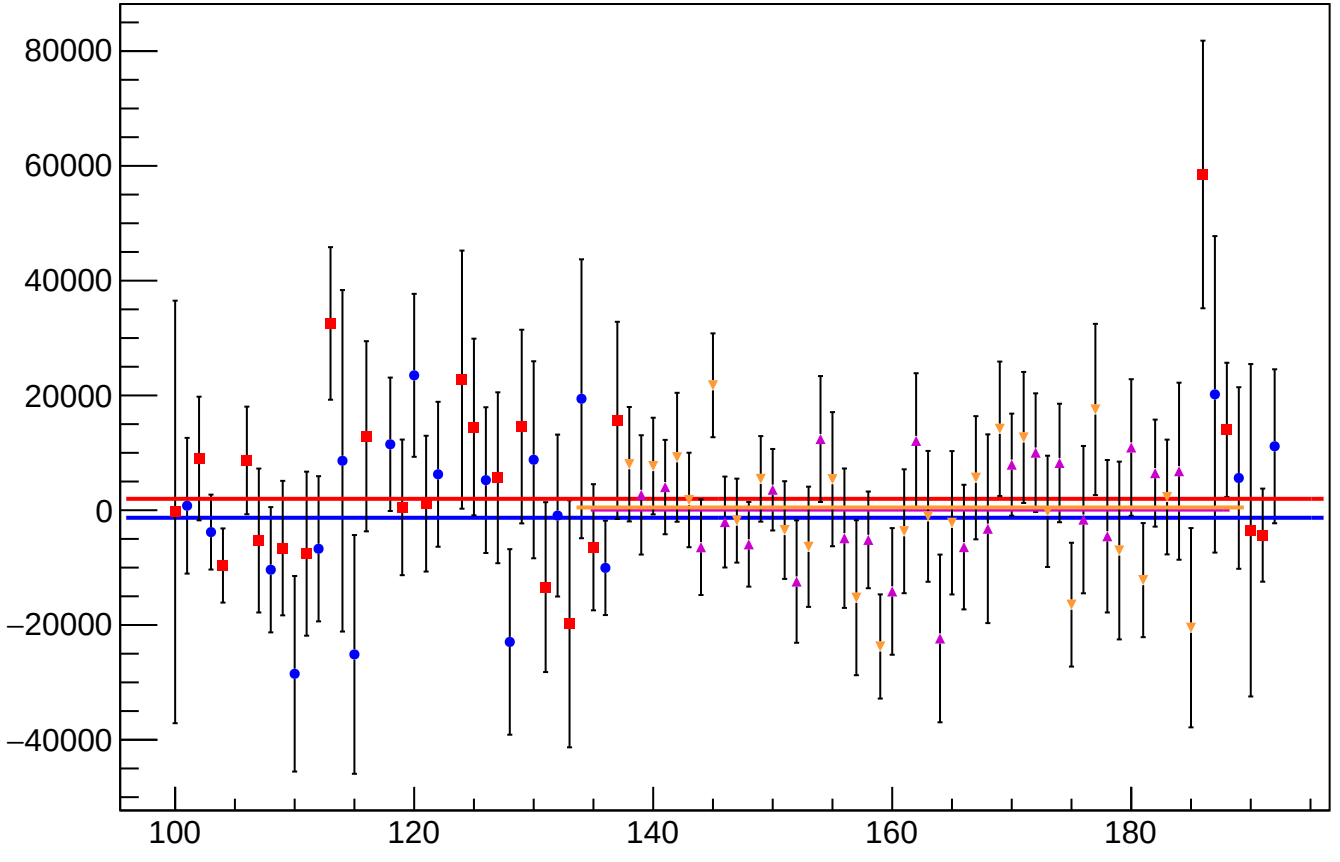
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2477.021+/-0.331 χ^2/NDF: 754461.2/43

All: 2467.942+/-0.235 χ^2/NDF: 1465066.2/89

- sign 2458.698+/-0.334 χ^2/NDF: 709089.8/45

asym_atr2_cor_correction_mean vs Slug



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

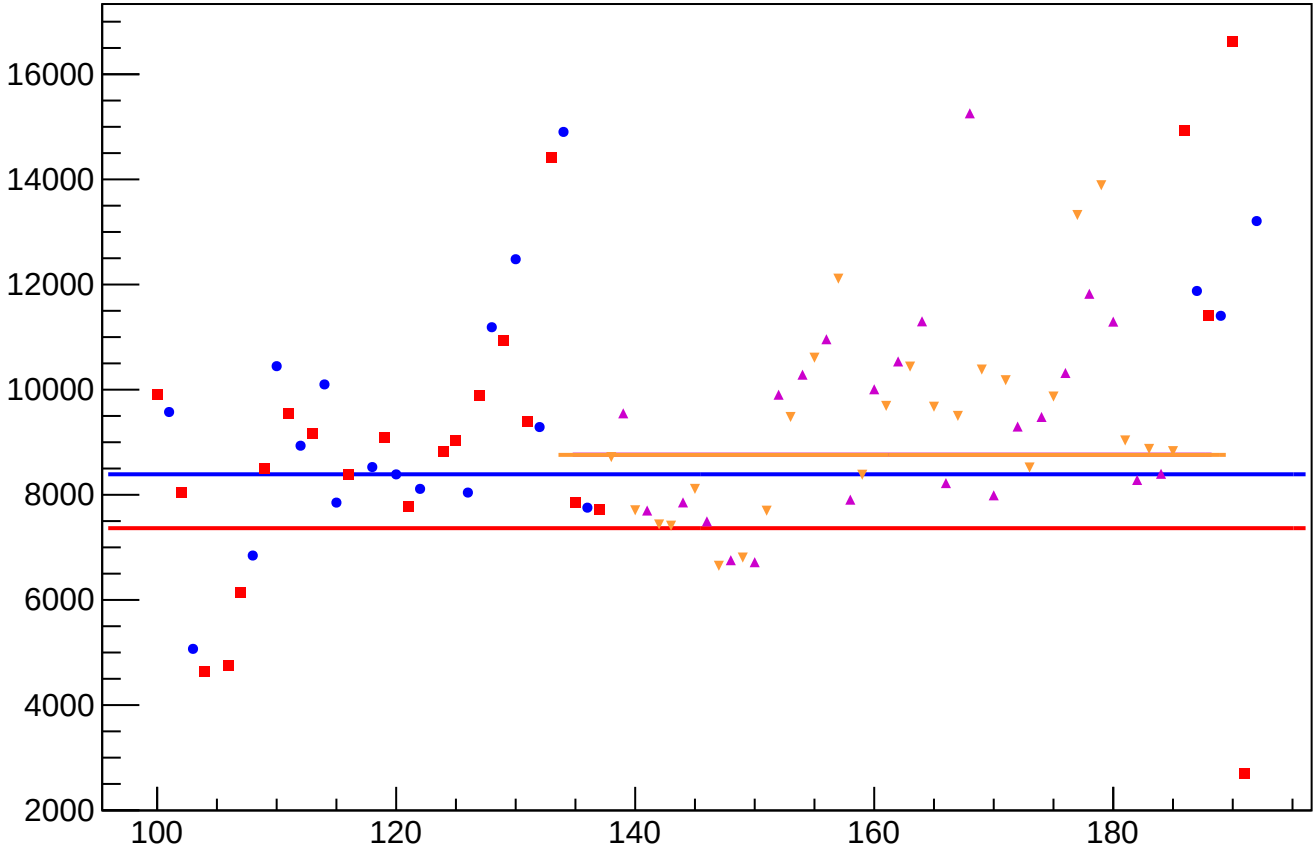
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -107.038+/-1671.727 χ^2/NDF: 43.2/43

All: 374.123+/-1169.172 χ^2/NDF: 82.5/89

- sign 834.811+/-1635.775 χ^2/NDF: 39.1/45

asym_atr2_cor_correction_rms vs Slug



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

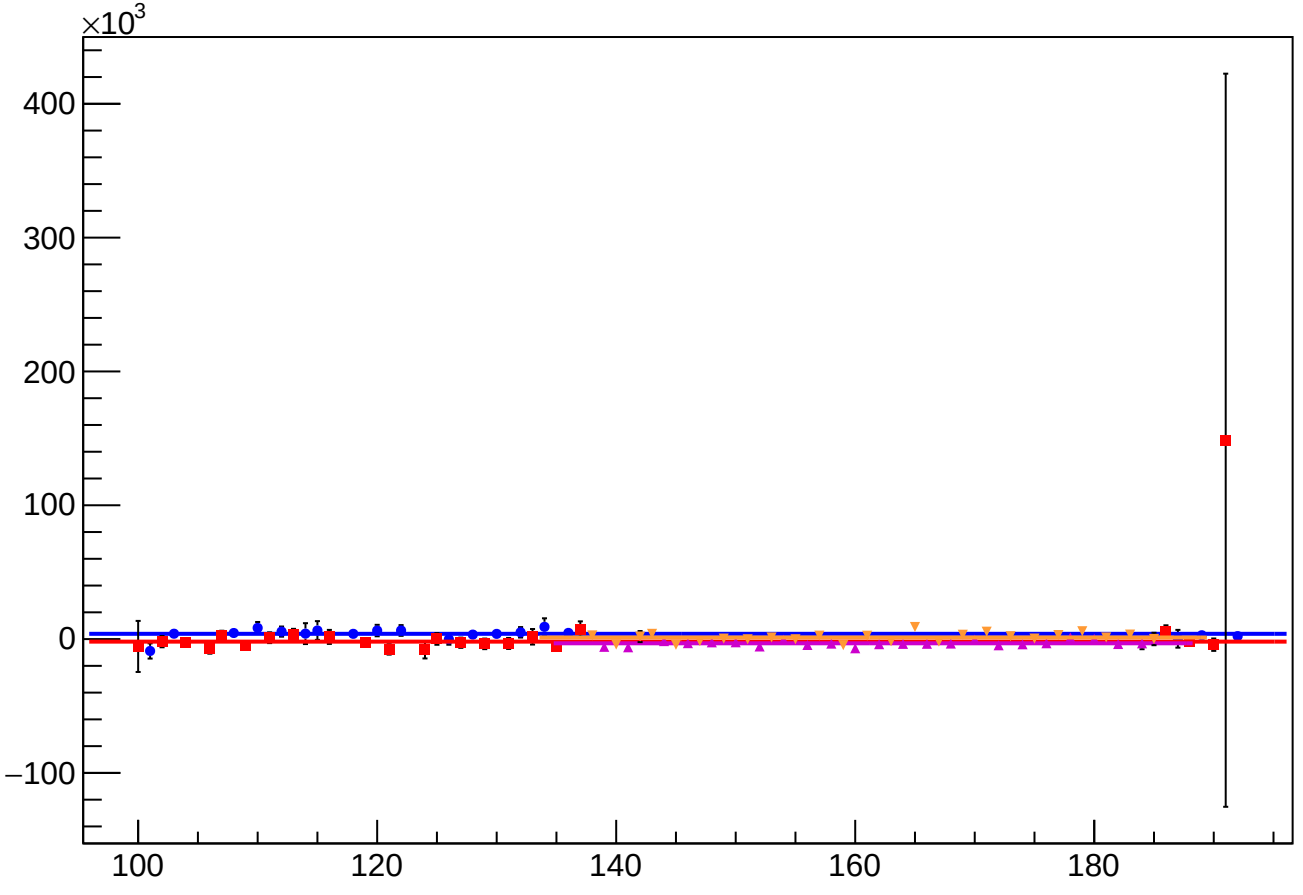
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8639.315+/-1.182 χ^2/NDF: 2564589.0/43

All: 8425.843+/-0.827 χ^2/NDF: 6723383.0/89

- sign 8221.453+/-1.157 χ^2/NDF: 4094956.8/45

eigen_cor_asym_atr2_mean vs Slug



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

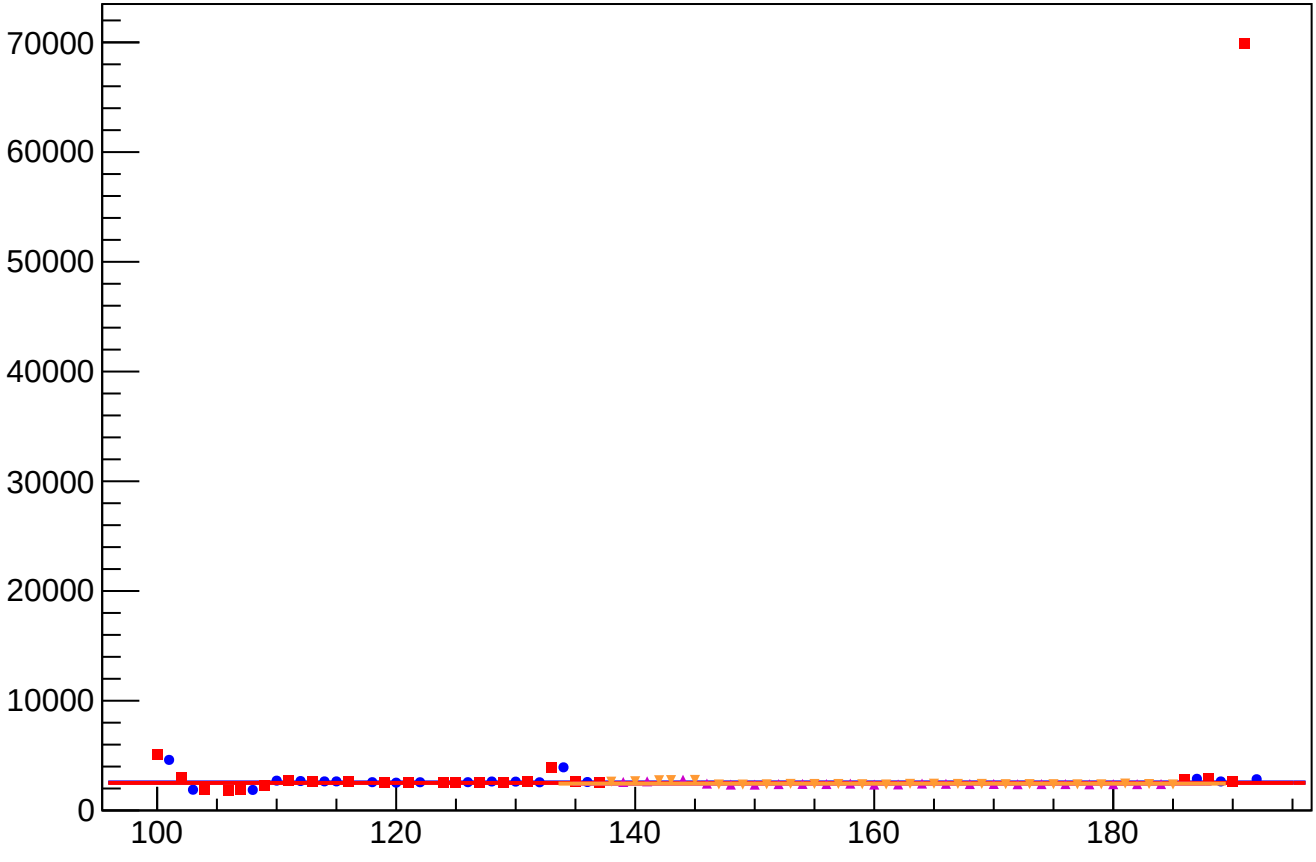
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1987.062+/-468.602 χ^2/NDF: 48.0/43

All: -365.758+/-332.833 χ^2/NDF: 131.6/89

- sign -2761.106+/-472.819 χ^2/NDF: 32.7/45

eigen_cor_asym_atr2_rms vs Slug



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

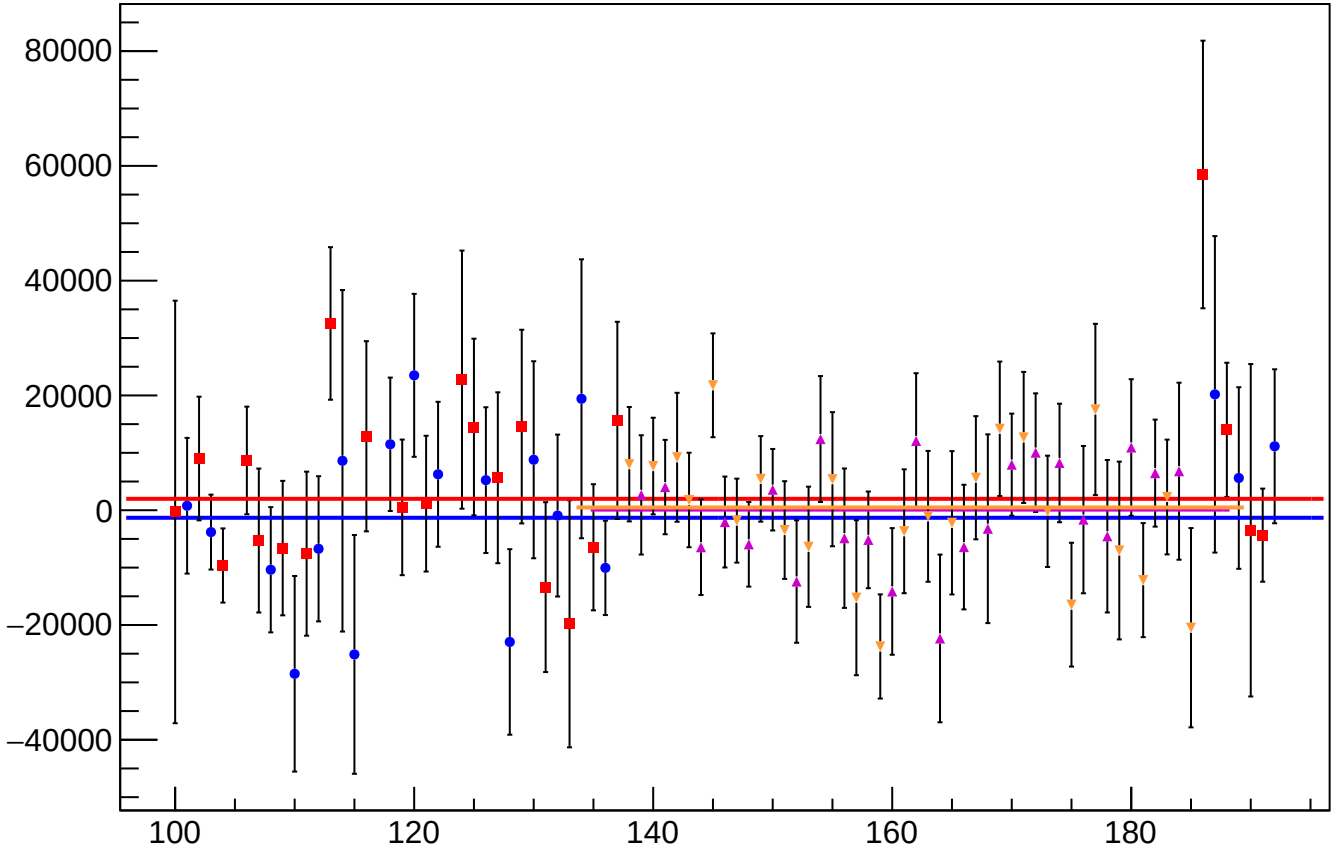
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2477.021+/-0.331 χ^2/NDF: 754461.2/43

All: 2467.942+/-0.235 χ^2/NDF: 1465066.2/89

- sign 2458.698+/-0.334 χ^2/NDF: 709089.8/45

asym_atr2_eigen_cor_correction_mean vs Slug



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

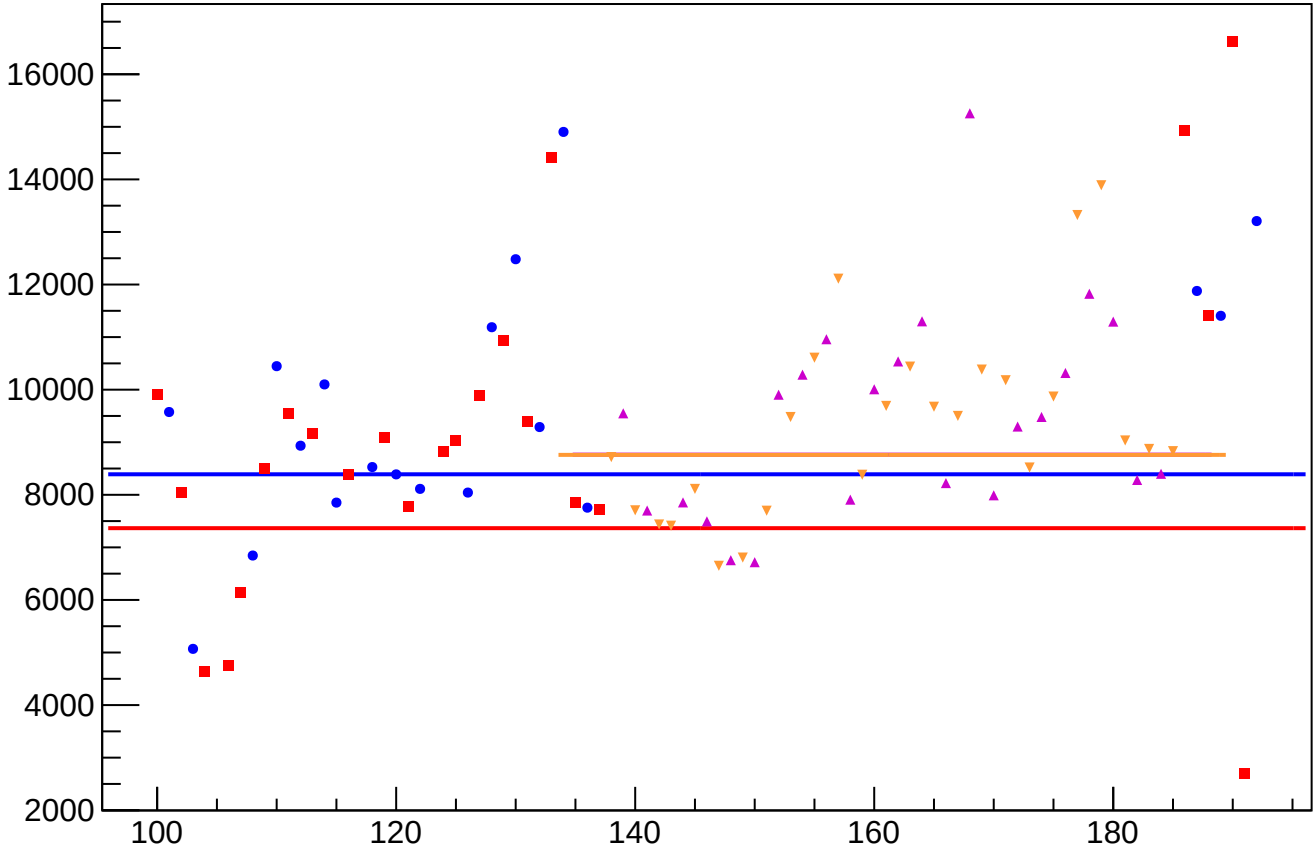
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -107.038+/-1671.727 χ^2/NDF: 43.2/43

All: 374.123+/-1169.172 χ^2/NDF: 82.5/89

- sign 834.811+/-1635.775 χ^2/NDF: 39.1/45

asym_atr2_eigen_cor_correction_rms vs Slug



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

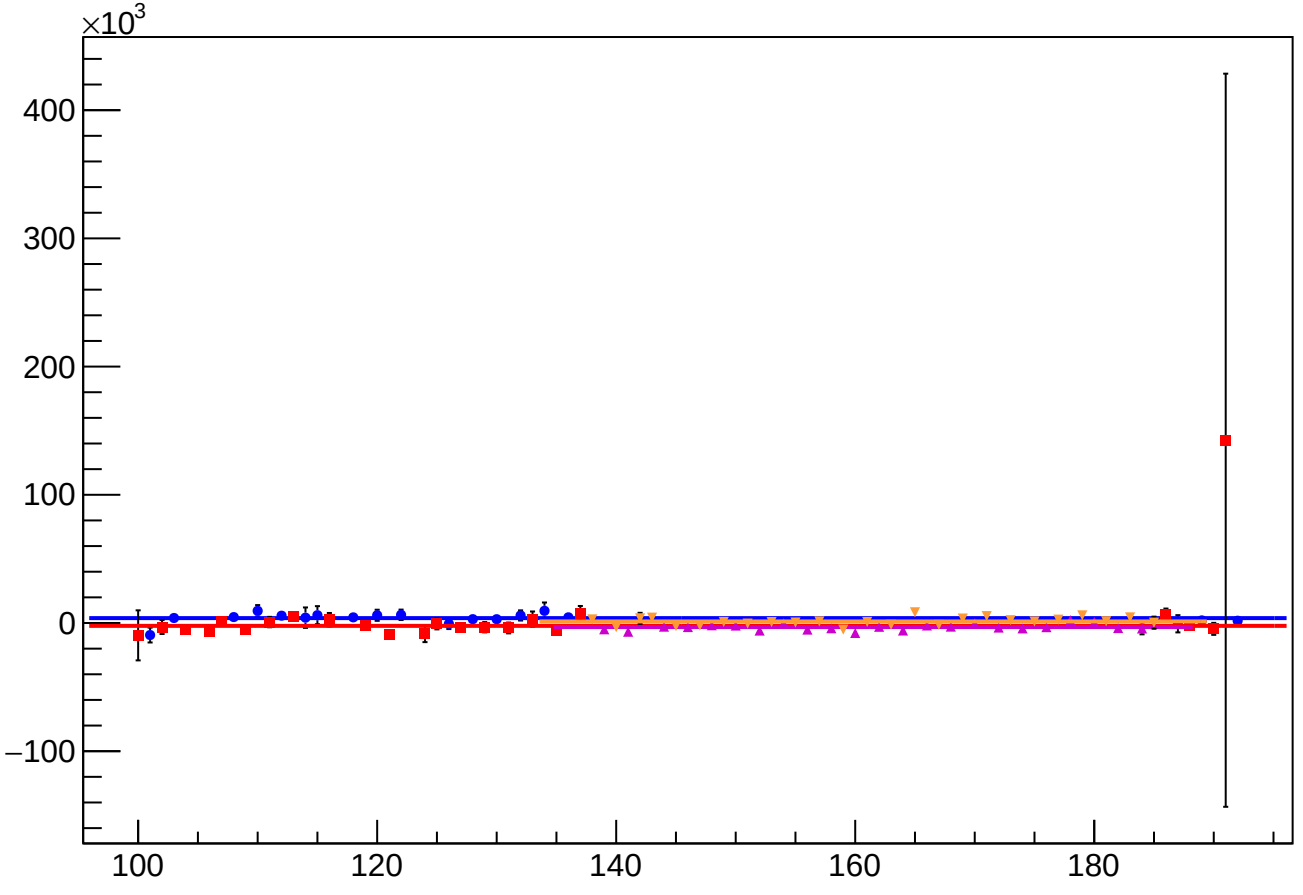
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8639.315+/-1.182 χ^2/NDF: 2564589.0/43

All: 8425.843+/-0.827 χ^2/NDF: 6723383.0/89

- sign 8221.453+/-1.157 χ^2/NDF: 4094956.8/45

dit_asym_atr2_mean vs Slug



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

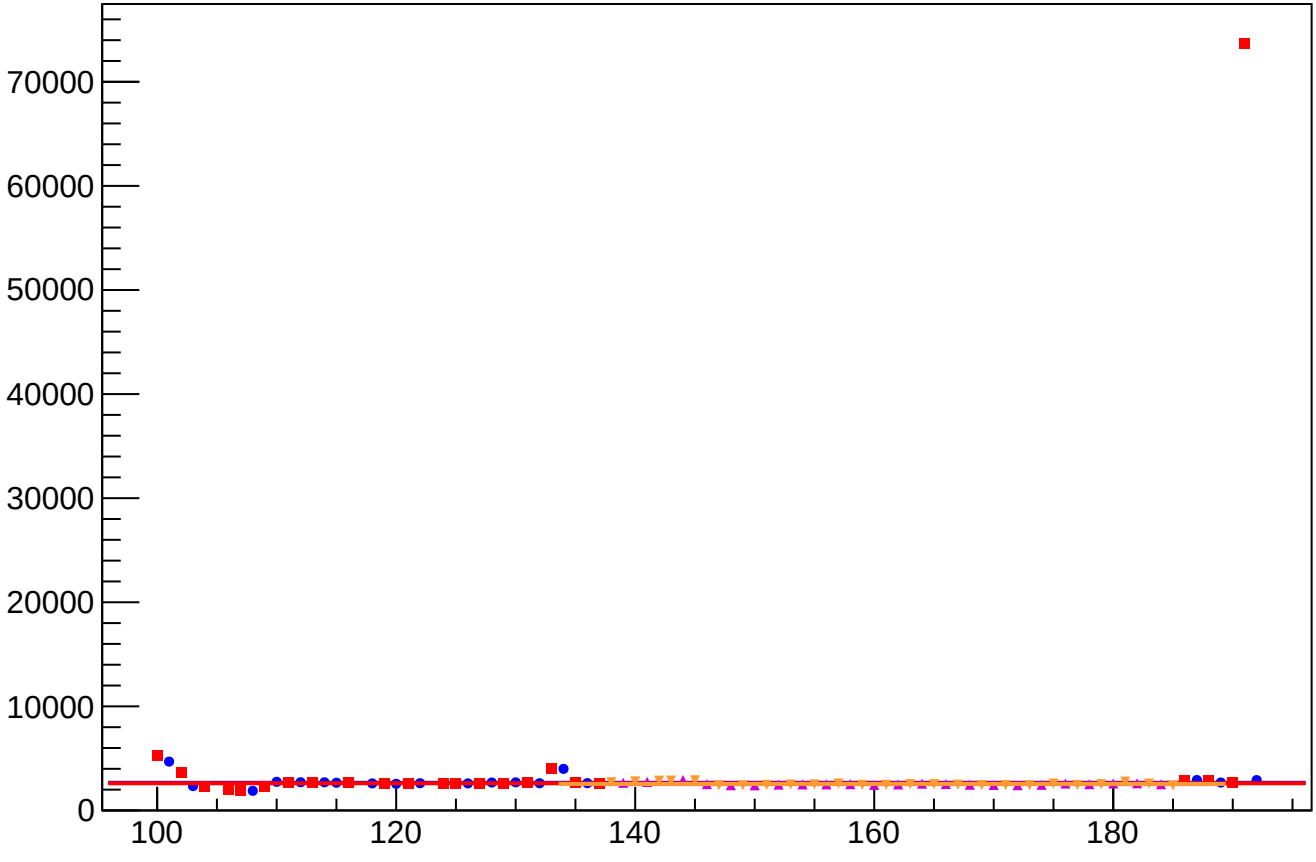
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 1971.980+/-487.669 χ^2/NDF: 44.1/43

All: -425.570+/-346.343 χ^2/NDF: 132.5/89

- sign -2865.545+/-491.965 χ^2/NDF: 39.6/45

dit_asym_atr2_rms vs Slug



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

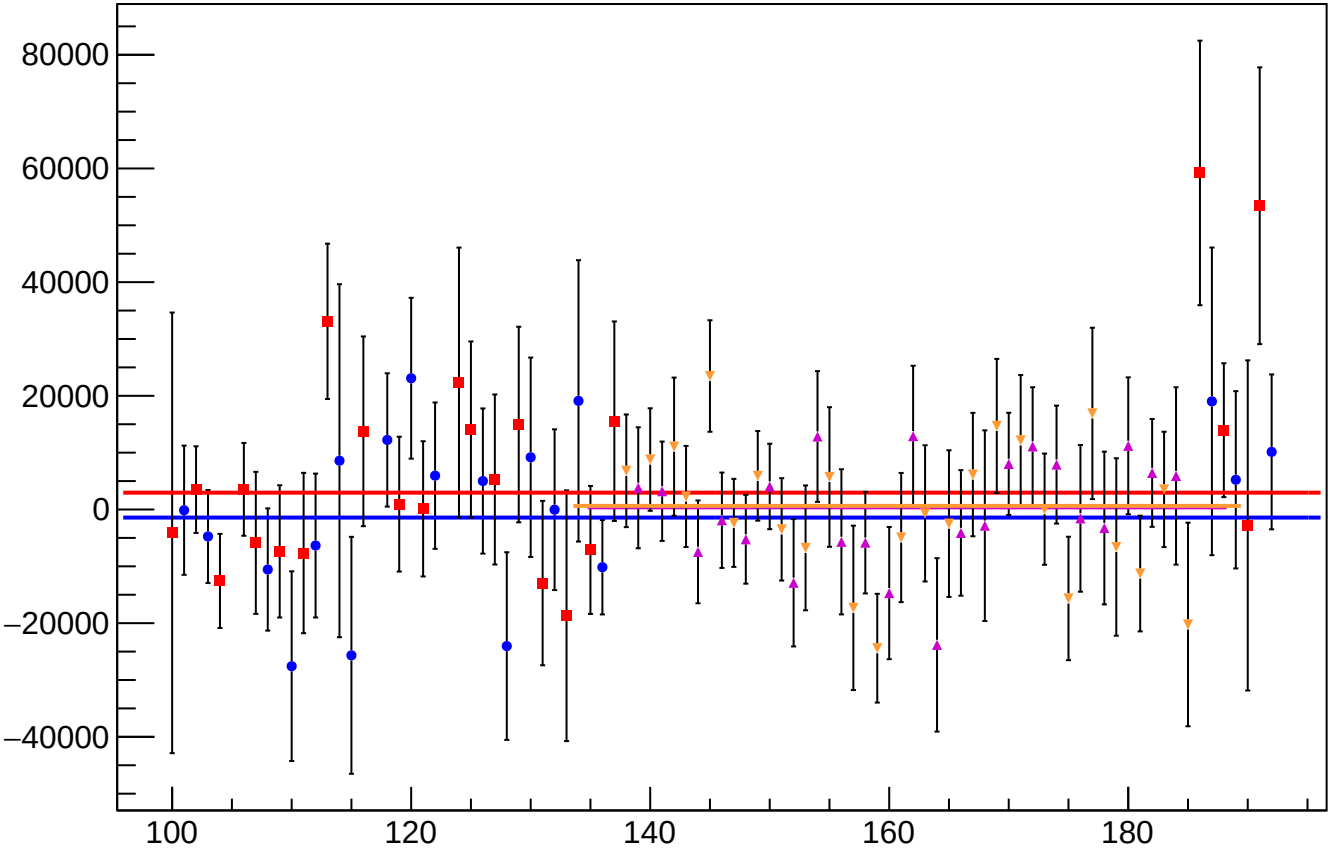
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2579.434+/-0.345 χ^2/NDF: 645680.9/43

All: 2568.233+/-0.245 χ^2/NDF: 1289403.0/89

- sign 2556.838+/-0.348 χ^2/NDF: 641593.7/45

asym_atr2_dit_correction_mean vs Slug



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

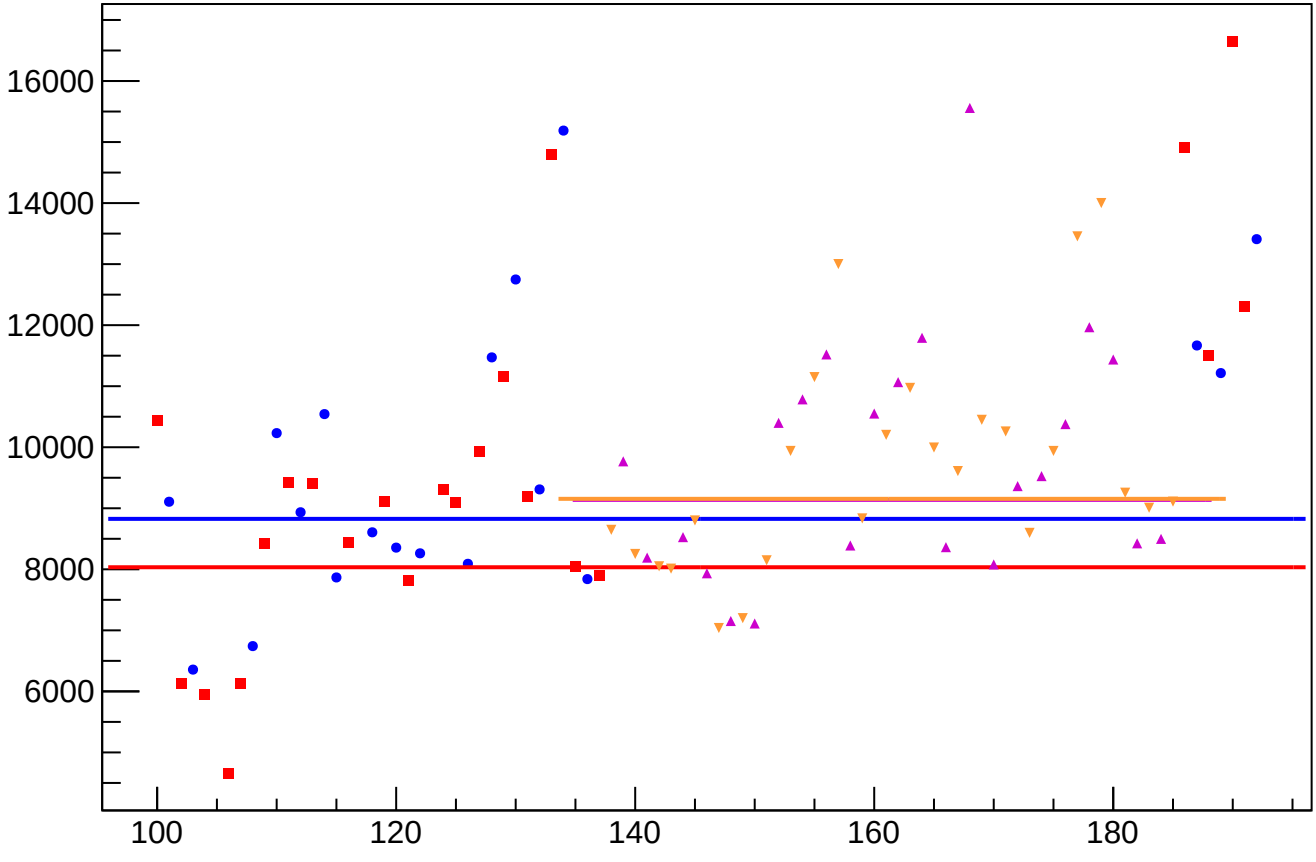
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign -39.724+/-1741.657 χ^2/NDF: 42.4/43

All: 683.740+/-1218.172 χ^2/NDF: 84.5/89

- sign 1376.628+/-1704.455 χ^2/NDF: 41.8/45

asym_atr2_dit_correction_rms vs Slug



Right In: 8826.477+/-2.153 χ^2/NDF: 905716.0/18

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

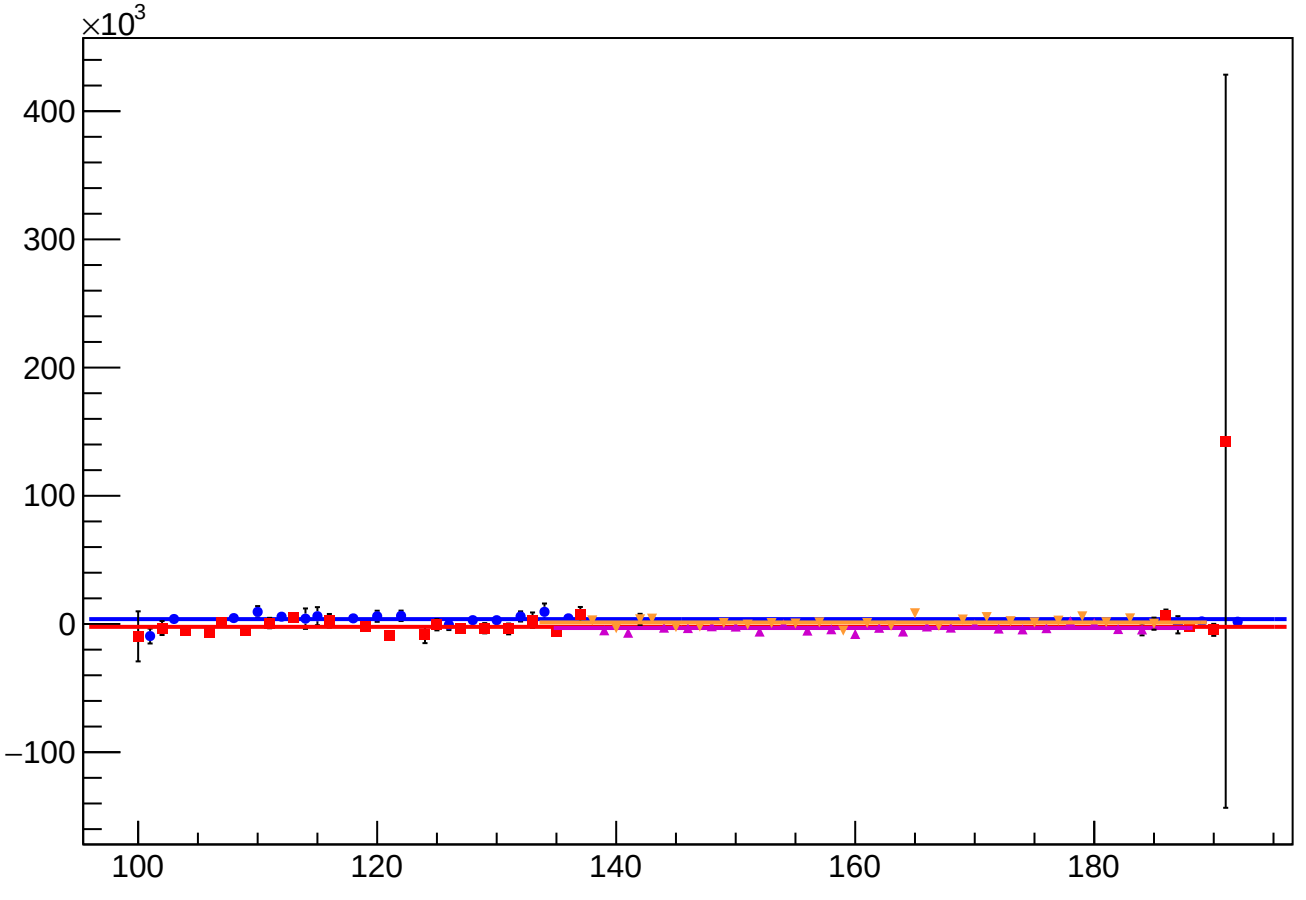
Right Out: 8033.795+/-1.938 χ^2/NDF: 1608989.0/22

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 9047.347+/-1.232 χ^2/NDF: 1993421.7/43

All: 8875.446+/-0.861 χ^2/NDF: 5012252.1/89

- sign 8710.809+/-1.205 χ^2/NDF: 2980687.1/45



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

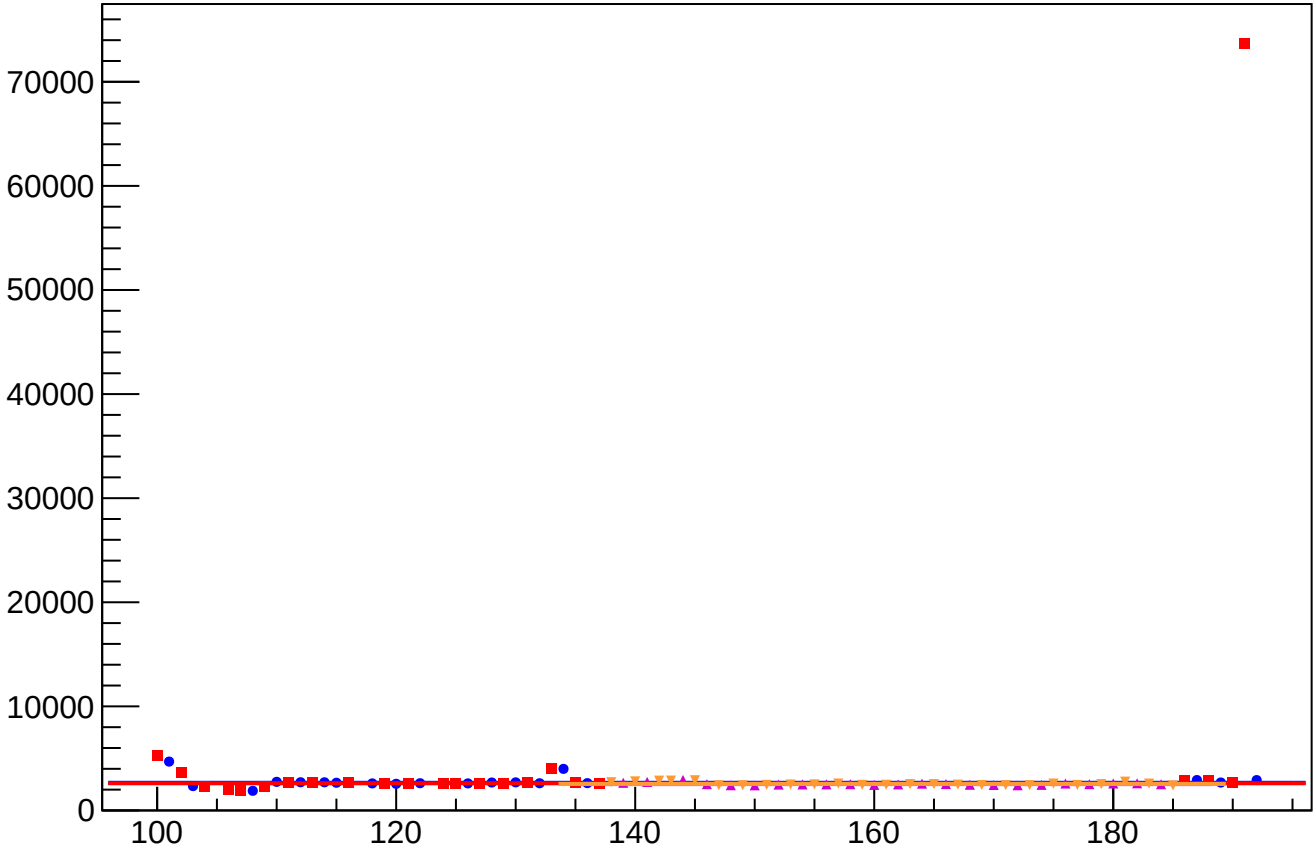
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 1971.975+/-487.669 χ^2/NDF: 44.1/43

All: -425.572+/-346.343 χ^2/NDF: 132.5/89

- sign -2865.546+/-491.965 χ^2/NDF: 39.6/45

eigen_dit_asym_atr2_rms vs Slug



Right In: 2657.589+/-0.638 χ^2/NDF: 507165.8/18

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

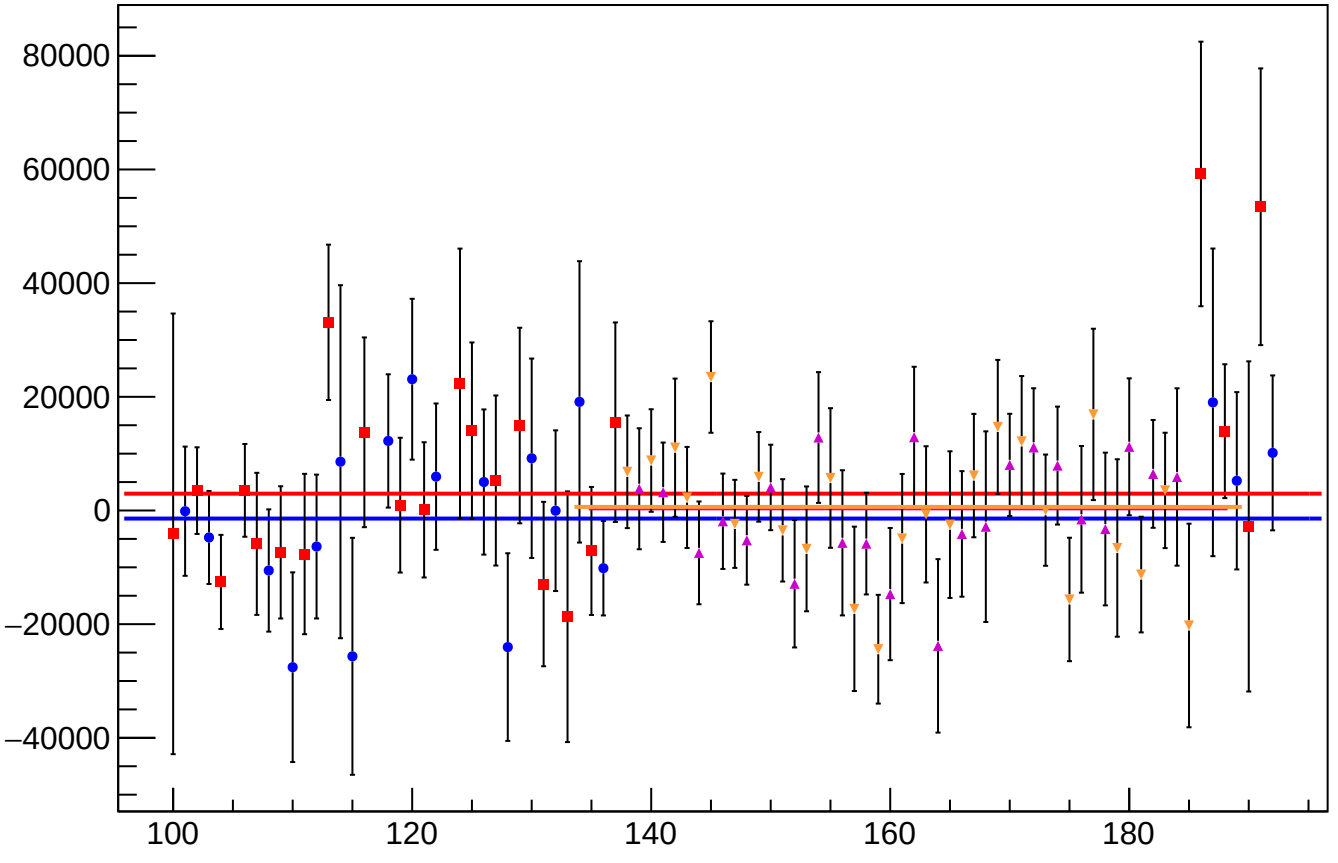
Right Out: 2610.432+/-0.625 χ^2/NDF: 562490.6/22

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2579.435+/-0.345 χ^2/NDF: 645679.8/43

All: 2568.234+/-0.245 χ^2/NDF: 1289400.5/89

- sign 2556.839+/-0.348 χ^2/NDF: 641592.3/45



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

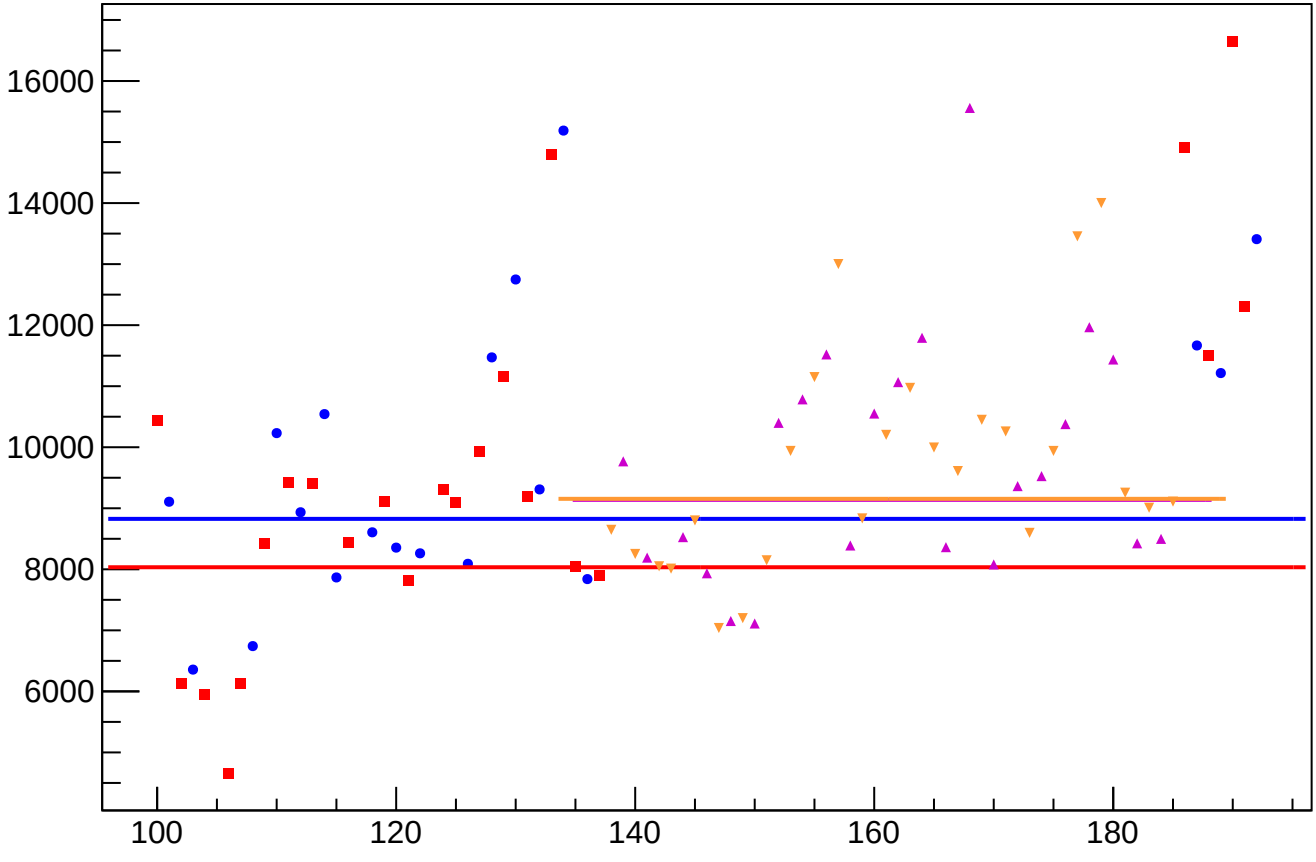
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign -39.720+/-1741.658 χ^2/NDF: 42.4/43

All: 683.744+/-1218.172 χ^2/NDF: 84.5/89

- sign 1376.631+/-1704.456 χ^2/NDF: 41.8/45

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8826.468+/-2.153 χ^2/NDF: 905712.9/18

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

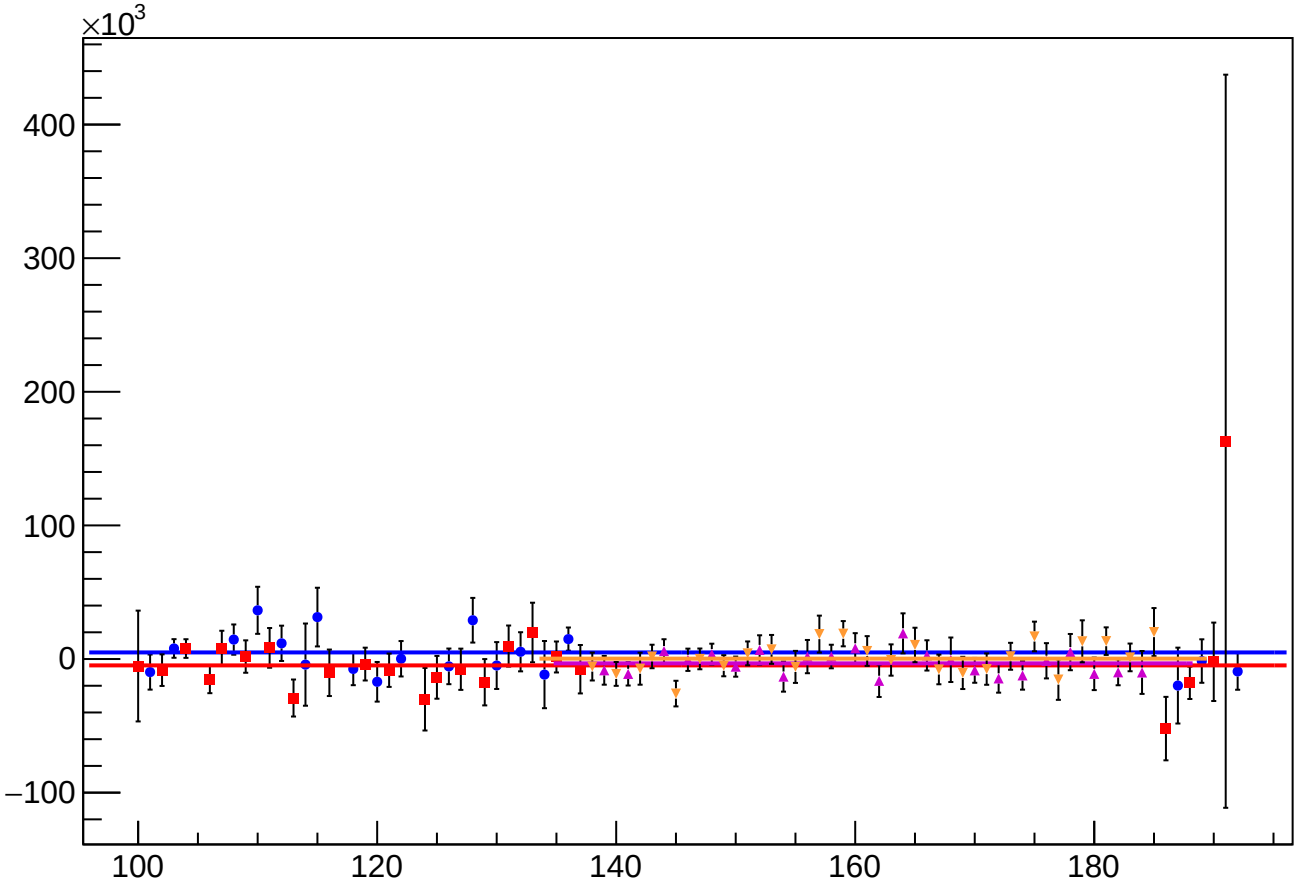
Right Out: 8033.783+/-1.938 χ^2/NDF: 1608987.8/22

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9047.354+/-1.232 χ^2/NDF: 1993422.8/43

All: 8875.450+/-0.861 χ^2/NDF: 5012265.8/89

- sign 8710.812+/-1.205 χ^2/NDF: 2980698.9/45



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

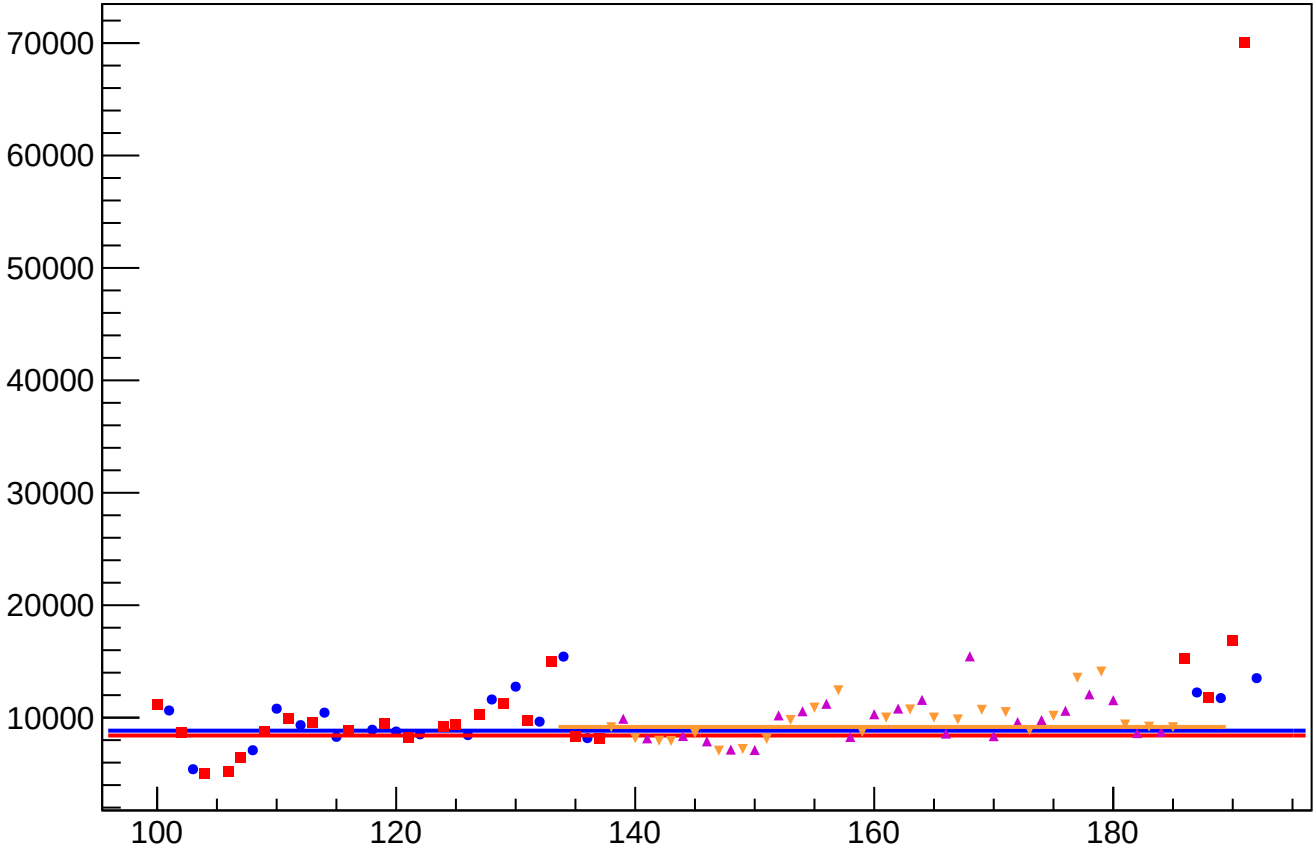
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1794.080+/-1748.804 χ^2/NDF: 45.1/43

All: -990.174+/-1237.110 χ^2/NDF: 83.6/89

- sign -3779.102+/-1750.271 χ^2/NDF: 33.4/45

asym_atr2_rms vs Slug



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

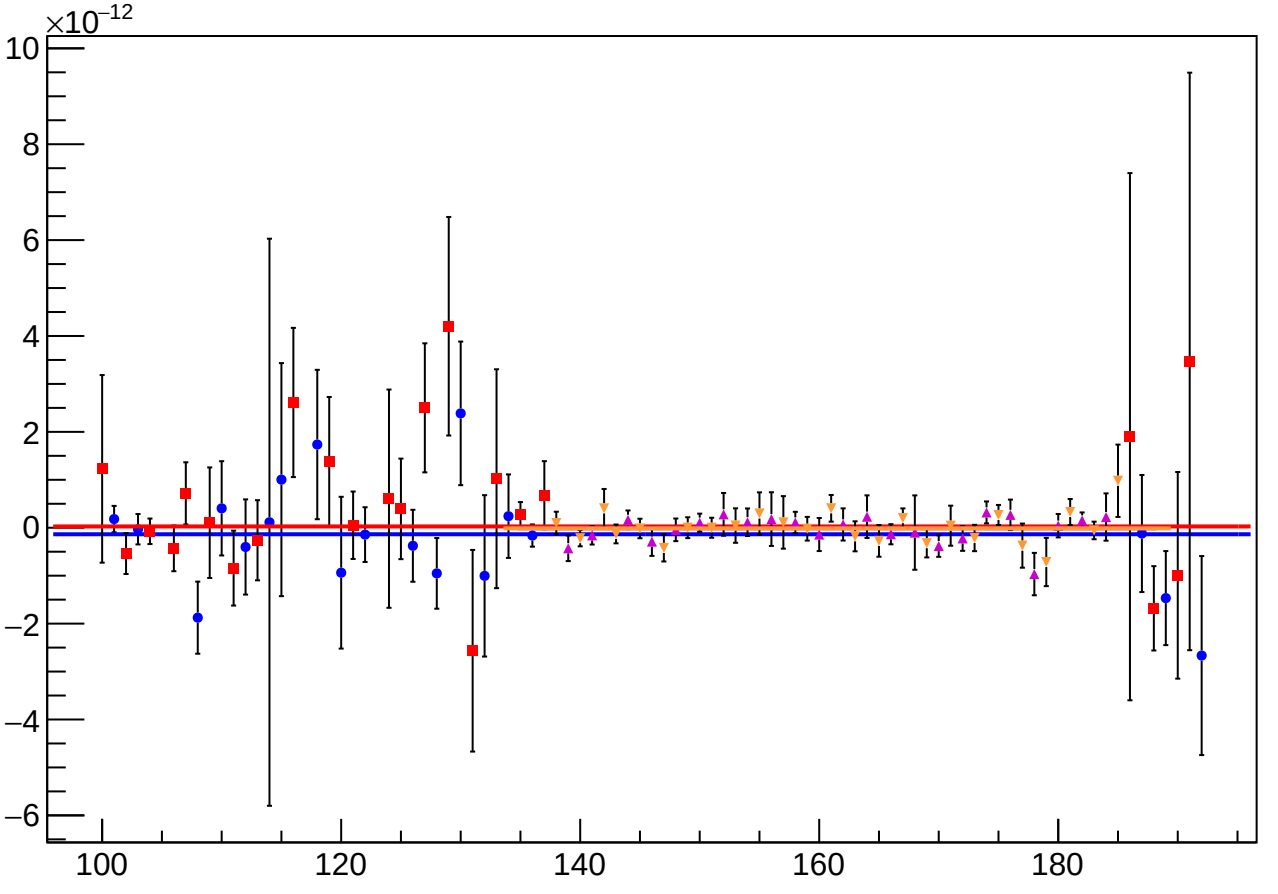
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9066.021+/-1.237 χ^2/NDF: 2311720.5/43

All: 8981.043+/-0.875 χ^2/NDF: 5196772.6/89

- sign 8895.924+/-1.238 χ^2/NDF: 2875599.5/45

asym_atr2_reg_vs_cor_diff_mean vs Slug



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

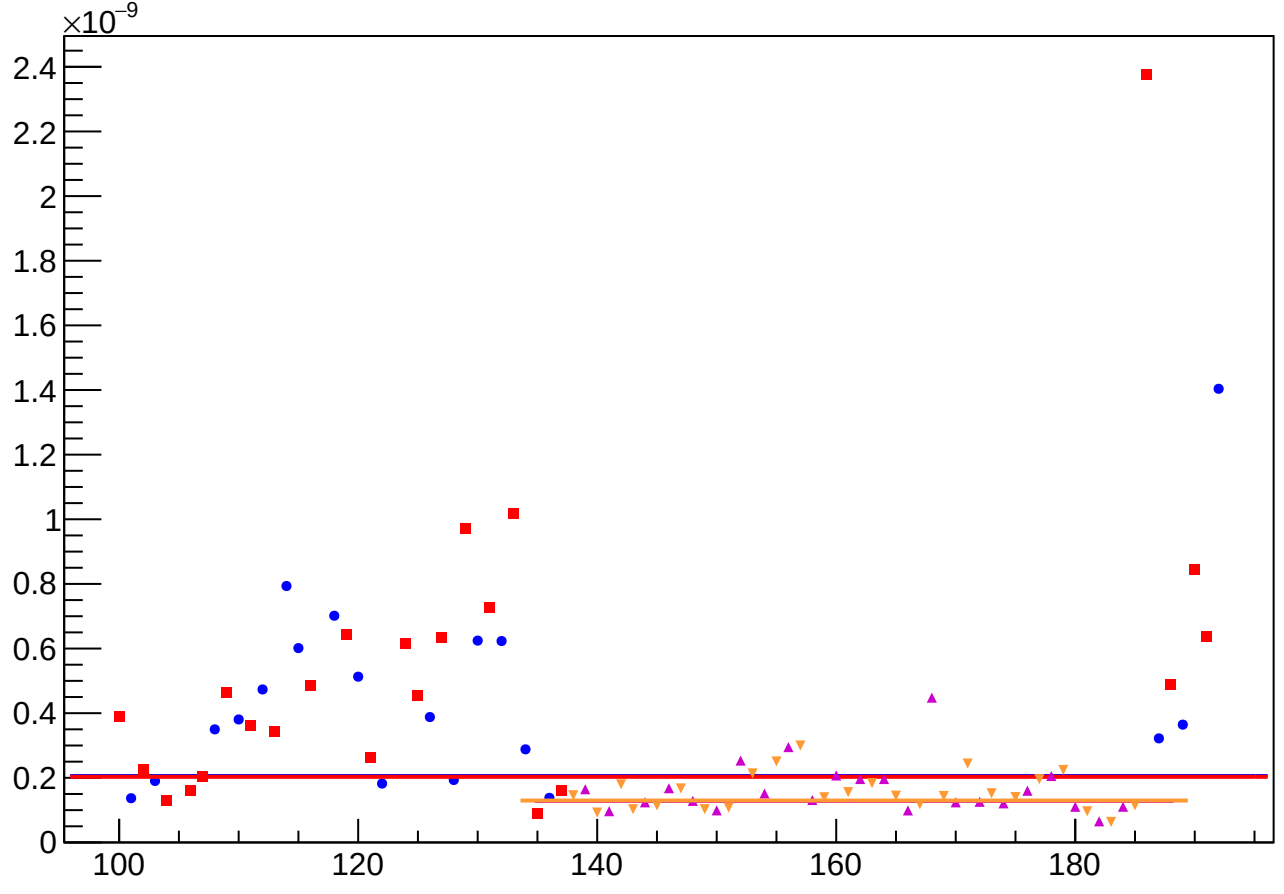
Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.2/43

All: -0.000+/-0.000 χ^2/NDF: 80.7/89

- sign -0.000+/-0.000 χ^2/NDF: 43.4/45

asym_atr2_reg_vs_cor_diff_rms vs Slug



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

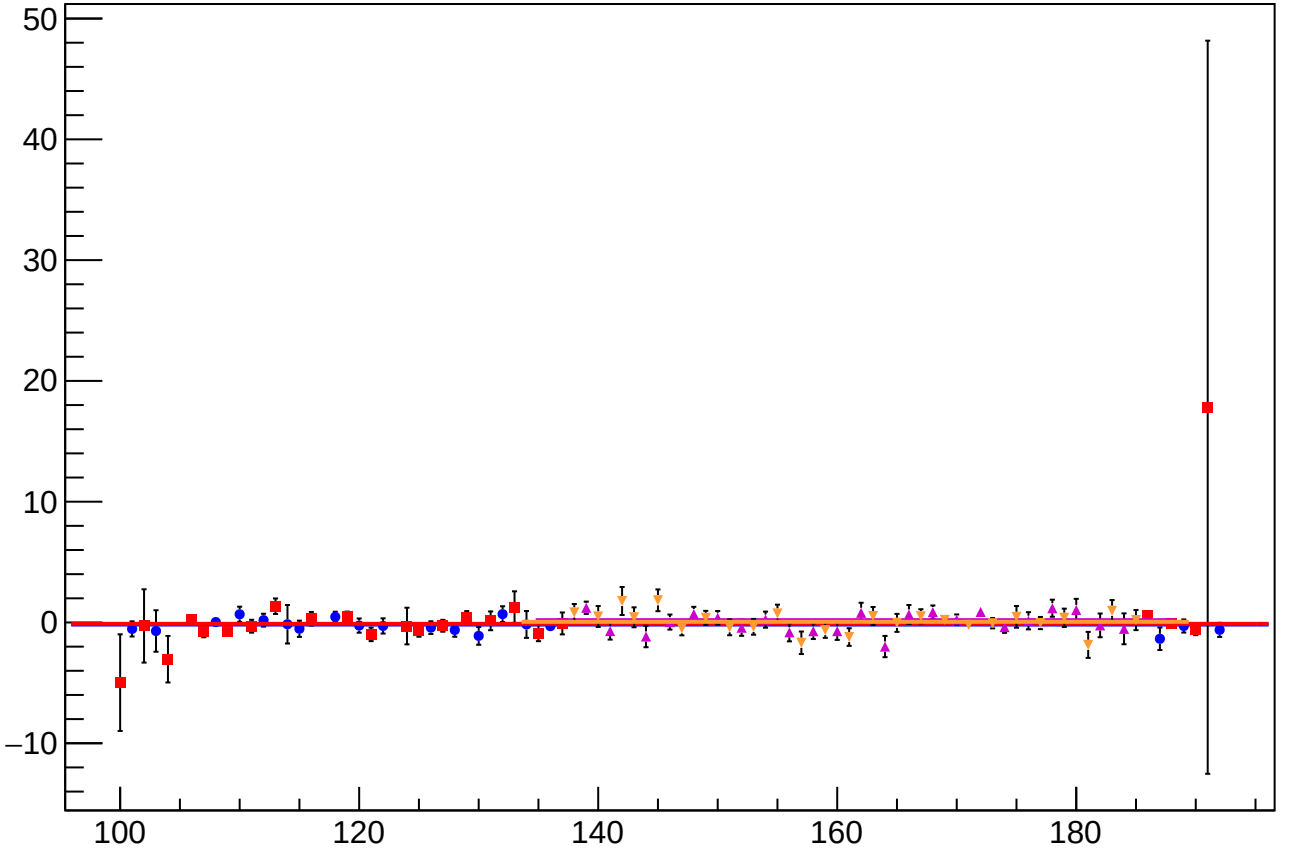
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4048868.7/43

All: 0.000+/-0.000 χ^2/NDF: 8869623.5/89

- sign 0.000+/-0.000 χ^2/NDF: 4819668.3/45

asym_atr2_dit_vs_cor_diff_mean vs Slug



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

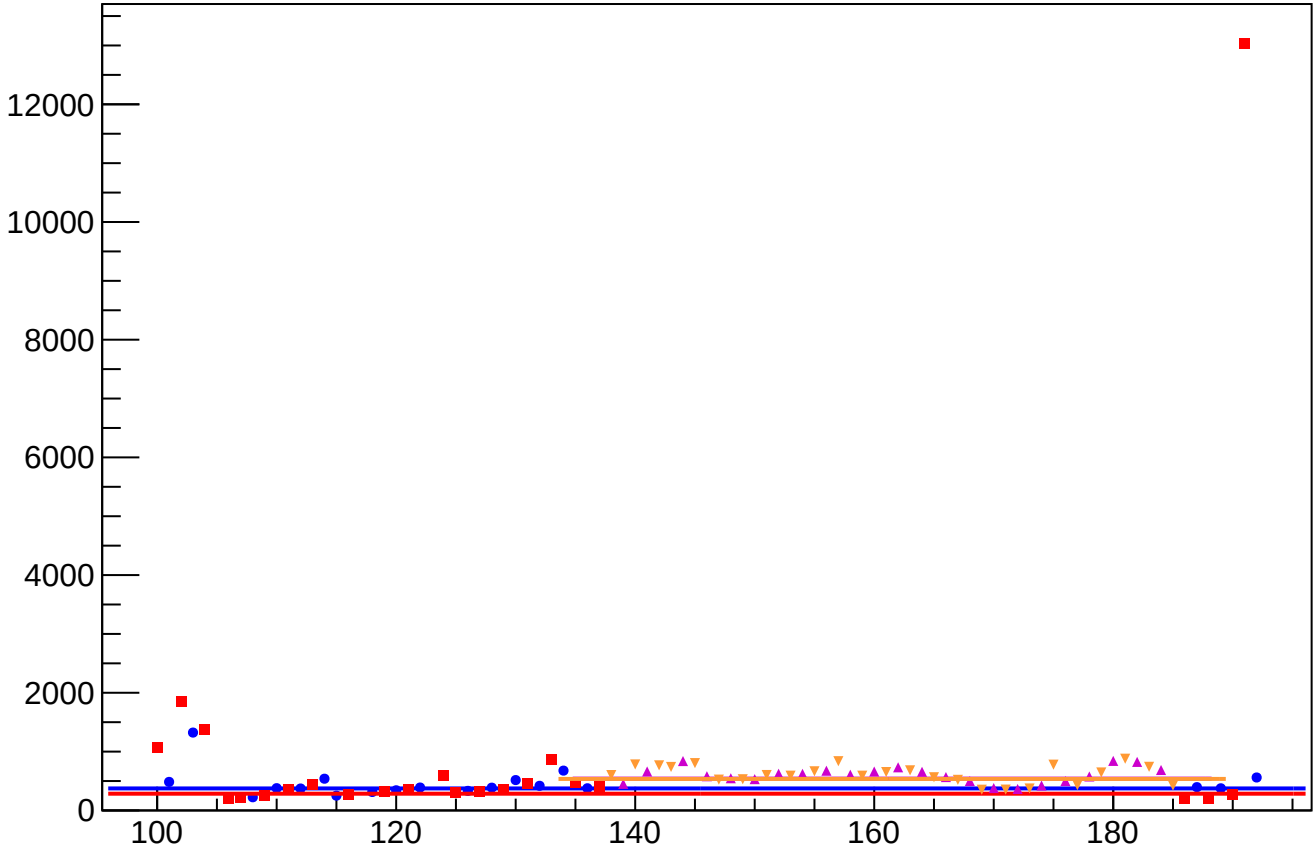
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.053+/-0.093 χ^2/NDF: 38.2/43

All: -0.020+/-0.062 χ^2/NDF: 101.9/89

- sign 0.008+/-0.084 χ^2/NDF: 63.4/45

asym_atr2_dit_vs_cor_diff_rms vs Slug



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

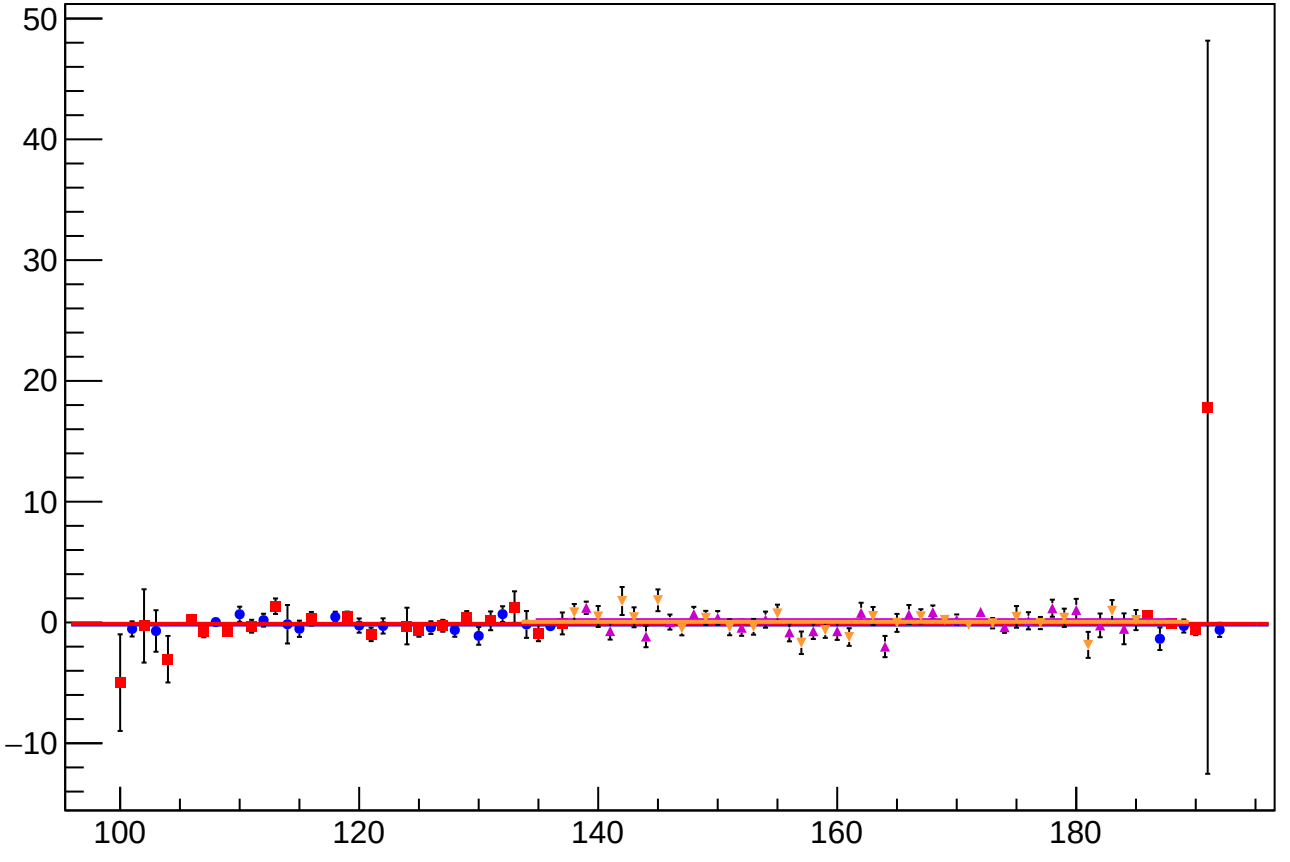
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 458.141+/-0.066 χ^2/NDF: 5846509.5/43

All: 418.213+/-0.044 χ^2/NDF: 16091484.7/89

- sign 386.051+/-0.059 χ^2/NDF: 9583676.8/45

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



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

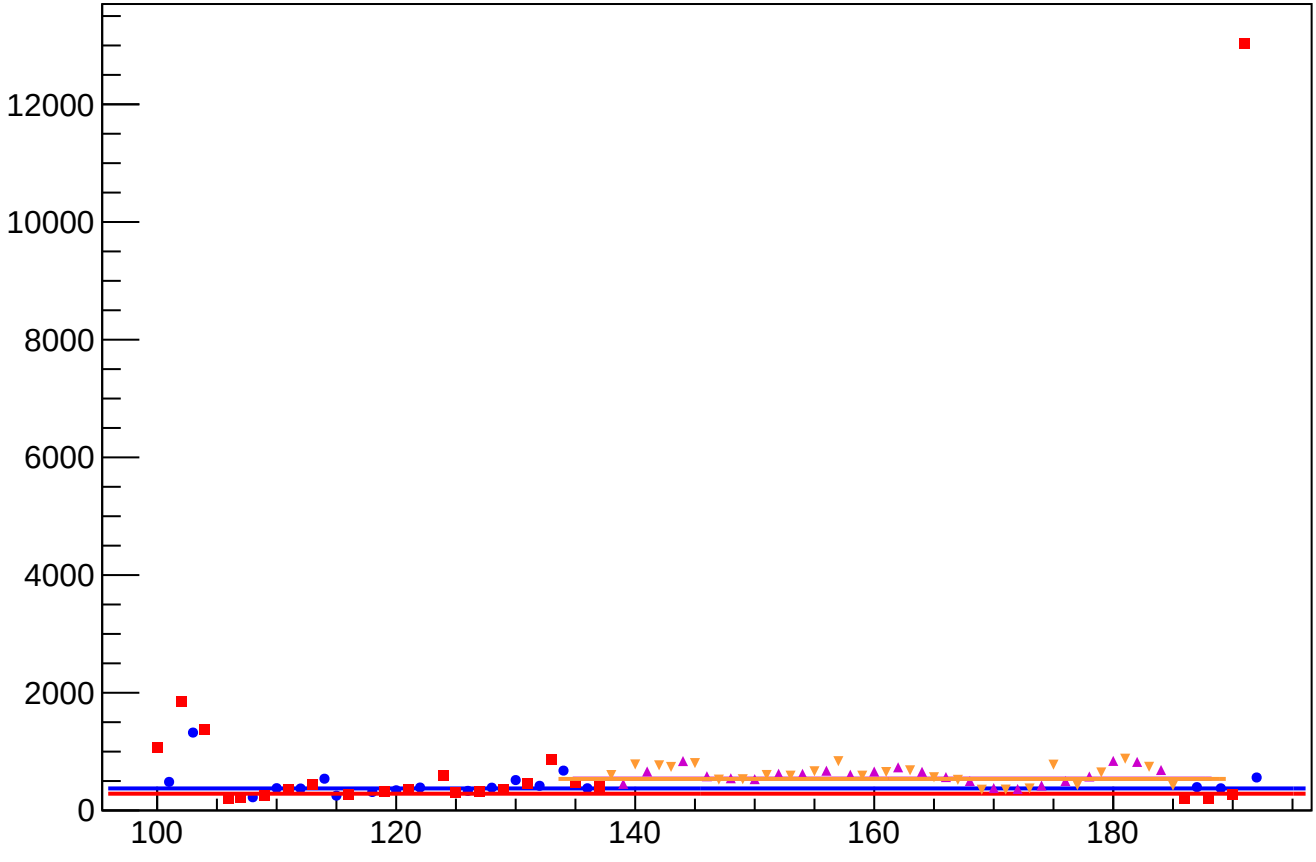
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.053+/-0.093 χ^2/NDF: 38.2/43

All: -0.020+/-0.062 χ^2/NDF: 101.9/89

- sign 0.008+/-0.084 χ^2/NDF: 63.4/45

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



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

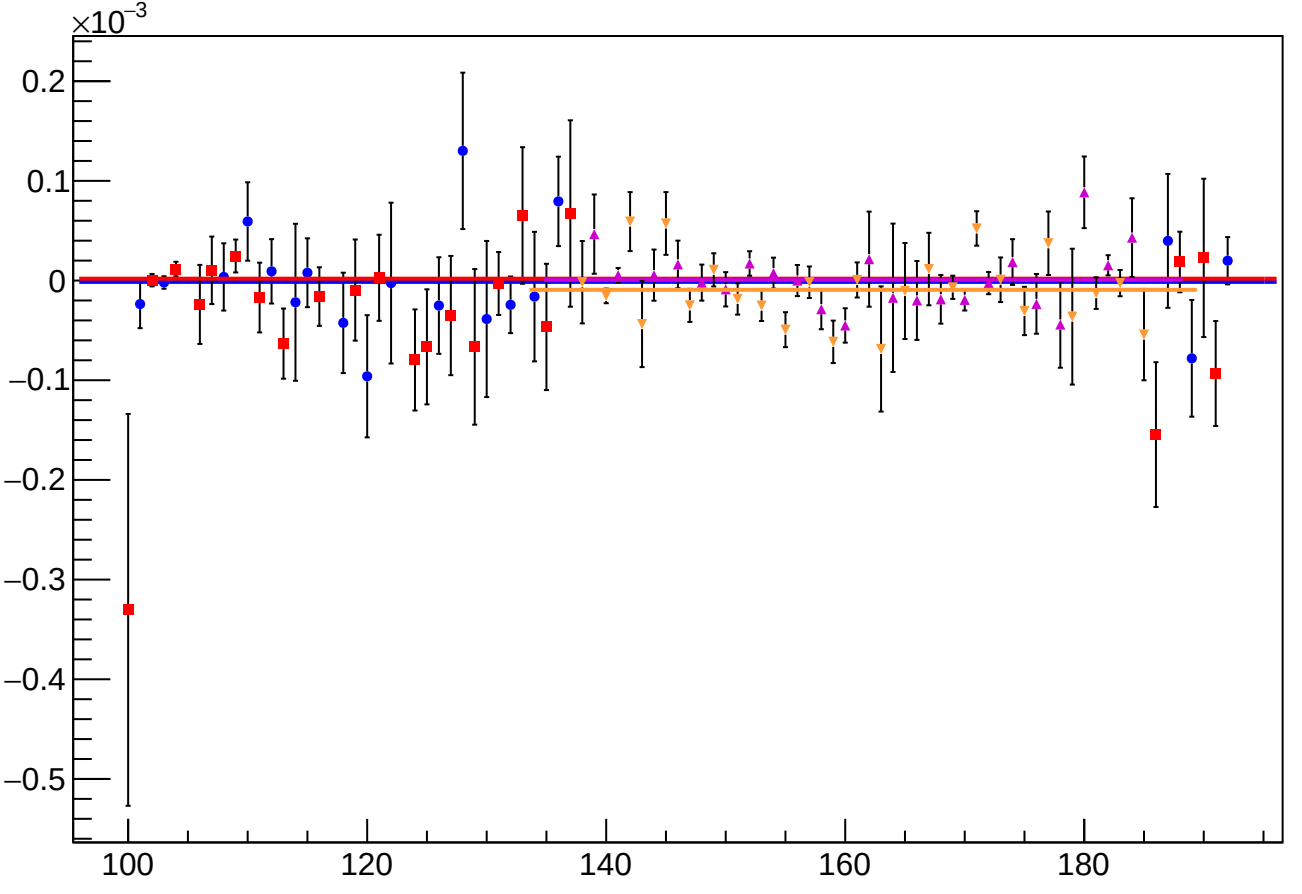
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 458.141+/-0.066 χ^2/NDF: 5846509.5/43

All: 418.213+/-0.044 χ^2/NDF: 16091484.7/89

- sign 386.051+/-0.059 χ^2/NDF: 9583676.8/45

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



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

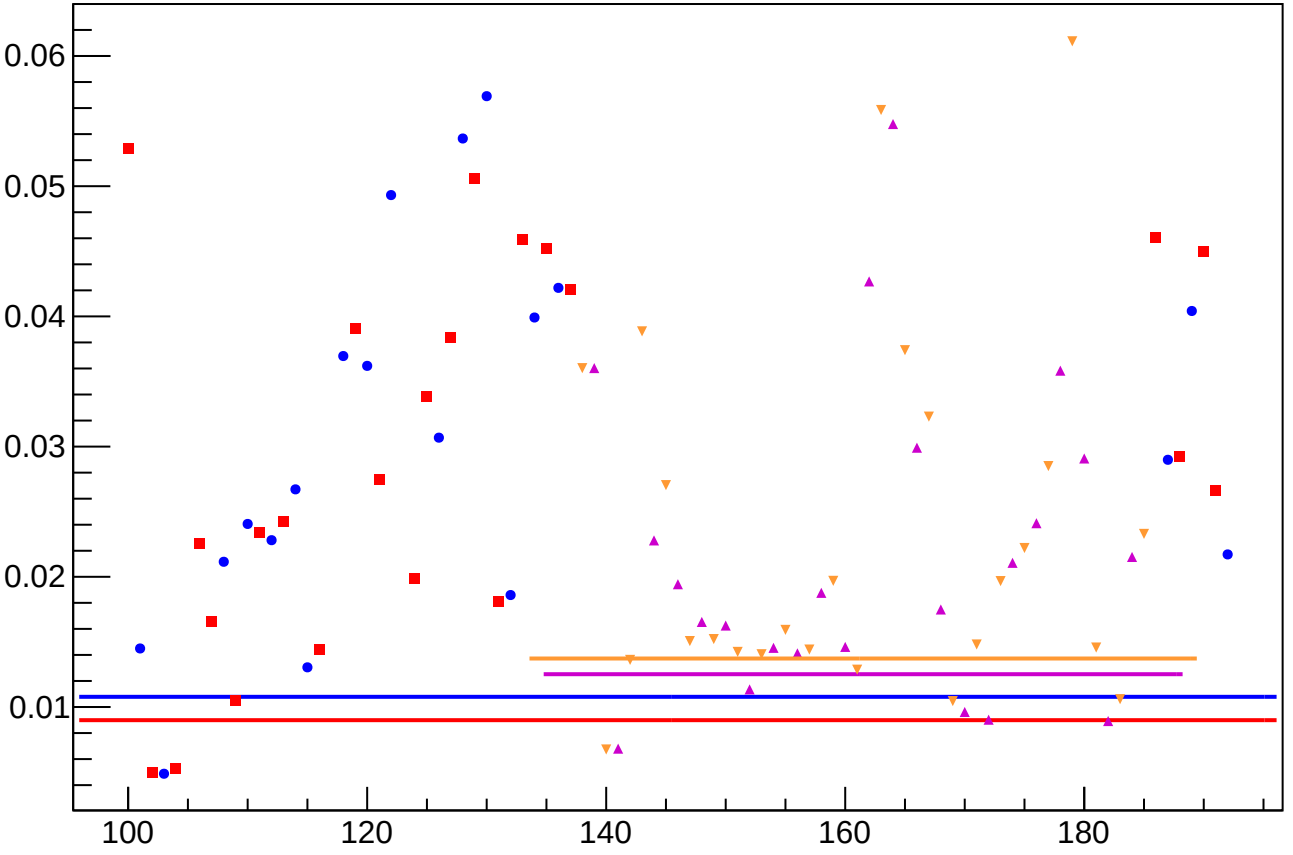
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.4/43

All: -0.000+/-0.000 χ^2/NDF: 123.9/89

- sign 0.000+/-0.000 χ^2/NDF: 56.6/45

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



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

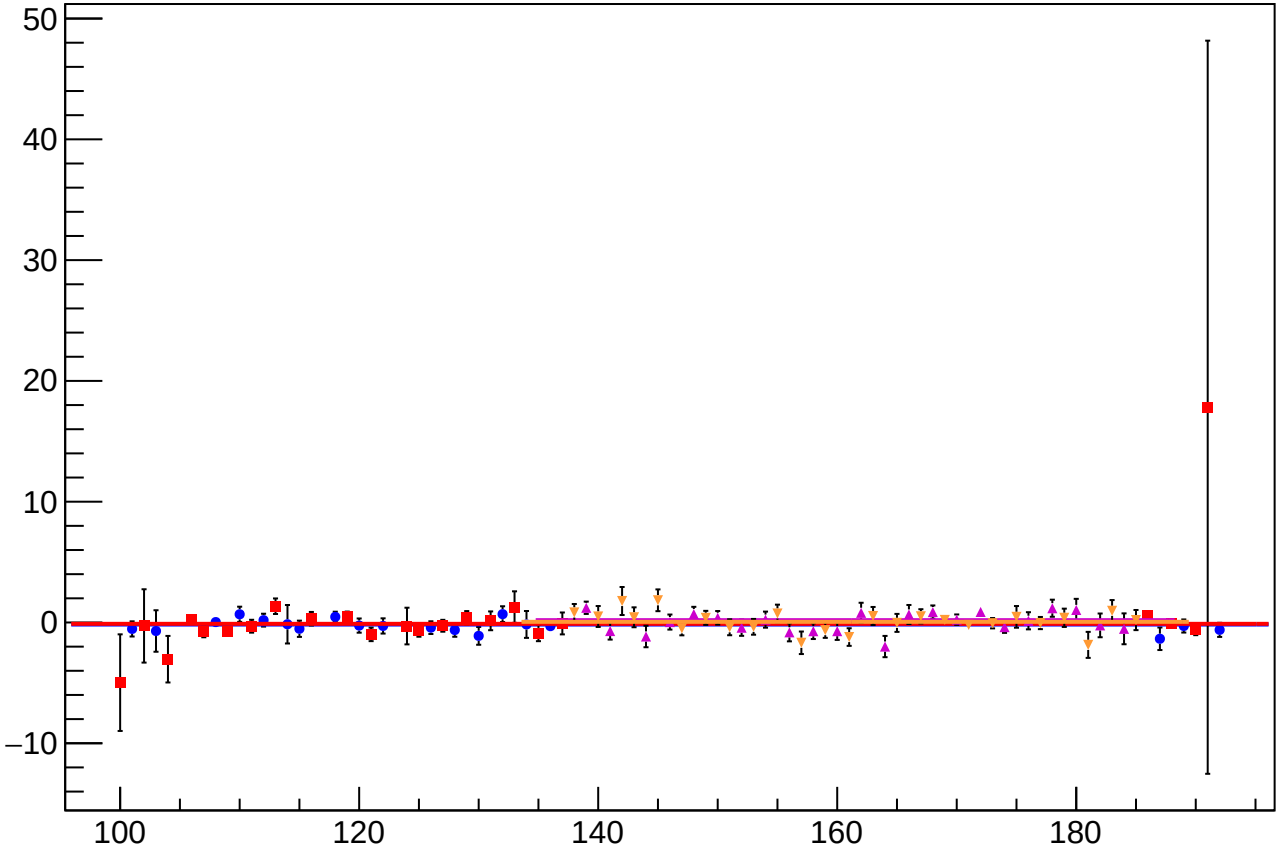
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 16344072.8/43

All: 0.012+/-0.000 χ^2/NDF: 33531792.5/89

- sign 0.011+/-0.000 χ^2/NDF: 16825322.4/45

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



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

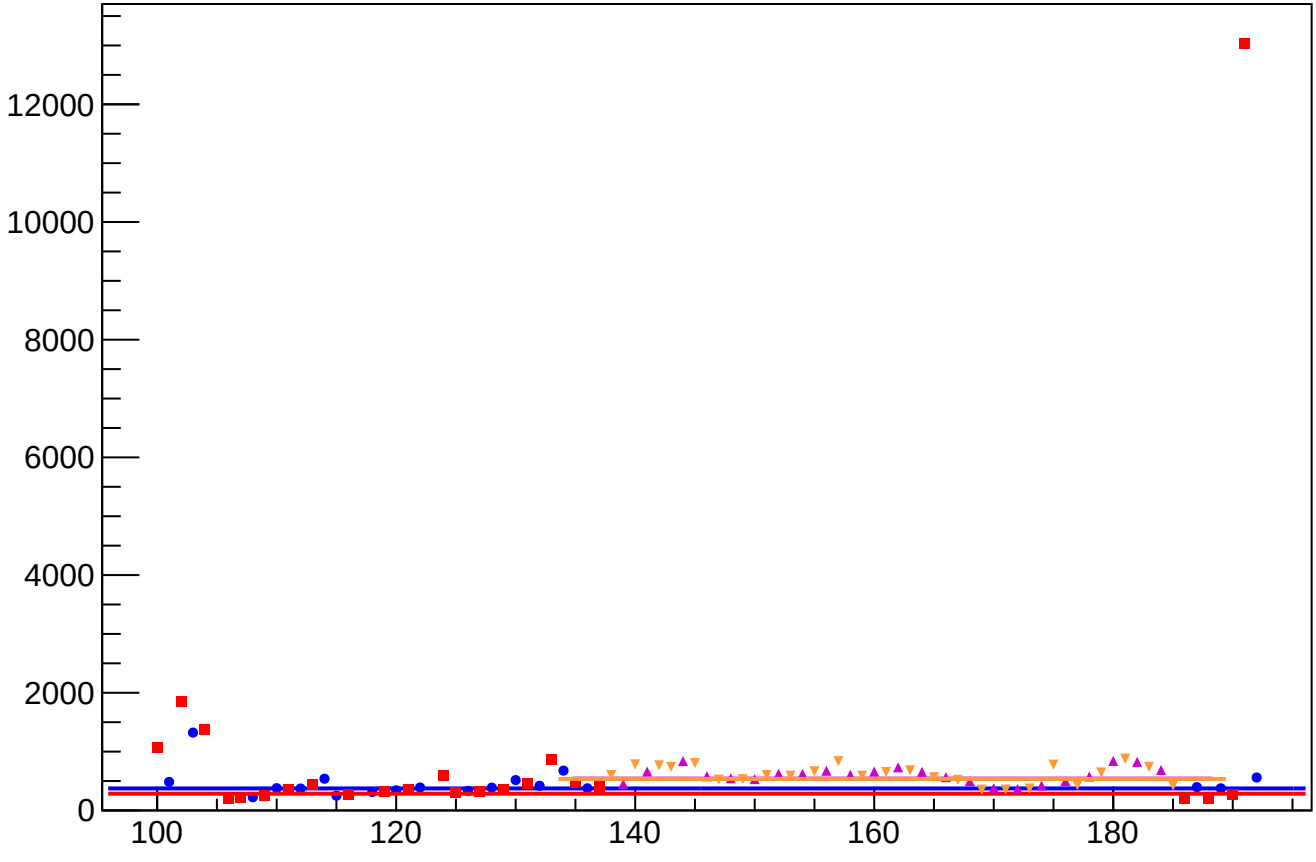
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.053+/-0.093 χ^2/NDF: 38.2/43

All: -0.020+/-0.062 χ^2/NDF: 101.9/89

- sign 0.008+/-0.084 χ^2/NDF: 63.4/45

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



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

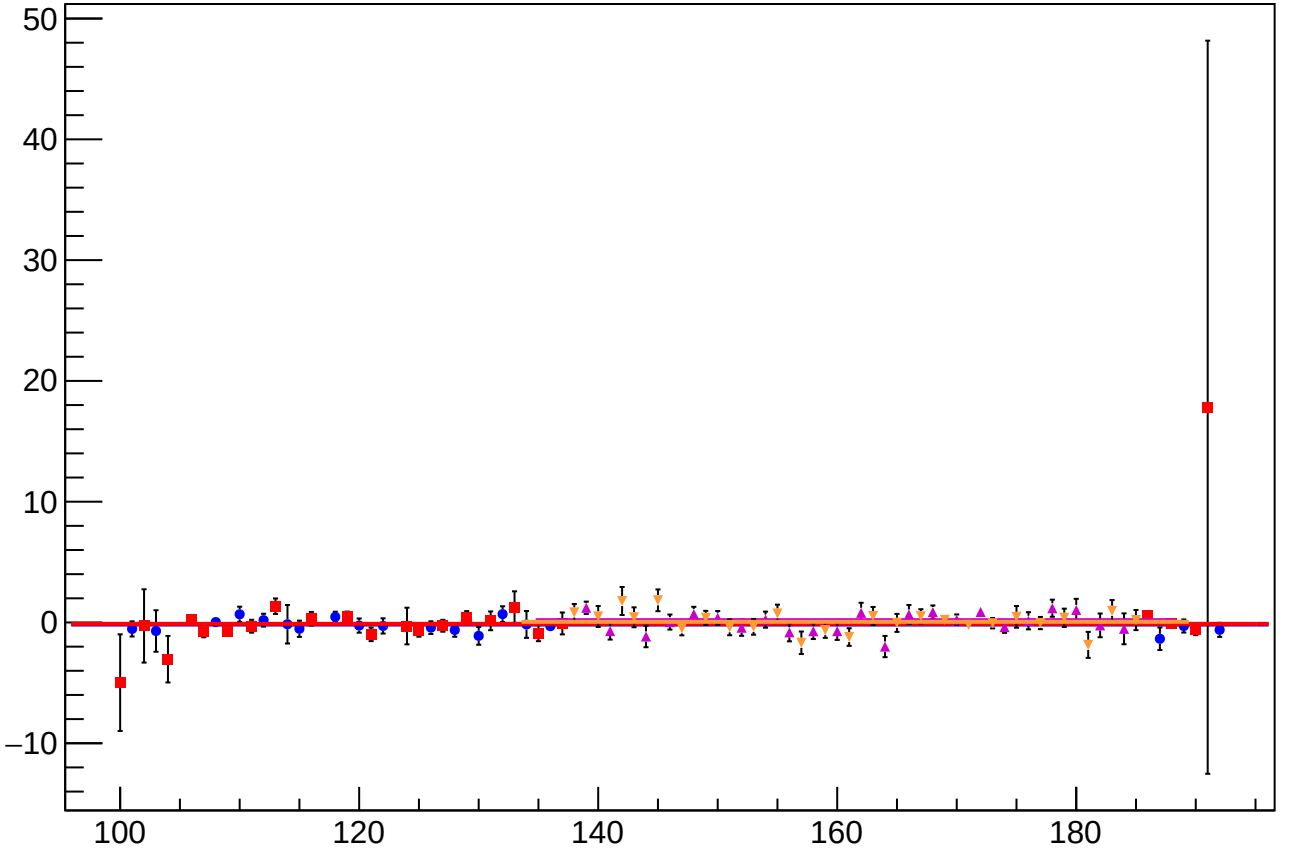
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 458.140+/-0.066 χ^2/NDF: 5846749.5/43

All: 418.213+/-0.044 χ^2/NDF: 16091793.1/89

- sign 386.051+/-0.059 χ^2/NDF: 9583776.6/45

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

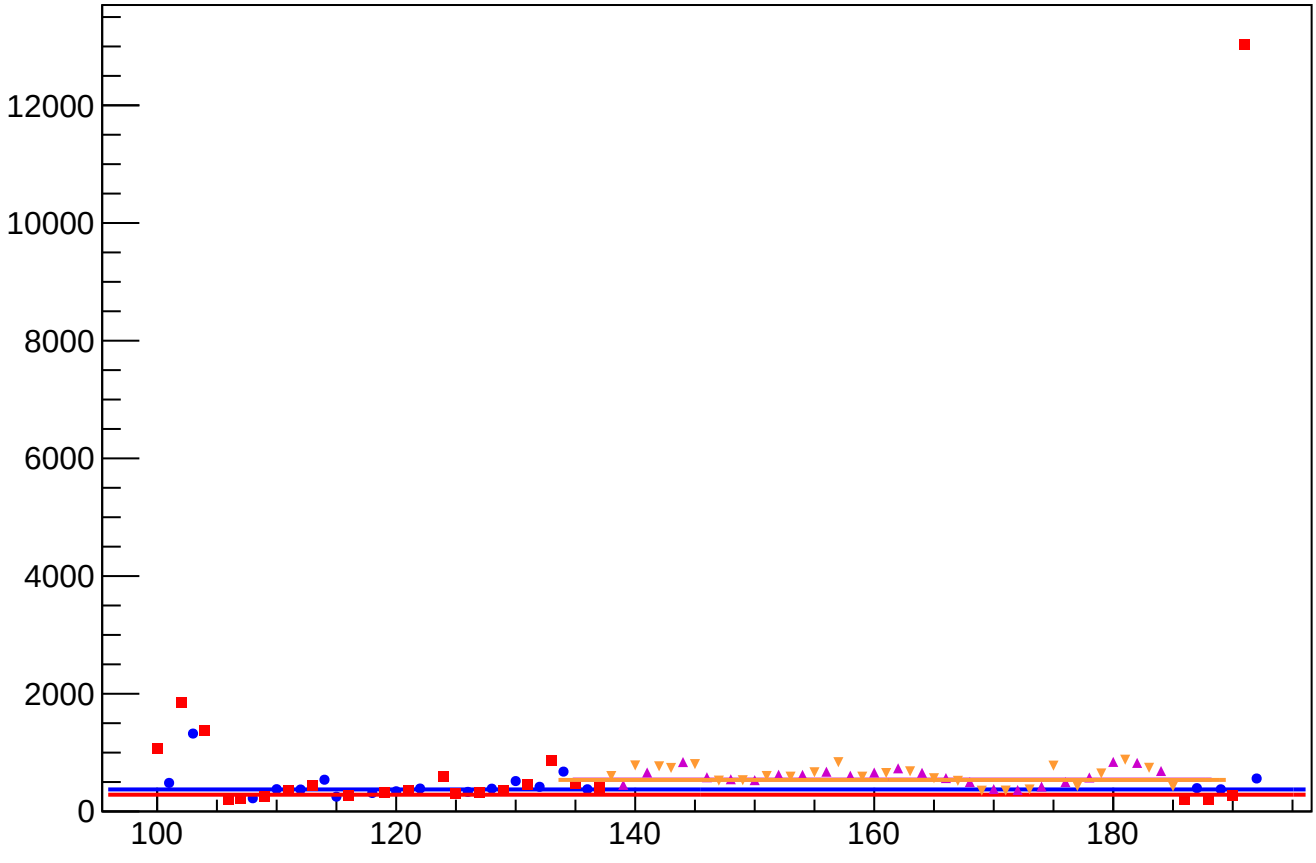
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.053+/-0.093 χ^2/NDF: 38.2/43

All: -0.020+/-0.062 χ^2/NDF: 101.9/89

- sign 0.008+/-0.084 χ^2/NDF: 63.4/45

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

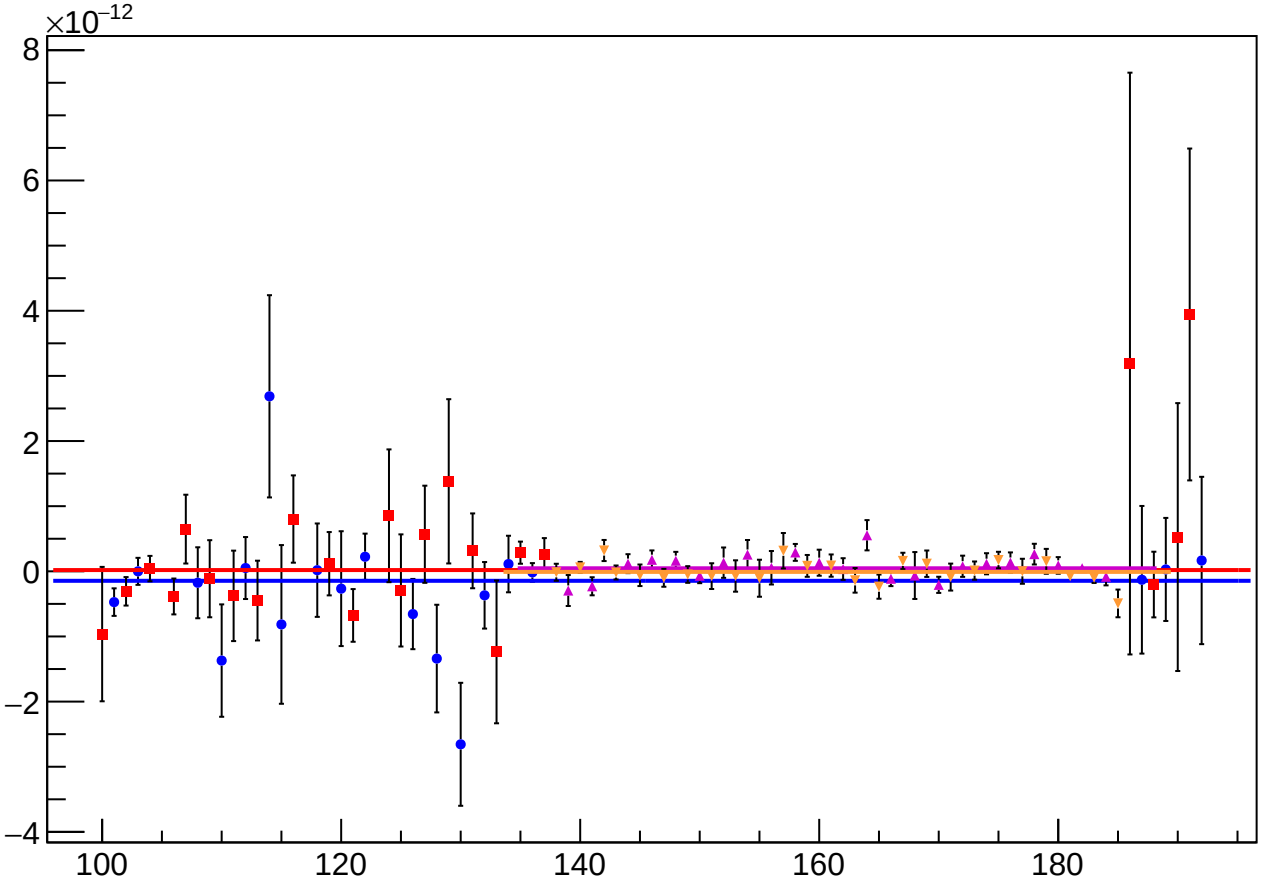
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 458.140+/-0.066 χ^2/NDF: 5846749.5/43

All: 418.213+/-0.044 χ^2/NDF: 16091793.1/89

- sign 386.051+/-0.059 χ^2/NDF: 9583776.6/45

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

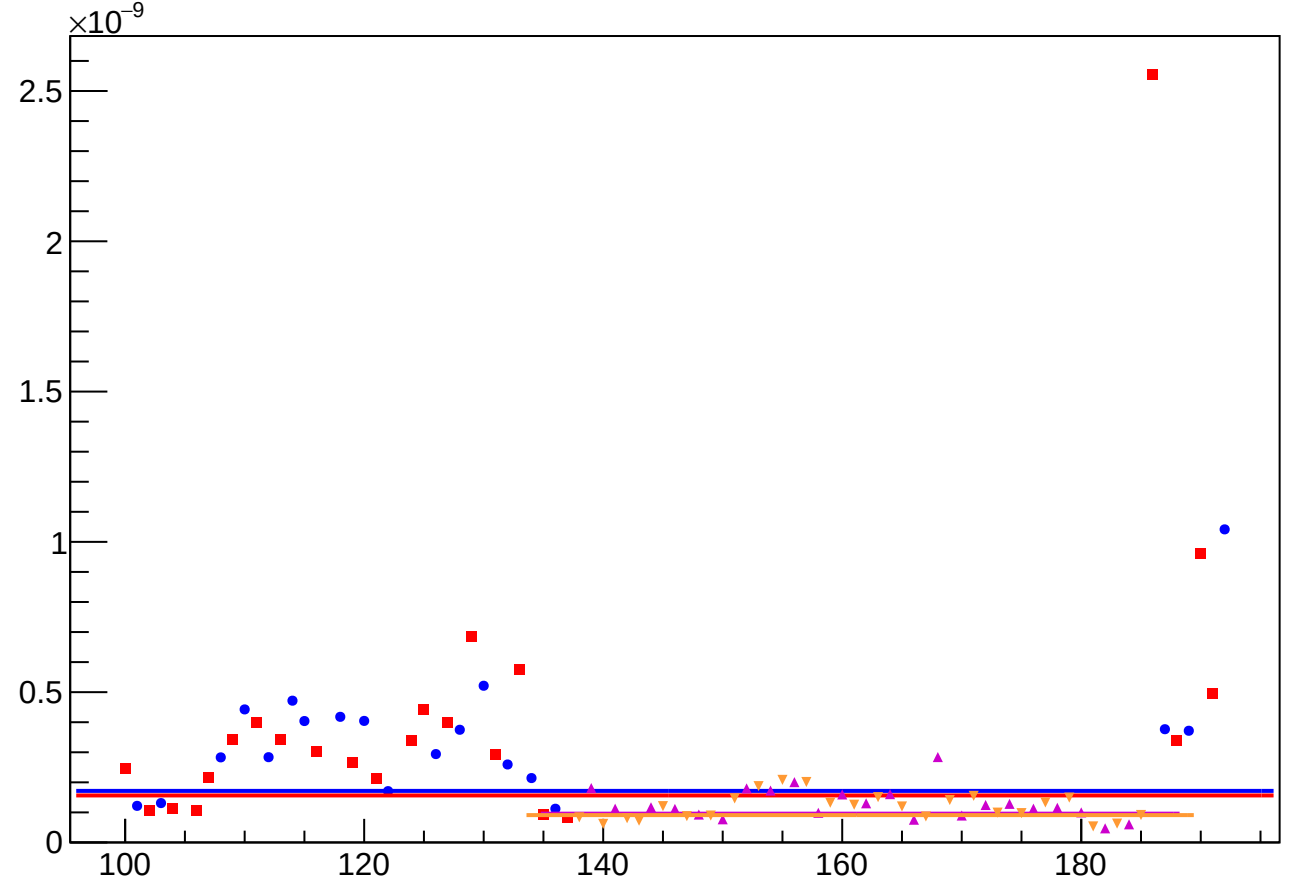
Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/22

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.8/43

All: 0.000+/-0.000 χ^2/NDF: 99.5/89

- sign 0.000+/-0.000 χ^2/NDF: 50.8/45



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

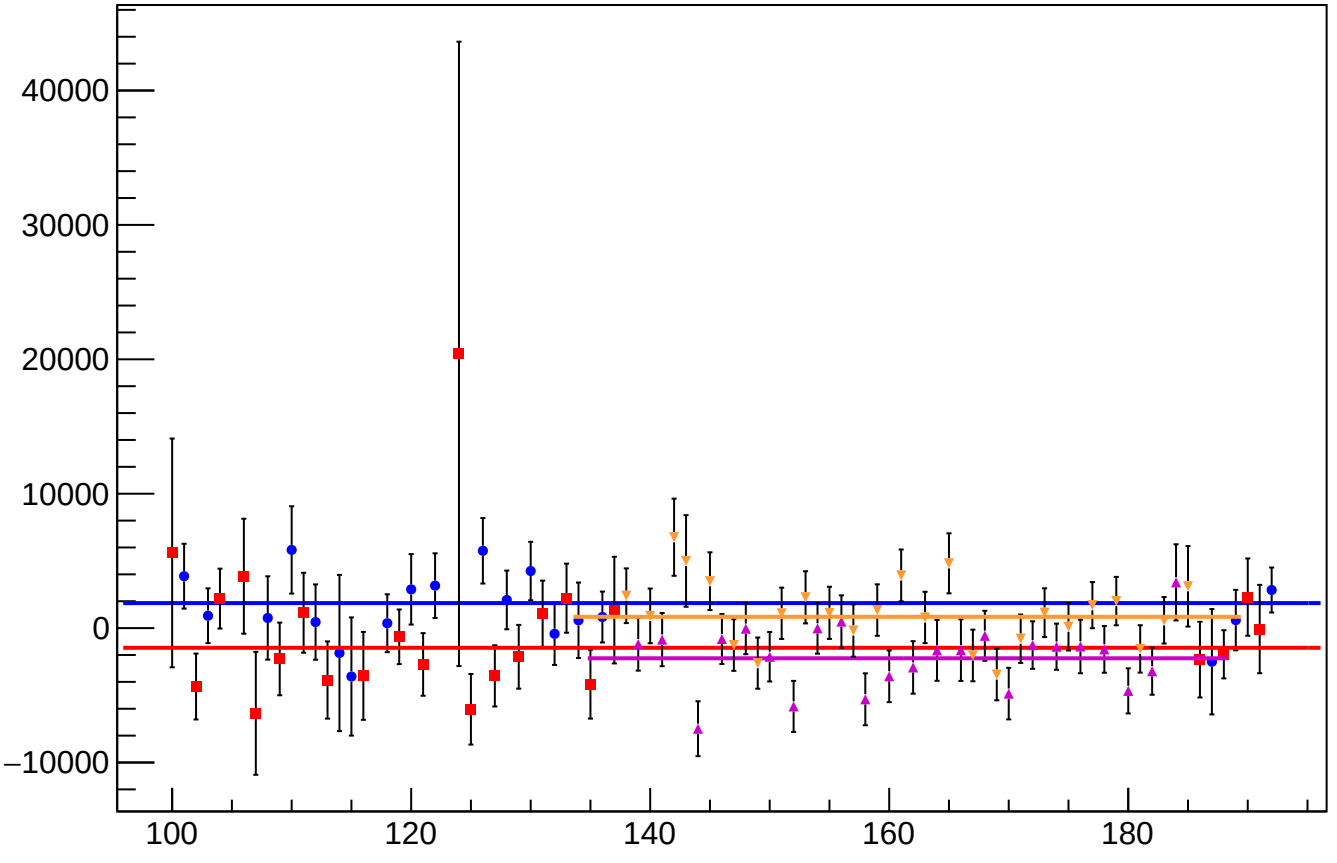
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8087283.4/43

All: 0.000+/-0.000 χ^2/NDF: 17025295.5/89

- sign 0.000+/-0.000 χ^2/NDF: 8914756.2/45

reg_asym_atl_avg_mean vs Slug



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

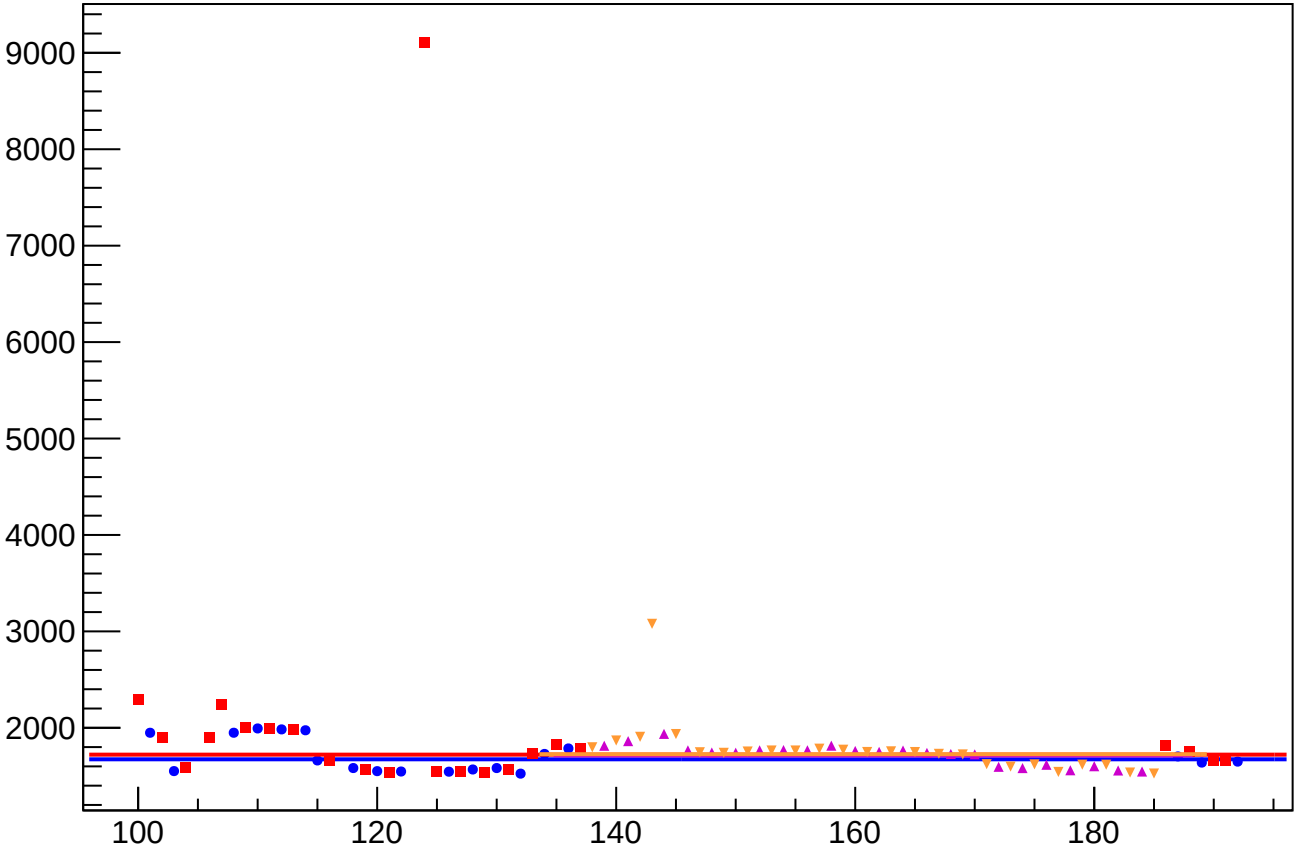
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1177.404+/-323.027 χ^2/NDF: 45.4/43

All: -381.239+/-230.110 χ^2/NDF: 144.8/89

- sign -1987.033+/-327.877 χ^2/NDF: 52.2/45

reg_asym_atl_avg_rms vs Slug



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

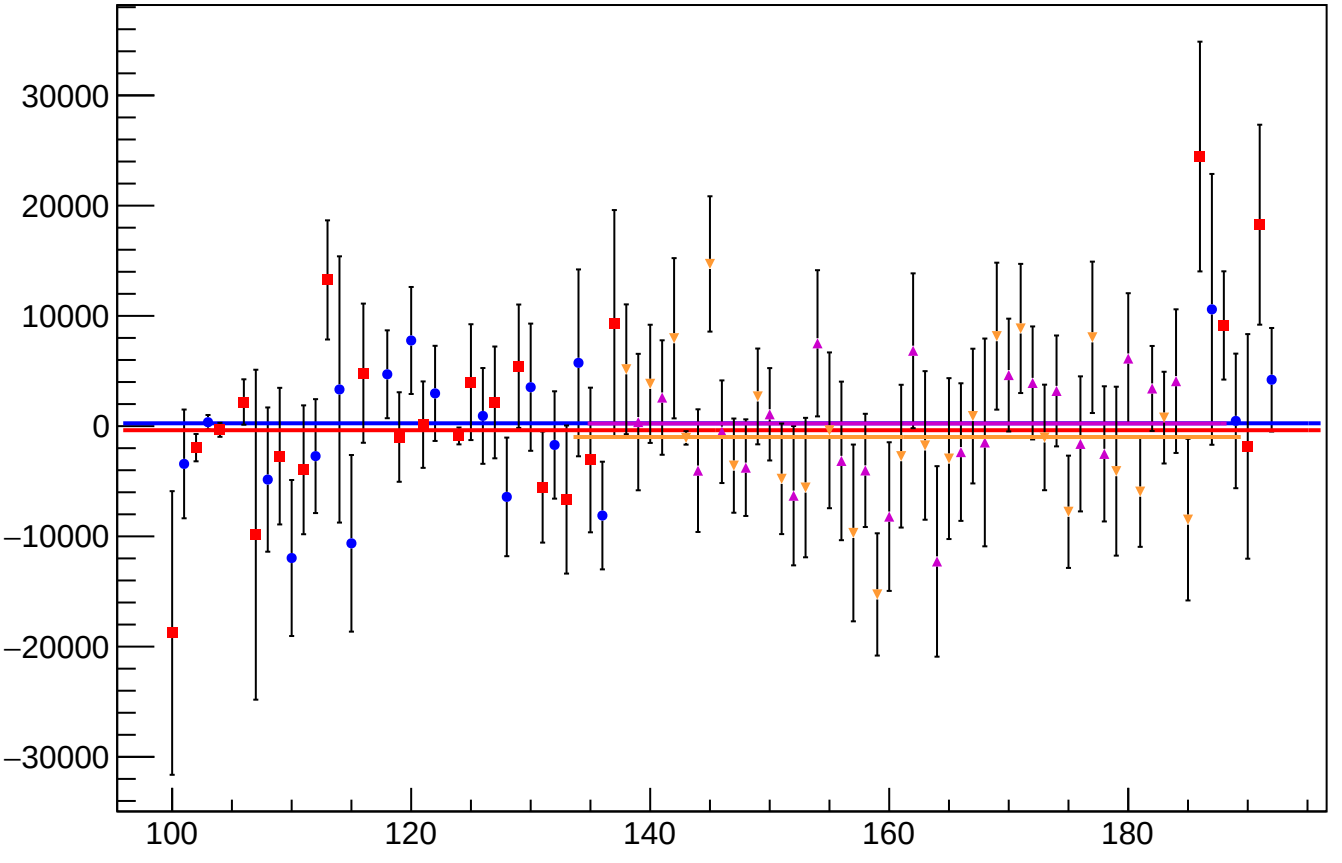
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1708.691+/-0.228 χ^2/NDF: 609301.4/43

All: 1712.280+/-0.163 χ^2/NDF: 1126957.3/89

- sign 1715.970+/-0.232 χ^2/NDF: 517155.0/45

asym_atl_avg_reg_correction_mean vs Slug



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

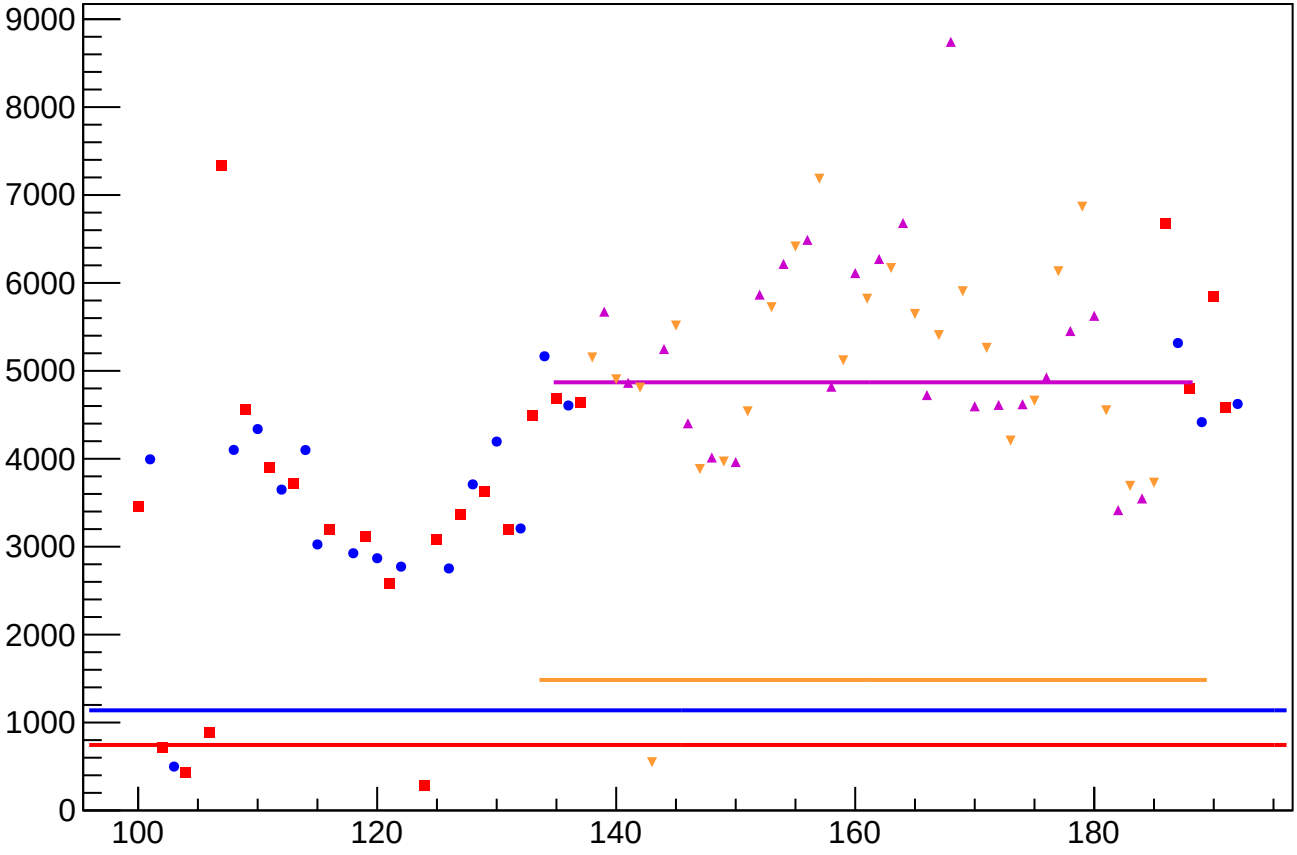
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -412.139+/-396.854 χ^2/NDF: 50.5/43

All: -355.876+/-280.599 χ^2/NDF: 96.7/89

- sign -299.628+/-396.800 χ^2/NDF: 46.1/45

asym_atl_avg_reg_correction_rms vs Slug



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

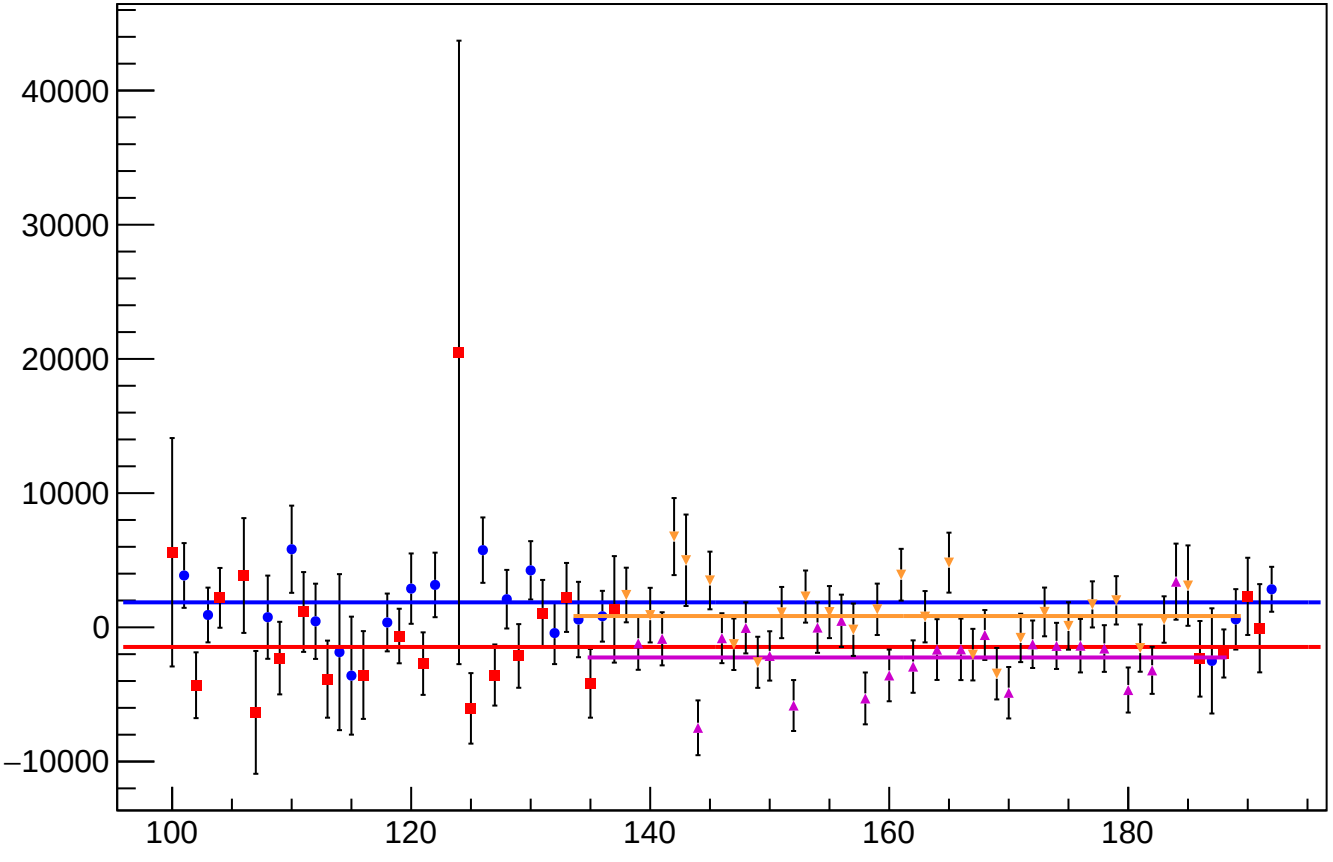
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1324.731+/-0.281 χ^2/NDF: 33675772.5/43

All: 1274.024+/-0.198 χ^2/NDF: 68919834.9/8

- sign 1223.330+/-0.281 χ^2/NDF: 35178766.2/45

cor_asym_atl_avg_mean vs Slug



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

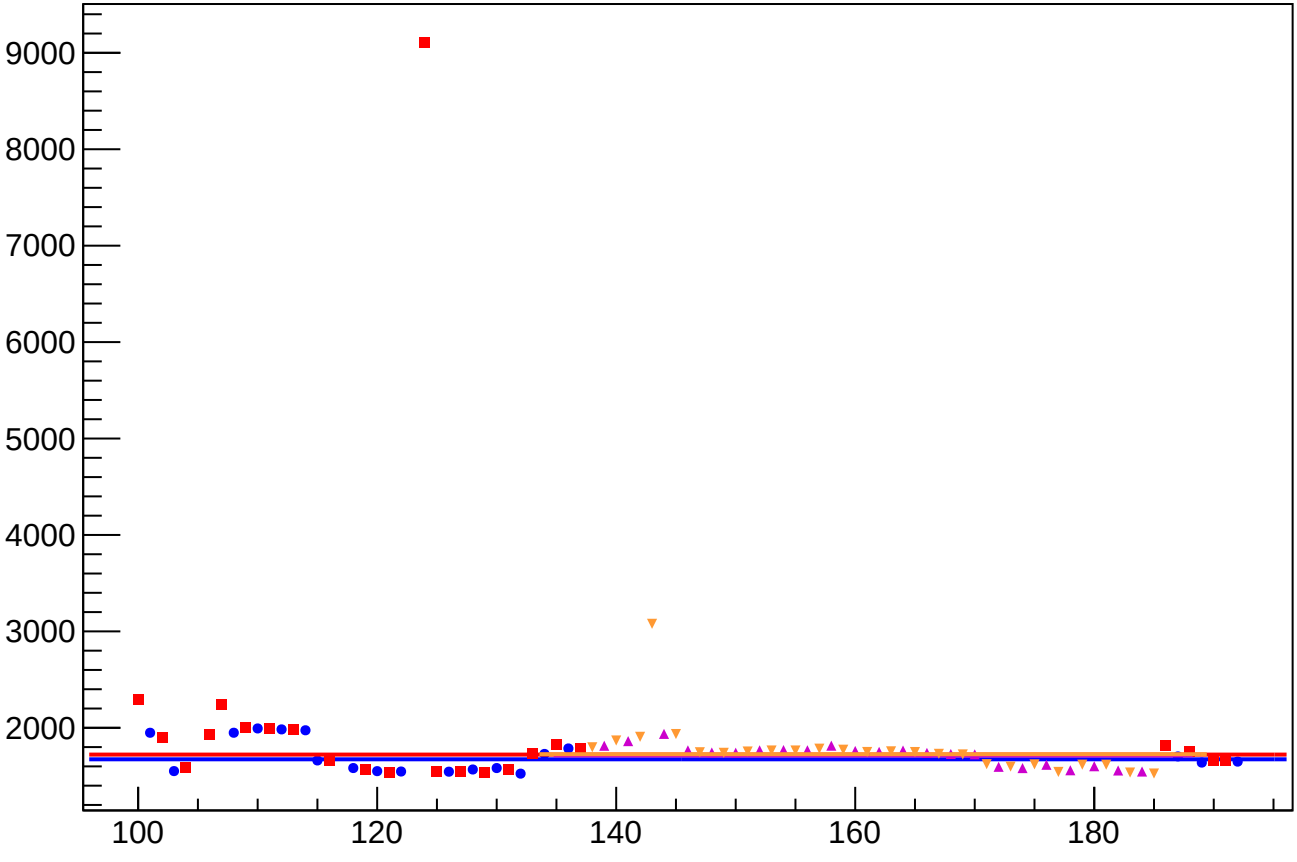
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1177.436+/-323.027 χ^2/NDF: 45.4/43

All: -380.908+/-230.110 χ^2/NDF: 144.8/89

- sign -1986.401+/-327.878 χ^2/NDF: 52.2/45

cor_asym_atl_avg_rms vs Slug



Right In: 1673.323+/-0.398 χ^2/NDF: 142597.3/18

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

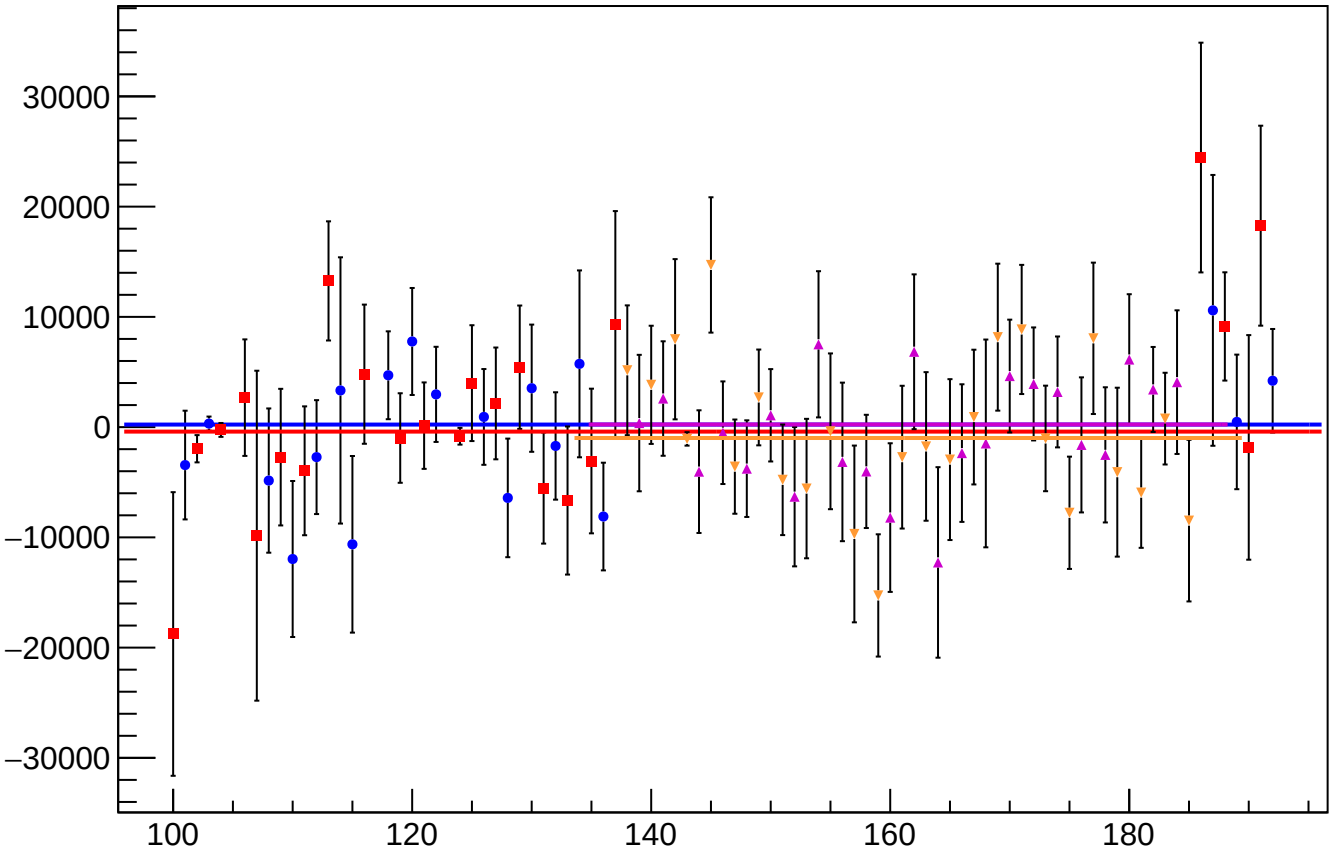
Right Out: 1722.286+/-0.402 χ^2/NDF: 389284.2/22

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1708.691+/-0.228 χ^2/NDF: 609301.5/43

All: 1712.388+/-0.163 χ^2/NDF: 1128752.4/89

- sign 1716.188+/-0.232 χ^2/NDF: 518919.6/45



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

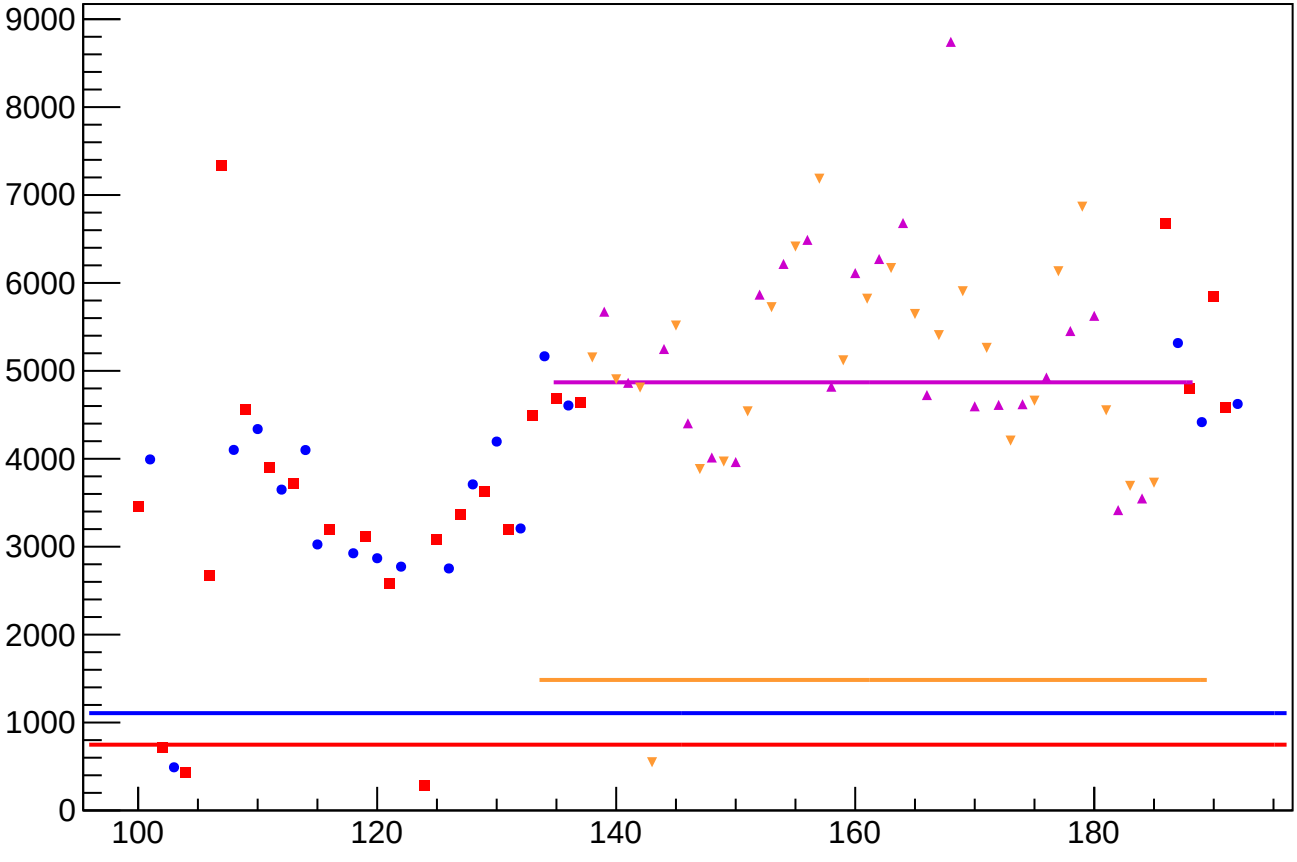
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -411.037+/-393.085 χ^2/NDF: 50.5/43

All: -371.094+/-280.897 χ^2/NDF: 95.4/89

- sign -329.413+/-401.547 χ^2/NDF: 44.9/45

asym_atl_avg_cor_correction_rms vs Slug



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

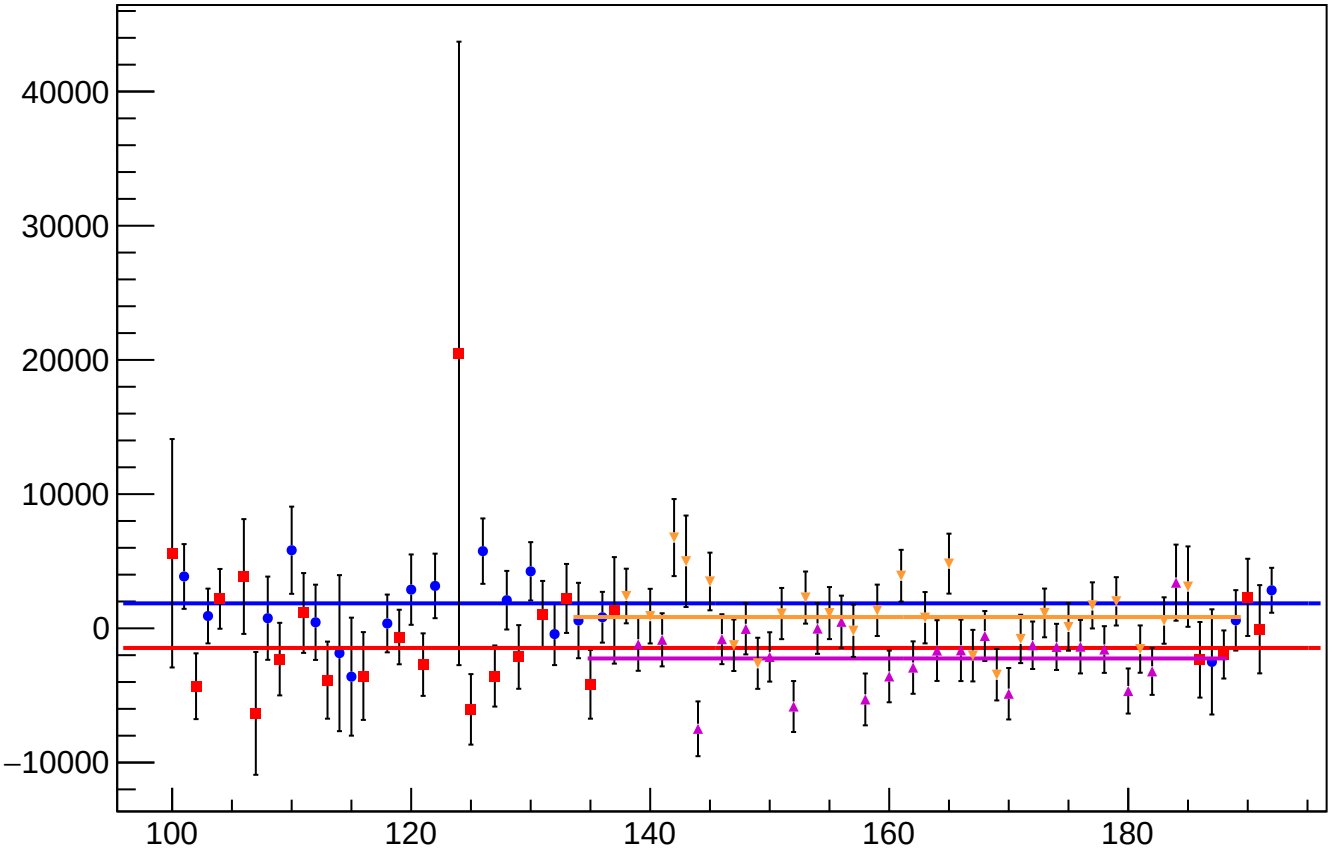
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1306.022+/-0.278 χ^2/NDF: 33904609.1/43

All: 1272.603+/-0.199 χ^2/NDF: 69283490.3/8

- sign 1237.730+/-0.284 χ^2/NDF: 35349340.8/45

eigen_cor_asym_atl_avg_mean vs Slug



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

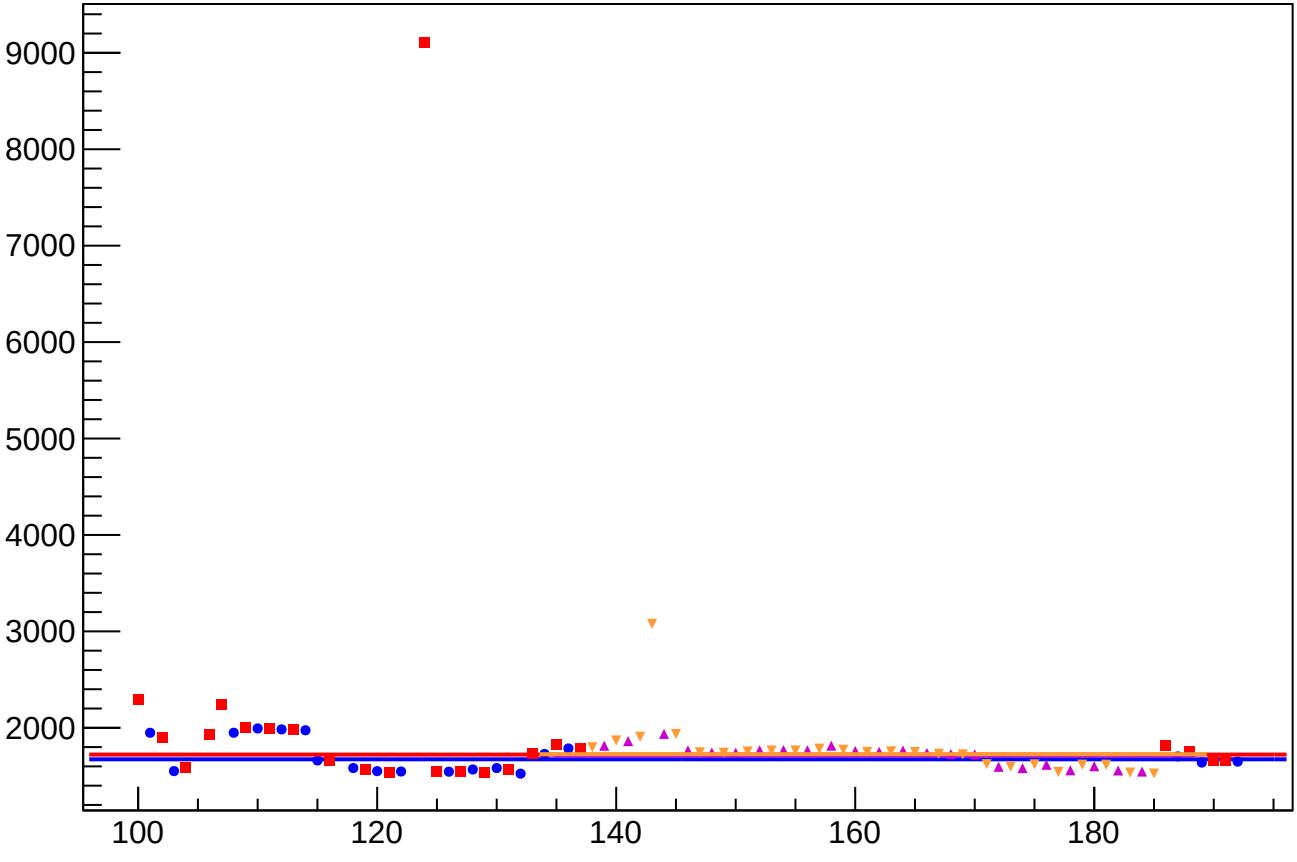
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1177.436+/-323.027 χ^2/NDF: 45.4/43

All: -380.908+/-230.110 χ^2/NDF: 144.8/89

- sign -1986.401+/-327.878 χ^2/NDF: 52.2/45

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1673.323+/-0.398 χ^2/NDF: 142597.3/18

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

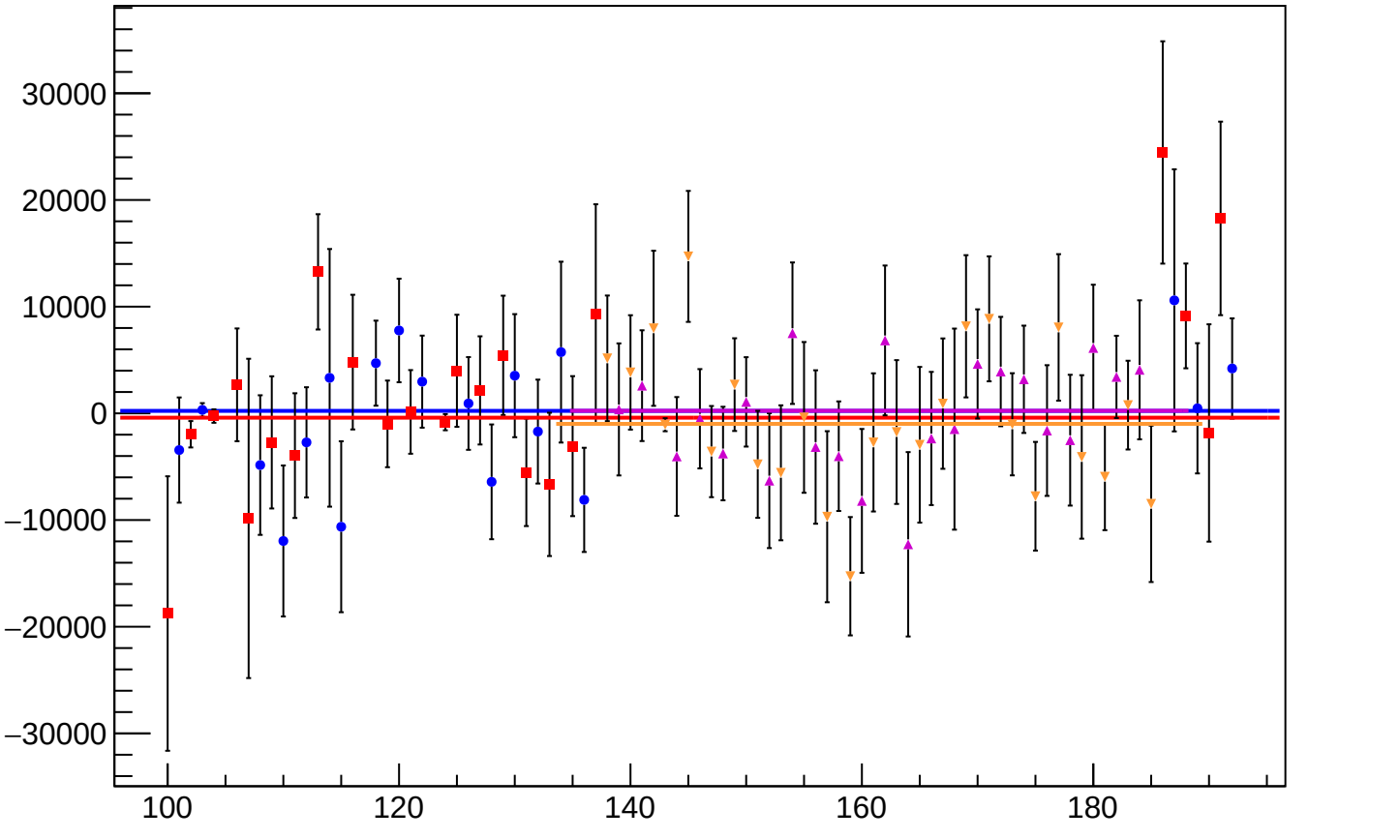
Right Out: 1722.286+/-0.402 χ^2/NDF: 389284.2/22

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1708.691+/-0.228 χ^2/NDF: 609301.5/43

All: 1712.388+/-0.163 χ^2/NDF: 1128752.4/89

- sign 1716.188+/-0.232 χ^2/NDF: 518919.6/45



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

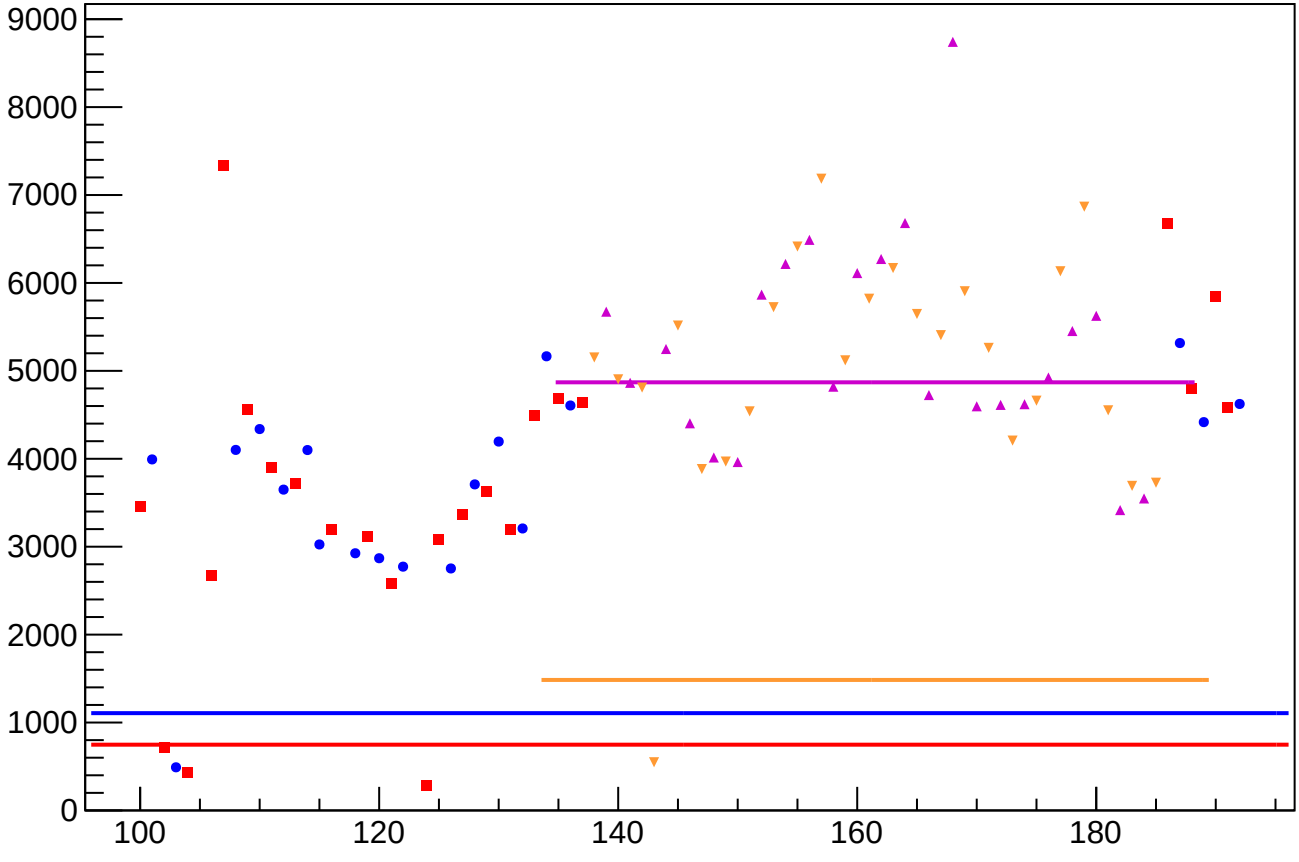
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -411.037+/-393.085 χ^2/NDF: 50.5/43

All: -371.094+/-280.897 χ^2/NDF: 95.4/89

\- sign -329.413+/-401.547 χ^2/NDF: 44.9/45

asym_atl_avg_eigen_cor_correction_rms vs Slug



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

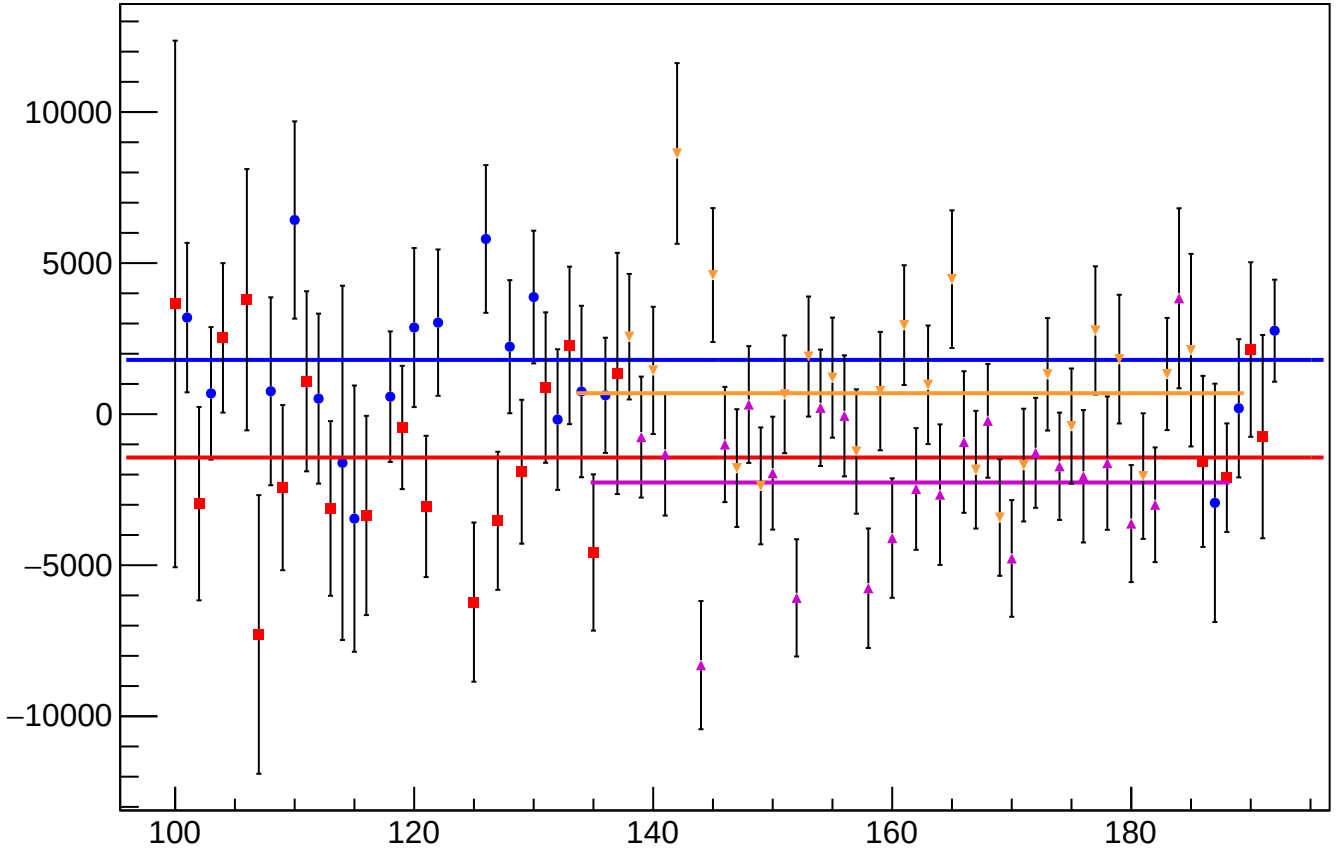
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1306.022+/-0.278 χ^2/NDF: 33904609.1/43

All: 1272.603+/-0.199 χ^2/NDF: 69283490.3/8

- sign 1237.730+/-0.284 χ^2/NDF: 35349340.8/45

dit_asym_atl_avg_mean vs Slug



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

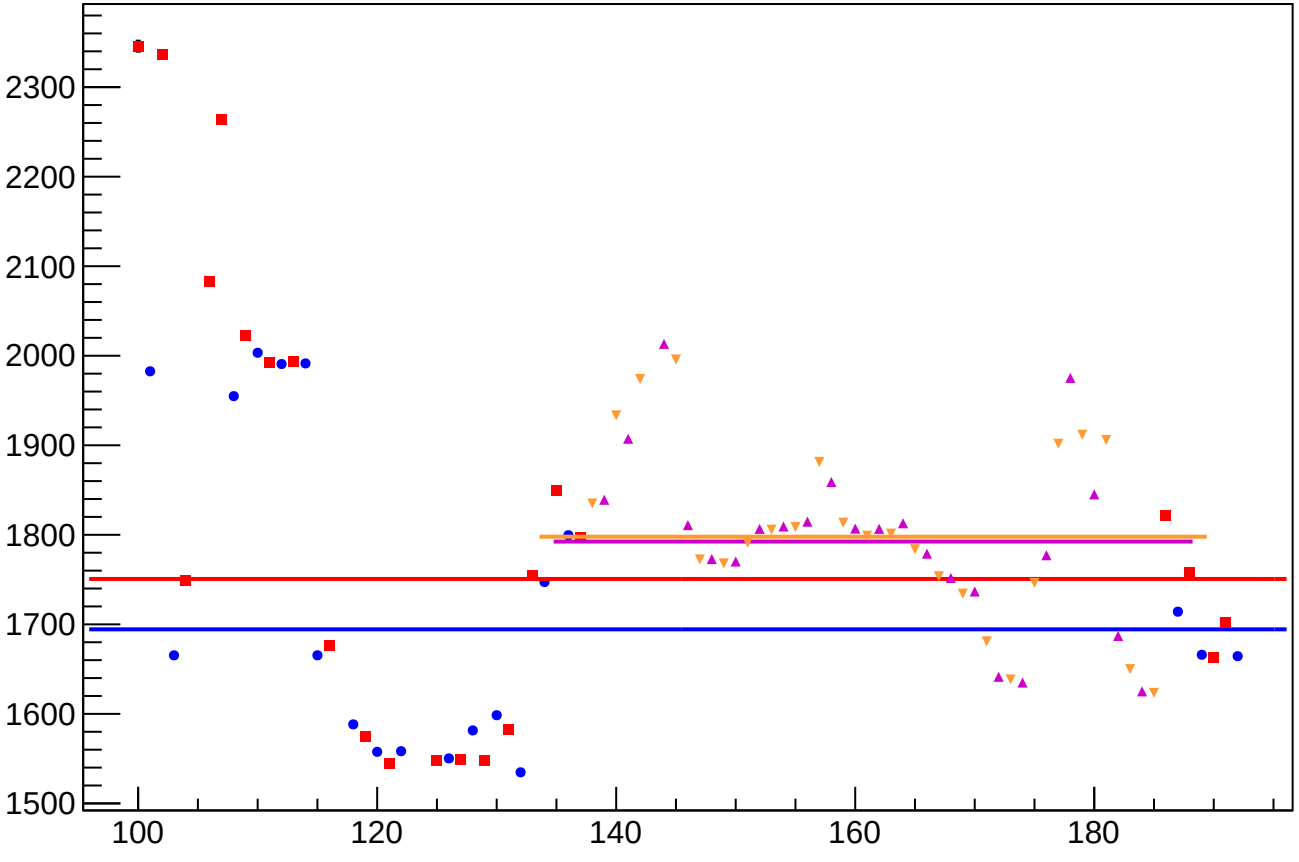
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1079.481+/-337.163 χ^2/NDF: 47.2/42

All: -435.251+/-239.601 χ^2/NDF: 138.9/87

- sign -1980.626+/-340.556 χ^2/NDF: 50.9/44

dit_asym_atl_avg_rms vs Slug



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

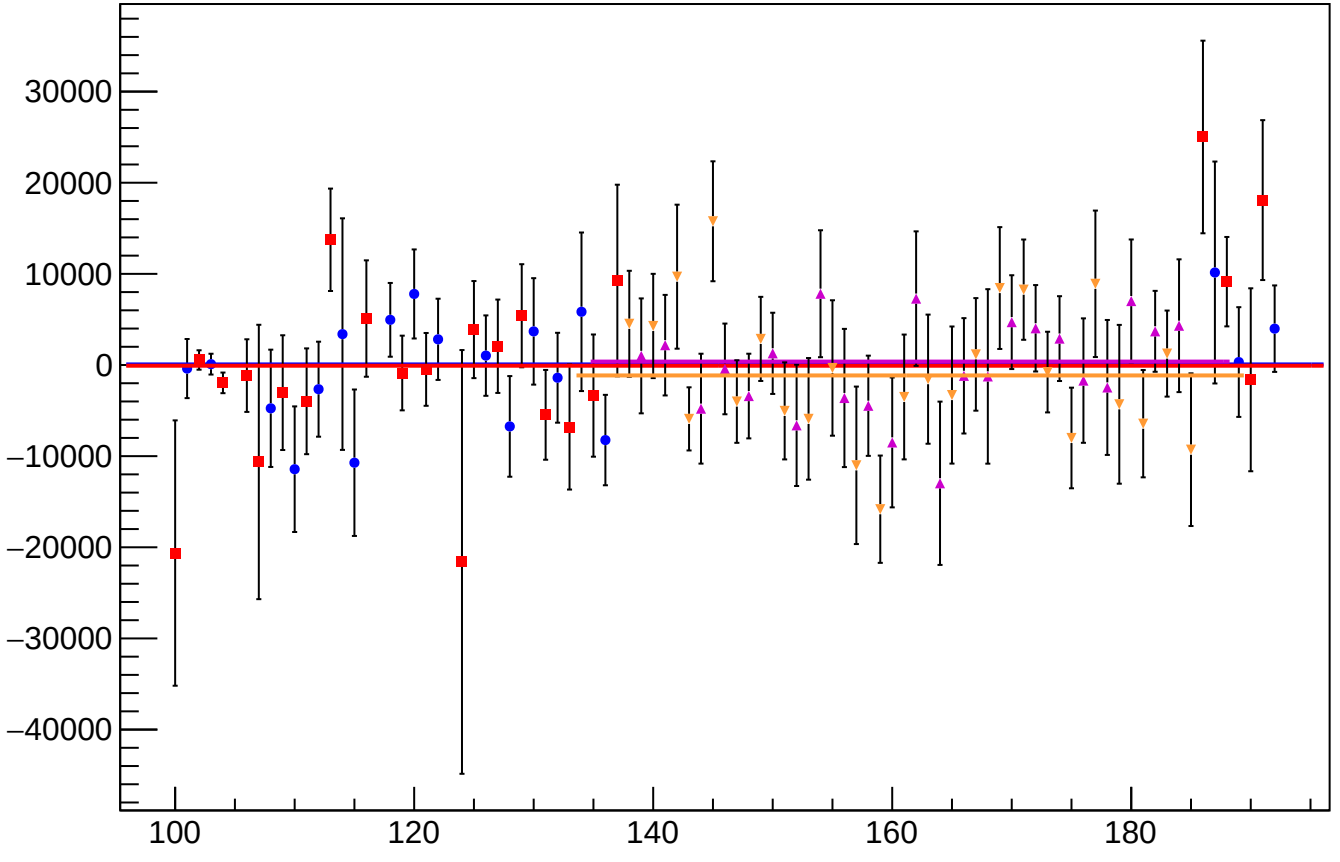
Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1761.735+/-0.238 χ^2/NDF: 277426.0/42

All: 1769.900+/-0.169 χ^2/NDF: 630941.4/87

- sign 1778.221+/-0.241 χ^2/NDF: 351147.1/44

asym_atl_avg_dit_correction_mean vs Slug



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

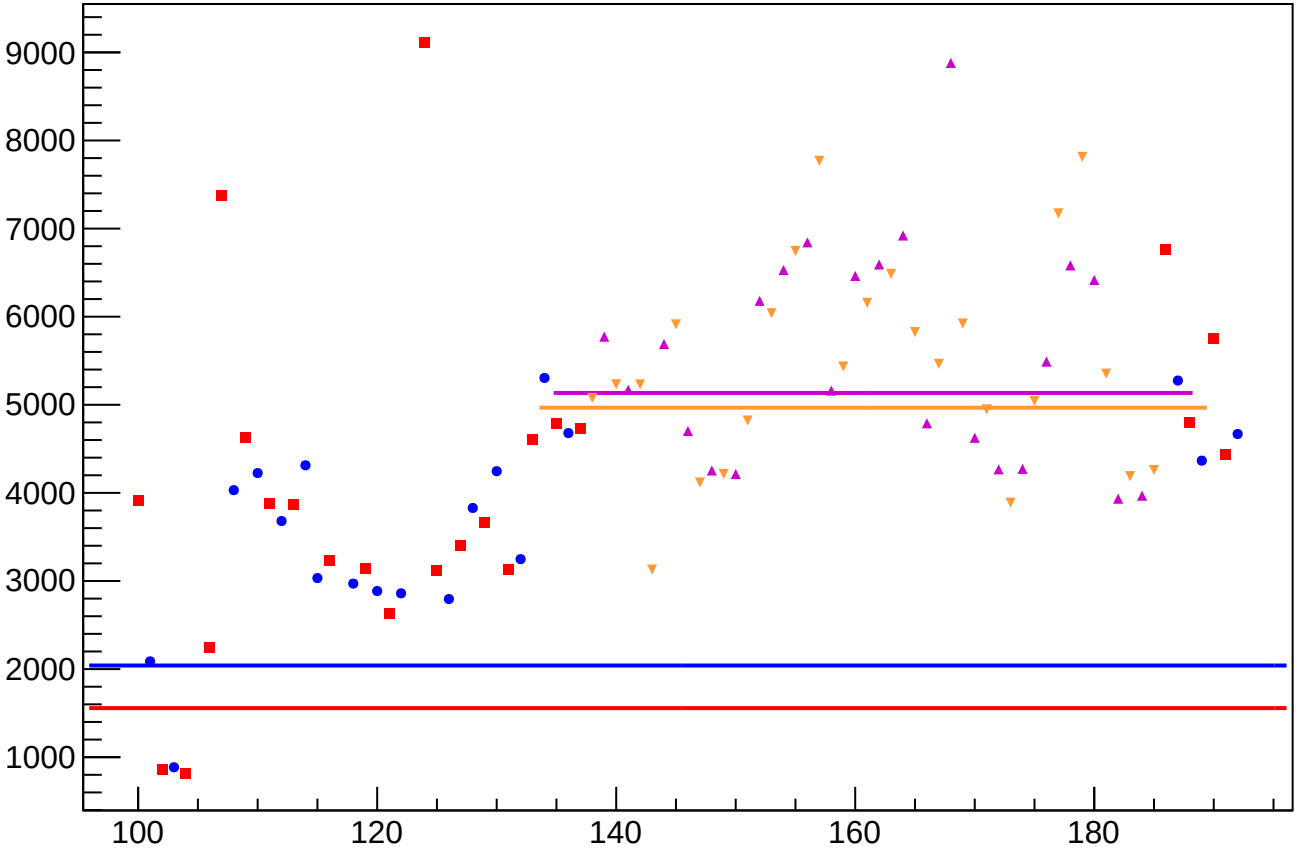
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

\+ sign -352.506+/-682.849 χ^2/NDF: 49.8/43

All: -134.805+/-445.062 χ^2/NDF: 95.6/89

\- sign 25.978+/-586.833 χ^2/NDF: 45.7/45

asym_atl_avg_dit_correction_rms vs Slug



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

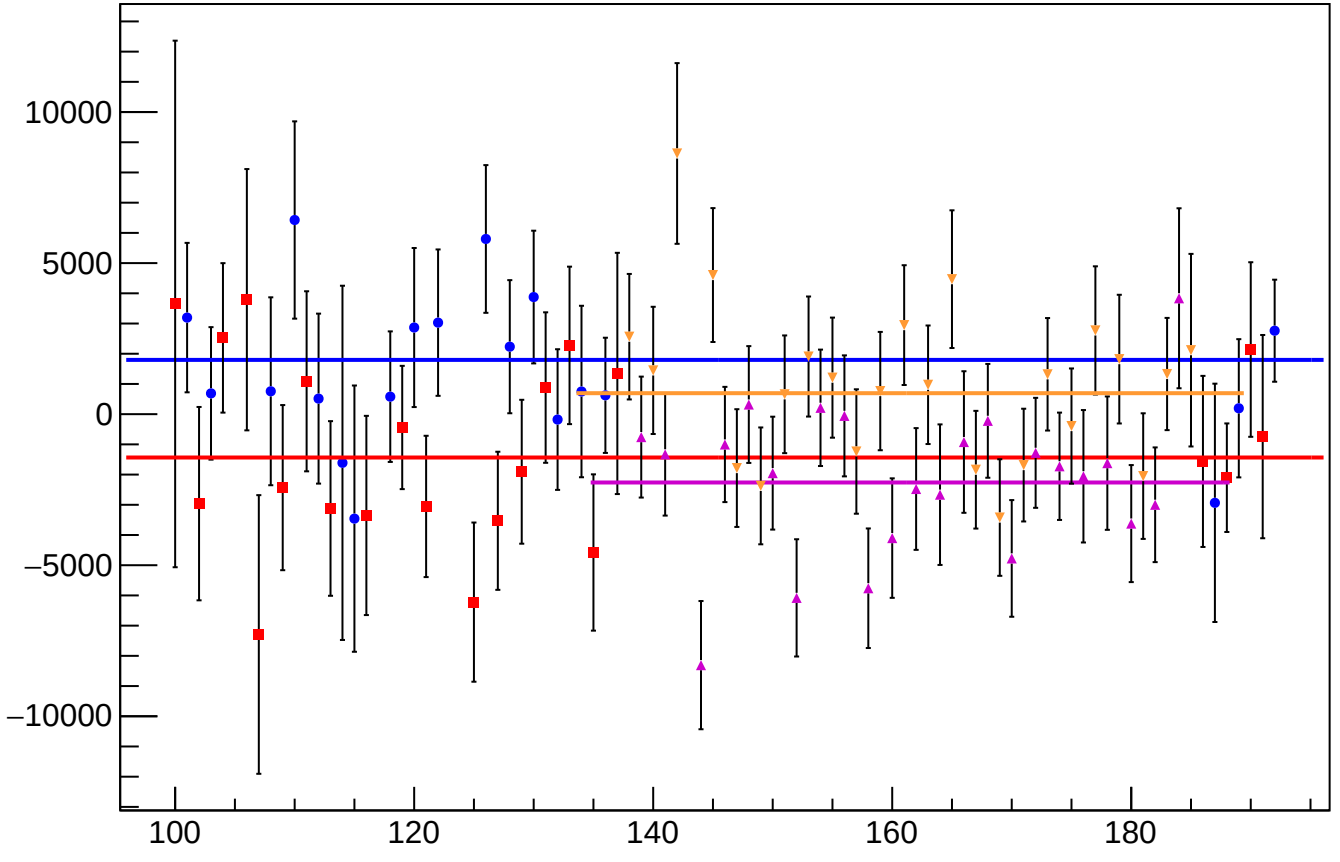
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3046.899+/-0.483 χ^2/NDF: 15745604.6/43

All: 2659.433+/-0.315 χ^2/NDF: 39390249.4/8

- sign 2373.270+/-0.415 χ^2/NDF: 22525116.3/45

eigen_dit_asym_atl_avg_mean vs Slug



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

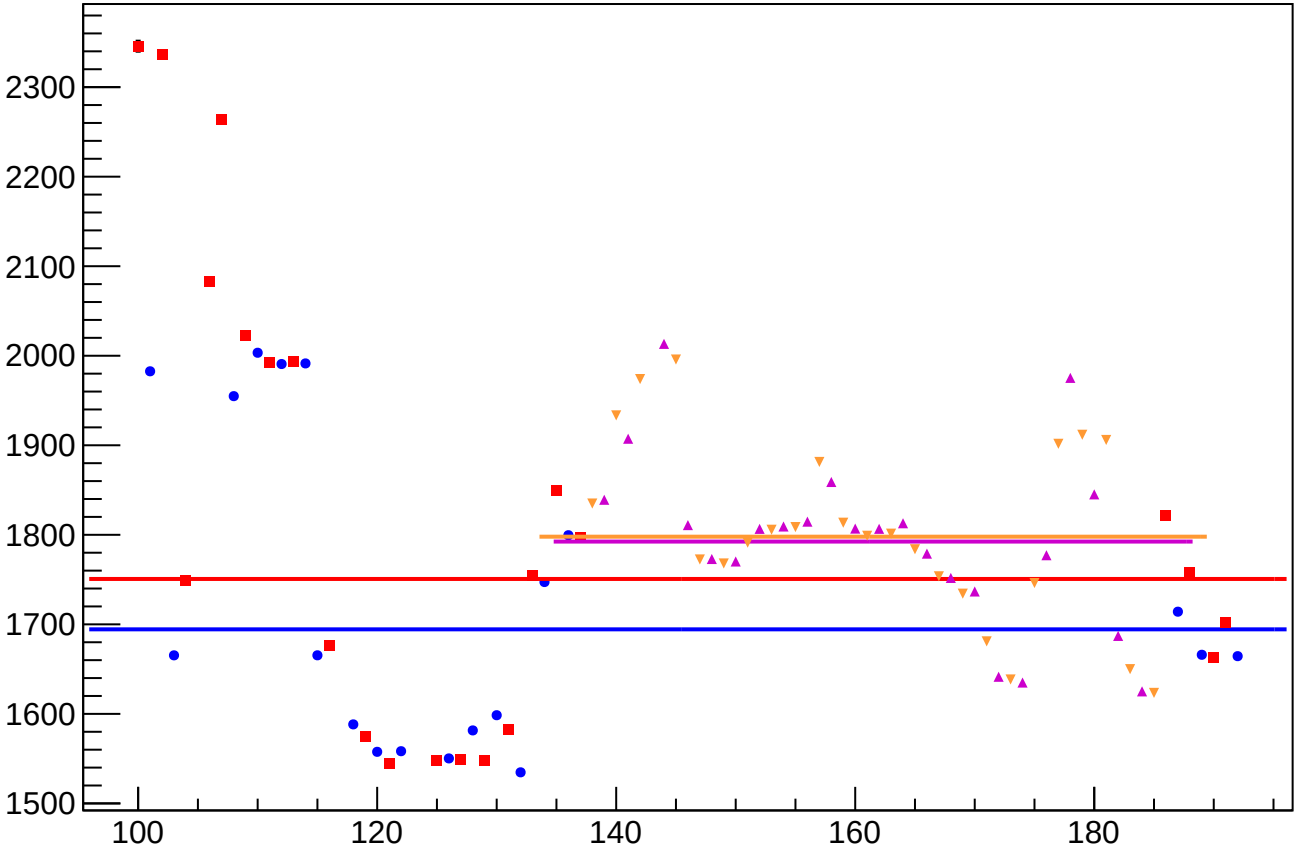
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1079.478+/-337.163 χ^2/NDF: 47.2/42

All: -435.252+/-239.601 χ^2/NDF: 138.9/87

- sign -1980.625+/-340.556 χ^2/NDF: 50.9/44

eigen_dit_asym_atl_avg_rms vs Slug



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

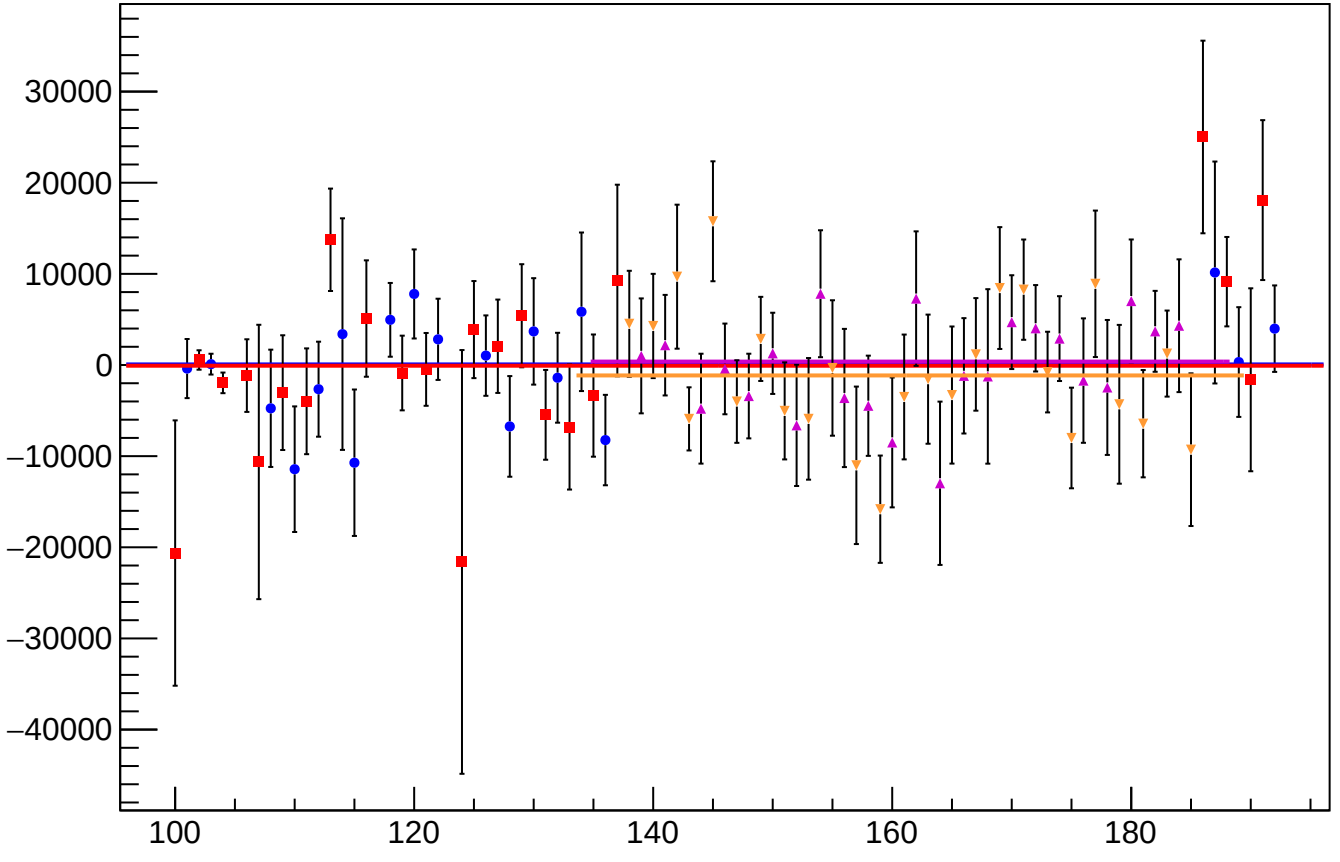
Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1761.736+/-0.238 χ^2/NDF: 277430.9/42

All: 1769.901+/-0.169 χ^2/NDF: 630949.6/87

- sign 1778.222+/-0.241 χ^2/NDF: 351150.4/44

asym_atl_avg_eigen_dit_correction_mean vs Slug



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

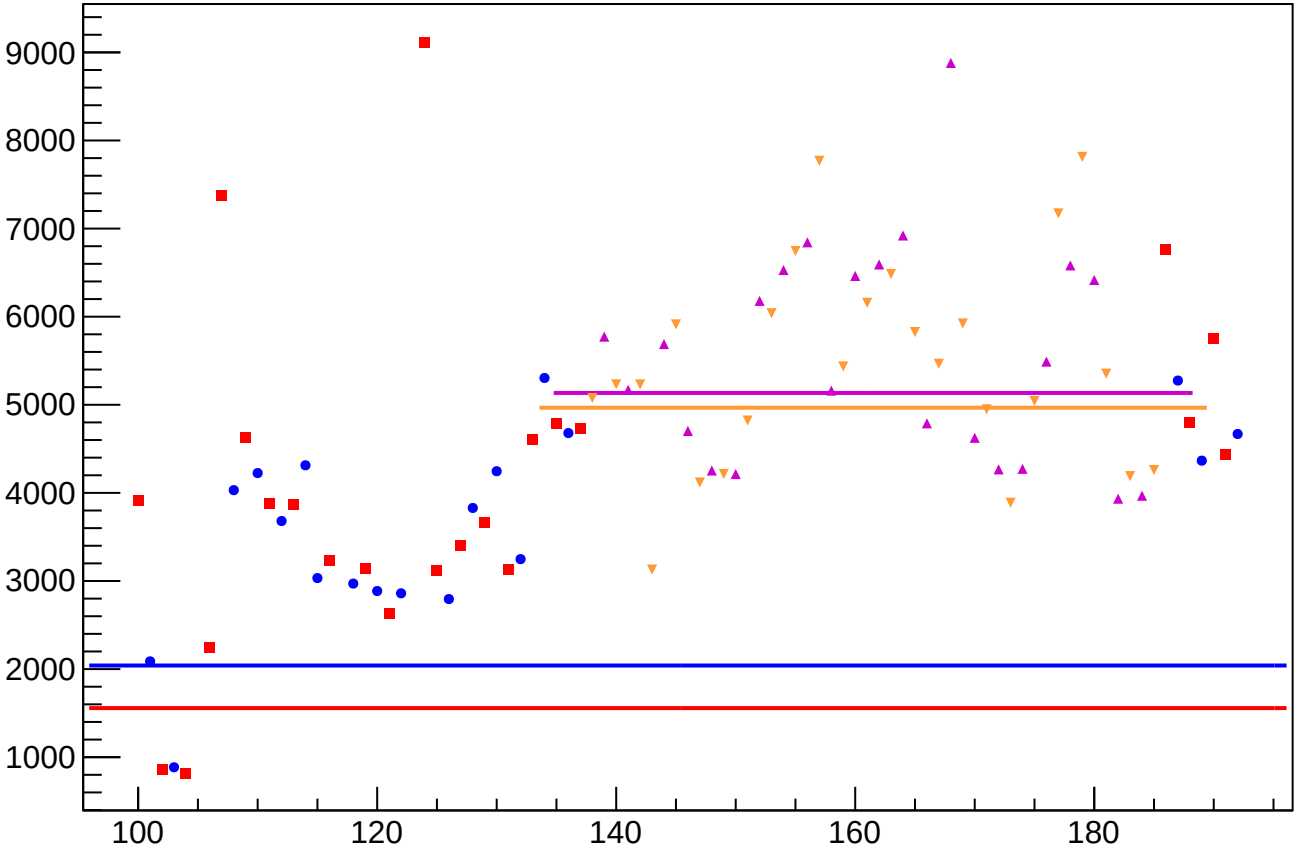
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

\+ sign -352.503+/-682.846 χ^2/NDF: 49.8/43

All: -134.806+/-445.060 χ^2/NDF: 95.6/89

\- sign 25.974+/-586.830 χ^2/NDF: 45.7/45

asym_atl_avg_eigen_dit_correction_rms vs Slug



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

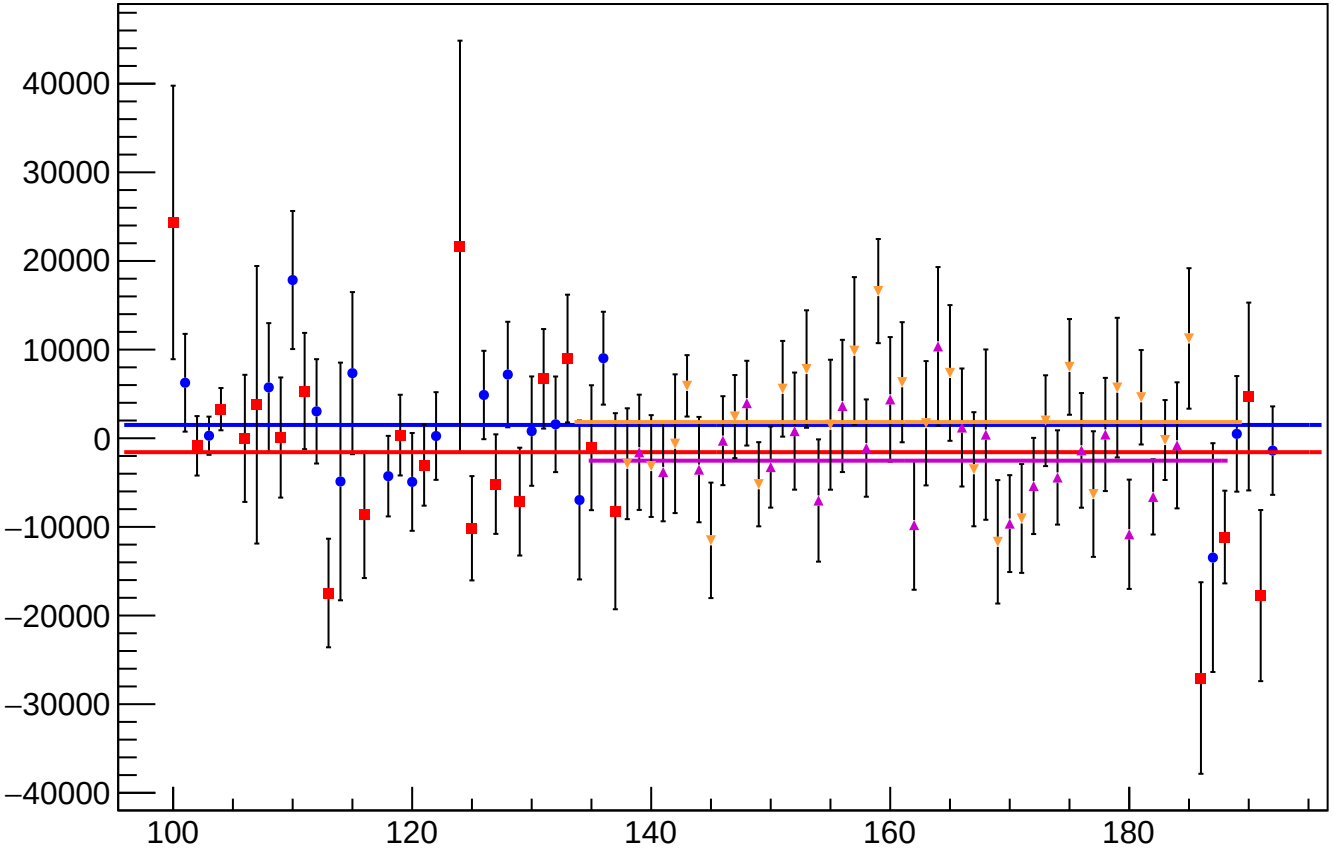
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3046.880+/-0.483 χ^2/NDF: 15745823.0/43

All: 2659.413+/-0.315 χ^2/NDF: 39390714.4/8

- sign 2373.249+/-0.415 χ^2/NDF: 22525347.9/45

asym_atl_avg_mean vs Slug



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

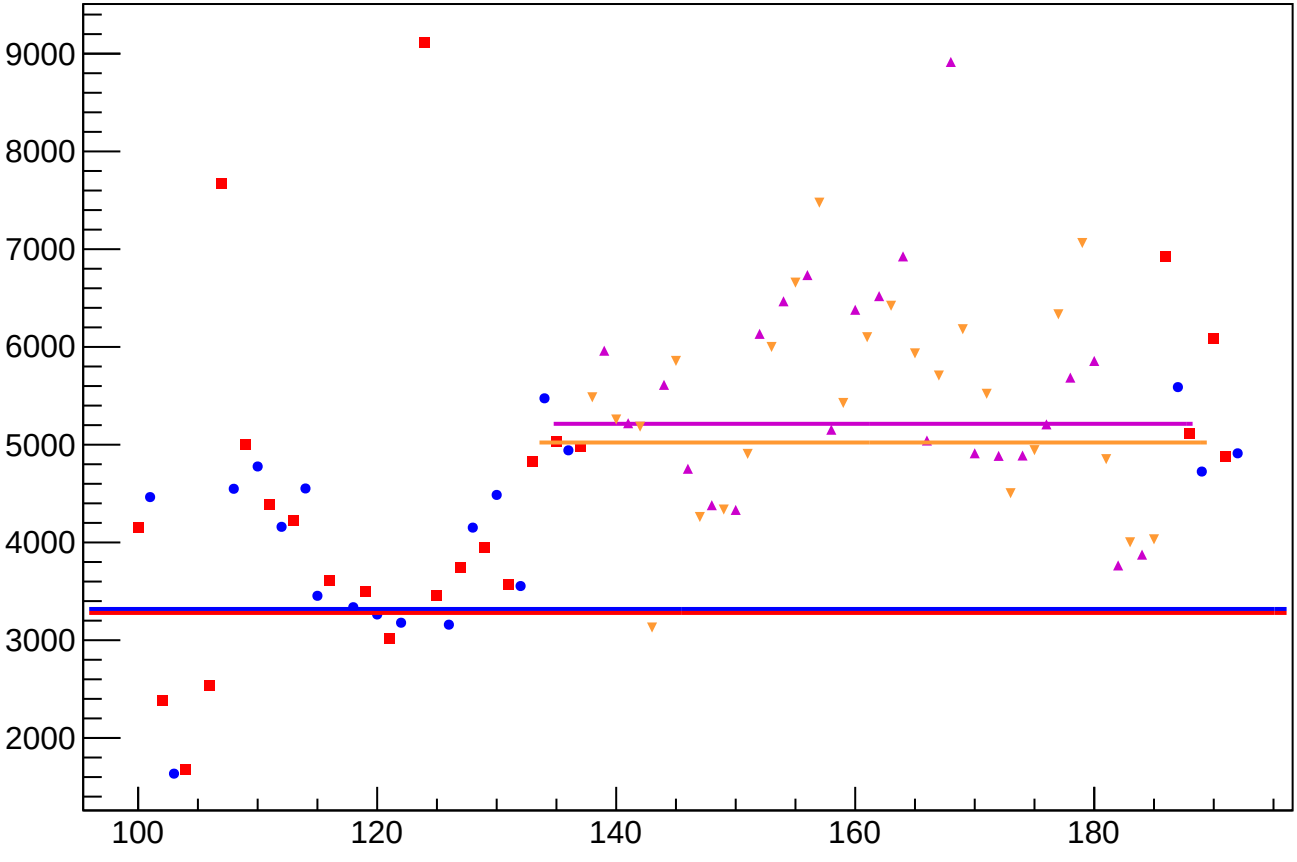
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1667.155+/-836.877 χ^2/NDF: 46.7/43

All: -136.070+/-598.725 χ^2/NDF: 107.2/89

- sign -2026.744+/-856.929 χ^2/NDF: 51.0/45

asym_atl_avg_rms vs Slug



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

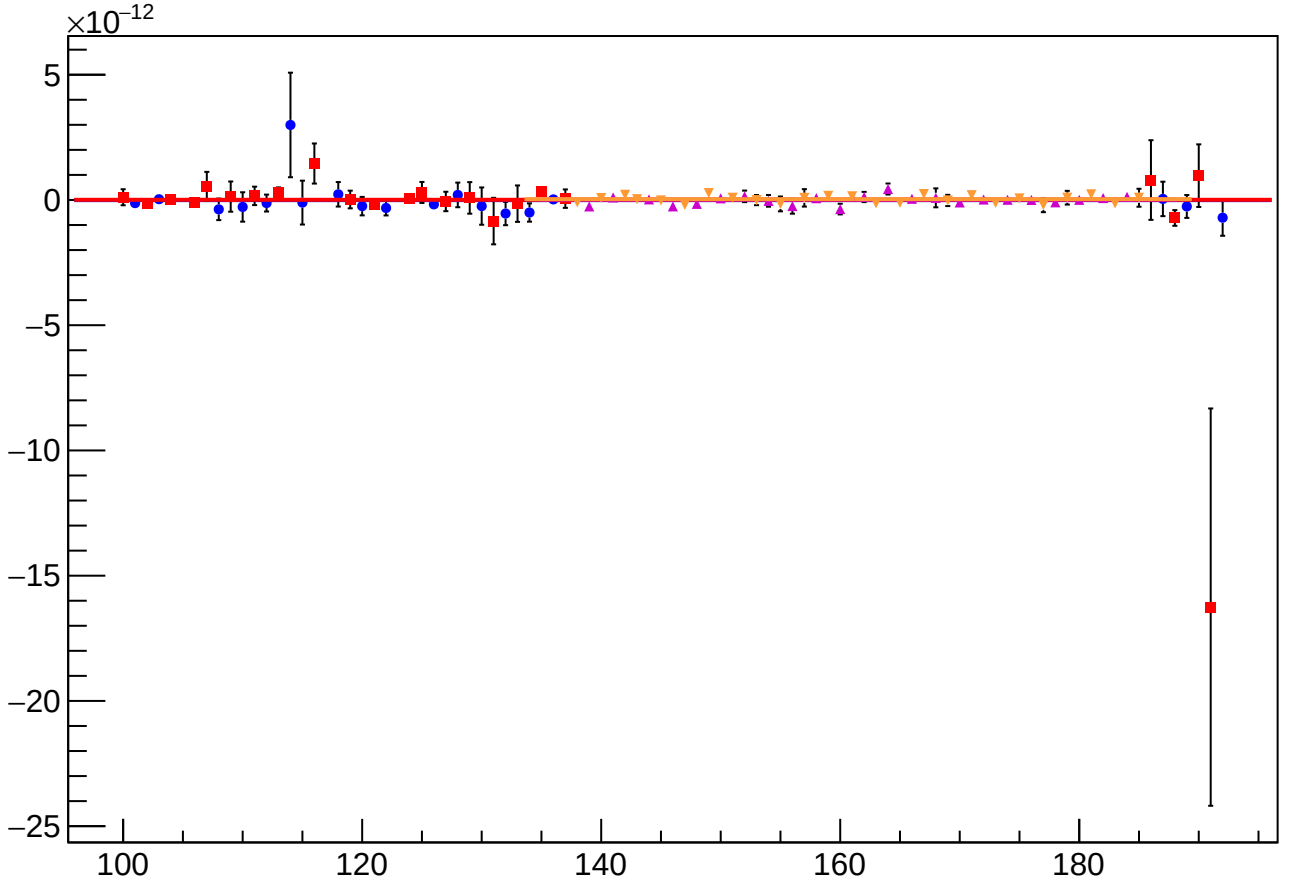
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4187.122+/-0.592 χ^2/NDF: 6026414.9/43

All: 4186.646+/-0.422 χ^2/NDF: 12436949.1/8

- sign 4186.153+/-0.601 χ^2/NDF: 6410532.8/45

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

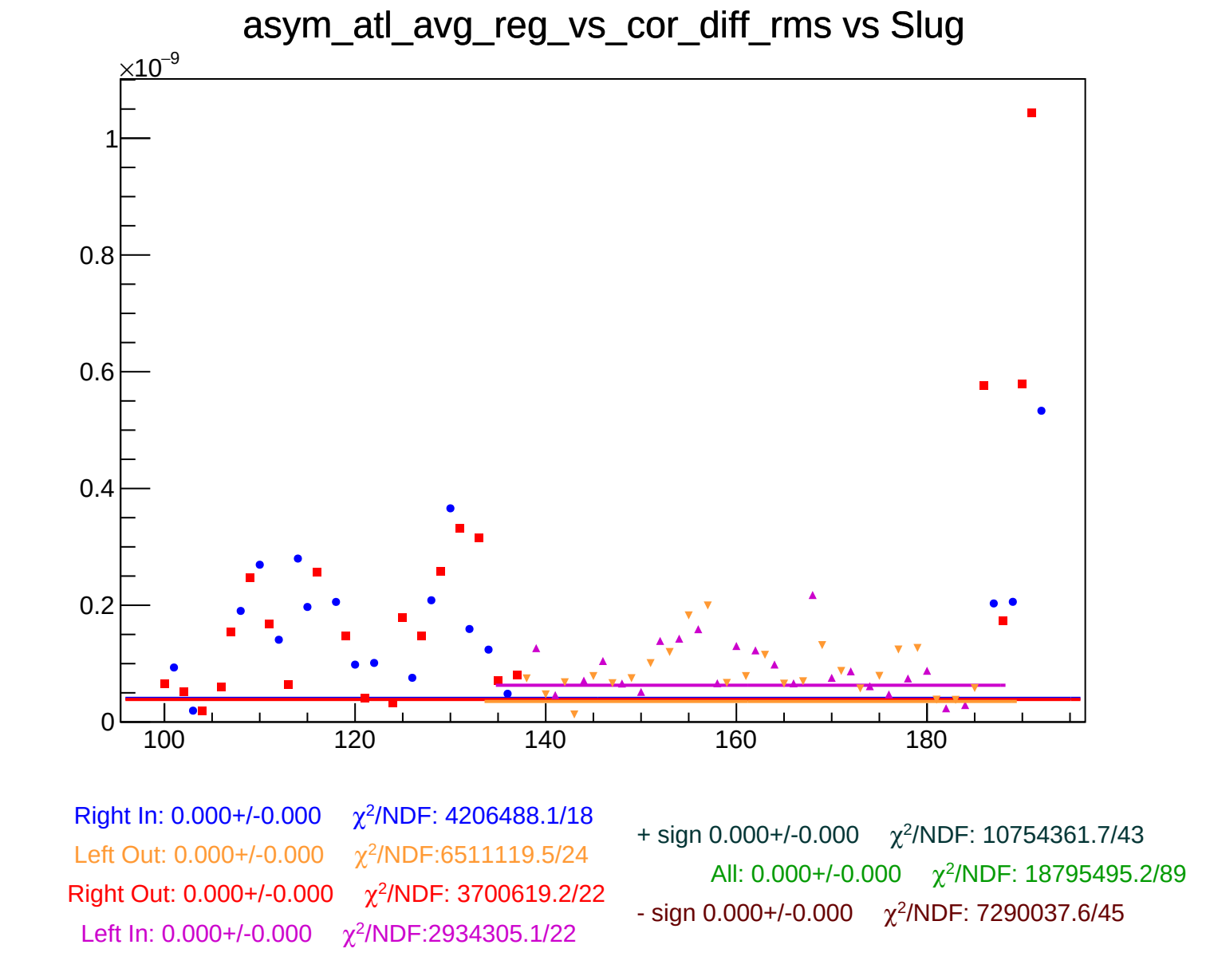
Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/22

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

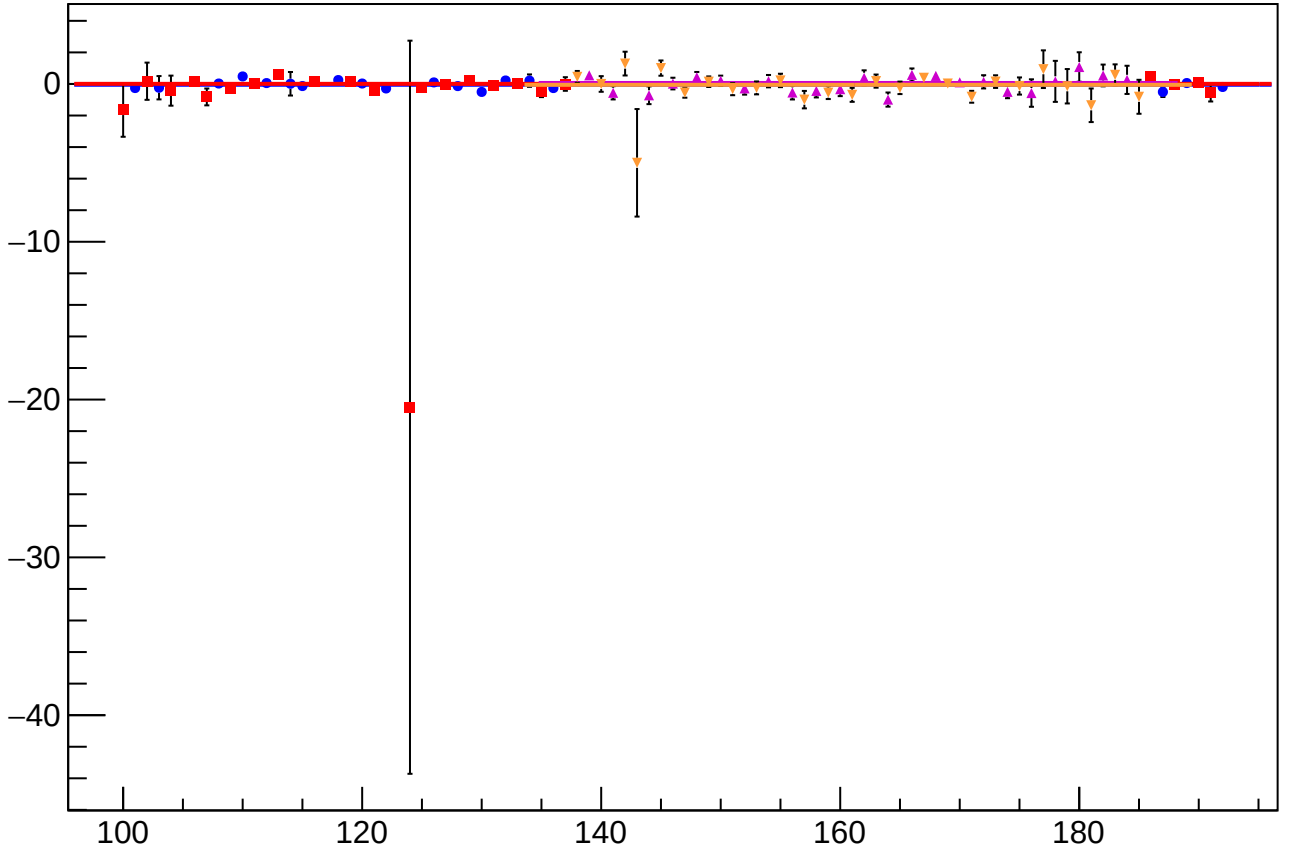
+ sign 0.000+/-0.000 χ^2/NDF: 37.9/43

All: 0.000+/-0.000 χ^2/NDF: 82.7/89

- sign 0.000+/-0.000 χ^2/NDF: 44.6/45


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×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: 4206488.1/18
Left Out: 0.000+/-0.000 χ²/NDF:6511119.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3700619.2/22
Left In: 0.000+/-0.000 χ²/NDF:2934305.1/22
+ sign 0.000+/-0.000 χ²/NDF: 10754361.7/43
All: 0.000+/-0.000 χ²/NDF: 18795495.2/89
- sign 0.000+/-0.000 χ²/NDF: 7290037.6/45

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



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

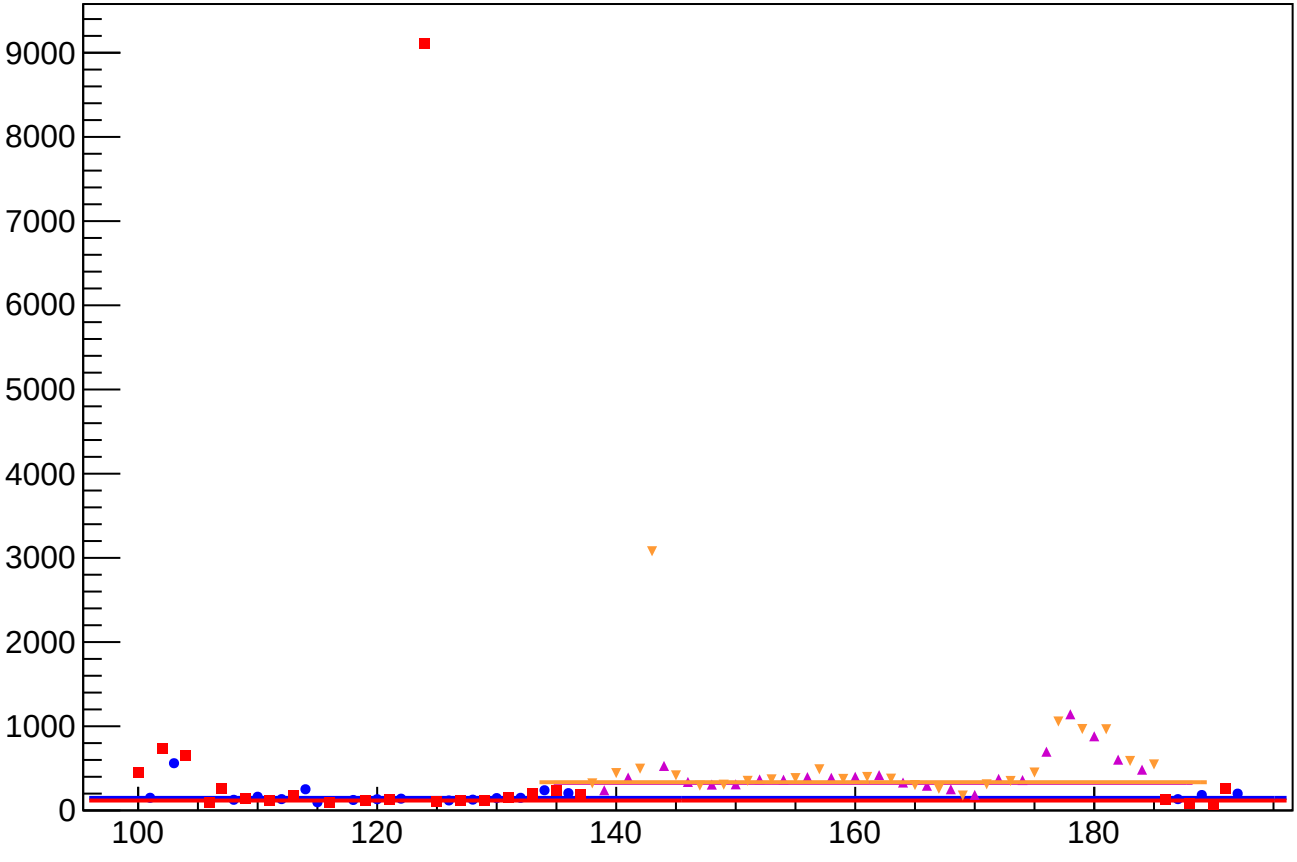
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.051+/-0.045 χ^2/NDF: 53.1/43

All: -0.011+/-0.030 χ^2/NDF: 110.6/89

- sign 0.020+/-0.040 χ^2/NDF: 56.1/45

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



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

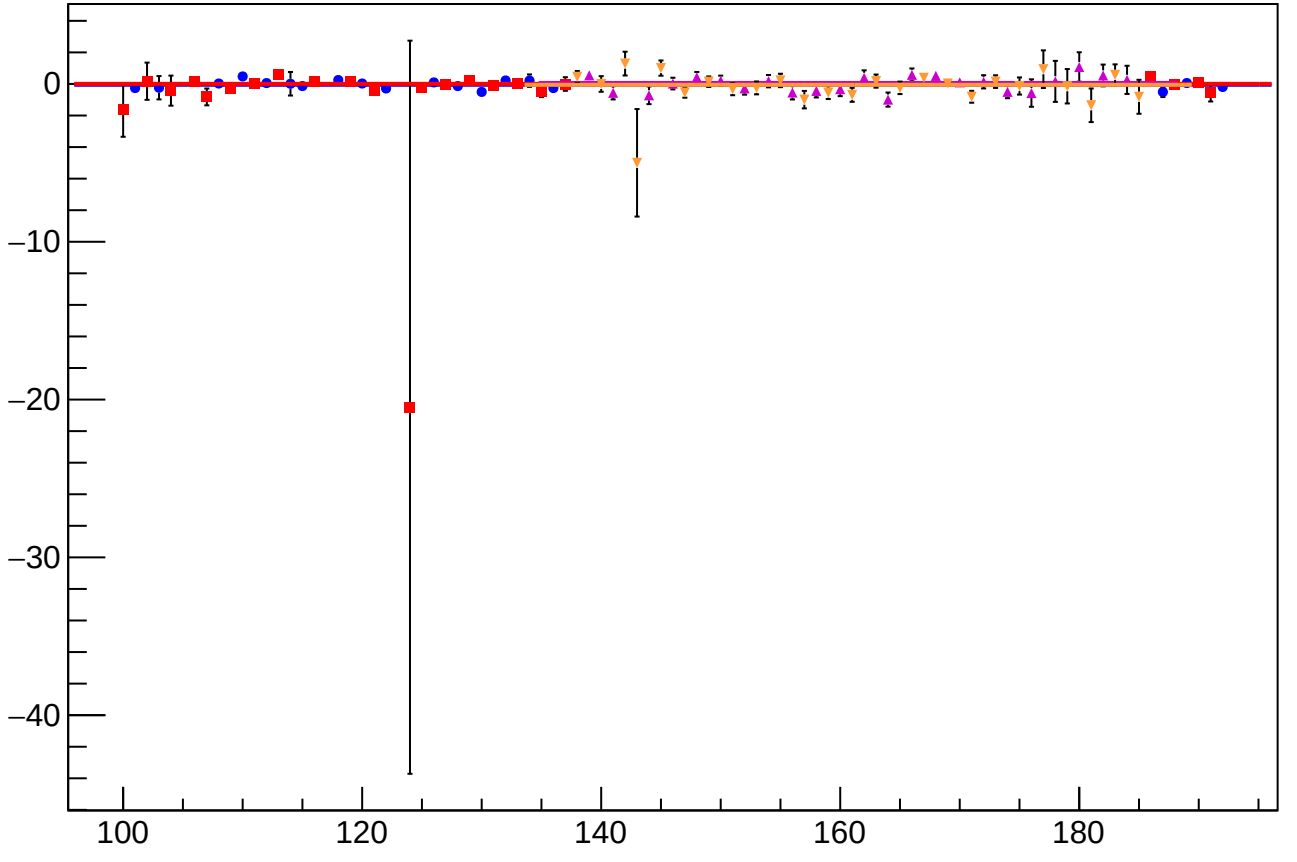
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 202.828+/-0.032 χ^2/NDF: 14023321.8/43

All: 181.774+/-0.021 χ^2/NDF: 31767078.6/89

- sign 165.828+/-0.028 χ^2/NDF: 16988492.5/45

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



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

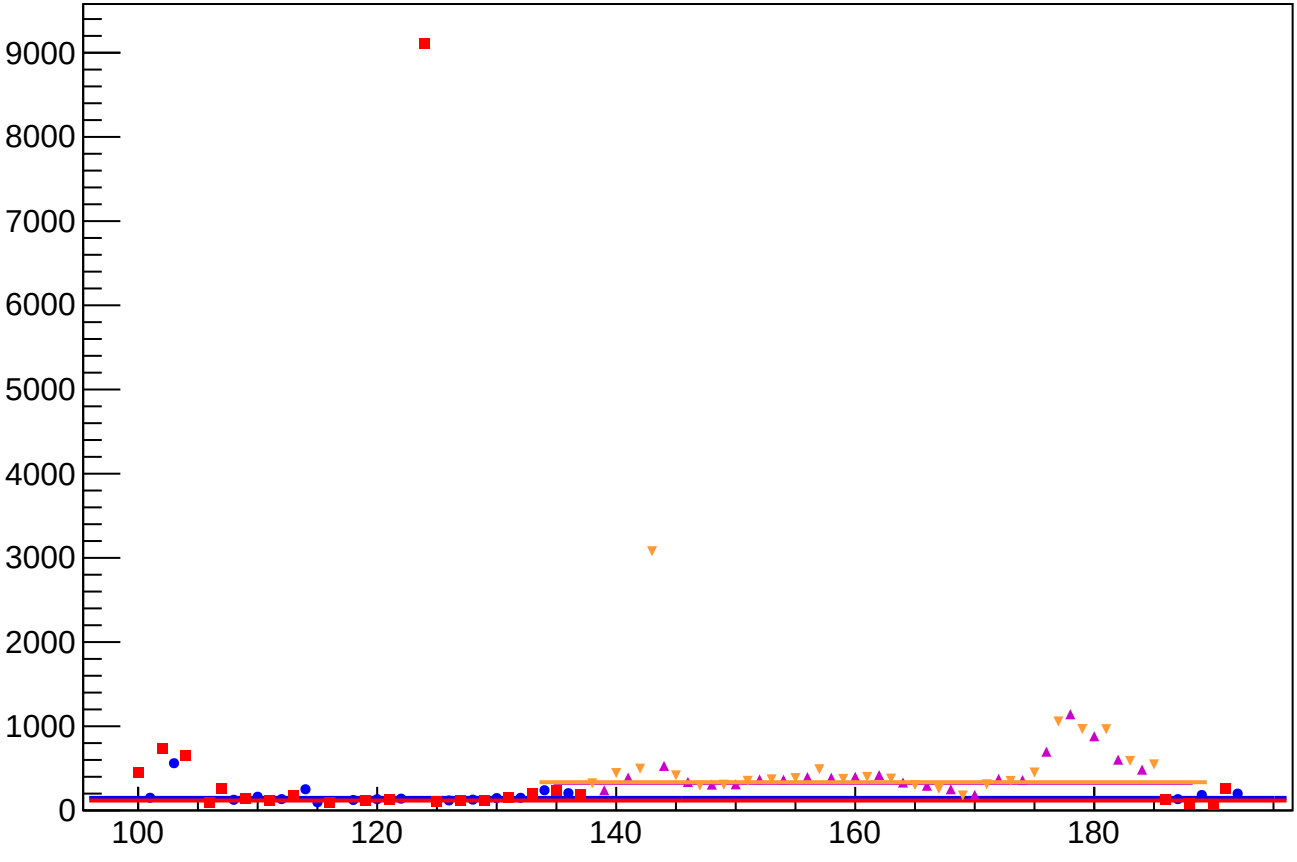
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.051+/-0.045 χ^2/NDF: 53.1/43

All: -0.011+/-0.030 χ^2/NDF: 110.6/89

- sign 0.020+/-0.040 χ^2/NDF: 56.1/45

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 149.258+/-0.038 χ^2/NDF: 1297856.5/18

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

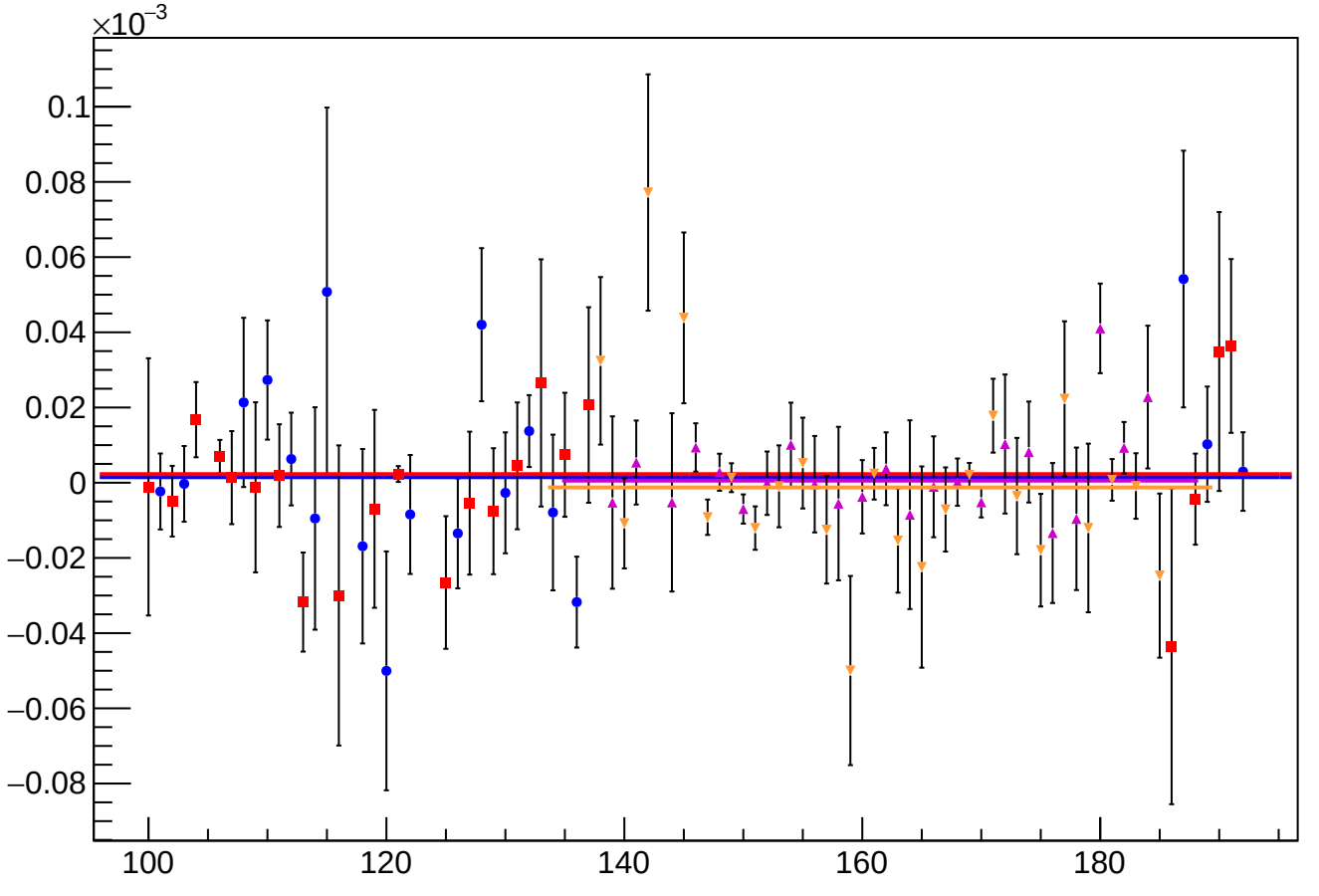
Right Out: 118.000+/-0.032 χ^2/NDF: 2932321.5/22

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 202.828+/-0.032 χ^2/NDF: 14023321.8/43

All: 181.774+/-0.021 χ^2/NDF: 31767078.6/89

- sign 165.828+/-0.028 χ^2/NDF: 16988492.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

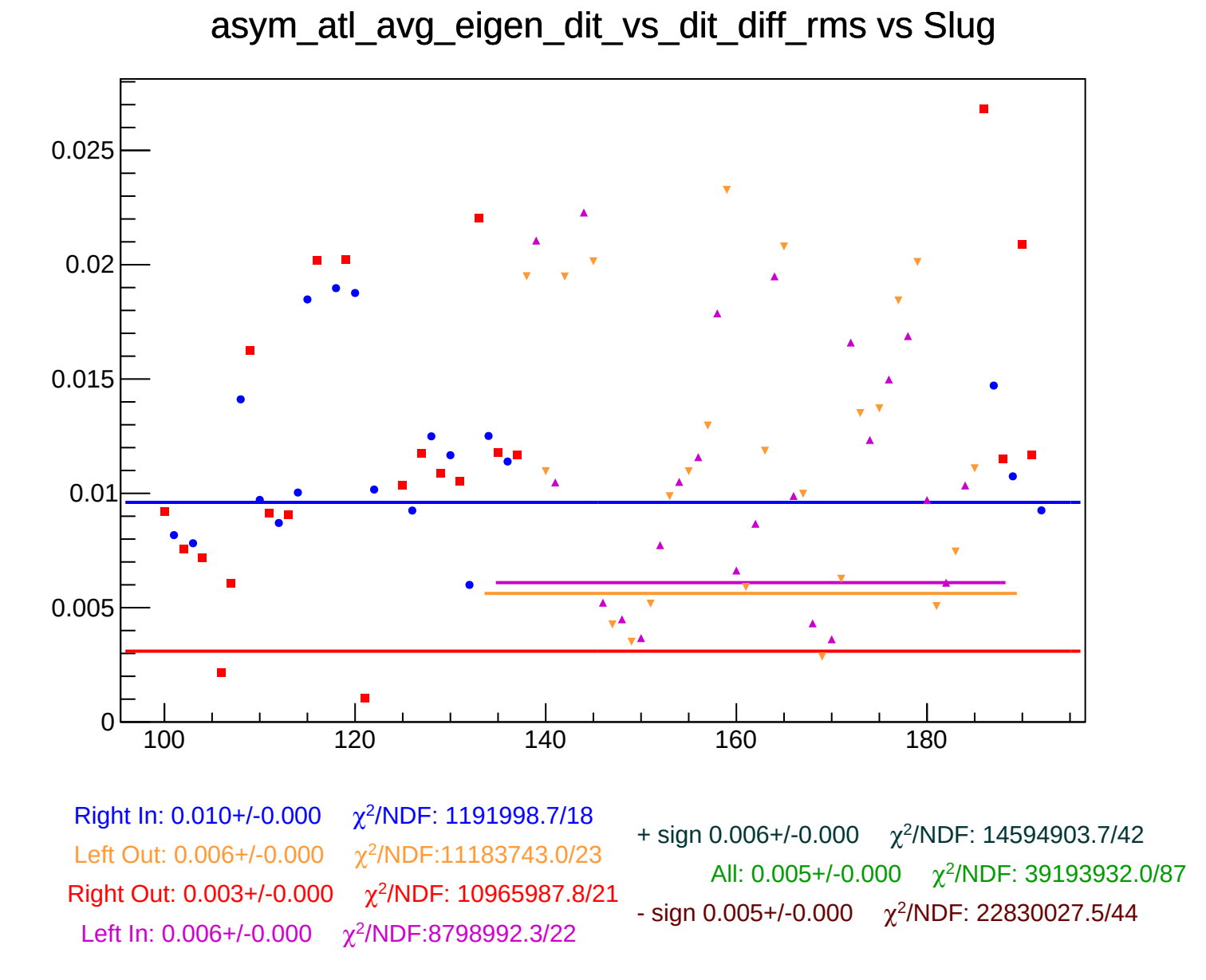
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/21

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

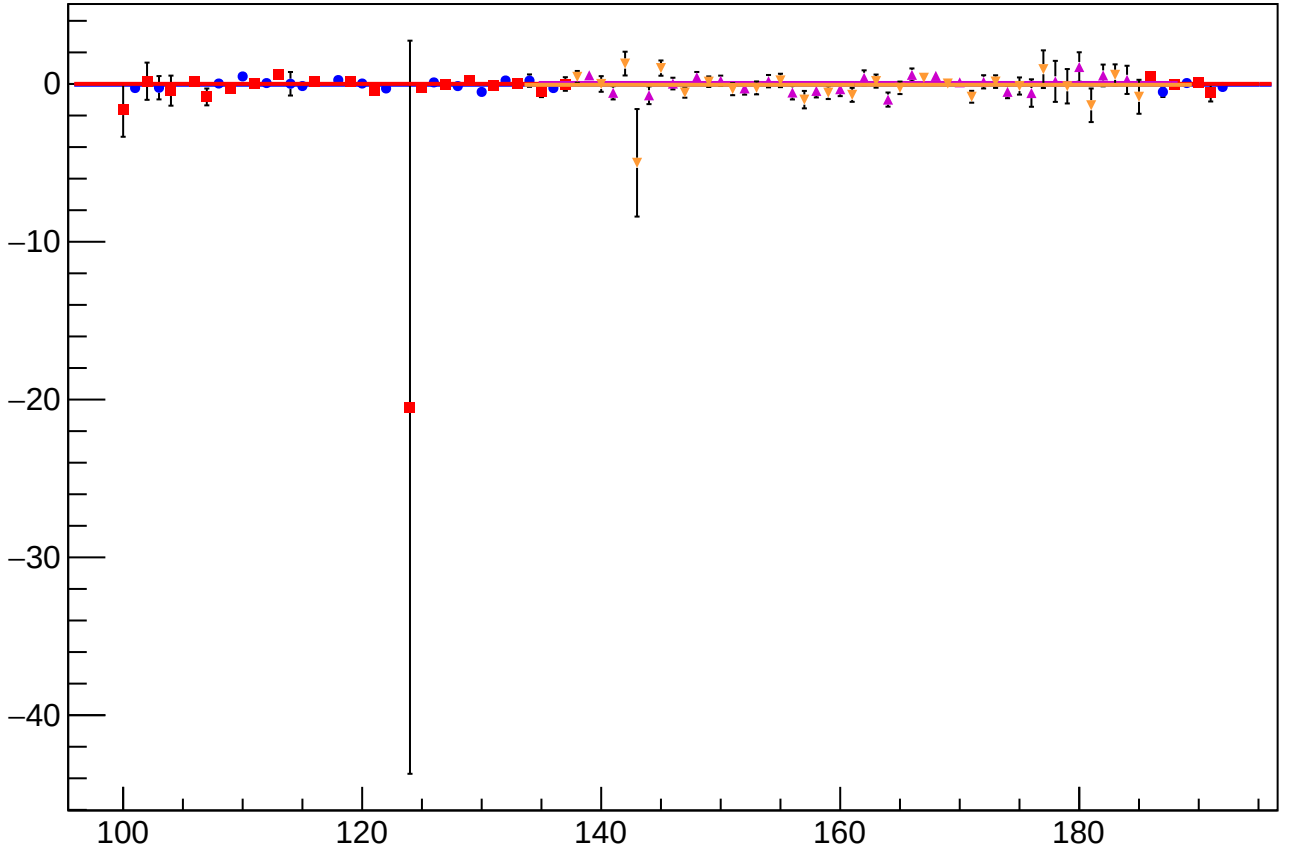
+ sign -0.000+/-0.000 χ^2/NDF: 61.9/42

All: 0.000+/-0.000 χ^2/NDF: 109.2/87

- sign 0.000+/-0.000 χ^2/NDF: 46.0/44


asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
Right In: 0.010+/-0.000 χ²/NDF: 1191998.7/18
Left Out: 0.006+/-0.000 χ²/NDF:11183743.0/23
Right Out: 0.003+/-0.000 χ²/NDF: 10965987.8/21
Left In: 0.006+/-0.000 χ²/NDF:8798992.3/22
+ sign 0.006+/-0.000 χ²/NDF: 14594903.7/42
All: 0.005+/-0.000 χ²/NDF: 39193932.0/87
- sign 0.005+/-0.000 χ²/NDF: 22830027.5/44

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



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

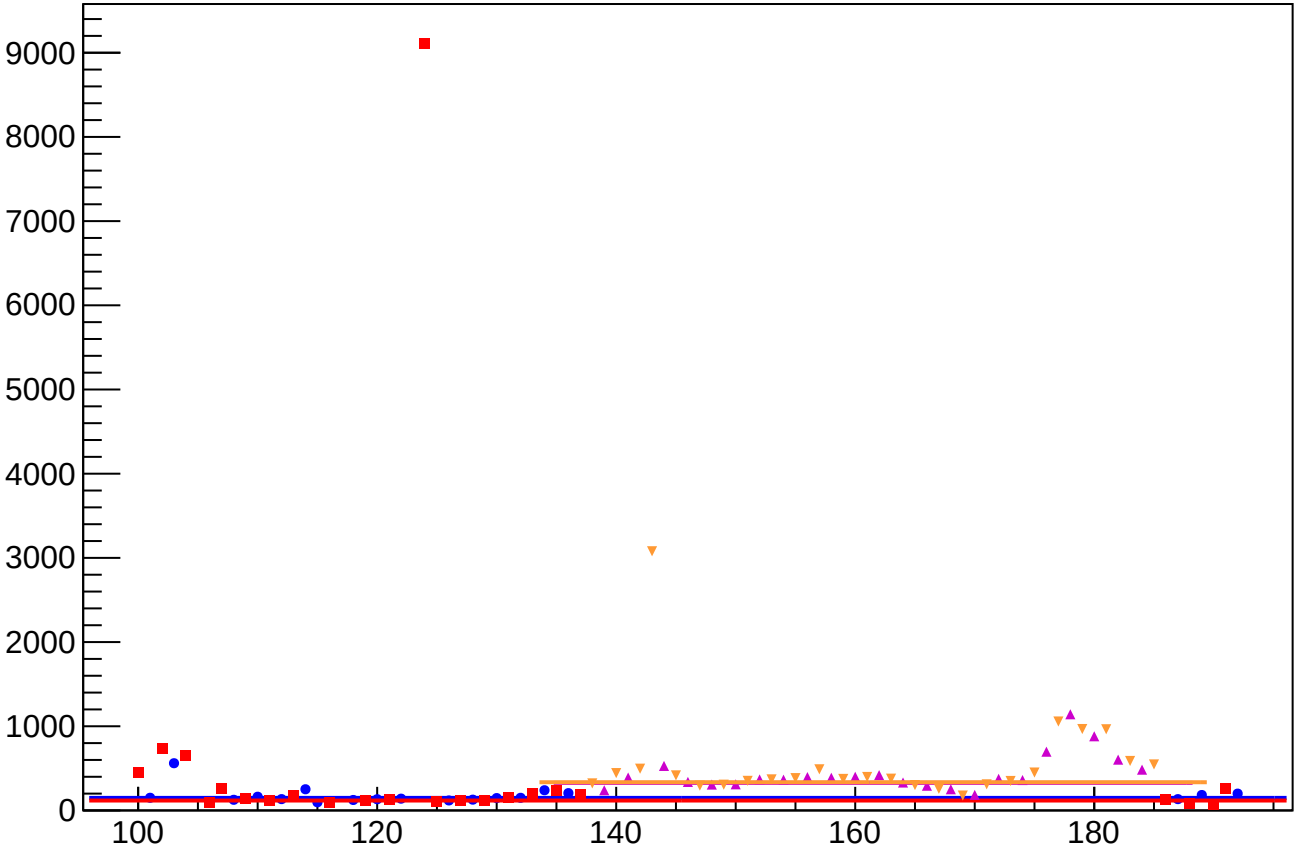
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.051+/-0.045 χ^2/NDF: 53.1/43

All: -0.011+/-0.030 χ^2/NDF: 110.6/89

- sign 0.020+/-0.040 χ^2/NDF: 56.1/45

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 149.257+/-0.038 χ^2/NDF: 1297878.5/18

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

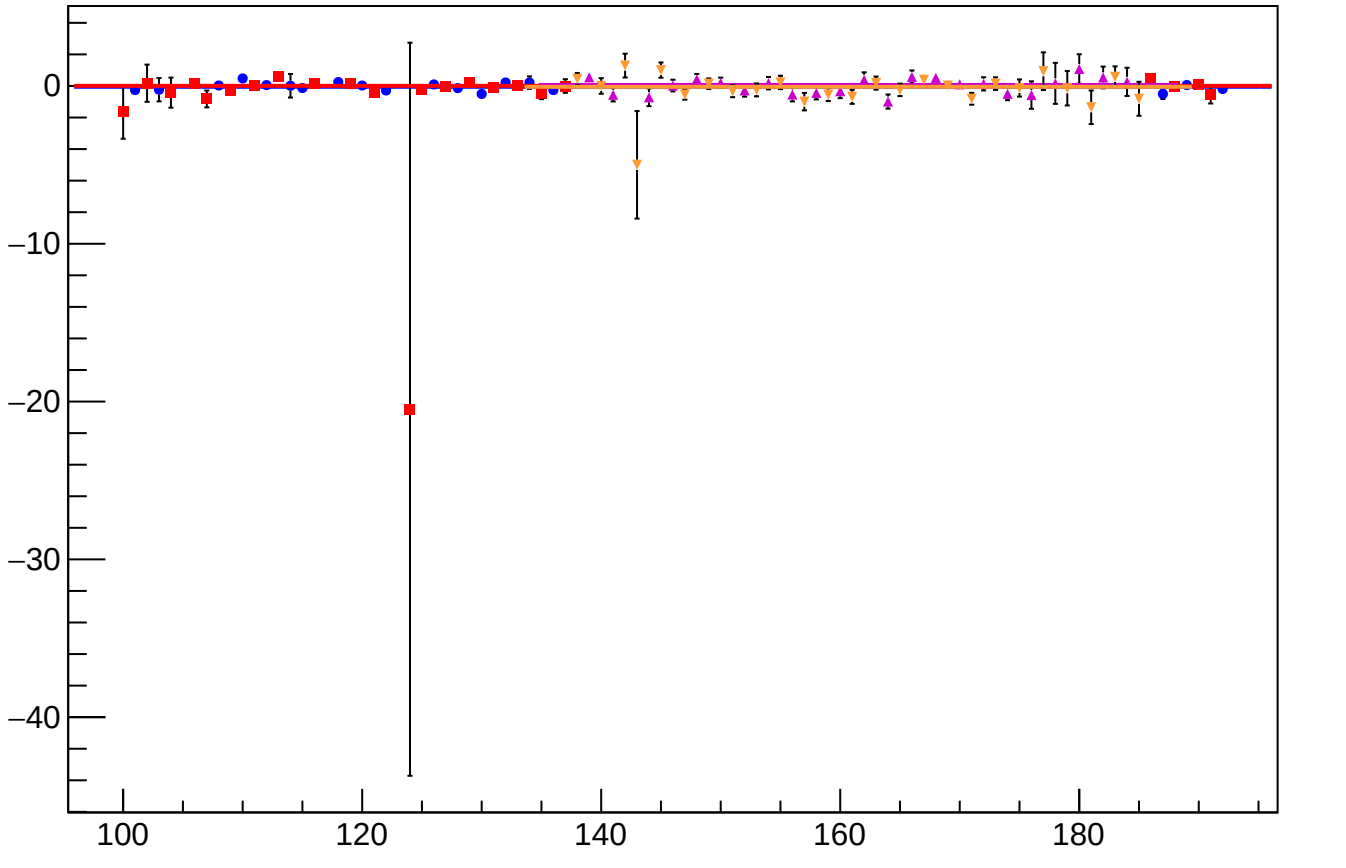
Right Out: 117.997+/-0.032 χ^2/NDF: 2932284.1/22

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 202.827+/-0.032 χ^2/NDF: 14023610.4/43

All: 181.772+/-0.021 χ^2/NDF: 31767824.8/89

- sign 165.825+/-0.028 χ^2/NDF: 16988875.4/45



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

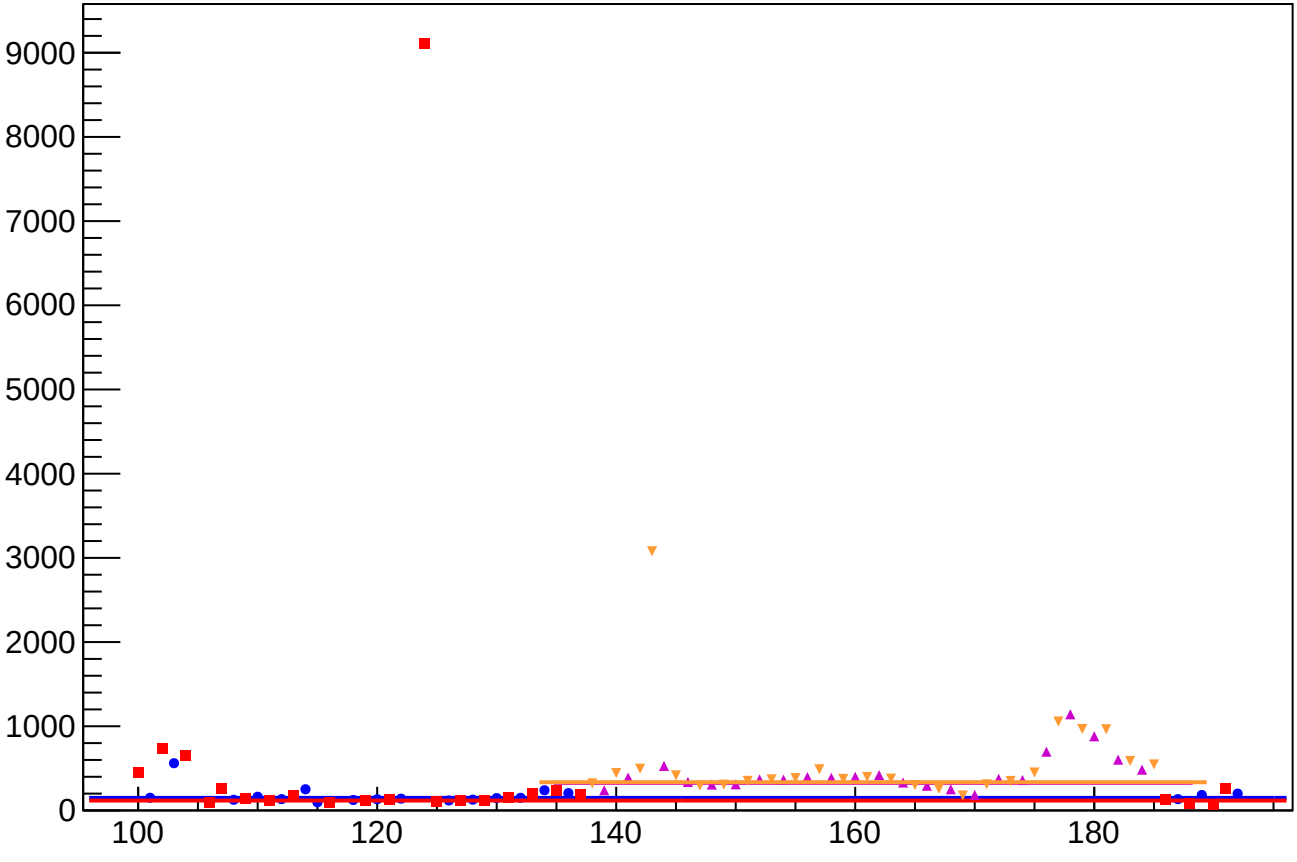
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.051+/-0.045 χ^2/NDF: 53.1/43

All: -0.011+/-0.030 χ^2/NDF: 110.6/89

- sign 0.020+/-0.040 χ^2/NDF: 56.1/45

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 149.257+/-0.038 χ^2/NDF: 1297878.5/18

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

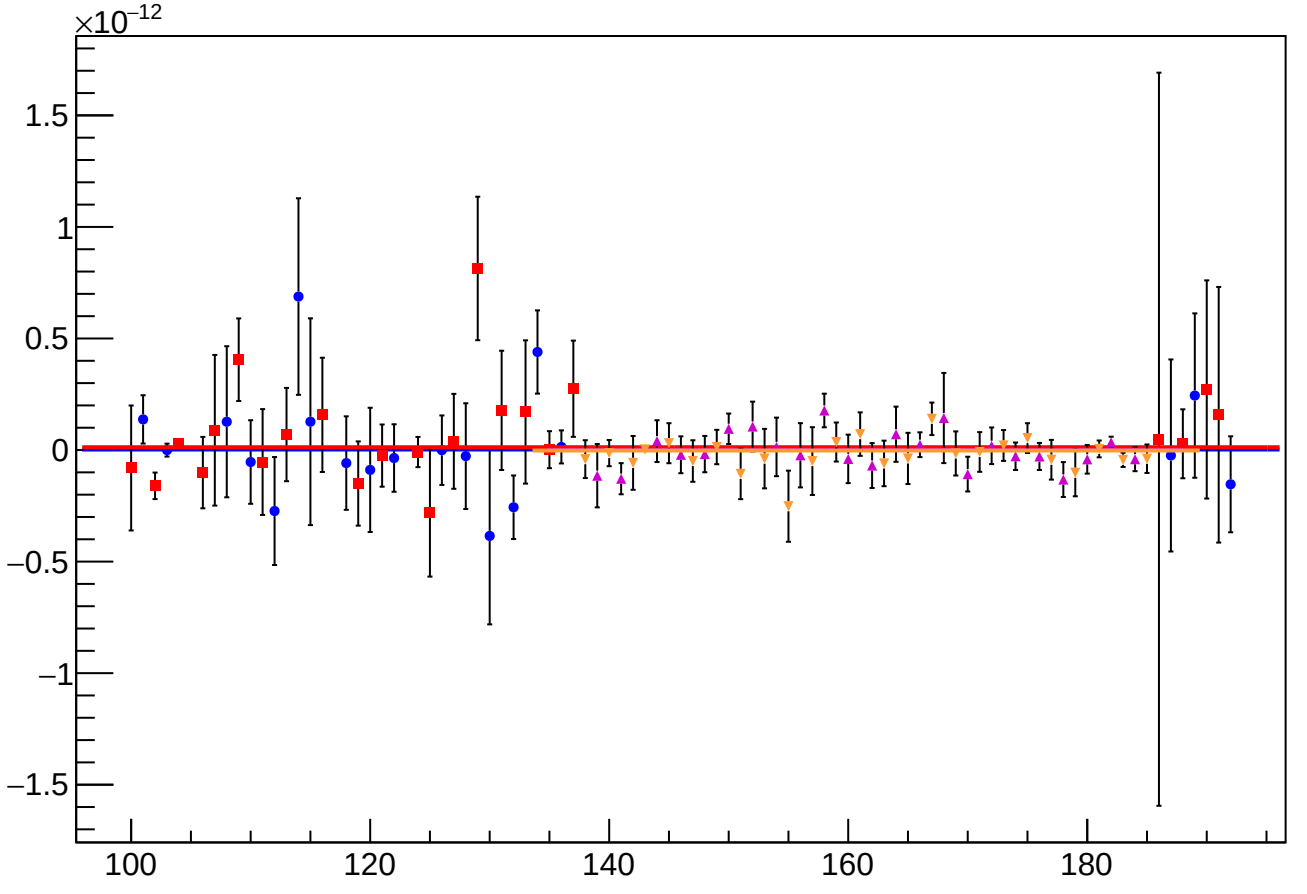
Right Out: 117.997+/-0.032 χ^2/NDF: 2932284.1/22

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 202.827+/-0.032 χ^2/NDF: 14023610.4/43

All: 181.772+/-0.021 χ^2/NDF: 31767824.8/89

- sign 165.825+/-0.028 χ^2/NDF: 16988875.4/45



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

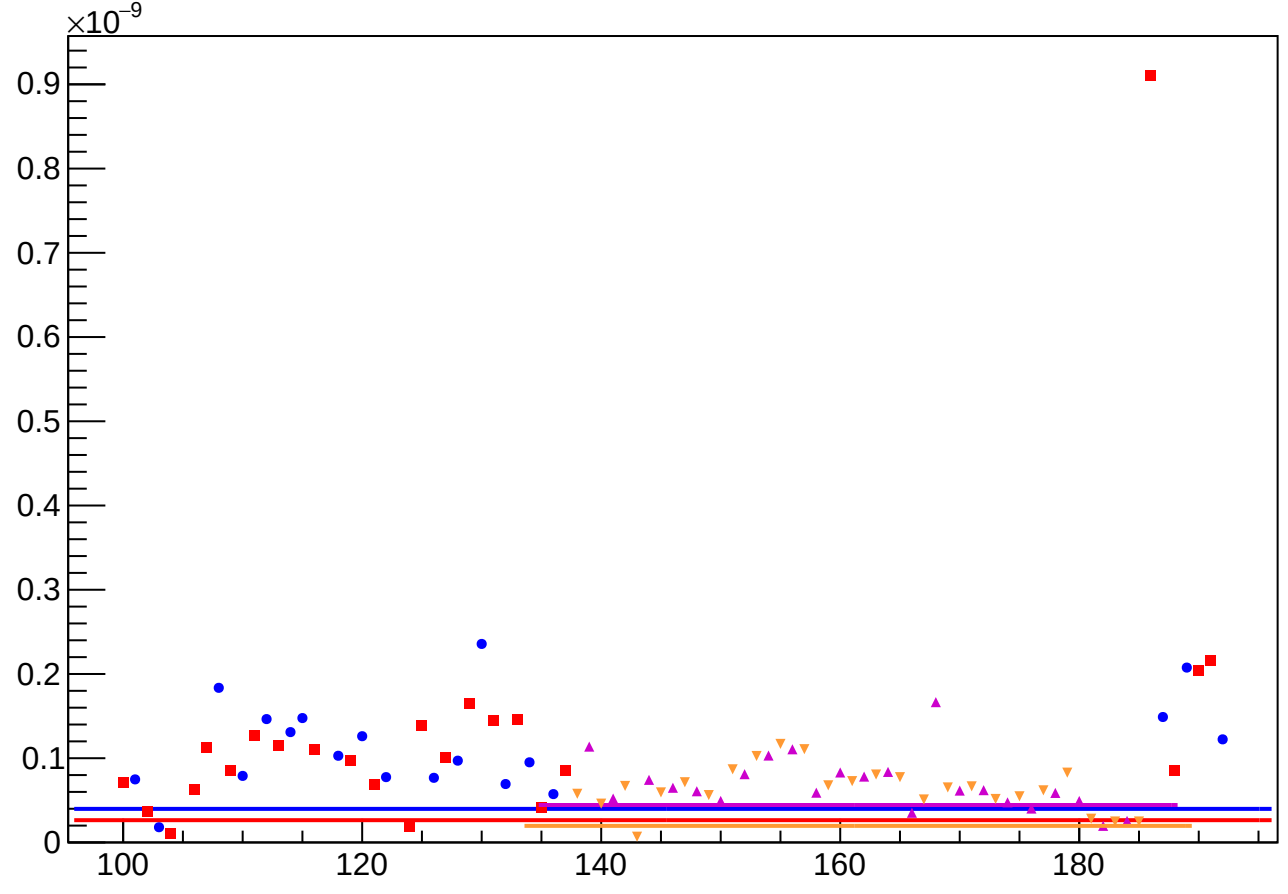
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.2/43

All: 0.000+/-0.000 χ^2/NDF: 78.7/89

- sign 0.000+/-0.000 χ^2/NDF: 48.2/45

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

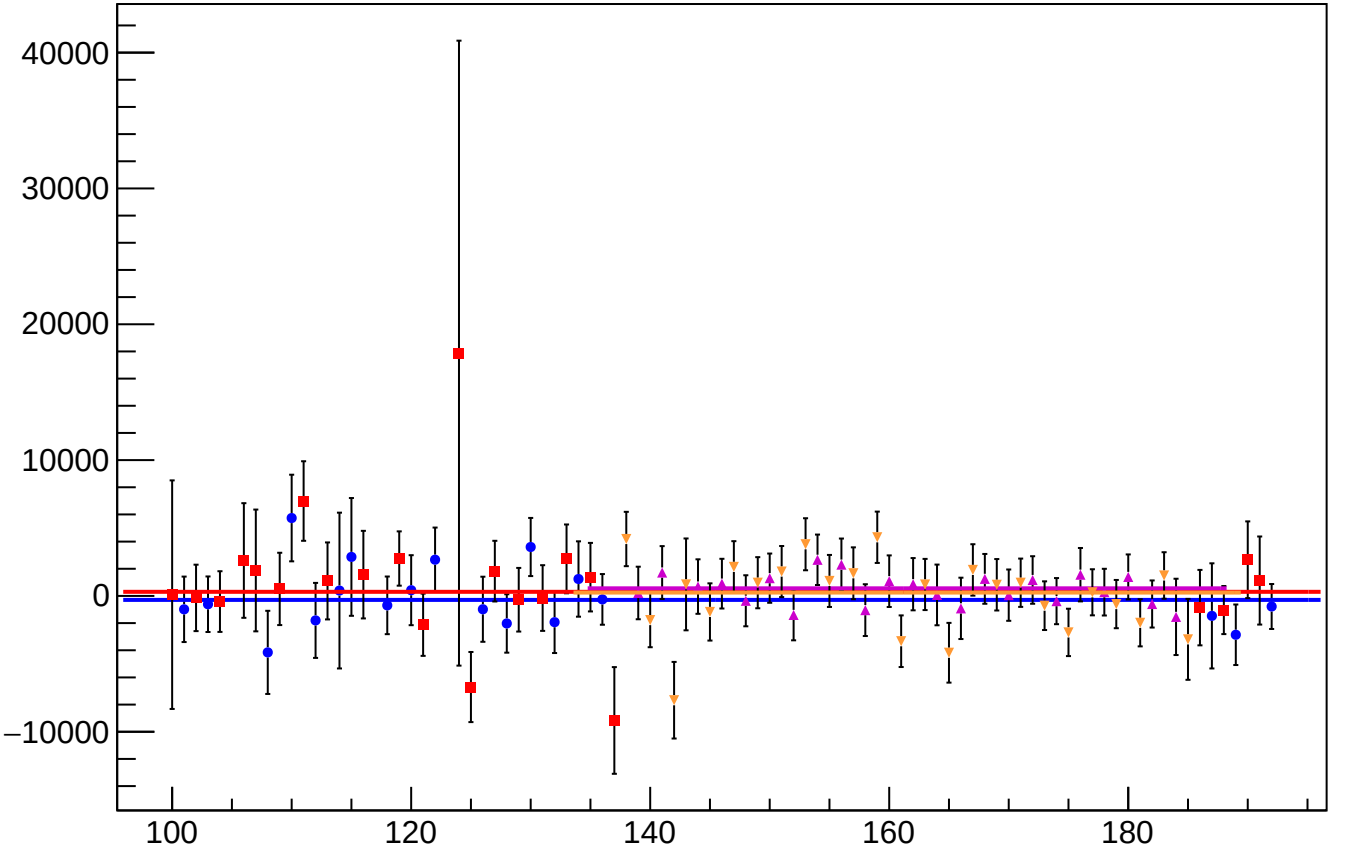
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 20974176.3/43

All: 0.000+/-0.000 χ^2/NDF: 36843227.5/89

- sign 0.000+/-0.000 χ^2/NDF: 13186693.1/45

reg_asym_atl_dd_mean vs Slug



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

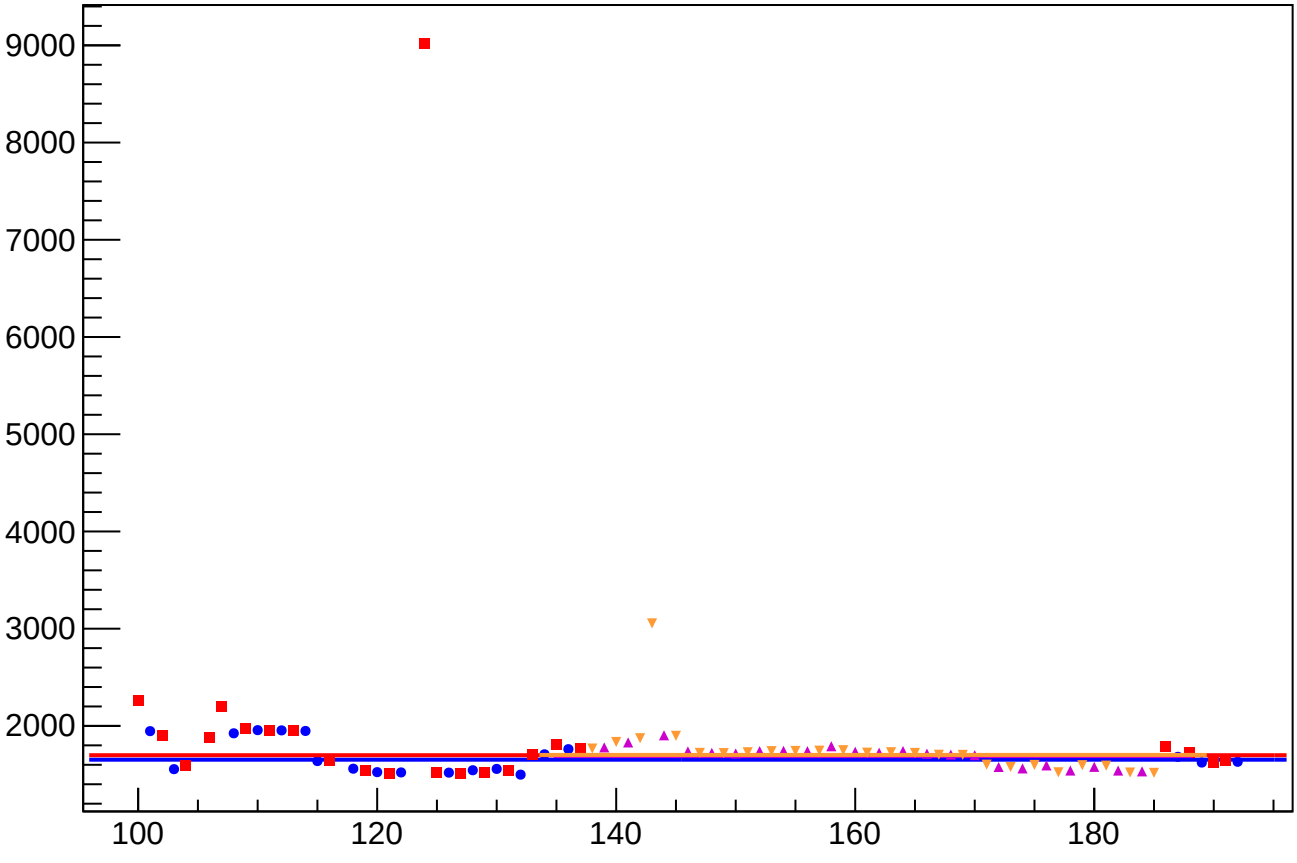
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 70.565+/-318.627 χ^2/NDF: 54.4/43

All: 269.796+/-226.948 χ^2/NDF: 88.4/89

- sign 474.951+/-323.330 χ^2/NDF: 33.2/45

reg_asym_atl_dd_rms vs Slug



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

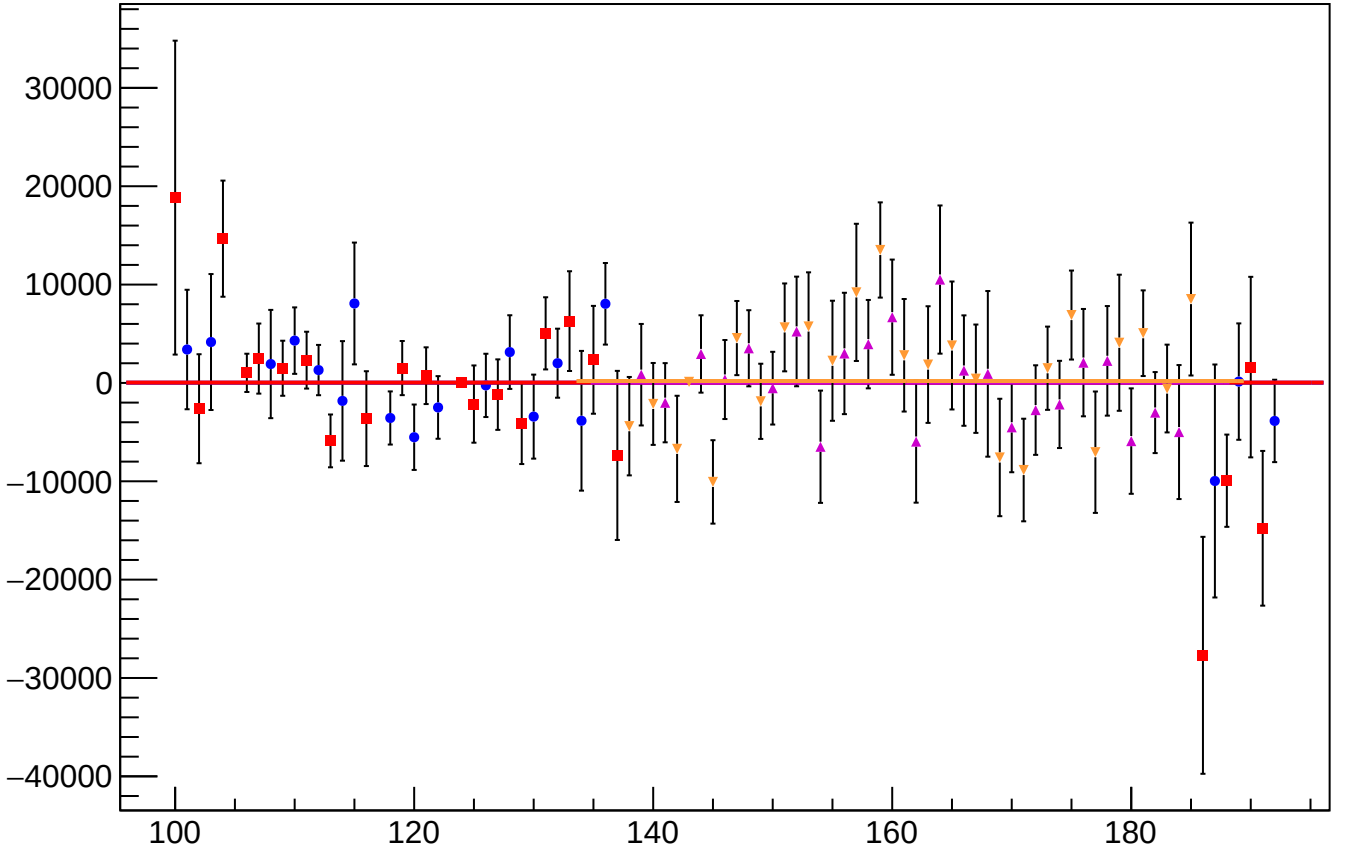
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1685.480+/-0.225 χ^2/NDF: 607718.4/43

All: 1688.871+/-0.160 χ^2/NDF: 1121776.9/89

- sign 1692.355+/-0.228 χ^2/NDF: 513599.2/45

asym_atl_dd_reg_correction_mean vs Slug



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

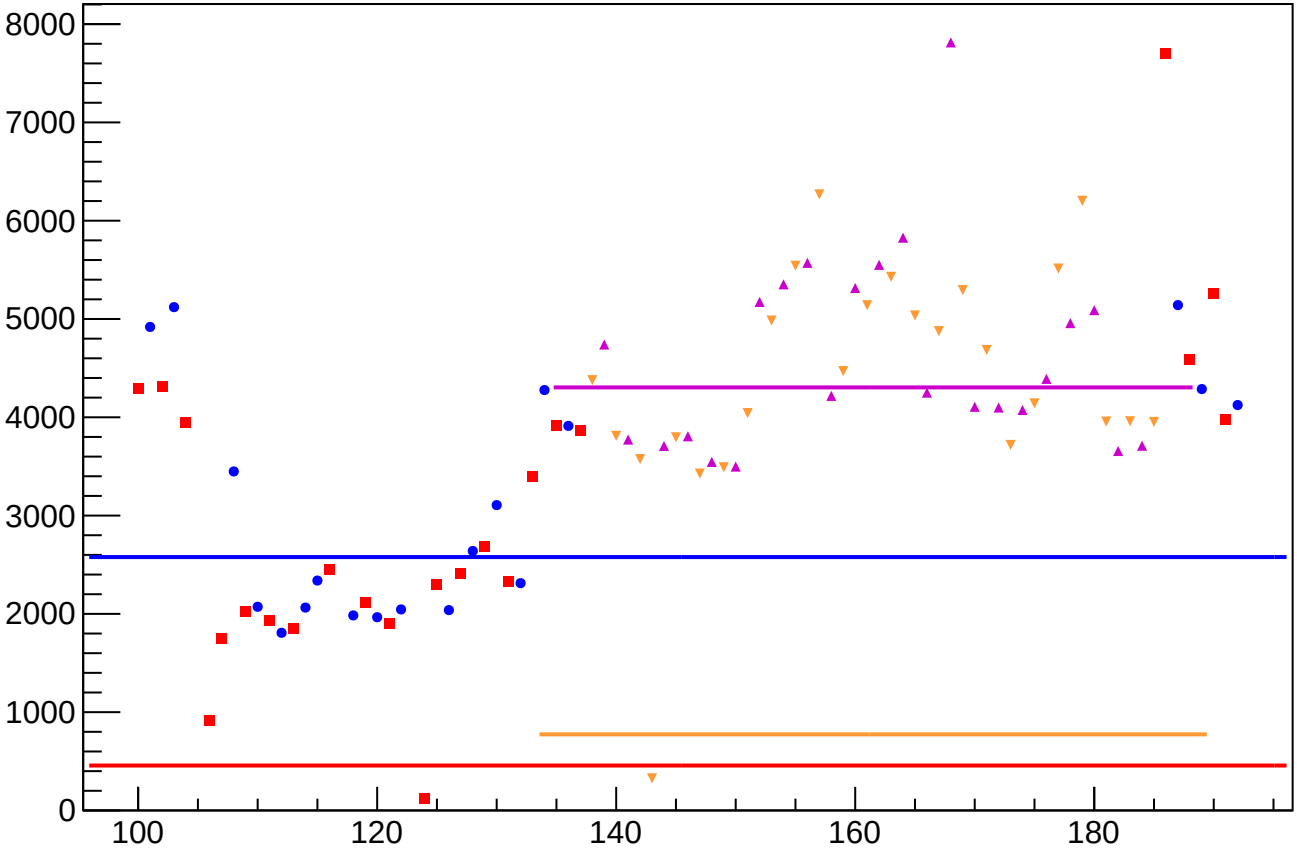
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 172.649+/-321.600 χ^2/NDF: 50.8/43

All: 100.404+/-222.262 χ^2/NDF: 98.5/89

- sign 34.344+/-307.523 χ^2/NDF: 47.6/45

asym_atl_dd_reg_correction_rms vs Slug



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

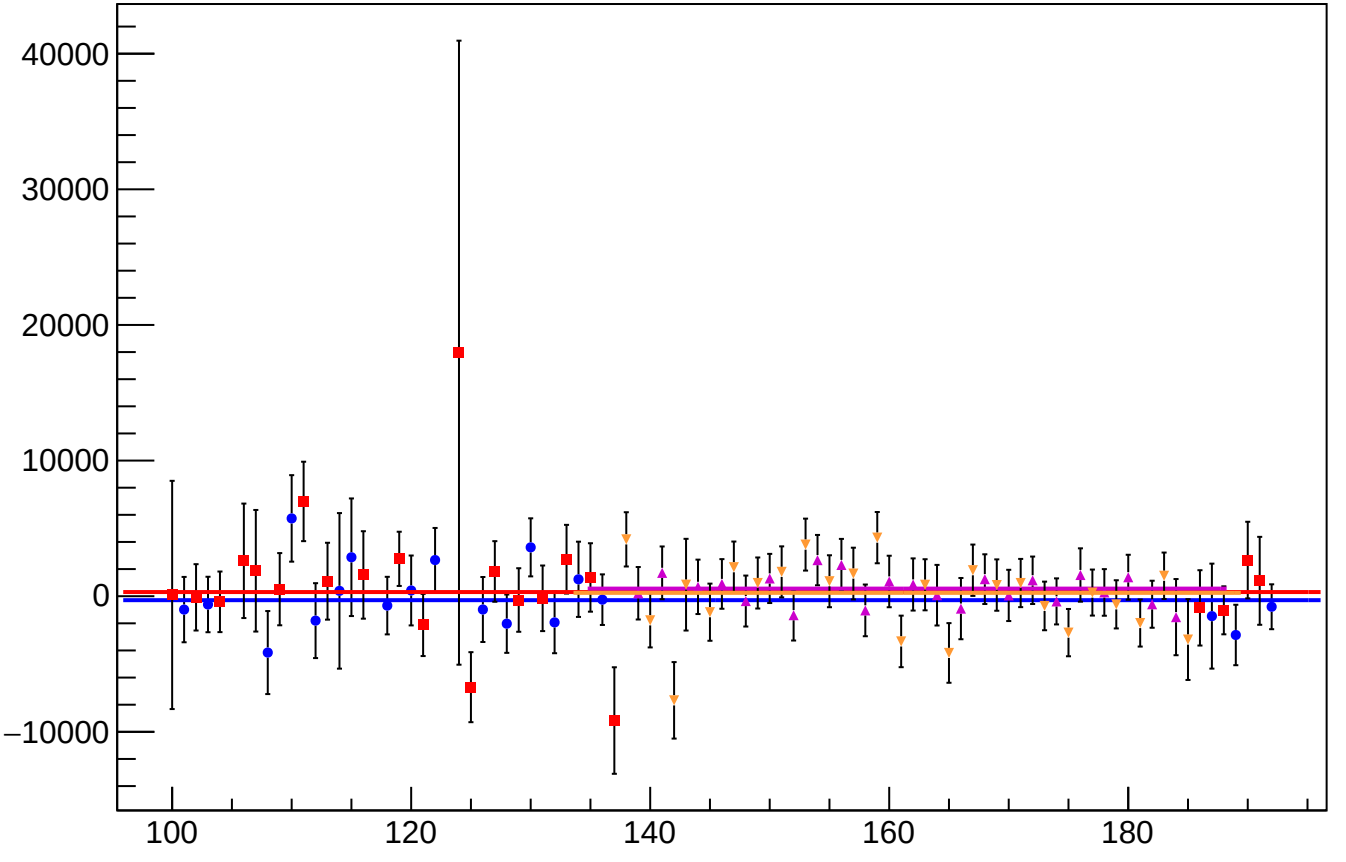
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 993.495+/-0.227 χ^2/NDF: 36839071.3/43

All: 894.038+/-0.157 χ^2/NDF: 78350090.4/89

- sign 803.097+/-0.217 χ^2/NDF: 41144837.5/45

cor_asym_atl_dd_mean vs Slug



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

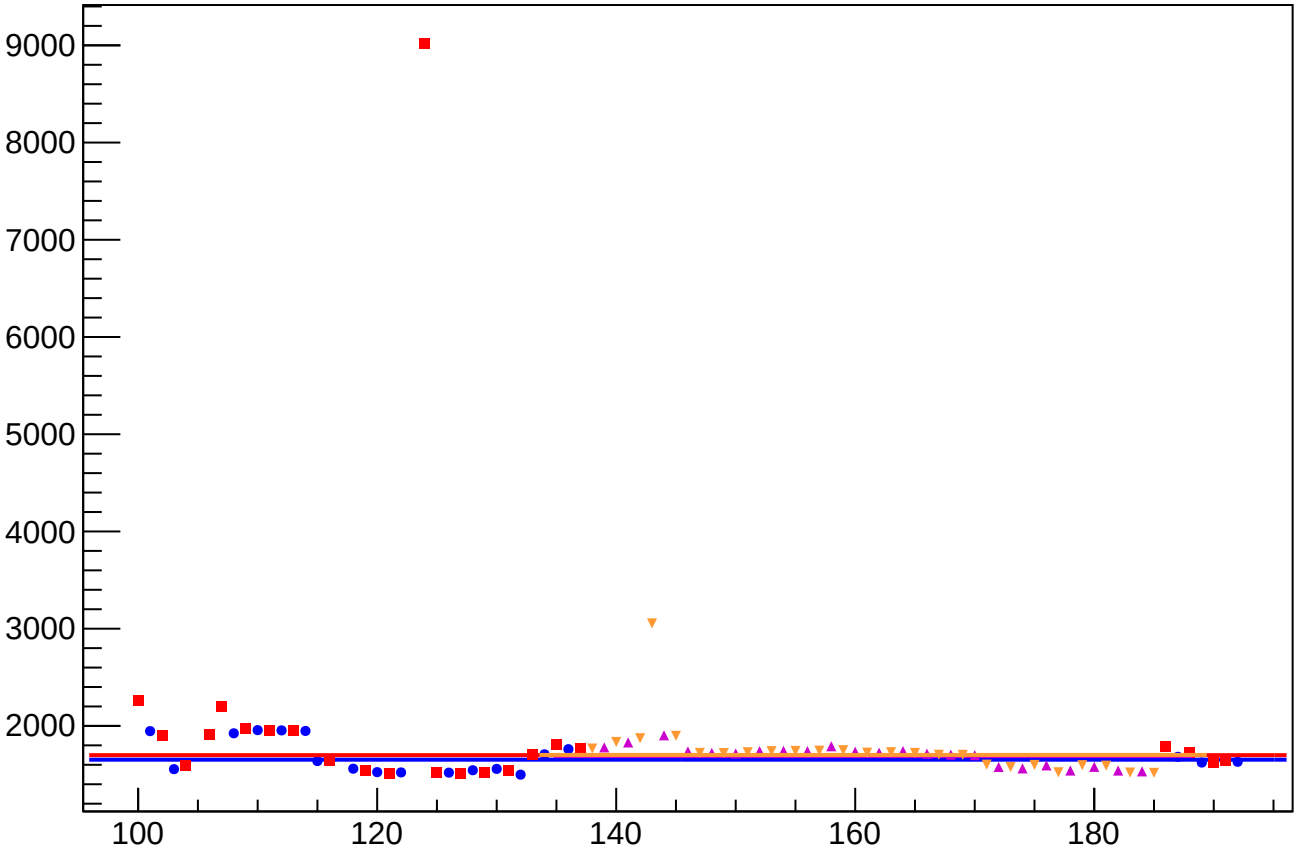
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 70.534+/-318.627 χ^2/NDF: 54.4/43

All: 270.321+/-226.948 χ^2/NDF: 88.4/89

- sign 476.051+/-323.331 χ^2/NDF: 33.2/45

cor_asym_atl_dd_rms vs Slug



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

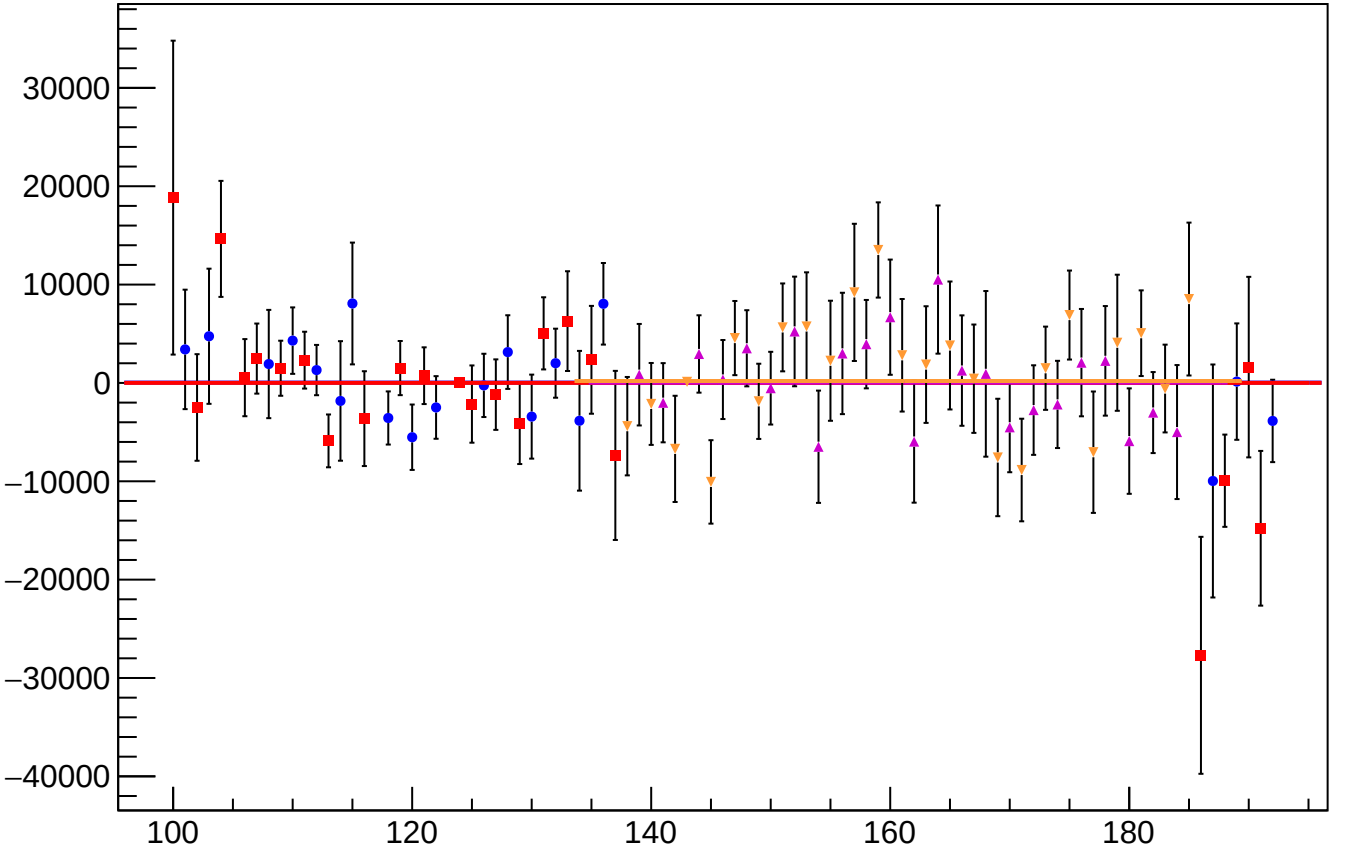
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1685.480+/-0.225 χ^2/NDF: 607718.4/43

All: 1688.973+/-0.160 χ^2/NDF: 1123591.8/89

- sign 1692.562+/-0.228 χ^2/NDF: 515386.0/45

asym_atl_dd_cor_correction_mean vs Slug



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

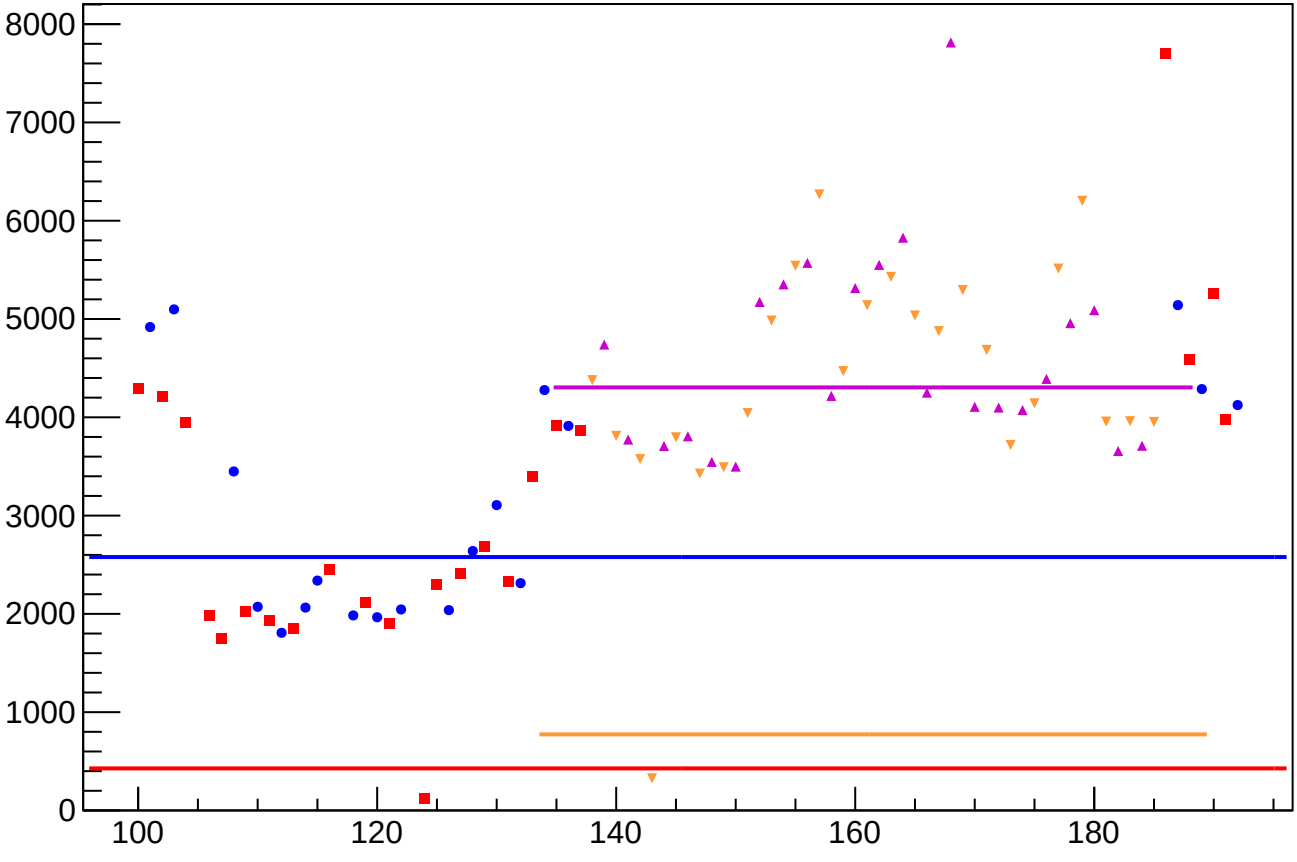
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 174.427+/-321.576 χ^2/NDF: 50.9/43

All: 85.700+/-219.628 χ^2/NDF: 98.4/89

- sign 8.131+/-300.677 χ^2/NDF: 47.3/45

asym_atl_dd_cor_correction_rms vs Slug



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

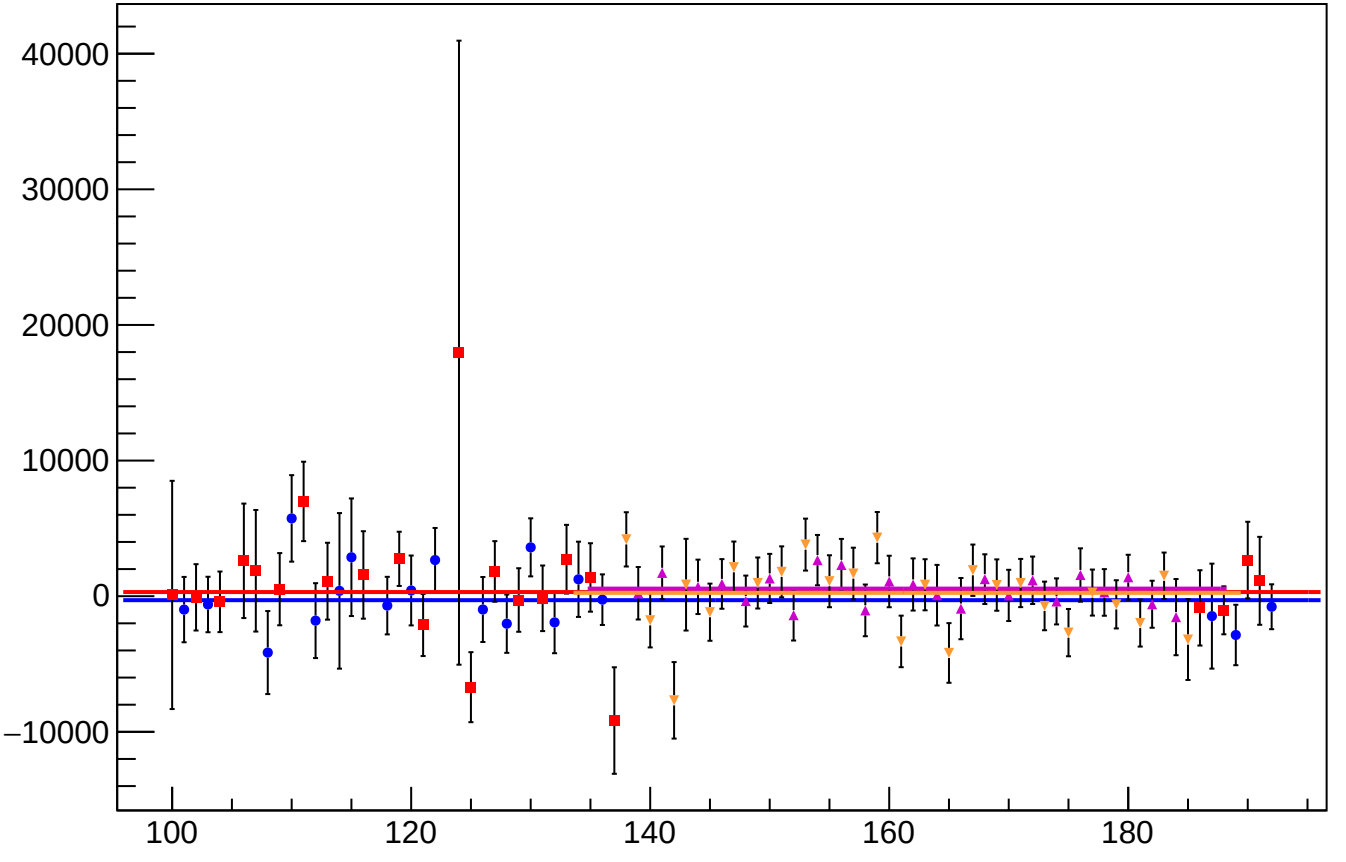
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 993.448+/-0.227 χ^2/NDF: 36841161.9/43

All: 869.528+/-0.155 χ^2/NDF: 79430139.4/89

- sign 761.191+/-0.213 χ^2/NDF: 42032337.3/45

eigen_cor_asym_atl_dd_mean vs Slug



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

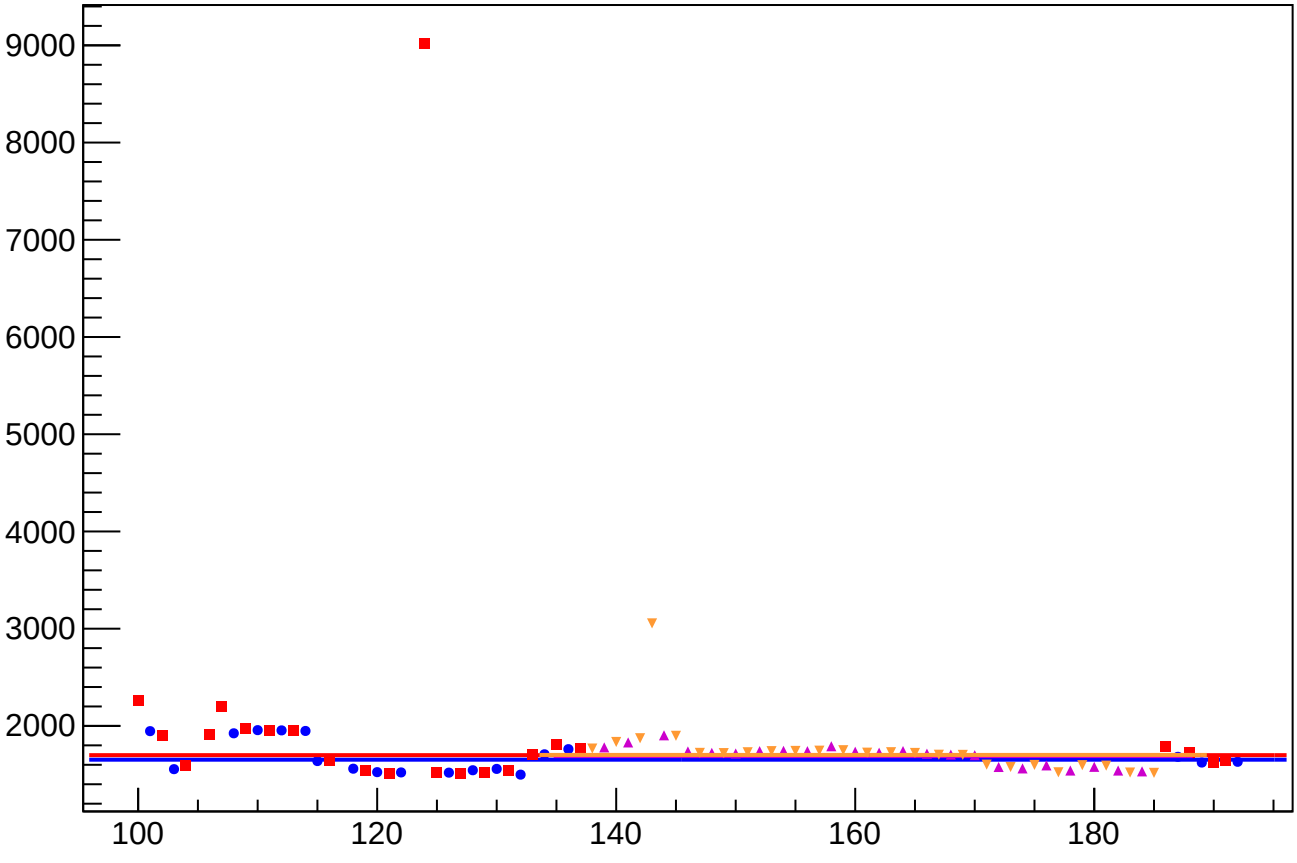
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 70.534+/-318.627 χ^2/NDF: 54.4/43

All: 270.321+/-226.948 χ^2/NDF: 88.4/89

- sign 476.051+/-323.331 χ^2/NDF: 33.2/45

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1652.562+/-0.393 χ^2/NDF: 144897.0/18

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

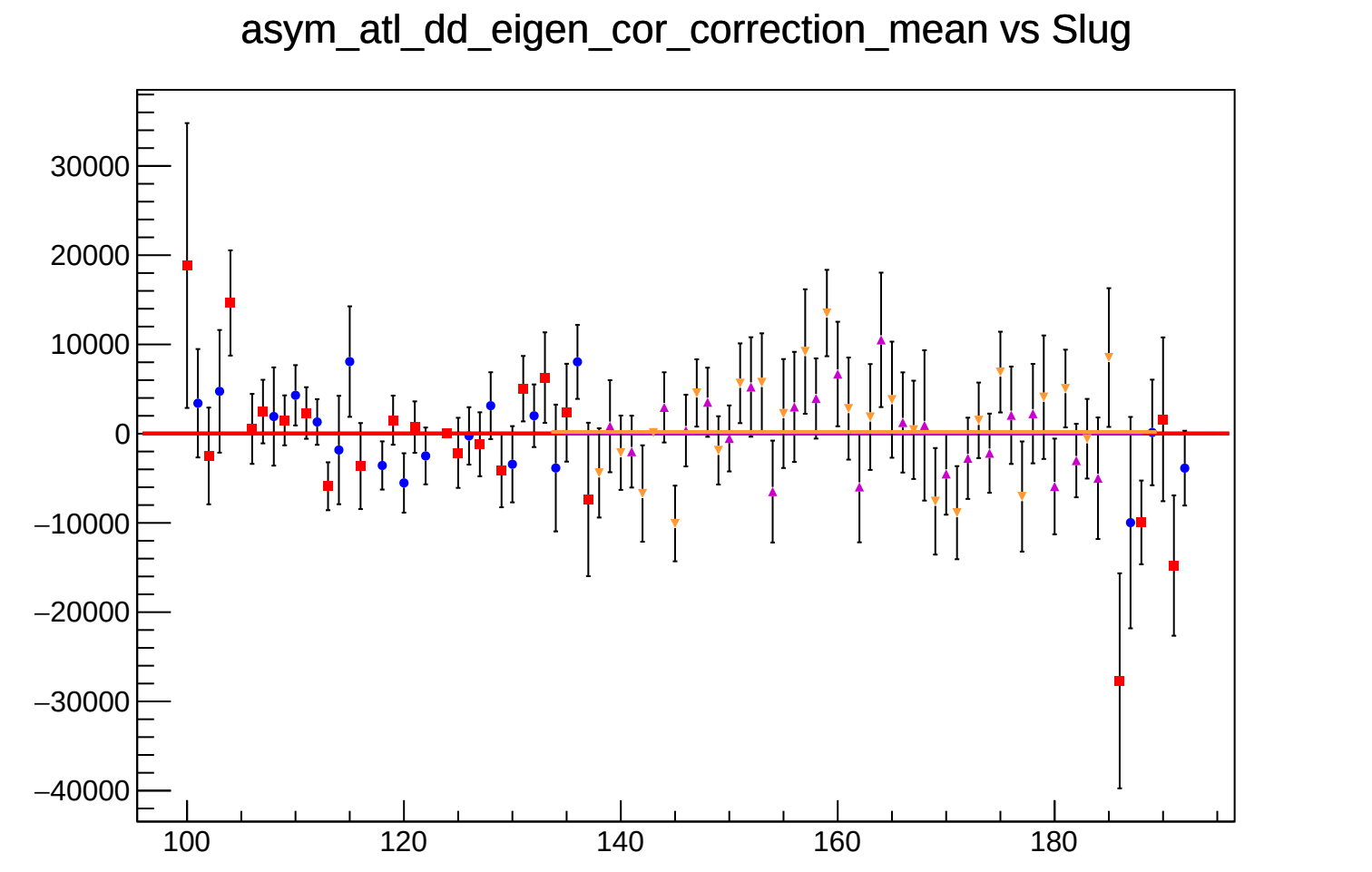
Right Out: 1699.215+/-0.396 χ^2/NDF: 392646.8/22

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1685.480+/-0.225 χ^2/NDF: 607718.4/43

All: 1688.973+/-0.160 χ^2/NDF: 1123591.8/89

- sign 1692.562+/-0.228 χ^2/NDF: 515386.0/45



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

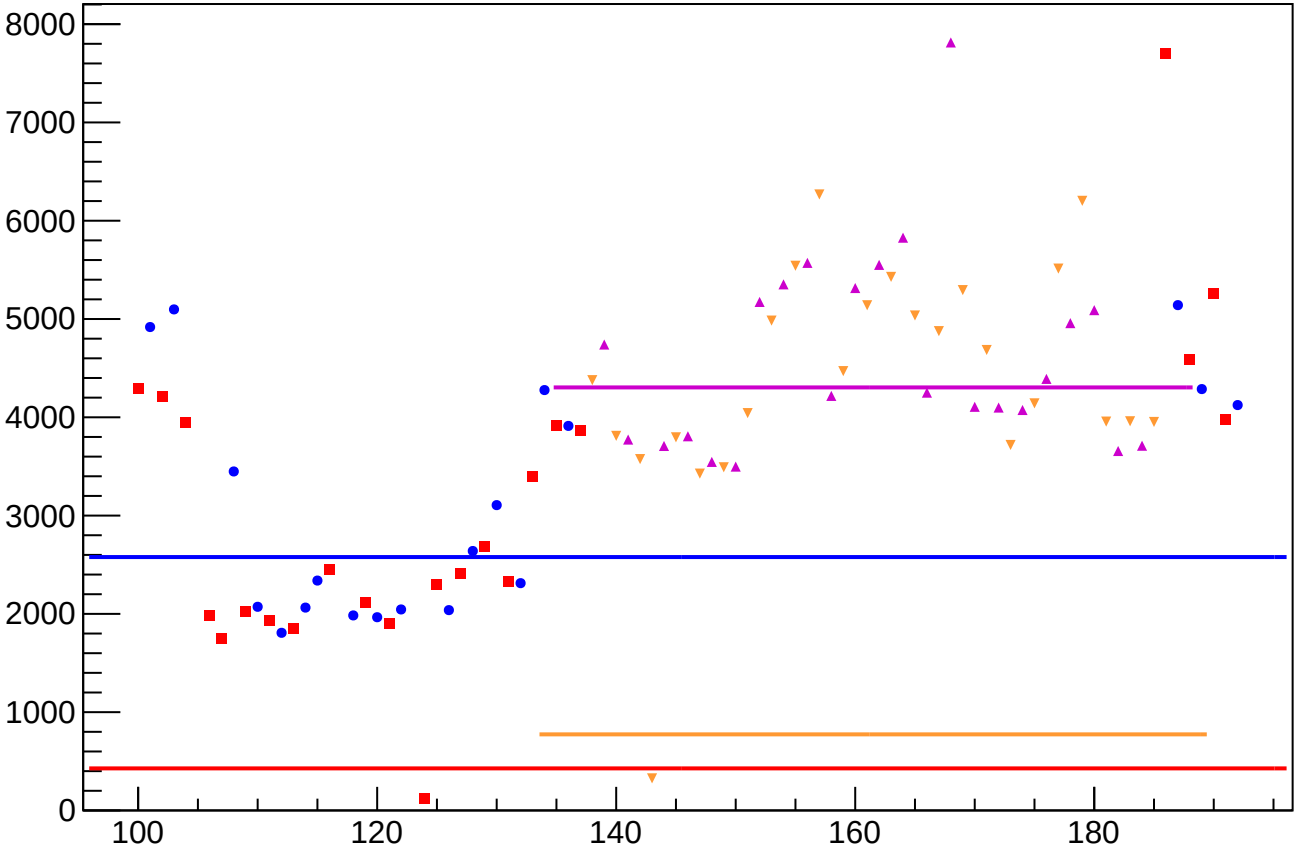
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 174.427+/-321.576 χ^2/NDF: 50.9/43

All: 85.700+/-219.628 χ^2/NDF: 98.4/89

- sign 8.131+/-300.677 χ^2/NDF: 47.3/45

asym_atl_dd_eigen_cor_correction_rms vs Slug



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

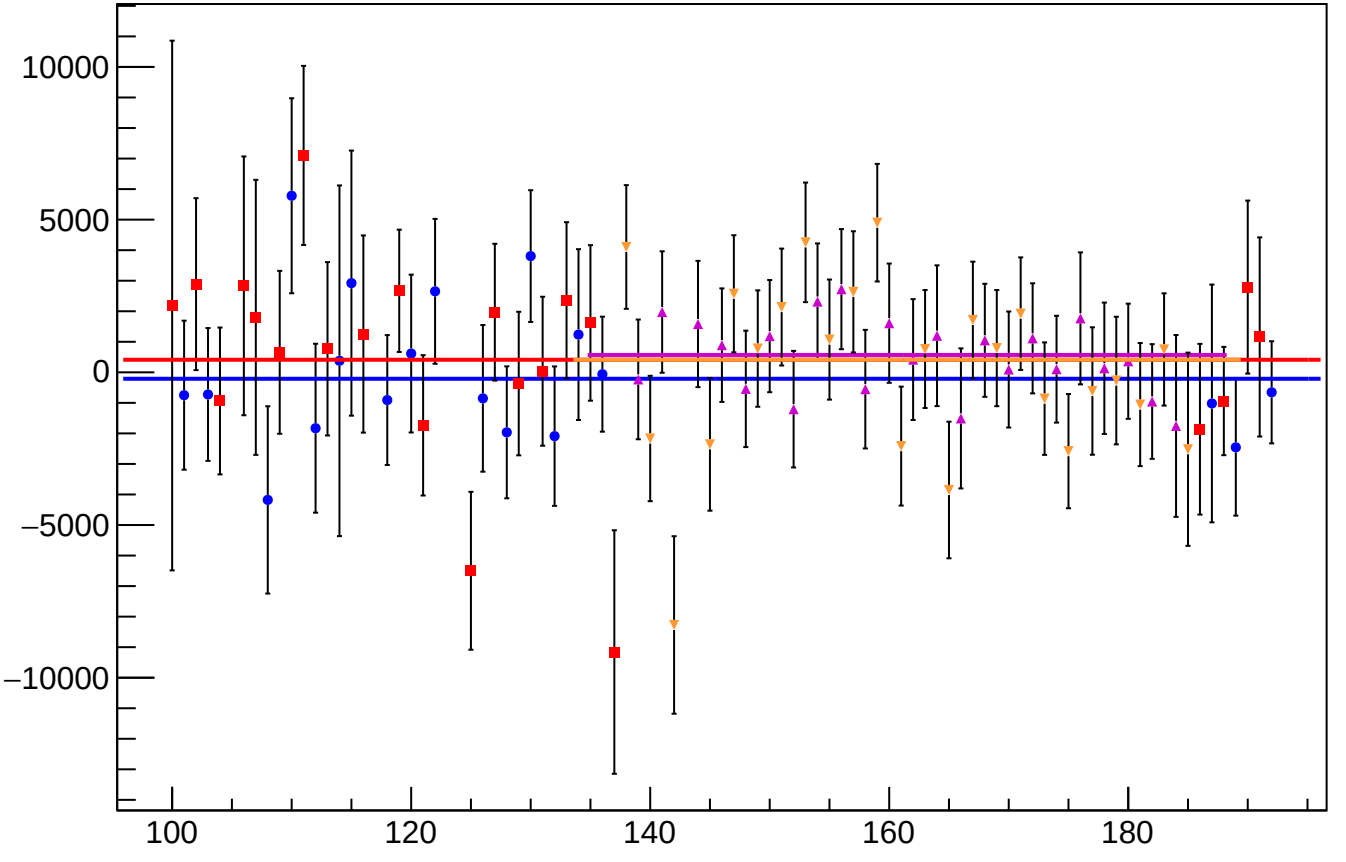
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 993.448+/-0.227 χ^2/NDF: 36841161.9/43

All: 869.528+/-0.155 χ^2/NDF: 79430139.4/89

- sign 761.191+/-0.213 χ^2/NDF: 42032337.3/45

dit_asym_atl_dd_mean vs Slug



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

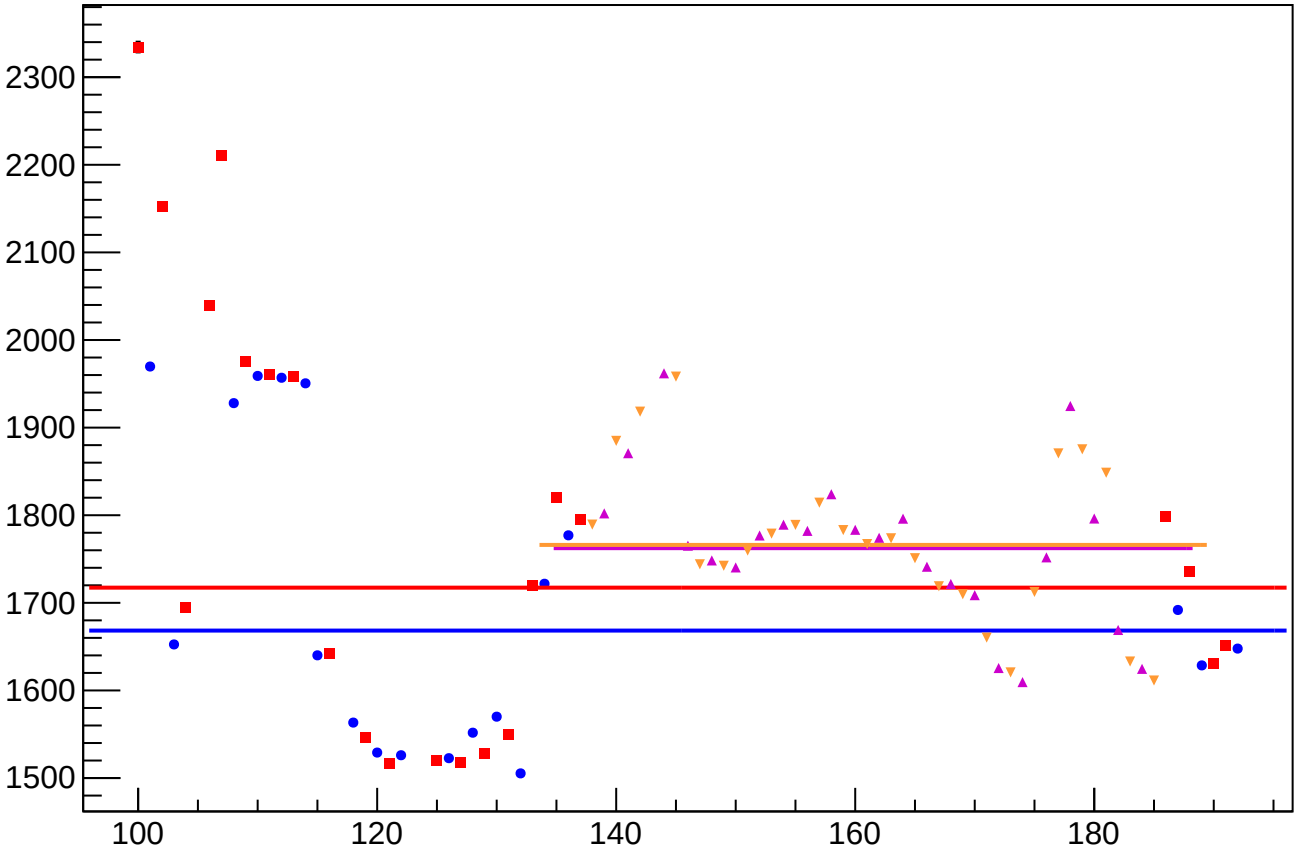
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 195.724+/-331.356 χ^2/NDF: 54.9/42

All: 354.106+/-235.287 χ^2/NDF: 88.5/87

- sign 515.172+/-334.153 χ^2/NDF: 33.1/44

dit_asym_atl_dd_rms vs Slug



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

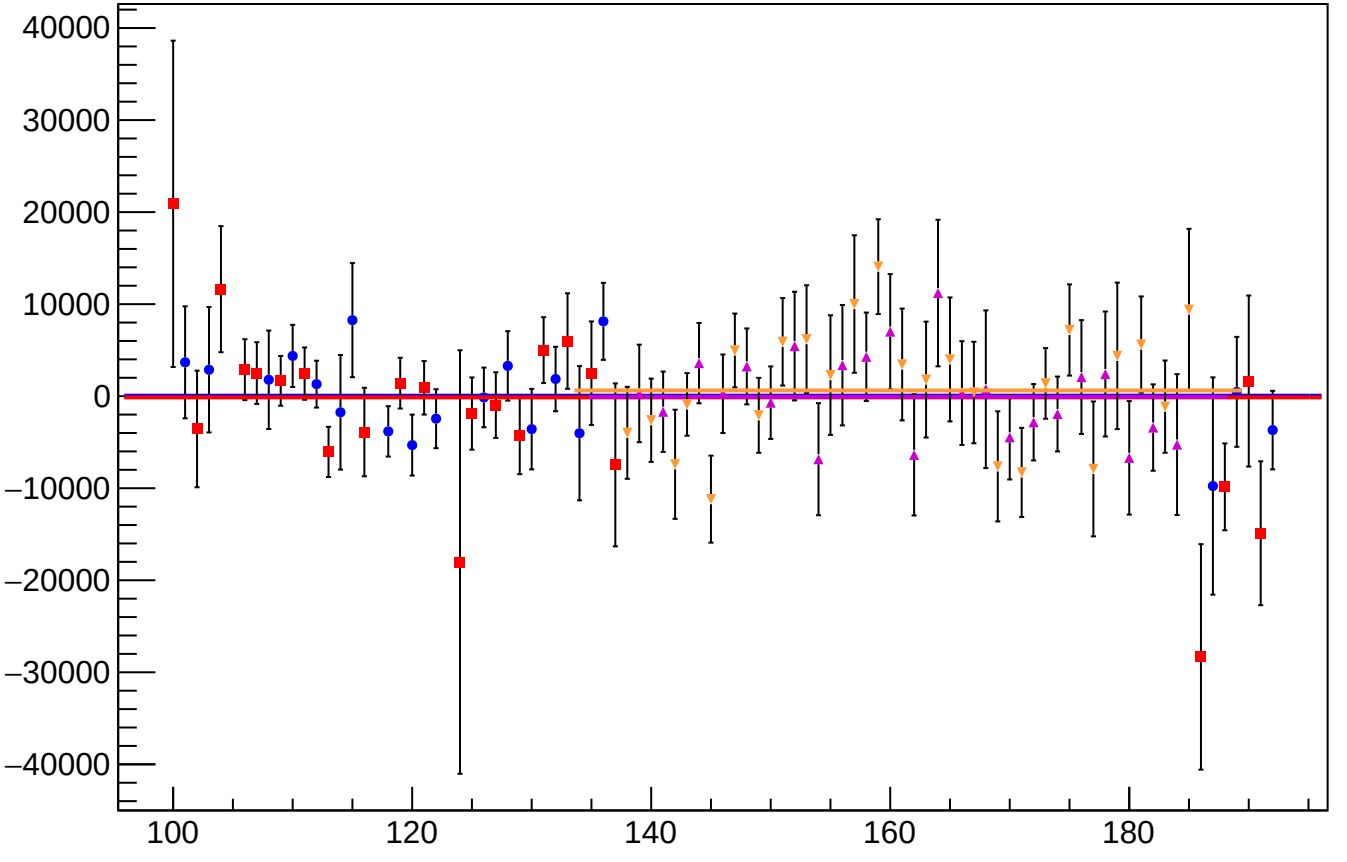
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1732.036+/-0.234 χ^2/NDF: 264823.3/42

All: 1739.429+/-0.166 χ^2/NDF: 587380.2/87

- sign 1746.939+/-0.236 χ^2/NDF: 320549.8/44

asym_atl_dd_dit_correction_mean vs Slug



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

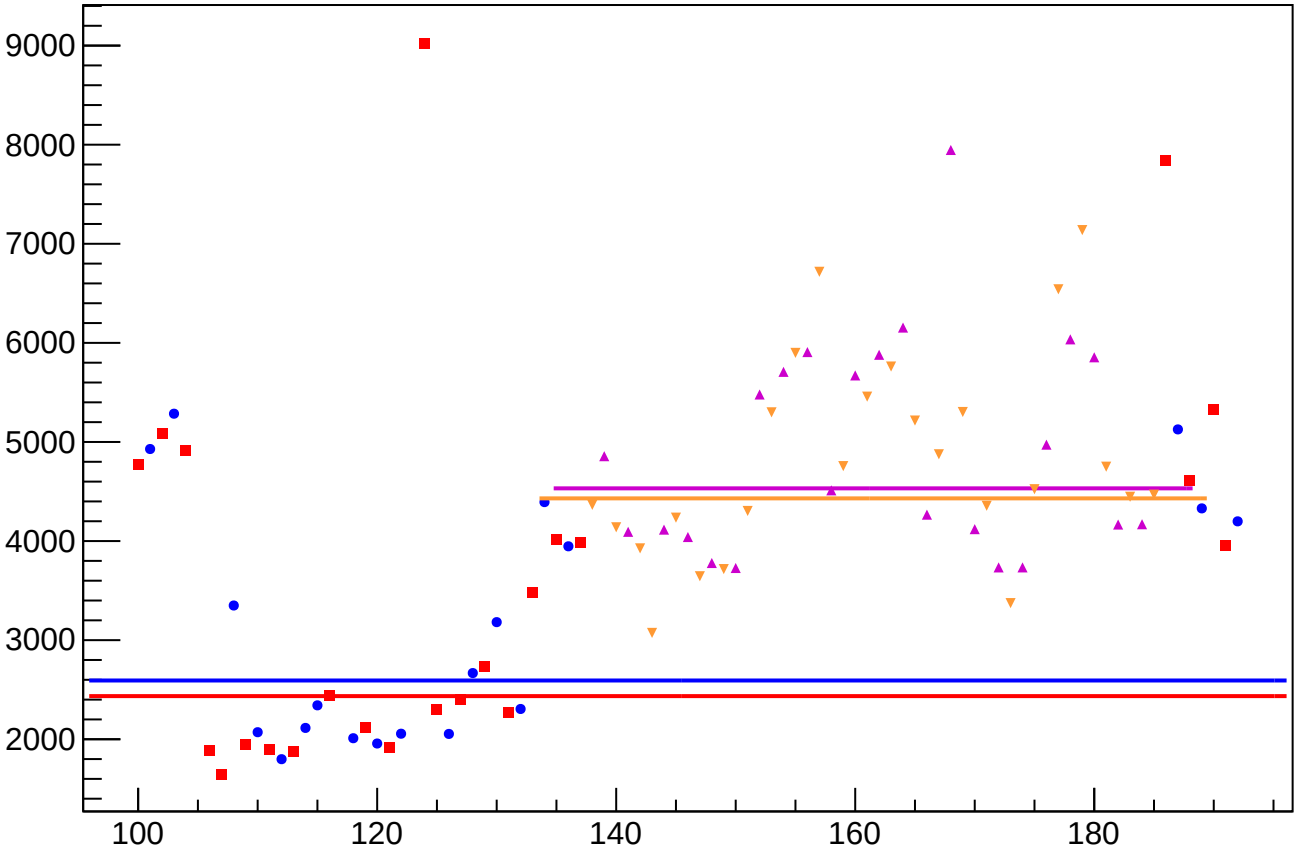
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 304.035+/-690.252 χ^2/NDF: 50.0/43

All: 90.126+/-481.596 χ^2/NDF: 95.6/89

- sign -112.781+/-672.264 χ^2/NDF: 45.4/45

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2592.967+/-0.655 χ^2/NDF: 2107164.2/18

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2435.325+/-0.606 χ^2/NDF: 2691313.2/22

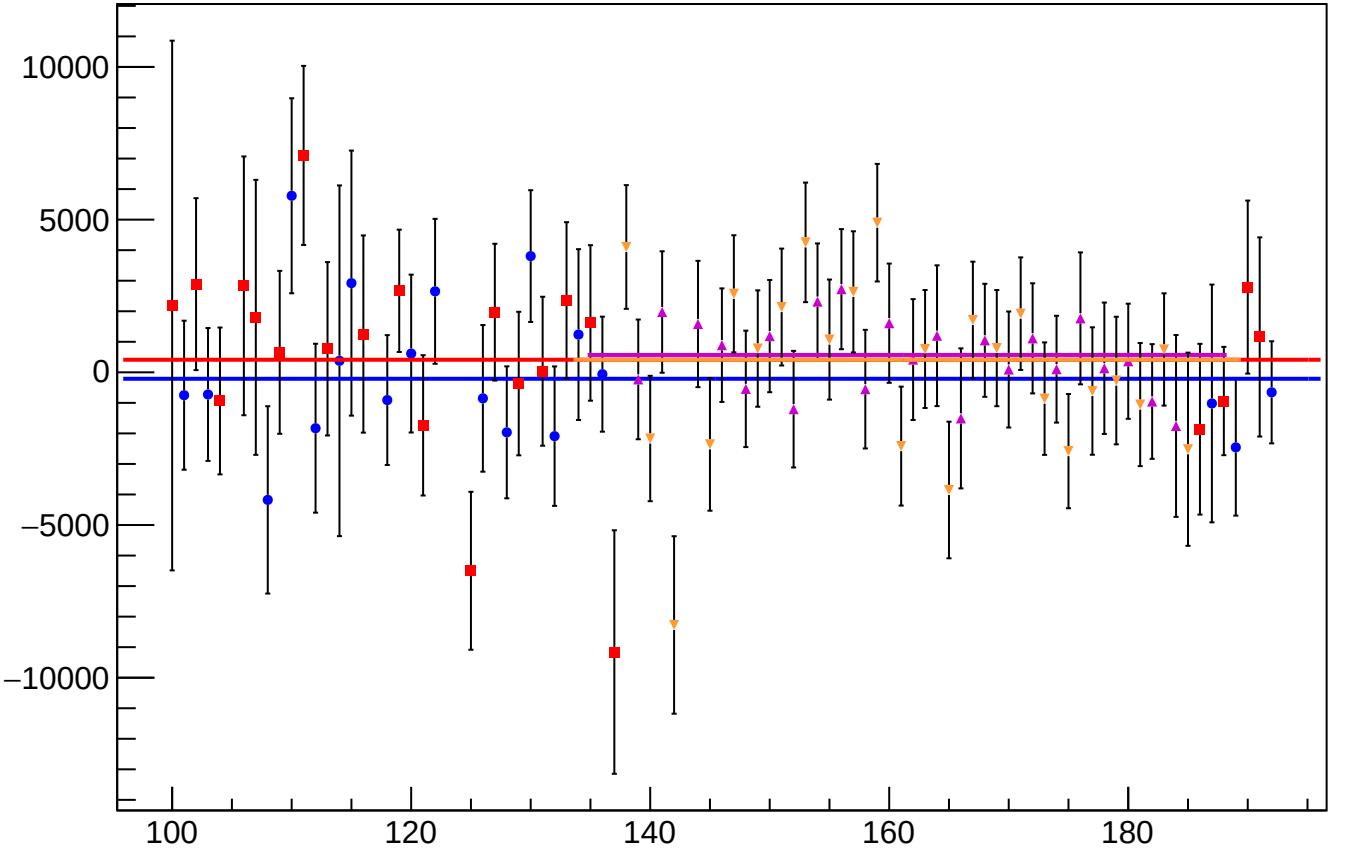
Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

\+ sign 3410.917+/-0.488 χ^2/NDF: 7222228.6/43

All: 3325.221+/-0.341 χ^2/NDF: 15959089.9/8

\- sign 3243.932+/-0.475 χ^2/NDF: 8676791.3/45

eigen_dit_asym_atl_dd_mean vs Slug



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

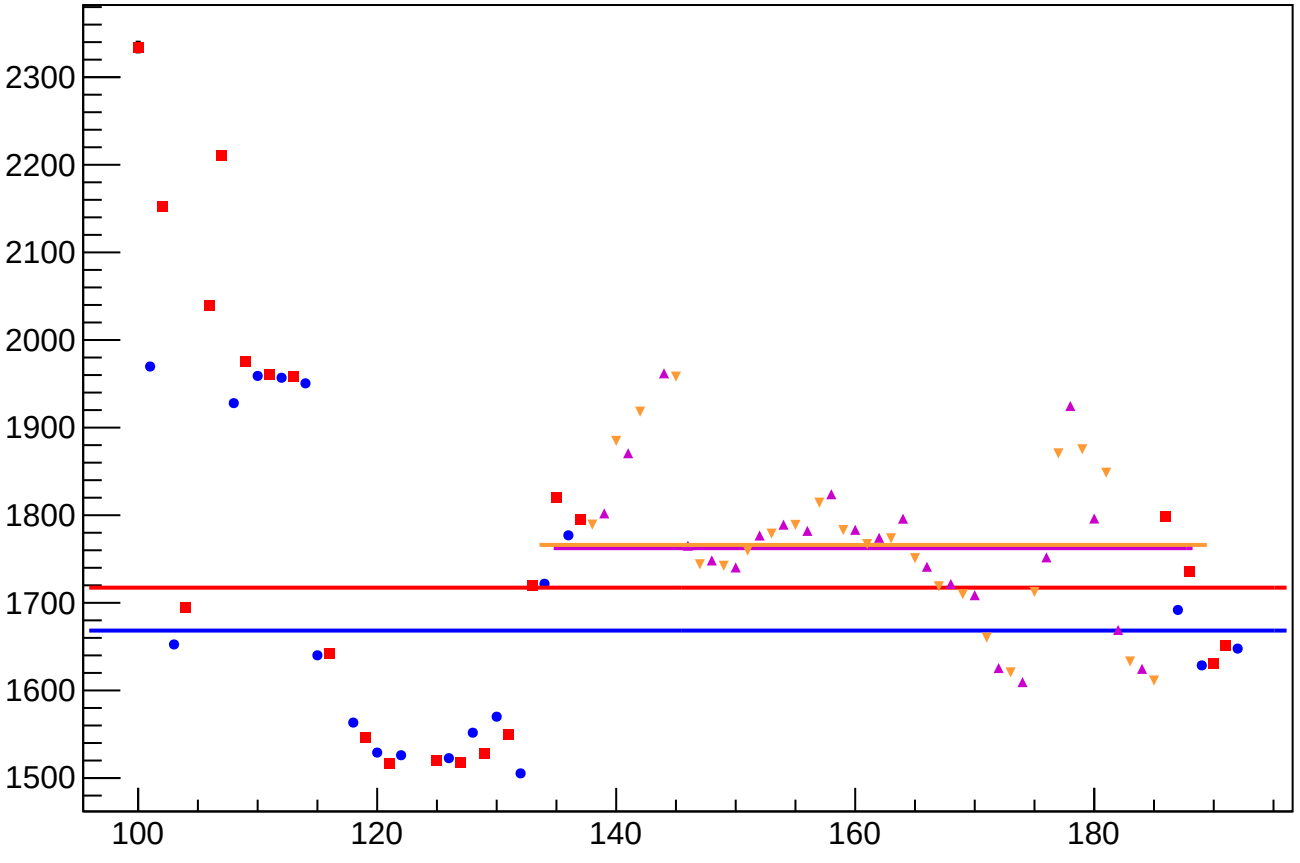
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 195.724+/-331.356 χ^2/NDF: 54.9/42

All: 354.106+/-235.287 χ^2/NDF: 88.5/87

- sign 515.172+/-334.153 χ^2/NDF: 33.1/44

eigen_dit_asym_atl_dd_rms vs Slug



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

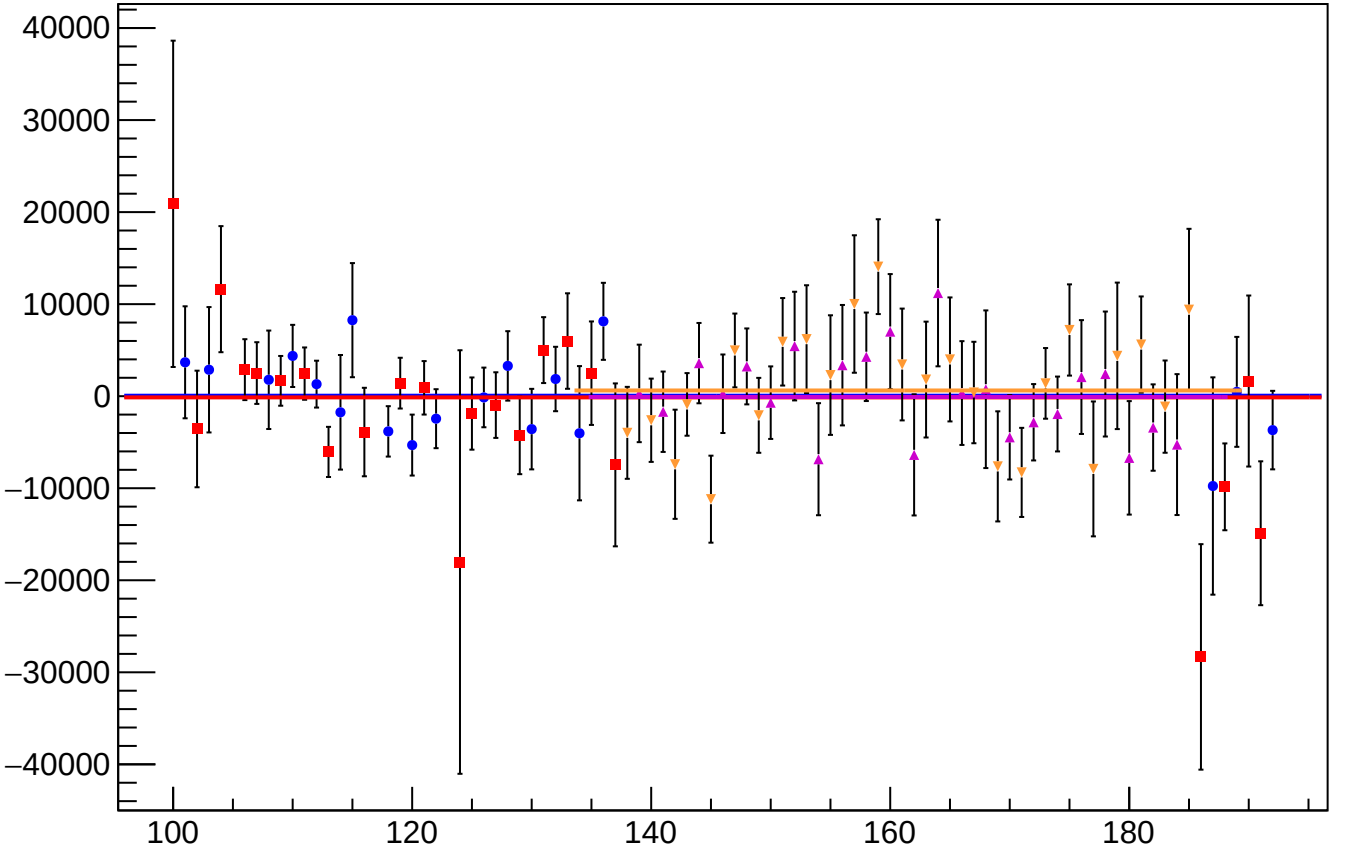
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1732.036+/-0.234 χ^2/NDF: 264827.3/42

All: 1739.430+/-0.166 χ^2/NDF: 587386.5/87

- sign 1746.939+/-0.236 χ^2/NDF: 320552.2/44

asym_atl_dd_eigen_dit_correction_mean vs Slug



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

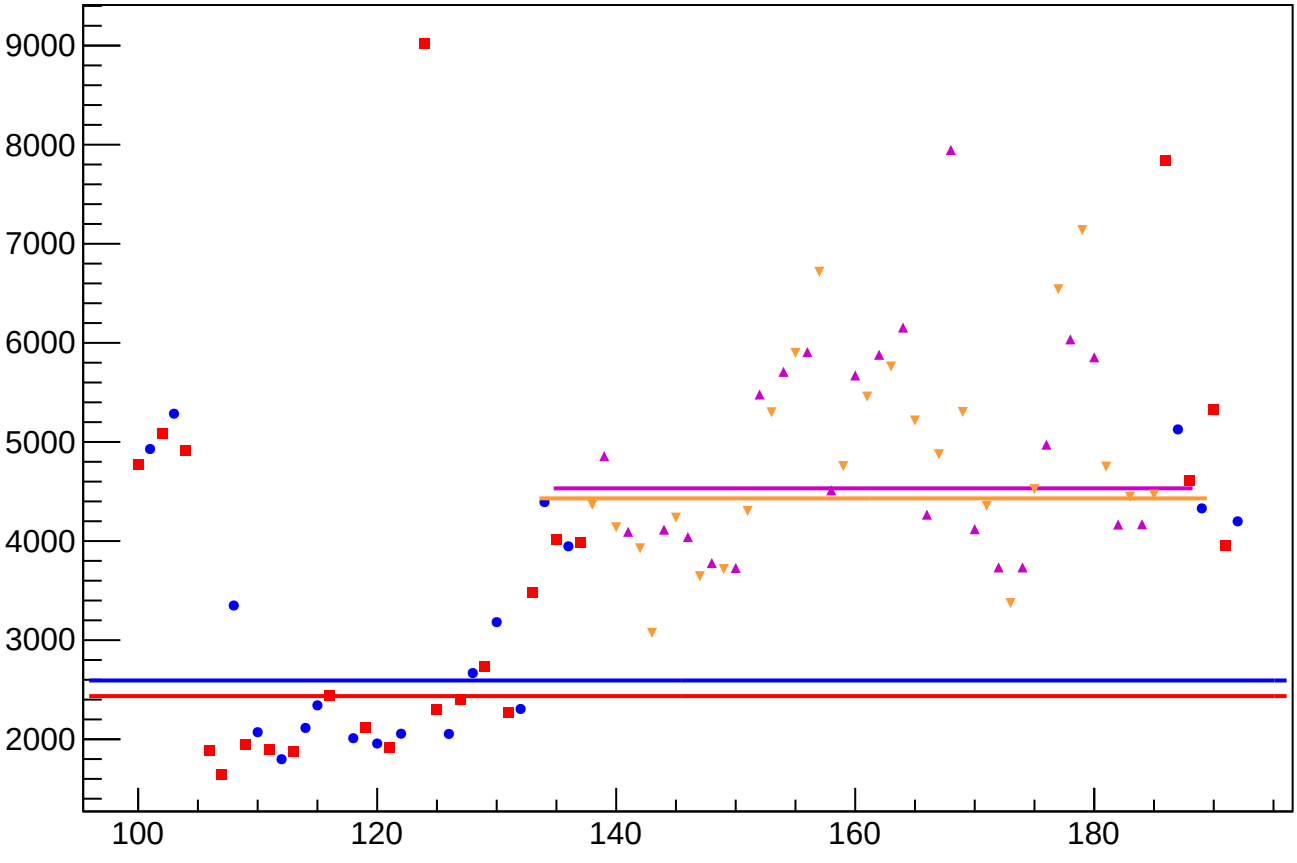
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 304.034+/-690.251 χ^2/NDF: 50.0/43

All: 90.127+/-481.596 χ^2/NDF: 95.6/89

- sign -112.777+/-672.264 χ^2/NDF: 45.4/45

asym_atl_dd_eigen_dit_correction_rms vs Slug



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

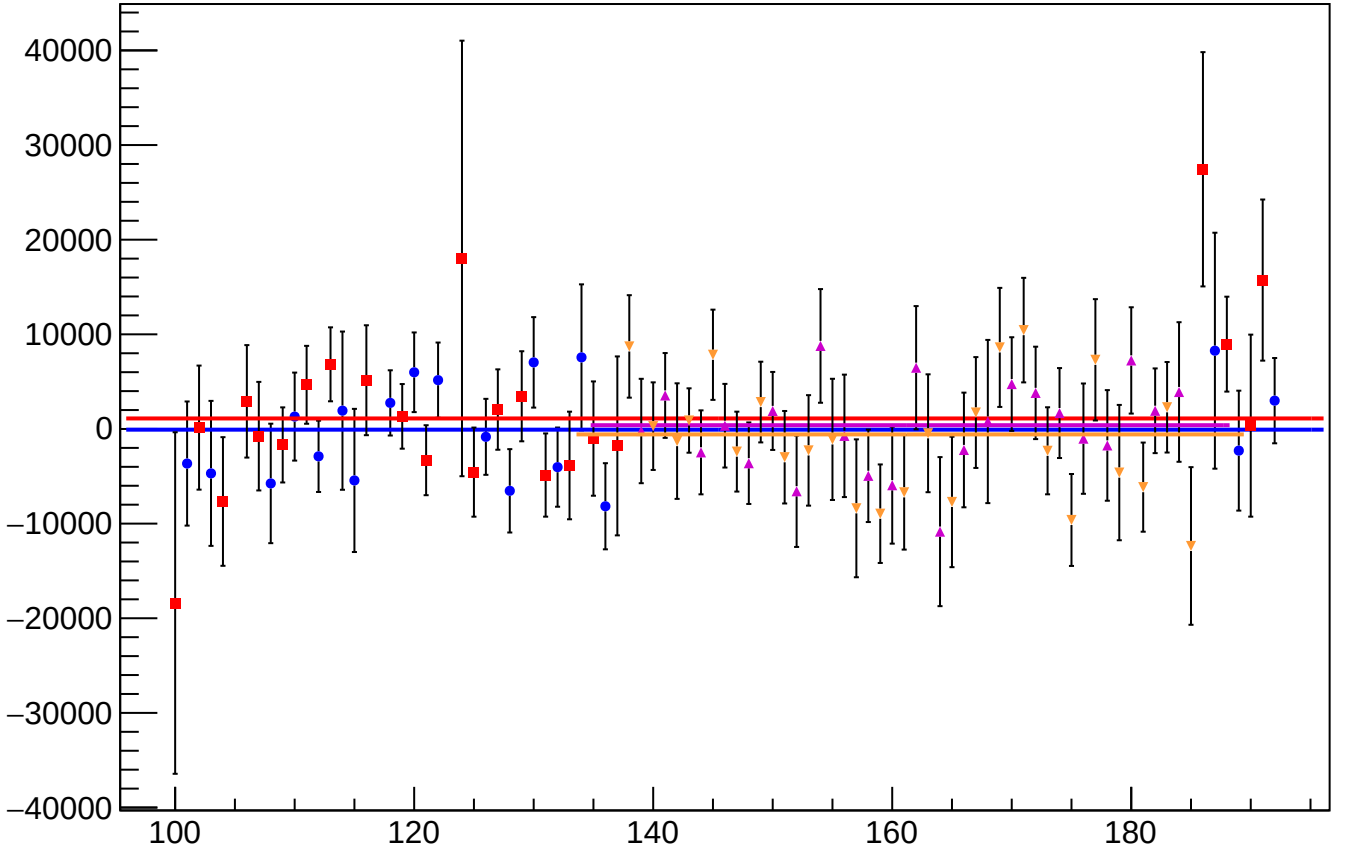
Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

\+ sign 3410.910+/-0.488 χ^2/NDF: 7222326.0/43

All: 3325.213+/-0.341 χ^2/NDF: 15959278.2/8

\- sign 3243.924+/-0.475 χ^2/NDF: 8676882.1/45

asym_atl_dd_mean vs Slug



Right In: -73.085+/-1133.636 χ^2/NDF: 17.6/18

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 1111.449+/-1102.870 χ^2/NDF: 23.4/22

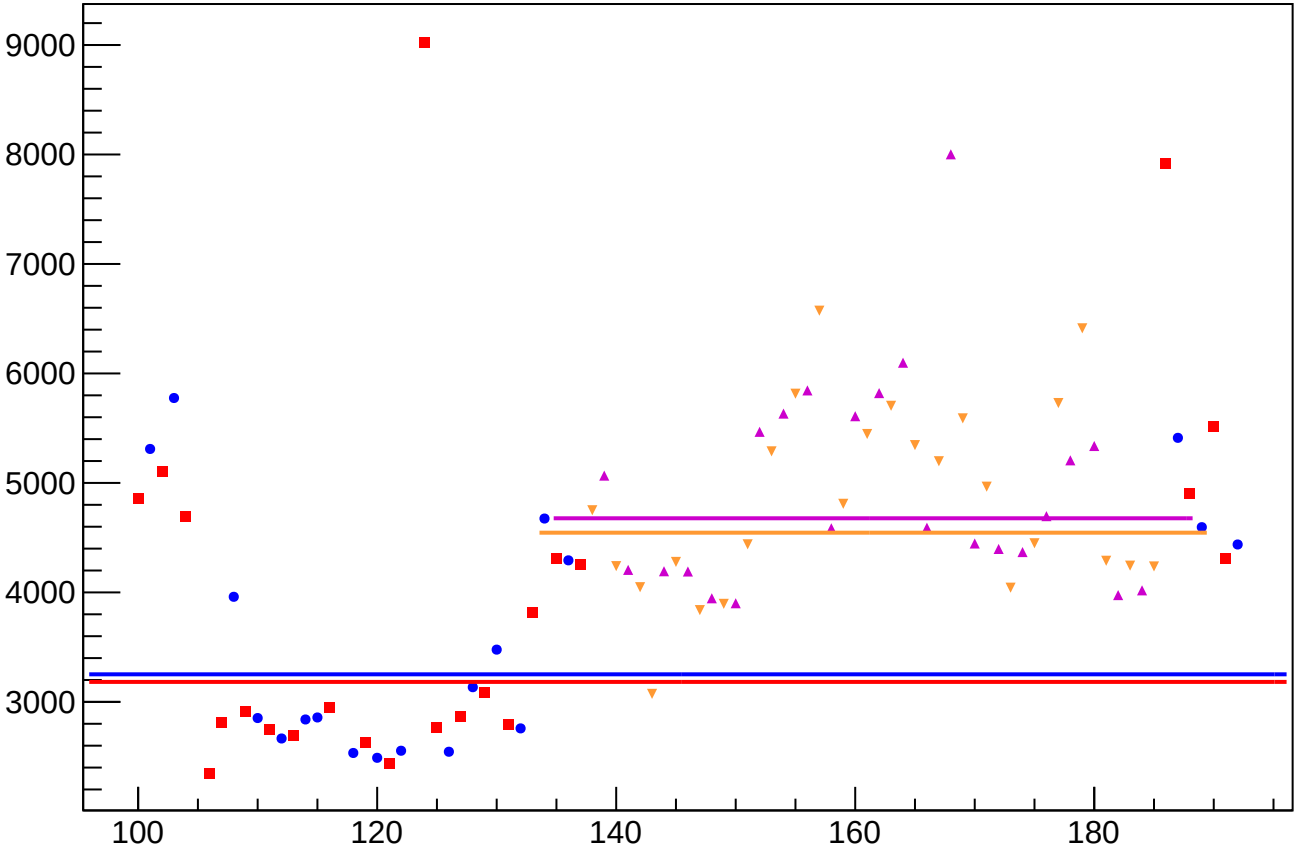
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -341.085+/-772.238 χ^2/NDF: 46.5/43

All: 200.966+/-549.535 χ^2/NDF: 85.1/89

- sign 757.060+/-782.177 χ^2/NDF: 37.6/45

asym_atl_dd_rms vs Slug



Right In: 3251.792+/-0.802 χ^2/NDF: 1284332.4/18

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

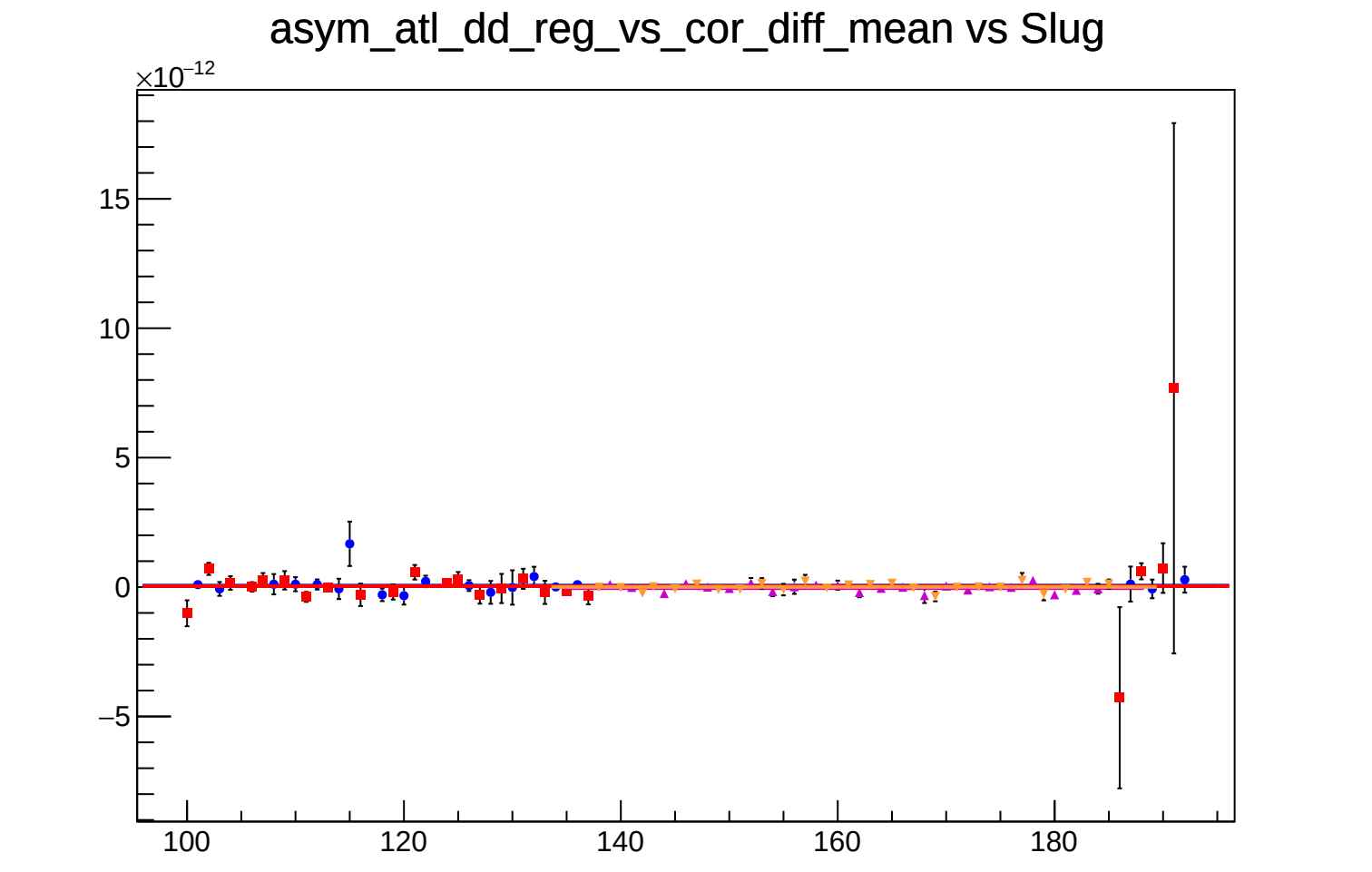
Right Out: 3182.491+/-0.770 χ^2/NDF: 1540321.5/22

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

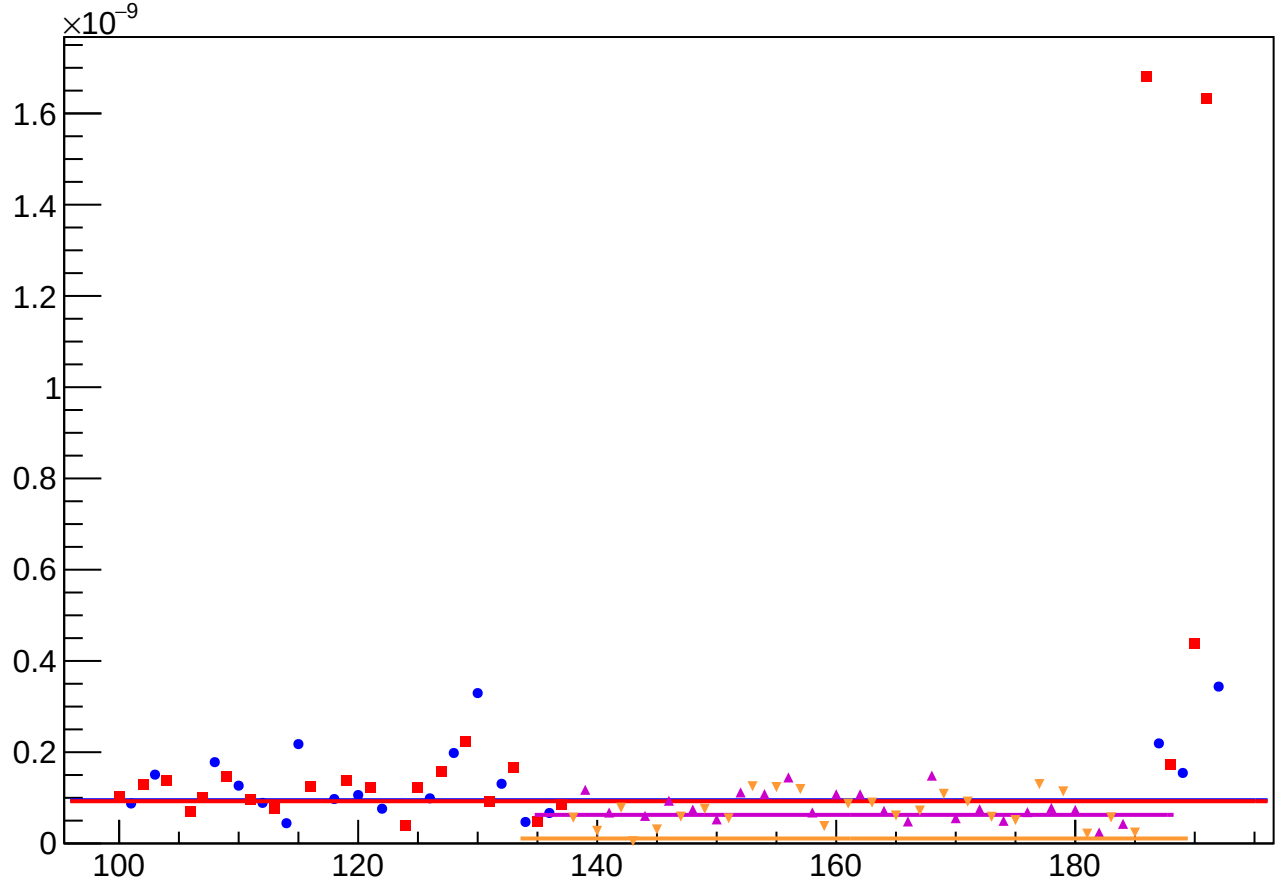
+ sign 3945.164+/-0.546 χ^2/NDF: 3938854.2/43

All: 3930.681+/-0.387 χ^2/NDF: 8288485.3/89

- sign 3916.009+/-0.550 χ^2/NDF: 4348215.0/45


asym_atl_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
15
10
5
0
−5
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 9.7/18
Left Out: 0.000+/-0.000 χ²/NDF:18.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 36.2/22
Left In: -0.000+/-0.000 χ²/NDF:20.6/22
+ sign 0.000+/-0.000 χ²/NDF: 28.7/43
All: 0.000+/-0.000 χ²/NDF: 89.1/89
- sign -0.000+/-0.000 χ²/NDF: 58.4/45

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



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

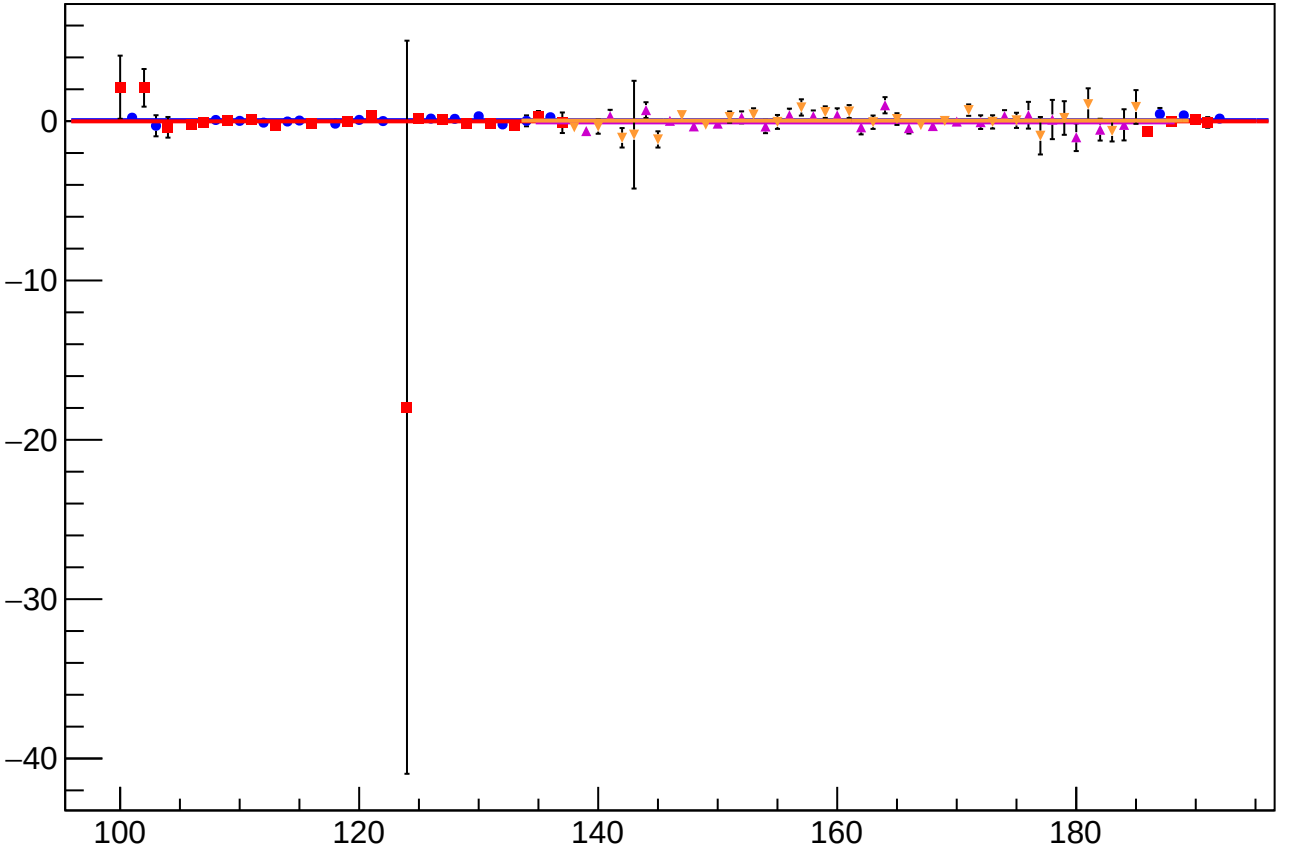
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15794071.6/43

All: 0.000+/-0.000 χ^2/NDF: 30129883.8/89

- sign 0.000+/-0.000 χ^2/NDF: 4450666.3/45

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



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

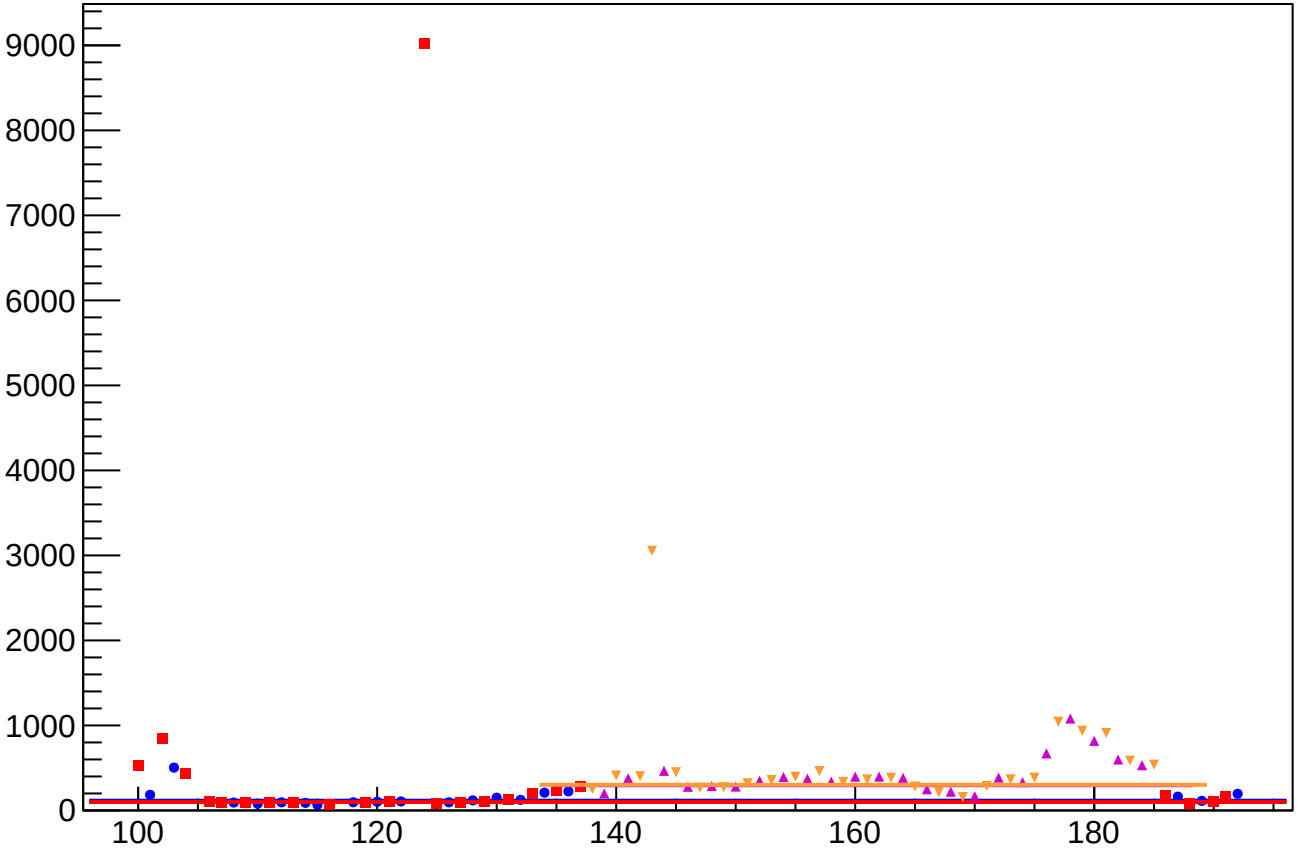
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.056+/-0.037 χ^2/NDF: 43.9/43

All: 0.011+/-0.025 χ^2/NDF: 99.7/89

- sign -0.025+/-0.033 χ^2/NDF: 53.1/45

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



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

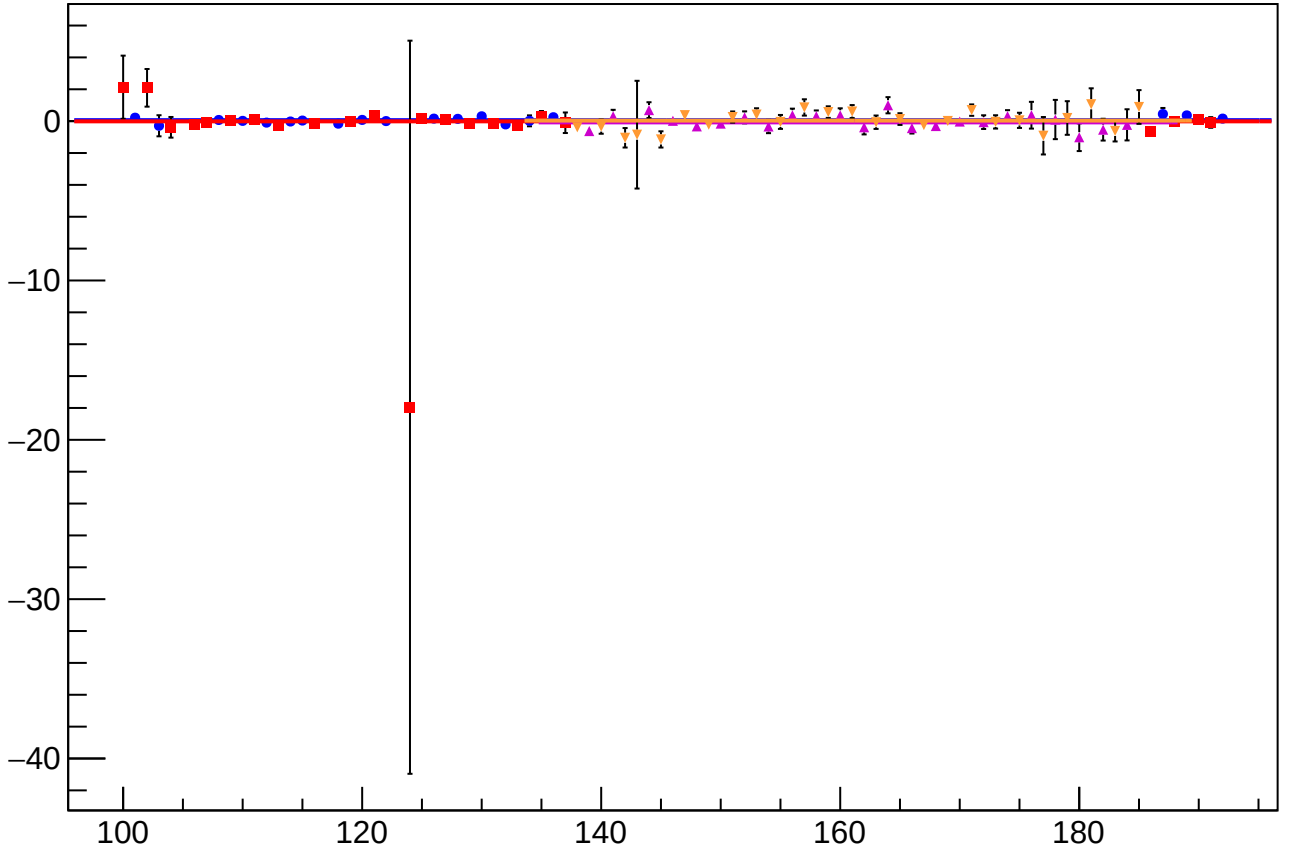
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 158.073+/-0.026 χ^2/NDF: 18076908.3/43

All: 146.637+/-0.018 χ^2/NDF: 37307013.6/89

- sign 137.418+/-0.024 χ^2/NDF: 18887298.4/45

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



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

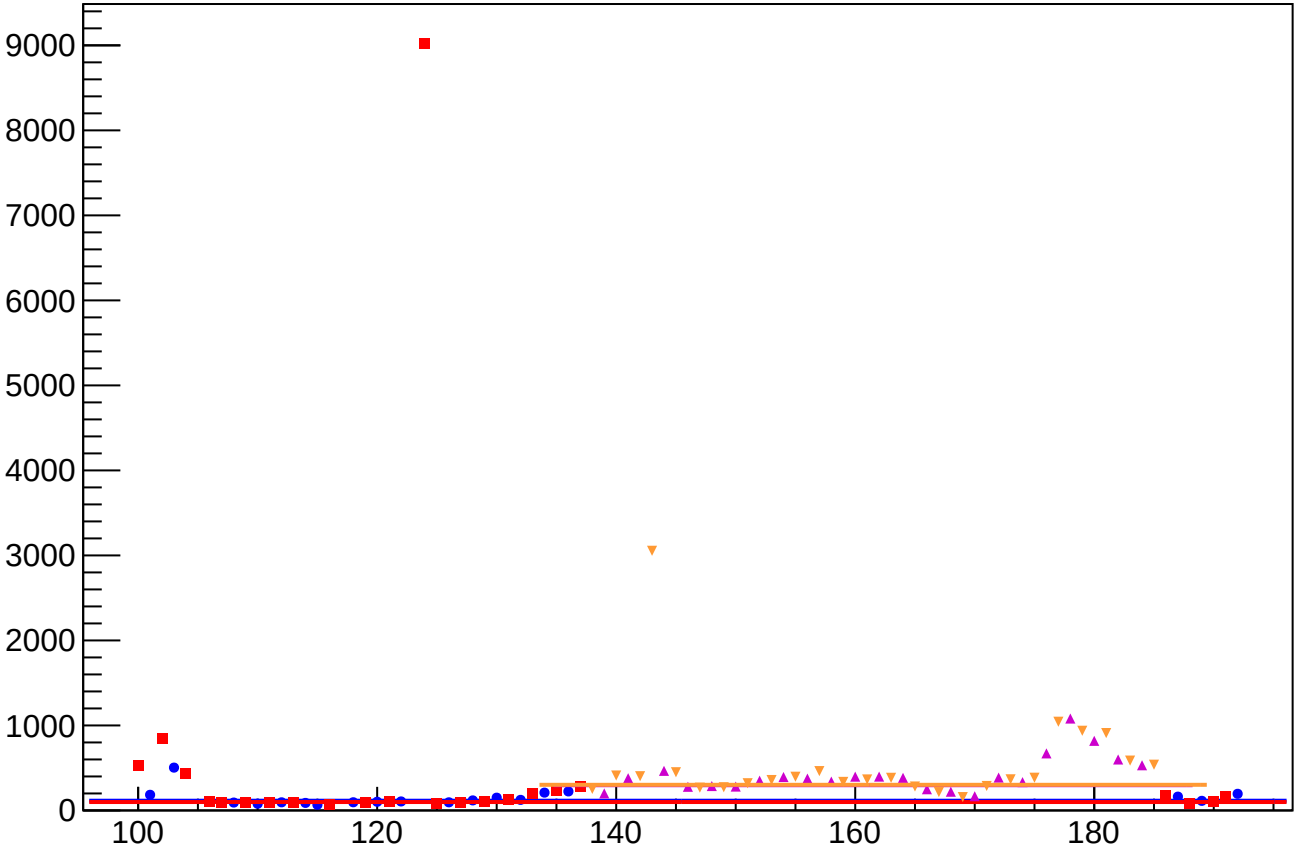
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.056+/-0.037 χ^2/NDF: 43.9/43

All: 0.011+/-0.025 χ^2/NDF: 99.7/89

- sign -0.025+/-0.033 χ^2/NDF: 53.1/45

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 114.467+/-0.030 χ^2/NDF: 2292319.8/18

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

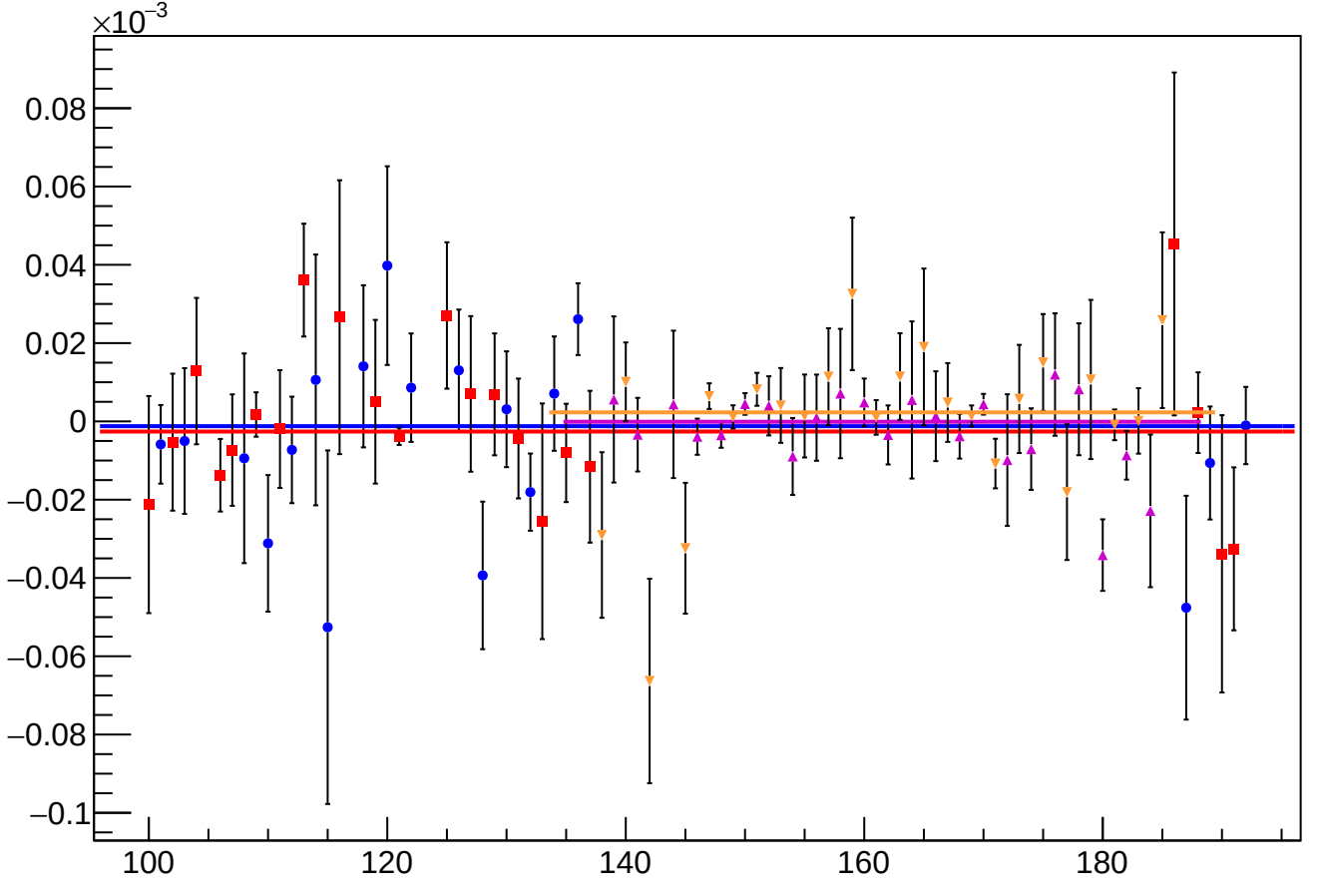
Right Out: 99.118+/-0.026 χ^2/NDF: 2974902.9/22

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 158.073+/-0.026 χ^2/NDF: 18076908.3/43

All: 146.637+/-0.018 χ^2/NDF: 37307013.6/89

- sign 137.418+/-0.024 χ^2/NDF: 18887298.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/21

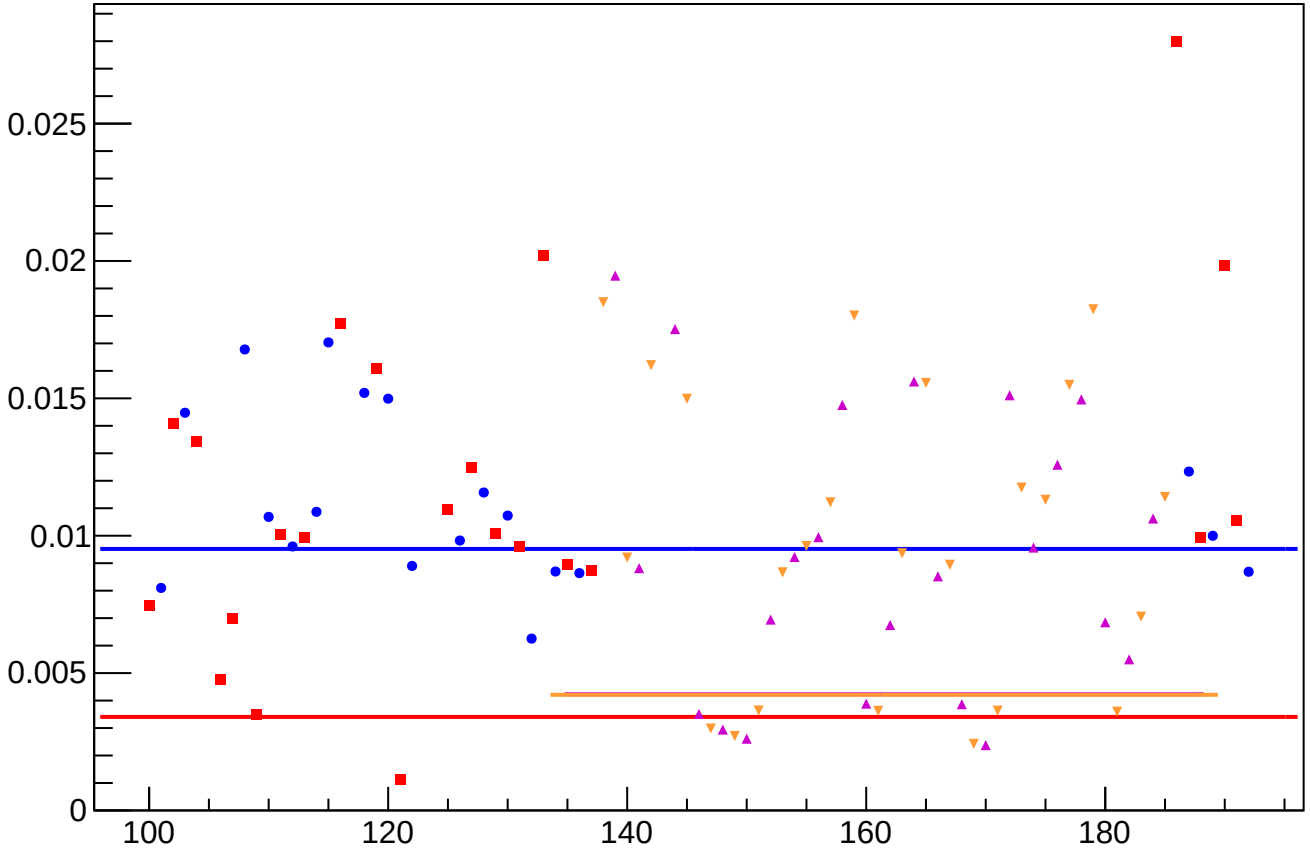
Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.9/42

All: 0.000+/-0.000 χ^2/NDF: 114.6/87

- sign -0.000+/-0.000 χ^2/NDF: 50.4/44

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



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

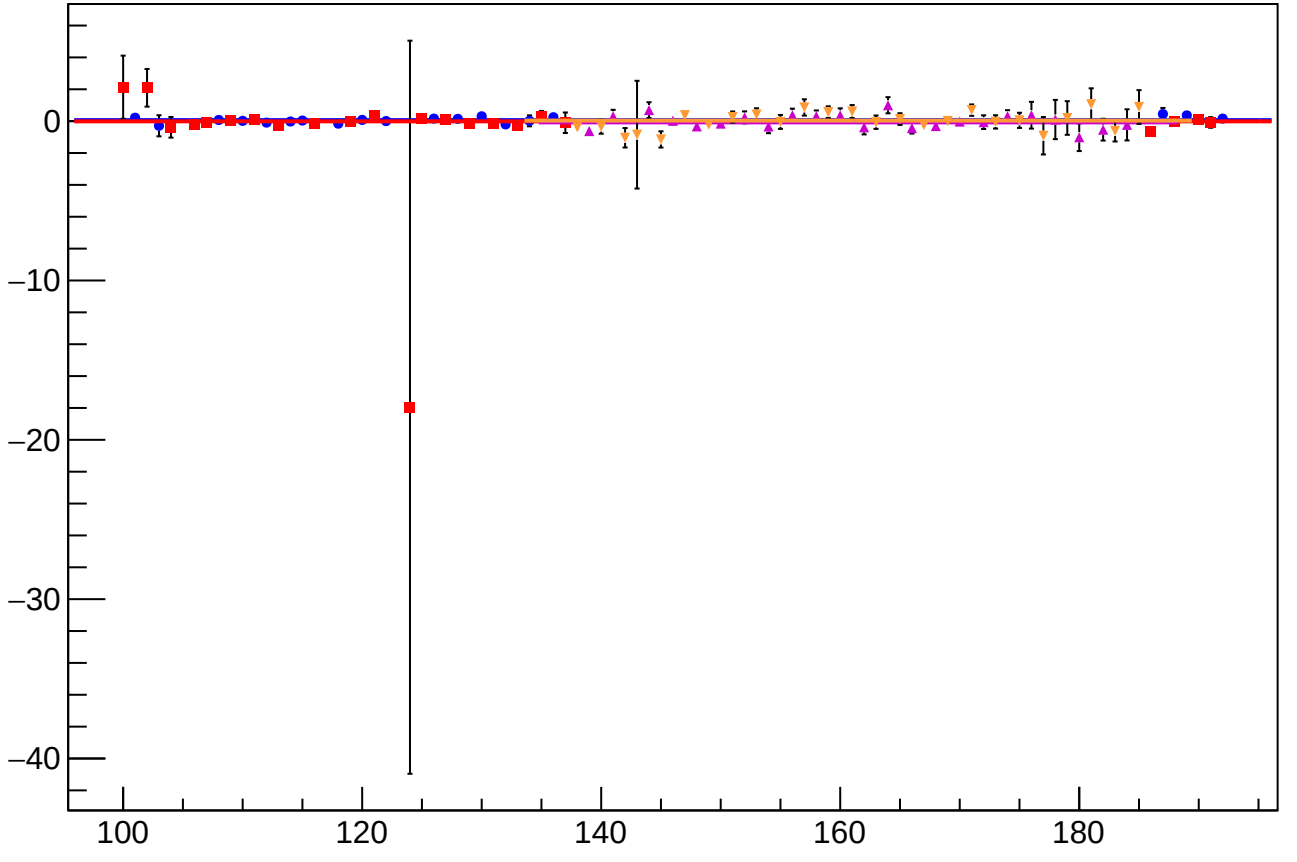
Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 17410543.6/42

All: 0.004+/-0.000 χ^2/NDF: 39675131.1/87

- sign 0.004+/-0.000 χ^2/NDF: 21604425.5/44

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

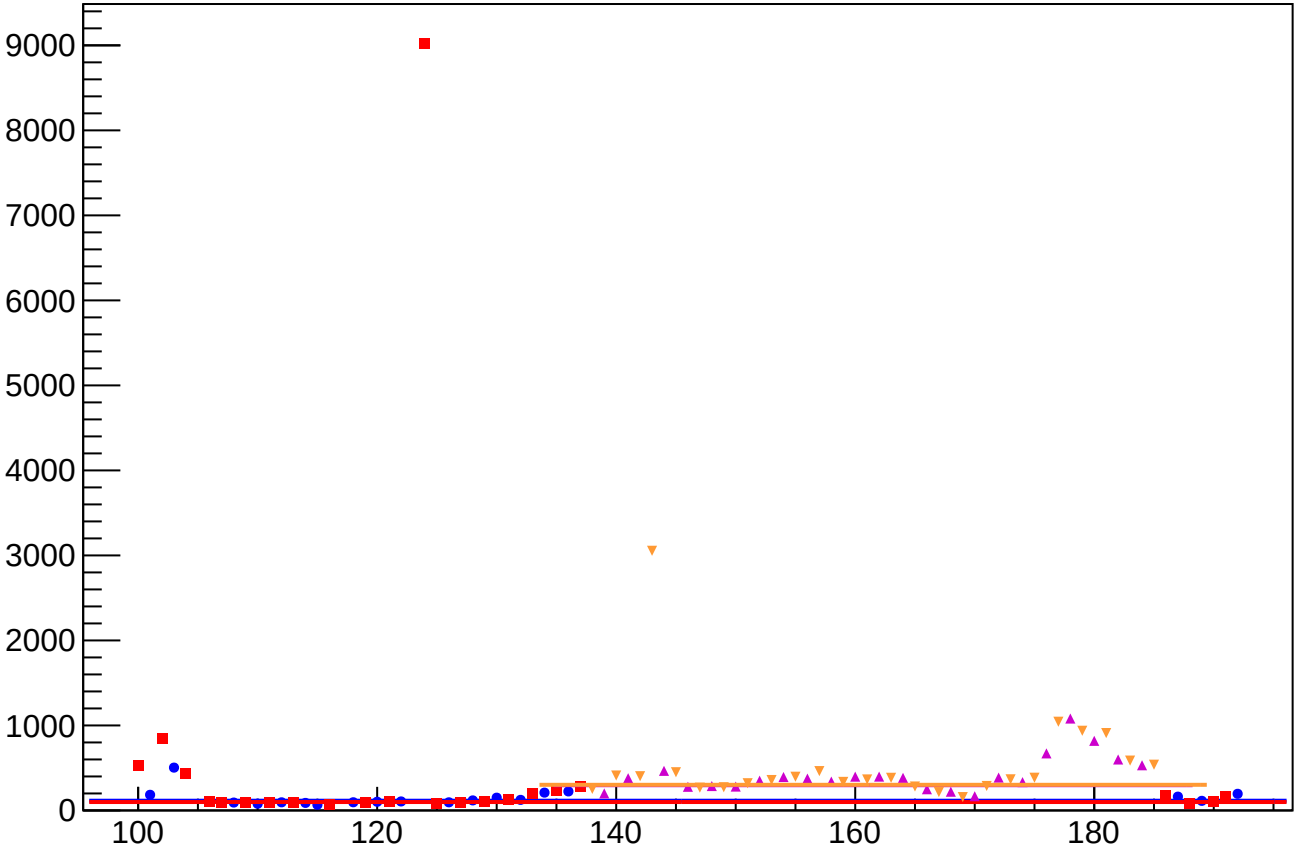
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.056+/-0.037 χ^2/NDF: 43.9/43

All: 0.011+/-0.025 χ^2/NDF: 99.7/89

- sign -0.025+/-0.033 χ^2/NDF: 53.1/45

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 114.467+/-0.030 χ^2/NDF: 2292249.4/18

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

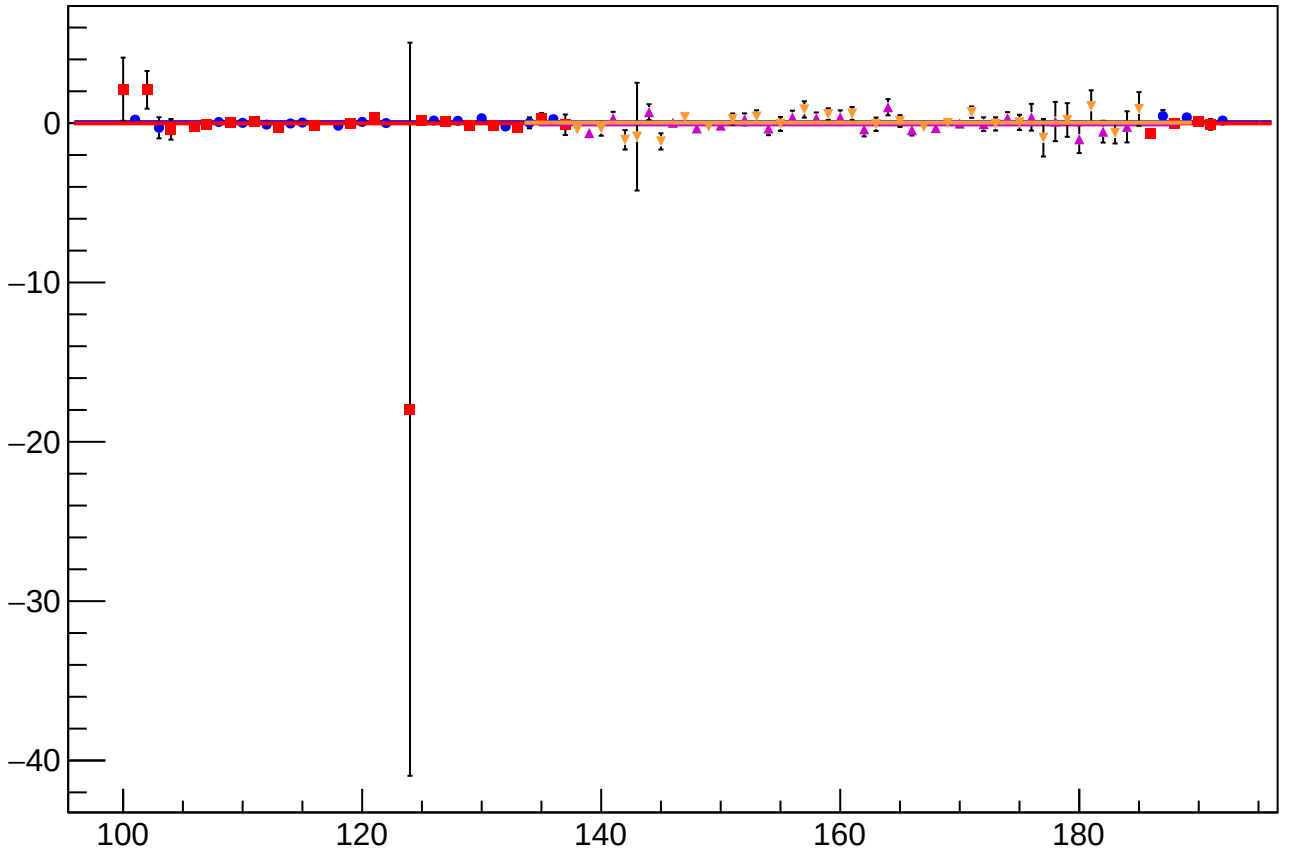
Right Out: 99.119+/-0.026 χ^2/NDF: 2974762.0/22

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 158.074+/-0.026 χ^2/NDF: 18076947.6/43

All: 146.637+/-0.018 χ^2/NDF: 37306949.7/89

- sign 137.419+/-0.024 χ^2/NDF: 18887211.8/45



Right In: 0.062+/-0.042 χ^2/NDF: 14.1/18

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

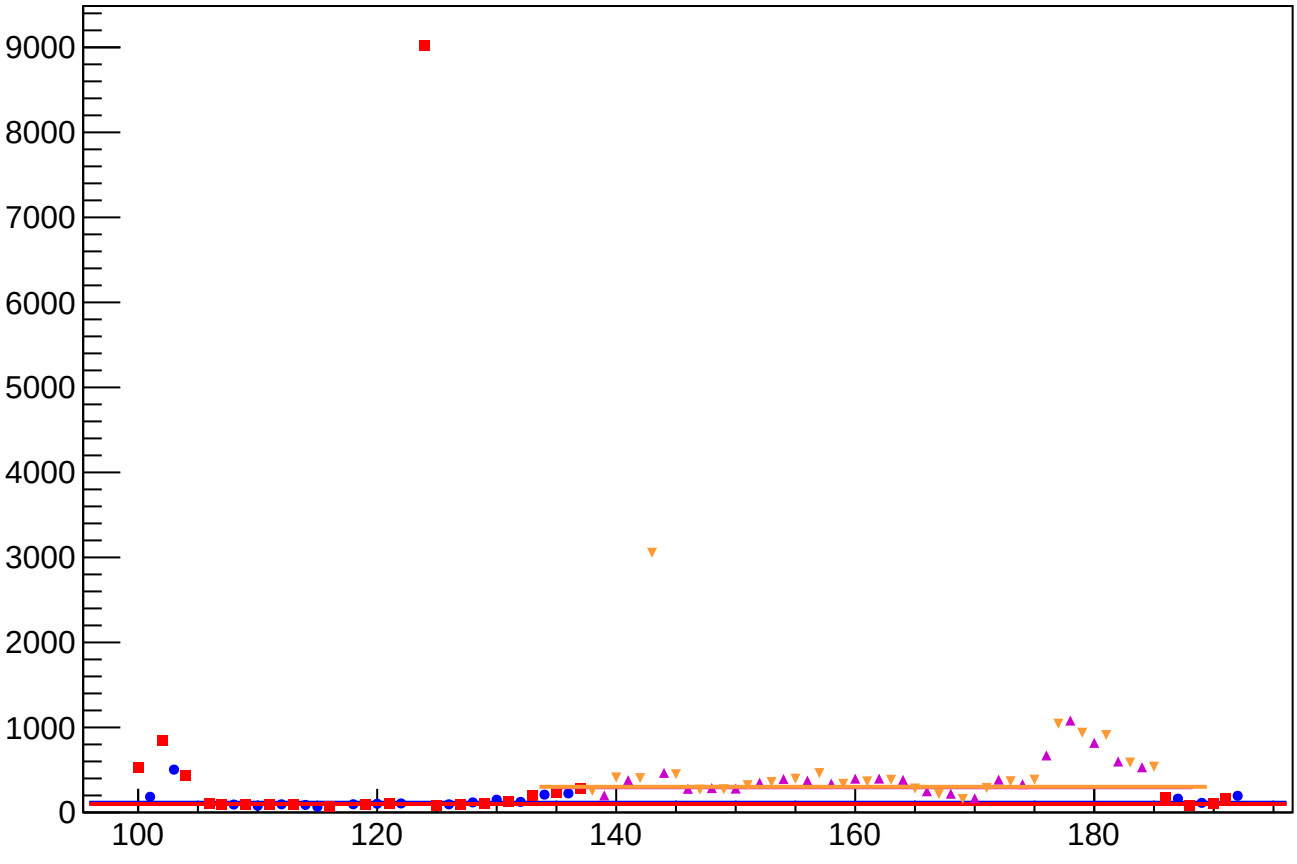
Right Out: -0.012+/-0.037 χ^2/NDF: 28.4/22

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.056+/-0.037 χ^2/NDF: 43.9/43

All: 0.011+/-0.025 χ^2/NDF: 99.7/89

- sign -0.025+/-0.033 χ^2/NDF: 53.1/45



Right In: 114.467+/-0.030 χ^2/NDF: 2292249.4/18

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

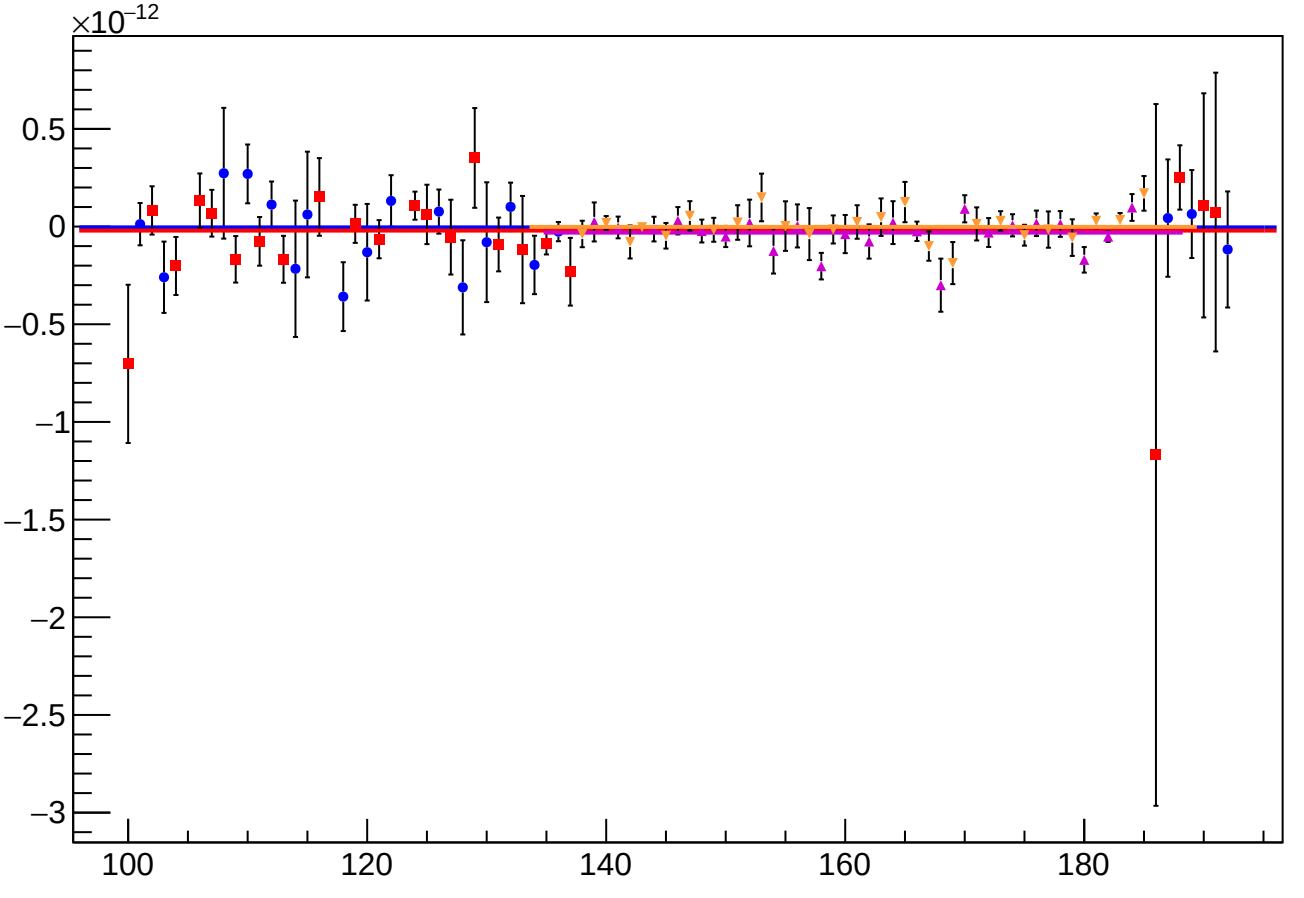
Right Out: 99.119+/-0.026 χ^2/NDF: 2974762.0/22

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 158.074+/-0.026 χ^2/NDF: 18076947.6/43

All: 146.637+/-0.018 χ^2/NDF: 37306949.7/89

- sign 137.419+/-0.024 χ^2/NDF: 18887211.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

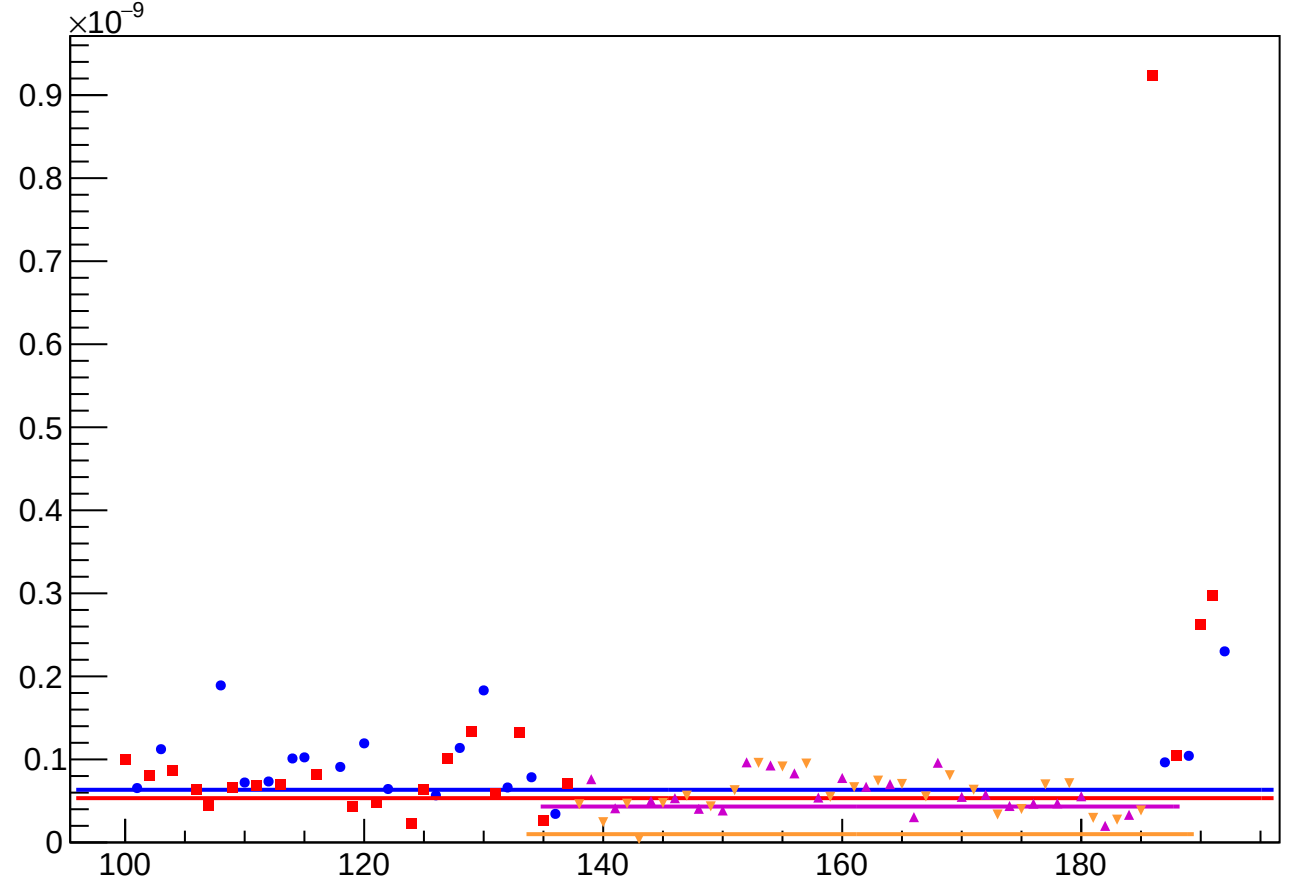
Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/22

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/43

All: -0.000+/-0.000 χ^2/NDF: 89.3/89

- sign -0.000+/-0.000 χ^2/NDF: 49.4/45



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

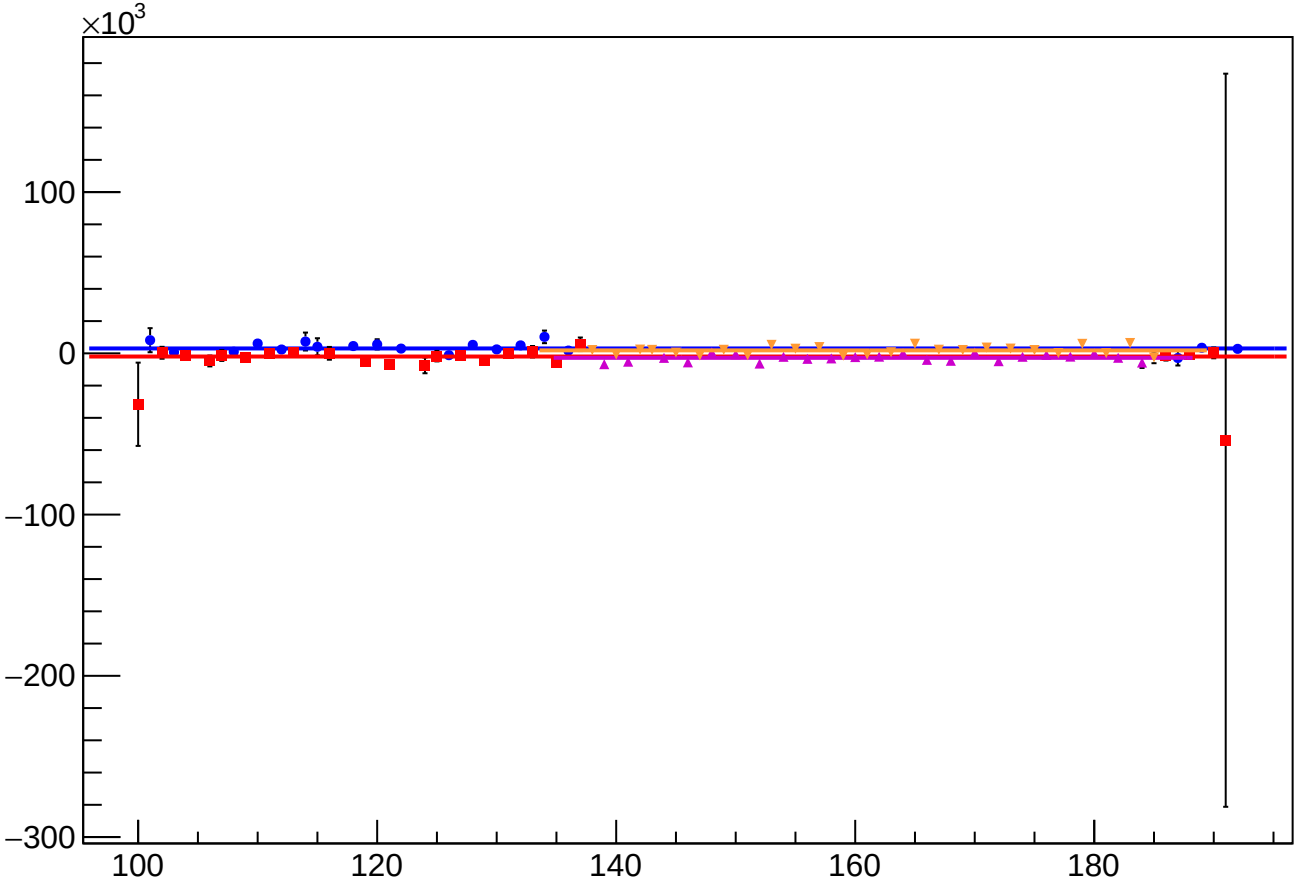
Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 26753229.2/43

All: 0.000+/-0.000 χ^2/NDF: 47558355.6/89

- sign 0.000+/-0.000 χ^2/NDF: 7123475.5/45

reg_asym_atr_avg_mean vs Slug



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

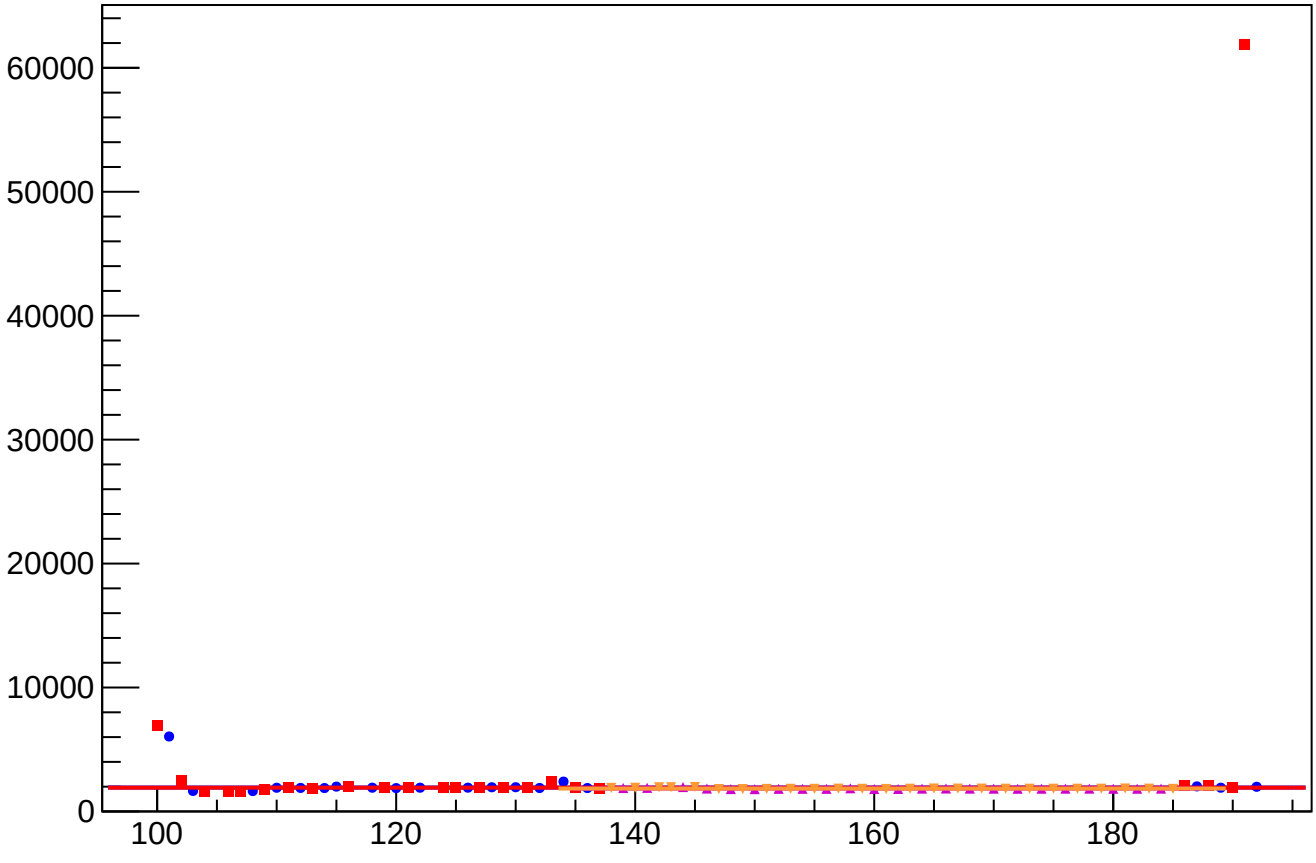
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2195.087+/-354.103 χ^2/NDF: 47.2/43

All: -136.251+/-251.989 χ^2/NDF: 179.1/89

- sign -2528.162+/-358.673 χ^2/NDF: 44.1/45

reg_asym_atr_avg_rms vs Slug



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

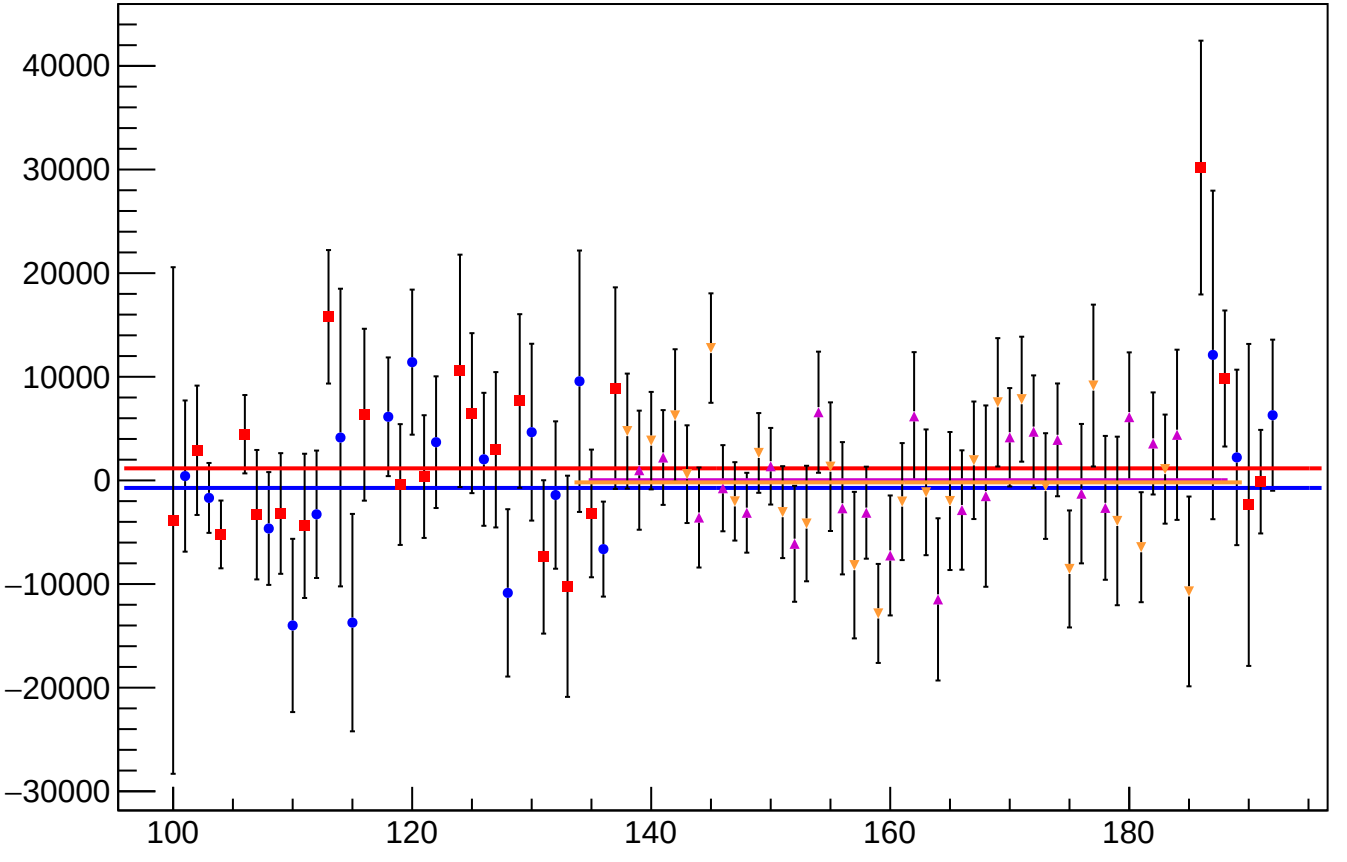
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1871.859+/-0.250 χ^2/NDF: 742623.1/43

All: 1870.136+/-0.178 χ^2/NDF: 1171832.6/89

- sign 1868.372+/-0.253 χ^2/NDF: 429113.6/45

asym_atr_avg_reg_correction_mean vs Slug



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

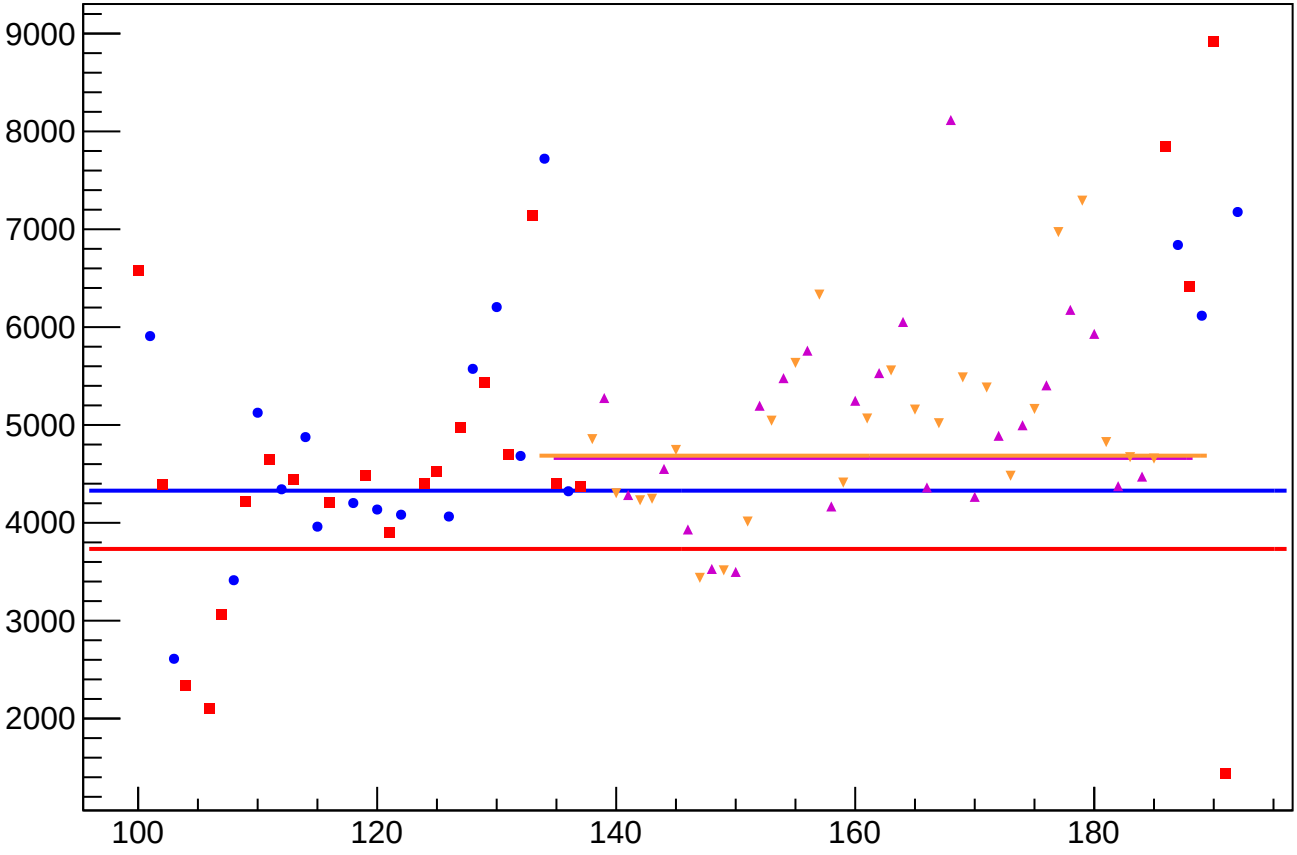
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -372.099+/-884.435 χ^2/NDF: 45.1/43

All: 71.737+/-614.957 χ^2/NDF: 84.7/89

- sign 487.144+/-855.641 χ^2/NDF: 39.1/45

asym_atr_avg_reg_correction_rms vs Slug



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

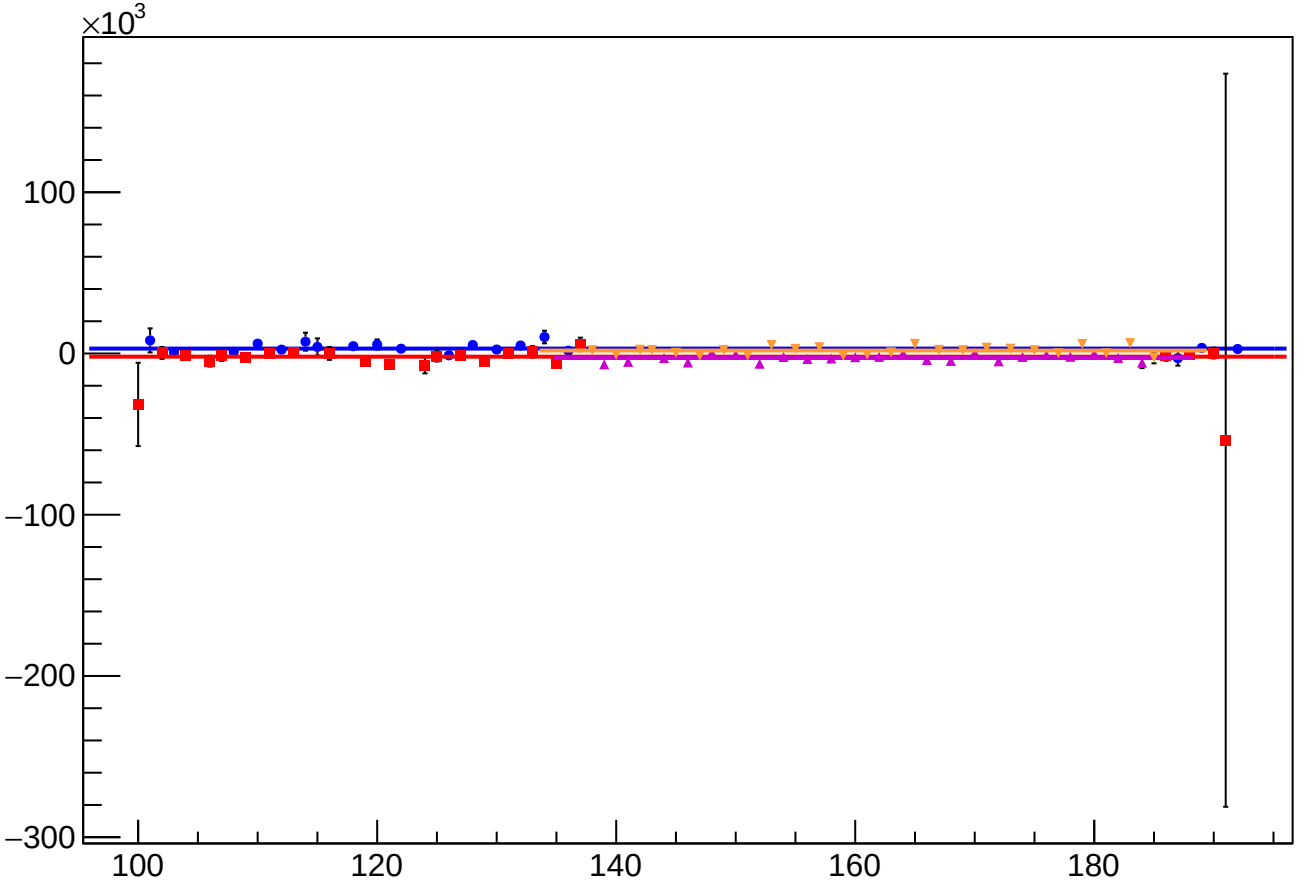
Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4564.759+/-0.625 χ^2/NDF: 2698606.7/43

All: 4419.374+/-0.435 χ^2/NDF: 7223866.9/89

- sign 4283.302+/-0.605 χ^2/NDF: 4420636.9/45

cor_asym_atr_avg_mean vs Slug



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

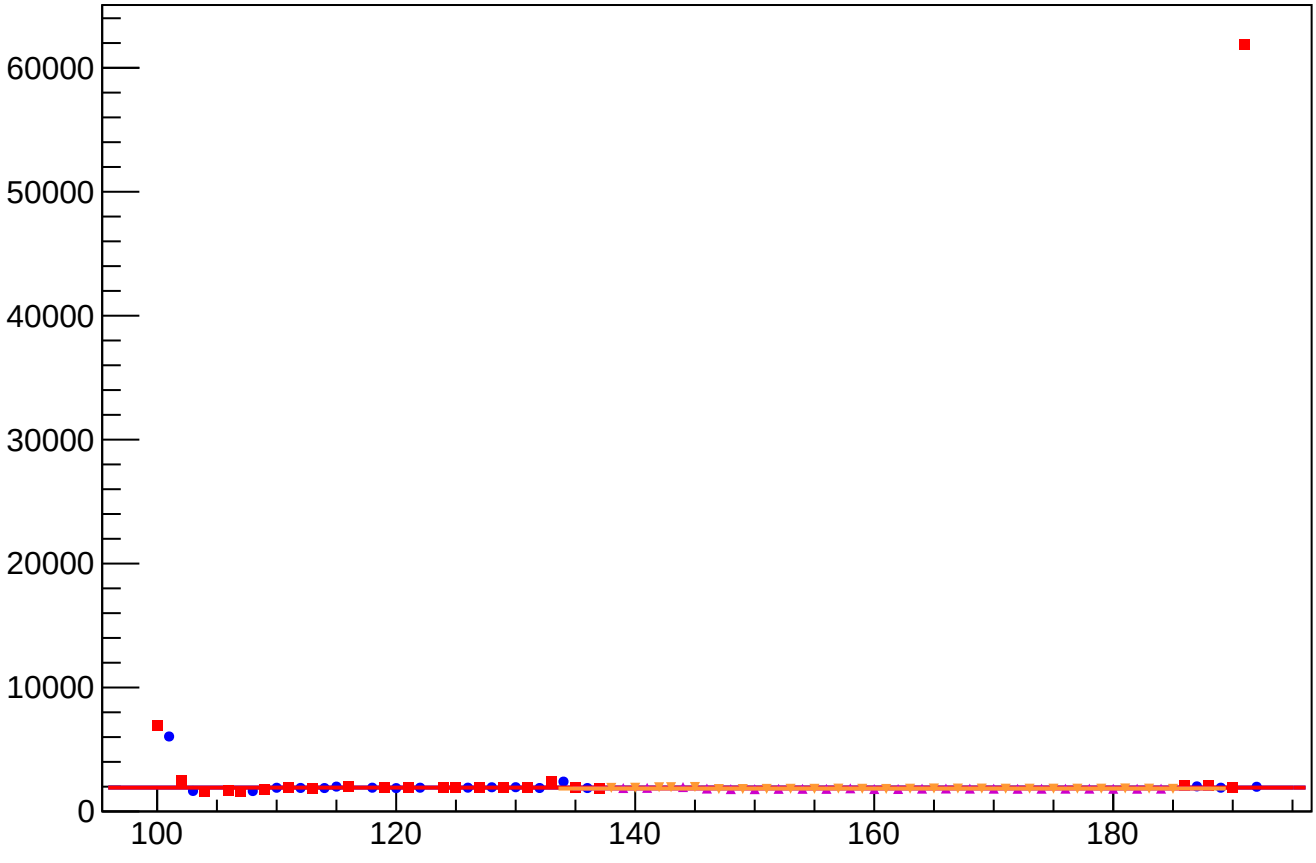
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2194.845+/-354.103 χ^2/NDF: 47.2/43

All: -136.499+/-251.989 χ^2/NDF: 179.1/89

- sign -2528.423+/-358.674 χ^2/NDF: 44.1/45

cor_asym_atr_avg_rms vs Slug



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

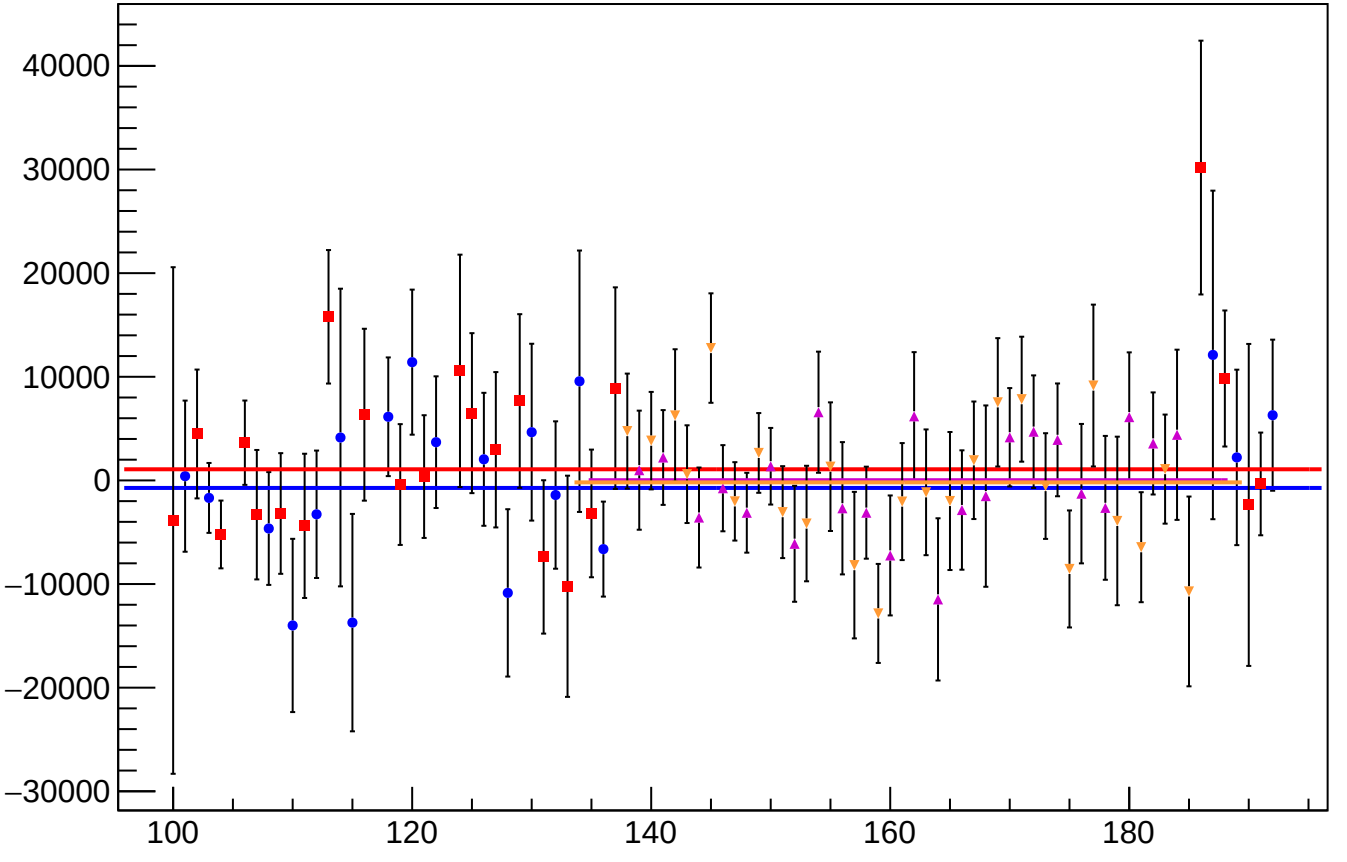
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1871.859+/-0.250 χ^2/NDF: 742622.4/43

All: 1870.629+/-0.178 χ^2/NDF: 1166060.0/89

- sign 1869.367+/-0.254 χ^2/NDF: 423388.7/45

asym_atr_avg_cor_correction_mean vs Slug



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

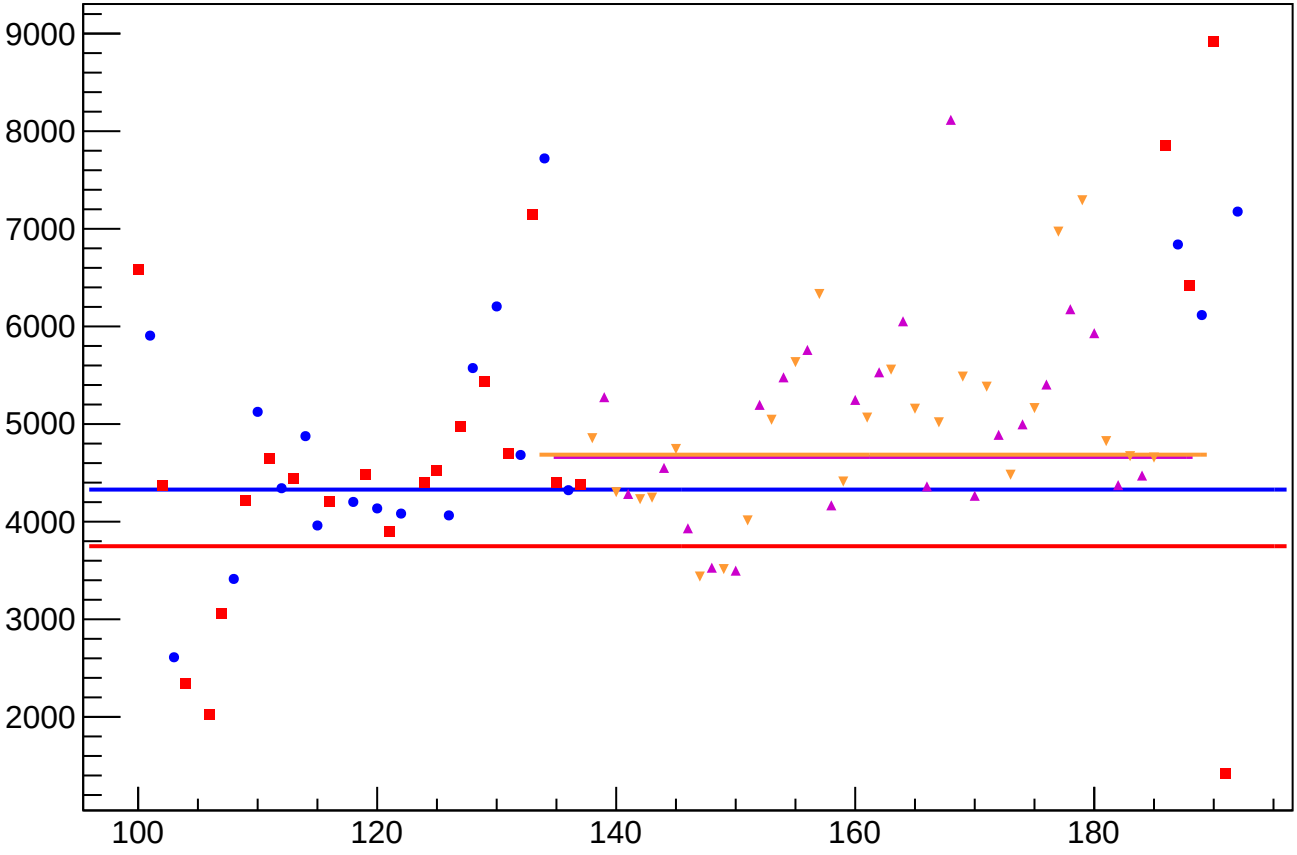
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -372.229+/-884.435 χ^2/NDF: 45.1/43

All: 49.234+/-615.967 χ^2/NDF: 84.4/89

- sign 446.220+/-858.369 χ^2/NDF: 38.9/45

asym_atr_avg_cor_correction_rms vs Slug



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

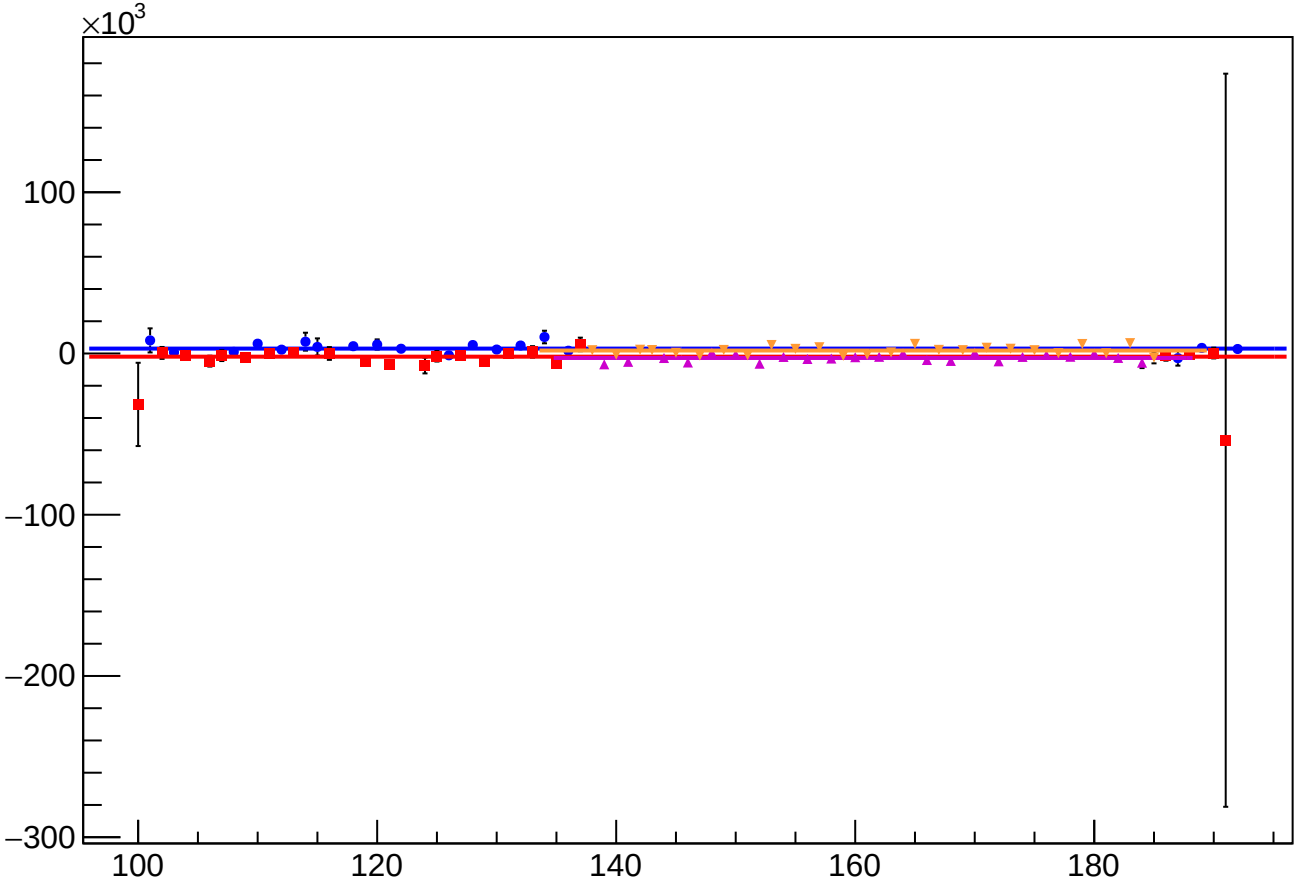
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

\+ sign 4564.784+/-0.625 χ^2/NDF: 2698062.9/43

All: 4424.878+/-0.436 χ^2/NDF: 7182578.2/89

\- sign 4293.099+/-0.607 χ^2/NDF: 4387330.5/45

eigen_cor_asym_atr_avg_mean vs Slug



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

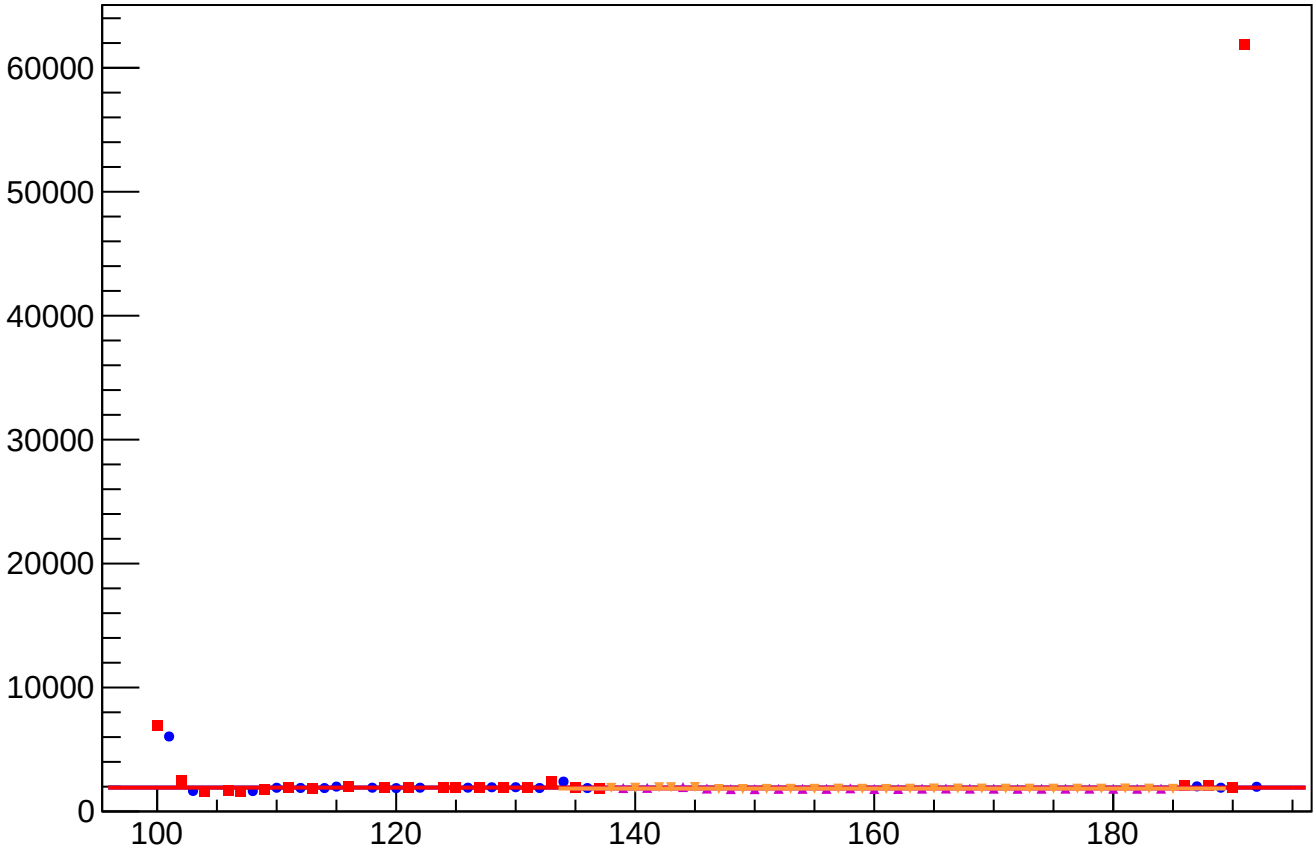
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2194.845+/-354.103 χ^2/NDF: 47.2/43

All: -136.499+/-251.989 χ^2/NDF: 179.1/89

- sign -2528.423+/-358.674 χ^2/NDF: 44.1/45

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1929.218+/-0.466 χ^2/NDF: 700384.7/18

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

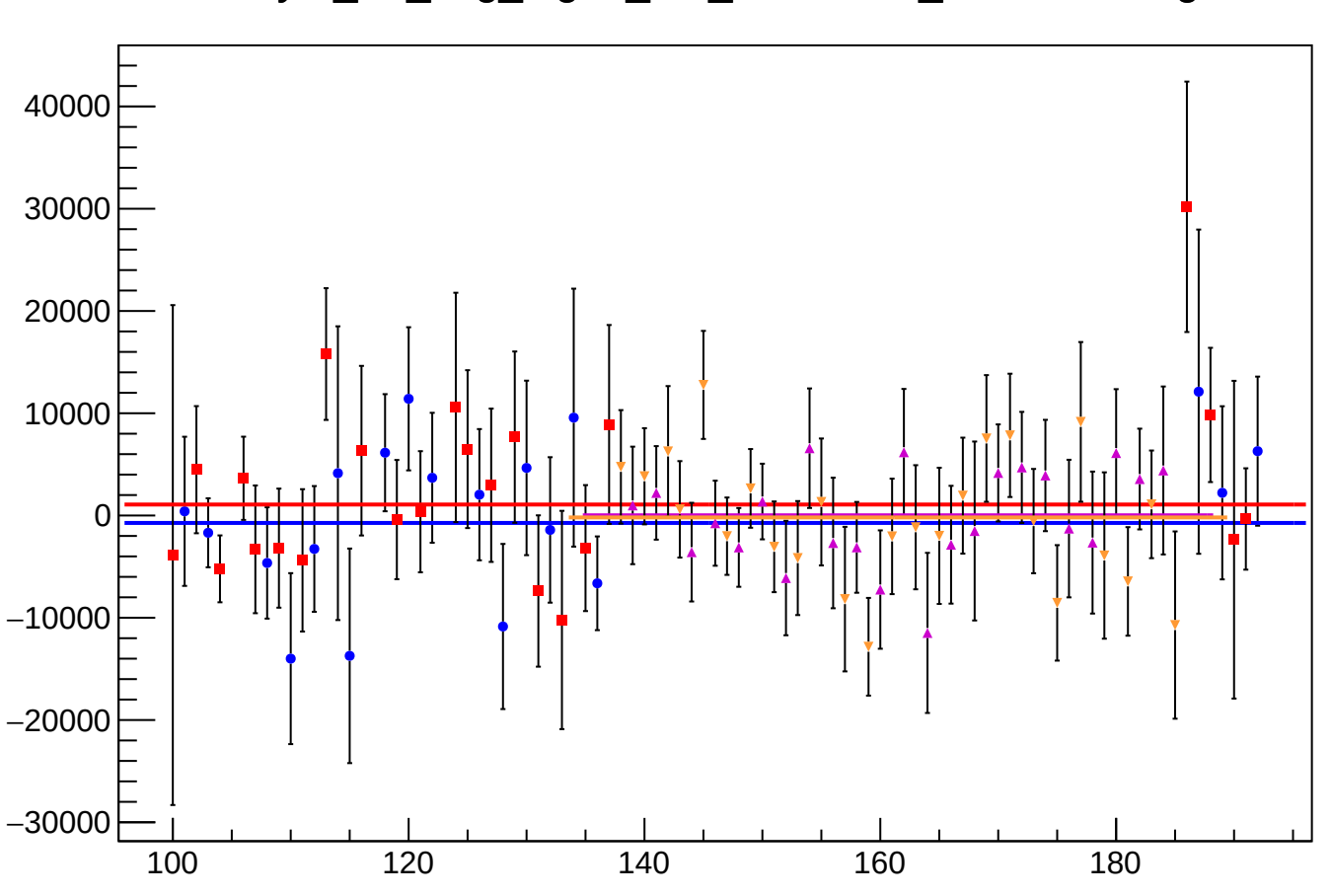
Right Out: 1924.080+/-0.457 χ^2/NDF: 388671.1/22

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1871.859+/-0.250 χ^2/NDF: 742622.4/43

All: 1870.629+/-0.178 χ^2/NDF: 1166060.0/89

- sign 1869.367+/-0.254 χ^2/NDF: 423388.7/45



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

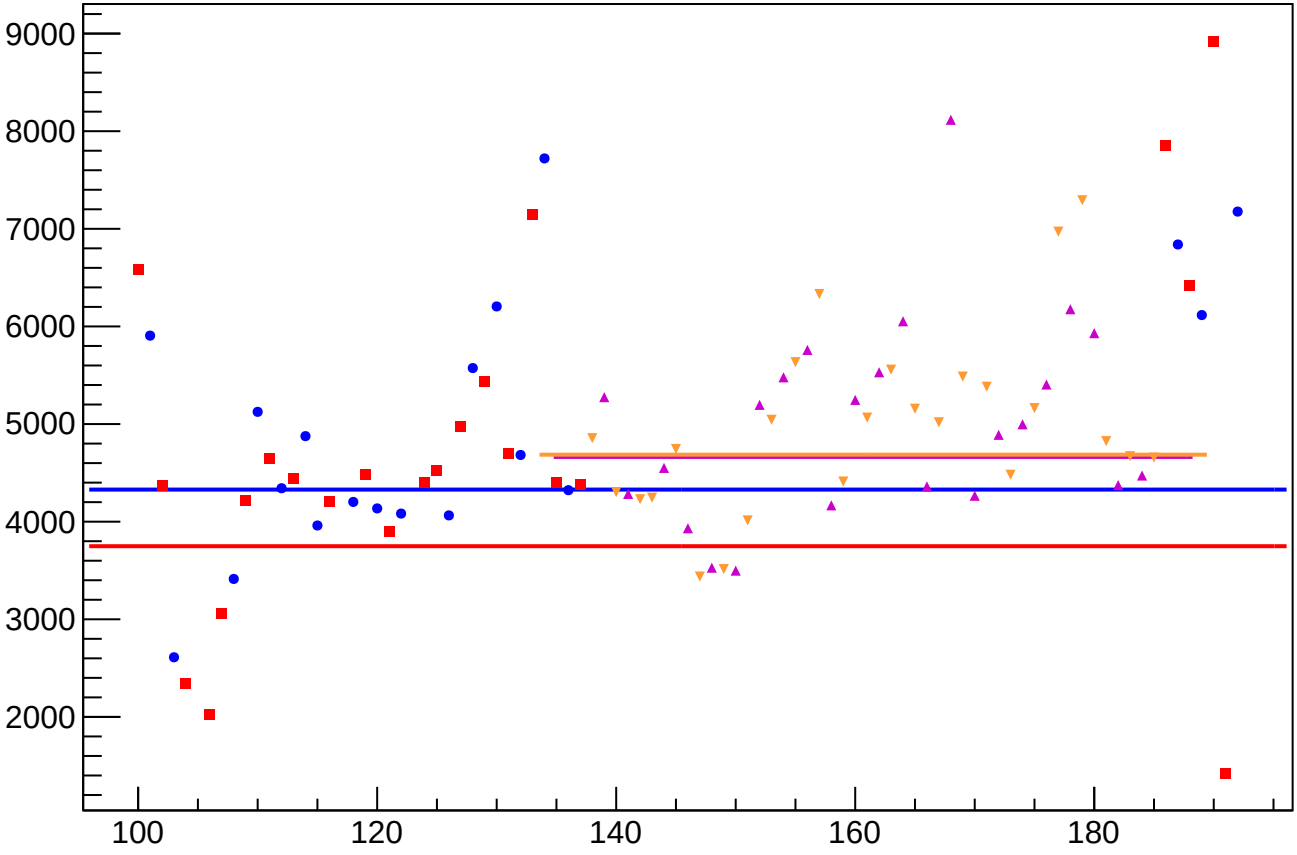
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -372.229+/-884.435 χ^2/NDF: 45.1/43

All: 49.234+/-615.967 χ^2/NDF: 84.4/89

- sign 446.220+/-858.369 χ^2/NDF: 38.9/45

asym_atr_avg_eigen_cor_correction_rms vs Slug



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

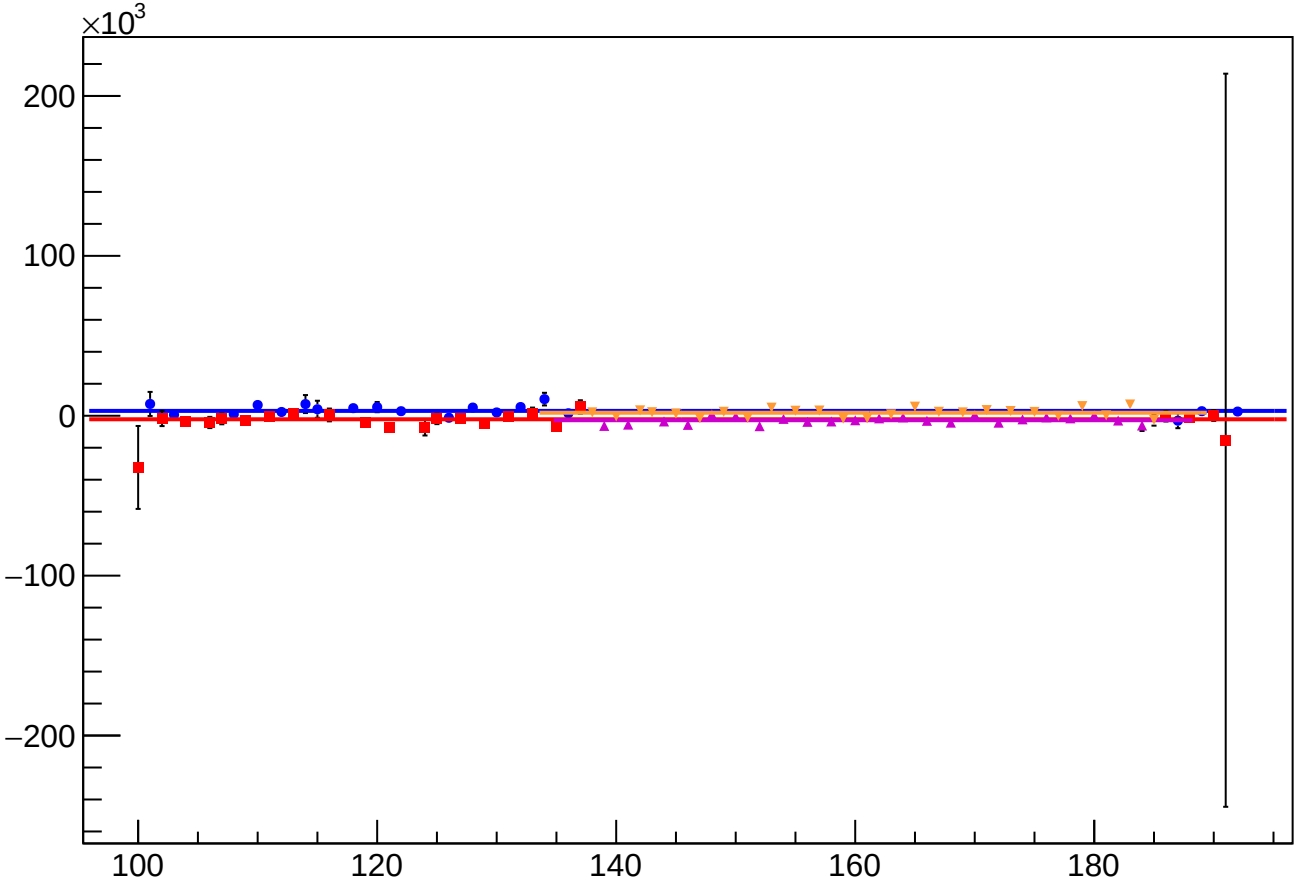
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

\+ sign 4564.784+/-0.625 χ^2/NDF: 2698062.9/43

All: 4424.878+/-0.436 χ^2/NDF: 7182578.2/89

\- sign 4293.099+/-0.607 χ^2/NDF: 4387330.5/45

dit_asym_atr_avg_mean vs Slug



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

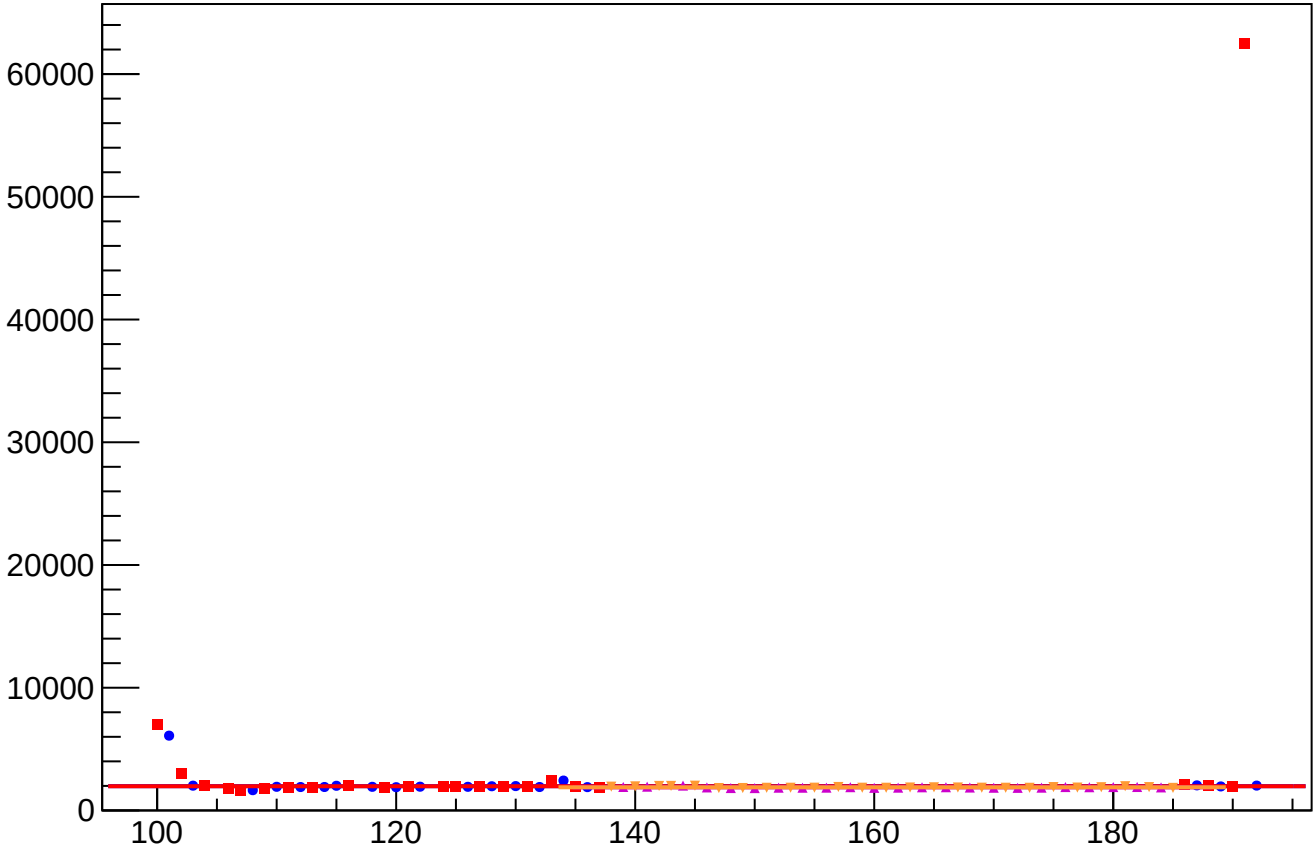
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2213.905+/-362.069 χ^2/NDF: 49.0/43

All: -172.113+/-257.624 χ^2/NDF: 181.4/89

- sign -2618.852+/-366.647 χ^2/NDF: 44.4/45

dit_asym_atr_avg_rms vs Slug



Right In: 1979.699+/-0.477 χ^2/NDF: 666740.7/18

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

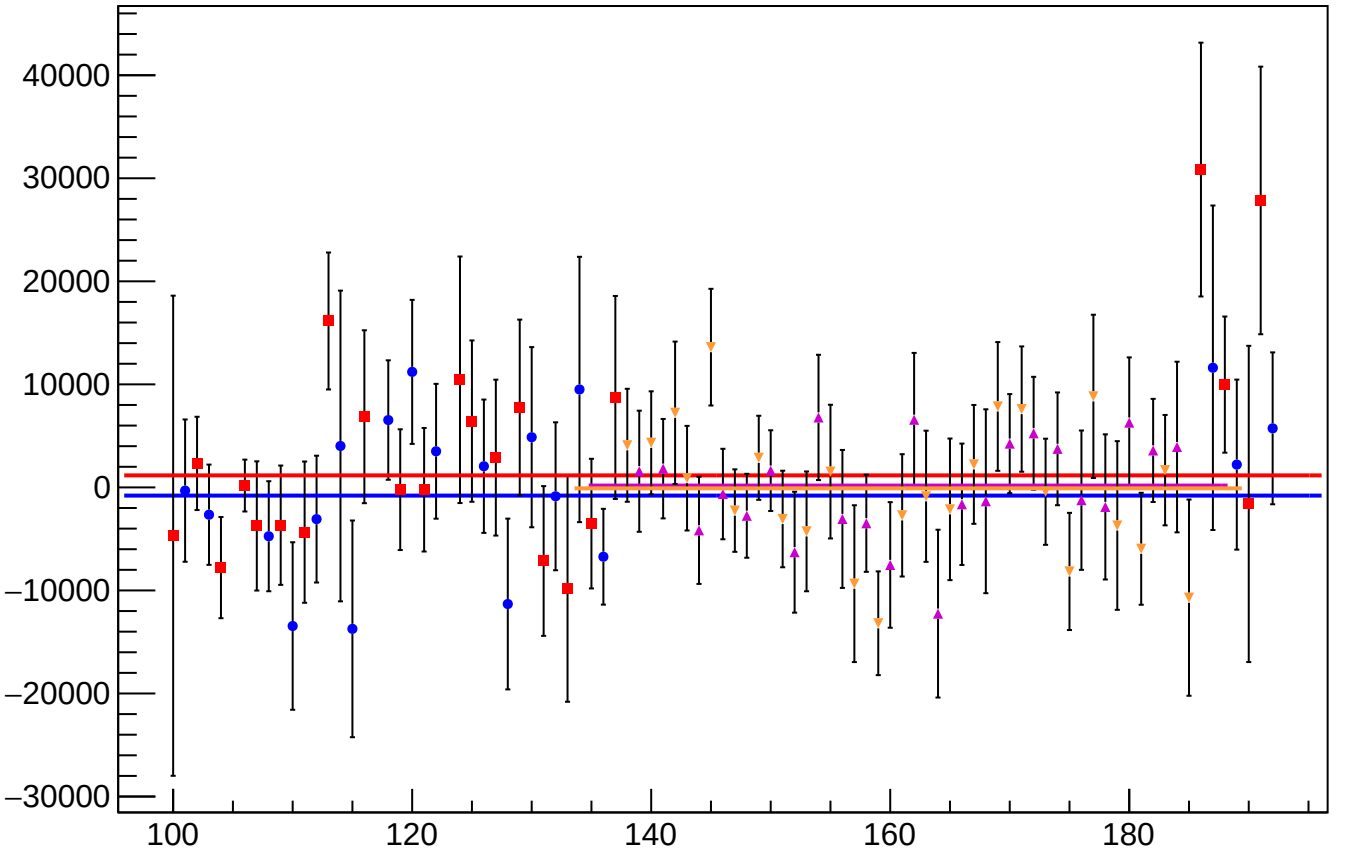
Right Out: 1972.354+/-0.470 χ^2/NDF: 412318.1/22

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1914.051+/-0.256 χ^2/NDF: 725243.1/43

All: 1911.276+/-0.182 χ^2/NDF: 1183340.1/89

- sign 1908.431+/-0.259 χ^2/NDF: 457859.0/45



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

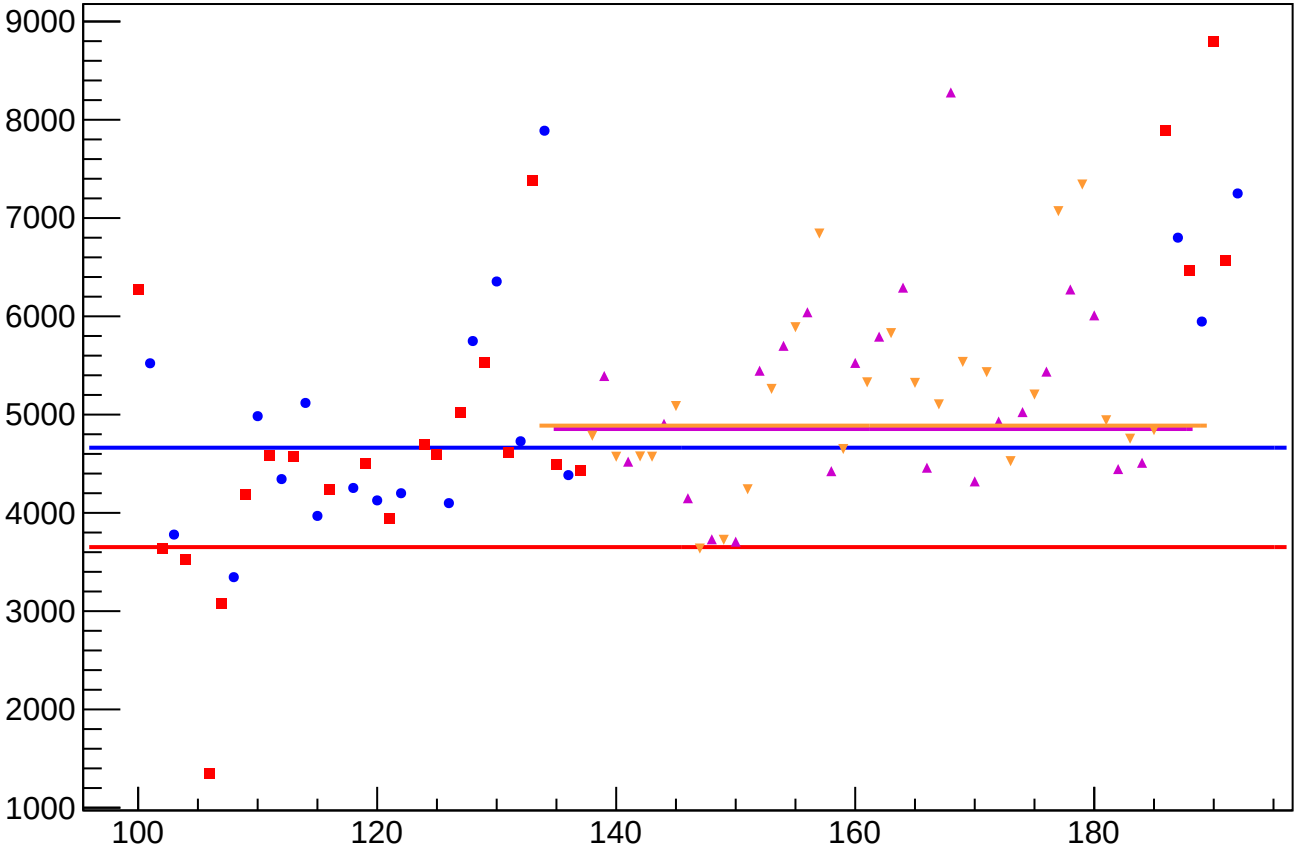
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -325.463+/-926.105 χ^2/NDF: 44.1/43

All: 171.331+/-633.515 χ^2/NDF: 86.7/89

- sign 608.261+/-868.516 χ^2/NDF: 42.1/45

asym_atr_avg_dit_correction_rms vs Slug



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

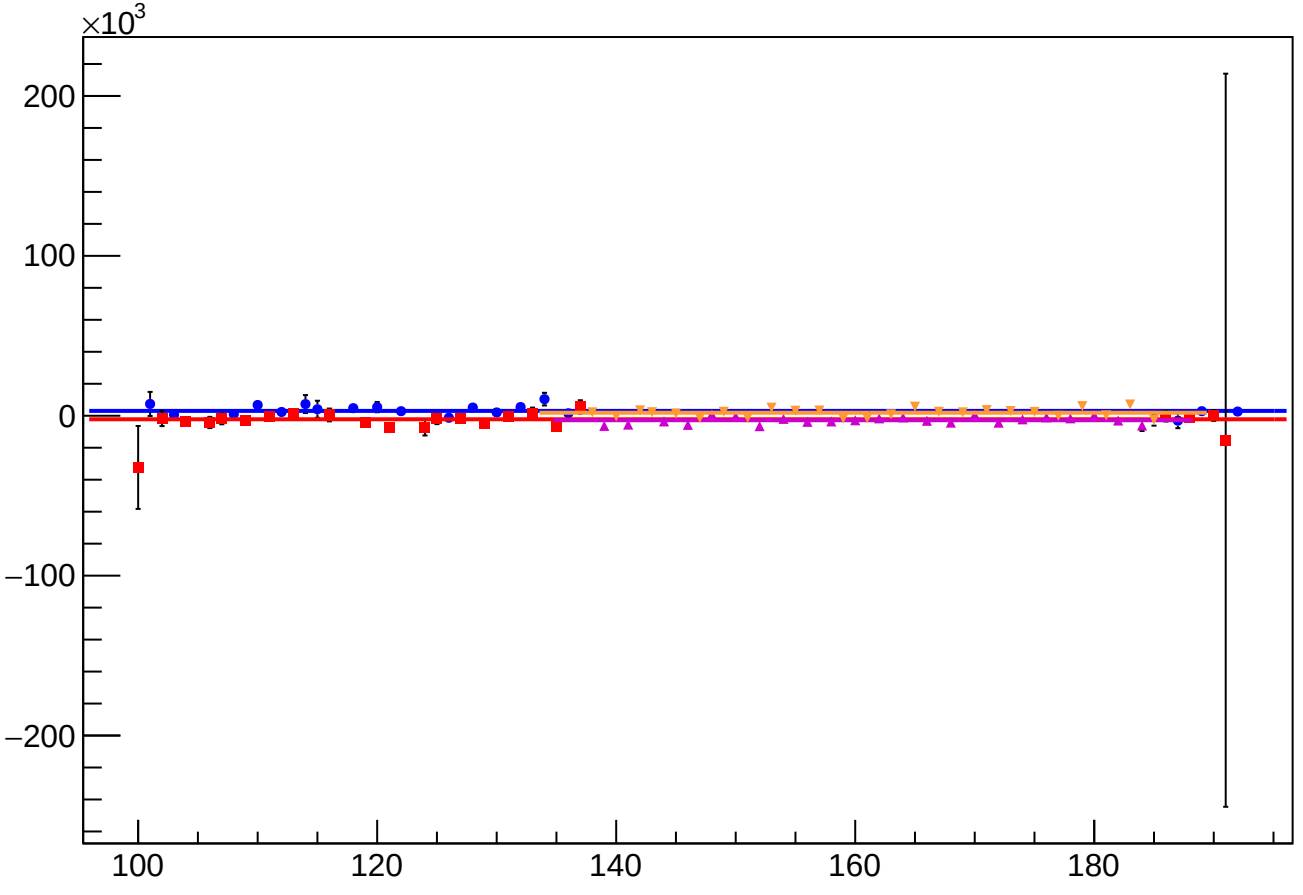
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4813.219+/-0.655 χ^2/NDF: 1947914.8/43

All: 4556.100+/-0.448 χ^2/NDF: 7673075.2/89

- sign 4329.965+/-0.614 χ^2/NDF: 5435413.9/45

eigen_dit_asym_atr_avg_mean vs Slug



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

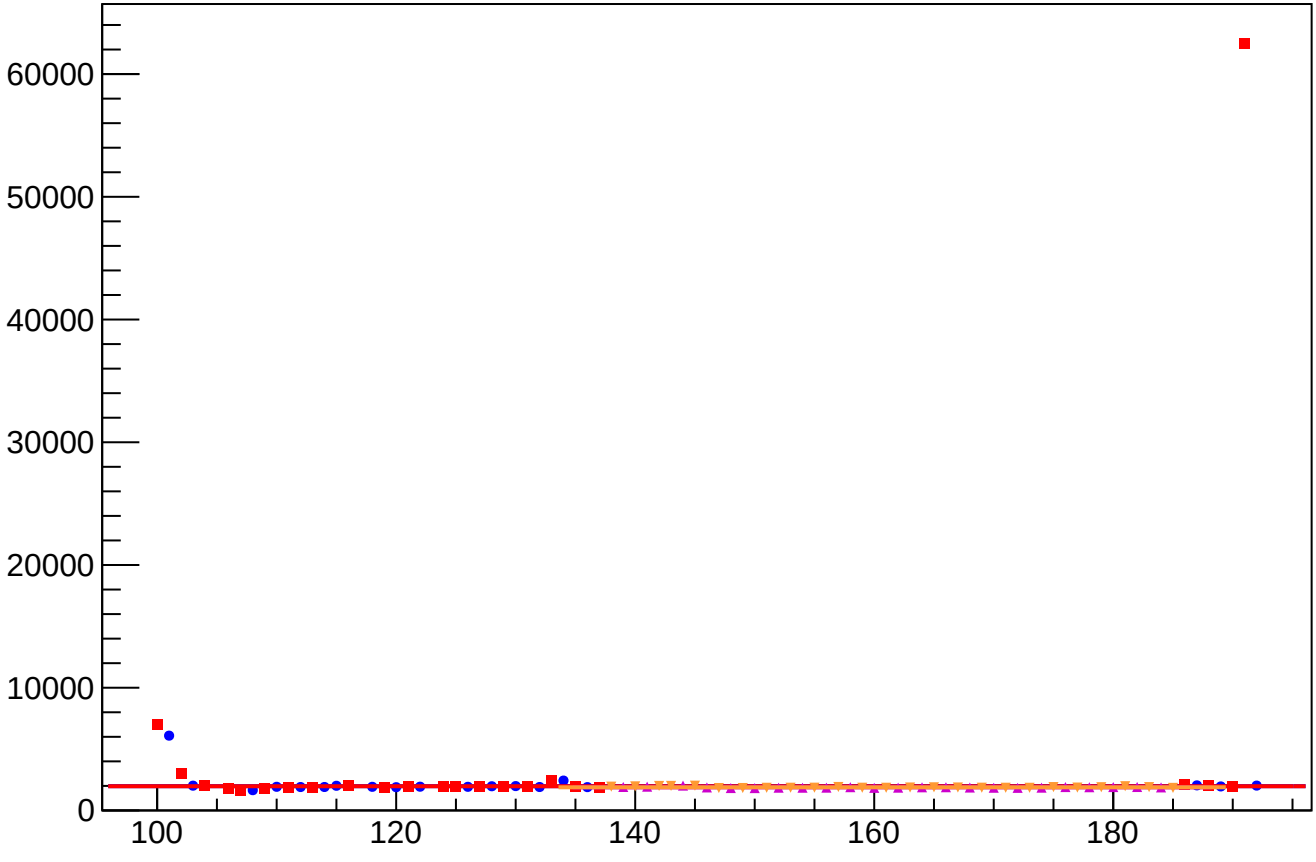
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2213.903+/-362.069 χ^2/NDF: 49.0/43

All: -172.115+/-257.625 χ^2/NDF: 181.4/89

- sign -2618.852+/-366.647 χ^2/NDF: 44.4/45

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1979.698+/-0.477 χ^2/NDF: 666740.7/18

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

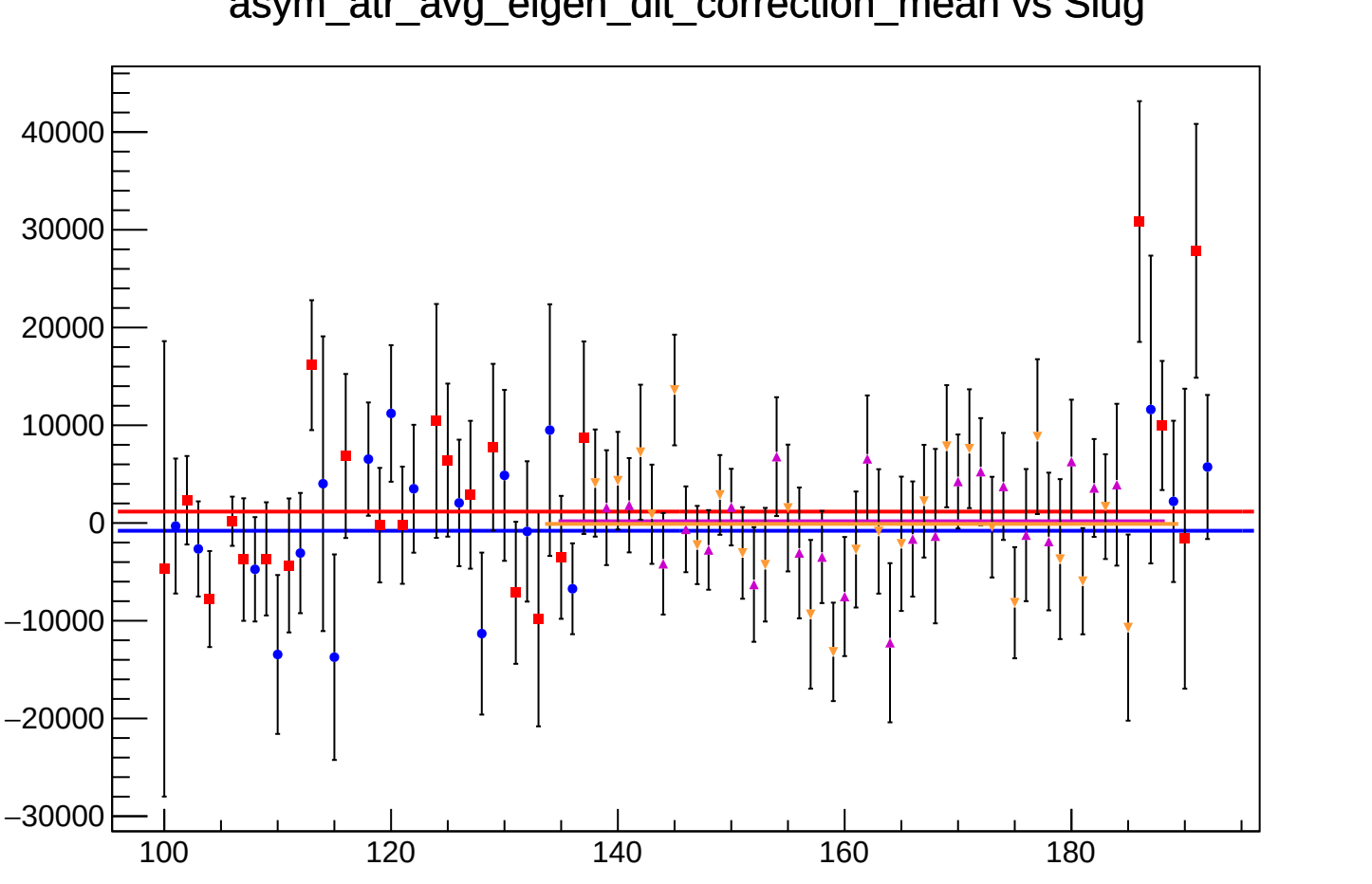
Right Out: 1972.354+/-0.470 χ^2/NDF: 412317.6/22

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1914.051+/-0.256 χ^2/NDF: 725242.5/43

All: 1911.276+/-0.182 χ^2/NDF: 1183338.3/89

- sign 1908.431+/-0.259 χ^2/NDF: 457857.9/45



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

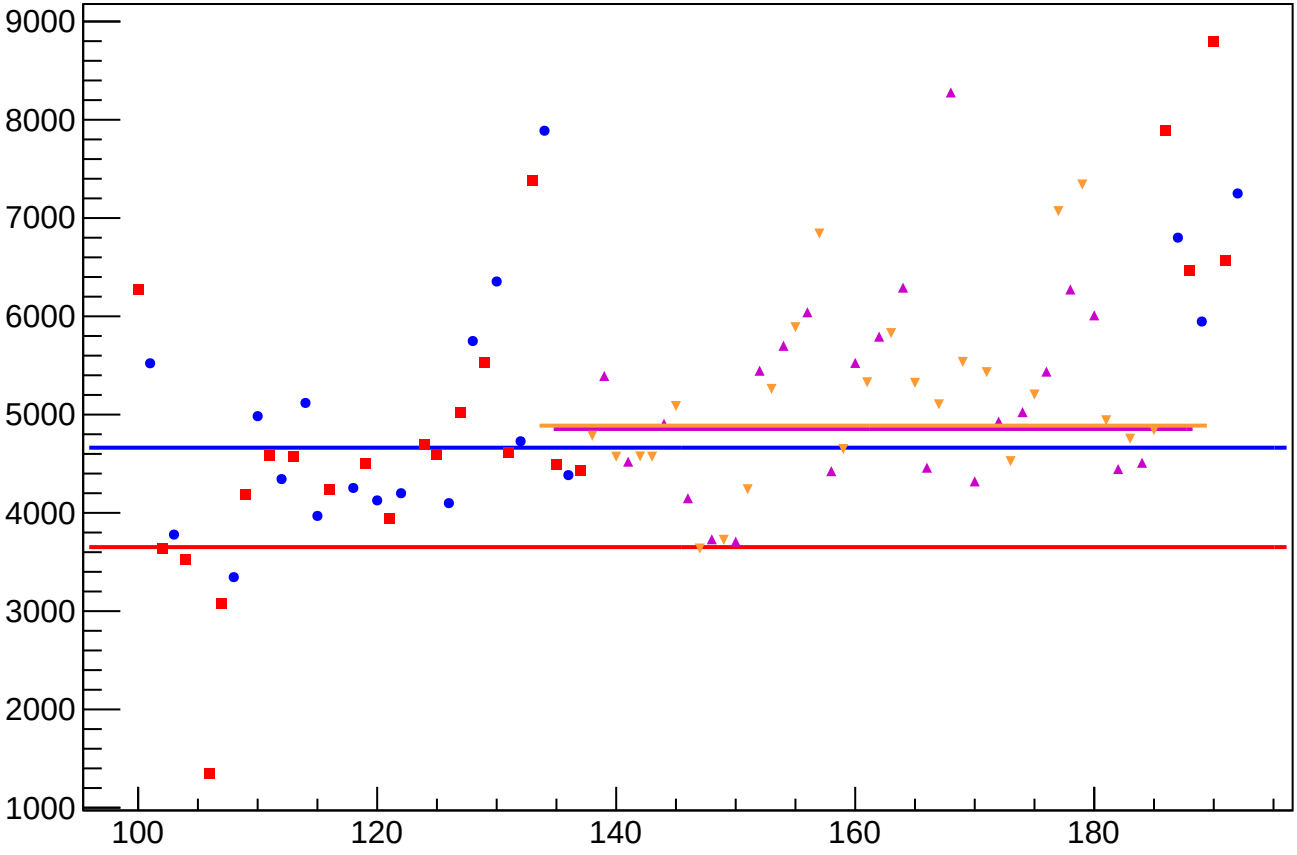
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -325.461+/-926.106 χ^2/NDF: 44.1/43

All: 171.333+/-633.515 χ^2/NDF: 86.7/89

- sign 608.263+/-868.516 χ^2/NDF: 42.1/45

asym_atr_avg_eigen_dit_correction_rms vs Slug



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

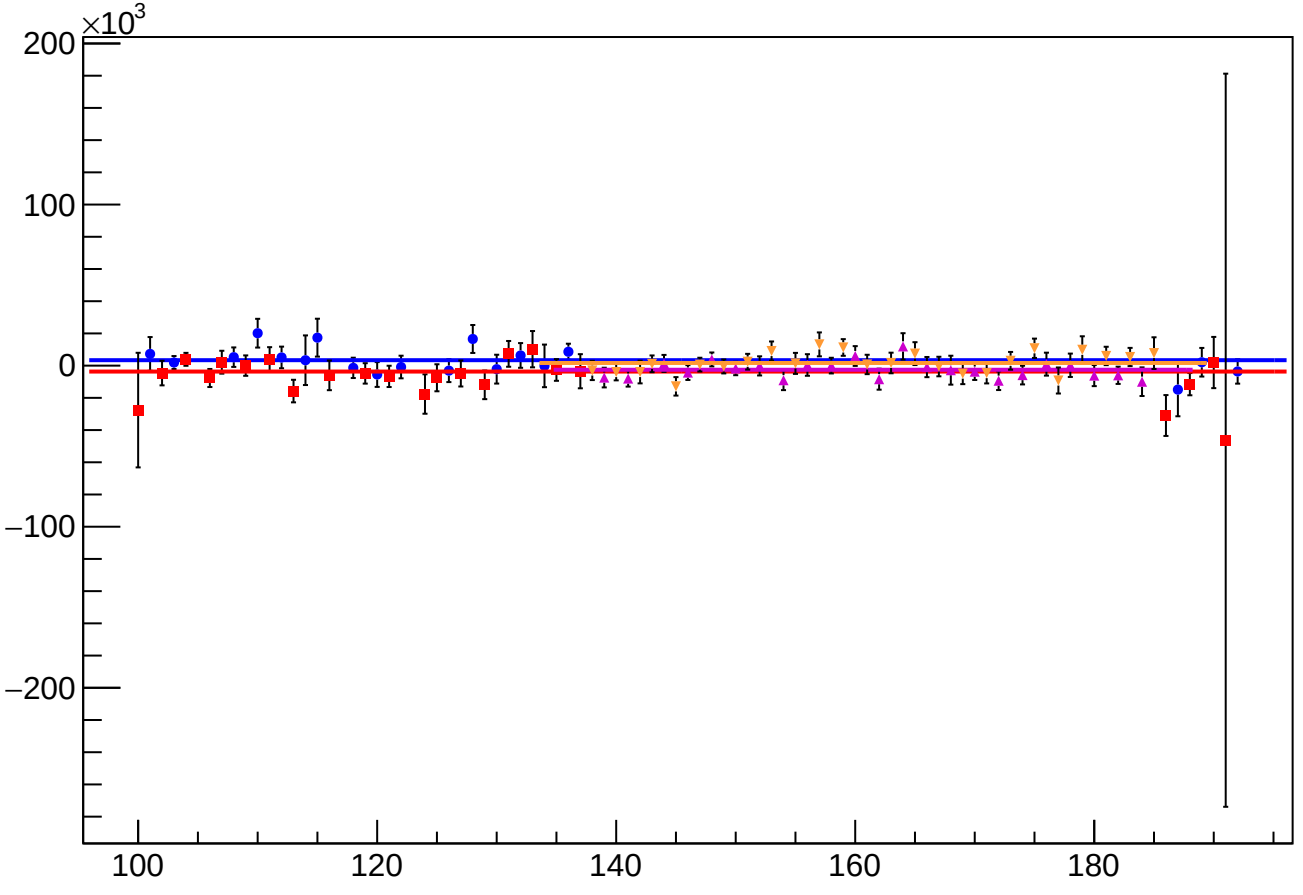
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4813.221+/-0.655 χ^2/NDF: 1947920.6/43

All: 4556.100+/-0.448 χ^2/NDF: 7673122.6/89

- sign 4329.963+/-0.614 χ^2/NDF: 5435450.7/45

asym_atr_avg_mean vs Slug



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

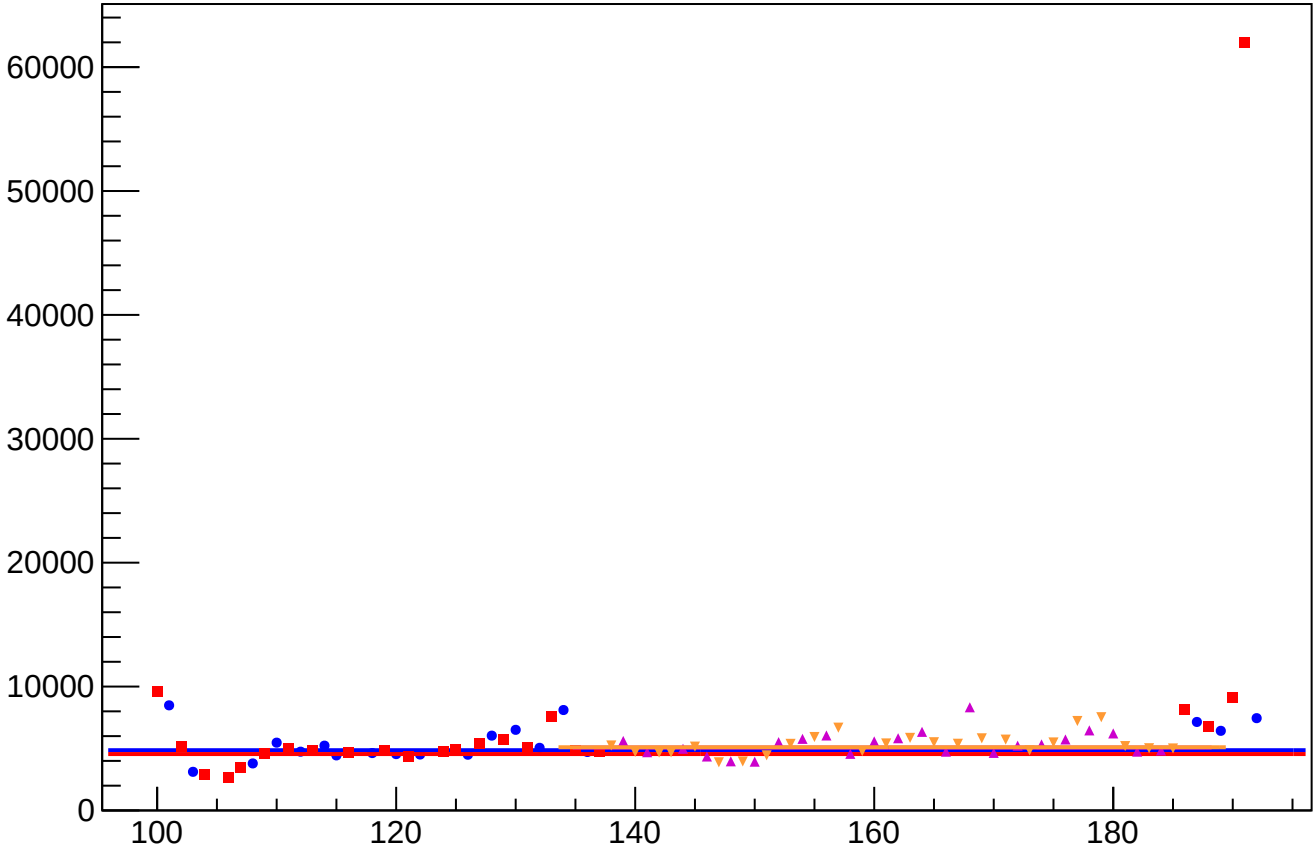
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2218.824+/-967.412 χ^2/NDF: 41.2/43

All: -384.383+/-682.509 χ^2/NDF: 93.7/89

- sign -2964.060+/-963.030 χ^2/NDF: 38.0/45

asym_atr_avg_rms vs Slug



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

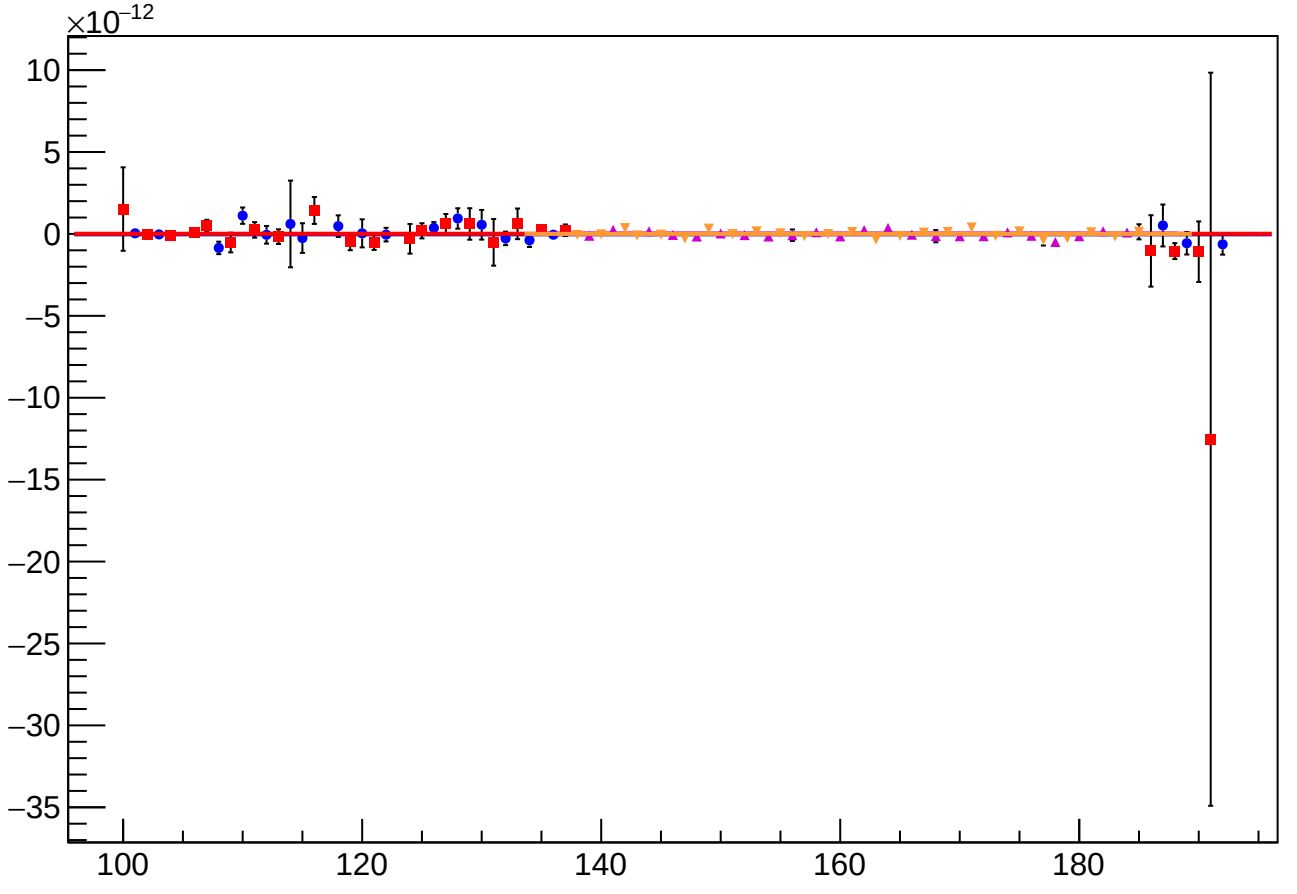
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5023.047+/-0.684 χ^2/NDF: 2204173.2/43

All: 4952.809+/-0.482 χ^2/NDF: 4971870.9/89

- sign 4883.609+/-0.679 χ^2/NDF: 2746768.5/45

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



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

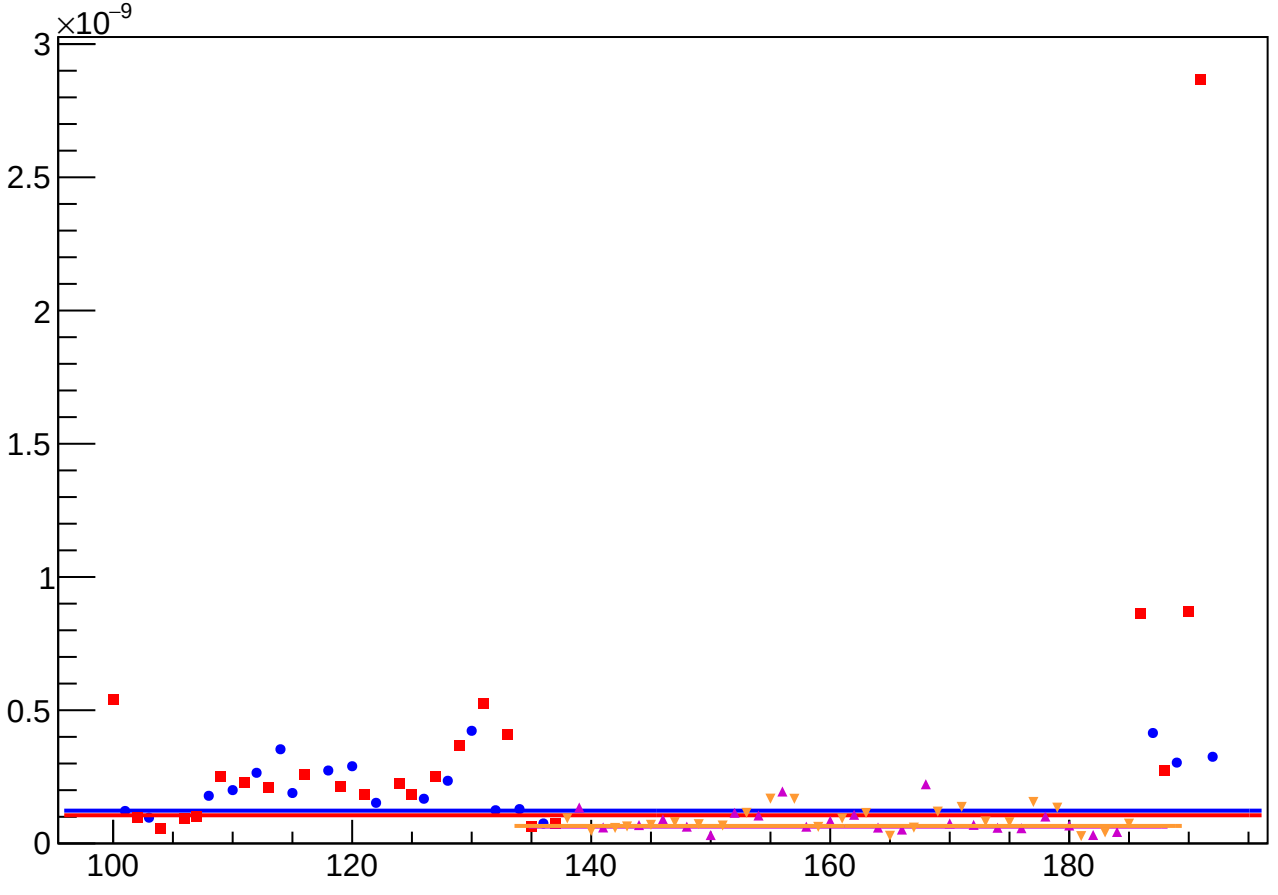
Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.0/43

All: 0.000+/-0.000 χ^2/NDF: 104.5/89

- sign 0.000+/-0.000 χ^2/NDF: 53.2/45

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



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

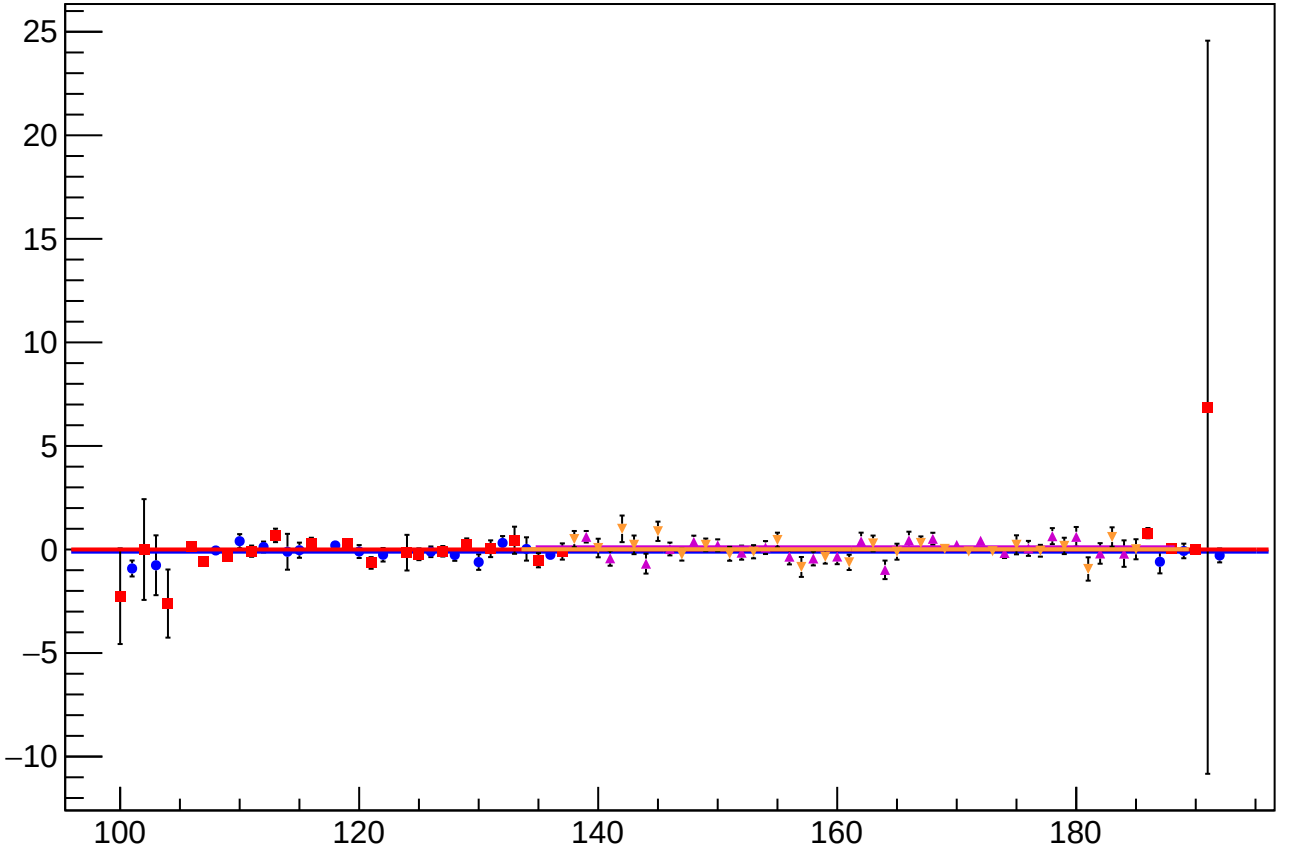
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5080007.1/43

All: 0.000+/-0.000 χ^2/NDF: 10621195.9/89

- sign 0.000+/-0.000 χ^2/NDF: 5516777.7/45

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



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

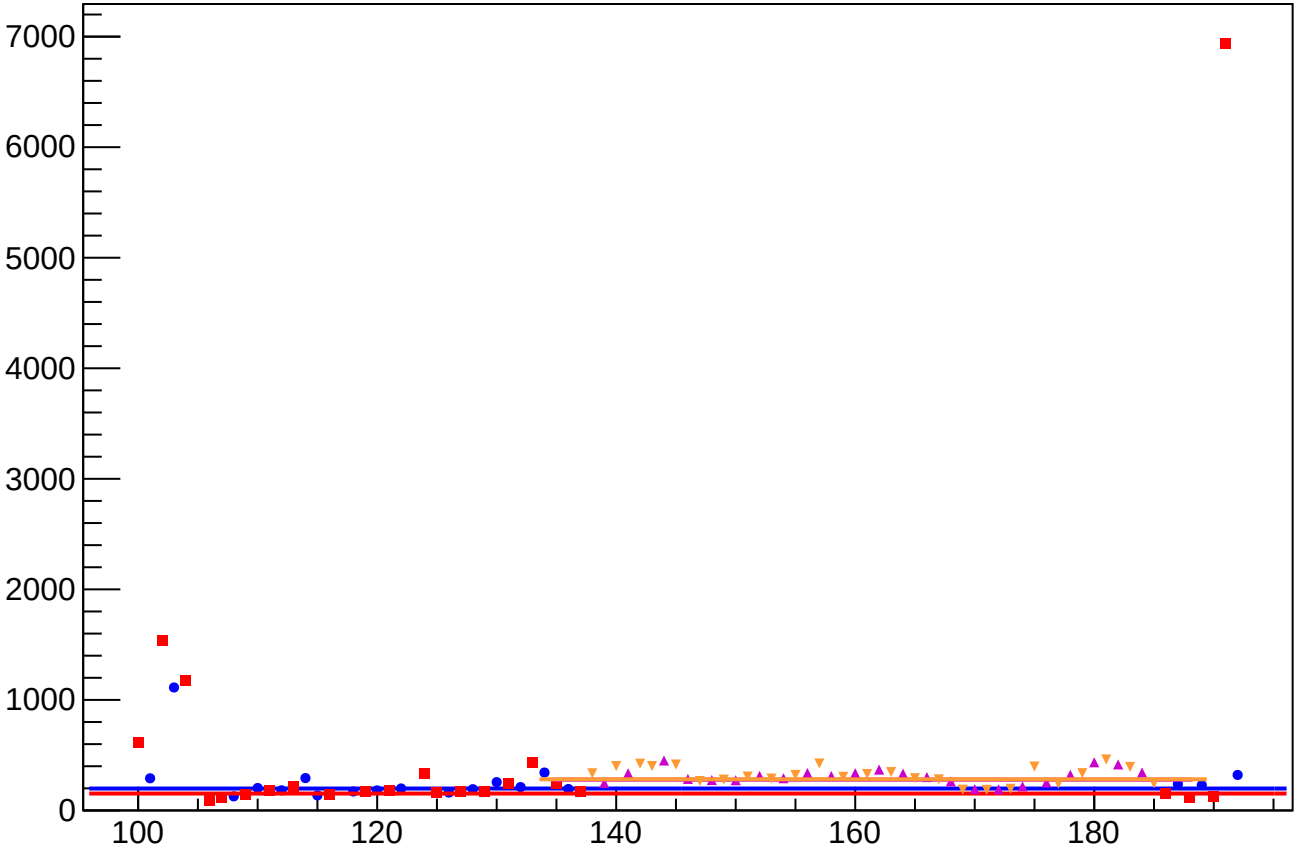
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.043+/-0.050 χ^2/NDF: 41.6/43

All: 0.006+/-0.033 χ^2/NDF: 116.2/89

- sign 0.045+/-0.044 χ^2/NDF: 72.9/45

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



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

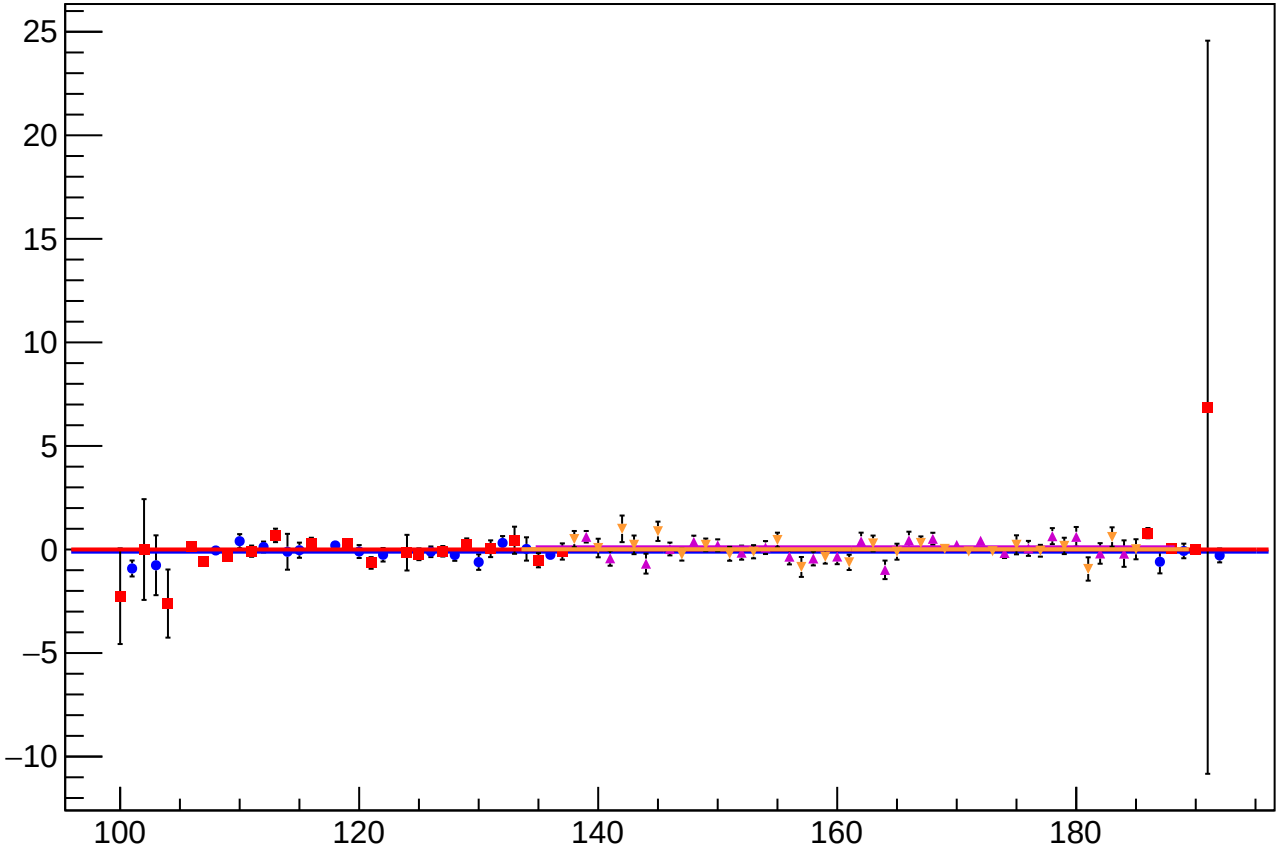
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 242.748+/-0.035 χ^2/NDF: 5715246.0/43

All: 222.077+/-0.023 χ^2/NDF: 15160738.4/89

- sign 205.533+/-0.031 χ^2/NDF: 8821192.5/45

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



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

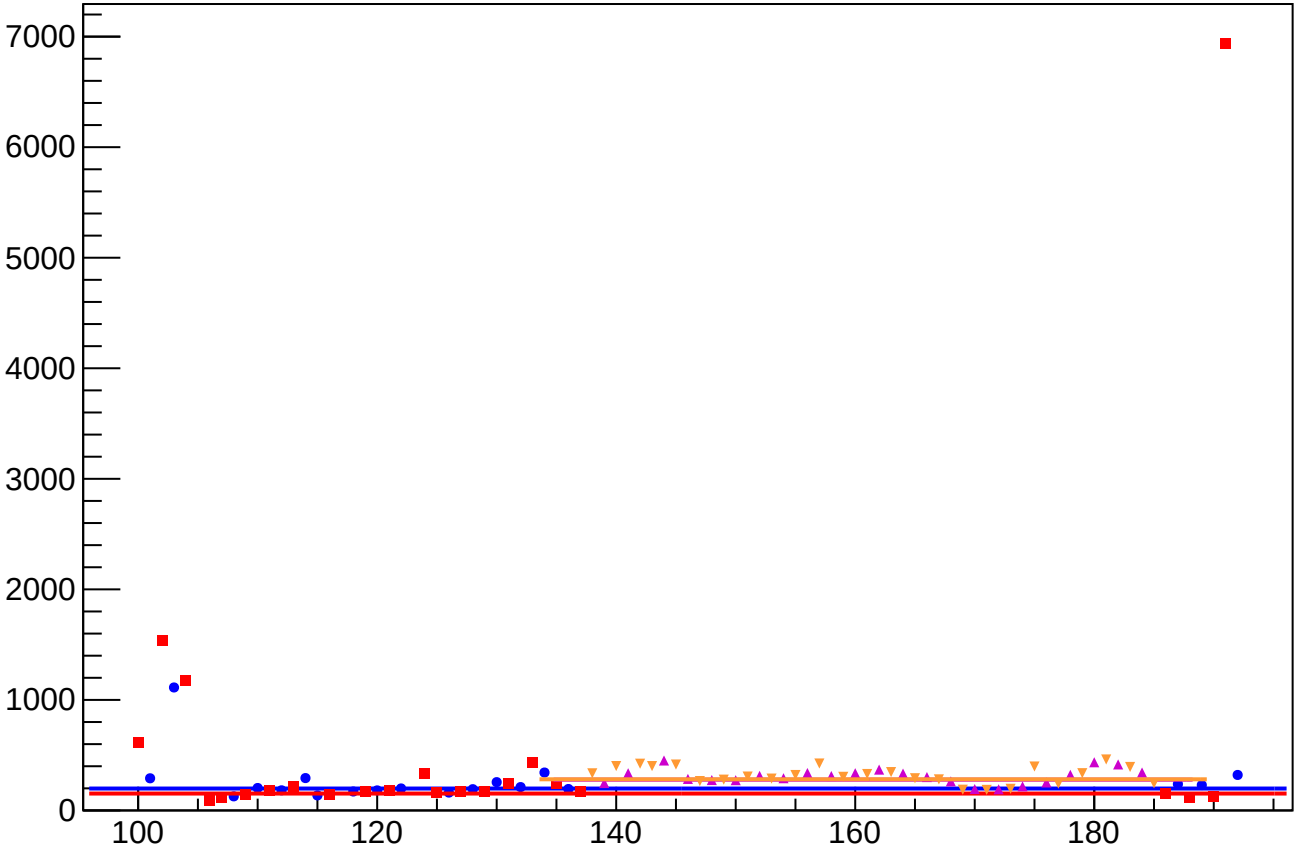
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.043+/-0.050 χ^2/NDF: 41.6/43

All: 0.006+/-0.033 χ^2/NDF: 116.2/89

- sign 0.045+/-0.044 χ^2/NDF: 72.9/45

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 198.289+/-0.051 χ^2/NDF: 1784849.1/18

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

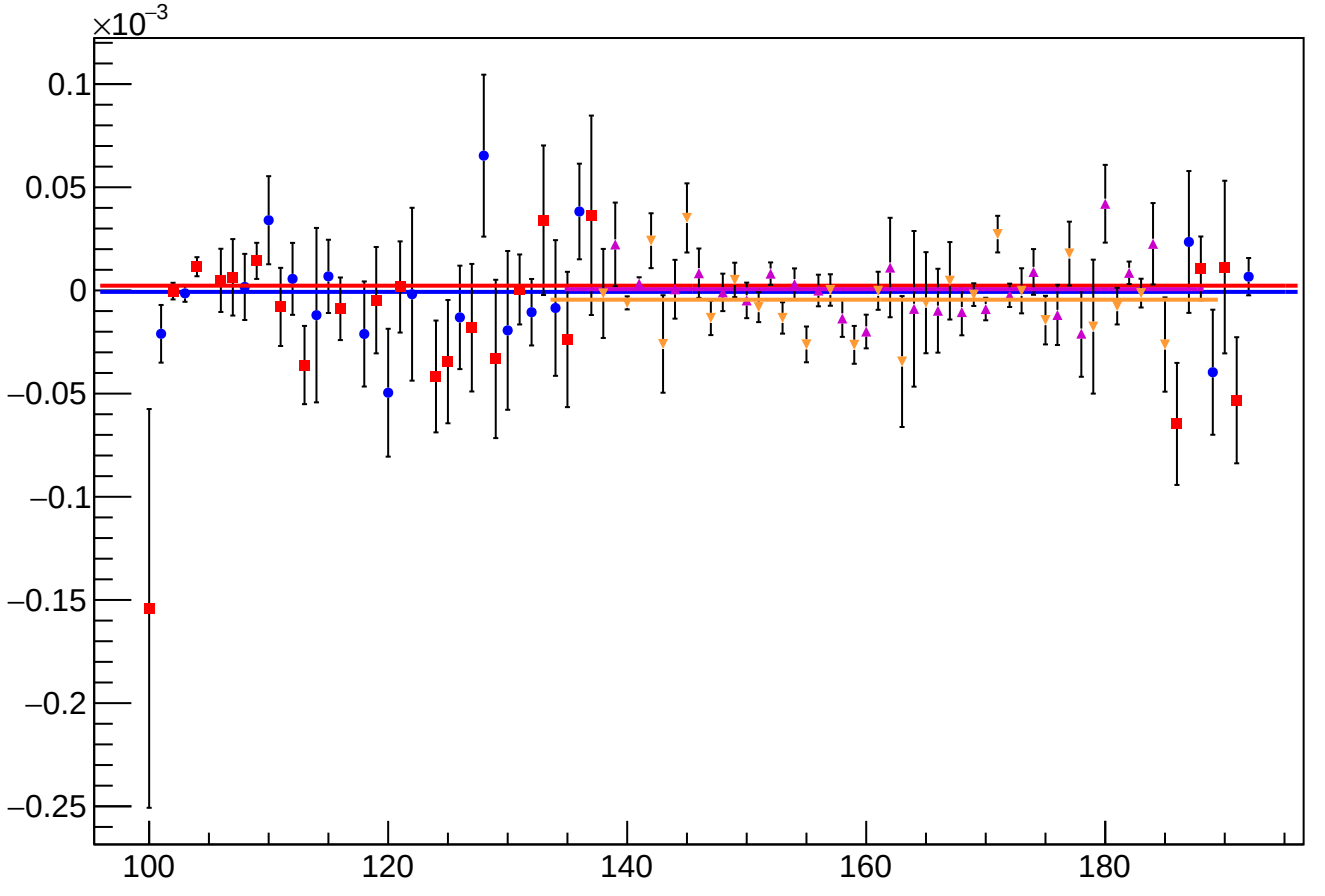
Right Out: 152.940+/-0.041 χ^2/NDF: 3135144.3/22

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 242.748+/-0.035 χ^2/NDF: 5715246.0/43

All: 222.077+/-0.023 χ^2/NDF: 15160738.4/89

- sign 205.533+/-0.031 χ^2/NDF: 8821192.5/45



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

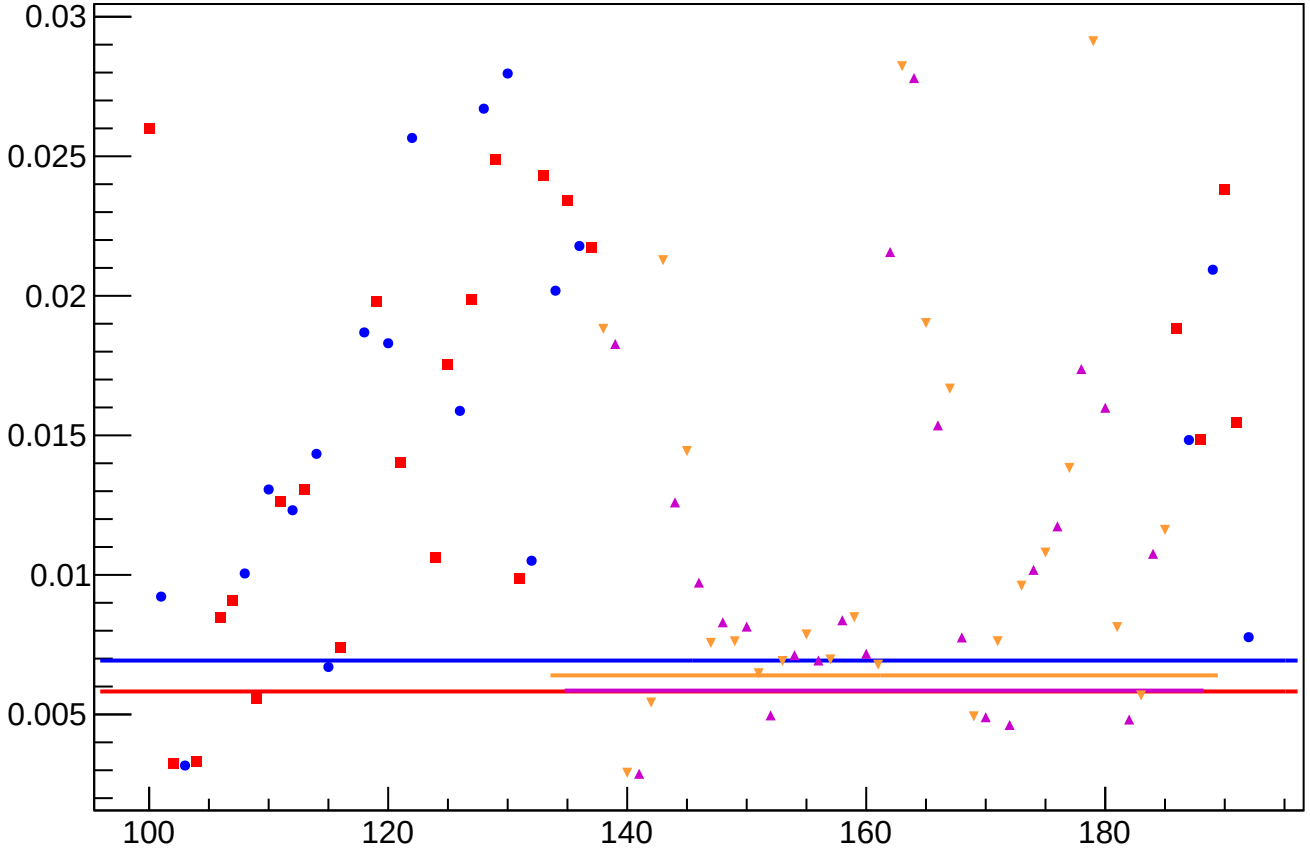
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.2/43

All: -0.000+/-0.000 χ^2/NDF: 130.1/89

- sign 0.000+/-0.000 χ^2/NDF: 59.5/45

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

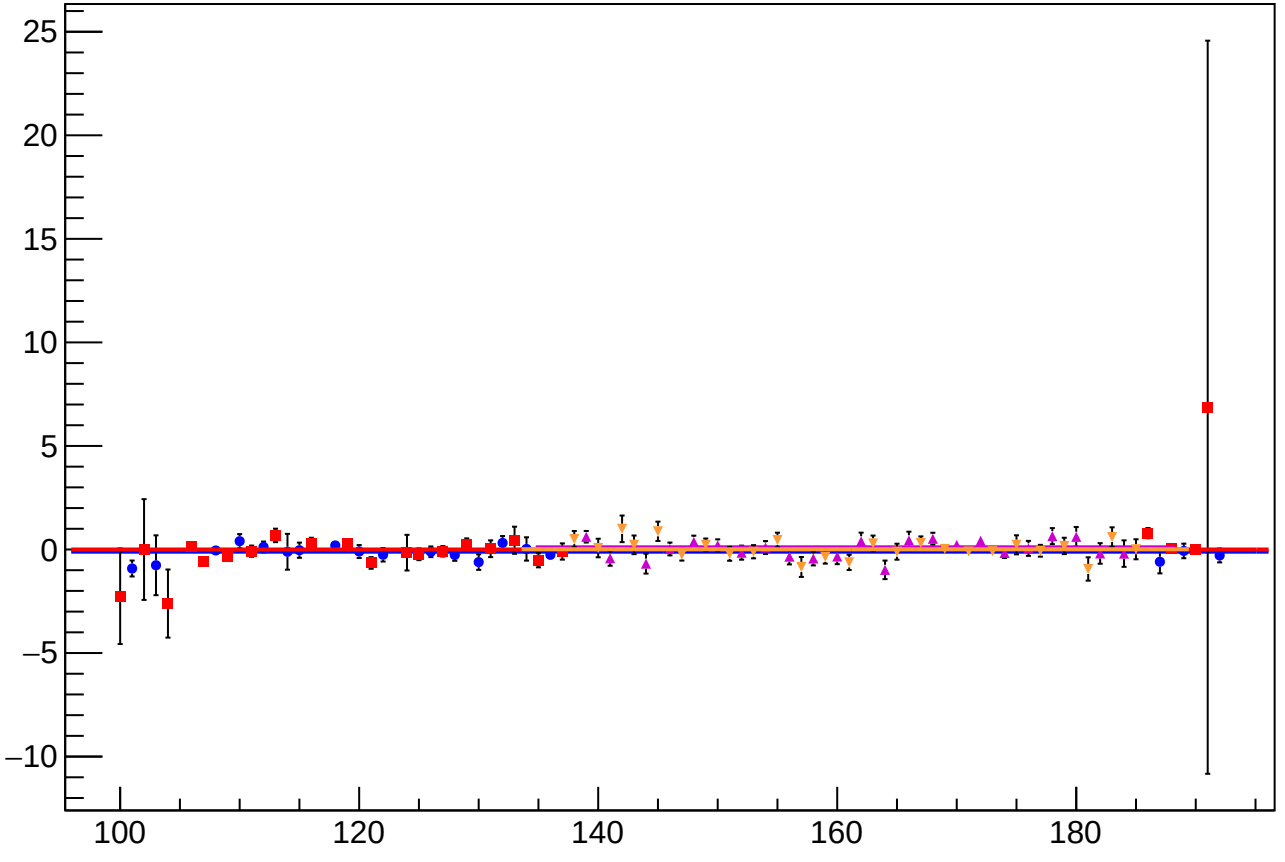
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 15510281.7/43

All: 0.006+/-0.000 χ^2/NDF: 31277232.2/89

- sign 0.006+/-0.000 χ^2/NDF: 15542117.2/45

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



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

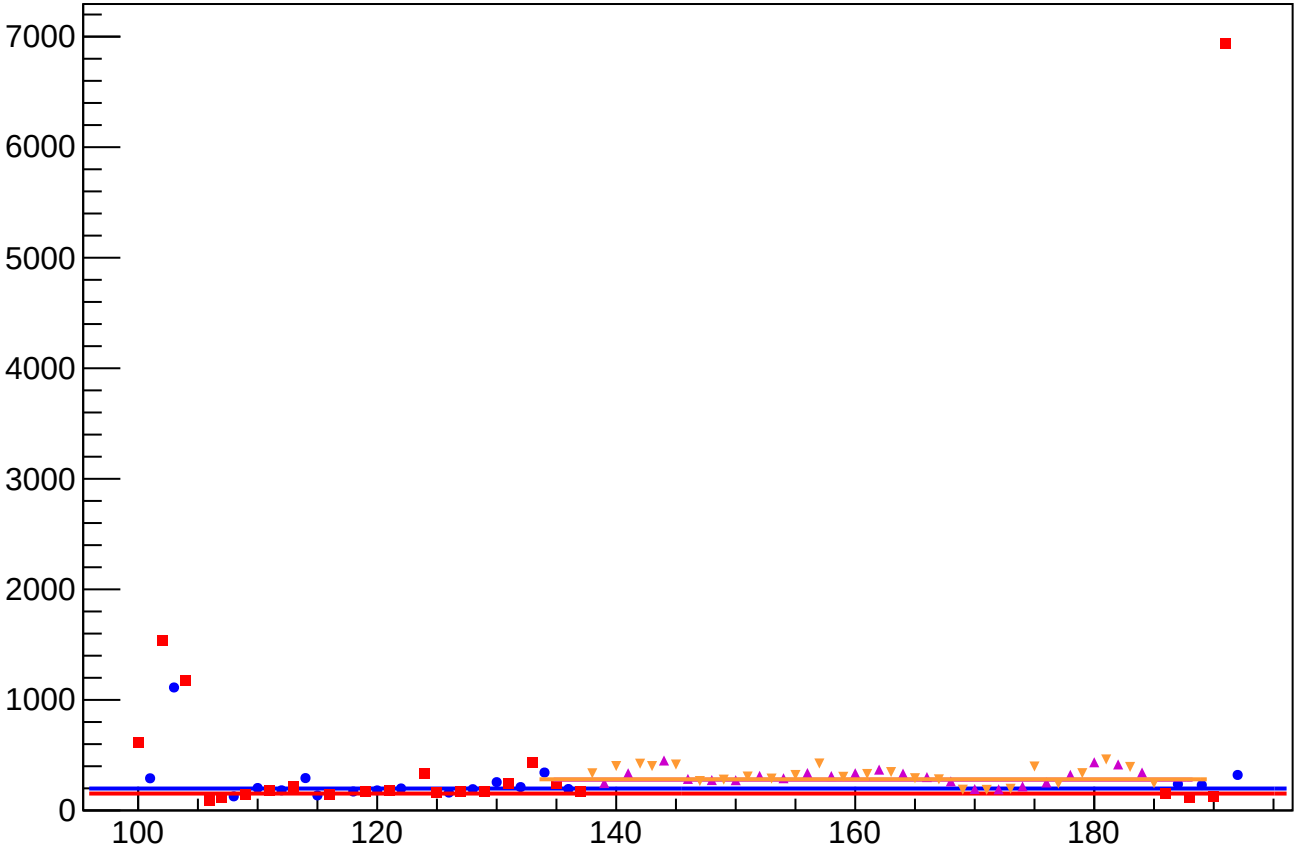
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.043+/-0.050 χ^2/NDF: 41.6/43

All: 0.006+/-0.033 χ^2/NDF: 116.2/89

- sign 0.045+/-0.044 χ^2/NDF: 72.9/45

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

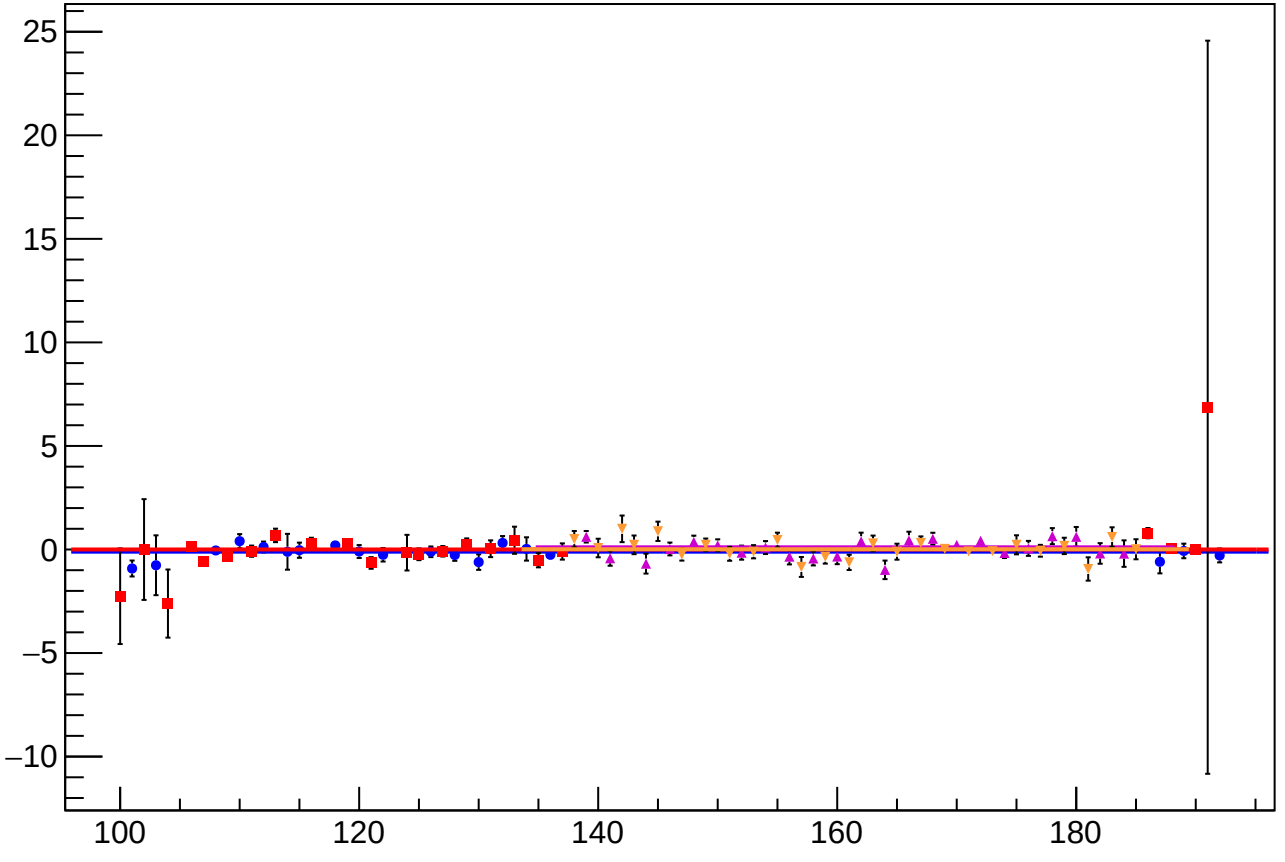
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 242.749+/-0.035 χ^2/NDF: 5715398.5/43

All: 222.076+/-0.023 χ^2/NDF: 15161436.9/89

- sign 205.530+/-0.031 χ^2/NDF: 8821635.7/45

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.105+/-0.073 χ^2/NDF: 15.0/18

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

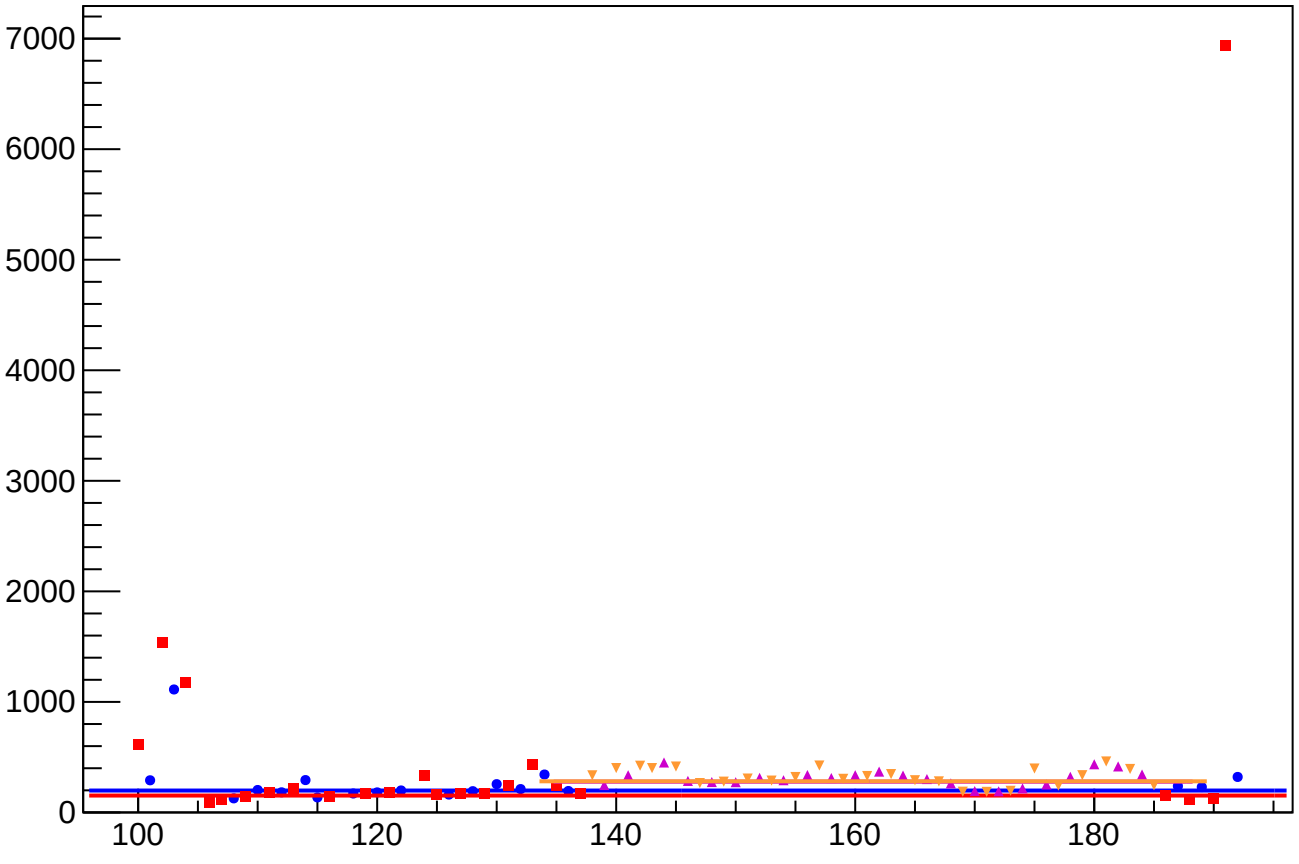
Right Out: 0.001+/-0.058 χ^2/NDF: 40.1/22

Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.043+/-0.050 χ^2/NDF: 41.6/43

All: 0.006+/-0.033 χ^2/NDF: 116.2/89

- sign 0.045+/-0.044 χ^2/NDF: 72.9/45



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

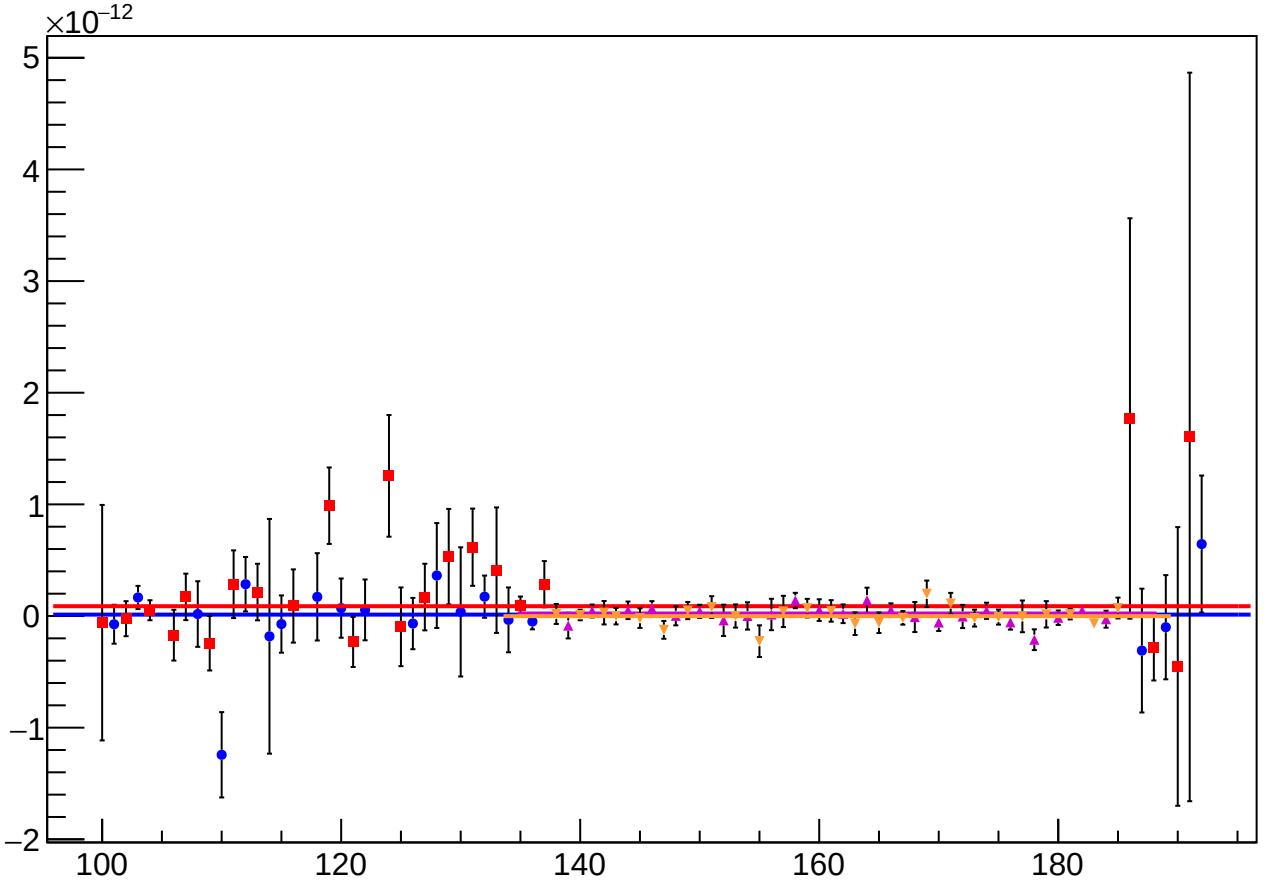
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 242.749+/-0.035 χ^2/NDF: 5715398.5/43

All: 222.076+/-0.023 χ^2/NDF: 15161436.9/89

- sign 205.530+/-0.031 χ^2/NDF: 8821635.7/45

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/22

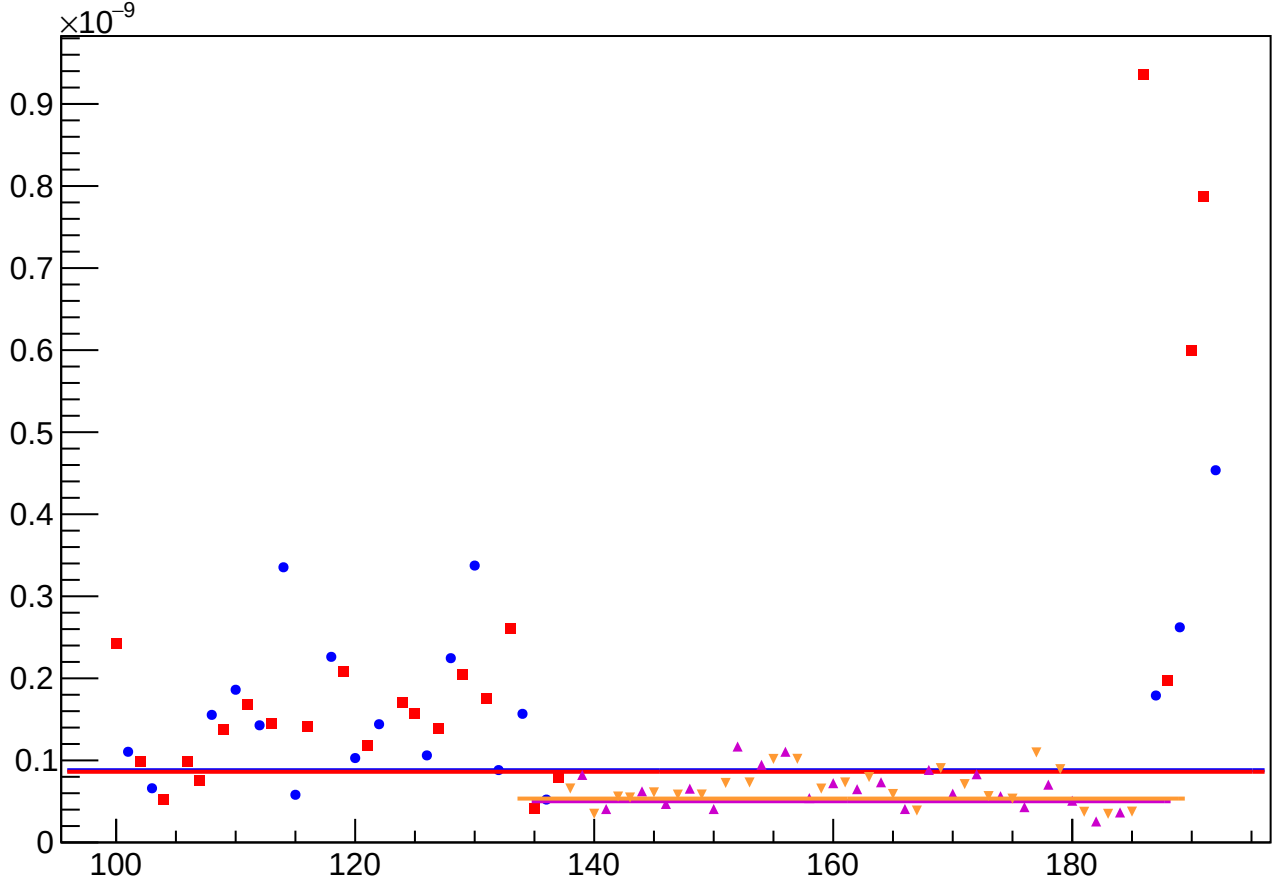
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.0/43

All: 0.000+/-0.000 χ^2/NDF: 80.9/89

- sign 0.000+/-0.000 χ^2/NDF: 44.9/45

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

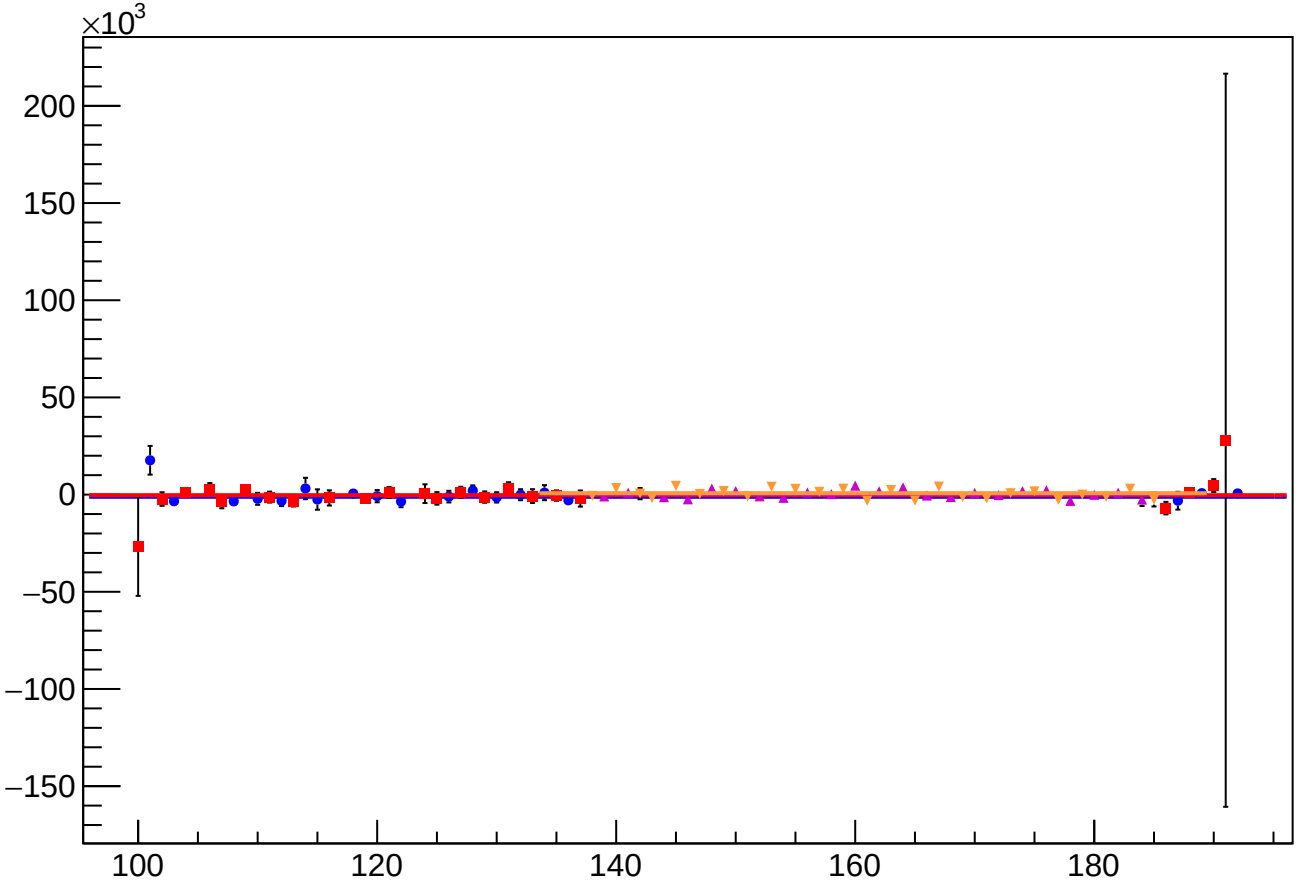
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7001012.6/43

All: 0.000+/-0.000 χ^2/NDF: 15049290.2/89

- sign 0.000+/-0.000 χ^2/NDF: 8003827.1/45

reg_asym_atr_dd_mean vs Slug



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

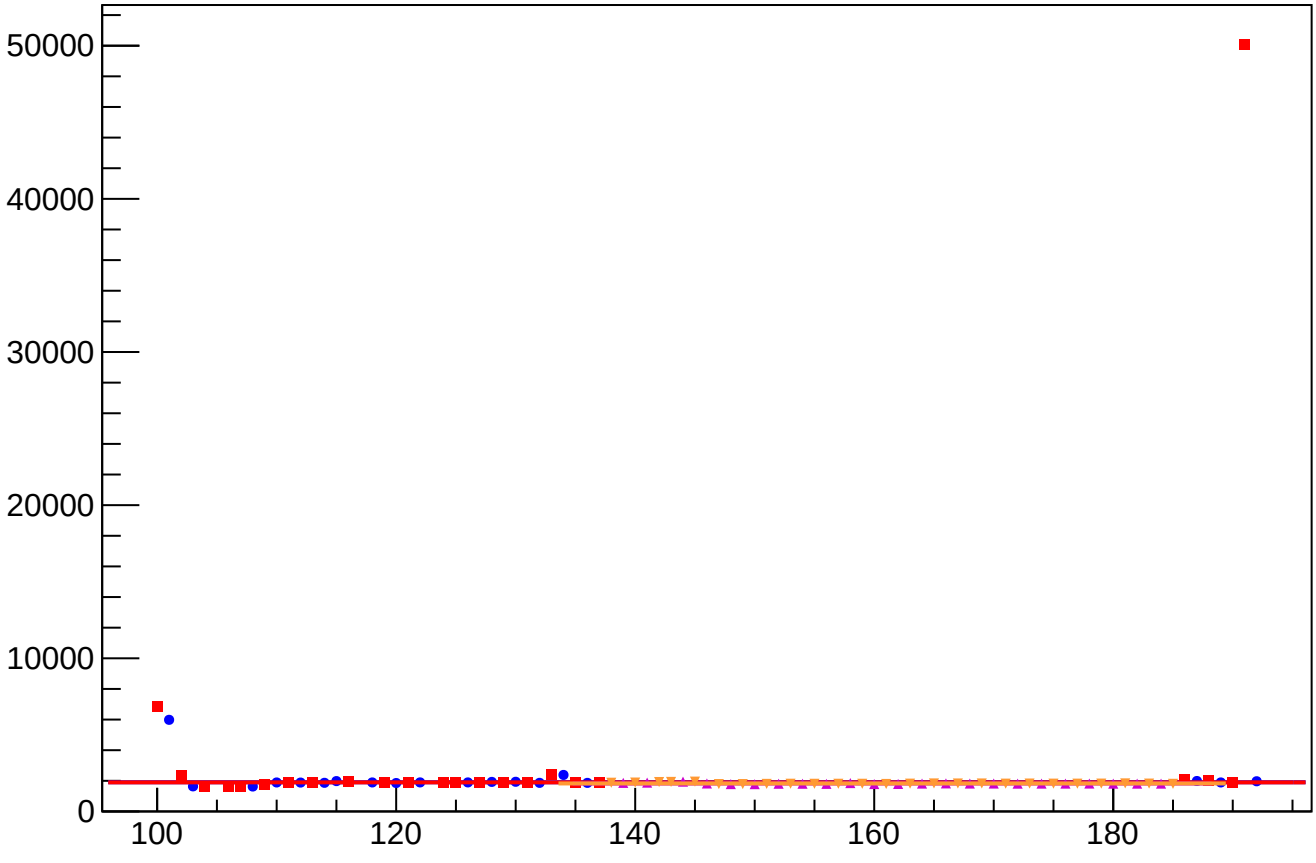
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

\+ sign 176.476+/-350.210 χ^2/NDF: 52.7/43

All: 182.838+/-249.214 χ^2/NDF: 91.1/89

\- sign 189.364+/-354.718 χ^2/NDF: 38.4/45

reg_asym_atr_dd_rms vs Slug



Right In: 1908.056+/-0.460 χ^2/NDF: 700547.8/18

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

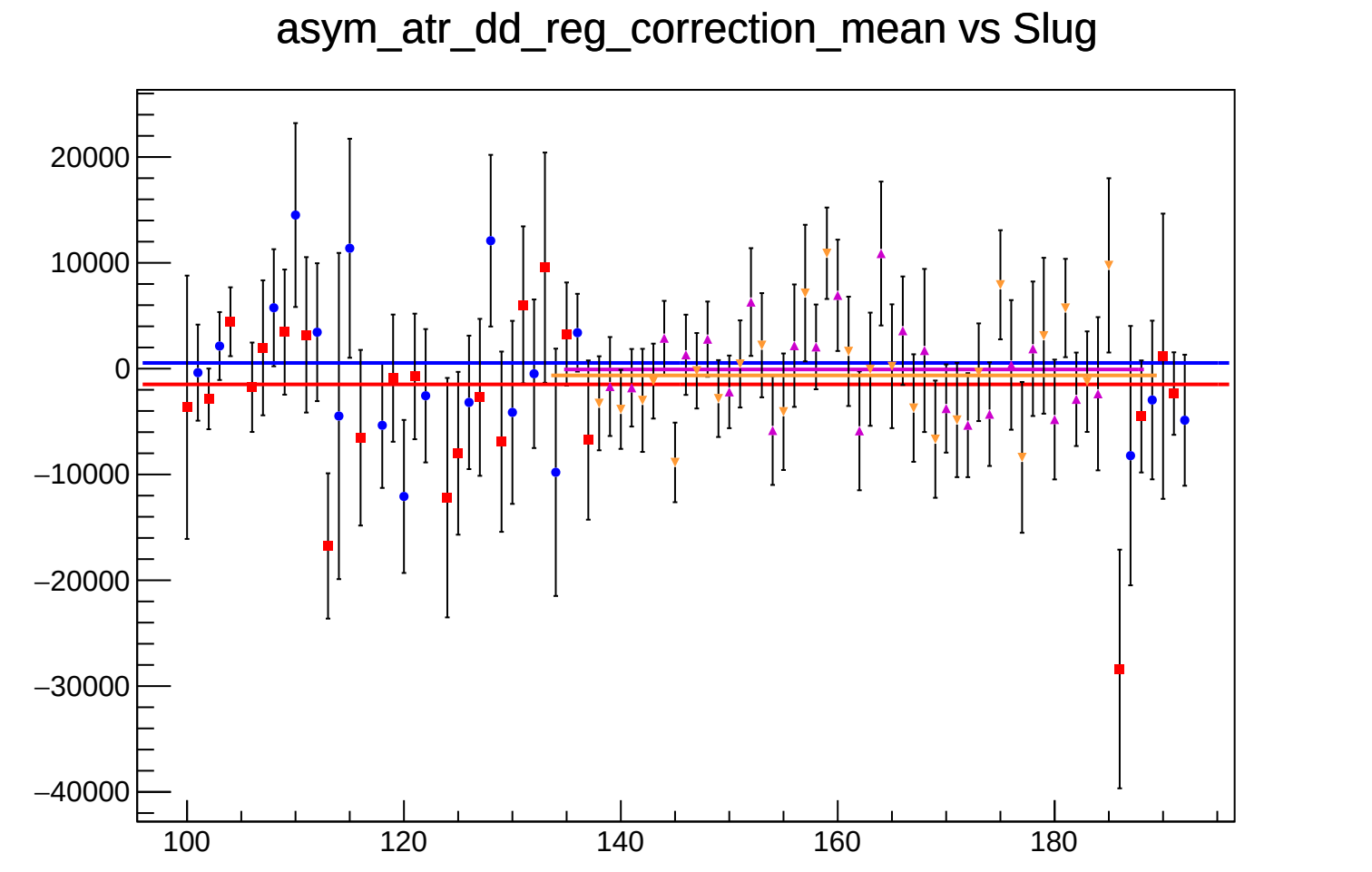
Right Out: 1899.411+/-0.451 χ^2/NDF: 366654.6/22

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1851.323+/-0.248 χ^2/NDF: 741229.5/43

All: 1849.718+/-0.176 χ^2/NDF: 1140055.7/89

- sign 1848.074+/-0.251 χ^2/NDF: 398741.1/45



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

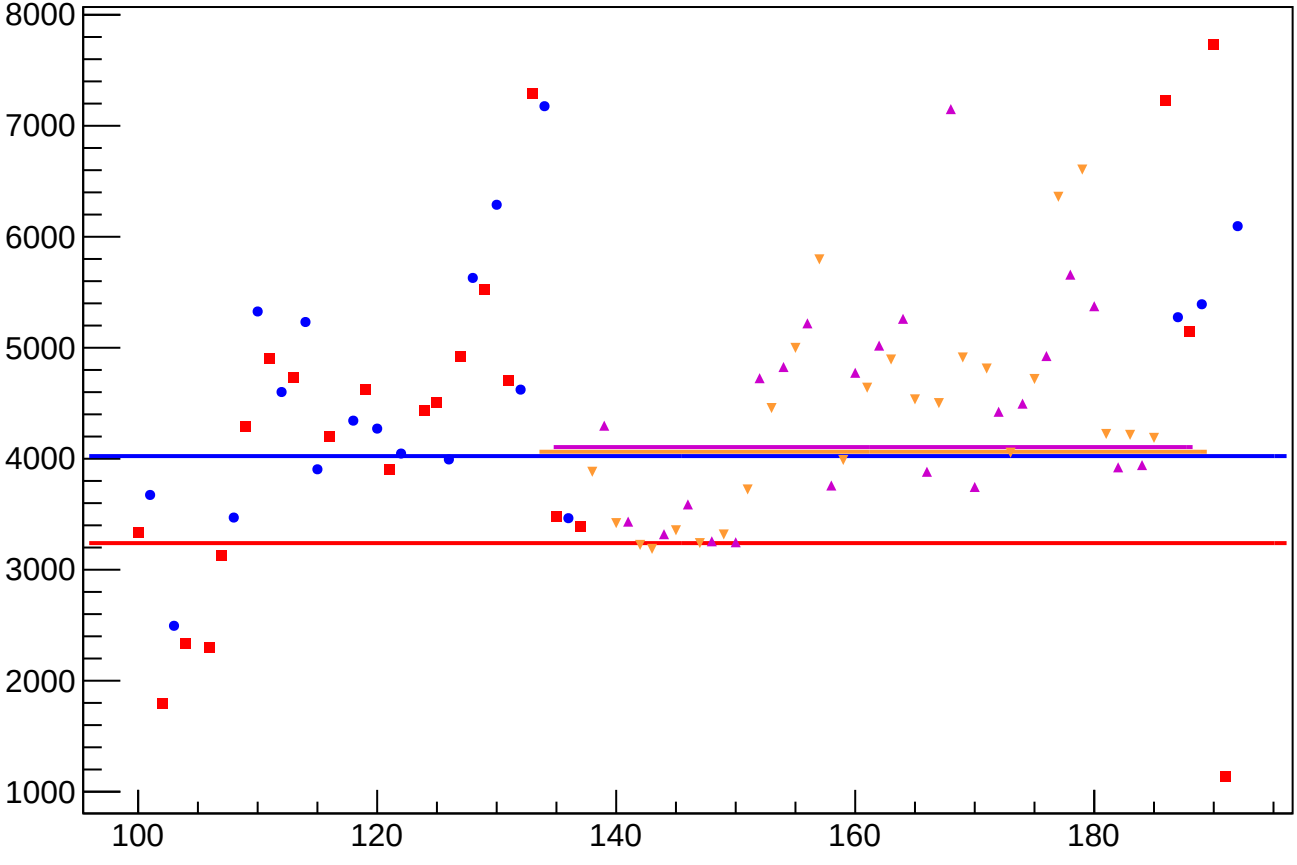
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

+ sign -269.493+/-784.972 χ^2/NDF: 41.5/43

All: -462.673+/-545.249 χ^2/NDF: 79.8/89

- sign -642.776+/-757.936 χ^2/NDF: 38.2/45

asym_atr_dd_reg_correction_rms vs Slug



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

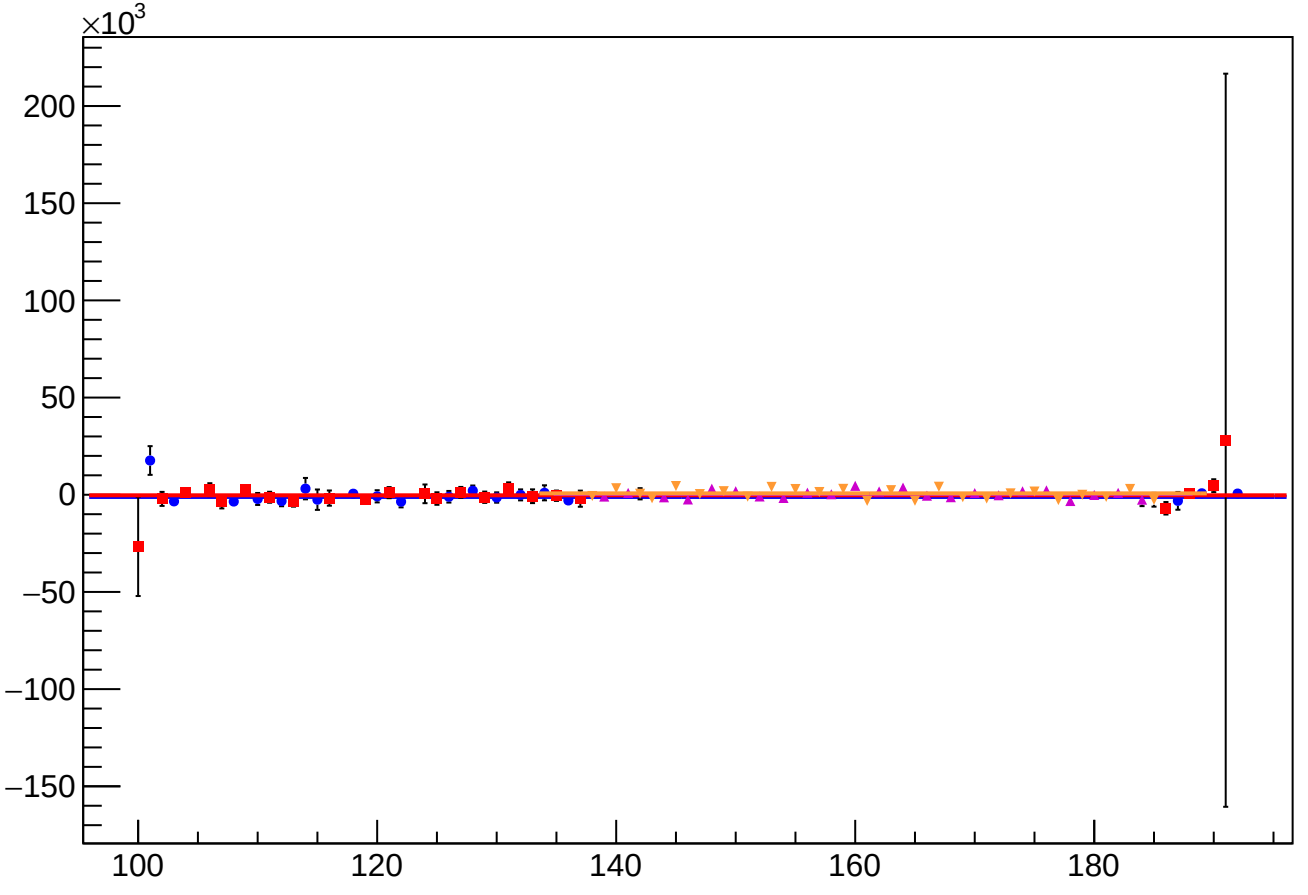
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4050.845+/-0.555 χ^2/NDF: 2707133.3/43

All: 3898.835+/-0.386 χ^2/NDF: 8016609.0/89

- sign 3757.116+/-0.536 χ^2/NDF: 5164551.8/45

cor_asym_atr_dd_mean vs Slug



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

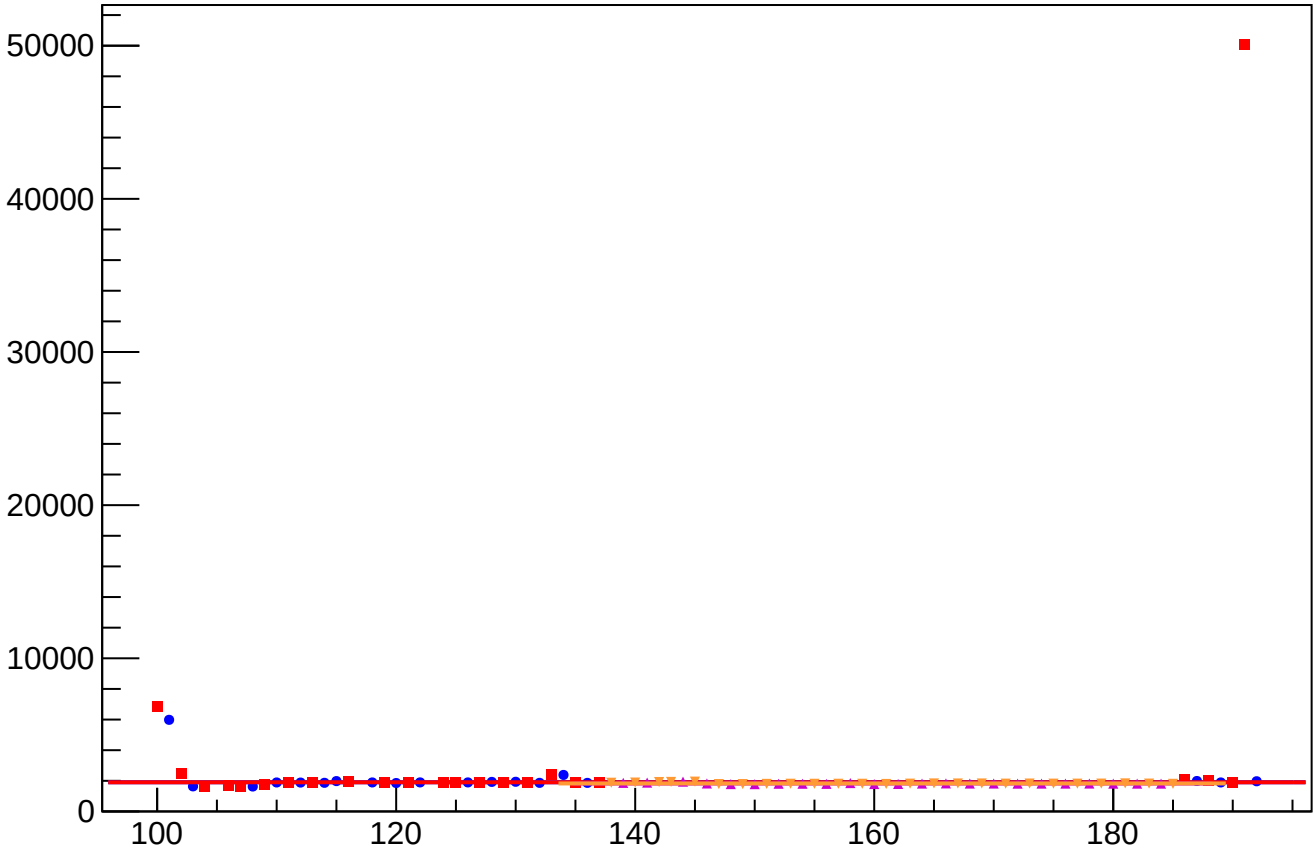
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 176.422+/-350.210 χ^2/NDF: 52.7/43

All: 184.242+/-249.256 χ^2/NDF: 91.0/89

- sign 192.270+/-354.840 χ^2/NDF: 38.3/45

cor_asym_atr_dd_rms vs Slug



Right In: 1908.056+/-0.460 χ^2/NDF: 700547.9/18

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

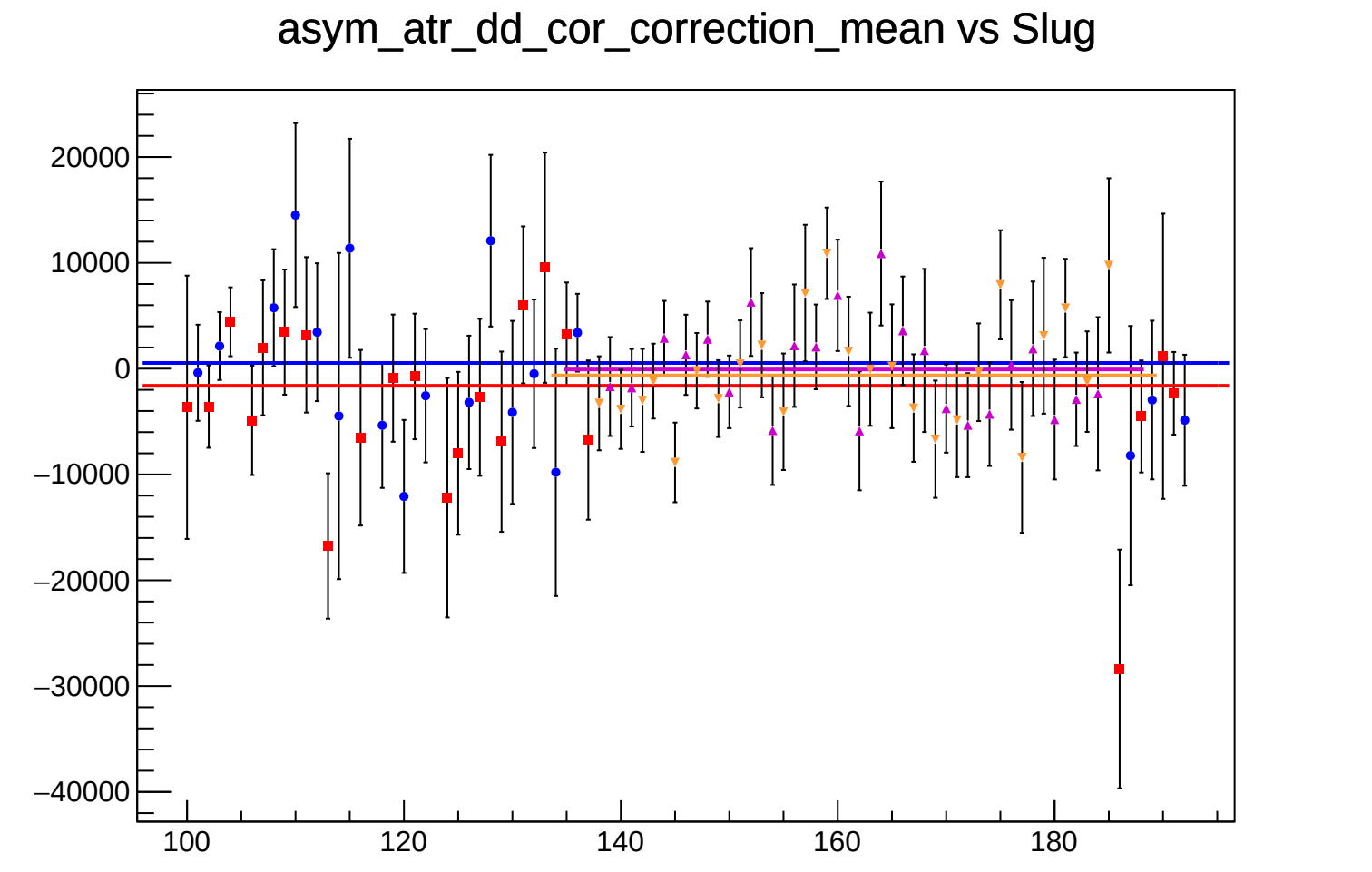
Right Out: 1905.146+/-0.452 χ^2/NDF: 374191.4/22

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1851.323+/-0.248 χ^2/NDF: 741229.5/43

All: 1850.548+/-0.176 χ^2/NDF: 1150452.8/89

- sign 1849.753+/-0.251 χ^2/NDF: 409203.5/45



Right In: 538.541+/-1403.845 χ^2/NDF: 15.0/18

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

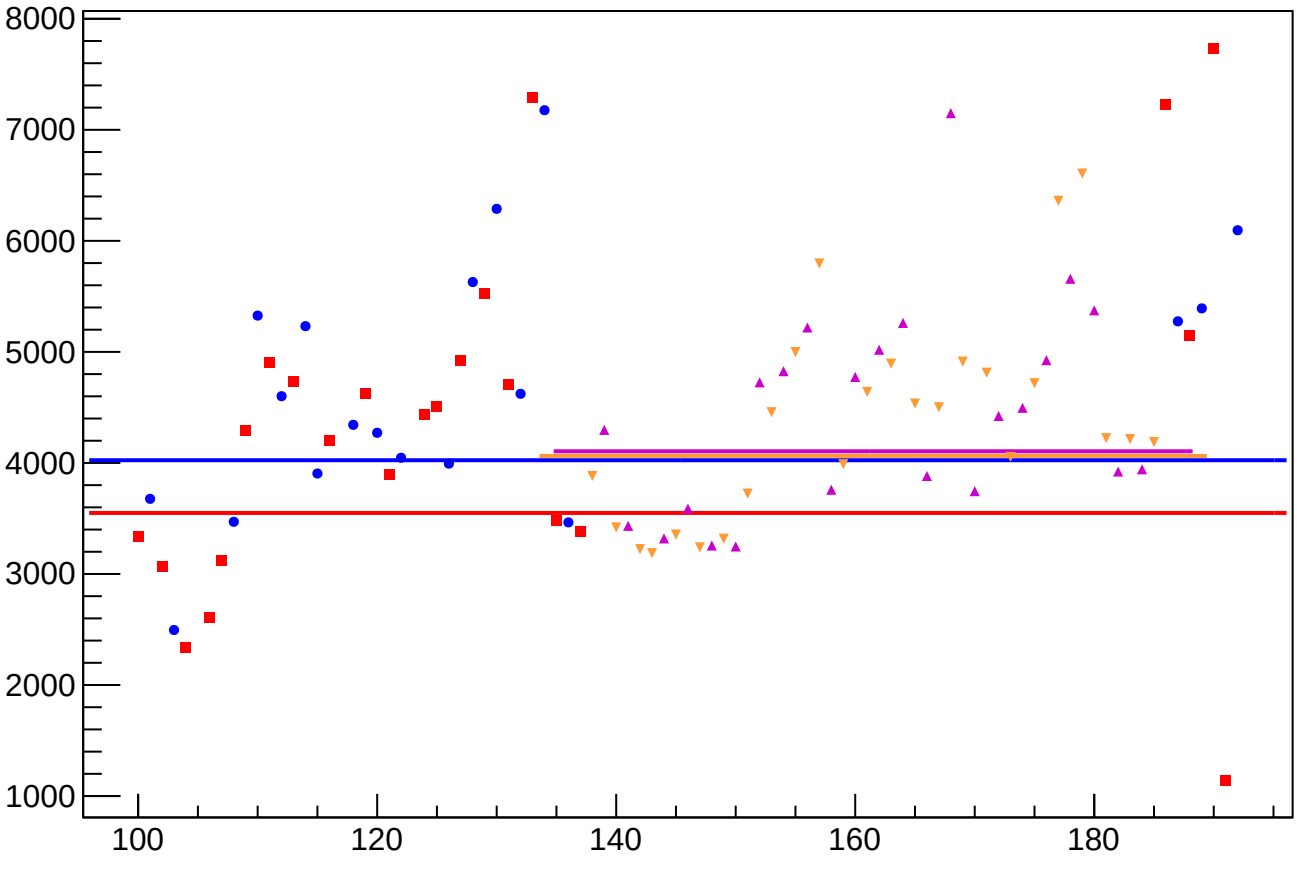
Right Out: -1616.610+/-1264.344 χ^2/NDF: 22.4/22

Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -269.928+/-784.997 χ^2/NDF: 41.5/43

All: -464.629+/-551.395 χ^2/NDF: 80.4/89

- sign -654.249+/-774.686 χ^2/NDF: 38.8/45



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

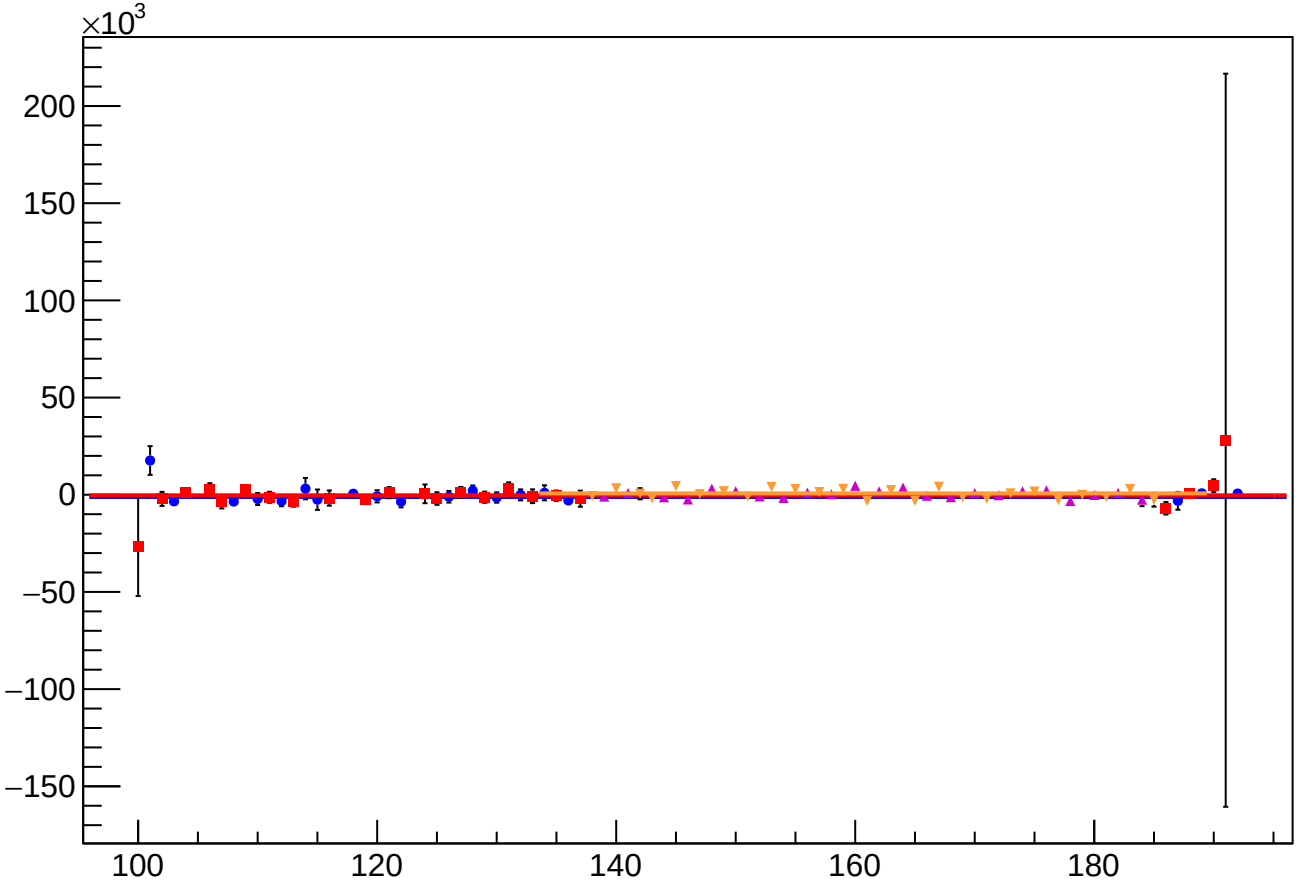
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4051.005+/-0.555 χ^2/NDF: 2706445.0/43

All: 3972.751+/-0.390 χ^2/NDF: 6829397.3/89

- sign 3896.539+/-0.548 χ^2/NDF: 4083720.5/45

eigen_cor_asym_atr_dd_mean vs Slug



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

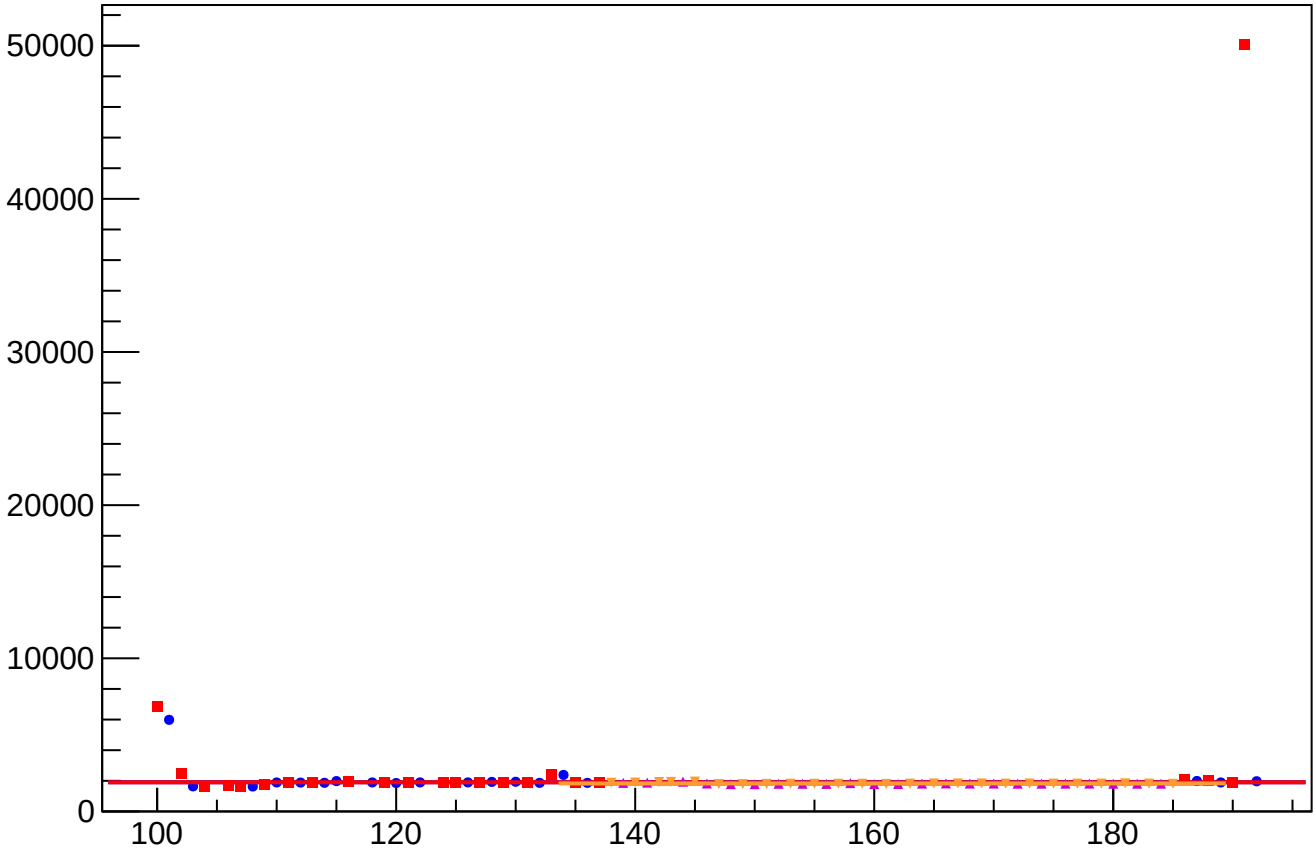
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 176.422+/-350.210 χ^2/NDF: 52.7/43

All: 184.242+/-249.256 χ^2/NDF: 91.0/89

- sign 192.270+/-354.840 χ^2/NDF: 38.3/45

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1908.056+/-0.460 χ^2/NDF: 700547.9/18

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

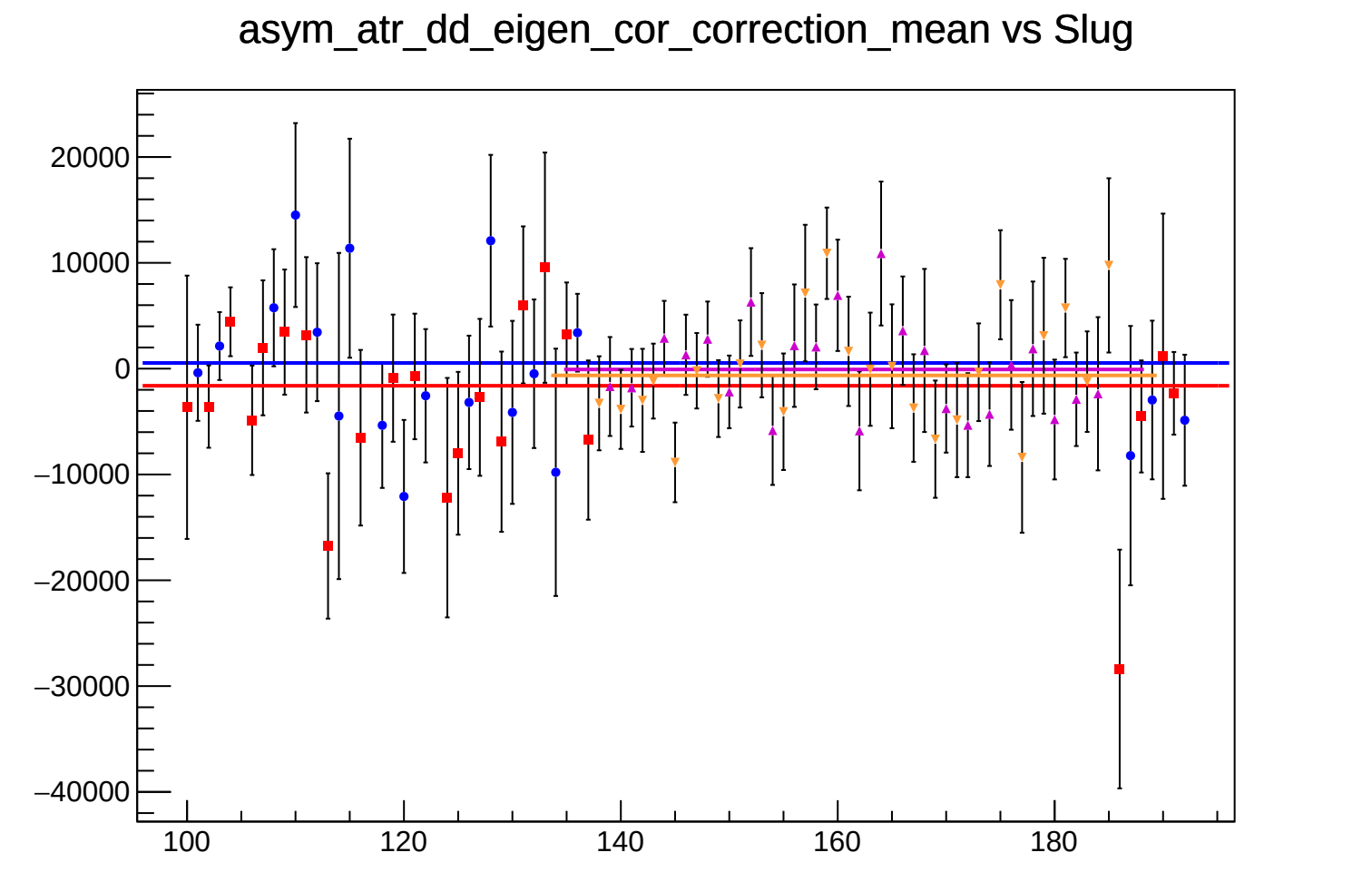
Right Out: 1905.146+/-0.452 χ^2/NDF: 374191.4/22

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1851.323+/-0.248 χ^2/NDF: 741229.5/43

All: 1850.548+/-0.176 χ^2/NDF: 1150452.8/89

- sign 1849.753+/-0.251 χ^2/NDF: 409203.5/45



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

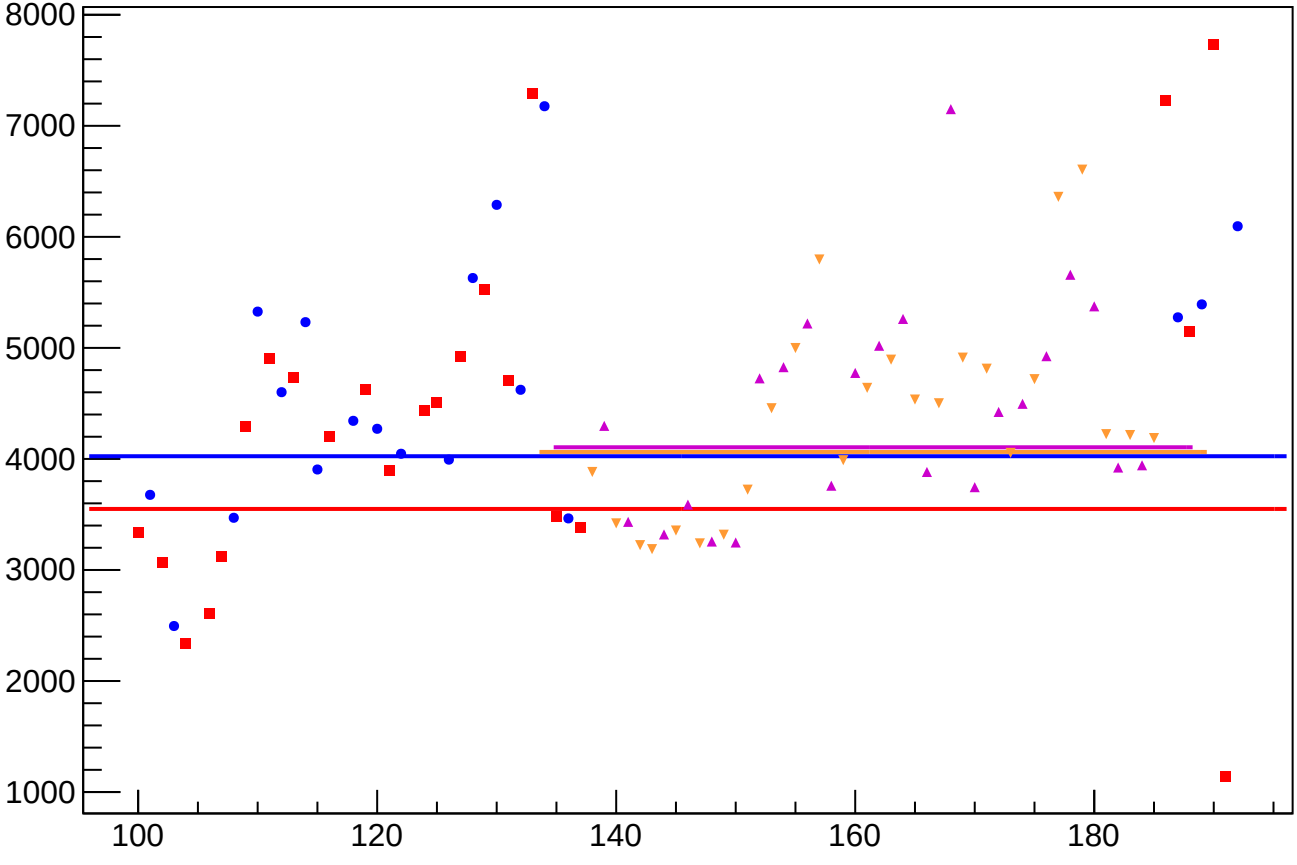
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -269.928+/-784.997 χ^2/NDF: 41.5/43

All: -464.629+/-551.395 χ^2/NDF: 80.4/89

- sign -654.249+/-774.686 χ^2/NDF: 38.8/45

asym_atr_dd_eigen_cor_correction_rms vs Slug



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

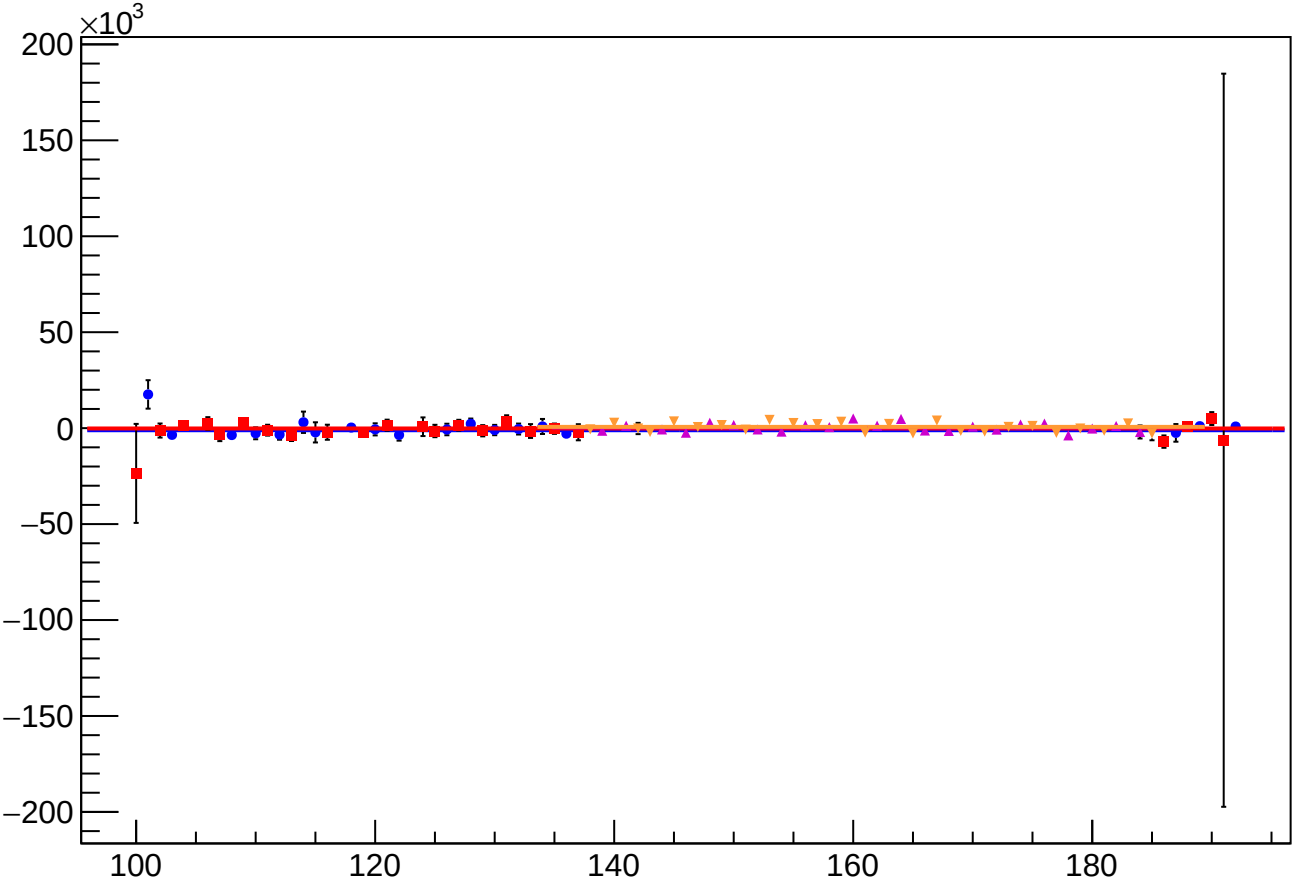
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

\+ sign 4051.005+/-0.555 χ^2/NDF: 2706445.0/43

All: 3972.751+/-0.390 χ^2/NDF: 6829397.3/89

\- sign 3896.539+/-0.548 χ^2/NDF: 4083720.5/45

dit_asym_atr_dd_mean vs Slug



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

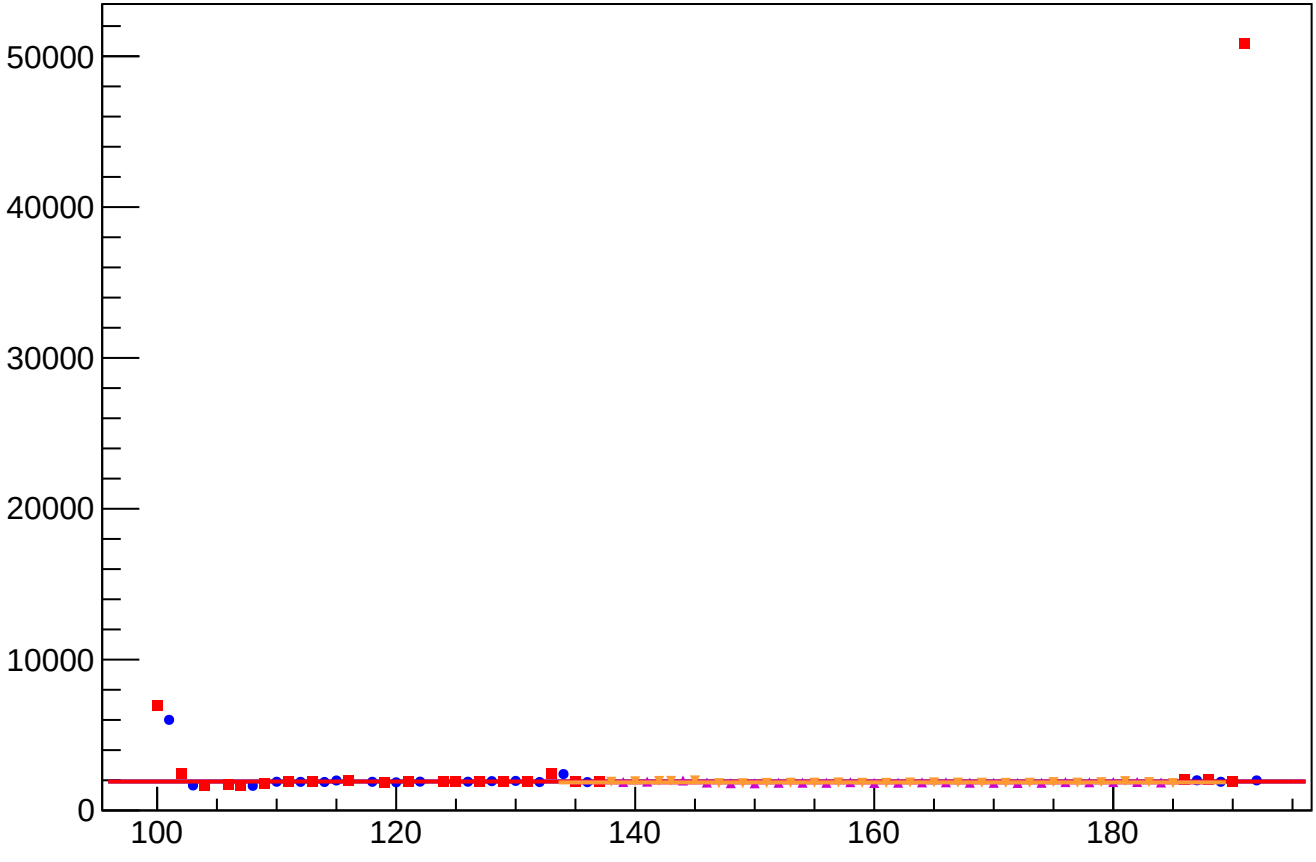
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 146.568+/-355.529 χ^2/NDF: 47.5/43

All: 186.900+/-252.960 χ^2/NDF: 89.8/89

- sign 228.251+/-359.992 χ^2/NDF: 42.2/45

dit_asym_atr_dd_rms vs Slug



Right In: 1921.849+/-0.464 χ^2/NDF: 699643.8/18

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

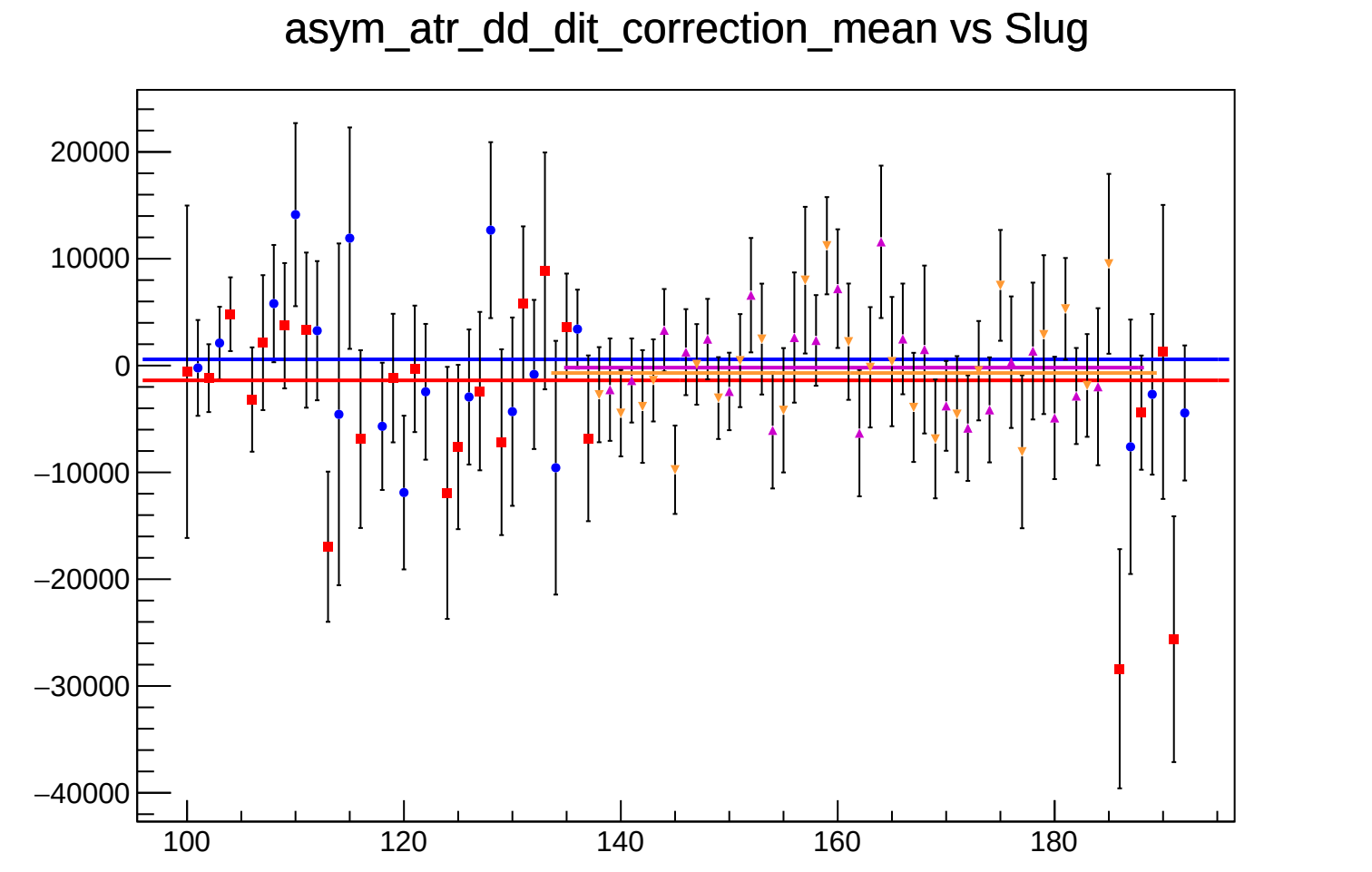
Right Out: 1918.264+/-0.456 χ^2/NDF: 377076.1/22

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1879.392+/-0.251 χ^2/NDF: 737523.4/43

All: 1877.995+/-0.179 χ^2/NDF: 1143214.5/89

- sign 1876.562+/-0.254 χ^2/NDF: 405628.5/45



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

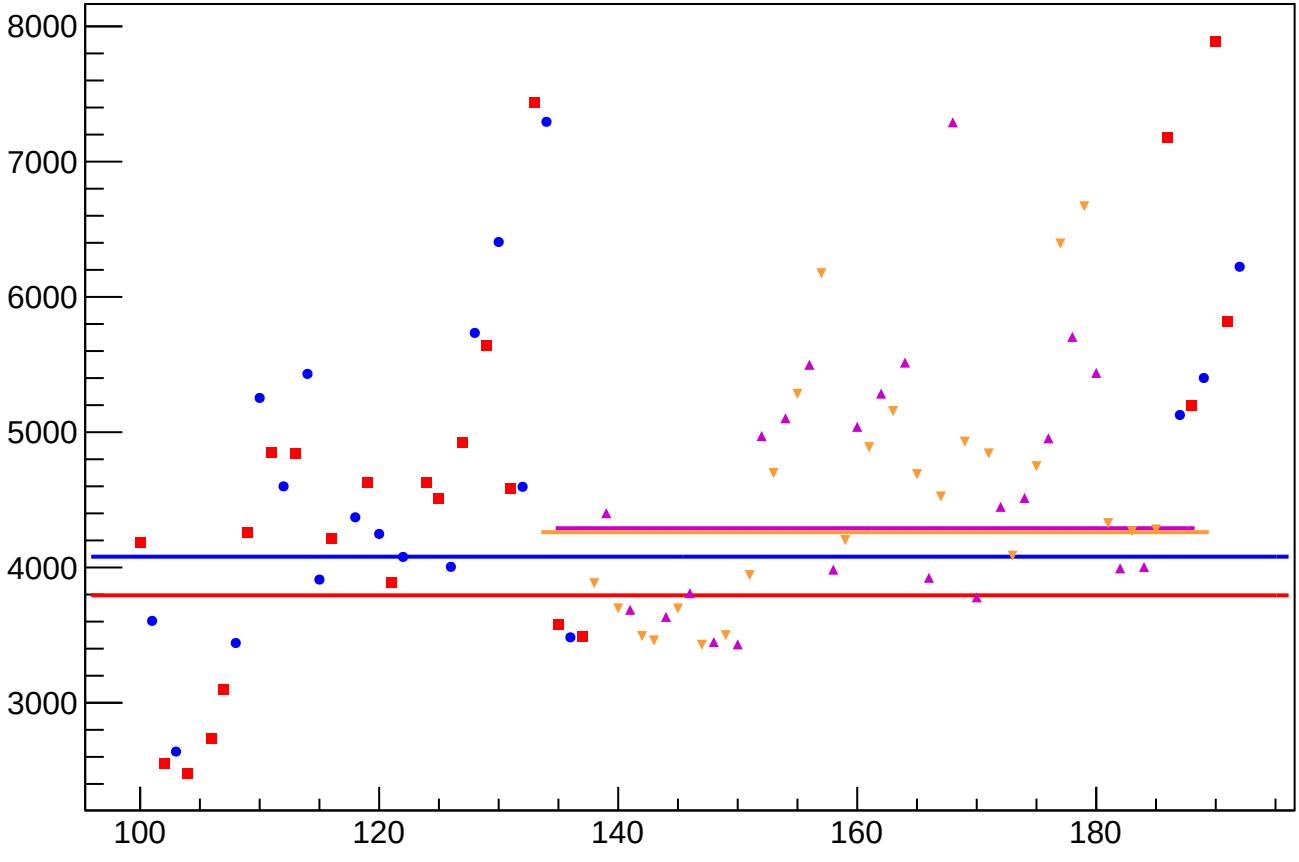
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -280.566+/-812.227 χ^2/NDF: 40.7/43

All: -465.282+/-571.634 χ^2/NDF: 82.6/89

- sign -646.569+/-804.652 χ^2/NDF: 41.8/45

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4079.907+/-1.004 χ^2/NDF: 1217272.7/18

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 3794.140+/-0.922 χ^2/NDF: 1828904.0/22

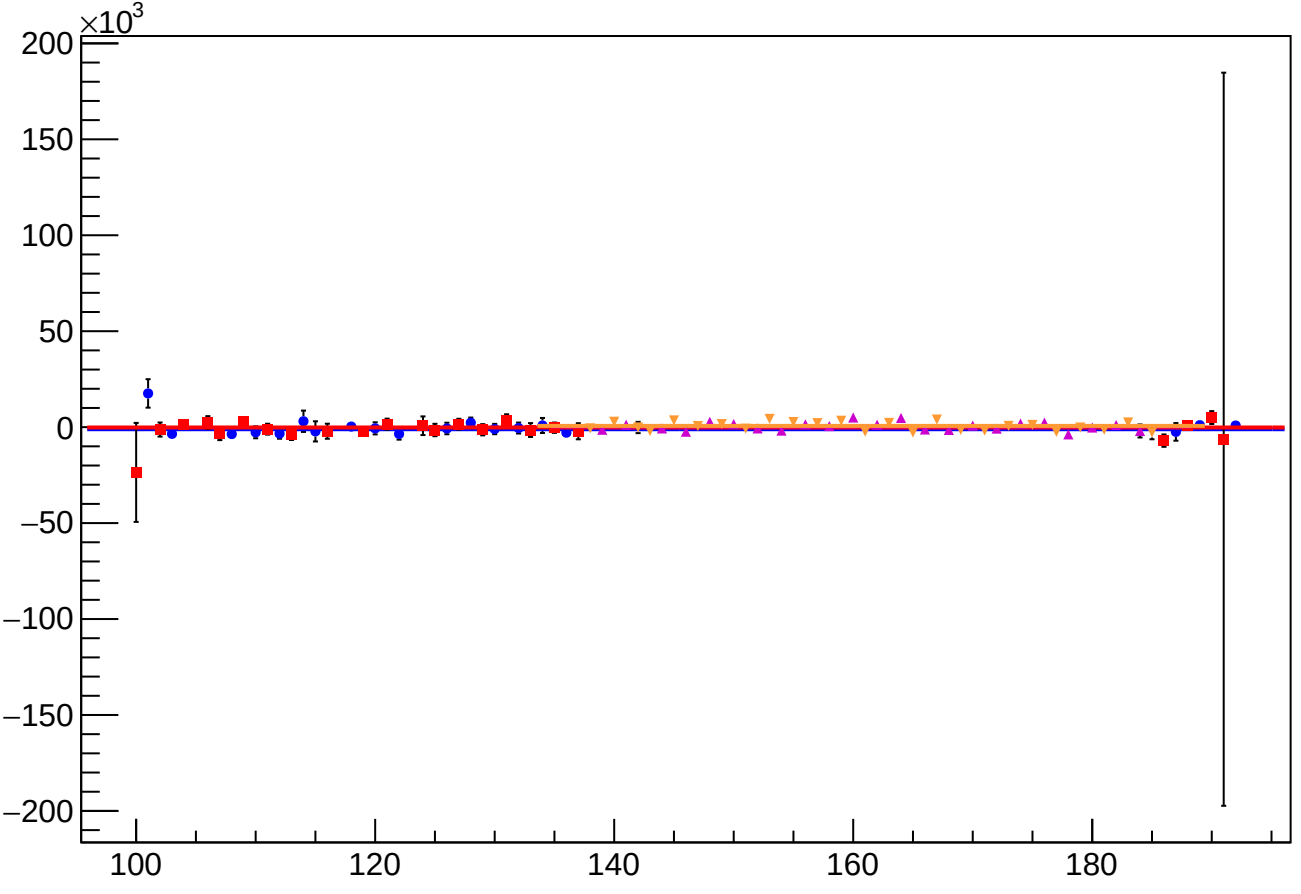
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4201.877+/-0.574 χ^2/NDF: 2429741.6/43

All: 4151.210+/-0.404 χ^2/NDF: 5667381.9/89

- sign 4101.483+/-0.569 χ^2/NDF: 3222219.4/45

eigen_dit_asym_atr_dd_mean vs Slug



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

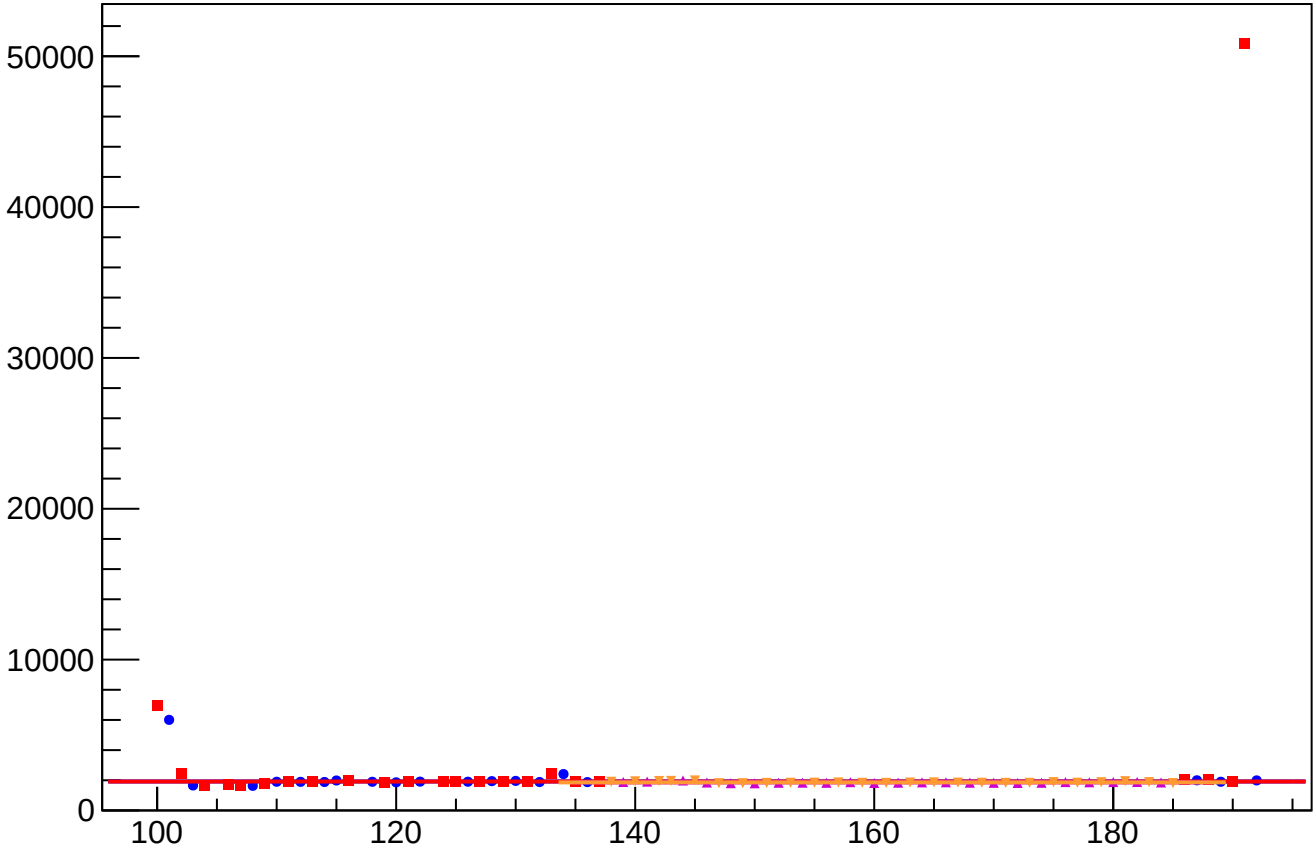
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 146.571+/-355.529 χ^2/NDF: 47.5/43

All: 186.902+/-252.960 χ^2/NDF: 89.8/89

- sign 228.253+/-359.992 χ^2/NDF: 42.2/45

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1921.849+/-0.464 χ^2/NDF: 699643.6/18

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

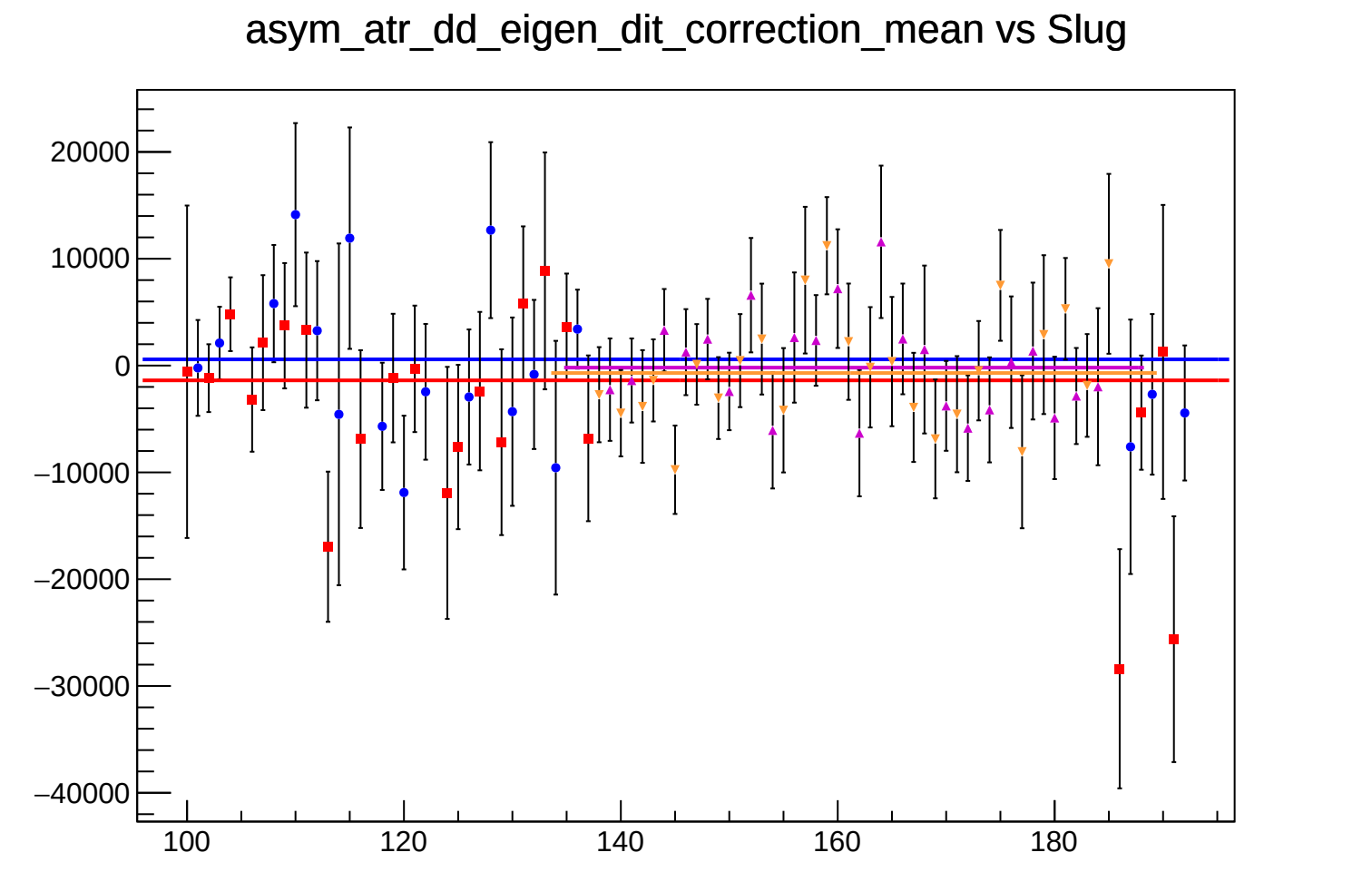
Right Out: 1918.264+/-0.456 χ^2/NDF: 377076.1/22

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1879.393+/-0.251 χ^2/NDF: 737522.9/43

All: 1877.995+/-0.179 χ^2/NDF: 1143213.6/89

- sign 1876.563+/-0.254 χ^2/NDF: 405628.2/45



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

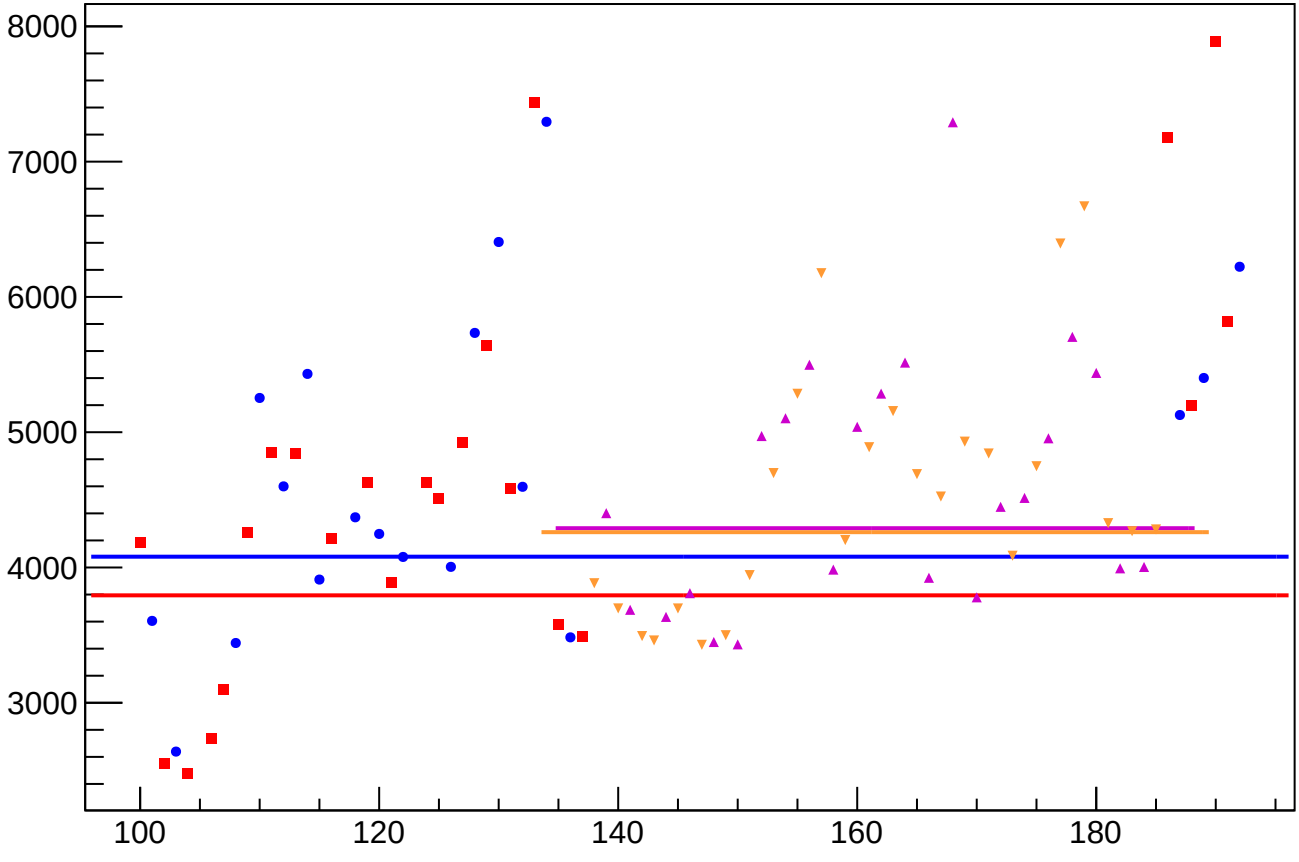
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -280.568+/-812.228 χ^2/NDF: 40.7/43

All: -465.284+/-571.635 χ^2/NDF: 82.6/89

- sign -646.571+/-804.653 χ^2/NDF: 41.8/45

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4079.905+/-1.004 χ^2/NDF: 1217264.7/18

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

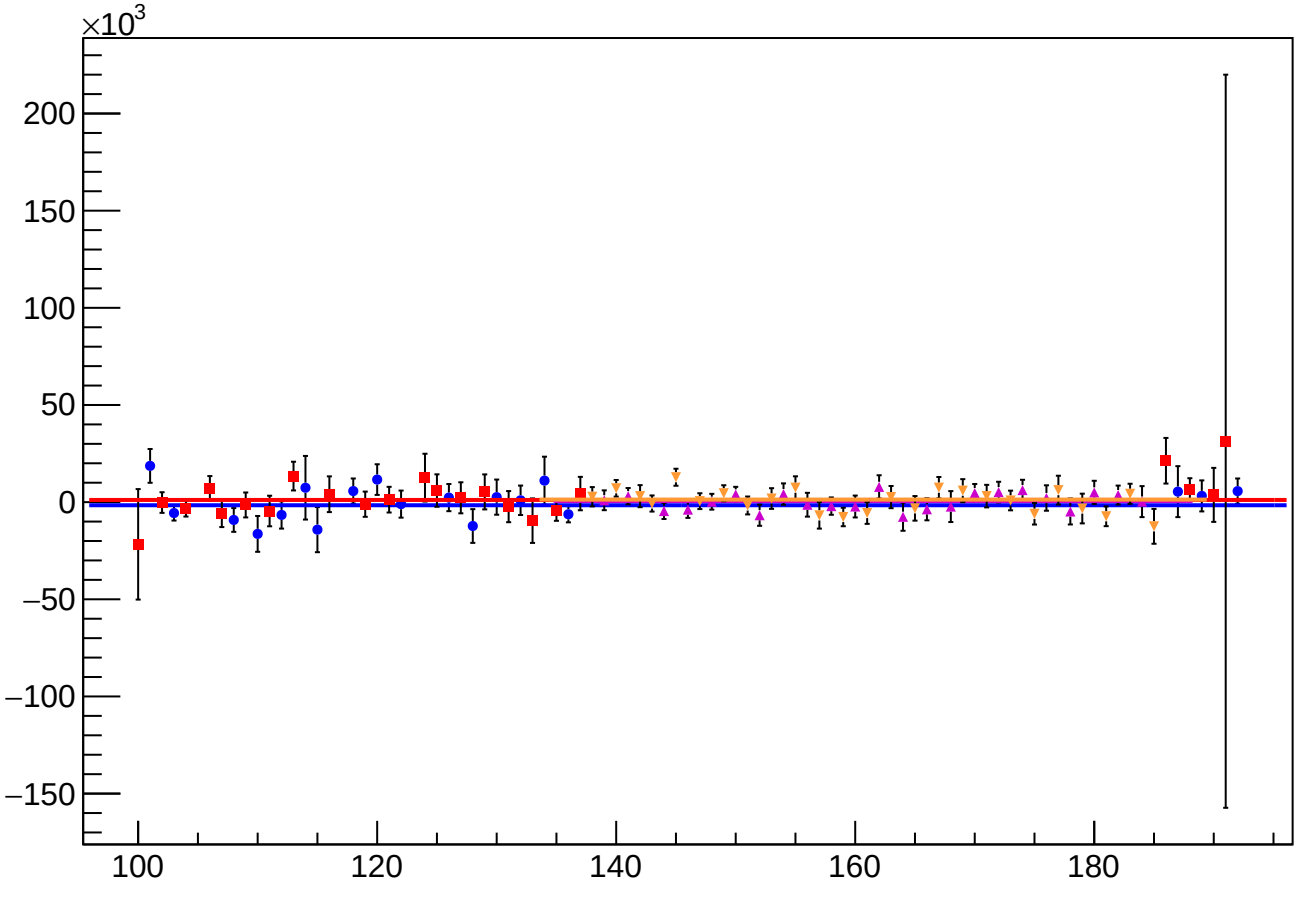
Right Out: 3794.137+/-0.922 χ^2/NDF: 1828896.5/22

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4201.881+/-0.574 χ^2/NDF: 2429738.7/43

All: 4151.213+/-0.404 χ^2/NDF: 5667384.3/89

- sign 4101.485+/-0.569 χ^2/NDF: 3222224.4/45



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

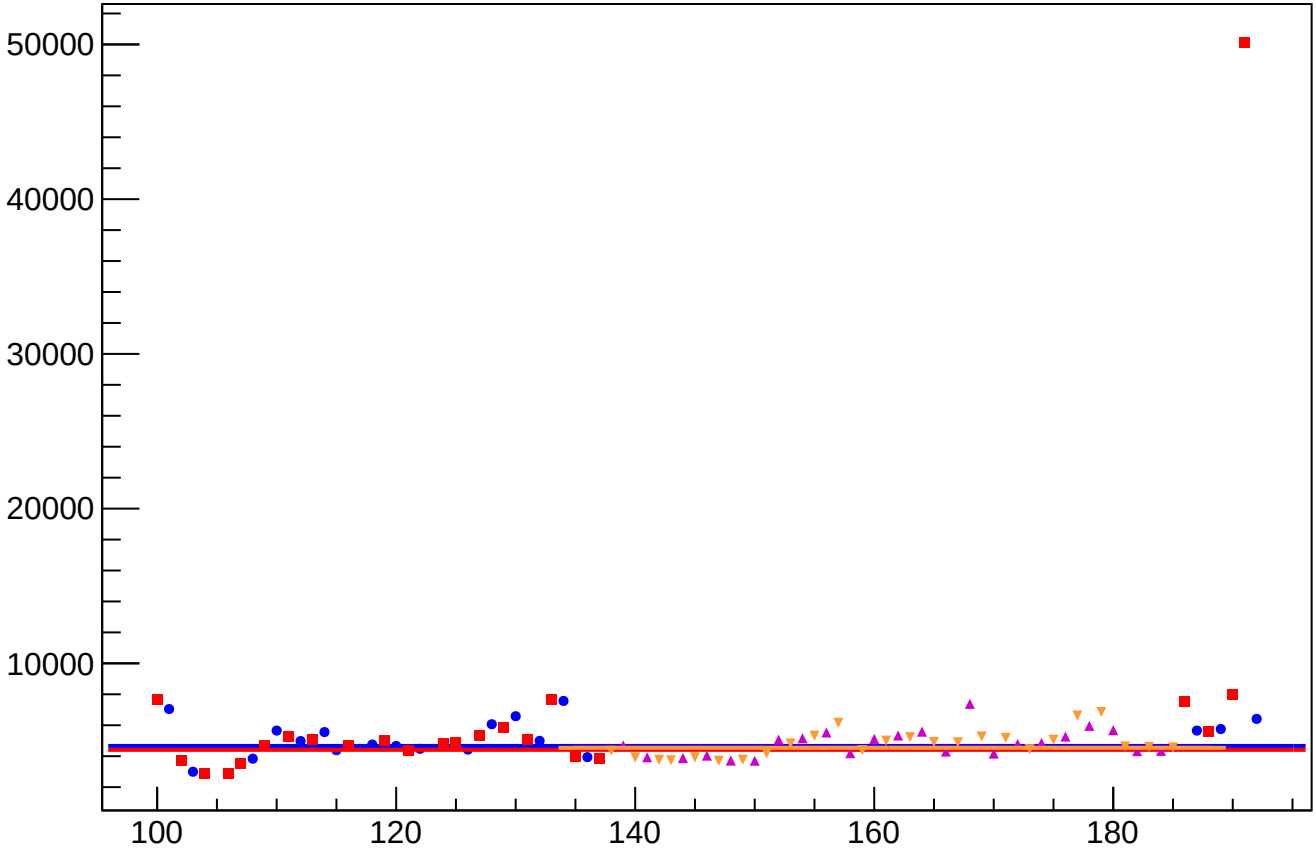
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 438.643+/-880.092 χ^2/NDF: 53.7/43

All: 597.828+/-624.052 χ^2/NDF: 83.2/89

- sign 758.797+/-885.013 χ^2/NDF: 29.4/45

asym_atr_dd_rms vs Slug



Right In: 4661.695+/-1.142 χ^2/NDF: 1109194.7/18

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

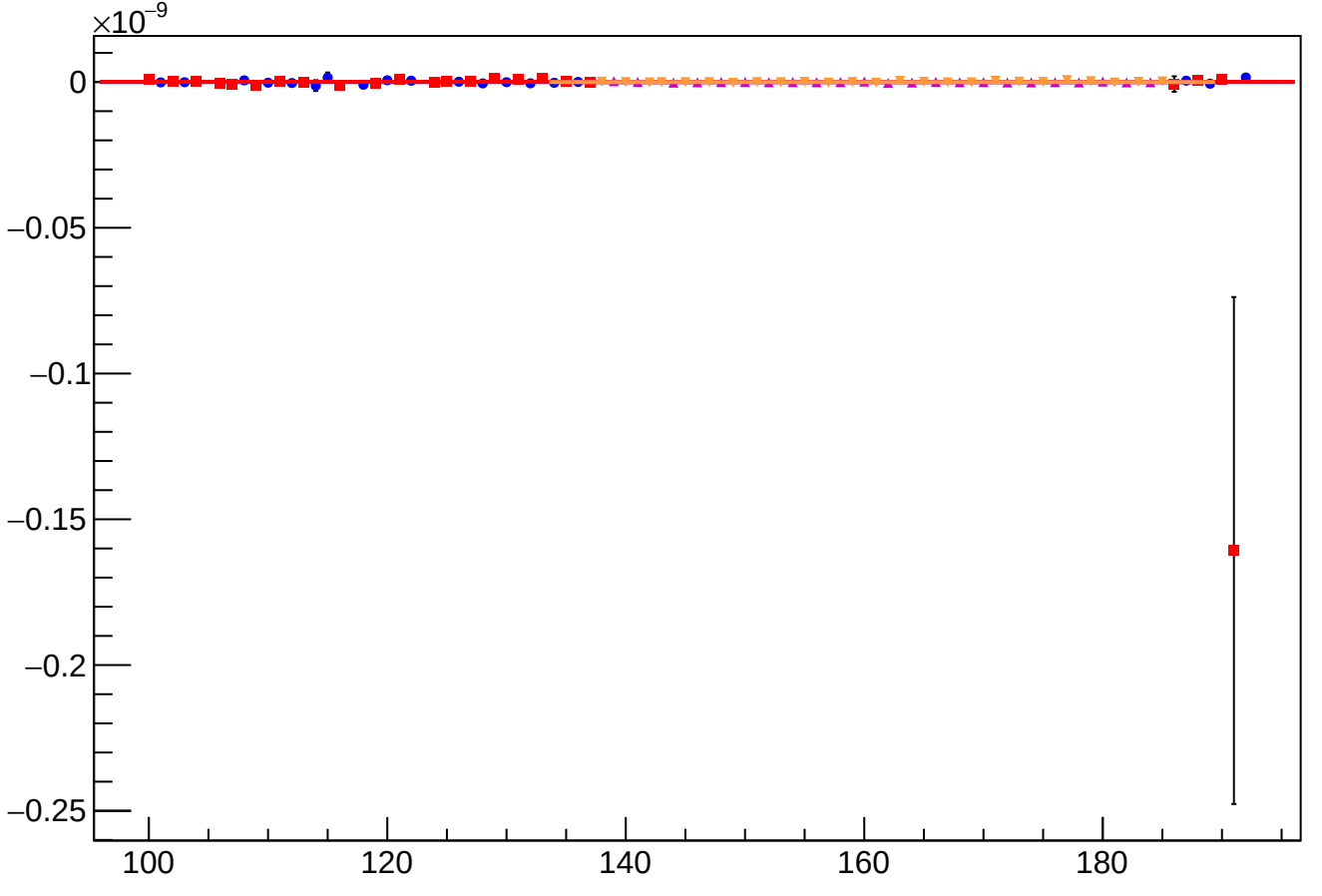
Right Out: 4409.597+/-1.080 χ^2/NDF: 1362480.3/22

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4574.673+/-0.622 χ^2/NDF: 2110355.2/43

All: 4542.458+/-0.441 χ^2/NDF: 4471419.7/89

- sign 4510.042+/-0.624 χ^2/NDF: 2355688.4/45



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

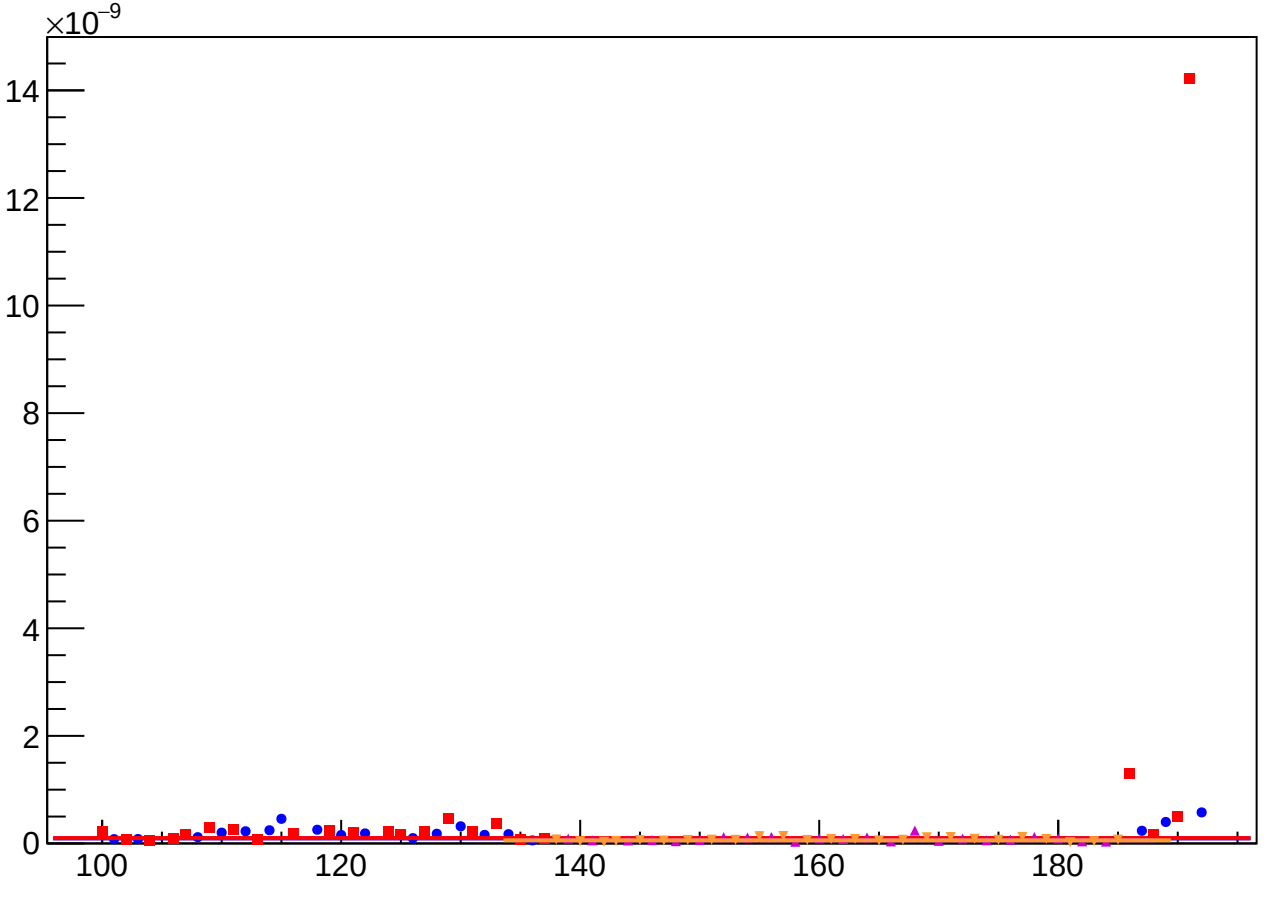
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.6/43

All: -0.000+/-0.000 χ^2/NDF: 104.3/89

- sign -0.000+/-0.000 χ^2/NDF: 49.1/45

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



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

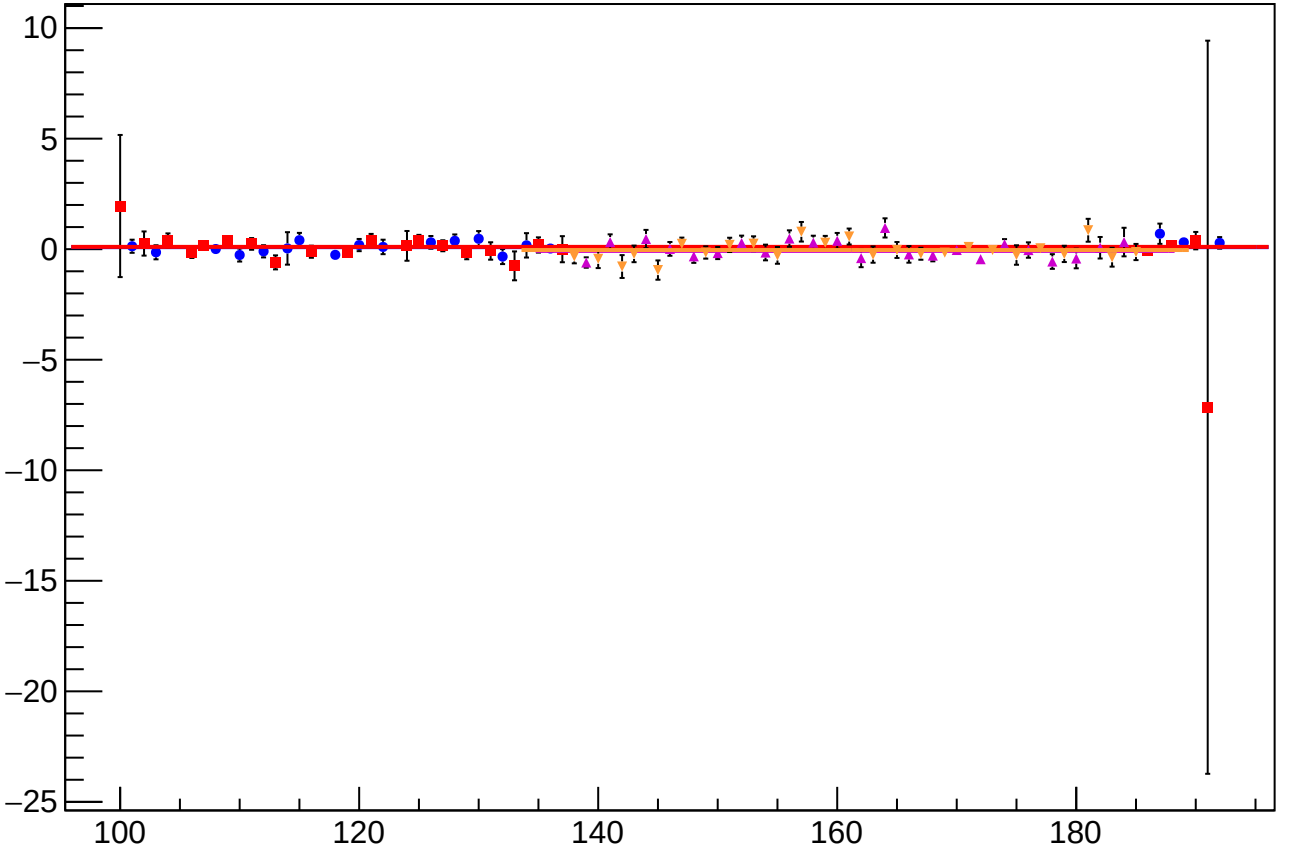
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4671036.9/43

All: 0.000+/-0.000 χ^2/NDF: 9920558.1/89

- sign 0.000+/-0.000 χ^2/NDF: 5247438.2/45

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



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

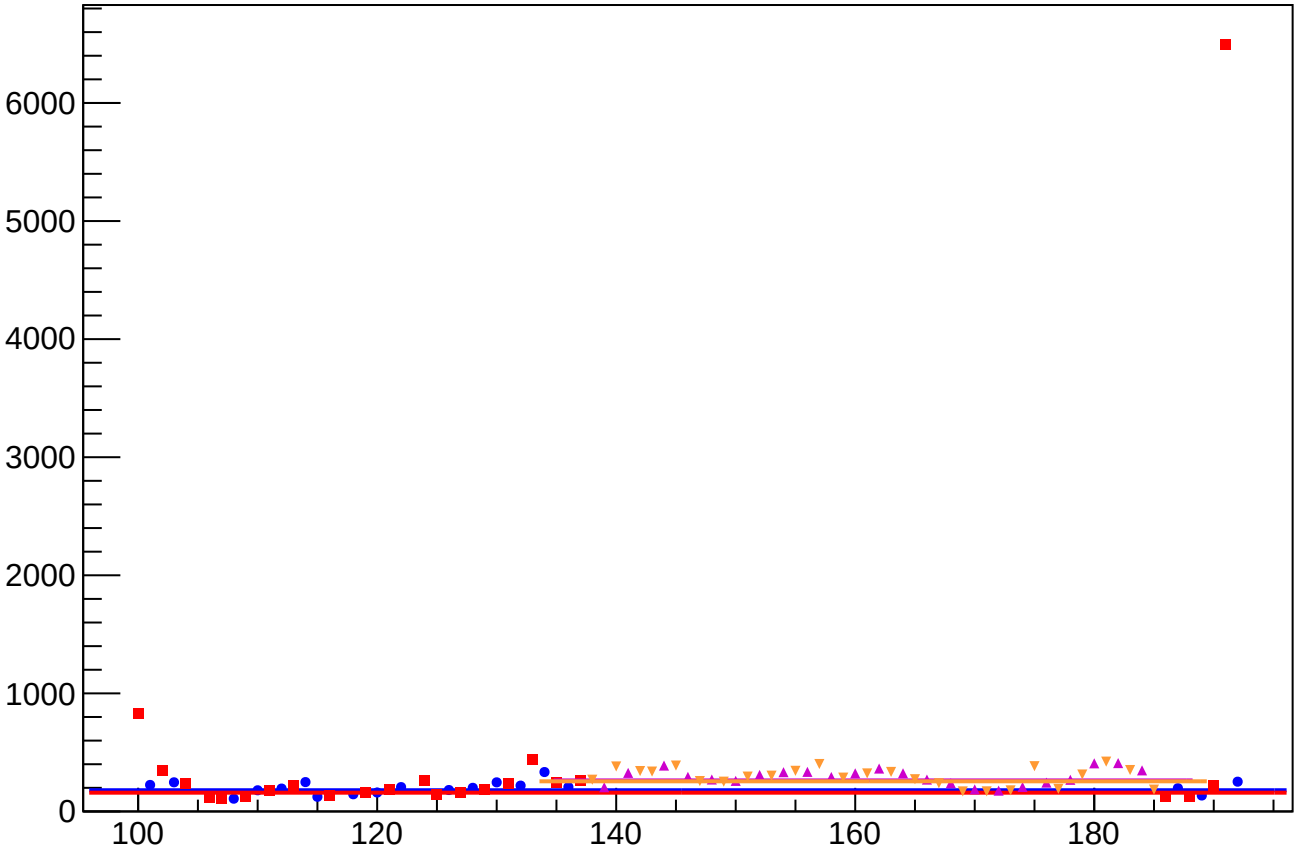
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.044 χ^2/NDF: 41.3/43

All: 0.025+/-0.031 χ^2/NDF: 96.1/89

- sign 0.024+/-0.043 χ^2/NDF: 54.8/45

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



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

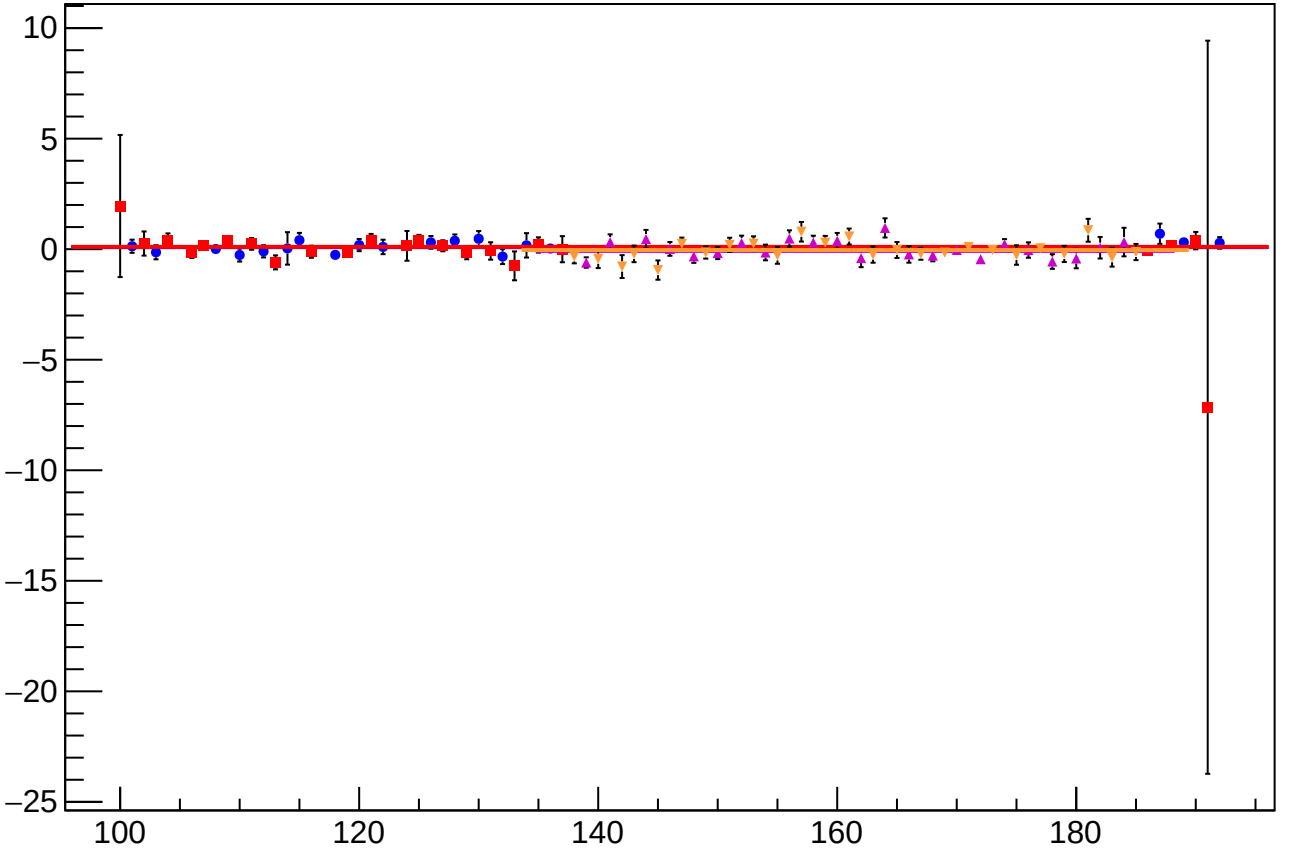
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 218.585+/-0.031 χ^2/NDF: 5565798.0/43

All: 211.422+/-0.022 χ^2/NDF: 12498368.3/89

- sign 204.692+/-0.030 χ^2/NDF: 6831642.9/45

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



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

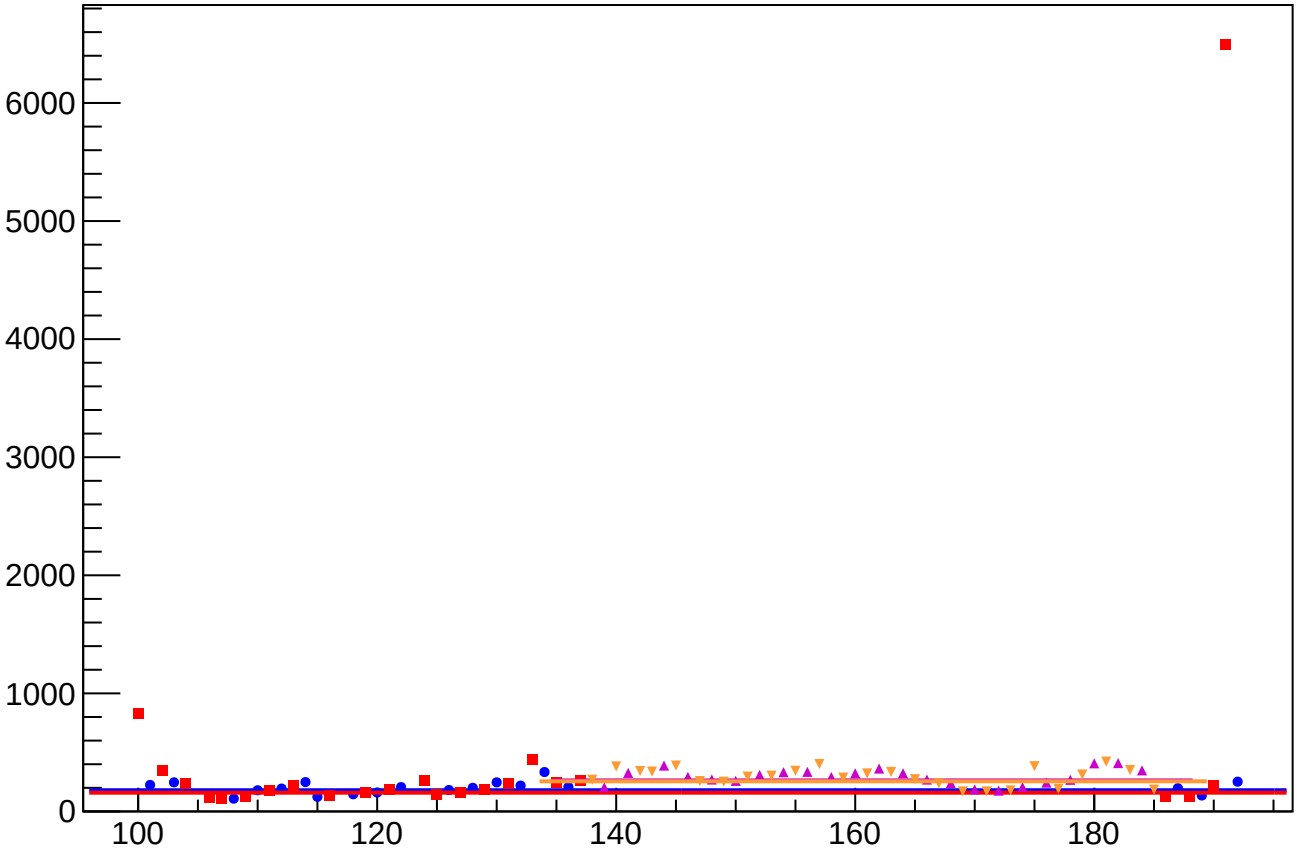
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.044 χ^2/NDF: 41.3/43

All: 0.025+/-0.031 χ^2/NDF: 96.1/89

- sign 0.024+/-0.043 χ^2/NDF: 54.8/45

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 179.657+/-0.045 χ^2/NDF: 1178644.2/18

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

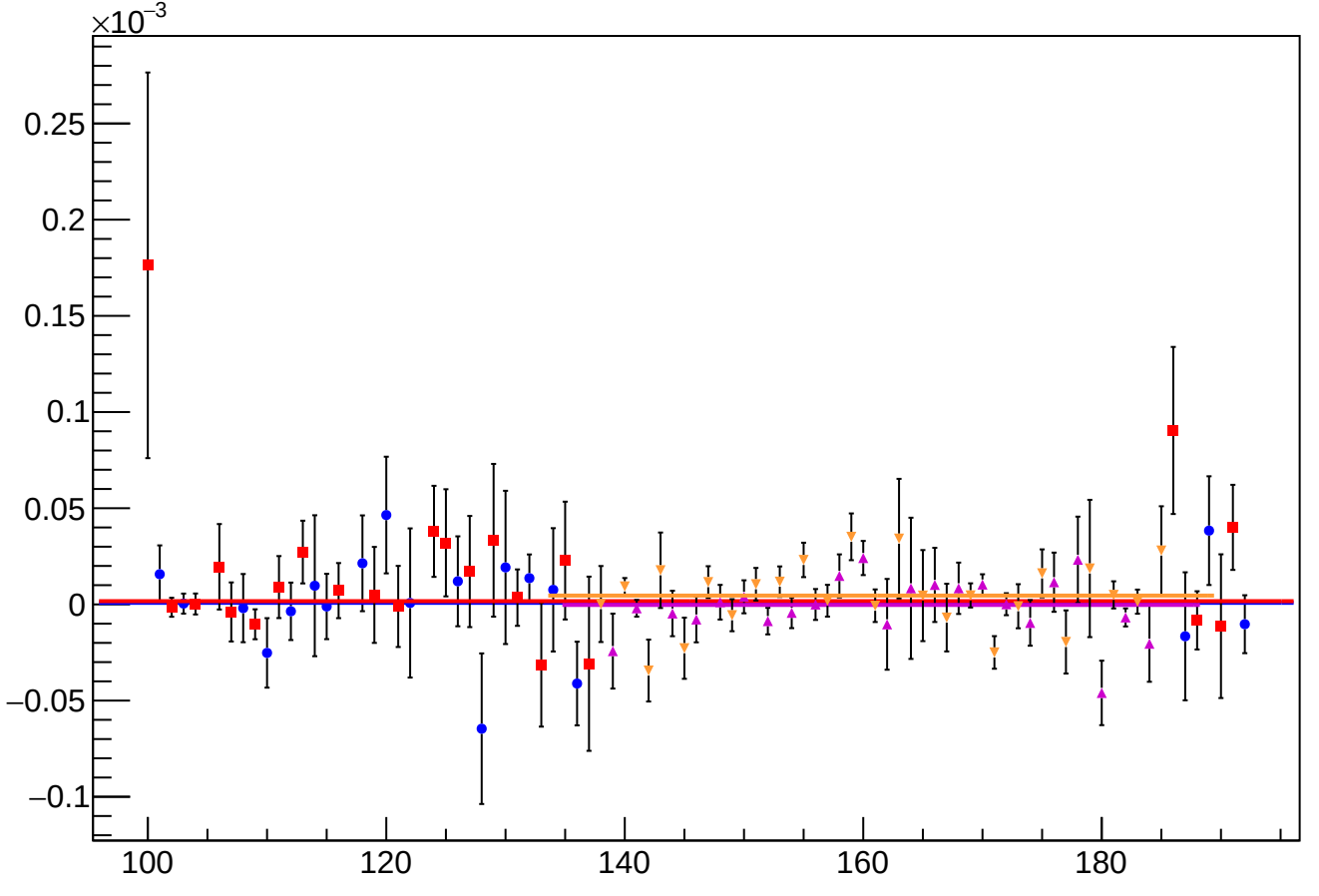
Right Out: 159.026+/-0.041 χ^2/NDF: 1942644.0/22

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 218.585+/-0.031 χ^2/NDF: 5565798.0/43

All: 211.422+/-0.022 χ^2/NDF: 12498368.3/89

- sign 204.692+/-0.030 χ^2/NDF: 6831642.9/45



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

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

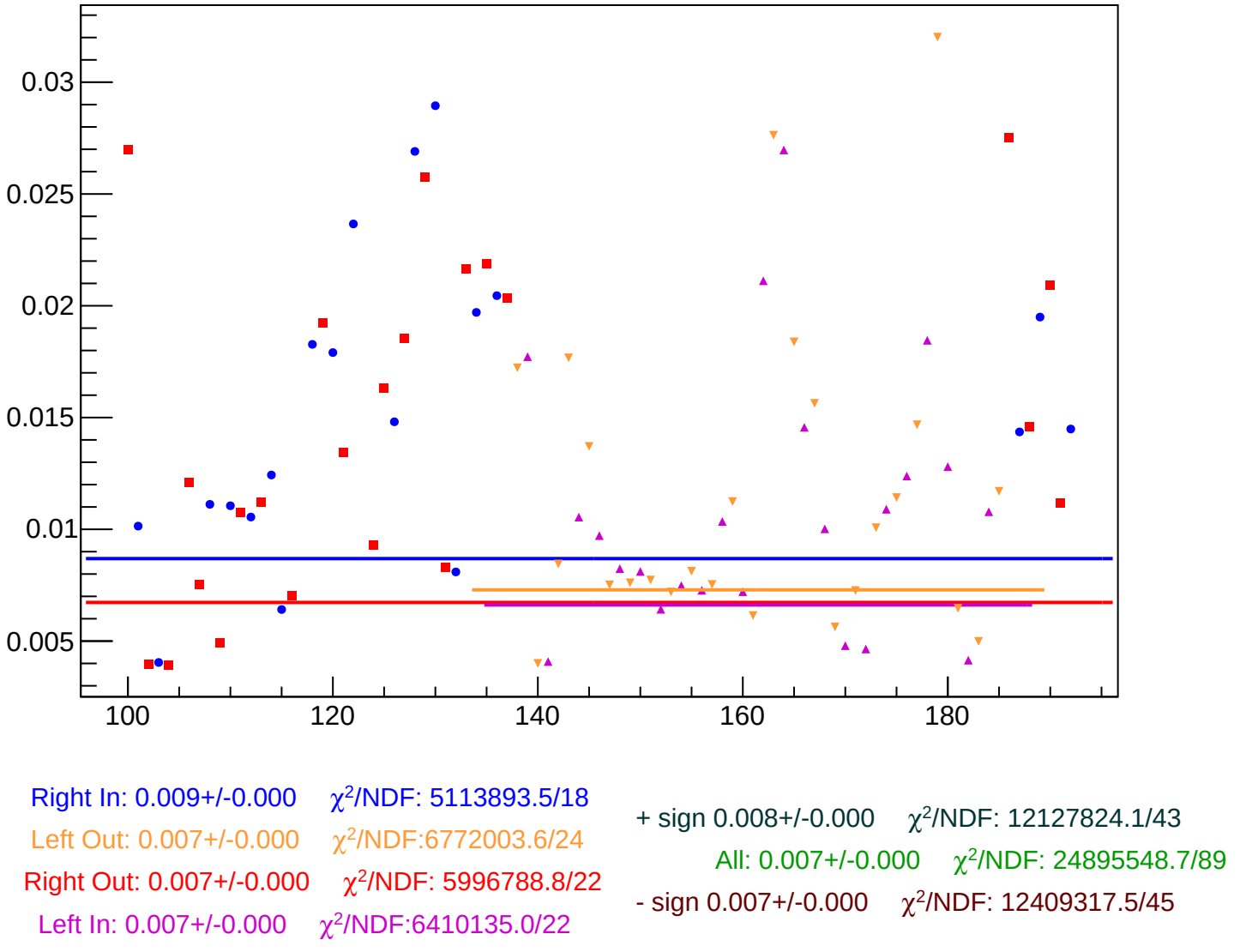
Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/22

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

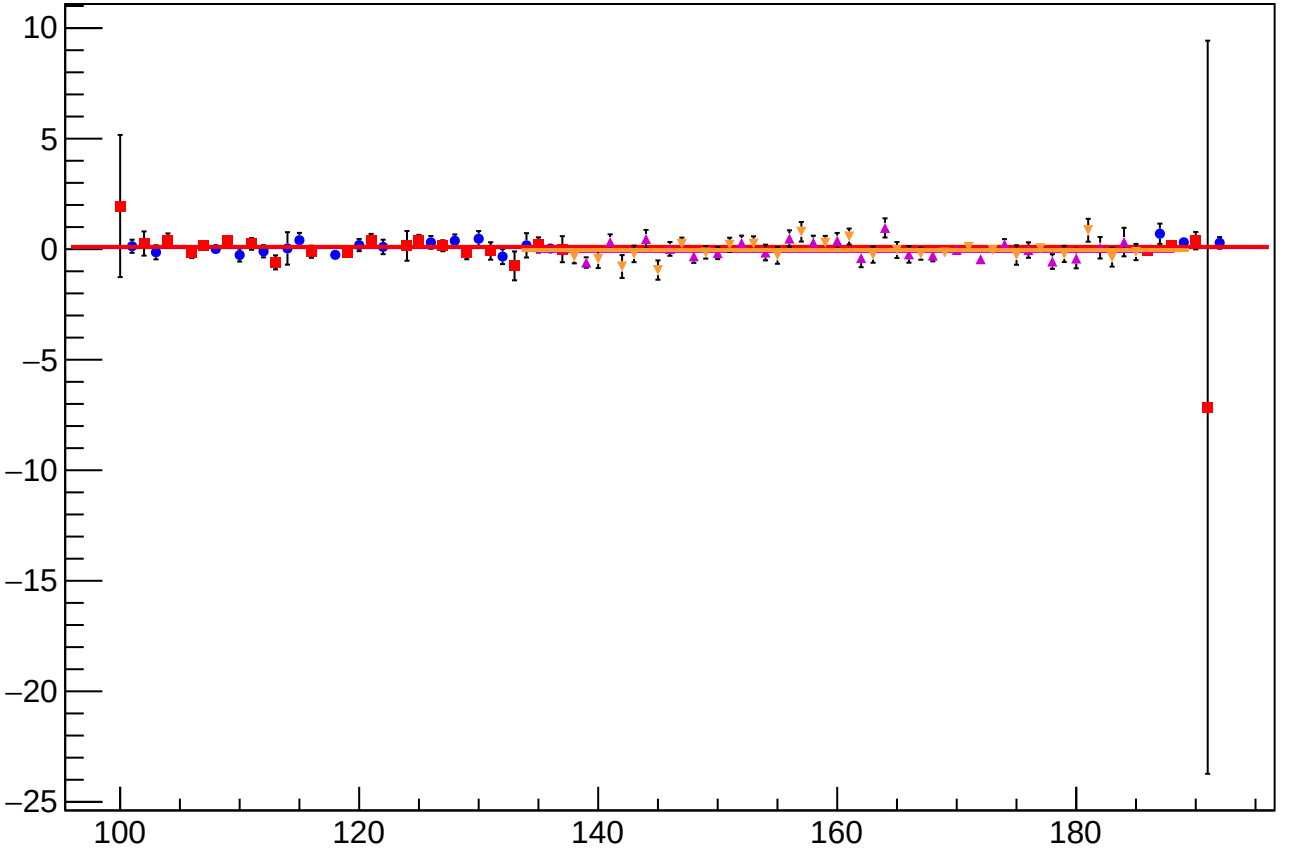
+ sign 0.000+/-0.000 χ^2/NDF: 61.1/43

All: 0.000+/-0.000 χ^2/NDF: 118.9/89

- sign 0.000+/-0.000 χ^2/NDF: 55.4/45


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
Right In: 0.009+/-0.000 χ²/NDF: 5113893.5/18
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.007+/-0.000 χ²/NDF: 5996788.8/22
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
+ sign 0.008+/-0.000 χ²/NDF: 12127824.1/43
All: 0.007+/-0.000 χ²/NDF: 24895548.7/89
- sign 0.007+/-0.000 χ²/NDF: 12409317.5/45

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

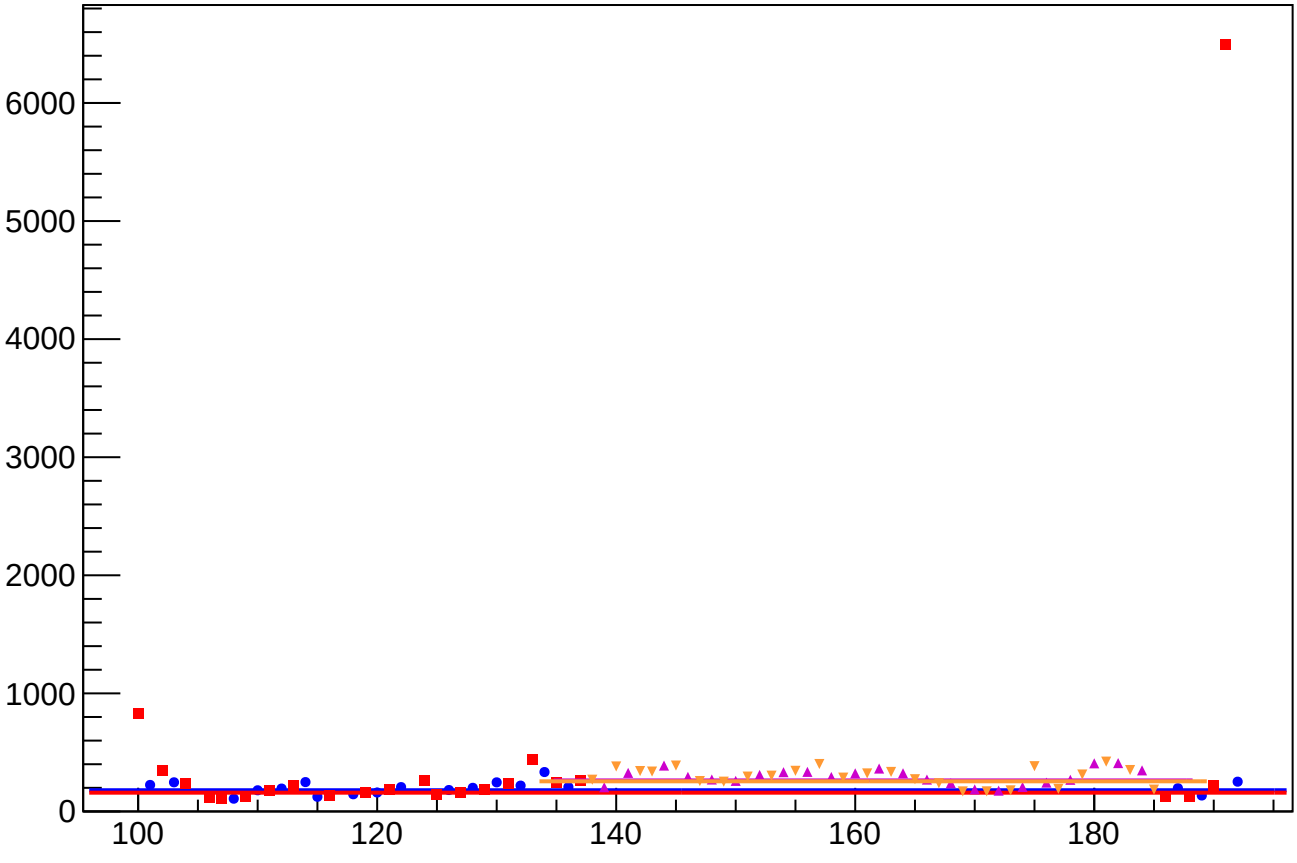
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.044 χ^2/NDF: 41.3/43

All: 0.025+/-0.031 χ^2/NDF: 96.1/89

- sign 0.024+/-0.043 χ^2/NDF: 54.8/45

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 179.657+/-0.045 χ^2/NDF: 1178612.4/18

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

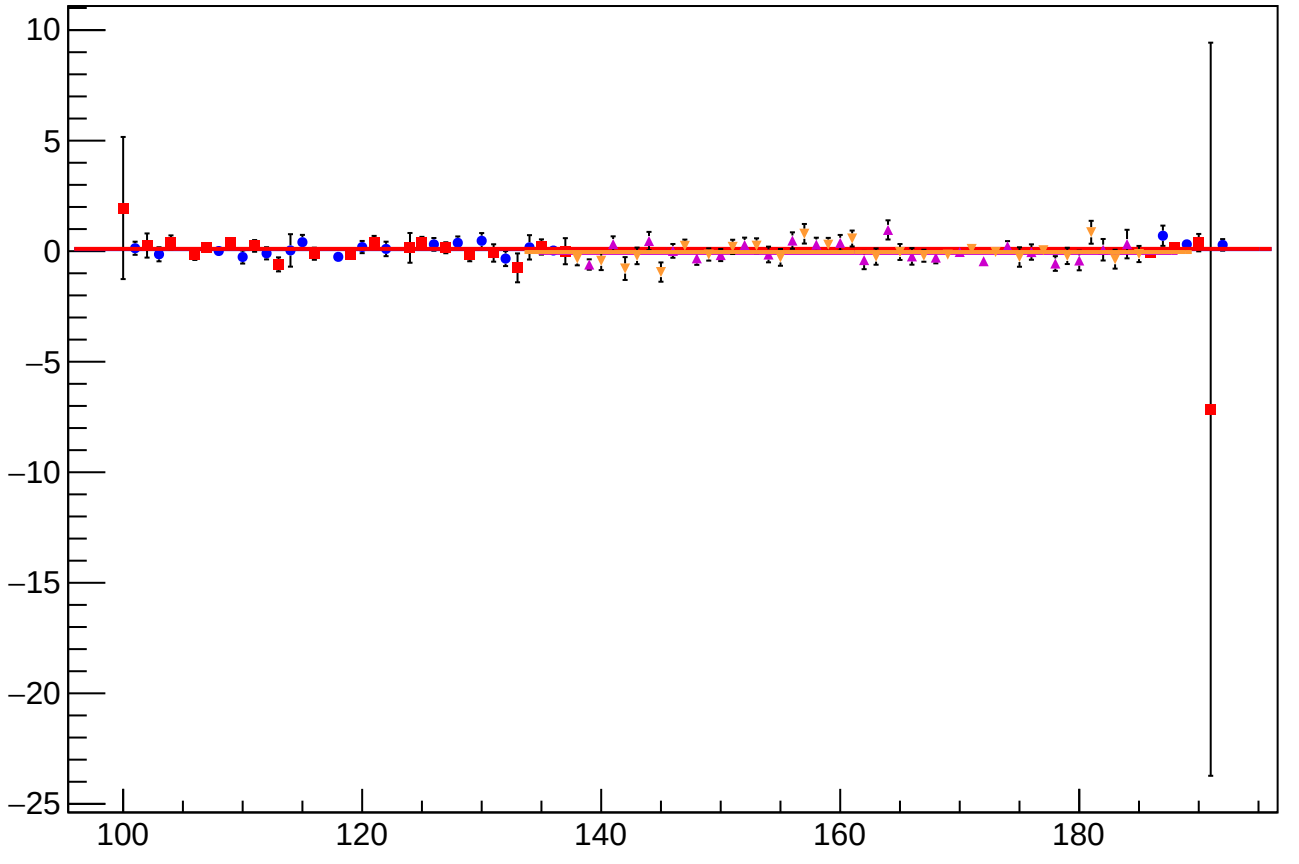
Right Out: 159.027+/-0.041 χ^2/NDF: 1942577.5/22

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 218.585+/-0.031 χ^2/NDF: 5565955.2/43

All: 211.423+/-0.022 χ^2/NDF: 12498497.7/89

- sign 204.694+/-0.030 χ^2/NDF: 6831635.6/45



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

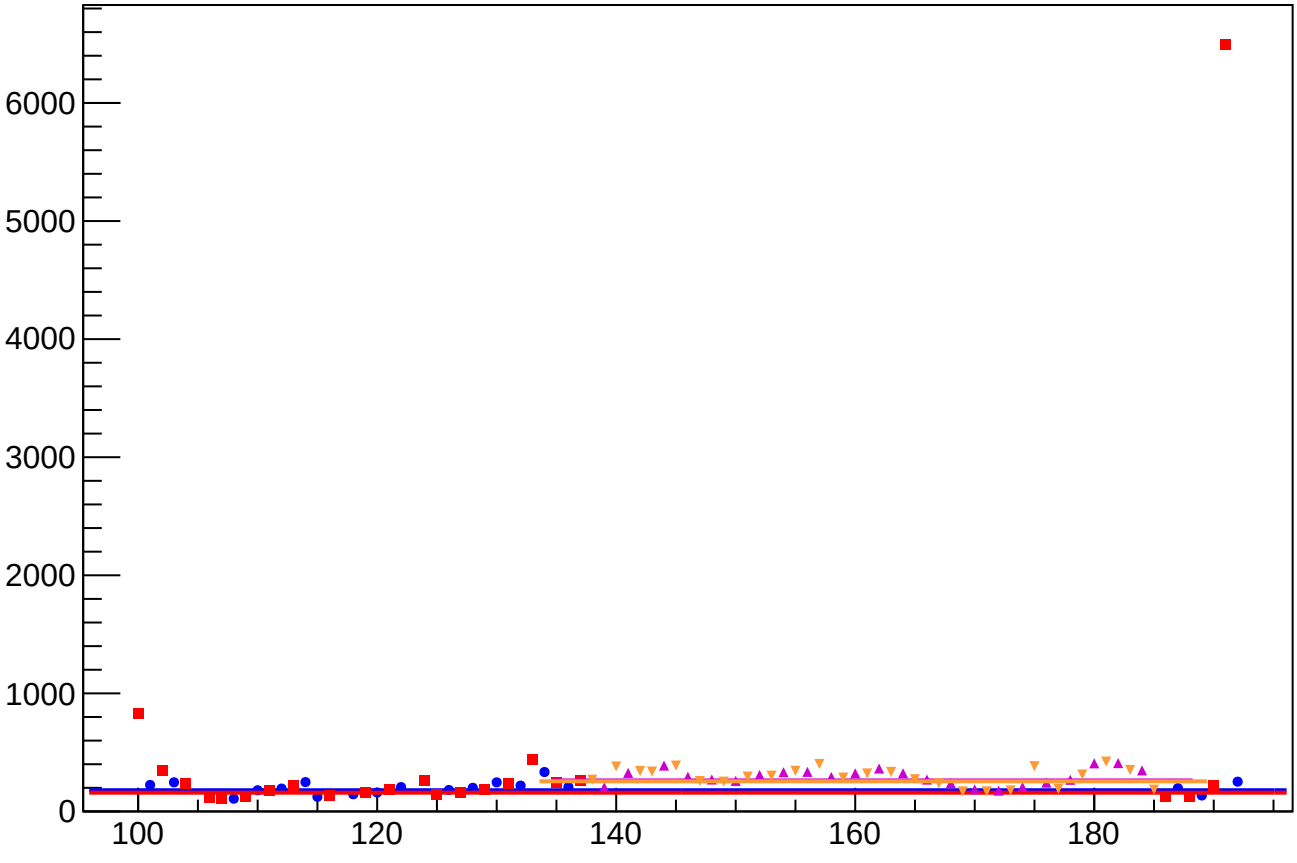
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.044 χ^2/NDF: 41.3/43

All: 0.025+/-0.031 χ^2/NDF: 96.1/89

- sign 0.024+/-0.043 χ^2/NDF: 54.8/45

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 179.657+/-0.045 χ^2/NDF: 1178612.4/18

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

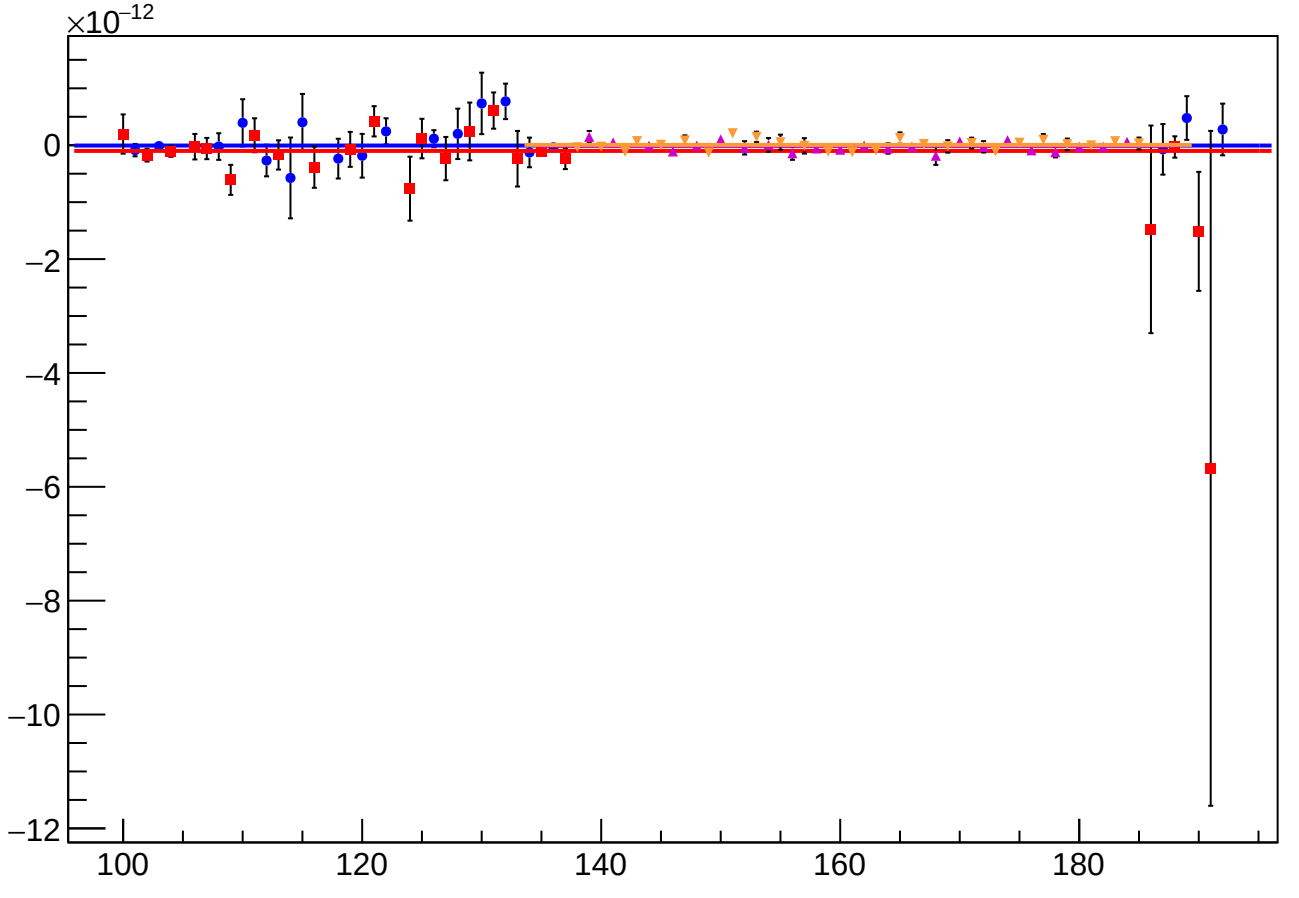
Right Out: 159.027+/-0.041 χ^2/NDF: 1942577.5/22

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 218.585+/-0.031 χ^2/NDF: 5565955.2/43

All: 211.423+/-0.022 χ^2/NDF: 12498497.7/89

- sign 204.694+/-0.030 χ^2/NDF: 6831635.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

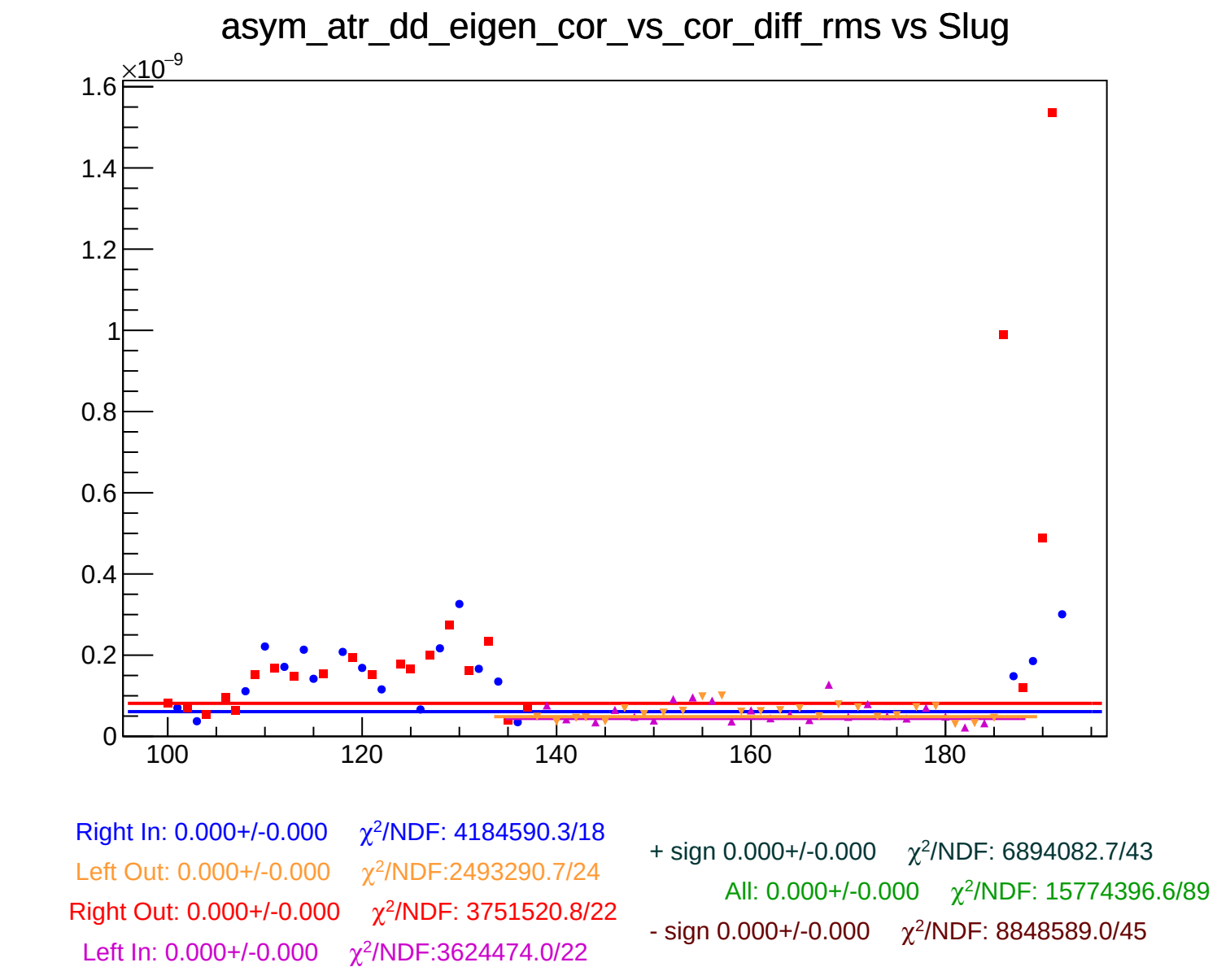
Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/22

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

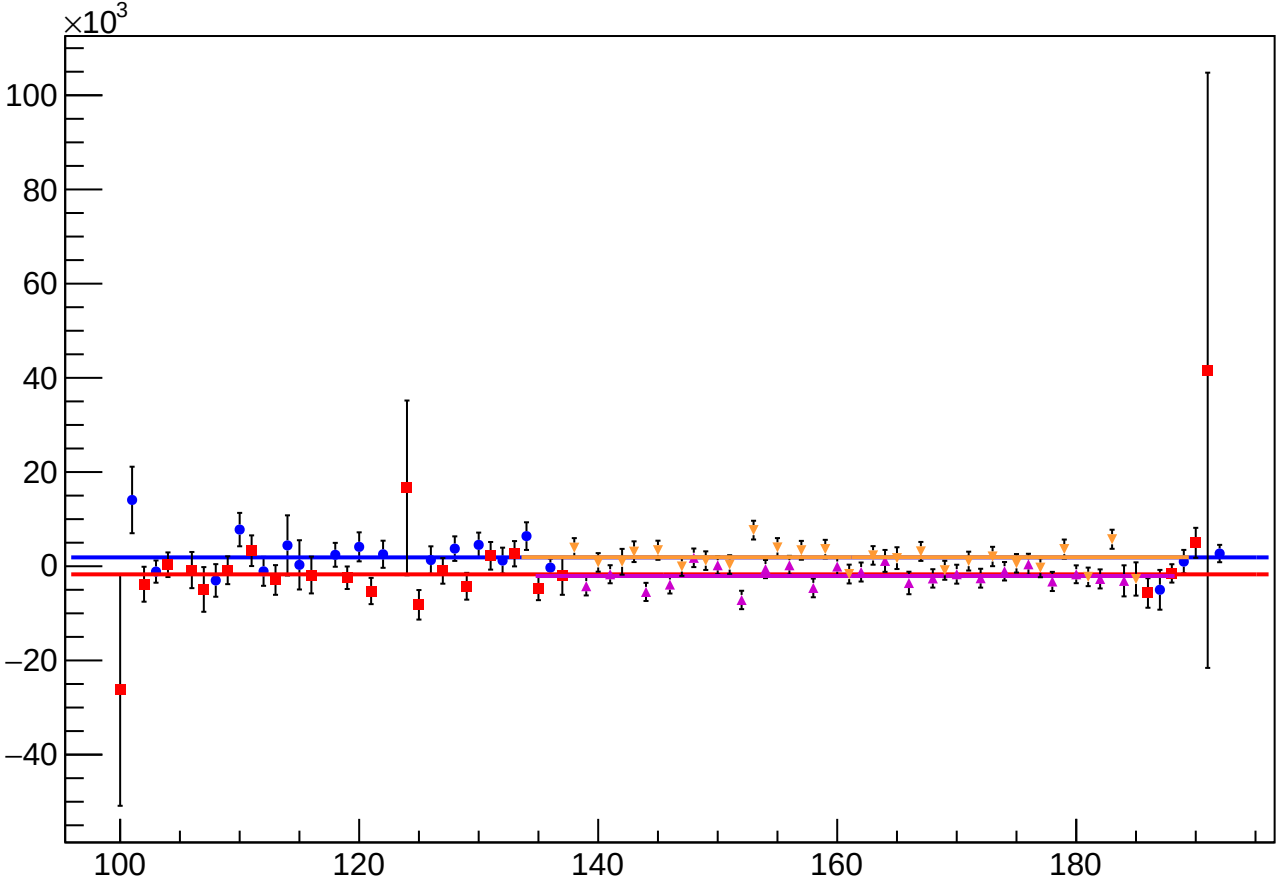
+ sign 0.000+/-0.000 χ^2/NDF: 47.7/43

All: -0.000+/-0.000 χ^2/NDF: 96.6/89

- sign -0.000+/-0.000 χ^2/NDF: 47.5/45


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 4184590.3/18
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 3751520.8/22
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
+ sign 0.000+/-0.000 χ²/NDF: 6894082.7/43
All: 0.000+/-0.000 χ²/NDF: 15774396.6/89
- sign 0.000+/-0.000 χ²/NDF: 8848589.0/45

reg_asym_at1_avg_mean vs Slug



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

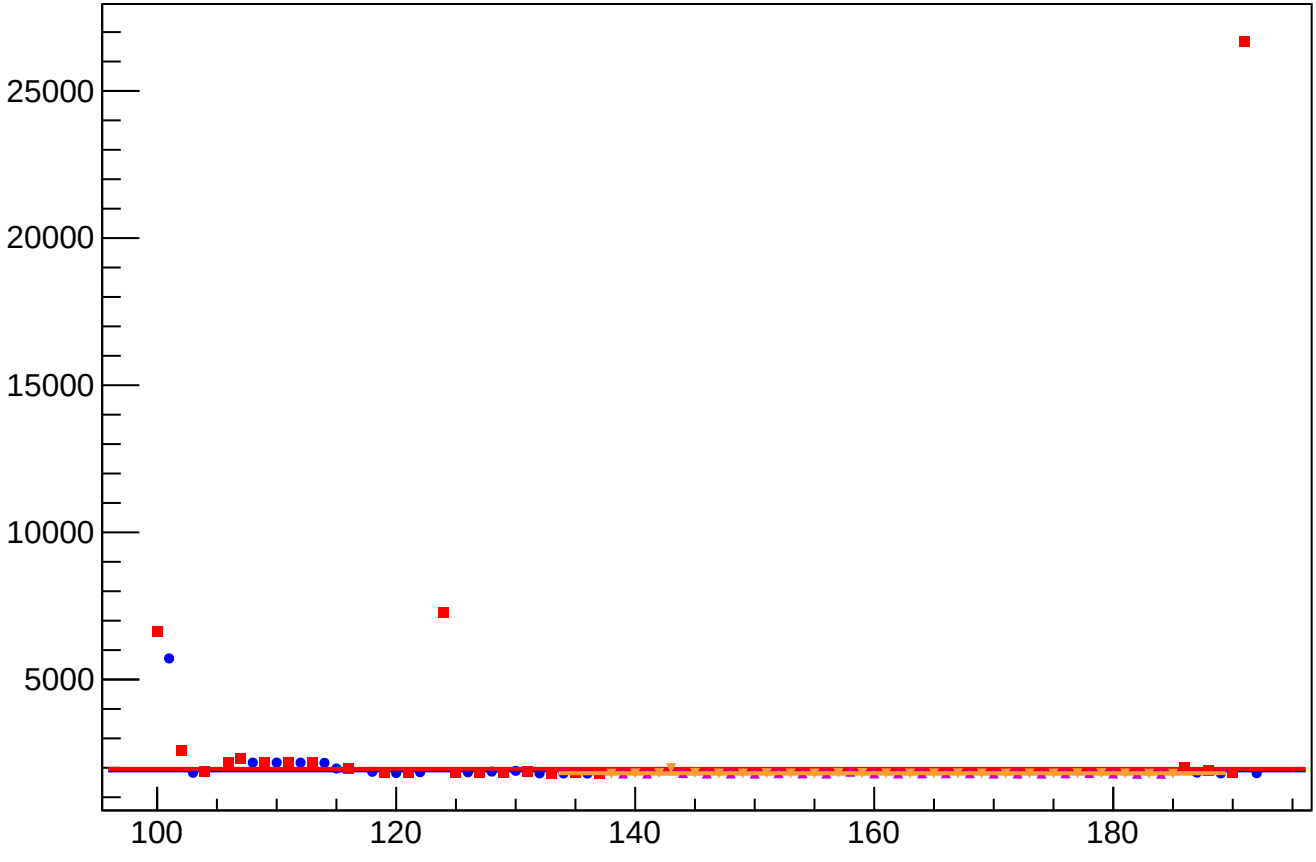
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1909.321+/-348.744 χ^2/NDF: 52.0/43

All: 9.201+/-249.132 χ^2/NDF: 164.4/89

- sign -1971.033+/-356.020 χ^2/NDF: 51.8/45

reg_asym_at1_avg_rms vs Slug



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

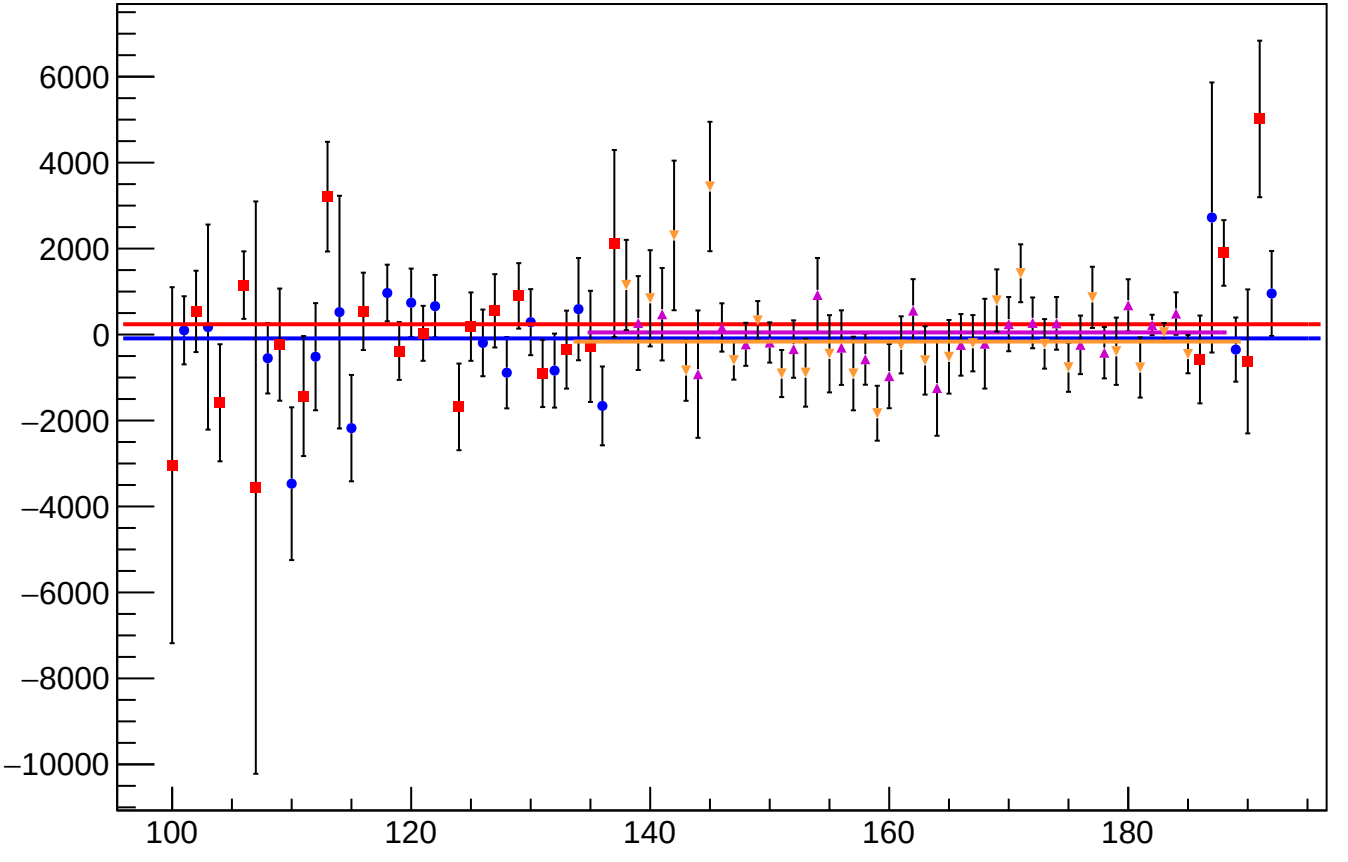
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.376+/-0.247 χ^2/NDF: 692134.3/43

All: 1850.492+/-0.176 χ^2/NDF: 1462501.7/89

- sign 1856.867+/-0.252 χ^2/NDF: 769111.0/45

asym_at1_avg_reg_correction_mean vs Slug



Right In: -89.560+/-214.411 χ^2/NDF: 19.0/18

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

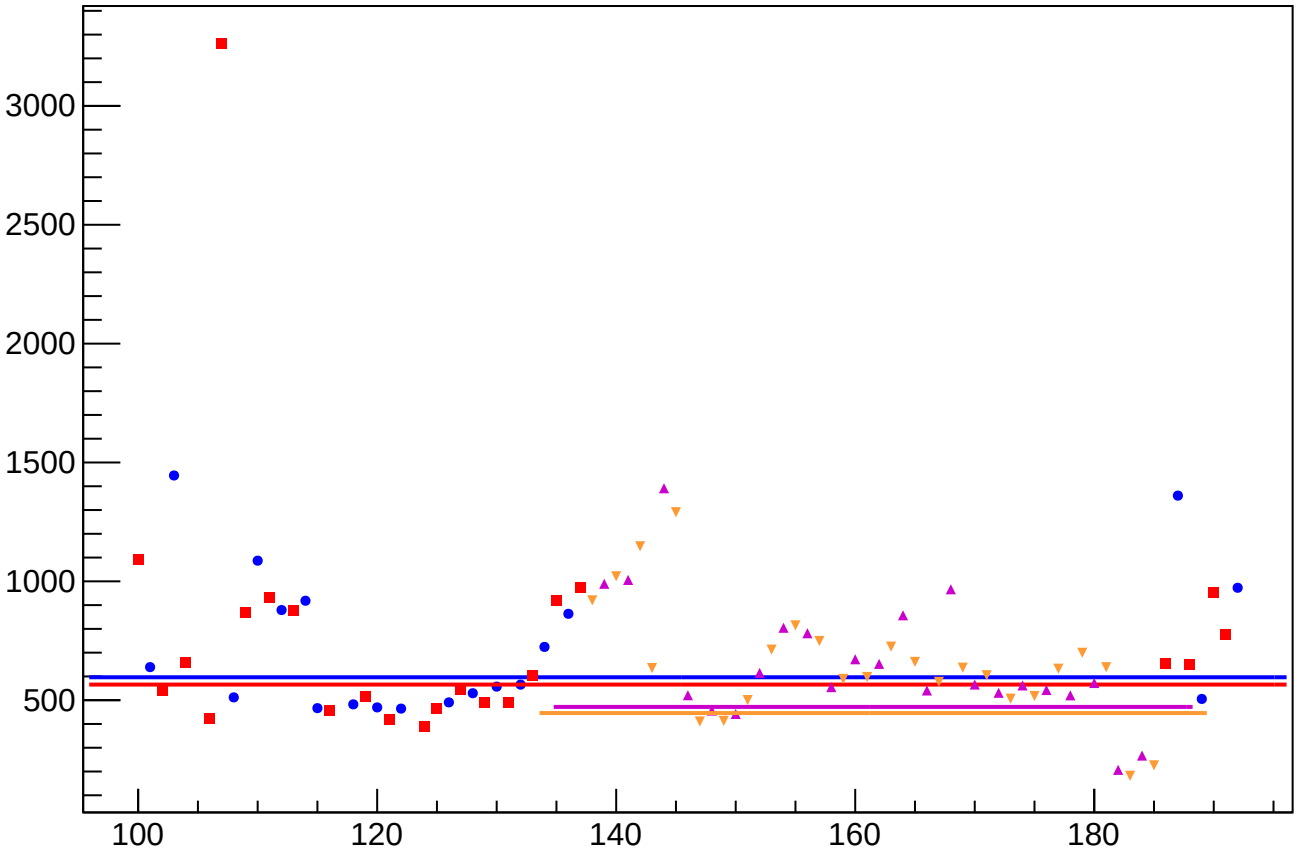
Right Out: 239.663+/-205.776 χ^2/NDF: 32.8/22

Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -146.524+/-101.545 χ^2/NDF: 55.9/43

All: -28.207+/-73.122 χ^2/NDF: 103.5/89

- sign 99.218+/-105.381 χ^2/NDF: 44.7/45



Right In: 596.485+/-0.152 χ^2/NDF: 1451094.1/18

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

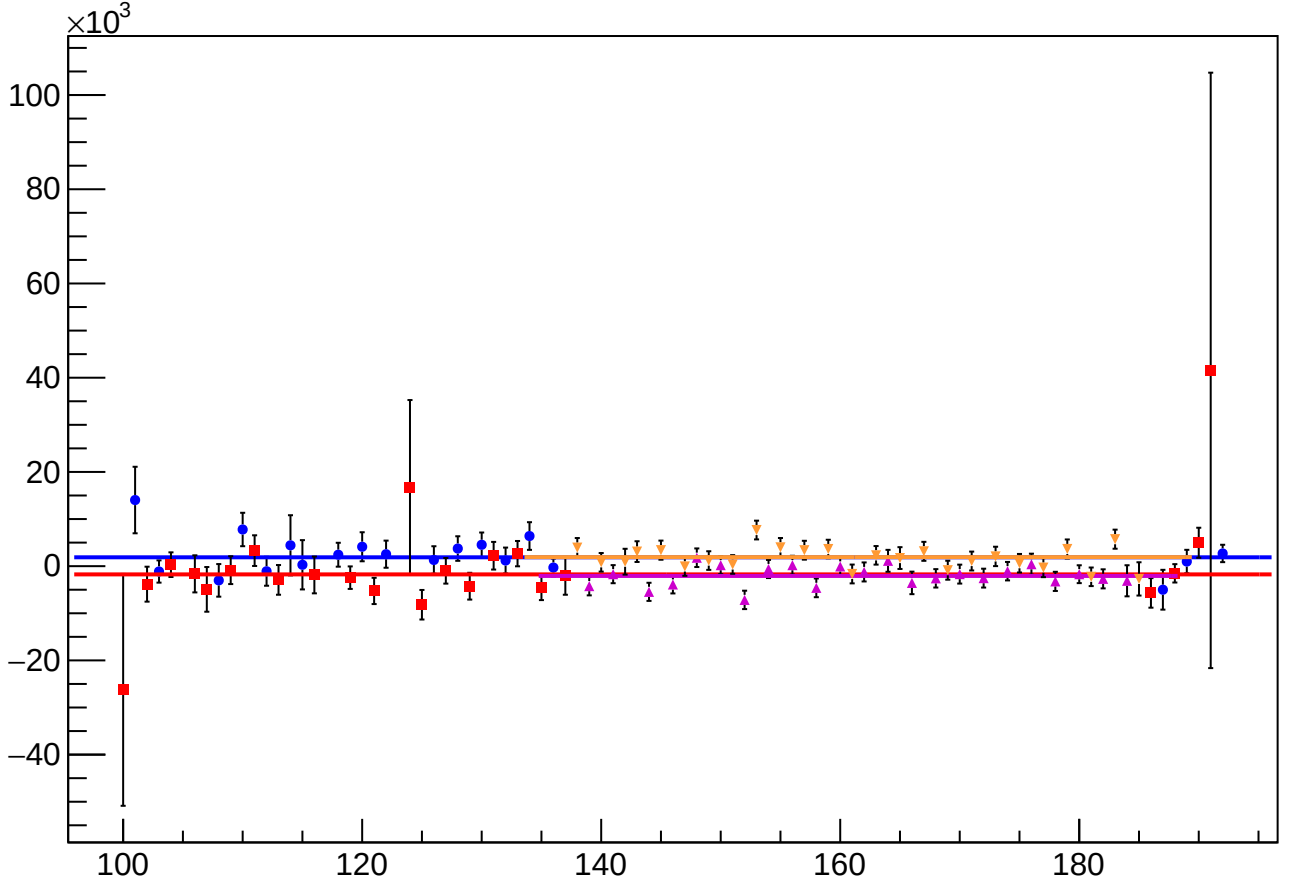
Right Out: 565.724+/-0.146 χ^2/NDF: 1479223.2/22

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 479.670+/-0.072 χ^2/NDF: 10198856.3/43

All: 487.722+/-0.052 χ^2/NDF: 18425846.1/89

- sign 496.393+/-0.075 χ^2/NDF: 8200876.0/45



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

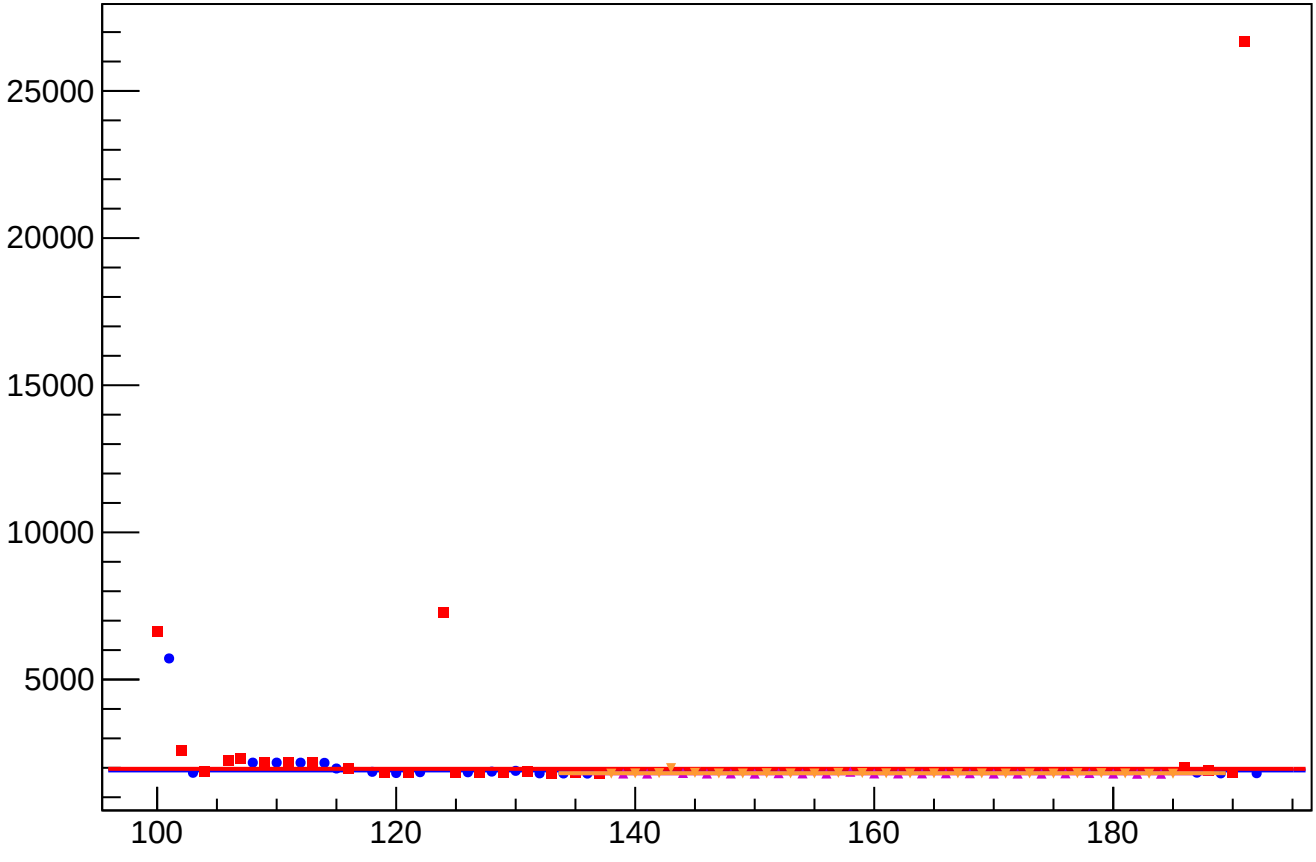
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1909.219+/-348.744 χ^2/NDF: 52.0/43

All: 5.959+/-249.157 χ^2/NDF: 164.5/89

- sign -1978.362+/-356.093 χ^2/NDF: 51.7/45

cor_asym_at1_avg_rms vs Slug



Right In: 1911.192+/-0.461 χ^2/NDF: 649676.0/18

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

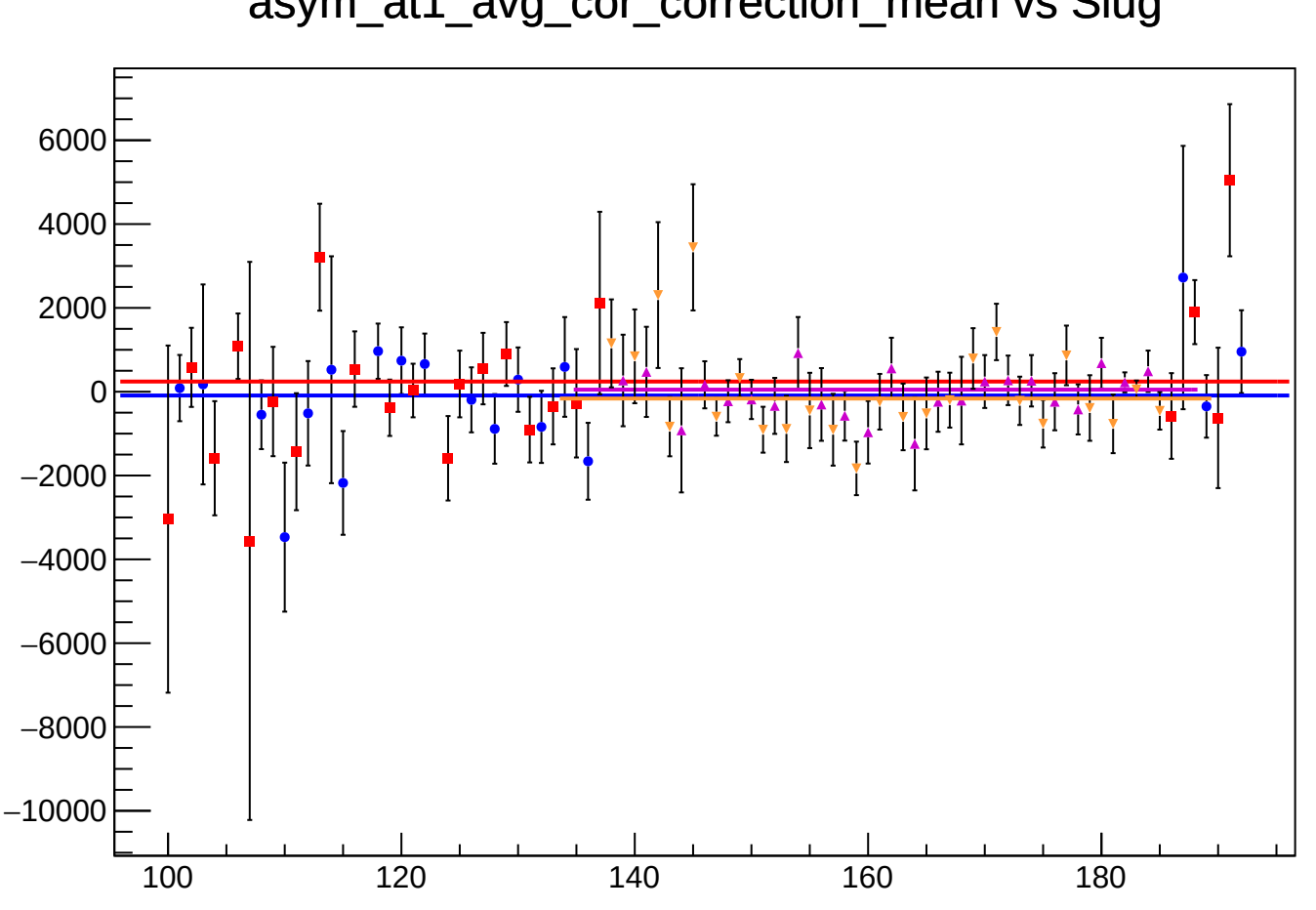
Right Out: 1965.280+/-0.466 χ^2/NDF: 695031.9/22

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.376+/-0.247 χ^2/NDF: 692134.2/43

All: 1850.627+/-0.176 χ^2/NDF: 1466559.3/89

- sign 1857.144+/-0.252 χ^2/NDF: 773112.5/45



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

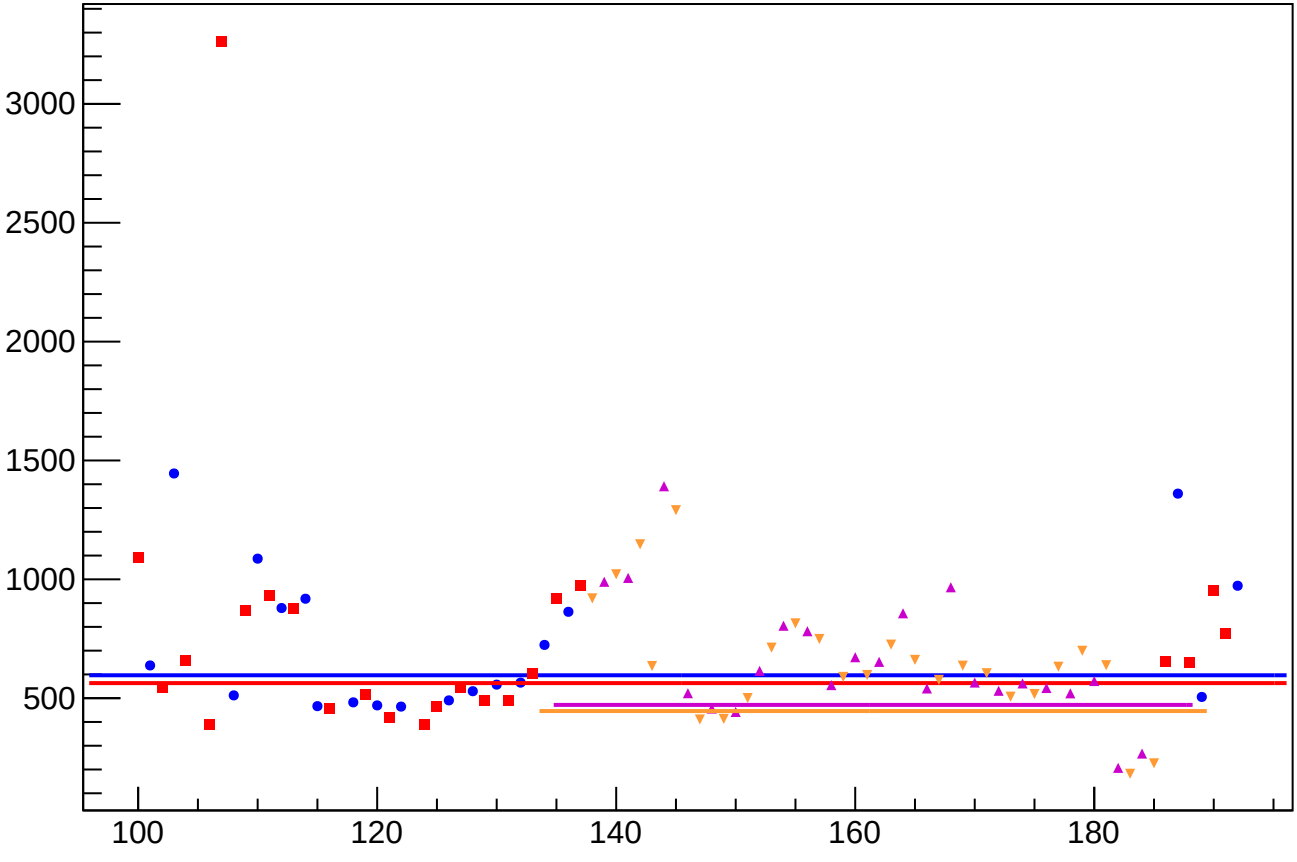
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -146.622+/-101.538 χ^2/NDF: 55.9/43

All: -27.851+/-73.114 χ^2/NDF: 103.1/89

- sign 100.044+/-105.367 χ^2/NDF: 44.4/45

asym_at1_avg_cor_correction_rms vs Slug



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

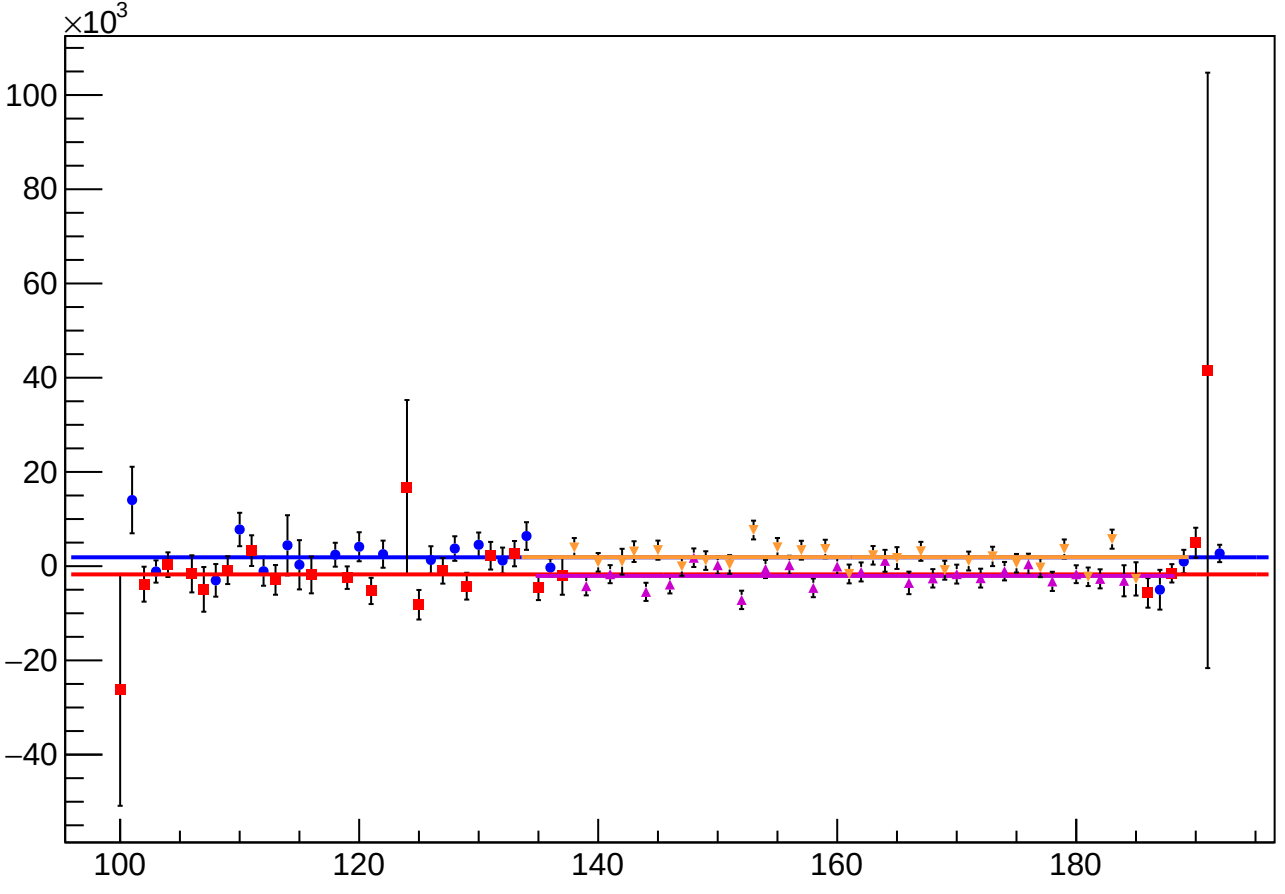
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 479.639+/-0.072 χ^2/NDF: 10199500.8/43

All: 487.434+/-0.052 χ^2/NDF: 18445300.8/89

- sign 495.828+/-0.075 χ^2/NDF: 8221320.6/45

eigen_cor_asym_at1_avg_mean vs Slug



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

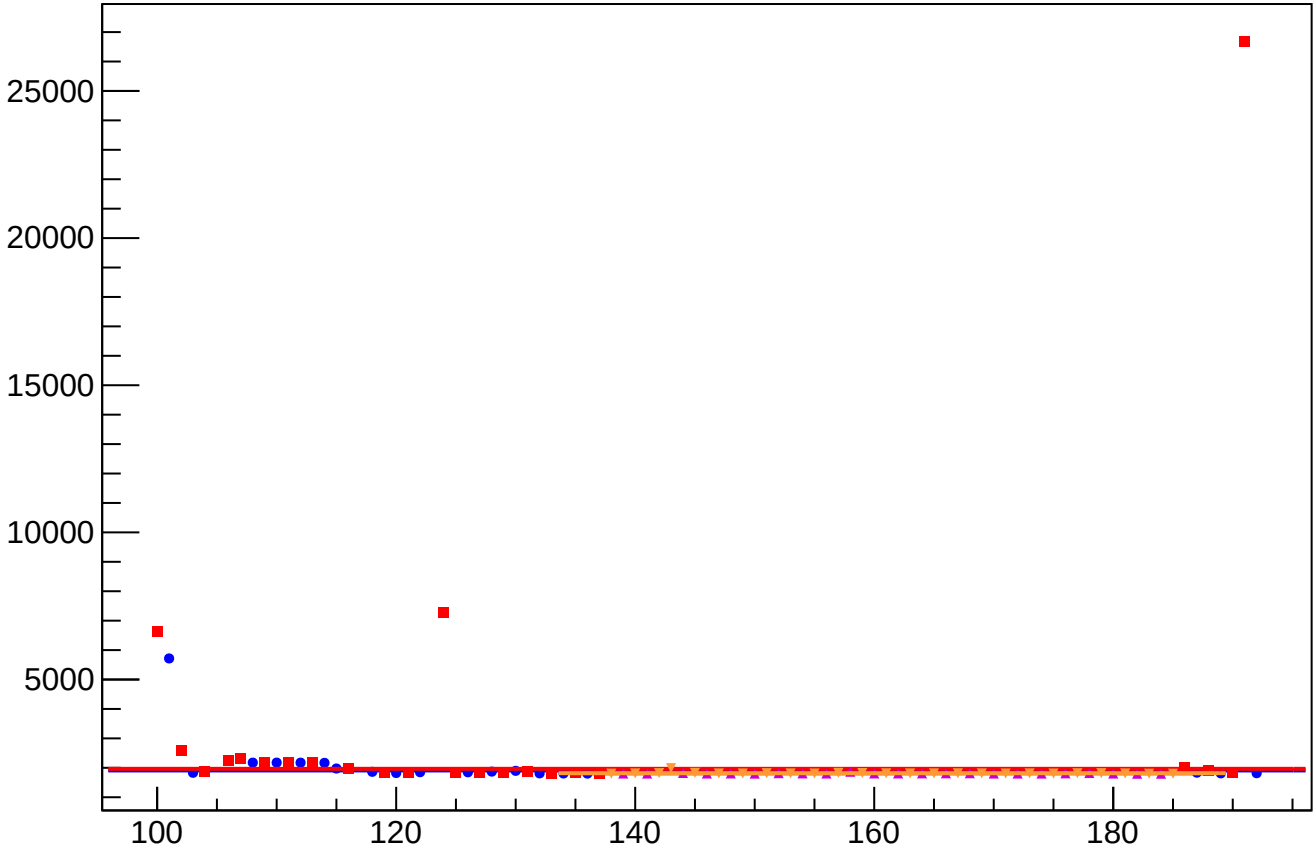
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1909.219+/-348.744 χ^2/NDF: 52.0/43

All: 5.959+/-249.157 χ^2/NDF: 164.5/89

- sign -1978.362+/-356.093 χ^2/NDF: 51.7/45

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1911.192+/-0.461 χ^2/NDF: 649676.0/18

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

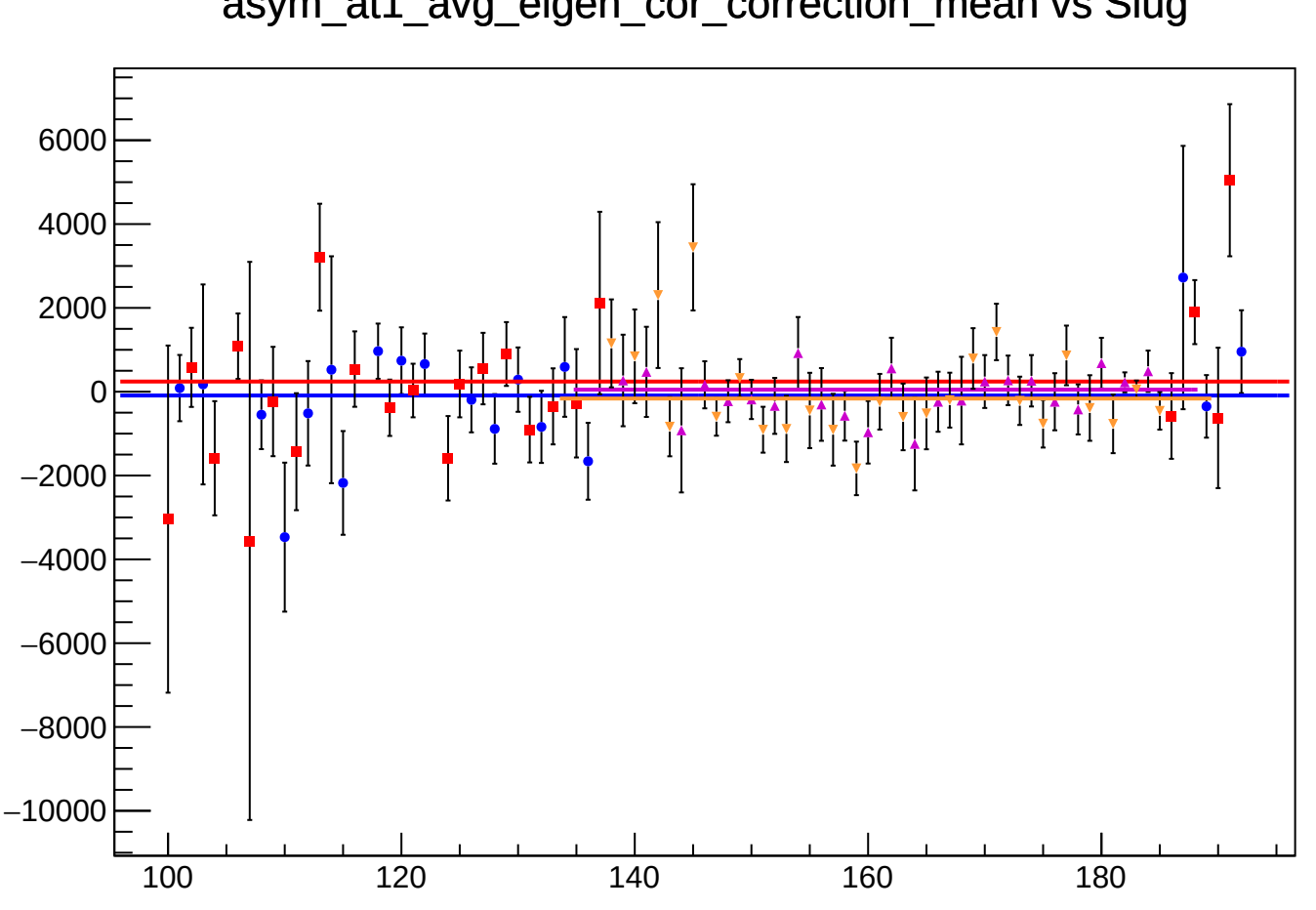
Right Out: 1965.280+/-0.466 χ^2/NDF: 695031.9/22

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.376+/-0.247 χ^2/NDF: 692134.2/43

All: 1850.627+/-0.176 χ^2/NDF: 1466559.3/89

- sign 1857.144+/-0.252 χ^2/NDF: 773112.5/45



Right In: -90.302+/-214.371 χ^2/NDF: 19.0/18

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

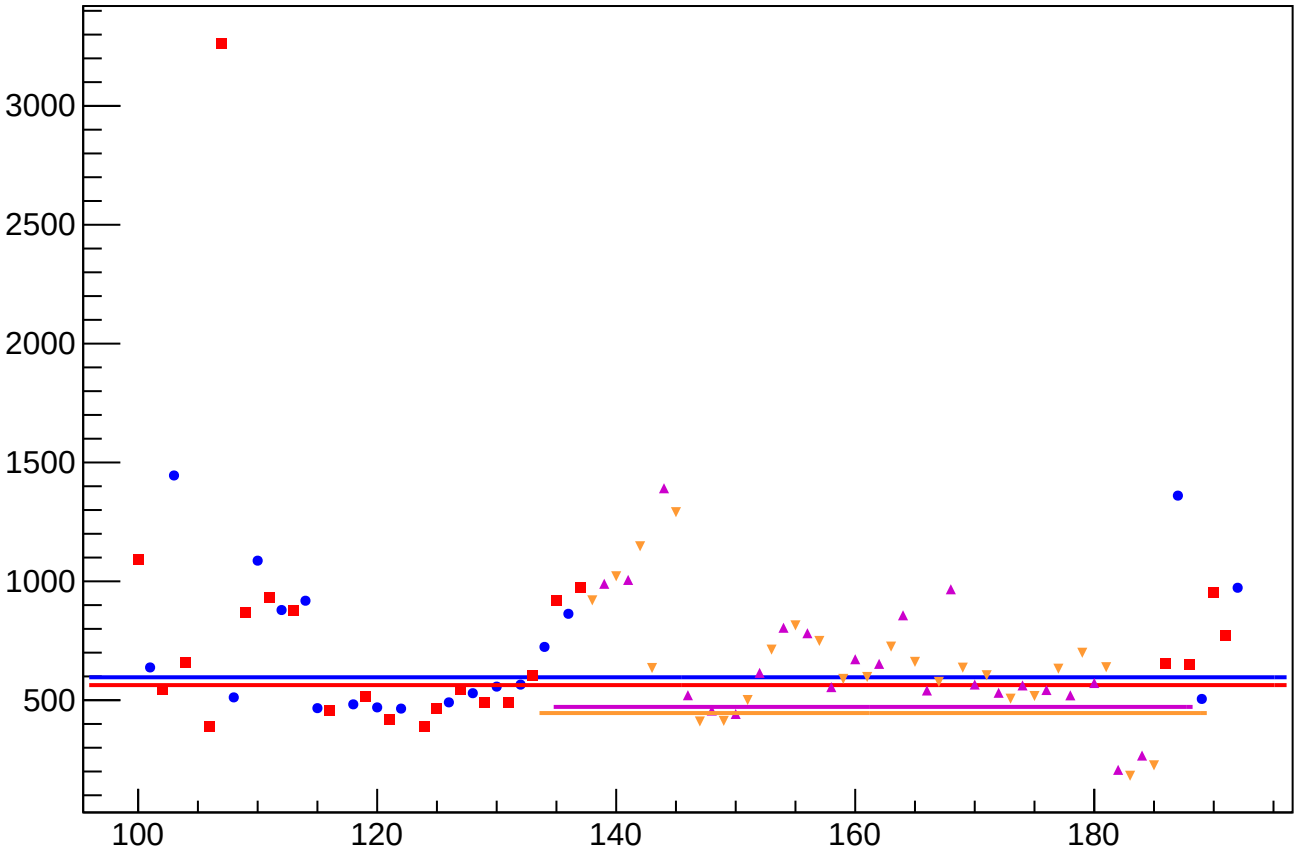
Right Out: 242.589+/-205.657 χ^2/NDF: 32.4/22

Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

\+ sign -146.622+/-101.538 χ^2/NDF: 55.9/43

All: -27.851+/-73.114 χ^2/NDF: 103.1/89

\- sign 100.044+/-105.367 χ^2/NDF: 44.4/45



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

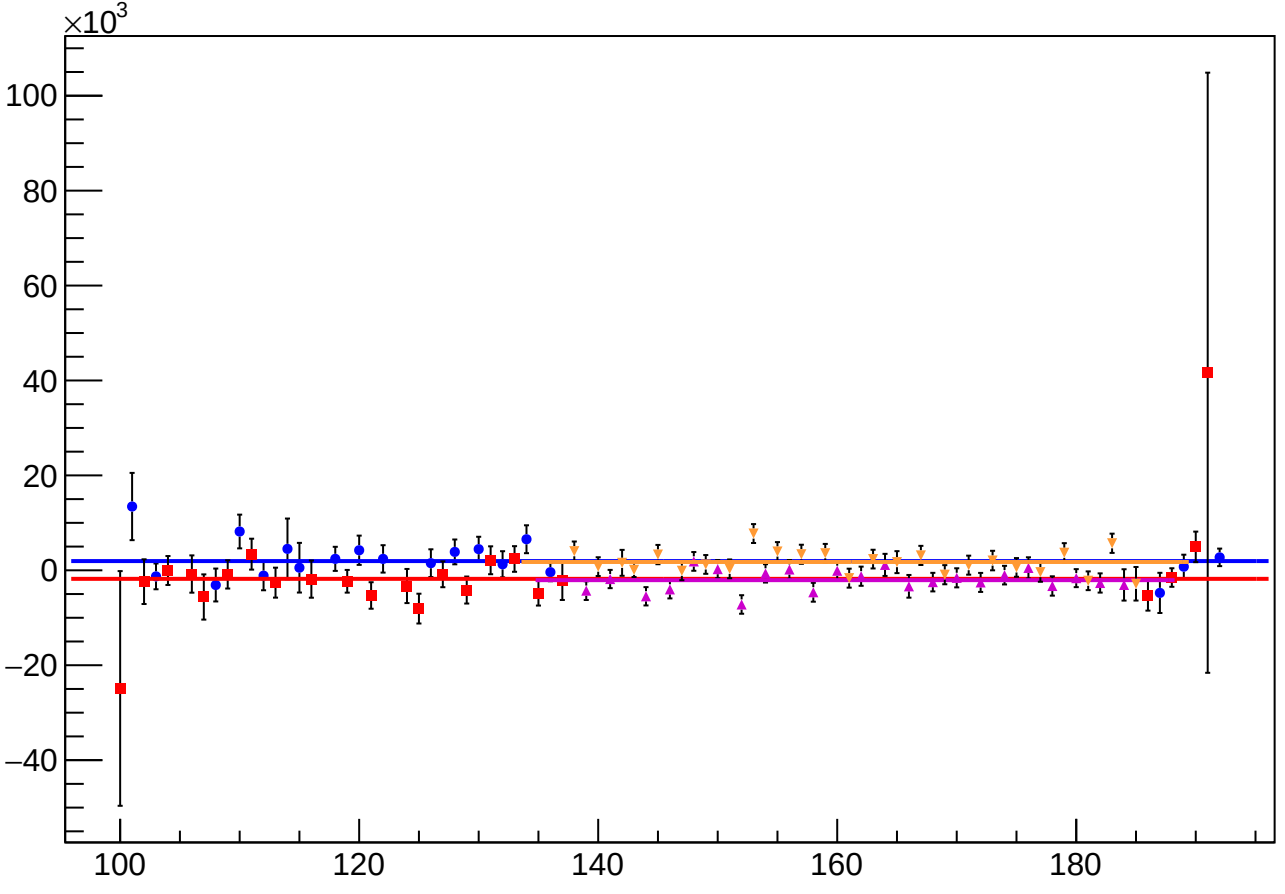
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 479.639+/-0.072 χ^2/NDF: 10199500.8/43

All: 487.434+/-0.052 χ^2/NDF: 18445300.8/89

- sign 495.828+/-0.075 χ^2/NDF: 8221320.6/45

dit_asym_at1_avg_mean vs Slug



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

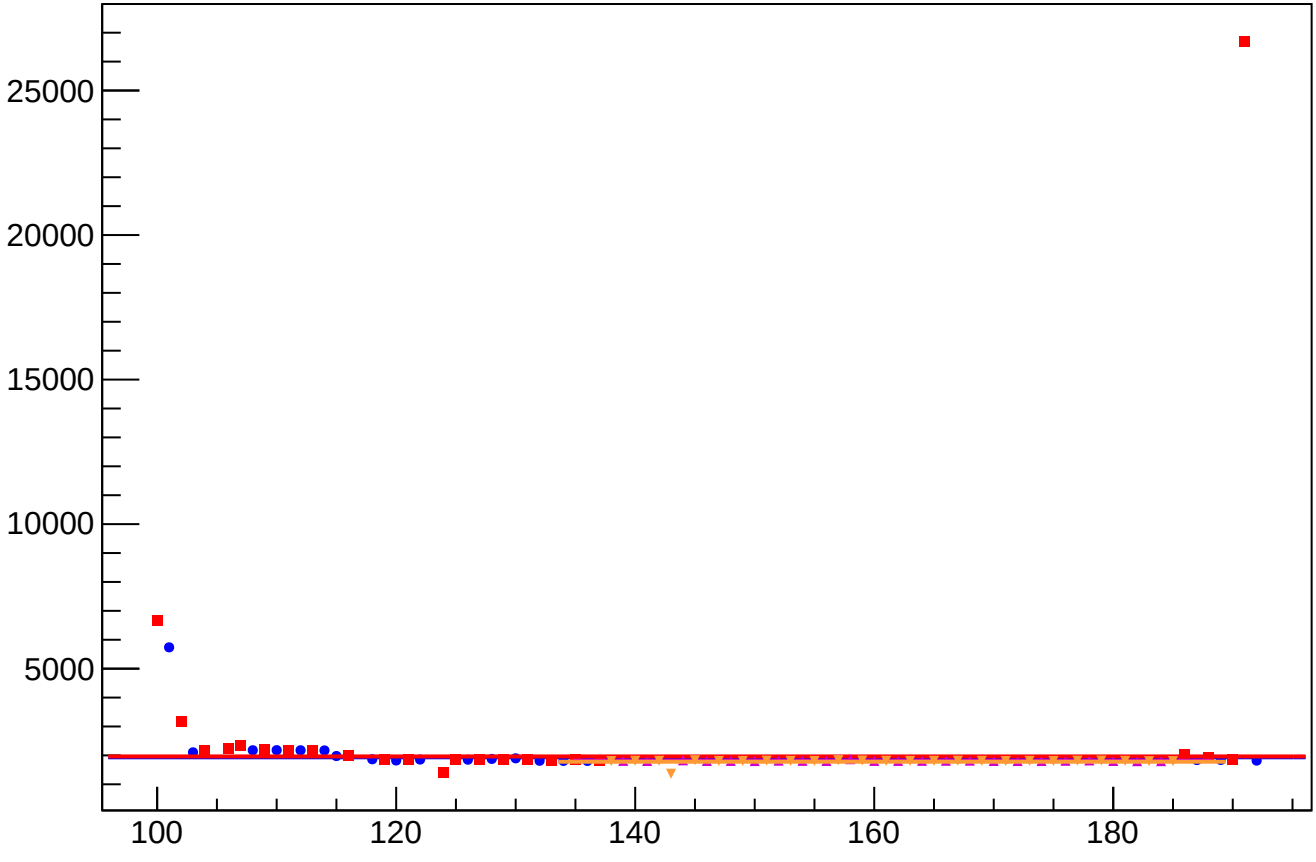
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1807.485+/-345.330 χ^2/NDF: 53.3/43

All: -32.876+/-248.010 χ^2/NDF: 162.1/89

- sign -1993.238+/-356.411 χ^2/NDF: 50.1/45

dit_asym_at1_avg_rms vs Slug



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

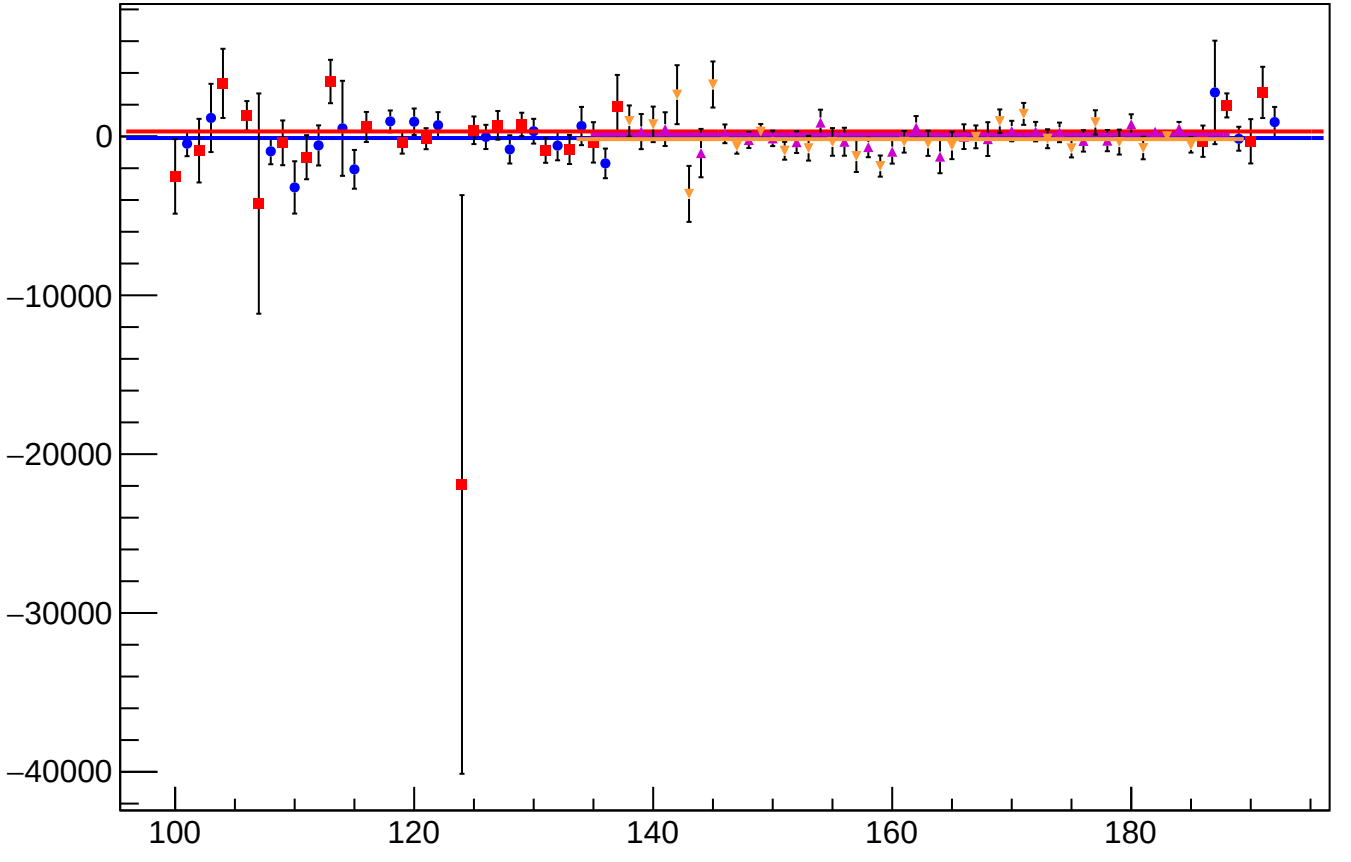
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1822.907+/-0.244 χ^2/NDF: 897721.1/43

All: 1839.943+/-0.175 χ^2/NDF: 1641052.2/89

- sign 1858.090+/-0.252 χ^2/NDF: 733279.1/45

asym_at1_avg_dit_correction_mean vs Slug



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

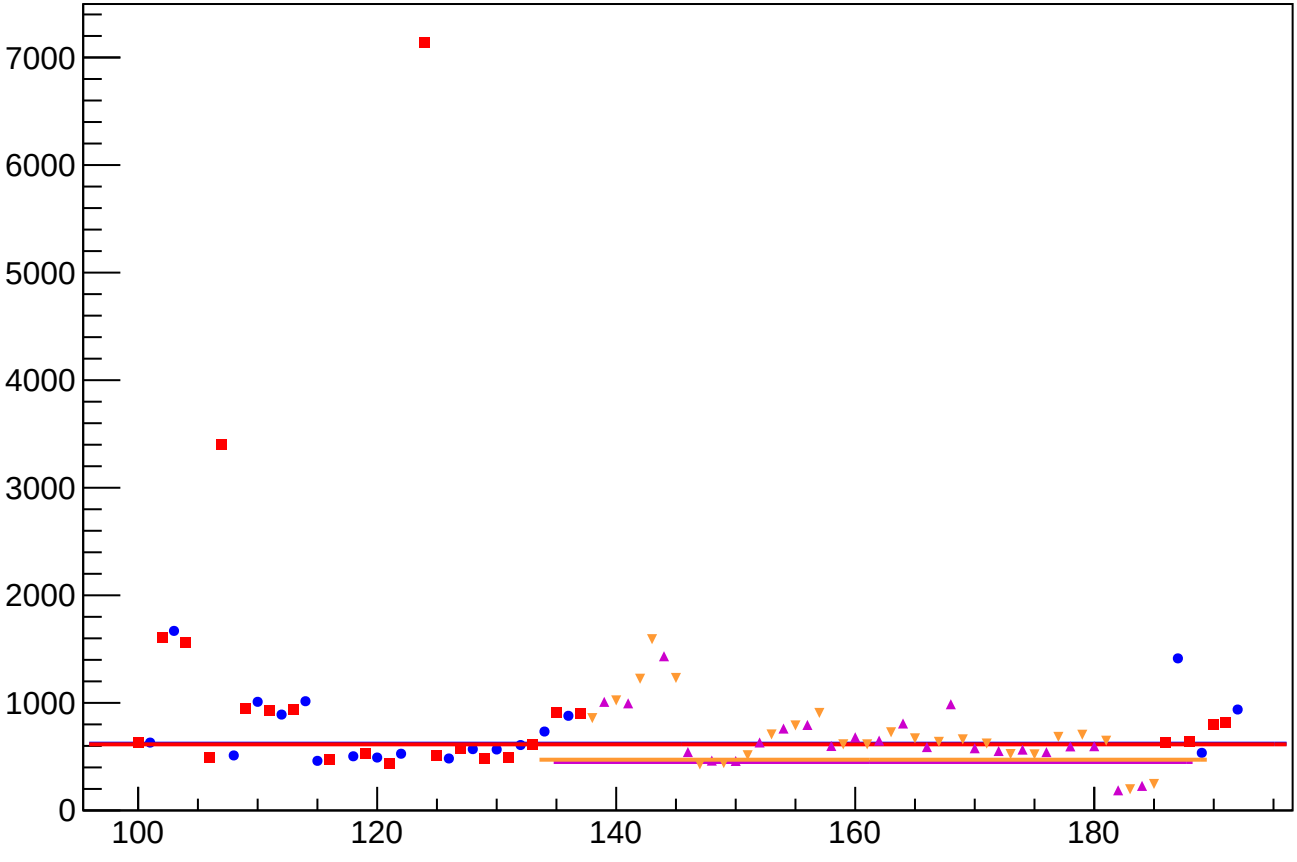
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -151.505+/-106.379 χ^2/NDF: 57.6/43

All: 7.241+/-74.806 χ^2/NDF: 103.1/89

- sign 162.527+/-105.213 χ^2/NDF: 41.1/45

asym_at1_avg_dit_correction_rms vs Slug



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

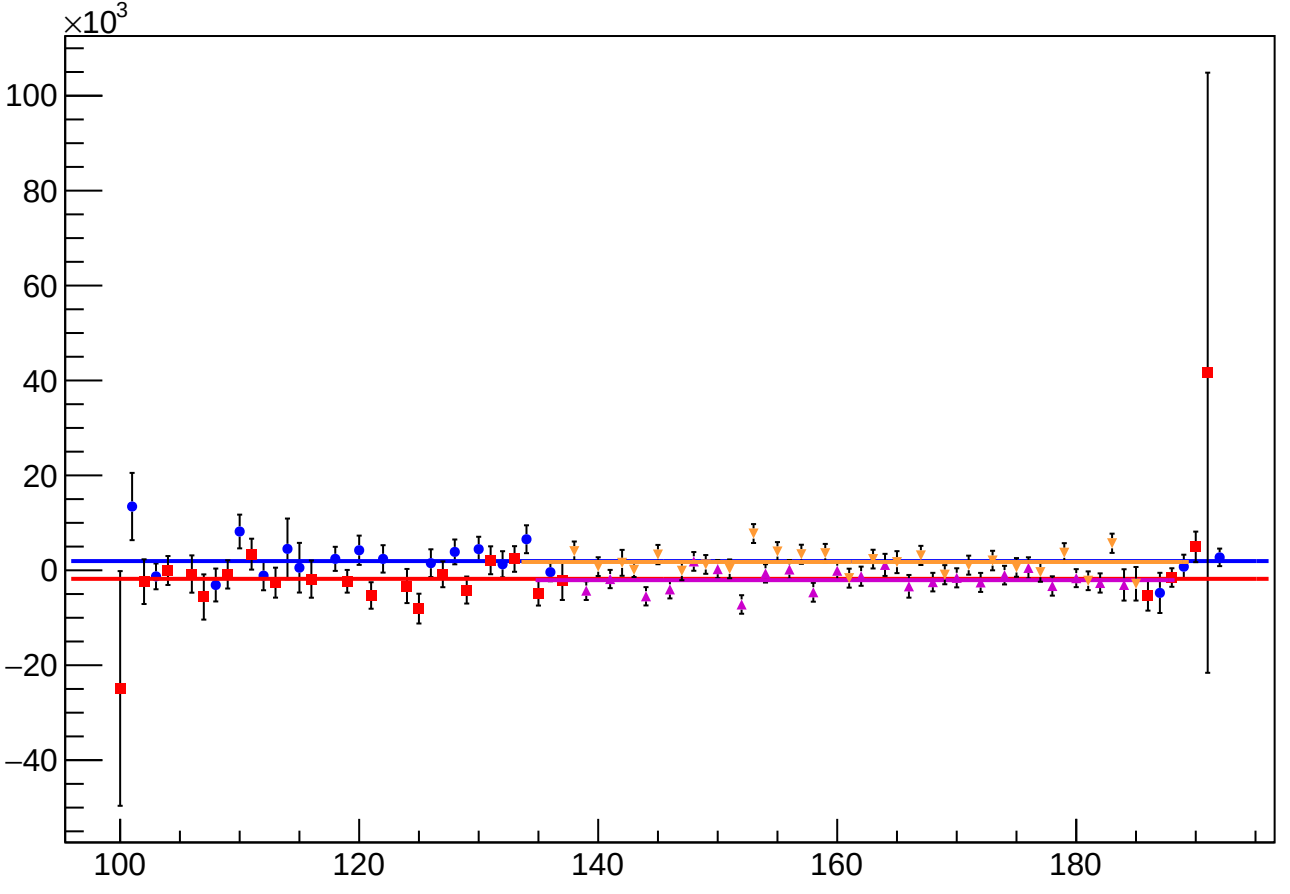
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 506.791+/-0.075 χ^2/NDF: 10354216.2/43

All: 497.338+/-0.053 χ^2/NDF: 21575721.5/89

- sign 488.090+/-0.074 χ^2/NDF: 11190260.4/45

eigen_dit_asym_at1_avg_mean vs Slug



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

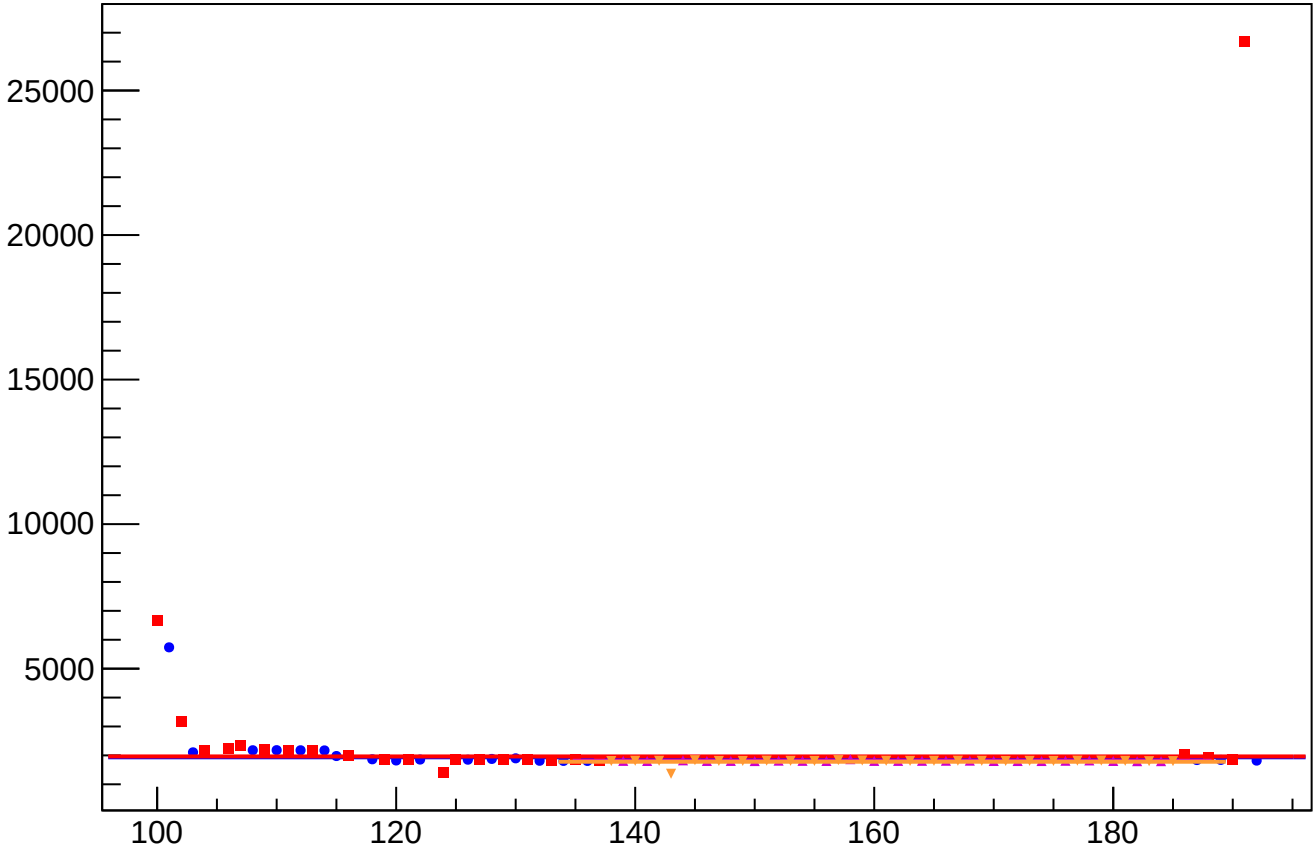
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1807.484+/-345.330 χ^2/NDF: 53.3/43

All: -32.876+/-248.010 χ^2/NDF: 162.1/89

- sign -1993.238+/-356.411 χ^2/NDF: 50.1/45

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1933.953+/-0.466 χ^2/NDF: 654574.9/18

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1963.821+/-0.466 χ^2/NDF: 658509.8/22

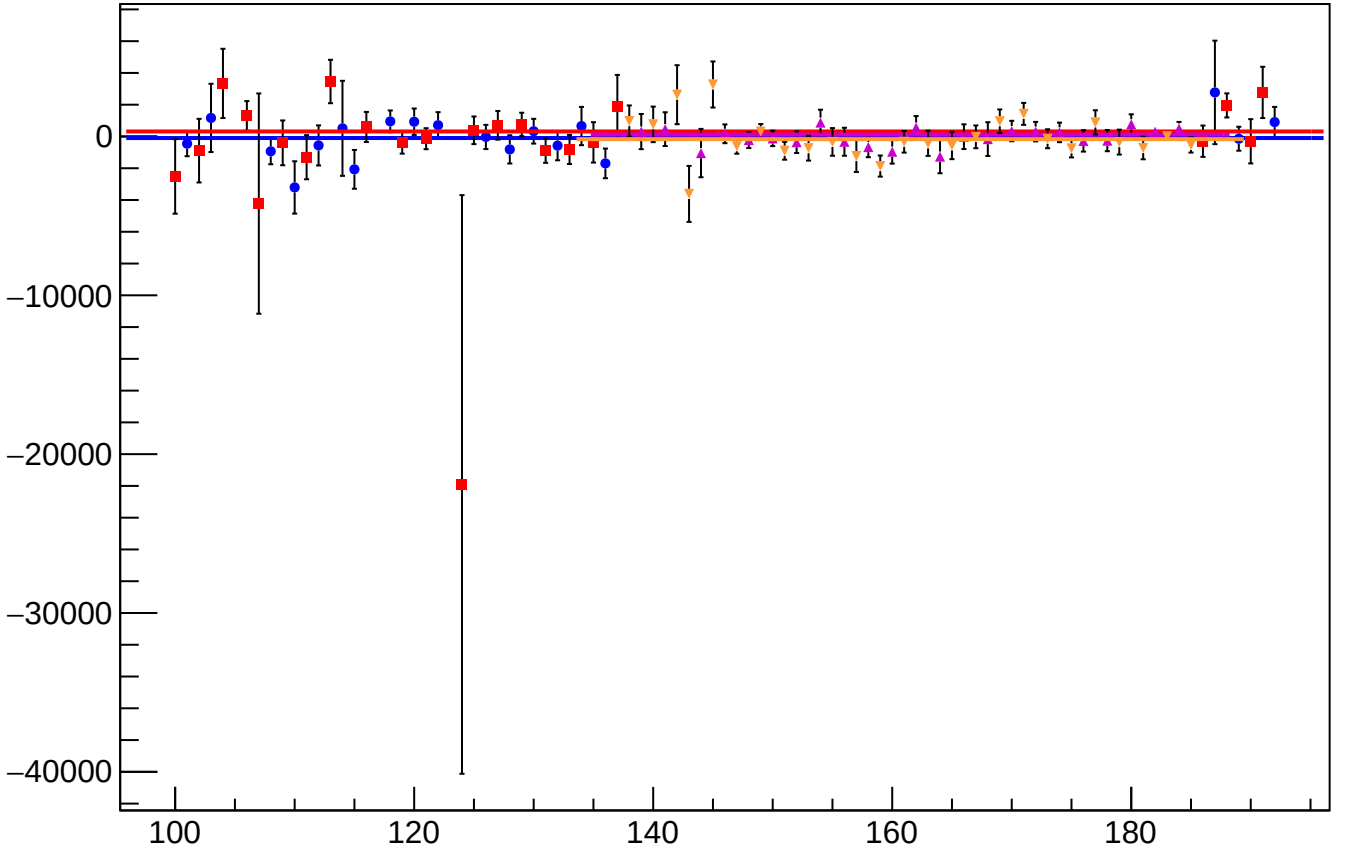
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1822.907+/-0.244 χ^2/NDF: 897720.6/43

All: 1839.943+/-0.175 χ^2/NDF: 1641050.2/89

- sign 1858.090+/-0.252 χ^2/NDF: 733277.6/45

asym_at1_avg_eigen_dit_correction_mean vs Slug



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

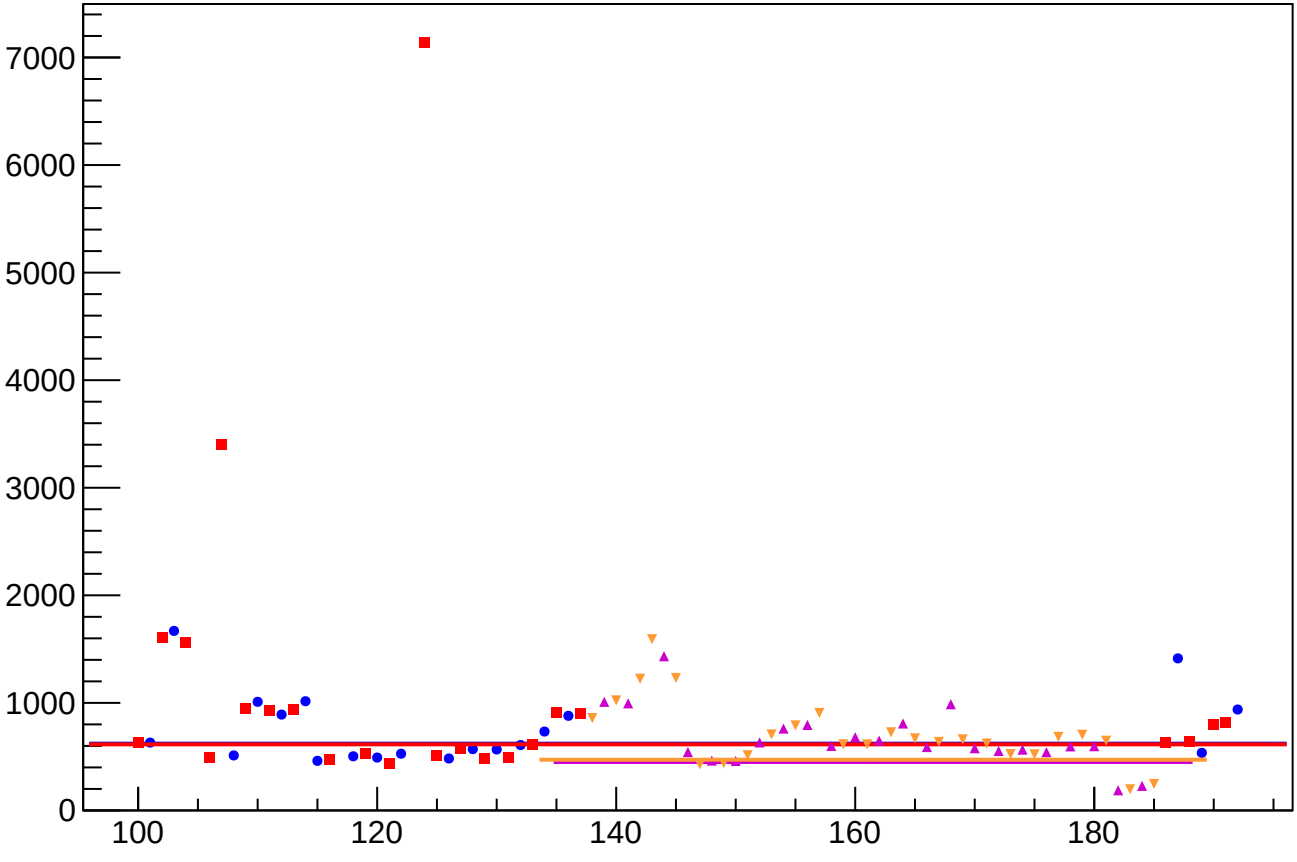
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -151.505+/-106.379 χ^2/NDF: 57.6/43

All: 7.241+/-74.806 χ^2/NDF: 103.1/89

- sign 162.528+/-105.213 χ^2/NDF: 41.1/45

asym_at1_avg_eigen_dit_correction_rms vs Slug



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

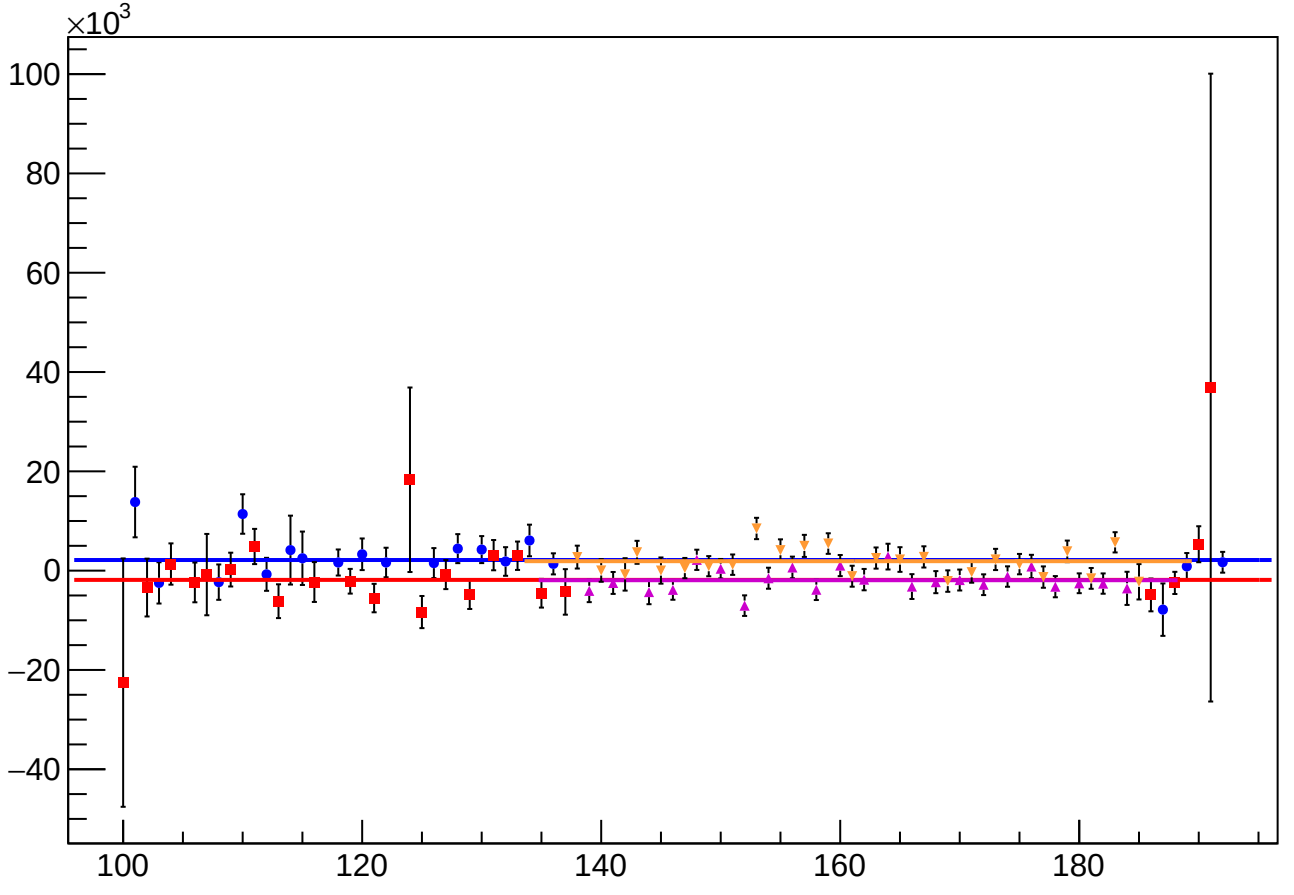
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 506.792+/-0.075 χ^2/NDF: 10354212.8/43

All: 497.339+/-0.053 χ^2/NDF: 21575694.4/89

- sign 488.091+/-0.074 χ^2/NDF: 11190237.6/45

asym_at1_avg_mean vs Slug



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

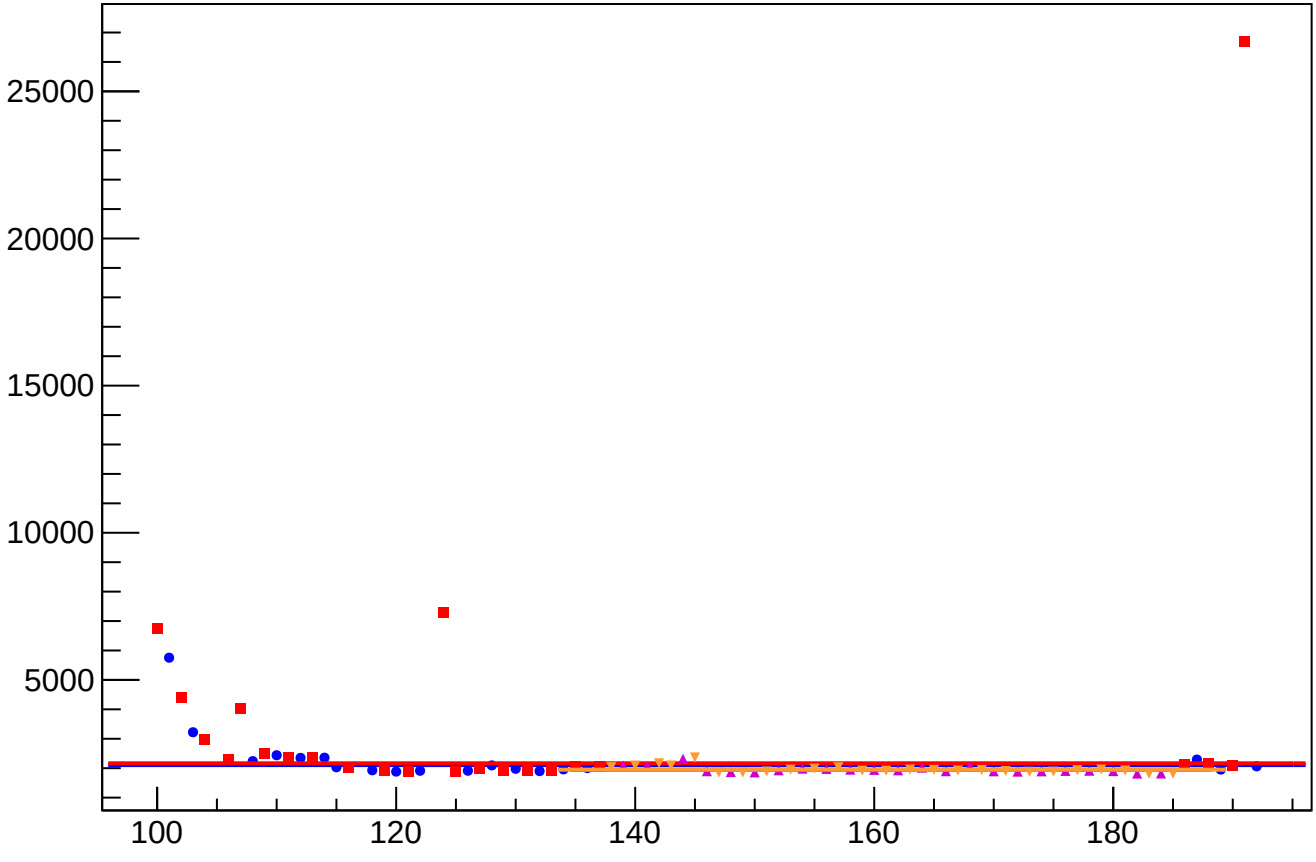
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 1971.749+/-377.653 χ^2/NDF: 55.1/43

All: 76.717+/-270.127 χ^2/NDF: 158.2/89

- sign -1908.523+/-386.537 χ^2/NDF: 51.6/45

asym_at1_avg_rms vs Slug



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

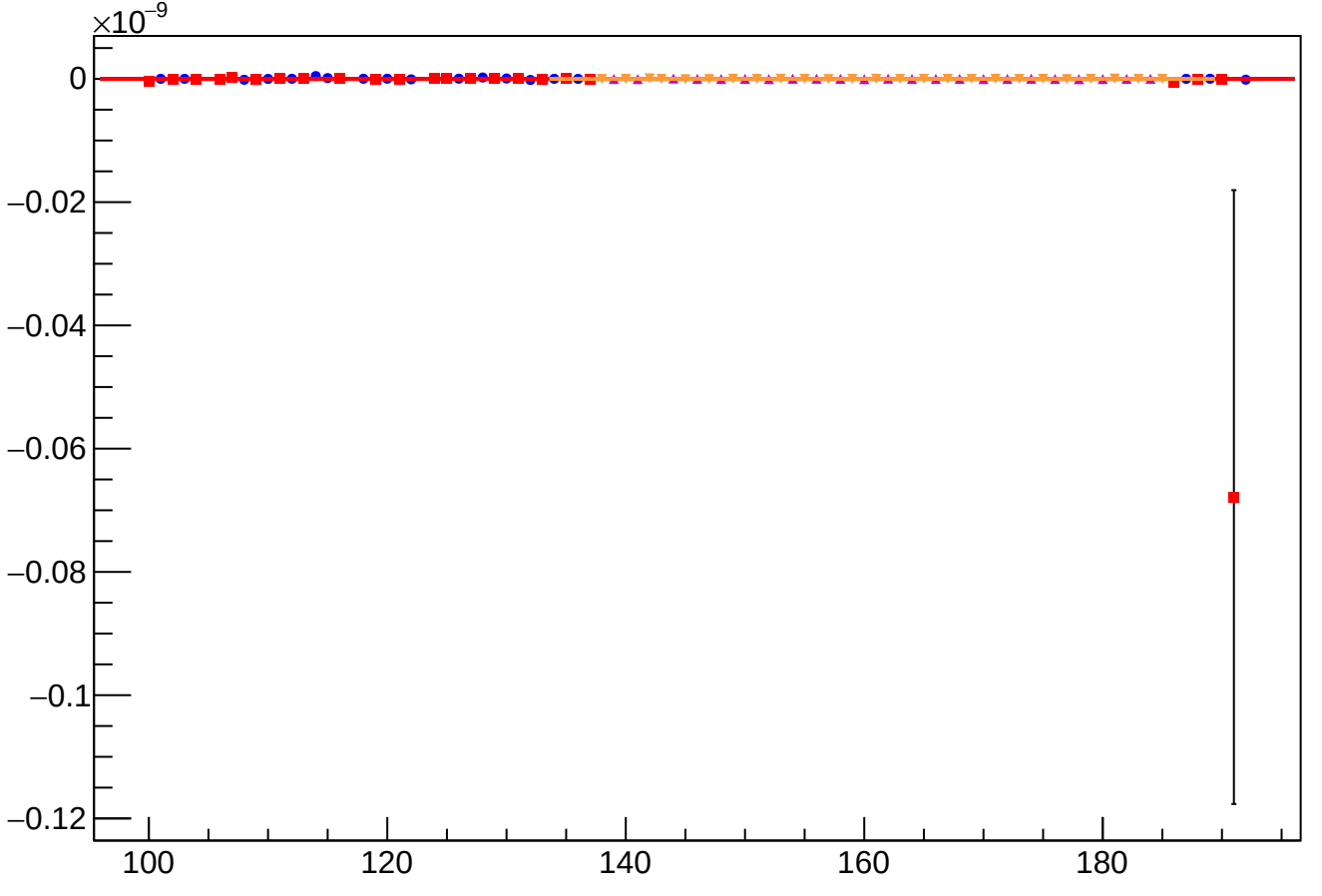
Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 1991.940+/-0.267 χ^2/NDF: 947120.9/43

All: 1999.076+/-0.191 χ^2/NDF: 2304711.9/89

- sign 2006.552+/-0.273 χ^2/NDF: 1356128.7/45

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



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

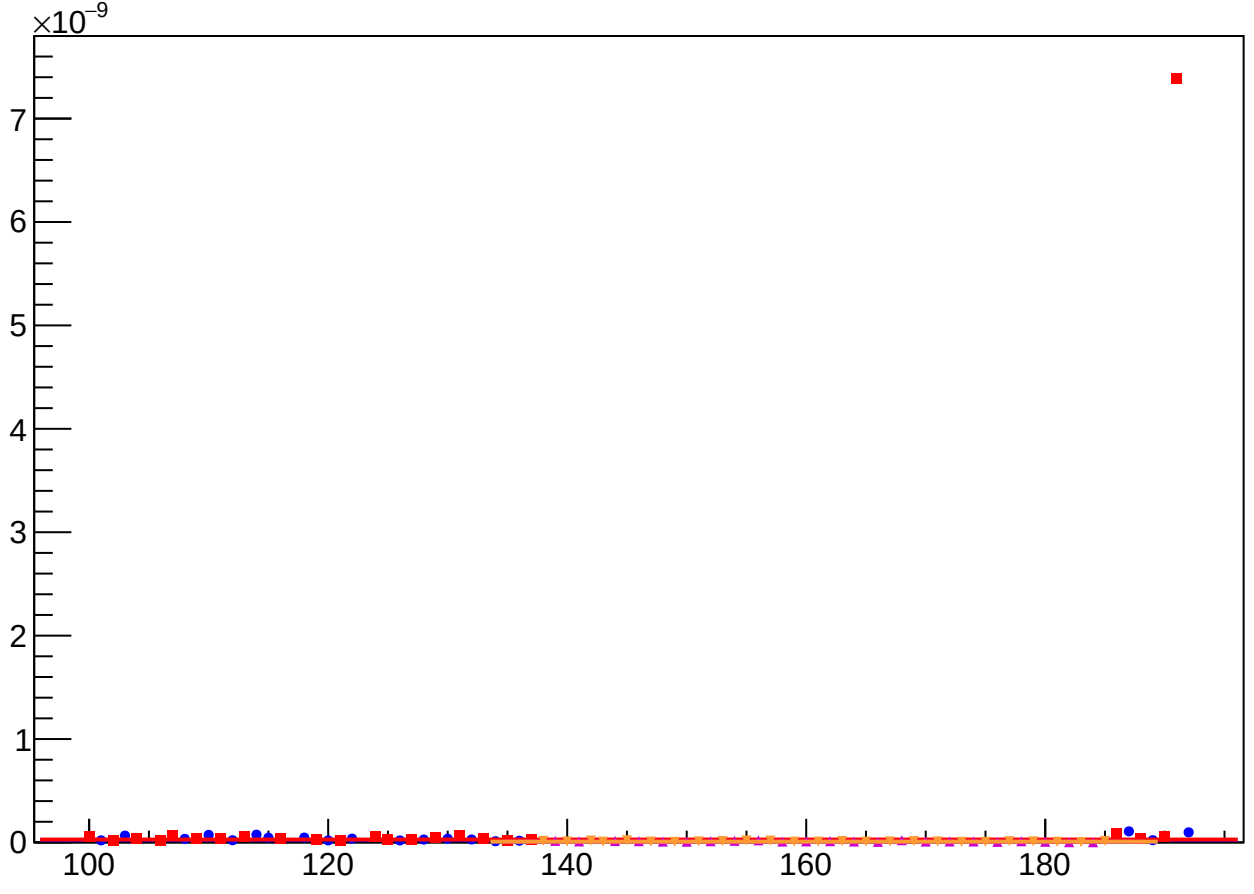
Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.1/43

All: 0.000+/-0.000 χ^2/NDF: 101.0/89

- sign 0.000+/-0.000 χ^2/NDF: 52.7/45

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1728714.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1013183.8/22

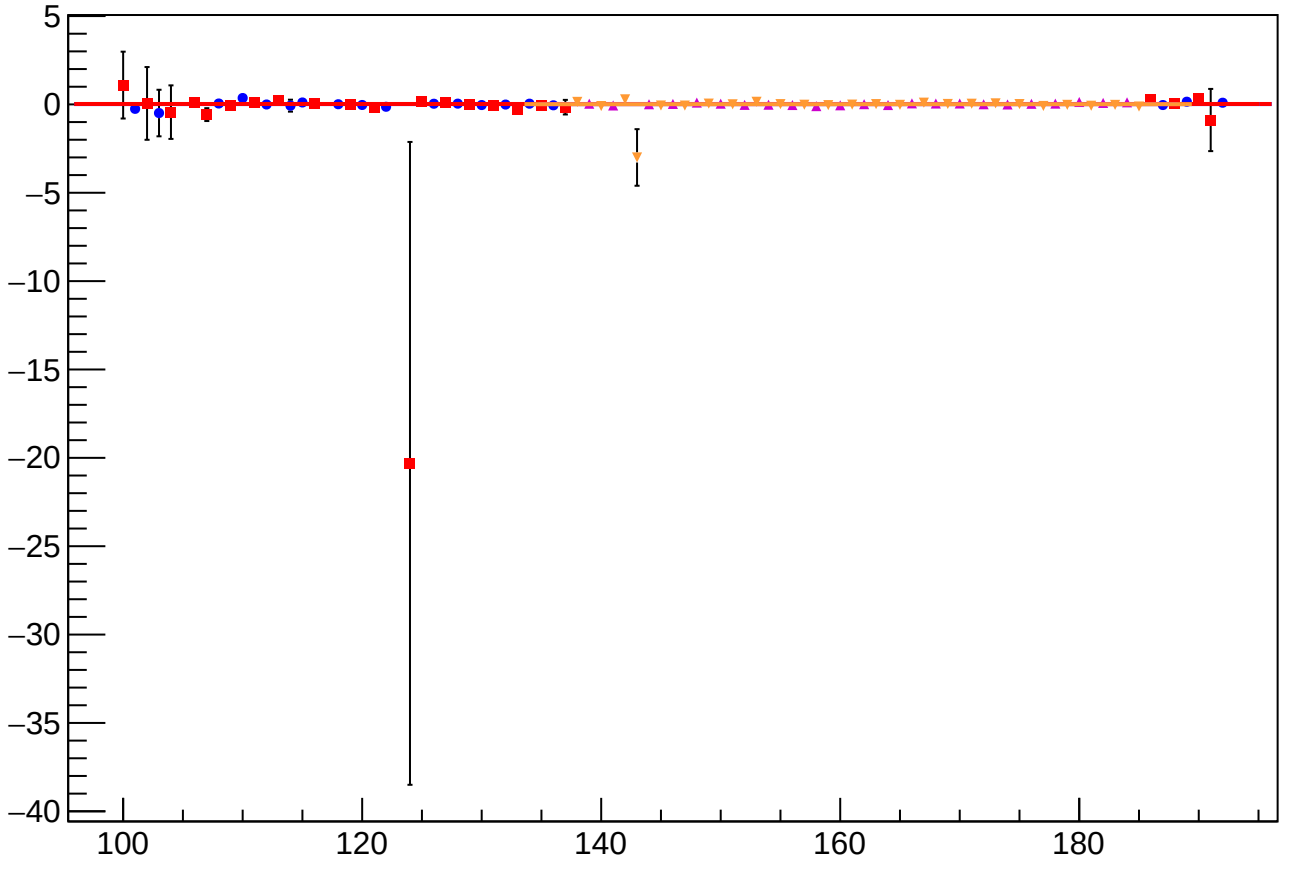
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6089730.9/43

All: 0.000+/-0.000 χ^2/NDF: 12340231.2/89

- sign 0.000+/-0.000 χ^2/NDF: 6250295.8/45

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



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

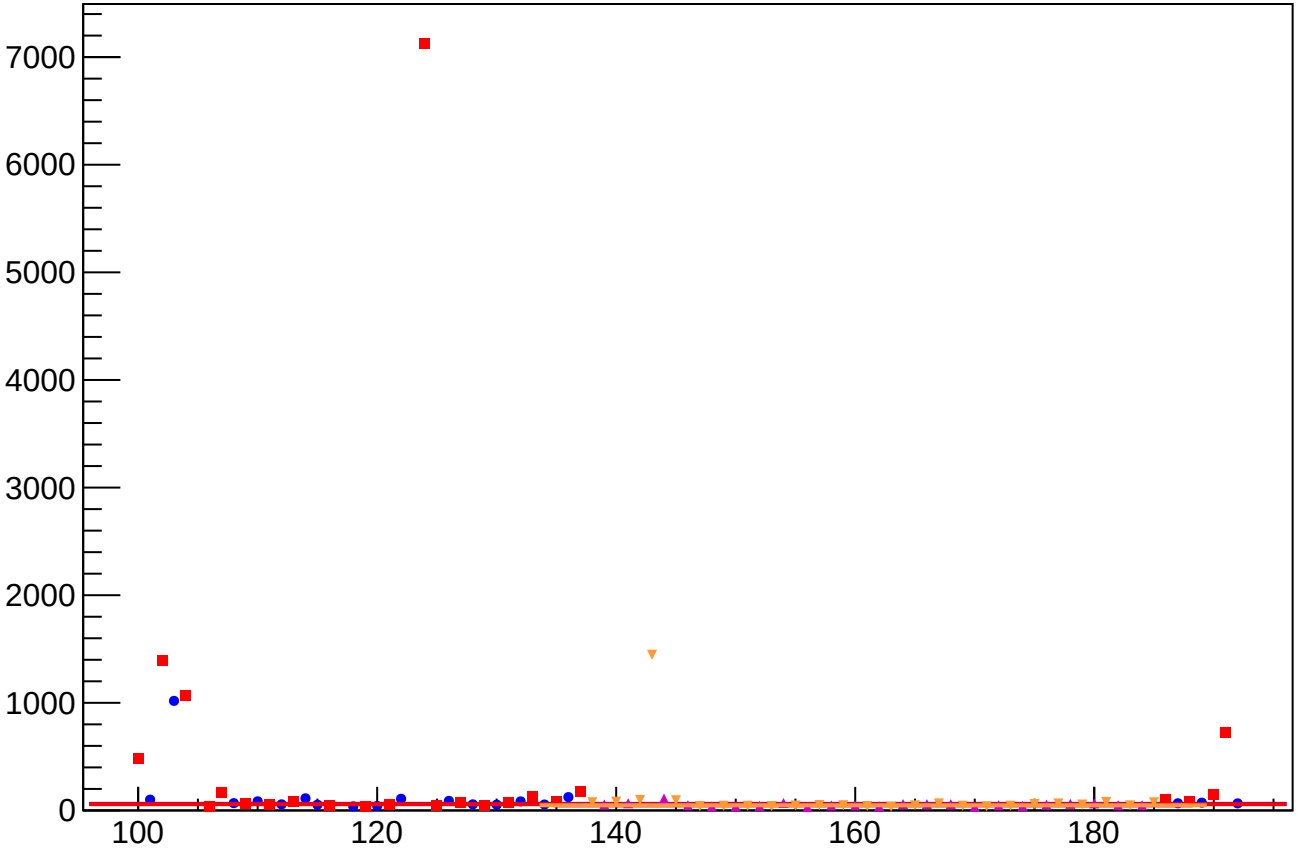
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 43.5/43

All: 0.016+/-0.008 χ^2/NDF: 86.4/89

- sign 0.019+/-0.011 χ^2/NDF: 42.6/45

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.058+/-0.017 χ^2/NDF: 2567243.5/18

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

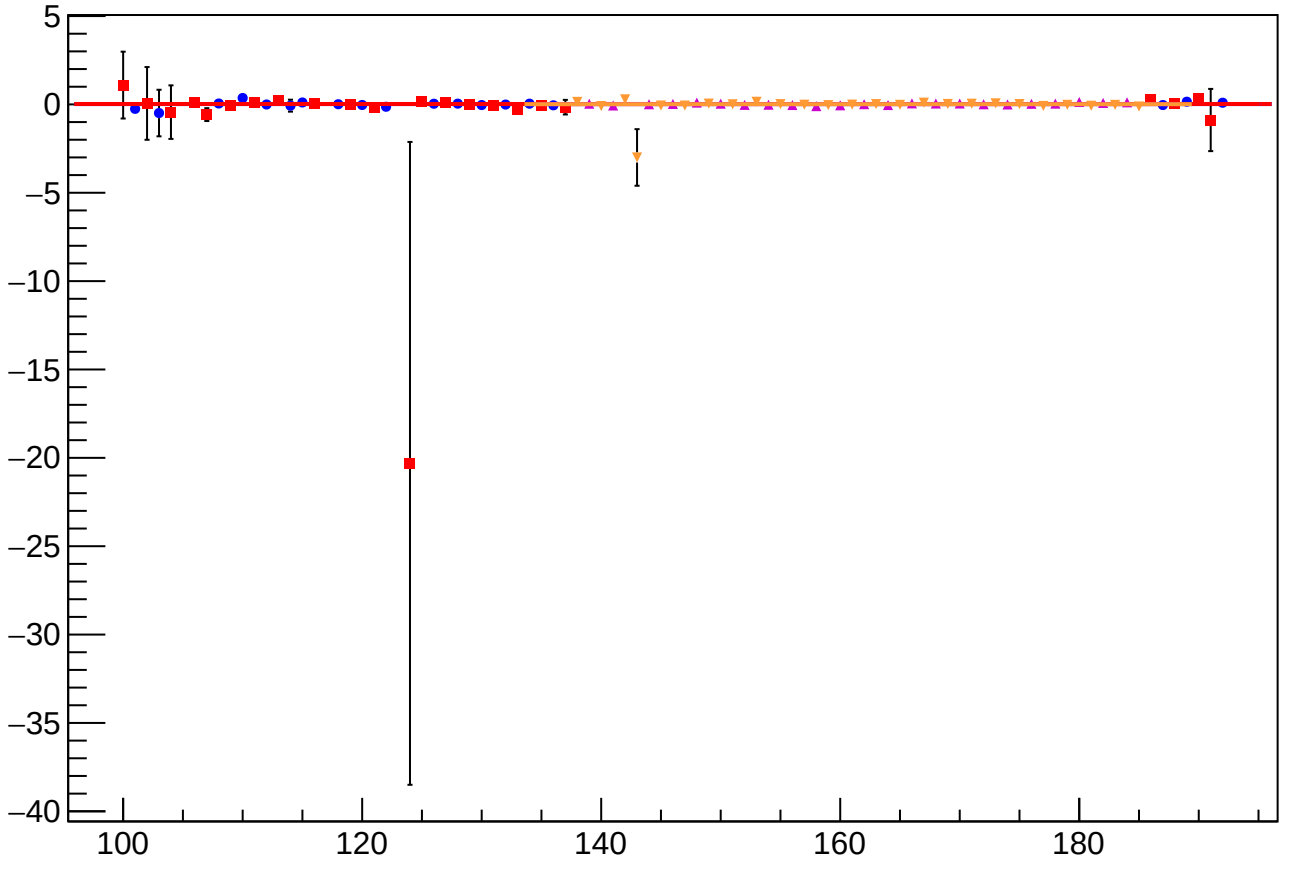
Right Out: 58.265+/-0.017 χ^2/NDF: 4359875.0/22

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.623+/-0.008 χ^2/NDF: 6526393.2/43

All: 49.842+/-0.006 χ^2/NDF: 13205694.5/89

- sign 49.077+/-0.008 χ^2/NDF: 6659643.2/45



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

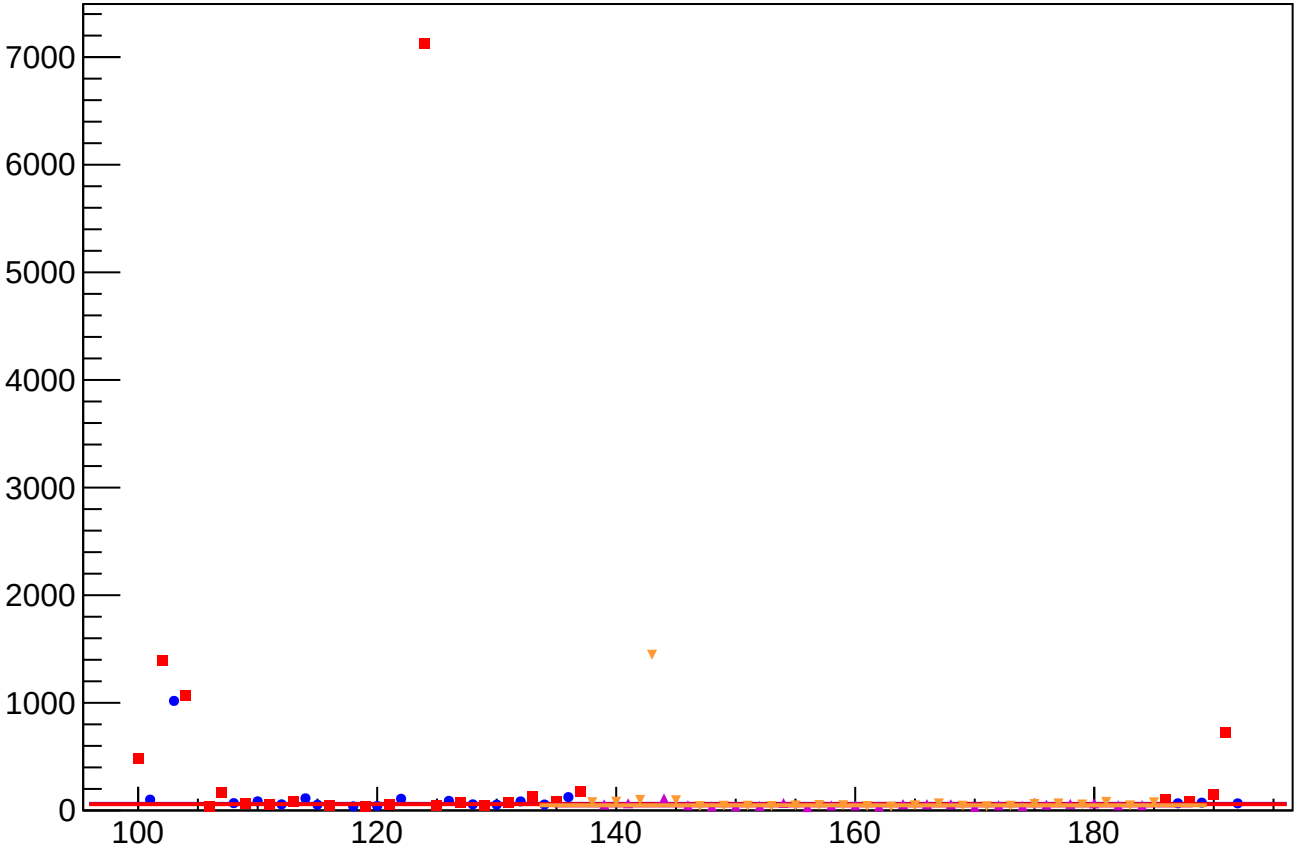
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

\+ sign 0.013+/-0.011 χ^2/NDF: 43.5/43

All: 0.016+/-0.008 χ^2/NDF: 86.4/89

\- sign 0.019+/-0.011 χ^2/NDF: 42.6/45

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 61.058+/-0.017 χ^2/NDF: 2567243.5/18

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

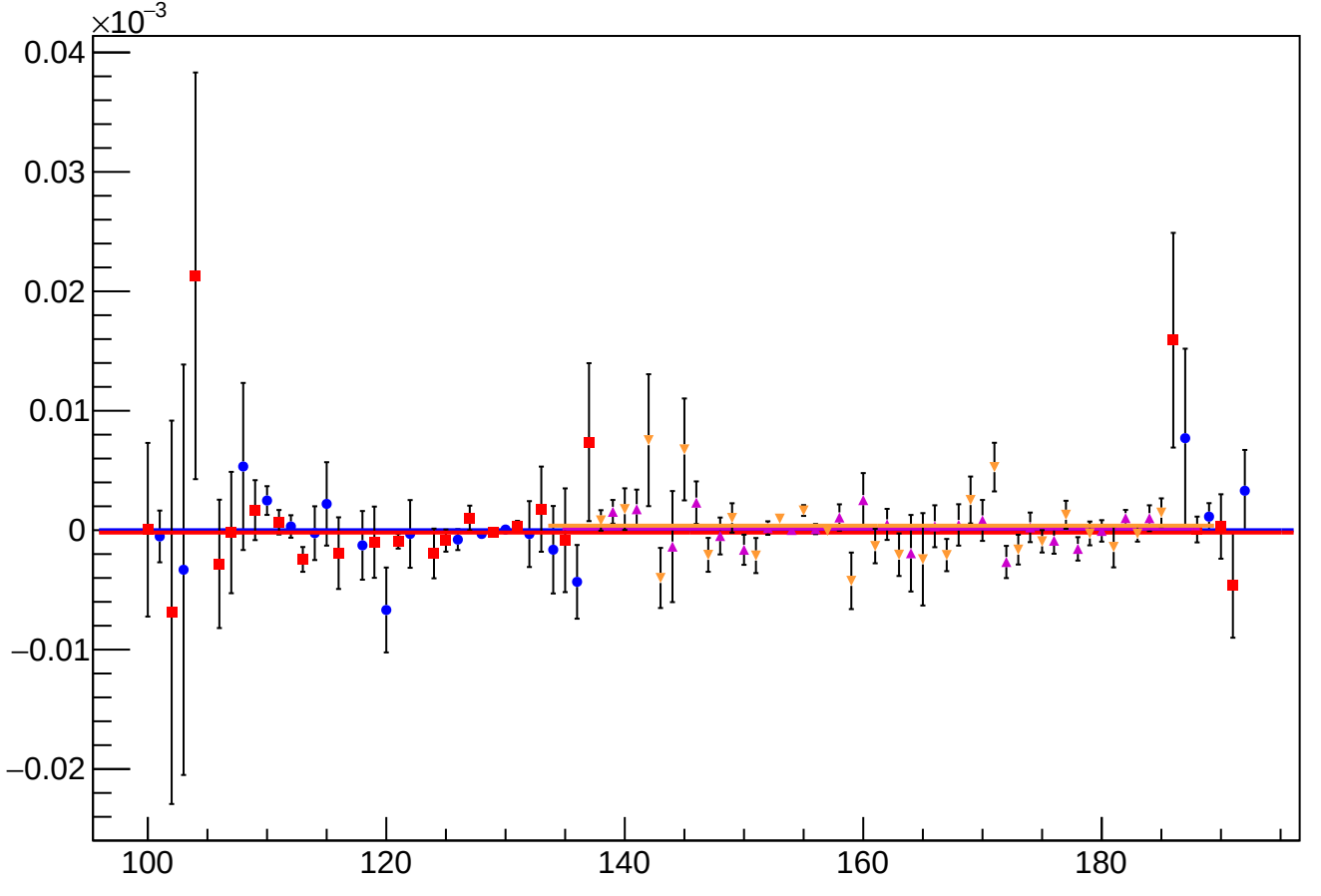
Right Out: 58.265+/-0.017 χ^2/NDF: 4359875.0/22

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.623+/-0.008 χ^2/NDF: 6526393.2/43

All: 49.842+/-0.006 χ^2/NDF: 13205694.5/89

- sign 49.077+/-0.008 χ^2/NDF: 6659643.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

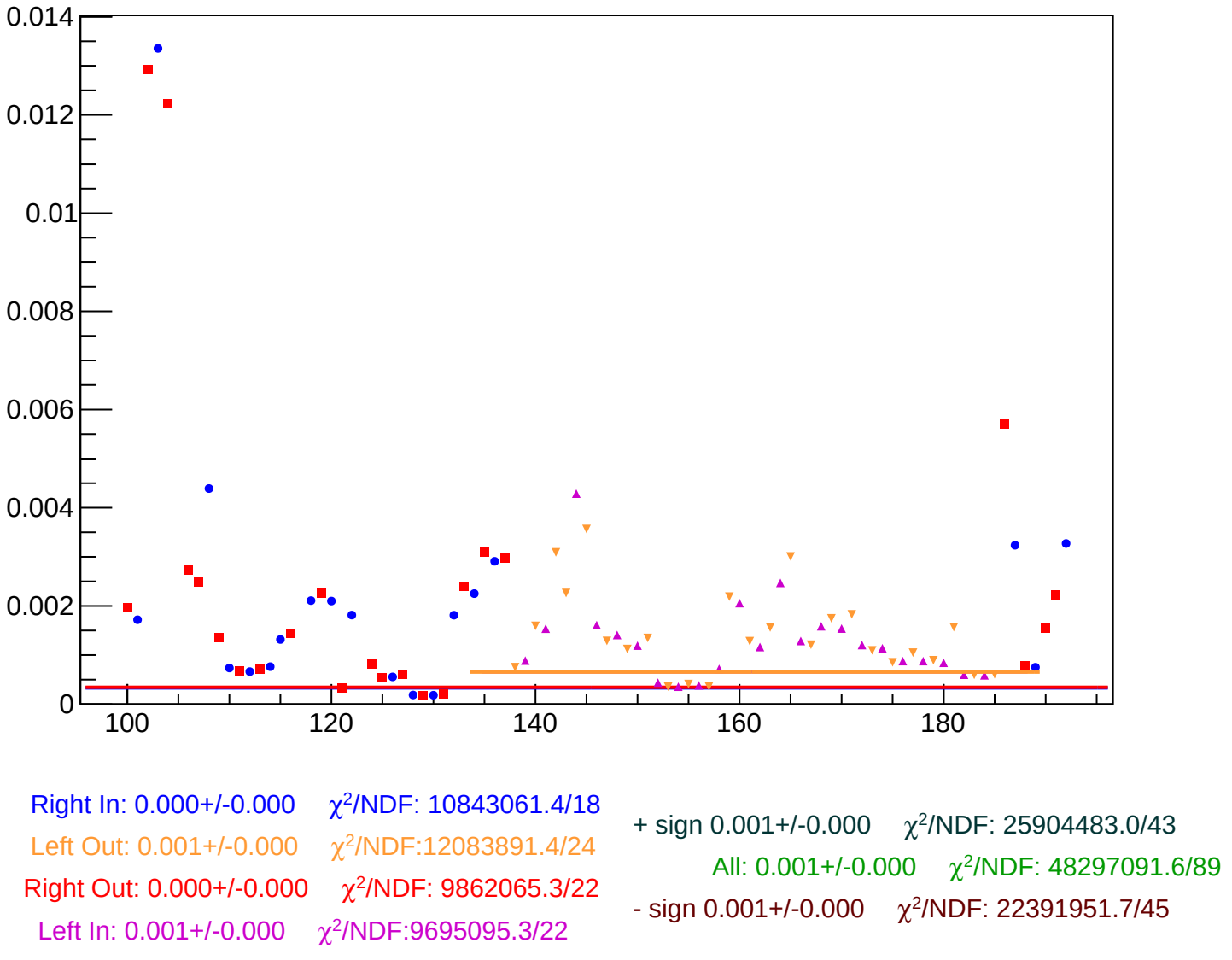
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/22

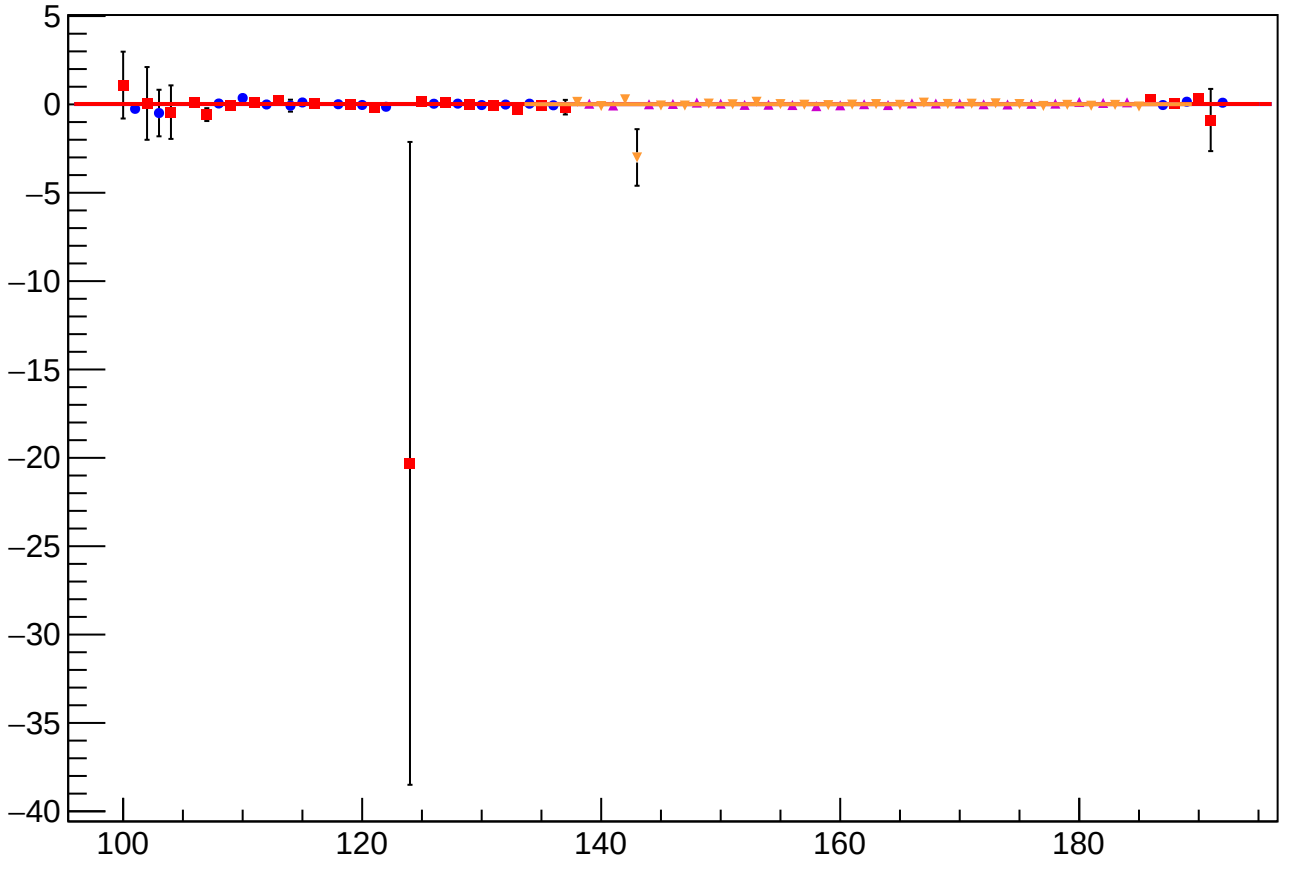
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.7/43

All: 0.000+/-0.000 χ^2/NDF: 112.5/89

- sign -0.000+/-0.000 χ^2/NDF: 41.5/45


asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 10843061.4/18
Left Out: 0.001+/-0.000 χ²/NDF:12083891.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 9862065.3/22
Left In: 0.001+/-0.000 χ²/NDF:9695095.3/22
+ sign 0.001+/-0.000 χ²/NDF: 25904483.0/43
All: 0.001+/-0.000 χ²/NDF: 48297091.6/89
- sign 0.001+/-0.000 χ²/NDF: 22391951.7/45



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

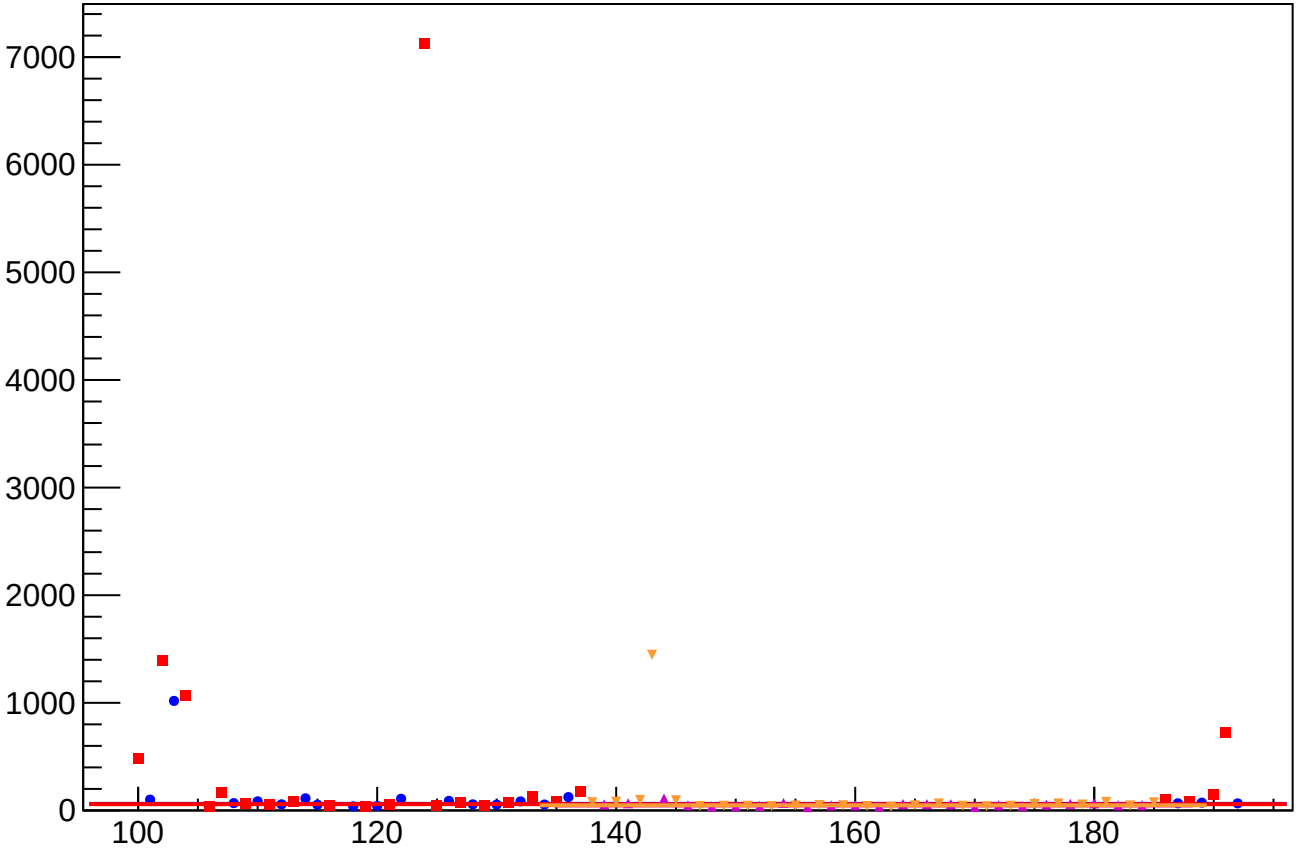
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 43.5/43

All: 0.016+/-0.008 χ^2/NDF: 86.4/89

- sign 0.019+/-0.011 χ^2/NDF: 42.6/45

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 61.058+/-0.017 χ^2/NDF: 2567261.4/18

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

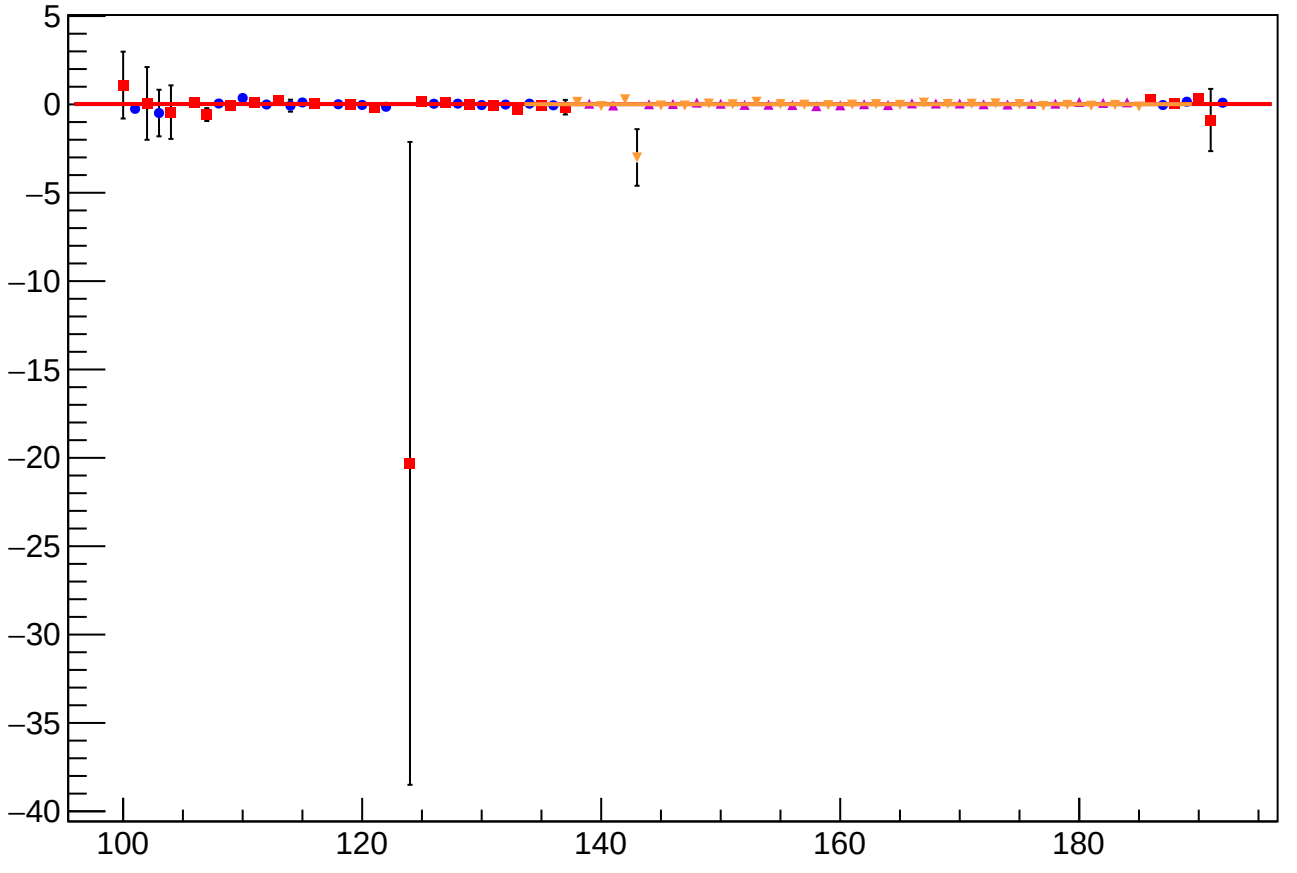
Right Out: 58.264+/-0.017 χ^2/NDF: 4359978.7/22

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.623+/-0.008 χ^2/NDF: 6526364.0/43

All: 49.842+/-0.006 χ^2/NDF: 13205716.3/89

- sign 49.077+/-0.008 χ^2/NDF: 6659685.3/45



Right In: 0.018+/-0.024 χ^2/NDF: 13.9/18

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

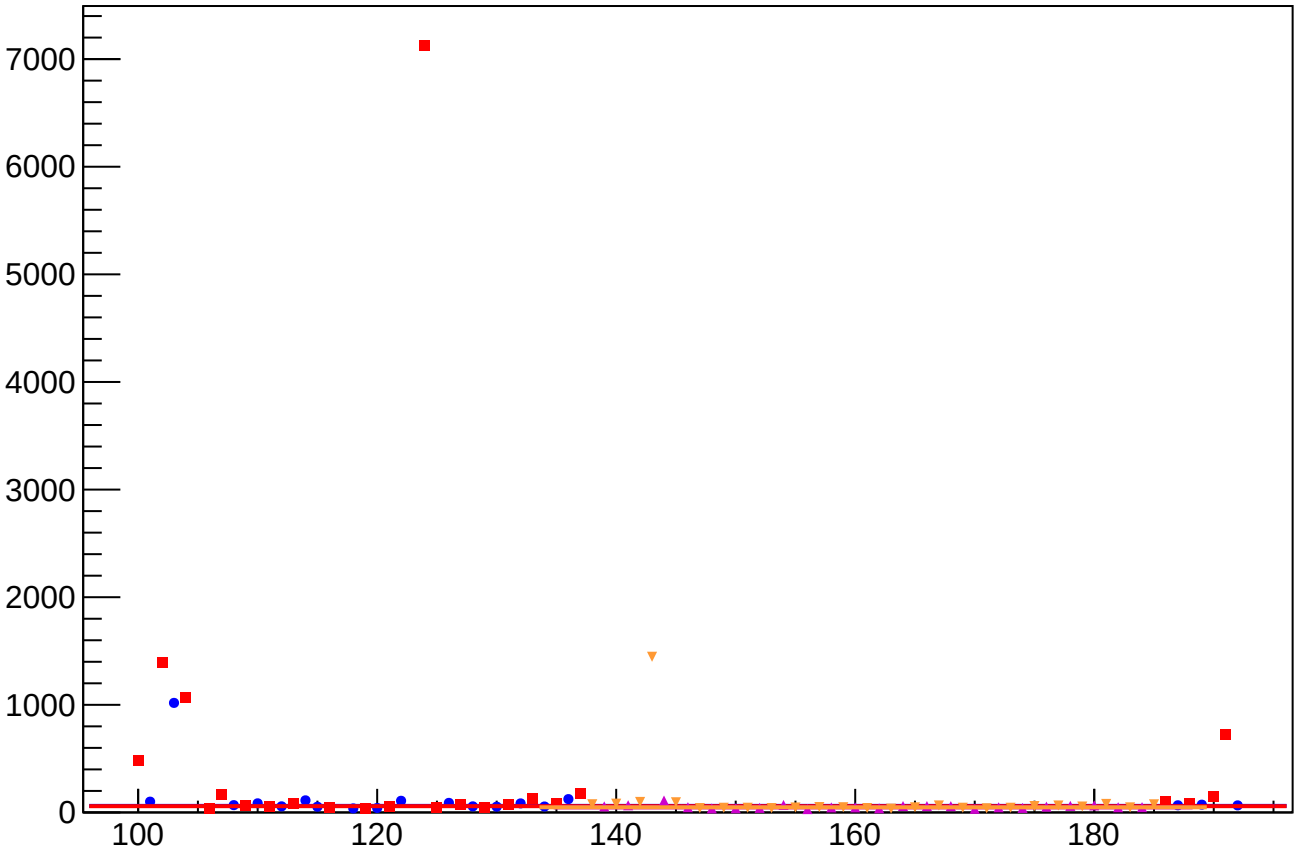
Right Out: 0.024+/-0.025 χ^2/NDF: 22.3/22

Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 43.5/43

All: 0.016+/-0.008 χ^2/NDF: 86.4/89

- sign 0.019+/-0.011 χ^2/NDF: 42.6/45



Right In: 61.058+/-0.017 χ^2/NDF: 2567261.4/18

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

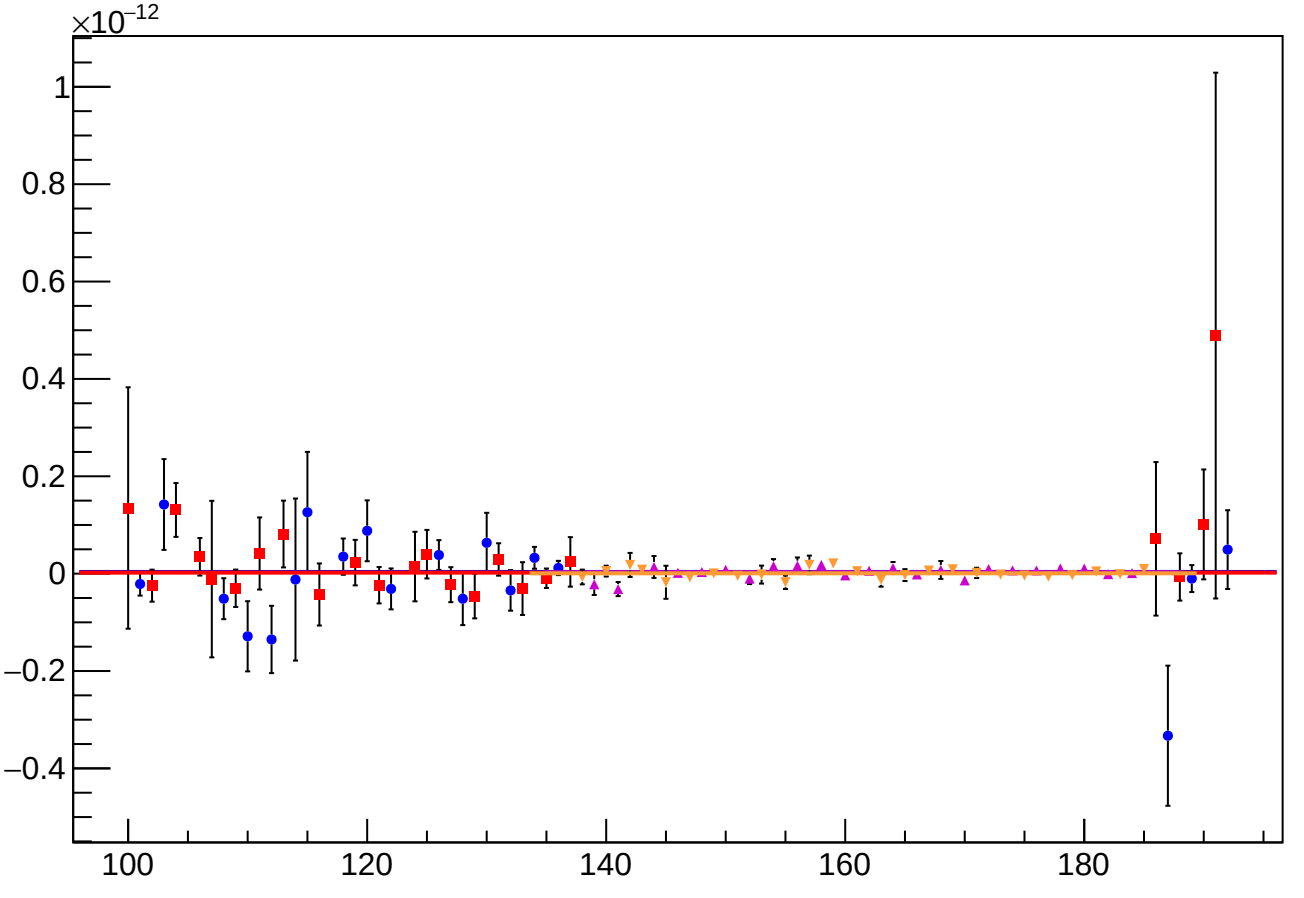
Right Out: 58.264+/-0.017 χ^2/NDF: 4359978.7/22

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.623+/-0.008 χ^2/NDF: 6526364.0/43

All: 49.842+/-0.006 χ^2/NDF: 13205716.3/89

- sign 49.077+/-0.008 χ^2/NDF: 6659685.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

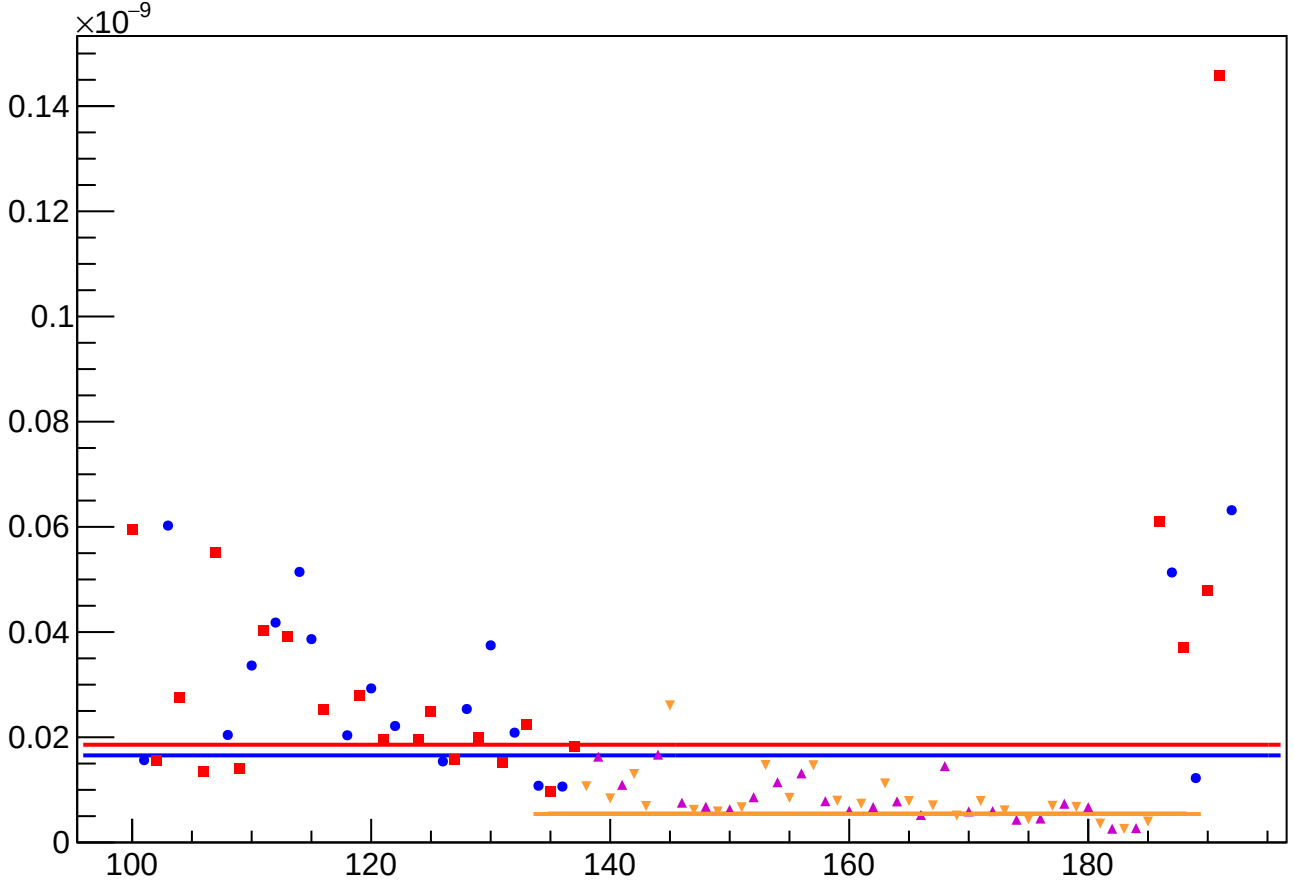
Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/22

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.9/43

All: 0.000+/-0.000 χ^2/NDF: 82.4/89

- sign 0.000+/-0.000 χ^2/NDF: 37.9/45



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

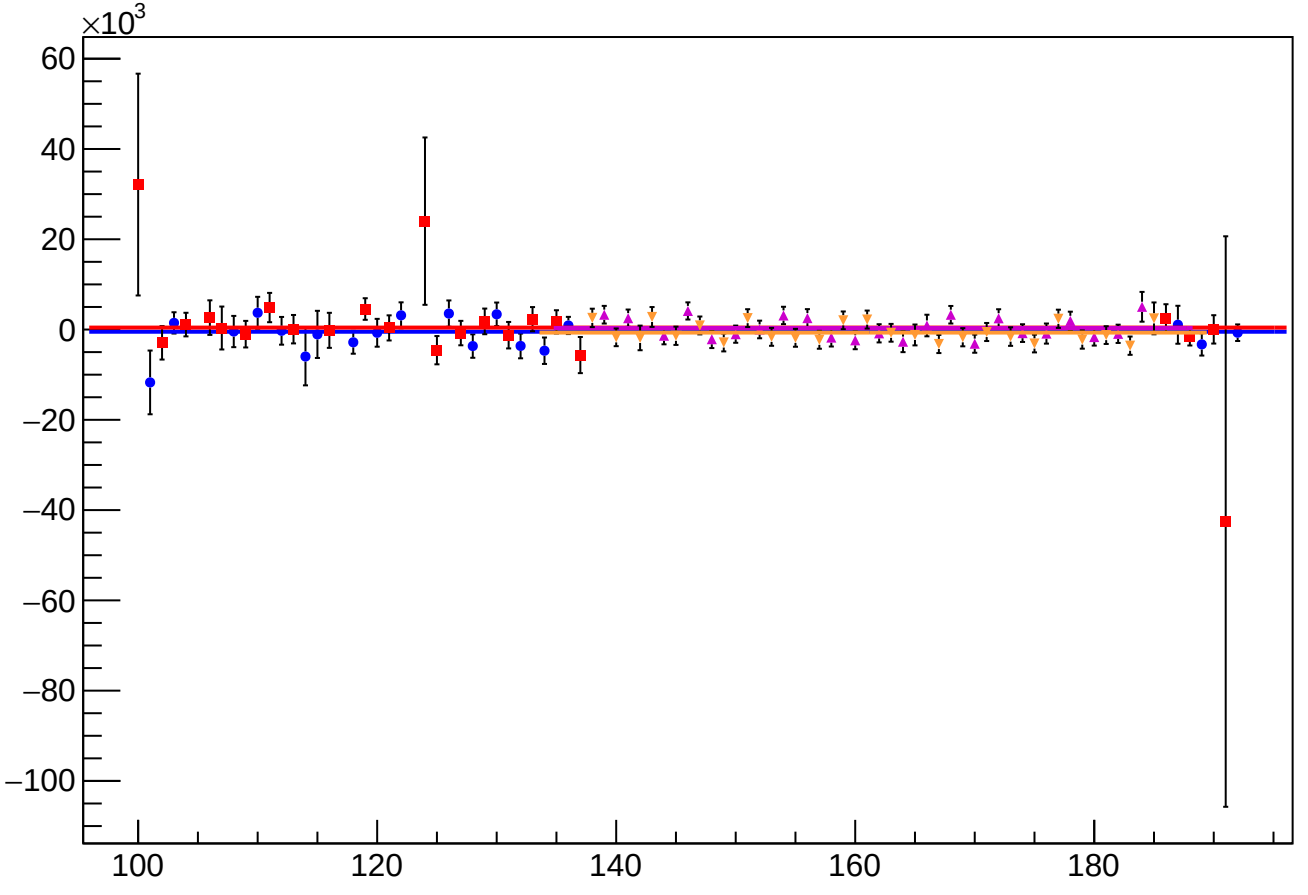
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11405593.1/43

All: 0.000+/-0.000 χ^2/NDF: 21881674.4/89

- sign 0.000+/-0.000 χ^2/NDF: 10475746.2/45

reg_asym_at1_dd_mean vs Slug



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

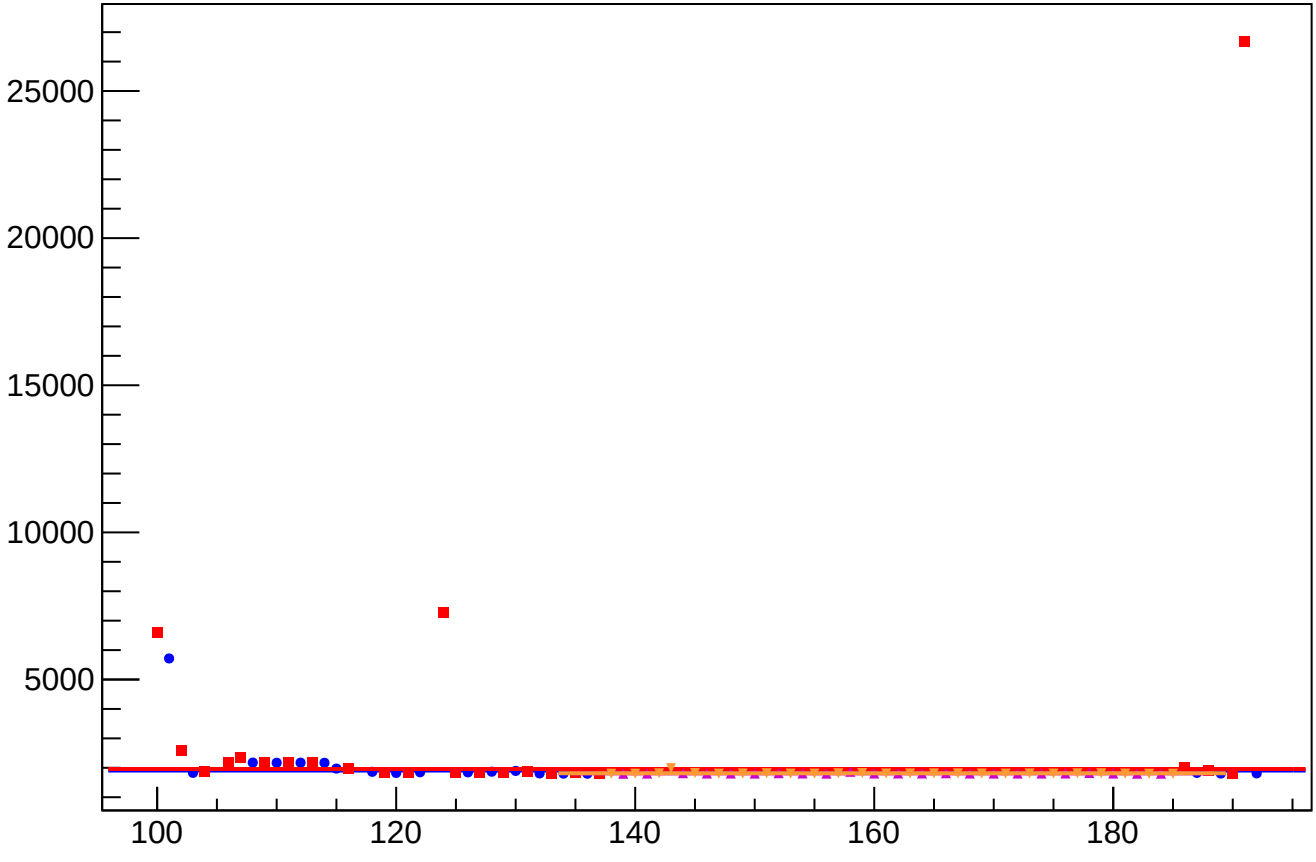
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -617.102+/-348.118 χ^2/NDF: 43.6/43

All: -134.070+/-248.709 χ^2/NDF: 95.6/89

- sign 369.532+/-355.453 χ^2/NDF: 48.1/45

reg_asym_at1_dd_rms vs Slug



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

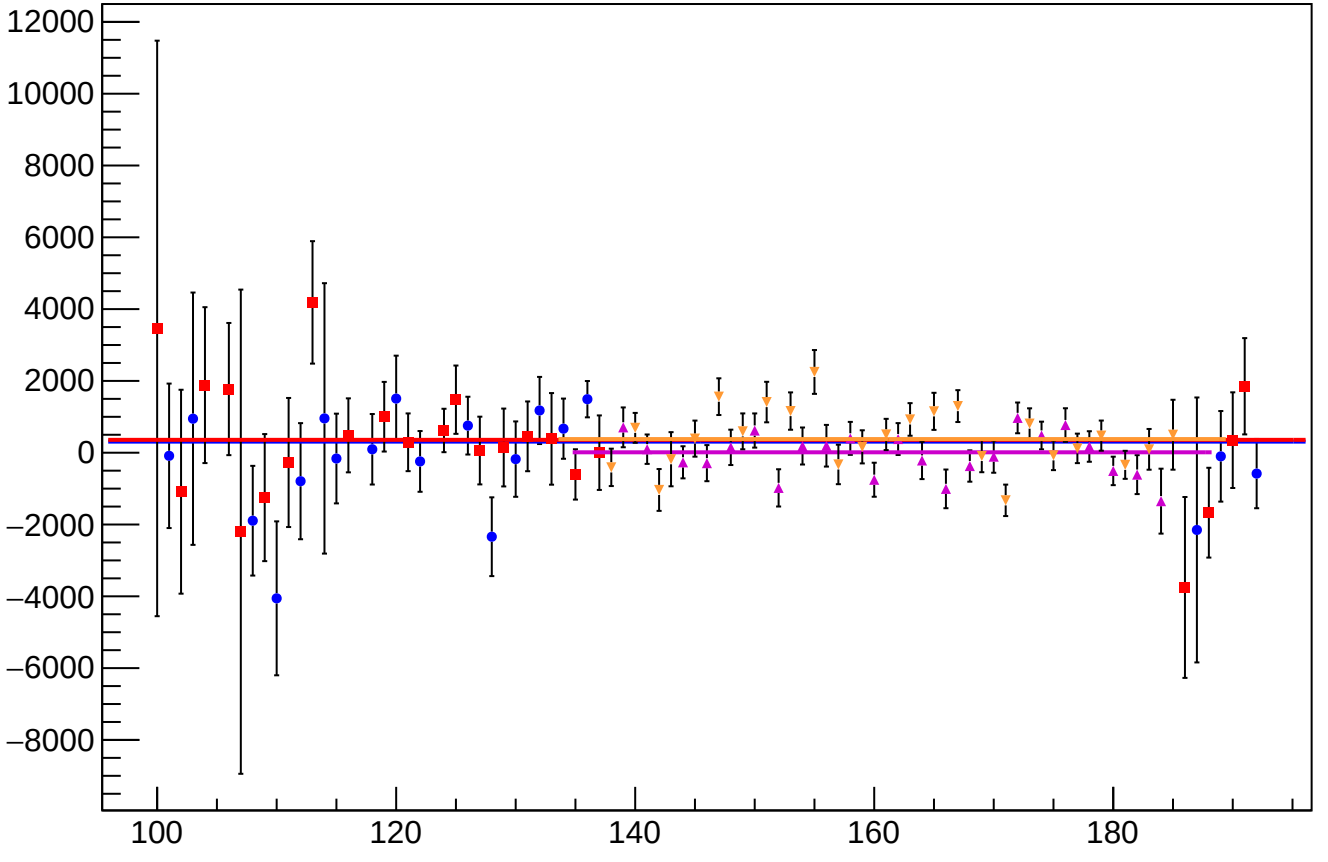
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1841.048+/-0.246 χ^2/NDF: 694493.8/43

All: 1847.348+/-0.176 χ^2/NDF: 1464240.2/89

- sign 1853.916+/-0.251 χ^2/NDF: 768408.7/45

asym_at1_dd_reg_correction_mean vs Slug



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

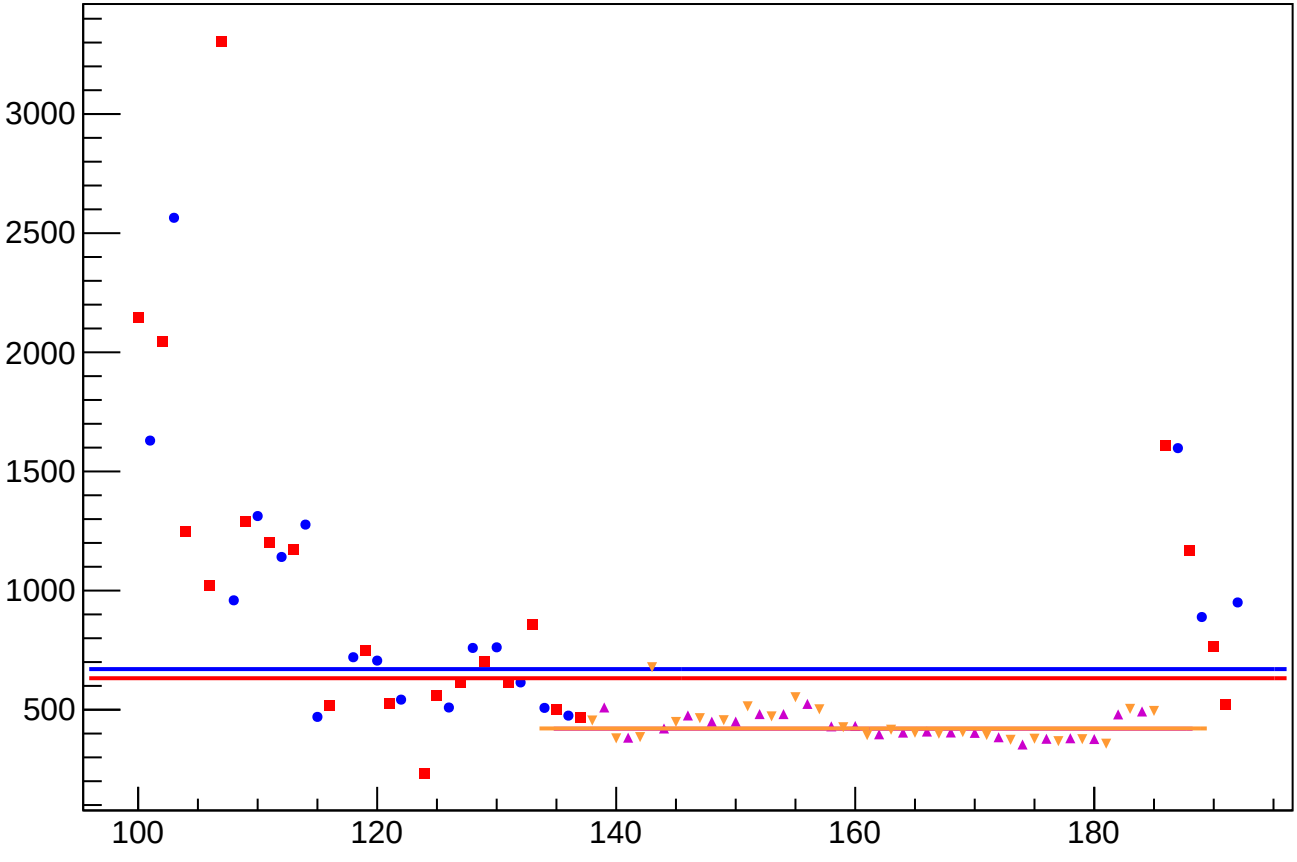
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 369.823+/-90.172 χ^2/NDF: 85.1/43

All: 218.259+/-64.199 χ^2/NDF: 142.0/89

- sign 62.458+/-91.424 χ^2/NDF: 51.3/45

asym_at1_dd_reg_correction_rms vs Slug



Right In: 670.527+/-0.173 χ^2/NDF: 2455557.6/18

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

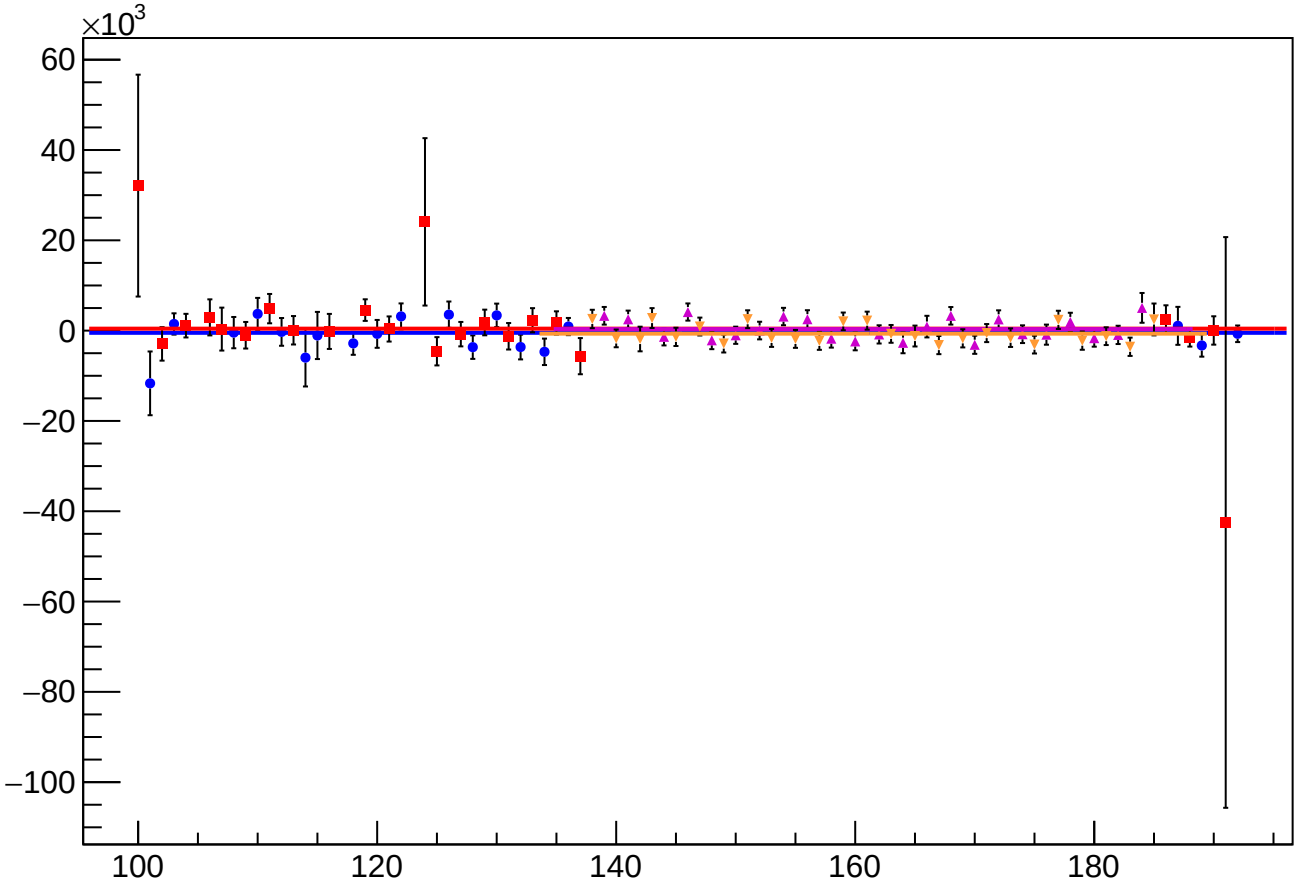
Right Out: 632.179+/-0.169 χ^2/NDF: 3677416.8/22

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 455.309+/-0.064 χ^2/NDF: 4992795.6/43

All: 453.349+/-0.045 χ^2/NDF: 10431509.5/89

- sign 451.333+/-0.065 χ^2/NDF: 5436796.1/45



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

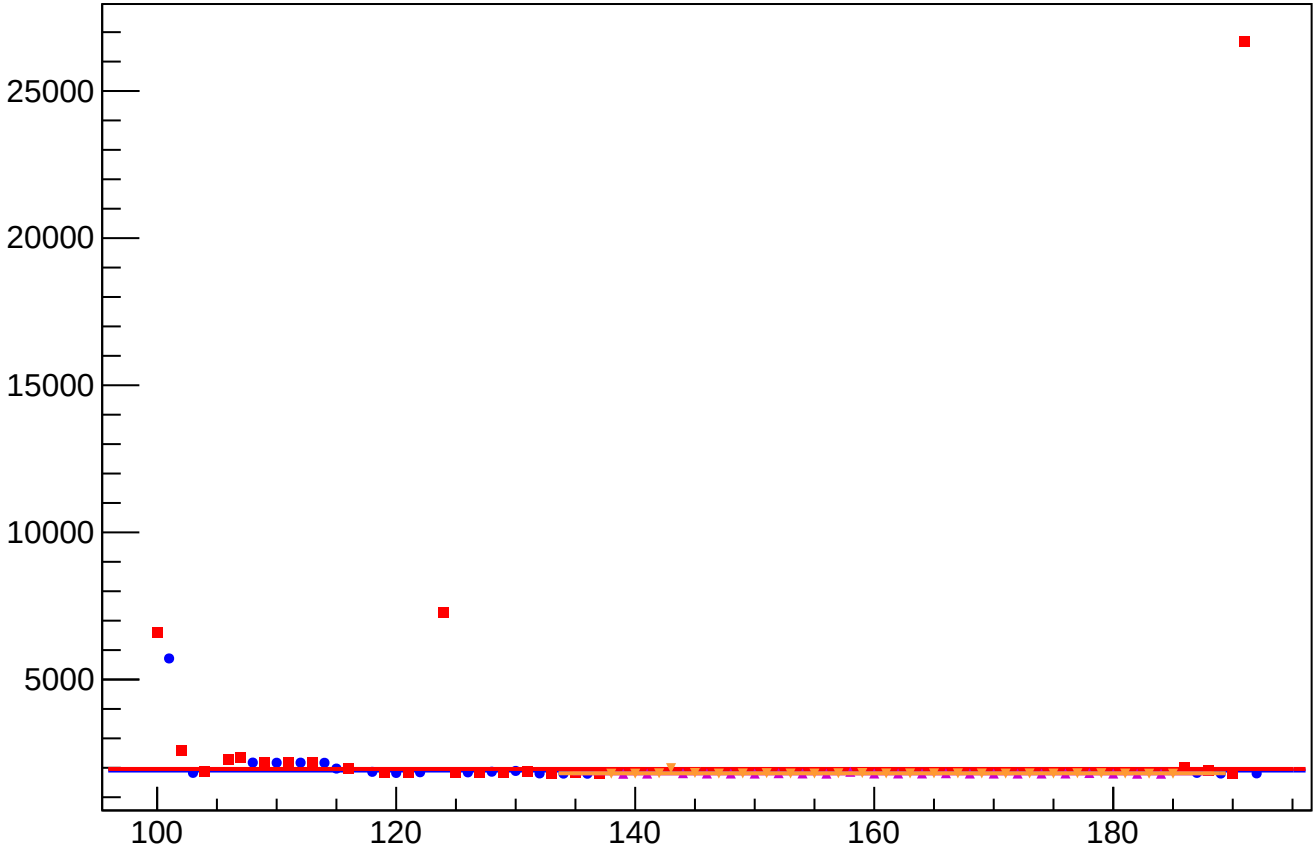
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -616.911+/-348.118 χ^2/NDF: 43.6/43

All: -133.675+/-248.751 χ^2/NDF: 95.6/89

- sign 370.481+/-355.574 χ^2/NDF: 48.1/45

cor_asym_at1_dd_rms vs Slug



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

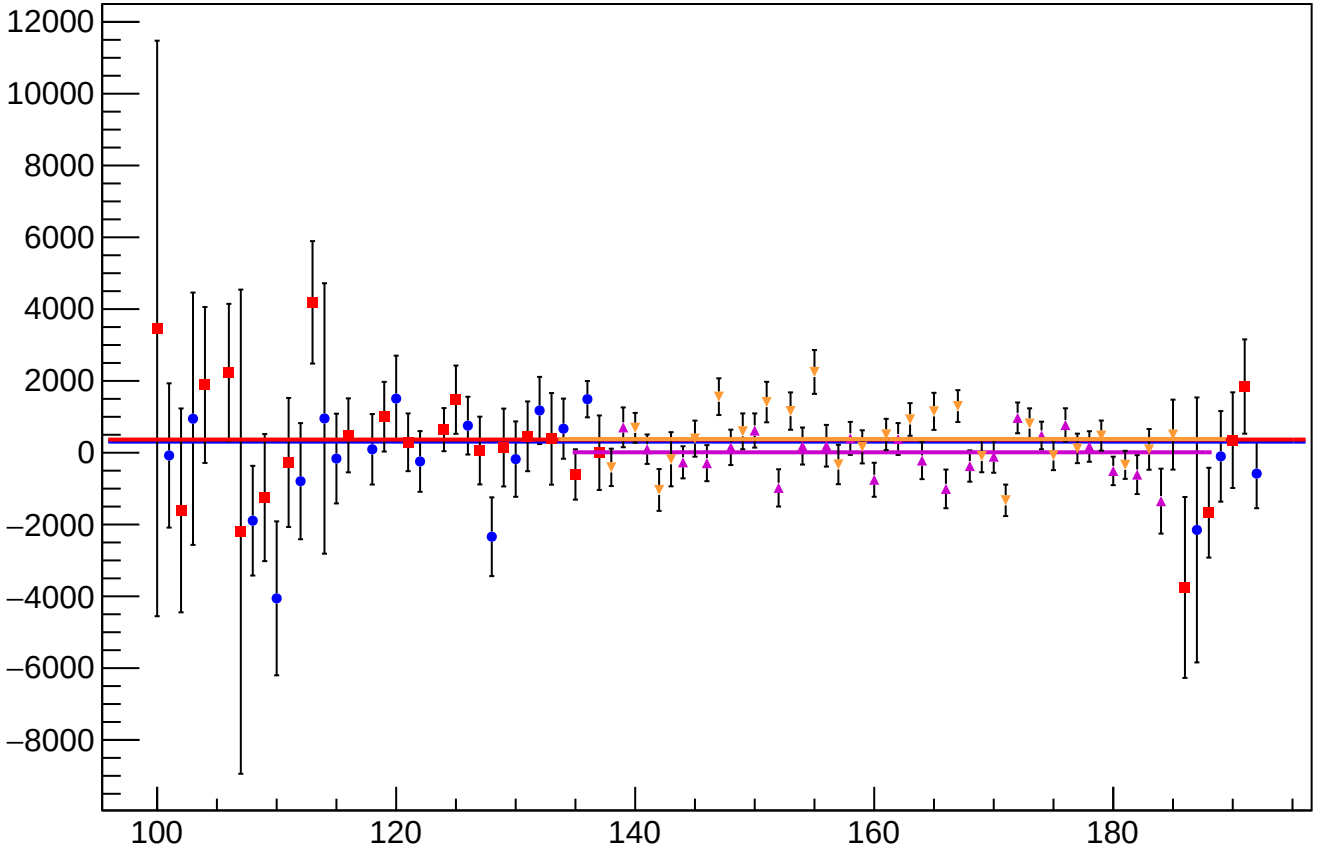
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1841.048+/-0.246 χ^2/NDF: 694493.7/43

All: 1847.553+/-0.176 χ^2/NDF: 1470828.1/89

- sign 1854.339+/-0.251 χ^2/NDF: 774907.8/45

asym_at1_dd_cor_correction_mean vs Slug



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

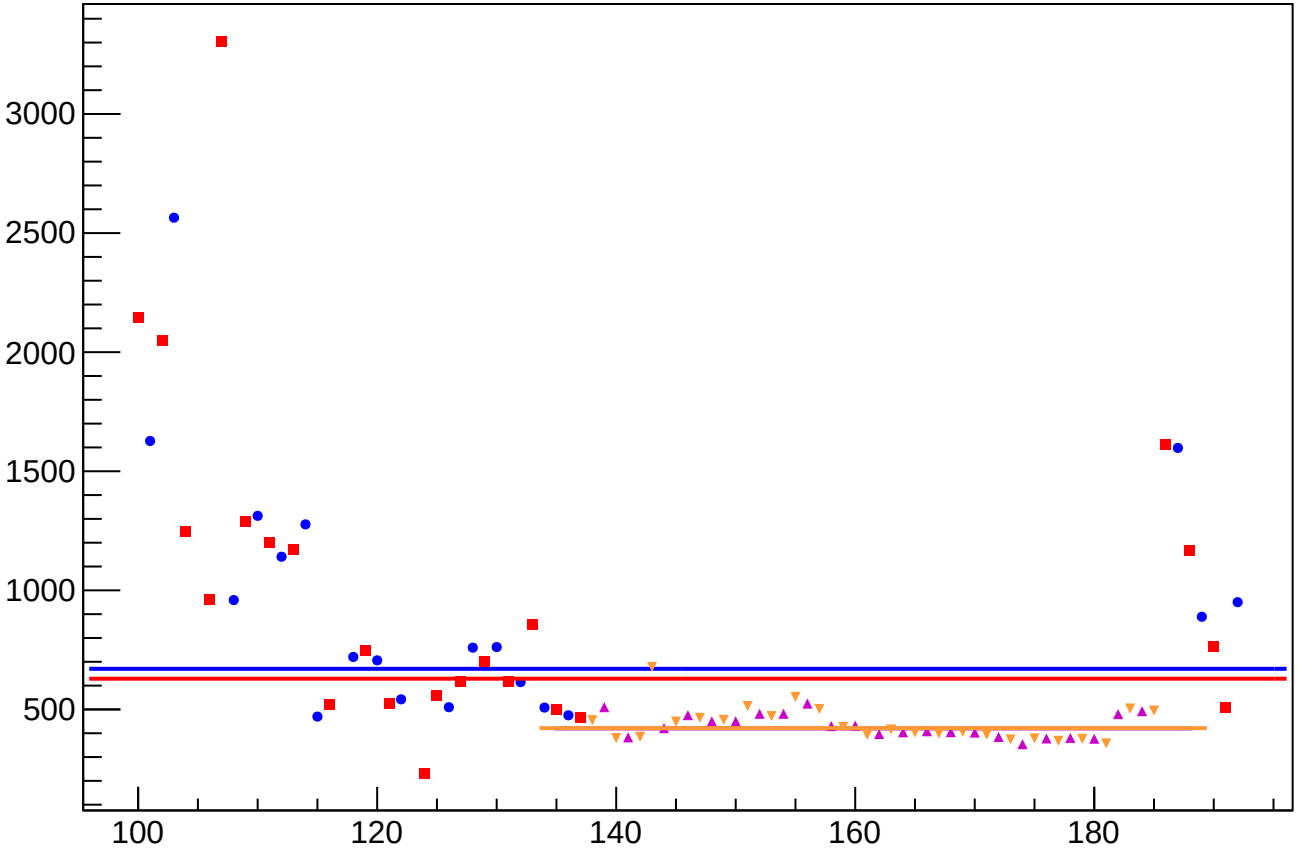
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 369.821+/-90.172 χ^2/NDF: 85.1/43

All: 218.846+/-64.194 χ^2/NDF: 142.8/89

- sign 63.707+/-91.407 χ^2/NDF: 52.0/45

asym_at1_dd_cor_correction_rms vs Slug



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

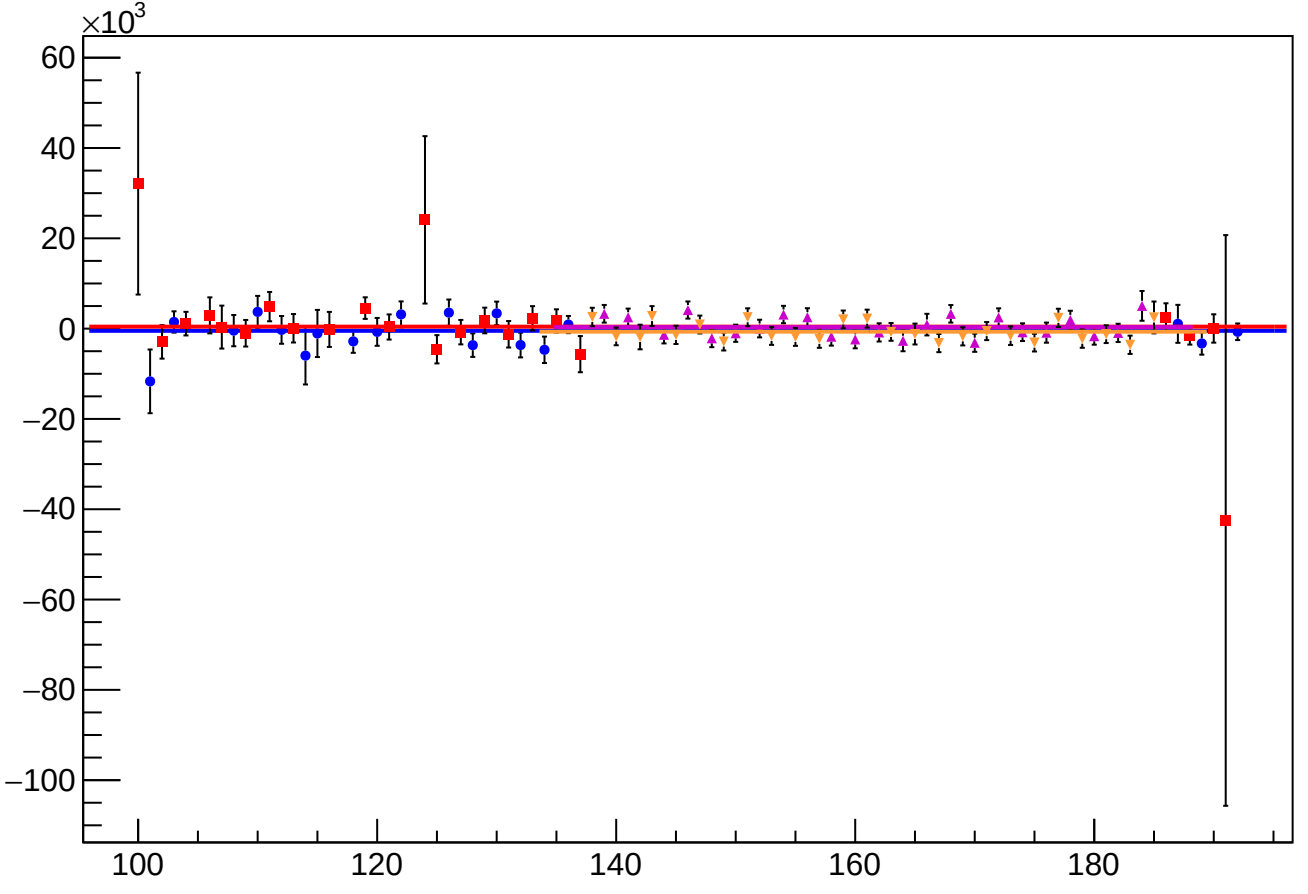
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 455.314+/-0.064 χ^2/NDF: 4991894.0/43

All: 453.153+/-0.045 χ^2/NDF: 10390834.1/89

- sign 450.932+/-0.065 χ^2/NDF: 5396610.9/45

eigen_cor_asym_at1_dd_mean vs Slug



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

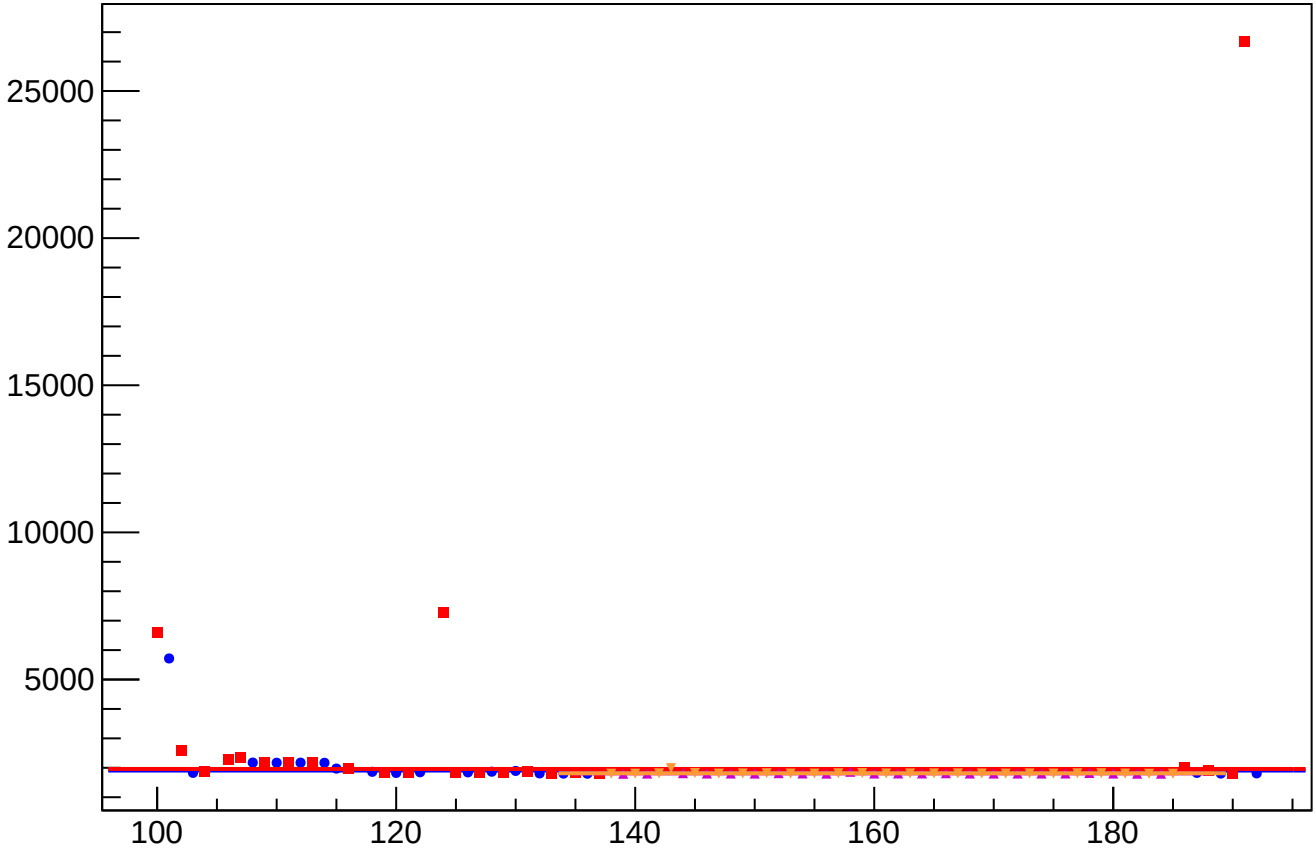
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -616.911+/-348.118 χ^2/NDF: 43.6/43

All: -133.675+/-248.751 χ^2/NDF: 95.6/89

- sign 370.481+/-355.574 χ^2/NDF: 48.1/45

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1907.238+/-0.460 χ^2/NDF: 652319.5/18

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

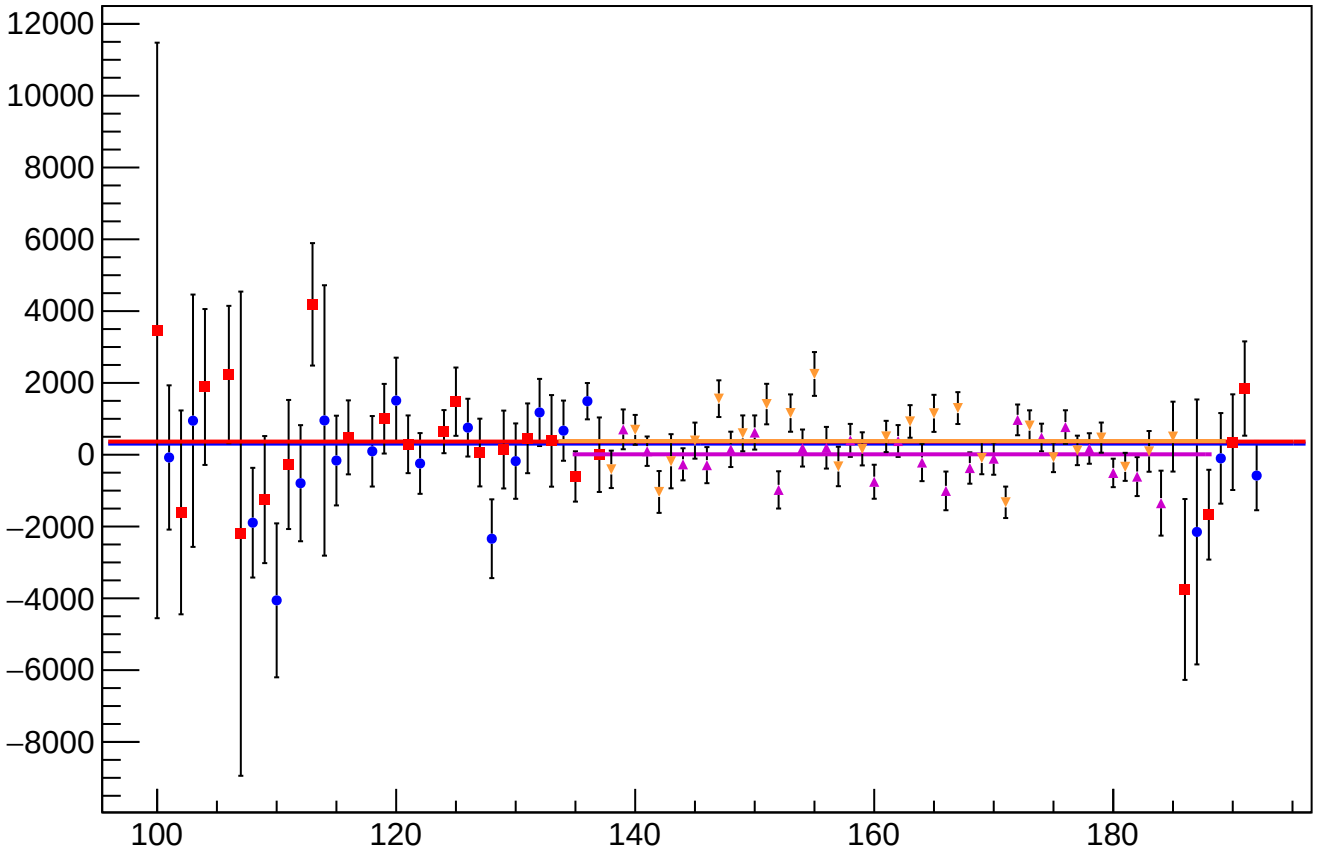
Right Out: 1960.516+/-0.465 χ^2/NDF: 699237.4/22

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1841.048+/-0.246 χ^2/NDF: 694493.7/43

All: 1847.553+/-0.176 χ^2/NDF: 1470828.1/89

- sign 1854.339+/-0.251 χ^2/NDF: 774907.8/45



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

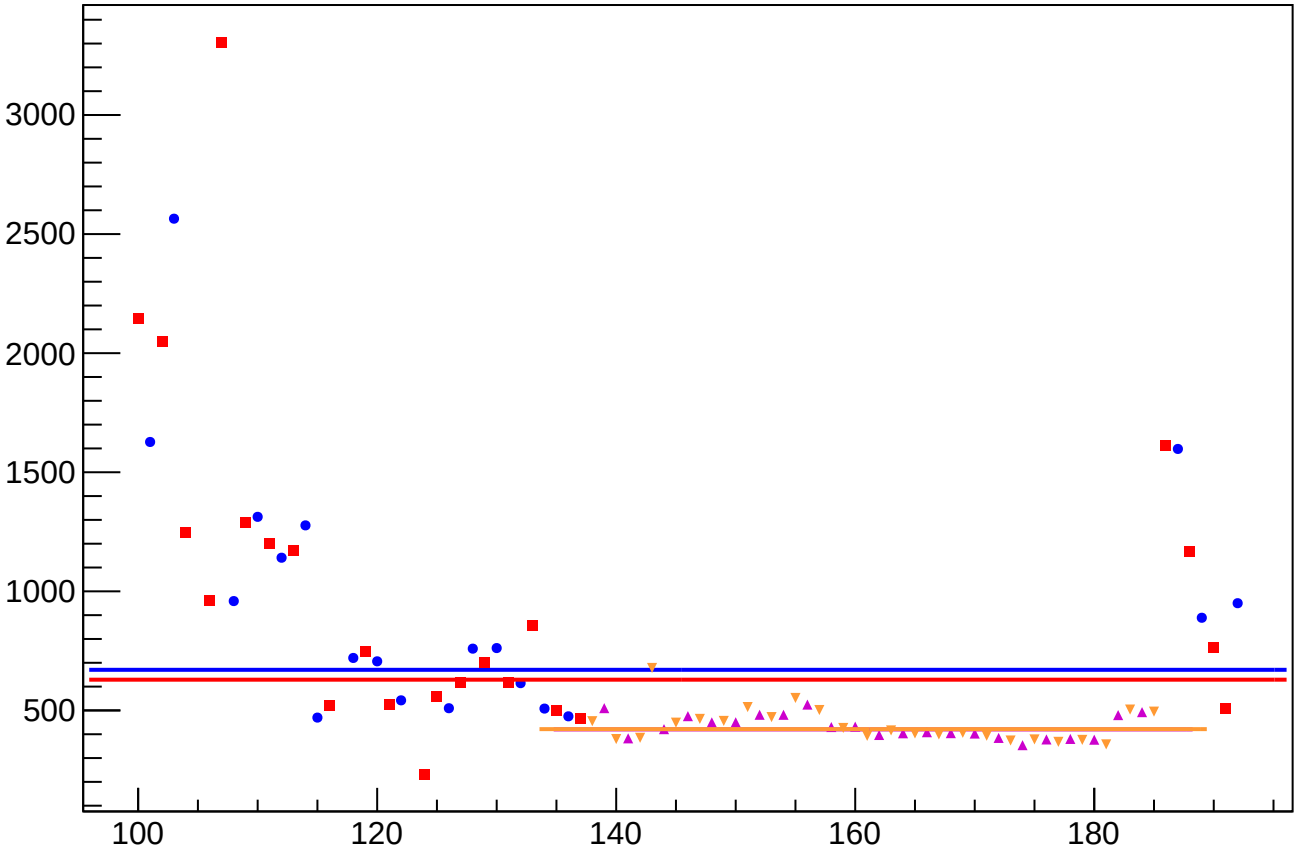
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

\+ sign 369.821+/-90.172 χ^2/NDF: 85.1/43

All: 218.846+/-64.194 χ^2/NDF: 142.8/89

\- sign 63.707+/-91.407 χ^2/NDF: 52.0/45

asym_at1_dd_eigen_cor_correction_rms vs Slug



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

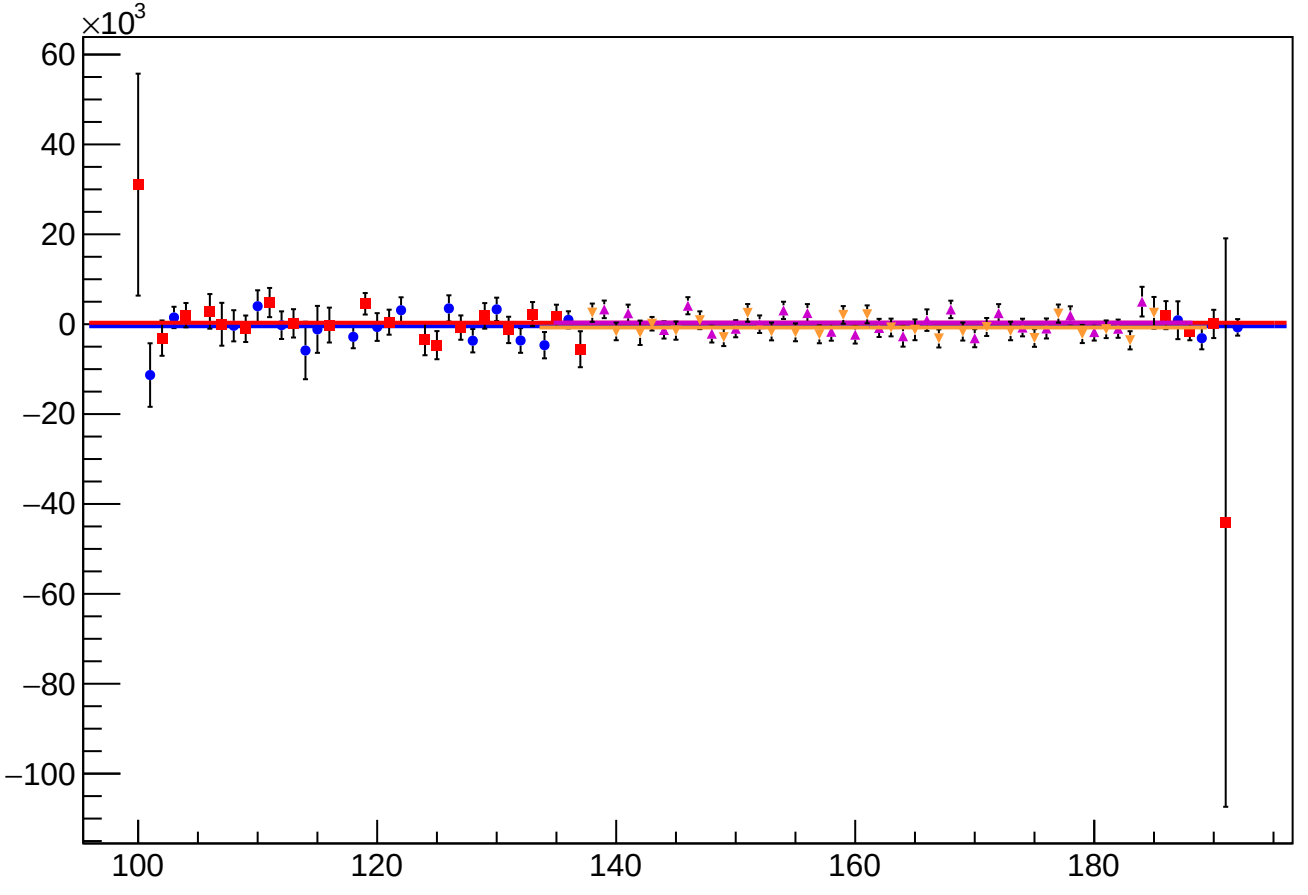
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 455.314+/-0.064 χ^2/NDF: 4991894.0/43

All: 453.153+/-0.045 χ^2/NDF: 10390834.1/89

- sign 450.932+/-0.065 χ^2/NDF: 5396610.9/45

dit_asym_at1_dd_mean vs Slug



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

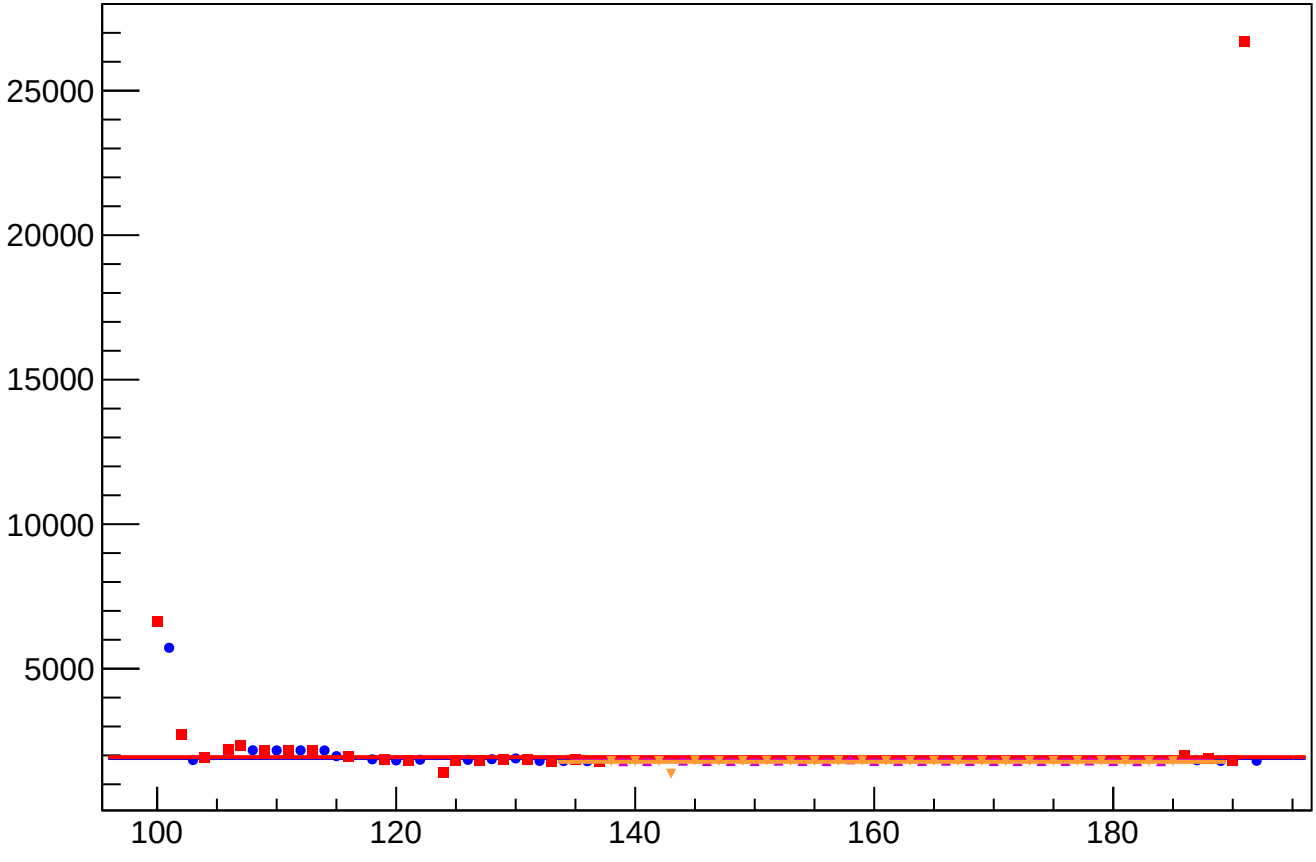
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -649.037+/-343.493 χ^2/NDF: 40.8/43

All: -172.259+/-246.639 χ^2/NDF: 91.9/89

- sign 335.171+/-354.362 χ^2/NDF: 47.1/45

dit_asym_at1_dd_rms vs Slug



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

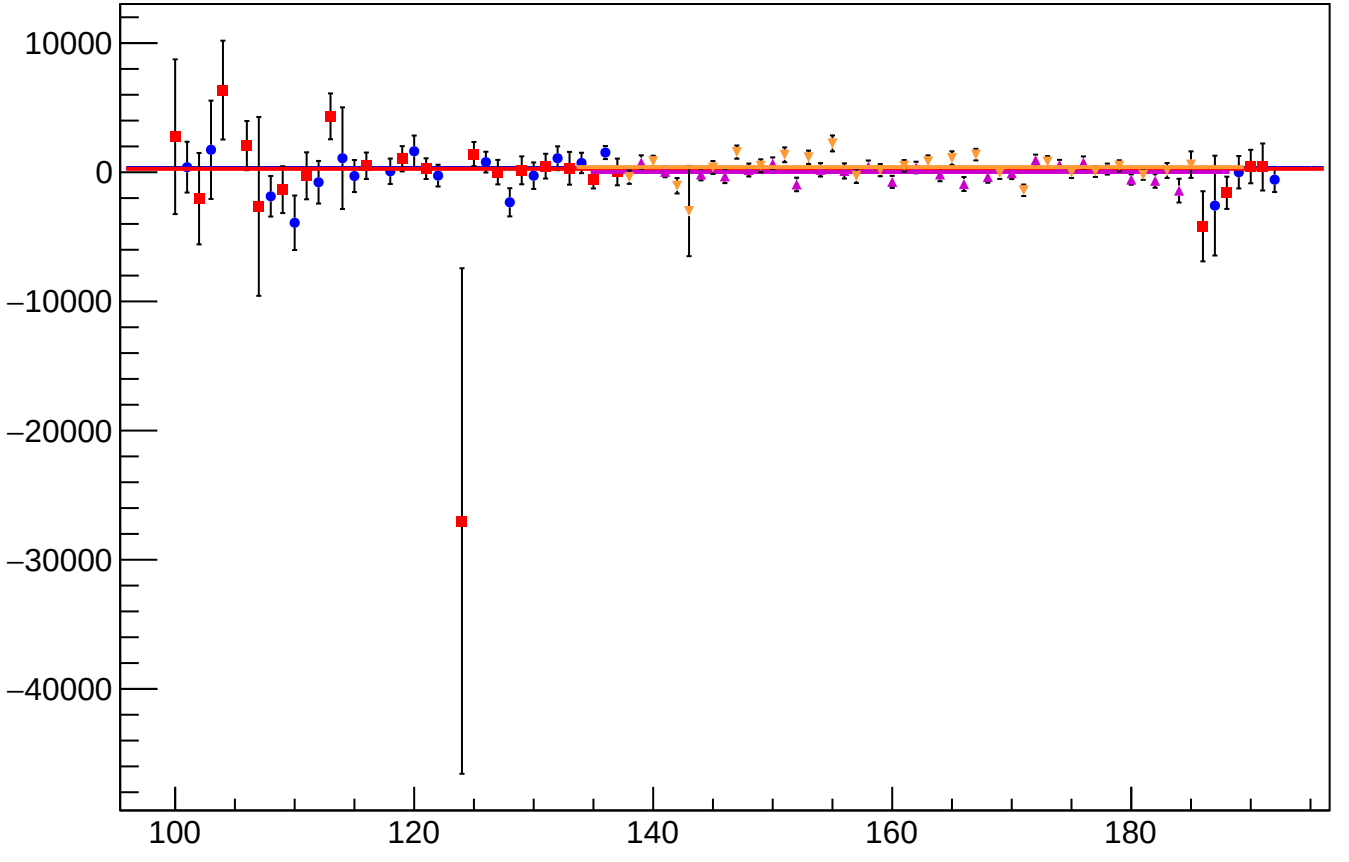
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.597+/-0.243 χ^2/NDF: 873085.5/43

All: 1830.938+/-0.174 χ^2/NDF: 1531381.9/89

- sign 1849.393+/-0.251 χ^2/NDF: 647774.8/45

asym_at1_dd_dit_correction_mean vs Slug



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

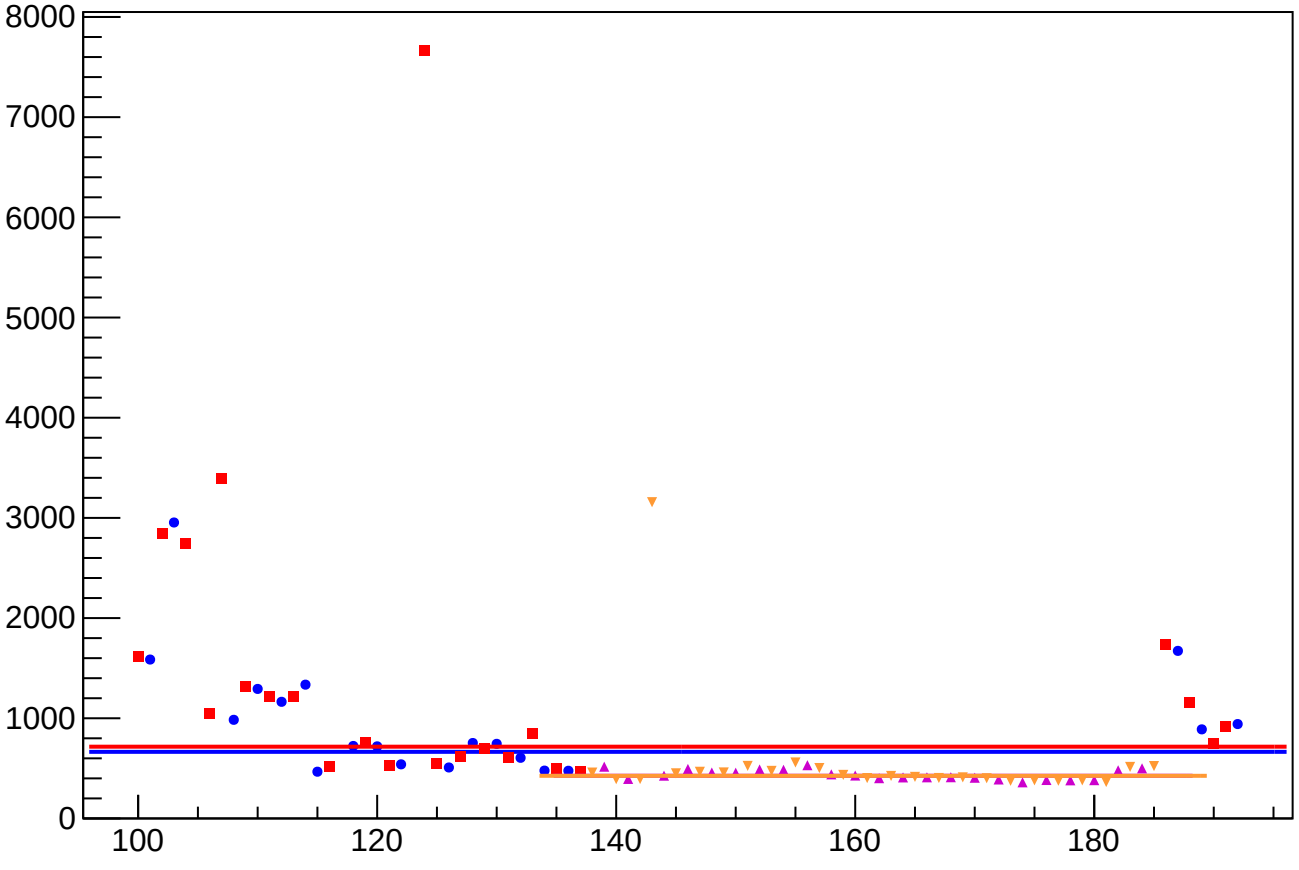
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 388.415+/-91.802 χ^2/NDF: 83.7/43

All: 223.797+/-65.568 χ^2/NDF: 142.9/89

- sign 52.370+/-93.682 χ^2/NDF: 52.6/45

asym_at1_dd_dit_correction_rms vs Slug



Right In: 664.971+/-0.172 χ^2/NDF: 2637266.8/18

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

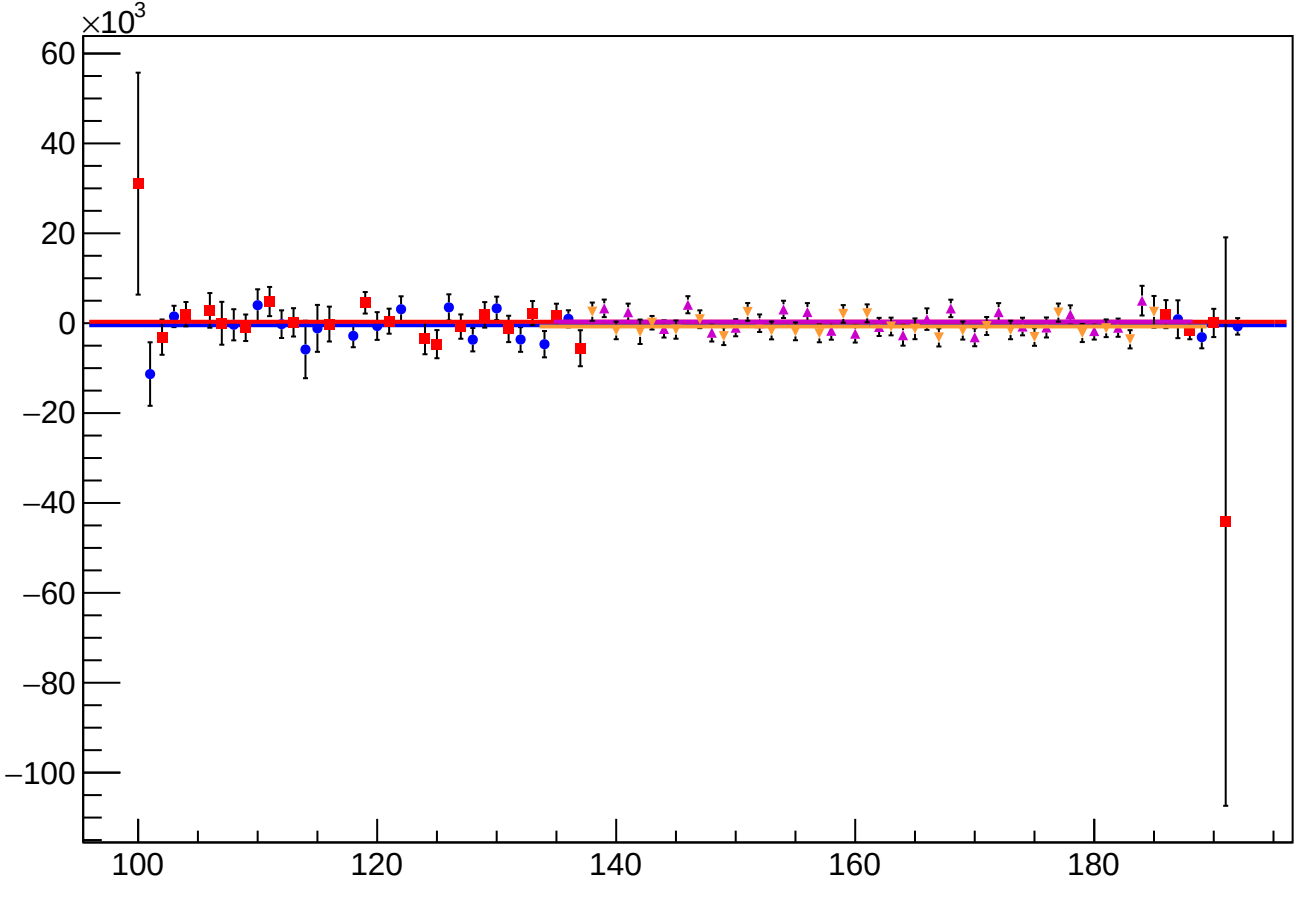
Right Out: 716.360+/-0.186 χ^2/NDF: 3674108.7/22

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 459.909+/-0.065 χ^2/NDF: 6020324.3/43

All: 461.423+/-0.046 χ^2/NDF: 12238899.1/89

- sign 463.000+/-0.066 χ^2/NDF: 6217464.2/45



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

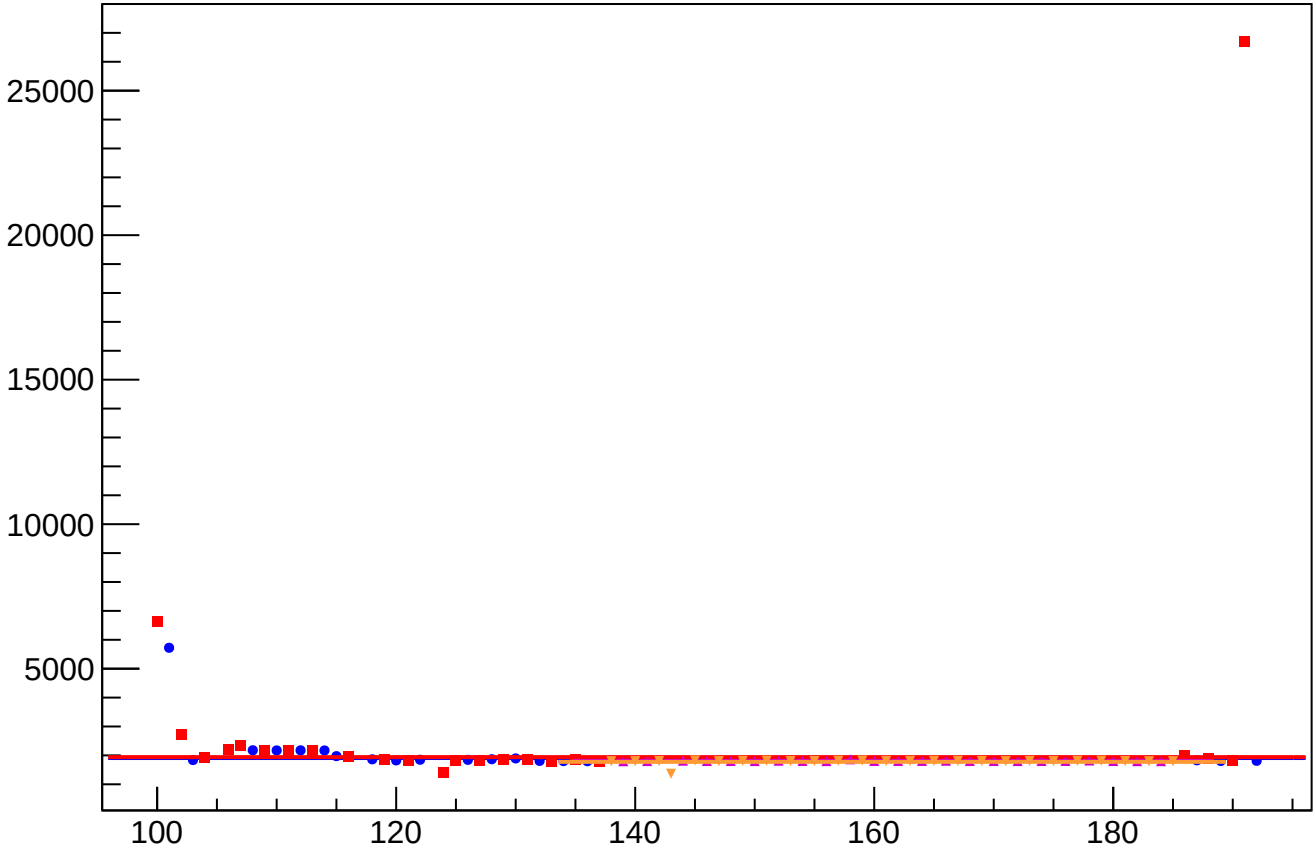
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -649.038+/-343.493 χ^2/NDF: 40.8/43

All: -172.259+/-246.639 χ^2/NDF: 91.9/89

- sign 335.171+/-354.362 χ^2/NDF: 47.1/45

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1909.083+/-0.460 χ^2/NDF: 652103.9/18

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

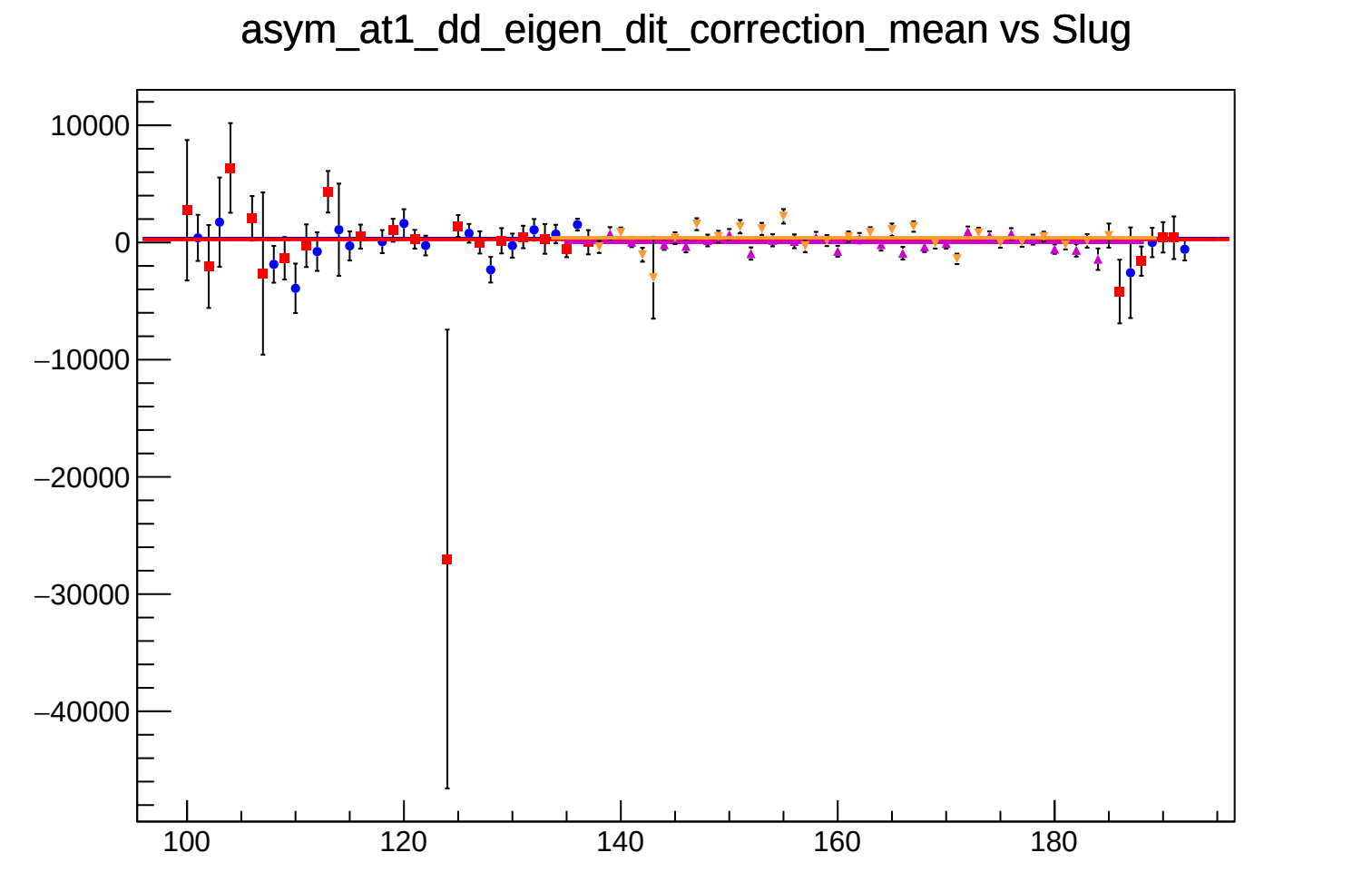
Right Out: 1939.755+/-0.459 χ^2/NDF: 590674.5/22

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.597+/-0.243 χ^2/NDF: 873085.5/43

All: 1830.938+/-0.174 χ^2/NDF: 1531381.7/89

- sign 1849.393+/-0.251 χ^2/NDF: 647774.6/45



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

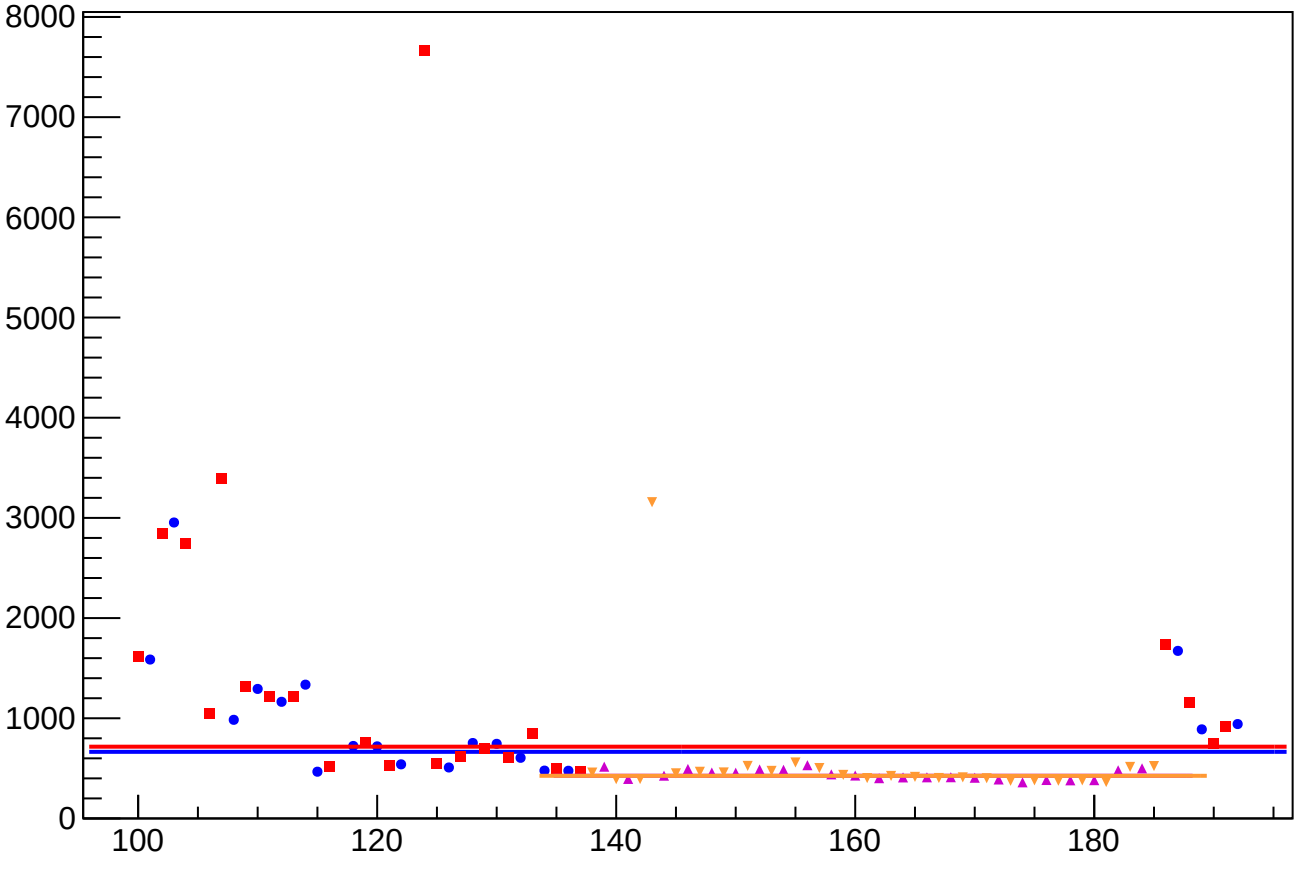
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 388.414+/-91.802 χ^2/NDF: 83.7/43

All: 223.797+/-65.568 χ^2/NDF: 142.9/89

- sign 52.370+/-93.682 χ^2/NDF: 52.6/45

asym_at1_dd_eigen_dit_correction_rms vs Slug



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

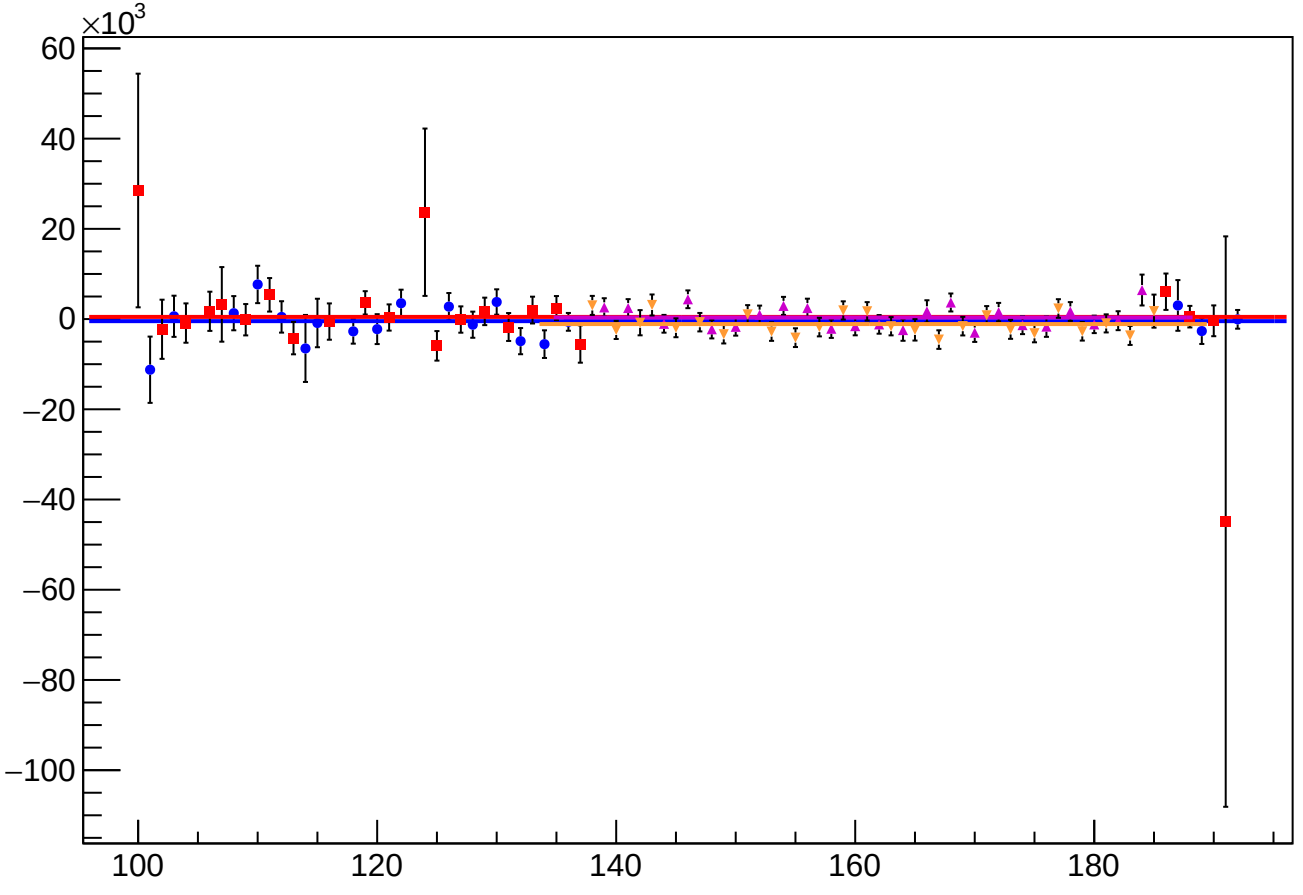
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 459.908+/-0.065 χ^2/NDF: 6020328.0/43

All: 461.423+/-0.046 χ^2/NDF: 12238909.4/89

- sign 462.999+/-0.066 χ^2/NDF: 6217470.8/45

asym_at1_dd_mean vs Slug



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

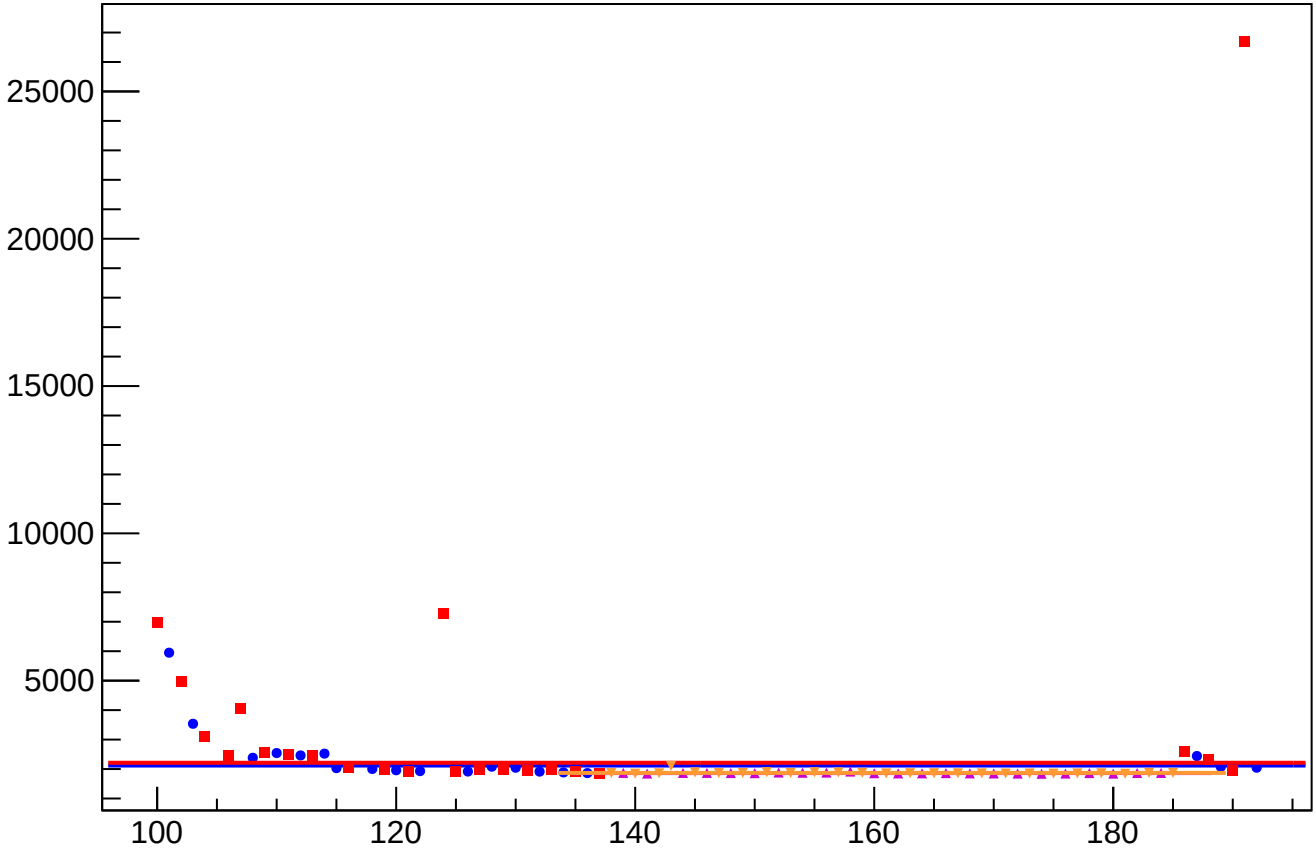
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -941.843+/-366.721 χ^2/NDF: 48.0/43

All: -298.226+/-262.700 χ^2/NDF: 101.3/89

- sign 380.166+/-376.498 χ^2/NDF: 47.0/45

asym_at1_dd_rms vs Slug



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

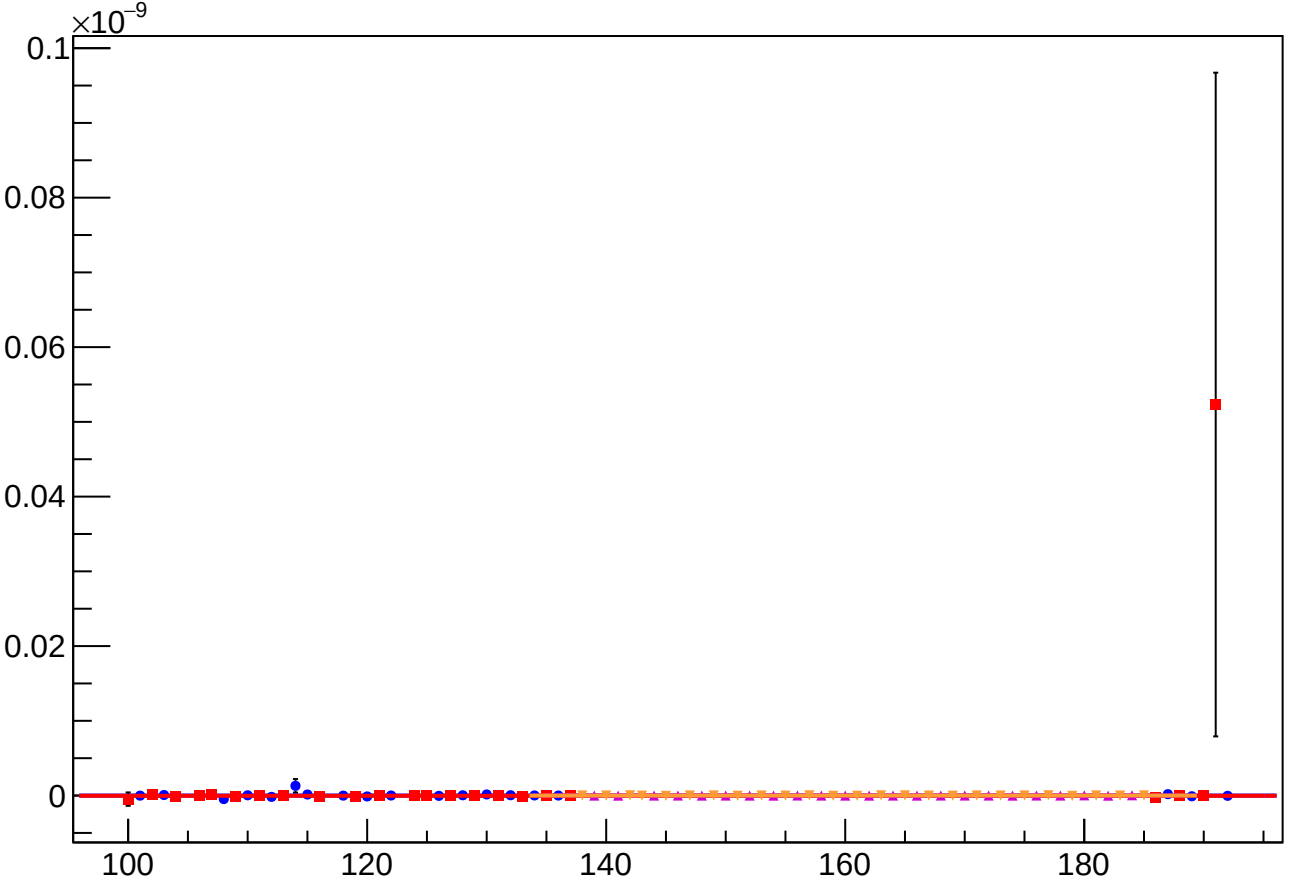
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1932.492+/-0.259 χ^2/NDF: 1084346.5/43

All: 1941.329+/-0.186 χ^2/NDF: 2693599.7/89

- sign 1950.645+/-0.266 χ^2/NDF: 1606867.4/45

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



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

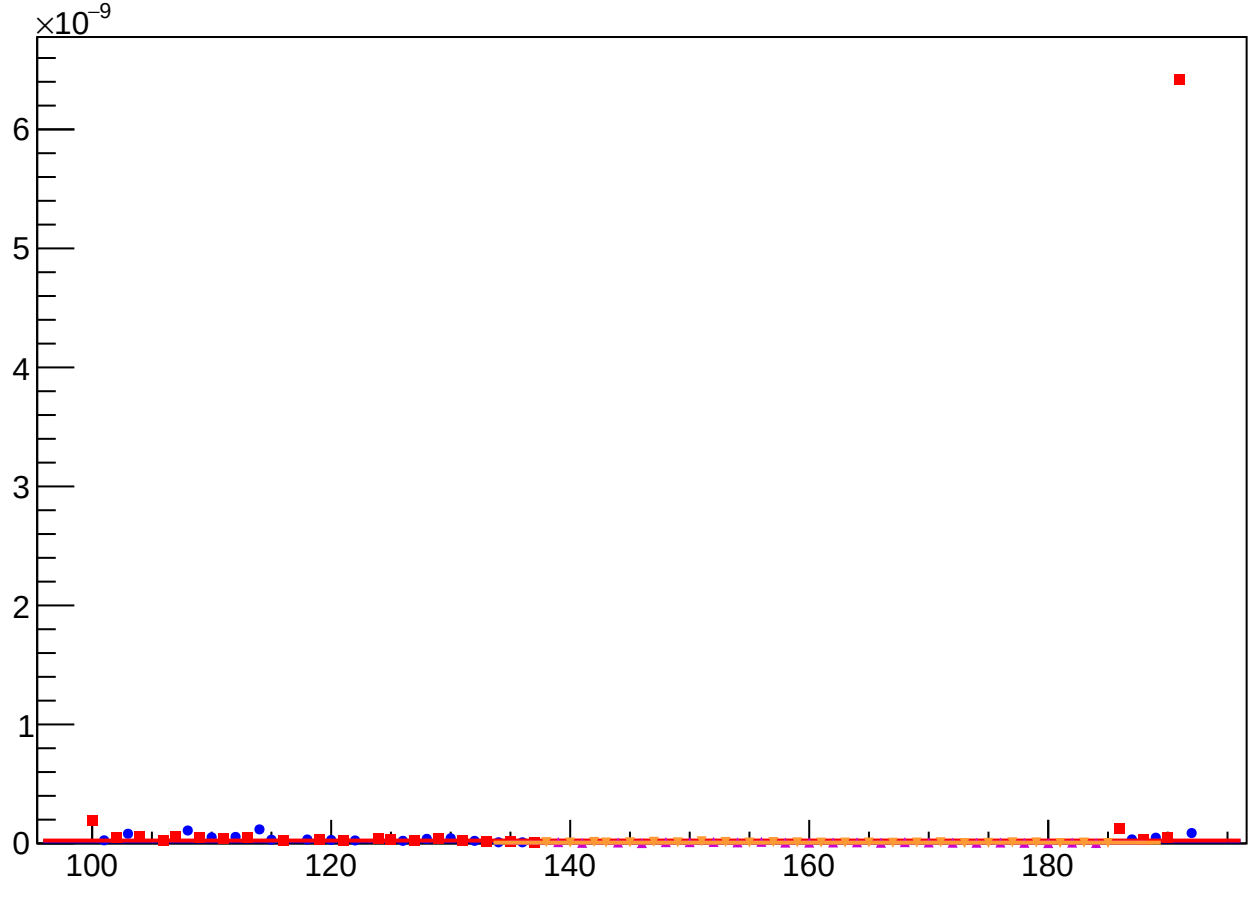
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.9/43

All: 0.000+/-0.000 χ^2/NDF: 99.5/89

- sign 0.000+/-0.000 χ^2/NDF: 37.1/45

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



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

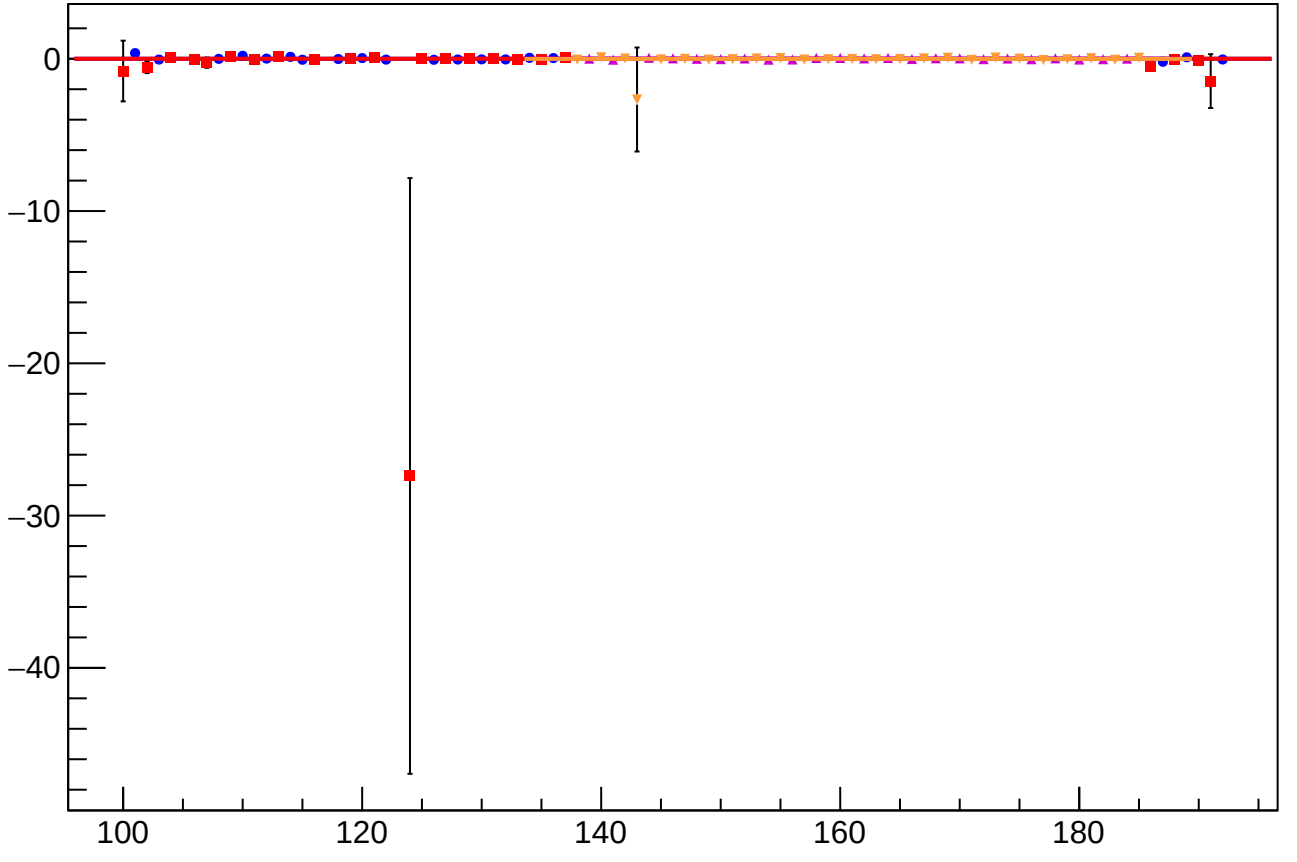
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6510542.6/43

All: 0.000+/-0.000 χ^2/NDF: 12306875.1/89

- sign 0.000+/-0.000 χ^2/NDF: 5795394.2/45

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



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

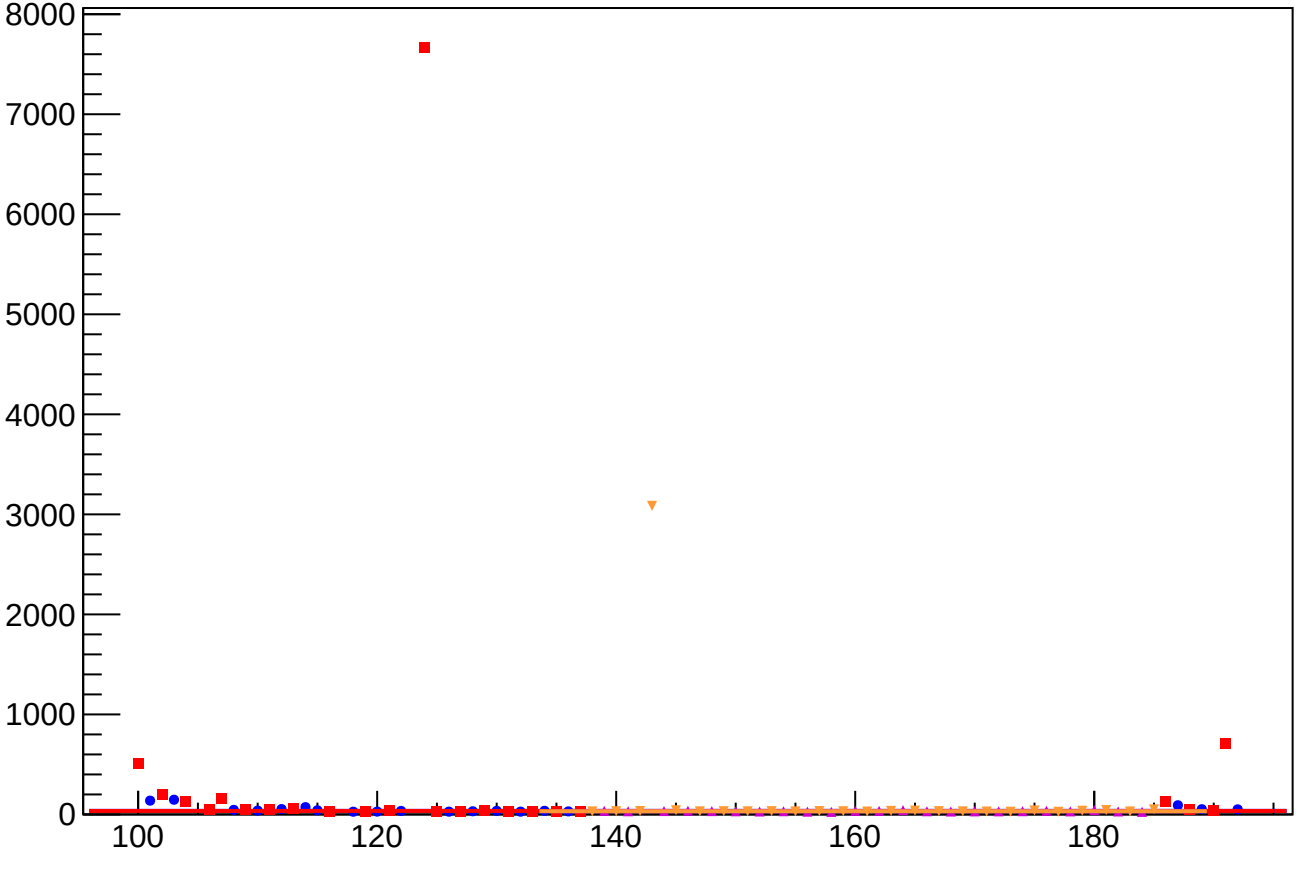
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 63.8/43

All: -0.002+/-0.005 χ^2/NDF: 109.2/89

\- sign 0.003+/-0.007 χ^2/NDF: 44.3/45

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



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

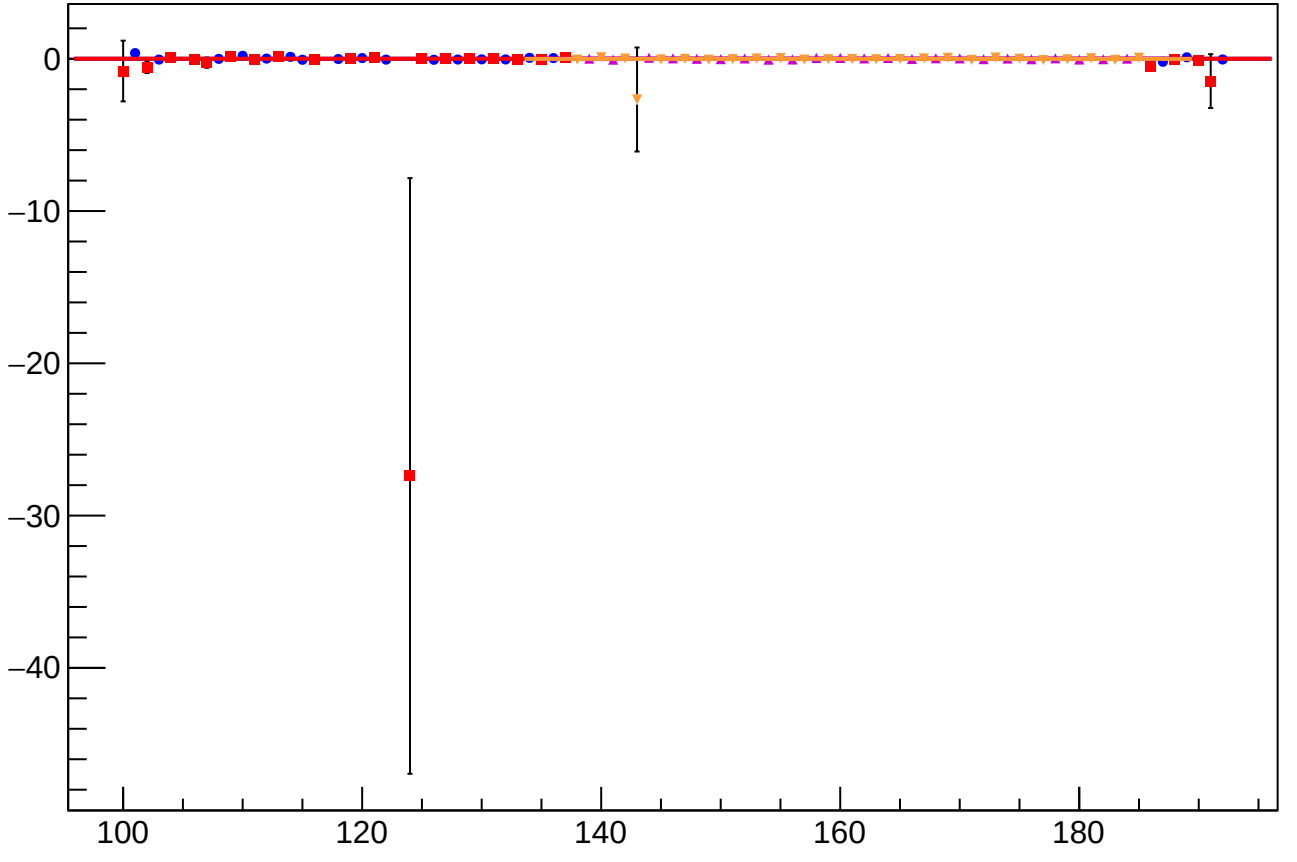
Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 33.200+/-0.005 χ^2/NDF: 4325874.9/43

All: 33.131+/-0.004 χ^2/NDF: 7794011.0/89

- sign 33.061+/-0.005 χ^2/NDF: 3467755.3/45

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug



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

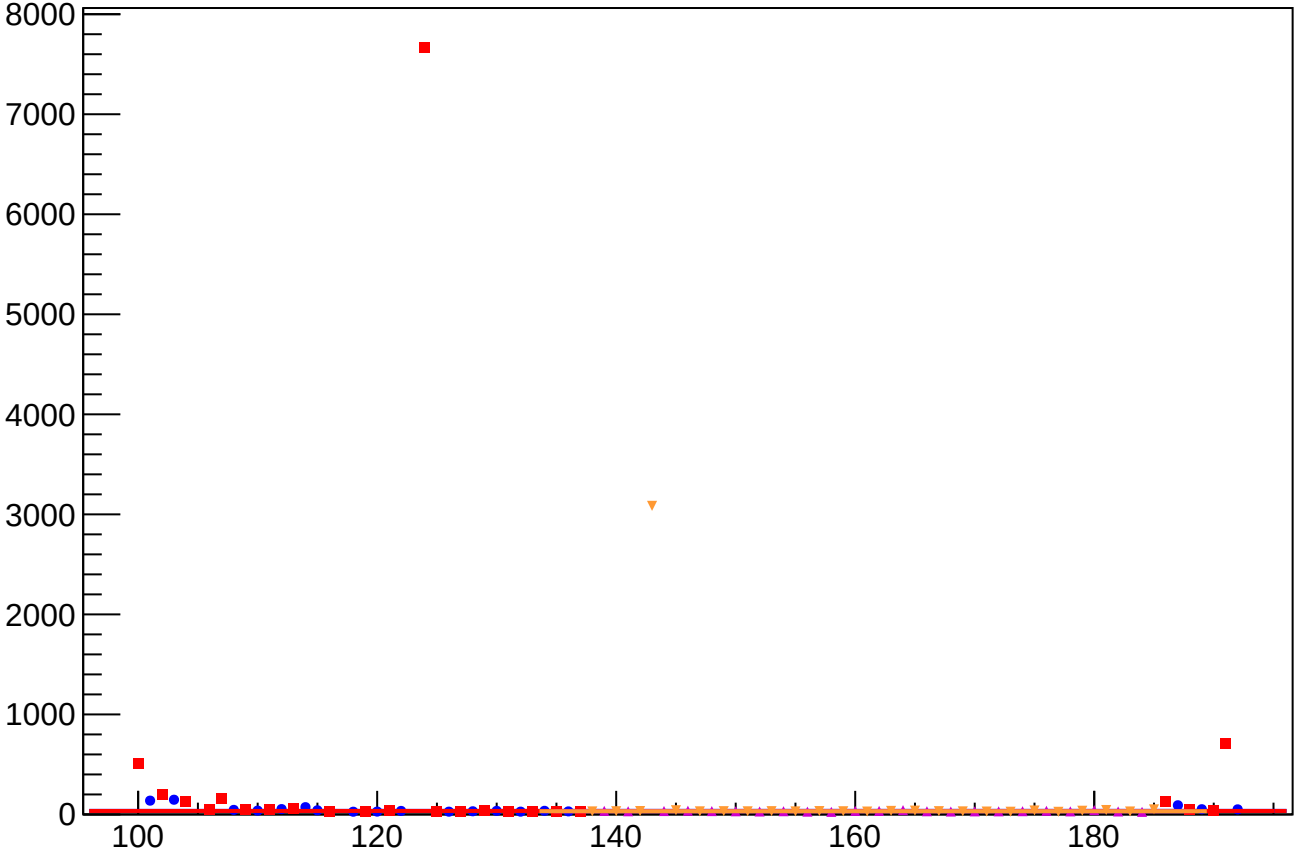
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 63.8/43

All: -0.002+/-0.005 χ^2/NDF: 109.2/89

\- sign 0.003+/-0.007 χ^2/NDF: 44.3/45

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.881+/-0.010 χ^2/NDF: 2106825.2/18

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

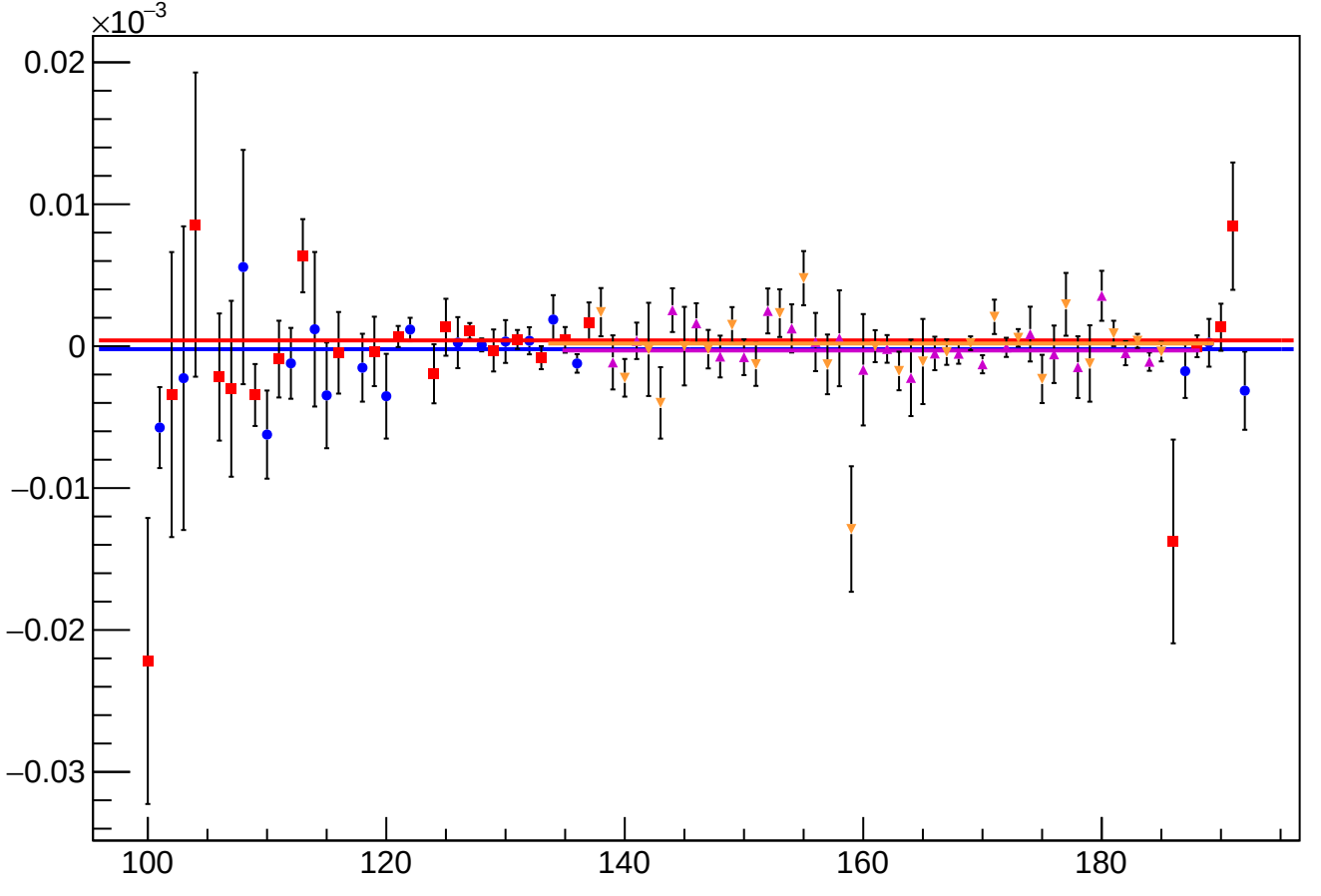
Right Out: 34.922+/-0.010 χ^2/NDF: 2995115.5/22

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

\+ sign 33.200+/-0.005 χ^2/NDF: 4325874.9/43

All: 33.131+/-0.004 χ^2/NDF: 7794011.0/89

\- sign 33.061+/-0.005 χ^2/NDF: 3467755.3/45



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

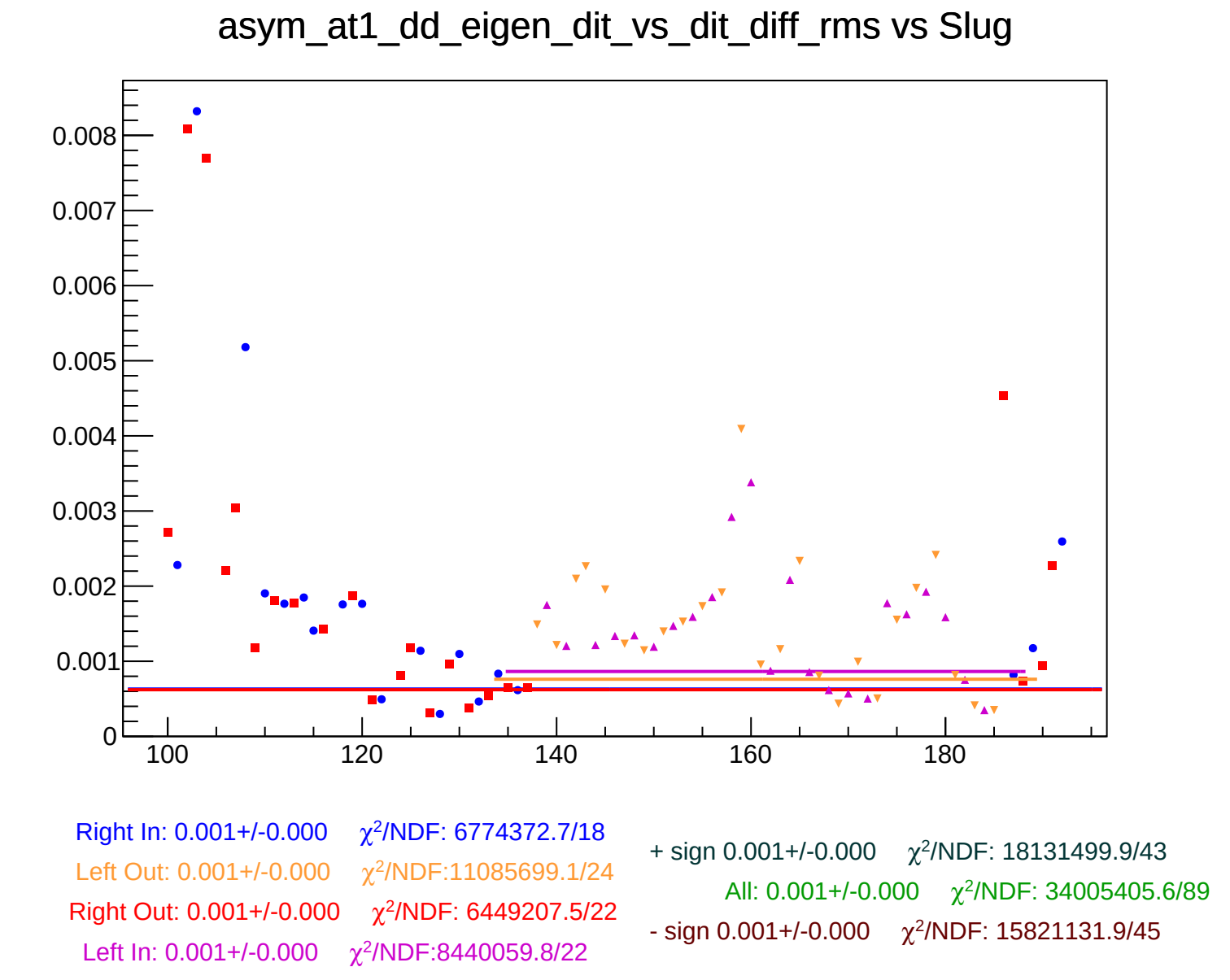
Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/22

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

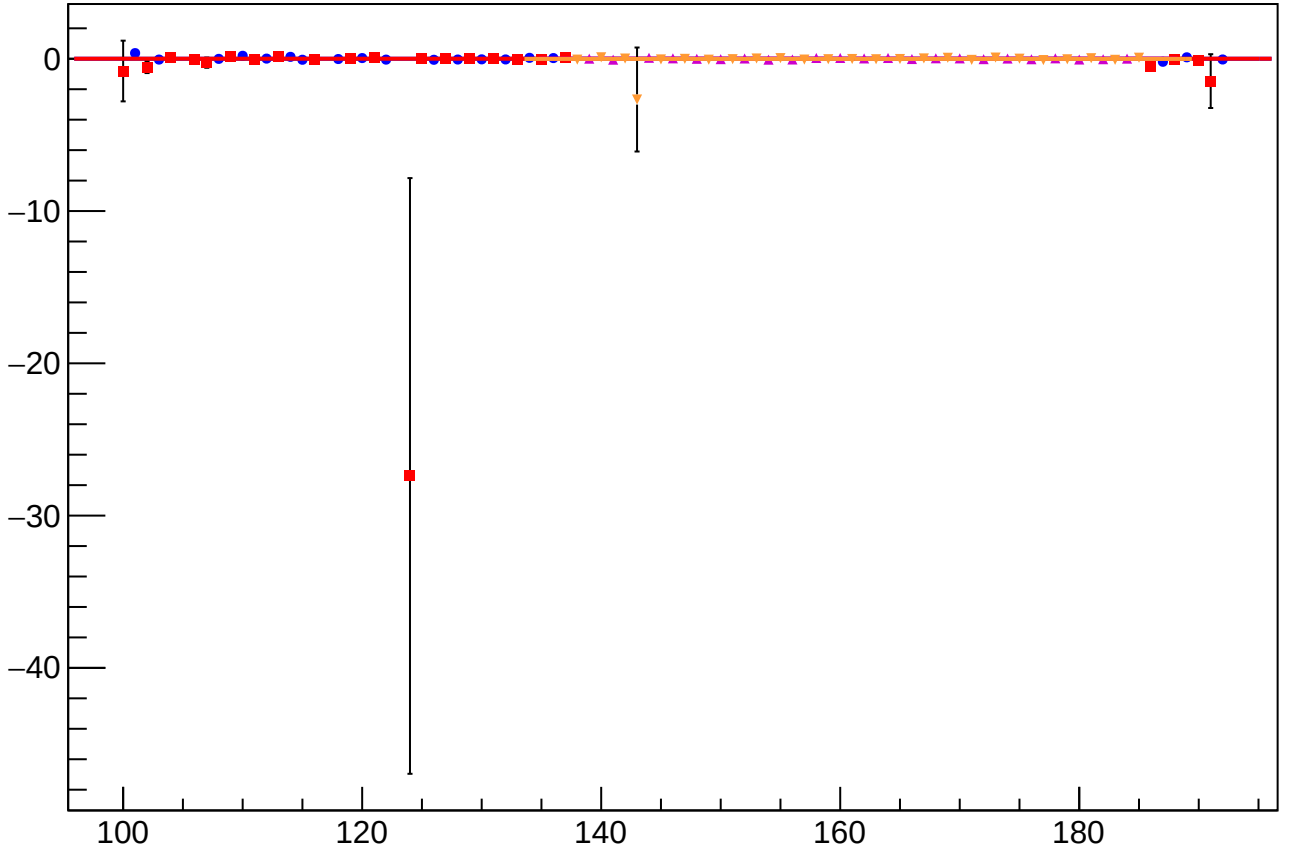
+ sign 0.000+/-0.000 χ^2/NDF: 58.9/43

All: 0.000+/-0.000 χ^2/NDF: 112.4/89

- sign 0.000+/-0.000 χ^2/NDF: 53.5/45


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
120
140
160
180
Right In: 0.001+/-0.000 χ²/NDF: 6774372.7/18
Left Out: 0.001+/-0.000 χ²/NDF:11085699.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 6449207.5/22
Left In: 0.001+/-0.000 χ²/NDF:8440059.8/22
+ sign 0.001+/-0.000 χ²/NDF: 18131499.9/43
All: 0.001+/-0.000 χ²/NDF: 34005405.6/89
- sign 0.001+/-0.000 χ²/NDF: 15821131.9/45

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

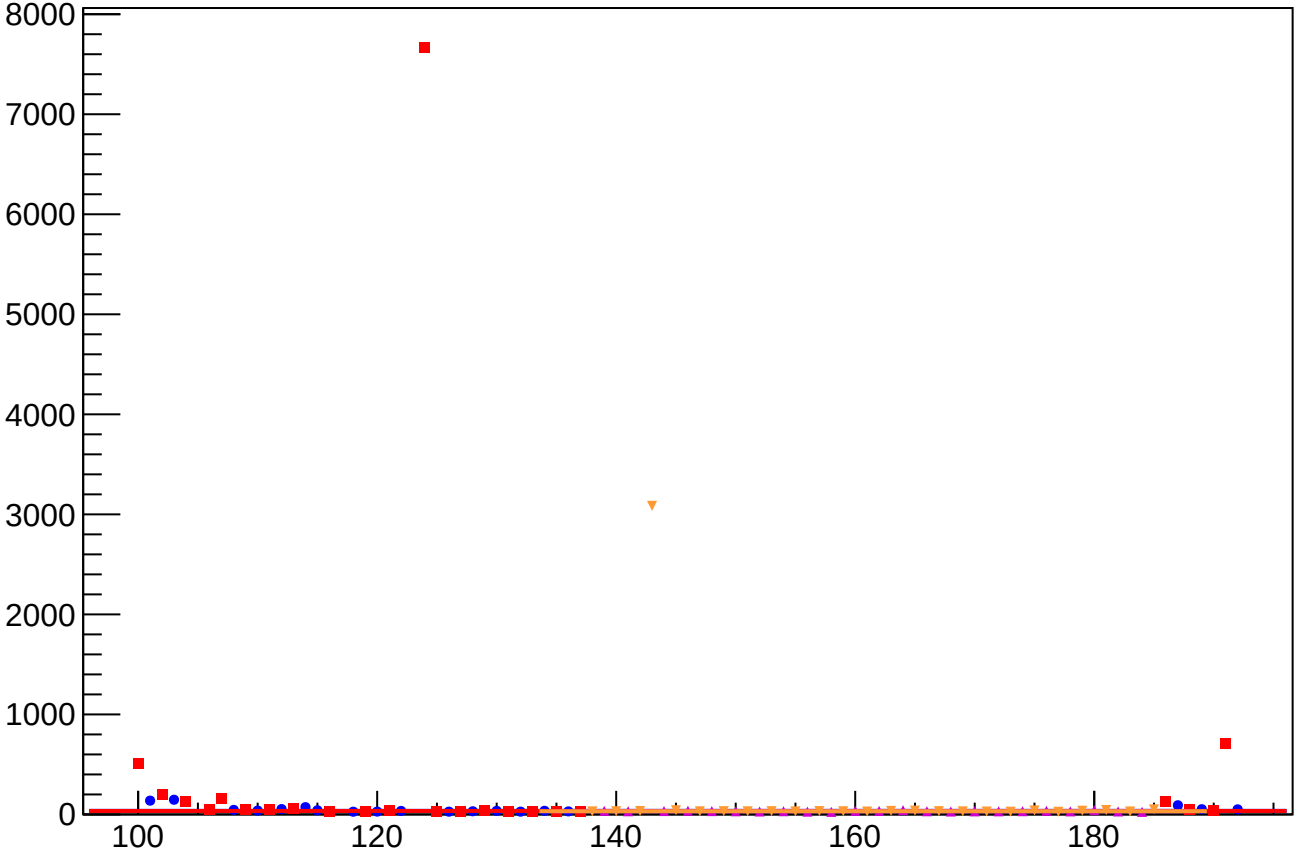
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 63.8/43

All: -0.002+/-0.005 χ^2/NDF: 109.2/89

\- sign 0.003+/-0.007 χ^2/NDF: 44.3/45

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.881+/-0.010 χ^2/NDF: 2106804.3/18

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

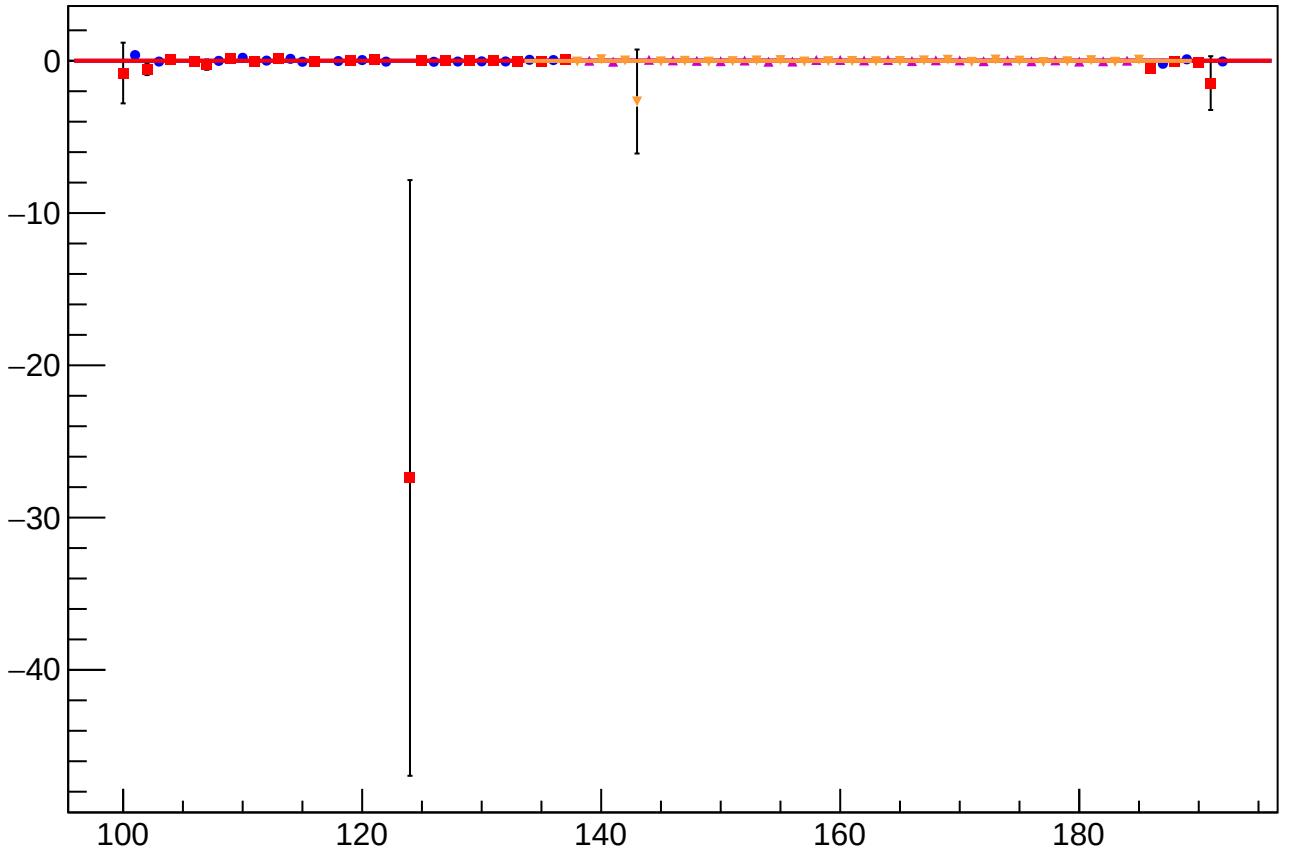
Right Out: 34.922+/-0.010 χ^2/NDF: 2995106.1/22

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

\+ sign 33.200+/-0.005 χ^2/NDF: 4325900.8/43

All: 33.131+/-0.004 χ^2/NDF: 7793930.4/89

\- sign 33.061+/-0.005 χ^2/NDF: 3467649.9/45



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

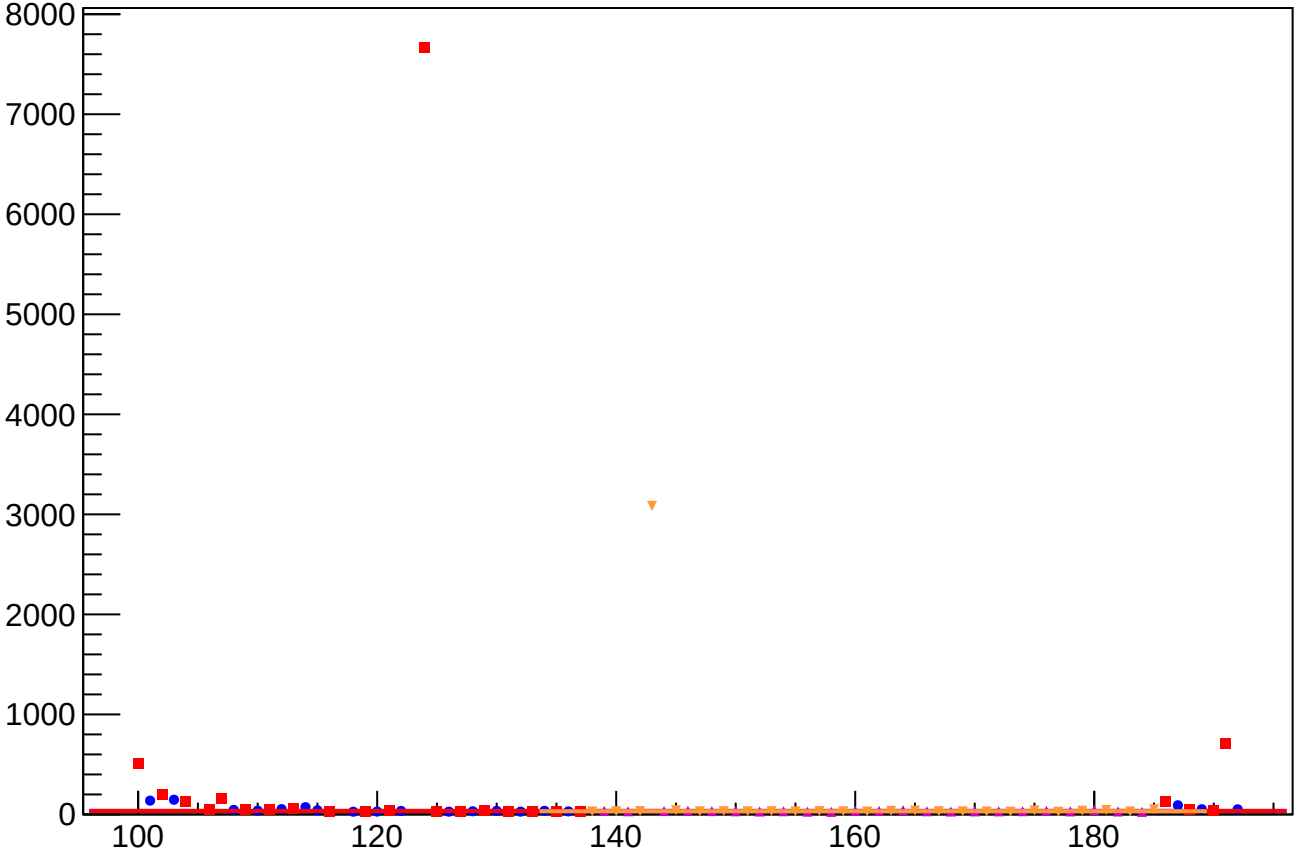
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 63.8/43

All: -0.002+/-0.005 χ^2/NDF: 109.2/89

\- sign 0.003+/-0.007 χ^2/NDF: 44.3/45

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

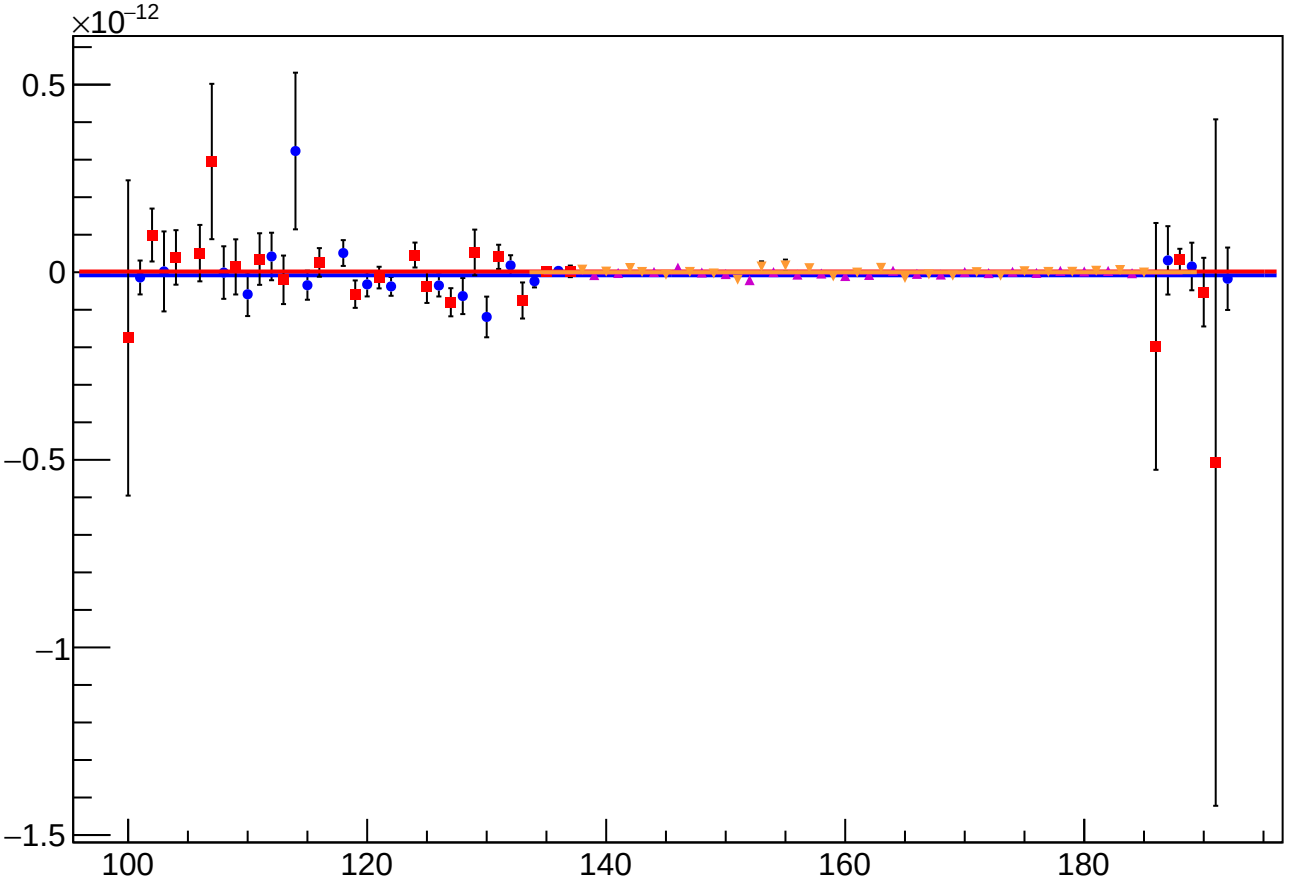
Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 33.200+/-0.005 χ^2/NDF: 4325900.8/43

All: 33.131+/-0.004 χ^2/NDF: 7793930.4/89

- sign 33.061+/-0.005 χ^2/NDF: 3467649.9/45

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

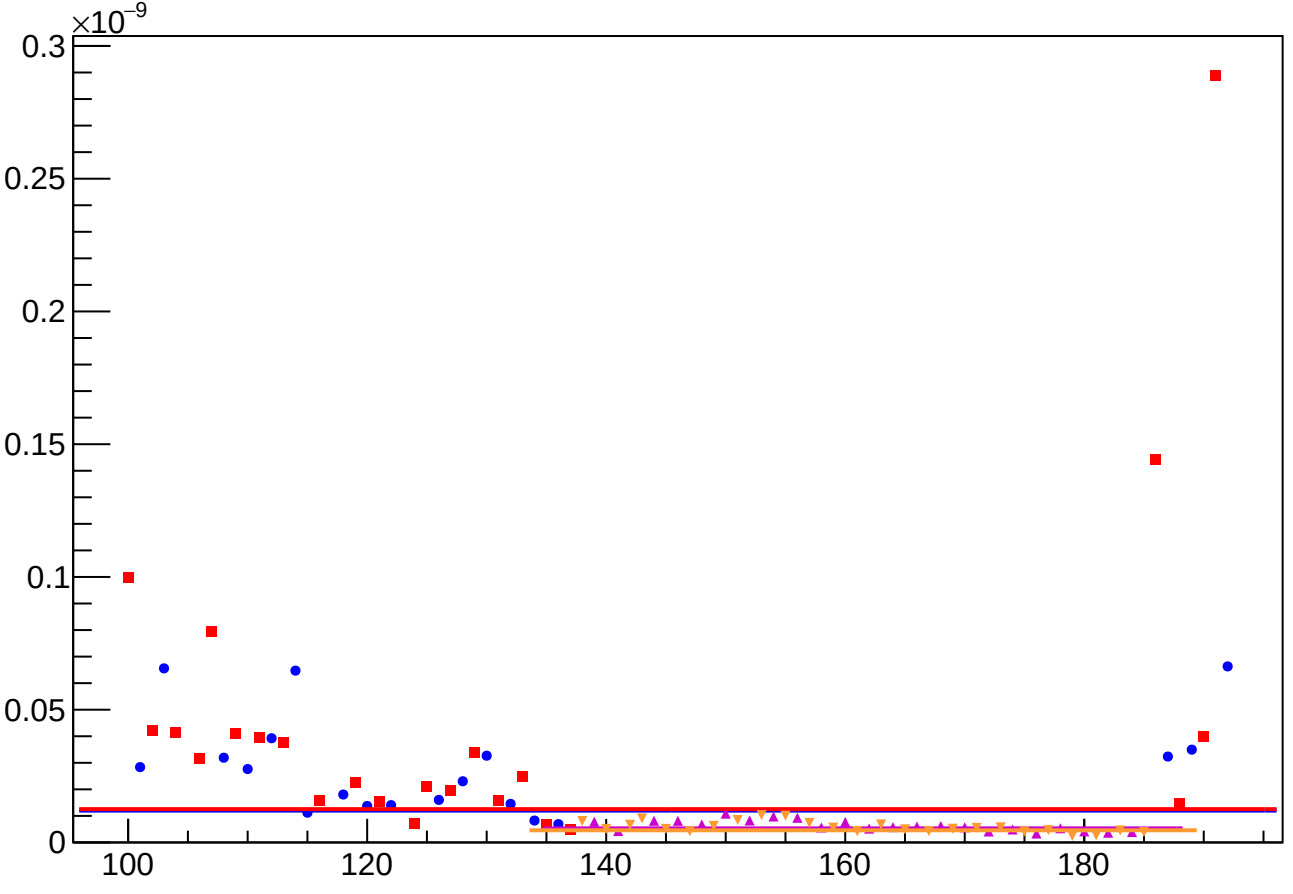
Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/22

Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.3/43

All: -0.000+/-0.000 χ^2/NDF: 74.6/89

- sign -0.000+/-0.000 χ^2/NDF: 32.3/45



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

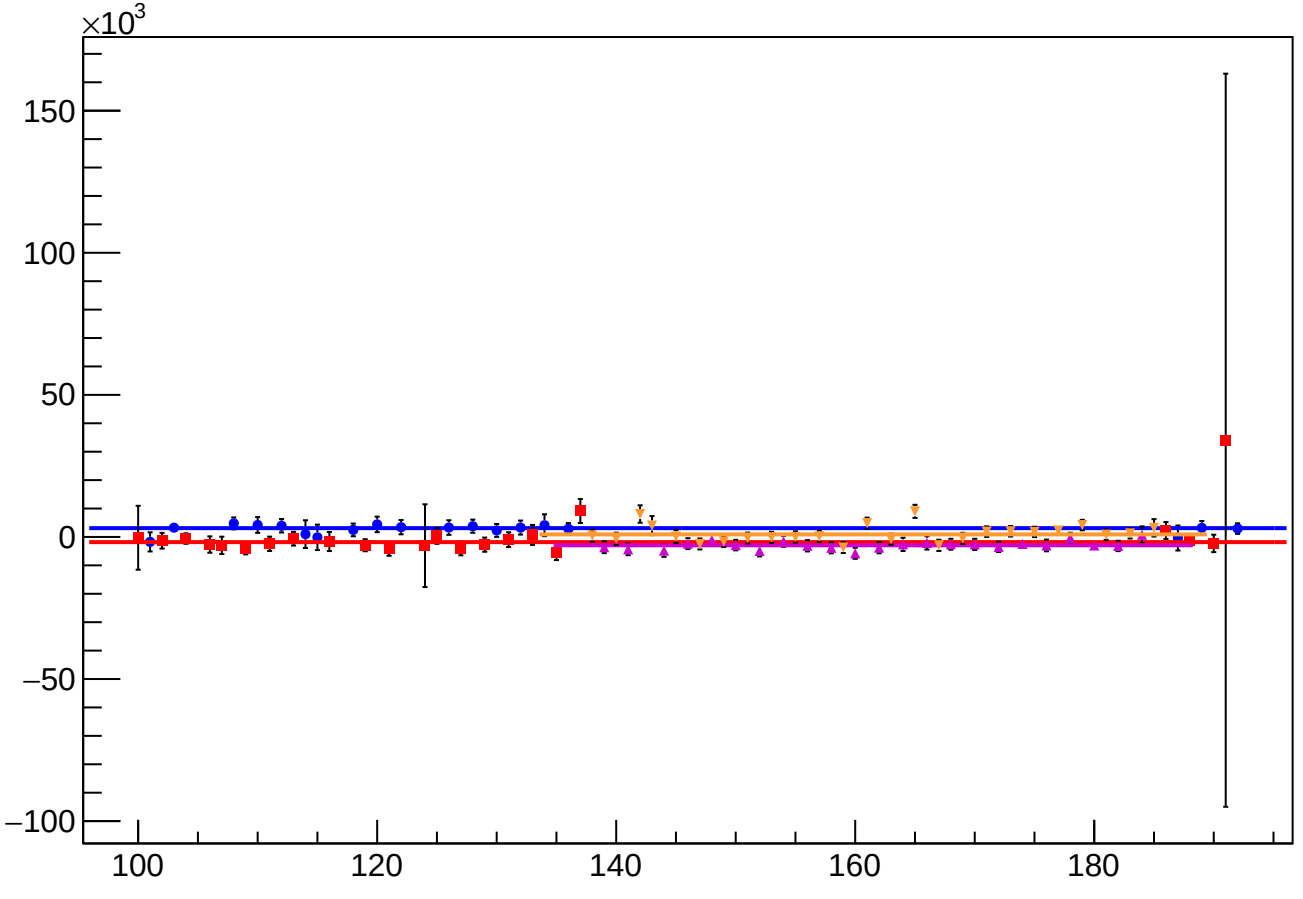
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9450381.1/43

All: 0.000+/-0.000 χ^2/NDF: 18380585.0/89

- sign 0.000+/-0.000 χ^2/NDF: 8705212.2/45

reg_asym_at2_avg_mean vs Slug



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

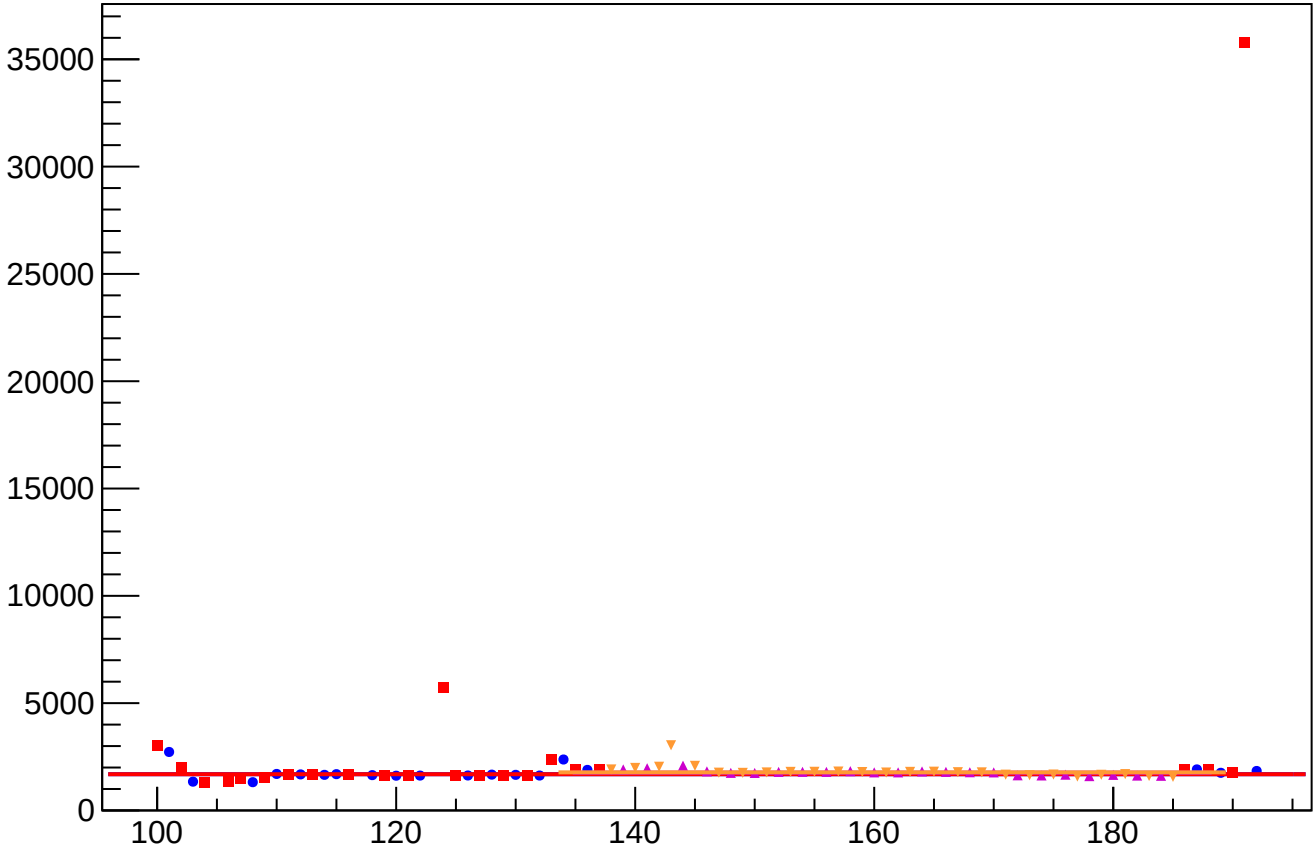
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1631.921+/-331.007 χ^2/NDF: 60.0/43

All: -444.042+/-235.158 χ^2/NDF: 168.8/89

- sign -2559.531+/-334.143 χ^2/NDF: 29.4/45

reg_asym_at2_avg_rms vs Slug



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

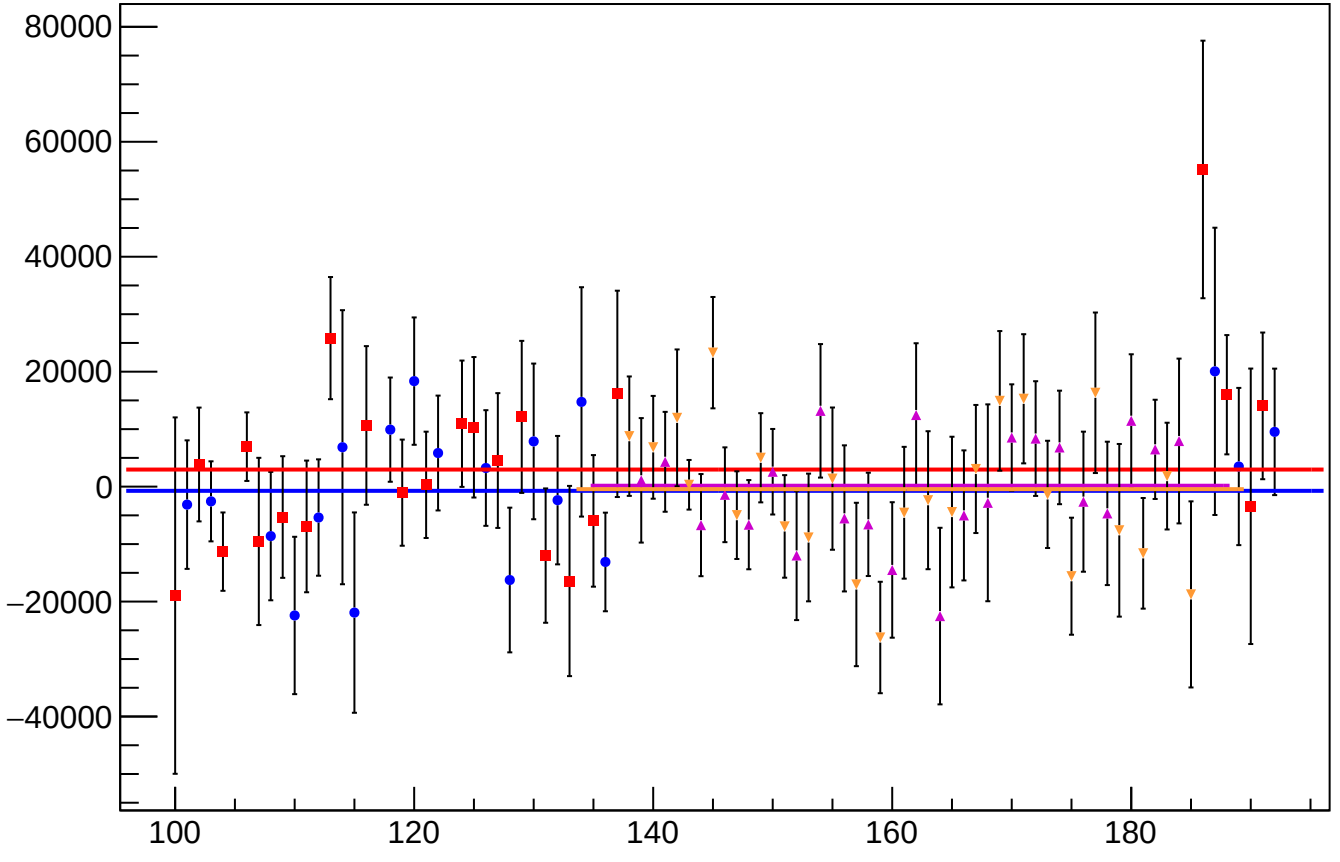
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1746.096+/-0.234 χ^2/NDF: 915510.3/43

All: 1741.166+/-0.166 χ^2/NDF: 1711572.1/89

- sign 1736.142+/-0.236 χ^2/NDF: 795166.1/45

asym_at2_avg_reg_correction_mean vs Slug



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

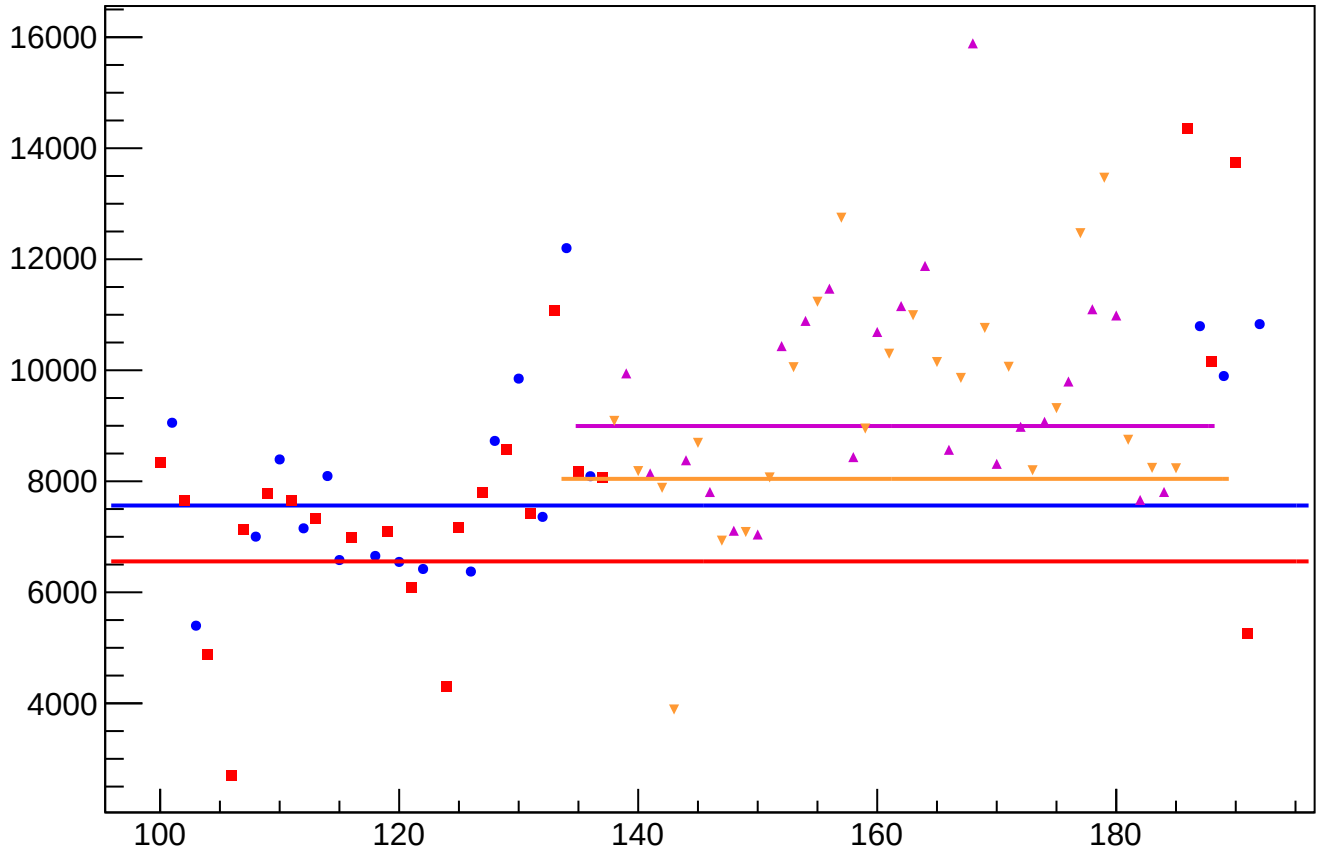
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -545.739+/-1547.191 χ^2/NDF: 45.6/43

All: 443.932+/-1101.700 χ^2/NDF: 87.1/89

- sign 1461.853+/-1569.118 χ^2/NDF: 40.6/45

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7563.593+/-1.838 χ^2/NDF: 801283.0/18

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 6556.807+/-1.629 χ^2/NDF: 2116109.4/22

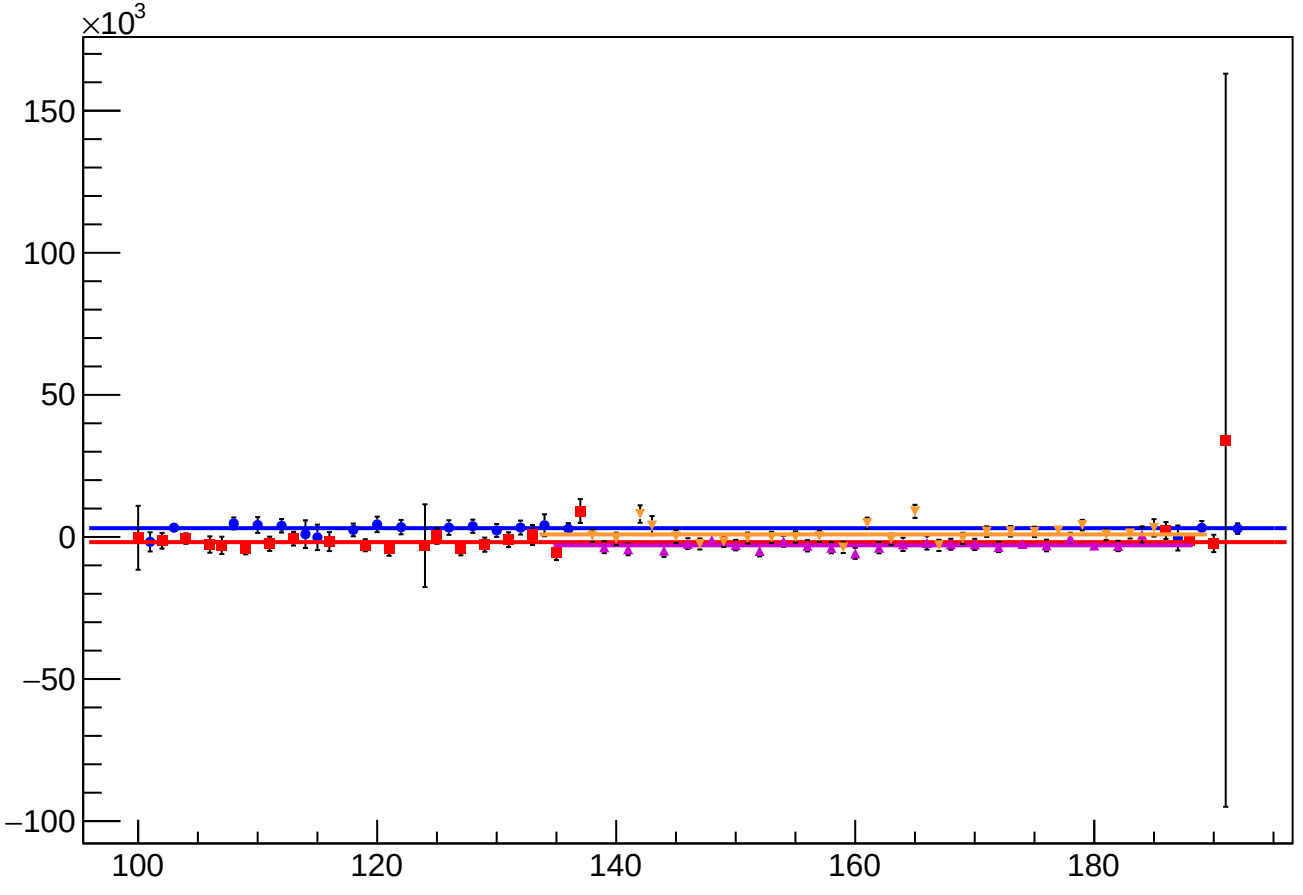
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 7873.630+/-1.094 χ^2/NDF: 4208210.0/43

All: 7868.745+/-0.779 χ^2/NDF: 8733139.4/89

- sign 7863.722+/-1.110 χ^2/NDF: 4524889.0/45

cor_asym_at2_avg_mean vs Slug



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

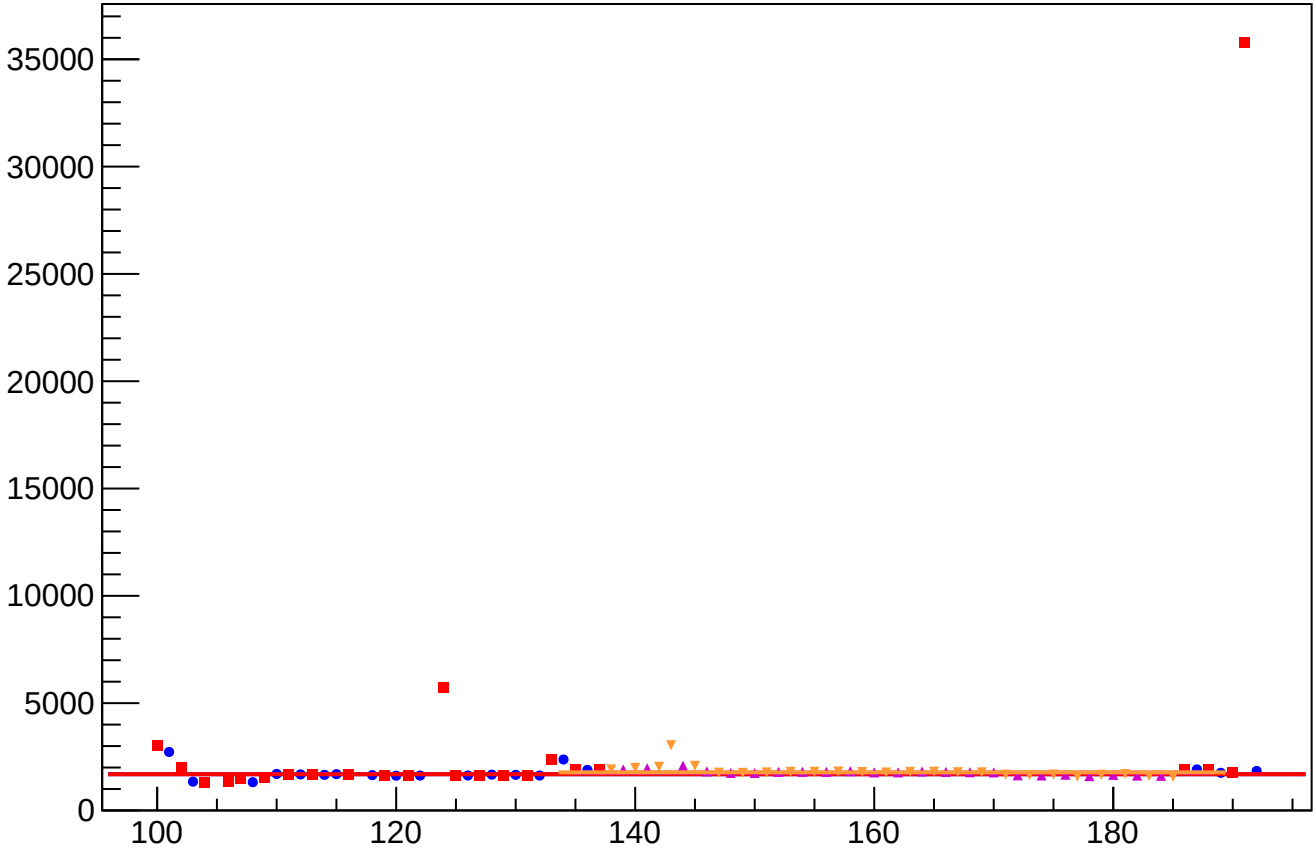
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1631.902+/-331.007 χ^2/NDF: 60.0/43

All: -443.987+/-235.158 χ^2/NDF: 168.8/89

- sign -2559.400+/-334.143 χ^2/NDF: 29.4/45

cor_asym_at2_avg_rms vs Slug



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

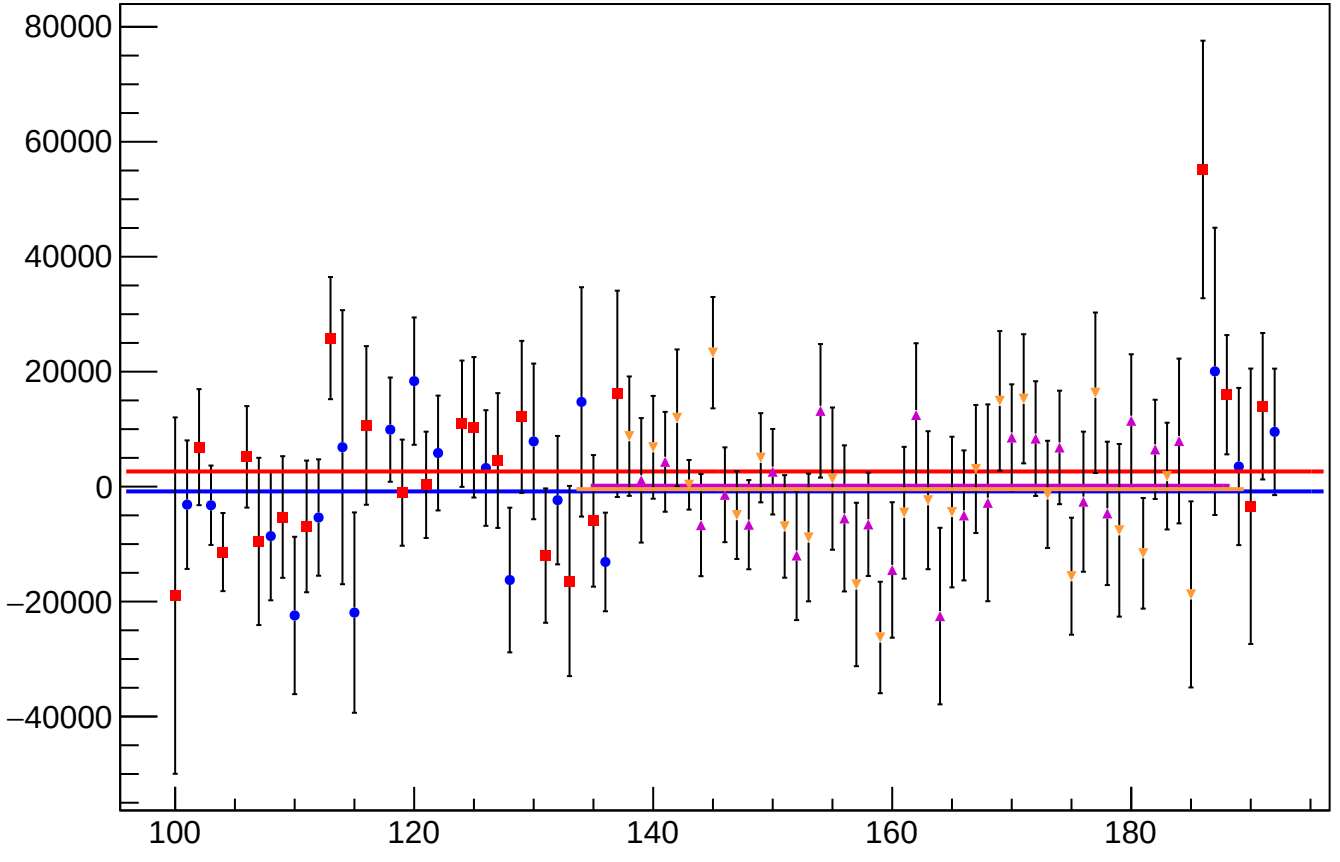
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1746.096+/-0.234 χ^2/NDF: 915510.7/43

All: 1741.166+/-0.166 χ^2/NDF: 1711572.7/89

- sign 1736.142+/-0.236 χ^2/NDF: 795166.3/45

asym_at2_avg_cor_correction_mean vs Slug



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

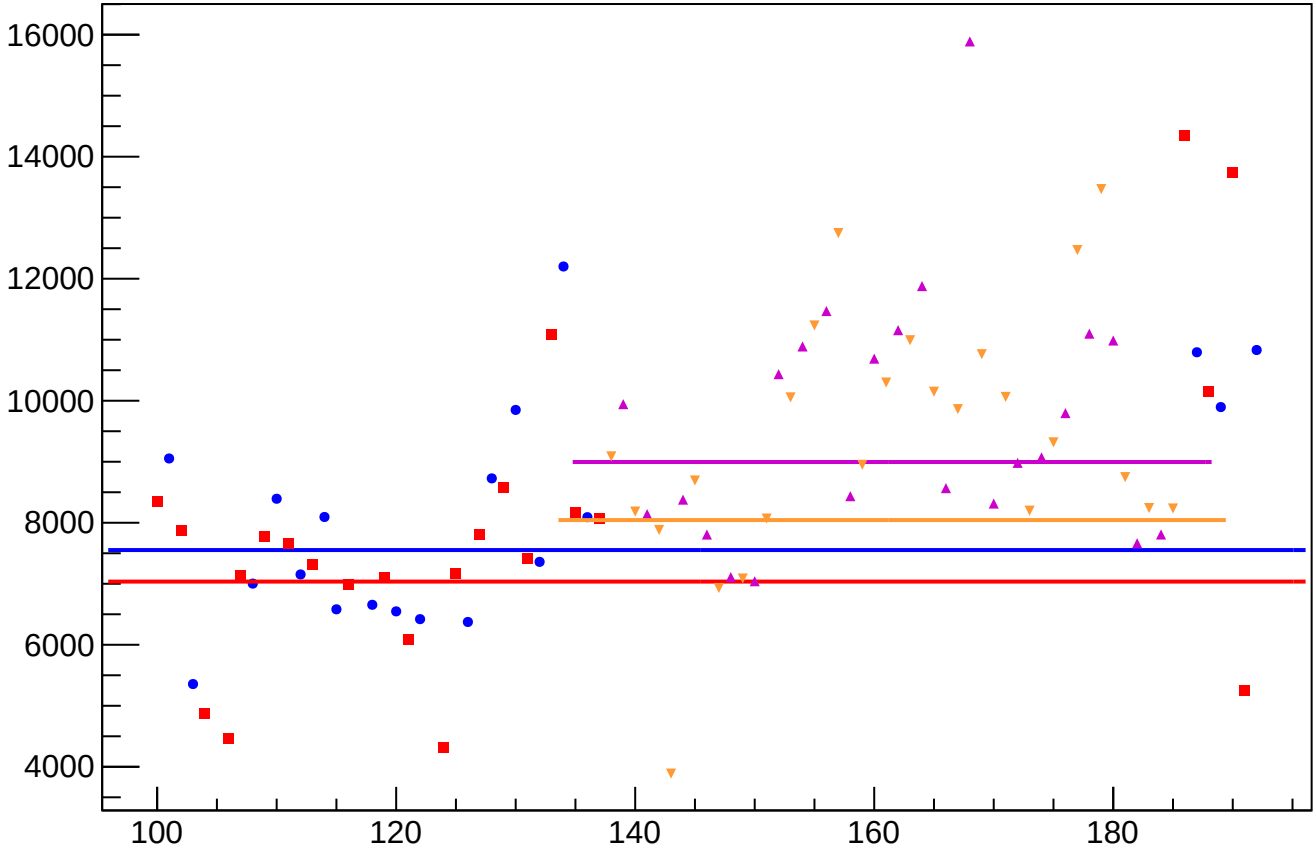
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -581.577+/-1546.532 χ^2/NDF: 45.7/43

All: 304.788+/-1111.988 χ^2/NDF: 86.6/89

- sign 1253.511+/-1600.009 χ^2/NDF: 40.2/45

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7552.412+/-1.835 χ^2/NDF: 812296.3/18

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7035.737+/-1.700 χ^2/NDF: 1324158.6/22

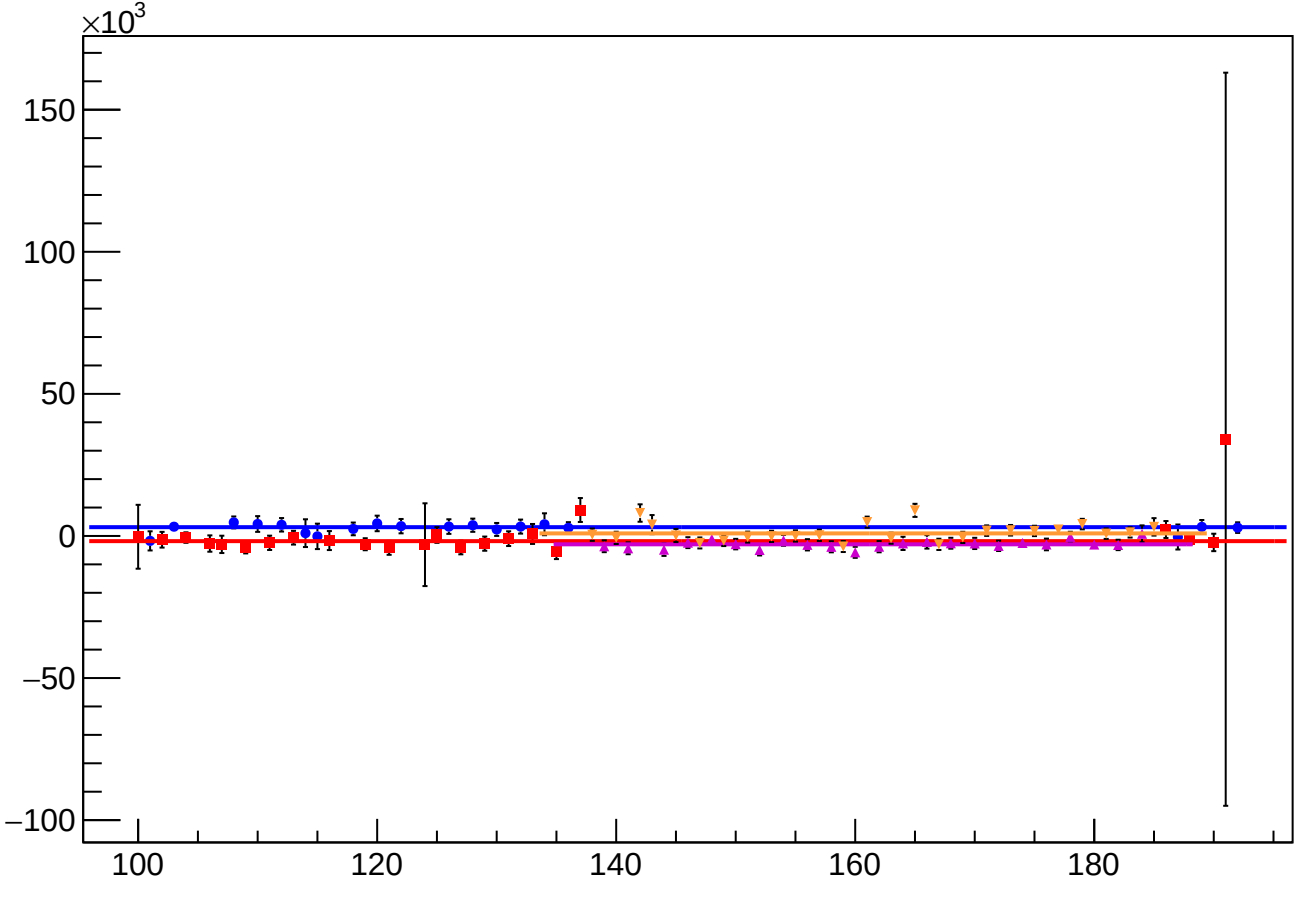
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7869.381+/-1.094 χ^2/NDF: 4221444.1/43

All: 7994.181+/-0.786 χ^2/NDF: 7520104.1/89

- sign 8127.760+/-1.131 χ^2/NDF: 3271696.1/45

eigen_cor_asym_at2_avg_mean vs Slug



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

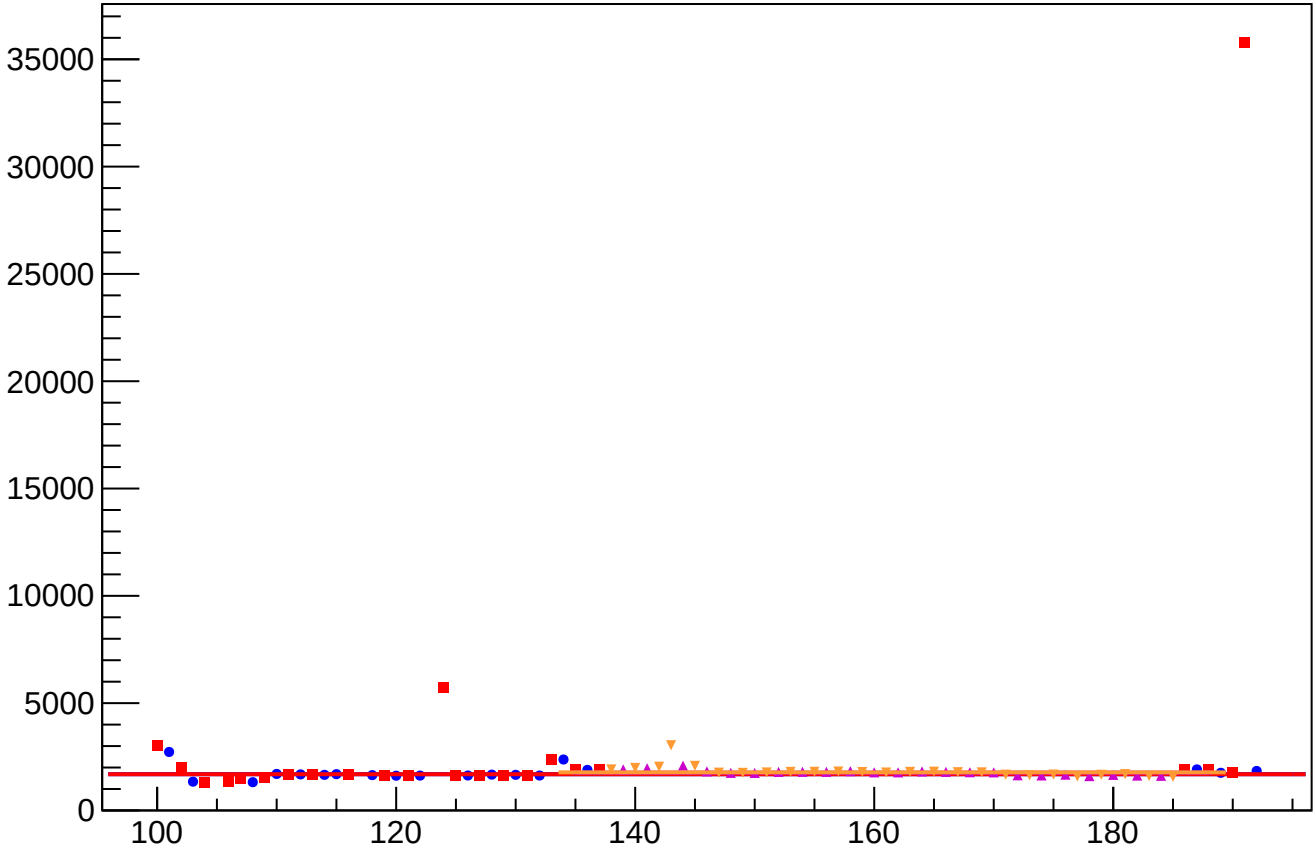
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1631.902+/-331.007 χ^2/NDF: 60.0/43

All: -443.987+/-235.158 χ^2/NDF: 168.8/89

- sign -2559.400+/-334.143 χ^2/NDF: 29.4/45

eigen_cor_asym_at2_avg_rms vs Slug



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

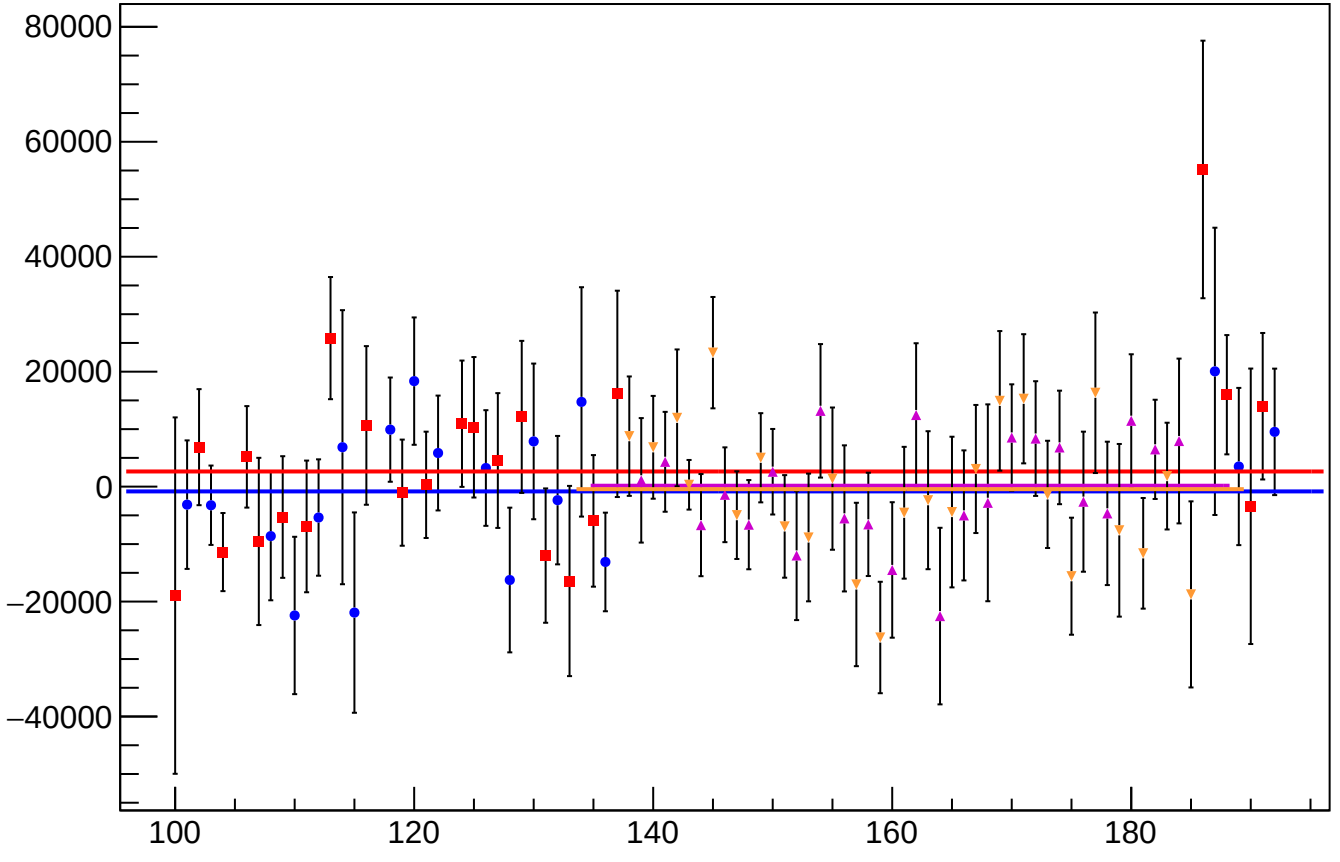
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1746.096+/-0.234 χ^2/NDF: 915510.7/43

All: 1741.166+/-0.166 χ^2/NDF: 1711572.7/89

- sign 1736.142+/-0.236 χ^2/NDF: 795166.3/45

asym_at2_avg_eigen_cor_correction_mean vs Slug



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

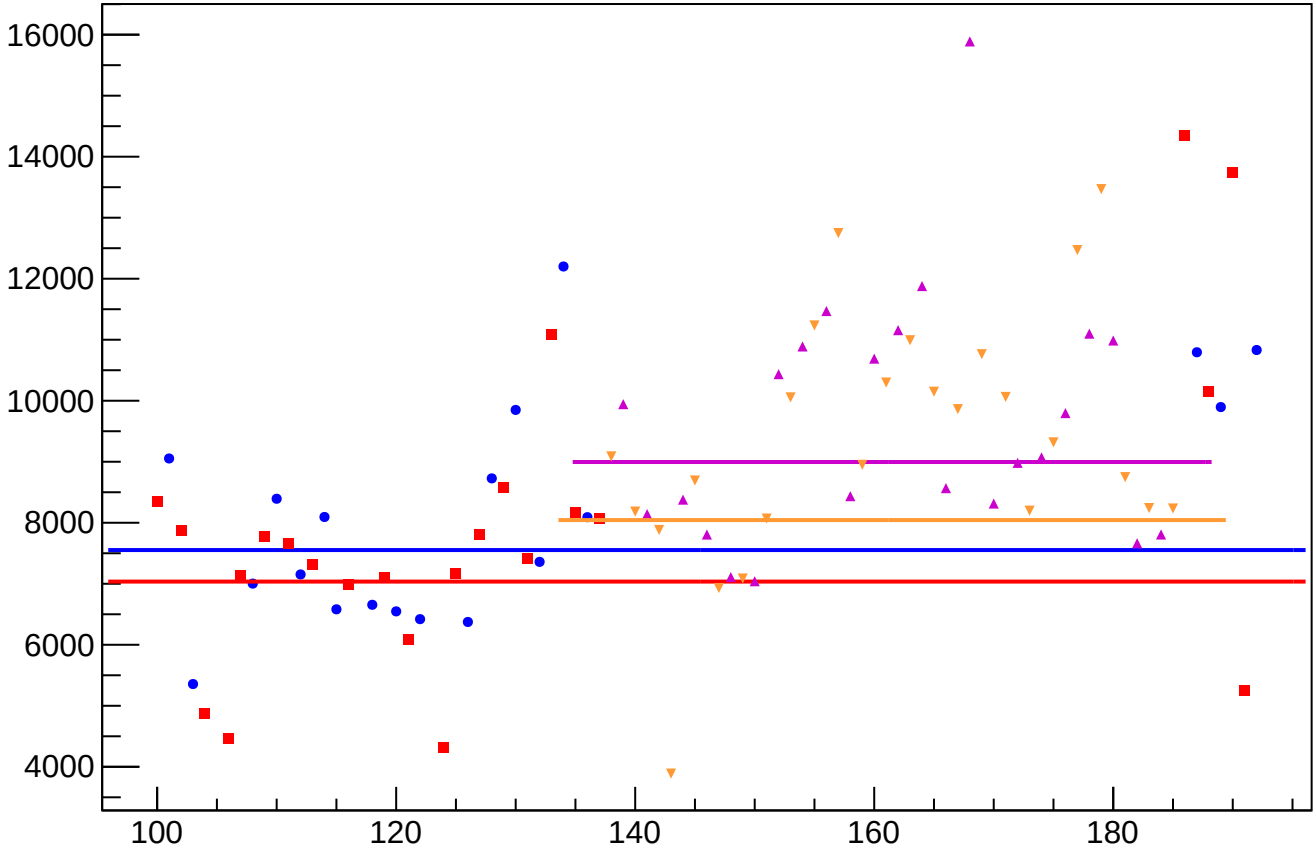
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -581.577+/-1546.532 χ^2/NDF: 45.7/43

All: 304.788+/-1111.988 χ^2/NDF: 86.6/89

- sign 1253.511+/-1600.009 χ^2/NDF: 40.2/45

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7552.412+/-1.835 χ^2/NDF: 812296.3/18

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7035.737+/-1.700 χ^2/NDF: 1324158.6/22

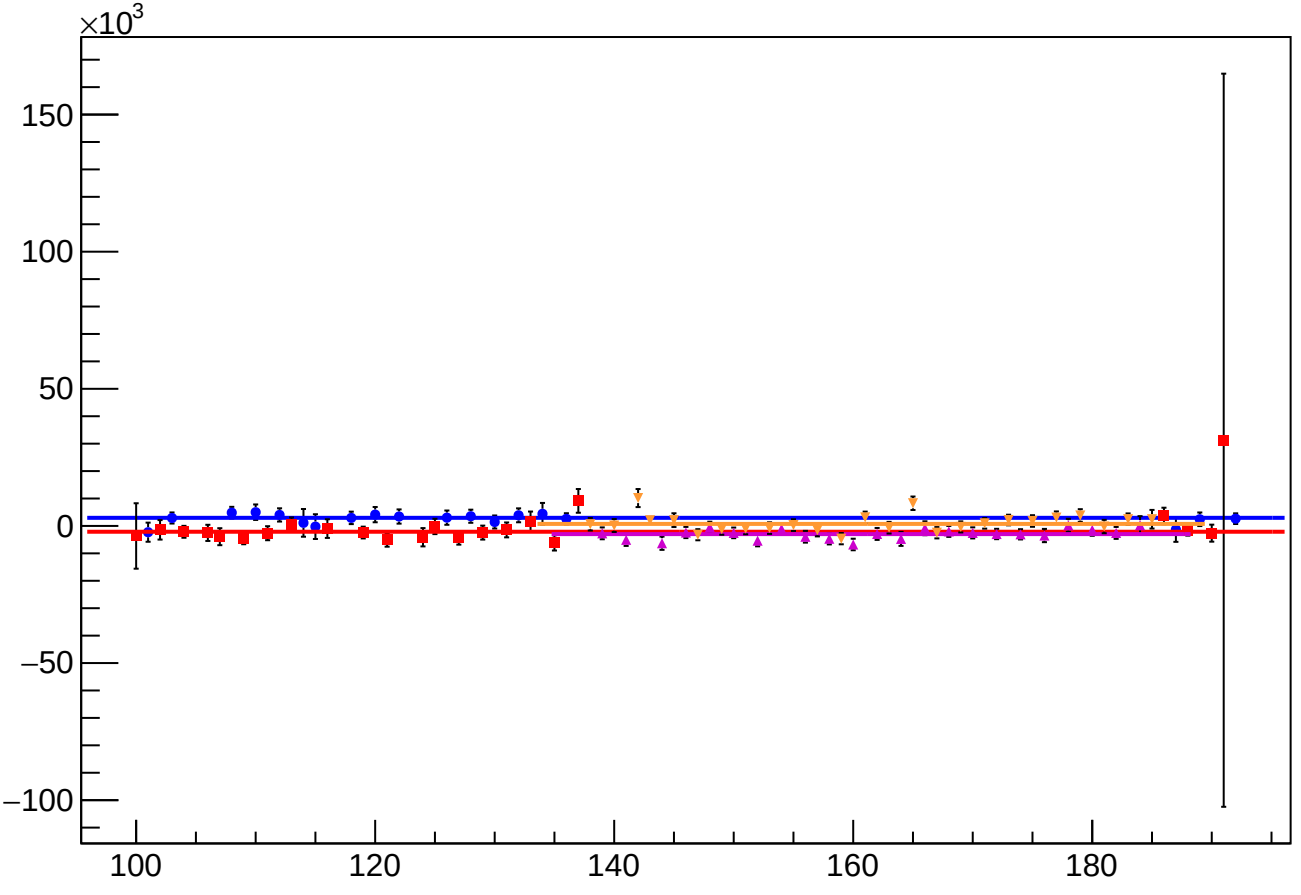
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7869.381+/-1.094 χ^2/NDF: 4221444.1/43

All: 7994.181+/-0.786 χ^2/NDF: 7520104.1/89

- sign 8127.760+/-1.131 χ^2/NDF: 3271696.1/45

dit_asym_at2_avg_mean vs Slug



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

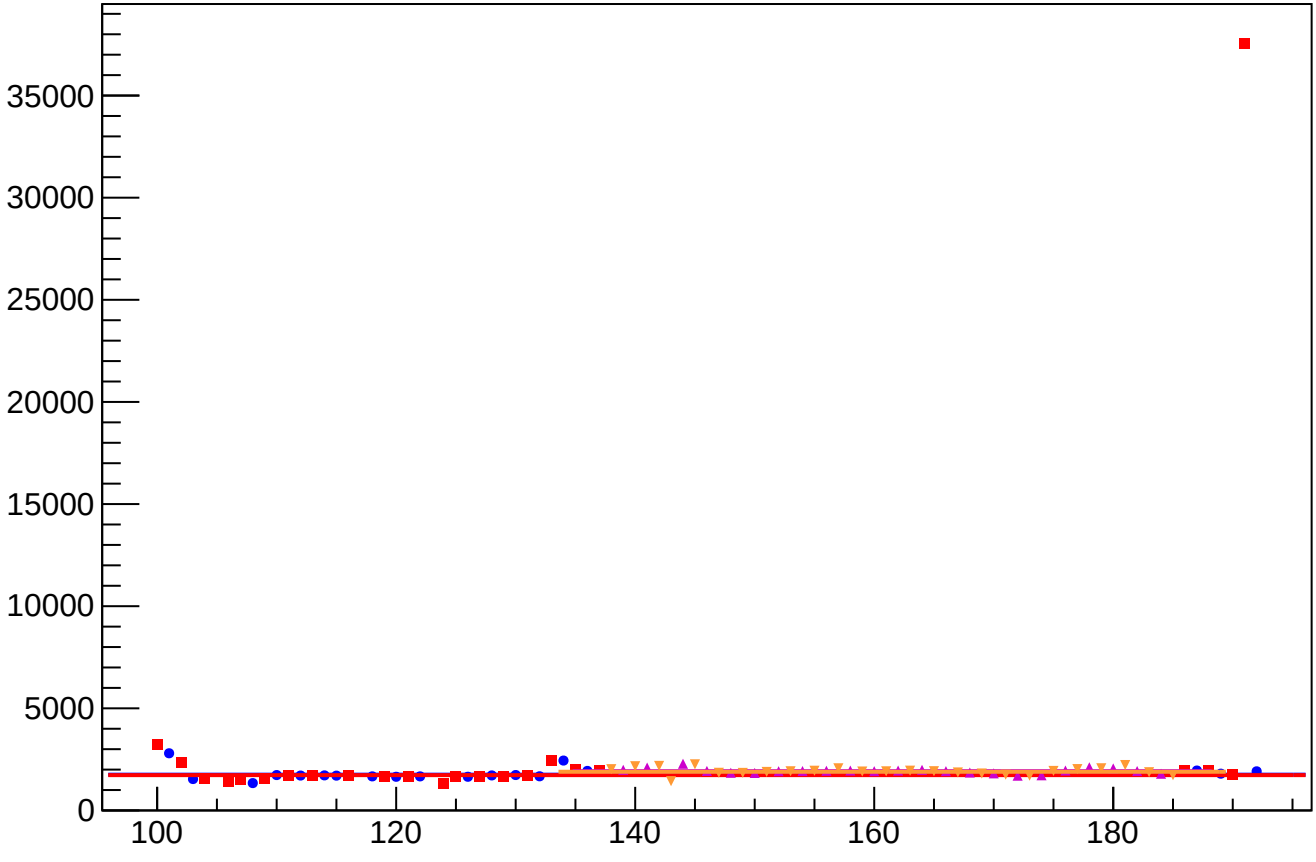
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1508.735+/-349.795 χ^2/NDF: 57.1/43

All: -532.745+/-249.835 χ^2/NDF: 163.6/89

- sign -2658.637+/-356.953 χ^2/NDF: 37.0/45

dit_asym_at2_avg_rms vs Slug



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

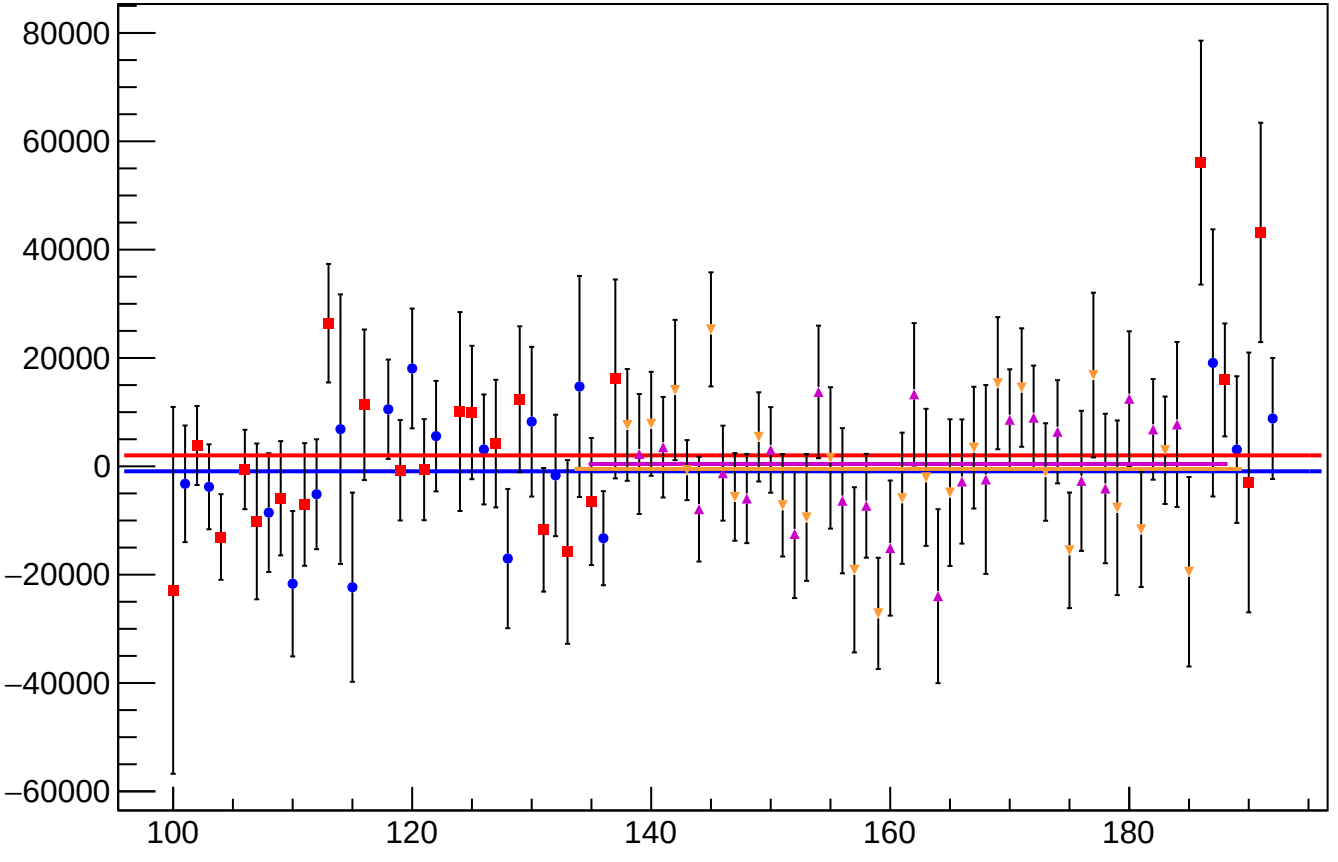
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1845.121+/-0.247 χ^2/NDF: 831898.5/43

All: 1848.040+/-0.177 χ^2/NDF: 1597361.9/89

- sign 1851.079+/-0.252 χ^2/NDF: 765179.2/45

asym_at2_avg_dit_correction_mean vs Slug



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

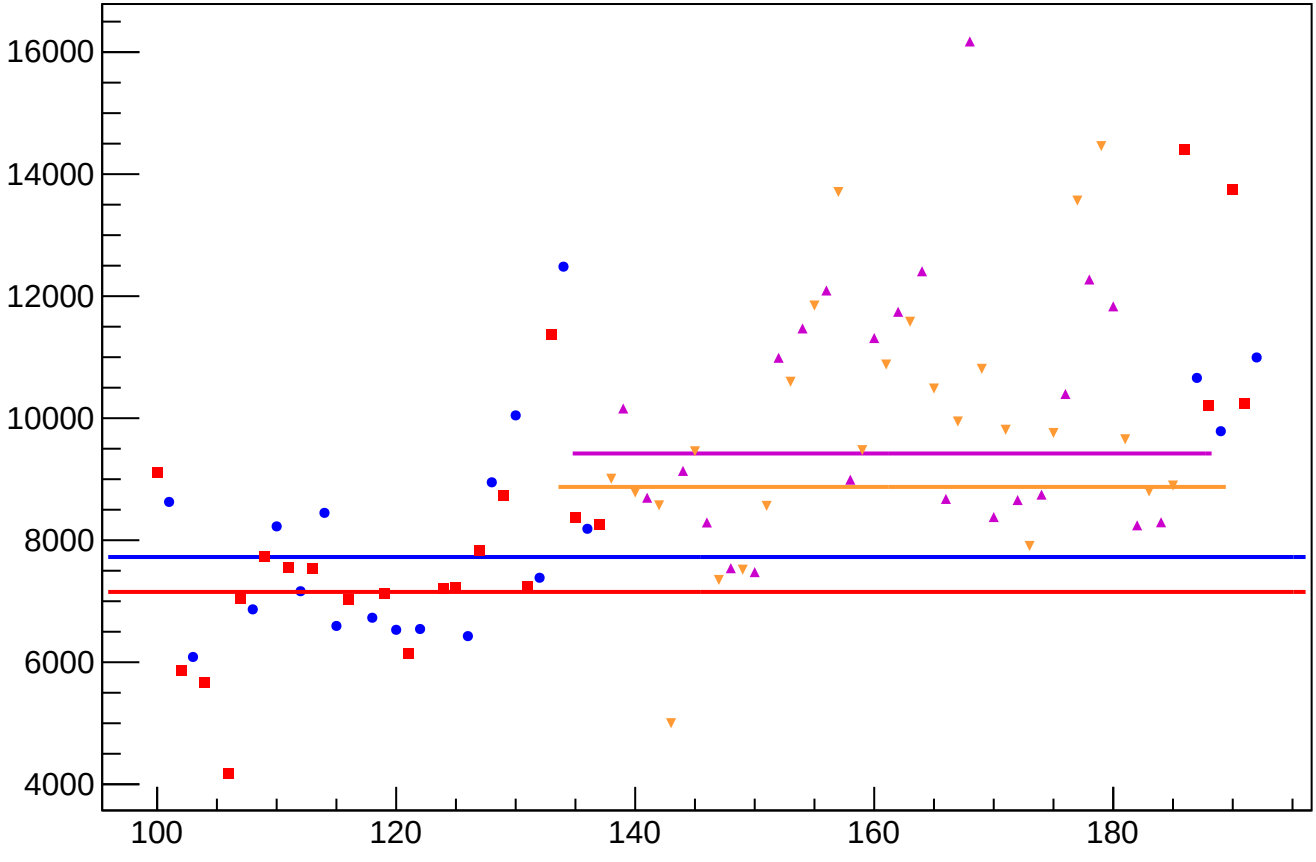
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -647.972+/-1639.757 χ^2/NDF: 44.9/43

All: 259.385+/-1160.963 χ^2/NDF: 87.8/89

- sign 1171.389+/-1643.950 χ^2/NDF: 42.3/45

asym_at2_avg_dit_correction_rms vs Slug



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

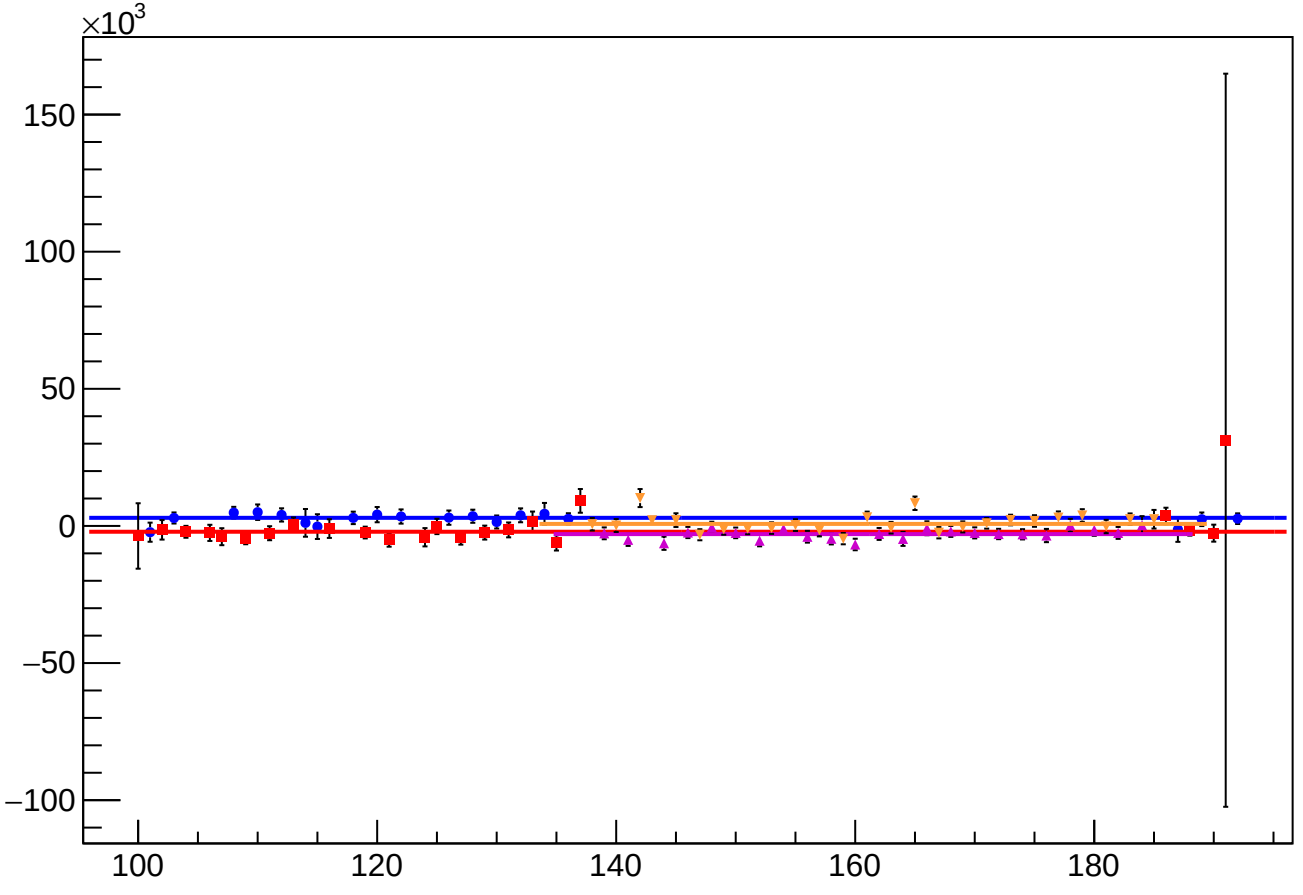
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8432.393+/-1.159 χ^2/NDF: 3111424.3/43

All: 8400.841+/-0.821 χ^2/NDF: 6535440.0/89

- sign 8369.128+/-1.162 χ^2/NDF: 3422530.9/45

eigen_dit_asym_at2_avg_mean vs Slug



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

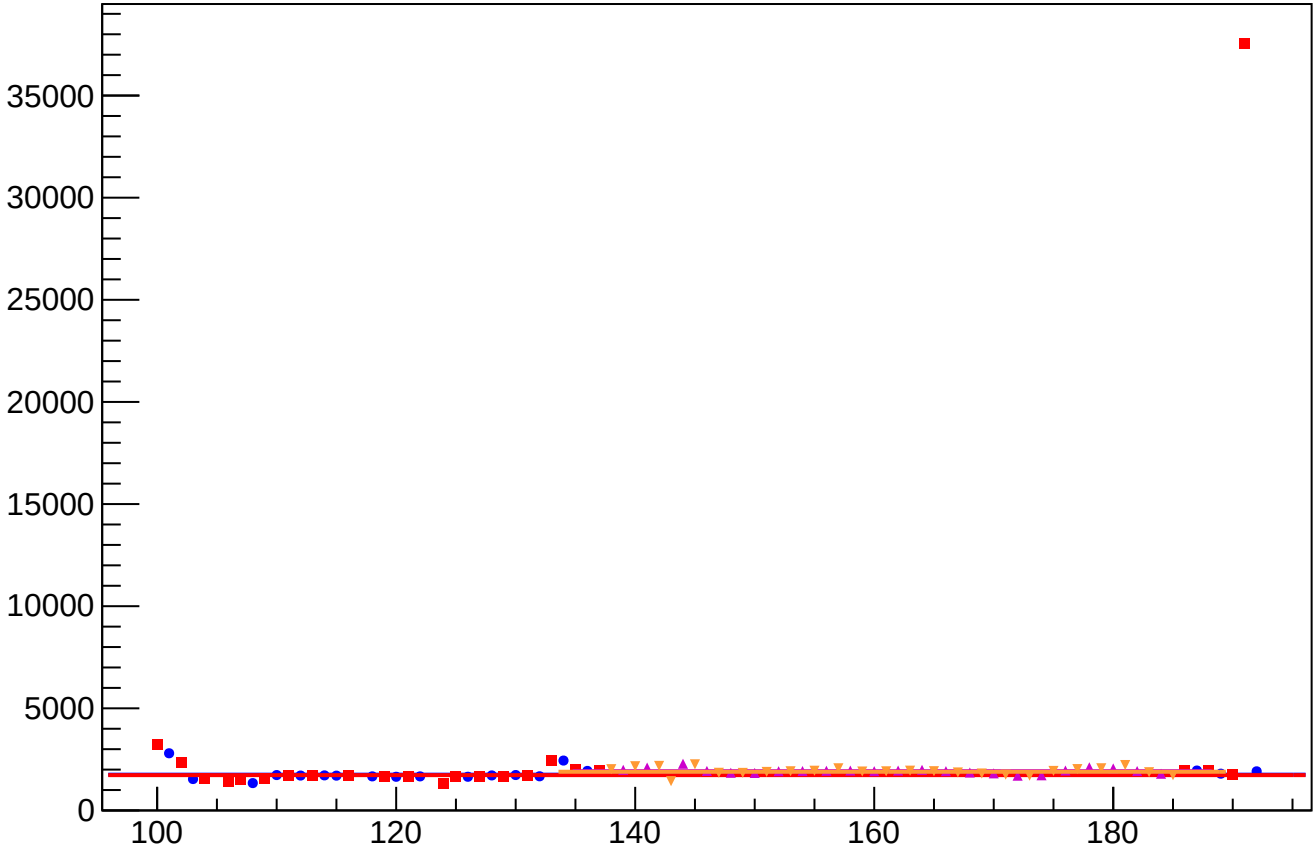
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1508.730+/-349.795 χ^2/NDF: 57.1/43

All: -532.748+/-249.835 χ^2/NDF: 163.6/89

- sign -2658.639+/-356.954 χ^2/NDF: 37.0/45

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1751.862+/-0.420 χ^2/NDF: 387759.0/18

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

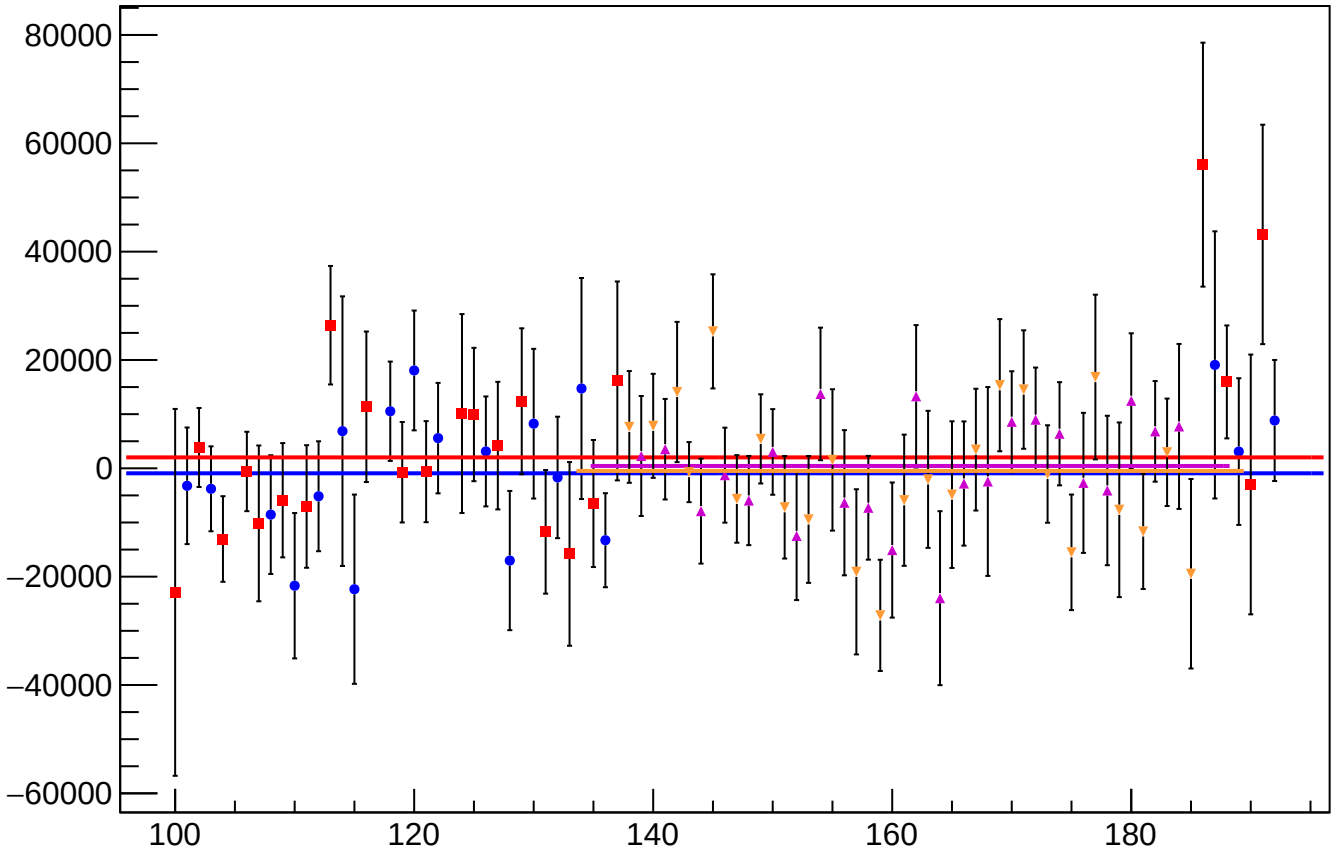
Right Out: 1729.529+/-0.414 χ^2/NDF: 476876.9/22

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1845.123+/-0.247 χ^2/NDF: 831909.8/43

All: 1848.042+/-0.177 χ^2/NDF: 1597386.0/89

- sign 1851.080+/-0.252 χ^2/NDF: 765192.0/45



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

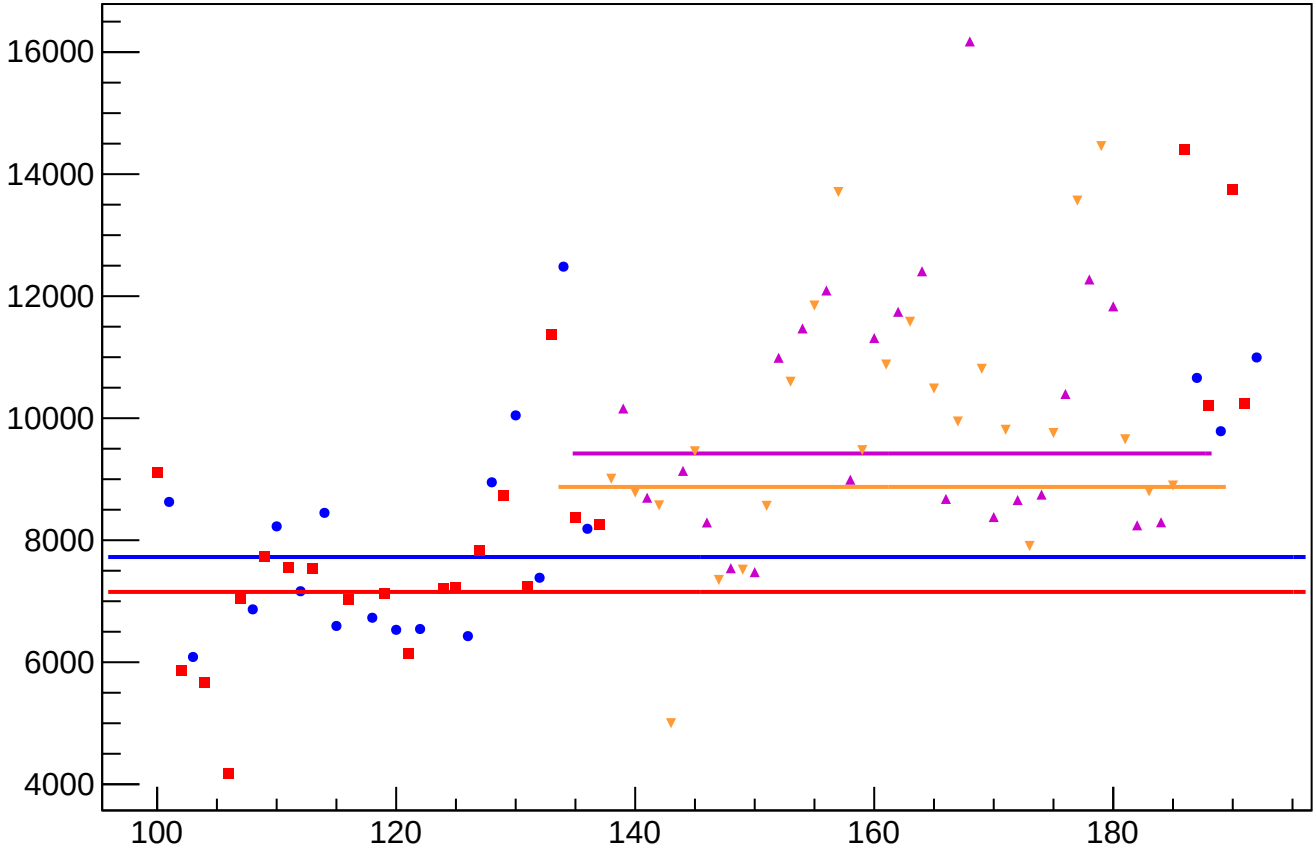
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -647.971+/-1639.758 χ^2/NDF: 44.9/43

All: 259.385+/-1160.963 χ^2/NDF: 87.8/89

- sign 1171.386+/-1643.950 χ^2/NDF: 42.3/45

asym_at2_avg_eigen_dit_correction_rms vs Slug



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

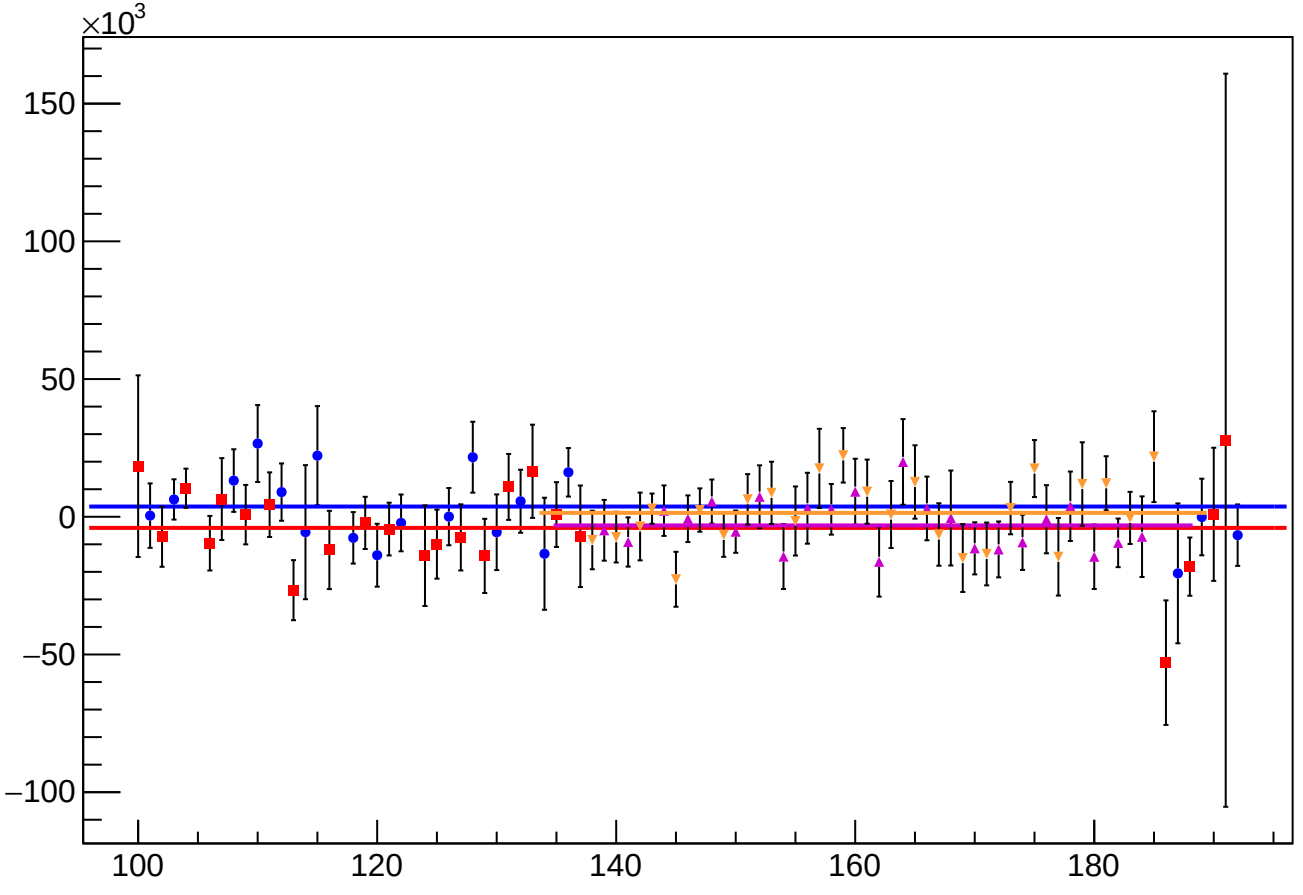
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8432.394+/-1.159 χ^2/NDF: 3111445.6/43

All: 8400.840+/-0.821 χ^2/NDF: 6535492.2/89

- sign 8369.125+/-1.162 χ^2/NDF: 3422561.7/45

asym_at2_avg_mean vs Slug



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

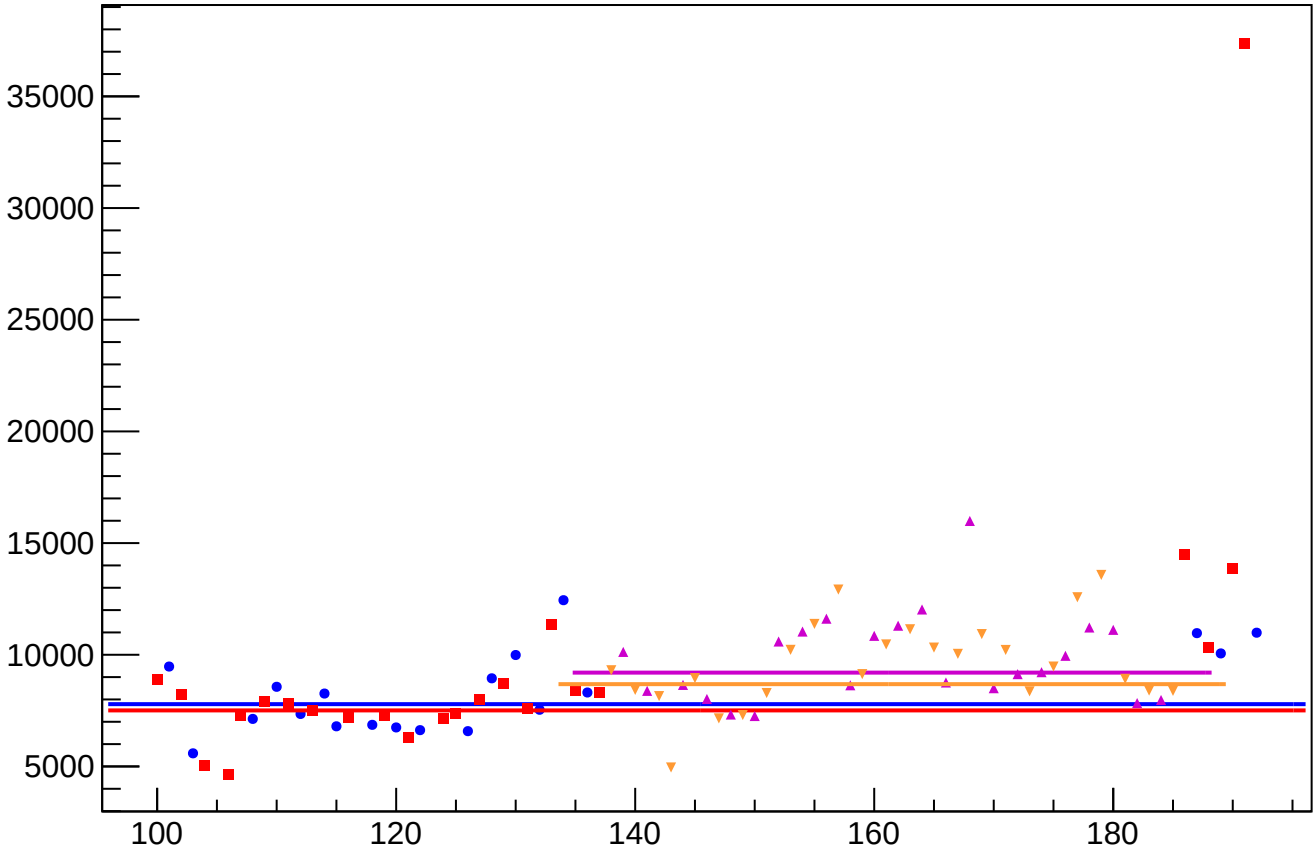
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2255.144+/-1622.159 χ^2/NDF: 44.3/43

All: -546.623+/-1163.313 χ^2/NDF: 85.2/89

- sign -3513.225+/-1669.195 χ^2/NDF: 34.8/45

asym_at2_avg_rms vs Slug



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

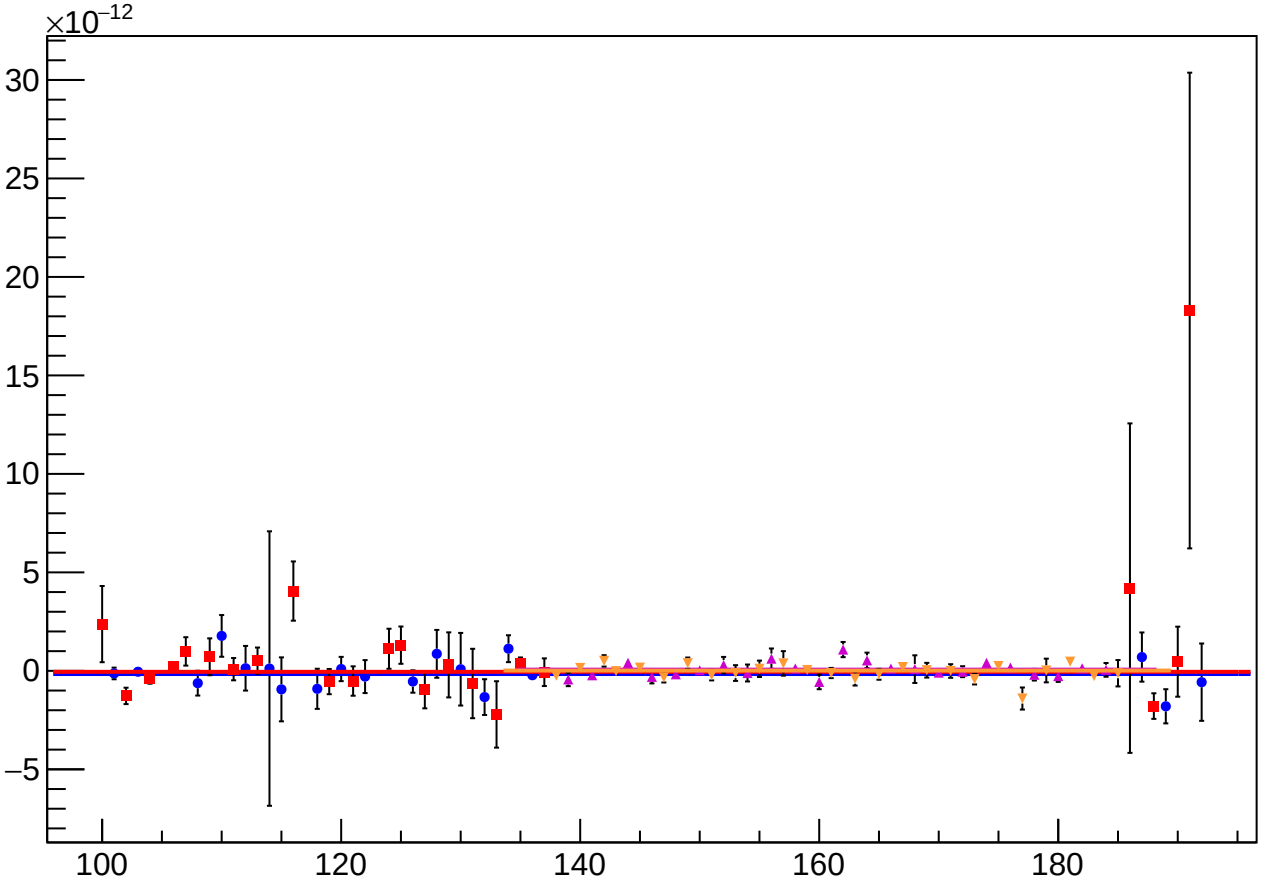
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8355.330+/-1.147 χ^2/NDF: 2957560.4/43

All: 8421.806+/-0.823 χ^2/NDF: 5769947.5/89

- sign 8492.189+/-1.180 χ^2/NDF: 2805472.2/45

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



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

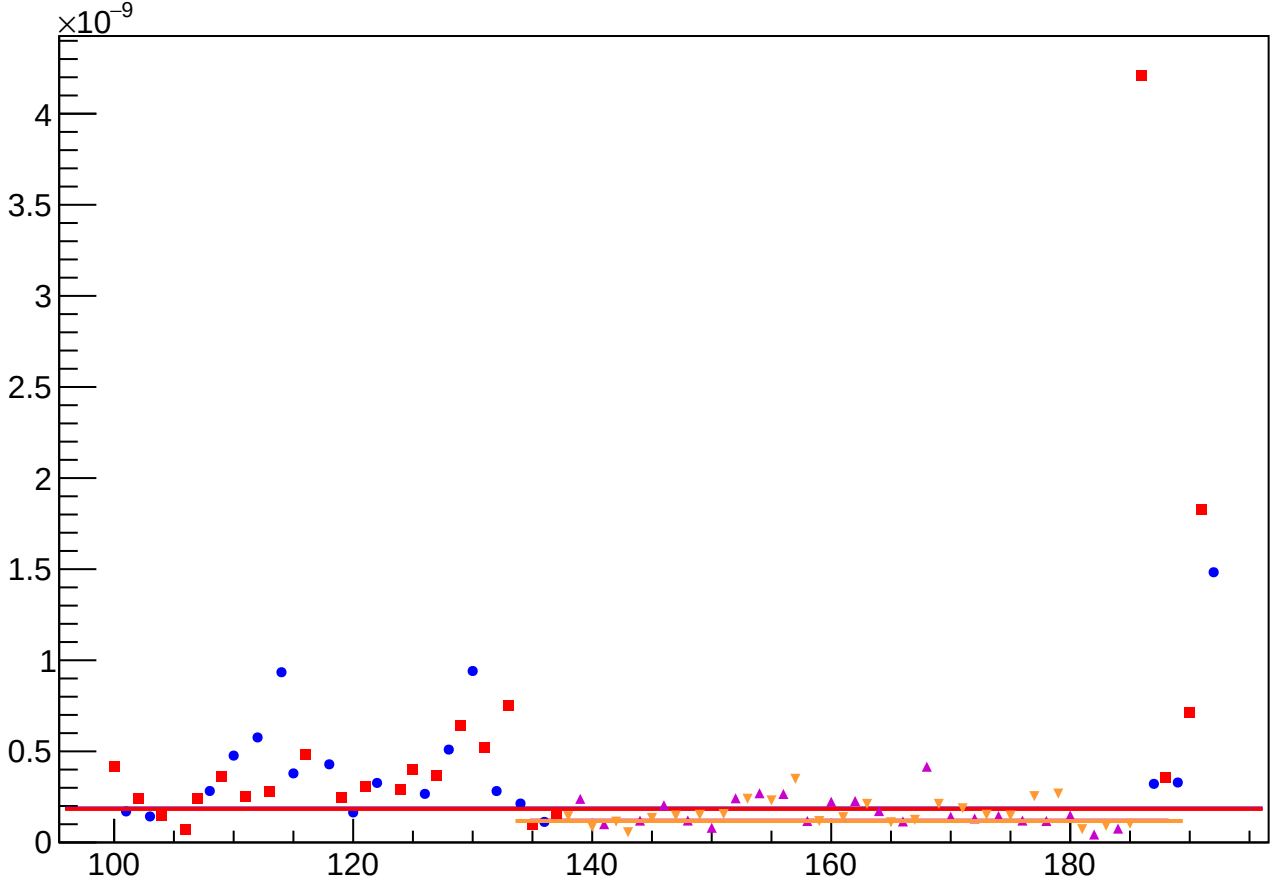
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.4/43

All: 0.000+/-0.000 χ^2/NDF: 118.4/89

- sign 0.000+/-0.000 χ^2/NDF: 71.3/45

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



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

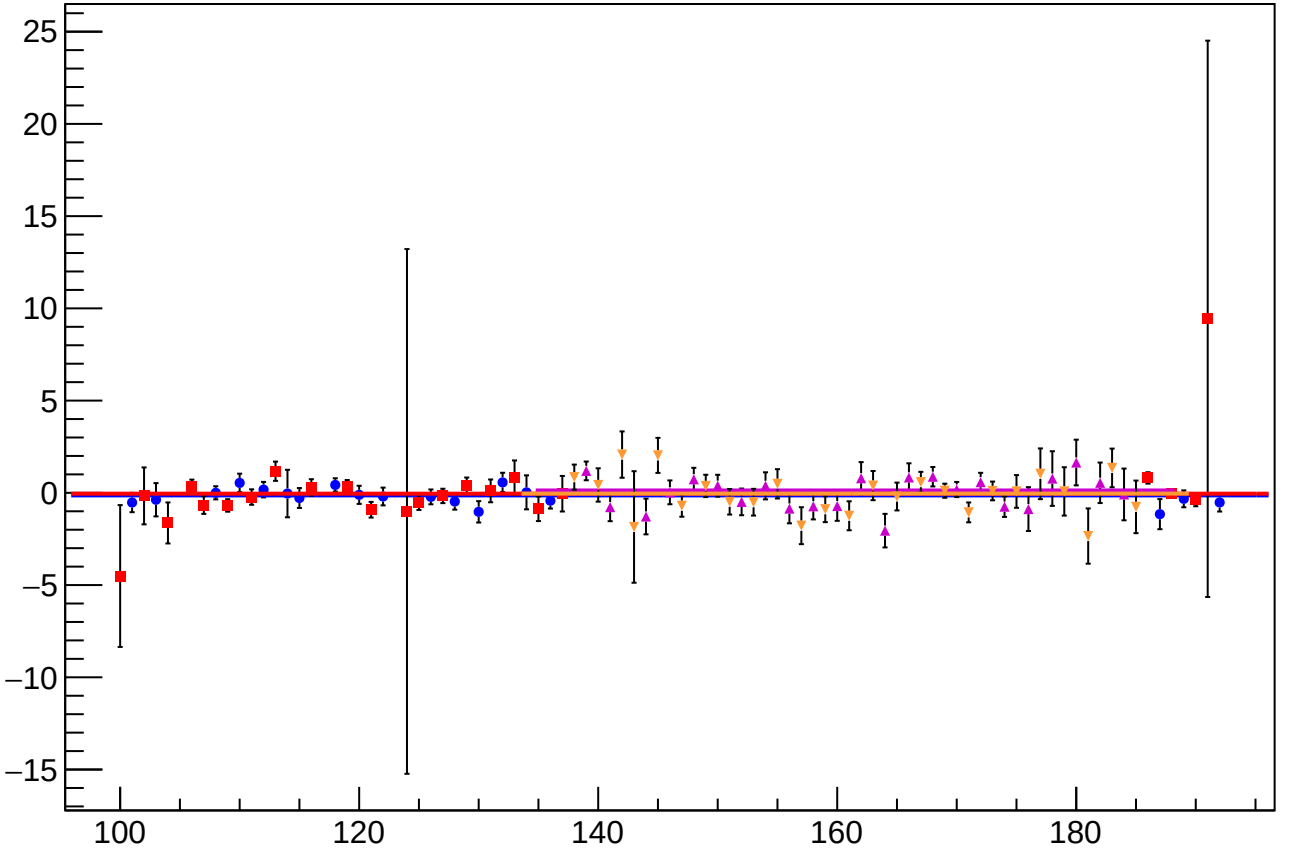
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5406253.8/43

All: 0.000+/-0.000 χ^2/NDF: 11021372.0/89

- sign 0.000+/-0.000 χ^2/NDF: 5612955.6/45

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



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

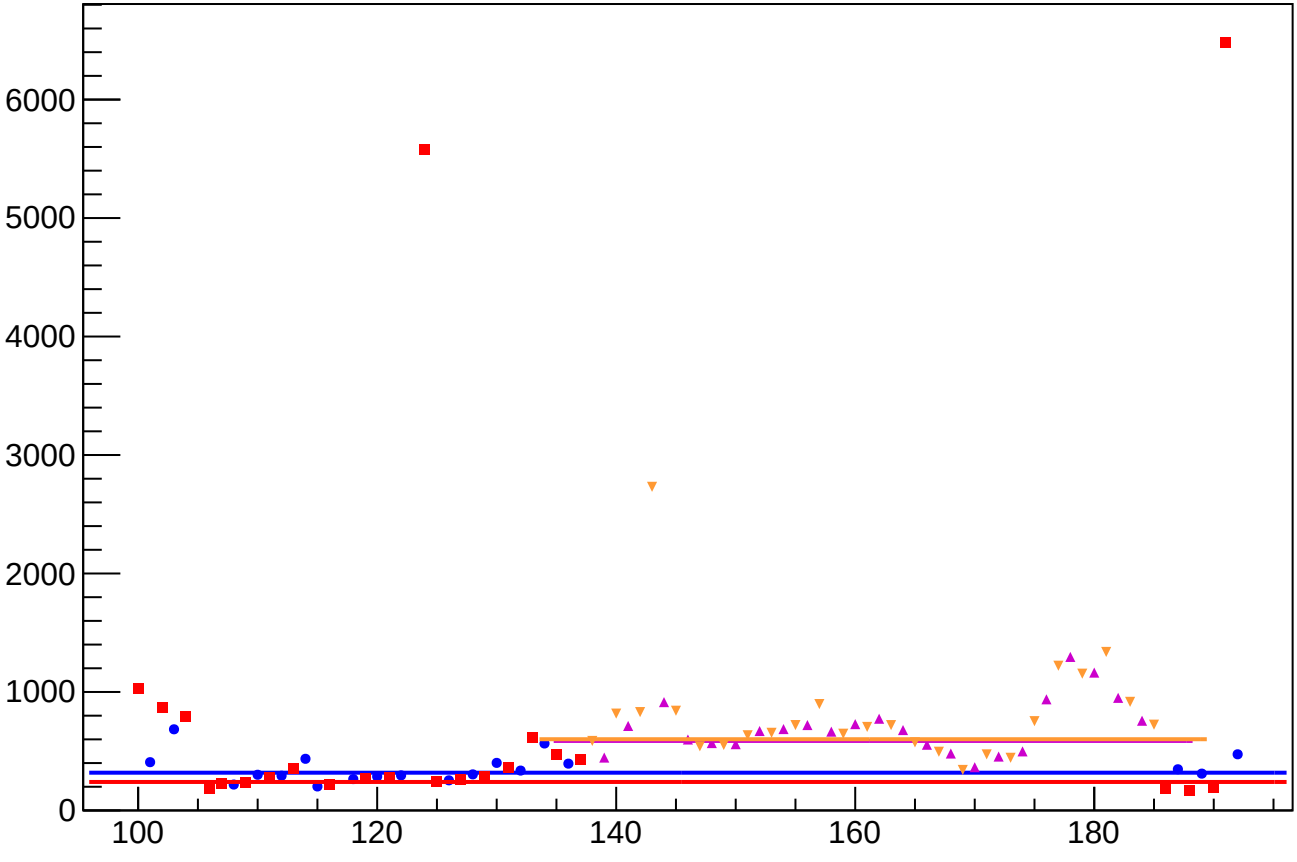
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.103+/-0.090 χ^2/NDF: 43.7/43

All: -0.042+/-0.058 χ^2/NDF: 109.4/89

- sign 0.003+/-0.077 χ^2/NDF: 64.8/45

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



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

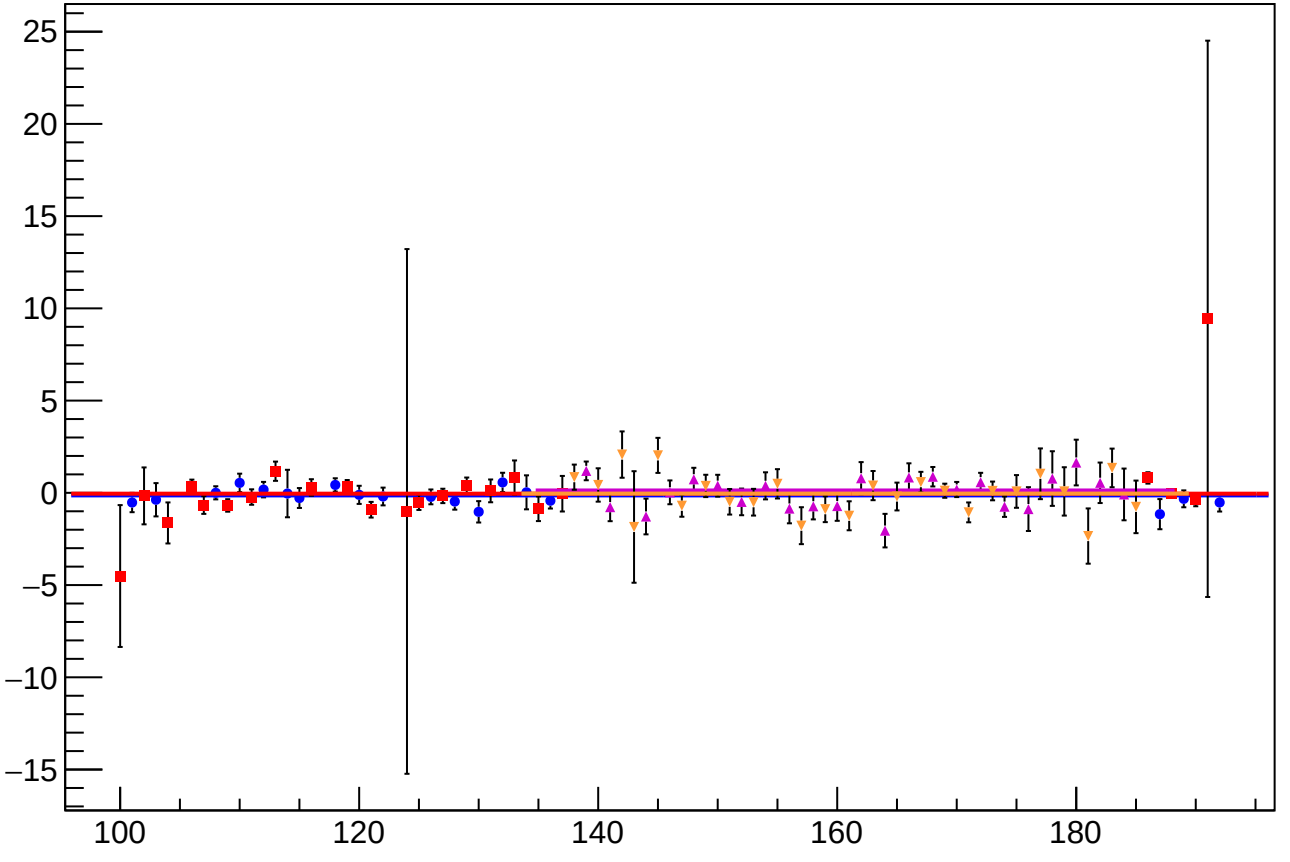
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 423.668+/-0.064 χ^2/NDF: 10299456.6/43

All: 373.696+/-0.041 χ^2/NDF: 25412631.5/89

- sign 337.277+/-0.054 χ^2/NDF: 14045440.5/45

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



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

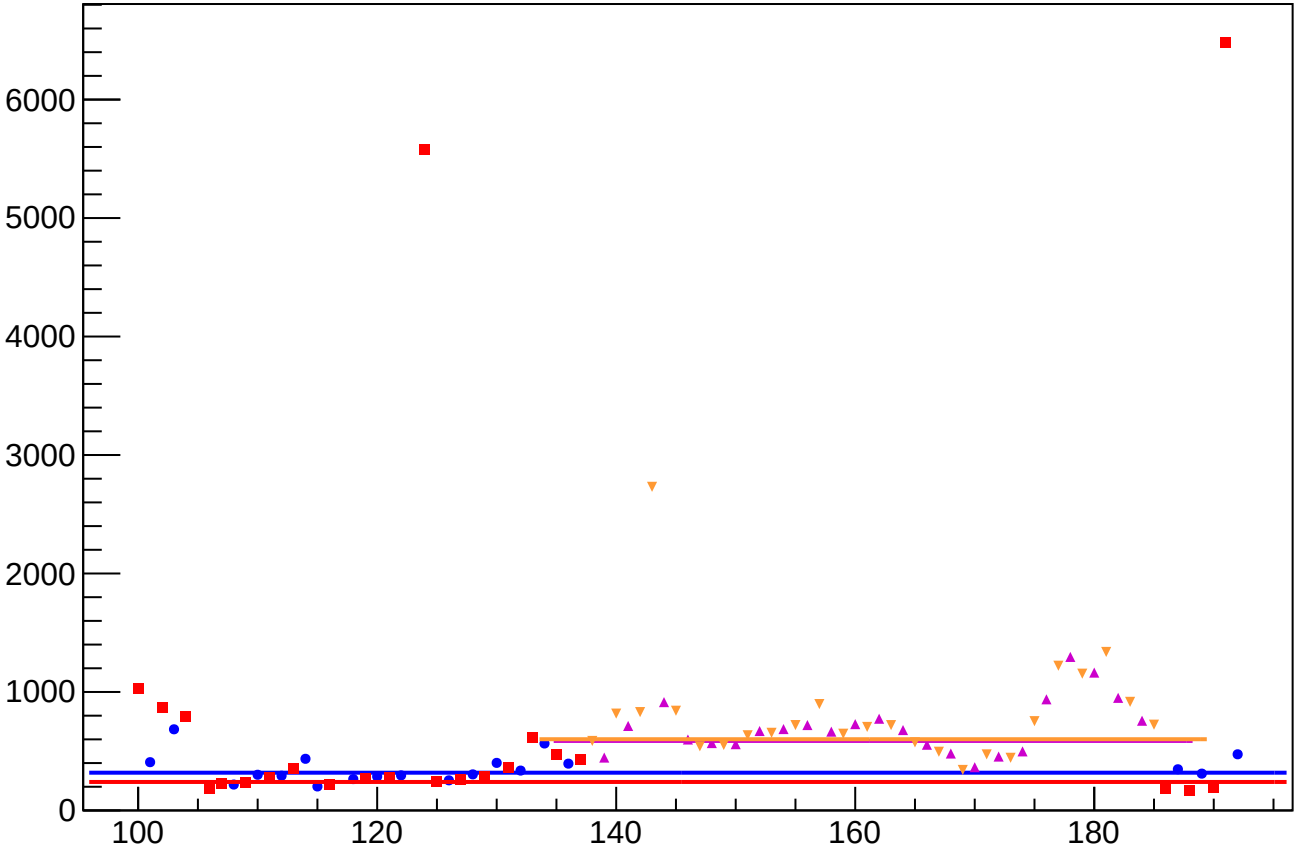
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.103+/-0.090 χ^2/NDF: 43.7/43

All: -0.042+/-0.058 χ^2/NDF: 109.4/89

- sign 0.003+/-0.077 χ^2/NDF: 64.8/45

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 318.674+/-0.080 χ^2/NDF: 1228589.1/18

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

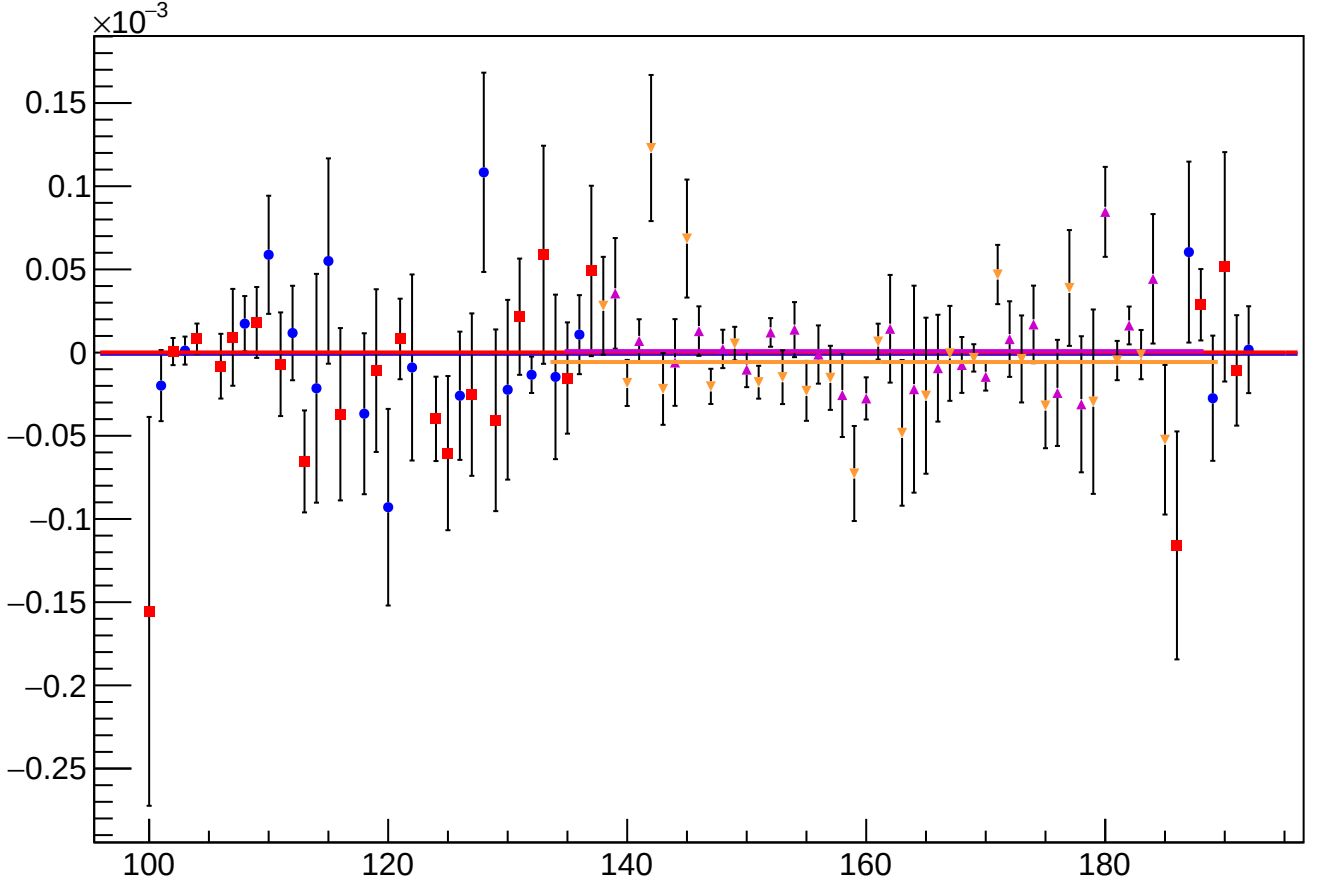
Right Out: 240.455+/-0.064 χ^2/NDF: 2911658.9/22

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 423.668+/-0.064 χ^2/NDF: 10299456.6/43

All: 373.696+/-0.041 χ^2/NDF: 25412631.5/89

- sign 337.277+/-0.054 χ^2/NDF: 14045440.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

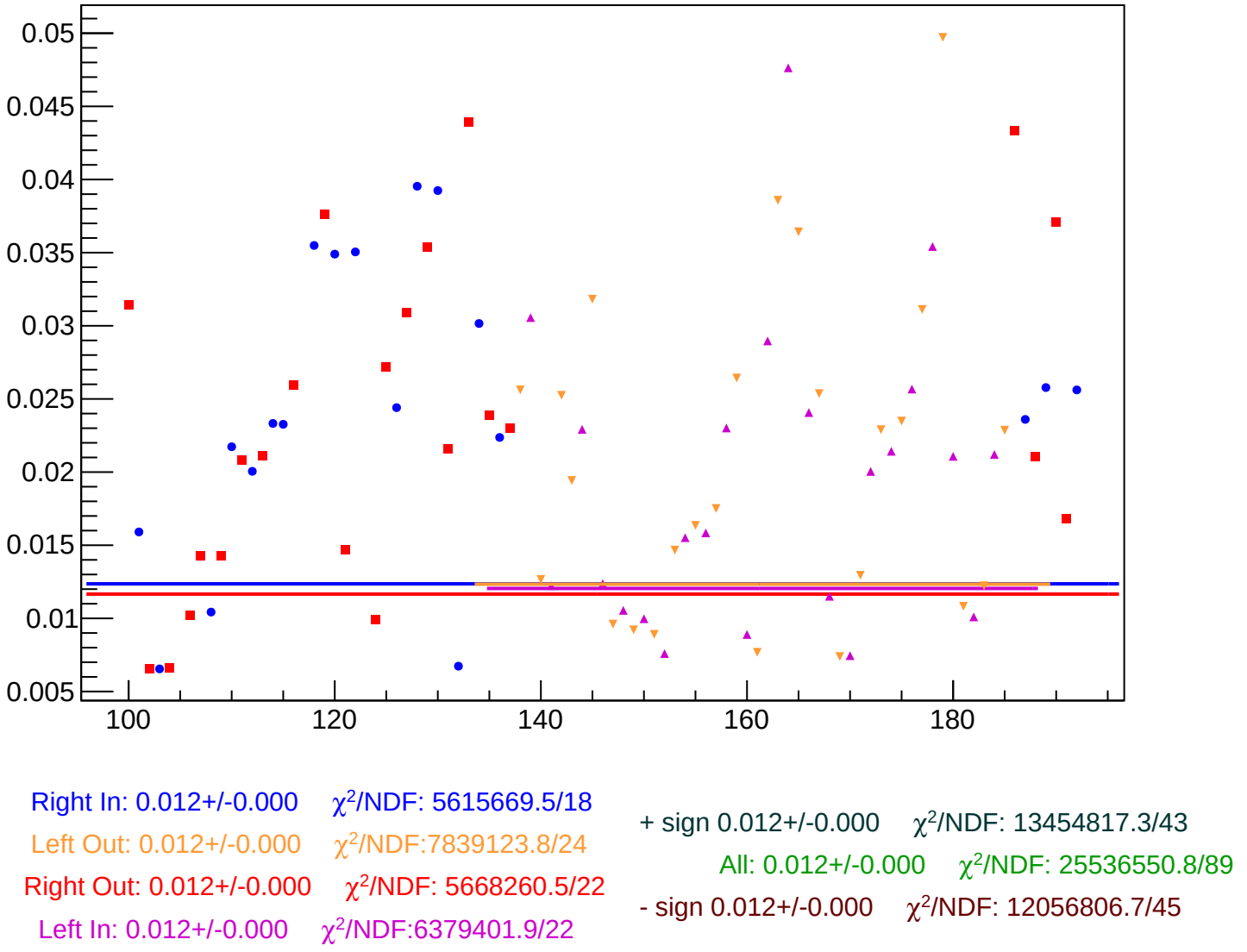
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/22

Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

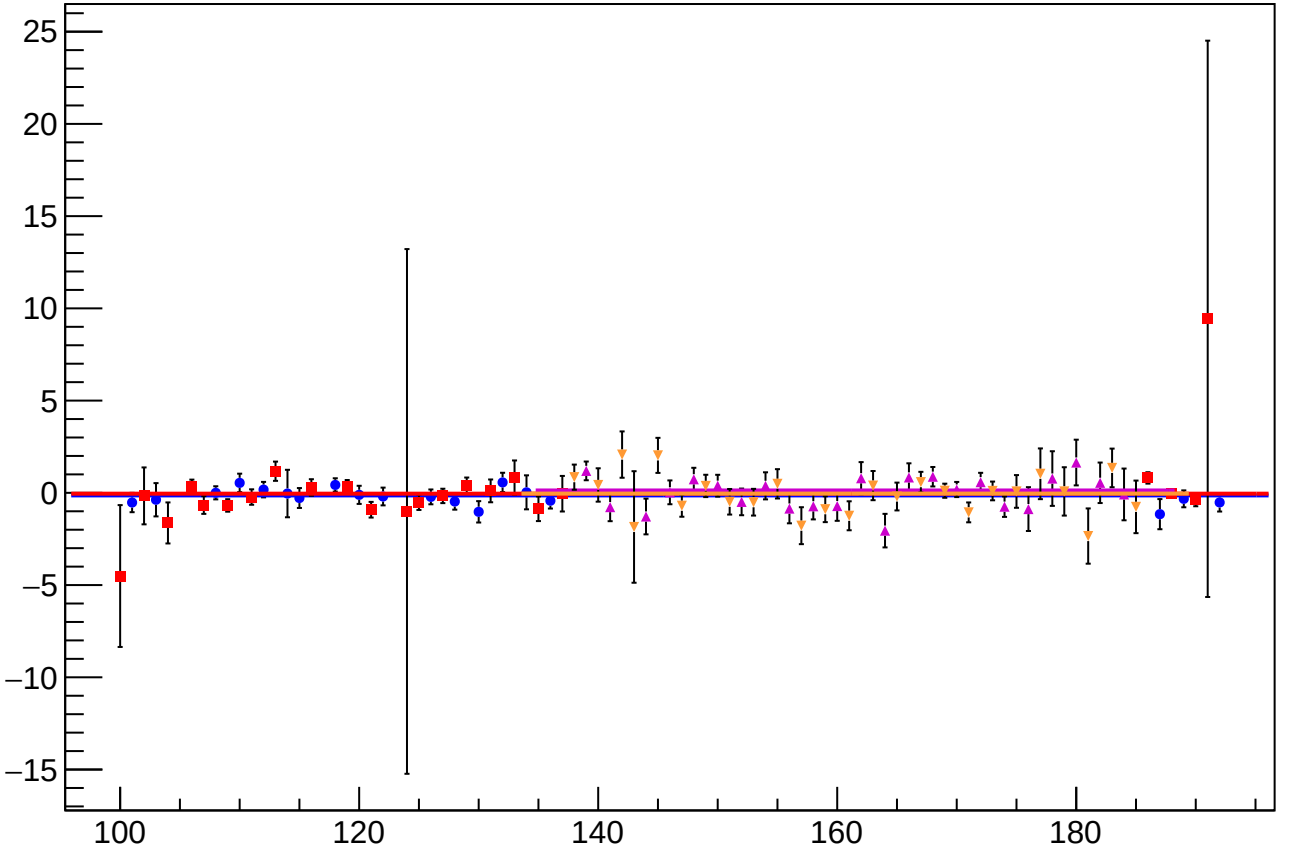
+ sign -0.000+/-0.000 χ^2/NDF: 59.5/43

All: -0.000+/-0.000 χ^2/NDF: 112.9/89

- sign 0.000+/-0.000 χ^2/NDF: 51.7/45


asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
Right In: 0.012+/-0.000 χ²/NDF: 5615669.5/18
Left Out: 0.012+/-0.000 χ²/NDF:7839123.8/24
Right Out: 0.012+/-0.000 χ²/NDF: 5668260.5/22
Left In: 0.012+/-0.000 χ²/NDF:6379401.9/22
+ sign 0.012+/-0.000 χ²/NDF: 13454817.3/43
All: 0.012+/-0.000 χ²/NDF: 25536550.8/89
- sign 0.012+/-0.000 χ²/NDF: 12056806.7/45

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



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

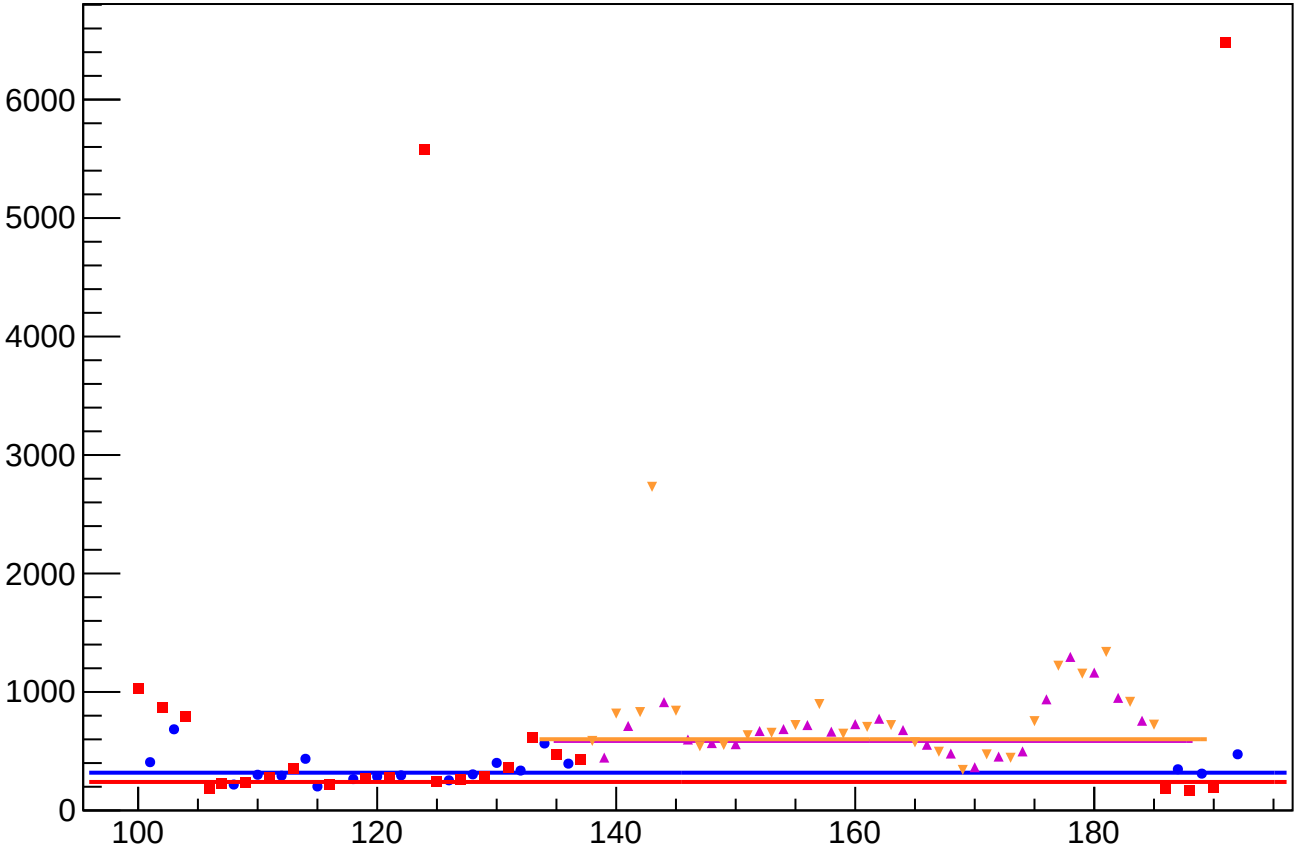
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.103+/-0.090 χ^2/NDF: 43.7/43

All: -0.042+/-0.058 χ^2/NDF: 109.4/89

- sign 0.003+/-0.077 χ^2/NDF: 64.8/45

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 318.672+/-0.080 χ^2/NDF: 1228552.9/18

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

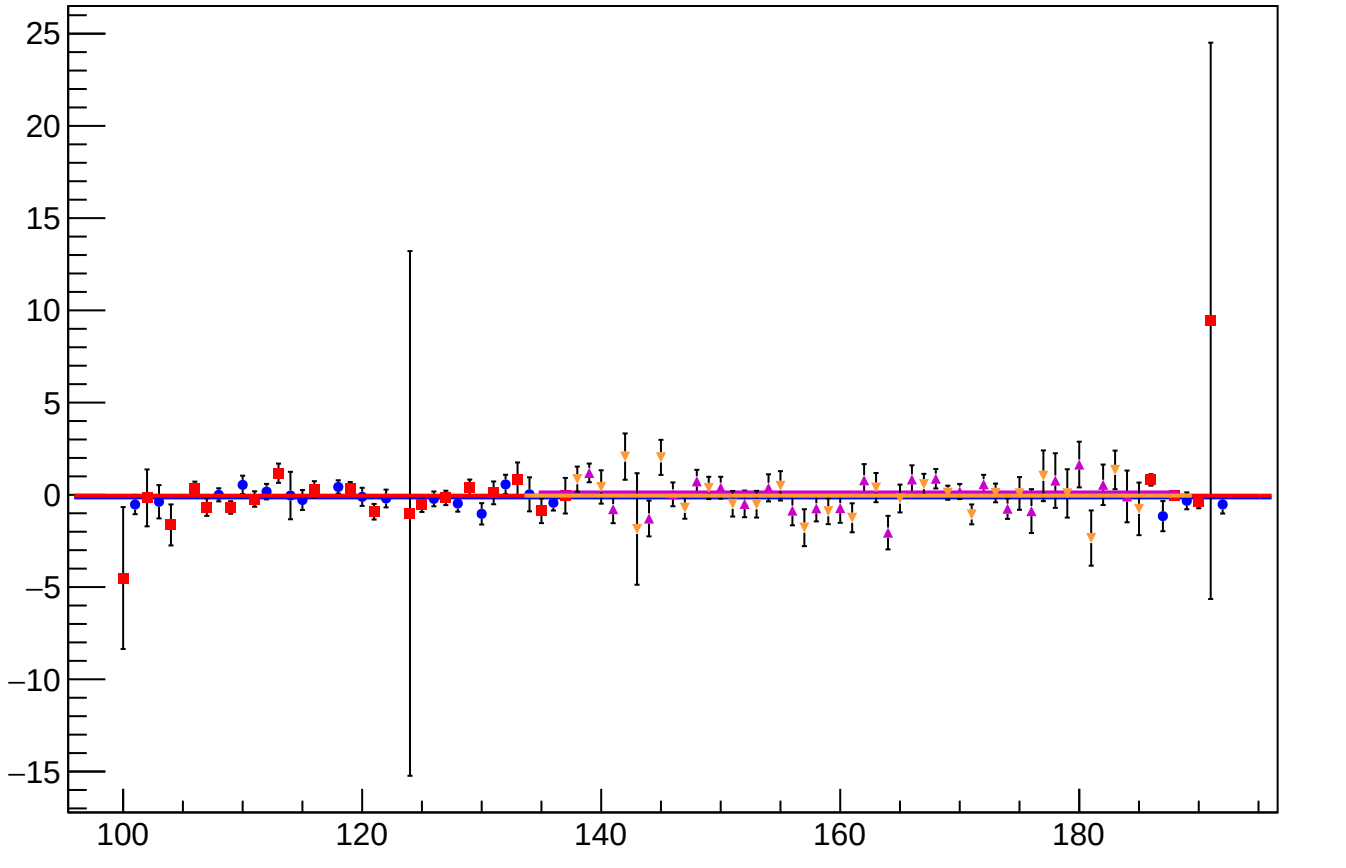
Right Out: 240.448+/-0.064 χ^2/NDF: 2911793.6/22

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

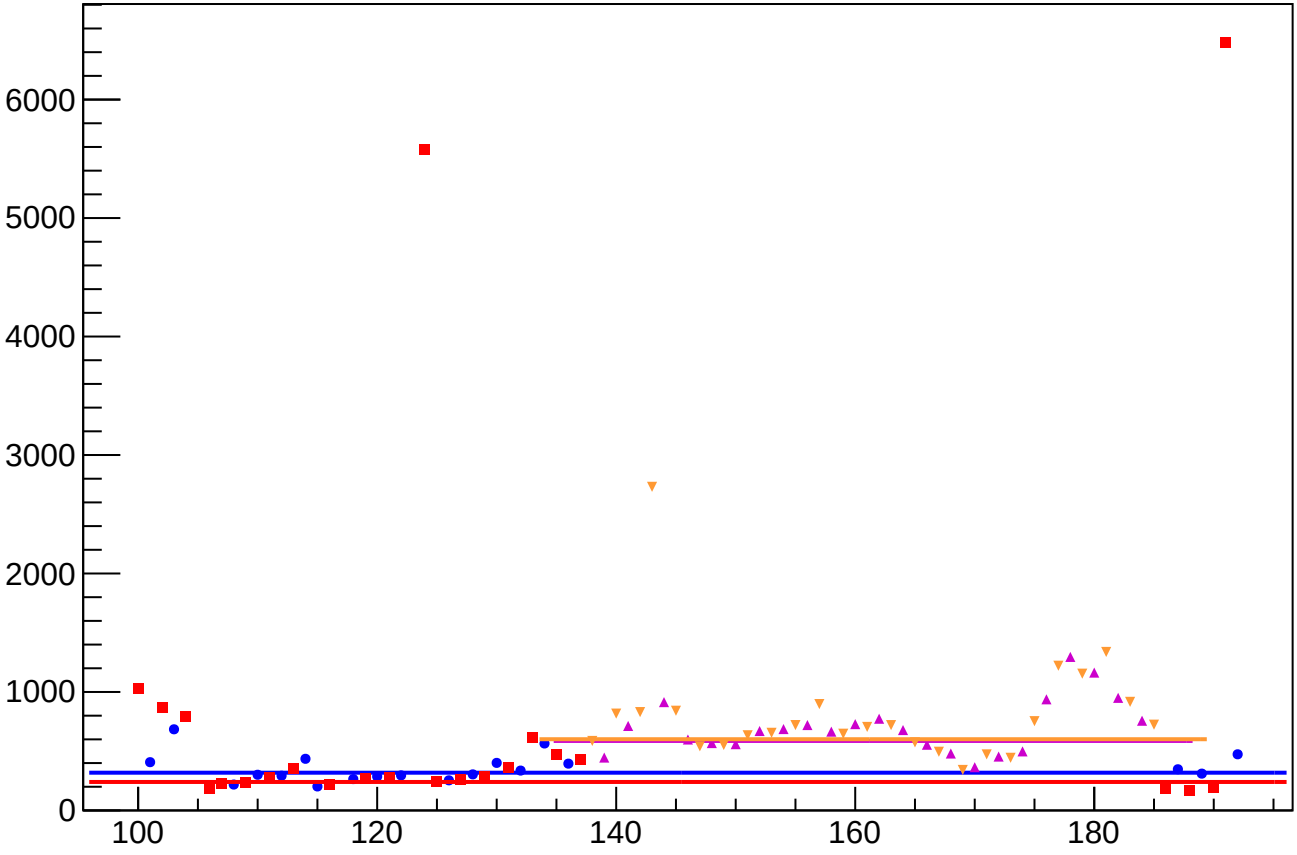
+ sign 423.666+/-0.064 χ^2/NDF: 10299682.4/43

All: 373.690+/-0.041 χ^2/NDF: 25413767.1/89

- sign 337.268+/-0.054 χ^2/NDF: 14046181.2/45


asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
25
20
15
10
5
0
−5
−10
−15
100
120
140
160
180
Right In: -0.139+/-0.113 χ²/NDF: 13.3/18
Left Out: -0.041+/-0.148 χ²/NDF:30.1/24
Right Out: -0.046+/-0.090 χ²/NDF: 34.8/22
Left In: 0.128+/-0.145 χ²/NDF:29.0/22
+ sign -0.103+/-0.090 χ²/NDF: 43.7/43
All: -0.042+/-0.058 χ²/NDF: 109.4/89
- sign 0.003+/-0.077 χ²/NDF: 64.8/45

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

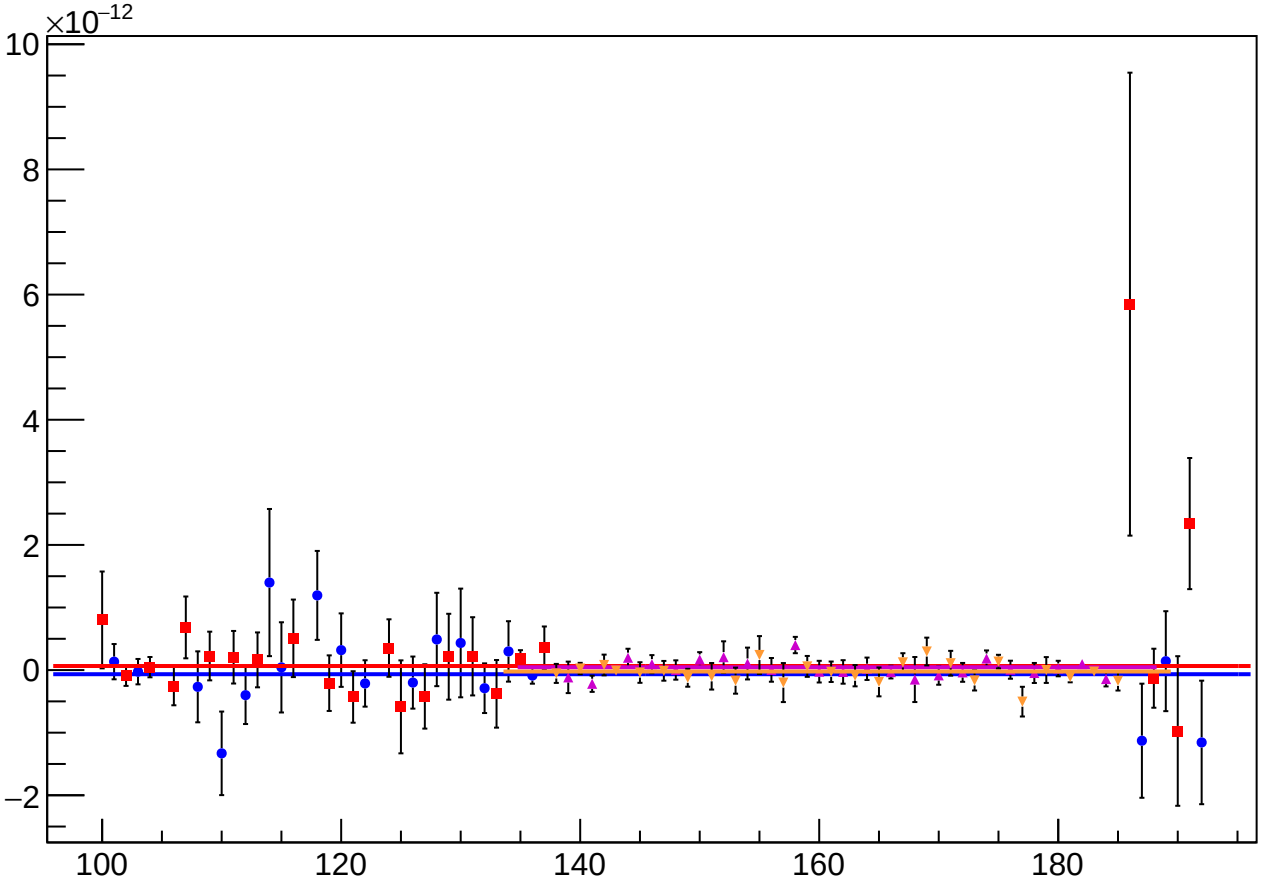
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 423.666+/-0.064 χ^2/NDF: 10299682.4/43

All: 373.690+/-0.041 χ^2/NDF: 25413767.1/89

- sign 337.268+/-0.054 χ^2/NDF: 14046181.2/45

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



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

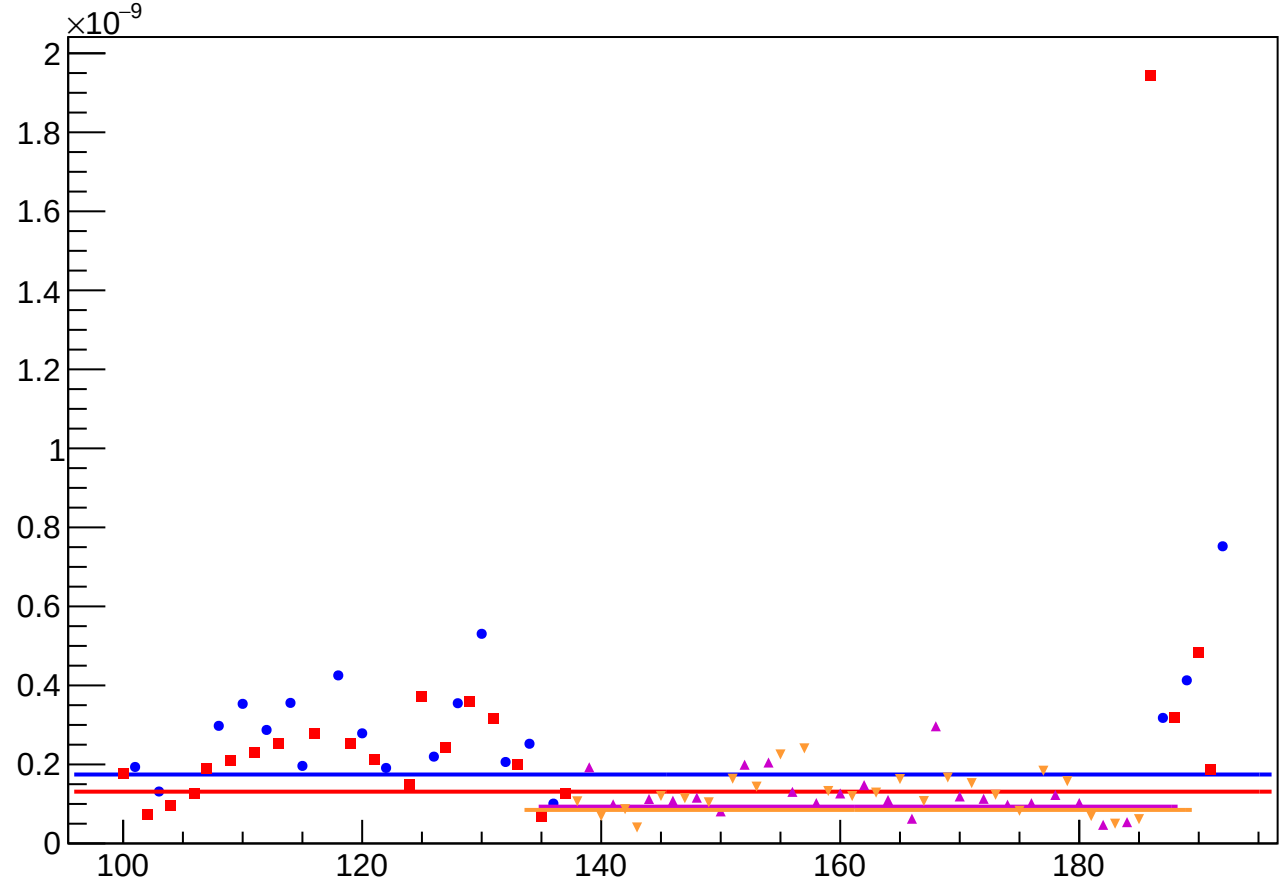
Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.2/43

All: 0.000+/-0.000 χ^2/NDF: 77.1/89

- sign 0.000+/-0.000 χ^2/NDF: 41.6/45

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2915806.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3203453.6/22

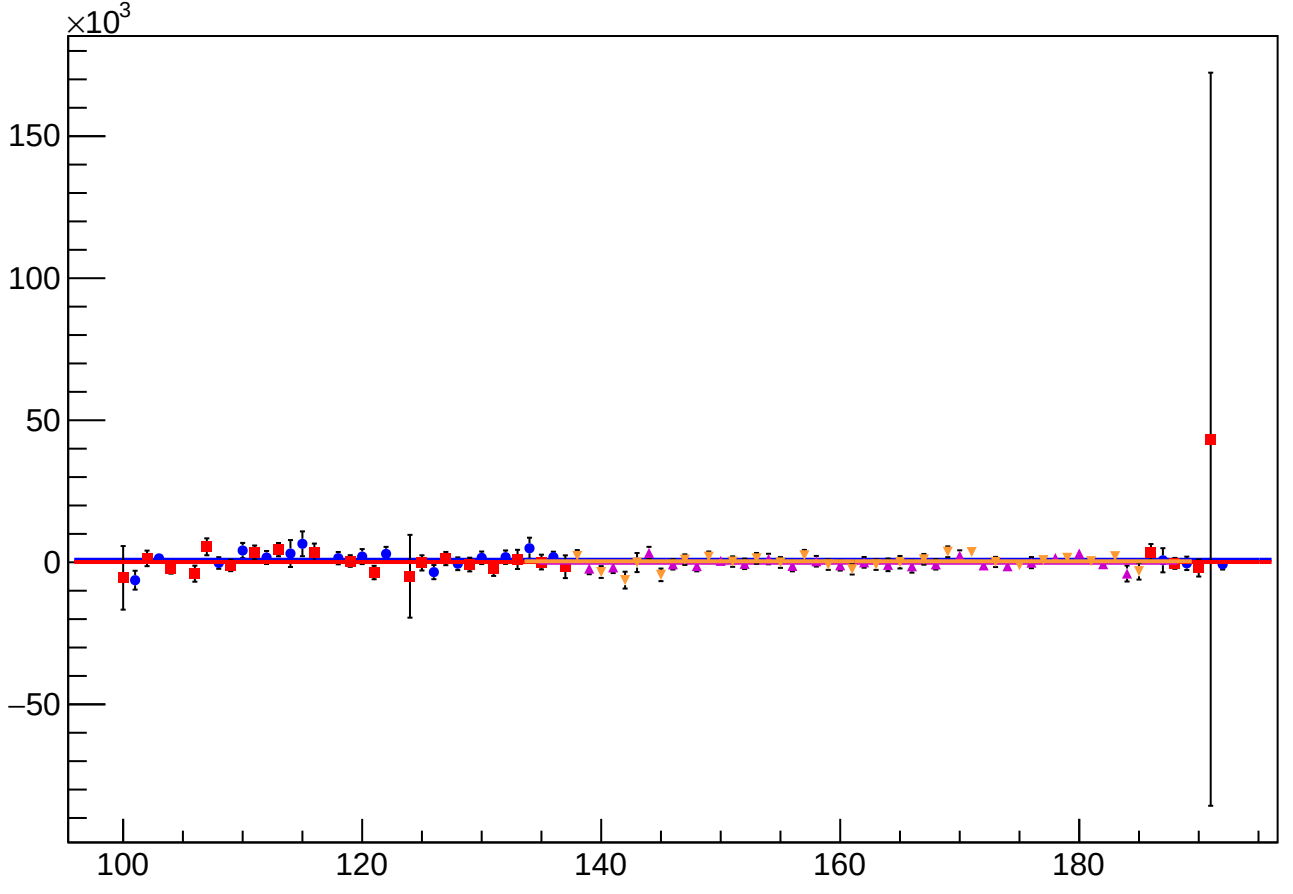
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10401334.0/43

All: 0.000+/-0.000 χ^2/NDF: 18041757.5/89

- sign 0.000+/-0.000 χ^2/NDF: 7589735.1/45

reg_asym_at2_dd_mean vs Slug



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

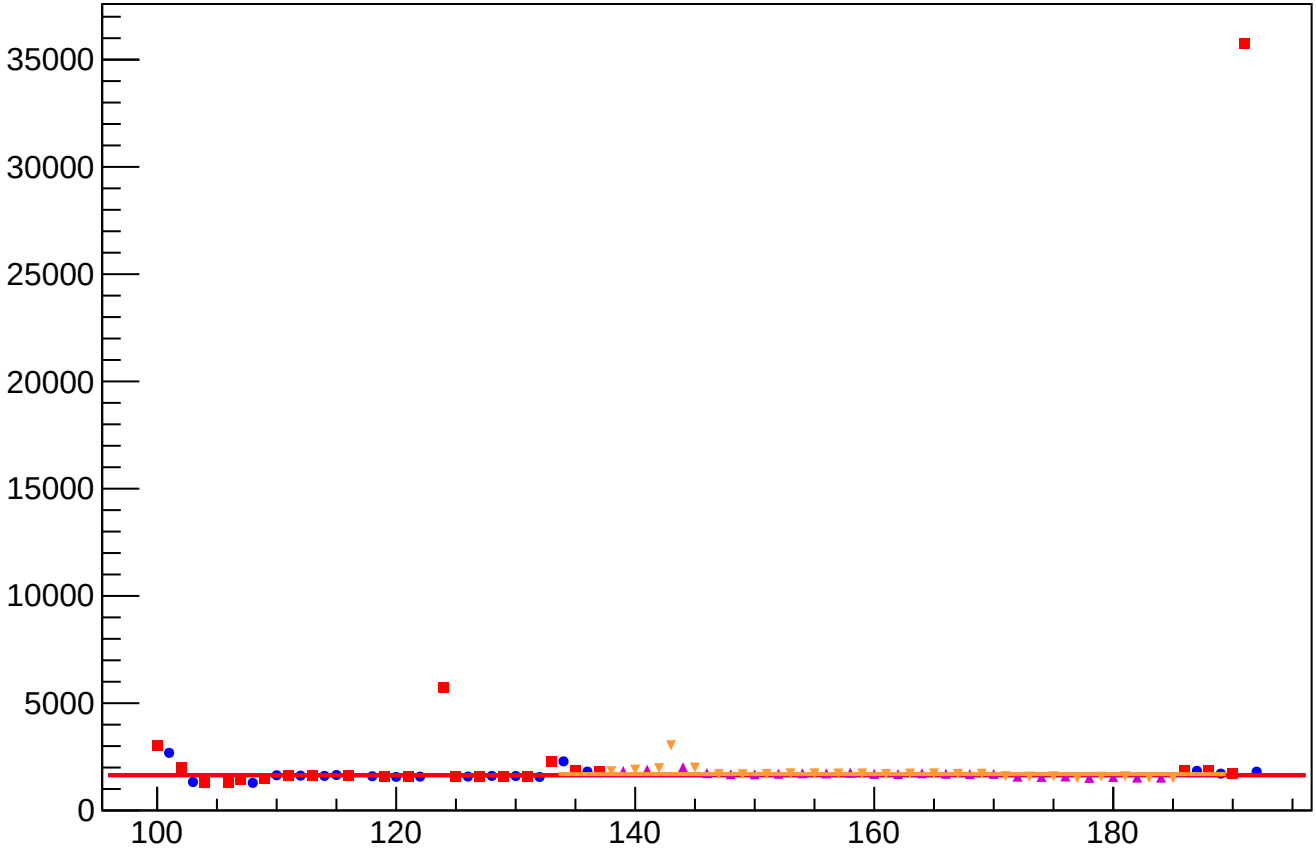
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 538.072+/-318.379 χ^2/NDF: 45.9/43

All: 235.866+/-226.170 χ^2/NDF: 84.3/89

- sign -71.998+/-321.346 χ^2/NDF: 36.6/45

reg_asym_at2_dd_rms vs Slug



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

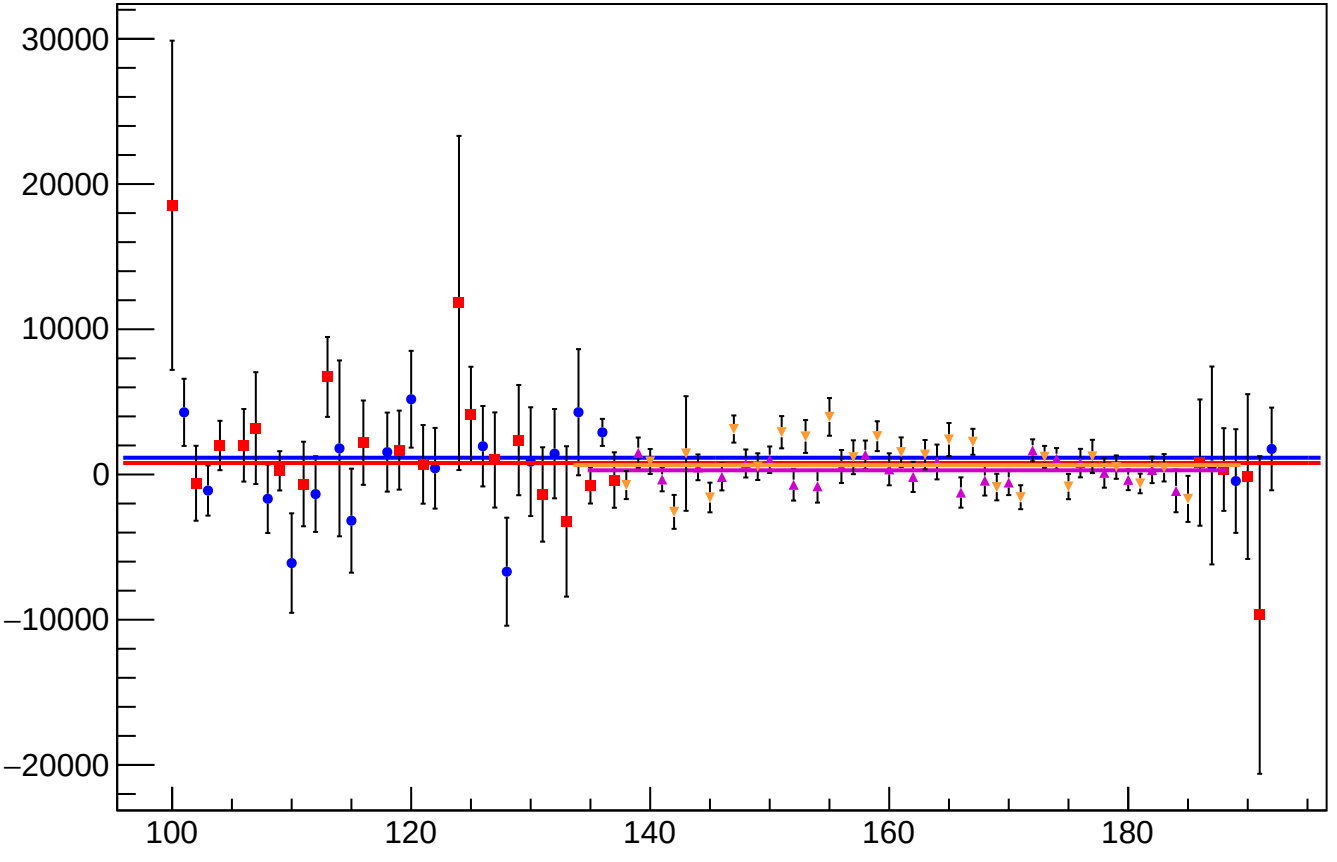
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1679.118+/-0.225 χ^2/NDF: 941122.0/43

All: 1674.440+/-0.160 χ^2/NDF: 1739445.8/89

- sign 1669.674+/-0.227 χ^2/NDF: 797452.0/45

asym_at2_dd_reg_correction_mean vs Slug



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

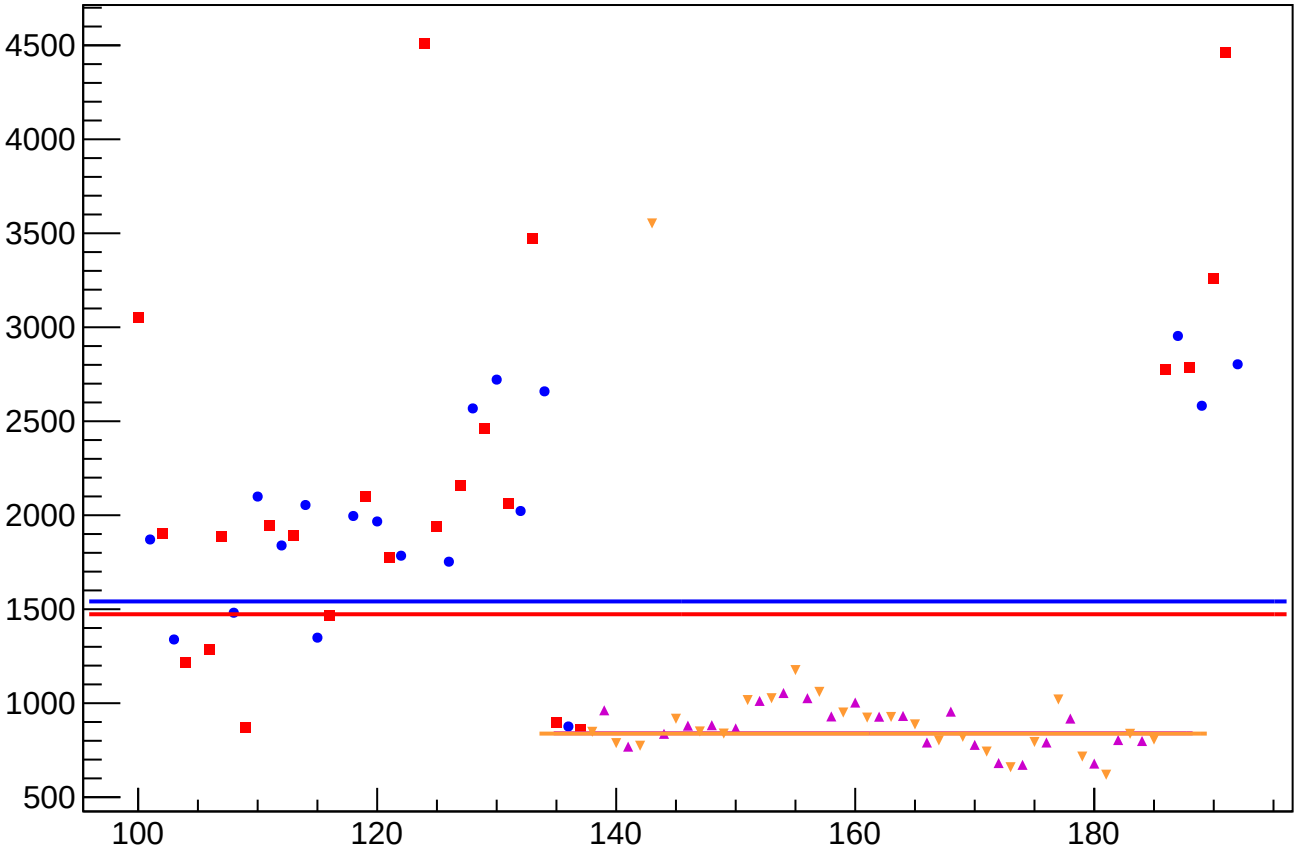
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 704.398+/-184.666 χ^2/NDF: 88.5/43

All: 527.996+/-131.150 χ^2/NDF: 122.9/89

- sign 348.474+/-186.292 χ^2/NDF: 32.6/45

asym_at2_dd_reg_correction_rms vs Slug



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

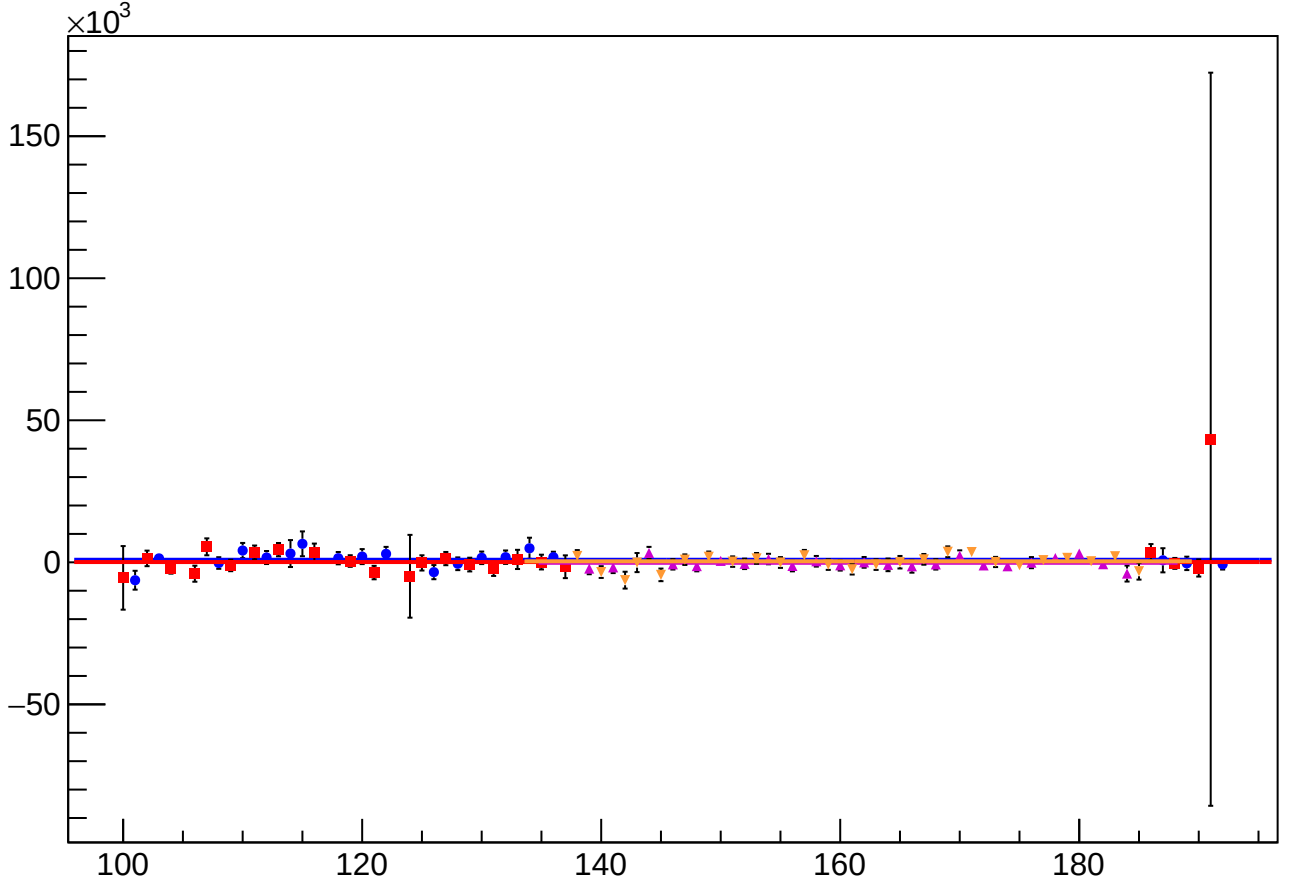
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 915.111+/-0.131 χ^2/NDF: 7111416.2/43

All: 915.274+/-0.093 χ^2/NDF: 13351402.0/89

- sign 915.439+/-0.132 χ^2/NDF: 6239982.6/45

cor_asym_at2_dd_mean vs Slug



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

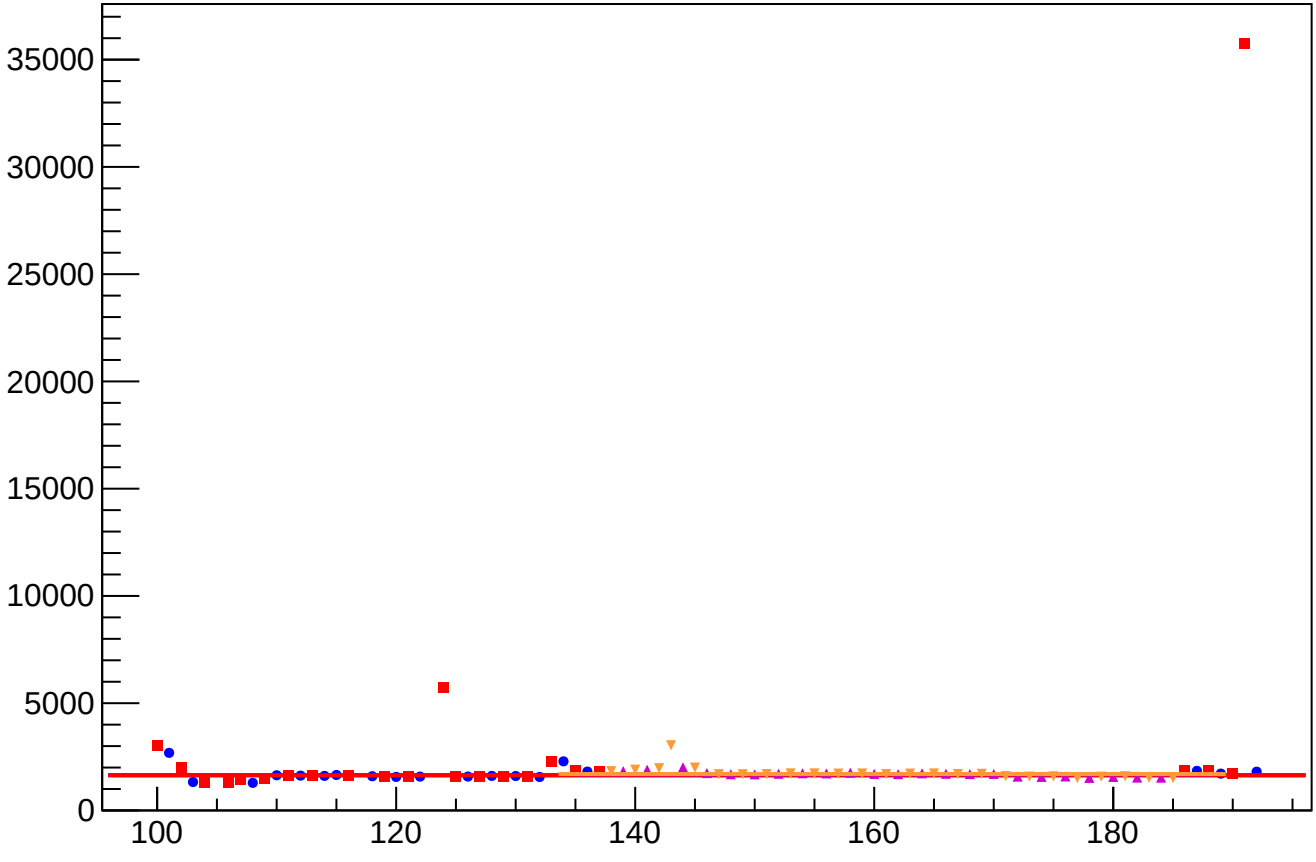
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 537.994+/-318.379 χ^2/NDF: 45.9/43

All: 235.903+/-226.170 χ^2/NDF: 84.3/89

- sign -71.843+/-321.346 χ^2/NDF: 36.6/45

cor_asym_at2_dd_rms vs Slug



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

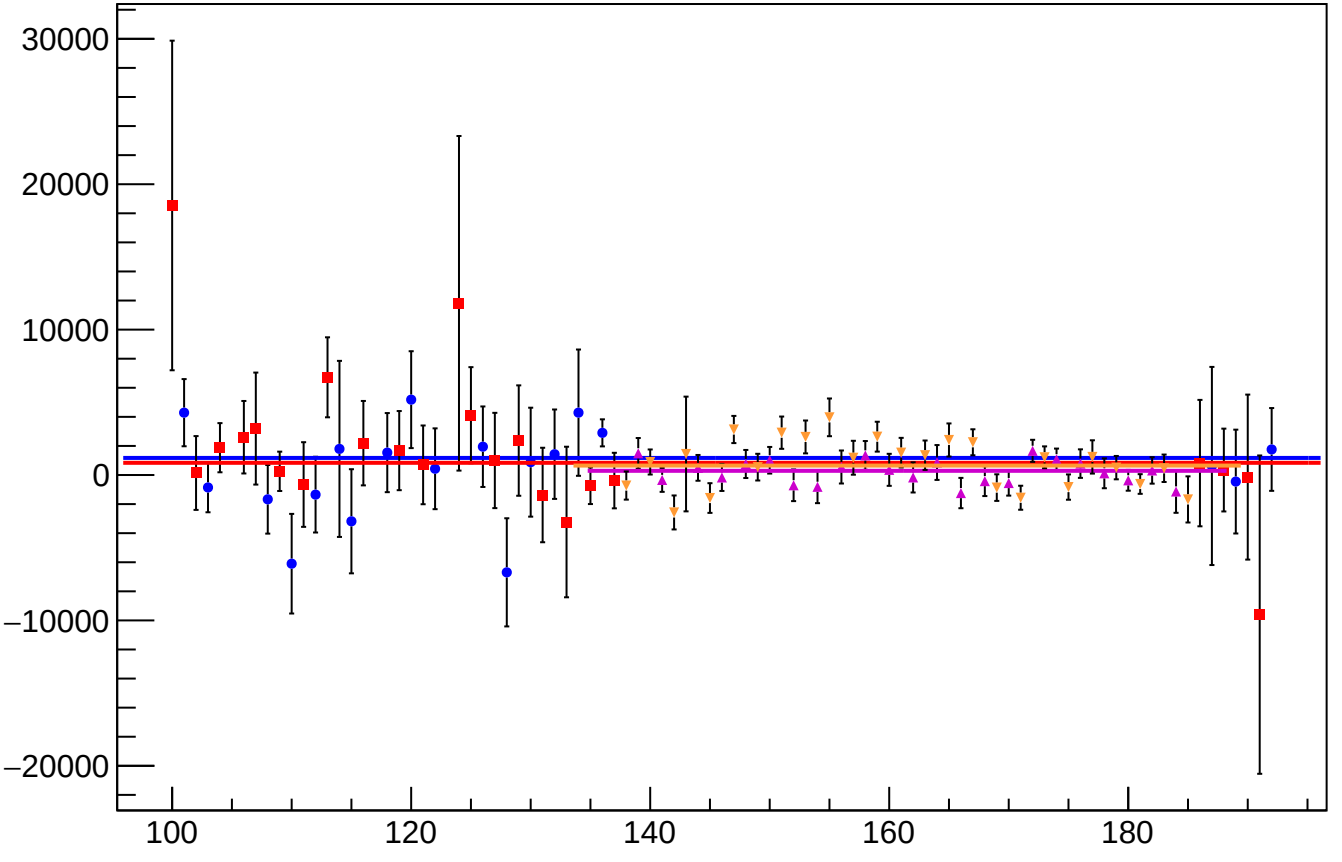
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1679.118+/-0.225 χ^2/NDF: 941122.3/43

All: 1674.440+/-0.160 χ^2/NDF: 1739446.2/89

- sign 1669.674+/-0.227 χ^2/NDF: 797452.1/45

asym_at2_dd_cor_correction_mean vs Slug



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

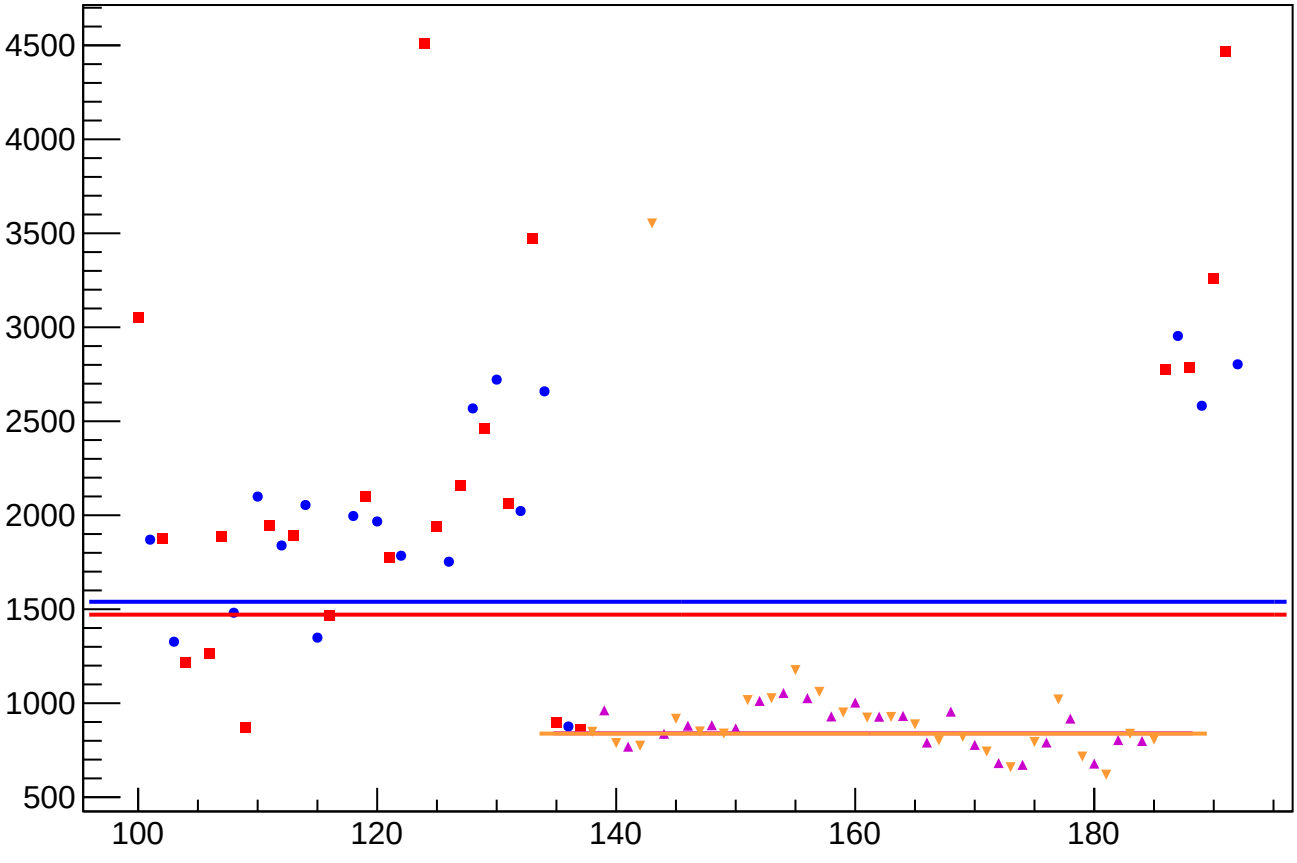
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 706.865+/-184.641 χ^2/NDF: 88.3/43

All: 532.184+/-131.131 χ^2/NDF: 122.7/89

- sign 354.421+/-186.263 χ^2/NDF: 32.7/45

asym_at2_dd_cor_correction_rms vs Slug



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

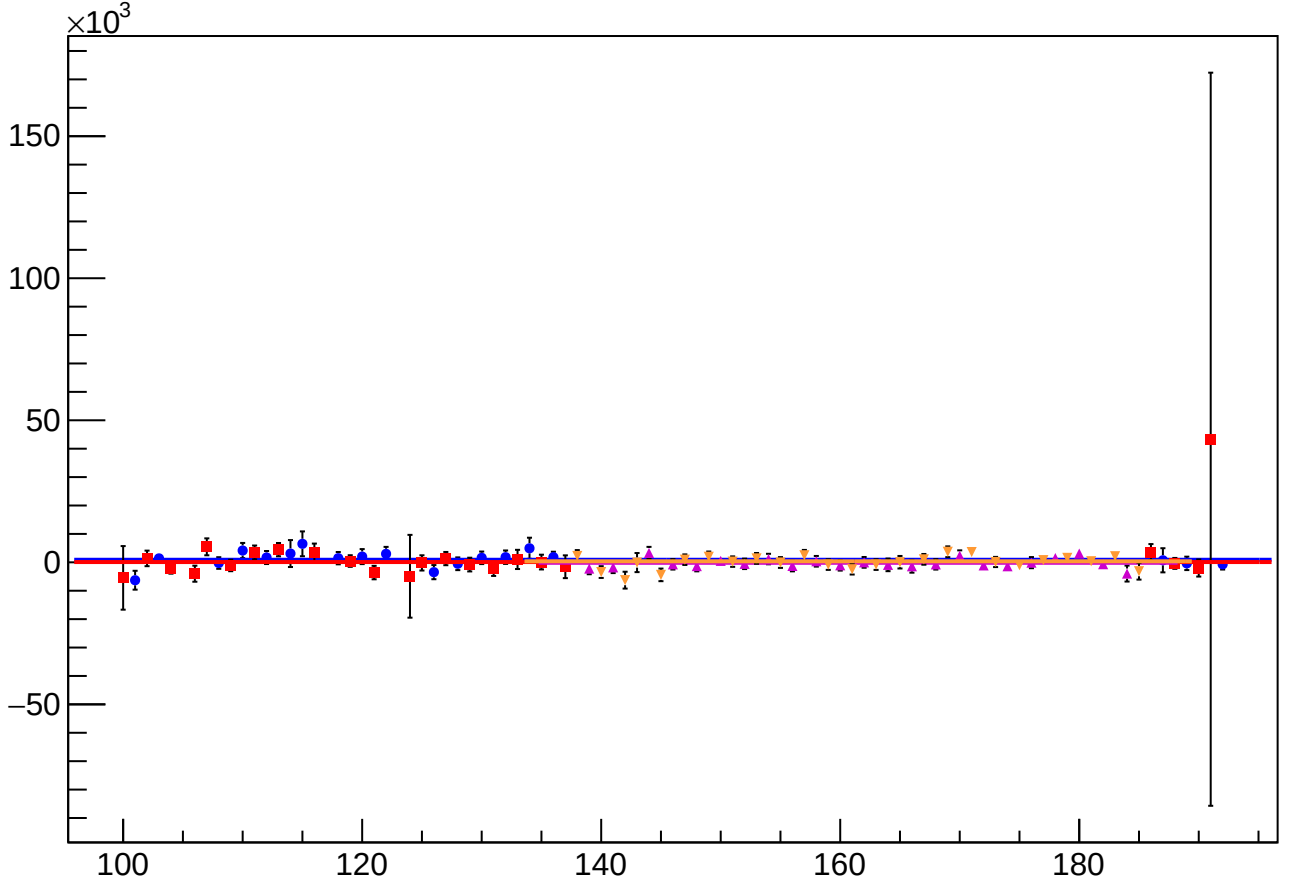
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 915.106+/-0.131 χ^2/NDF: 7107081.5/43

All: 915.230+/-0.093 χ^2/NDF: 13334636.5/89

- sign 915.356+/-0.132 χ^2/NDF: 6227553.2/45

eigen_cor_asym_at2_dd_mean vs Slug



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

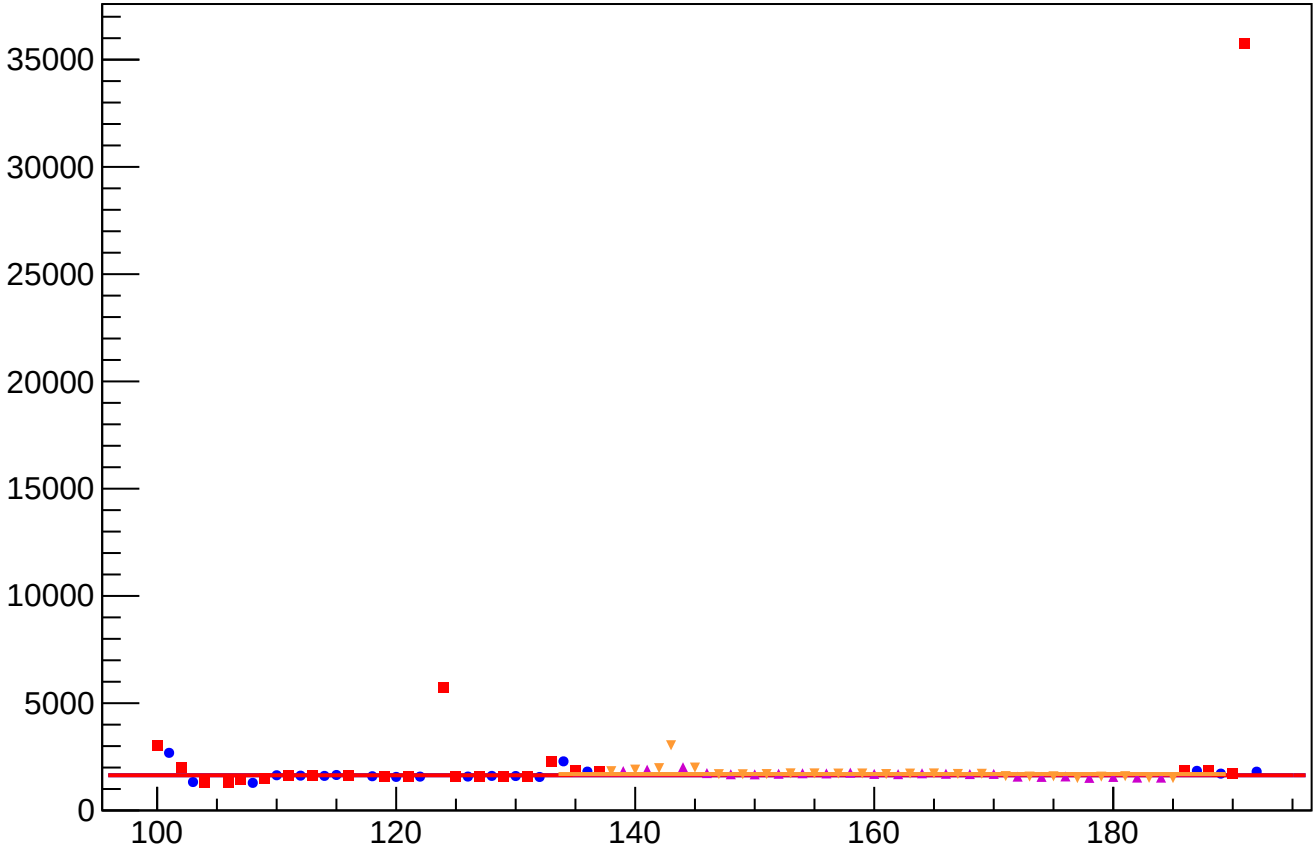
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 537.994+/-318.379 χ^2/NDF: 45.9/43

All: 235.903+/-226.170 χ^2/NDF: 84.3/89

- sign -71.843+/-321.346 χ^2/NDF: 36.6/45

eigen_cor_asym_at2_dd_rms vs Slug



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

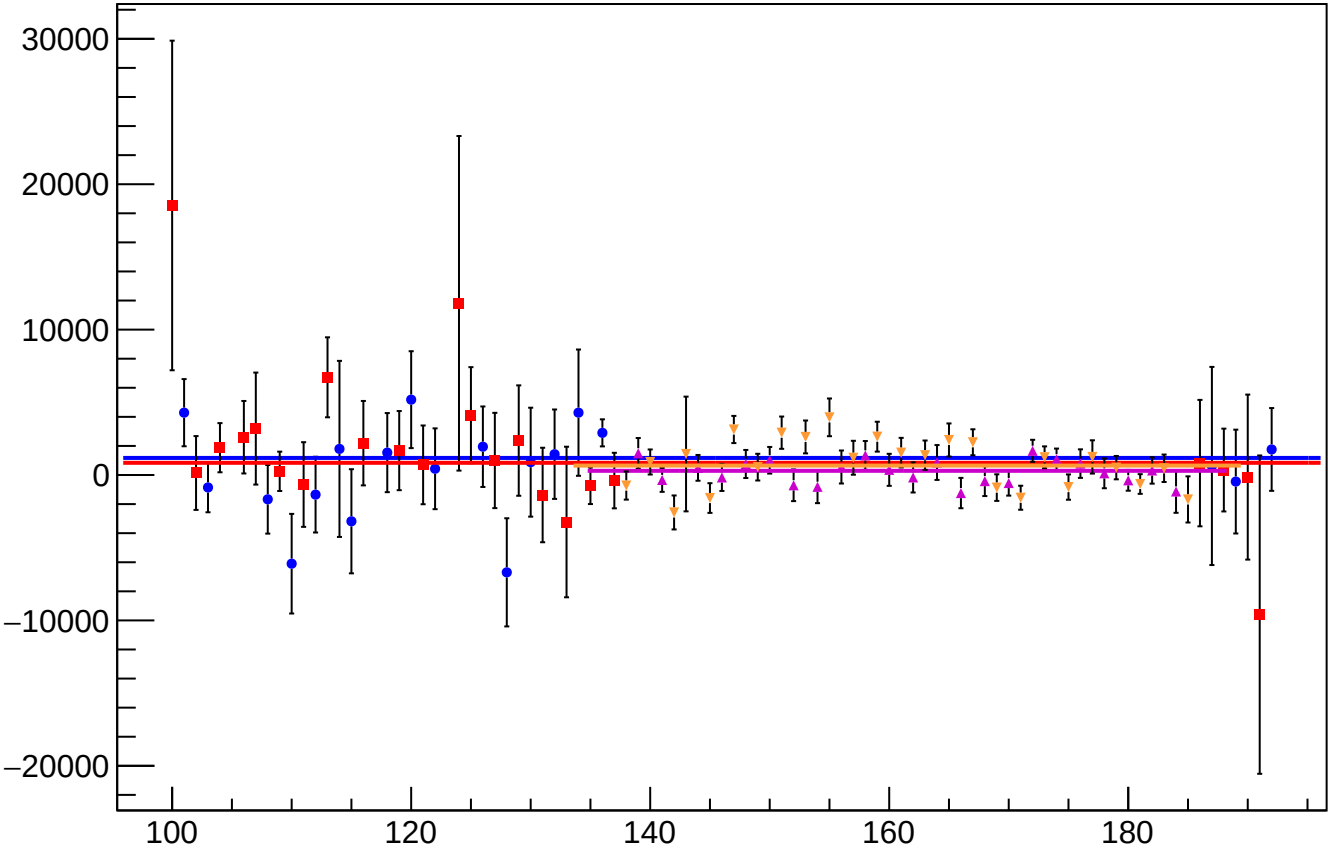
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1679.118+/-0.225 χ^2/NDF: 941122.3/43

All: 1674.440+/-0.160 χ^2/NDF: 1739446.2/89

- sign 1669.674+/-0.227 χ^2/NDF: 797452.1/45

asym_at2_dd_eigen_cor_correction_mean vs Slug



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

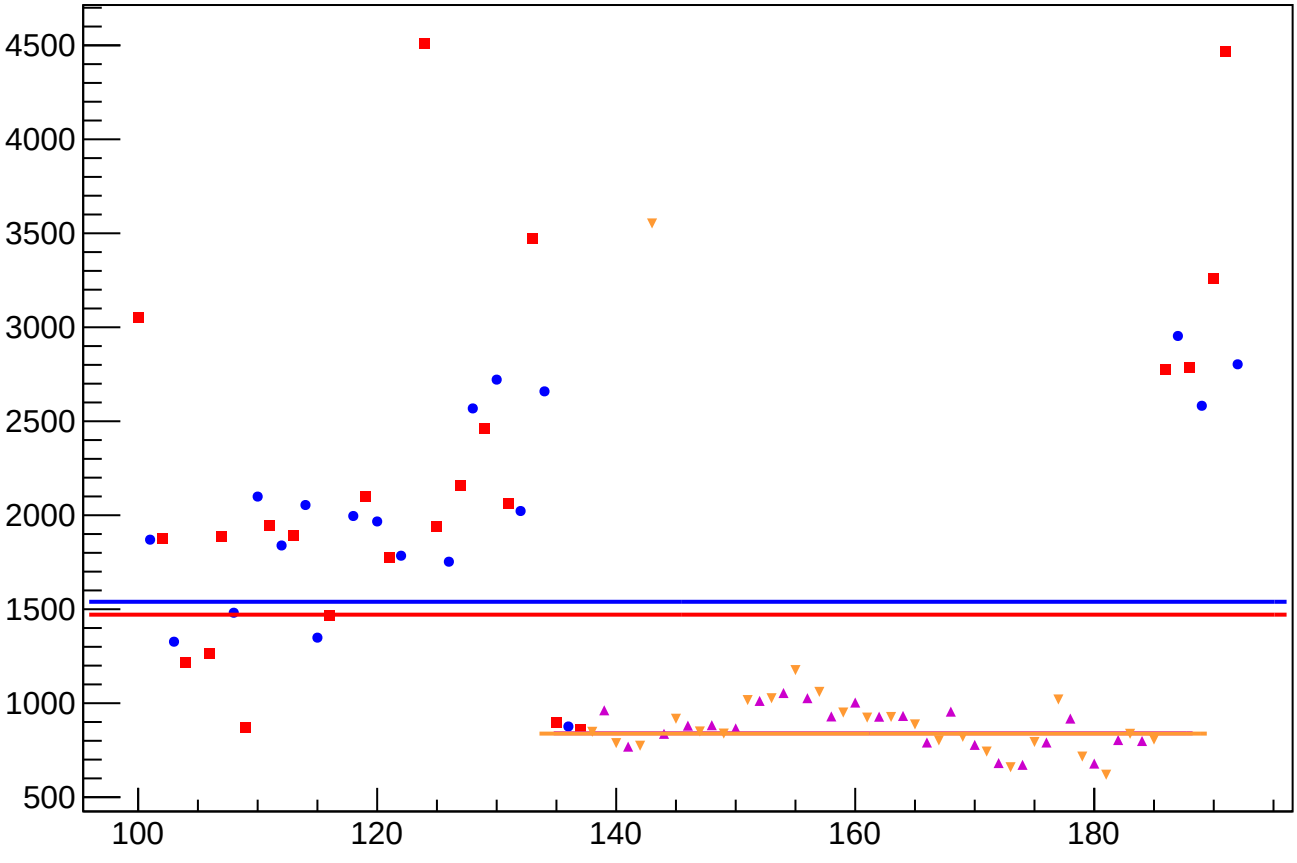
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 706.865+/-184.641 χ^2/NDF: 88.3/43

All: 532.184+/-131.131 χ^2/NDF: 122.7/89

- sign 354.421+/-186.263 χ^2/NDF: 32.7/45

asym_at2_dd_eigen_cor_correction_rms vs Slug



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

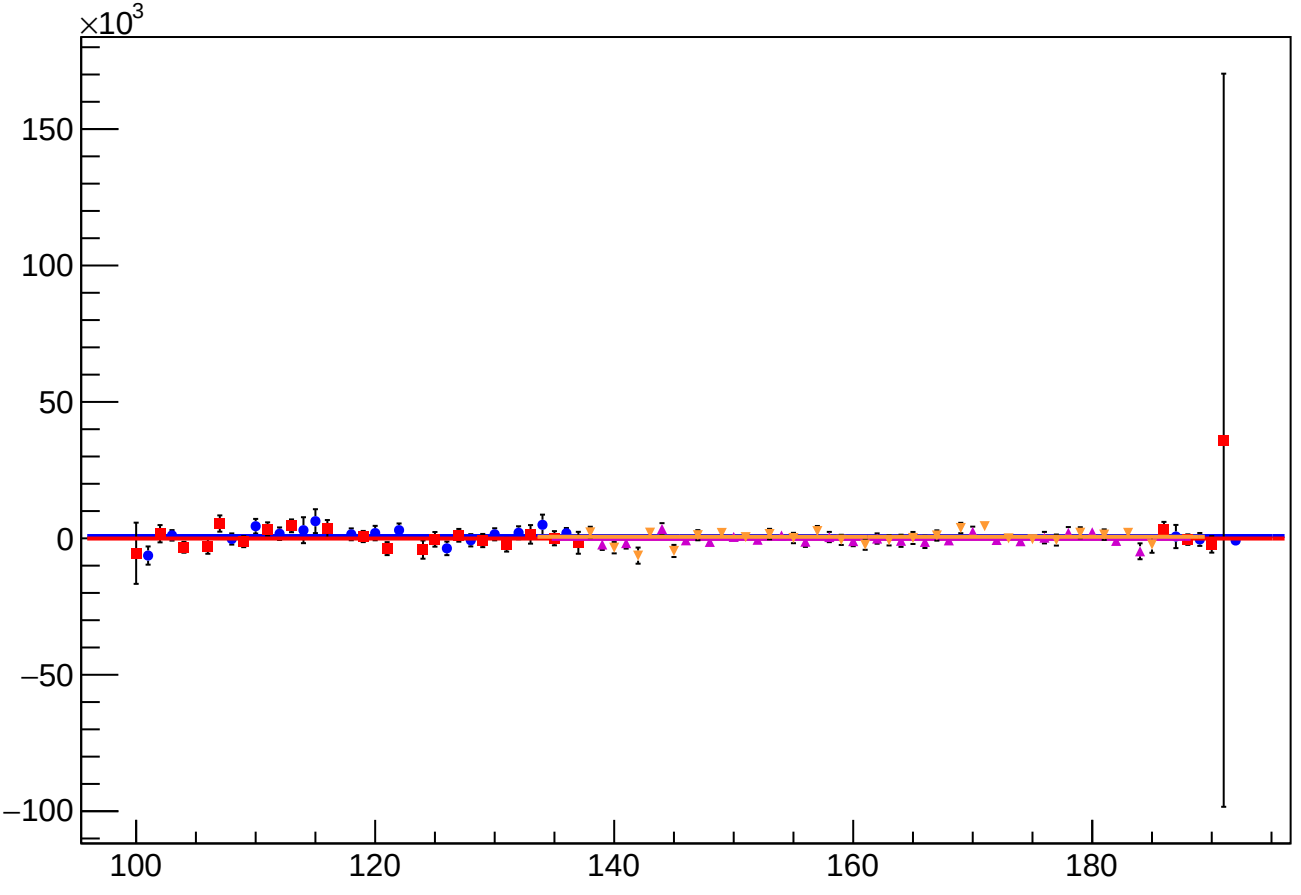
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 915.106+/-0.131 χ^2/NDF: 7107081.5/43

All: 915.230+/-0.093 χ^2/NDF: 13334636.5/89

- sign 915.356+/-0.132 χ^2/NDF: 6227553.2/45

dit_asym_at2_dd_mean vs Slug



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

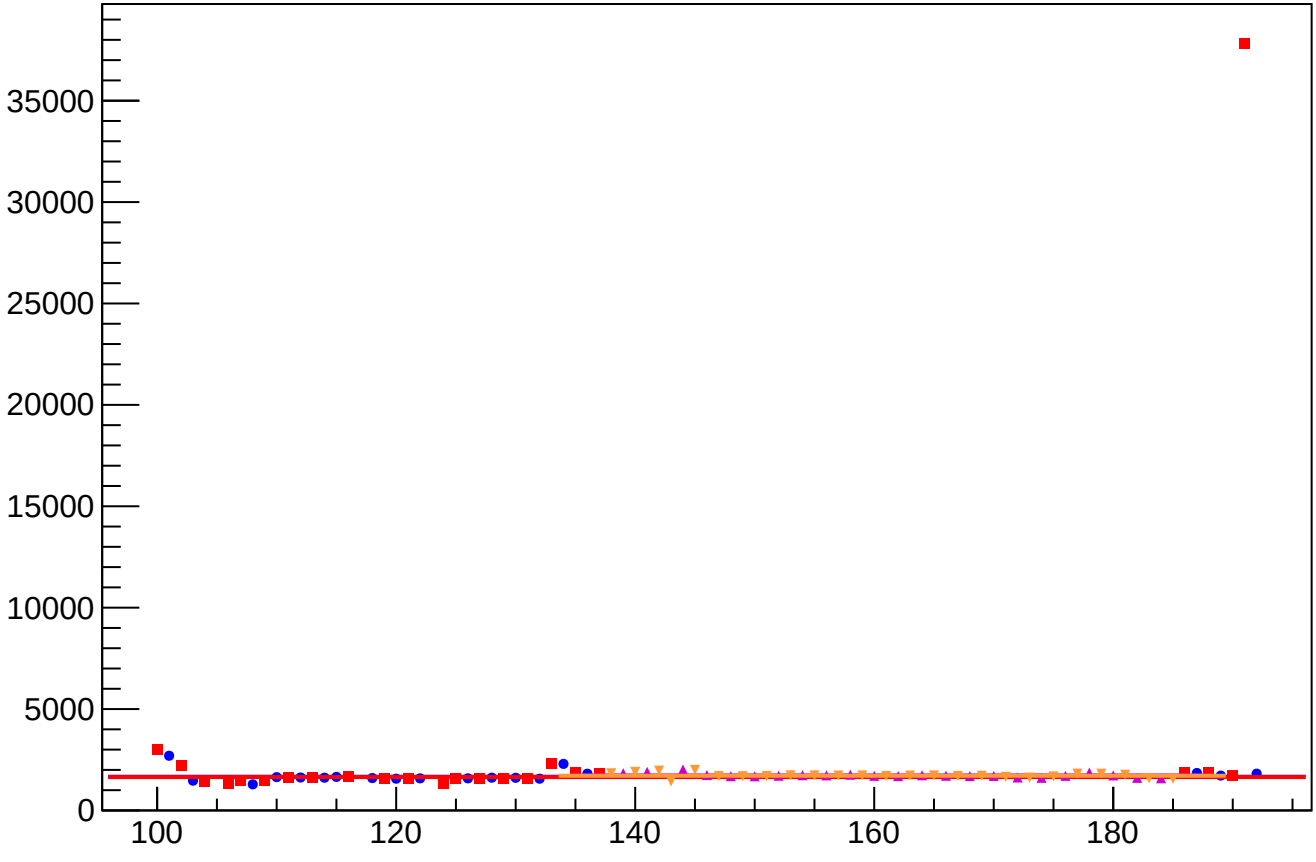
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 669.417+/-320.464 χ^2/NDF: 48.4/43

All: 269.599+/-228.740 χ^2/NDF: 88.6/89

- sign -145.670+/-326.597 χ^2/NDF: 37.0/45

dit_asym_at2_dd_rms vs Slug



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

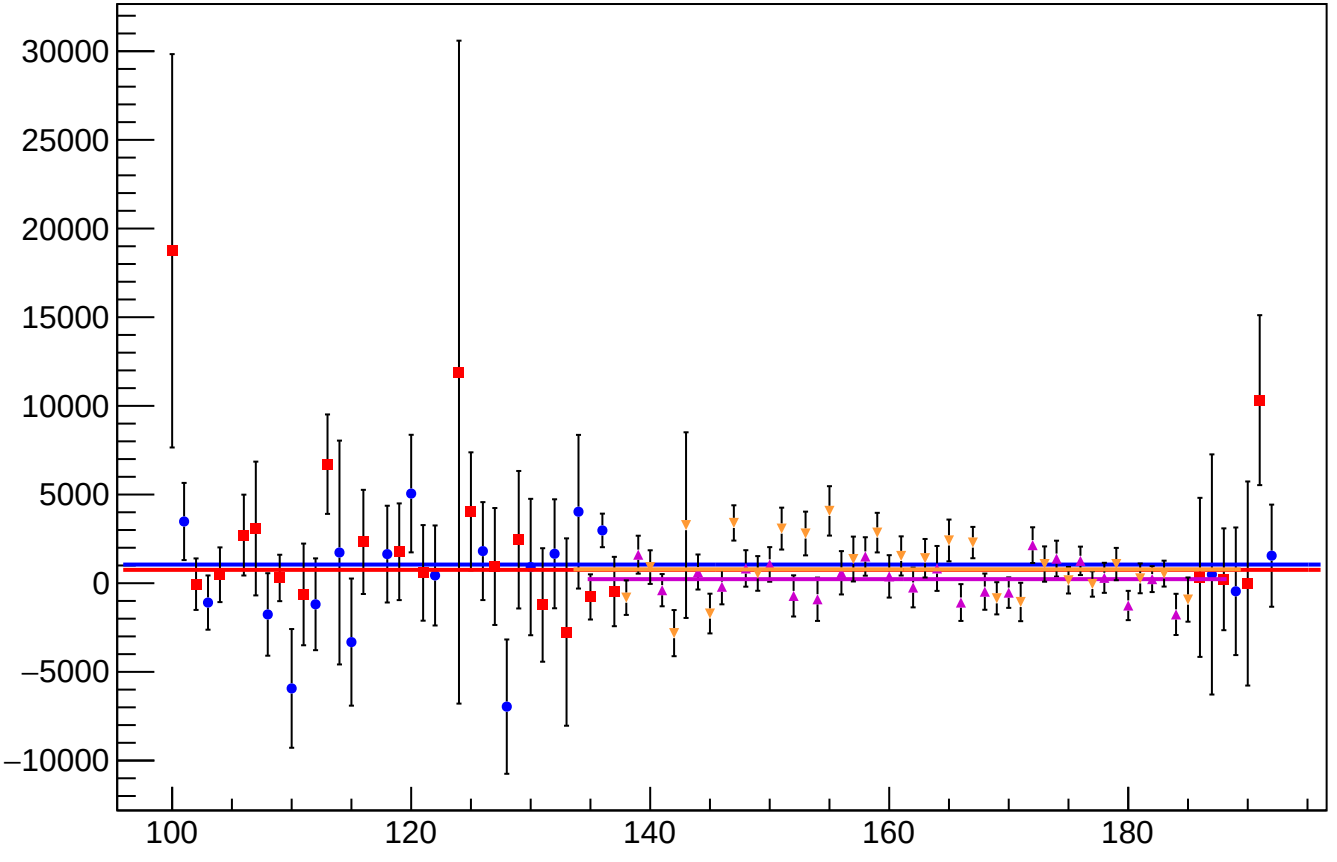
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1695.722+/-0.227 χ^2/NDF: 561472.0/43

All: 1697.611+/-0.162 χ^2/NDF: 1173769.6/89

- sign 1699.573+/-0.231 χ^2/NDF: 612155.9/45

asym_at2_dd_dit_correction_mean vs Slug



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

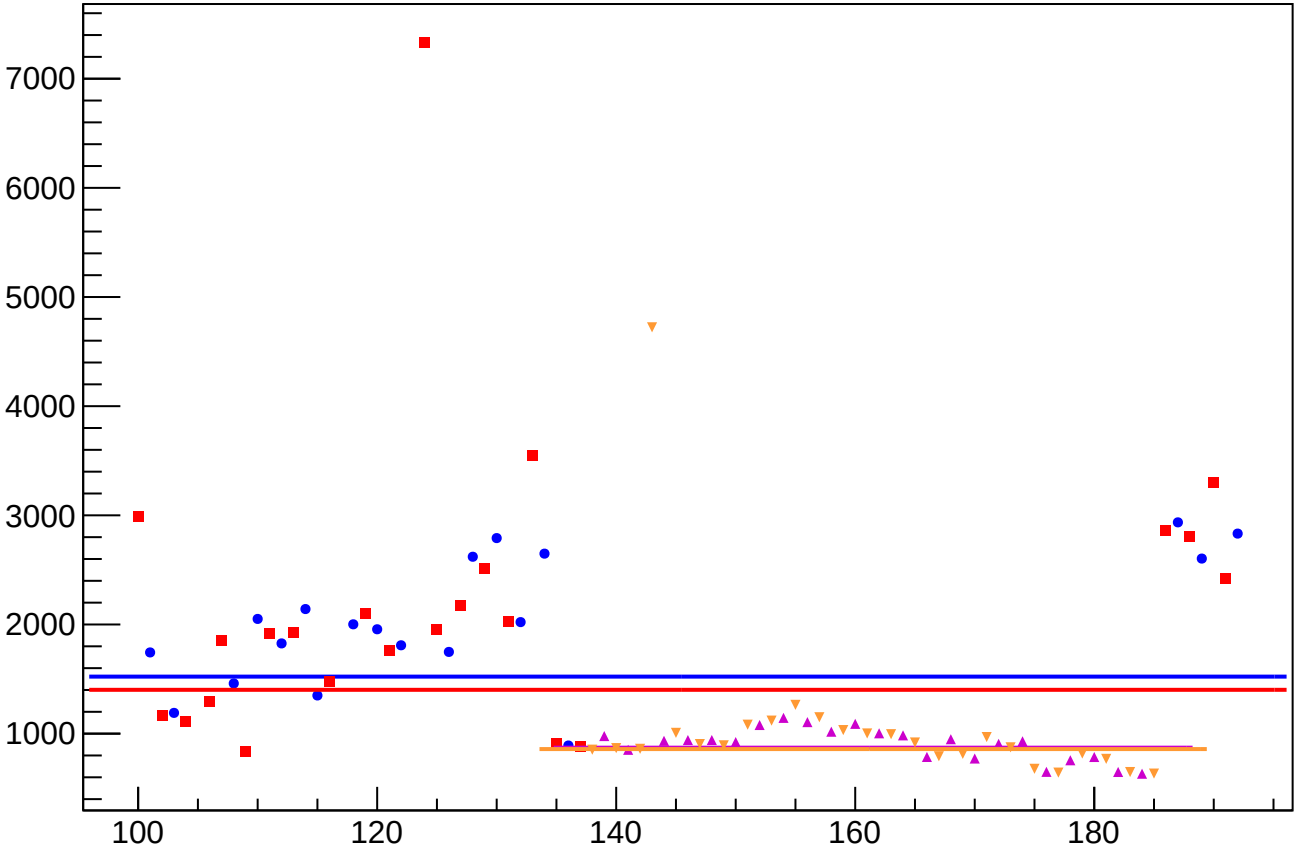
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 811.024+/-189.406 χ^2/NDF: 77.0/43

All: 559.927+/-134.627 χ^2/NDF: 121.7/89

- sign 303.531+/-191.394 χ^2/NDF: 41.2/45

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1522.464+/-0.390 χ^2/NDF: 2493745.3/18

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1401.464+/-0.358 χ^2/NDF: 3250540.3/22

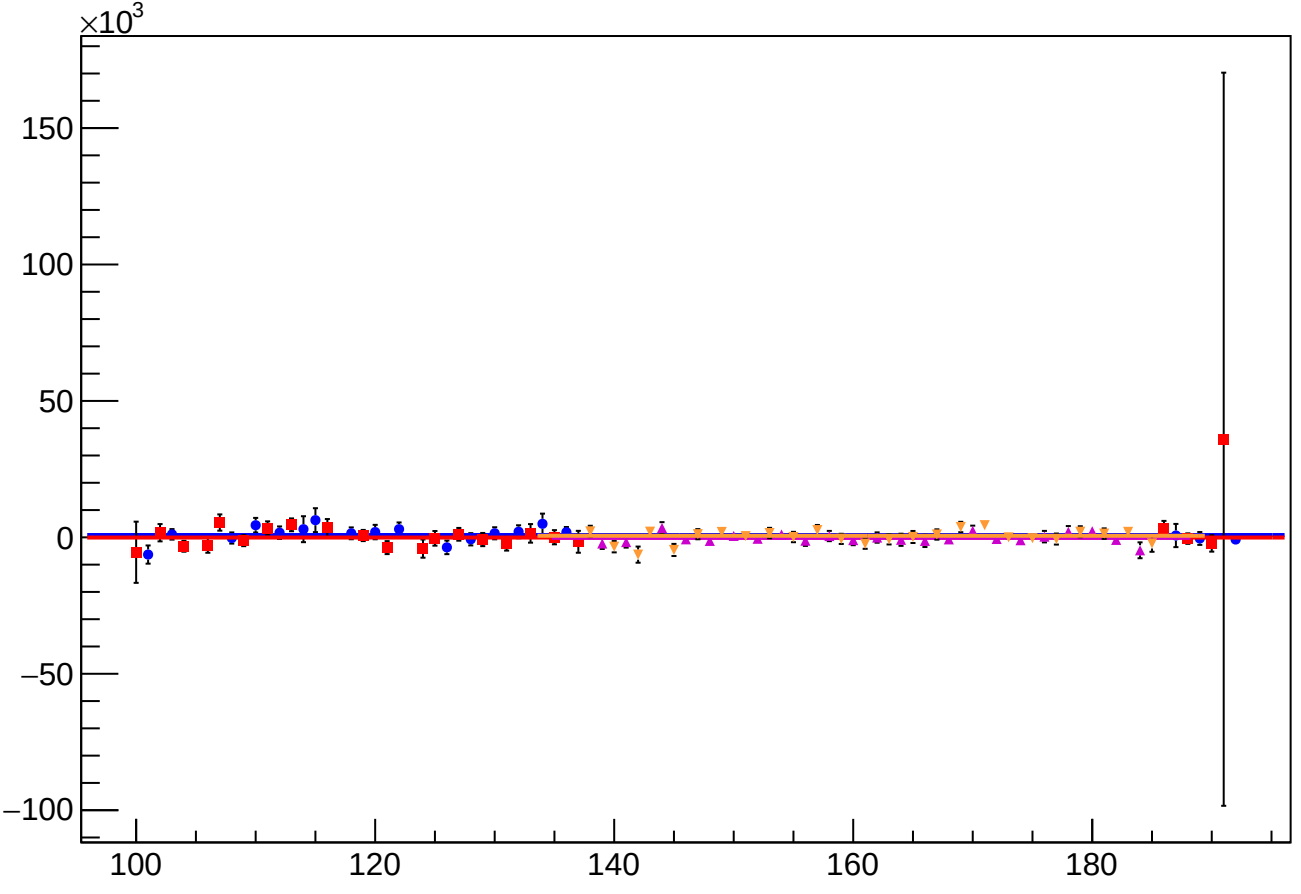
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 936.714+/-0.134 χ^2/NDF: 7324627.8/43

All: 941.863+/-0.095 χ^2/NDF: 13432674.0/89

- sign 947.119+/-0.135 χ^2/NDF: 6105060.0/45

eigen_dit_asym_at2_dd_mean vs Slug



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

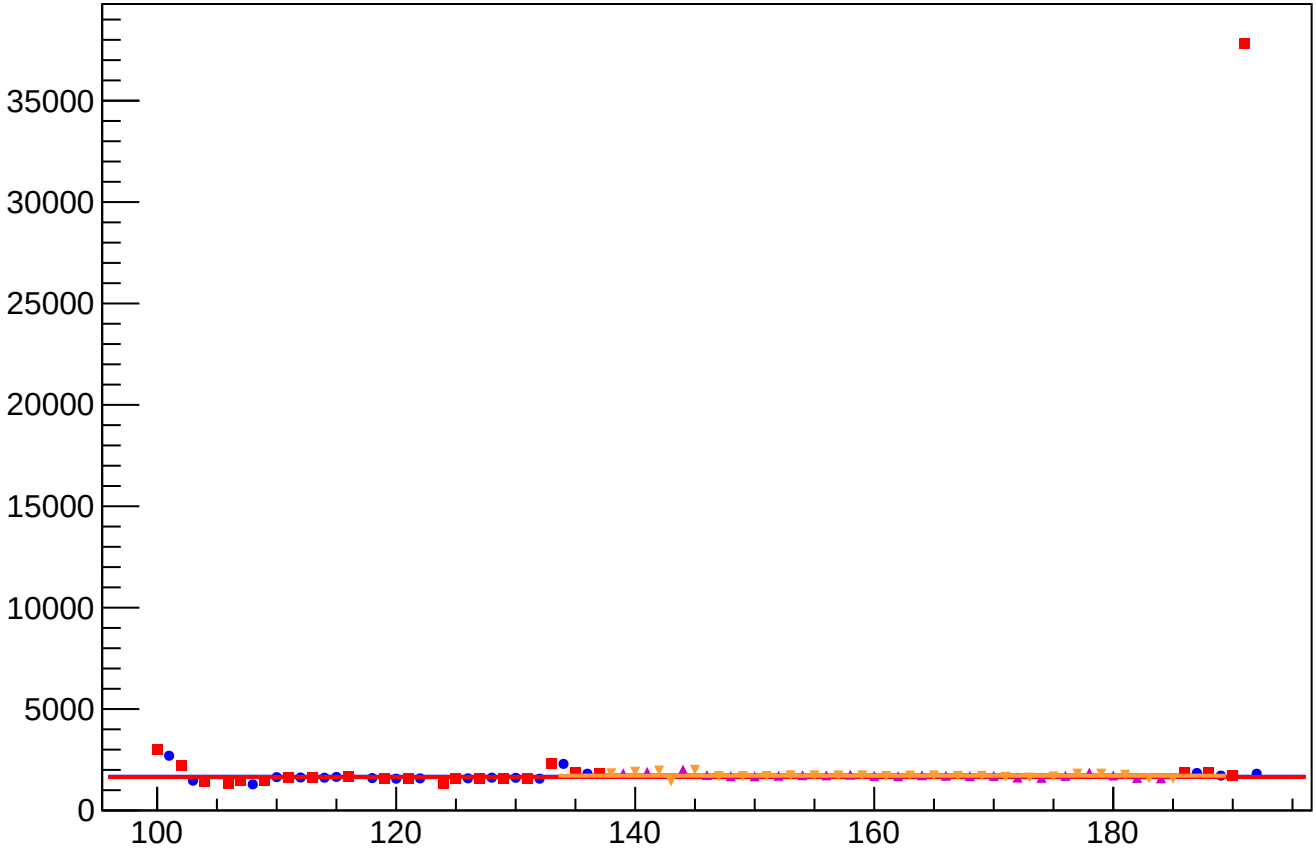
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 669.414+/-320.464 χ^2/NDF: 48.4/43

All: 269.597+/-228.740 χ^2/NDF: 88.6/89

- sign -145.672+/-326.597 χ^2/NDF: 37.0/45

eigen_dit_asym_at2_dd_rms vs Slug



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

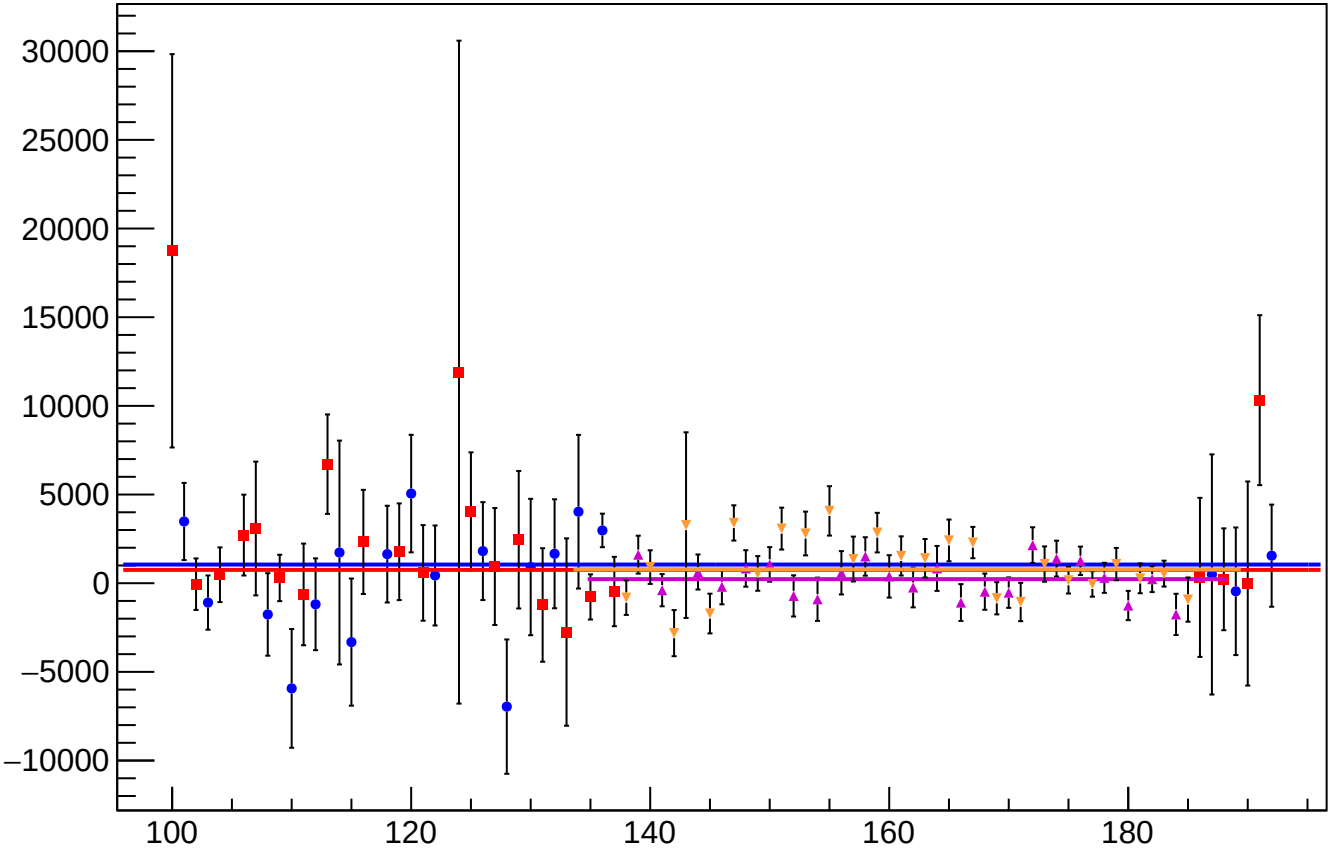
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1695.722+/-0.227 χ^2/NDF: 561470.6/43

All: 1697.611+/-0.162 χ^2/NDF: 1173768.2/89

- sign 1699.573+/-0.231 χ^2/NDF: 612155.9/45

asym_at2_dd_eigen_dit_correction_mean vs Slug



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

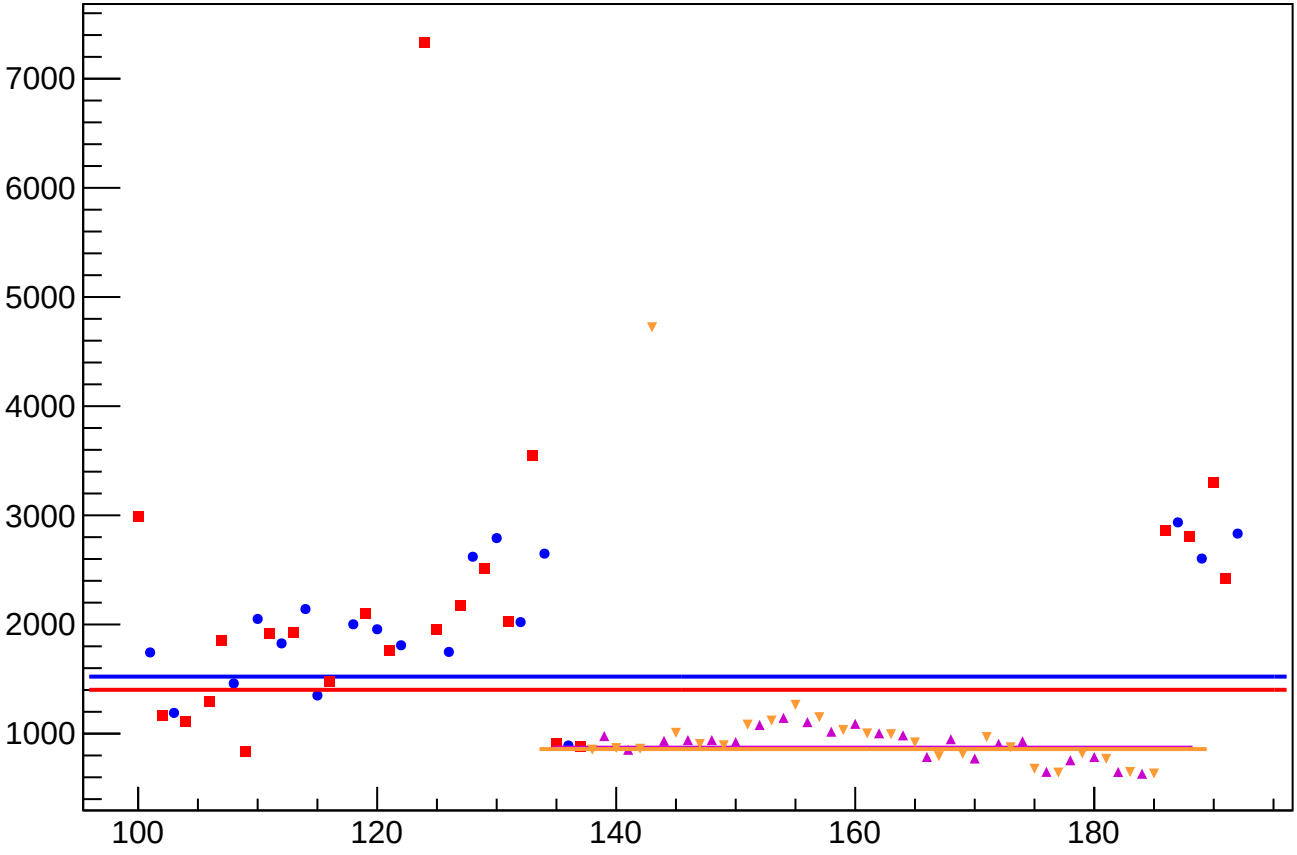
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

\+ sign 811.025+/-189.406 χ^2/NDF: 77.0/43

All: 559.927+/-134.627 χ^2/NDF: 121.7/89

\- sign 303.530+/-191.394 χ^2/NDF: 41.2/45

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1522.480+/-0.390 χ^2/NDF: 2493630.3/18

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1401.477+/-0.358 χ^2/NDF: 3250453.0/22

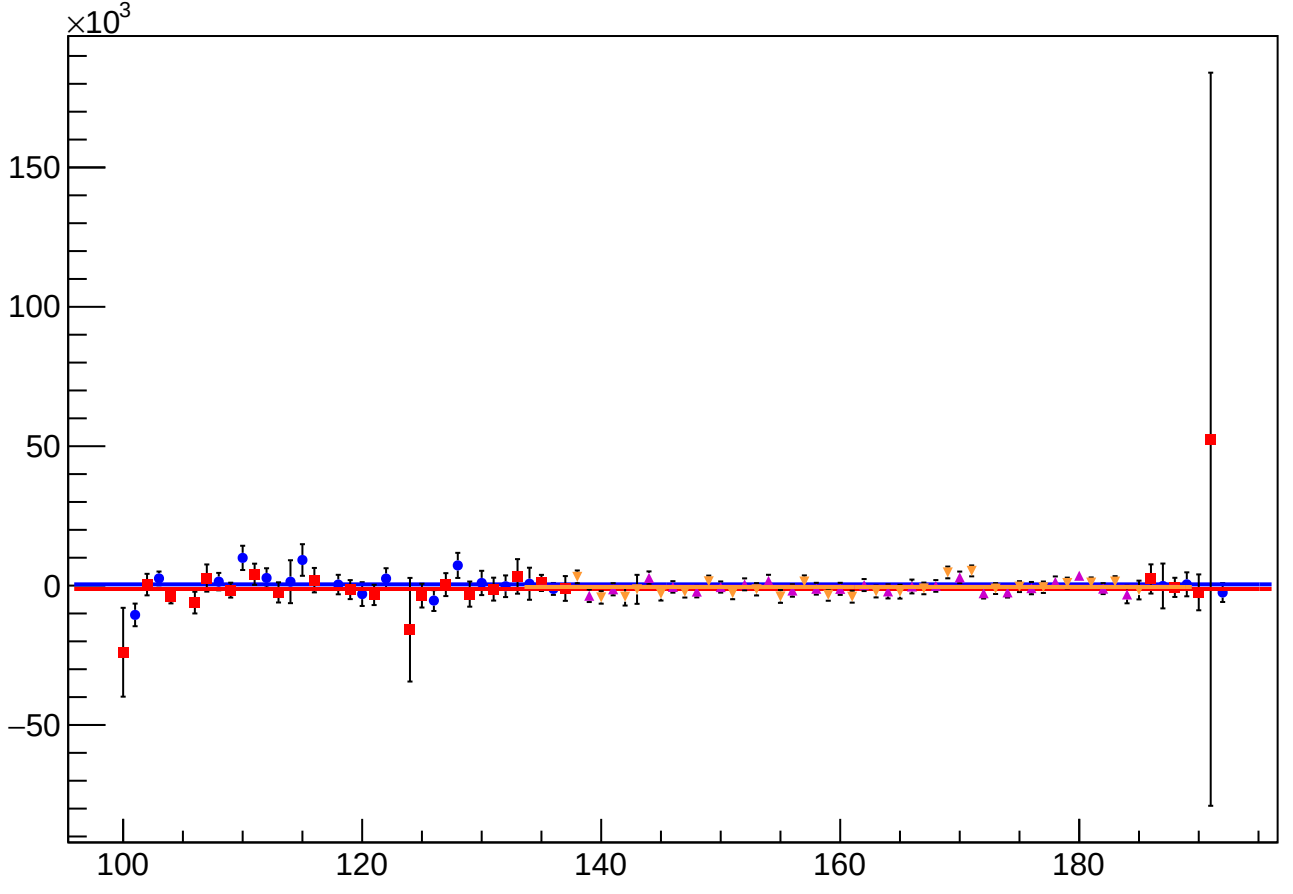
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 936.716+/-0.134 χ^2/NDF: 7324592.6/43

All: 941.863+/-0.095 χ^2/NDF: 13432637.7/89

- sign 947.119+/-0.135 χ^2/NDF: 6105059.5/45

asym_at2_dd_mean vs Slug



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

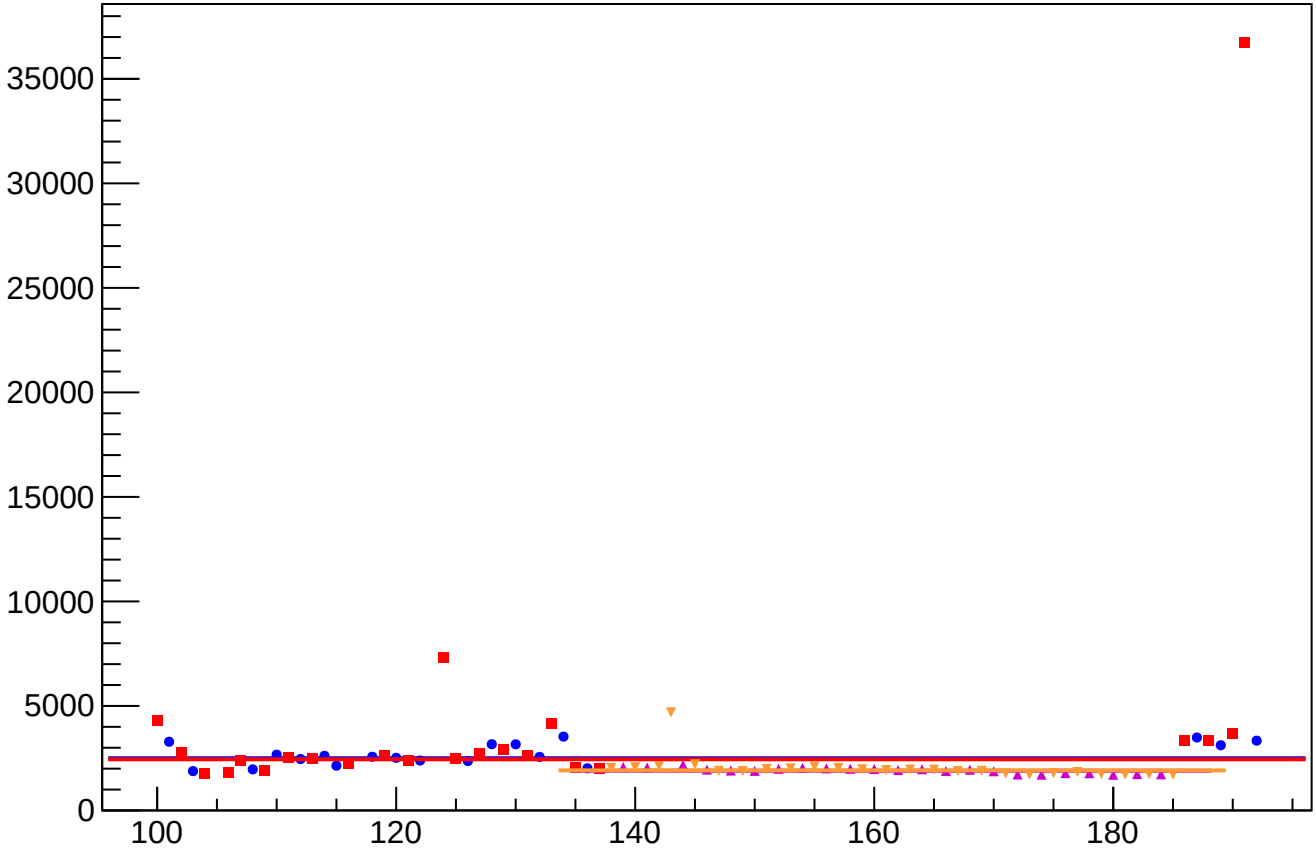
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -304.418+/-391.253 χ^2/NDF: 59.7/43

All: -445.000+/-277.369 χ^2/NDF: 91.1/89

- sign -587.038+/-393.274 χ^2/NDF: 31.1/45

asym_at2_dd_rms vs Slug



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

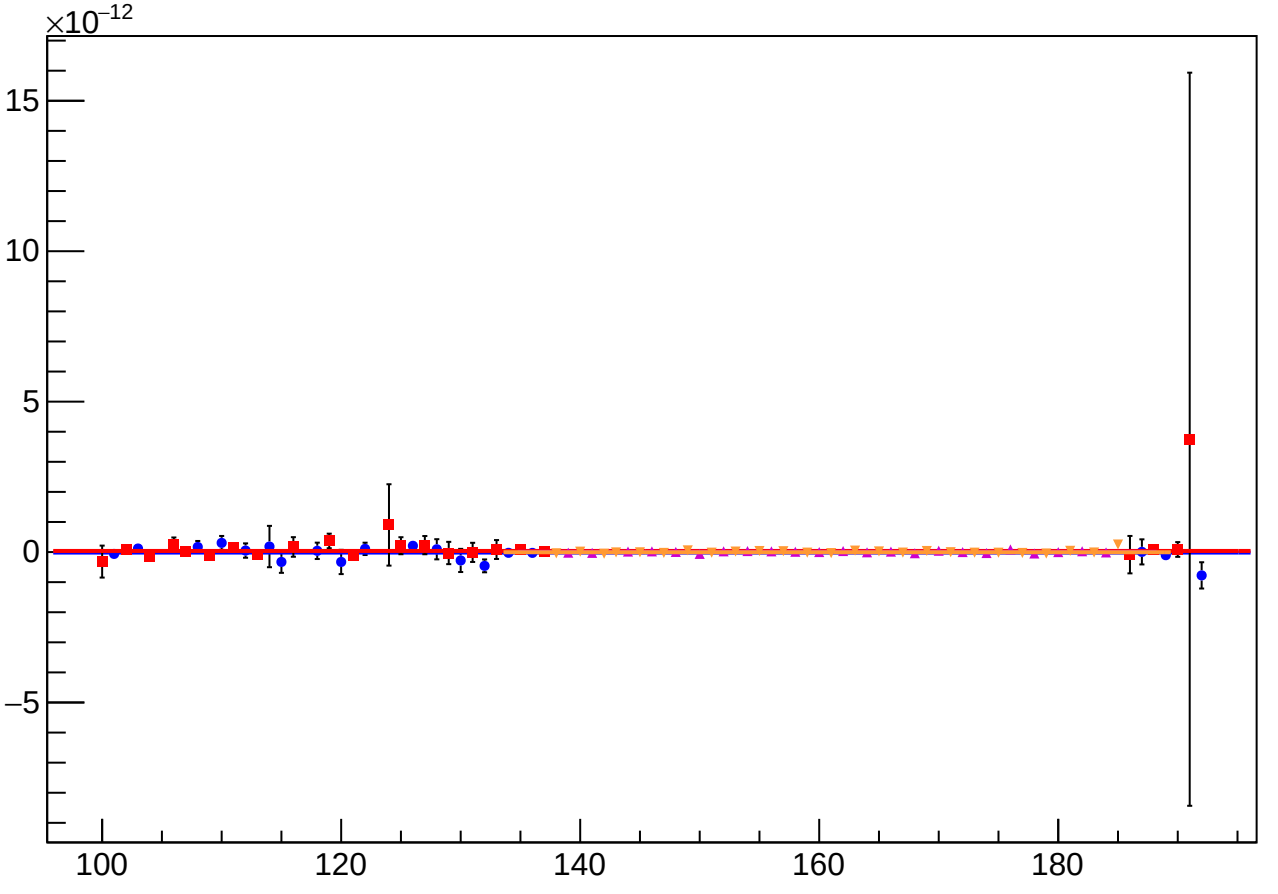
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2038.432+/-0.277 χ^2/NDF: 2211865.7/43

All: 2028.551+/-0.196 χ^2/NDF: 4186684.7/89

- sign 2018.567+/-0.278 χ^2/NDF: 1972254.3/45

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



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

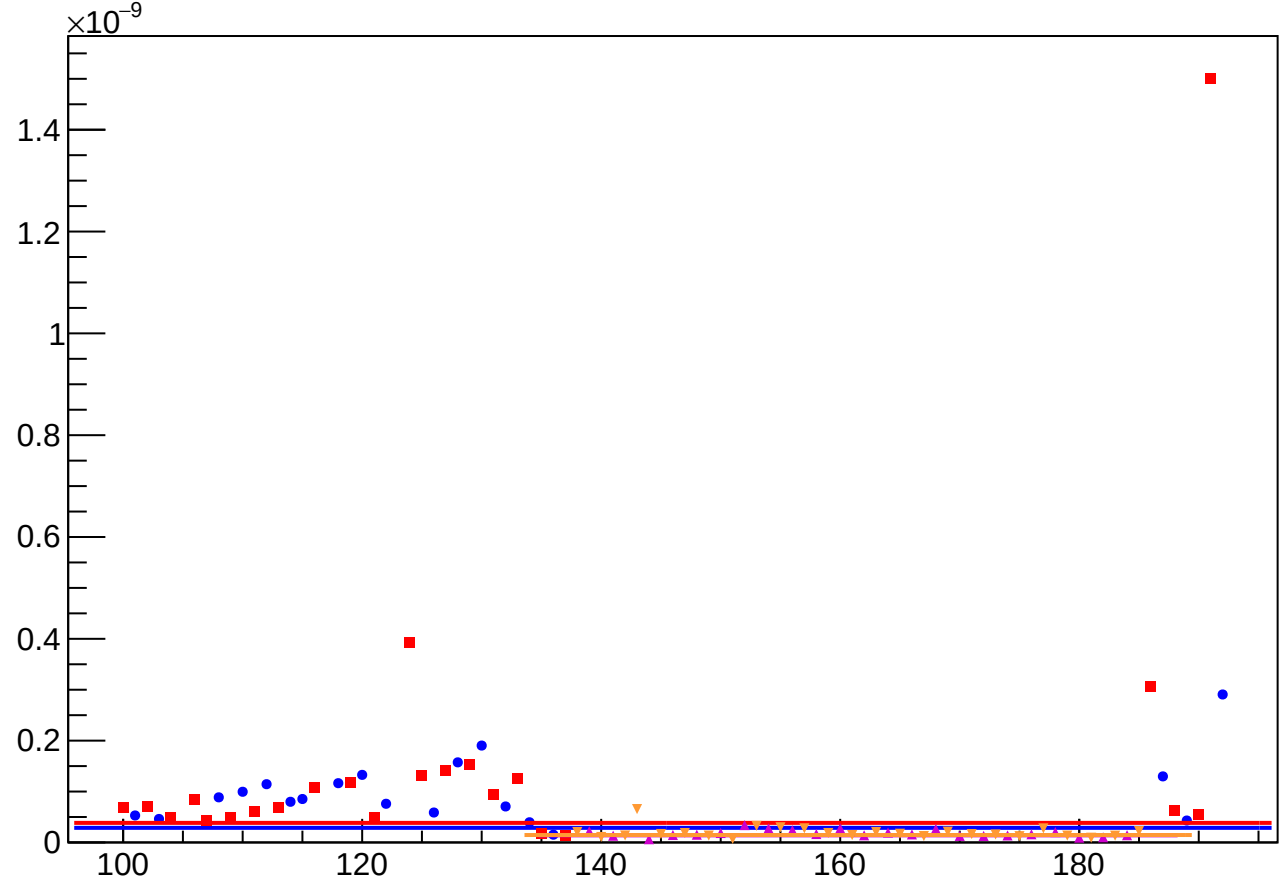
Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.0/43

All: 0.000+/-0.000 χ^2/NDF: 92.3/89

- sign 0.000+/-0.000 χ^2/NDF: 41.8/45

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



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

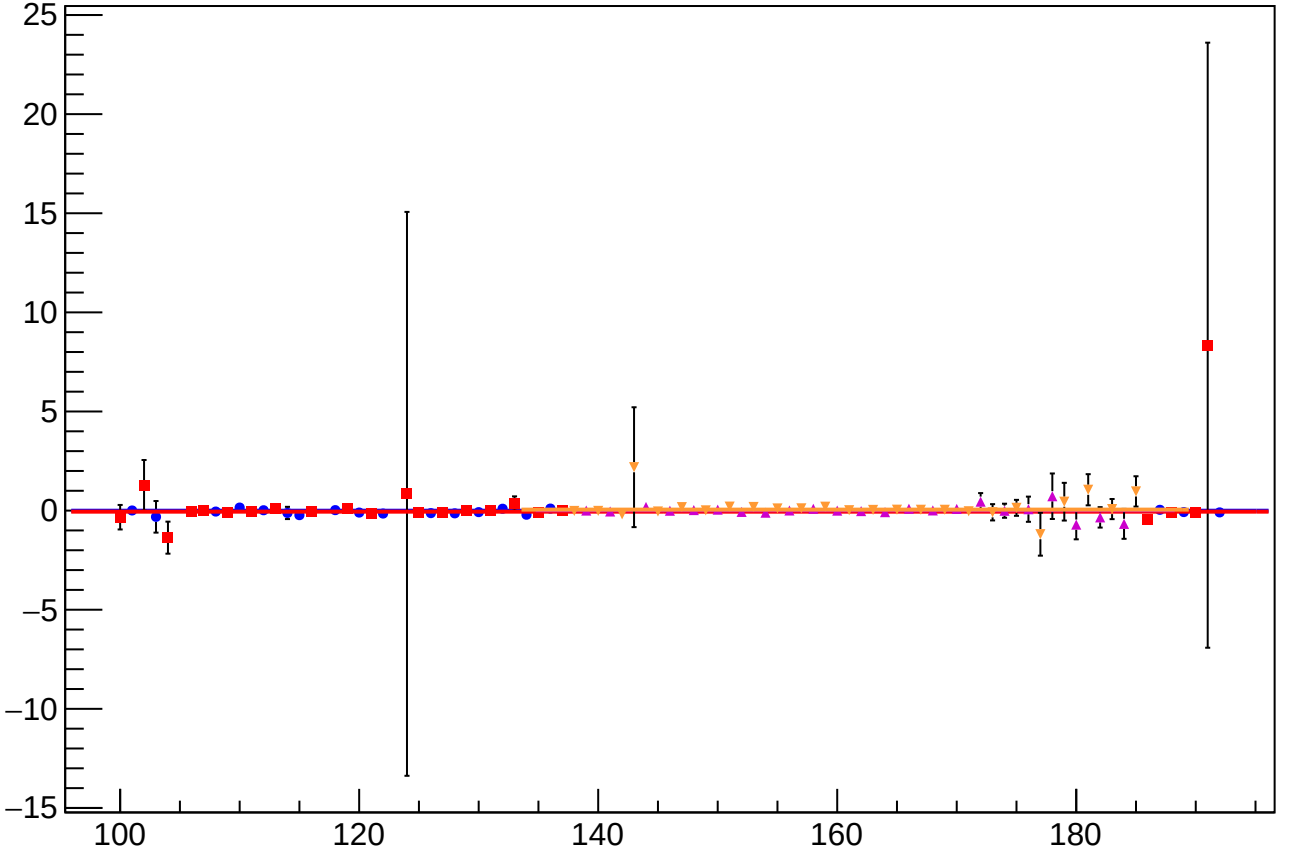
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6242531.4/43

All: 0.000+/-0.000 χ^2/NDF: 12691144.3/89

- sign 0.000+/-0.000 χ^2/NDF: 6441296.9/45

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



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

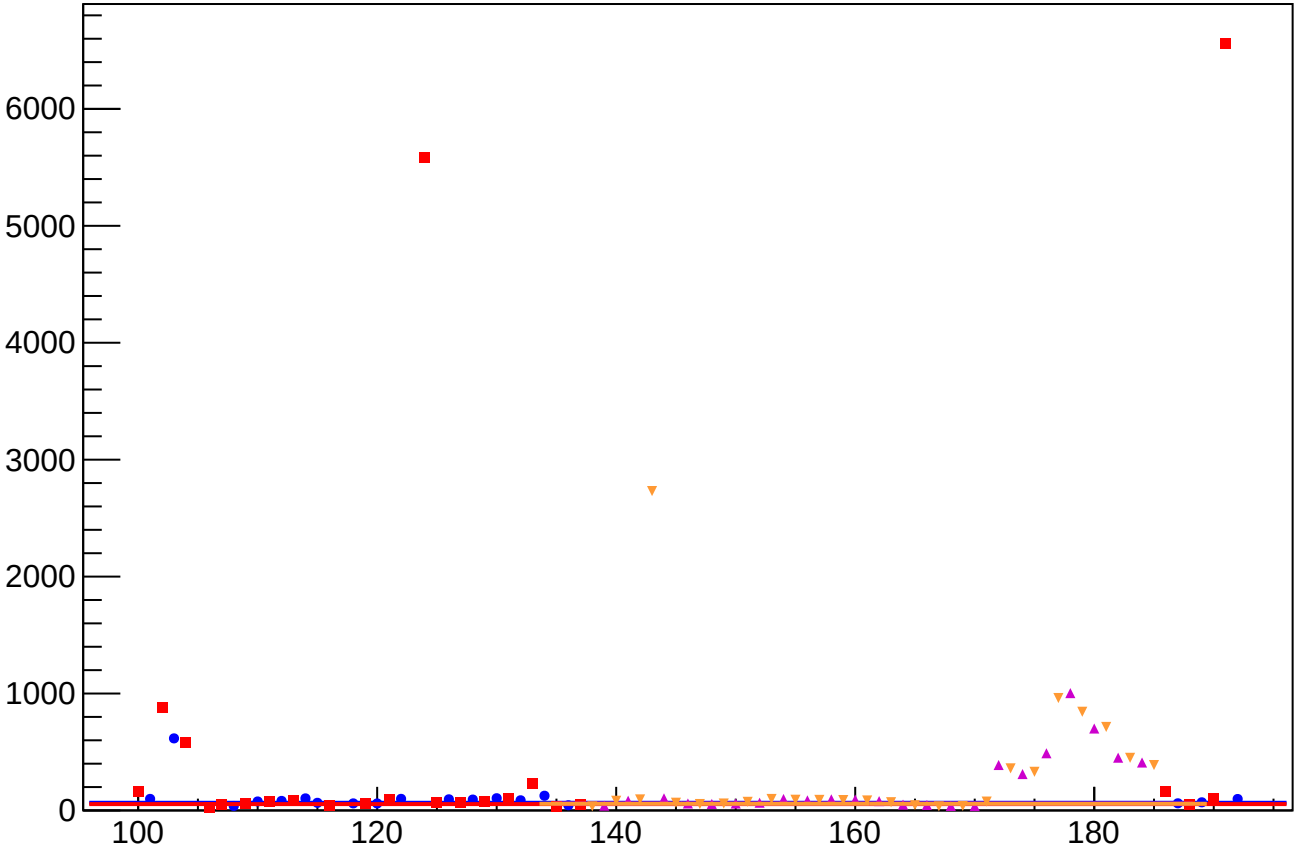
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.4/43

All: 0.012+/-0.010 χ^2/NDF: 84.0/89

- sign -0.007+/-0.014 χ^2/NDF: 37.6/45

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



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

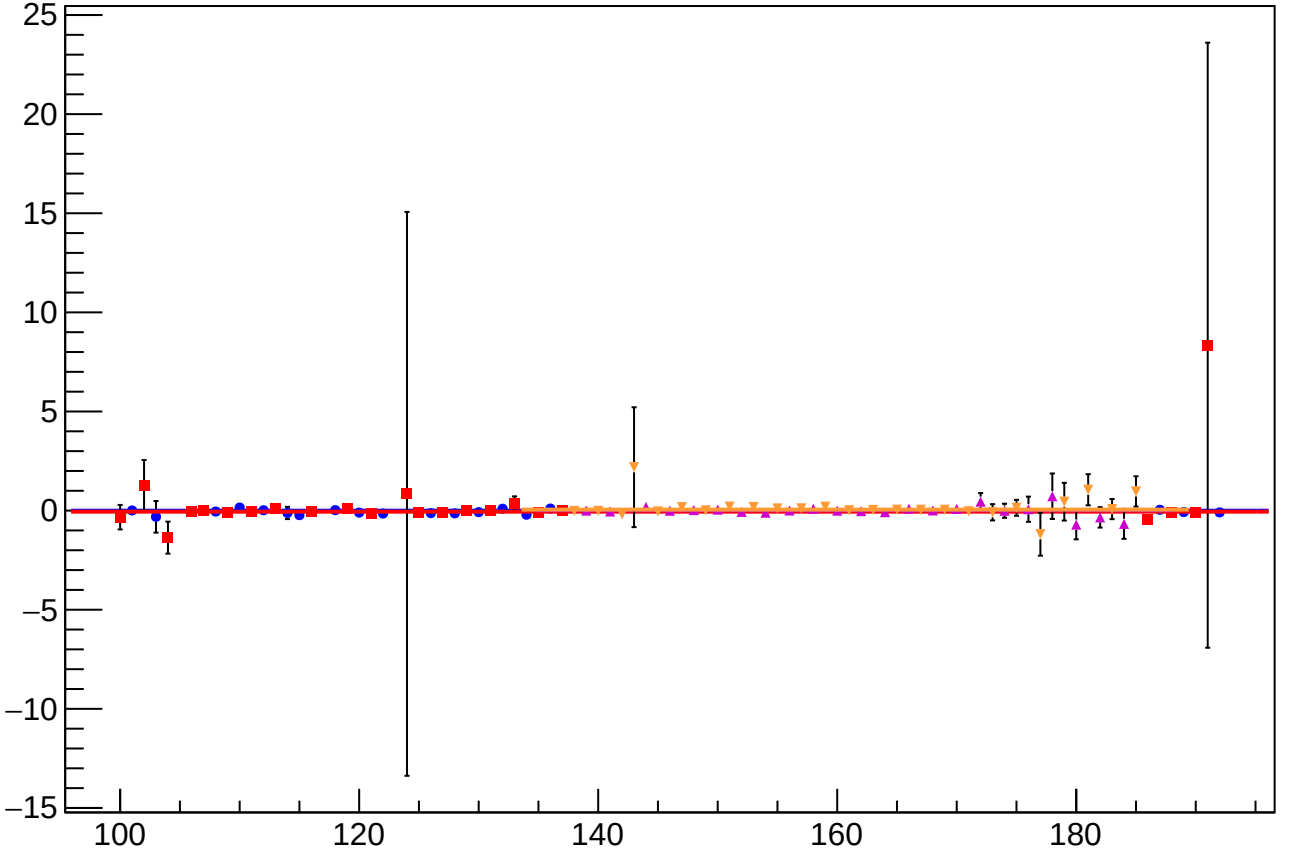
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 59.914+/-0.010 χ^2/NDF: 15122761.1/43

All: 58.422+/-0.007 χ^2/NDF: 30262967.8/89

- sign 57.027+/-0.010 χ^2/NDF: 15096833.7/45

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



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

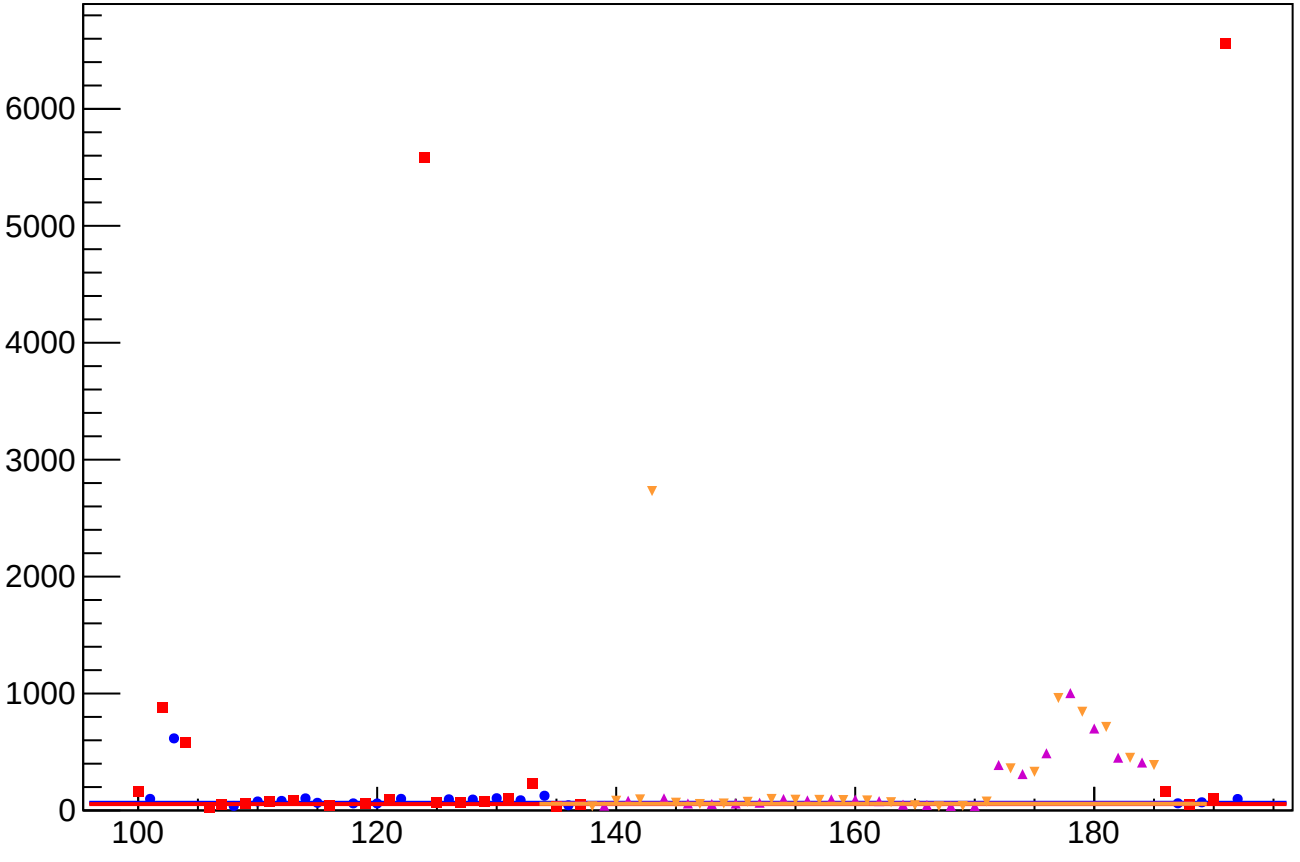
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.4/43

All: 0.012+/-0.010 χ^2/NDF: 84.0/89

- sign -0.007+/-0.014 χ^2/NDF: 37.6/45

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.690+/-0.018 χ^2/NDF: 2646367.6/18

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

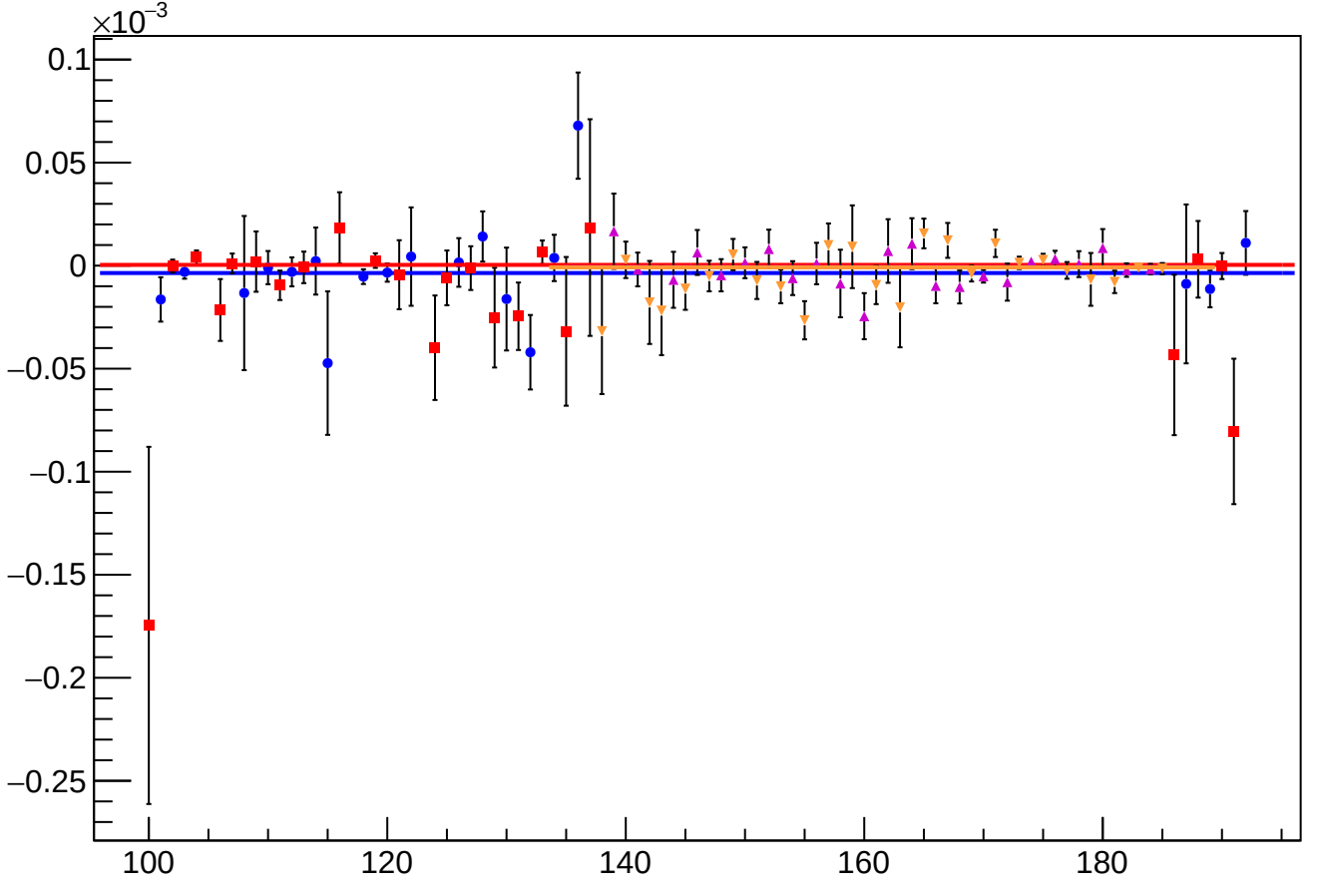
Right Out: 54.348+/-0.016 χ^2/NDF: 4804357.1/22

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 59.914+/-0.010 χ^2/NDF: 15122761.1/43

All: 58.422+/-0.007 χ^2/NDF: 30262967.8/89

- sign 57.027+/-0.010 χ^2/NDF: 15096833.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 20.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

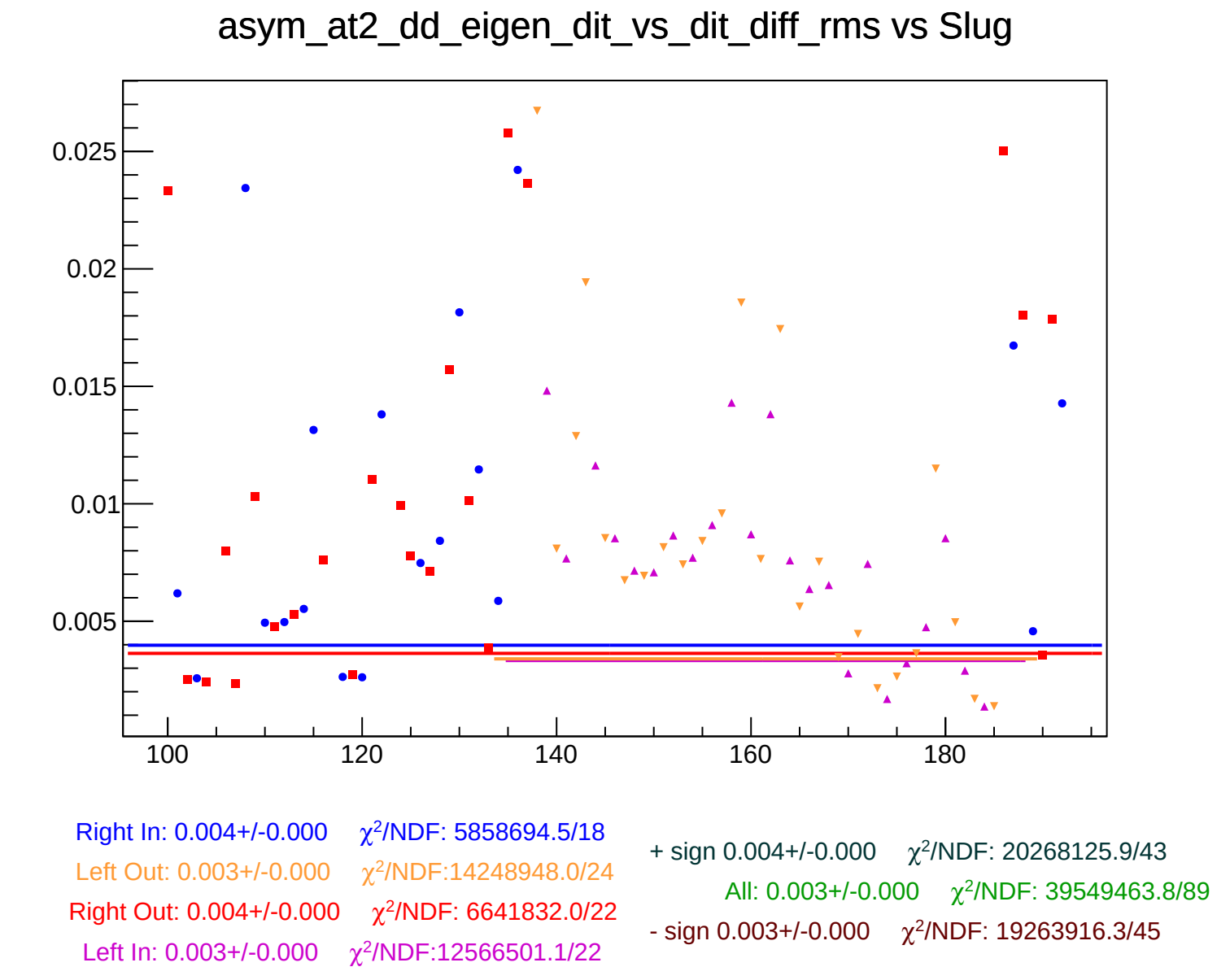
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/22

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

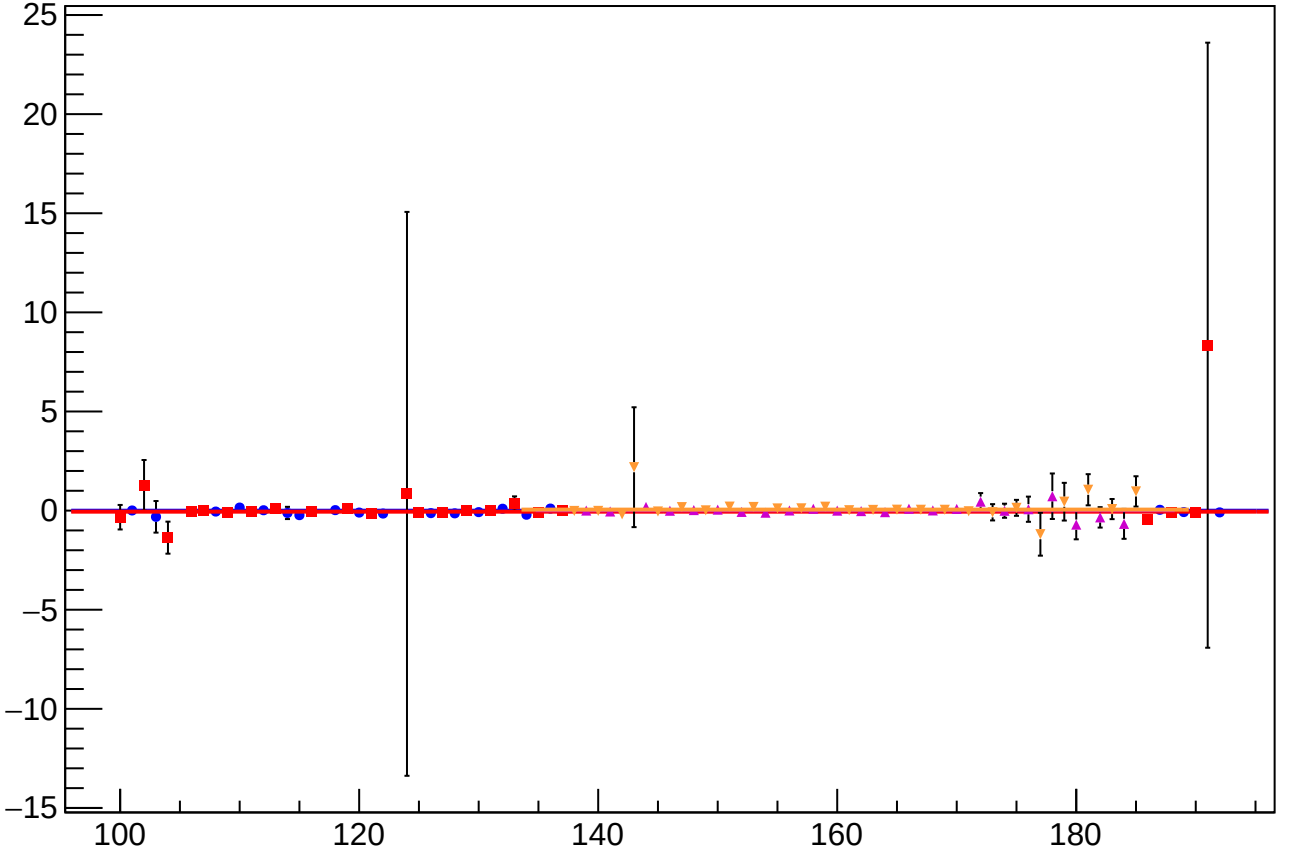
+ sign -0.000+/-0.000 χ^2/NDF: 55.2/43

All: -0.000+/-0.000 χ^2/NDF: 100.9/89

- sign -0.000+/-0.000 χ^2/NDF: 44.9/45


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
Right In: 0.004+/-0.000 χ²/NDF: 5858694.5/18
Left Out: 0.003+/-0.000 χ²/NDF:14248948.0/24
Right Out: 0.004+/-0.000 χ²/NDF: 6641832.0/22
Left In: 0.003+/-0.000 χ²/NDF:12566501.1/22
+ sign 0.004+/-0.000 χ²/NDF: 20268125.9/43
All: 0.003+/-0.000 χ²/NDF: 39549463.8/89
- sign 0.003+/-0.000 χ²/NDF: 19263916.3/45

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

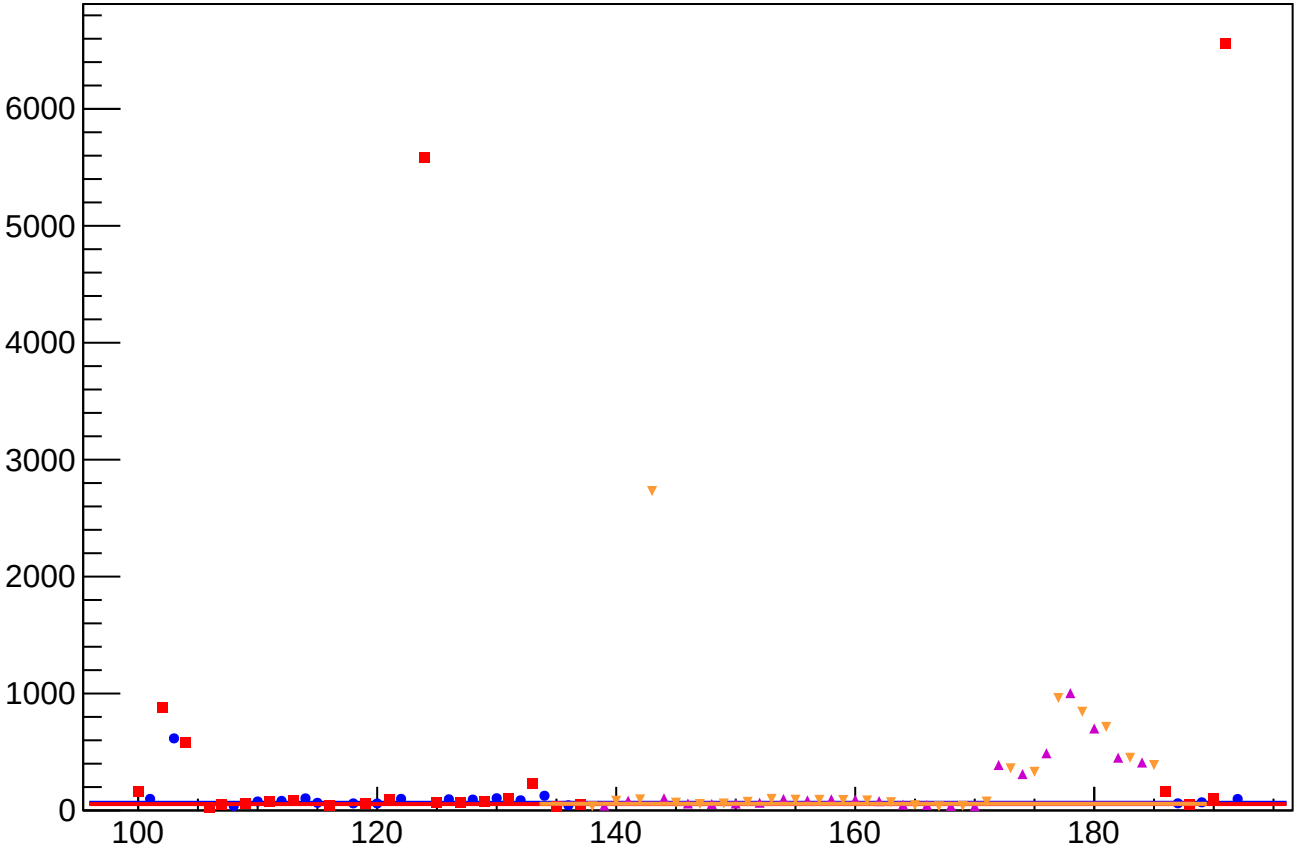
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.4/43

All: 0.012+/-0.010 χ^2/NDF: 84.1/89

- sign -0.007+/-0.014 χ^2/NDF: 37.6/45

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 65.698+/-0.018 χ^2/NDF: 2645276.0/18

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

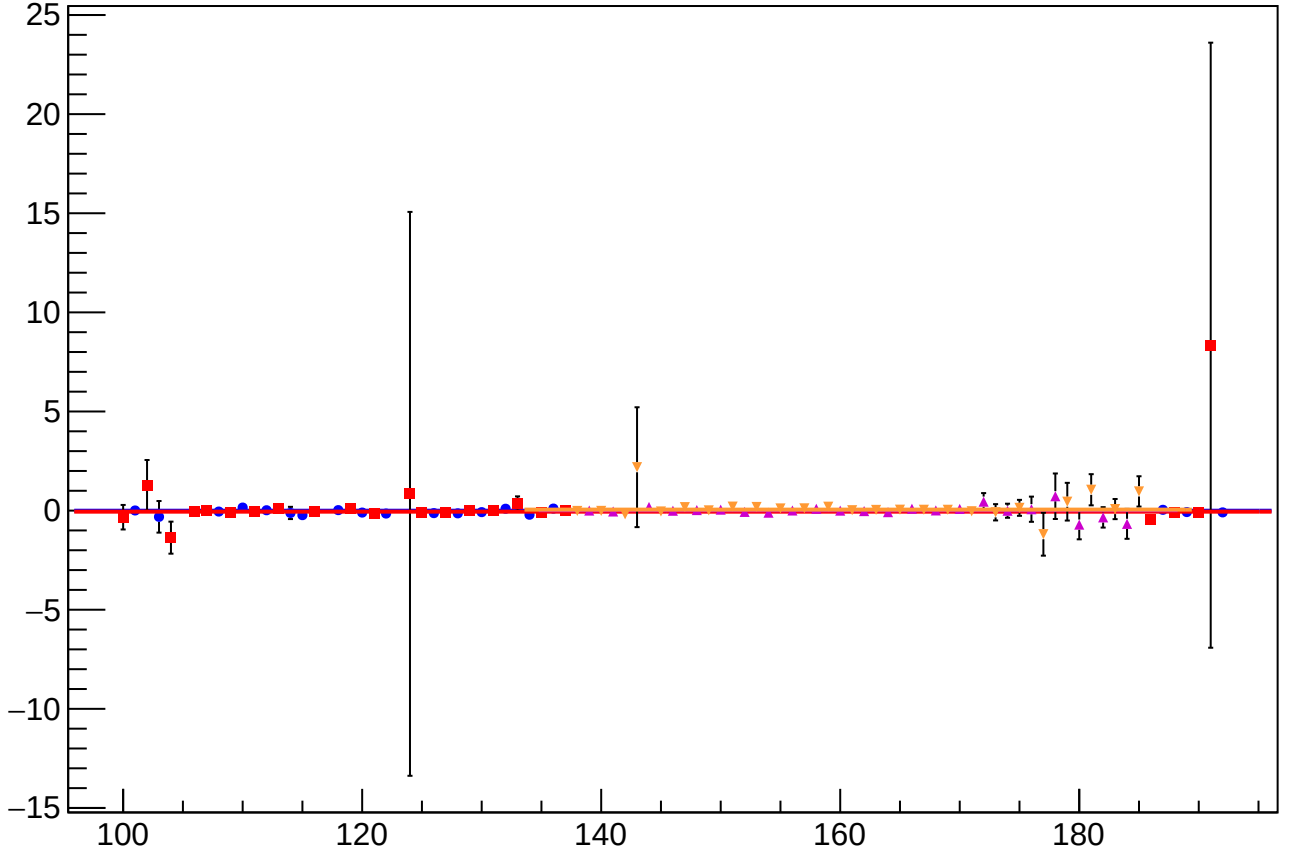
Right Out: 54.342+/-0.016 χ^2/NDF: 4804972.3/22

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 59.915+/-0.010 χ^2/NDF: 15121719.0/43

All: 58.422+/-0.007 χ^2/NDF: 30262246.0/89

- sign 57.026+/-0.010 χ^2/NDF: 15097101.4/45



Right In: -0.006+/-0.025 χ^2/NDF: 14.6/18

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

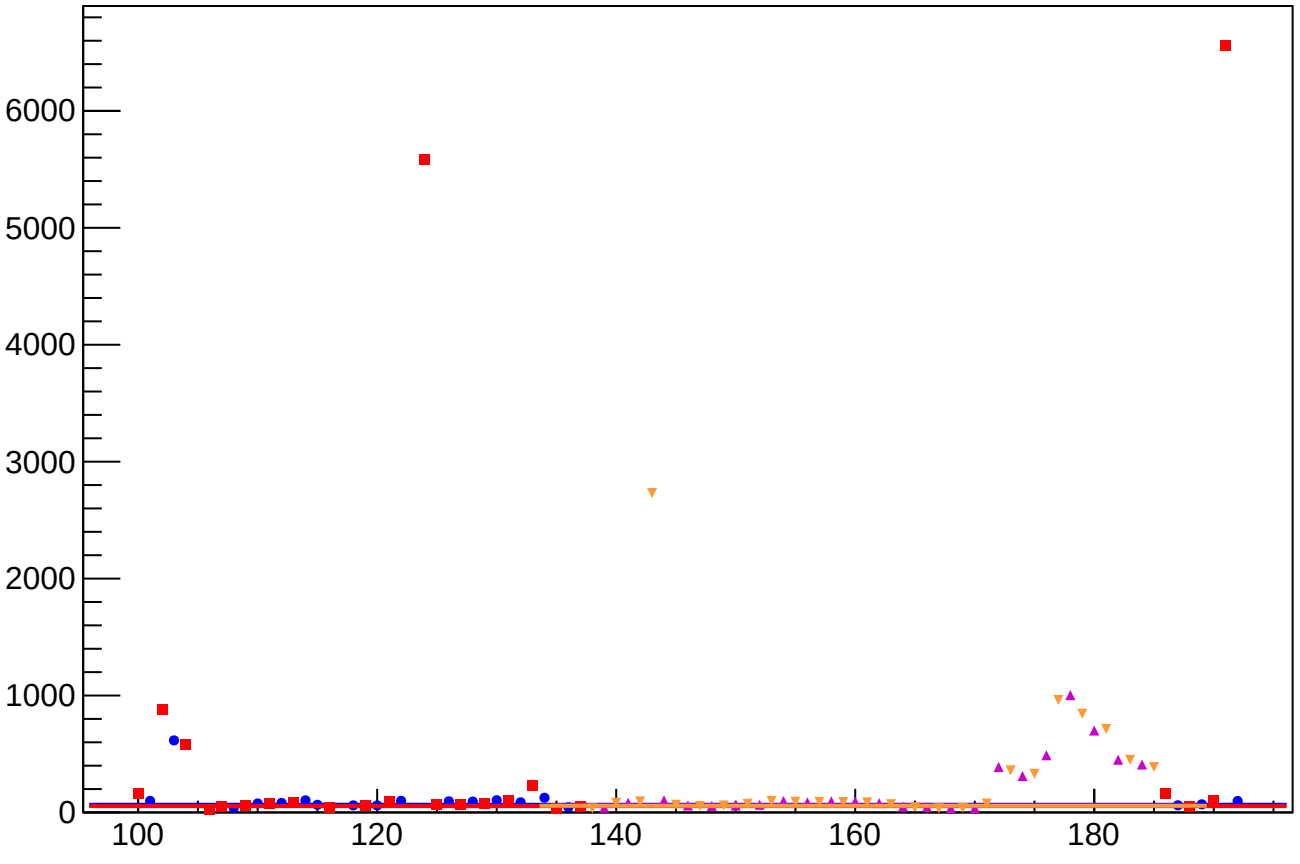
Right Out: -0.053+/-0.022 χ^2/NDF: 15.7/22

Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.4/43

All: 0.012+/-0.010 χ^2/NDF: 84.1/89

- sign -0.007+/-0.014 χ^2/NDF: 37.6/45



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

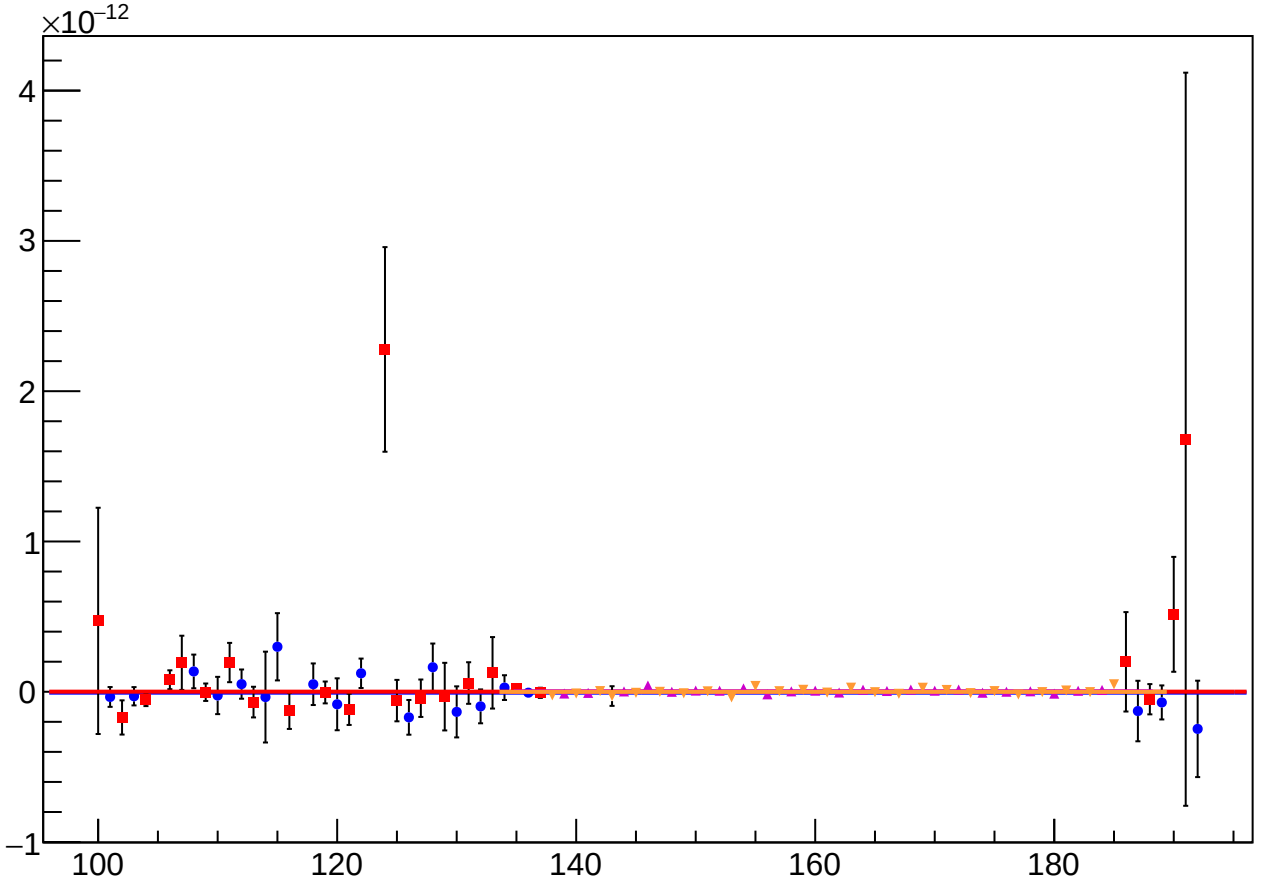
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 59.915+/-0.010 χ^2/NDF: 15121719.0/43

All: 58.422+/-0.007 χ^2/NDF: 30262246.0/89

- sign 57.026+/-0.010 χ^2/NDF: 15097101.4/45

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/22

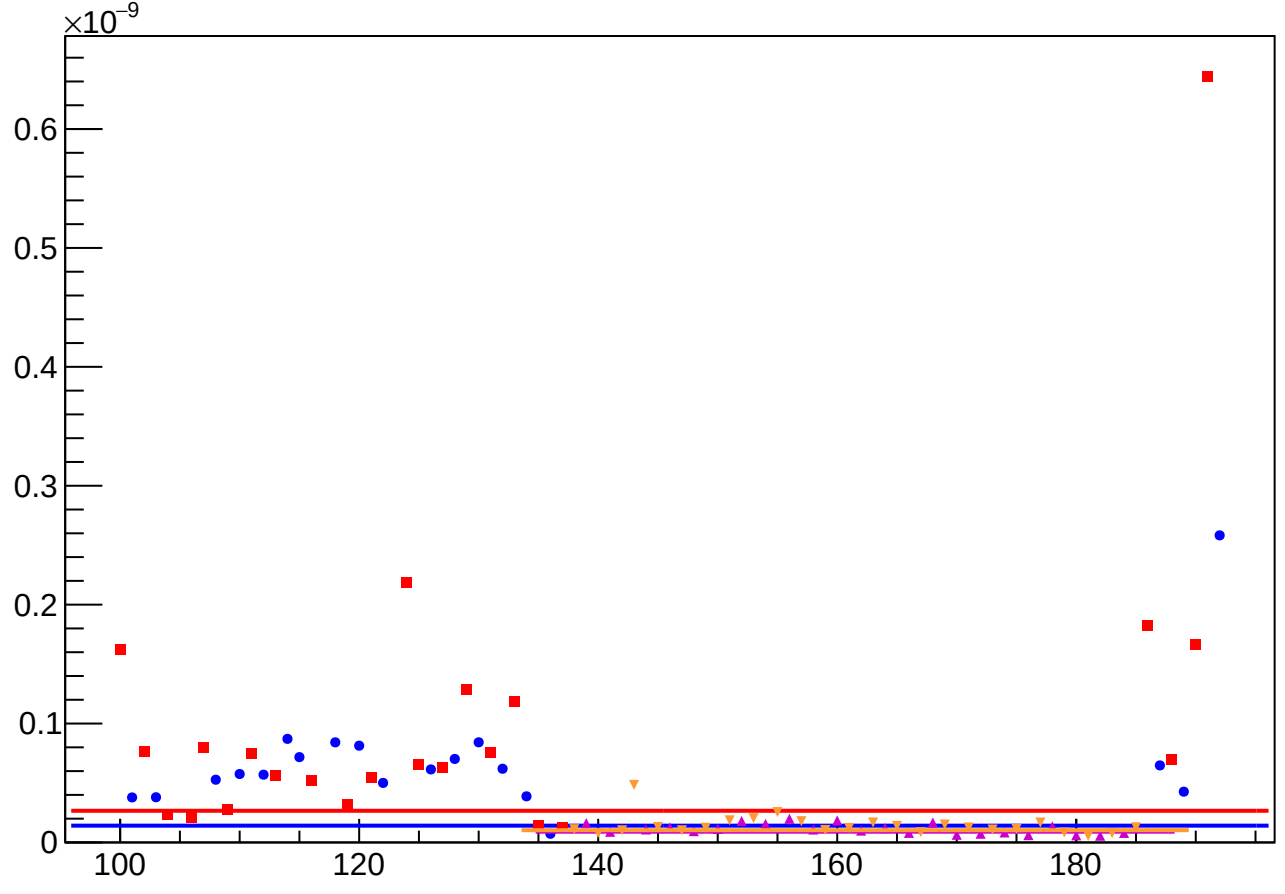
Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.2/43

All: 0.000+/-0.000 χ^2/NDF: 75.5/89

- sign 0.000+/-0.000 χ^2/NDF: 43.4/45

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

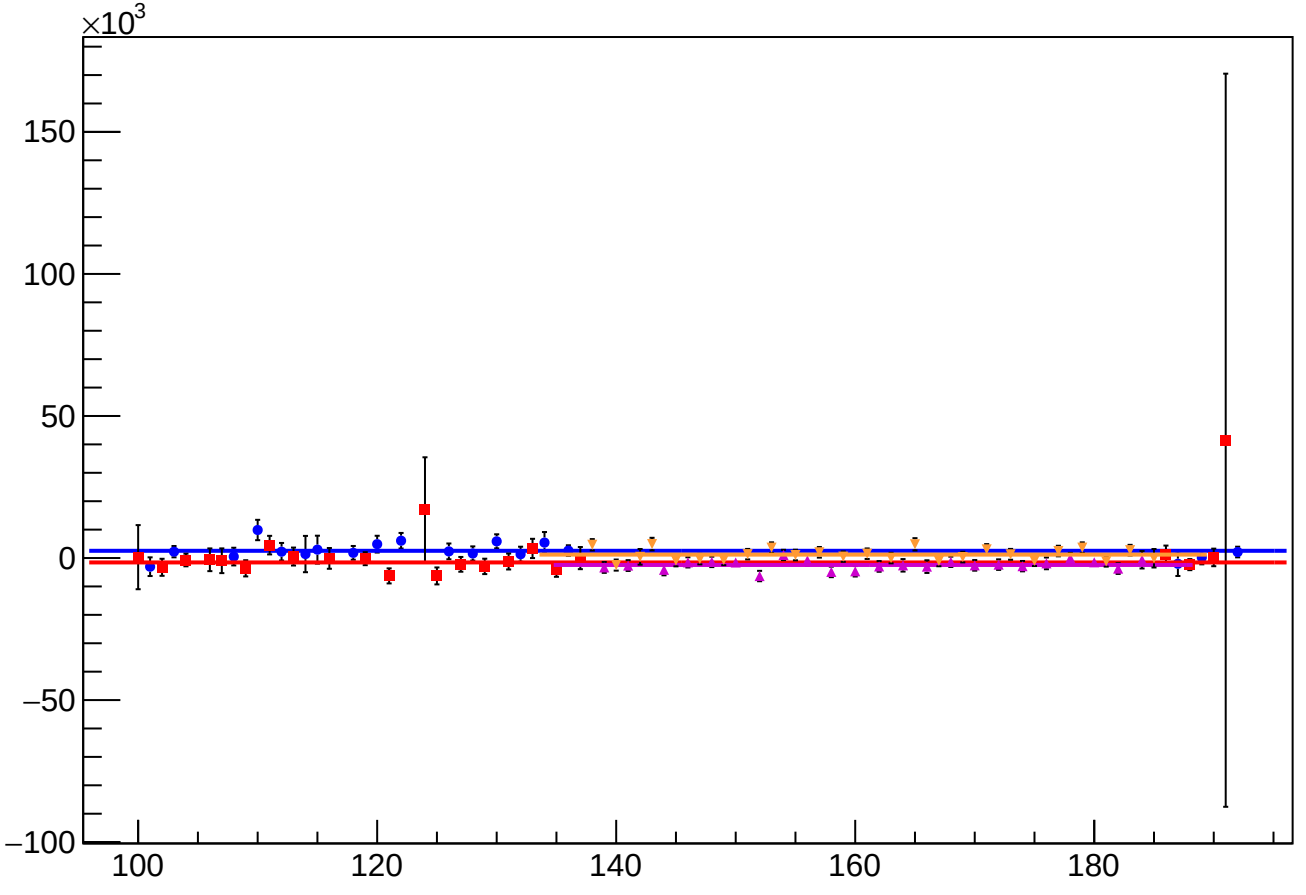
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10314091.8/43

All: 0.000+/-0.000 χ^2/NDF: 21000353.0/89

- sign 0.000+/-0.000 χ^2/NDF: 10571878.2/45

reg_asym_atl1r2_avg_mean vs Slug



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

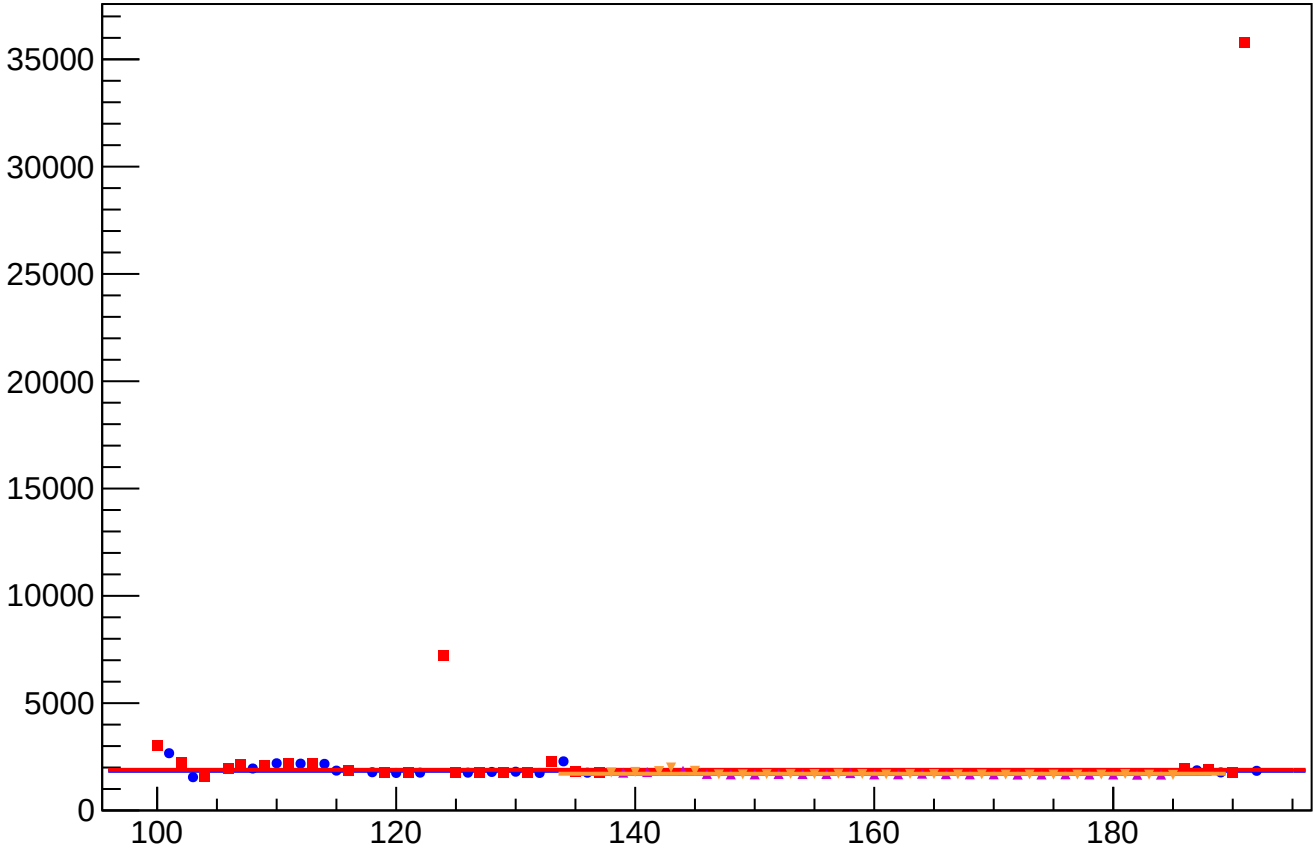
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1579.104+/-330.024 χ^2/NDF: 44.5/43

All: -264.106+/-235.881 χ^2/NDF: 144.5/89

- sign -2189.103+/-337.266 χ^2/NDF: 36.3/45

reg_asym_atl1r2_avg_rms vs Slug



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

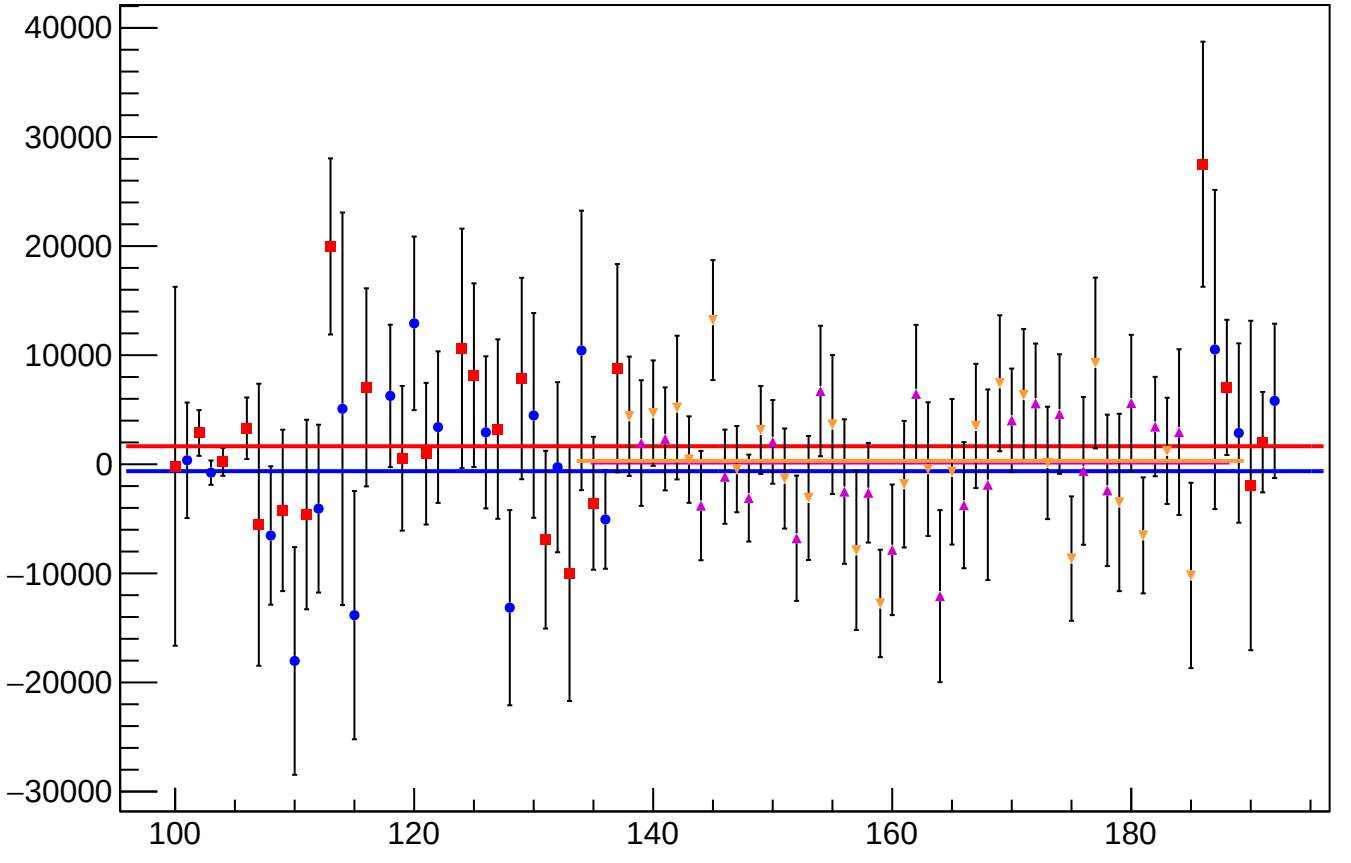
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1750.145+/-0.233 χ^2/NDF: 394773.3/43

All: 1753.557+/-0.167 χ^2/NDF: 1057888.7/89

- sign 1757.117+/-0.238 χ^2/NDF: 662678.5/45

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -632.285+/-945.775 χ^2/NDF: 15.5/18

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1652.710+/-884.735 χ^2/NDF: 20.2/22

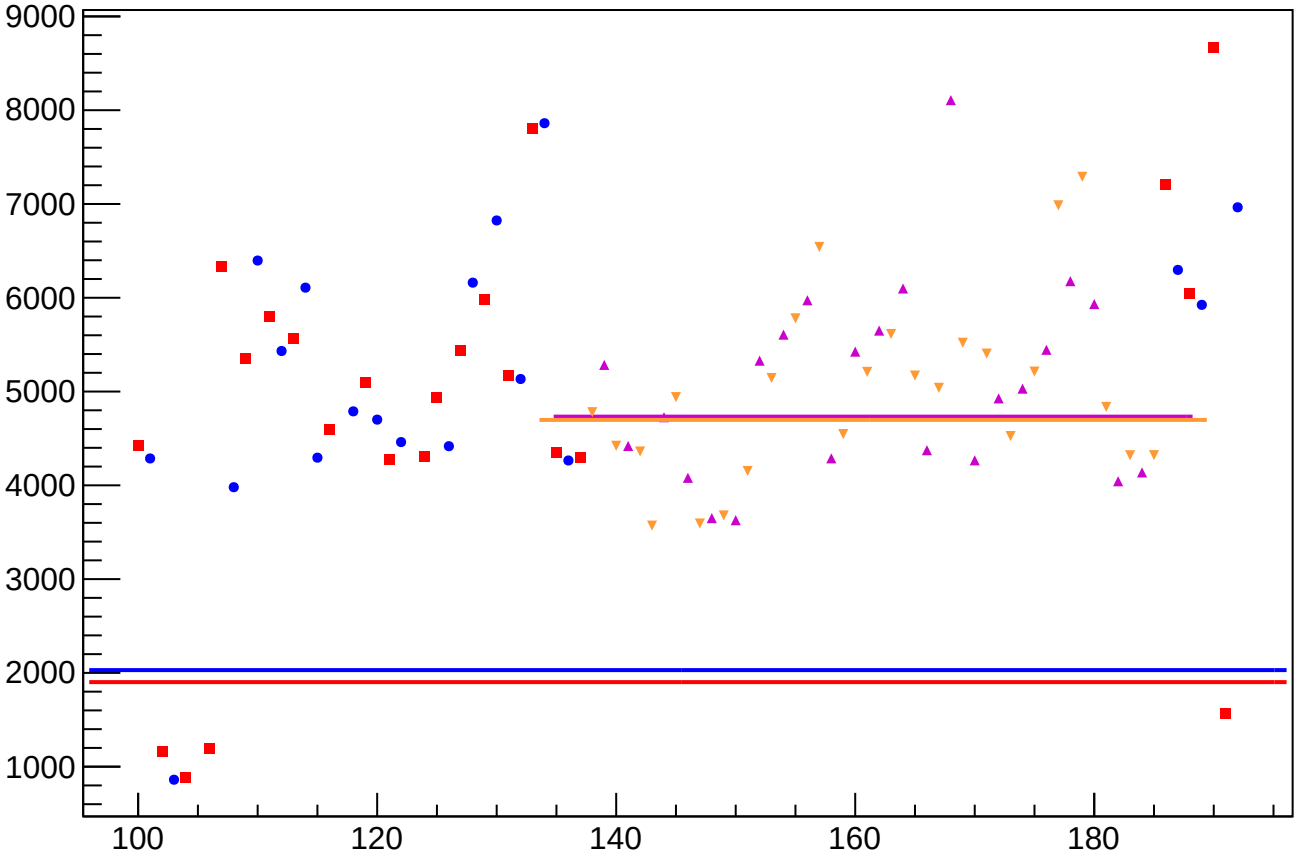
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -226.666+/-714.907 χ^2/NDF: 43.0/43

All: 445.824+/-498.789 χ^2/NDF: 80.7/89

- sign 1083.674+/-696.252 χ^2/NDF: 36.0/45

asym_atl1r2_avg_reg_correction_rms vs Slug



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

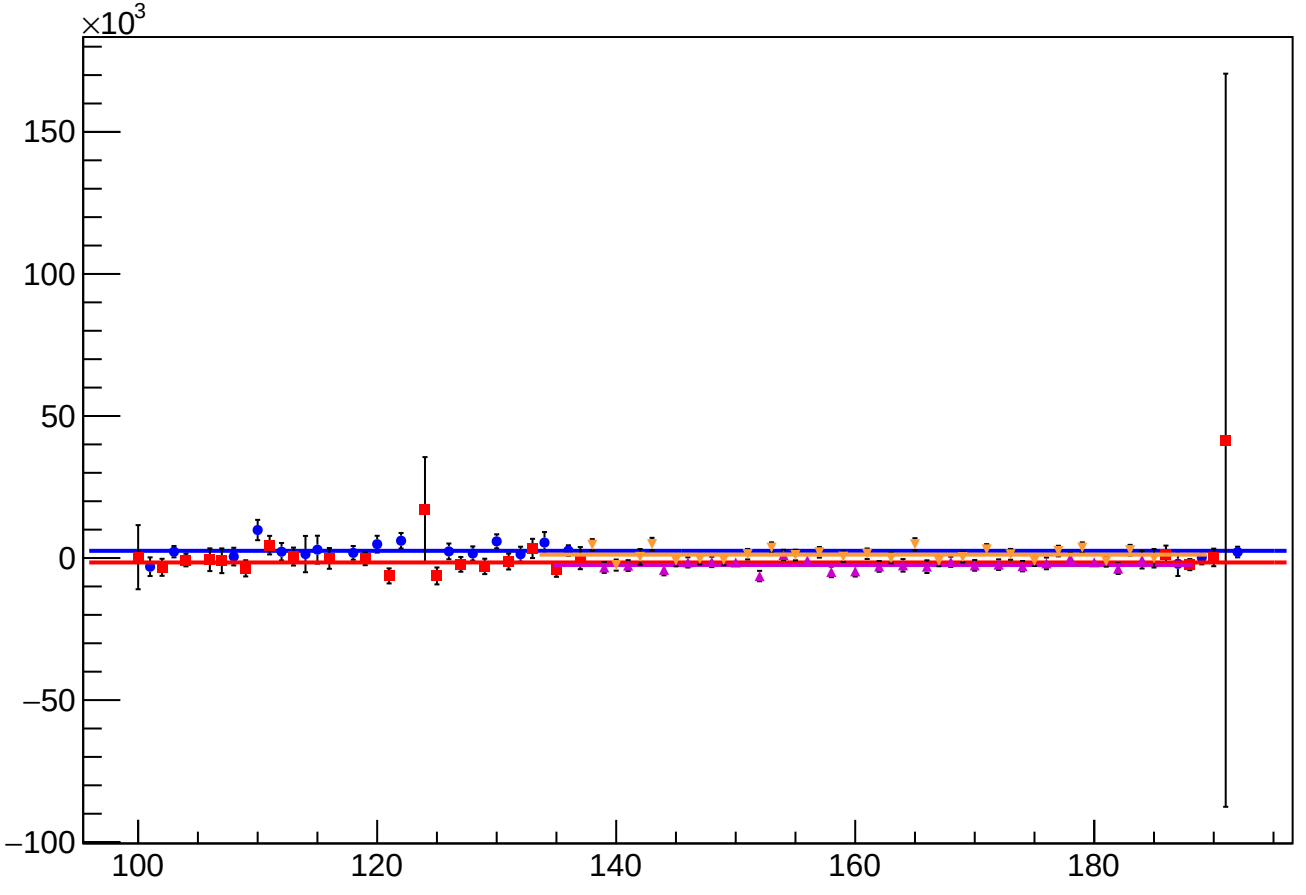
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3173.272+/-0.506 χ^2/NDF: 16560062.3/43

All: 3073.730+/-0.353 χ^2/NDF: 33904644.7/8

- sign 2979.316+/-0.492 χ^2/NDF: 17269031.5/45

cor_asym_atl1r2_avg_mean vs Slug



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

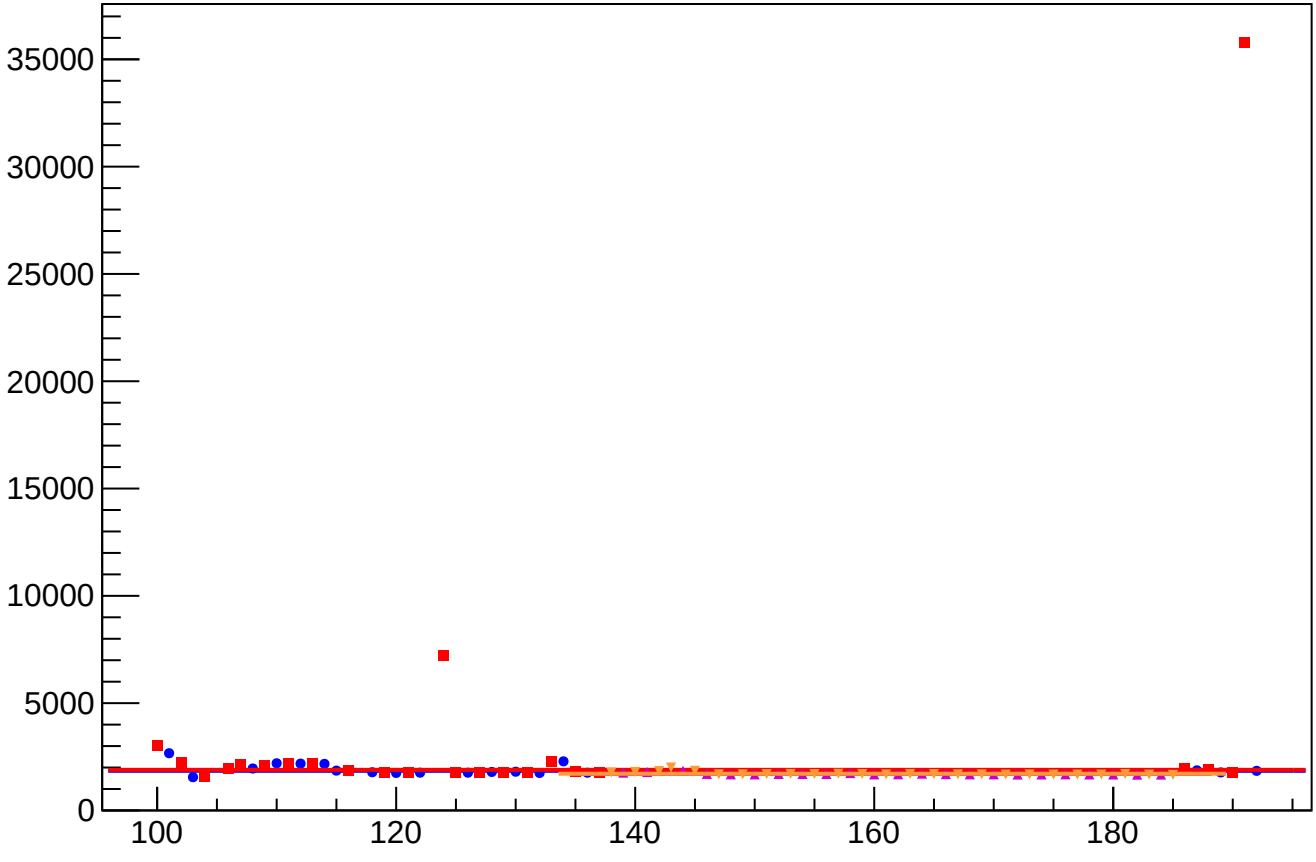
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1579.067+/-330.024 χ^2/NDF: 44.5/43

All: -263.947+/-235.881 χ^2/NDF: 144.5/89

- sign -2188.741+/-337.266 χ^2/NDF: 36.3/45

cor_asym_atl1r2_avg_rms vs Slug



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

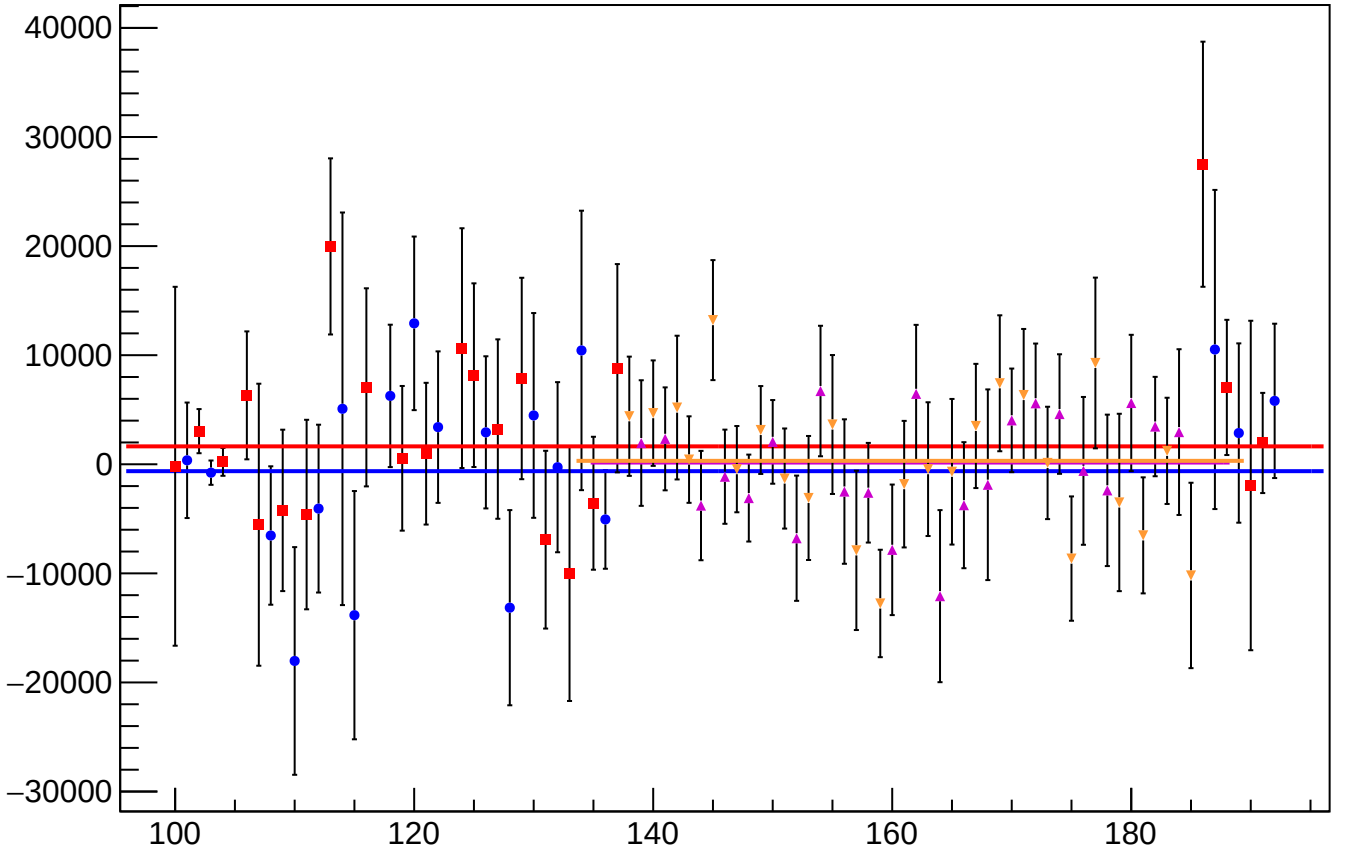
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1750.145+/-0.233 χ^2/NDF: 394773.2/43

All: 1753.601+/-0.167 χ^2/NDF: 1058604.5/89

- sign 1757.208+/-0.238 χ^2/NDF: 663382.9/45

asym_atl1r2_avg_cor_correction_mean vs Slug



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

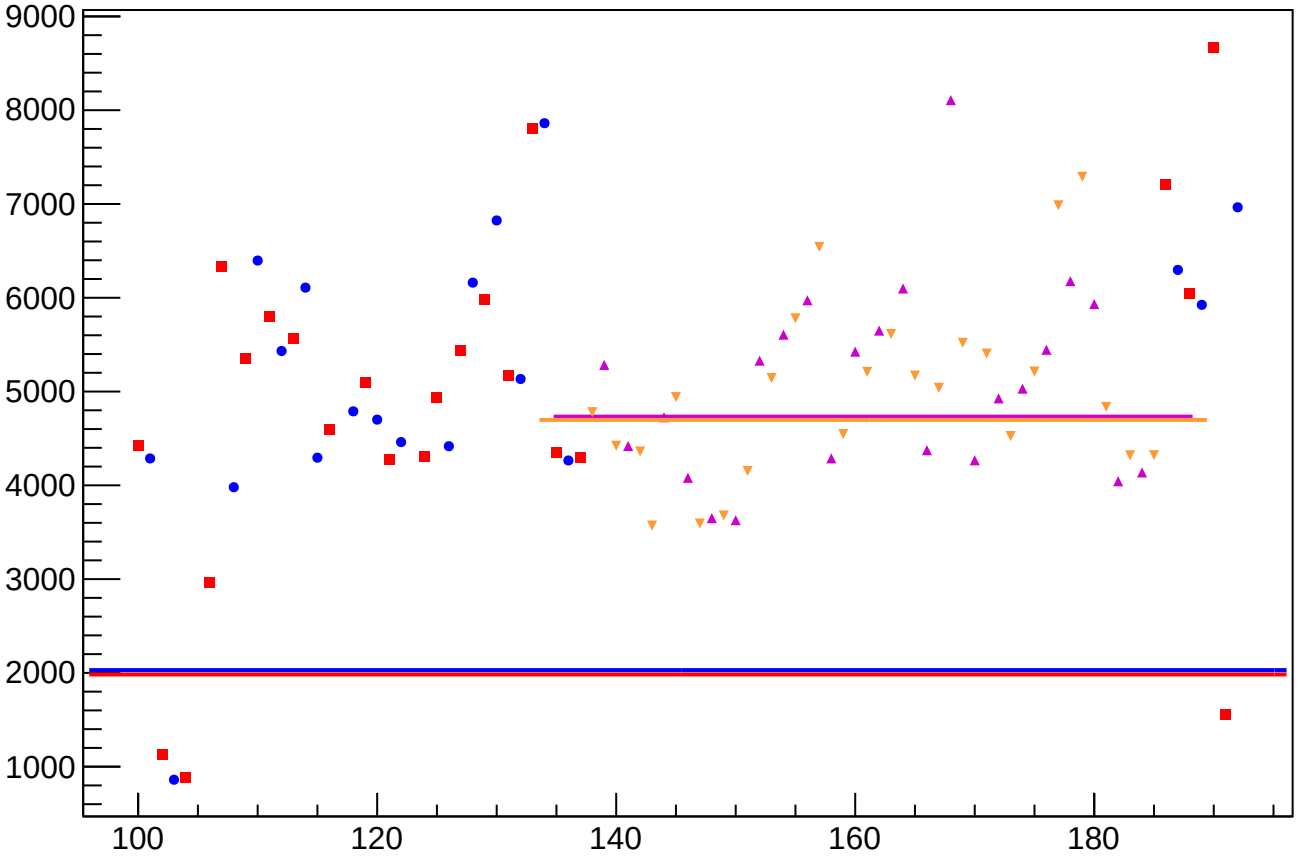
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -226.424+/-714.885 χ^2/NDF: 43.0/43

All: 418.090+/-503.785 χ^2/NDF: 81.0/89

- sign 1053.929+/-710.058 χ^2/NDF: 36.4/45

asym_atl1r2_avg_cor_correction_rms vs Slug



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

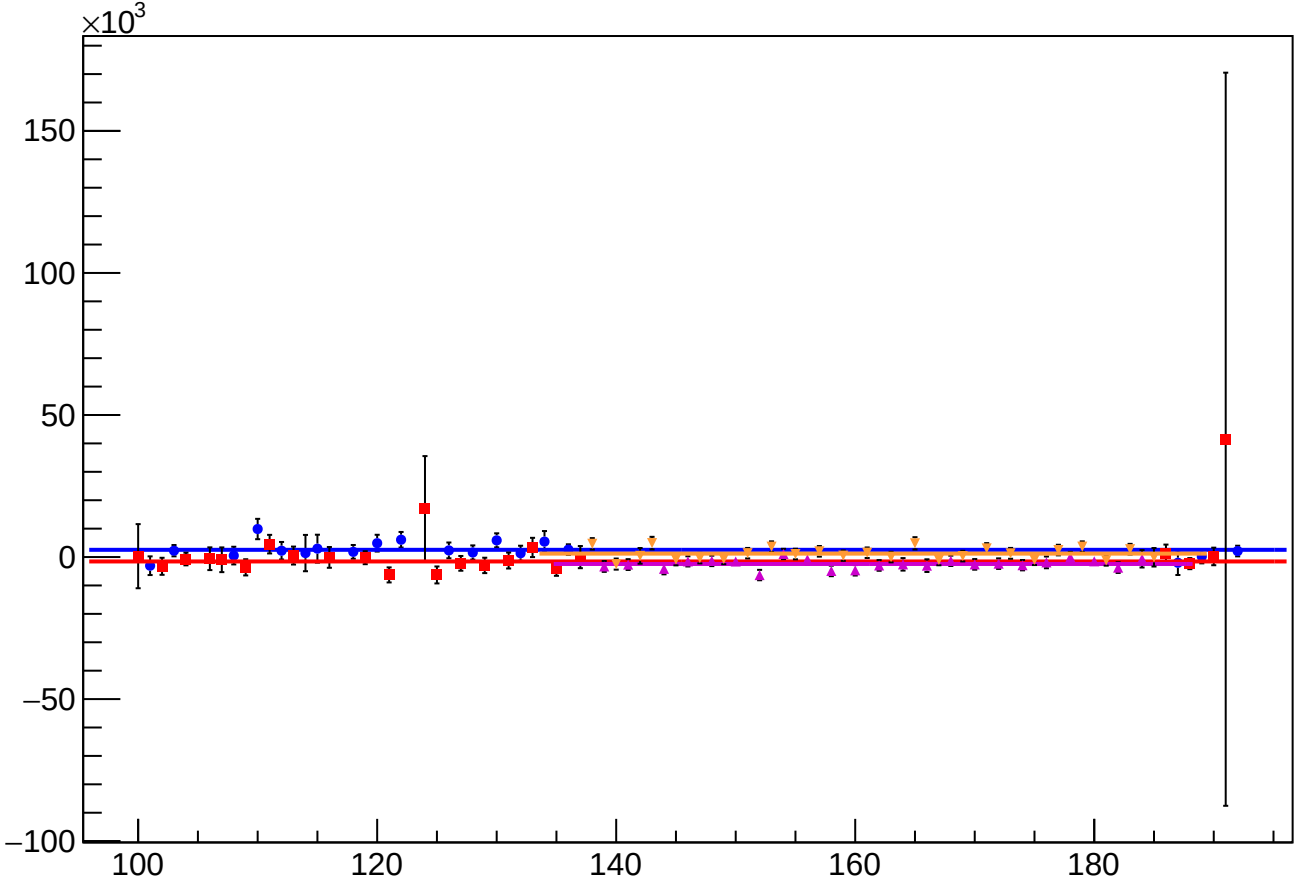
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3173.107+/-0.506 χ^2/NDF: 16561755.1/43

All: 3122.165+/-0.356 χ^2/NDF: 33196556.9/8

- sign 3071.908+/-0.502 χ^2/NDF: 16614626.7/45

eigen_cor_asym_atl1r2_avg_mean vs Slug



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

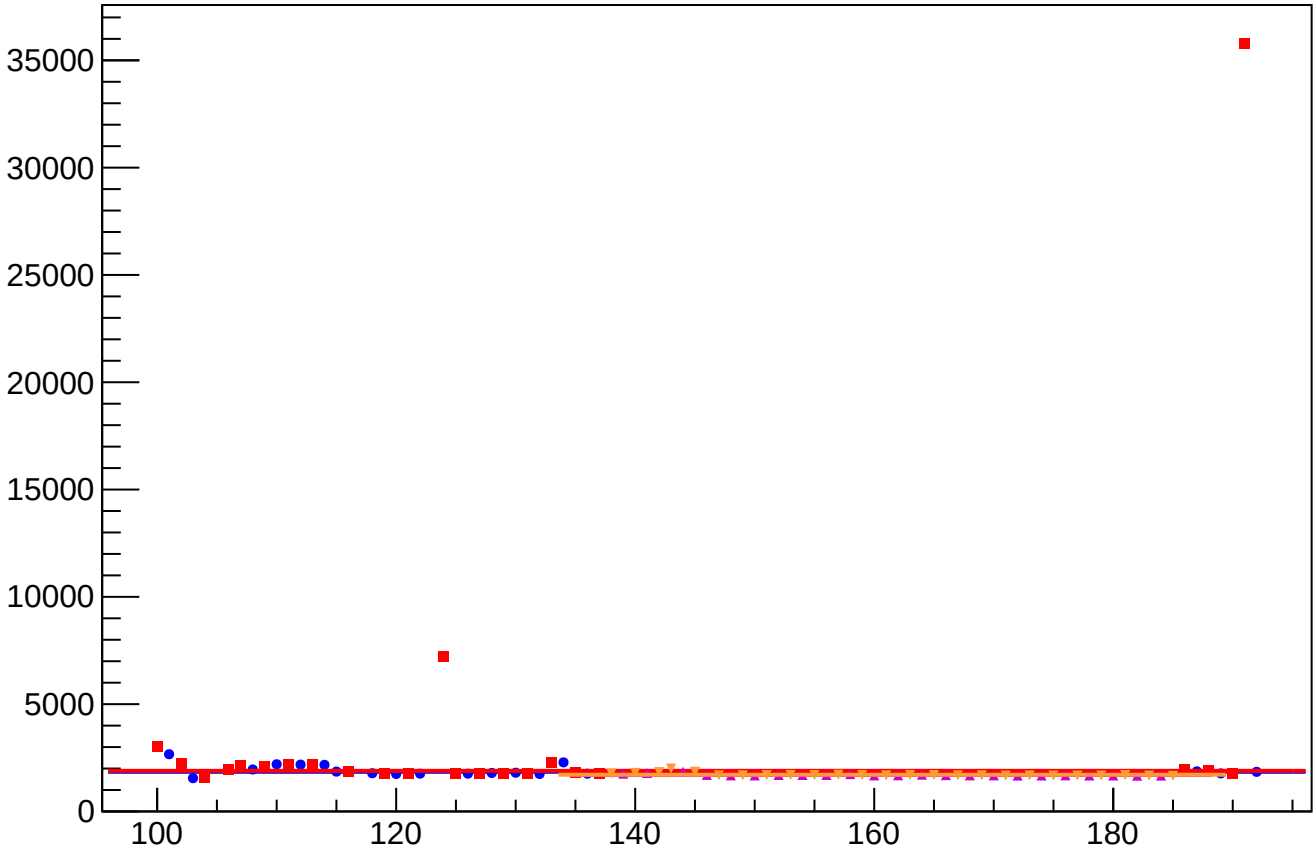
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1579.067+/-330.024 χ^2/NDF: 44.5/43

All: -263.947+/-235.881 χ^2/NDF: 144.5/89

- sign -2188.741+/-337.266 χ^2/NDF: 36.3/45

eigen_cor_asym_atl1r2_avg_rms vs Slug



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

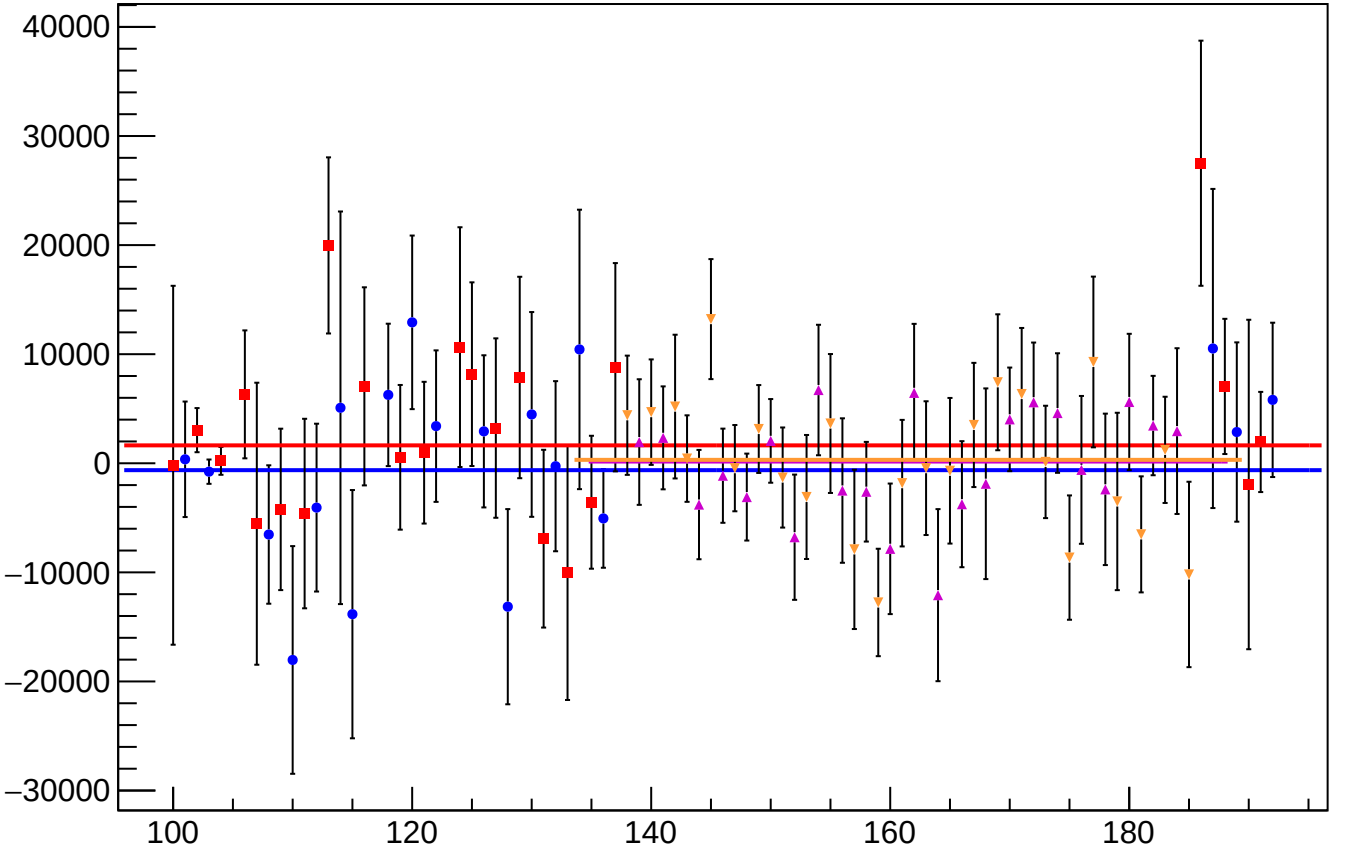
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1750.145+/-0.233 χ^2/NDF: 394773.2/43

All: 1753.601+/-0.167 χ^2/NDF: 1058604.5/89

- sign 1757.208+/-0.238 χ^2/NDF: 663382.9/45

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



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

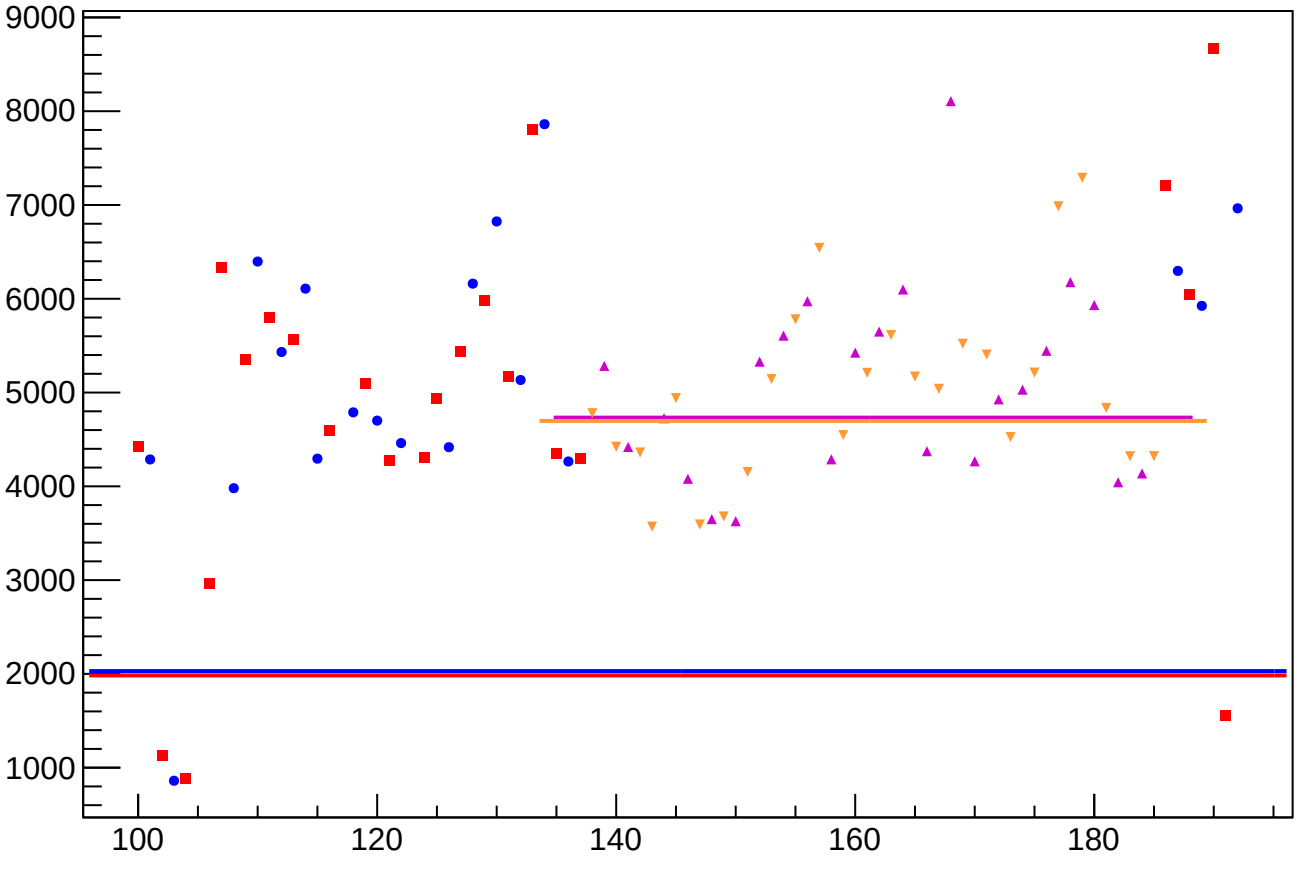
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -226.424+/-714.885 χ^2/NDF: 43.0/43

All: 418.090+/-503.785 χ^2/NDF: 81.0/89

- sign 1053.929+/-710.058 χ^2/NDF: 36.4/45

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 2029.613+/-0.669 χ^2/NDF: 8500212.0/18

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

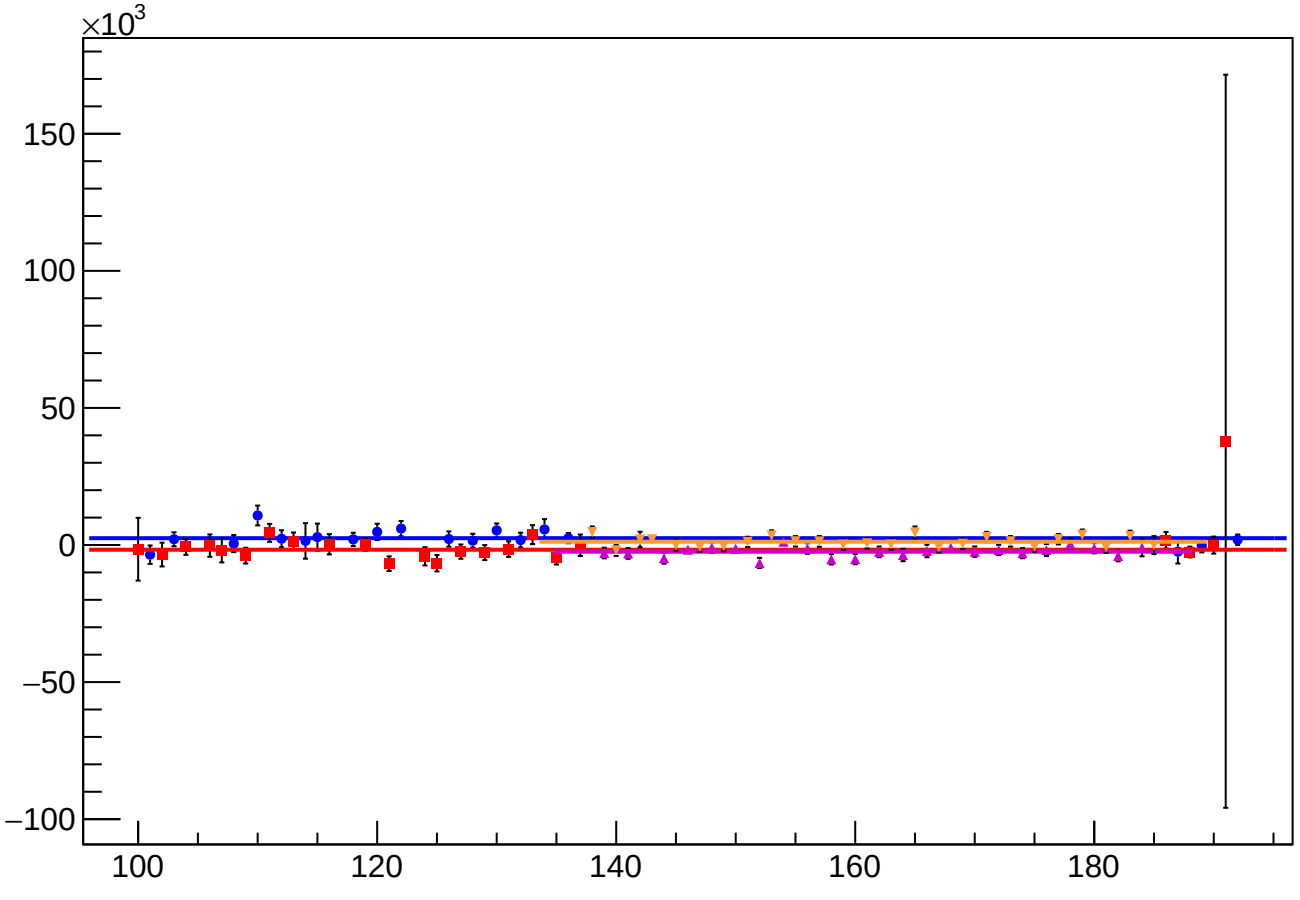
Right Out: 1983.506+/-0.646 χ^2/NDF: 8202554.3/22

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3173.107+/-0.506 χ^2/NDF: 16561755.1/43

All: 3122.165+/-0.356 χ^2/NDF: 33196556.9/8

- sign 3071.908+/-0.502 χ^2/NDF: 16614626.7/45



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

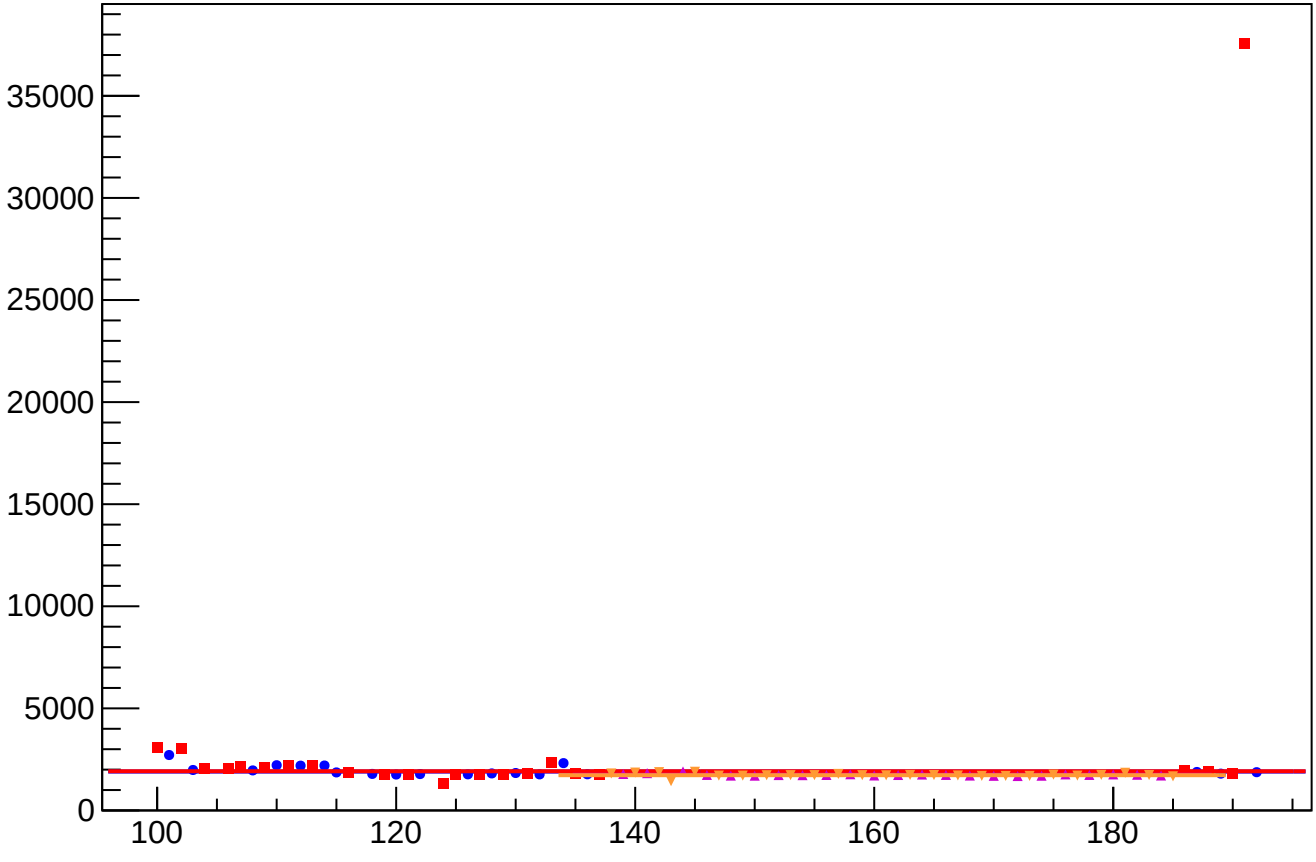
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1550.075+/-335.086 χ^2/NDF: 38.4/43

All: -287.963+/-240.304 χ^2/NDF: 141.1/89

- sign -2234.182+/-344.806 χ^2/NDF: 40.8/45

dit_asym_atl1r2_avg_rms vs Slug



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

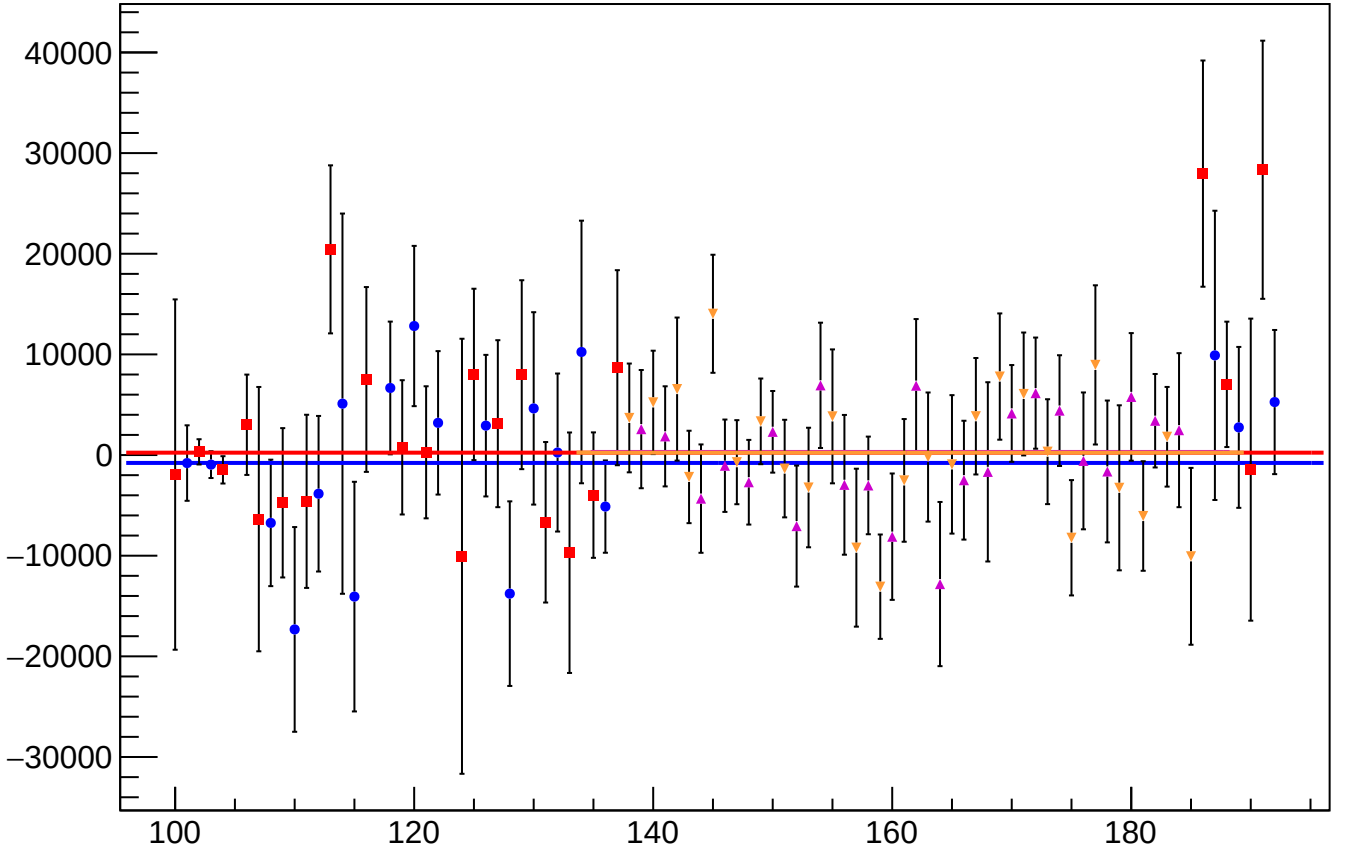
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1775.717+/-0.237 χ^2/NDF: 442031.7/43

All: 1784.960+/-0.170 χ^2/NDF: 1072907.3/89

- sign 1794.743+/-0.244 χ^2/NDF: 627743.2/45

asym_atl1r2_avg_dit_correction_mean vs Slug



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

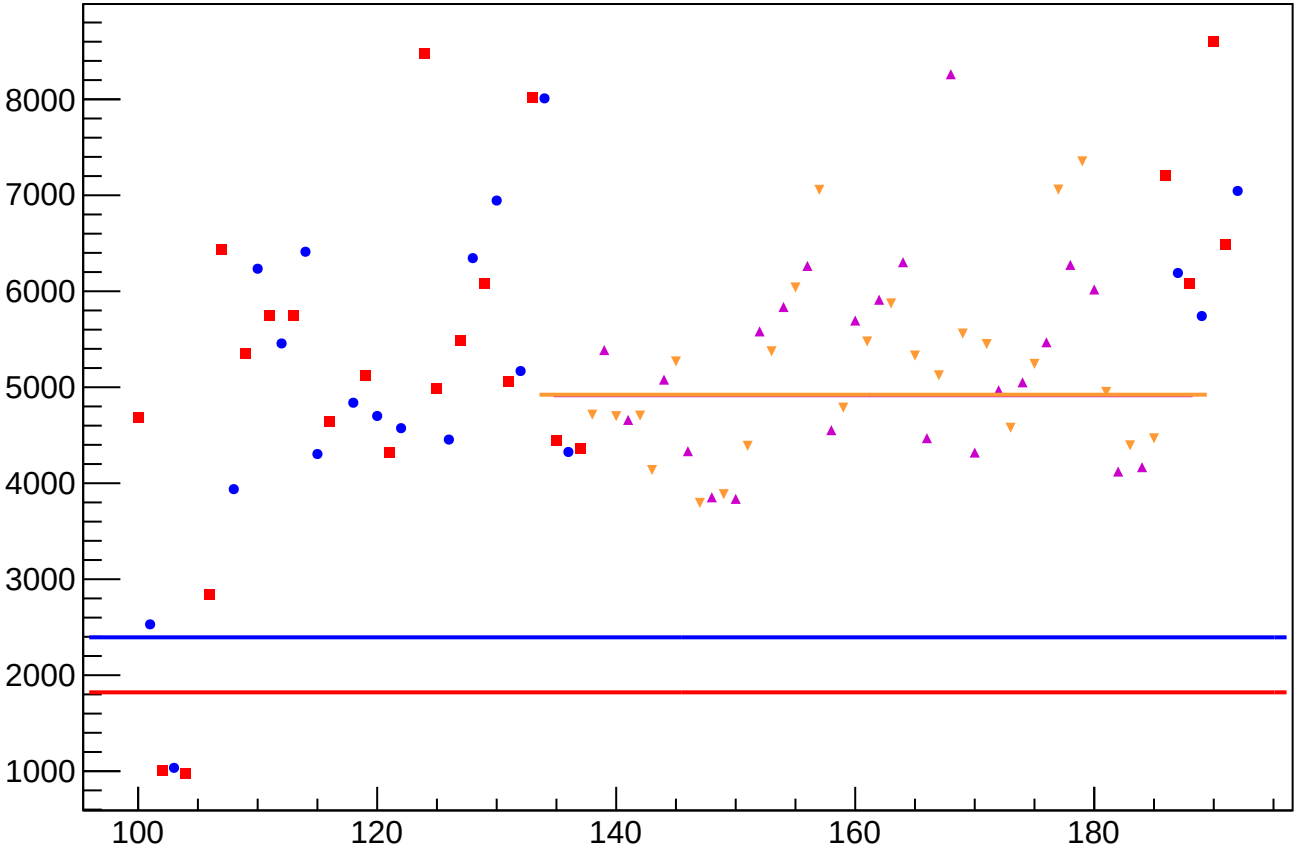
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -314.165+/-772.048 χ^2/NDF: 42.5/43

All: 11.458+/-507.467 χ^2/NDF: 83.3/89

- sign 259.159+/-673.364 χ^2/NDF: 40.5/45

asym_atl1r2_avg_dit_correction_rms vs Slug



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

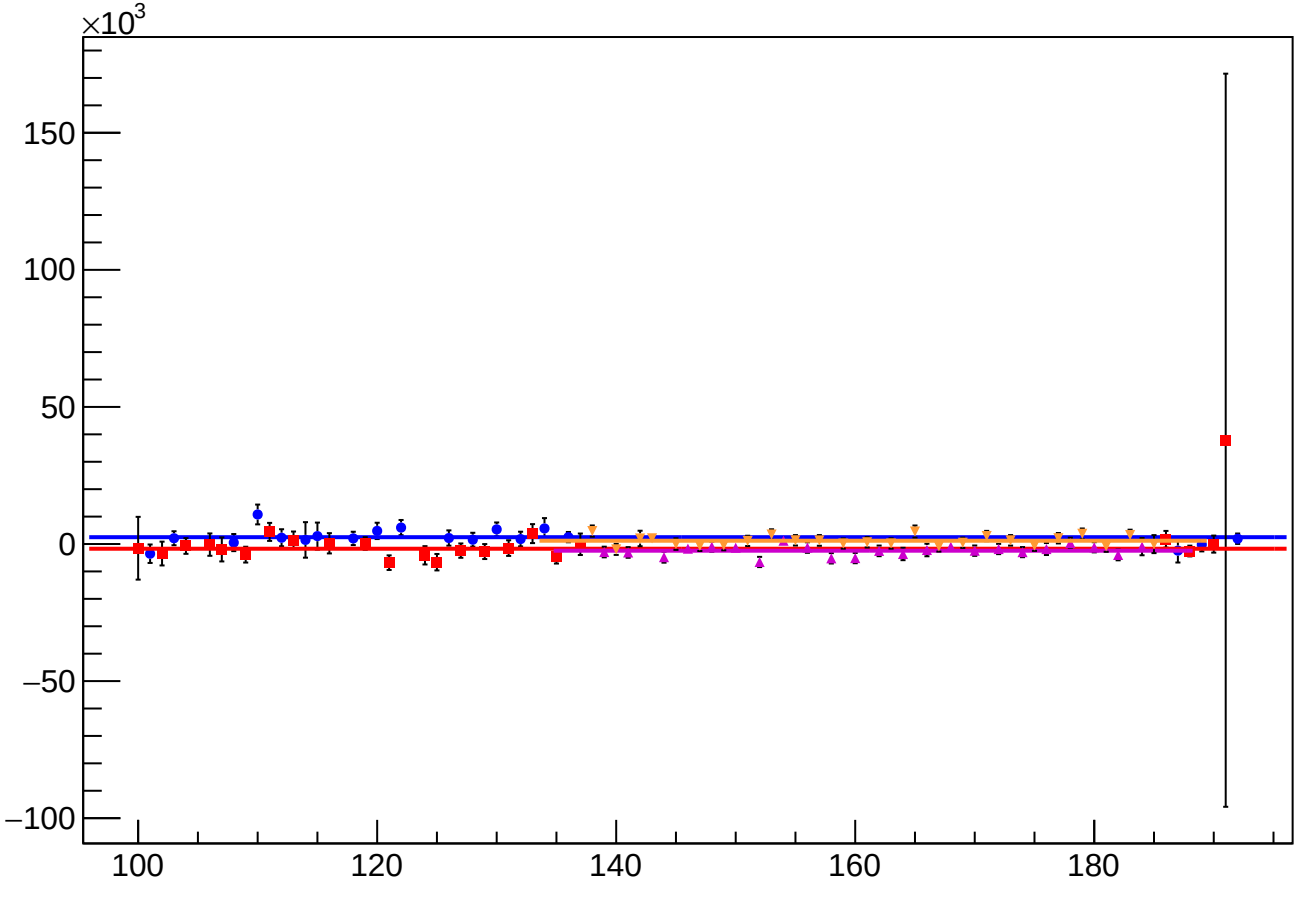
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

\+ sign 3552.010+/-0.546 χ^2/NDF: 13265128.4/43

All: 3150.463+/-0.359 χ^2/NDF: 33717274.3/8

\- sign 2845.008+/-0.476 χ^2/NDF: 19499573.0/45

eigen_dit_asym_atl1r2_avg_mean vs Slug



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

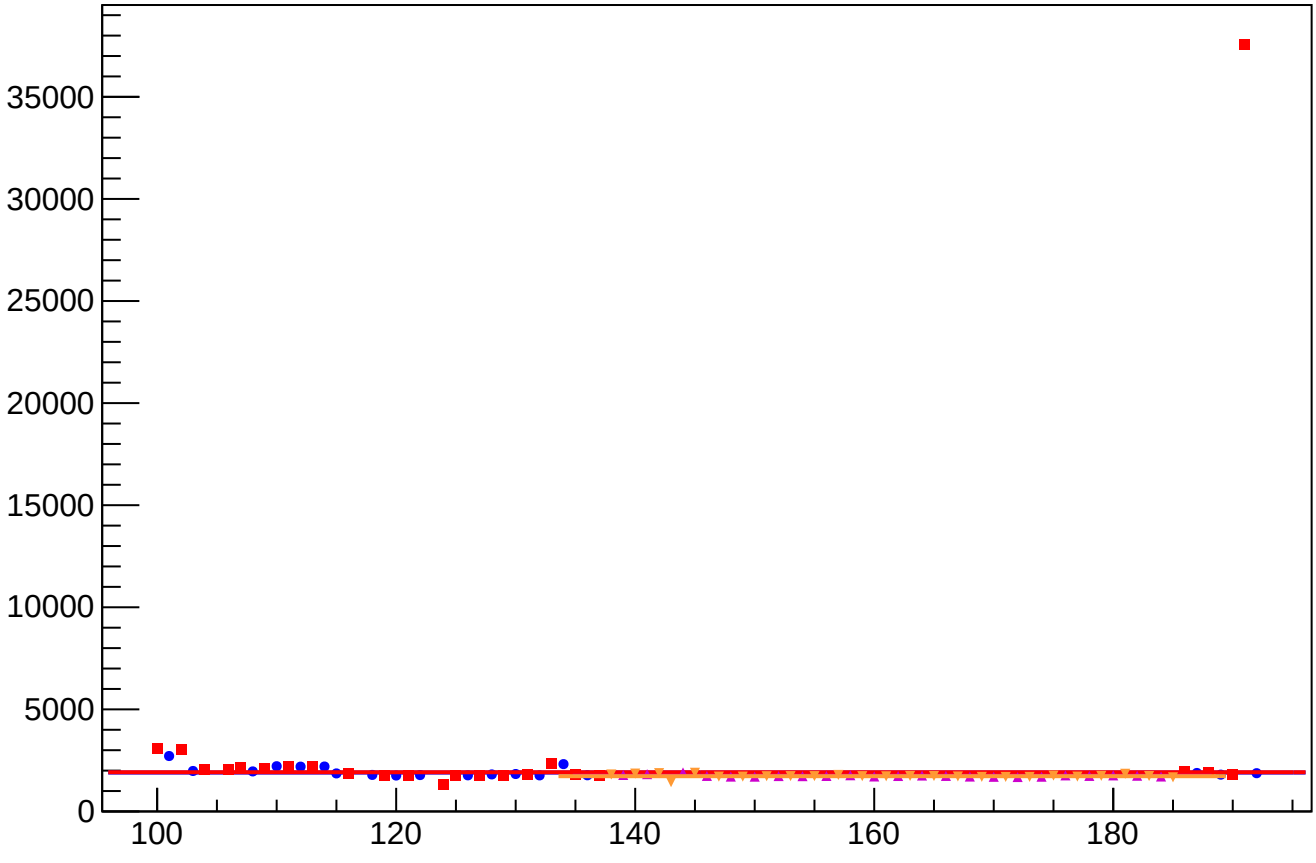
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1550.072+/-335.086 χ^2/NDF: 38.4/43

All: -287.965+/-240.304 χ^2/NDF: 141.1/89

- sign -2234.183+/-344.806 χ^2/NDF: 40.8/45

eigen_dit_asym_atl1r2_avg_rms vs Slug



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

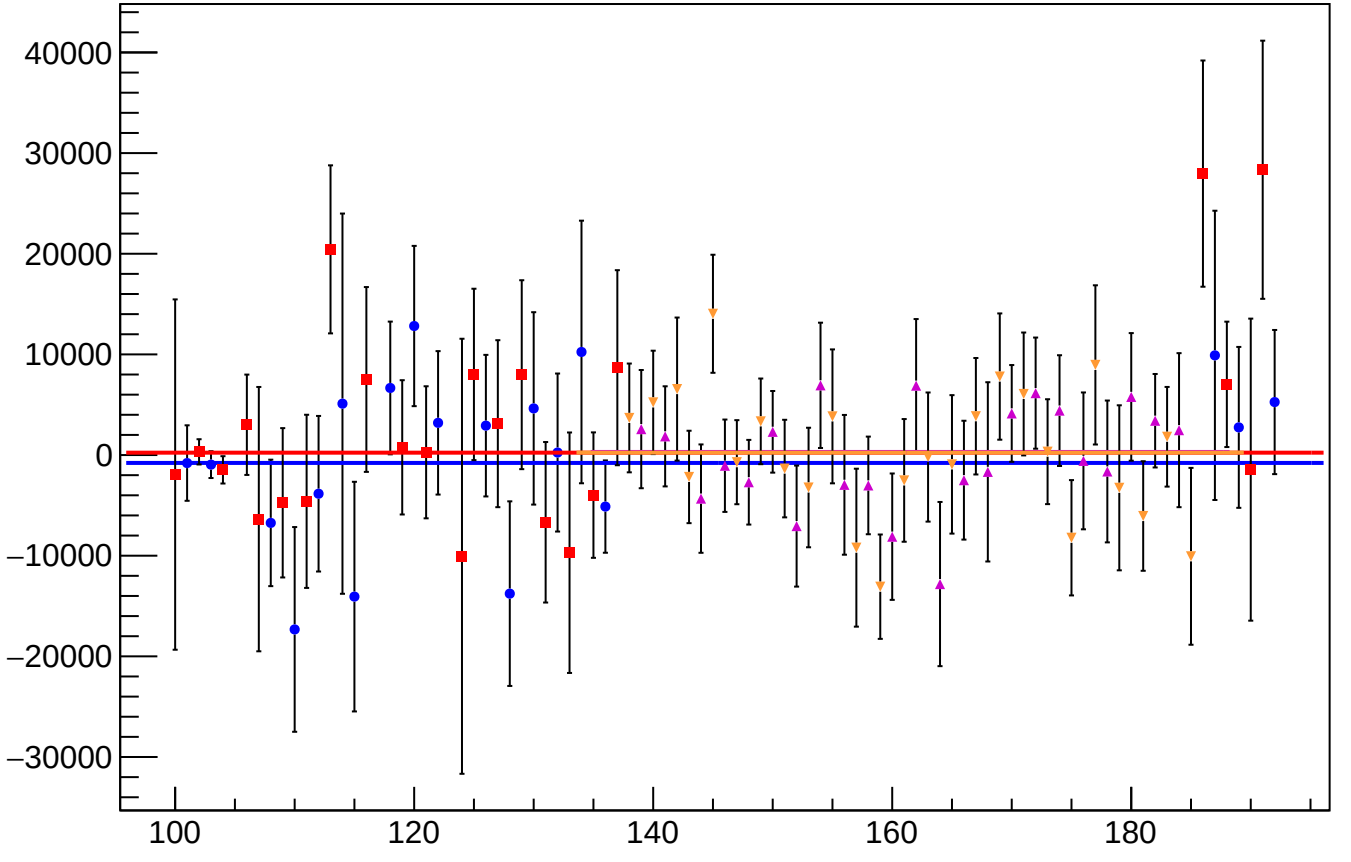
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1775.718+/-0.237 χ^2/NDF: 442028.9/43

All: 1784.960+/-0.170 χ^2/NDF: 1072902.1/89

- sign 1794.744+/-0.244 χ^2/NDF: 627740.8/45

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



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

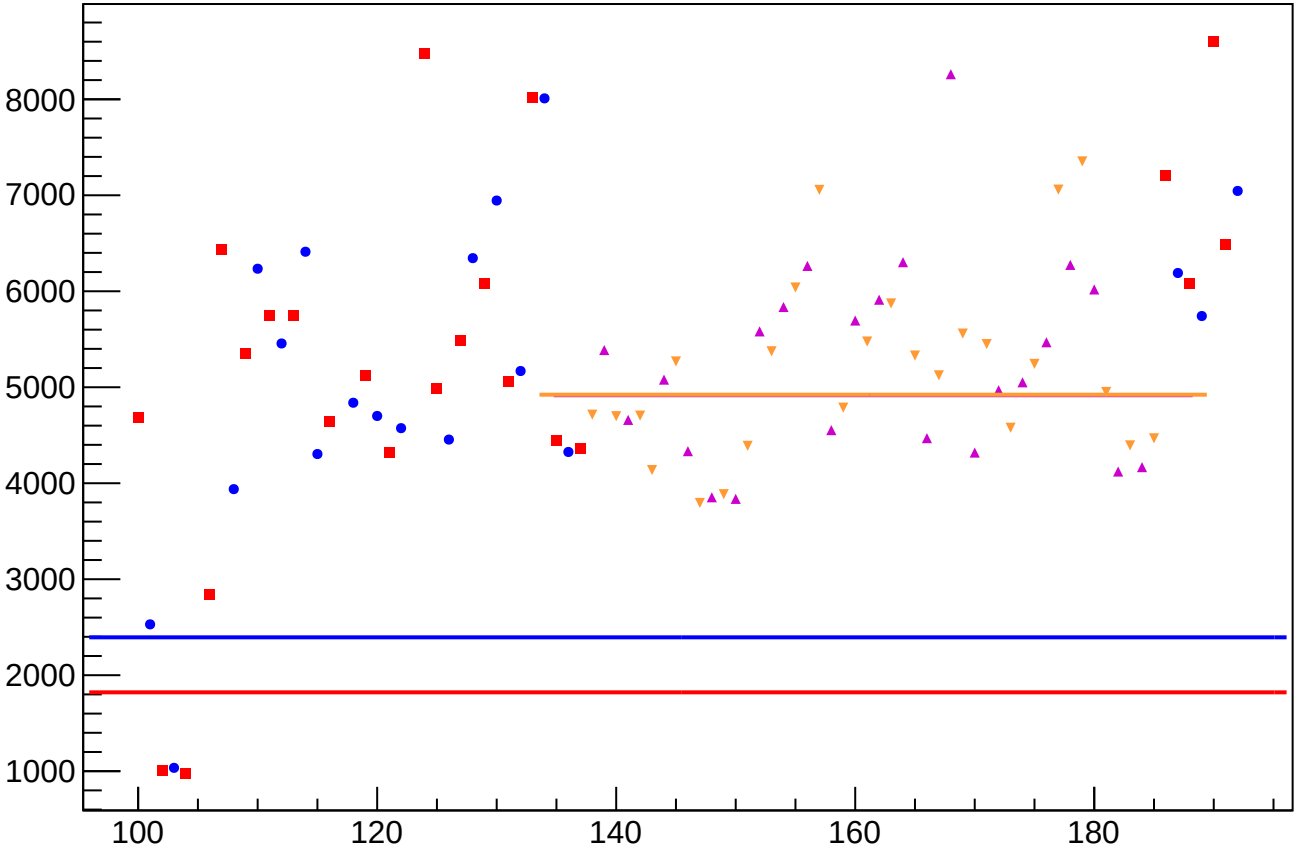
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign -314.167+/-772.048 χ^2/NDF: 42.5/43

All: 11.460+/-507.467 χ^2/NDF: 83.3/89

- sign 259.164+/-673.364 χ^2/NDF: 40.5/45

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2394.604+/-0.741 χ^2/NDF: 6892836.6/18

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

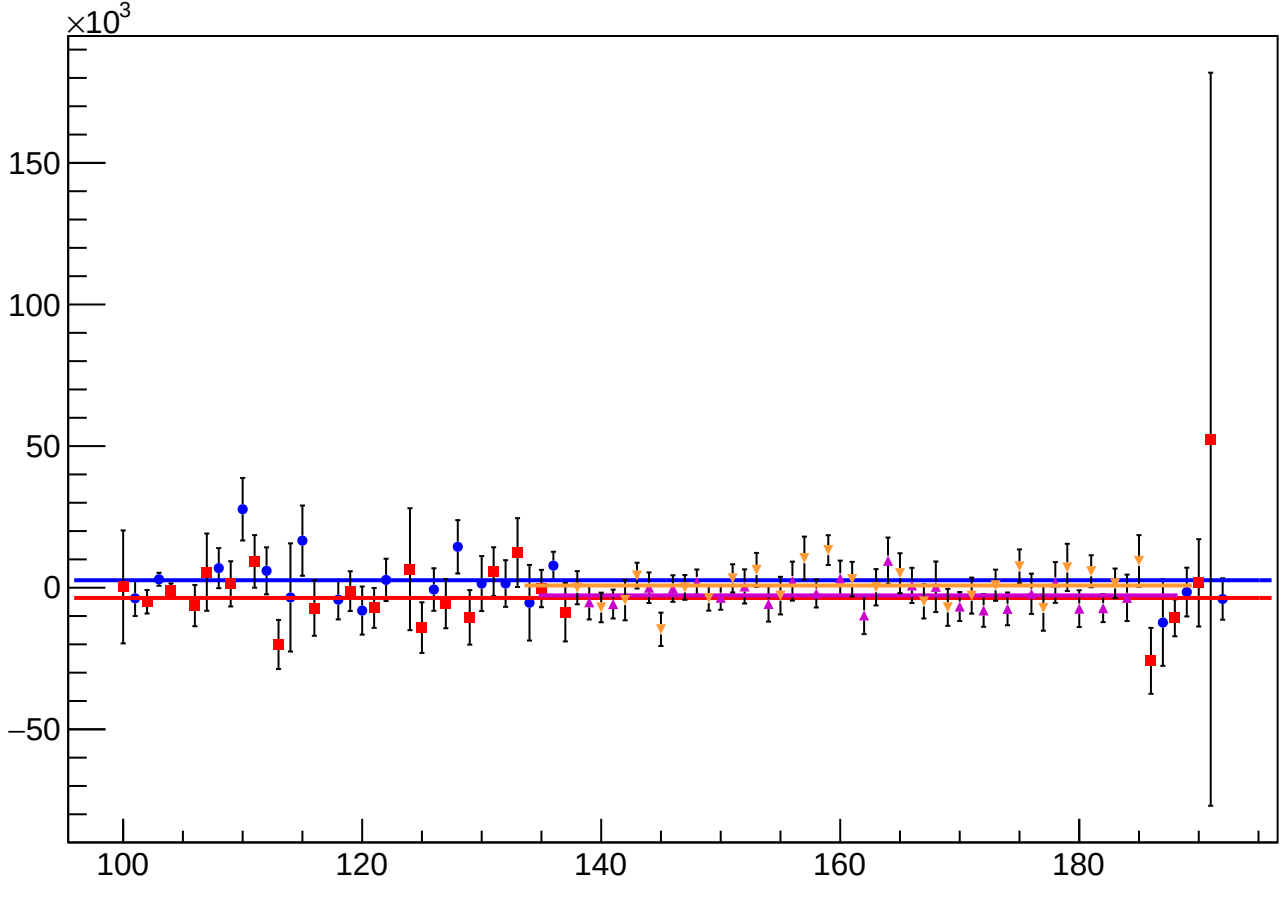
Right Out: 1821.478+/-0.582 χ^2/NDF: 8983614.3/22

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3552.010+/-0.546 χ^2/NDF: 13265156.6/43

All: 3150.463+/-0.359 χ^2/NDF: 33717332.5/8

- sign 2845.008+/-0.476 χ^2/NDF: 19499600.9/45



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

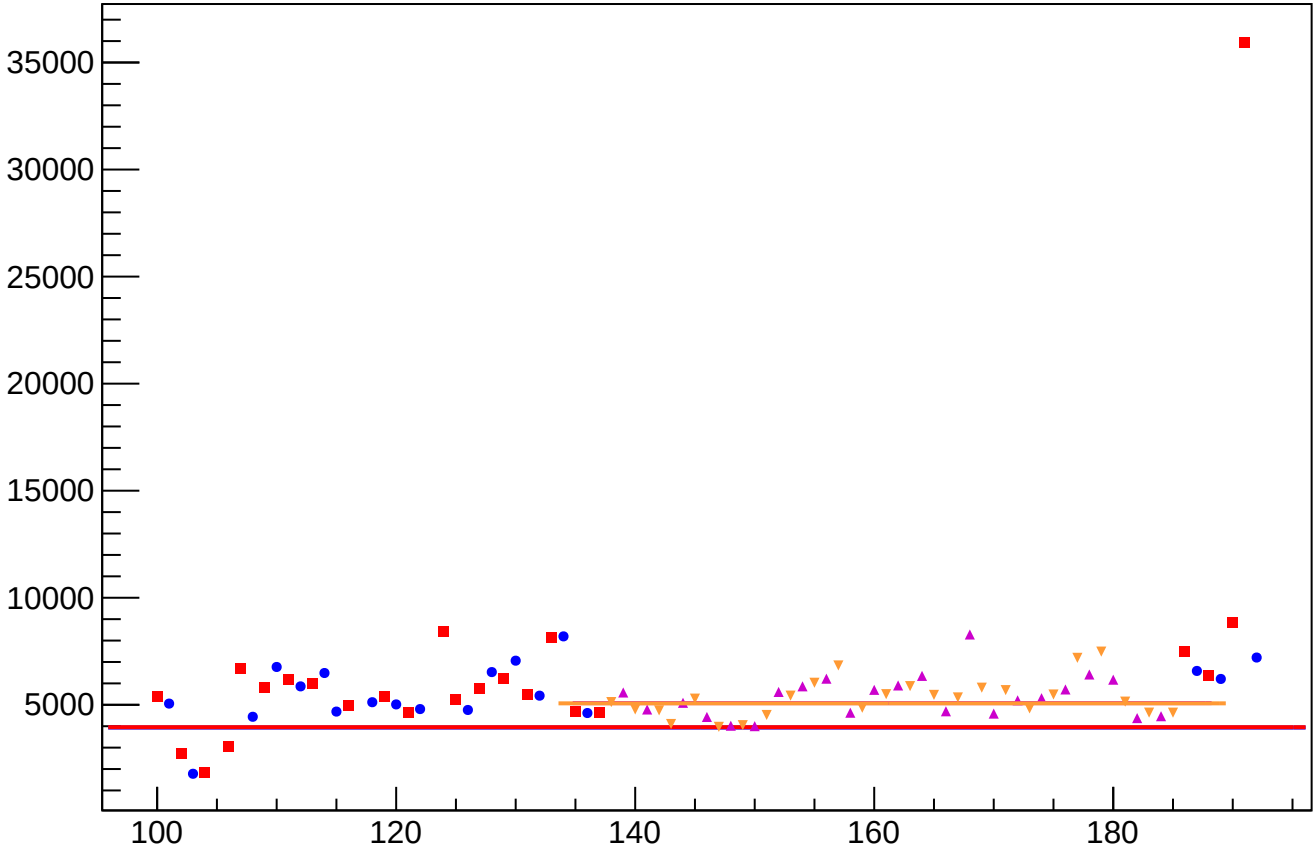
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1502.672+/-918.013 χ^2/NDF: 44.5/43

All: -733.066+/-655.951 χ^2/NDF: 87.5/89

- sign -3065.264+/-937.607 χ^2/NDF: 30.9/45

asym_atl1r2_avg_rms vs Slug



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

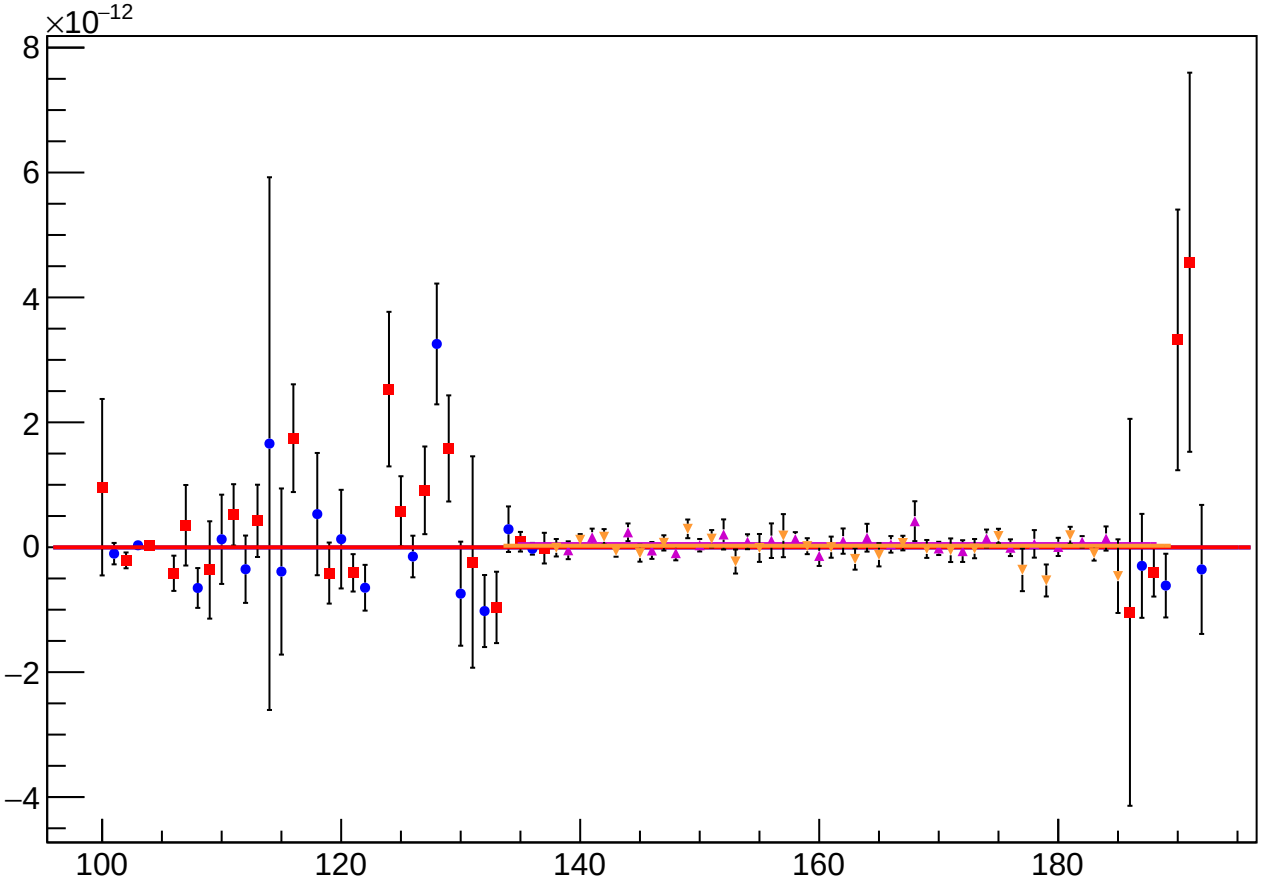
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4630.904+/-0.649 χ^2/NDF: 5208520.5/43

All: 4630.155+/-0.463 χ^2/NDF: 10430153.6/8

- sign 4629.380+/-0.661 χ^2/NDF: 5221630.4/45

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

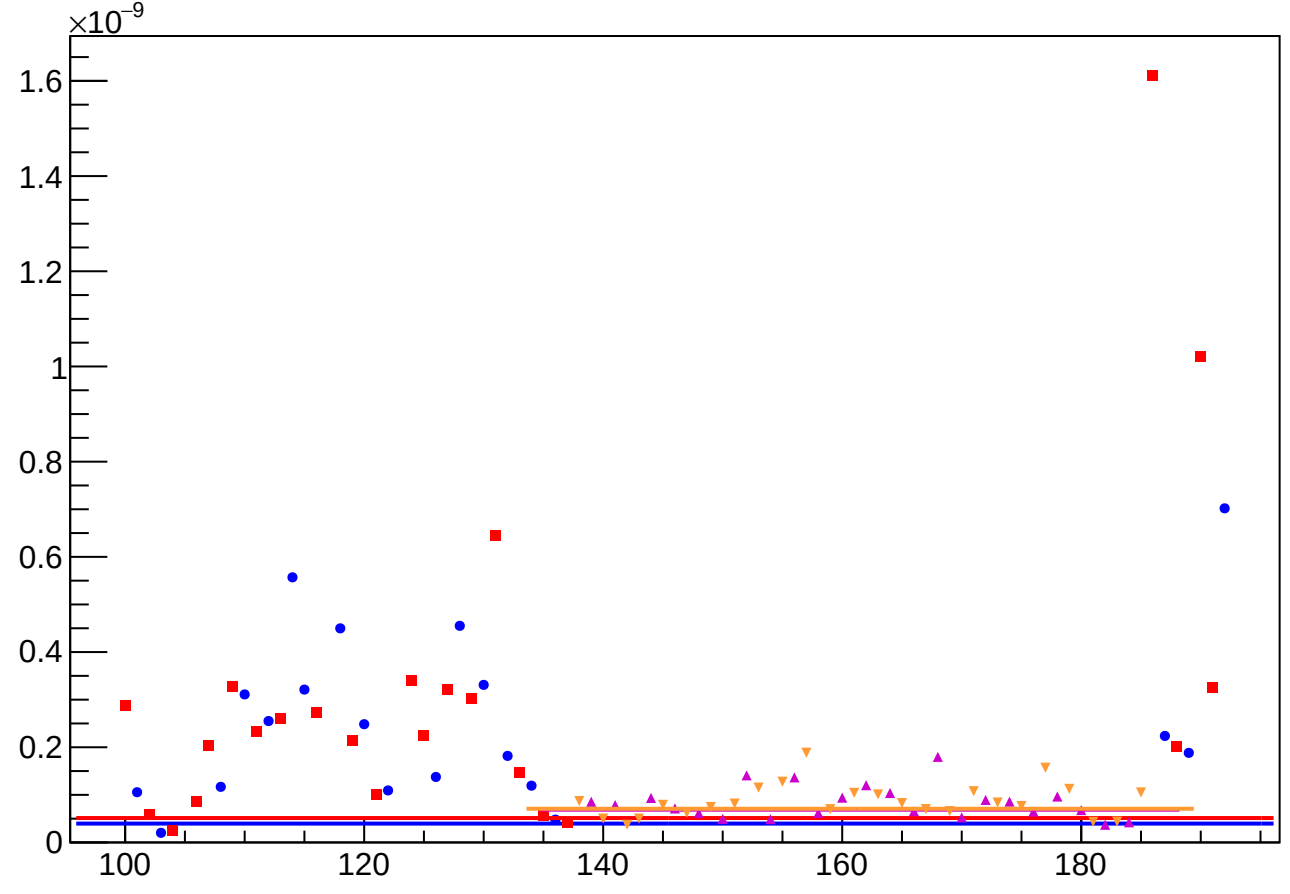
Right Out: -0.000+/-0.000 χ^2/NDF: 34.2/22

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.1/43

All: 0.000+/-0.000 χ^2/NDF: 97.6/89

- sign 0.000+/-0.000 χ^2/NDF: 46.1/45



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

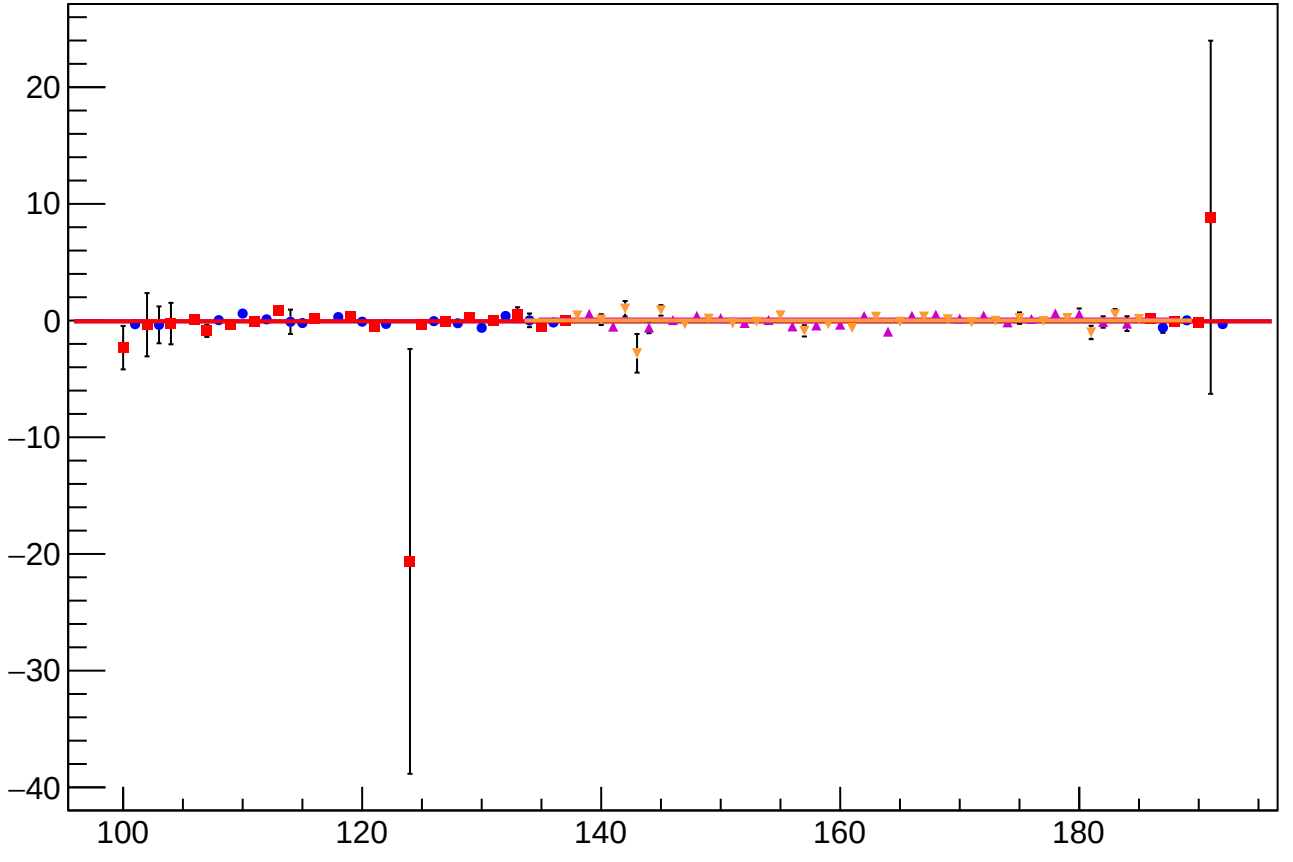
Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6634138.5/43

All: 0.000+/-0.000 χ^2/NDF: 12479539.5/89

- sign 0.000+/-0.000 χ^2/NDF: 5803103.9/45

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



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

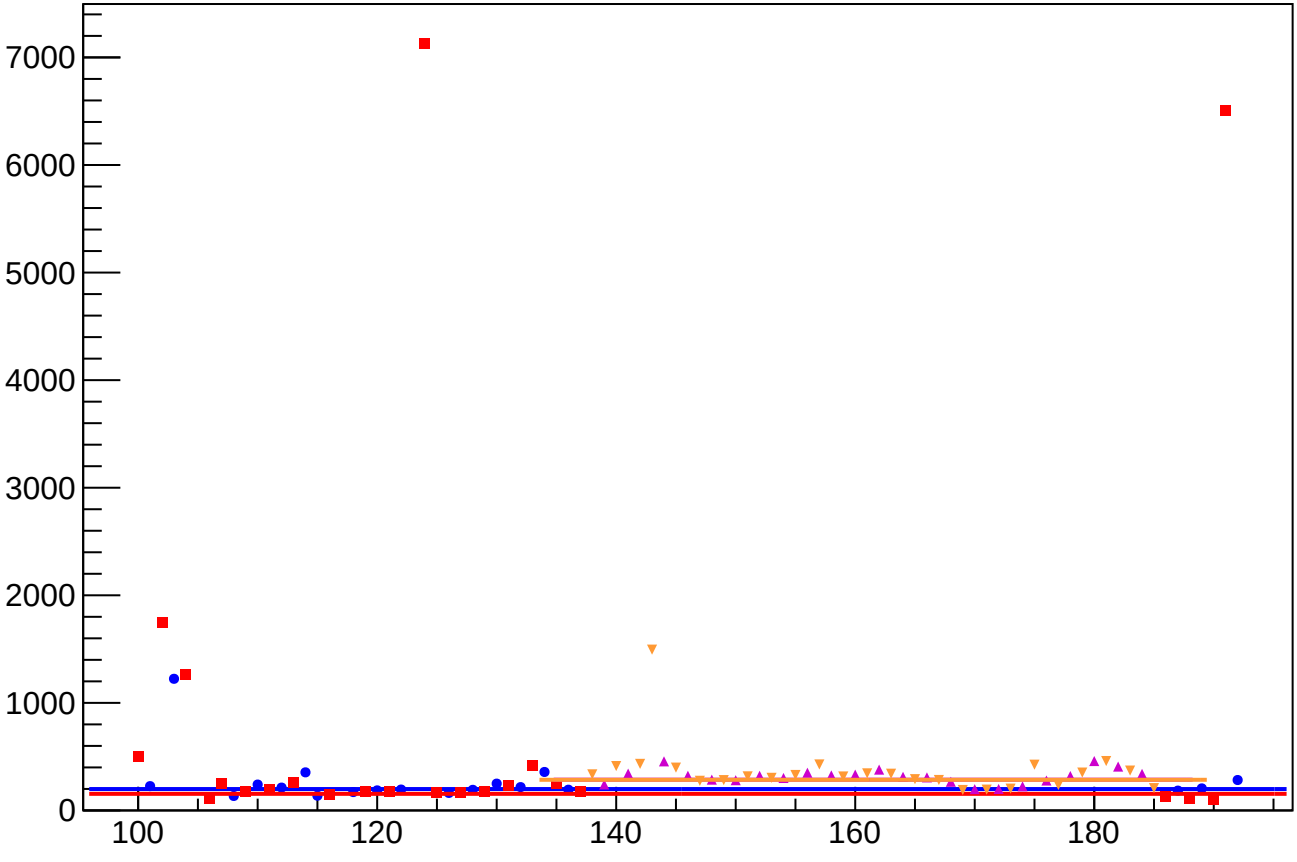
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.026+/-0.050 χ^2/NDF: 43.1/43

All: -0.009+/-0.034 χ^2/NDF: 102.3/89

- sign 0.004+/-0.045 χ^2/NDF: 59.0/45

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 199.033+/-0.051 χ^2/NDF: 1585342.3/18

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

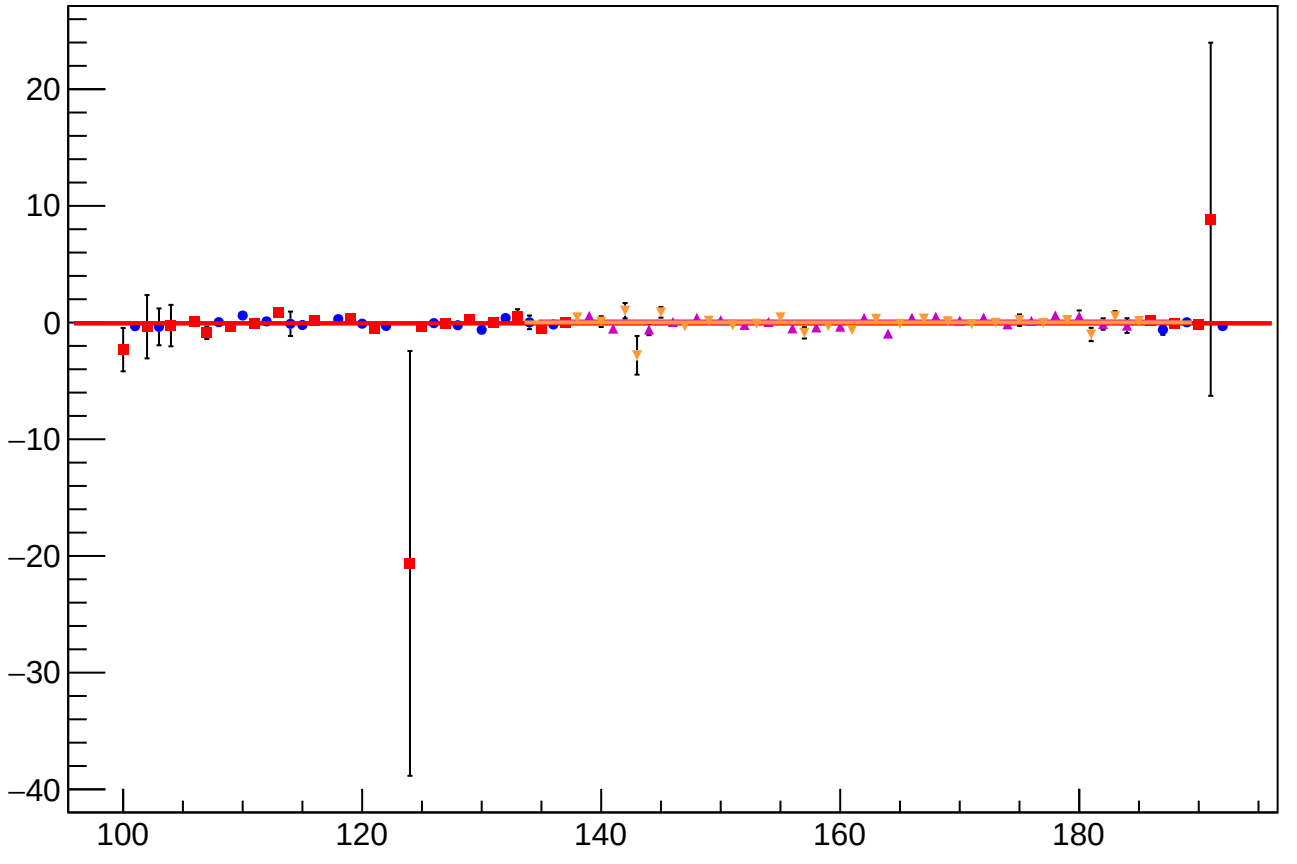
Right Out: 154.467+/-0.042 χ^2/NDF: 3620116.7/22

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.387+/-0.035 χ^2/NDF: 6461881.7/43

All: 224.665+/-0.024 χ^2/NDF: 16394823.5/89

- sign 209.266+/-0.032 χ^2/NDF: 9424745.5/45



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

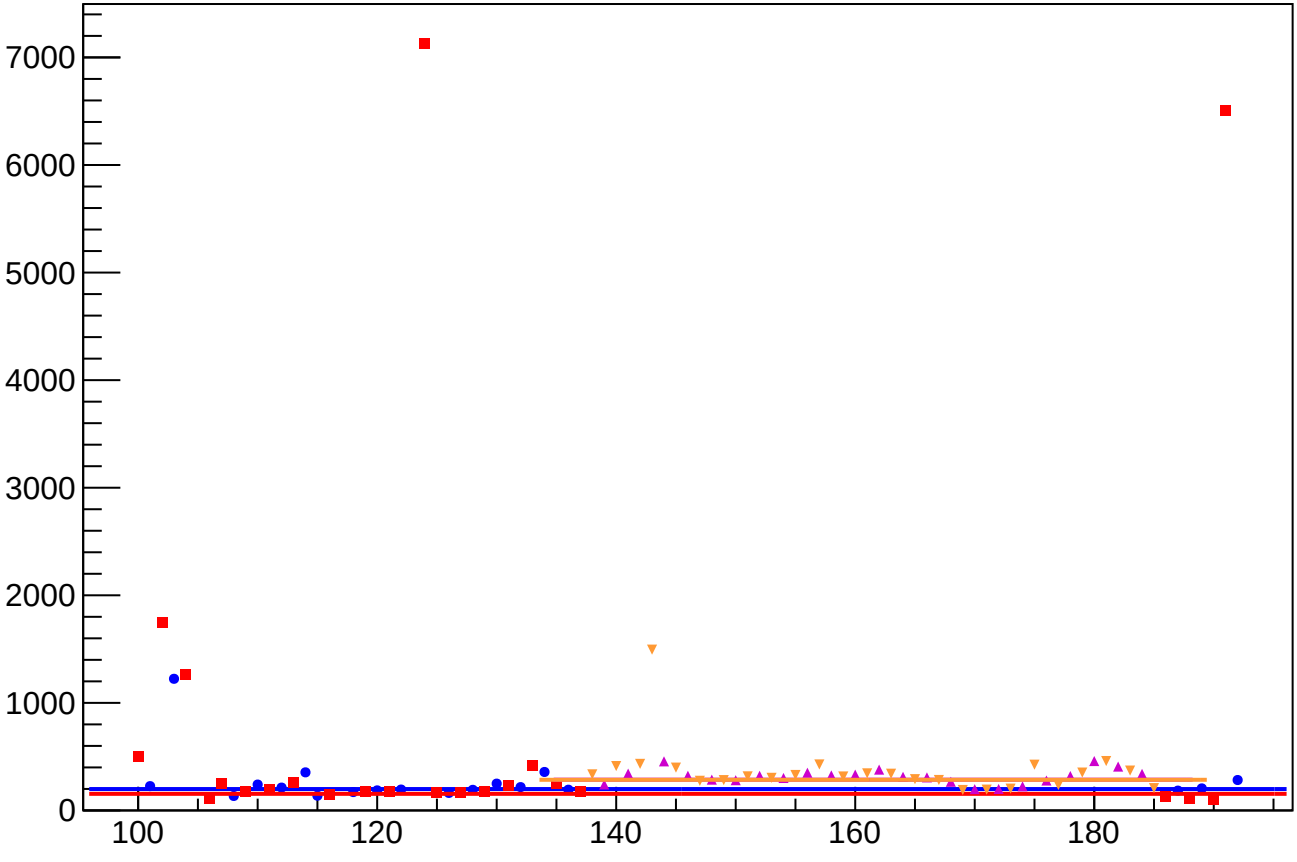
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.026+/-0.050 χ^2/NDF: 43.1/43

All: -0.009+/-0.034 χ^2/NDF: 102.3/89

- sign 0.004+/-0.045 χ^2/NDF: 59.0/45

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 199.033+/-0.051 χ^2/NDF: 1585342.3/18

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

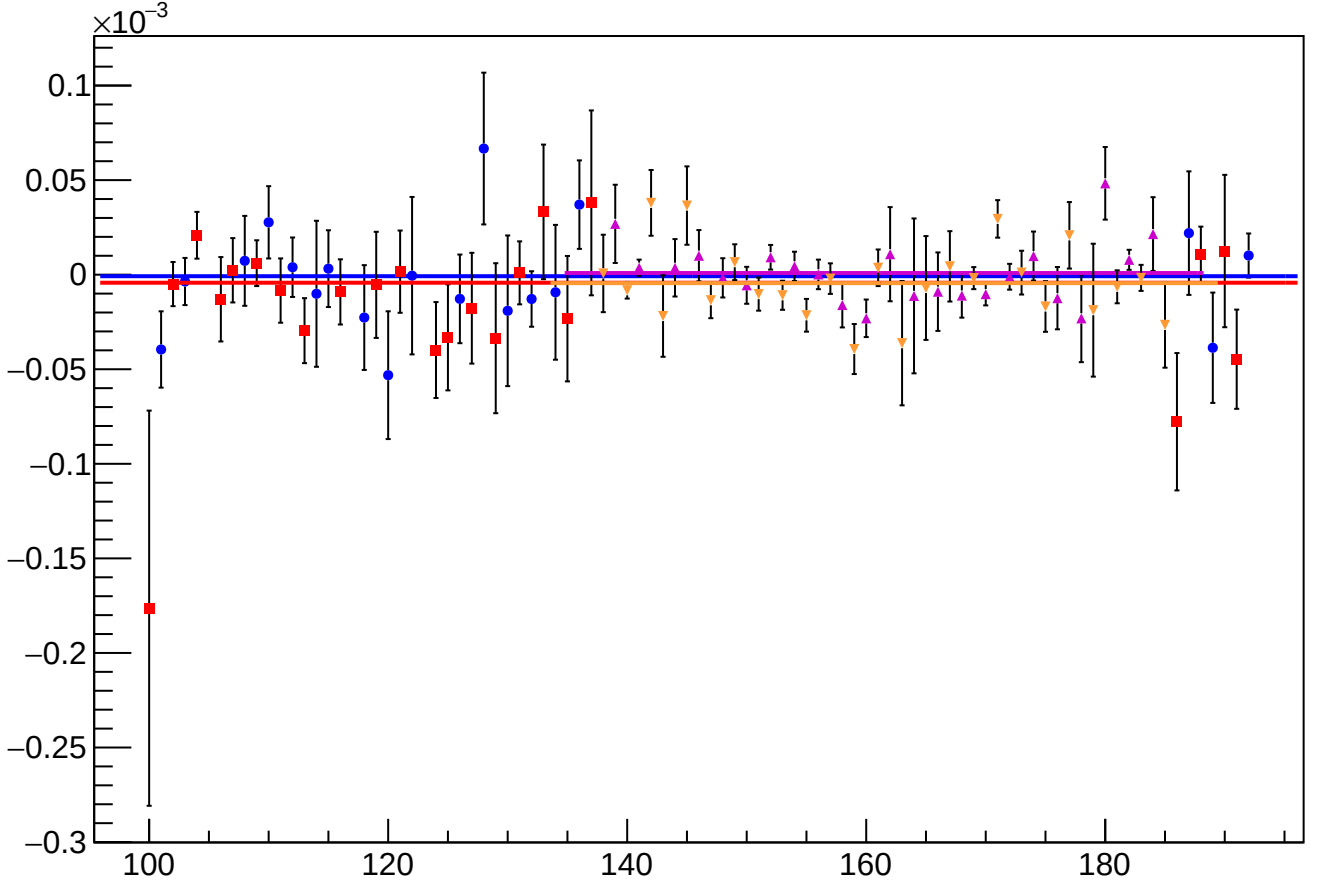
Right Out: 154.467+/-0.042 χ^2/NDF: 3620116.7/22

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.387+/-0.035 χ^2/NDF: 6461881.7/43

All: 224.665+/-0.024 χ^2/NDF: 16394823.5/89

- sign 209.266+/-0.032 χ^2/NDF: 9424745.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

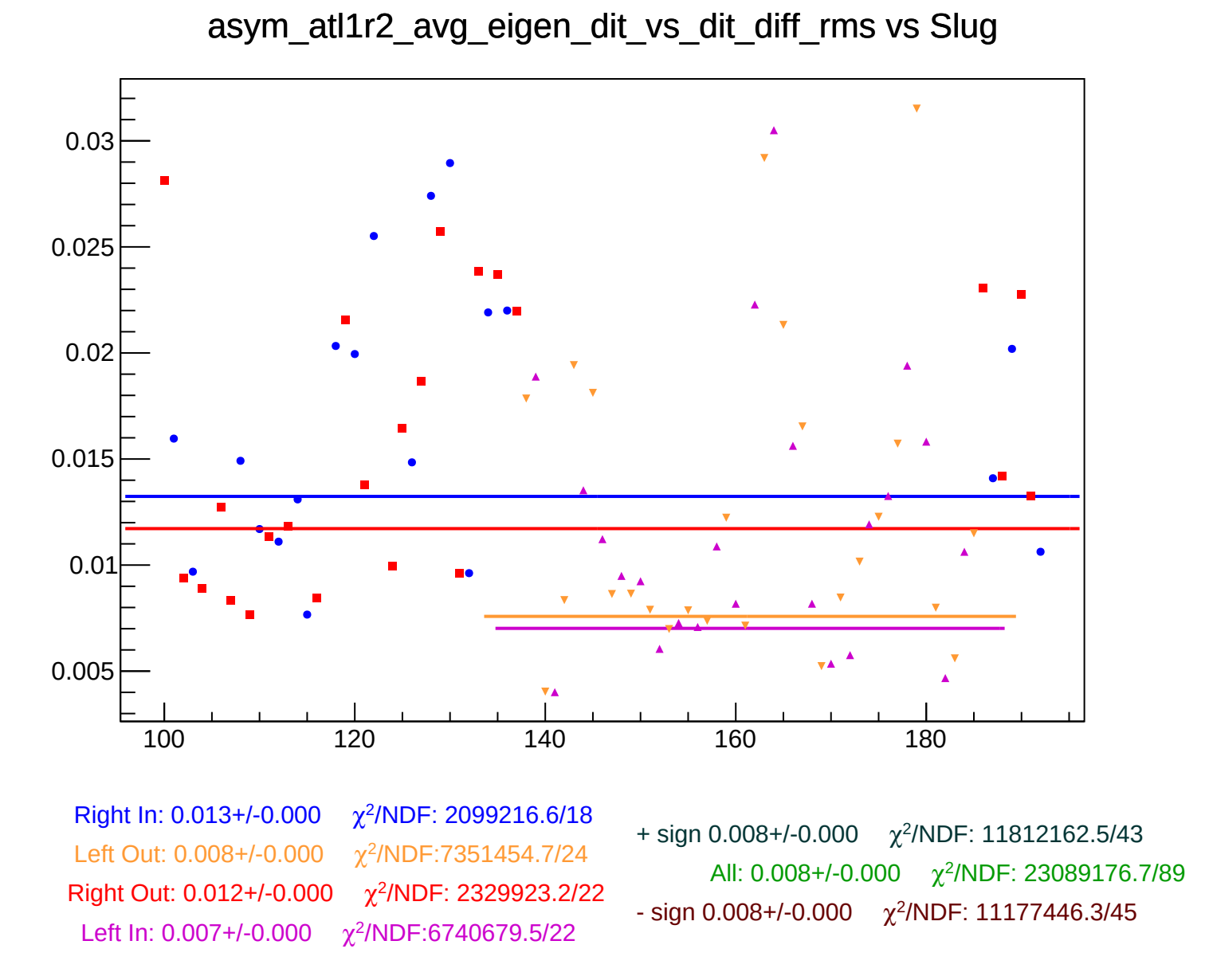
Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/22

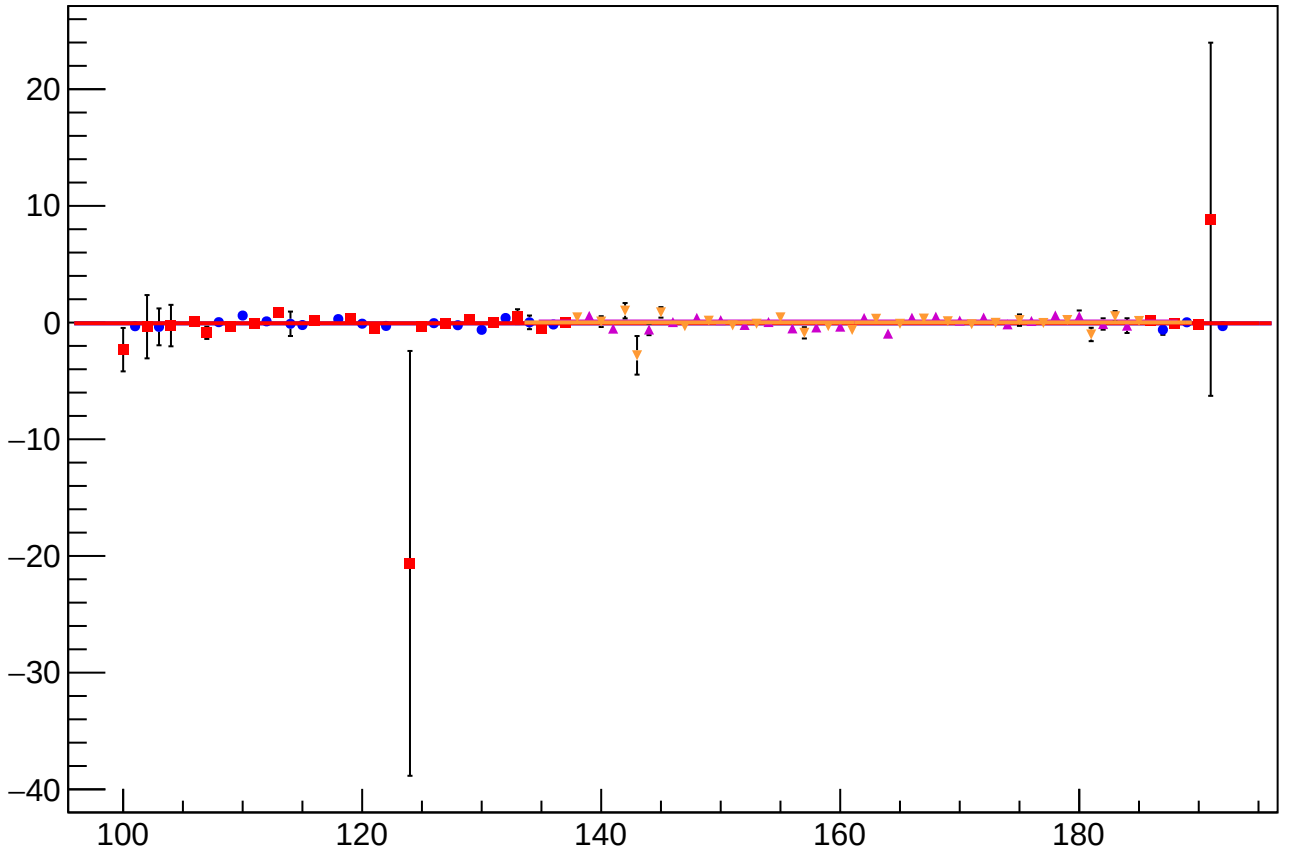
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.4/43

All: -0.000+/-0.000 χ^2/NDF: 120.0/89

- sign -0.000+/-0.000 χ^2/NDF: 54.2/45


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
Right In: 0.013+/-0.000 χ²/NDF: 2099216.6/18
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.012+/-0.000 χ²/NDF: 2329923.2/22
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
+ sign 0.008+/-0.000 χ²/NDF: 11812162.5/43
All: 0.008+/-0.000 χ²/NDF: 23089176.7/89
- sign 0.008+/-0.000 χ²/NDF: 11177446.3/45



Right In: -0.068+/-0.072 χ^2/NDF: 14.1/18

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

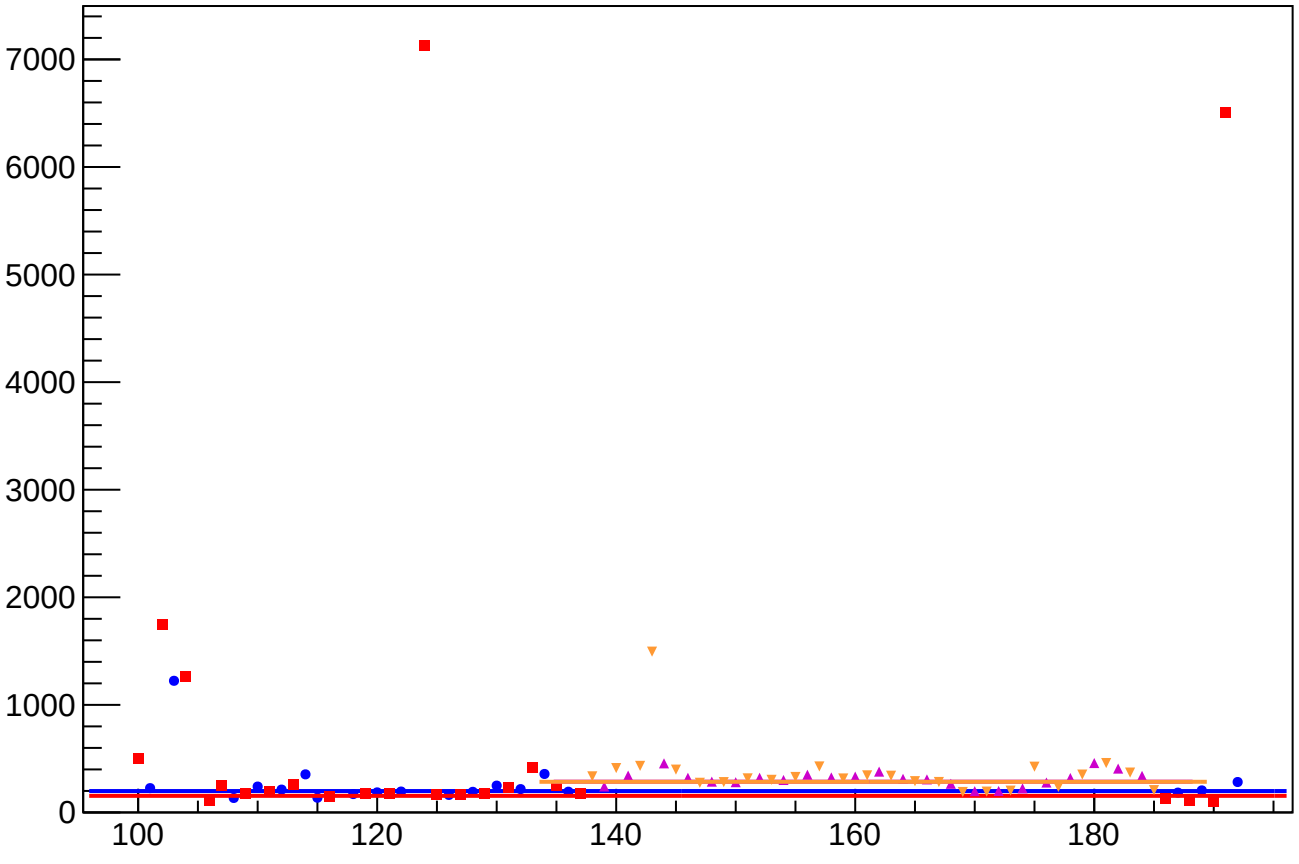
Right Out: -0.058+/-0.060 χ^2/NDF: 25.6/22

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.026+/-0.050 χ^2/NDF: 43.1/43

All: -0.009+/-0.034 χ^2/NDF: 102.3/89

- sign 0.004+/-0.045 χ^2/NDF: 59.0/45



Right In: 199.032+/-0.051 χ^2/NDF: 1585338.3/18

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

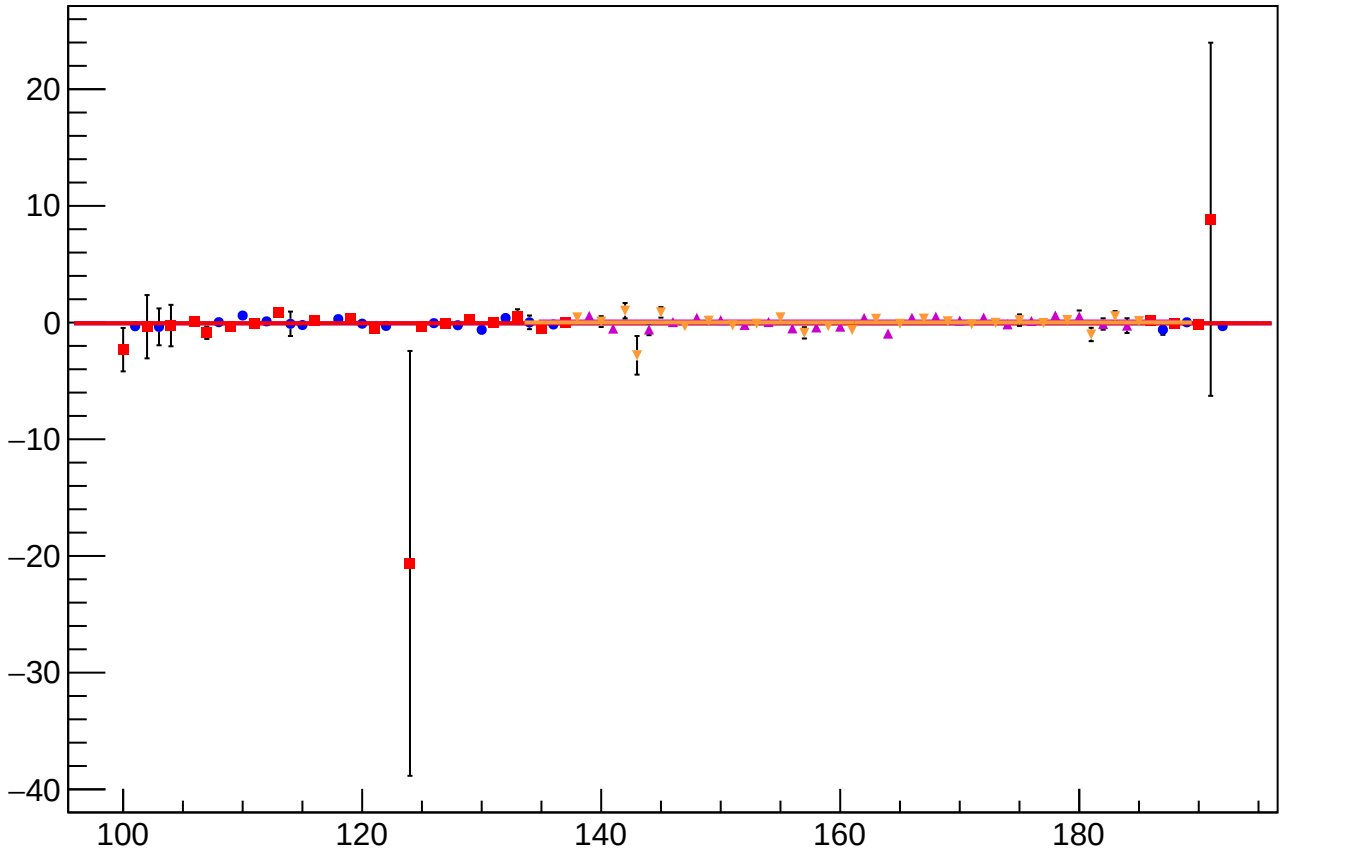
Right Out: 154.464+/-0.042 χ^2/NDF: 3620188.5/22

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.387+/-0.035 χ^2/NDF: 6462048.6/43

All: 224.664+/-0.024 χ^2/NDF: 16395500.2/89

- sign 209.264+/-0.032 χ^2/NDF: 9425190.2/45



Right In: -0.068+/-0.072 χ^2/NDF: 14.1/18

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

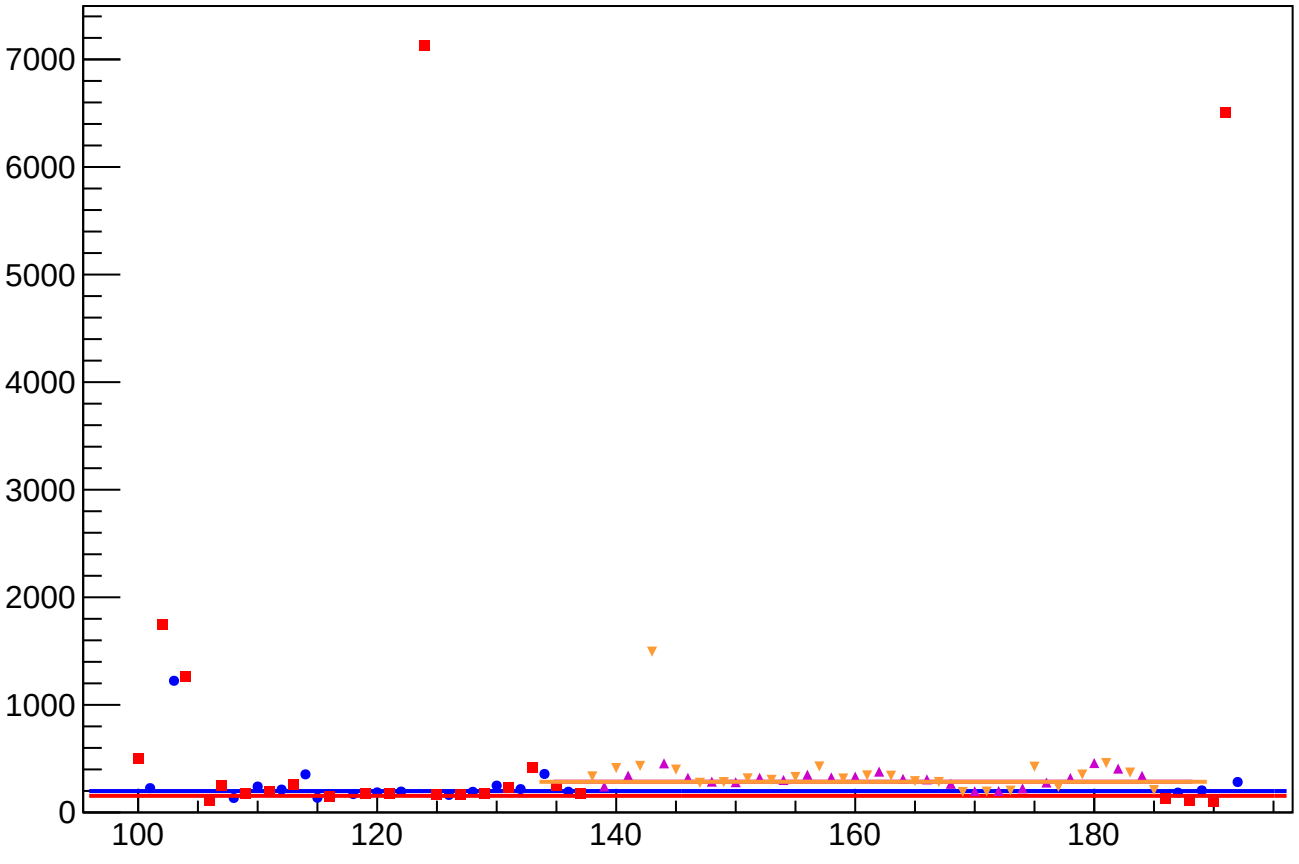
Right Out: -0.058+/-0.060 χ^2/NDF: 25.6/22

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.026+/-0.050 χ^2/NDF: 43.1/43

All: -0.009+/-0.034 χ^2/NDF: 102.3/89

- sign 0.004+/-0.045 χ^2/NDF: 59.0/45



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

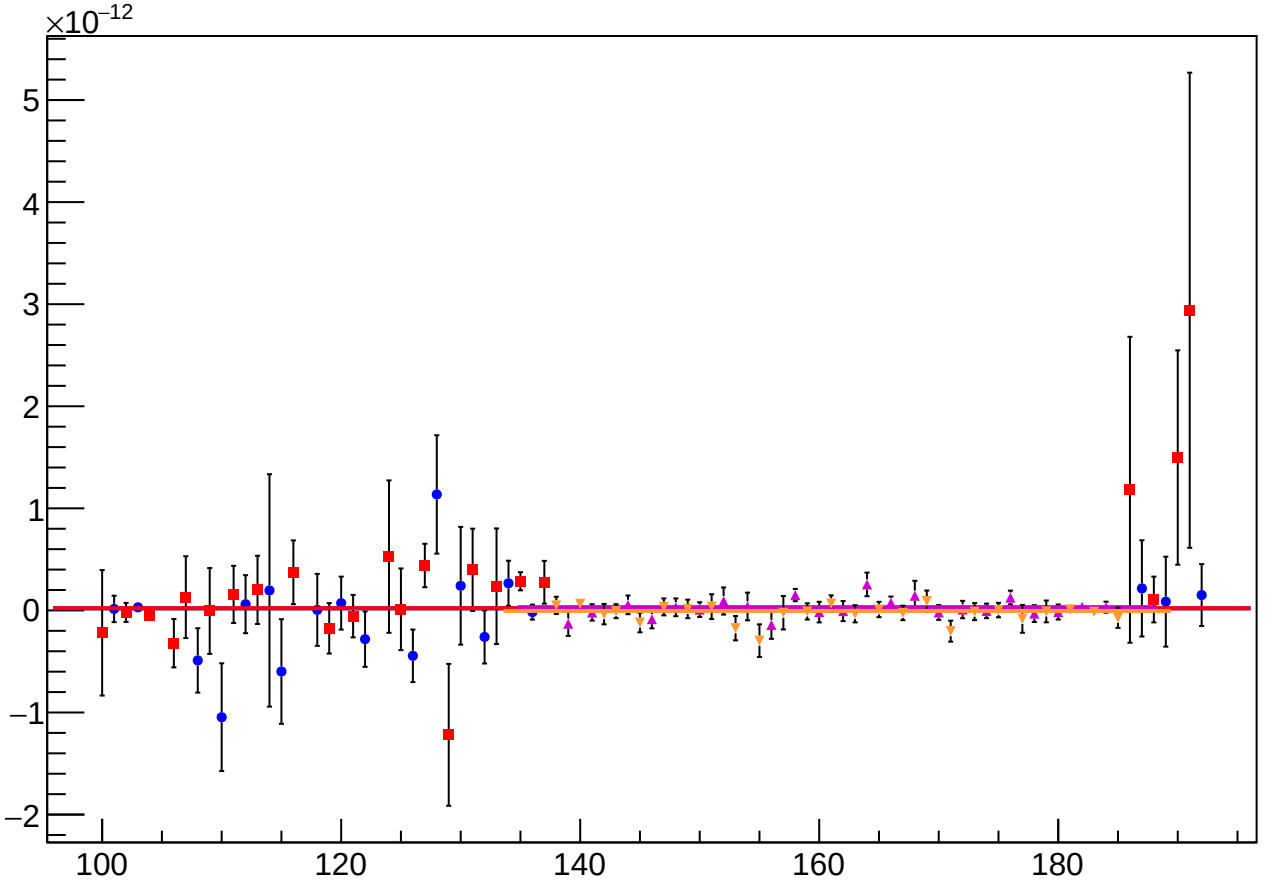
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.387+/-0.035 χ^2/NDF: 6462048.6/43

All: 224.664+/-0.024 χ^2/NDF: 16395500.2/89

- sign 209.264+/-0.032 χ^2/NDF: 9425190.2/45

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

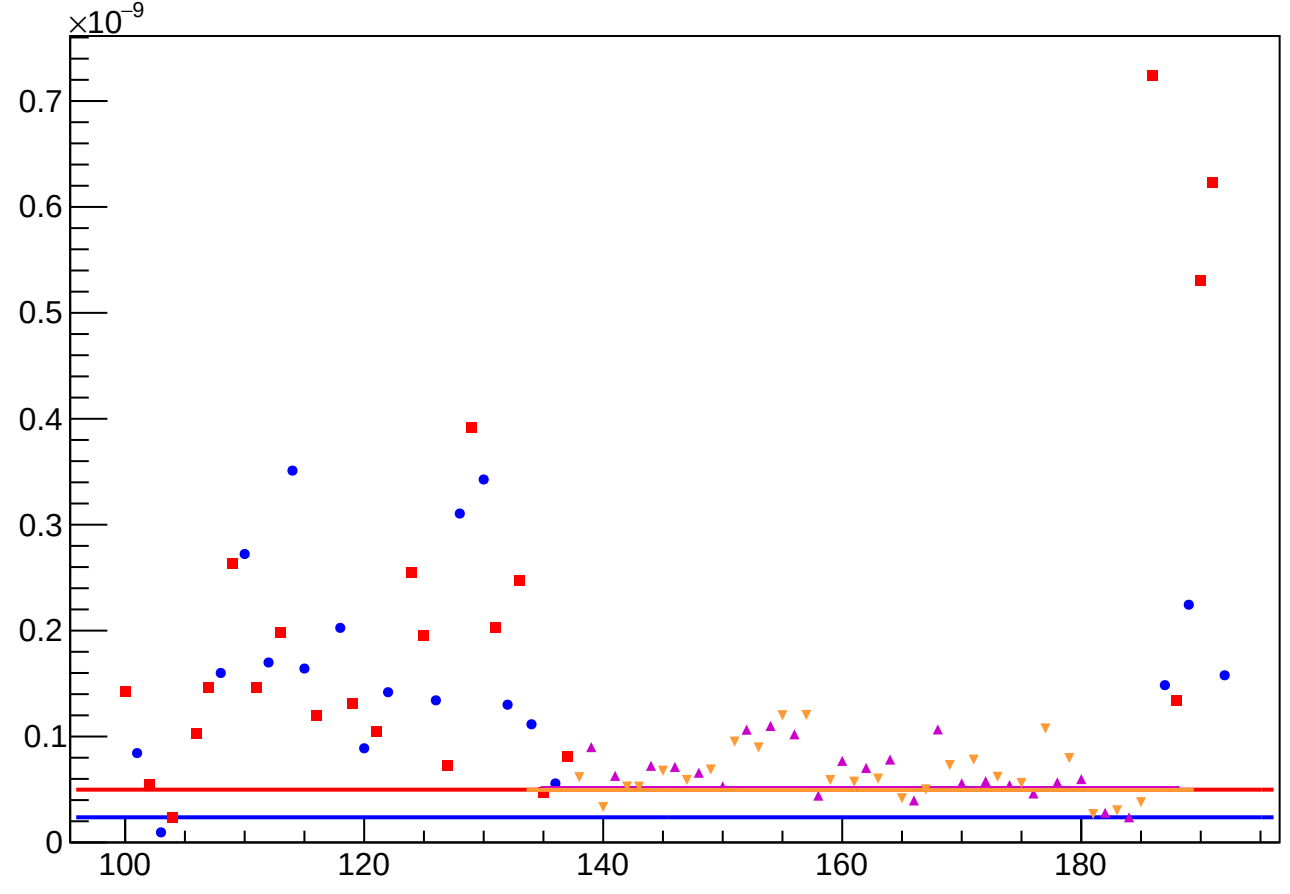
Right Out: 0.000+/-0.000 χ^2/NDF: 31.4/22

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/43

All: 0.000+/-0.000 χ^2/NDF: 89.6/89

- sign 0.000+/-0.000 χ^2/NDF: 50.3/45



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

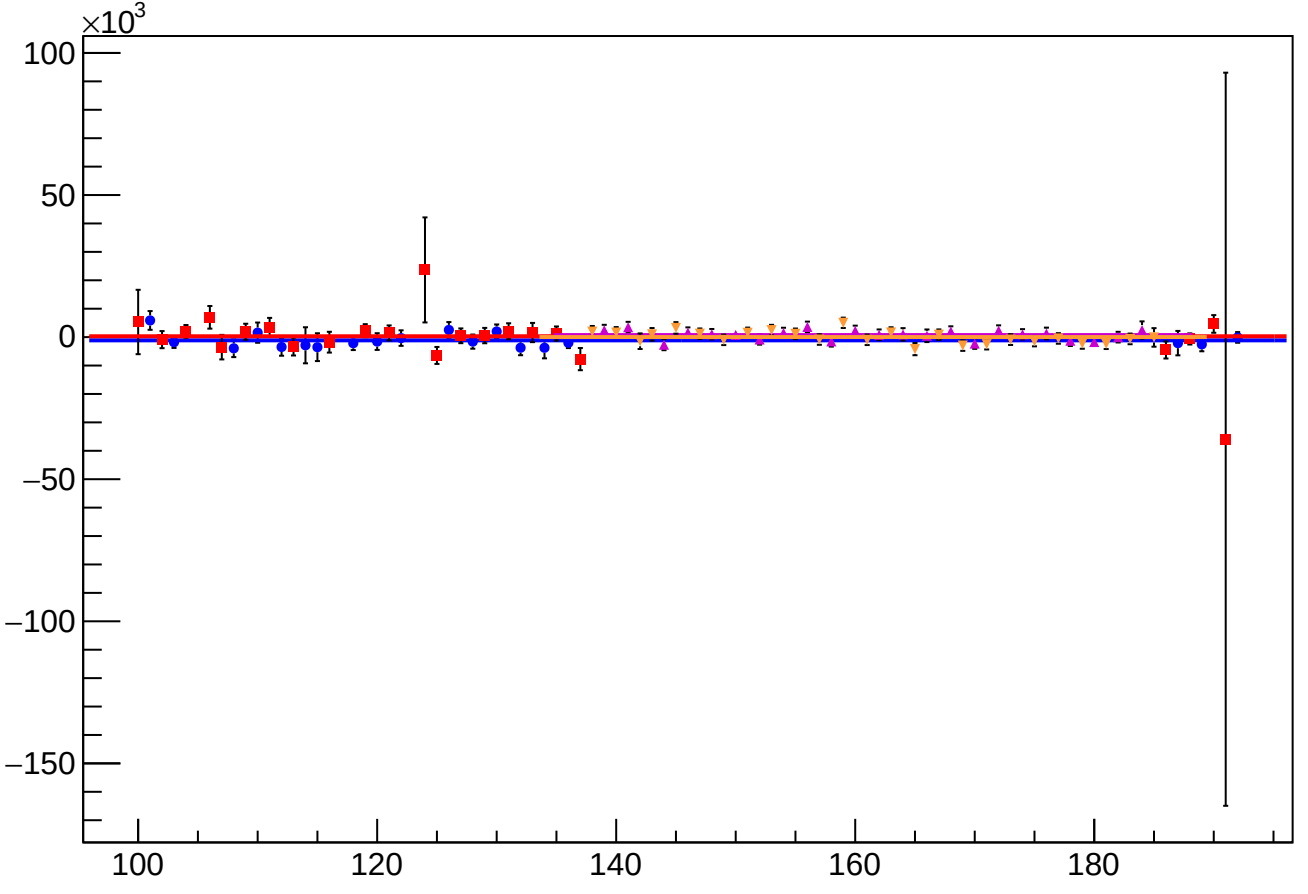
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13316105.2/43

All: 0.000+/-0.000 χ^2/NDF: 23097549.8/89

- sign 0.000+/-0.000 χ^2/NDF: 9137562.8/45

reg_asym_atl1r2_dd_mean vs Slug



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

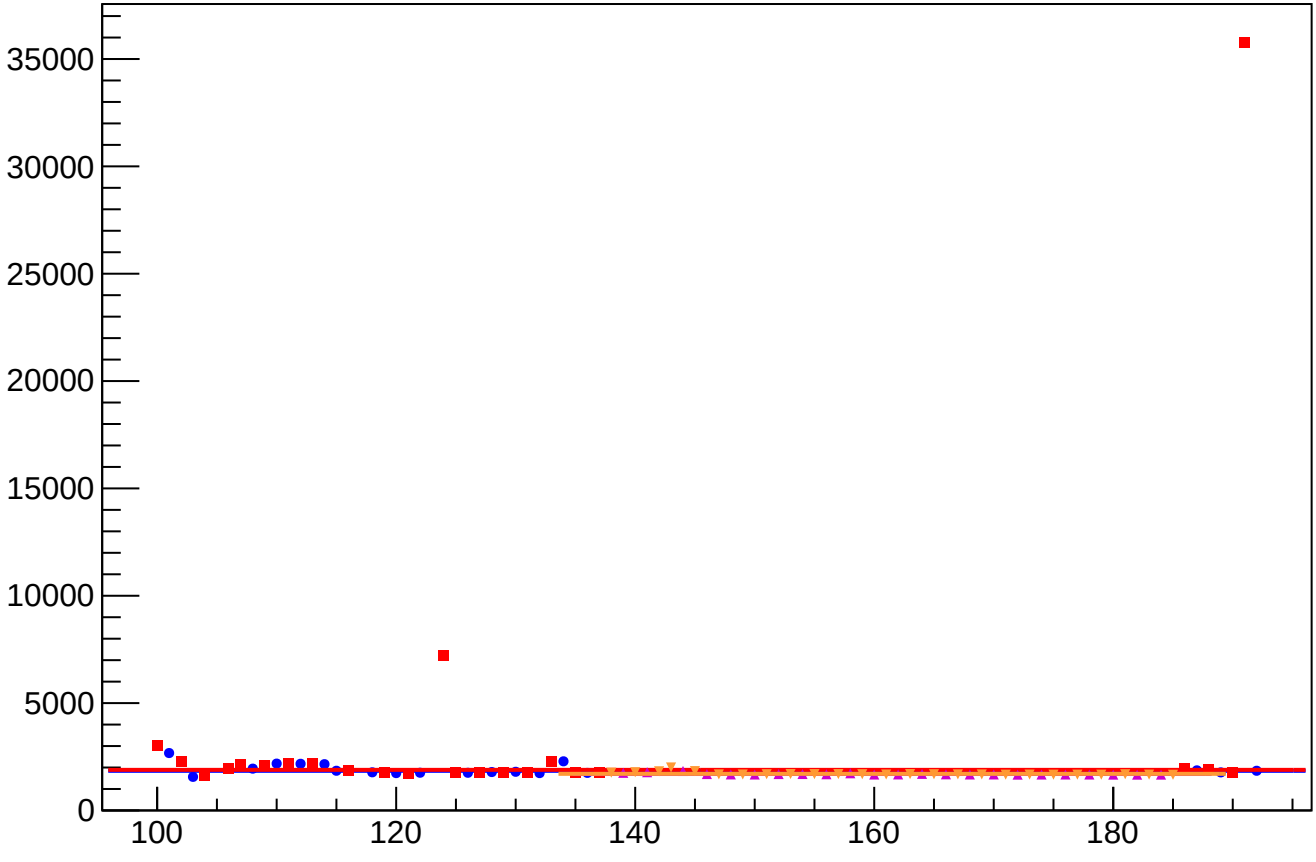
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -300.560+/-329.041 χ^2/NDF: 44.9/43

All: 140.975+/-235.175 χ^2/NDF: 92.8/89

- sign 602.075+/-336.252 χ^2/NDF: 44.3/45

reg_asym_atl1r2_dd_rms vs Slug



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

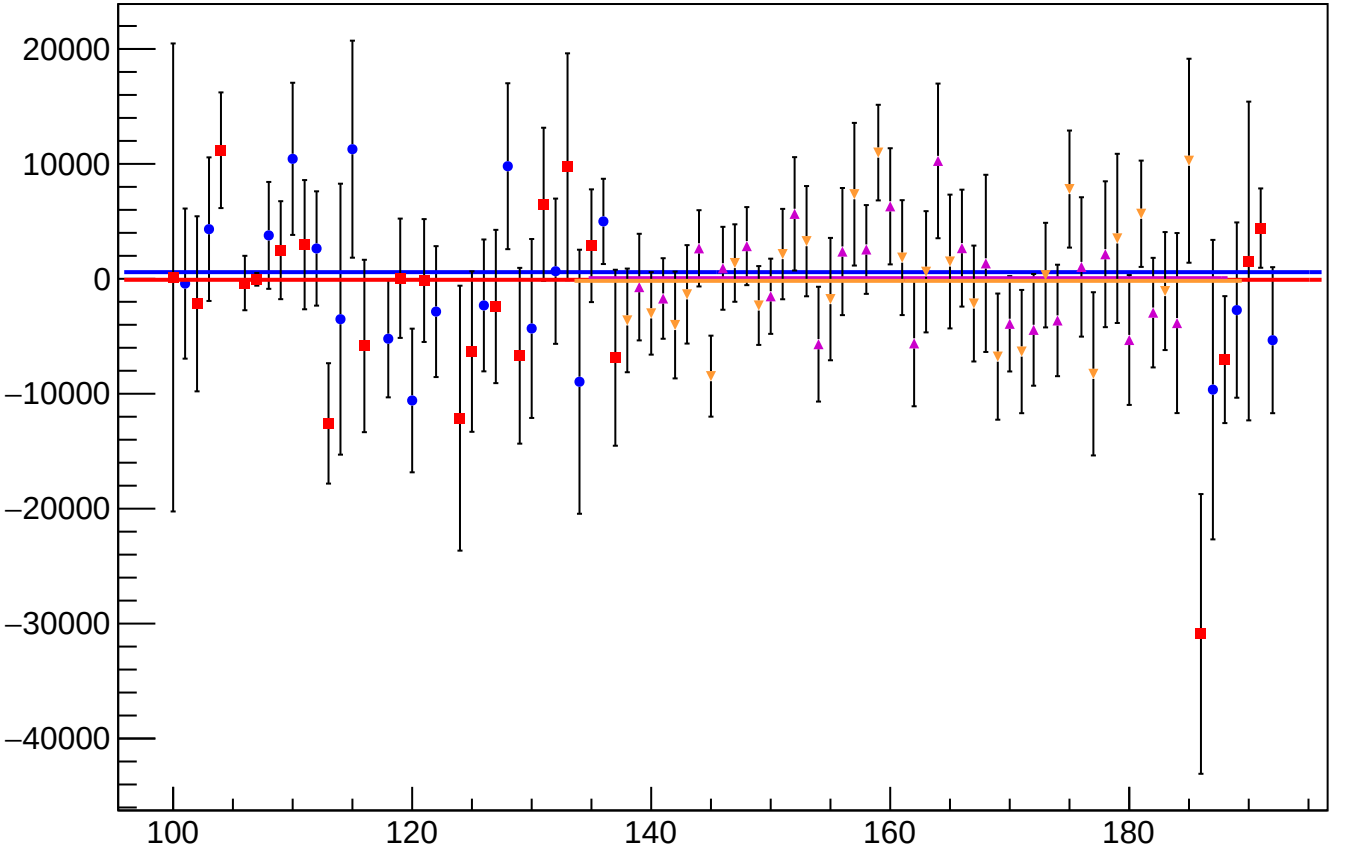
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1744.957+/-0.233 χ^2/NDF: 395338.8/43

All: 1748.359+/-0.166 χ^2/NDF: 1058936.1/89

- sign 1751.908+/-0.238 χ^2/NDF: 663160.4/45

asym_atl1r2_dd_reg_correction_mean vs Slug



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

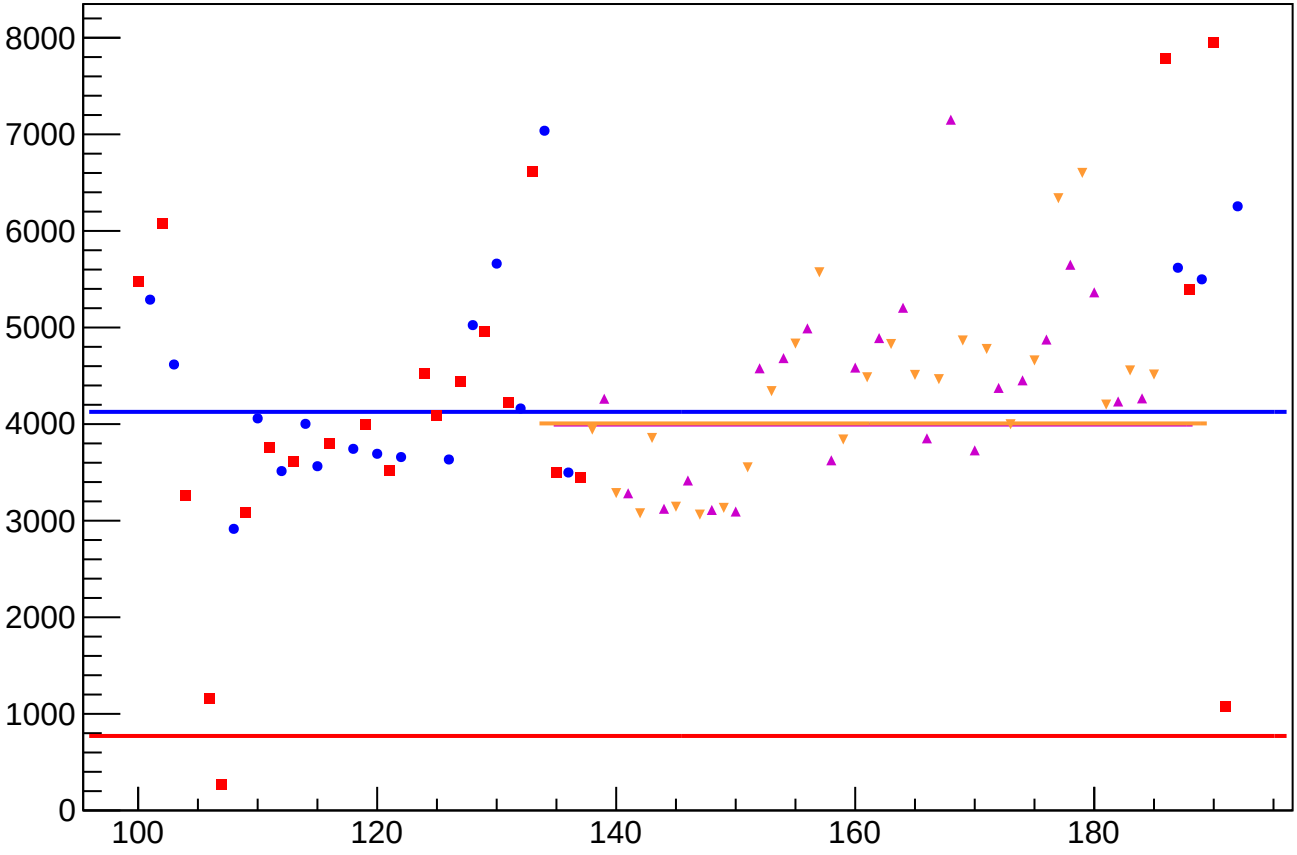
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 51.446+/-782.166 χ^2/NDF: 43.7/43

All: -29.386+/-384.417 χ^2/NDF: 85.6/89

- sign -55.129+/-441.407 χ^2/NDF: 41.9/45

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4126.734+/-1.009 χ^2/NDF: 908159.5/18

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

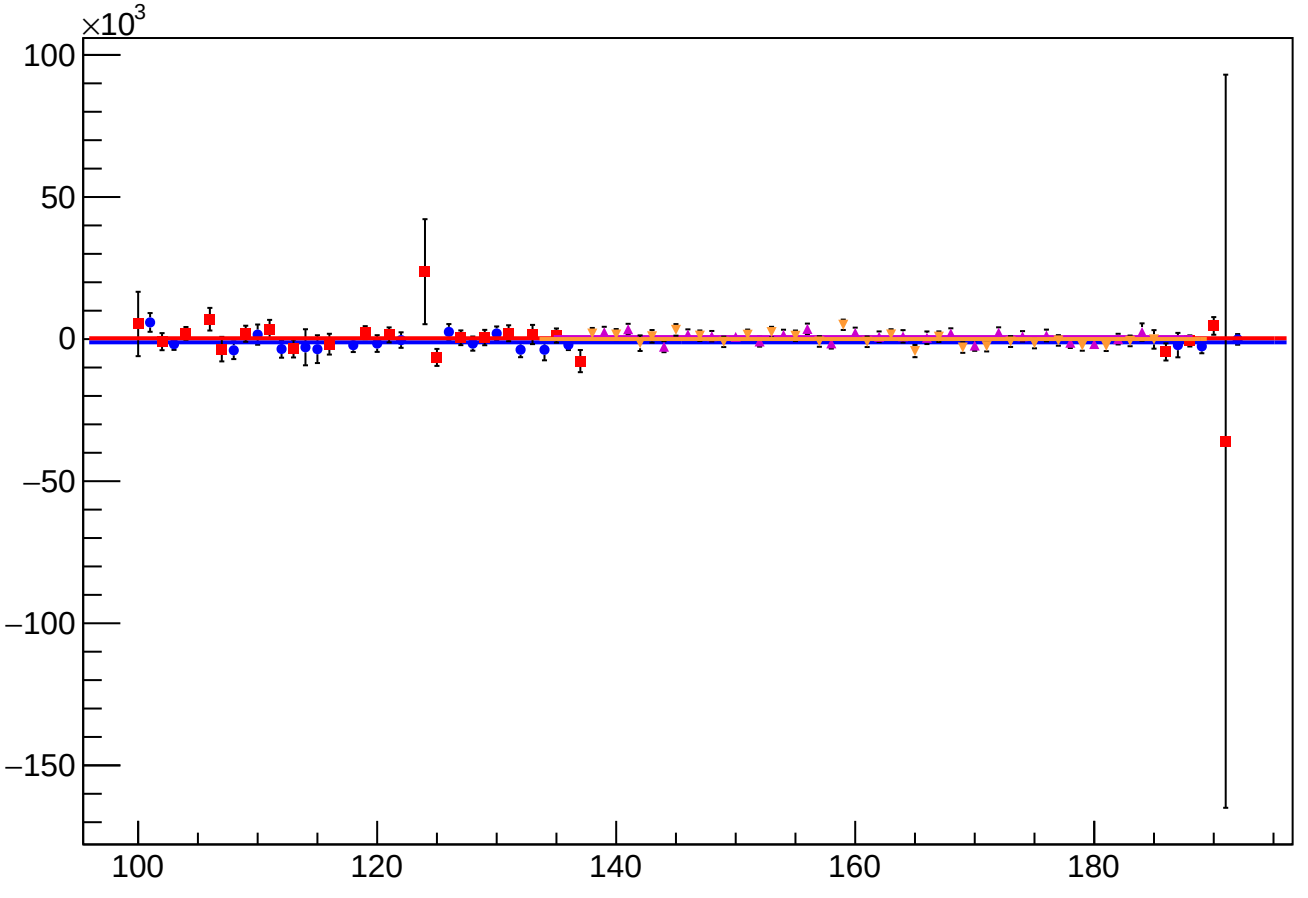
Right Out: 771.269+/-0.352 χ^2/NDF: 13268629.6/22

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4042.968+/-0.553 χ^2/NDF: 2421687.2/43

All: 2082.375+/-0.272 χ^2/NDF: 51679764.4/8

- sign 1457.966+/-0.312 χ^2/NDF: 32689659.6/45



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

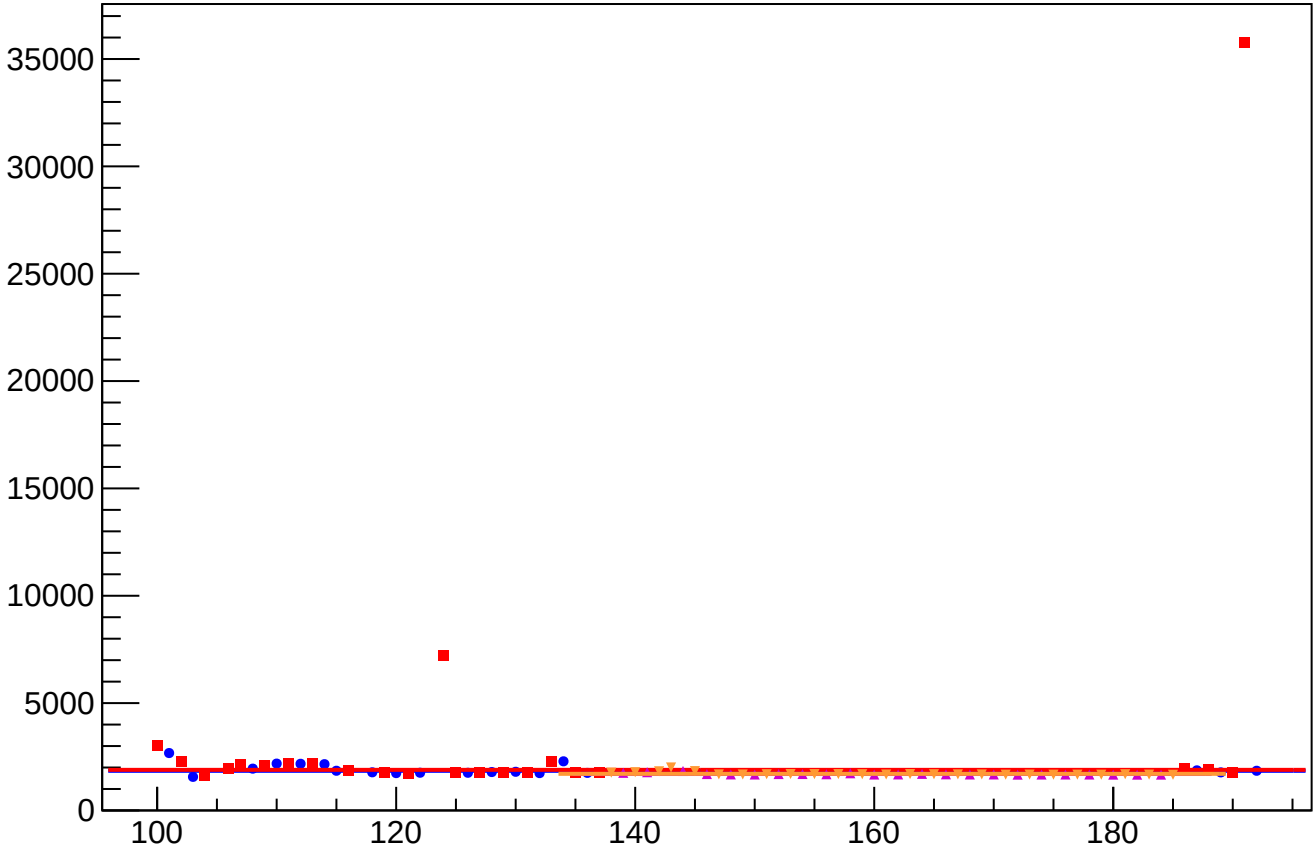
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -300.416+/-329.041 χ^2/NDF: 44.9/43

All: 141.044+/-235.175 χ^2/NDF: 92.9/89

- sign 602.066+/-336.252 χ^2/NDF: 44.3/45

cor_asym_atl1r2_dd_rms vs Slug



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

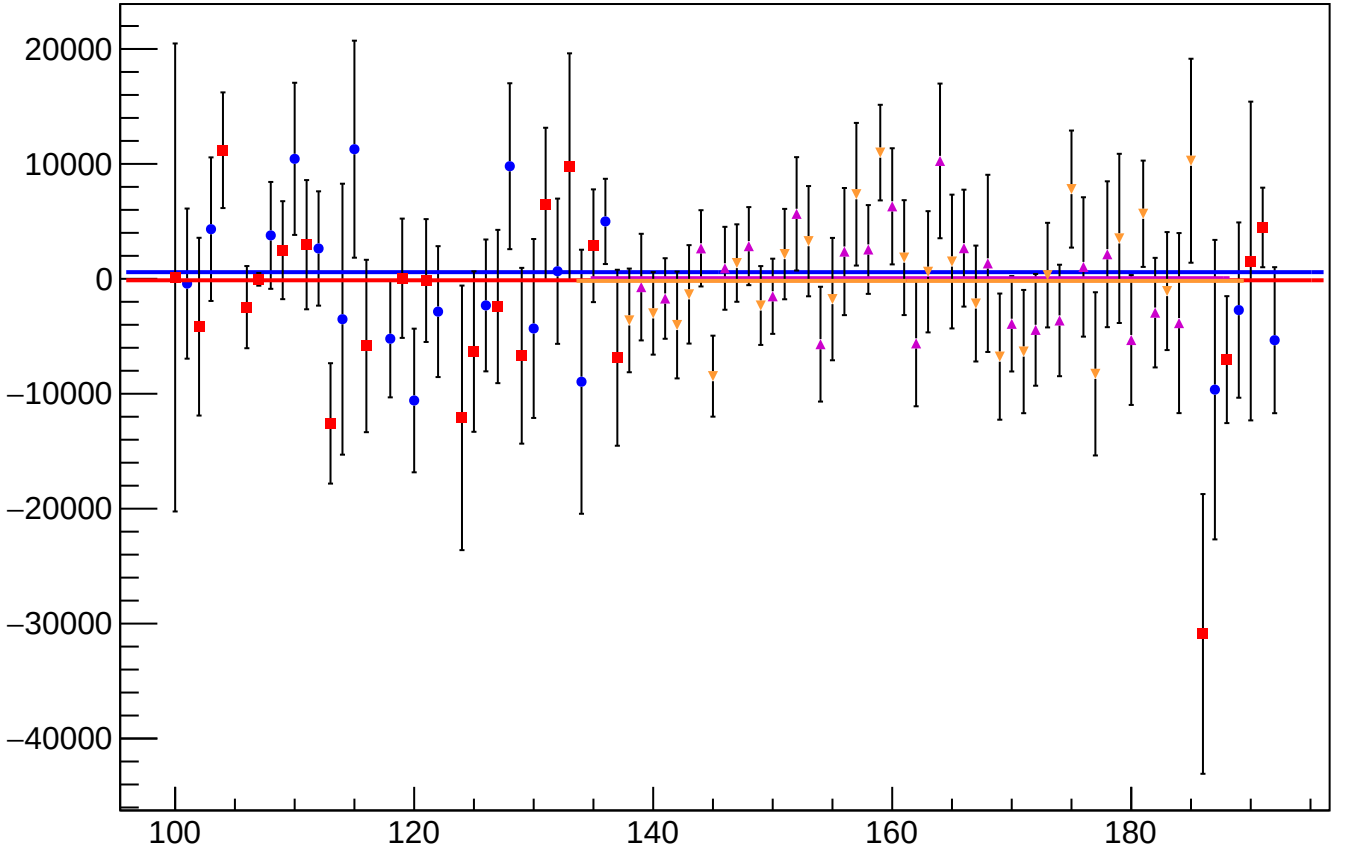
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1744.957+/-0.233 χ^2/NDF: 395338.3/43

All: 1748.403+/-0.166 χ^2/NDF: 1059641.0/89

- sign 1751.998+/-0.238 χ^2/NDF: 663854.5/45

asym_atl1r2_dd_cor_correction_mean vs Slug



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

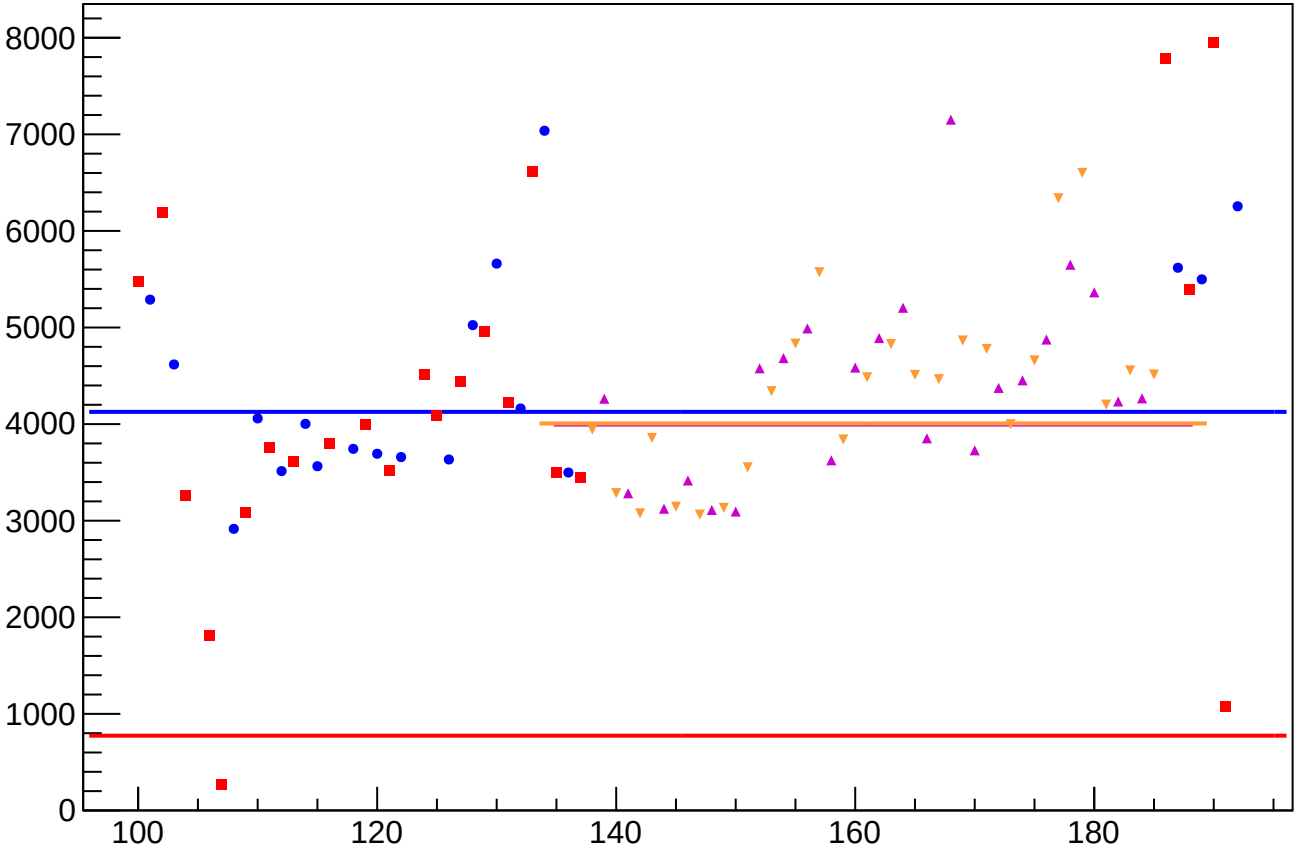
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 51.455+/-782.166 χ^2/NDF: 43.7/43

All: -53.095+/-387.305 χ^2/NDF: 86.3/89

- sign -87.058+/-445.796 χ^2/NDF: 42.6/45

asym_atl1r2_dd_cor_correction_rms vs Slug



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

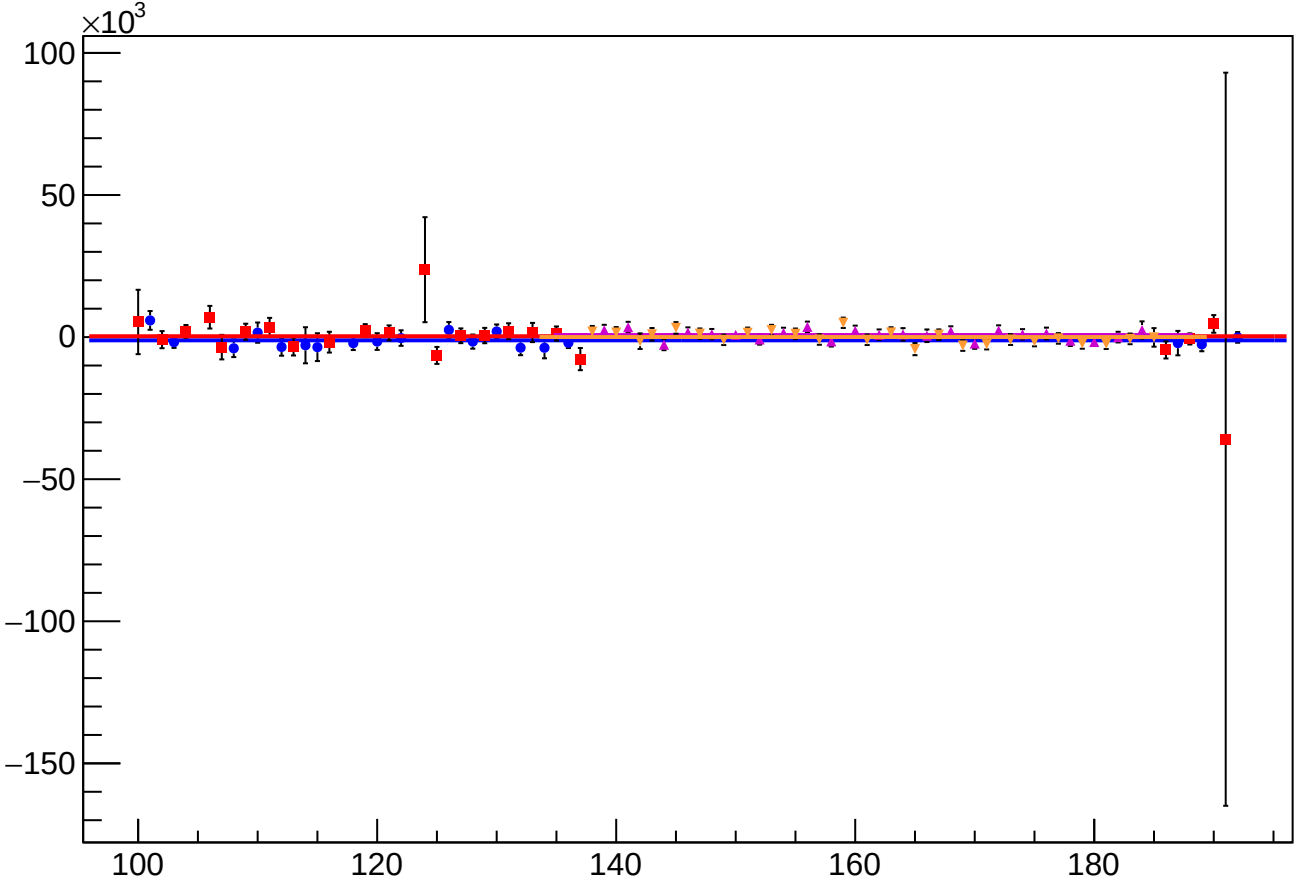
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

\+ sign 4042.965+/-0.553 χ^2/NDF: 2421734.3/43

All: 2103.892+/-0.274 χ^2/NDF: 51393781.6/8

\- sign 1473.996+/-0.315 χ^2/NDF: 32687116.5/45

eigen_cor_asym_atl1r2_dd_mean vs Slug



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

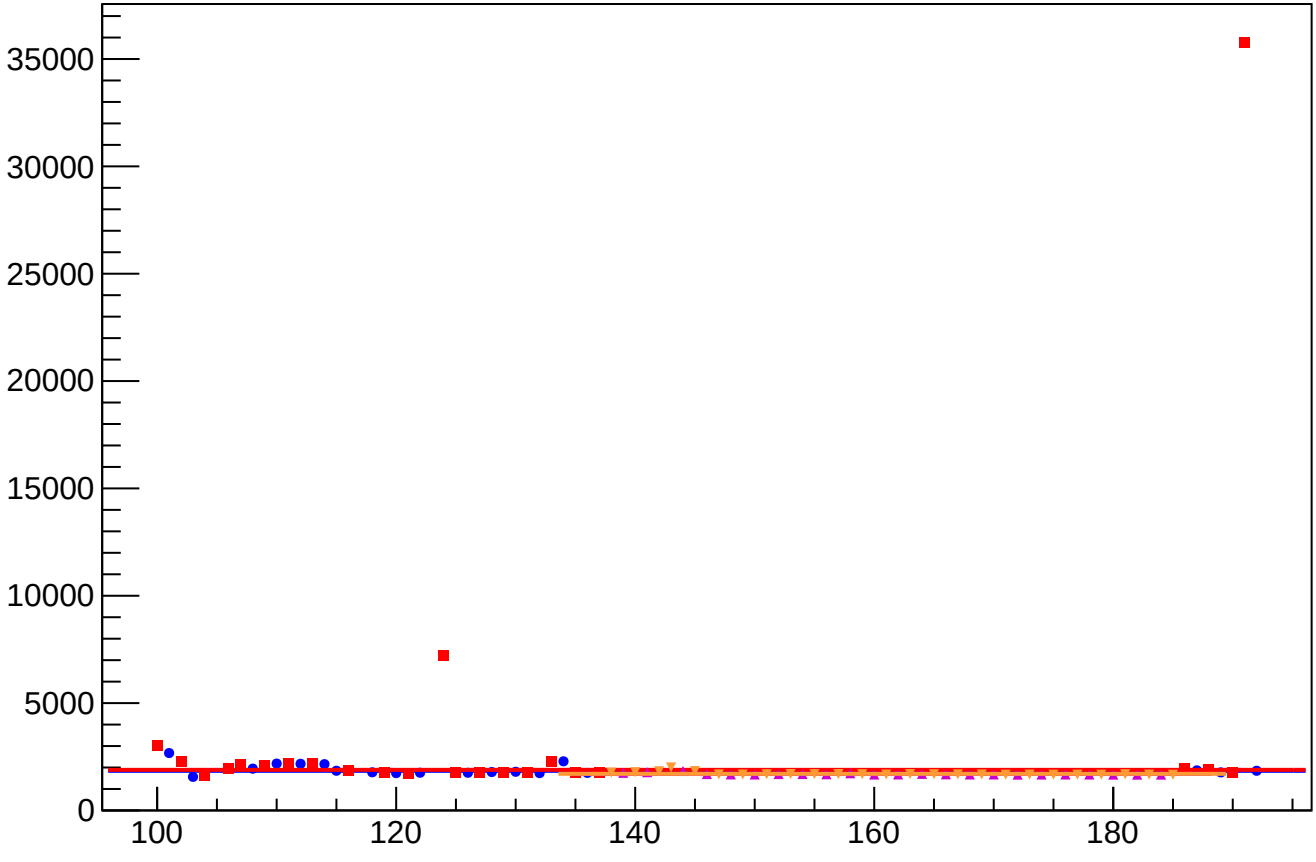
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -300.416+/-329.041 χ^2/NDF: 44.9/43

All: 141.044+/-235.175 χ^2/NDF: 92.9/89

- sign 602.066+/-336.252 χ^2/NDF: 44.3/45

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1846.157+/-0.440 χ^2/NDF: 261899.2/18

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

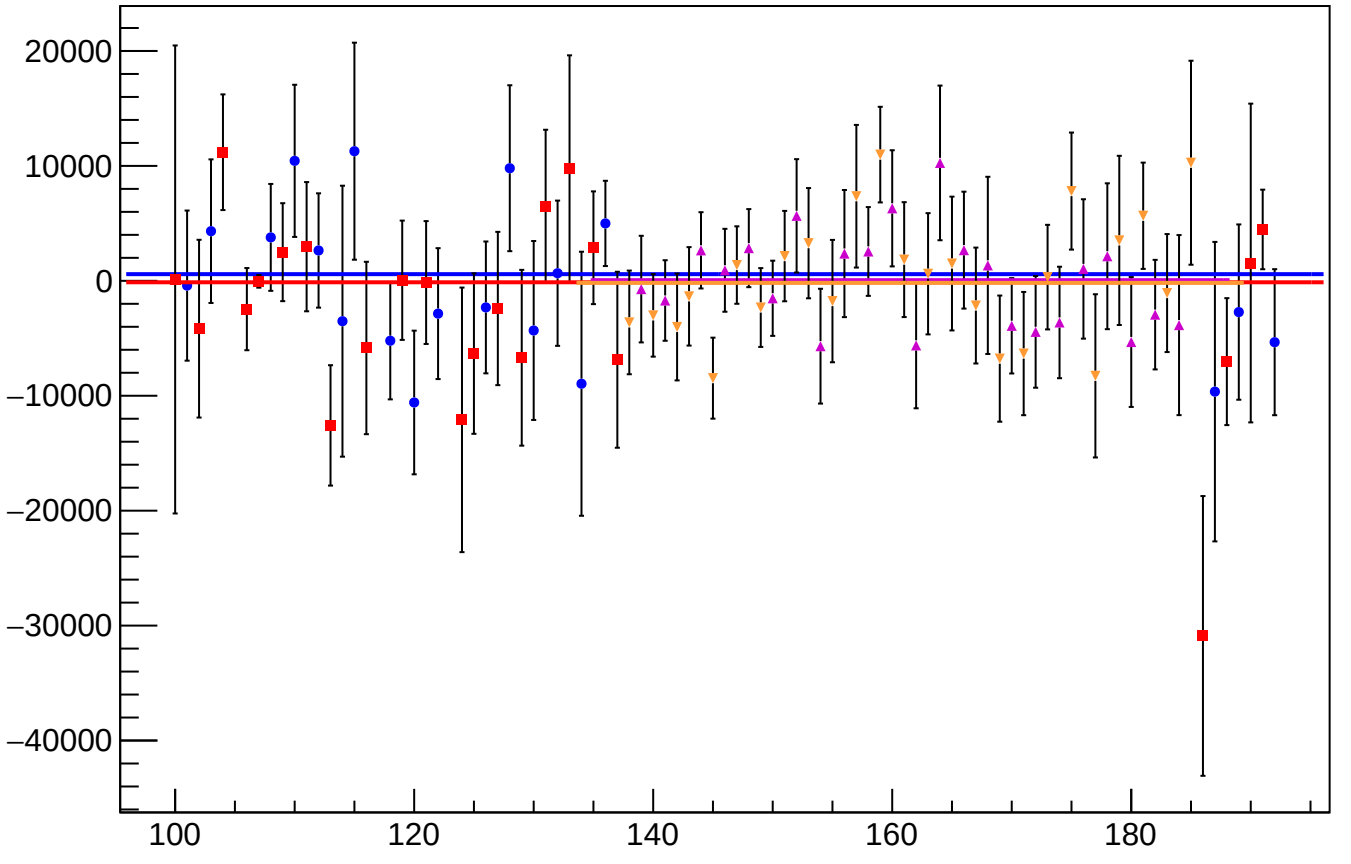
Right Out: 1891.196+/-0.448 χ^2/NDF: 508426.9/22

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1744.957+/-0.233 χ^2/NDF: 395338.3/43

All: 1748.403+/-0.166 χ^2/NDF: 1059641.0/89

- sign 1751.998+/-0.238 χ^2/NDF: 663854.5/45



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

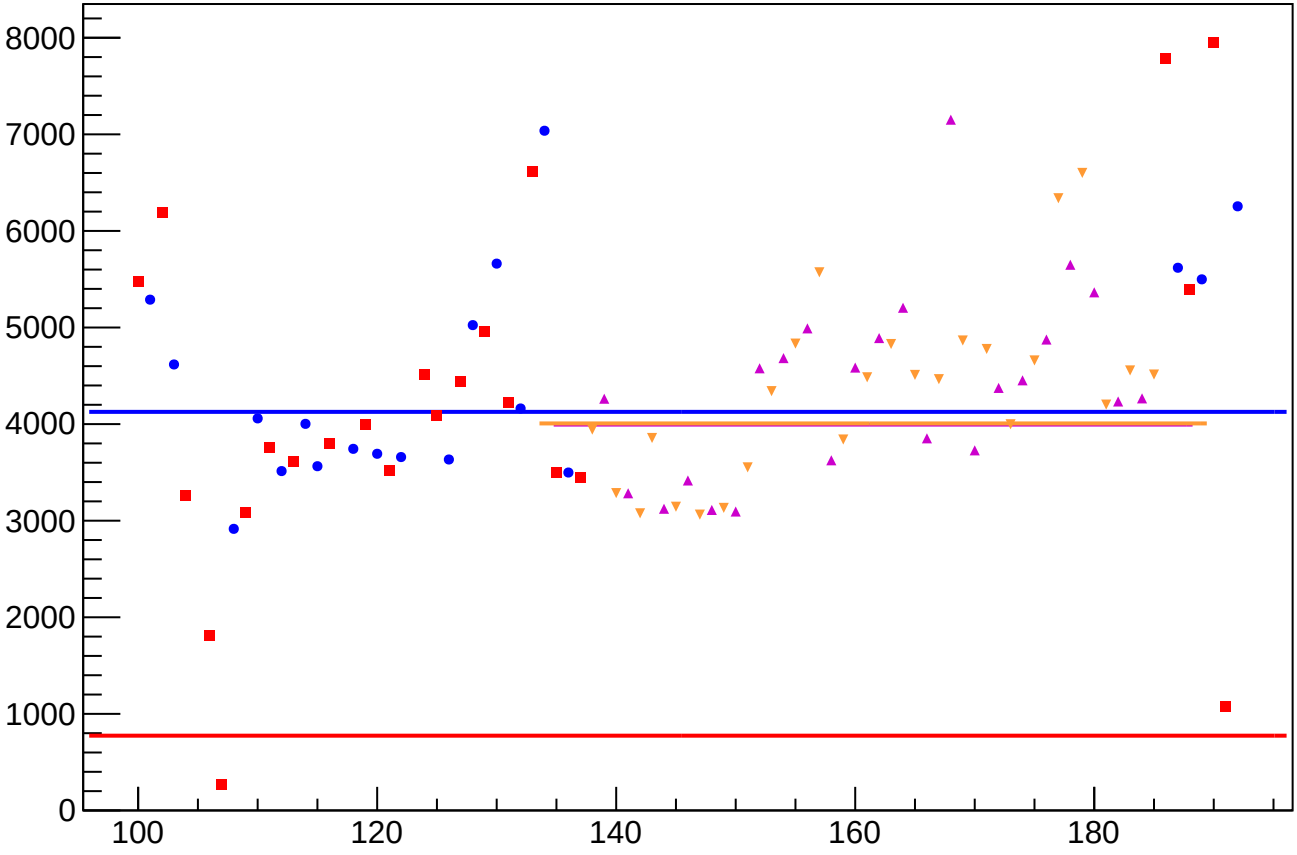
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 51.455+/-782.166 χ^2/NDF: 43.7/43

All: -53.095+/-387.305 χ^2/NDF: 86.3/89

- sign -87.058+/-445.796 χ^2/NDF: 42.6/45

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



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

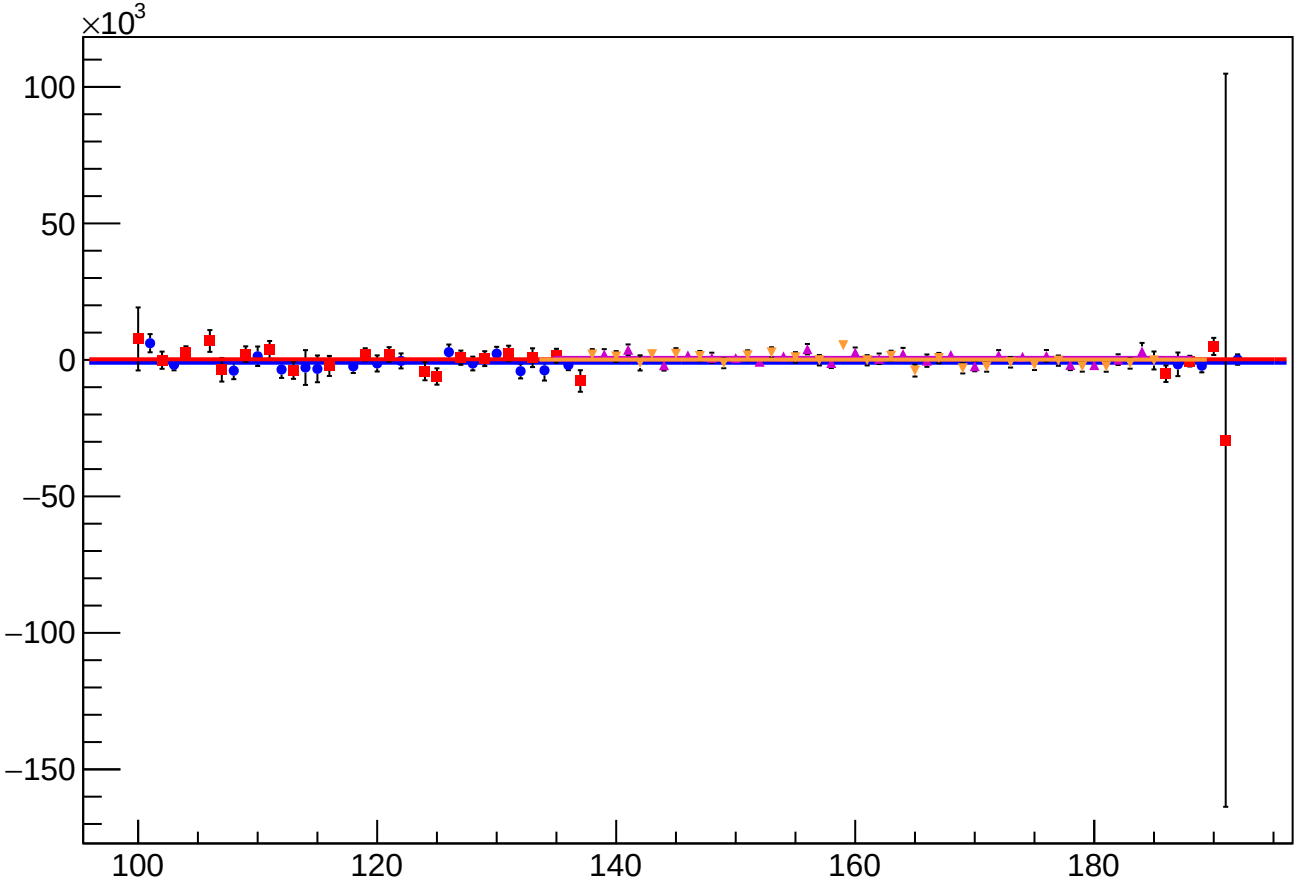
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4042.965+/-0.553 χ^2/NDF: 2421734.3/43

All: 2103.892+/-0.274 χ^2/NDF: 51393781.6/8

- sign 1473.996+/-0.315 χ^2/NDF: 32687116.5/45

dit_asym_atl1r2_dd_mean vs Slug



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

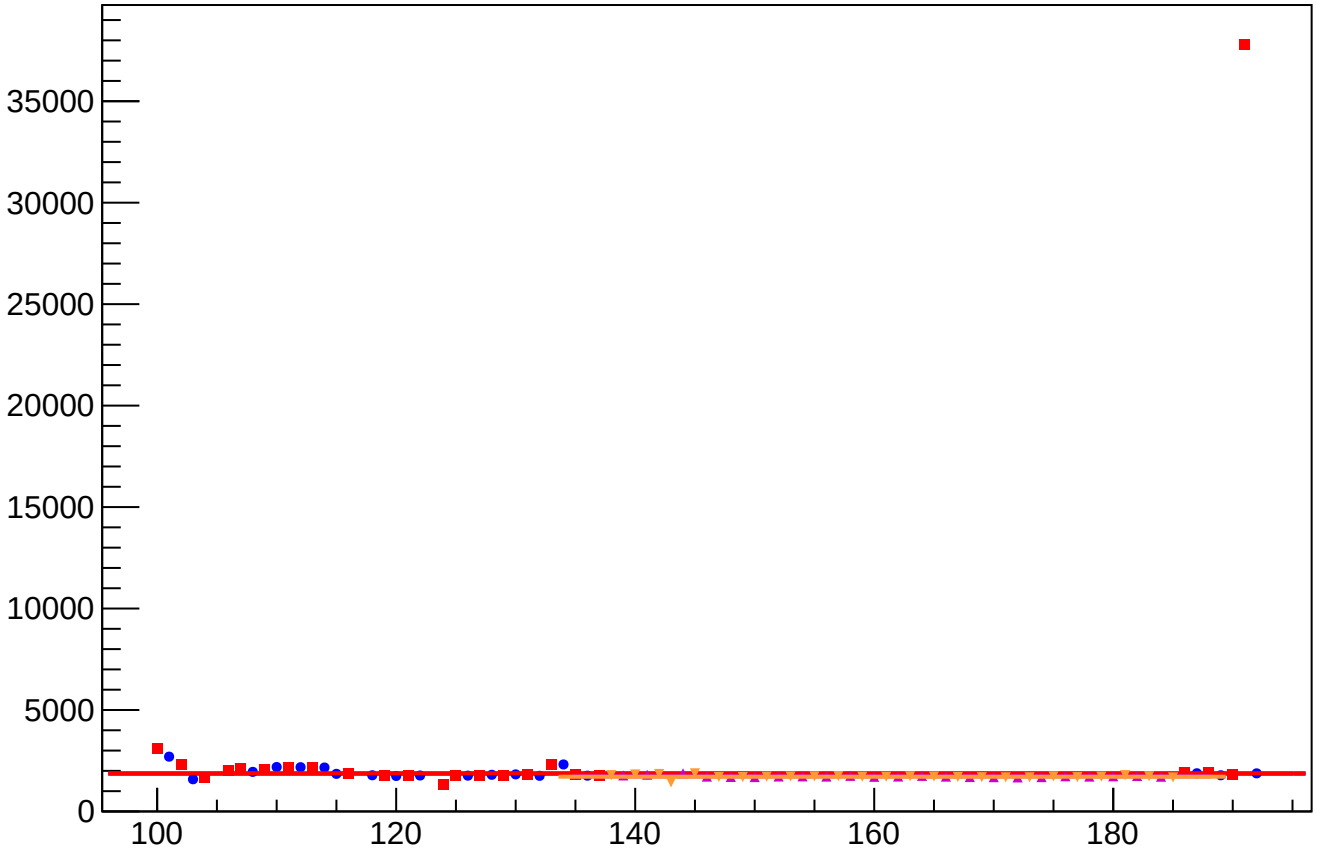
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -201.171+/-330.915 χ^2/NDF: 45.9/43

All: 183.837+/-237.238 χ^2/NDF: 94.5/89

- sign 590.971+/-340.291 χ^2/NDF: 45.8/45

dit_asym_atl1r2_dd_rms vs Slug



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

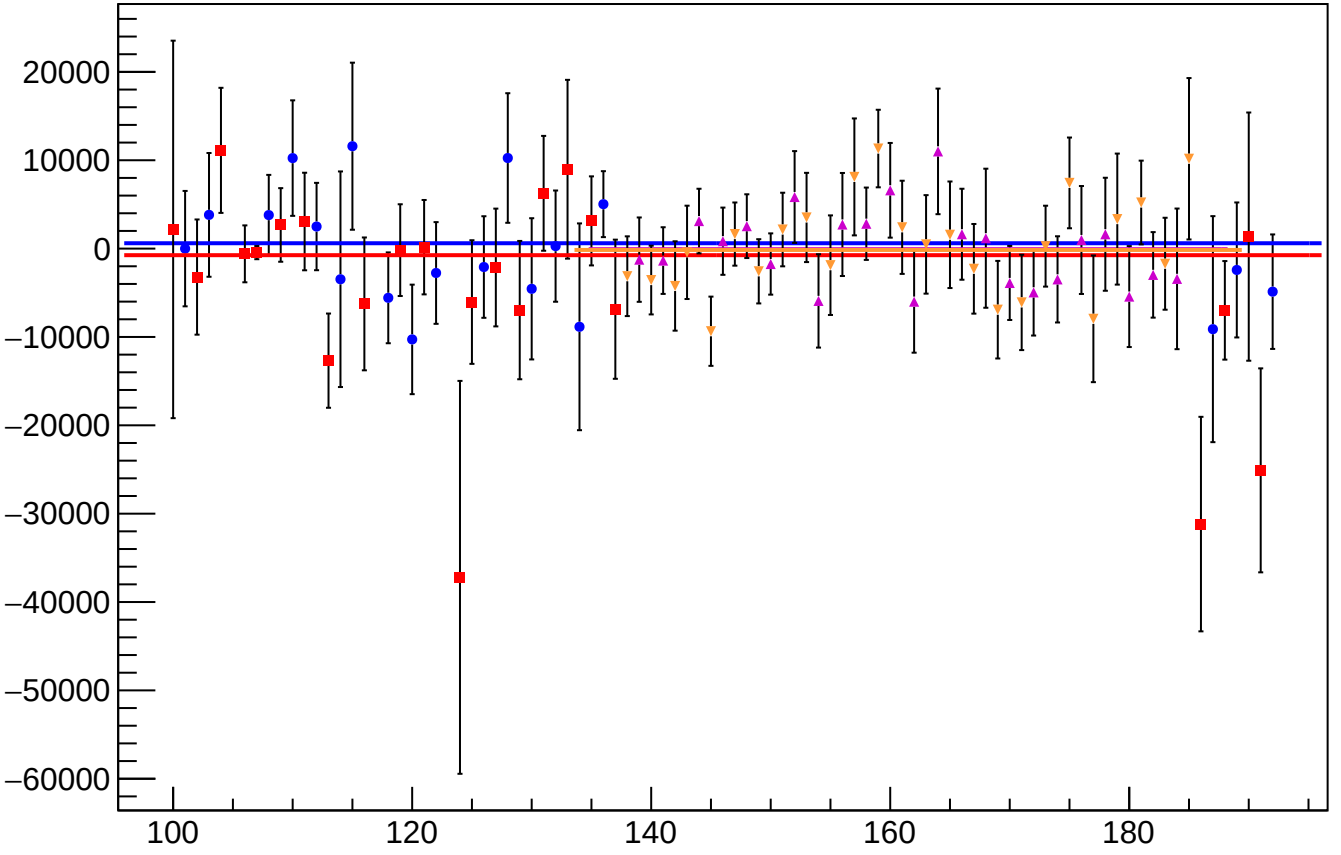
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1754.064+/-0.234 χ^2/NDF: 435664.9/43

All: 1764.126+/-0.168 χ^2/NDF: 953020.5/89

- sign 1774.763+/-0.241 χ^2/NDF: 513551.7/45

asym_atl1r2_dd_dit_correction_mean vs Slug



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

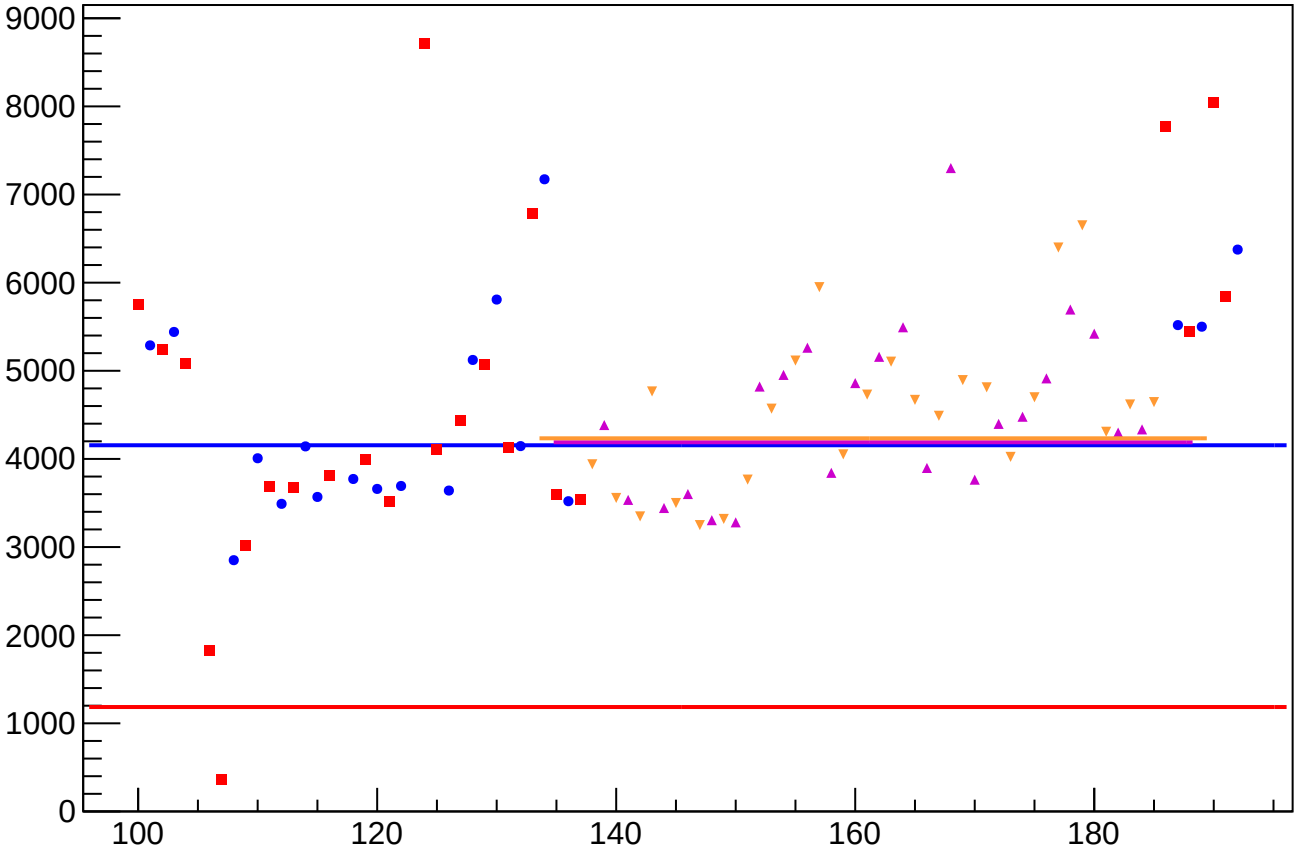
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 92.225+/-812.424 χ^2/NDF: 42.3/43

All: -344.745+/-453.029 χ^2/NDF: 86.1/89

- sign -541.937+/-545.758 χ^2/NDF: 43.4/45

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4155.071+/-1.016 χ^2/NDF: 1020366.4/18

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

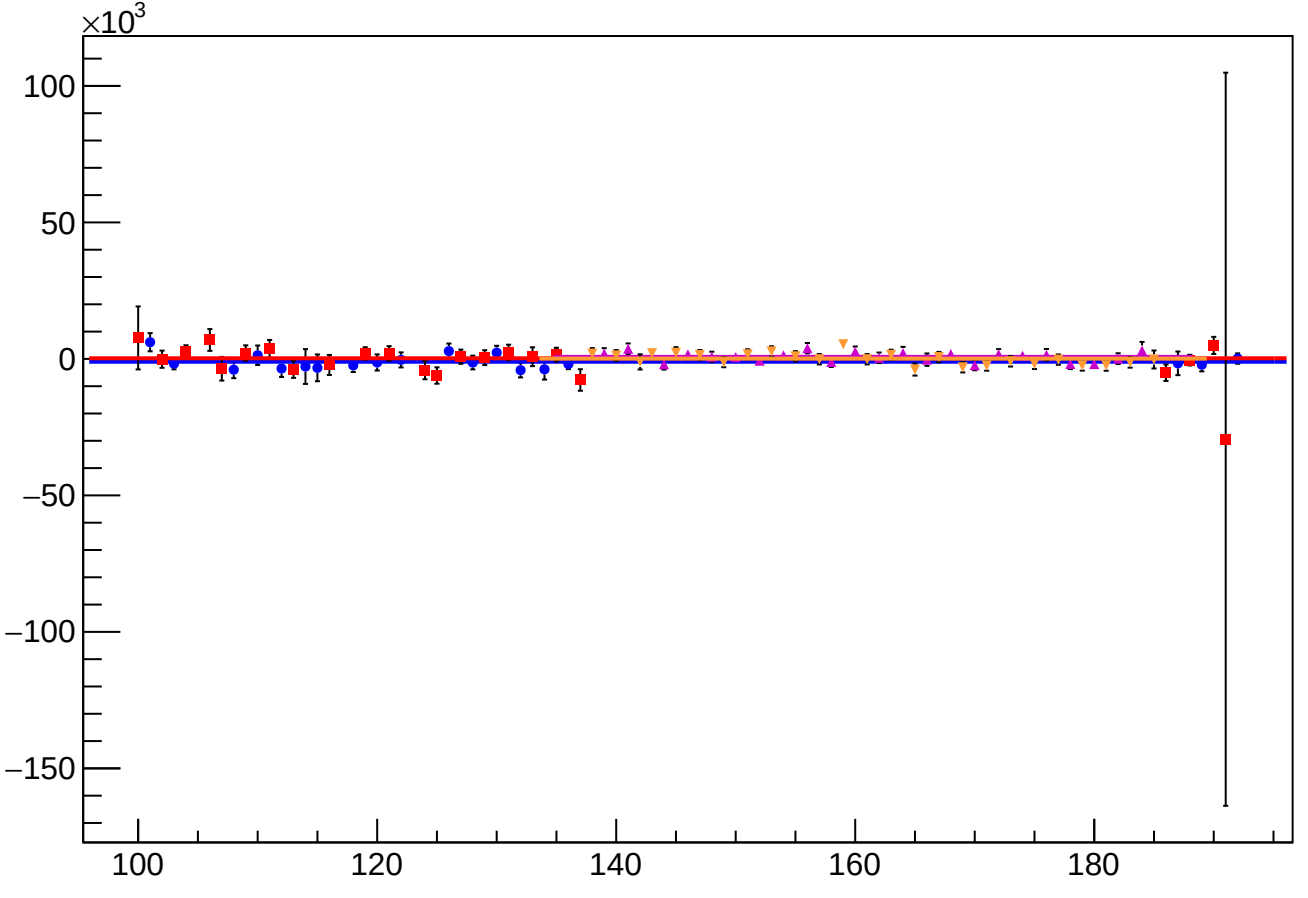
Right Out: 1184.915+/-0.461 χ^2/NDF: 12169406.5/22

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4208.703+/-0.574 χ^2/NDF: 2309245.2/43

All: 2741.544+/-0.320 χ^2/NDF: 37959748.9/8

- sign 2079.460+/-0.386 χ^2/NDF: 26184493.4/45



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

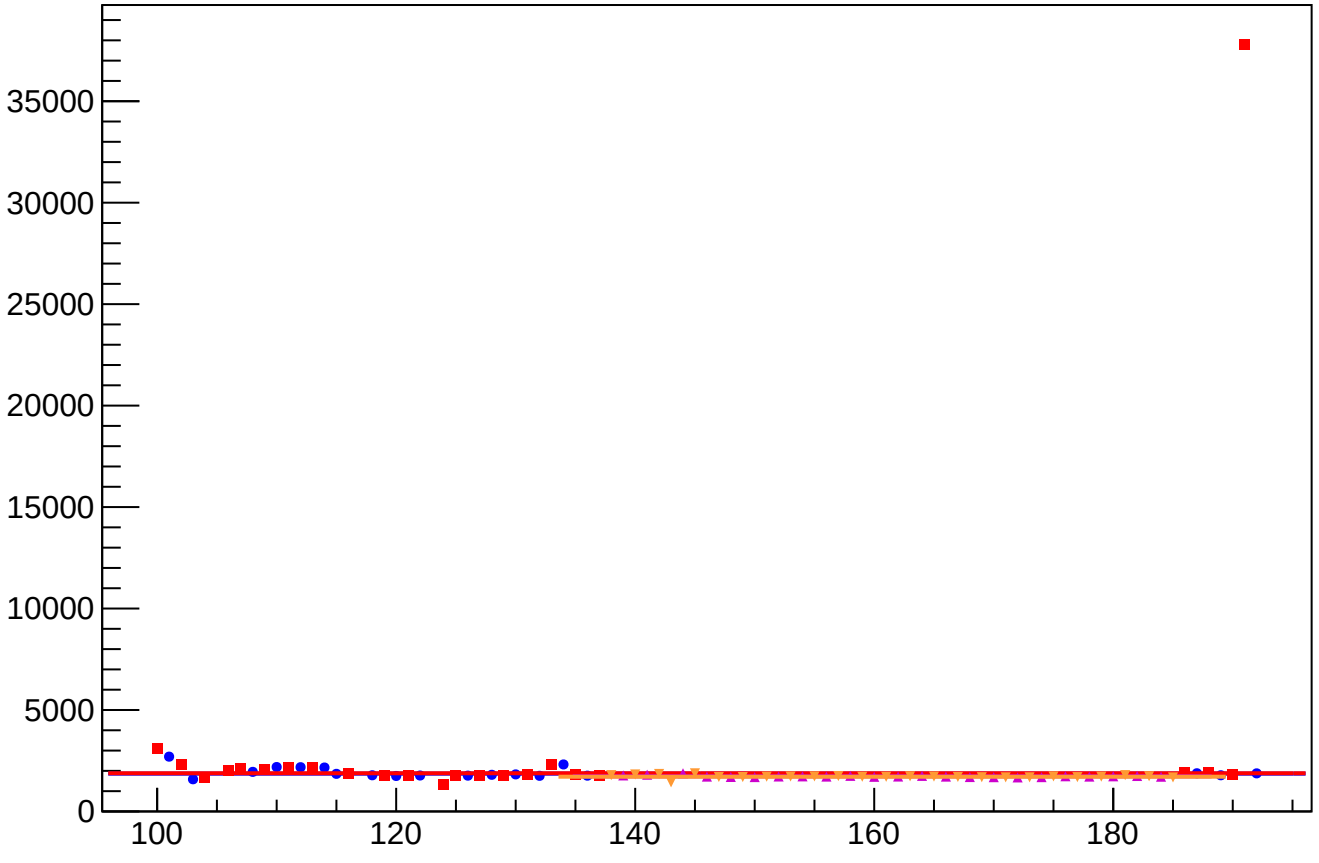
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

\+ sign -201.170+/-330.915 χ^2/NDF: 45.9/43

All: 183.838+/-237.238 χ^2/NDF: 94.5/89

\- sign 590.971+/-340.291 χ^2/NDF: 45.8/45

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1862.482+/-0.444 χ^2/NDF: 258585.5/18

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

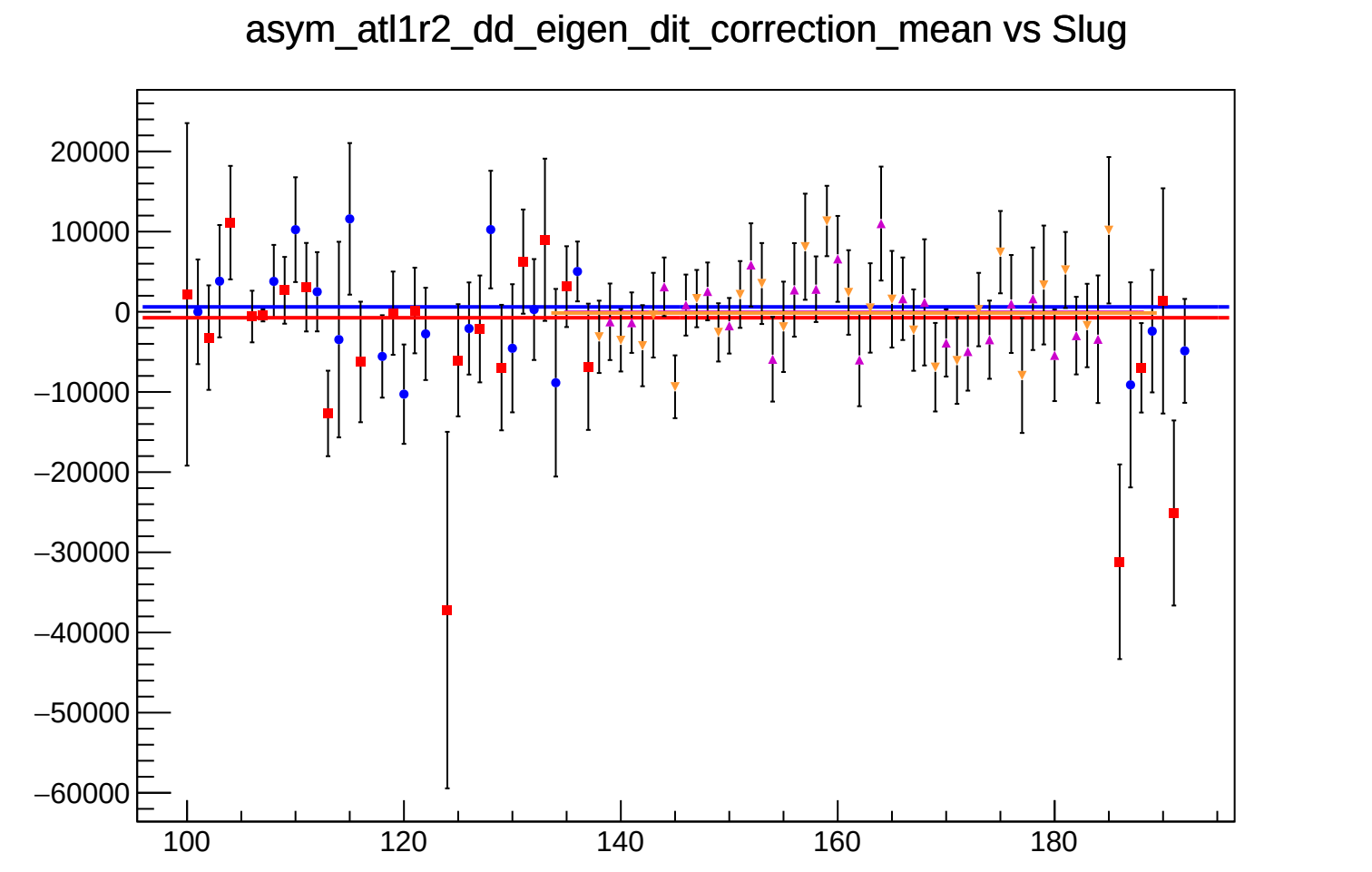
Right Out: 1882.799+/-0.446 χ^2/NDF: 407556.9/22

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1754.064+/-0.234 χ^2/NDF: 435662.9/43

All: 1764.127+/-0.168 χ^2/NDF: 953018.1/89

- sign 1774.763+/-0.241 χ^2/NDF: 513551.3/45



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

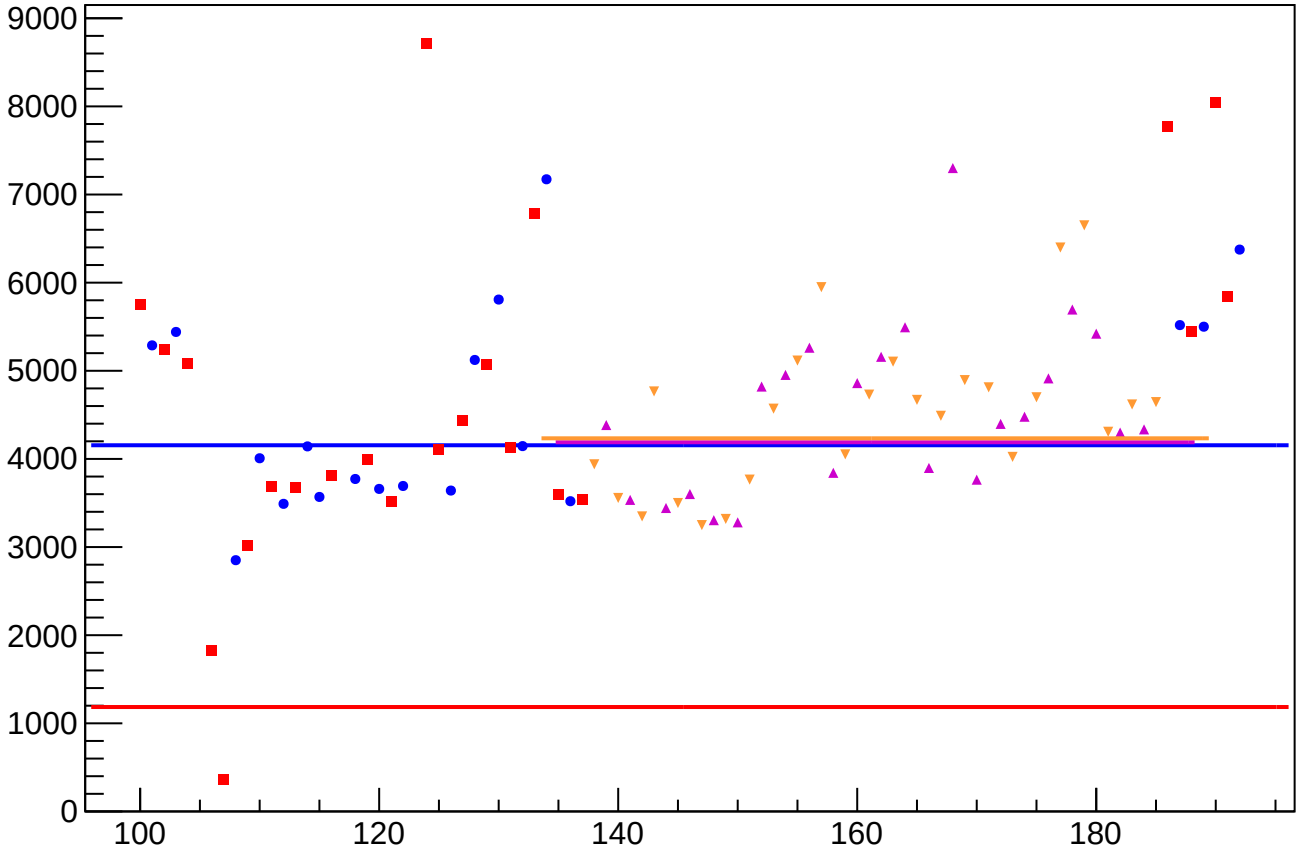
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 92.221+/-812.424 χ^2/NDF: 42.3/43

All: -344.749+/-453.033 χ^2/NDF: 86.1/89

- sign -541.944+/-545.765 χ^2/NDF: 43.4/45

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4155.065+/-1.016 χ^2/NDF: 1020366.2/18

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

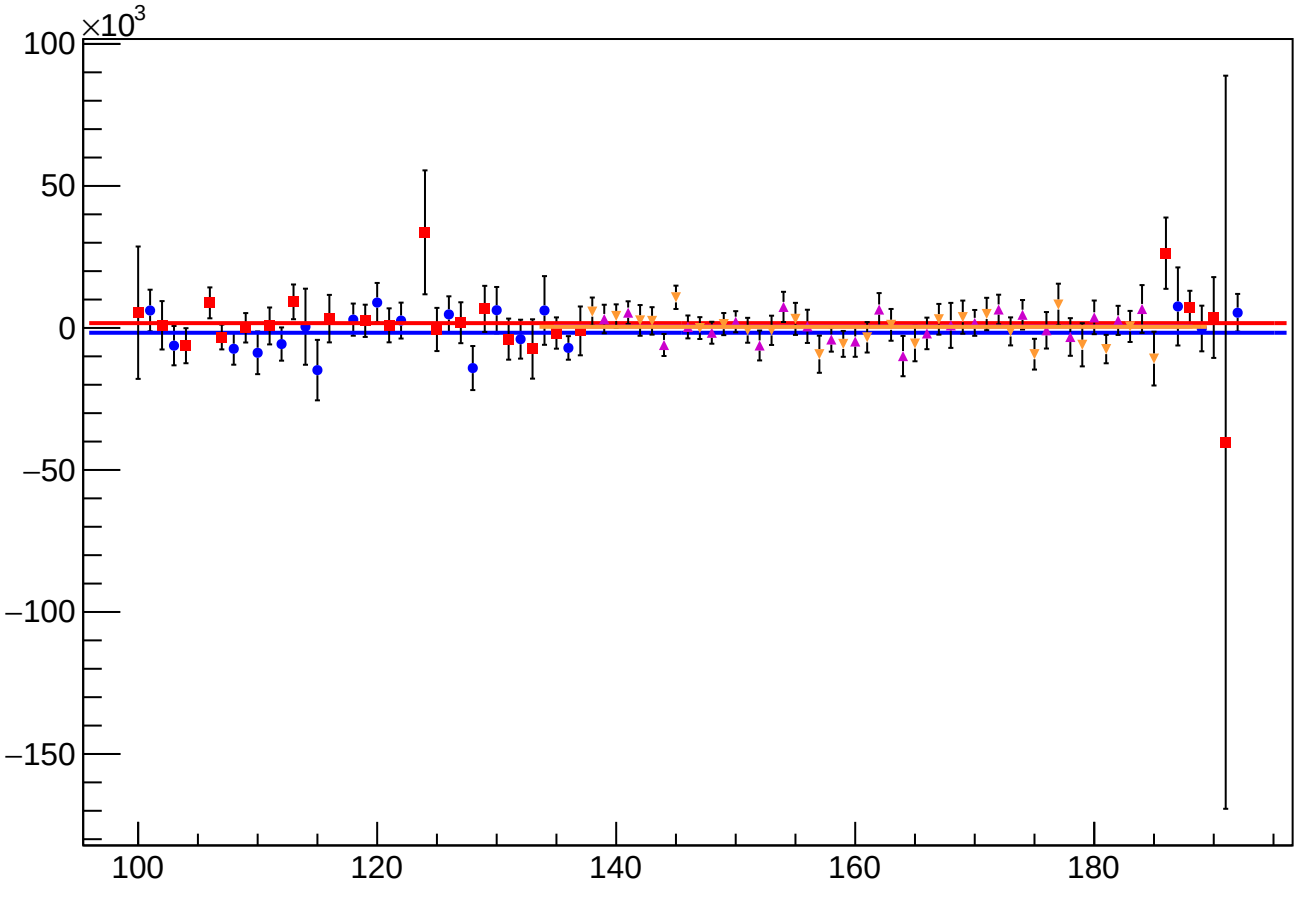
Right Out: 1184.949+/-0.461 χ^2/NDF: 12169244.5/22

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4208.705+/-0.574 χ^2/NDF: 2309248.7/43

All: 2741.585+/-0.320 χ^2/NDF: 37958768.5/8

- sign 2079.504+/-0.386 χ^2/NDF: 26183955.8/45



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

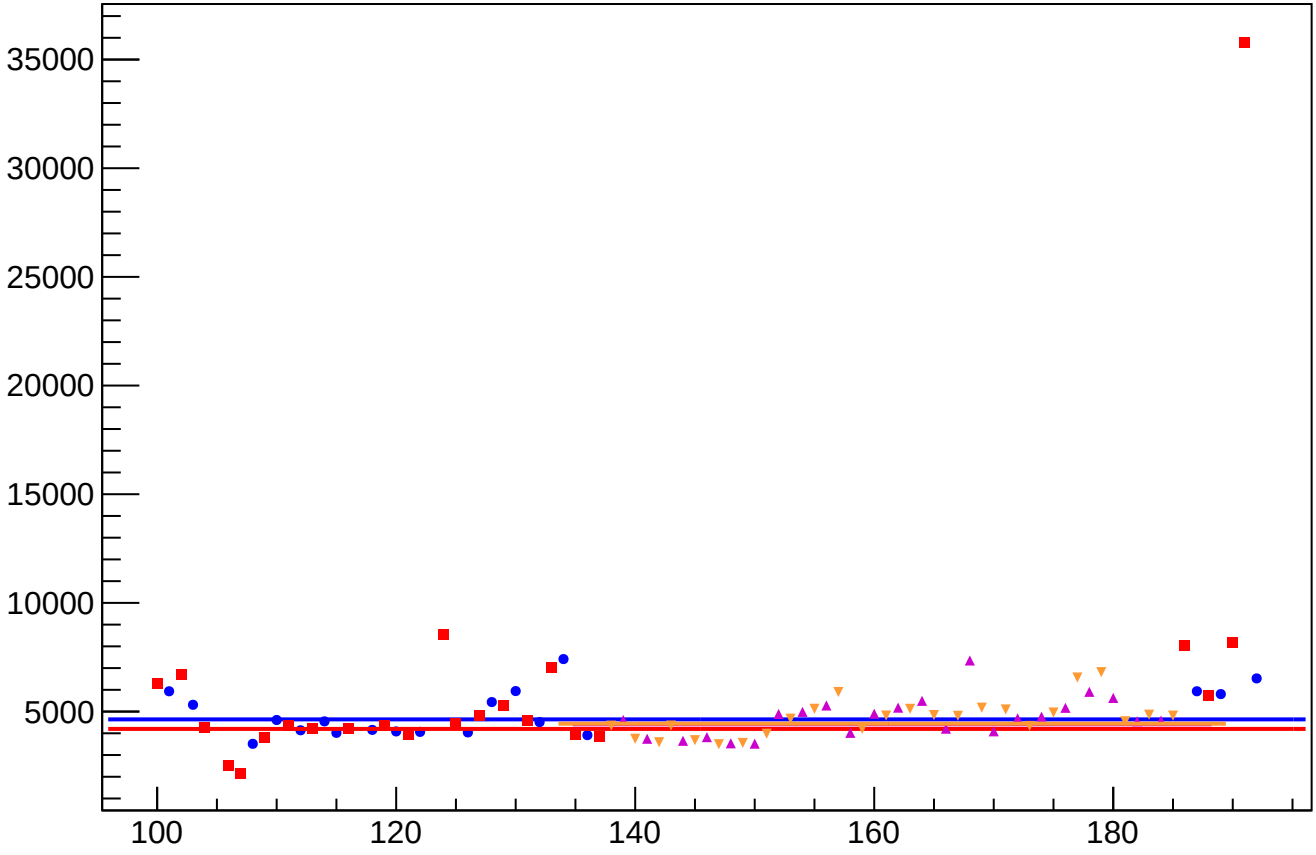
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

\+ sign -219.104+/-863.442 χ^2/NDF: 43.3/43

All: 347.282+/-607.786 χ^2/NDF: 77.6/89

\- sign 903.542+/-855.689 χ^2/NDF: 33.5/45

asym_atl1r2_dd_rms vs Slug



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

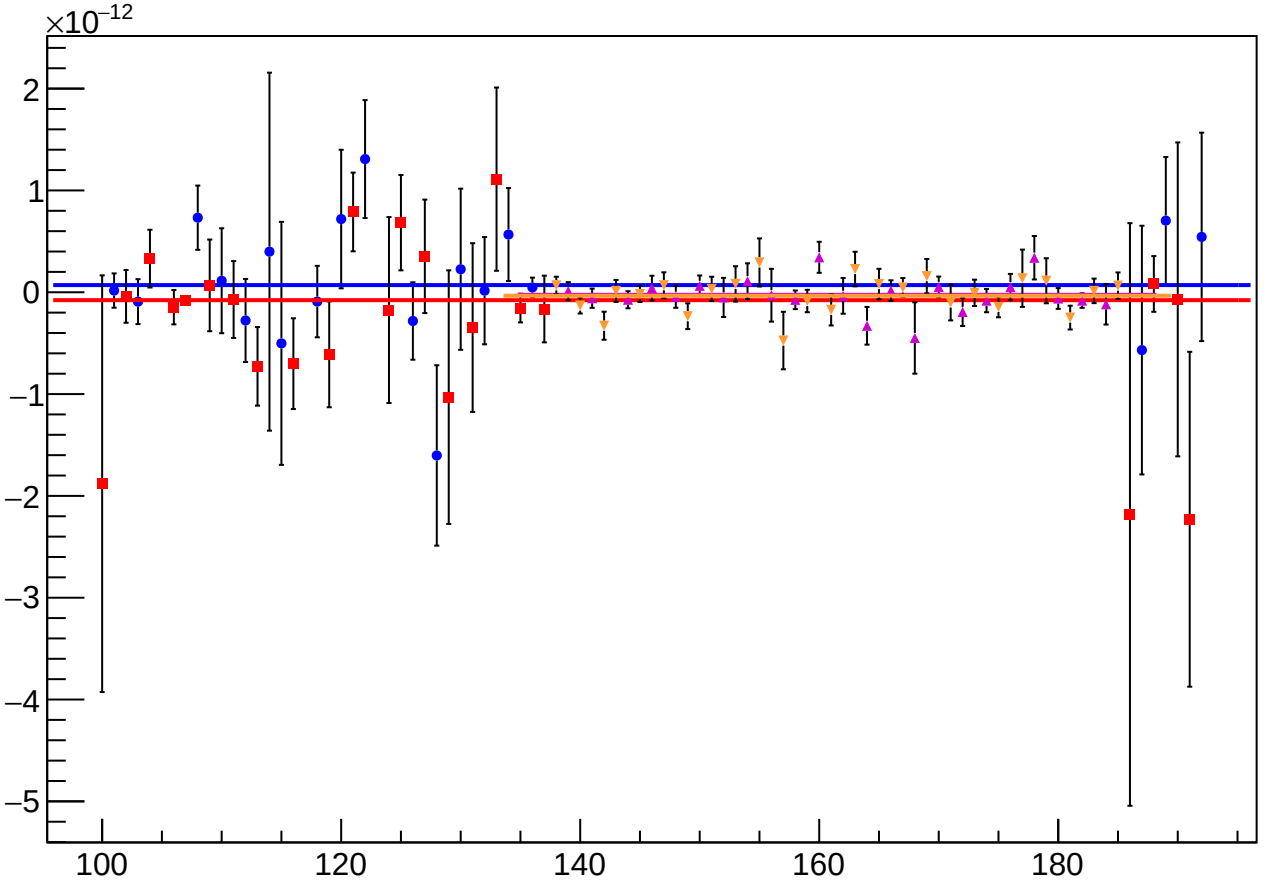
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4499.555+/-0.611 χ^2/NDF: 1801085.9/43

All: 4420.087+/-0.429 χ^2/NDF: 4764117.6/89

- sign 4342.518+/-0.603 χ^2/NDF: 2929553.8/45

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



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

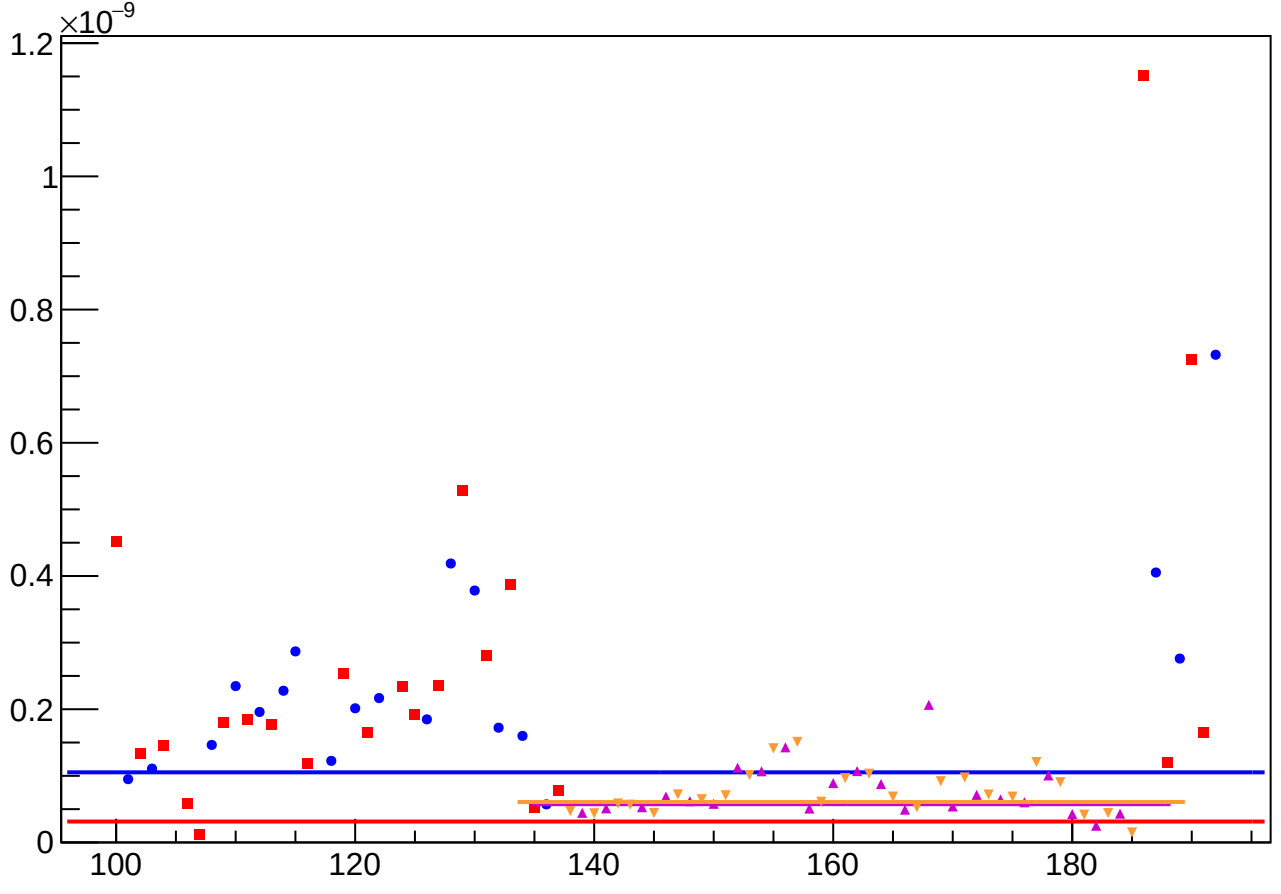
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.5/43

All: -0.000+/-0.000 χ^2/NDF: 93.6/89

- sign -0.000+/-0.000 χ^2/NDF: 43.6/45

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



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

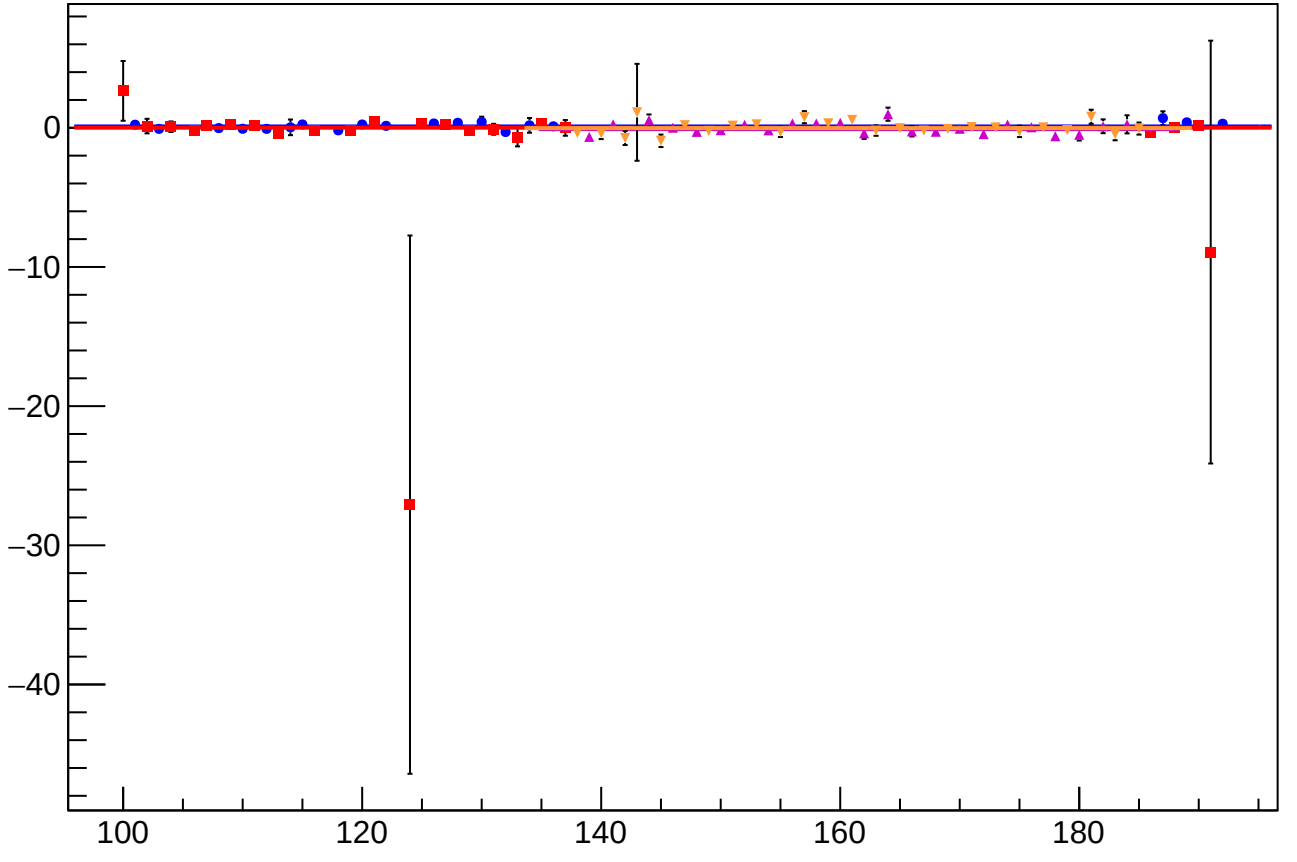
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5089356.8/43

All: 0.000+/-0.000 χ^2/NDF: 13763305.2/89

- sign 0.000+/-0.000 χ^2/NDF: 7985378.2/45

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



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

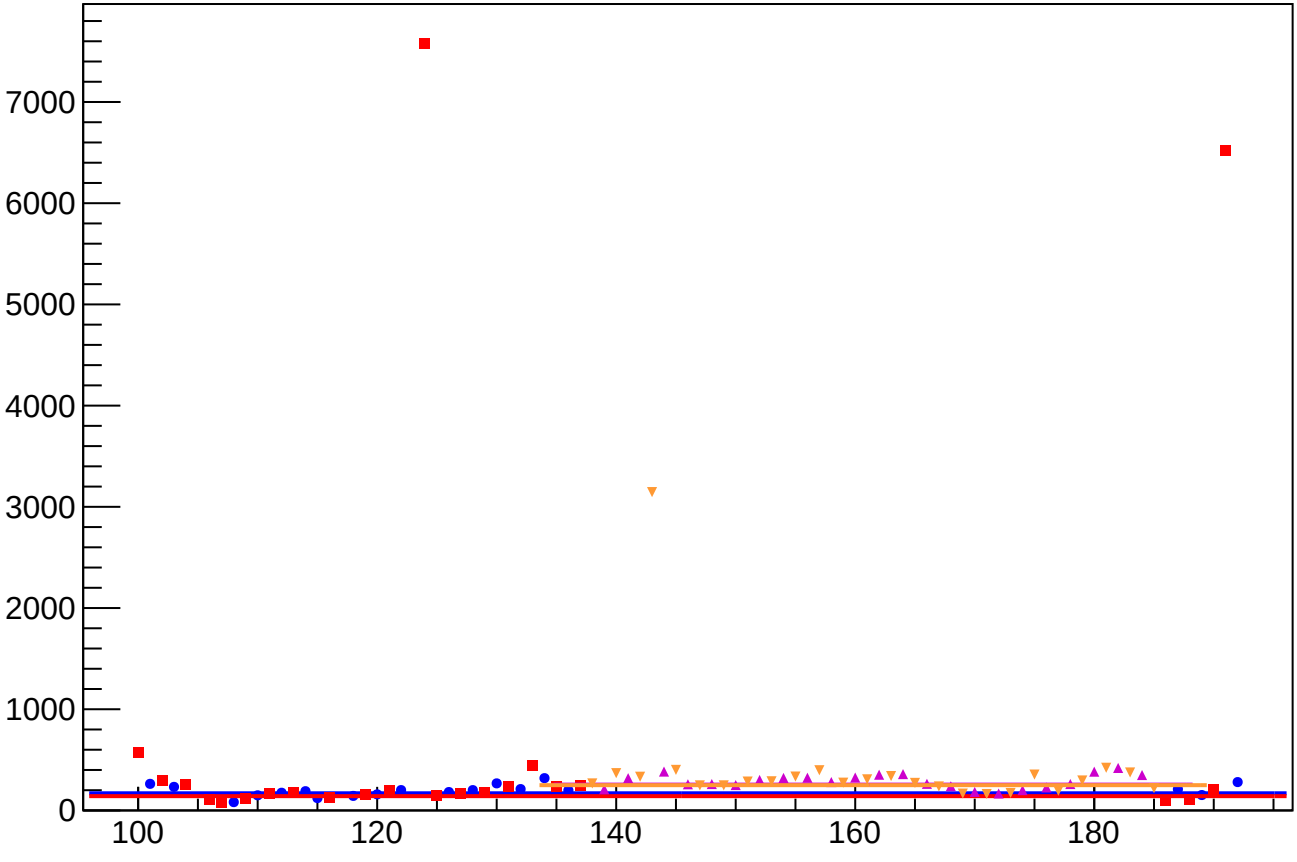
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.044 χ^2/NDF: 37.4/43

All: -0.001+/-0.030 χ^2/NDF: 96.6/89

- sign -0.034+/-0.041 χ^2/NDF: 57.8/45

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 169.647+/-0.044 χ^2/NDF: 1795681.5/18

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

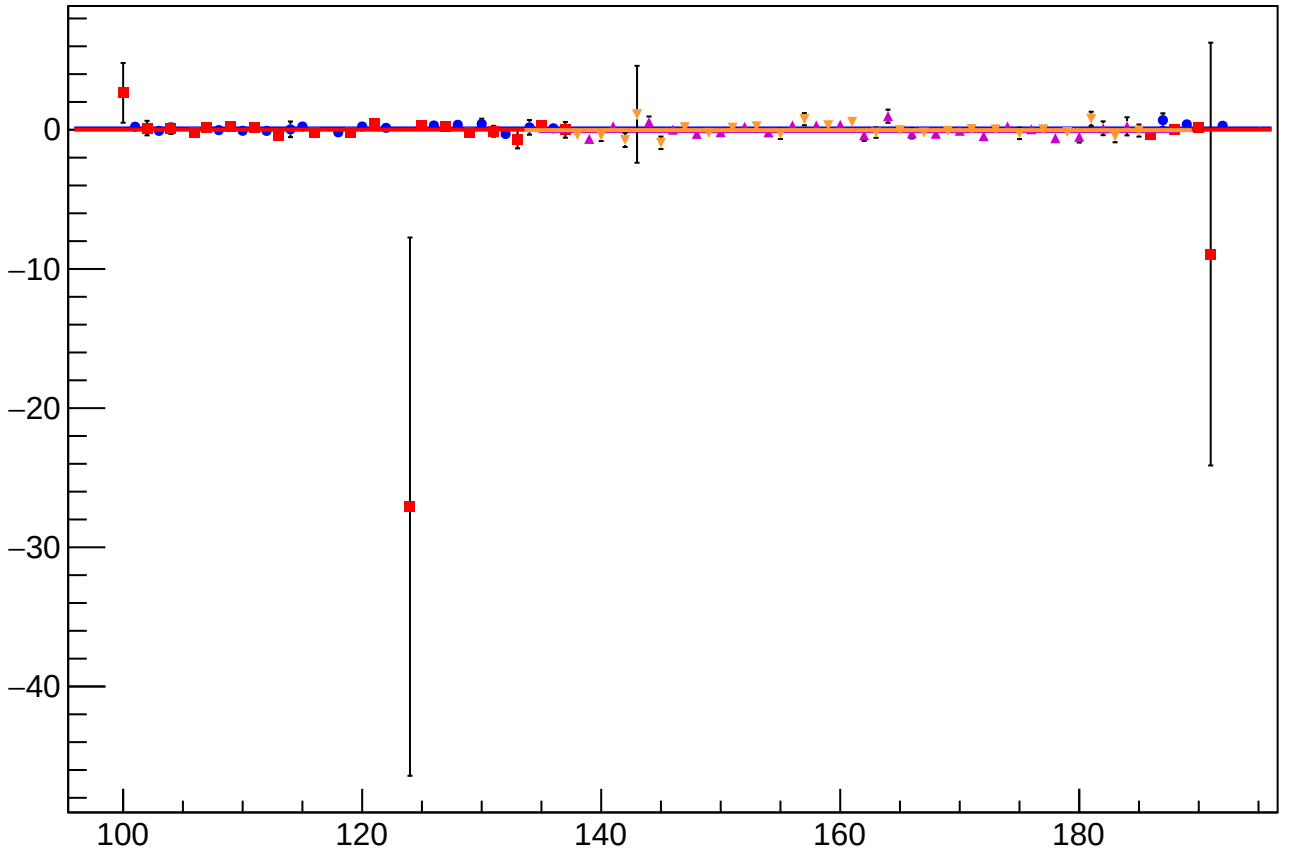
Right Out: 141.298+/-0.038 χ^2/NDF: 2676569.7/22

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 209.716+/-0.031 χ^2/NDF: 7725613.4/43

All: 198.439+/-0.021 χ^2/NDF: 16593505.3/89

- sign 188.640+/-0.029 χ^2/NDF: 8617297.9/45



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

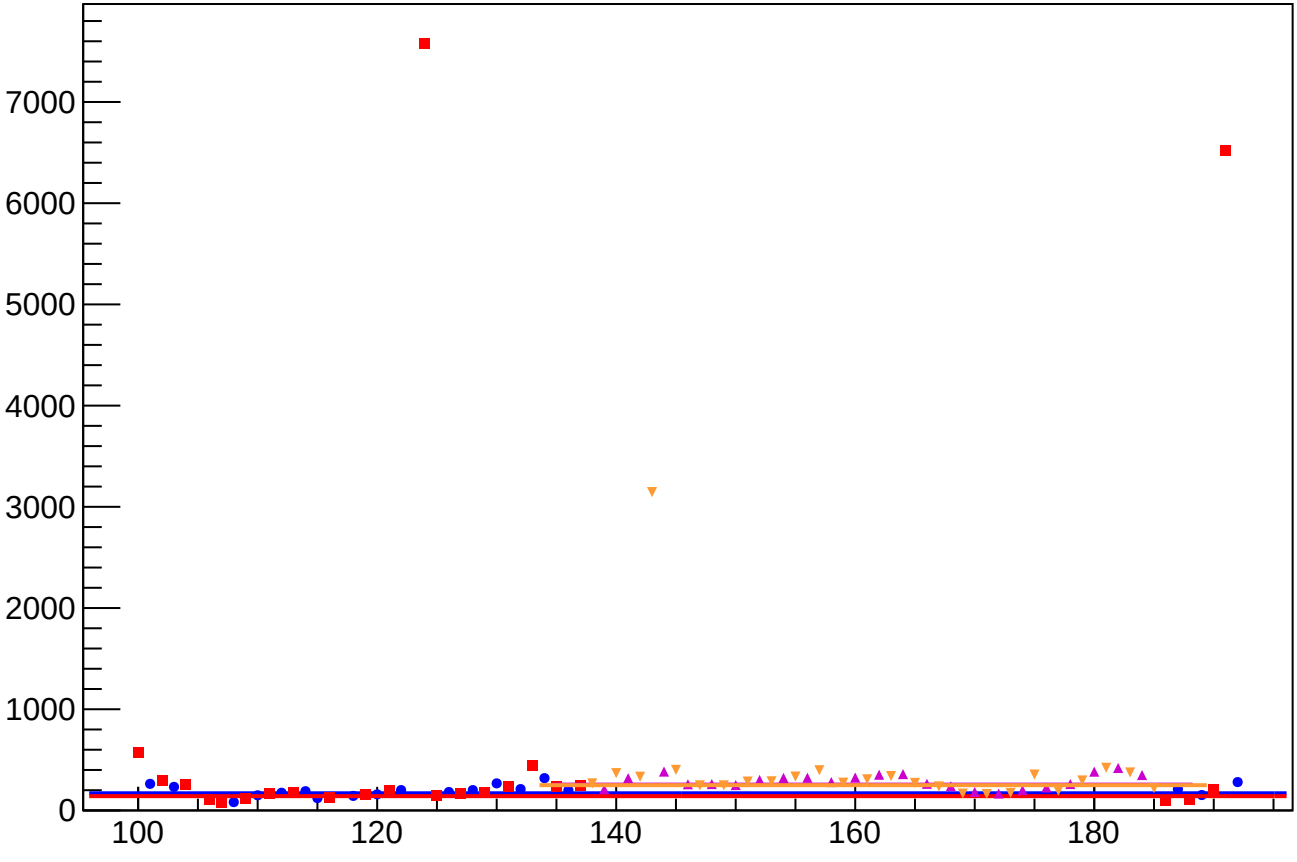
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.044 χ^2/NDF: 37.4/43

All: -0.001+/-0.030 χ^2/NDF: 96.6/89

- sign -0.034+/-0.041 χ^2/NDF: 57.8/45

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 169.647+/-0.044 χ^2/NDF: 1795681.5/18

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

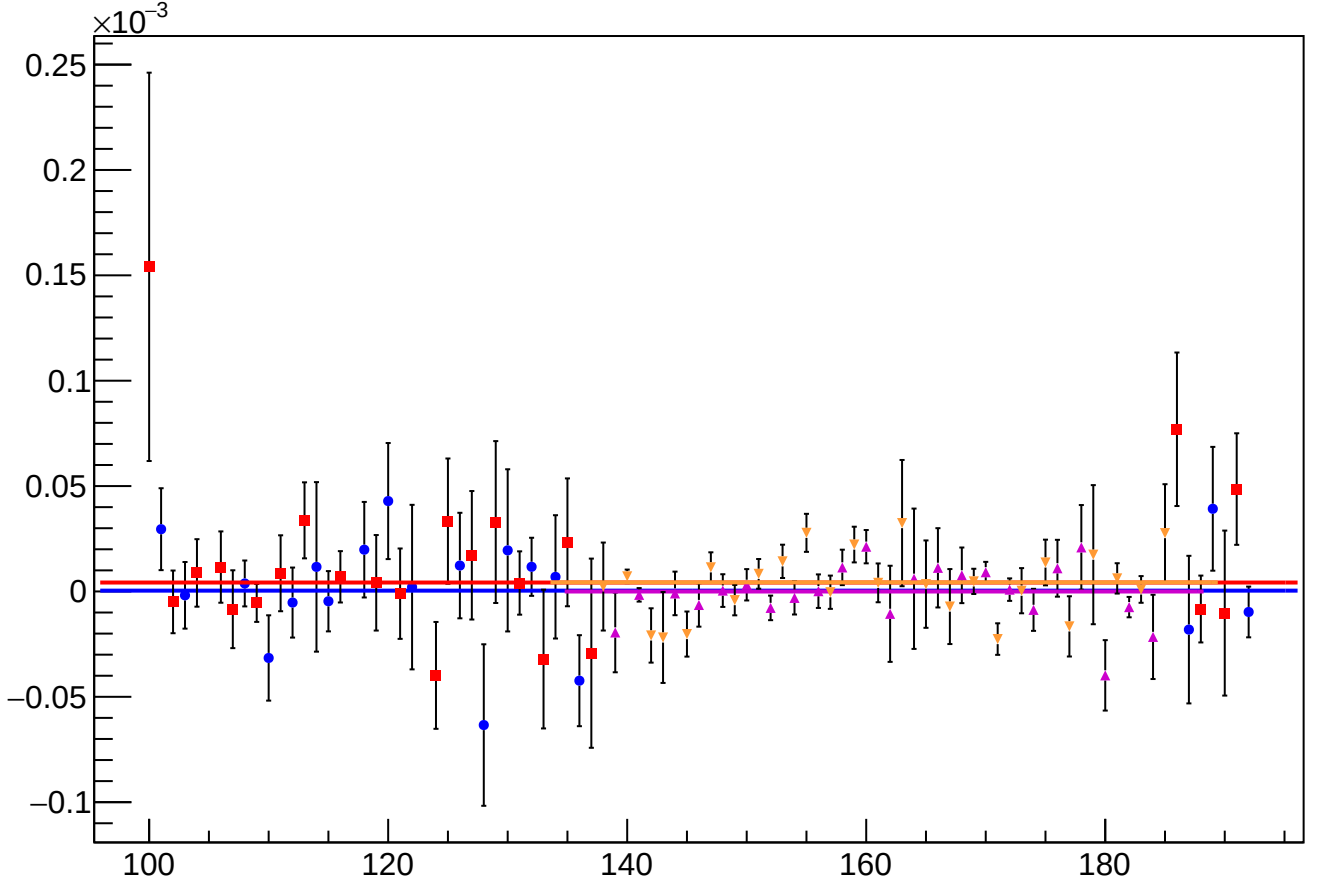
Right Out: 141.298+/-0.038 χ^2/NDF: 2676569.7/22

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 209.716+/-0.031 χ^2/NDF: 7725613.4/43

All: 198.439+/-0.021 χ^2/NDF: 16593505.3/89

- sign 188.640+/-0.029 χ^2/NDF: 8617297.9/45



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

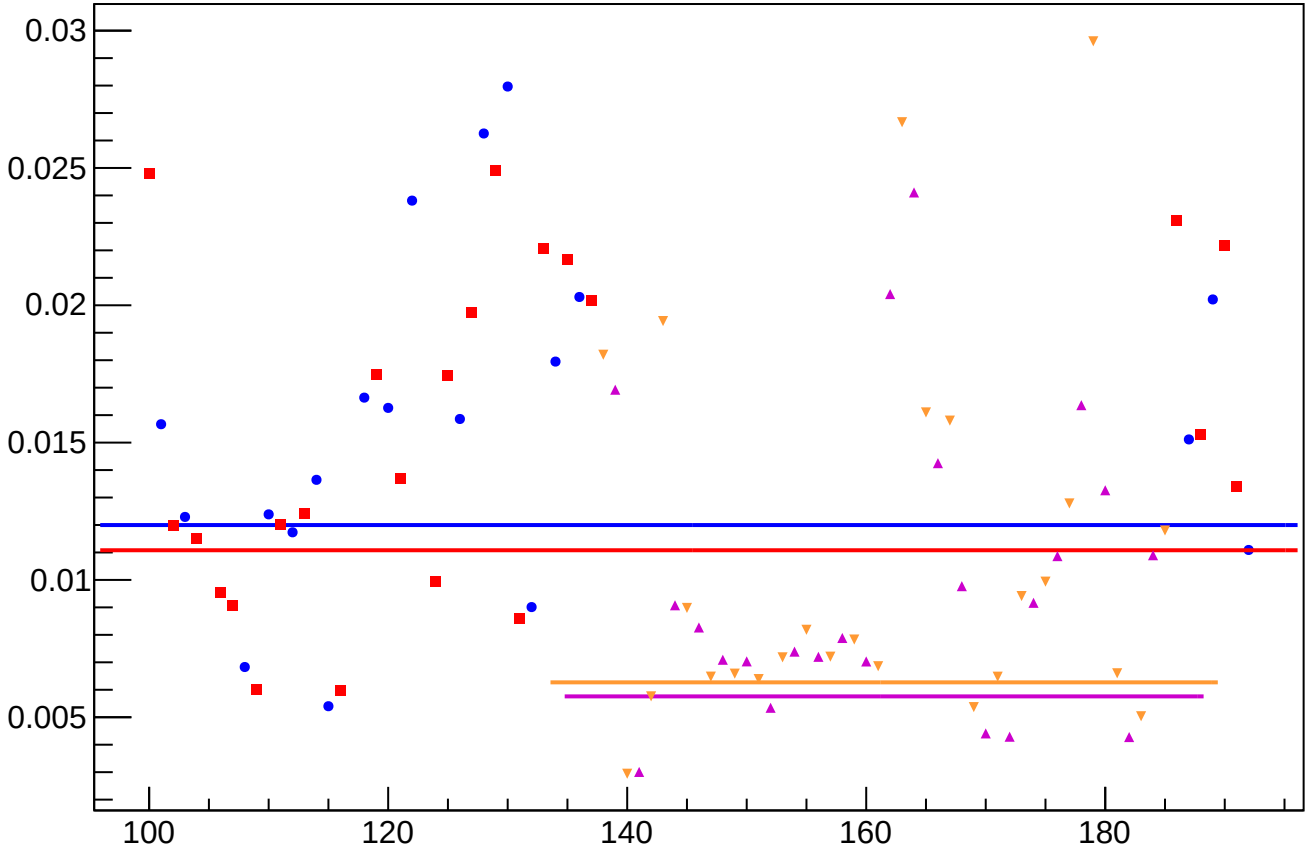
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.7/43

All: 0.000+/-0.000 χ^2/NDF: 120.3/89

- sign 0.000+/-0.000 χ^2/NDF: 52.2/45

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2592403.4/18

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

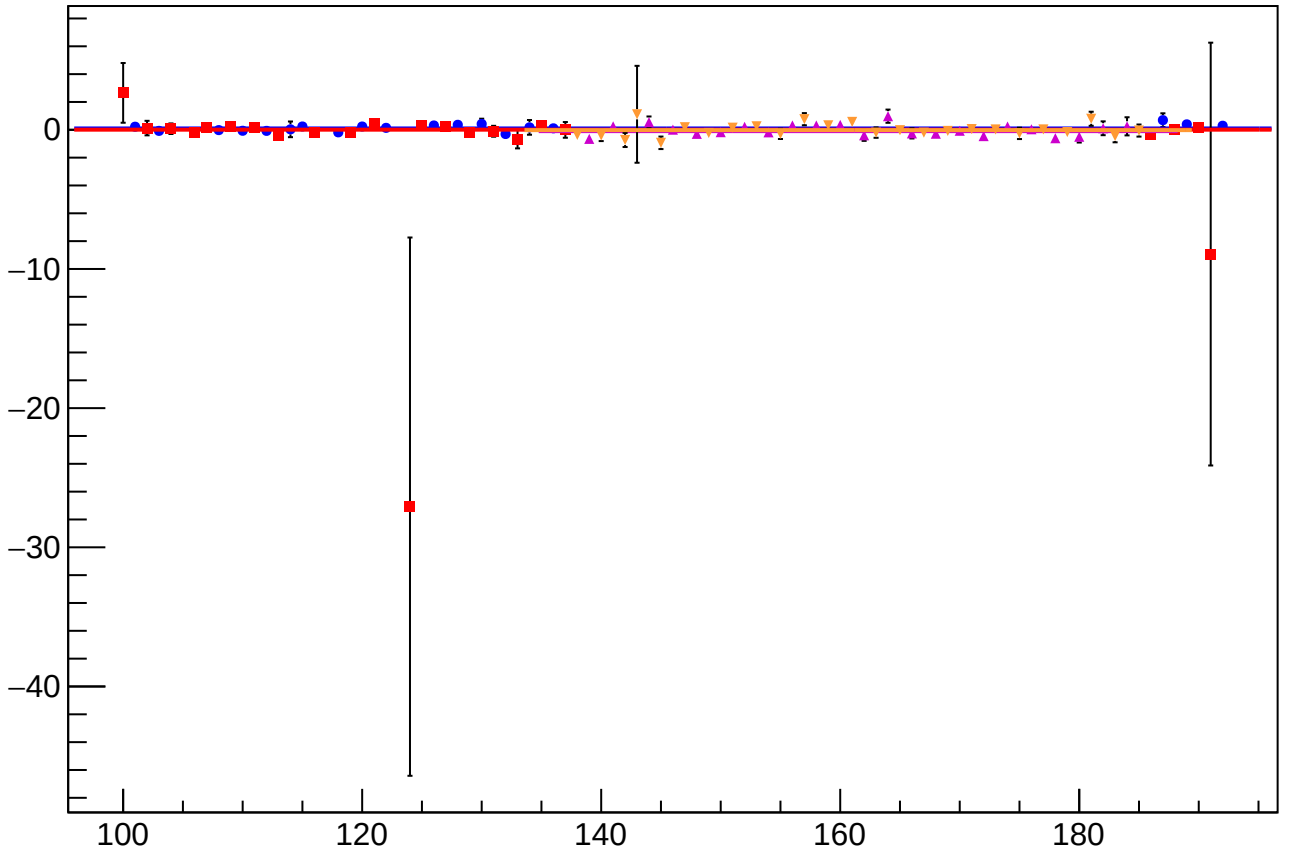
Right Out: 0.011+/-0.000 χ^2/NDF: 2937938.8/22

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 13438649.8/43

All: 0.007+/-0.000 χ^2/NDF: 26624470.5/89

- sign 0.006+/-0.000 χ^2/NDF: 13080024.0/45



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

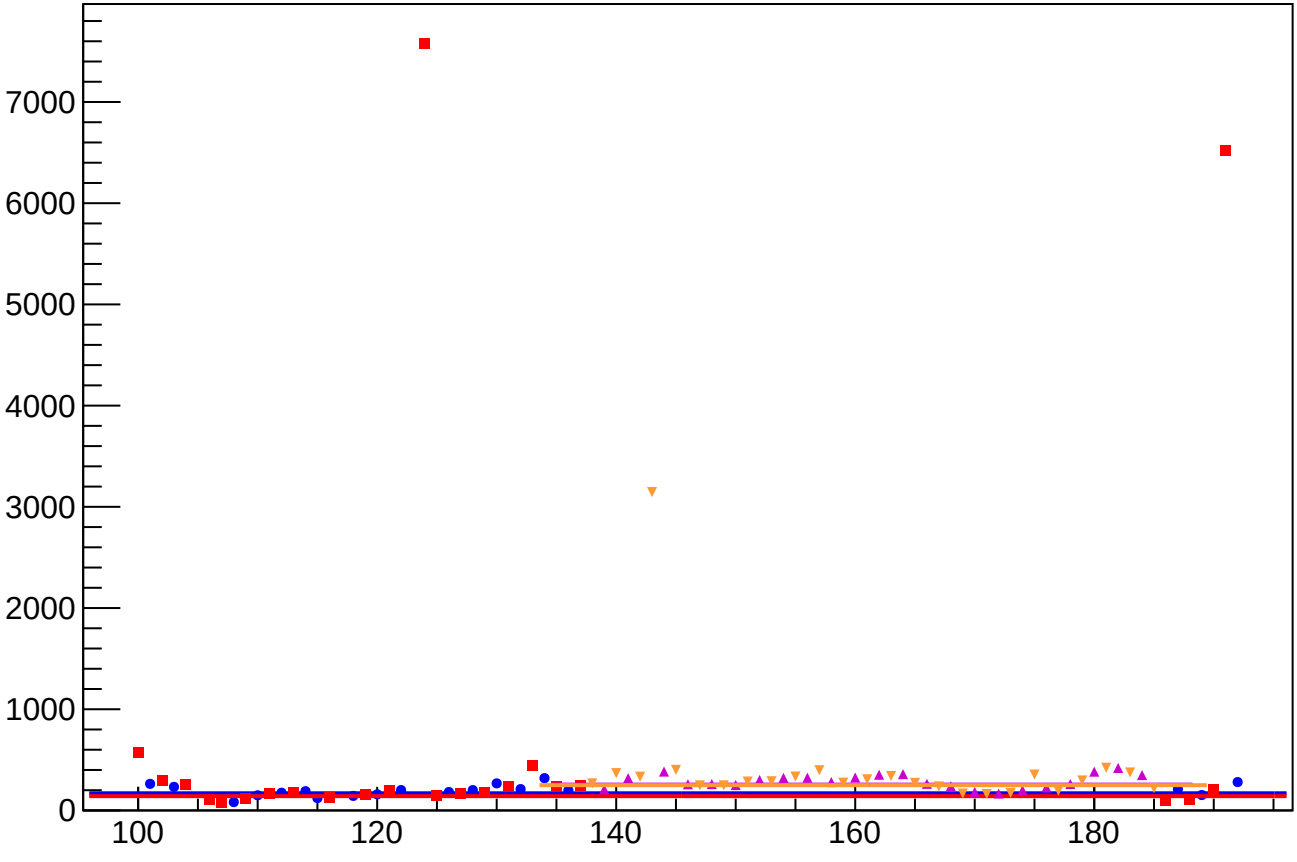
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.044 χ^2/NDF: 37.4/43

All: -0.001+/-0.030 χ^2/NDF: 96.6/89

- sign -0.034+/-0.041 χ^2/NDF: 57.8/45

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 169.645+/-0.044 χ^2/NDF: 1795676.0/18

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

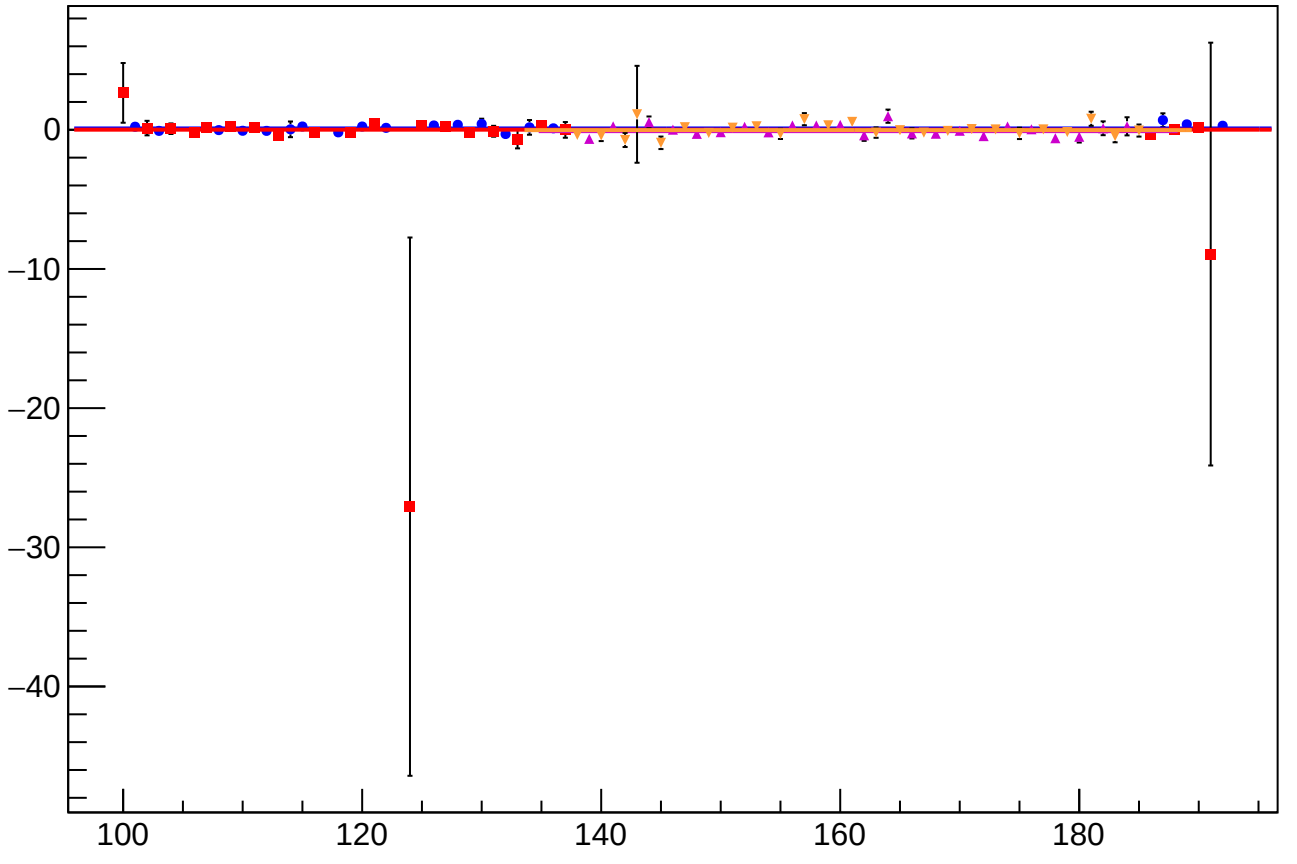
Right Out: 141.300+/-0.038 χ^2/NDF: 2676462.6/22

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 209.715+/-0.031 χ^2/NDF: 7725862.3/43

All: 198.440+/-0.021 χ^2/NDF: 16593535.4/89

- sign 188.642+/-0.029 χ^2/NDF: 8617158.9/45



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

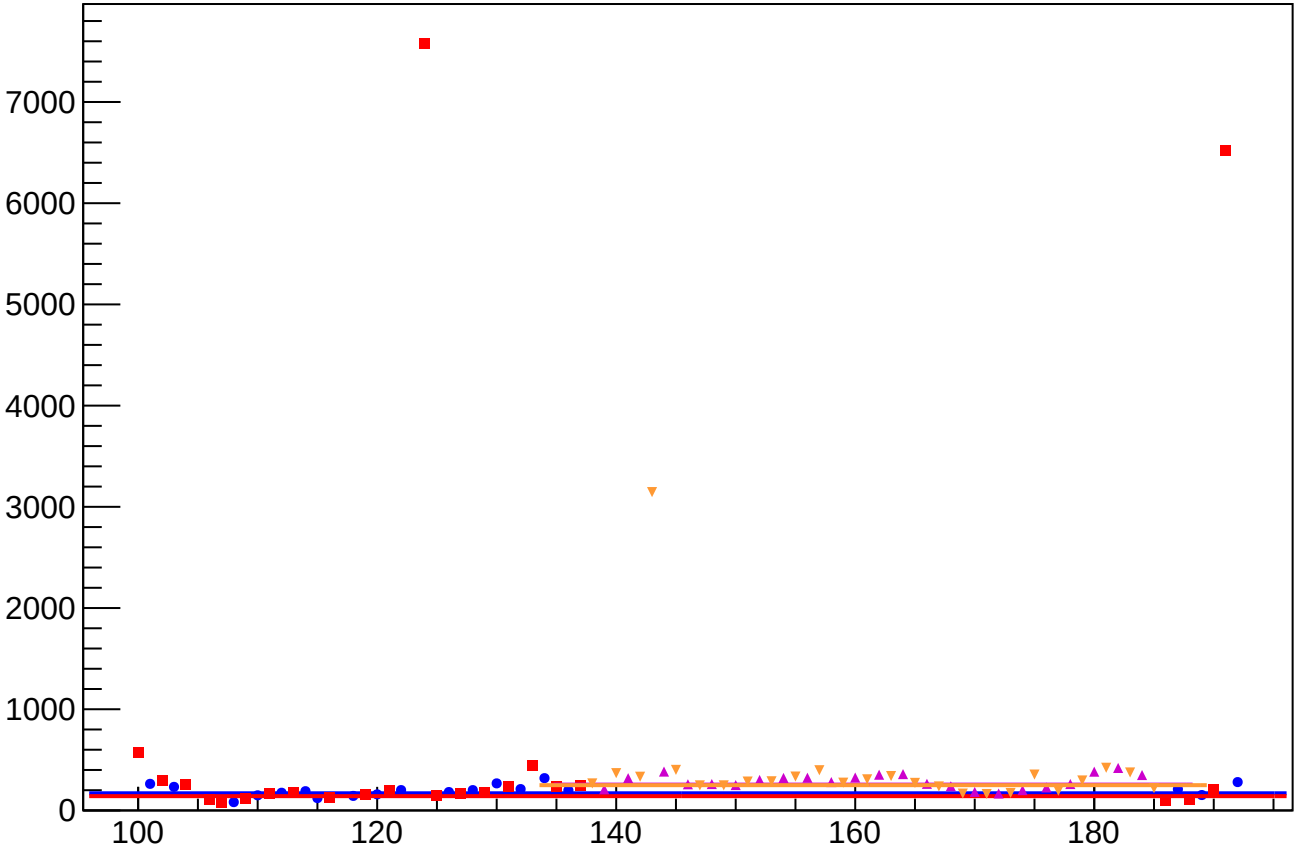
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.044 χ^2/NDF: 37.4/43

All: -0.001+/-0.030 χ^2/NDF: 96.6/89

- sign -0.034+/-0.041 χ^2/NDF: 57.8/45

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 169.645+/-0.044 χ^2/NDF: 1795676.0/18

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

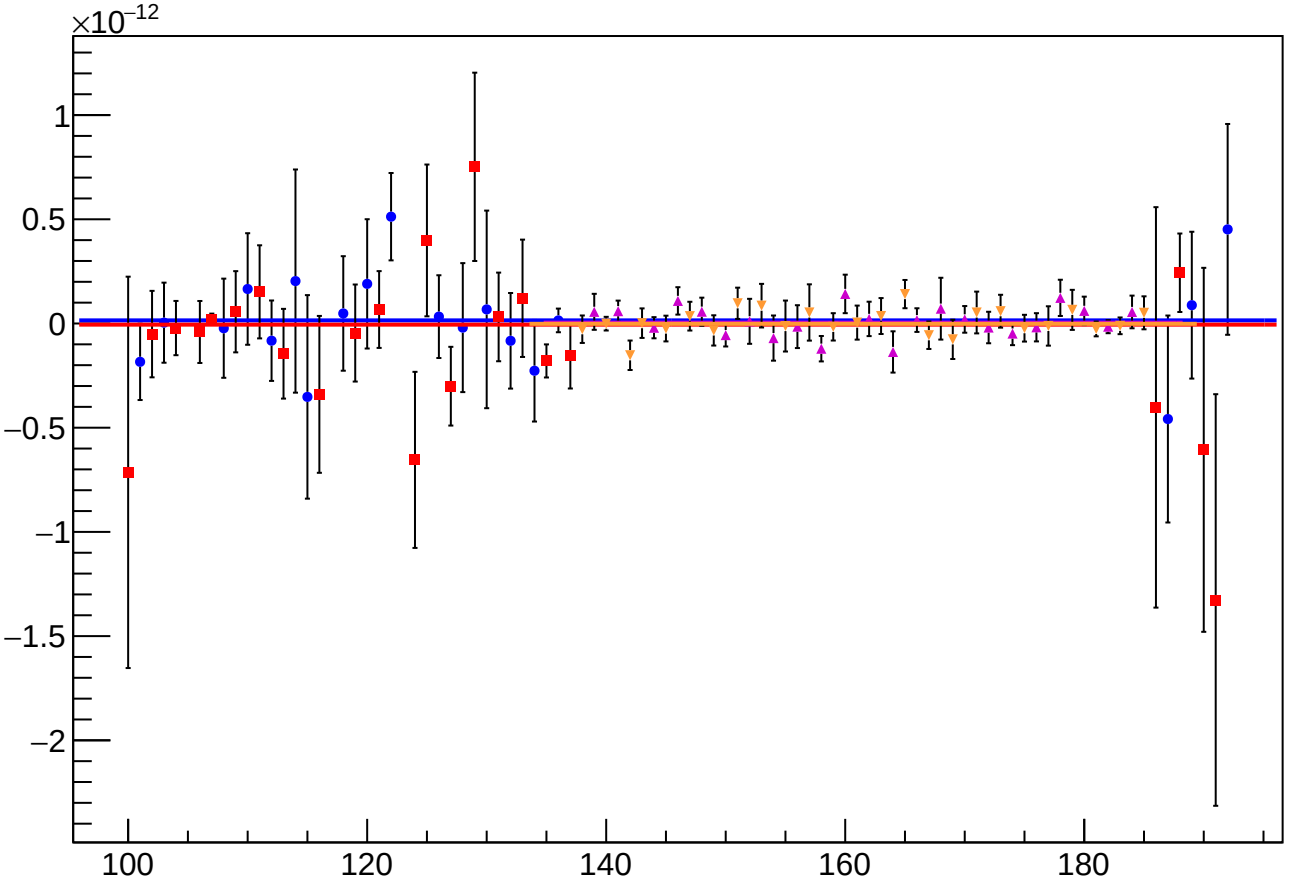
Right Out: 141.300+/-0.038 χ^2/NDF: 2676462.6/22

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 209.715+/-0.031 χ^2/NDF: 7725862.3/43

All: 198.440+/-0.021 χ^2/NDF: 16593535.4/89

- sign 188.642+/-0.029 χ^2/NDF: 8617158.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

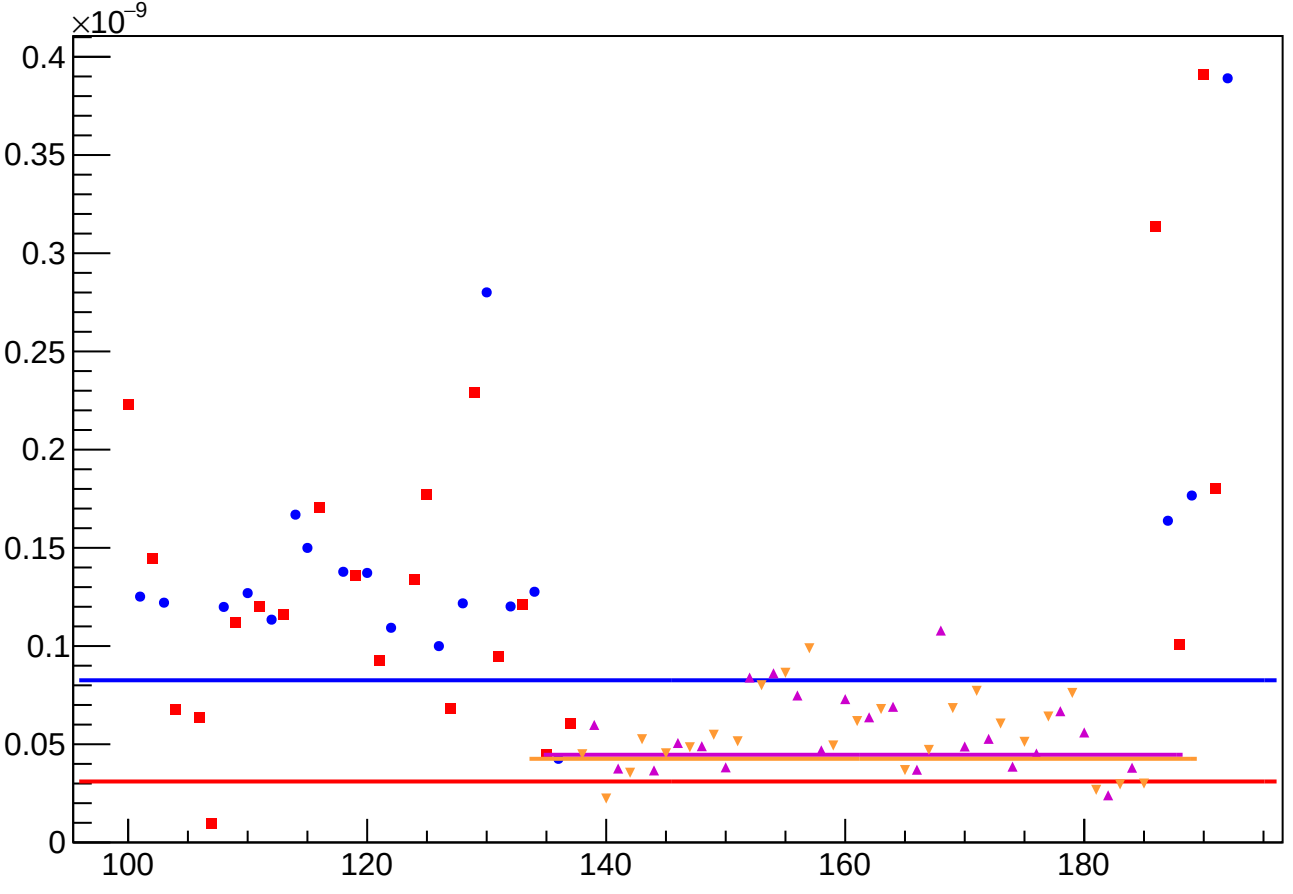
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/22

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.8/43

All: 0.000+/-0.000 χ^2/NDF: 70.4/89

- sign 0.000+/-0.000 χ^2/NDF: 42.5/45



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

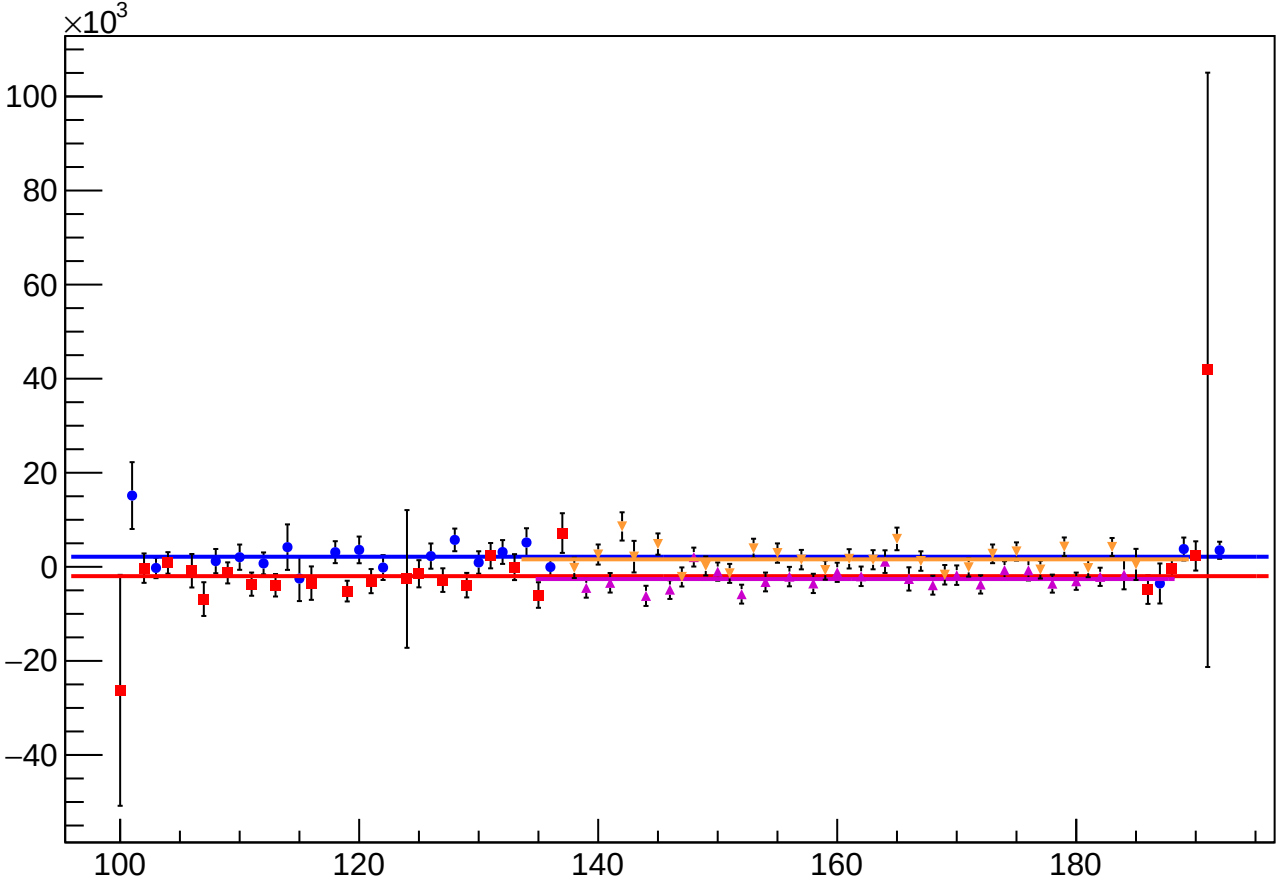
Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8370538.8/43

All: 0.000+/-0.000 χ^2/NDF: 18269625.2/89

- sign 0.000+/-0.000 χ^2/NDF: 9725596.3/45

reg_asym_atr1l2_avg_mean vs Slug



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

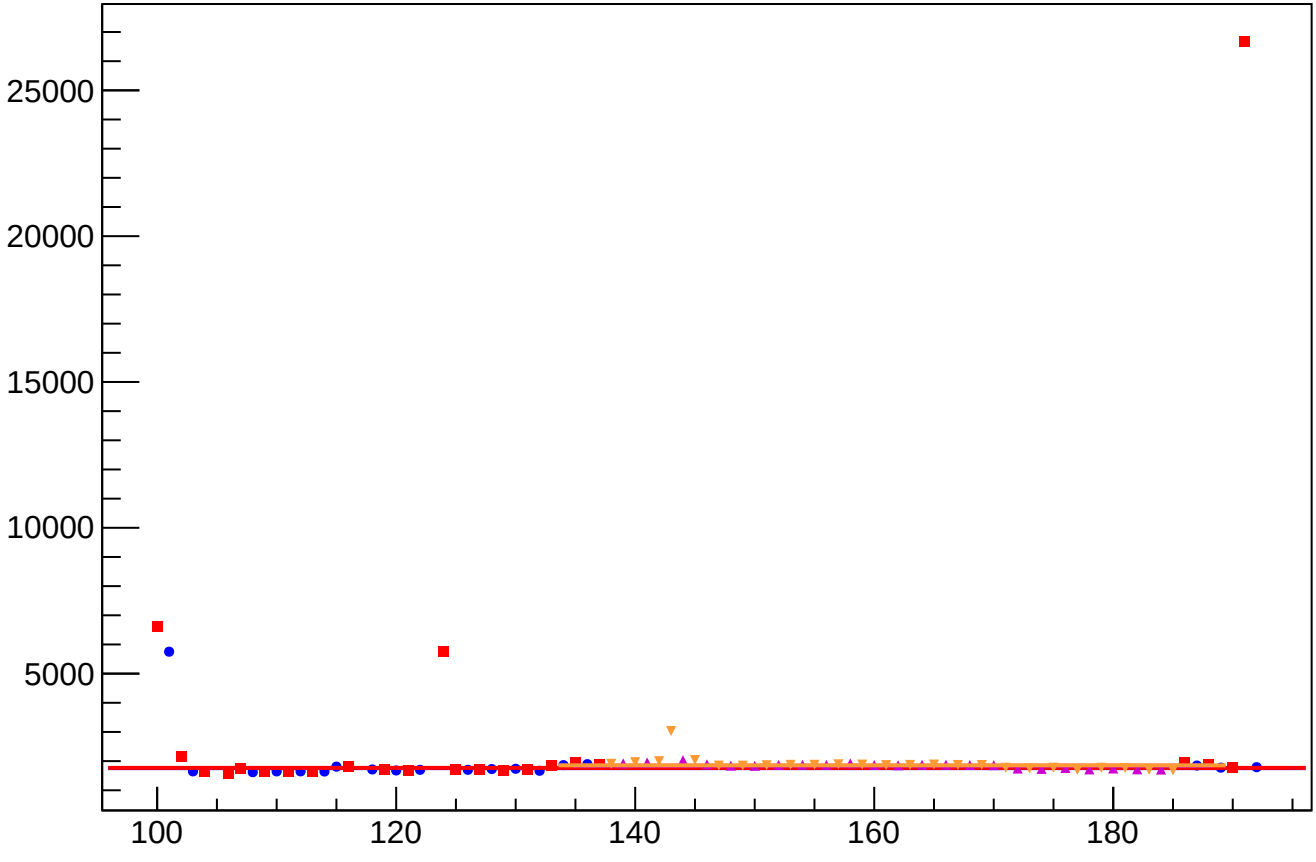
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1775.497+/-346.064 χ^2/NDF: 46.8/43

All: -287.341+/-245.805 χ^2/NDF: 162.4/89

- sign -2387.693+/-349.197 χ^2/NDF: 43.8/45

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1759.415+/-0.425 χ^2/NDF: 672533.0/18

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1767.828+/-0.420 χ^2/NDF: 638157.9/22

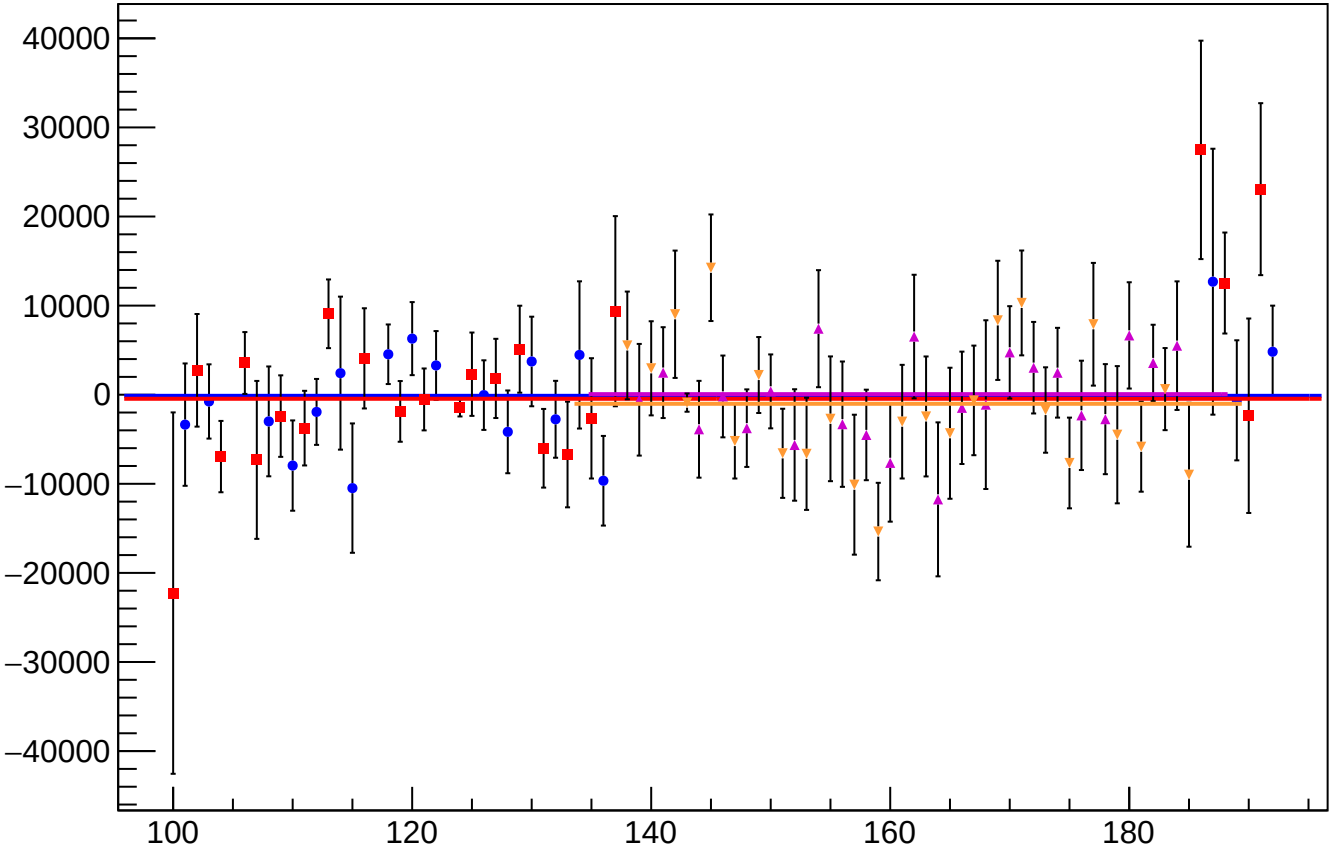
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1823.676+/-0.245 χ^2/NDF: 1031017.2/43

All: 1819.767+/-0.174 χ^2/NDF: 1760569.9/89

- sign 1815.804+/-0.246 χ^2/NDF: 729038.8/45

asym_atr1l2_avg_reg_correction_mean vs Slug



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

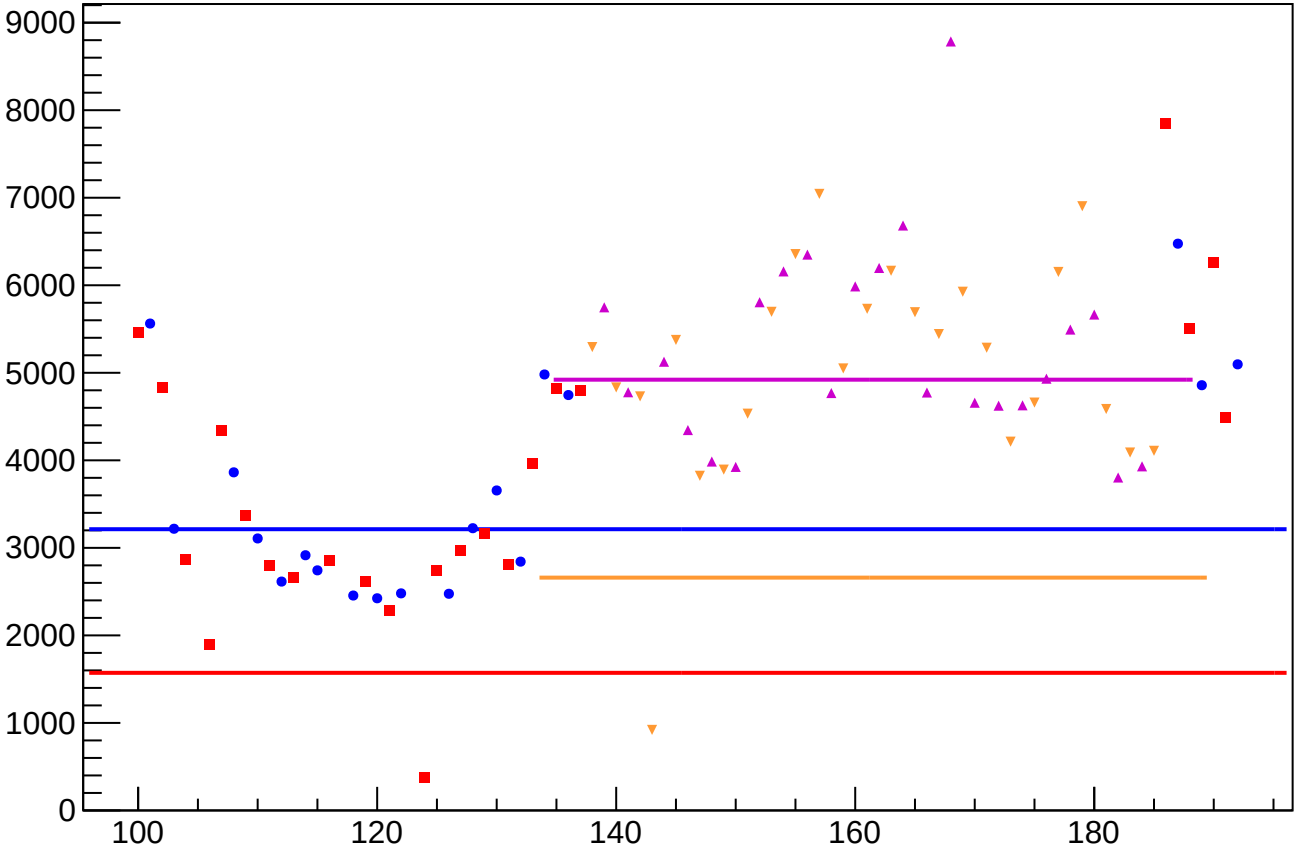
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -733.293+/-636.604 χ^2/NDF: 51.8/43

All: -516.011+/-440.681 χ^2/NDF: 102.1/89

- sign -316.090+/-610.641 χ^2/NDF: 50.0/45

asym_atr1l2_avg_reg_correction_rms vs Slug



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

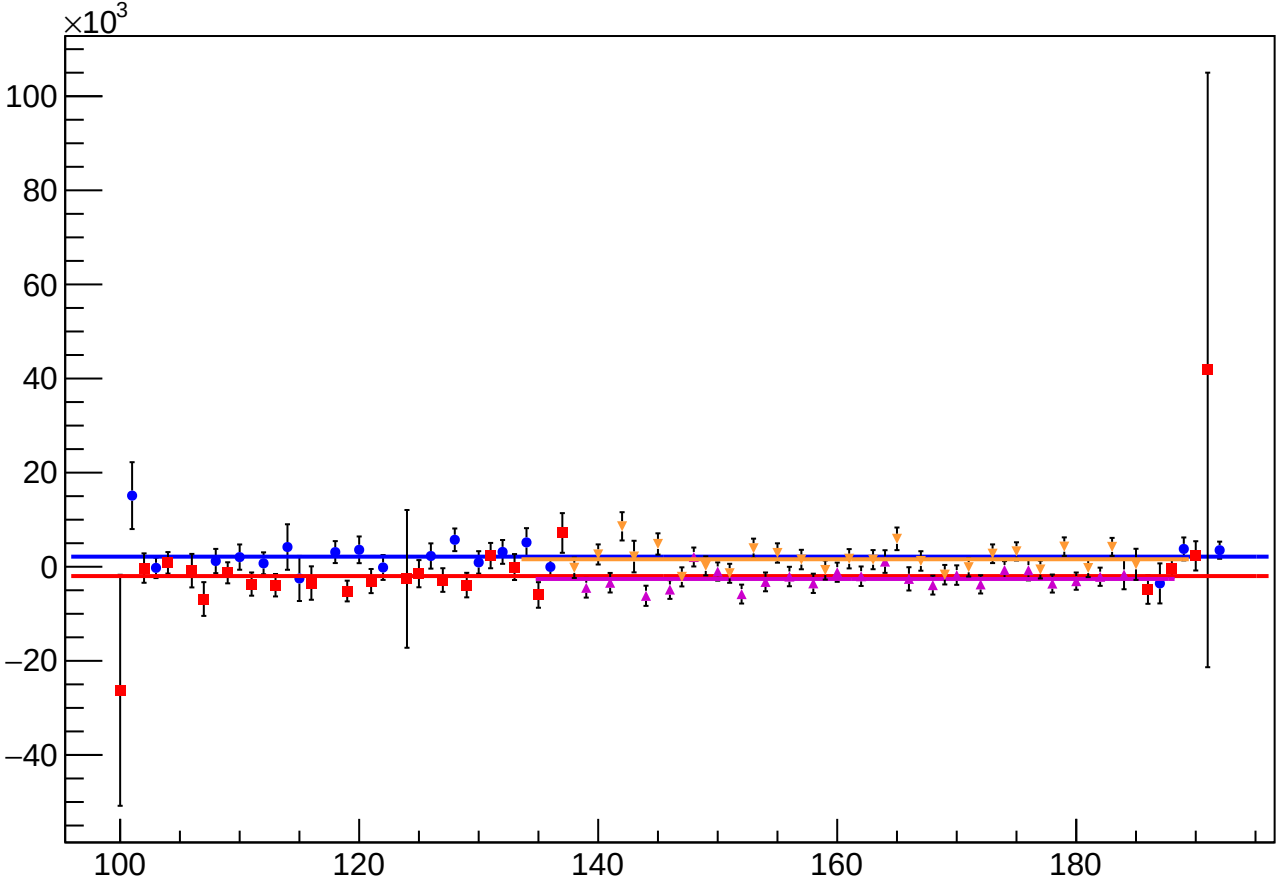
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2836.813+/-0.450 χ^2/NDF: 16291871.0/43

All: 2650.557+/-0.312 χ^2/NDF: 38635686.6/8

- sign 2479.183+/-0.432 χ^2/NDF: 22015087.3/45

cor_asym_atr1l2_avg_mean vs Slug



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

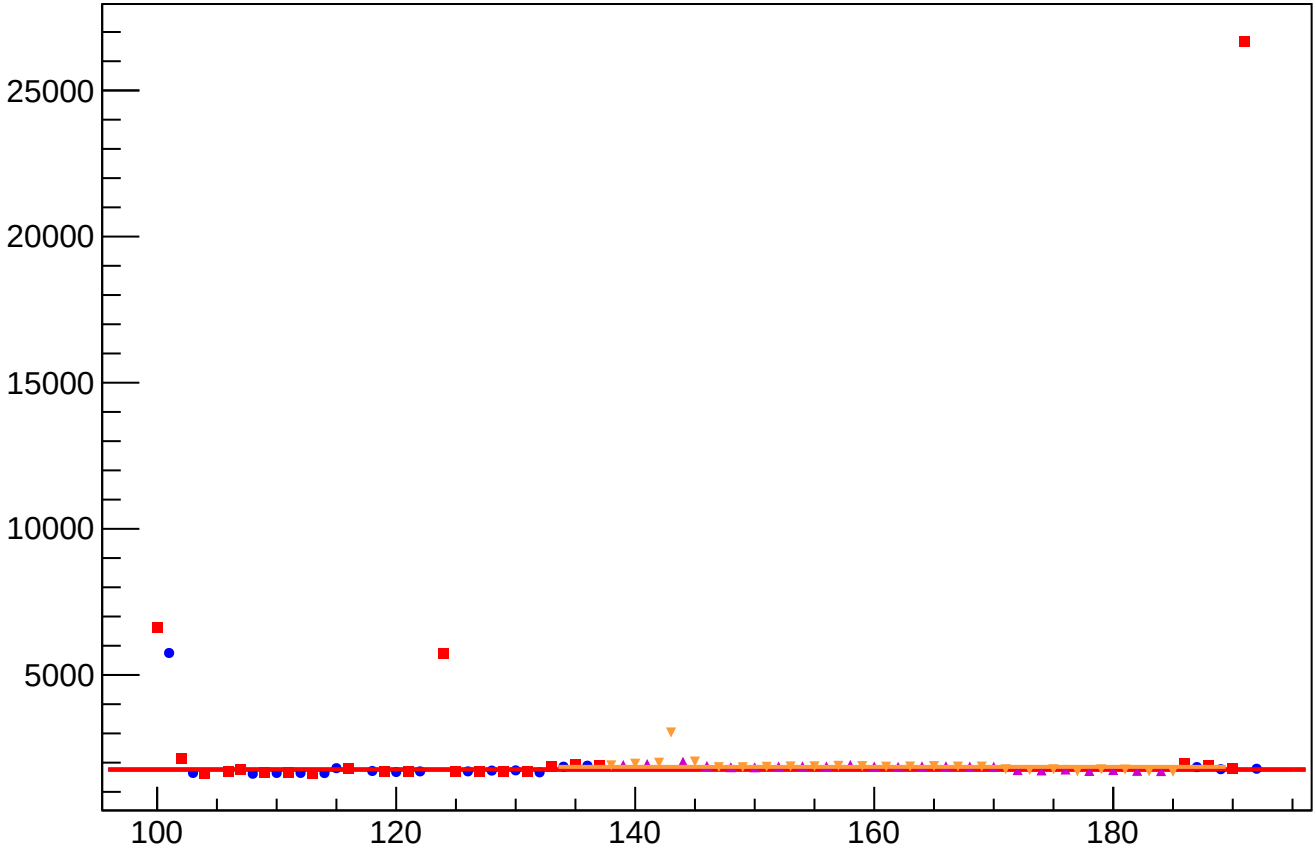
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1775.384+/-346.065 χ^2/NDF: 46.8/43

All: -287.430+/-245.805 χ^2/NDF: 162.3/89

- sign -2387.758+/-349.197 χ^2/NDF: 43.8/45

cor_asym_atr1l2_avg_rms vs Slug



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

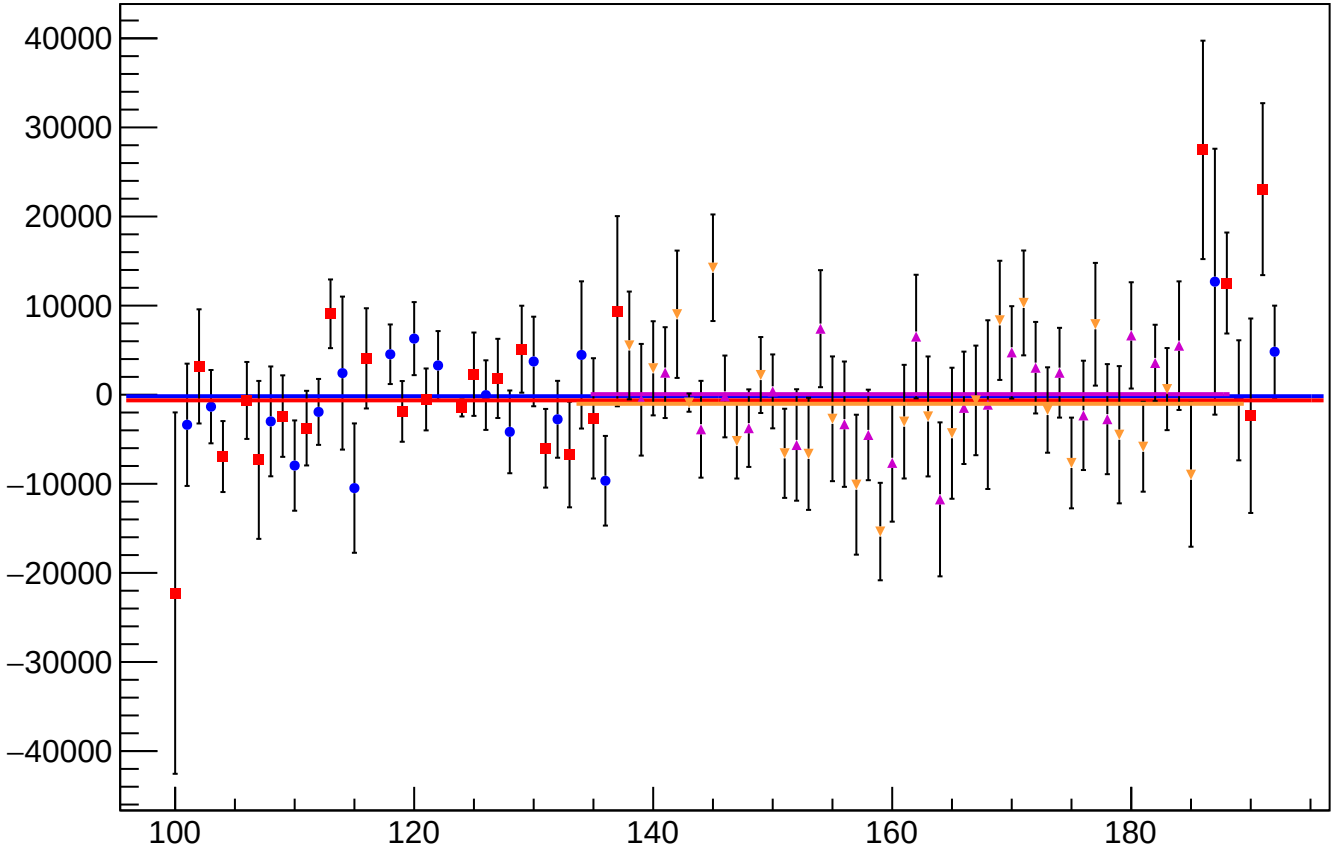
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1823.676+/-0.245 χ^2/NDF: 1031017.6/43

All: 1820.799+/-0.174 χ^2/NDF: 1748838.6/89

- sign 1817.875+/-0.247 χ^2/NDF: 717542.3/45

asym_atr1l2_avg_cor_correction_mean vs Slug



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

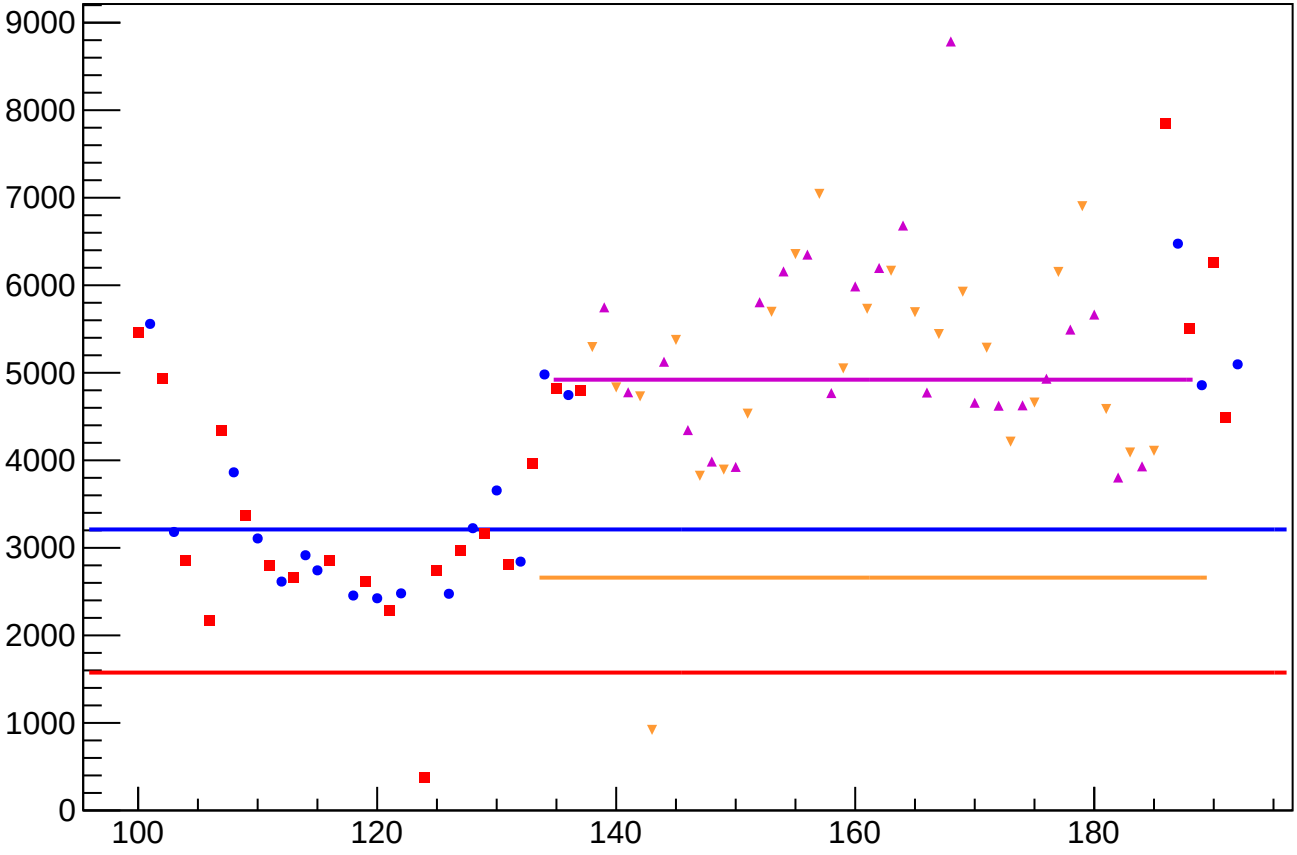
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -747.337+/-636.401 χ^2/NDF: 51.9/43

All: -589.539+/-441.885 χ^2/NDF: 100.8/89

- sign -442.637+/-614.037 χ^2/NDF: 48.8/45

asym_atr1l2_avg_cor_correction_rms vs Slug



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

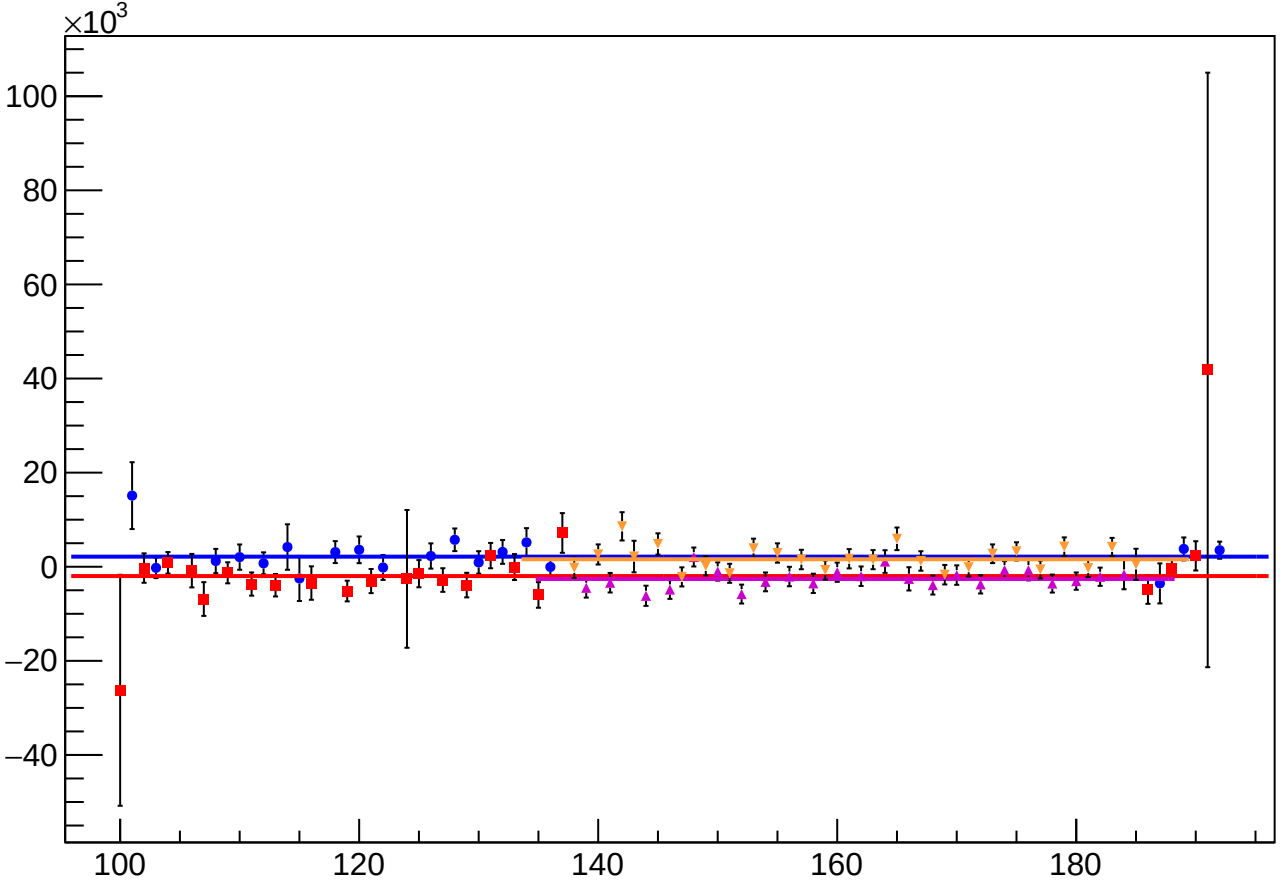
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2836.085+/-0.450 χ^2/NDF: 16289539.5/43

All: 2657.571+/-0.312 χ^2/NDF: 38575987.3/8

- sign 2491.383+/-0.434 χ^2/NDF: 21982579.8/45

eigen_cor_asym_atr1l2_avg_mean vs Slug



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

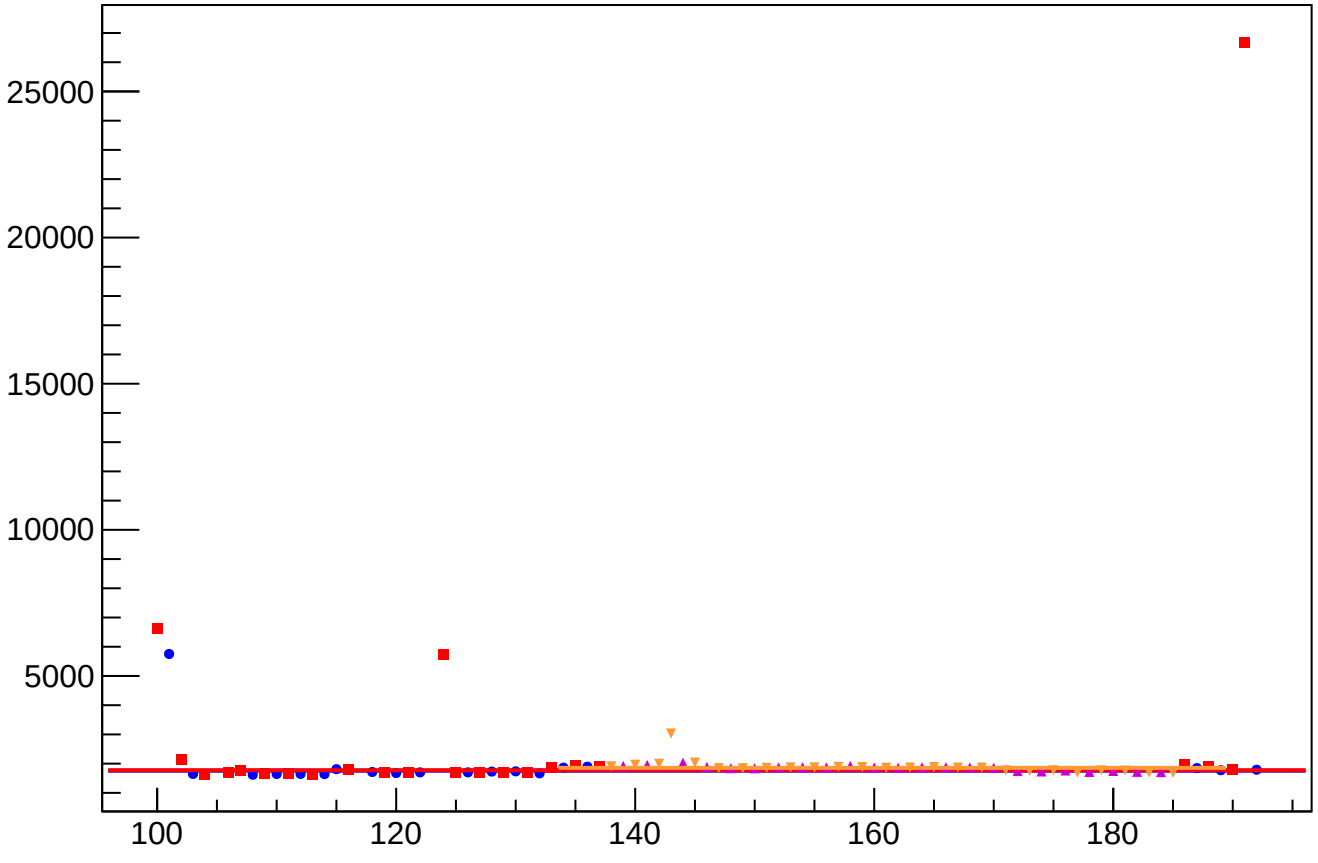
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1775.384+/-346.065 χ^2/NDF: 46.8/43

All: -287.430+/-245.805 χ^2/NDF: 162.3/89

- sign -2387.758+/-349.197 χ^2/NDF: 43.8/45

eigen_cor_asym_atr1l2_avg_rms vs Slug



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

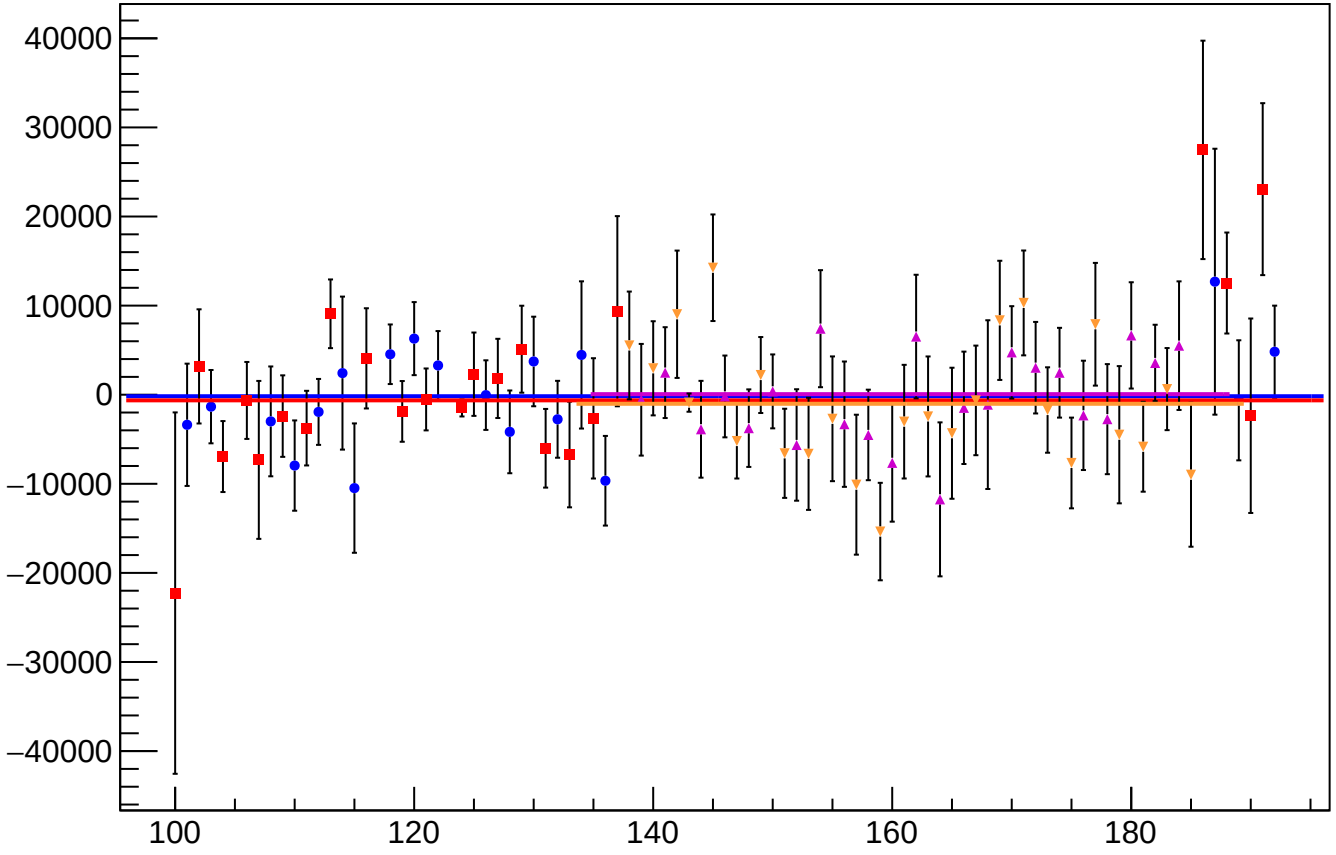
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1823.676+/-0.245 χ^2/NDF: 1031017.6/43

All: 1820.799+/-0.174 χ^2/NDF: 1748838.6/89

- sign 1817.875+/-0.247 χ^2/NDF: 717542.3/45

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug



Right In: -170.895+/-1124.857 χ^2/NDF: 17.7/18

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

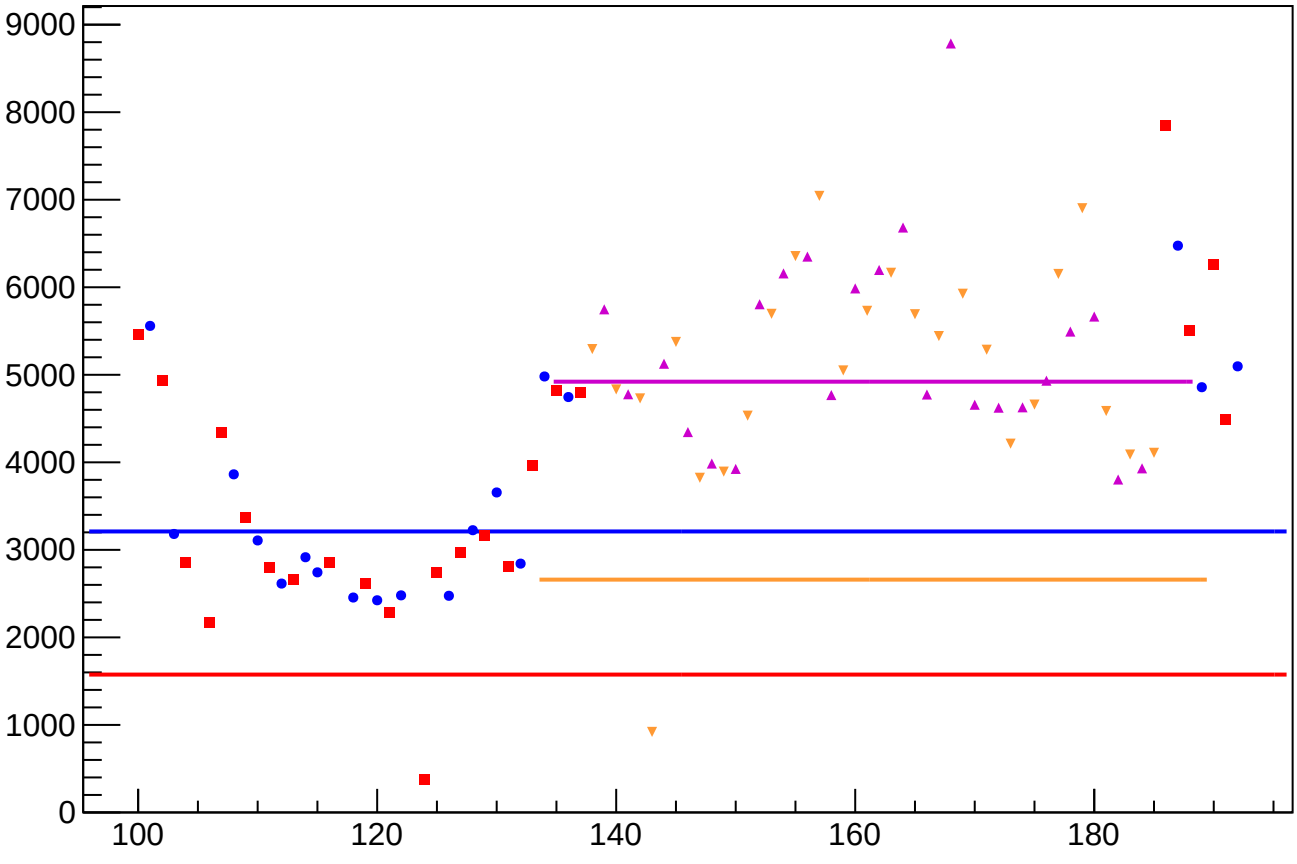
Right Out: -633.034+/-720.568 χ^2/NDF: 35.6/22

Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -747.337+/-636.401 χ^2/NDF: 51.9/43

All: -589.539+/-441.885 χ^2/NDF: 100.8/89

- sign -442.637+/-614.037 χ^2/NDF: 48.8/45



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

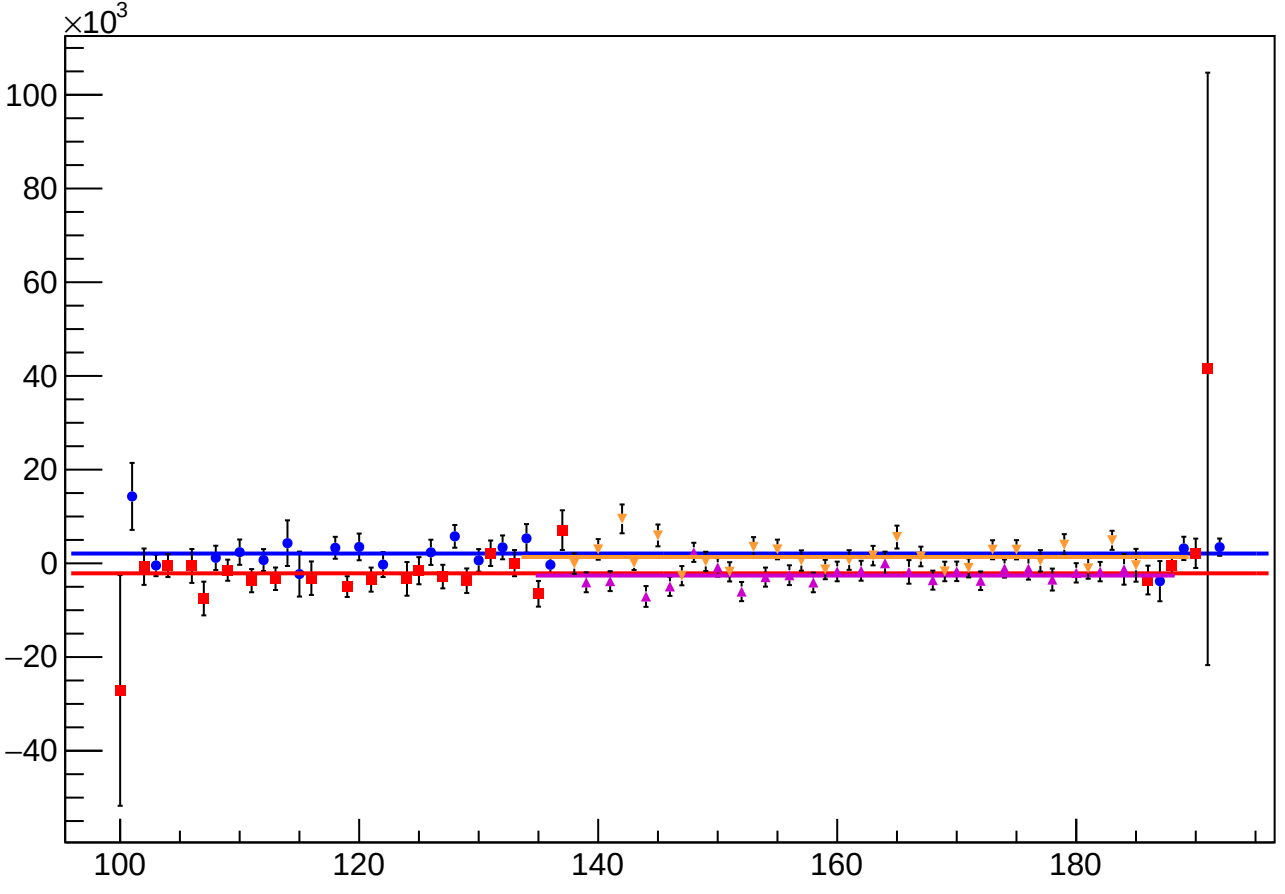
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2836.085+/-0.450 χ^2/NDF: 16289539.5/43

All: 2657.571+/-0.312 χ^2/NDF: 38575987.3/8

- sign 2491.383+/-0.434 χ^2/NDF: 21982579.8/45

dit_asym_atr1l2_avg_mean vs Slug



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

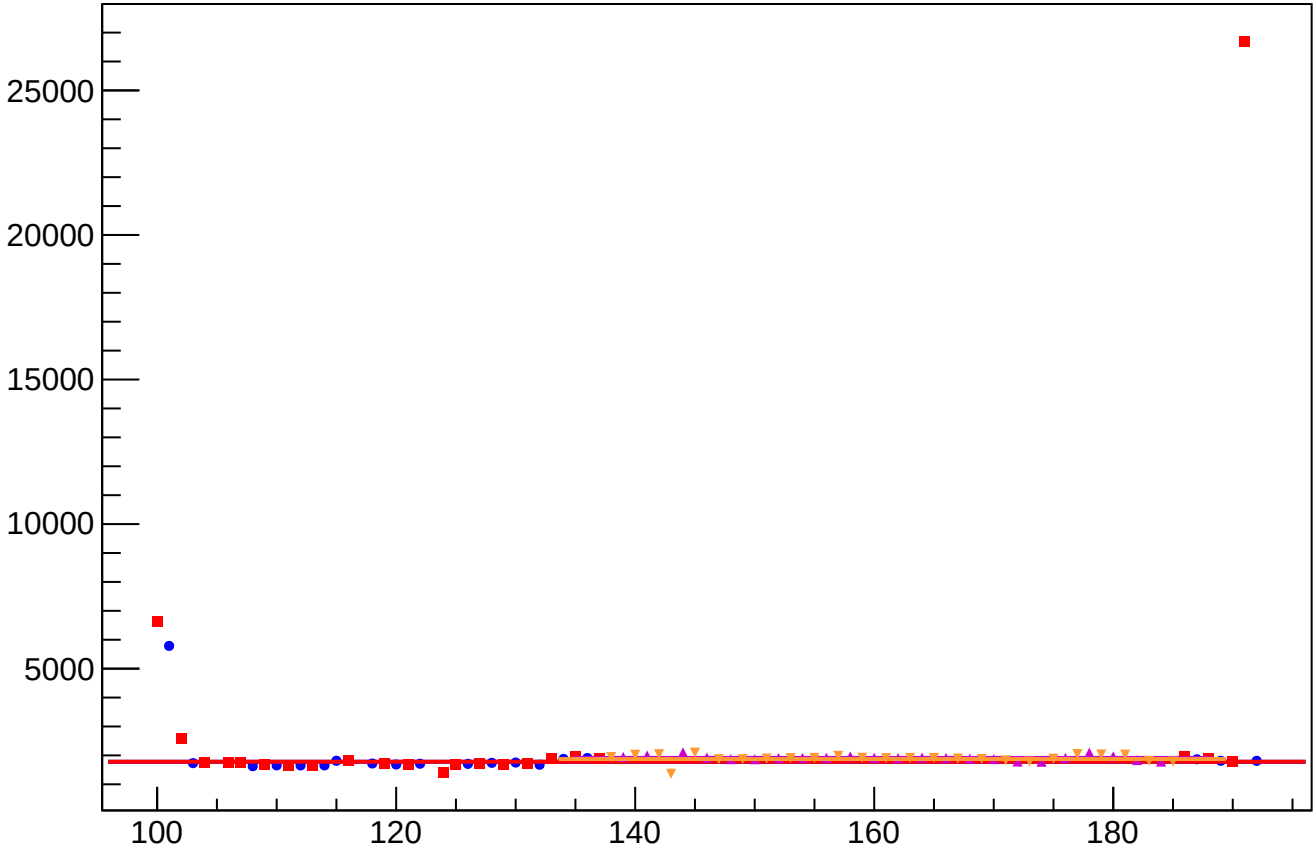
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1605.707+/-349.466 χ^2/NDF: 52.2/43

All: -364.505+/-250.134 χ^2/NDF: 158.7/89

- sign -2434.192+/-358.180 χ^2/NDF: 41.4/45

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1777.814+/-0.429 χ^2/NDF: 669671.2/18

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

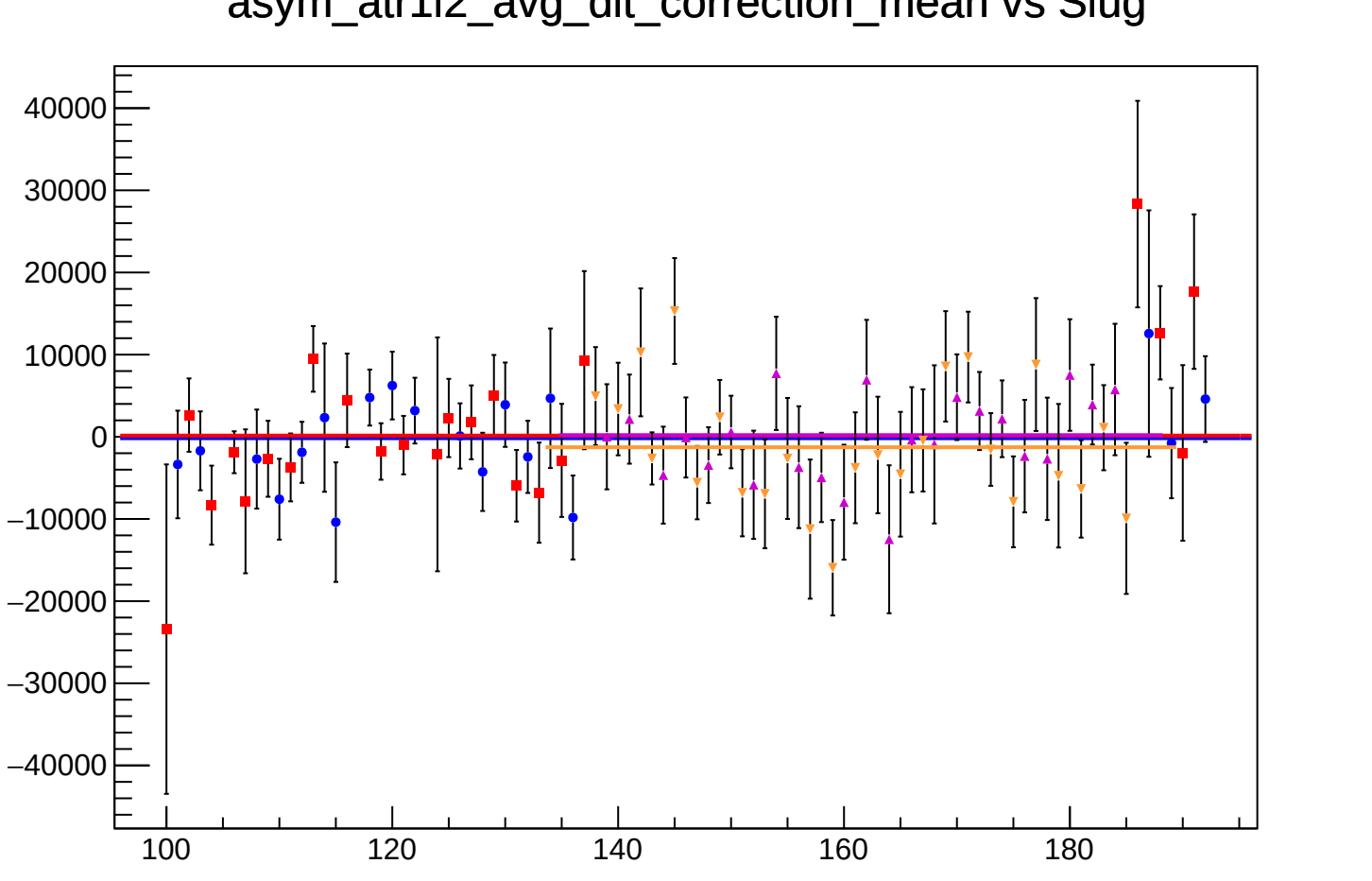
Right Out: 1780.129+/-0.423 χ^2/NDF: 551975.4/22

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1841.590+/-0.247 χ^2/NDF: 1012395.4/43

All: 1852.721+/-0.177 χ^2/NDF: 1689543.8/89

- sign 1864.395+/-0.253 χ^2/NDF: 672991.7/45



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

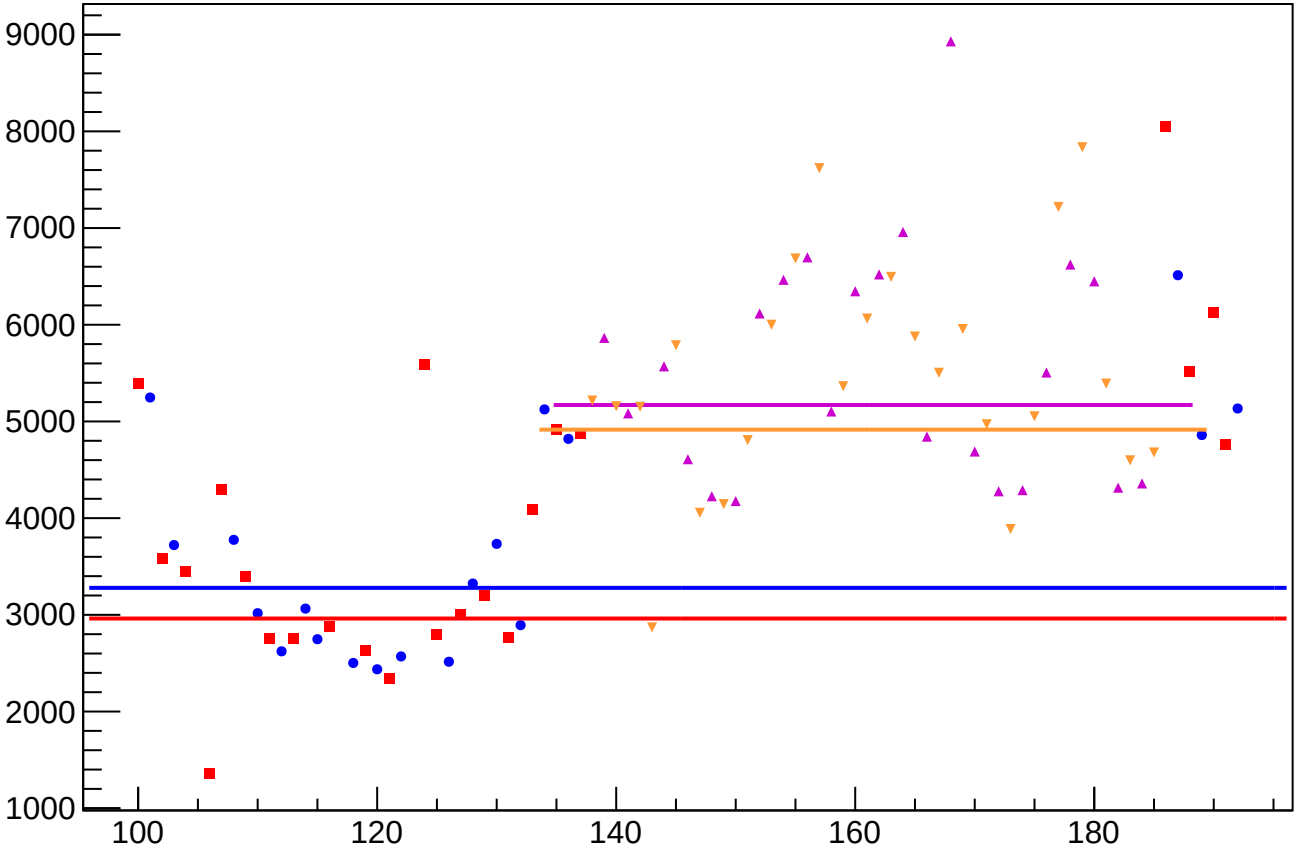
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

\+ sign -717.705+/-814.400 χ^2/NDF: 51.3/43

All: -262.830+/-568.369 χ^2/NDF: 97.5/89

\- sign 169.101+/-793.594 χ^2/NDF: 45.6/45

asym_atr1l2_avg_dit_correction_rms vs Slug



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

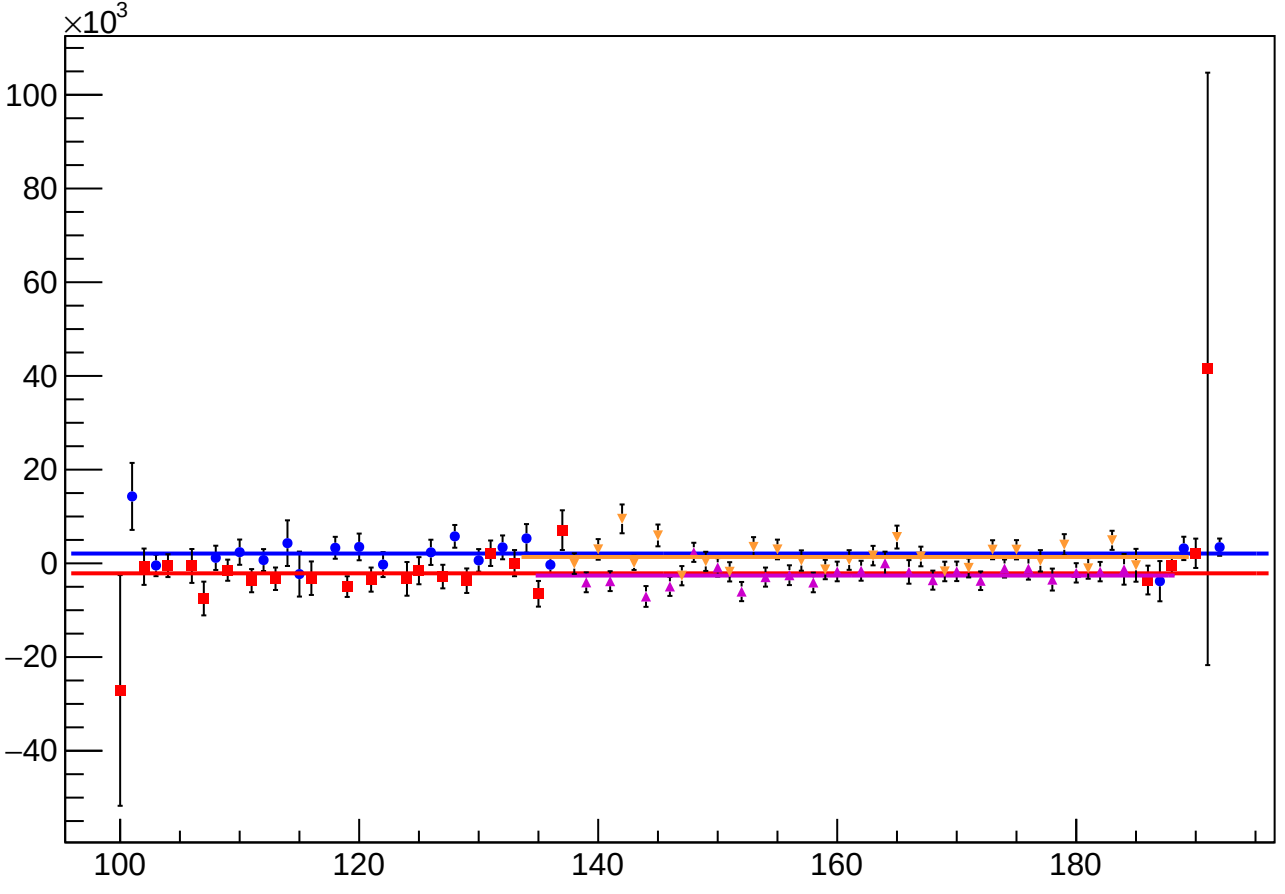
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4090.972+/-0.576 χ^2/NDF: 5563926.0/43

All: 3979.862+/-0.402 χ^2/NDF: 13126123.6/8

- sign 3874.356+/-0.561 χ^2/NDF: 7489620.3/45

eigen_dit_asym_atr1l2_avg_mean vs Slug



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

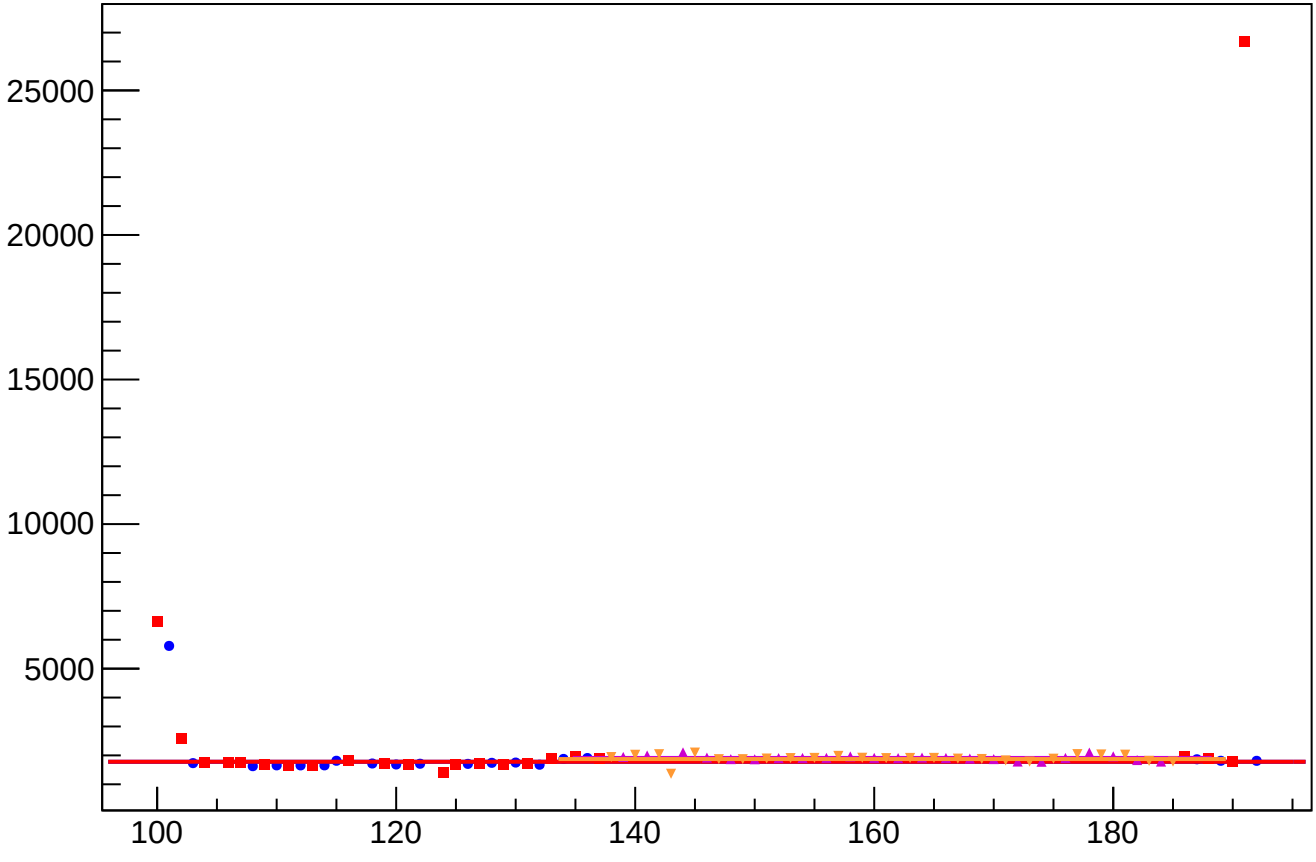
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1605.705+/-349.467 χ^2/NDF: 52.2/43

All: -364.506+/-250.134 χ^2/NDF: 158.7/89

- sign -2434.191+/-358.180 χ^2/NDF: 41.4/45

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1777.814+/-0.429 χ^2/NDF: 669671.2/18

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

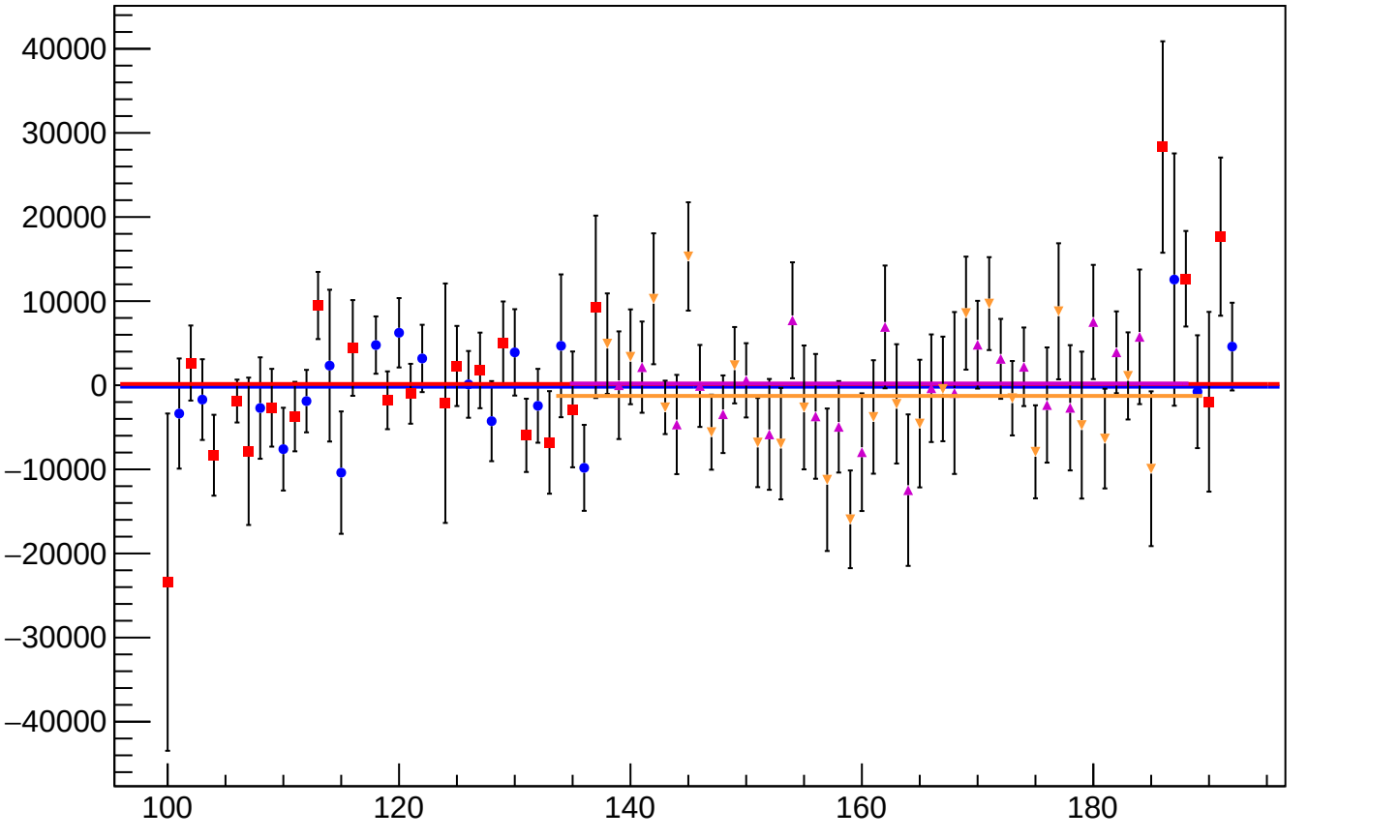
Right Out: 1780.129+/-0.423 χ^2/NDF: 551975.3/22

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1841.591+/-0.247 χ^2/NDF: 1012399.6/43

All: 1852.721+/-0.177 χ^2/NDF: 1689551.3/89

- sign 1864.395+/-0.253 χ^2/NDF: 672995.0/45



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

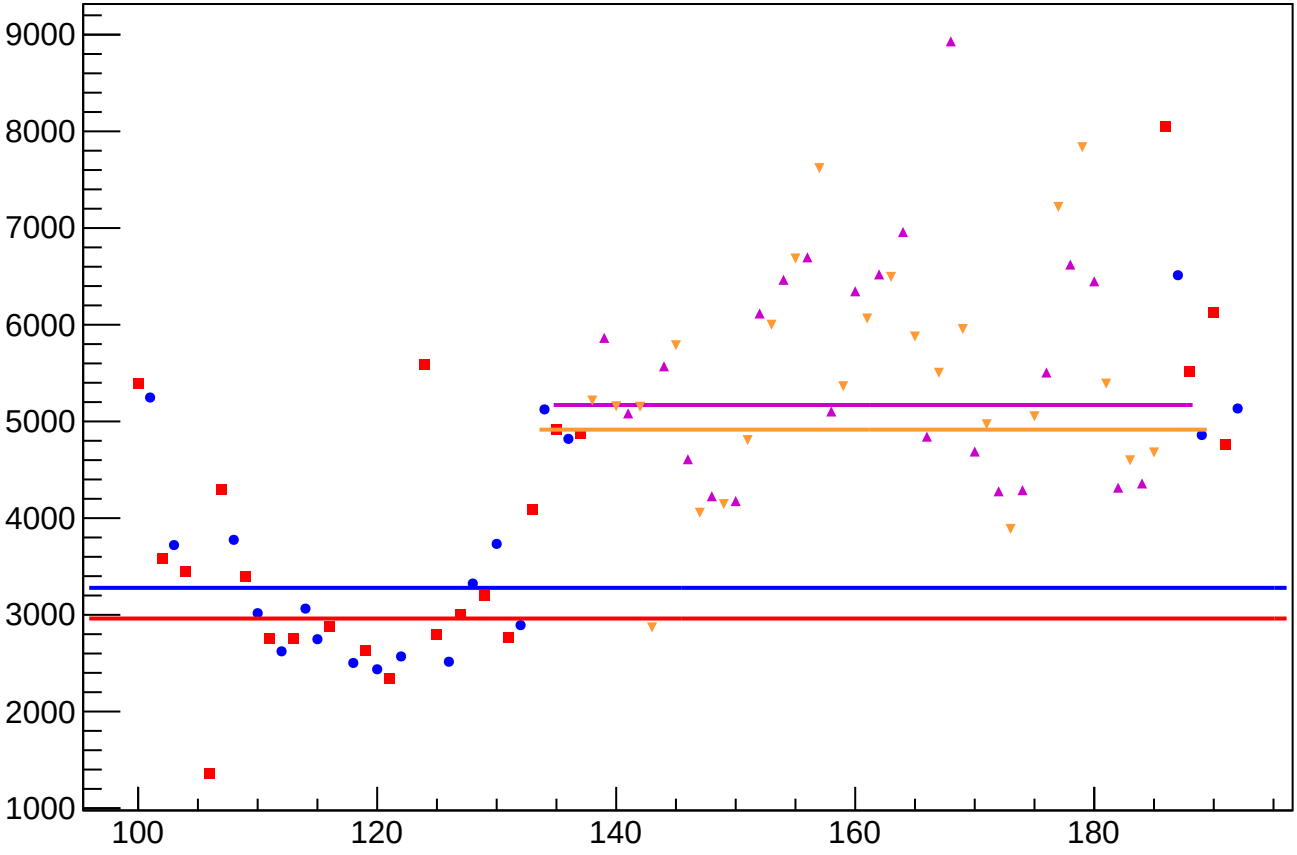
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

\+ sign -717.704+/-814.399 χ^2/NDF: 51.3/43

All: -262.831+/-568.368 χ^2/NDF: 97.5/89

\- sign 169.096+/-793.593 χ^2/NDF: 45.6/45

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



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

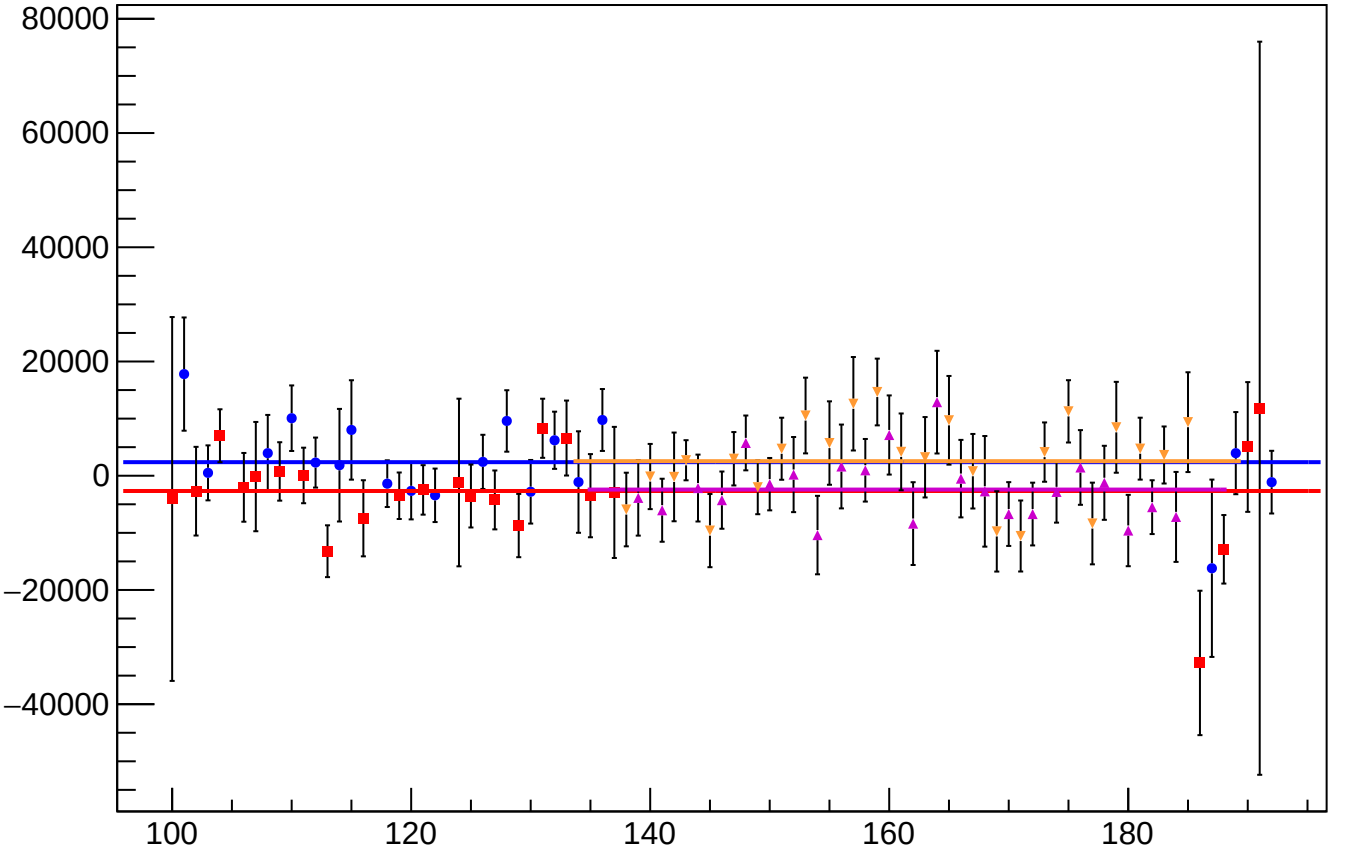
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4090.966+/-0.576 χ^2/NDF: 5563997.4/43

All: 3979.854+/-0.402 χ^2/NDF: 13126304.4/8

- sign 3874.346+/-0.561 χ^2/NDF: 7489726.6/45

asym_atr1l2_avg_mean vs Slug



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

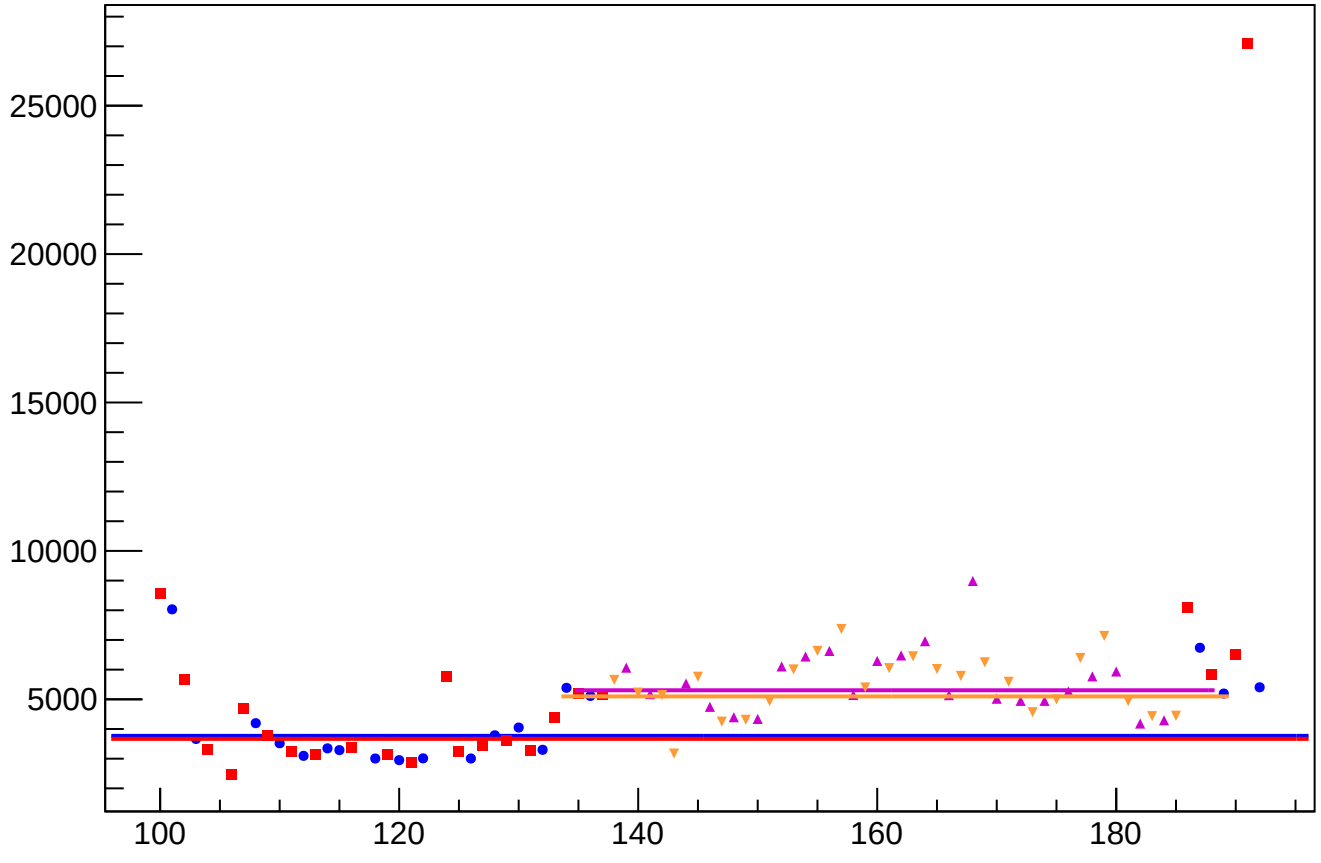
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2469.744+/-880.178 χ^2/NDF: 44.5/43

All: 17.742+/-629.210 χ^2/NDF: 103.4/89

- sign -2544.927+/-899.822 χ^2/NDF: 43.1/45

asym_atr1l2_avg_rms vs Slug



Right In: 3767.900+/-0.927 χ^2/NDF: 1208827.6/18

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

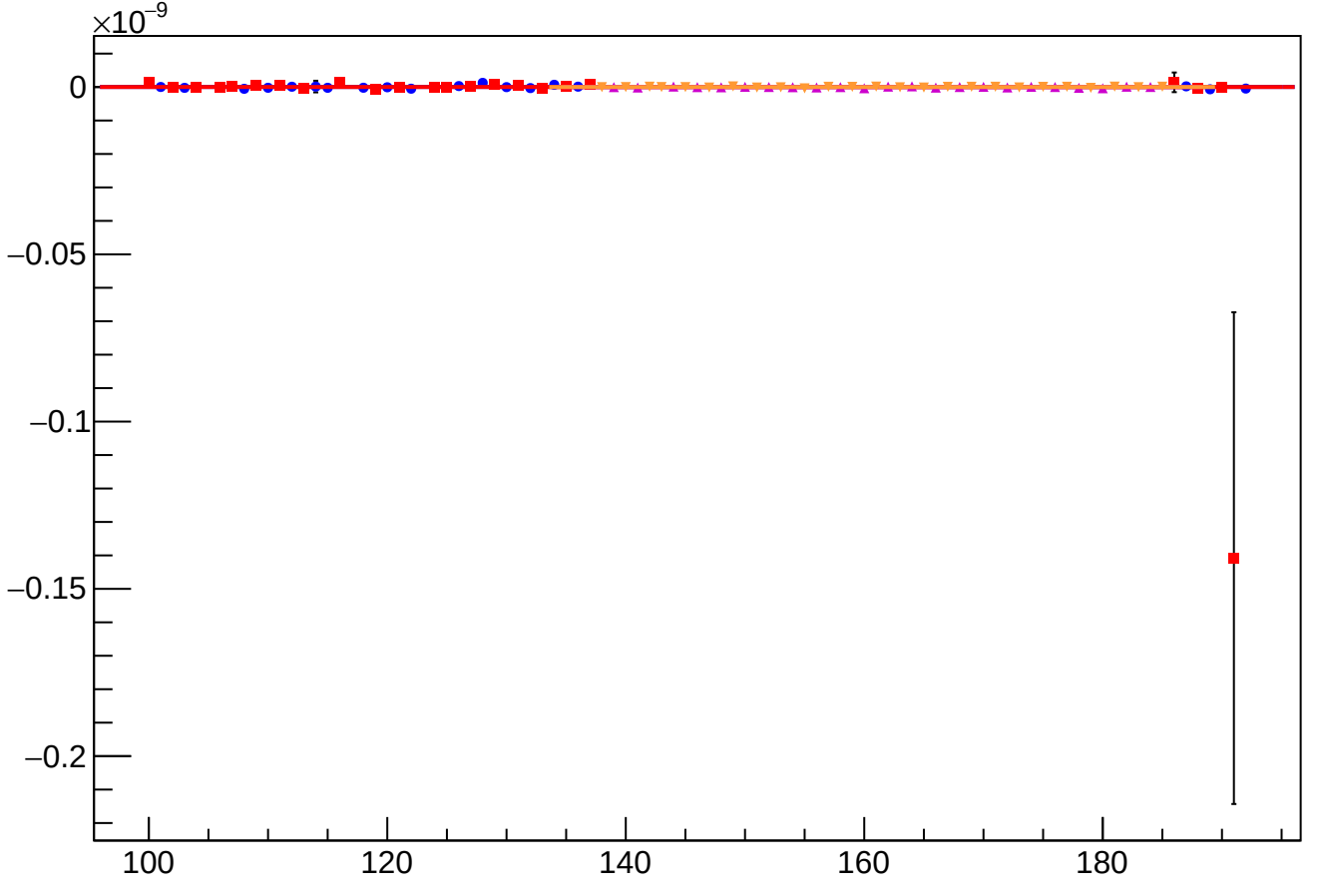
Right Out: 3668.048+/-0.896 χ^2/NDF: 1614713.2/22

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4498.421+/-0.622 χ^2/NDF: 3883959.3/43

All: 4494.901+/-0.443 χ^2/NDF: 8193120.4/89

- sign 4491.273+/-0.632 χ^2/NDF: 4309096.1/45



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

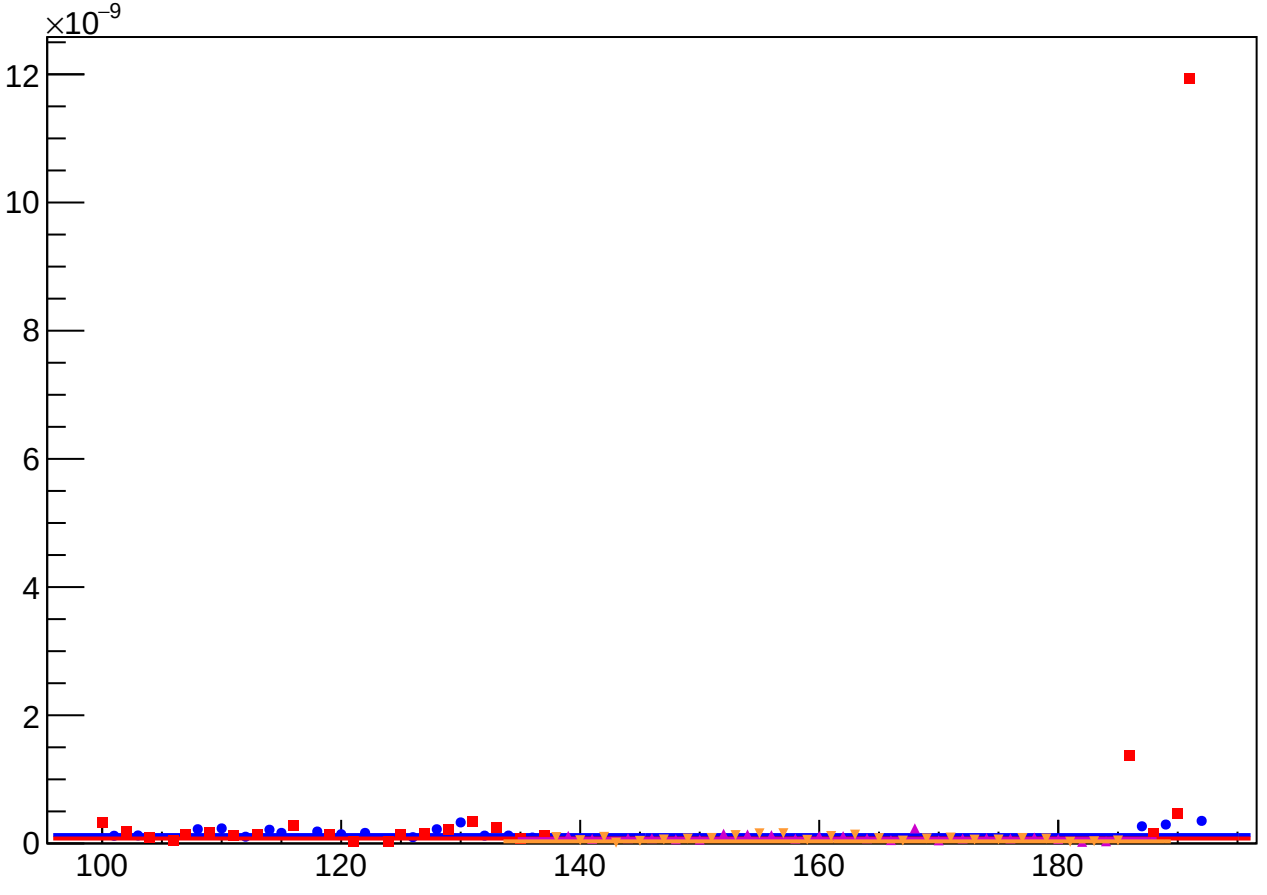
Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.4/43

All: 0.000+/-0.000 χ^2/NDF: 87.3/89

- sign 0.000+/-0.000 χ^2/NDF: 51.9/45

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1193168.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3027459.4/22

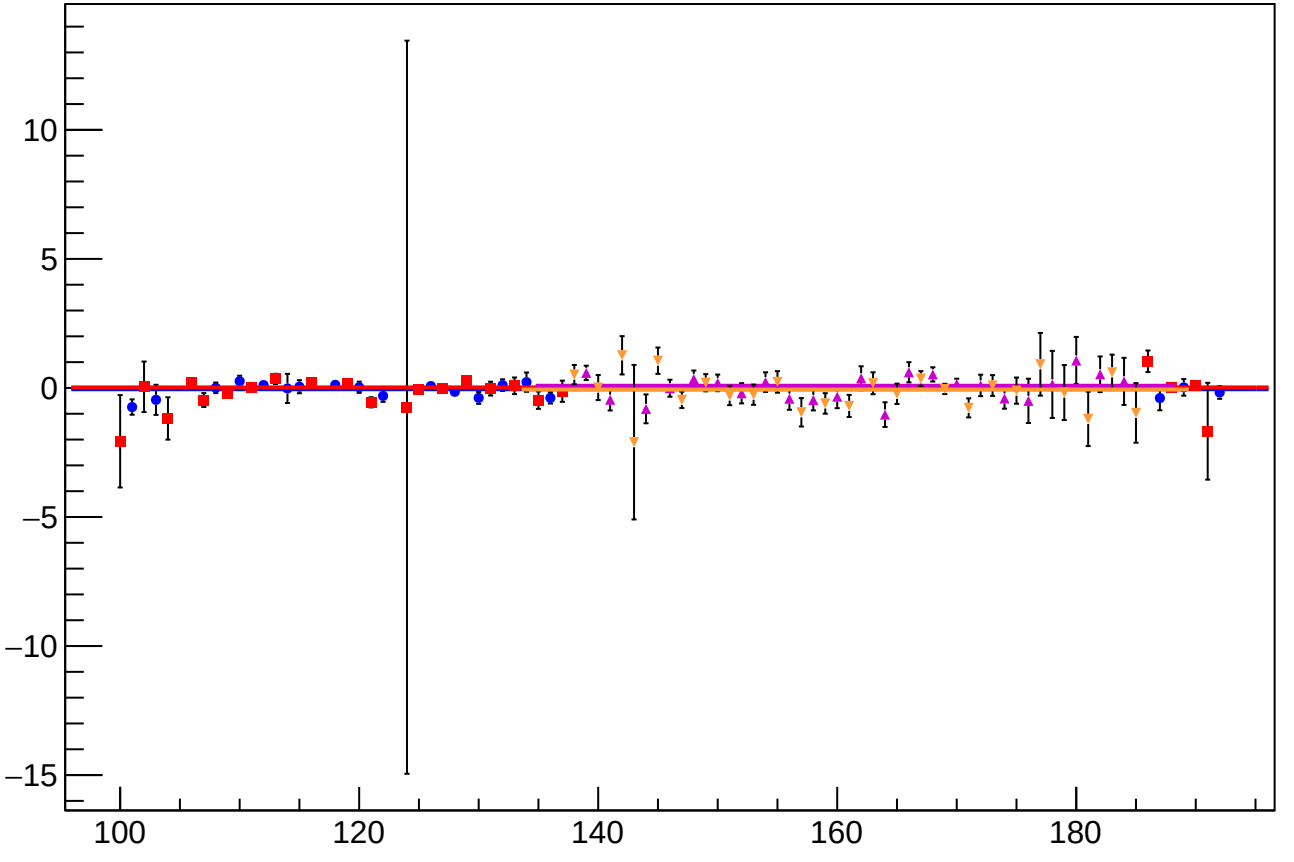
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10855682.0/43

All: 0.000+/-0.000 χ^2/NDF: 18599800.3/89

- sign 0.000+/-0.000 χ^2/NDF: 5525417.3/45

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



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

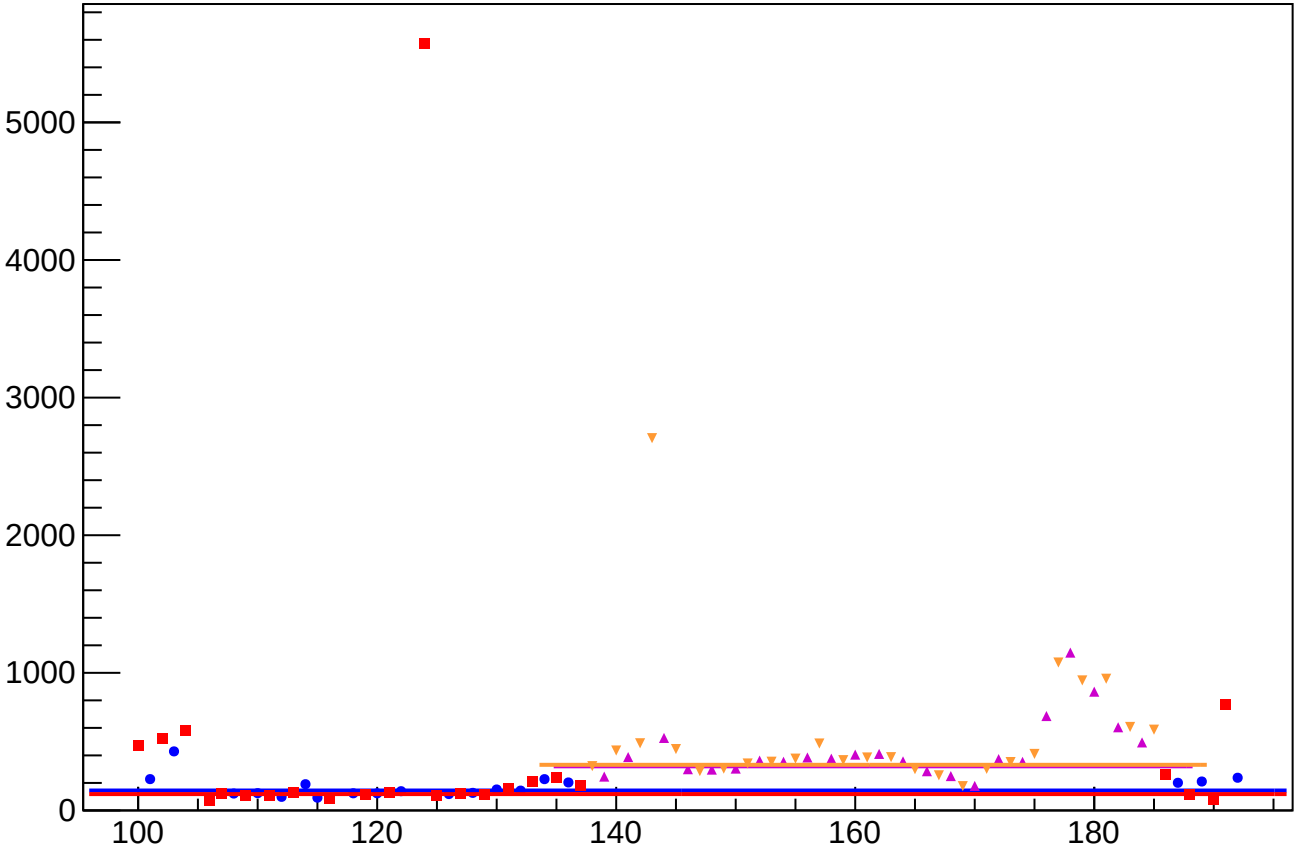
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.052+/-0.045 χ^2/NDF: 49.6/43

All: -0.002+/-0.030 χ^2/NDF: 114.9/89

- sign 0.036+/-0.040 χ^2/NDF: 63.2/45

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.886+/-0.038 χ^2/NDF: 1697243.8/18

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

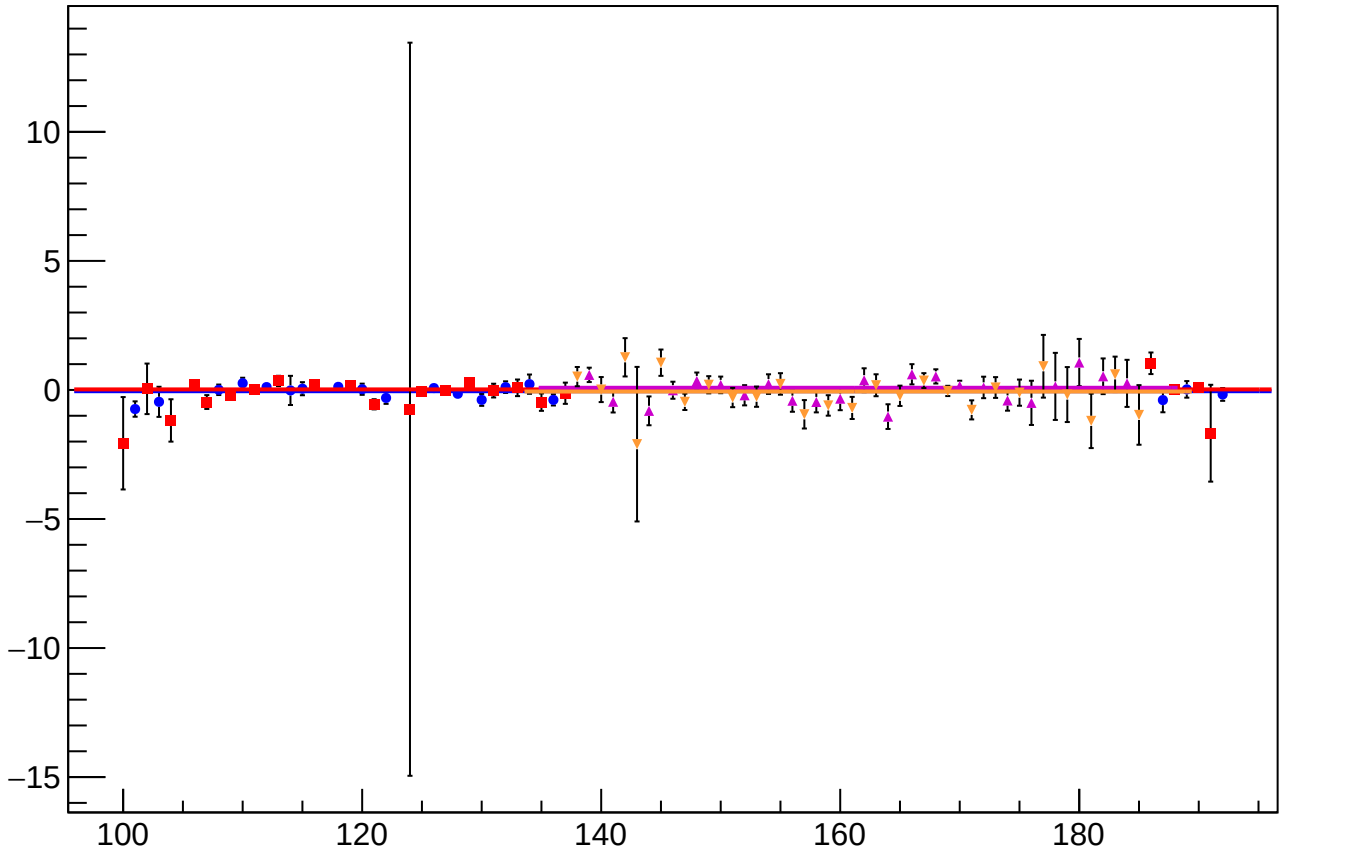
Right Out: 118.905+/-0.032 χ^2/NDF: 2735512.0/22

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 198.840+/-0.032 χ^2/NDF: 14617883.8/43

All: 180.792+/-0.021 χ^2/NDF: 31607462.6/89

- sign 166.843+/-0.028 χ^2/NDF: 16418813.3/45



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

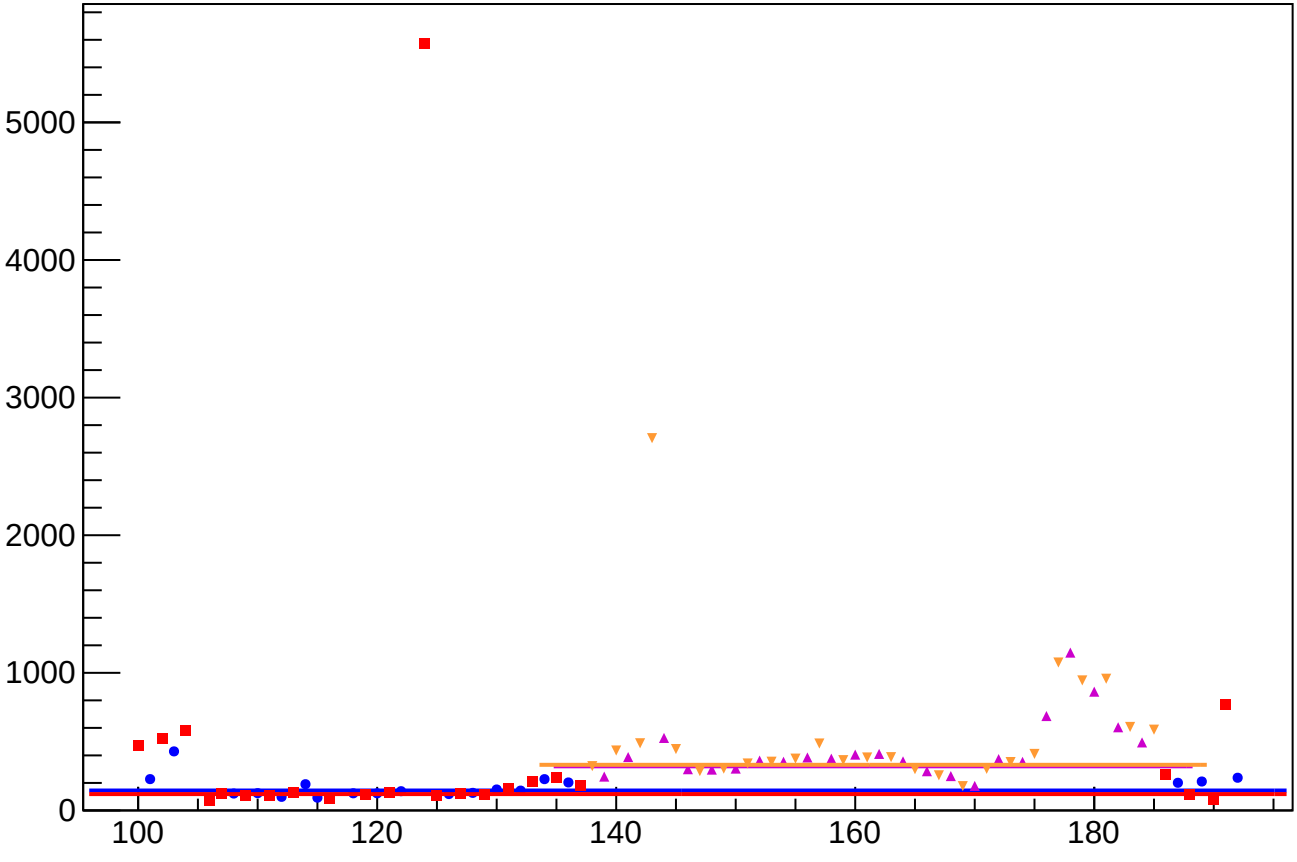
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.052+/-0.045 χ^2/NDF: 49.6/43

All: -0.002+/-0.030 χ^2/NDF: 114.9/89

- sign 0.036+/-0.040 χ^2/NDF: 63.2/45

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.886+/-0.038 χ^2/NDF: 1697243.8/18

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

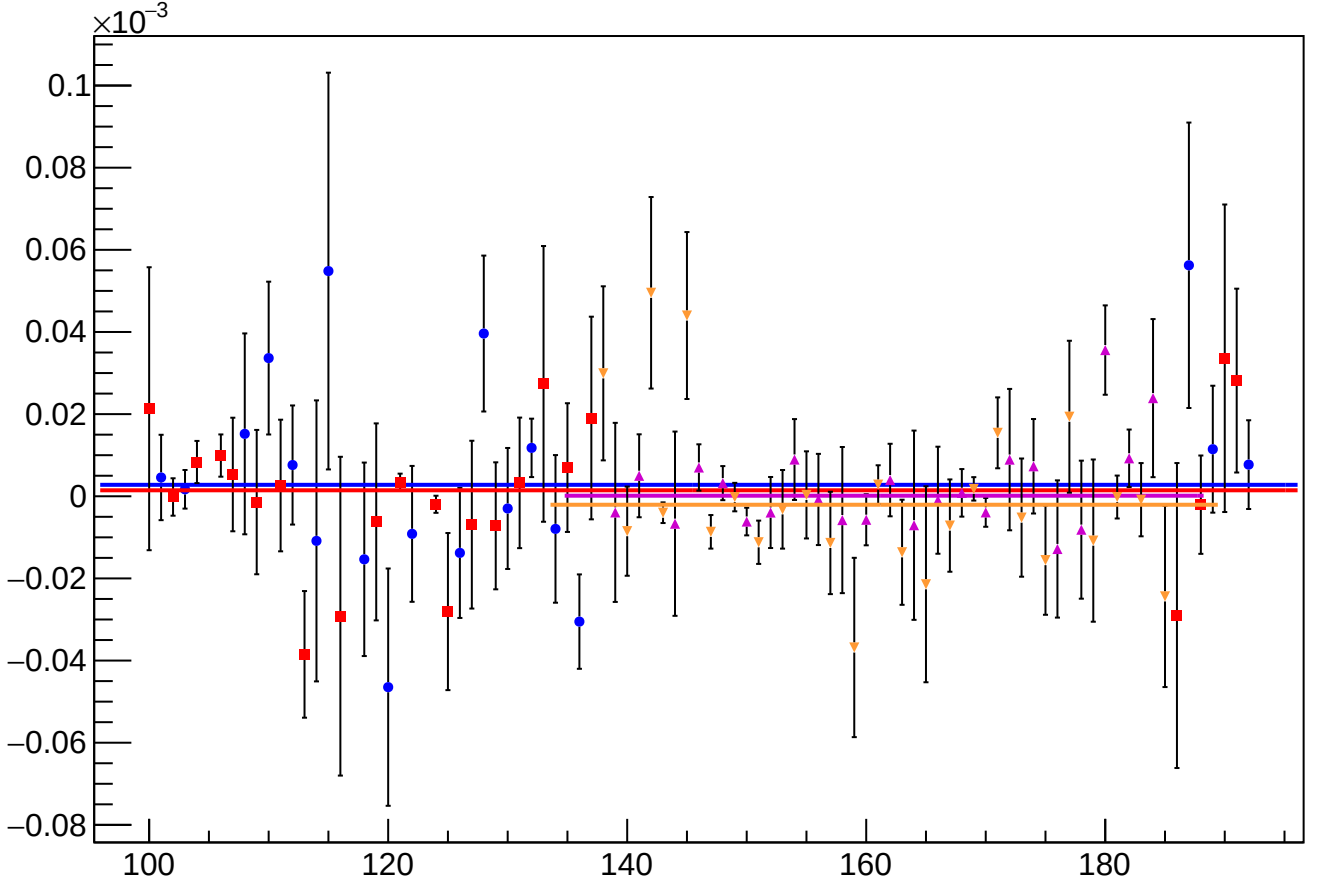
Right Out: 118.905+/-0.032 χ^2/NDF: 2735512.0/22

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 198.840+/-0.032 χ^2/NDF: 14617883.8/43

All: 180.792+/-0.021 χ^2/NDF: 31607462.6/89

- sign 166.843+/-0.028 χ^2/NDF: 16418813.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/18

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

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/22

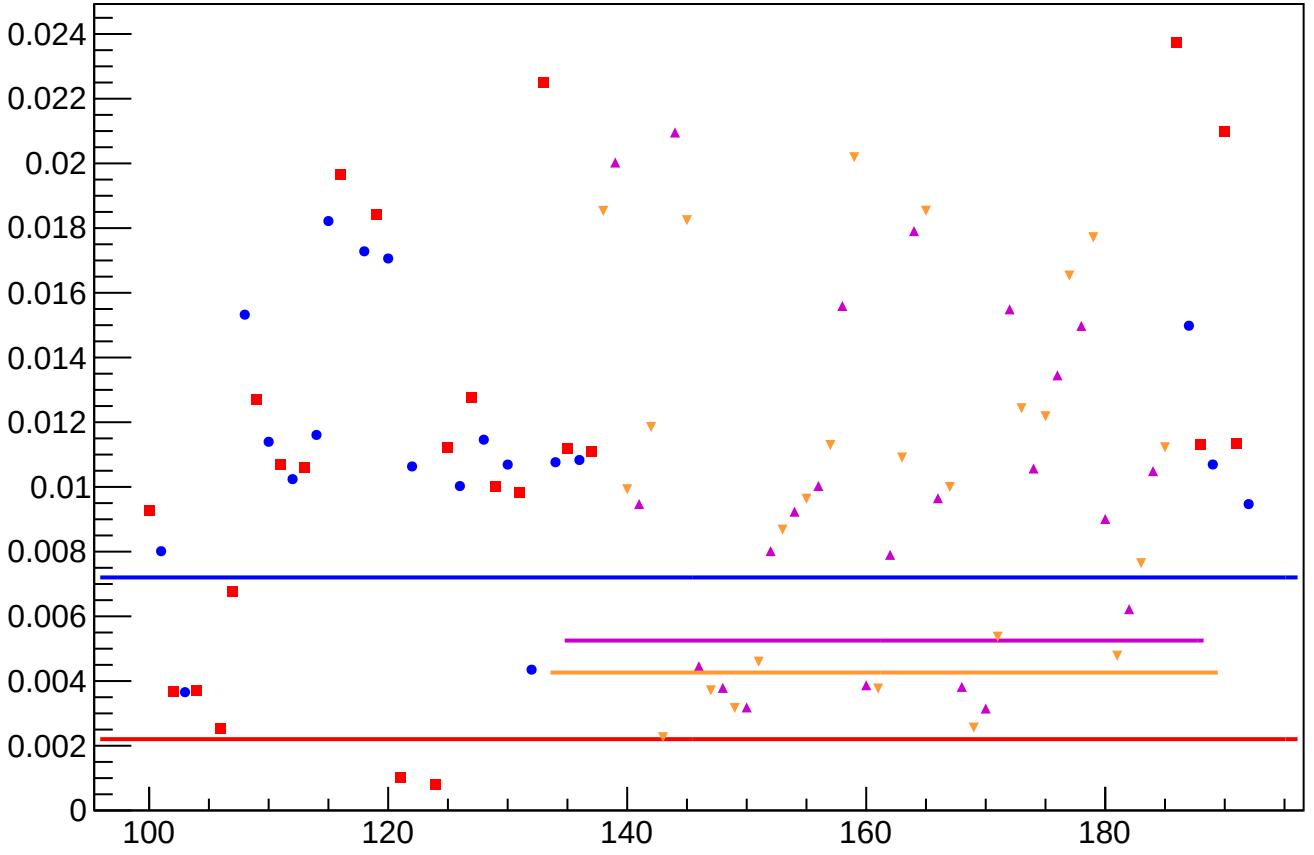
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.1/43

All: 0.000+/-0.000 χ^2/NDF: 114.8/89

- sign 0.000+/-0.000 χ^2/NDF: 48.5/45

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3549495.1/18

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

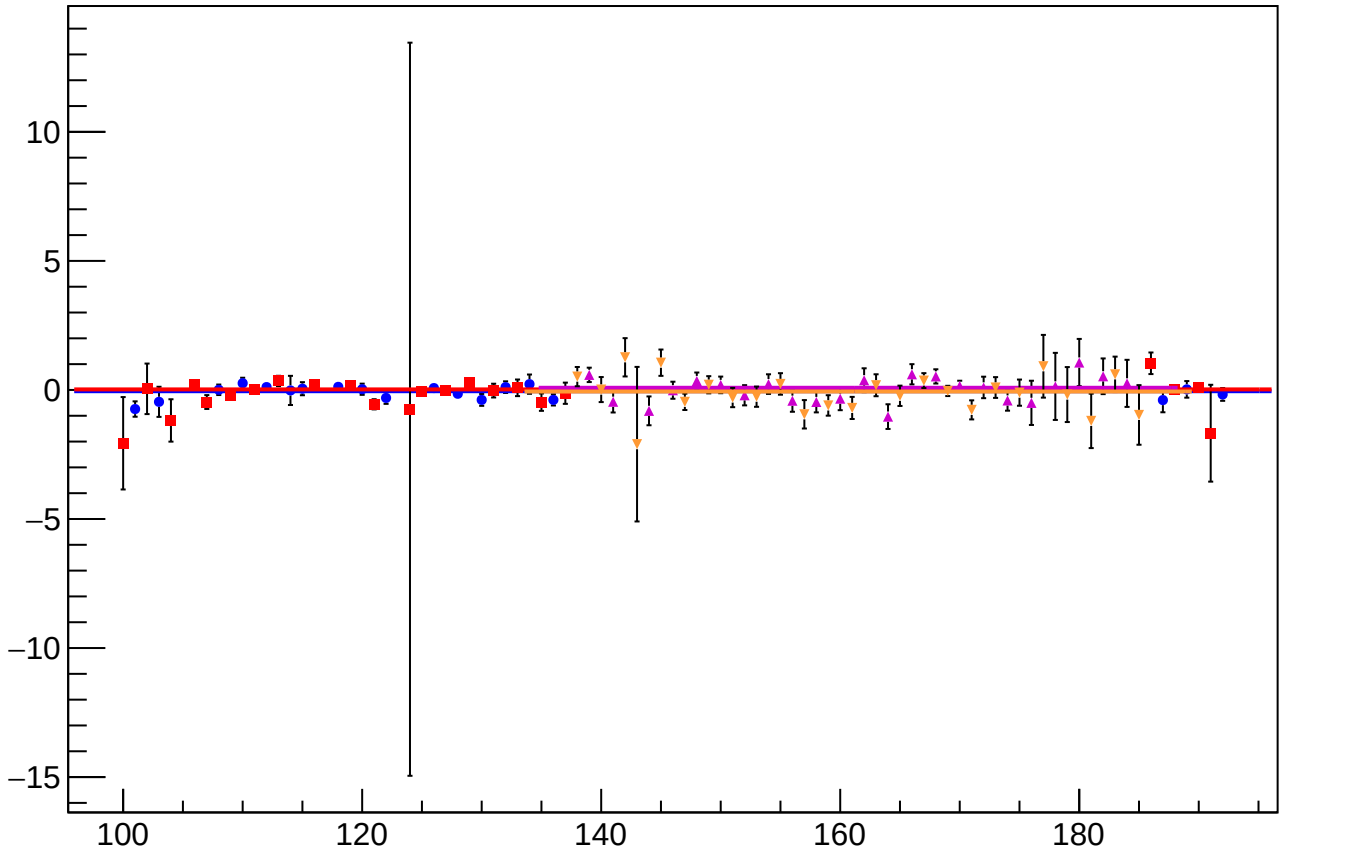
Right Out: 0.002+/-0.000 χ^2/NDF: 11715811.7/22

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 18354900.6/43

All: 0.004+/-0.000 χ^2/NDF: 45974025.0/89

- sign 0.003+/-0.000 χ^2/NDF: 26061933.8/45



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

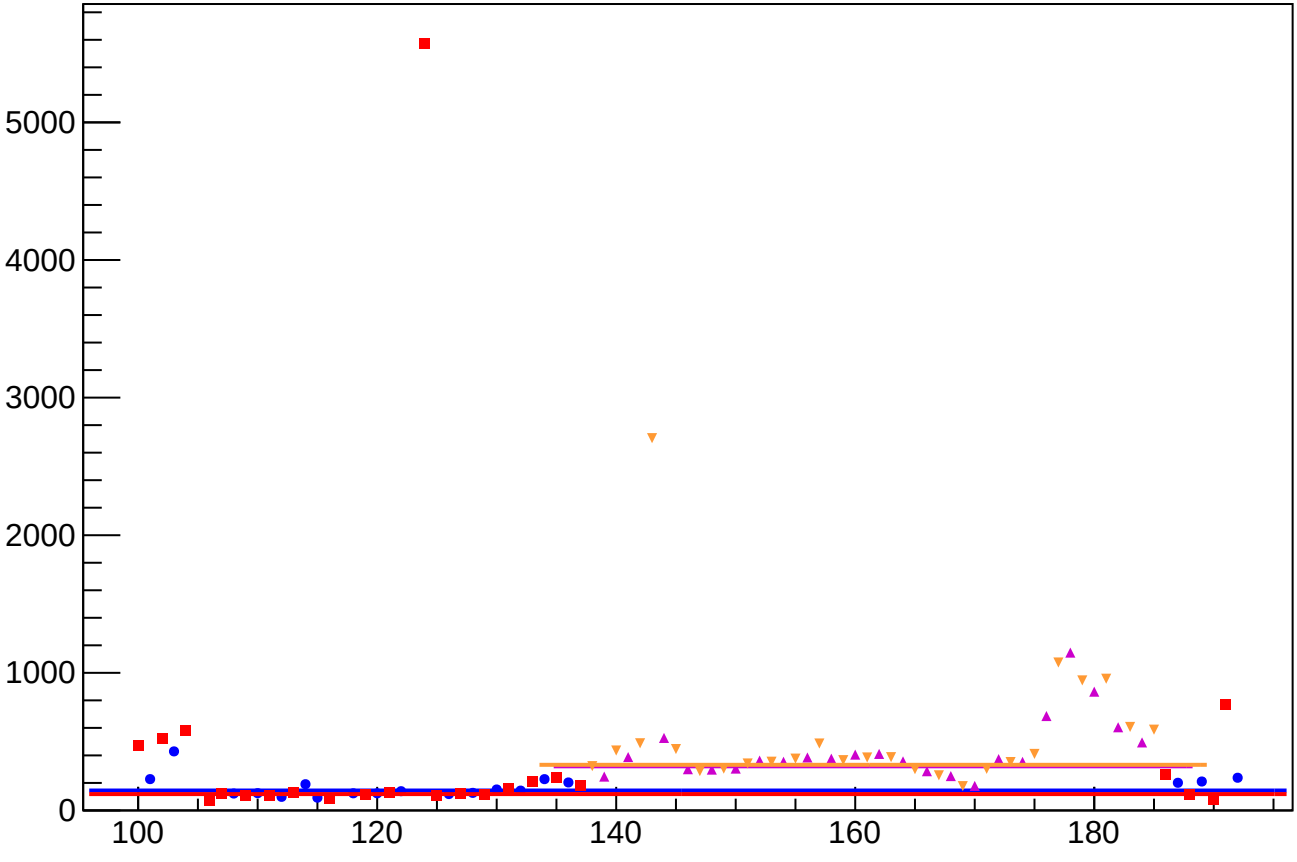
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.052+/-0.045 χ^2/NDF: 49.6/43

All: -0.002+/-0.030 χ^2/NDF: 114.9/89

- sign 0.036+/-0.040 χ^2/NDF: 63.2/45

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 144.887+/-0.038 χ^2/NDF: 1697168.1/18

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

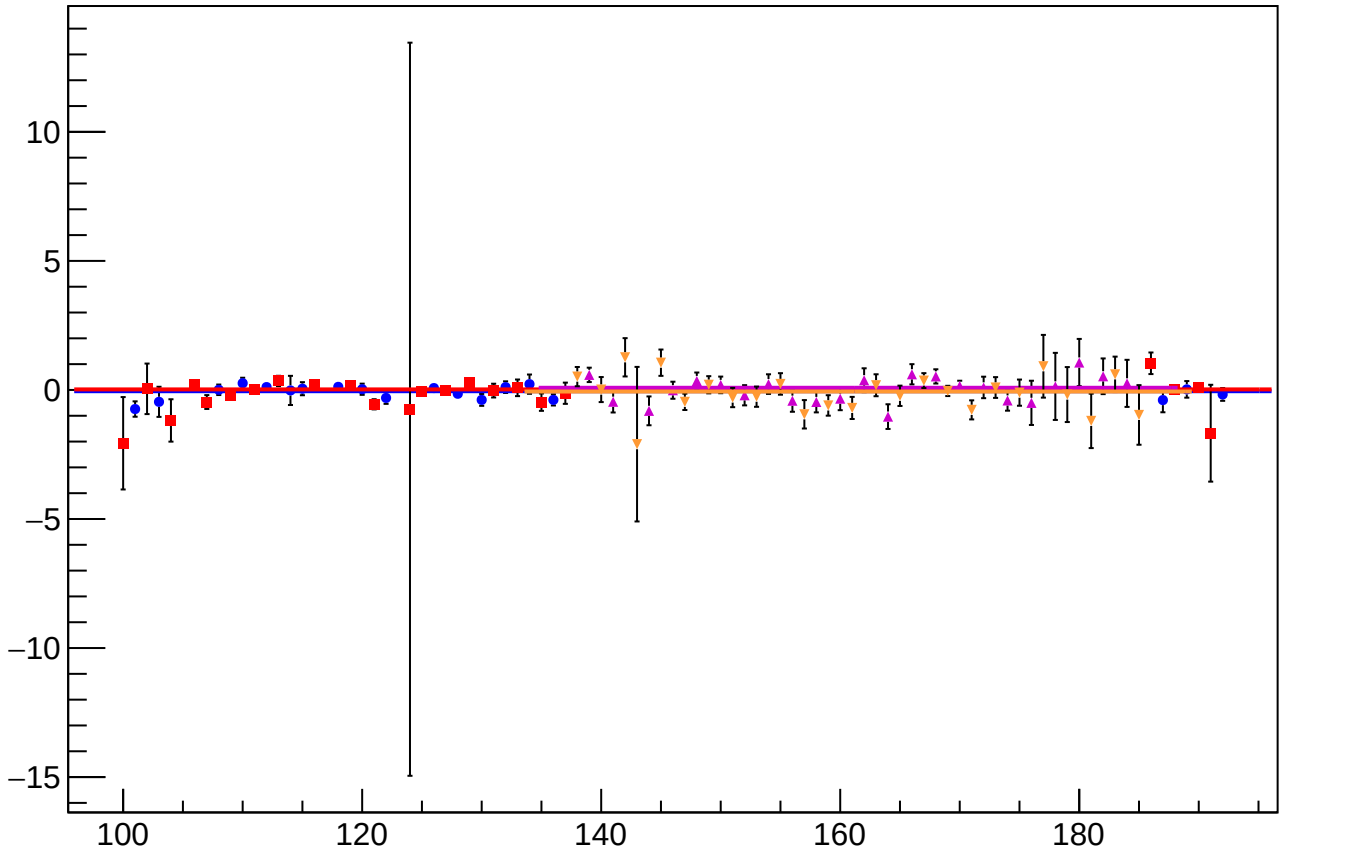
Right Out: 118.904+/-0.032 χ^2/NDF: 2735437.3/22

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 198.841+/-0.032 χ^2/NDF: 14617854.3/43

All: 180.792+/-0.021 χ^2/NDF: 31607616.7/89

- sign 166.843+/-0.028 χ^2/NDF: 16418938.1/45



Right In: -0.049+/-0.053 χ^2/NDF: 18.8/18

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

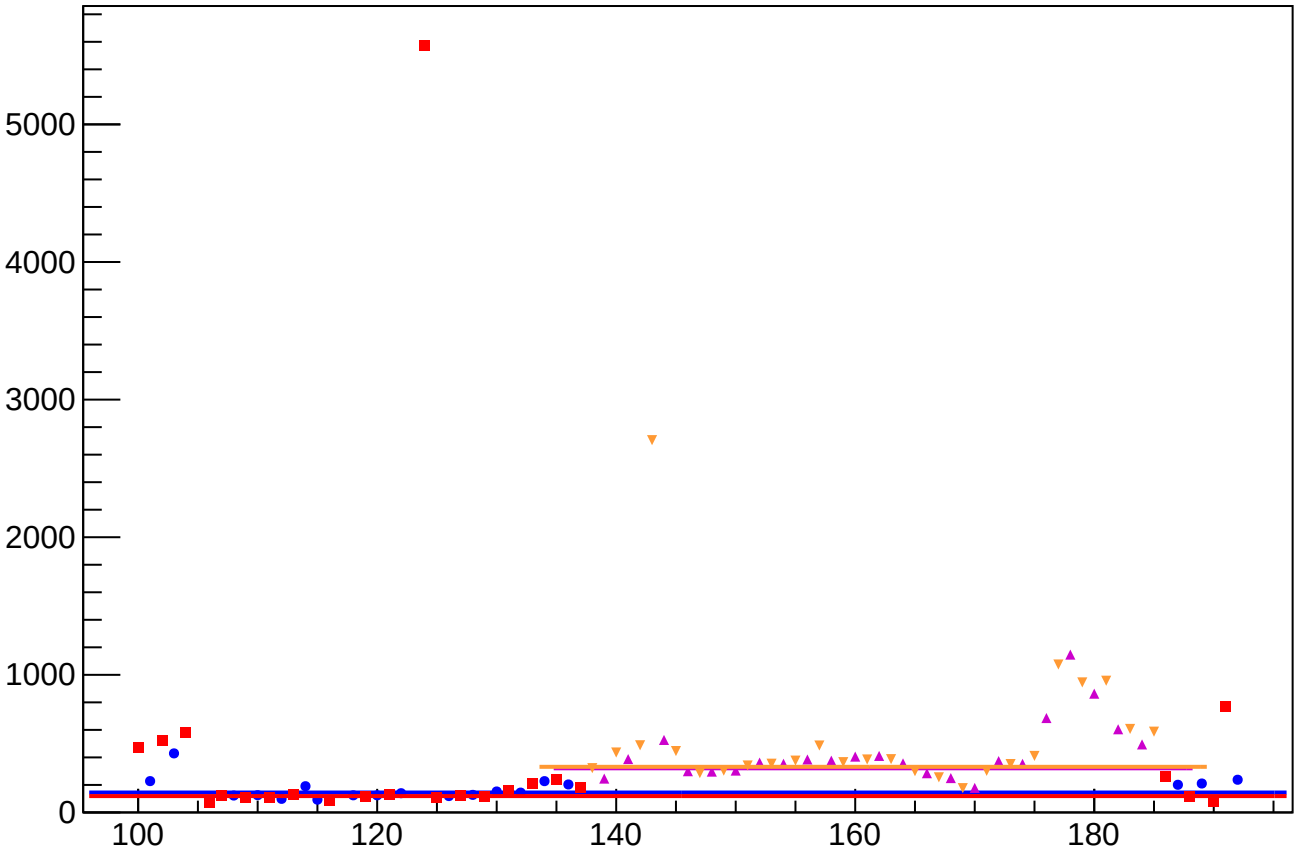
Right Out: 0.021+/-0.045 χ^2/NDF: 35.7/22

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.052+/-0.045 χ^2/NDF: 49.6/43

All: -0.002+/-0.030 χ^2/NDF: 114.9/89

- sign 0.036+/-0.040 χ^2/NDF: 63.2/45



Right In: 144.887+/-0.038 χ^2/NDF: 1697168.1/18

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

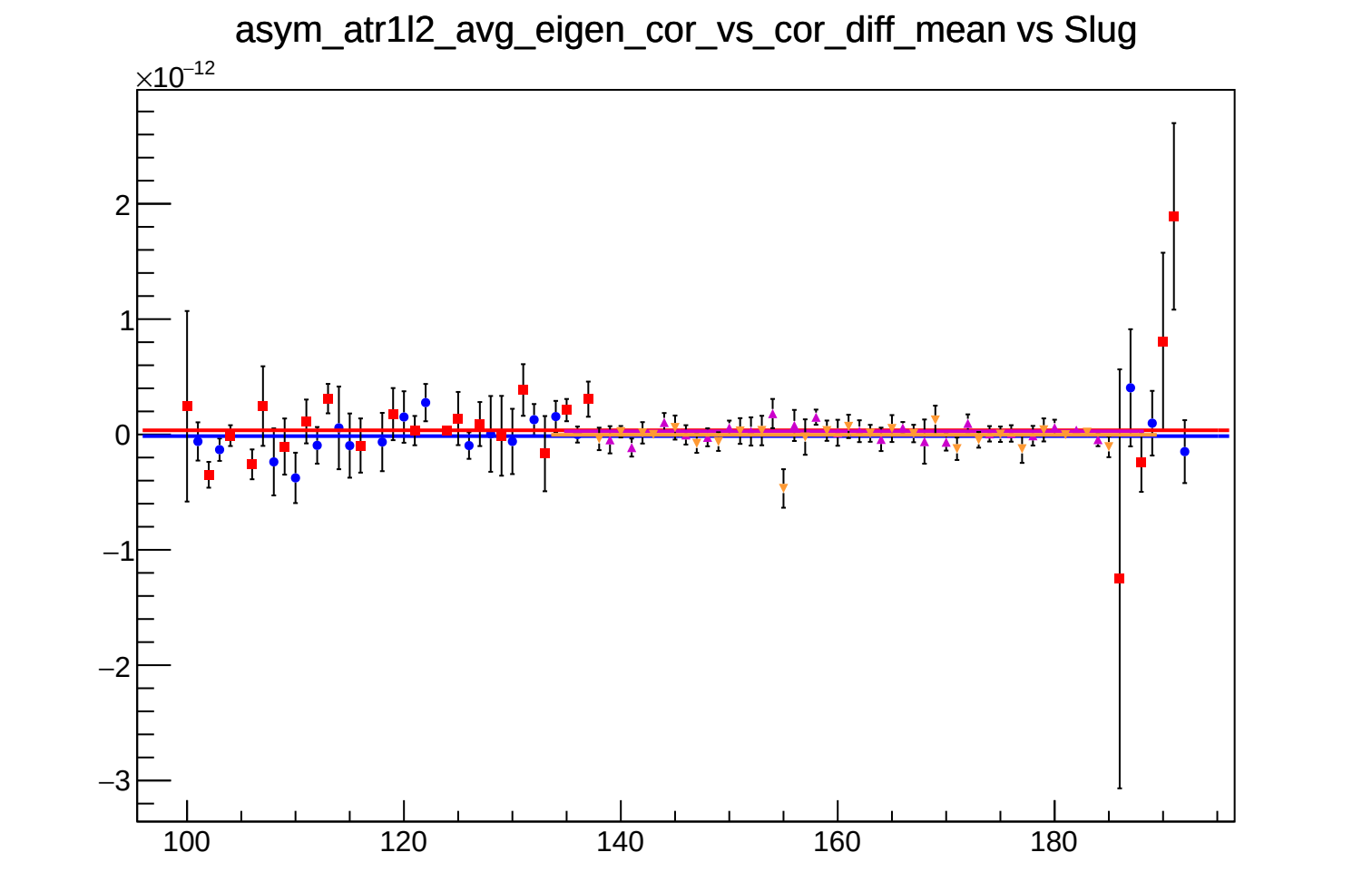
Right Out: 118.904+/-0.032 χ^2/NDF: 2735437.3/22

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 198.841+/-0.032 χ^2/NDF: 14617854.3/43

All: 180.792+/-0.021 χ^2/NDF: 31607616.7/89

- sign 166.843+/-0.028 χ^2/NDF: 16418938.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 13.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

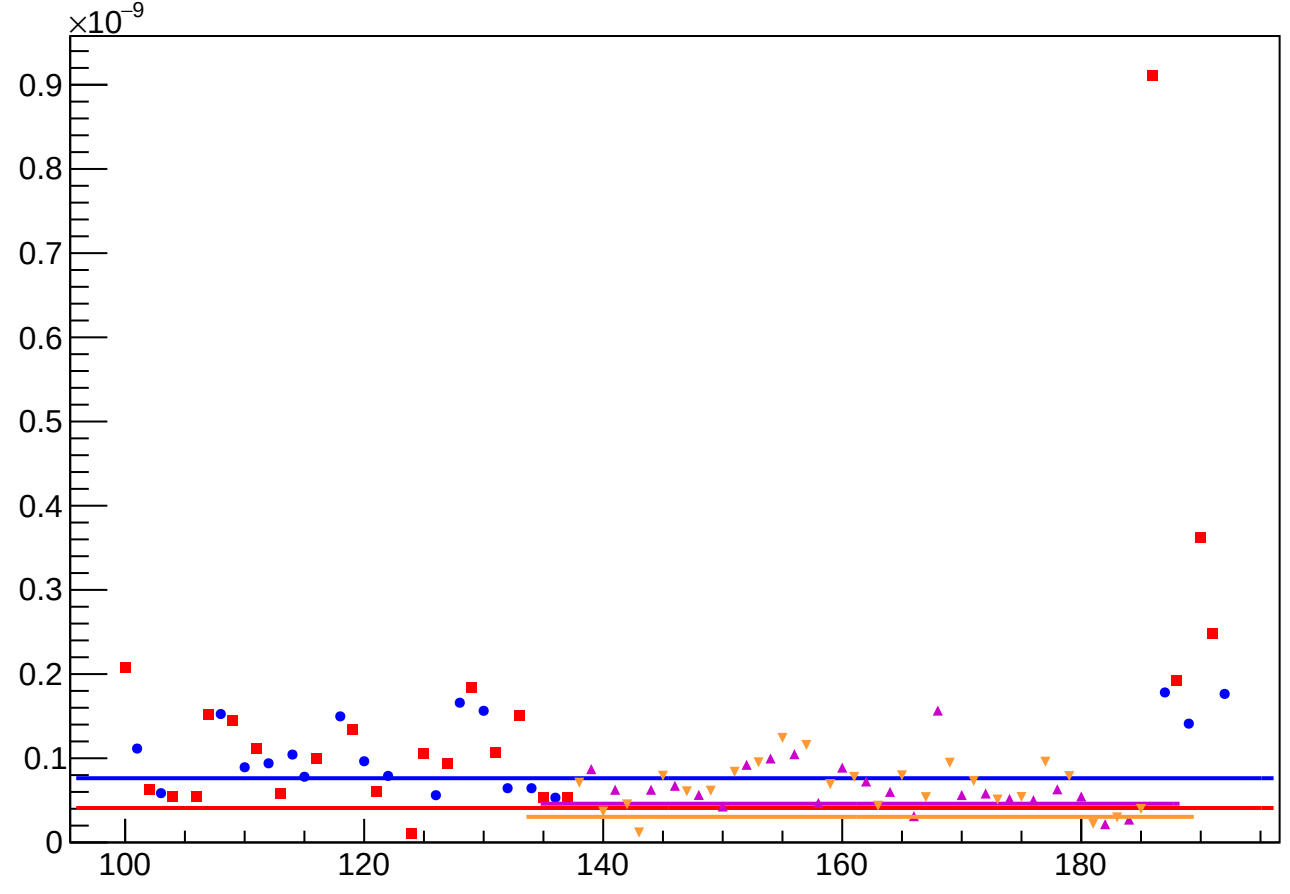
Right Out: 0.000+/-0.000 χ^2/NDF: 41.0/22

Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.4/43

All: 0.000+/-0.000 χ^2/NDF: 91.8/89

- sign 0.000+/-0.000 χ^2/NDF: 57.3/45



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

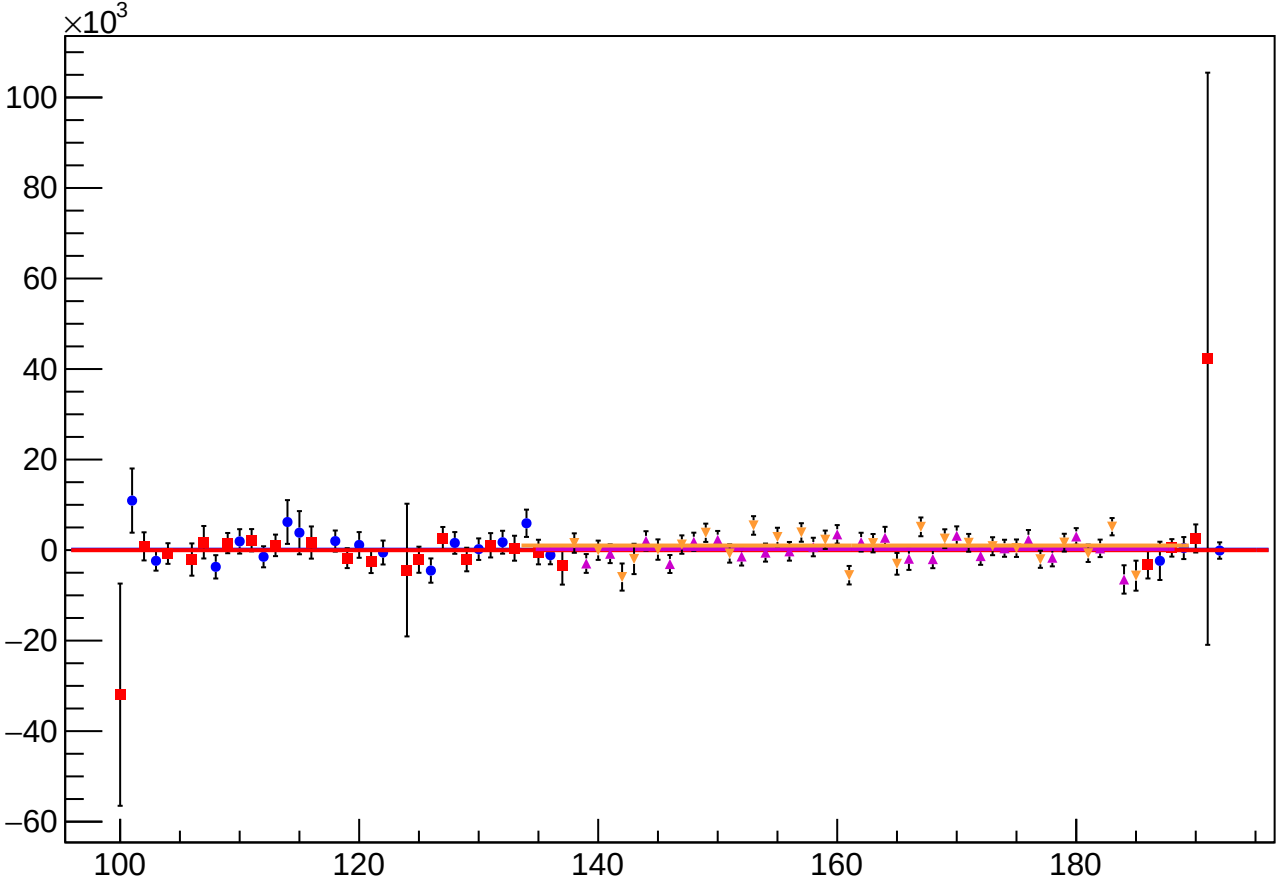
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15030462.5/43

All: 0.000+/-0.000 χ^2/NDF: 26762176.2/89

- sign 0.000+/-0.000 χ^2/NDF: 10872338.3/45

reg_asym_atr1l2_dd_mean vs Slug



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

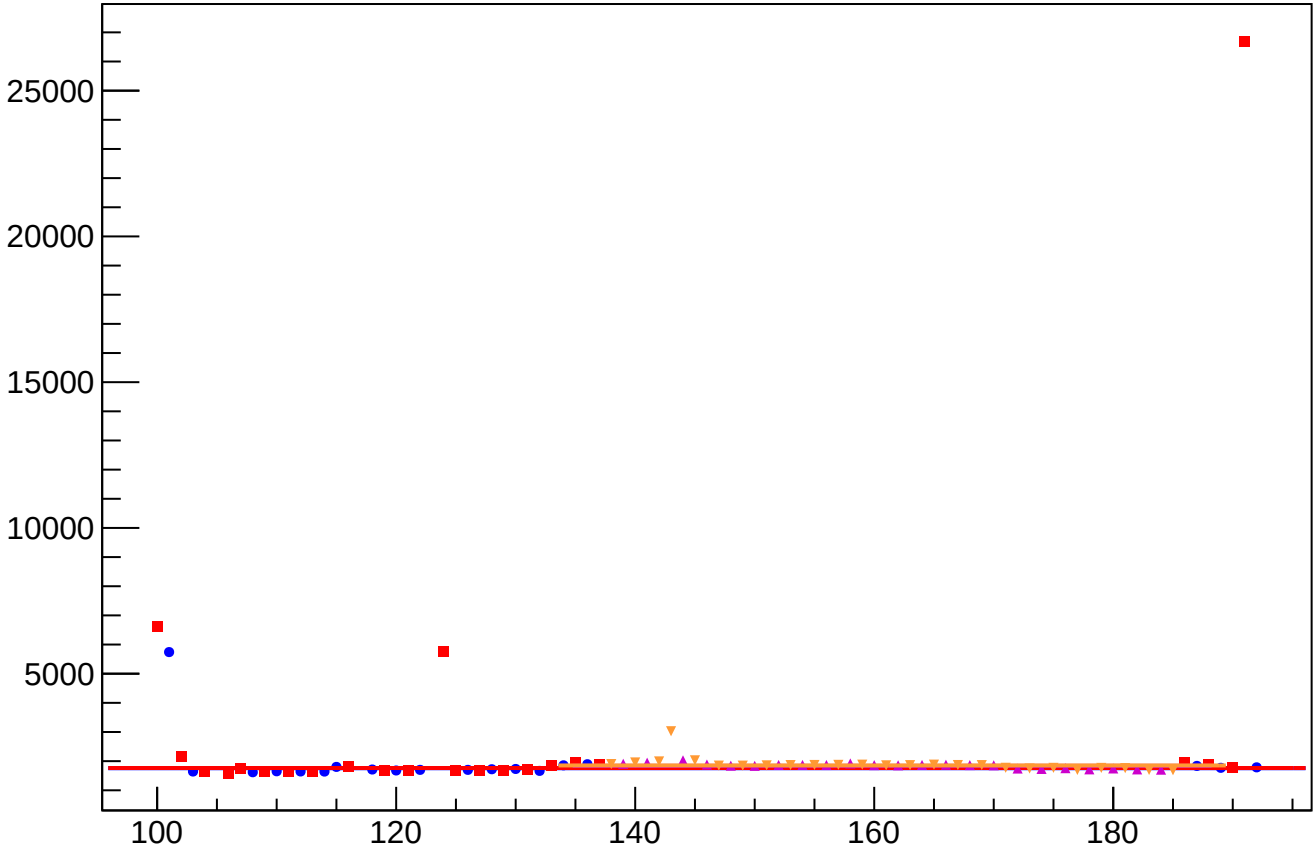
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 701.167+/-345.514 χ^2/NDF: 67.0/43

All: 424.248+/-245.423 χ^2/NDF: 106.1/89

- sign 142.246+/-348.670 χ^2/NDF: 37.8/45

reg_asym_atr1l2_dd_rms vs Slug



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

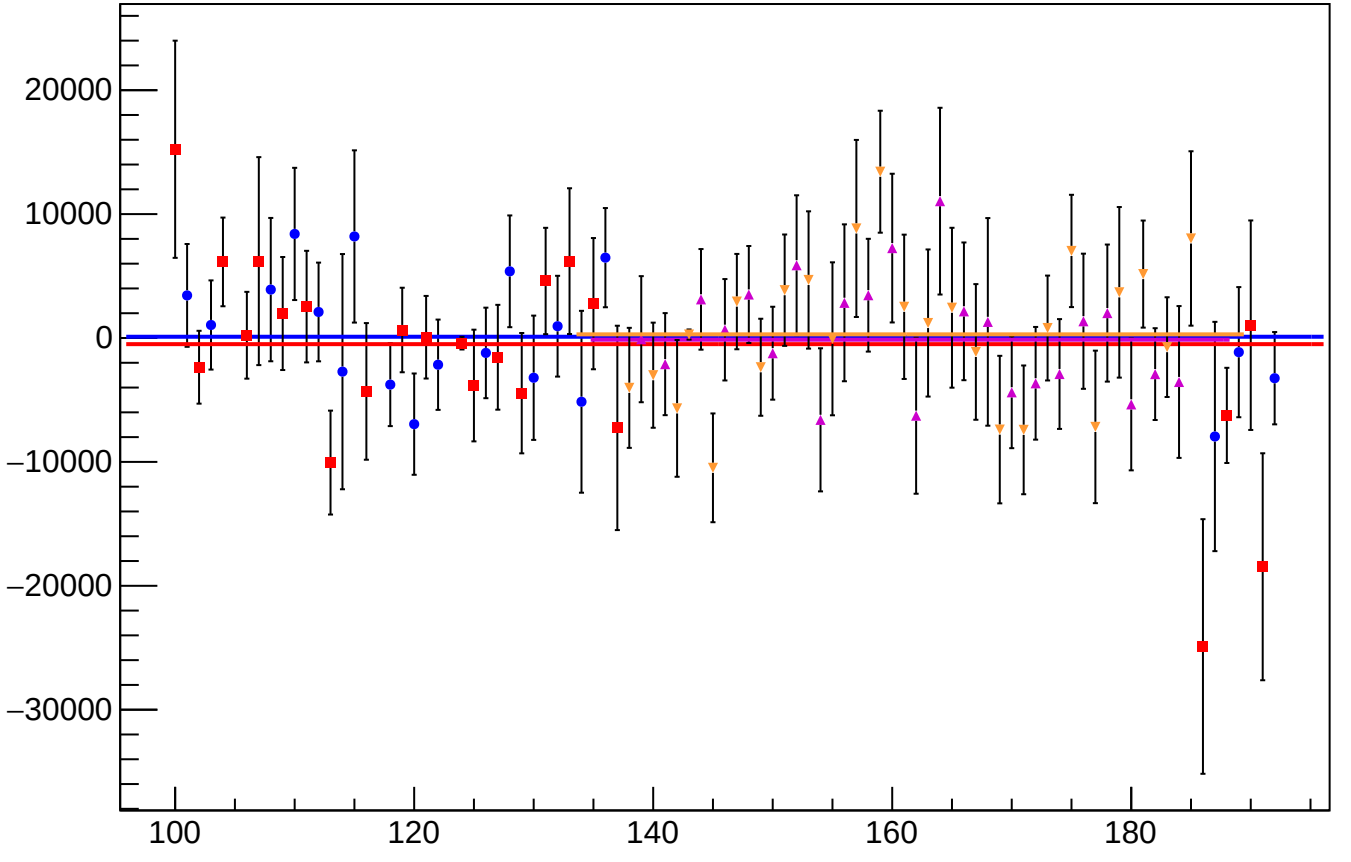
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1820.873+/-0.244 χ^2/NDF: 1026055.1/43

All: 1817.050+/-0.173 χ^2/NDF: 1752797.6/89

- sign 1813.173+/-0.246 χ^2/NDF: 726249.4/45

asym_atr1l2_dd_reg_correction_mean vs Slug



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

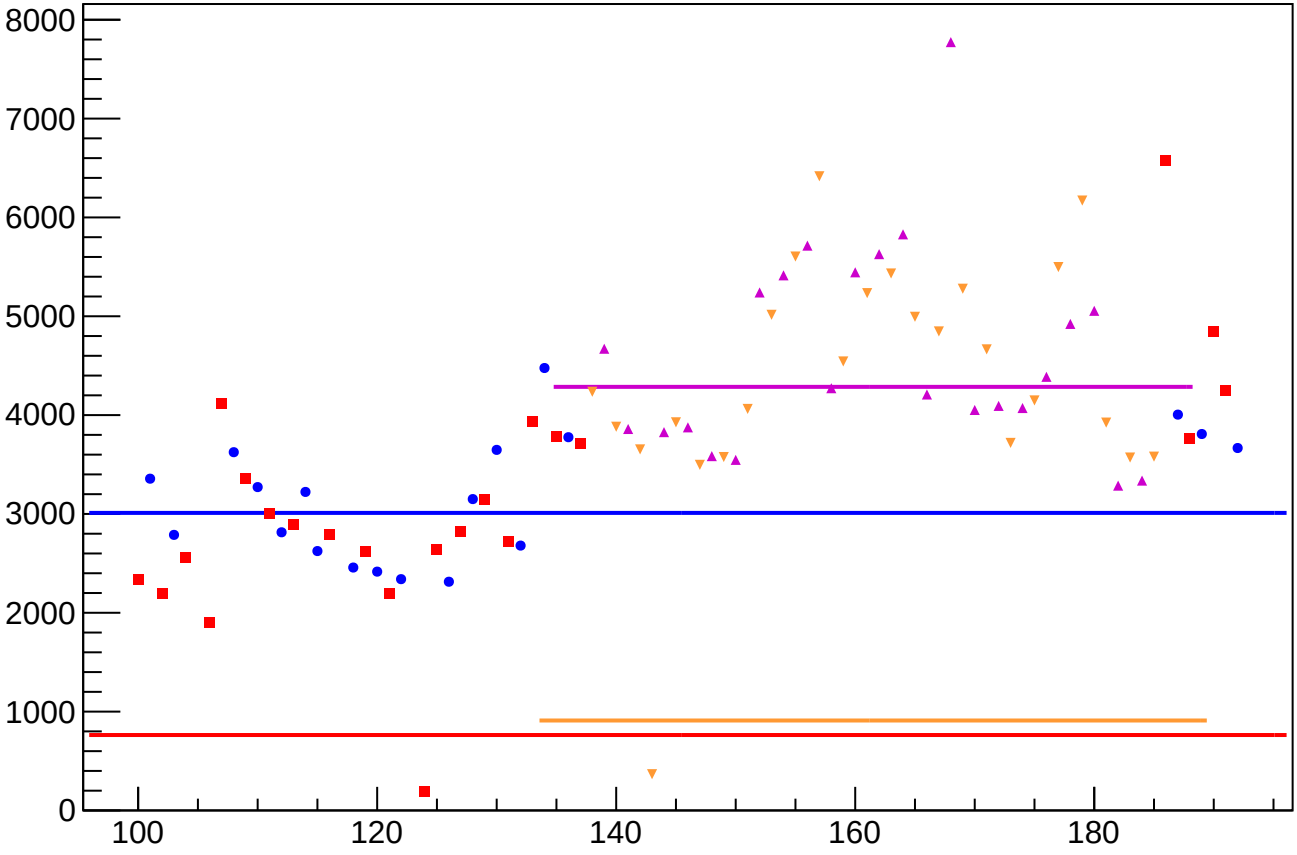
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 271.229+/-356.399 χ^2/NDF: 46.7/43

All: -30.233+/-270.172 χ^2/NDF: 93.5/89

- sign -437.524+/-414.259 χ^2/NDF: 45.1/45

asym_atr1l2_dd_reg_correction_rms vs Slug



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

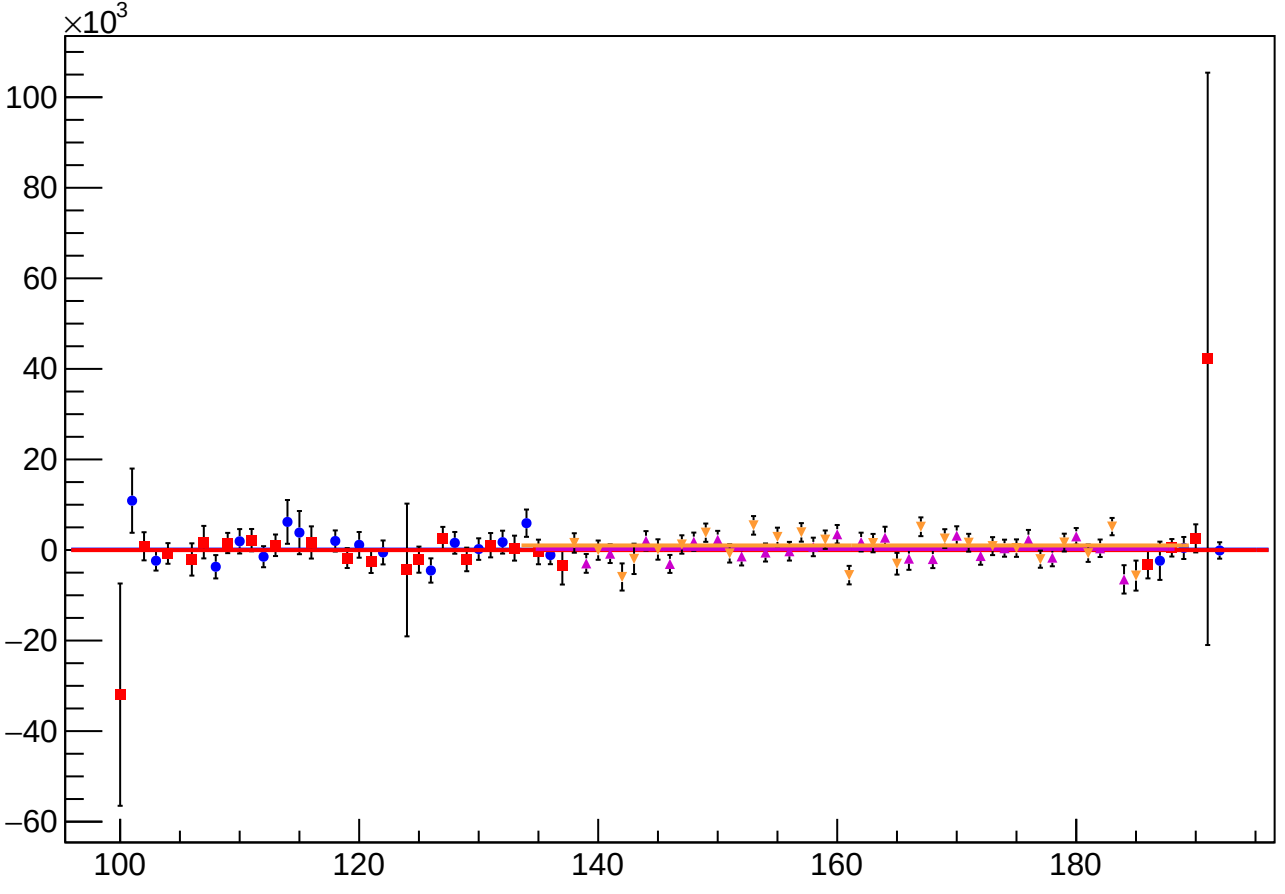
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1162.183+/-0.252 χ^2/NDF: 34739669.7/43

All: 1238.201+/-0.191 χ^2/NDF: 68926782.2/8

- sign 1340.904+/-0.293 χ^2/NDF: 33973194.5/45

cor_asym_atr1l2_dd_mean vs Slug



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

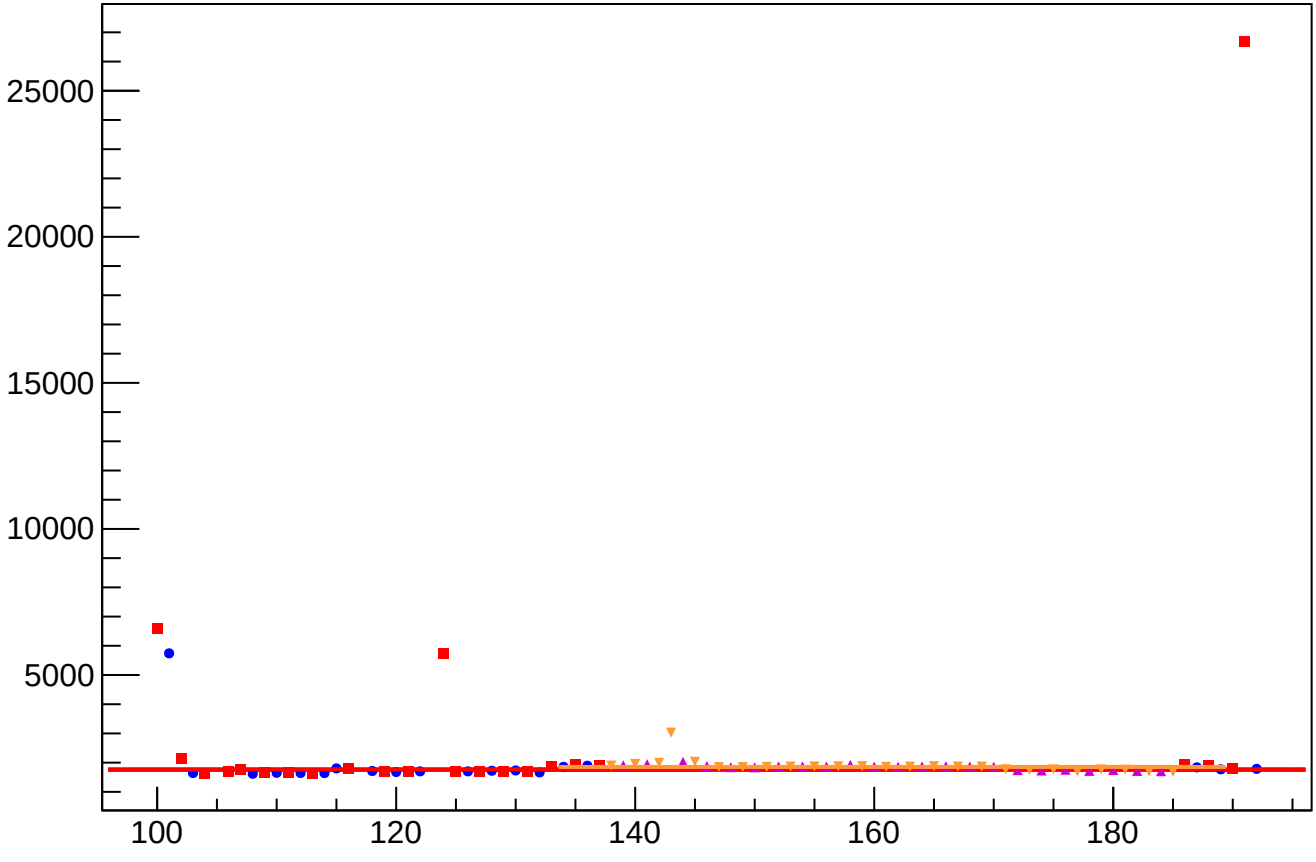
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 701.013+/-345.514 χ^2/NDF: 66.9/43

All: 424.140+/-245.423 χ^2/NDF: 106.0/89

- sign 142.187+/-348.670 χ^2/NDF: 37.8/45

cor_asym_atr1l2_dd_rms vs Slug



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

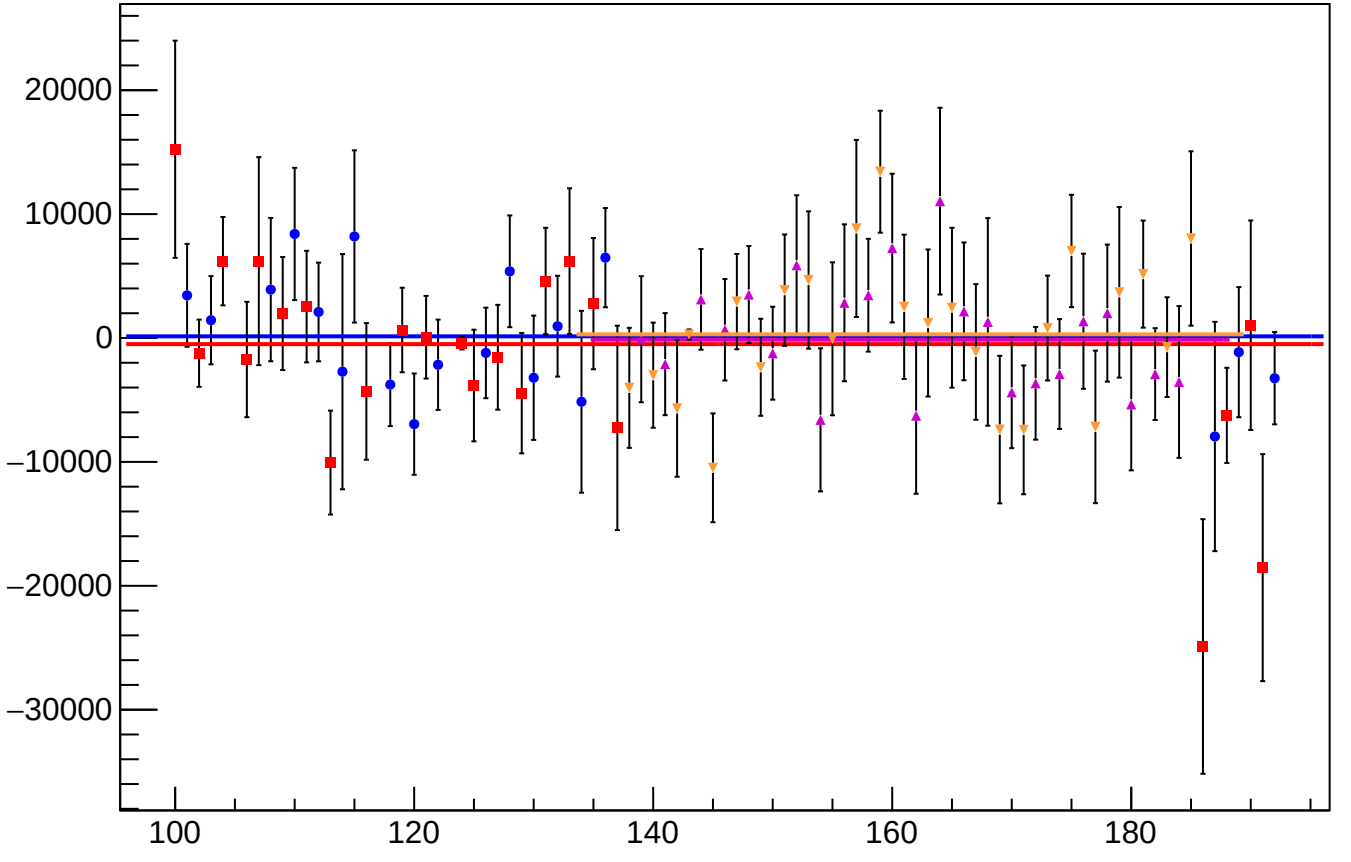
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1820.873+/-0.244 χ^2/NDF: 1026055.4/43

All: 1818.076+/-0.173 χ^2/NDF: 1741312.5/89

- sign 1815.233+/-0.246 χ^2/NDF: 714992.7/45

asym_atr1l2_dd_cor_correction_mean vs Slug



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

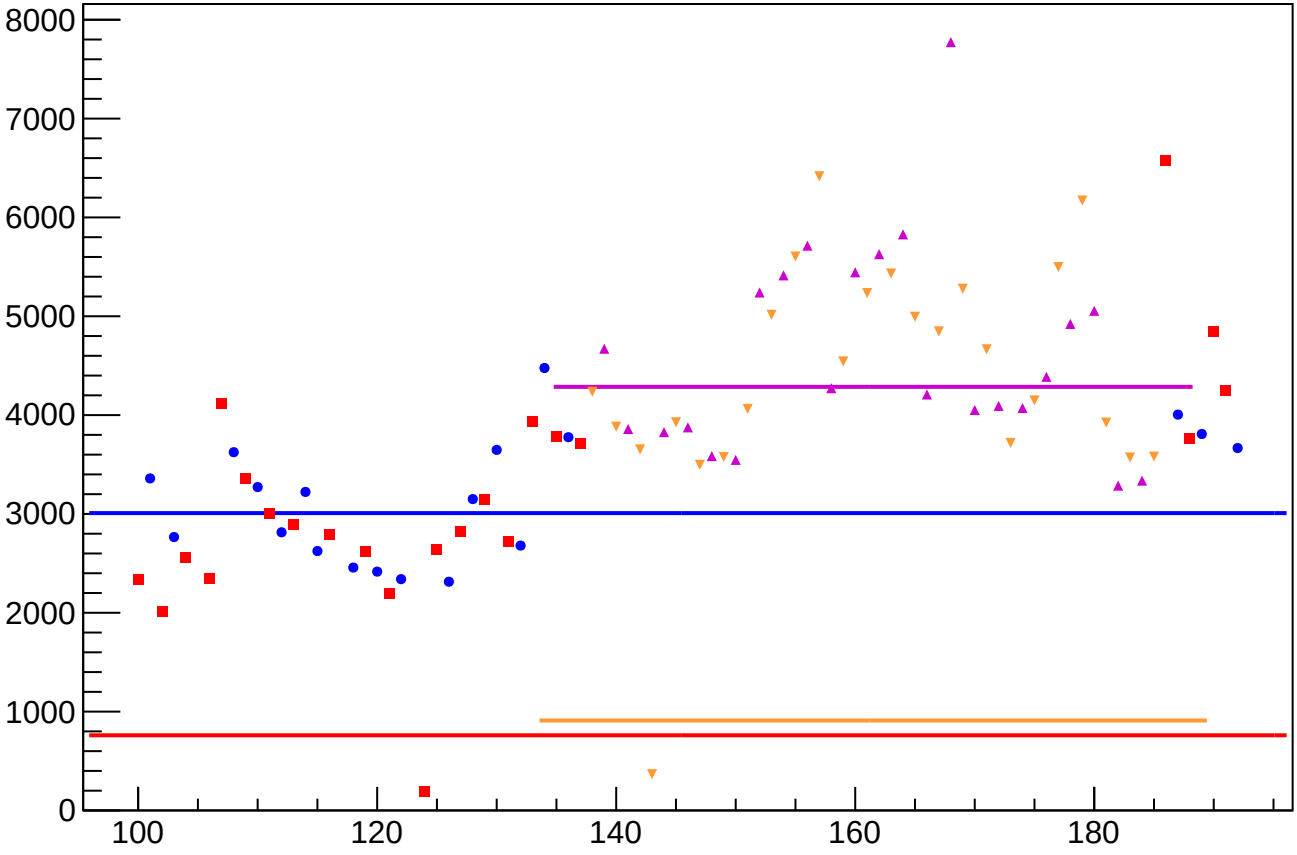
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 276.049+/-356.388 χ^2/NDF: 46.7/43

All: -26.254+/-270.355 χ^2/NDF: 93.4/89

- sign -436.041+/-414.935 χ^2/NDF: 44.9/45

asym_atr1l2_dd_cor_correction_rms vs Slug



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

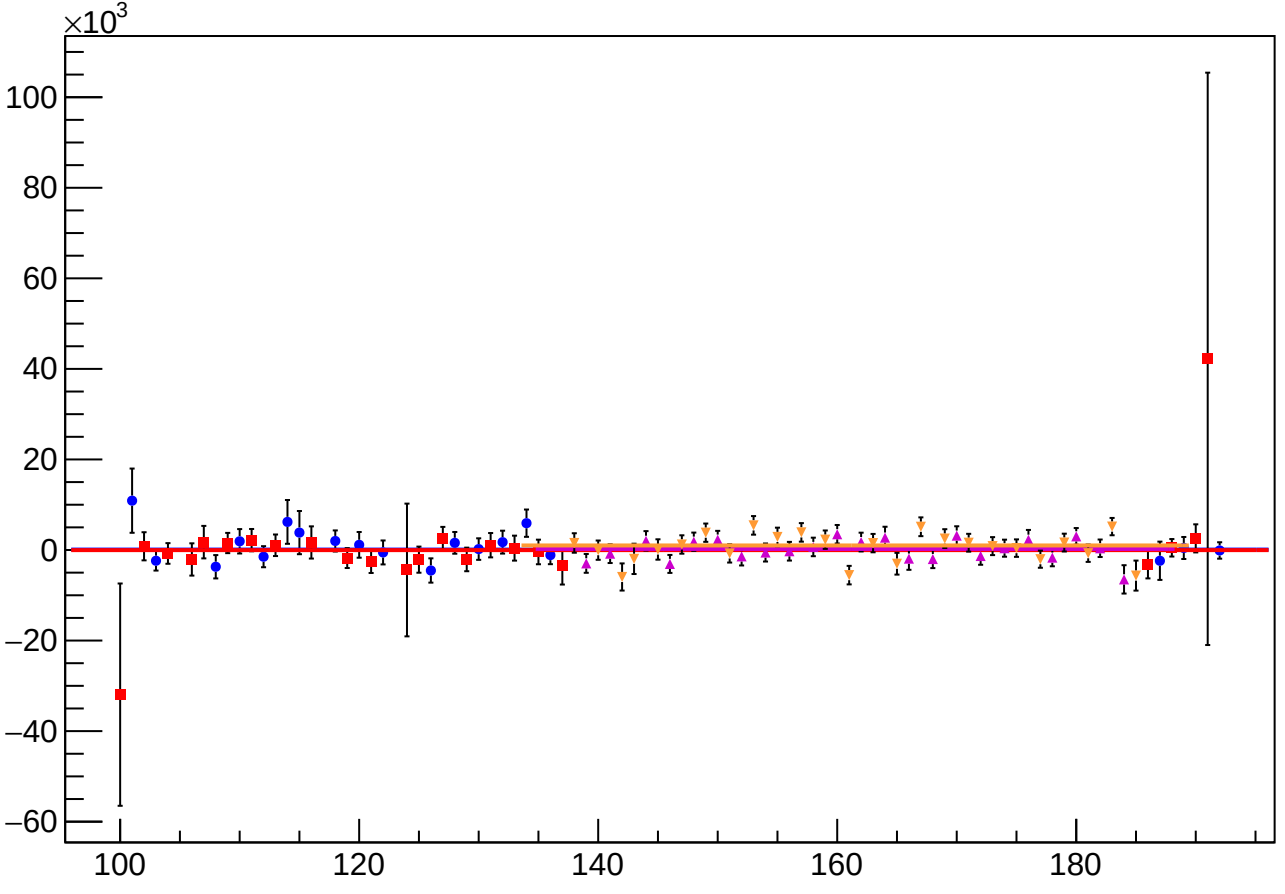
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

\+ sign 1162.435+/-0.252 χ^2/NDF: 34735503.1/43

All: 1238.043+/-0.191 χ^2/NDF: 68899501.4/8

\- sign 1340.533+/-0.293 χ^2/NDF: 33951962.2/45

eigen_cor_asym_atr1l2_dd_mean vs Slug



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

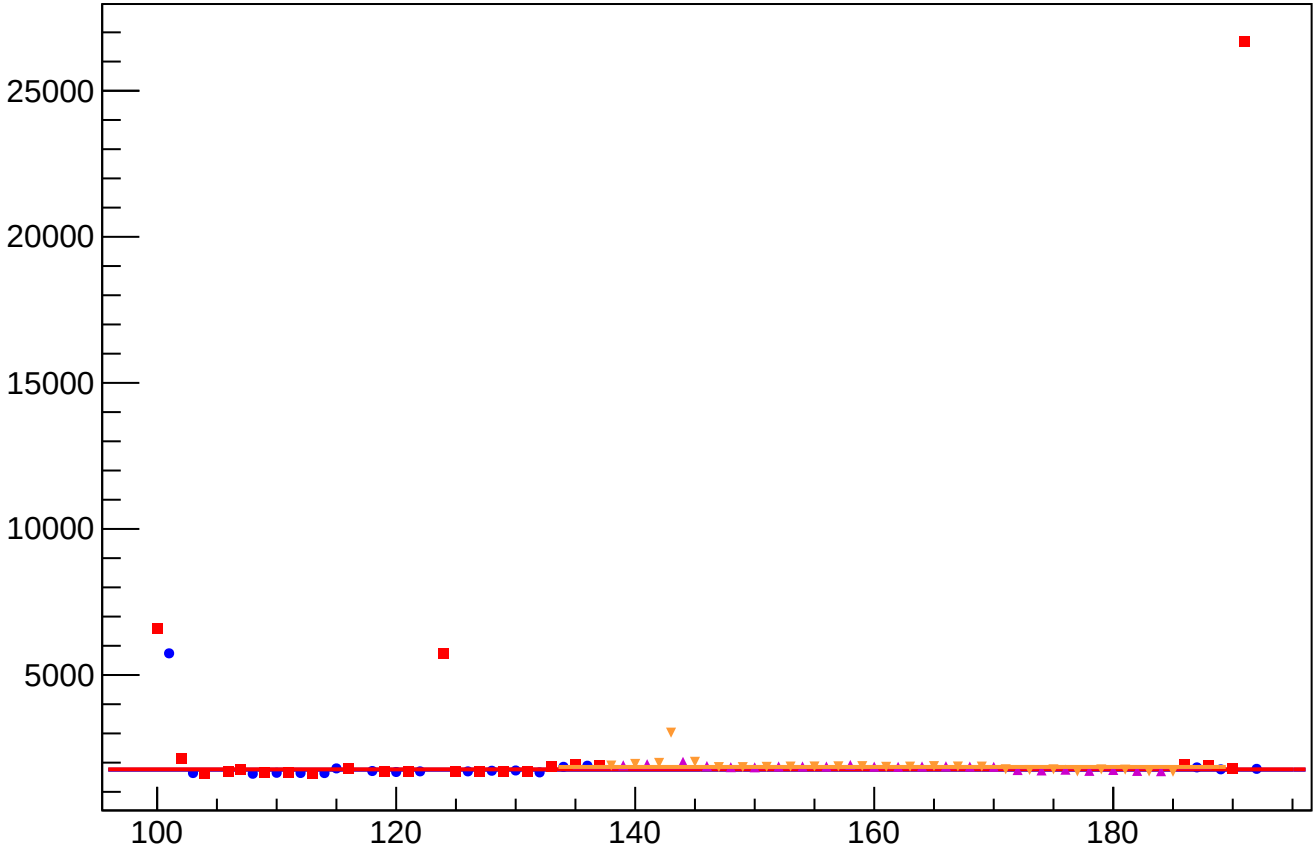
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 701.013+/-345.514 χ^2/NDF: 66.9/43

All: 424.140+/-245.423 χ^2/NDF: 106.0/89

- sign 142.187+/-348.670 χ^2/NDF: 37.8/45

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1757.023+/-0.424 χ^2/NDF: 671148.8/18

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

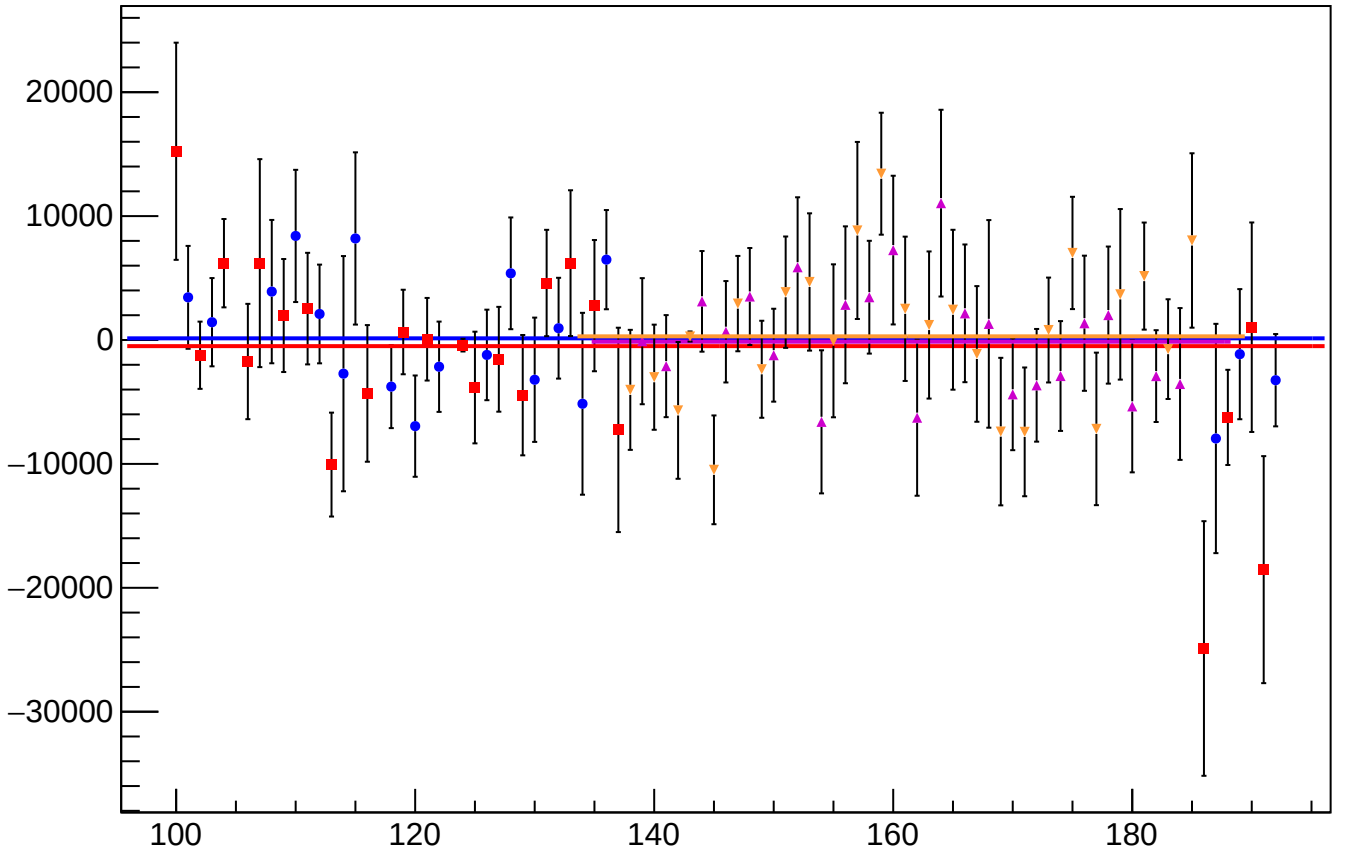
Right Out: 1770.608+/-0.421 χ^2/NDF: 629376.6/22

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1820.873+/-0.244 χ^2/NDF: 1026055.4/43

All: 1818.076+/-0.173 χ^2/NDF: 1741312.5/89

- sign 1815.233+/-0.246 χ^2/NDF: 714992.7/45



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

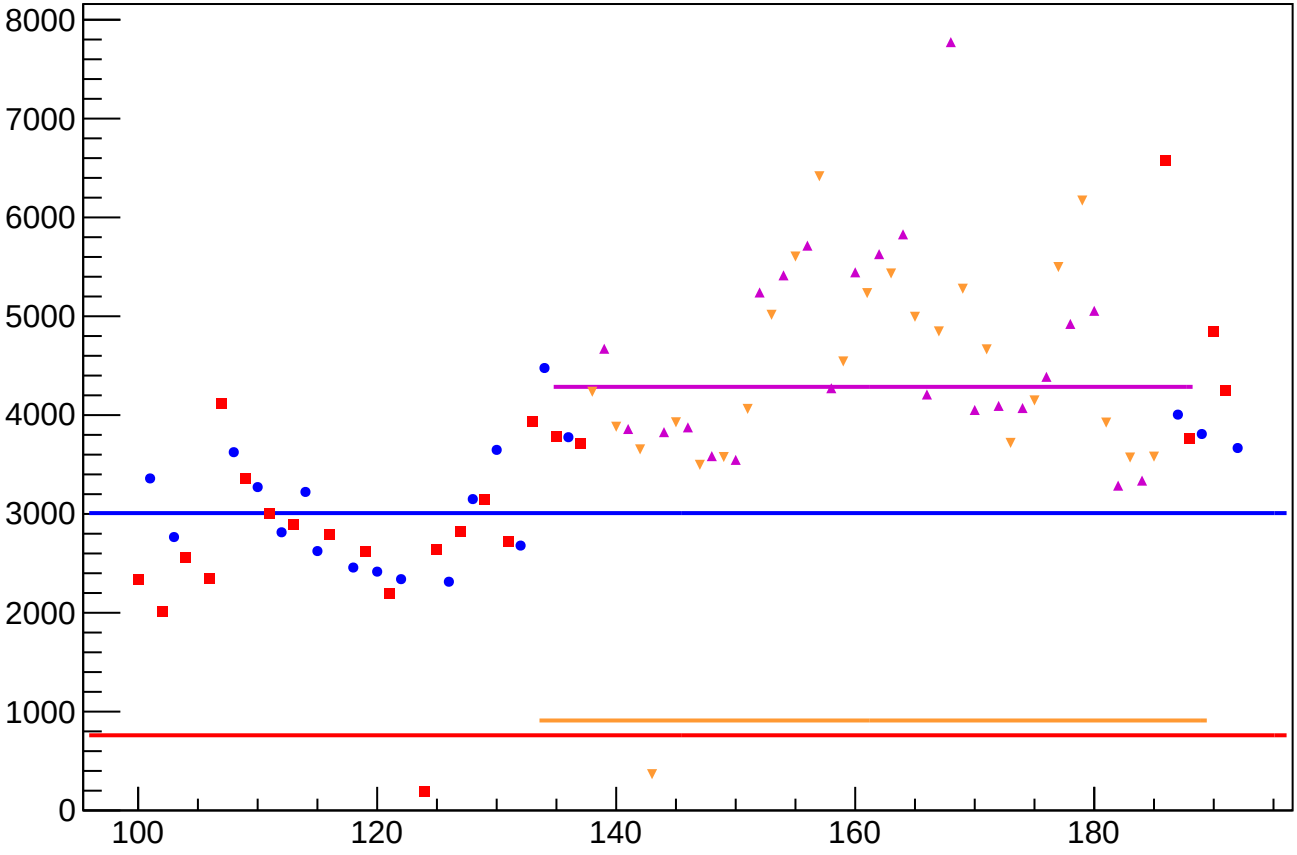
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 276.049+/-356.388 χ^2/NDF: 46.7/43

All: -26.254+/-270.355 χ^2/NDF: 93.4/89

- sign -436.041+/-414.935 χ^2/NDF: 44.9/45

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



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

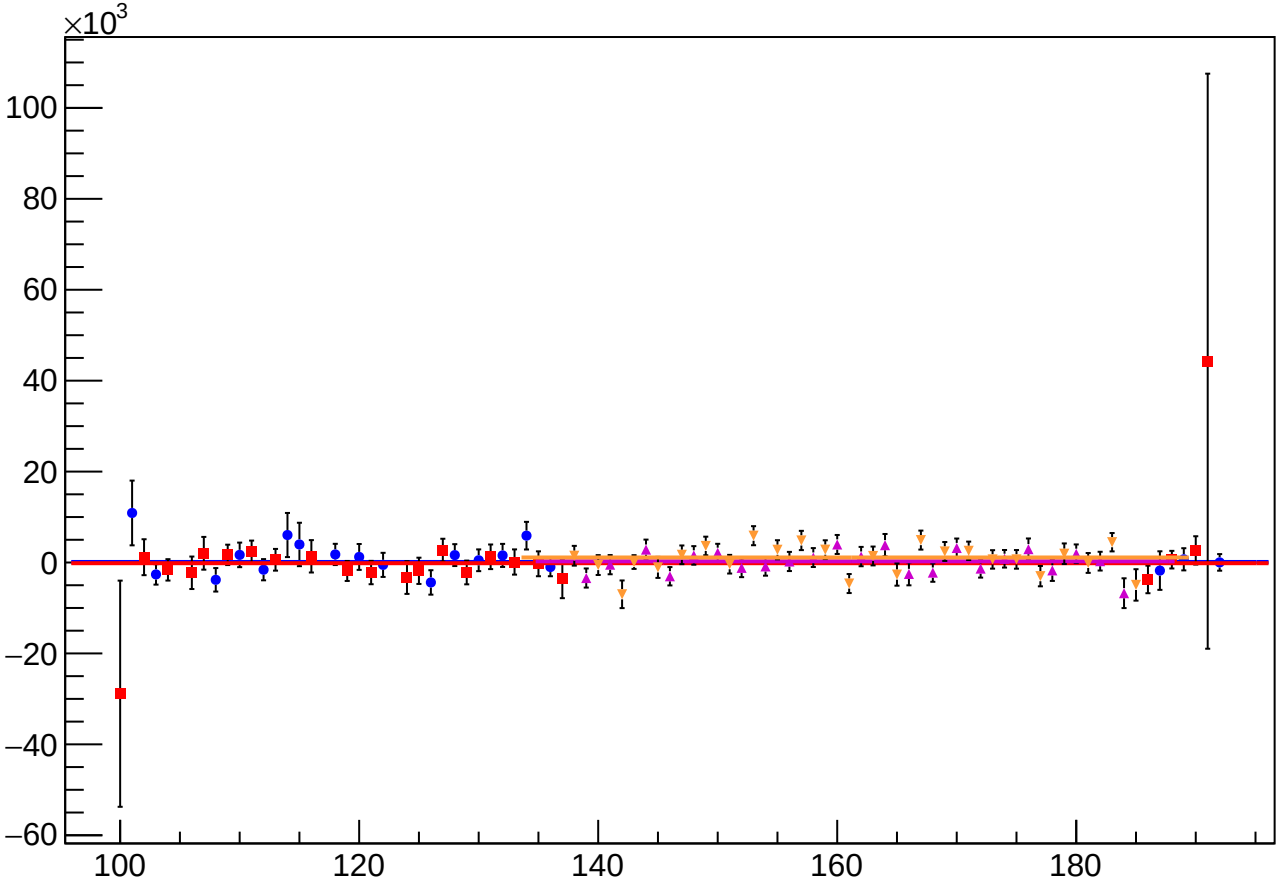
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1162.435+/-0.252 χ^2/NDF: 34735503.1/43

All: 1238.043+/-0.191 χ^2/NDF: 68899501.4/8

- sign 1340.533+/-0.293 χ^2/NDF: 33951962.2/45

dit_asym_atr1l2_dd_mean vs Slug



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

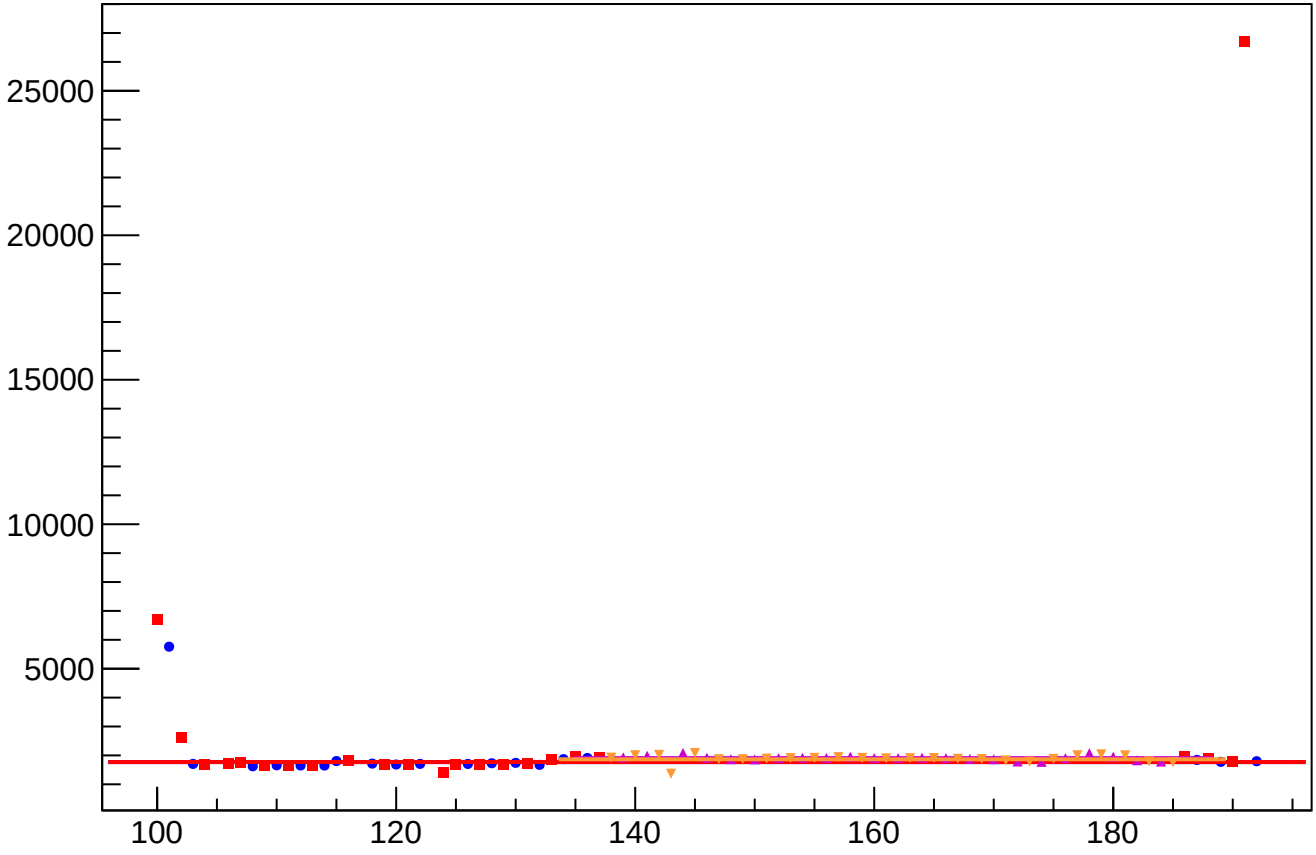
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 776.807+/-347.759 χ^2/NDF: 64.1/43

All: 454.290+/-249.036 χ^2/NDF: 106.4/89

- sign 114.795+/-356.794 χ^2/NDF: 40.6/45

dit_asym_atr1l2_dd_rms vs Slug



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

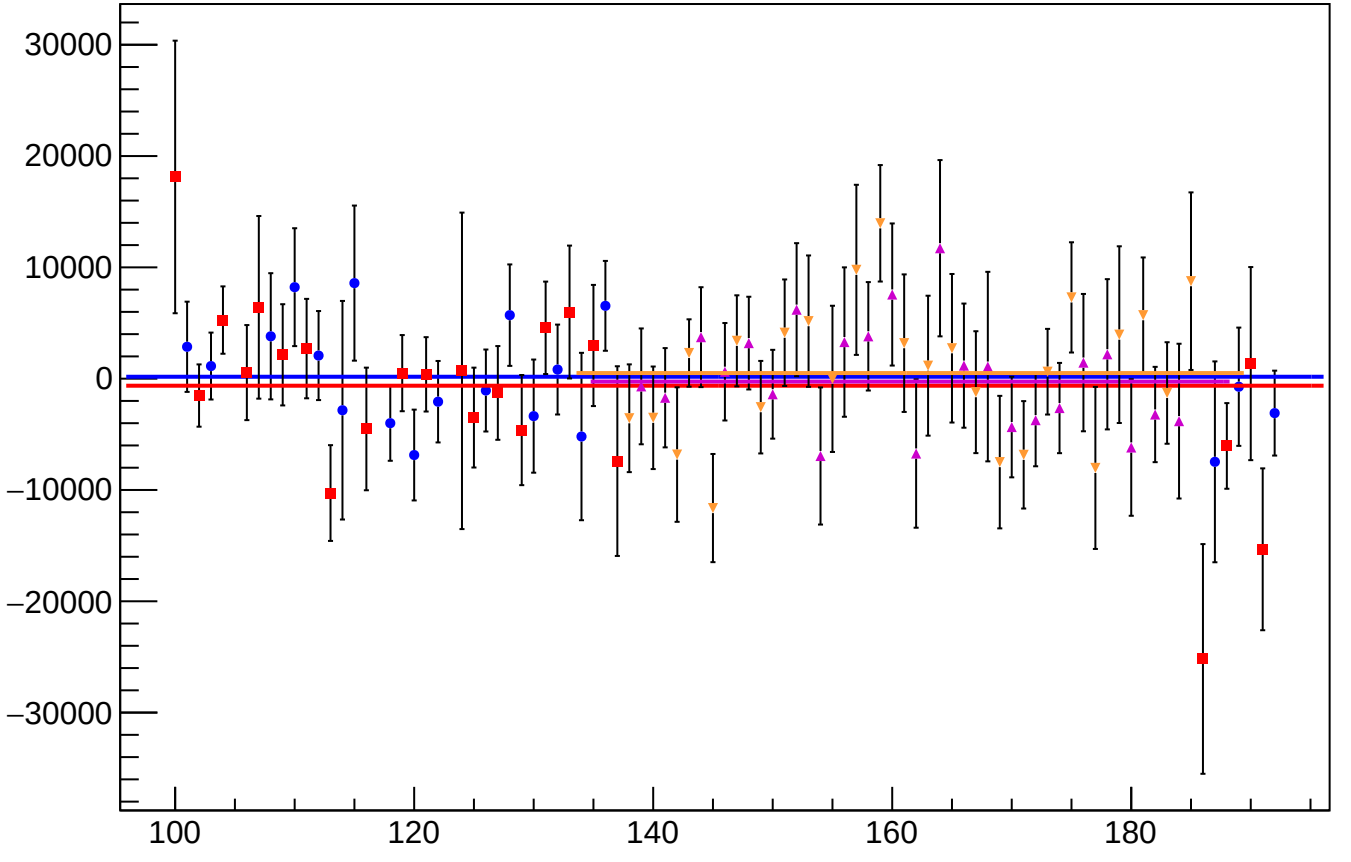
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1832.946+/-0.246 χ^2/NDF: 997724.7/43

All: 1844.629+/-0.176 χ^2/NDF: 1682048.8/89

- sign 1856.906+/-0.252 χ^2/NDF: 679694.9/45

asym_atr1l2_dd_dit_correction_mean vs Slug



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

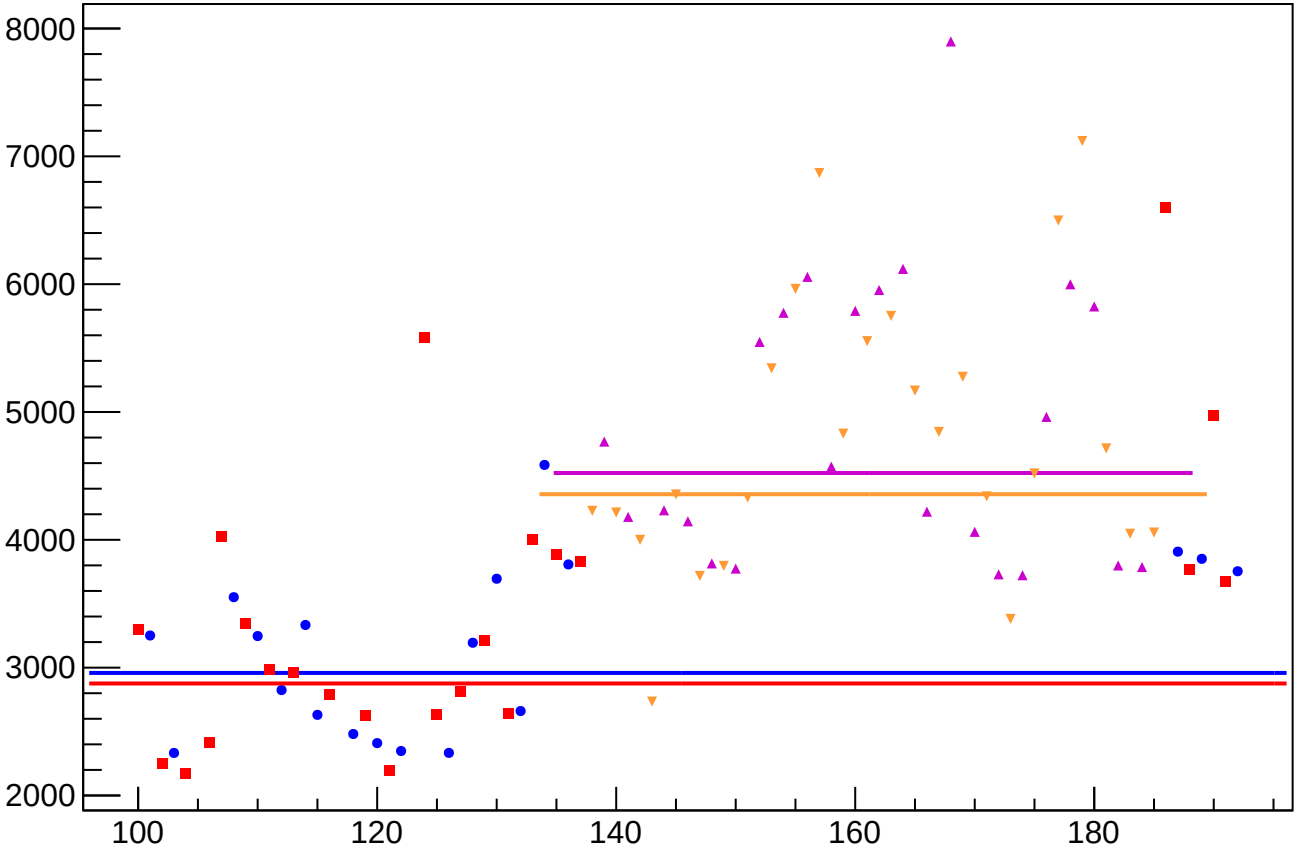
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 337.288+/-719.919 χ^2/NDF: 46.6/43

All: -64.637+/-509.451 χ^2/NDF: 91.3/89

- sign -467.801+/-721.028 χ^2/NDF: 44.1/45

asym_atr1l2_dd_dit_correction_rms vs Slug



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

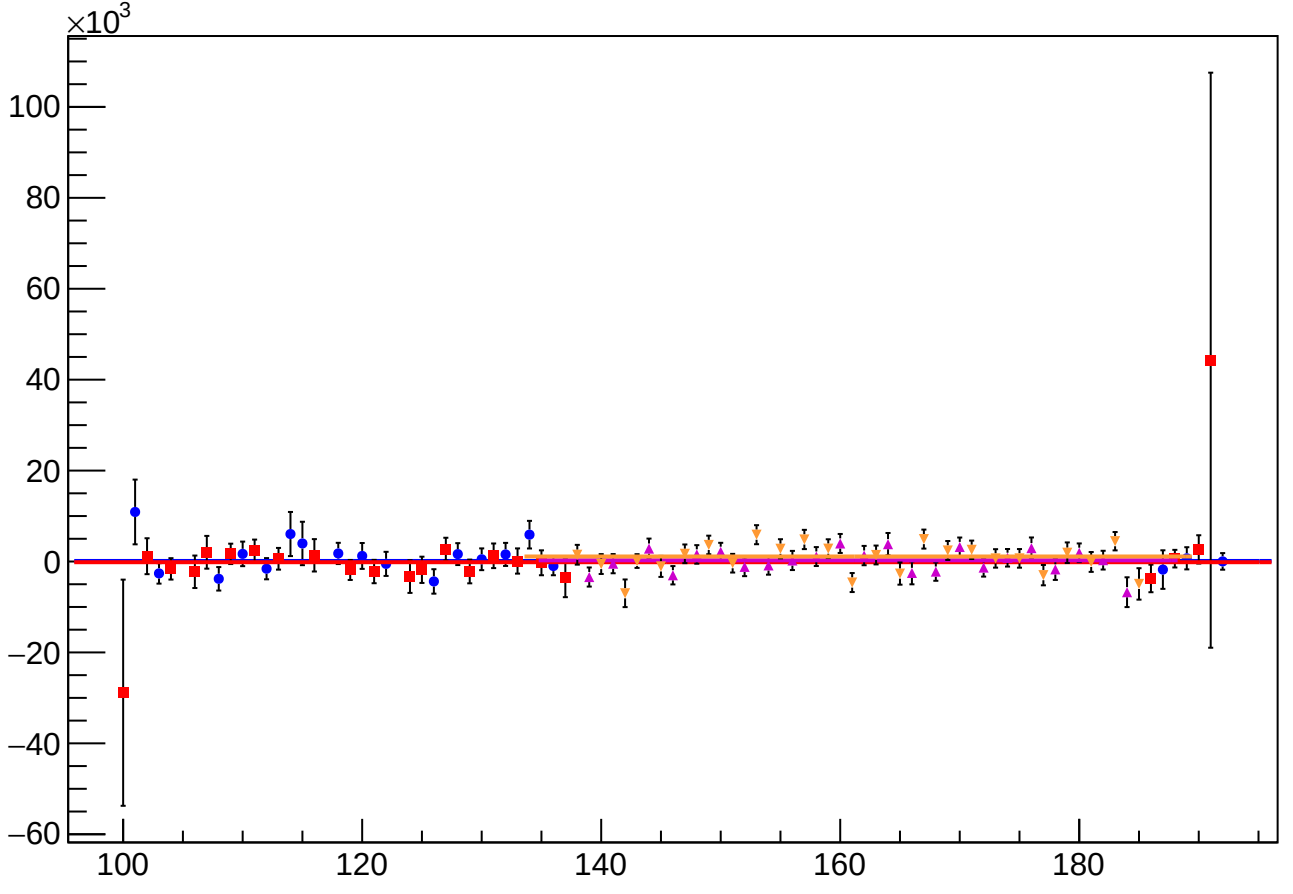
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3652.814+/-0.509 χ^2/NDF: 4527511.6/43

All: 3630.517+/-0.360 χ^2/NDF: 9701211.7/89

- sign 3608.151+/-0.510 χ^2/NDF: 5169857.2/45

eigen_dit_asym_atr1l2_dd_mean vs Slug



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

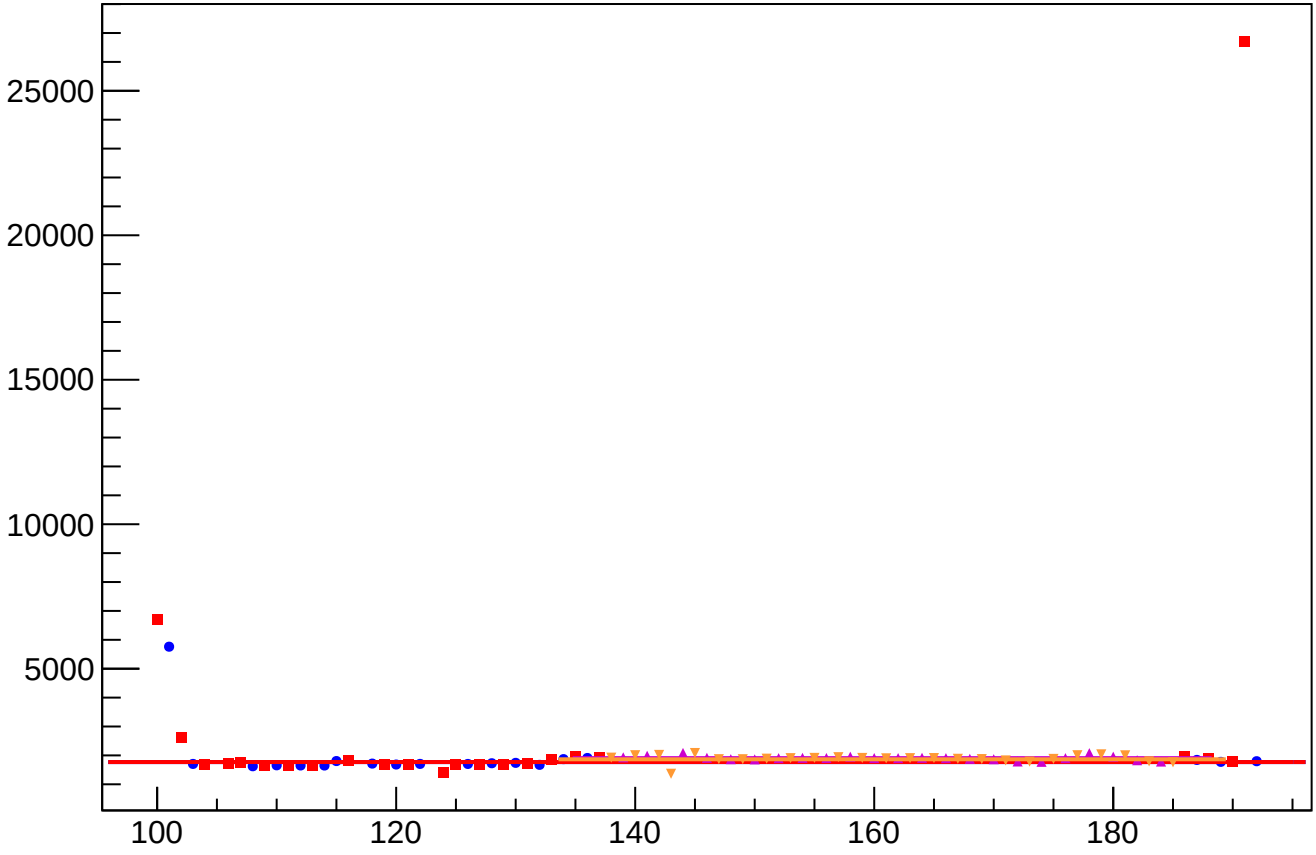
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 776.808+/-347.759 χ^2/NDF: 64.1/43

All: 454.291+/-249.036 χ^2/NDF: 106.4/89

- sign 114.796+/-356.794 χ^2/NDF: 40.6/45

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1768.618+/-0.427 χ^2/NDF: 669081.9/18

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

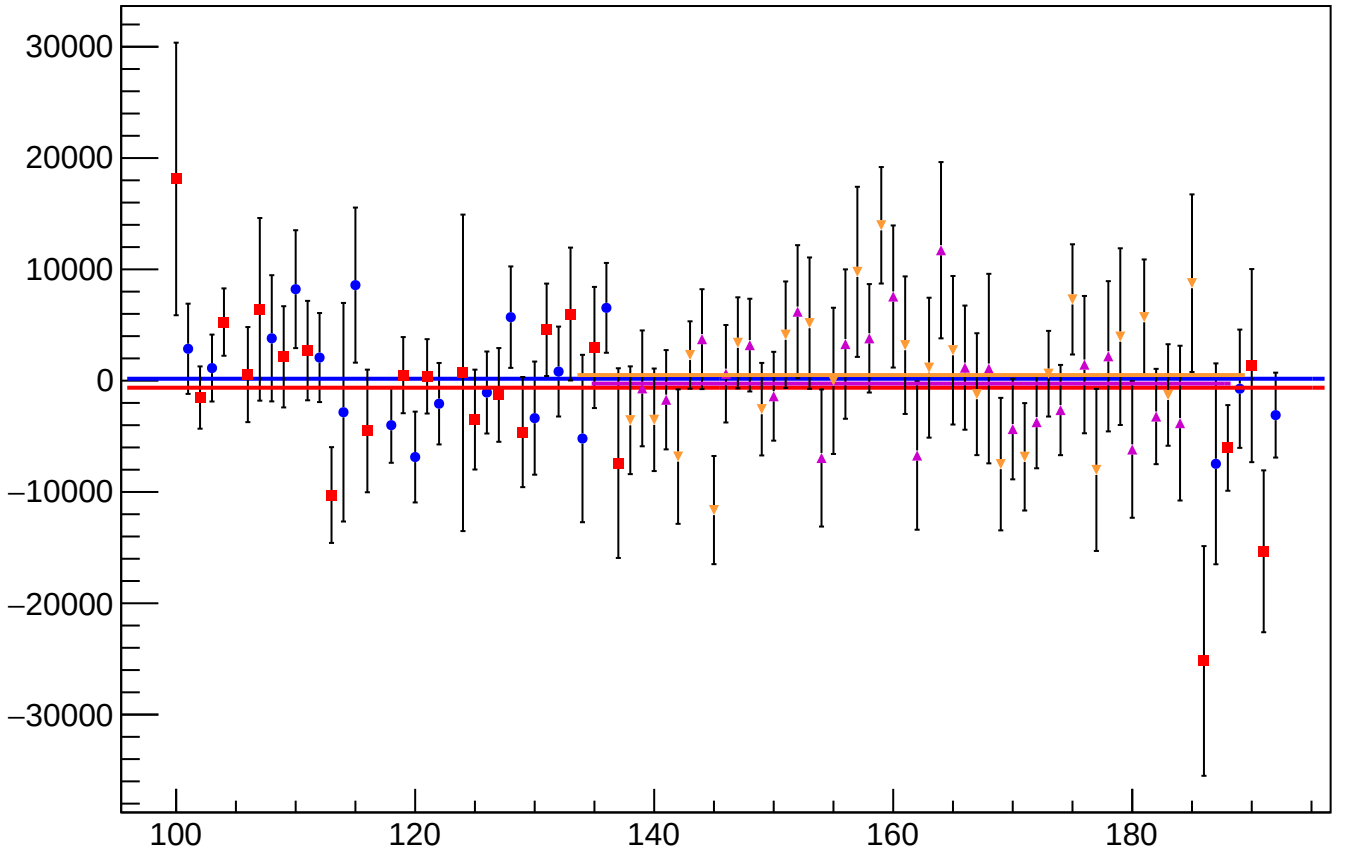
Right Out: 1770.012+/-0.421 χ^2/NDF: 560286.0/22

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1832.947+/-0.246 χ^2/NDF: 997728.7/43

All: 1844.630+/-0.176 χ^2/NDF: 1682056.1/89

- sign 1856.907+/-0.252 χ^2/NDF: 679698.2/45



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

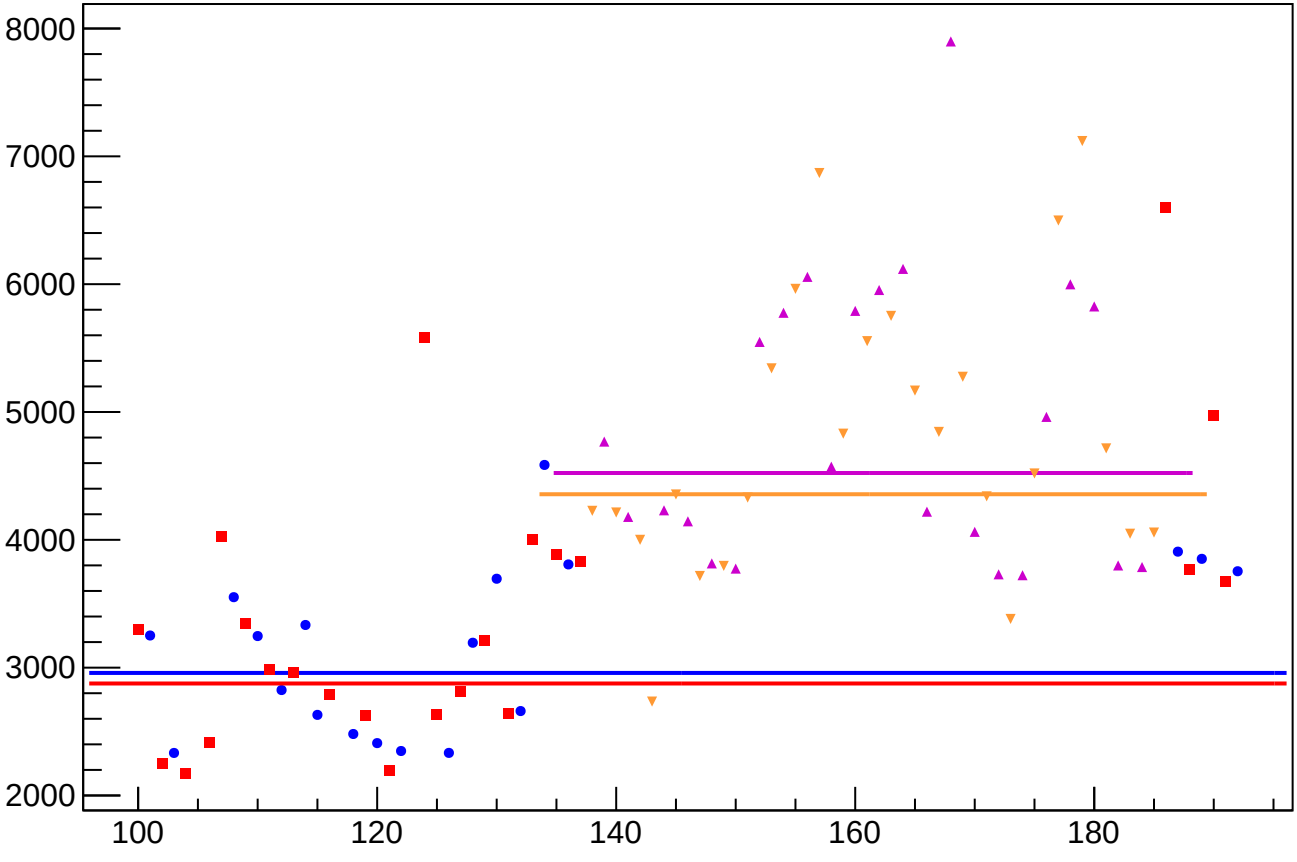
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 337.288+/-719.919 χ^2/NDF: 46.6/43

All: -64.636+/-509.451 χ^2/NDF: 91.3/89

- sign -467.799+/-721.027 χ^2/NDF: 44.1/45

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



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

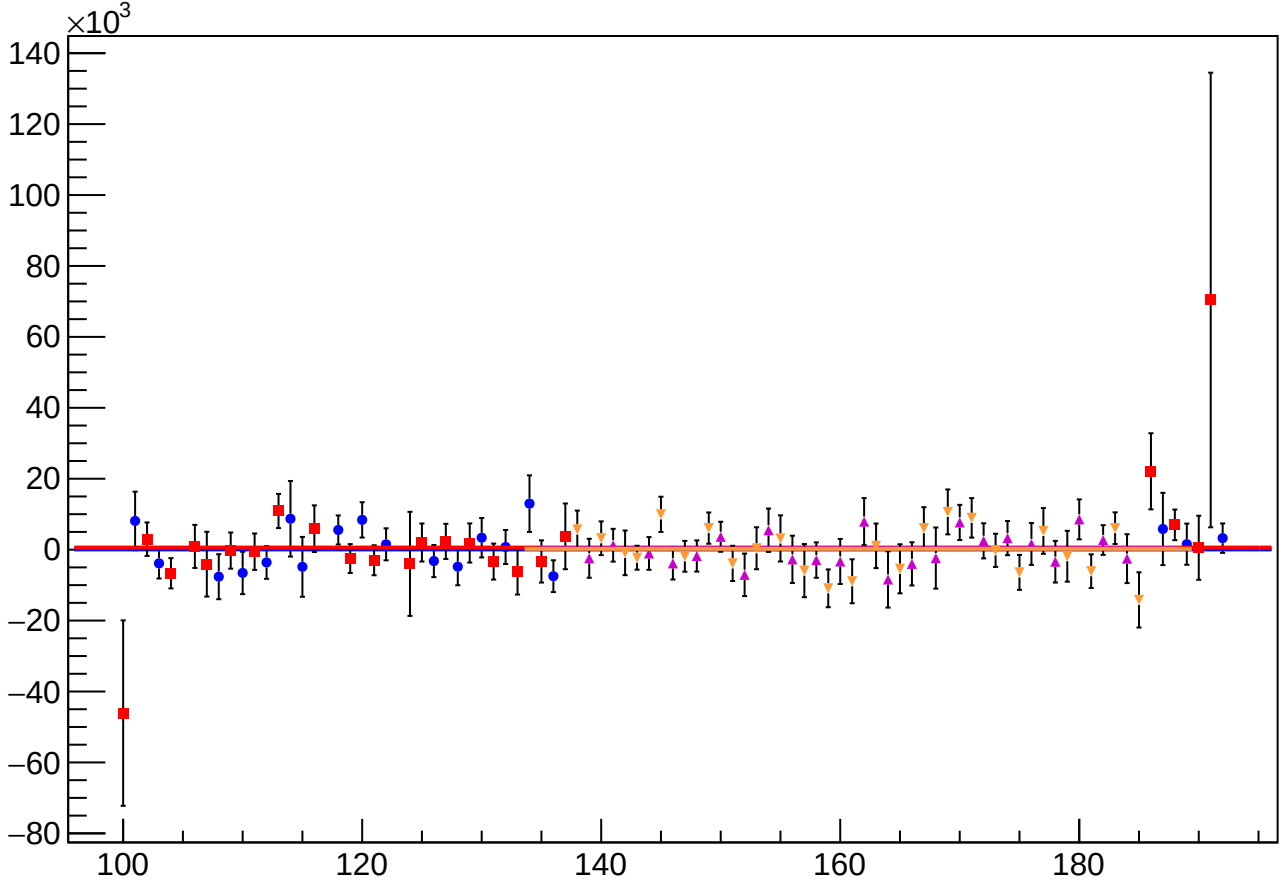
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3652.812+/-0.509 χ^2/NDF: 4527562.5/43

All: 3630.515+/-0.360 χ^2/NDF: 9701304.8/89

- sign 3608.149+/-0.510 χ^2/NDF: 5169899.3/45

asym_atr1l2_dd_mean vs Slug



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

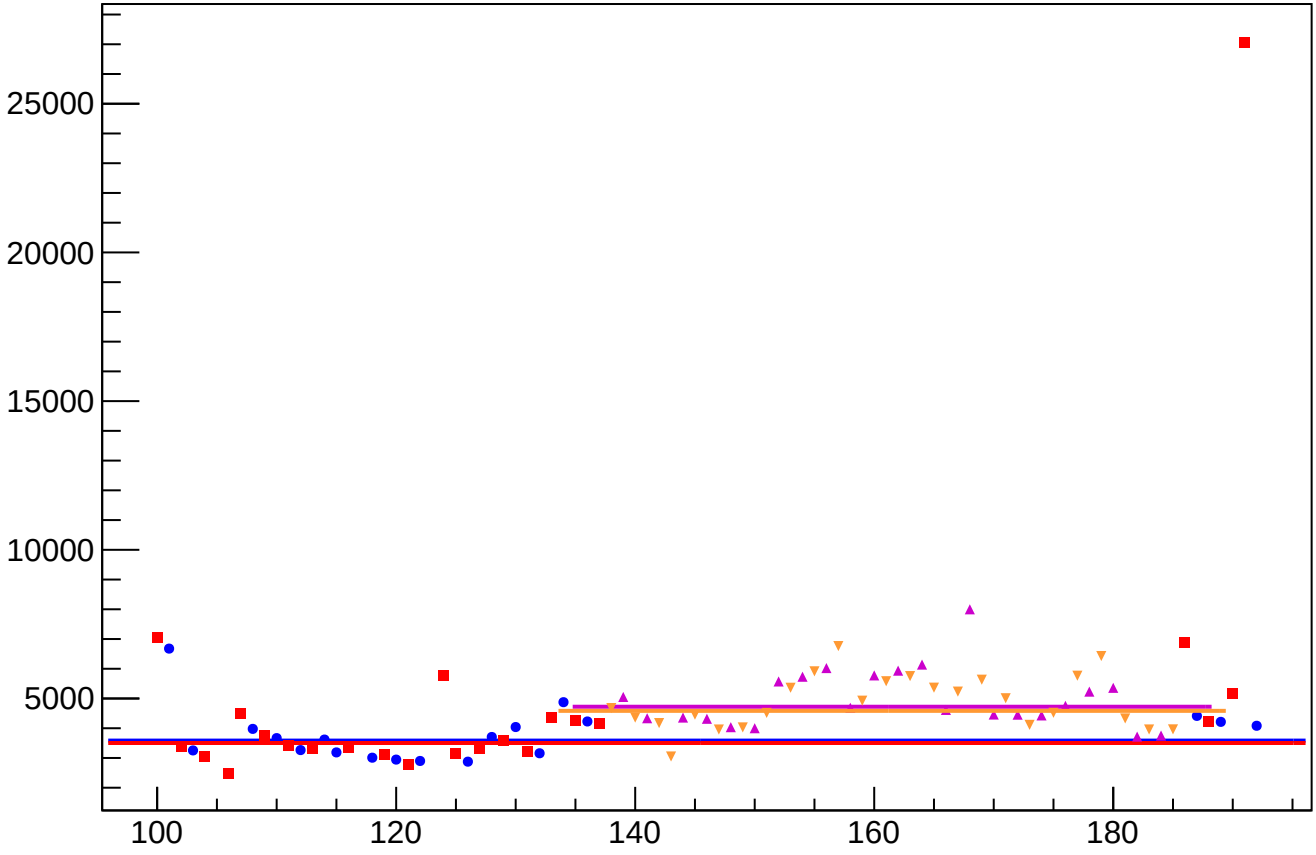
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign 169.486+/-803.894 χ^2/NDF: 51.2/43

All: 323.495+/-574.287 χ^2/NDF: 88.7/89

- sign 484.009+/-820.695 χ^2/NDF: 37.4/45

asym_atr1l2_dd_rms vs Slug



Right In: 3584.322+/-0.867 χ^2/NDF: 672532.9/18

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

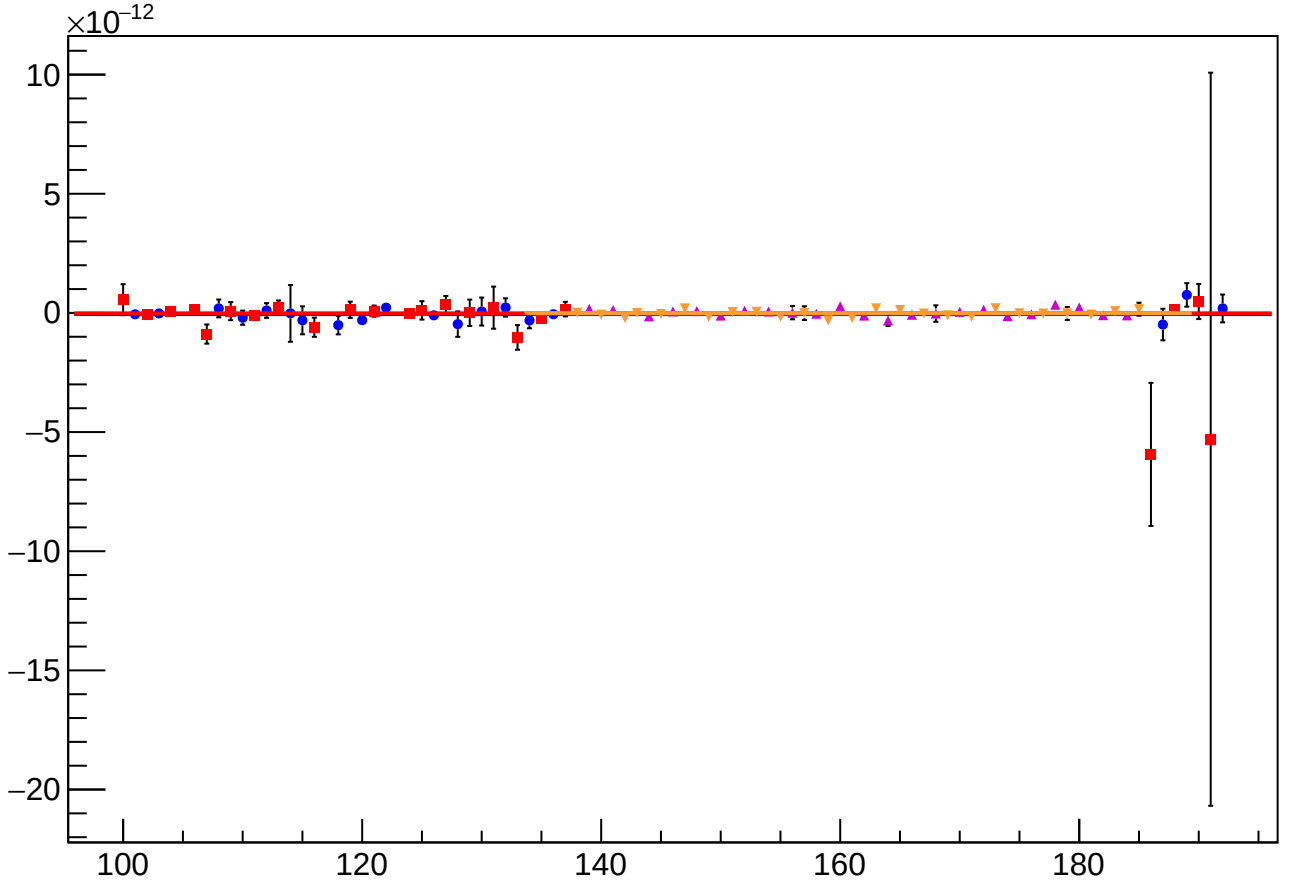
Right Out: 3504.031+/-0.841 χ^2/NDF: 1000126.4/22

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4154.662+/-0.568 χ^2/NDF: 2743247.2/43

All: 4152.072+/-0.405 χ^2/NDF: 5872228.2/89

- sign 4149.404+/-0.577 χ^2/NDF: 3128938.9/45



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

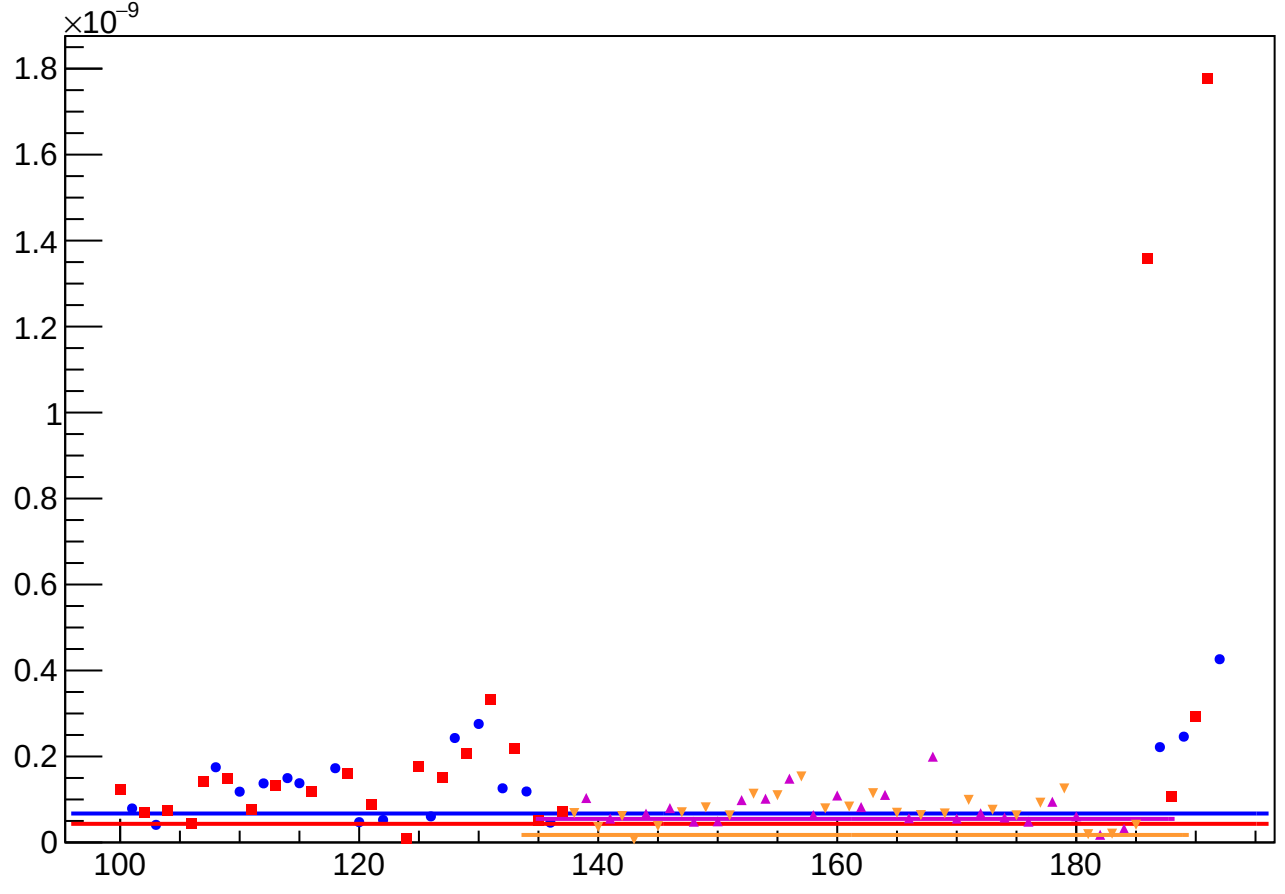
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.3/43

All: -0.000+/-0.000 χ^2/NDF: 85.1/89

- sign -0.000+/-0.000 χ^2/NDF: 49.7/45

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



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

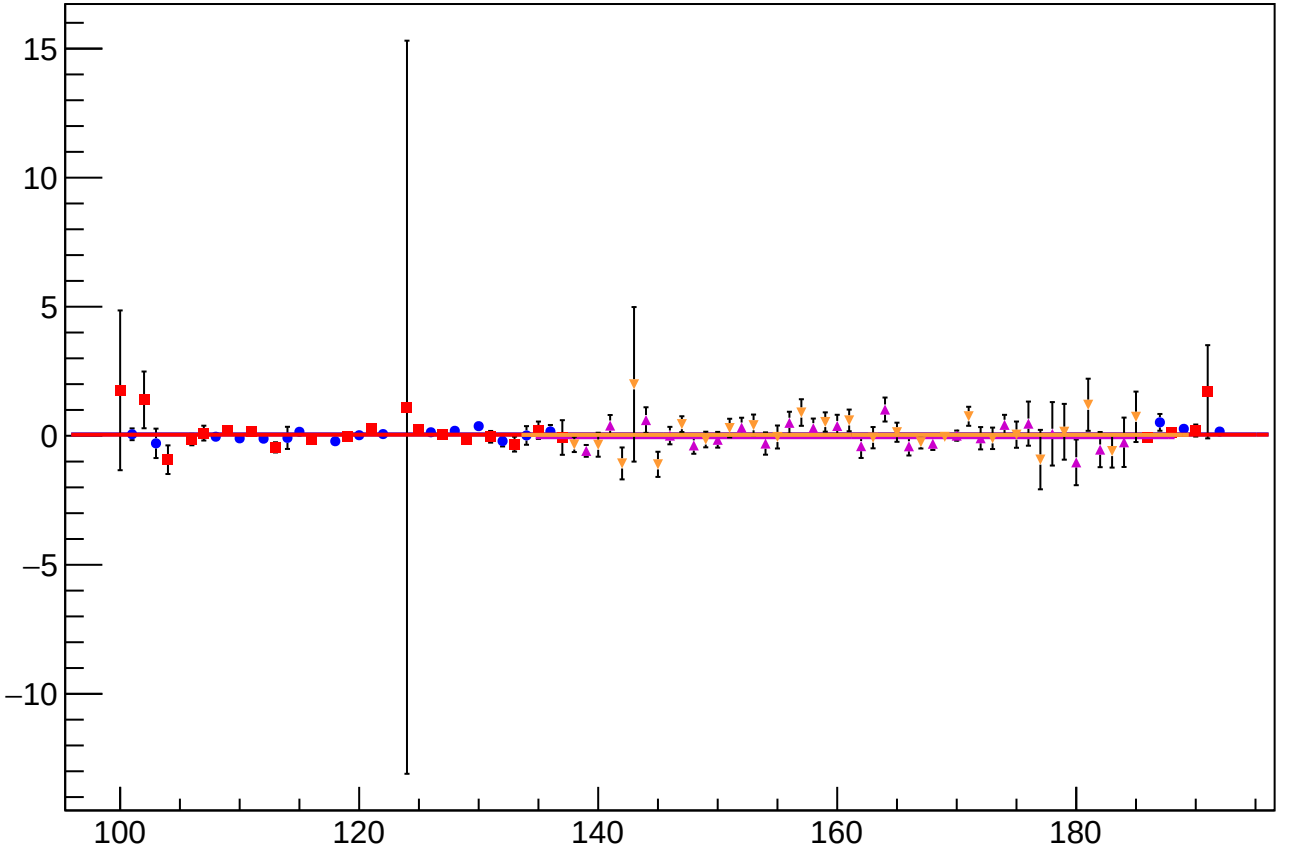
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 13846855.6/43

All: 0.000+/-0.000 χ^2/NDF: 24467268.5/89

- sign 0.000+/-0.000 χ^2/NDF: 6952752.9/45

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



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

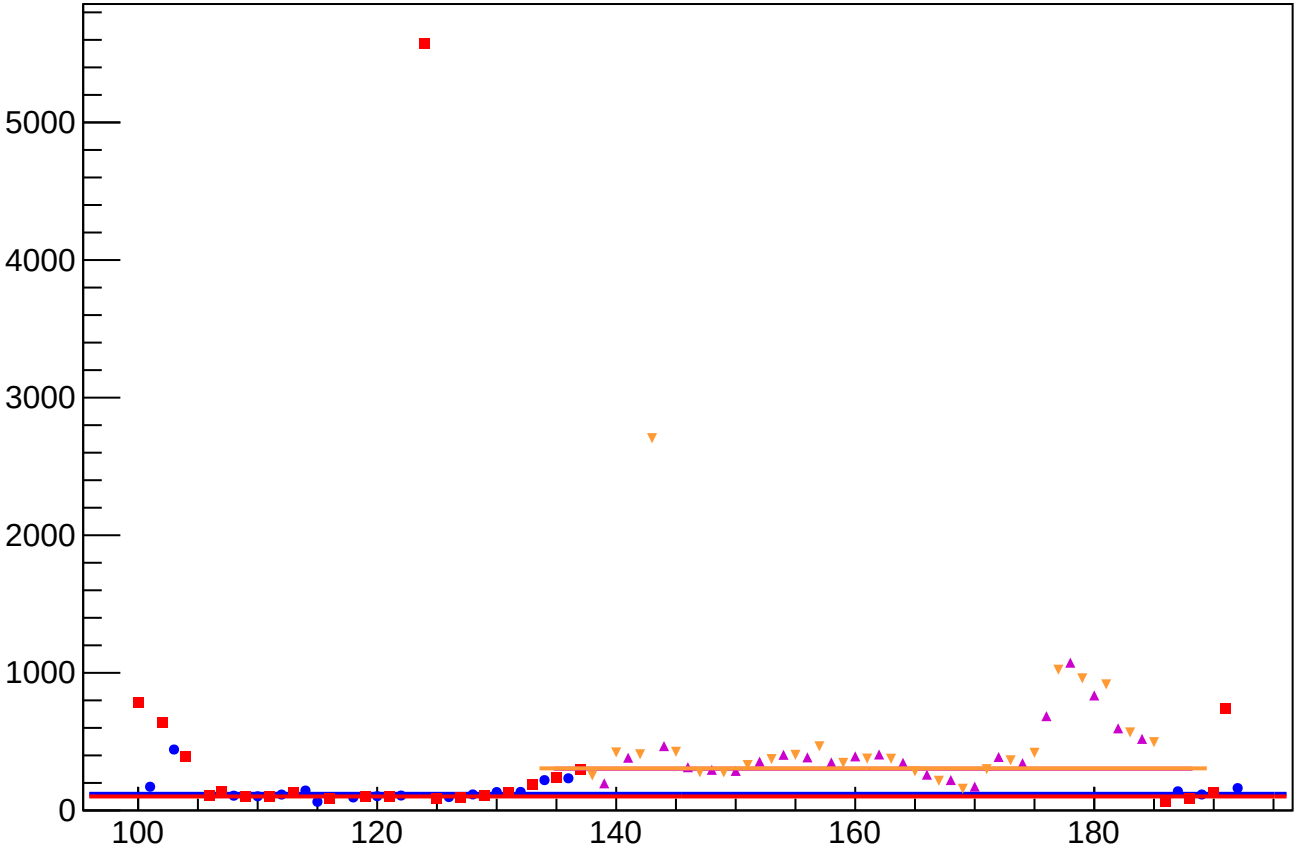
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.048+/-0.038 χ^2/NDF: 47.1/43

All: 0.034+/-0.026 χ^2/NDF: 99.9/89

- sign 0.022+/-0.034 χ^2/NDF: 52.5/45

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



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

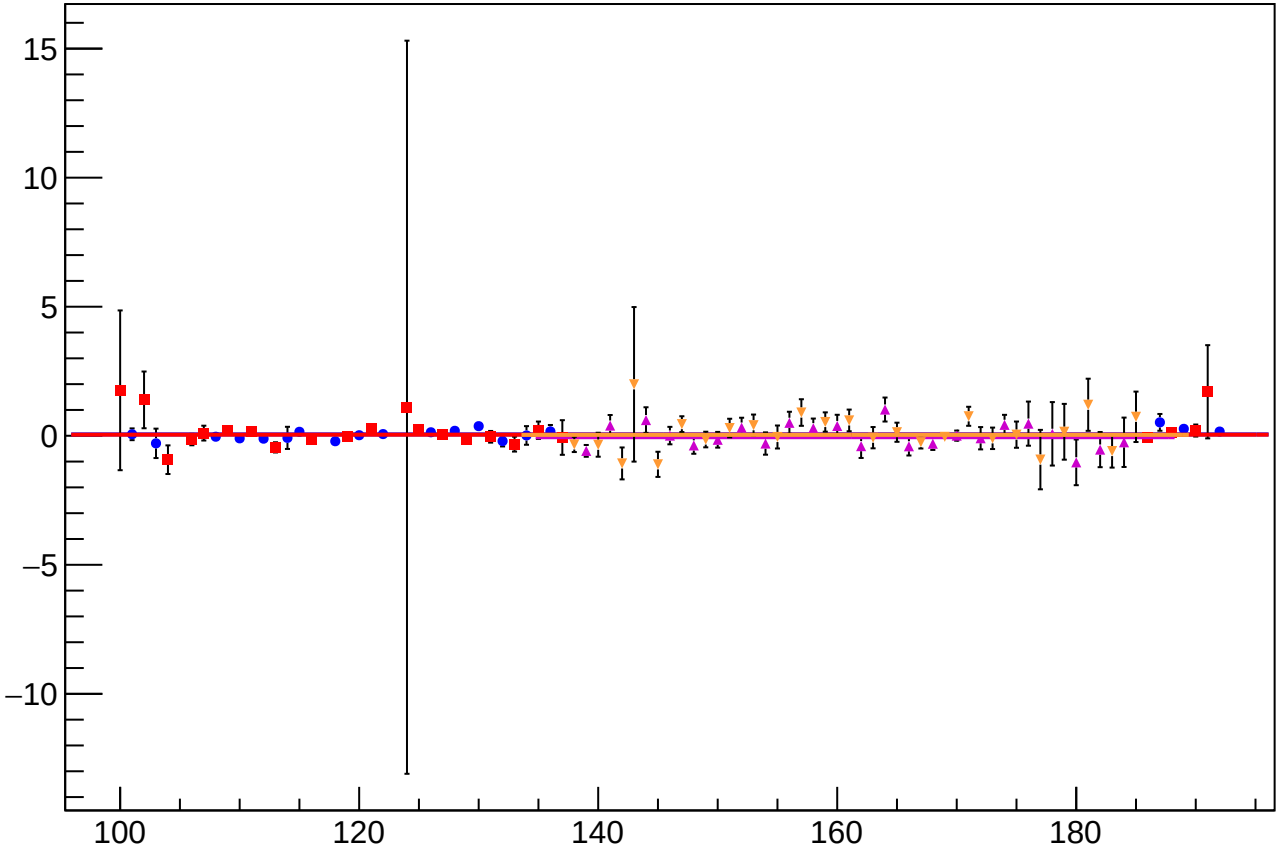
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.606+/-0.027 χ^2/NDF: 17044509.2/43

All: 152.403+/-0.018 χ^2/NDF: 36071240.1/89

- sign 141.741+/-0.024 χ^2/NDF: 18597394.8/45

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



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

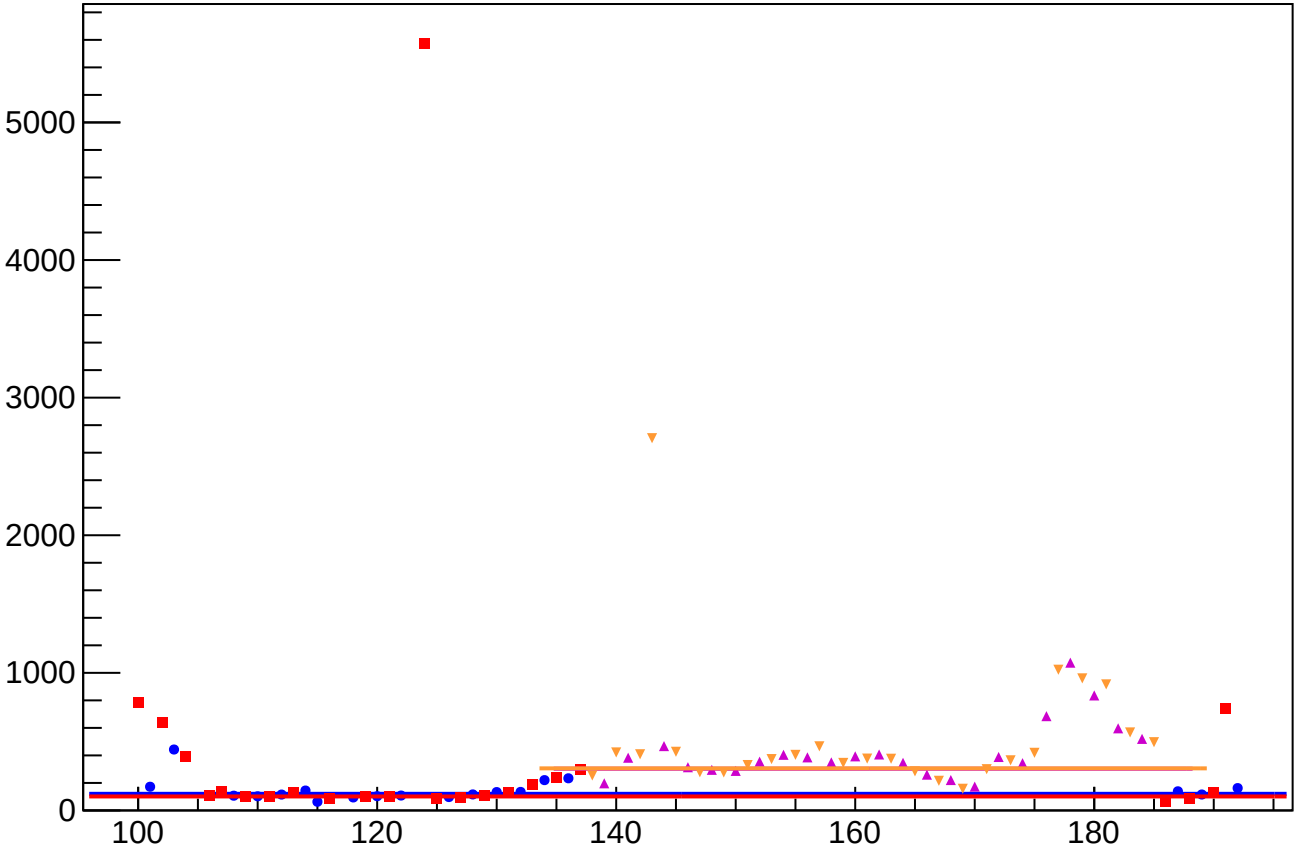
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.048+/-0.038 χ^2/NDF: 47.1/43

All: 0.034+/-0.026 χ^2/NDF: 99.9/89

- sign 0.022+/-0.034 χ^2/NDF: 52.5/45

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 120.884+/-0.031 χ^2/NDF: 1857694.5/18

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

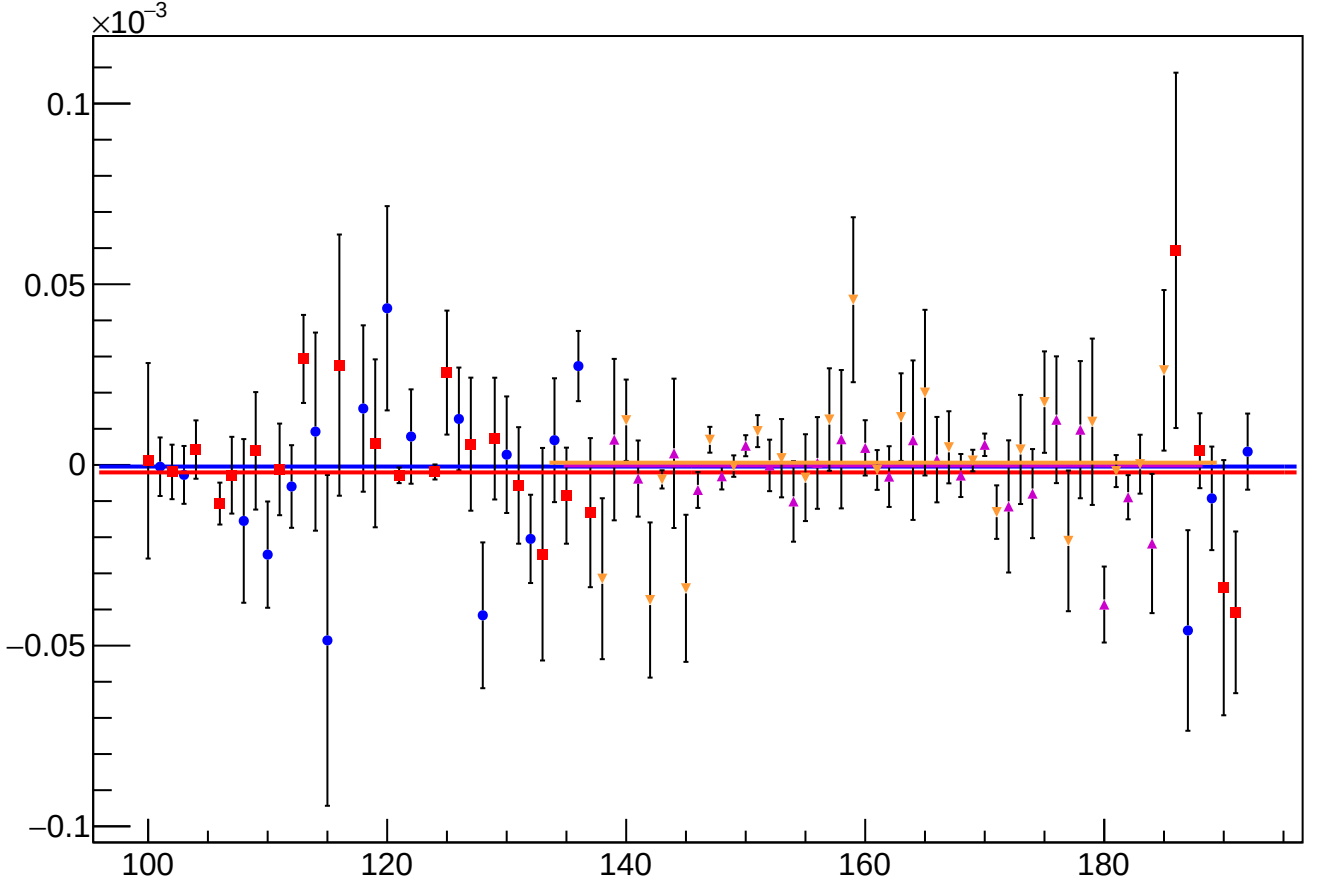
Right Out: 101.778+/-0.027 χ^2/NDF: 2890869.8/22

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.606+/-0.027 χ^2/NDF: 17044509.2/43

All: 152.403+/-0.018 χ^2/NDF: 36071240.1/89

- sign 141.741+/-0.024 χ^2/NDF: 18597394.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

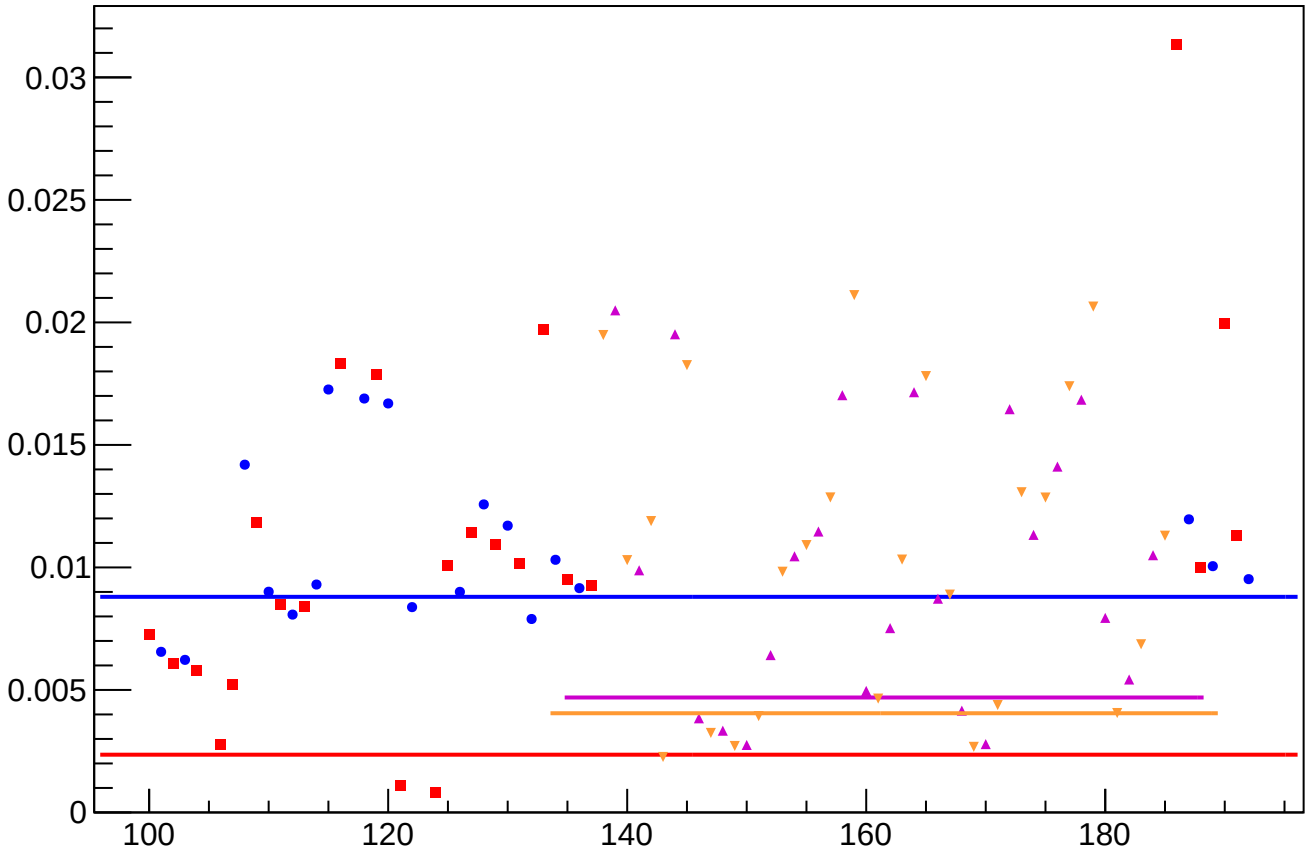
Right Out: -0.000+/-0.000 χ^2/NDF: 20.5/22

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.1/43

All: -0.000+/-0.000 χ^2/NDF: 114.7/89

- sign -0.000+/-0.000 χ^2/NDF: 51.3/45



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

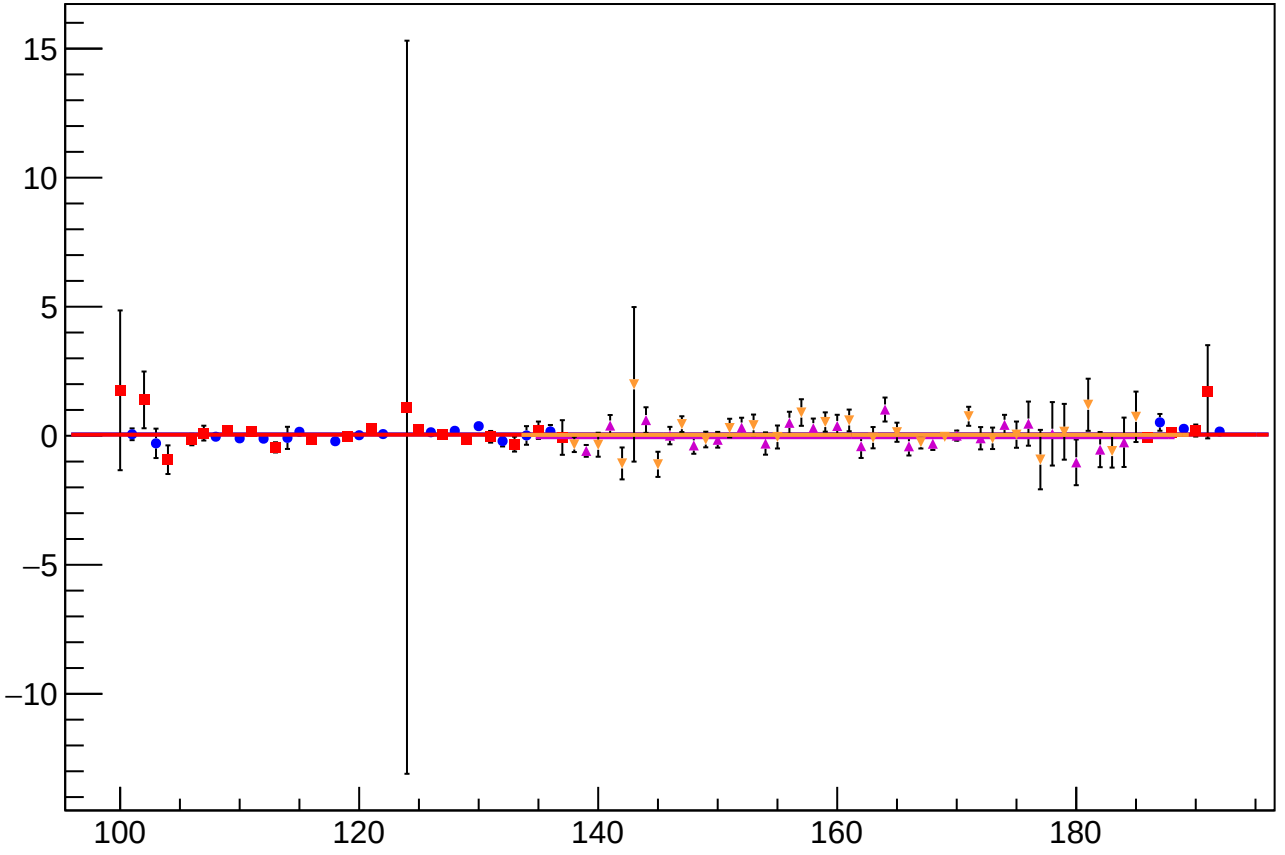
Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 18779580.0/43

All: 0.004+/-0.000 χ^2/NDF: 45641302.4/89

- sign 0.003+/-0.000 χ^2/NDF: 25534401.4/45

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

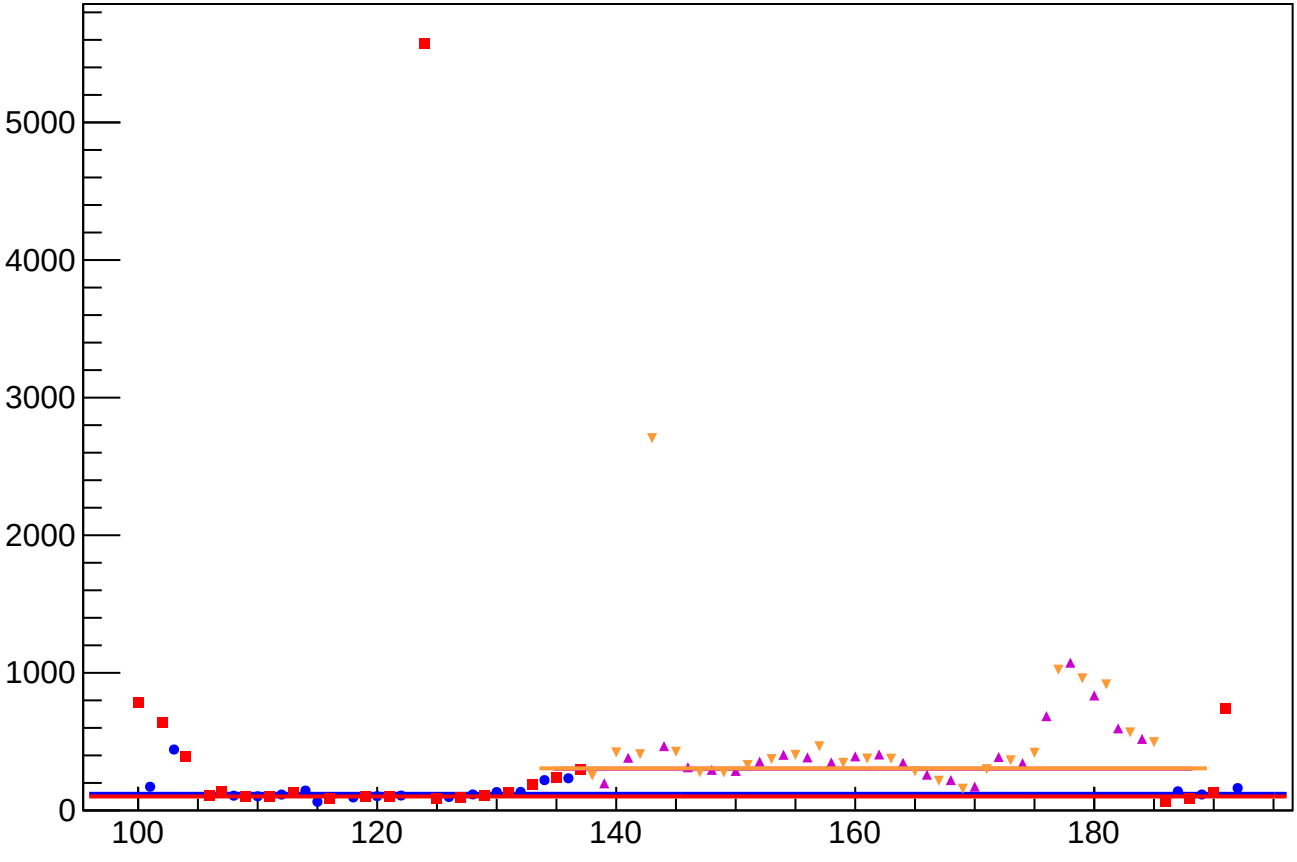
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.048+/-0.038 χ^2/NDF: 47.1/43

All: 0.034+/-0.026 χ^2/NDF: 99.9/89

- sign 0.022+/-0.034 χ^2/NDF: 52.5/45

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 120.884+/-0.031 χ^2/NDF: 1857664.7/18

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

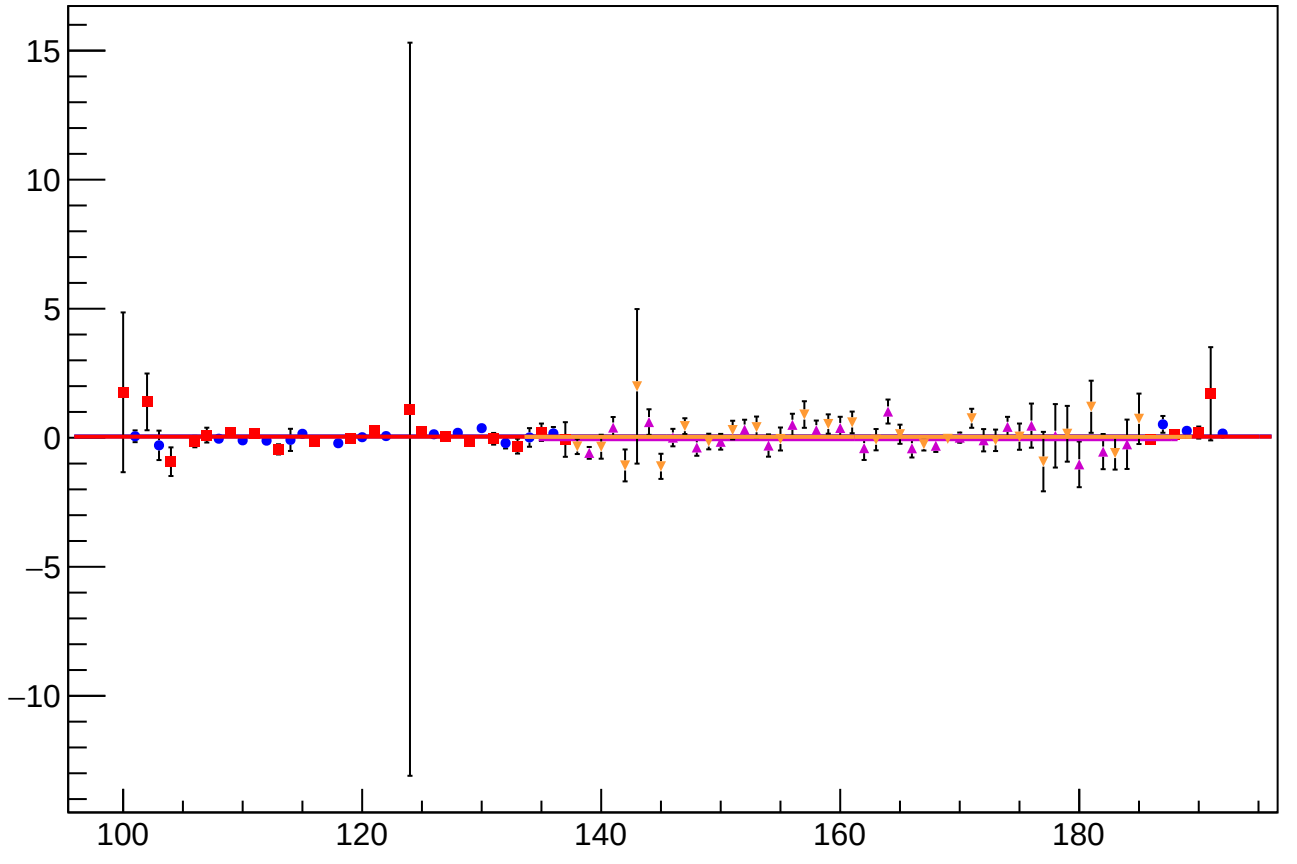
Right Out: 101.779+/-0.027 χ^2/NDF: 2890715.7/22

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.607+/-0.027 χ^2/NDF: 17044586.2/43

All: 152.404+/-0.018 χ^2/NDF: 36071155.9/89

- sign 141.742+/-0.024 χ^2/NDF: 18597255.7/45



Right In: 0.052+/-0.044 χ^2/NDF: 16.6/18

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

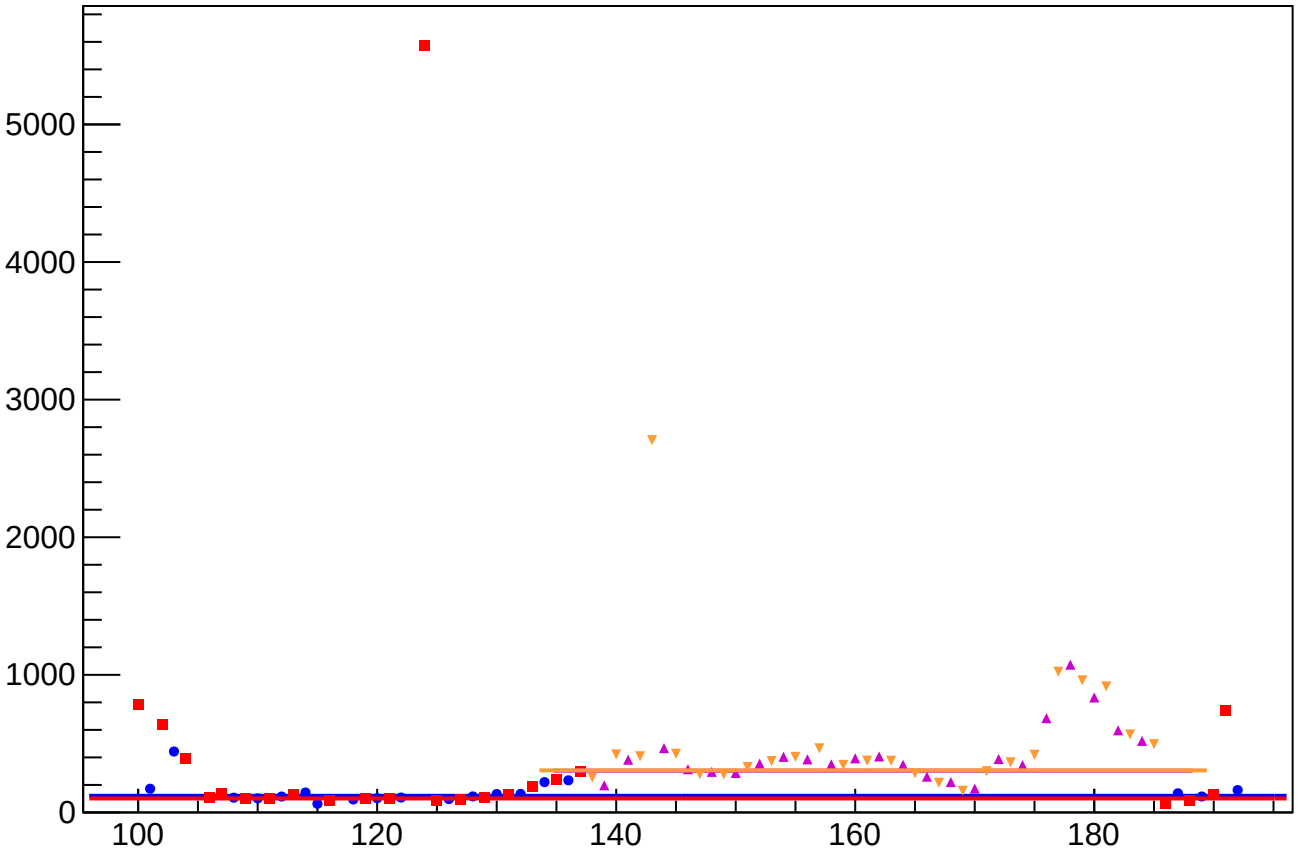
Right Out: 0.042+/-0.038 χ^2/NDF: 25.2/22

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.048+/-0.038 χ^2/NDF: 47.1/43

All: 0.034+/-0.026 χ^2/NDF: 99.9/89

- sign 0.022+/-0.034 χ^2/NDF: 52.5/45



Right In: 120.884+/-0.031 χ^2/NDF: 1857664.7/18

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

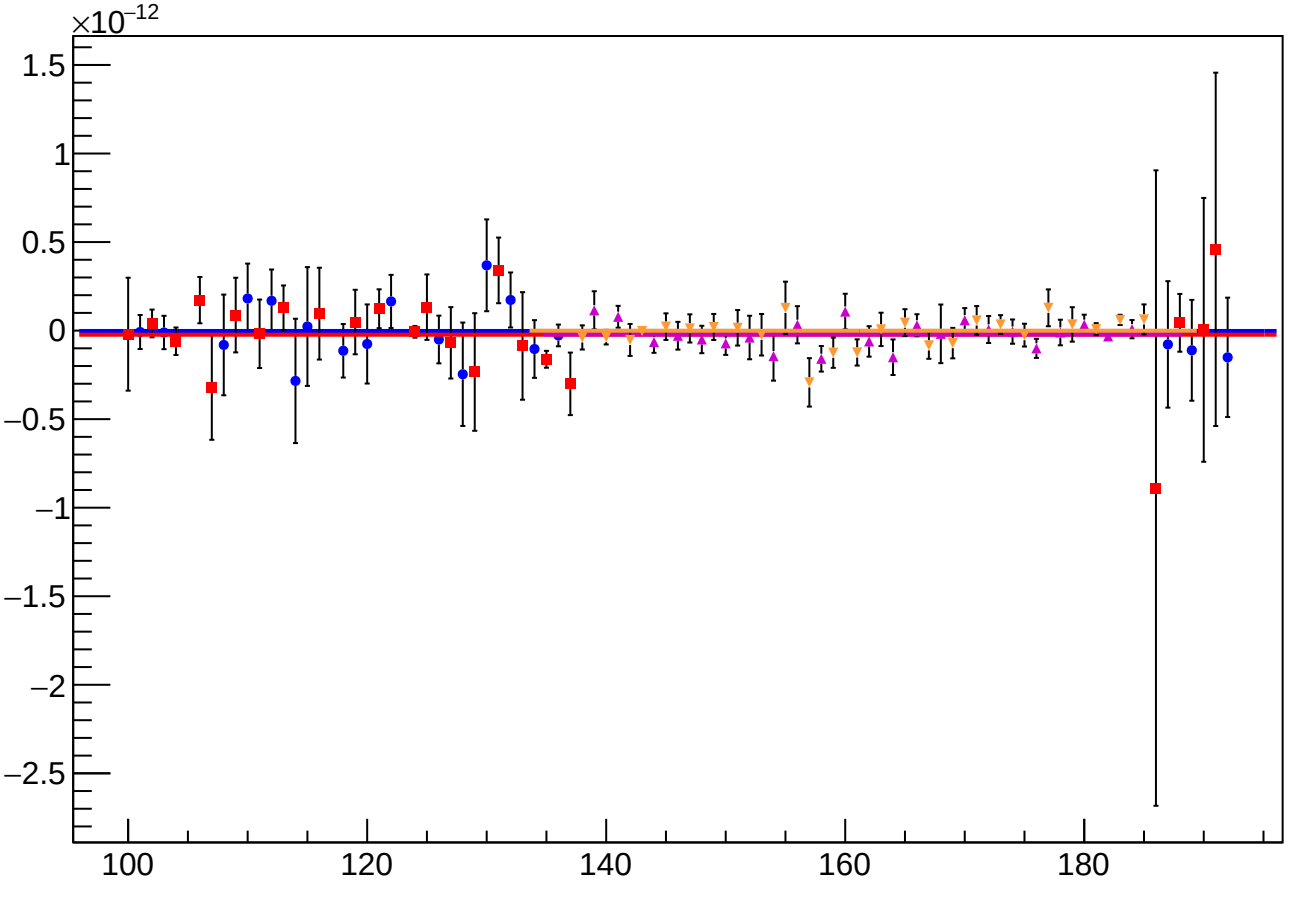
Right Out: 101.779+/-0.027 χ^2/NDF: 2890715.7/22

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.607+/-0.027 χ^2/NDF: 17044586.2/43

All: 152.404+/-0.018 χ^2/NDF: 36071155.9/89

- sign 141.742+/-0.024 χ^2/NDF: 18597255.7/45



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

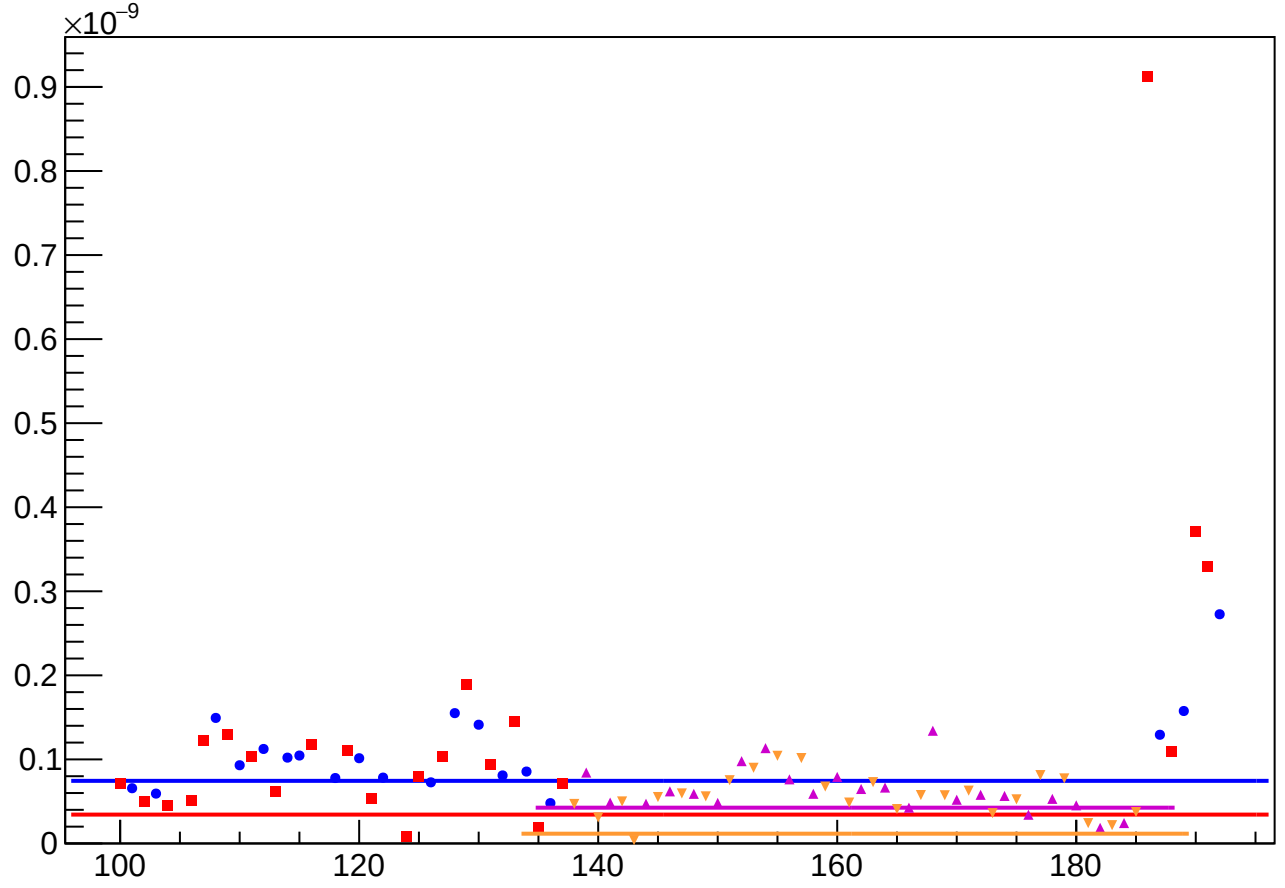
Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.5/43

All: -0.000+/-0.000 χ^2/NDF: 78.8/89

- sign -0.000+/-0.000 χ^2/NDF: 44.4/45

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

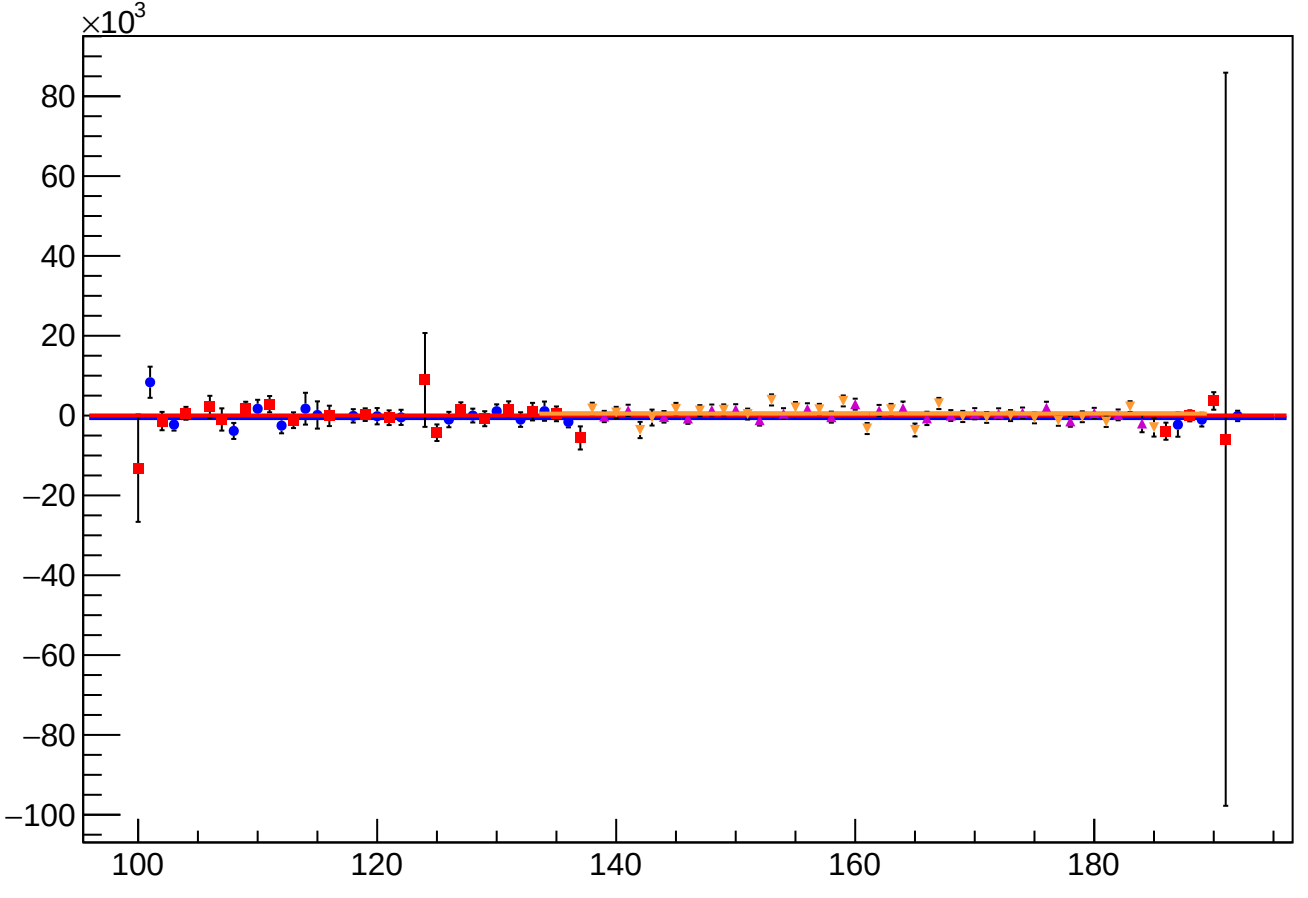
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 26507636.2/43

All: 0.000+/-0.000 χ^2/NDF: 47049264.0/89

- sign 0.000+/-0.000 χ^2/NDF: 11586305.0/45

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



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

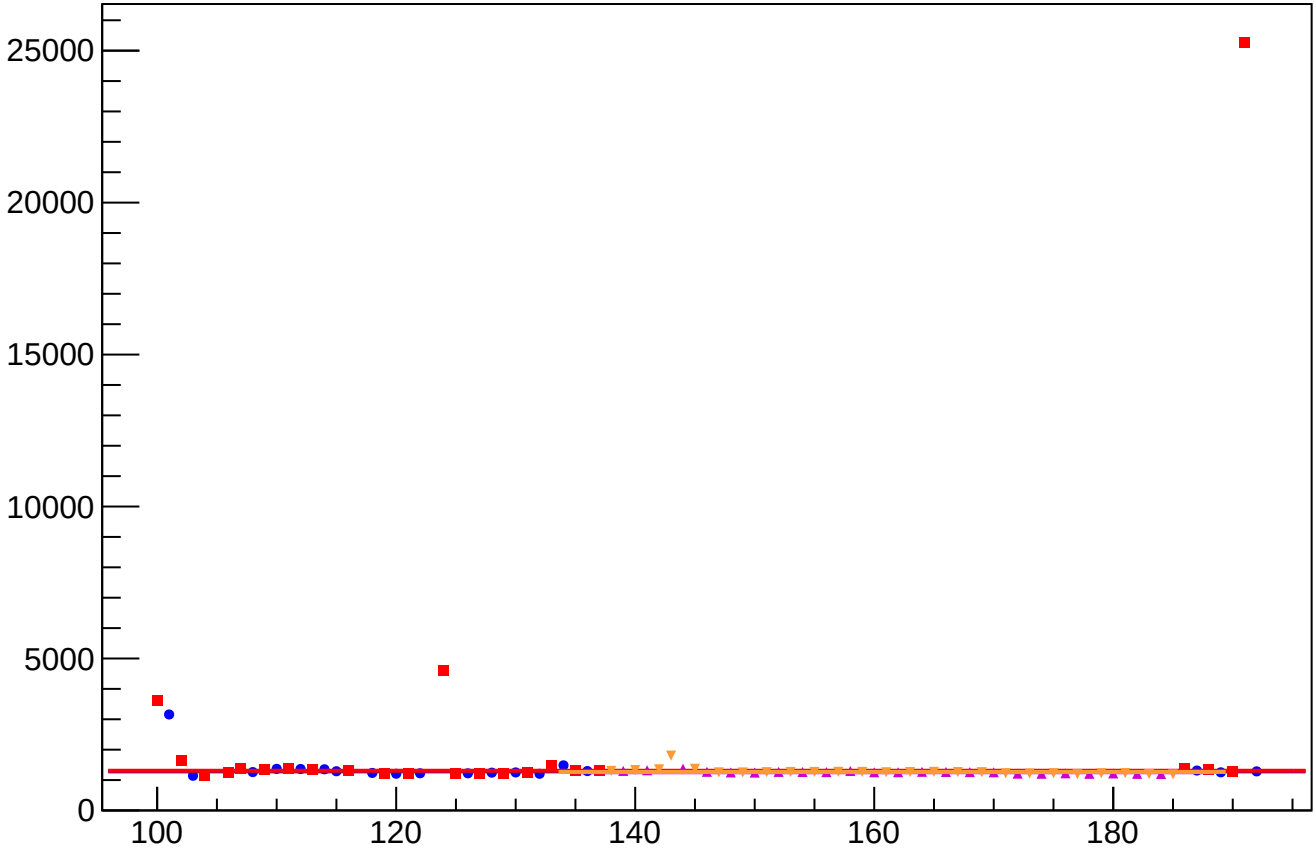
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 152.432+/-240.862 χ^2/NDF: 65.9/43

All: 247.885+/-171.549 χ^2/NDF: 103.4/89

- sign 346.154+/-244.389 χ^2/NDF: 37.2/45

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.289+/-0.309 χ^2/NDF: 515593.7/18

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

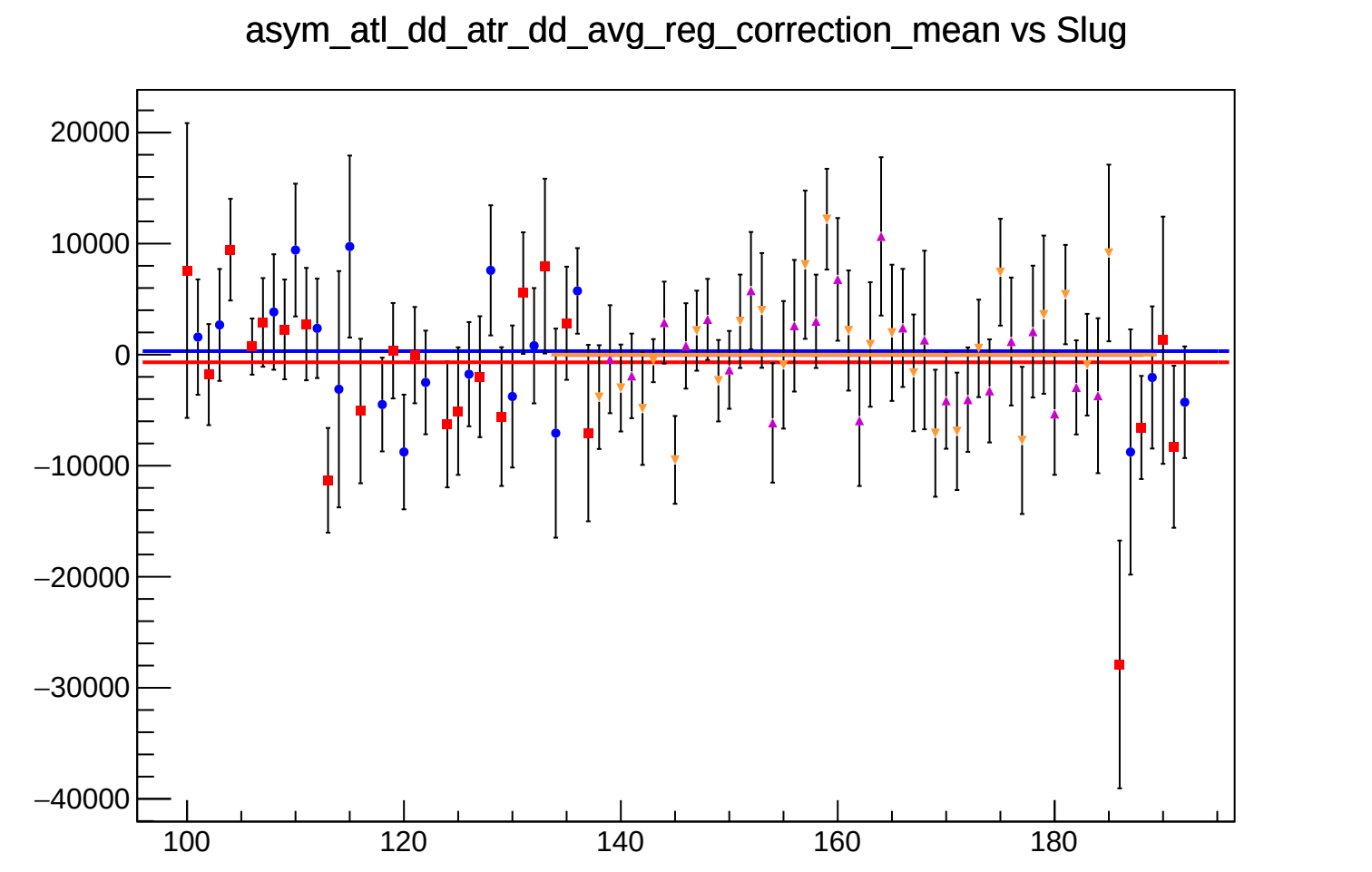
Right Out: 1306.165+/-0.311 χ^2/NDF: 464347.1/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706145.6/43

All: 1272.848+/-0.121 χ^2/NDF: 1224229.1/89

- sign 1272.565+/-0.173 χ^2/NDF: 518078.2/45



Right In: 317.922+/-1248.509 χ^2/NDF: 15.9/18

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

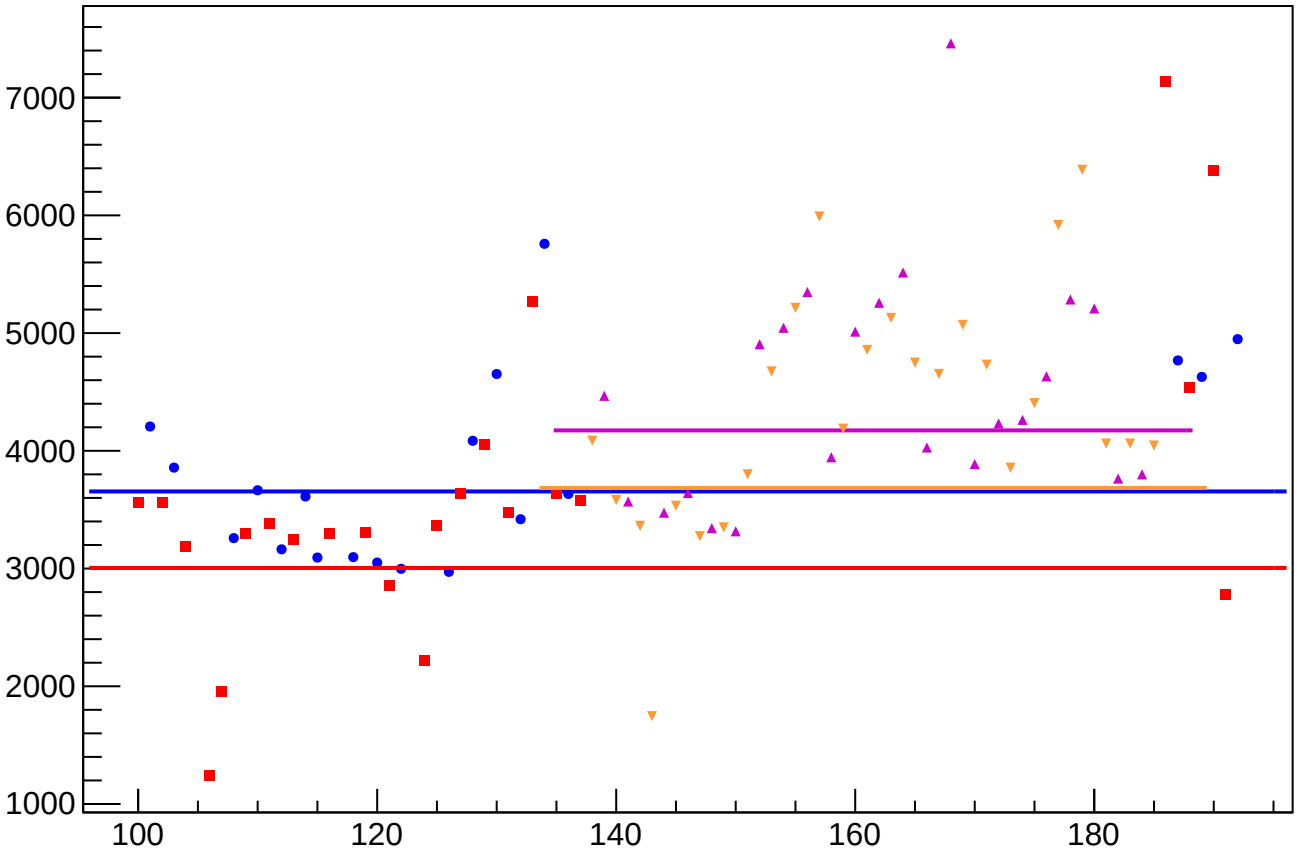
Right Out: -684.995+/-1059.241 χ^2/NDF: 27.5/22

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 106.157+/-722.814 χ^2/NDF: 45.0/43

All: -115.140+/-512.002 χ^2/NDF: 86.9/89

- sign -337.994+/-725.354 χ^2/NDF: 41.8/45



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

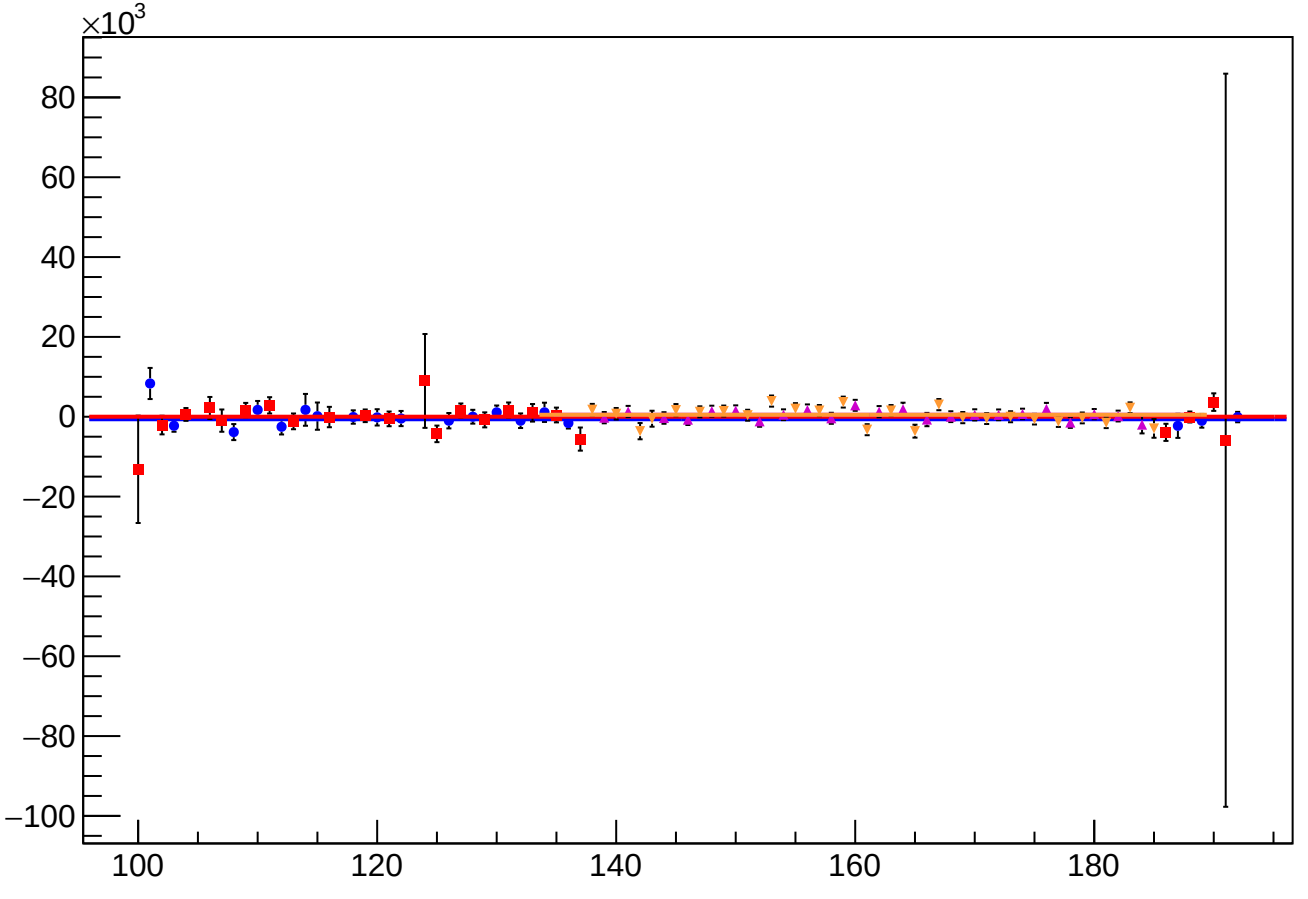
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3674.800+/-0.511 χ^2/NDF: 4272141.3/43

All: 3650.307+/-0.362 χ^2/NDF: 9062497.1/89

- sign 3625.642+/-0.513 χ^2/NDF: 4785746.7/45

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



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

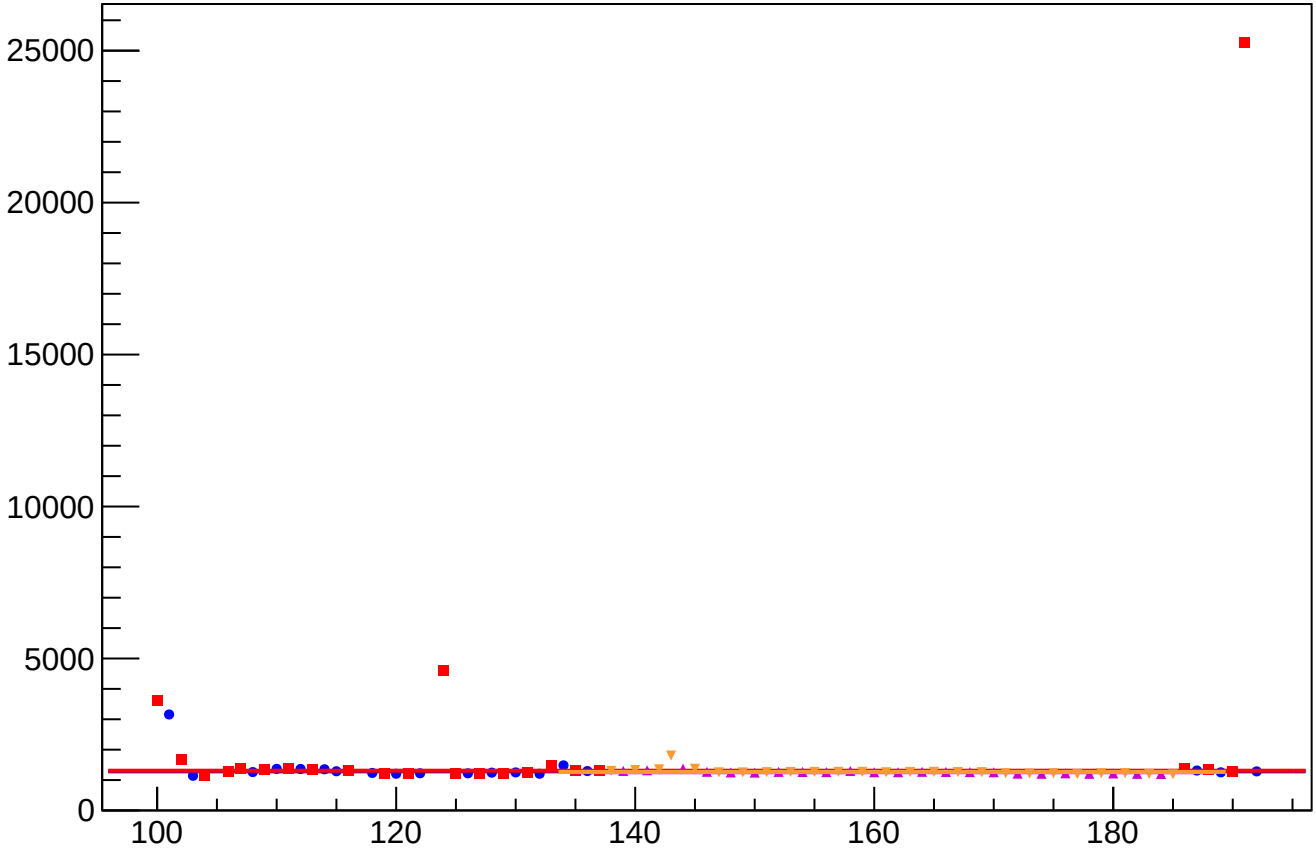
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 244.254+/-171.563 χ^2/NDF: 103.9/89

- sign 338.902+/-244.429 χ^2/NDF: 37.7/45

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.289+/-0.309 χ^2/NDF: 515595.1/18

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

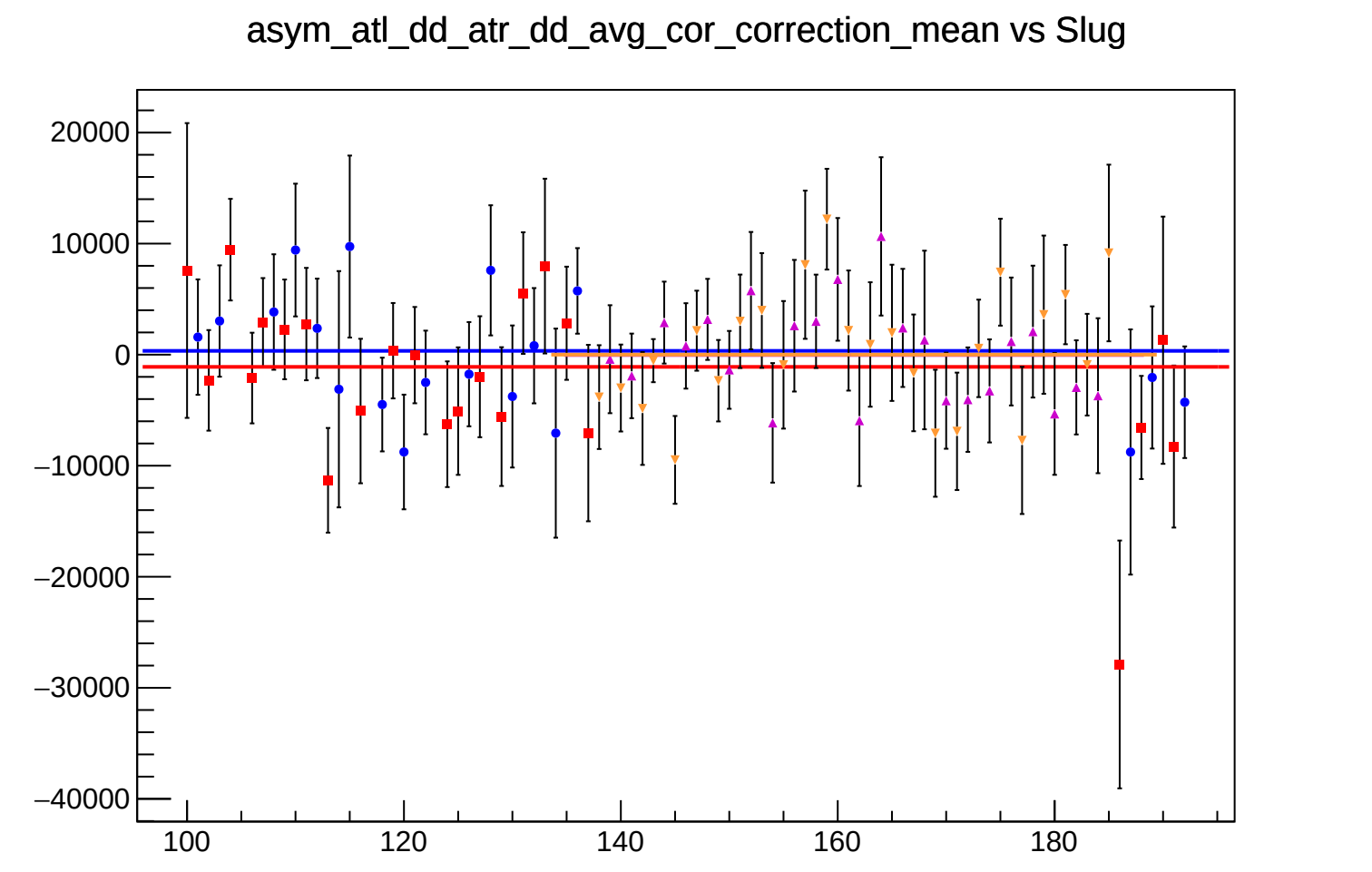
Right Out: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.091+/-0.121 χ^2/NDF: 1231660.1/89

- sign 1273.057+/-0.173 χ^2/NDF: 525513.0/45



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

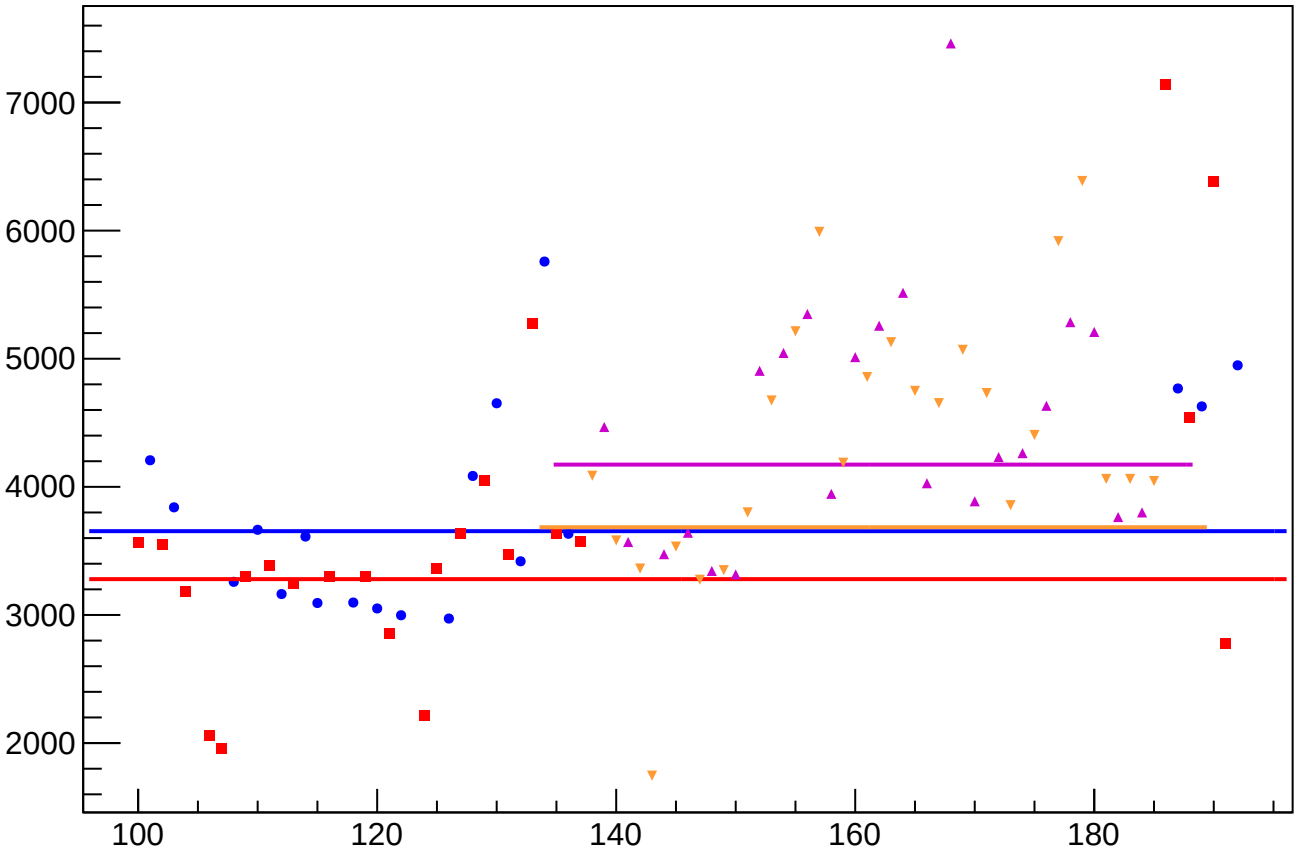
Right Out: -1100.868+/-1121.138 χ^2/NDF: 27.3/22

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

\+ sign 114.011+/-722.740 χ^2/NDF: 45.0/43

All: -185.369+/-518.520 χ^2/NDF: 87.2/89

\- sign -502.905+/-744.334 χ^2/NDF: 41.8/45



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

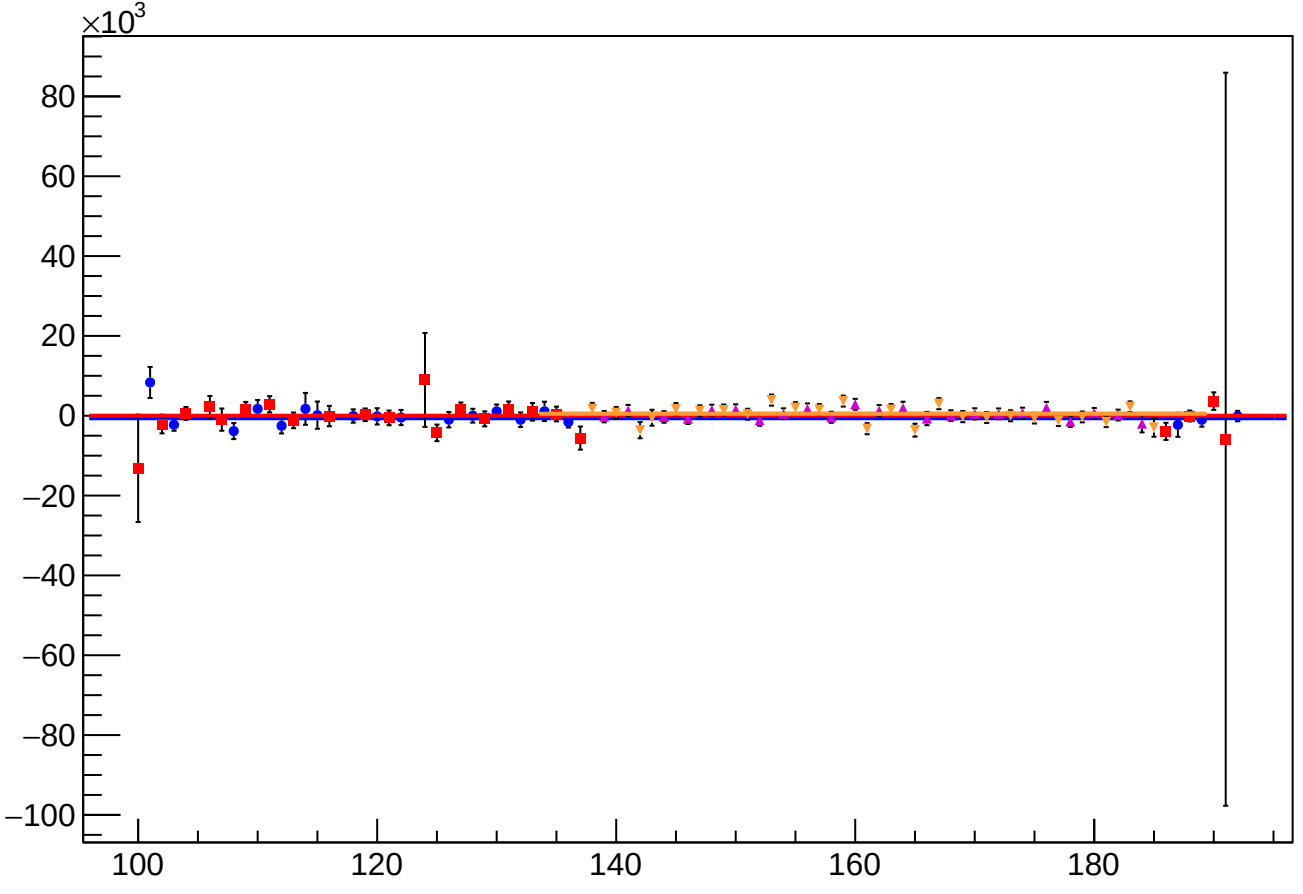
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3725.474+/-0.367 χ^2/NDF: 7510107.6/89

- sign 3779.551+/-0.526 χ^2/NDF: 3217787.5/45

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



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

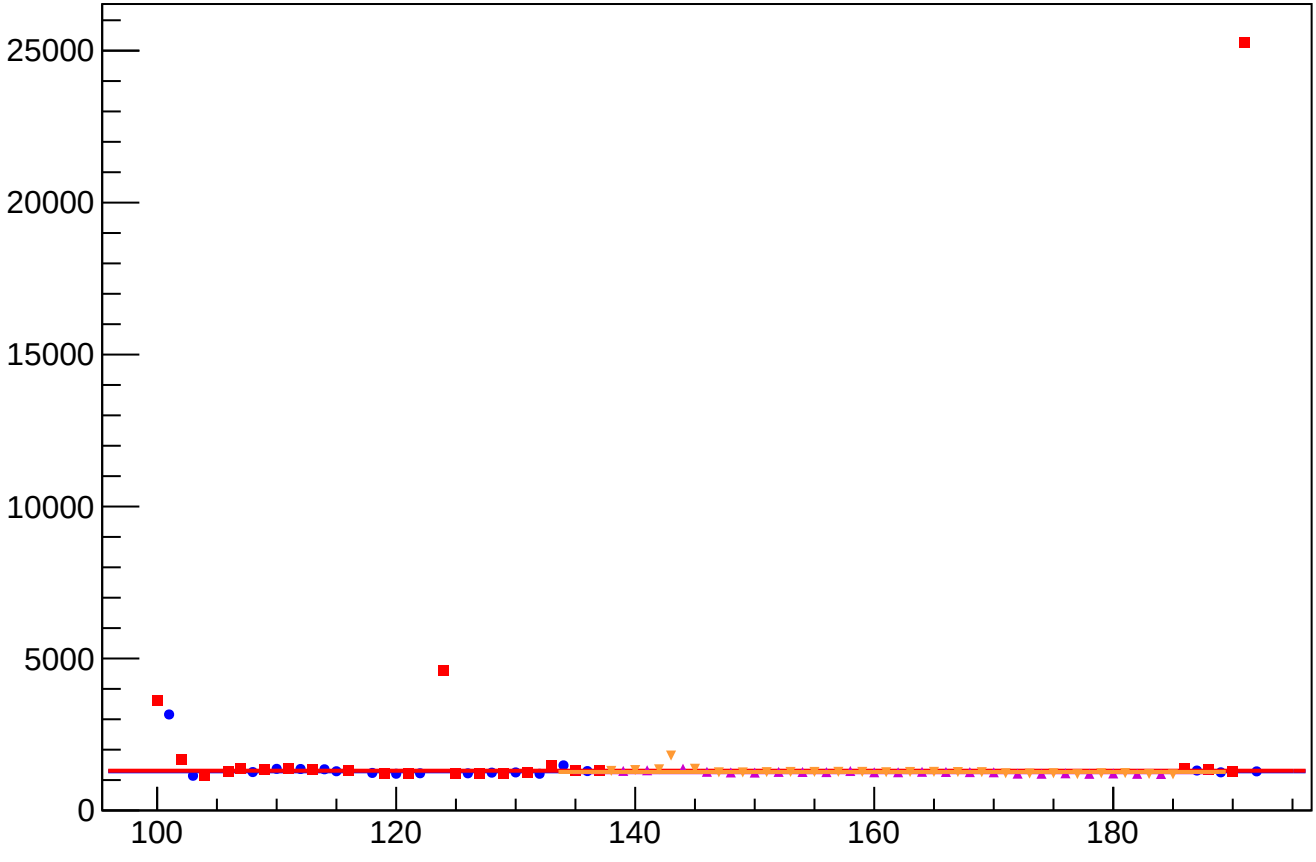
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 244.254+/-171.563 χ^2/NDF: 103.9/89

- sign 338.902+/-244.429 χ^2/NDF: 37.7/45

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1287.289+/-0.309 χ^2/NDF: 515595.1/18

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

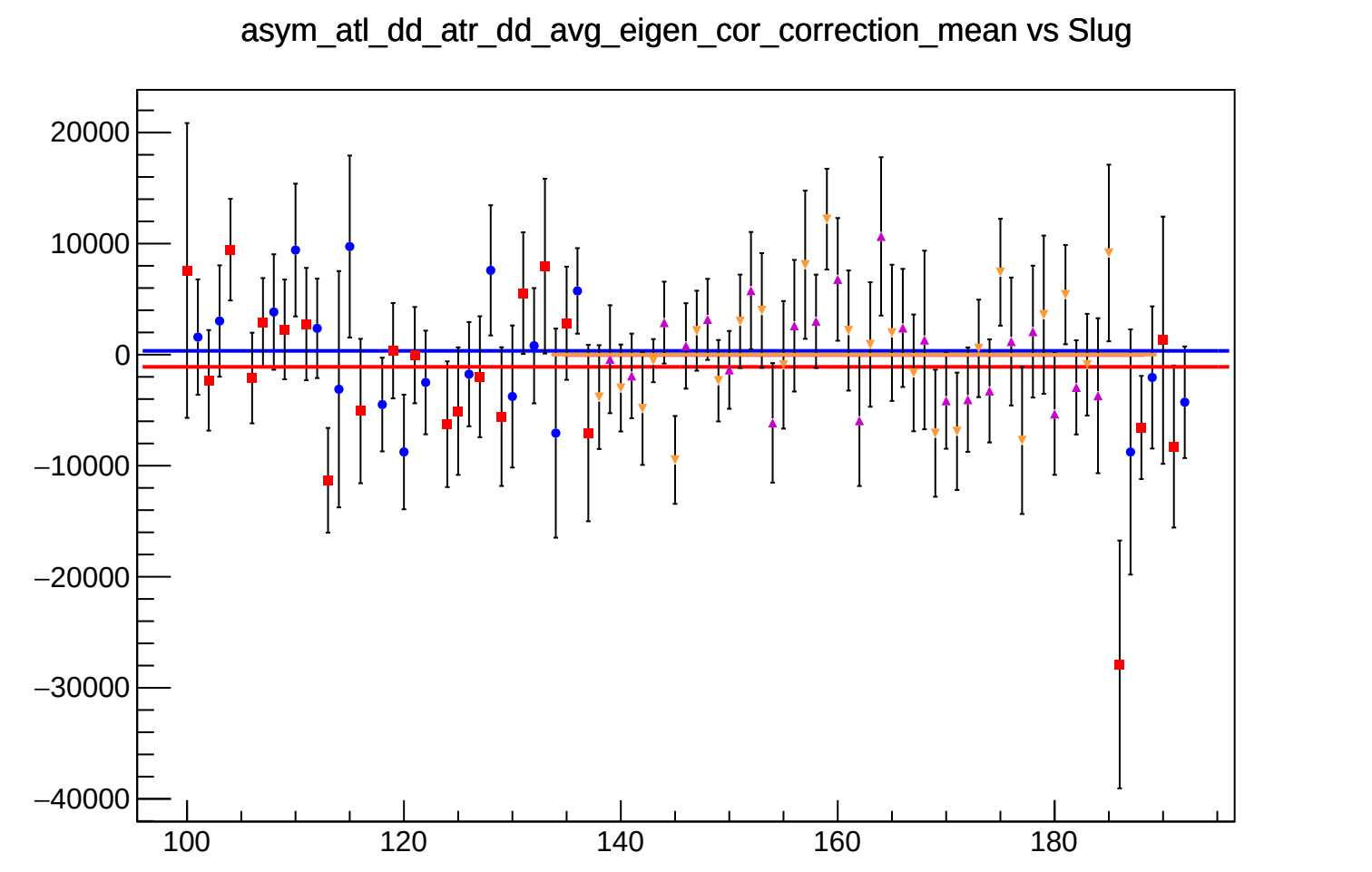
Right Out: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

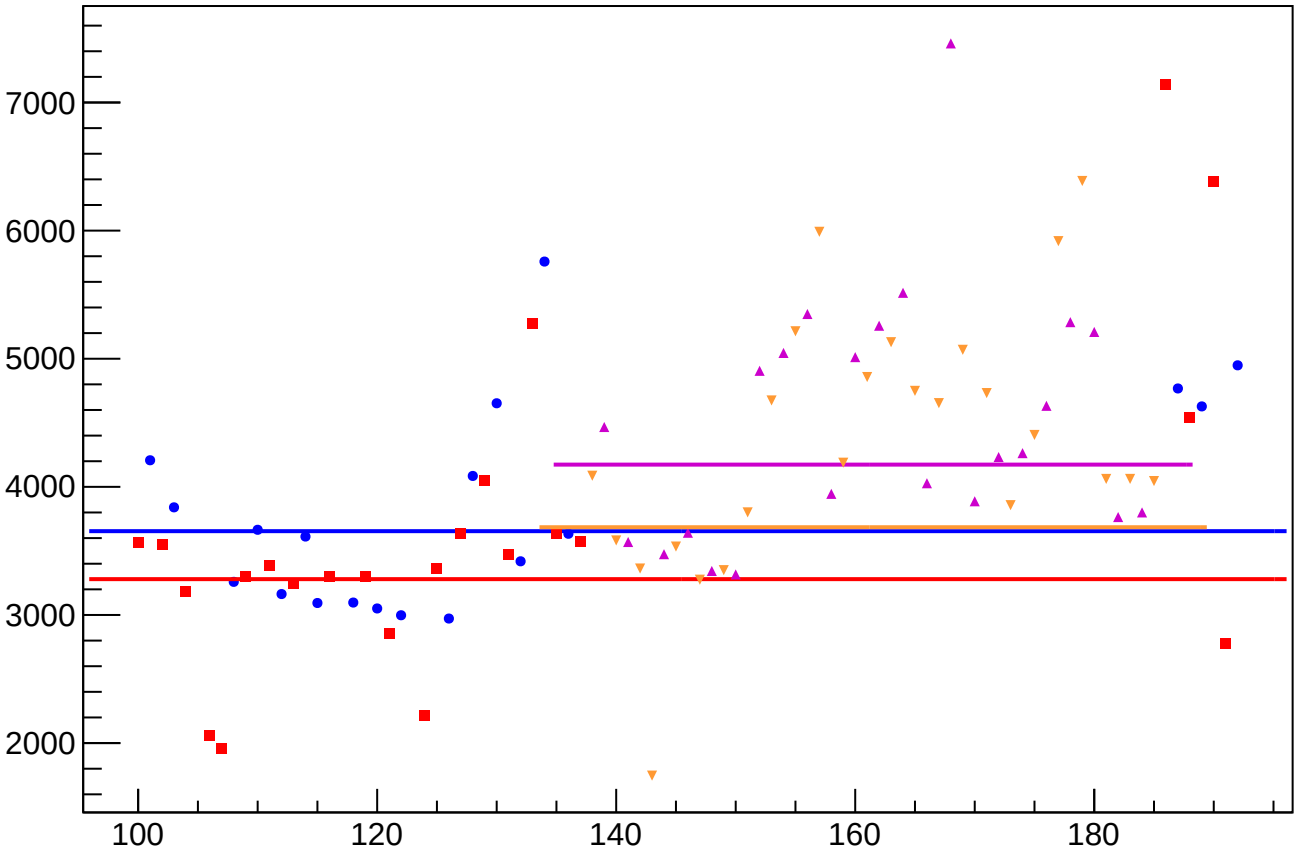
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.091+/-0.121 χ^2/NDF: 1231660.1/89

- sign 1273.057+/-0.173 χ^2/NDF: 525513.0/45


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: 341.091+/-1248.128 χ²/NDF: 15.9/18
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1100.868+/-1121.138 χ²/NDF: 27.3/22
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 114.011+/-722.740 χ²/NDF: 45.0/43
All: -185.369+/-518.520 χ²/NDF: 87.2/89
- sign -502.905+/-744.334 χ²/NDF: 41.8/45



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

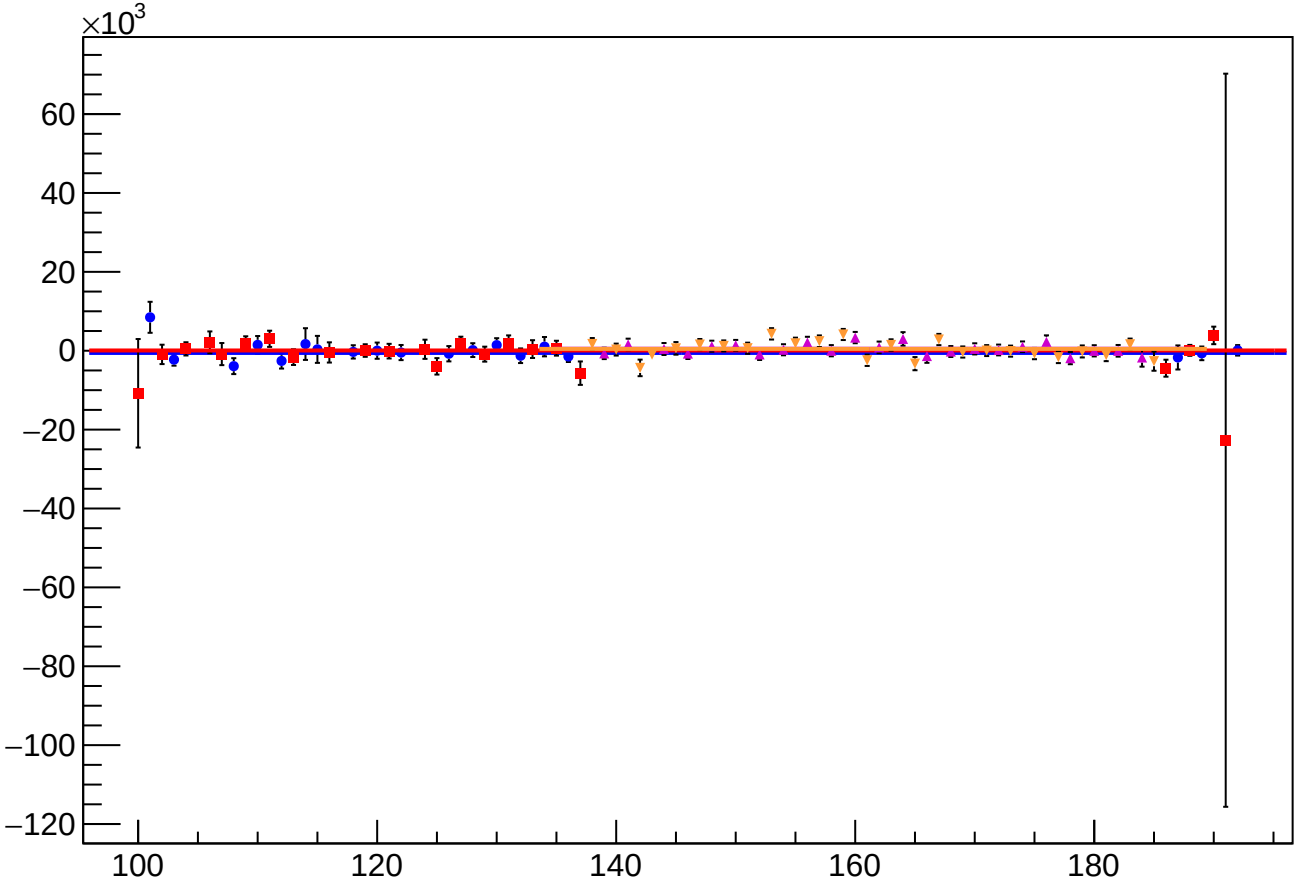
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3725.474+/-0.367 χ^2/NDF: 7510107.6/89

- sign 3779.551+/-0.526 χ^2/NDF: 3217787.5/45

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



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

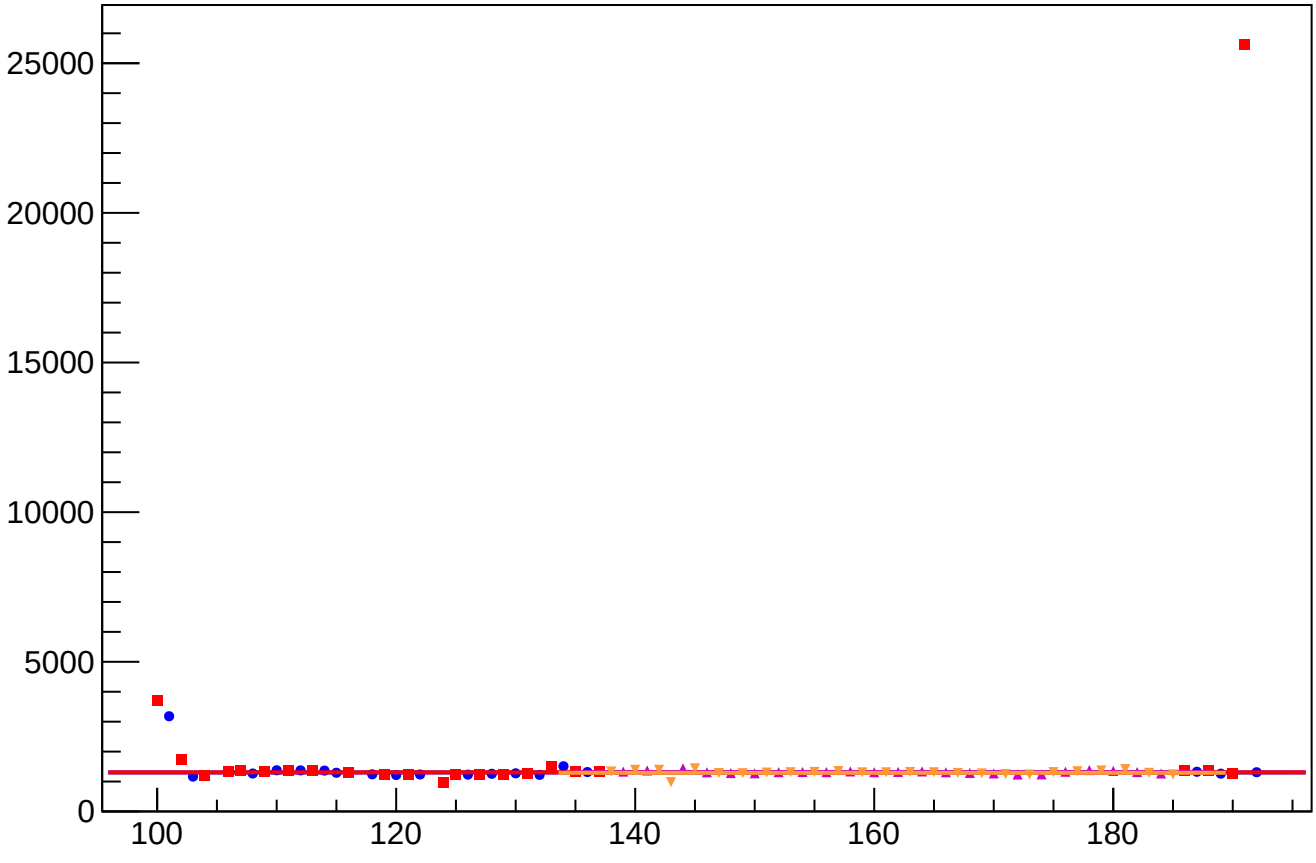
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 154.290+/-245.075 χ^2/NDF: 62.3/43

All: 254.243+/-175.576 χ^2/NDF: 103.0/89

- sign 359.640+/-251.659 χ^2/NDF: 40.3/45

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1302.569+/-0.313 χ^2/NDF: 511871.0/18

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

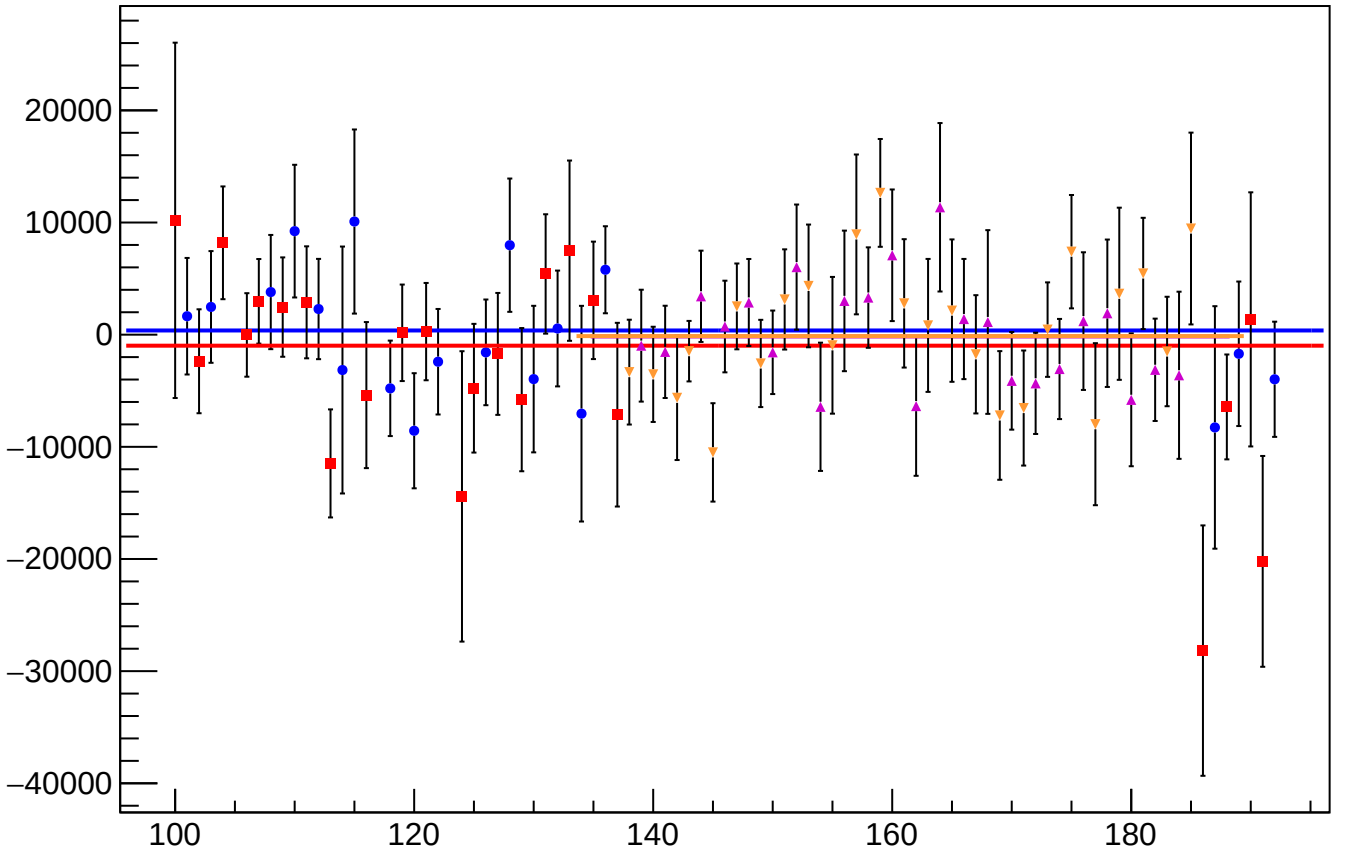
Right Out: 1306.774+/-0.310 χ^2/NDF: 359849.5/22

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.690+/-0.173 χ^2/NDF: 743518.9/43

All: 1302.937+/-0.124 χ^2/NDF: 1151429.6/89

- sign 1311.630+/-0.178 χ^2/NDF: 403258.6/45



Right In: 374.648+/-1251.845 χ^2/NDF: 15.7/18

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

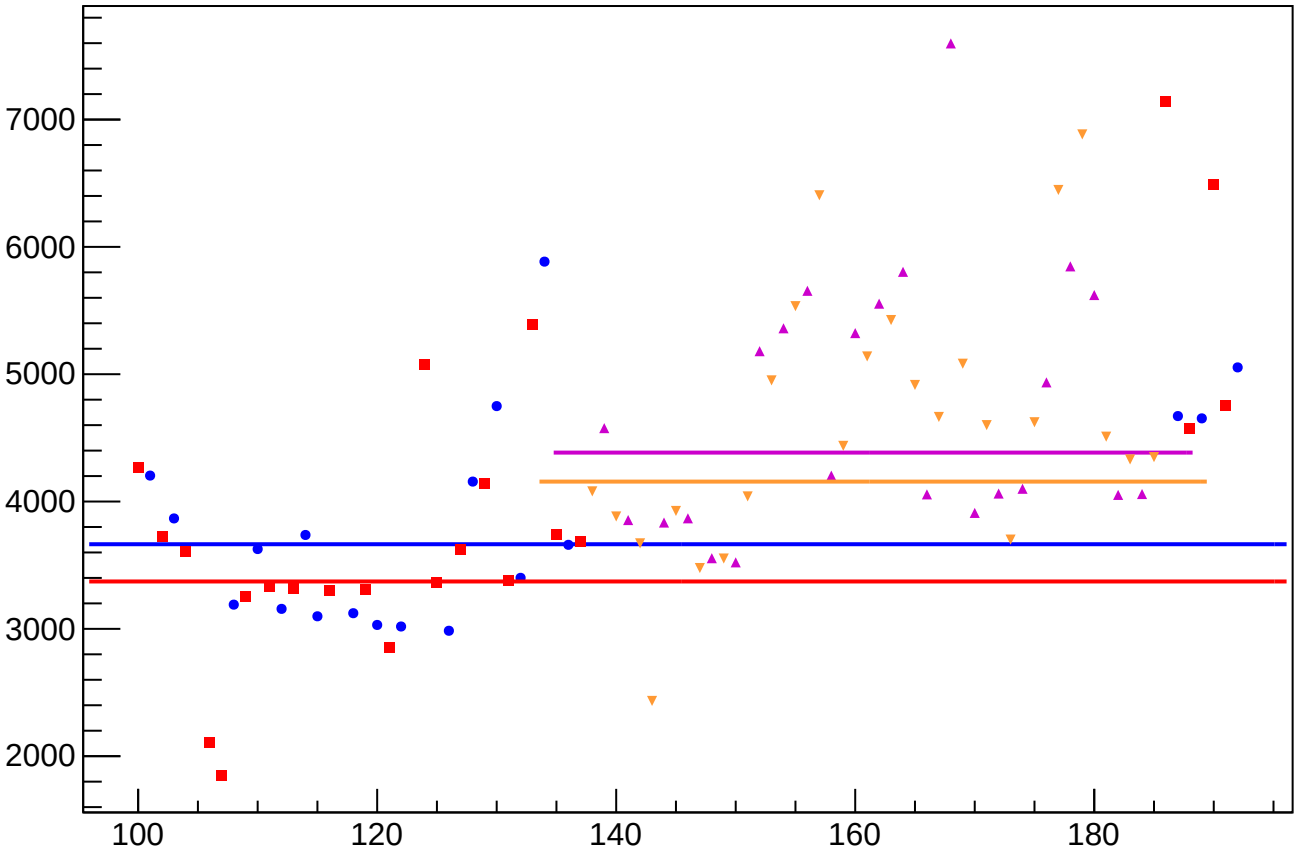
Right Out: -981.731+/-1141.605 χ^2/NDF: 29.0/22

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 62.777+/-770.312 χ^2/NDF: 44.4/43

All: -235.602+/-544.945 χ^2/NDF: 87.8/89

- sign -534.533+/-771.025 χ^2/NDF: 43.1/45



Right In: 3664.685+/-0.885 χ^2/NDF: 611305.2/18

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

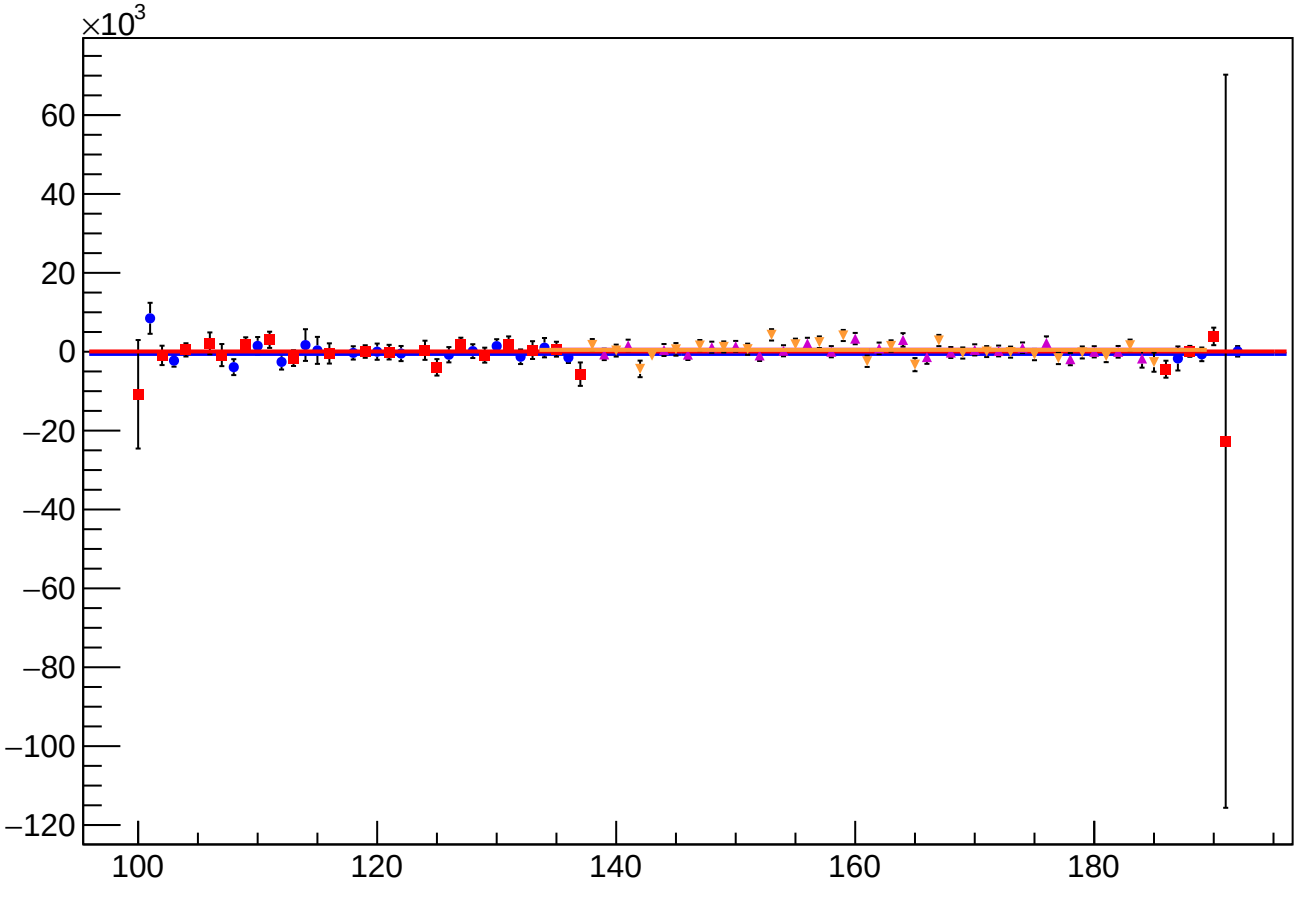
Right Out: 3372.159+/-0.807 χ^2/NDF: 1371232.1/22

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3970.327+/-0.545 χ^2/NDF: 2883945.7/43

All: 3946.499+/-0.385 χ^2/NDF: 6369509.3/89

- sign 3922.626+/-0.545 χ^2/NDF: 3481732.6/45



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

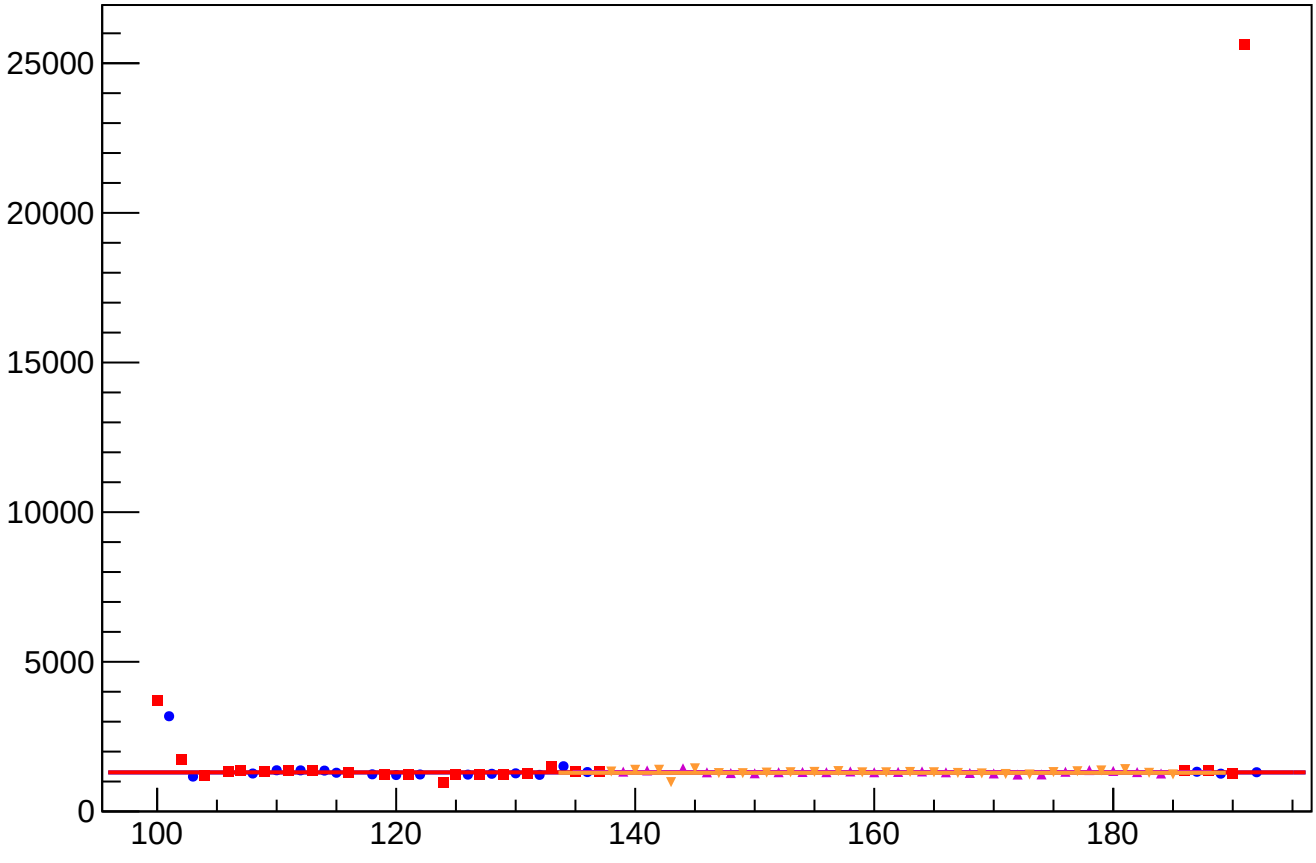
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 154.291+/-245.075 χ^2/NDF: 62.3/43

All: 254.245+/-175.576 χ^2/NDF: 103.0/89

- sign 359.641+/-251.659 χ^2/NDF: 40.3/45

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1302.568+/-0.313 χ^2/NDF: 511871.1/18

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

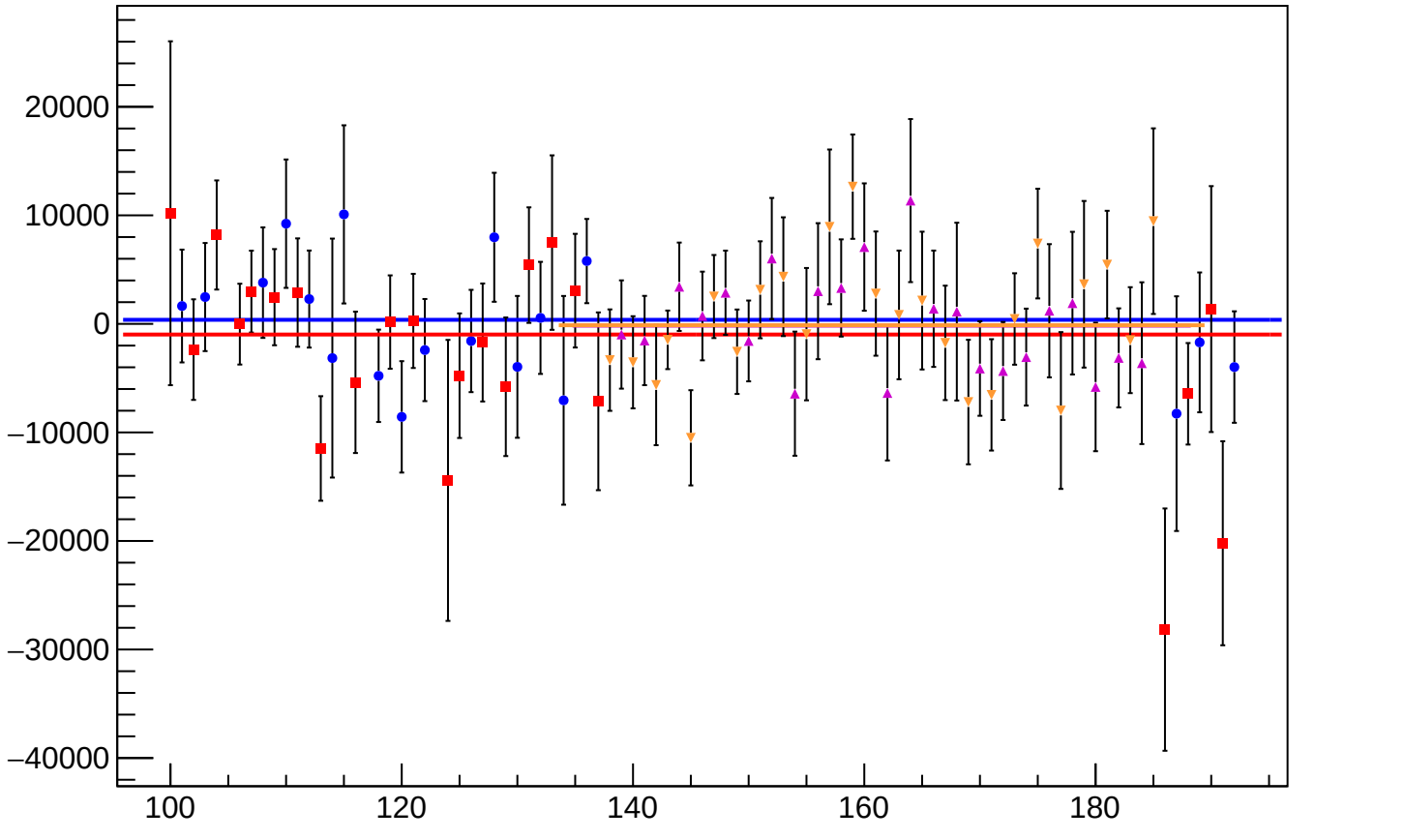
Right Out: 1306.774+/-0.310 χ^2/NDF: 359849.6/22

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.691+/-0.173 χ^2/NDF: 743521.3/43

All: 1302.938+/-0.124 χ^2/NDF: 1151434.4/89

- sign 1311.631+/-0.178 χ^2/NDF: 403261.0/45



Right In: 374.640+/-1251.843 χ^2/NDF: 15.7/18

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

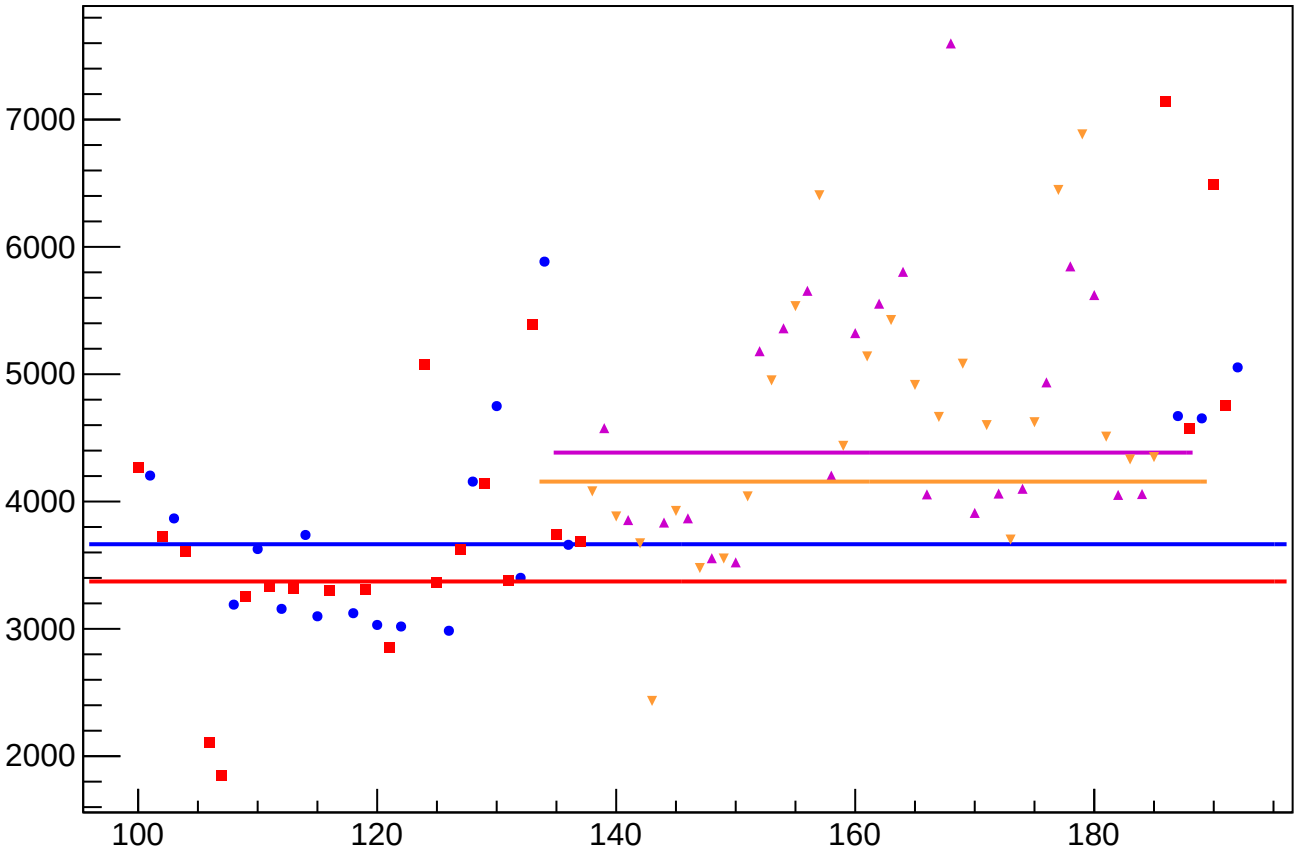
Right Out: -981.723+/-1141.603 χ^2/NDF: 29.0/22

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 62.776+/-770.313 χ^2/NDF: 44.4/43

All: -235.601+/-544.945 χ^2/NDF: 87.8/89

- sign -534.531+/-771.025 χ^2/NDF: 43.1/45



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

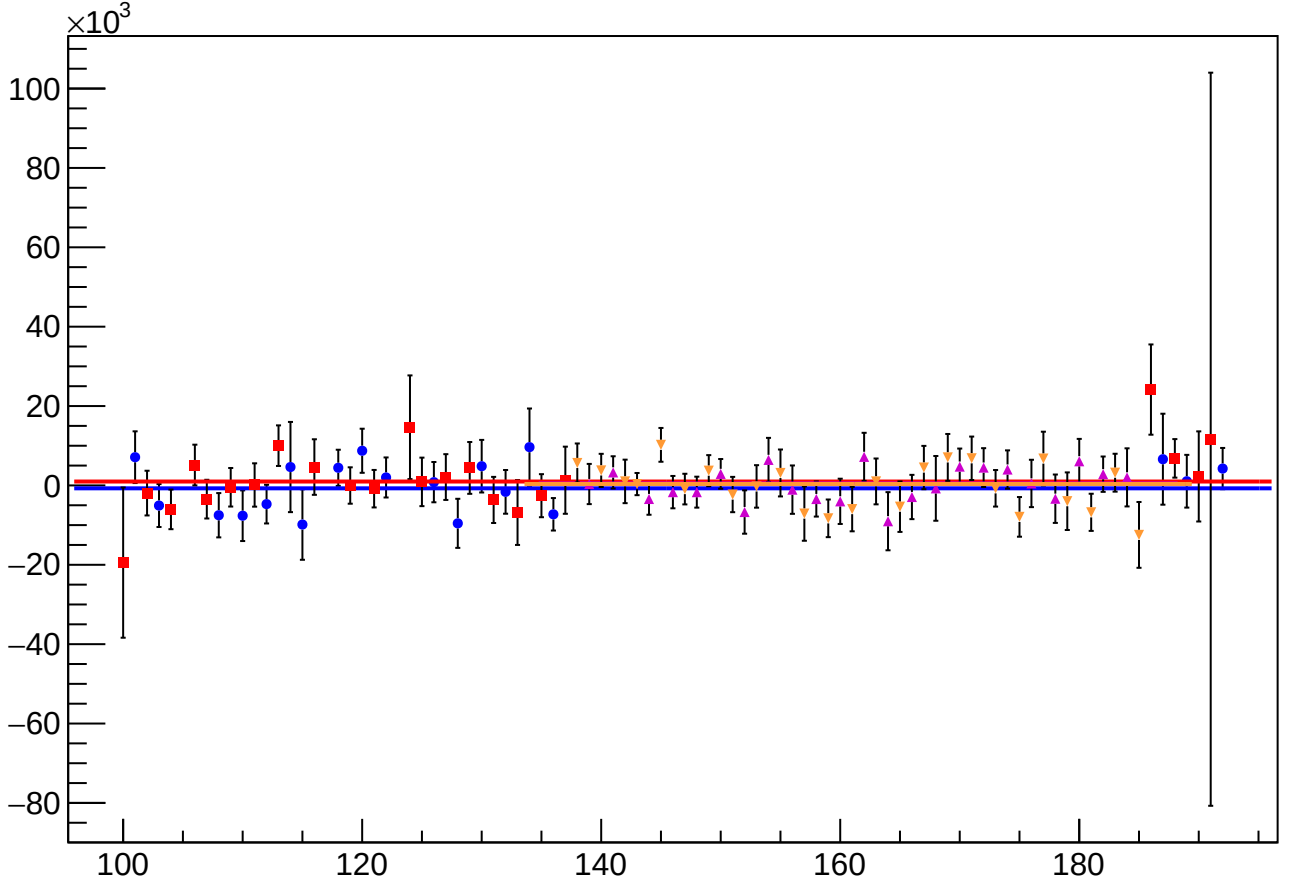
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3970.327+/-0.545 χ^2/NDF: 2883969.3/43

All: 3946.498+/-0.385 χ^2/NDF: 6369568.5/89

- sign 3922.625+/-0.545 χ^2/NDF: 3481767.9/45

asym_atl_dd_atr_dd_avg_mean vs Slug



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

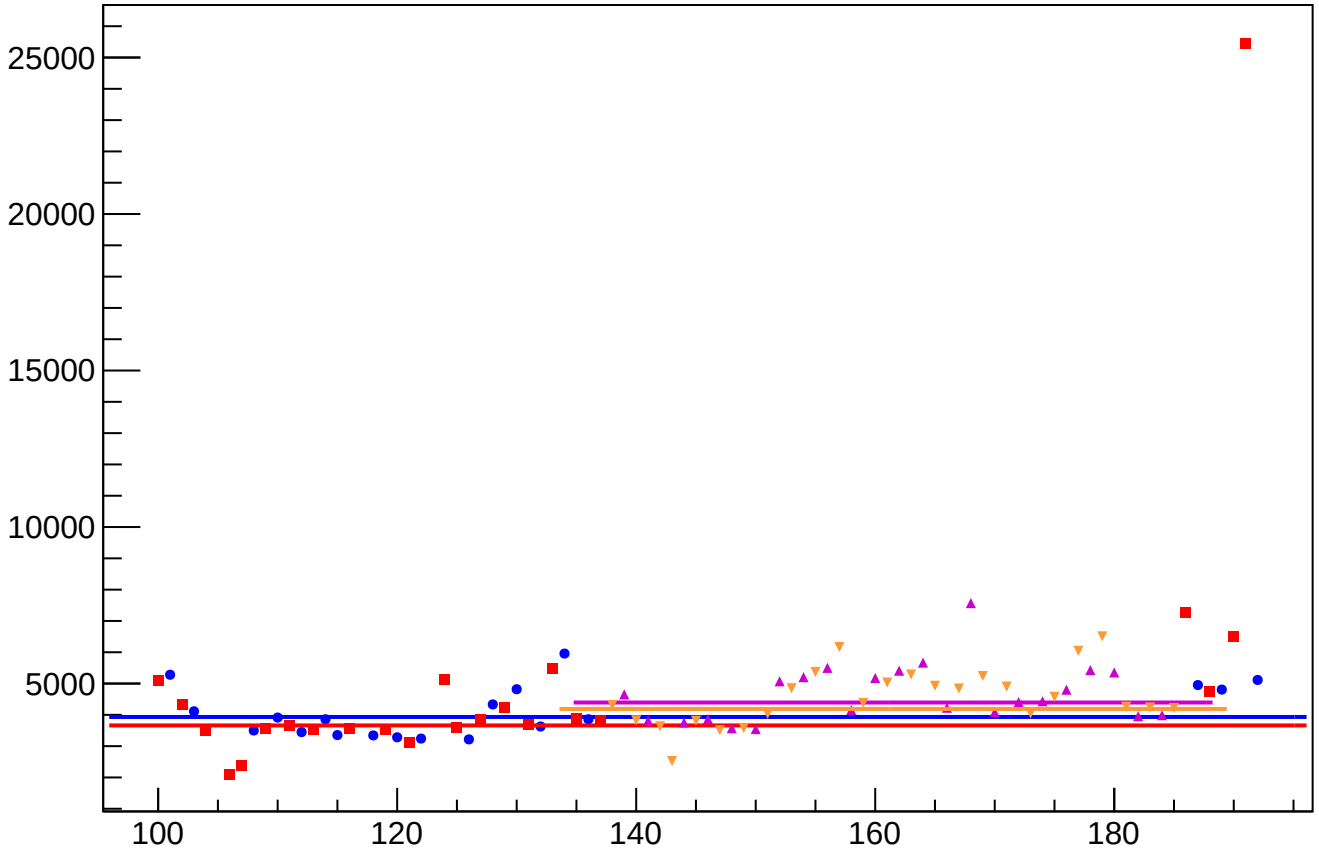
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -18.523+/-791.369 χ^2/NDF: 47.2/43

All: 330.237+/-565.122 χ^2/NDF: 79.2/89

- sign 693.159+/-807.275 χ^2/NDF: 31.6/45

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3932.103+/-0.949 χ^2/NDF: 558009.3/18

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

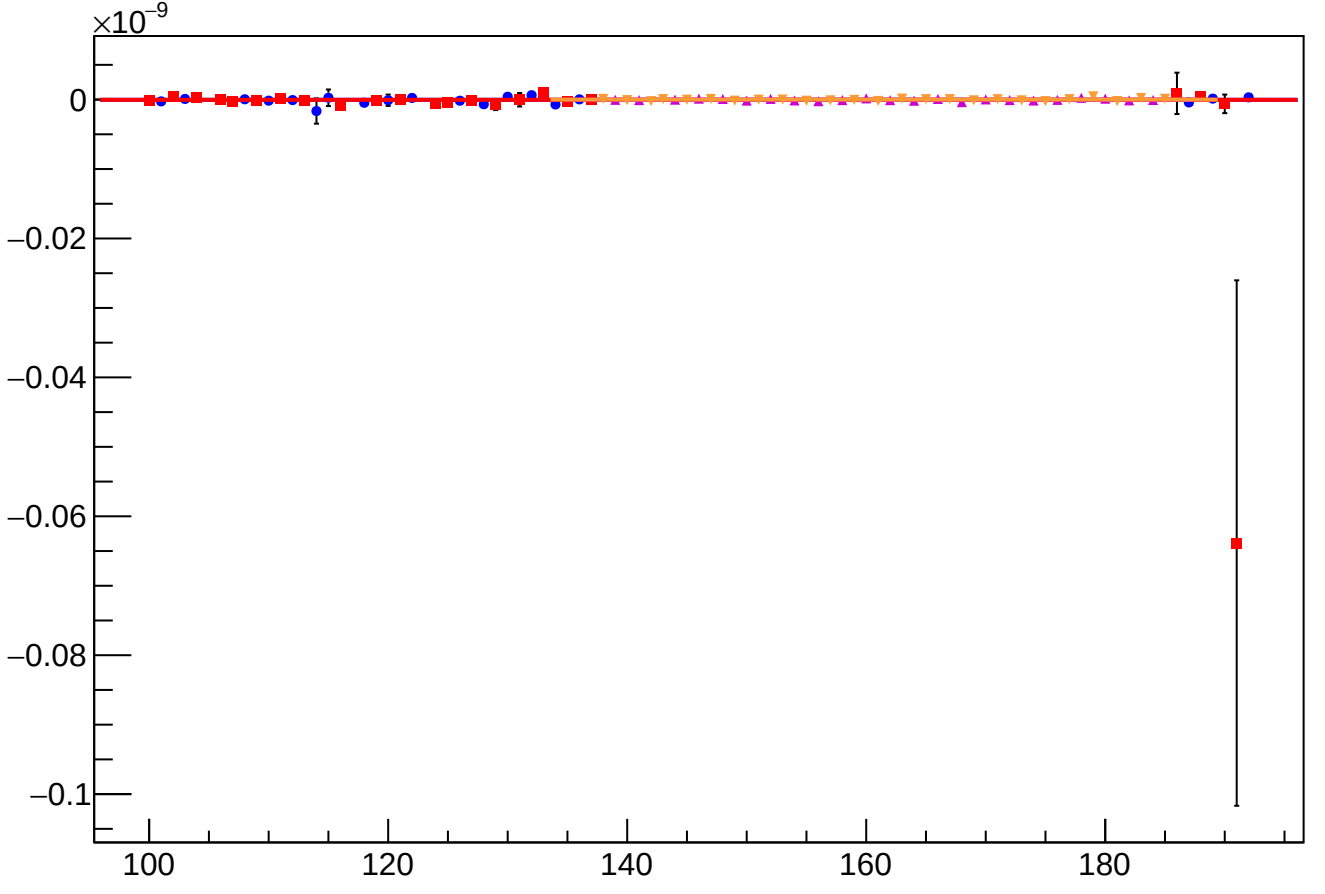
Right Out: 3662.212+/-0.888 χ^2/NDF: 1163470.1/22

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4098.918+/-0.560 χ^2/NDF: 2401731.2/43

All: 4096.971+/-0.399 χ^2/NDF: 5055236.8/89

- sign 4094.965+/-0.568 χ^2/NDF: 2653481.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

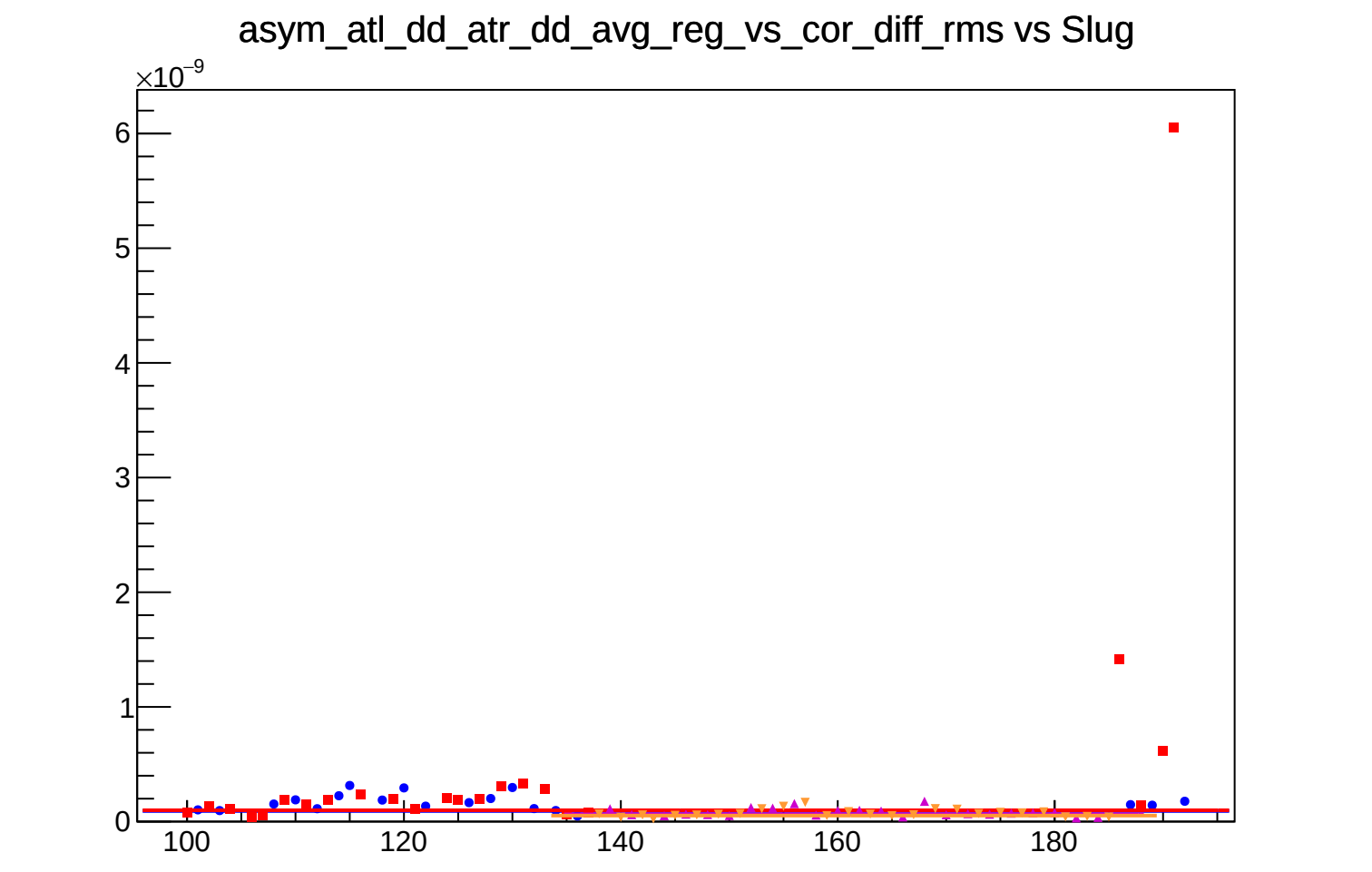
Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/22

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.8/43

All: -0.000+/-0.000 χ^2/NDF: 87.4/89

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



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

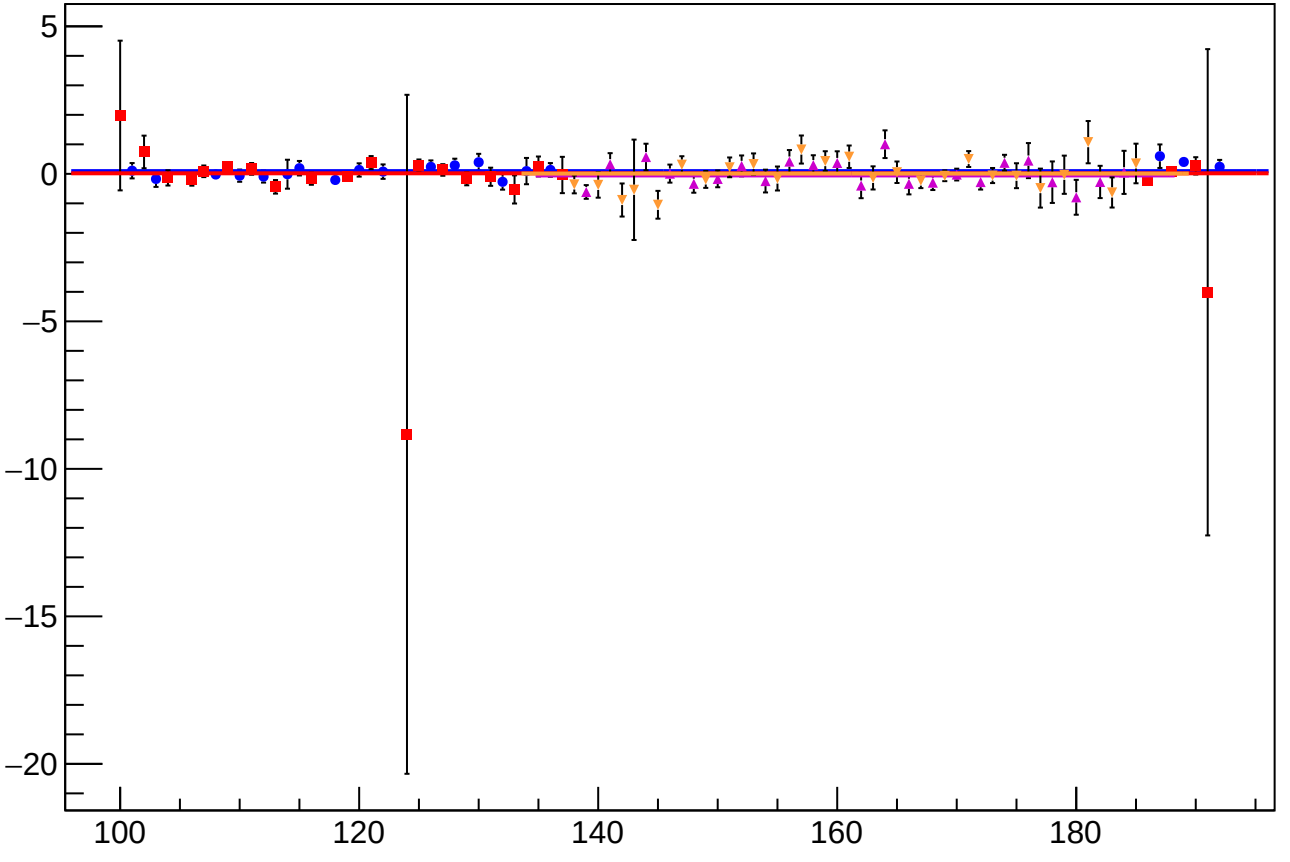
Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5077576.1/43

All: 0.000+/-0.000 χ^2/NDF: 10192130.5/89

- sign 0.000+/-0.000 χ^2/NDF: 4875468.1/45

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



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

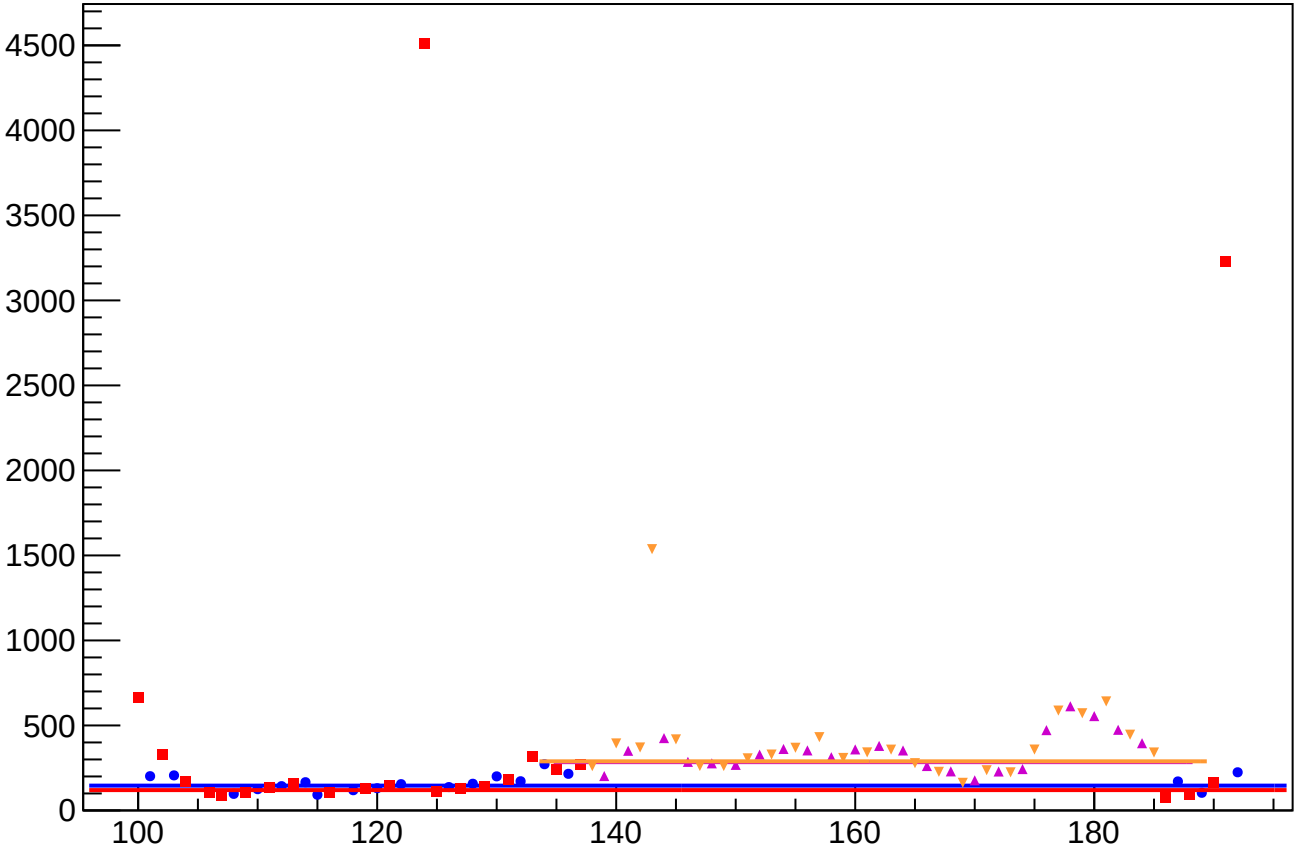
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.027+/-0.028 χ^2/NDF: 102.3/89

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.020+/-0.037 χ^2/NDF: 1386367.2/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

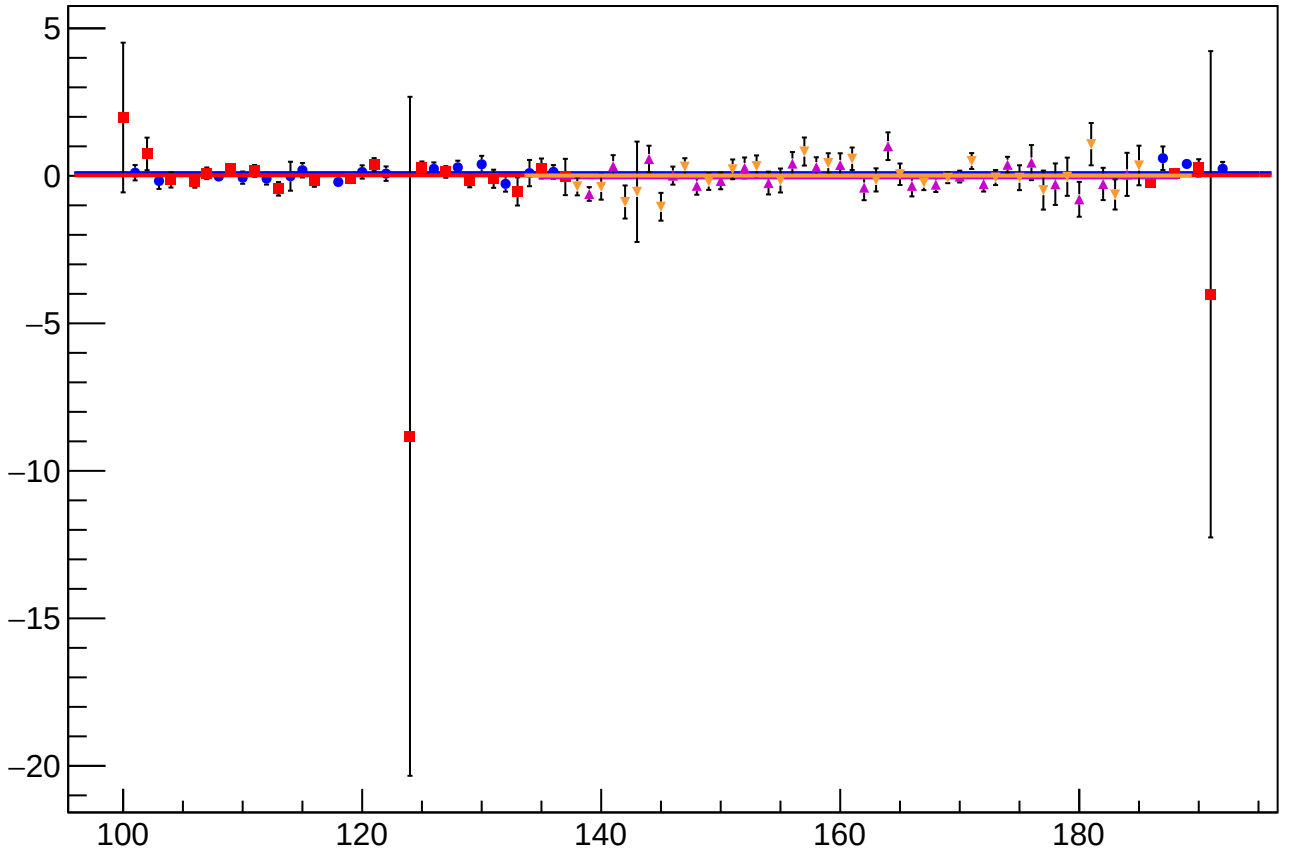
Right Out: 119.726+/-0.031 χ^2/NDF: 2481719.2/22

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.023+/-0.030 χ^2/NDF: 11298805.5/43

All: 179.540+/-0.020 χ^2/NDF: 25225278.3/89

- sign 166.400+/-0.027 χ^2/NDF: 13373141.5/45



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

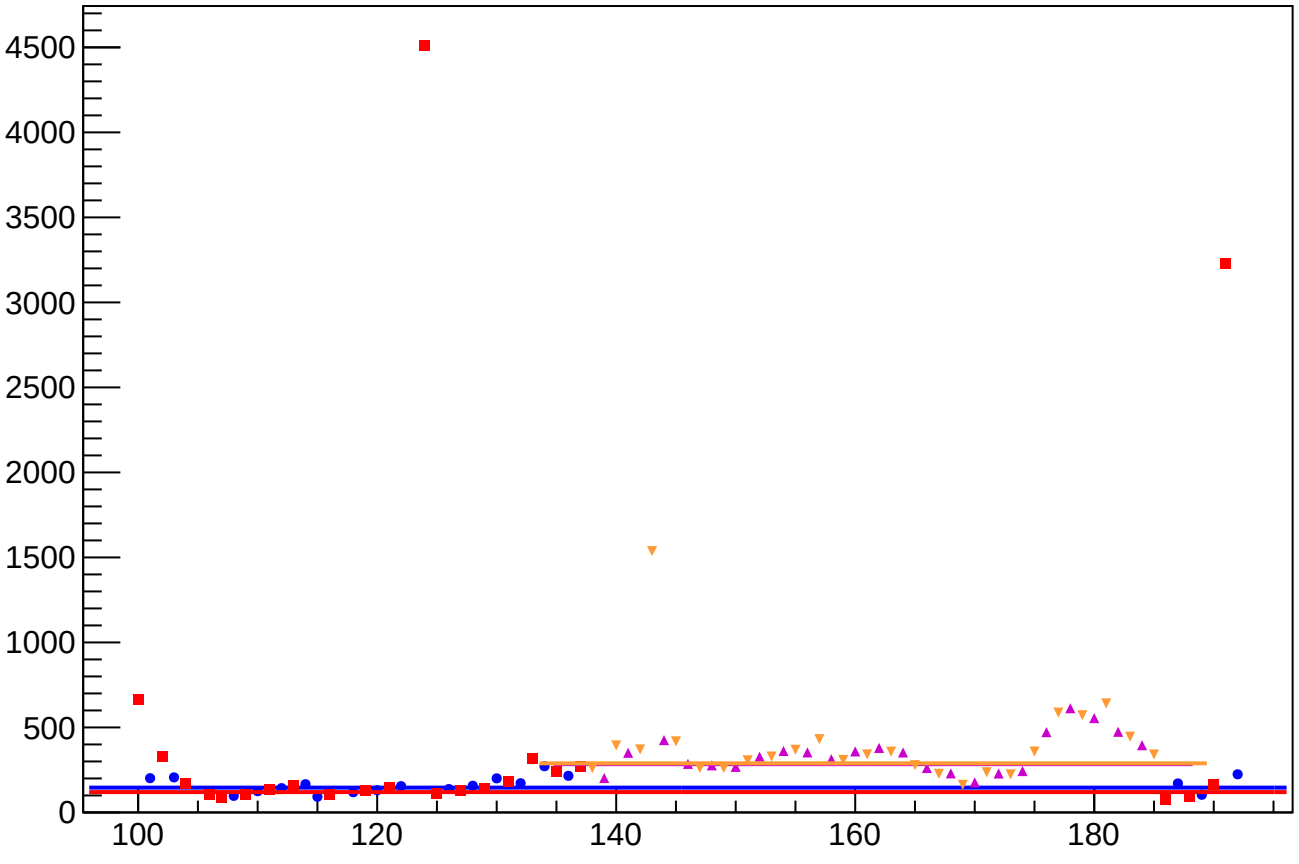
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.027+/-0.028 χ^2/NDF: 102.3/89

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45



Right In: 146.020+/-0.037 χ^2/NDF: 1386367.2/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

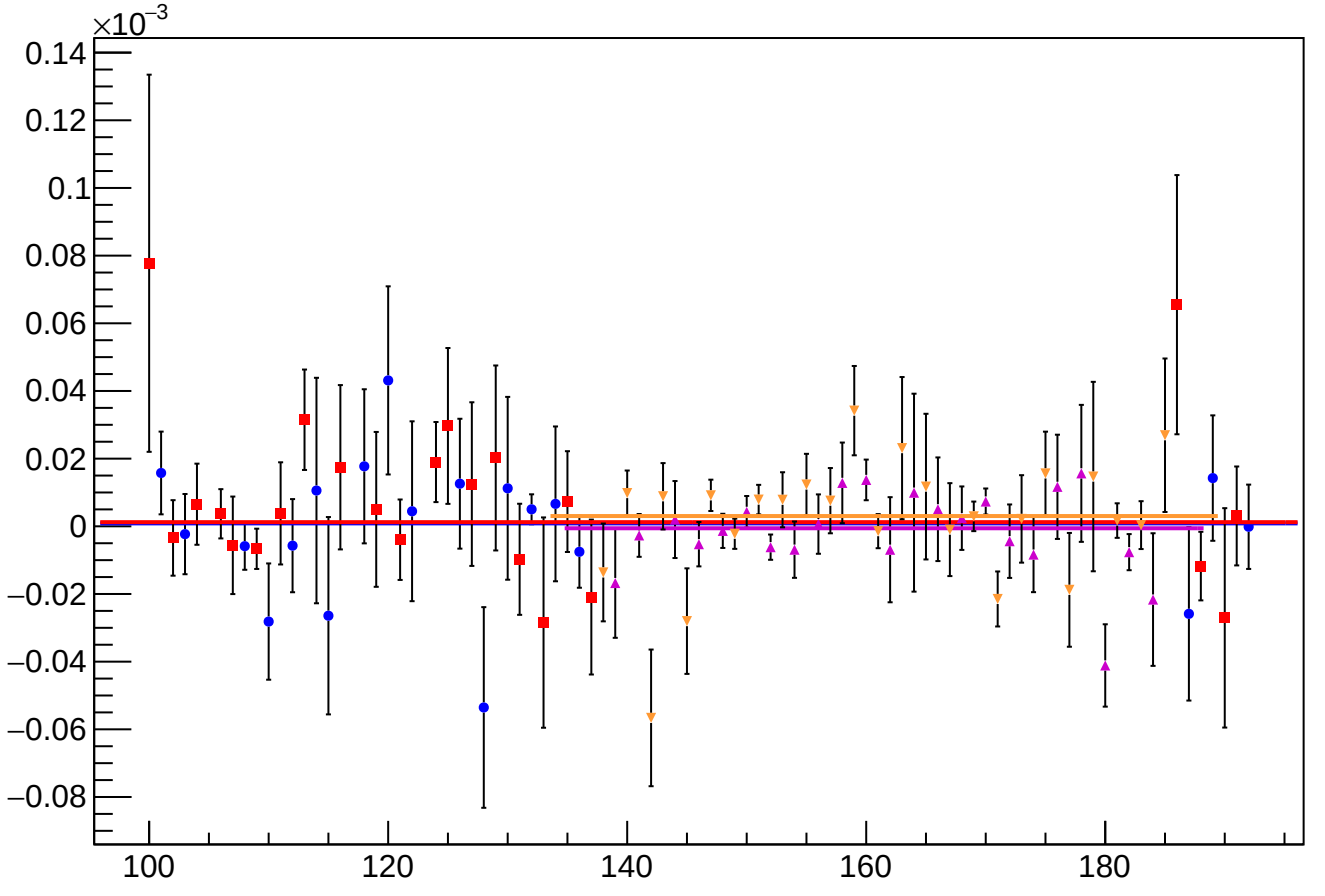
Right Out: 119.726+/-0.031 χ^2/NDF: 2481719.2/22

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.023+/-0.030 χ^2/NDF: 11298805.5/43

All: 179.540+/-0.020 χ^2/NDF: 25225278.3/89

- sign 166.400+/-0.027 χ^2/NDF: 13373141.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

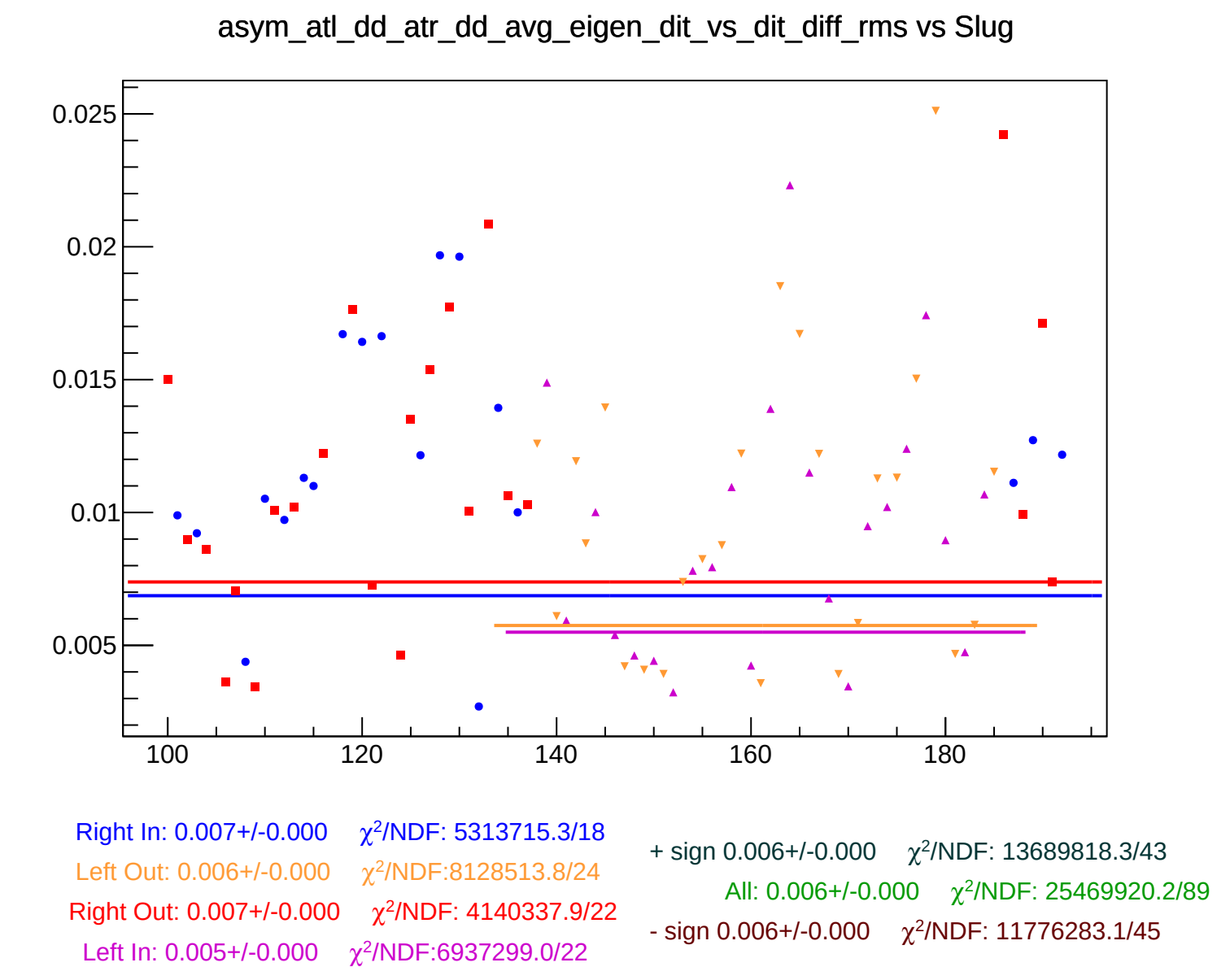
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/22

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

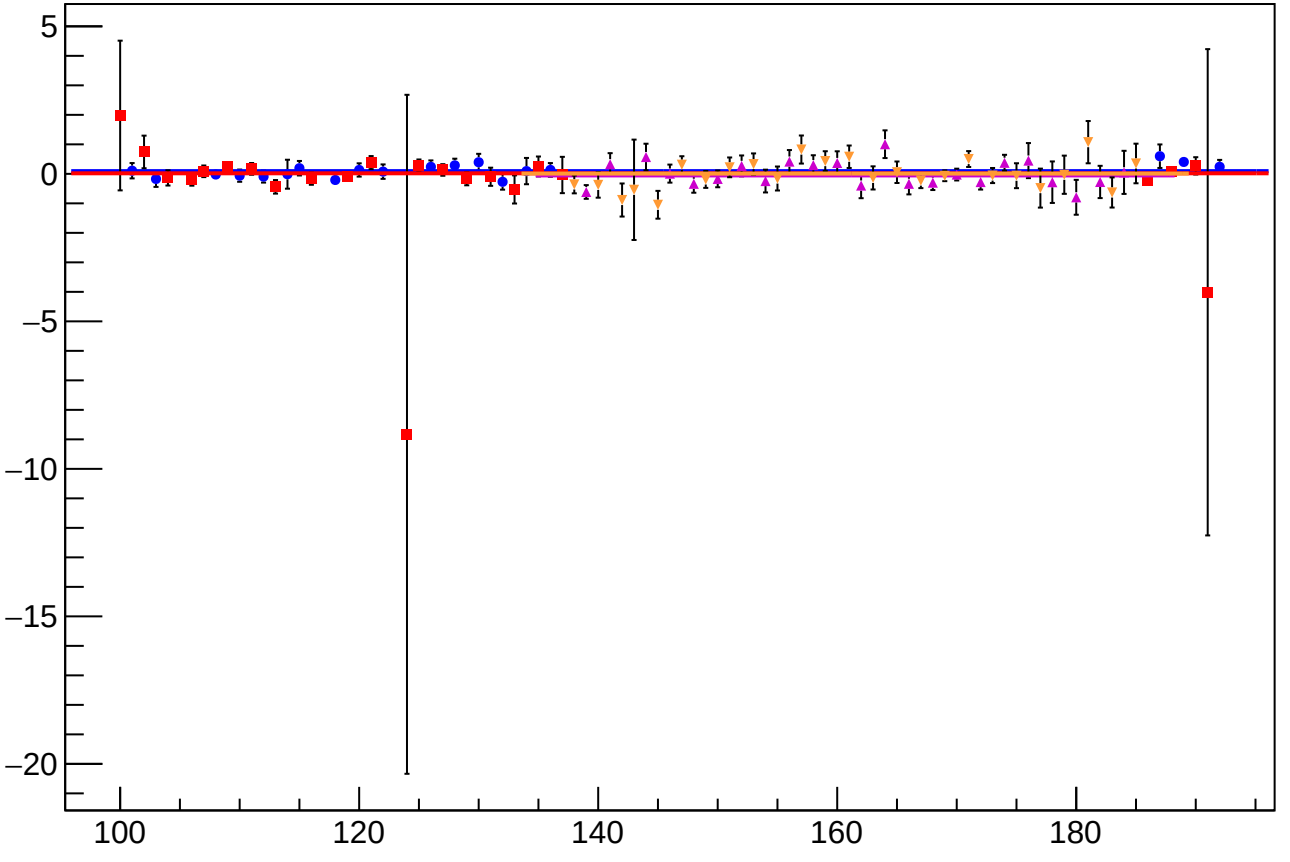
+ sign 0.000+/-0.000 χ^2/NDF: 59.2/43

All: 0.000+/-0.000 χ^2/NDF: 116.1/89

- sign -0.000+/-0.000 χ^2/NDF: 54.9/45


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
Right In: 0.007+/-0.000 χ²/NDF: 5313715.3/18
Left Out: 0.006+/-0.000 χ²/NDF:8128513.8/24
Right Out: 0.007+/-0.000 χ²/NDF: 4140337.9/22
Left In: 0.005+/-0.000 χ²/NDF:6937299.0/22
+ sign 0.006+/-0.000 χ²/NDF: 13689818.3/43
All: 0.006+/-0.000 χ²/NDF: 25469920.2/89
- sign 0.006+/-0.000 χ²/NDF: 11776283.1/45

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



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

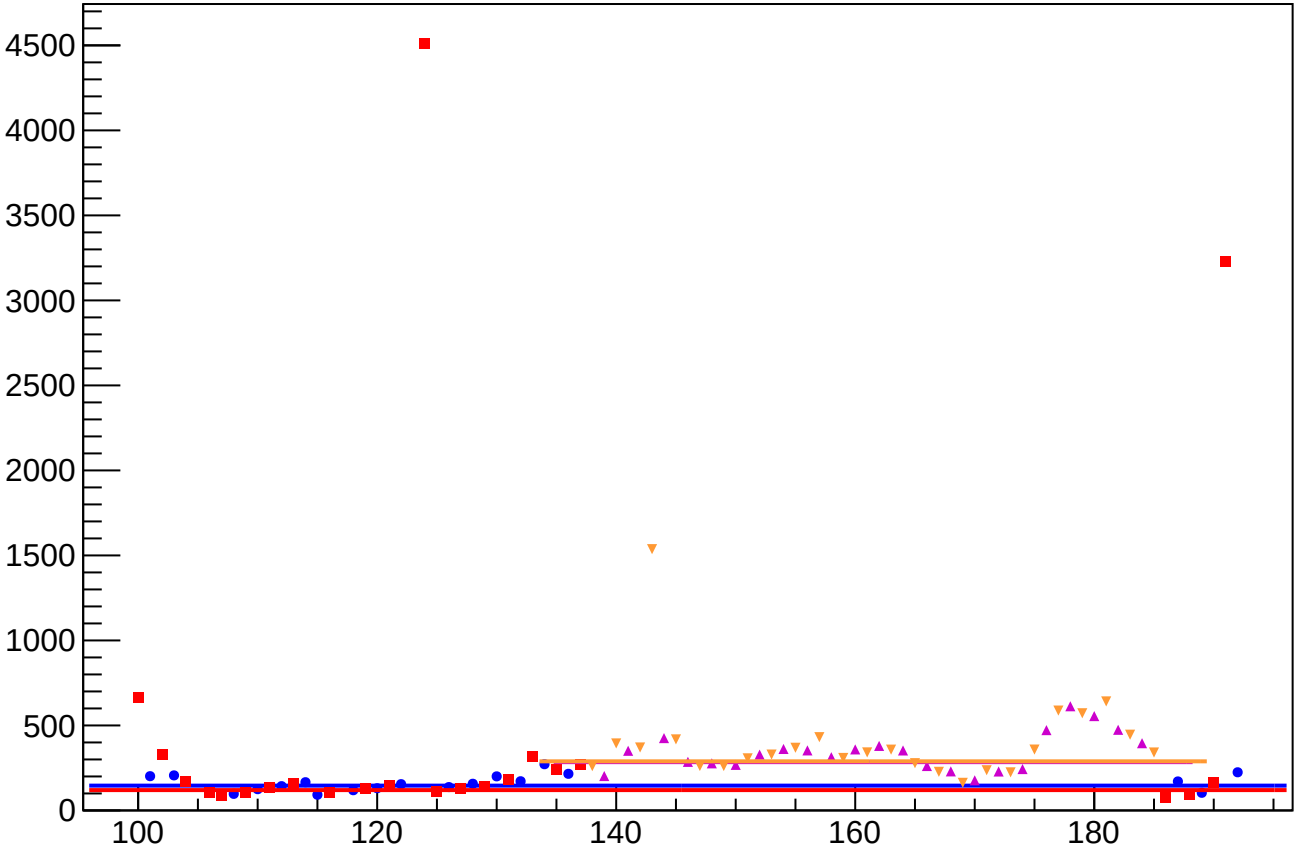
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.027+/-0.028 χ^2/NDF: 102.3/89

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

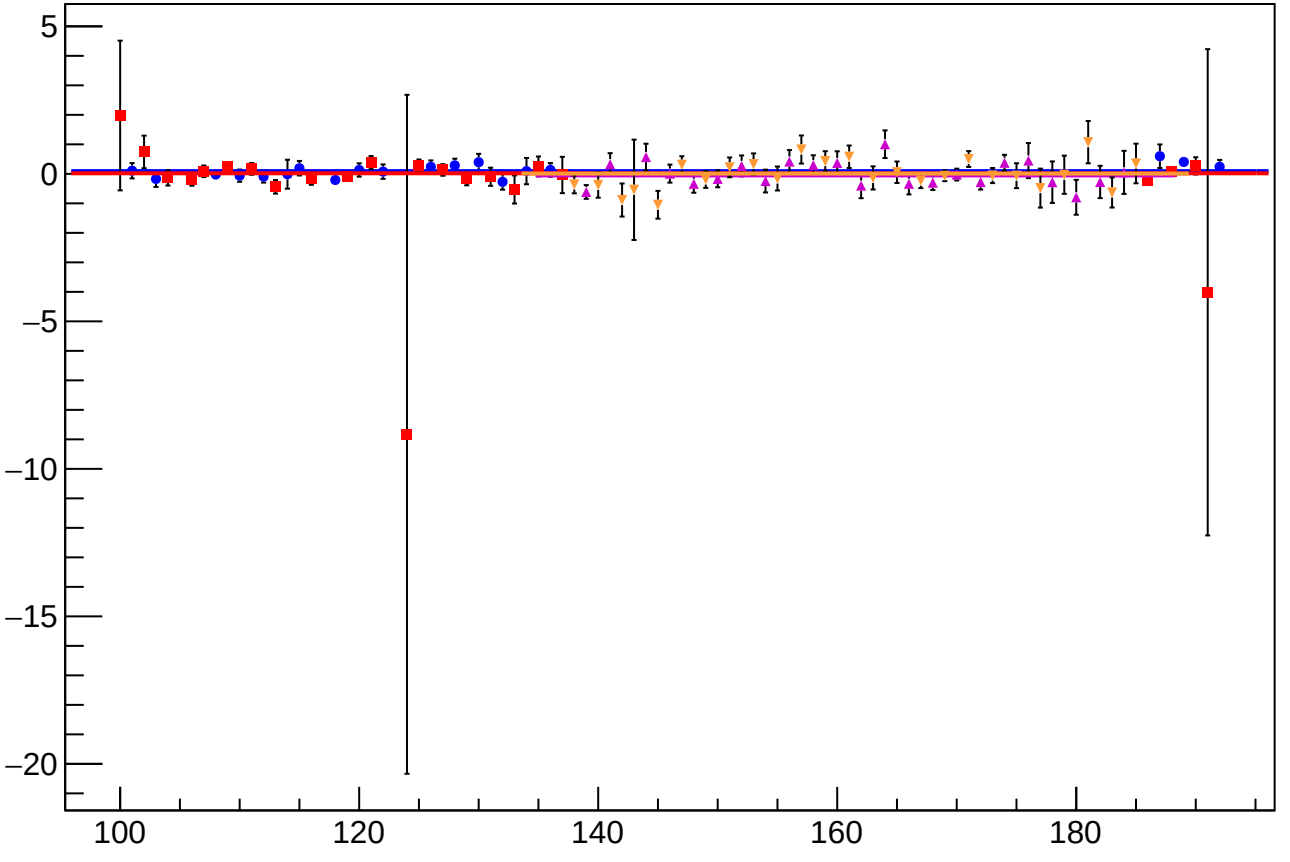
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.022+/-0.030 χ^2/NDF: 11299012.6/43

All: 179.541+/-0.020 χ^2/NDF: 25225204.0/89

- sign 166.402+/-0.027 χ^2/NDF: 13372962.0/45

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

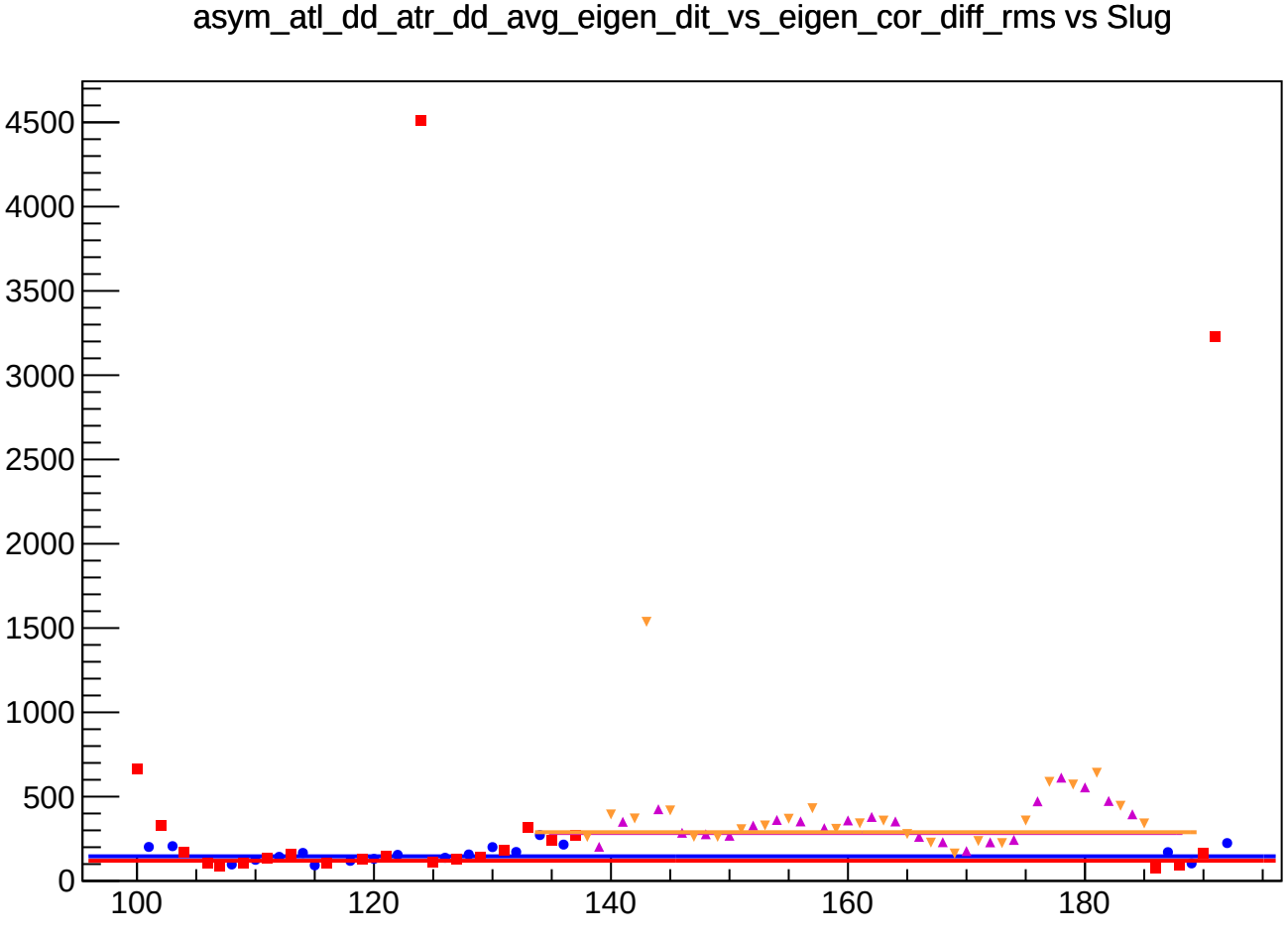
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

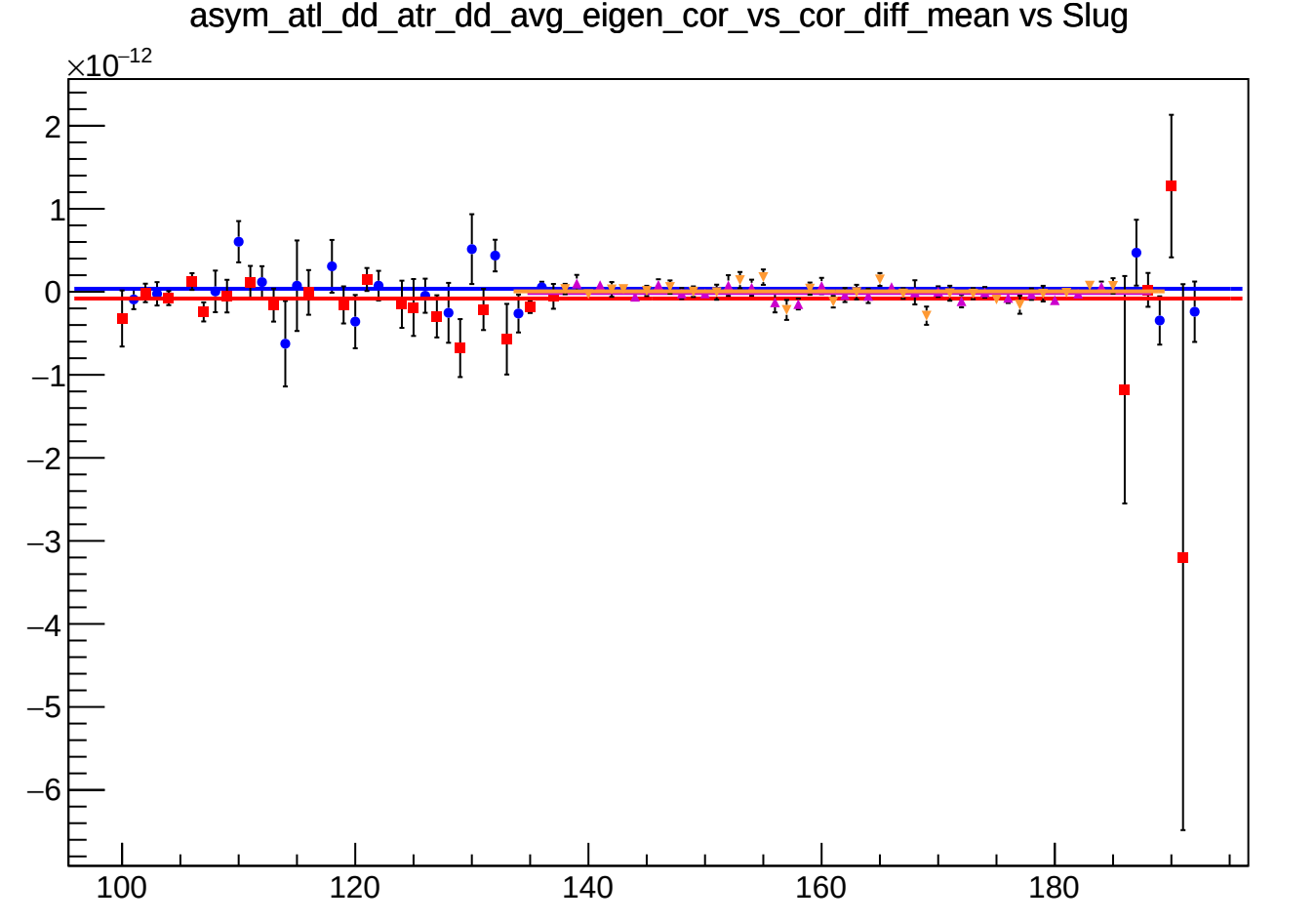
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.027+/-0.028 χ^2/NDF: 102.3/89

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
Right In: 146.020+/-0.037 χ²/NDF: 1386330.7/18
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 119.727+/-0.031 χ²/NDF: 2481570.6/22
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 196.022+/-0.030 χ²/NDF: 11299012.6/43
All: 179.541+/-0.020 χ²/NDF: 25225204.0/89
- sign 166.402+/-0.027 χ²/NDF: 13372962.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

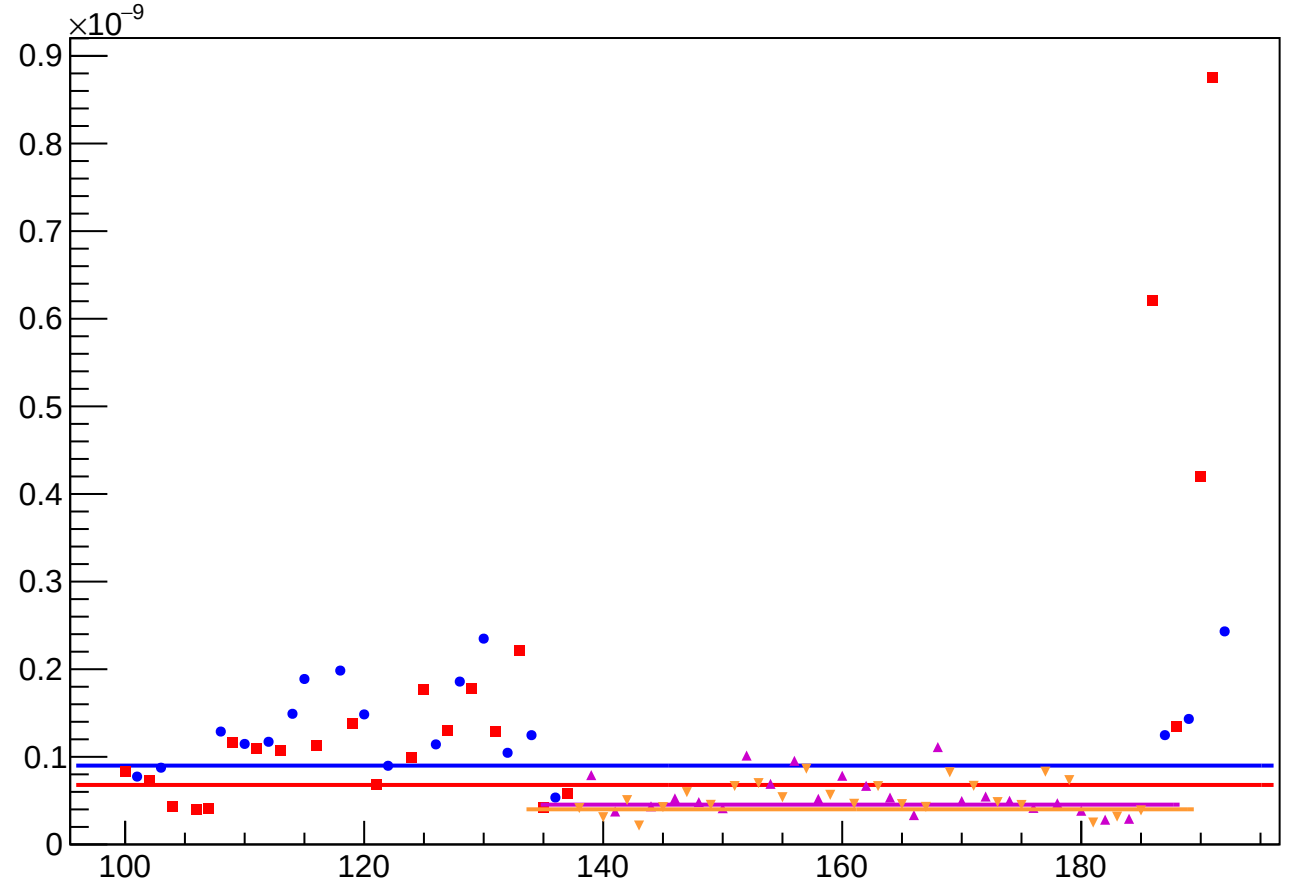
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/22

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.2/43

All: -0.000+/-0.000 χ^2/NDF: 109.7/89

- sign -0.000+/-0.000 χ^2/NDF: 49.1/45



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

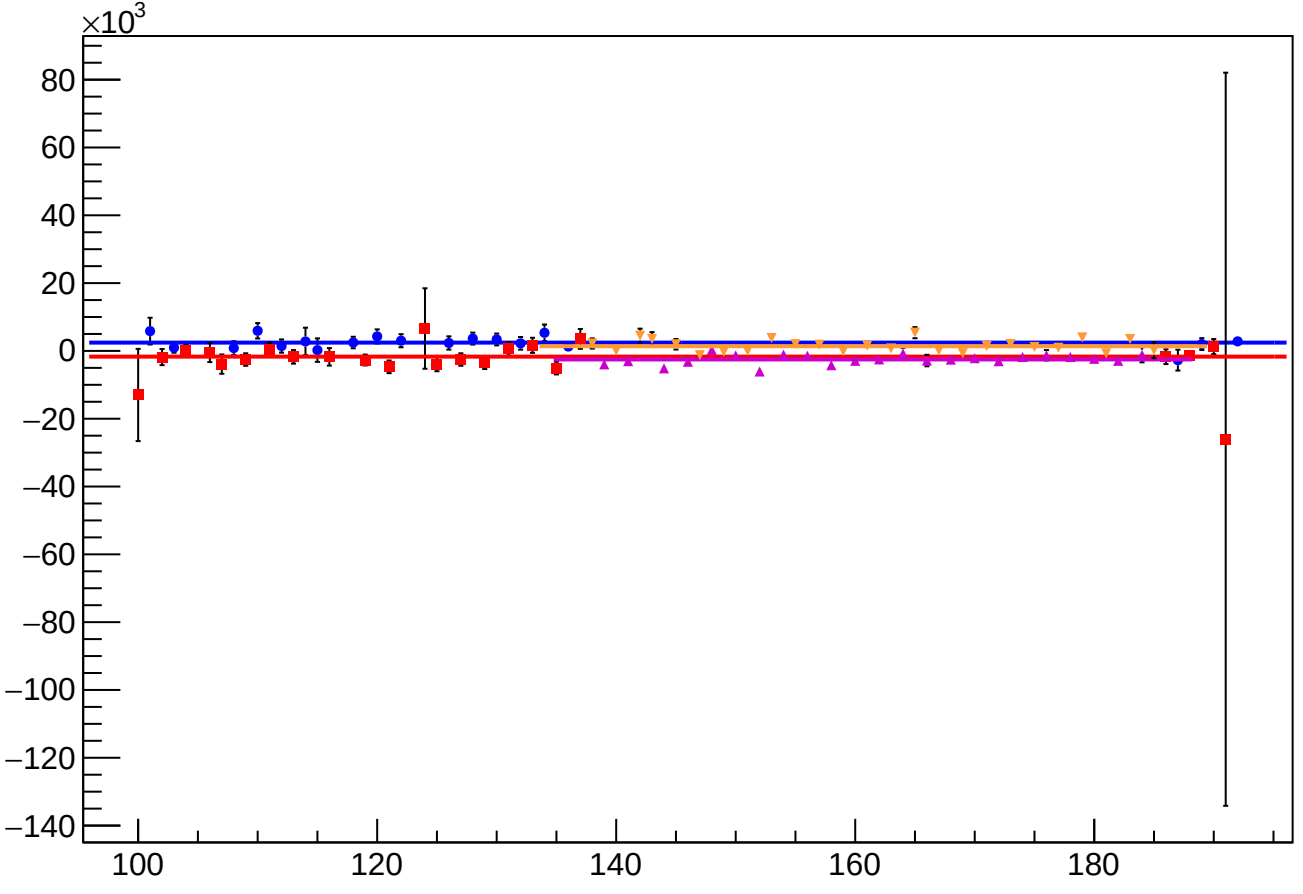
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8254510.5/43

All: 0.000+/-0.000 χ^2/NDF: 15104264.4/89

- sign 0.000+/-0.000 χ^2/NDF: 6712975.9/45

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



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

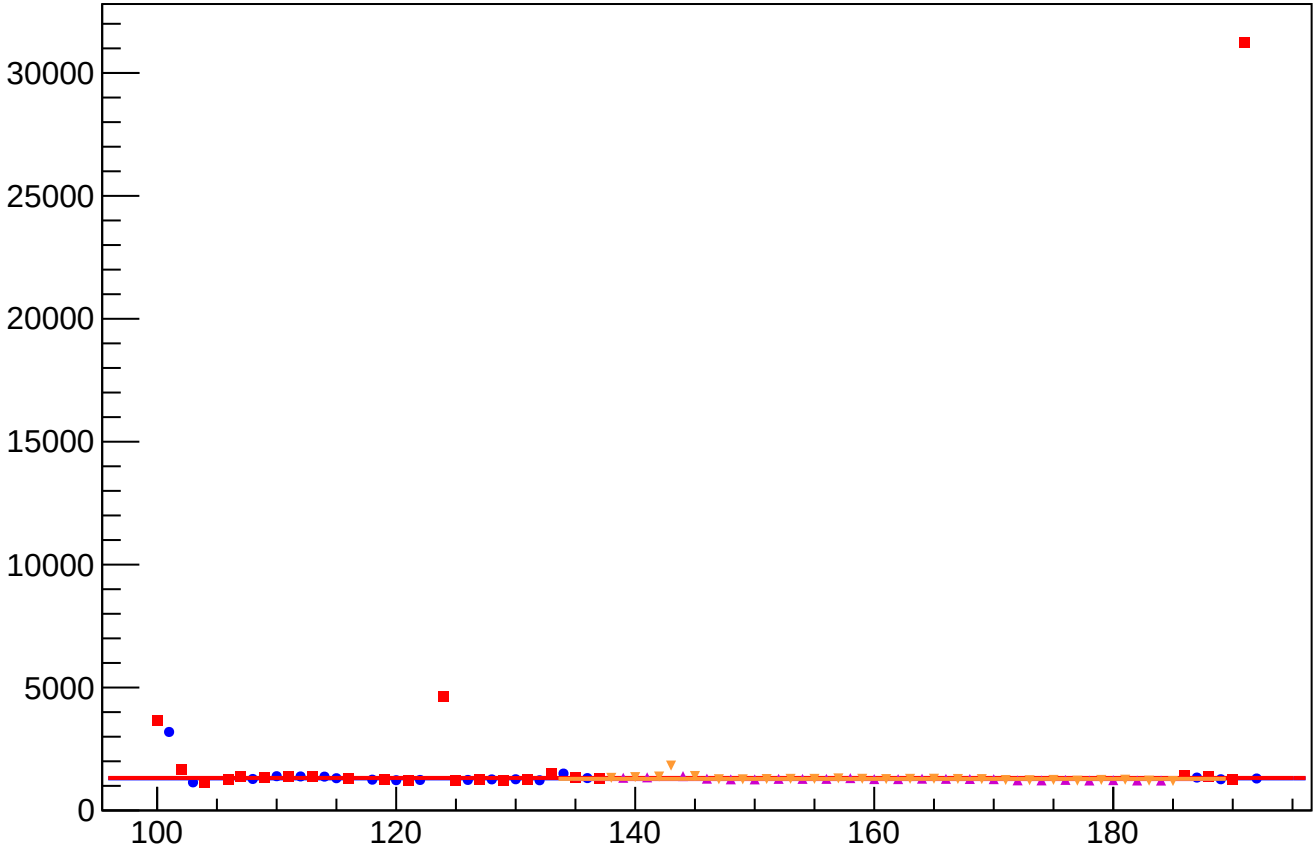
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1707.138+/-244.331 χ^2/NDF: 49.0/43

All: -248.573+/-174.030 χ^2/NDF: 225.5/89

- sign -2262.482+/-247.940 χ^2/NDF: 46.5/45

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1304.450+/-0.314 χ^2/NDF: 517378.3/18

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

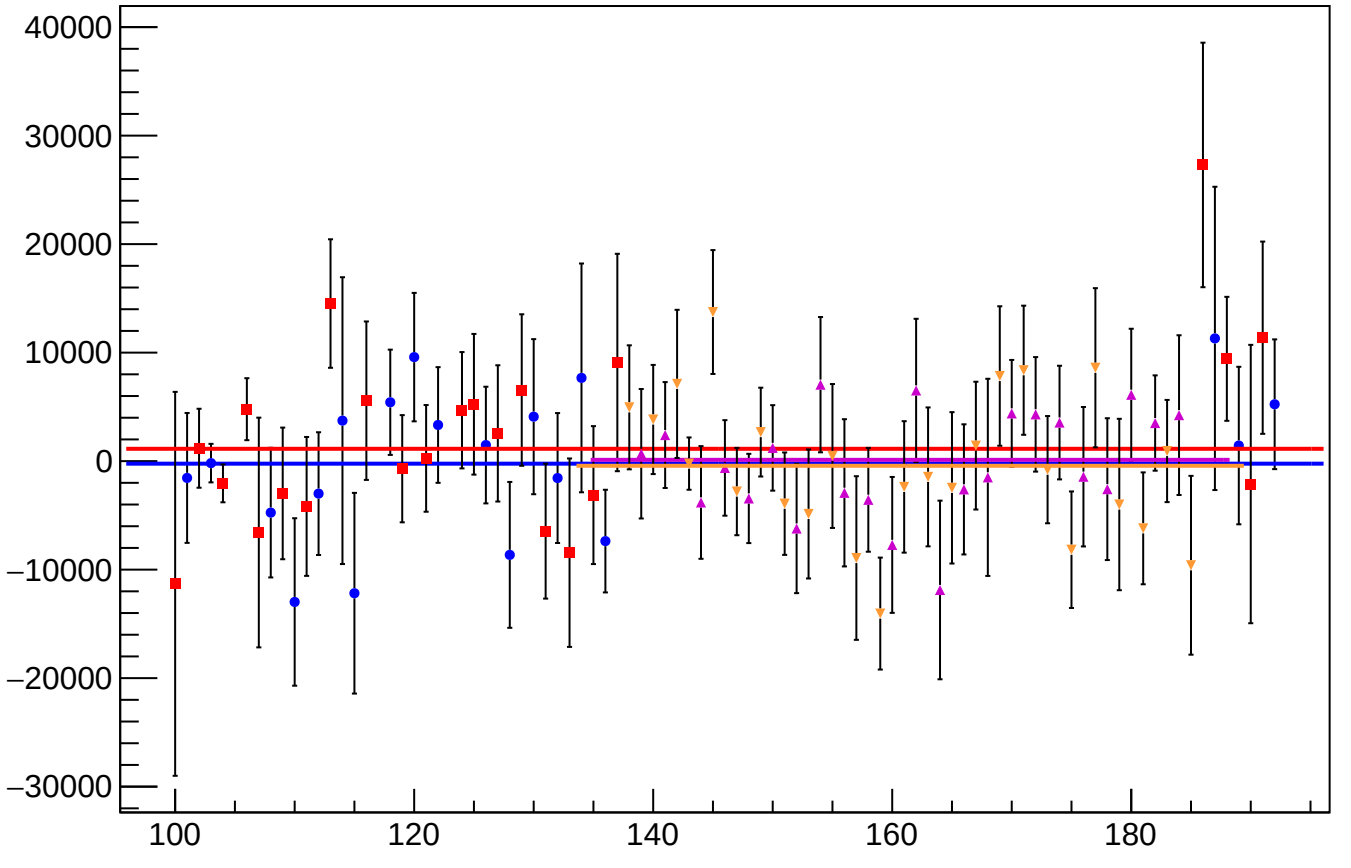
Right Out: 1323.492+/-0.315 χ^2/NDF: 487133.5/22

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.356+/-0.173 χ^2/NDF: 710909.1/43

All: 1291.003+/-0.123 χ^2/NDF: 1255182.6/89

- sign 1290.641+/-0.175 χ^2/NDF: 544265.1/45



Right In: -234.557+/-1150.978 χ^2/NDF: 16.4/18

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

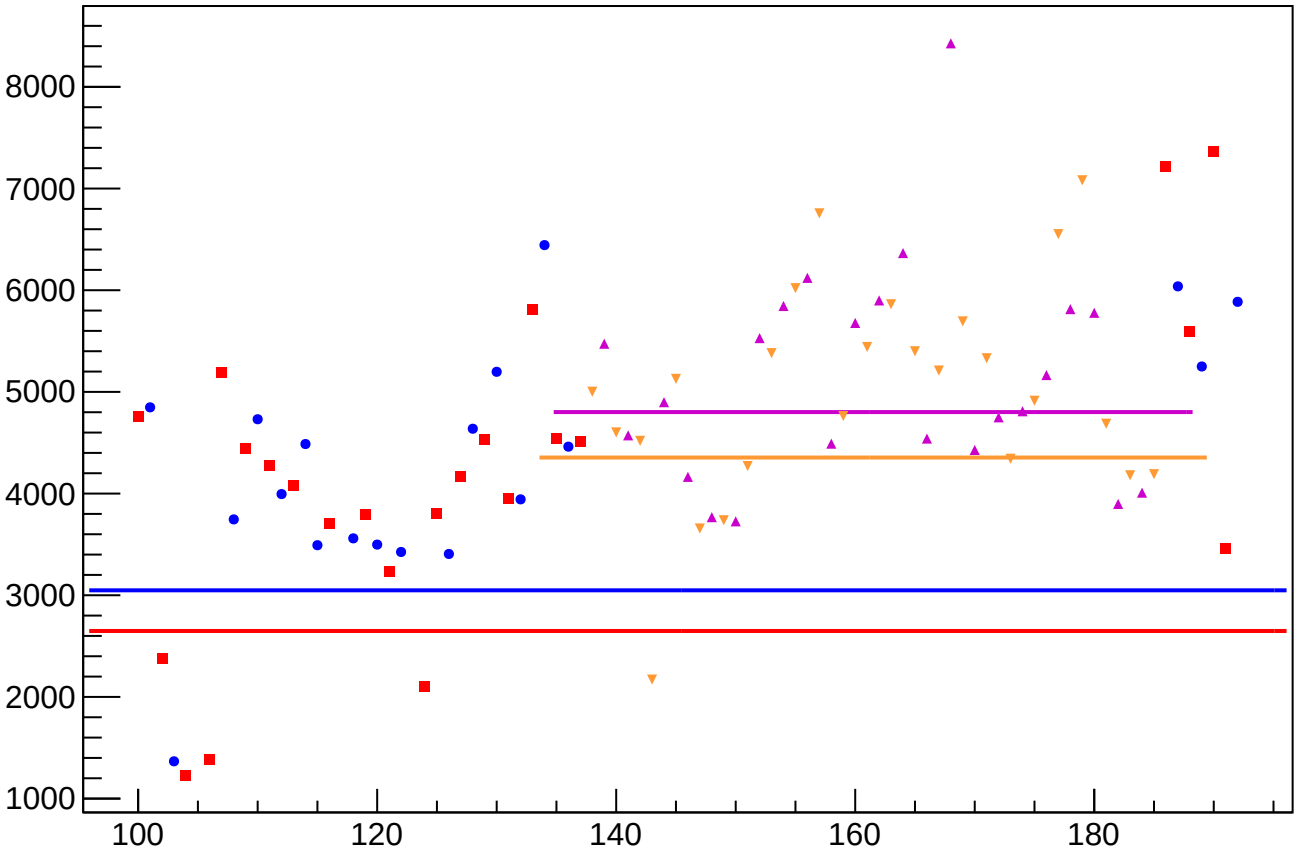
Right Out: 1135.980+/-1023.263 χ^2/NDF: 27.0/22

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -341.525+/-770.849 χ^2/NDF: 46.2/43

All: 176.774+/-542.236 χ^2/NDF: 88.1/89

- sign 684.424+/-762.889 χ^2/NDF: 41.0/45



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

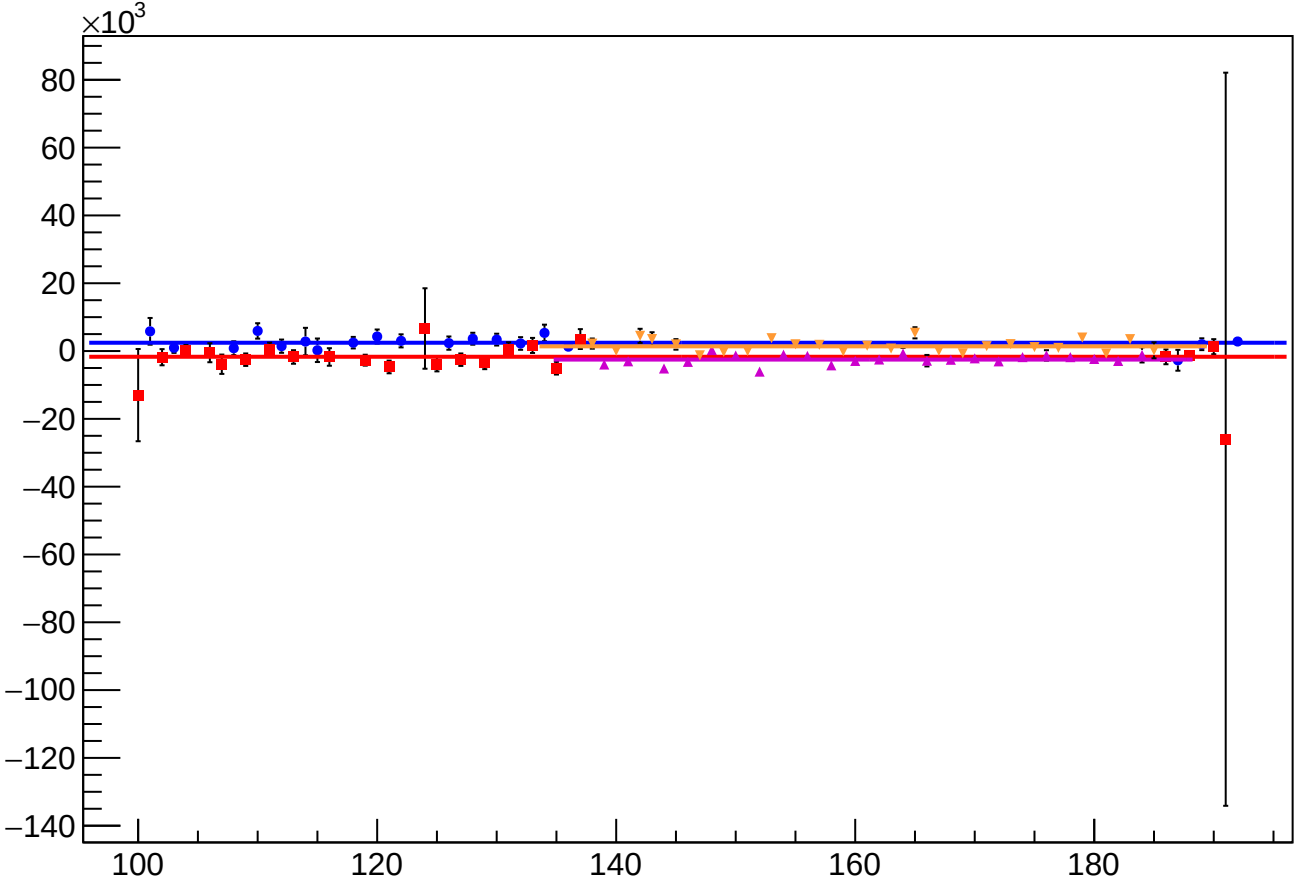
Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3768.713+/-0.545 χ^2/NDF: 8175315.1/43

All: 3685.930+/-0.383 χ^2/NDF: 17948833.9/8

- sign 3604.847+/-0.539 χ^2/NDF: 9727860.1/45

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



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

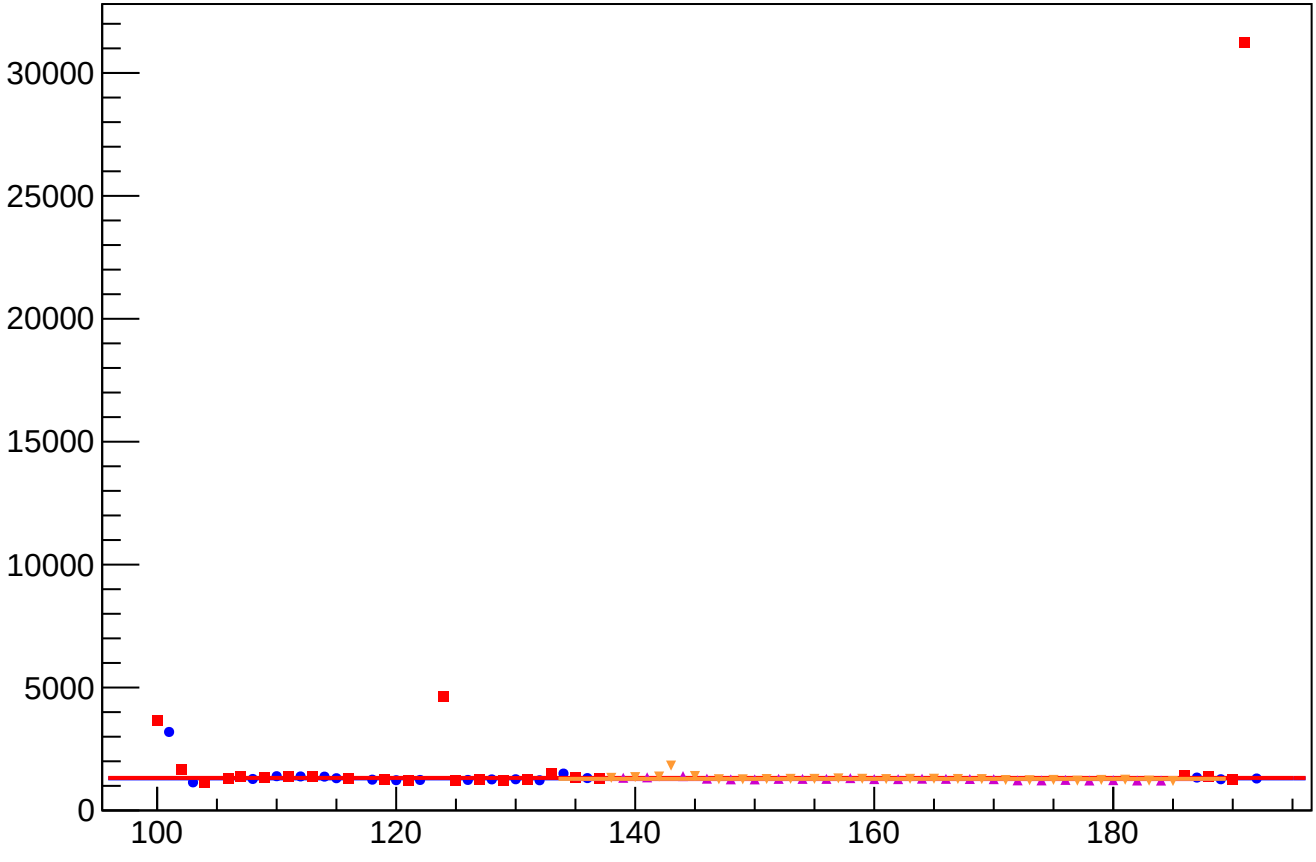
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1707.033+/-244.331 χ^2/NDF: 49.0/43

All: -248.592+/-174.030 χ^2/NDF: 225.5/89

- sign -2262.414+/-247.940 χ^2/NDF: 46.5/45

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1304.449+/-0.314 χ^2/NDF: 517379.9/18

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

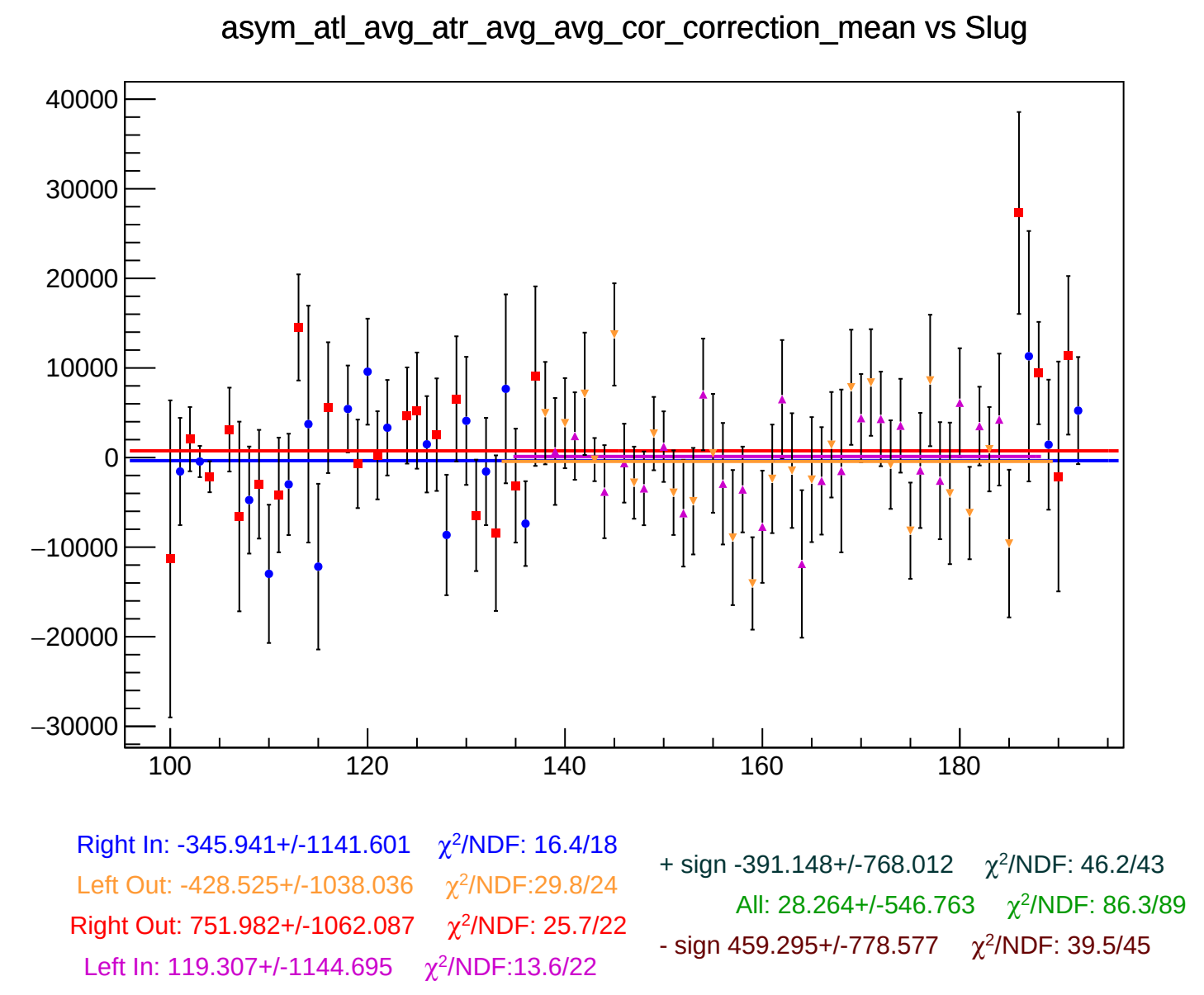
Right Out: 1324.423+/-0.315 χ^2/NDF: 486502.4/22

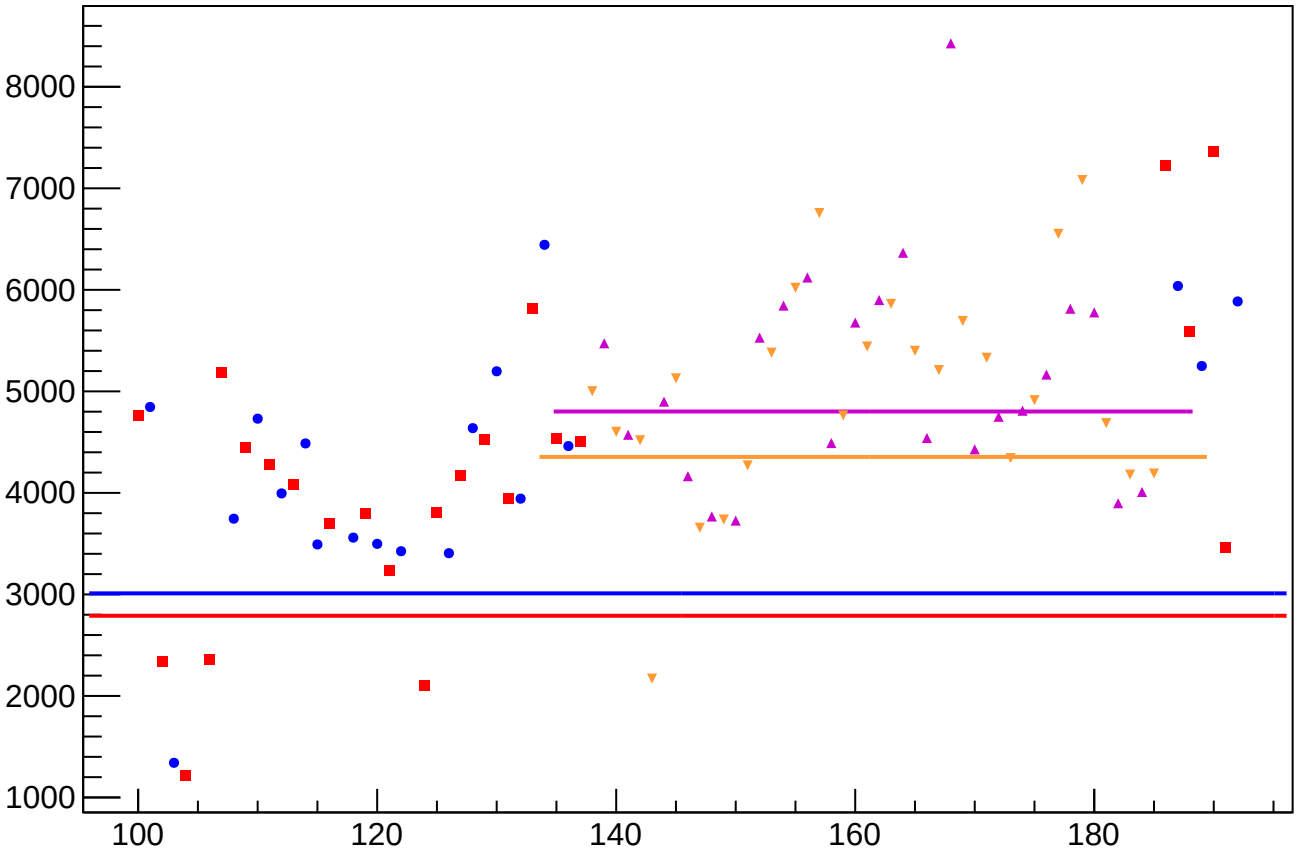
Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.356+/-0.173 χ^2/NDF: 710910.5/43

All: 1291.139+/-0.123 χ^2/NDF: 1255155.0/89

- sign 1290.915+/-0.175 χ^2/NDF: 544241.3/45


asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
Right In: -345.941+/-1141.601 χ²/NDF: 16.4/18
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: 751.982+/-1062.087 χ²/NDF: 25.7/22
Left In: 119.307+/-1144.695 χ²/NDF:13.6/22
+ sign -391.148+/-768.012 χ²/NDF: 46.2/43
All: 28.264+/-546.763 χ²/NDF: 86.3/89
- sign 459.295+/-778.577 χ²/NDF: 39.5/45



Right In: 3010.369+/-0.807 χ^2/NDF: 3808094.0/18

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

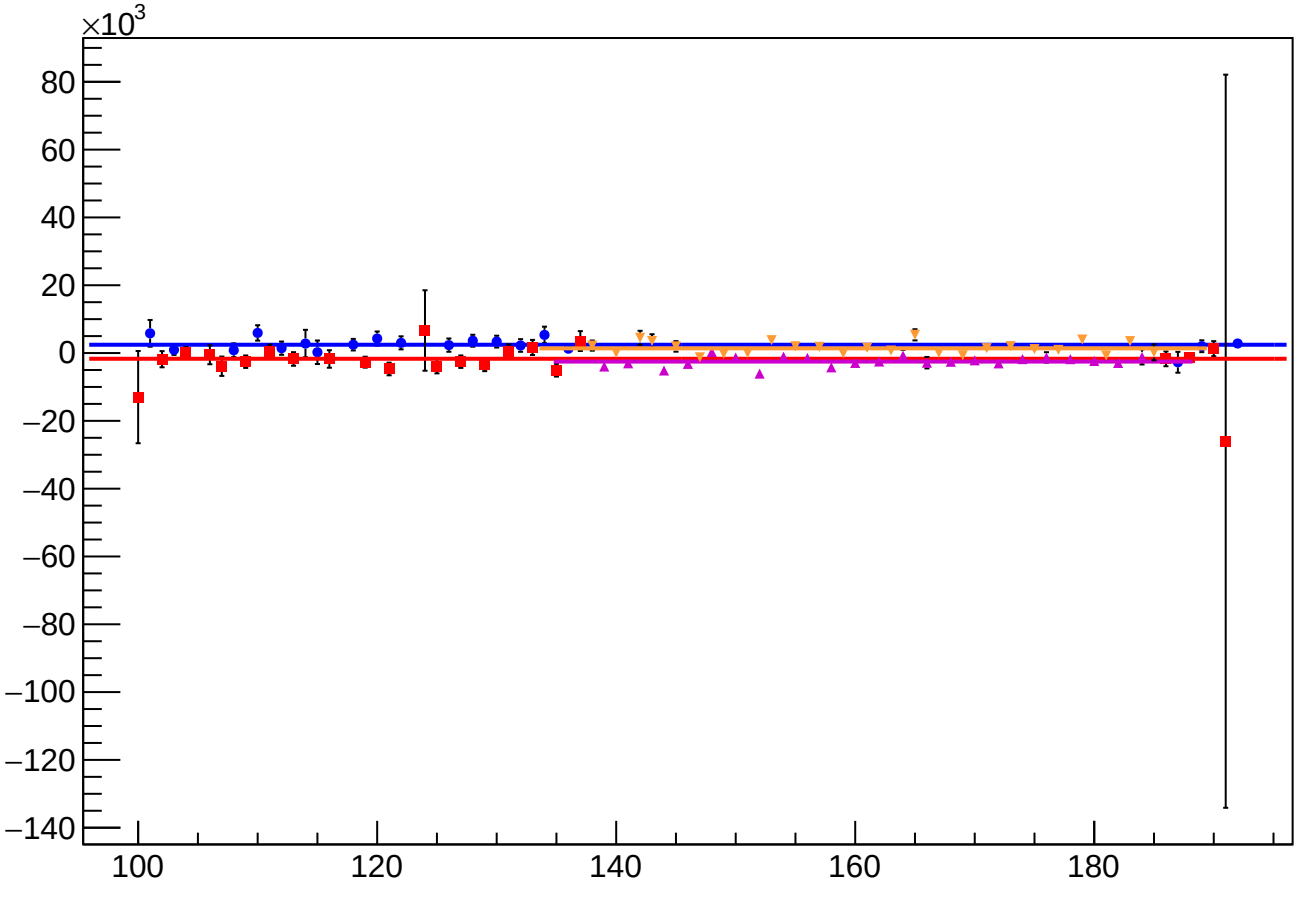
Right Out: 2789.891+/-0.751 χ^2/NDF: 4195619.2/22

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3746.163+/-0.543 χ^2/NDF: 8397380.2/43

All: 3733.522+/-0.387 χ^2/NDF: 17145325.5/8

- sign 3720.531+/-0.551 χ^2/NDF: 8746846.7/45



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

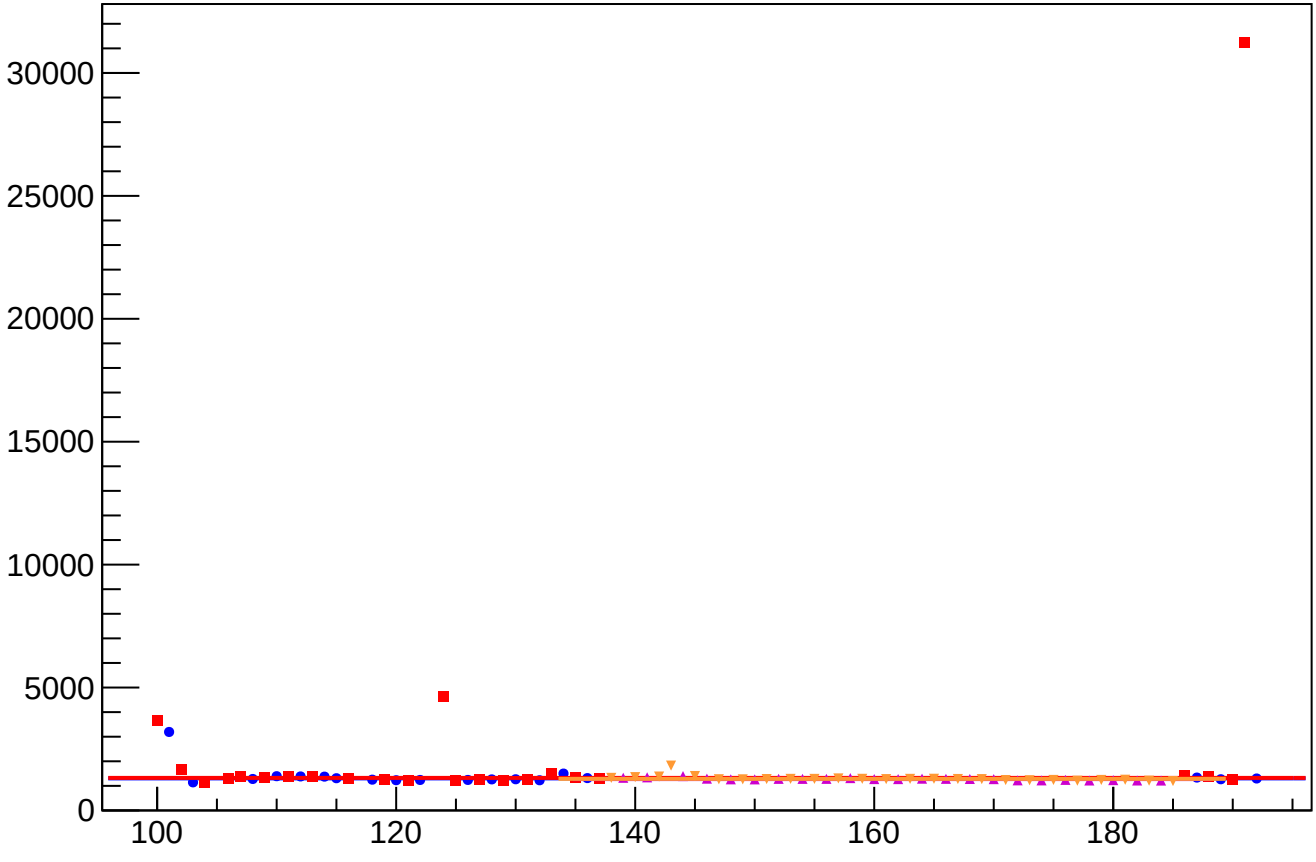
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1707.033+/-244.331 χ^2/NDF: 49.0/43

All: -248.592+/-174.030 χ^2/NDF: 225.5/89

- sign -2262.414+/-247.940 χ^2/NDF: 46.5/45

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1304.449+/-0.314 χ^2/NDF: 517379.9/18

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

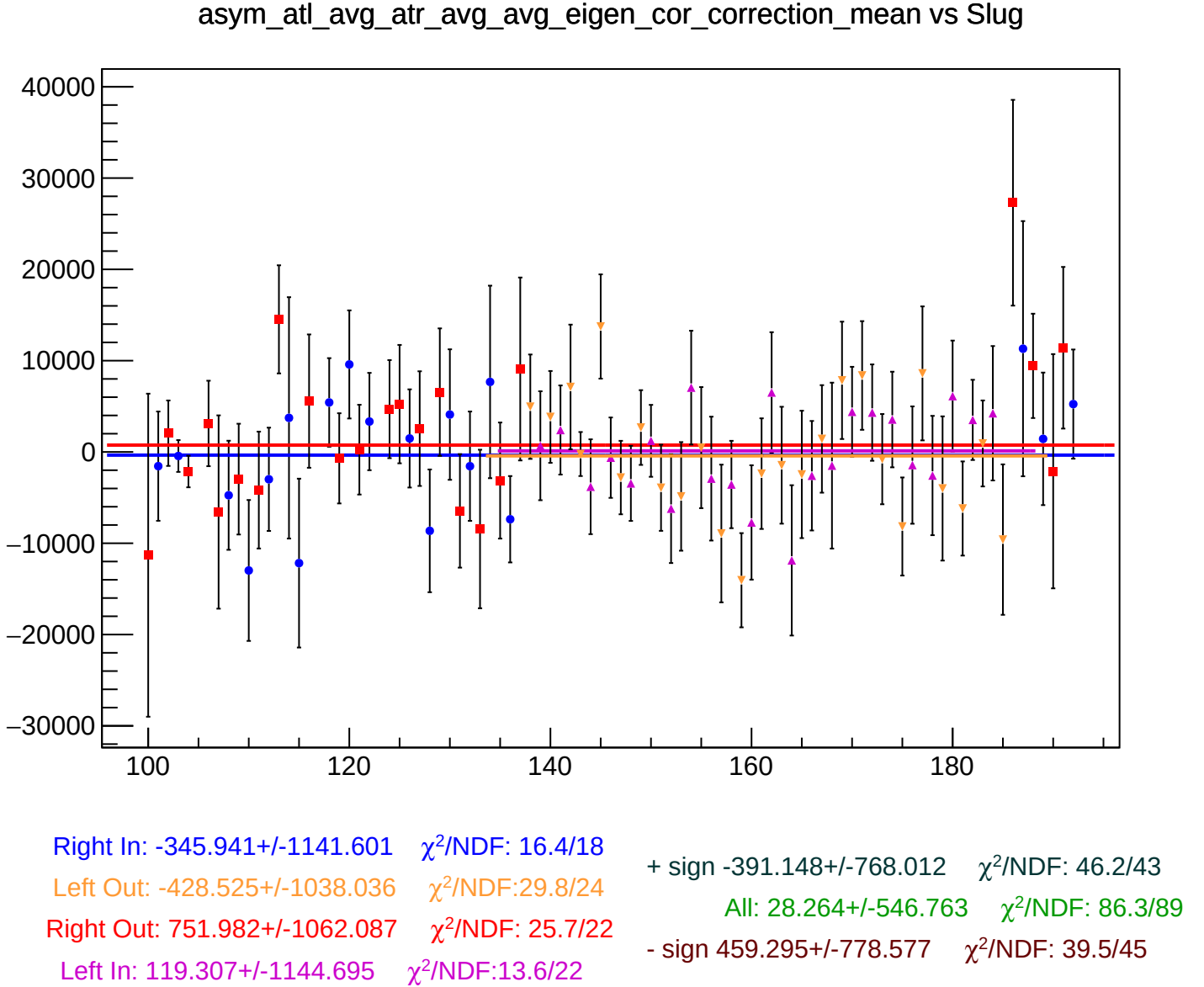
Right Out: 1324.423+/-0.315 χ^2/NDF: 486502.4/22

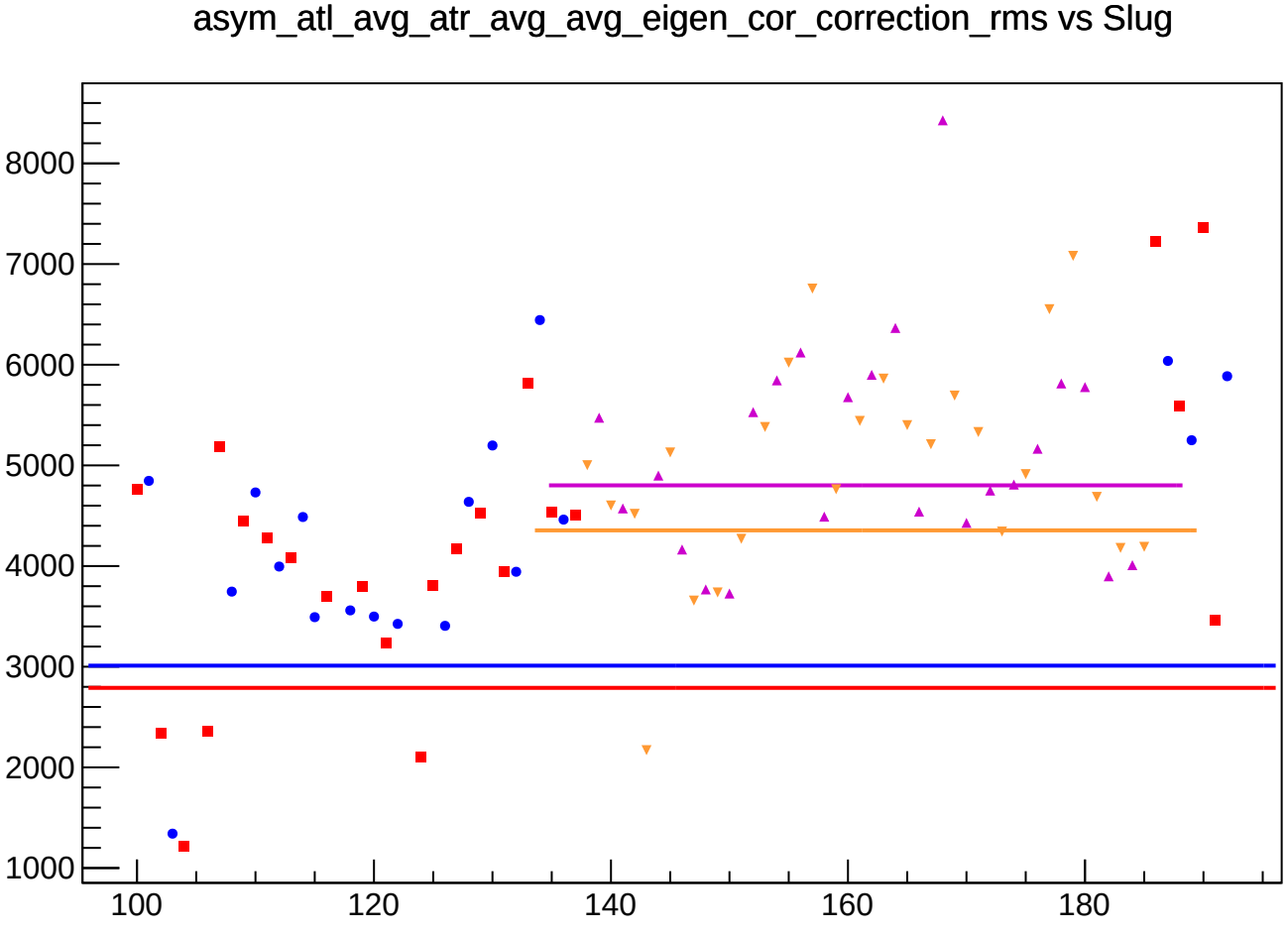
Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.356+/-0.173 χ^2/NDF: 710910.5/43

All: 1291.139+/-0.123 χ^2/NDF: 1255155.0/89

- sign 1290.915+/-0.175 χ^2/NDF: 544241.3/45


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
Right In: -345.941+/-1141.601 χ²/NDF: 16.4/18
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: 751.982+/-1062.087 χ²/NDF: 25.7/22
Left In: 119.307+/-1144.695 χ²/NDF:13.6/22
+ sign -391.148+/-768.012 χ²/NDF: 46.2/43
All: 28.264+/-546.763 χ²/NDF: 86.3/89
- sign 459.295+/-778.577 χ²/NDF: 39.5/45



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

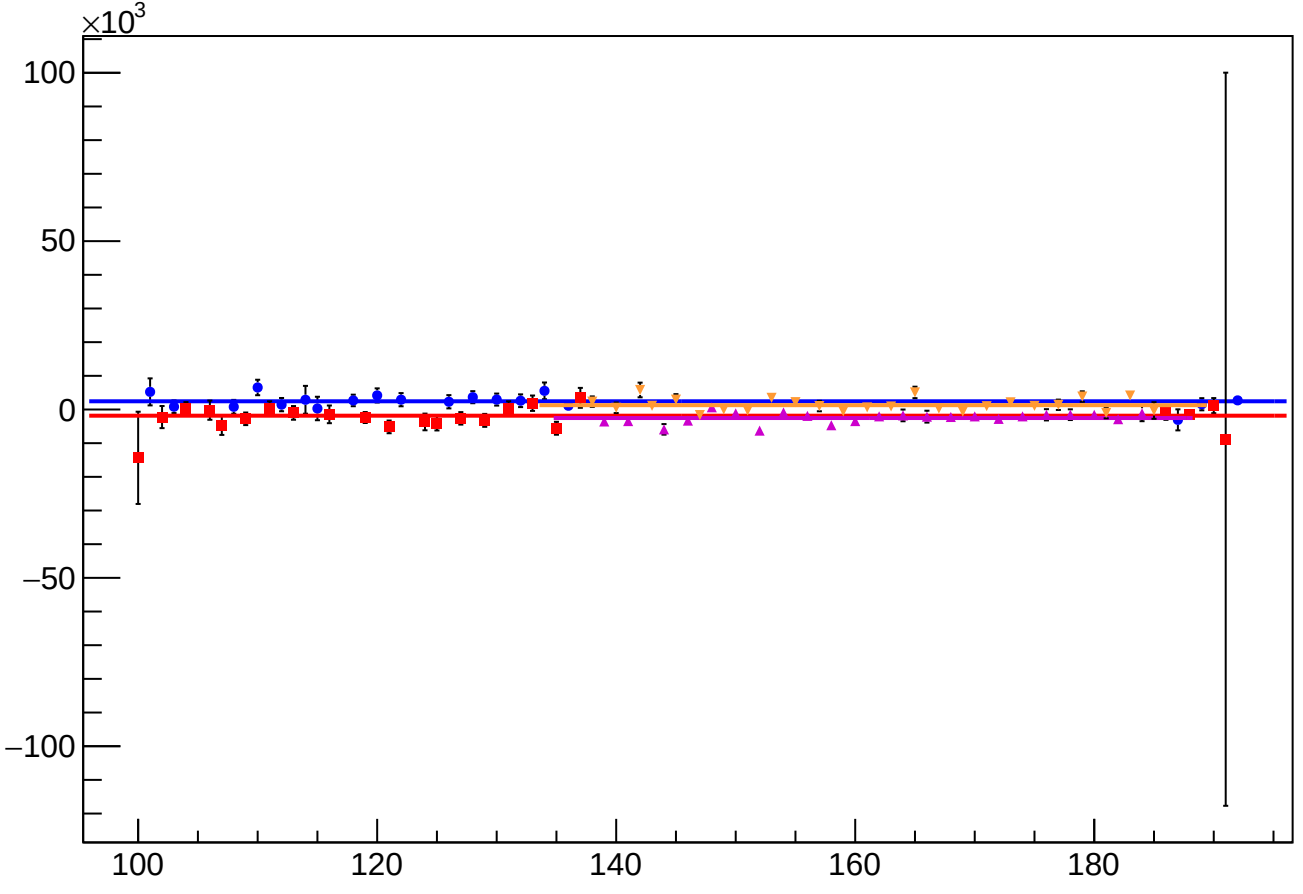
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3746.163+/-0.543 χ^2/NDF: 8397380.2/43

All: 3733.522+/-0.387 χ^2/NDF: 17145325.5/8

- sign 3720.531+/-0.551 χ^2/NDF: 8746846.7/45

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



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

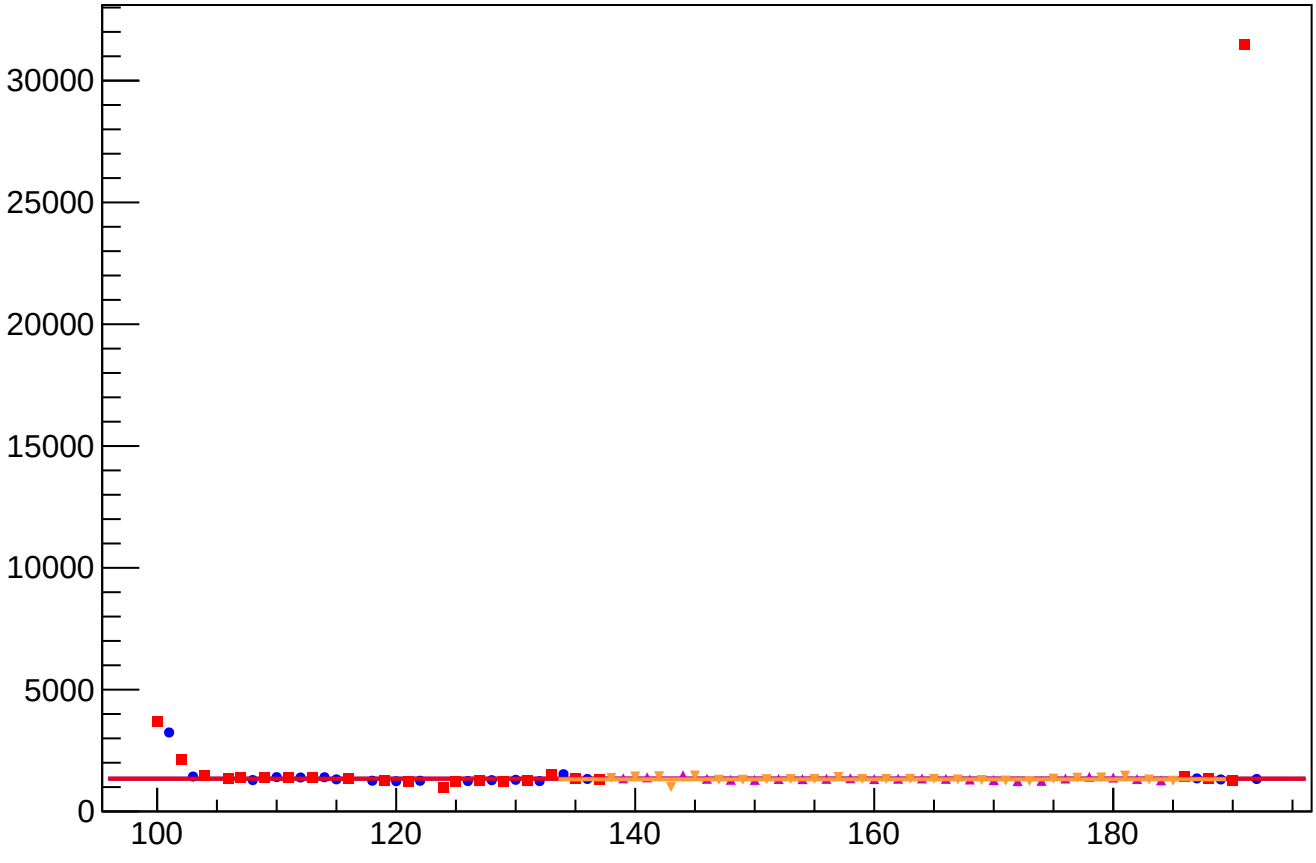
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1633.071+/-251.172 χ^2/NDF: 50.7/43

All: -287.017+/-179.890 χ^2/NDF: 220.5/89

- sign -2309.167+/-257.761 χ^2/NDF: 49.8/45

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



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

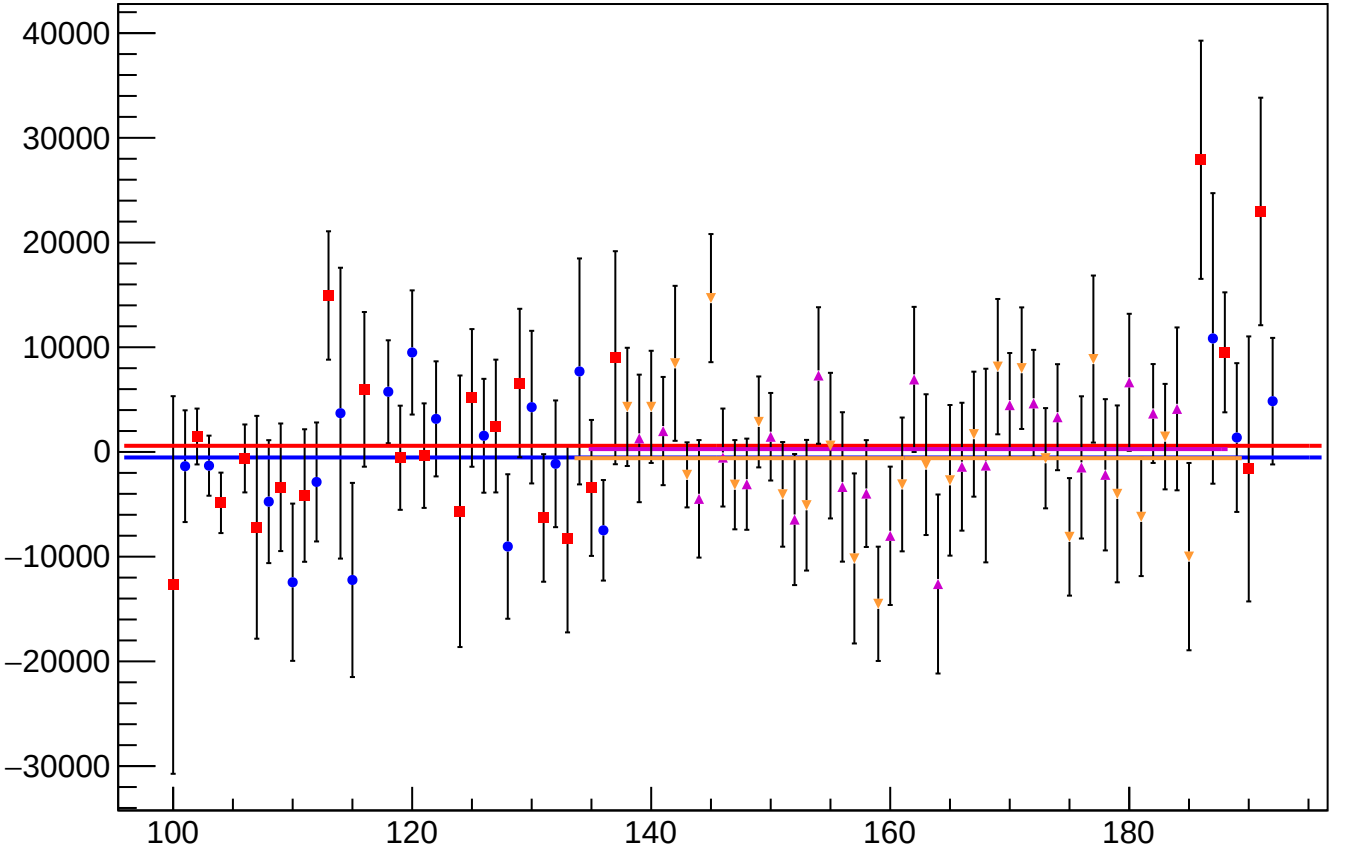
Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1326.564+/-0.178 χ^2/NDF: 748819.9/43

All: 1333.512+/-0.127 χ^2/NDF: 1238552.1/89

- sign 1340.826+/-0.182 χ^2/NDF: 486590.7/45

asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug



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

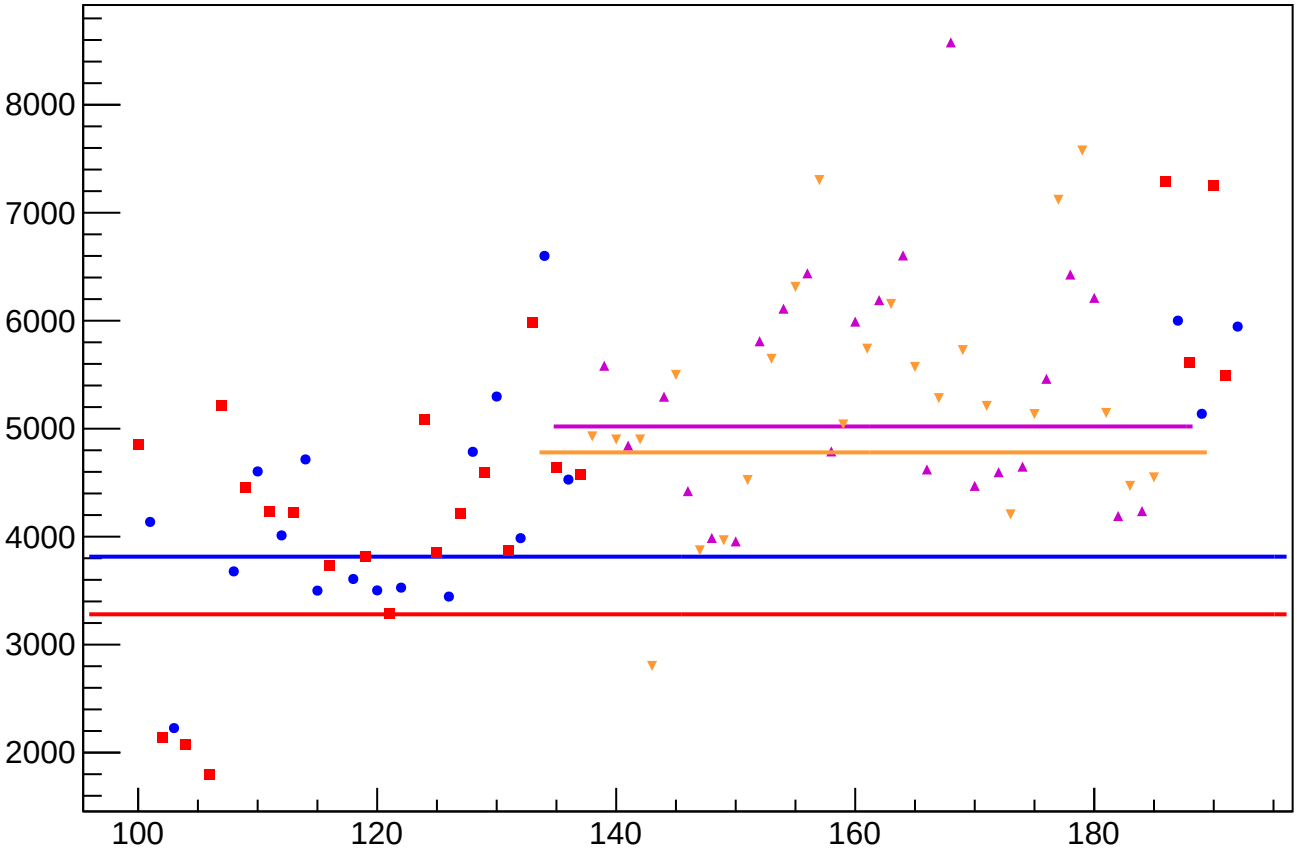
Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -566.244+/-859.610 χ^2/NDF: 45.8/43

All: -49.336+/-598.049 χ^2/NDF: 89.2/89

- sign 435.570+/-832.576 χ^2/NDF: 42.7/45

asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug



Right In: 3814.713+/-0.945 χ^2/NDF: 1348890.3/18

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

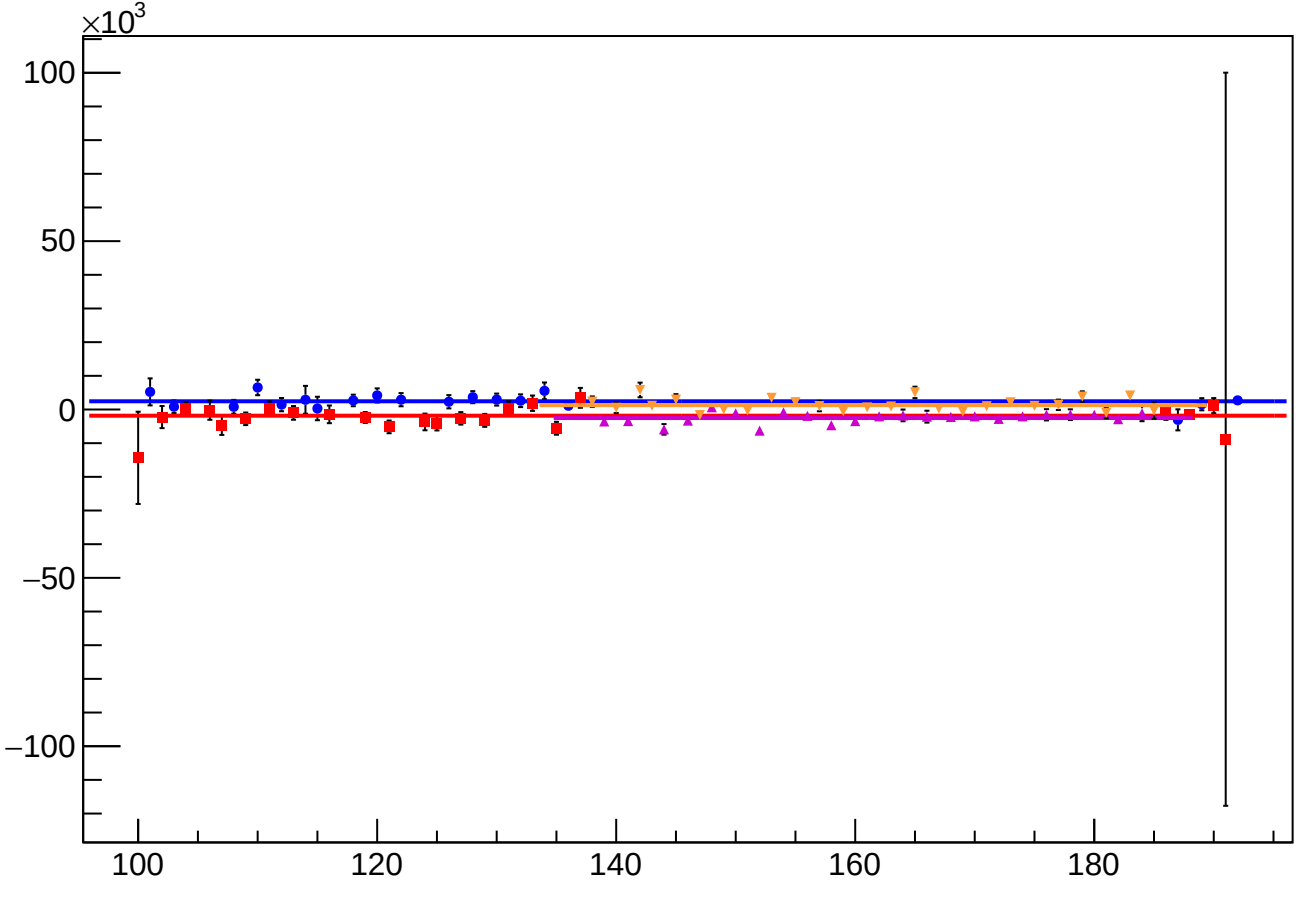
Right Out: 3280.865+/-0.820 χ^2/NDF: 2759094.6/22

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4381.252+/-0.608 χ^2/NDF: 3967184.2/43

All: 4247.894+/-0.423 χ^2/NDF: 10225487.4/8

- sign 4122.792+/-0.589 χ^2/NDF: 6165011.9/45



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

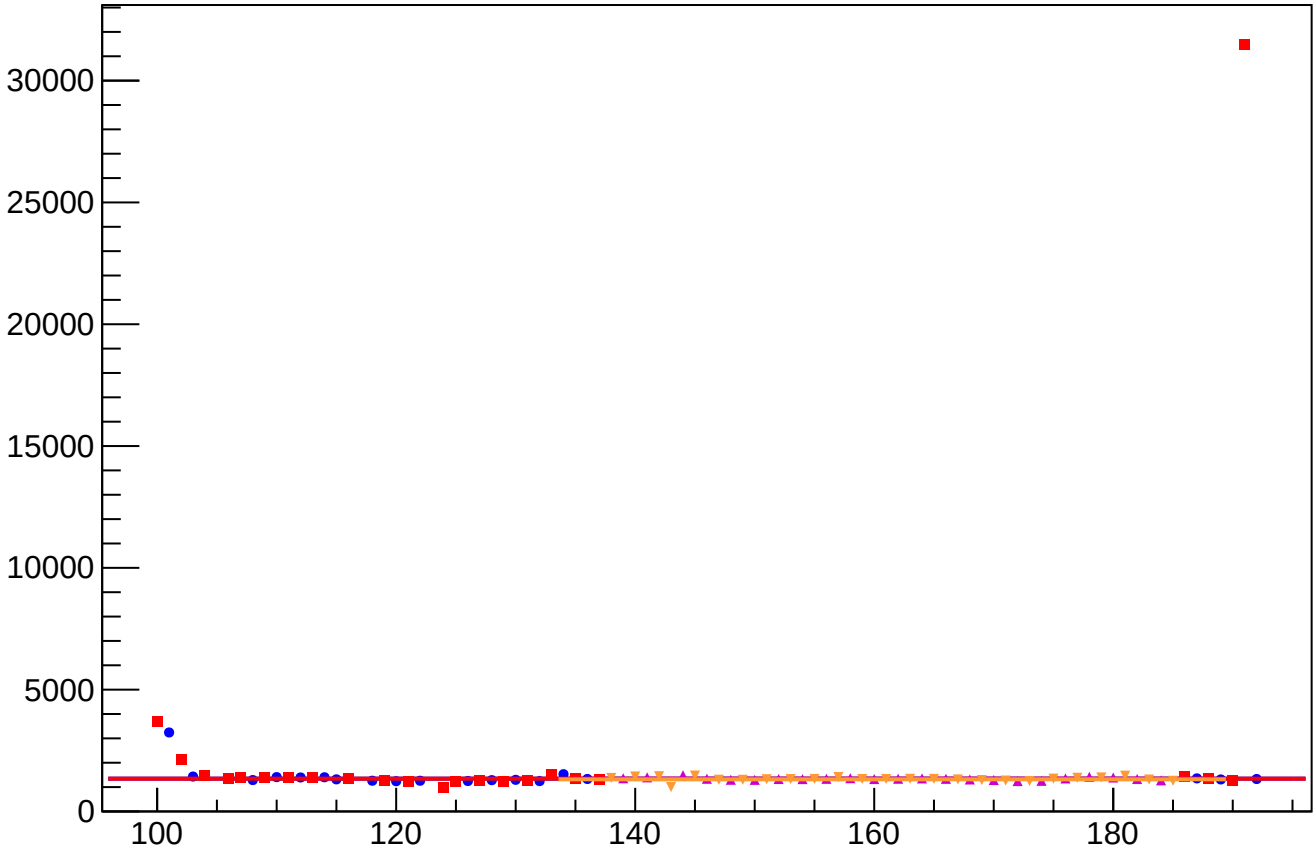
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1633.069+/-251.172 χ^2/NDF: 50.7/43

All: -287.018+/-179.890 χ^2/NDF: 220.5/89

- sign -2309.168+/-257.761 χ^2/NDF: 49.8/45

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1346.000+/-0.323 χ^2/NDF: 495103.1/18

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

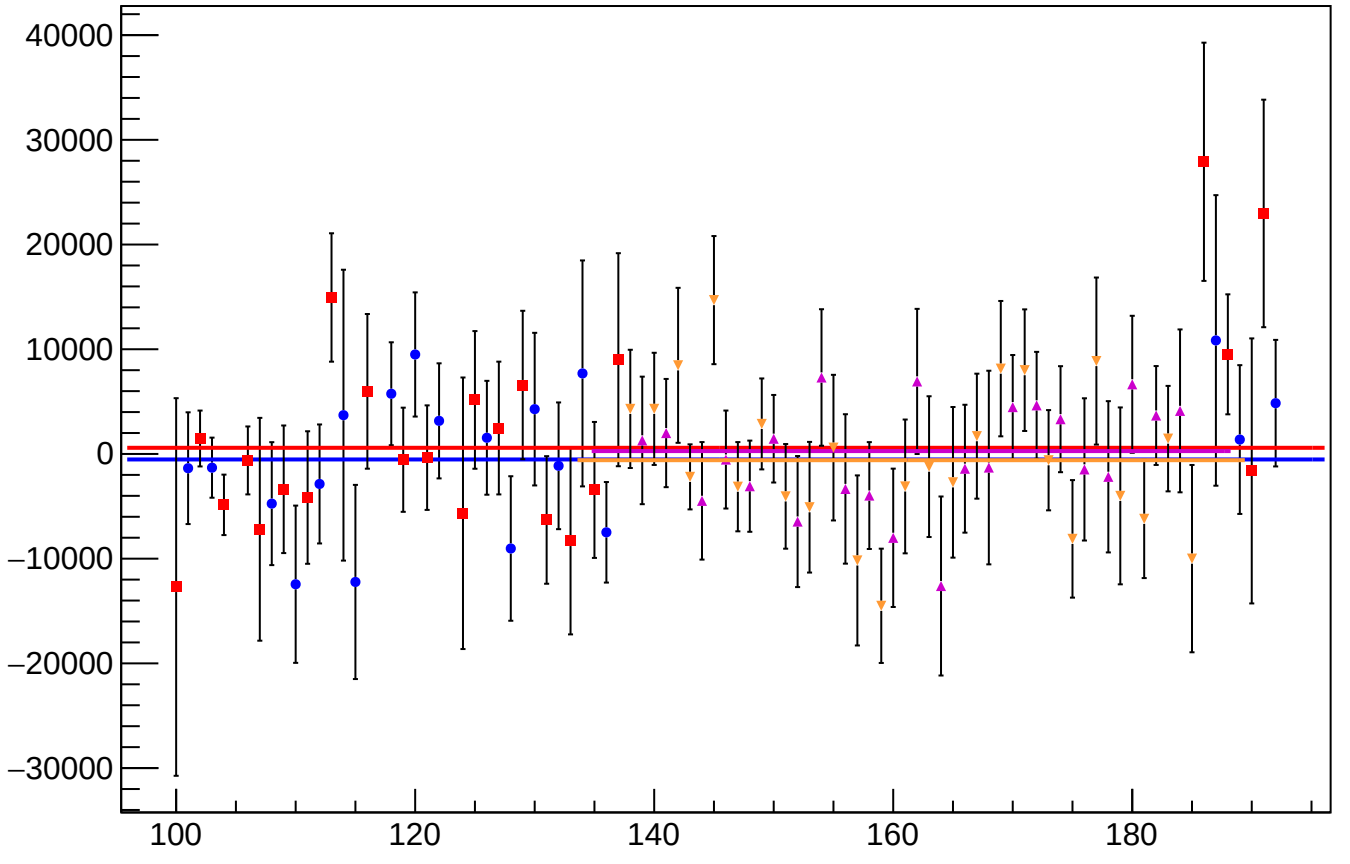
Right Out: 1345.518+/-0.321 χ^2/NDF: 432027.0/22

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1326.565+/-0.178 χ^2/NDF: 748821.9/43

All: 1333.512+/-0.127 χ^2/NDF: 1238555.5/89

- sign 1340.827+/-0.182 χ^2/NDF: 486592.1/45



Right In: -525.541+/-1337.068 χ^2/NDF: 16.2/18

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

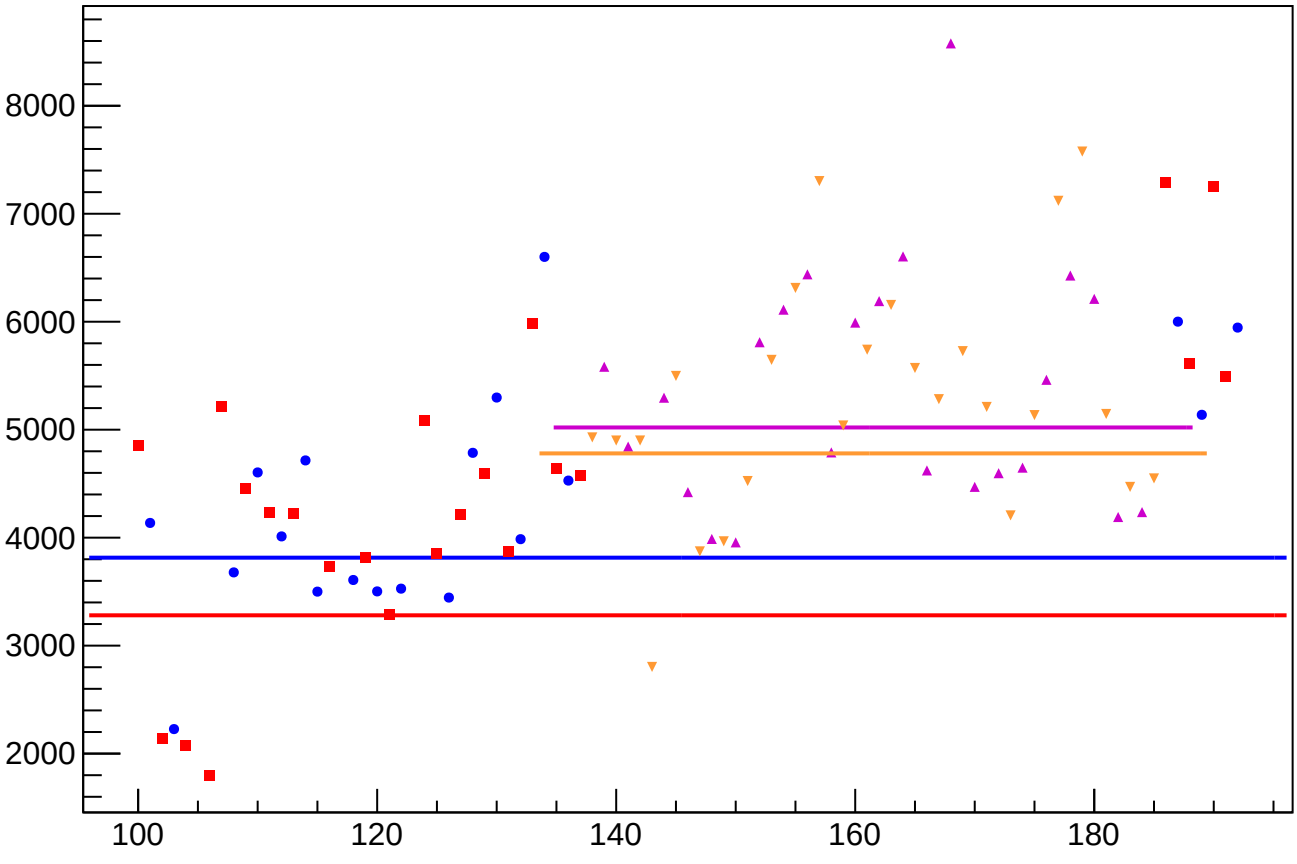
Right Out: 588.101+/-1158.984 χ^2/NDF: 29.3/22

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

\+ sign -566.244+/-859.610 χ^2/NDF: 45.8/43

All: -49.337+/-598.049 χ^2/NDF: 89.2/89

\- sign 435.568+/-832.576 χ^2/NDF: 42.7/45



Right In: 3814.704+/-0.945 χ^2/NDF: 1348898.2/18

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3280.856+/-0.820 χ^2/NDF: 2759103.3/22

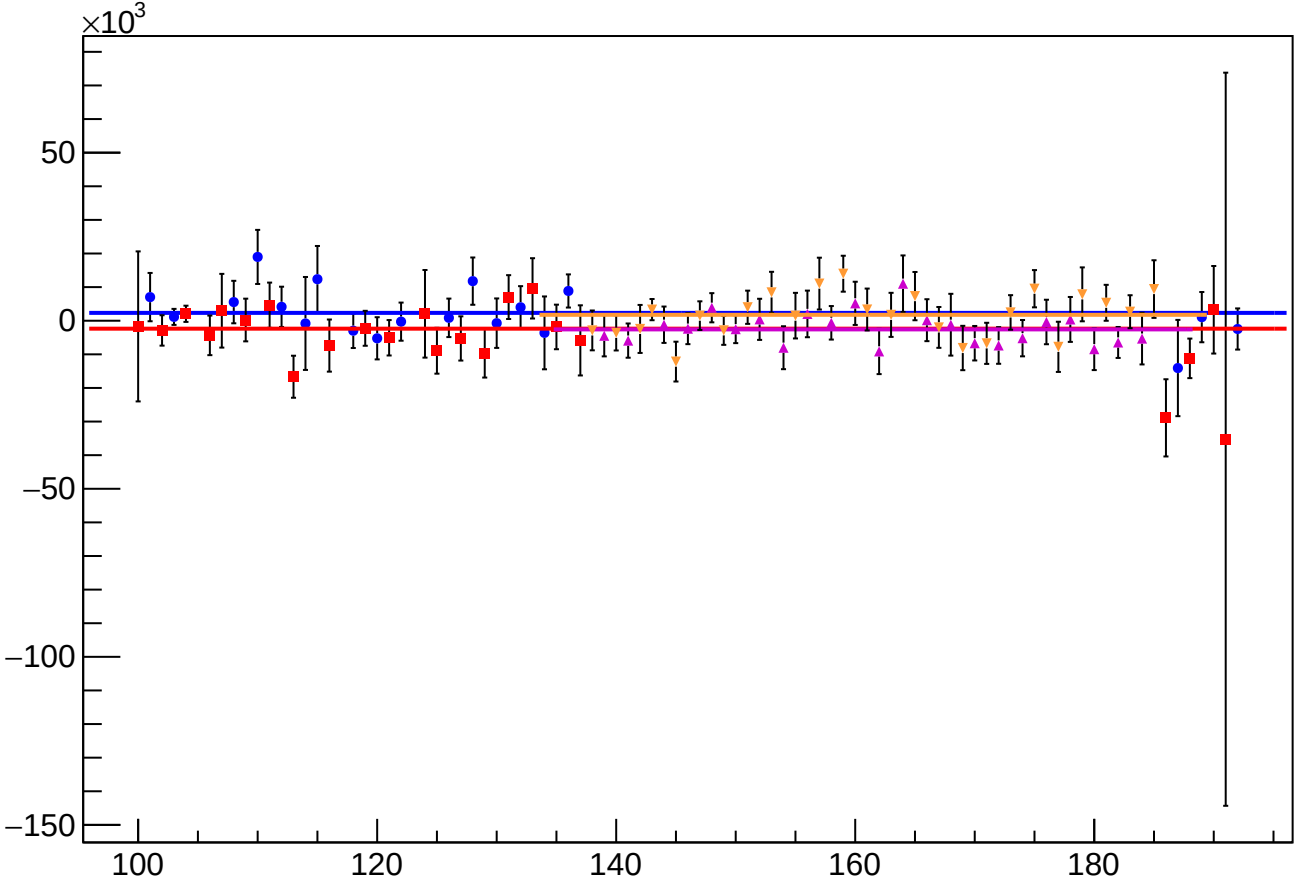
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4381.252+/-0.608 χ^2/NDF: 3967215.1/43

All: 4247.891+/-0.423 χ^2/NDF: 10225576.0/8

- sign 4122.788+/-0.589 χ^2/NDF: 6165066.9/45

asym_atl_avg_atr_avg_avg_mean vs Slug



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

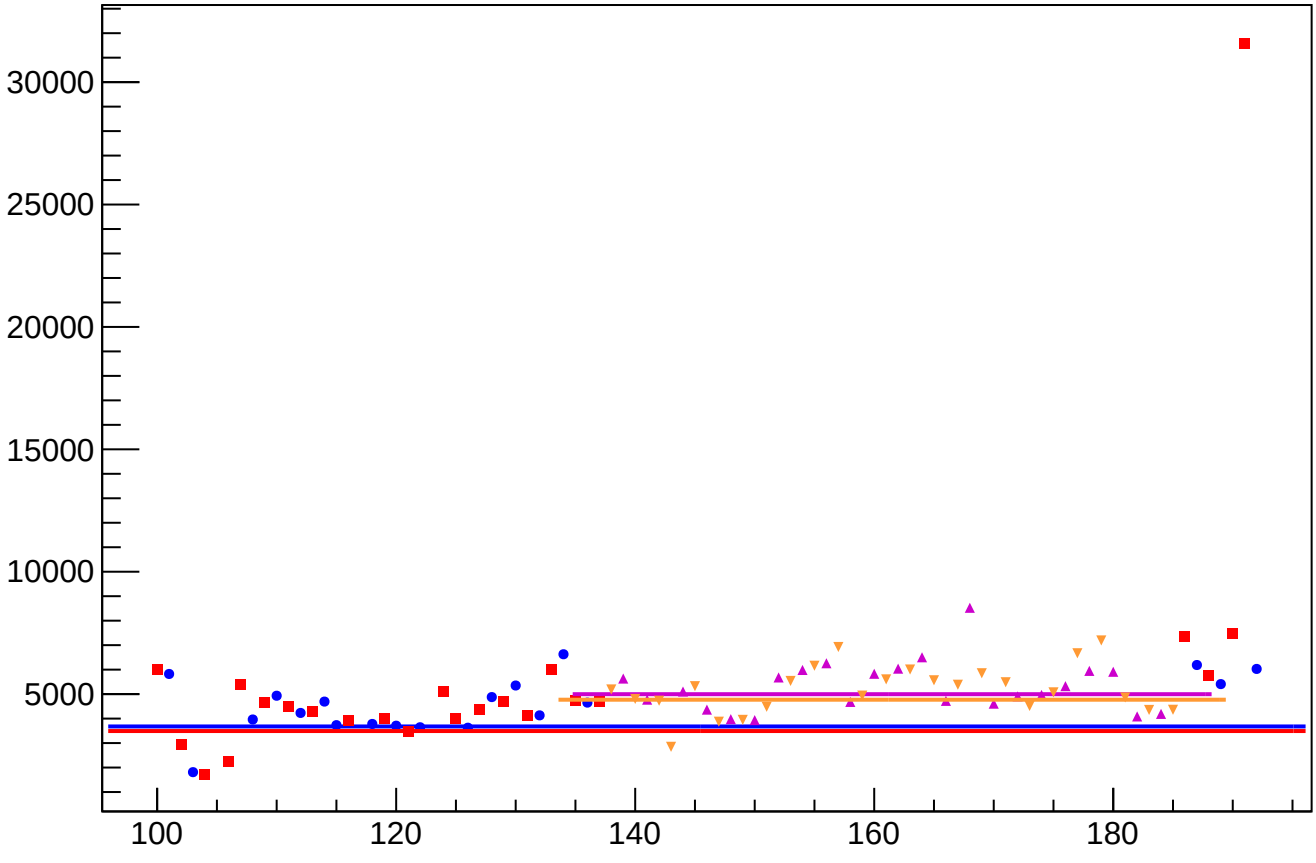
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 1999.441+/-854.351 χ^2/NDF: 43.0/43

All: -190.410+/-610.859 χ^2/NDF: 94.7/89

- sign -2480.817+/-873.746 χ^2/NDF: 38.3/45

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3678.372+/-0.939 χ^2/NDF: 2350753.3/18

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

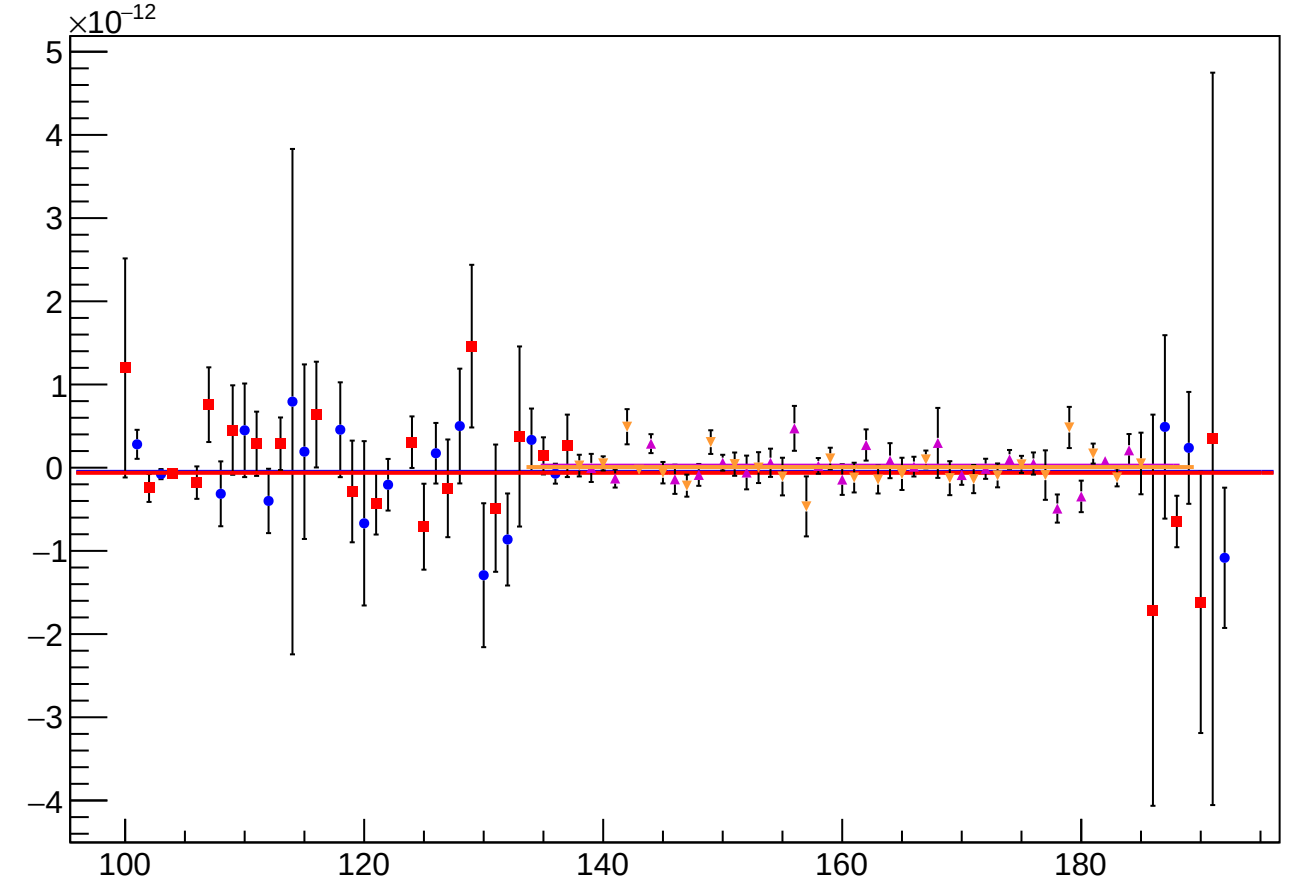
Right Out: 3491.393+/-0.900 χ^2/NDF: 2771840.7/22

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4318.557+/-0.604 χ^2/NDF: 4931802.2/43

All: 4307.203+/-0.431 χ^2/NDF: 10295010.6/8

- sign 4295.468+/-0.614 χ^2/NDF: 5362490.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

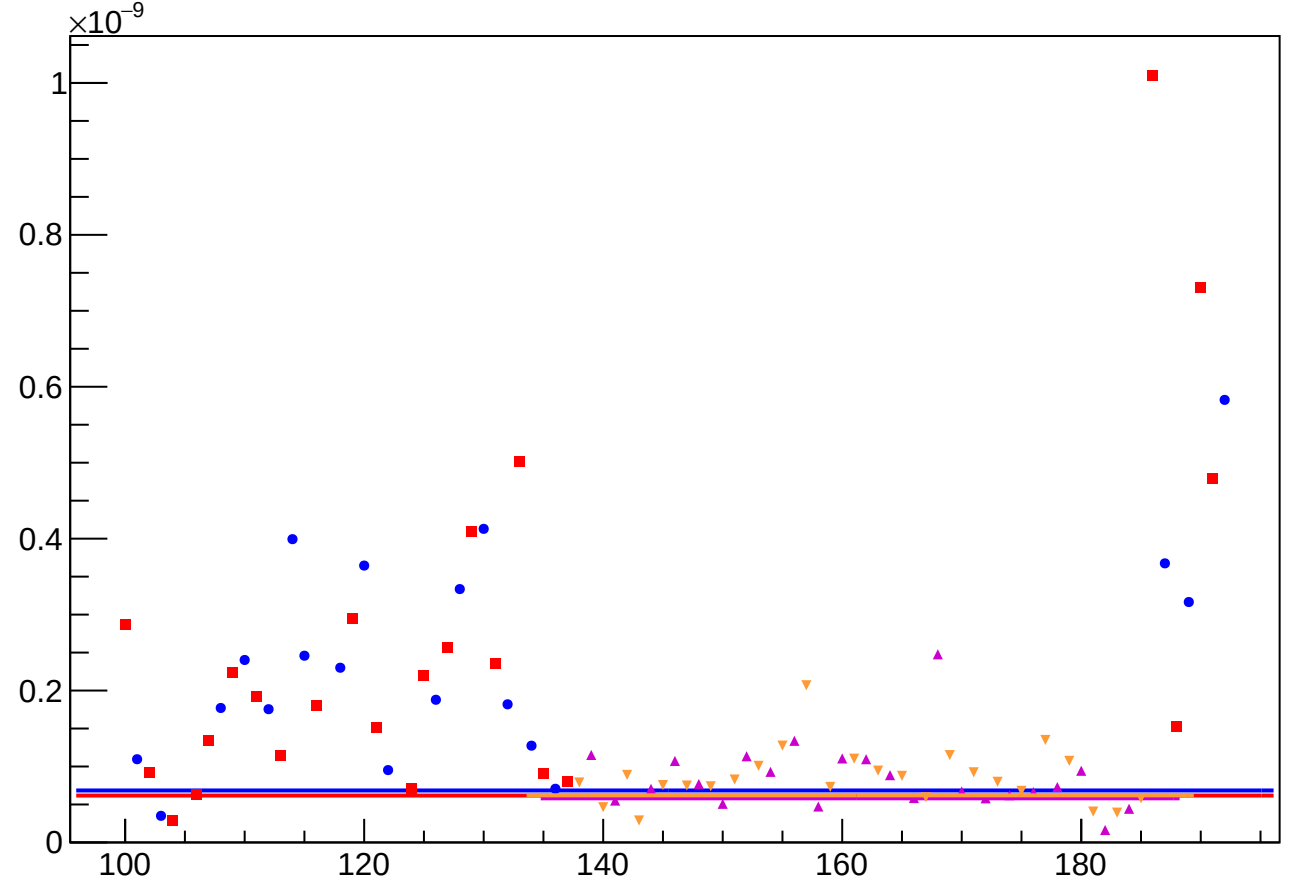
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/22

Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/43

All: -0.000+/-0.000 χ^2/NDF: 101.9/89

- sign 0.000+/-0.000 χ^2/NDF: 57.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 3767186.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

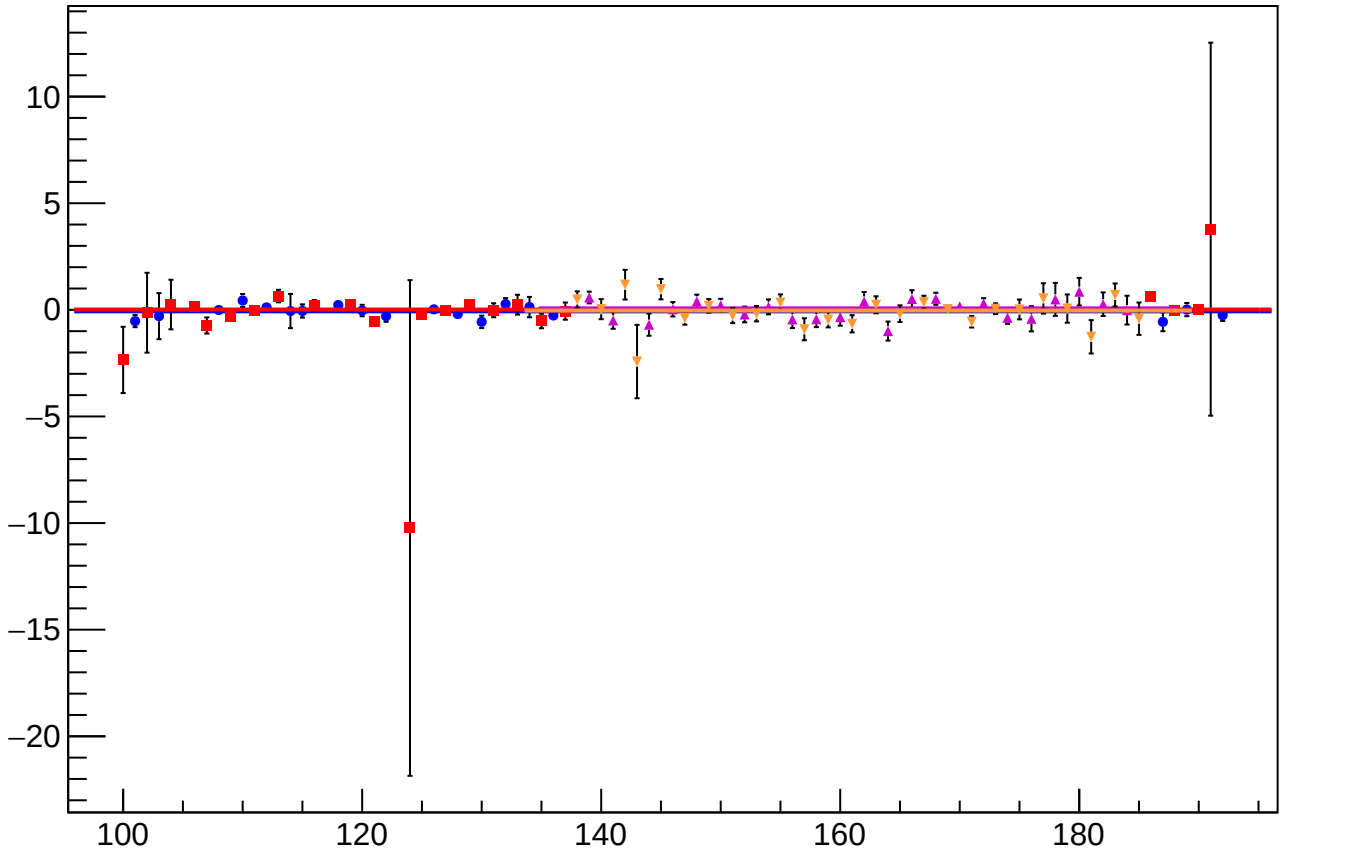
Right Out: 0.000+/-0.000 χ^2/NDF: 3744423.9/22

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6238129.6/43

All: 0.000+/-0.000 χ^2/NDF: 12996968.2/89

- sign 0.000+/-0.000 χ^2/NDF: 6720295.8/45



Right In: -0.070+/-0.063 χ^2/NDF: 16.7/18

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

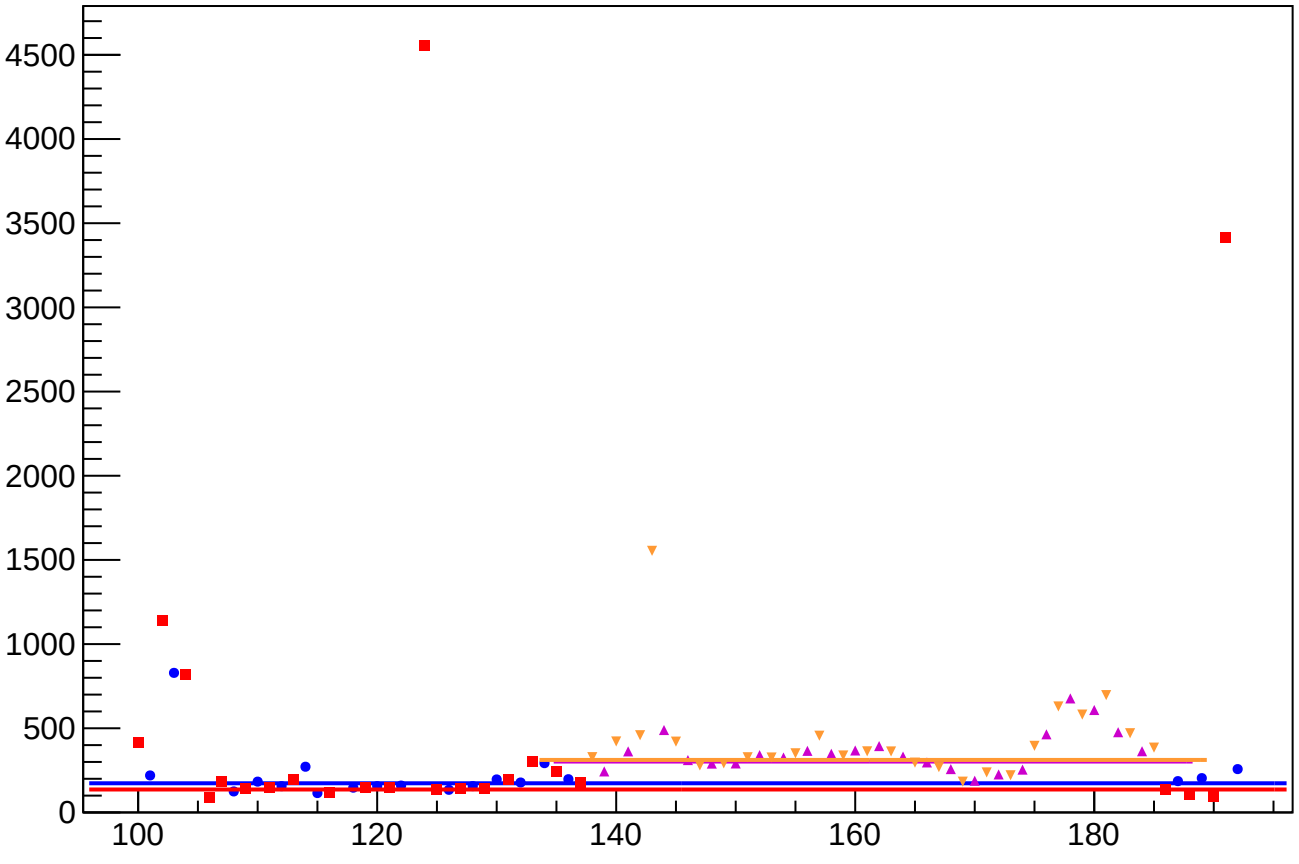
Right Out: 0.014+/-0.052 χ^2/NDF: 35.3/22

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

\+ sign -0.056+/-0.049 χ^2/NDF: 49.4/43

All: -0.006+/-0.032 χ^2/NDF: 116.9/89

\- sign 0.032+/-0.043 χ^2/NDF: 65.6/45



Right In: 173.314+/-0.044 χ^2/NDF: 1523728.6/18

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

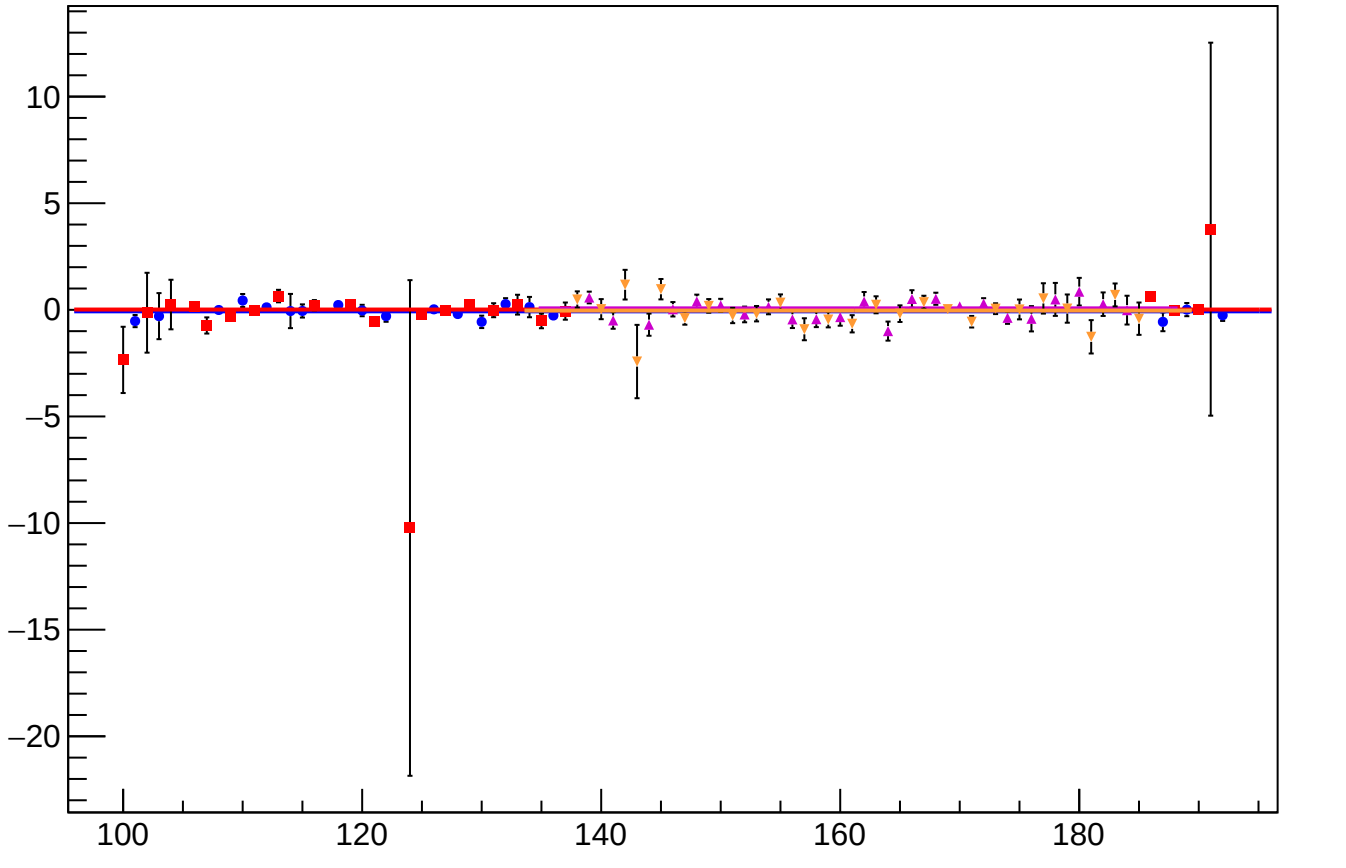
Right Out: 136.357+/-0.037 χ^2/NDF: 2982602.4/22

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 228.899+/-0.034 χ^2/NDF: 9791725.1/43

All: 206.971+/-0.023 χ^2/NDF: 22952371.6/89

- sign 190.082+/-0.030 χ^2/NDF: 12438347.5/45



Right In: -0.070+/-0.063 χ^2/NDF: 16.7/18

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

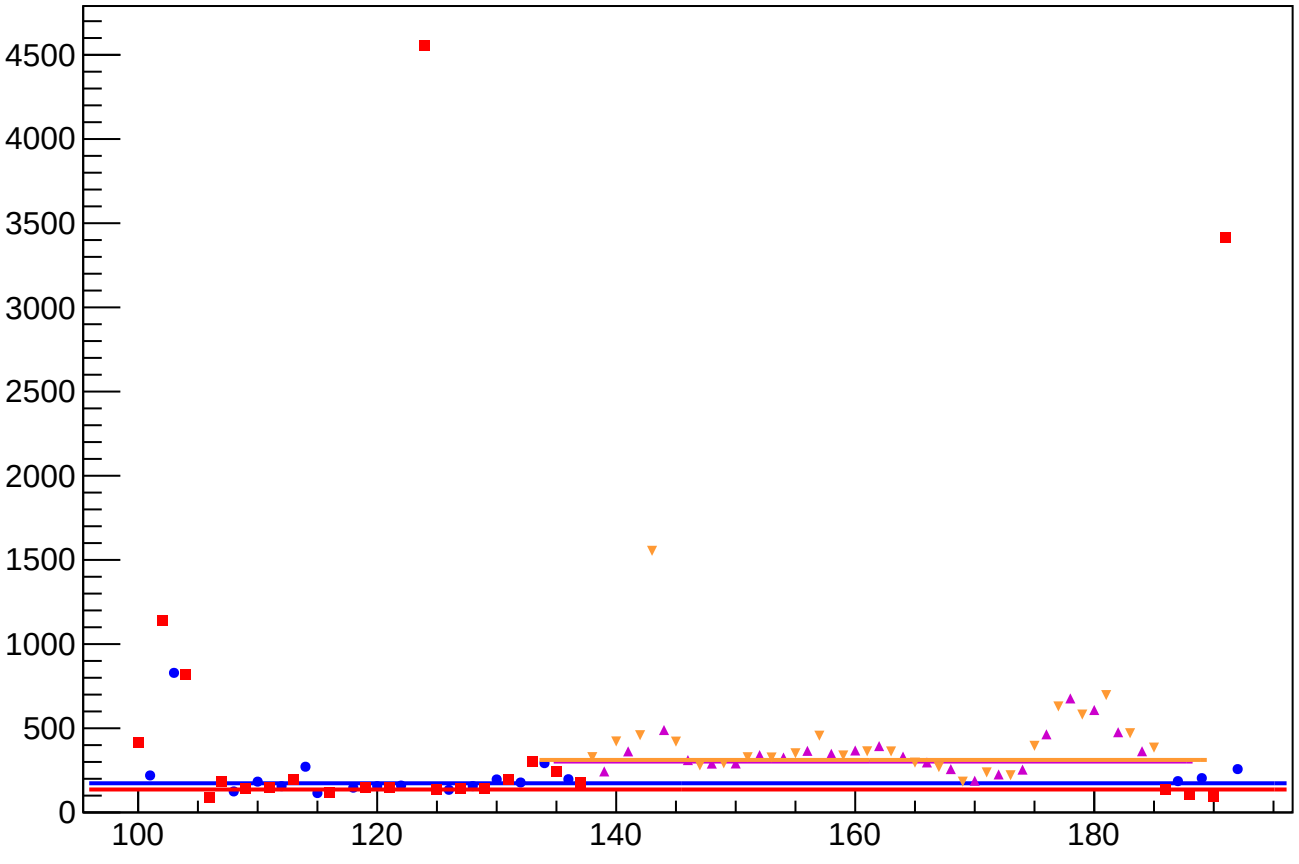
Right Out: 0.014+/-0.052 χ^2/NDF: 35.3/22

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.056+/-0.049 χ^2/NDF: 49.4/43

All: -0.006+/-0.032 χ^2/NDF: 116.9/89

- sign 0.032+/-0.043 χ^2/NDF: 65.6/45



Right In: 173.314+/-0.044 χ^2/NDF: 1523728.6/18

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

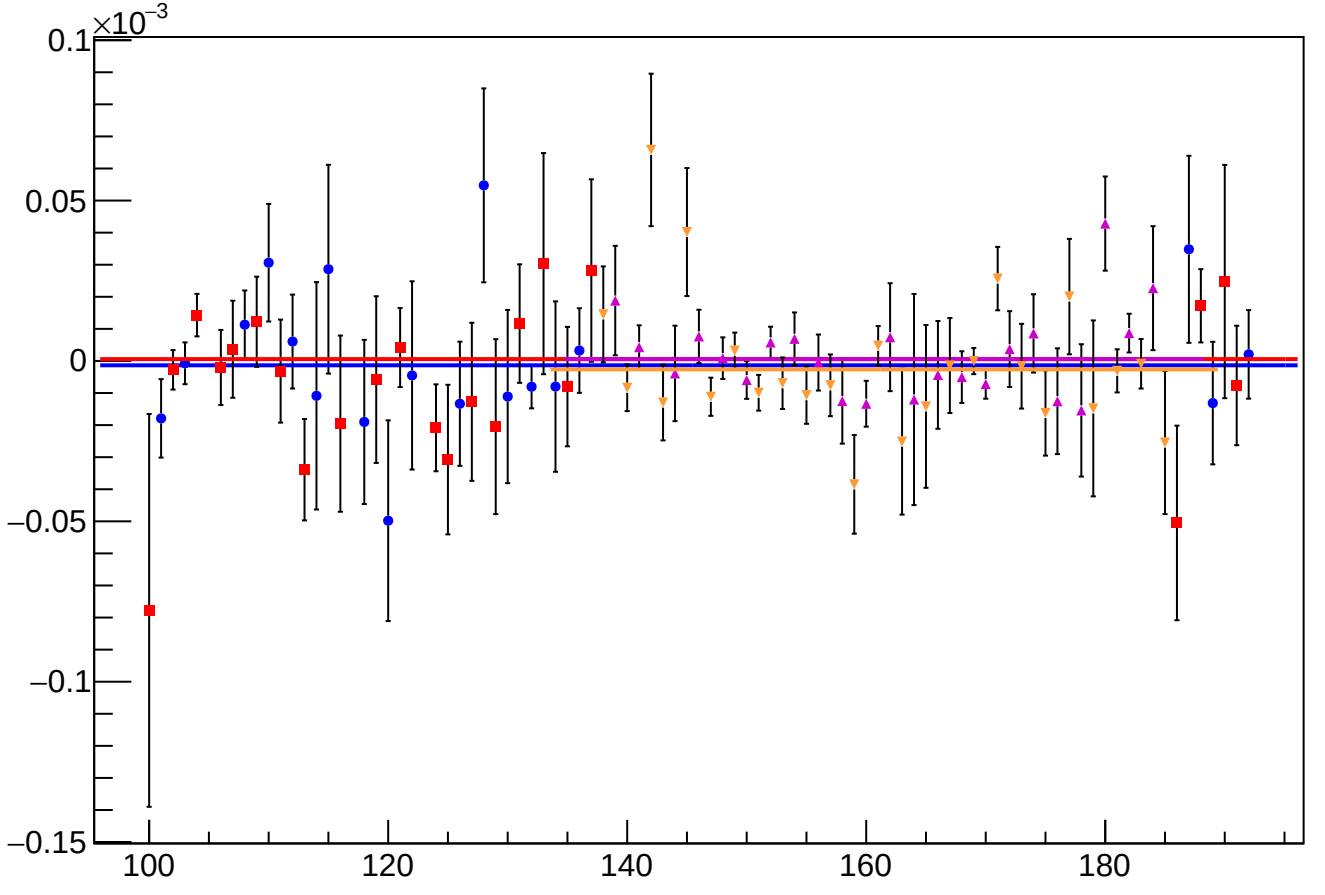
Right Out: 136.357+/-0.037 χ^2/NDF: 2982602.4/22

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 228.899+/-0.034 χ^2/NDF: 9791725.1/43

All: 206.971+/-0.023 χ^2/NDF: 22952371.6/89

- sign 190.082+/-0.030 χ^2/NDF: 12438347.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

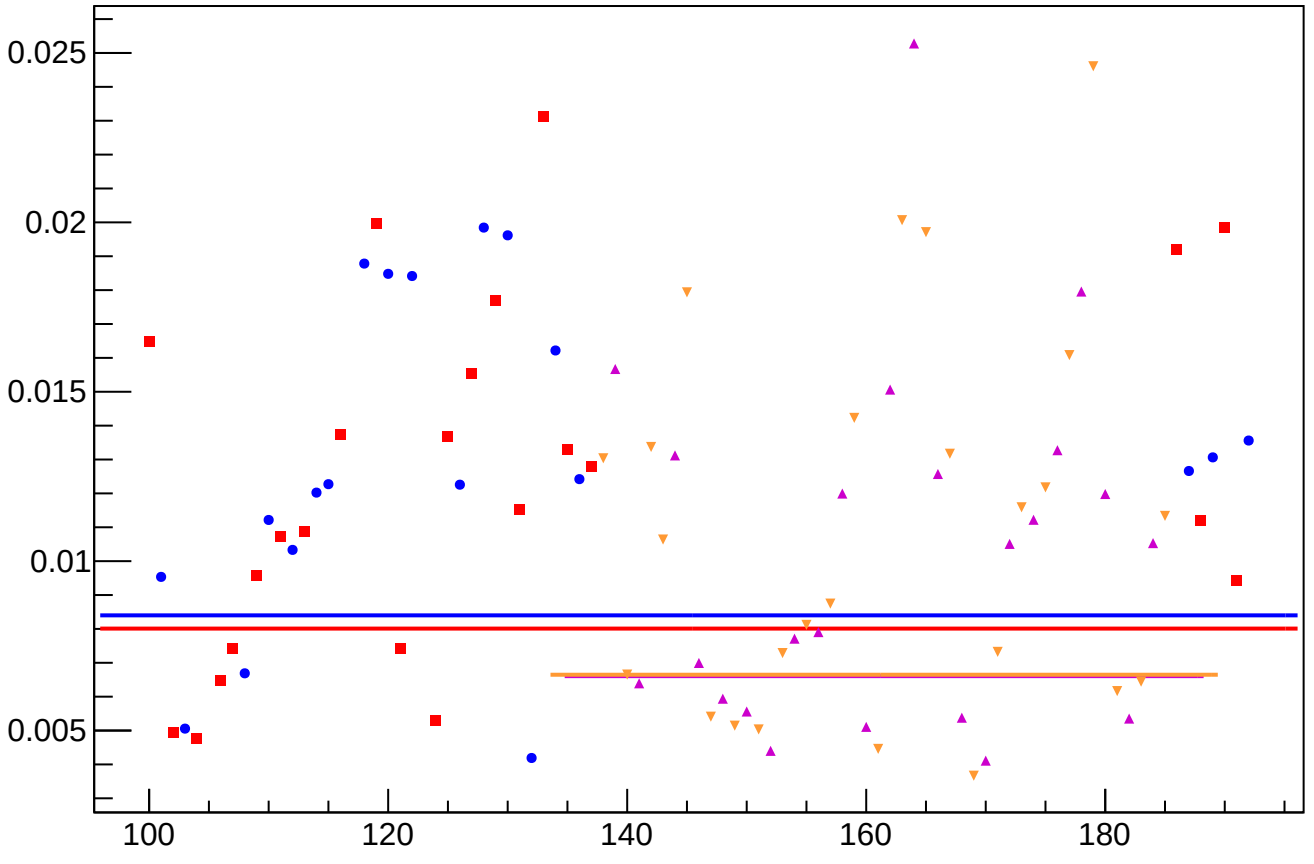
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/22

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.0/43

All: -0.000+/-0.000 χ^2/NDF: 114.2/89

- sign 0.000+/-0.000 χ^2/NDF: 52.4/45



Right In: 0.008+/-0.000 χ^2/NDF: 3789750.5/18

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

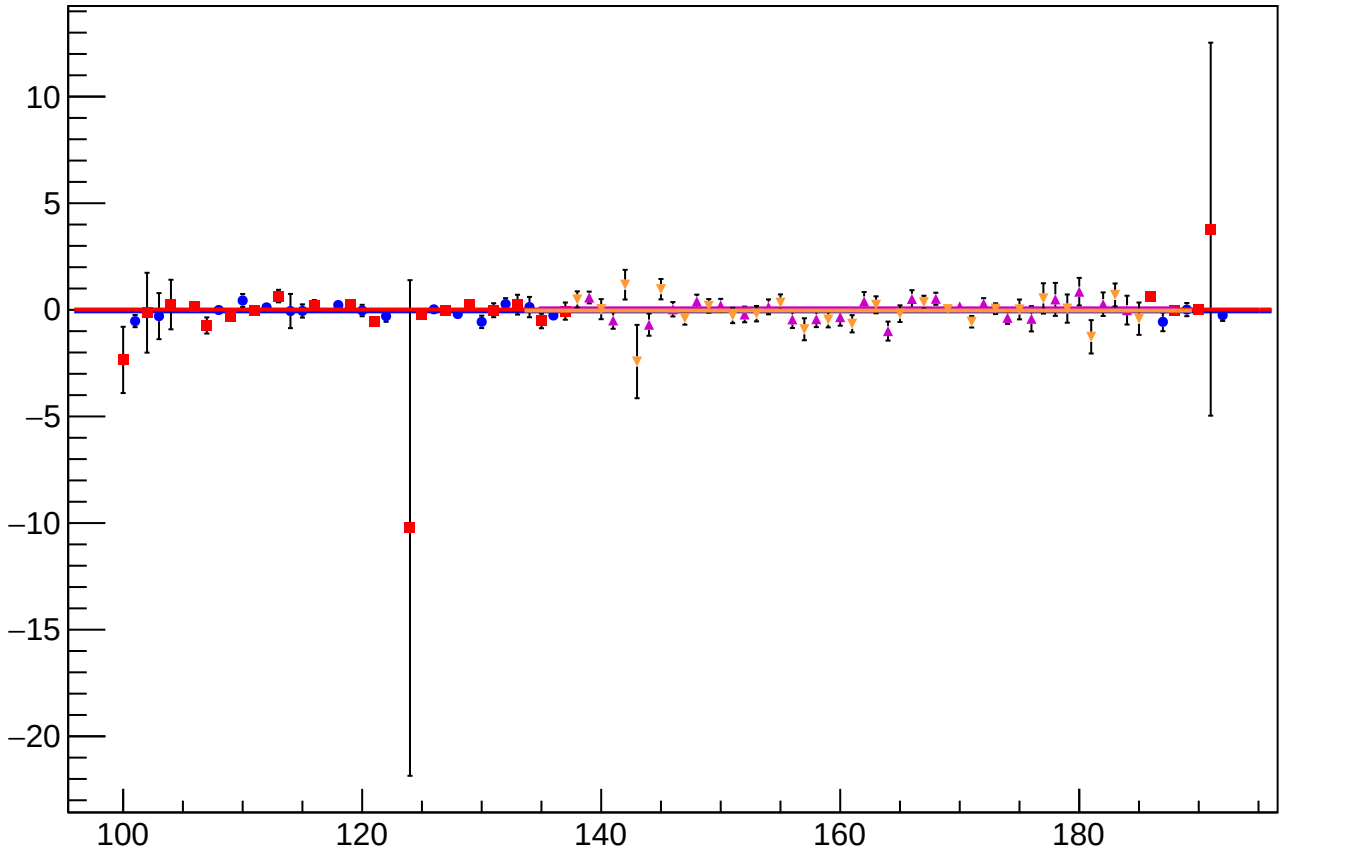
Right Out: 0.008+/-0.000 χ^2/NDF: 3675117.4/22

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 11759764.5/43

All: 0.007+/-0.000 χ^2/NDF: 21622871.2/89

- sign 0.007+/-0.000 χ^2/NDF: 9861406.4/45



Right In: -0.070+/-0.063 χ^2/NDF: 16.7/18

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

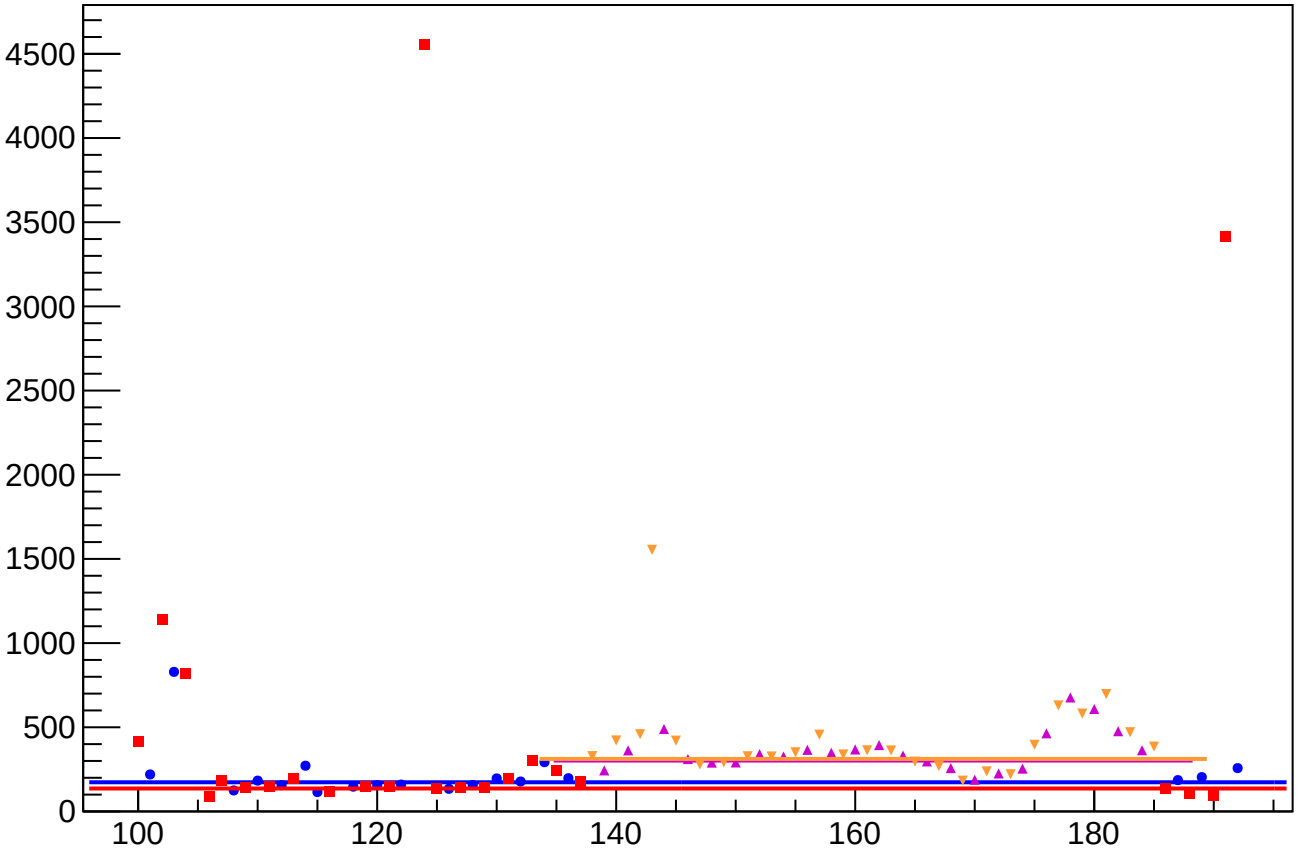
Right Out: 0.014+/-0.052 χ^2/NDF: 35.3/22

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.056+/-0.049 χ^2/NDF: 49.4/43

All: -0.006+/-0.032 χ^2/NDF: 116.9/89

- sign 0.032+/-0.043 χ^2/NDF: 65.6/45



Right In: 173.313+/-0.044 χ^2/NDF: 1523728.4/18

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

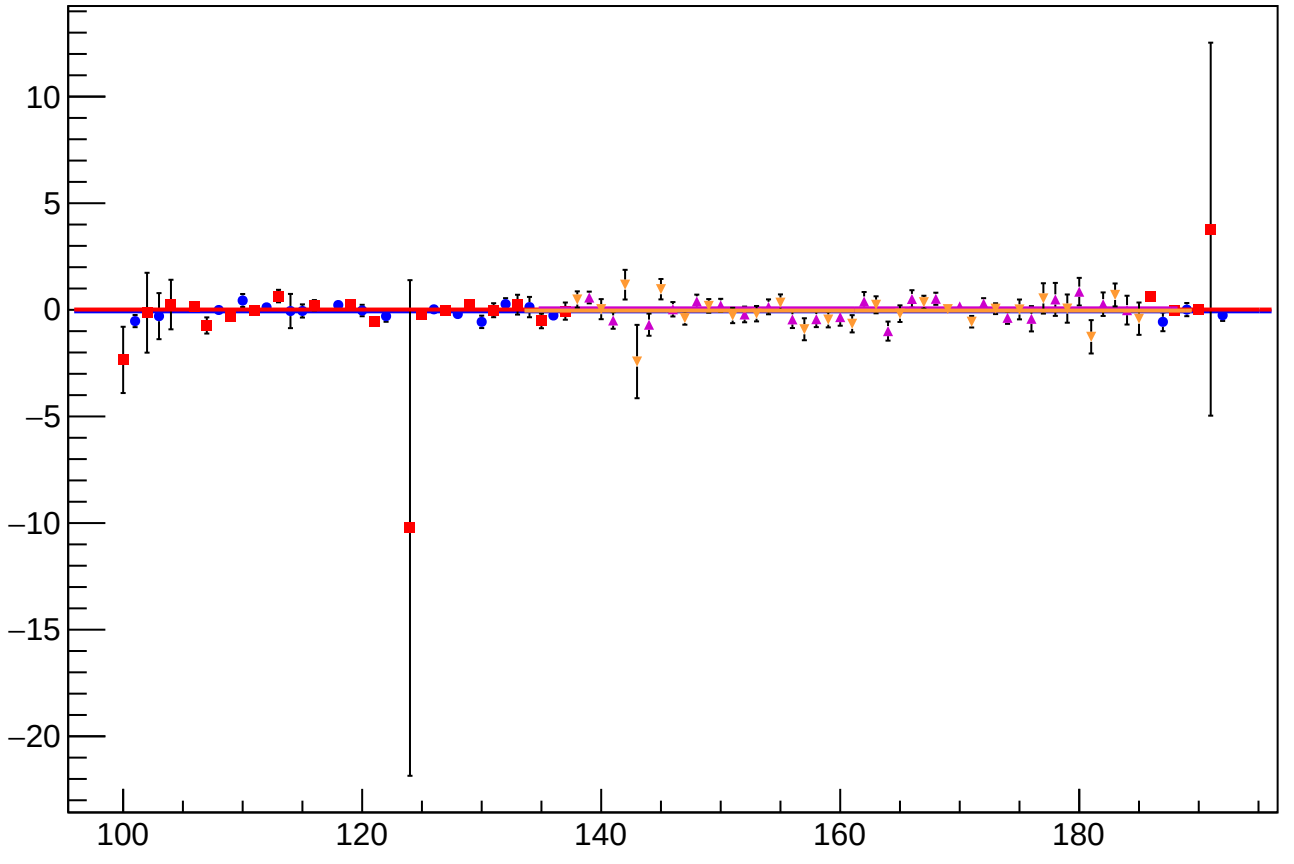
Right Out: 136.354+/-0.037 χ^2/NDF: 2982679.1/22

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 228.899+/-0.034 χ^2/NDF: 9791963.4/43

All: 206.968+/-0.023 χ^2/NDF: 22953369.2/89

- sign 190.078+/-0.030 χ^2/NDF: 12438978.5/45



Right In: -0.070+/-0.063 χ^2/NDF: 16.7/18

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

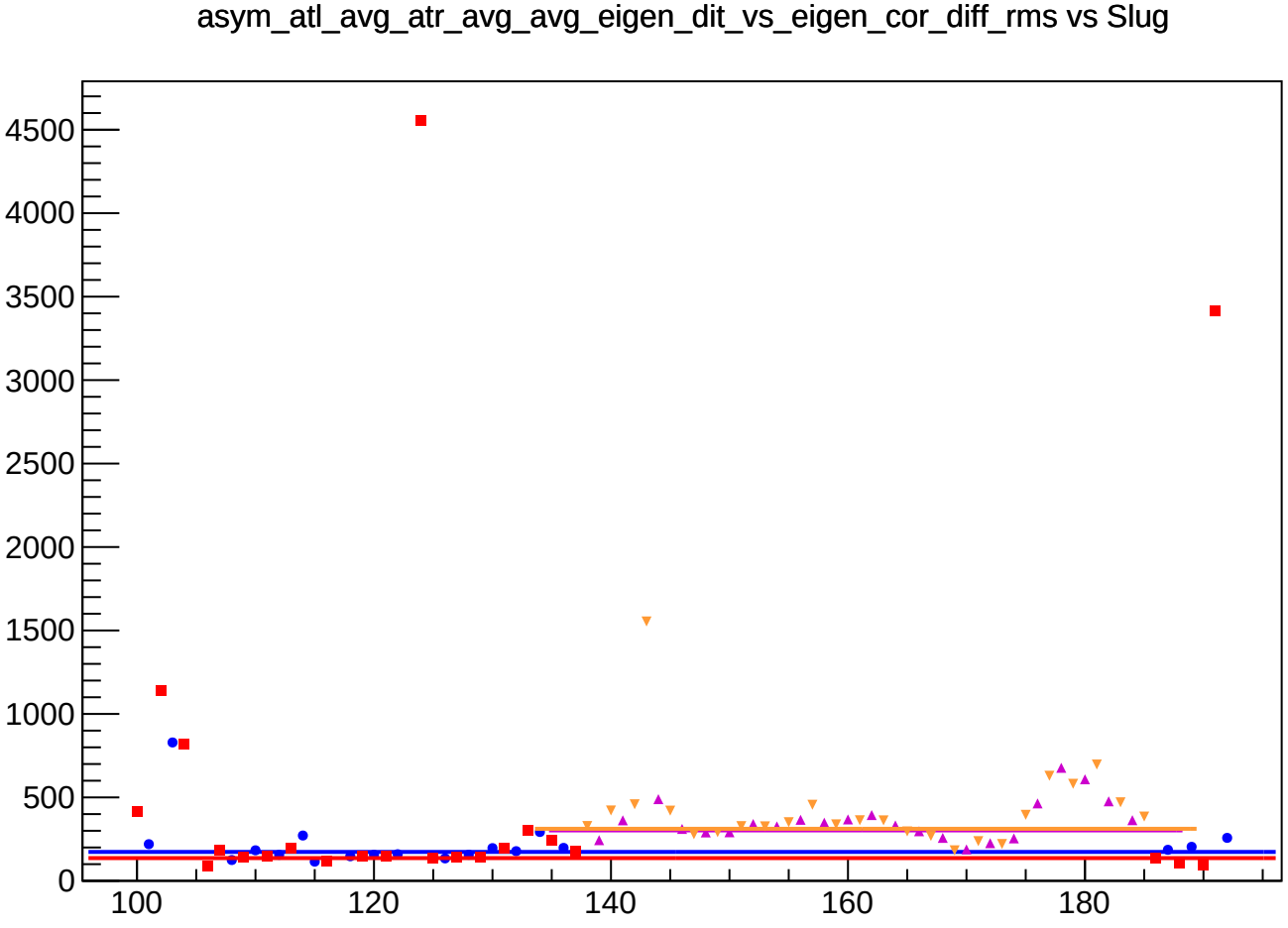
Right Out: 0.014+/-0.052 χ^2/NDF: 35.3/22

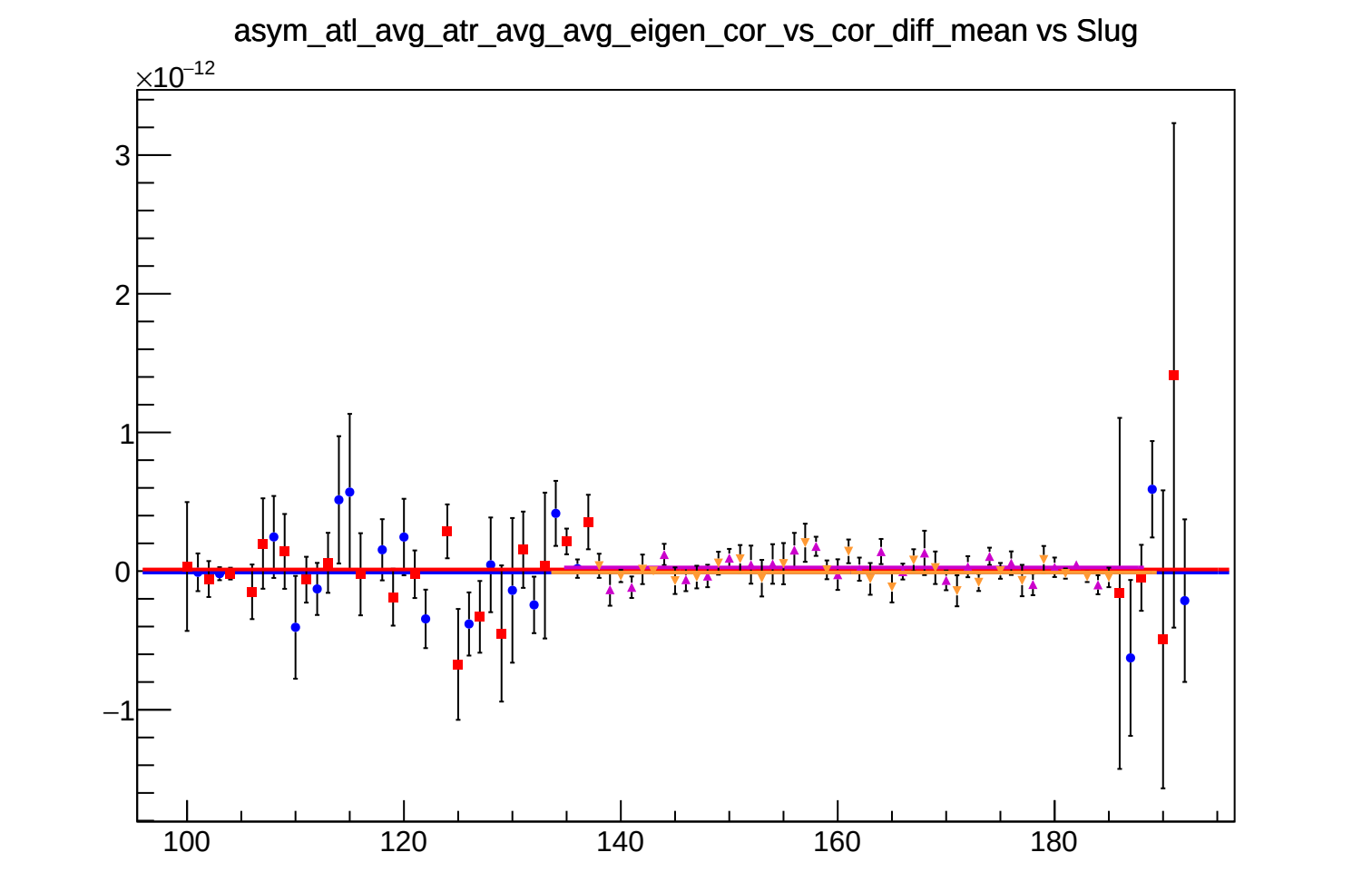
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.056+/-0.049 χ^2/NDF: 49.4/43

All: -0.006+/-0.032 χ^2/NDF: 116.9/89

- sign 0.032+/-0.043 χ^2/NDF: 65.6/45


asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
Right In: 173.313+/-0.044 χ²/NDF: 1523728.4/18
Left Out: 311.961+/-0.054 χ²/NDF:4350376.6/24
Right Out: 136.354+/-0.037 χ²/NDF: 2982679.1/22
Left In: 302.377+/-0.053 χ²/NDF:2808874.8/22
+ sign 228.899+/-0.034 χ²/NDF: 9791963.4/43
All: 206.968+/-0.023 χ²/NDF: 22953369.2/89
- sign 190.078+/-0.030 χ²/NDF: 12438978.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

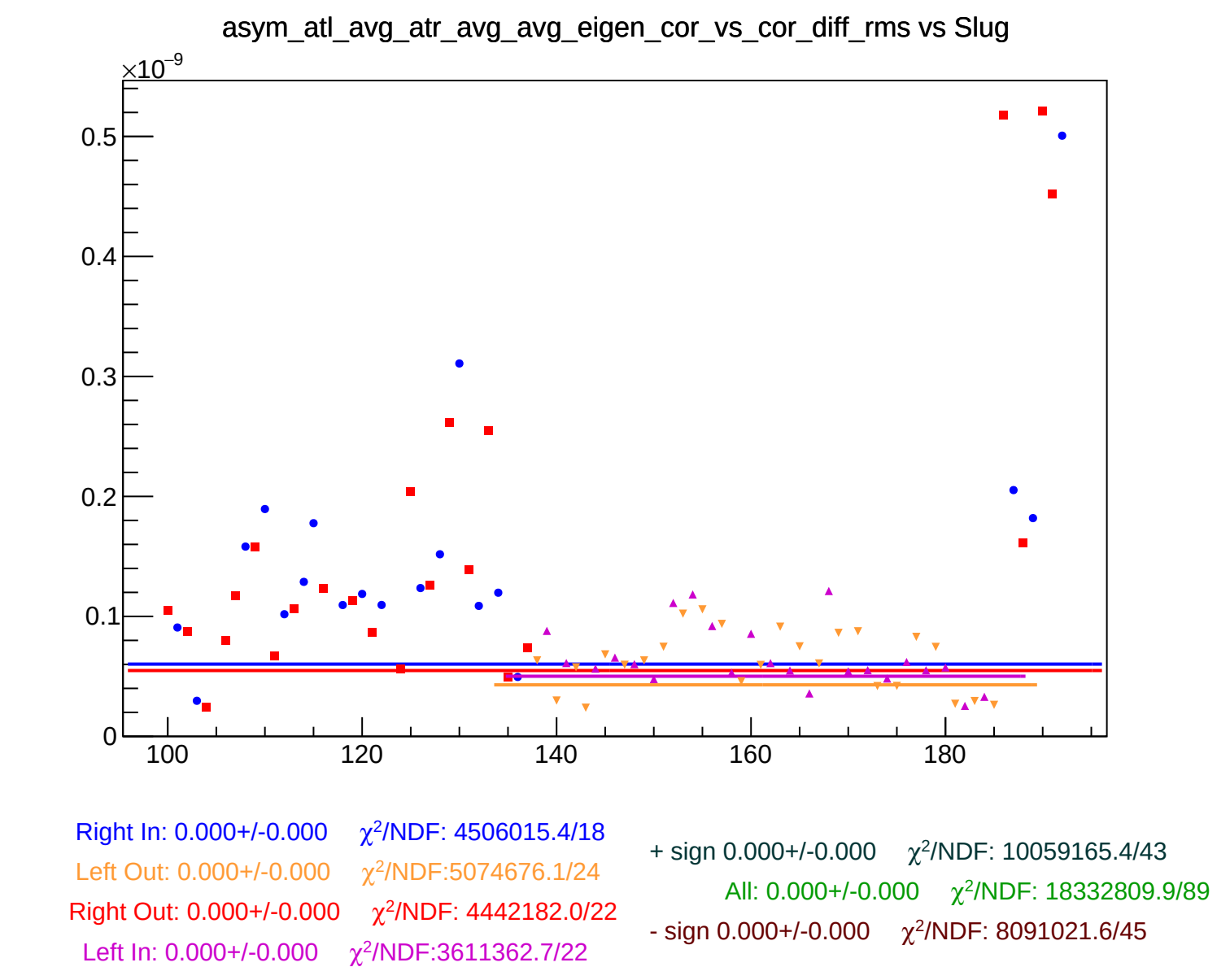
Right Out: 0.000+/-0.000 χ^2/NDF: 19.8/22

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

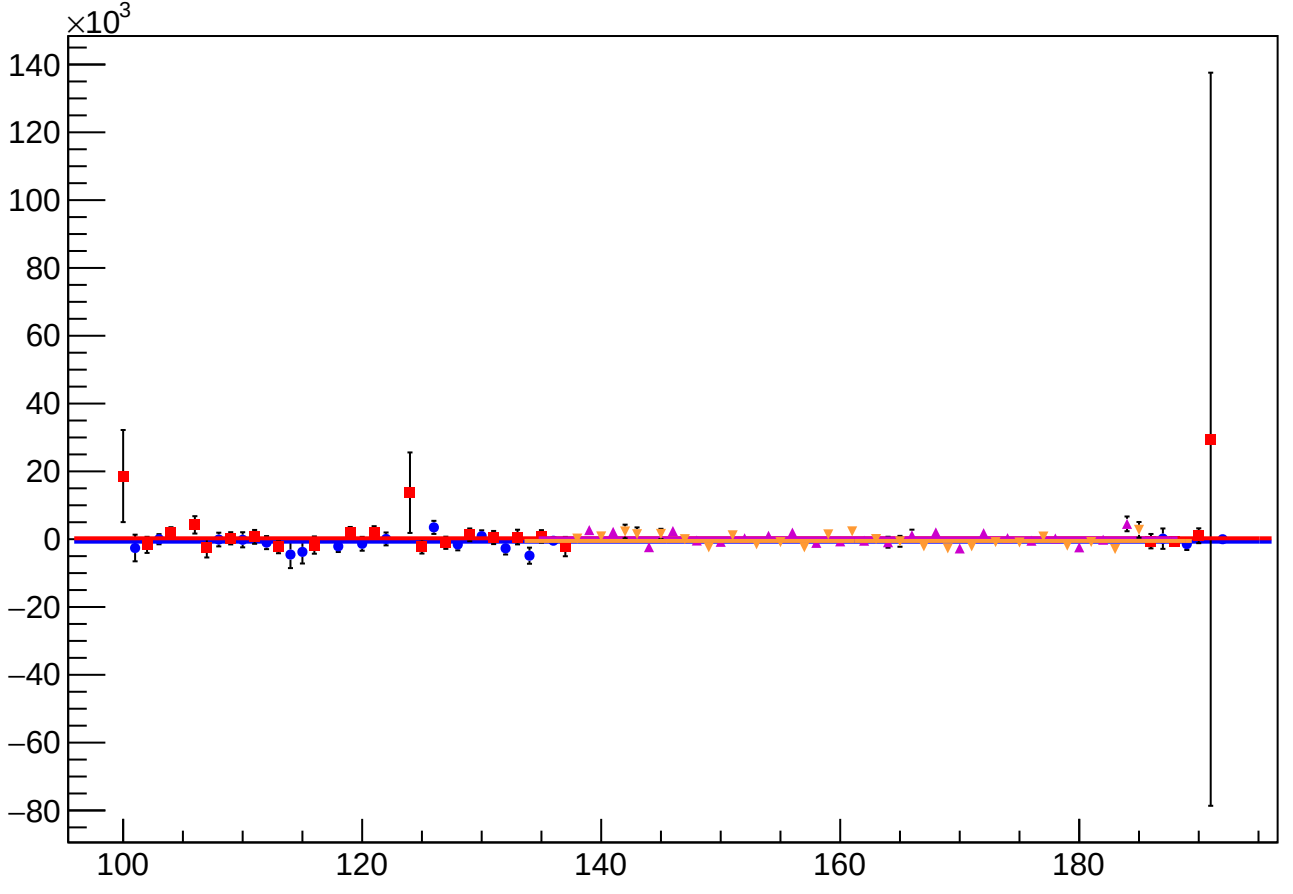
+ sign -0.000+/-0.000 χ^2/NDF: 36.6/43

All: 0.000+/-0.000 χ^2/NDF: 87.4/89

- sign 0.000+/-0.000 χ^2/NDF: 47.5/45


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 4506015.4/18
Left Out: 0.000+/-0.000 χ²/NDF:5074676.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 4442182.0/22
Left In: 0.000+/-0.000 χ²/NDF:3611362.7/22
+ sign 0.000+/-0.000 χ²/NDF: 10059165.4/43
All: 0.000+/-0.000 χ²/NDF: 18332809.9/89
- sign 0.000+/-0.000 χ²/NDF: 8091021.6/45

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



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

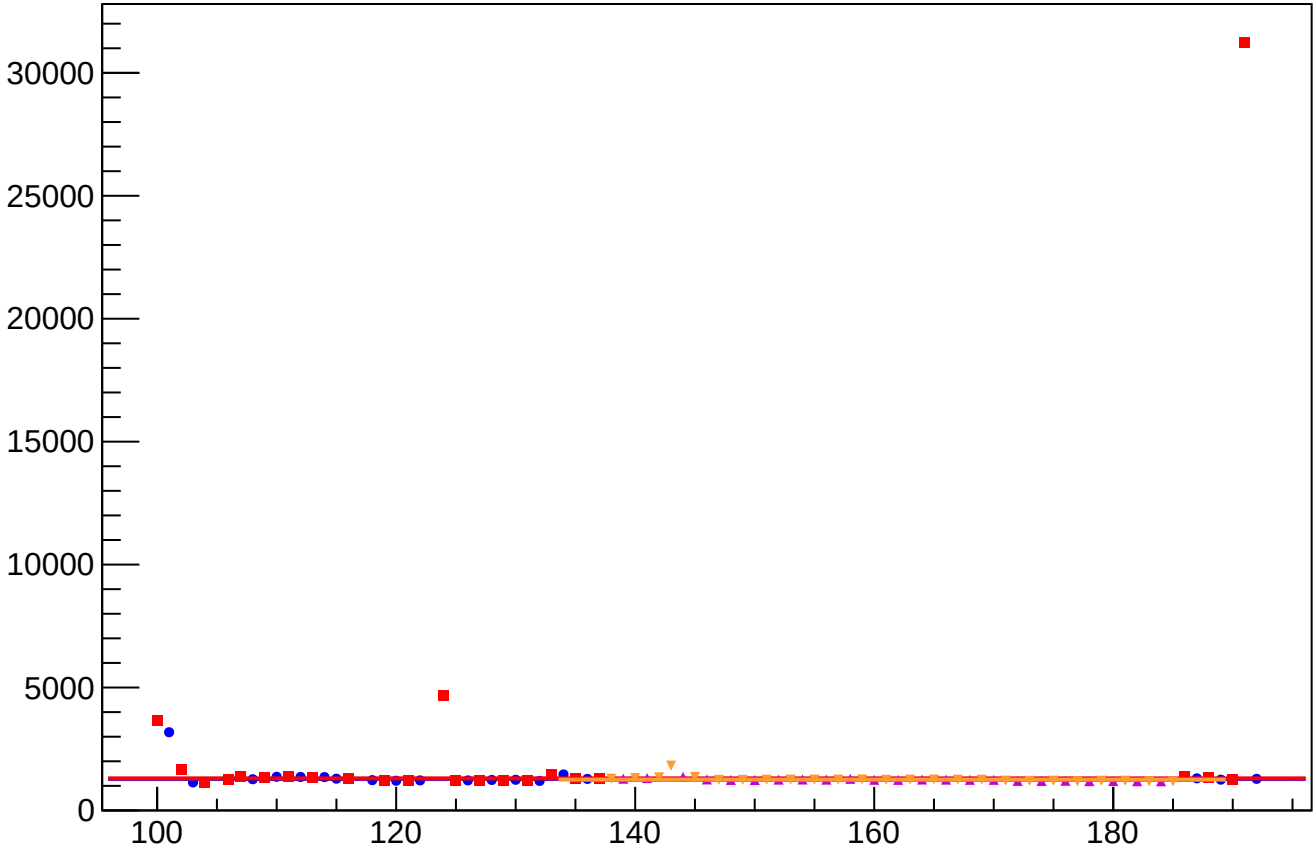
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -579.773+/-239.212 χ^2/NDF: 45.1/43

All: -171.667+/-170.333 χ^2/NDF: 99.4/89

- sign 248.069+/-242.597 χ^2/NDF: 48.4/45

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1284.288+/-0.309 χ^2/NDF: 518951.4/18

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

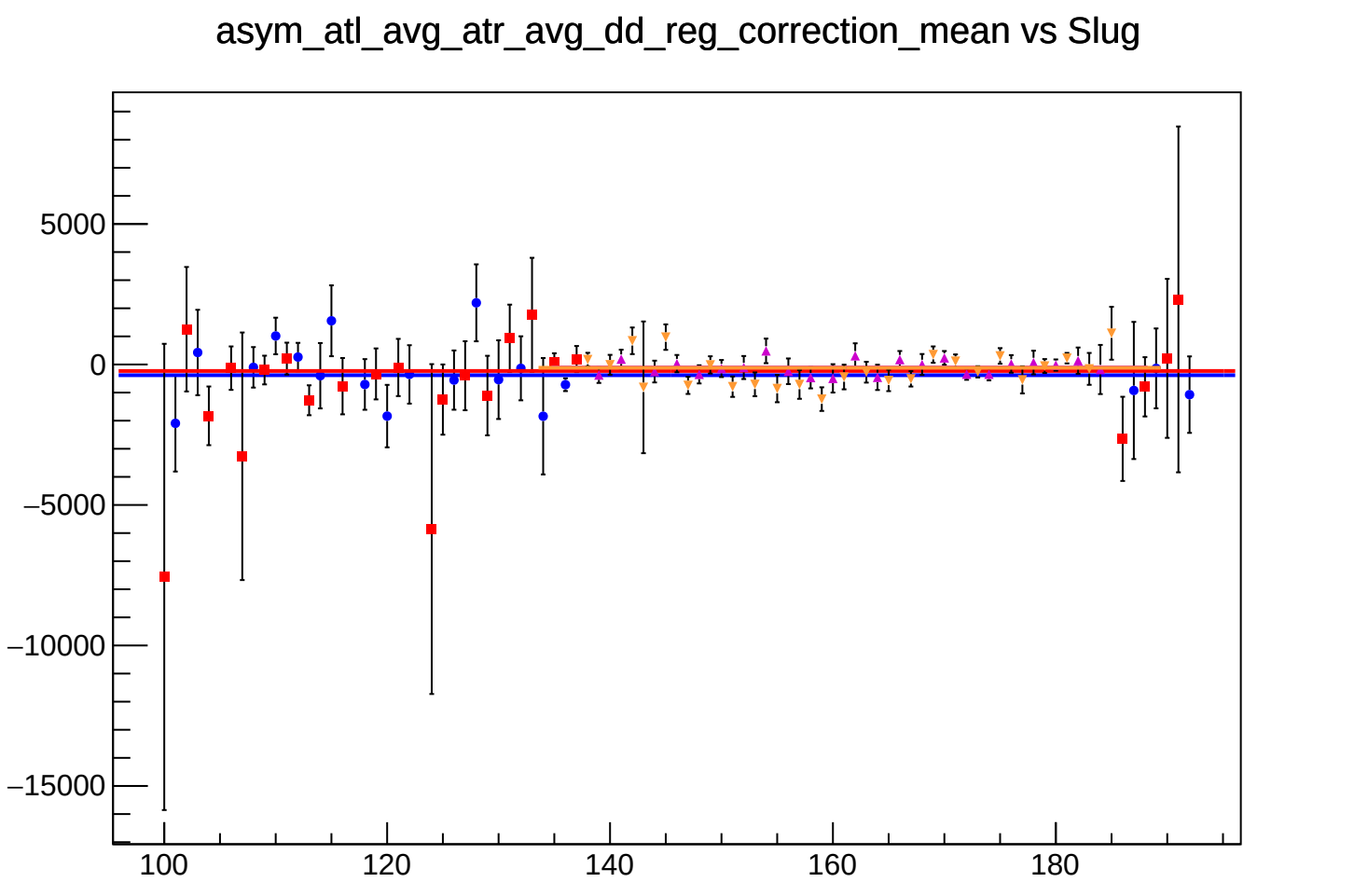
Right Out: 1303.079+/-0.310 χ^2/NDF: 488294.7/22

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.150+/-0.169 χ^2/NDF: 728154.0/43

All: 1263.929+/-0.120 χ^2/NDF: 1279521.9/89

- sign 1263.701+/-0.172 χ^2/NDF: 551364.4/45



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

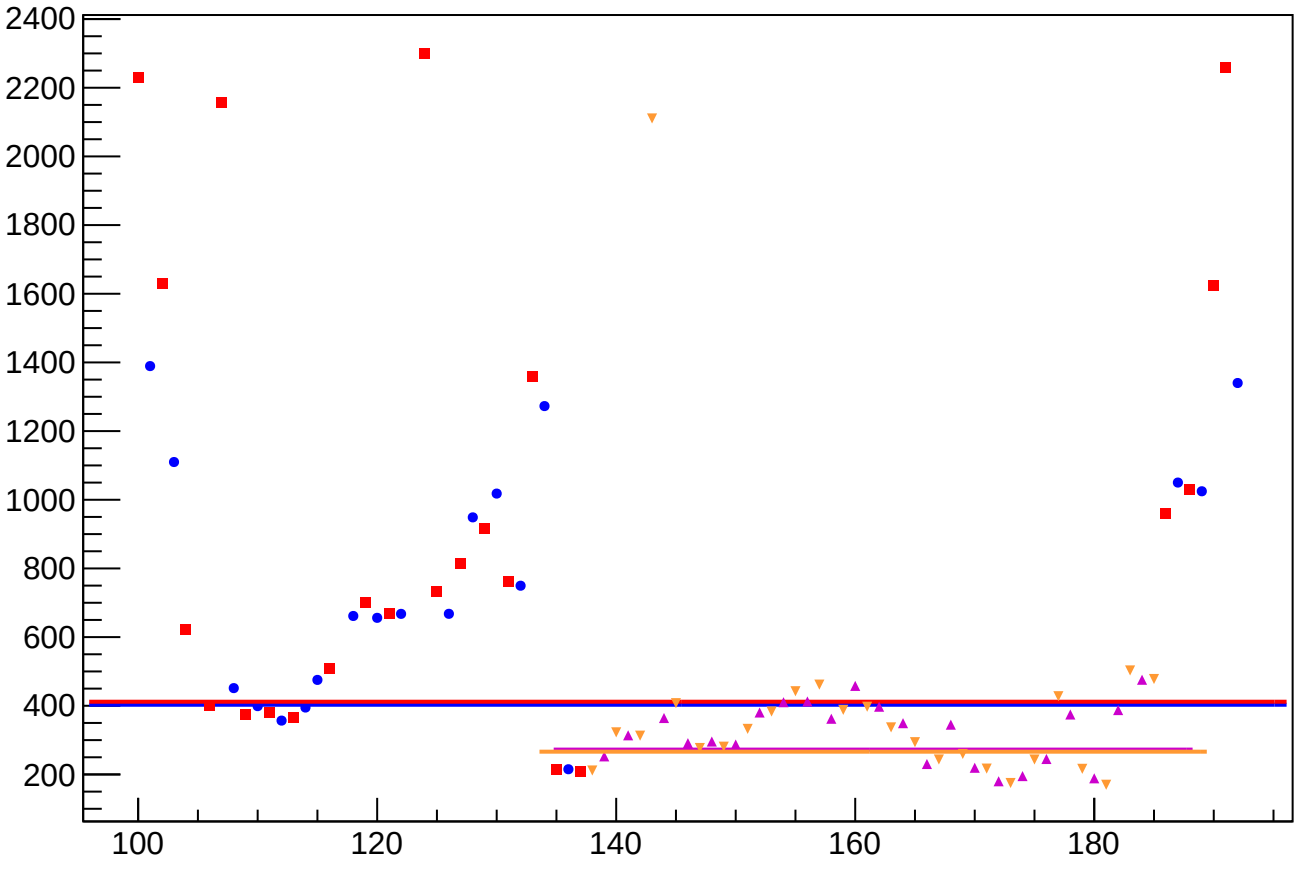
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -152.535+/-60.544 χ^2/NDF: 69.2/43

All: -138.953+/-43.362 χ^2/NDF: 101.3/89

- sign -124.650+/-62.133 χ^2/NDF: 32.0/45

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



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

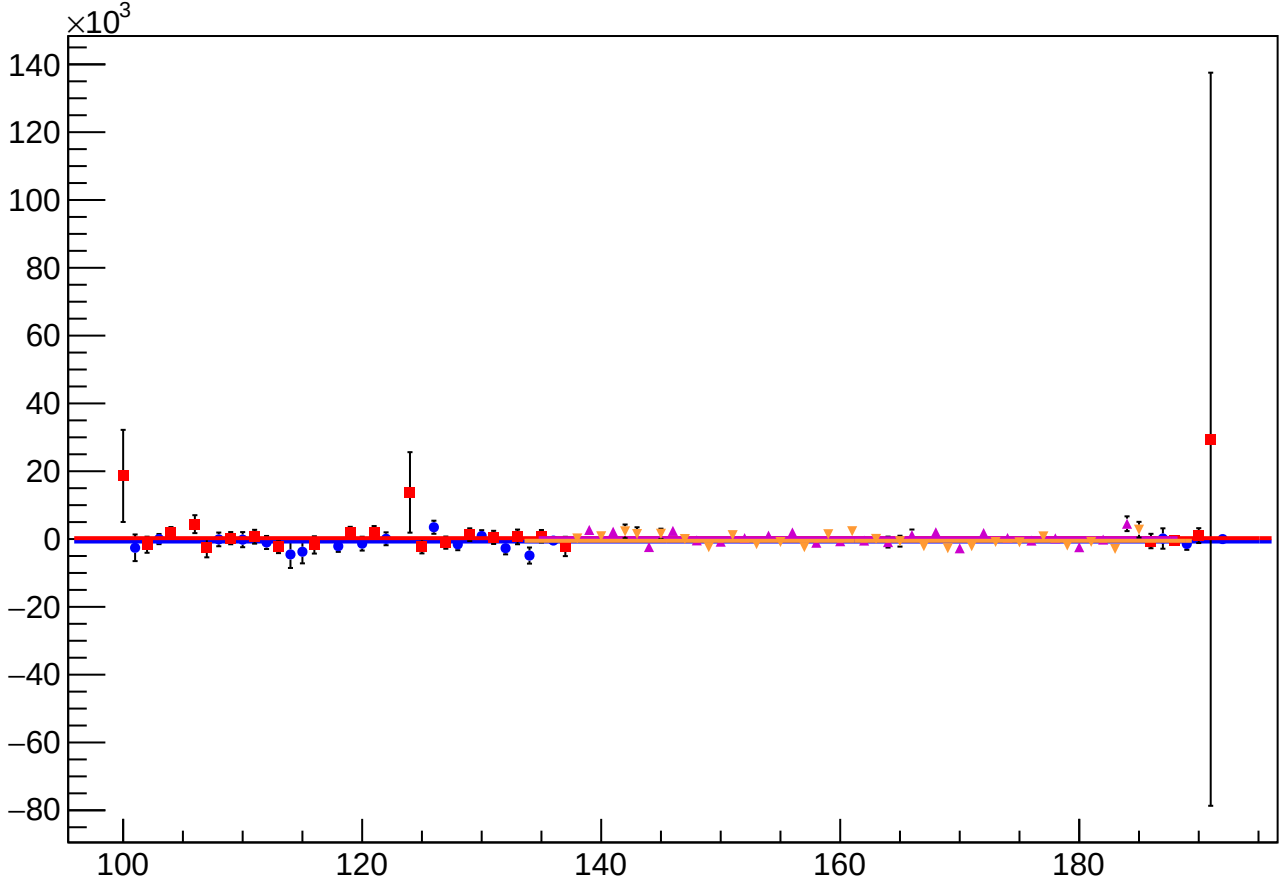
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 284.630+/-0.043 χ^2/NDF: 11522110.0/43

All: 288.169+/-0.031 χ^2/NDF: 21250861.1/89

- sign 291.896+/-0.044 χ^2/NDF: 9714718.9/45

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



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

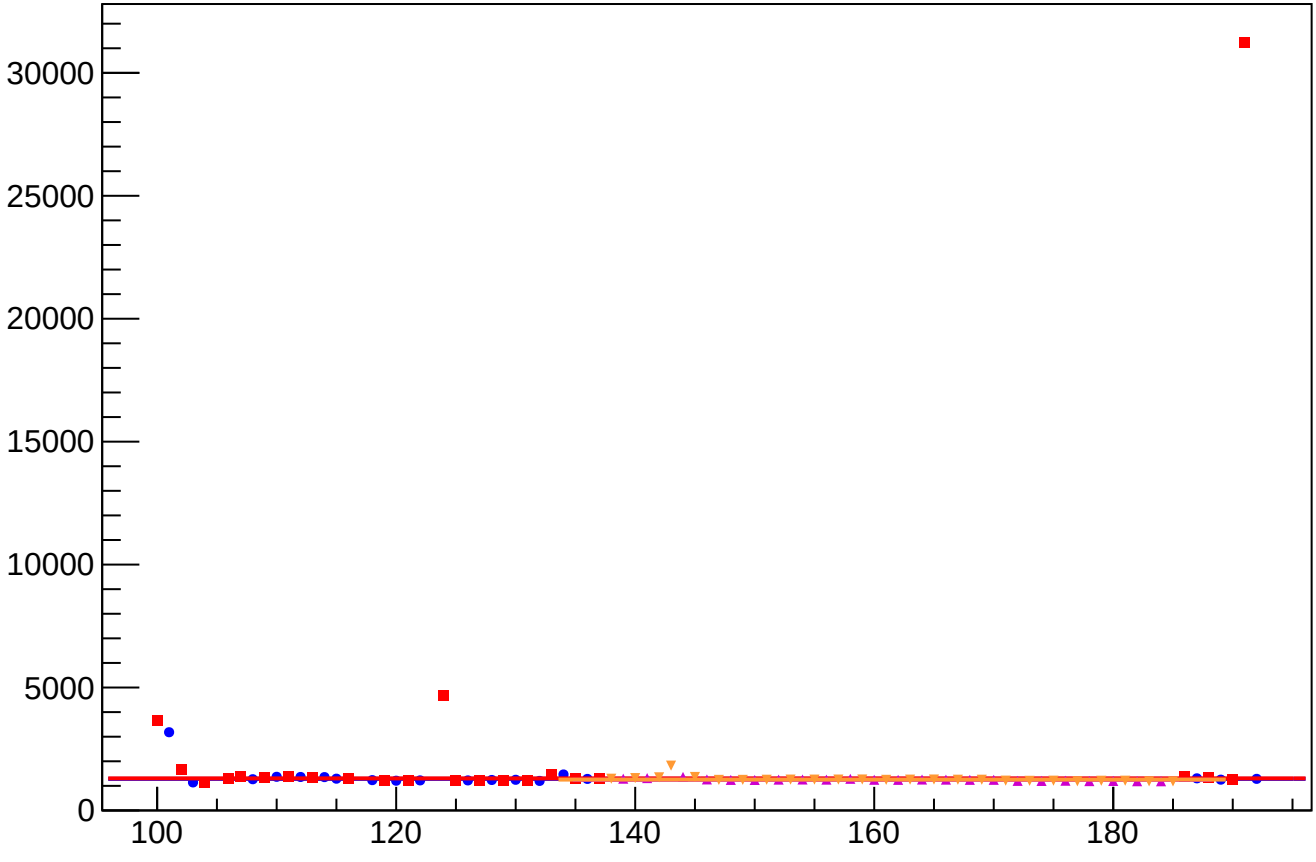
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -579.639+/-239.212 χ^2/NDF: 45.1/43

All: -172.066+/-170.355 χ^2/NDF: 99.5/89

- sign 247.348+/-242.662 χ^2/NDF: 48.5/45

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1284.287+/-0.309 χ^2/NDF: 518952.8/18

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

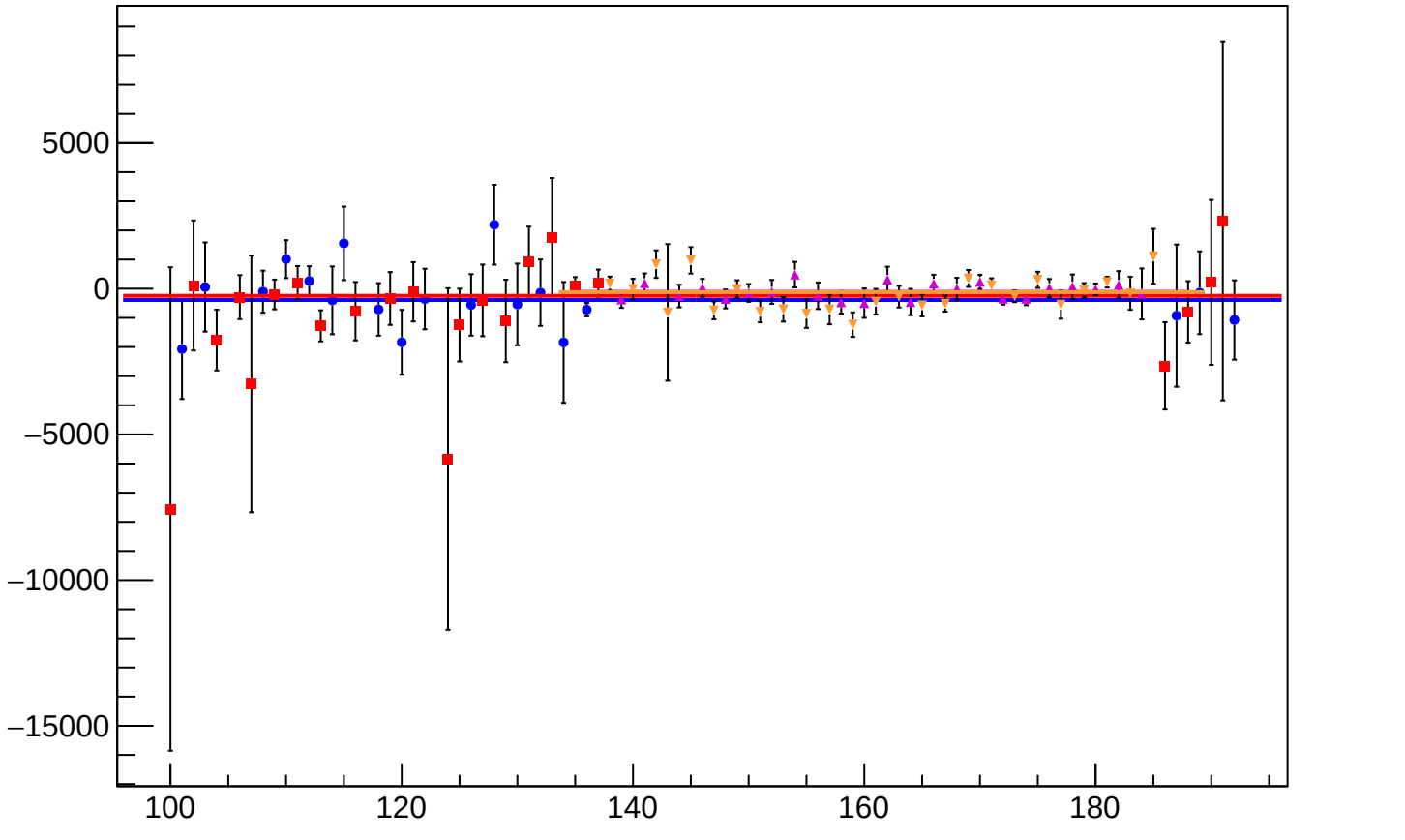
Right Out: 1304.275+/-0.310 χ^2/NDF: 487793.5/22

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

\+ sign 1264.150+/-0.169 χ^2/NDF: 728155.3/43

All: 1264.098+/-0.120 χ^2/NDF: 1279977.8/89

\- sign 1264.045+/-0.172 χ^2/NDF: 551822.2/45



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

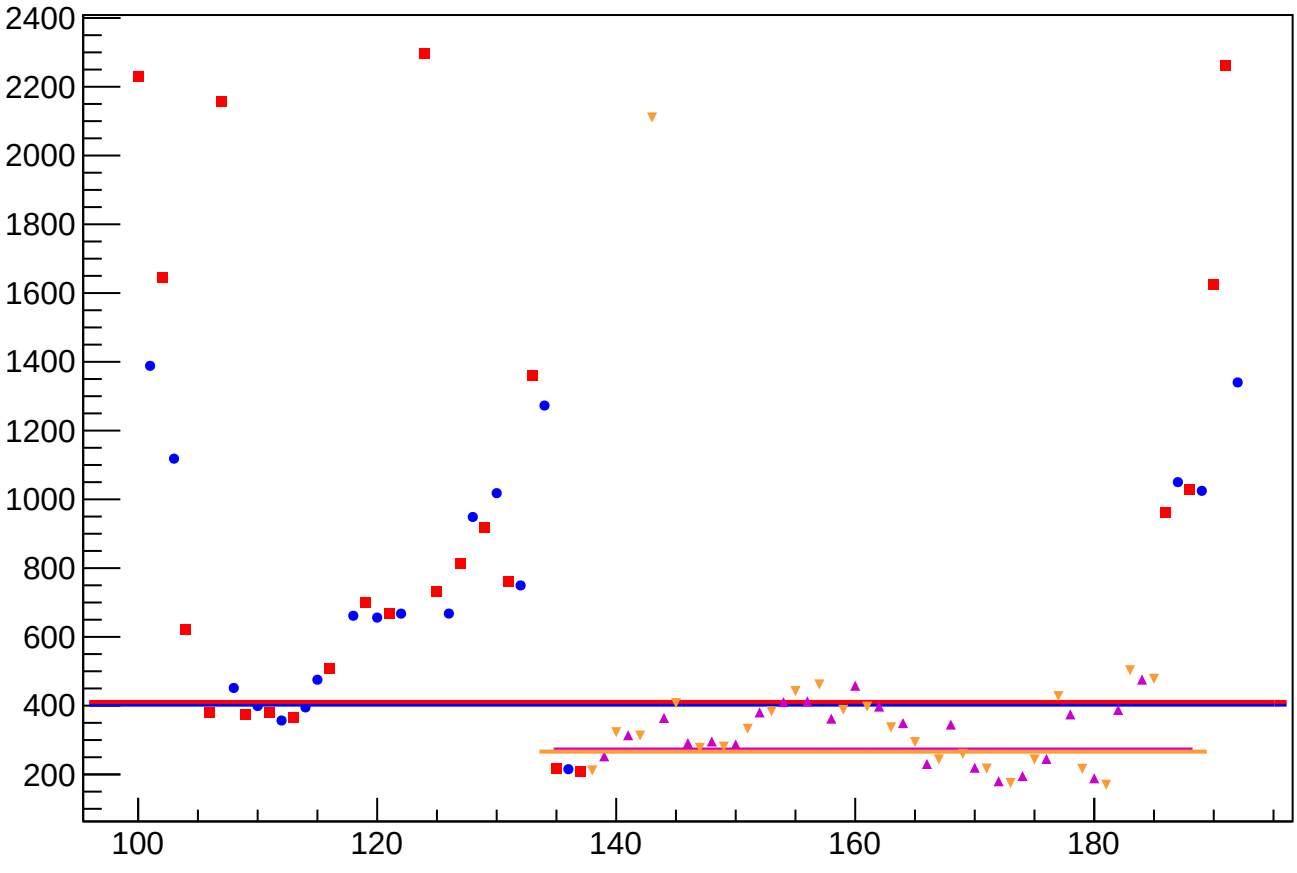
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -153.082+/-60.546 χ^2/NDF: 69.0/43

All: -140.156+/-43.360 χ^2/NDF: 100.6/89

- sign -126.548+/-62.125 χ^2/NDF: 31.5/45

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 402.982+/-0.117 χ^2/NDF: 5712832.6/18

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

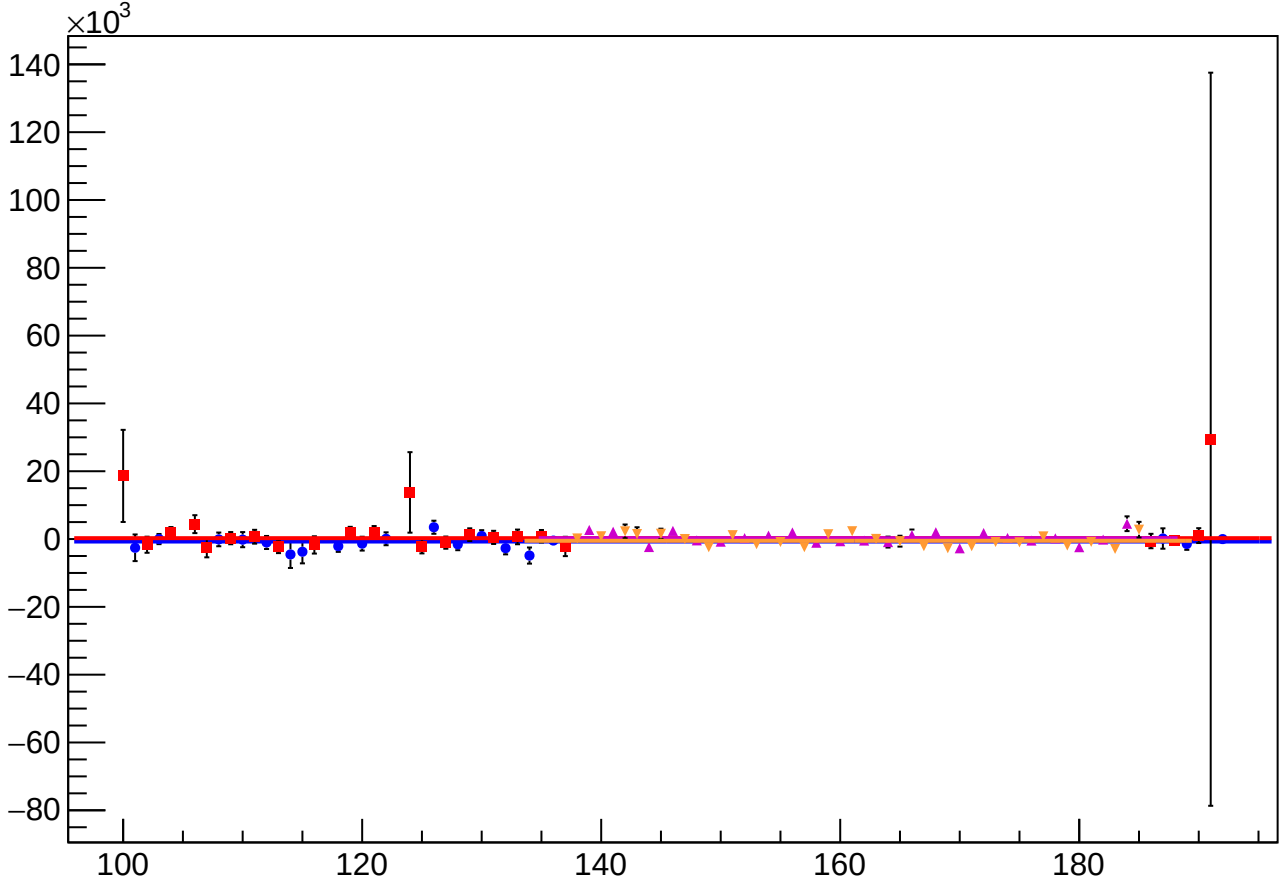
Right Out: 410.866+/-0.117 χ^2/NDF: 5623032.0/22

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 284.631+/-0.043 χ^2/NDF: 11524932.4/43

All: 288.127+/-0.031 χ^2/NDF: 21248019.1/89

- sign 291.808+/-0.044 χ^2/NDF: 9709398.6/45



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

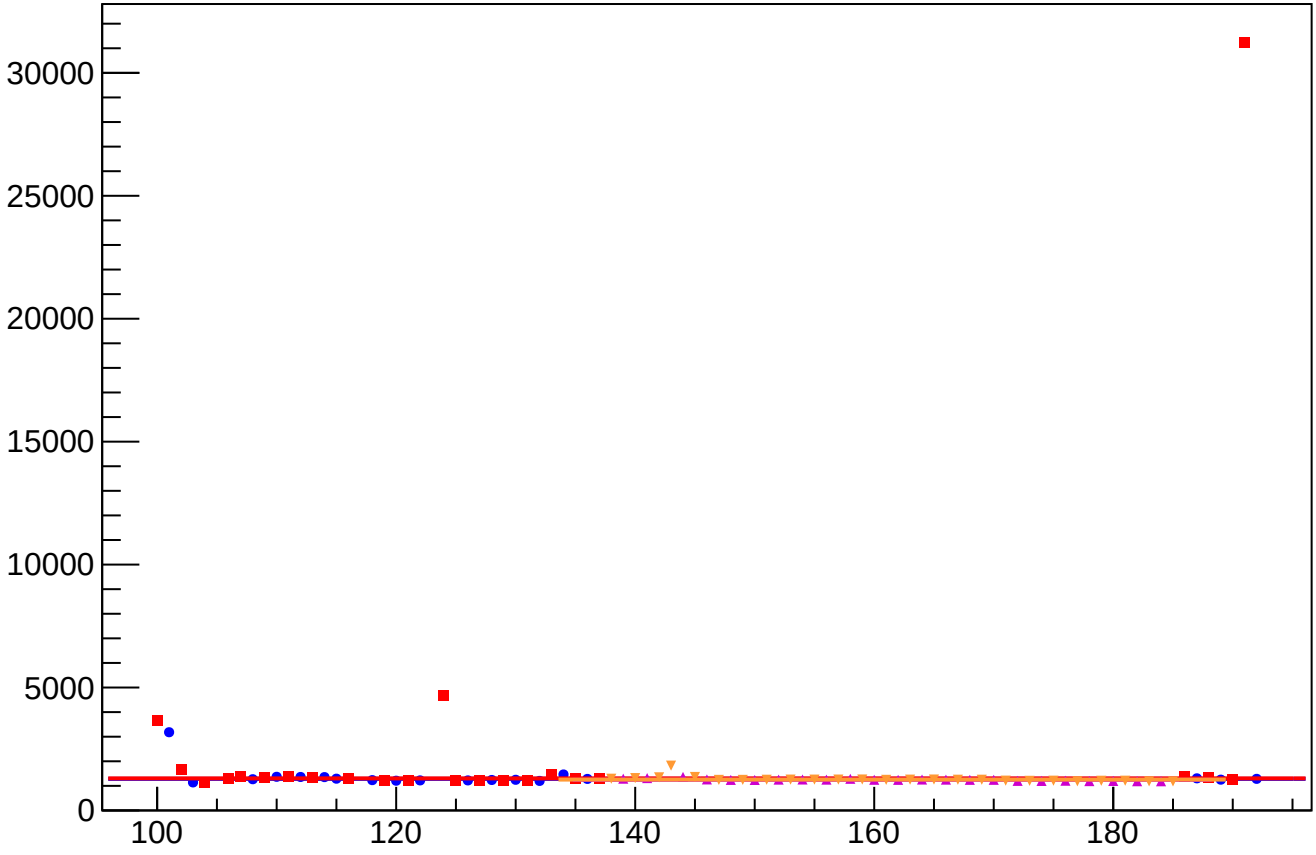
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -579.639+/-239.212 χ^2/NDF: 45.1/43

All: -172.066+/-170.355 χ^2/NDF: 99.5/89

- sign 247.348+/-242.662 χ^2/NDF: 48.5/45

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1284.287+/-0.309 χ^2/NDF: 518952.8/18

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

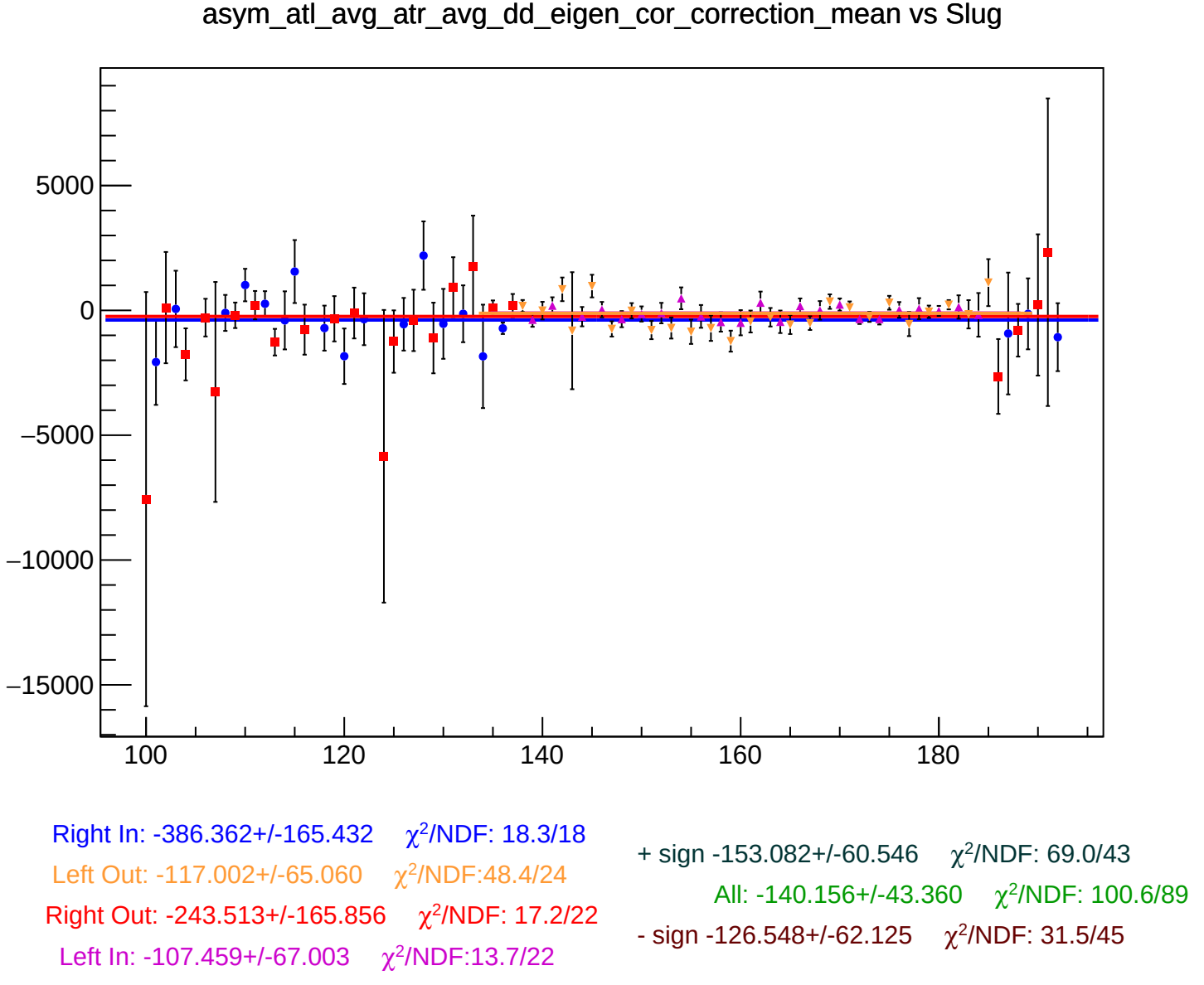
Right Out: 1304.275+/-0.310 χ^2/NDF: 487793.5/22

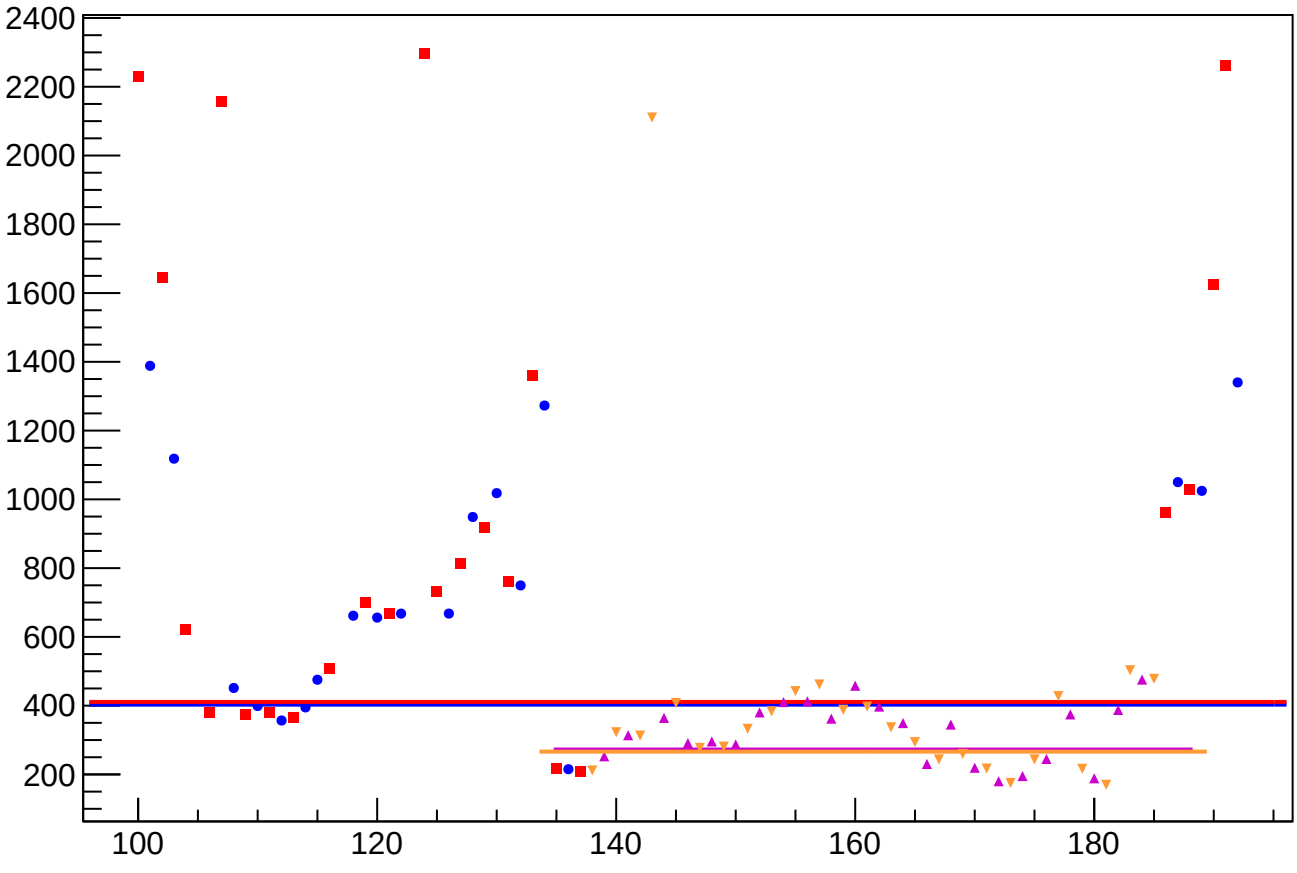
Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

\+ sign 1264.150+/-0.169 χ^2/NDF: 728155.3/43

All: 1264.098+/-0.120 χ^2/NDF: 1279977.8/89

\- sign 1264.045+/-0.172 χ^2/NDF: 551822.2/45


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
120
140
160
180
Right In: -386.362+/-165.432 χ²/NDF: 18.3/18
Left Out: -117.002+/-65.060 χ²/NDF:48.4/24
Right Out: -243.513+/-165.856 χ²/NDF: 17.2/22
Left In: -107.459+/-67.003 χ²/NDF:13.7/22
+ sign -153.082+/-60.546 χ²/NDF: 69.0/43
All: -140.156+/-43.360 χ²/NDF: 100.6/89
- sign -126.548+/-62.125 χ²/NDF: 31.5/45



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

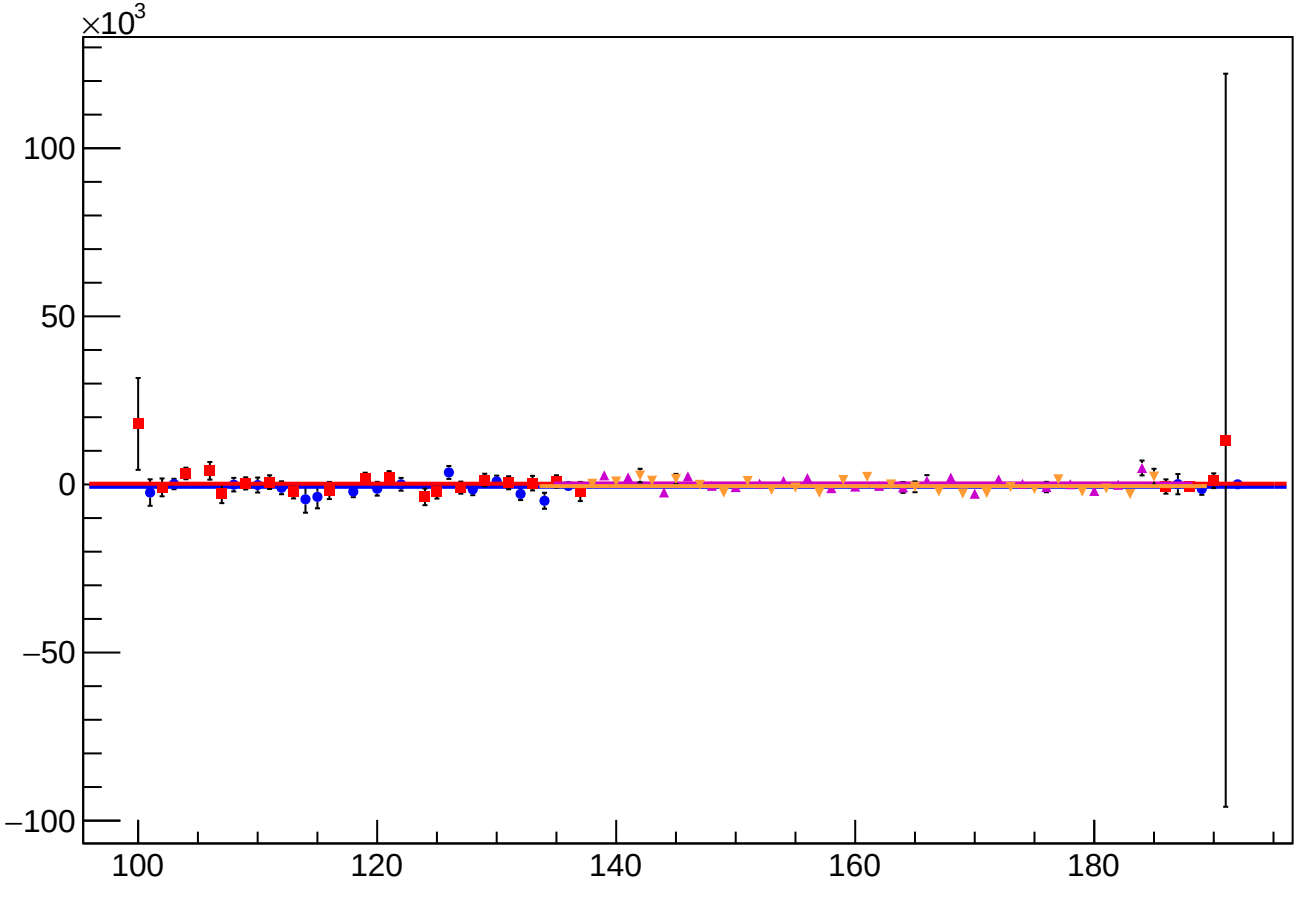
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 284.631+/-0.043 χ^2/NDF: 11524932.4/43

All: 288.127+/-0.031 χ^2/NDF: 21248019.1/89

- sign 291.808+/-0.044 χ^2/NDF: 9709398.6/45

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



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

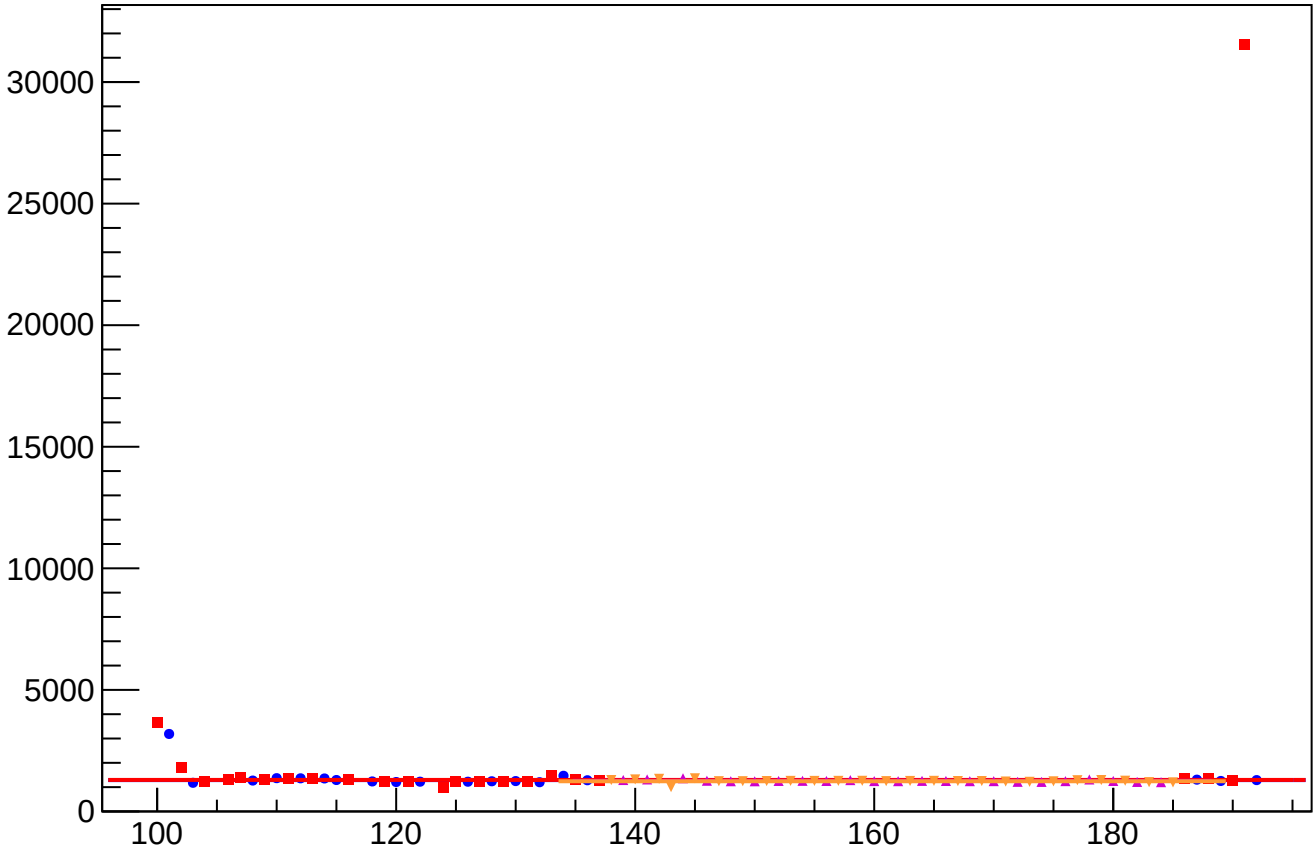
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -554.312+/-237.603 χ^2/NDF: 48.5/43

All: -170.452+/-170.238 χ^2/NDF: 103.2/89

- sign 234.456+/-244.030 χ^2/NDF: 49.3/45

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1289.643+/-0.310 χ^2/NDF: 510361.1/18

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

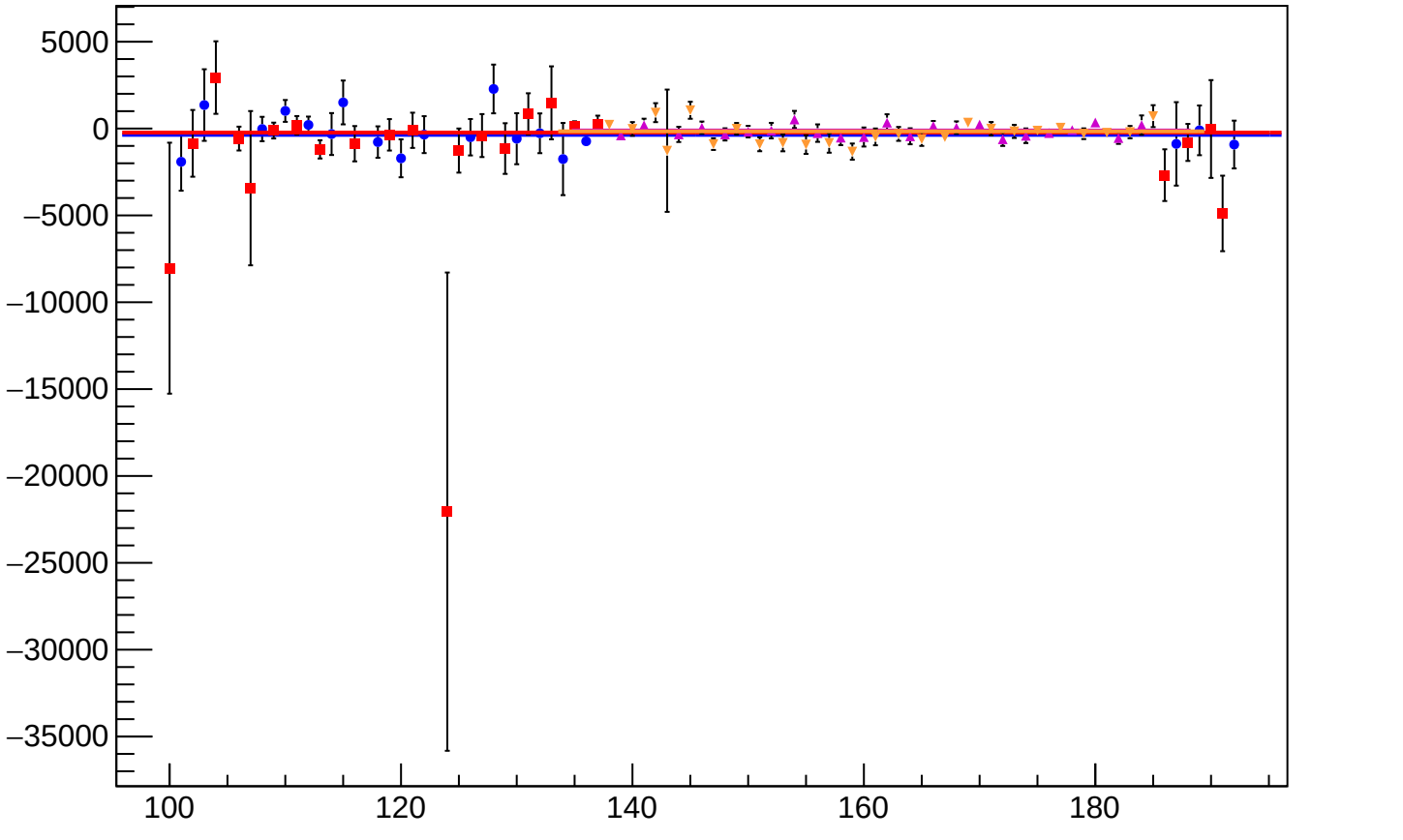
Right Out: 1296.757+/-0.309 χ^2/NDF: 371558.9/22

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1256.377+/-0.168 χ^2/NDF: 656691.9/43

All: 1263.764+/-0.120 χ^2/NDF: 1069856.5/89

- sign 1271.556+/-0.173 χ^2/NDF: 409192.4/45



Right In: -362.710+/-167.122 χ^2/NDF: 18.7/18

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

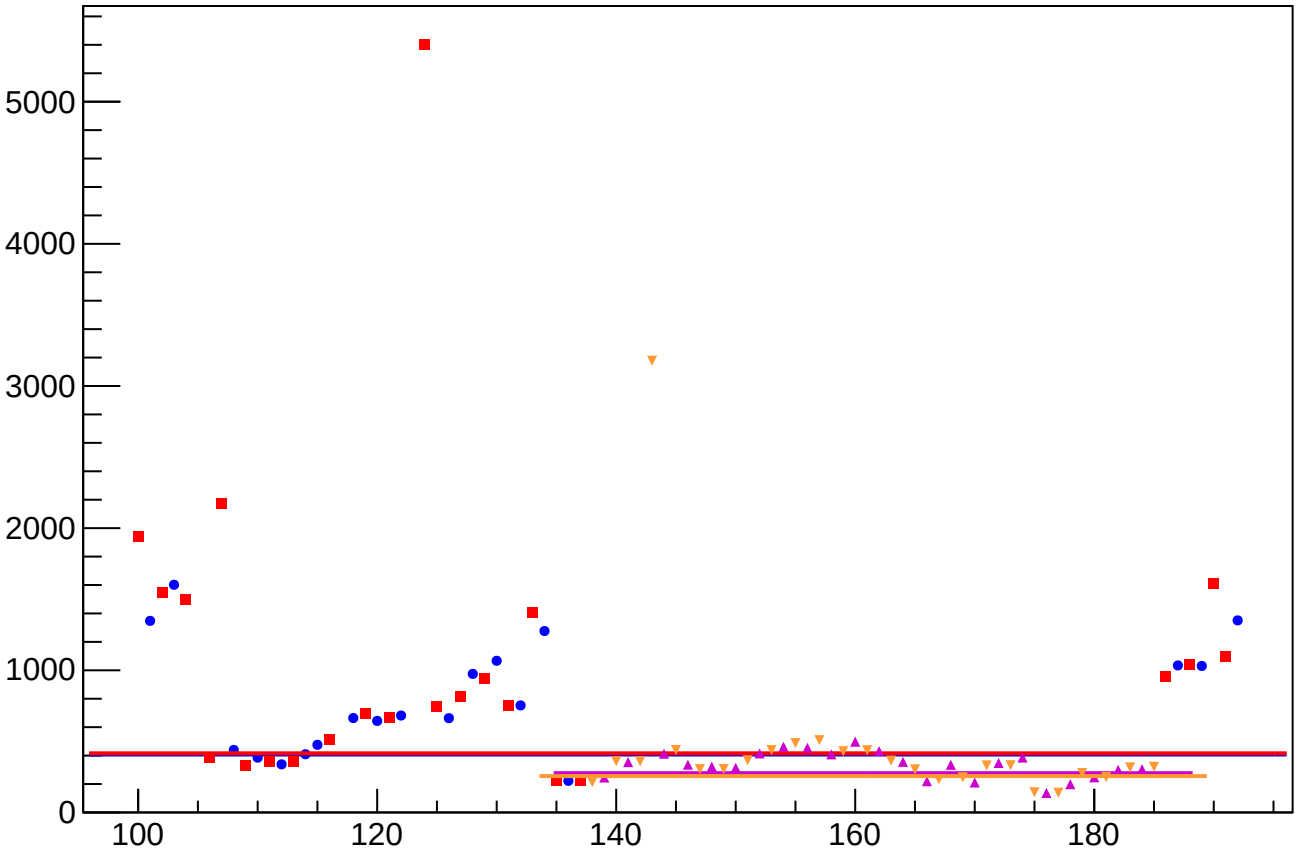
Right Out: -231.797+/-165.727 χ^2/NDF: 23.6/22

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -186.830+/-59.875 χ^2/NDF: 63.7/43

All: -160.632+/-43.587 χ^2/NDF: 106.4/89

- sign -131.097+/-63.574 χ^2/NDF: 42.2/45



Right In: 407.678+/-0.118 χ^2/NDF: 5821860.0/18

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

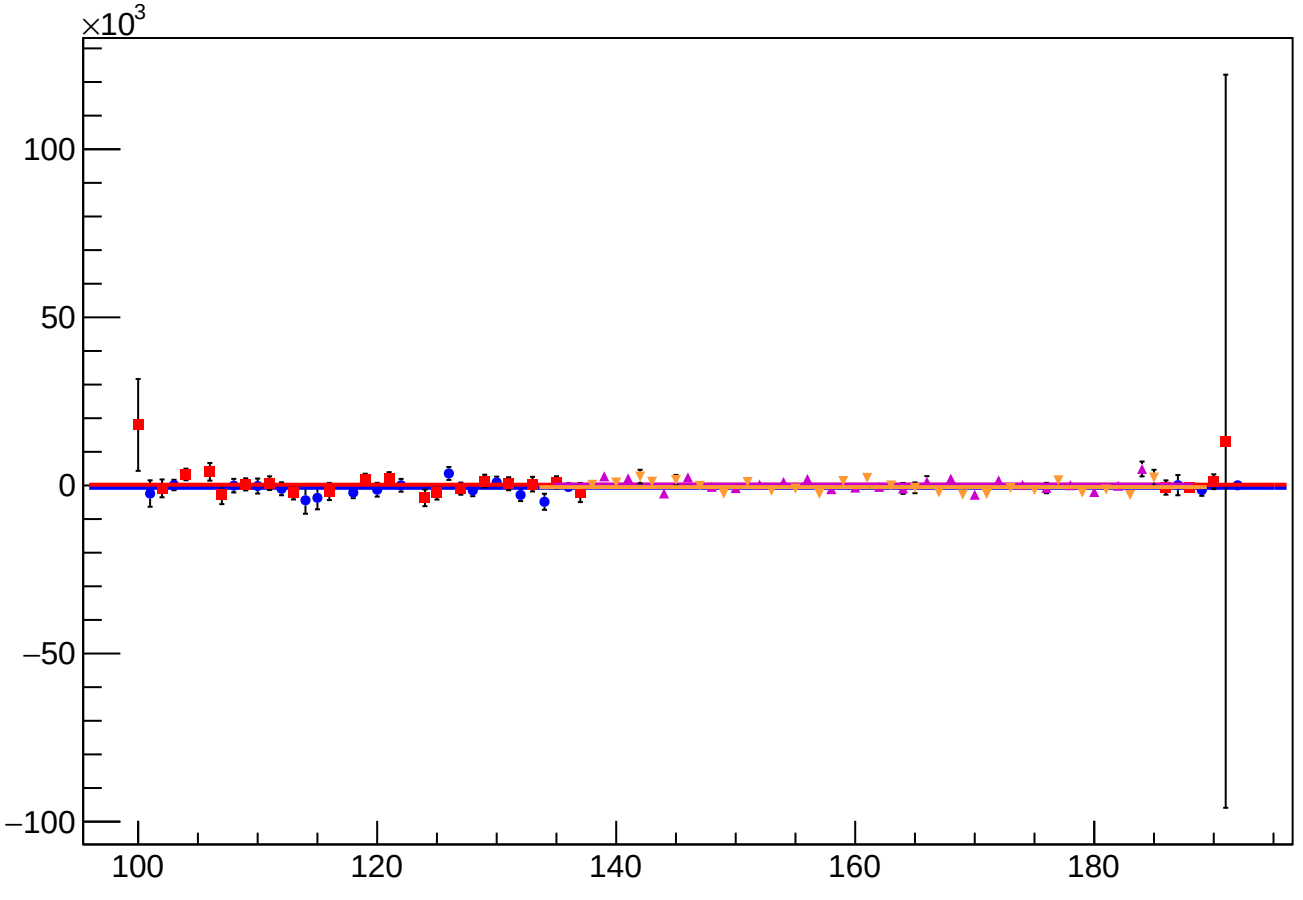
Right Out: 416.002+/-0.117 χ^2/NDF: 6135867.1/22

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 275.267+/-0.042 χ^2/NDF: 13636154.2/43

All: 285.416+/-0.031 χ^2/NDF: 25133740.7/89

- sign 296.856+/-0.045 χ^2/NDF: 11375360.3/45



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

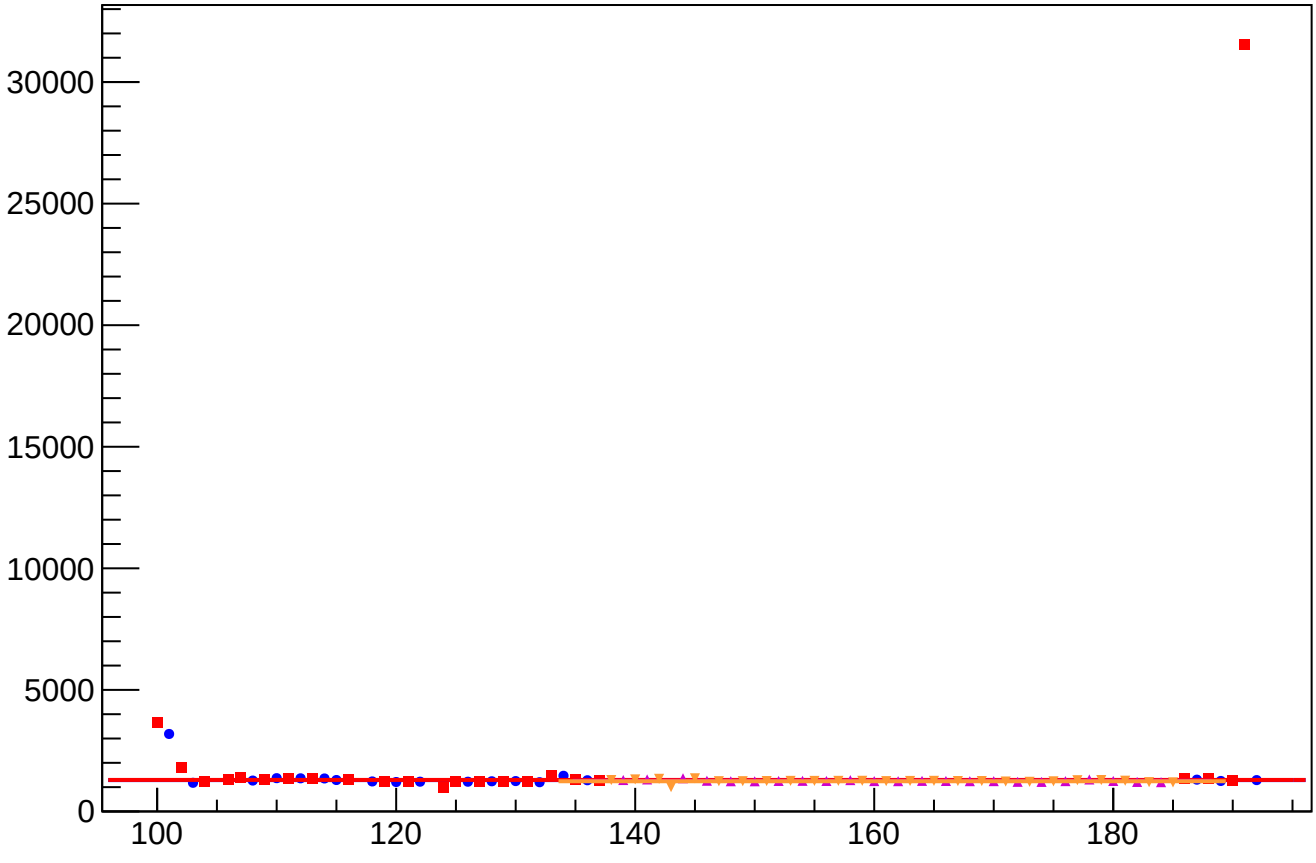
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -554.312+/-237.603 χ^2/NDF: 48.5/43

All: -170.452+/-170.238 χ^2/NDF: 103.2/89

- sign 234.456+/-244.030 χ^2/NDF: 49.3/45

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1289.643+/-0.310 χ^2/NDF: 510361.1/18

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

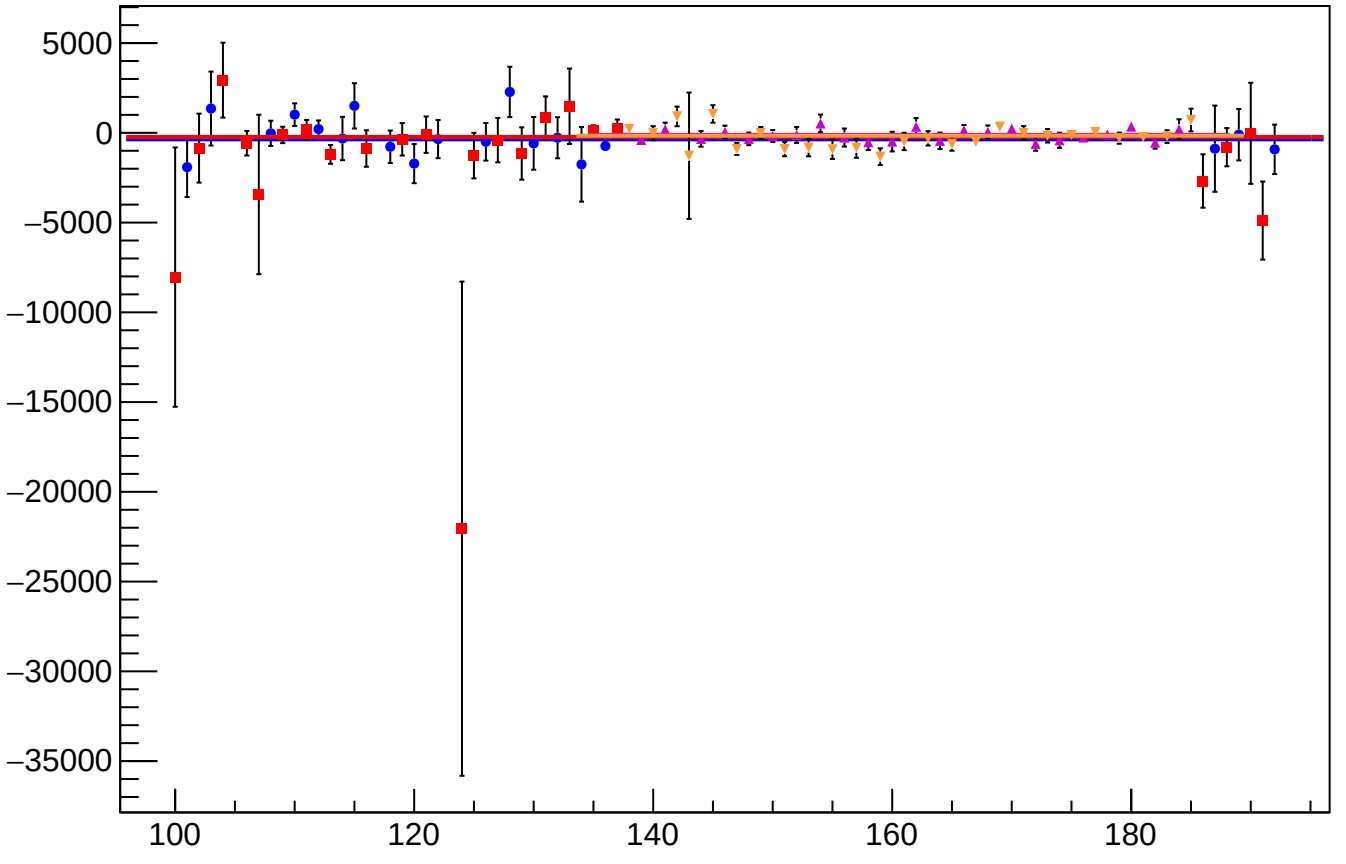
Right Out: 1296.757+/-0.309 χ^2/NDF: 371559.2/22

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1256.377+/-0.168 χ^2/NDF: 656691.0/43

All: 1263.764+/-0.120 χ^2/NDF: 1069856.0/89

- sign 1271.556+/-0.173 χ^2/NDF: 409192.8/45



Right In: -362.710+/-167.125 χ^2/NDF: 18.7/18

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

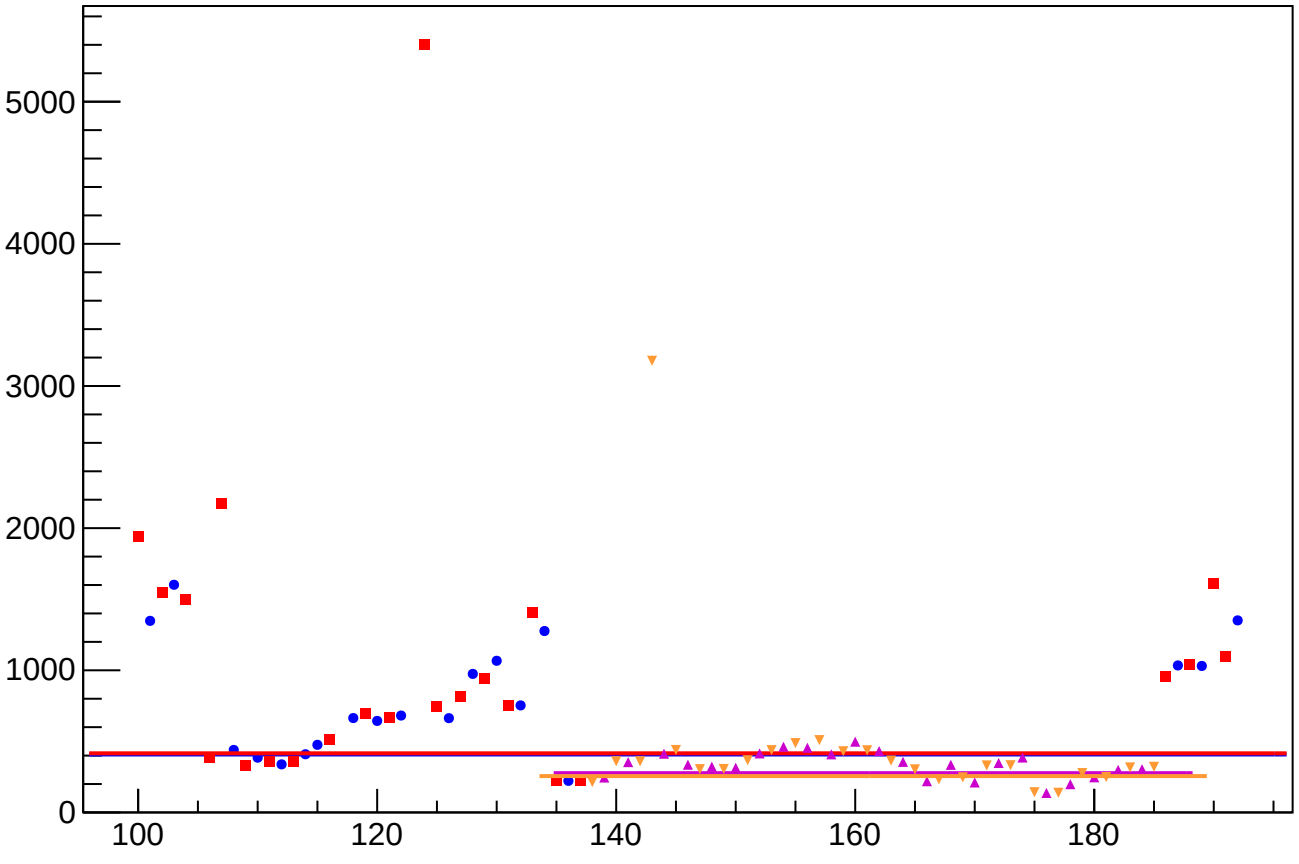
Right Out: -231.805+/-165.729 χ^2/NDF: 23.6/22

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -186.833+/-59.876 χ^2/NDF: 63.7/43

All: -160.633+/-43.587 χ^2/NDF: 106.4/89

- sign -131.096+/-63.574 χ^2/NDF: 42.2/45



Right In: 407.689+/-0.118 χ^2/NDF: 5821635.1/18

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

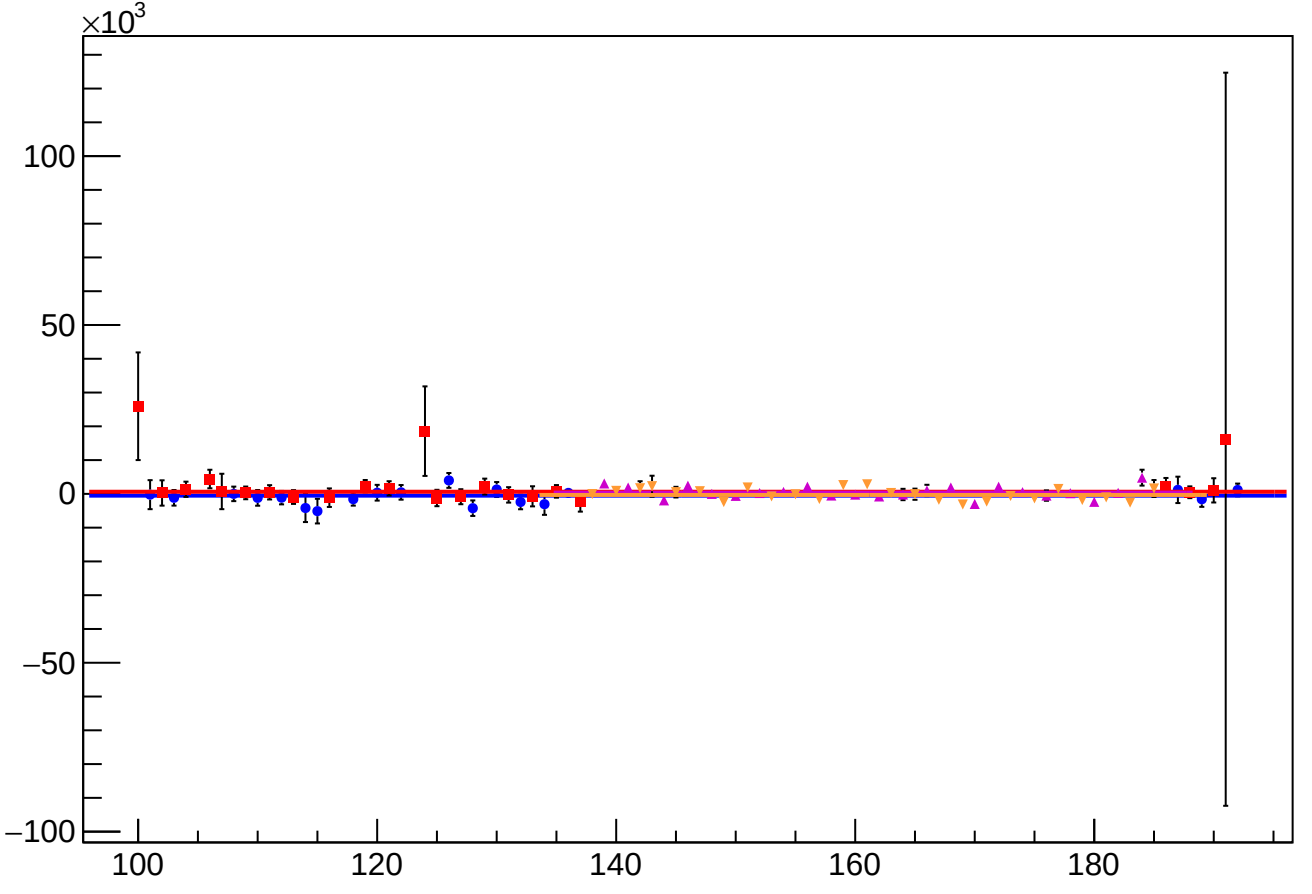
Right Out: 416.011+/-0.117 χ^2/NDF: 6135691.9/22

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 275.269+/-0.042 χ^2/NDF: 13635963.2/43

All: 285.417+/-0.031 χ^2/NDF: 25133433.1/89

- sign 296.858+/-0.045 χ^2/NDF: 11375254.0/45



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

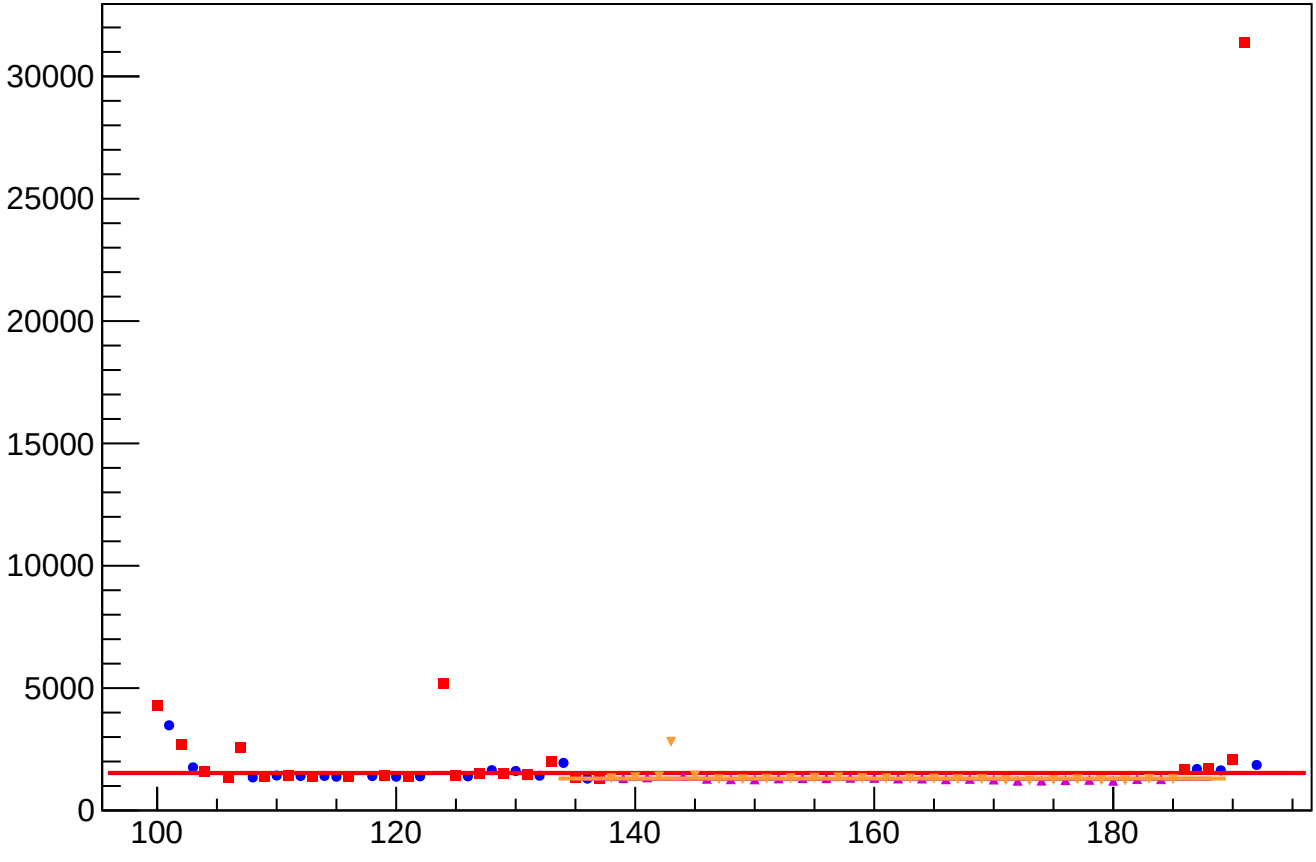
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -369.552+/-258.866 χ^2/NDF: 45.4/43

All: 24.022+/-183.924 χ^2/NDF: 91.6/89

- sign 425.240+/-261.368 χ^2/NDF: 41.6/45

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1525.784+/-0.368 χ^2/NDF: 665922.3/18

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

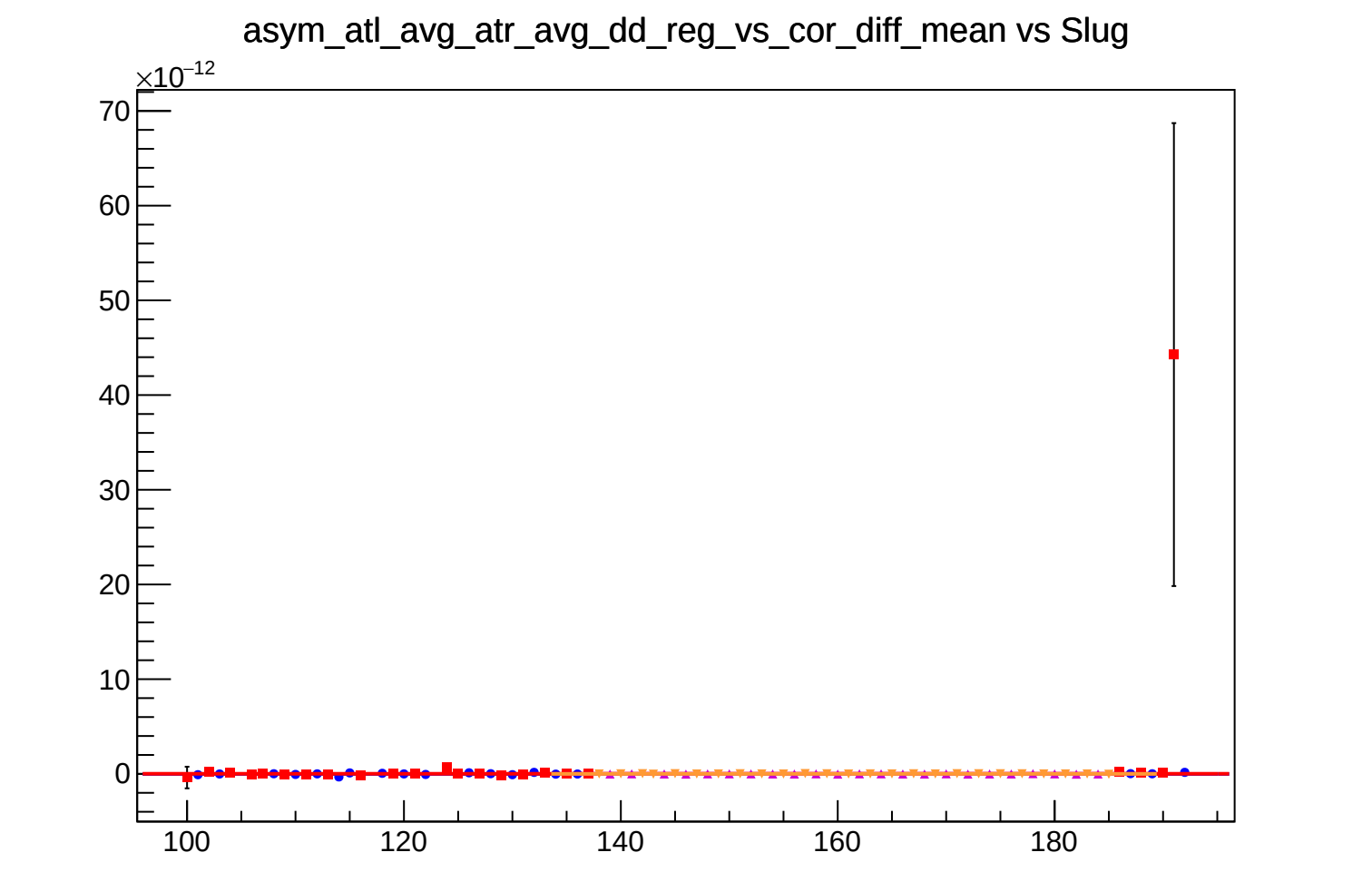
Right Out: 1535.621+/-0.369 χ^2/NDF: 854439.4/22

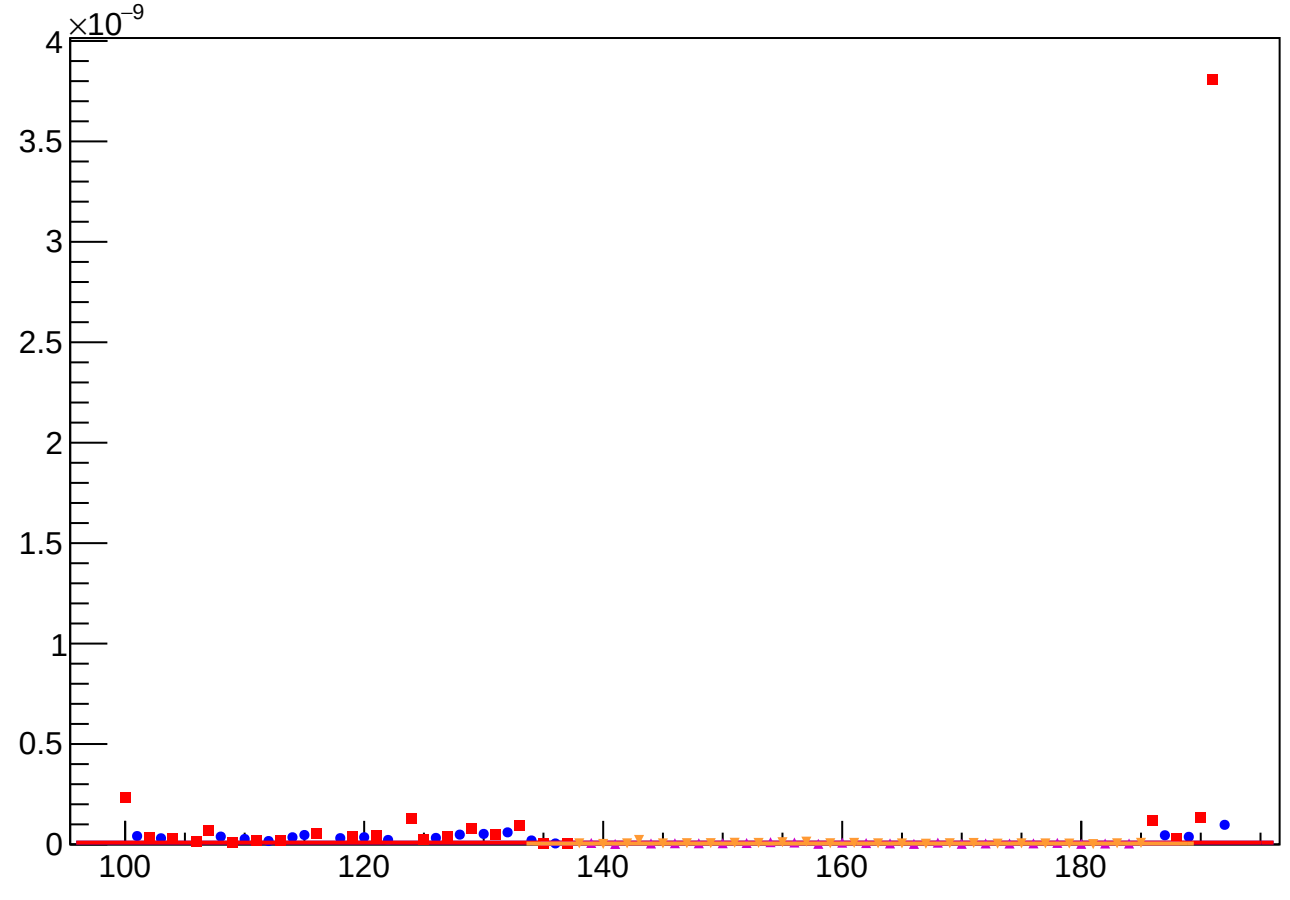
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1358.846+/-0.183 χ^2/NDF: 1458014.6/43

All: 1356.010+/-0.130 χ^2/NDF: 2687192.9/89

- sign 1353.120+/-0.185 χ^2/NDF: 1228693.7/45


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 10.6/18
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.8/22
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 37.6/43
All: 0.000+/-0.000 χ²/NDF: 99.3/89
- sign 0.000+/-0.000 χ²/NDF: 61.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 3883043.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

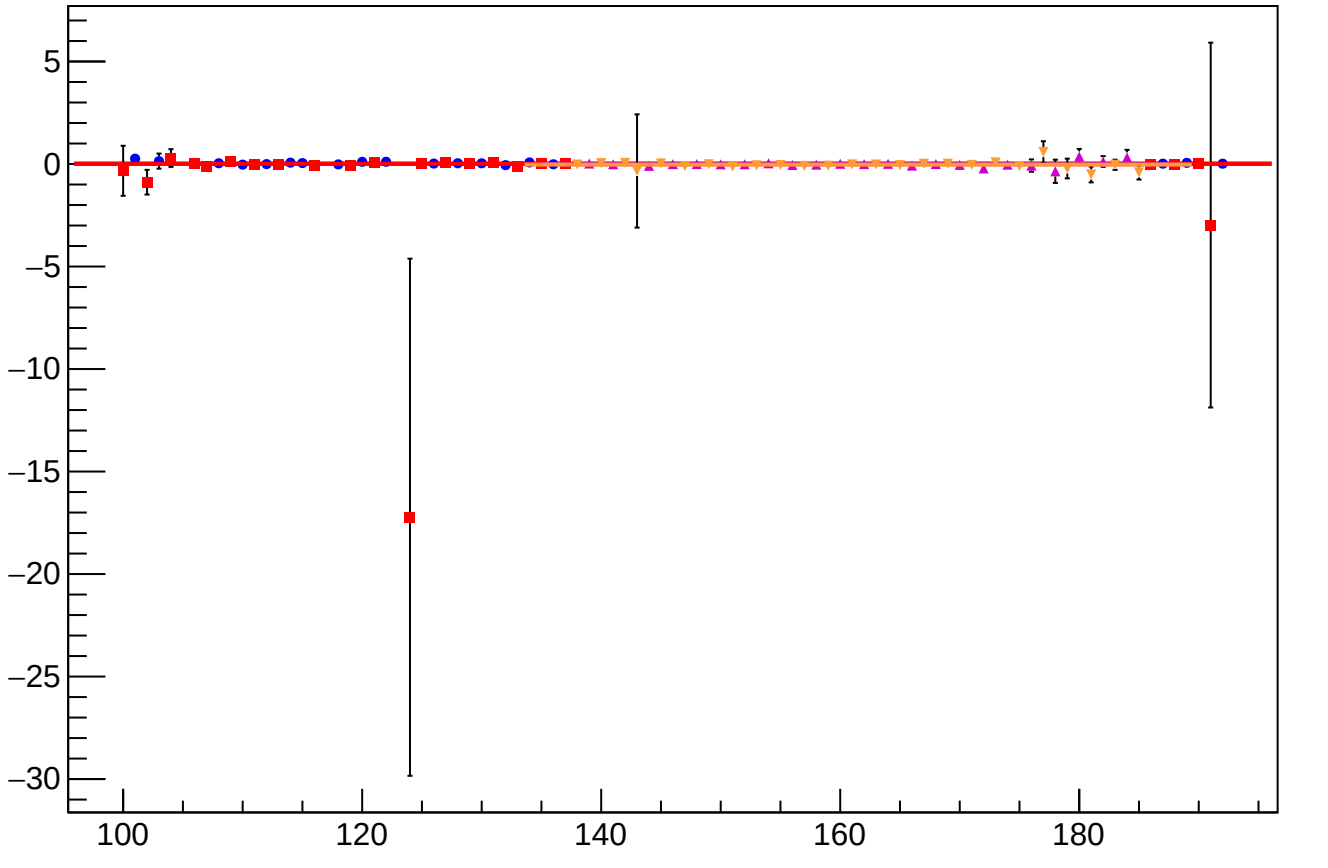
Right Out: 0.000+/-0.000 χ^2/NDF: 4368254.1/22

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7228837.9/43

All: 0.000+/-0.000 χ^2/NDF: 14055760.6/89

- sign 0.000+/-0.000 χ^2/NDF: 6804951.6/45



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

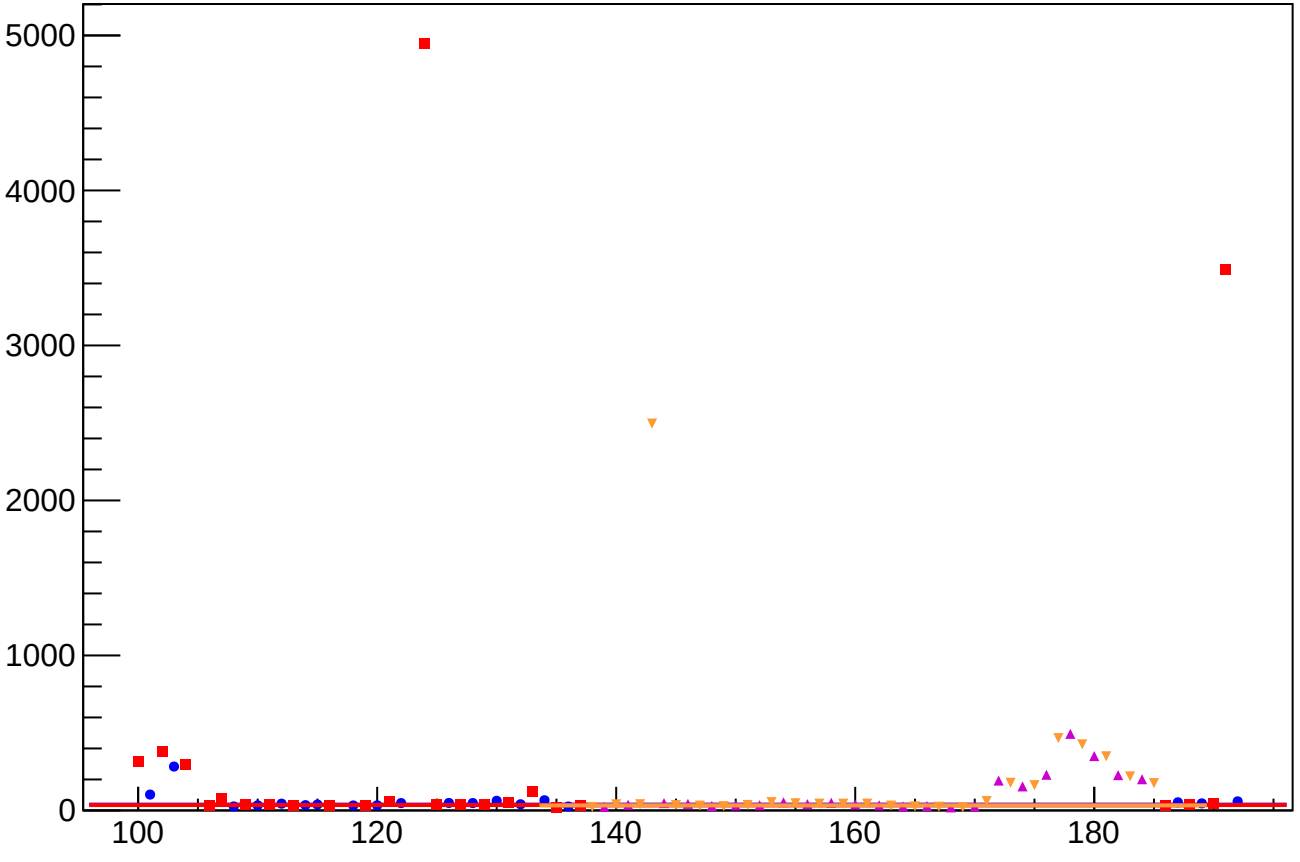
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.009+/-0.006 χ^2/NDF: 78.9/89

\- sign -0.004+/-0.008 χ^2/NDF: 31.2/45

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.488+/-0.010 χ^2/NDF: 2544712.0/18

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

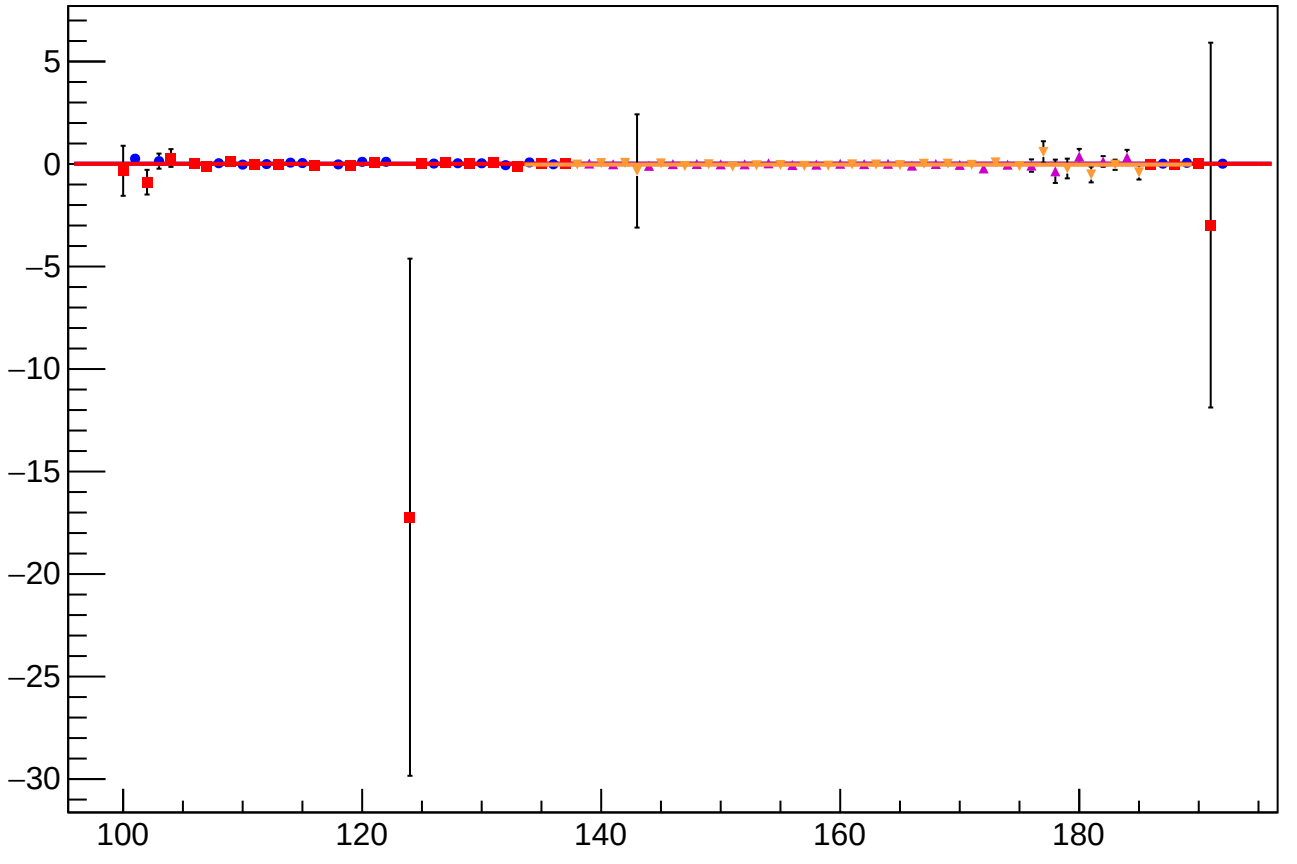
Right Out: 34.926+/-0.010 χ^2/NDF: 3281767.8/22

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576693.3/43

All: 33.723+/-0.004 χ^2/NDF: 25860999.8/89

- sign 33.436+/-0.006 χ^2/NDF: 12278838.4/45



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

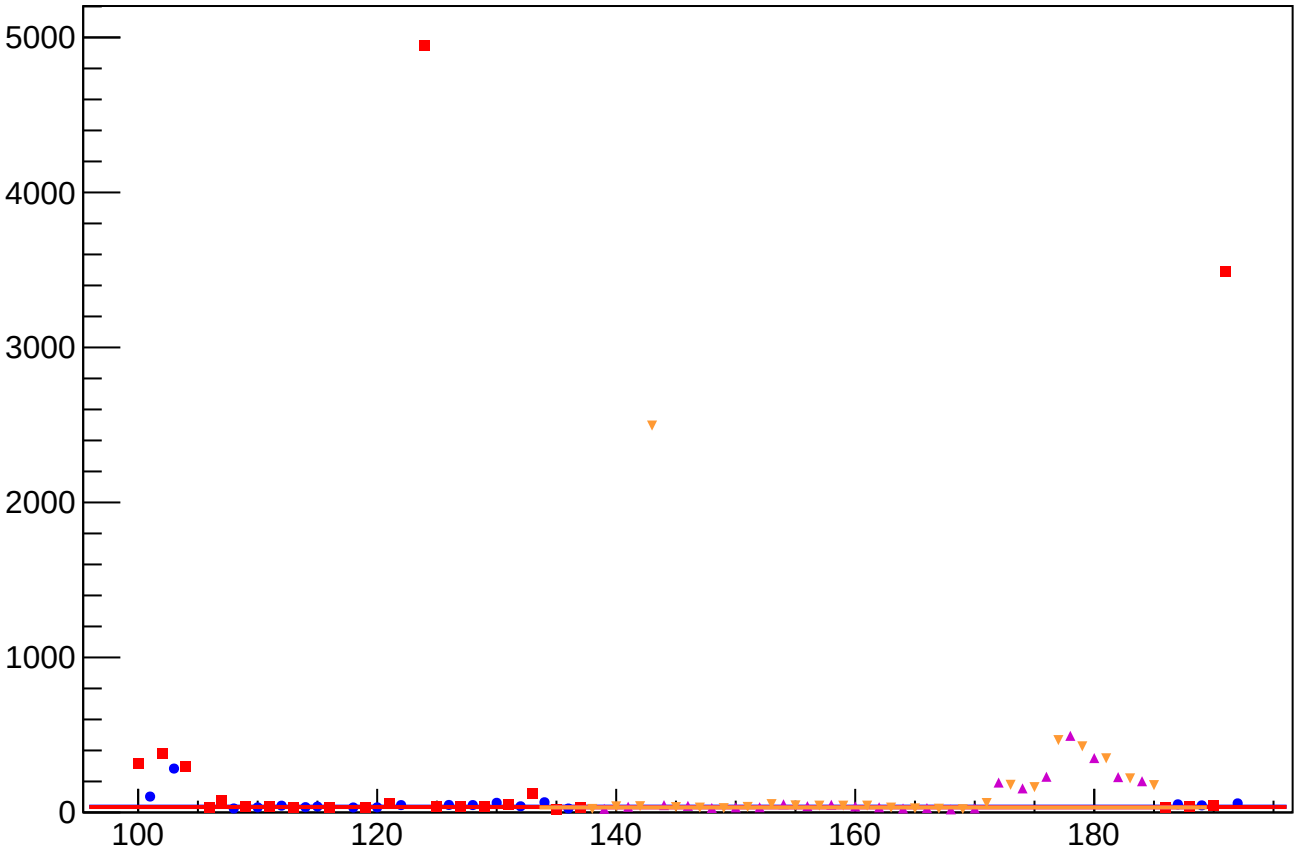
Right Out: 0.009+/-0.014 χ^2/NDF: 16.6/22

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.009+/-0.006 χ^2/NDF: 78.9/89

- sign -0.004+/-0.008 χ^2/NDF: 31.2/45



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

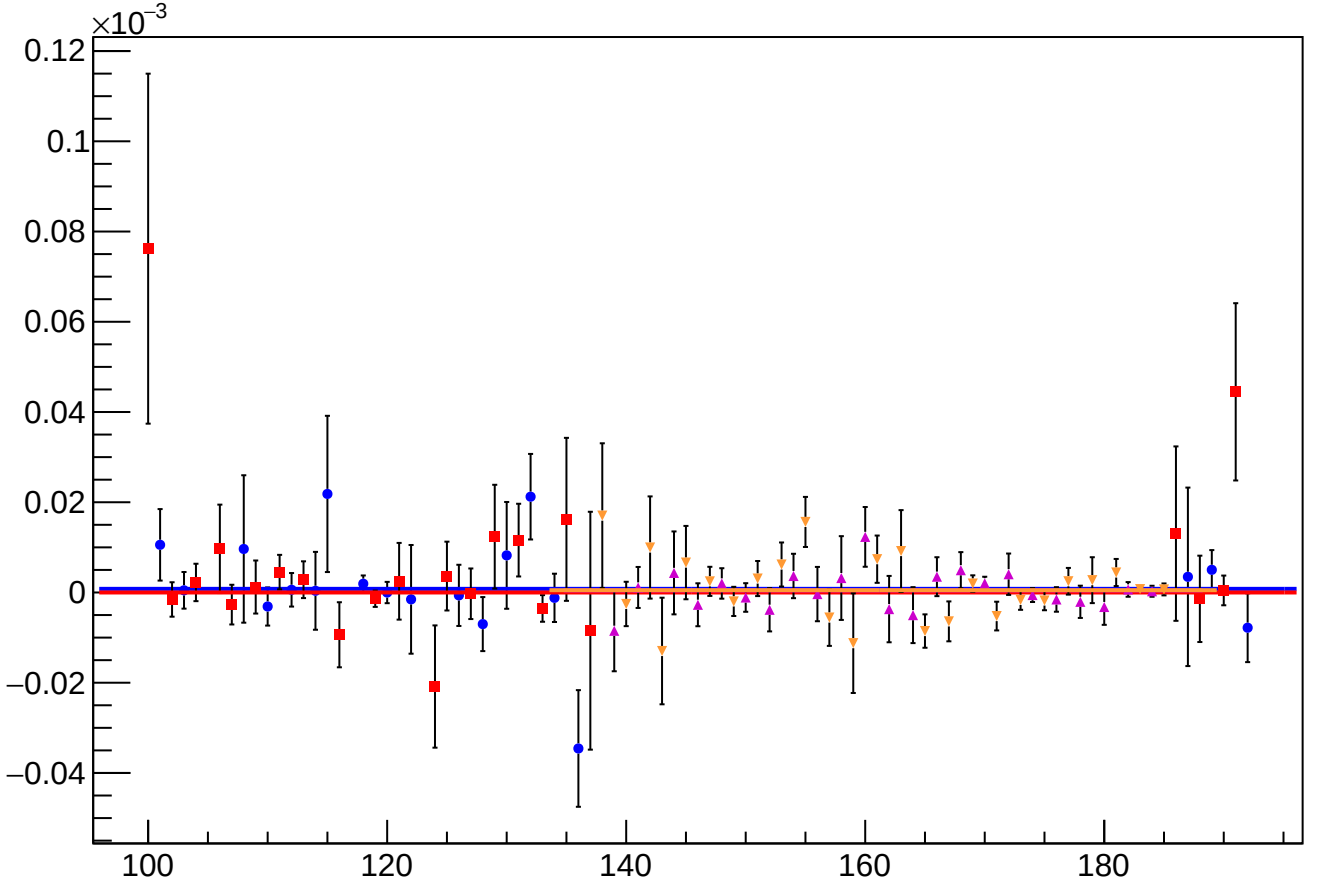
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576693.3/43

All: 33.723+/-0.004 χ^2/NDF: 25860999.8/89

- sign 33.436+/-0.006 χ^2/NDF: 12278838.4/45

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

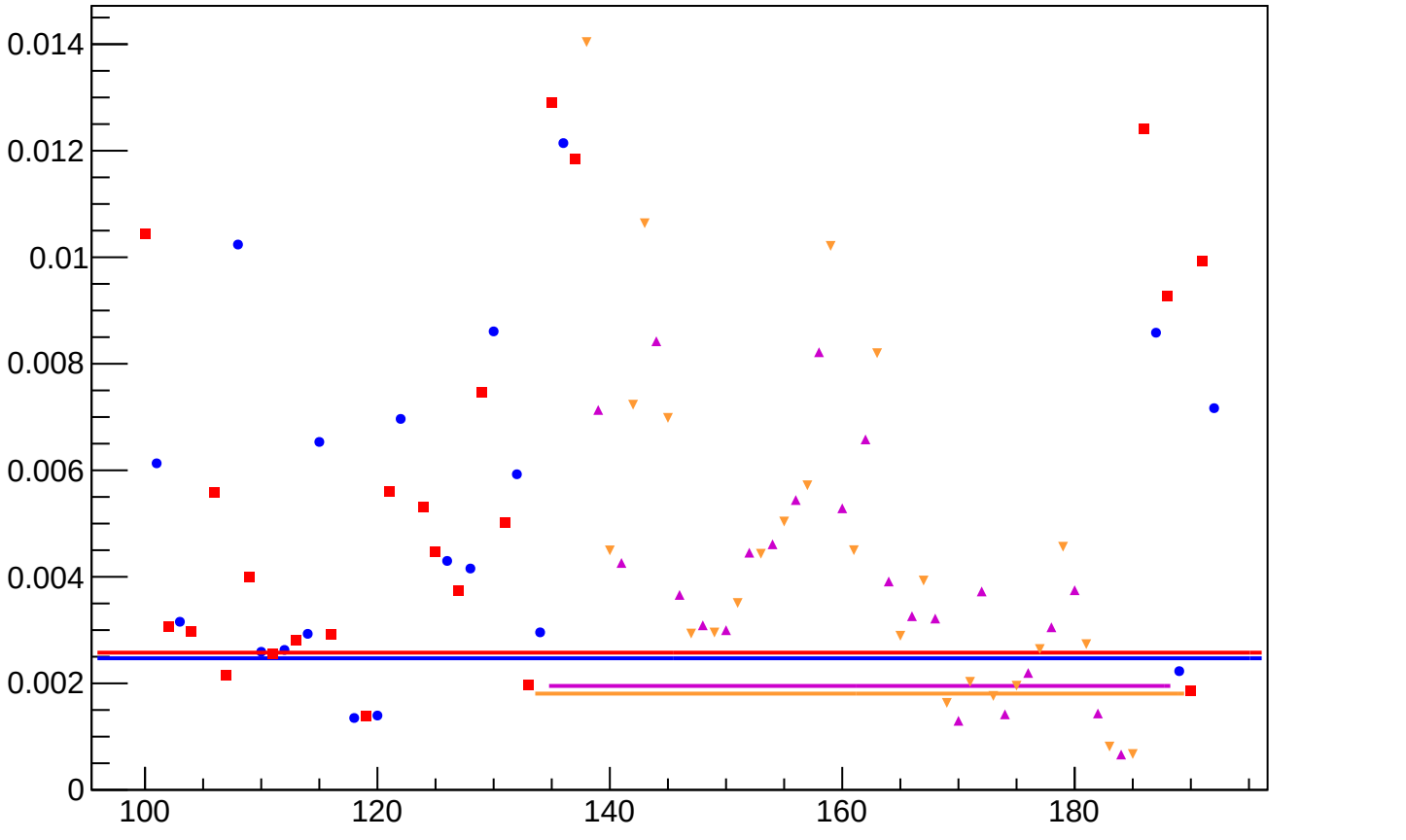
Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/22

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.1/43

All: 0.000+/-0.000 χ^2/NDF: 94.8/89

- sign 0.000+/-0.000 χ^2/NDF: 37.6/45



Right In: 0.002+/-0.000 χ^2/NDF: 5694208.4/18

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

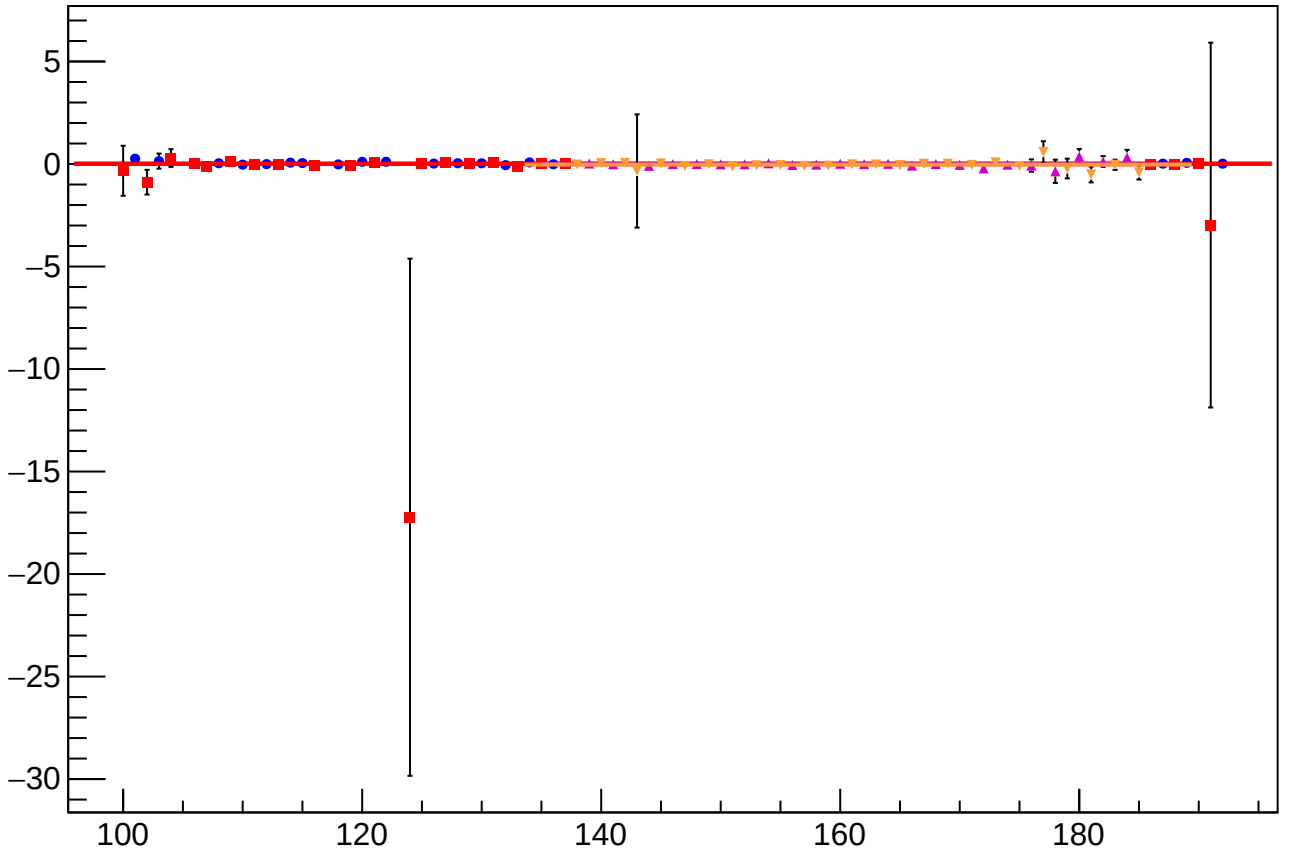
Right Out: 0.003+/-0.000 χ^2/NDF: 5274953.9/22

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 21253494.4/43

All: 0.002+/-0.000 χ^2/NDF: 38692907.4/89

- sign 0.002+/-0.000 χ^2/NDF: 17329710.3/45



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

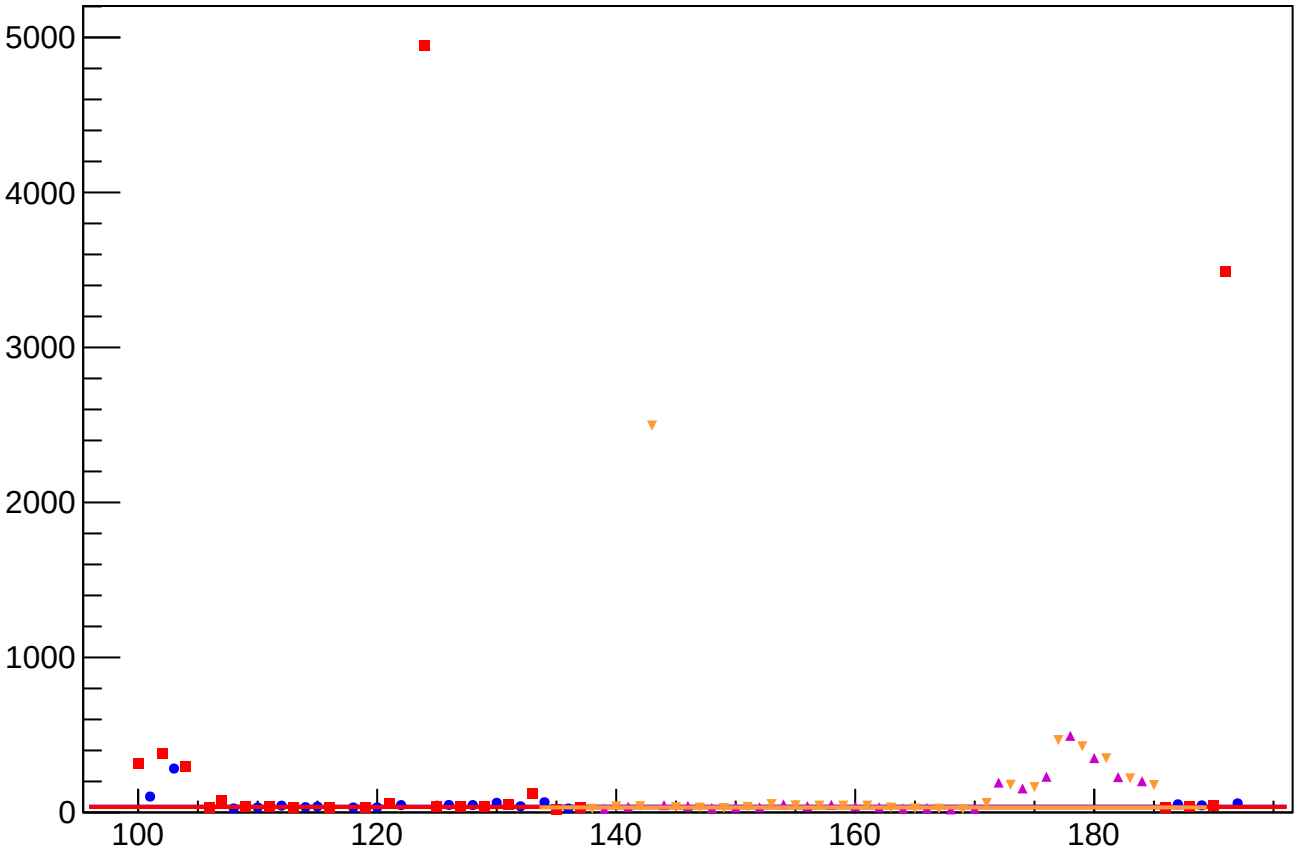
Right Out: 0.009+/-0.014 χ^2/NDF: 16.6/22

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.009+/-0.006 χ^2/NDF: 78.9/89

- sign -0.004+/-0.008 χ^2/NDF: 31.2/45



Right In: 37.489+/-0.010 χ^2/NDF: 2544334.6/18

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

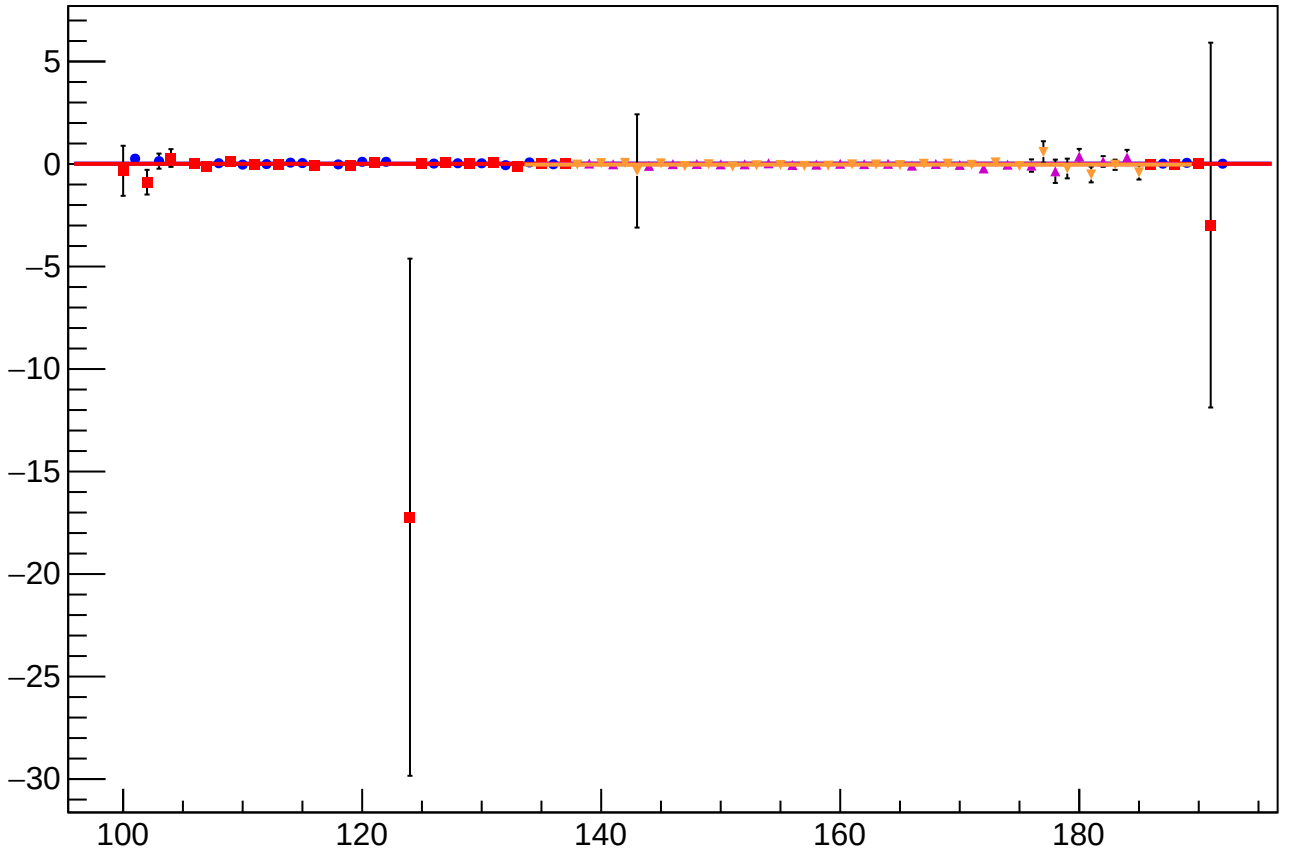
Right Out: 34.927+/-0.010 χ^2/NDF: 3281579.6/22

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576671.6/43

All: 33.723+/-0.004 χ^2/NDF: 25861492.2/89

- sign 33.435+/-0.006 χ^2/NDF: 12279333.0/45



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

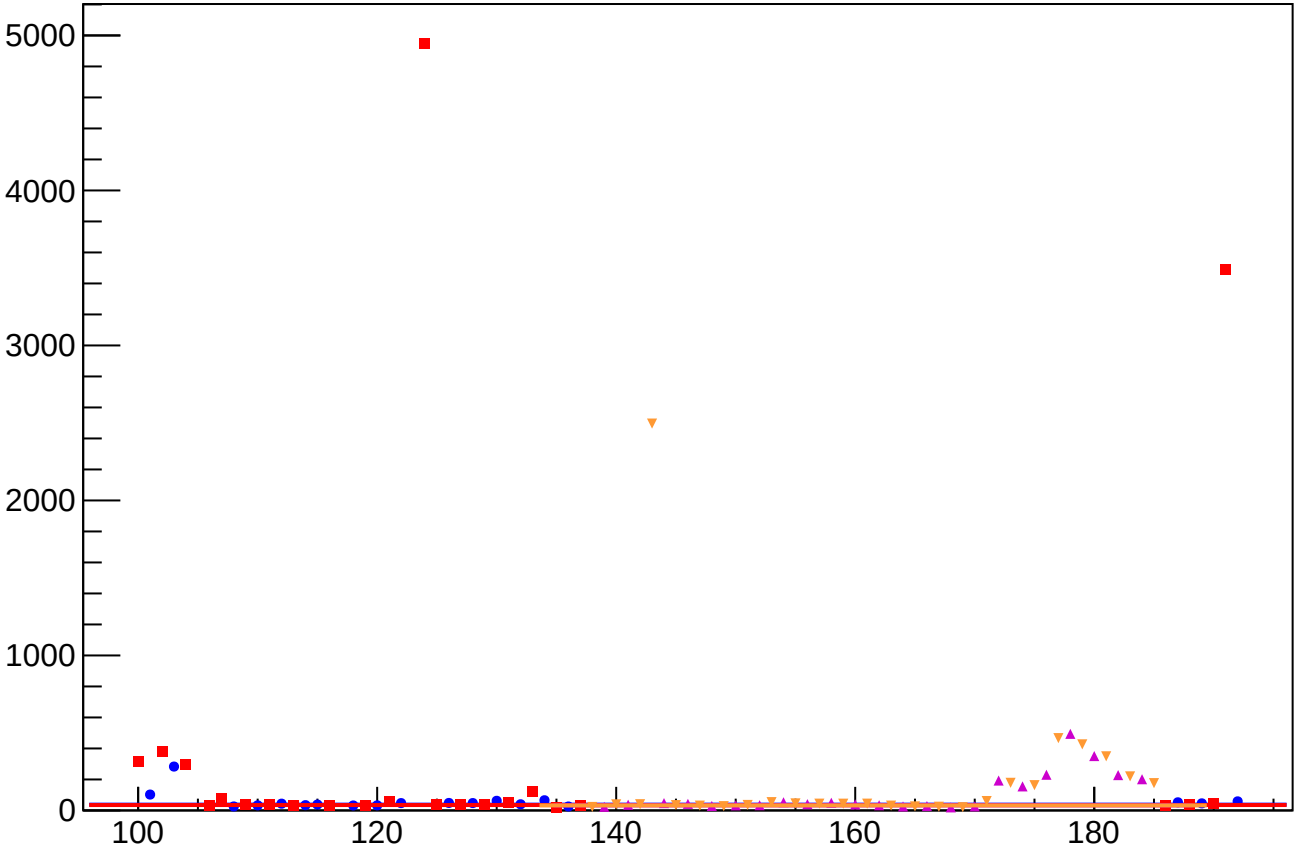
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.009+/-0.006 χ^2/NDF: 78.9/89

- sign -0.004+/-0.008 χ^2/NDF: 31.2/45

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.489+/-0.010 χ^2/NDF: 2544334.6/18

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

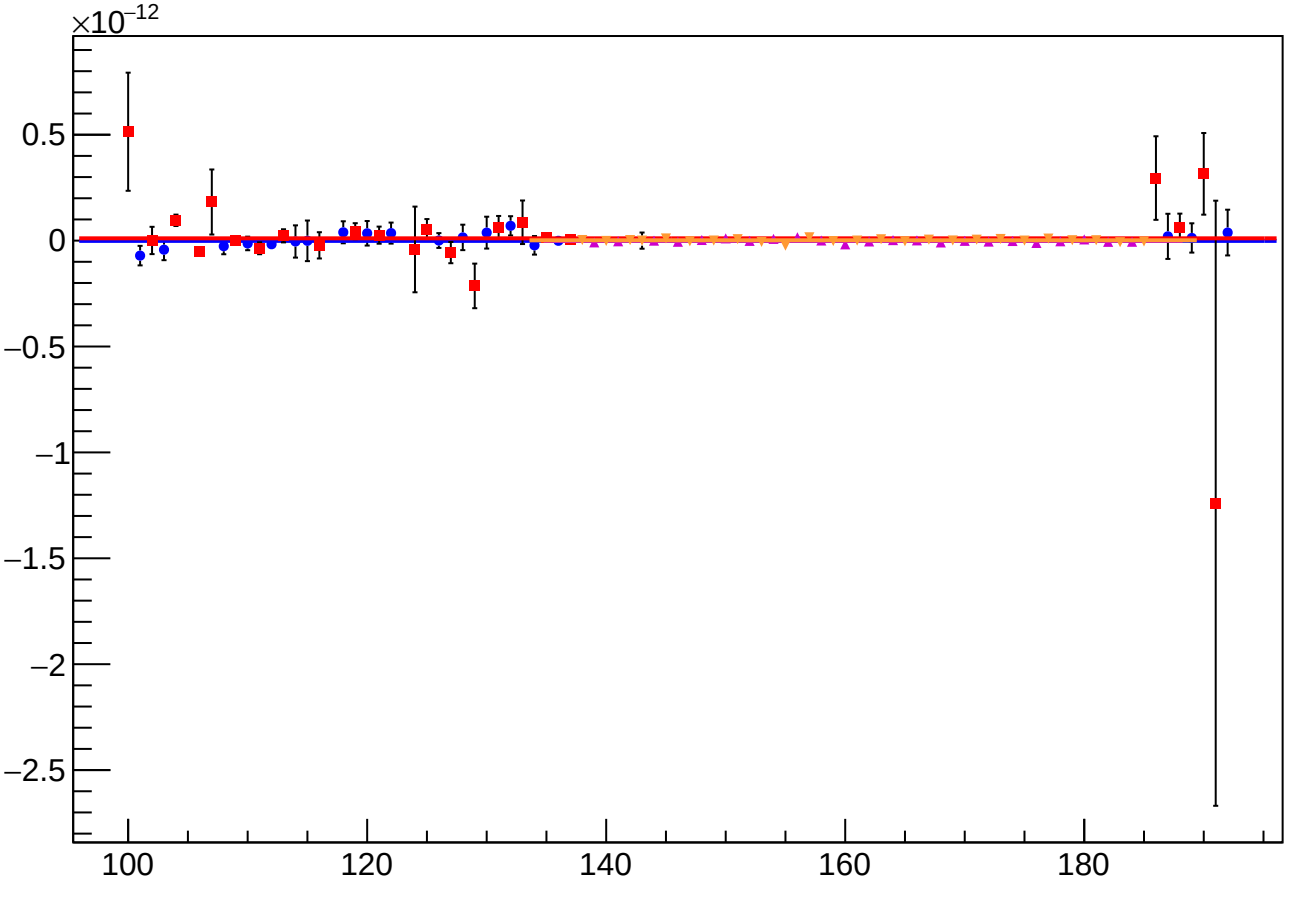
Right Out: 34.927+/-0.010 χ^2/NDF: 3281579.6/22

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576671.6/43

All: 33.723+/-0.004 χ^2/NDF: 25861492.2/89

- sign 33.435+/-0.006 χ^2/NDF: 12279333.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 8.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

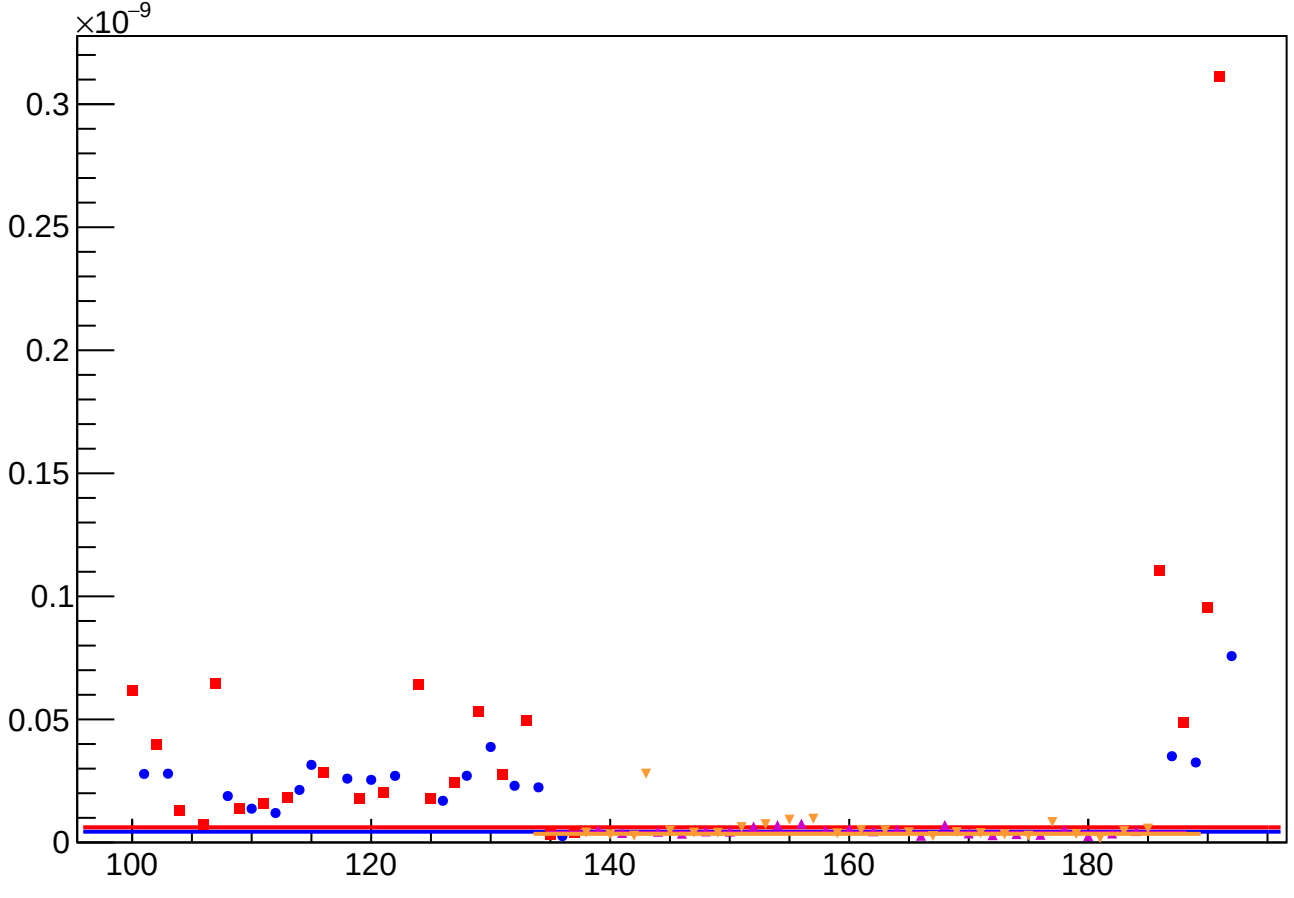
Right Out: 0.000+/-0.000 χ^2/NDF: 45.9/22

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.5/43

All: 0.000+/-0.000 χ^2/NDF: 110.9/89

- sign -0.000+/-0.000 χ^2/NDF: 82.3/45



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

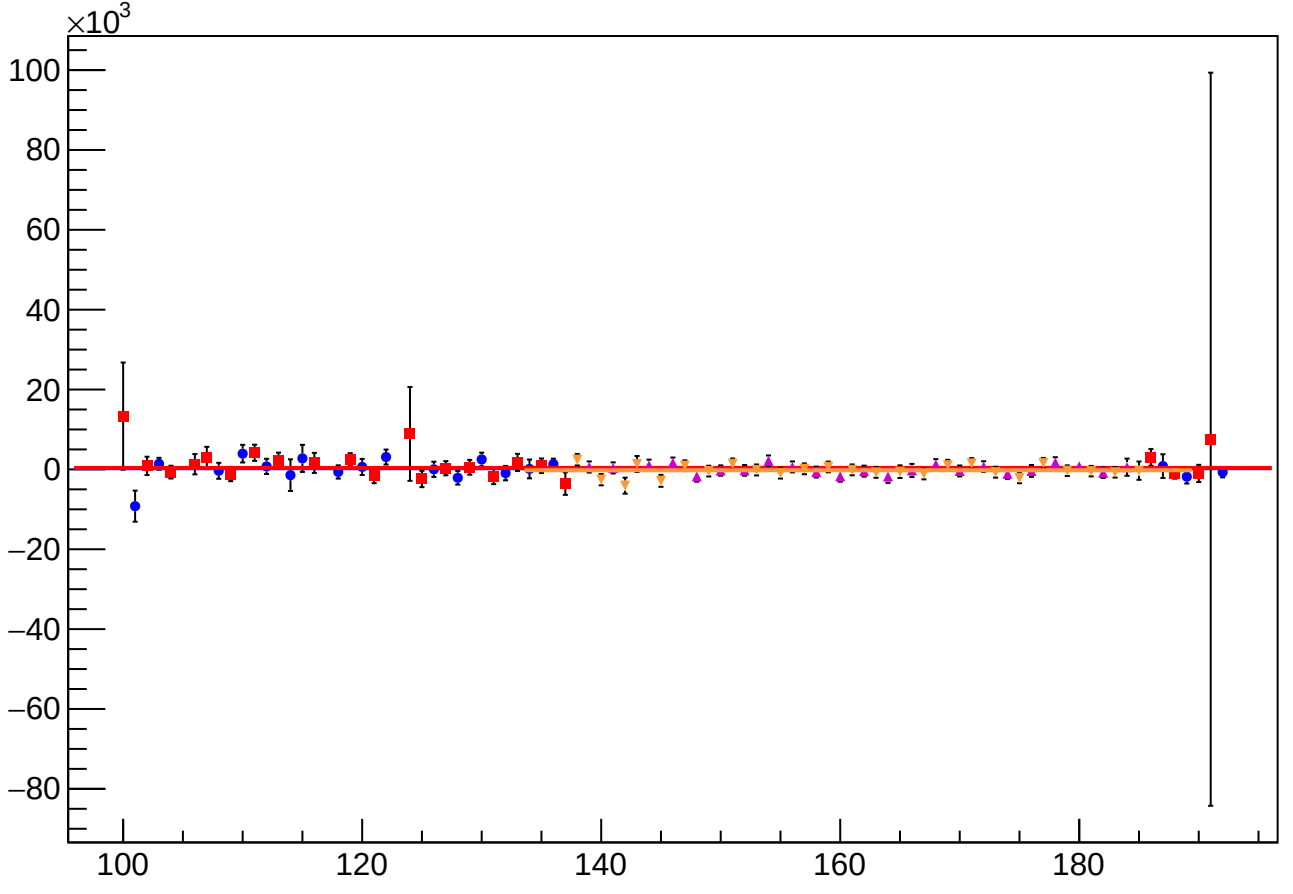
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11264209.9/43

All: 0.000+/-0.000 χ^2/NDF: 20938963.3/89

- sign 0.000+/-0.000 χ^2/NDF: 9399105.3/45

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



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

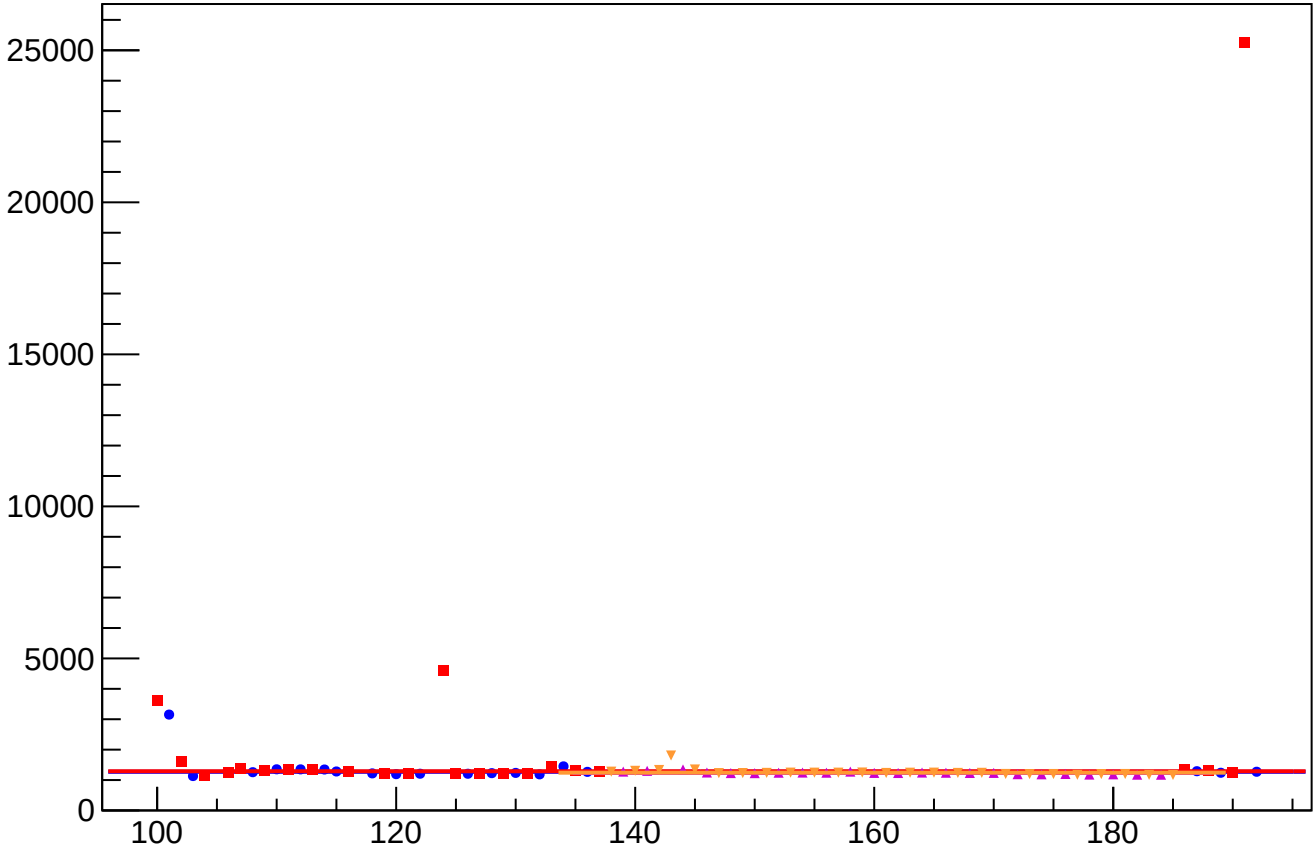
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -67.041+/-236.785 χ^2/NDF: 44.5/43

All: 53.777+/-168.582 χ^2/NDF: 79.9/89

- sign 177.972+/-240.072 χ^2/NDF: 34.8/45

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1271.085+/-0.306 χ^2/NDF: 520096.4/18

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

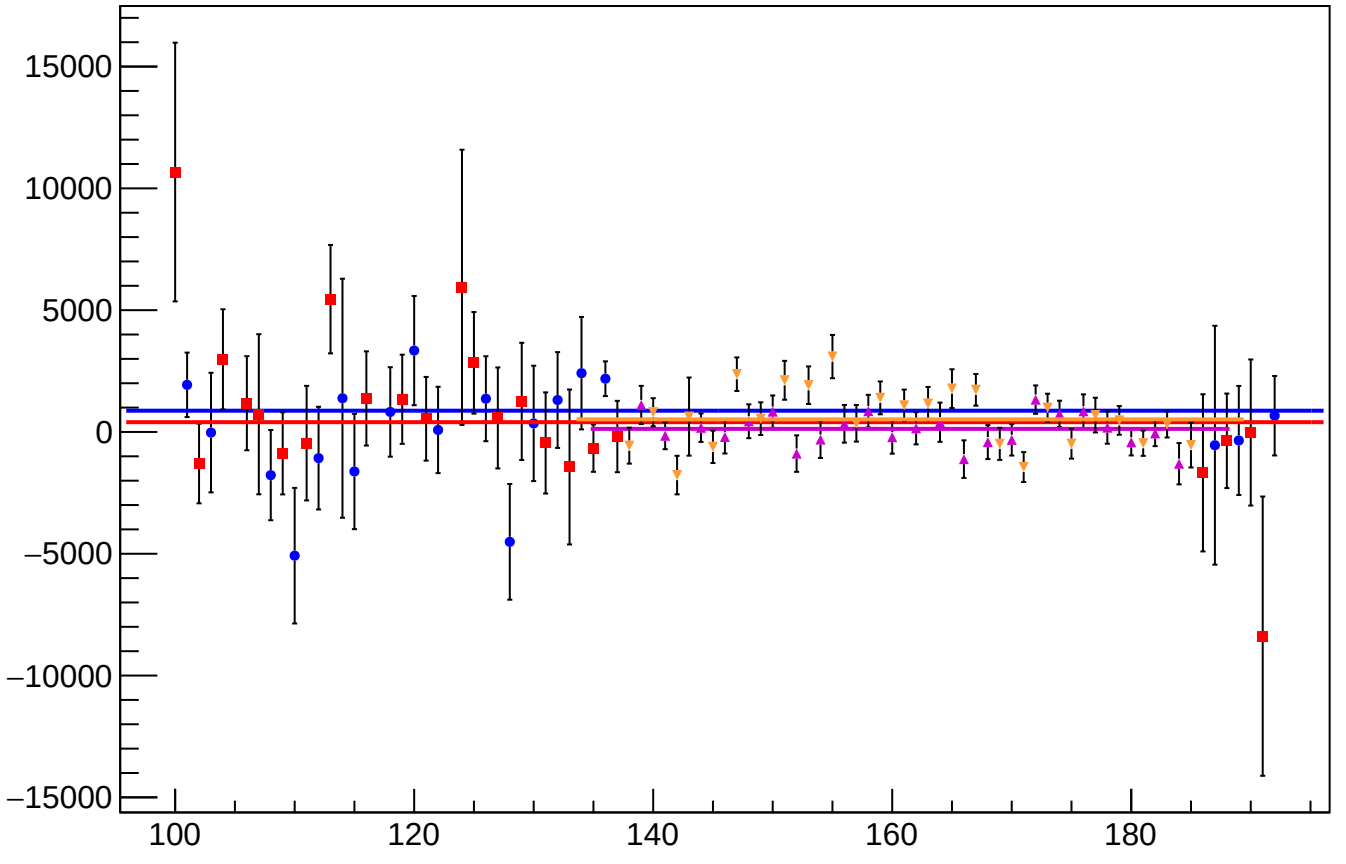
Right Out: 1289.209+/-0.307 χ^2/NDF: 466930.4/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729380.4/43

All: 1251.025+/-0.119 χ^2/NDF: 1258270.1/89

- sign 1250.732+/-0.170 χ^2/NDF: 528883.8/45



Right In: 872.801+/-403.848 χ^2/NDF: 20.3/18

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

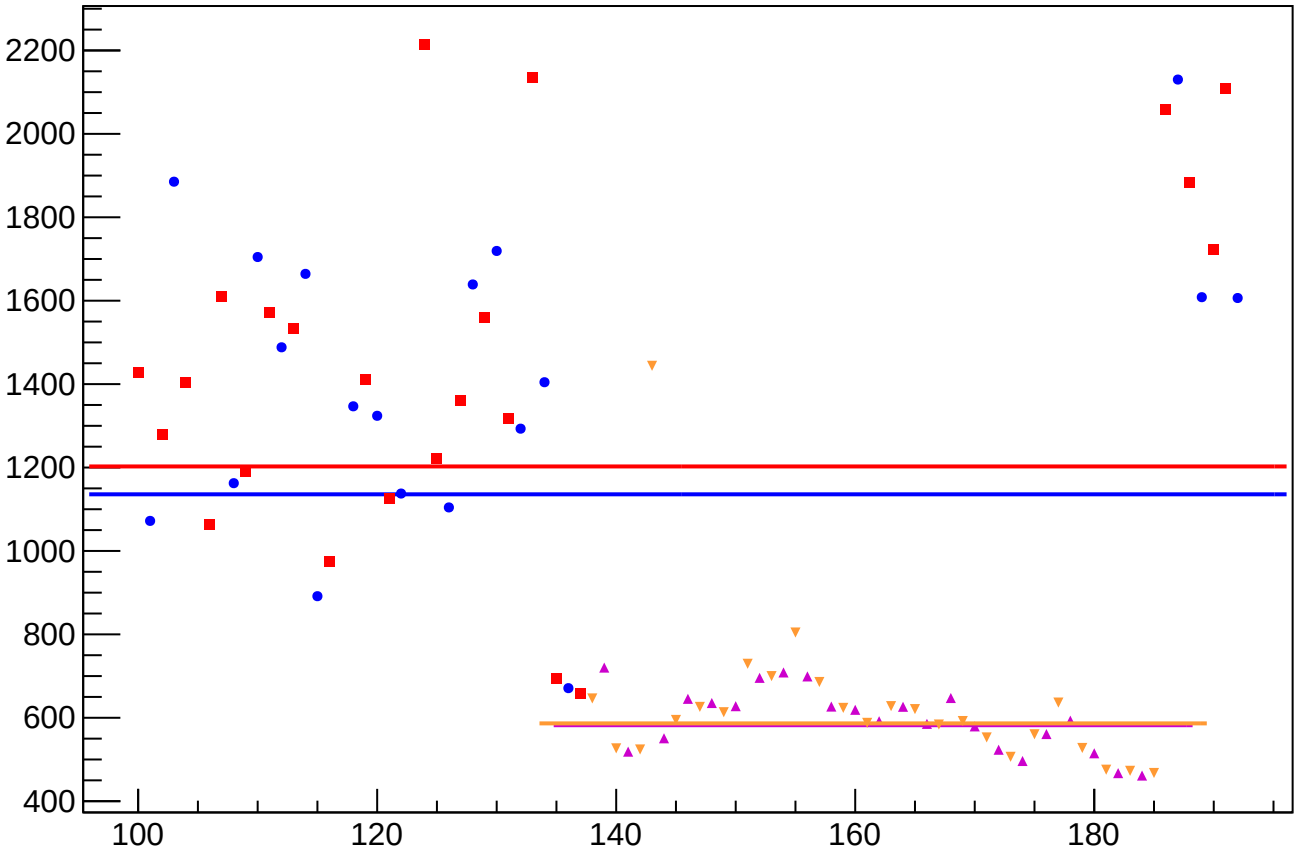
Right Out: 401.721+/-419.932 χ^2/NDF: 20.2/22

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 552.932+/-128.672 χ^2/NDF: 88.1/43

All: 355.810+/-91.615 χ^2/NDF: 135.0/89

- sign 153.131+/-130.473 χ^2/NDF: 42.1/45



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

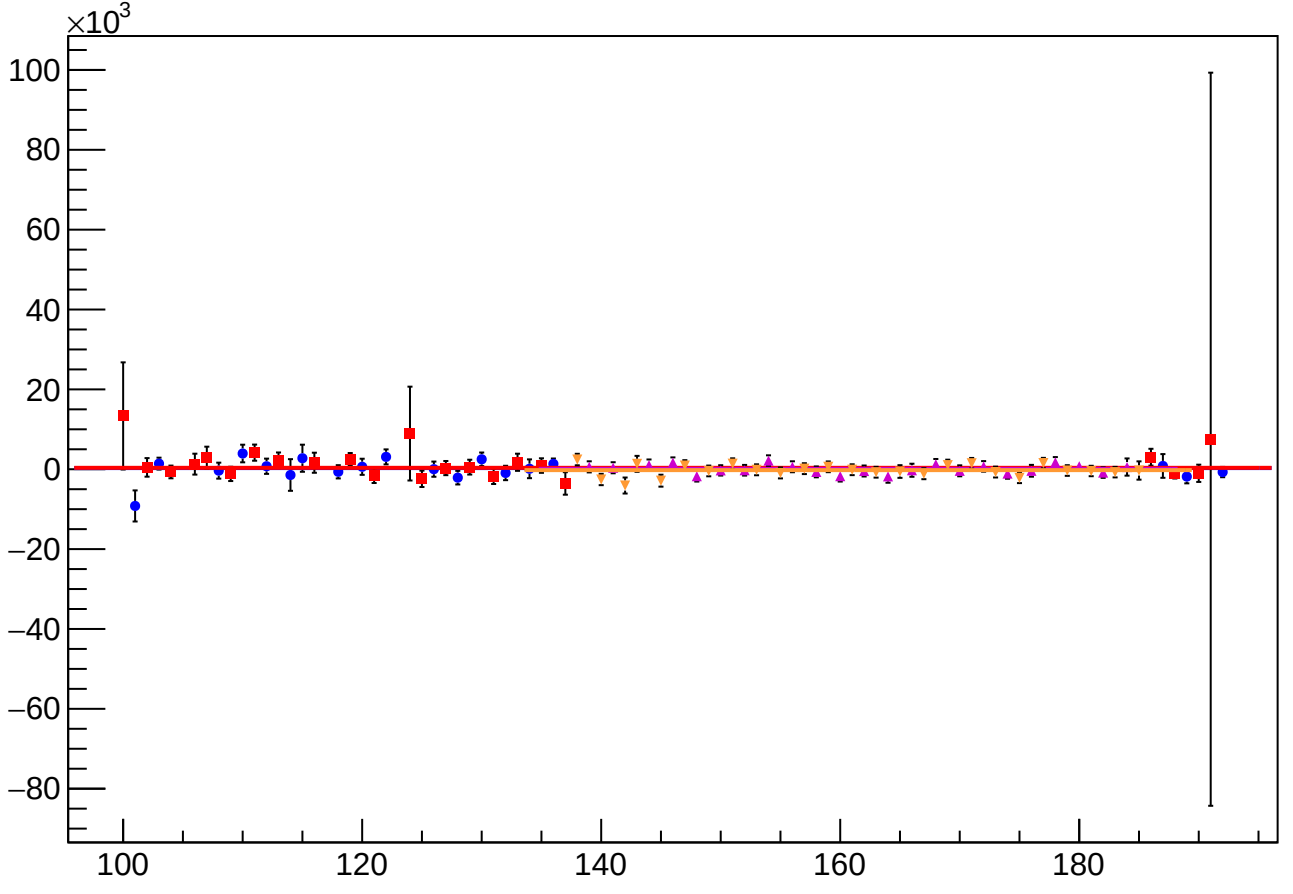
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 642.312+/-0.091 χ^2/NDF: 6382098.2/43

All: 642.199+/-0.065 χ^2/NDF: 12722817.5/89

- sign 642.082+/-0.092 χ^2/NDF: 6340716.1/45

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



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

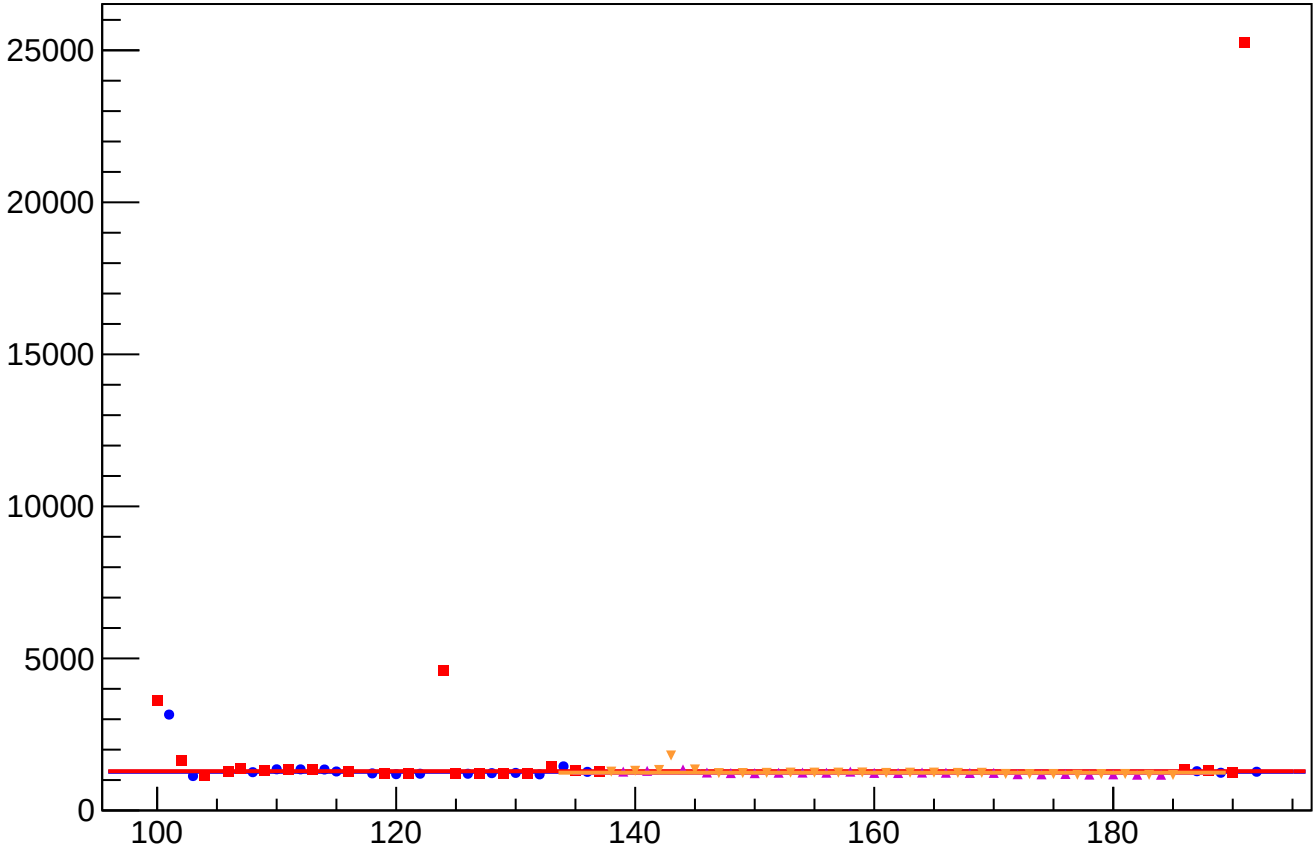
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -66.985+/-236.785 χ^2/NDF: 44.5/43

All: 51.125+/-168.617 χ^2/NDF: 79.8/89

- sign 172.639+/-240.173 χ^2/NDF: 34.7/45

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1271.084+/-0.306 χ^2/NDF: 520097.8/18

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

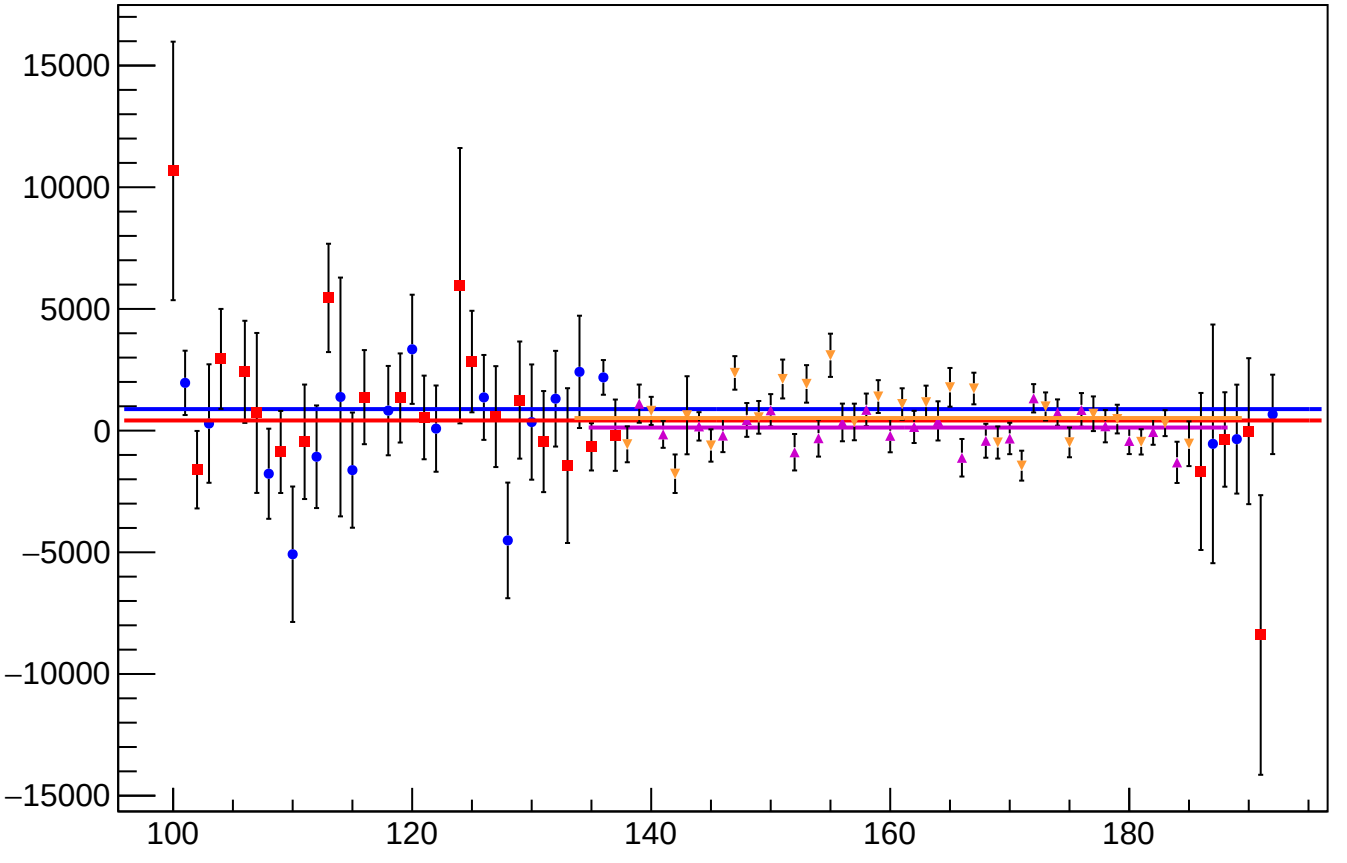
Right Out: 1291.093+/-0.307 χ^2/NDF: 473322.5/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729381.7/43

All: 1251.292+/-0.119 χ^2/NDF: 1266177.8/89

- sign 1251.276+/-0.170 χ^2/NDF: 536796.0/45



Right In: 883.994+/-403.698 χ^2/NDF: 20.3/18

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

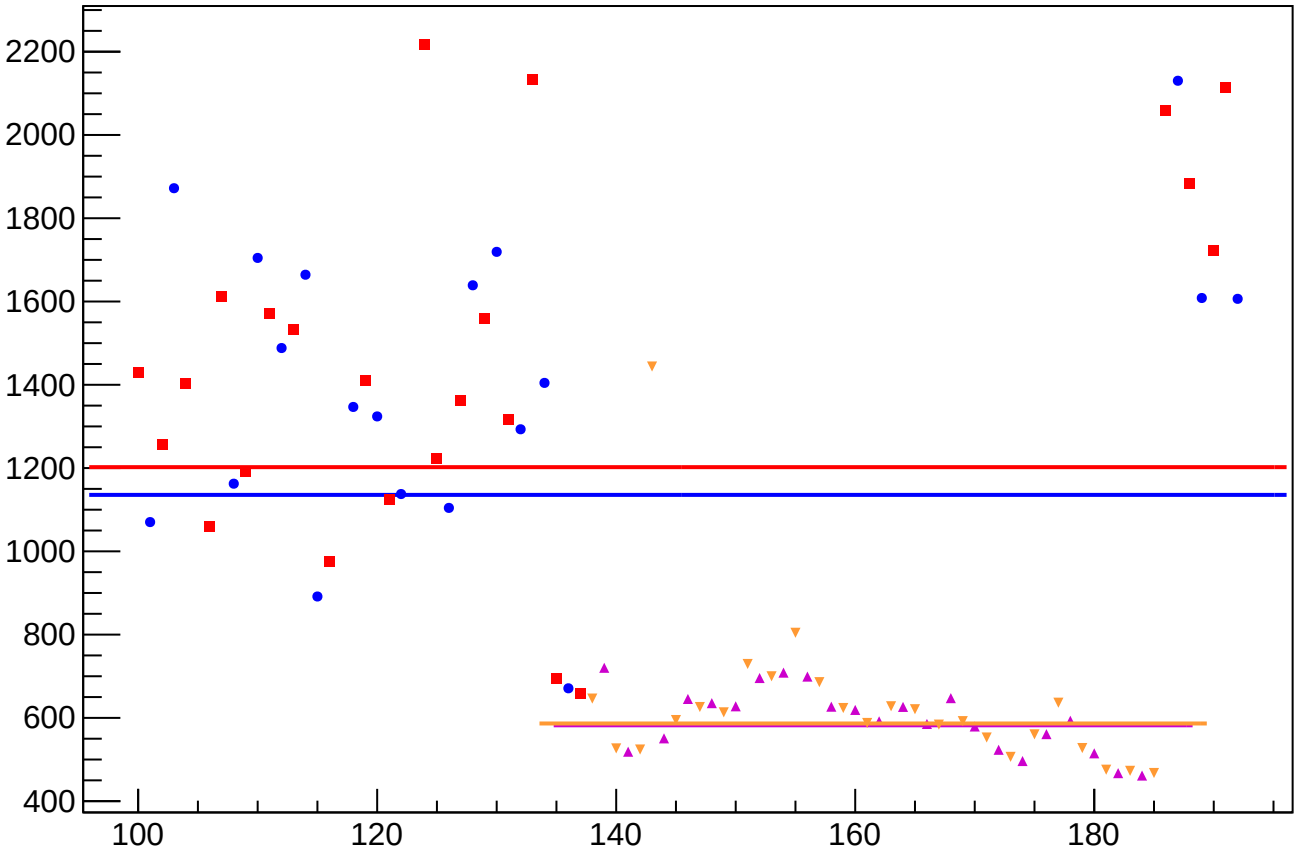
Right Out: 417.122+/-420.678 χ^2/NDF: 21.4/22

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 554.111+/-128.668 χ^2/NDF: 88.1/43

All: 357.127+/-91.621 χ^2/NDF: 136.3/89

- sign 154.510+/-130.495 χ^2/NDF: 43.4/45



Right In: 1135.578+/-0.285 χ^2/NDF: 1852278.2/18

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

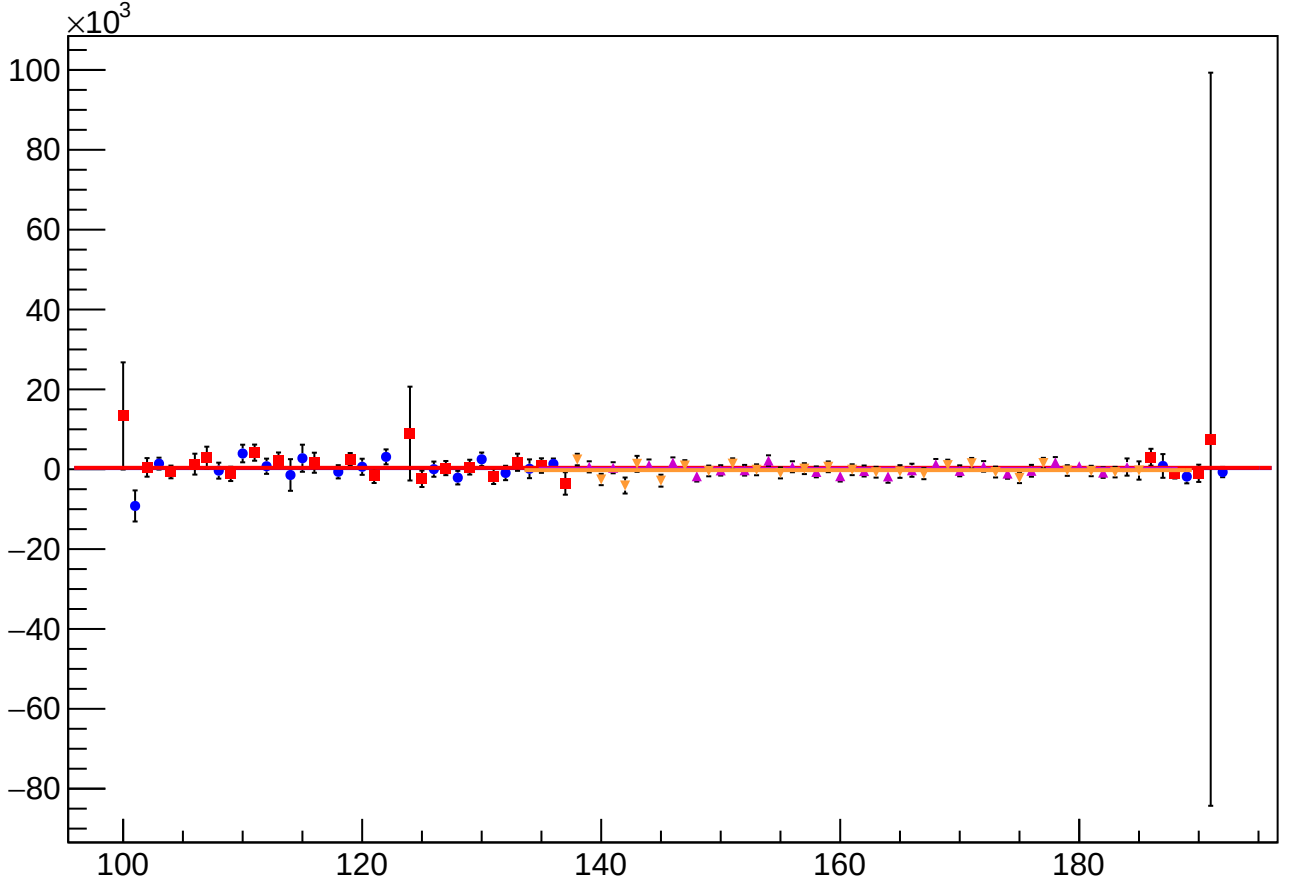
Right Out: 1202.187+/-0.297 χ^2/NDF: 1834440.2/22

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 642.333+/-0.091 χ^2/NDF: 6378364.6/43

All: 642.094+/-0.065 χ^2/NDF: 12698273.8/89

- sign 641.848+/-0.092 χ^2/NDF: 6319895.2/45



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

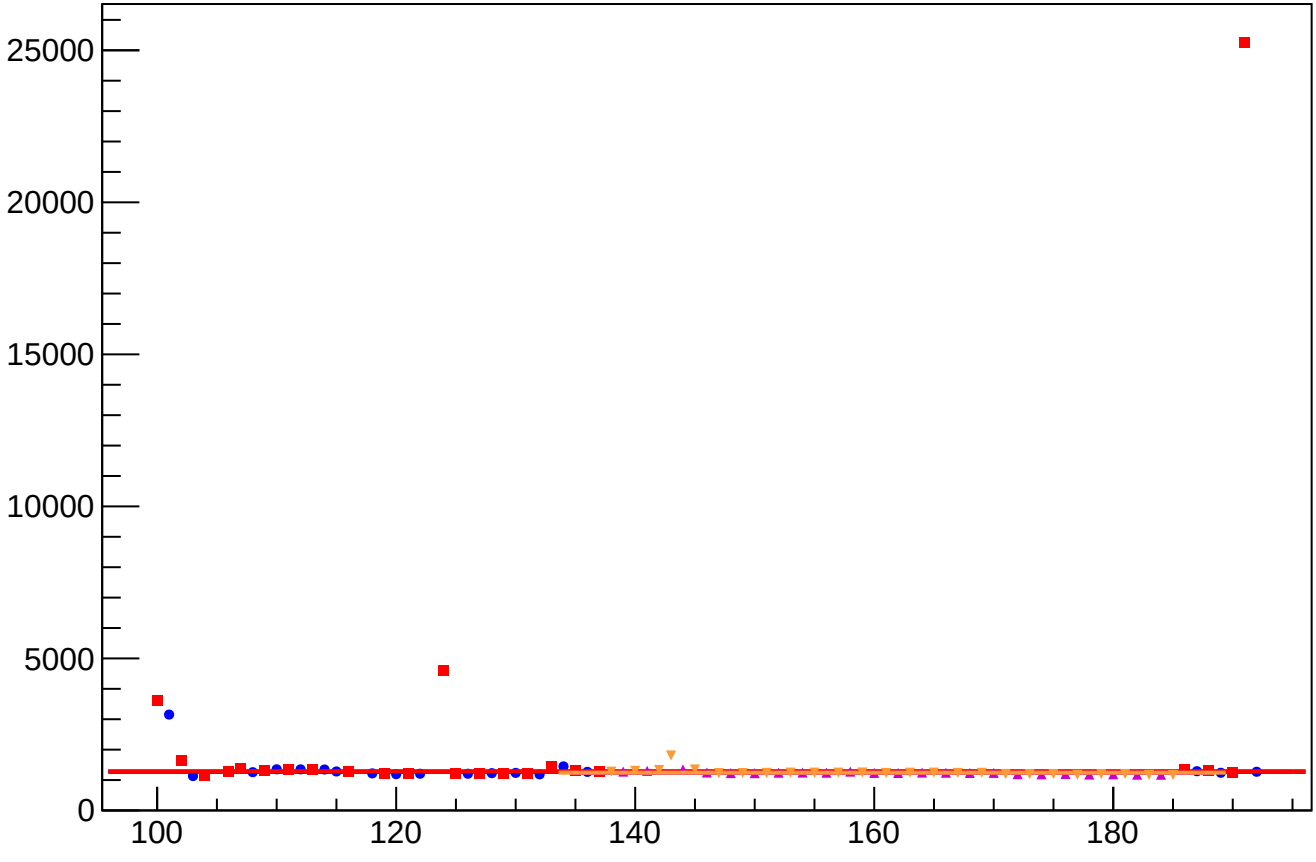
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -66.985+/-236.785 χ^2/NDF: 44.5/43

All: 51.125+/-168.617 χ^2/NDF: 79.8/89

- sign 172.639+/-240.173 χ^2/NDF: 34.7/45

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1271.084+/-0.306 χ^2/NDF: 520097.8/18

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

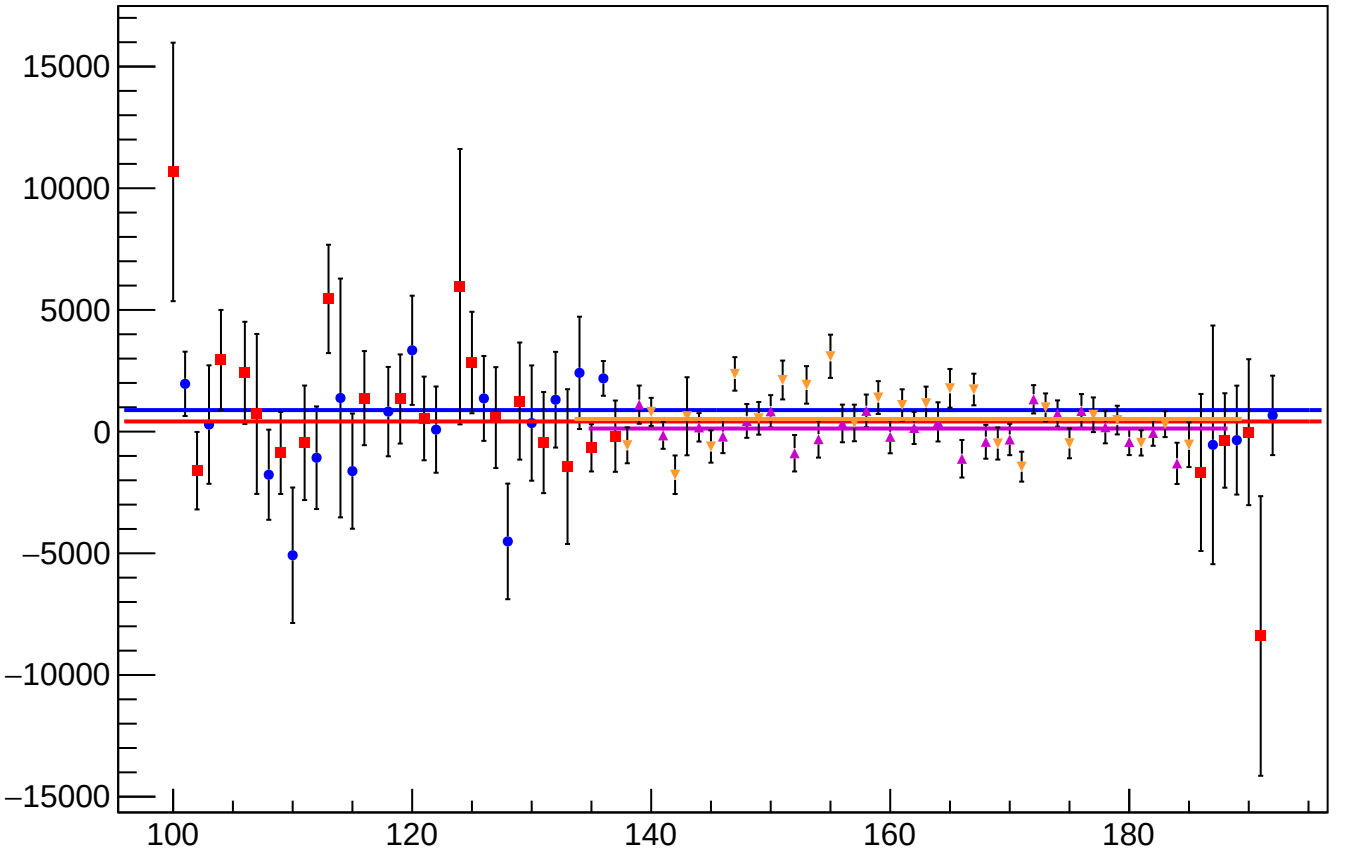
Right Out: 1291.093+/-0.307 χ^2/NDF: 473322.5/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729381.7/43

All: 1251.292+/-0.119 χ^2/NDF: 1266177.8/89

- sign 1251.276+/-0.170 χ^2/NDF: 536796.0/45



Right In: 883.994+/-403.698 χ^2/NDF: 20.3/18

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

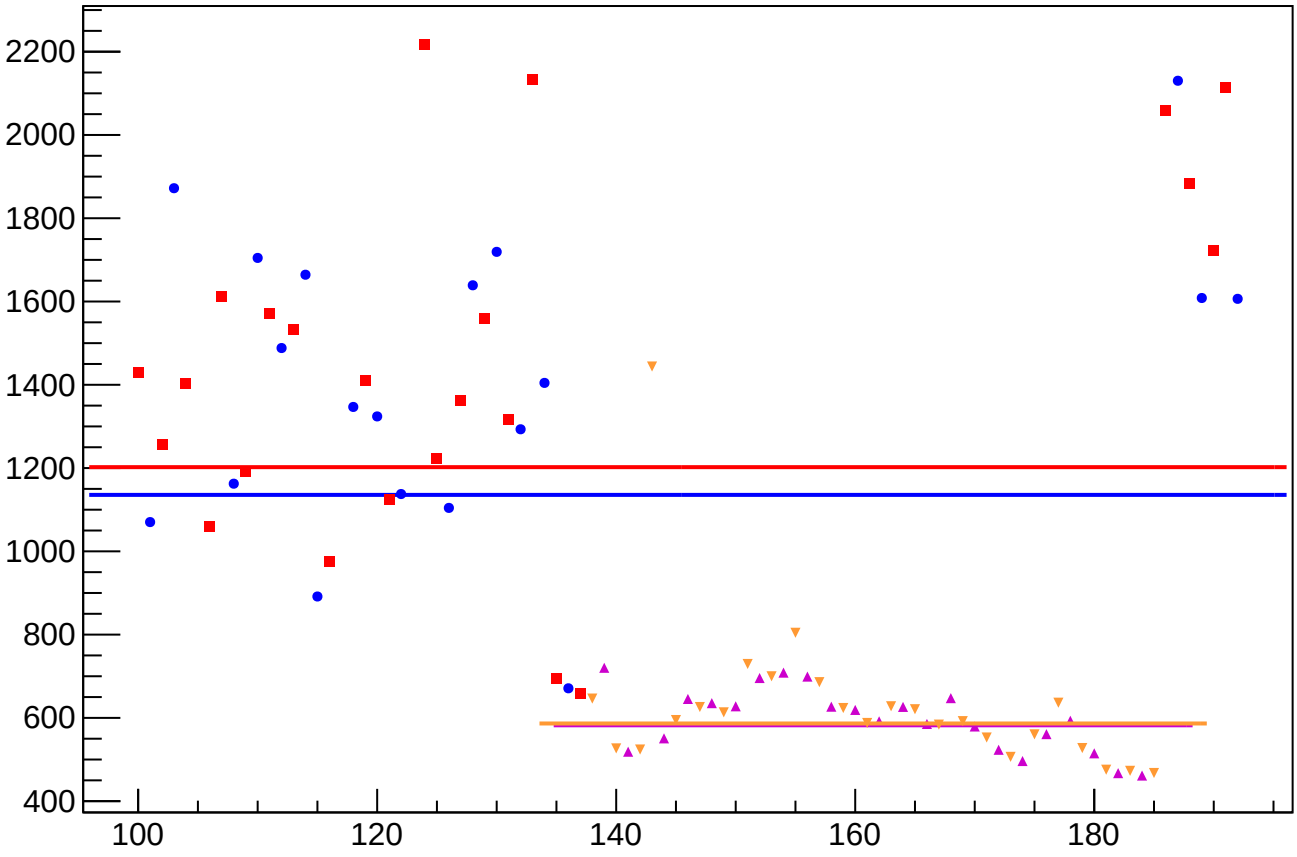
Right Out: 417.122+/-420.678 χ^2/NDF: 21.4/22

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 554.111+/-128.668 χ^2/NDF: 88.1/43

All: 357.127+/-91.621 χ^2/NDF: 136.3/89

- sign 154.510+/-130.495 χ^2/NDF: 43.4/45



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

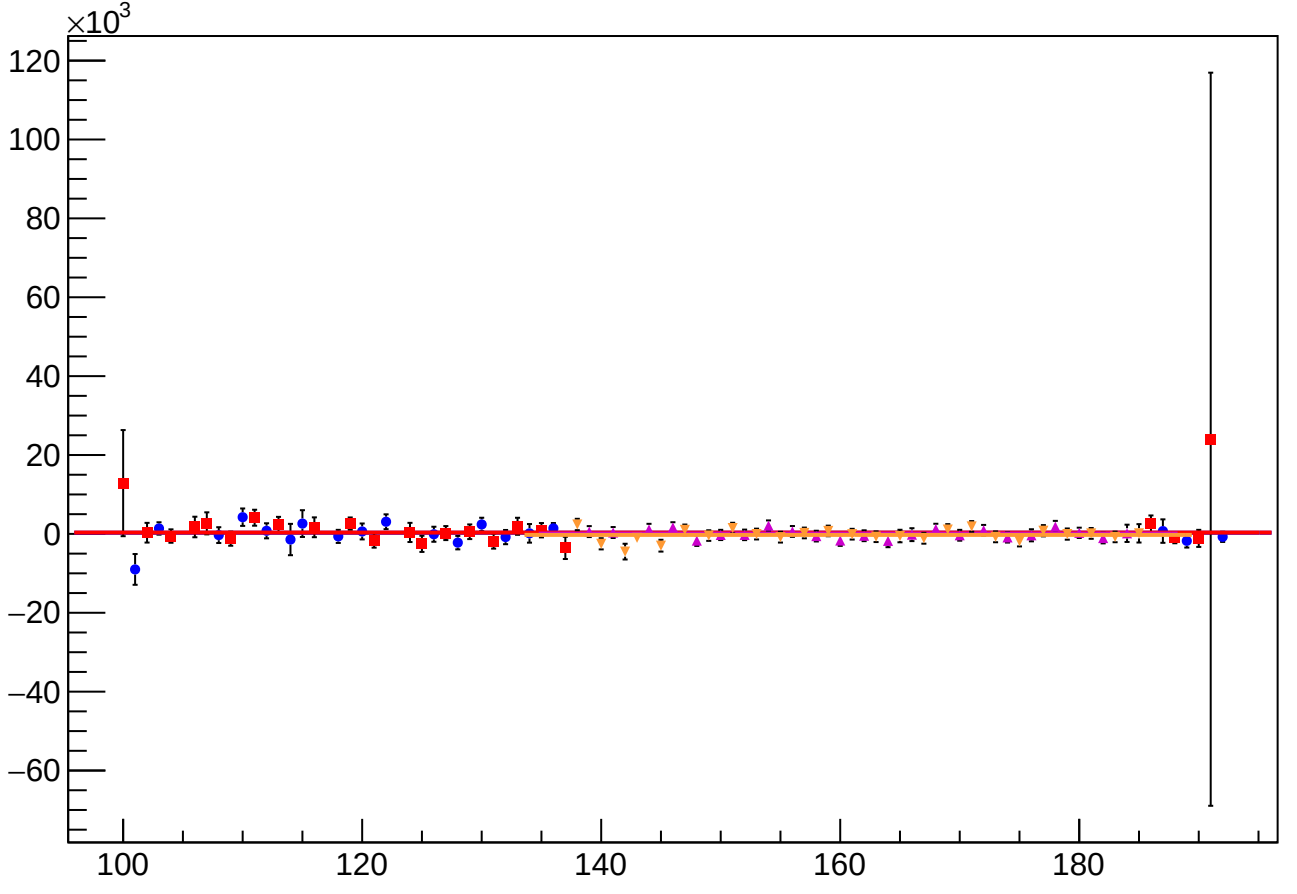
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 642.333+/-0.091 χ^2/NDF: 6378364.6/43

All: 642.094+/-0.065 χ^2/NDF: 12698273.8/89

- sign 641.848+/-0.092 χ^2/NDF: 6319895.2/45

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



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

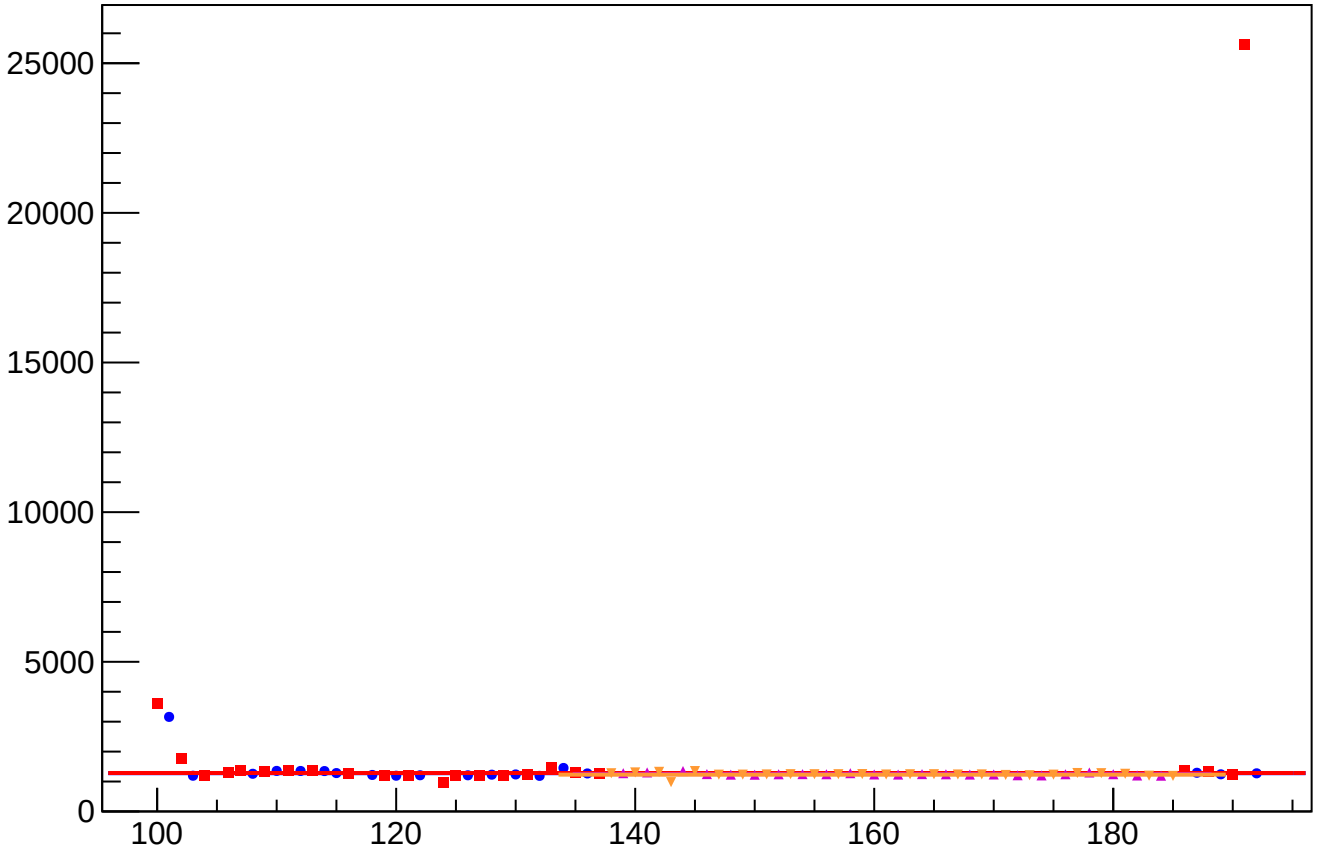
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -92.471+/-235.305 χ^2/NDF: 44.7/43

All: 29.221+/-168.529 χ^2/NDF: 78.9/89

- sign 157.392+/-241.488 χ^2/NDF: 33.6/45

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1278.177+/-0.307 χ^2/NDF: 508172.4/18

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

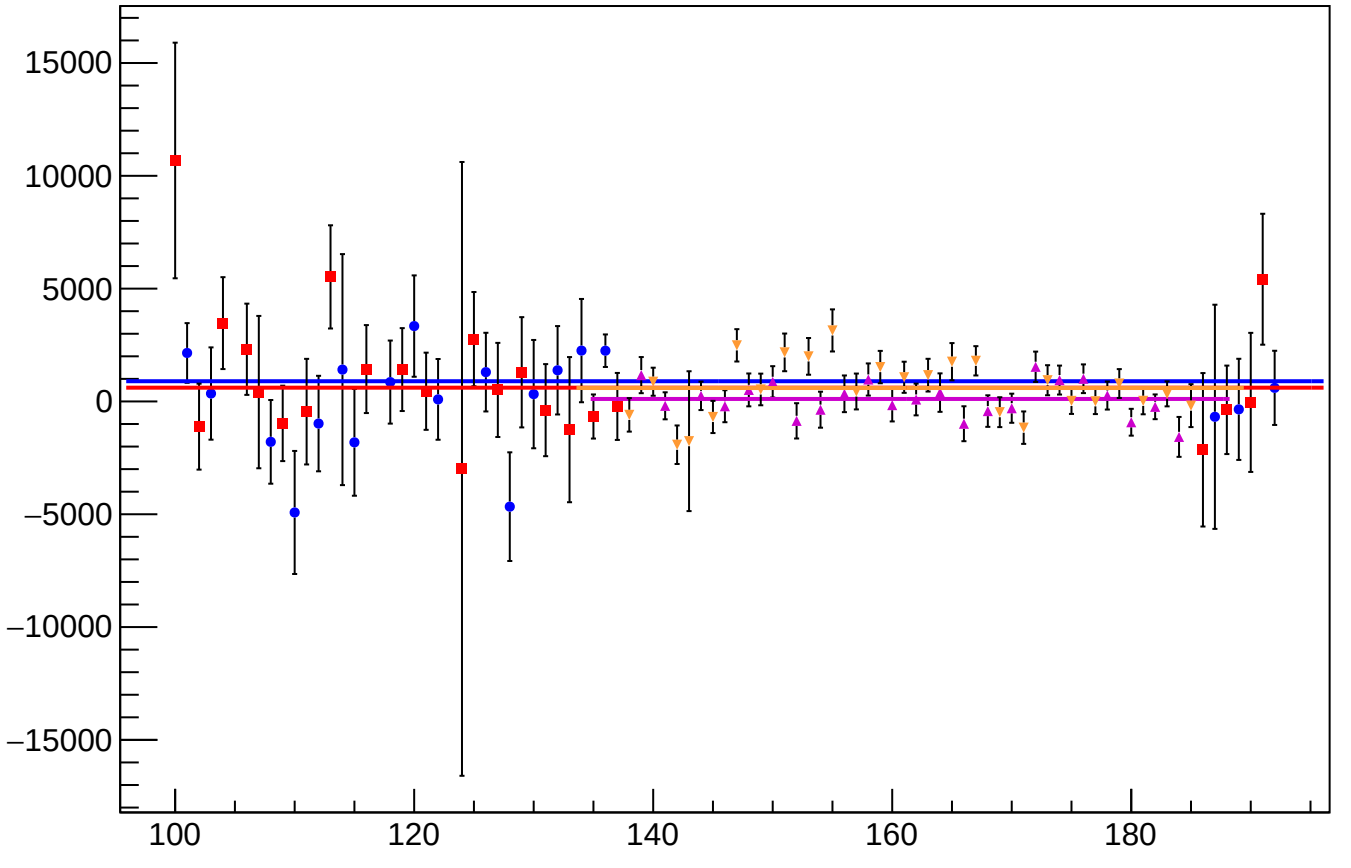
Right Out: 1285.133+/-0.305 χ^2/NDF: 367809.6/22

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1244.124+/-0.166 χ^2/NDF: 667170.7/43

All: 1251.610+/-0.119 χ^2/NDF: 1076772.2/89

- sign 1259.494+/-0.171 χ^2/NDF: 405445.9/45



Right In: 896.164+/-403.558 χ^2/NDF: 20.9/18

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

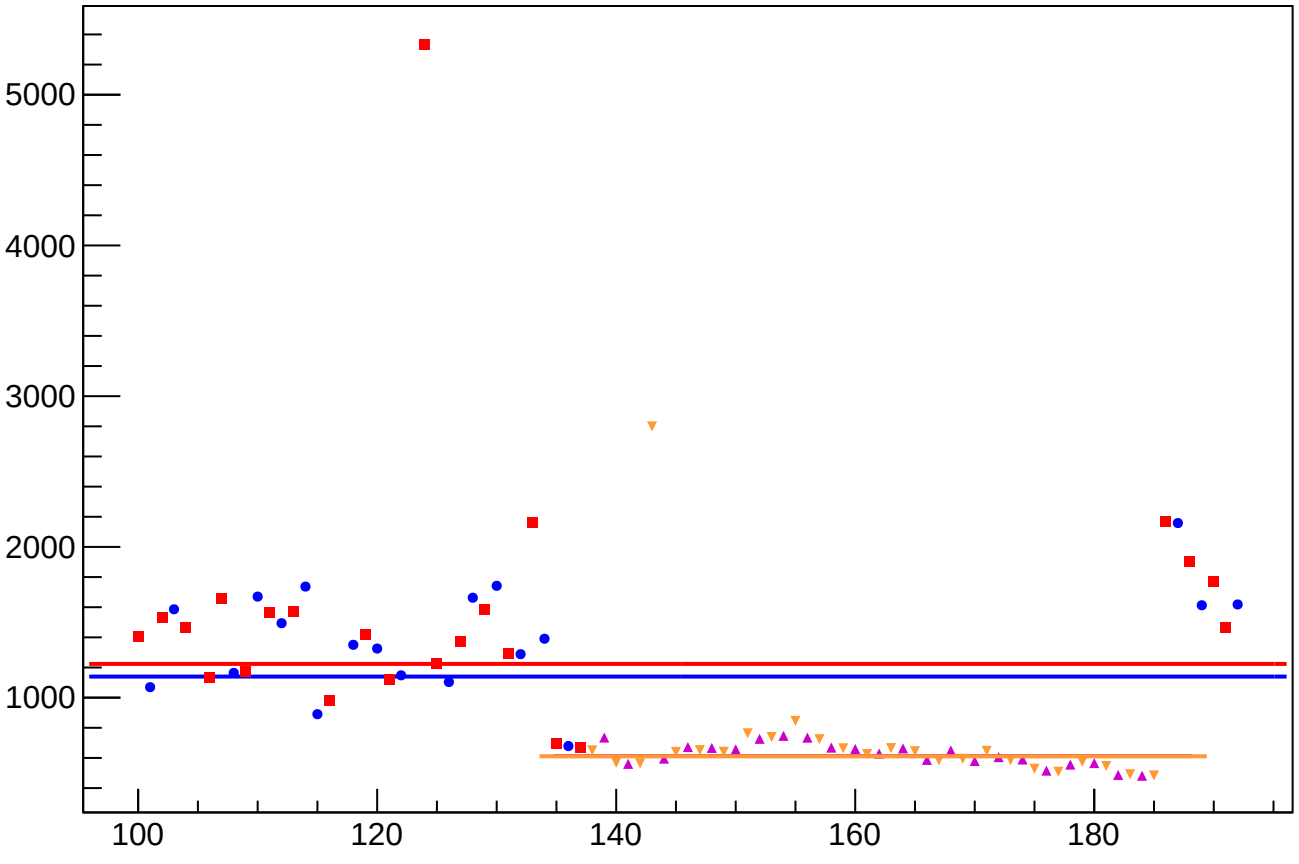
Right Out: 610.188+/-424.130 χ^2/NDF: 20.8/22

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 628.234+/-134.059 χ^2/NDF: 78.7/43

All: 399.449+/-95.663 χ^2/NDF: 132.5/89

- sign 162.074+/-136.552 χ^2/NDF: 47.8/45



Right In: 1139.838+/-0.285 χ^2/NDF: 1738071.5/18

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

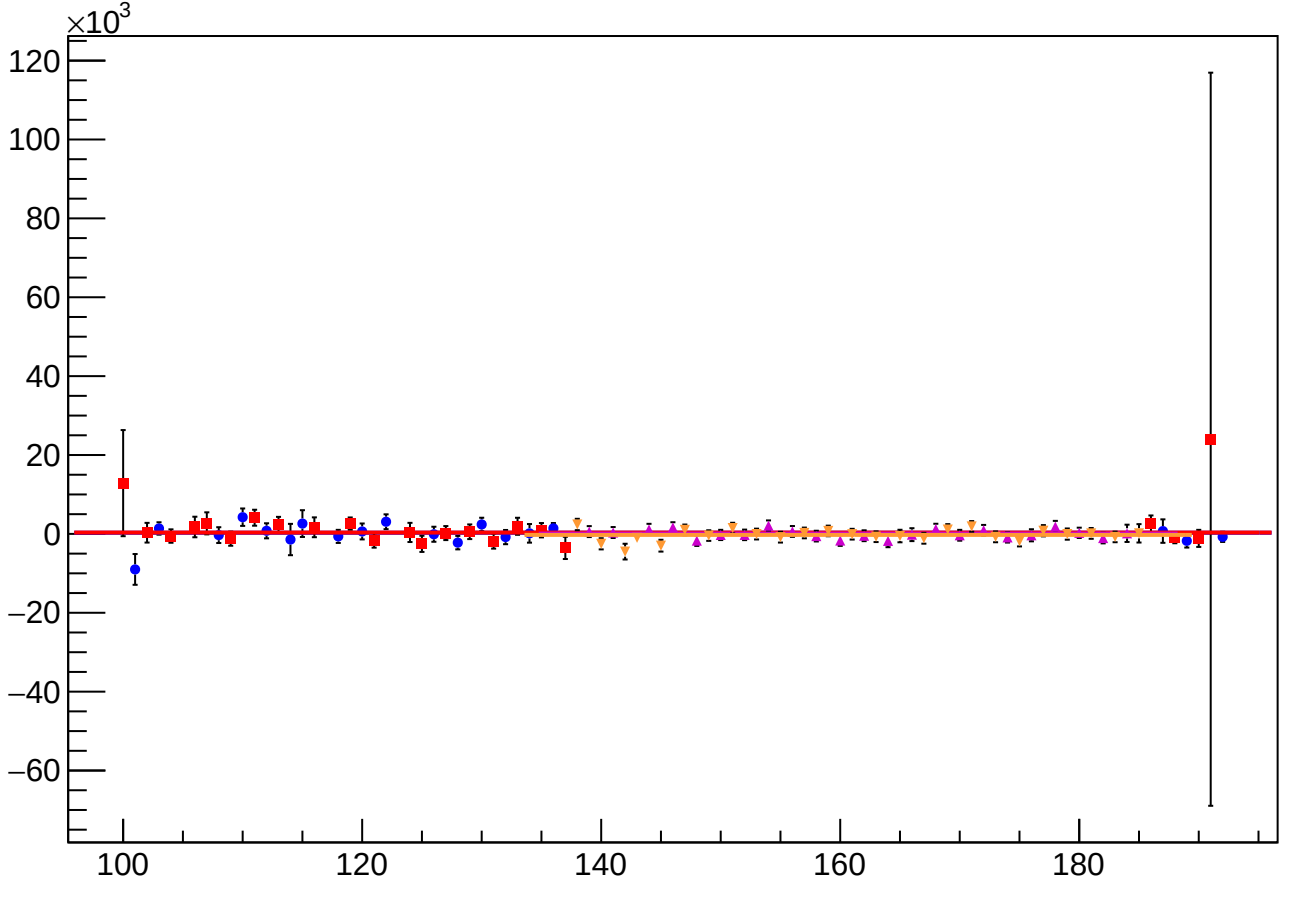
Right Out: 1223.781+/-0.300 χ^2/NDF: 2006413.3/22

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 669.435+/-0.095 χ^2/NDF: 6411881.9/43

All: 672.546+/-0.068 χ^2/NDF: 12654121.9/89

- sign 675.773+/-0.097 χ^2/NDF: 6240046.1/45



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

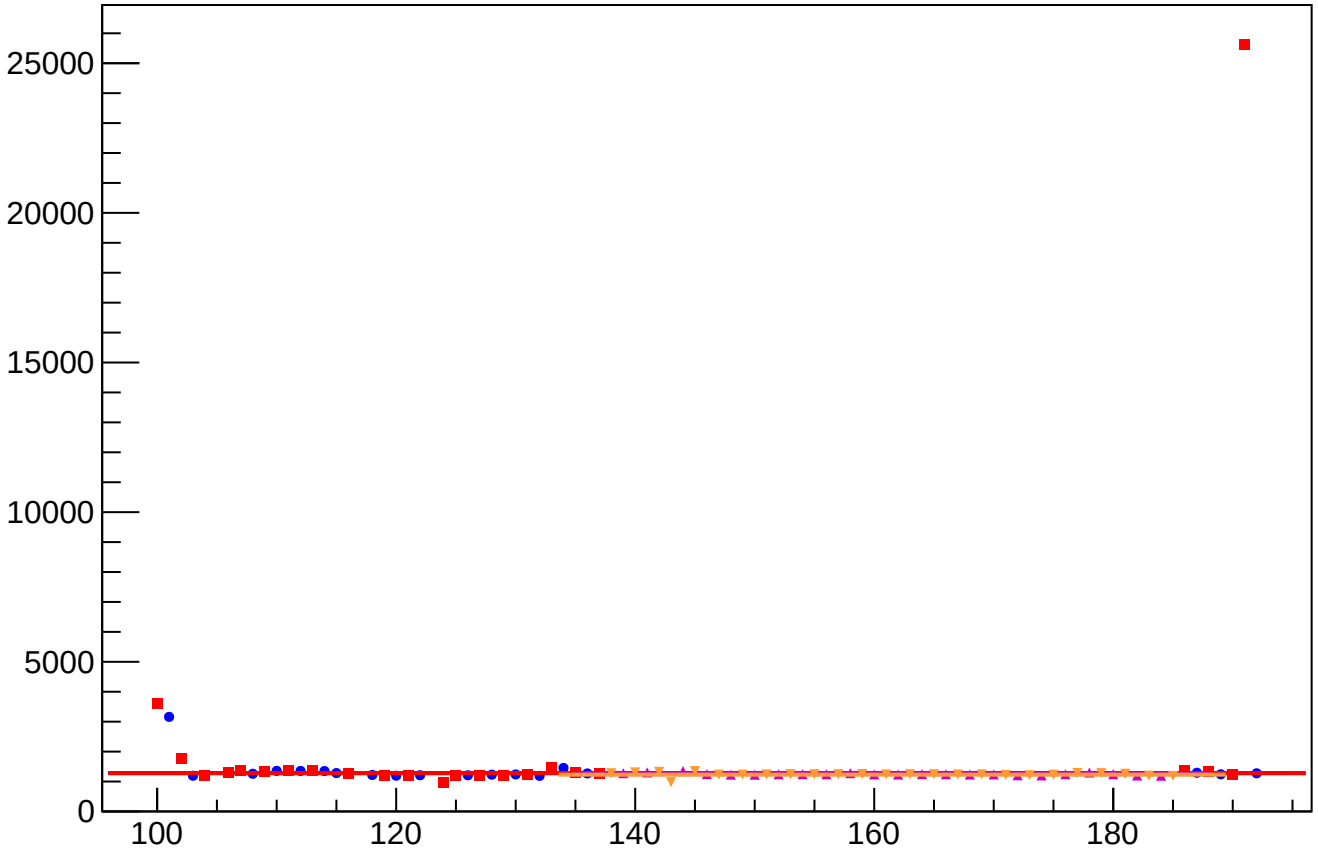
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -92.471+/-235.305 χ^2/NDF: 44.7/43

All: 29.221+/-168.529 χ^2/NDF: 78.9/89

- sign 157.392+/-241.488 χ^2/NDF: 33.6/45

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1278.177+/-0.307 χ^2/NDF: 508172.5/18

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

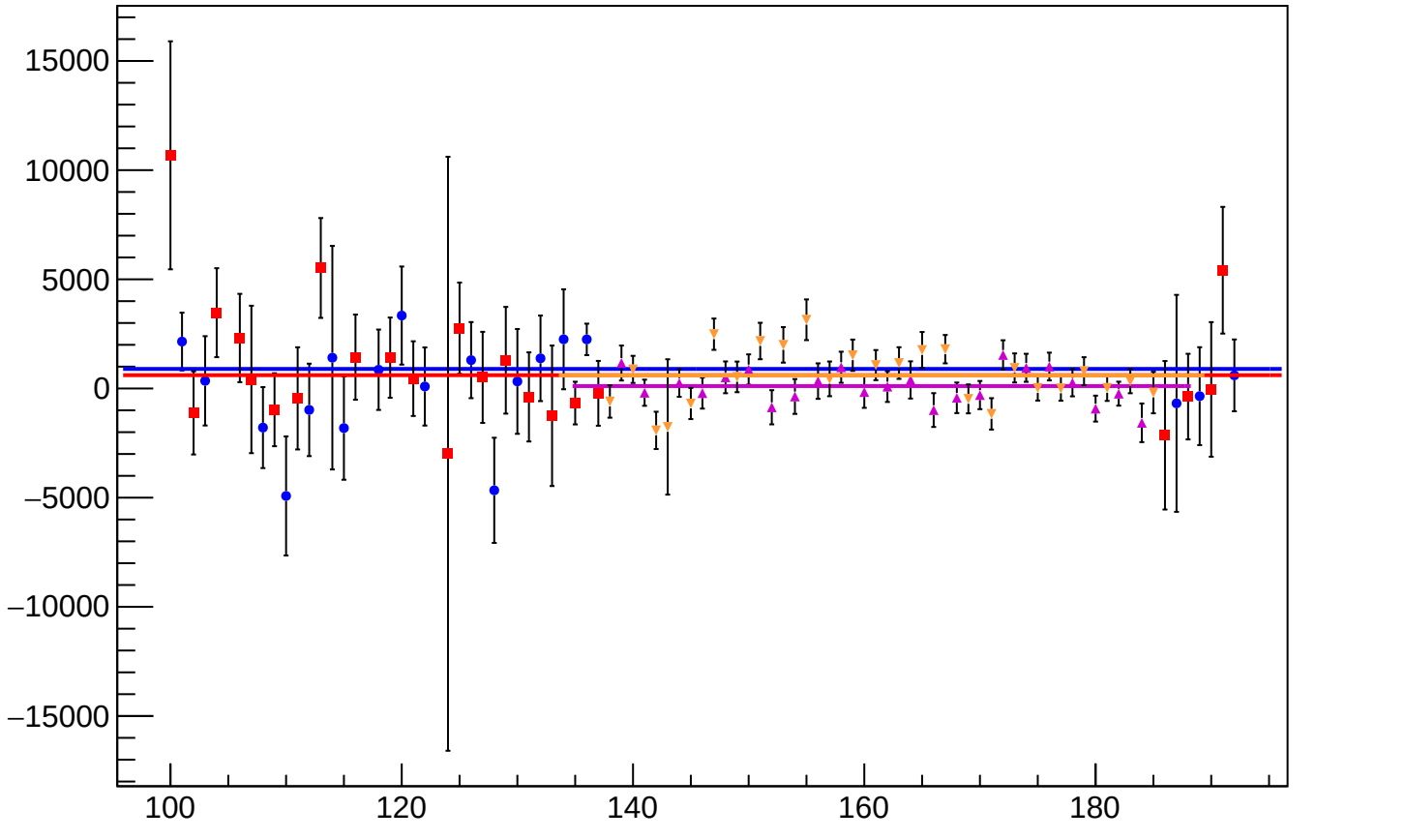
Right Out: 1285.133+/-0.305 χ^2/NDF: 367809.5/22

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1244.124+/-0.166 χ^2/NDF: 667169.8/43

All: 1251.610+/-0.119 χ^2/NDF: 1076771.2/89

- sign 1259.494+/-0.171 χ^2/NDF: 405445.8/45



Right In: 896.158+/-403.560 χ^2/NDF: 20.9/18

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

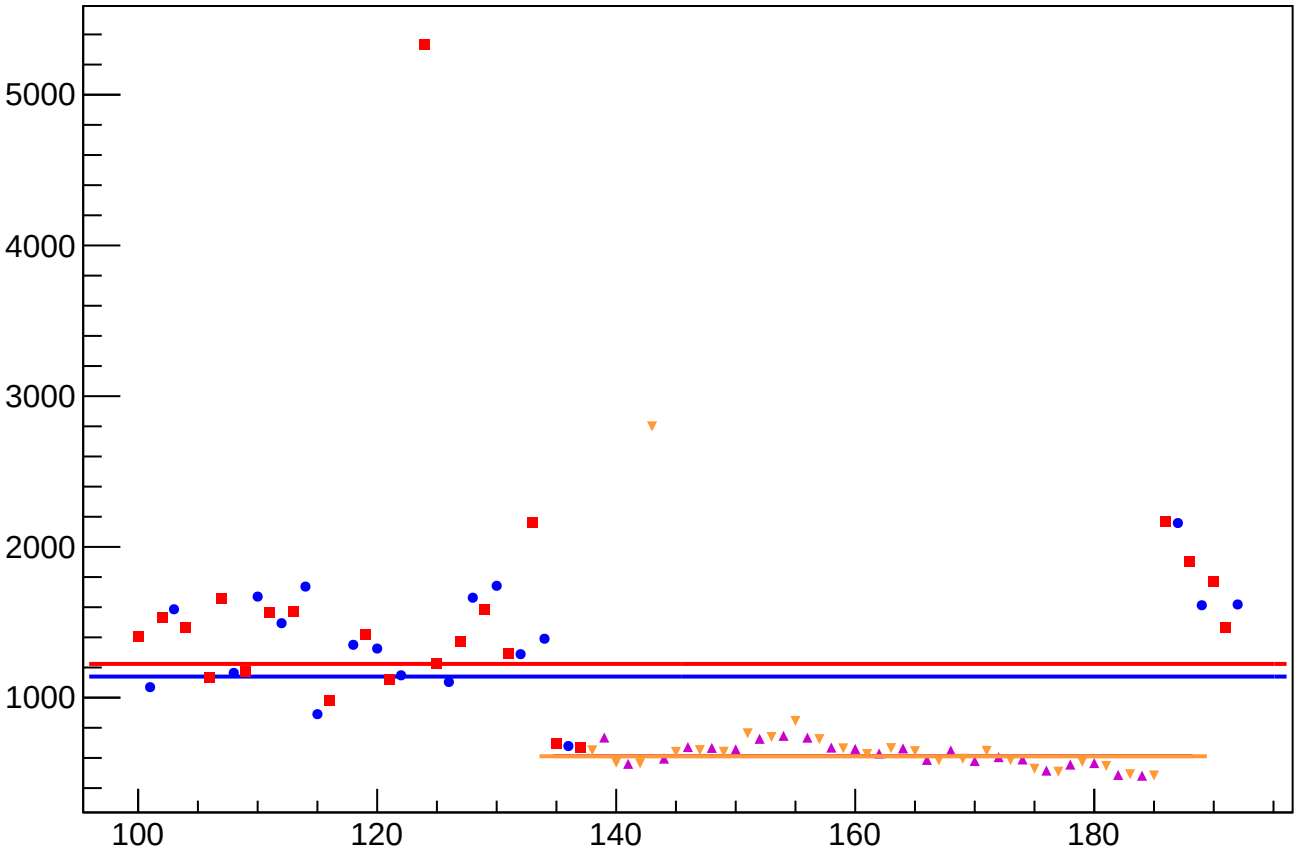
Right Out: 610.198+/-424.132 χ^2/NDF: 20.8/22

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 628.233+/-134.059 χ^2/NDF: 78.7/43

All: 399.448+/-95.663 χ^2/NDF: 132.5/89

- sign 162.074+/-136.552 χ^2/NDF: 47.8/45



Right In: 1139.844+/-0.285 χ^2/NDF: 1738002.8/18

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

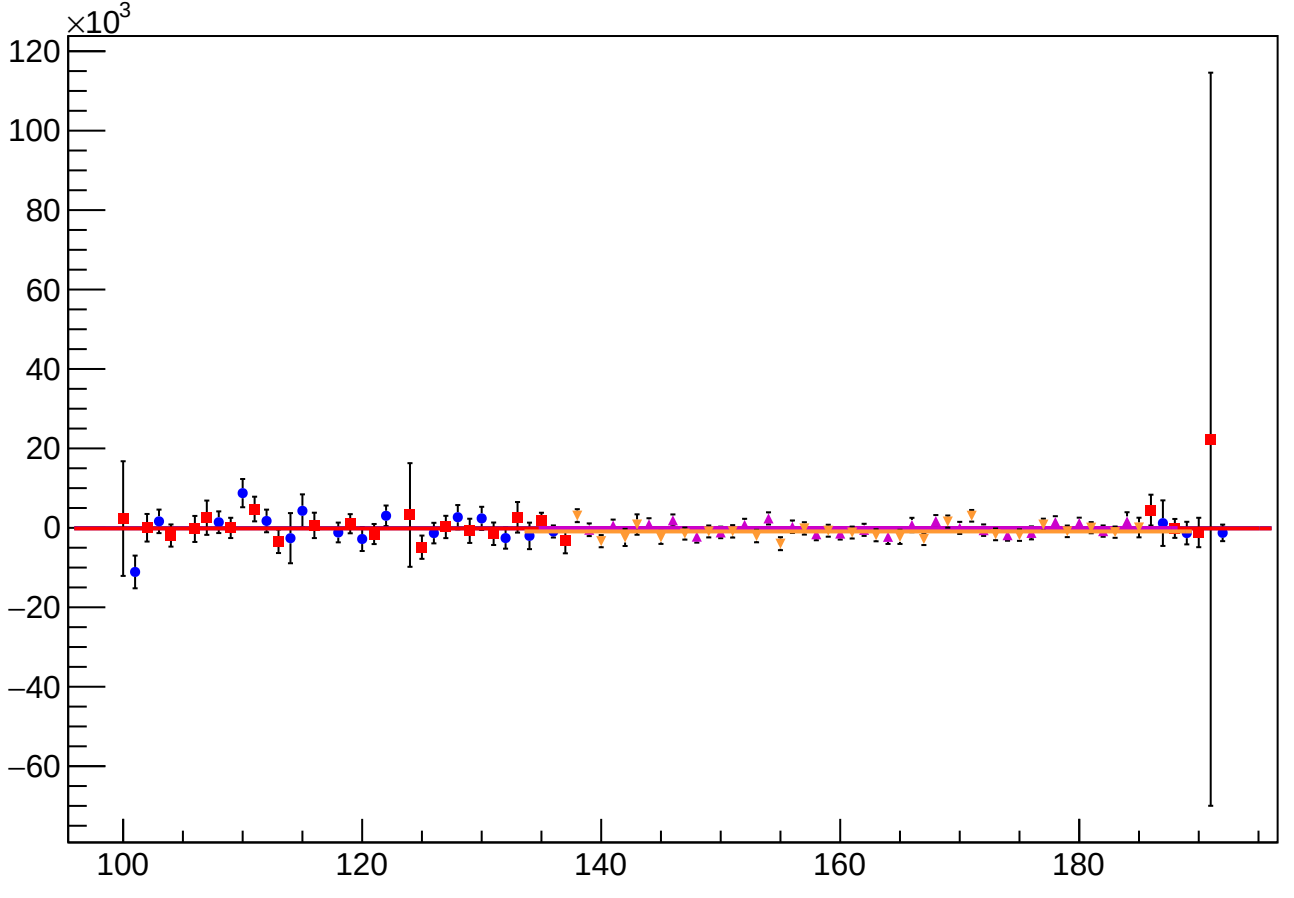
Right Out: 1223.788+/-0.300 χ^2/NDF: 2006352.6/22

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 669.435+/-0.095 χ^2/NDF: 6411865.5/43

All: 672.546+/-0.068 χ^2/NDF: 12654116.1/89

- sign 675.773+/-0.097 χ^2/NDF: 6240057.1/45



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

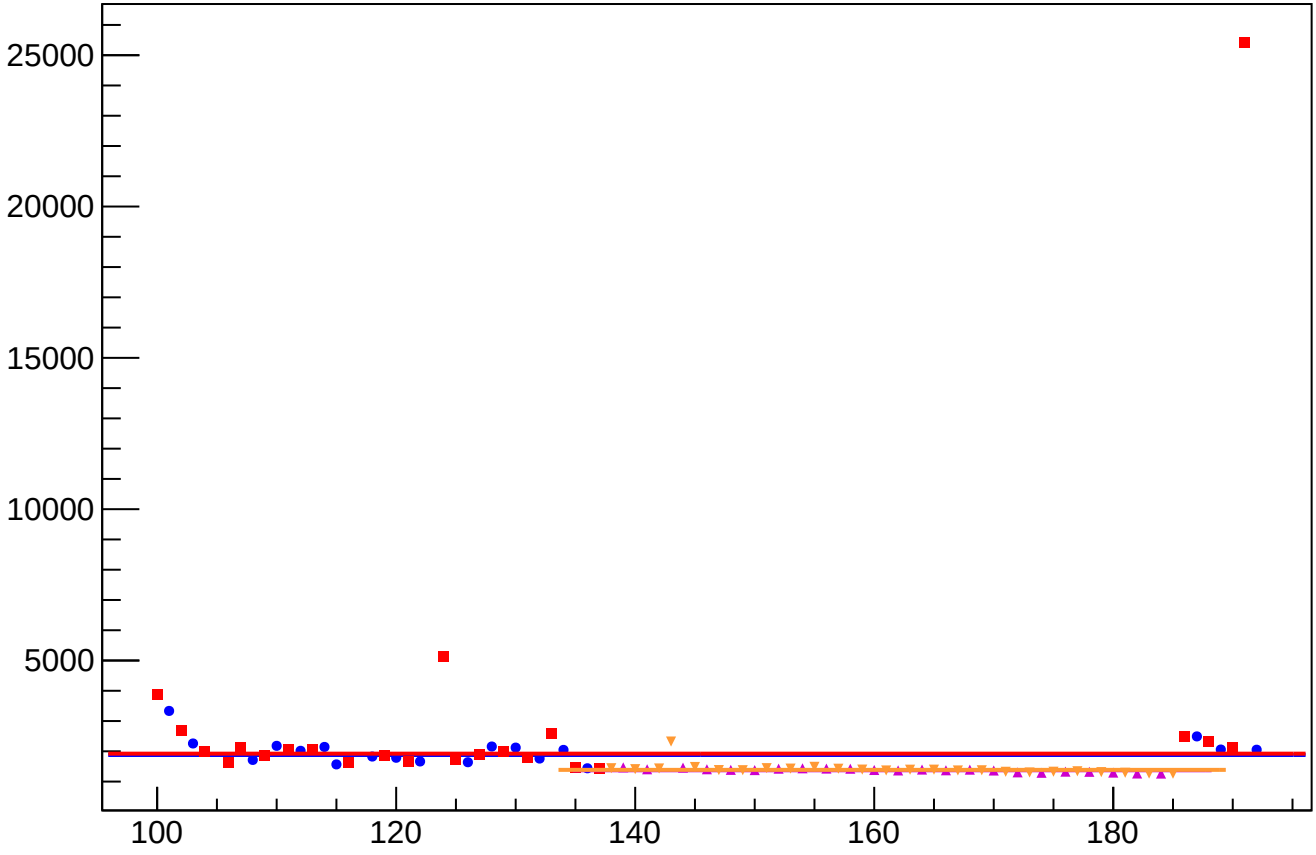
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -740.828+/-283.783 χ^2/NDF: 53.0/43

All: -408.924+/-202.093 χ^2/NDF: 85.6/89

- sign -67.404+/-287.865 χ^2/NDF: 29.8/45

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1878.628+/-0.453 χ^2/NDF: 607888.3/18

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

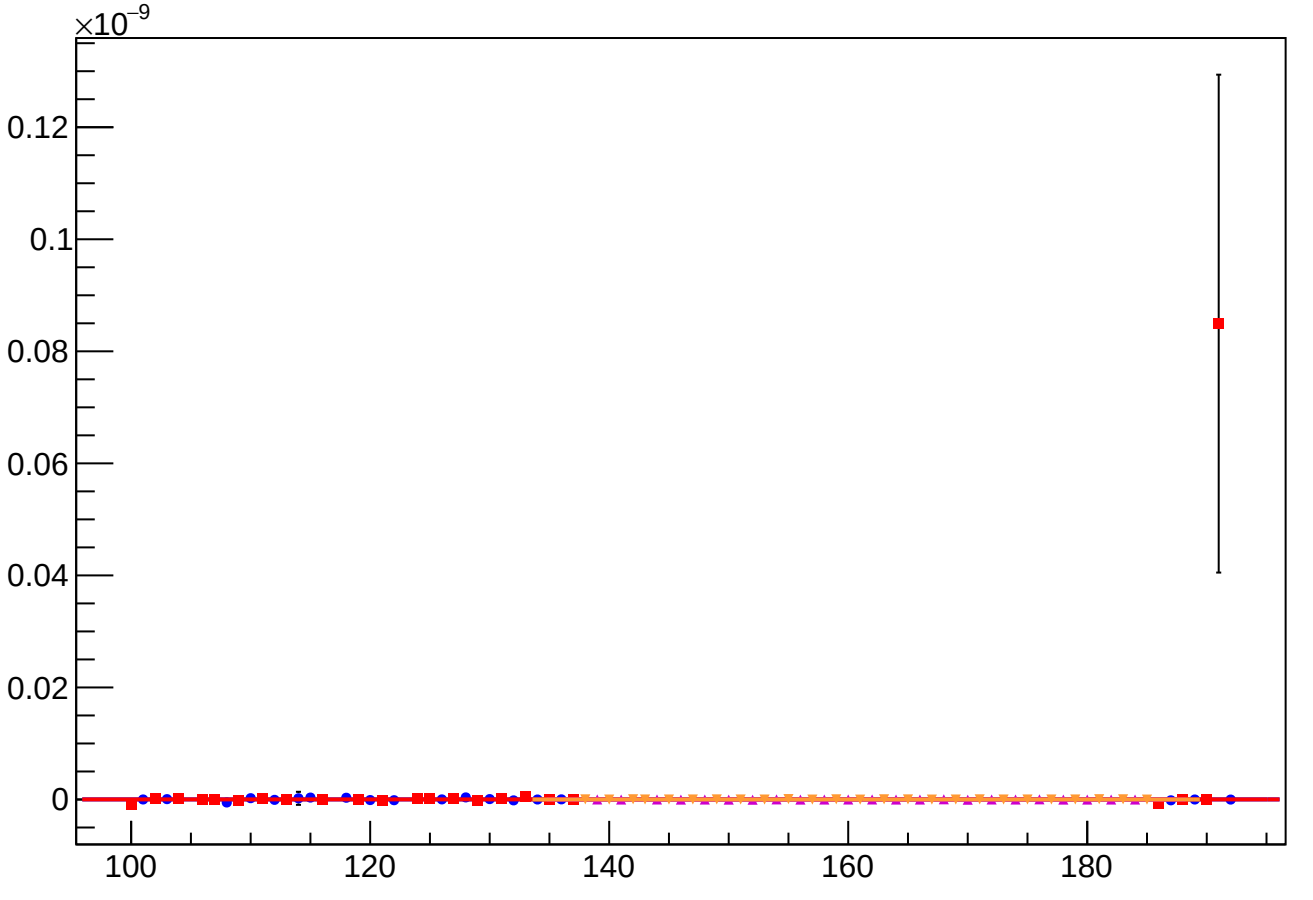
Right Out: 1922.161+/-0.460 χ^2/NDF: 774518.5/22

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1483.135+/-0.201 χ^2/NDF: 1893441.2/43

All: 1481.838+/-0.143 χ^2/NDF: 3876140.8/89

- sign 1480.503+/-0.204 χ^2/NDF: 1982614.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

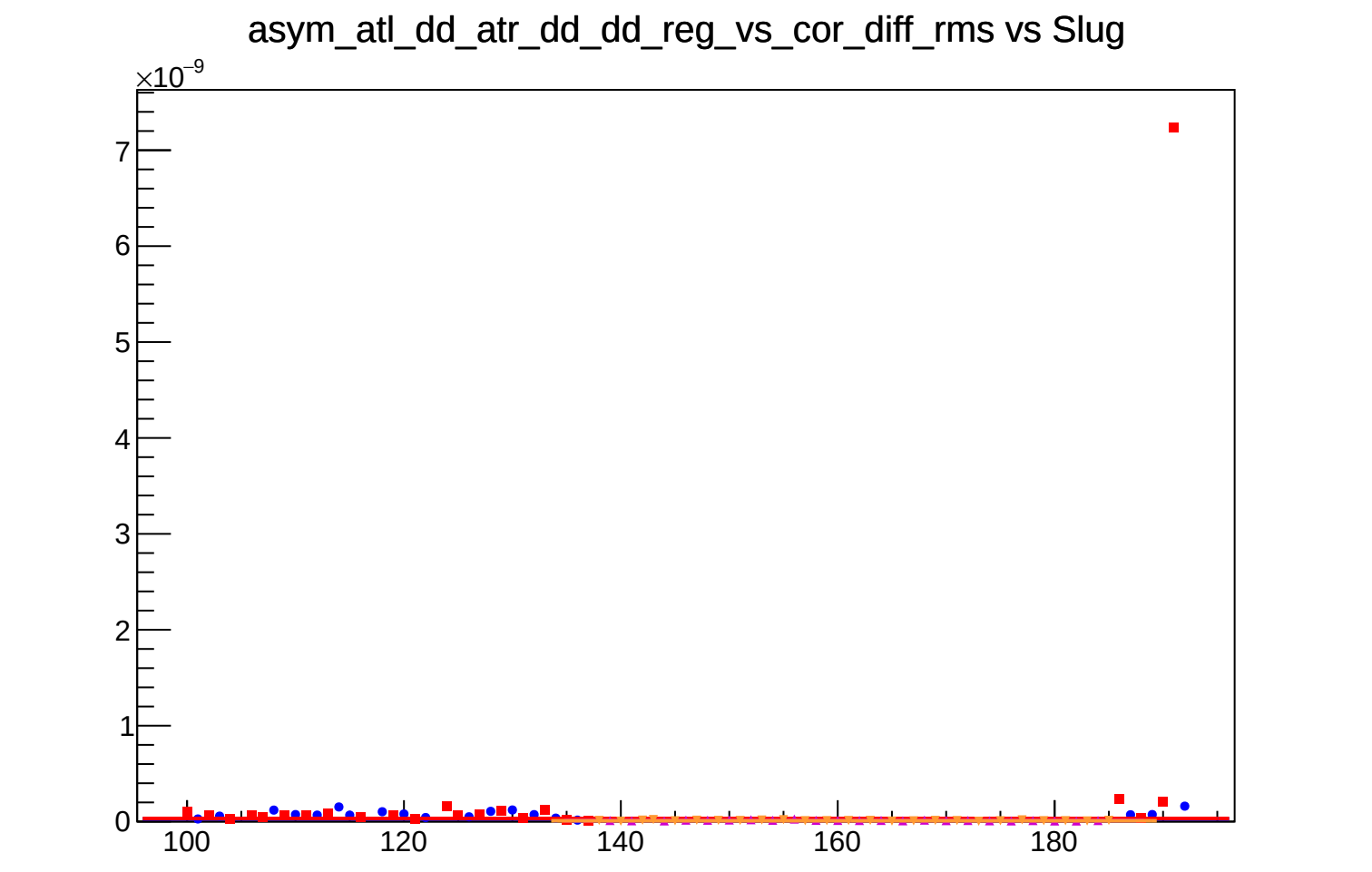
Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/22

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/43

All: 0.000+/-0.000 χ^2/NDF: 91.7/89

- sign -0.000+/-0.000 χ^2/NDF: 48.4/45



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

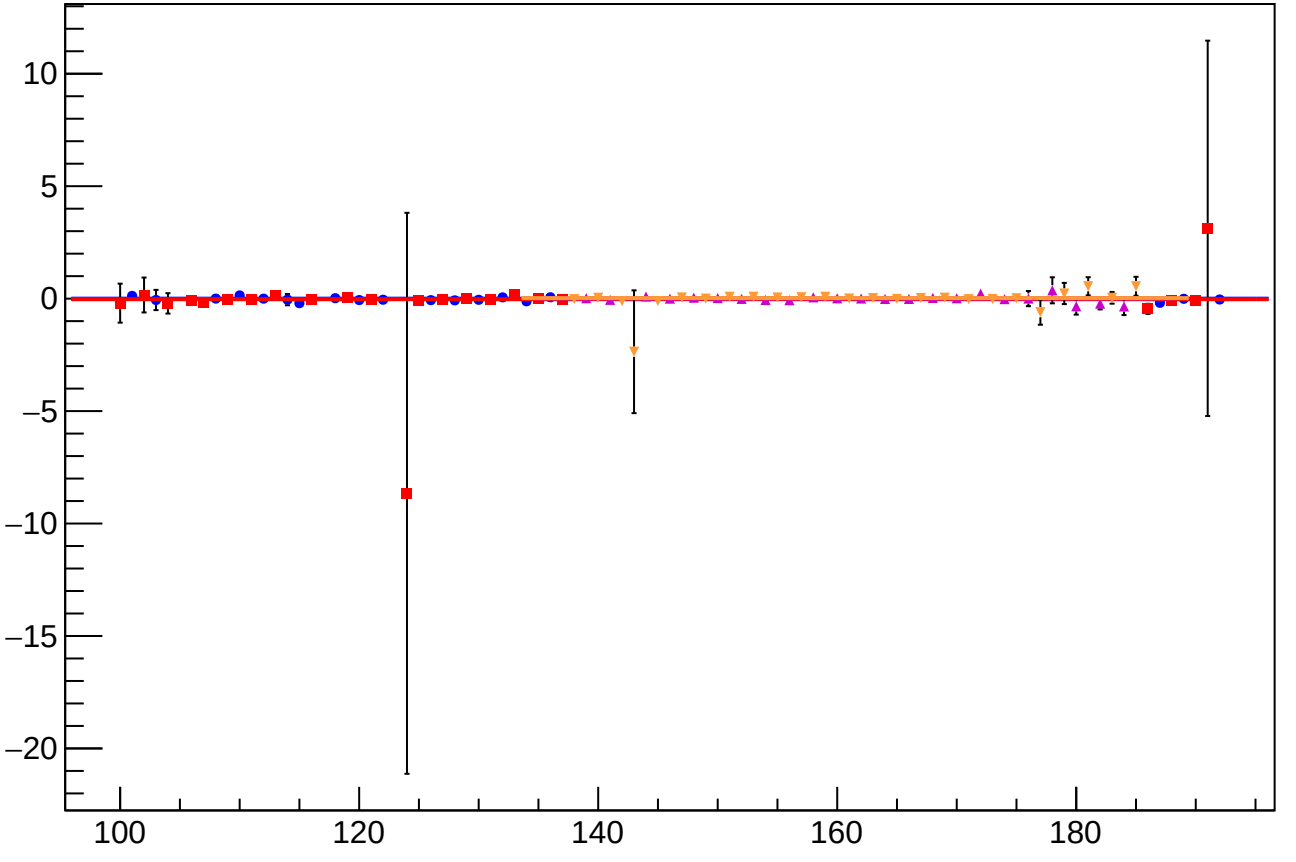
Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7708858.8/43

All: 0.000+/-0.000 χ^2/NDF: 14253257.7/89

- sign 0.000+/-0.000 χ^2/NDF: 6291669.3/45

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug



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

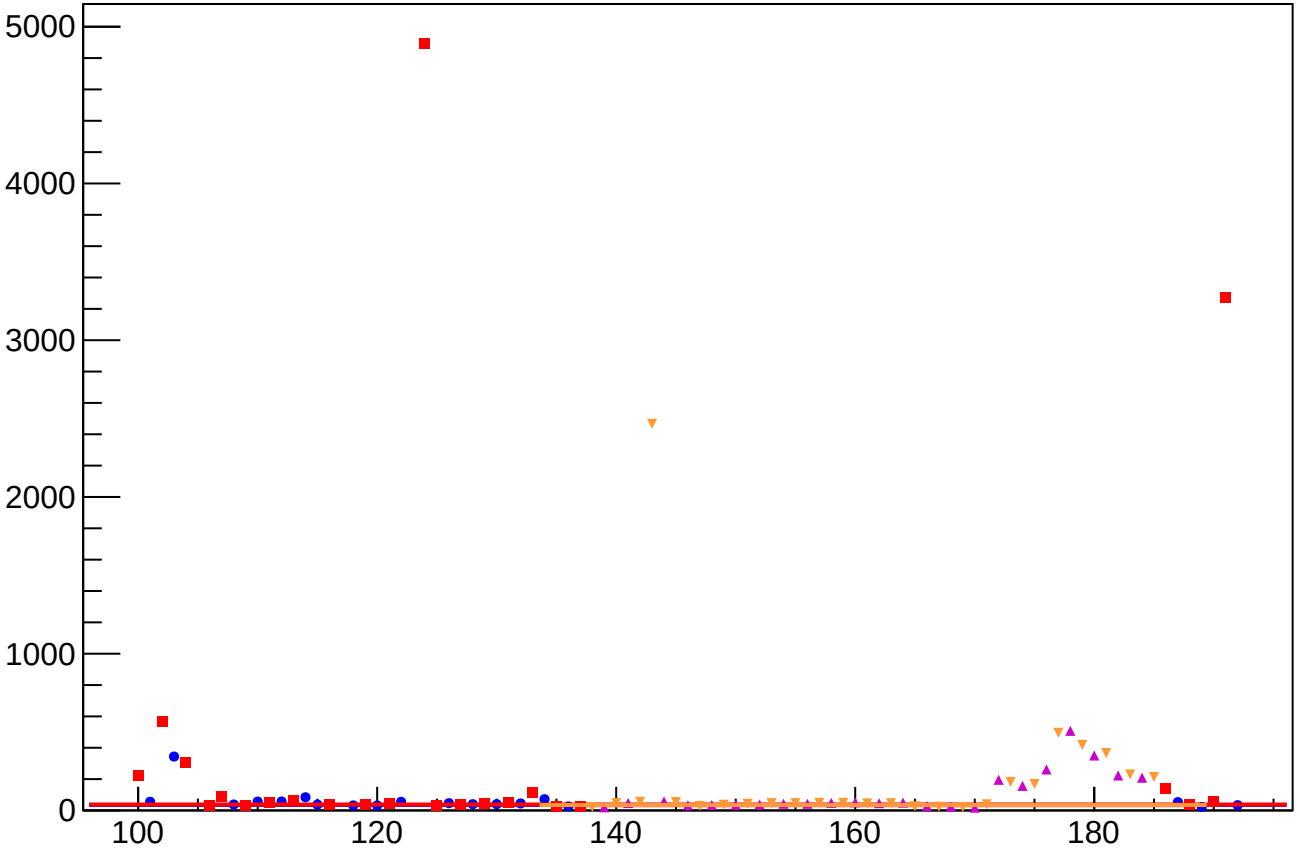
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.8/89

- sign -0.001+/-0.008 χ^2/NDF: 37.4/45

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.463+/-0.010 χ^2/NDF: 2259217.2/18

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

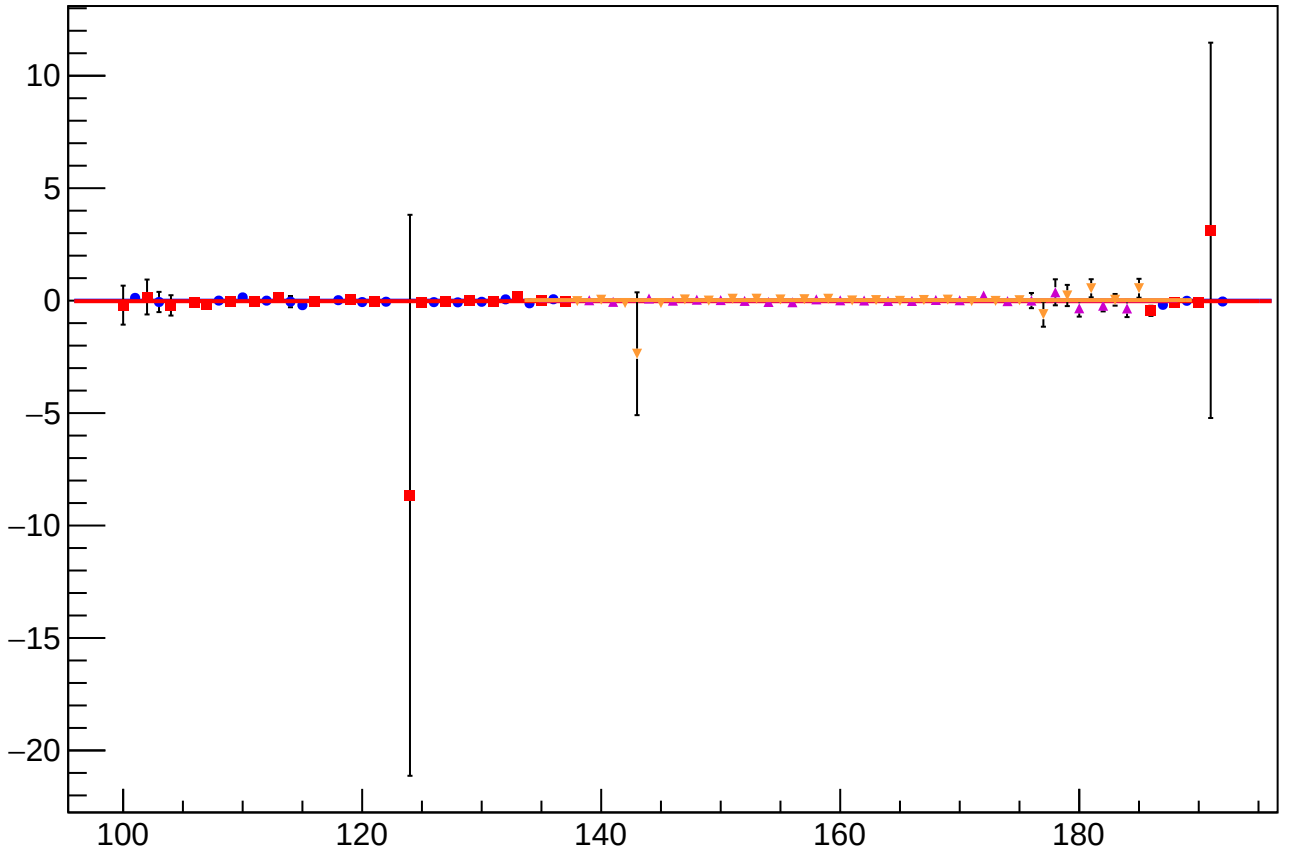
Right Out: 37.613+/-0.011 χ^2/NDF: 4009545.5/22

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.919+/-0.006 χ^2/NDF: 13666431.7/43

All: 34.859+/-0.004 χ^2/NDF: 27841788.7/89

\- sign 34.798+/-0.006 χ^2/NDF: 14175142.3/45



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

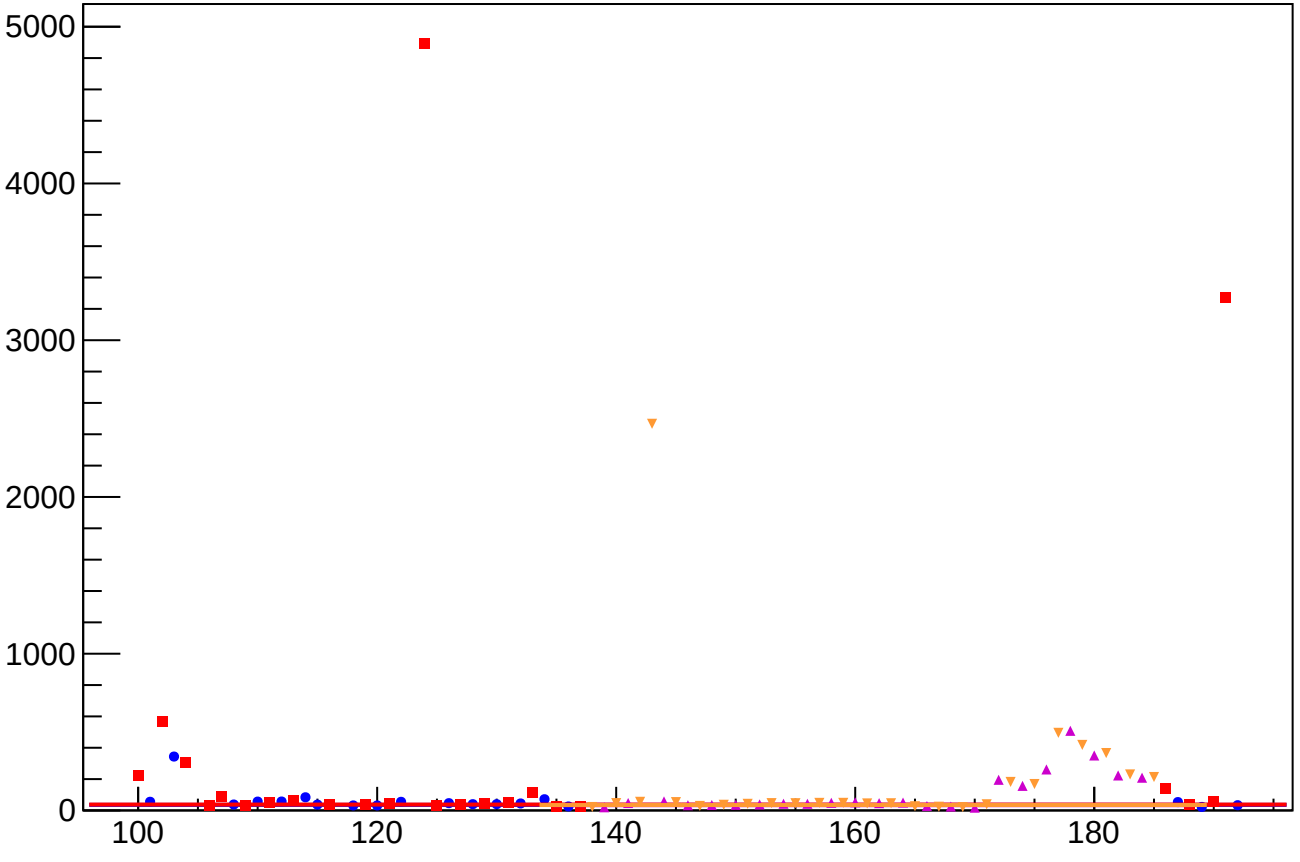
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.8/89

- sign -0.001+/-0.008 χ^2/NDF: 37.4/45

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.463+/-0.010 χ^2/NDF: 2259217.2/18

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

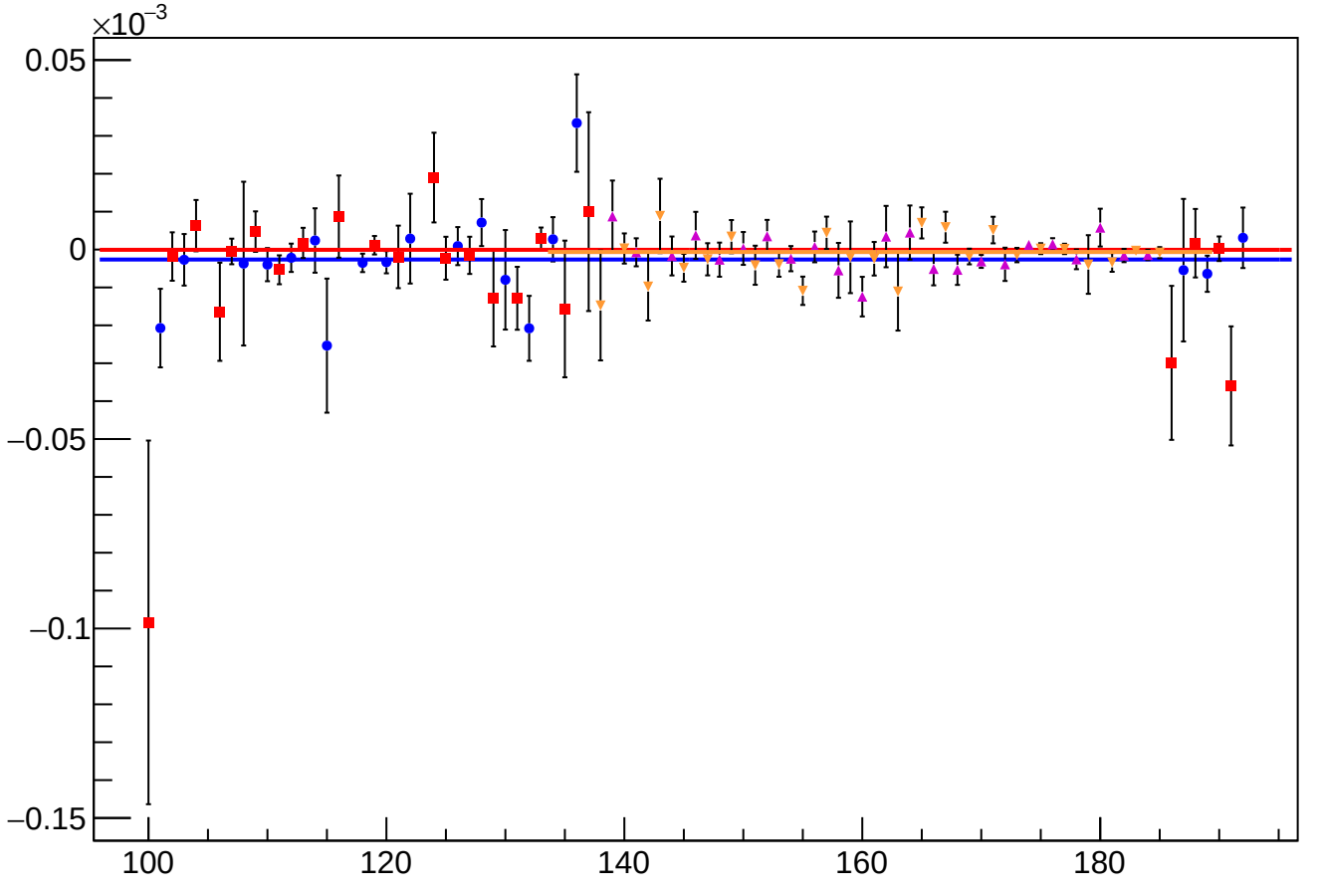
Right Out: 37.613+/-0.011 χ^2/NDF: 4009545.5/22

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.919+/-0.006 χ^2/NDF: 13666431.7/43

All: 34.859+/-0.004 χ^2/NDF: 27841788.7/89

\- sign 34.798+/-0.006 χ^2/NDF: 14175142.3/45



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

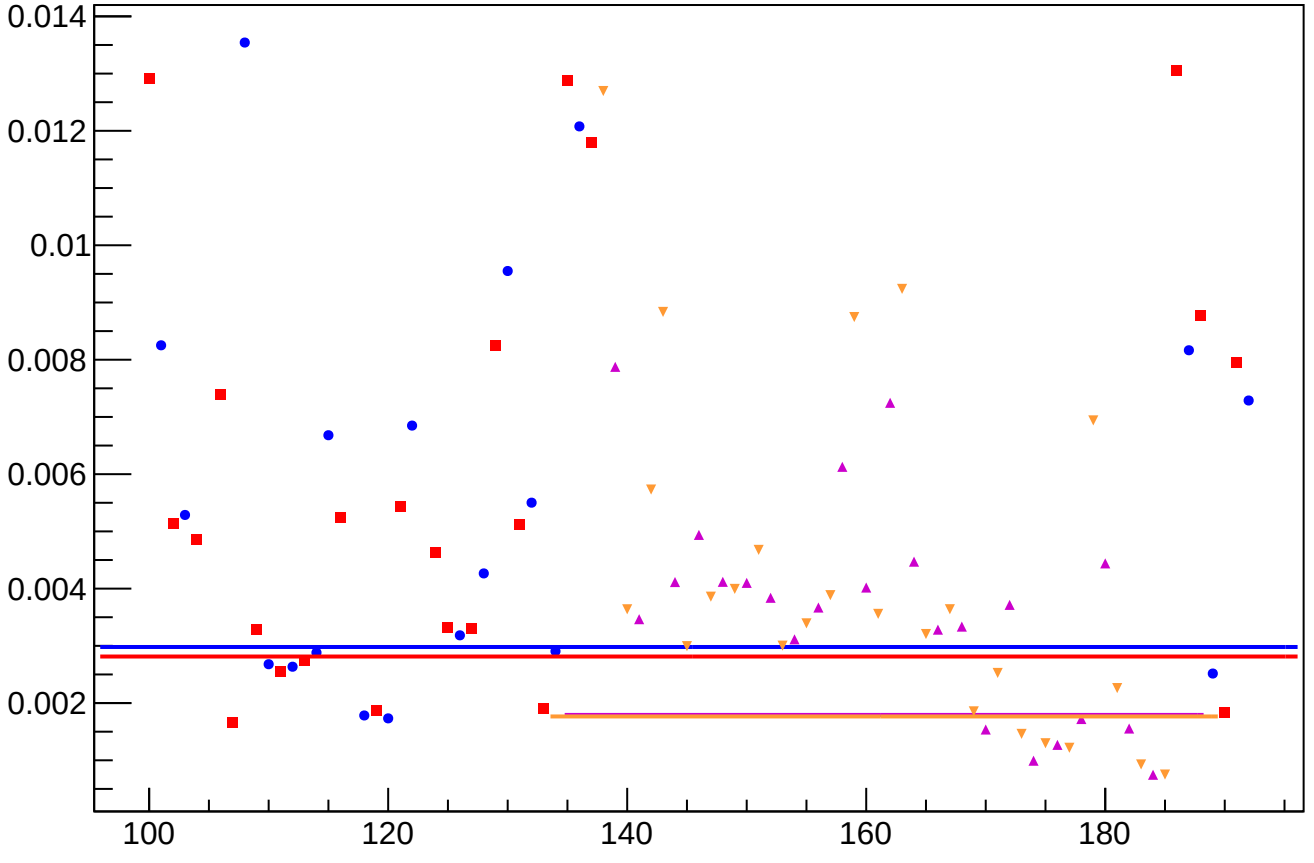
Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.6/43

All: -0.000+/-0.000 χ^2/NDF: 102.5/89

- sign -0.000+/-0.000 χ^2/NDF: 48.5/45

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4918690.9/18

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

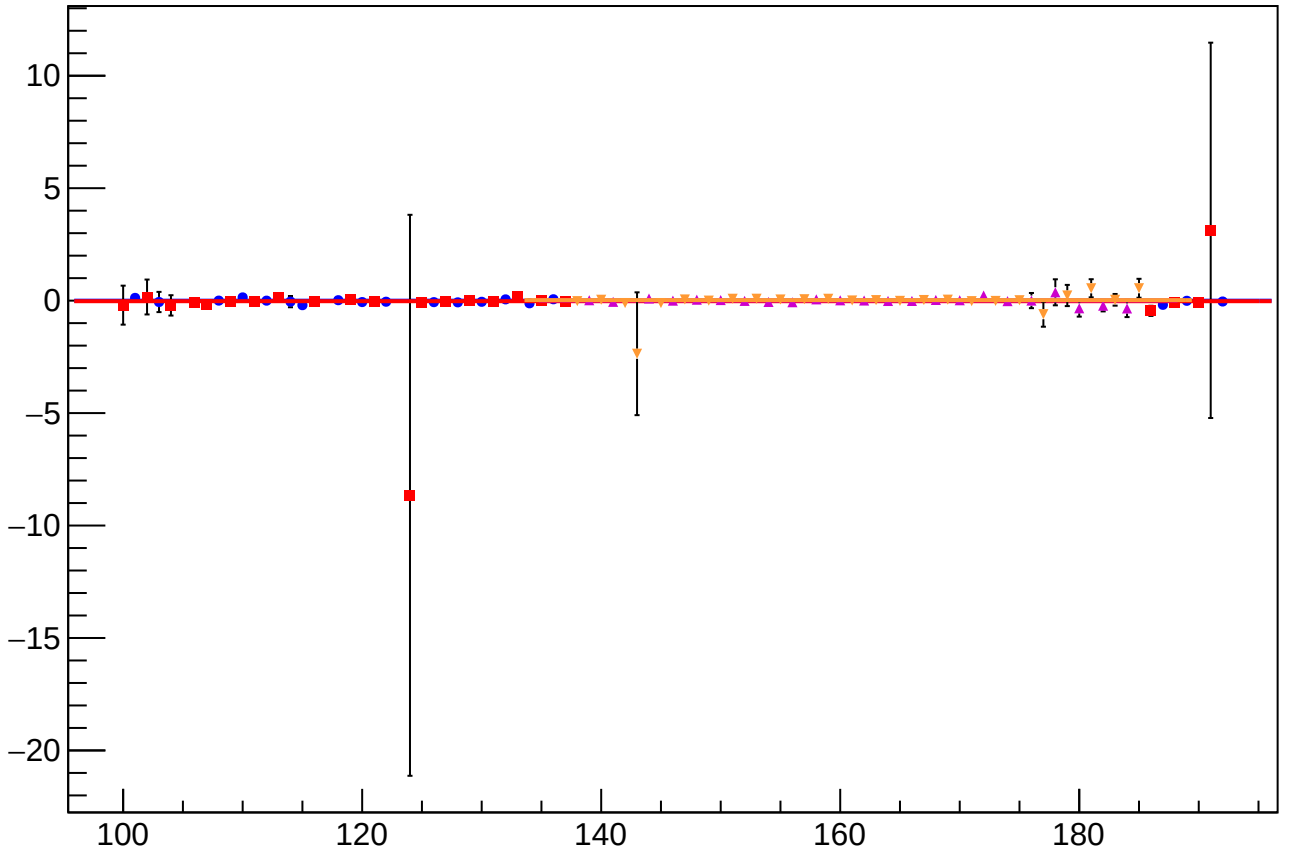
Right Out: 0.003+/-0.000 χ^2/NDF: 5087953.2/22

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 19479825.5/43

All: 0.002+/-0.000 χ^2/NDF: 36746713.4/89

- sign 0.002+/-0.000 χ^2/NDF: 17254395.7/45



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

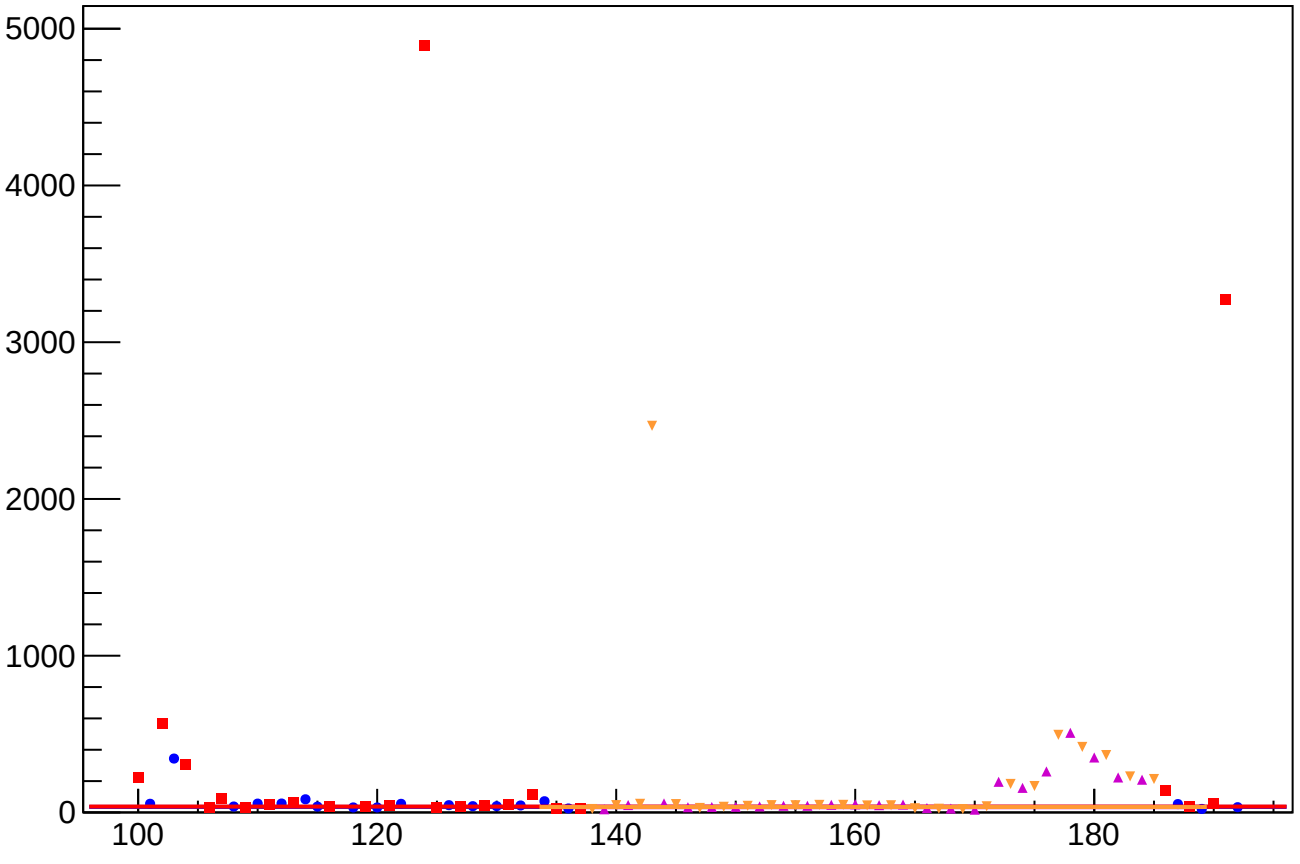
Right Out: -0.025+/-0.015 χ^2/NDF: 18.9/22

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.8/89

- sign -0.001+/-0.008 χ^2/NDF: 37.4/45



Right In: 35.465+/-0.010 χ^2/NDF: 2258575.1/18

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

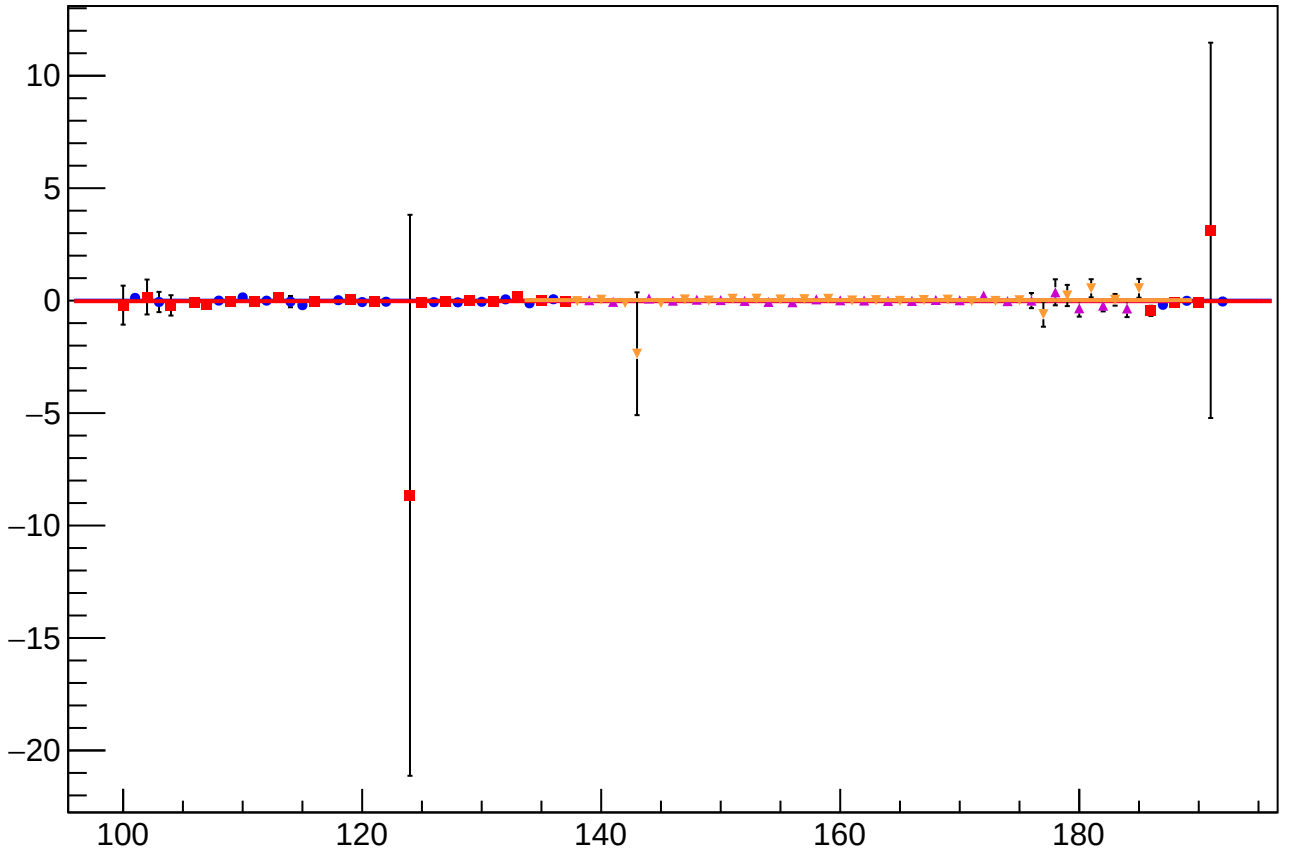
Right Out: 37.615+/-0.011 χ^2/NDF: 4009219.7/22

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 34.919+/-0.006 χ^2/NDF: 13665940.6/43

All: 34.860+/-0.004 χ^2/NDF: 27839671.0/89

\- sign 34.800+/-0.006 χ^2/NDF: 14173522.8/45



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

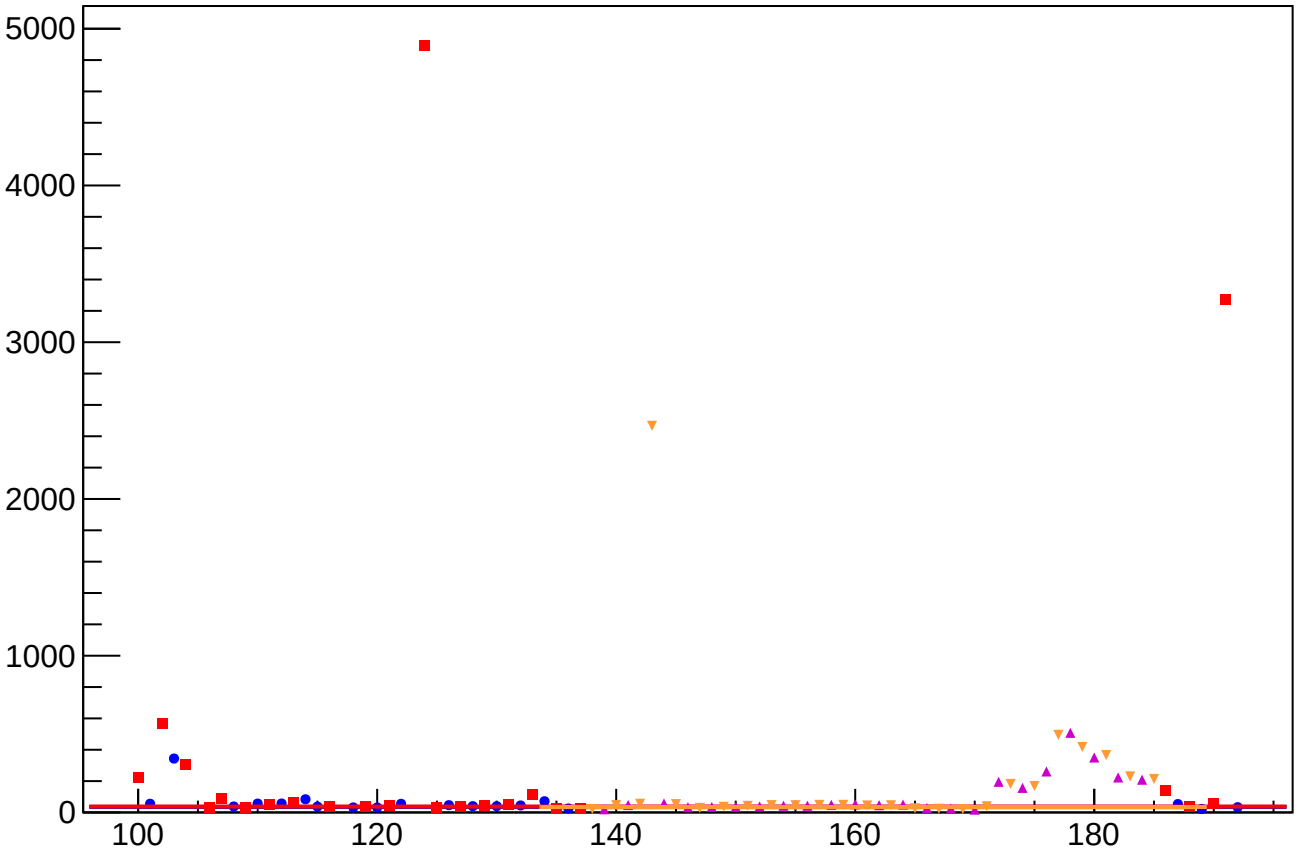
Right Out: -0.025+/-0.015 χ^2/NDF: 18.9/22

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.8/89

- sign -0.001+/-0.008 χ^2/NDF: 37.4/45



Right In: 35.465+/-0.010 χ^2/NDF: 2258575.1/18

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

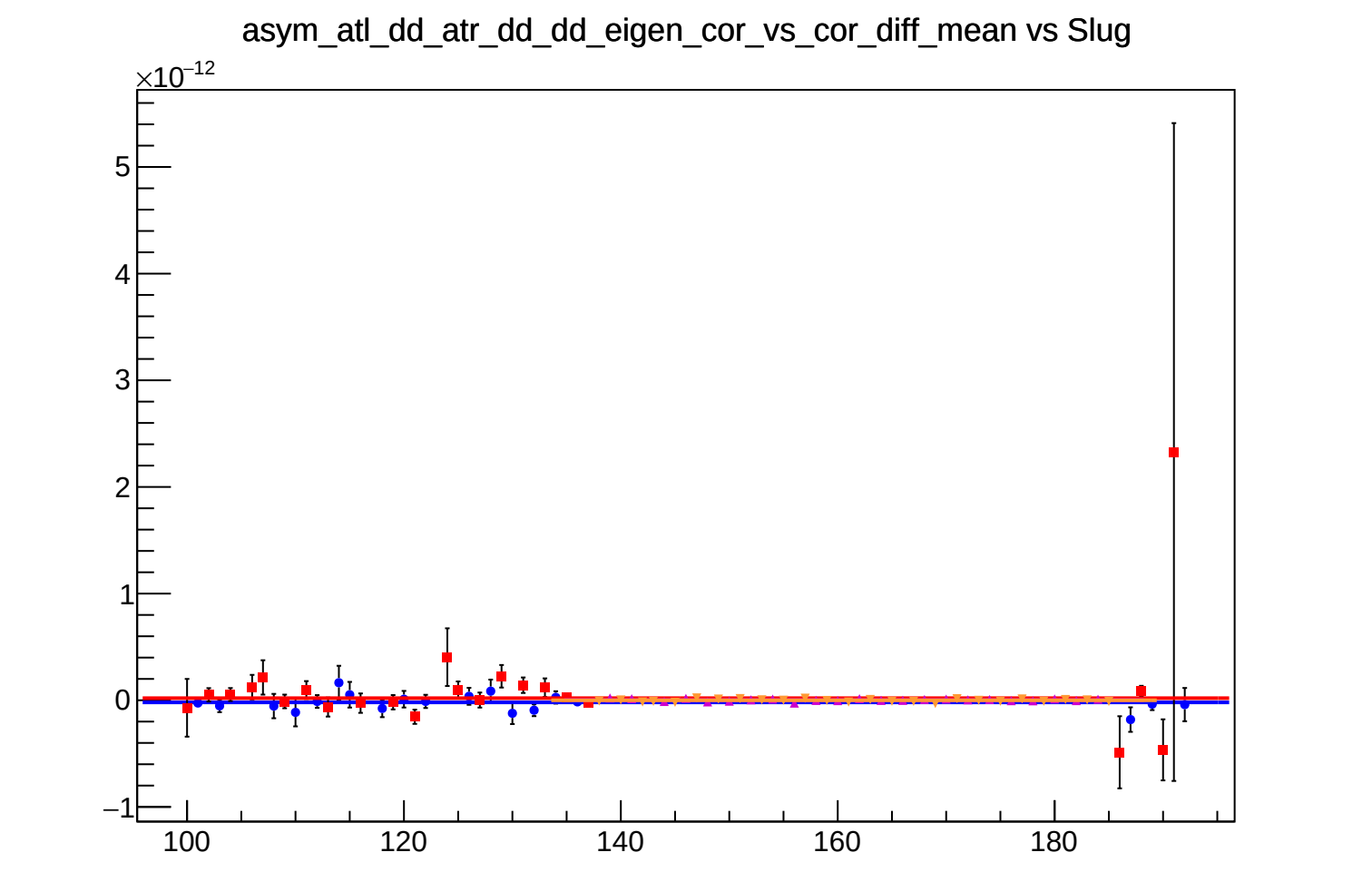
Right Out: 37.615+/-0.011 χ^2/NDF: 4009219.7/22

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.919+/-0.006 χ^2/NDF: 13665940.6/43

All: 34.860+/-0.004 χ^2/NDF: 27839671.0/89

- sign 34.800+/-0.006 χ^2/NDF: 14173522.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

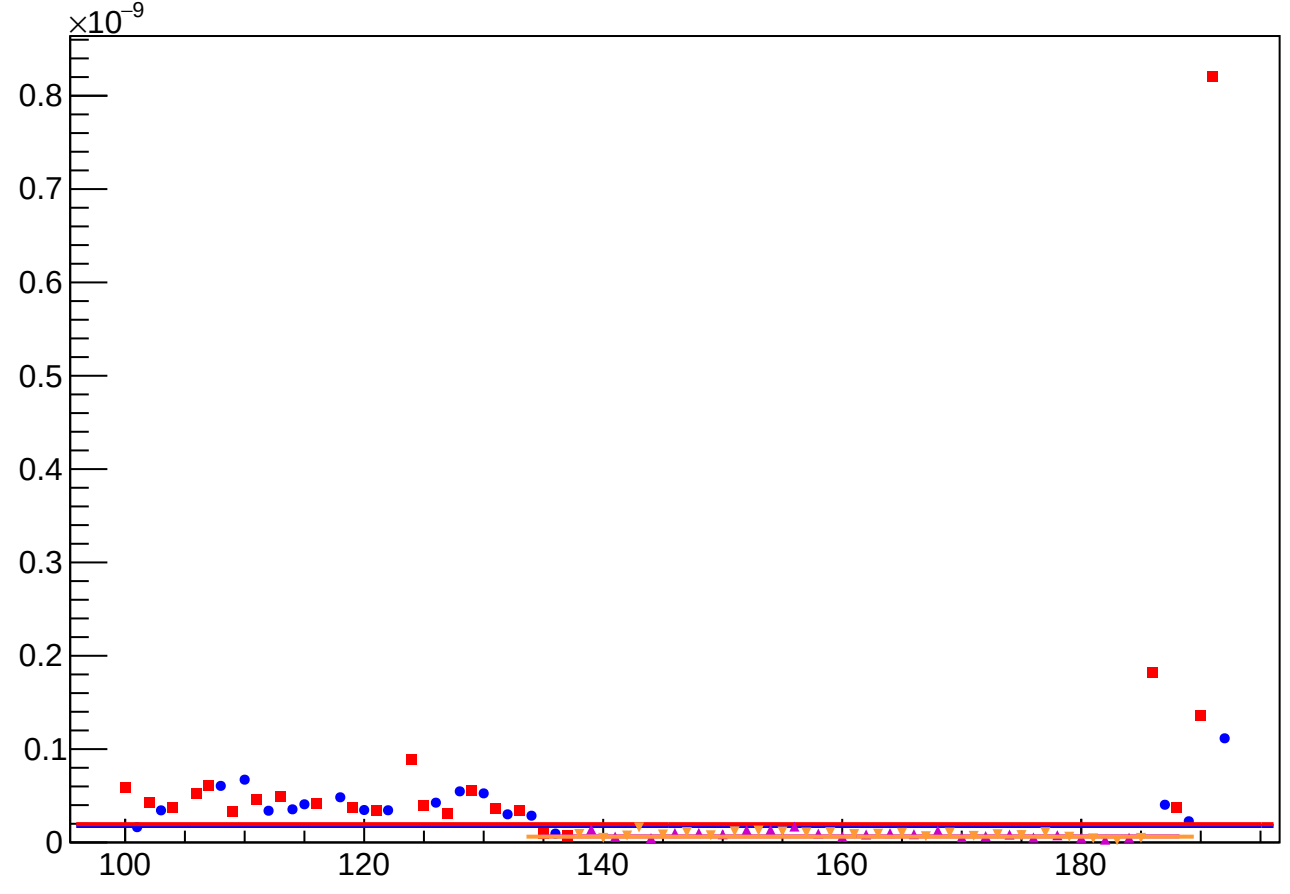
Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/22

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.4/43

All: 0.000+/-0.000 χ^2/NDF: 99.4/89

- sign 0.000+/-0.000 χ^2/NDF: 57.2/45



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

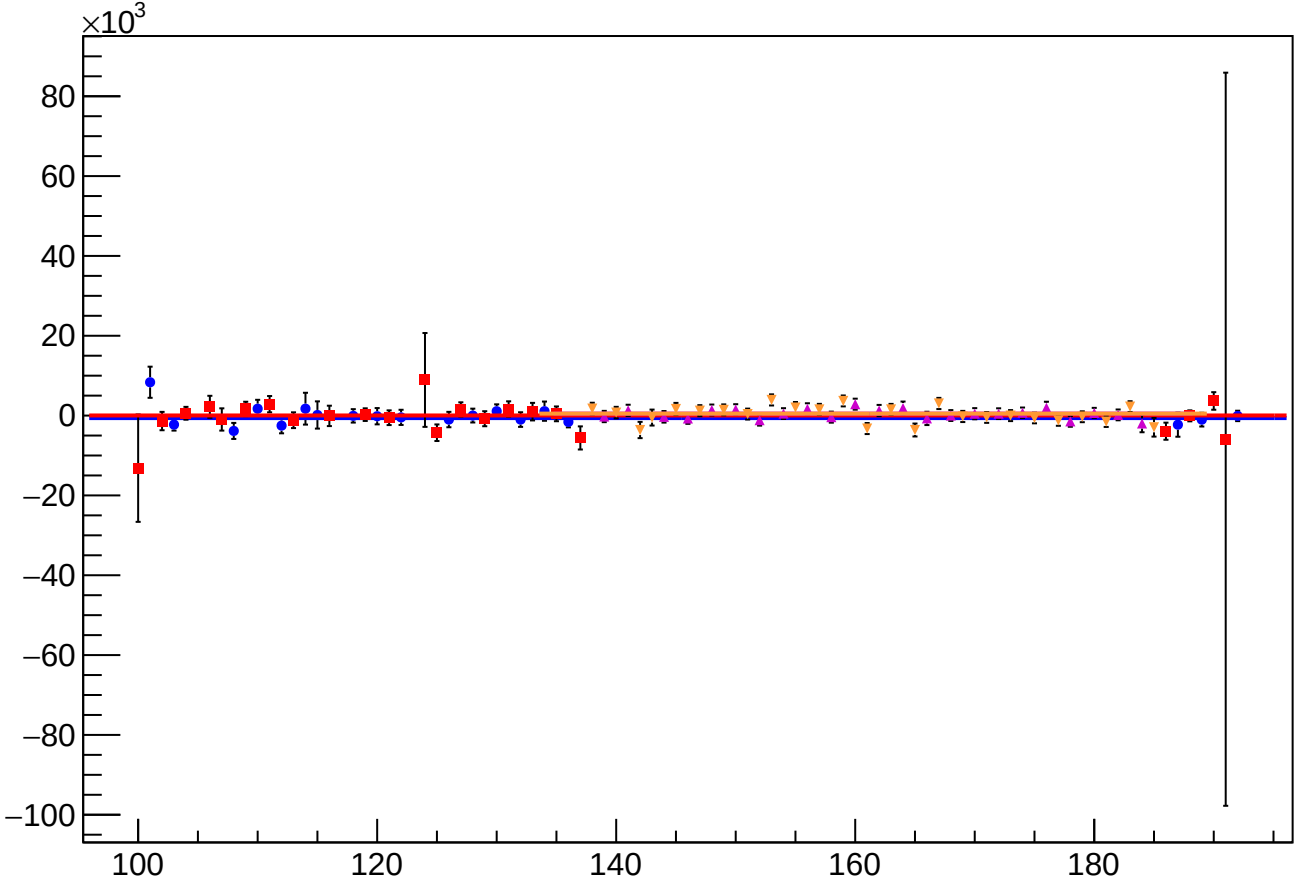
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

\+ sign 0.000+/-0.000 χ^2/NDF: 11782598.5/43

All: 0.000+/-0.000 χ^2/NDF: 23544447.2/89

\- sign 0.000+/-0.000 χ^2/NDF: 11739251.1/45

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



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

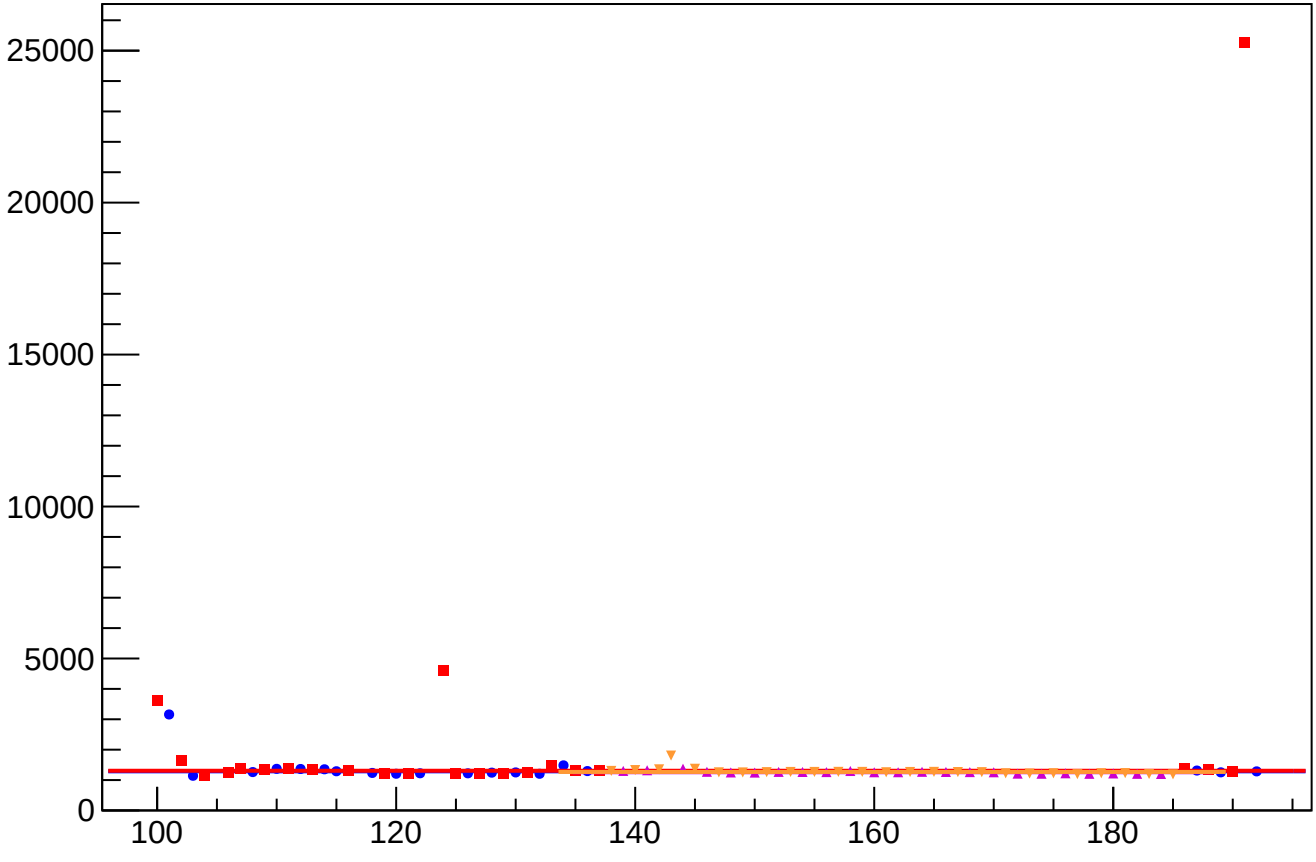
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 152.432+/-240.862 χ^2/NDF: 65.9/43

All: 247.885+/-171.549 χ^2/NDF: 103.4/89

- sign 346.154+/-244.389 χ^2/NDF: 37.2/45

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.289+/-0.309 χ^2/NDF: 515593.7/18

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

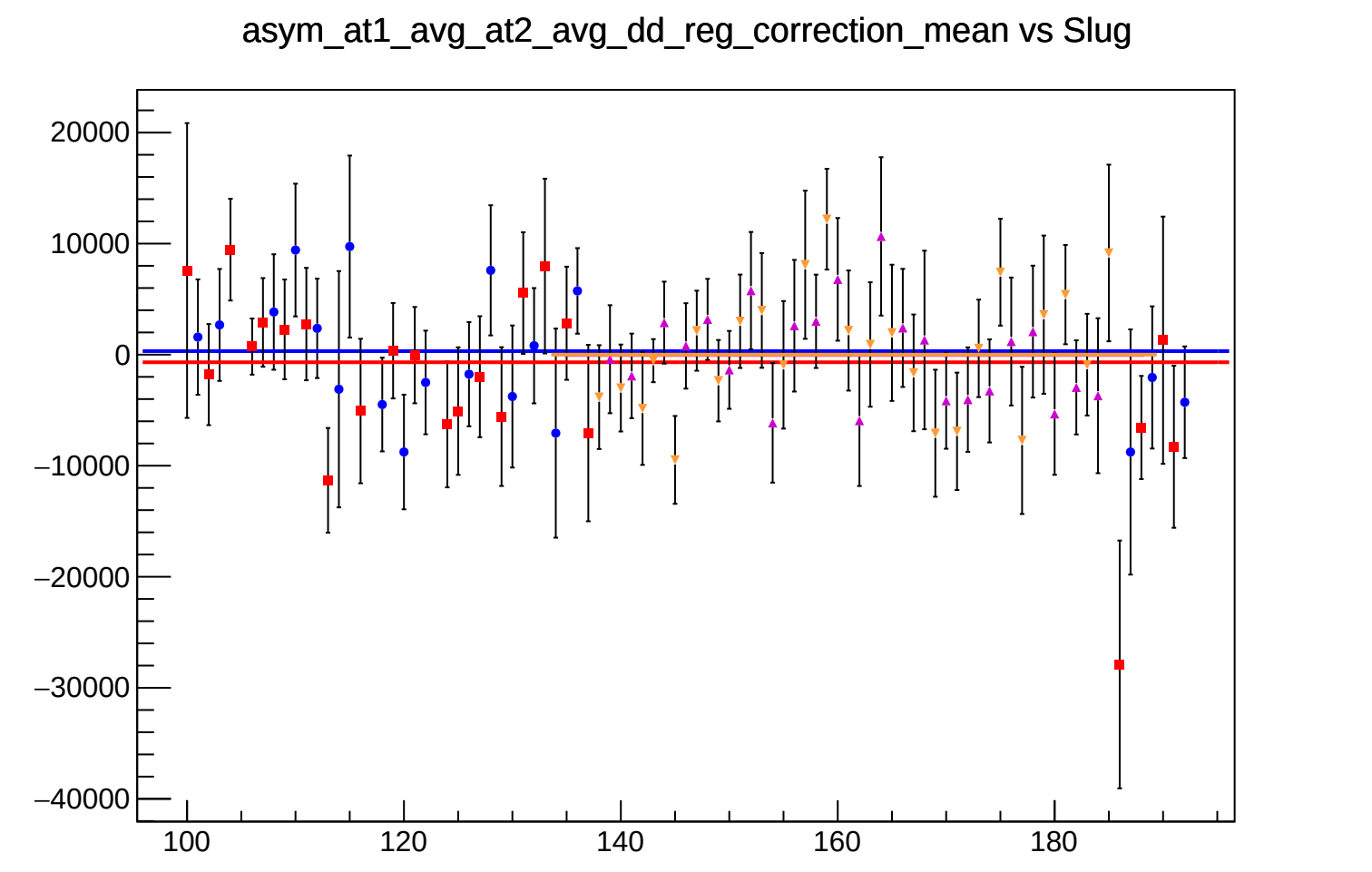
Right Out: 1306.165+/-0.311 χ^2/NDF: 464347.1/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706145.6/43

All: 1272.848+/-0.121 χ^2/NDF: 1224229.1/89

- sign 1272.565+/-0.173 χ^2/NDF: 518078.2/45



Right In: 317.922+/-1248.509 χ^2/NDF: 15.9/18

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

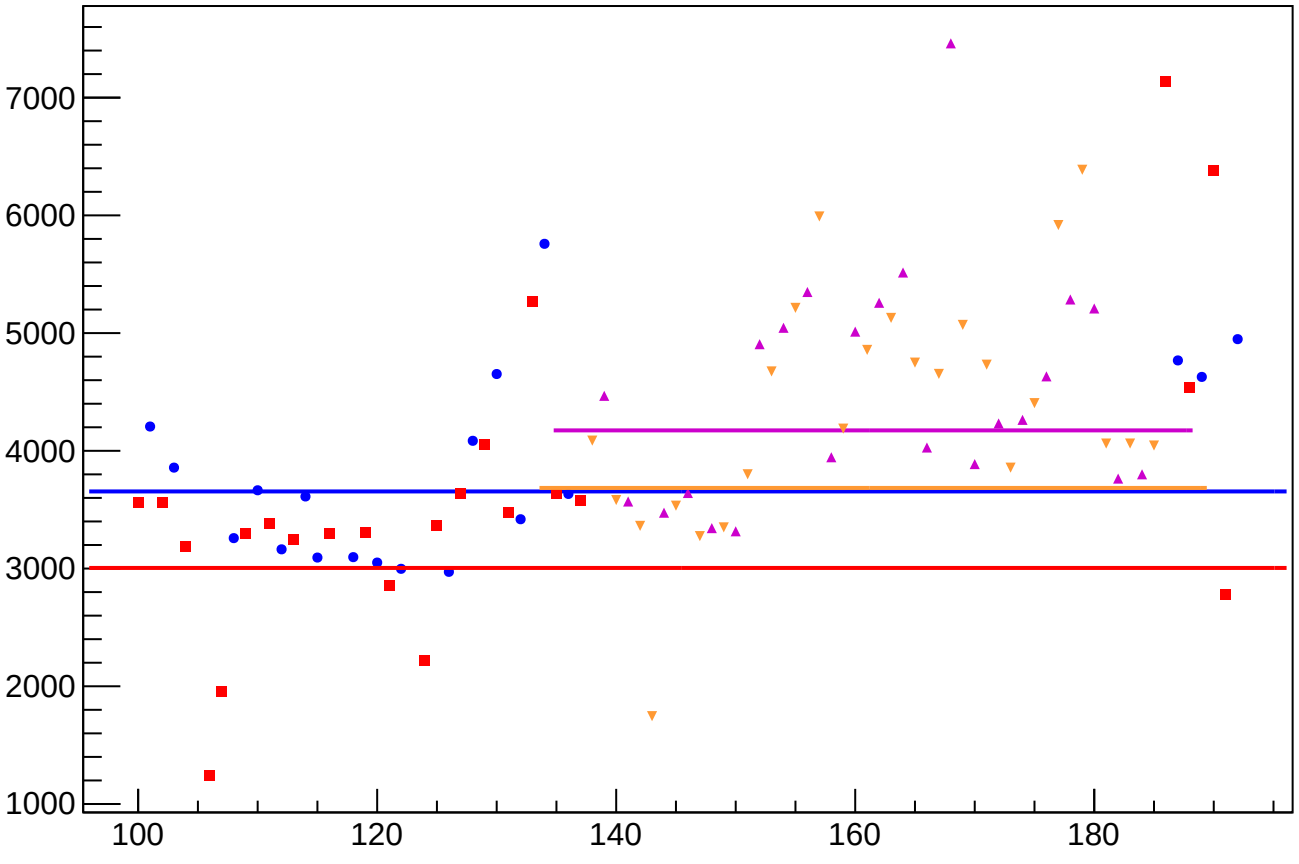
Right Out: -684.995+/-1059.241 χ^2/NDF: 27.5/22

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 106.157+/-722.814 χ^2/NDF: 45.0/43

All: -115.140+/-512.002 χ^2/NDF: 86.9/89

- sign -337.994+/-725.354 χ^2/NDF: 41.8/45



Right In: 3655.027+/-0.883 χ^2/NDF: 577740.2/18

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

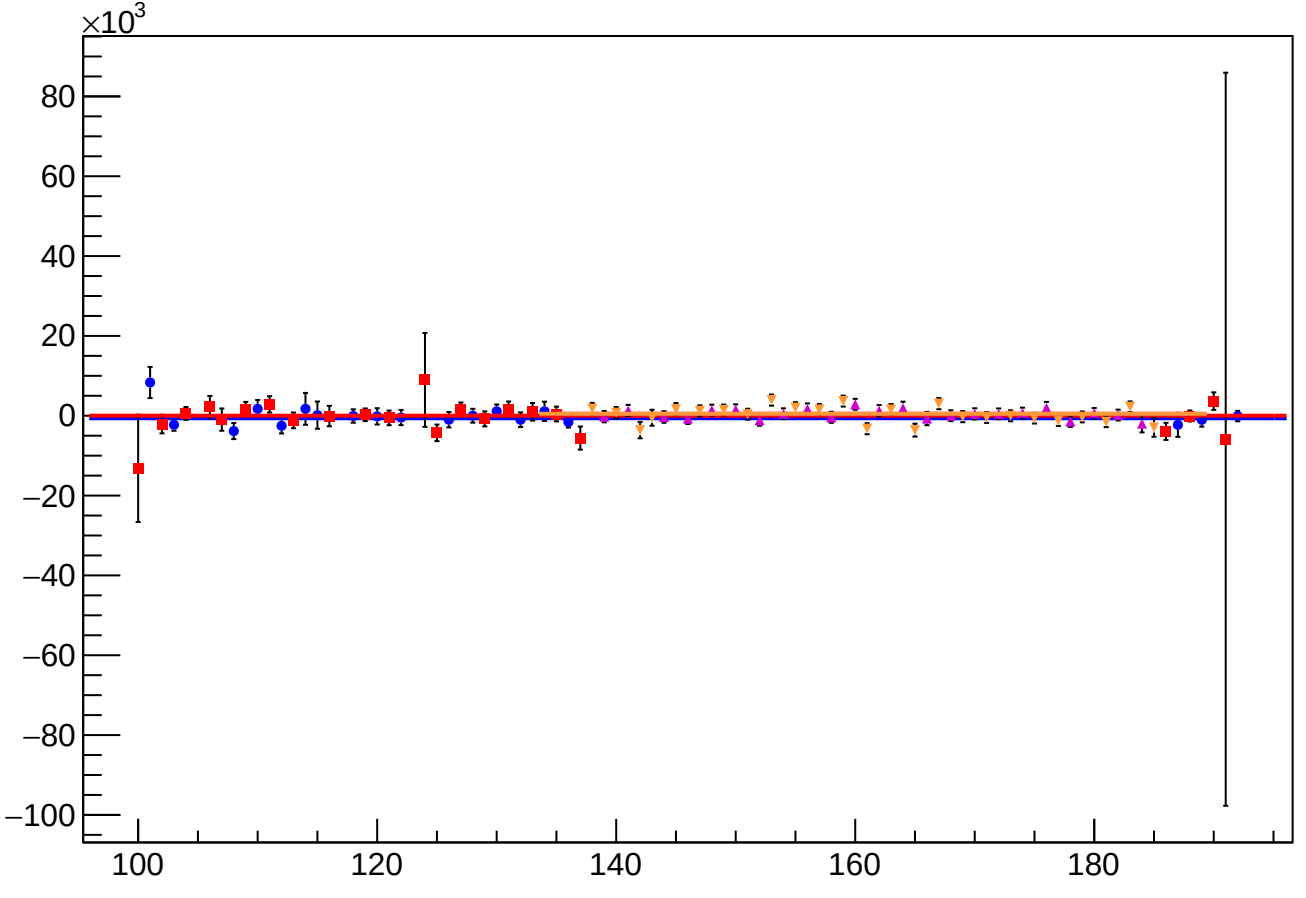
Right Out: 3005.128+/-0.749 χ^2/NDF: 2218383.6/22

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3674.800+/-0.511 χ^2/NDF: 4272141.3/43

All: 3650.307+/-0.362 χ^2/NDF: 9062497.1/89

- sign 3625.642+/-0.513 χ^2/NDF: 4785746.7/45



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

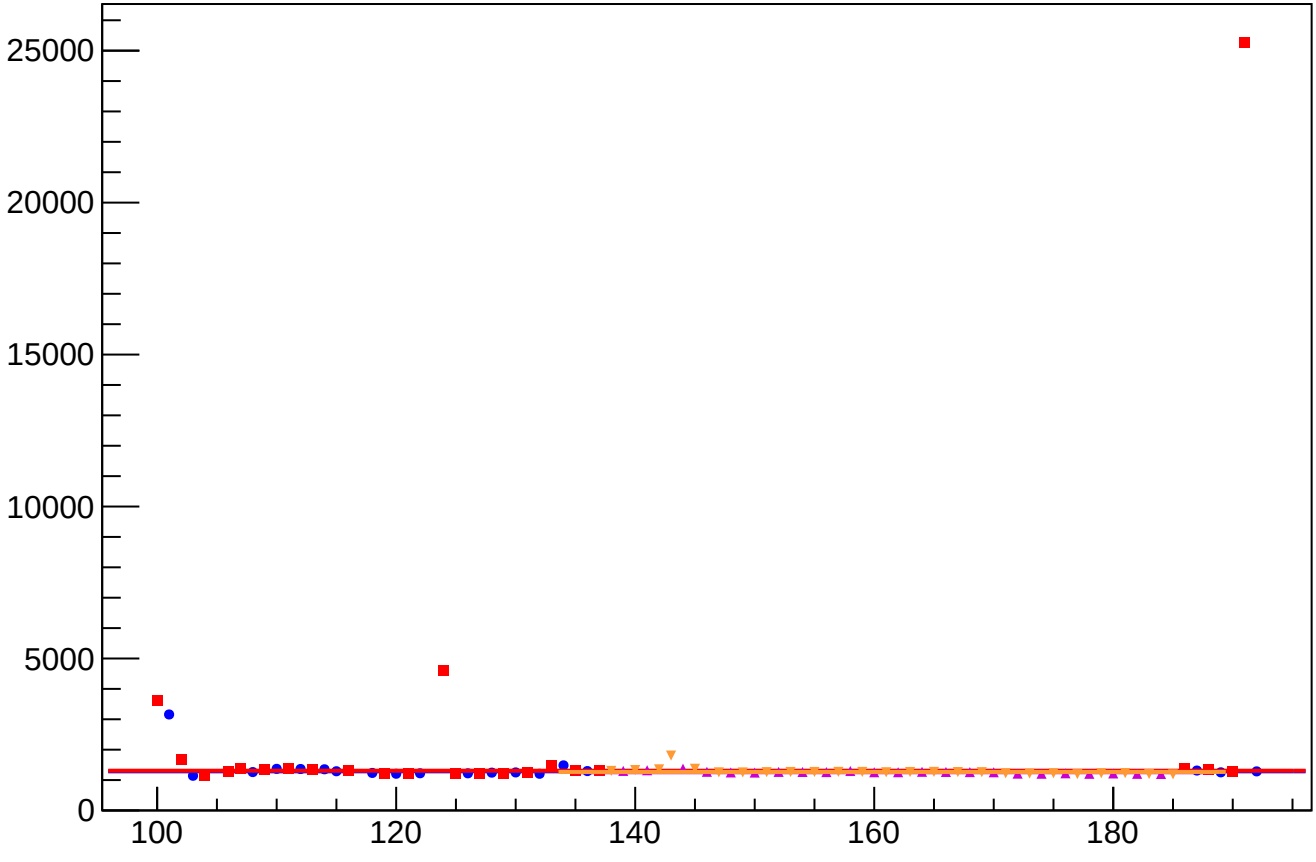
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 244.254+/-171.563 χ^2/NDF: 103.9/89

- sign 338.902+/-244.429 χ^2/NDF: 37.7/45

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.289+/-0.309 χ^2/NDF: 515595.1/18

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

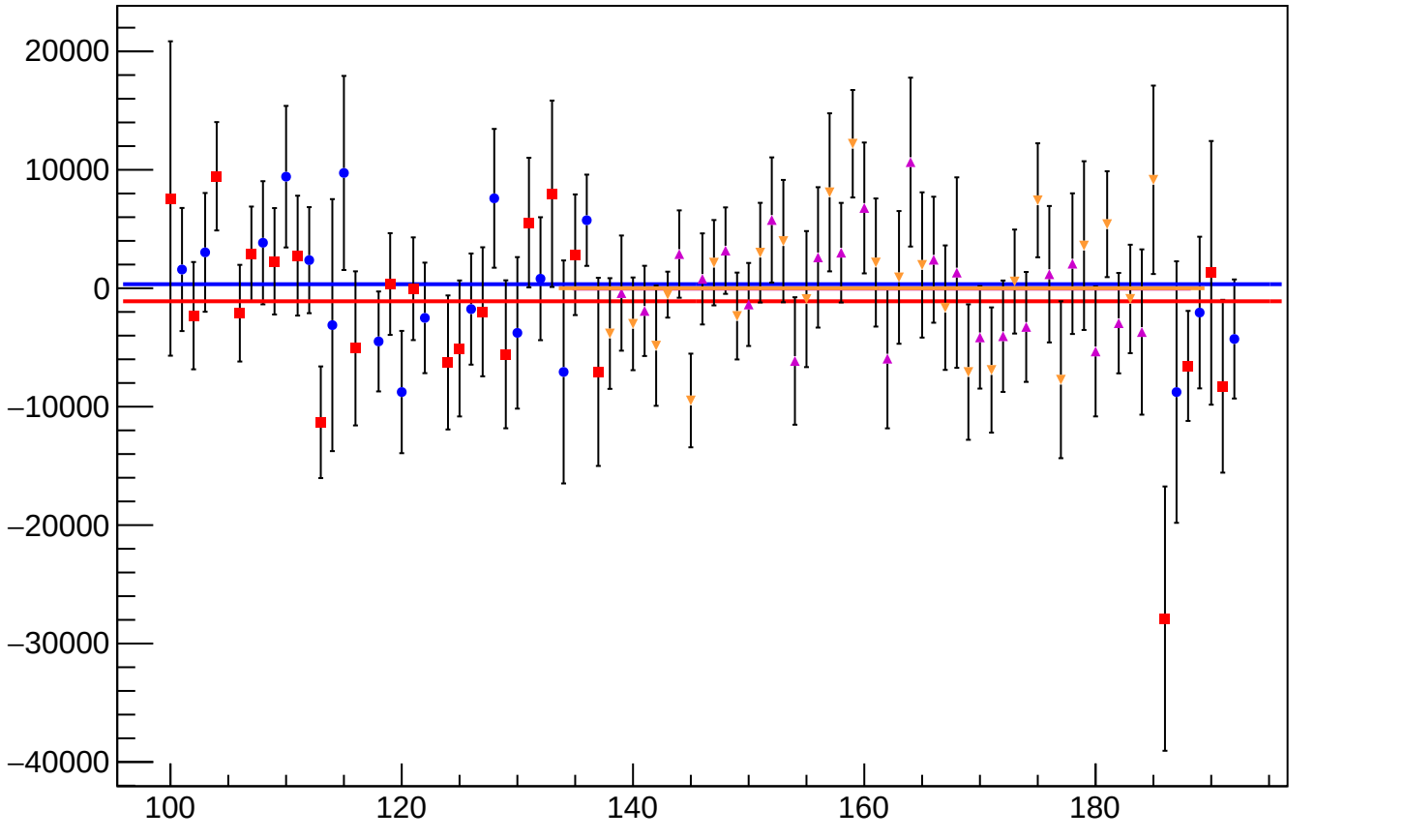
Right Out: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.091+/-0.121 χ^2/NDF: 1231660.1/89

- sign 1273.057+/-0.173 χ^2/NDF: 525513.0/45



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

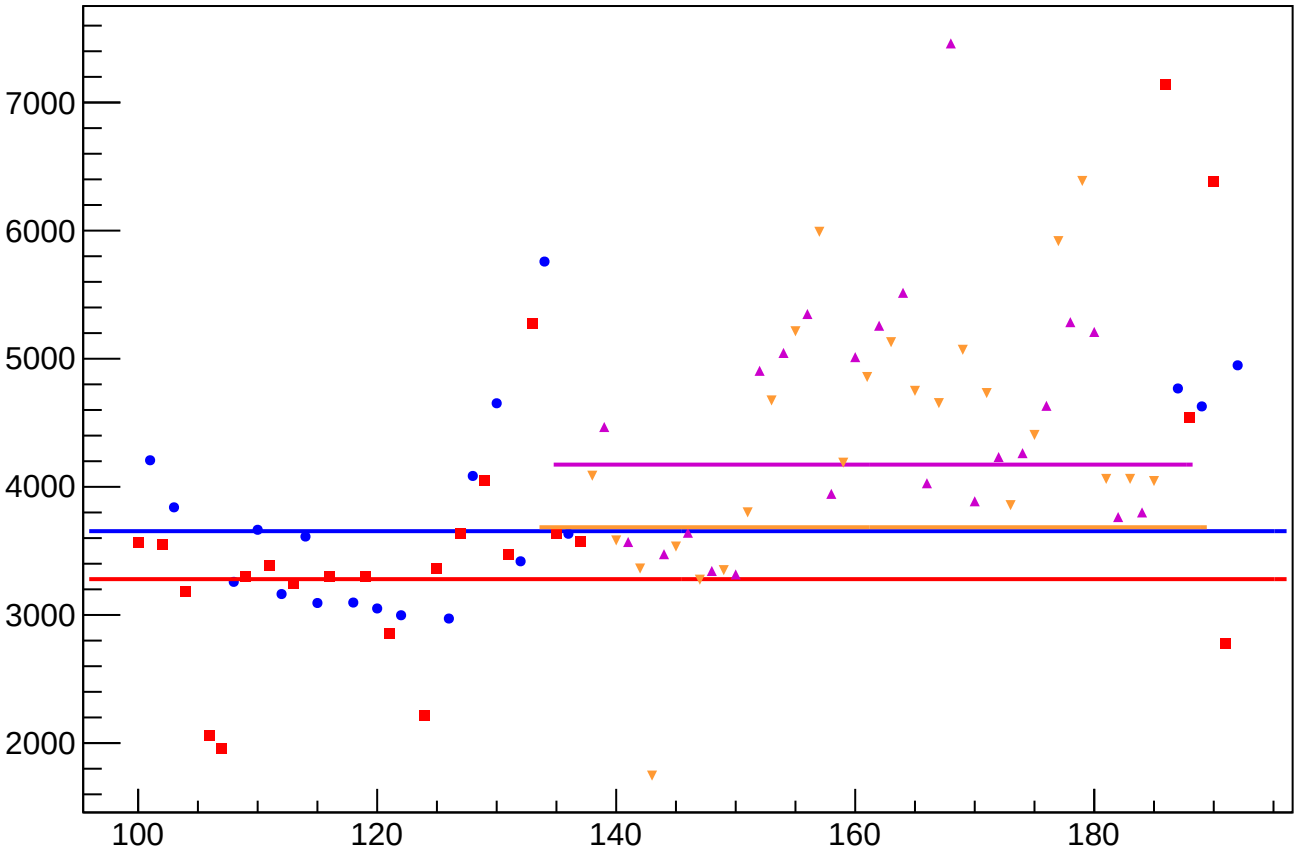
Right Out: -1100.868+/-1121.138 χ^2/NDF: 27.3/22

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 114.011+/-722.740 χ^2/NDF: 45.0/43

All: -185.369+/-518.520 χ^2/NDF: 87.2/89

- sign -502.905+/-744.334 χ^2/NDF: 41.8/45



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

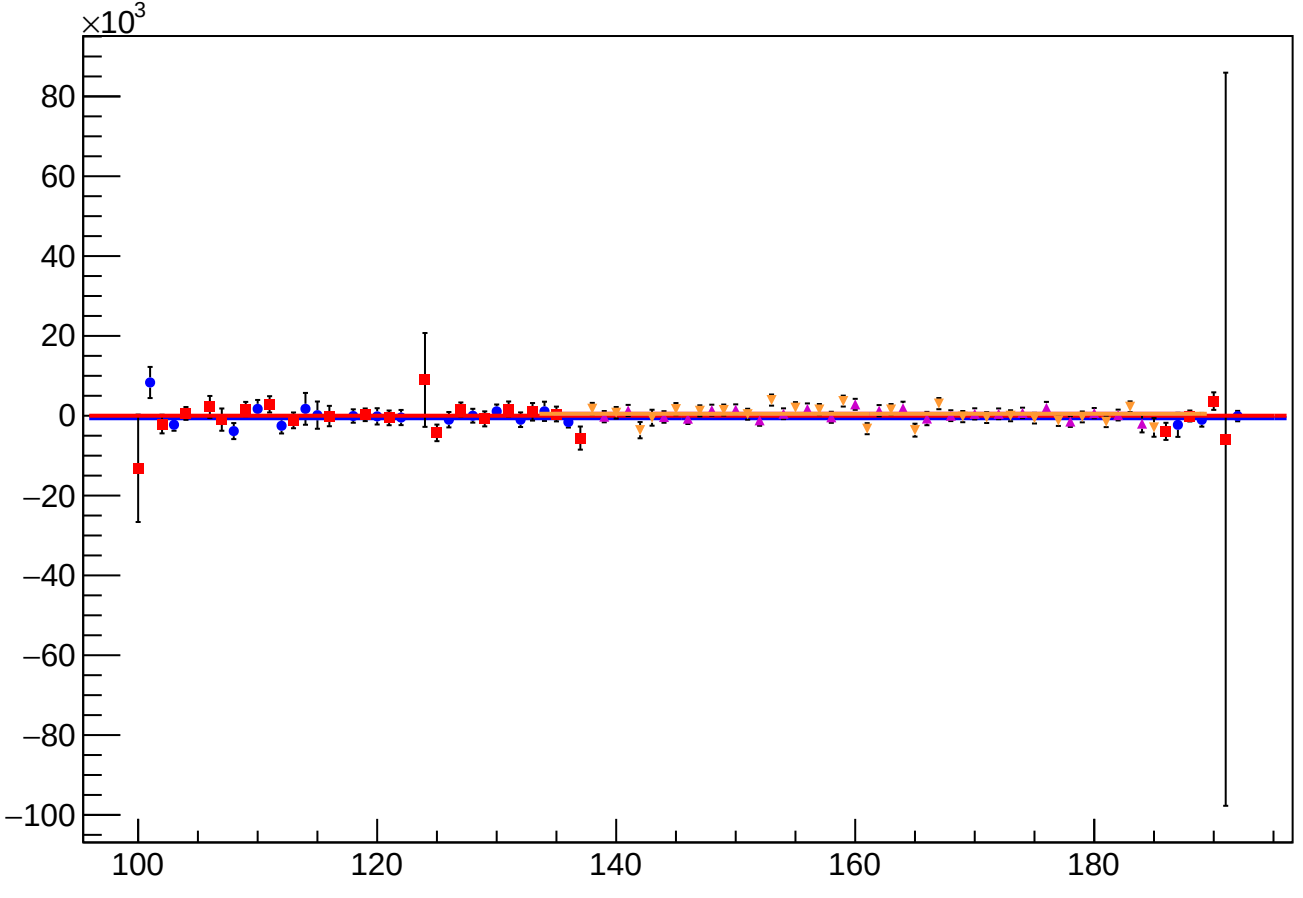
Right Out: 3279.674+/-0.793 χ^2/NDF: 1231847.1/22

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3725.474+/-0.367 χ^2/NDF: 7510107.6/89

- sign 3779.551+/-0.526 χ^2/NDF: 3217787.5/45



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

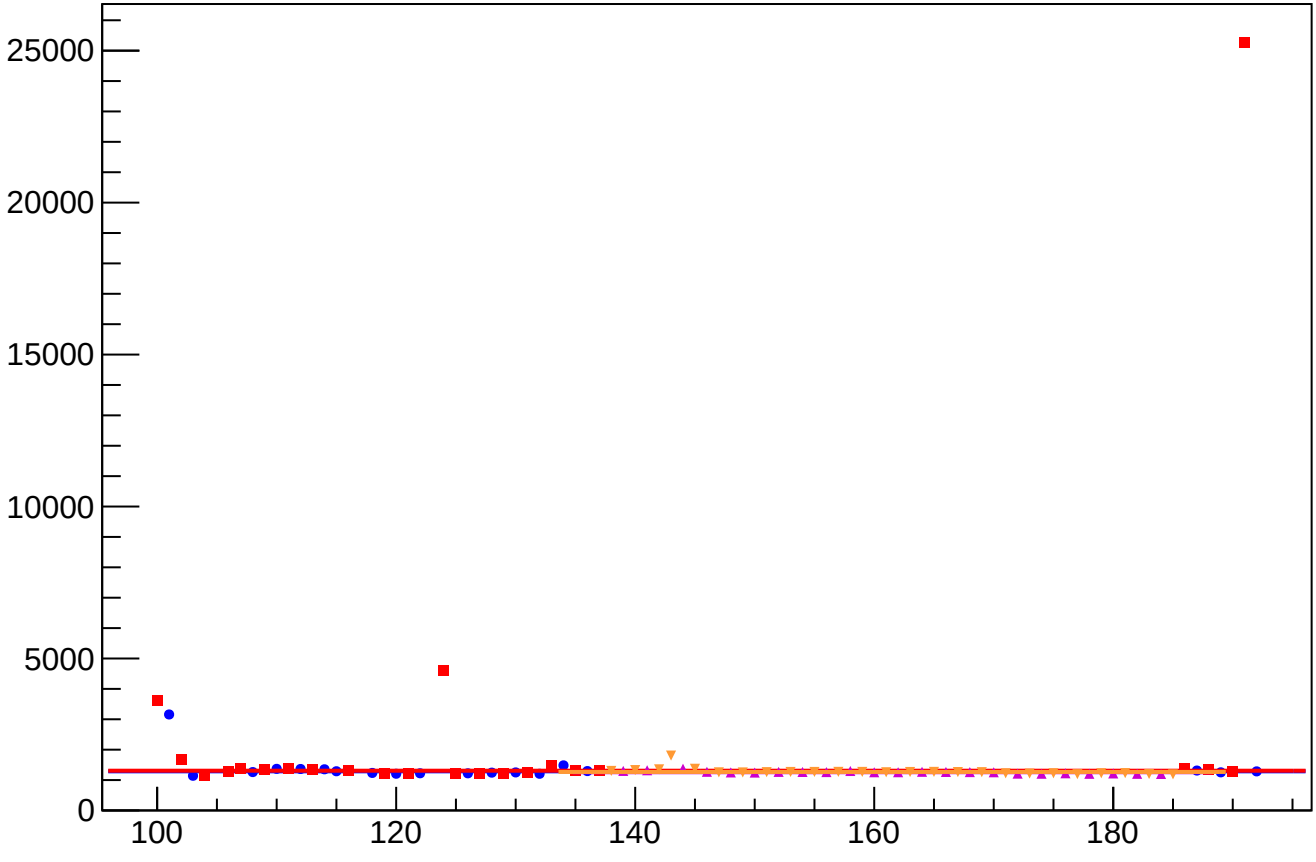
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 244.254+/-171.563 χ^2/NDF: 103.9/89

- sign 338.902+/-244.429 χ^2/NDF: 37.7/45

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1287.289+/-0.309 χ^2/NDF: 515595.1/18

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

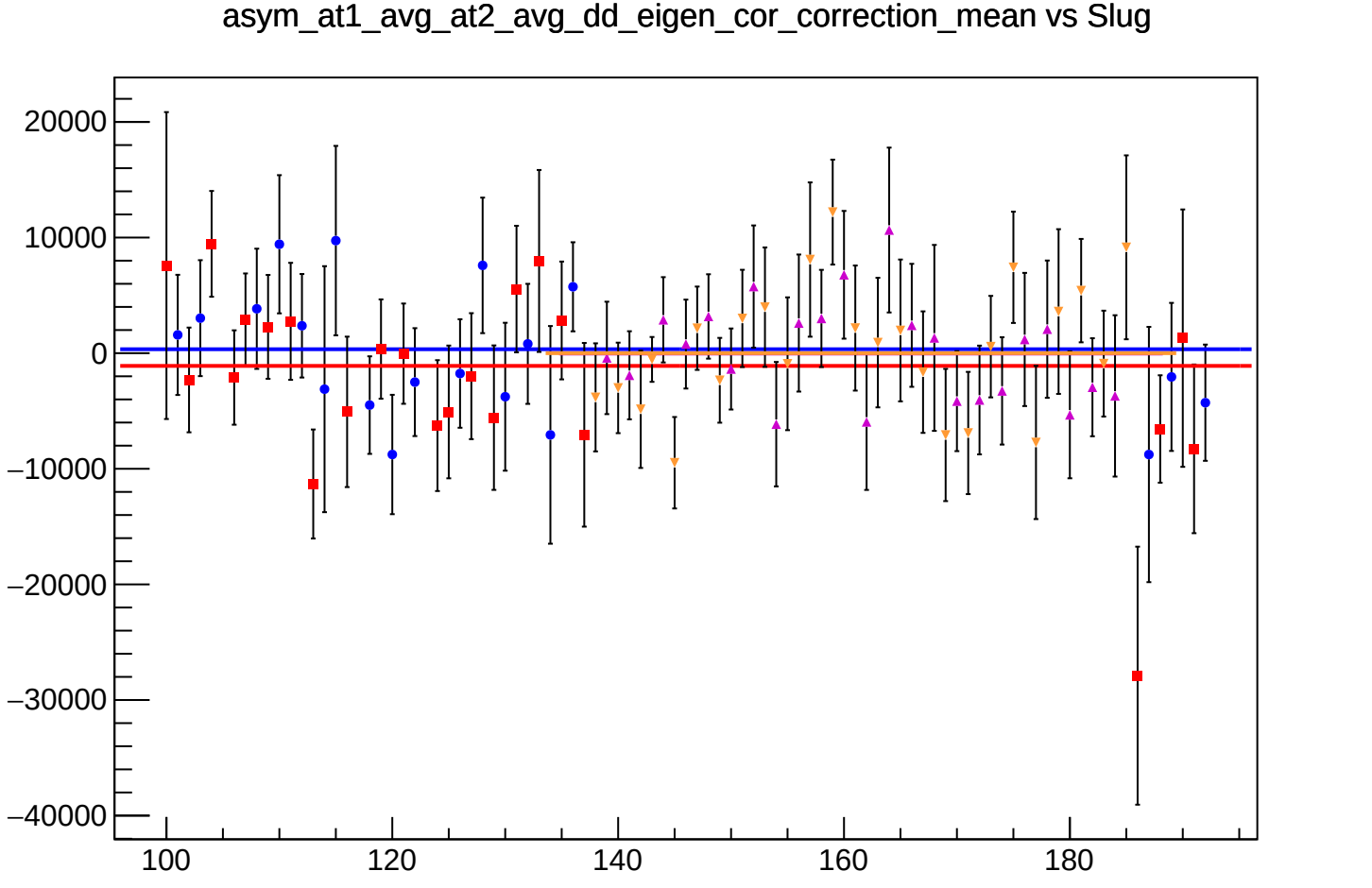
Right Out: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.091+/-0.121 χ^2/NDF: 1231660.1/89

- sign 1273.057+/-0.173 χ^2/NDF: 525513.0/45



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

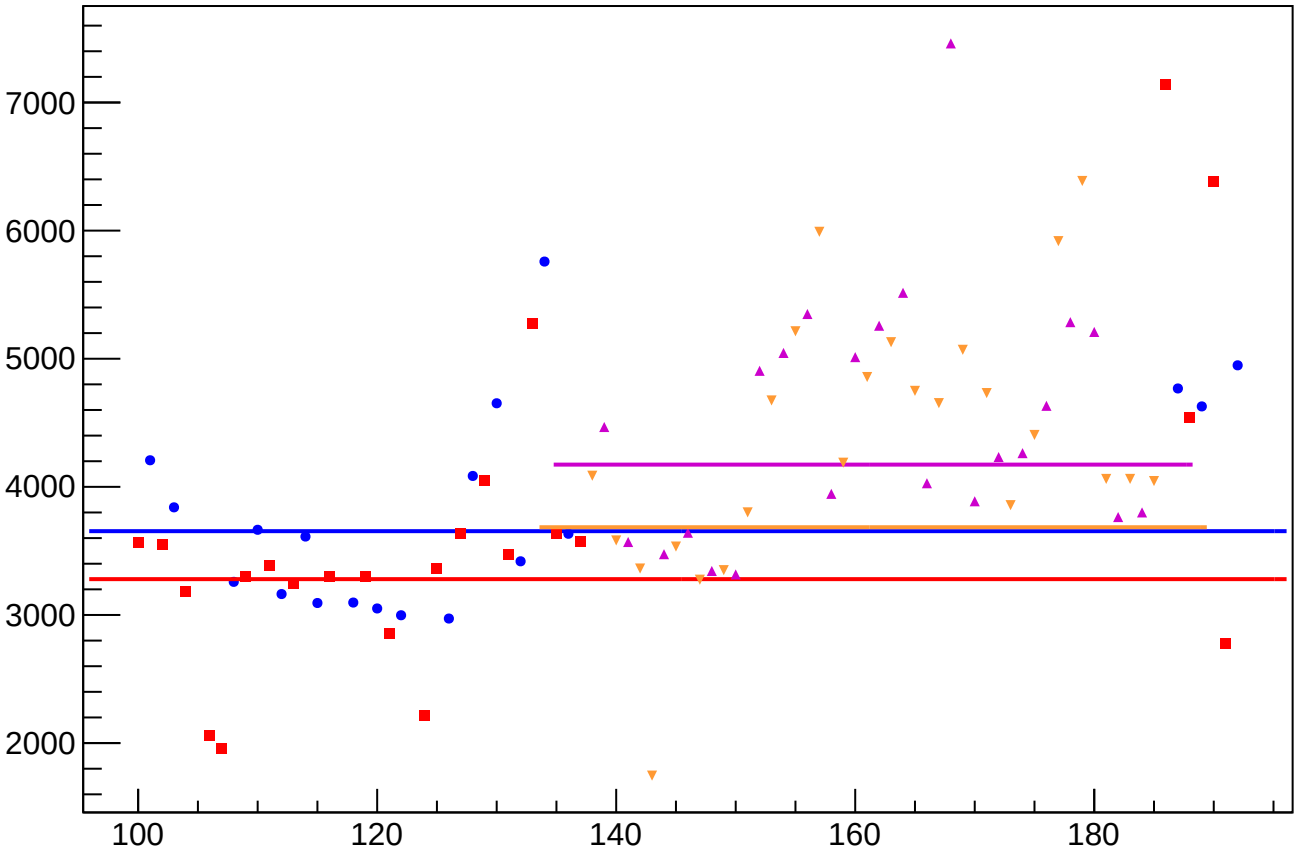
Right Out: -1100.868+/-1121.138 χ^2/NDF: 27.3/22

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 114.011+/-722.740 χ^2/NDF: 45.0/43

All: -185.369+/-518.520 χ^2/NDF: 87.2/89

- sign -502.905+/-744.334 χ^2/NDF: 41.8/45



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

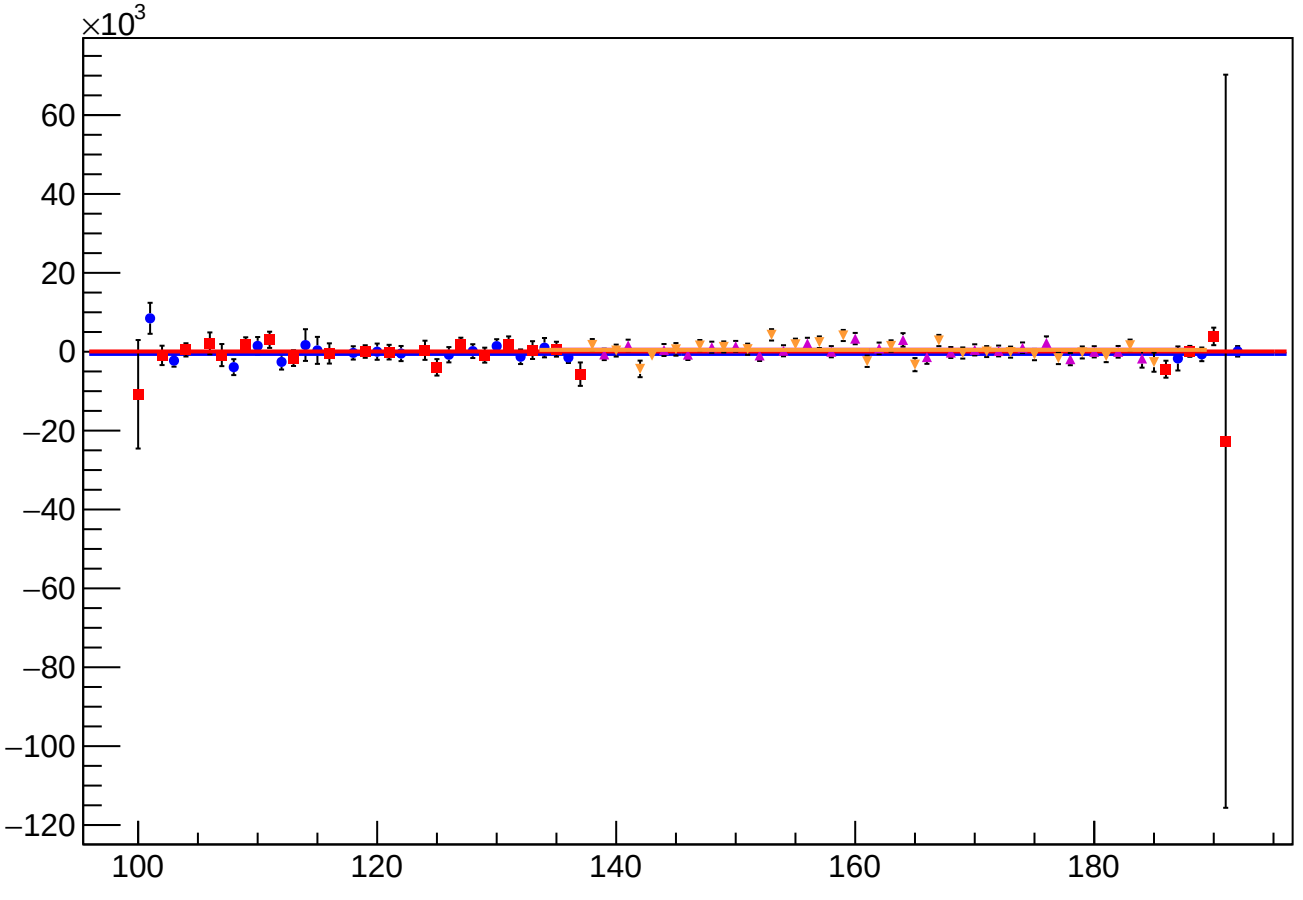
Right Out: 3279.674+/-0.793 χ^2/NDF: 1231847.1/22

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3725.474+/-0.367 χ^2/NDF: 7510107.6/89

- sign 3779.551+/-0.526 χ^2/NDF: 3217787.5/45



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

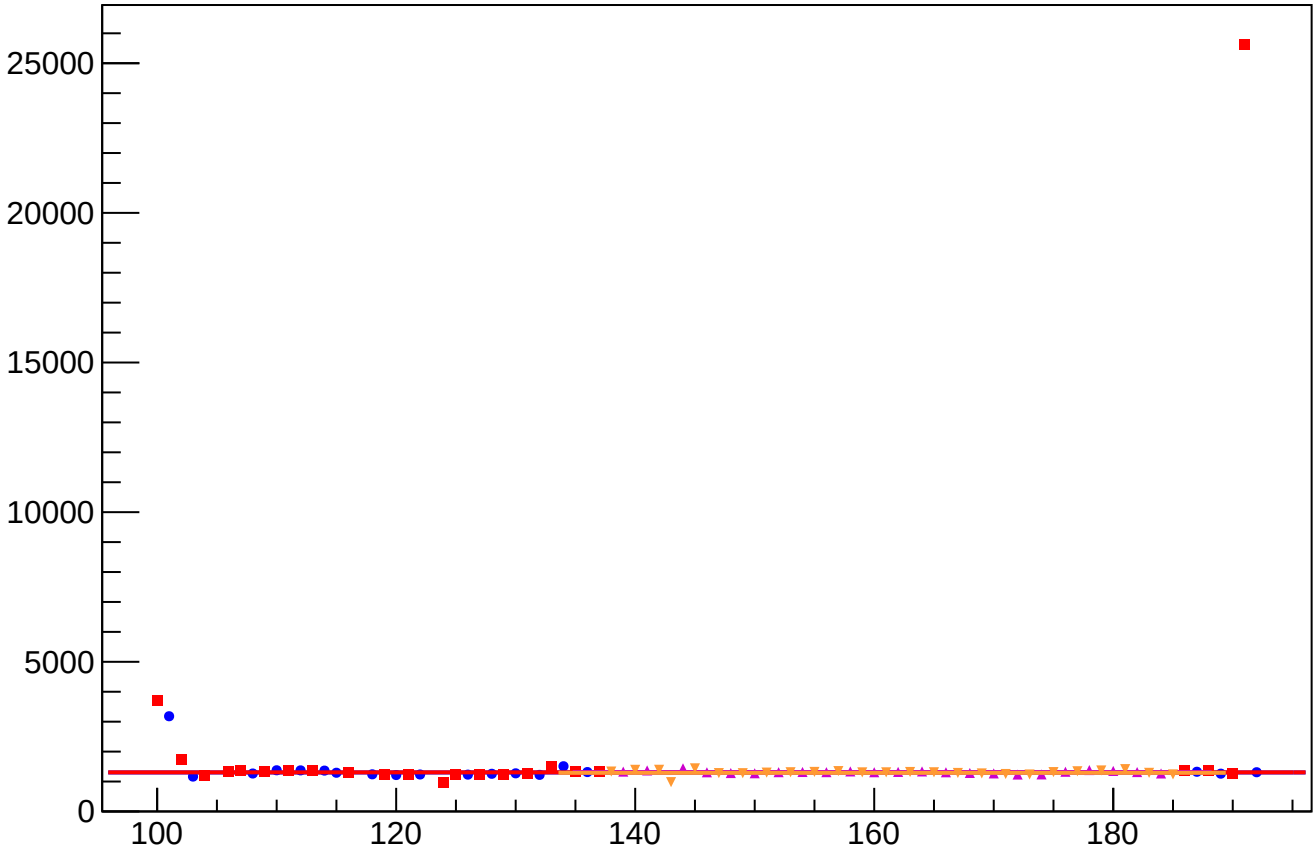
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign 154.290+/-245.075 χ^2/NDF: 62.3/43

All: 254.243+/-175.576 χ^2/NDF: 103.0/89

\- sign 359.640+/-251.659 χ^2/NDF: 40.3/45

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1302.569+/-0.313 χ^2/NDF: 511871.0/18

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

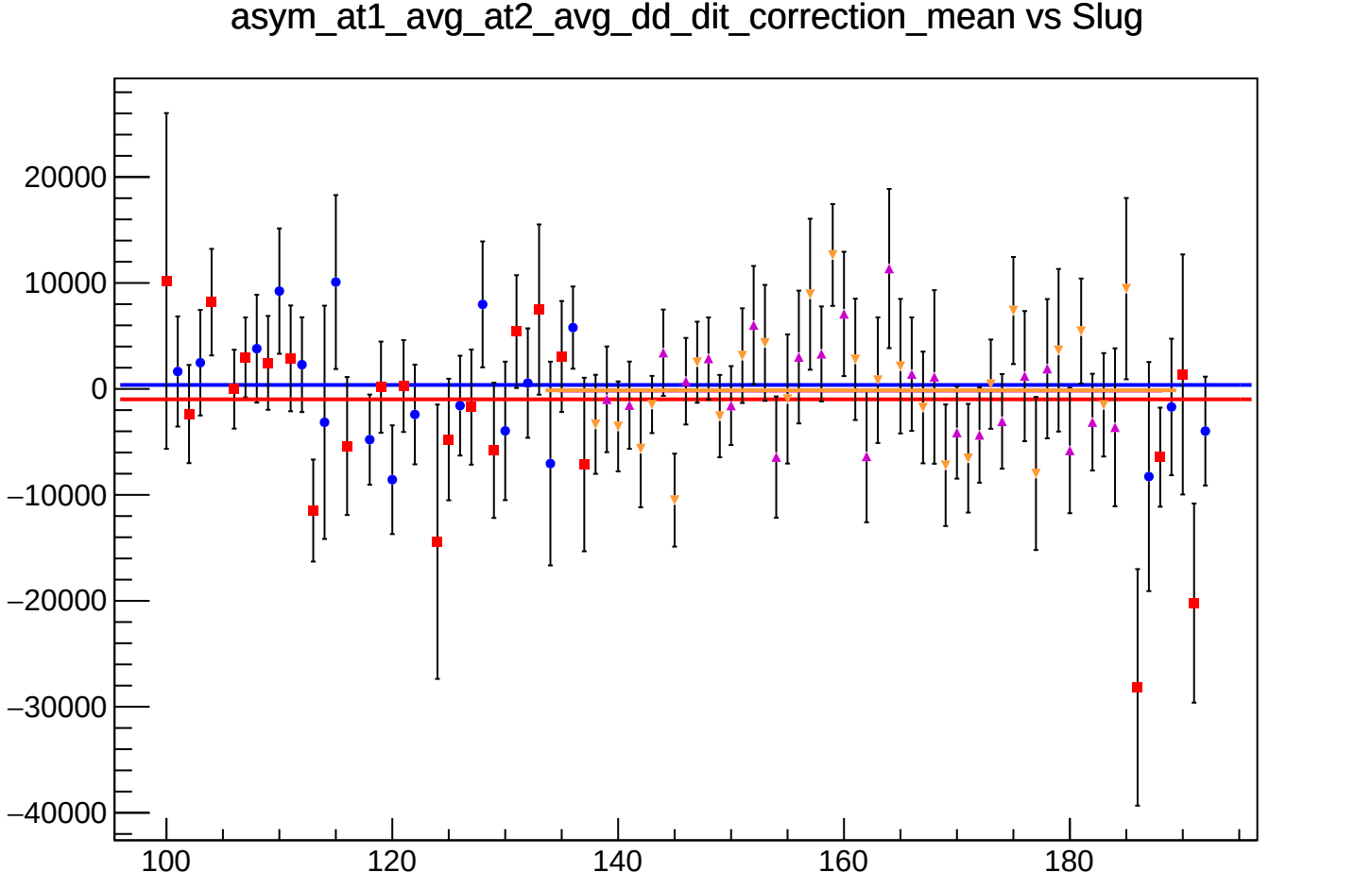
Right Out: 1306.774+/-0.310 χ^2/NDF: 359849.5/22

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.690+/-0.173 χ^2/NDF: 743518.9/43

All: 1302.937+/-0.124 χ^2/NDF: 1151429.6/89

- sign 1311.630+/-0.178 χ^2/NDF: 403258.6/45



Right In: 374.648+/-1251.845 χ^2/NDF: 15.7/18

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

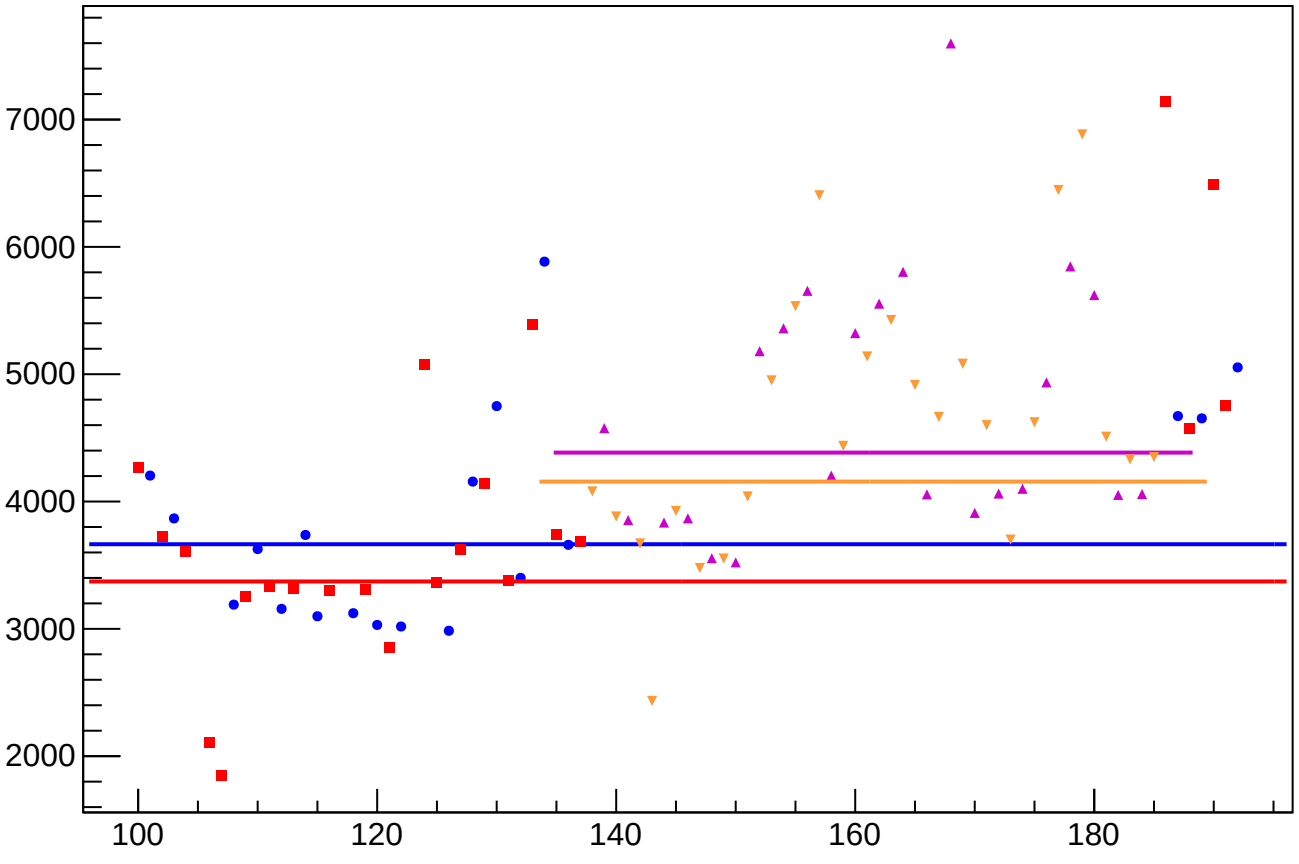
Right Out: -981.731+/-1141.605 χ^2/NDF: 29.0/22

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 62.777+/-770.312 χ^2/NDF: 44.4/43

All: -235.602+/-544.945 χ^2/NDF: 87.8/89

- sign -534.533+/-771.025 χ^2/NDF: 43.1/45



Right In: 3664.685+/-0.885 χ^2/NDF: 611305.2/18

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

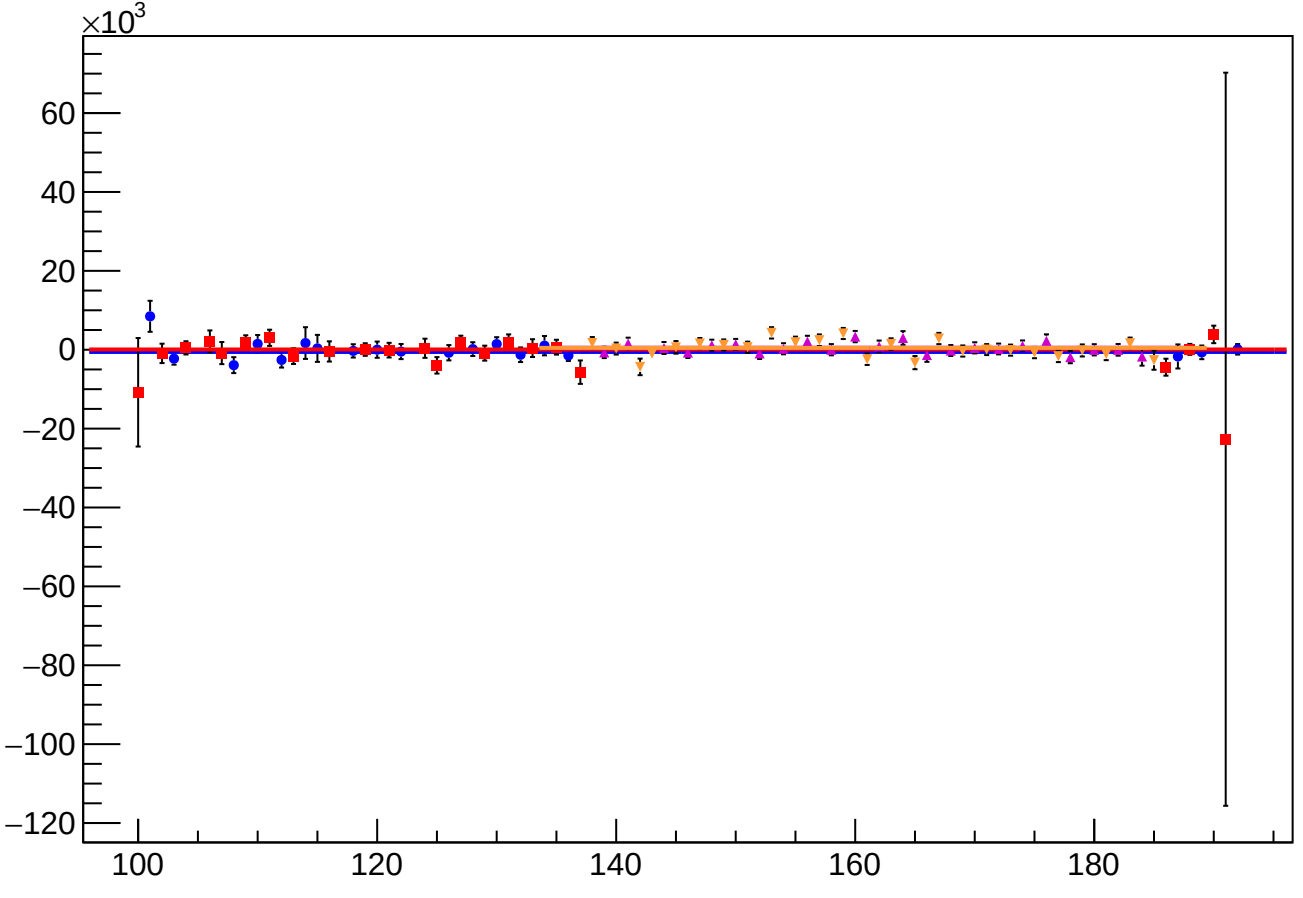
Right Out: 3372.159+/-0.807 χ^2/NDF: 1371232.1/22

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3970.327+/-0.545 χ^2/NDF: 2883945.7/43

All: 3946.499+/-0.385 χ^2/NDF: 6369509.3/89

- sign 3922.626+/-0.545 χ^2/NDF: 3481732.6/45



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

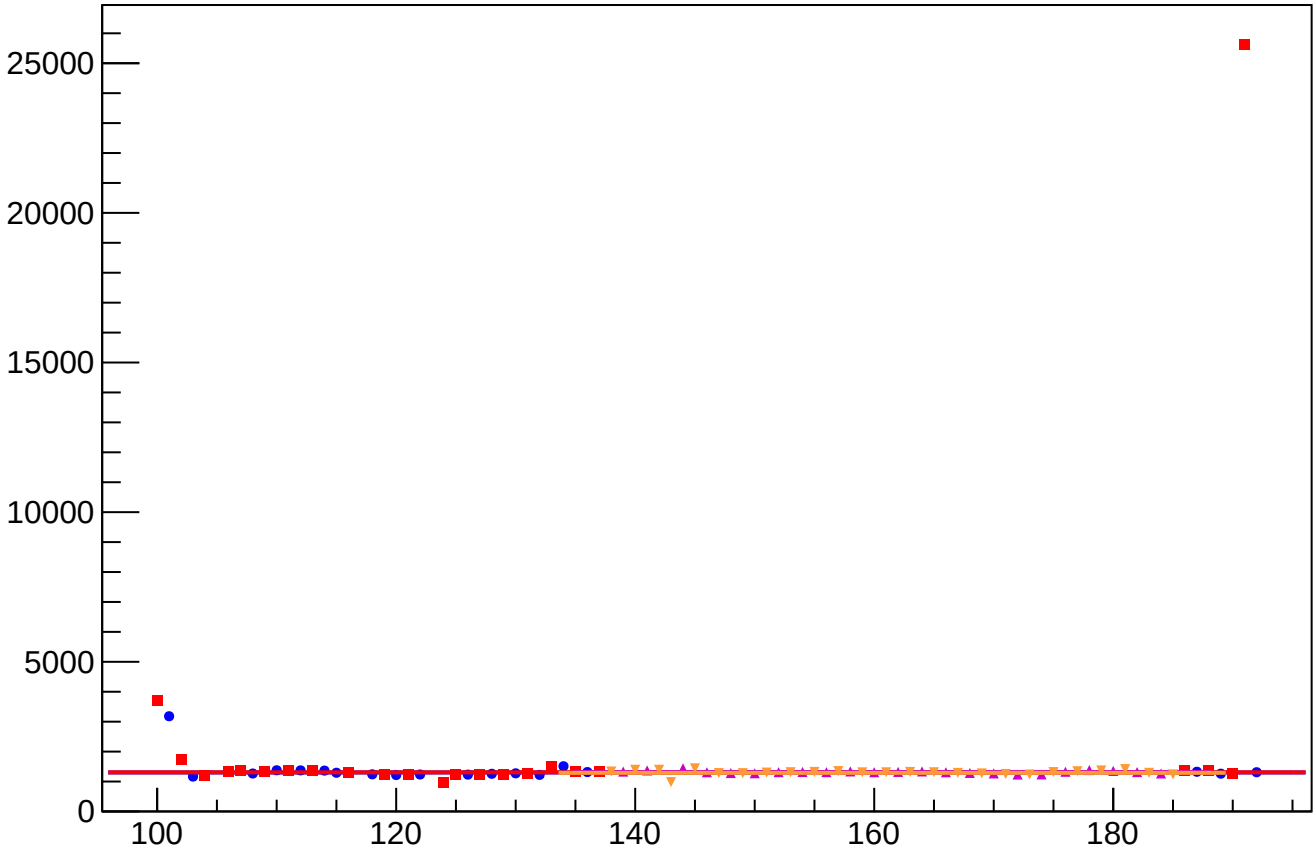
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 154.291+/-245.075 χ^2/NDF: 62.3/43

All: 254.245+/-175.576 χ^2/NDF: 103.0/89

- sign 359.641+/-251.659 χ^2/NDF: 40.3/45

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1302.568+/-0.313 χ^2/NDF: 511871.1/18

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

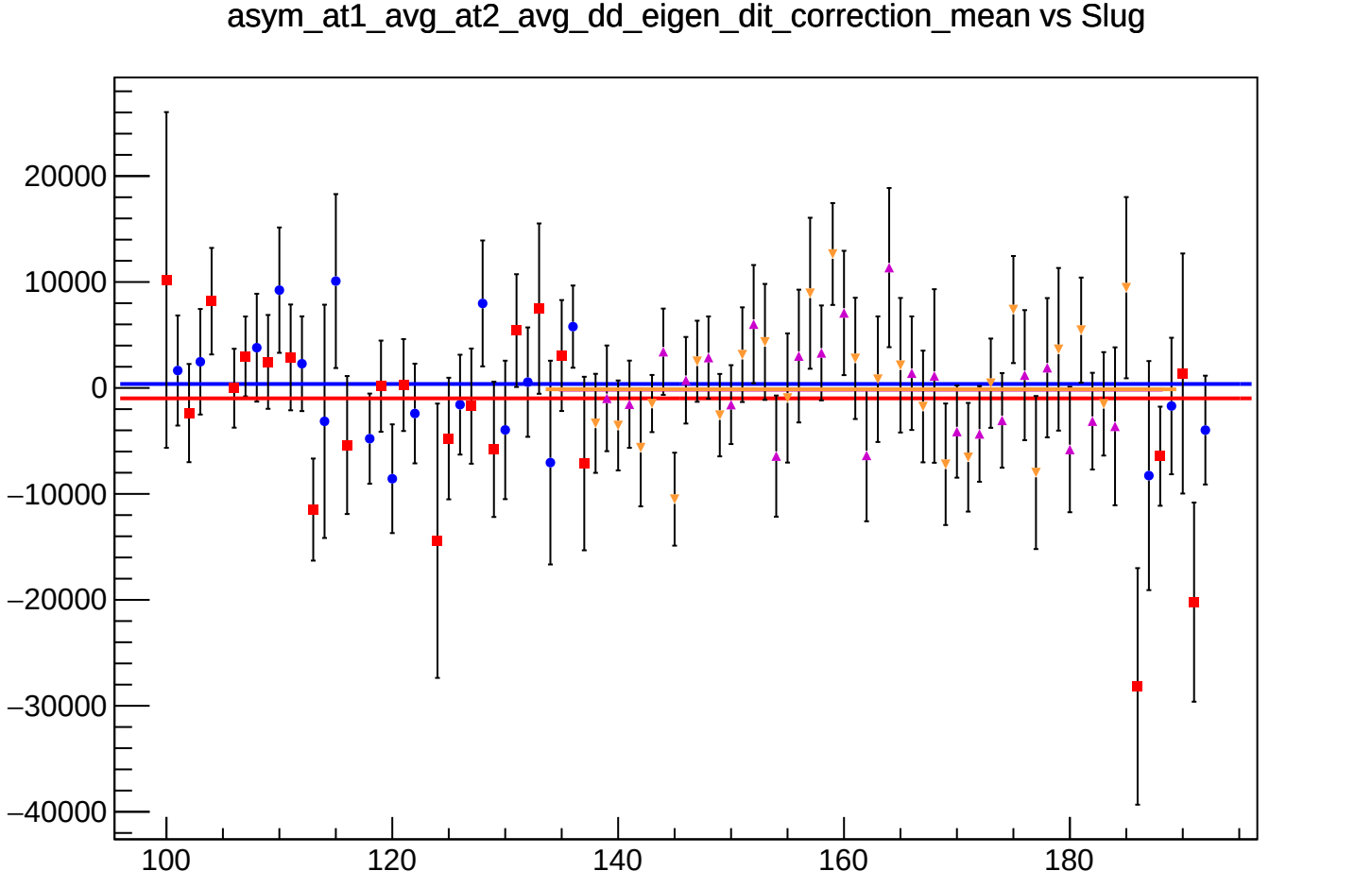
Right Out: 1306.774+/-0.310 χ^2/NDF: 359849.6/22

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.691+/-0.173 χ^2/NDF: 743521.3/43

All: 1302.938+/-0.124 χ^2/NDF: 1151434.4/89

- sign 1311.631+/-0.178 χ^2/NDF: 403261.0/45



Right In: 374.640+/-1251.843 χ^2/NDF: 15.7/18

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

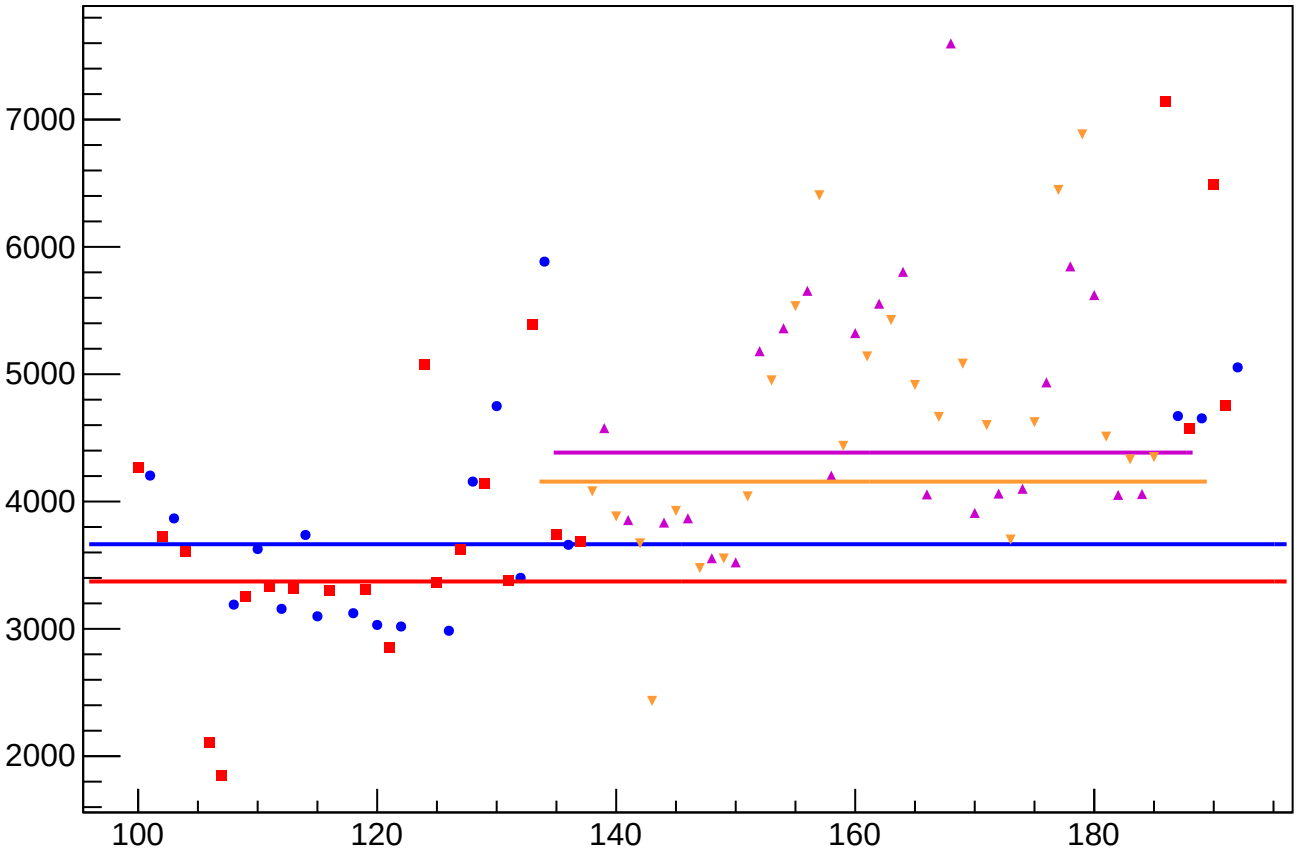
Right Out: -981.723+/-1141.603 χ^2/NDF: 29.0/22

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 62.776+/-770.313 χ^2/NDF: 44.4/43

All: -235.601+/-544.945 χ^2/NDF: 87.8/89

- sign -534.531+/-771.025 χ^2/NDF: 43.1/45



Right In: 3664.676+/-0.885 χ^2/NDF: 611314.1/18

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

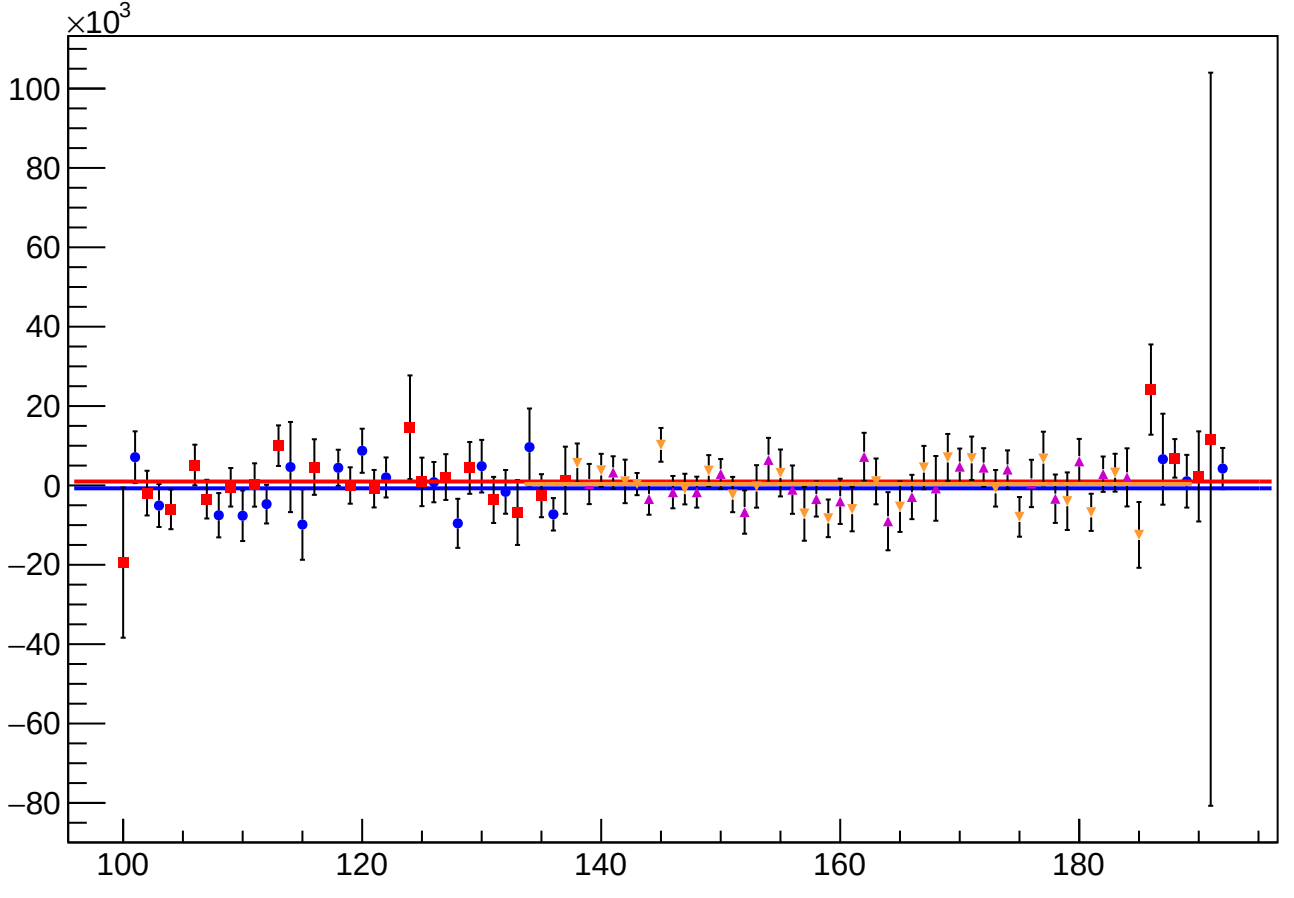
Right Out: 3372.151+/-0.807 χ^2/NDF: 1371238.4/22

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3970.327+/-0.545 χ^2/NDF: 2883969.3/43

All: 3946.498+/-0.385 χ^2/NDF: 6369568.5/89

- sign 3922.625+/-0.545 χ^2/NDF: 3481767.9/45



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

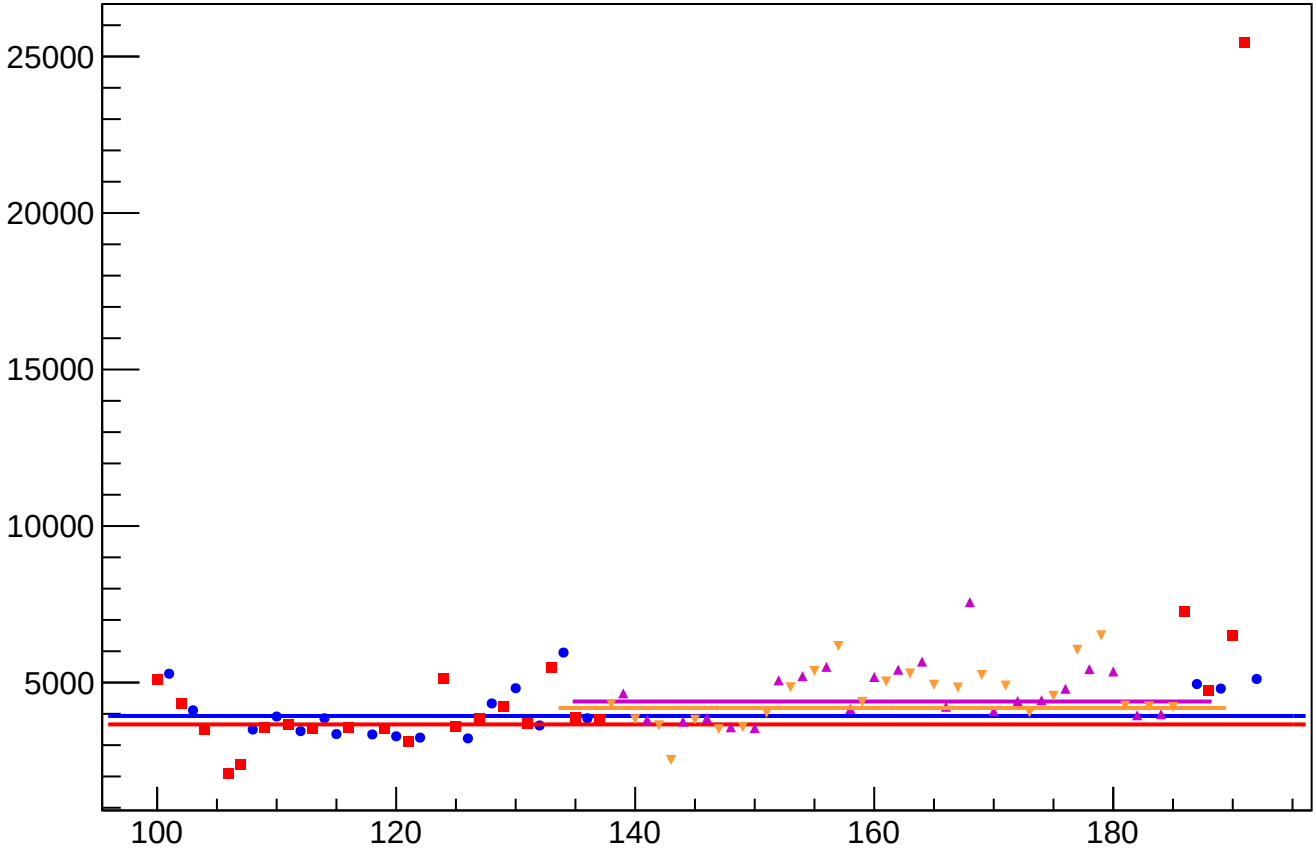
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -18.523+/-791.369 χ^2/NDF: 47.2/43

All: 330.237+/-565.122 χ^2/NDF: 79.2/89

- sign 693.159+/-807.275 χ^2/NDF: 31.6/45

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3932.103+/-0.949 χ^2/NDF: 558009.3/18

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

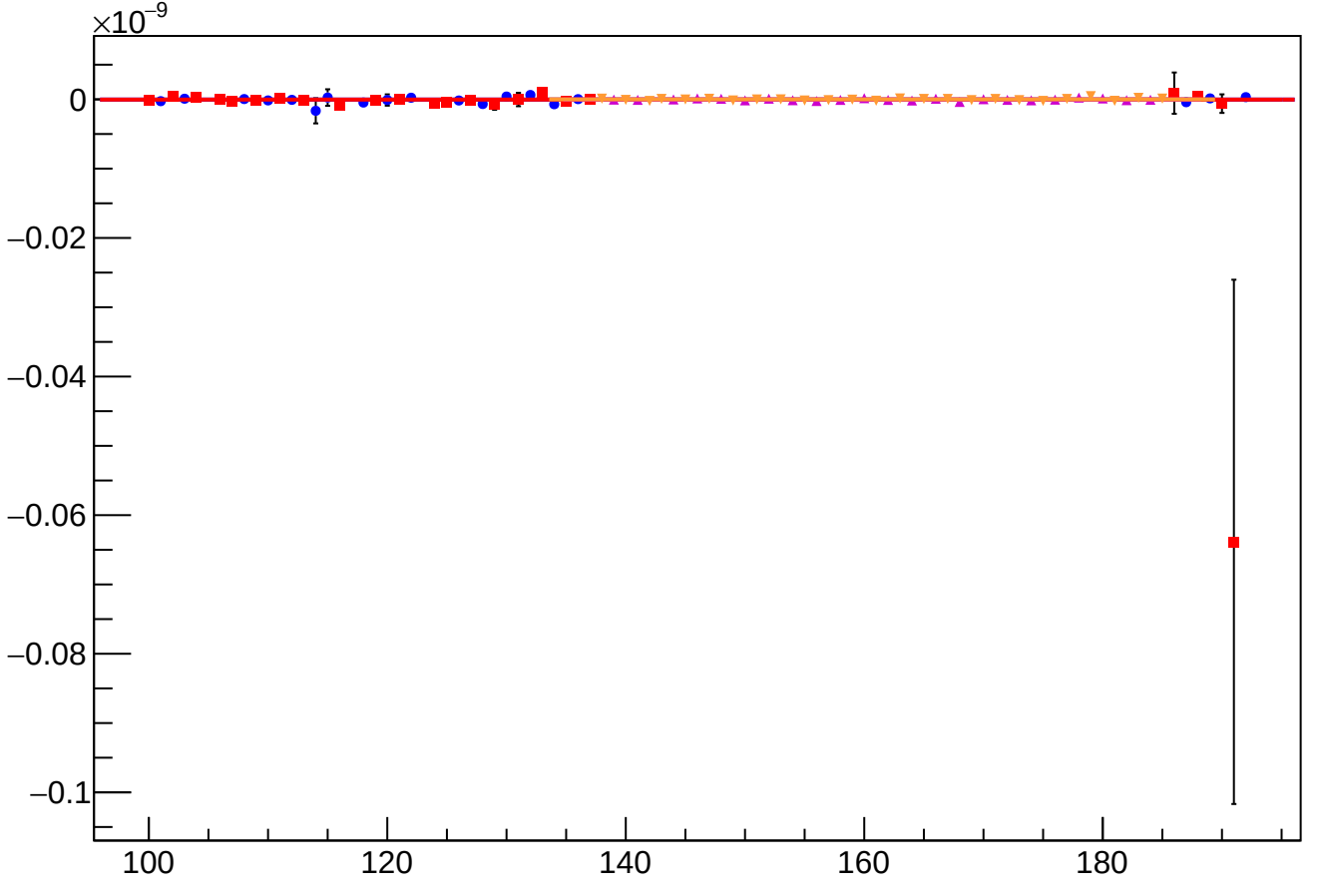
Right Out: 3662.212+/-0.888 χ^2/NDF: 1163470.1/22

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4098.918+/-0.560 χ^2/NDF: 2401731.2/43

All: 4096.971+/-0.399 χ^2/NDF: 5055236.8/89

- sign 4094.965+/-0.568 χ^2/NDF: 2653481.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

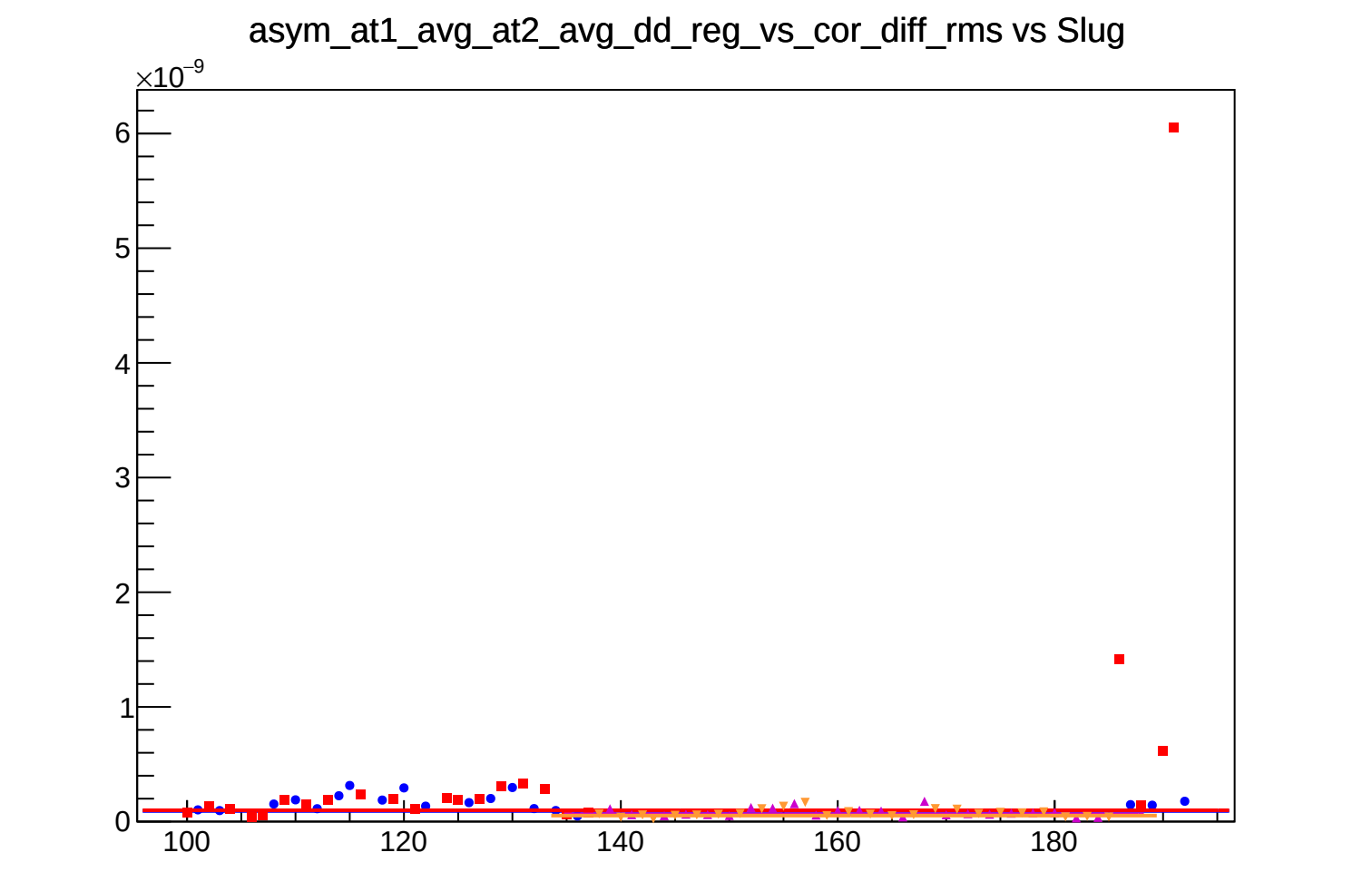
Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/22

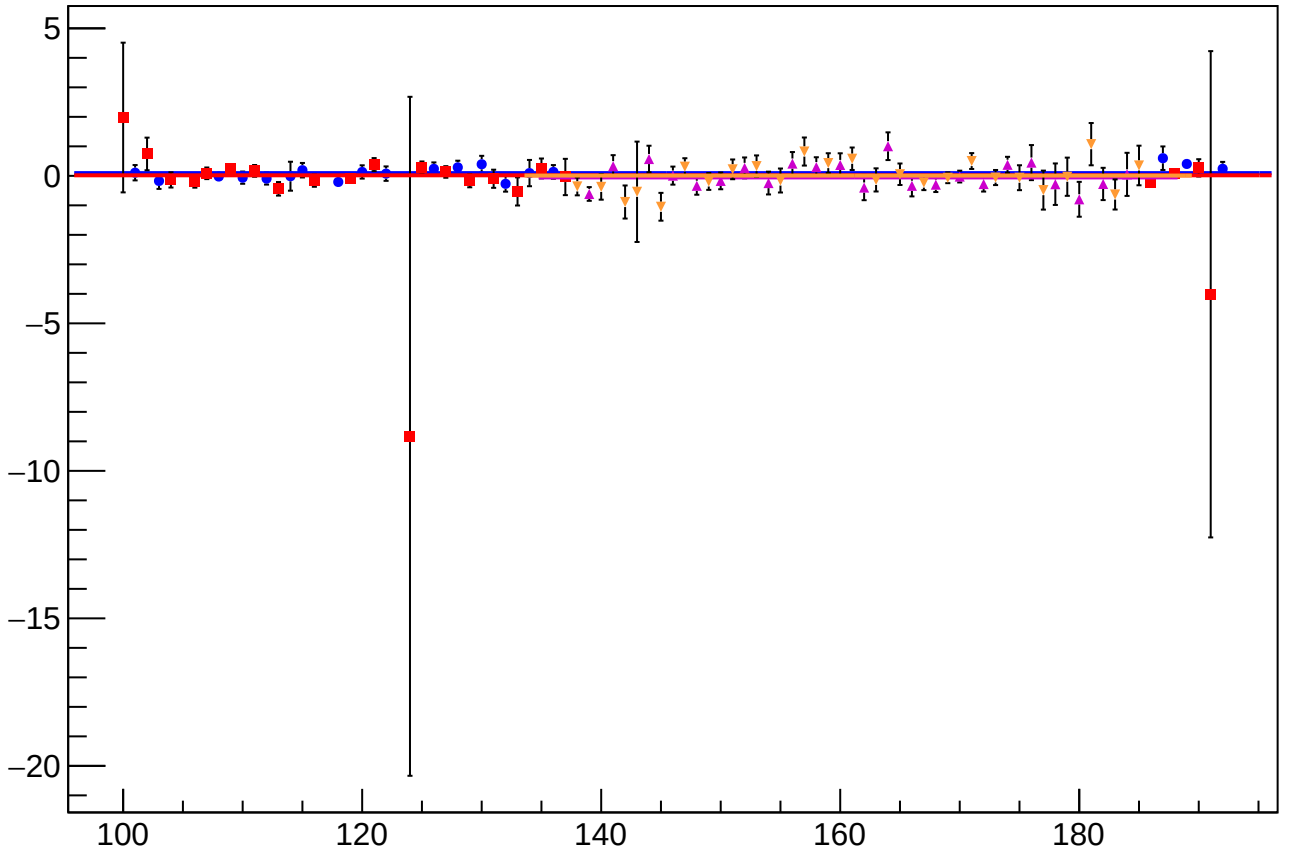
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.8/43

All: -0.000+/-0.000 χ^2/NDF: 87.4/89

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


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug
×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
+ sign 0.000+/-0.000 χ²/NDF: 5077576.1/43
All: 0.000+/-0.000 χ²/NDF: 10192130.5/89
- sign 0.000+/-0.000 χ²/NDF: 4875468.1/45



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

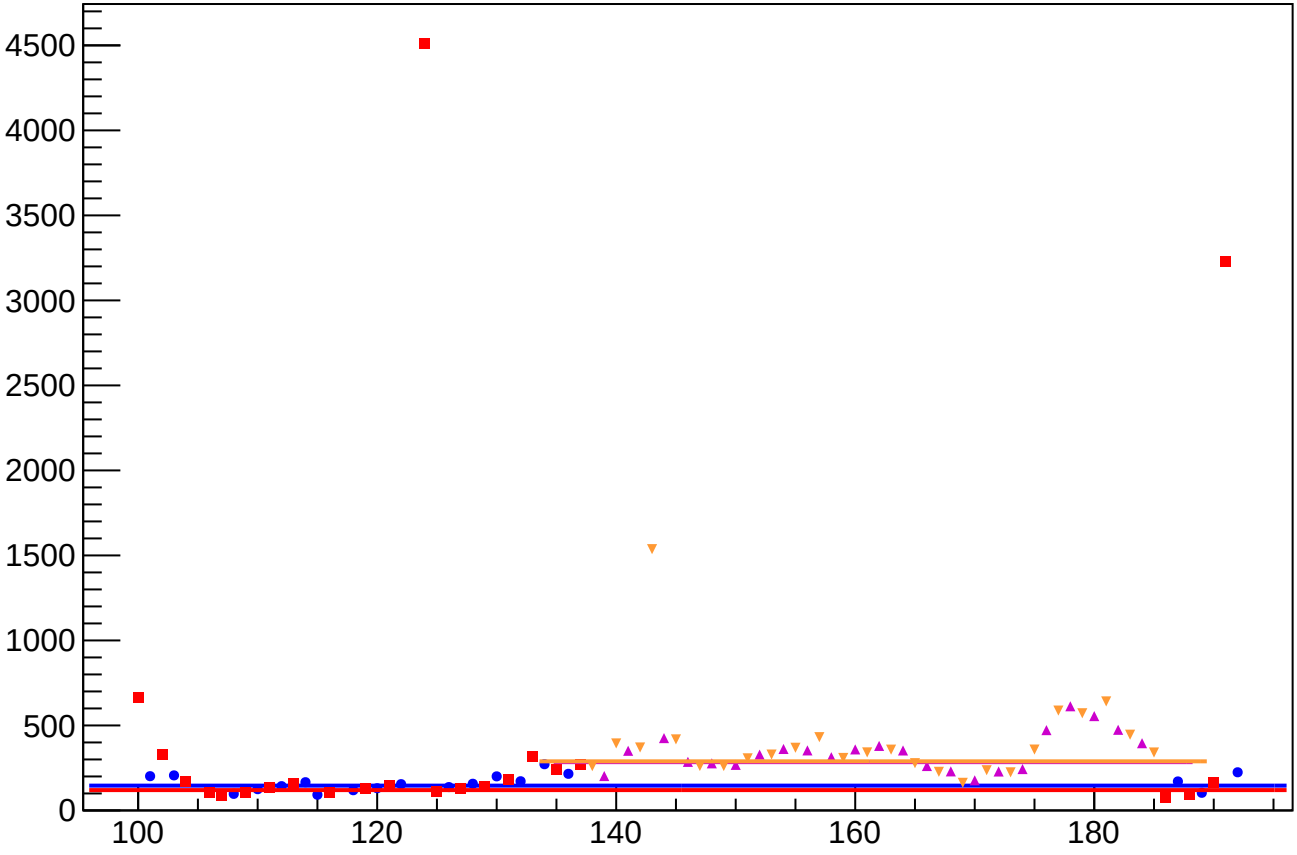
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.027+/-0.028 χ^2/NDF: 102.3/89

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



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

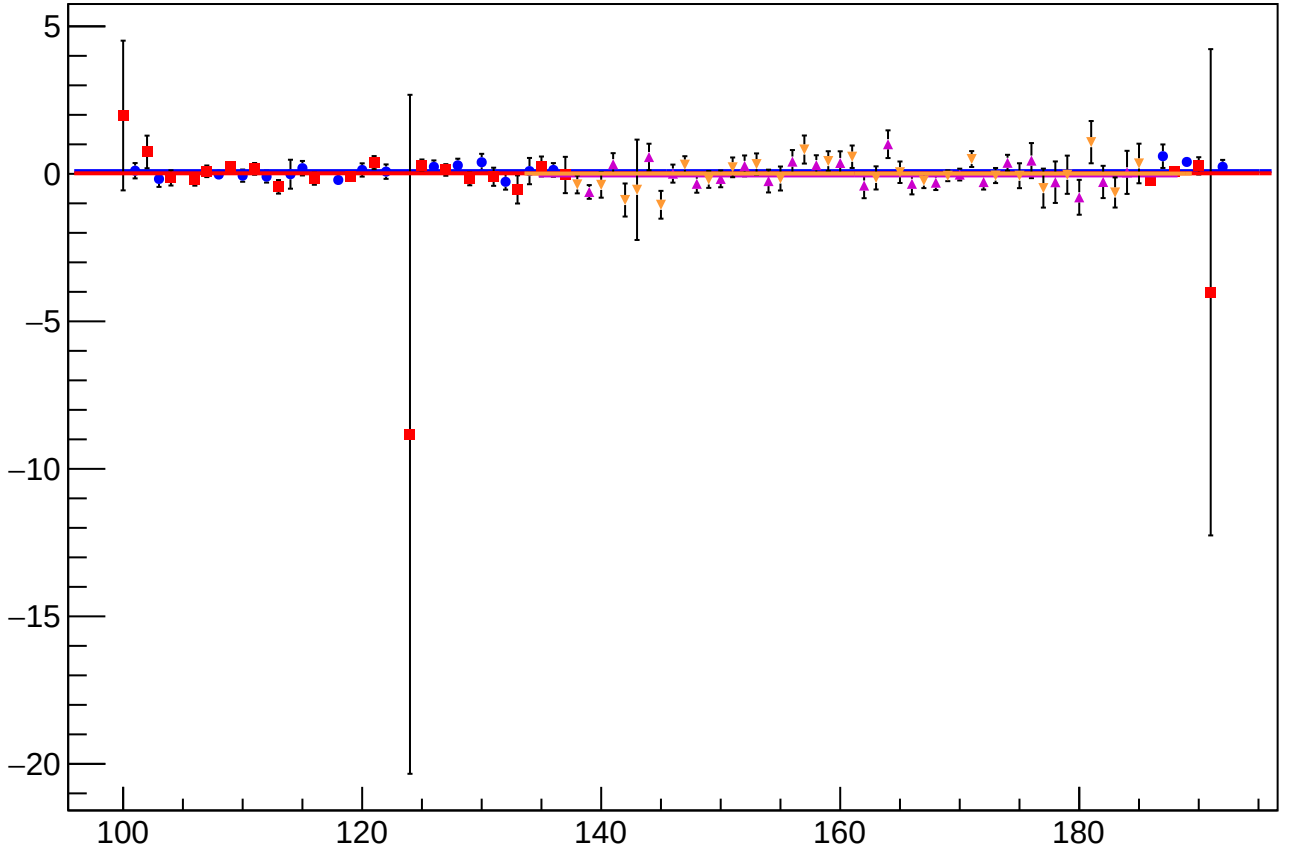
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.023+/-0.030 χ^2/NDF: 11298805.5/43

All: 179.540+/-0.020 χ^2/NDF: 25225278.3/89

- sign 166.400+/-0.027 χ^2/NDF: 13373141.5/45

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

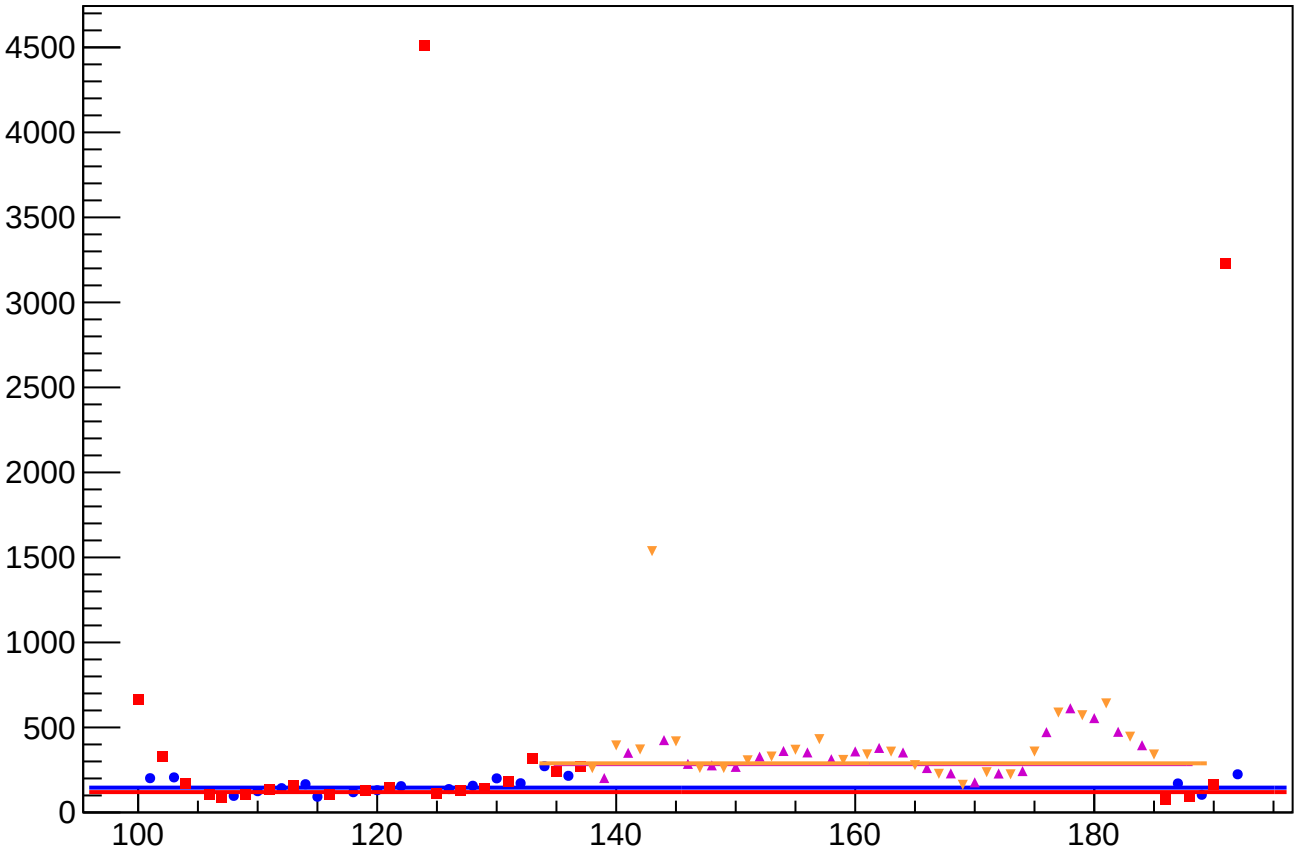
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.027+/-0.028 χ^2/NDF: 102.3/89

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45



Right In: 146.020+/-0.037 χ^2/NDF: 1386367.2/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

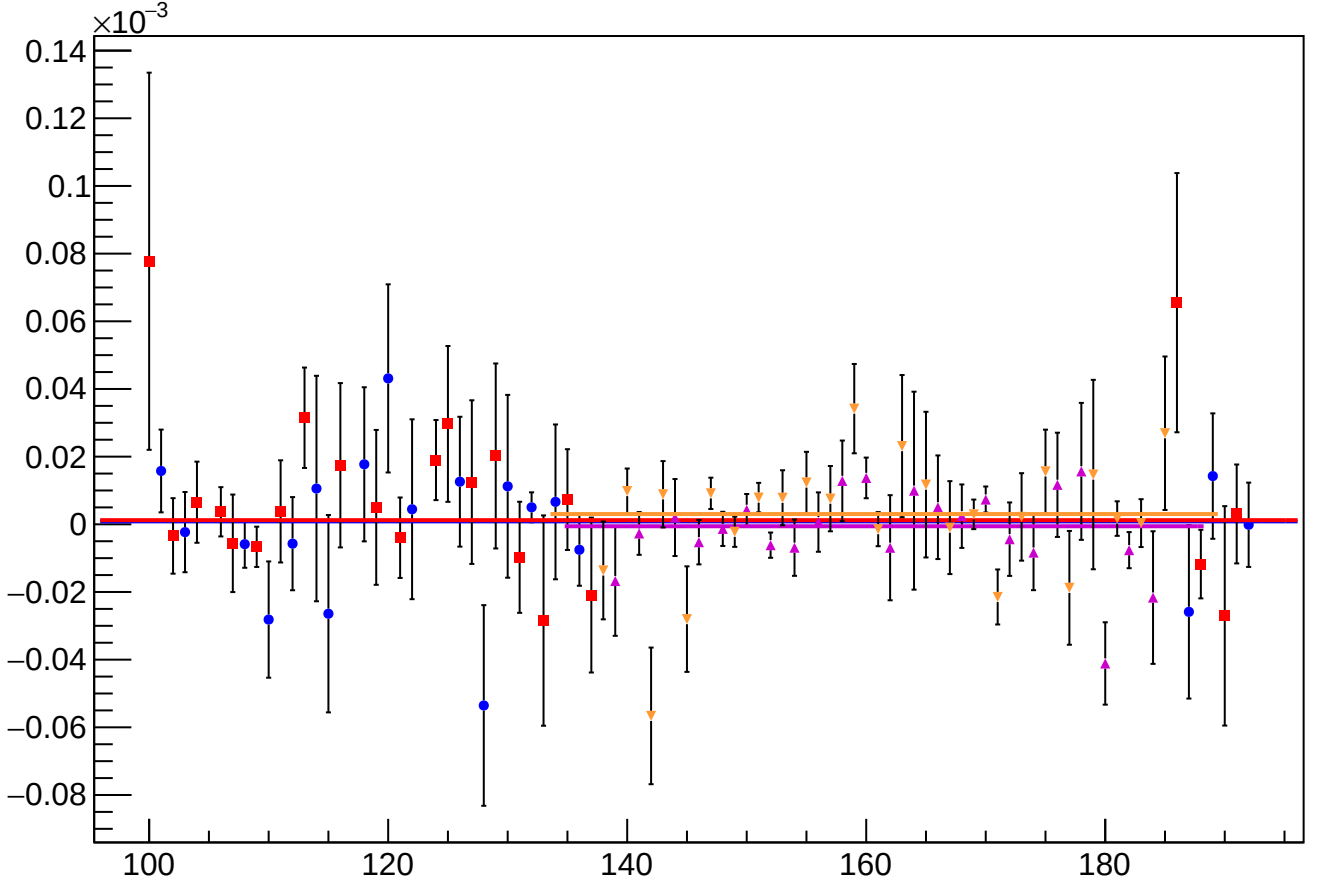
Right Out: 119.726+/-0.031 χ^2/NDF: 2481719.2/22

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.023+/-0.030 χ^2/NDF: 11298805.5/43

All: 179.540+/-0.020 χ^2/NDF: 25225278.3/89

- sign 166.400+/-0.027 χ^2/NDF: 13373141.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

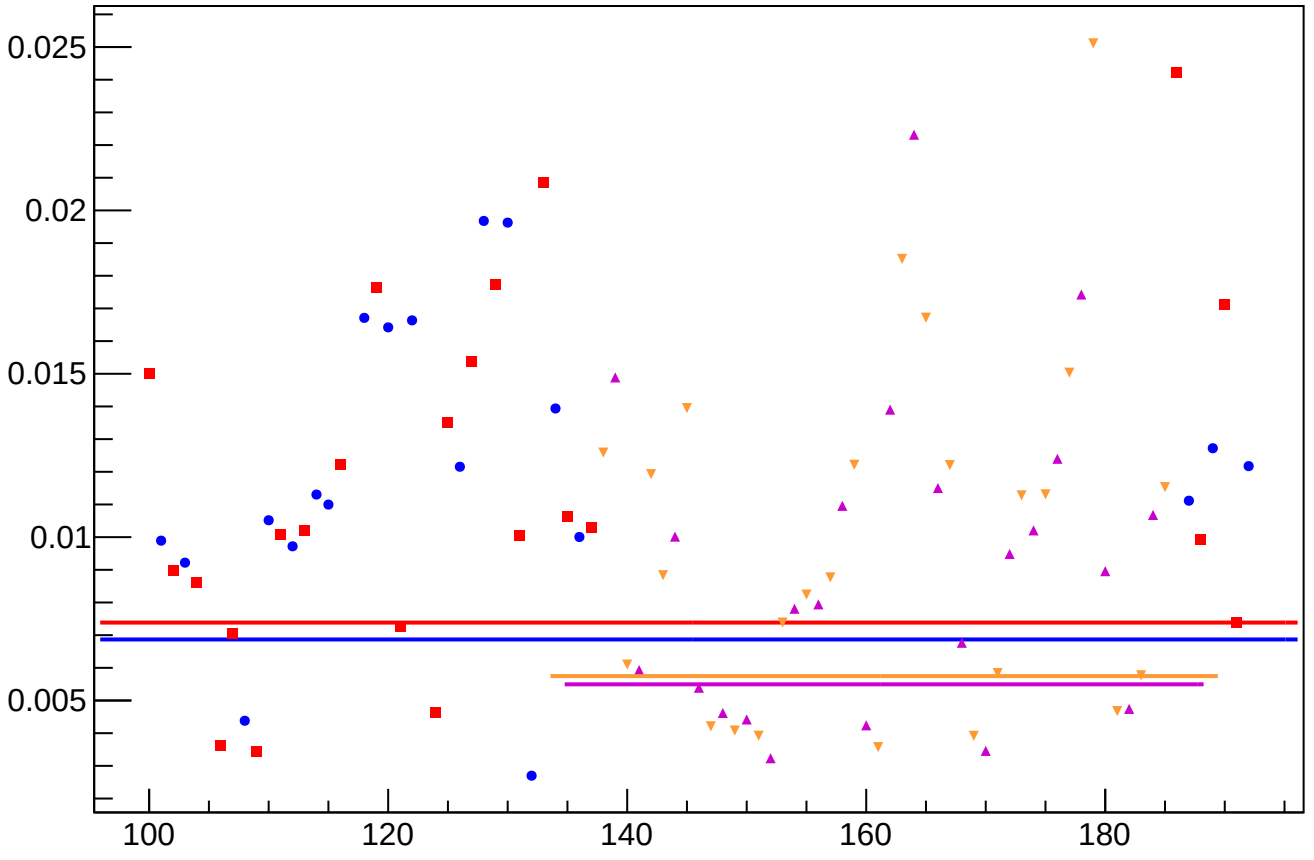
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/22

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.2/43

All: 0.000+/-0.000 χ^2/NDF: 116.1/89

- sign -0.000+/-0.000 χ^2/NDF: 54.9/45



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

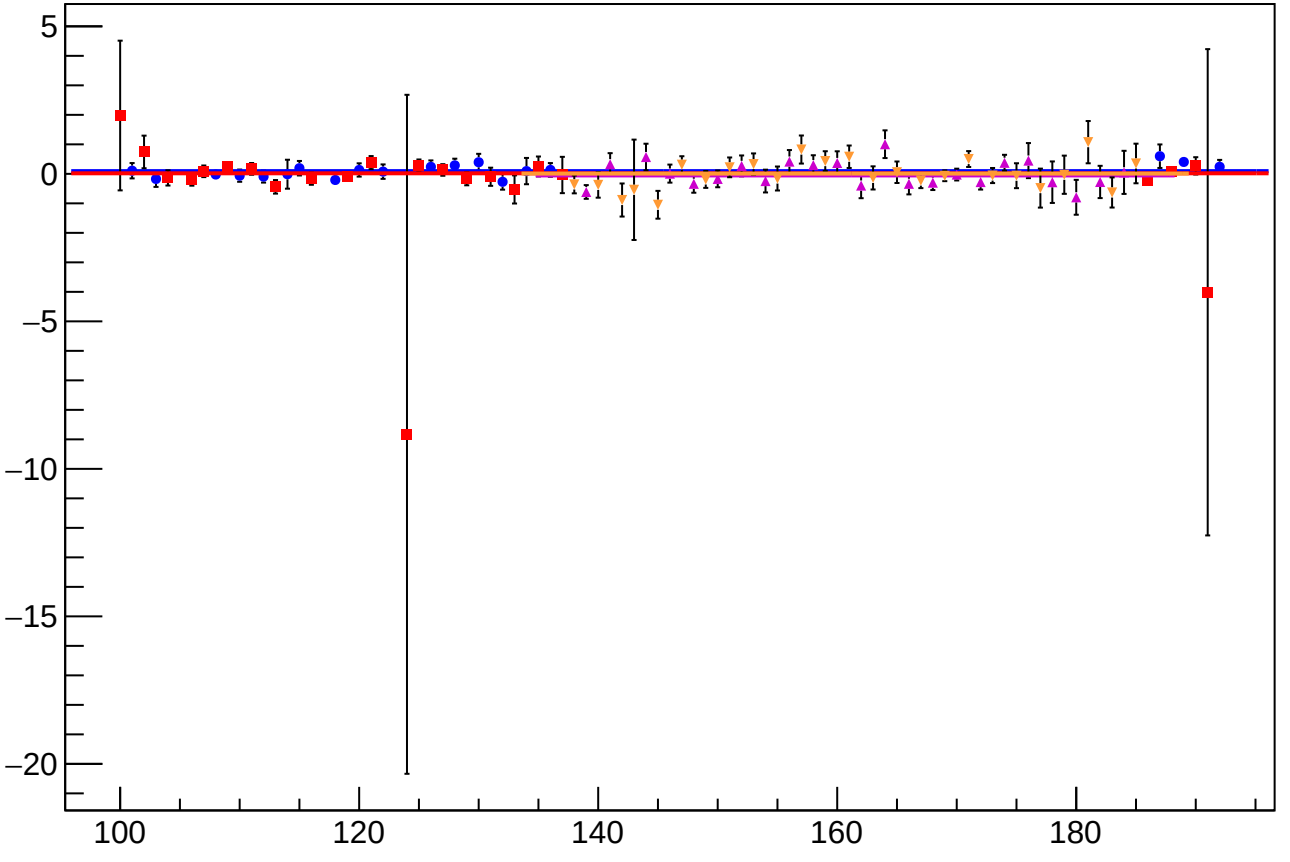
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 13689818.3/43

All: 0.006+/-0.000 χ^2/NDF: 25469920.2/89

\- sign 0.006+/-0.000 χ^2/NDF: 11776283.1/45

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

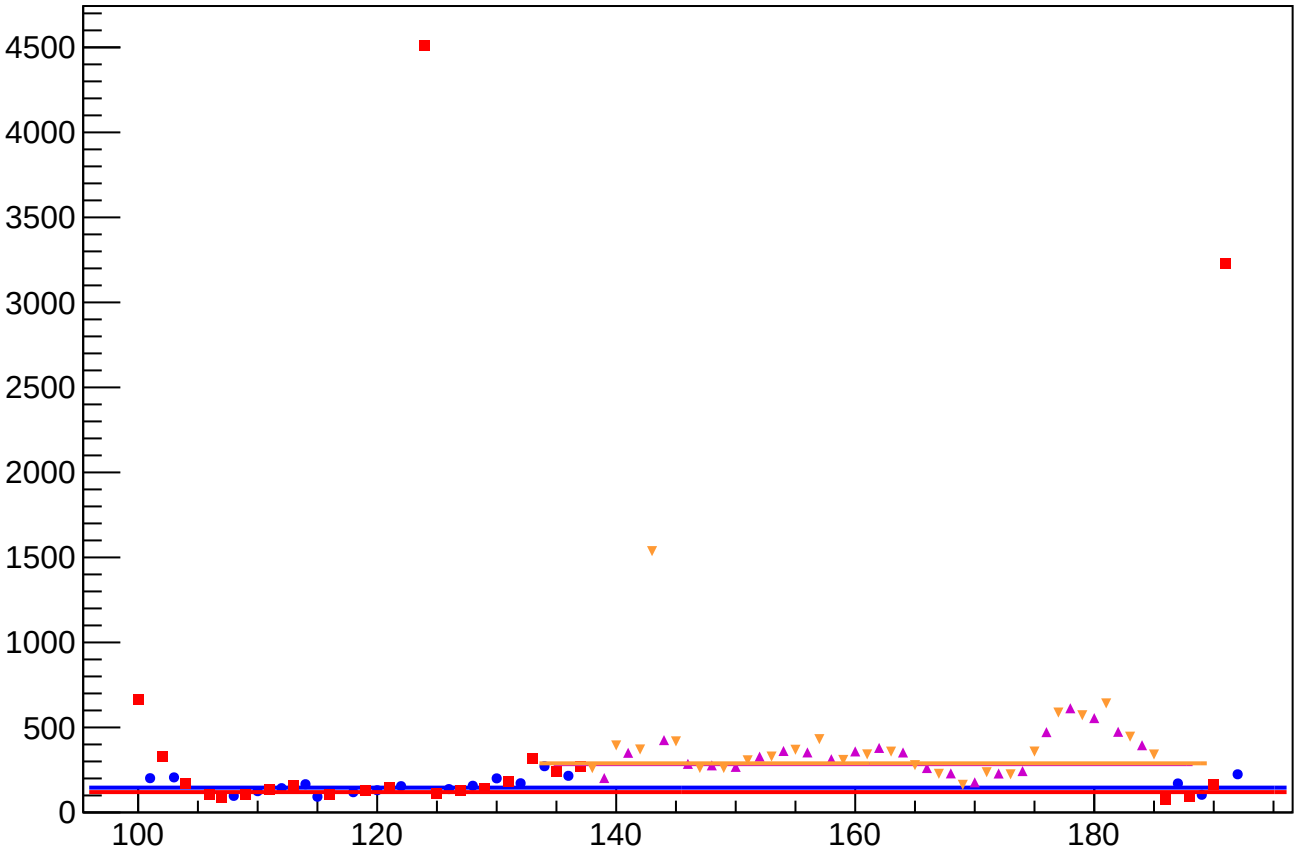
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.027+/-0.028 χ^2/NDF: 102.3/89

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45



Right In: 146.020+/-0.037 χ^2/NDF: 1386330.7/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

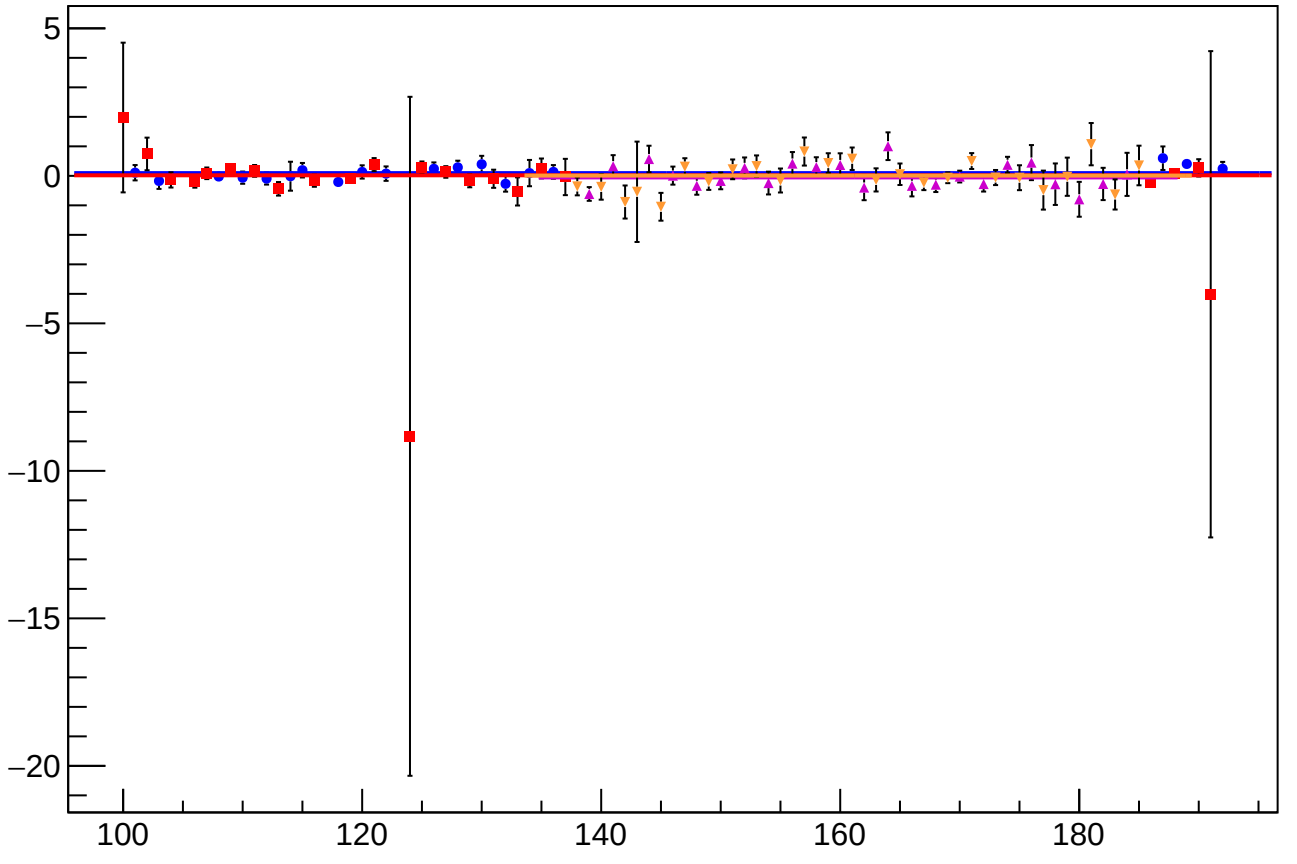
Right Out: 119.727+/-0.031 χ^2/NDF: 2481570.6/22

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.022+/-0.030 χ^2/NDF: 11299012.6/43

All: 179.541+/-0.020 χ^2/NDF: 25225204.0/89

- sign 166.402+/-0.027 χ^2/NDF: 13372962.0/45



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

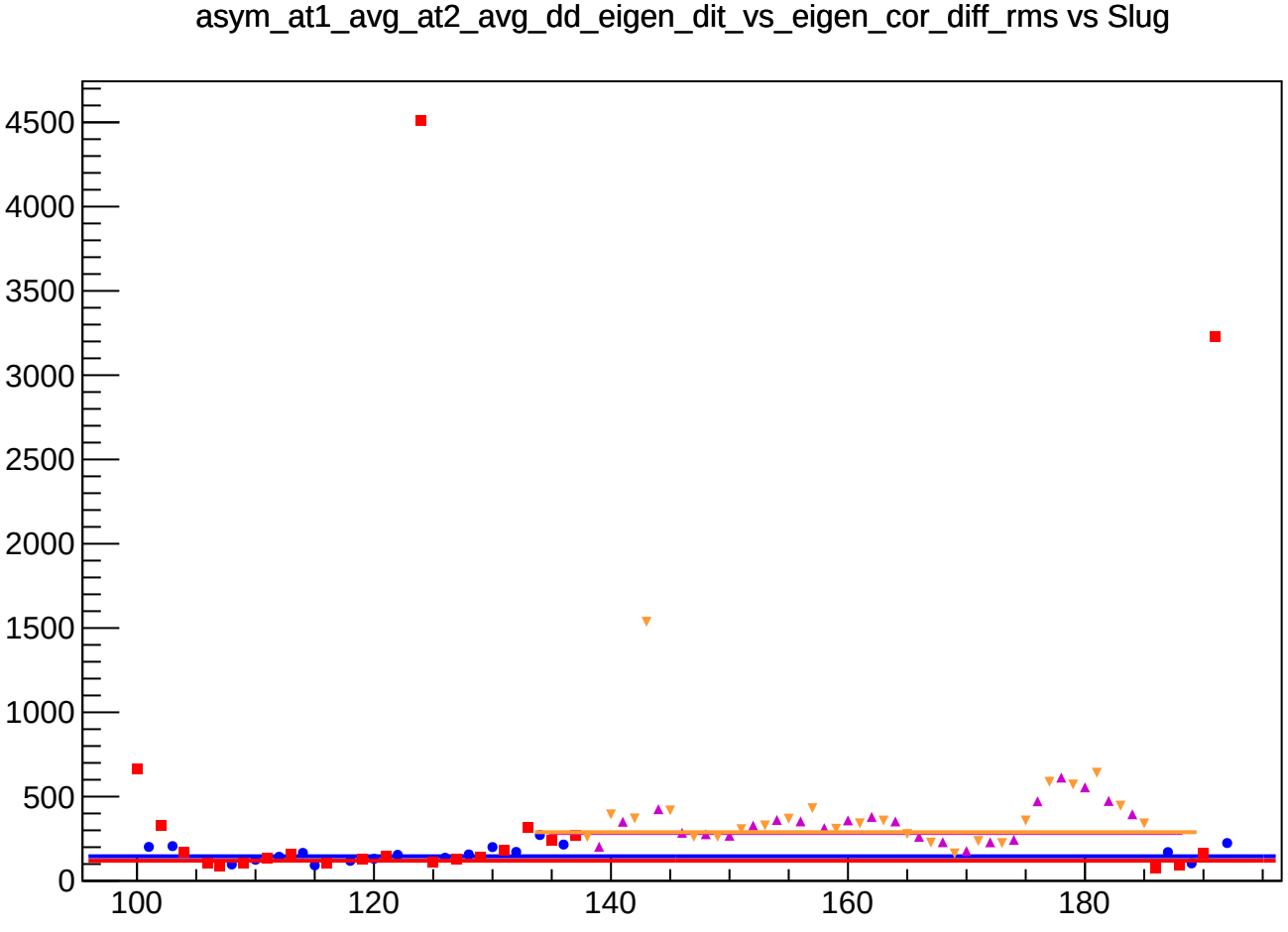
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

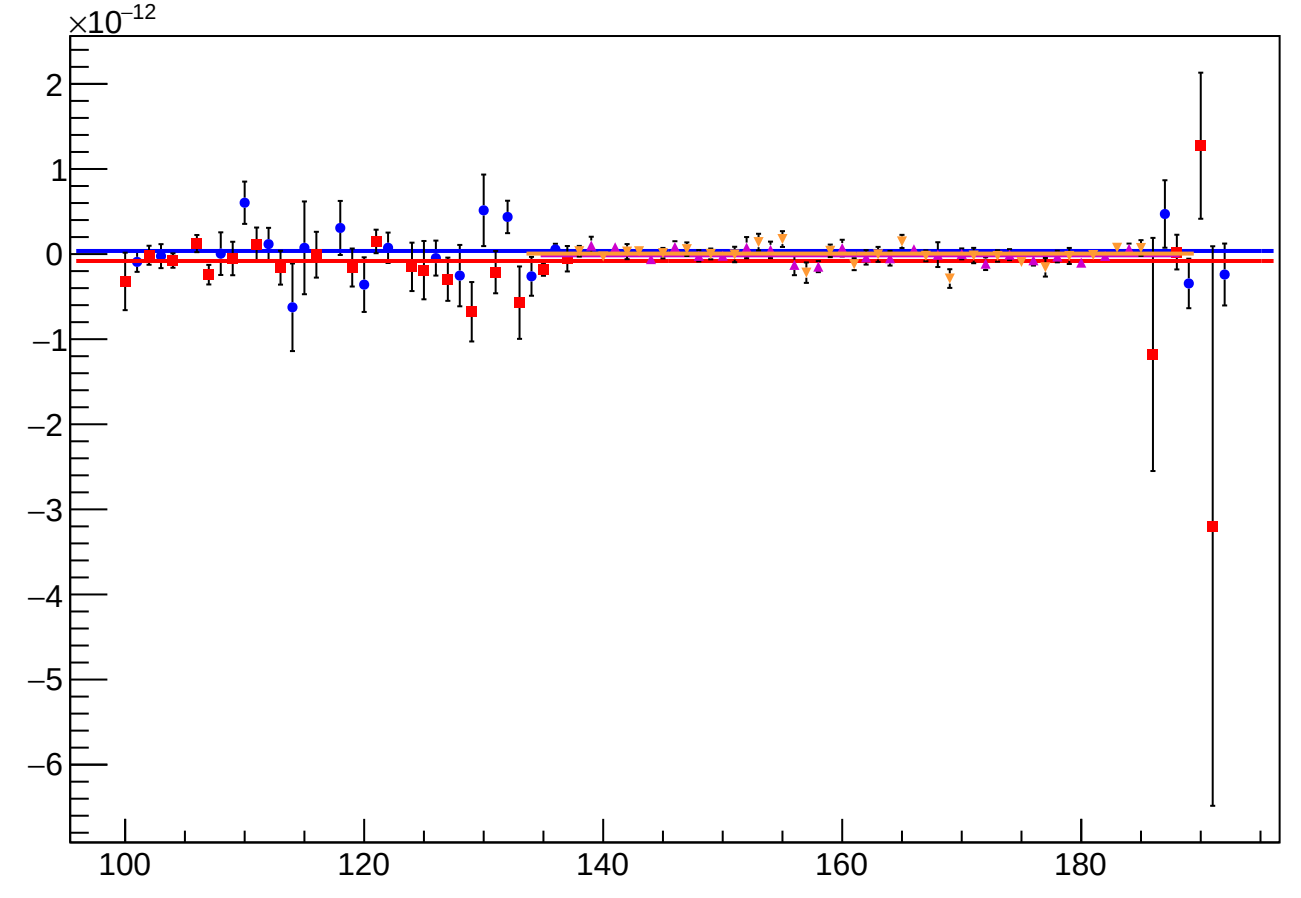
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.027+/-0.028 χ^2/NDF: 102.3/89

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45


asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
Right In: 146.020+/-0.037 χ²/NDF: 1386330.7/18
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 119.727+/-0.031 χ²/NDF: 2481570.6/22
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 196.022+/-0.030 χ²/NDF: 11299012.6/43
All: 179.541+/-0.020 χ²/NDF: 25225204.0/89
- sign 166.402+/-0.027 χ²/NDF: 13372962.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

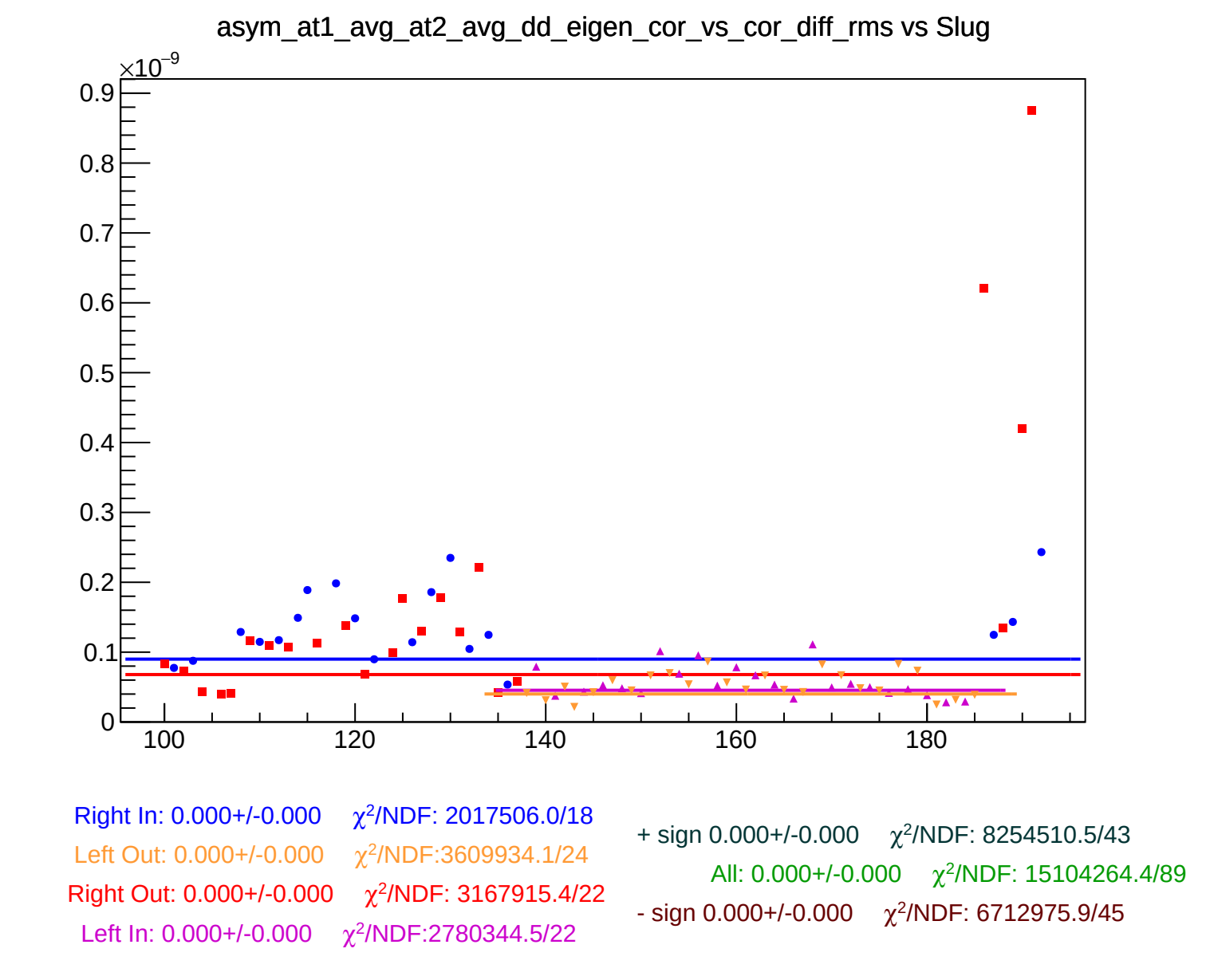
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/22

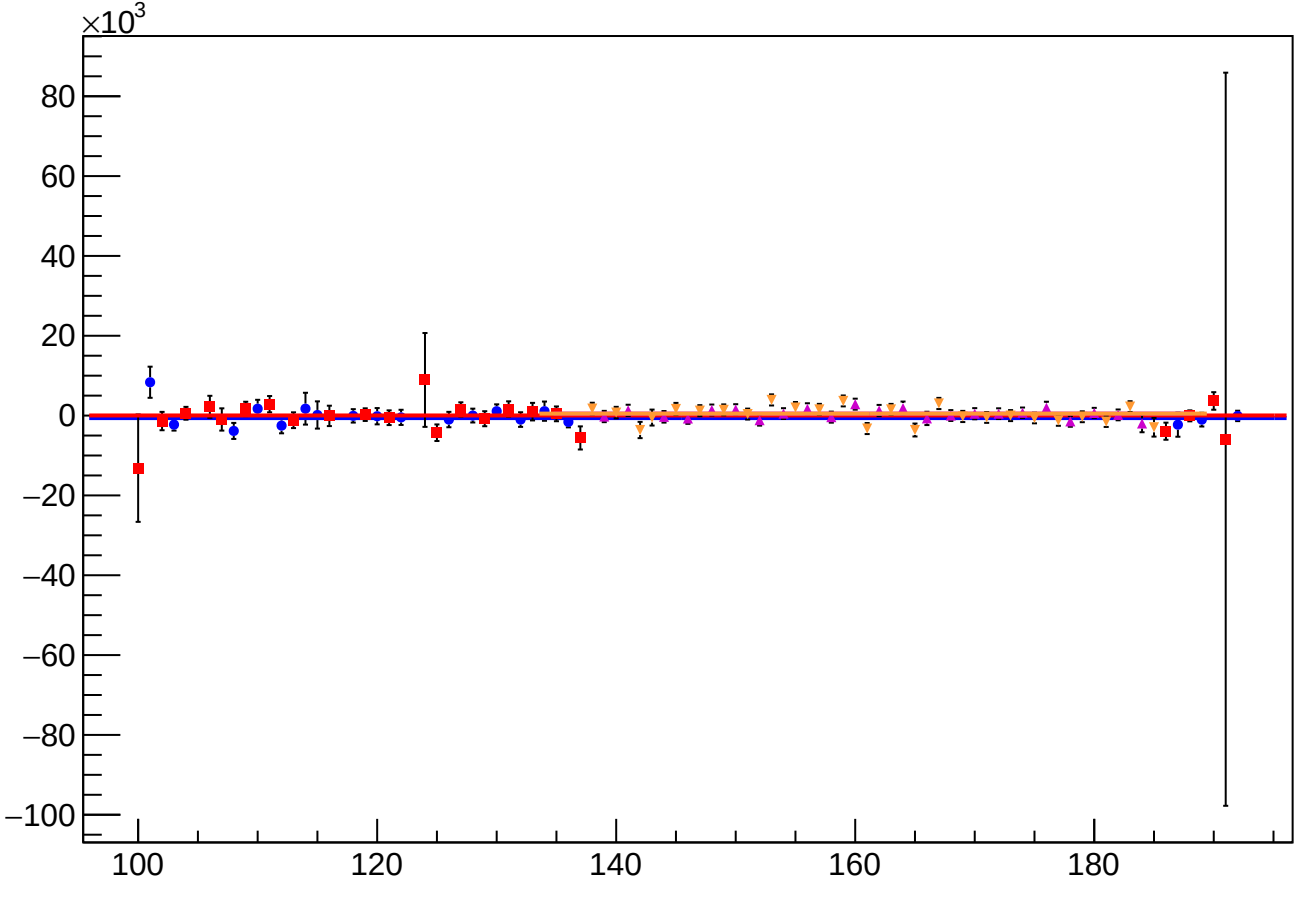
Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.2/43

All: -0.000+/-0.000 χ^2/NDF: 109.7/89

- sign -0.000+/-0.000 χ^2/NDF: 49.1/45


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 2017506.0/18
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 3167915.4/22
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 8254510.5/43
All: 0.000+/-0.000 χ²/NDF: 15104264.4/89
- sign 0.000+/-0.000 χ²/NDF: 6712975.9/45



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

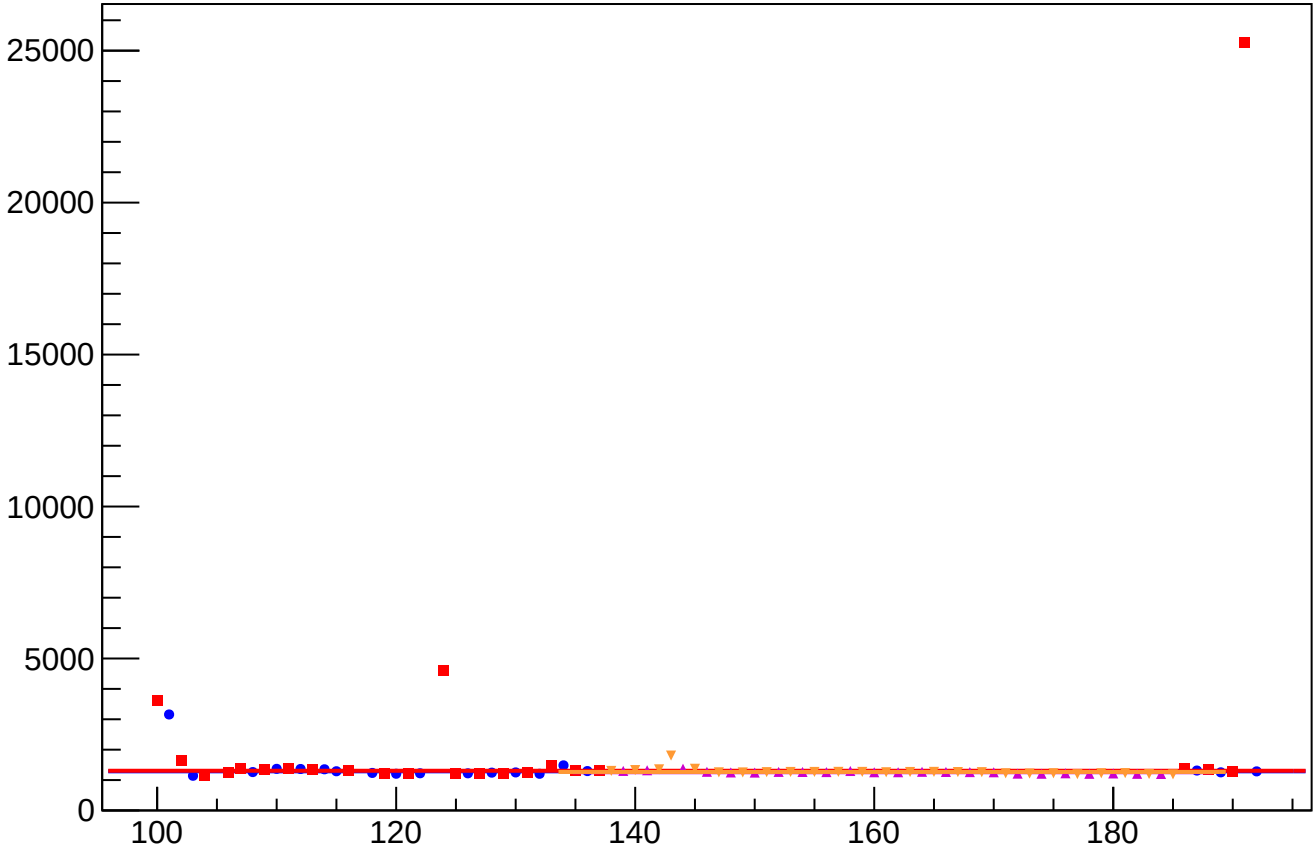
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 152.432+/-240.862 χ^2/NDF: 65.9/43

All: 247.885+/-171.549 χ^2/NDF: 103.4/89

- sign 346.154+/-244.389 χ^2/NDF: 37.2/45

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.289+/-0.309 χ^2/NDF: 515593.7/18

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

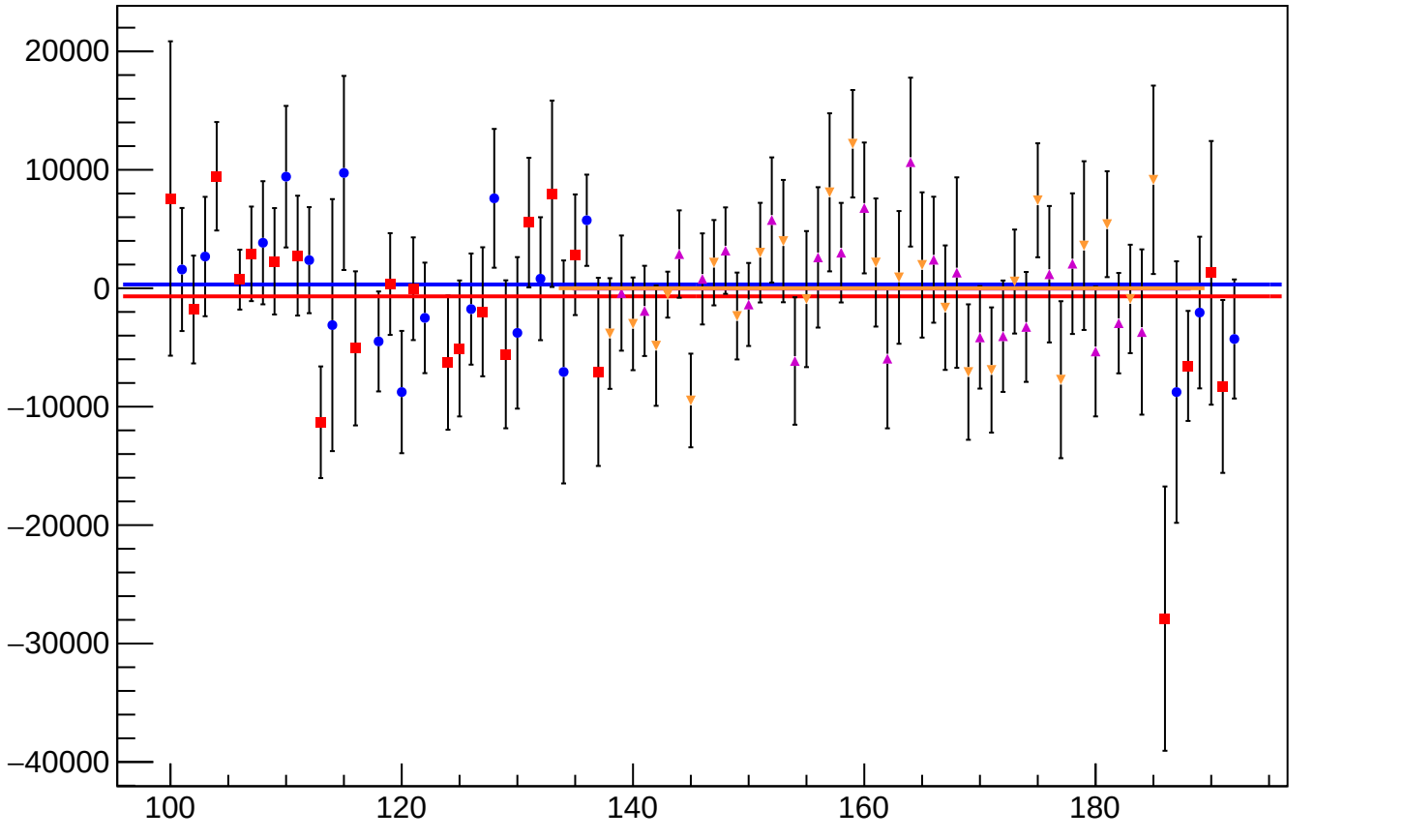
Right Out: 1306.165+/-0.311 χ^2/NDF: 464347.1/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706145.6/43

All: 1272.848+/-0.121 χ^2/NDF: 1224229.1/89

- sign 1272.565+/-0.173 χ^2/NDF: 518078.2/45



Right In: 317.922+/-1248.509 χ^2/NDF: 15.9/18

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

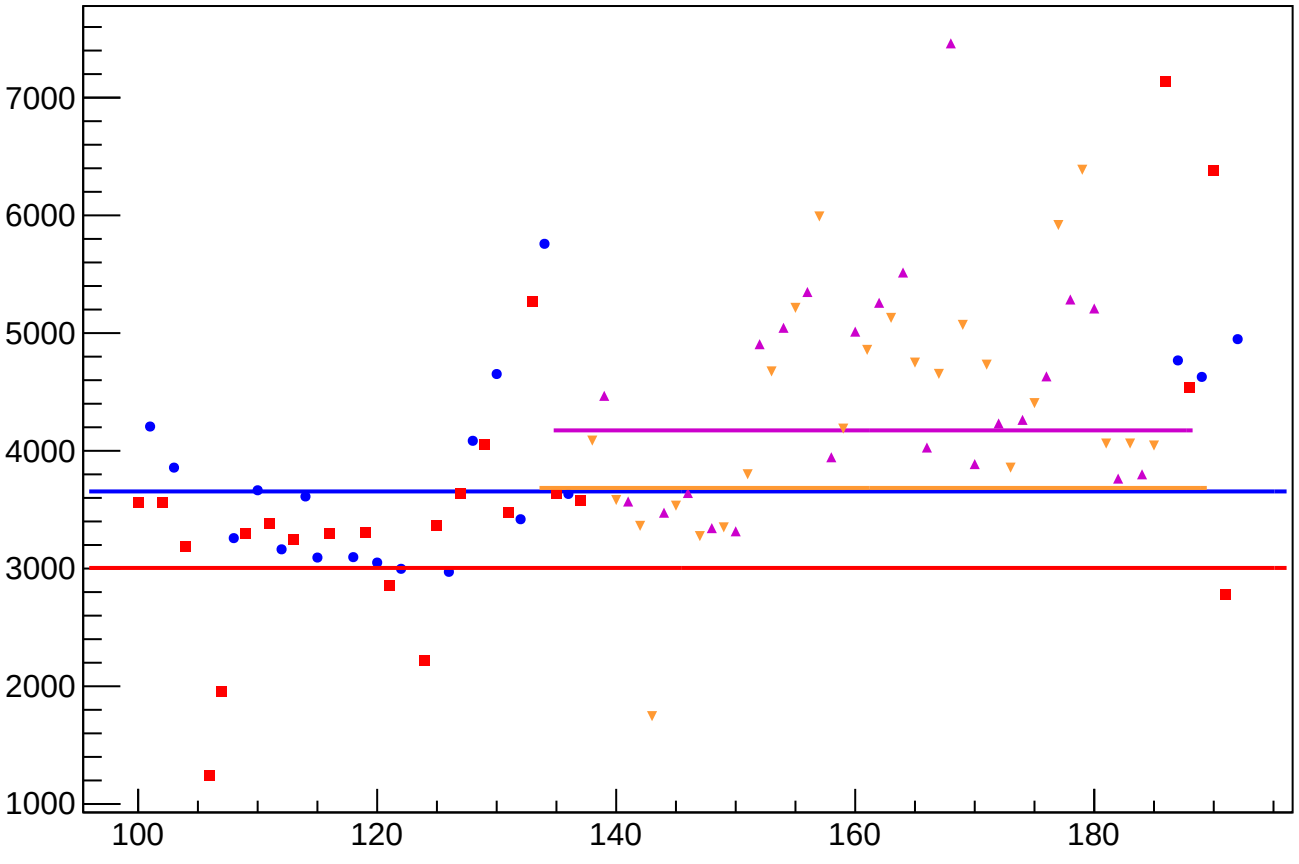
Right Out: -684.995+/-1059.241 χ^2/NDF: 27.5/22

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 106.157+/-722.814 χ^2/NDF: 45.0/43

All: -115.140+/-512.002 χ^2/NDF: 86.9/89

- sign -337.994+/-725.354 χ^2/NDF: 41.8/45



Right In: 3655.027+/-0.883 χ^2/NDF: 577740.2/18

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

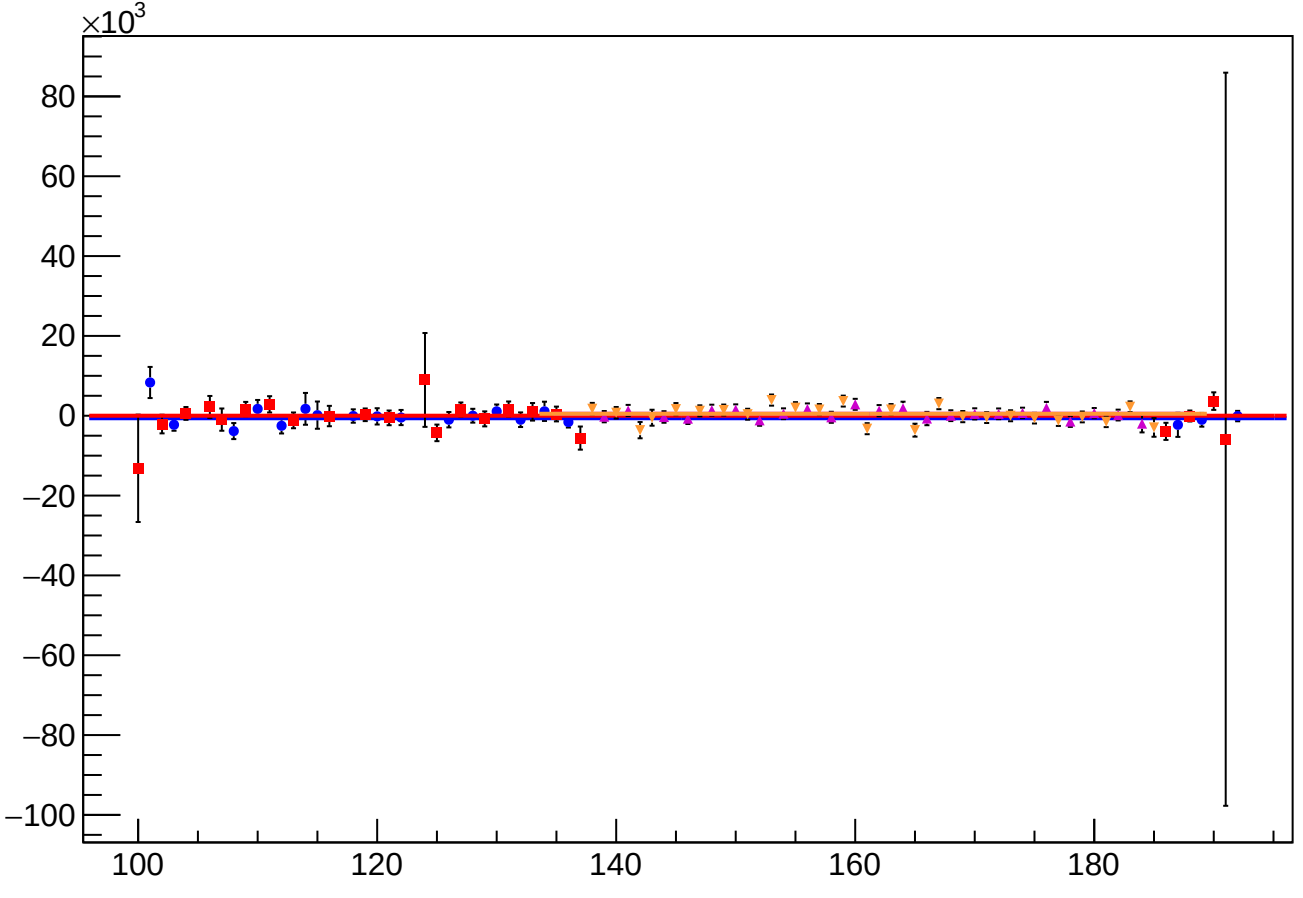
Right Out: 3005.128+/-0.749 χ^2/NDF: 2218383.6/22

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3674.800+/-0.511 χ^2/NDF: 4272141.3/43

All: 3650.307+/-0.362 χ^2/NDF: 9062497.1/89

- sign 3625.642+/-0.513 χ^2/NDF: 4785746.7/45



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

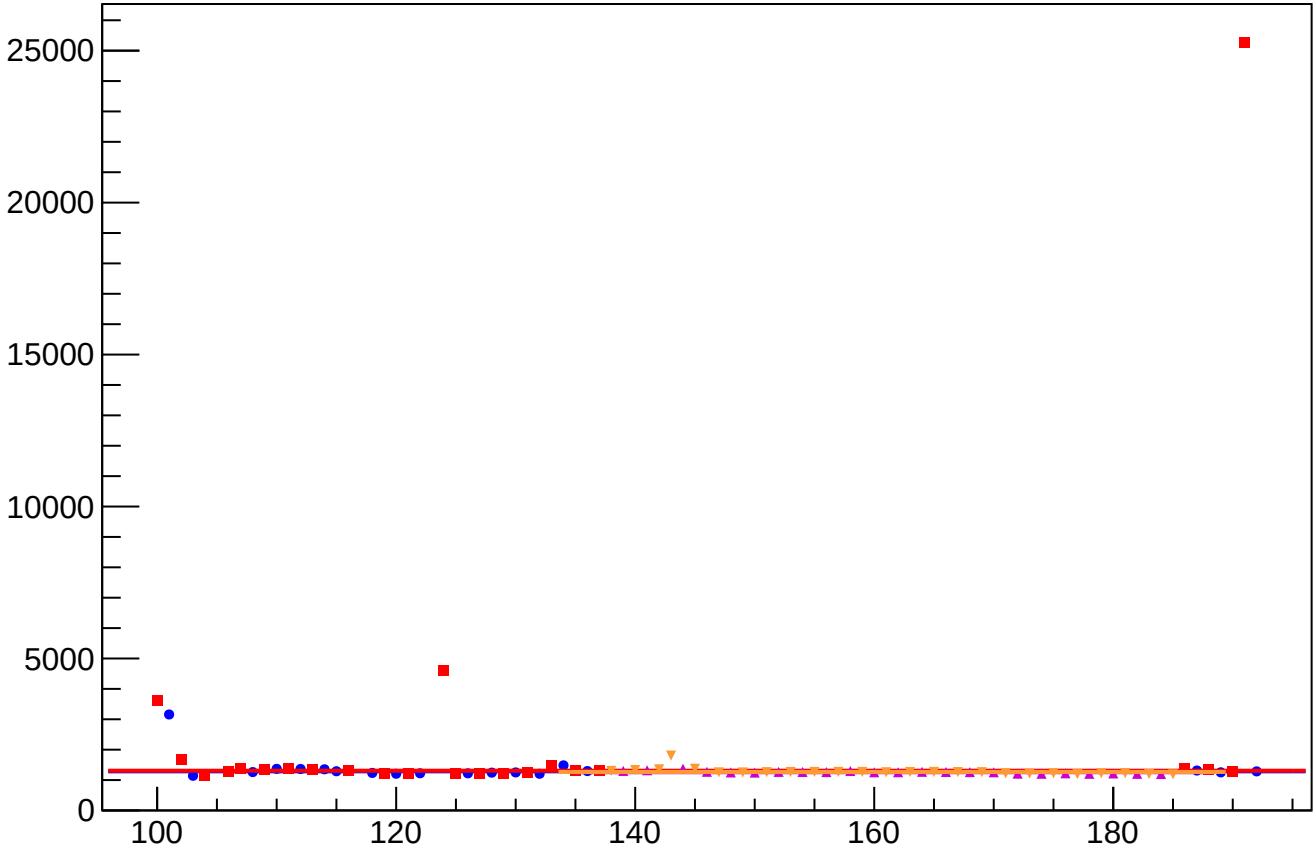
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 244.254+/-171.563 χ^2/NDF: 103.9/89

- sign 338.902+/-244.429 χ^2/NDF: 37.7/45

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.289+/-0.309 χ^2/NDF: 515595.1/18

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

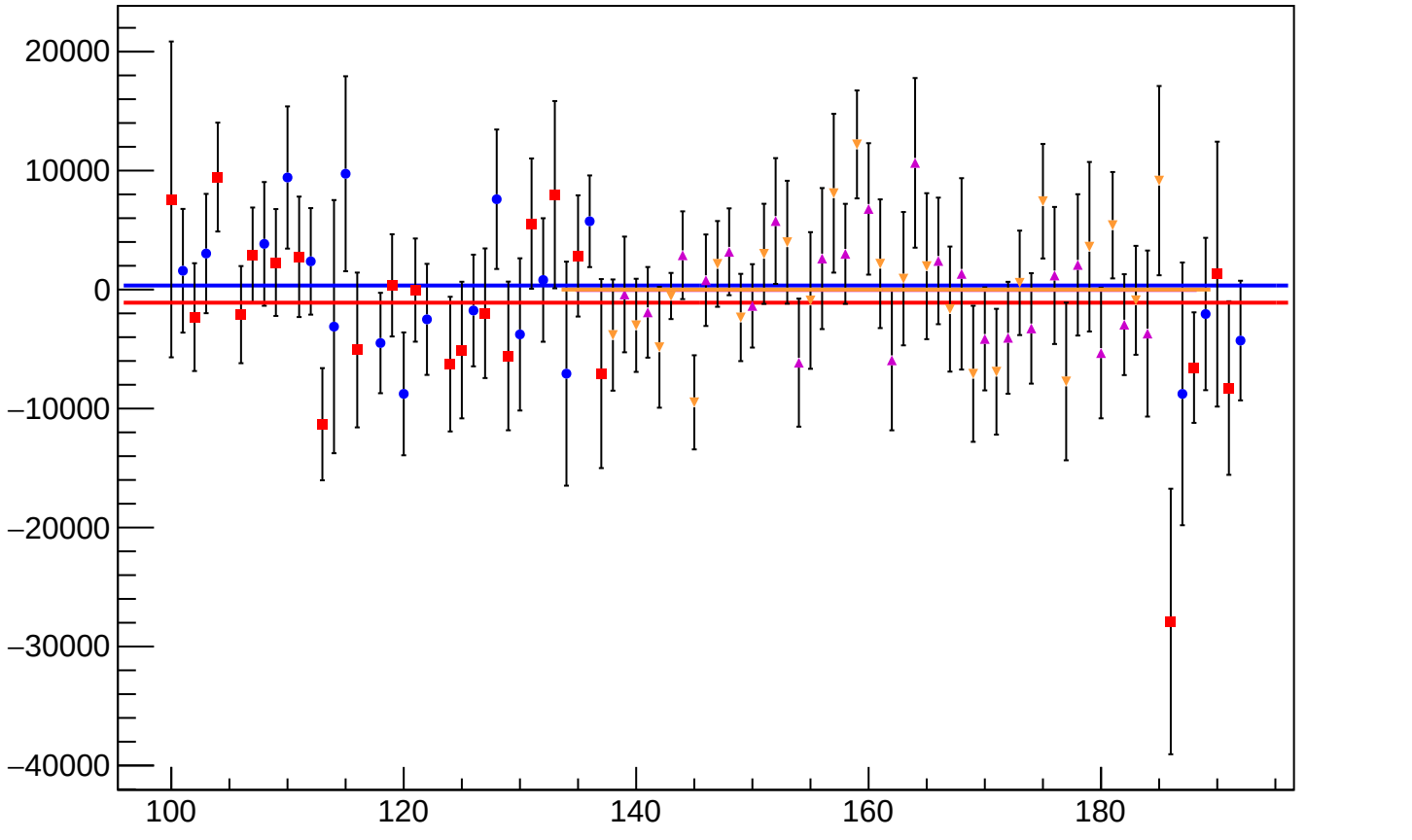
Right Out: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.091+/-0.121 χ^2/NDF: 1231660.1/89

- sign 1273.057+/-0.173 χ^2/NDF: 525513.0/45



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

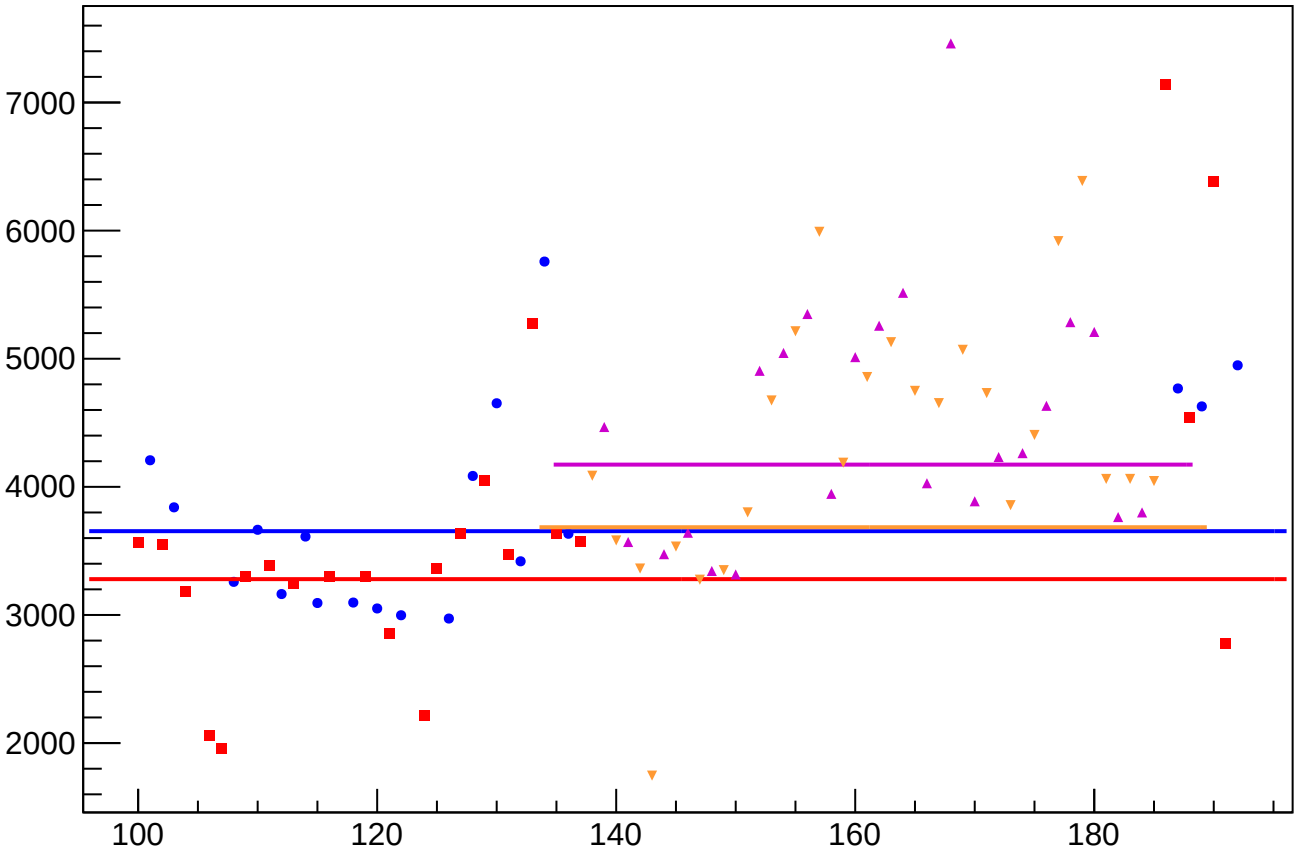
Right Out: -1100.868+/-1121.138 χ^2/NDF: 27.3/22

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 114.011+/-722.740 χ^2/NDF: 45.0/43

All: -185.369+/-518.520 χ^2/NDF: 87.2/89

- sign -502.905+/-744.334 χ^2/NDF: 41.8/45



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

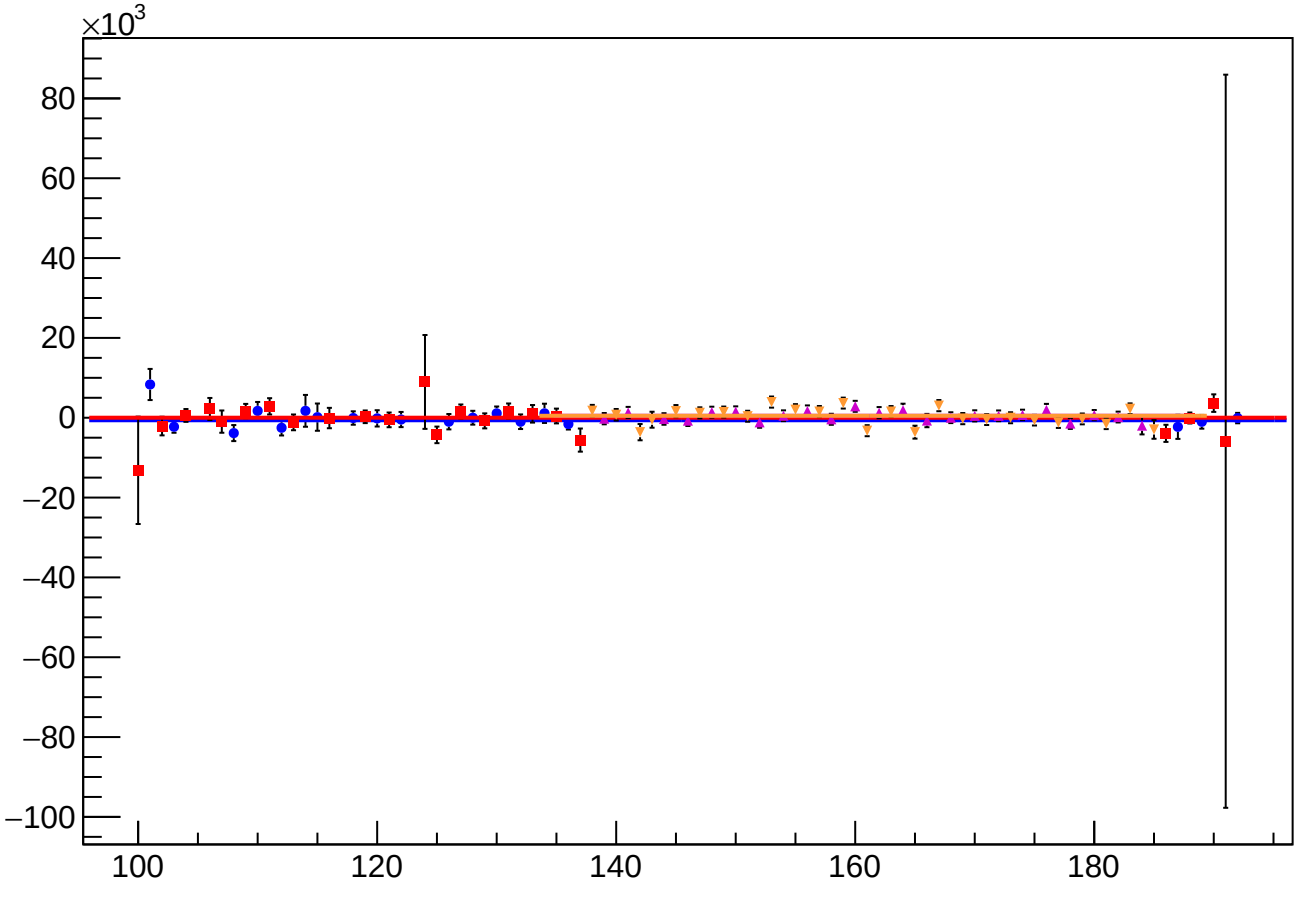
Right Out: 3279.674+/-0.793 χ^2/NDF: 1231847.1/22

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3725.474+/-0.367 χ^2/NDF: 7510107.6/89

- sign 3779.551+/-0.526 χ^2/NDF: 3217787.5/45



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

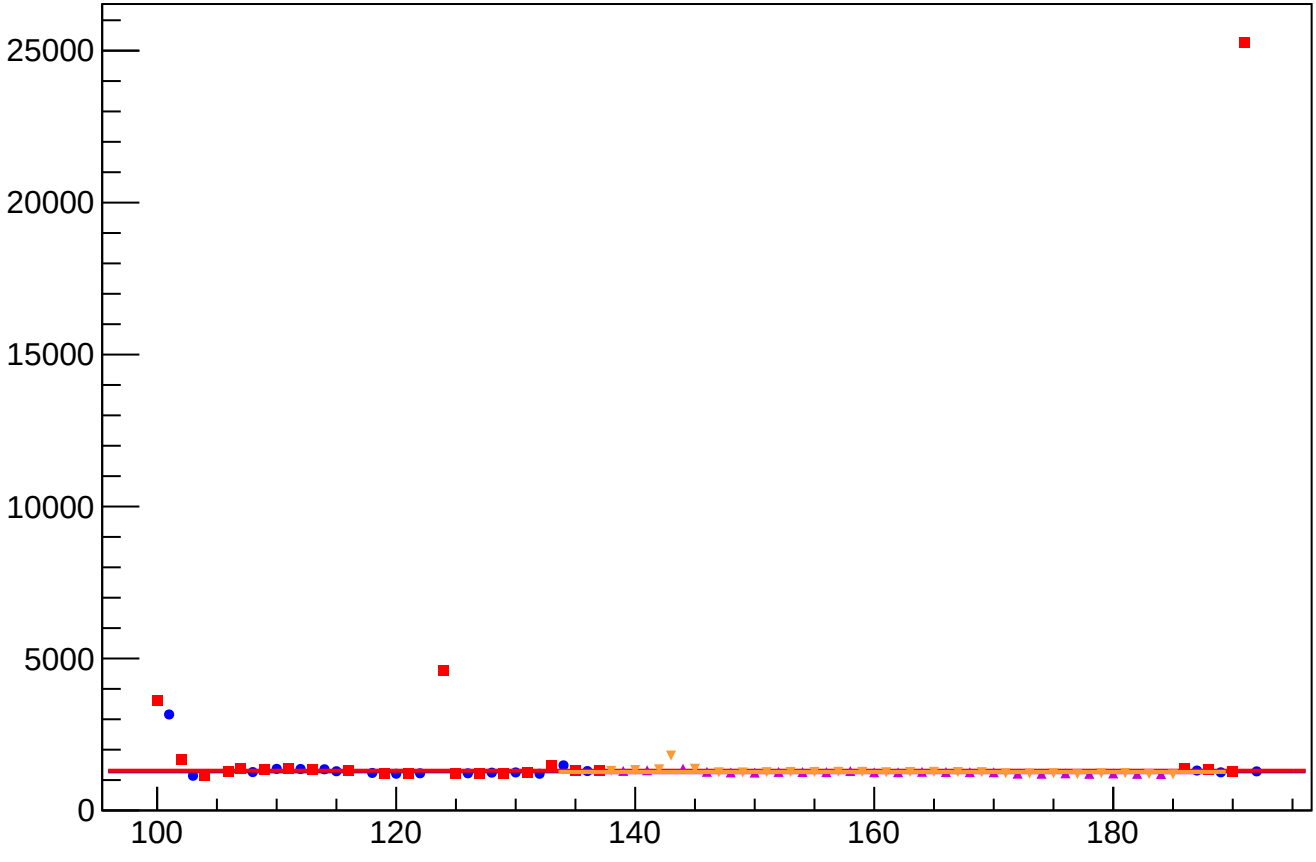
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 244.254+/-171.563 χ^2/NDF: 103.9/89

- sign 338.902+/-244.429 χ^2/NDF: 37.7/45

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1287.289+/-0.309 χ^2/NDF: 515595.1/18

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

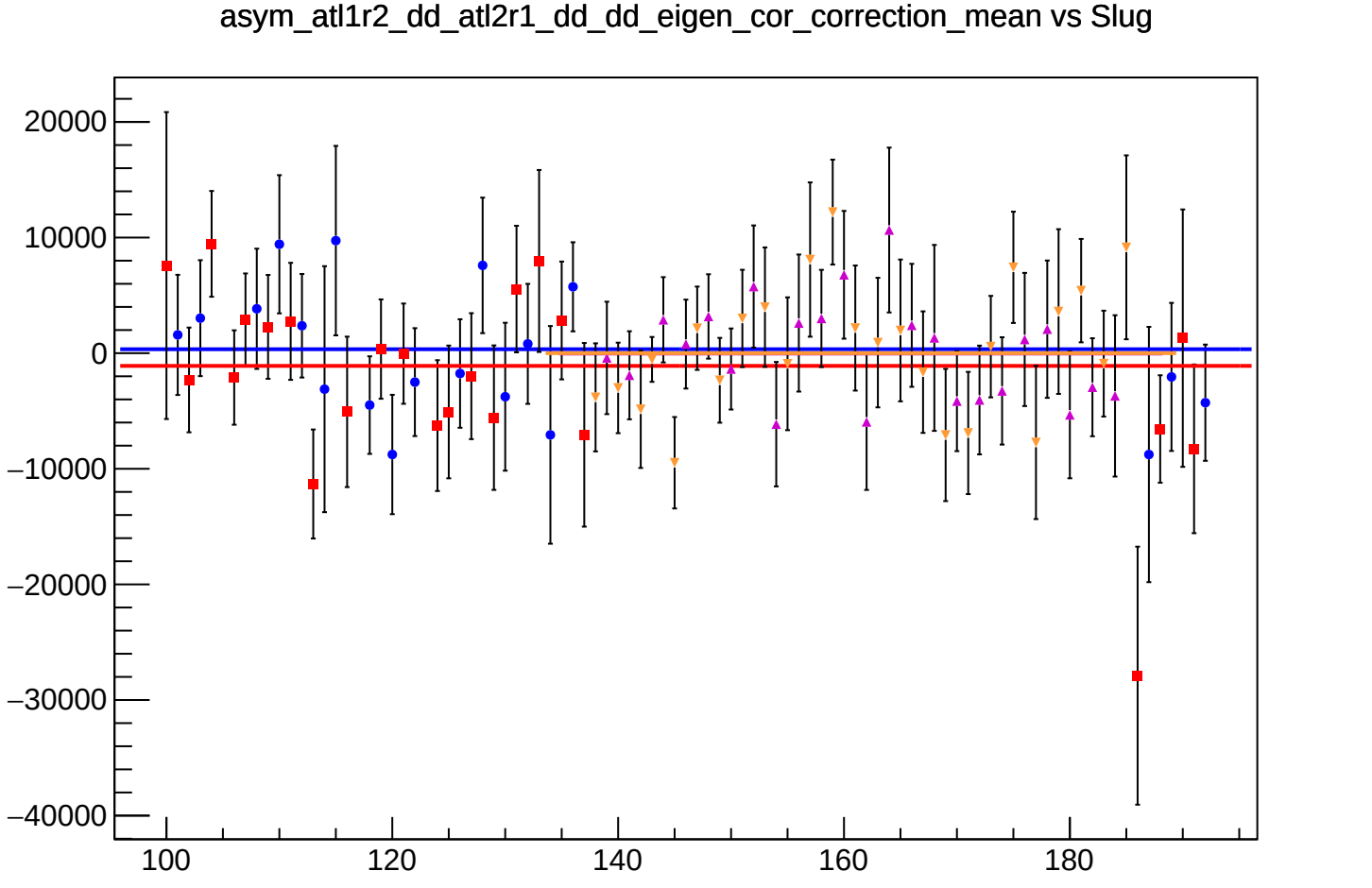
Right Out: 1307.837+/-0.311 χ^2/NDF: 470627.6/22

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.091+/-0.121 χ^2/NDF: 1231660.1/89

- sign 1273.057+/-0.173 χ^2/NDF: 525513.0/45



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

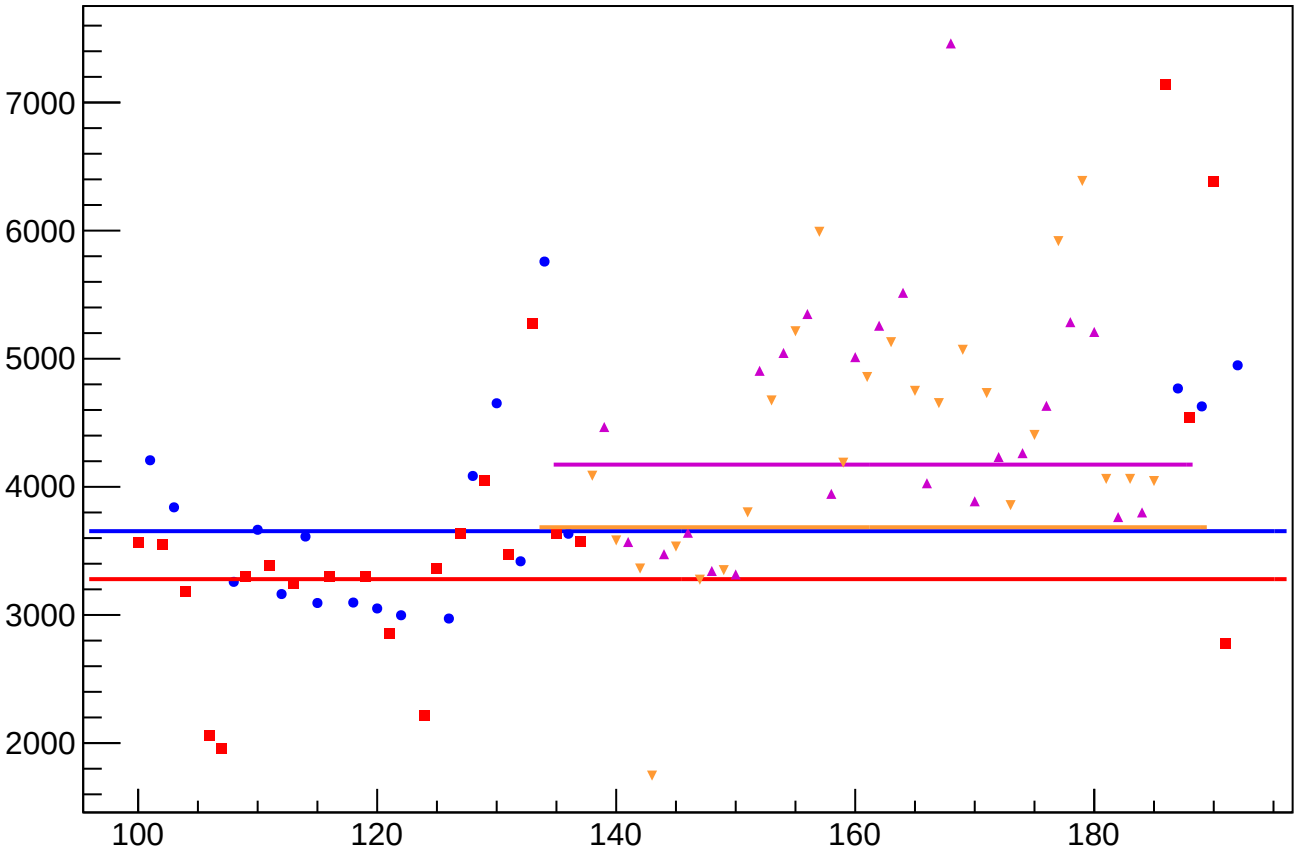
Right Out: -1100.868+/-1121.138 χ^2/NDF: 27.3/22

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 114.011+/-722.740 χ^2/NDF: 45.0/43

All: -185.369+/-518.520 χ^2/NDF: 87.2/89

- sign -502.905+/-744.334 χ^2/NDF: 41.8/45



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

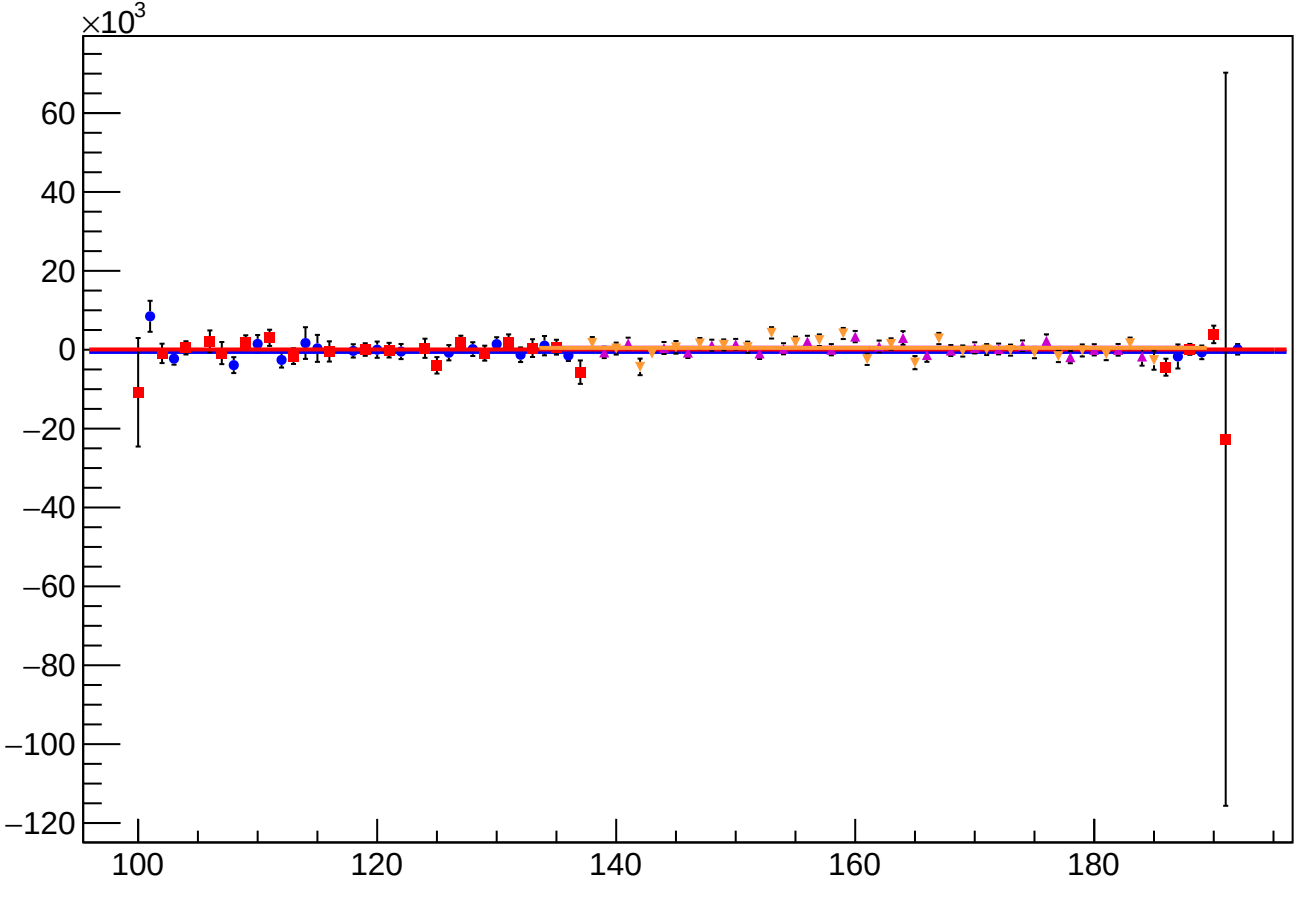
Right Out: 3279.674+/-0.793 χ^2/NDF: 1231847.1/22

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3725.474+/-0.367 χ^2/NDF: 7510107.6/89

- sign 3779.551+/-0.526 χ^2/NDF: 3217787.5/45



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

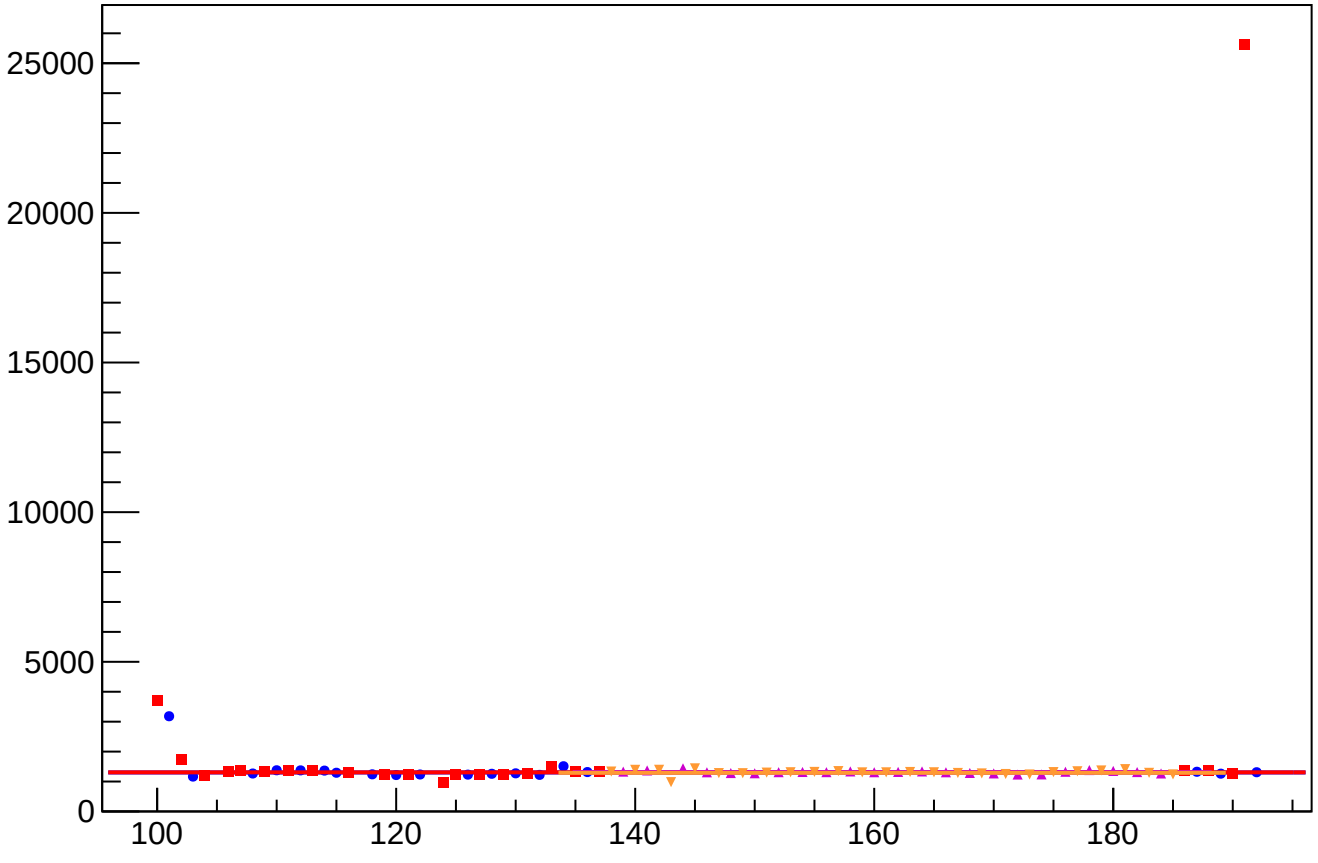
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign 154.290+/-245.075 χ^2/NDF: 62.3/43

All: 254.243+/-175.576 χ^2/NDF: 103.0/89

\- sign 359.640+/-251.659 χ^2/NDF: 40.3/45

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1302.569+/-0.313 χ^2/NDF: 511871.0/18

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

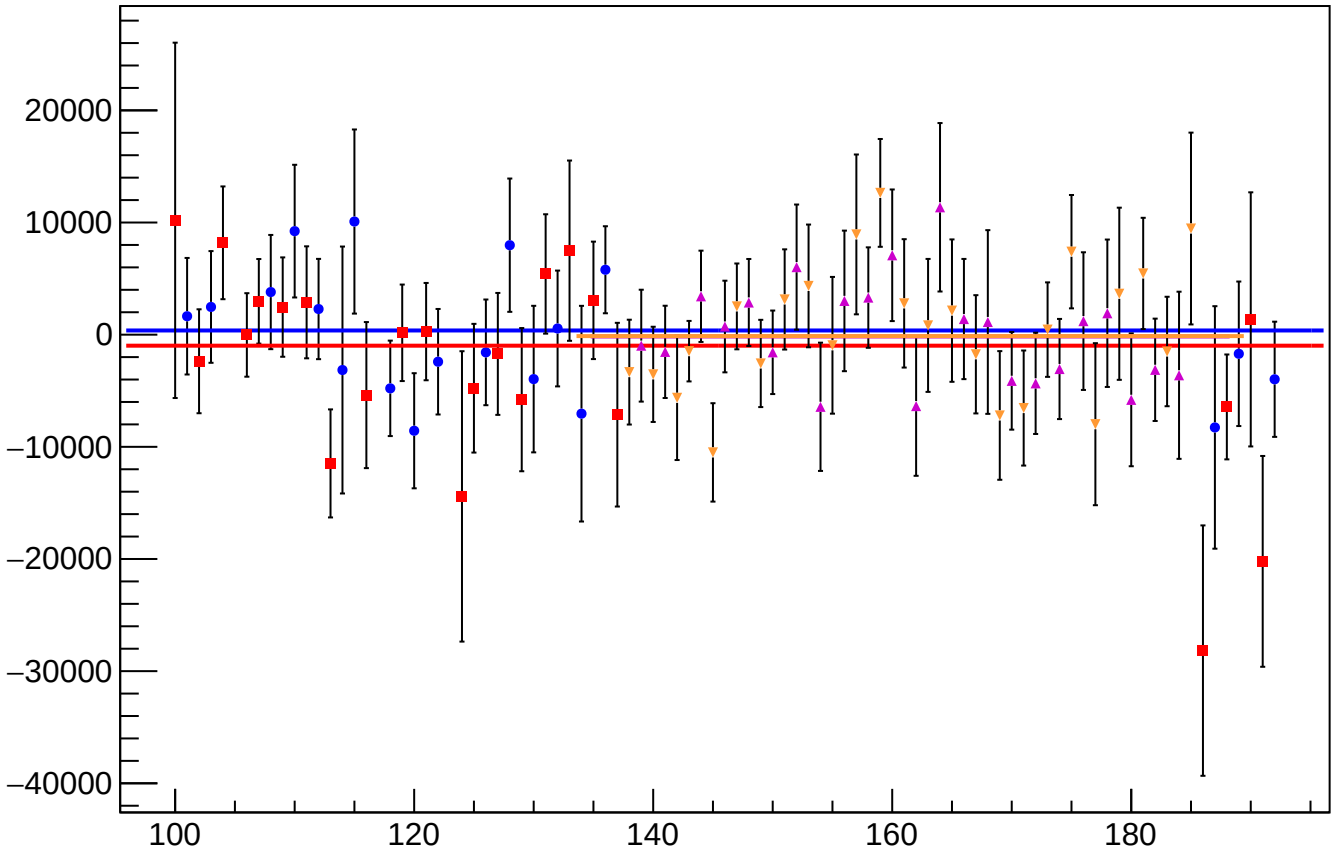
Right Out: 1306.774+/-0.310 χ^2/NDF: 359849.5/22

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.690+/-0.173 χ^2/NDF: 743518.9/43

All: 1302.937+/-0.124 χ^2/NDF: 1151429.6/89

- sign 1311.630+/-0.178 χ^2/NDF: 403258.6/45



Right In: 374.648+/-1251.845 χ^2/NDF: 15.7/18

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

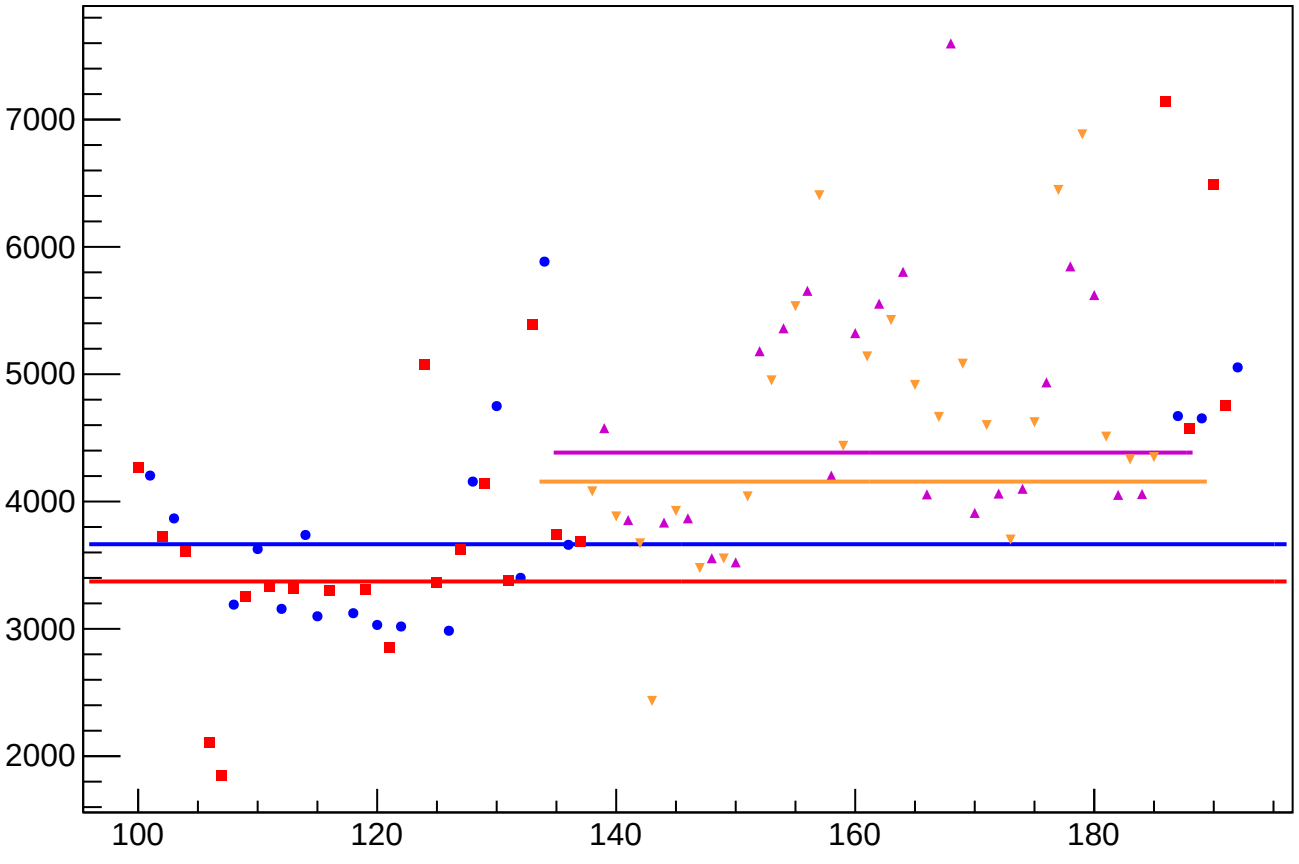
Right Out: -981.731+/-1141.605 χ^2/NDF: 29.0/22

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

\+ sign 62.777+/-770.312 χ^2/NDF: 44.4/43

All: -235.602+/-544.945 χ^2/NDF: 87.8/89

\- sign -534.533+/-771.025 χ^2/NDF: 43.1/45



Right In: 3664.685+/-0.885 χ^2/NDF: 611305.2/18

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

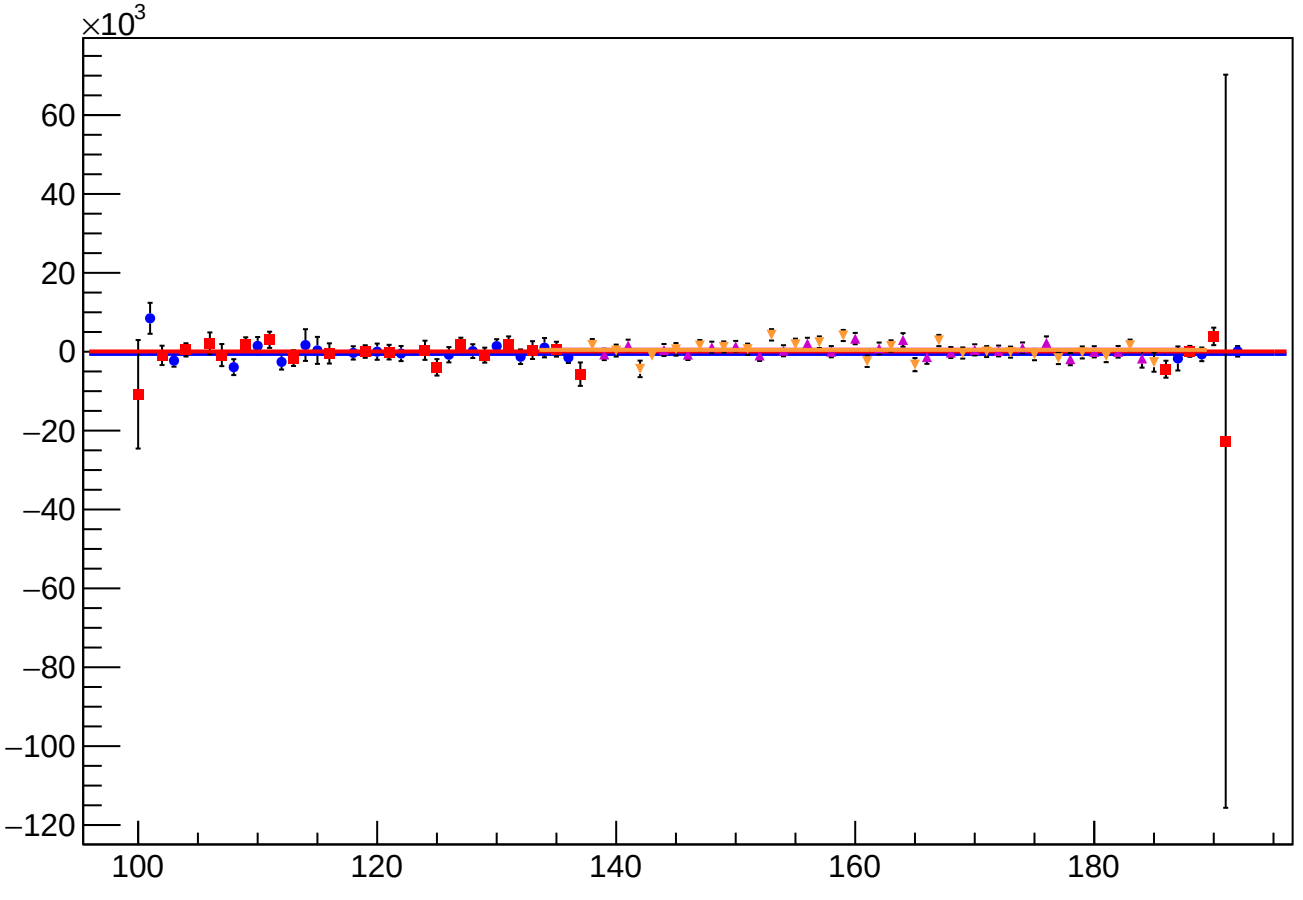
Right Out: 3372.159+/-0.807 χ^2/NDF: 1371232.1/22

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3970.327+/-0.545 χ^2/NDF: 2883945.7/43

All: 3946.499+/-0.385 χ^2/NDF: 6369509.3/89

- sign 3922.626+/-0.545 χ^2/NDF: 3481732.6/45



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

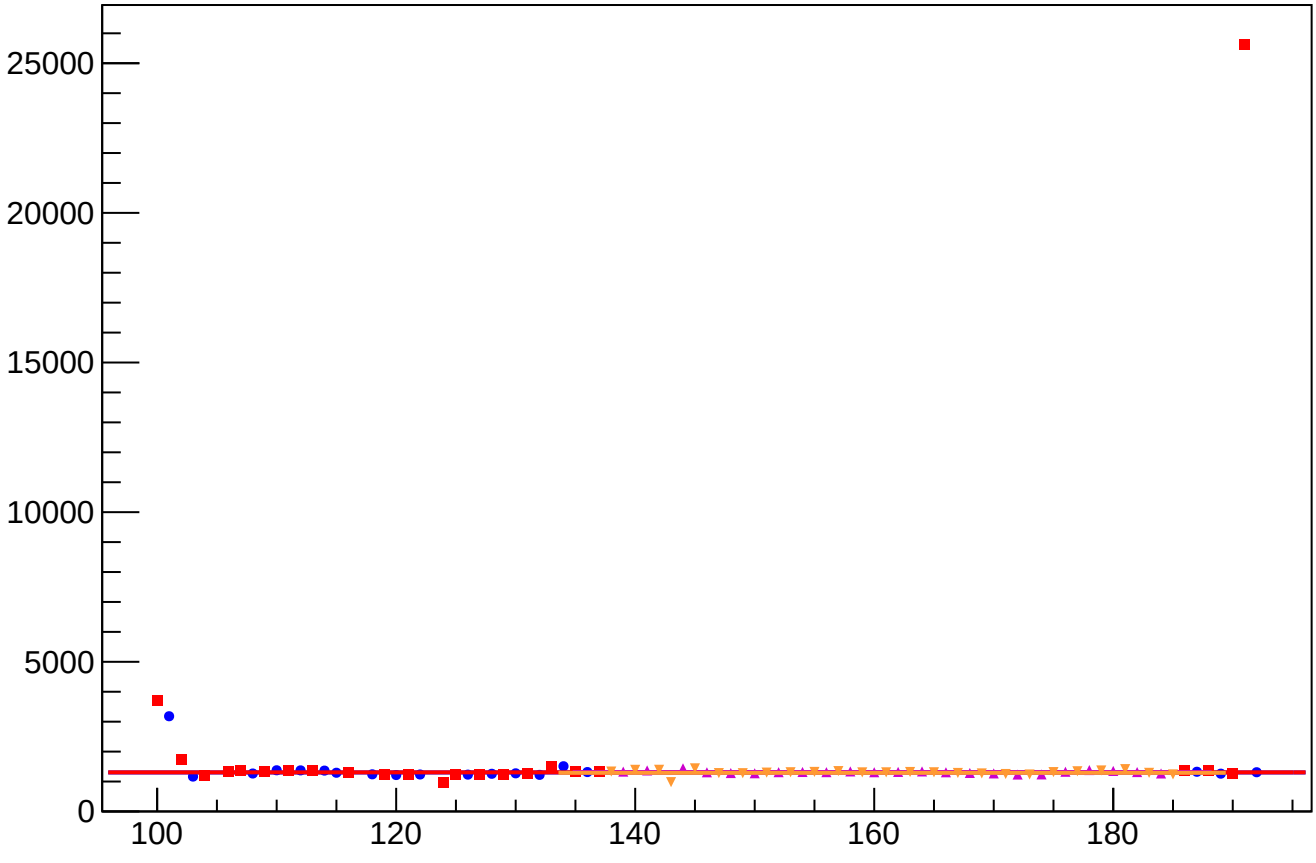
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 154.291+/-245.075 χ^2/NDF: 62.3/43

All: 254.245+/-175.576 χ^2/NDF: 103.0/89

- sign 359.641+/-251.659 χ^2/NDF: 40.3/45

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1302.568+/-0.313 χ^2/NDF: 511871.1/18

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

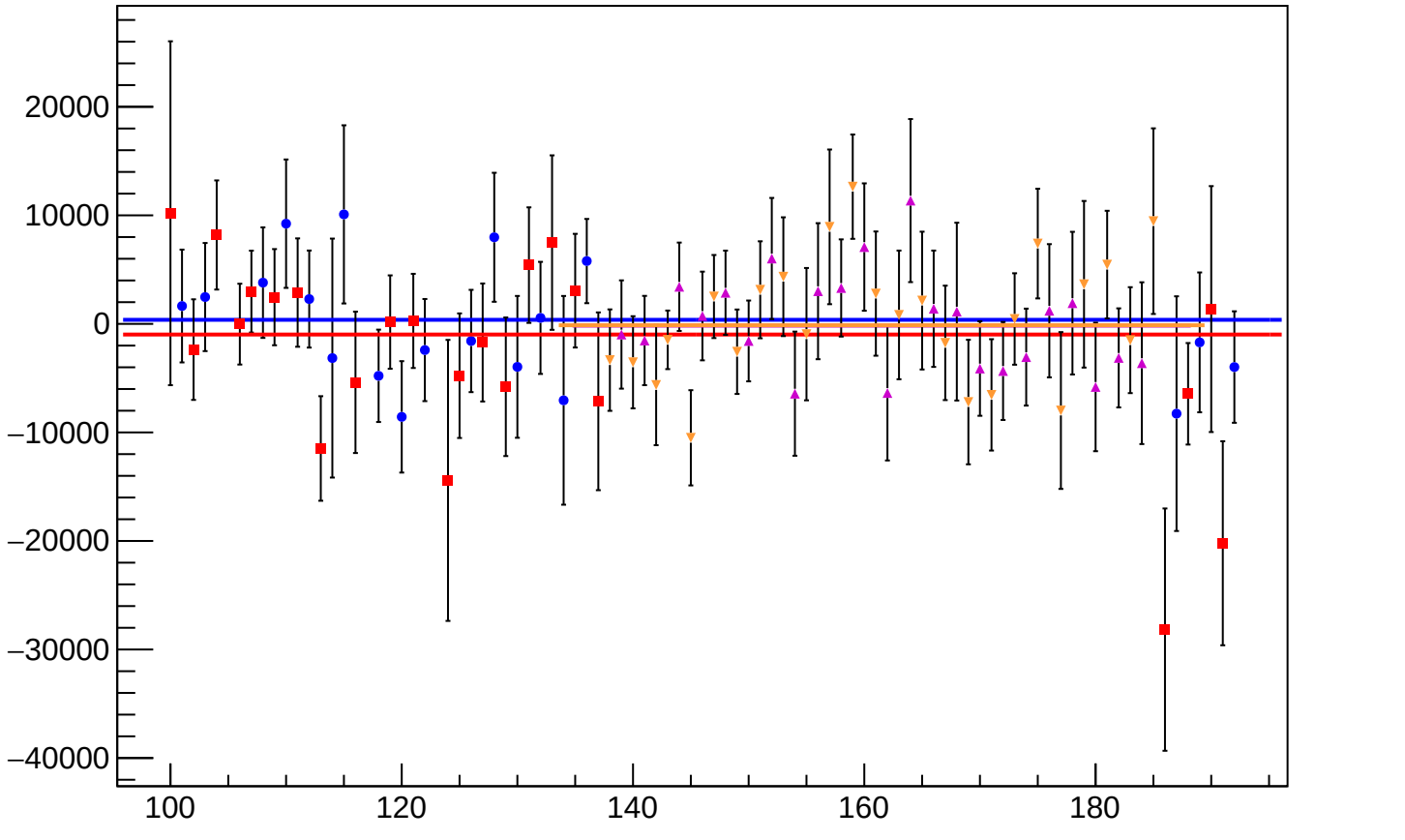
Right Out: 1306.774+/-0.310 χ^2/NDF: 359849.6/22

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.691+/-0.173 χ^2/NDF: 743521.3/43

All: 1302.938+/-0.124 χ^2/NDF: 1151434.4/89

- sign 1311.631+/-0.178 χ^2/NDF: 403261.0/45



Right In: 374.640+/-1251.843 χ^2/NDF: 15.7/18

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

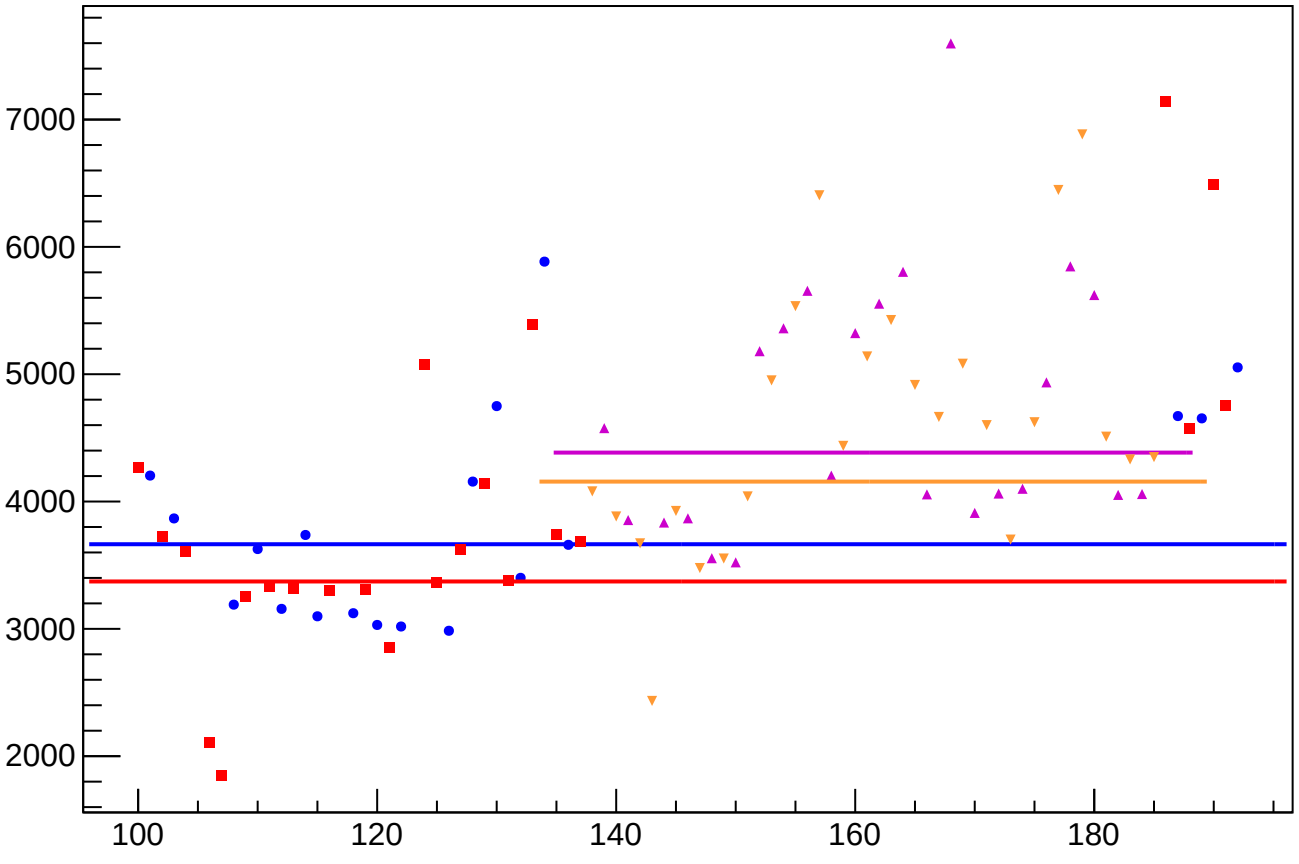
Right Out: -981.723+/-1141.603 χ^2/NDF: 29.0/22

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 62.776+/-770.313 χ^2/NDF: 44.4/43

All: -235.601+/-544.945 χ^2/NDF: 87.8/89

- sign -534.531+/-771.025 χ^2/NDF: 43.1/45



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

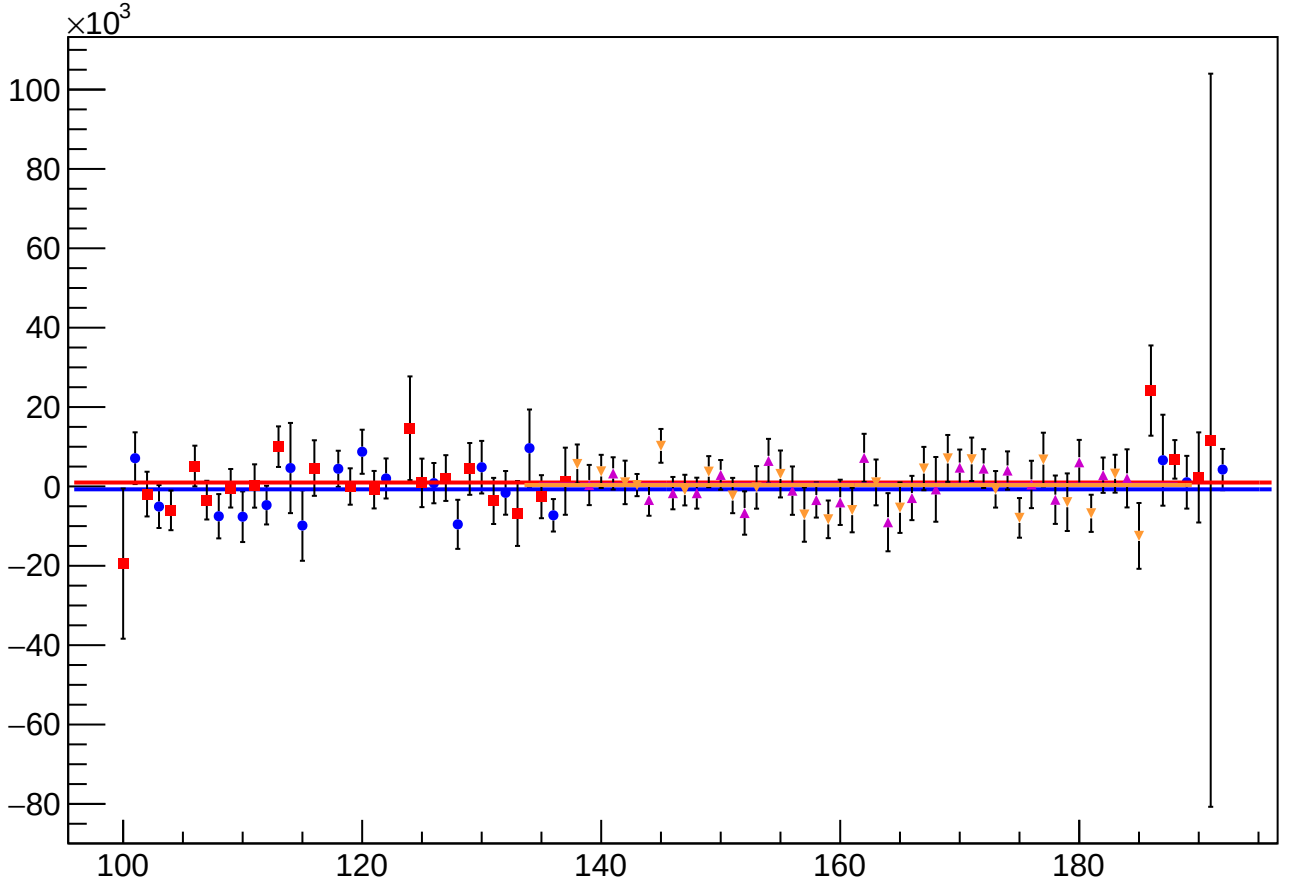
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3970.327+/-0.545 χ^2/NDF: 2883969.3/43

All: 3946.498+/-0.385 χ^2/NDF: 6369568.5/89

- sign 3922.625+/-0.545 χ^2/NDF: 3481767.9/45

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



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

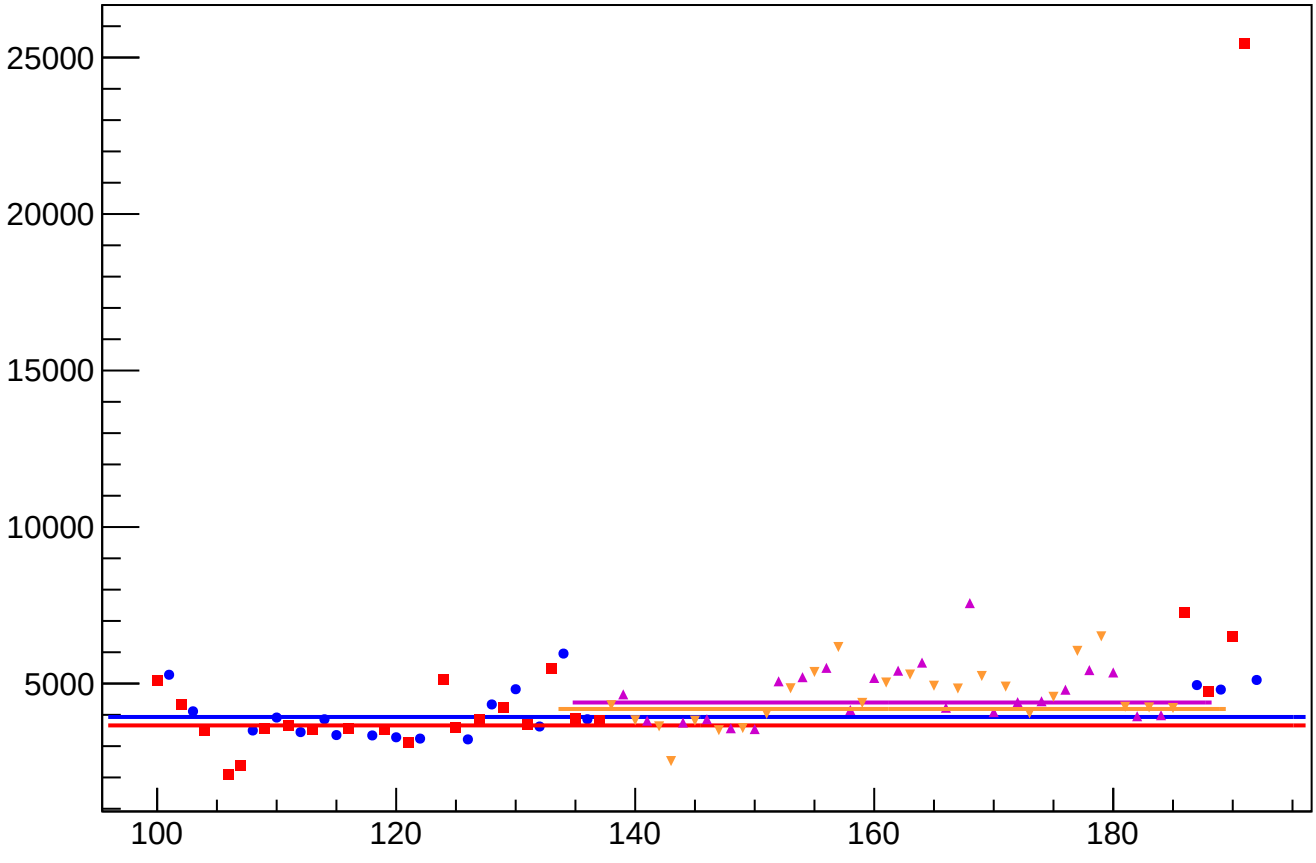
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -18.523+/-791.369 χ^2/NDF: 47.2/43

All: 330.237+/-565.122 χ^2/NDF: 79.2/89

- sign 693.159+/-807.275 χ^2/NDF: 31.6/45

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3932.103+/-0.949 χ^2/NDF: 558009.3/18

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

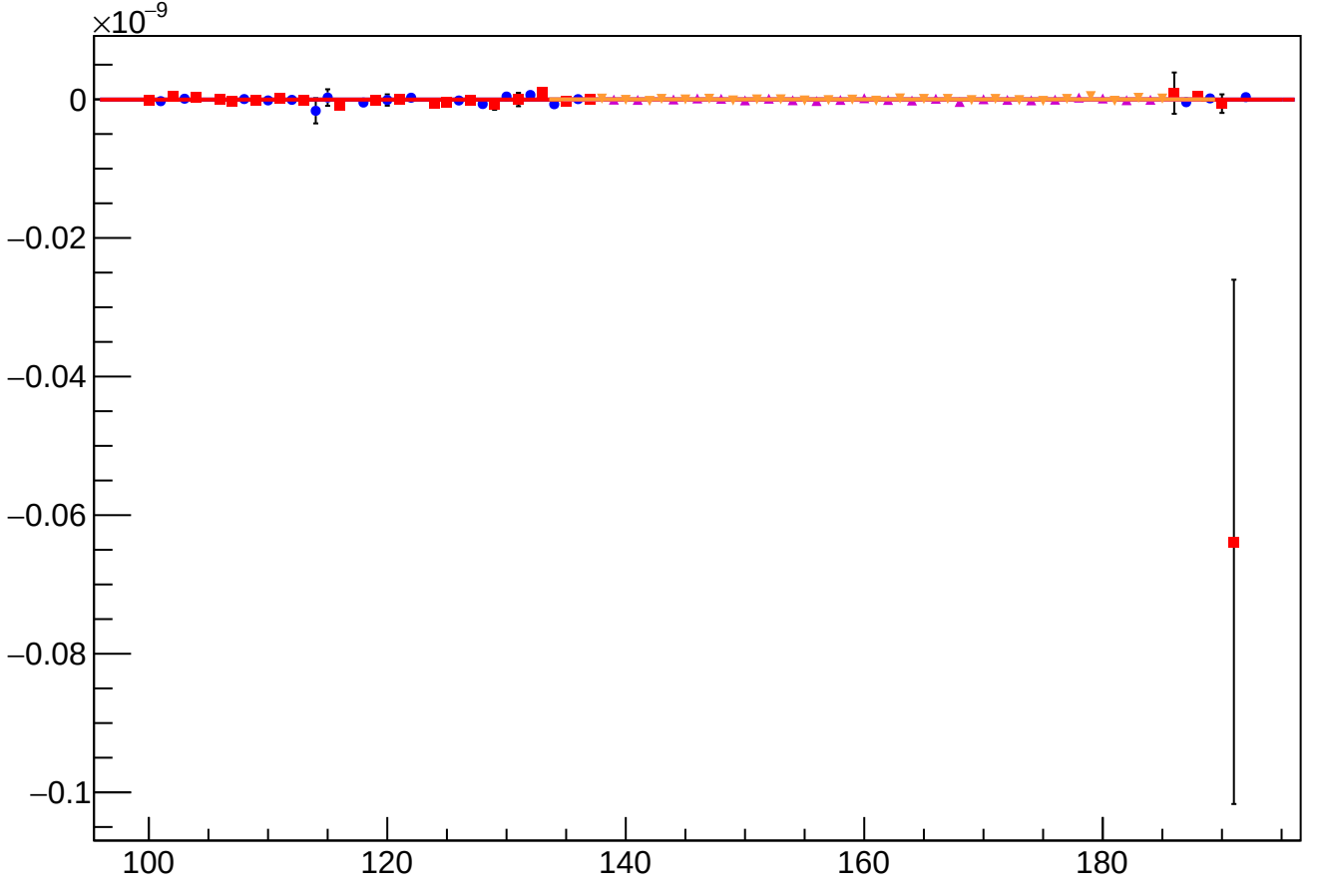
Right Out: 3662.212+/-0.888 χ^2/NDF: 1163470.1/22

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4098.918+/-0.560 χ^2/NDF: 2401731.2/43

All: 4096.971+/-0.399 χ^2/NDF: 5055236.8/89

- sign 4094.965+/-0.568 χ^2/NDF: 2653481.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

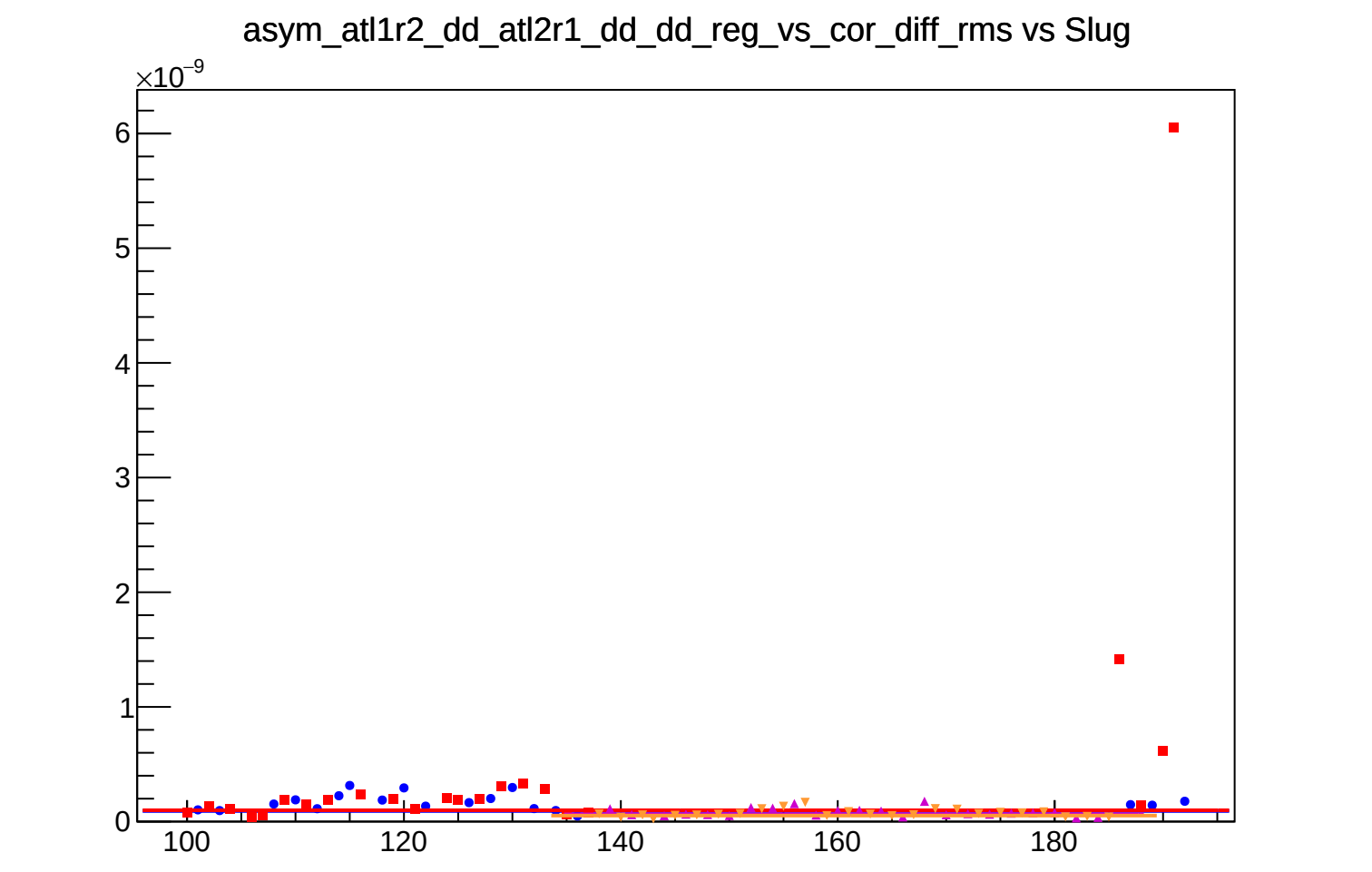
Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/22

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.8/43

All: -0.000+/-0.000 χ^2/NDF: 87.4/89

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



Right In: 0.000+/-0.000 χ^2/NDF: 1605476.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

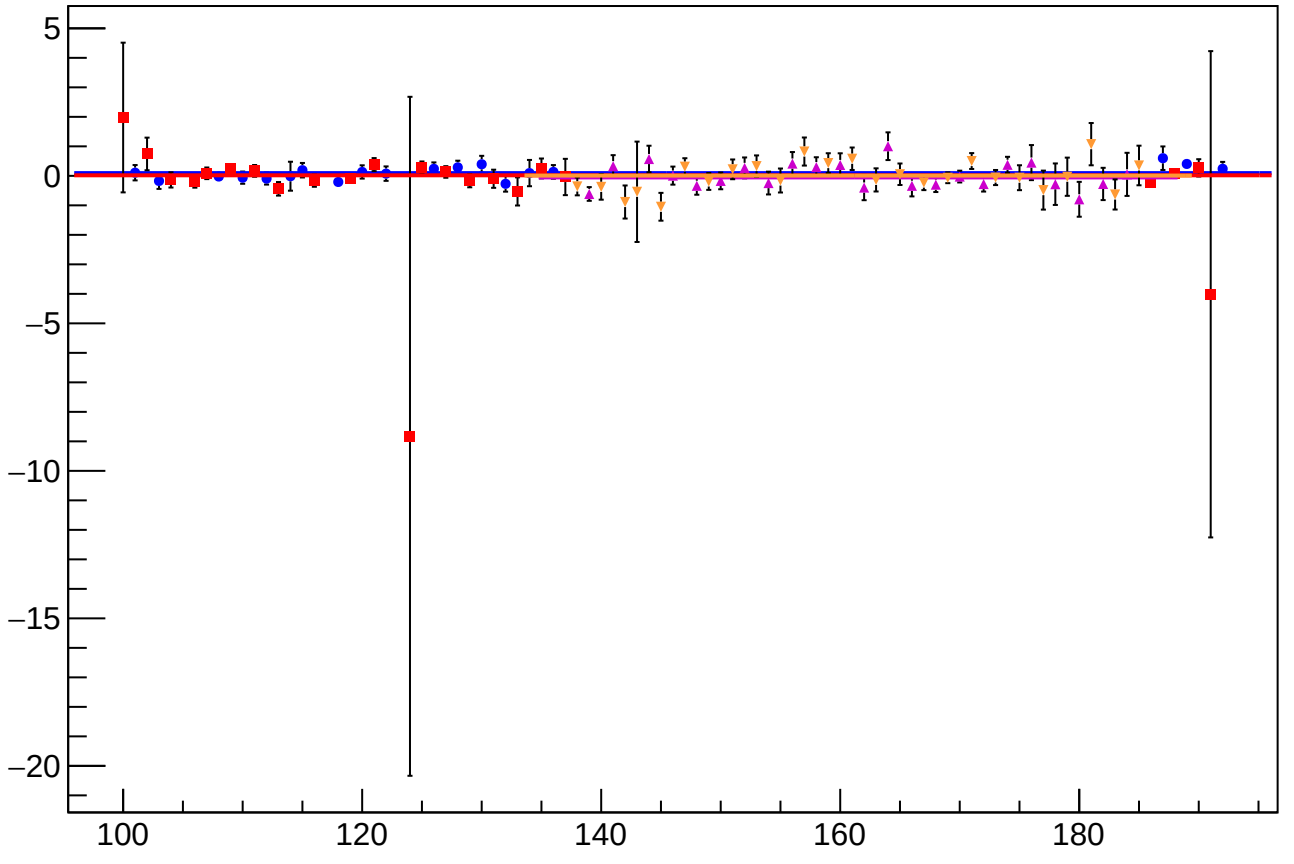
Right Out: 0.000+/-0.000 χ^2/NDF: 2536214.4/22

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5077576.1/43

All: 0.000+/-0.000 χ^2/NDF: 10192130.5/89

- sign 0.000+/-0.000 χ^2/NDF: 4875468.1/45



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

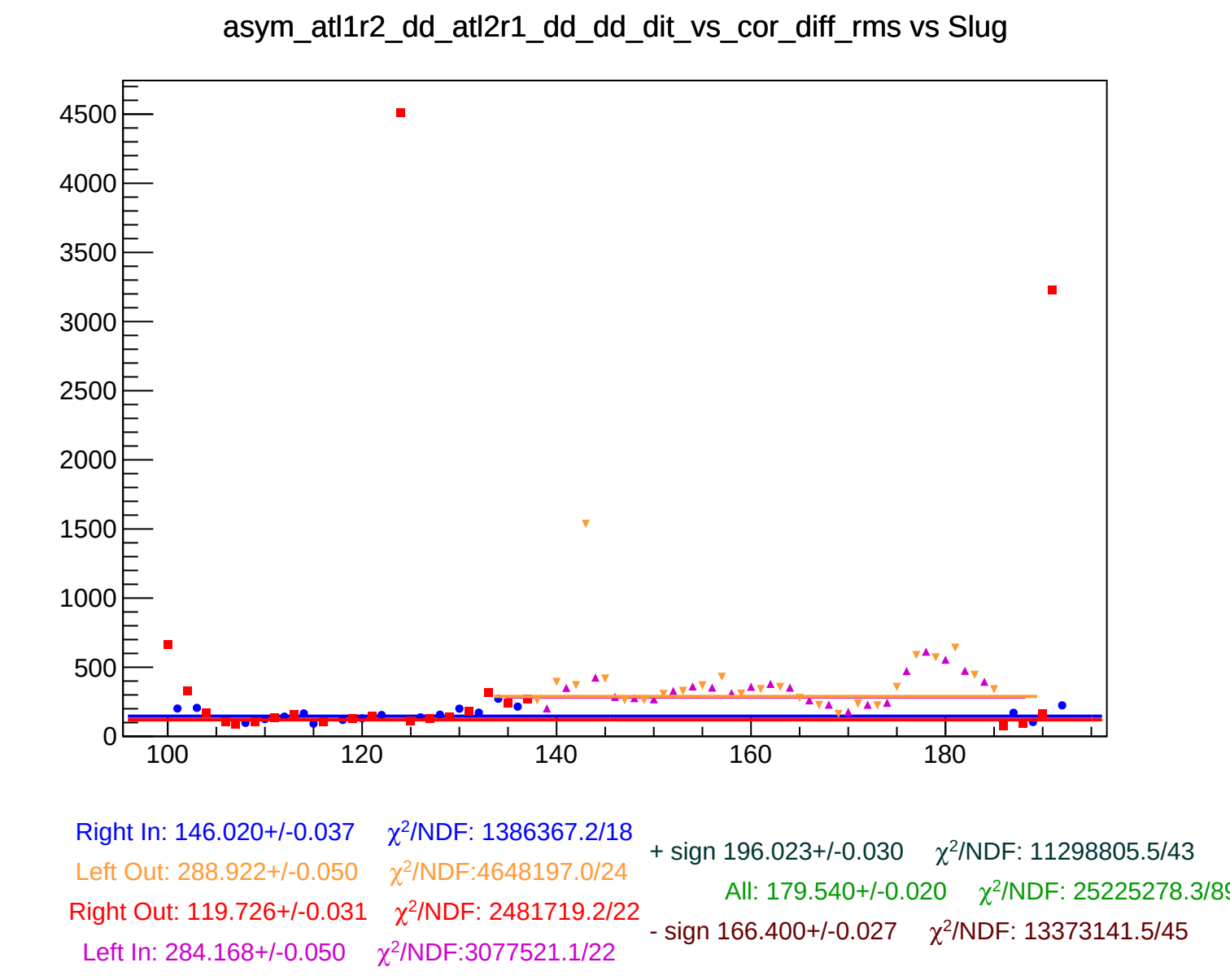
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

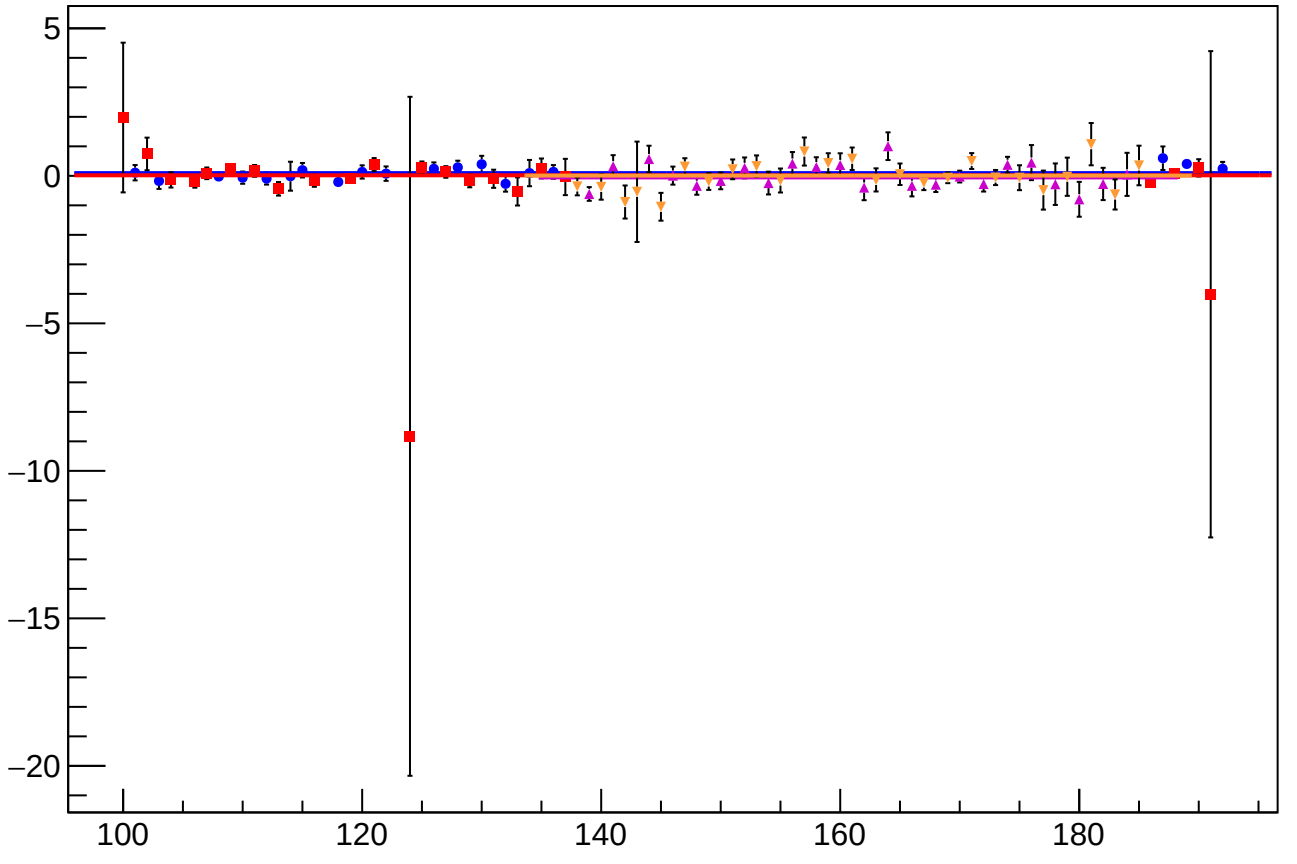
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.027+/-0.028 χ^2/NDF: 102.3/89

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
Right In: 146.020+/-0.037 χ²/NDF: 1386367.2/18
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 119.726+/-0.031 χ²/NDF: 2481719.2/22
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 196.023+/-0.030 χ²/NDF: 11298805.5/43
All: 179.540+/-0.020 χ²/NDF: 25225278.3/89
- sign 166.400+/-0.027 χ²/NDF: 13373141.5/45



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

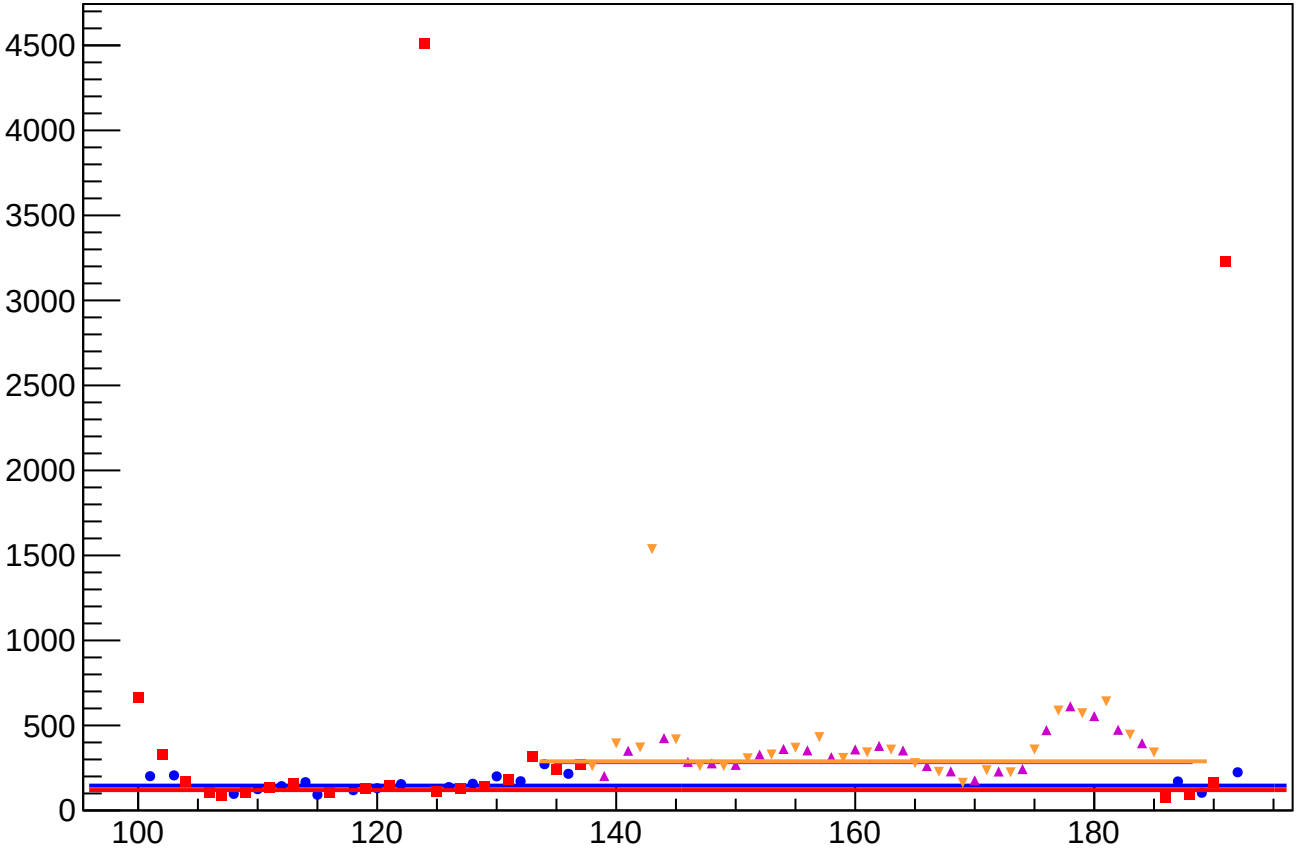
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.027+/-0.028 χ^2/NDF: 102.3/89

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.020+/-0.037 χ^2/NDF: 1386367.2/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

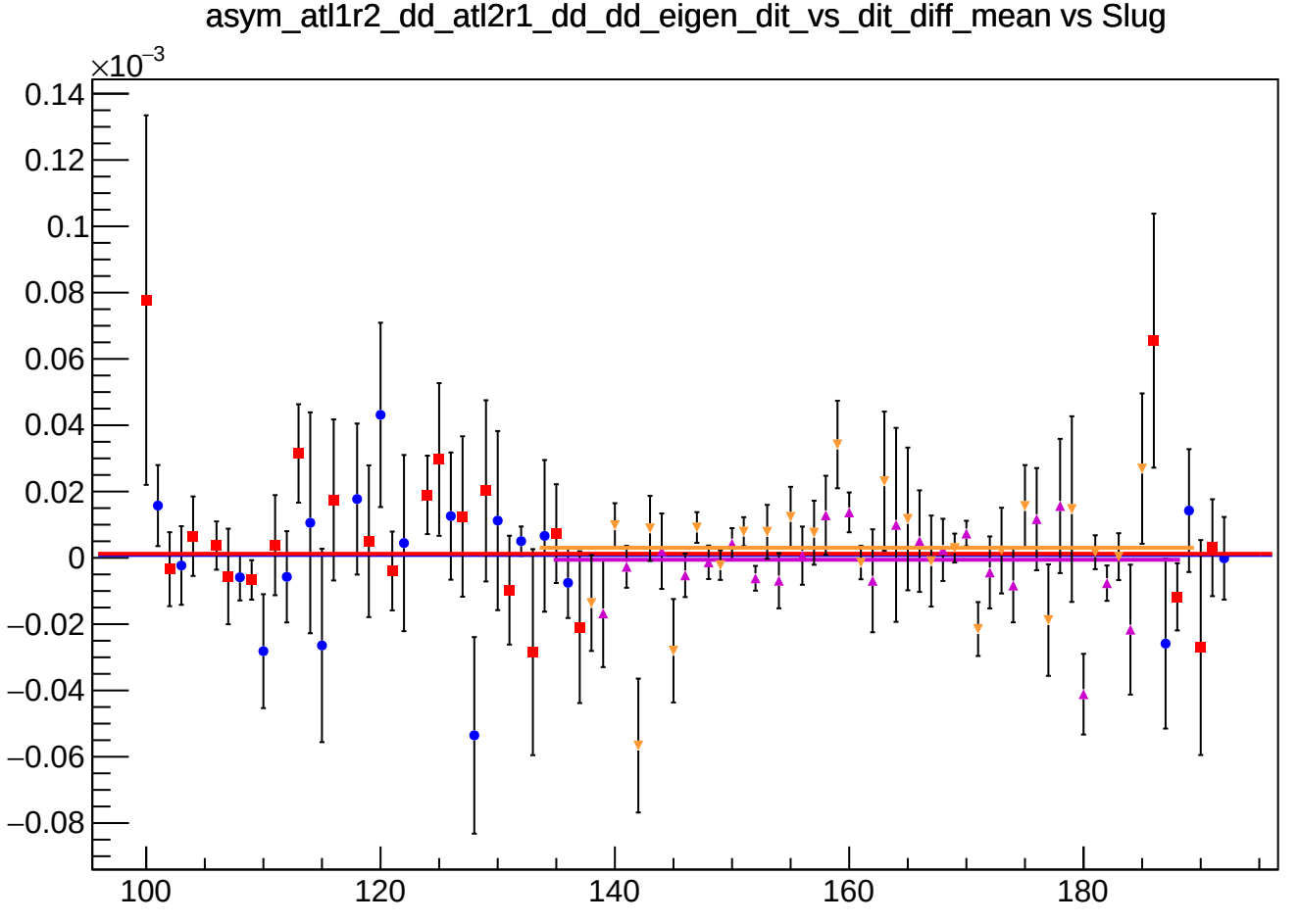
Right Out: 119.726+/-0.031 χ^2/NDF: 2481719.2/22

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.023+/-0.030 χ^2/NDF: 11298805.5/43

All: 179.540+/-0.020 χ^2/NDF: 25225278.3/89

- sign 166.400+/-0.027 χ^2/NDF: 13373141.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

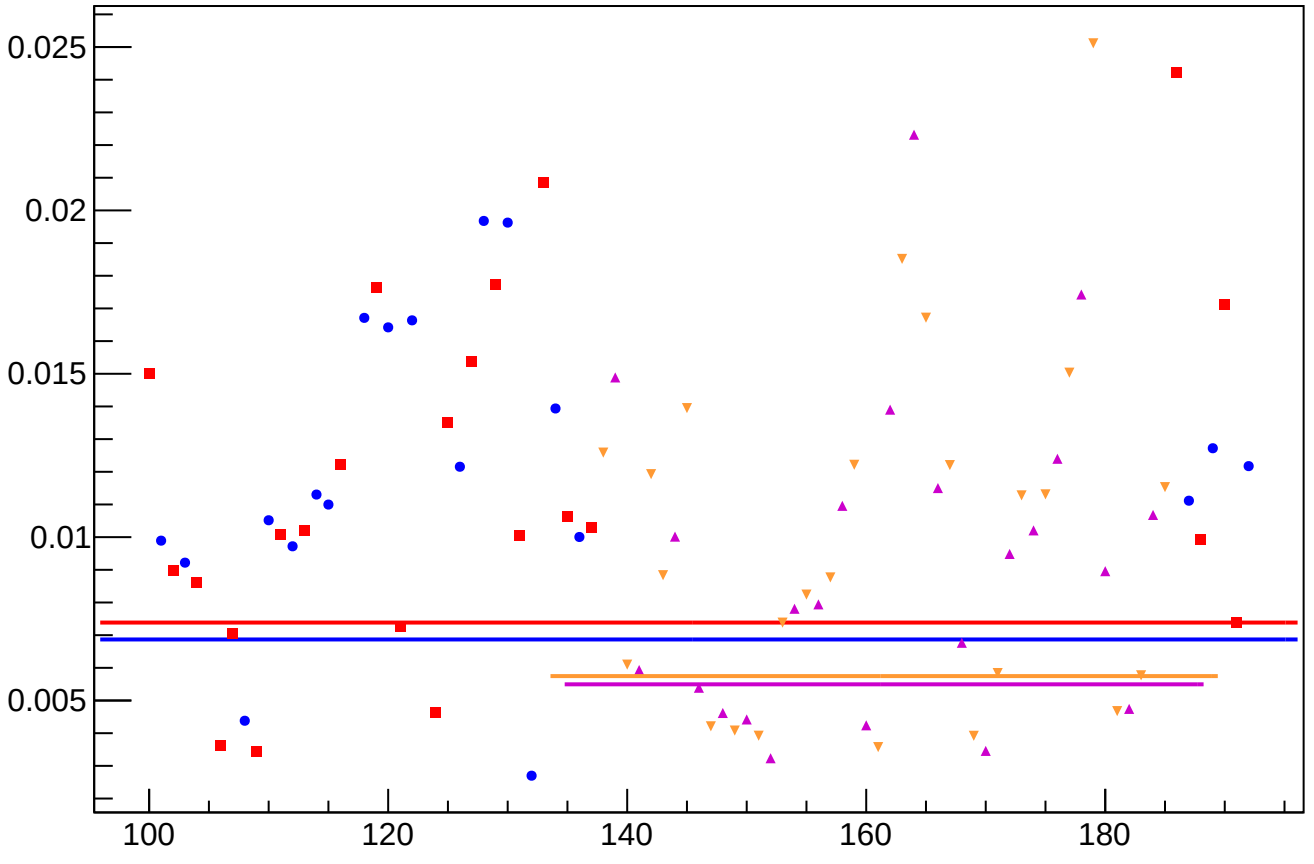
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/22

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.2/43

All: 0.000+/-0.000 χ^2/NDF: 116.1/89

- sign -0.000+/-0.000 χ^2/NDF: 54.9/45



Right In: 0.007+/-0.000 χ^2/NDF: 5313715.3/18

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

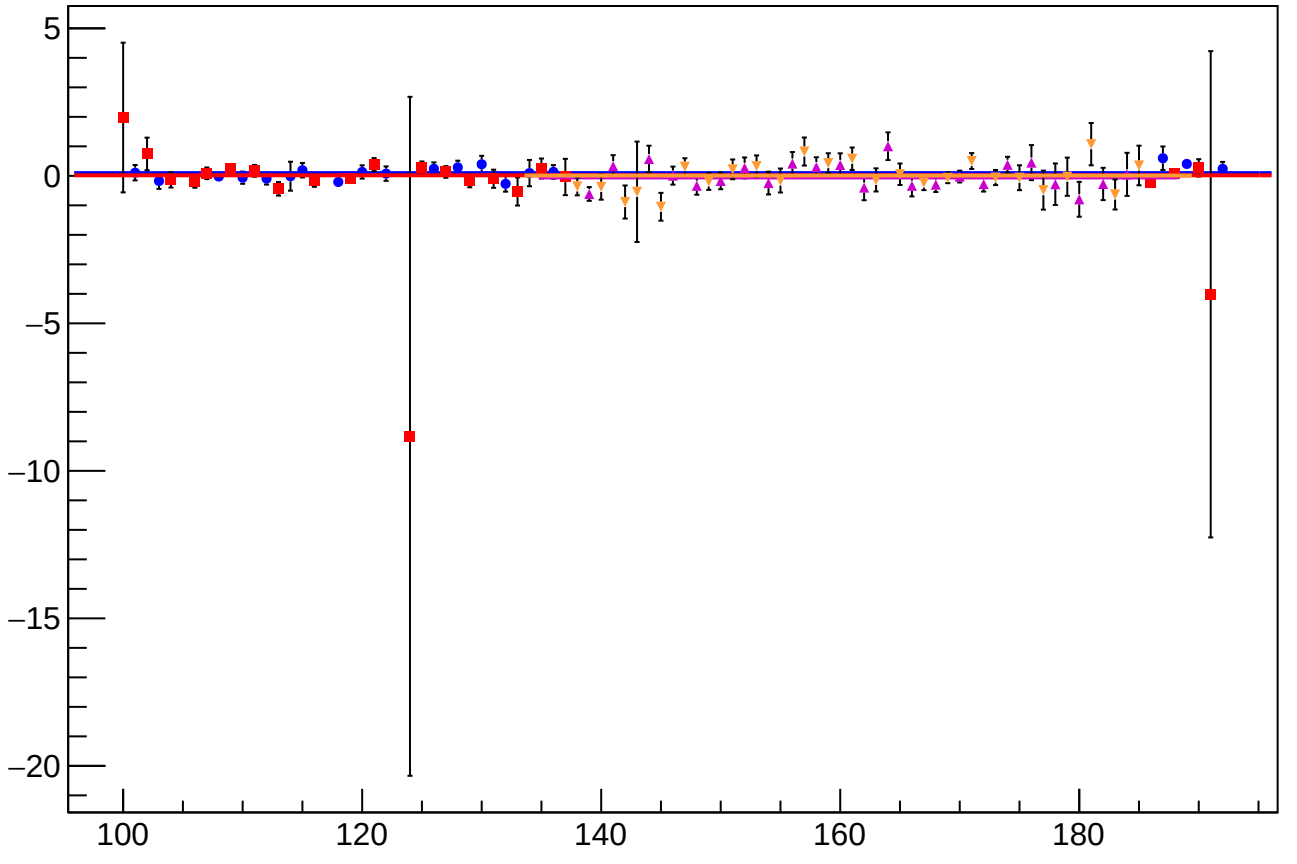
Right Out: 0.007+/-0.000 χ^2/NDF: 4140337.9/22

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 13689818.3/43

All: 0.006+/-0.000 χ^2/NDF: 25469920.2/89

\- sign 0.006+/-0.000 χ^2/NDF: 11776283.1/45



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

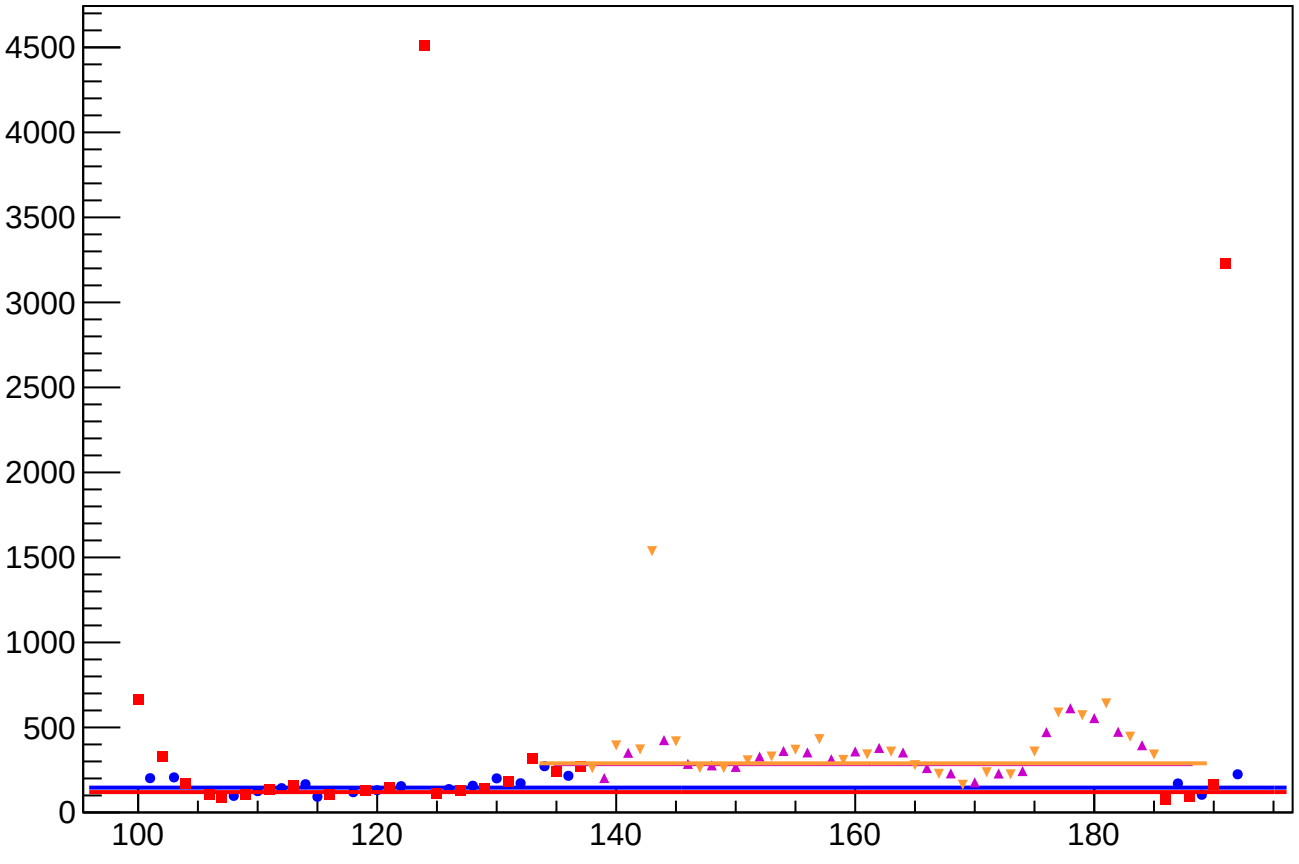
Right Out: 0.019+/-0.044 χ^2/NDF: 25.7/22

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.027+/-0.028 χ^2/NDF: 102.3/89

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45



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

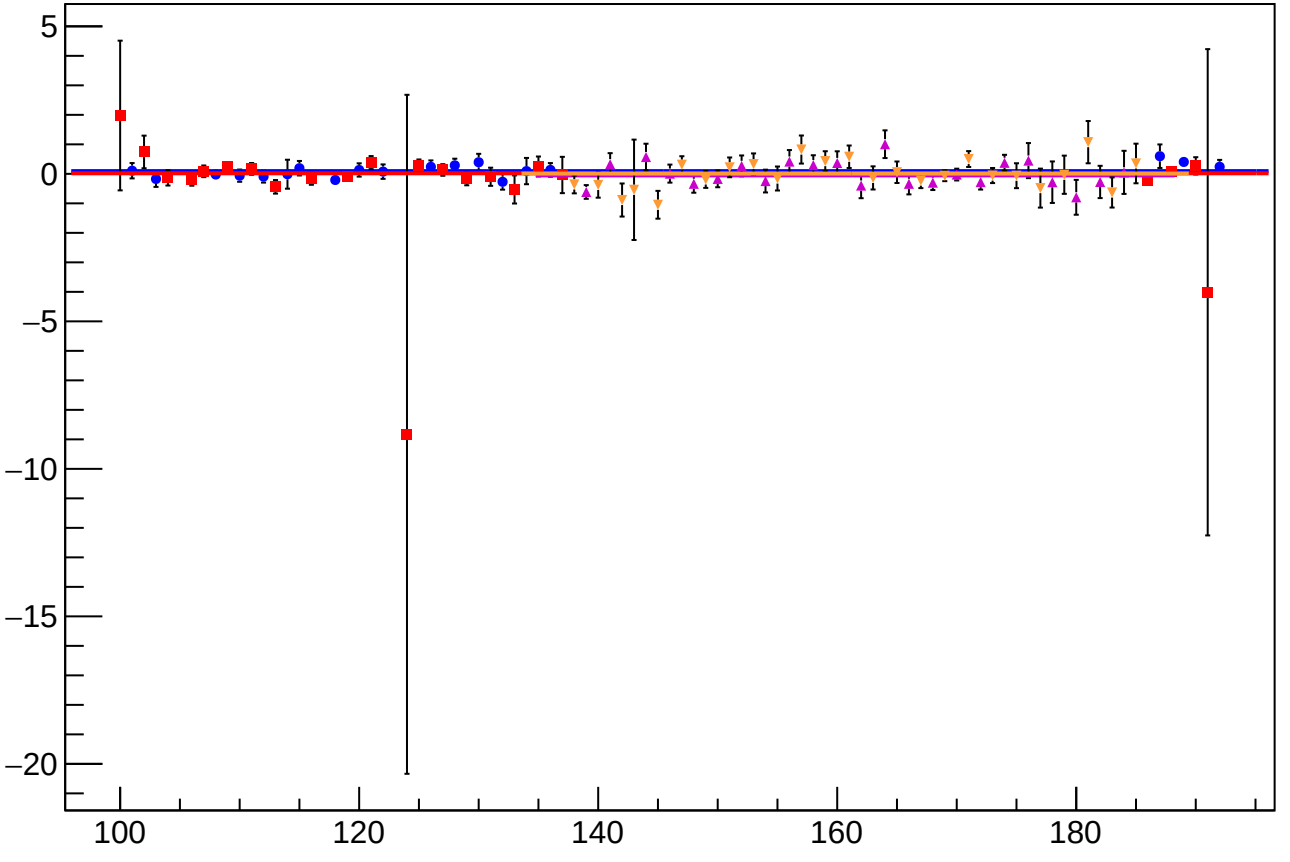
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.022+/-0.030 χ^2/NDF: 11299012.6/43

All: 179.541+/-0.020 χ^2/NDF: 25225204.0/89

- sign 166.402+/-0.027 χ^2/NDF: 13372962.0/45

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

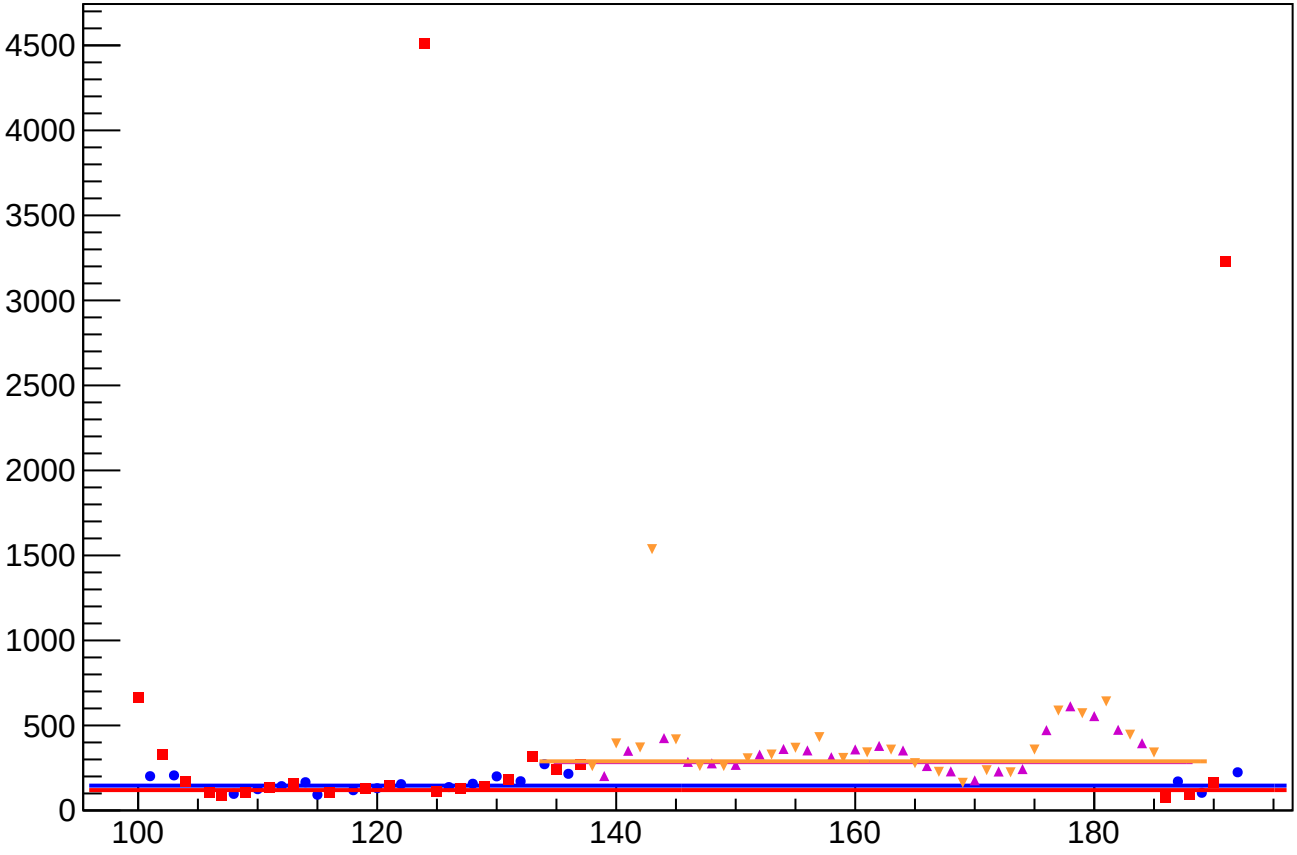
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.027+/-0.028 χ^2/NDF: 102.3/89

- sign -0.002+/-0.038 χ^2/NDF: 54.2/45

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 146.020+/-0.037 χ^2/NDF: 1386330.7/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

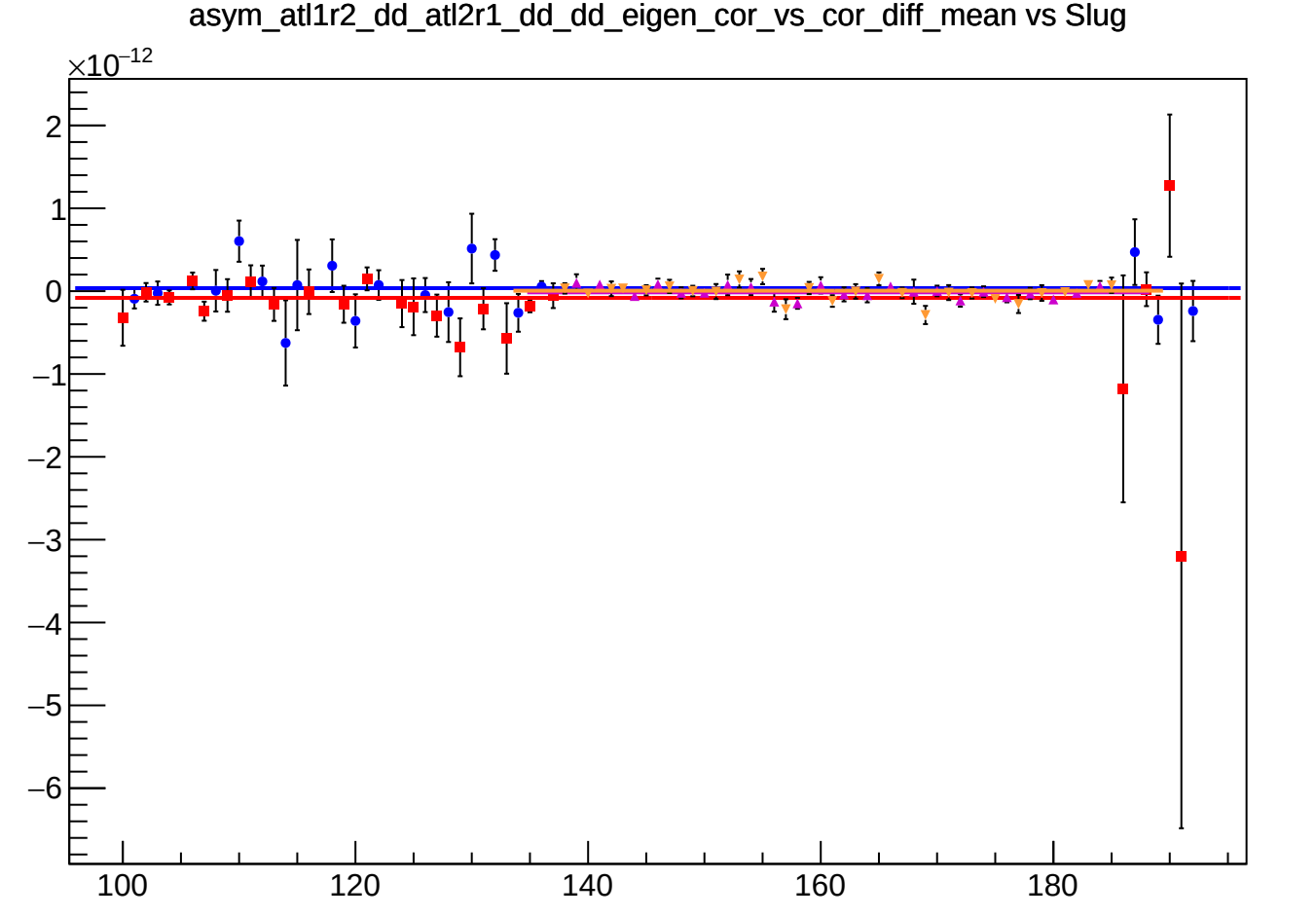
Right Out: 119.727+/-0.031 χ^2/NDF: 2481570.6/22

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.022+/-0.030 χ^2/NDF: 11299012.6/43

All: 179.541+/-0.020 χ^2/NDF: 25225204.0/89

- sign 166.402+/-0.027 χ^2/NDF: 13372962.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

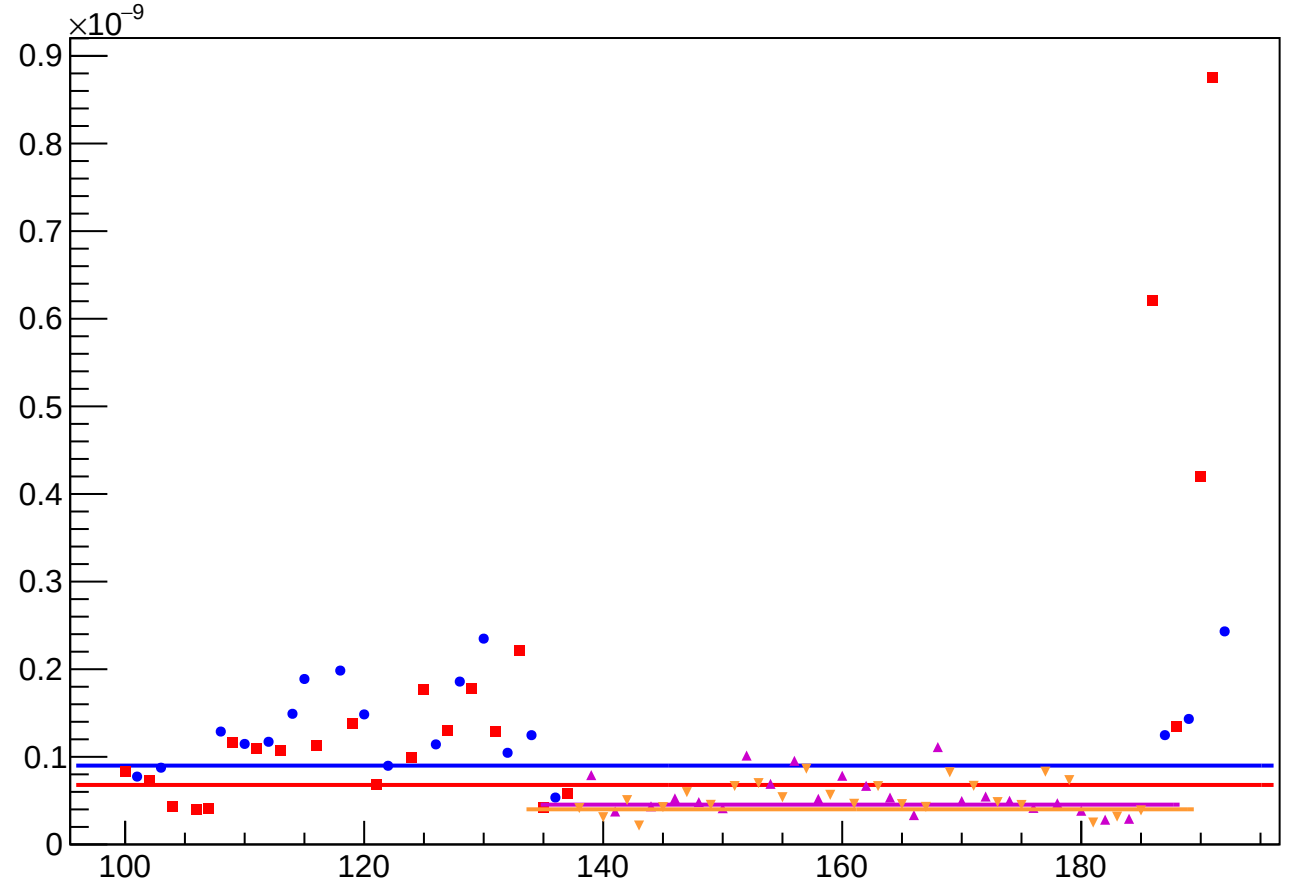
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/22

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.2/43

All: -0.000+/-0.000 χ^2/NDF: 109.7/89

- sign -0.000+/-0.000 χ^2/NDF: 49.1/45



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

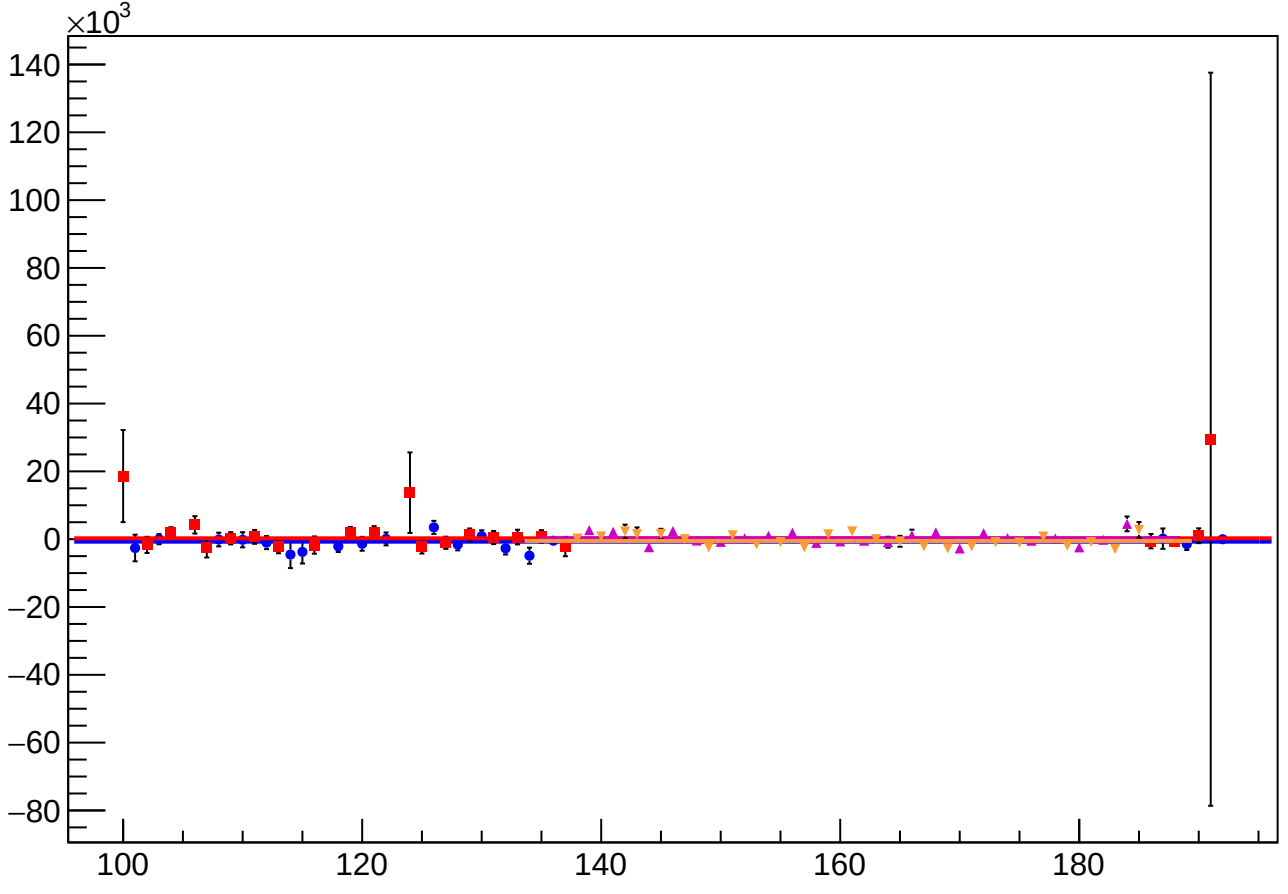
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8254510.5/43

All: 0.000+/-0.000 χ^2/NDF: 15104264.4/89

- sign 0.000+/-0.000 χ^2/NDF: 6712975.9/45

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



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

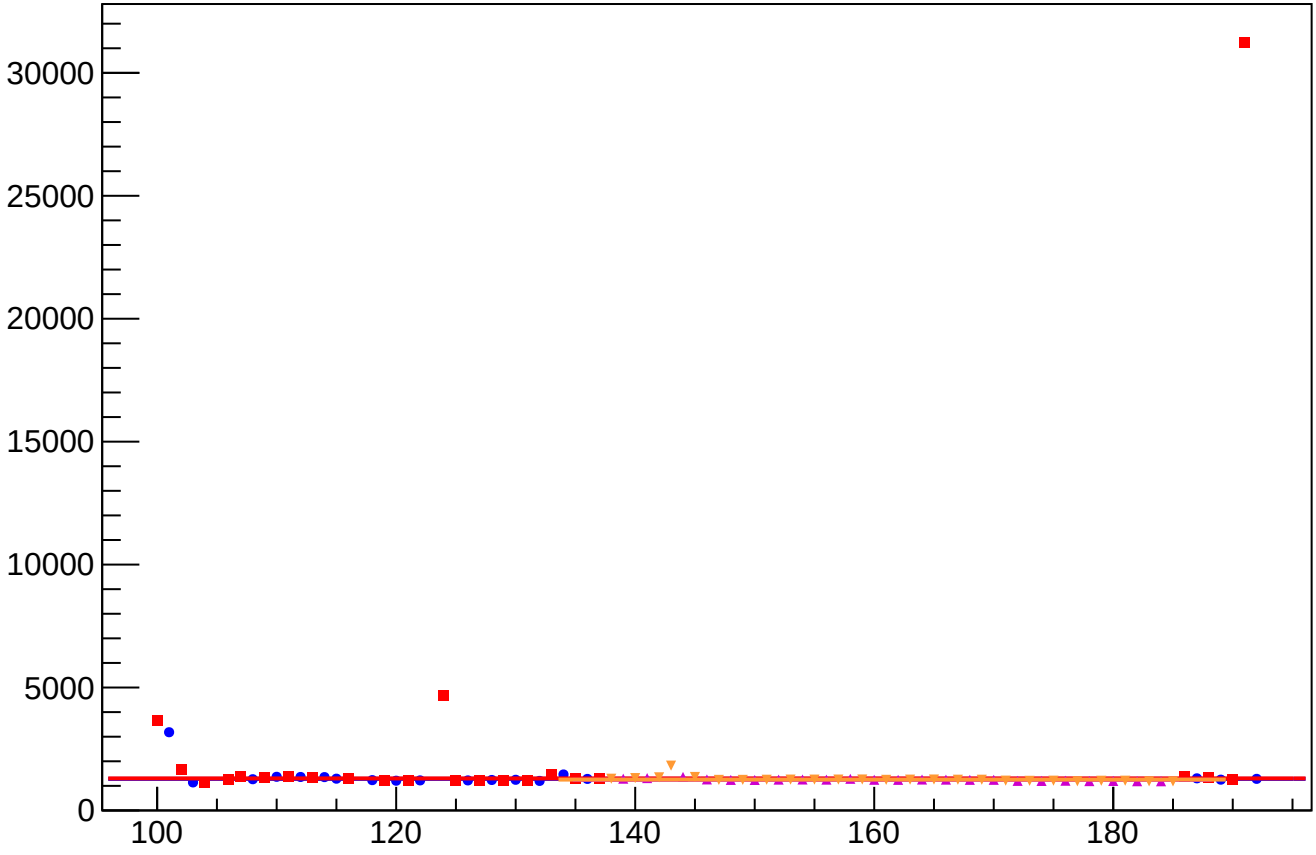
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -579.773+/-239.212 χ^2/NDF: 45.1/43

All: -171.667+/-170.333 χ^2/NDF: 99.4/89

- sign 248.069+/-242.597 χ^2/NDF: 48.4/45

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1284.288+/-0.309 χ^2/NDF: 518951.4/18

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

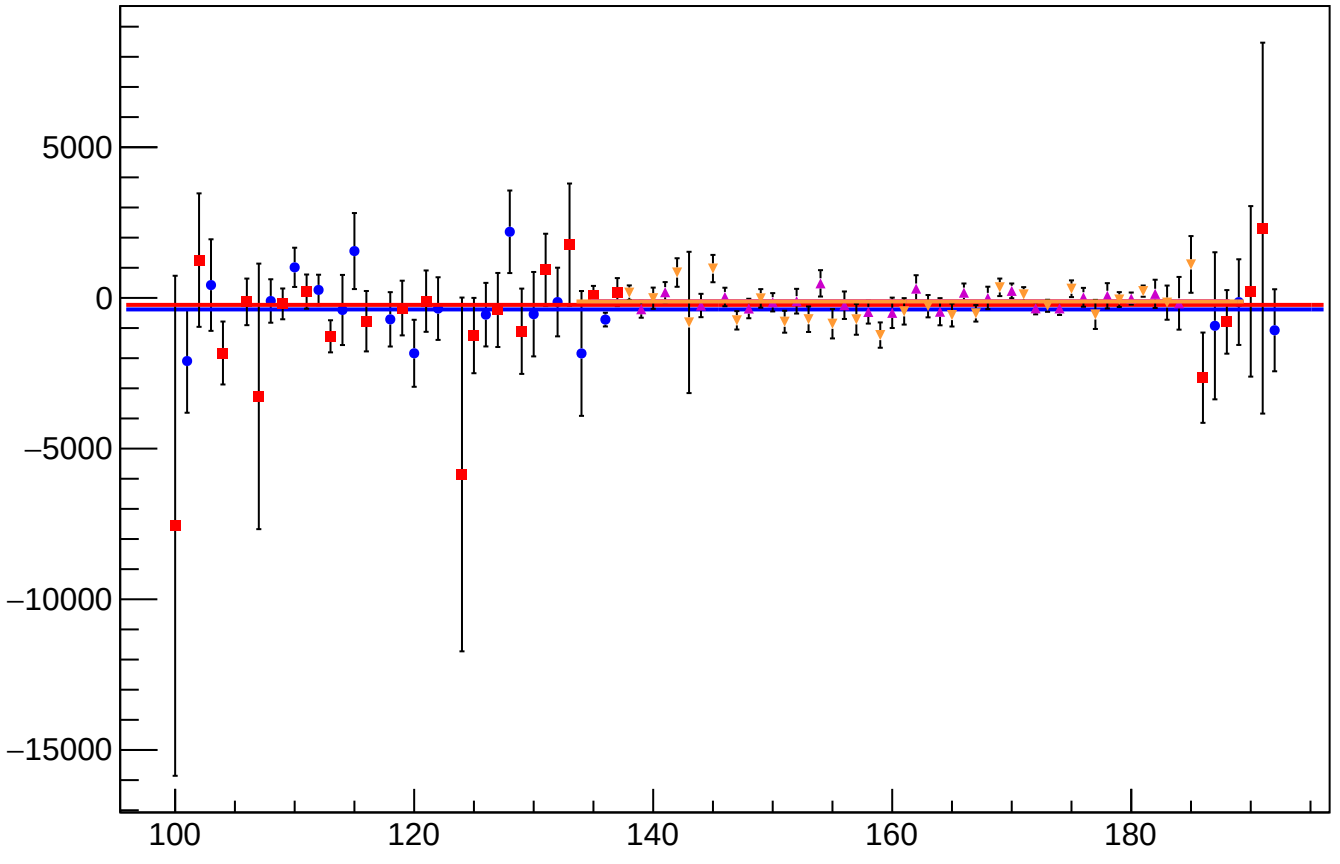
Right Out: 1303.079+/-0.310 χ^2/NDF: 488294.7/22

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.150+/-0.169 χ^2/NDF: 728154.0/43

All: 1263.929+/-0.120 χ^2/NDF: 1279521.9/89

- sign 1263.701+/-0.172 χ^2/NDF: 551364.4/45



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

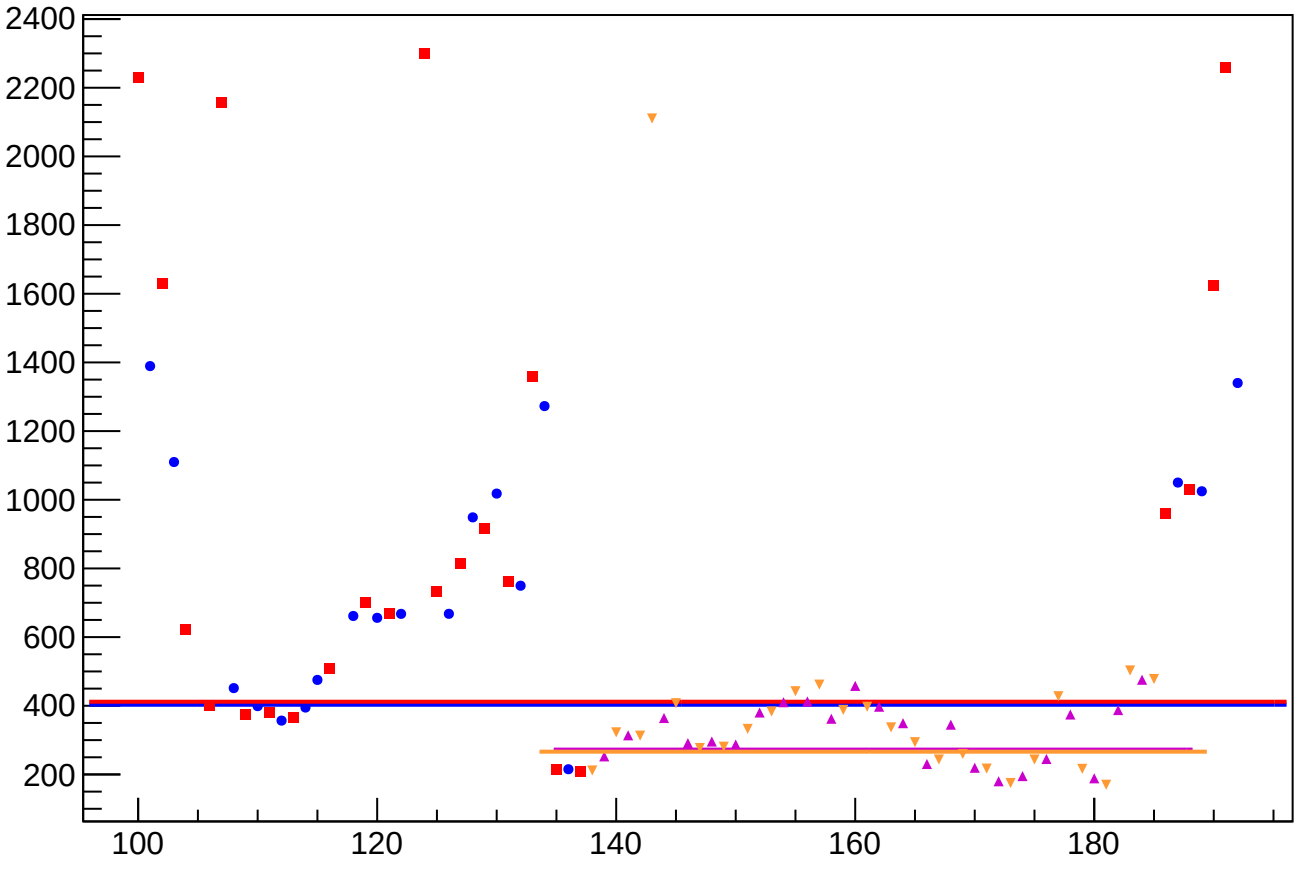
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -152.535+/-60.544 χ^2/NDF: 69.2/43

All: -138.953+/-43.362 χ^2/NDF: 101.3/89

- sign -124.650+/-62.133 χ^2/NDF: 32.0/45

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



Right In: 402.985+/-0.117 χ^2/NDF: 5709668.1/18

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

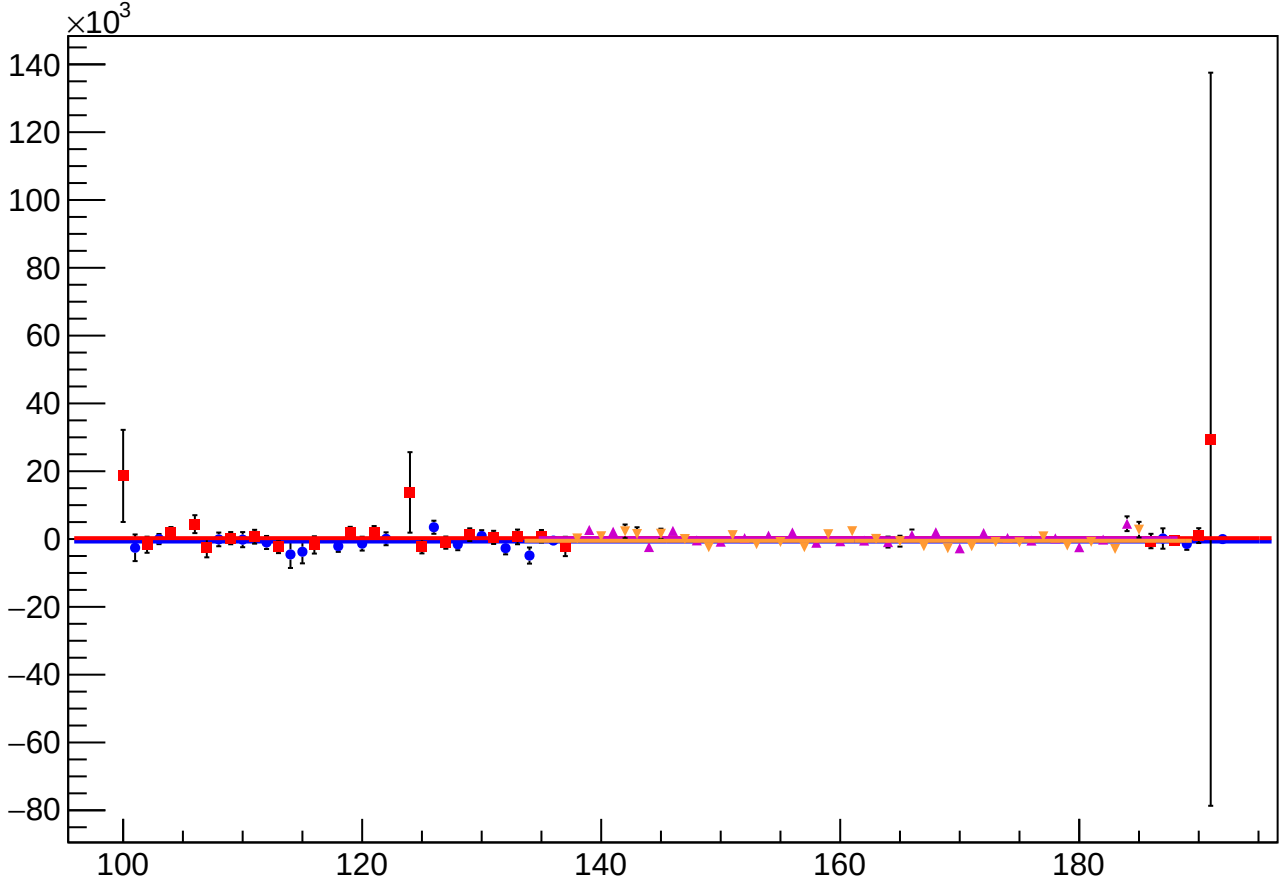
Right Out: 411.830+/-0.117 χ^2/NDF: 5613525.2/22

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 284.630+/-0.043 χ^2/NDF: 11522110.0/43

All: 288.169+/-0.031 χ^2/NDF: 21250861.1/89

- sign 291.896+/-0.044 χ^2/NDF: 9714718.9/45



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

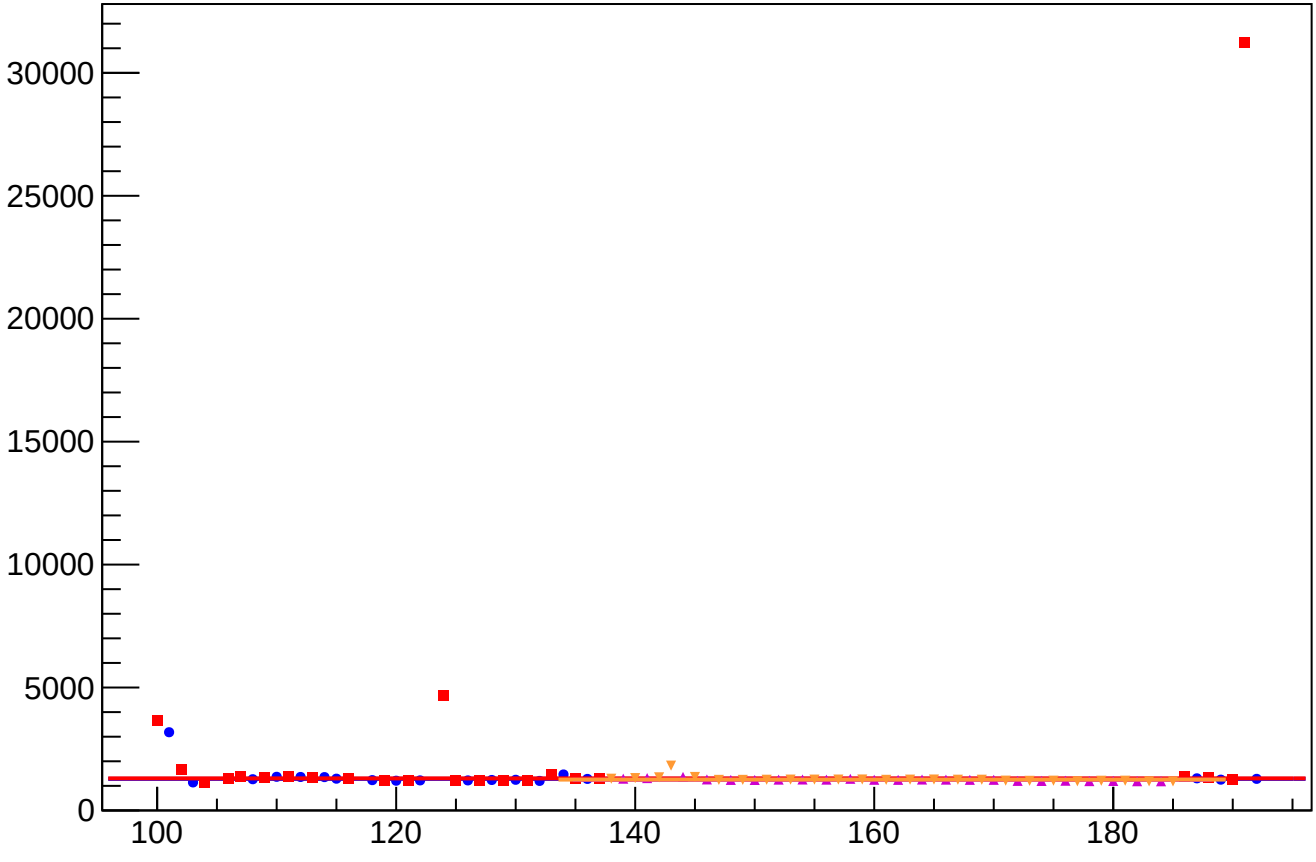
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -579.639+/-239.212 χ^2/NDF: 45.1/43

All: -172.066+/-170.355 χ^2/NDF: 99.5/89

- sign 247.348+/-242.662 χ^2/NDF: 48.5/45

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1284.287+/-0.309 χ^2/NDF: 518952.8/18

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

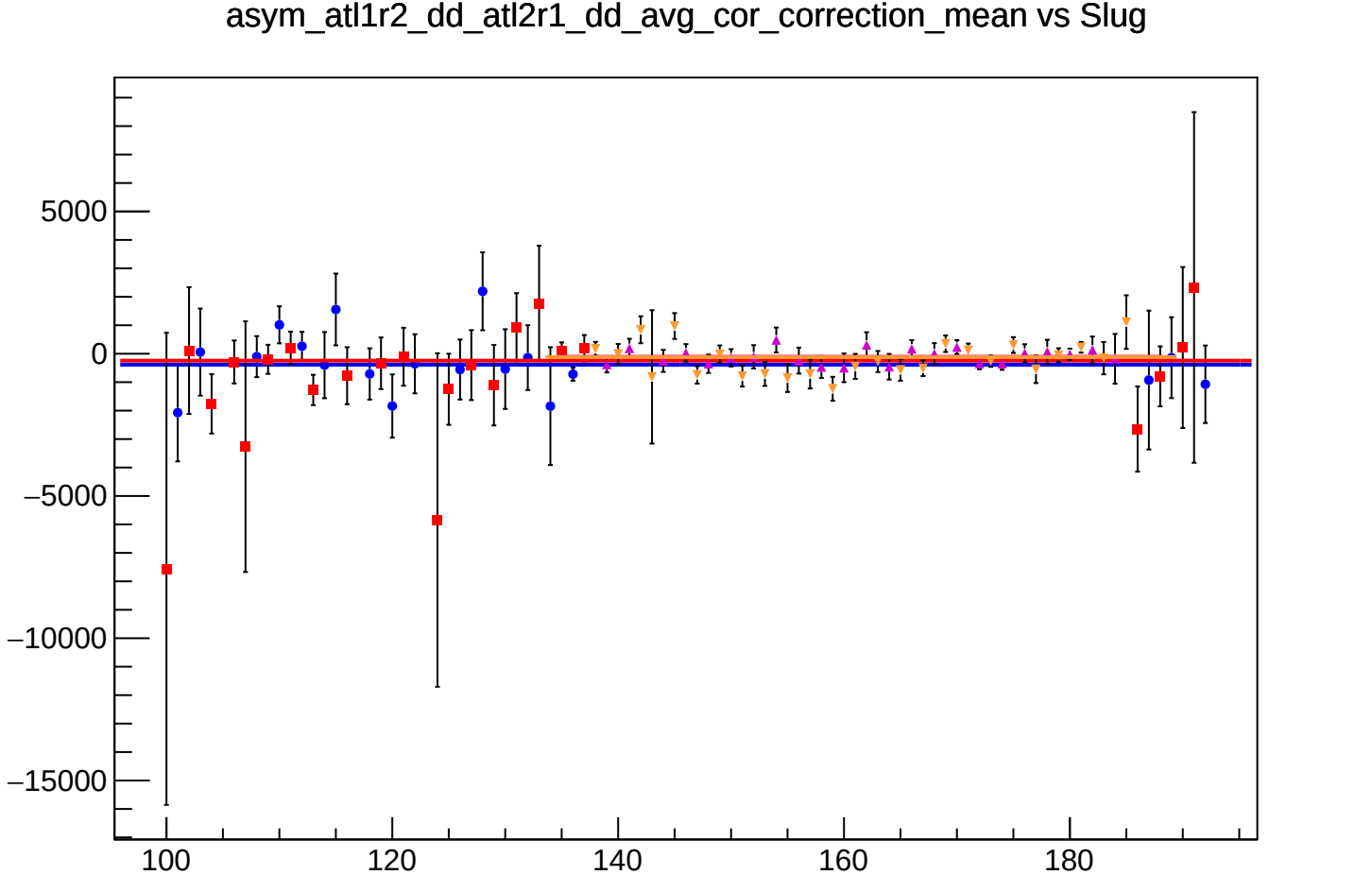
Right Out: 1304.275+/-0.310 χ^2/NDF: 487793.5/22

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.150+/-0.169 χ^2/NDF: 728155.3/43

All: 1264.098+/-0.120 χ^2/NDF: 1279977.8/89

- sign 1264.045+/-0.172 χ^2/NDF: 551822.2/45



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

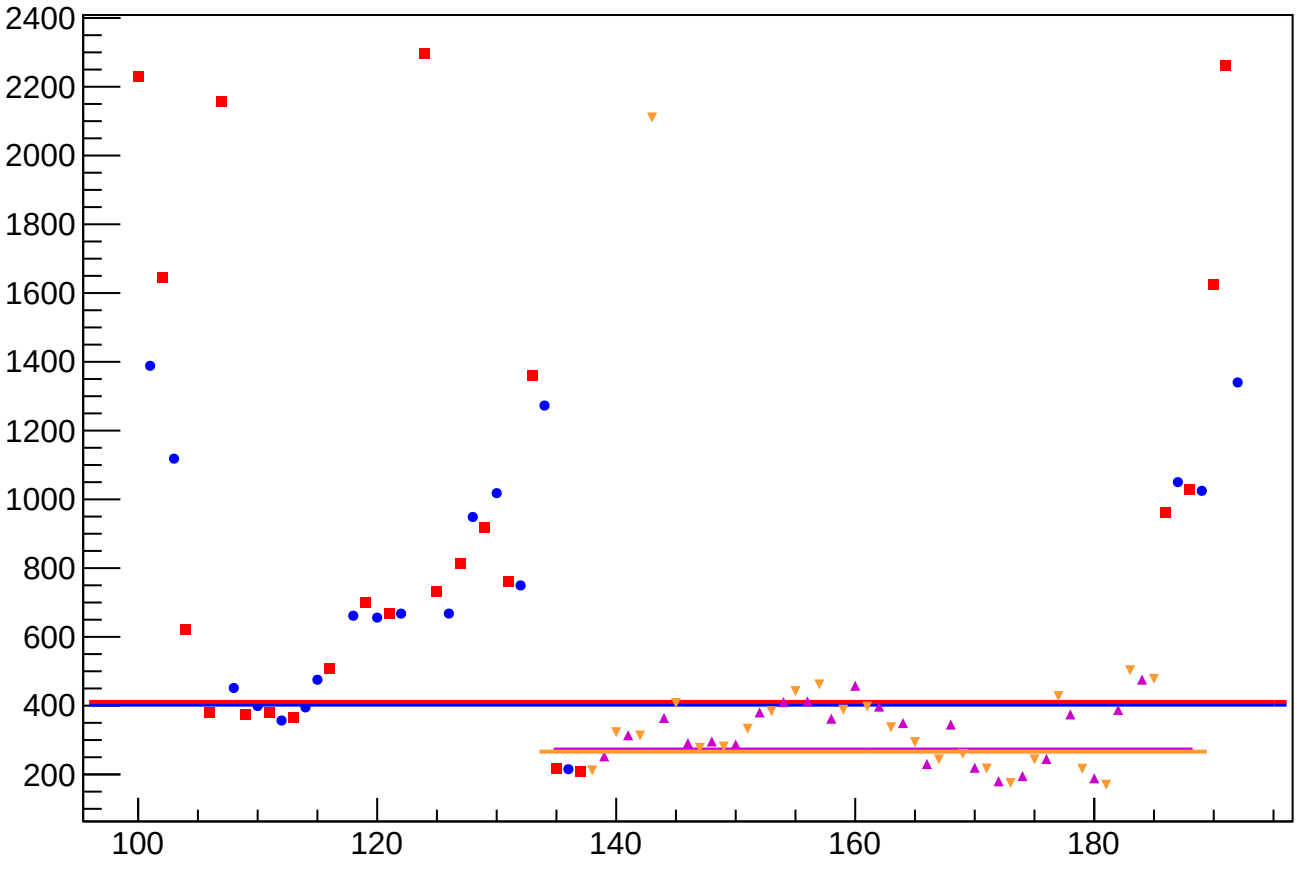
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -153.082+/-60.546 χ^2/NDF: 69.0/43

All: -140.156+/-43.360 χ^2/NDF: 100.6/89

- sign -126.548+/-62.125 χ^2/NDF: 31.5/45

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug



Right In: 402.982+/-0.117 χ^2/NDF: 5712832.6/18

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

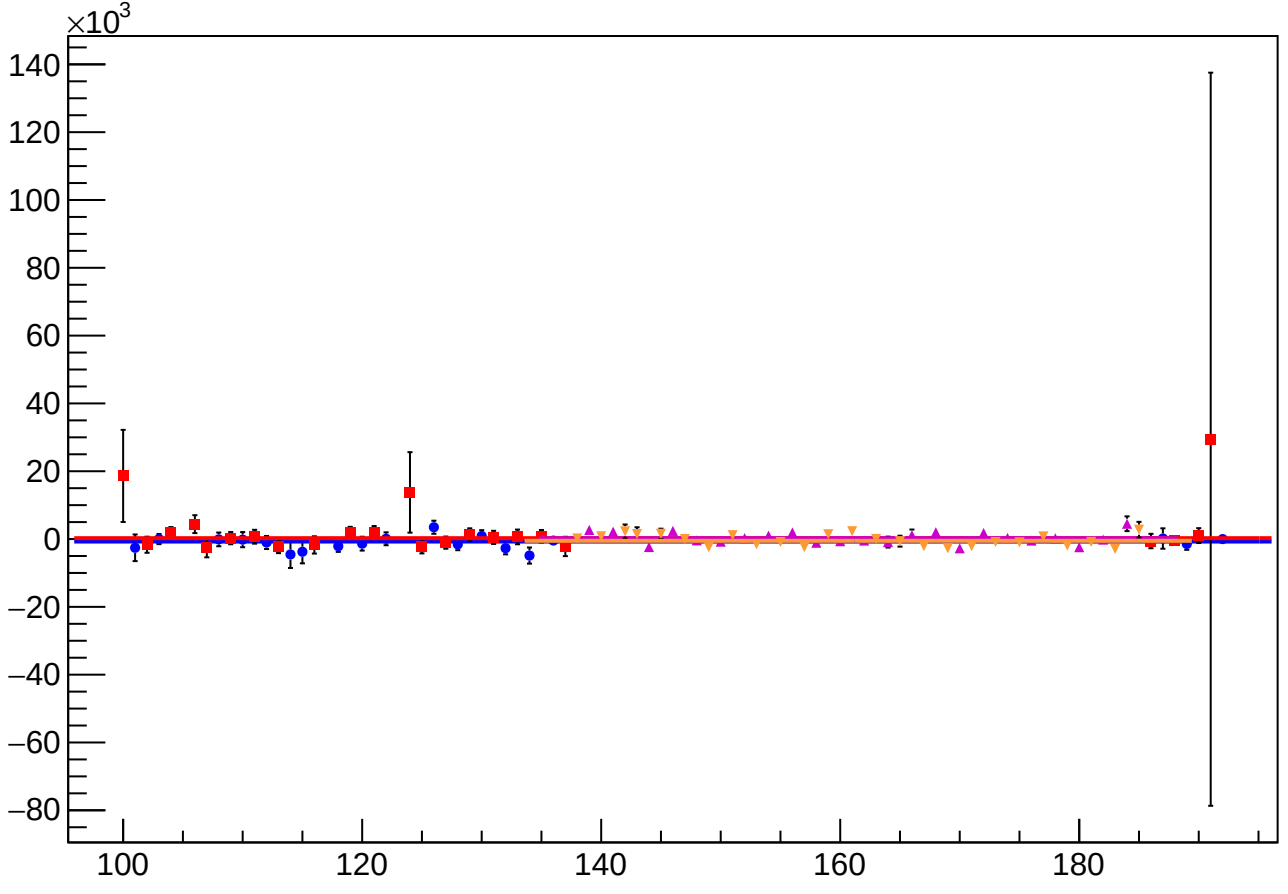
Right Out: 410.866+/-0.117 χ^2/NDF: 5623032.0/22

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 284.631+/-0.043 χ^2/NDF: 11524932.4/43

All: 288.127+/-0.031 χ^2/NDF: 21248019.1/89

- sign 291.808+/-0.044 χ^2/NDF: 9709398.6/45



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

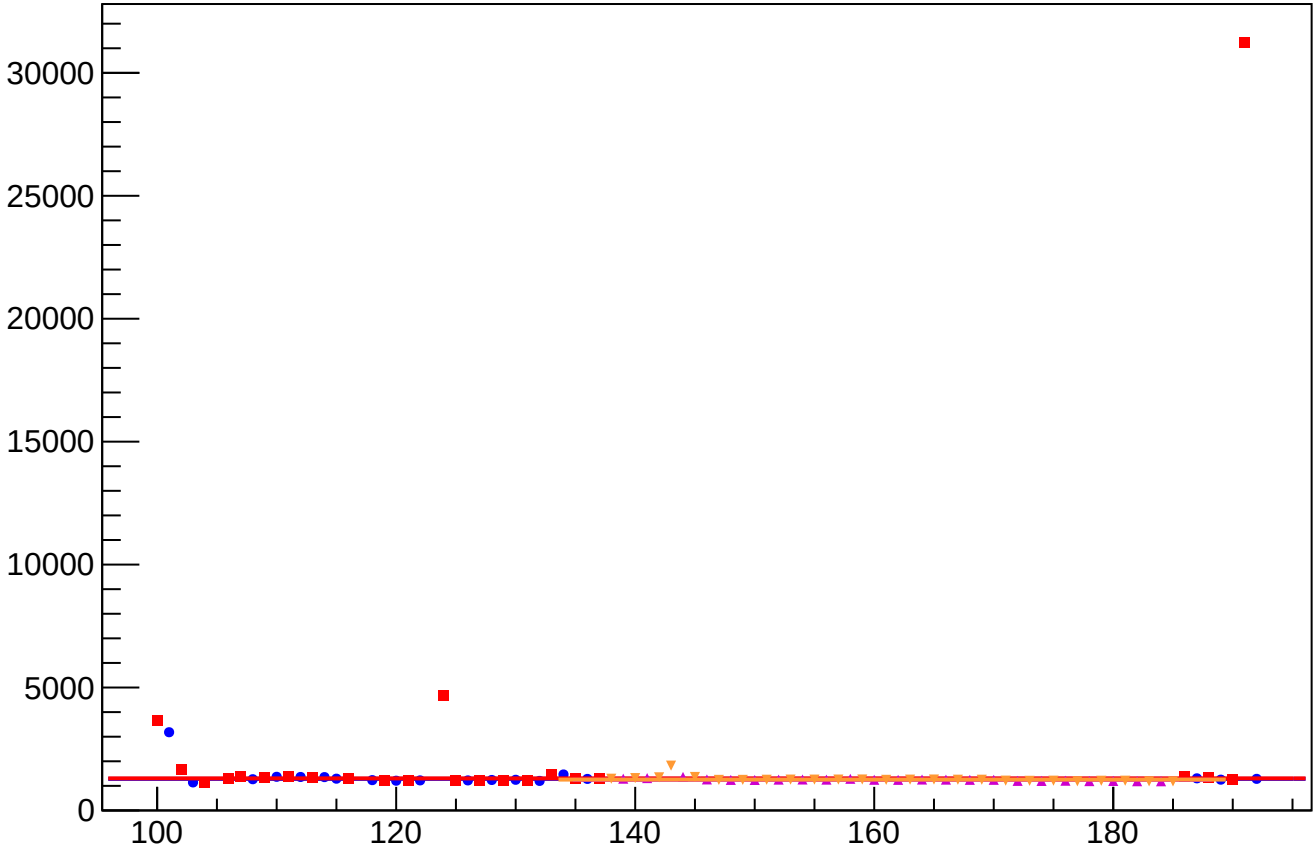
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -579.639+/-239.212 χ^2/NDF: 45.1/43

All: -172.066+/-170.355 χ^2/NDF: 99.5/89

- sign 247.348+/-242.662 χ^2/NDF: 48.5/45

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1284.287+/-0.309 χ^2/NDF: 518952.8/18

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

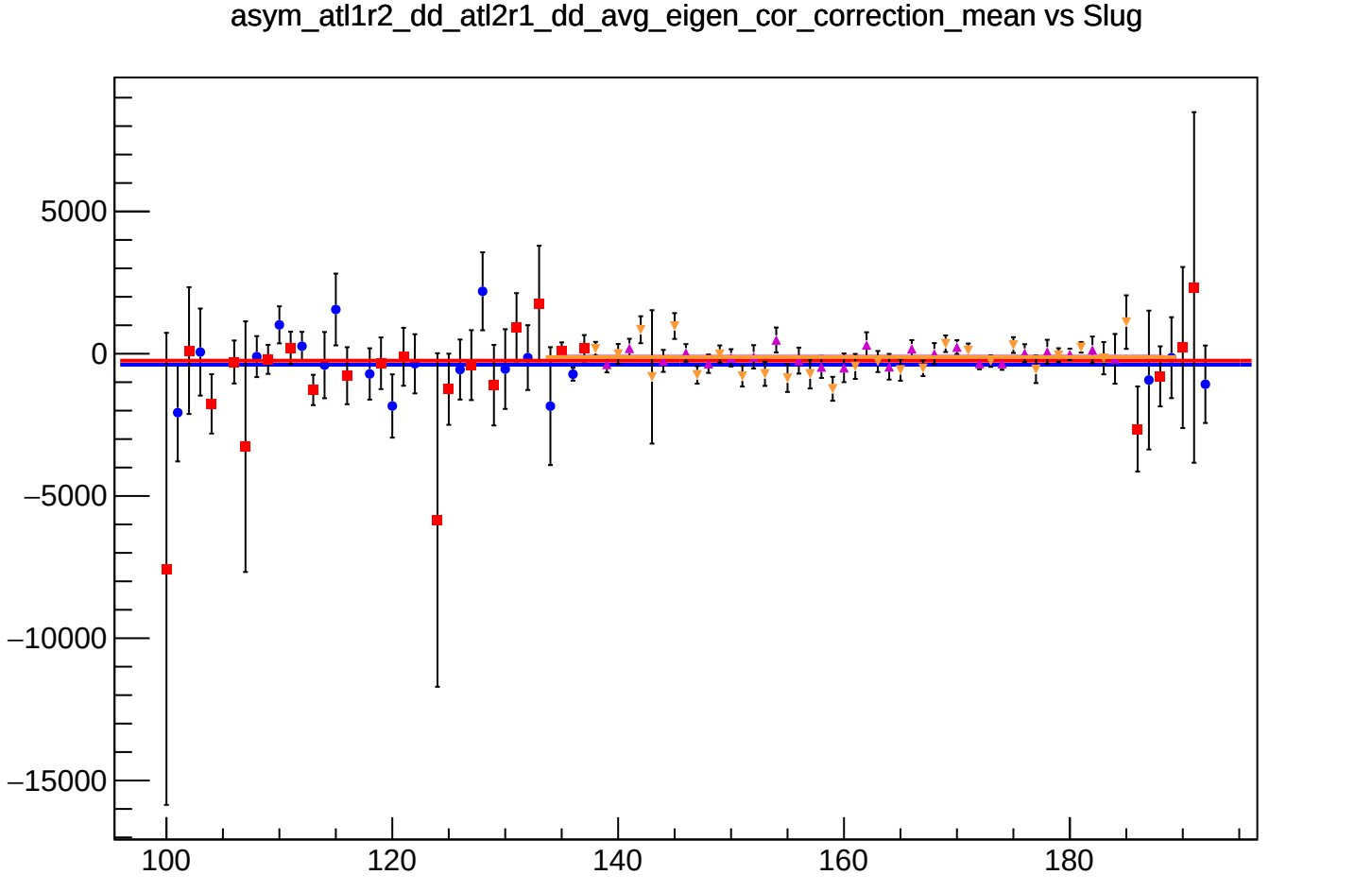
Right Out: 1304.275+/-0.310 χ^2/NDF: 487793.5/22

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

\+ sign 1264.150+/-0.169 χ^2/NDF: 728155.3/43

All: 1264.098+/-0.120 χ^2/NDF: 1279977.8/89

\- sign 1264.045+/-0.172 χ^2/NDF: 551822.2/45



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

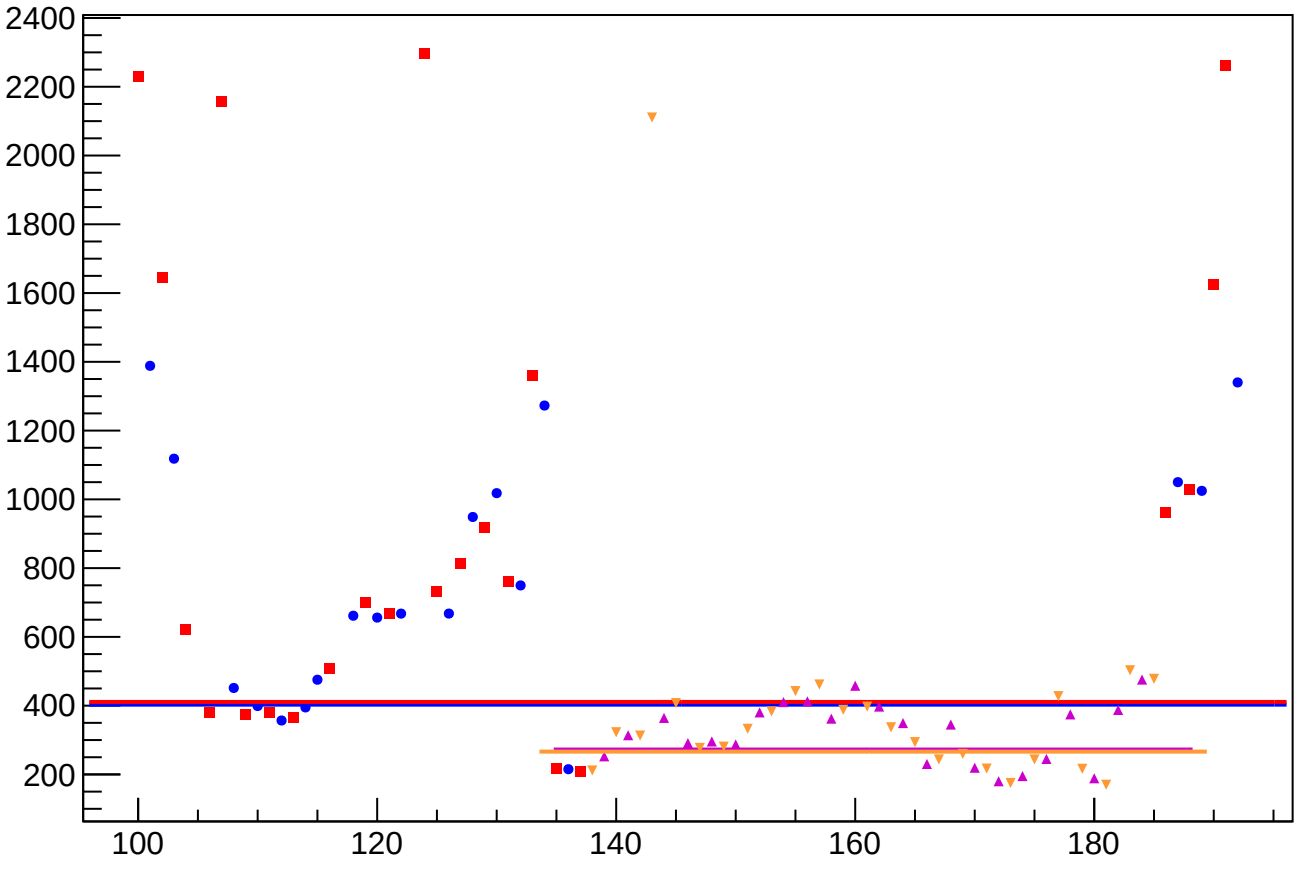
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -153.082+/-60.546 χ^2/NDF: 69.0/43

All: -140.156+/-43.360 χ^2/NDF: 100.6/89

- sign -126.548+/-62.125 χ^2/NDF: 31.5/45

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug



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

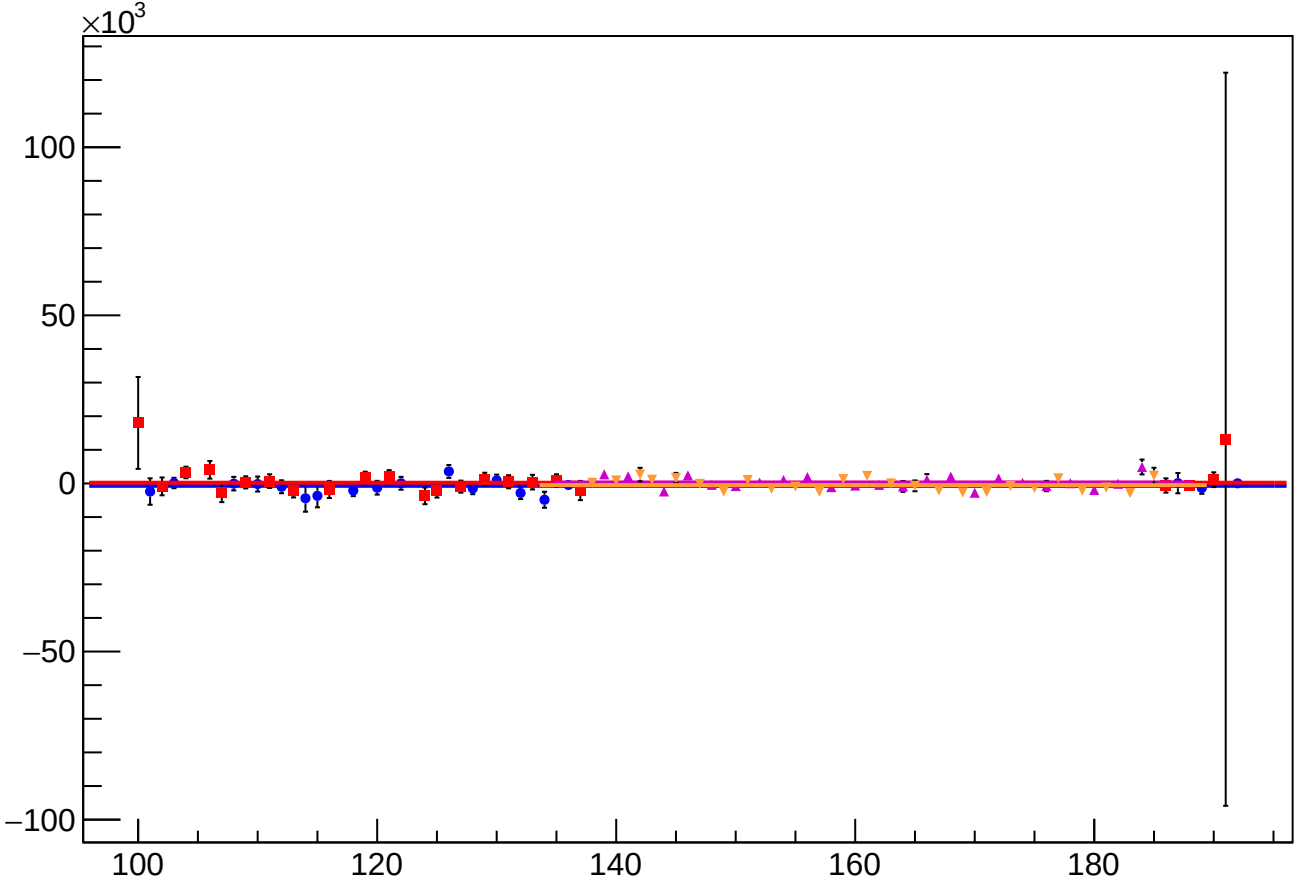
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 284.631+/-0.043 χ^2/NDF: 11524932.4/43

All: 288.127+/-0.031 χ^2/NDF: 21248019.1/89

- sign 291.808+/-0.044 χ^2/NDF: 9709398.6/45

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



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

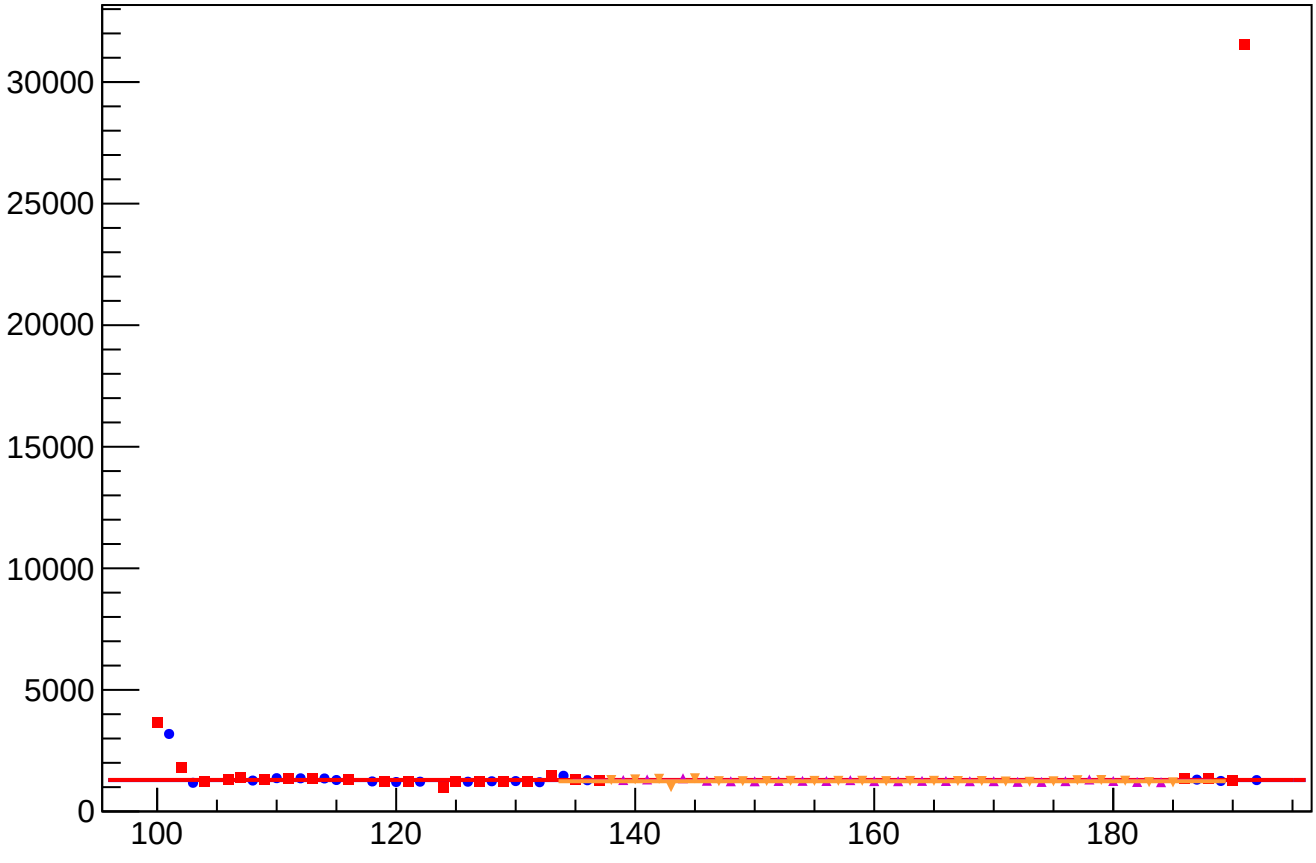
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -554.312+/-237.603 χ^2/NDF: 48.5/43

All: -170.452+/-170.238 χ^2/NDF: 103.2/89

- sign 234.456+/-244.030 χ^2/NDF: 49.3/45

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1289.643+/-0.310 χ^2/NDF: 510361.1/18

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

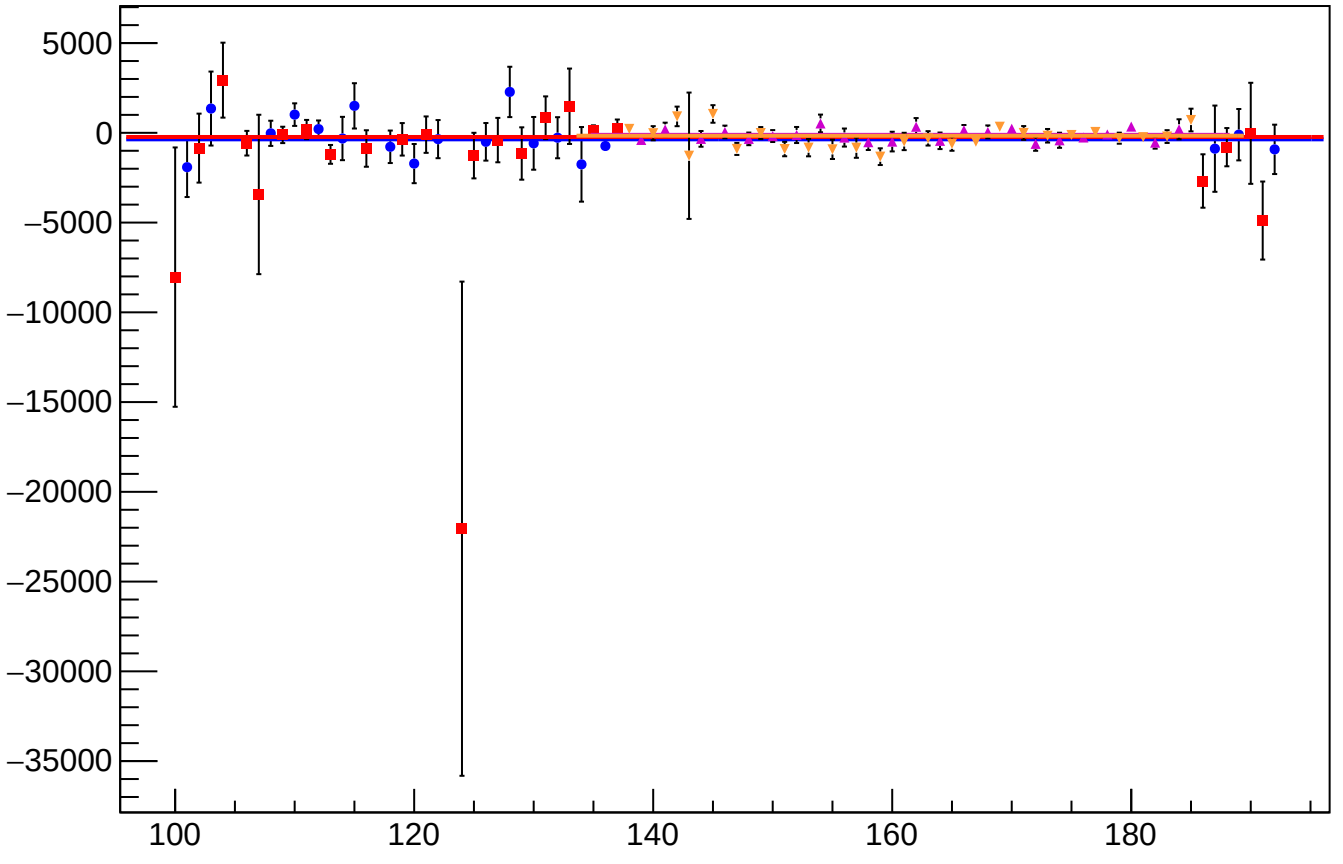
Right Out: 1296.757+/-0.309 χ^2/NDF: 371558.9/22

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1256.377+/-0.168 χ^2/NDF: 656691.9/43

All: 1263.764+/-0.120 χ^2/NDF: 1069856.5/89

- sign 1271.556+/-0.173 χ^2/NDF: 409192.4/45



Right In: -362.710+/-167.122 χ^2/NDF: 18.7/18

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

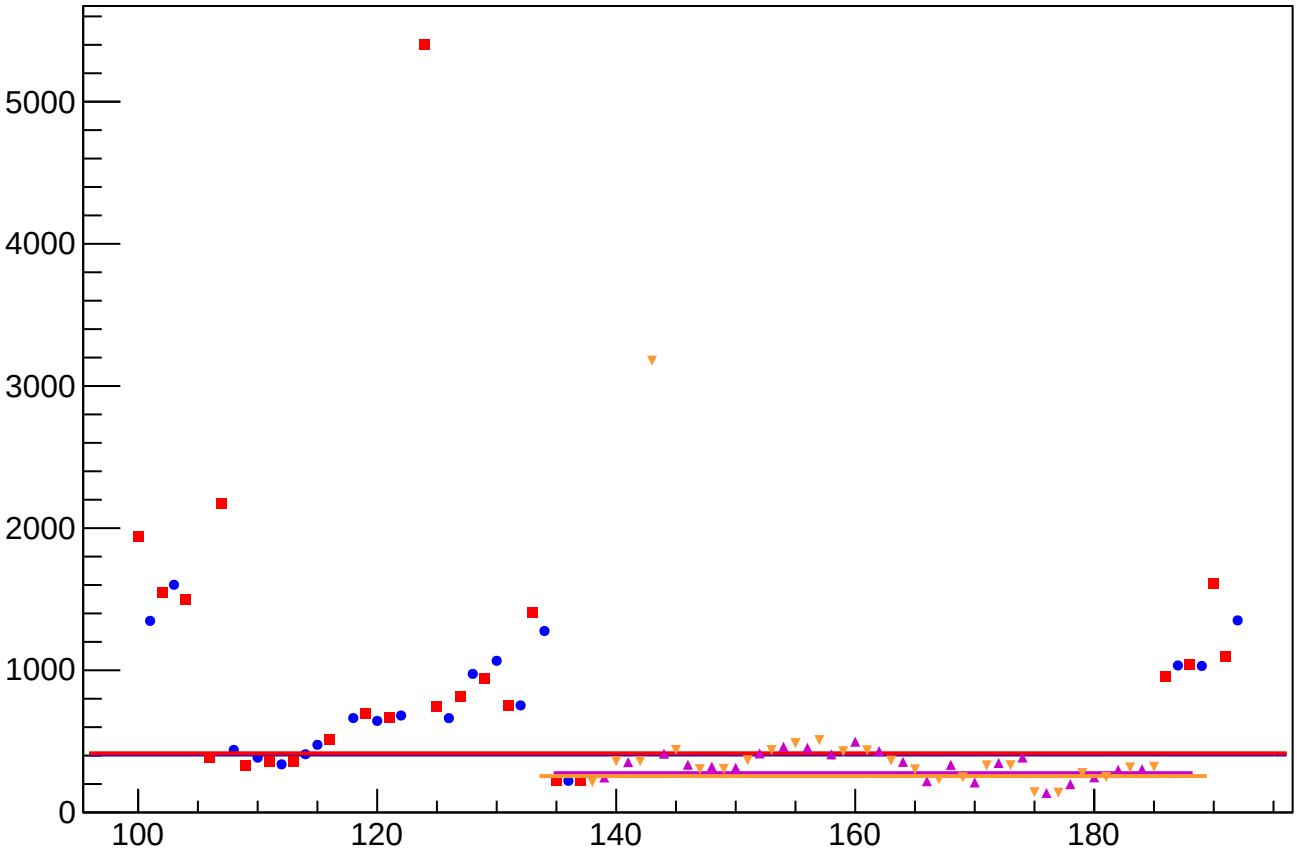
Right Out: -231.797+/-165.727 χ^2/NDF: 23.6/22

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -186.830+/-59.875 χ^2/NDF: 63.7/43

All: -160.632+/-43.587 χ^2/NDF: 106.4/89

- sign -131.097+/-63.574 χ^2/NDF: 42.2/45



Right In: 407.678+/-0.118 χ^2/NDF: 5821860.0/18

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

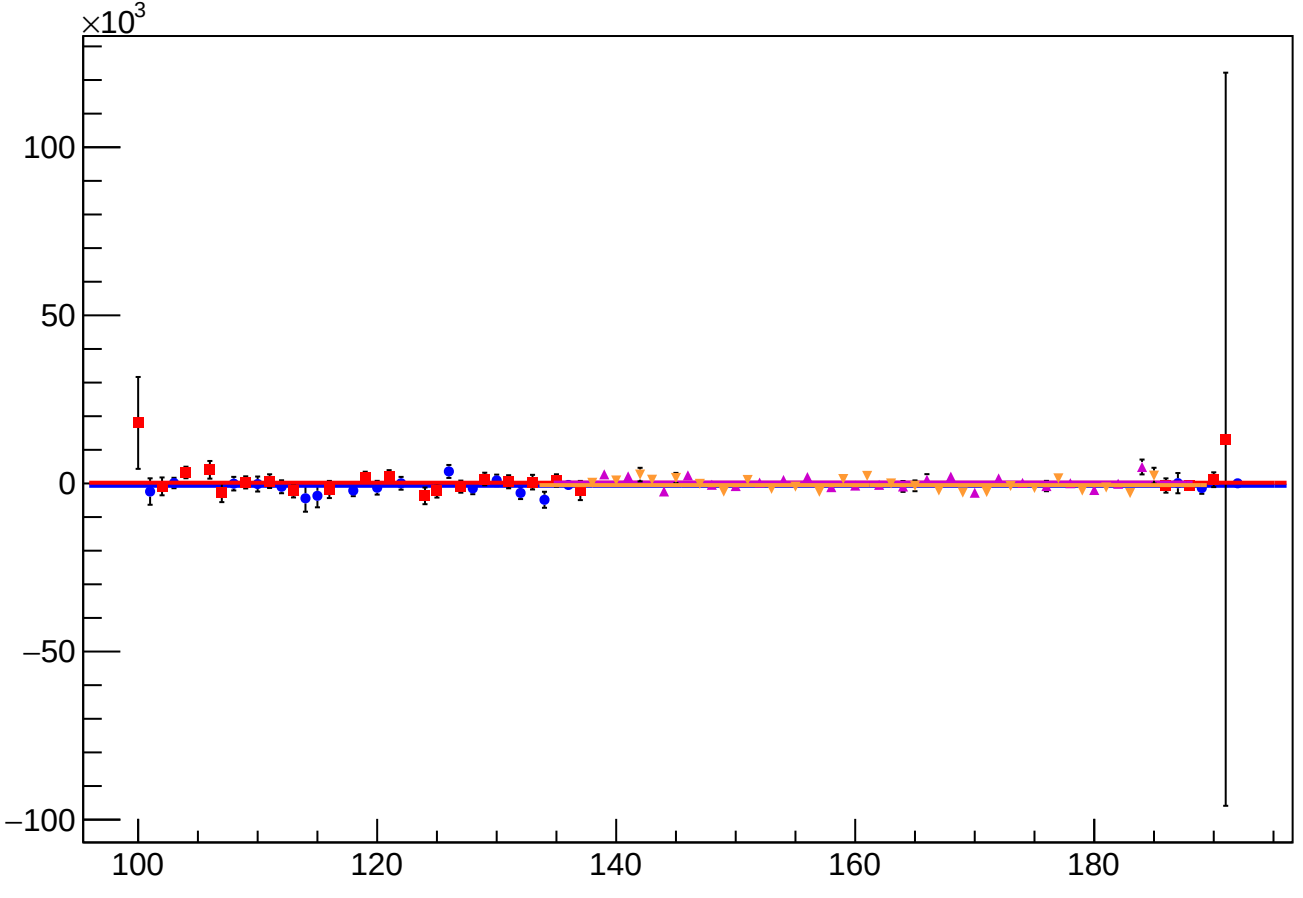
Right Out: 416.002+/-0.117 χ^2/NDF: 6135867.1/22

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 275.267+/-0.042 χ^2/NDF: 13636154.2/43

All: 285.416+/-0.031 χ^2/NDF: 25133740.7/89

- sign 296.856+/-0.045 χ^2/NDF: 11375360.3/45



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

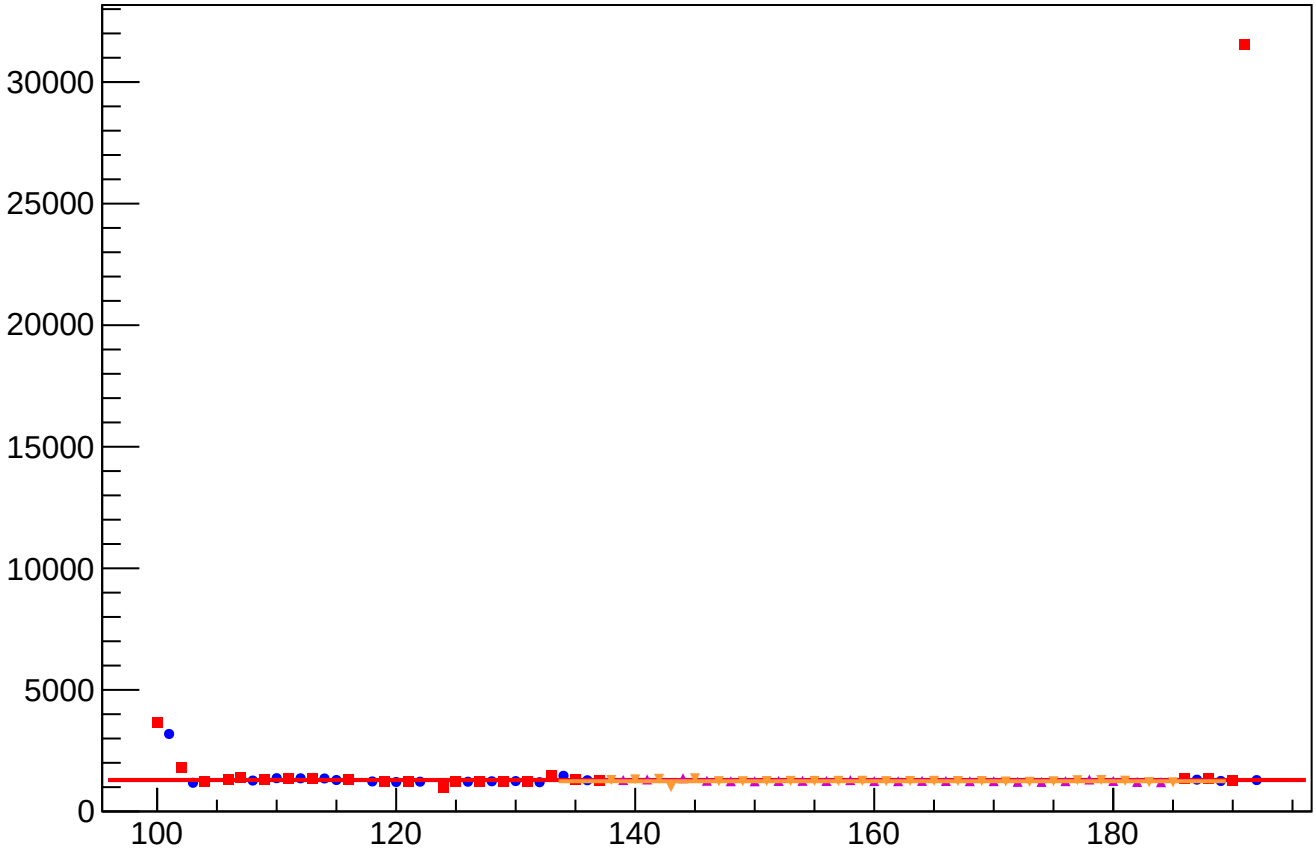
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -554.312+/-237.603 χ^2/NDF: 48.5/43

All: -170.452+/-170.238 χ^2/NDF: 103.2/89

- sign 234.456+/-244.030 χ^2/NDF: 49.3/45

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1289.643+/-0.310 χ^2/NDF: 510361.1/18

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

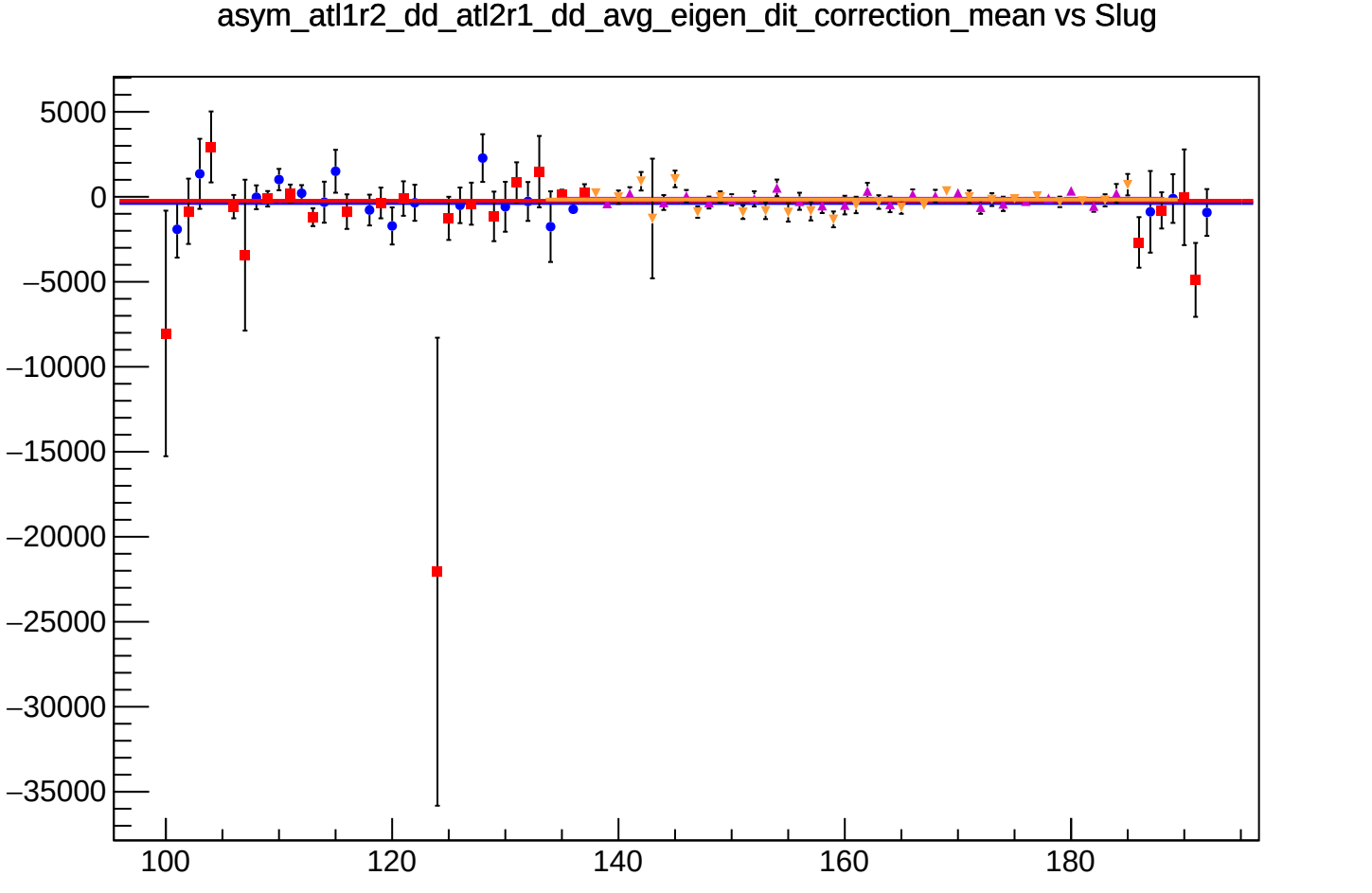
Right Out: 1296.757+/-0.309 χ^2/NDF: 371559.2/22

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1256.377+/-0.168 χ^2/NDF: 656691.0/43

All: 1263.764+/-0.120 χ^2/NDF: 1069856.0/89

- sign 1271.556+/-0.173 χ^2/NDF: 409192.8/45



Right In: -362.710+/-167.125 χ^2/NDF: 18.7/18

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

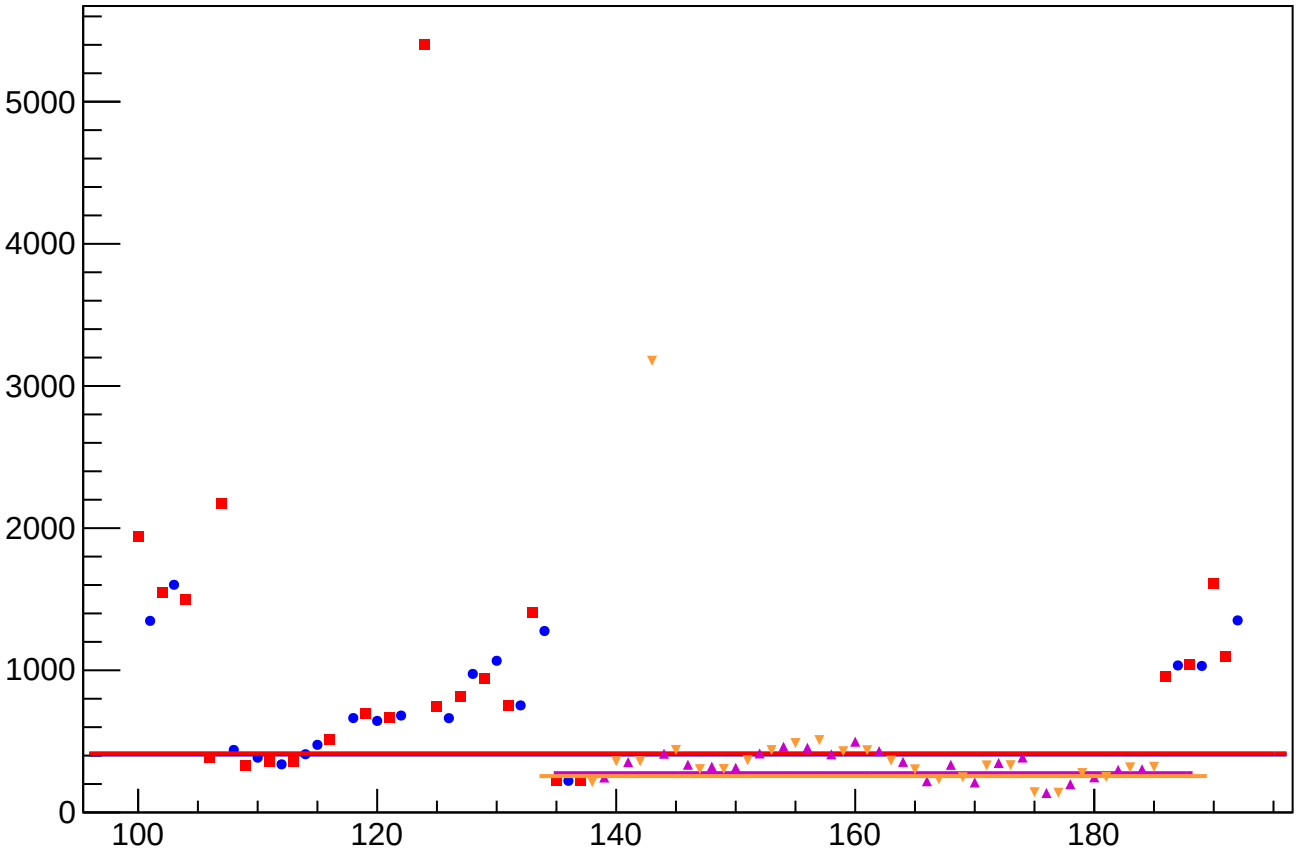
Right Out: -231.805+/-165.729 χ^2/NDF: 23.6/22

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -186.833+/-59.876 χ^2/NDF: 63.7/43

All: -160.633+/-43.587 χ^2/NDF: 106.4/89

- sign -131.096+/-63.574 χ^2/NDF: 42.2/45



Right In: 407.689+/-0.118 χ^2/NDF: 5821635.1/18

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

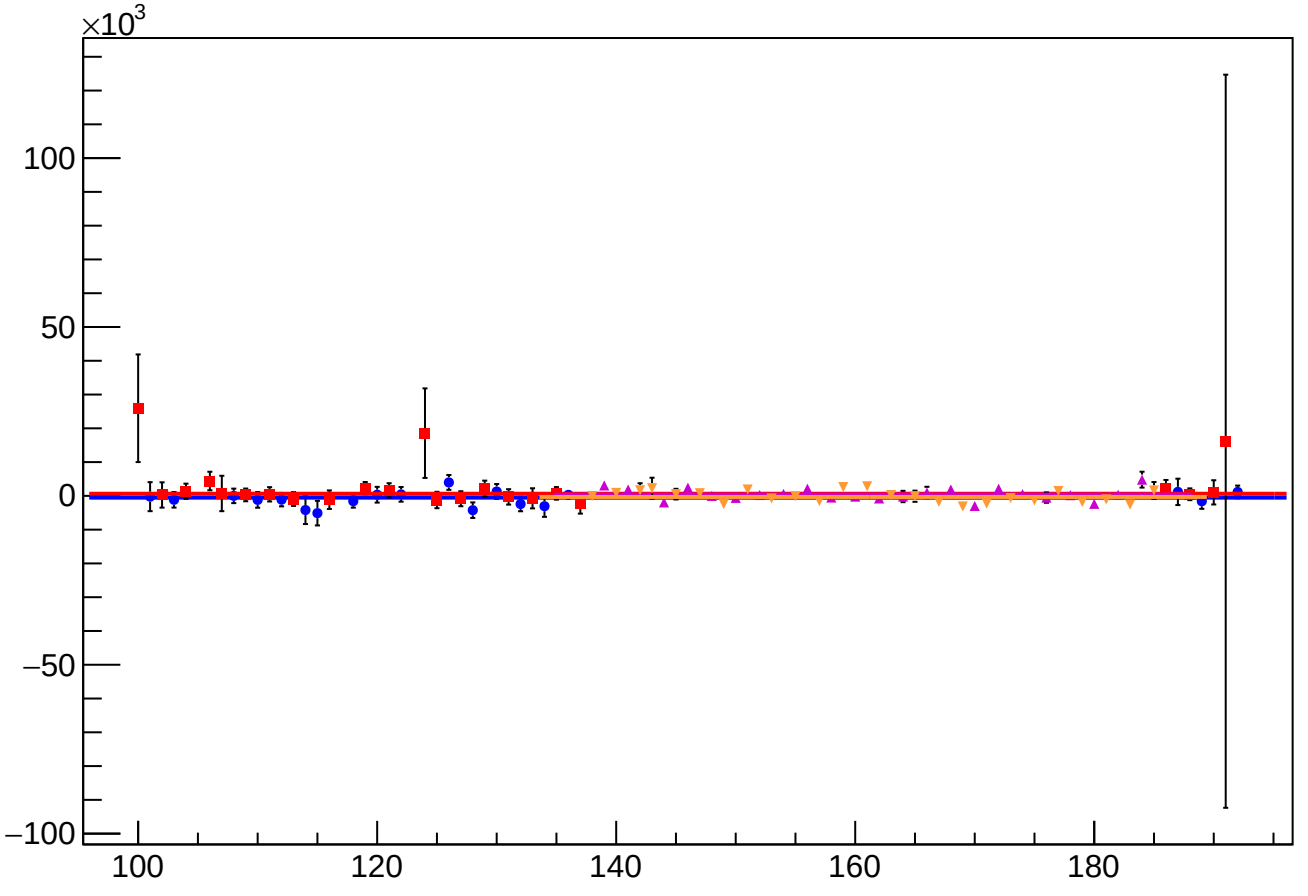
Right Out: 416.011+/-0.117 χ^2/NDF: 6135691.9/22

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 275.269+/-0.042 χ^2/NDF: 13635963.2/43

All: 285.417+/-0.031 χ^2/NDF: 25133433.1/89

- sign 296.858+/-0.045 χ^2/NDF: 11375254.0/45



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

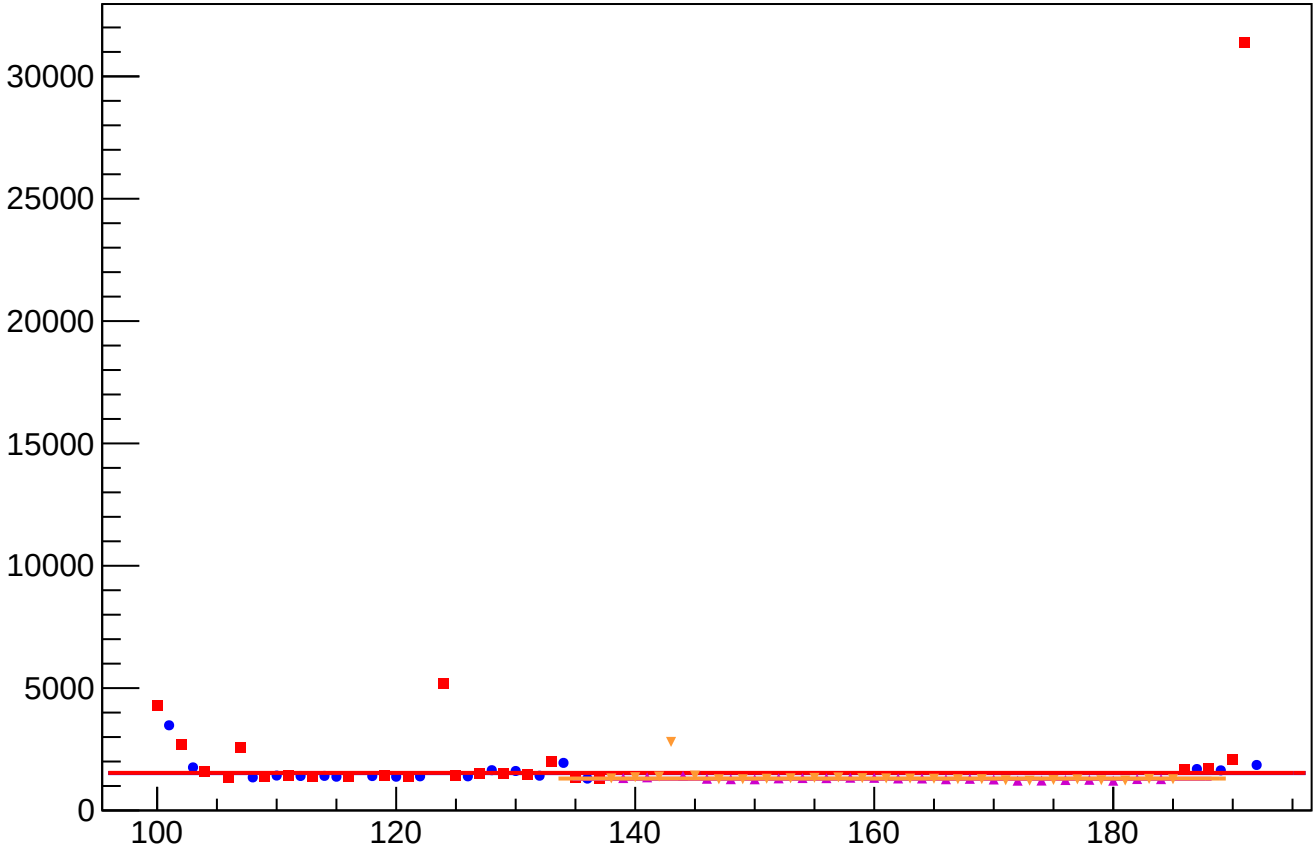
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -369.552+/-258.866 χ^2/NDF: 45.4/43

All: 24.022+/-183.924 χ^2/NDF: 91.6/89

- sign 425.240+/-261.368 χ^2/NDF: 41.6/45

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1525.784+/-0.368 χ^2/NDF: 665922.3/18

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

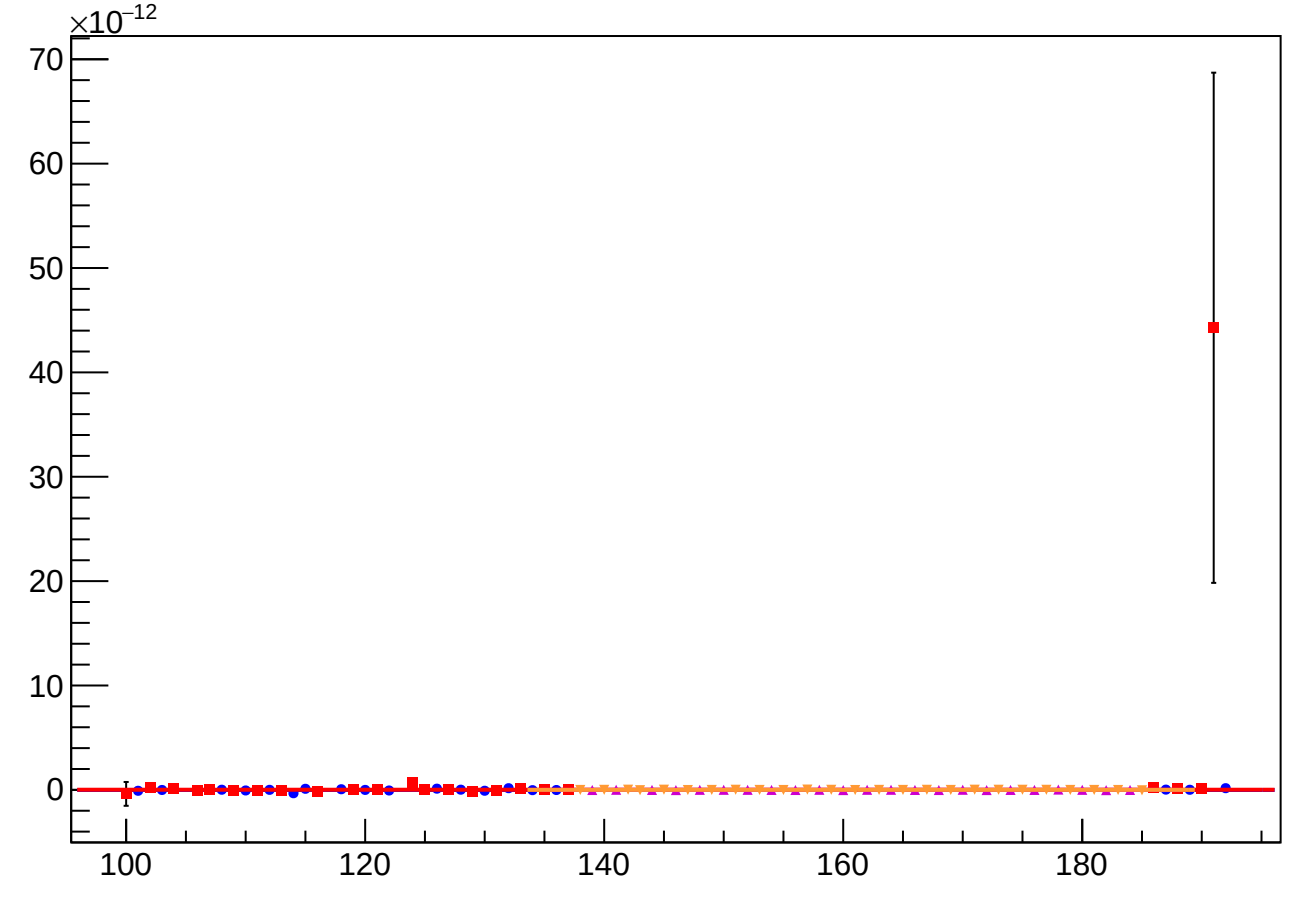
Right Out: 1535.621+/-0.369 χ^2/NDF: 854439.4/22

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1358.846+/-0.183 χ^2/NDF: 1458014.6/43

All: 1356.010+/-0.130 χ^2/NDF: 2687192.9/89

- sign 1353.120+/-0.185 χ^2/NDF: 1228693.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 10.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

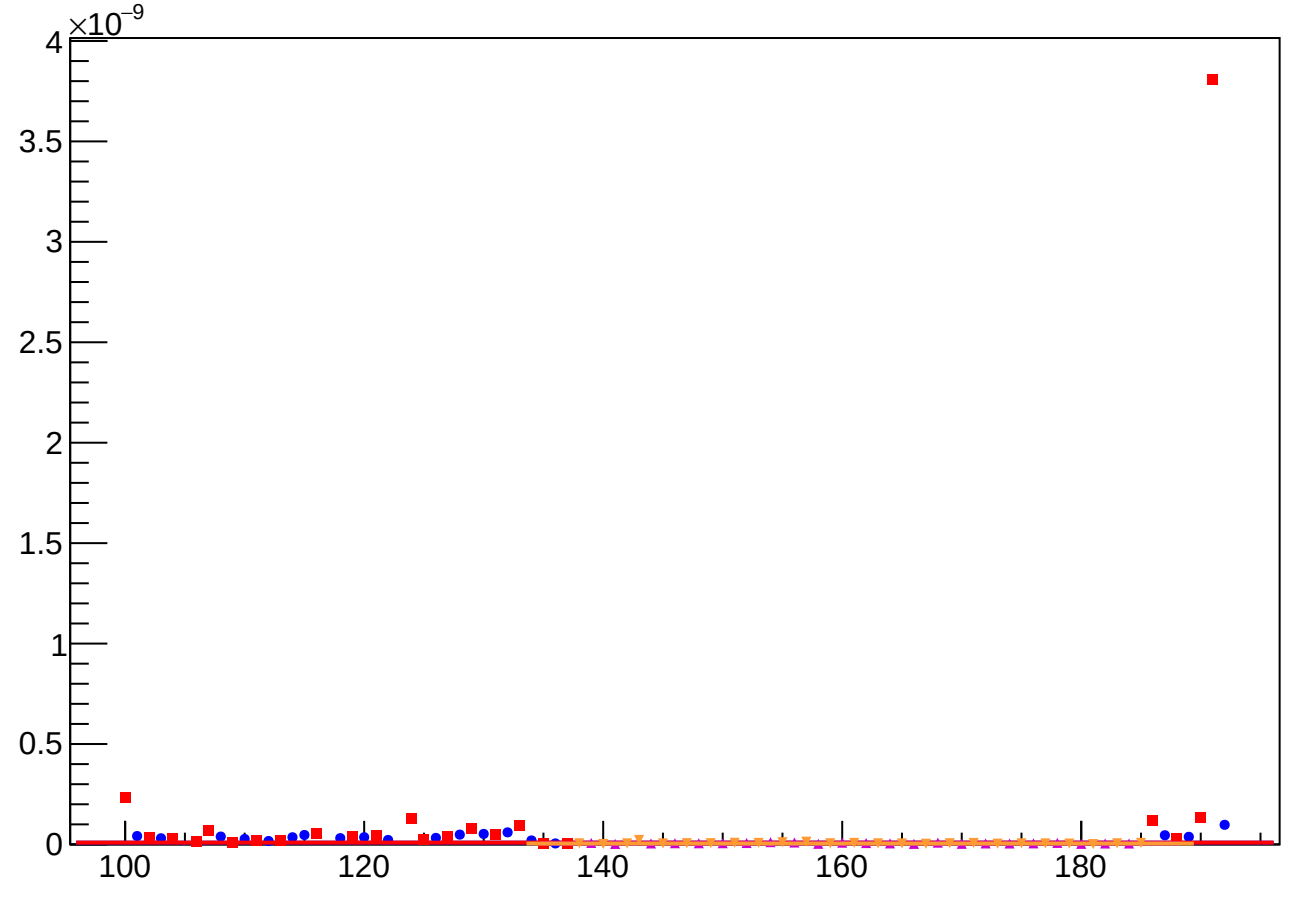
Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/22

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/43

All: 0.000+/-0.000 χ^2/NDF: 99.3/89

- sign 0.000+/-0.000 χ^2/NDF: 61.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 3883043.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

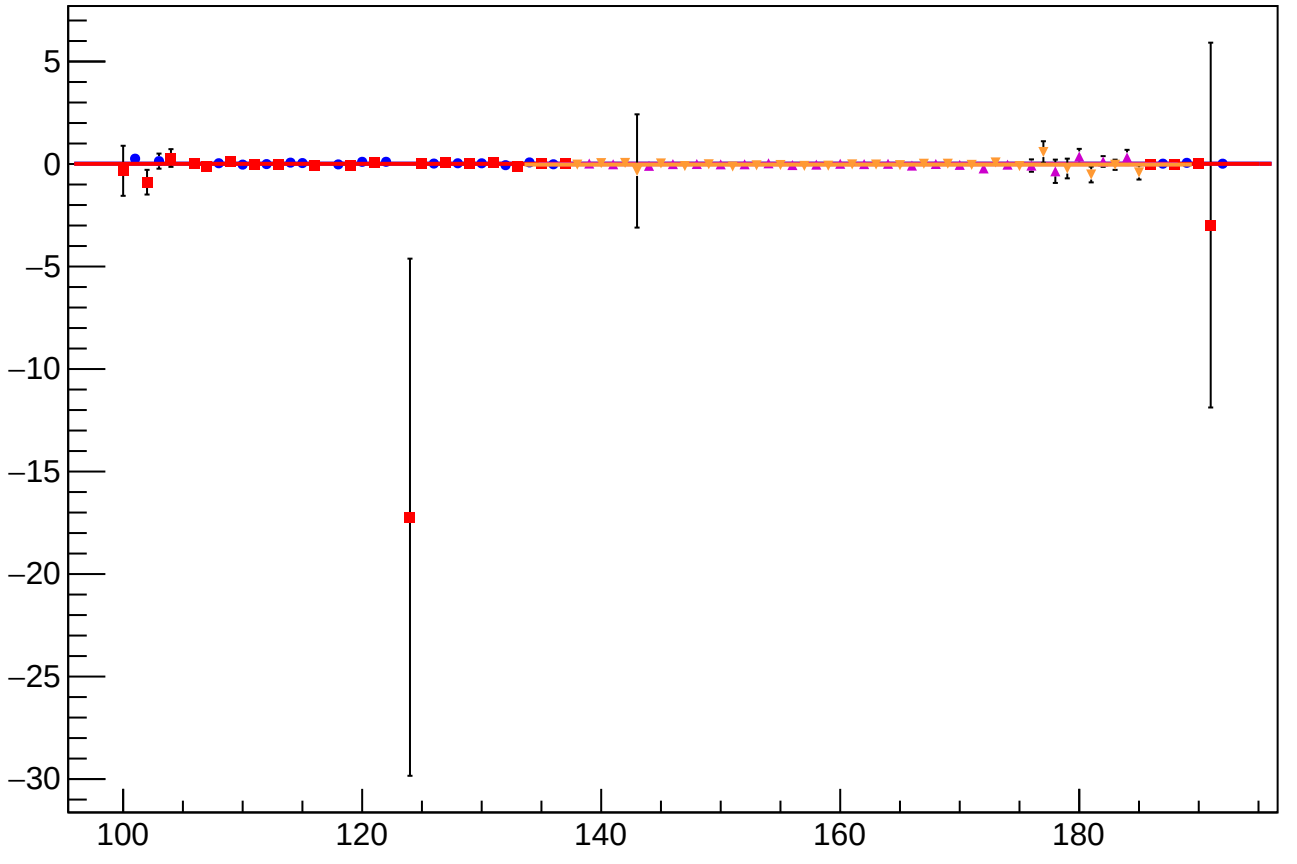
Right Out: 0.000+/-0.000 χ^2/NDF: 4368254.1/22

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7228837.9/43

All: 0.000+/-0.000 χ^2/NDF: 14055760.6/89

- sign 0.000+/-0.000 χ^2/NDF: 6804951.6/45



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

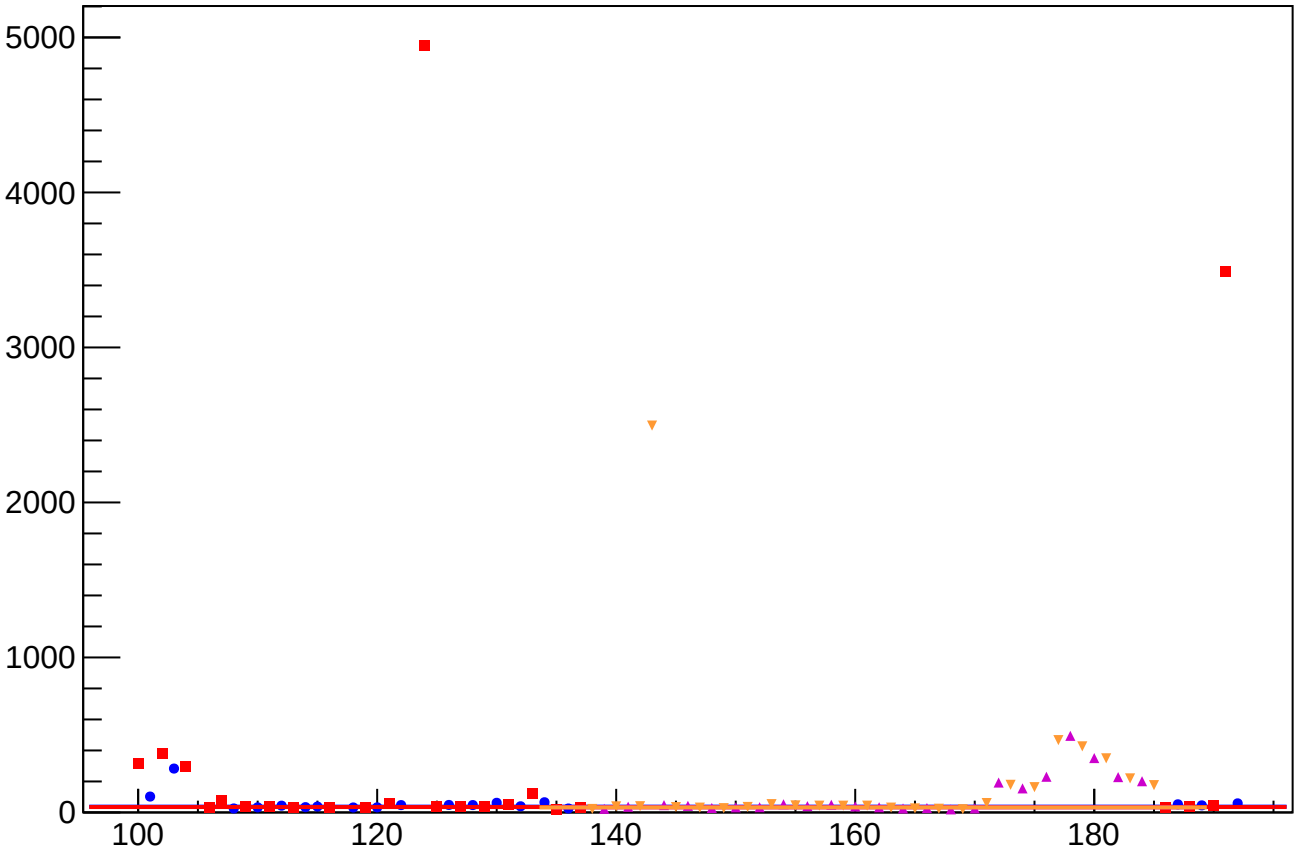
Right Out: 0.009+/-0.014 χ^2/NDF: 16.6/22

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.009+/-0.006 χ^2/NDF: 78.9/89

- sign -0.004+/-0.008 χ^2/NDF: 31.2/45



Right In: 37.488+/-0.010 χ^2/NDF: 2544712.0/18

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

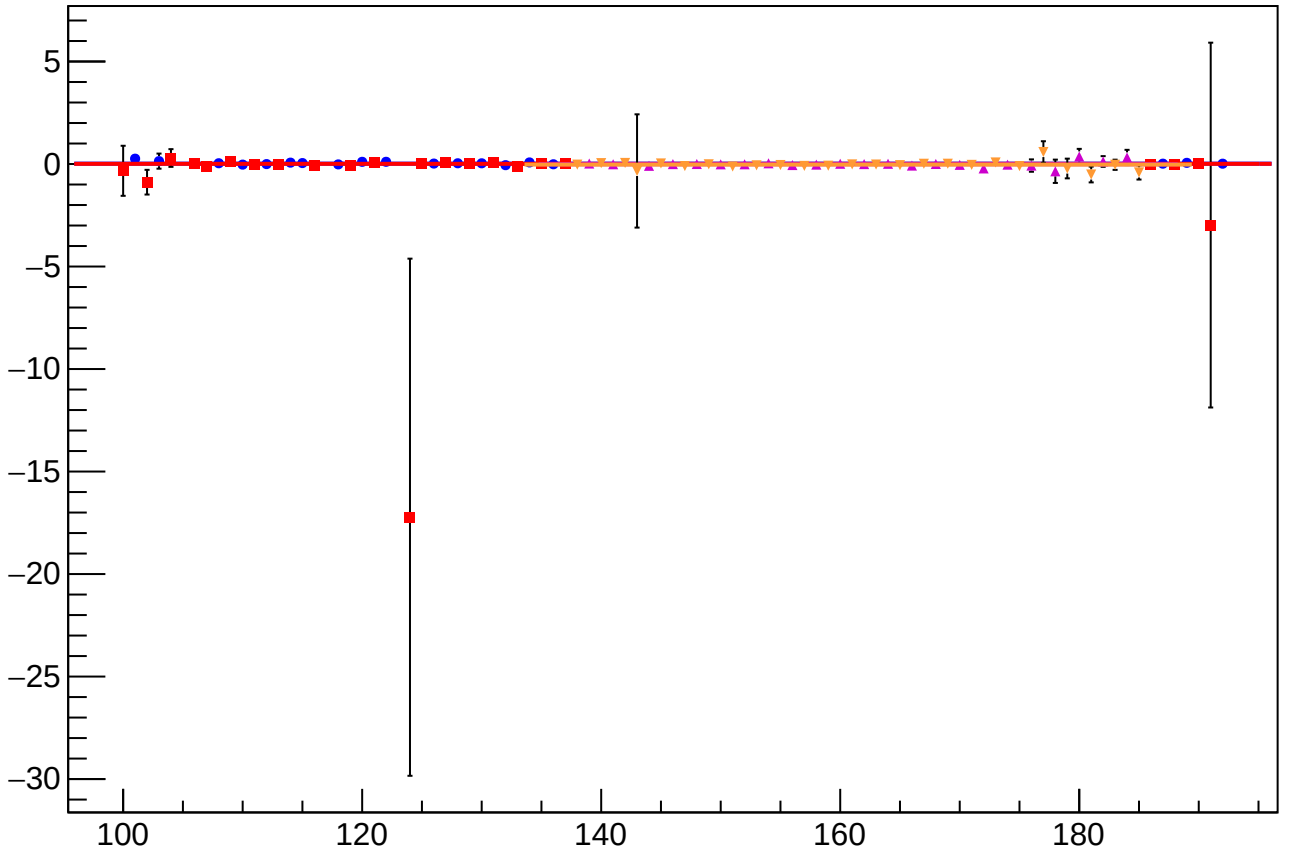
Right Out: 34.926+/-0.010 χ^2/NDF: 3281767.8/22

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576693.3/43

All: 33.723+/-0.004 χ^2/NDF: 25860999.8/89

- sign 33.436+/-0.006 χ^2/NDF: 12278838.4/45



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

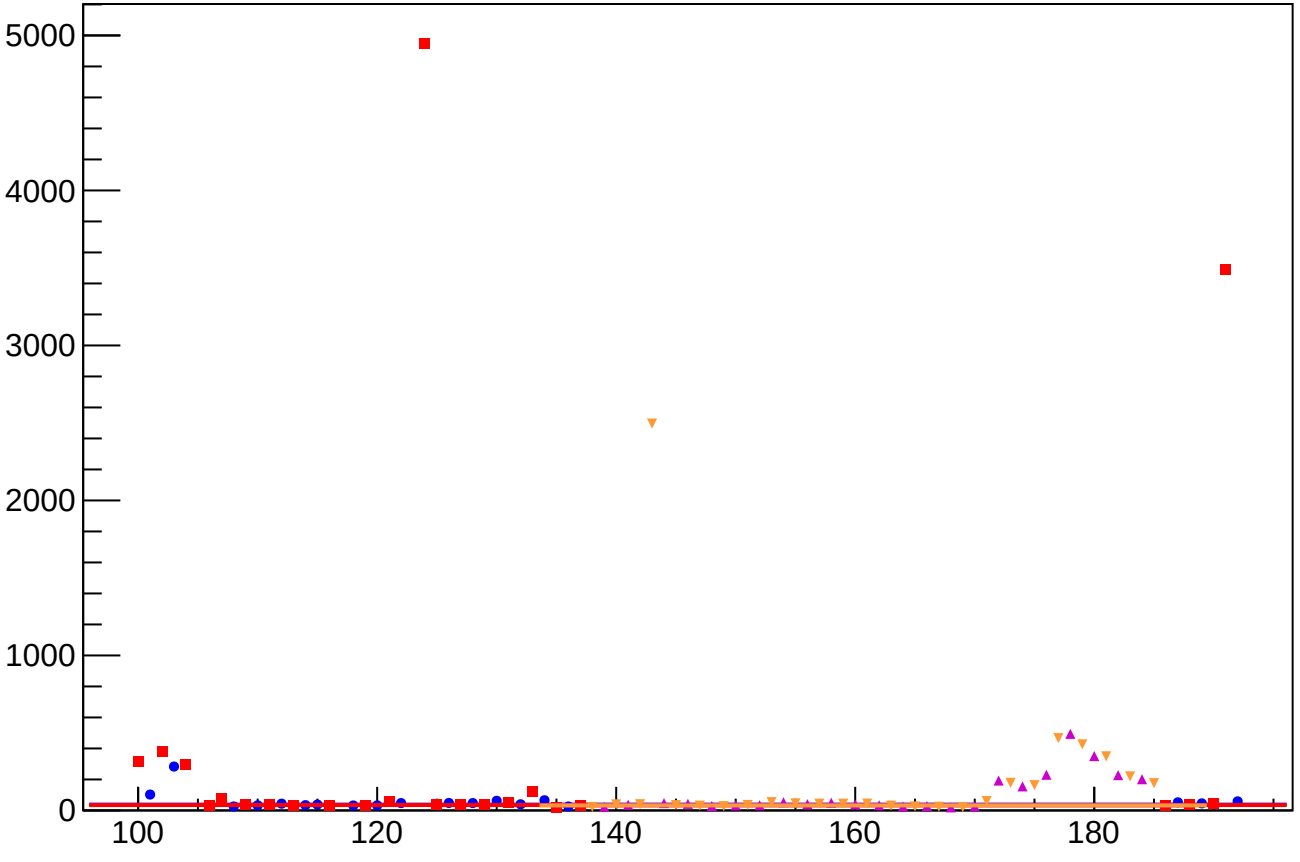
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.009+/-0.006 χ^2/NDF: 78.9/89

- sign -0.004+/-0.008 χ^2/NDF: 31.2/45

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.488+/-0.010 χ^2/NDF: 2544712.0/18

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

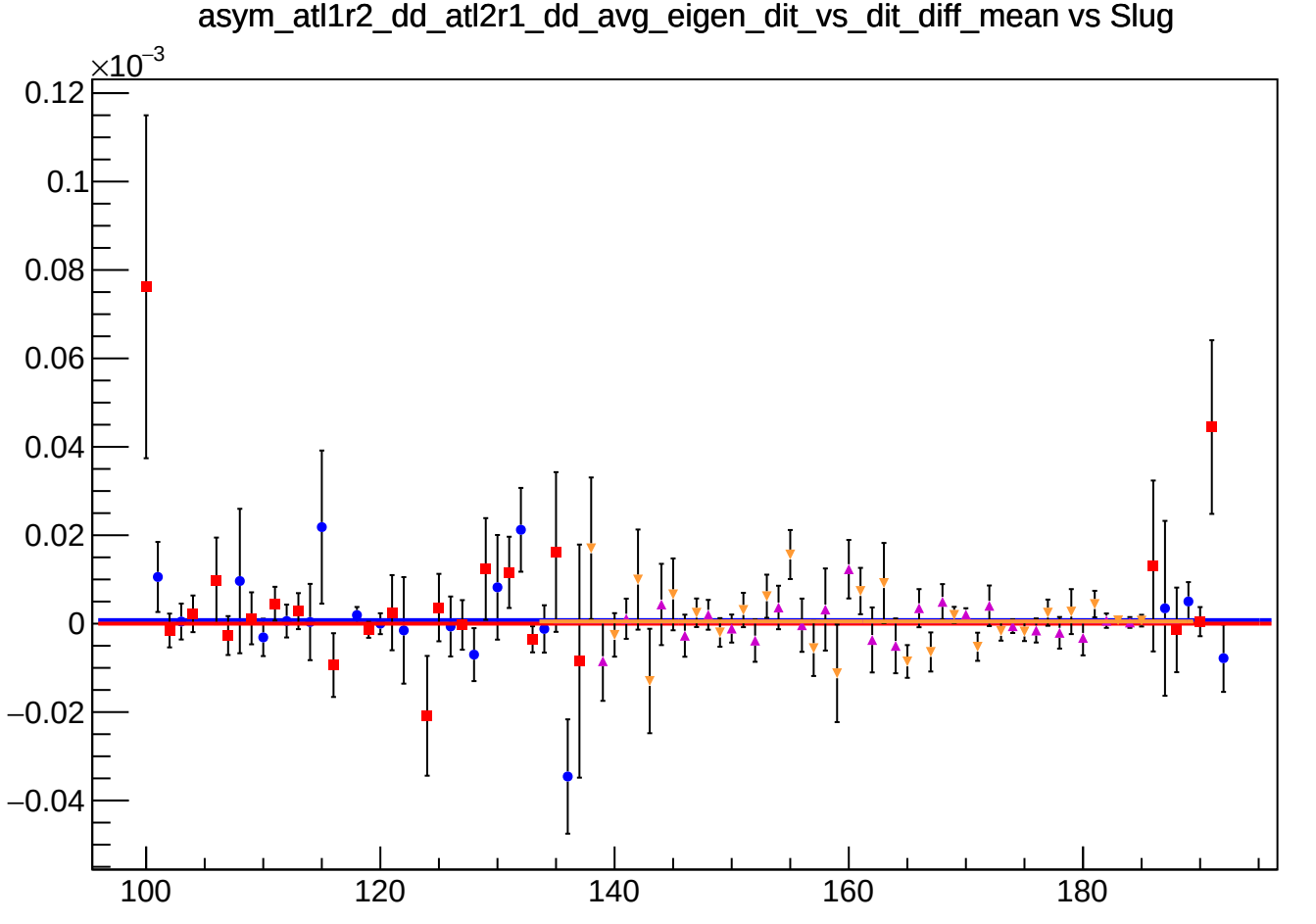
Right Out: 34.926+/-0.010 χ^2/NDF: 3281767.8/22

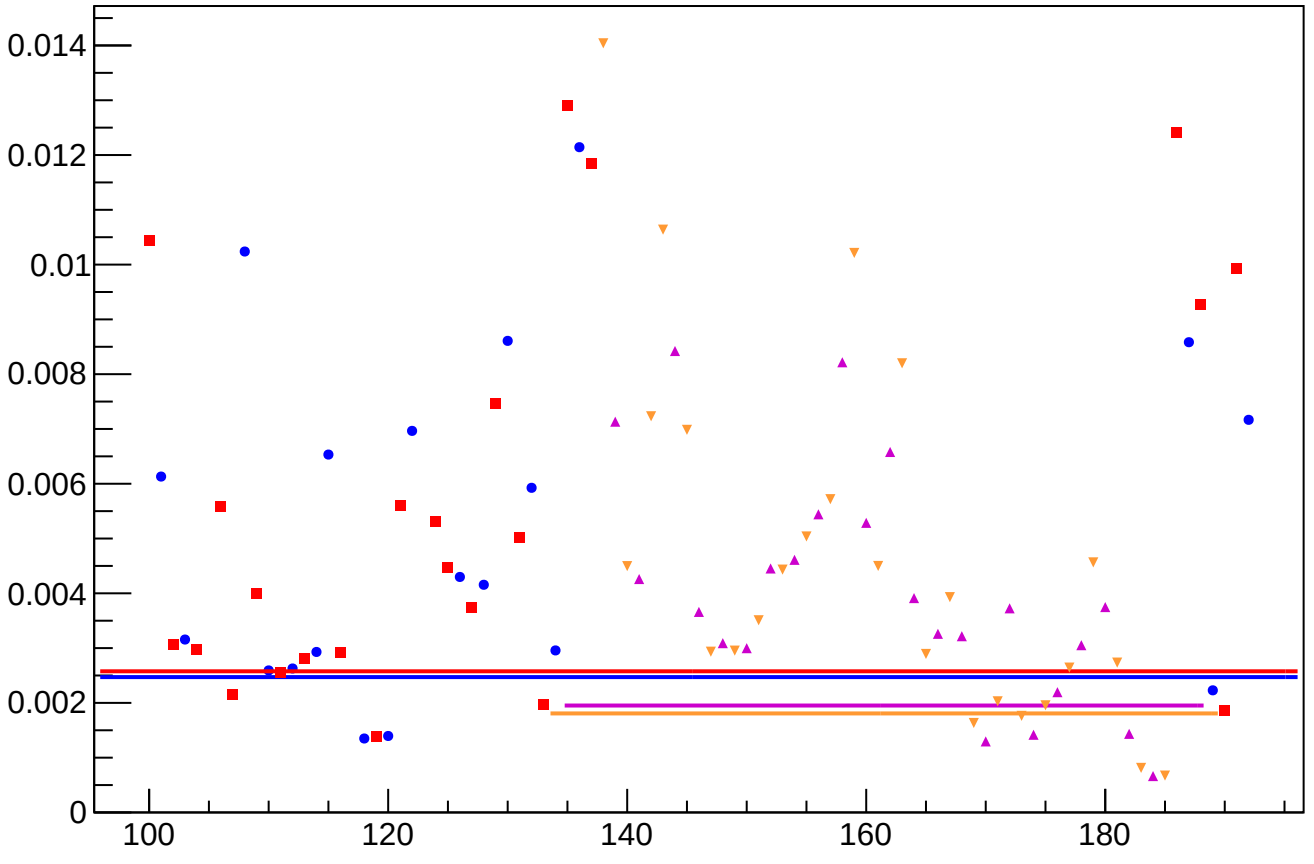
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576693.3/43

All: 33.723+/-0.004 χ^2/NDF: 25860999.8/89

- sign 33.436+/-0.006 χ^2/NDF: 12278838.4/45


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 21.3/18
Left Out: 0.000+/-0.000 χ²/NDF:35.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 23.7/22
Left In: 0.000+/-0.000 χ²/NDF:13.7/22
+ sign 0.000+/-0.000 χ²/NDF: 57.1/43
All: 0.000+/-0.000 χ²/NDF: 94.8/89
- sign 0.000+/-0.000 χ²/NDF: 37.6/45



Right In: 0.002+/-0.000 χ^2/NDF: 5694208.4/18

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

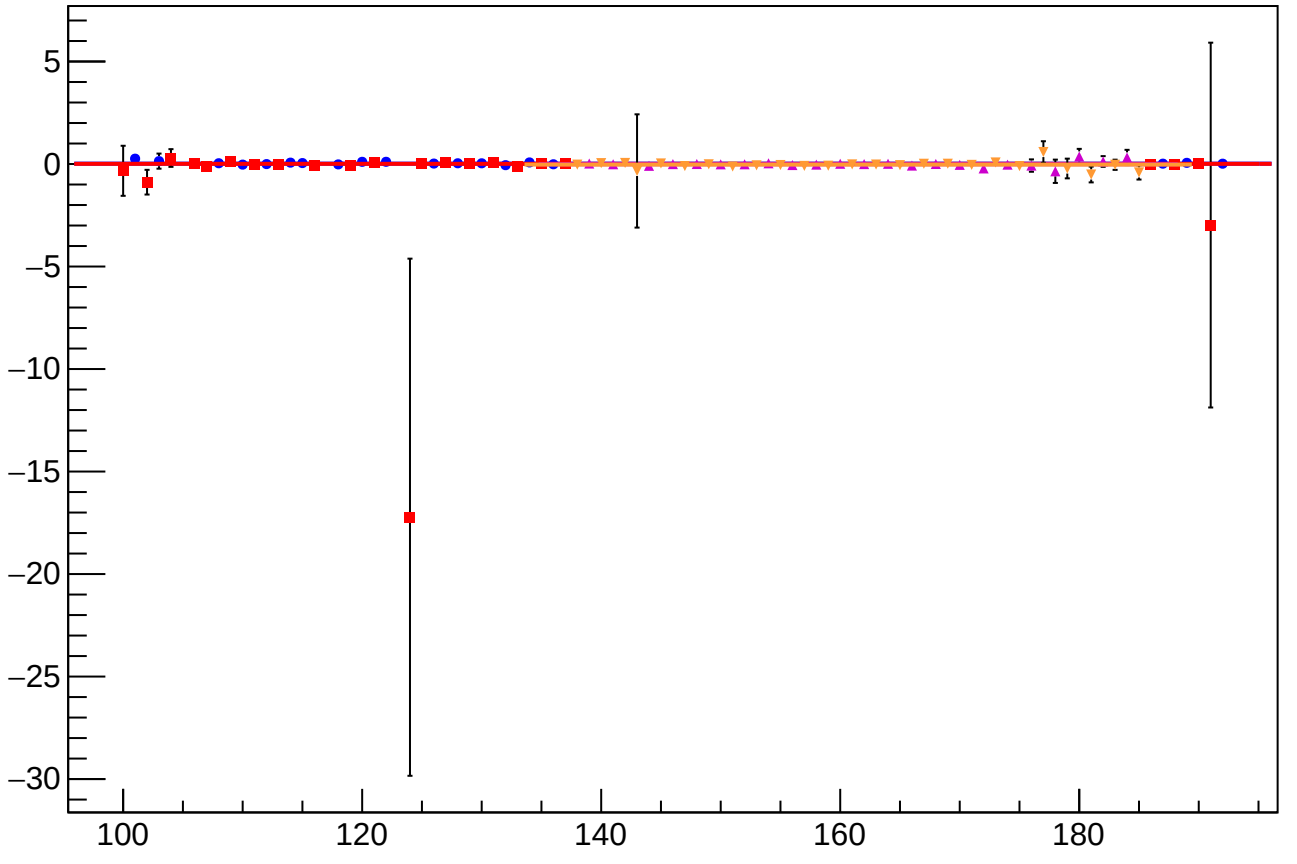
Right Out: 0.003+/-0.000 χ^2/NDF: 5274953.9/22

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 21253494.4/43

All: 0.002+/-0.000 χ^2/NDF: 38692907.4/89

- sign 0.002+/-0.000 χ^2/NDF: 17329710.3/45



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

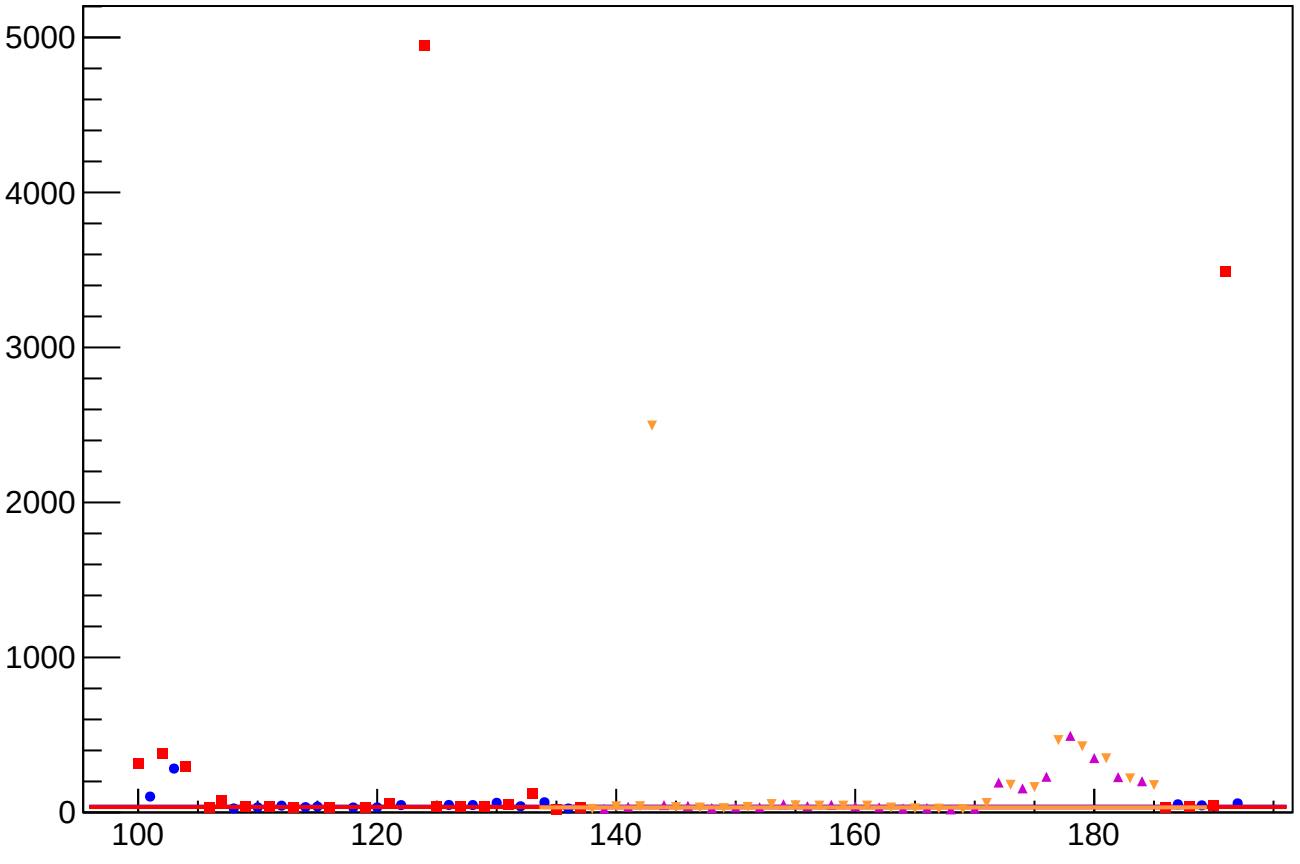
Right Out: 0.009+/-0.014 χ^2/NDF: 16.6/22

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.009+/-0.006 χ^2/NDF: 78.9/89

- sign -0.004+/-0.008 χ^2/NDF: 31.2/45



Right In: 37.489+/-0.010 χ^2/NDF: 2544334.6/18

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

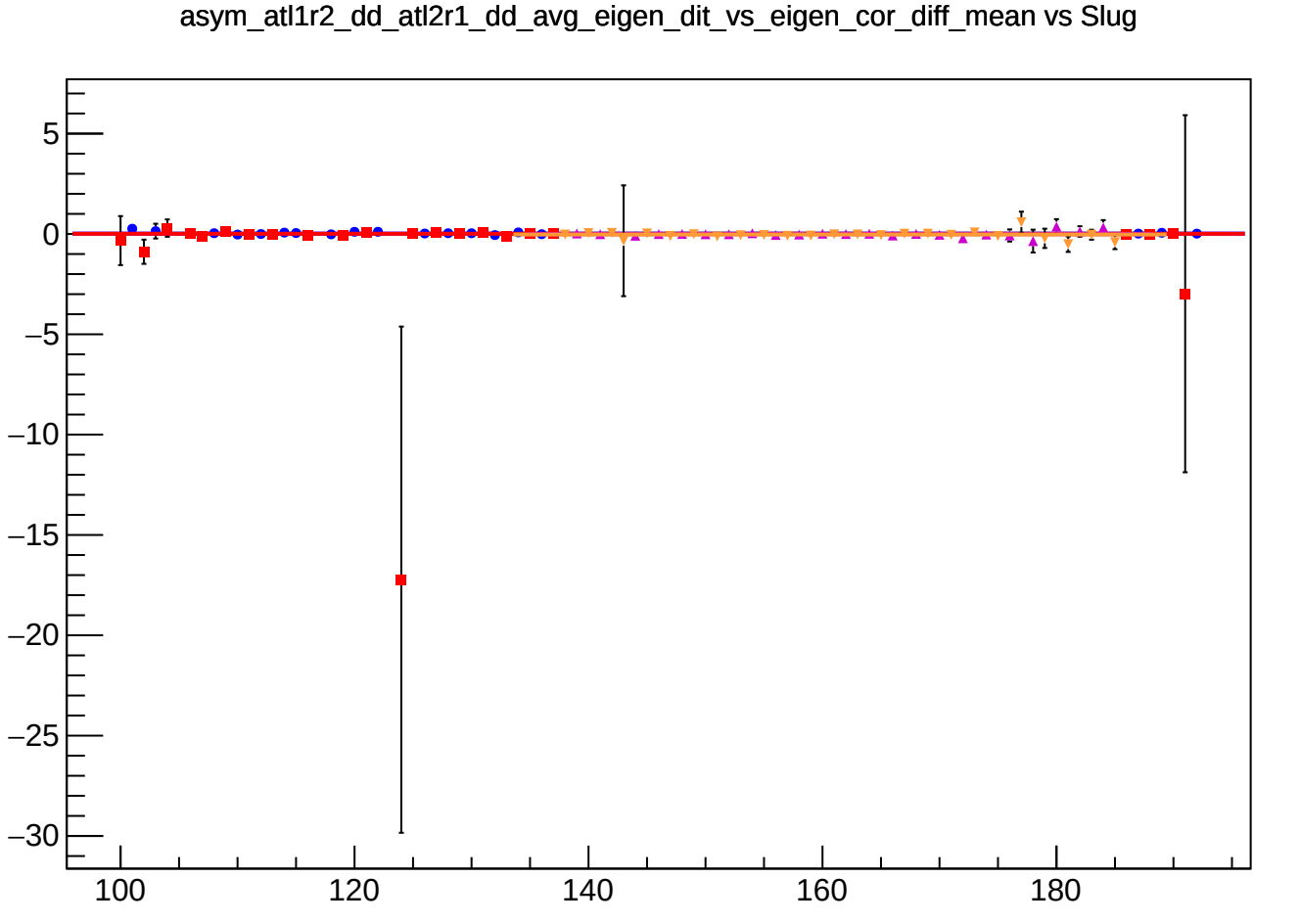
Right Out: 34.927+/-0.010 χ^2/NDF: 3281579.6/22

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576671.6/43

All: 33.723+/-0.004 χ^2/NDF: 25861492.2/89

- sign 33.435+/-0.006 χ^2/NDF: 12279333.0/45



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

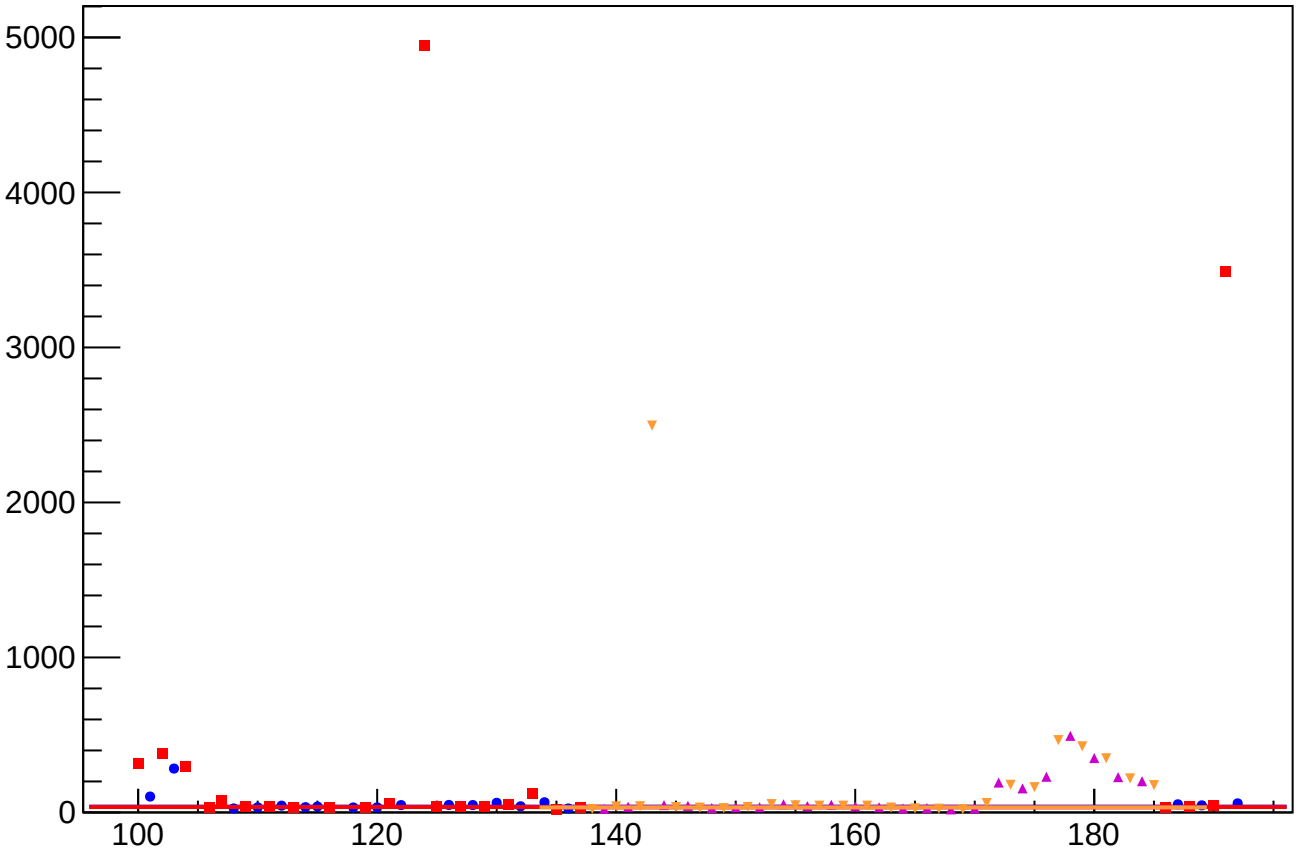
Right Out: 0.009+/-0.014 χ^2/NDF: 16.6/22

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.009+/-0.006 χ^2/NDF: 78.9/89

- sign -0.004+/-0.008 χ^2/NDF: 31.2/45



Right In: 37.489+/-0.010 χ^2/NDF: 2544334.6/18

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

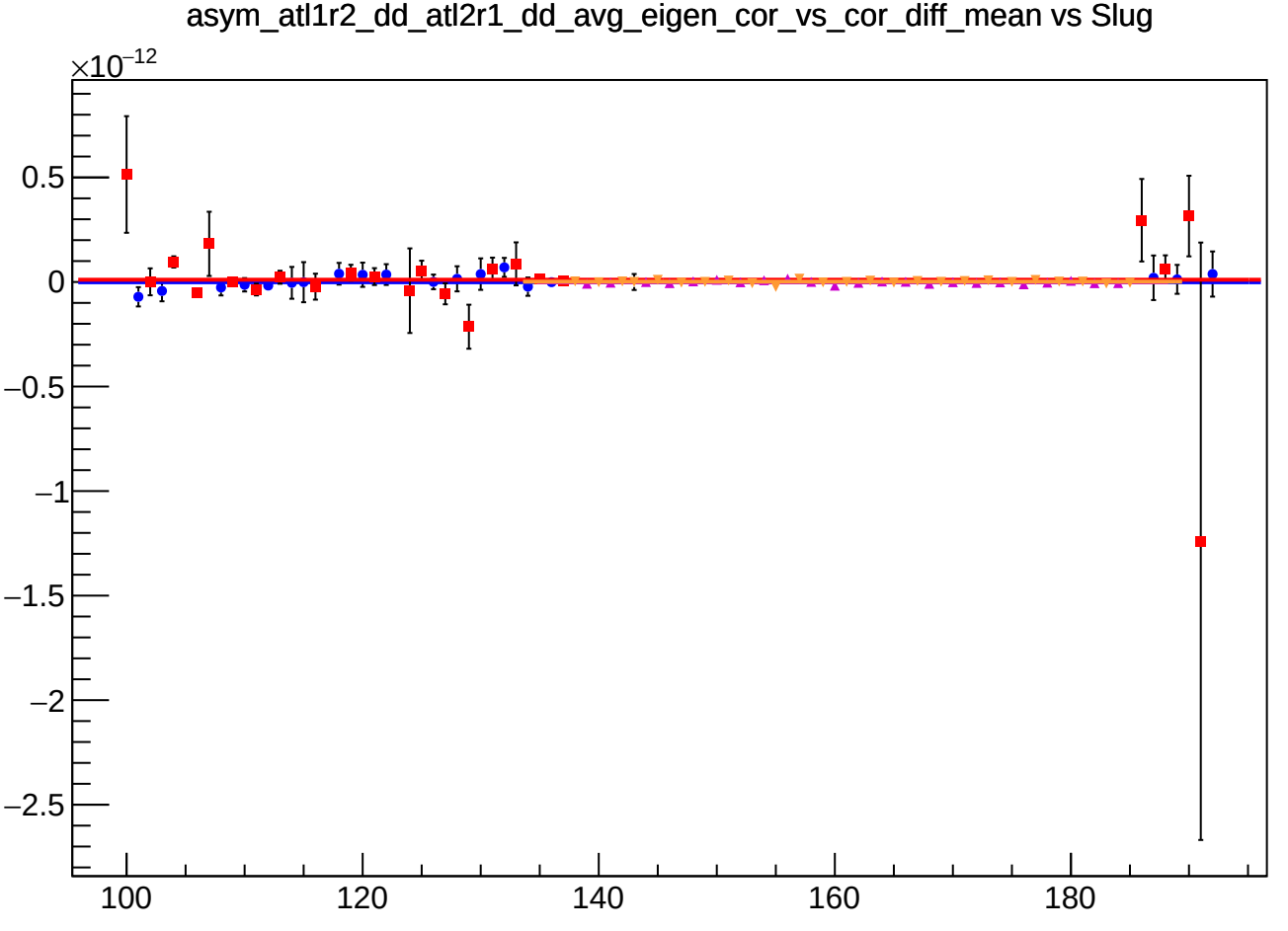
Right Out: 34.927+/-0.010 χ^2/NDF: 3281579.6/22

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576671.6/43

All: 33.723+/-0.004 χ^2/NDF: 25861492.2/89

- sign 33.435+/-0.006 χ^2/NDF: 12279333.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 8.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

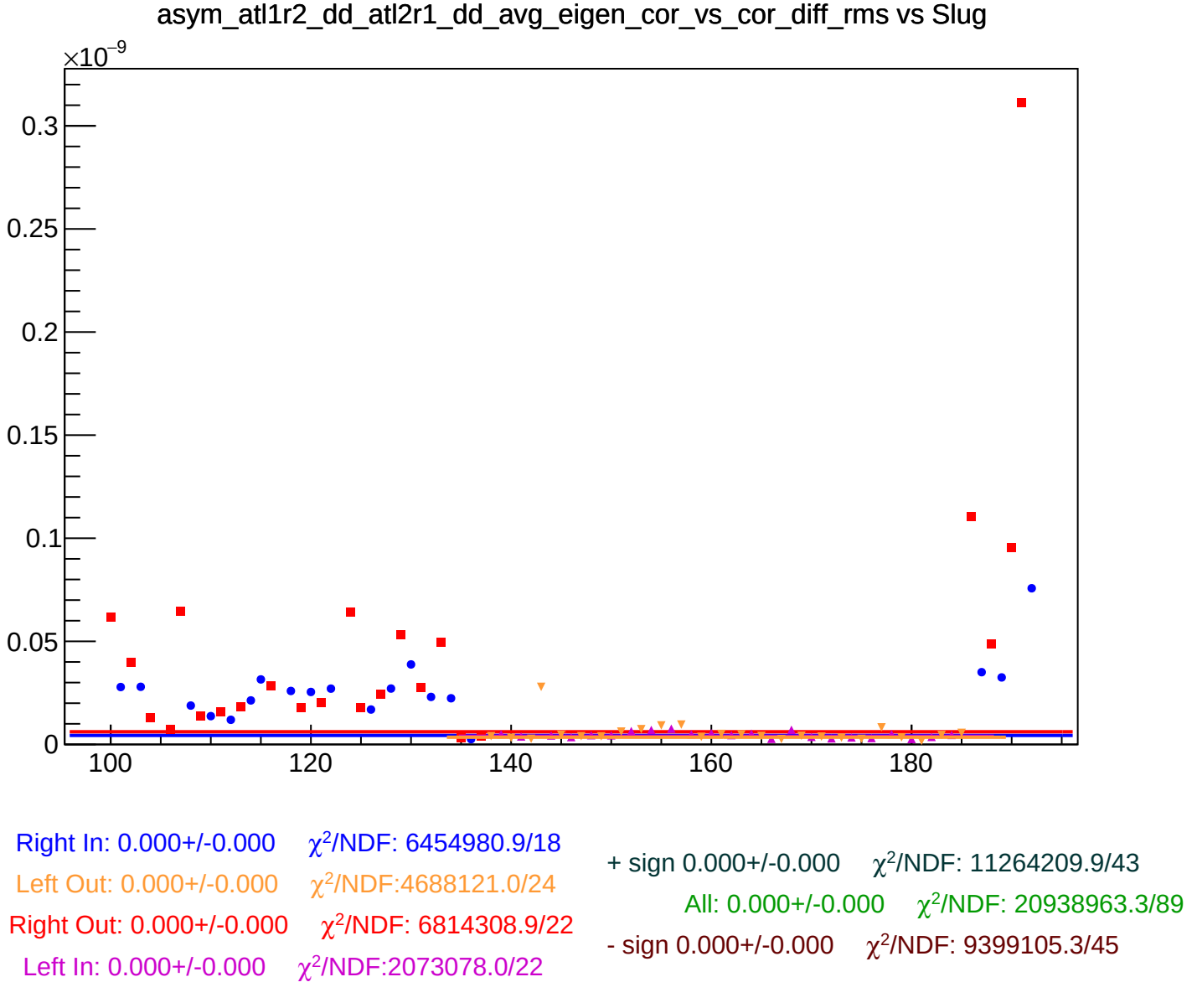
Right Out: 0.000+/-0.000 χ^2/NDF: 45.9/22

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

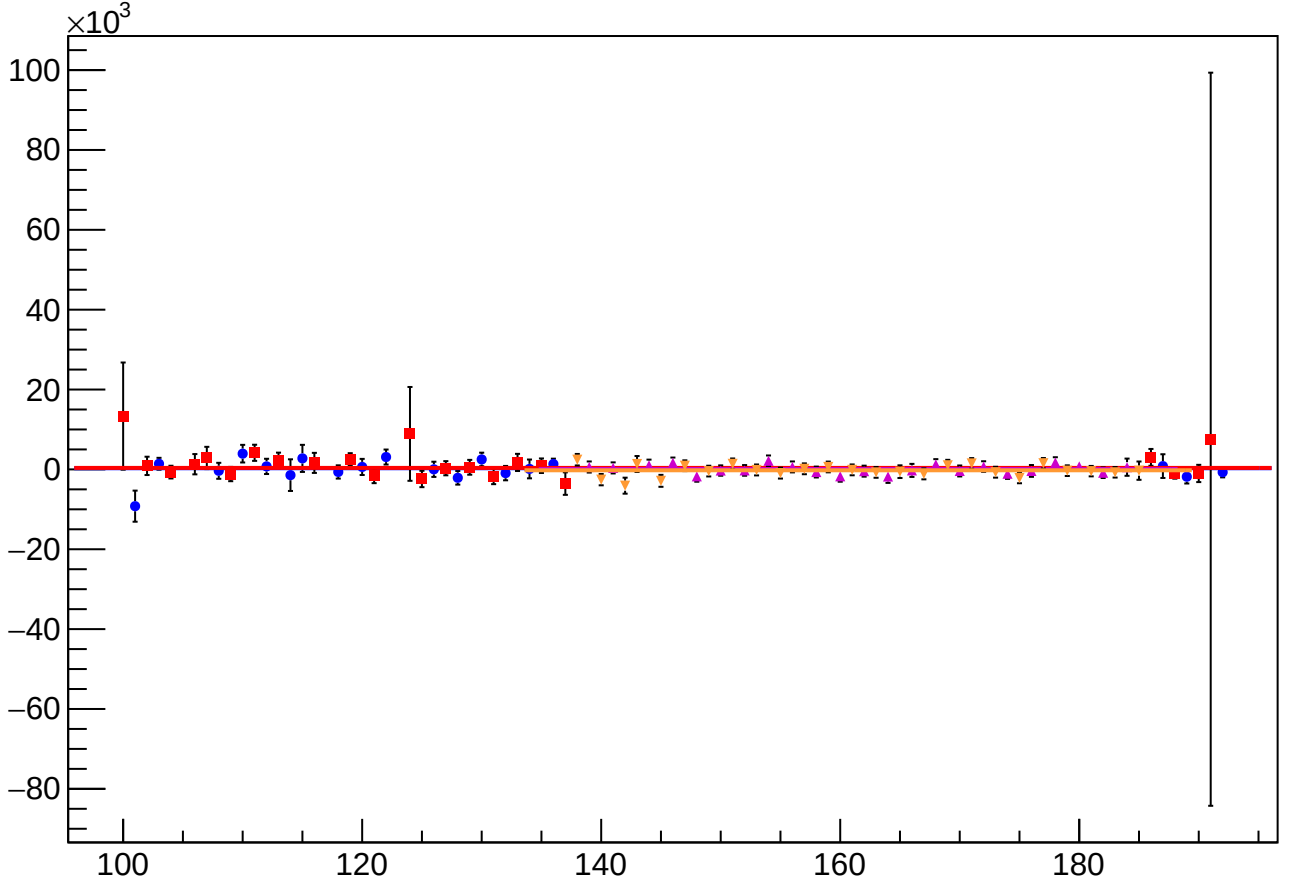
+ sign 0.000+/-0.000 χ^2/NDF: 27.5/43

All: 0.000+/-0.000 χ^2/NDF: 110.9/89

- sign -0.000+/-0.000 χ^2/NDF: 82.3/45


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 6454980.9/18
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 6814308.9/22
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
+ sign 0.000+/-0.000 χ²/NDF: 11264209.9/43
All: 0.000+/-0.000 χ²/NDF: 20938963.3/89
- sign 0.000+/-0.000 χ²/NDF: 9399105.3/45

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



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

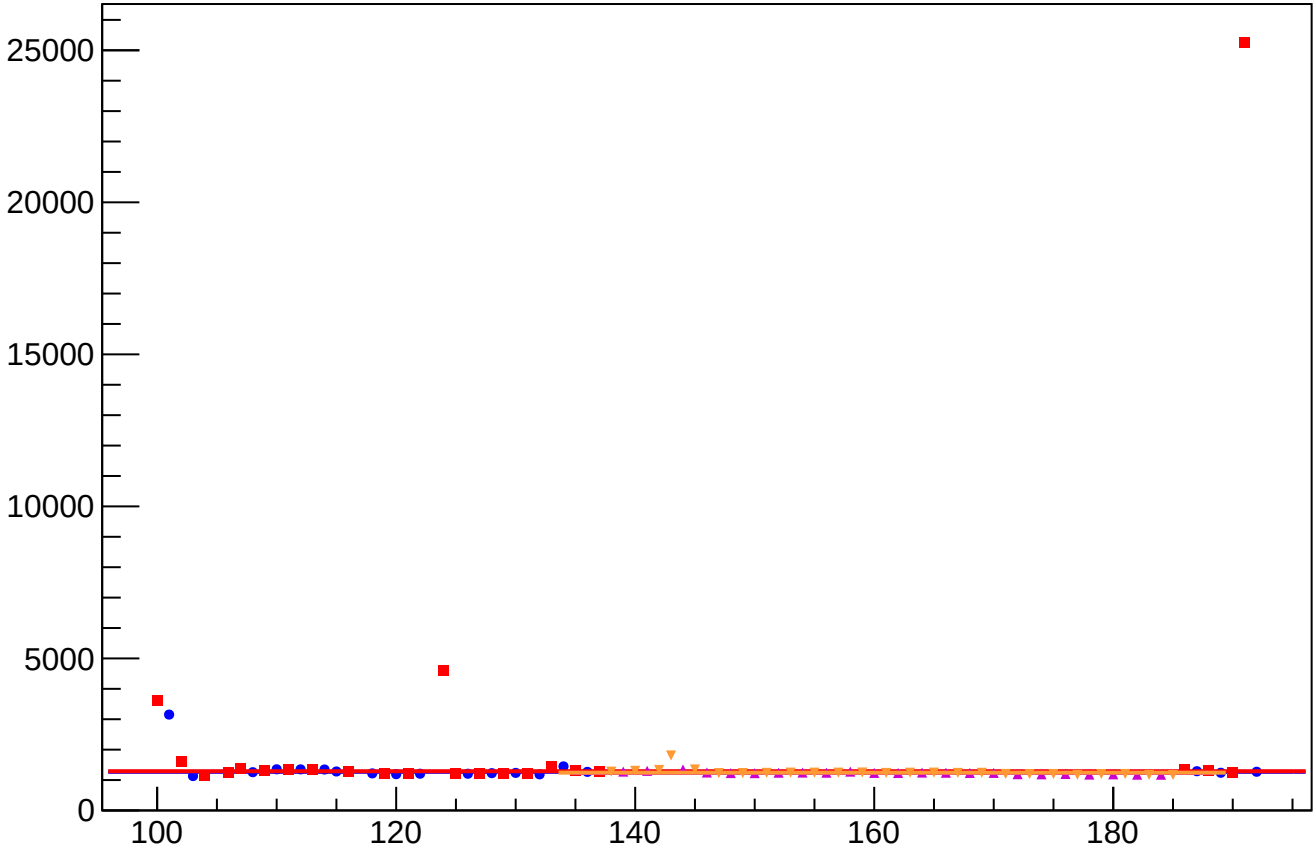
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -67.041+/-236.785 χ^2/NDF: 44.5/43

All: 53.777+/-168.582 χ^2/NDF: 79.9/89

- sign 177.972+/-240.072 χ^2/NDF: 34.8/45

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1271.085+/-0.306 χ^2/NDF: 520096.4/18

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

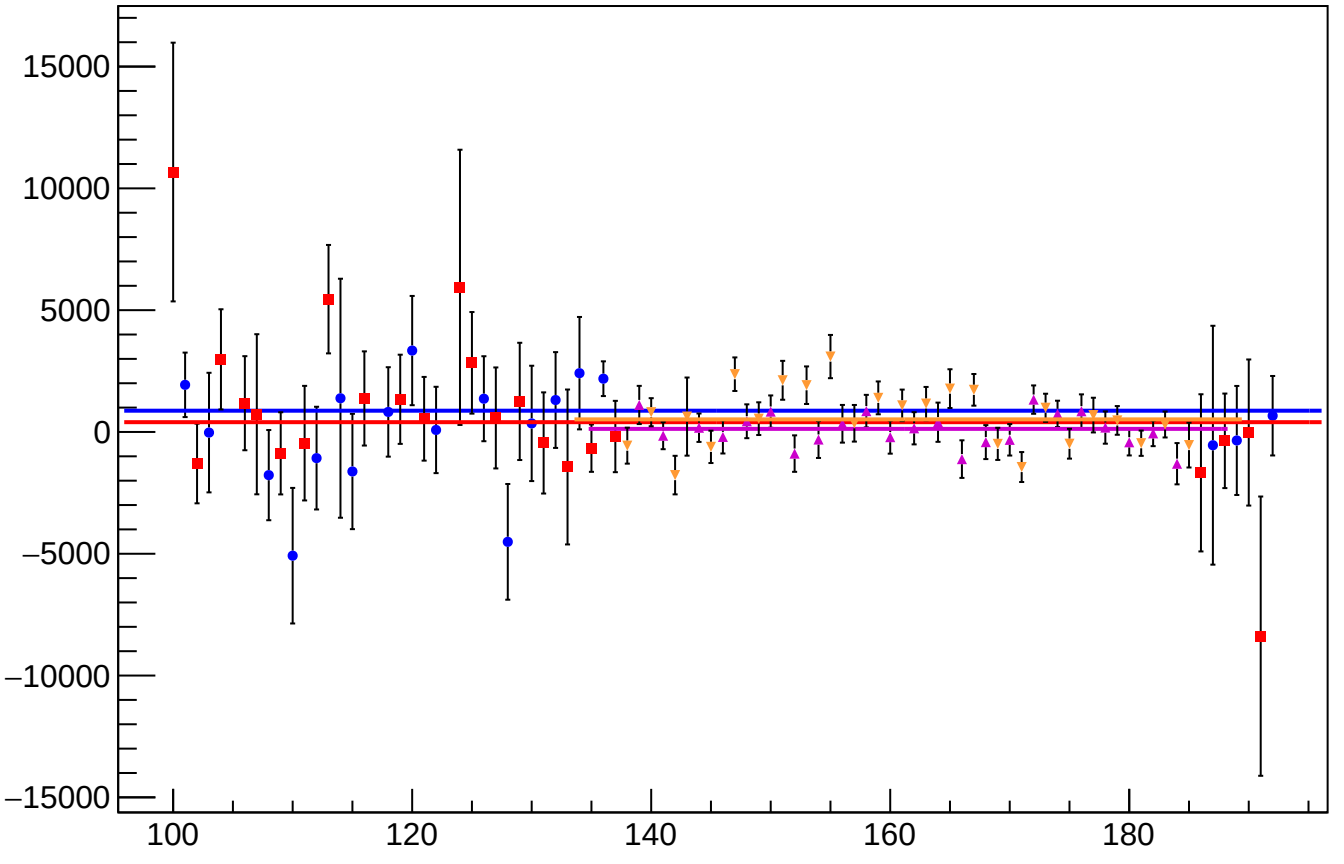
Right Out: 1289.209+/-0.307 χ^2/NDF: 466930.4/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729380.4/43

All: 1251.025+/-0.119 χ^2/NDF: 1258270.1/89

- sign 1250.732+/-0.170 χ^2/NDF: 528883.8/45



Right In: 872.801+/-403.848 χ^2/NDF: 20.3/18

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

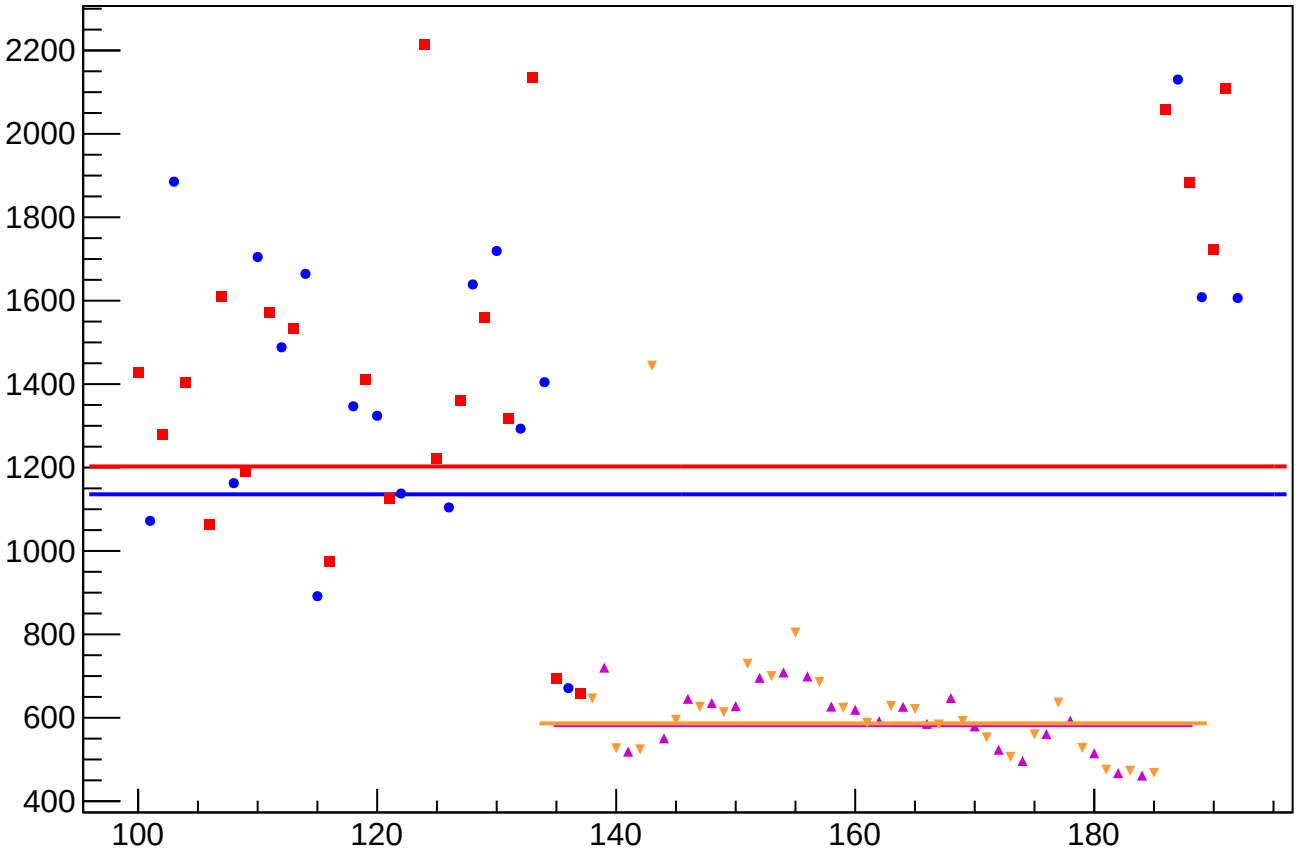
Right Out: 401.721+/-419.932 χ^2/NDF: 20.2/22

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 552.932+/-128.672 χ^2/NDF: 88.1/43

All: 355.810+/-91.615 χ^2/NDF: 135.0/89

- sign 153.131+/-130.473 χ^2/NDF: 42.1/45



Right In: 1135.789+/-0.286 χ^2/NDF: 1855527.5/18

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

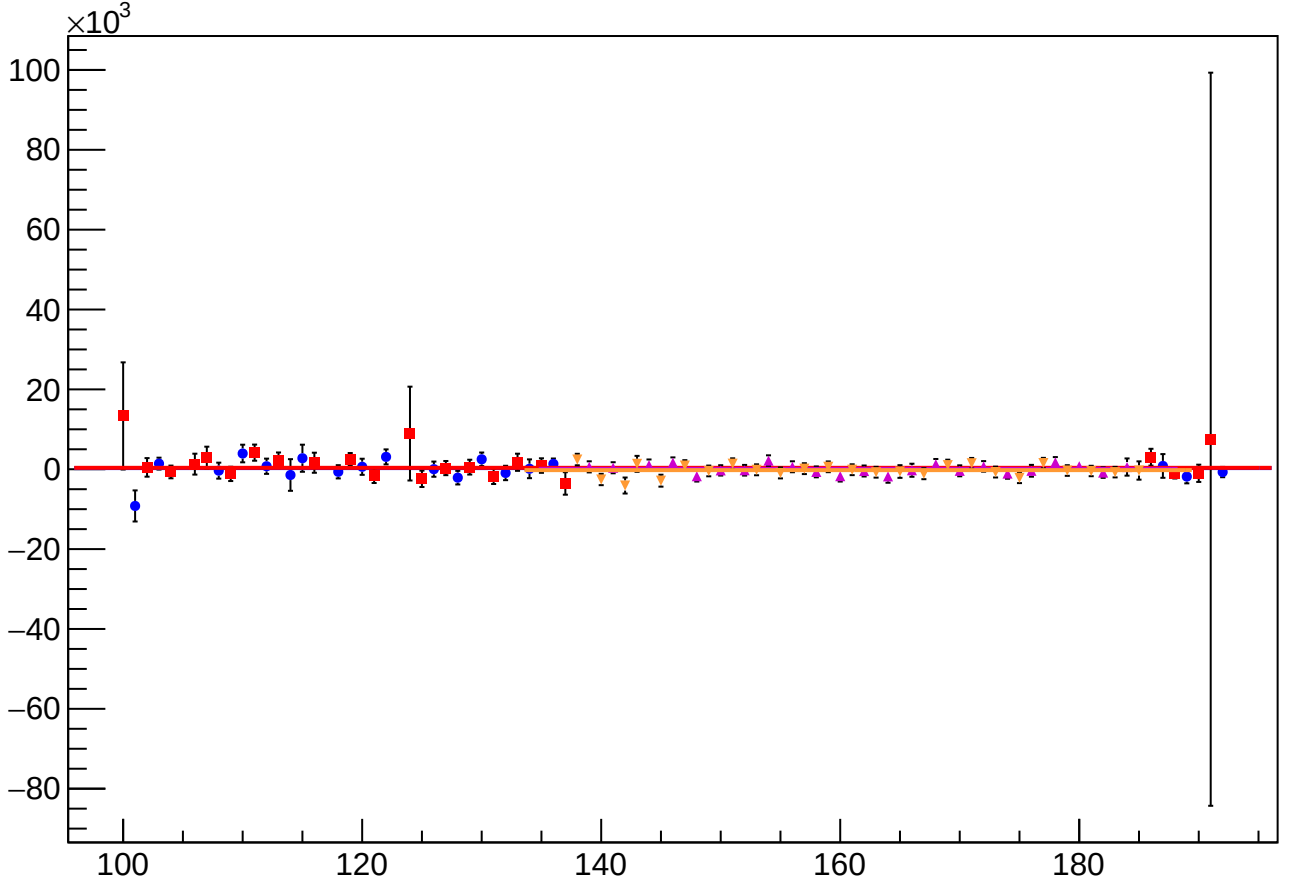
Right Out: 1202.605+/-0.297 χ^2/NDF: 1837343.8/22

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 642.312+/-0.091 χ^2/NDF: 6382098.2/43

All: 642.199+/-0.065 χ^2/NDF: 12722817.5/89

- sign 642.082+/-0.092 χ^2/NDF: 6340716.1/45



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

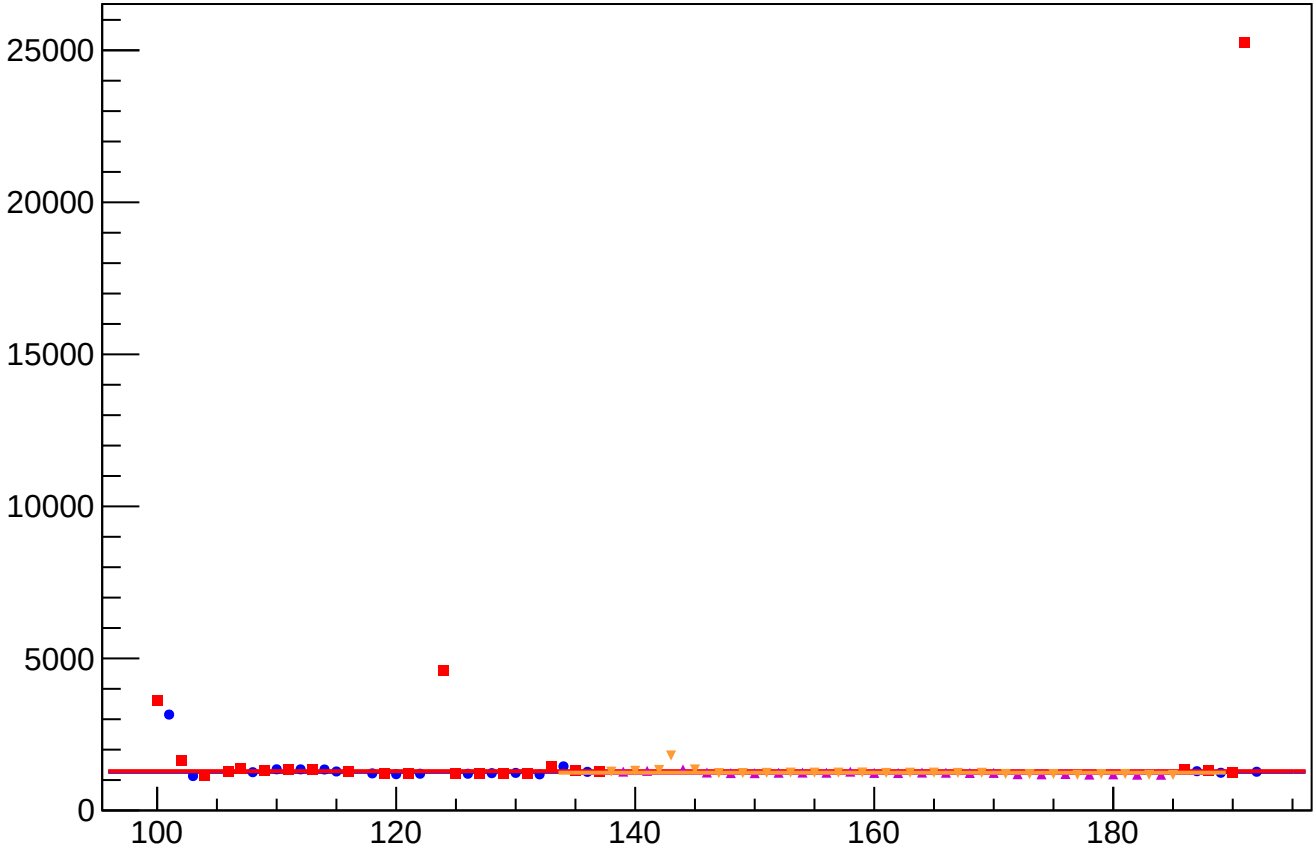
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -66.985+/-236.785 χ^2/NDF: 44.5/43

All: 51.125+/-168.617 χ^2/NDF: 79.8/89

- sign 172.639+/-240.173 χ^2/NDF: 34.7/45

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1271.084+/-0.306 χ^2/NDF: 520097.8/18

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

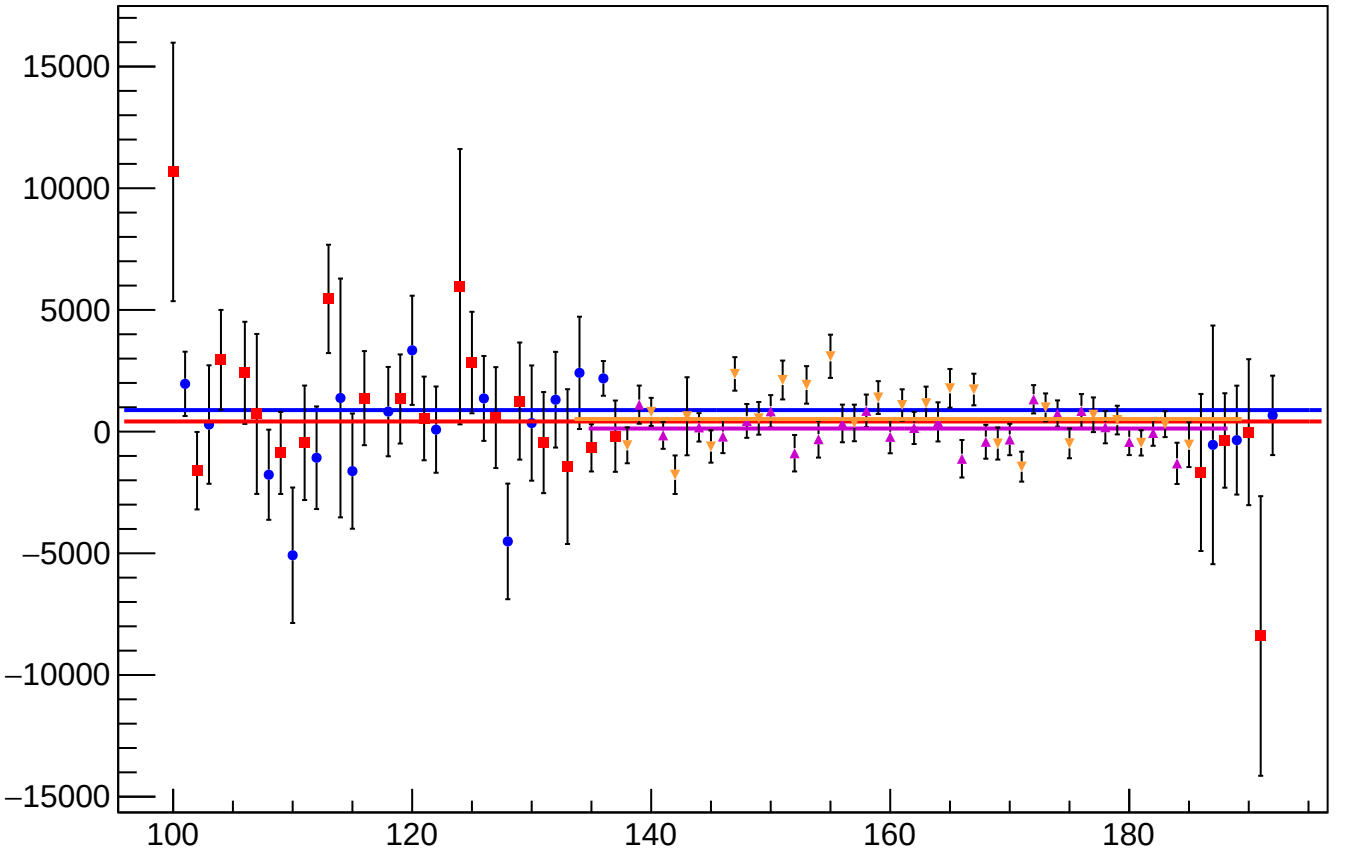
Right Out: 1291.093+/-0.307 χ^2/NDF: 473322.5/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729381.7/43

All: 1251.292+/-0.119 χ^2/NDF: 1266177.8/89

- sign 1251.276+/-0.170 χ^2/NDF: 536796.0/45



Right In: 883.994+/-403.698 χ^2/NDF: 20.3/18

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

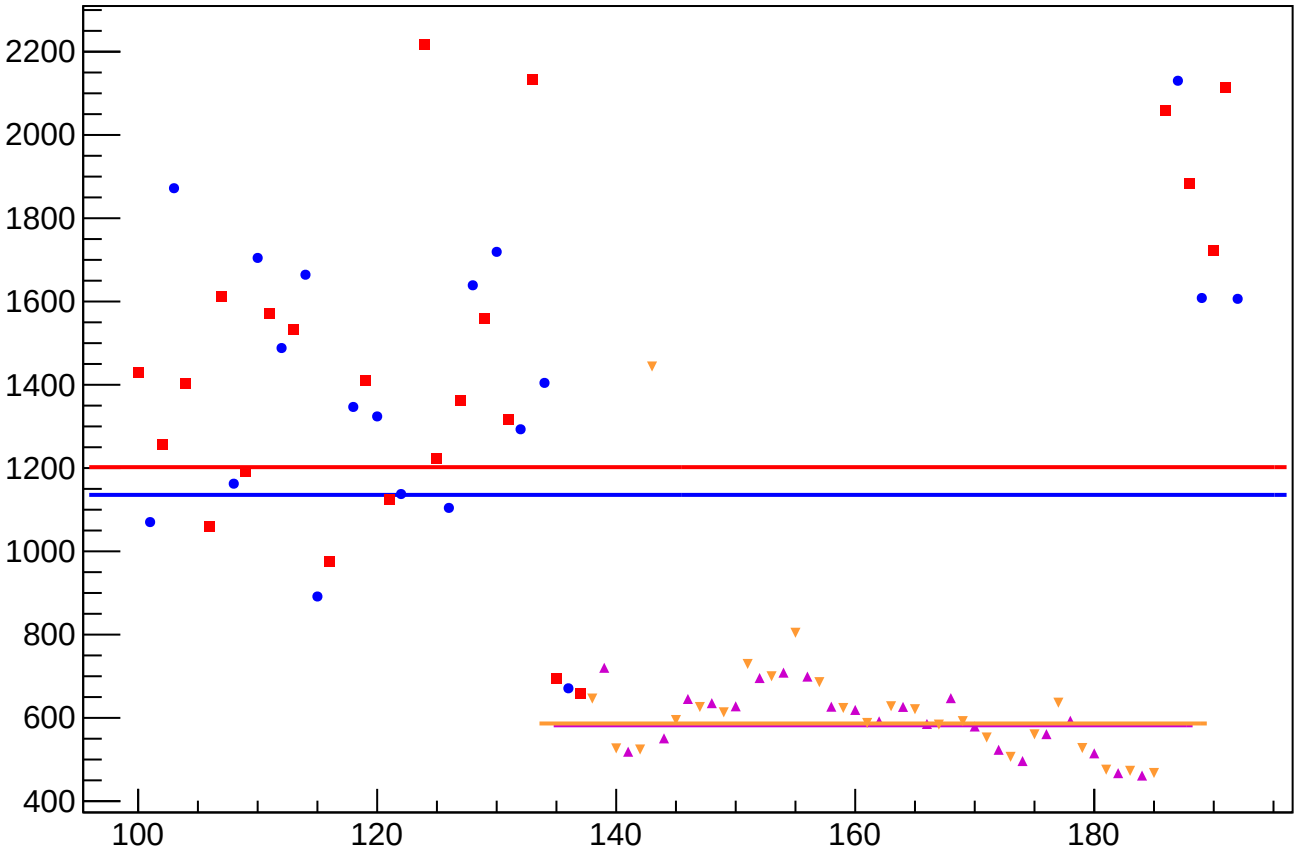
Right Out: 417.122+/-420.678 χ^2/NDF: 21.4/22

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 554.111+/-128.668 χ^2/NDF: 88.1/43

All: 357.127+/-91.621 χ^2/NDF: 136.3/89

- sign 154.510+/-130.495 χ^2/NDF: 43.4/45



Right In: 1135.578+/-0.285 χ^2/NDF: 1852278.2/18

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

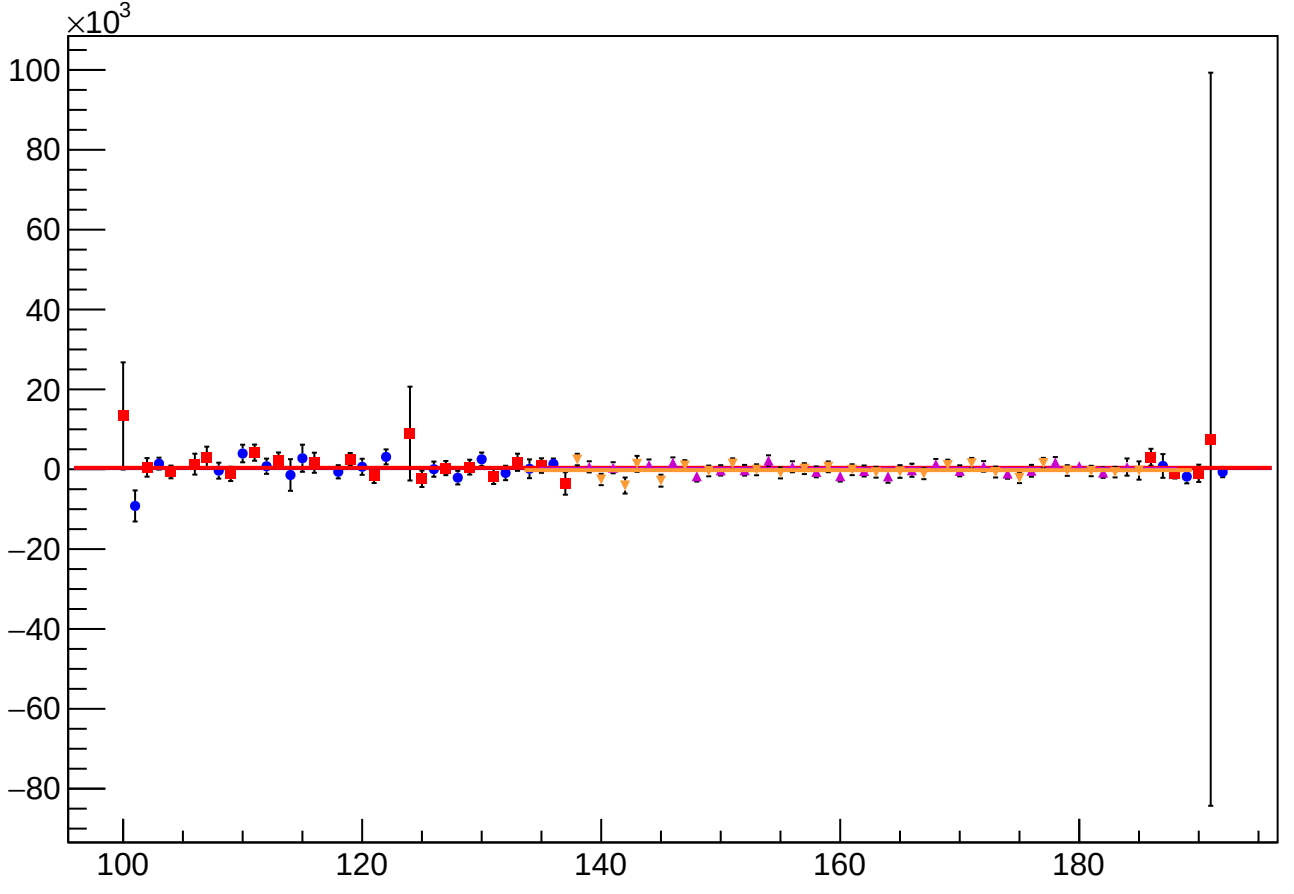
Right Out: 1202.187+/-0.297 χ^2/NDF: 1834440.2/22

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 642.333+/-0.091 χ^2/NDF: 6378364.6/43

All: 642.094+/-0.065 χ^2/NDF: 12698273.8/89

- sign 641.848+/-0.092 χ^2/NDF: 6319895.2/45



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

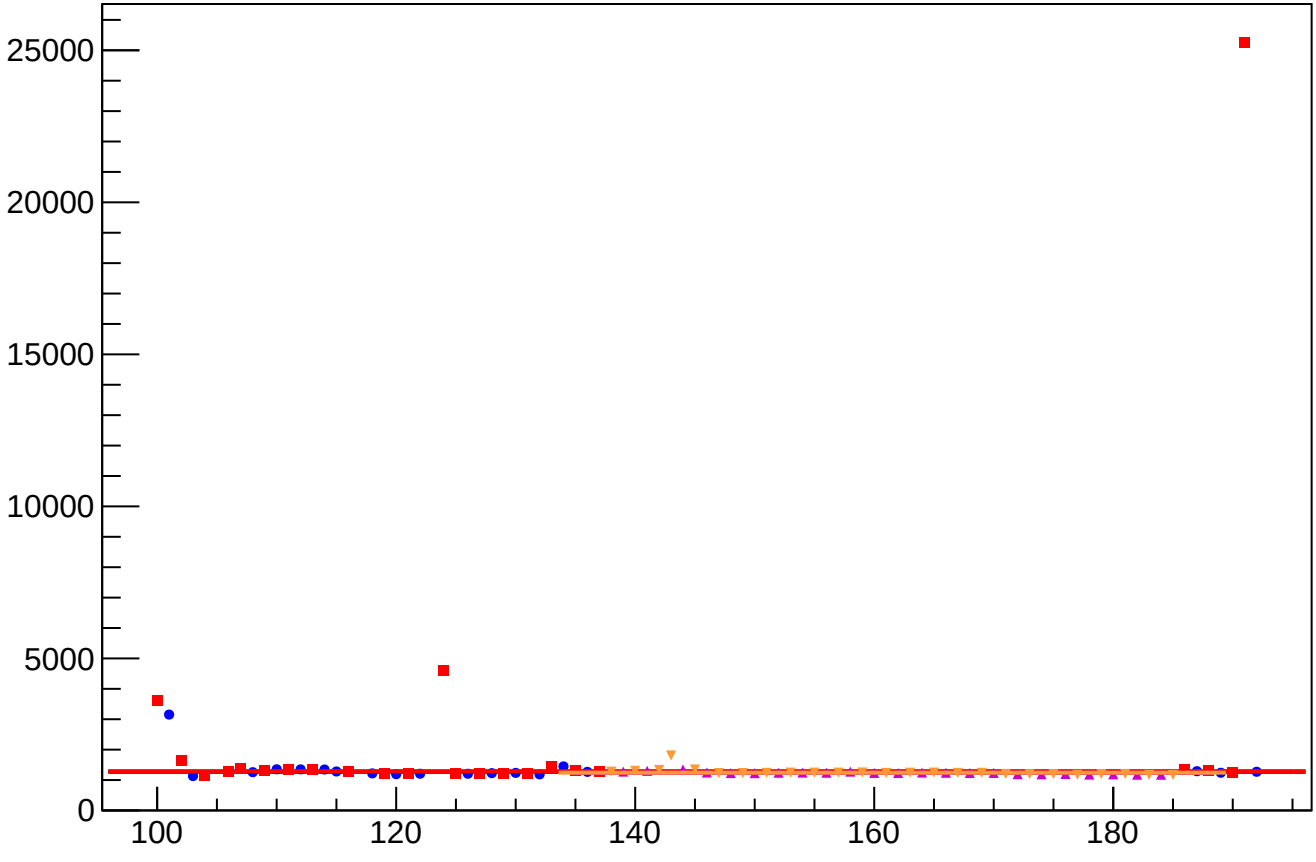
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -66.985+/-236.785 χ^2/NDF: 44.5/43

All: 51.125+/-168.617 χ^2/NDF: 79.8/89

- sign 172.639+/-240.173 χ^2/NDF: 34.7/45

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1271.084+/-0.306 χ^2/NDF: 520097.8/18

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

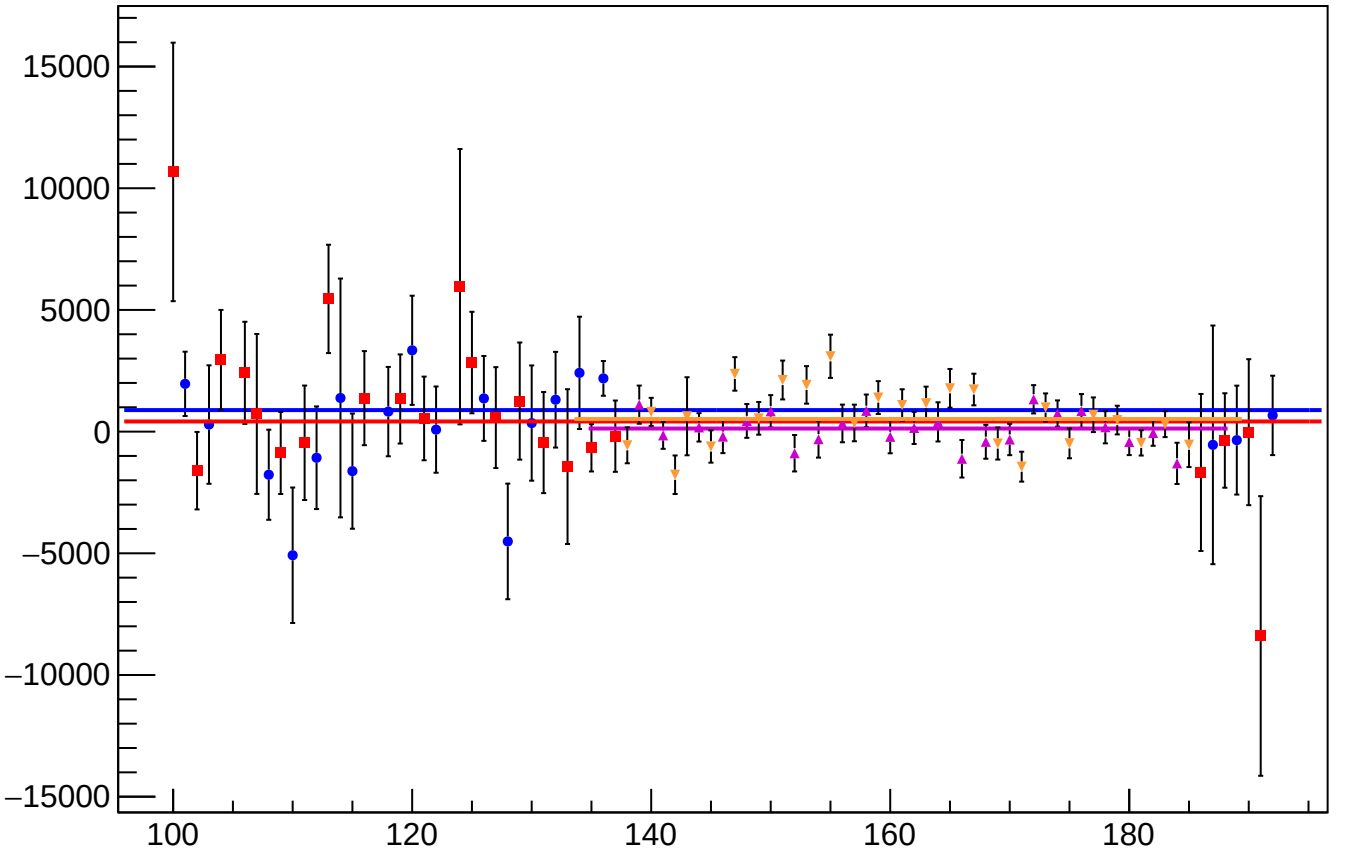
Right Out: 1291.093+/-0.307 χ^2/NDF: 473322.5/22

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729381.7/43

All: 1251.292+/-0.119 χ^2/NDF: 1266177.8/89

- sign 1251.276+/-0.170 χ^2/NDF: 536796.0/45



Right In: 883.994+/-403.698 χ^2/NDF: 20.3/18

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

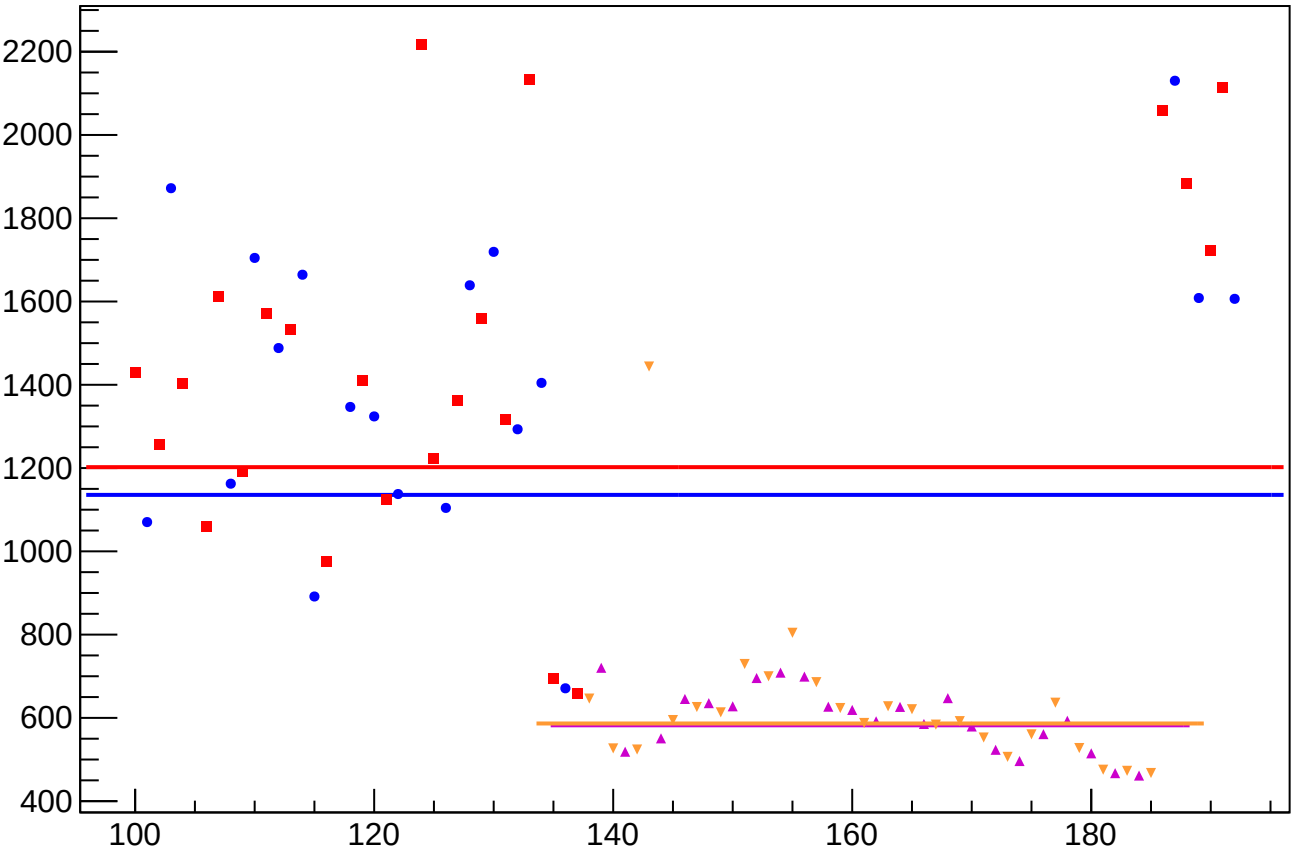
Right Out: 417.122+/-420.678 χ^2/NDF: 21.4/22

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 554.111+/-128.668 χ^2/NDF: 88.1/43

All: 357.127+/-91.621 χ^2/NDF: 136.3/89

- sign 154.510+/-130.495 χ^2/NDF: 43.4/45



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

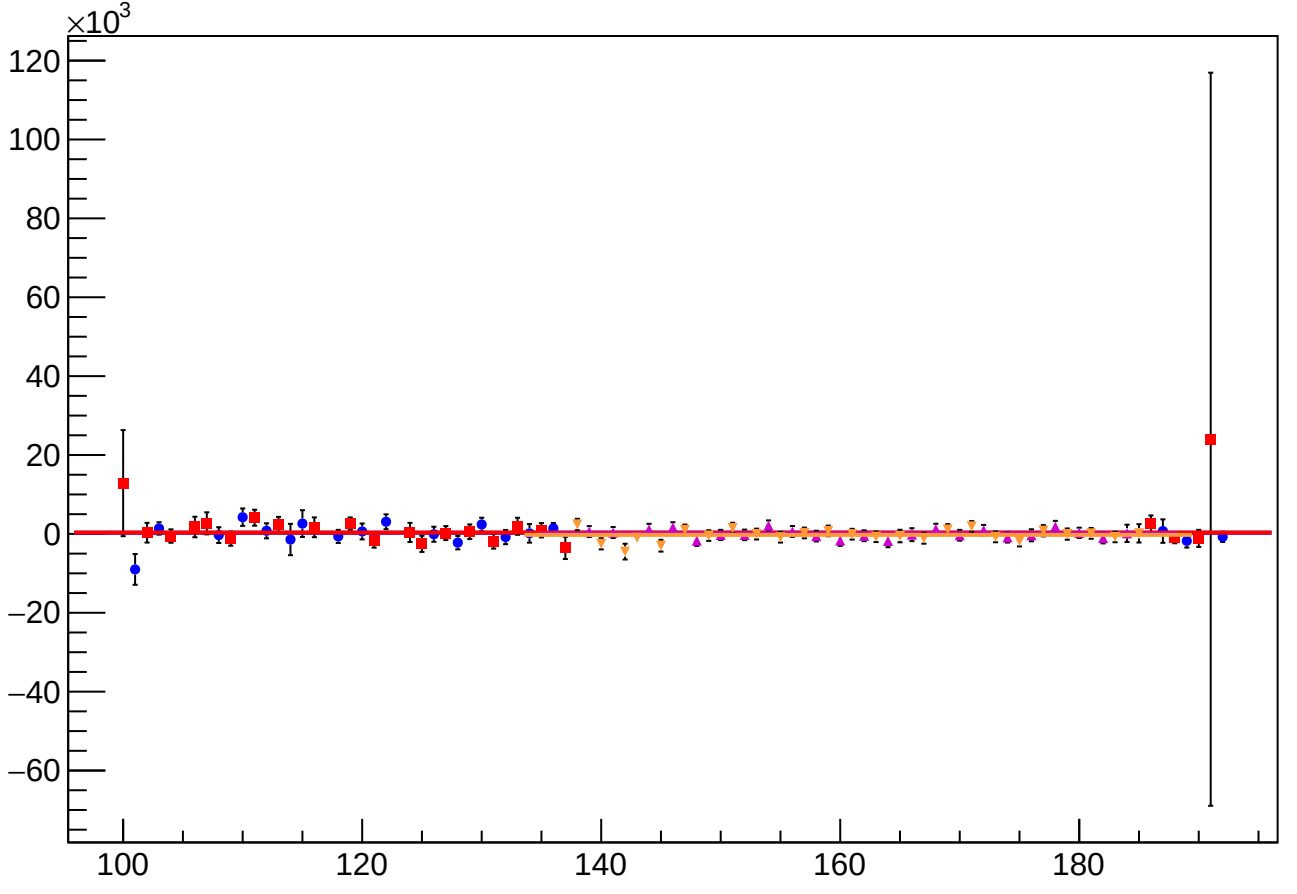
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 642.333+/-0.091 χ^2/NDF: 6378364.6/43

All: 642.094+/-0.065 χ^2/NDF: 12698273.8/89

- sign 641.848+/-0.092 χ^2/NDF: 6319895.2/45

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



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

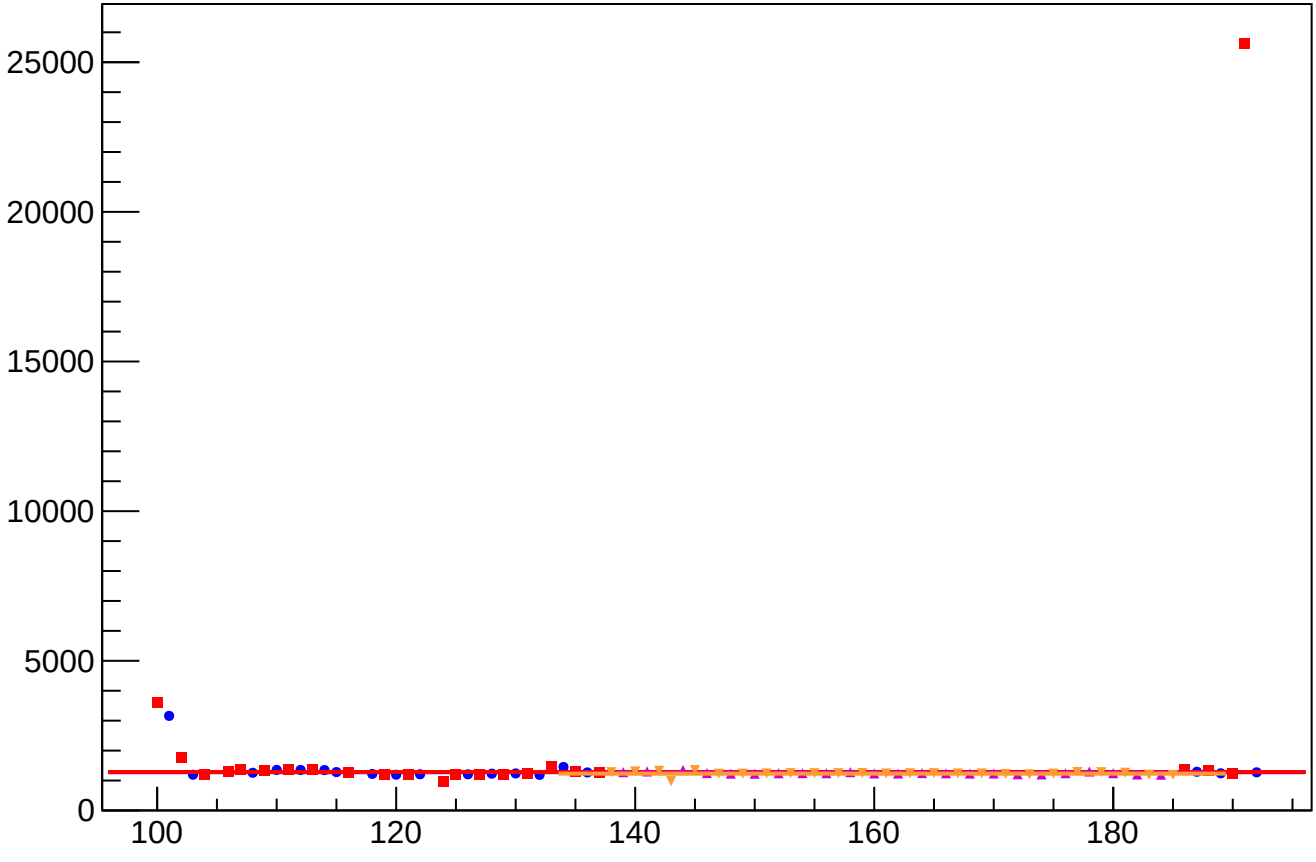
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -92.471+/-235.305 χ^2/NDF: 44.7/43

All: 29.221+/-168.529 χ^2/NDF: 78.9/89

- sign 157.392+/-241.488 χ^2/NDF: 33.6/45

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1278.177+/-0.307 χ^2/NDF: 508172.4/18

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

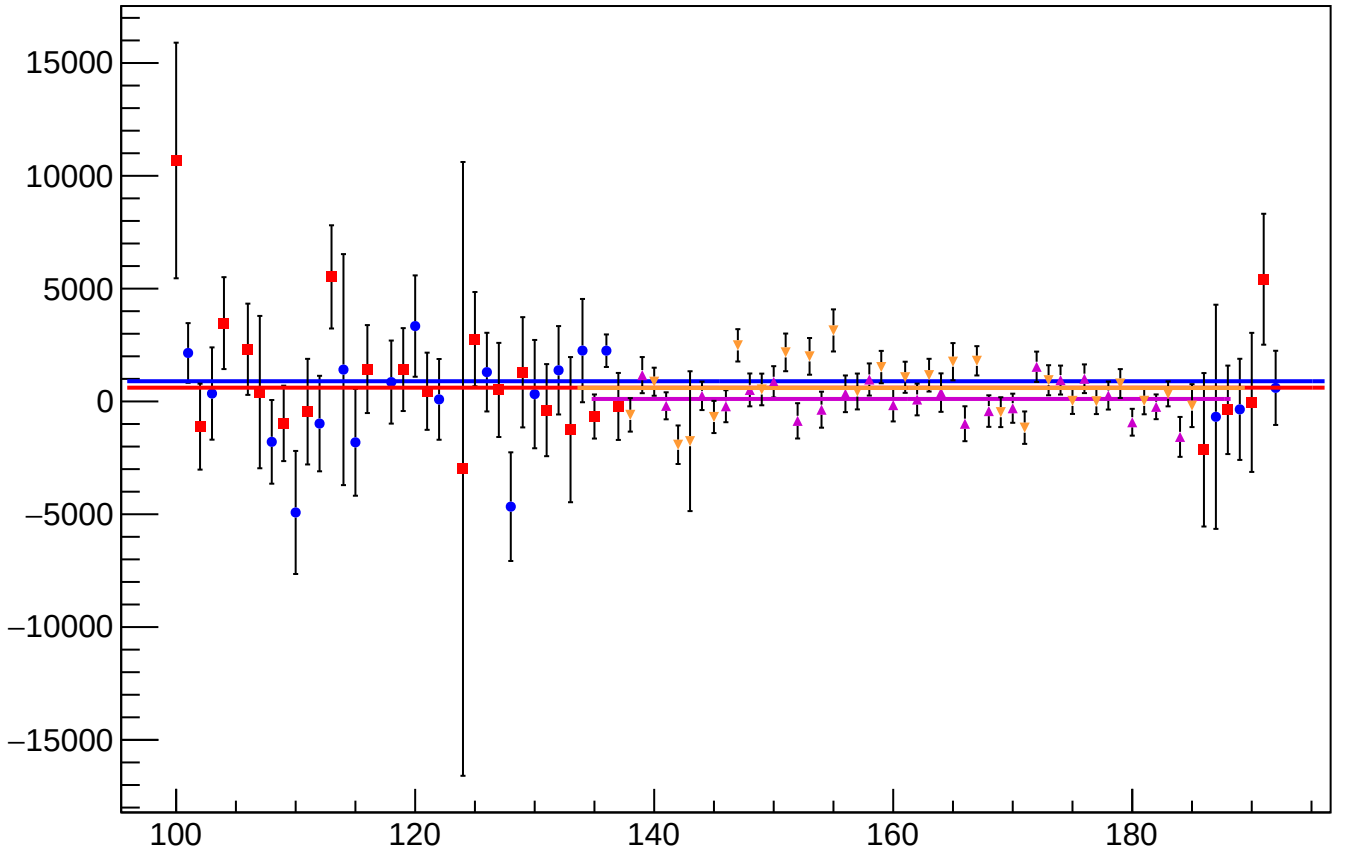
Right Out: 1285.133+/-0.305 χ^2/NDF: 367809.6/22

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1244.124+/-0.166 χ^2/NDF: 667170.7/43

All: 1251.610+/-0.119 χ^2/NDF: 1076772.2/89

- sign 1259.494+/-0.171 χ^2/NDF: 405445.9/45



Right In: 896.164+/-403.558 χ^2/NDF: 20.9/18

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

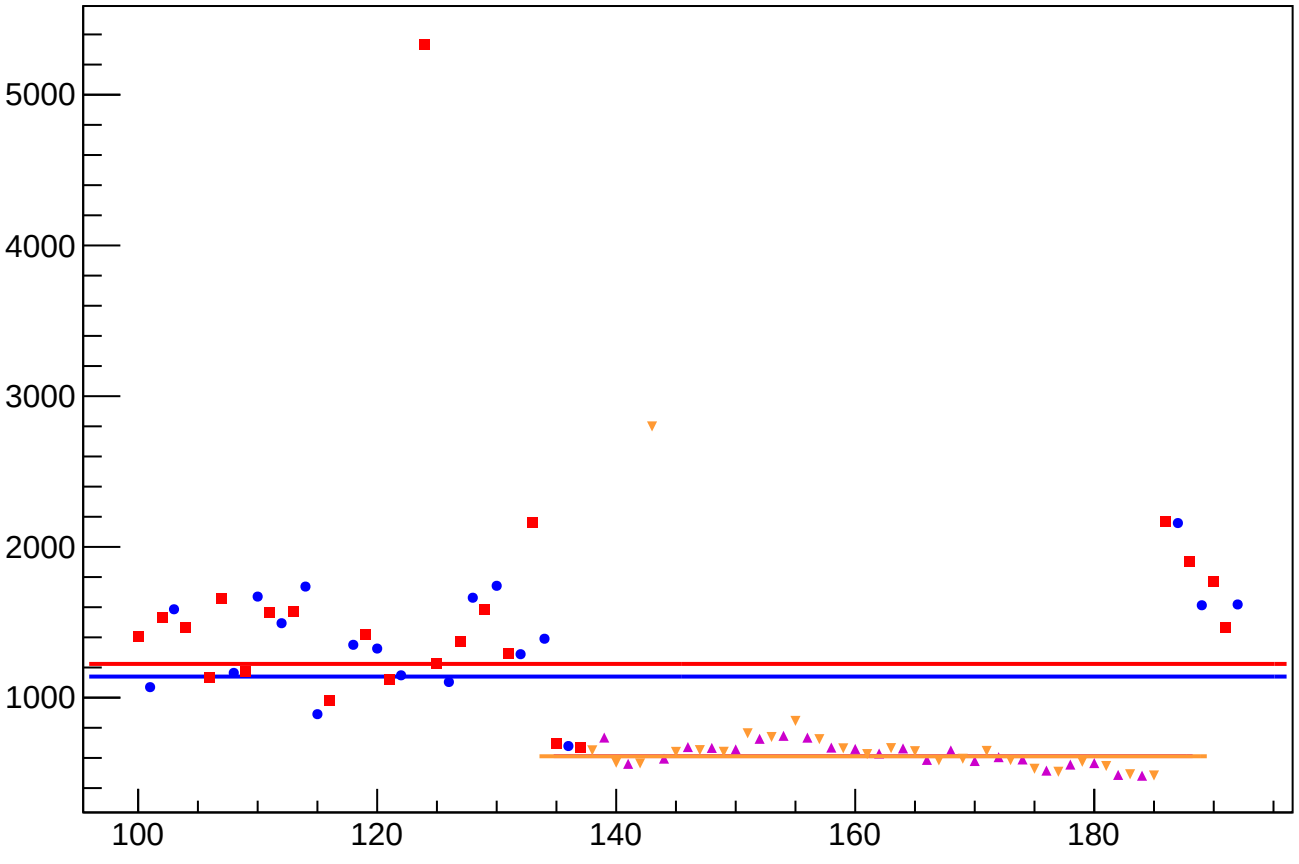
Right Out: 610.188+/-424.130 χ^2/NDF: 20.8/22

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 628.234+/-134.059 χ^2/NDF: 78.7/43

All: 399.449+/-95.663 χ^2/NDF: 132.5/89

- sign 162.074+/-136.552 χ^2/NDF: 47.8/45



Right In: 1139.838+/-0.285 χ^2/NDF: 1738071.5/18

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

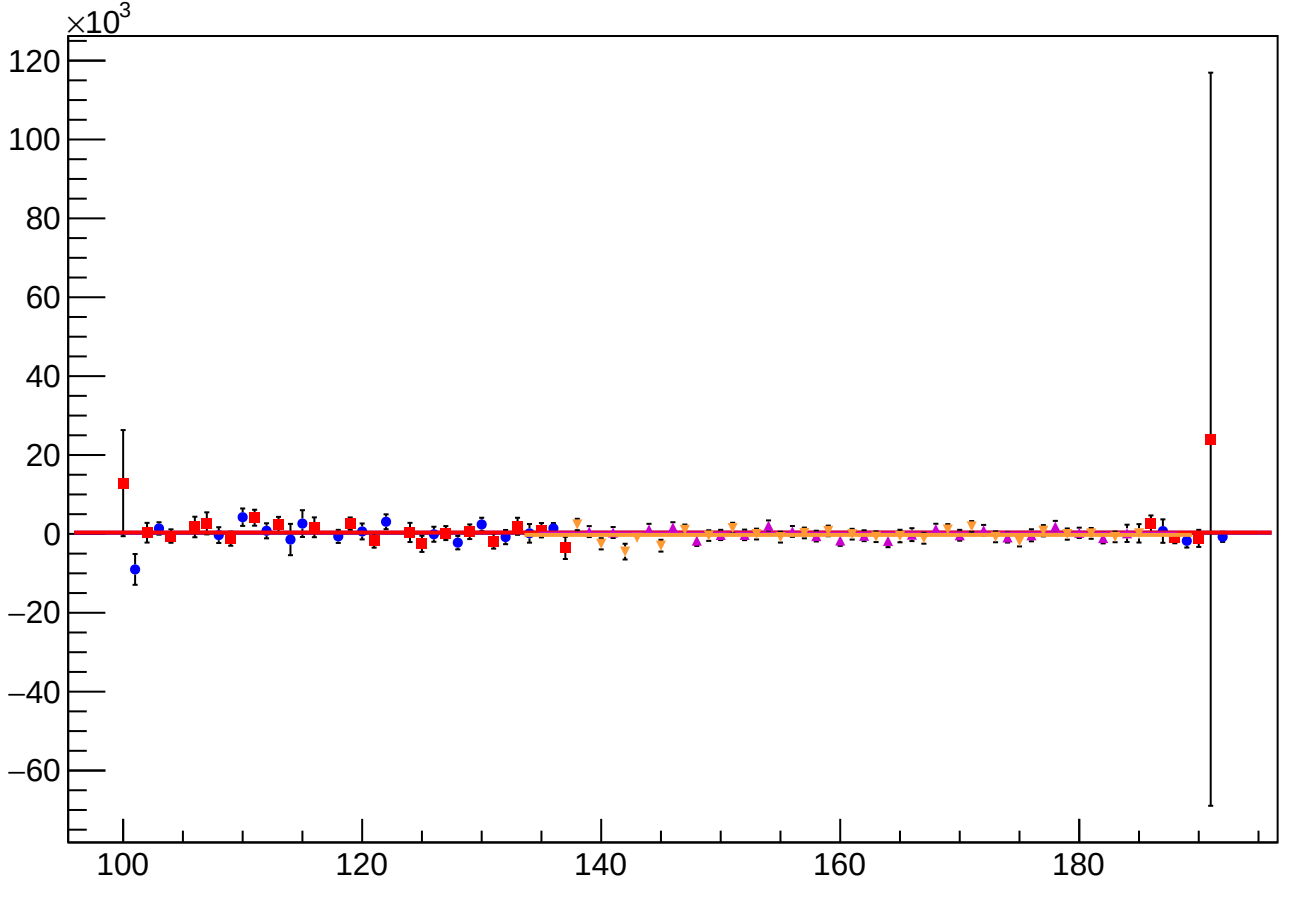
Right Out: 1223.781+/-0.300 χ^2/NDF: 2006413.3/22

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 669.435+/-0.095 χ^2/NDF: 6411881.9/43

All: 672.546+/-0.068 χ^2/NDF: 12654121.9/89

- sign 675.773+/-0.097 χ^2/NDF: 6240046.1/45



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

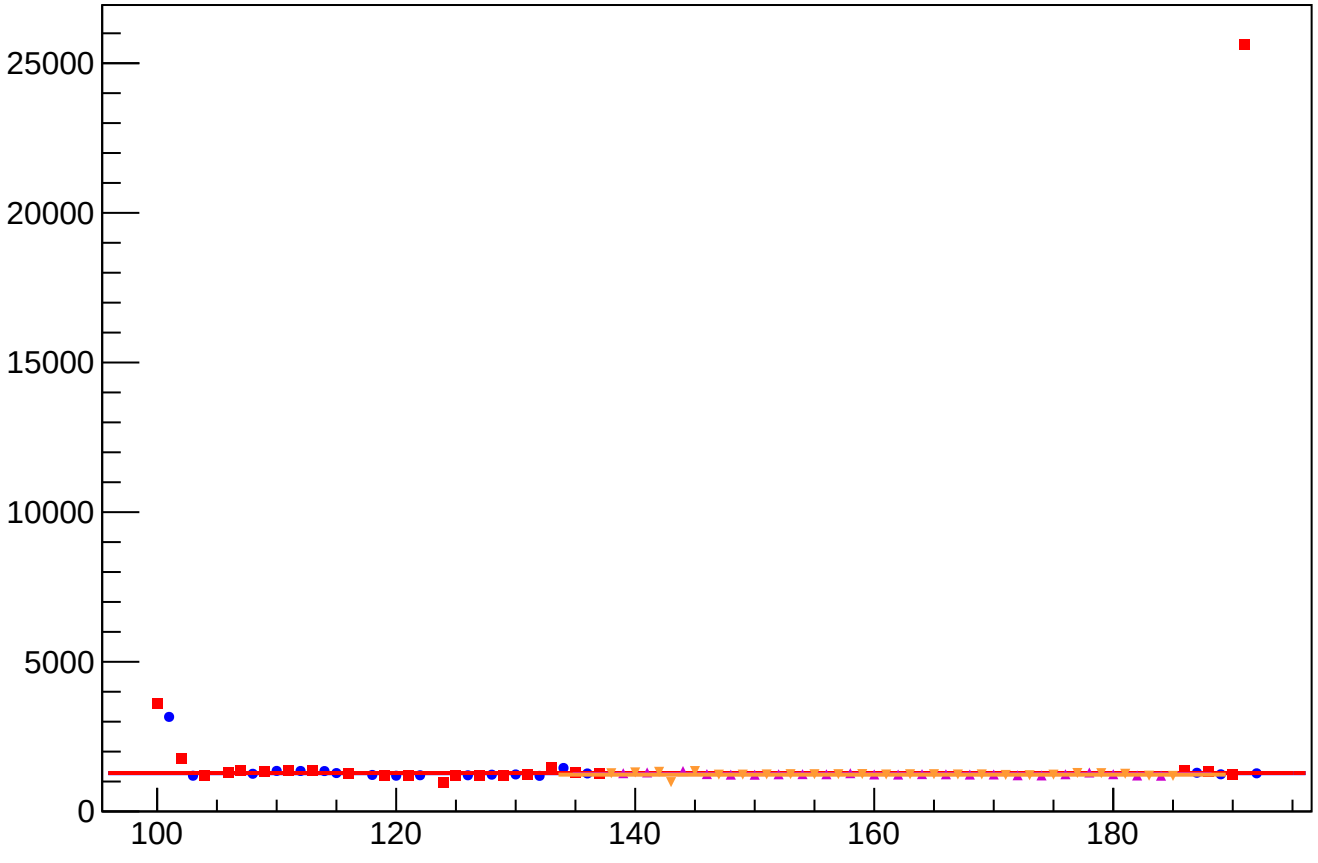
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -92.471+/-235.305 χ^2/NDF: 44.7/43

All: 29.221+/-168.529 χ^2/NDF: 78.9/89

- sign 157.392+/-241.488 χ^2/NDF: 33.6/45

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1278.177+/-0.307 χ^2/NDF: 508172.5/18

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

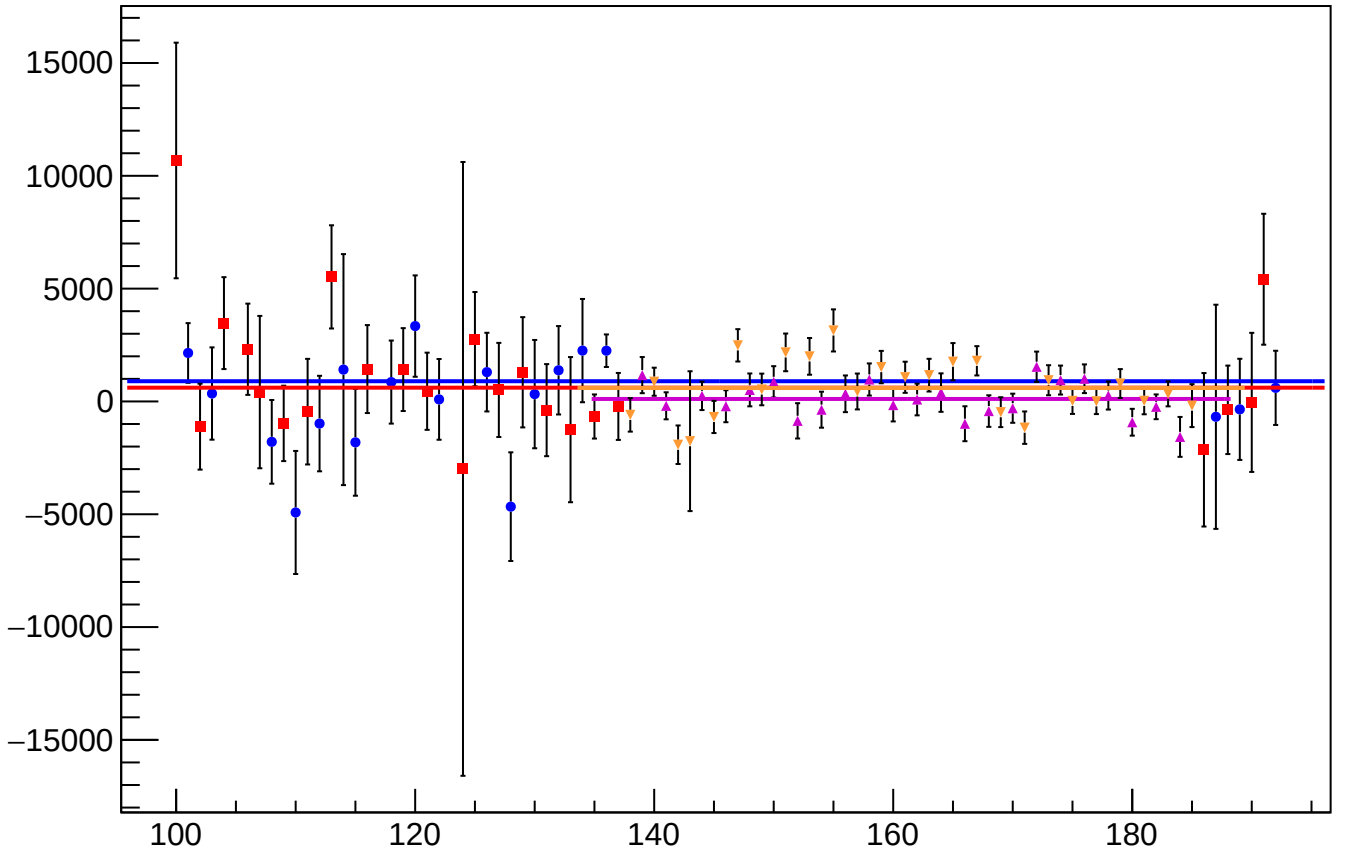
Right Out: 1285.133+/-0.305 χ^2/NDF: 367809.5/22

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1244.124+/-0.166 χ^2/NDF: 667169.8/43

All: 1251.610+/-0.119 χ^2/NDF: 1076771.2/89

- sign 1259.494+/-0.171 χ^2/NDF: 405445.8/45



Right In: 896.158+/-403.560 χ^2/NDF: 20.9/18

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

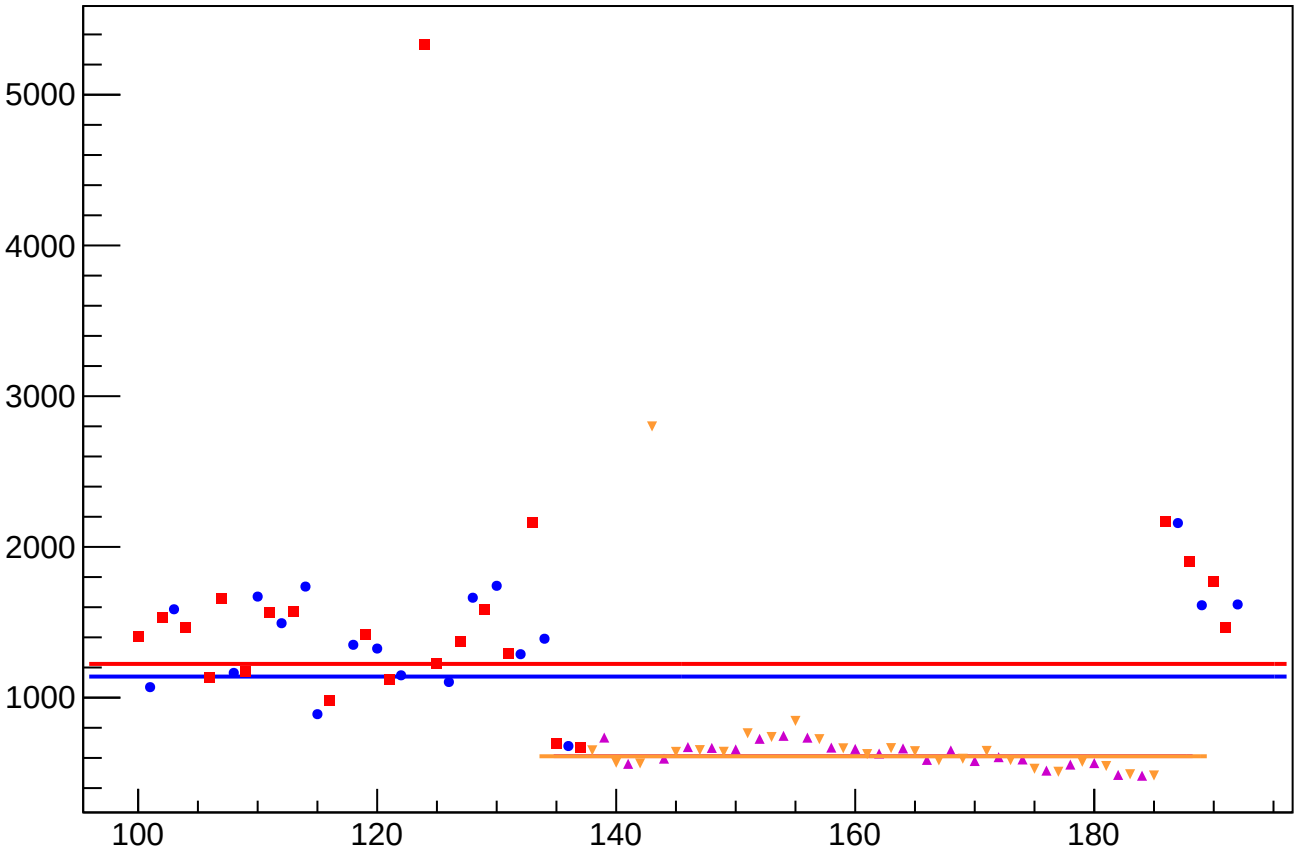
Right Out: 610.198+/-424.132 χ^2/NDF: 20.8/22

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 628.233+/-134.059 χ^2/NDF: 78.7/43

All: 399.448+/-95.663 χ^2/NDF: 132.5/89

- sign 162.074+/-136.552 χ^2/NDF: 47.8/45



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

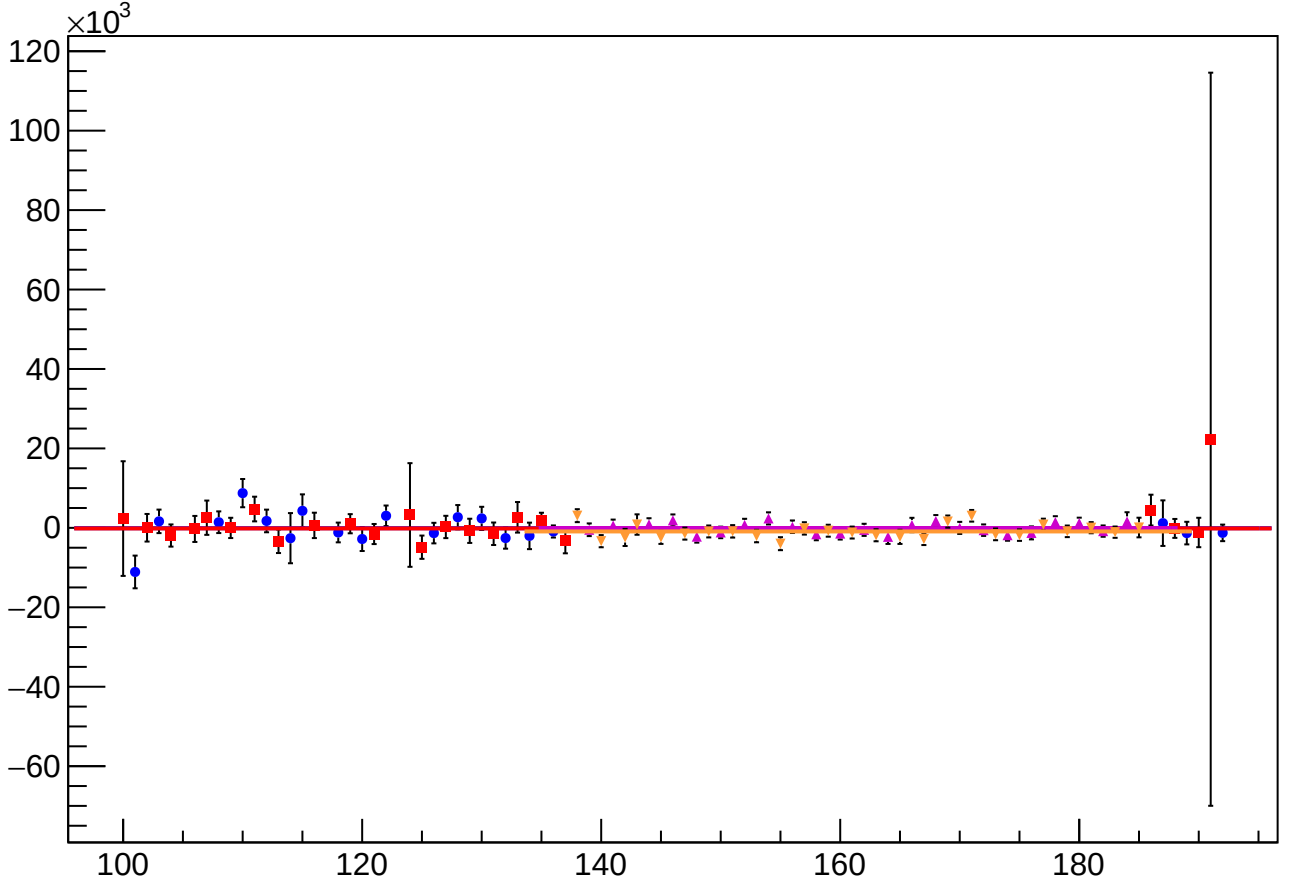
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

\+ sign 669.435+/-0.095 χ^2/NDF: 6411865.5/43

All: 672.546+/-0.068 χ^2/NDF: 12654116.1/89

\- sign 675.773+/-0.097 χ^2/NDF: 6240057.1/45

asym_at1_dd_at2_dd_avg_mean vs Slug



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

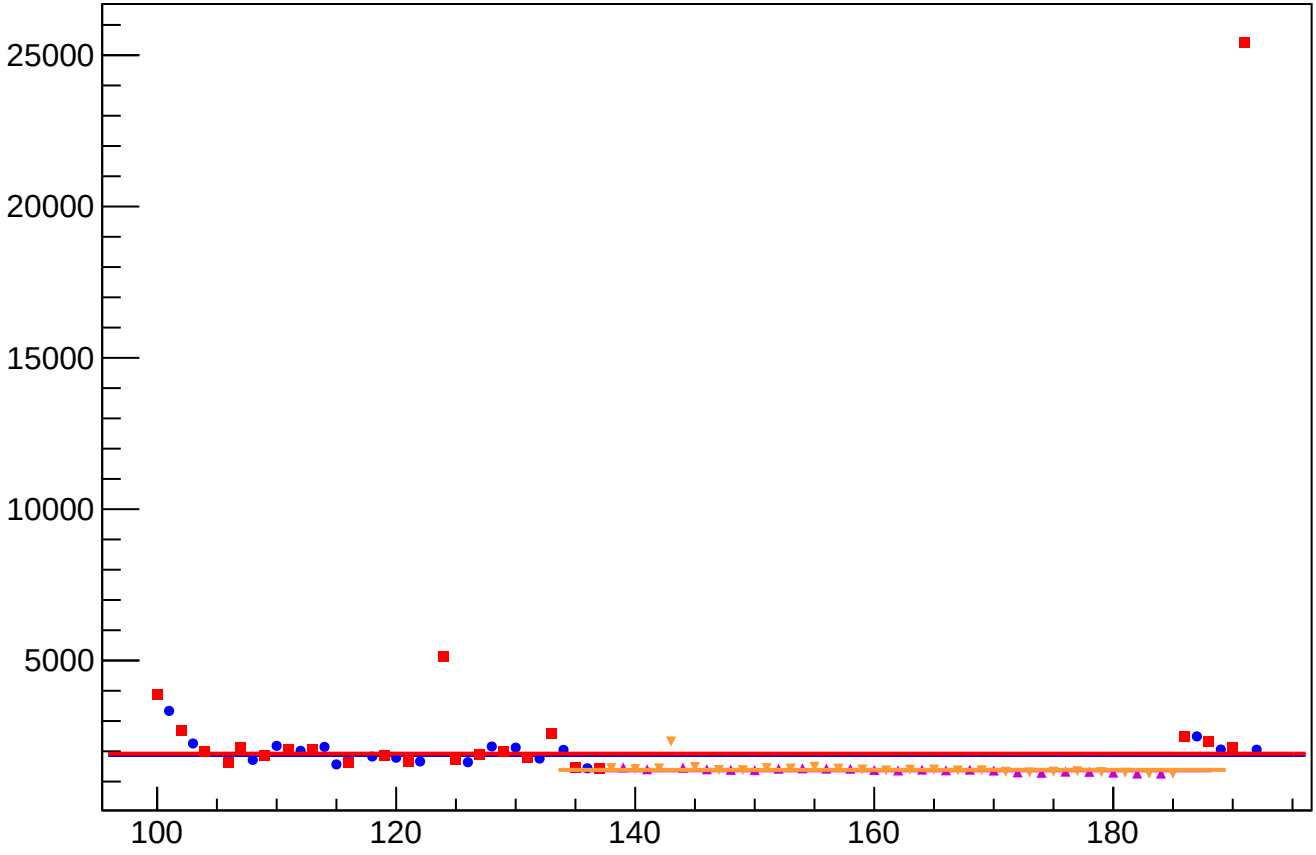
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -740.828+/-283.783 χ^2/NDF: 53.0/43

All: -408.924+/-202.093 χ^2/NDF: 85.6/89

- sign -67.404+/-287.865 χ^2/NDF: 29.8/45

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1878.628+/-0.453 χ^2/NDF: 607888.3/18

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

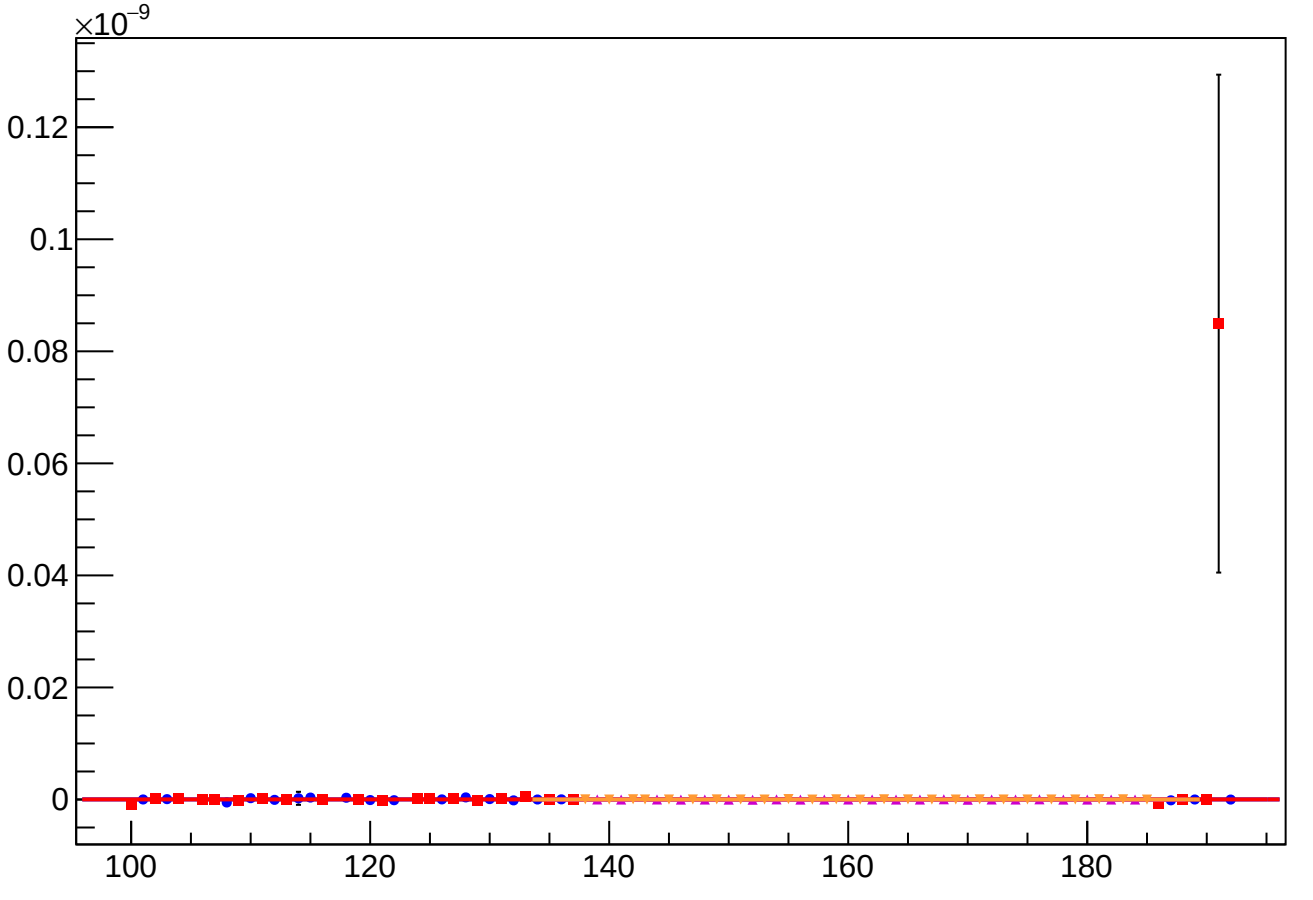
Right Out: 1922.161+/-0.460 χ^2/NDF: 774518.5/22

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1483.135+/-0.201 χ^2/NDF: 1893441.2/43

All: 1481.838+/-0.143 χ^2/NDF: 3876140.8/89

- sign 1480.503+/-0.204 χ^2/NDF: 1982614.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

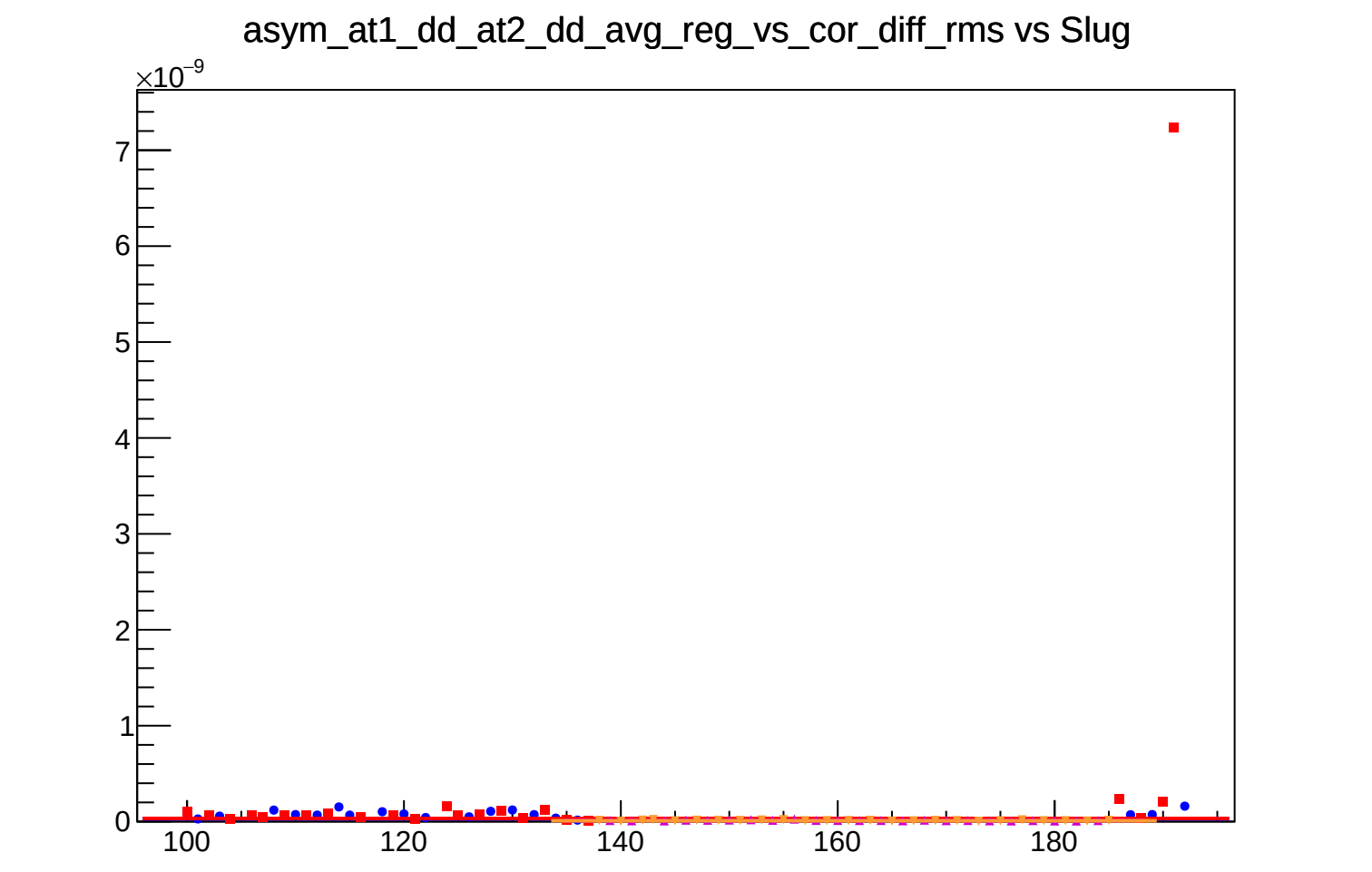
Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/22

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/43

All: 0.000+/-0.000 χ^2/NDF: 91.7/89

- sign -0.000+/-0.000 χ^2/NDF: 48.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 3386043.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

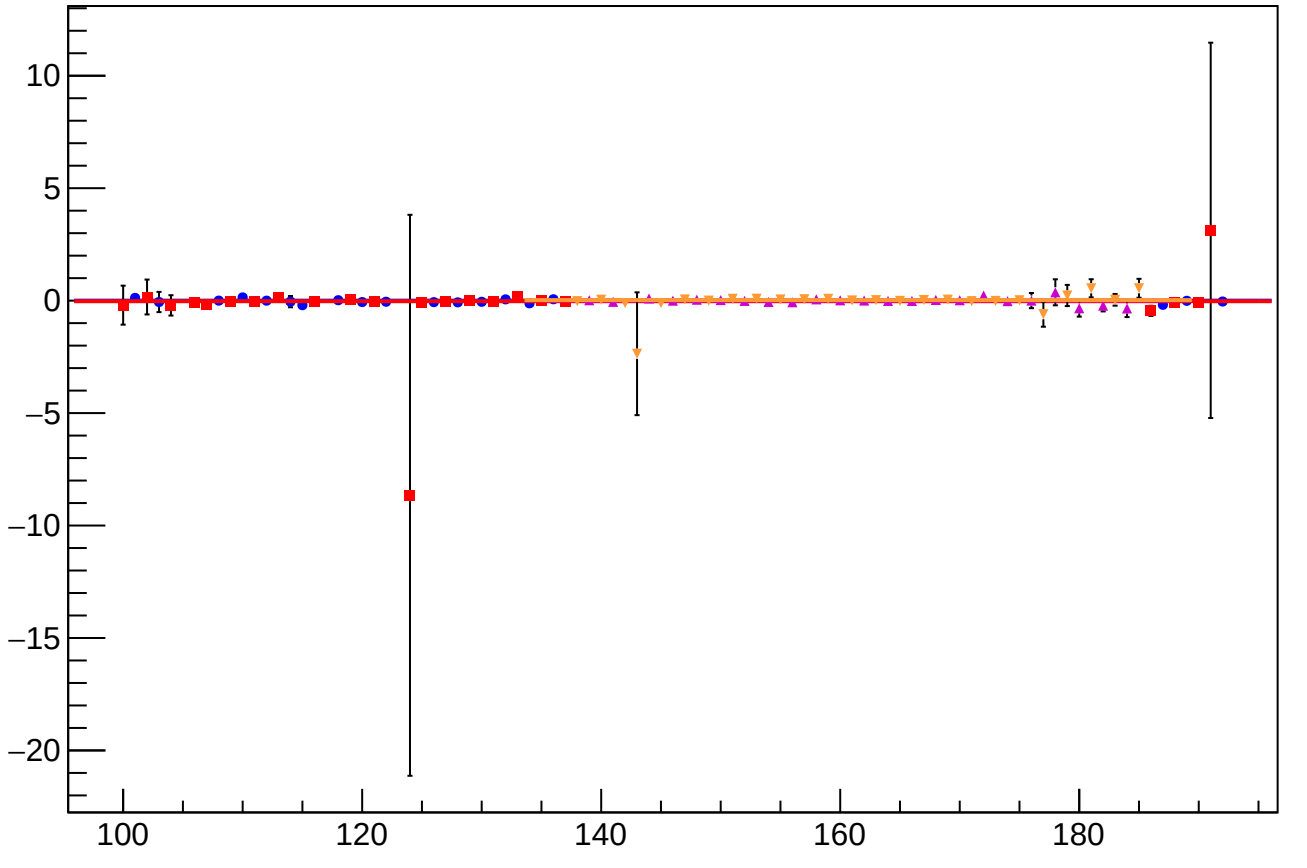
Right Out: 0.000+/-0.000 χ^2/NDF: 2974385.8/22

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7708858.8/43

All: 0.000+/-0.000 χ^2/NDF: 14253257.7/89

- sign 0.000+/-0.000 χ^2/NDF: 6291669.3/45



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

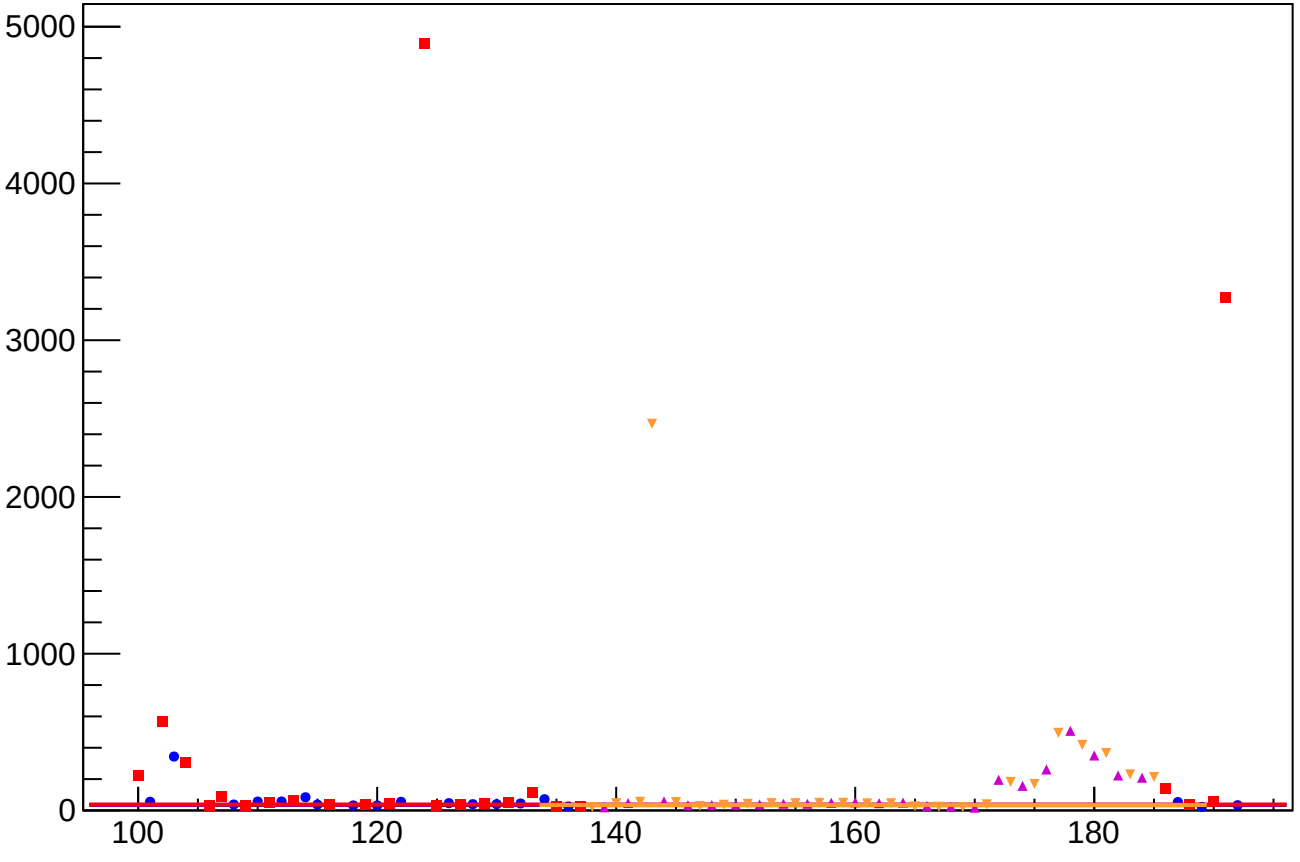
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.8/89

- sign -0.001+/-0.008 χ^2/NDF: 37.4/45

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.463+/-0.010 χ^2/NDF: 2259217.2/18

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

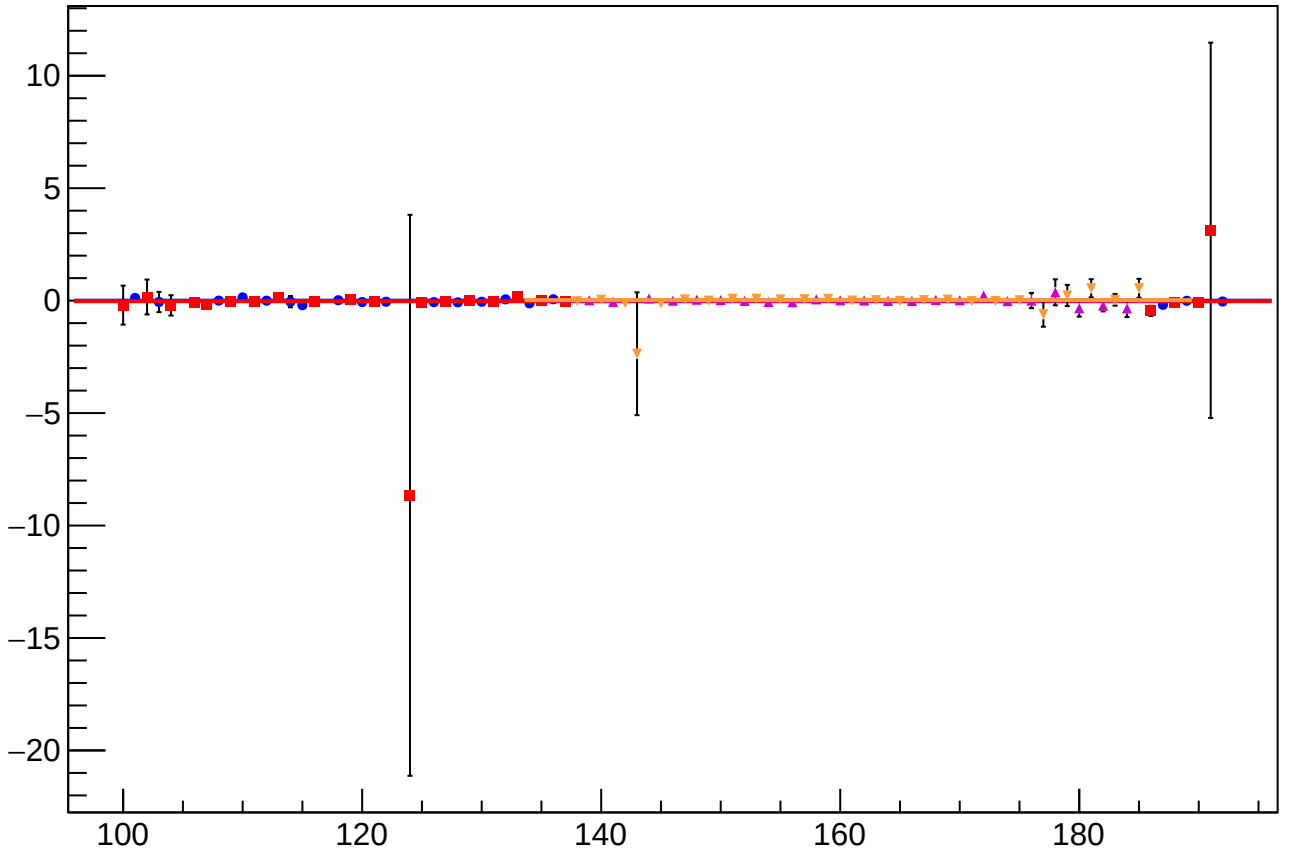
Right Out: 37.613+/-0.011 χ^2/NDF: 4009545.5/22

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.919+/-0.006 χ^2/NDF: 13666431.7/43

All: 34.859+/-0.004 χ^2/NDF: 27841788.7/89

\- sign 34.798+/-0.006 χ^2/NDF: 14175142.3/45



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

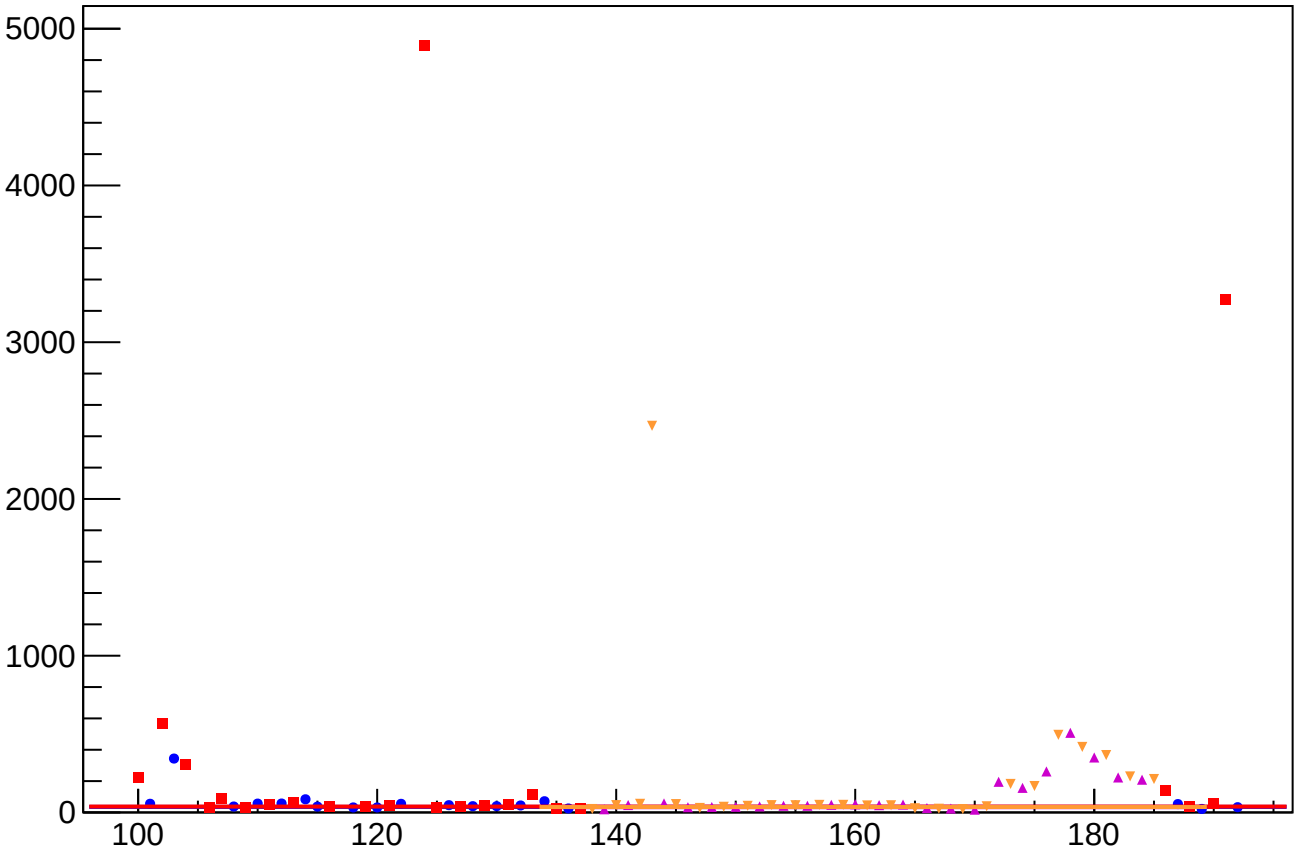
Right Out: -0.025+/-0.015 χ^2/NDF: 18.9/22

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.8/89

- sign -0.001+/-0.008 χ^2/NDF: 37.4/45



Right In: 35.463+/-0.010 χ^2/NDF: 2259217.2/18

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

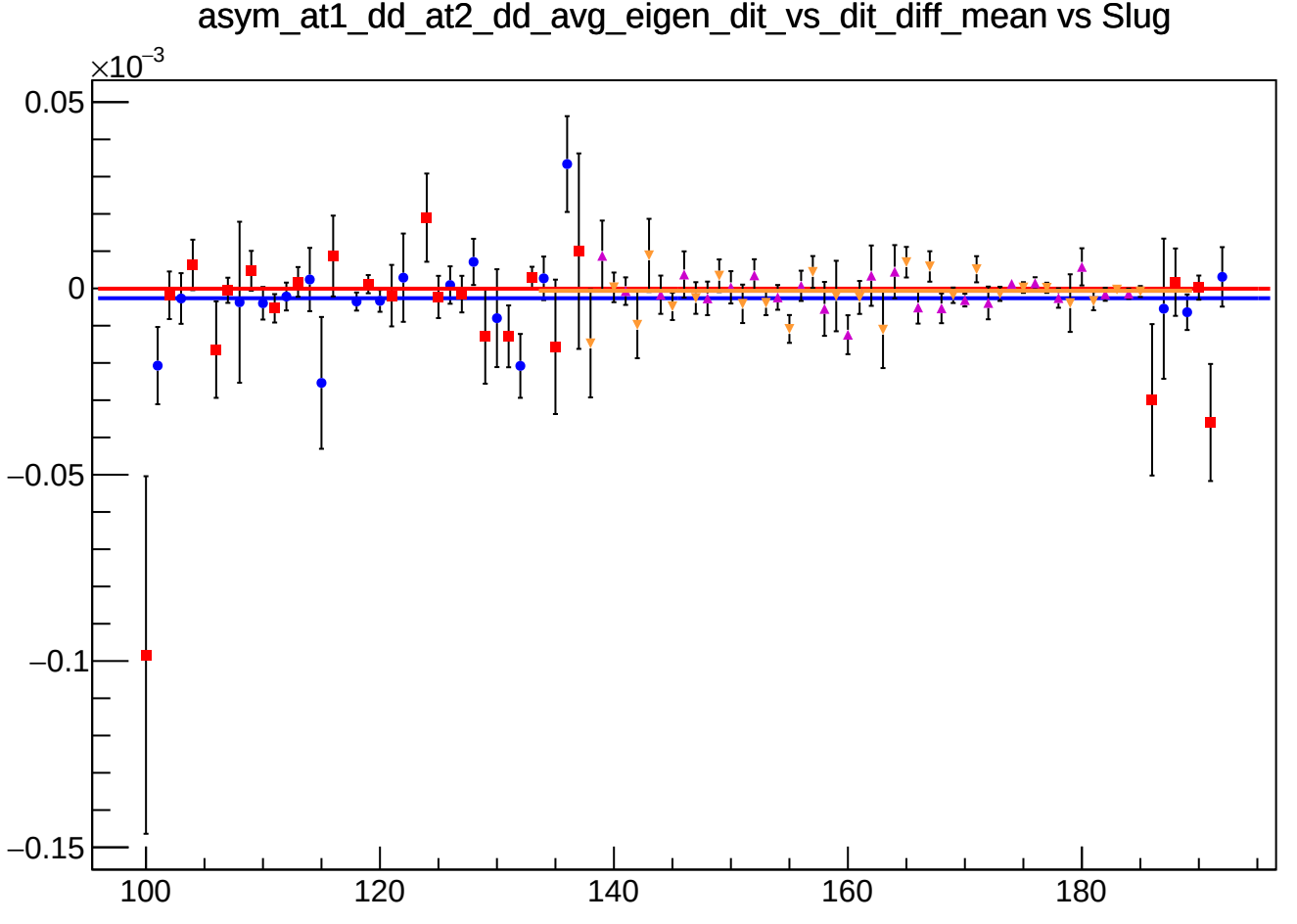
Right Out: 37.613+/-0.011 χ^2/NDF: 4009545.5/22

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.919+/-0.006 χ^2/NDF: 13666431.7/43

All: 34.859+/-0.004 χ^2/NDF: 27841788.7/89

\- sign 34.798+/-0.006 χ^2/NDF: 14175142.3/45



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

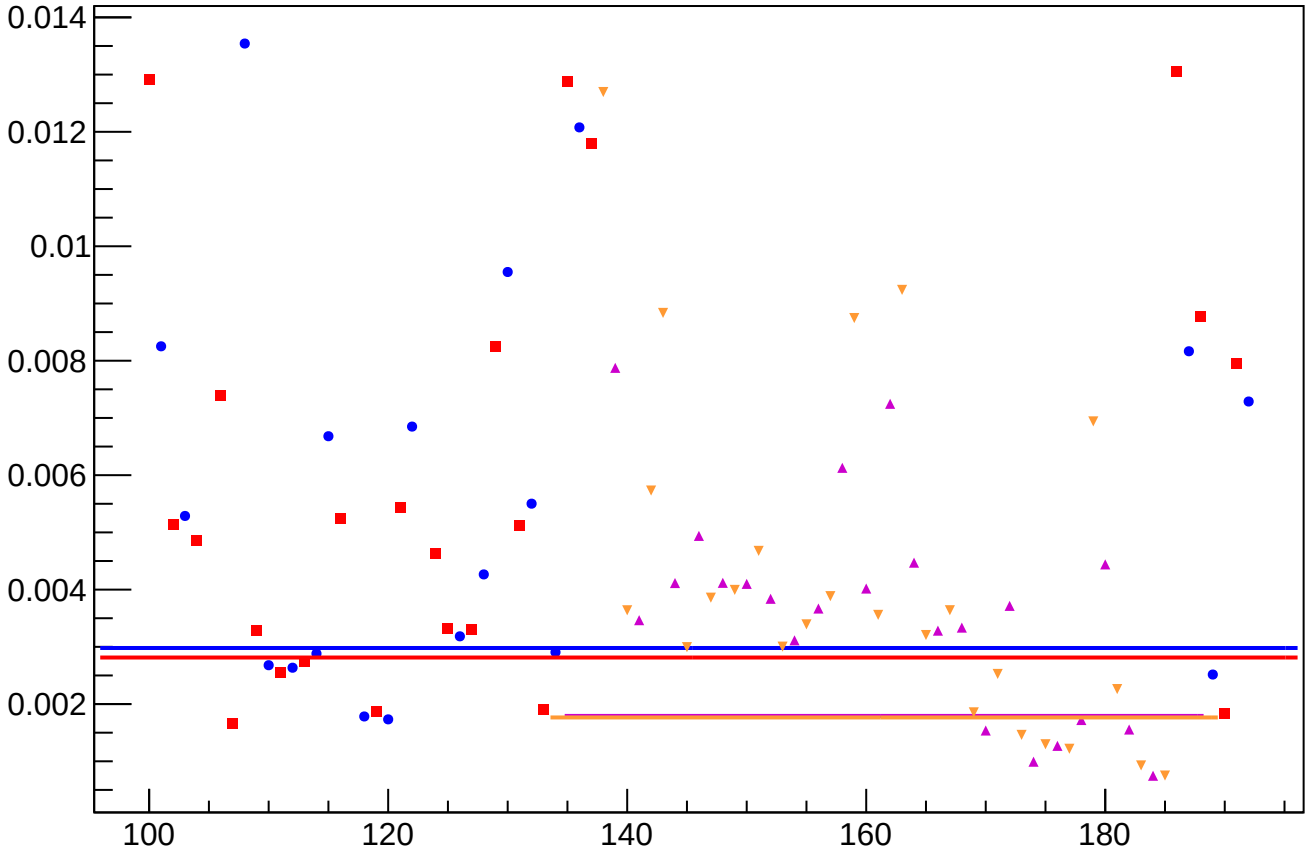
Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/22

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.6/43

All: -0.000+/-0.000 χ^2/NDF: 102.5/89

- sign -0.000+/-0.000 χ^2/NDF: 48.5/45



Right In: 0.003+/-0.000 χ^2/NDF: 4918690.9/18

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

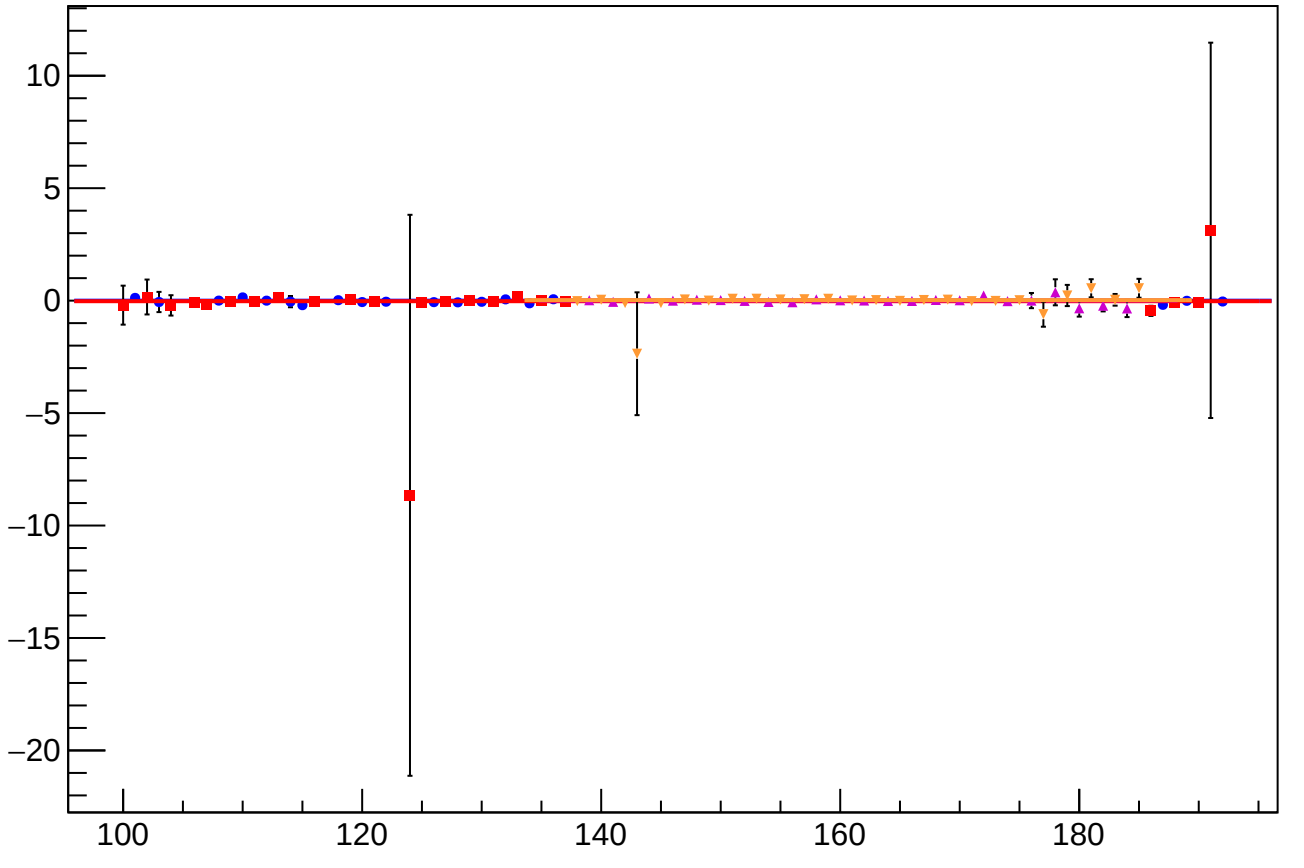
Right Out: 0.003+/-0.000 χ^2/NDF: 5087953.2/22

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 19479825.5/43

All: 0.002+/-0.000 χ^2/NDF: 36746713.4/89

- sign 0.002+/-0.000 χ^2/NDF: 17254395.7/45



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

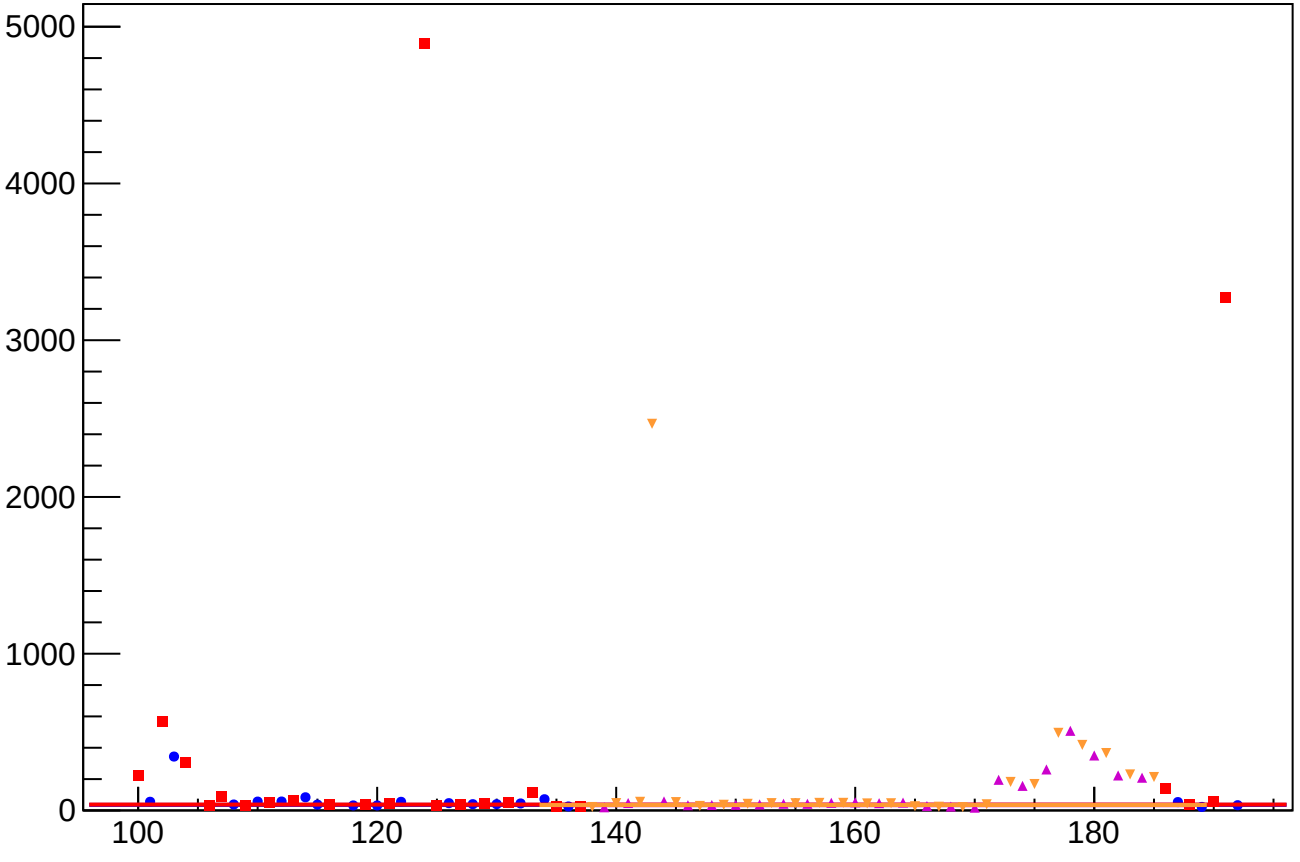
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.8/89

- sign -0.001+/-0.008 χ^2/NDF: 37.4/45

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.465+/-0.010 χ^2/NDF: 2258575.1/18

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

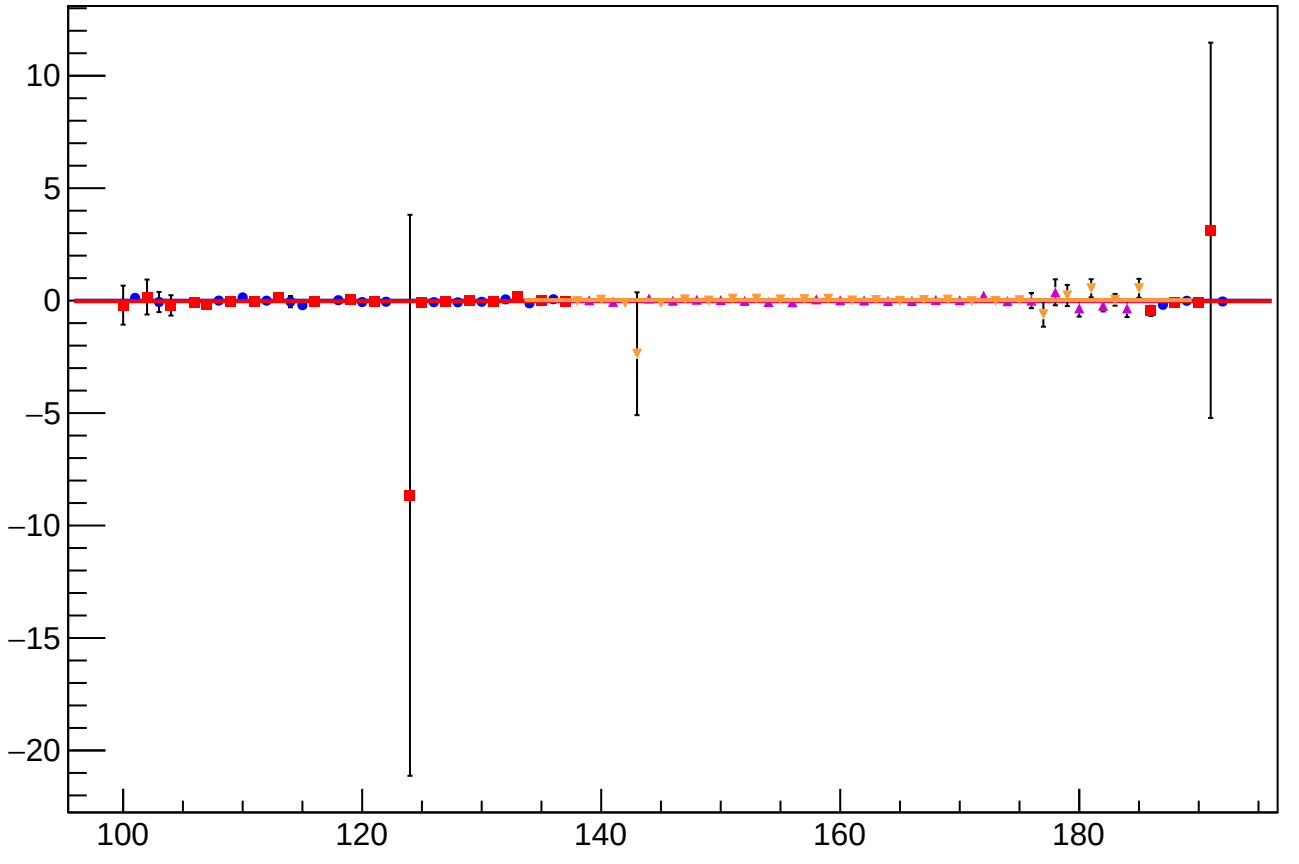
Right Out: 37.615+/-0.011 χ^2/NDF: 4009219.7/22

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 34.919+/-0.006 χ^2/NDF: 13665940.6/43

All: 34.860+/-0.004 χ^2/NDF: 27839671.0/89

\- sign 34.800+/-0.006 χ^2/NDF: 14173522.8/45



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

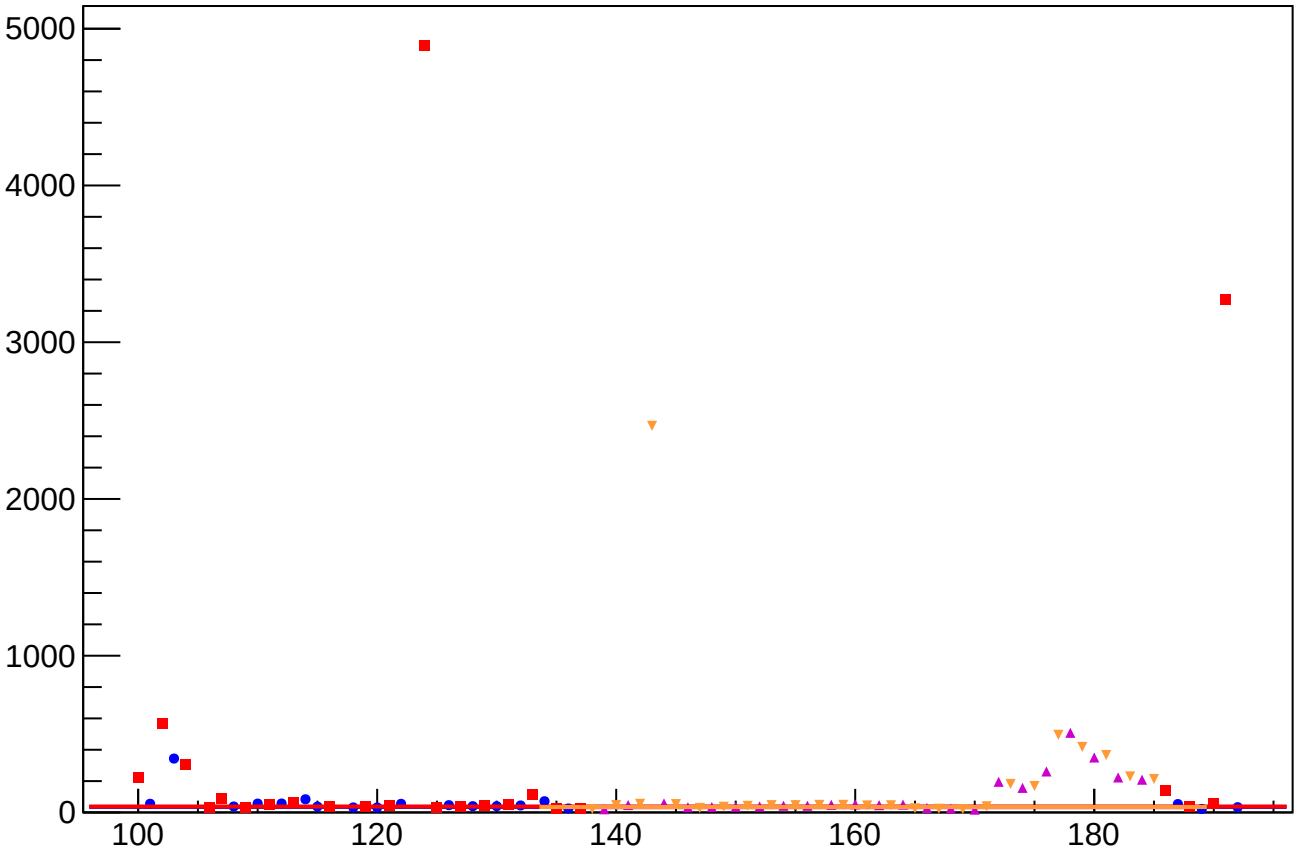
Right Out: -0.025+/-0.015 χ^2/NDF: 18.9/22

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.8/89

- sign -0.001+/-0.008 χ^2/NDF: 37.4/45



Right In: 35.465+/-0.010 χ^2/NDF: 2258575.1/18

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

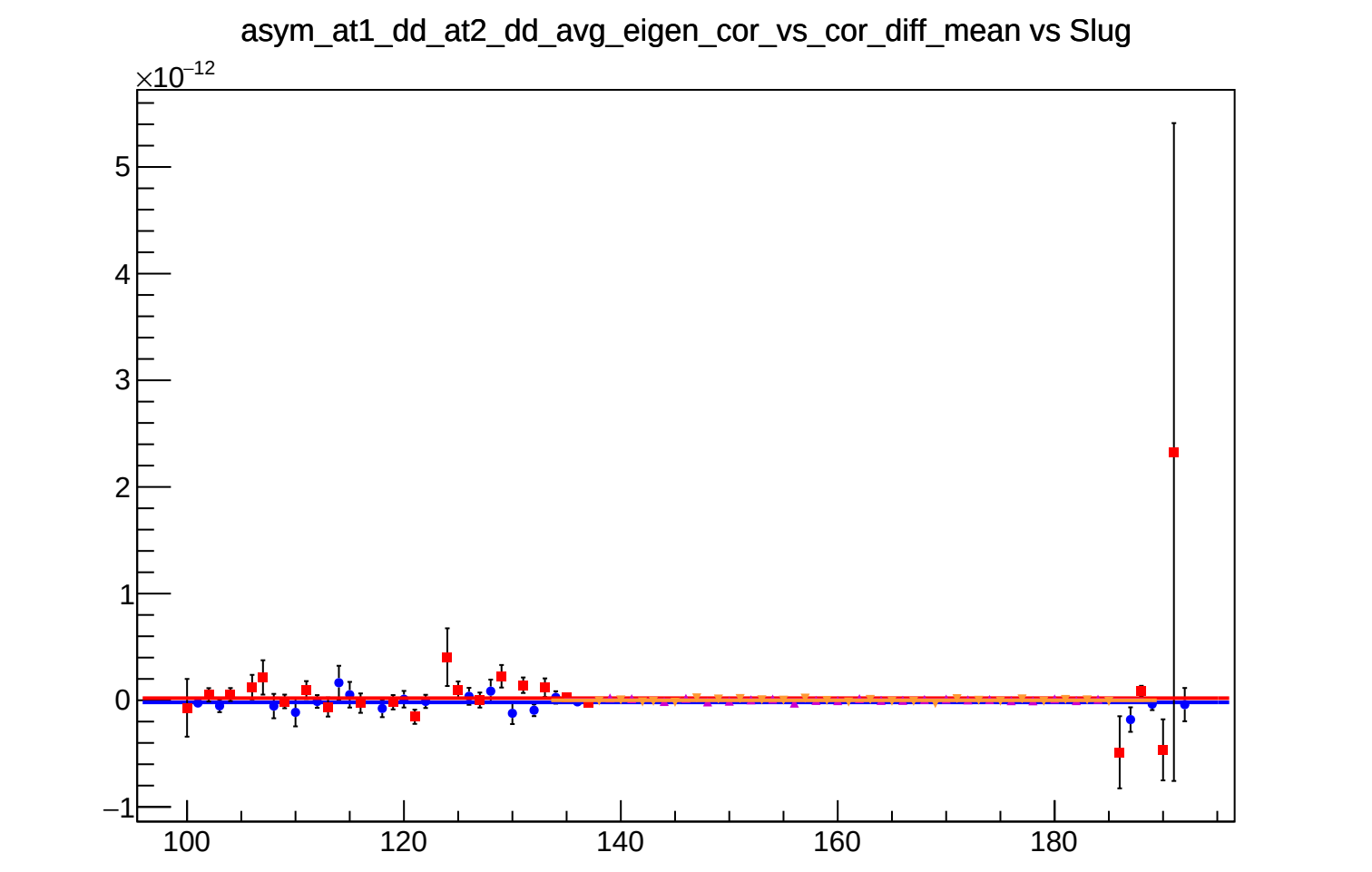
Right Out: 37.615+/-0.011 χ^2/NDF: 4009219.7/22

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 34.919+/-0.006 χ^2/NDF: 13665940.6/43

All: 34.860+/-0.004 χ^2/NDF: 27839671.0/89

\- sign 34.800+/-0.006 χ^2/NDF: 14173522.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

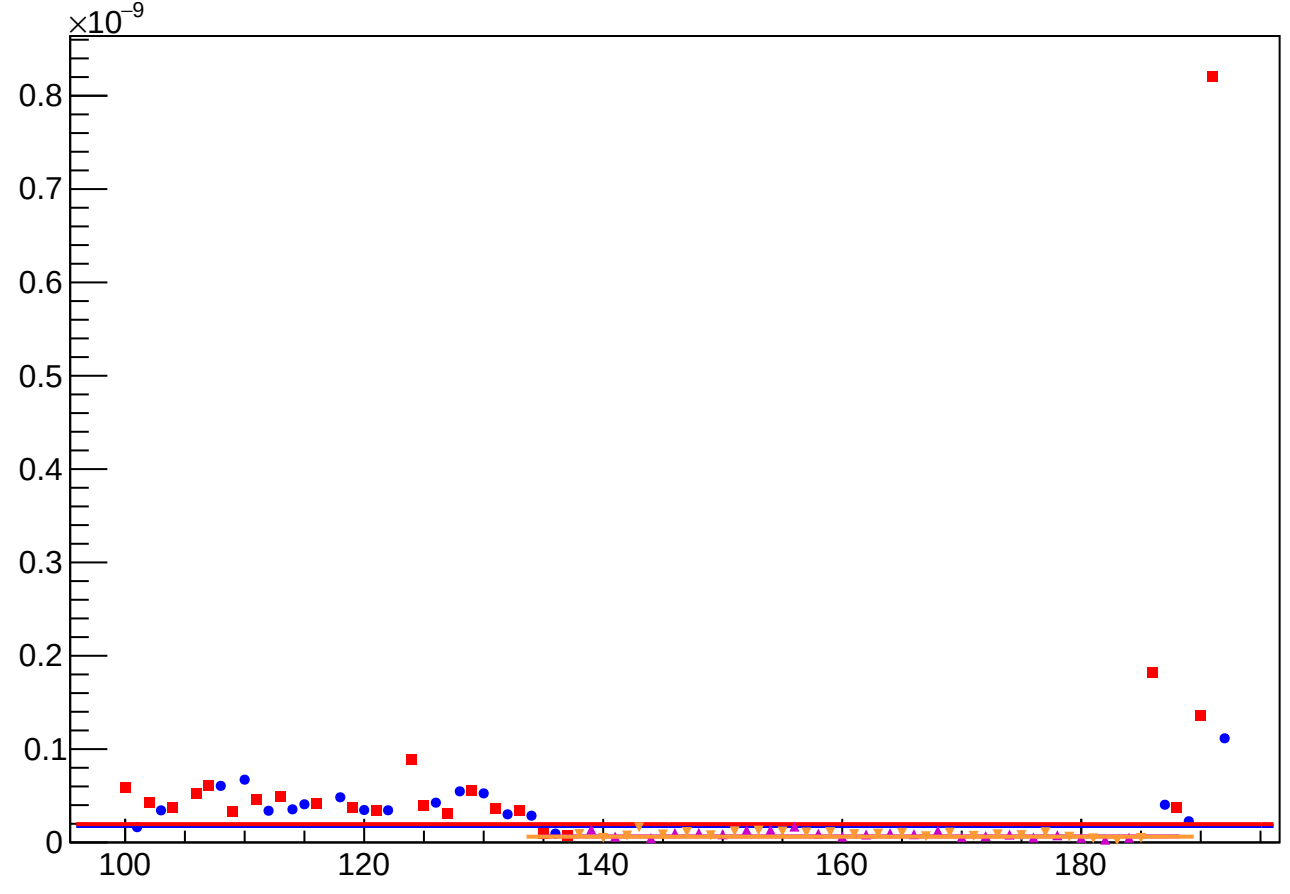
Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/22

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.4/43

All: 0.000+/-0.000 χ^2/NDF: 99.4/89

- sign 0.000+/-0.000 χ^2/NDF: 57.2/45



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

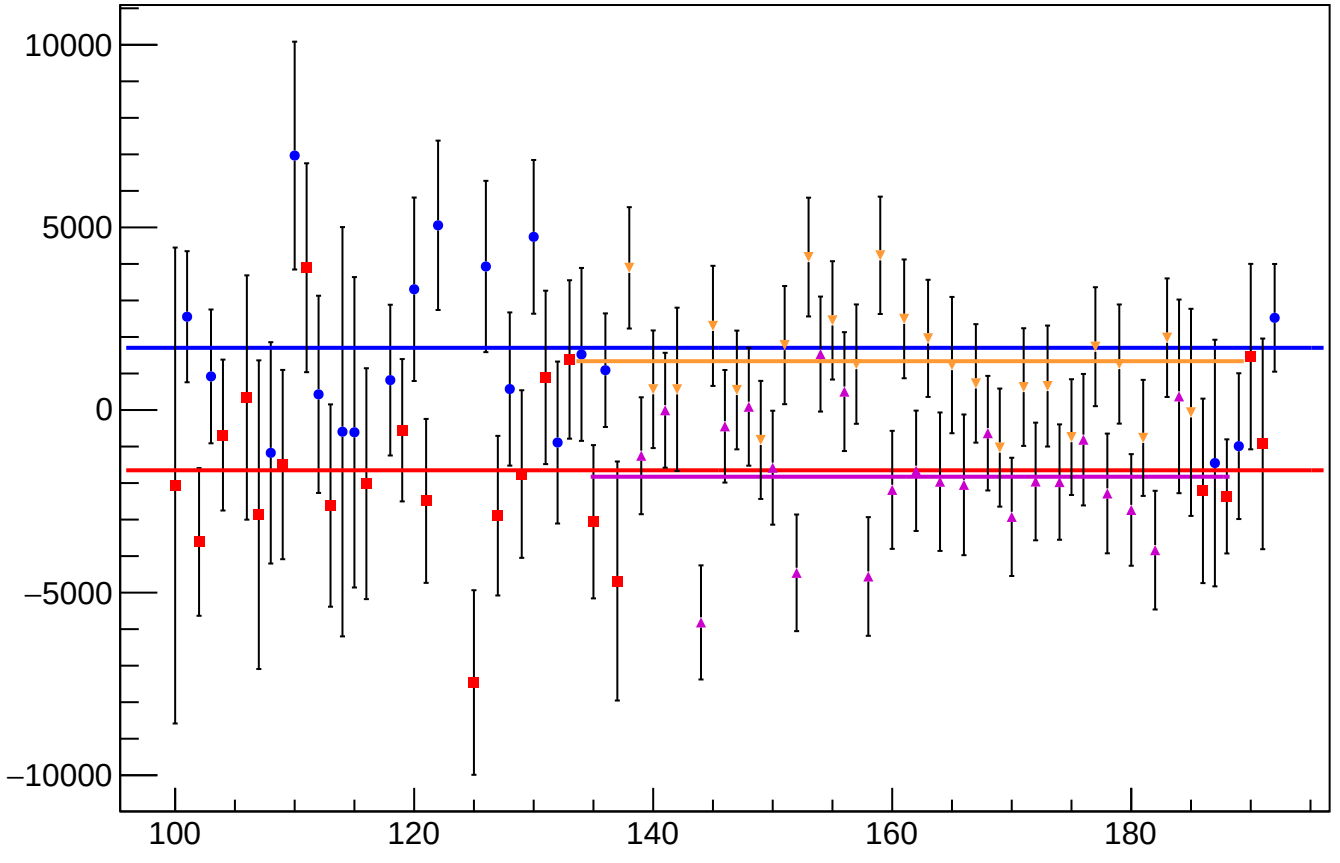
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11782598.5/43

All: 0.000+/-0.000 χ^2/NDF: 23544447.2/89

- sign 0.000+/-0.000 χ^2/NDF: 11739251.1/45

reg_asym_usl_atl1_avg_mean vs Slug



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

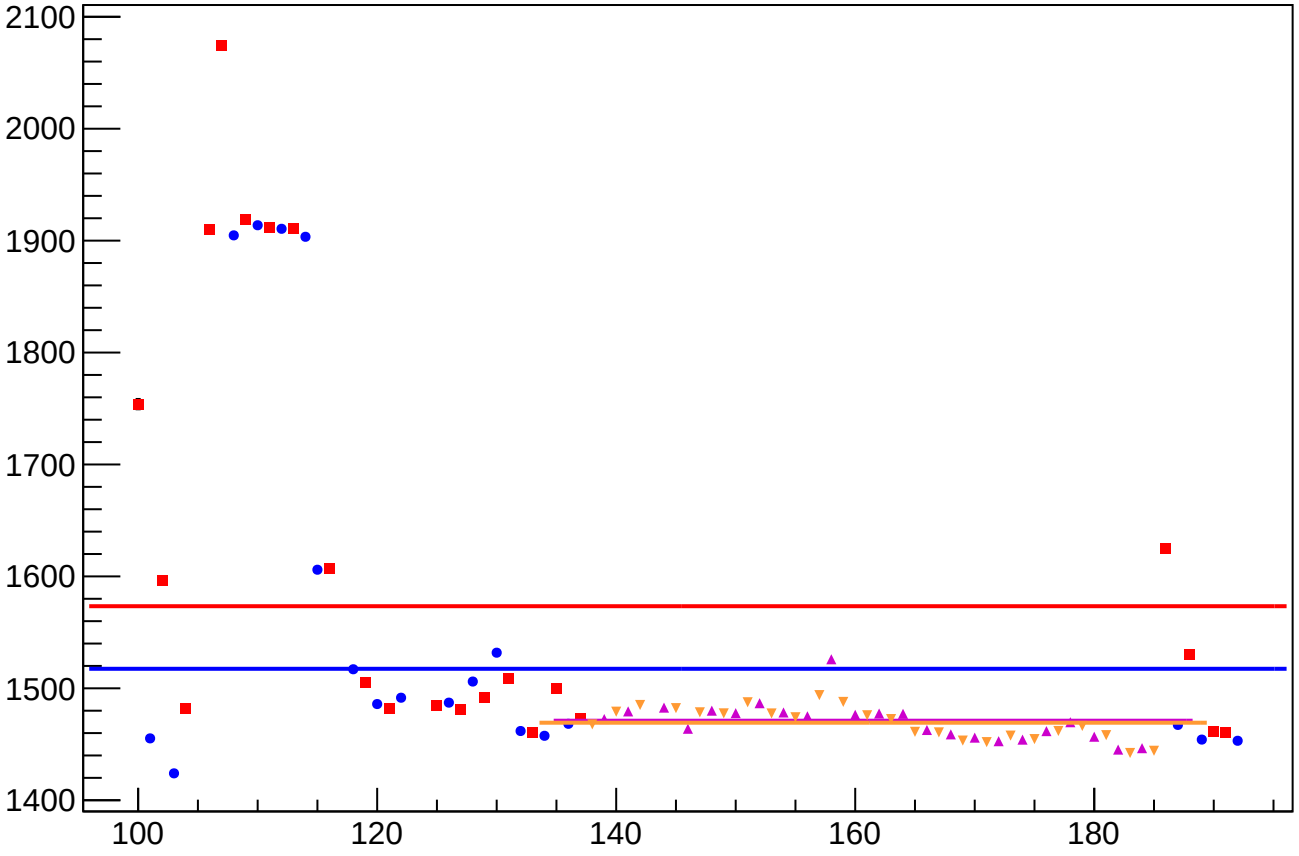
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1450.314+/-283.391 χ^2/NDF: 34.9/42

All: -144.500+/-201.427 χ^2/NDF: 143.2/87

- sign -1772.840+/-286.354 χ^2/NDF: 44.4/44

reg_asym_usl_atl1_avg_rms vs Slug



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

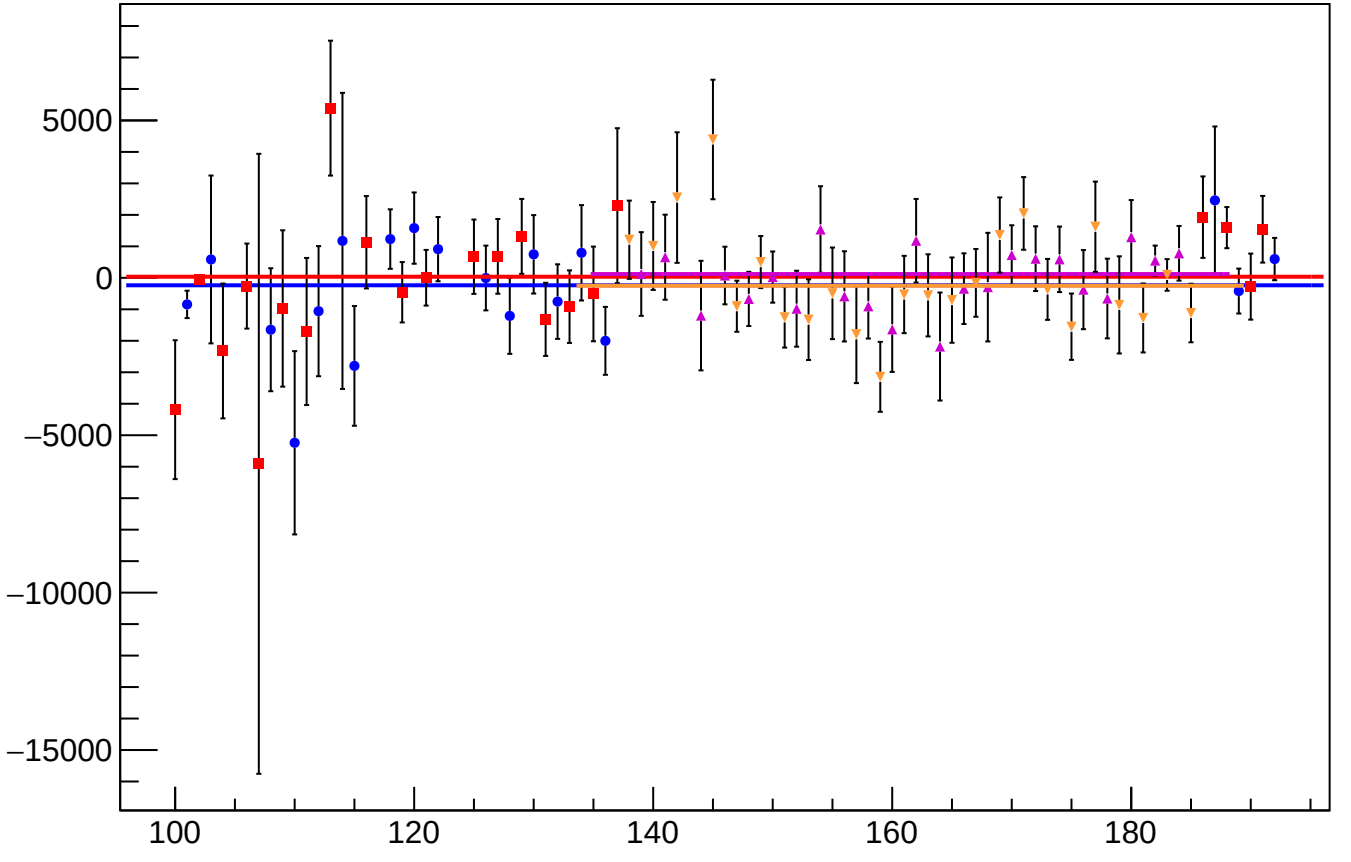
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

\+ sign 1484.173+/-0.200 χ^2/NDF: 152660.1/42

All: 1493.121+/-0.142 χ^2/NDF: 397890.0/87

\- sign 1502.257+/-0.202 χ^2/NDF: 241200.1/44

asym_usl_atl1_avg_reg_correction_mean vs Slug



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

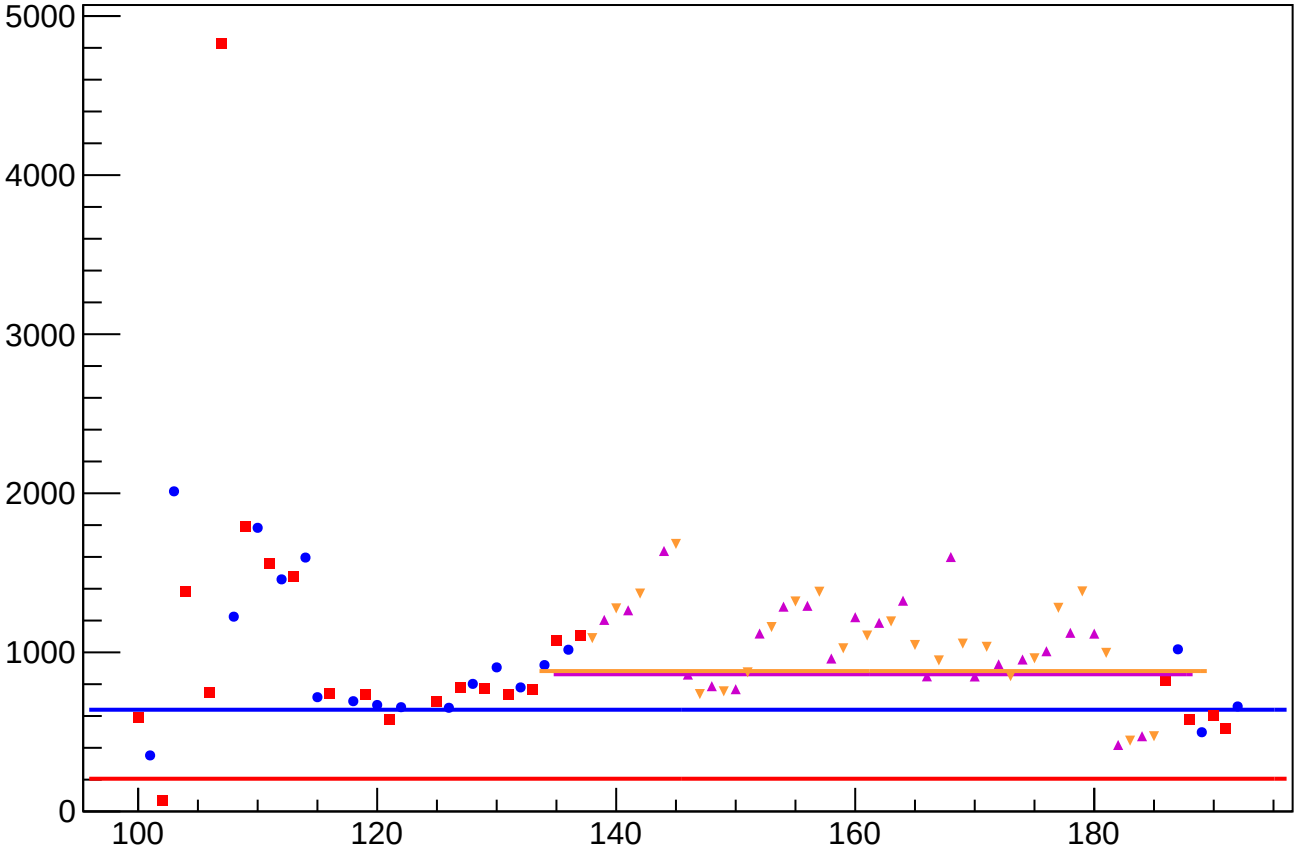
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -244.712+/-160.489 χ^2/NDF: 54.1/42

All: -36.402+/-88.972 χ^2/NDF: 97.8/87

- sign 56.027+/-106.904 χ^2/NDF: 41.2/44

asym_usl_atl1_avg_reg_correction_rms vs Slug



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

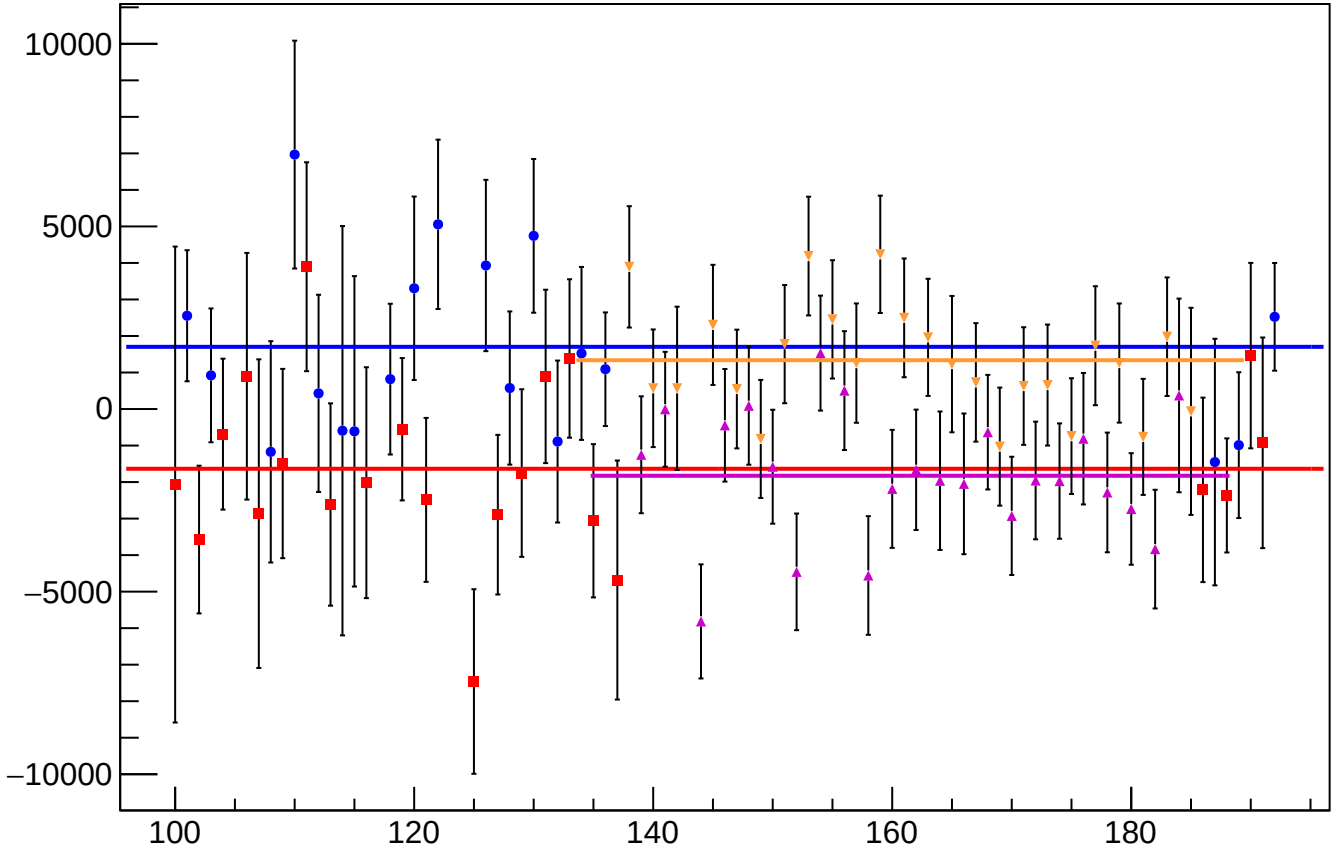
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 770.677+/-0.113 χ^2/NDF: 7939783.2/42

All: 490.764+/-0.063 χ^2/NDF: 46504851.0/87

- sign 366.564+/-0.076 χ^2/NDF: 29781581.3/44

cor_asym_usl_atl1_avg_mean vs Slug



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

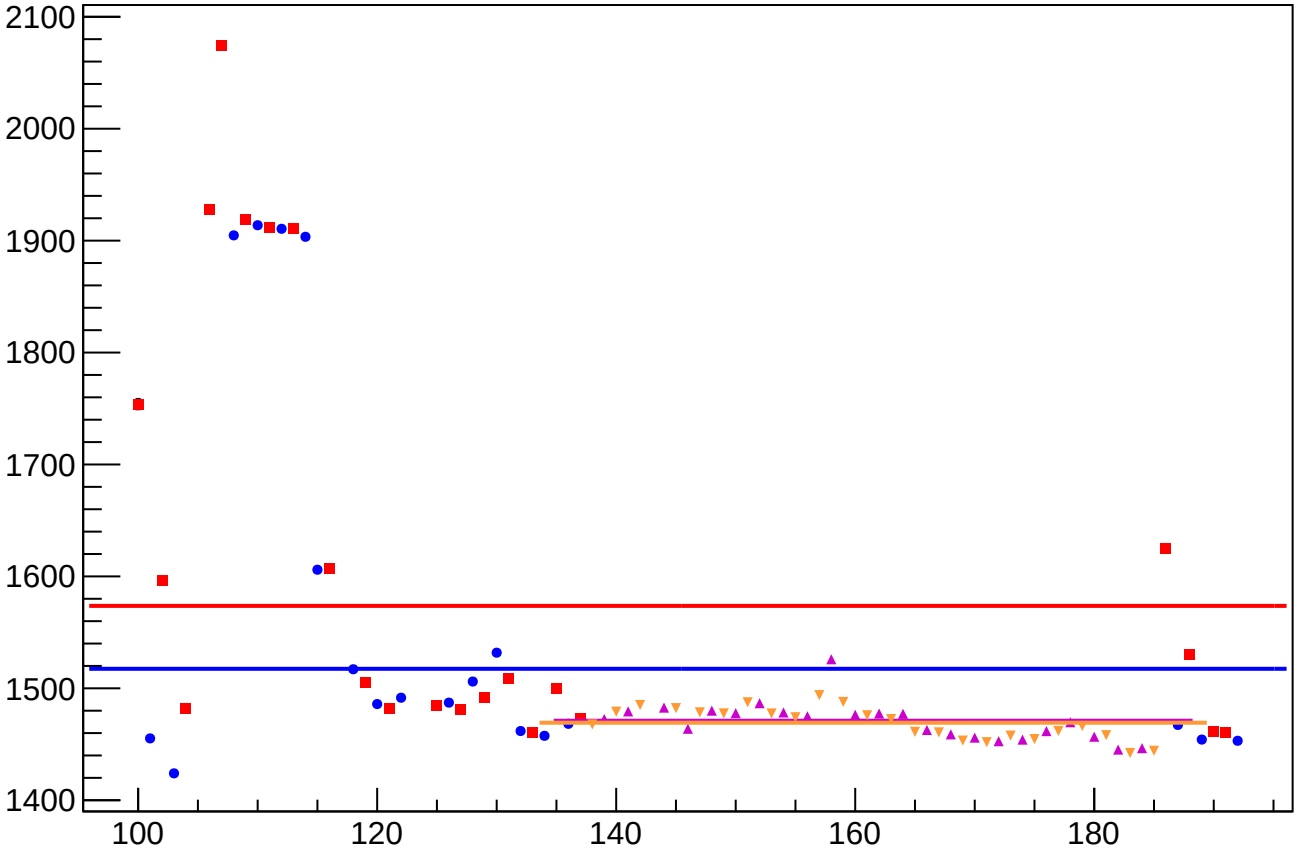
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1450.356+/-283.391 χ^2/NDF: 34.9/42

All: -142.170+/-201.434 χ^2/NDF: 143.3/87

- sign -1768.409+/-286.374 χ^2/NDF: 44.5/44

cor_asym_usl_atl1_avg_rms vs Slug



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

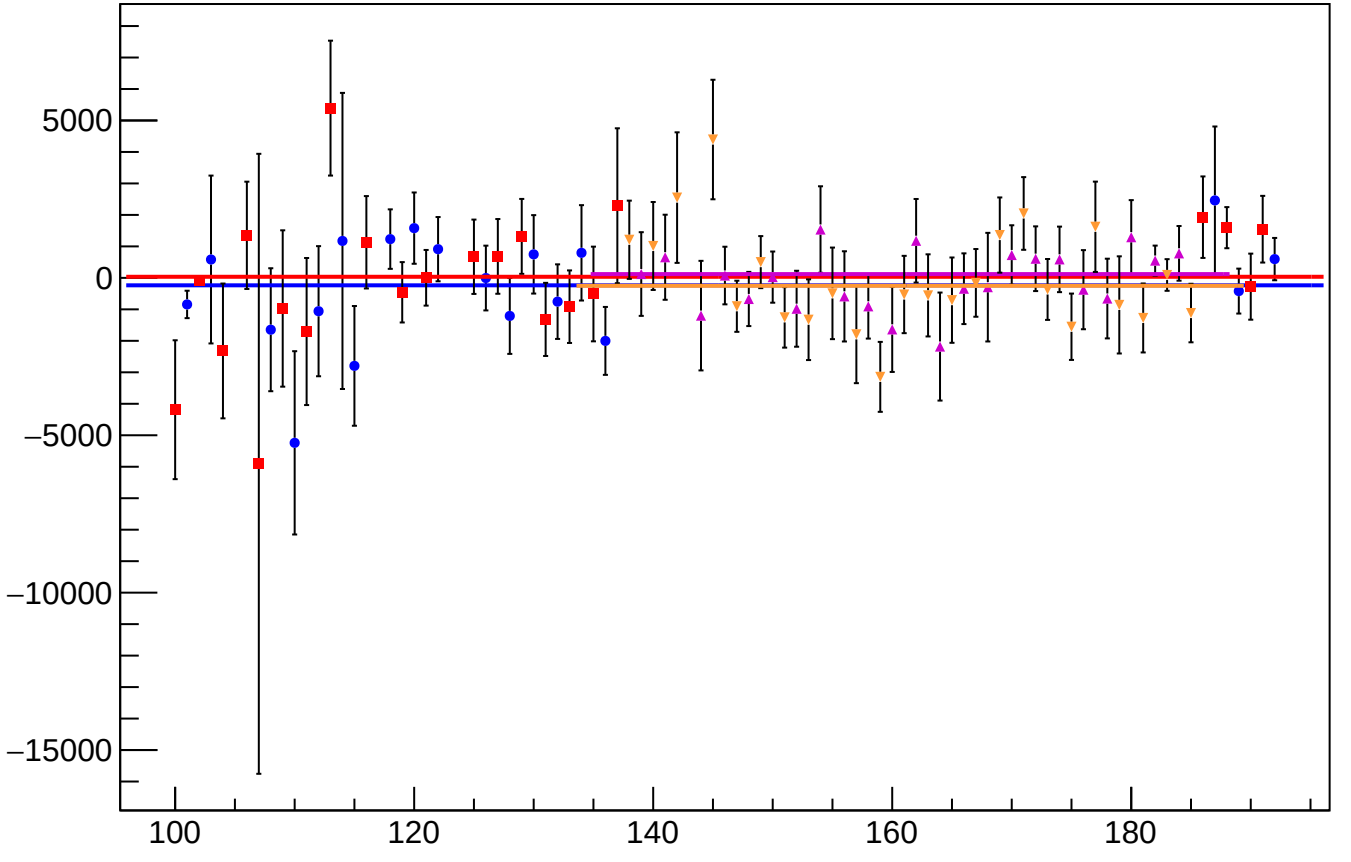
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1484.173+/-0.200 χ^2/NDF: 152660.0/42

All: 1493.159+/-0.142 χ^2/NDF: 400055.6/87

- sign 1502.335+/-0.202 χ^2/NDF: 243330.9/44

asym_usl_atl1_avg_cor_correction_mean vs Slug



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

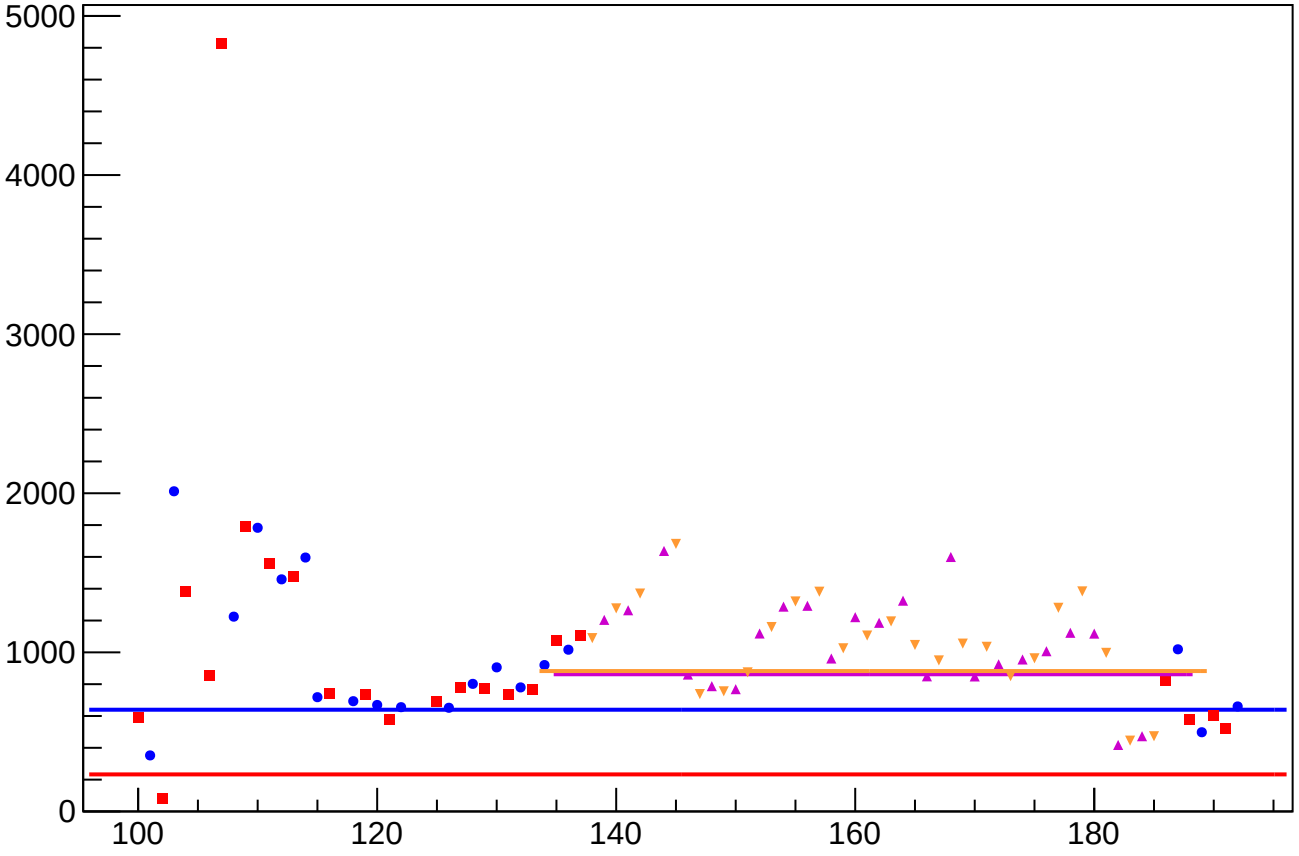
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -244.674+/-160.488 χ^2/NDF: 54.1/42

All: -42.066+/-92.288 χ^2/NDF: 98.5/87

- sign 58.036+/-112.806 χ^2/NDF: 42.0/44

asym_usl_atl1_avg_cor_correction_rms vs Slug



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

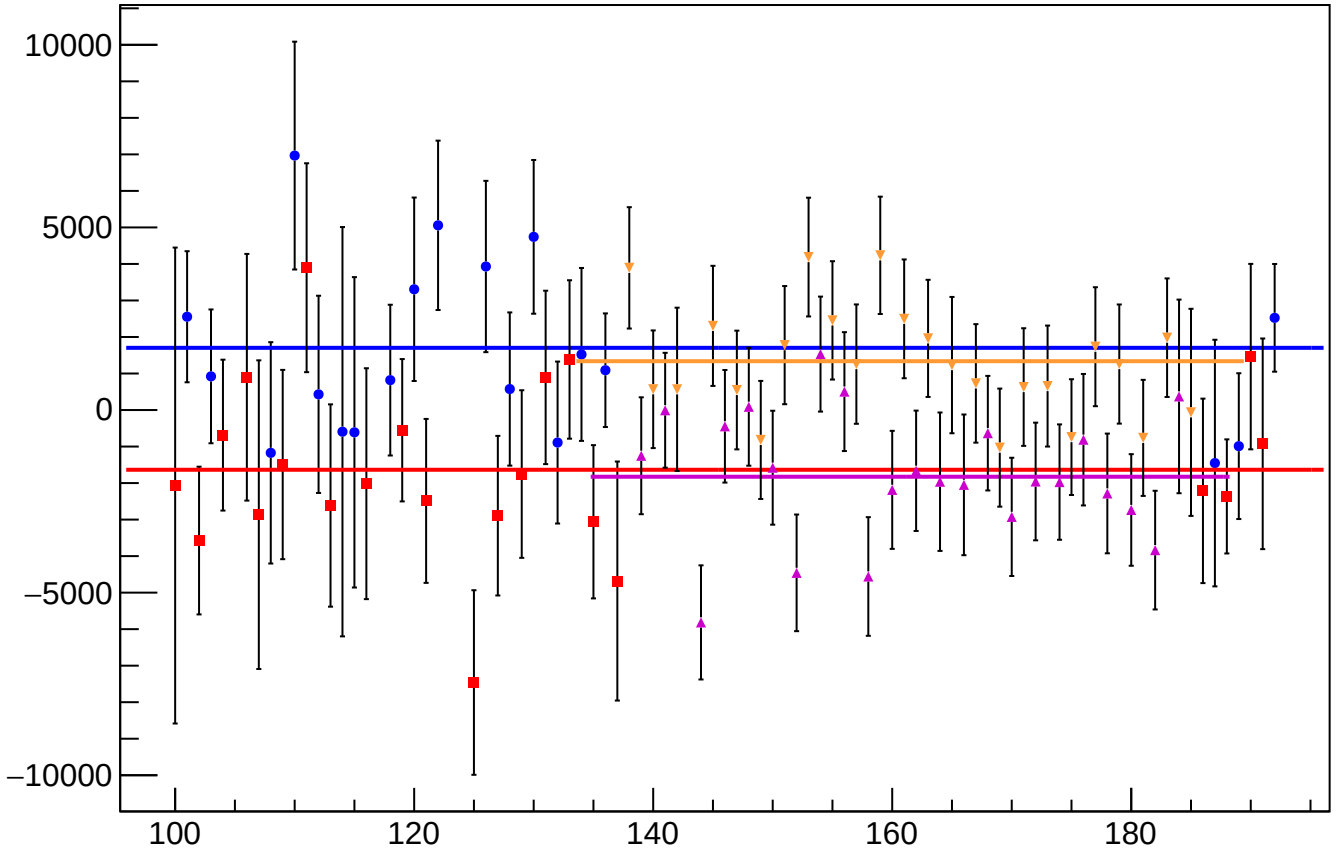
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 770.670+/-0.113 χ^2/NDF: 7940095.9/42

All: 525.661+/-0.065 χ^2/NDF: 42407506.0/87

- sign 404.612+/-0.080 χ^2/NDF: 27503089.7/44

eigen_cor_asym_usl_atl1_avg_mean vs Slug



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

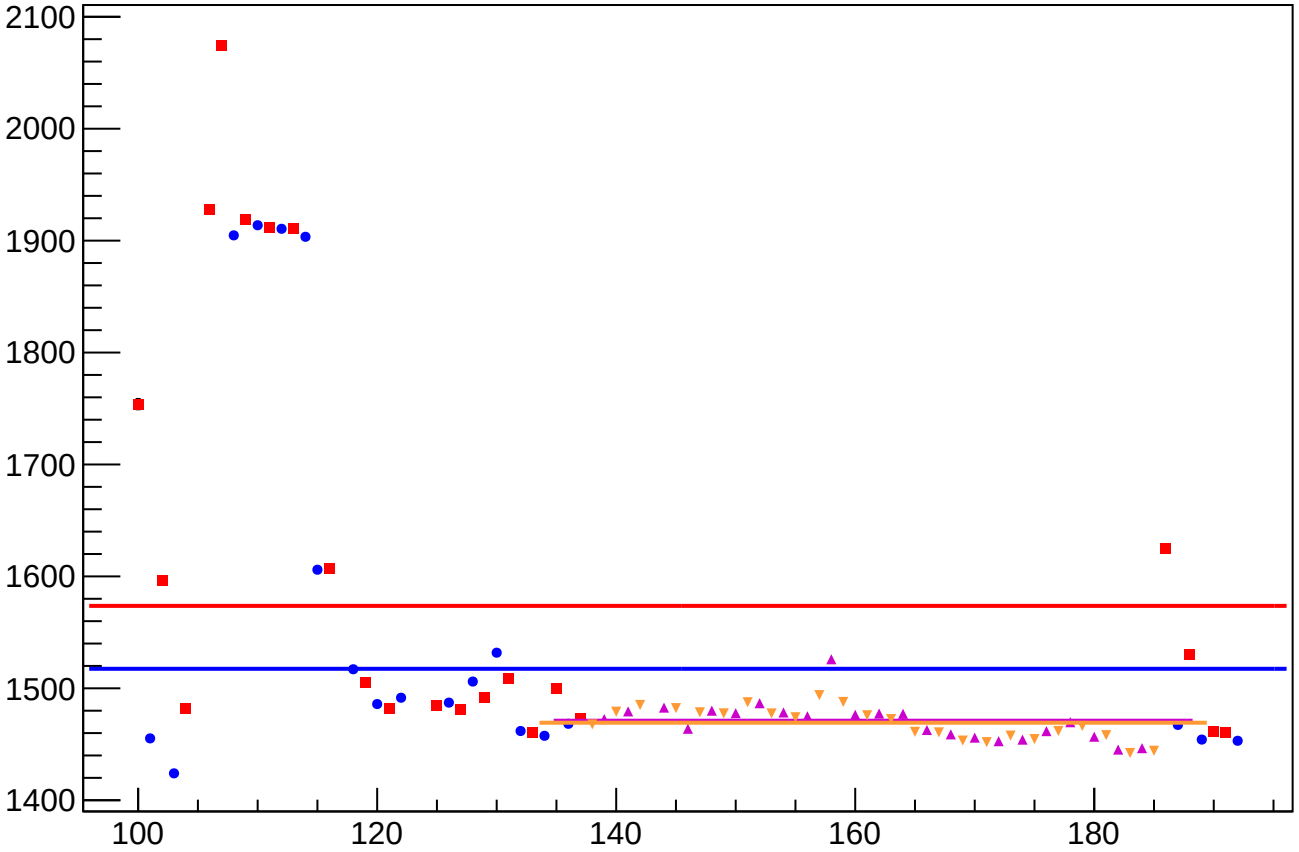
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1450.356+/-283.391 χ^2/NDF: 34.9/42

All: -142.170+/-201.434 χ^2/NDF: 143.3/87

- sign -1768.409+/-286.374 χ^2/NDF: 44.5/44

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1517.444+/-0.360 χ^2/NDF: 137153.9/18

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

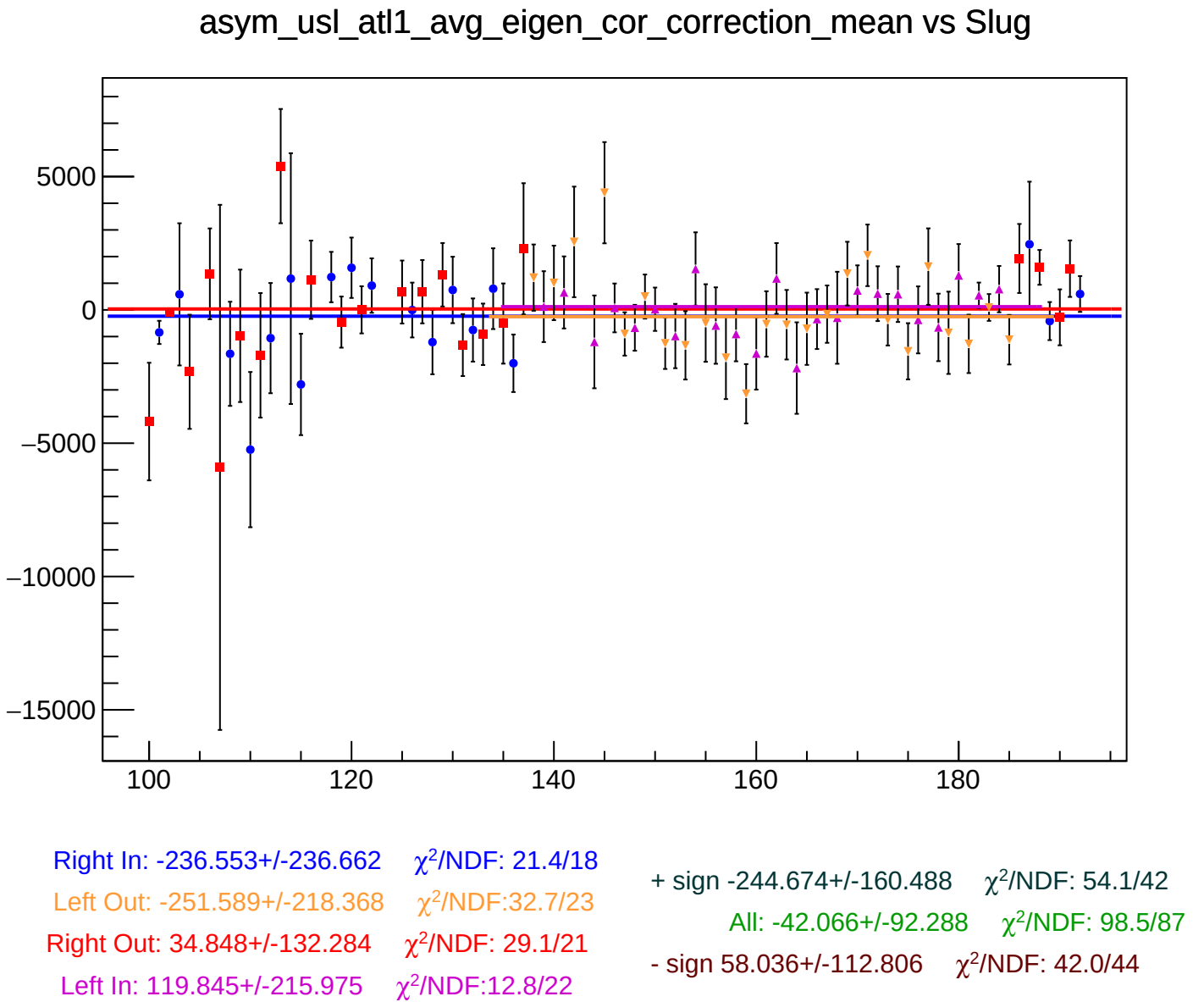
Right Out: 1573.656+/-0.367 χ^2/NDF: 184280.3/21

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1484.173+/-0.200 χ^2/NDF: 152660.0/42

All: 1493.159+/-0.142 χ^2/NDF: 400055.6/87

- sign 1502.335+/-0.202 χ^2/NDF: 243330.9/44



Right In: -236.553+/-236.662 χ^2/NDF: 21.4/18

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

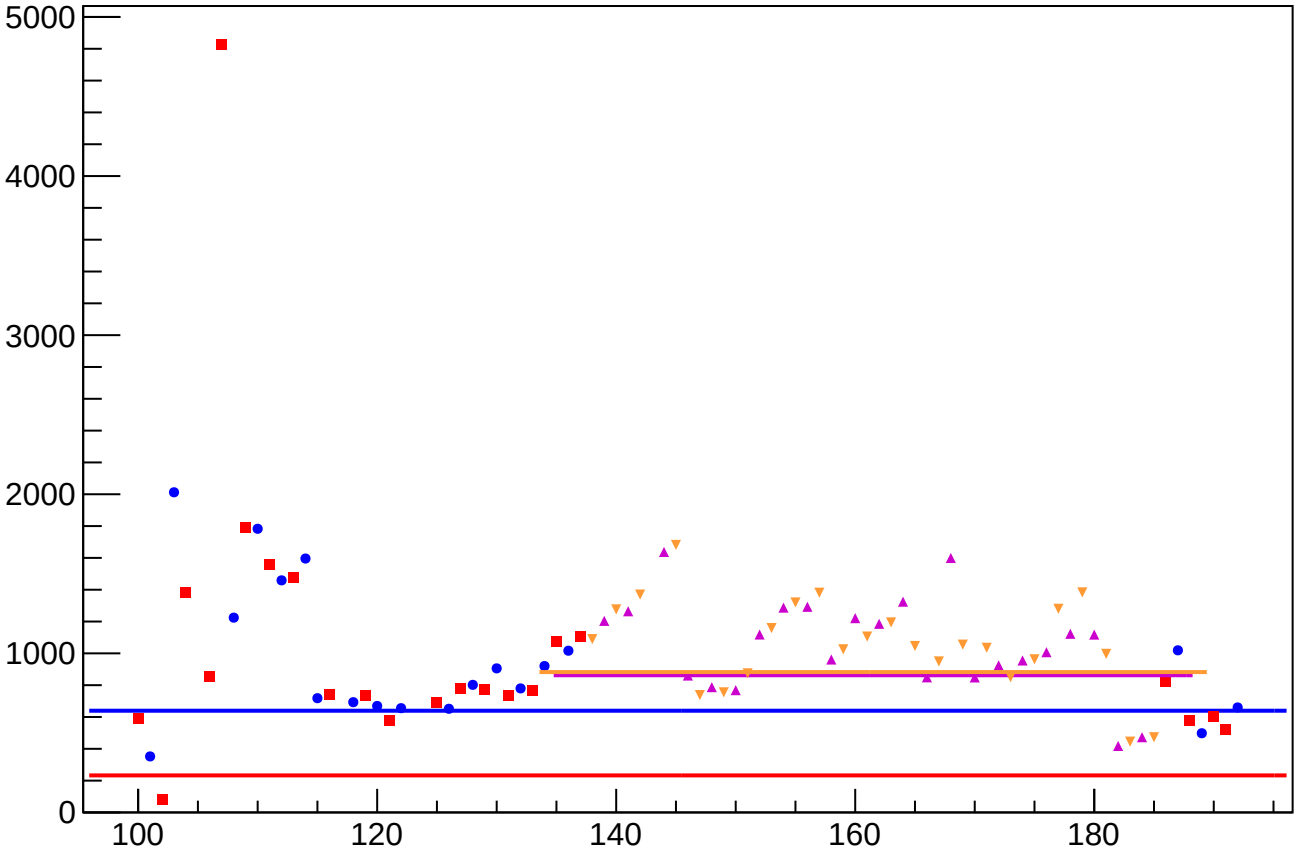
Right Out: 34.848+/-132.284 χ^2/NDF: 29.1/21

Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

\+ sign -244.674+/-160.488 χ^2/NDF: 54.1/42

All: -42.066+/-92.288 χ^2/NDF: 98.5/87

\- sign 58.036+/-112.806 χ^2/NDF: 42.0/44



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

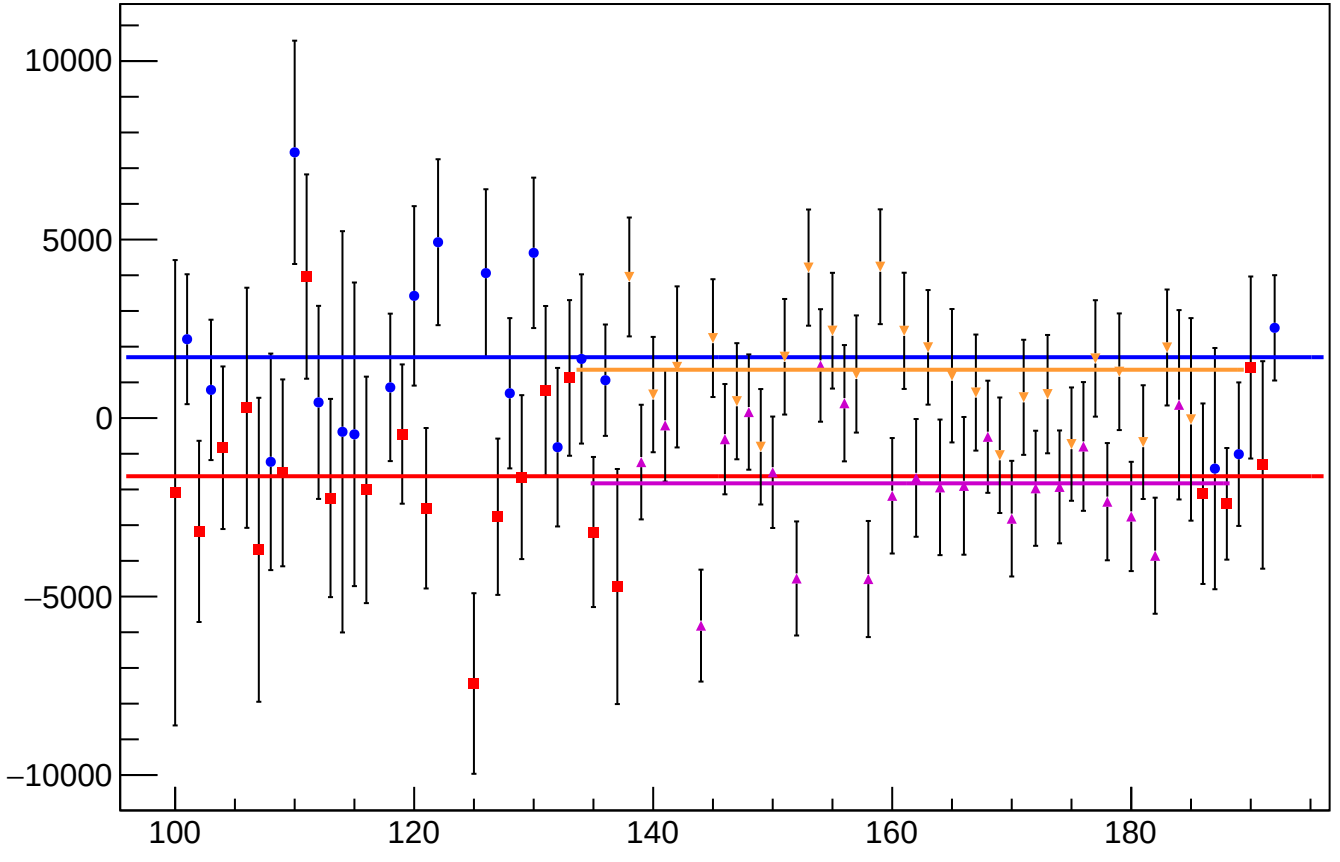
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 770.670+/-0.113 χ^2/NDF: 7940095.9/42

All: 525.661+/-0.065 χ^2/NDF: 42407506.0/87

- sign 404.612+/-0.080 χ^2/NDF: 27503089.7/44

dit_asym_usl_atl1_avg_mean vs Slug



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

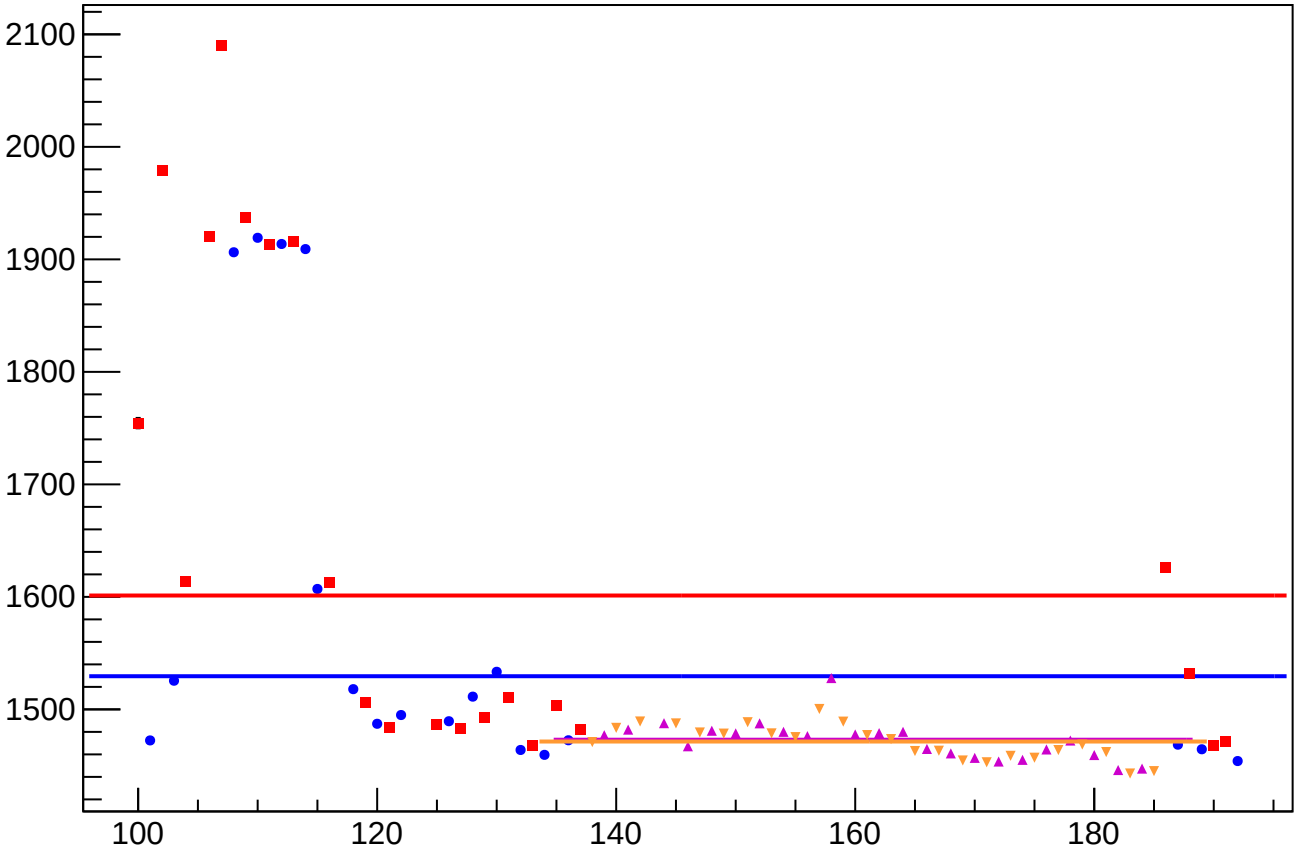
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1461.366+/-284.409 χ^2/NDF: 34.6/42

All: -131.512+/-202.499 χ^2/NDF: 140.9/87

- sign -1769.239+/-288.385 χ^2/NDF: 42.7/44

dit_asym_usl_atl1_avg_rms vs Slug



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

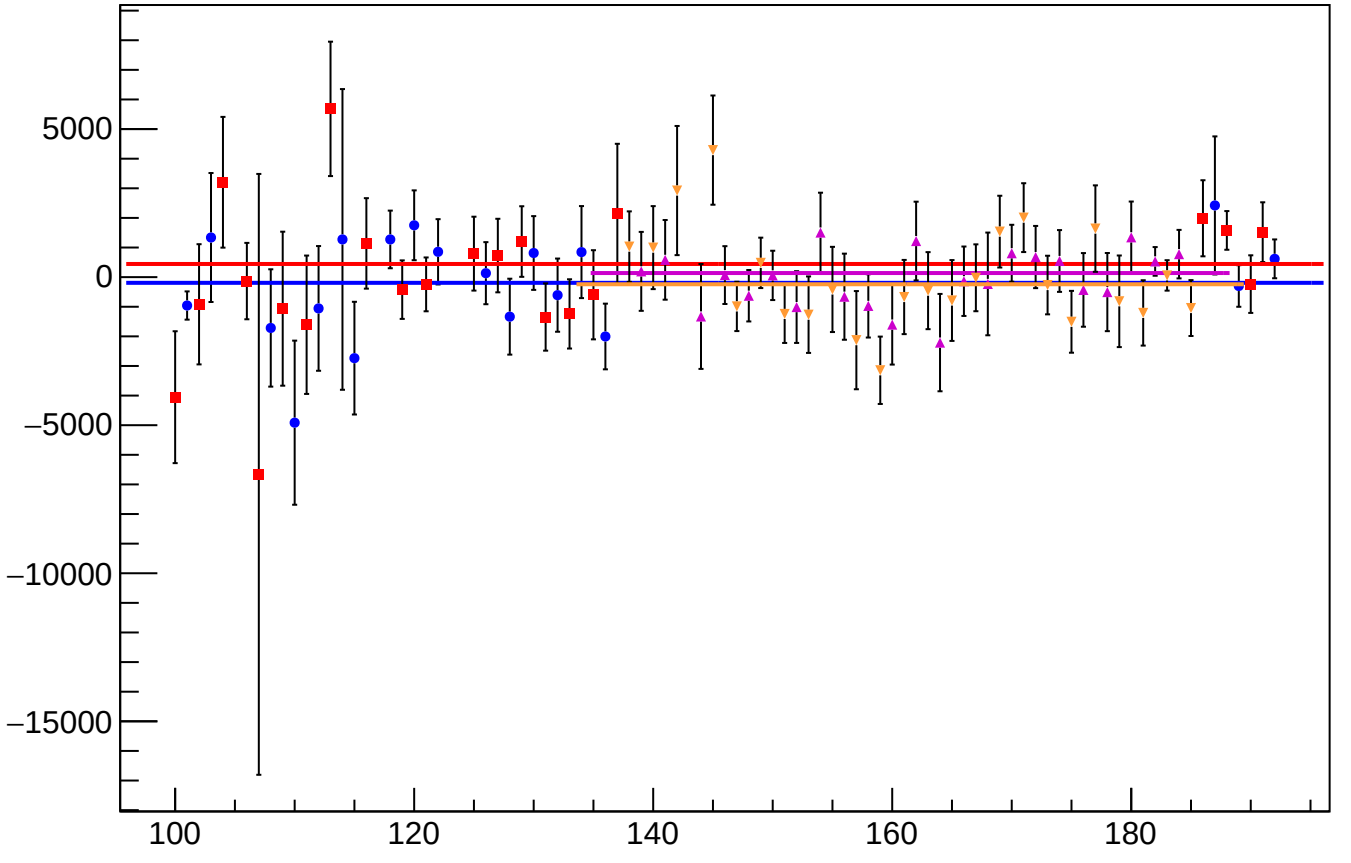
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1489.238+/-0.201 χ^2/NDF: 151105.5/42

All: 1500.025+/-0.143 χ^2/NDF: 472016.5/87

- sign 1511.115+/-0.204 χ^2/NDF: 315076.5/44

asym_usl_atl1_avg_dit_correction_mean vs Slug



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

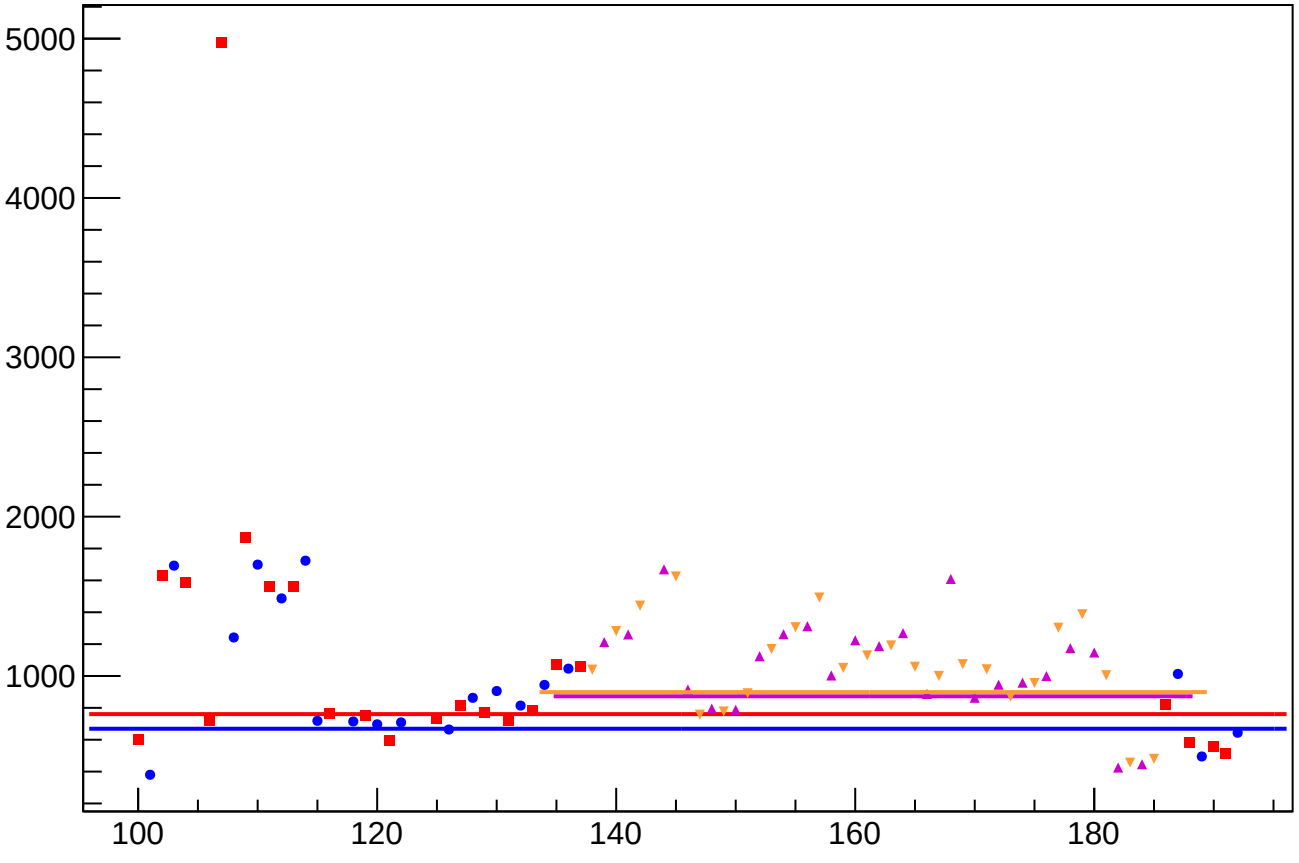
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -218.593+/-164.298 χ^2/NDF: 54.5/42

All: 11.585+/-118.217 χ^2/NDF: 99.3/87

- sign 258.677+/-170.228 χ^2/NDF: 40.7/44

asym_usl_atl1_avg_dit_correction_rms vs Slug



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

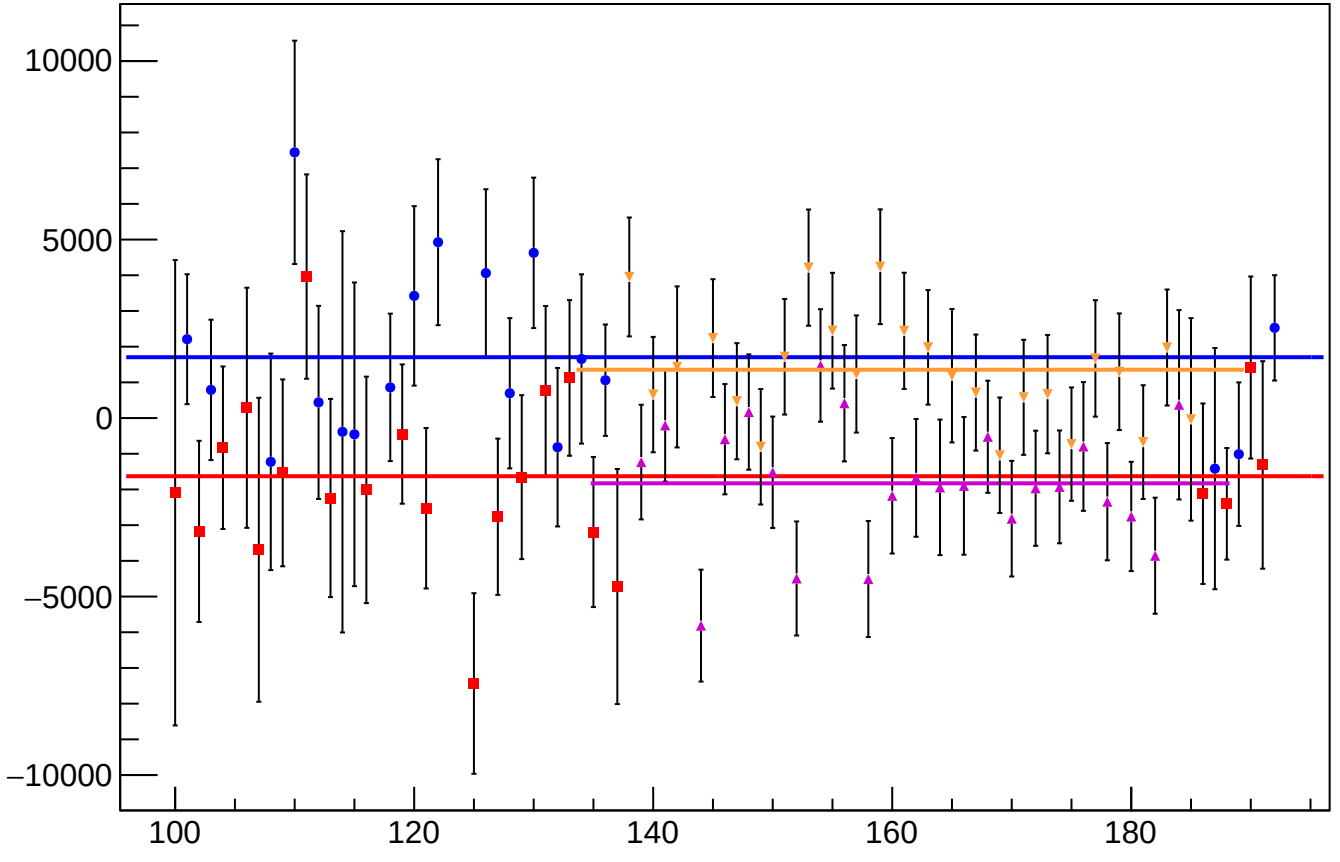
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 795.091+/-0.116 χ^2/NDF: 7386505.2/42

All: 811.234+/-0.084 χ^2/NDF: 14470653.2/87

- sign 828.562+/-0.120 χ^2/NDF: 7044117.6/44

eigen_dit_asym_usl_atl1_avg_mean vs Slug



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

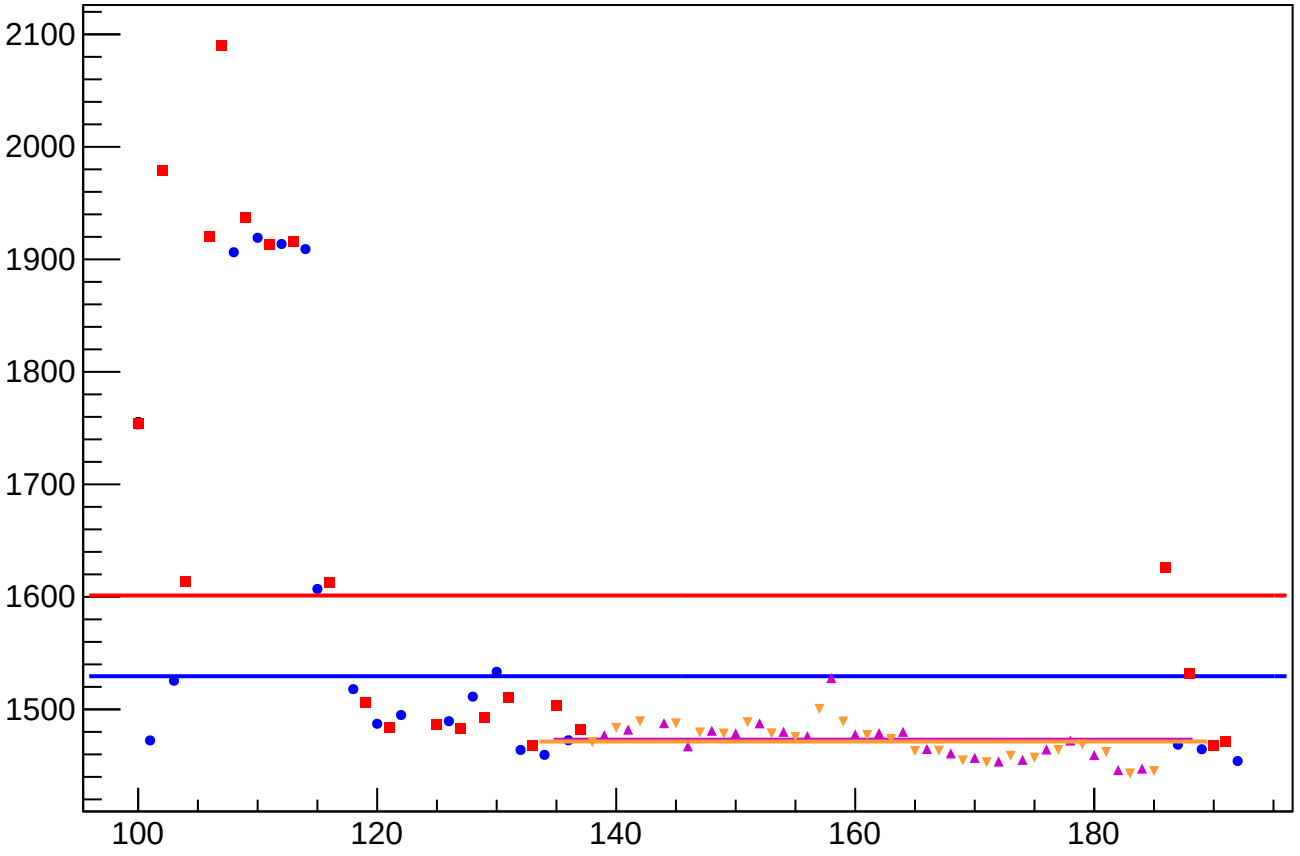
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1461.365+/-284.409 χ^2/NDF: 34.6/42

All: -131.513+/-202.499 χ^2/NDF: 140.9/87

- sign -1769.239+/-288.385 χ^2/NDF: 42.7/44

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1529.481+/-0.363 χ^2/NDF: 129956.0/18

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

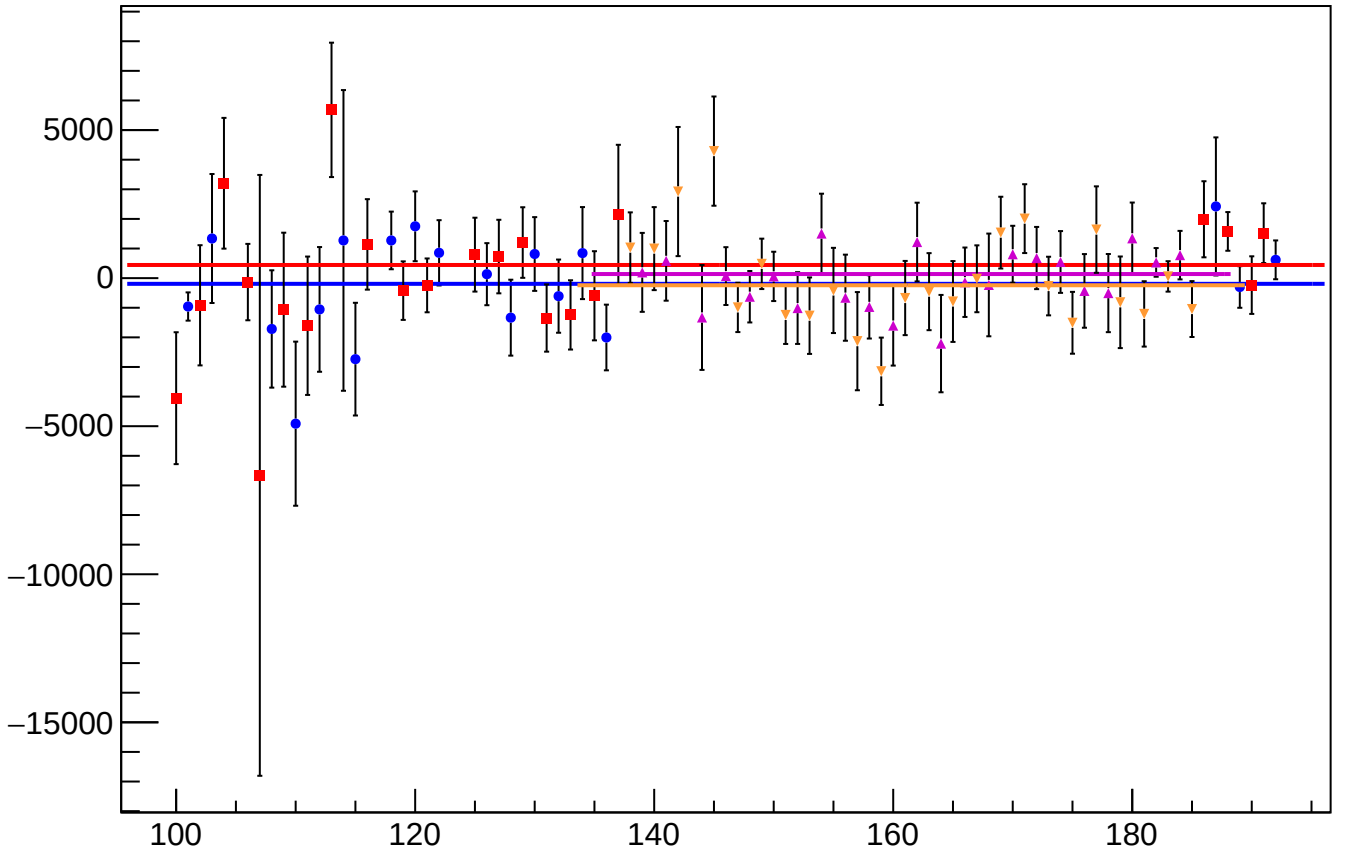
Right Out: 1601.214+/-0.374 χ^2/NDF: 227845.7/21

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1489.238+/-0.201 χ^2/NDF: 151105.3/42

All: 1500.025+/-0.143 χ^2/NDF: 472015.9/87

- sign 1511.115+/-0.204 χ^2/NDF: 315076.0/44



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

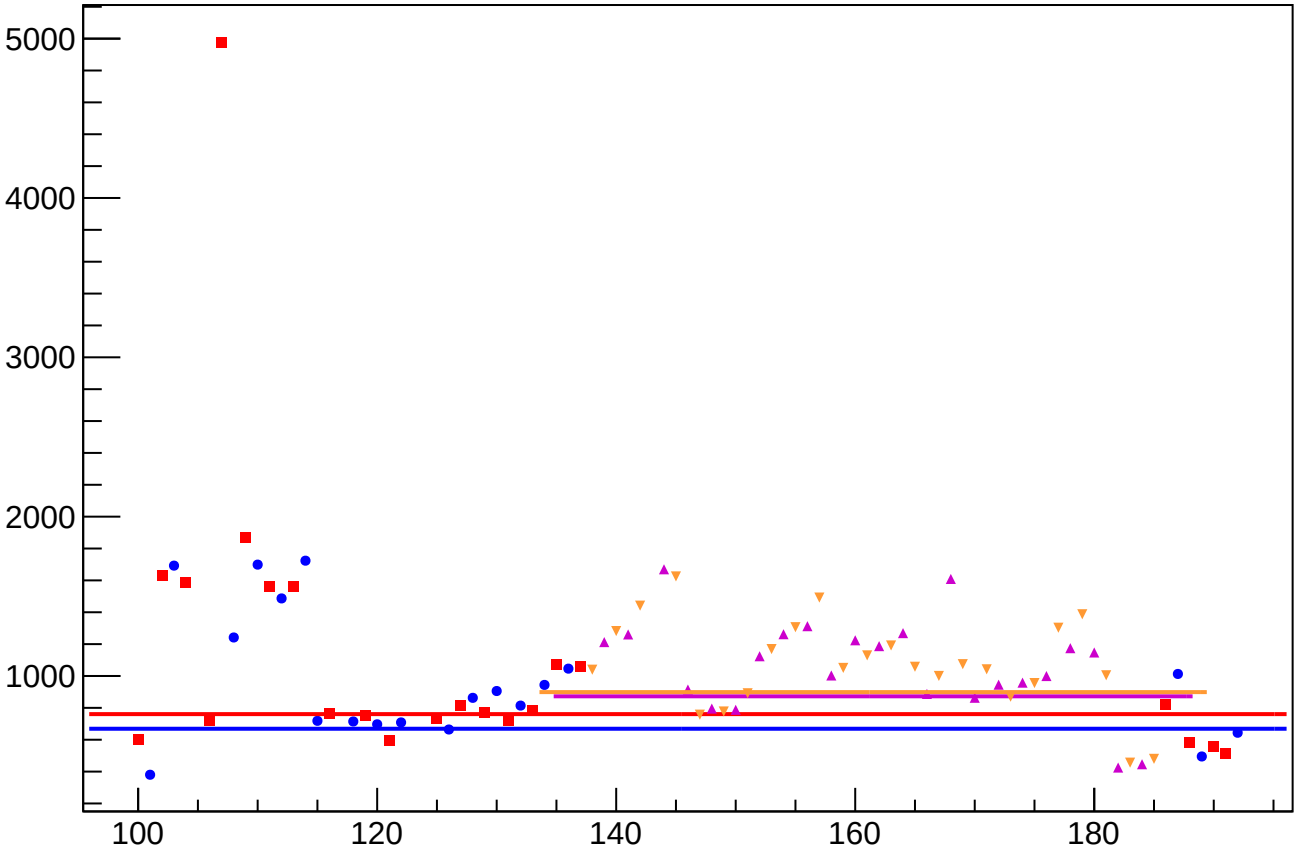
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -218.593+/-164.298 χ^2/NDF: 54.5/42

All: 11.585+/-118.217 χ^2/NDF: 99.3/87

- sign 258.677+/-170.228 χ^2/NDF: 40.7/44

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



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

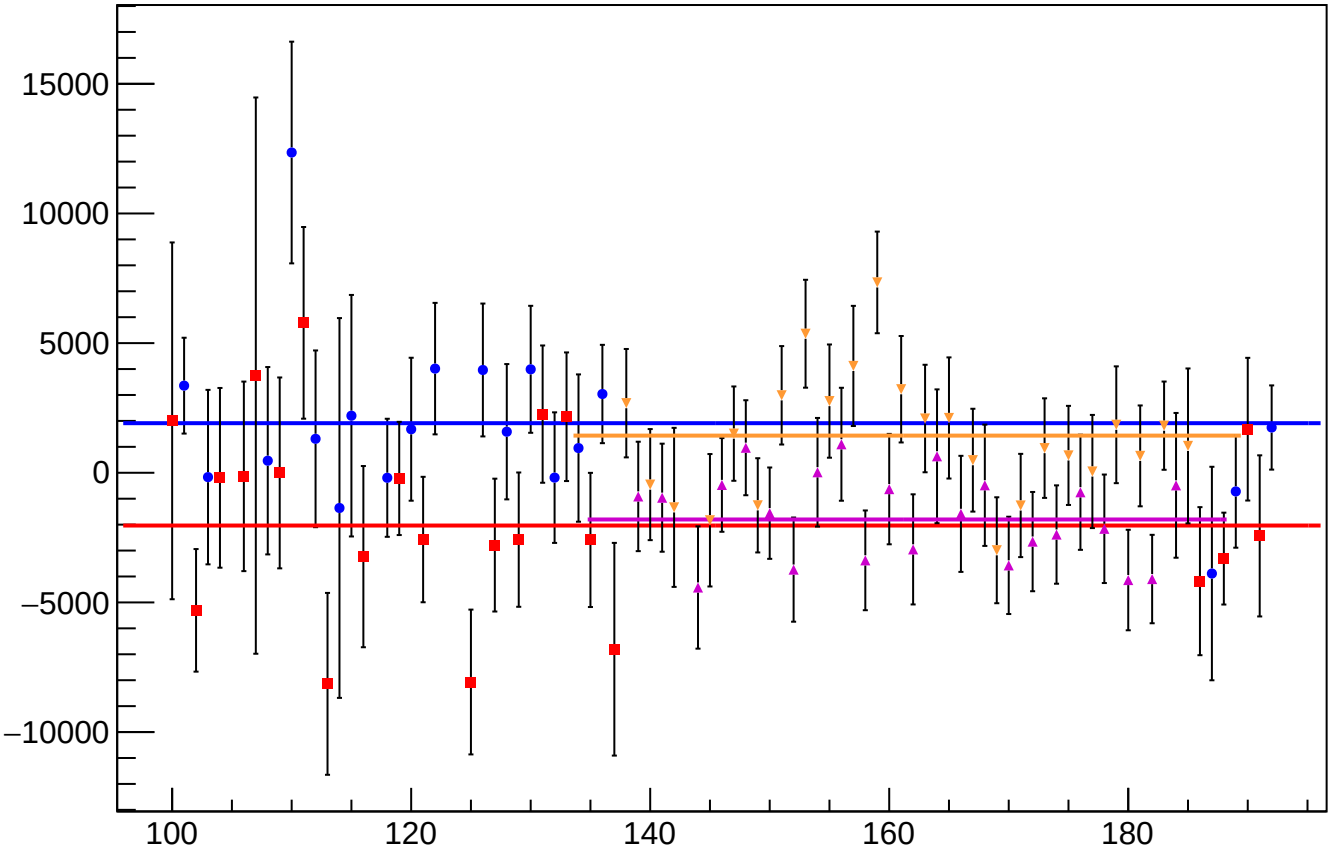
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 795.092+/-0.116 χ^2/NDF: 7386513.4/42

All: 811.234+/-0.084 χ^2/NDF: 14470679.0/87

- sign 828.562+/-0.120 χ^2/NDF: 7044135.7/44

asym_usl_atl1_avg_mean vs Slug



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

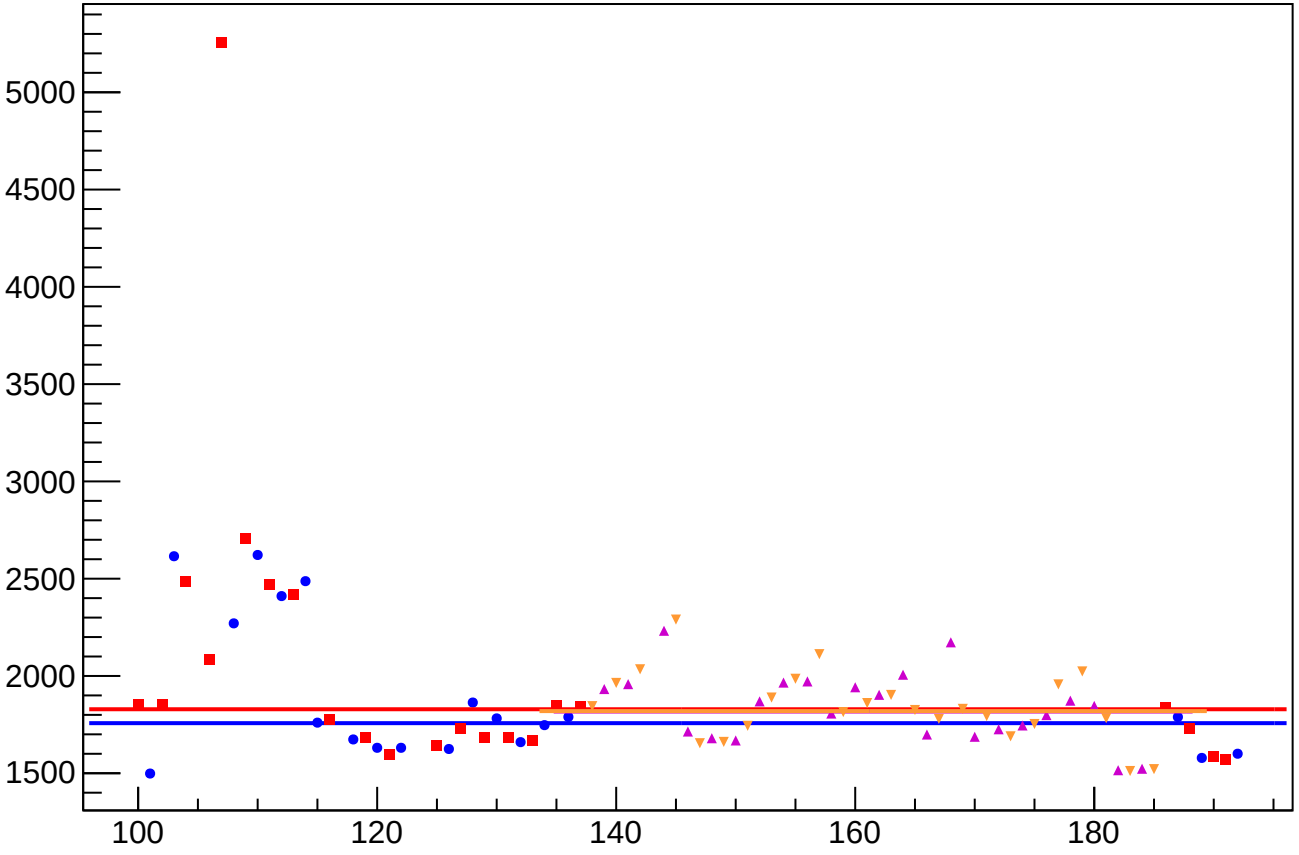
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1594.763+/-345.647 χ^2/NDF: 44.7/42

All: -121.277+/-245.835 χ^2/NDF: 136.4/87

- sign -1877.956+/-349.715 χ^2/NDF: 41.8/44

asym_usl_atl1_avg_rms vs Slug



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

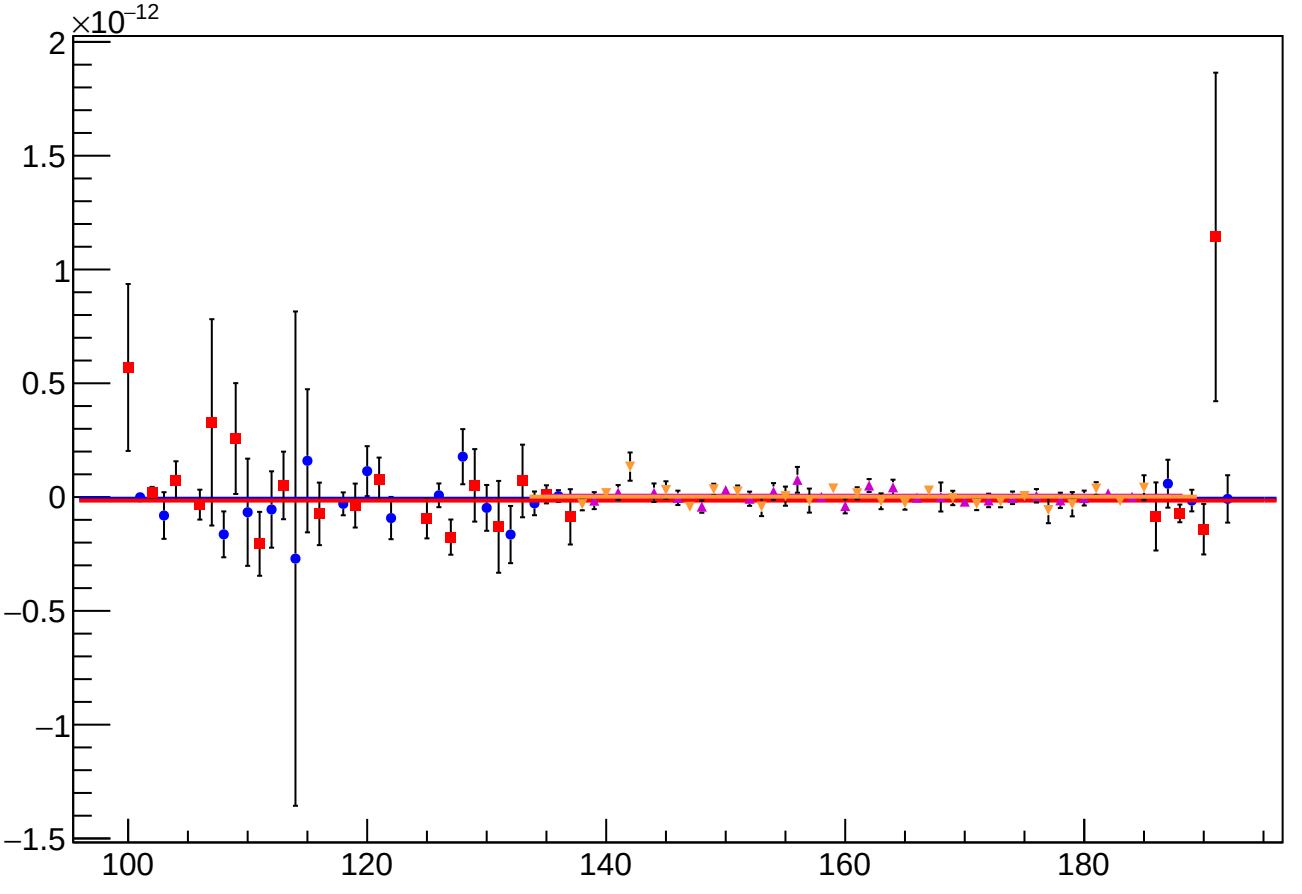
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1798.535+/-0.244 χ^2/NDF: 750920.7/42

All: 1809.639+/-0.174 χ^2/NDF: 1676688.4/87

- sign 1821.006+/-0.247 χ^2/NDF: 921590.6/44

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



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

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

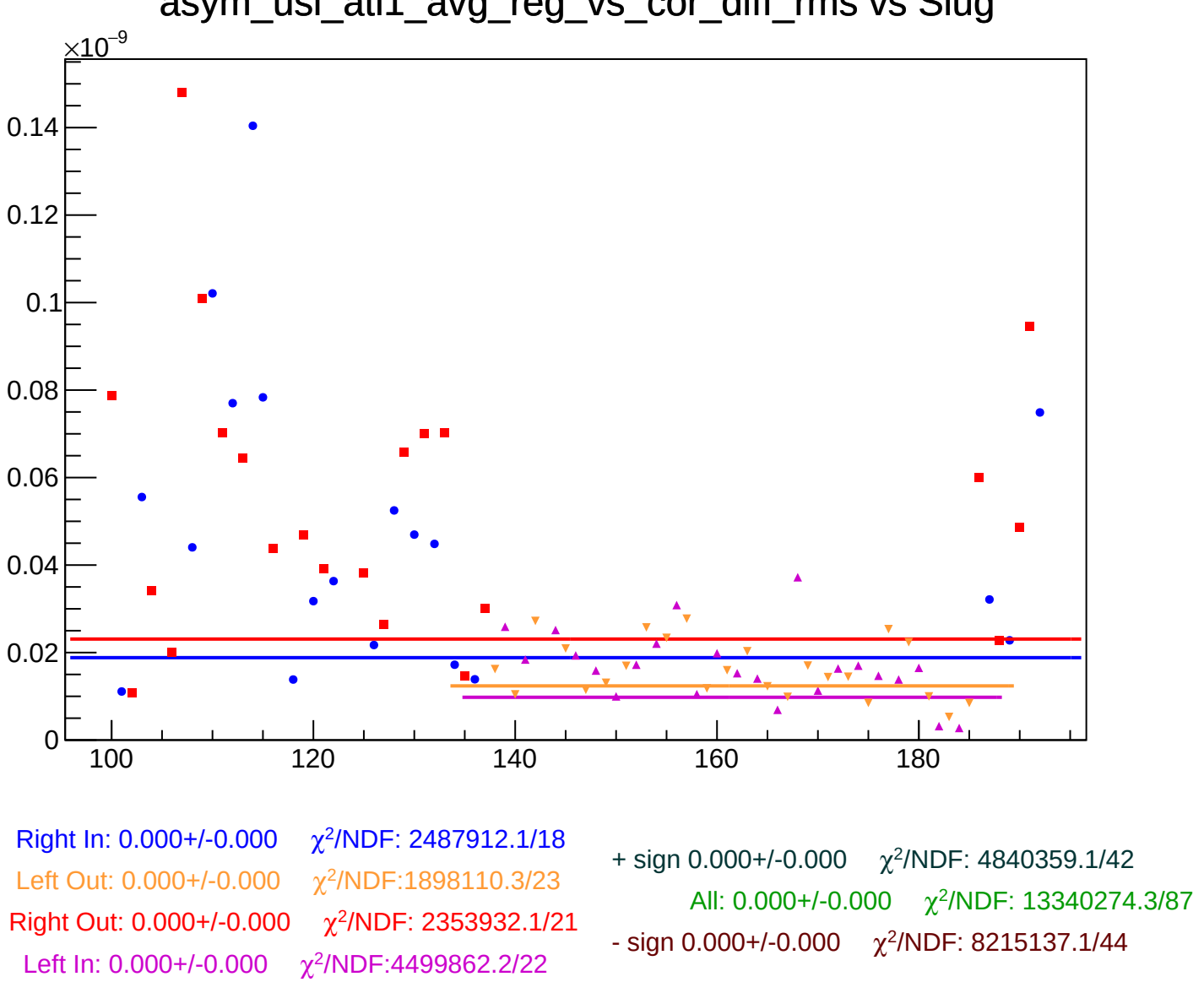
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/21

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

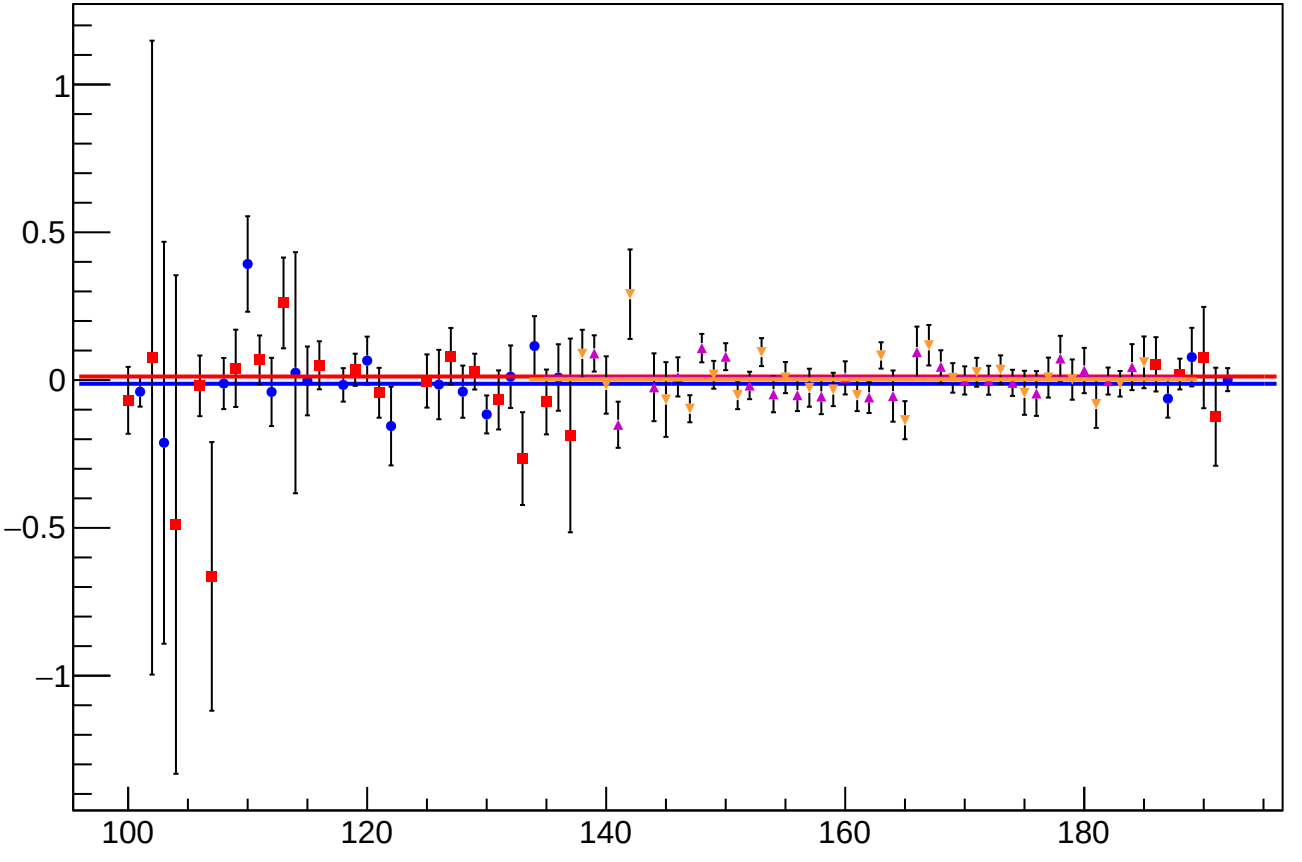
+ sign 0.000+/-0.000 χ^2/NDF: 40.5/42

All: 0.000+/-0.000 χ^2/NDF: 84.0/87

- sign 0.000+/-0.000 χ^2/NDF: 43.2/44


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×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: 2487912.1/18
Left Out: 0.000+/-0.000 χ²/NDF:1898110.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2353932.1/21
Left In: 0.000+/-0.000 χ²/NDF:4499862.2/22
+ sign 0.000+/-0.000 χ²/NDF: 4840359.1/42
All: 0.000+/-0.000 χ²/NDF: 13340274.3/87
- sign 0.000+/-0.000 χ²/NDF: 8215137.1/44

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



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

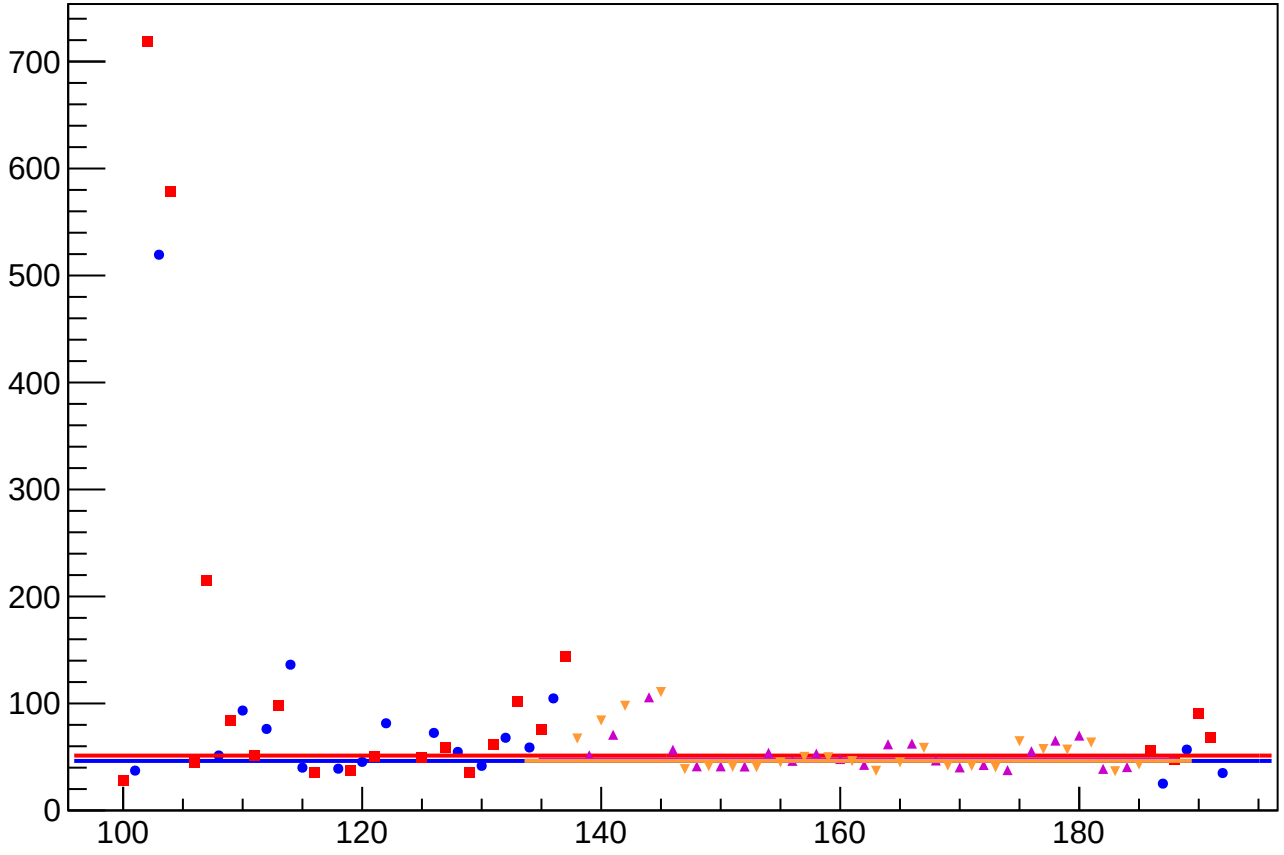
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.010 χ^2/NDF: 45.1/42

All: 0.003+/-0.007 χ^2/NDF: 80.8/87

- sign 0.008+/-0.010 χ^2/NDF: 35.2/44

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



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

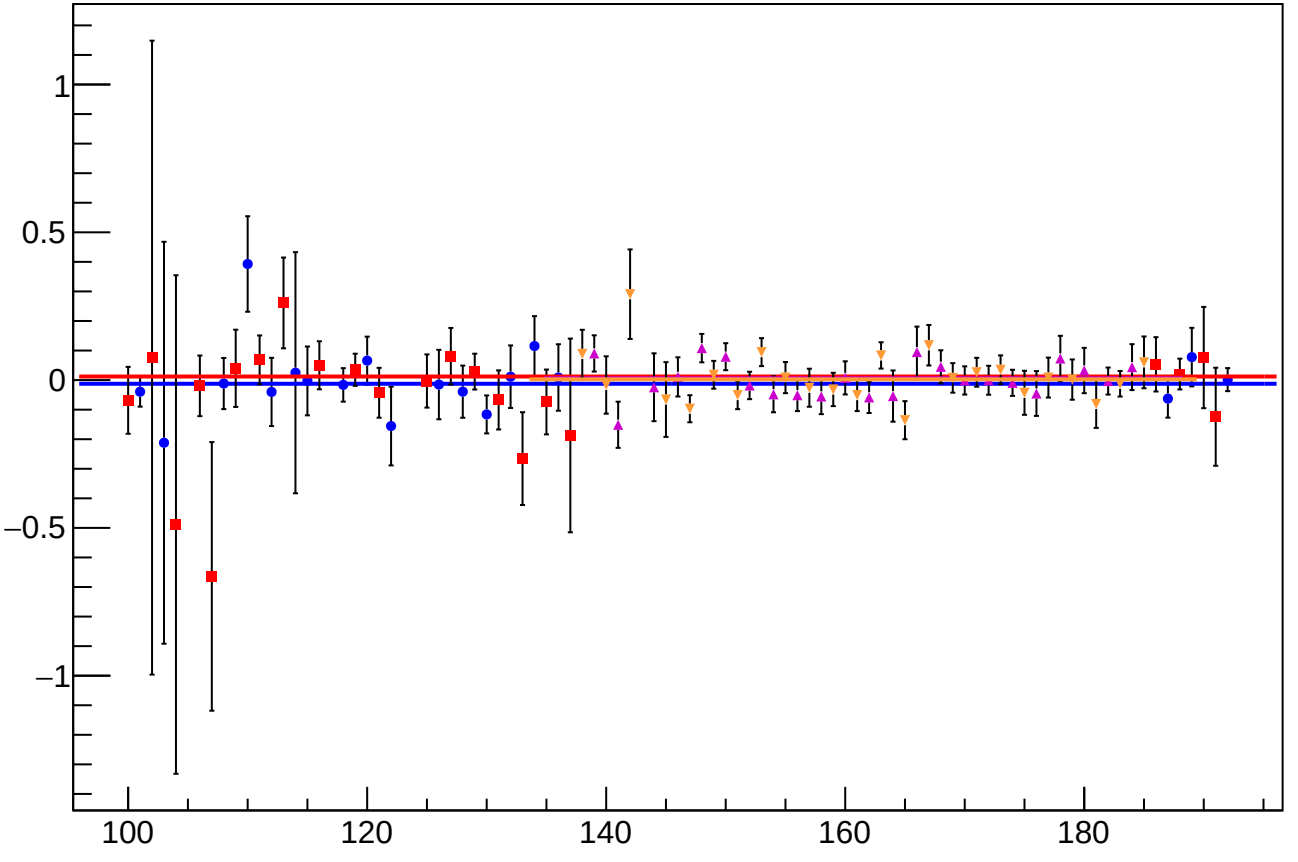
Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 46.336+/-0.007 χ^2/NDF: 4779602.5/42

All: 47.382+/-0.005 χ^2/NDF: 9641534.0/87

- sign 48.527+/-0.007 χ^2/NDF: 4816011.6/44

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.012+/-0.018 χ^2/NDF: 14.8/18

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

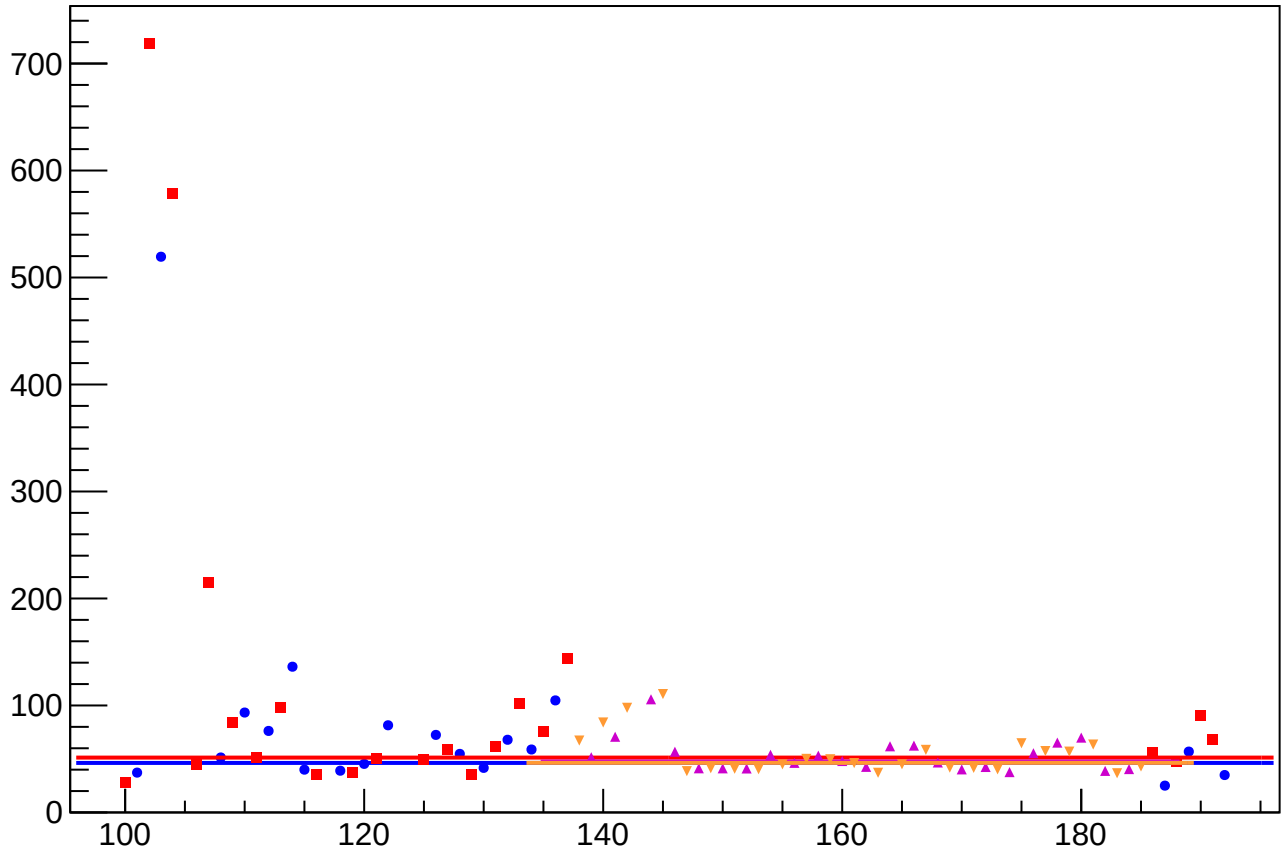
Right Out: 0.012+/-0.021 χ^2/NDF: 13.5/21

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.010 χ^2/NDF: 45.1/42

All: 0.003+/-0.007 χ^2/NDF: 80.8/87

- sign 0.008+/-0.010 χ^2/NDF: 35.2/44



Right In: 46.295+/-0.013 χ^2/NDF: 2811835.0/18

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

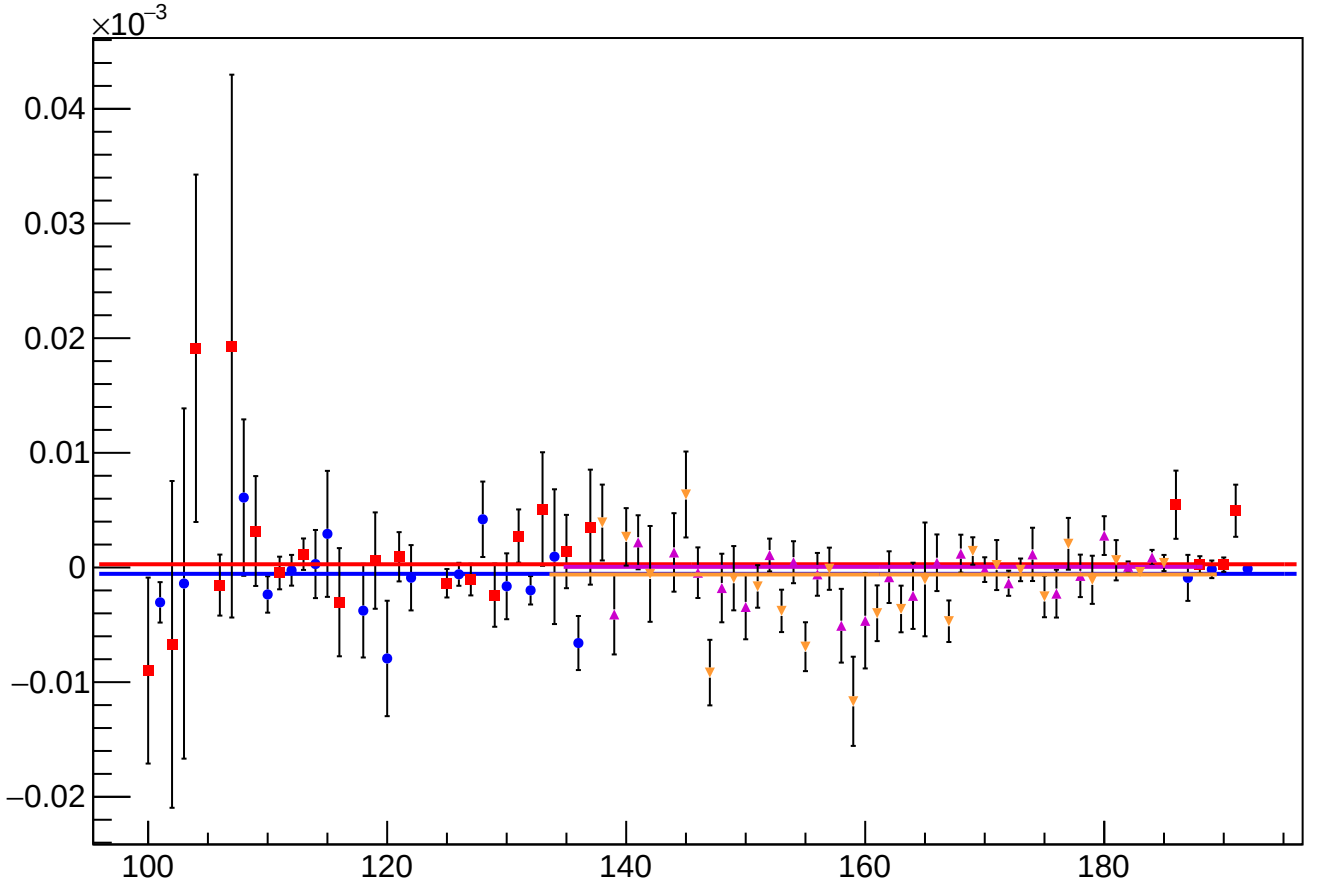
Right Out: 51.277+/-0.015 χ^2/NDF: 3191908.3/21

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 46.336+/-0.007 χ^2/NDF: 4779602.5/42

All: 47.382+/-0.005 χ^2/NDF: 9641534.0/87

- sign 48.527+/-0.007 χ^2/NDF: 4816011.6/44



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

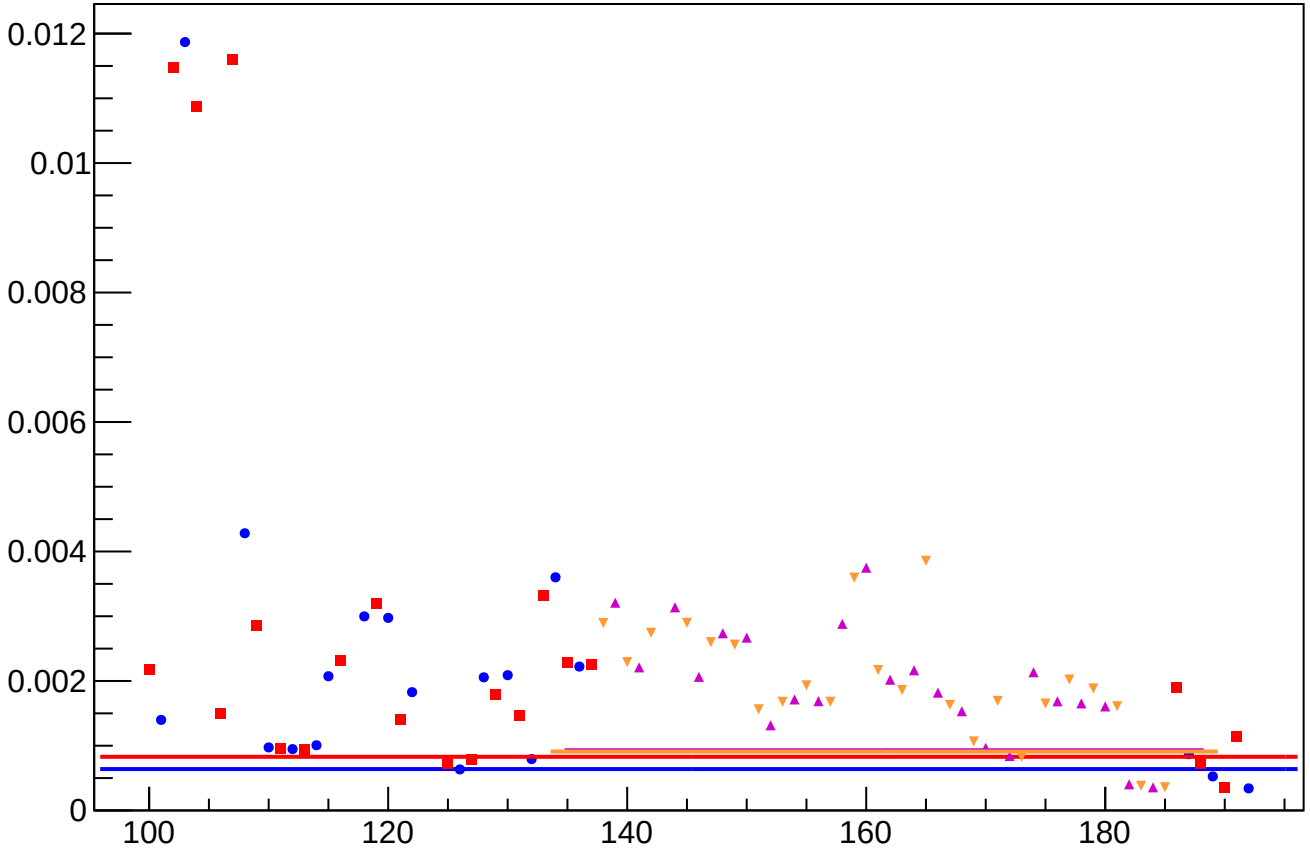
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/21

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.2/42

All: -0.000+/-0.000 χ^2/NDF: 116.6/87

- sign 0.000+/-0.000 χ^2/NDF: 37.5/44



Right In: 0.001+/-0.000 χ^2/NDF: 7282388.5/18

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

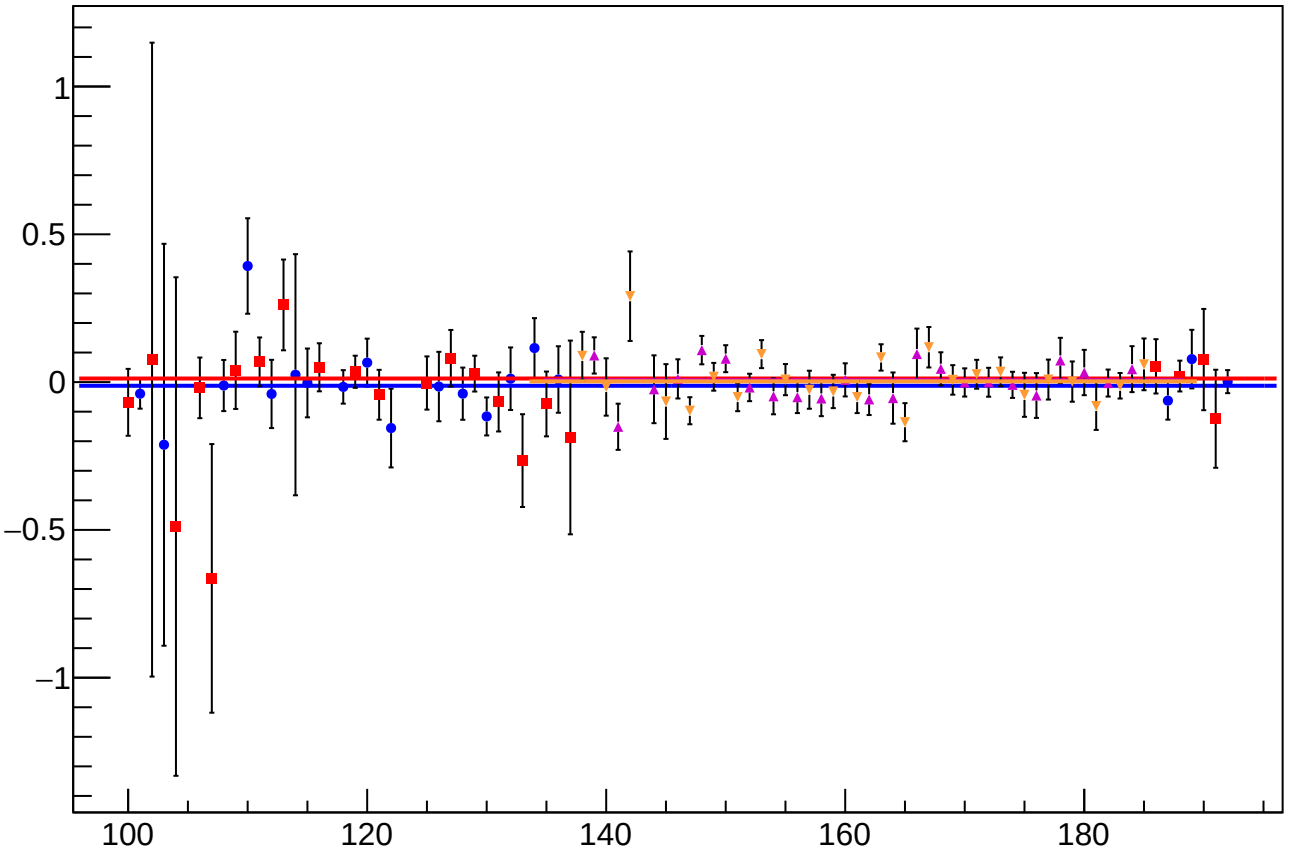
Right Out: 0.001+/-0.000 χ^2/NDF: 6935674.2/21

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 22320211.5/42

All: 0.001+/-0.000 χ^2/NDF: 43316016.5/87

- sign 0.001+/-0.000 χ^2/NDF: 20727242.8/44



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

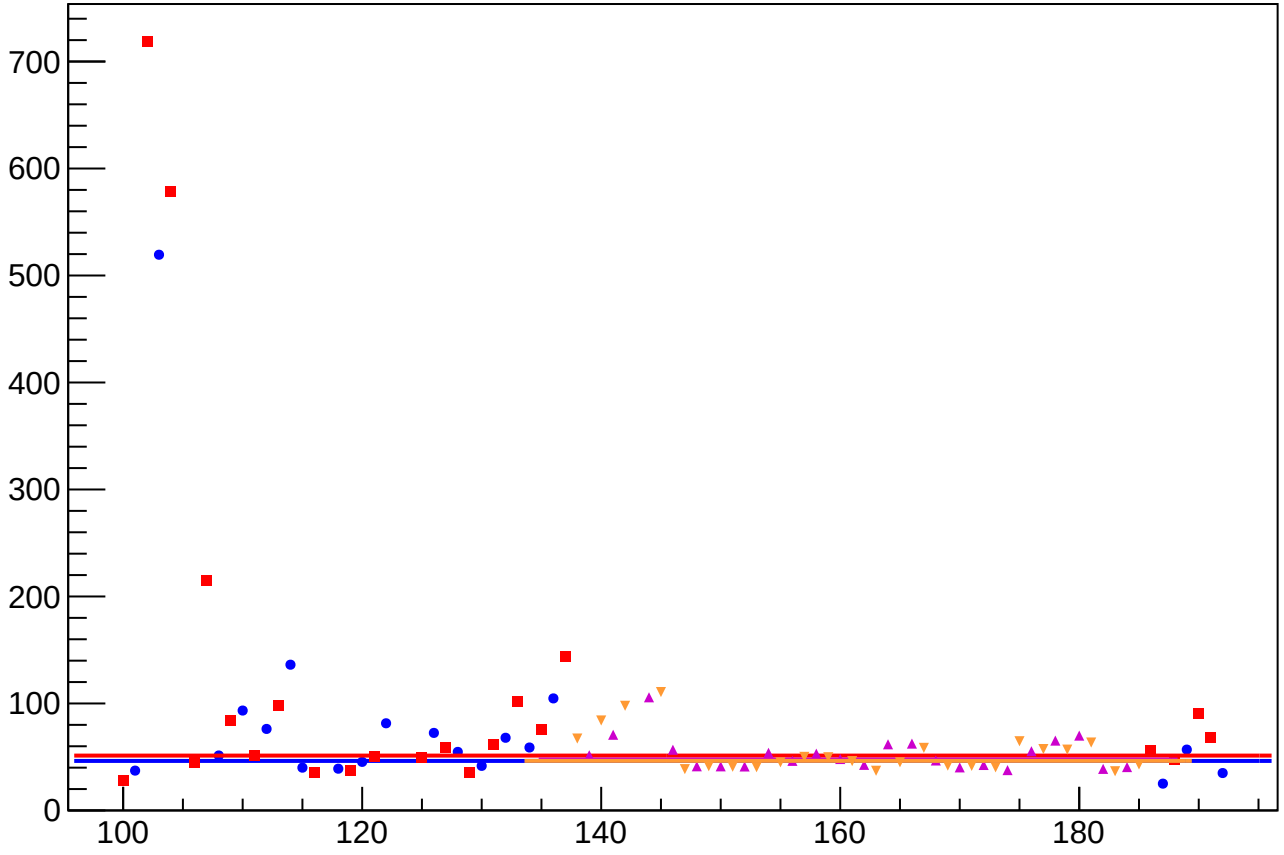
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.010 χ^2/NDF: 45.1/42

All: 0.003+/-0.007 χ^2/NDF: 80.8/87

- sign 0.008+/-0.010 χ^2/NDF: 35.2/44

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 46.295+/-0.013 χ^2/NDF: 2811826.0/18

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

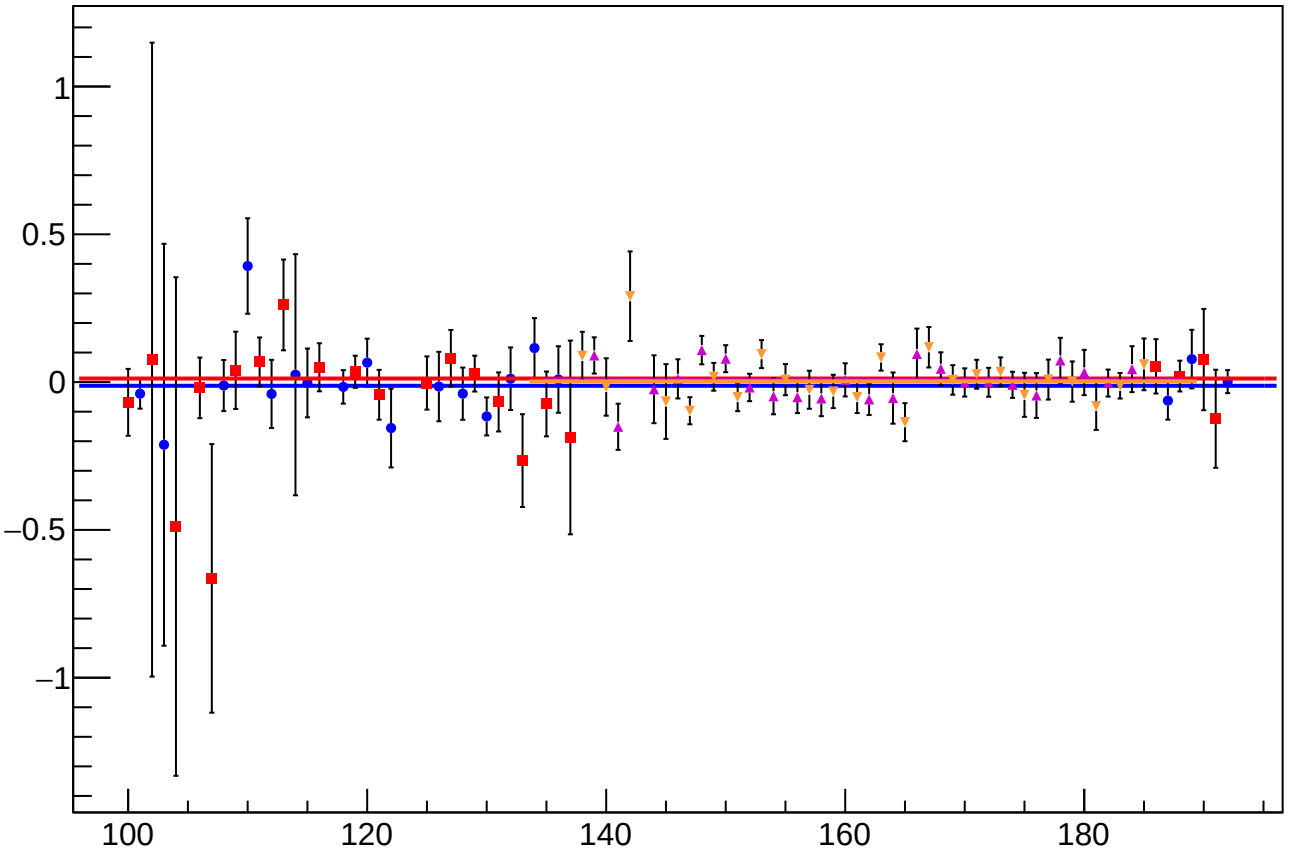
Right Out: 51.277+/-0.015 χ^2/NDF: 3191890.3/21

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.336+/-0.007 χ^2/NDF: 4779581.6/42

All: 47.382+/-0.005 χ^2/NDF: 9641493.2/87

- sign 48.527+/-0.007 χ^2/NDF: 4815995.0/44



Right In: -0.012+/-0.018 χ^2/NDF: 14.8/18

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

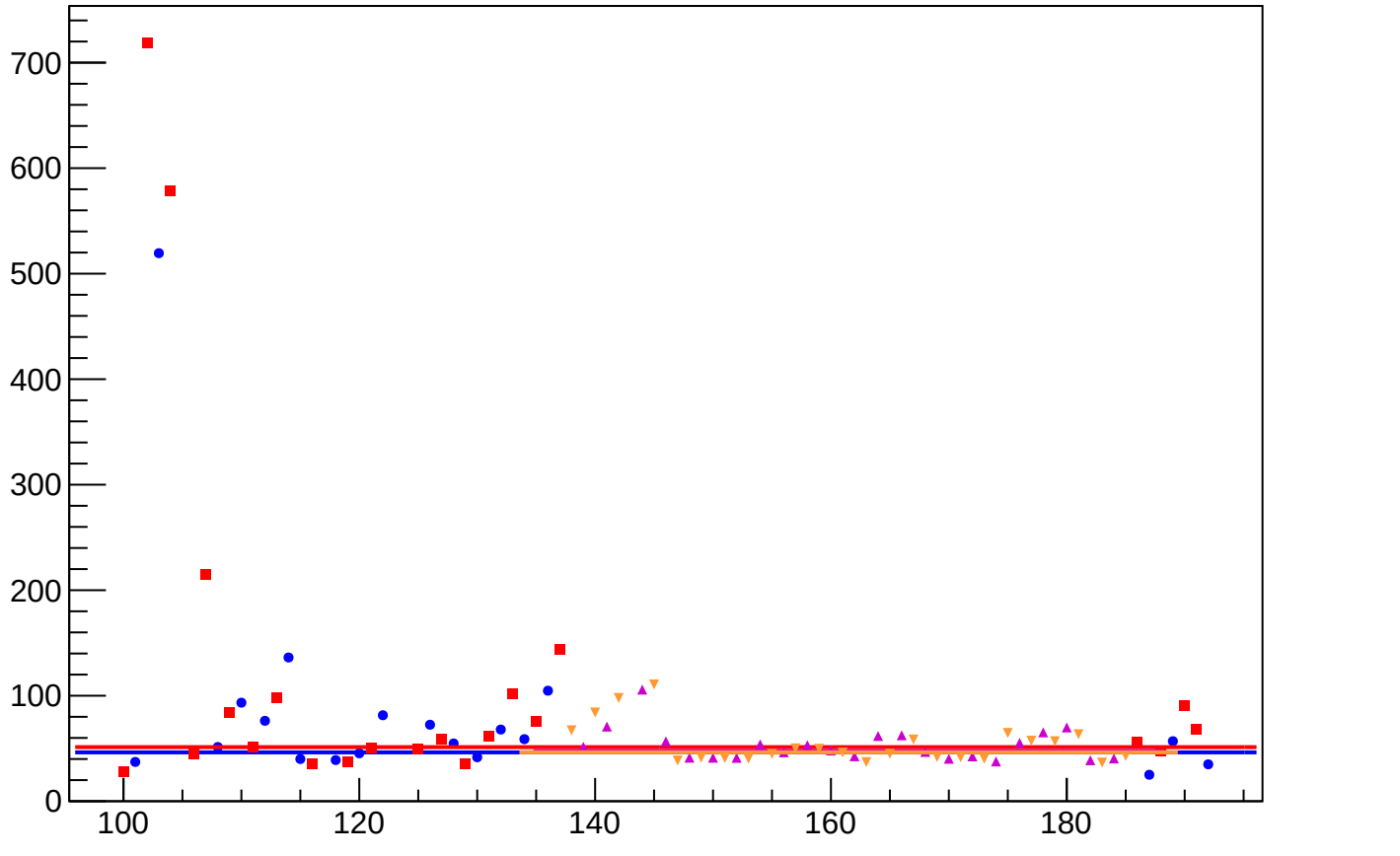
Right Out: 0.012+/-0.021 χ^2/NDF: 13.5/21

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.010 χ^2/NDF: 45.1/42

All: 0.003+/-0.007 χ^2/NDF: 80.8/87

- sign 0.008+/-0.010 χ^2/NDF: 35.2/44



Right In: 46.295+/-0.013 χ^2/NDF: 2811826.0/18

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

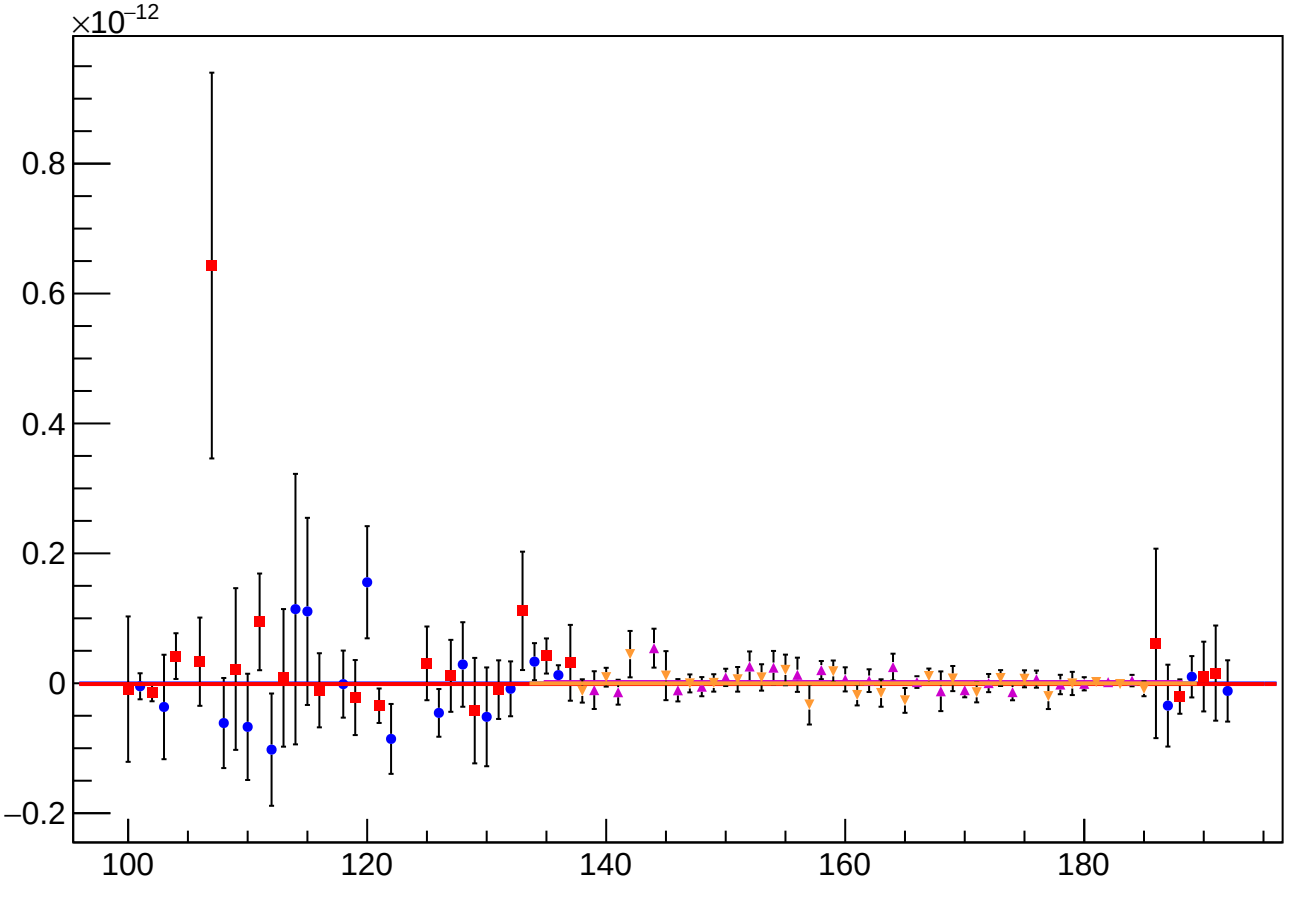
Right Out: 51.277+/-0.015 χ^2/NDF: 3191890.3/21

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.336+/-0.007 χ^2/NDF: 4779581.6/42

All: 47.382+/-0.005 χ^2/NDF: 9641493.2/87

- sign 48.527+/-0.007 χ^2/NDF: 4815995.0/44



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

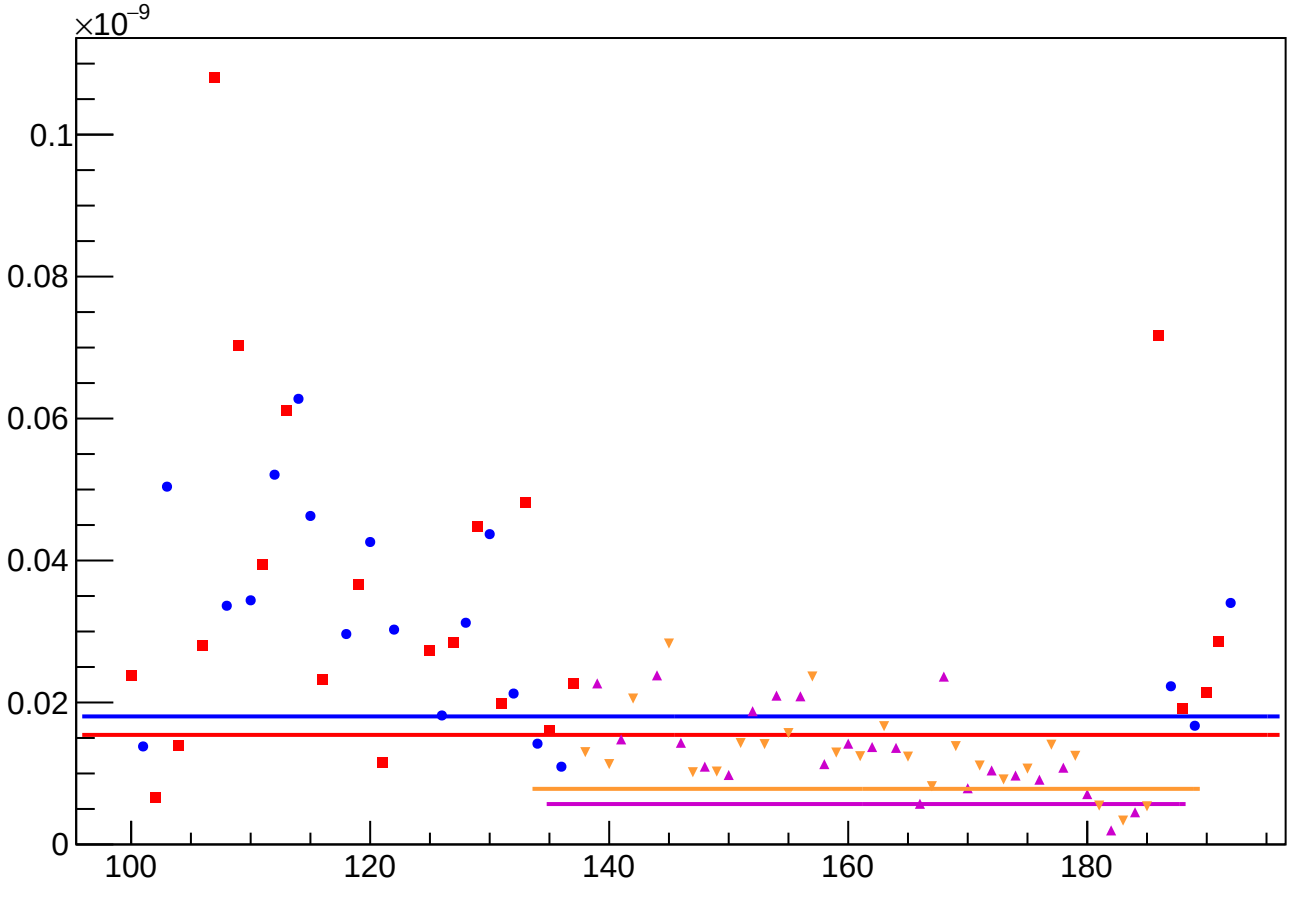
Right Out: -0.000+/-0.000 χ^2/NDF: 16.9/21

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 28.4/42

All: 0.000+/-0.000 χ^2/NDF: 59.1/87

- sign 0.000+/-0.000 χ^2/NDF: 30.3/44



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

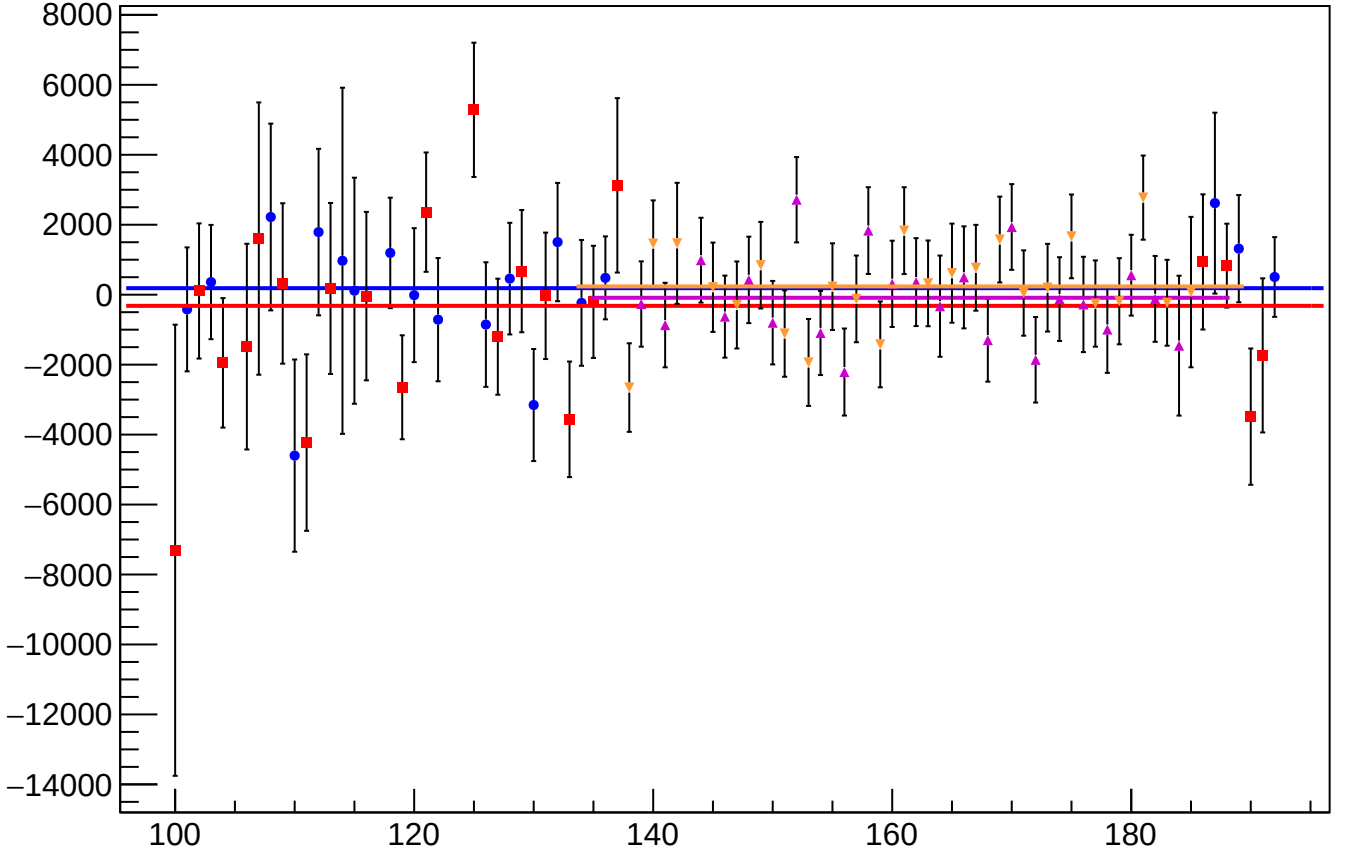
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11396647.0/42

All: 0.000+/-0.000 χ^2/NDF: 29956246.3/87

- sign 0.000+/-0.000 χ^2/NDF: 17490560.9/44

reg_asym_usl_atl1_dd_mean vs Slug



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

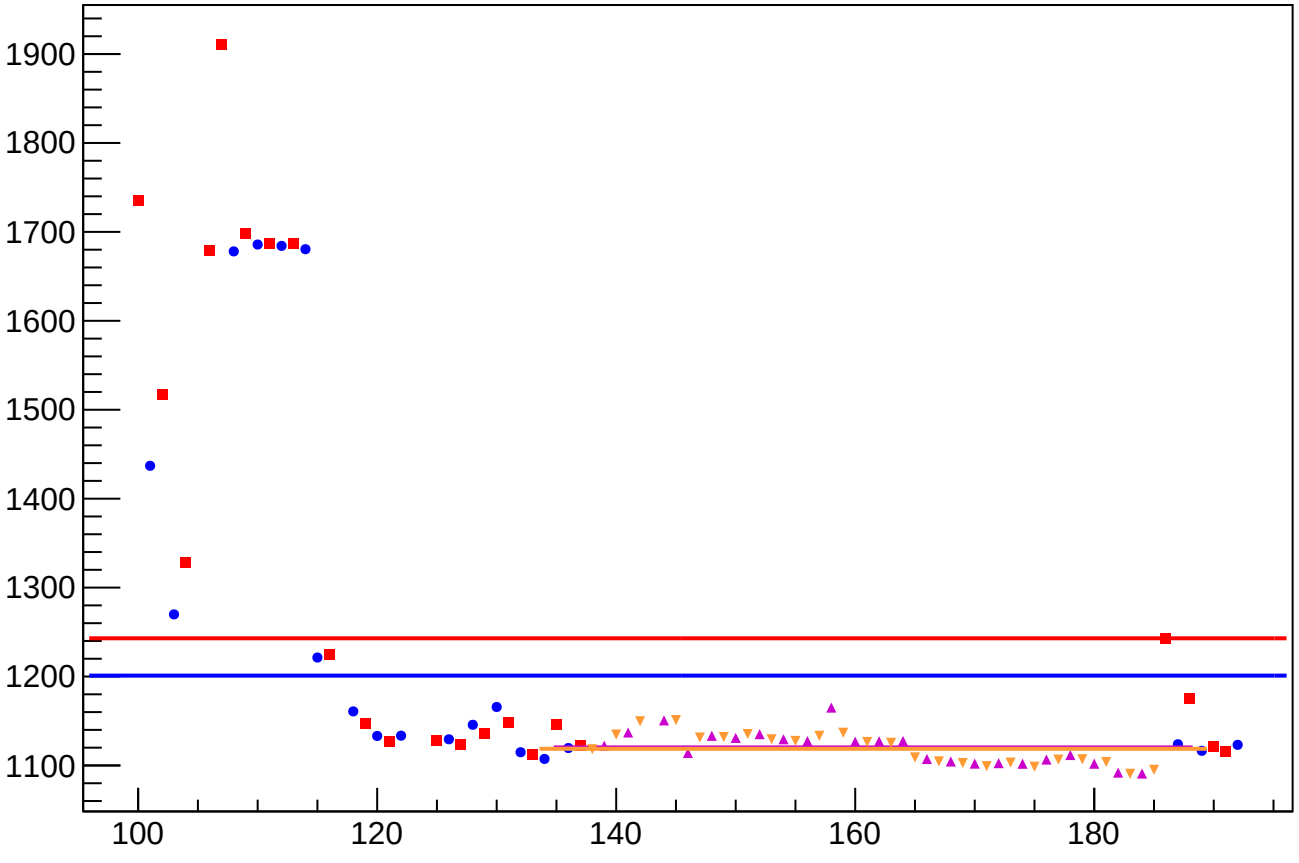
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 221.970+/-218.646 χ^2/NDF: 34.6/42

All: 35.743+/-155.425 χ^2/NDF: 86.3/87

- sign -154.484+/-220.982 χ^2/NDF: 50.3/44

reg_asym_usl_atl1_dd_rms vs Slug



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

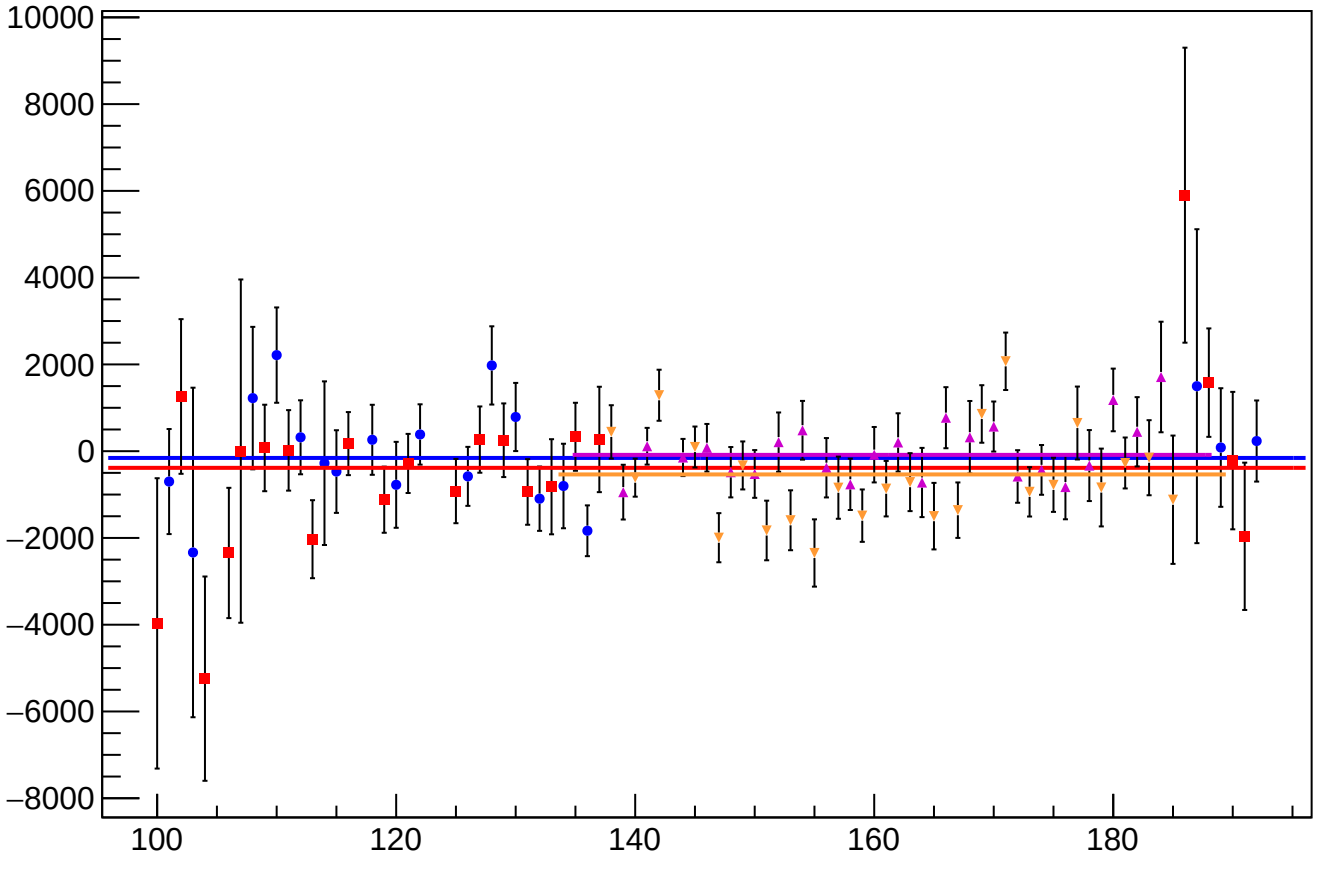
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1142.684+/-0.155 χ^2/NDF: 383718.6/42

All: 1148.999+/-0.110 χ^2/NDF: 981305.5/87

- sign 1155.451+/-0.156 χ^2/NDF: 594213.7/44

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -155.814+/-213.742 χ^2/NDF: 25.7/18

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -384.085+/-215.443 χ^2/NDF: 23.7/21

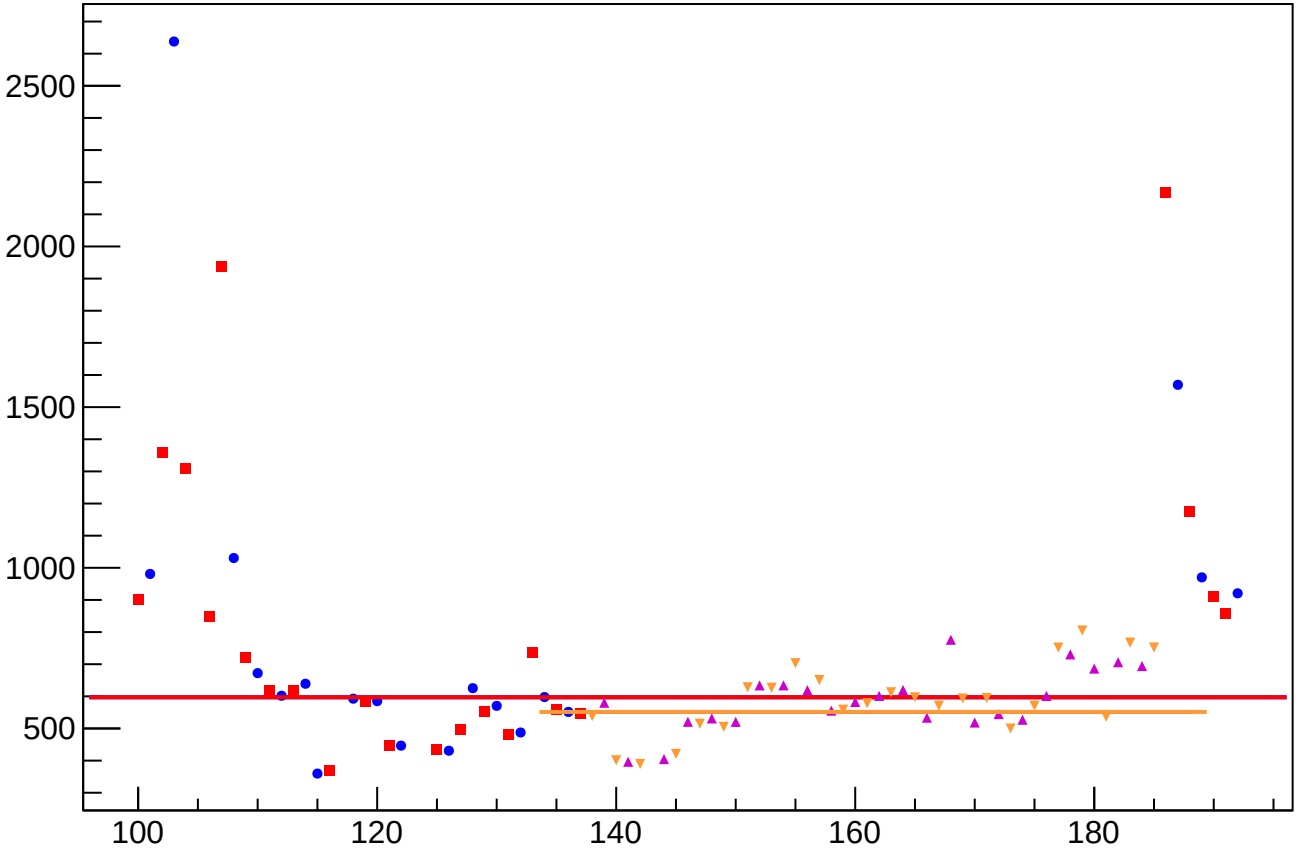
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -432.520+/-111.472 χ^2/NDF: 89.6/42

All: -299.727+/-78.977 χ^2/NDF: 134.6/87

- sign -165.886+/-111.911 χ^2/NDF: 42.2/44

asym_usl_atl1_dd_reg_correction_rms vs Slug



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

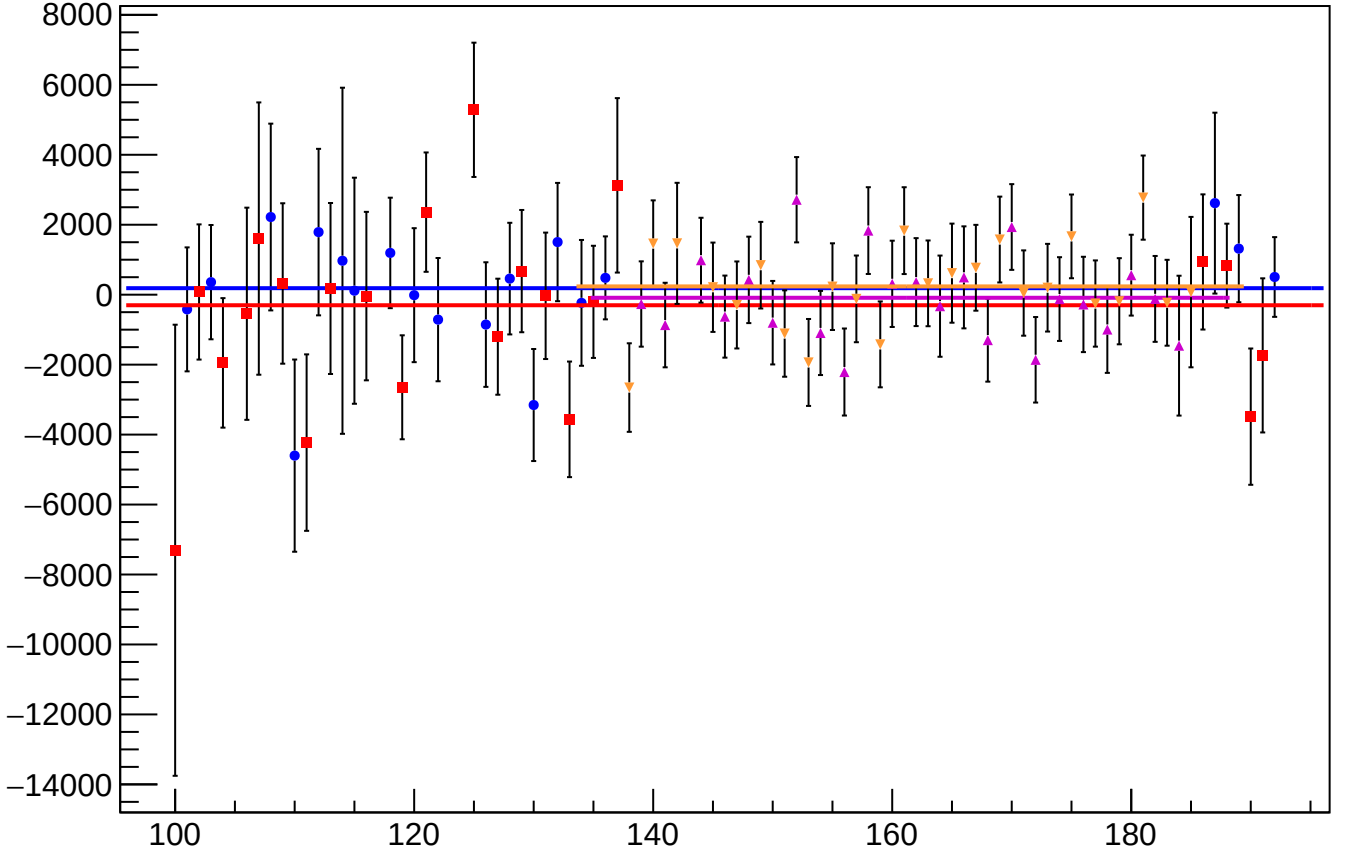
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 563.824+/-0.079 χ^2/NDF: 3151828.3/42

All: 563.766+/-0.056 χ^2/NDF: 6664367.3/87

- sign 563.708+/-0.079 χ^2/NDF: 3512538.0/44

cor_asym_usl_atl1_dd_mean vs Slug



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

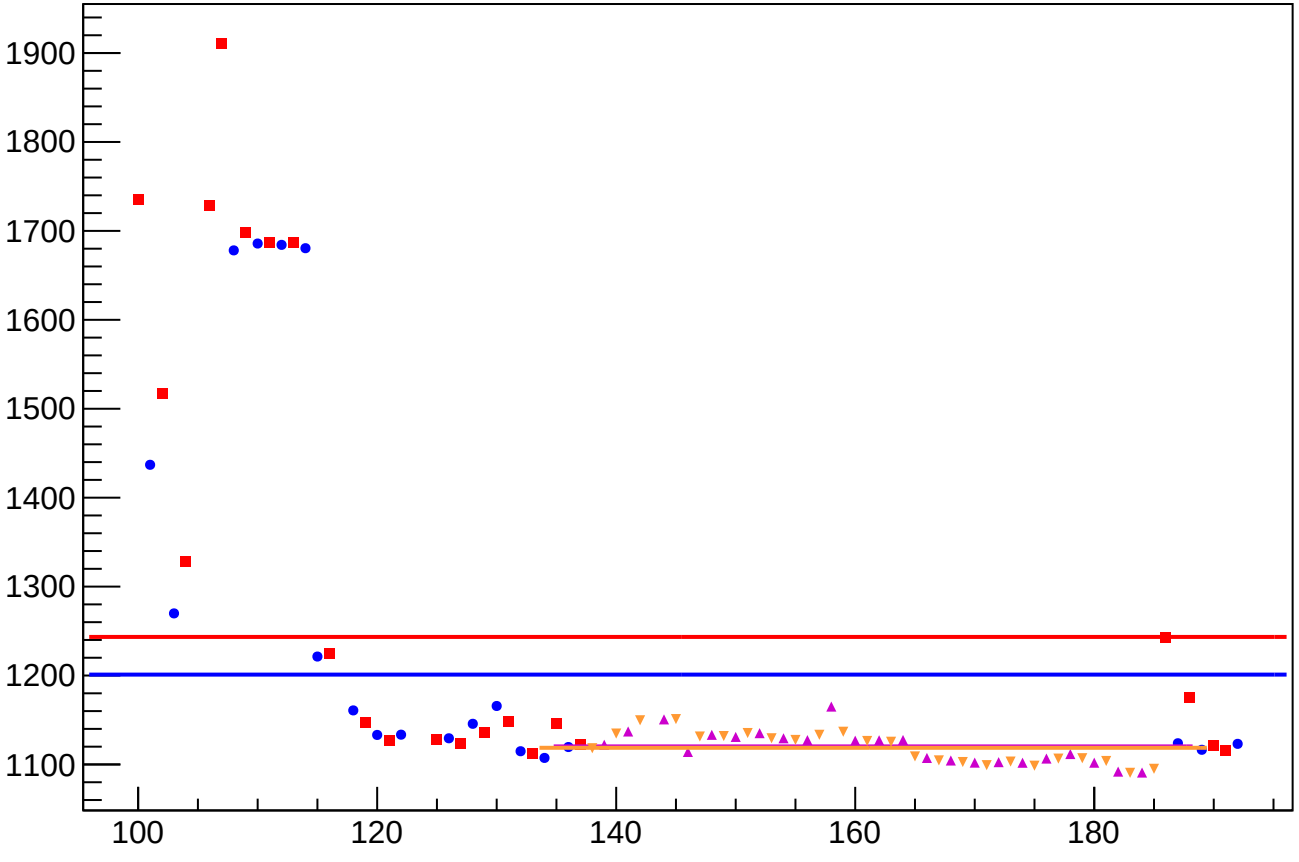
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 221.944+/-218.646 χ^2/NDF: 34.6/42

All: 38.257+/-155.438 χ^2/NDF: 86.1/87

- sign -149.440+/-221.020 χ^2/NDF: 50.1/44

cor_asym_usl_atl1_dd_rms vs Slug



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

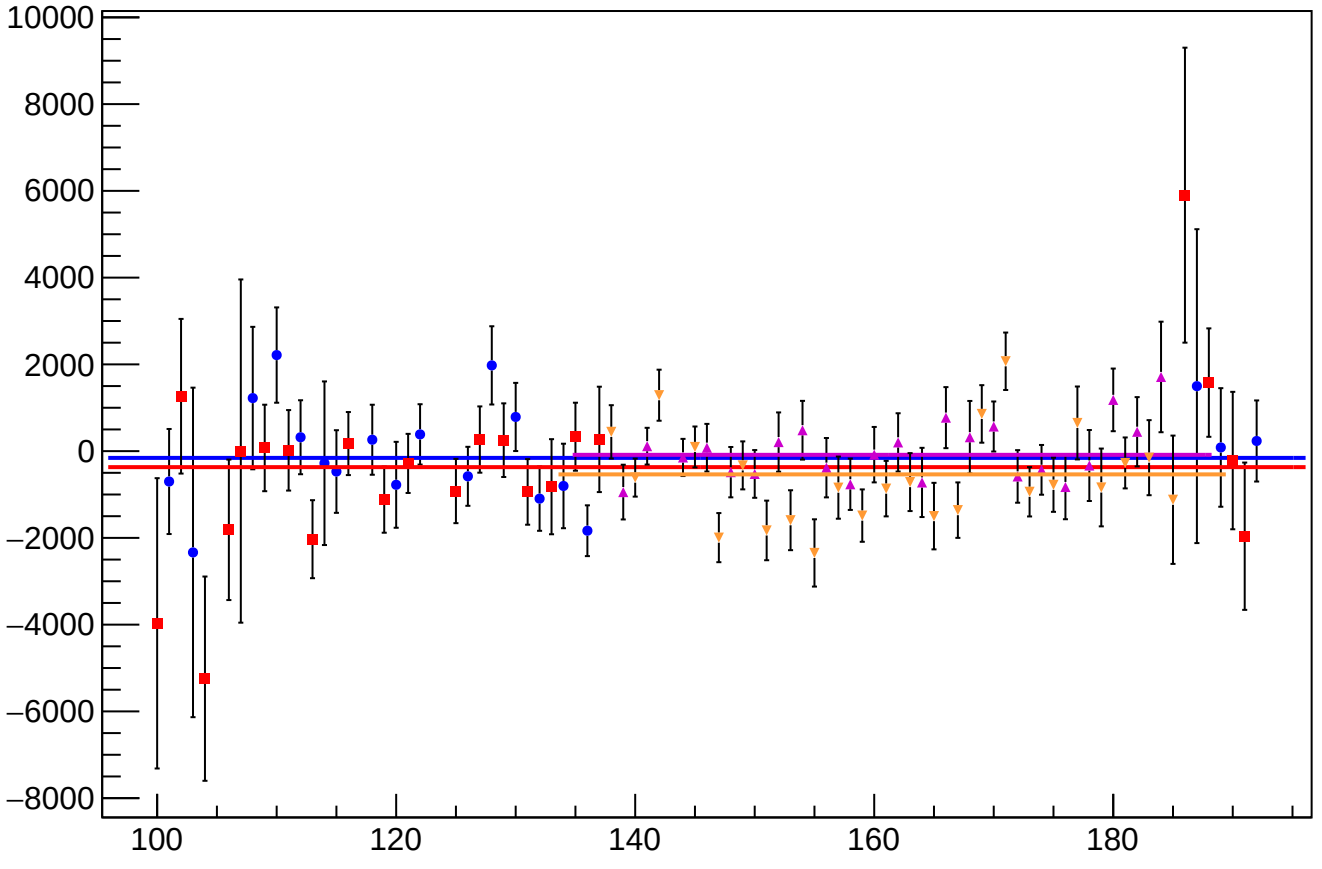
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1142.684+/-0.155 χ^2/NDF: 383718.7/42

All: 1149.042+/-0.110 χ^2/NDF: 989467.7/87

- sign 1155.539+/-0.156 χ^2/NDF: 602329.8/44

asym_usl_atl1_dd_cor_correction_mean vs Slug



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

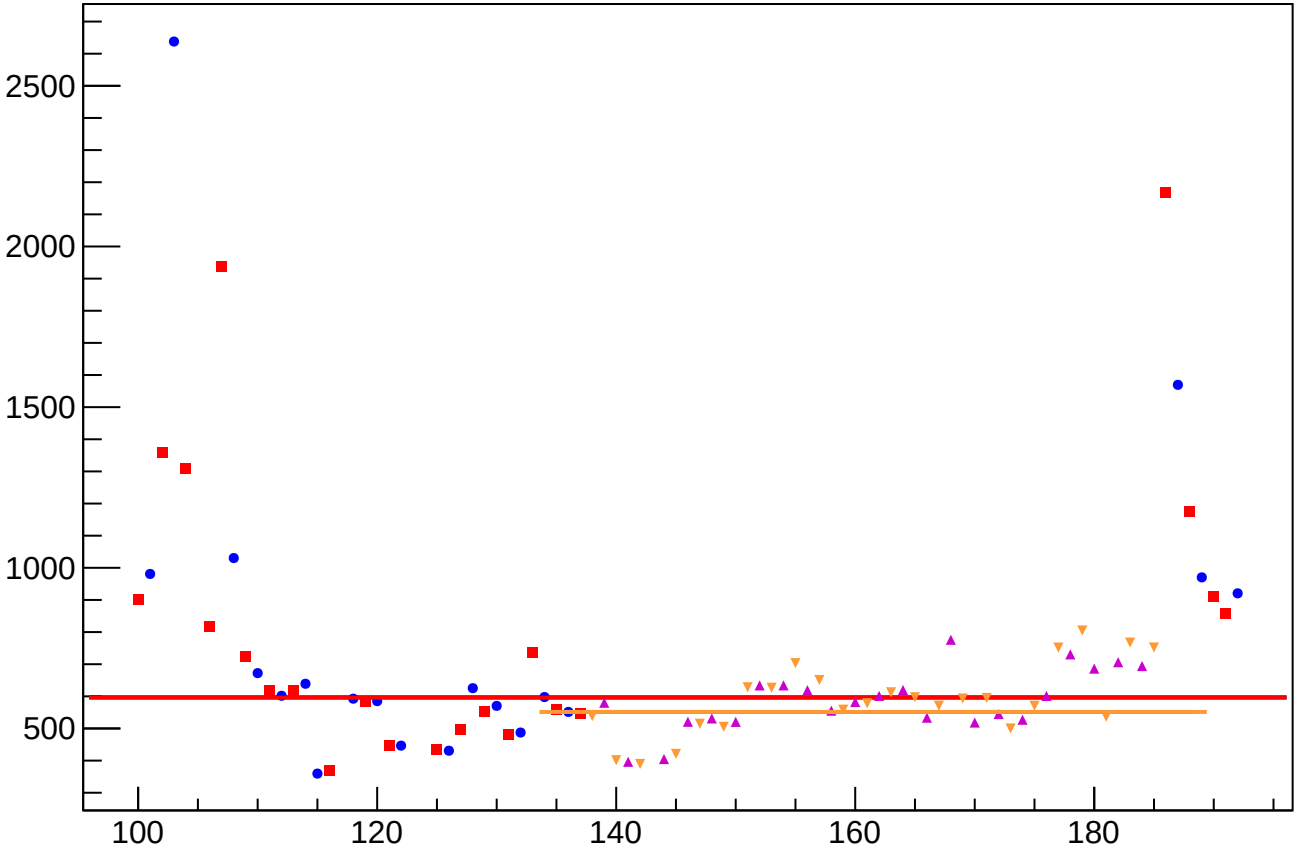
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -432.542+/-111.472 χ^2/NDF: 89.6/42

All: -297.679+/-78.992 χ^2/NDF: 133.6/87

- sign -161.648+/-111.954 χ^2/NDF: 41.1/44

asym_usl_atl1_dd_cor_correction_rms vs Slug



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

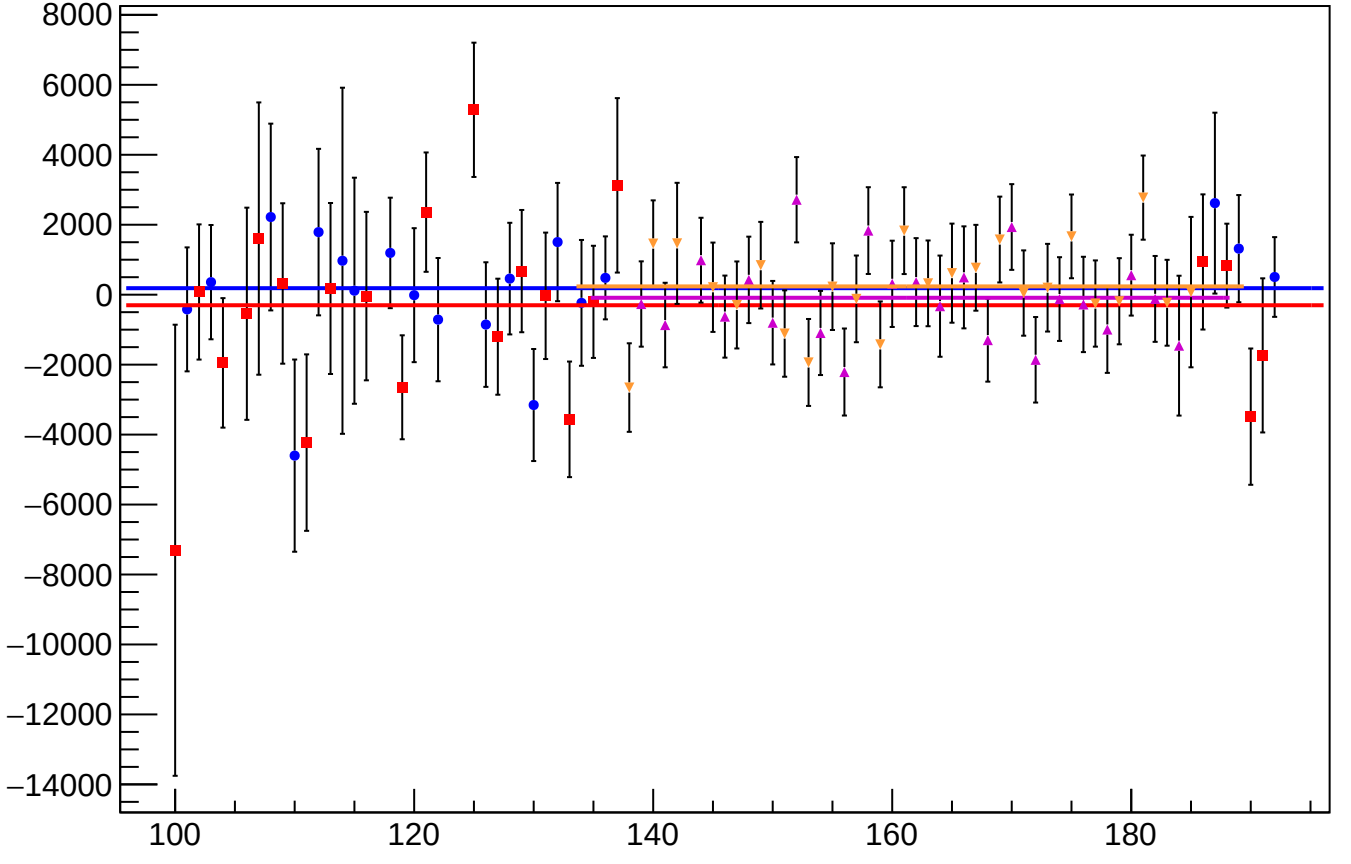
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

\+ sign 563.822+/-0.079 χ^2/NDF: 3151822.5/42

All: 563.581+/-0.056 χ^2/NDF: 6641835.3/87

\- sign 563.337+/-0.079 χ^2/NDF: 3489994.0/44

eigen_cor_asym_usl_atl1_dd_mean vs Slug



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

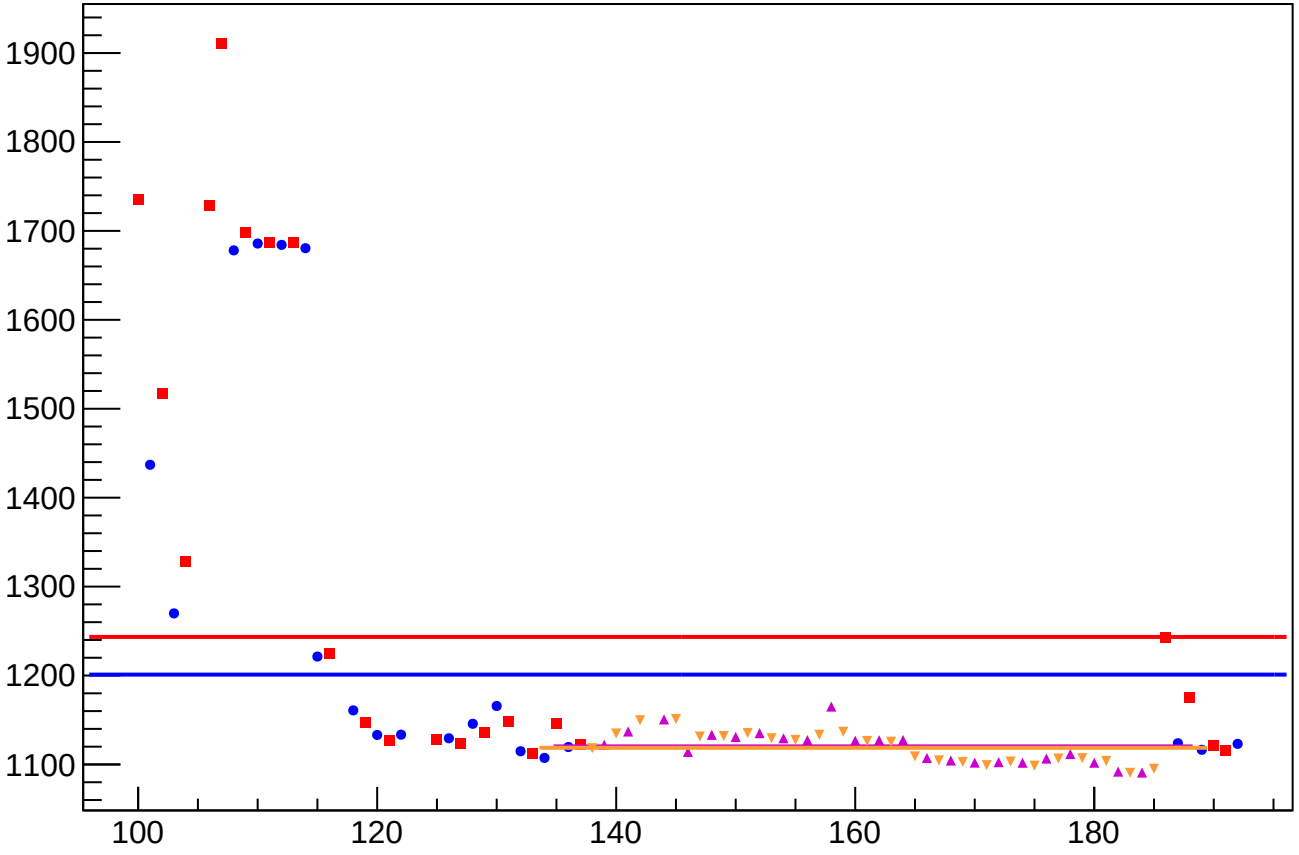
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 221.944+/-218.646 χ^2/NDF: 34.6/42

All: 38.257+/-155.438 χ^2/NDF: 86.1/87

- sign -149.440+/-221.020 χ^2/NDF: 50.1/44

eigen_cor_asym_usl_atl1_dd_rms vs Slug



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

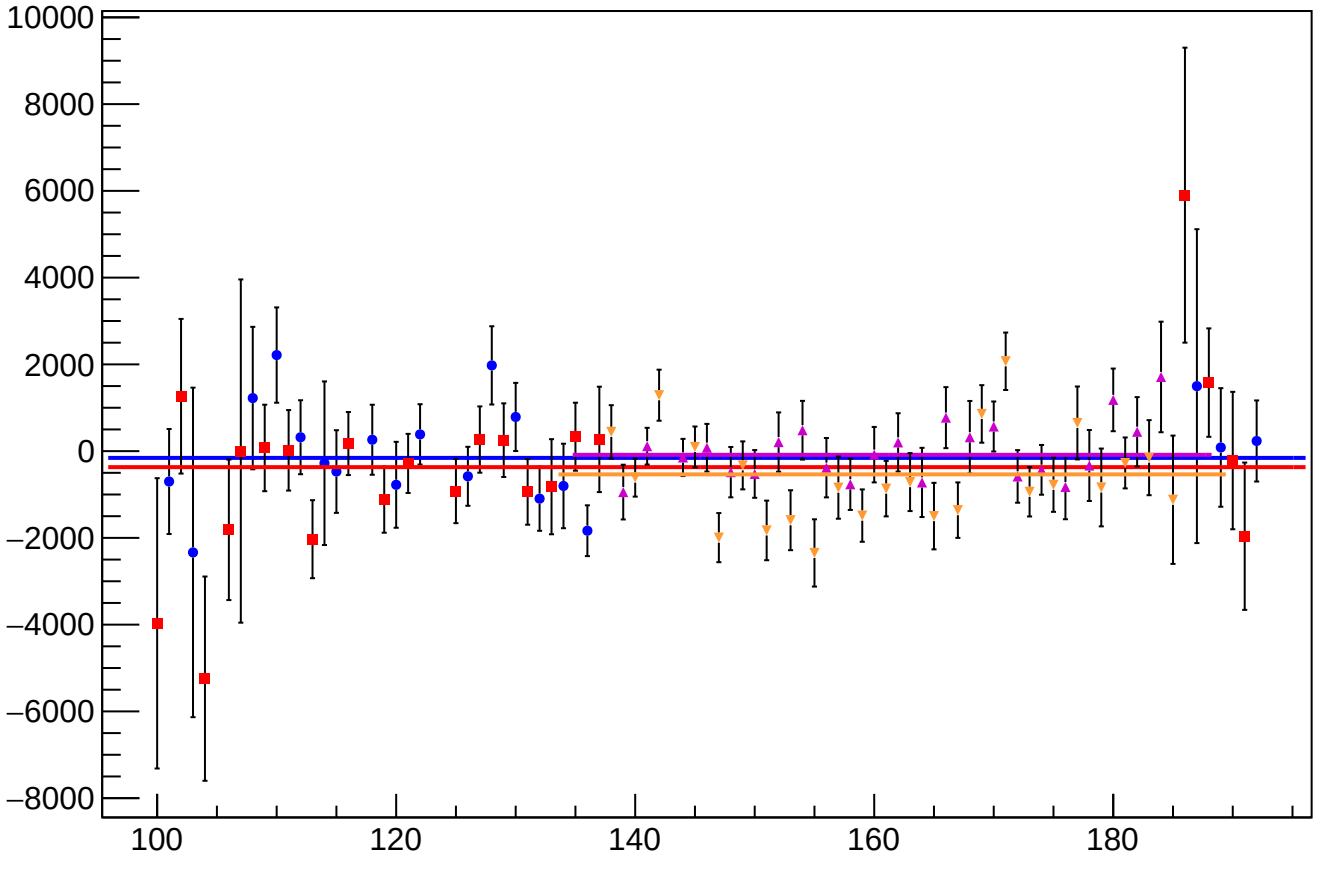
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1142.684+/-0.155 χ^2/NDF: 383718.7/42

All: 1149.042+/-0.110 χ^2/NDF: 989467.7/87

- sign 1155.539+/-0.156 χ^2/NDF: 602329.8/44

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug



Right In: -155.815+/-213.740 χ^2/NDF: 25.7/18

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

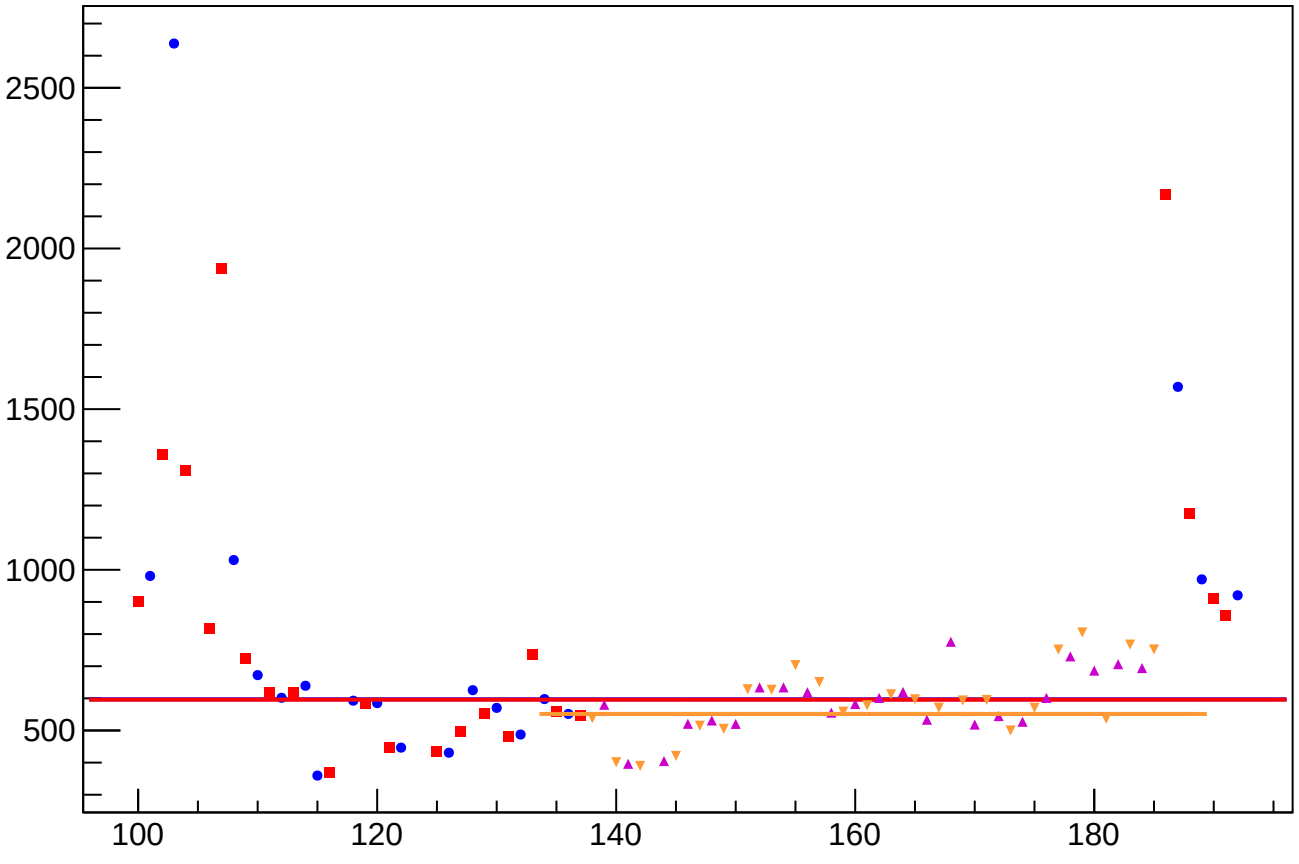
Right Out: -369.004+/-215.752 χ^2/NDF: 22.7/21

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -432.542+/-111.472 χ^2/NDF: 89.6/42

All: -297.679+/-78.992 χ^2/NDF: 133.6/87

- sign -161.648+/-111.954 χ^2/NDF: 41.1/44



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

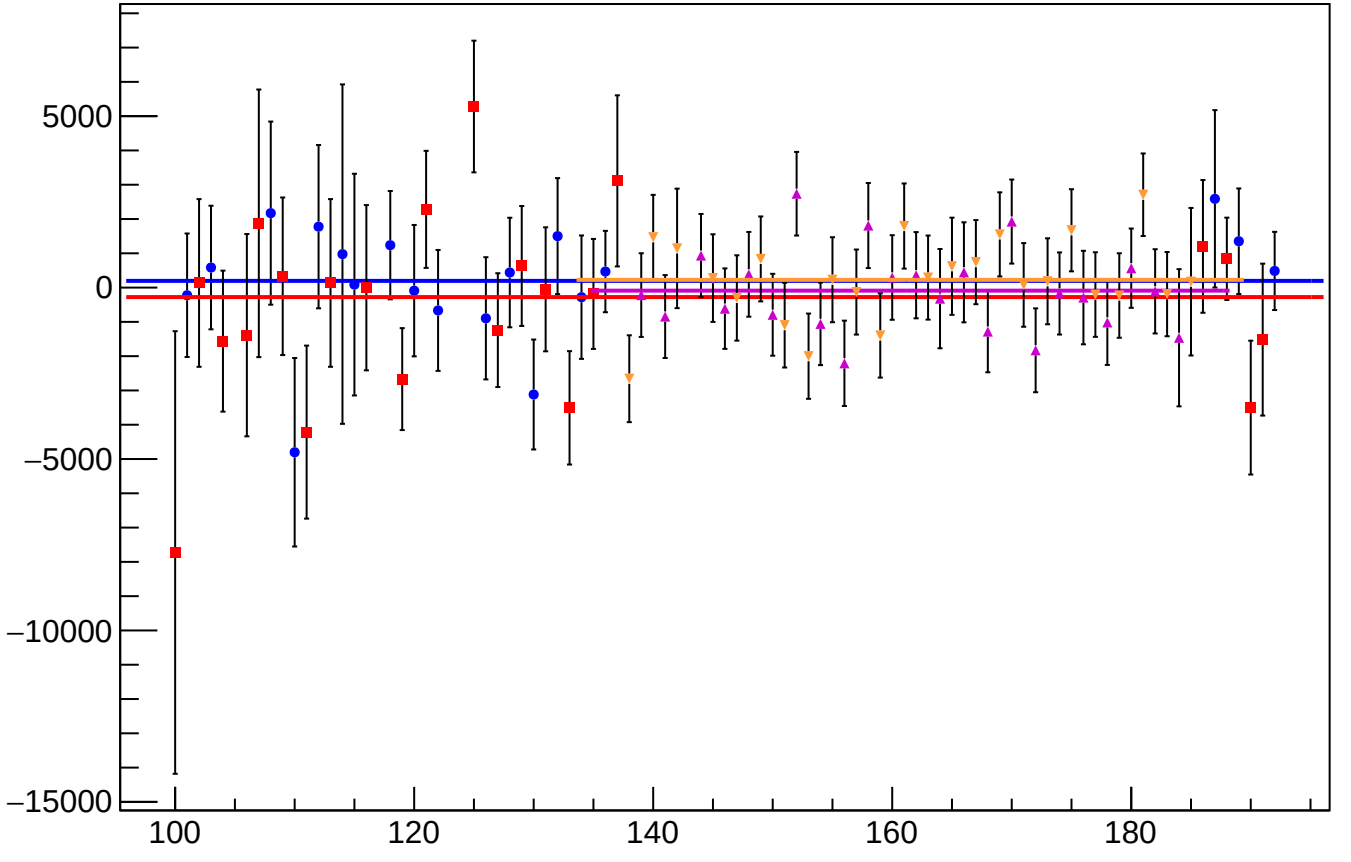
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 563.822+/-0.079 χ^2/NDF: 3151822.5/42

All: 563.581+/-0.056 χ^2/NDF: 6641835.3/87

- sign 563.337+/-0.079 χ^2/NDF: 3489994.0/44

dit_asym_usl_atl1_dd_mean vs Slug



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

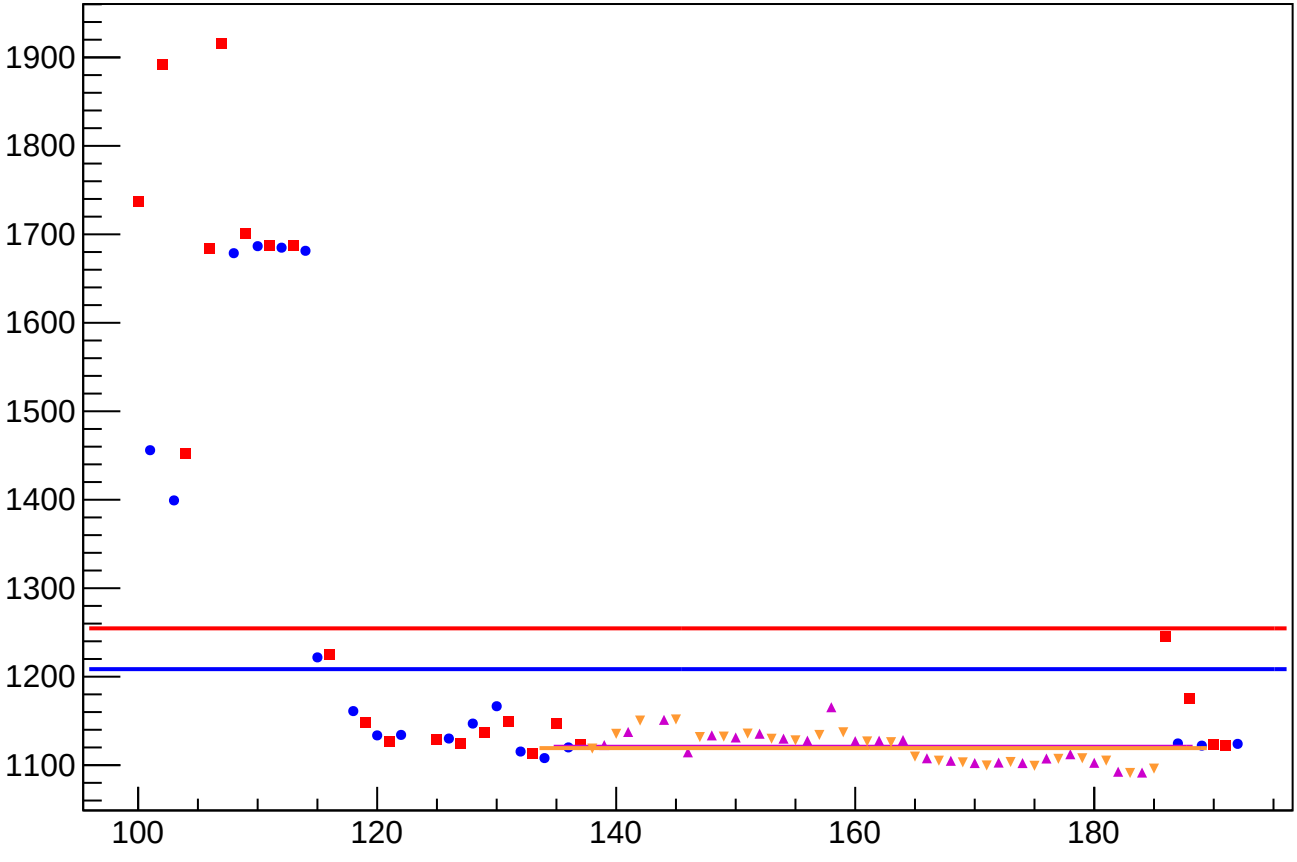
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 217.107+/-219.198 χ^2/NDF: 34.2/42

All: 39.899+/-155.963 χ^2/NDF: 85.0/87

- sign -141.797+/-221.956 χ^2/NDF: 49.4/44

dit_asym_usl_atl1_dd_rms vs Slug



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

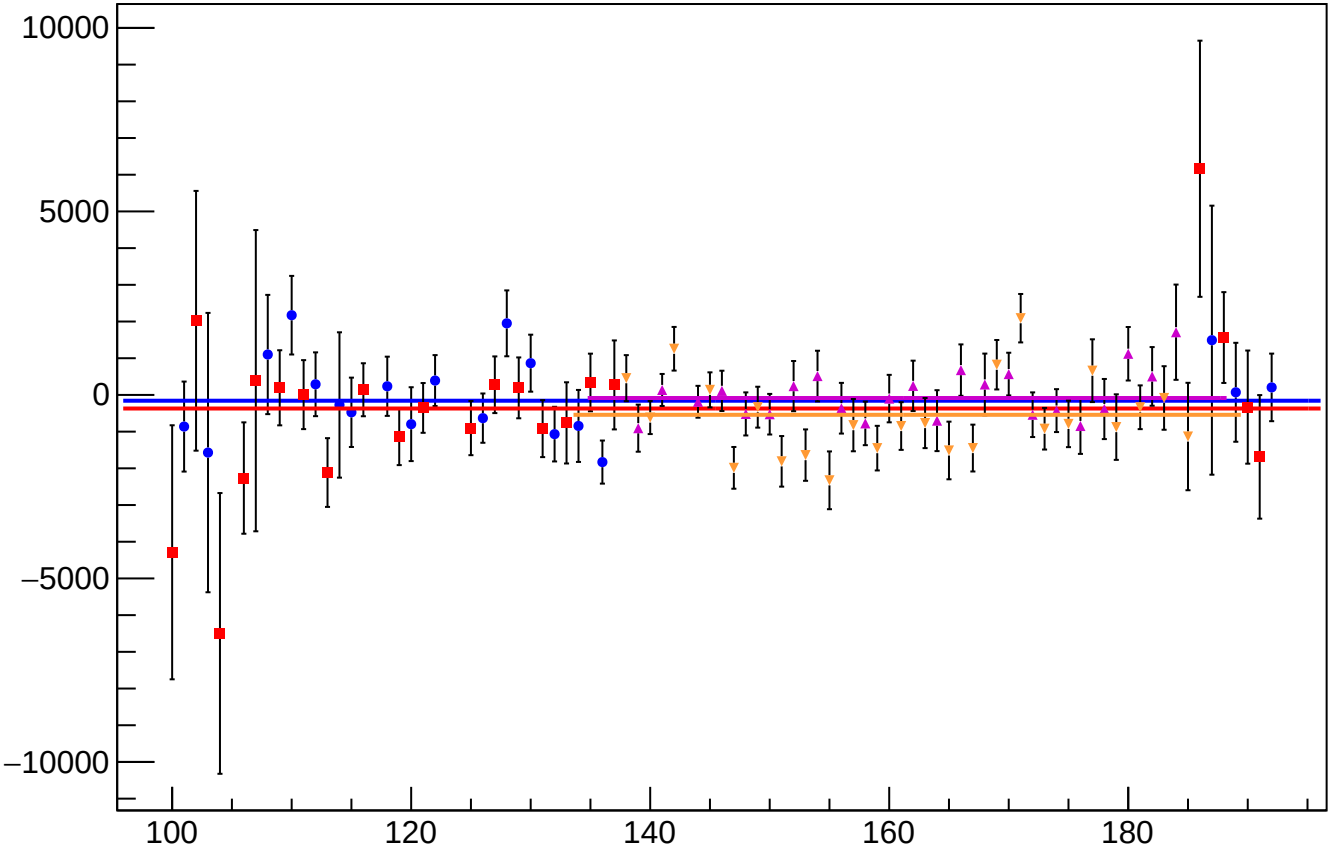
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1144.992+/-0.155 χ^2/NDF: 416613.0/42

All: 1151.598+/-0.110 χ^2/NDF: 1151406.4/87

- sign 1158.372+/-0.157 χ^2/NDF: 731113.7/44

asym_usl_atl1_dd_dit_correction_mean vs Slug



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

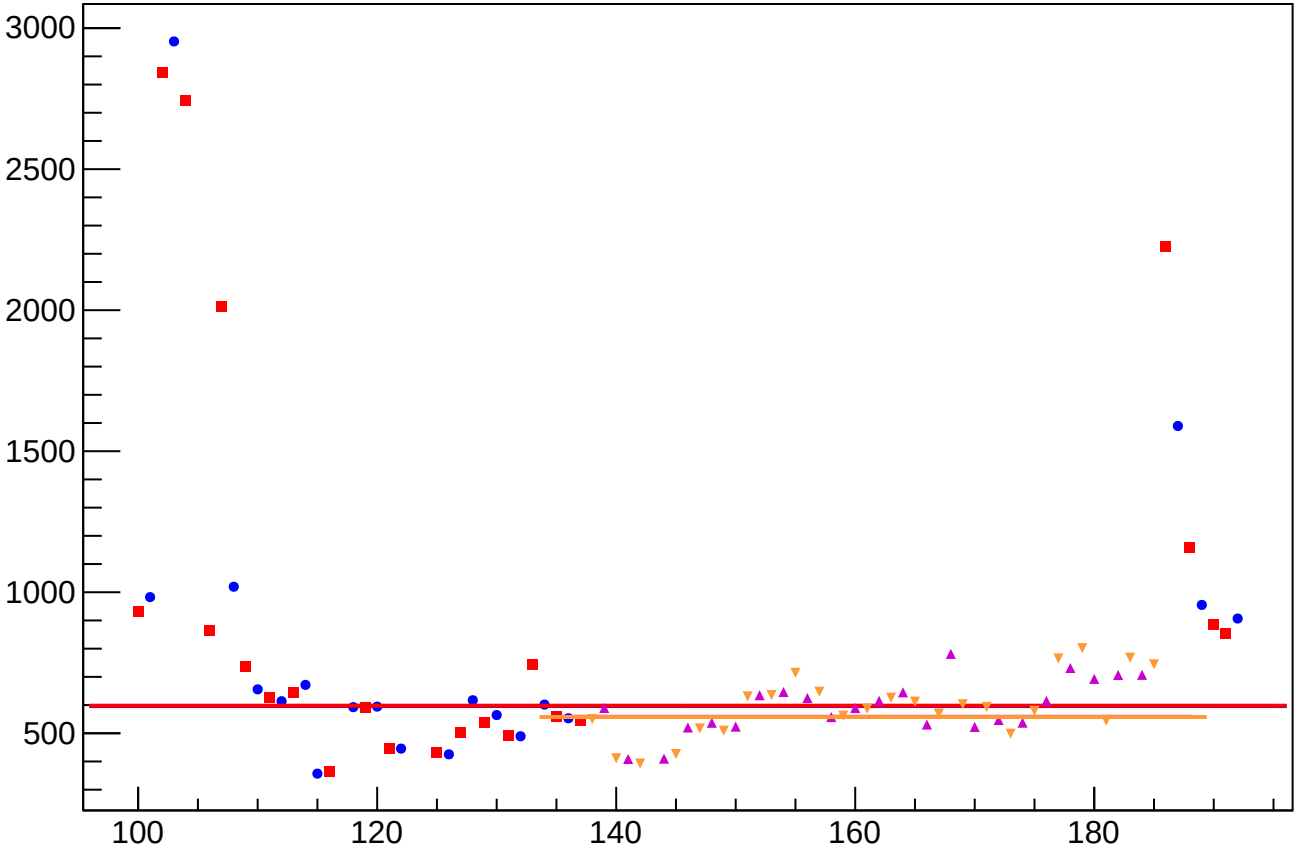
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -435.409+/-112.269 χ^2/NDF: 88.9/42

All: -299.555+/-79.748 χ^2/NDF: 130.8/87

- sign -161.197+/-113.299 χ^2/NDF: 39.0/44

asym_usl_atl1_dd_dit_correction_rms vs Slug



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

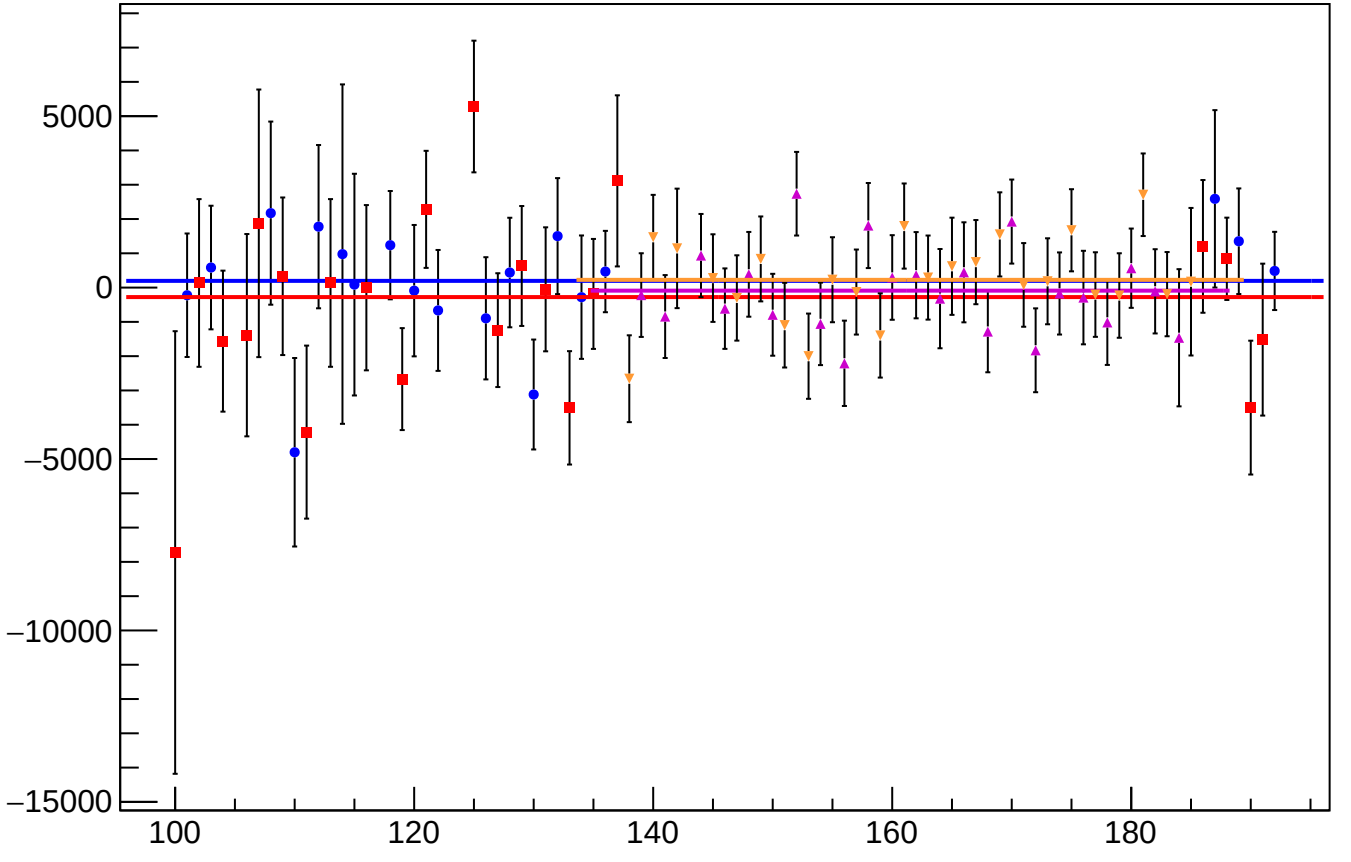
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 568.359+/-0.079 χ^2/NDF: 3277524.2/42

All: 568.678+/-0.056 χ^2/NDF: 7639798.1/87

- sign 569.003+/-0.080 χ^2/NDF: 4362241.3/44

eigen_dit_asym_usl_atl1_dd_mean vs Slug



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

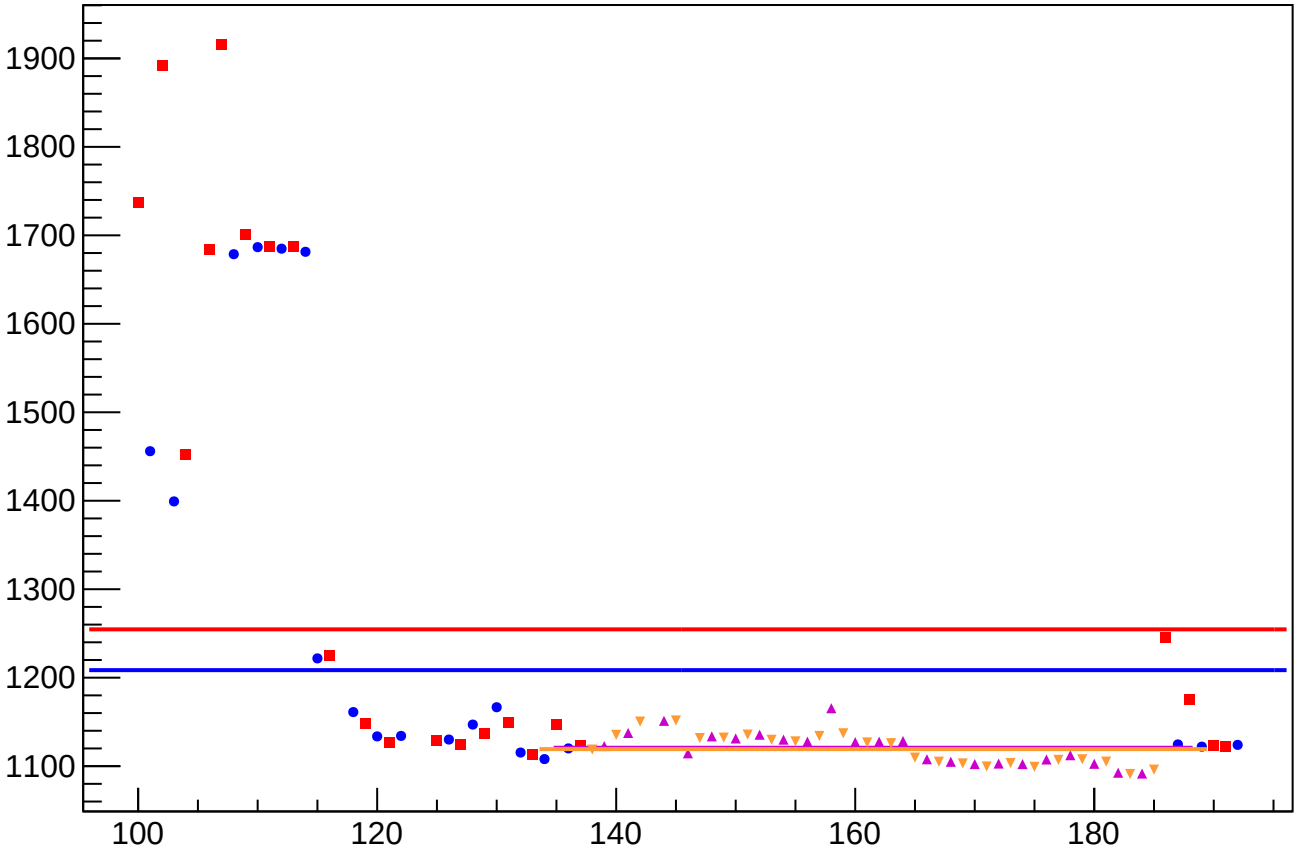
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 217.106+/-219.198 χ^2/NDF: 34.2/42

All: 39.898+/-155.963 χ^2/NDF: 85.0/87

- sign -141.797+/-221.956 χ^2/NDF: 49.4/44

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1208.519+/-0.289 χ^2/NDF: 340421.1/18

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

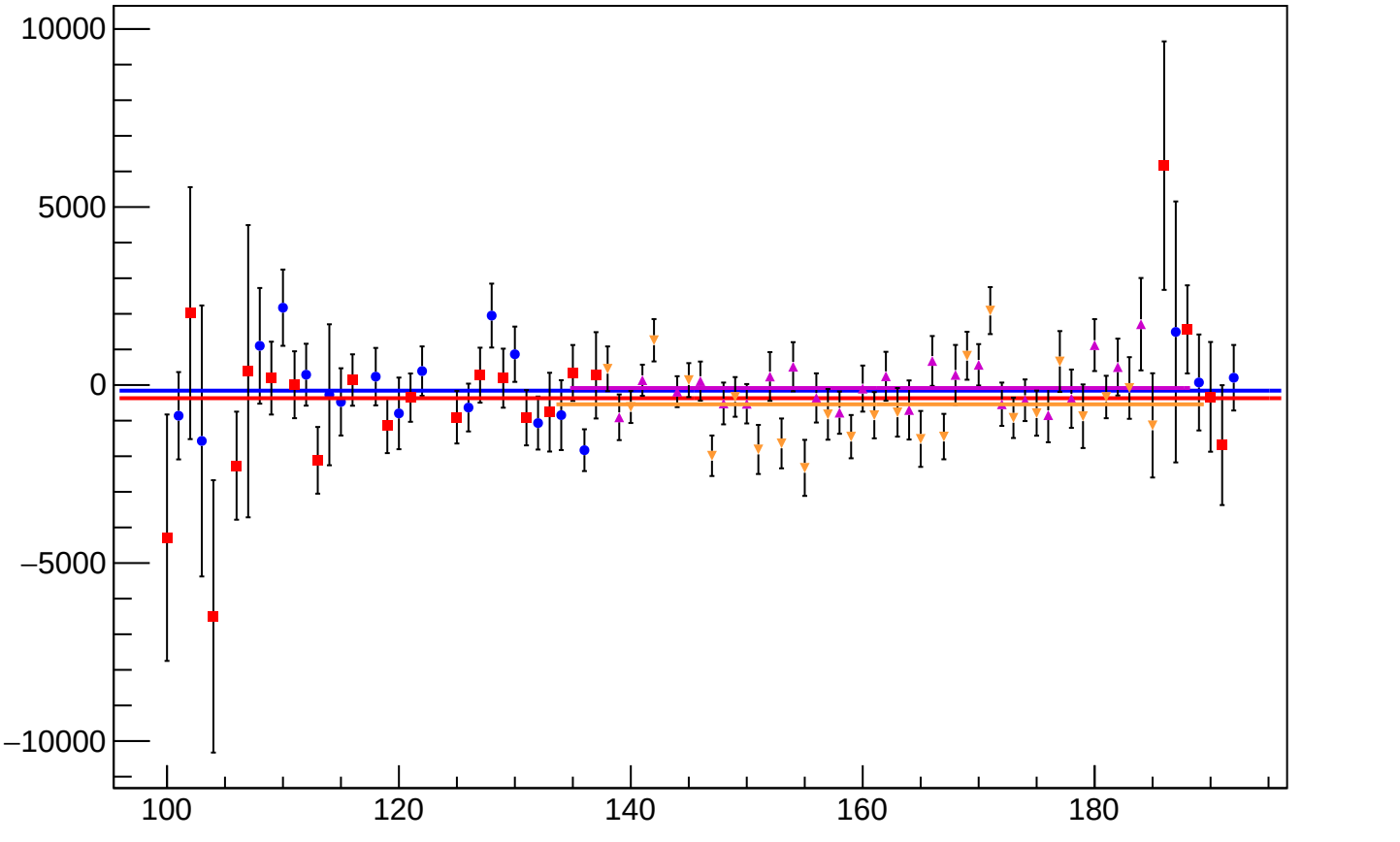
Right Out: 1254.620+/-0.296 χ^2/NDF: 574878.3/21

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1144.992+/-0.155 χ^2/NDF: 416612.5/42

All: 1151.598+/-0.110 χ^2/NDF: 1151405.1/87

- sign 1158.372+/-0.157 χ^2/NDF: 731113.0/44



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

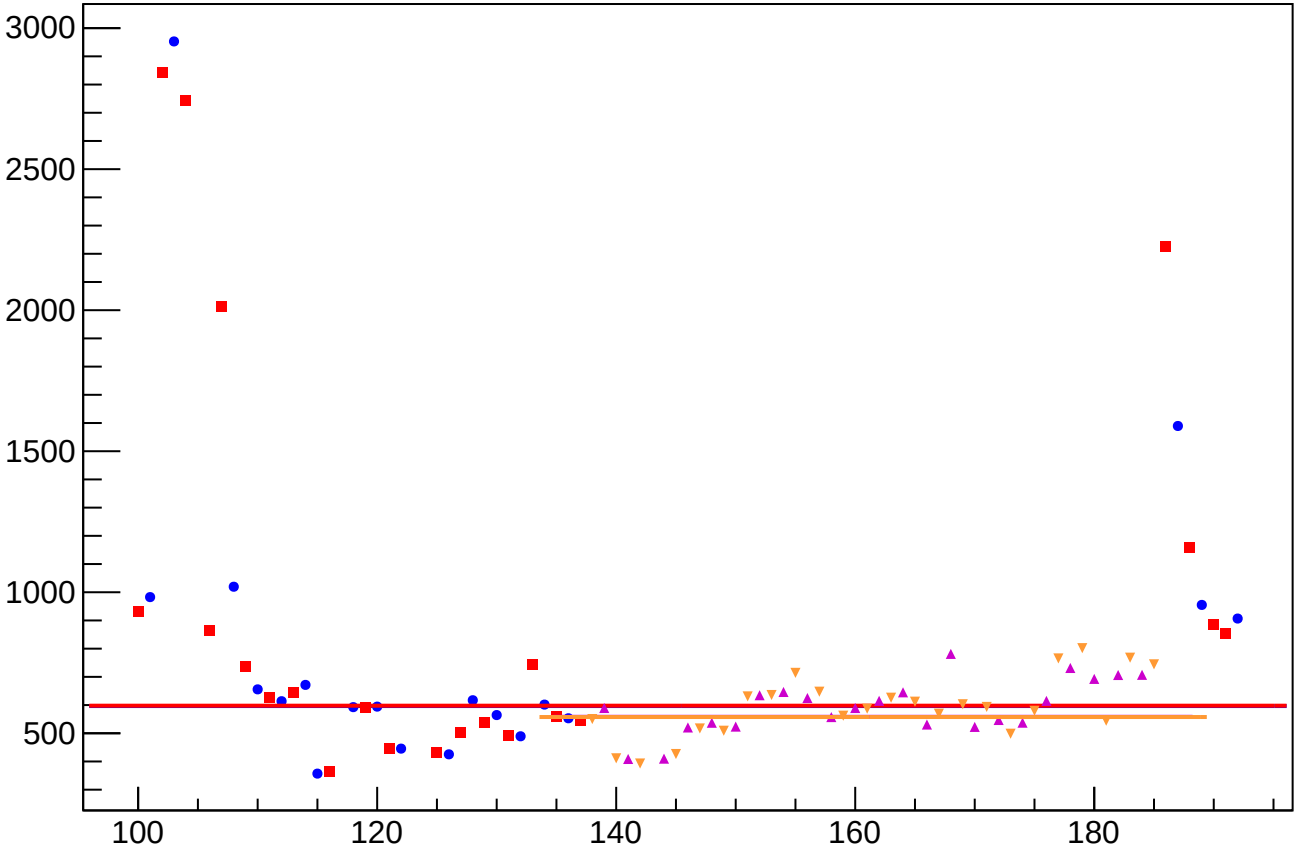
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -435.408+/-112.269 χ^2/NDF: 88.9/42

All: -299.554+/-79.748 χ^2/NDF: 130.8/87

- sign -161.197+/-113.298 χ^2/NDF: 39.0/44

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



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

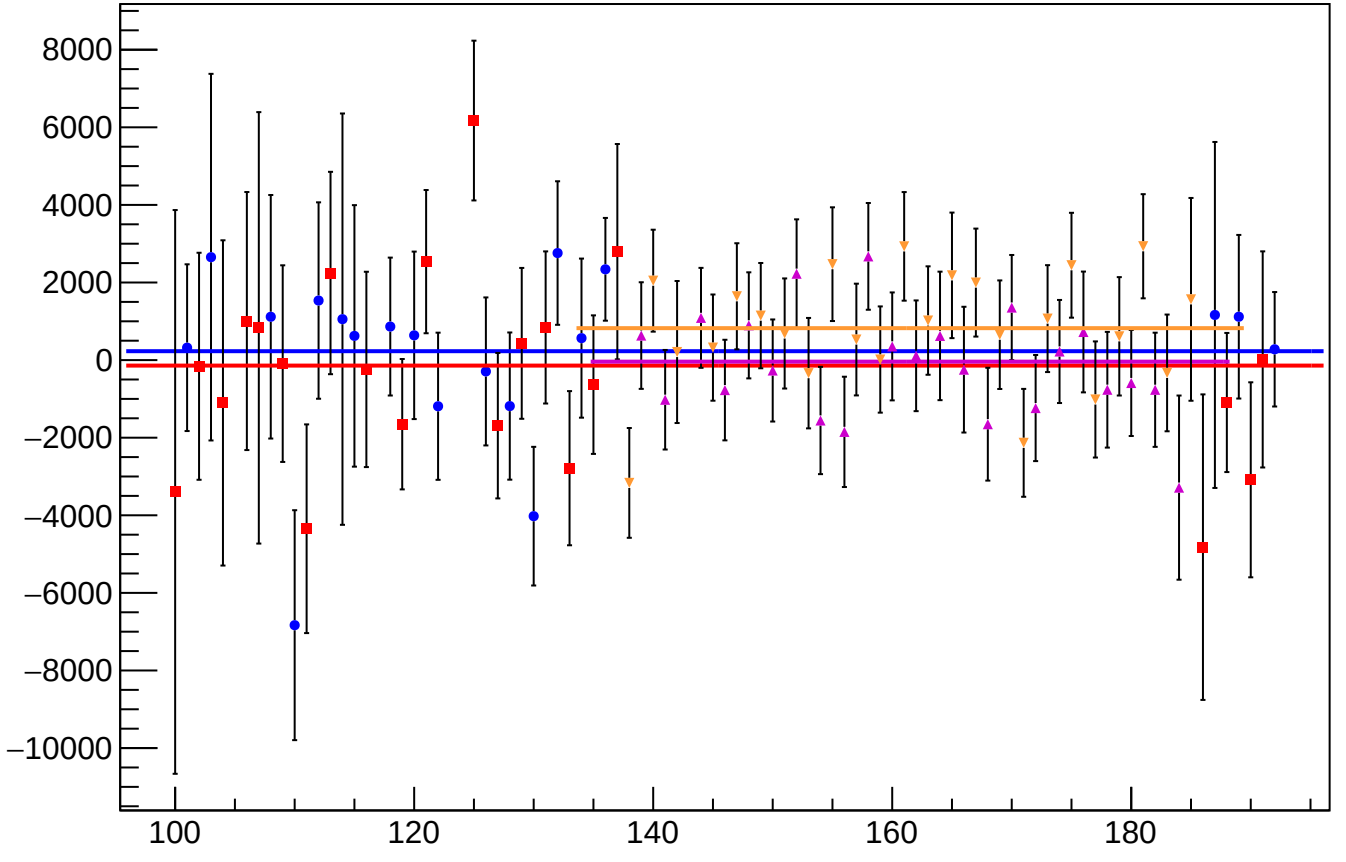
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 568.358+/-0.079 χ^2/NDF: 3277543.6/42

All: 568.677+/-0.056 χ^2/NDF: 7639833.8/87

- sign 569.003+/-0.080 χ^2/NDF: 4362257.5/44

asym_usl_atl1_dd_mean vs Slug



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

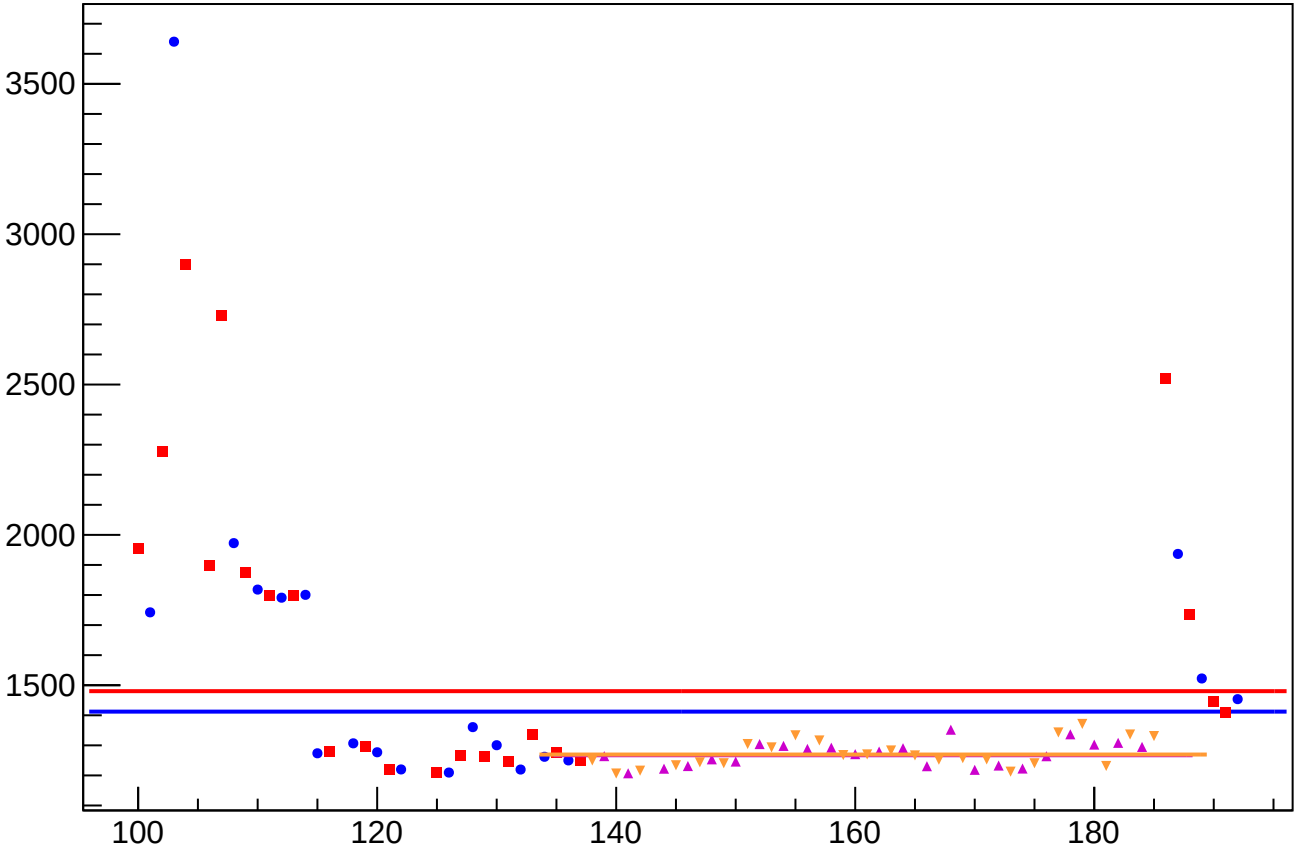
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 662.700+/-251.812 χ^2/NDF: 45.3/42

All: 302.946+/-179.172 χ^2/NDF: 90.4/87

- sign -65.951+/-254.992 χ^2/NDF: 41.0/44

asym_usl_atl1_dd_rms vs Slug



Right In: 1412.187+/-0.342 χ^2/NDF: 816758.8/18

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

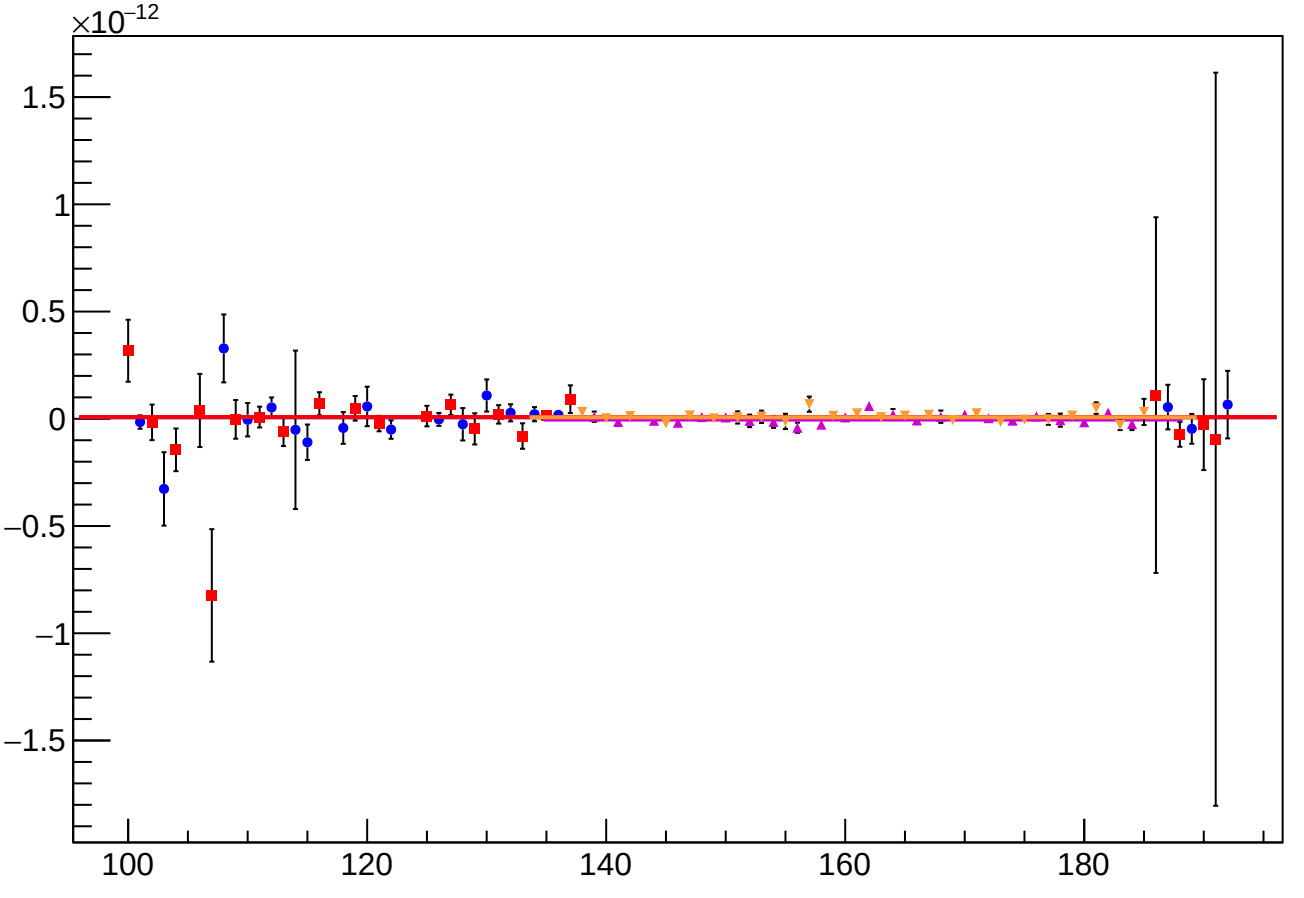
Right Out: 1480.234+/-0.355 χ^2/NDF: 1047493.1/21

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1308.061+/-0.178 χ^2/NDF: 986638.1/42

All: 1314.966+/-0.127 χ^2/NDF: 2339244.2/87

- sign 1322.046+/-0.180 χ^2/NDF: 1349560.4/44



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

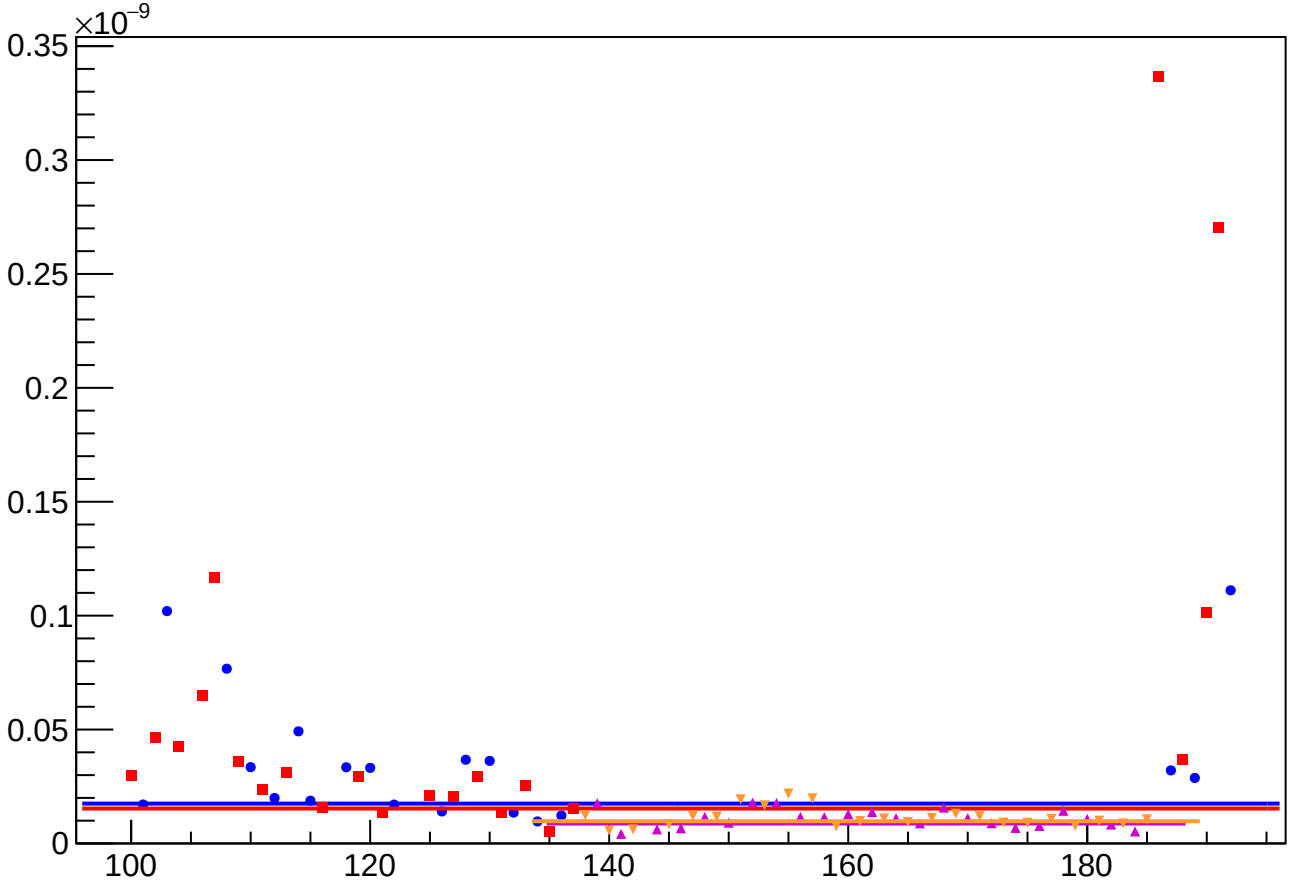
Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.6/42

All: 0.000+/-0.000 χ^2/NDF: 91.1/87

- sign -0.000+/-0.000 χ^2/NDF: 50.2/44

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



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

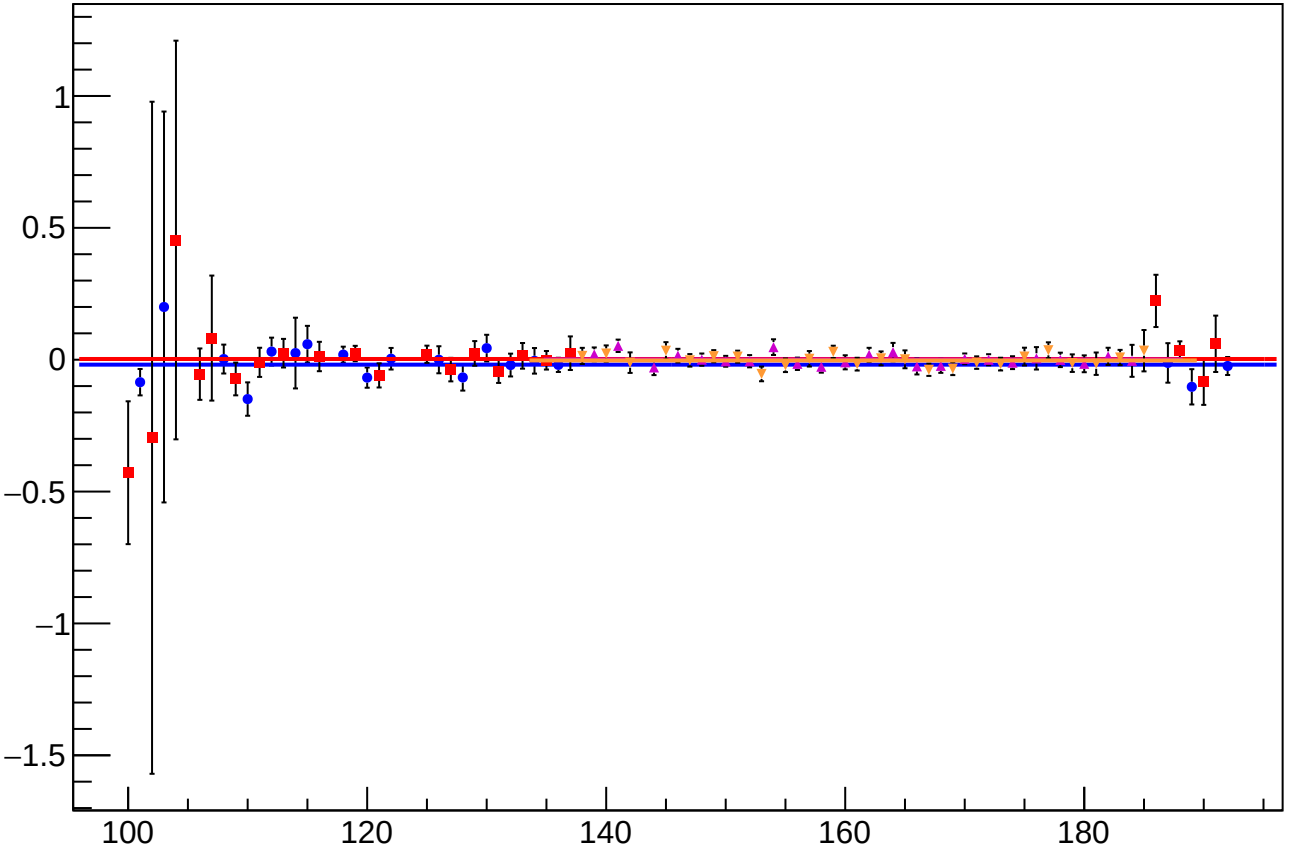
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4683304.4/42

All: 0.000+/-0.000 χ^2/NDF: 10655119.9/87

- sign 0.000+/-0.000 χ^2/NDF: 5859306.0/44

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



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

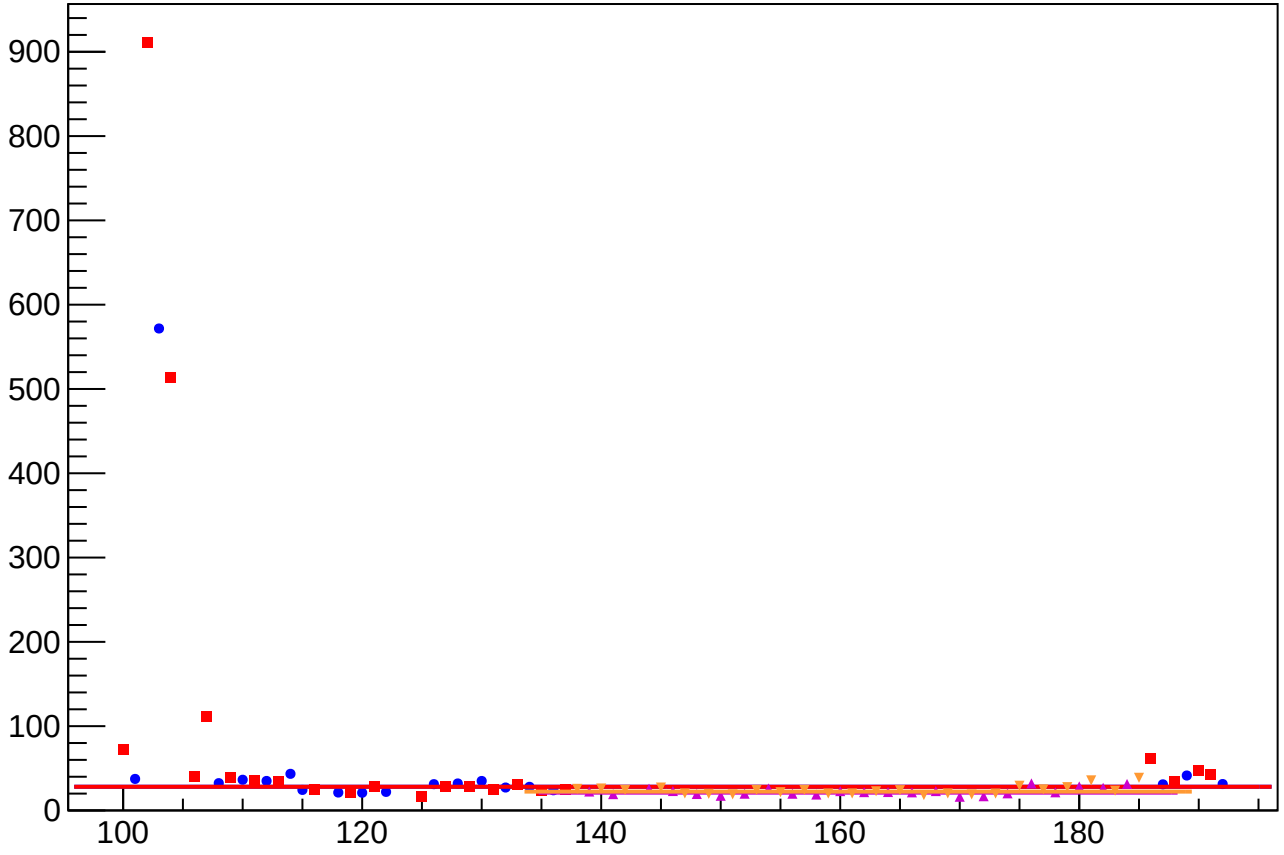
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 34.4/42

All: -0.002+/-0.004 χ^2/NDF: 67.4/87

- sign 0.001+/-0.005 χ^2/NDF: 31.9/44

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.138+/-0.008 χ^2/NDF: 1678505.2/18

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

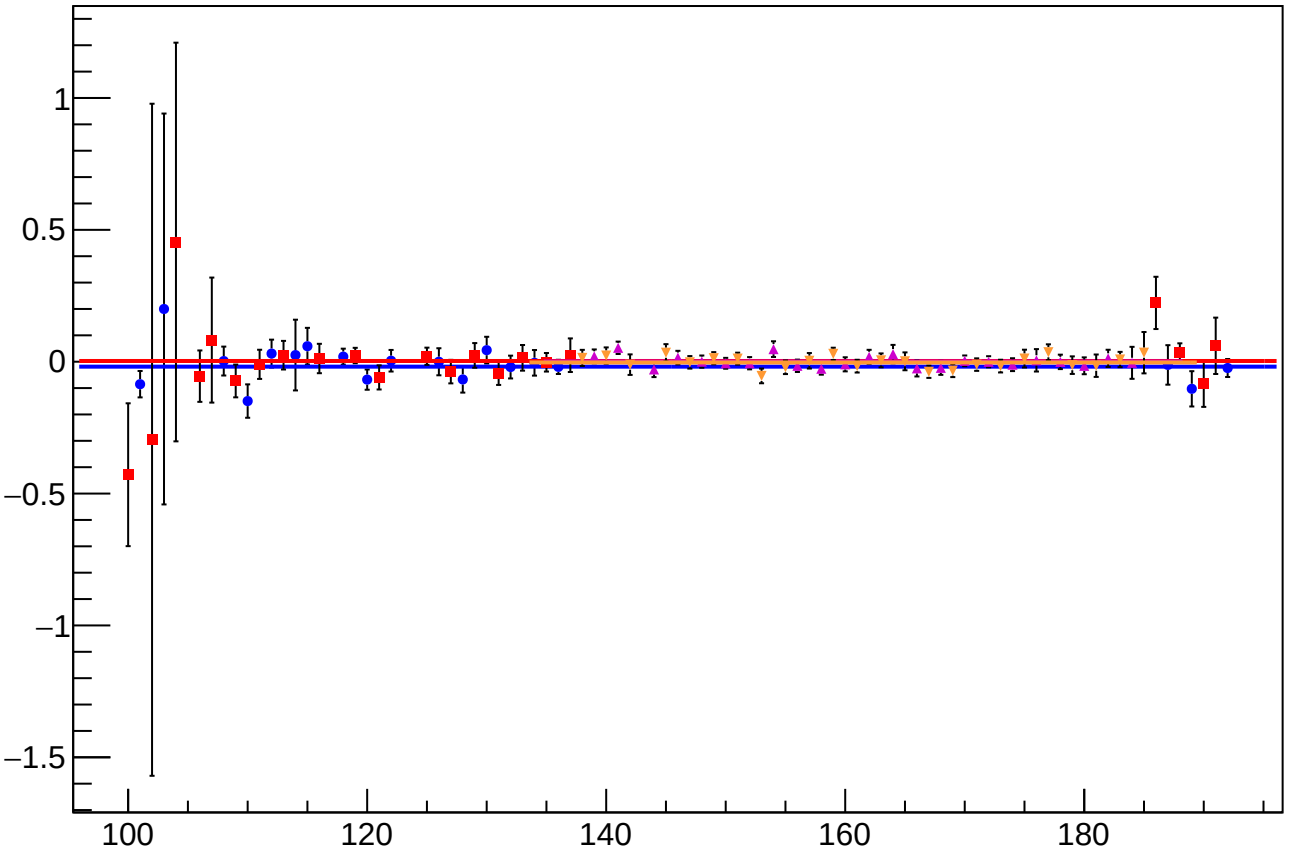
Right Out: 28.094+/-0.008 χ^2/NDF: 3075175.8/21

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.629+/-0.004 χ^2/NDF: 2950650.9/42

All: 23.025+/-0.002 χ^2/NDF: 7532623.1/87

- sign 22.446+/-0.003 χ^2/NDF: 4525217.2/44



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

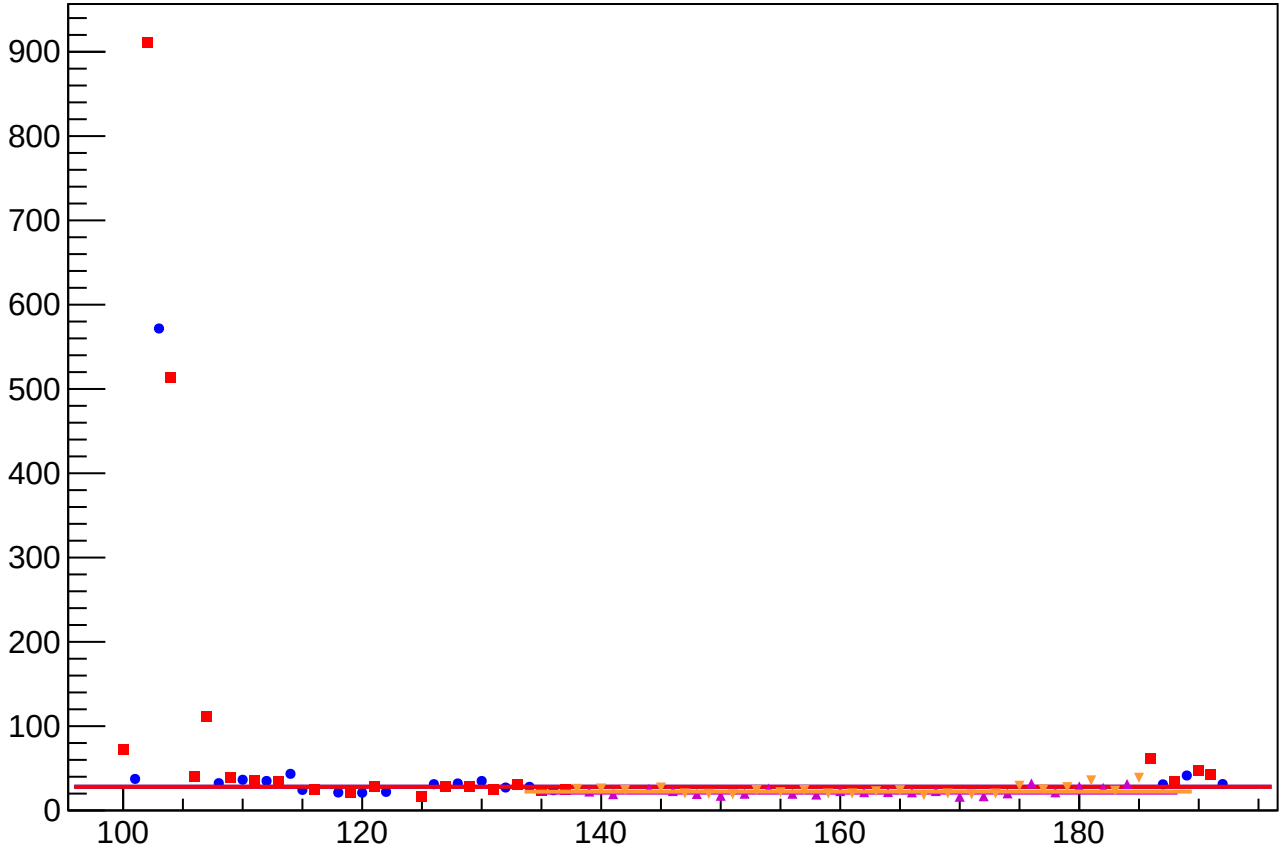
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 34.4/42

All: -0.002+/-0.004 χ^2/NDF: 67.4/87

- sign 0.001+/-0.005 χ^2/NDF: 31.9/44

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.138+/-0.008 χ^2/NDF: 1678505.2/18

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

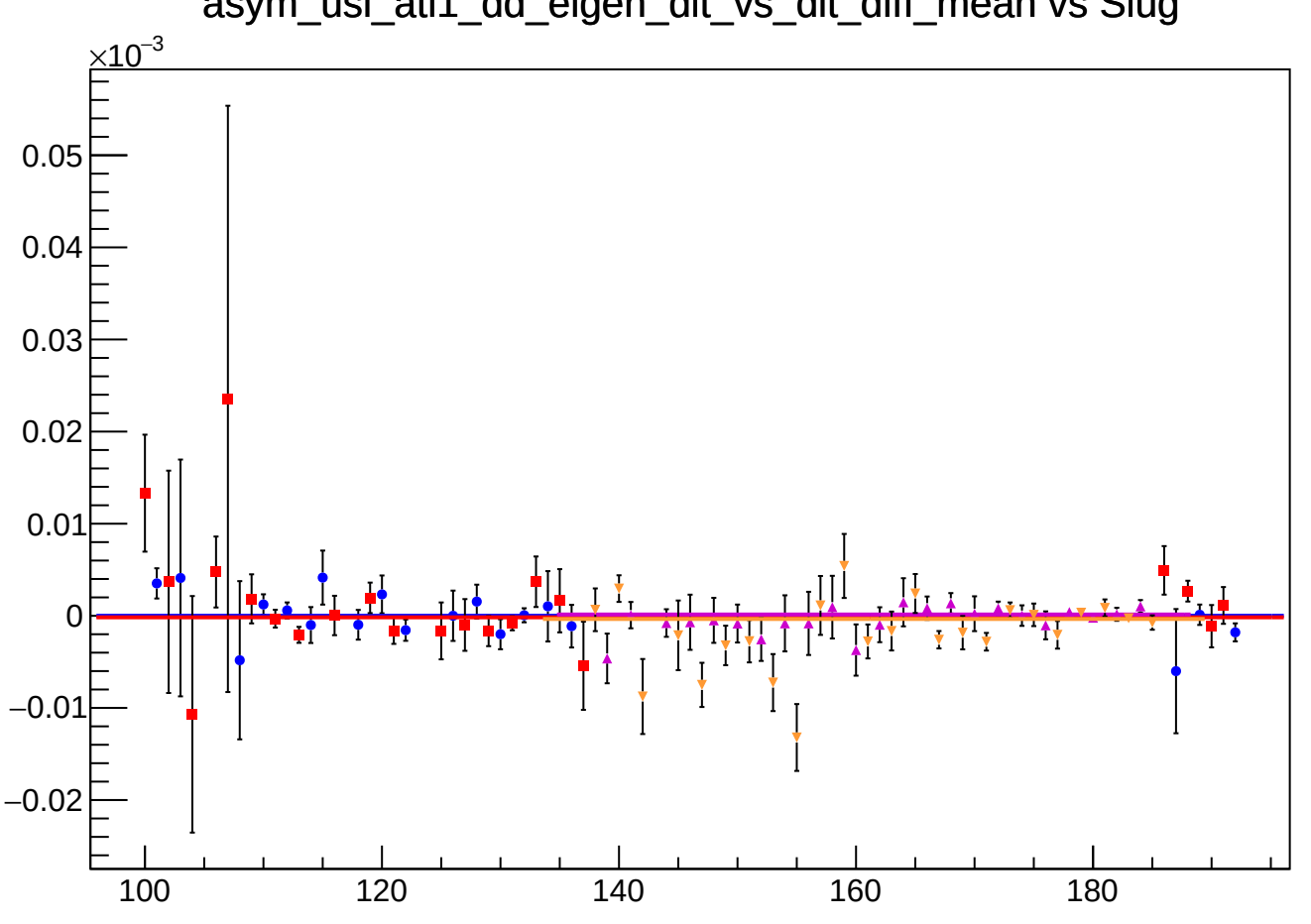
Right Out: 28.094+/-0.008 χ^2/NDF: 3075175.8/21

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

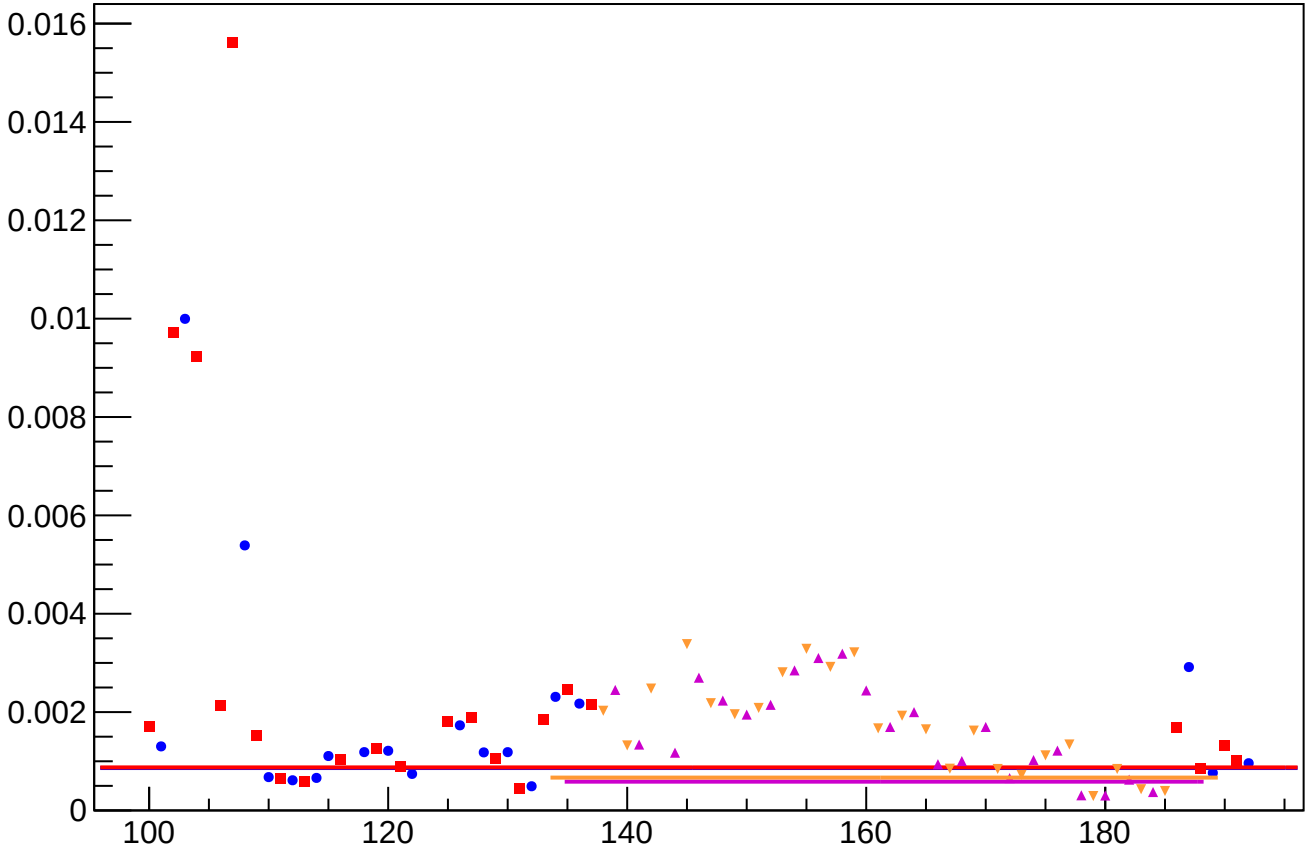
+ sign 23.629+/-0.004 χ^2/NDF: 2950650.9/42

All: 23.025+/-0.002 χ^2/NDF: 7532623.1/87

- sign 22.446+/-0.003 χ^2/NDF: 4525217.2/44


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.05
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: 19.2/18
Left Out: -0.000+/-0.000 χ²/NDF:68.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 31.5/21
Left In: 0.000+/-0.000 χ²/NDF:14.2/22
+ sign -0.000+/-0.000 χ²/NDF: 88.0/42
All: -0.000+/-0.000 χ²/NDF: 136.1/87
- sign 0.000+/-0.000 χ²/NDF: 46.3/44

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4086544.5/18

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

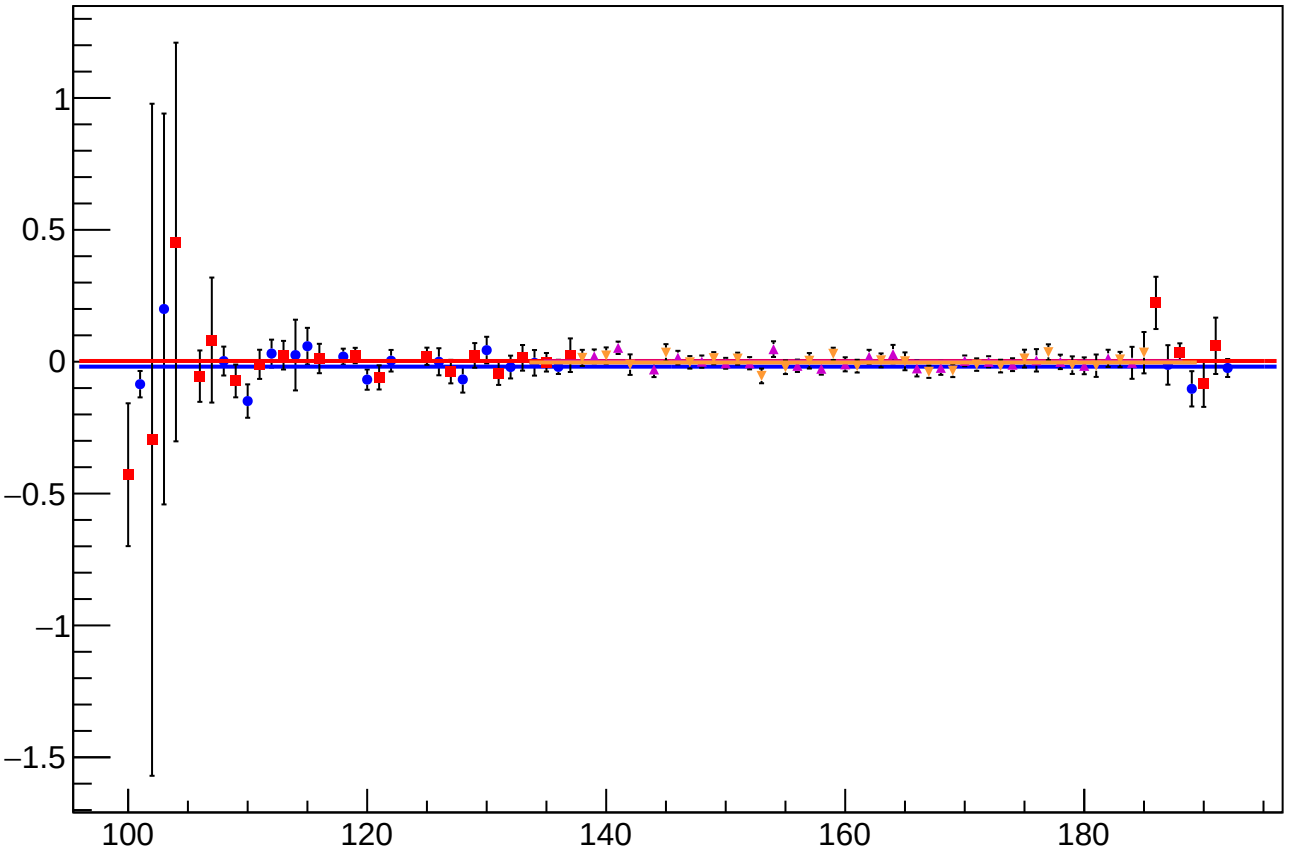
Right Out: 0.001+/-0.000 χ^2/NDF: 5329915.6/21

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 19953608.7/42

All: 0.001+/-0.000 χ^2/NDF: 42143746.4/87

- sign 0.001+/-0.000 χ^2/NDF: 21999973.6/44



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

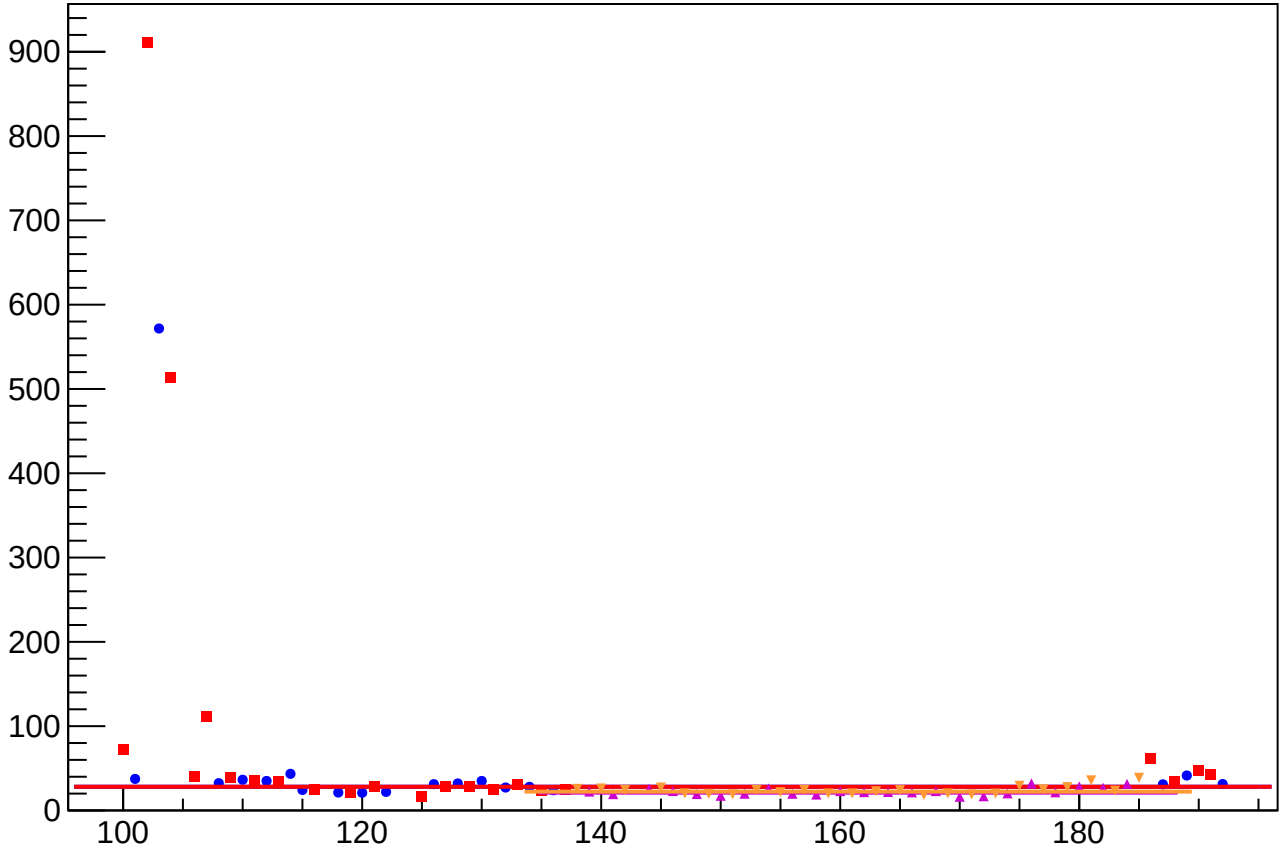
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 34.4/42

All: -0.002+/-0.004 χ^2/NDF: 67.4/87

- sign 0.001+/-0.005 χ^2/NDF: 31.9/44

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.138+/-0.008 χ^2/NDF: 1678500.5/18

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

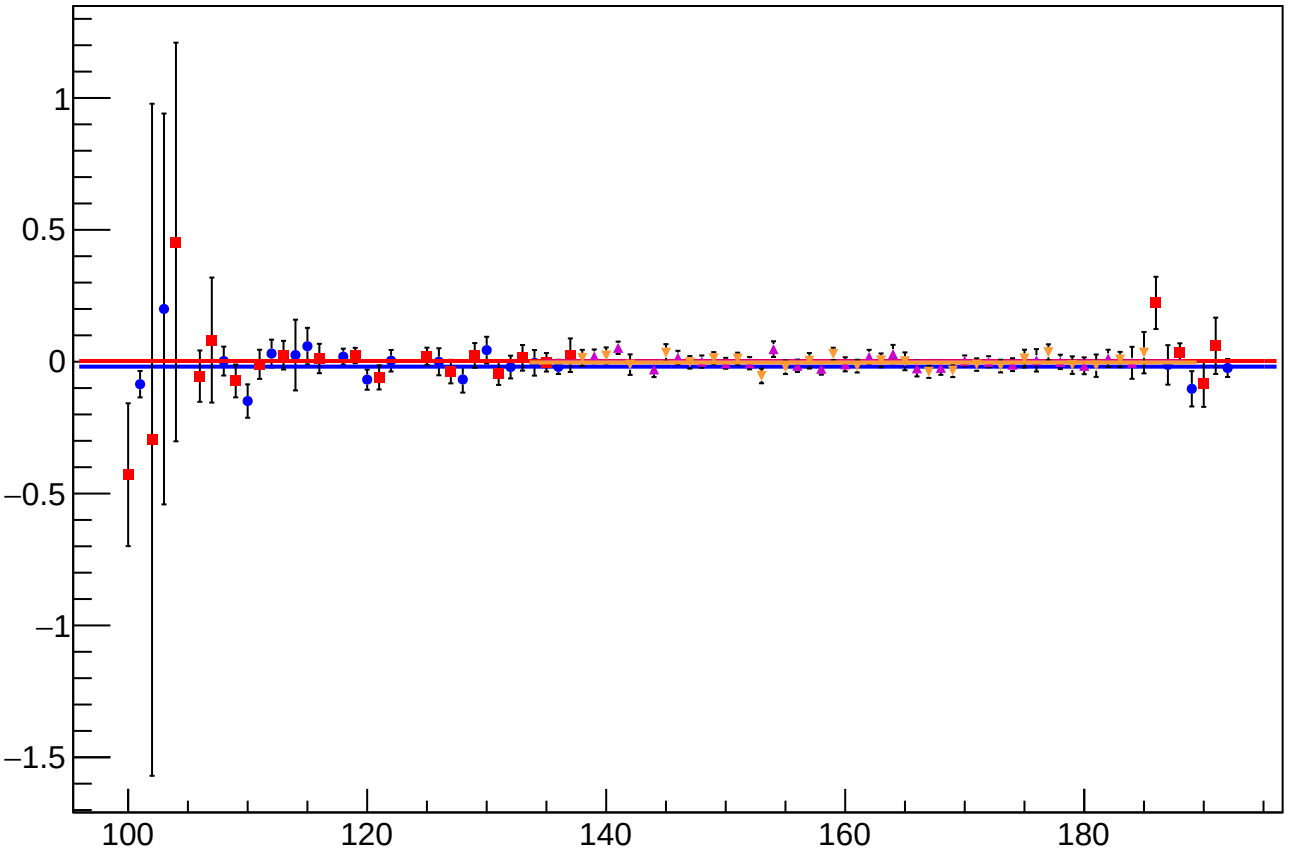
Right Out: 28.094+/-0.008 χ^2/NDF: 3075180.8/21

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.629+/-0.004 χ^2/NDF: 2950621.9/42

All: 23.025+/-0.002 χ^2/NDF: 7532604.8/87

- sign 22.446+/-0.003 χ^2/NDF: 4525229.2/44



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

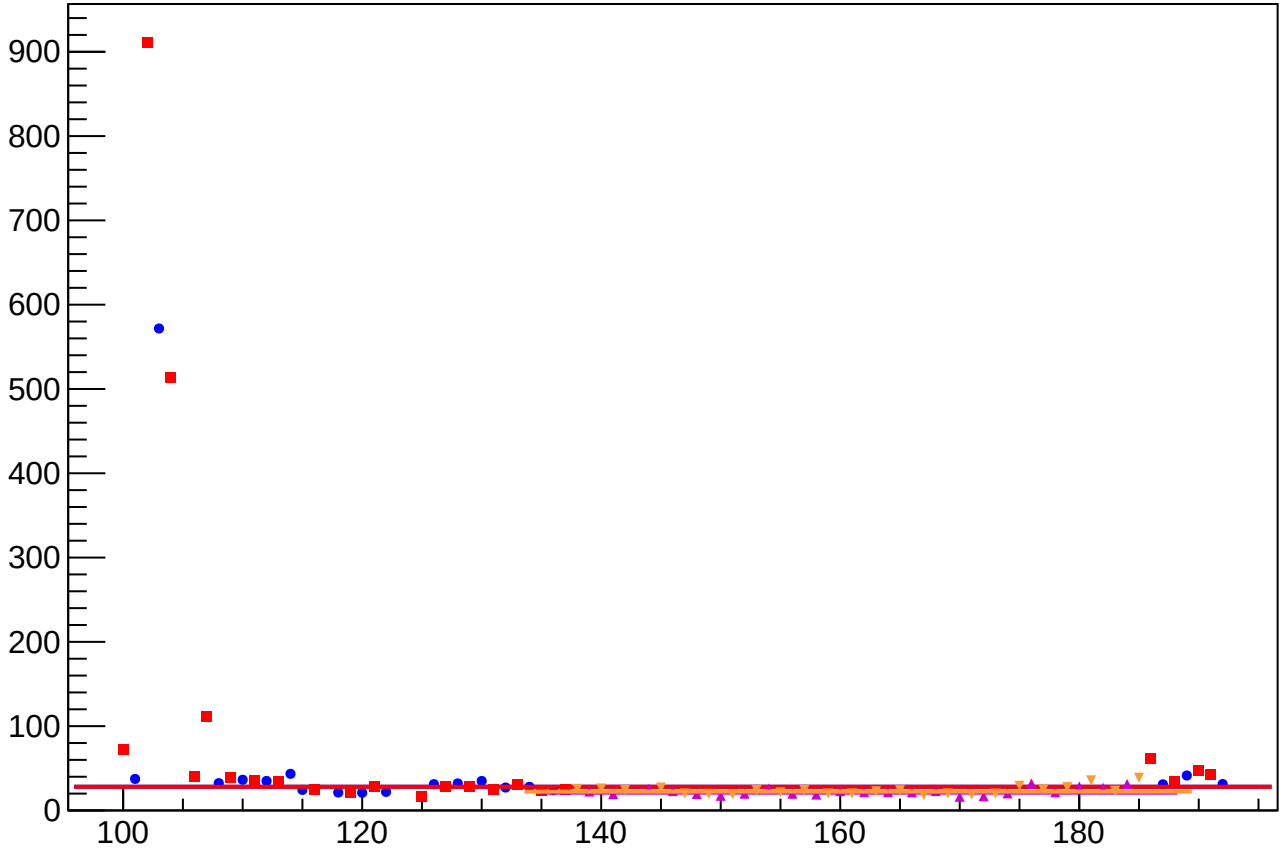
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 34.4/42

All: -0.002+/-0.004 χ^2/NDF: 67.4/87

- sign 0.001+/-0.005 χ^2/NDF: 31.9/44

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.138+/-0.008 χ^2/NDF: 1678500.5/18

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

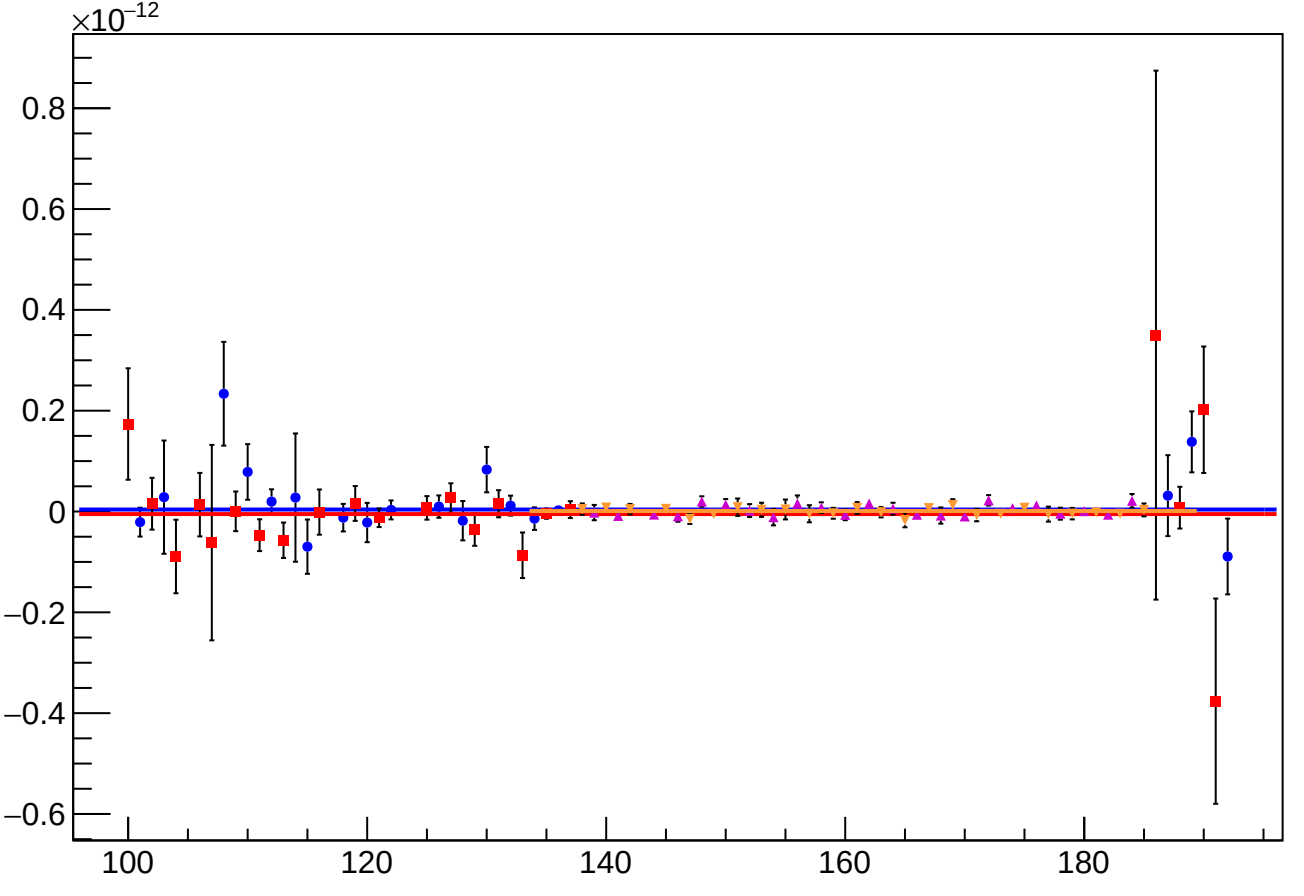
Right Out: 28.094+/-0.008 χ^2/NDF: 3075180.8/21

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.629+/-0.004 χ^2/NDF: 2950621.9/42

All: 23.025+/-0.002 χ^2/NDF: 7532604.8/87

- sign 22.446+/-0.003 χ^2/NDF: 4525229.2/44



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

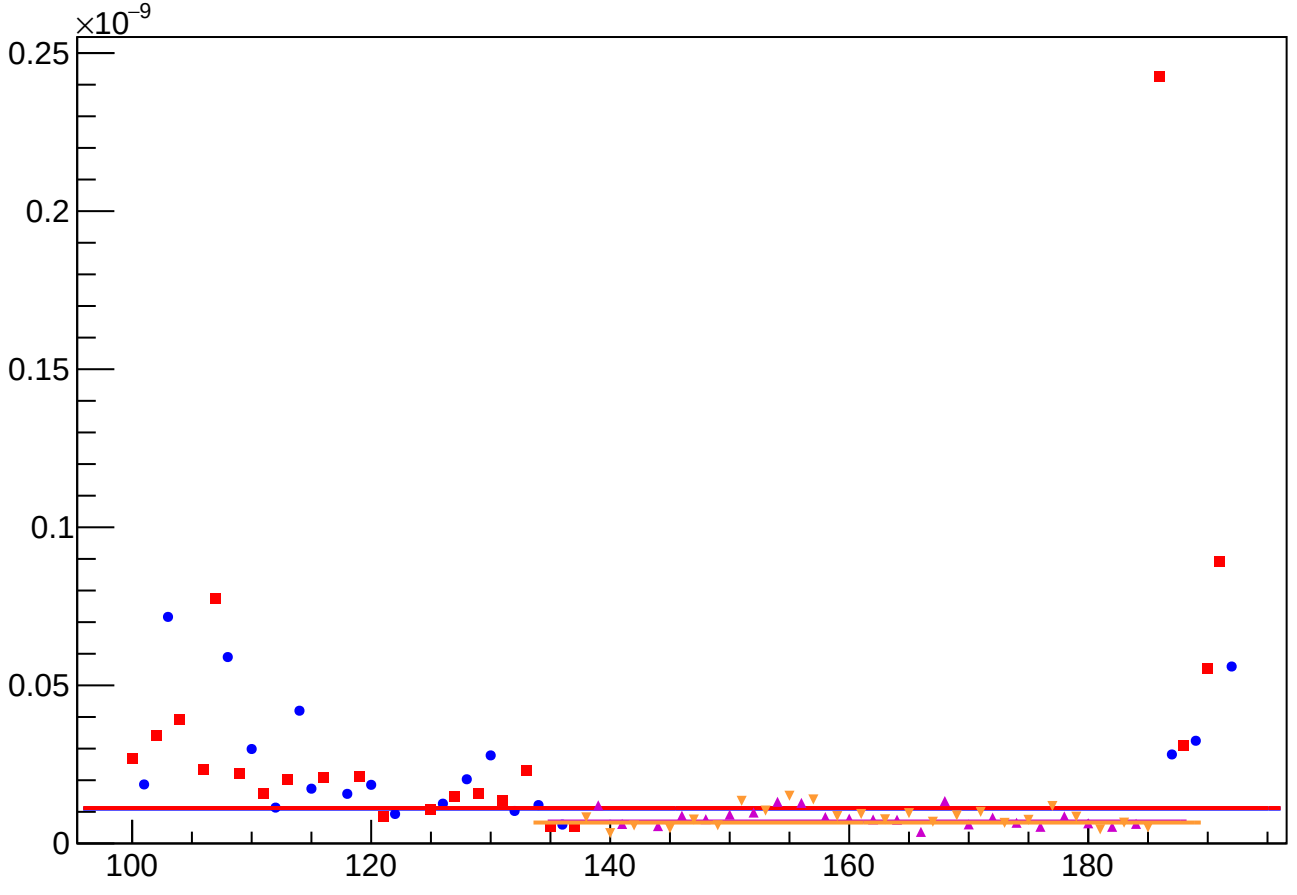
Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.5/42

All: 0.000+/-0.000 χ^2/NDF: 82.2/87

- sign 0.000+/-0.000 χ^2/NDF: 48.6/44

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

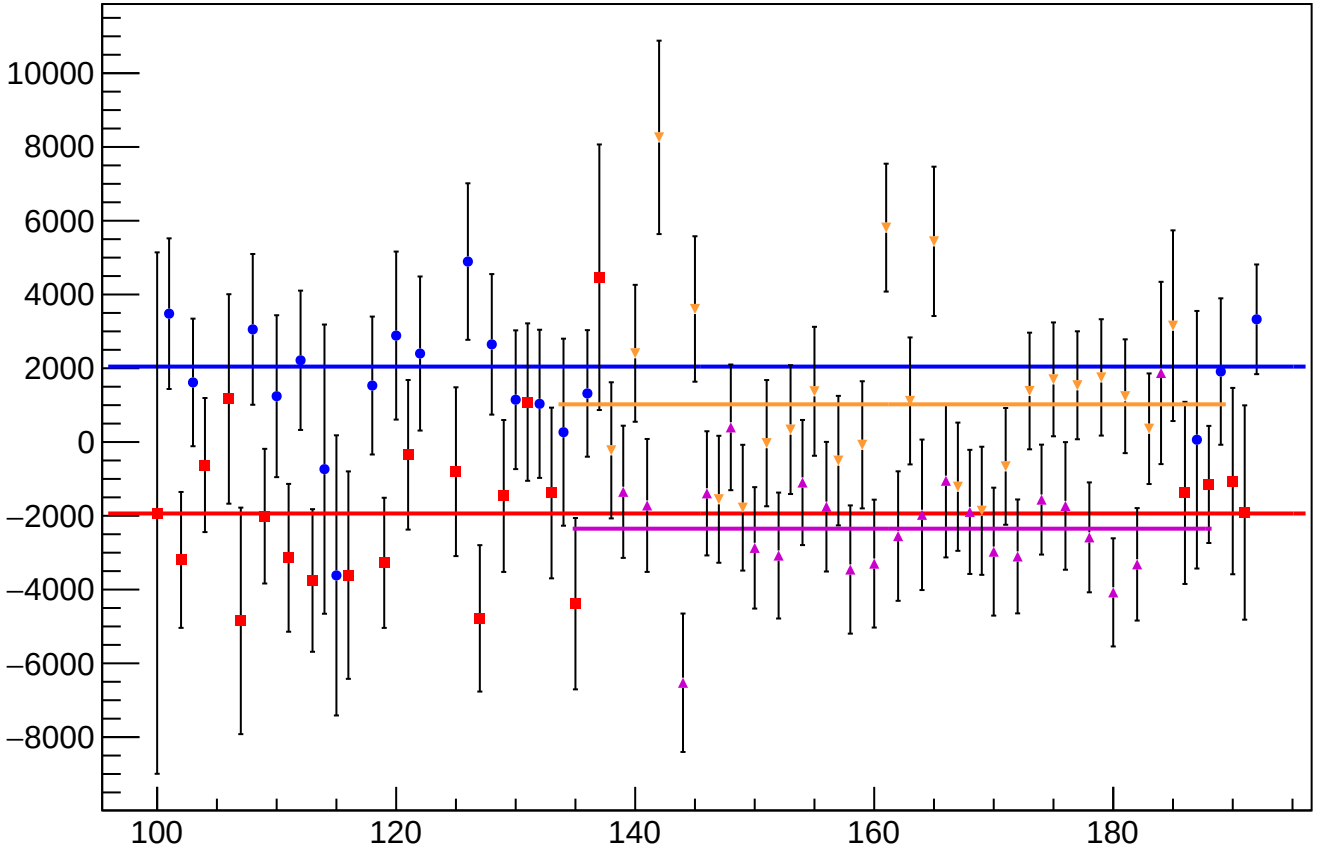
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8395269.5/42

All: 0.000+/-0.000 χ^2/NDF: 15820910.8/87

- sign 0.000+/-0.000 χ^2/NDF: 7402389.4/44

reg_asym_usl_atl2_avg_mean vs Slug



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

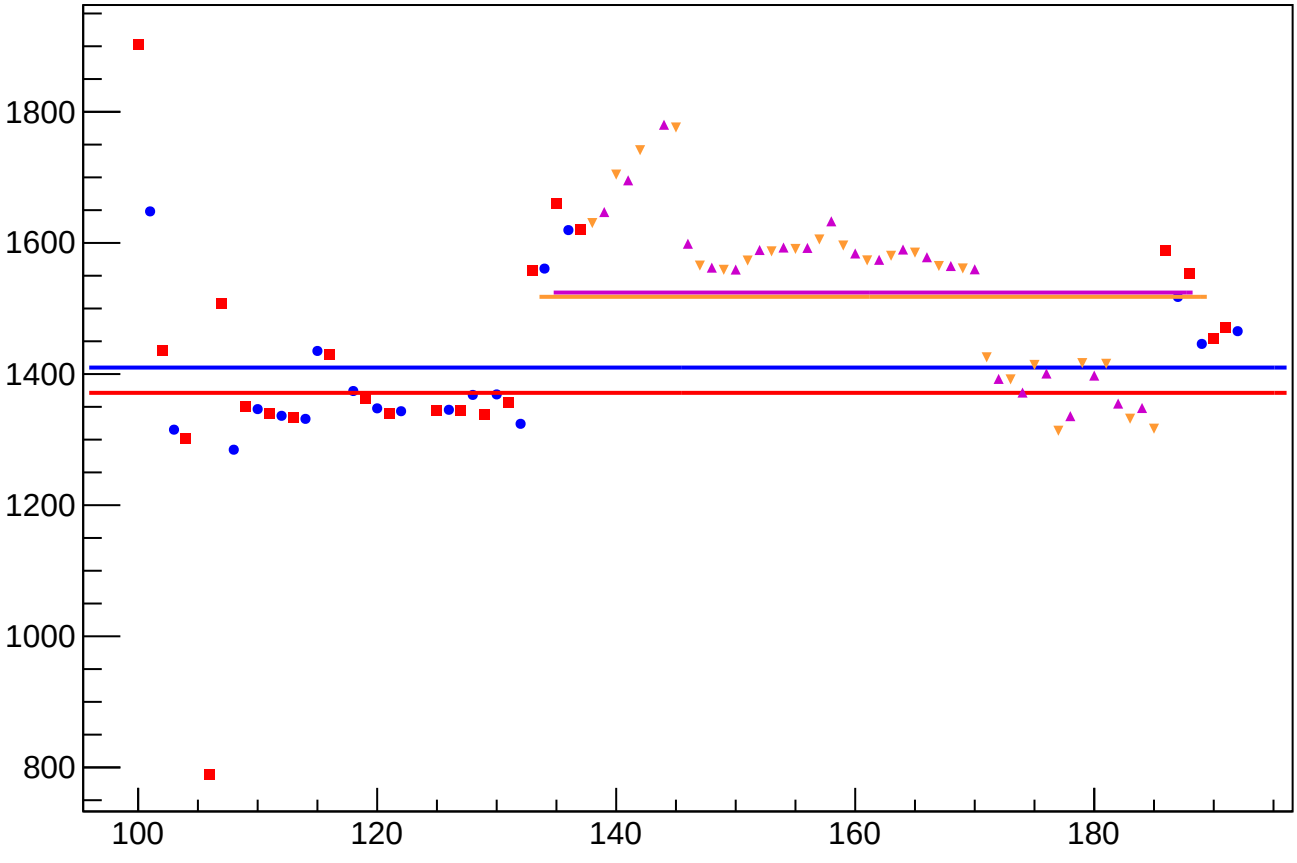
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1388.368+/-283.298 χ^2/NDF: 47.5/42

All: -399.323+/-200.630 χ^2/NDF: 158.8/87

- sign -2198.046+/-284.171 χ^2/NDF: 31.4/44

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1409.912+/-0.335 χ^2/NDF: 100287.6/18

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

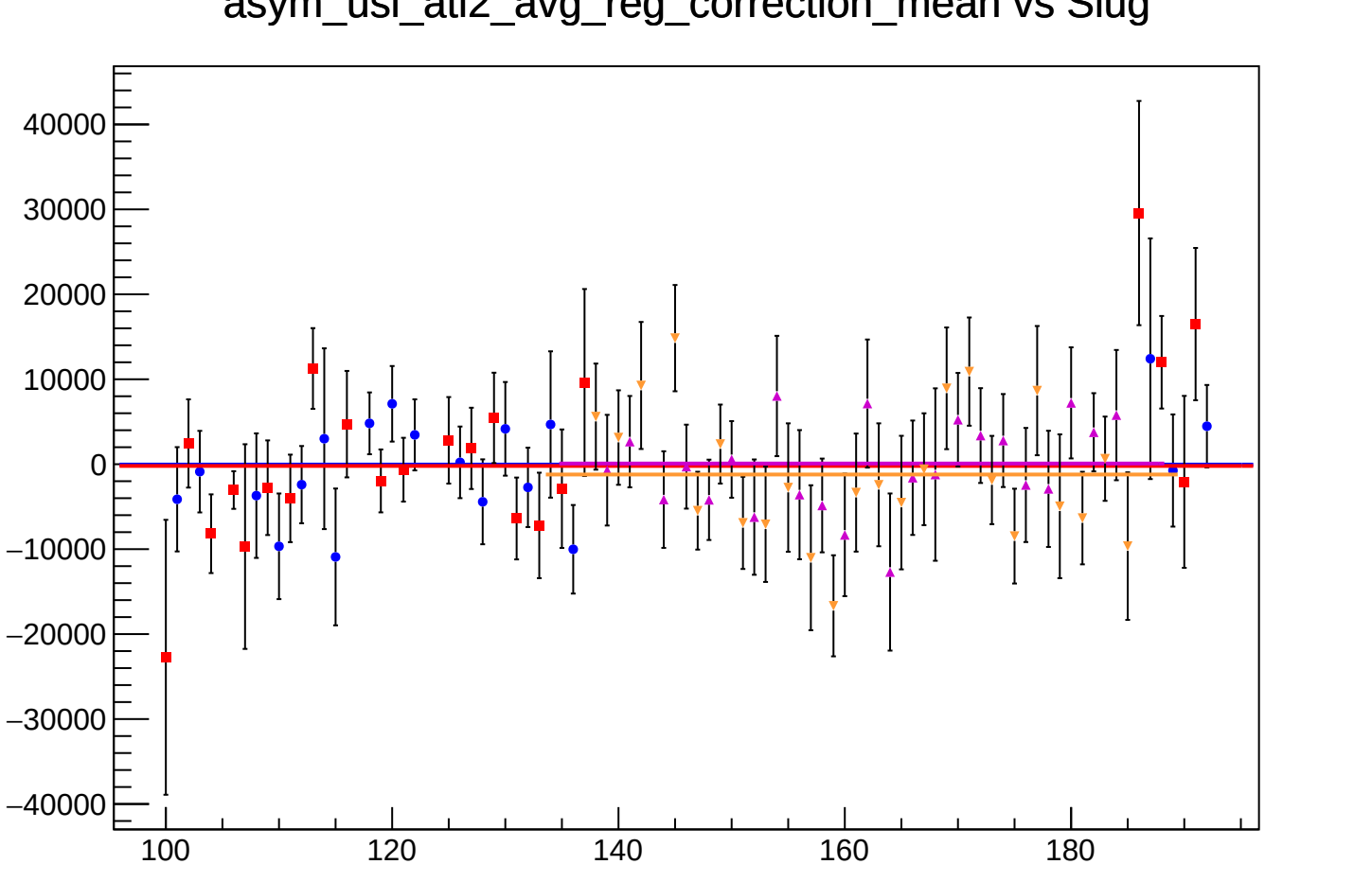
Right Out: 1371.343+/-0.323 χ^2/NDF: 372670.1/21

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1479.230+/-0.200 χ^2/NDF: 400897.3/42

All: 1472.754+/-0.141 χ^2/NDF: 1139019.5/87

- sign 1466.365+/-0.199 χ^2/NDF: 736046.2/44



Right In: -42.396+/-1225.576 χ^2/NDF: 17.6/18

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -203.647+/-1078.956 χ^2/NDF: 34.0/21

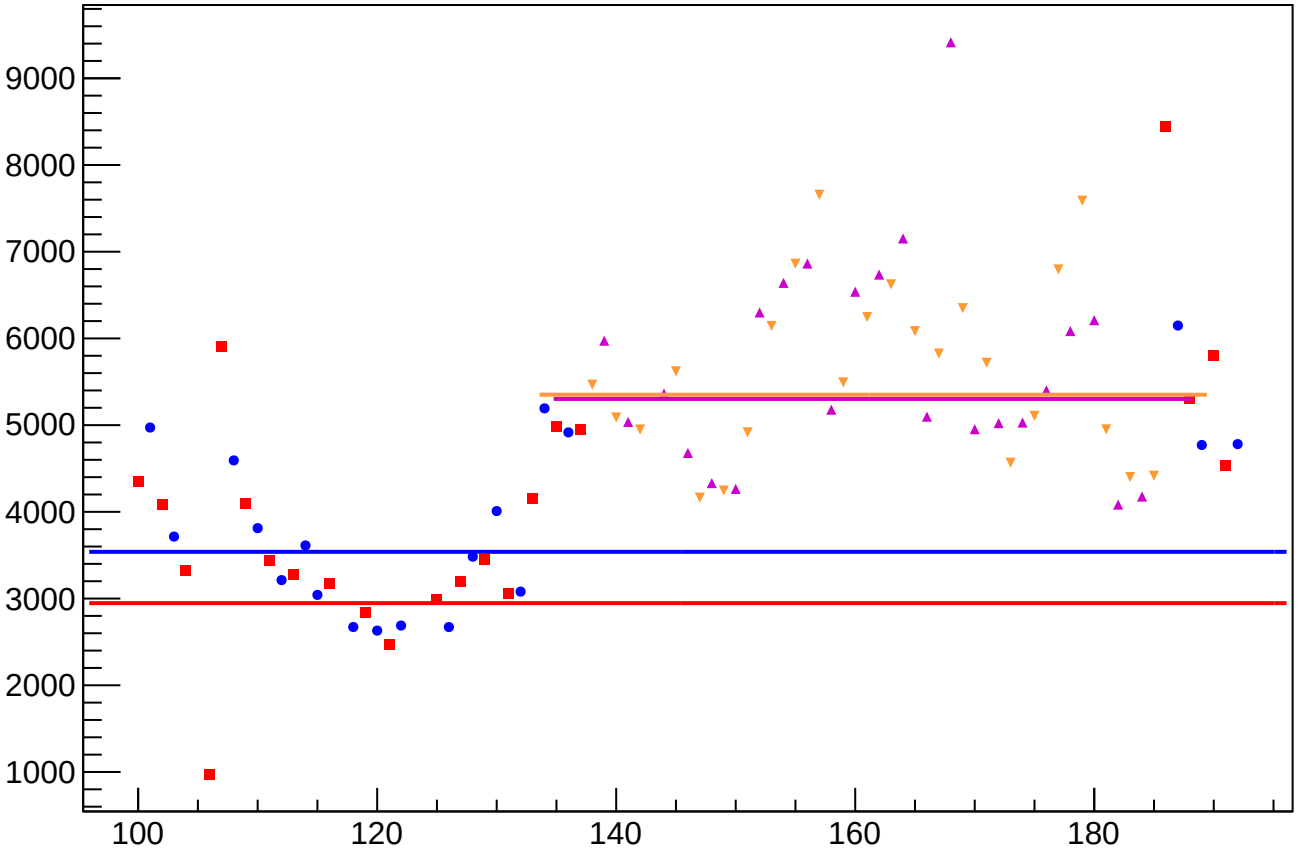
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -607.108+/-881.335 χ^2/NDF: 51.3/42

All: -326.840+/-600.626 χ^2/NDF: 98.8/87

- sign -83.794+/-820.727 χ^2/NDF: 47.2/44

asym_usl_atl2_avg_reg_correction_rms vs Slug



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

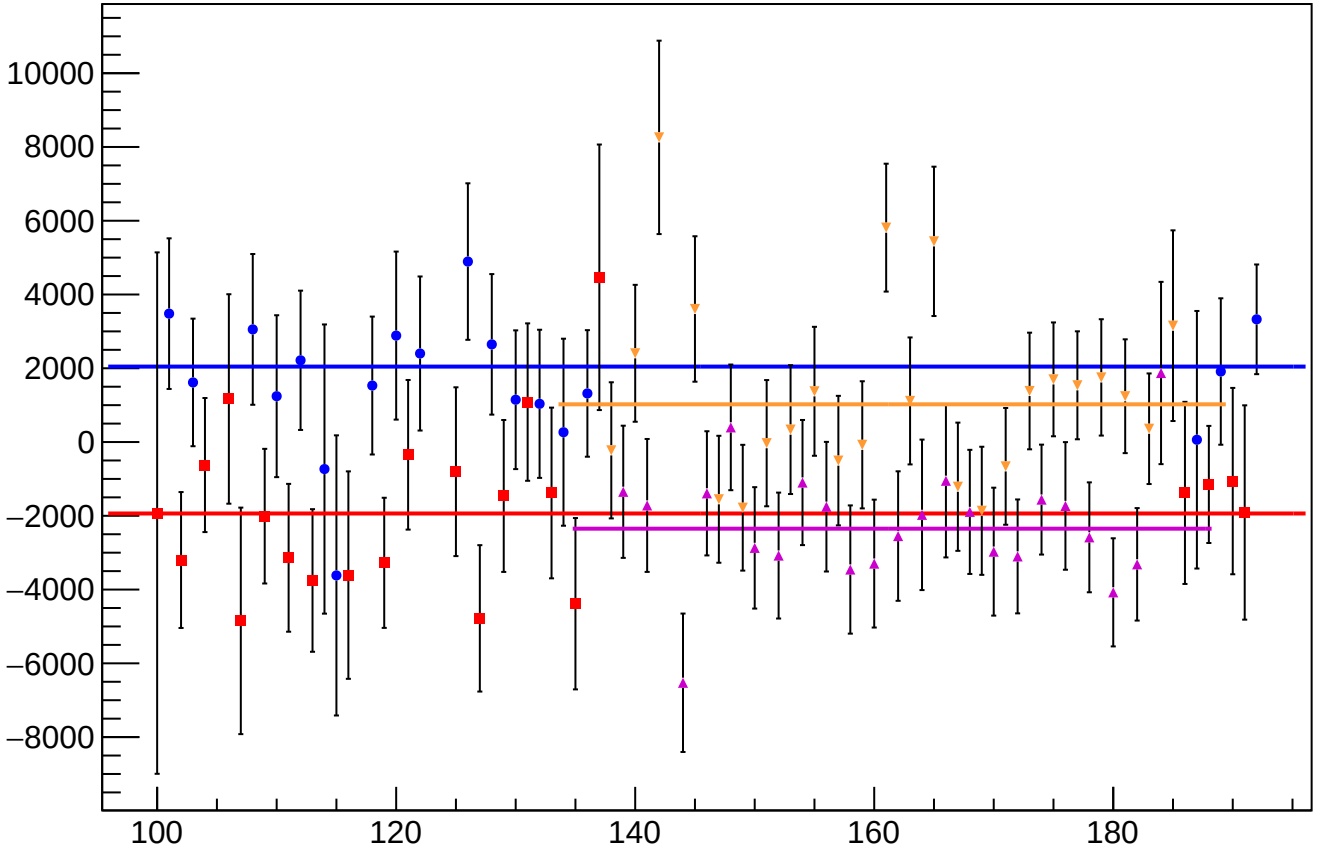
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4413.947+/-0.623 χ^2/NDF: 4232843.8/42

All: 4159.930+/-0.425 χ^2/NDF: 13085487.0/8

- sign 3939.649+/-0.580 χ^2/NDF: 8542428.9/44

cor_asym_usl_atl2_avg_mean vs Slug



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

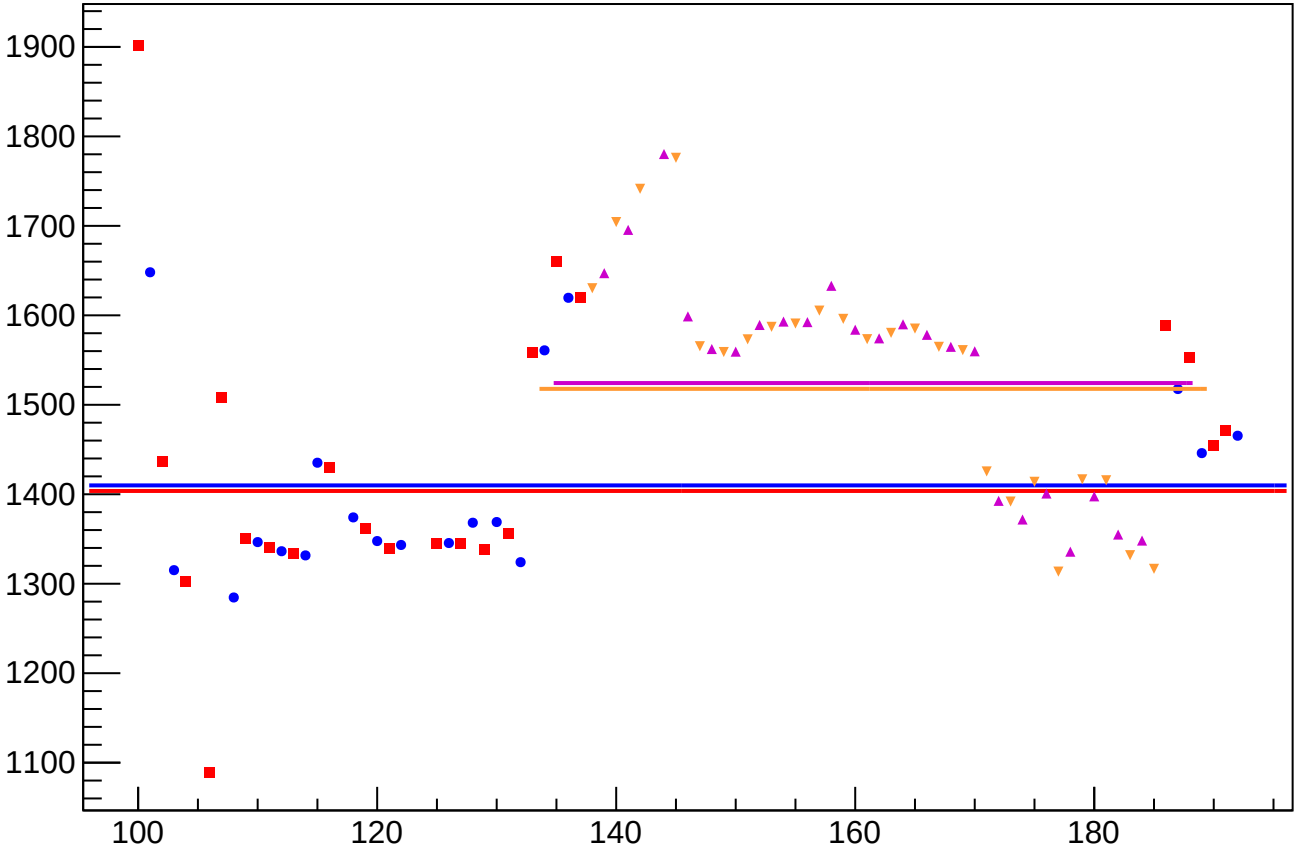
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1388.411+/-283.298 χ^2/NDF: 47.5/42

All: -399.327+/-200.630 χ^2/NDF: 158.8/87

- sign -2198.104+/-284.171 χ^2/NDF: 31.4/44

cor_asym_usl_atl2_avg_rms vs Slug



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

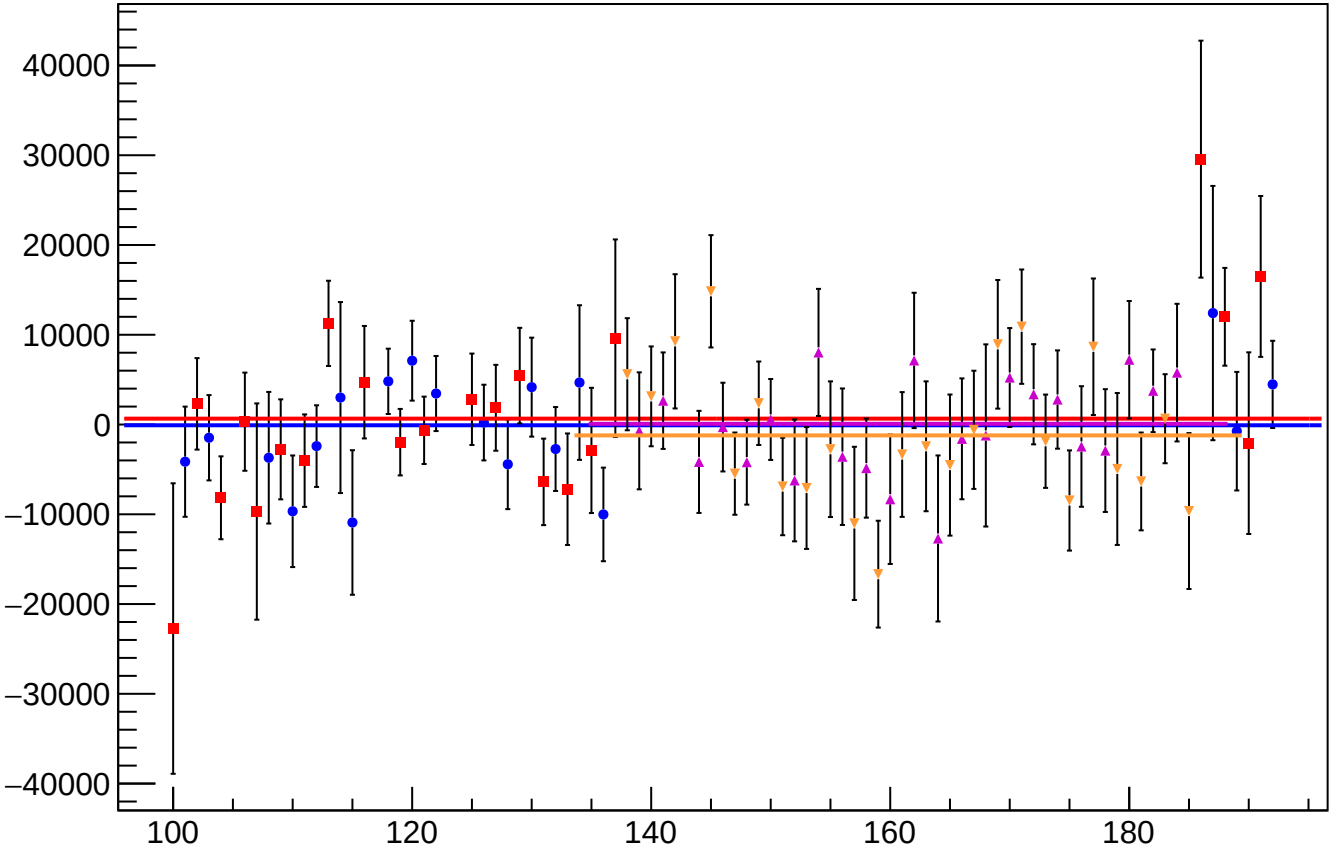
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1479.230+/-0.200 χ^2/NDF: 400897.4/42

All: 1479.353+/-0.142 χ^2/NDF: 860578.6/87

- sign 1479.476+/-0.200 χ^2/NDF: 459680.5/44

asym_usl_atl2_avg_cor_correction_mean vs Slug



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

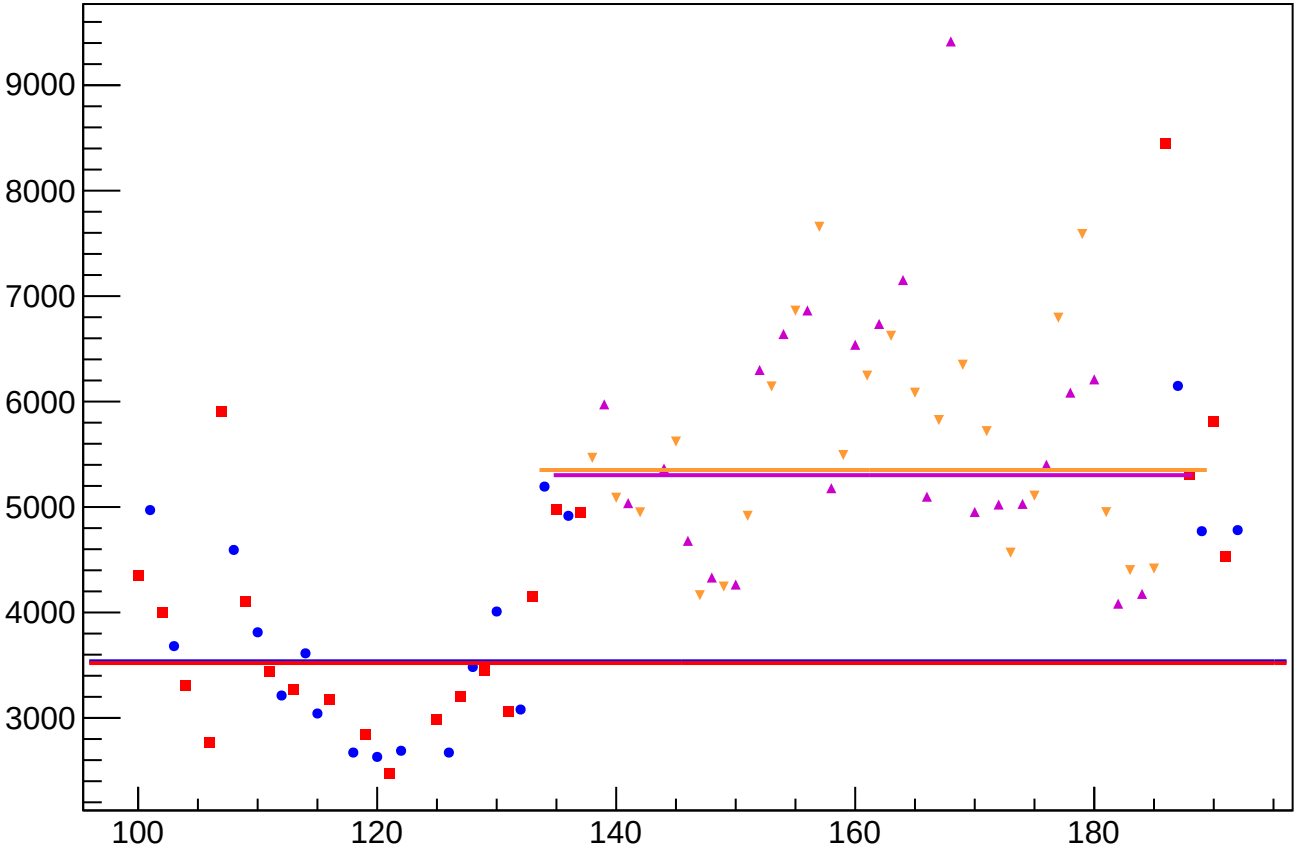
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

\+ sign -628.009+/-881.025 χ^2/NDF: 51.4/42

All: -117.690+/-619.684 χ^2/NDF: 97.2/87

\- sign 381.972+/-871.778 χ^2/NDF: 45.2/44

asym_usl_atl2_avg_cor_correction_rms vs Slug



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

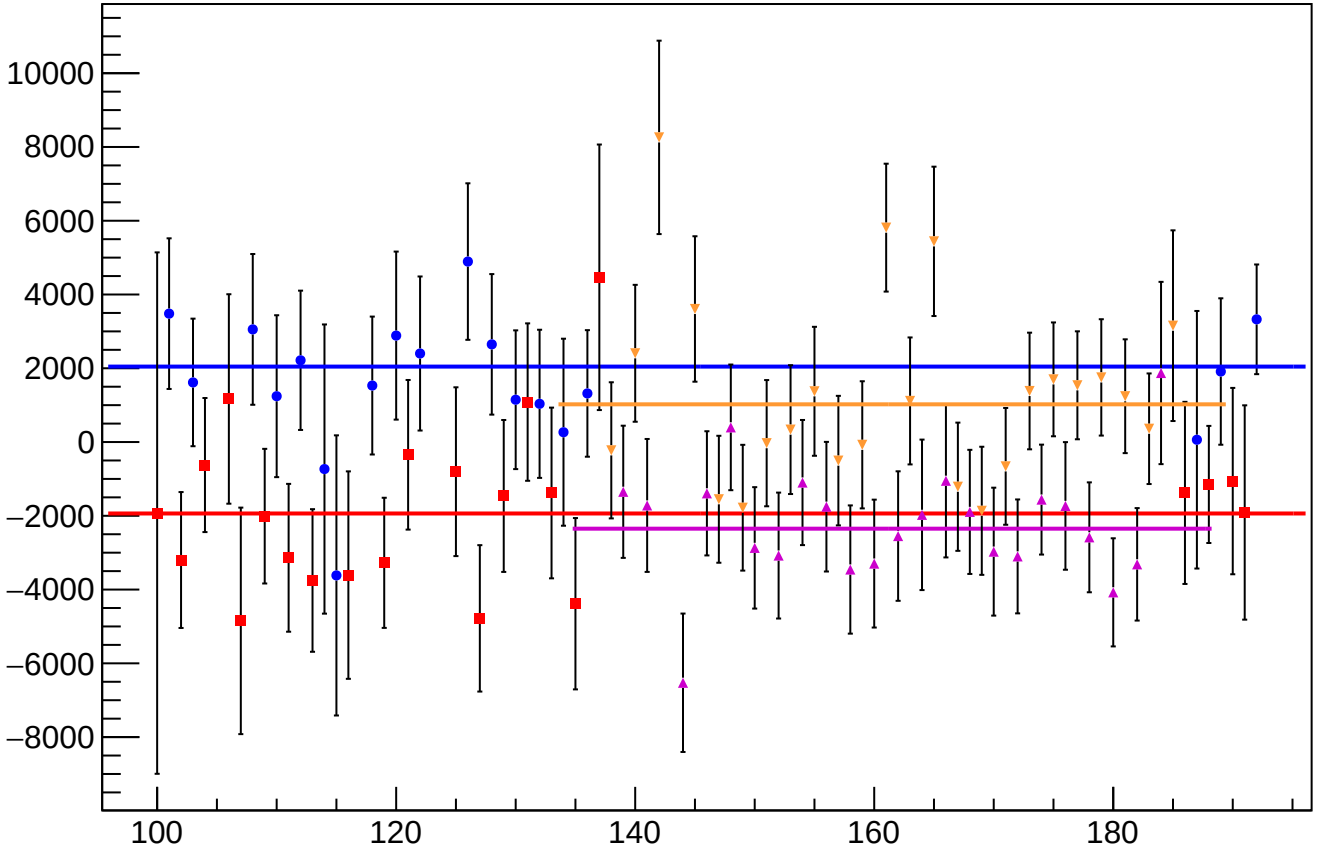
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4412.293+/-0.623 χ^2/NDF: 4237918.0/42

All: 4389.738+/-0.438 χ^2/NDF: 8792788.2/87

- sign 4367.655+/-0.616 χ^2/NDF: 4552276.0/44

eigen_cor_asym_usl_atl2_avg_mean vs Slug



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

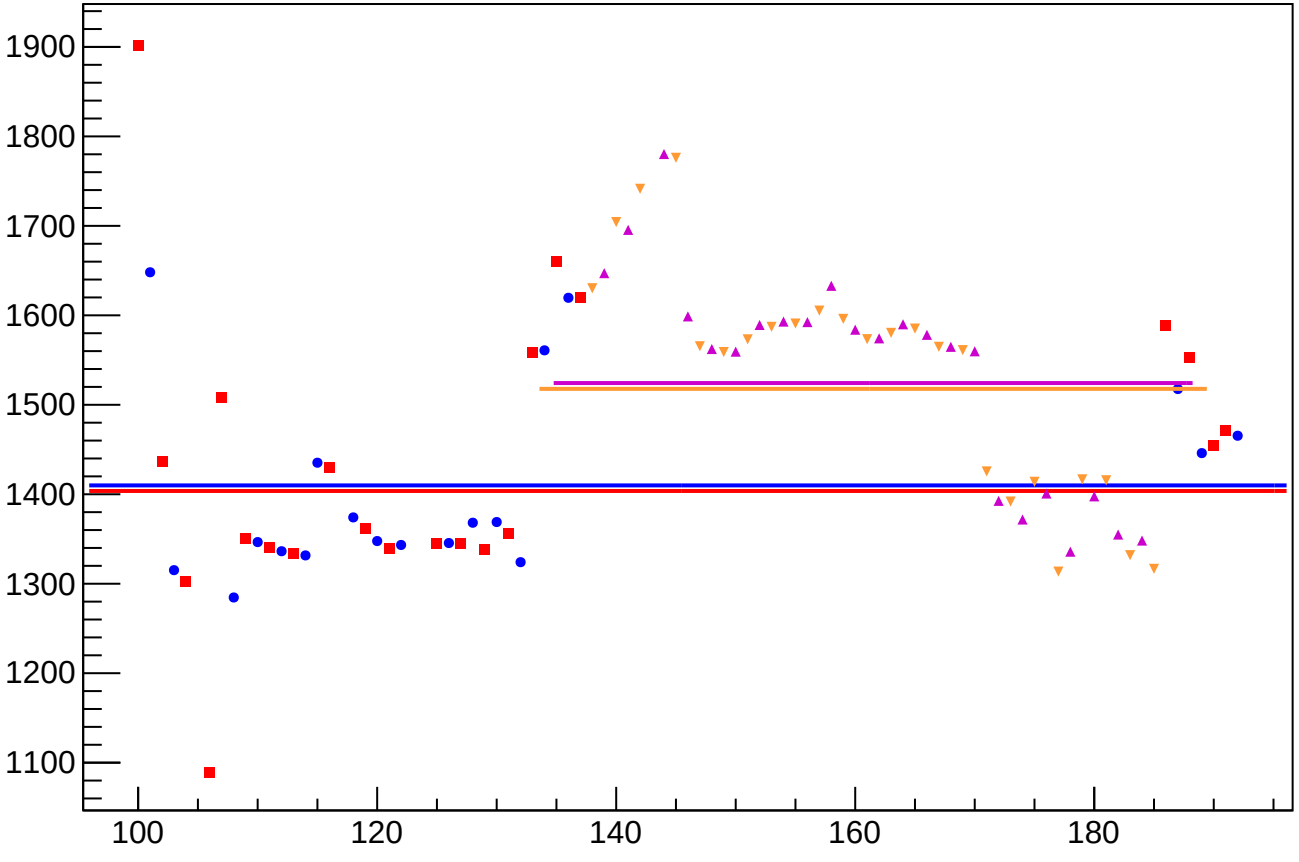
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1388.411+/-283.298 χ^2/NDF: 47.5/42

All: -399.327+/-200.630 χ^2/NDF: 158.8/87

- sign -2198.104+/-284.171 χ^2/NDF: 31.4/44

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1409.912+/-0.335 χ^2/NDF: 100287.6/18

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

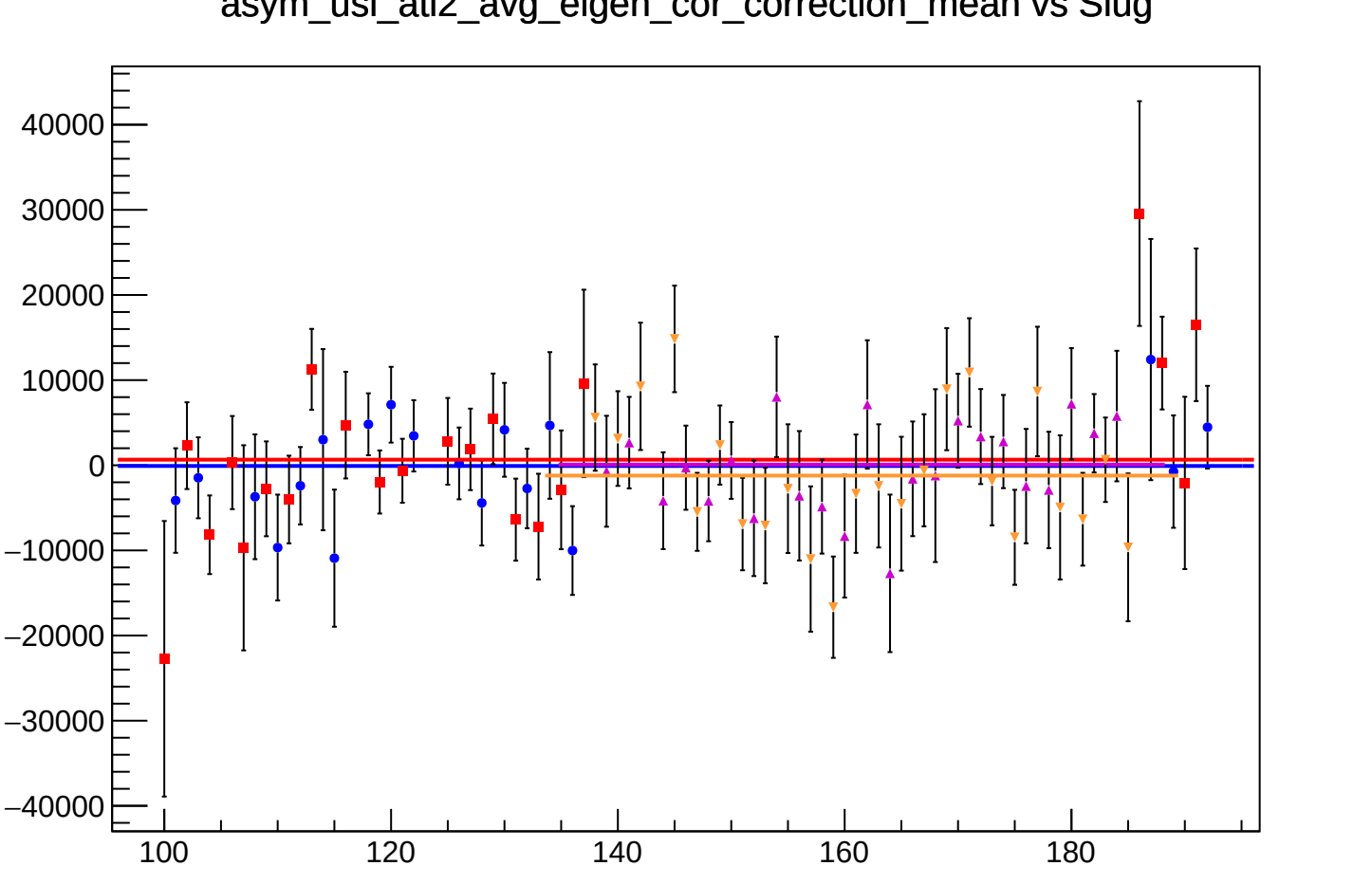
Right Out: 1403.694+/-0.328 χ^2/NDF: 150521.2/21

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1479.230+/-0.200 χ^2/NDF: 400897.4/42

All: 1479.353+/-0.142 χ^2/NDF: 860578.6/87

- sign 1479.476+/-0.200 χ^2/NDF: 459680.5/44



Right In: -83.560+/-1224.742 χ^2/NDF: 17.7/18

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

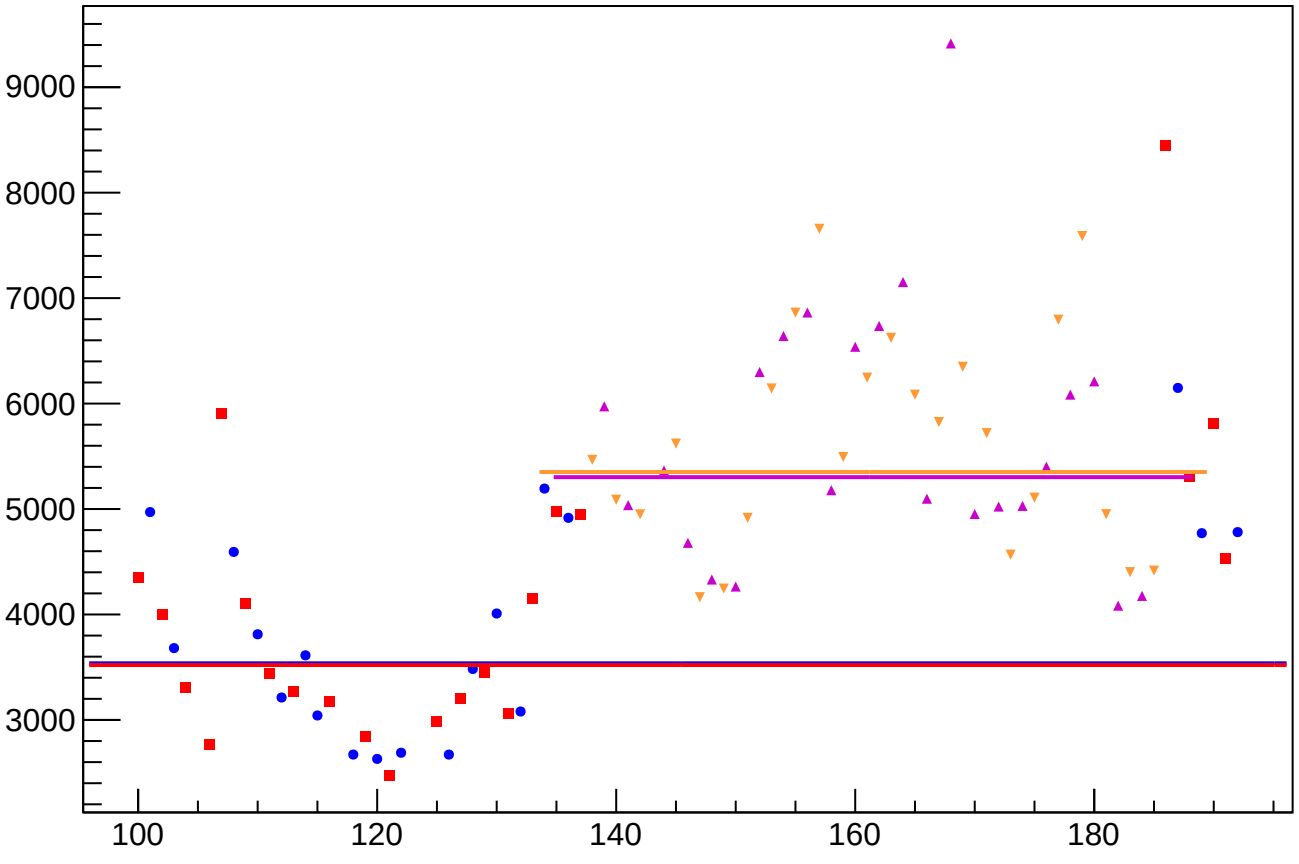
Right Out: 655.040+/-1203.670 χ^2/NDF: 31.9/21

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

\+ sign -628.009+/-881.025 χ^2/NDF: 51.4/42

All: -117.690+/-619.684 χ^2/NDF: 97.2/87

\- sign 381.972+/-871.778 χ^2/NDF: 45.2/44



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

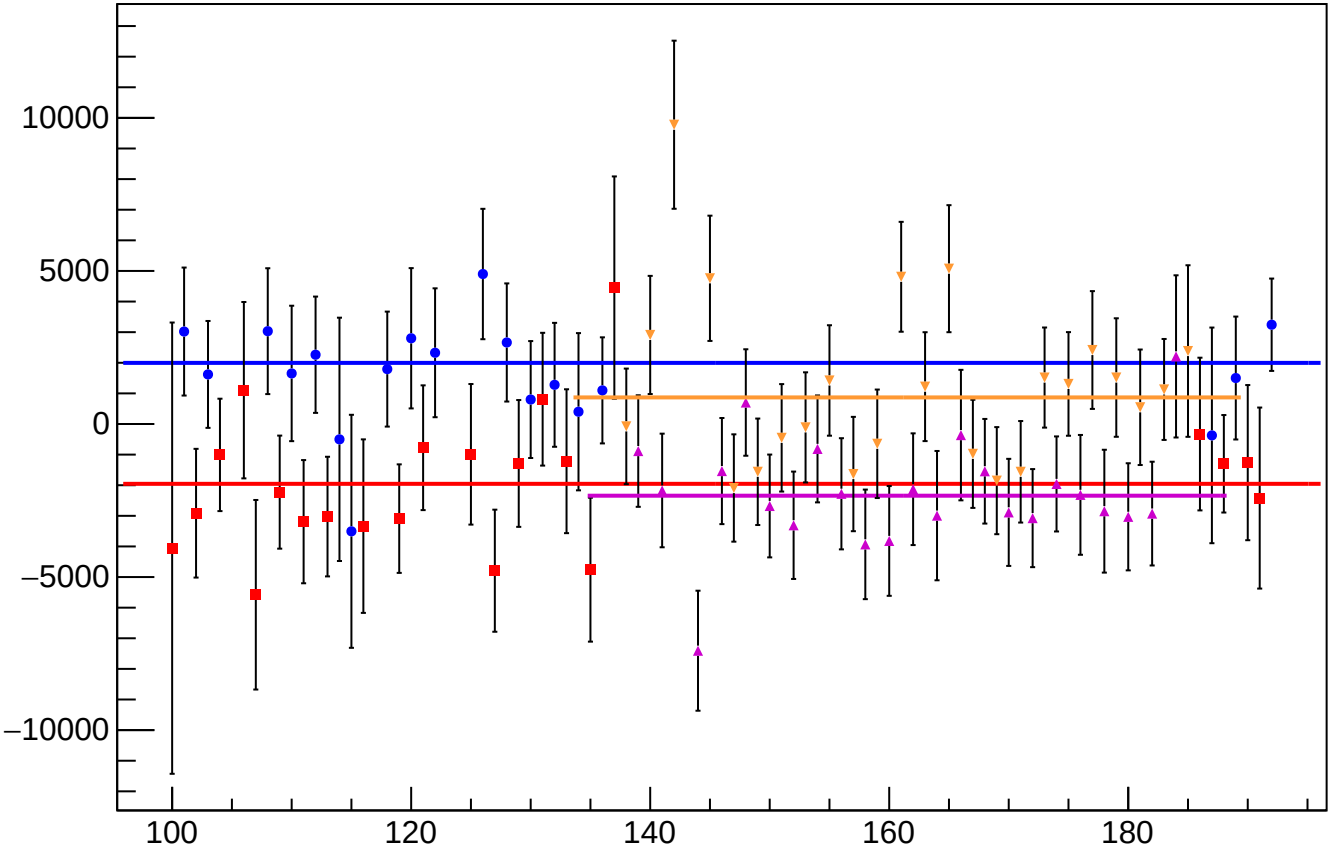
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4412.293+/-0.623 χ^2/NDF: 4237918.0/42

All: 4389.738+/-0.438 χ^2/NDF: 8792788.2/87

- sign 4367.655+/-0.616 χ^2/NDF: 4552276.0/44

dit_asym_usl_atl2_avg_mean vs Slug



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

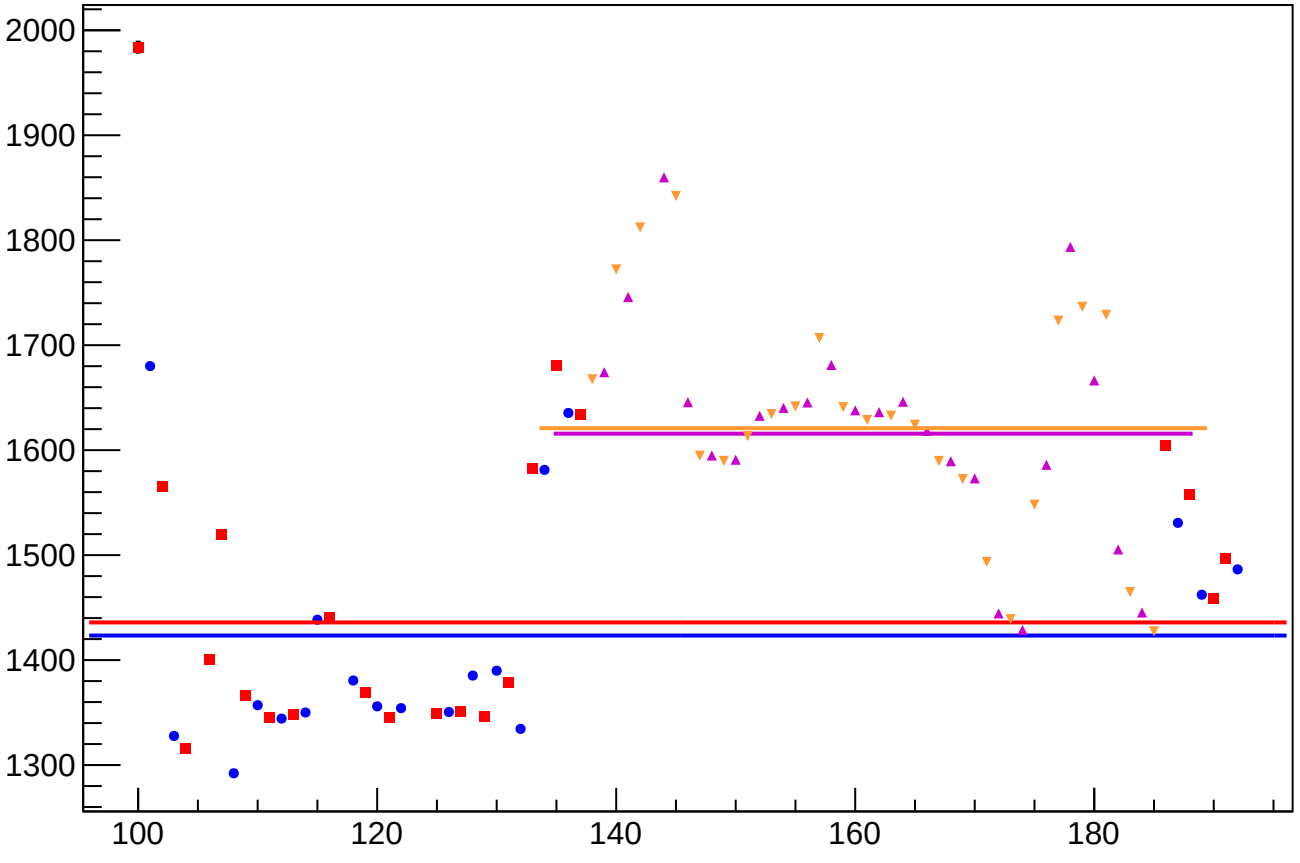
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1300.734+/-296.223 χ^2/NDF: 50.7/42

All: -445.874+/-209.464 χ^2/NDF: 152.7/87

- sign -2192.559+/-296.230 χ^2/NDF: 32.4/44

dit_asym_usl_atl2_avg_rms vs Slug



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

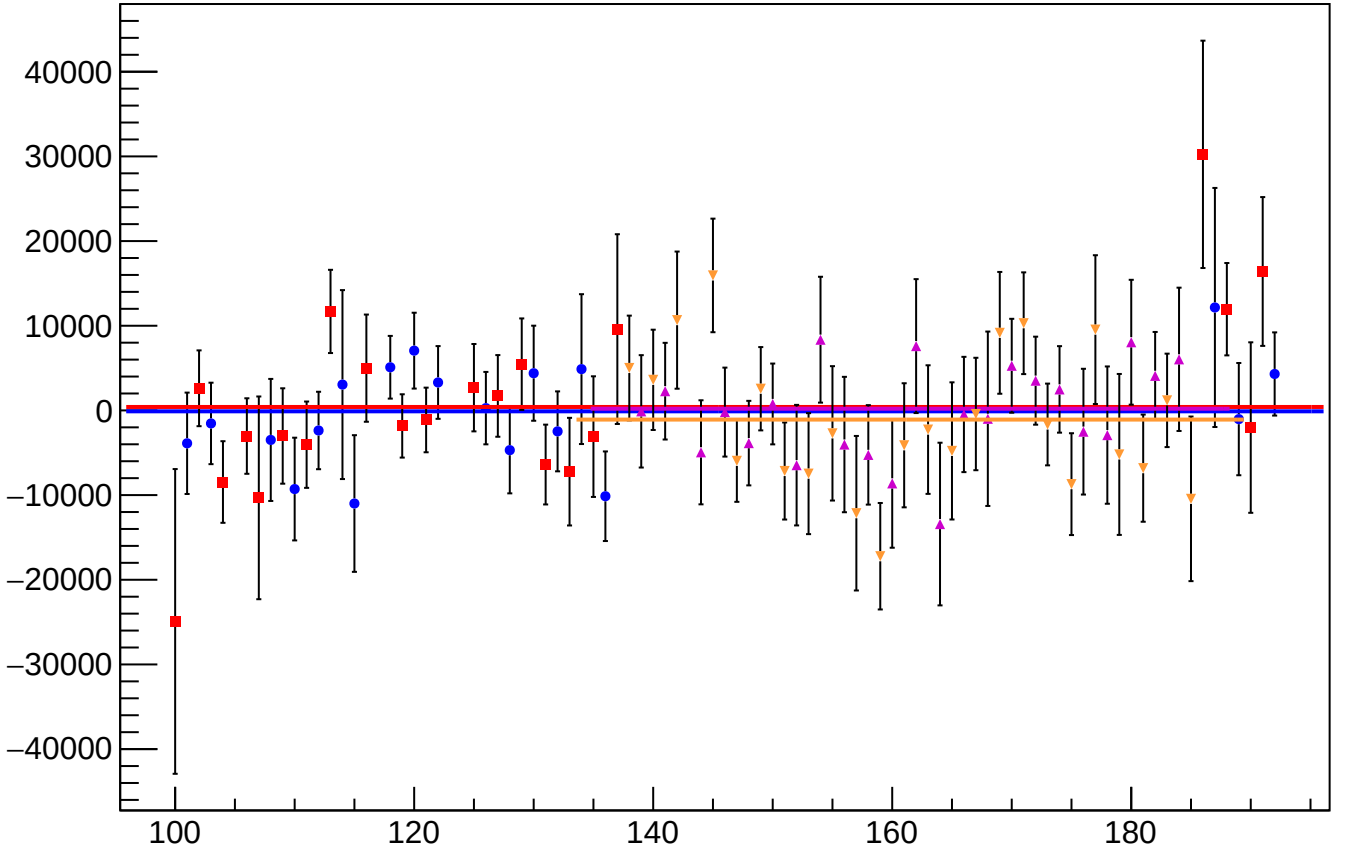
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1545.238+/-0.209 χ^2/NDF: 458685.5/42

All: 1545.653+/-0.148 χ^2/NDF: 886662.7/87

- sign 1546.066+/-0.209 χ^2/NDF: 427969.4/44

asym_usl_atl2_avg_dit_correction_mean vs Slug



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

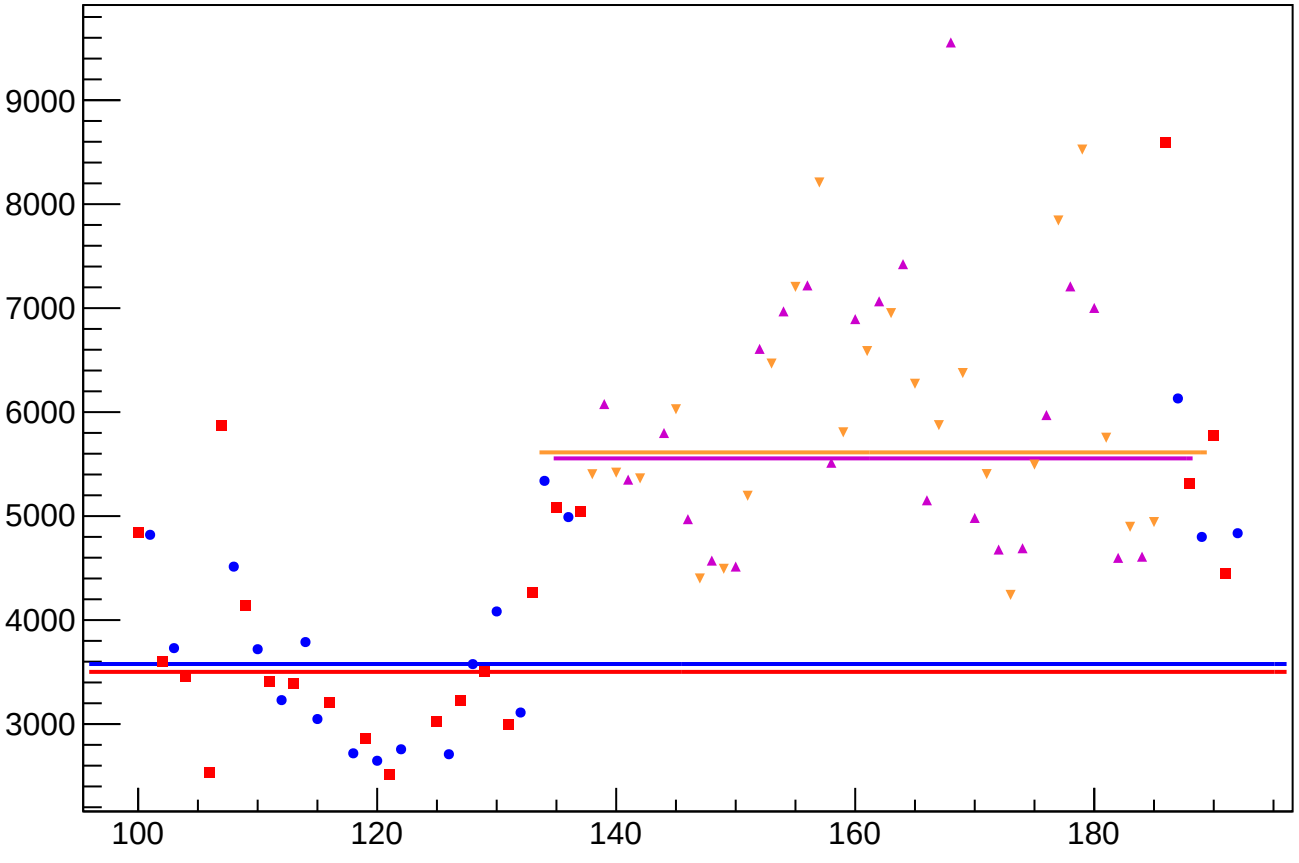
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -558.554+/-906.703 χ^2/NDF: 50.7/42

All: -111.744+/-633.844 χ^2/NDF: 96.9/87

- sign 315.304+/-886.424 χ^2/NDF: 45.7/44

asym_usl_atl2_avg_dit_correction_rms vs Slug



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

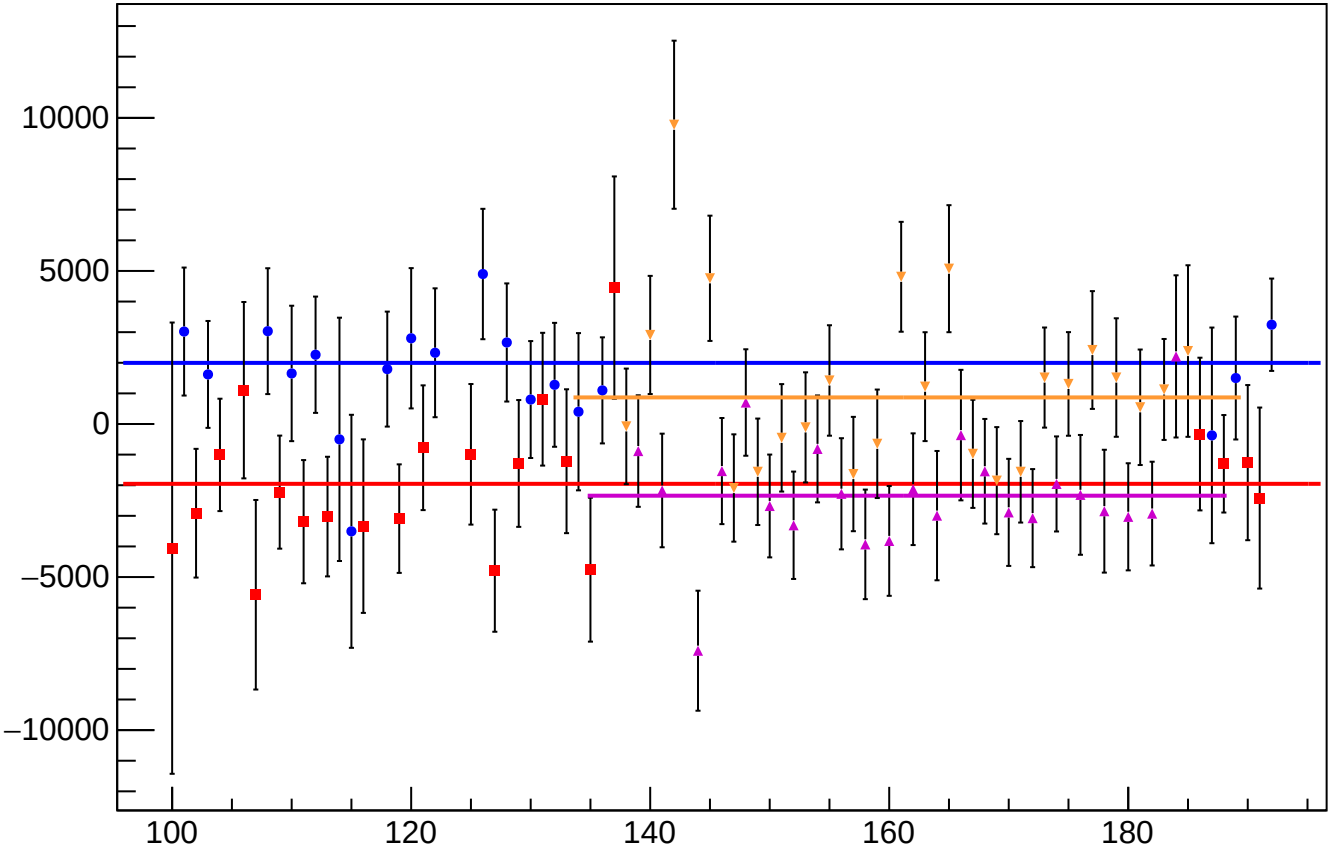
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

\+ sign 4520.011+/-0.641 χ^2/NDF: 4708727.4/42

All: 4468.403+/-0.448 χ^2/NDF: 9958743.2/87

\- sign 4419.079+/-0.627 χ^2/NDF: 5237344.0/44

eigen_dit_asym_usl_atl2_avg_mean vs Slug



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

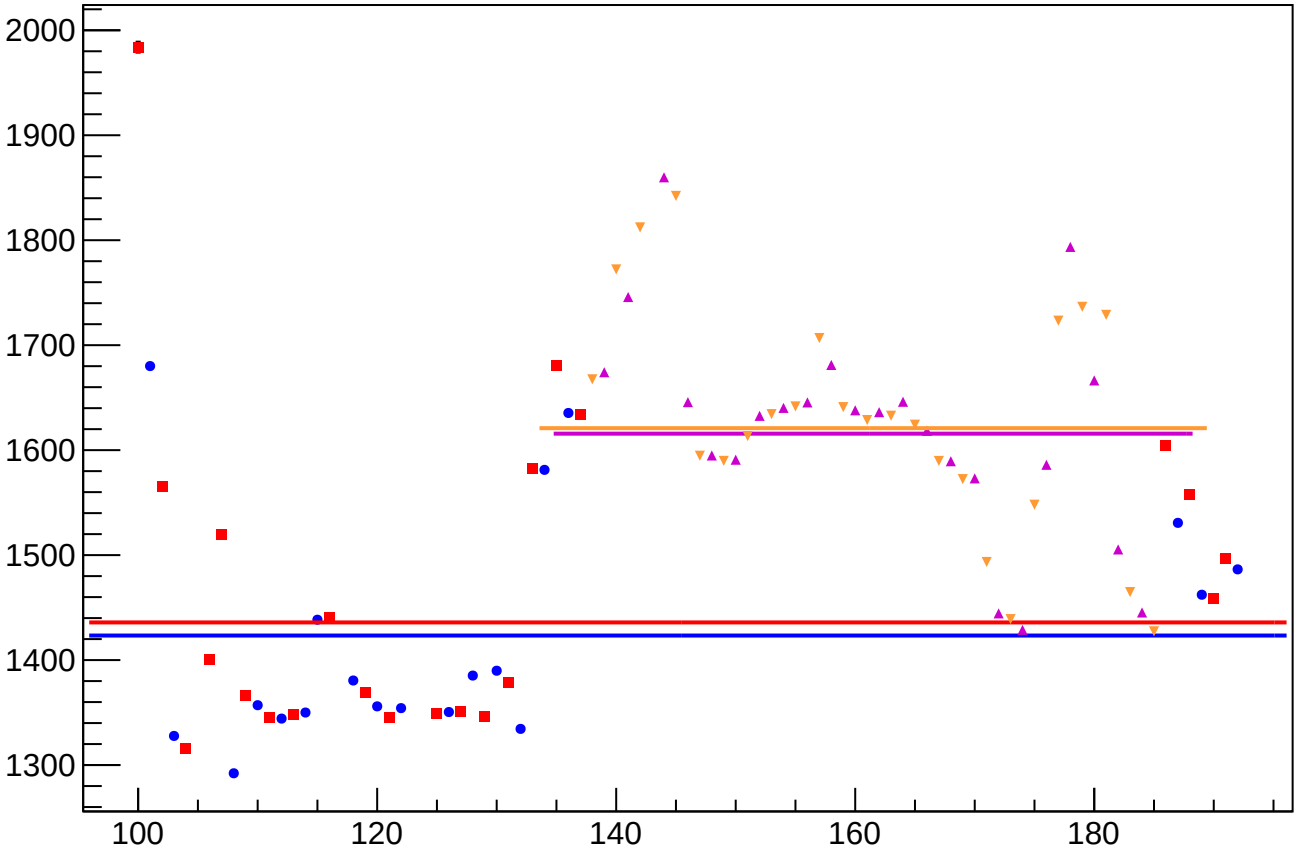
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1300.731+/-296.223 χ^2/NDF: 50.7/42

All: -445.876+/-209.464 χ^2/NDF: 152.7/87

- sign -2192.558+/-296.230 χ^2/NDF: 32.4/44

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1423.381+/-0.338 χ^2/NDF: 106428.8/18

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

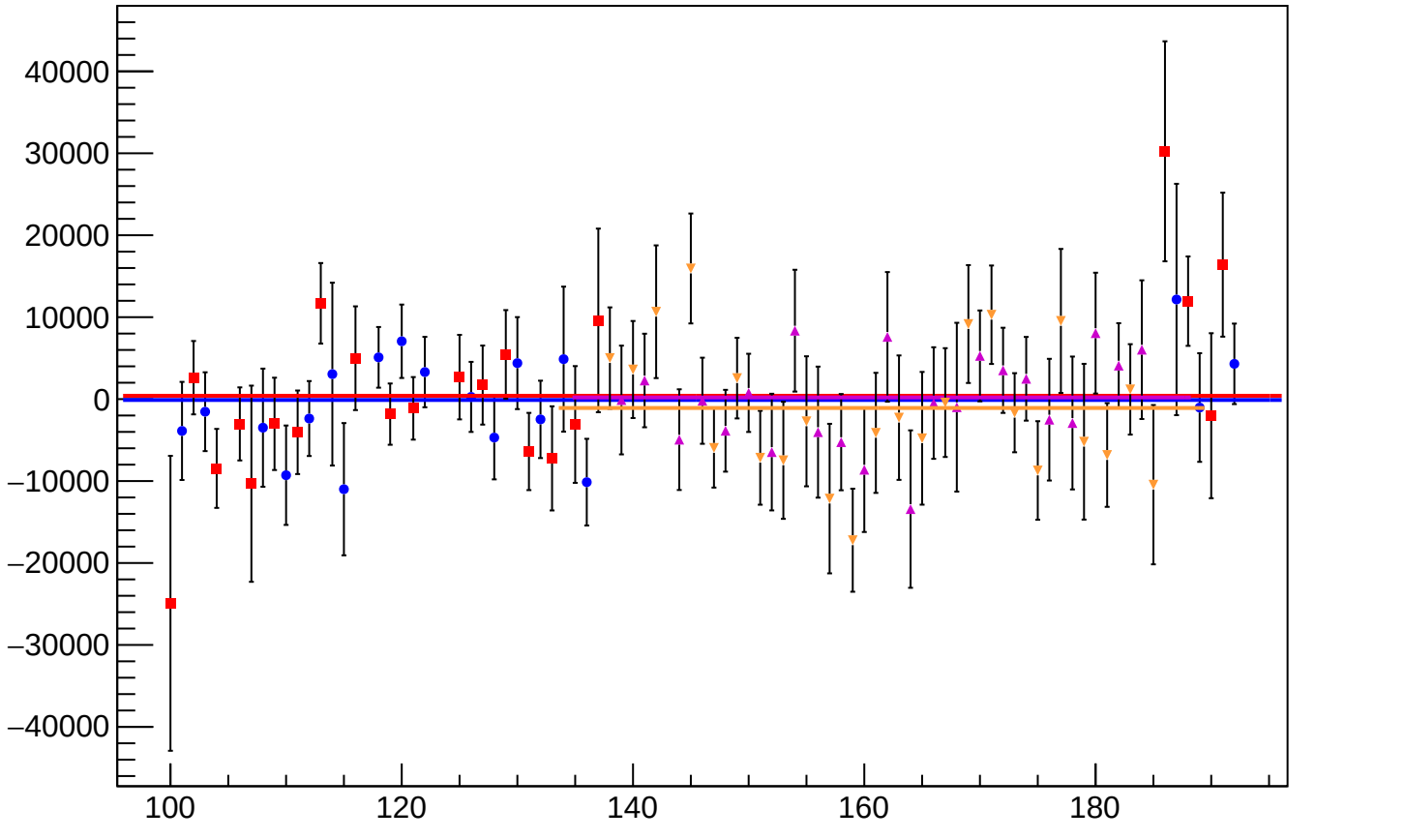
Right Out: 1435.877+/-0.336 χ^2/NDF: 115648.9/21

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1545.239+/-0.209 χ^2/NDF: 458692.8/42

All: 1545.653+/-0.148 χ^2/NDF: 886677.6/87

- sign 1546.067+/-0.209 χ^2/NDF: 427976.9/44



Right In: -106.887+/-1237.400 χ^2/NDF: 17.5/18

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

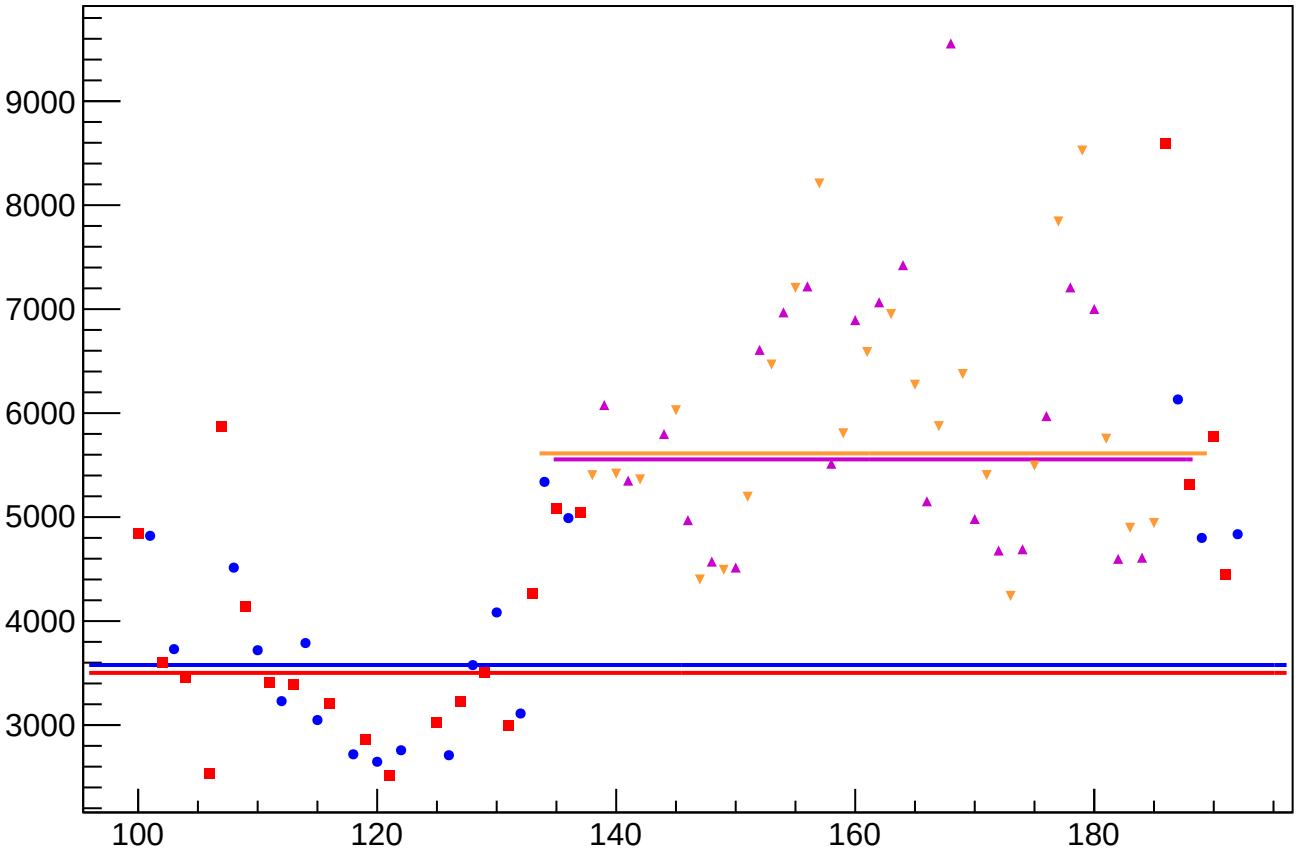
Right Out: 407.067+/-1191.754 χ^2/NDF: 32.8/21

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

+ sign -558.554+/-906.702 χ^2/NDF: 50.7/42

All: -111.746+/-633.844 χ^2/NDF: 96.9/87

- sign 315.300+/-886.423 χ^2/NDF: 45.7/44



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

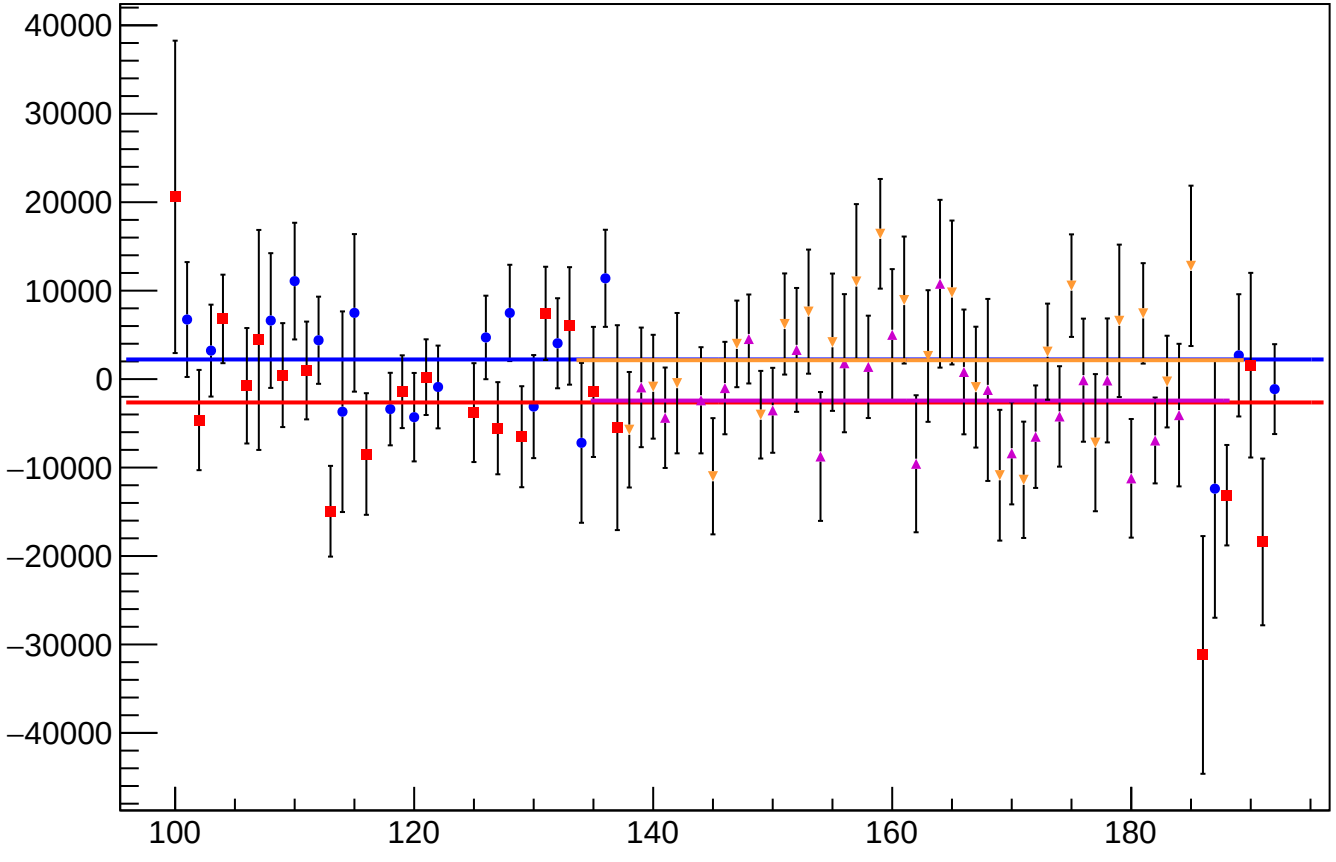
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

\+ sign 4520.005+/-0.641 χ^2/NDF: 4708792.6/42

All: 4468.398+/-0.448 χ^2/NDF: 9958868.3/87

\- sign 4419.073+/-0.627 χ^2/NDF: 5237403.8/44

asym_usl_atl2_avg_mean vs Slug



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

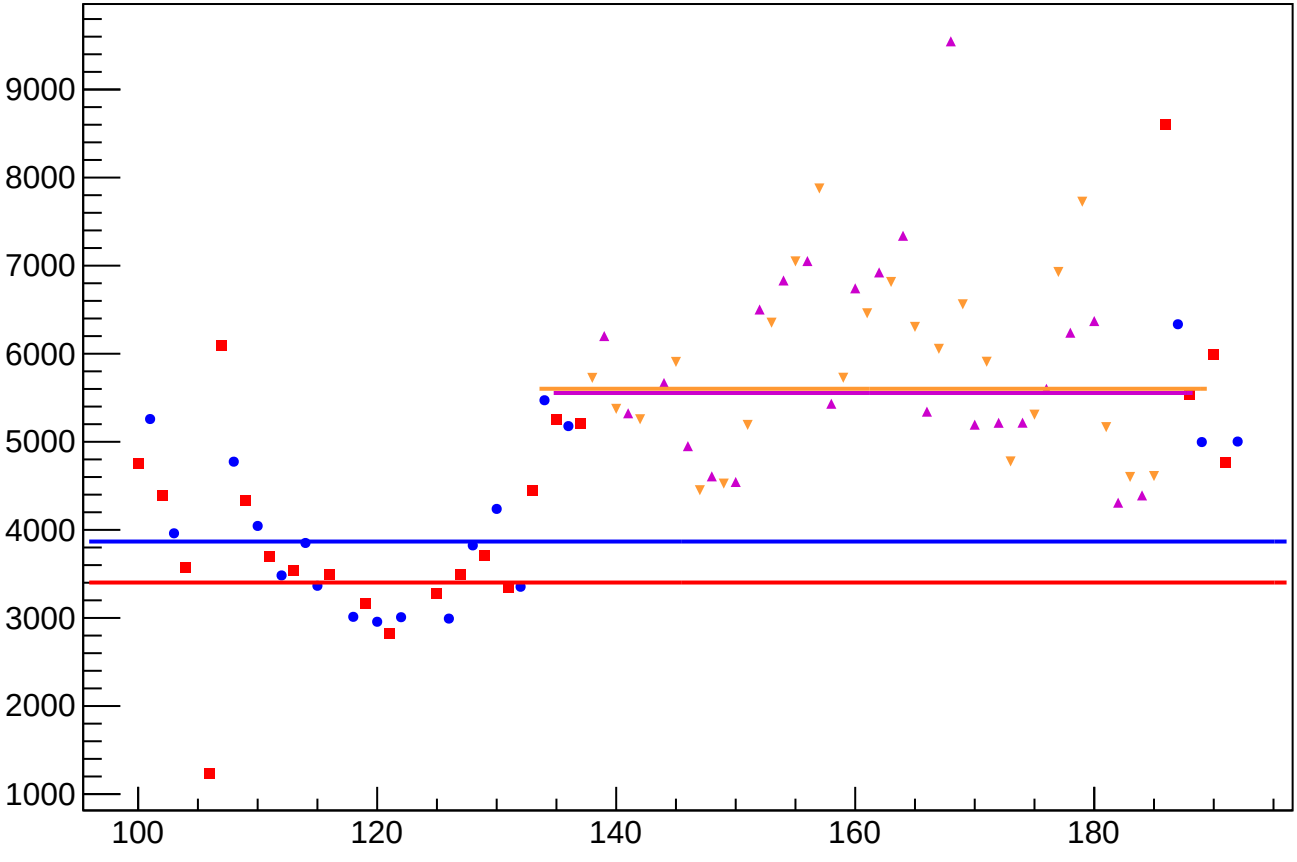
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

\+ sign 2179.829+/-938.935 χ^2/NDF: 45.7/42

All: -196.584+/-661.218 χ^2/NDF: 101.9/87

\- sign -2534.604+/-931.319 χ^2/NDF: 43.5/44

asym_usl_atl2_avg_rms vs Slug



Right In: 3867.662+/-0.941 χ^2/NDF: 846219.1/18

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

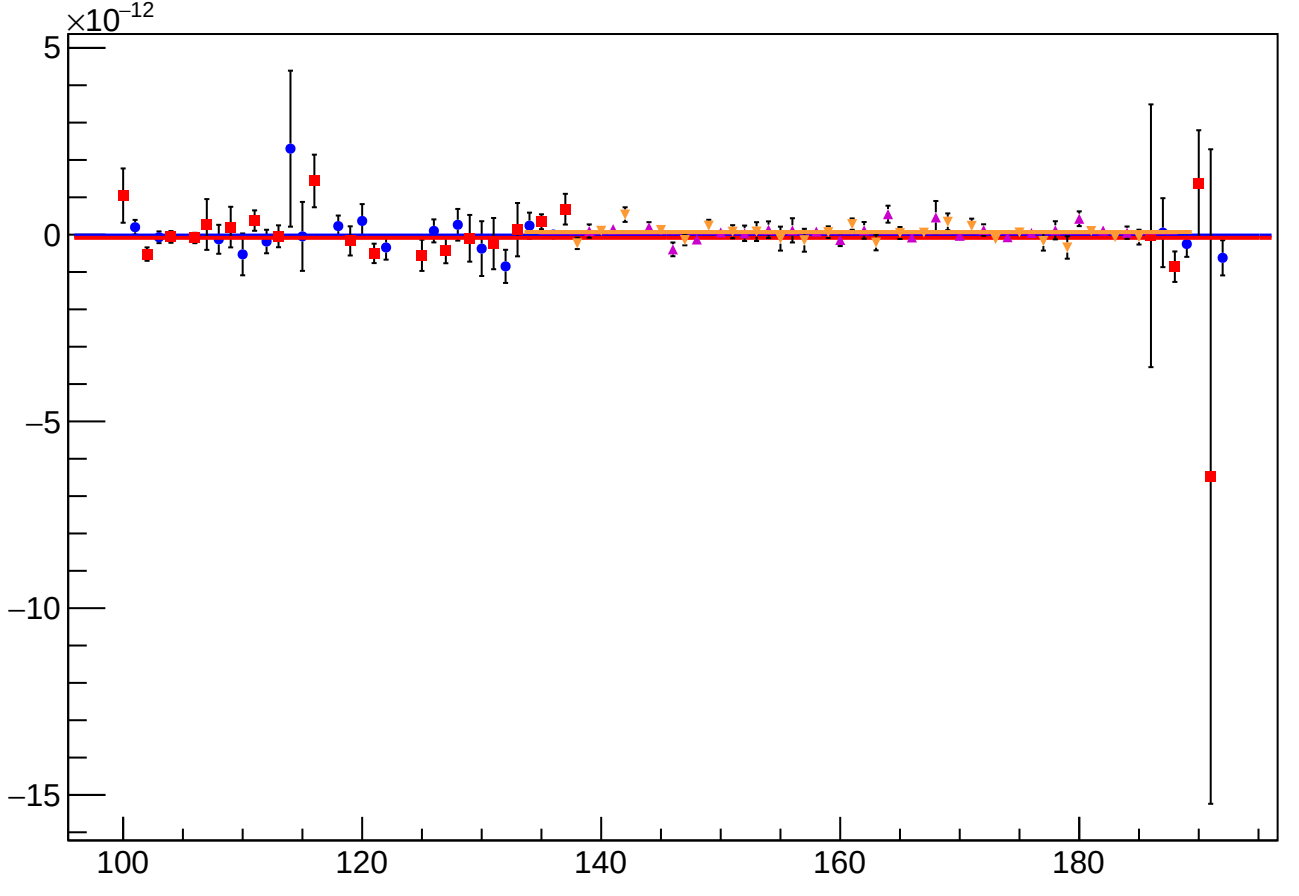
Right Out: 3402.158+/-0.857 χ^2/NDF: 2414646.3/21

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4739.510+/-0.664 χ^2/NDF: 3493099.4/42

All: 4553.887+/-0.458 χ^2/NDF: 10049502.2/8

- sign 4385.899+/-0.632 χ^2/NDF: 6407495.5/44



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

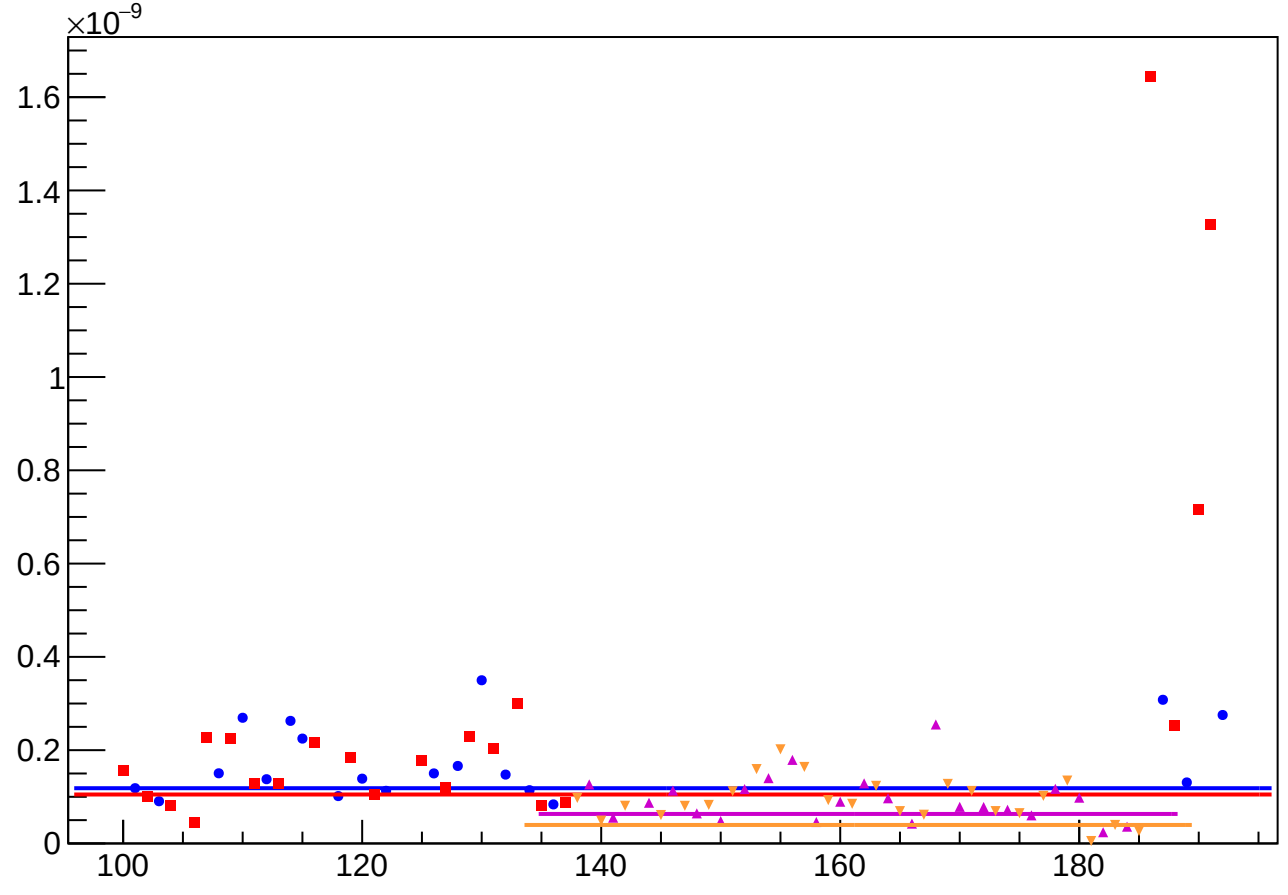
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.3/42

All: 0.000+/-0.000 χ^2/NDF: 108.0/87

- sign 0.000+/-0.000 χ^2/NDF: 64.0/44

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



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

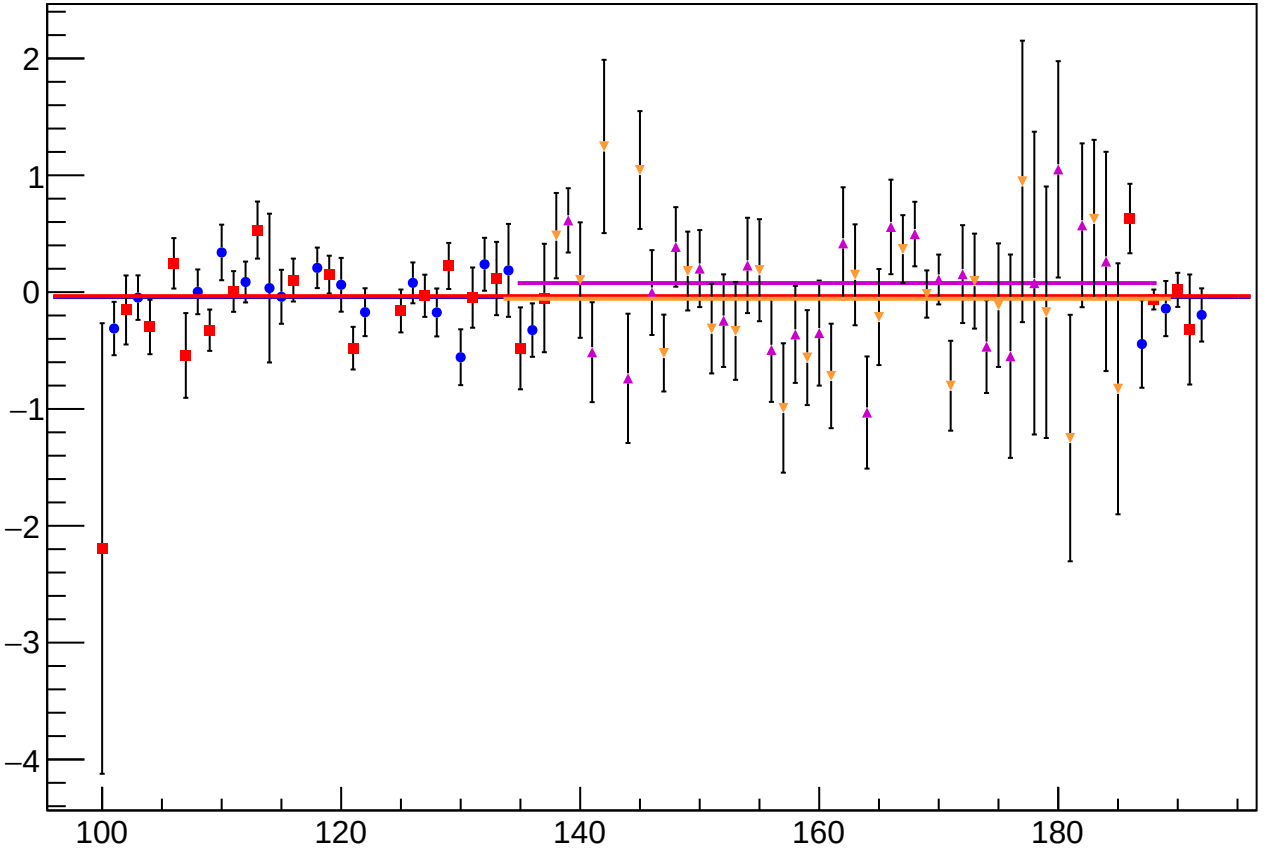
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10354926.1/42

All: 0.000+/-0.000 χ^2/NDF: 17077833.7/87

- sign 0.000+/-0.000 χ^2/NDF: 5789365.9/44

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



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

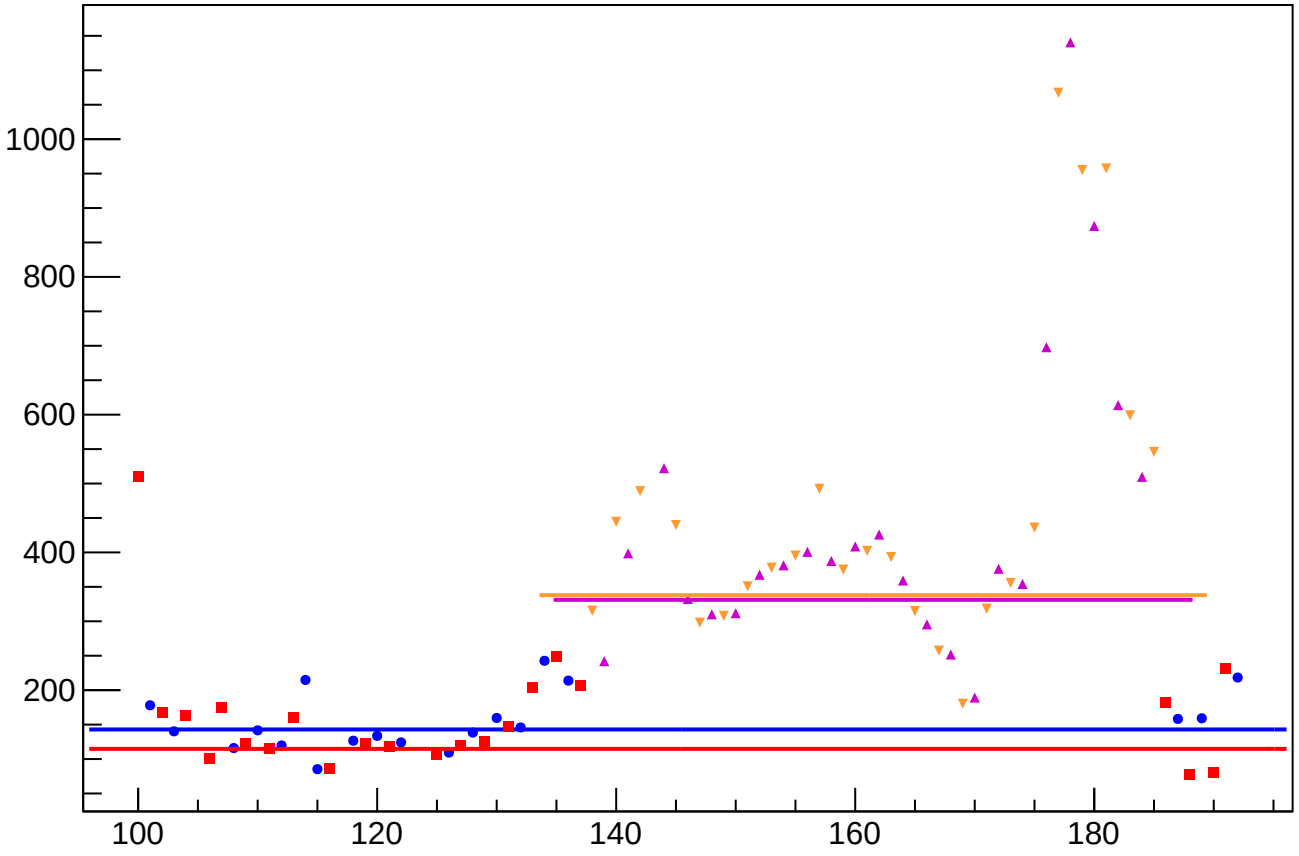
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 48.4/42

All: -0.026+/-0.029 χ^2/NDF: 109.1/87

- sign -0.012+/-0.038 χ^2/NDF: 60.4/44

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



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

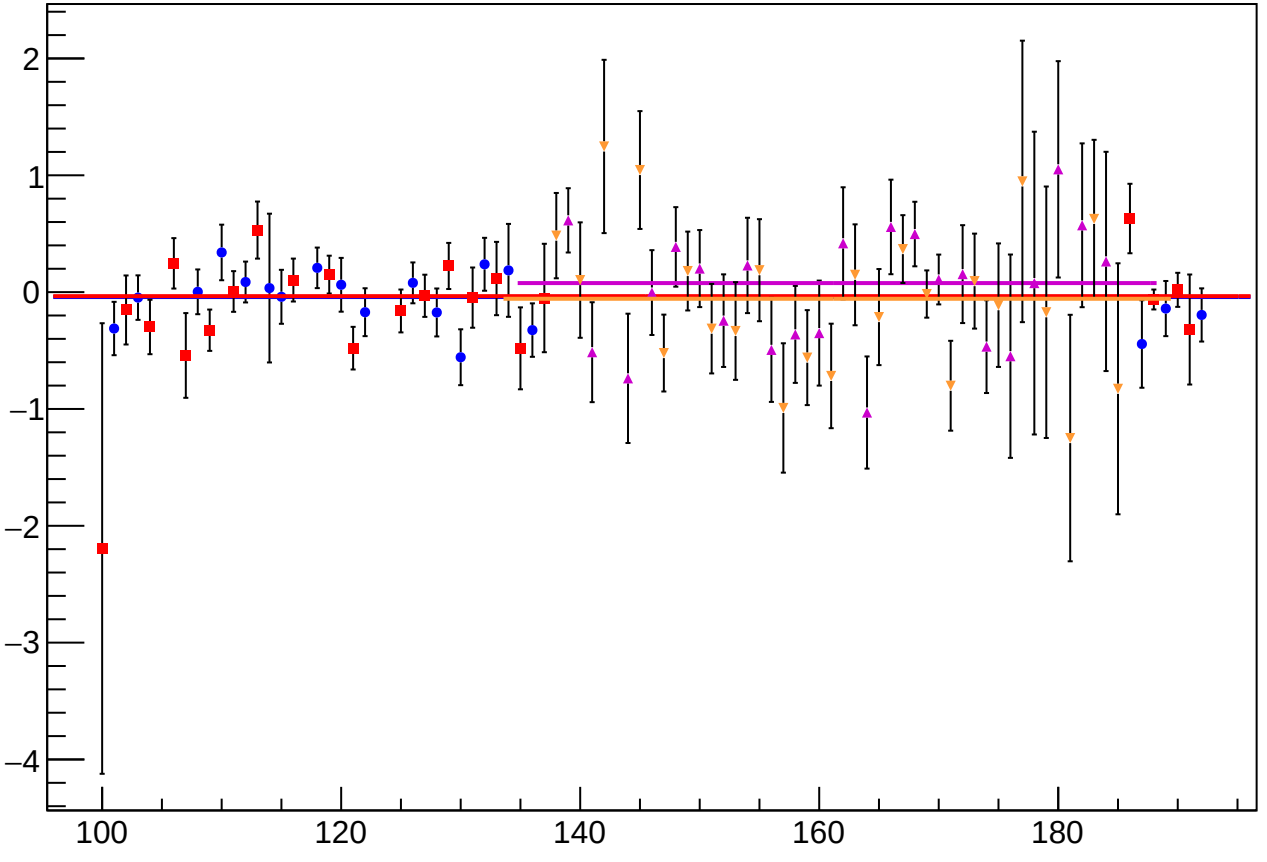
Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 194.127+/-0.031 χ^2/NDF: 13141714.3/42

All: 173.752+/-0.020 χ^2/NDF: 30453555.4/87

- sign 158.725+/-0.027 χ^2/NDF: 16559325.2/44

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.042+/-0.051 χ^2/NDF: 18.0/18

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

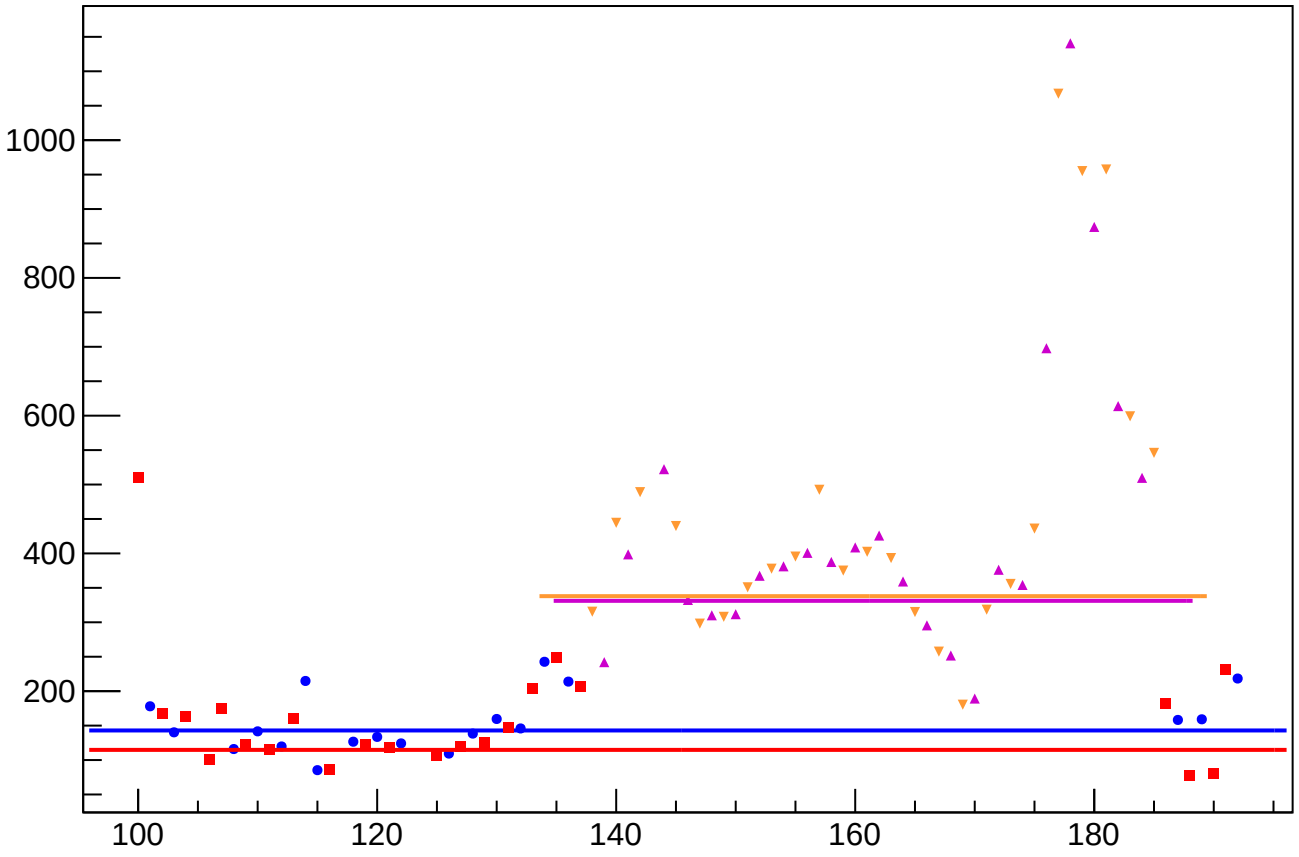
Right Out: -0.034+/-0.042 χ^2/NDF: 32.0/21

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 48.4/42

All: -0.026+/-0.029 χ^2/NDF: 109.1/87

- sign -0.012+/-0.038 χ^2/NDF: 60.4/44



Right In: 142.944+/-0.036 χ^2/NDF: 945481.0/18

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

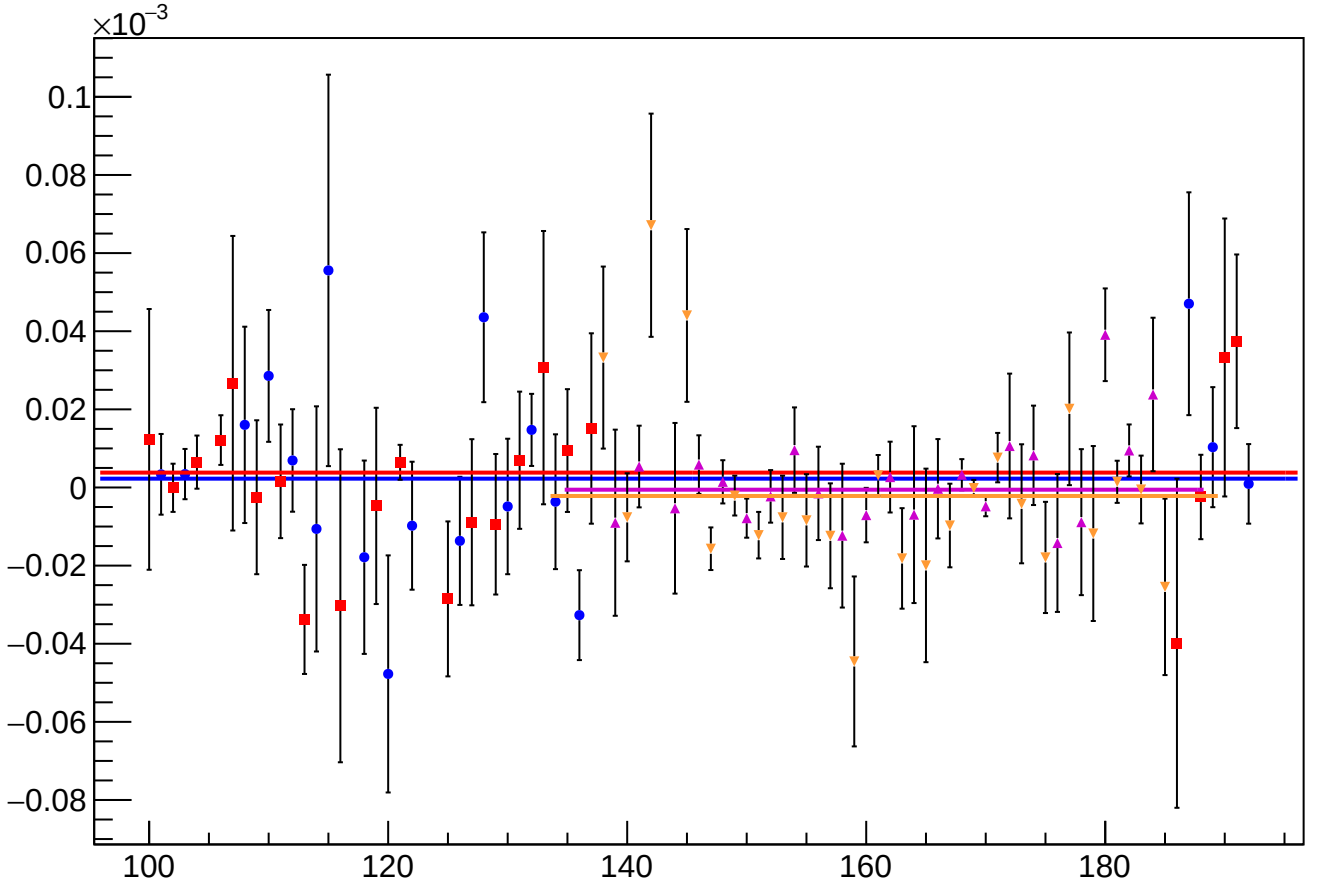
Right Out: 114.750+/-0.030 χ^2/NDF: 1726138.5/21

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 194.127+/-0.031 χ^2/NDF: 13141714.3/42

All: 173.752+/-0.020 χ^2/NDF: 30453555.4/87

- sign 158.725+/-0.027 χ^2/NDF: 16559325.2/44



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

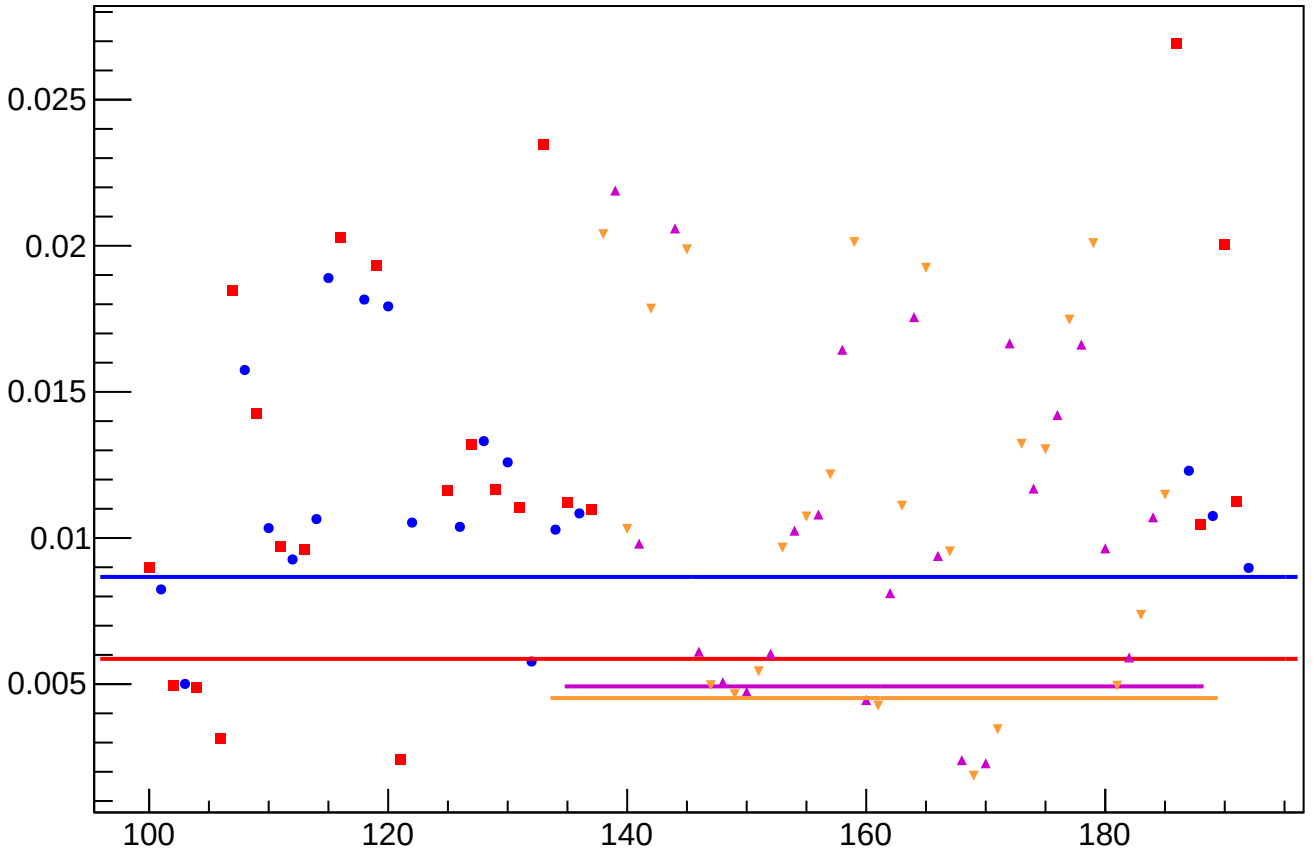
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/21

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.3/42

All: -0.000+/-0.000 χ^2/NDF: 116.4/87

- sign 0.000+/-0.000 χ^2/NDF: 48.7/44



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

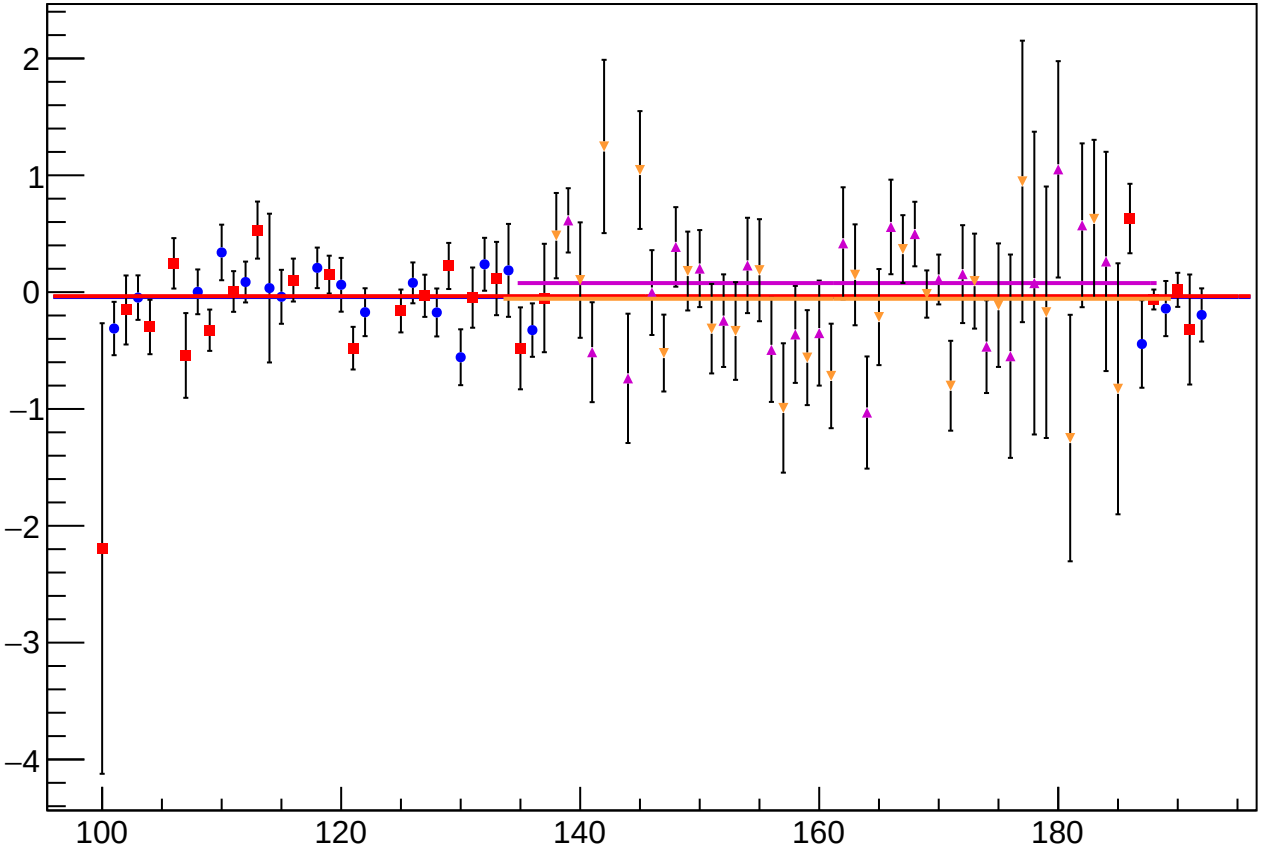
Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 19096809.4/42

All: 0.005+/-0.000 χ^2/NDF: 37215015.4/87

- sign 0.005+/-0.000 χ^2/NDF: 18117980.8/44

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug



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

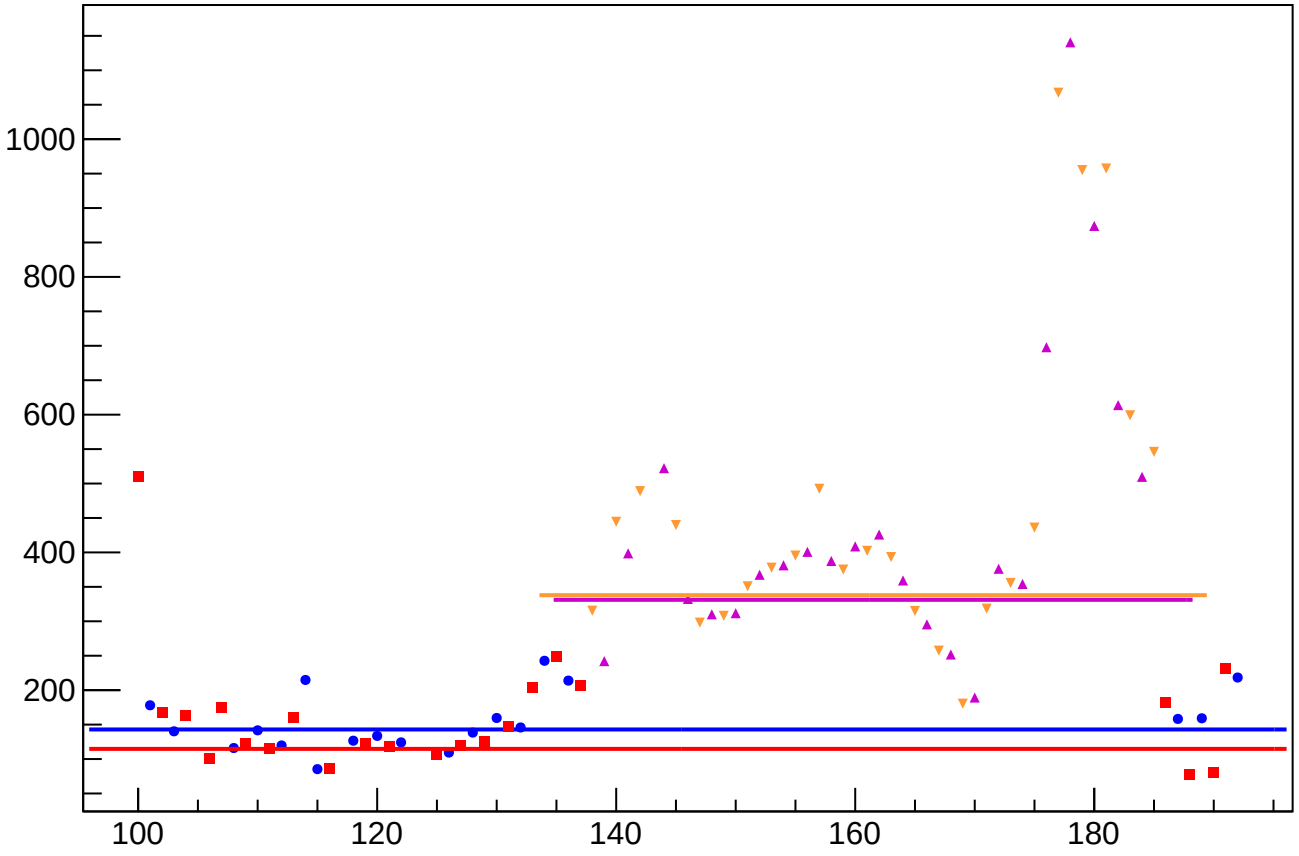
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 48.4/42

All: -0.026+/-0.029 χ^2/NDF: 109.1/87

- sign -0.012+/-0.038 χ^2/NDF: 60.4/44

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 142.944+/-0.036 χ^2/NDF: 945451.5/18

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

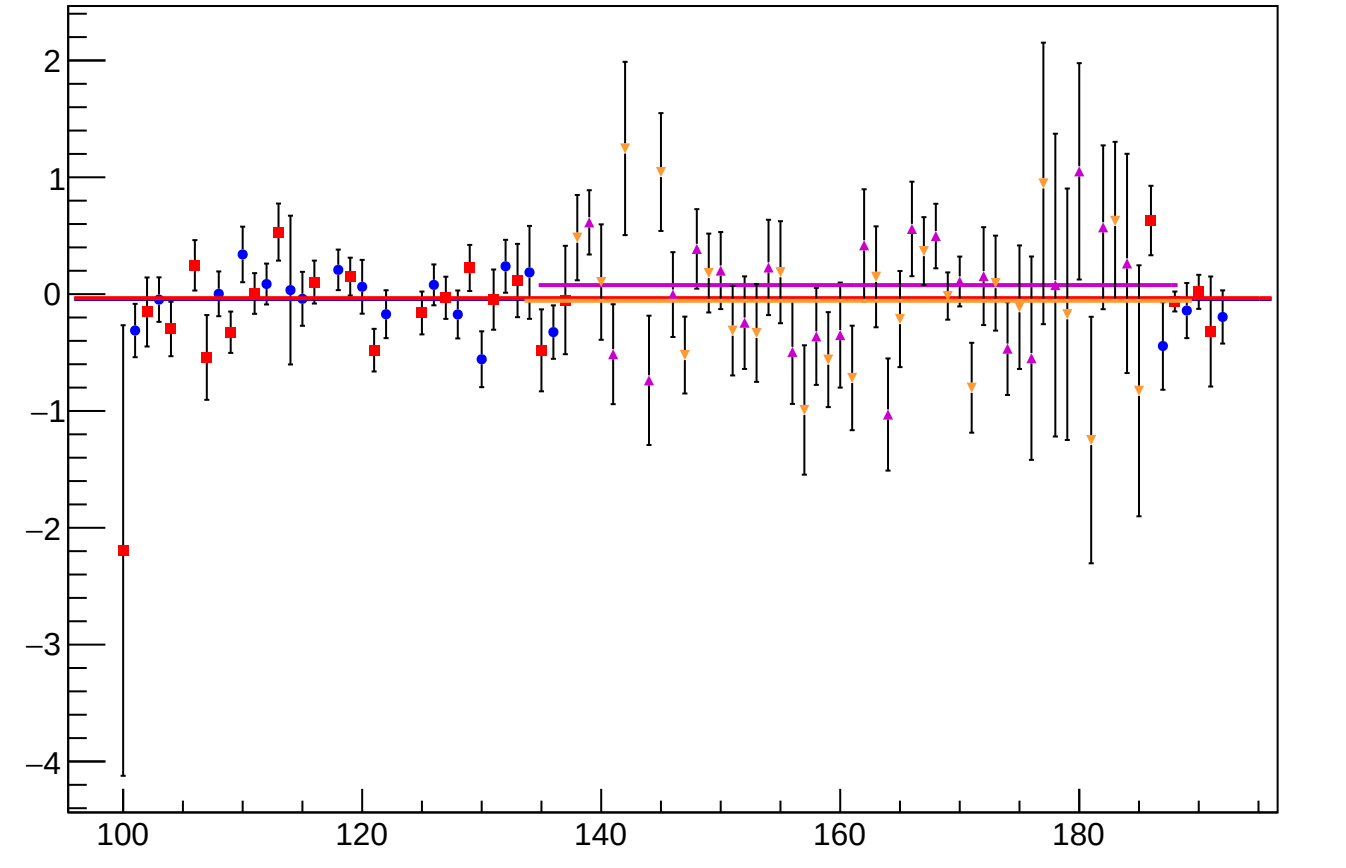
Right Out: 114.748+/-0.030 χ^2/NDF: 1726181.6/21

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 194.127+/-0.031 χ^2/NDF: 13141816.0/42

All: 173.751+/-0.020 χ^2/NDF: 30454196.8/87

- sign 158.723+/-0.027 χ^2/NDF: 16559748.8/44



Right In: -0.042+/-0.051 χ^2/NDF: 18.0/18

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

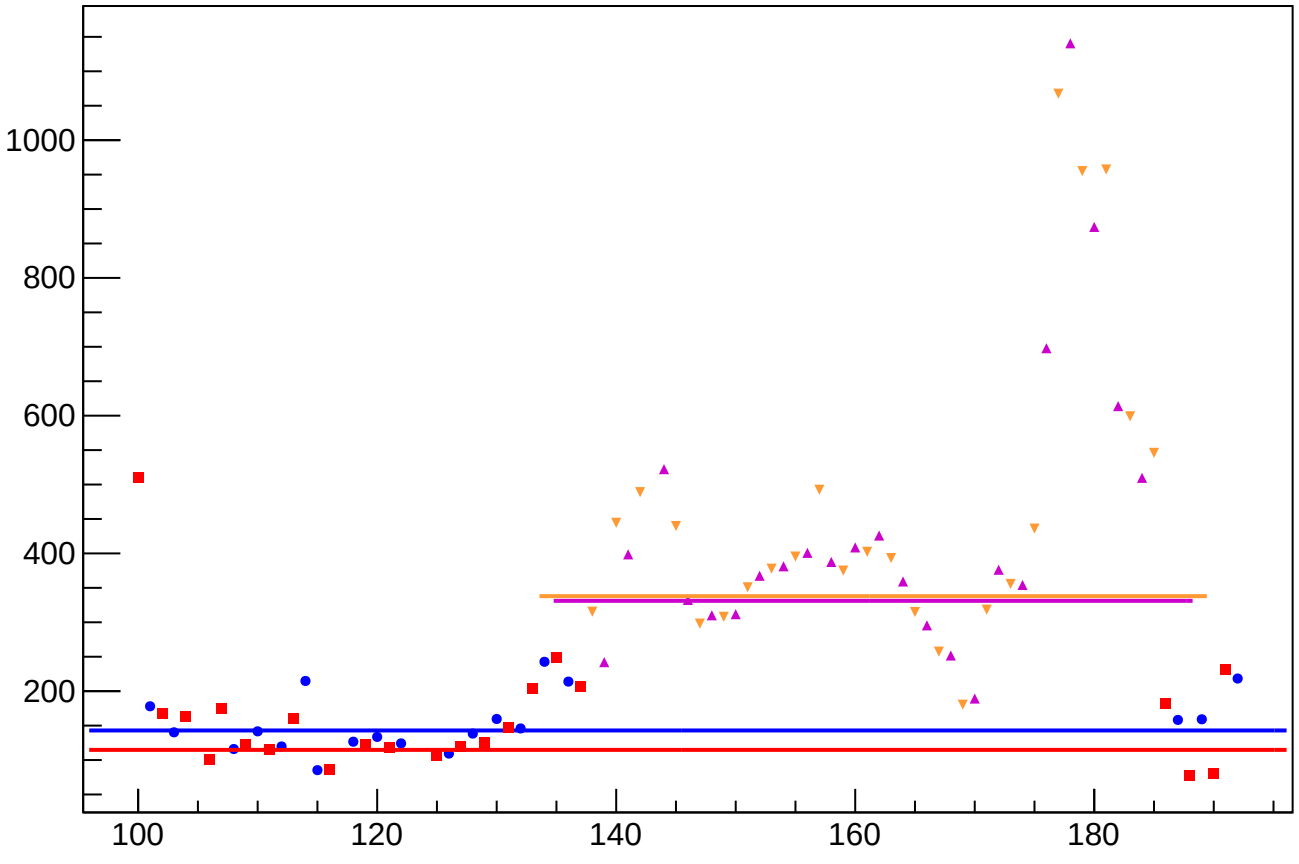
Right Out: -0.034+/-0.042 χ^2/NDF: 32.0/21

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 48.4/42

All: -0.026+/-0.029 χ^2/NDF: 109.1/87

- sign -0.012+/-0.038 χ^2/NDF: 60.4/44



Right In: 142.944+/-0.036 χ^2/NDF: 945451.5/18

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

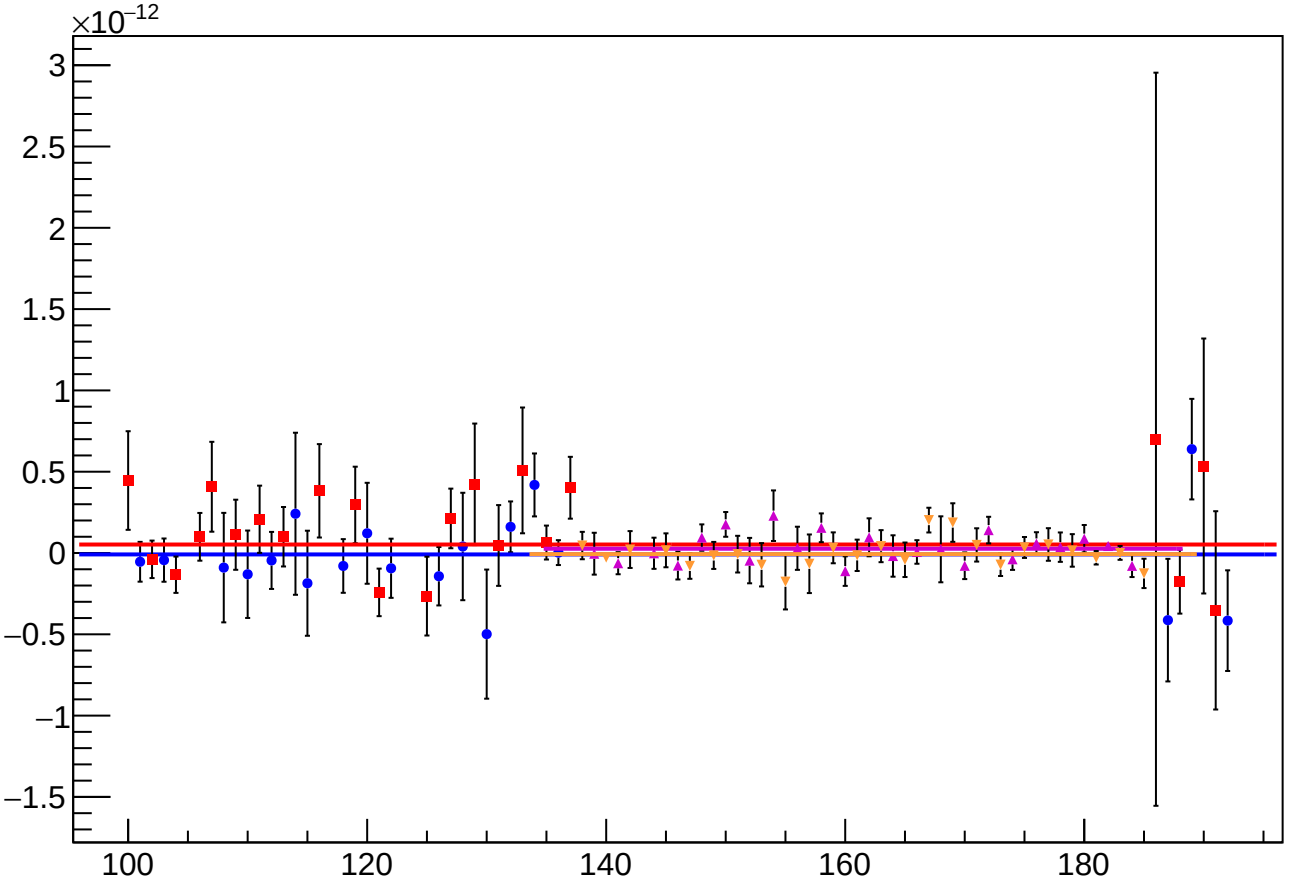
Right Out: 114.748+/-0.030 χ^2/NDF: 1726181.6/21

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 194.127+/-0.031 χ^2/NDF: 13141816.0/42

All: 173.751+/-0.020 χ^2/NDF: 30454196.8/87

- sign 158.723+/-0.027 χ^2/NDF: 16559748.8/44



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

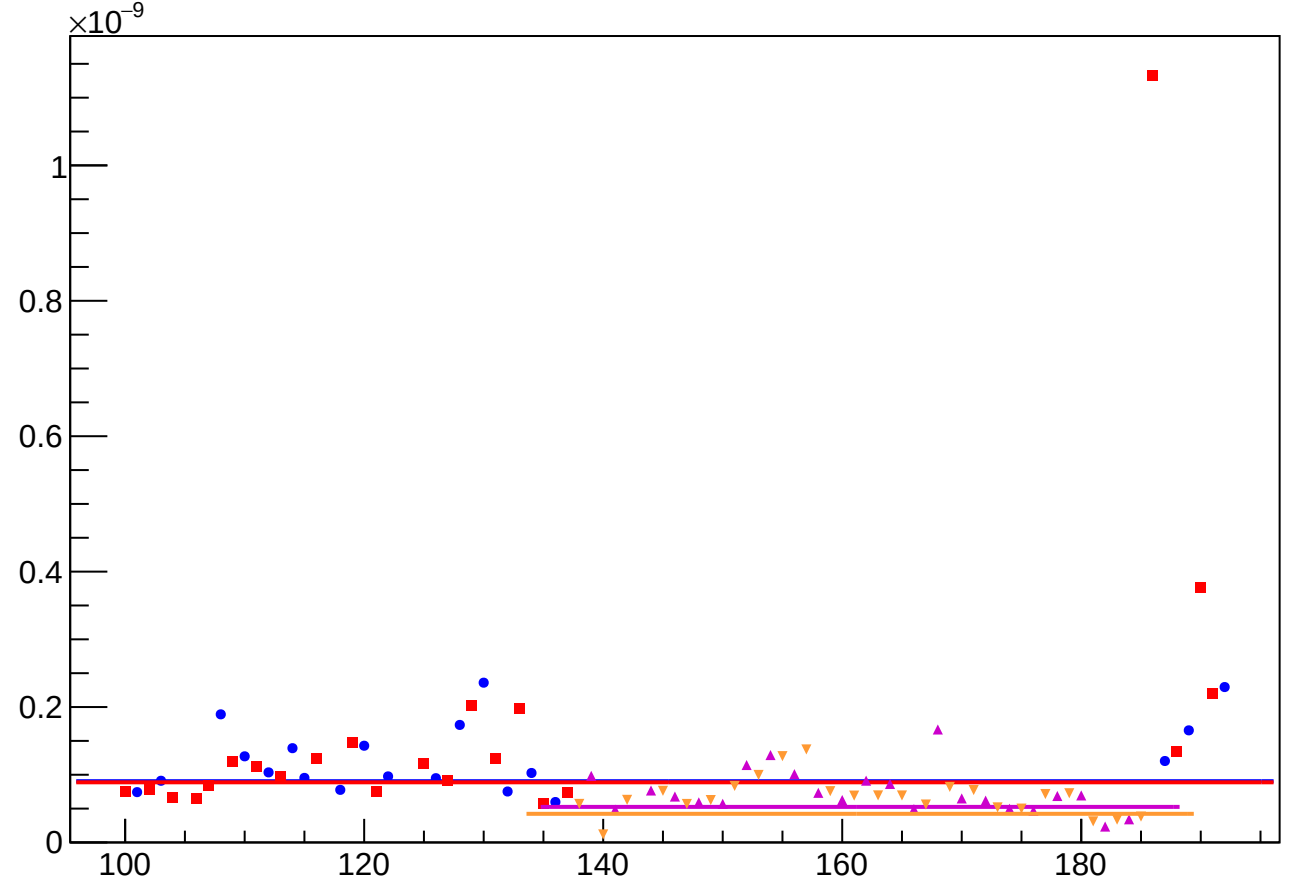
Right Out: 0.000+/-0.000 χ^2/NDF: 24.5/21

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/42

All: 0.000+/-0.000 χ^2/NDF: 86.2/87

- sign 0.000+/-0.000 χ^2/NDF: 47.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 1627703.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1894489.2/21

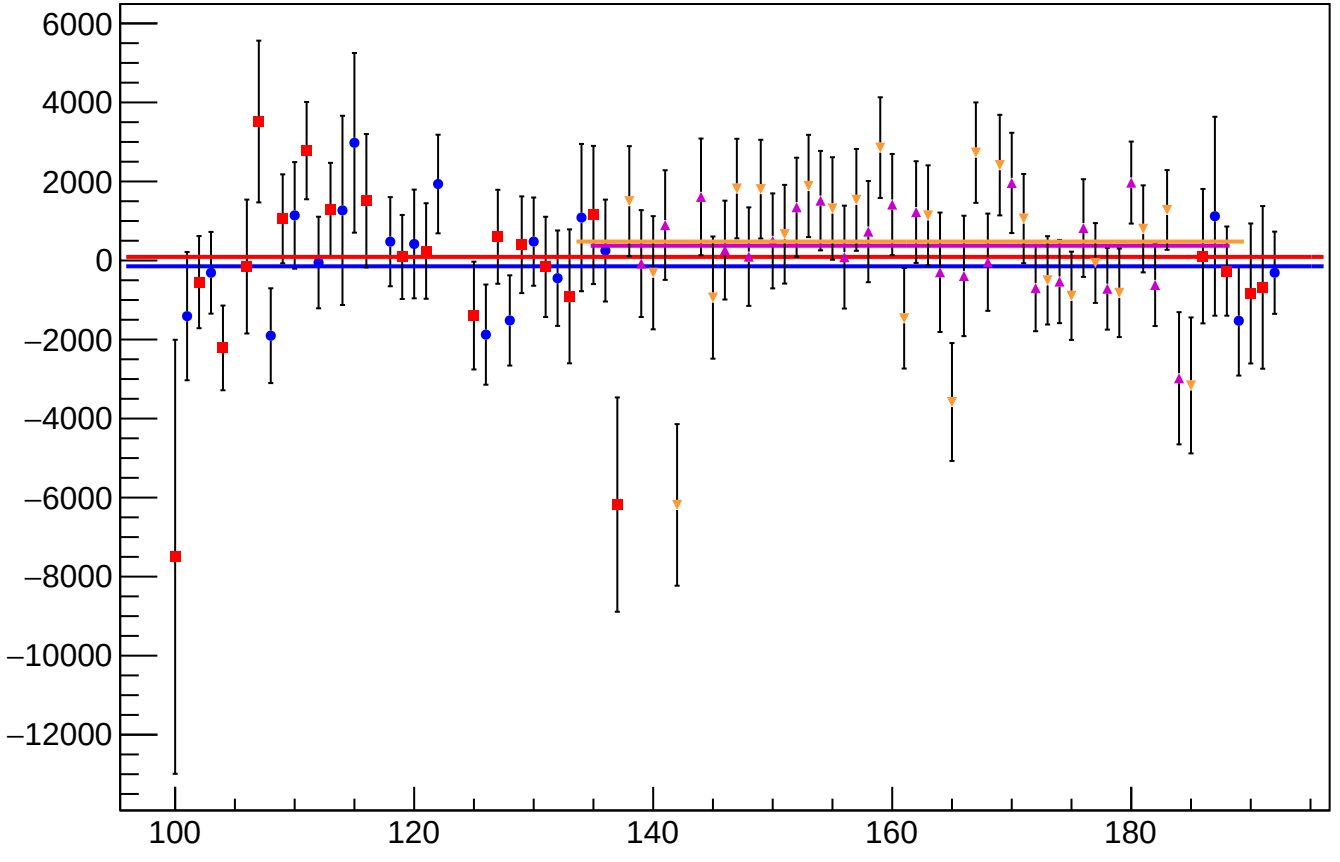
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10724314.6/42

All: 0.000+/-0.000 χ^2/NDF: 19385277.1/87

- sign 0.000+/-0.000 χ^2/NDF: 8168724.8/44

reg_asym_usl_atl2_dd_mean vs Slug



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

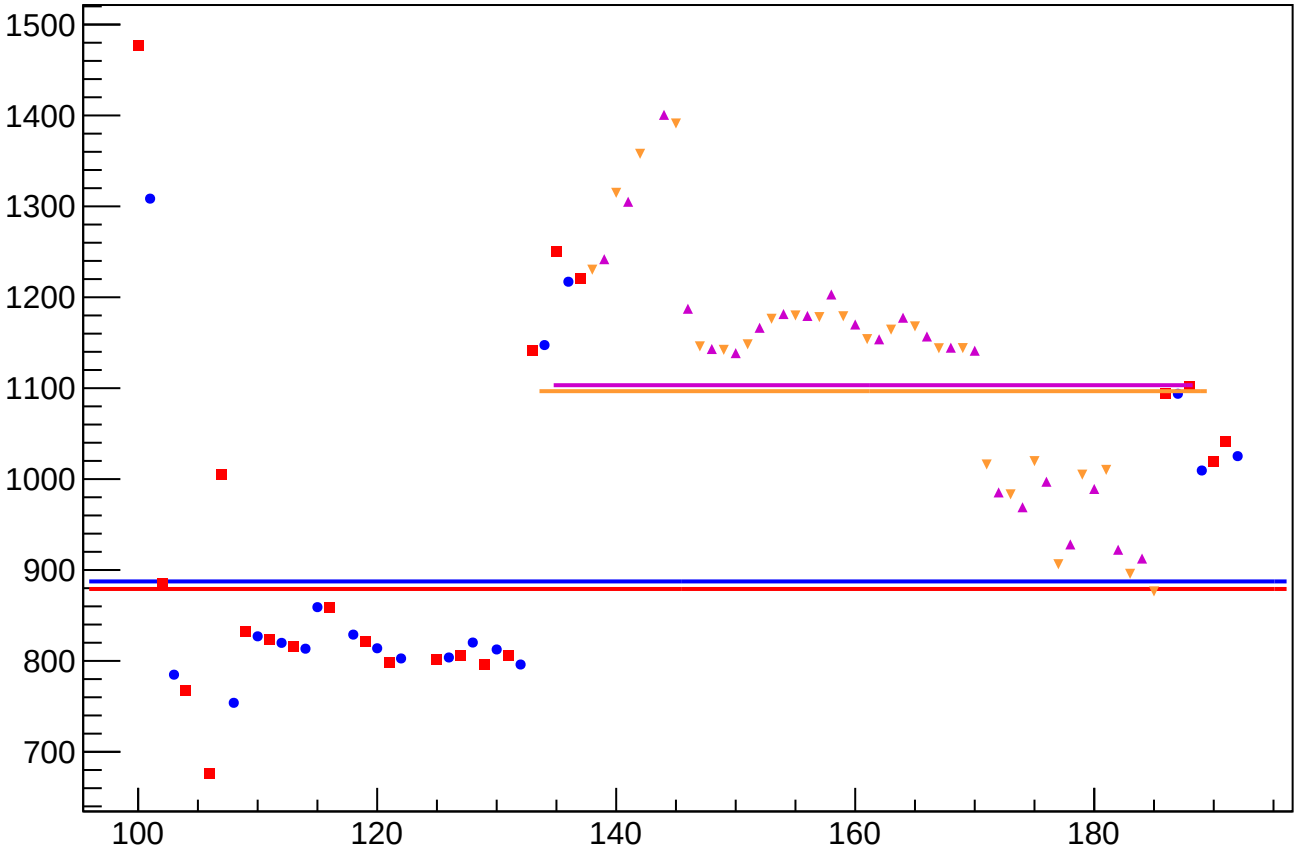
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 216.711+/-195.298 χ^2/NDF: 62.3/42

All: 233.890+/-138.105 χ^2/NDF: 103.9/87

- sign 251.072+/-195.320 χ^2/NDF: 41.5/44

reg_asym_usl_atl2_dd_rms vs Slug



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

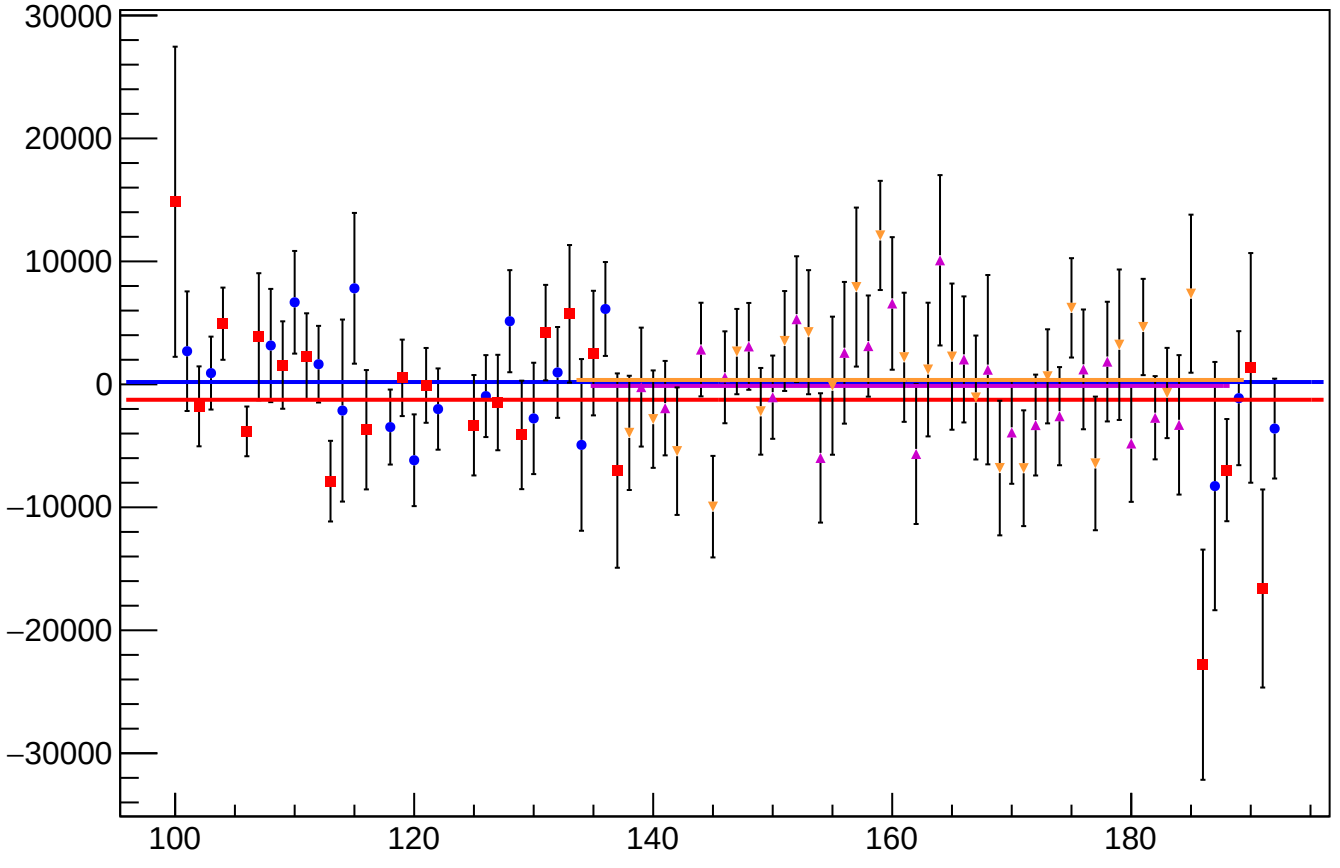
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1008.920+/-0.138 χ^2/NDF: 1521901.0/42

All: 1007.019+/-0.097 χ^2/NDF: 3088932.9/87

- sign 1005.134+/-0.137 χ^2/NDF: 1566654.3/44

asym_usl_atl2_dd_reg_correction_mean vs Slug



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

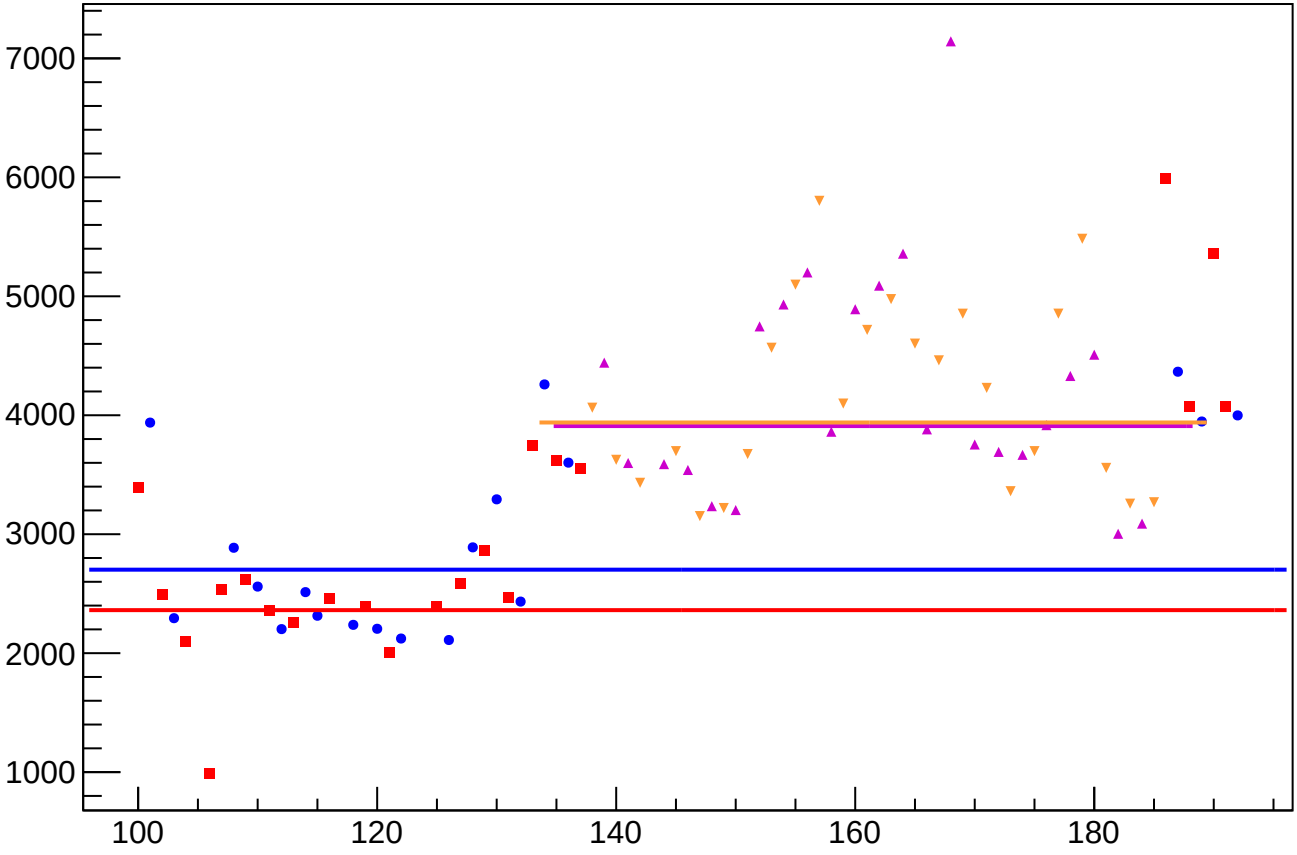
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 274.400+/-661.051 χ^2/NDF: 46.7/42

All: -269.441+/-453.104 χ^2/NDF: 93.9/87

- sign -751.355+/-622.277 χ^2/NDF: 45.9/44

asym_usl_atl2_dd_reg_correction_rms vs Slug



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

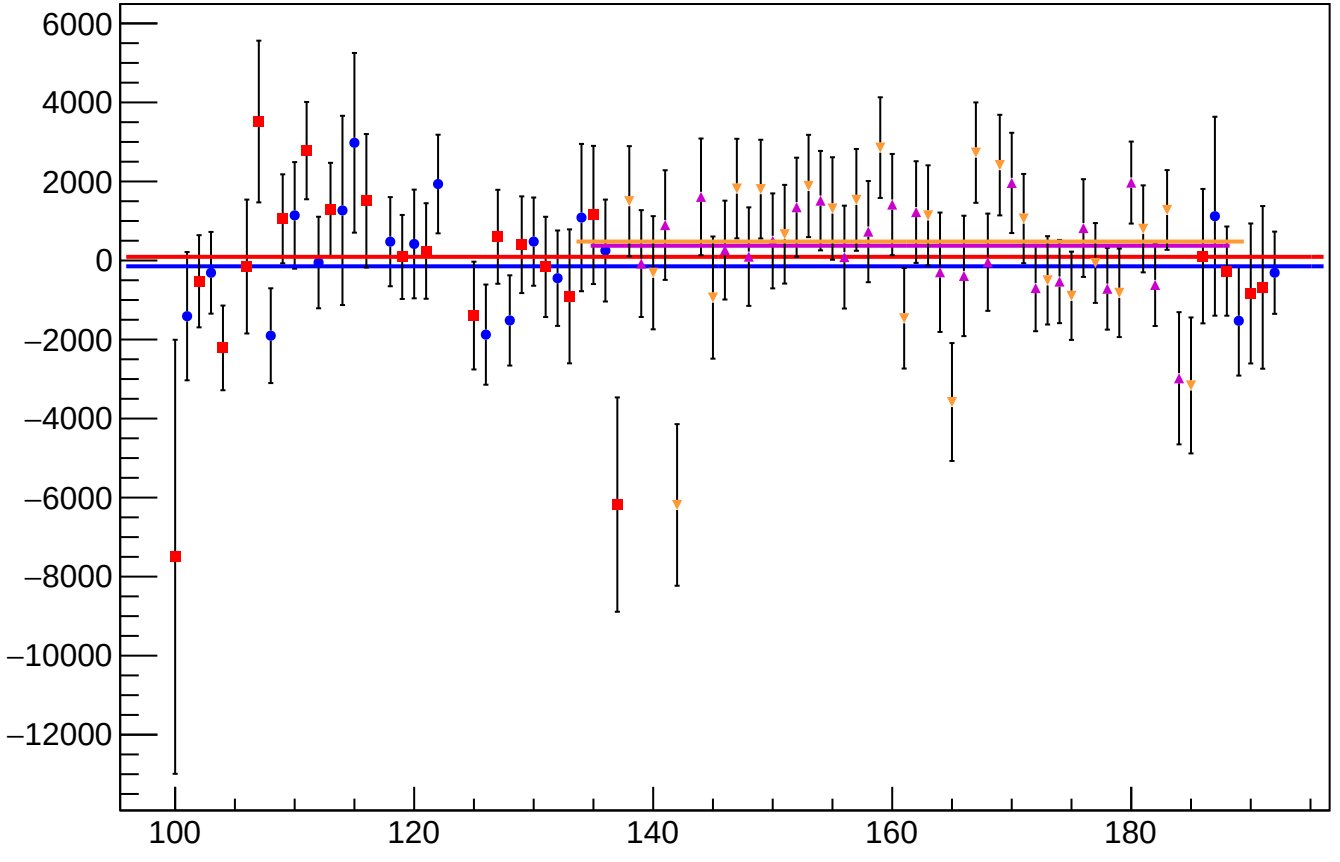
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3321.462+/-0.467 χ^2/NDF: 3905640.4/42

All: 3177.865+/-0.320 χ^2/NDF: 10698751.1/8

- sign 3050.619+/-0.440 χ^2/NDF: 6615109.4/44

cor_asym_usl_atl2_dd_mean vs Slug



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

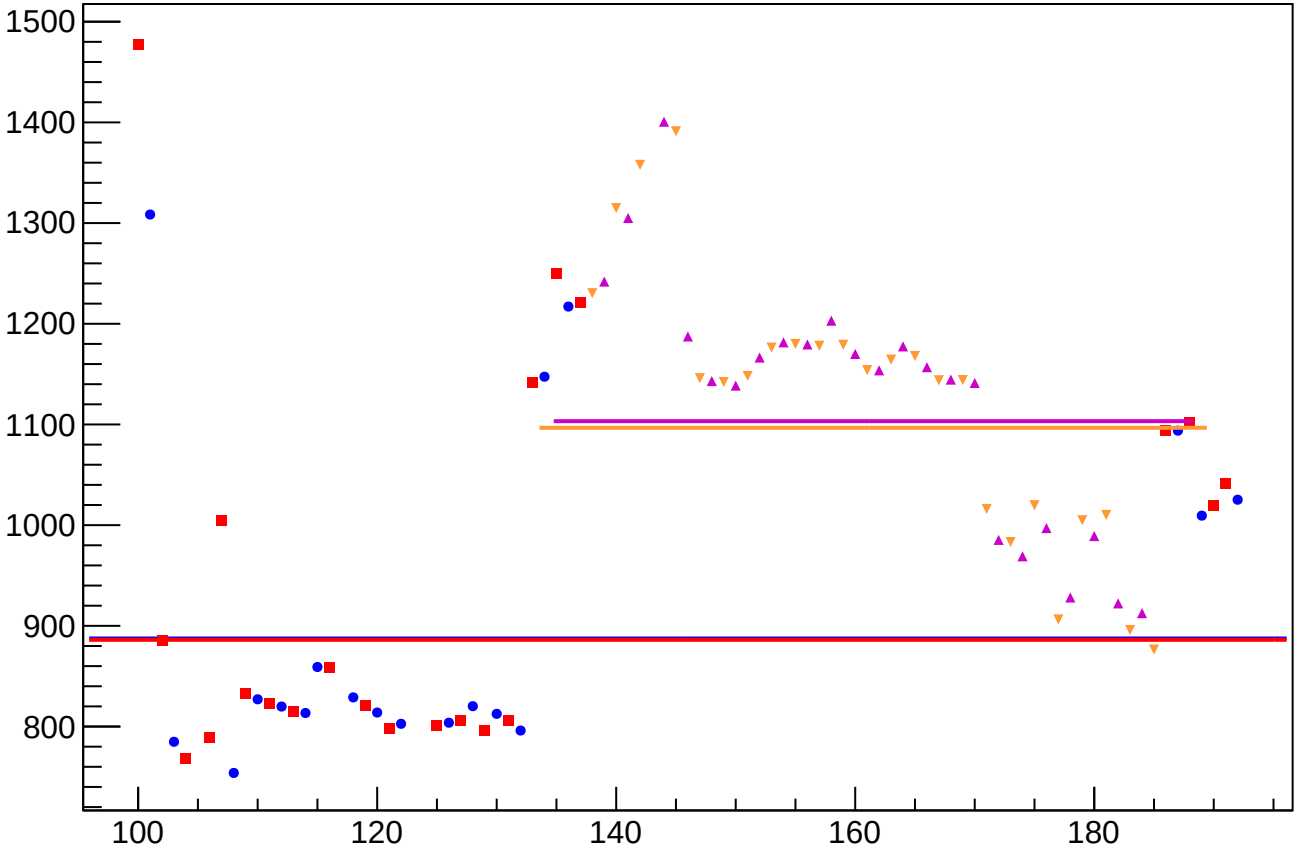
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 216.700+/-195.298 χ^2/NDF: 62.3/42

All: 234.178+/-138.105 χ^2/NDF: 103.8/87

- sign 251.660+/-195.322 χ^2/NDF: 41.5/44

cor_asym_usl_atl2_dd_rms vs Slug



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

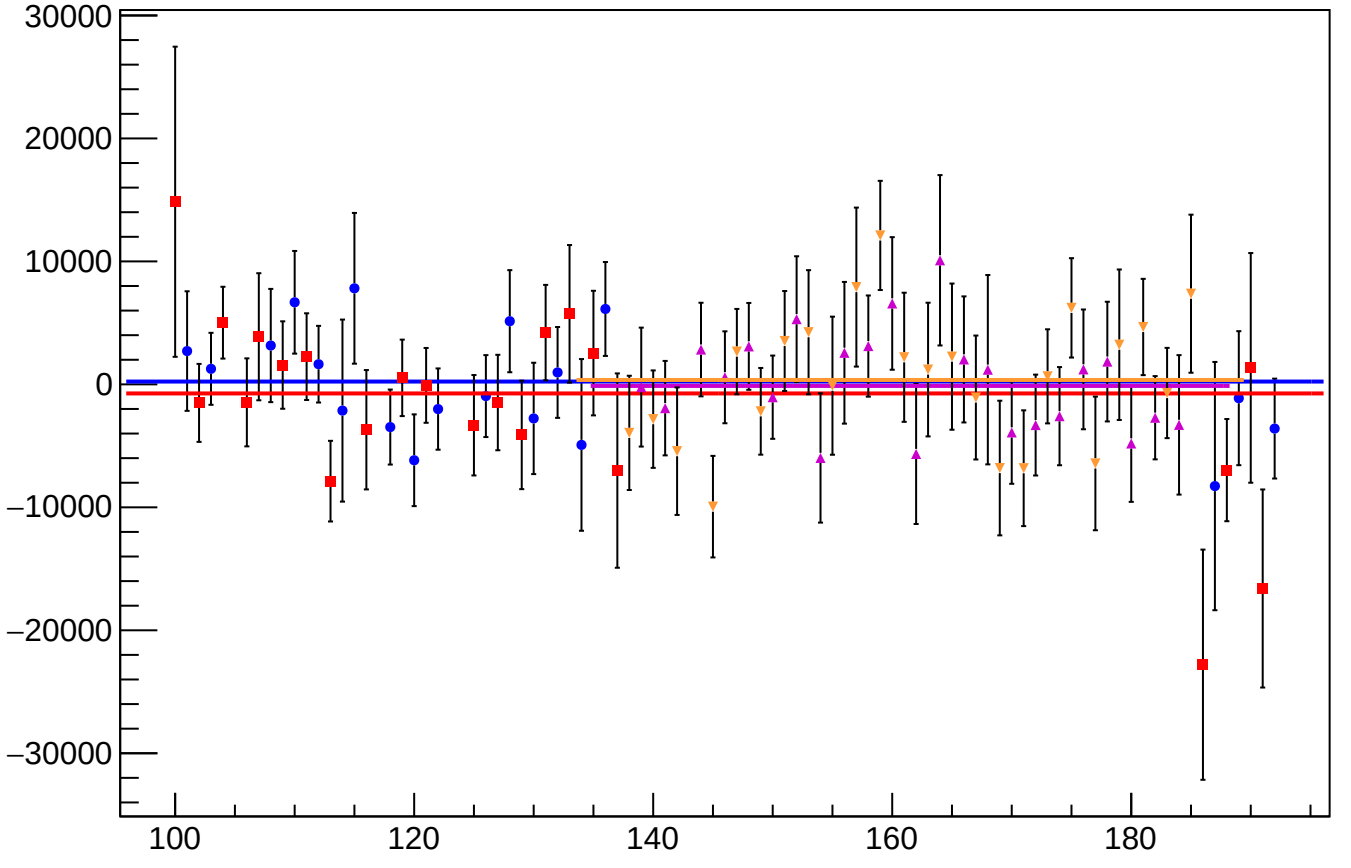
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.920+/-0.138 χ^2/NDF: 1521901.1/42

All: 1008.890+/-0.098 χ^2/NDF: 3001283.0/87

- sign 1008.859+/-0.138 χ^2/NDF: 1479381.8/44

asym_usl_atl2_dd_cor_correction_mean vs Slug



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

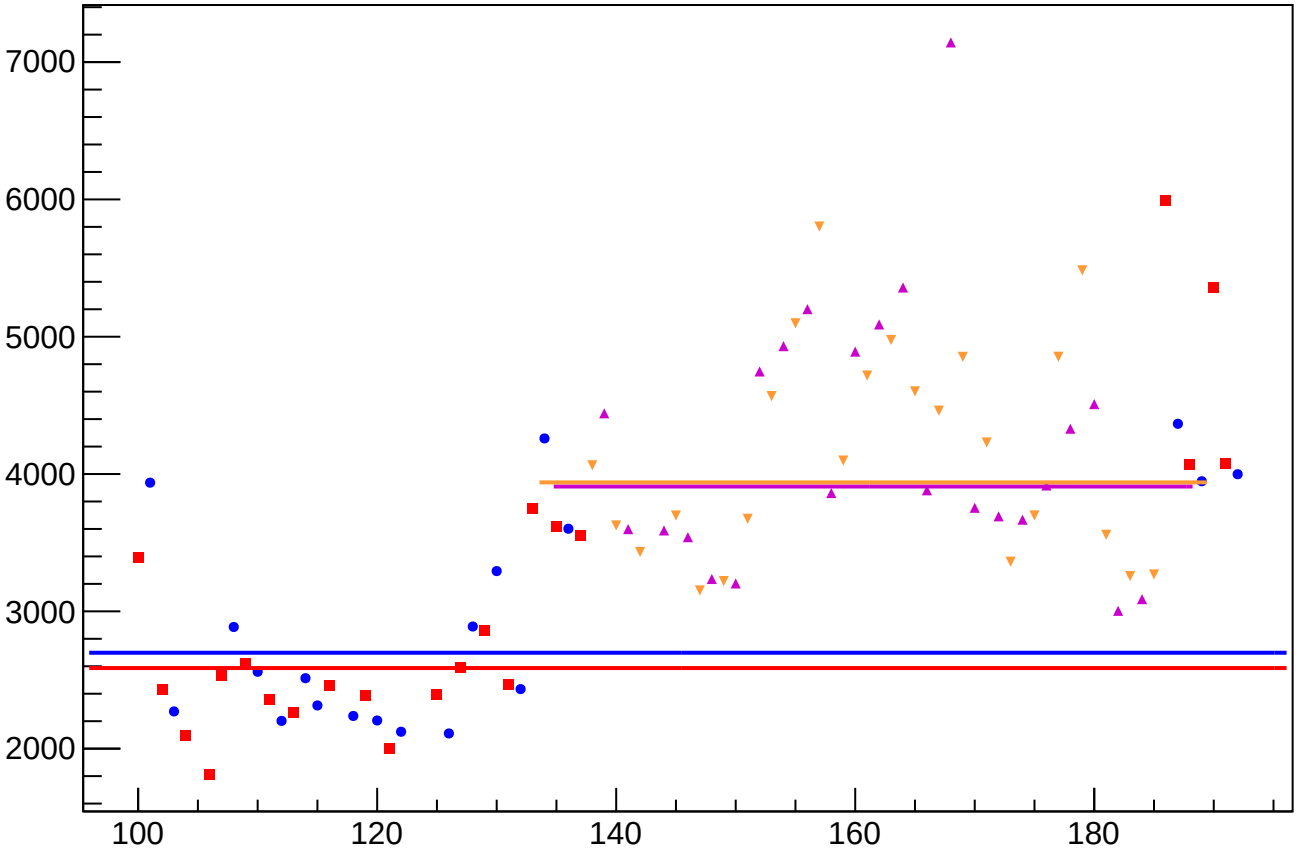
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 293.136+/-660.612 χ^2/NDF: 46.8/42

All: -87.455+/-460.611 χ^2/NDF: 90.9/87

- sign -447.538+/-642.568 χ^2/NDF: 43.5/44

asym_usl_atl2_dd_cor_correction_rms vs Slug



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

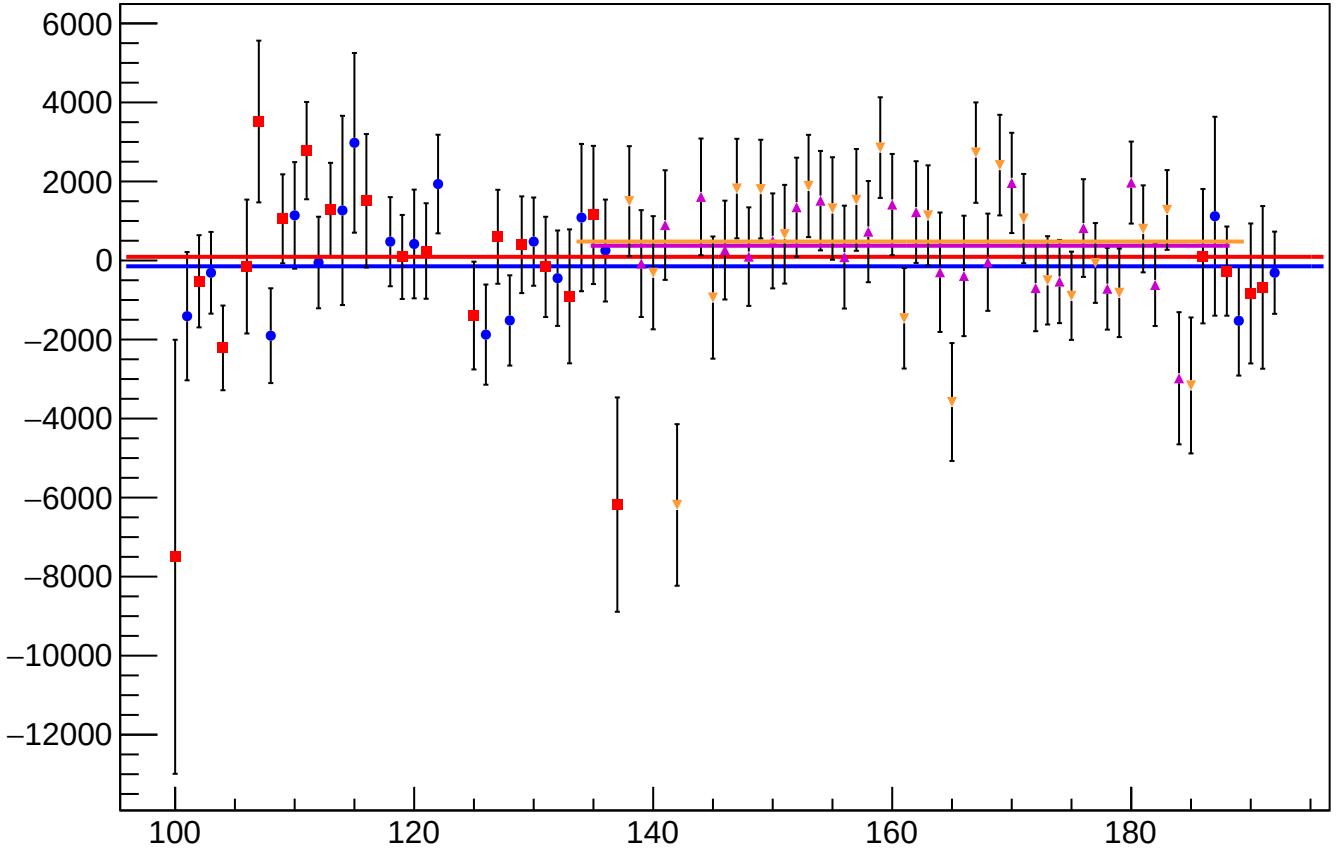
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3318.919+/-0.467 χ^2/NDF: 3923114.9/42

All: 3265.323+/-0.326 χ^2/NDF: 8613349.3/87

- sign 3214.614+/-0.454 χ^2/NDF: 4664614.5/44

eigen_cor_asym_usl_atl2_dd_mean vs Slug



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

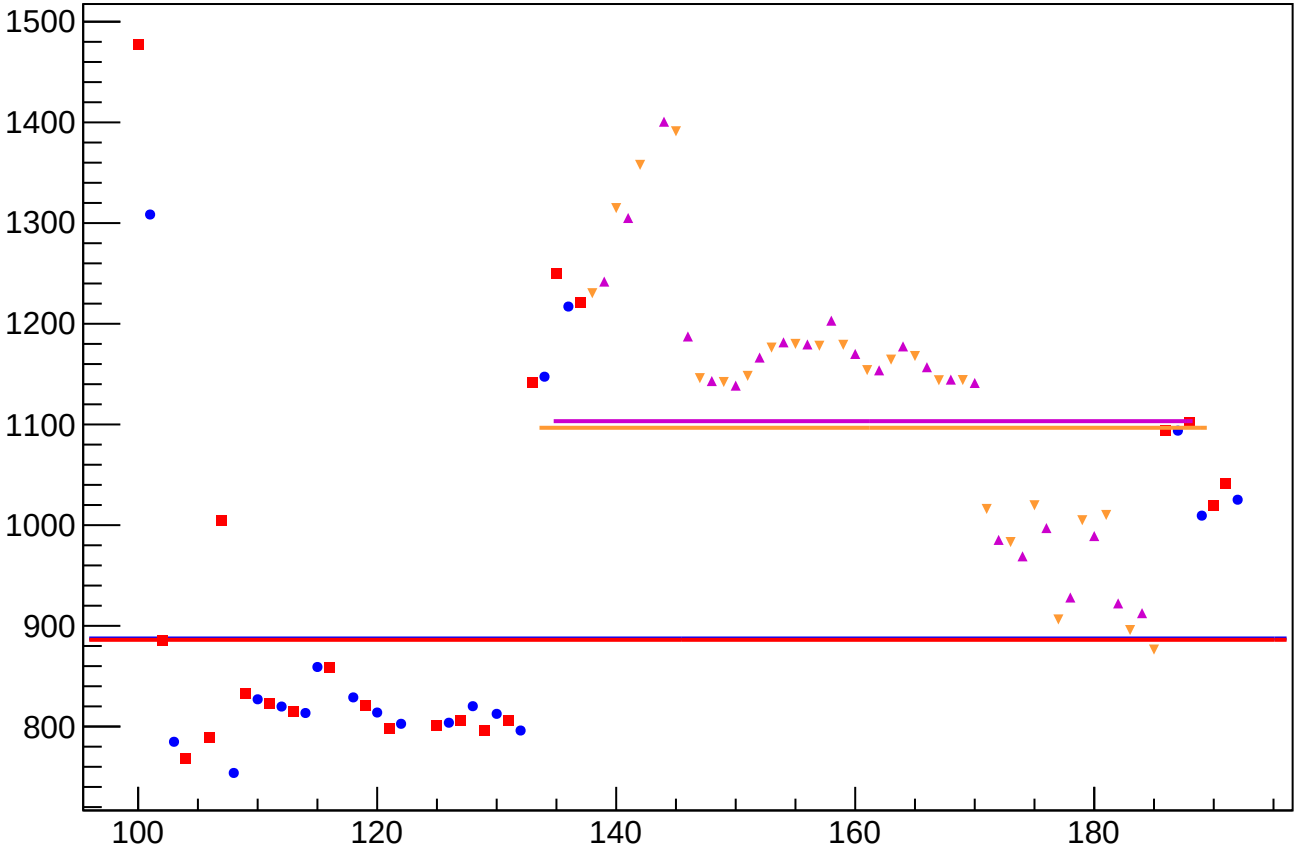
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 216.700+/-195.298 χ^2/NDF: 62.3/42

All: 234.178+/-138.105 χ^2/NDF: 103.8/87

- sign 251.660+/-195.322 χ^2/NDF: 41.5/44

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 887.438+/-0.213 χ^2/NDF: 482166.7/18

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

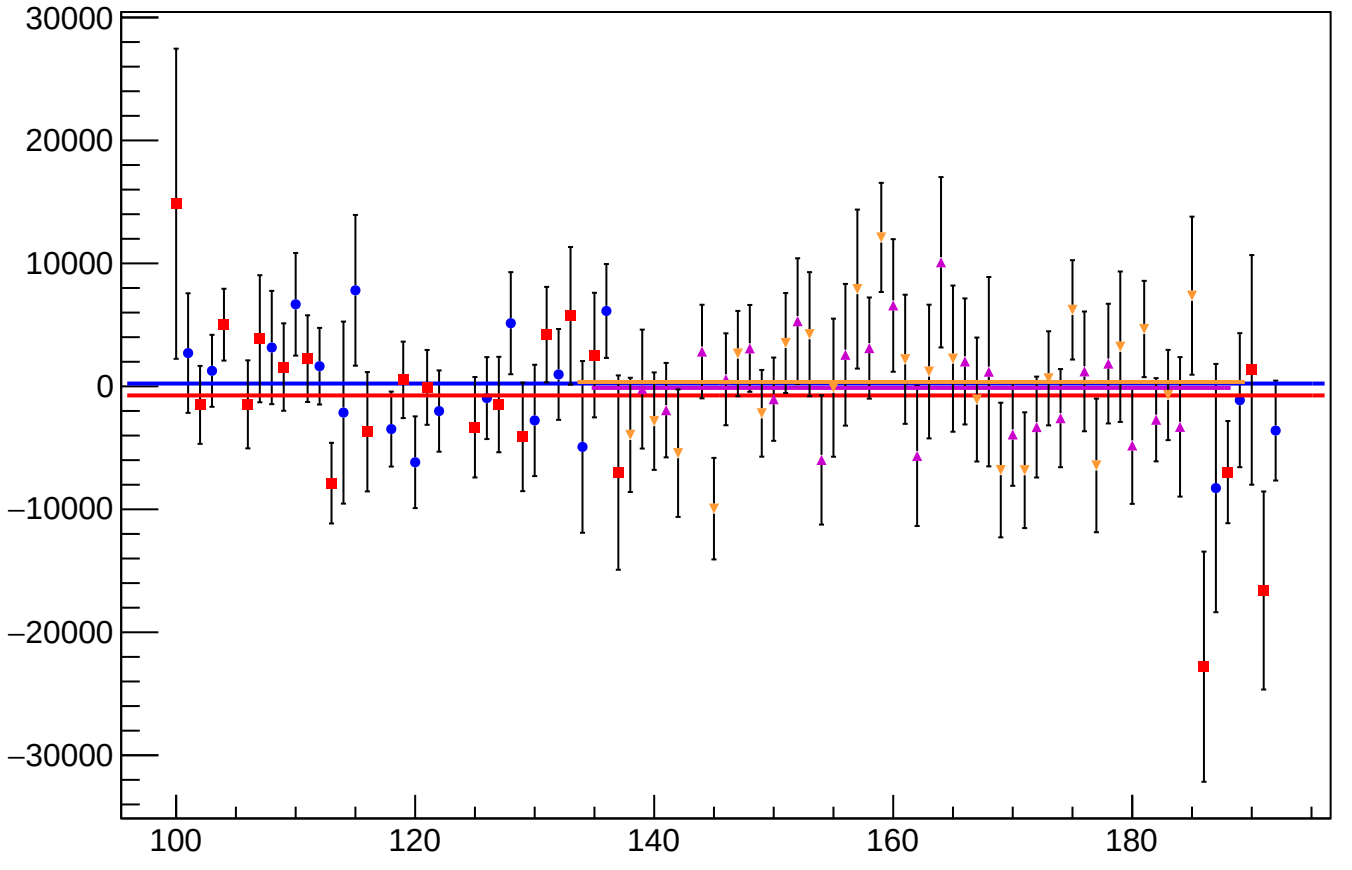
Right Out: 886.130+/-0.209 χ^2/NDF: 422012.5/21

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.920+/-0.138 χ^2/NDF: 1521901.1/42

All: 1008.890+/-0.098 χ^2/NDF: 3001283.0/87

- sign 1008.859+/-0.138 χ^2/NDF: 1479381.8/44



Right In: 228.537+/-934.273 χ^2/NDF: 16.5/18

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

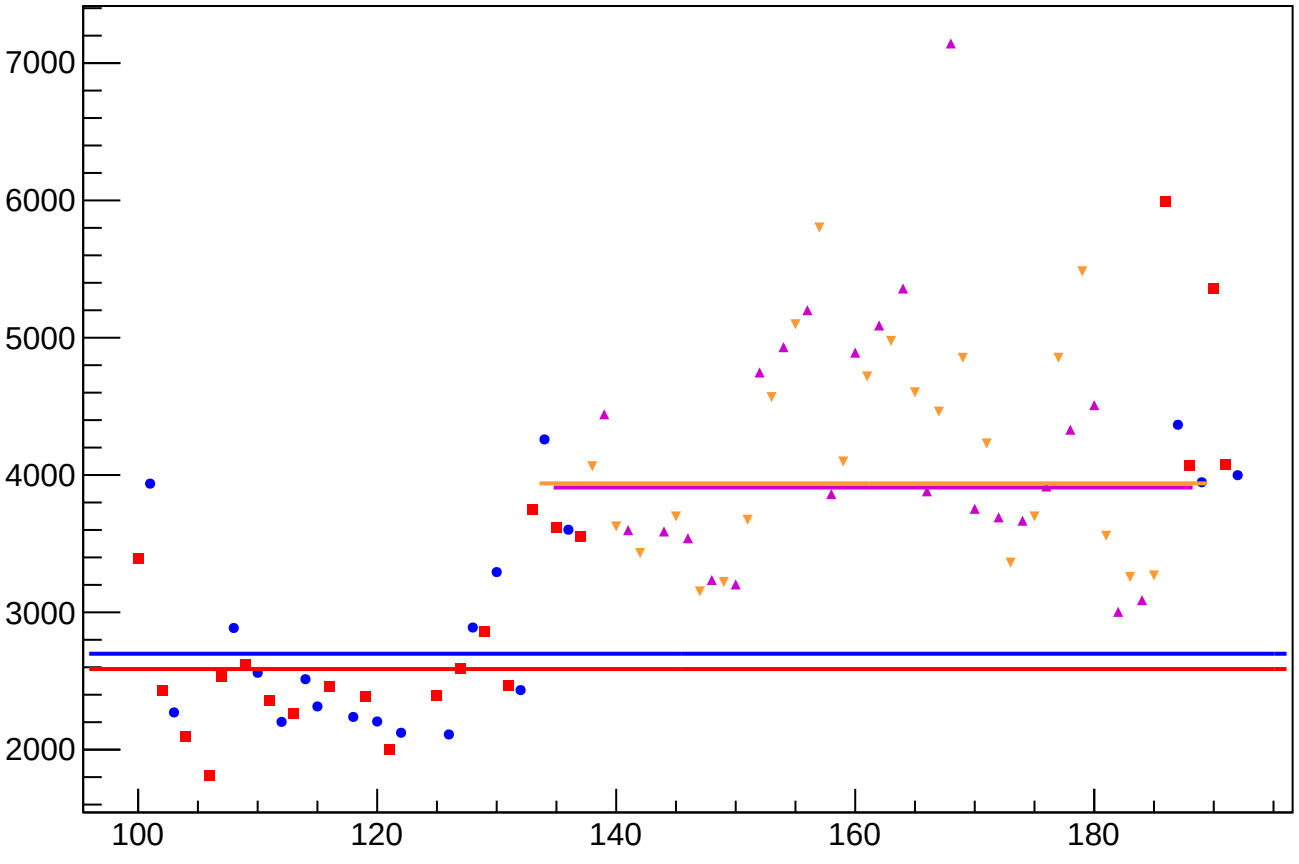
Right Out: -737.514+/-886.564 χ^2/NDF: 29.5/21

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 293.136+/-660.612 χ^2/NDF: 46.8/42

All: -87.455+/-460.611 χ^2/NDF: 90.9/87

- sign -447.538+/-642.568 χ^2/NDF: 43.5/44



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

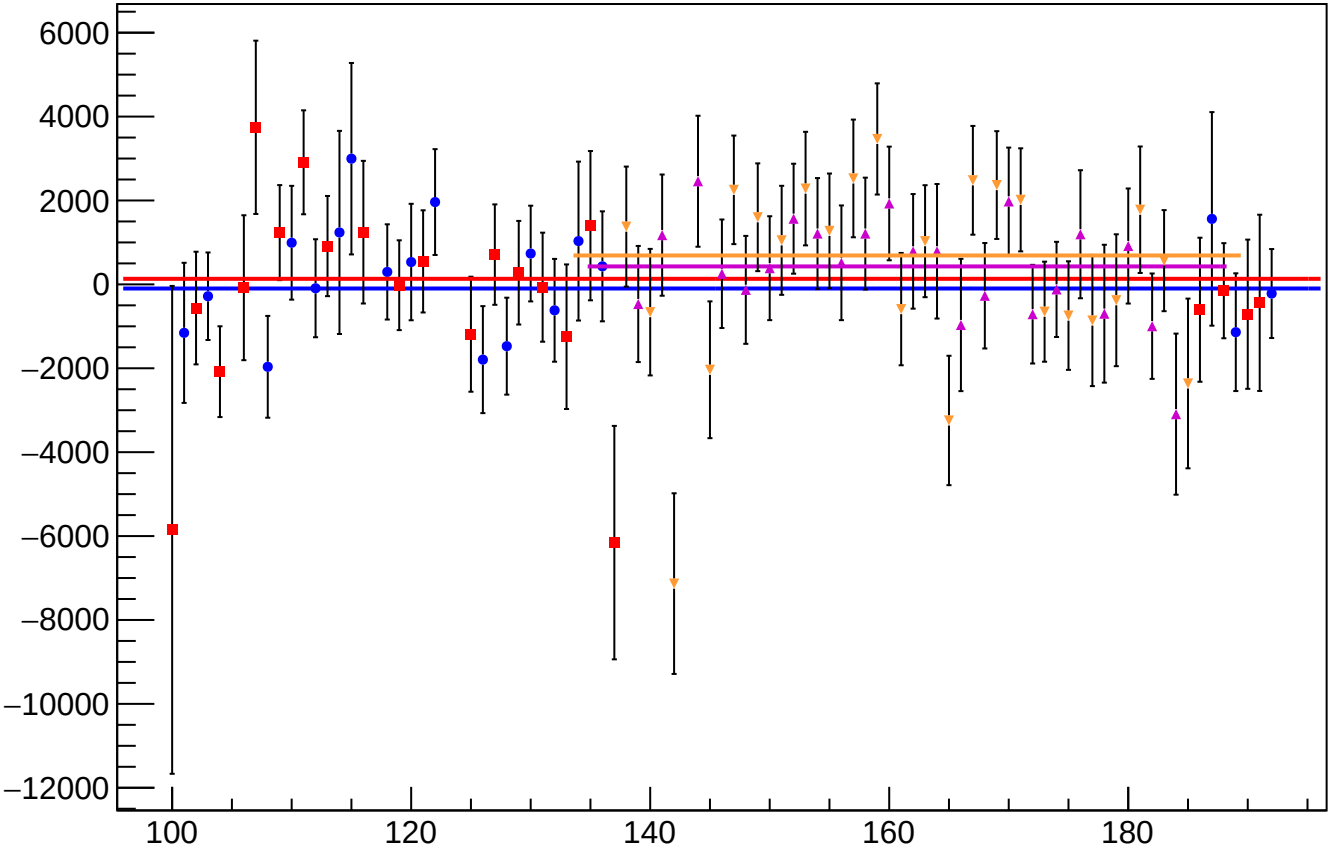
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3318.919+/-0.467 χ^2/NDF: 3923114.9/42

All: 3265.323+/-0.326 χ^2/NDF: 8613349.3/87

- sign 3214.614+/-0.454 χ^2/NDF: 4664614.5/44

dit_asym_usl_atl2_dd_mean vs Slug



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

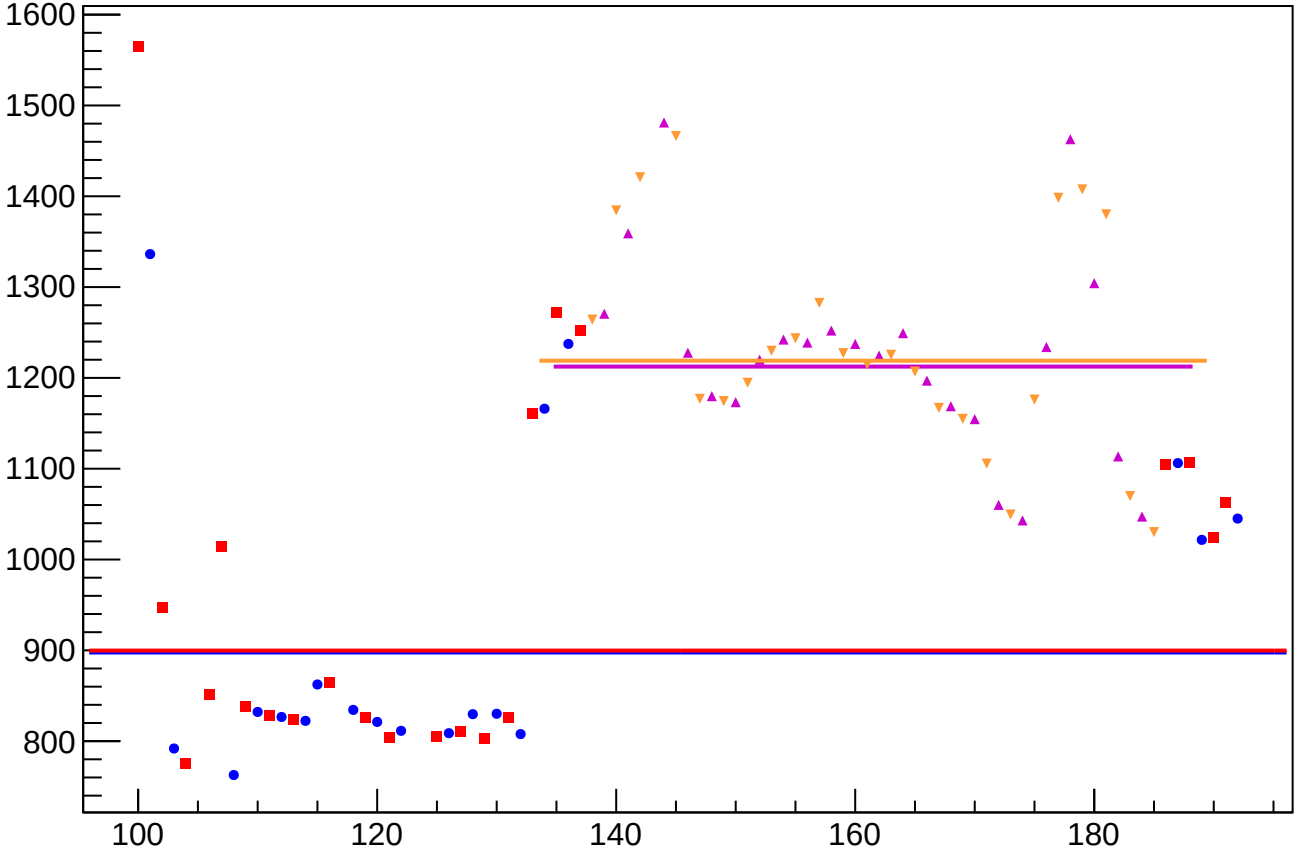
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 323.176+/-208.091 χ^2/NDF: 63.3/42

All: 306.176+/-146.789 χ^2/NDF: 102.0/87

- sign 289.338+/-207.095 χ^2/NDF: 38.7/44

dit_asym_usl_atl2_dd_rms vs Slug



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

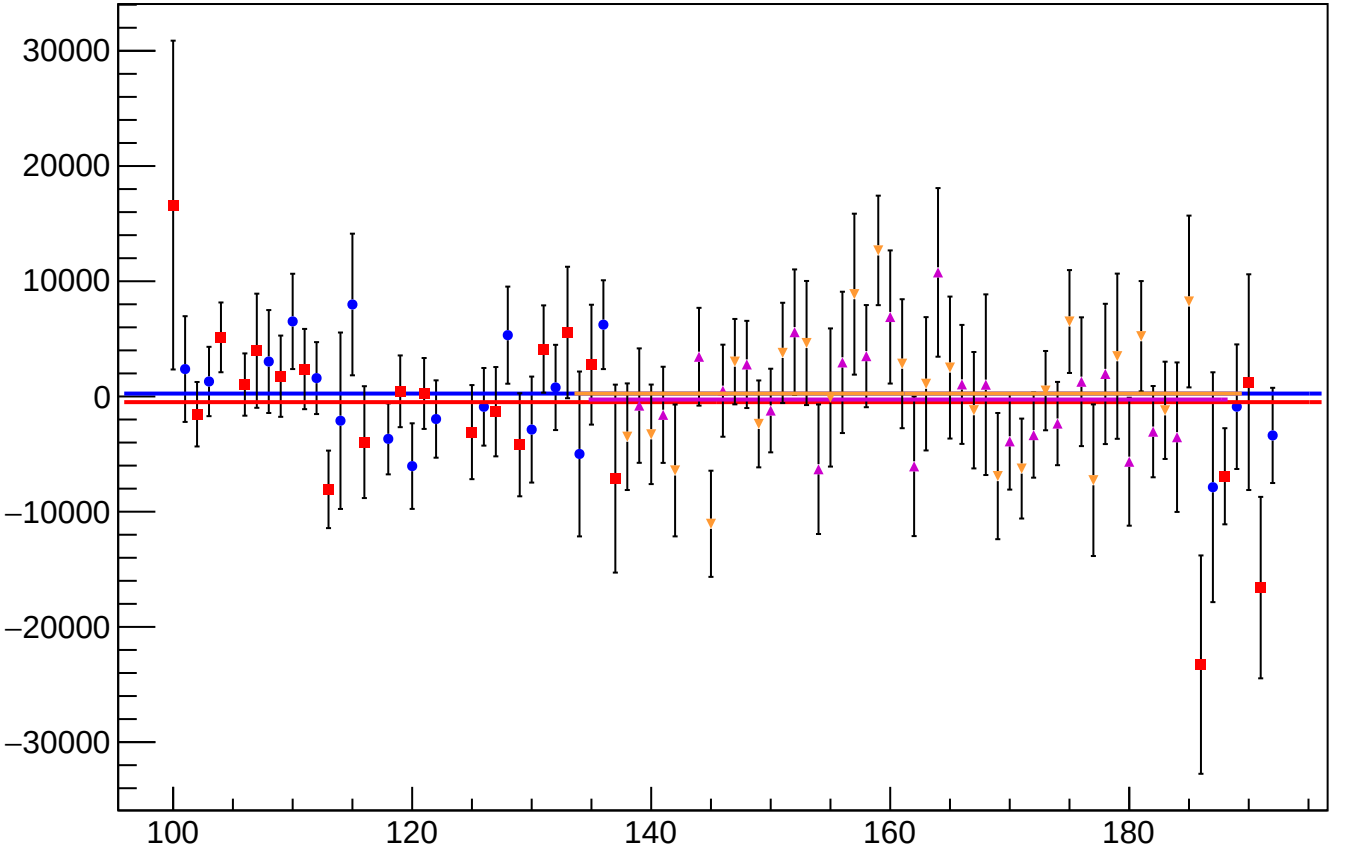
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1069.654+/-0.147 χ^2/NDF: 1975903.0/42

All: 1067.537+/-0.104 χ^2/NDF: 3801167.2/87

- sign 1065.443+/-0.146 χ^2/NDF: 1824852.5/44

asym_usl_atl2_dd_dit_correction_mean vs Slug



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

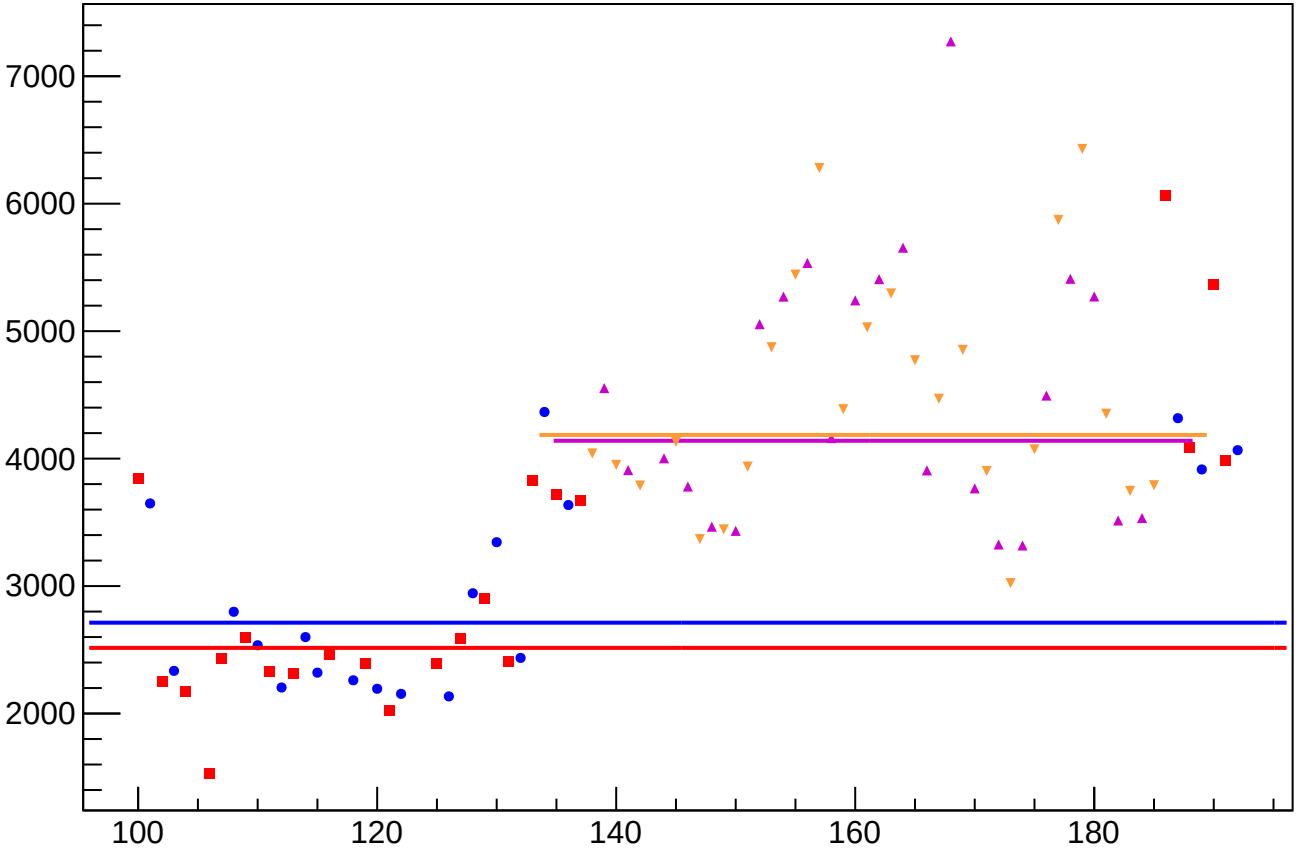
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 252.283+/-683.022 χ^2/NDF: 46.0/42

All: -87.282+/-470.847 χ^2/NDF: 90.0/87

- sign -394.772+/-649.964 χ^2/NDF: 43.6/44

asym_usl_atl2_dd_dit_correction_rms vs Slug



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

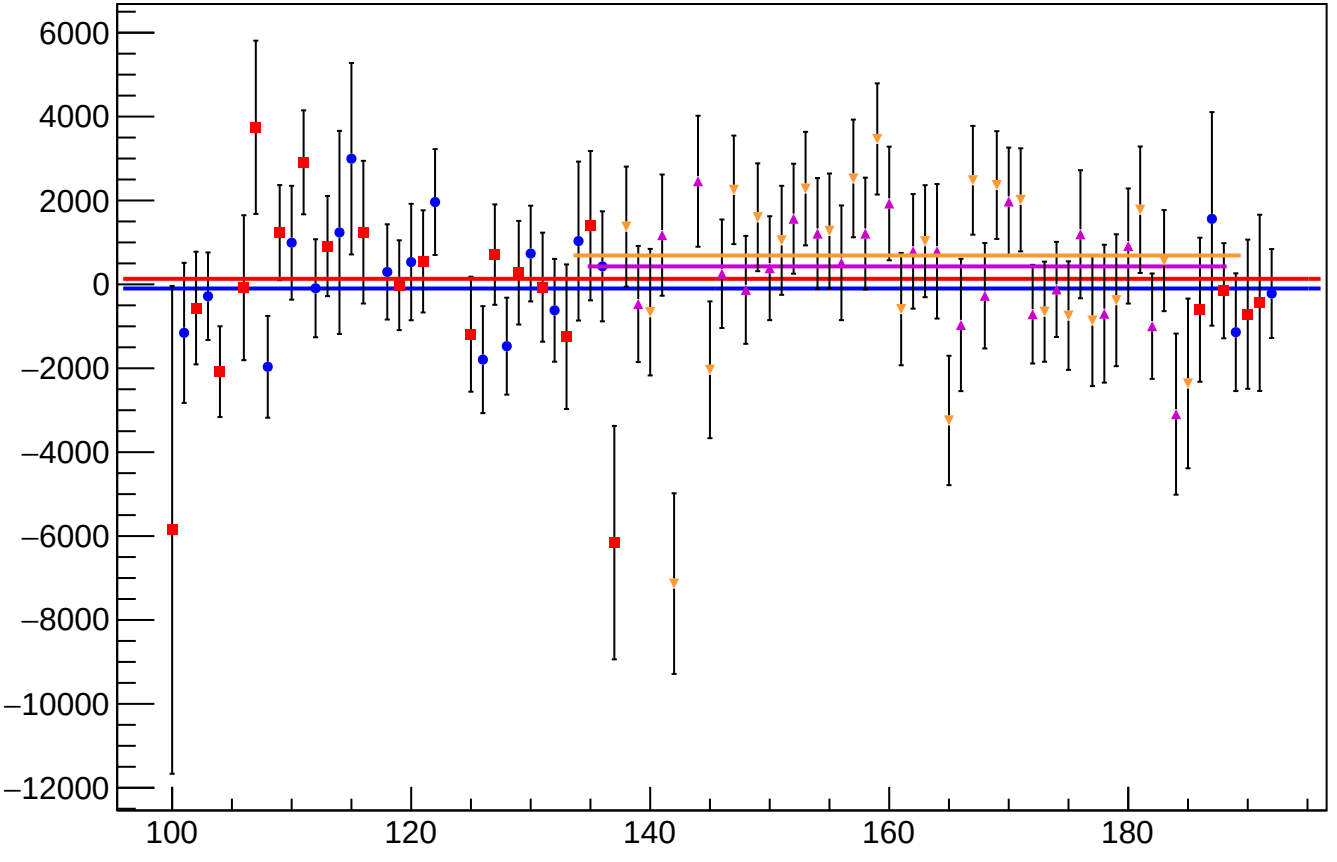
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3406.638+/-0.483 χ^2/NDF: 4606958.3/42

All: 3306.300+/-0.333 χ^2/NDF: 10691156.0/8

- sign 3215.441+/-0.460 χ^2/NDF: 6001953.7/44

eigen_dit_asym_usl_atl2_dd_mean vs Slug



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

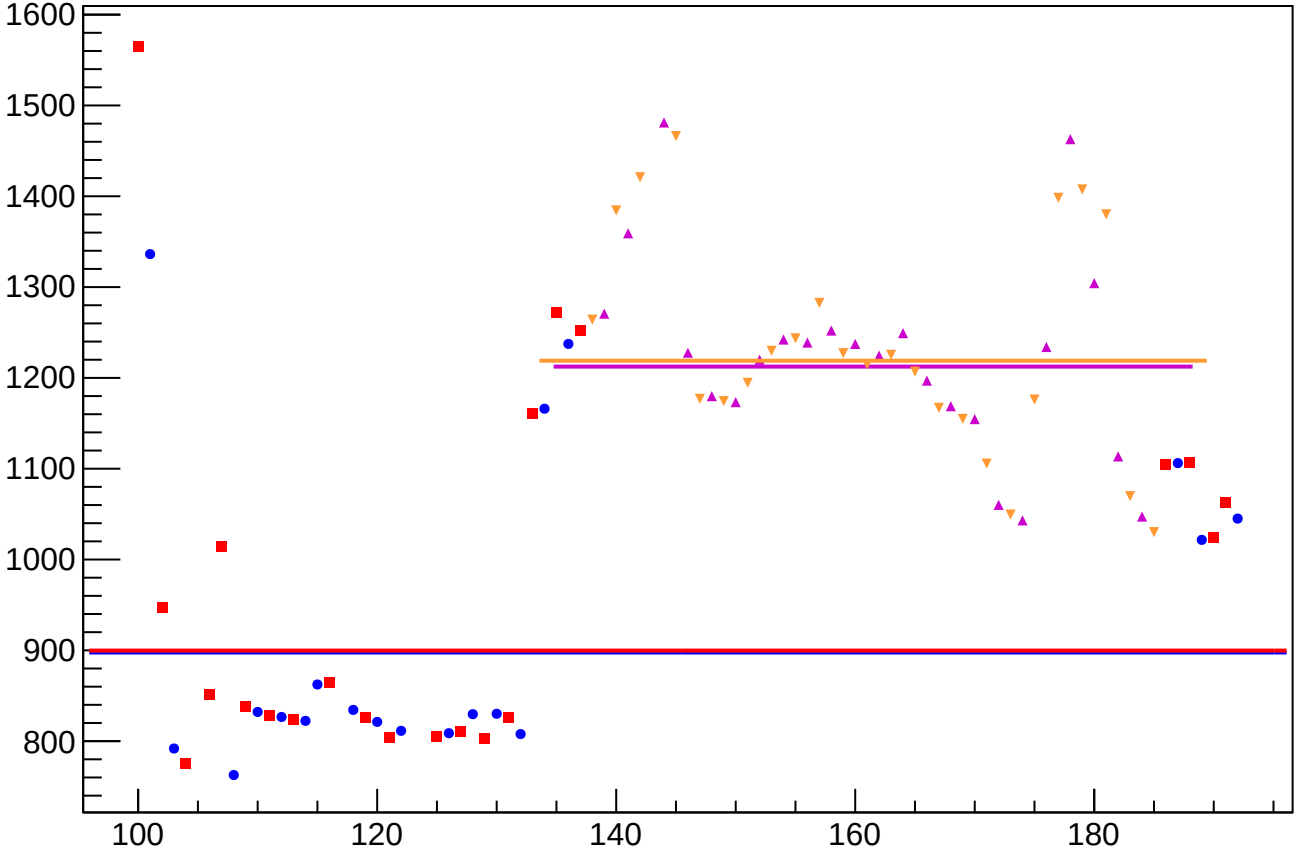
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 323.176+/-208.091 χ^2/NDF: 63.3/42

All: 306.175+/-146.789 χ^2/NDF: 102.0/87

- sign 289.338+/-207.095 χ^2/NDF: 38.7/44

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 897.627+/-0.216 χ^2/NDF: 495975.9/18

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

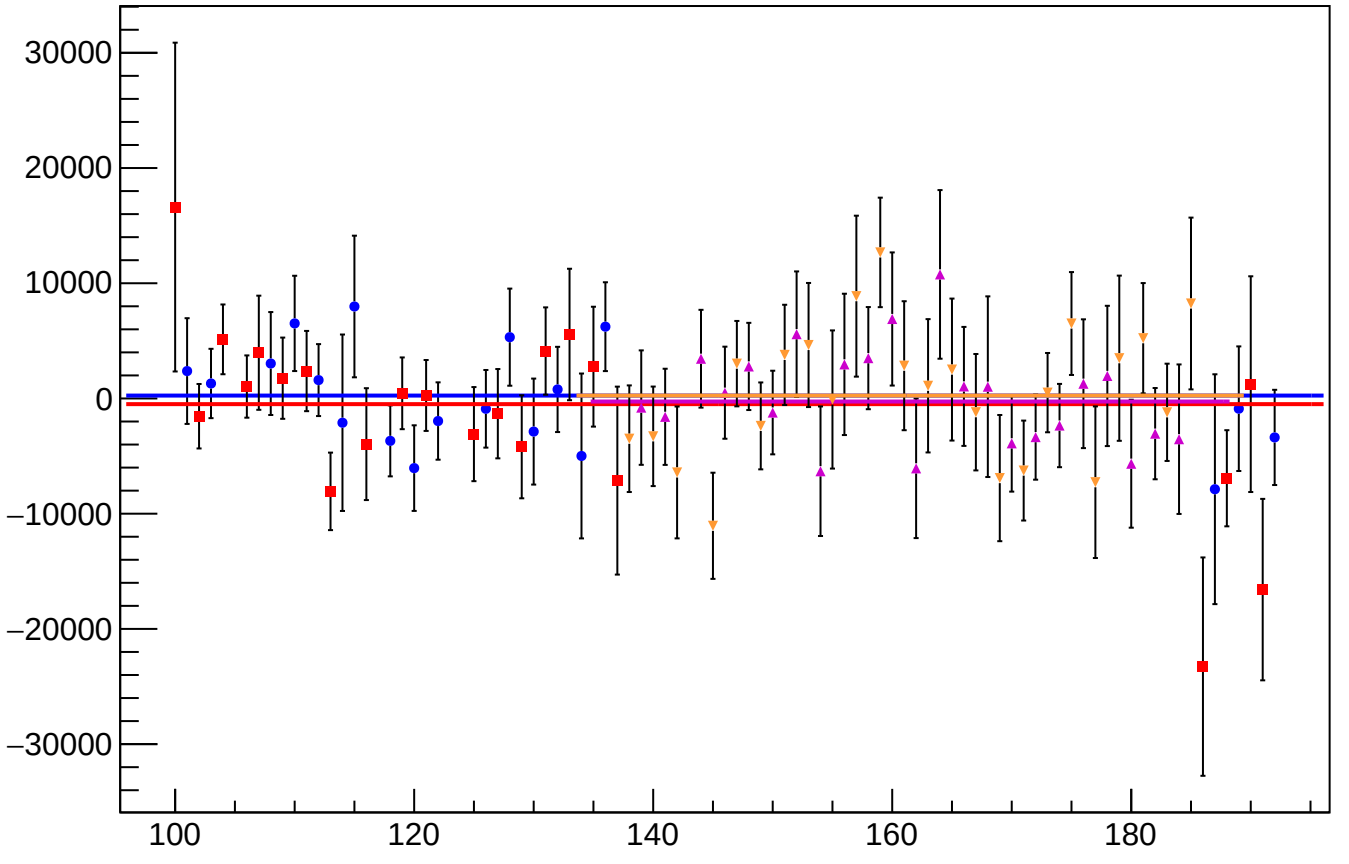
Right Out: 899.742+/-0.213 χ^2/NDF: 427722.0/21

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1069.654+/-0.147 χ^2/NDF: 1975919.8/42

All: 1067.538+/-0.104 χ^2/NDF: 3801200.5/87

- sign 1065.443+/-0.146 χ^2/NDF: 1824869.0/44



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

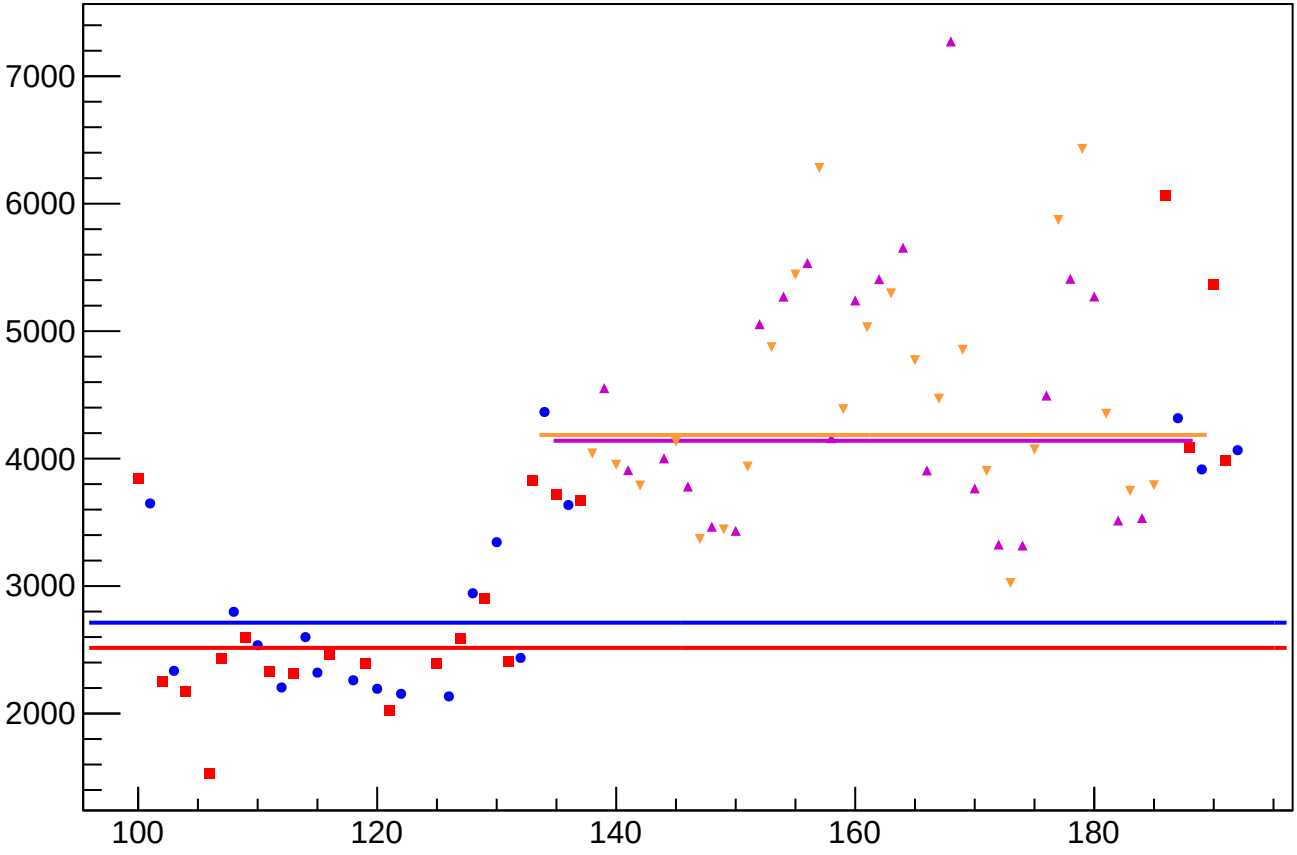
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 252.283+/-683.022 χ^2/NDF: 46.0/42

All: -87.281+/-470.847 χ^2/NDF: 90.0/87

- sign -394.770+/-649.964 χ^2/NDF: 43.6/44

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



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

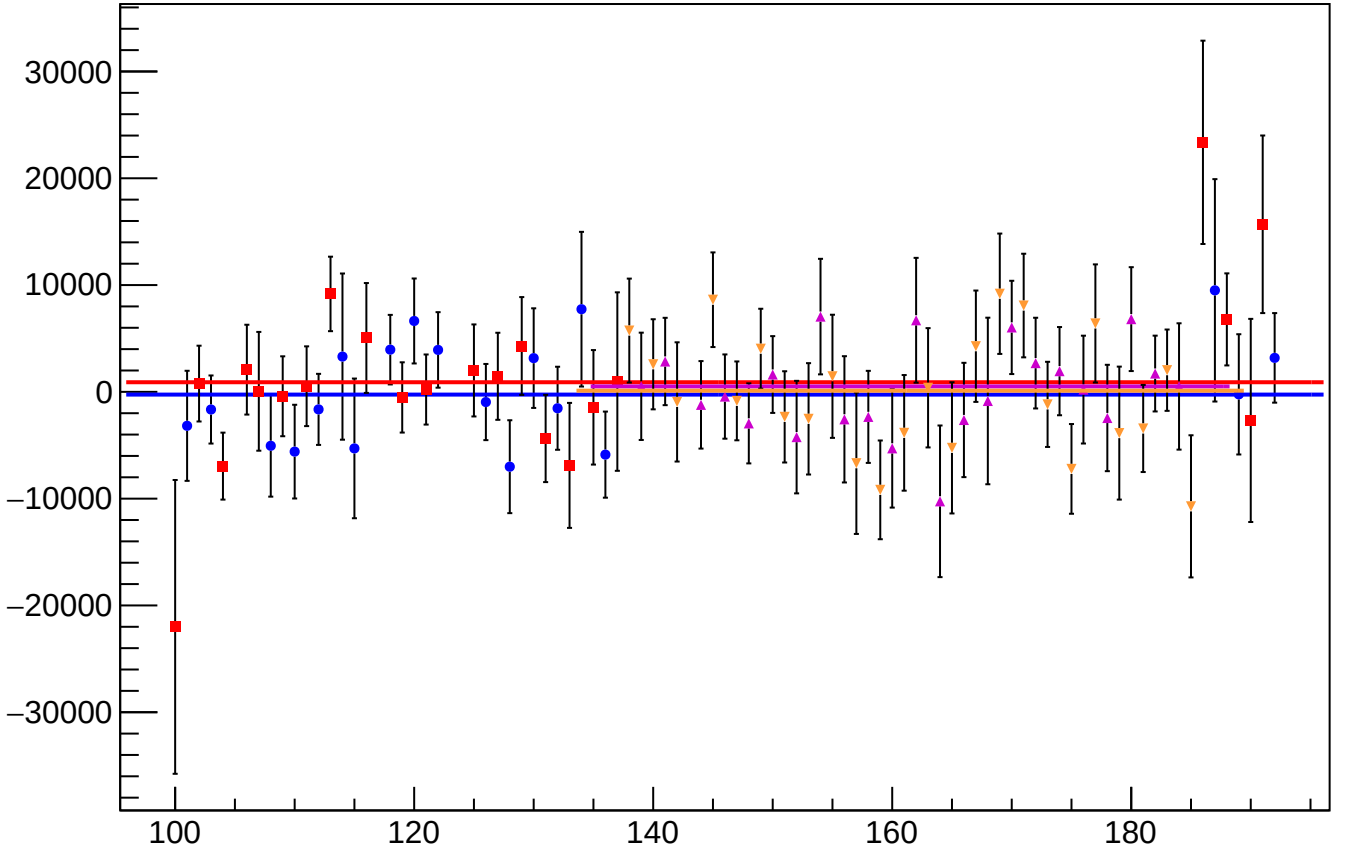
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3406.634+/-0.483 χ^2/NDF: 4607024.2/42

All: 3306.296+/-0.333 χ^2/NDF: 10691287.5/8

- sign 3215.436+/-0.460 χ^2/NDF: 6002018.9/44

asym_usl_atl2_dd_mean vs Slug



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

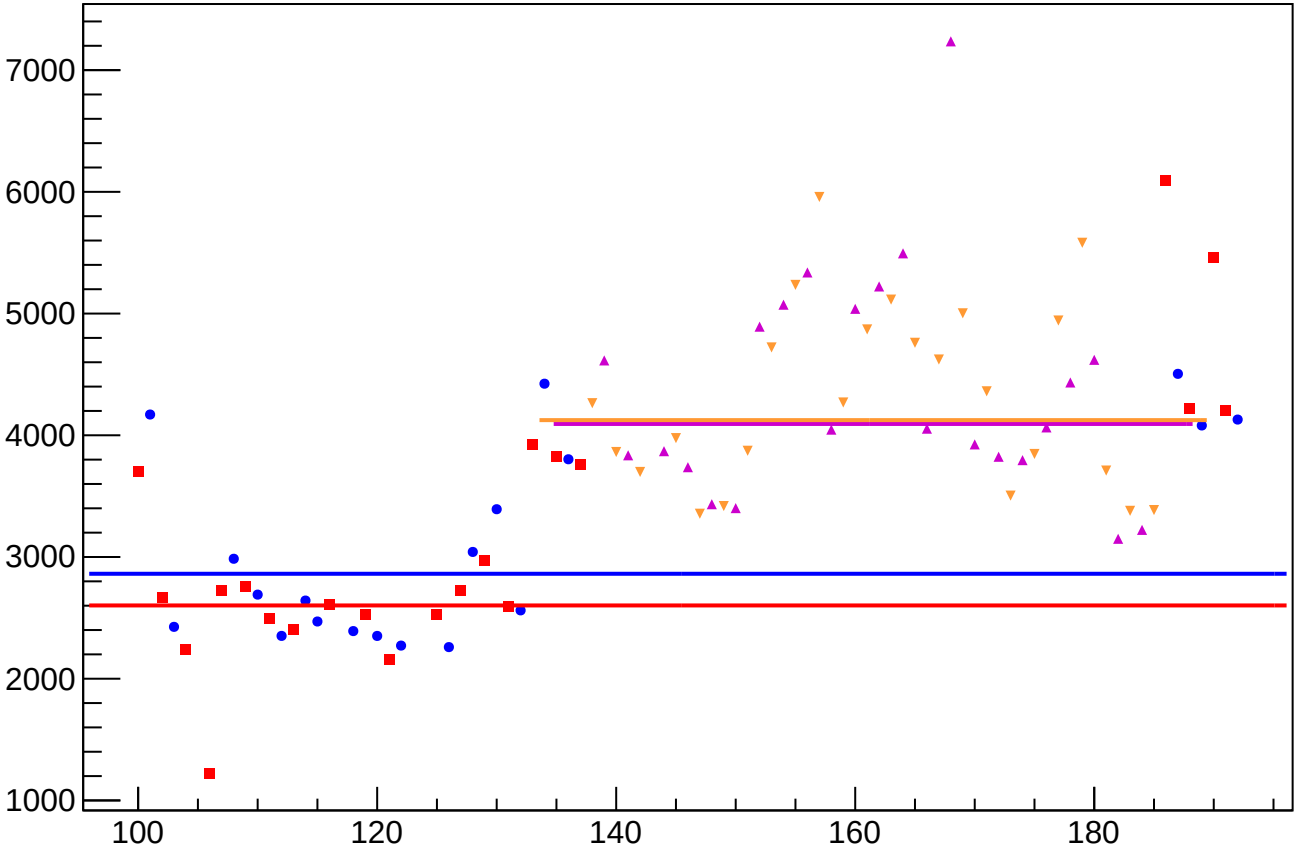
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign -71.089+/-694.665 χ^2/NDF: 46.0/42

All: 328.359+/-485.642 χ^2/NDF: 91.0/87

- sign 710.219+/-679.200 χ^2/NDF: 44.4/44

asym_usl_atl2_dd_rms vs Slug



Right In: 2862.201+/-0.700 χ^2/NDF: 983246.0/18

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

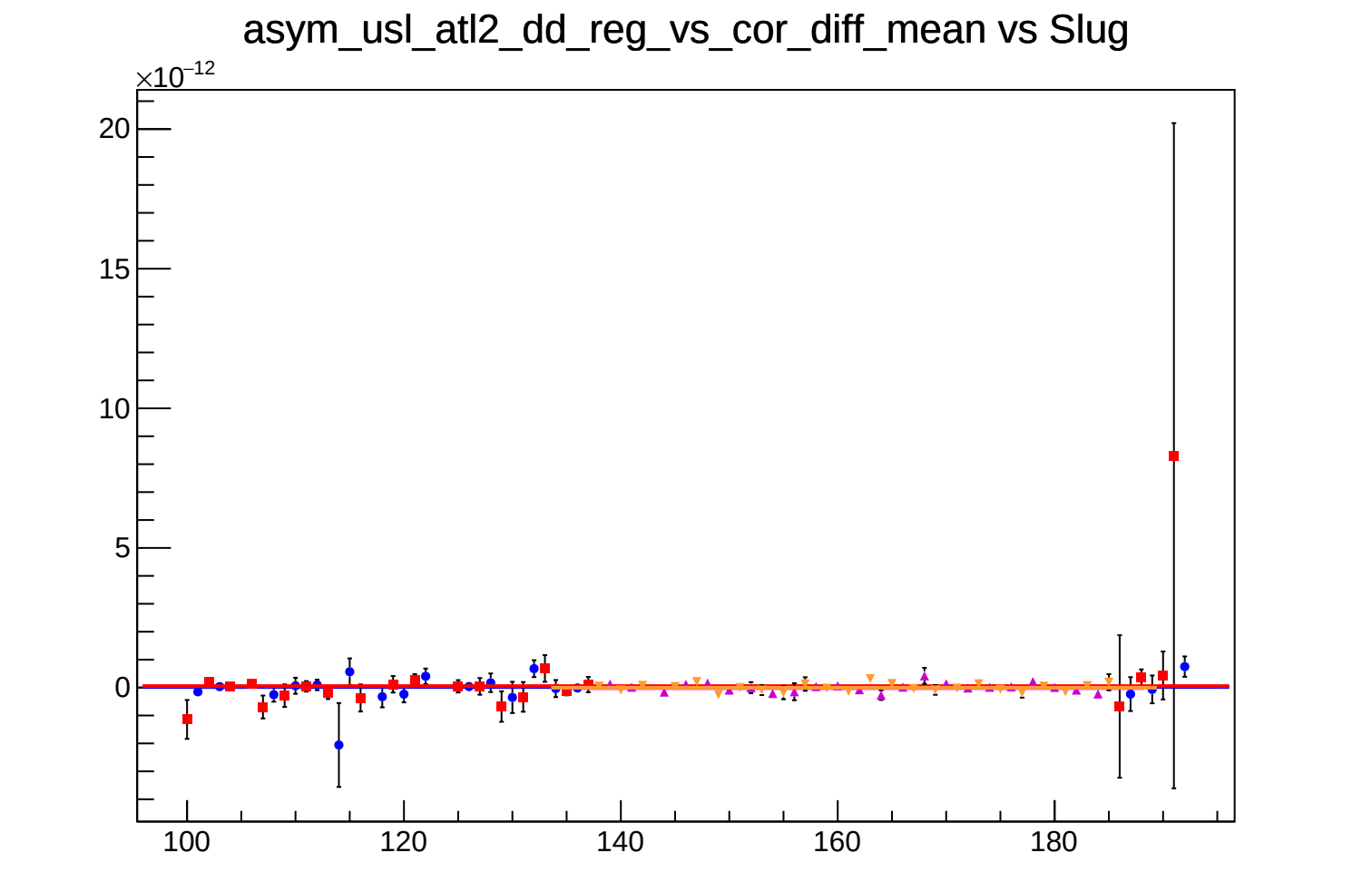
Right Out: 2601.999+/-0.642 χ^2/NDF: 1756116.7/21

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3502.178+/-0.491 χ^2/NDF: 3603802.5/42

All: 3393.760+/-0.339 χ^2/NDF: 9124733.0/87

- sign 3294.705+/-0.470 χ^2/NDF: 5427702.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

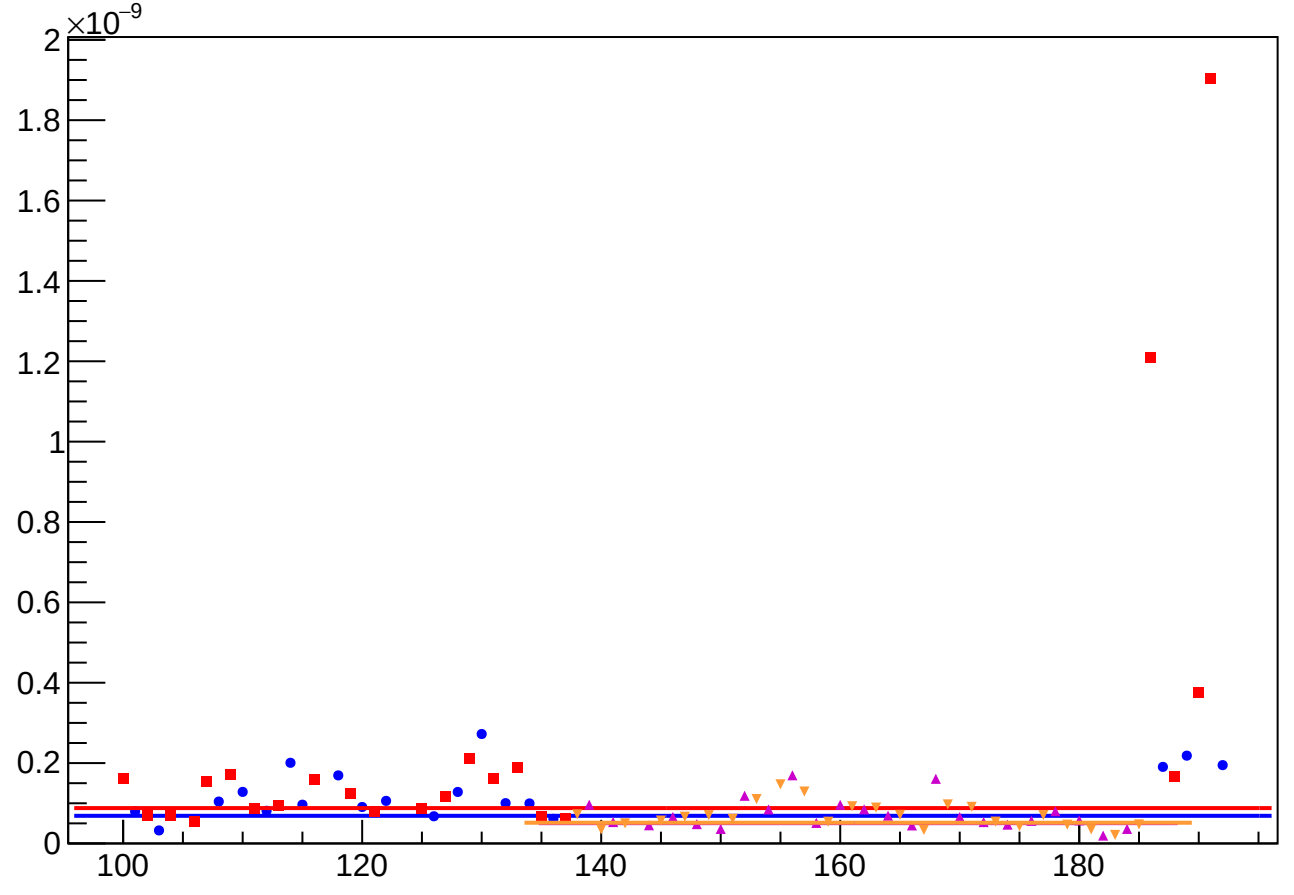
Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/21

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.1/42

All: -0.000+/-0.000 χ^2/NDF: 90.4/87

- sign -0.000+/-0.000 χ^2/NDF: 46.2/44



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

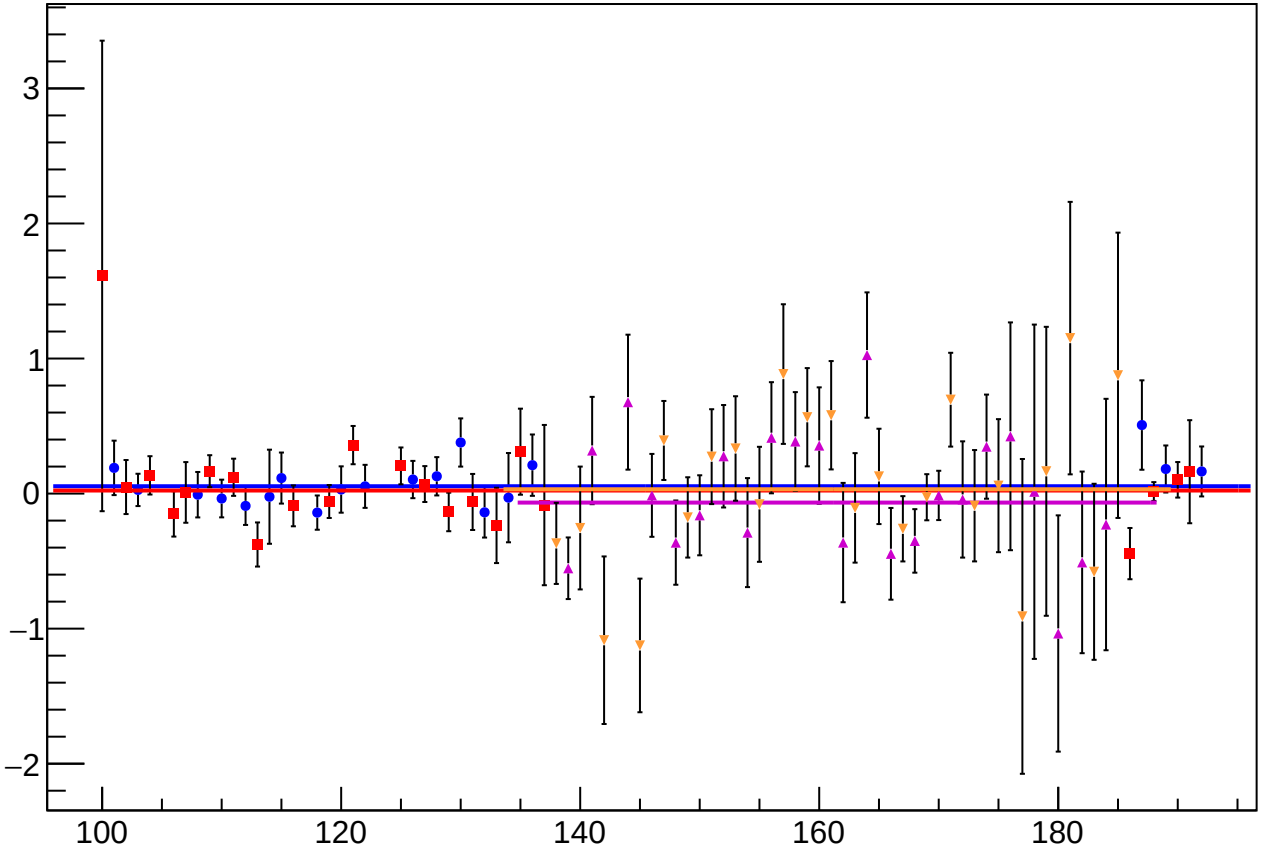
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 4256137.5/42

All: 0.000+/-0.000 χ^2/NDF: 9075450.6/87

- sign 0.000+/-0.000 χ^2/NDF: 4816767.8/44

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



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

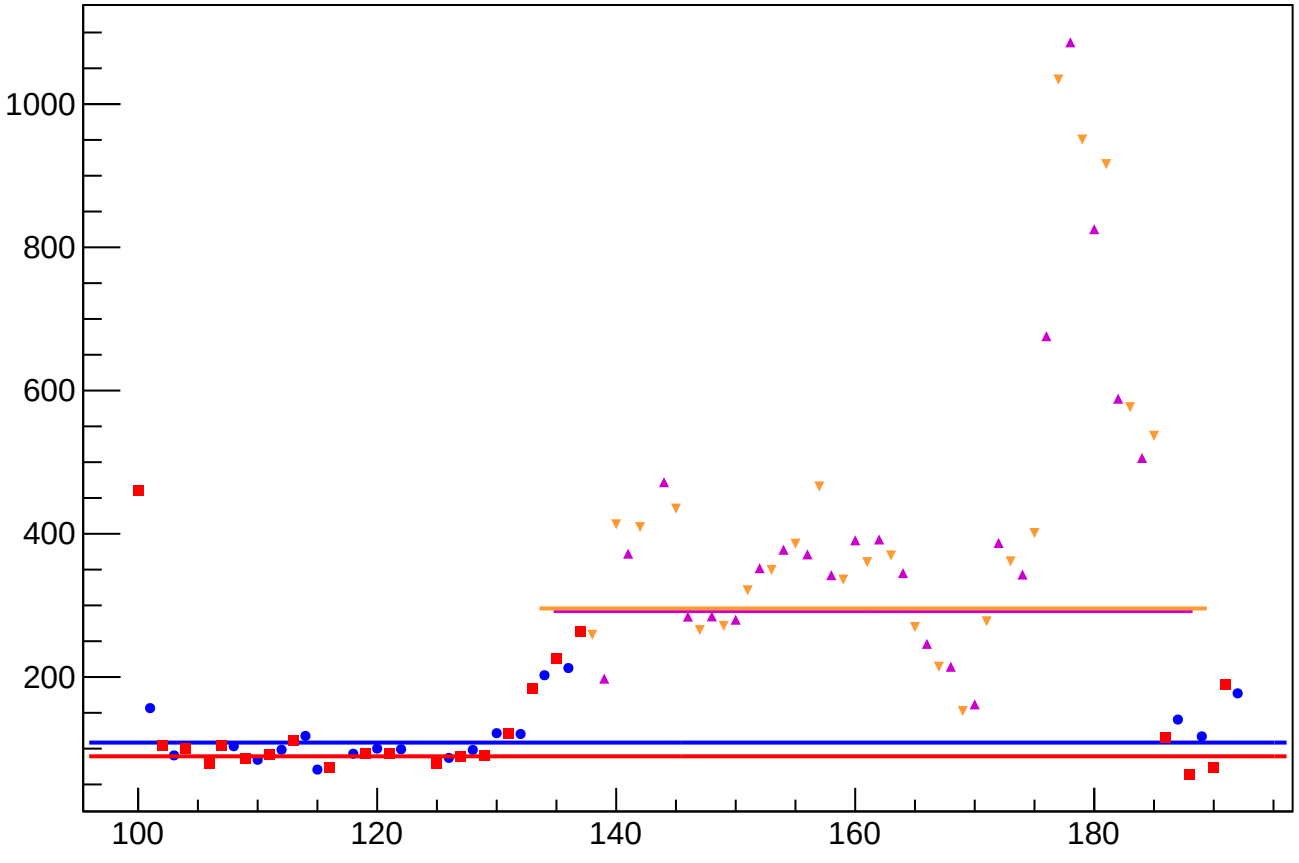
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.050+/-0.035 χ^2/NDF: 42.5/42

All: 0.026+/-0.022 χ^2/NDF: 99.0/87

- sign 0.009+/-0.030 χ^2/NDF: 55.6/44

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



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

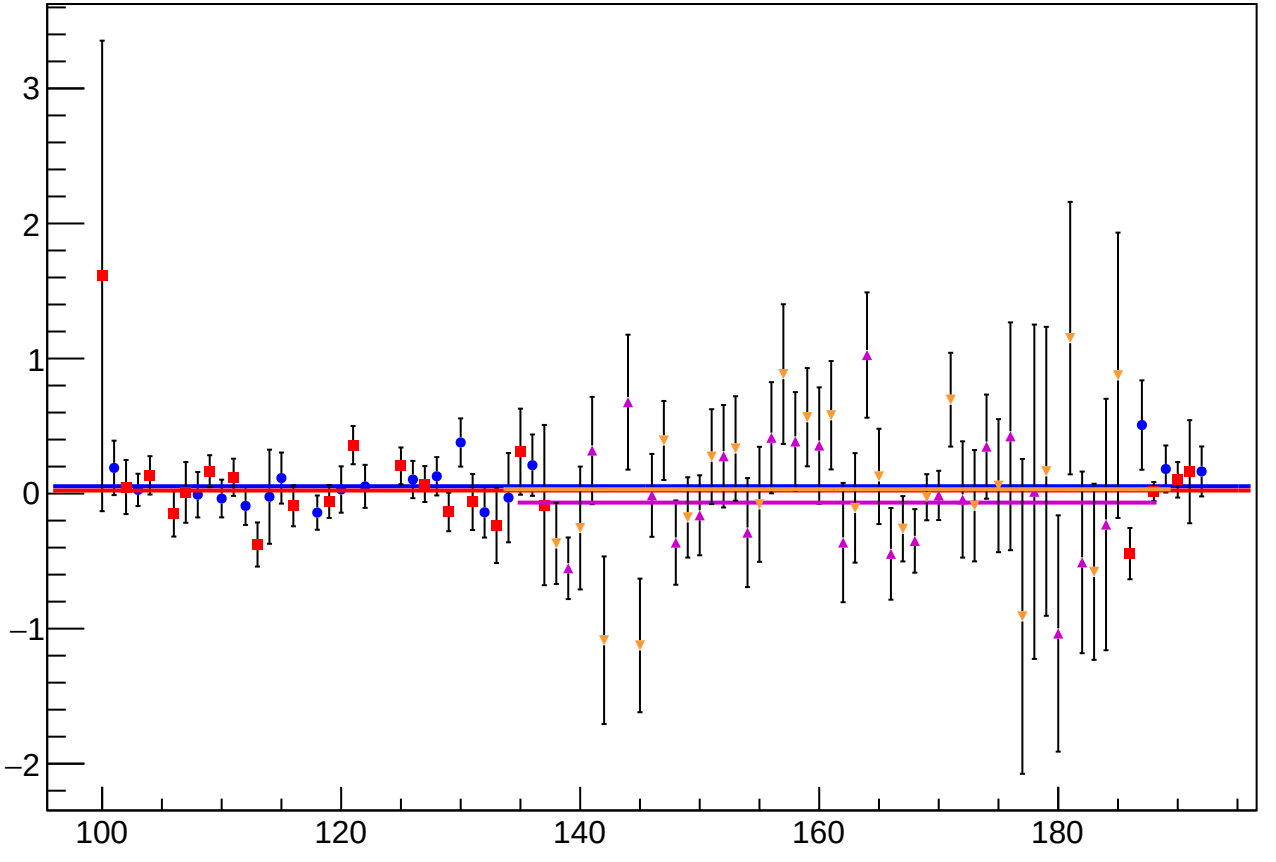
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.136+/-0.024 χ^2/NDF: 16455811.1/42

All: 132.174+/-0.016 χ^2/NDF: 36089792.9/87

- sign 121.158+/-0.021 χ^2/NDF: 18982193.2/44

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.054+/-0.039 χ^2/NDF: 12.7/18

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

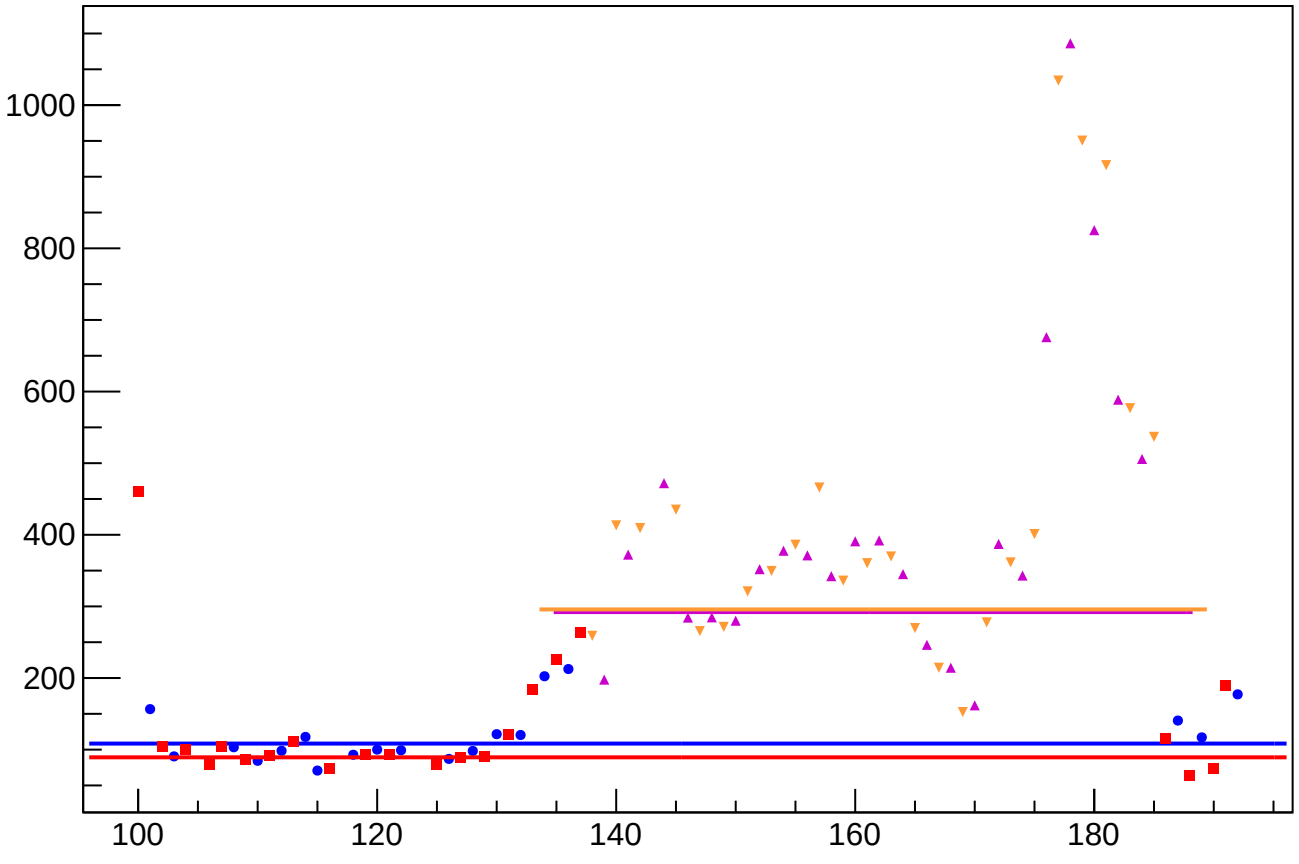
Right Out: 0.023+/-0.032 χ^2/NDF: 28.7/21

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.050+/-0.035 χ^2/NDF: 42.5/42

All: 0.026+/-0.022 χ^2/NDF: 99.0/87

- sign 0.009+/-0.030 χ^2/NDF: 55.6/44



Right In: 108.457+/-0.027 χ^2/NDF: 1312459.7/18

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

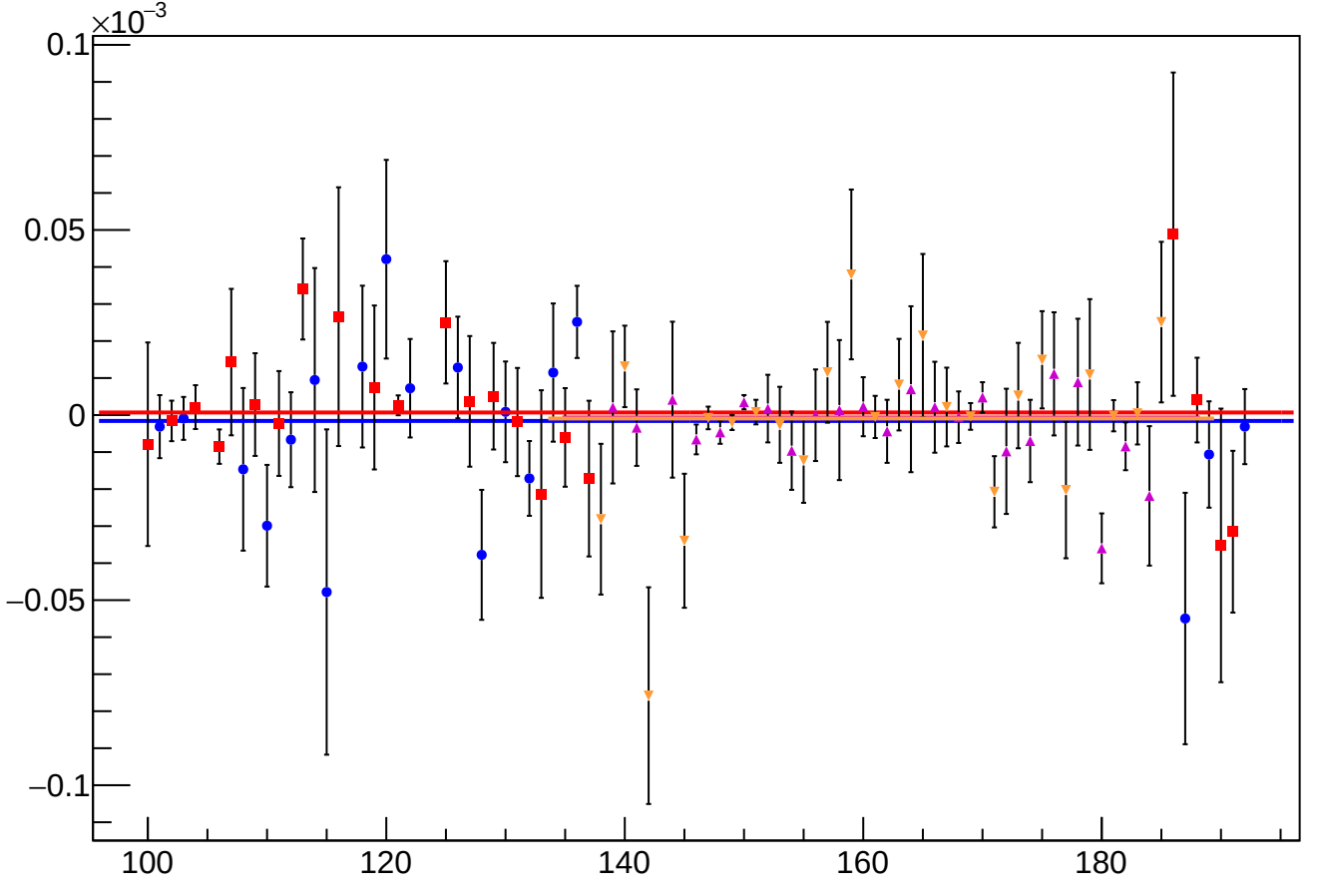
Right Out: 89.254+/-0.023 χ^2/NDF: 1505213.4/21

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.136+/-0.024 χ^2/NDF: 16455811.1/42

All: 132.174+/-0.016 χ^2/NDF: 36089792.9/87

- sign 121.158+/-0.021 χ^2/NDF: 18982193.2/44



Right In: -0.000+/-0.000 χ^2/NDF: 27.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

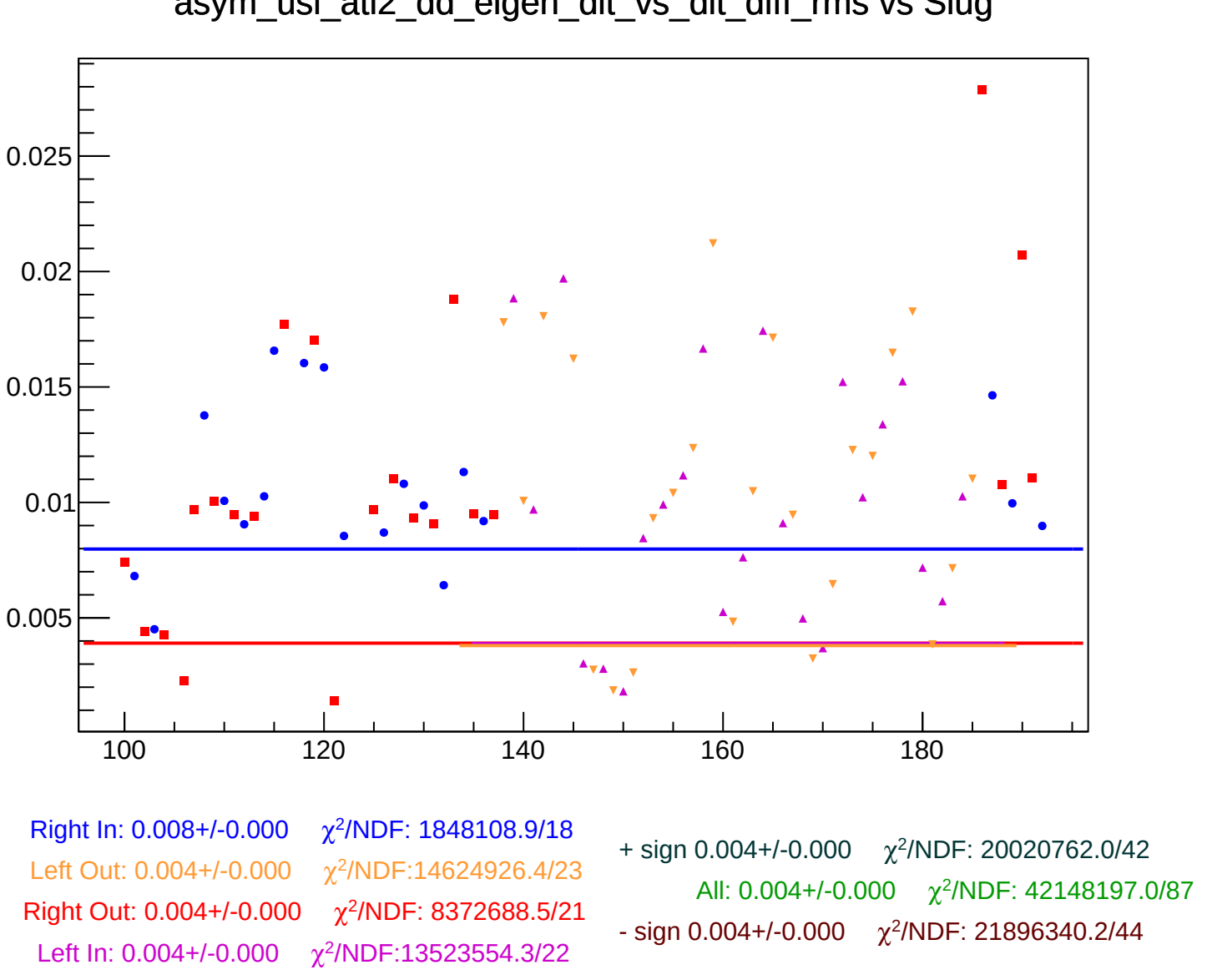
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/21

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

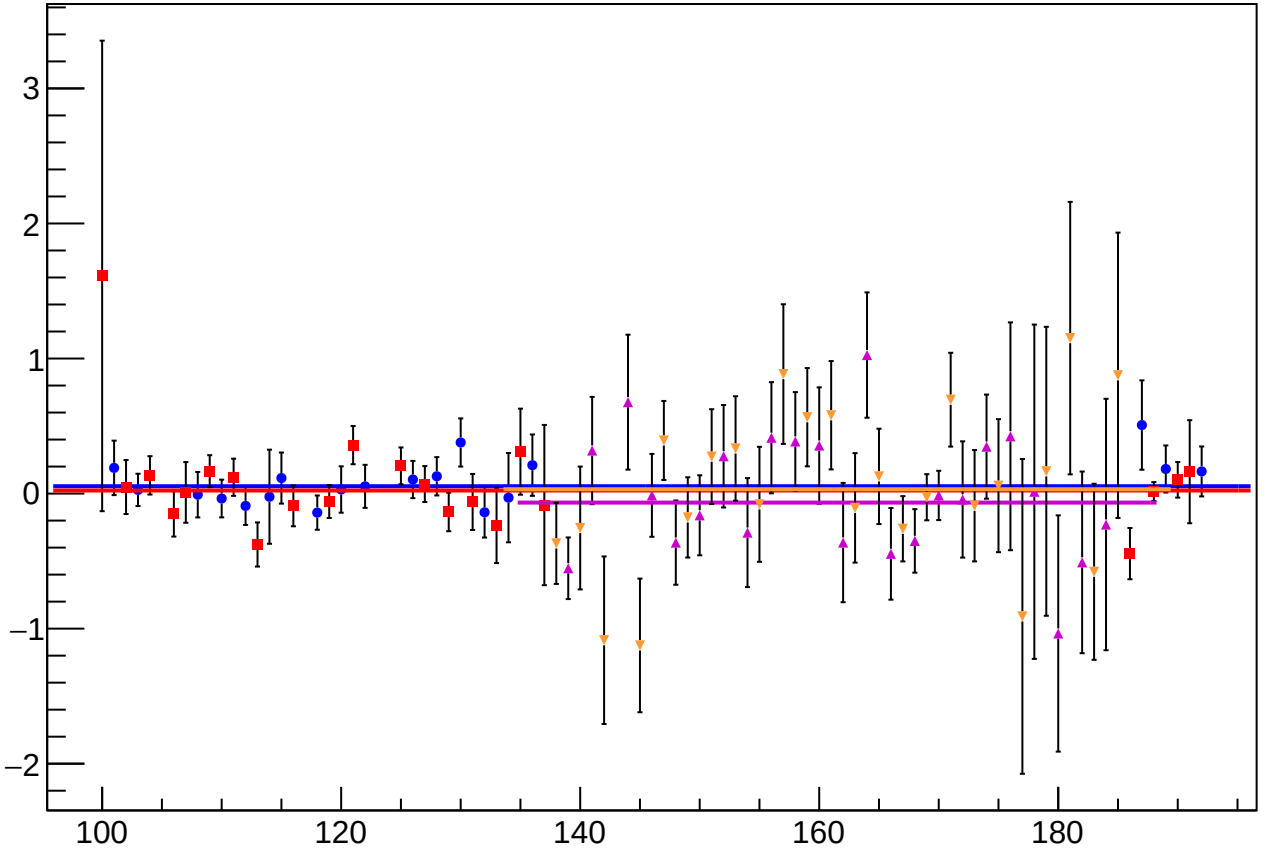
+ sign -0.000+/-0.000 χ^2/NDF: 56.1/42

All: -0.000+/-0.000 χ^2/NDF: 106.8/87

- sign -0.000+/-0.000 χ^2/NDF: 50.5/44


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
Right In: 0.008+/-0.000 χ²/NDF: 1848108.9/18
Left Out: 0.004+/-0.000 χ²/NDF:14624926.4/23
Right Out: 0.004+/-0.000 χ²/NDF: 8372688.5/21
Left In: 0.004+/-0.000 χ²/NDF:13523554.3/22
+ sign 0.004+/-0.000 χ²/NDF: 20020762.0/42
All: 0.004+/-0.000 χ²/NDF: 42148197.0/87
- sign 0.004+/-0.000 χ²/NDF: 21896340.2/44

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

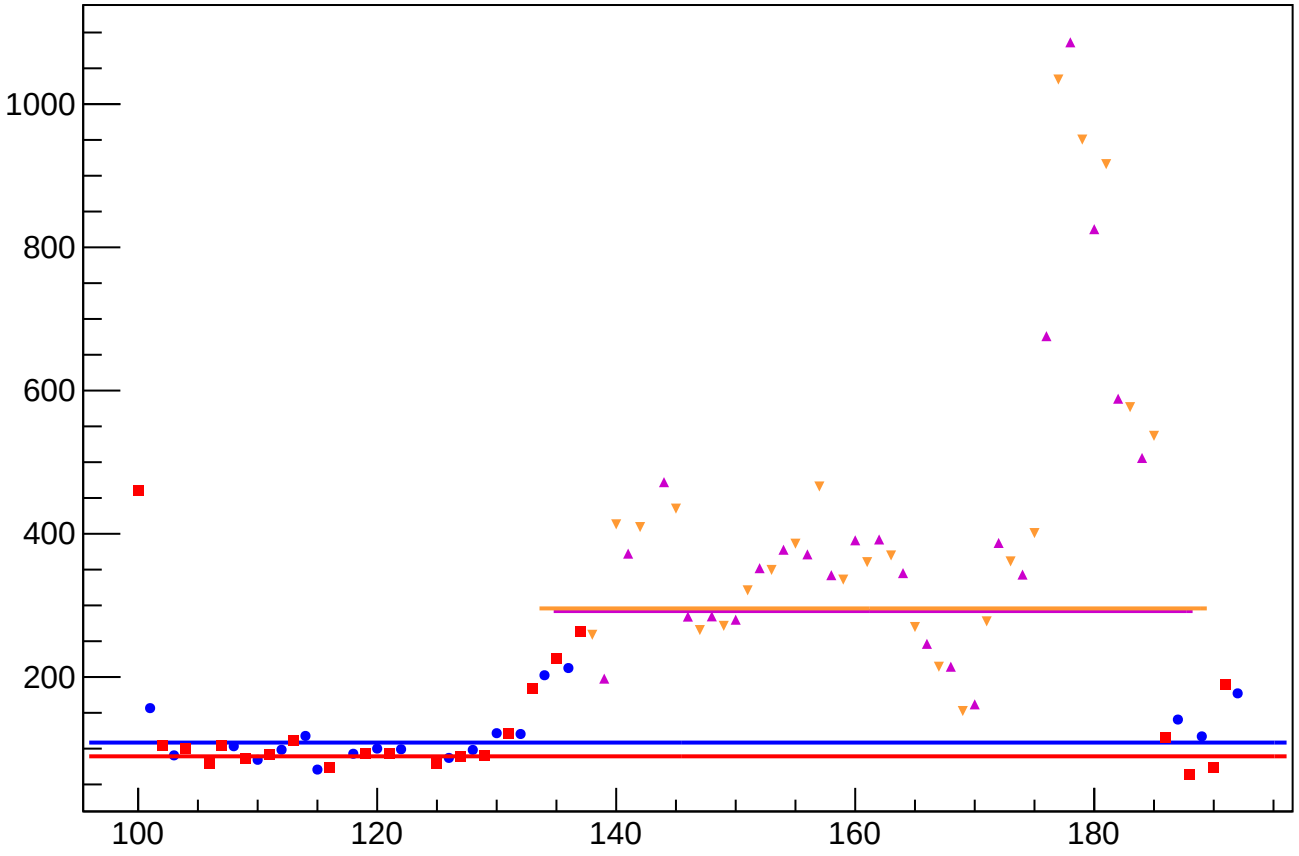
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.050+/-0.035 χ^2/NDF: 42.5/42

All: 0.026+/-0.022 χ^2/NDF: 99.0/87

- sign 0.009+/-0.030 χ^2/NDF: 55.6/44

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 108.457+/-0.027 χ^2/NDF: 1312391.8/18

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

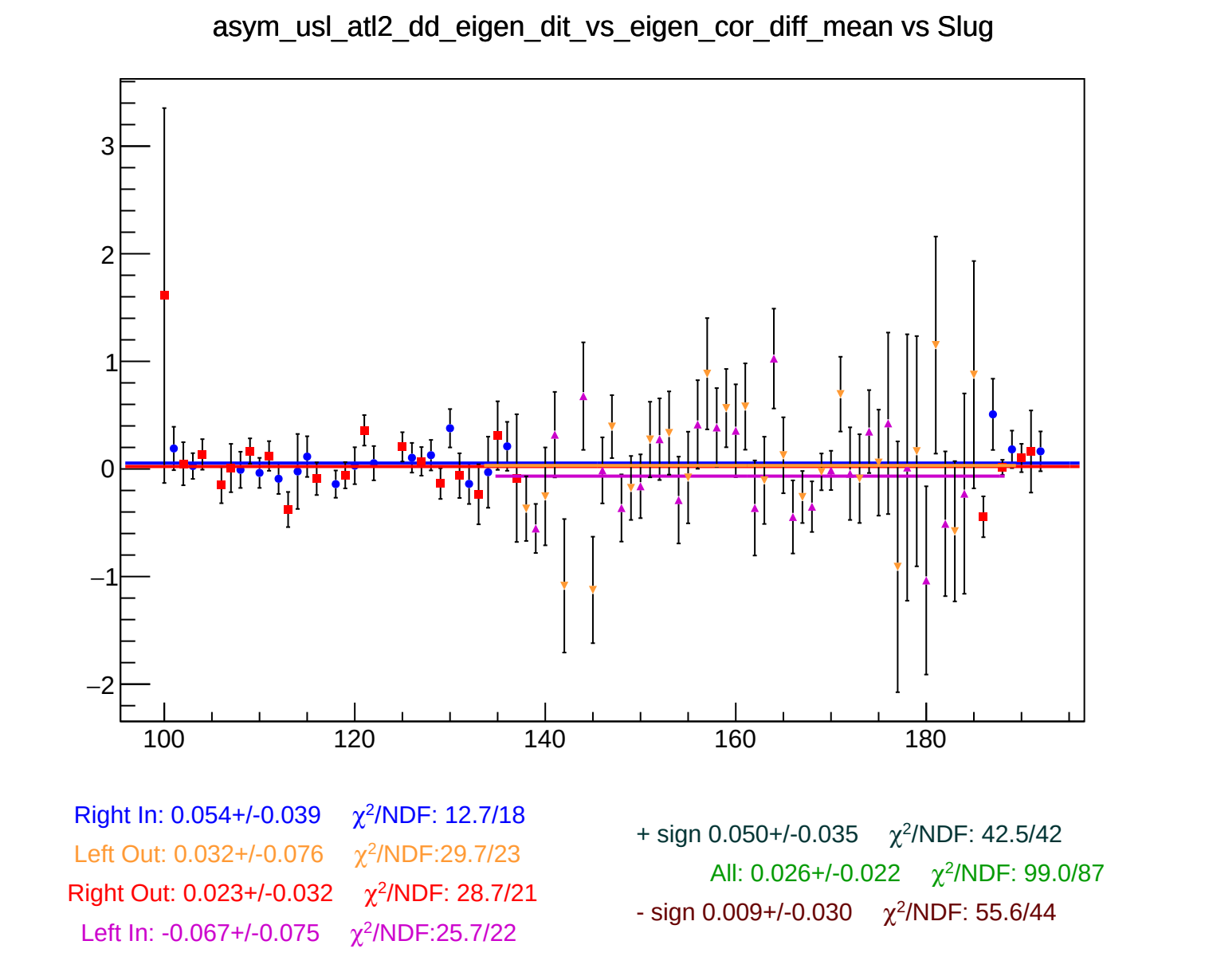
Right Out: 89.253+/-0.023 χ^2/NDF: 1505251.9/21

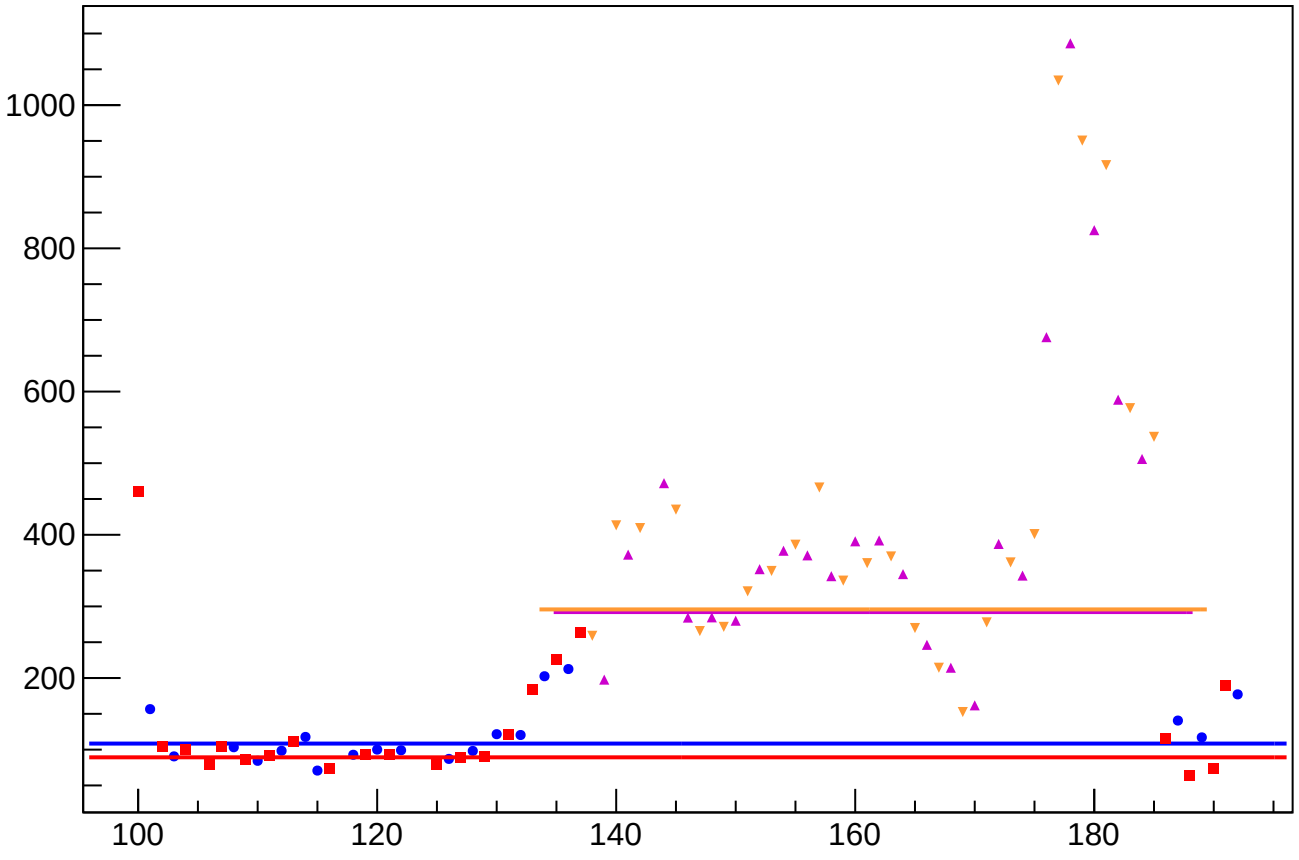
Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.137+/-0.024 χ^2/NDF: 16455821.3/42

All: 132.173+/-0.016 χ^2/NDF: 36090339.2/87

- sign 121.156+/-0.021 χ^2/NDF: 18982600.0/44


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
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
+ sign 0.050+/-0.035 χ²/NDF: 42.5/42
All: 0.026+/-0.022 χ²/NDF: 99.0/87
- sign 0.009+/-0.030 χ²/NDF: 55.6/44



Right In: 108.457+/-0.027 χ^2/NDF: 1312391.8/18

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

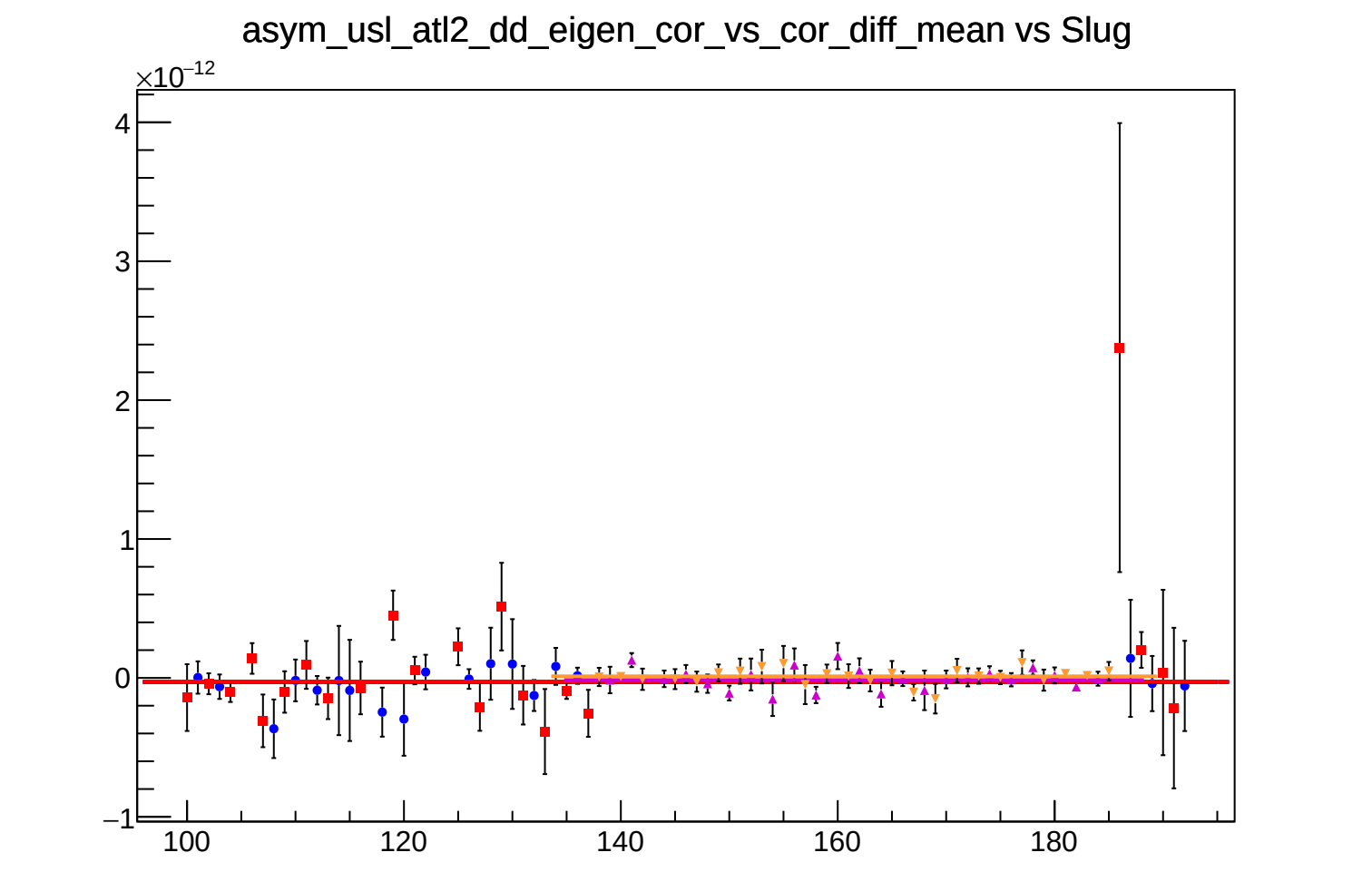
Right Out: 89.253+/-0.023 χ^2/NDF: 1505251.9/21

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.137+/-0.024 χ^2/NDF: 16455821.3/42

All: 132.173+/-0.016 χ^2/NDF: 36090339.2/87

- sign 121.156+/-0.021 χ^2/NDF: 18982600.0/44



Right In: -0.000+/-0.000 χ^2/NDF: 8.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

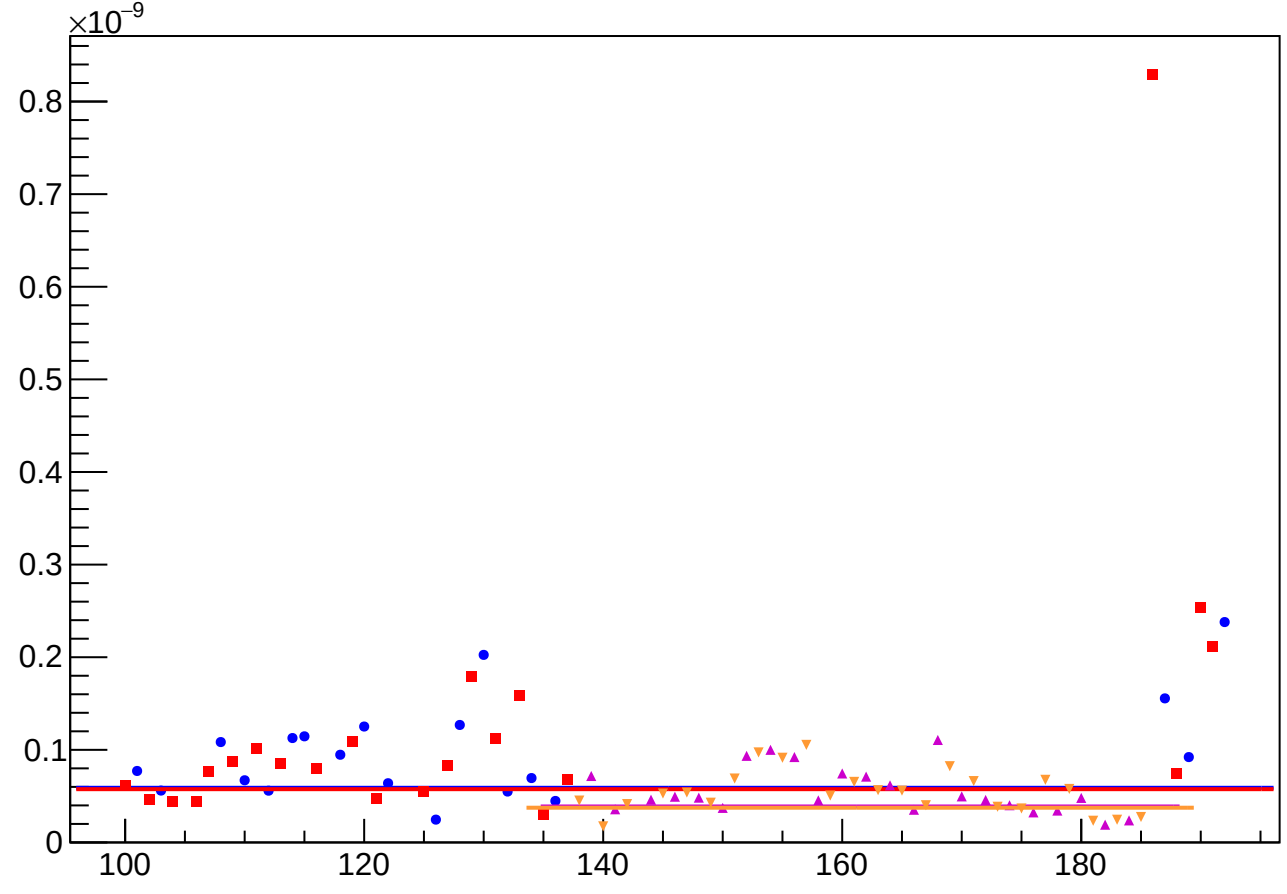
Right Out: -0.000+/-0.000 χ^2/NDF: 32.7/21

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 21.2/42

All: -0.000+/-0.000 χ^2/NDF: 86.8/87

- sign -0.000+/-0.000 χ^2/NDF: 63.7/44



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

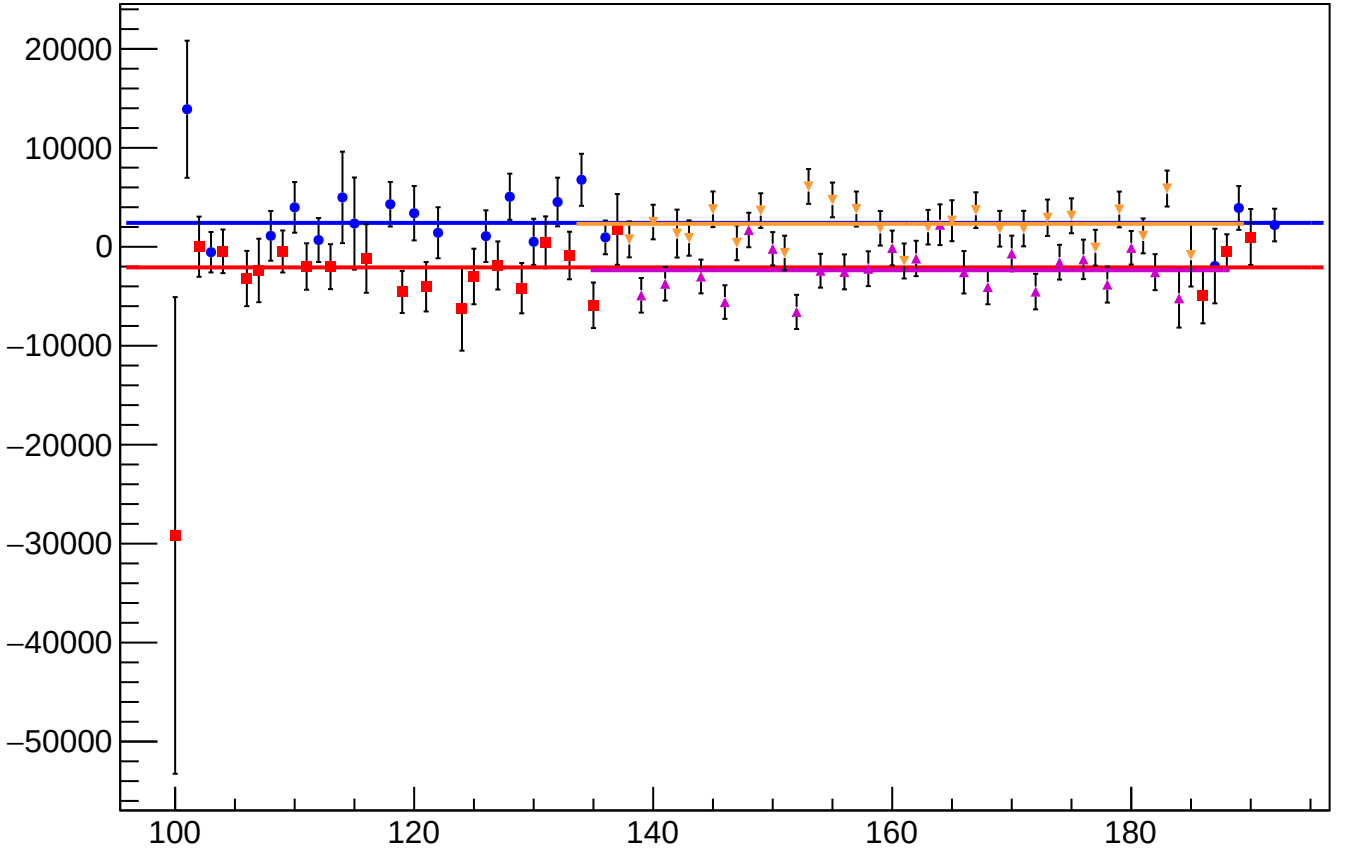
Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8288570.6/42

All: 0.000+/-0.000 χ^2/NDF: 16251863.0/87

- sign 0.000+/-0.000 χ^2/NDF: 7952146.9/44

reg_asym_usr_atr1_avg_mean vs Slug



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

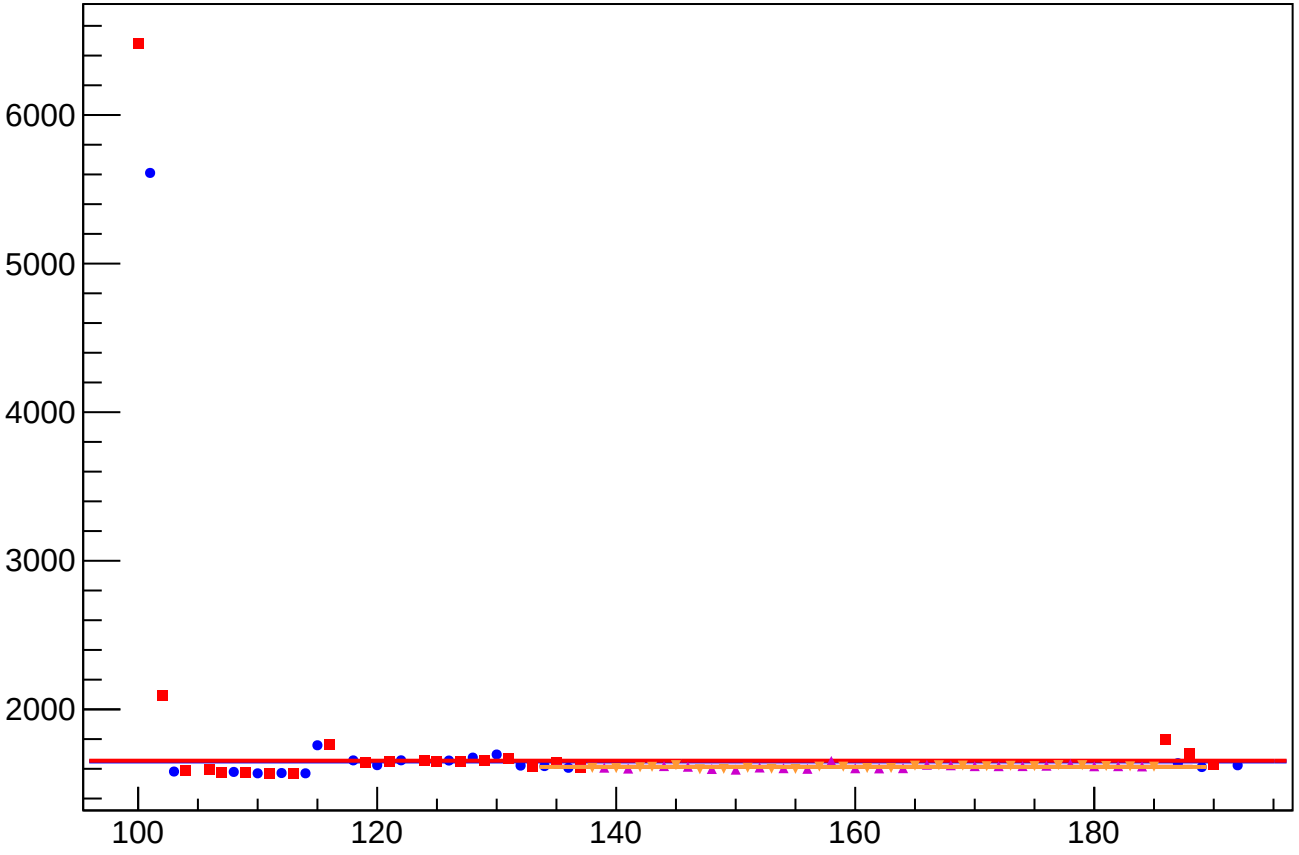
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2349.964+/-306.951 χ^2/NDF: 43.2/43

All: 67.533+/-218.545 χ^2/NDF: 204.3/88

- sign -2279.032+/-311.233 χ^2/NDF: 49.0/44

reg_asym_usr_atr1_avg_rms vs Slug



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

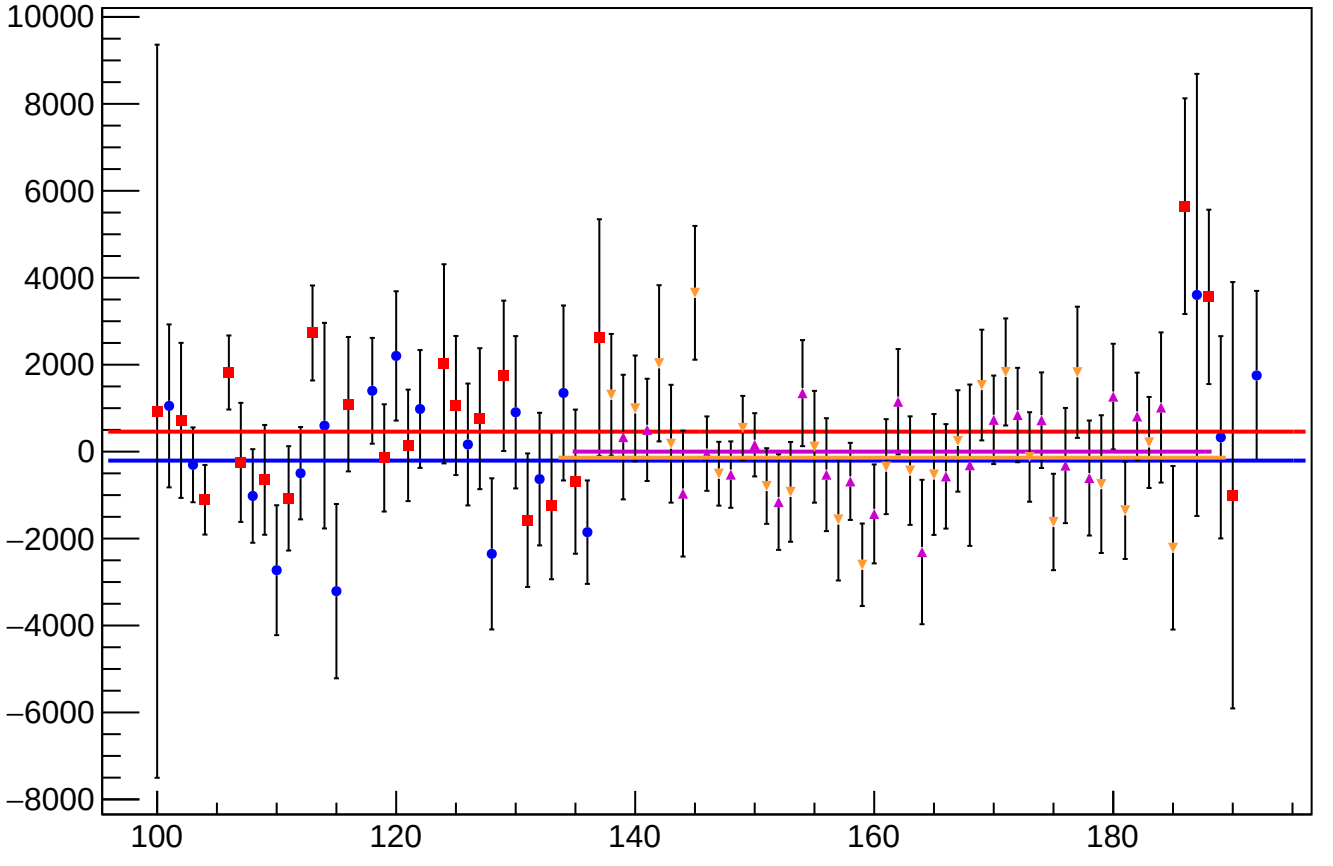
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.605+/-0.217 χ^2/NDF: 674795.5/43

All: 1625.149+/-0.155 χ^2/NDF: 828893.2/88

- sign 1626.736+/-0.220 χ^2/NDF: 153995.2/44

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -206.268+/-333.961 χ^2/NDF: 17.7/18

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 459.745+/-306.261 χ^2/NDF: 25.8/21

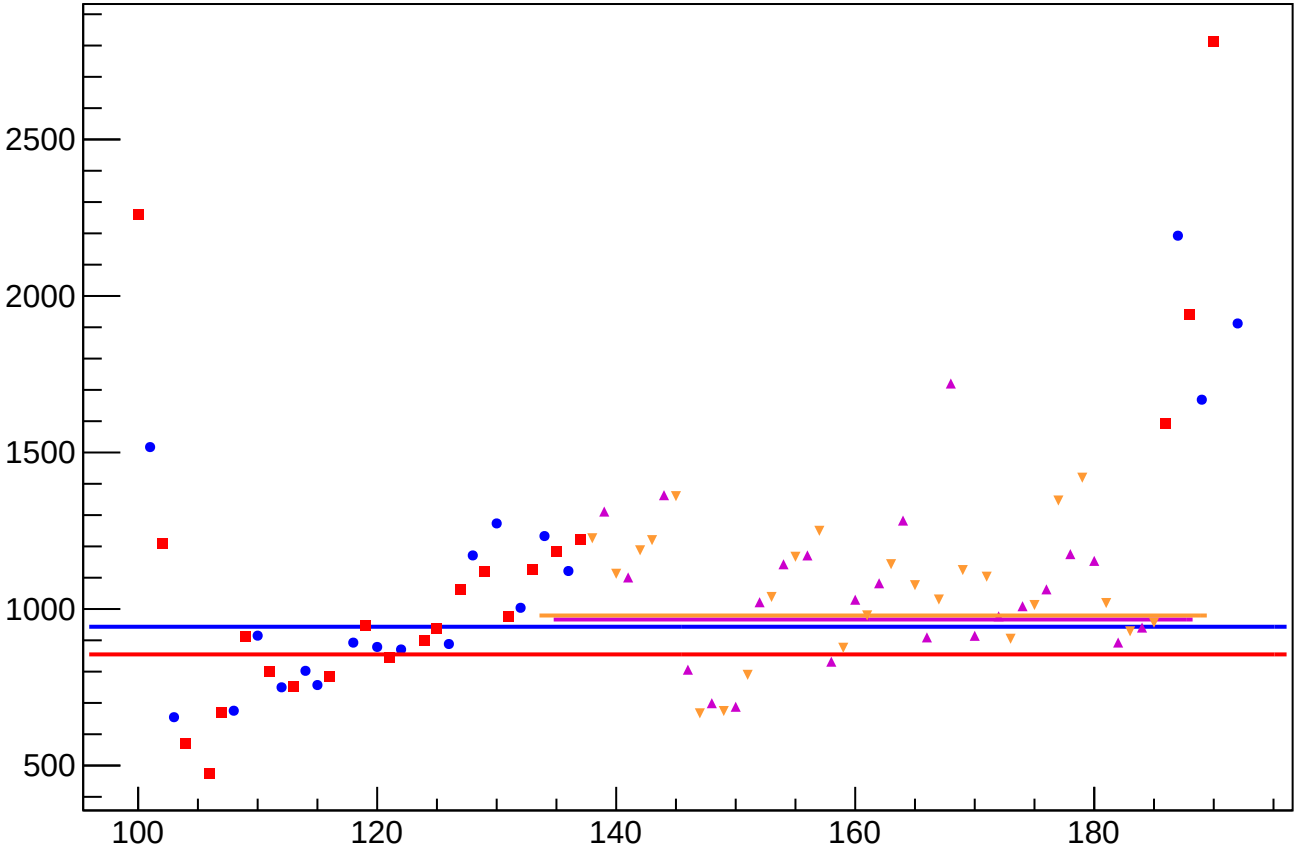
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -160.544+/-188.934 χ^2/NDF: 47.8/43

All: 7.085+/-132.140 χ^2/NDF: 89.5/88

- sign 167.598+/-184.881 χ^2/NDF: 40.1/44

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 943.361+/-0.236 χ^2/NDF: 1650890.8/18

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

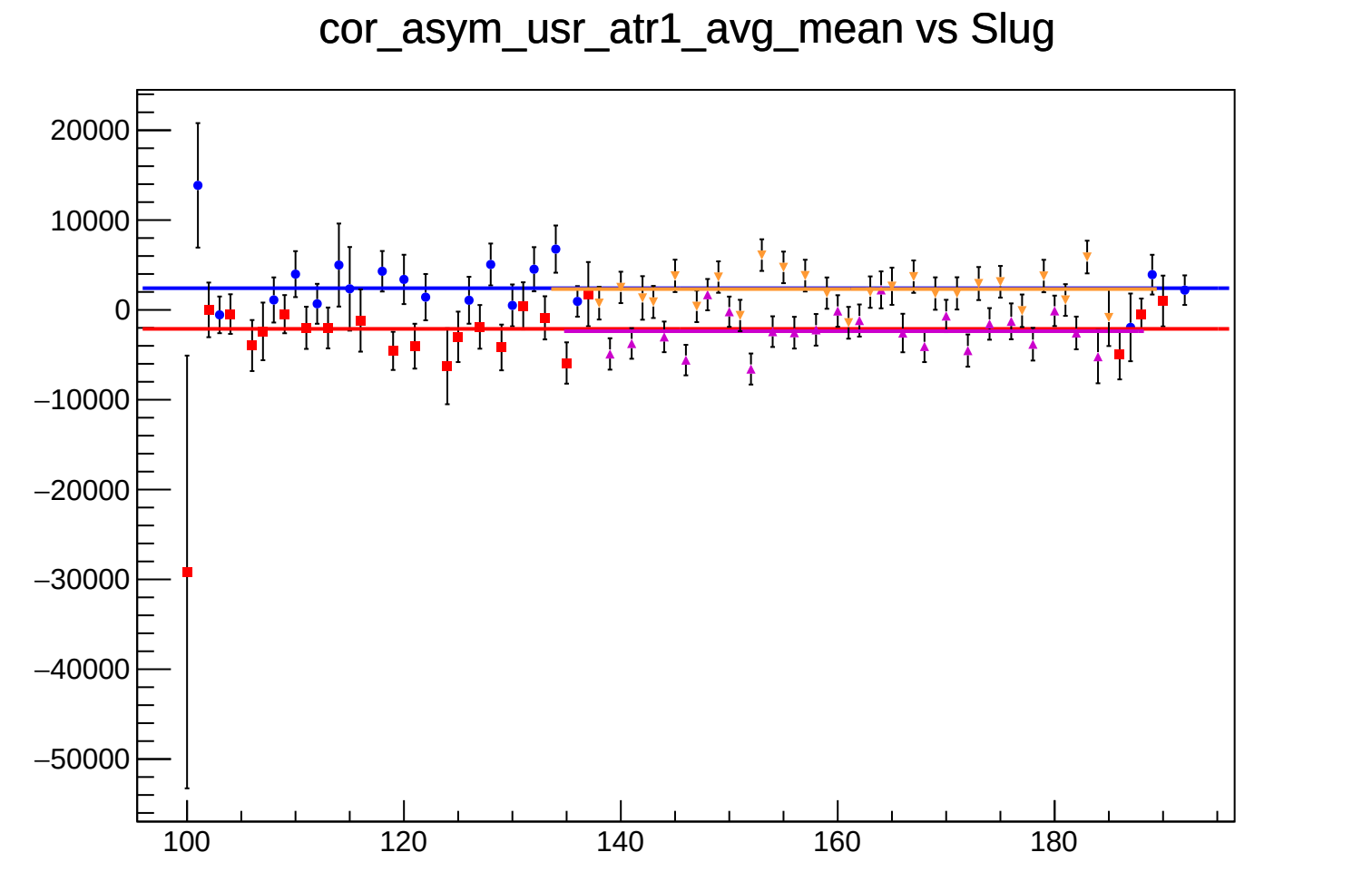
Right Out: 855.014+/-0.217 χ^2/NDF: 2211109.1/21

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 967.794+/-0.134 χ^2/NDF: 3297257.8/43

All: 946.387+/-0.093 χ^2/NDF: 7329746.6/88

- sign 925.889+/-0.131 χ^2/NDF: 3982229.1/44



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

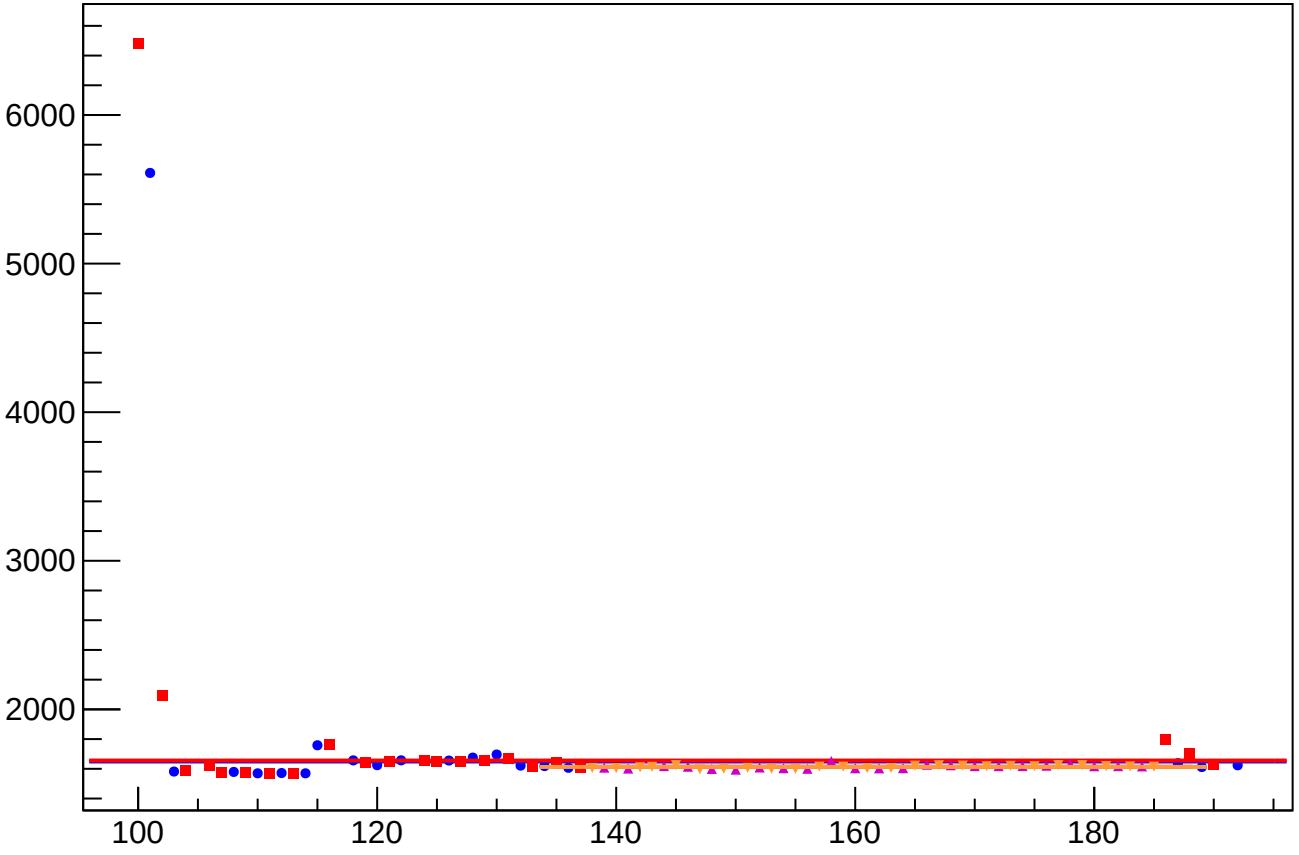
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2349.802+/-306.951 χ^2/NDF: 43.2/43

All: 63.563+/-218.568 χ^2/NDF: 204.9/88

- sign -2287.923+/-311.300 χ^2/NDF: 49.2/44

cor_asym_usr_atr1_avg_rms vs Slug



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

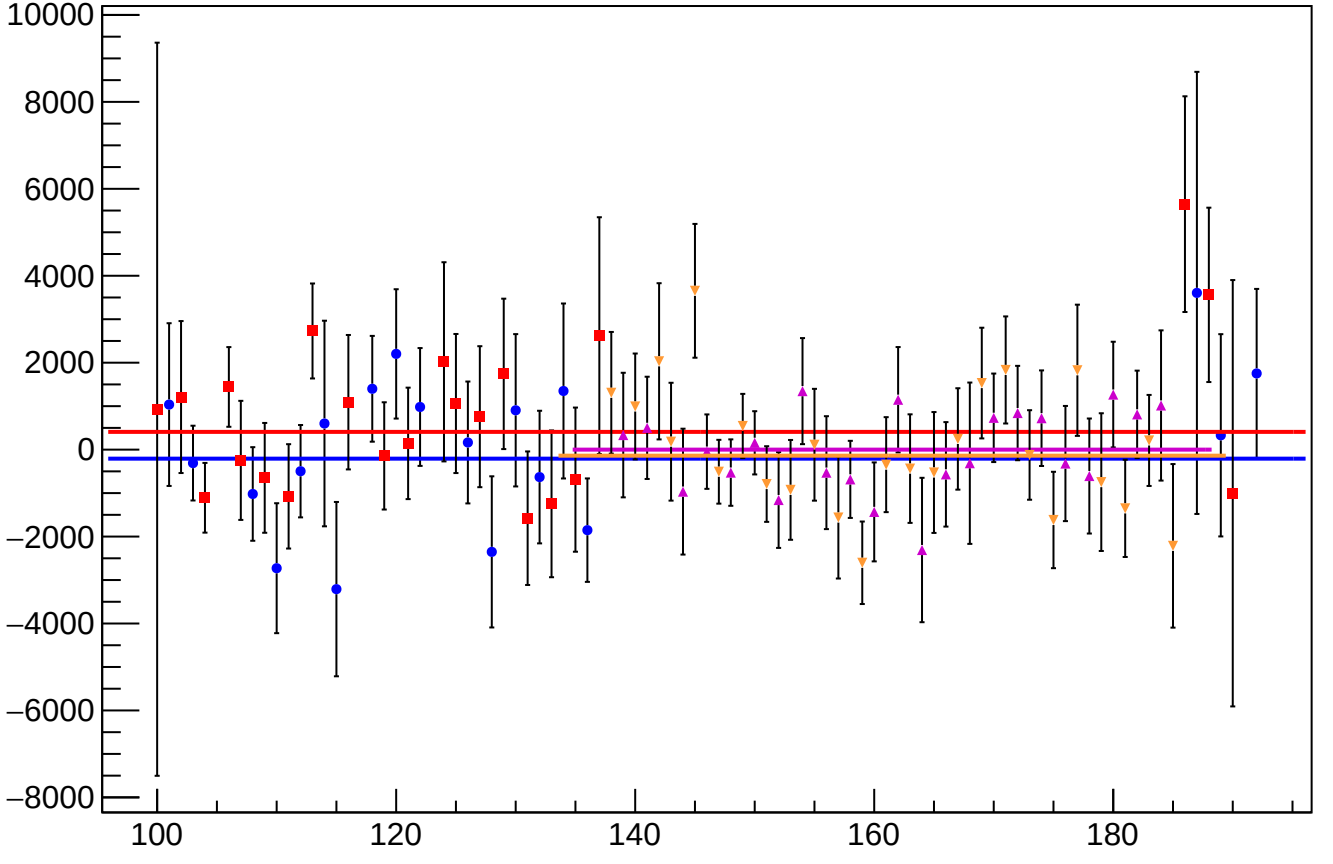
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.605+/-0.217 χ^2/NDF: 674795.0/43

All: 1625.312+/-0.155 χ^2/NDF: 828639.3/88

- sign 1627.068+/-0.220 χ^2/NDF: 153718.8/44

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -207.562+/-333.919 χ^2/NDF: 17.6/18

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 408.342+/-308.858 χ^2/NDF: 24.5/21

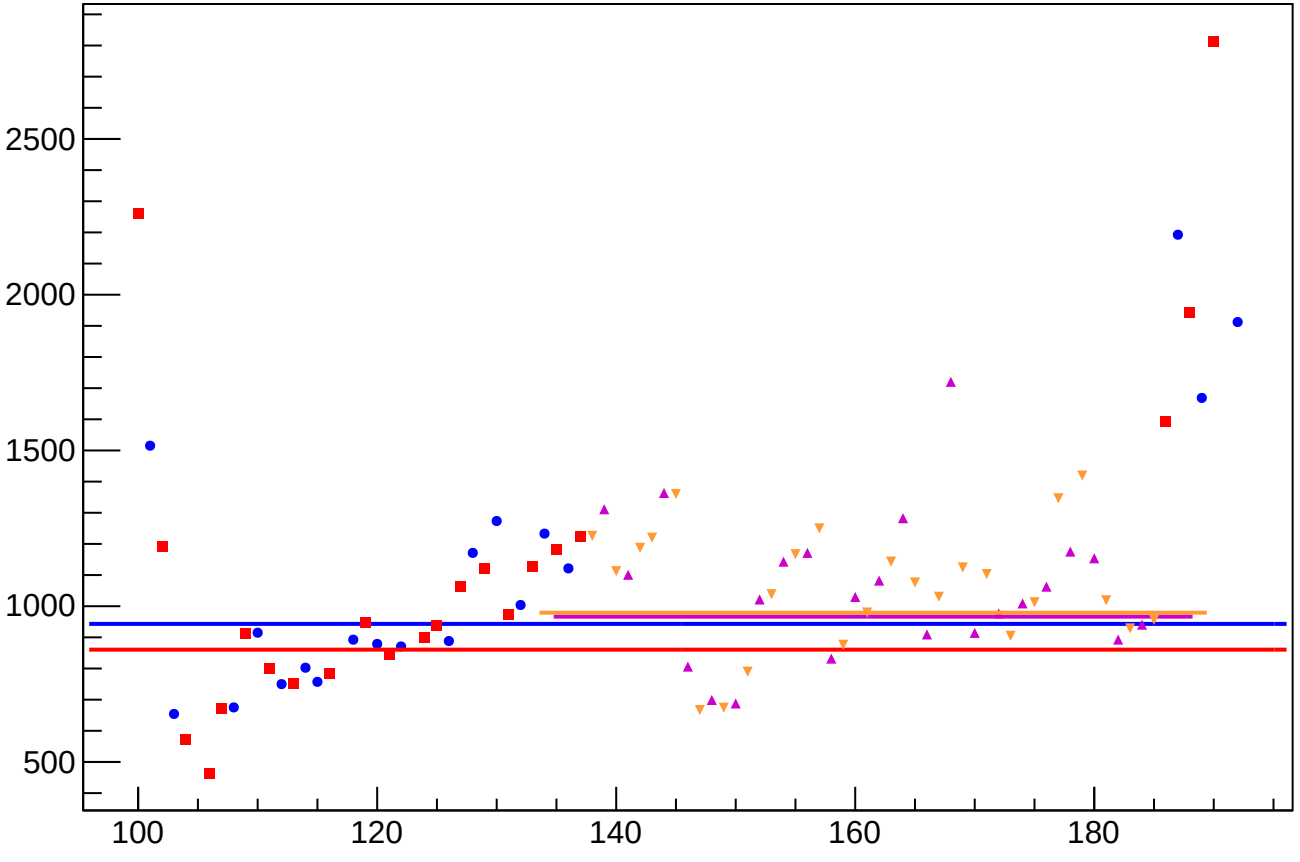
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -160.997+/-188.926 χ^2/NDF: 47.8/43

All: -4.006+/-132.344 χ^2/NDF: 87.7/88

- sign 147.258+/-185.448 χ^2/NDF: 38.5/44

asym_usr_atr1_avg_cor_correction_rms vs Slug



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

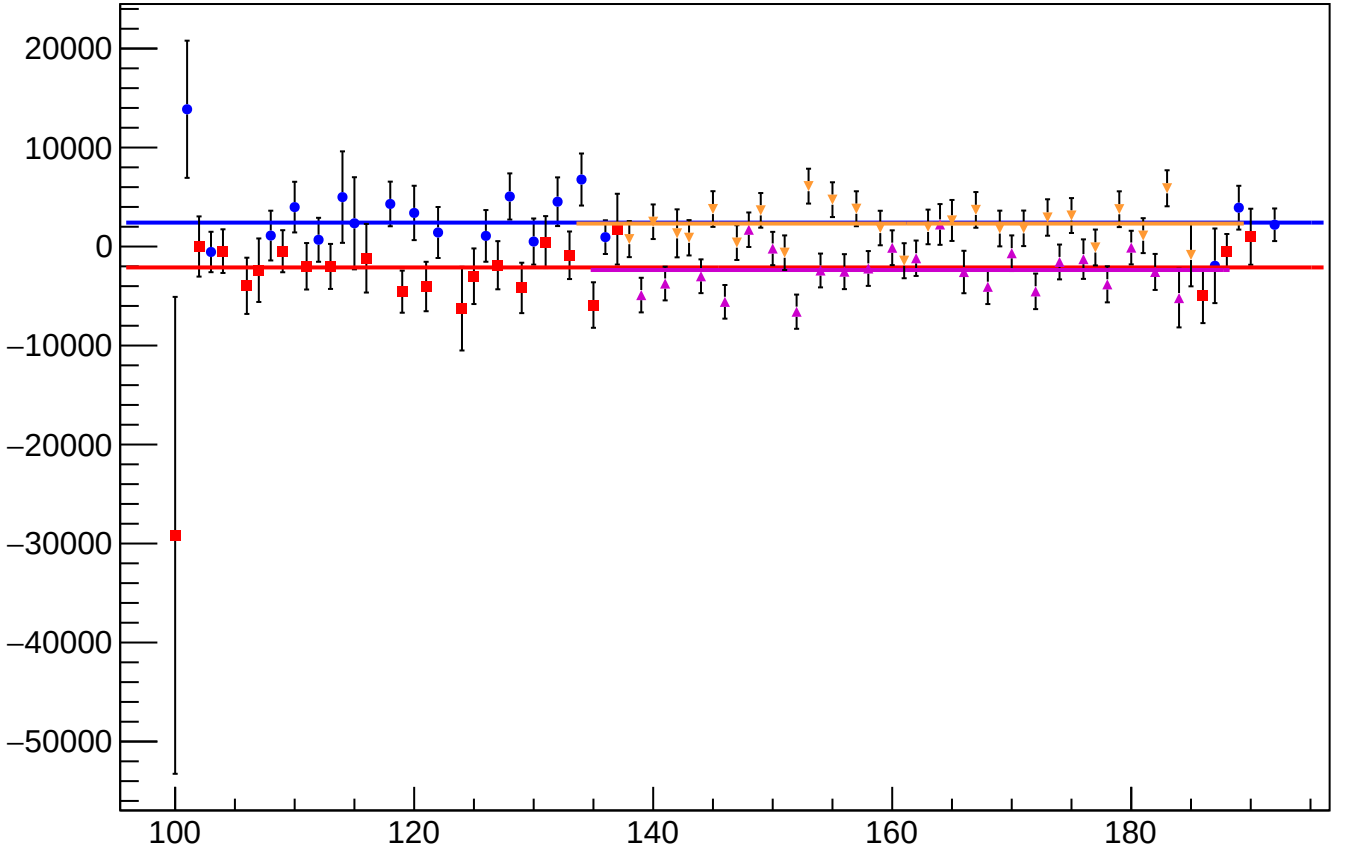
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

\+ sign 967.753+/-0.134 χ^2/NDF: 3297409.6/43

All: 947.678+/-0.094 χ^2/NDF: 7264889.4/88

\- sign 928.335+/-0.131 χ^2/NDF: 3923139.0/44

eigen_cor_asym_usr_atr1_avg_mean vs Slug



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

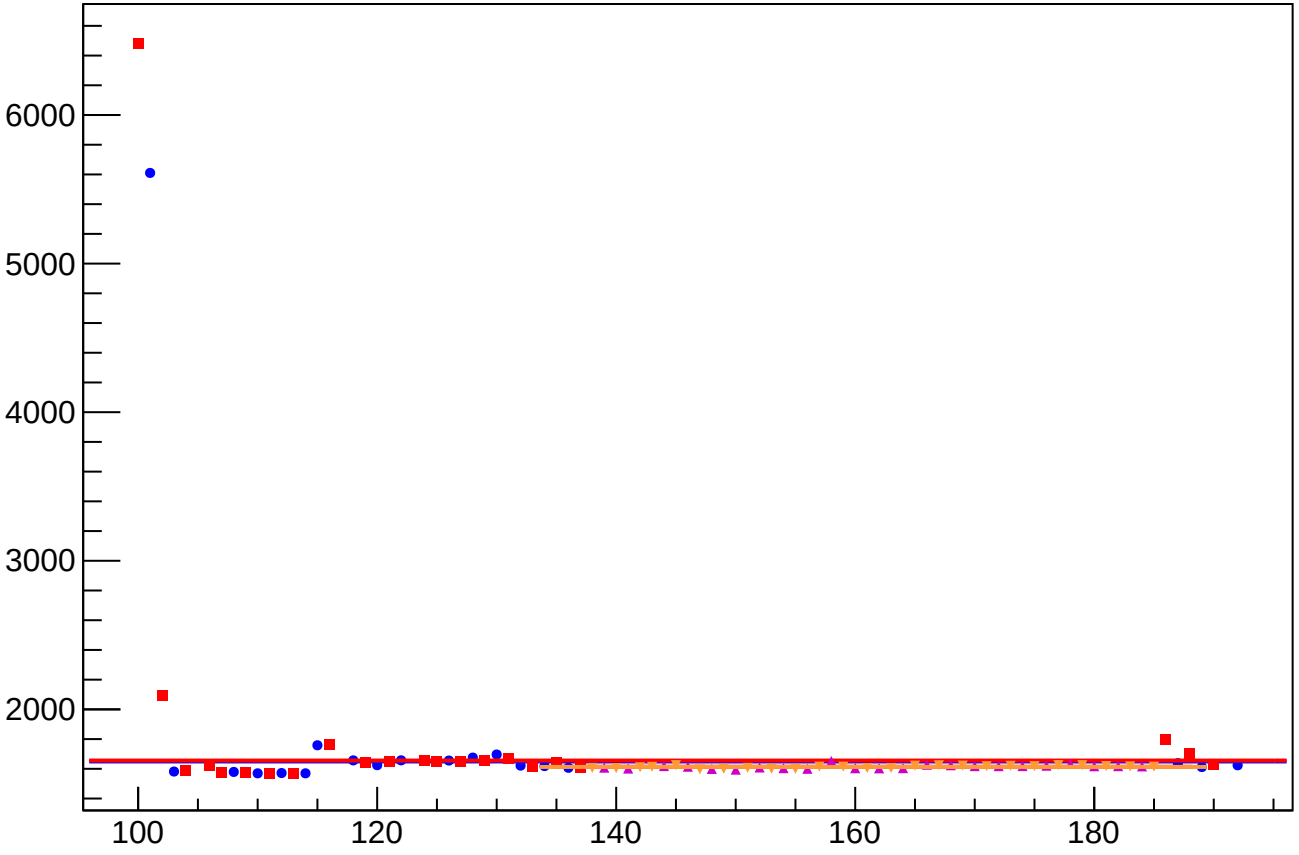
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2349.802+/-306.951 χ^2/NDF: 43.2/43

All: 63.563+/-218.568 χ^2/NDF: 204.9/88

- sign -2287.923+/-311.300 χ^2/NDF: 49.2/44

eigen_cor_asym_usr_atr1_avg_rms vs Slug



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

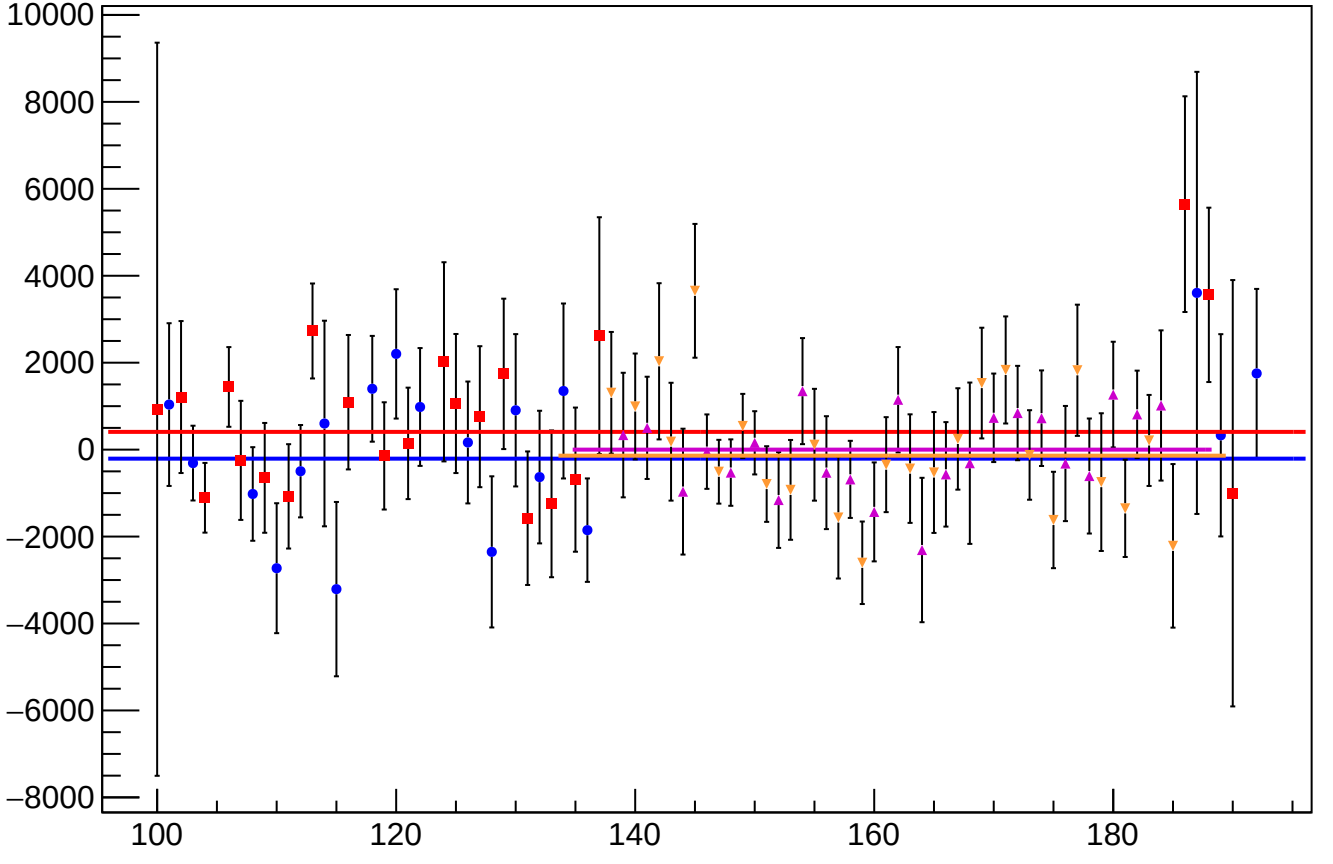
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.605+/-0.217 χ^2/NDF: 674795.0/43

All: 1625.312+/-0.155 χ^2/NDF: 828639.3/88

- sign 1627.068+/-0.220 χ^2/NDF: 153718.8/44

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: -207.562+/-333.919 χ^2/NDF: 17.6/18

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

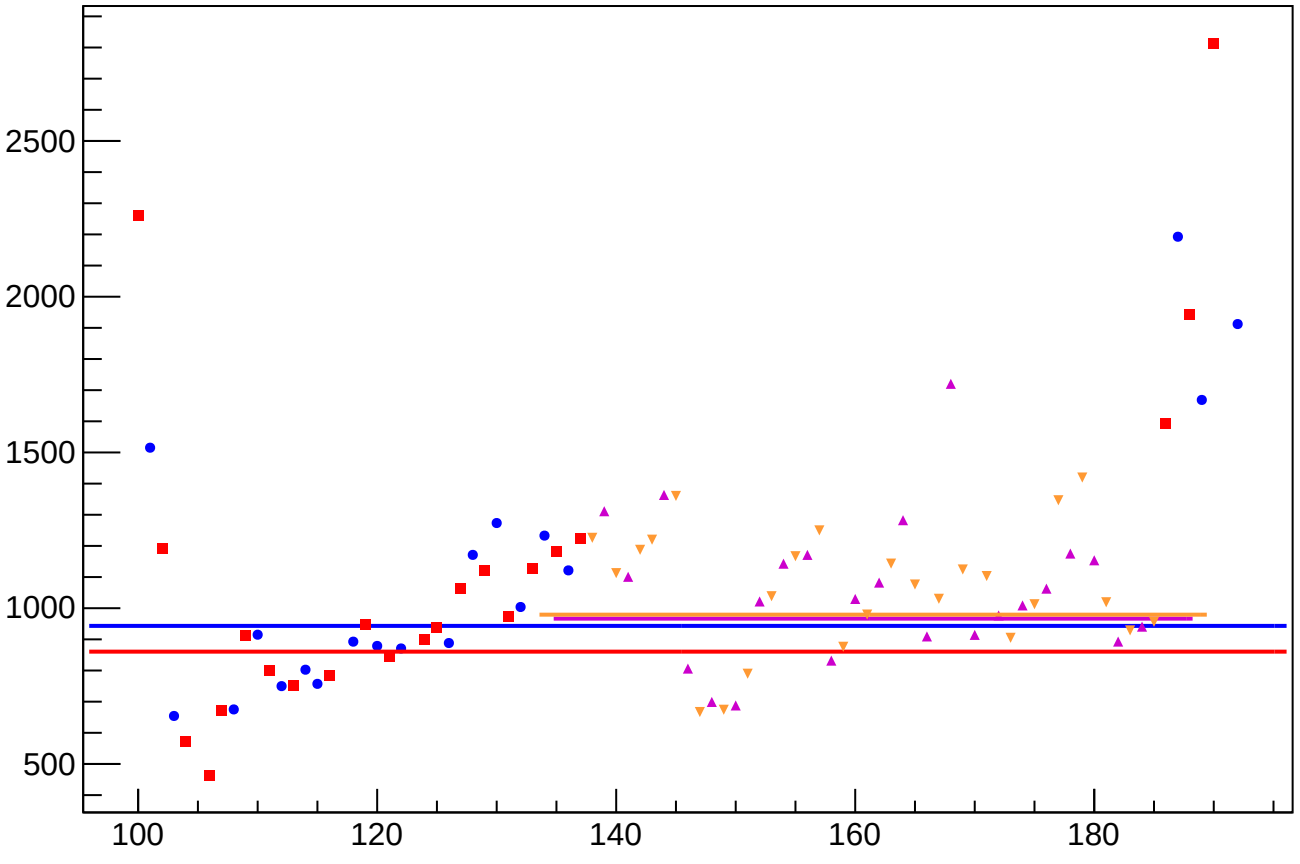
Right Out: 408.342+/-308.858 χ^2/NDF: 24.5/21

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -160.997+/-188.926 χ^2/NDF: 47.8/43

All: -4.006+/-132.344 χ^2/NDF: 87.7/88

- sign 147.258+/-185.448 χ^2/NDF: 38.5/44



Right In: 943.253+/-0.236 χ^2/NDF: 1650842.7/18

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

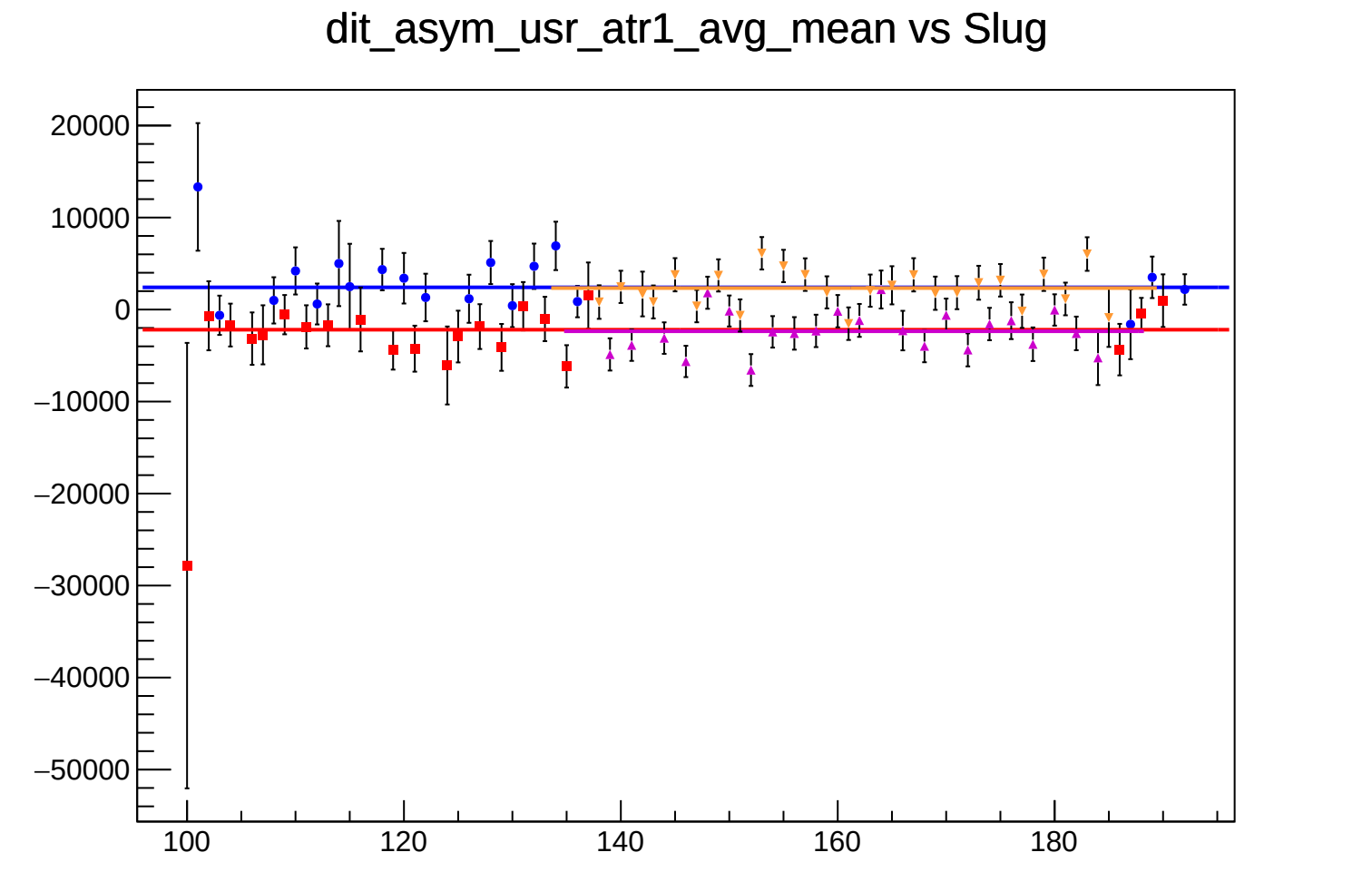
Right Out: 860.583+/-0.218 χ^2/NDF: 2170078.4/21

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 967.753+/-0.134 χ^2/NDF: 3297409.6/43

All: 947.678+/-0.094 χ^2/NDF: 7264889.4/88

- sign 928.335+/-0.131 χ^2/NDF: 3923139.0/44



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

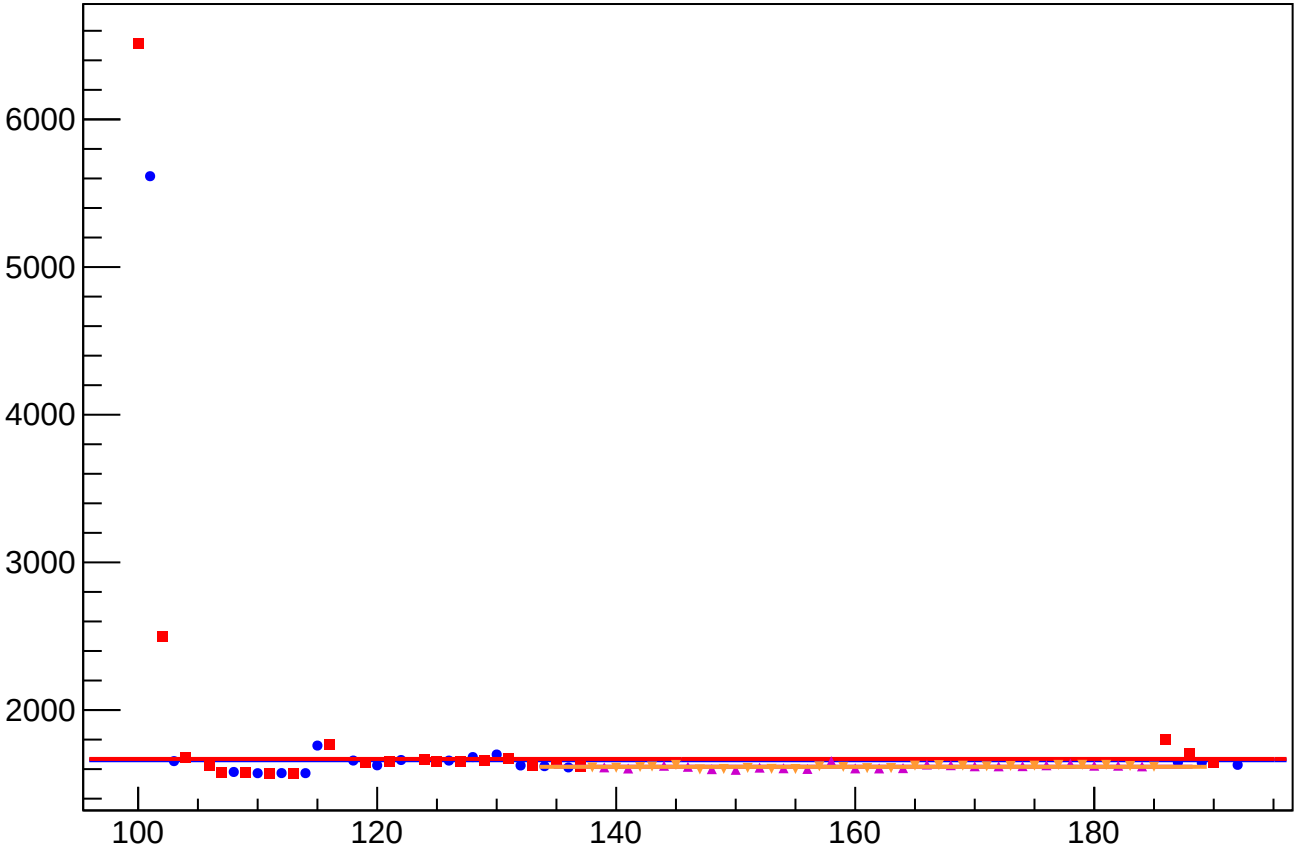
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2358.396+/-307.934 χ^2/NDF: 43.9/43

All: 61.818+/-219.430 χ^2/NDF: 204.5/88

- sign -2307.354+/-312.763 χ^2/NDF: 47.6/44

dit_asym_usr_atr1_avg_rms vs Slug



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

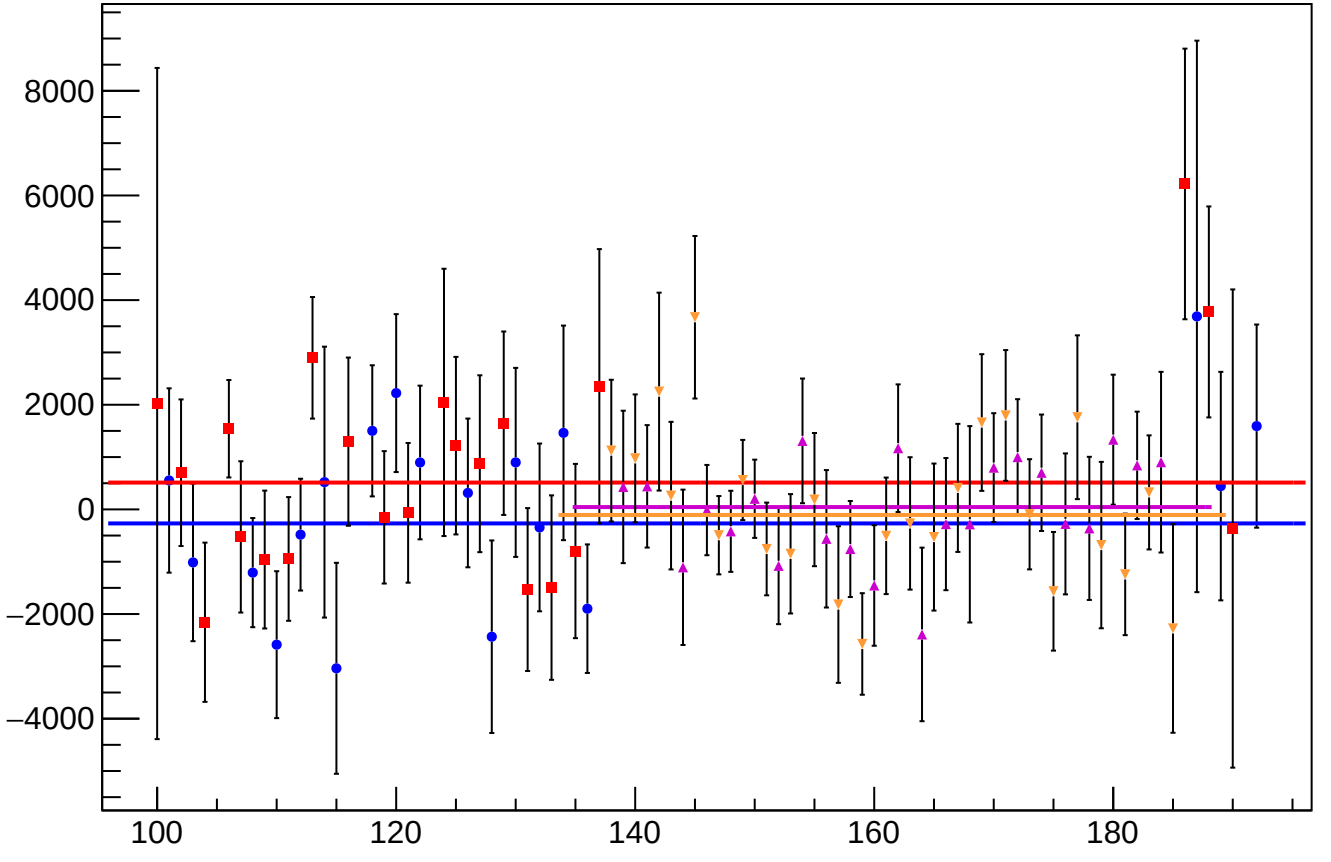
Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1628.799+/-0.218 χ^2/NDF: 674101.3/43

All: 1630.787+/-0.155 χ^2/NDF: 888158.2/88

- sign 1632.838+/-0.221 χ^2/NDF: 213887.6/44

asym_usr_atr1_avg_dit_correction_mean vs Slug



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

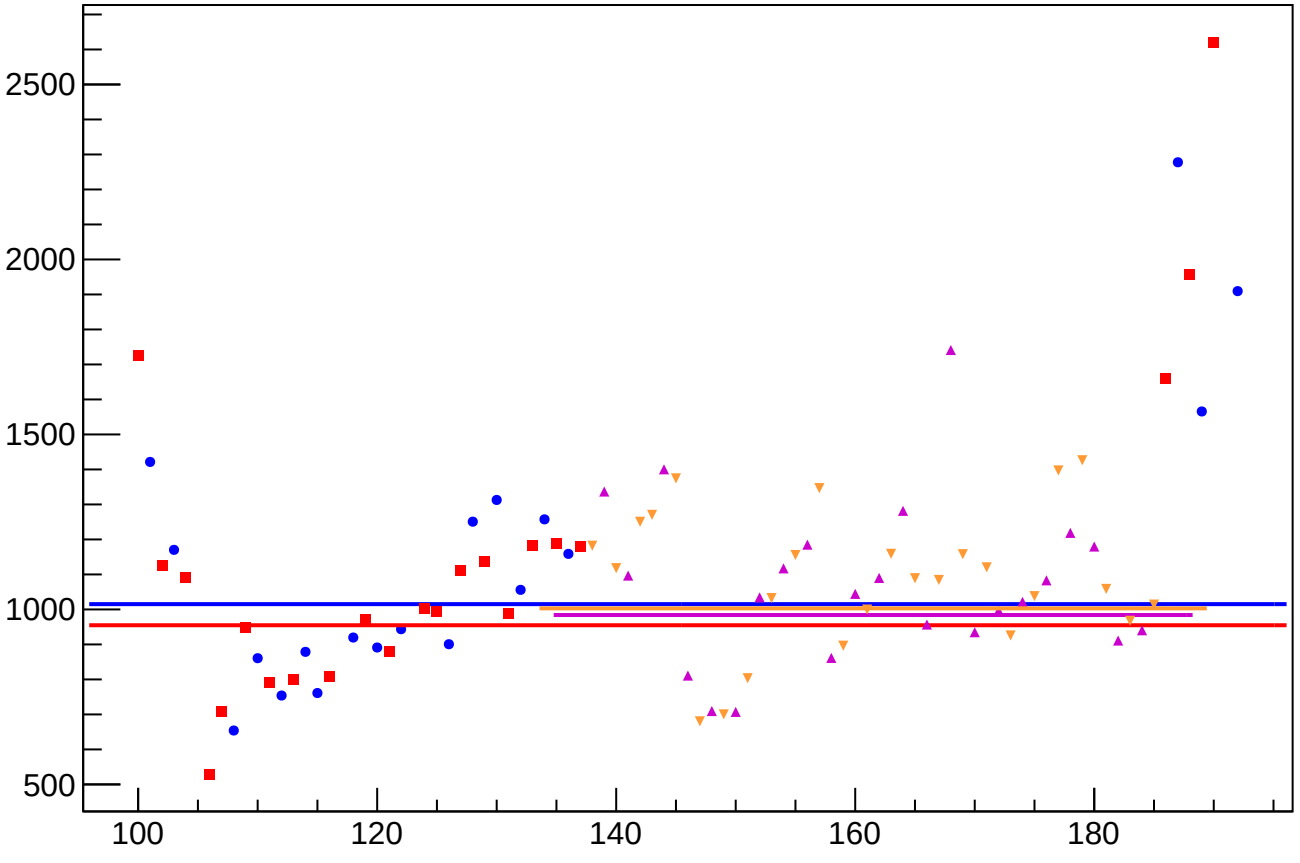
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -155.307+/-195.693 χ^2/NDF: 46.6/43

All: 26.191+/-137.140 χ^2/NDF: 87.6/88

- sign 201.350+/-192.245 χ^2/NDF: 39.3/44

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1015.145+/-0.252 χ^2/NDF: 1401065.3/18

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

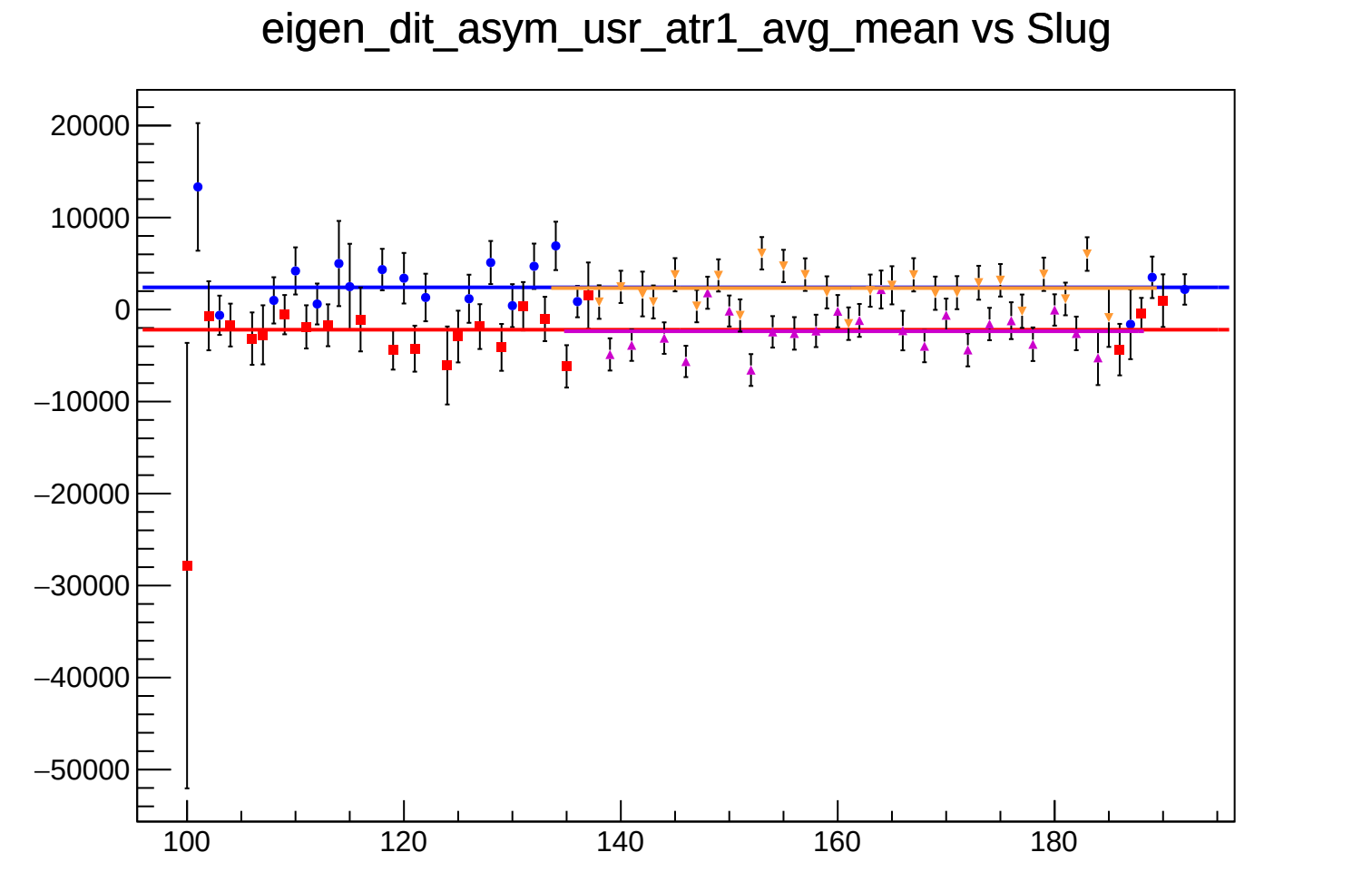
Right Out: 954.820+/-0.235 χ^2/NDF: 1688002.9/21

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

\+ sign 1006.743+/-0.138 χ^2/NDF: 3001079.1/43

All: 990.214+/-0.097 χ^2/NDF: 6286984.2/88

\- sign 974.262+/-0.136 χ^2/NDF: 3257865.9/44



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

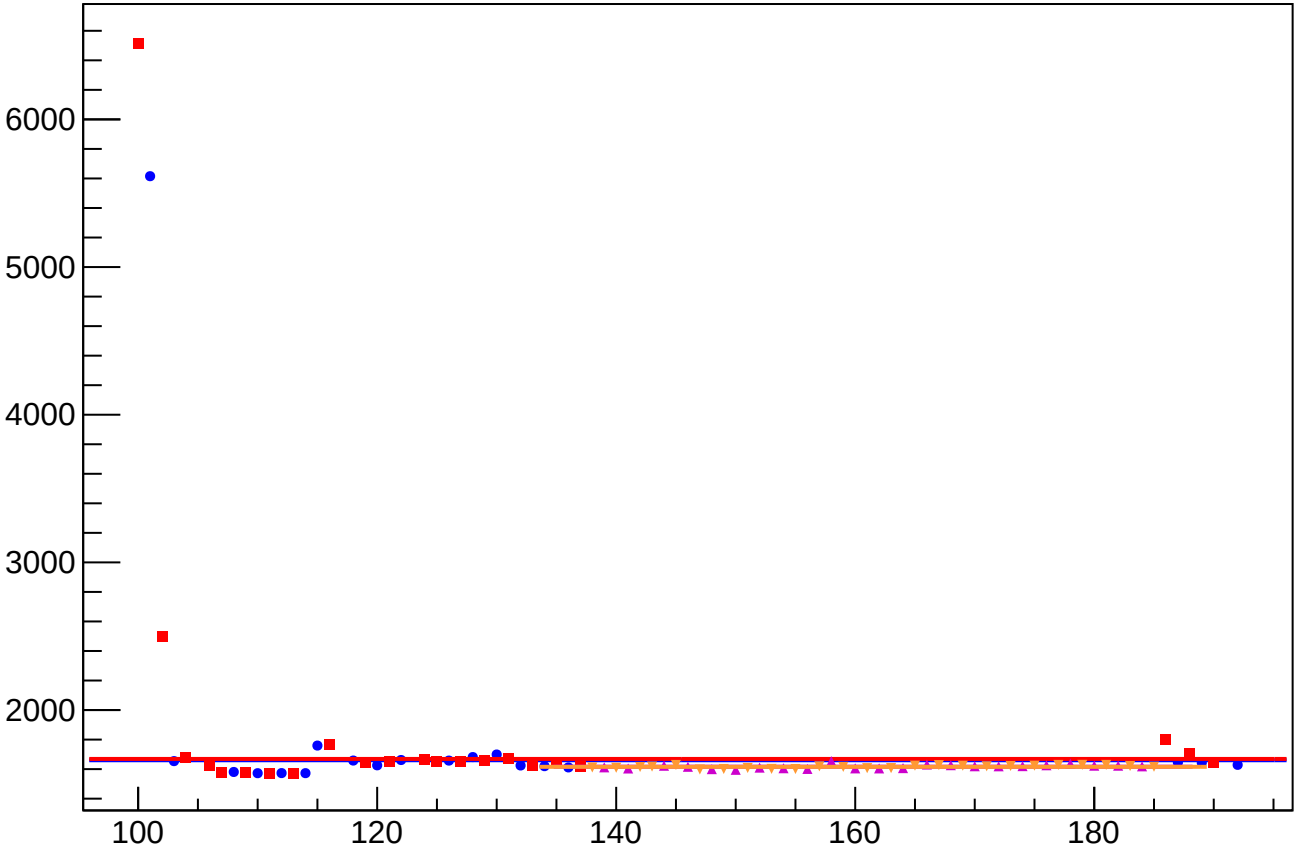
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2358.396+/-307.934 χ^2/NDF: 43.9/43

All: 61.818+/-219.430 χ^2/NDF: 204.5/88

- sign -2307.353+/-312.763 χ^2/NDF: 47.6/44

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1660.122+/-0.400 χ^2/NDF: 663955.9/18

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

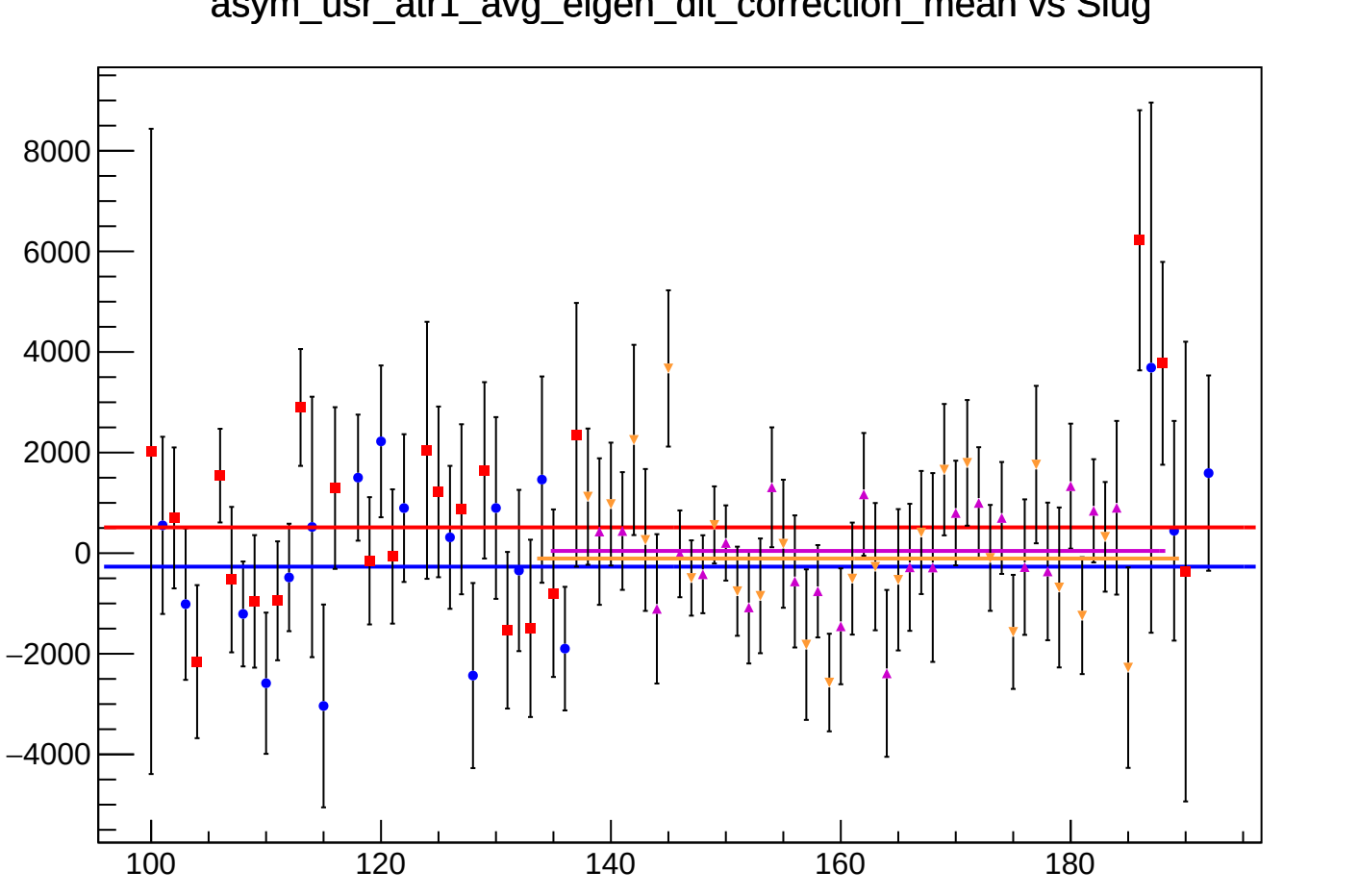
Right Out: 1668.969+/-0.395 χ^2/NDF: 199157.8/21

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1628.799+/-0.218 χ^2/NDF: 674101.2/43

All: 1630.787+/-0.155 χ^2/NDF: 888158.0/88

- sign 1632.838+/-0.221 χ^2/NDF: 213887.5/44



Right In: -268.253+/-355.841 χ^2/NDF: 17.4/18

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

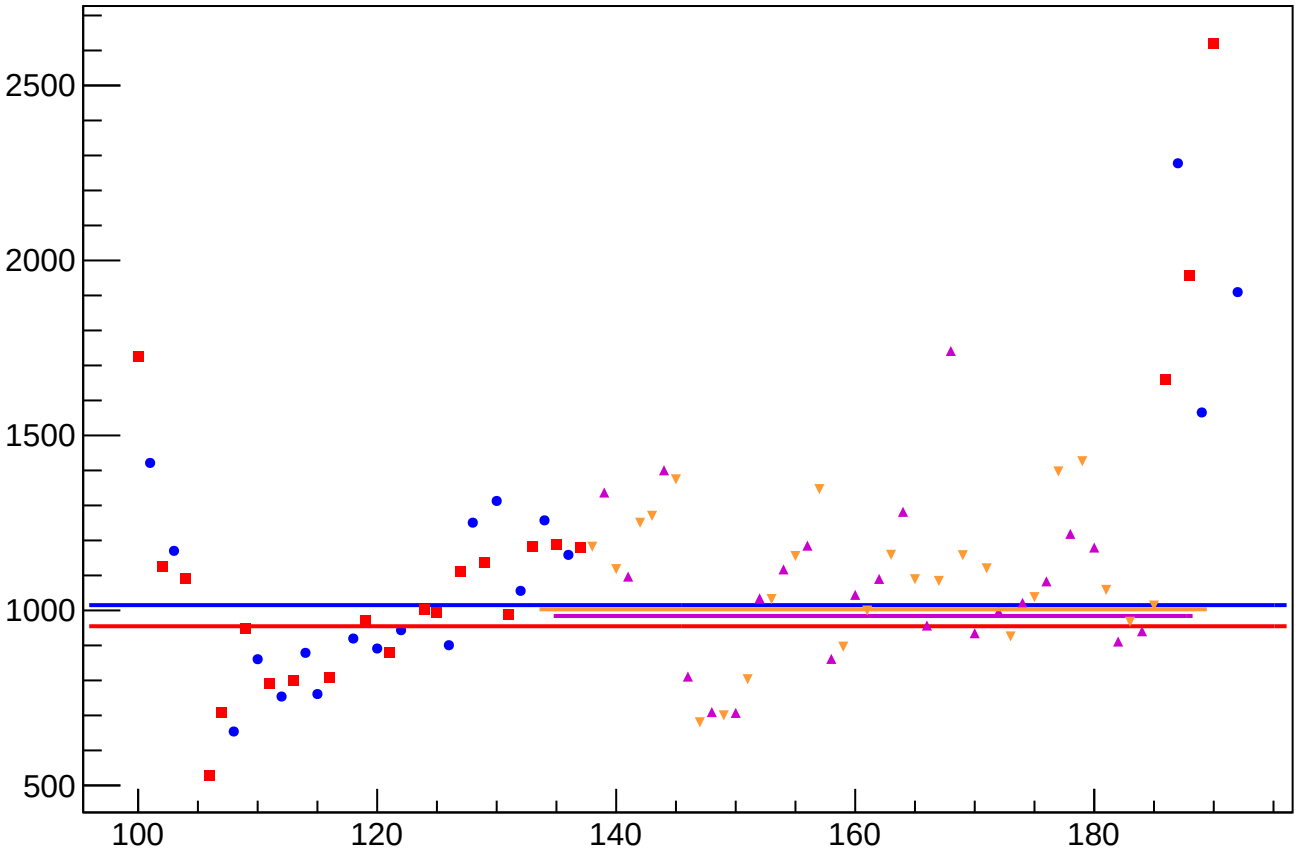
Right Out: 512.869+/-332.183 χ^2/NDF: 25.2/21

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

\+ sign -155.309+/-195.693 χ^2/NDF: 46.6/43

All: 26.190+/-137.140 χ^2/NDF: 87.6/88

\- sign 201.350+/-192.245 χ^2/NDF: 39.3/44



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

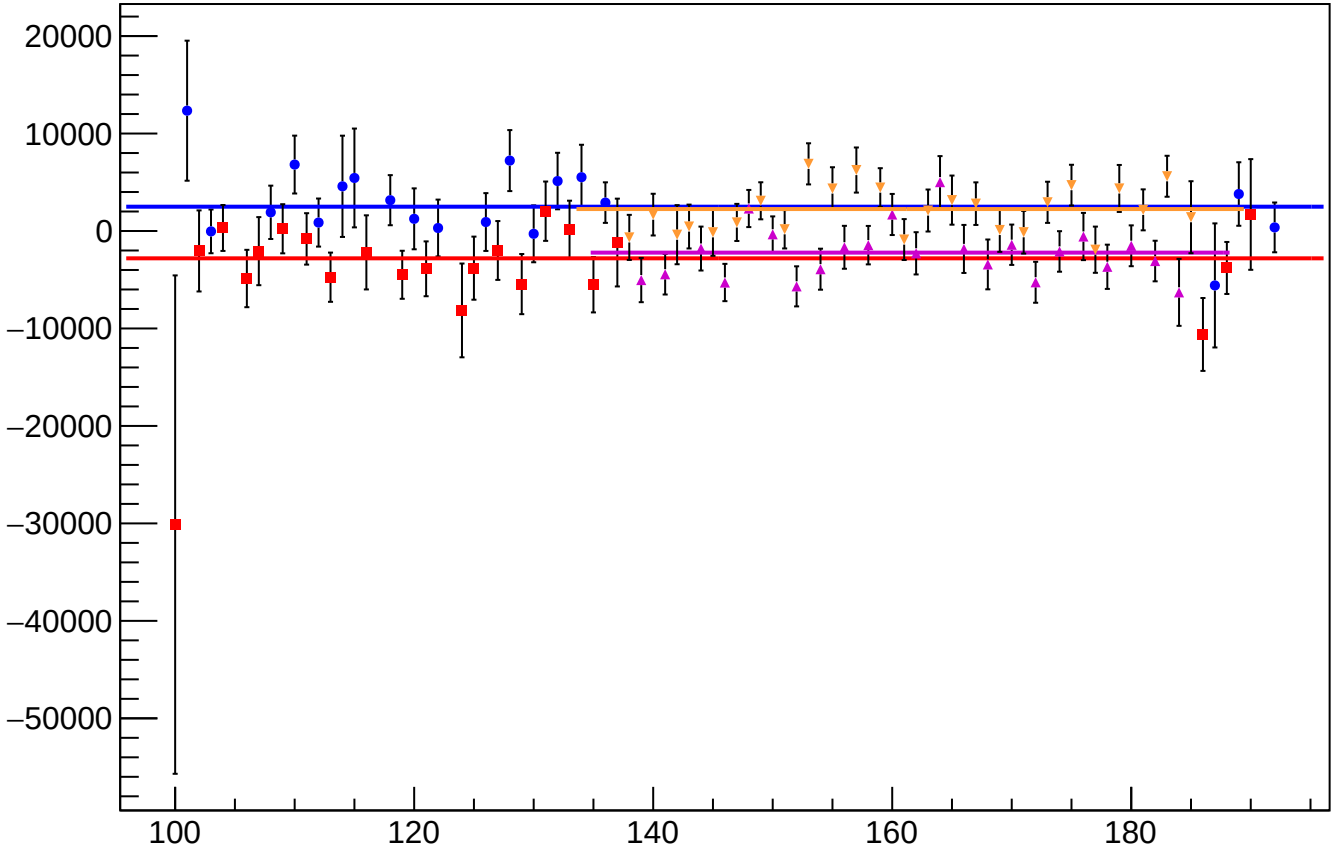
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1006.744+/-0.138 χ^2/NDF: 3001095.0/43

All: 990.215+/-0.097 χ^2/NDF: 6287009.8/88

- sign 974.263+/-0.136 χ^2/NDF: 3257875.8/44

asym_usr_atr1_avg_mean vs Slug



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

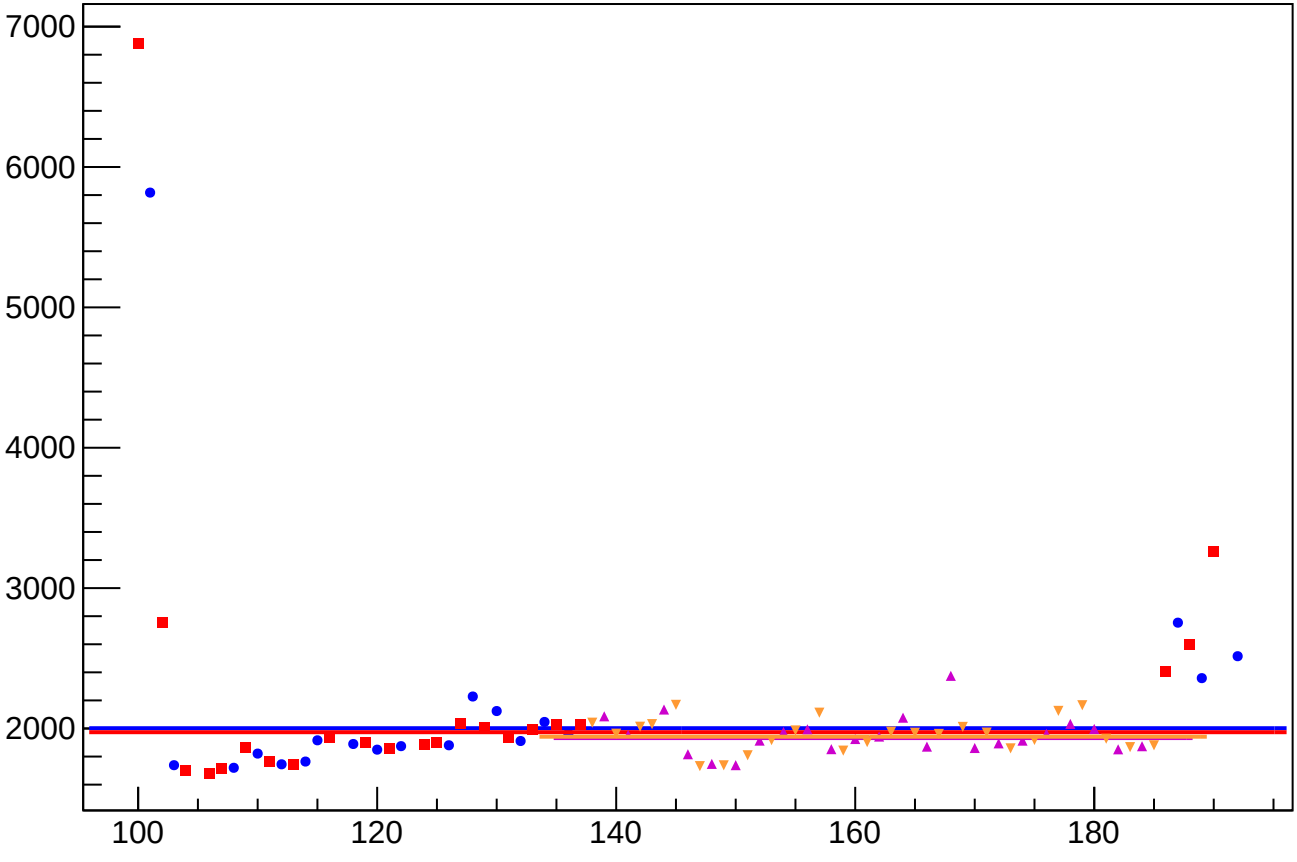
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2323.216+/-371.735 χ^2/NDF: 43.1/43

All: -23.477+/-263.782 χ^2/NDF: 173.9/88

- sign -2403.501+/-374.366 χ^2/NDF: 50.6/44

asym_usr_atr1_avg_rms vs Slug



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

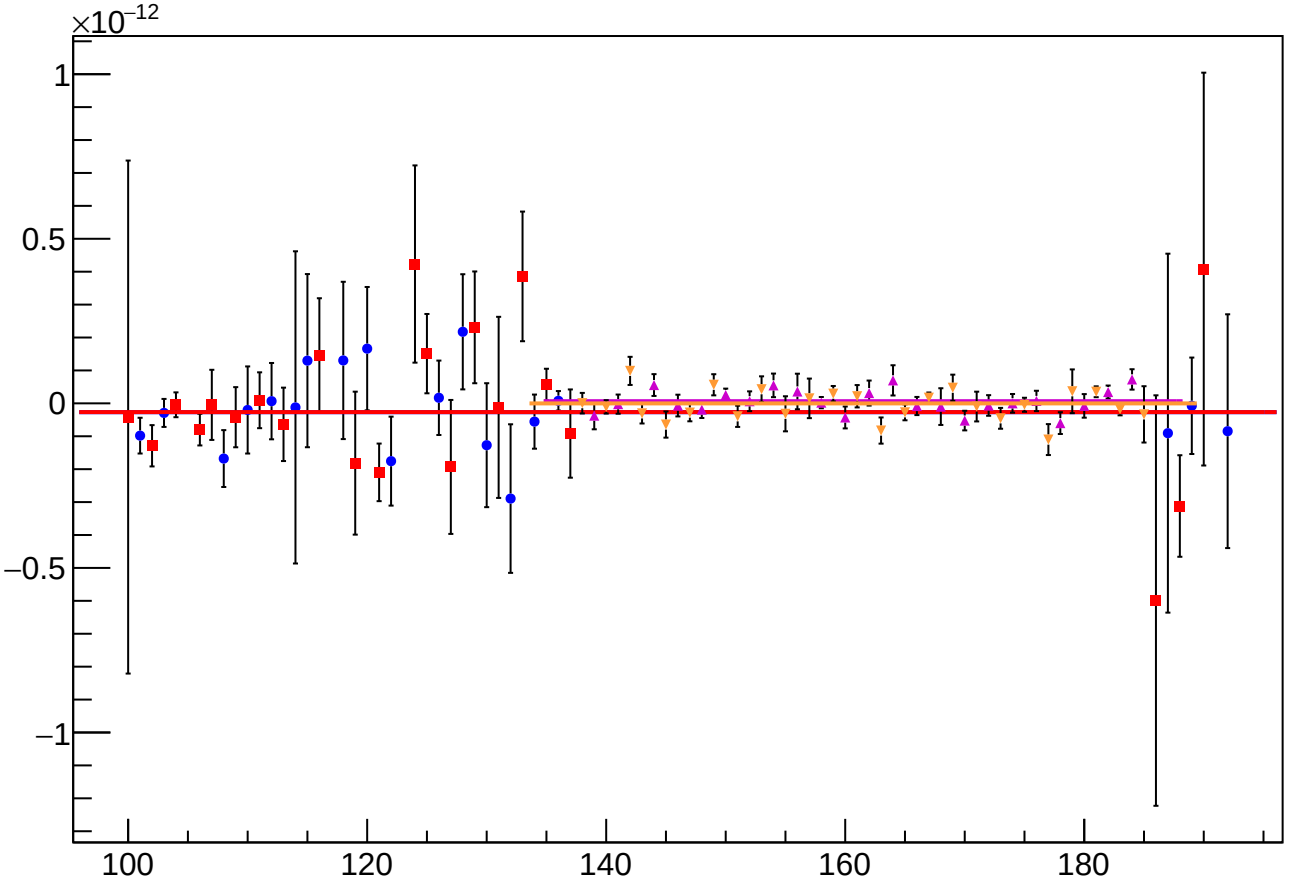
Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 1959.289+/-0.263 χ^2/NDF: 962255.9/43

All: 1952.175+/-0.187 χ^2/NDF: 1614248.5/88

- sign 1944.960+/-0.265 χ^2/NDF: 650517.1/44

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

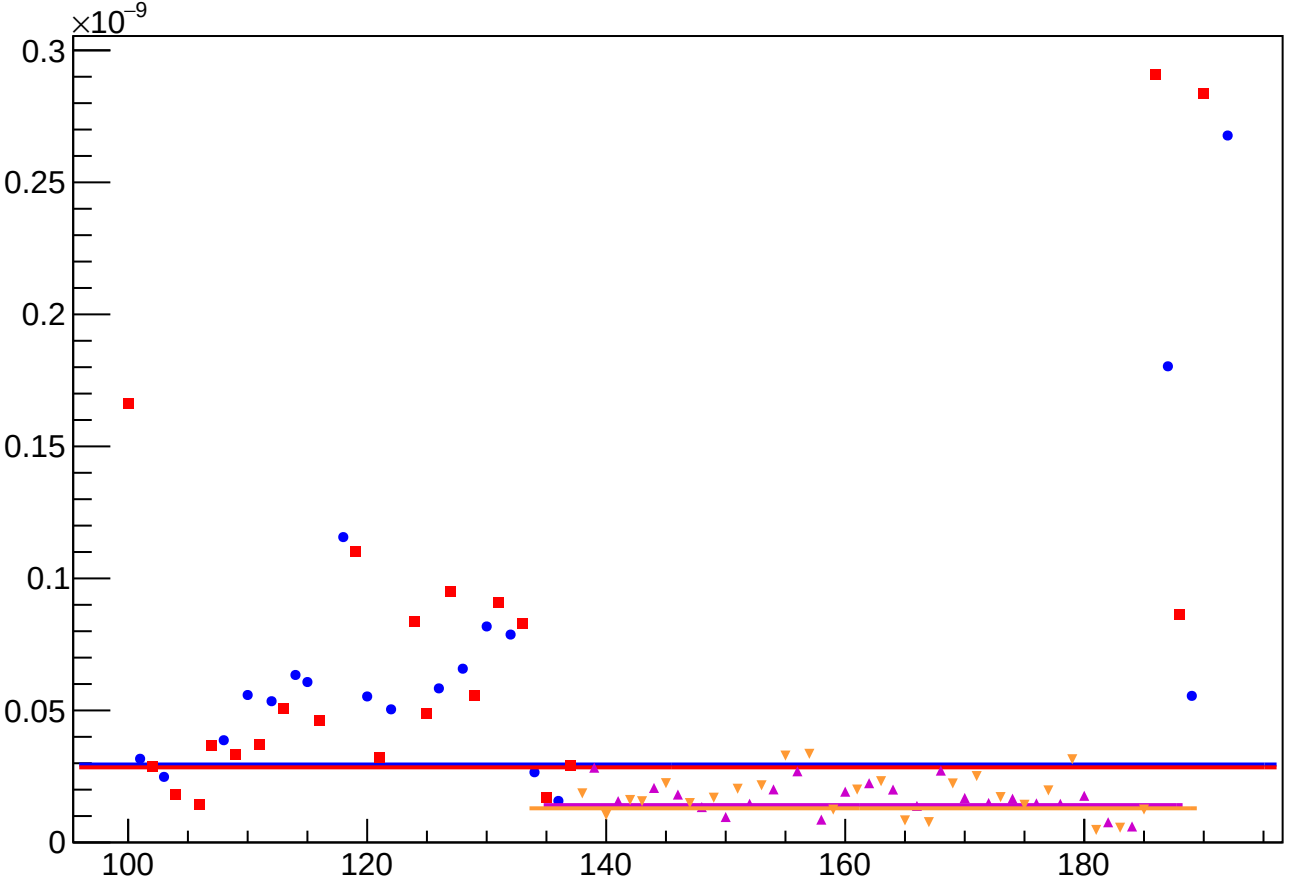
Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/21

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.0/43

All: 0.000+/-0.000 χ^2/NDF: 116.0/88

- sign 0.000+/-0.000 χ^2/NDF: 60.5/44



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

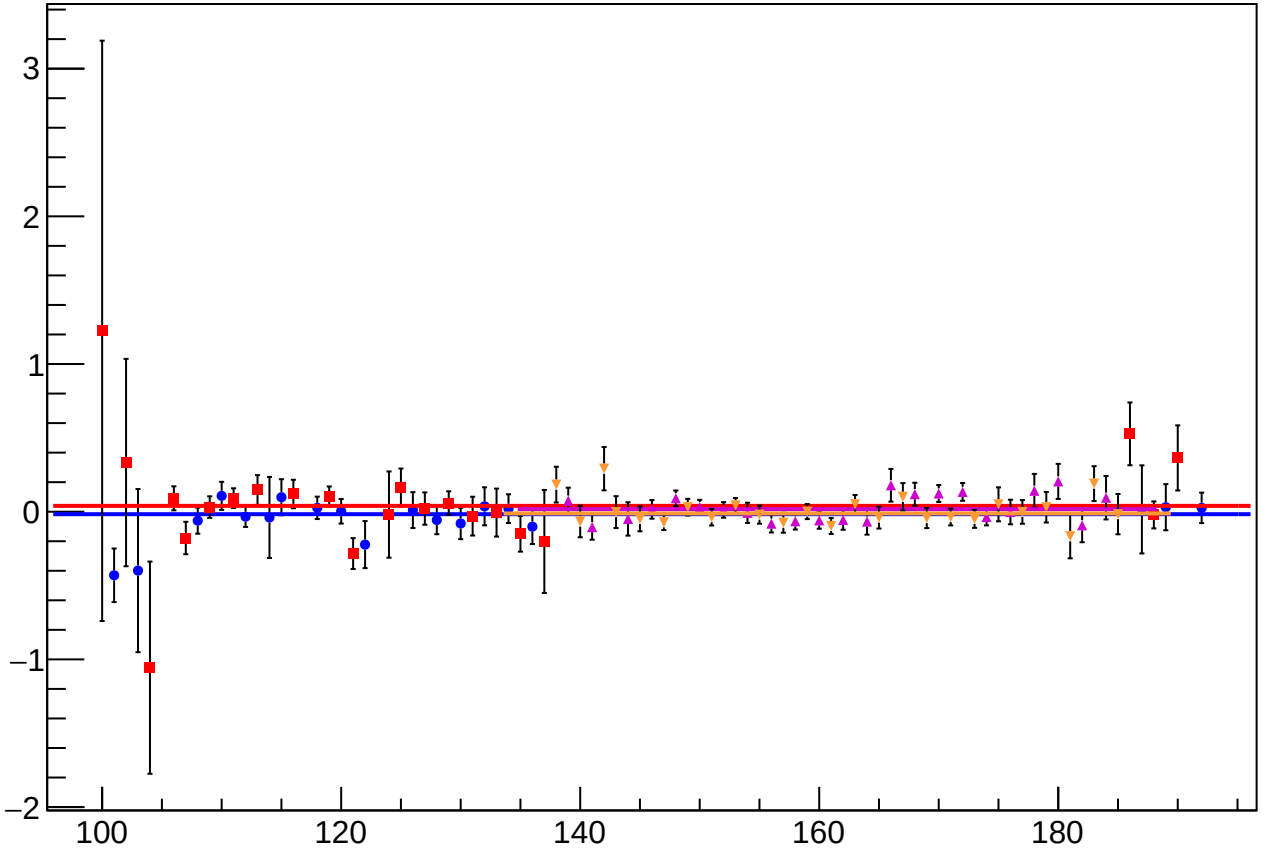
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6847530.9/43

All: 0.000+/-0.000 χ^2/NDF: 11989554.3/88

- sign 0.000+/-0.000 χ^2/NDF: 5099456.9/44

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



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

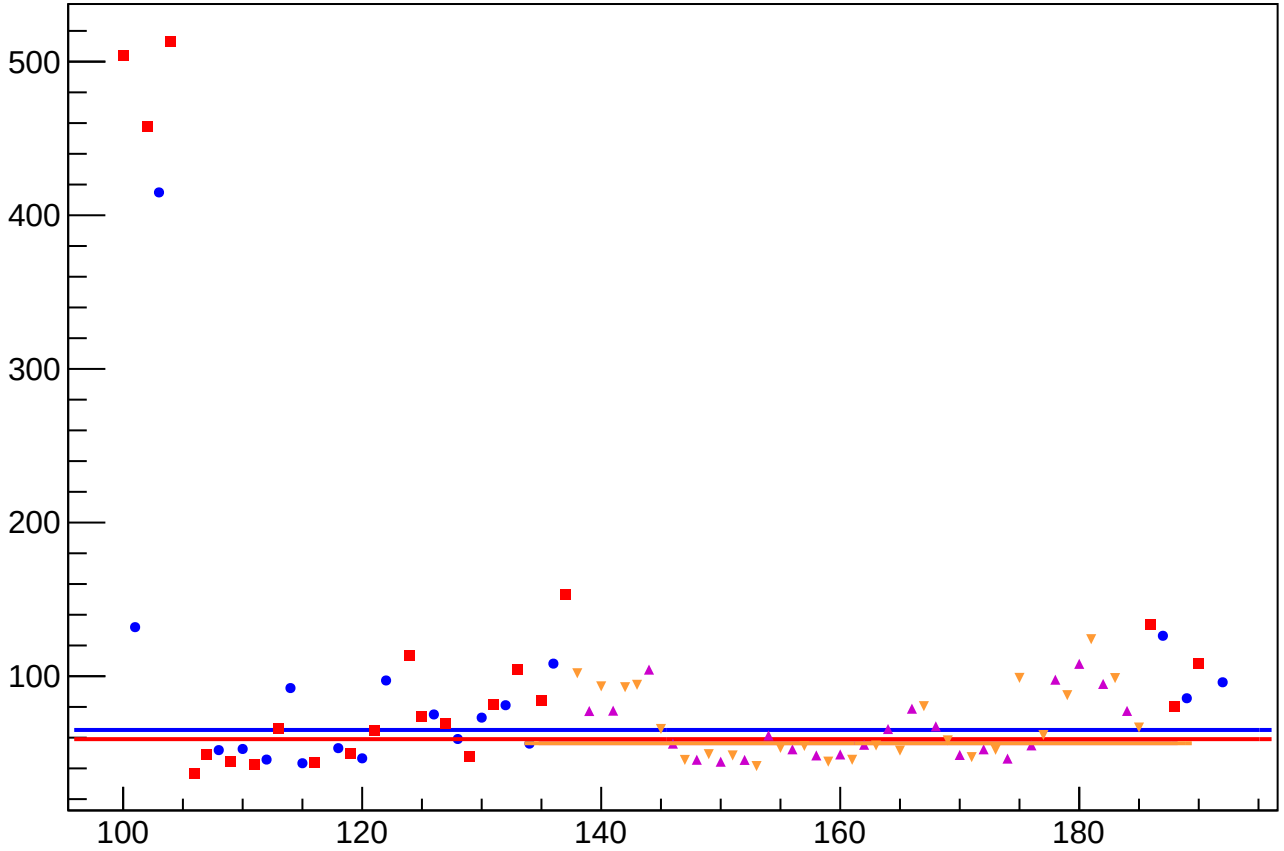
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.013+/-0.012 χ^2/NDF: 34.2/43

All: 0.005+/-0.009 χ^2/NDF: 102.0/88

- sign 0.023+/-0.012 χ^2/NDF: 63.6/44

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 65.017+/-0.018 χ^2/NDF: 2266408.3/18

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

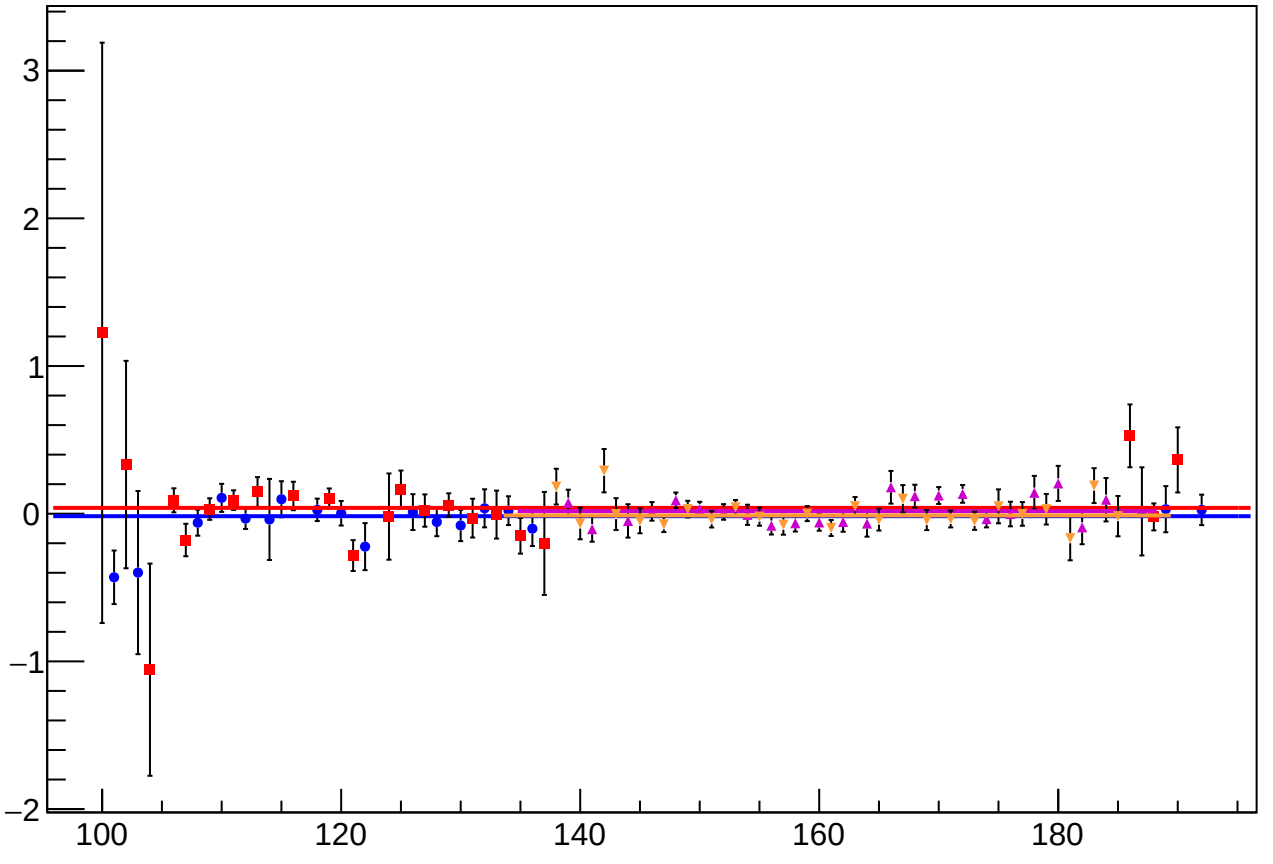
Right Out: 59.035+/-0.017 χ^2/NDF: 3080248.5/21

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 58.472+/-0.009 χ^2/NDF: 5240681.2/43

All: 57.817+/-0.006 χ^2/NDF: 10489297.9/88

- sign 57.176+/-0.009 χ^2/NDF: 5237679.0/44



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

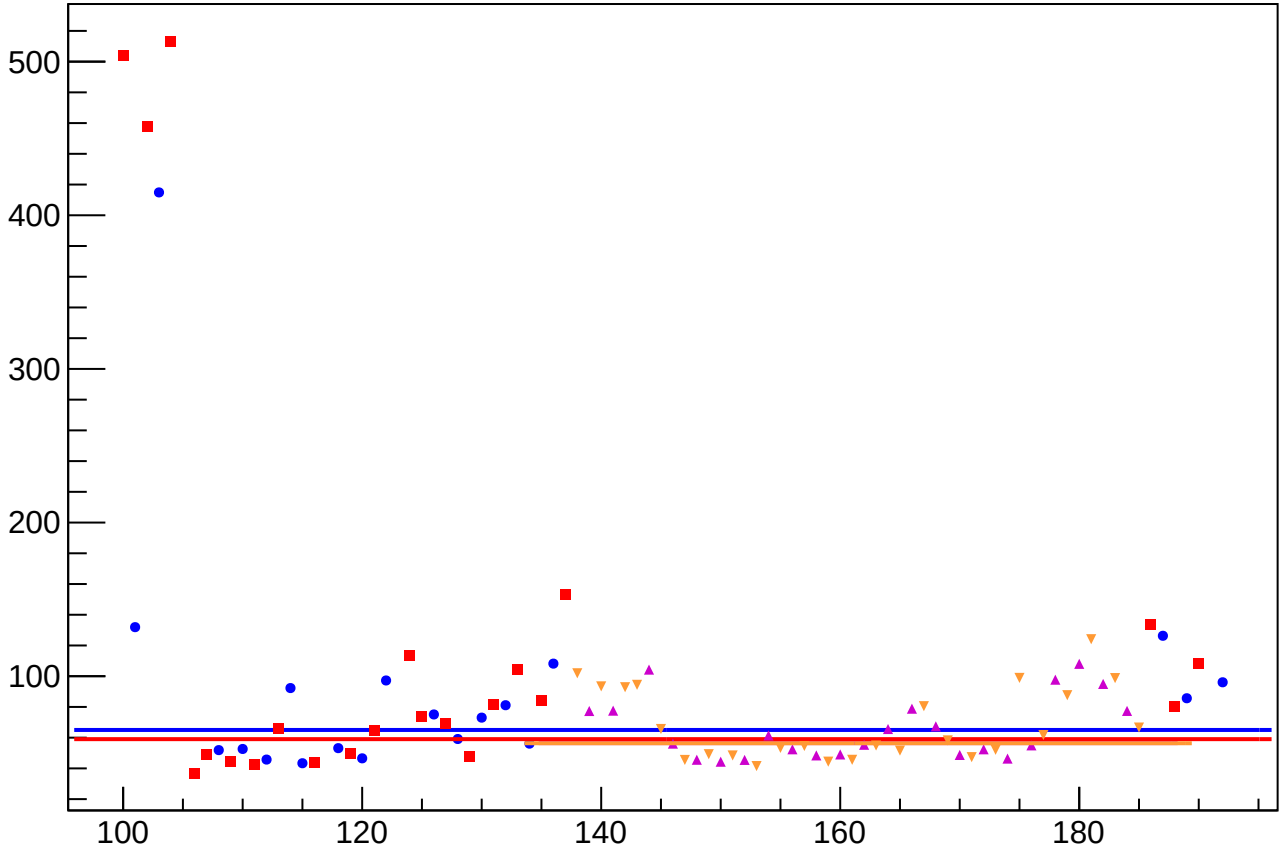
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.013+/-0.012 χ^2/NDF: 34.2/43

All: 0.005+/-0.009 χ^2/NDF: 102.0/88

- sign 0.023+/-0.012 χ^2/NDF: 63.6/44

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.017+/-0.018 χ^2/NDF: 2266408.3/18

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

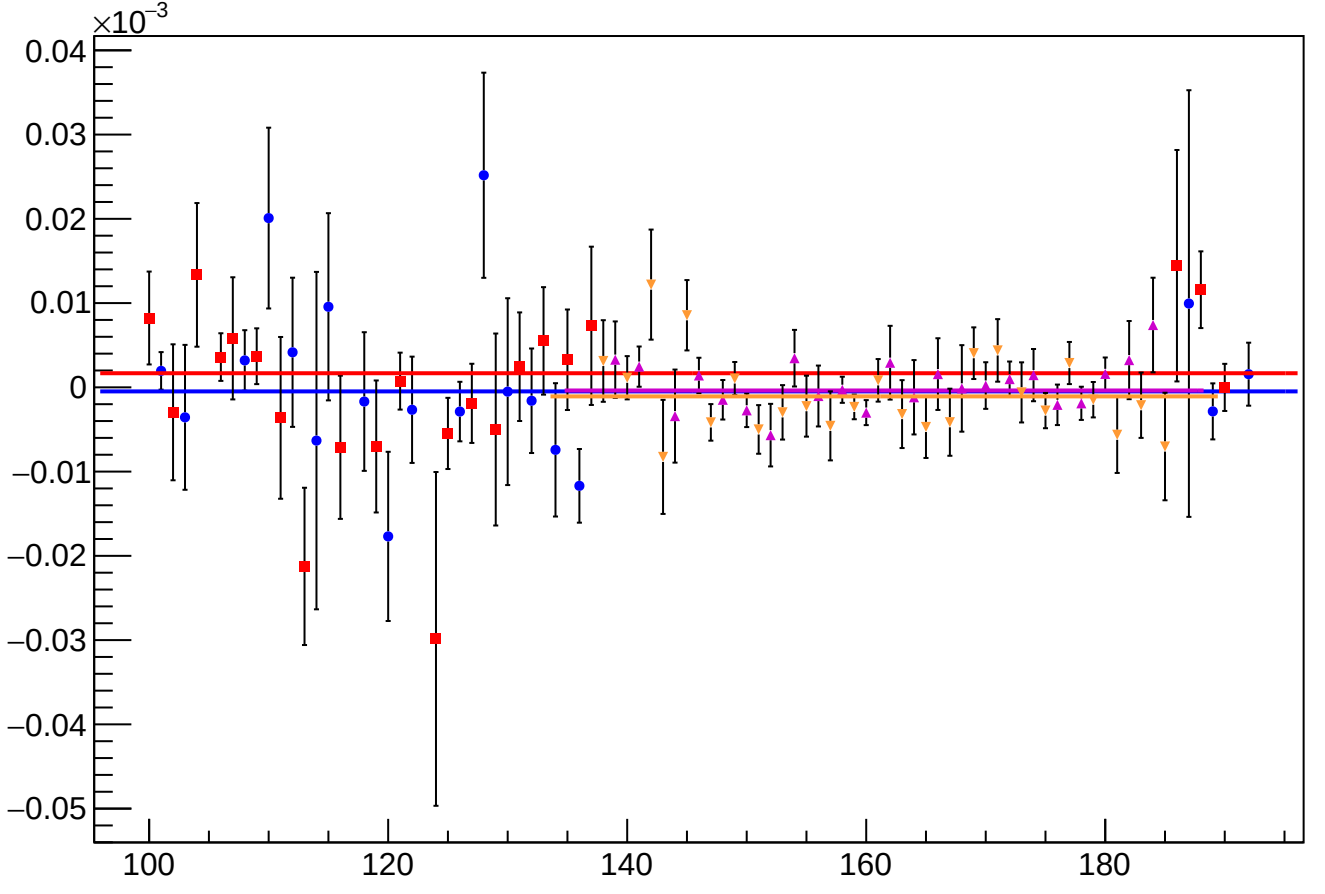
Right Out: 59.035+/-0.017 χ^2/NDF: 3080248.5/21

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 58.472+/-0.009 χ^2/NDF: 5240681.2/43

All: 57.817+/-0.006 χ^2/NDF: 10489297.9/88

- sign 57.176+/-0.009 χ^2/NDF: 5237679.0/44



Right In: -0.000+/-0.000 χ^2/NDF: 23.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

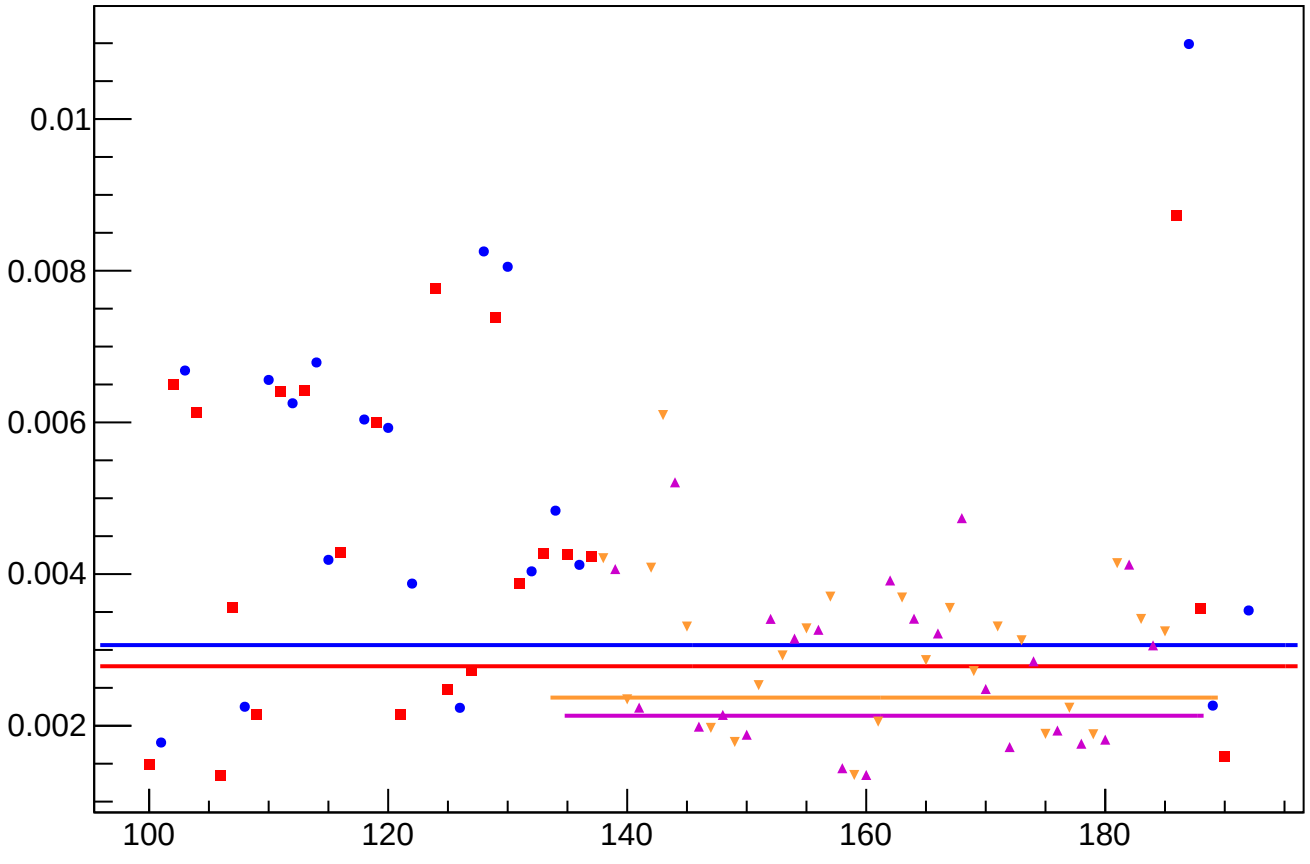
Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/21

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.3/43

All: -0.000+/-0.000 χ^2/NDF: 104.0/88

- sign 0.000+/-0.000 χ^2/NDF: 46.8/44



Right In: 0.003+/-0.000 χ^2/NDF: 3627449.1/18

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

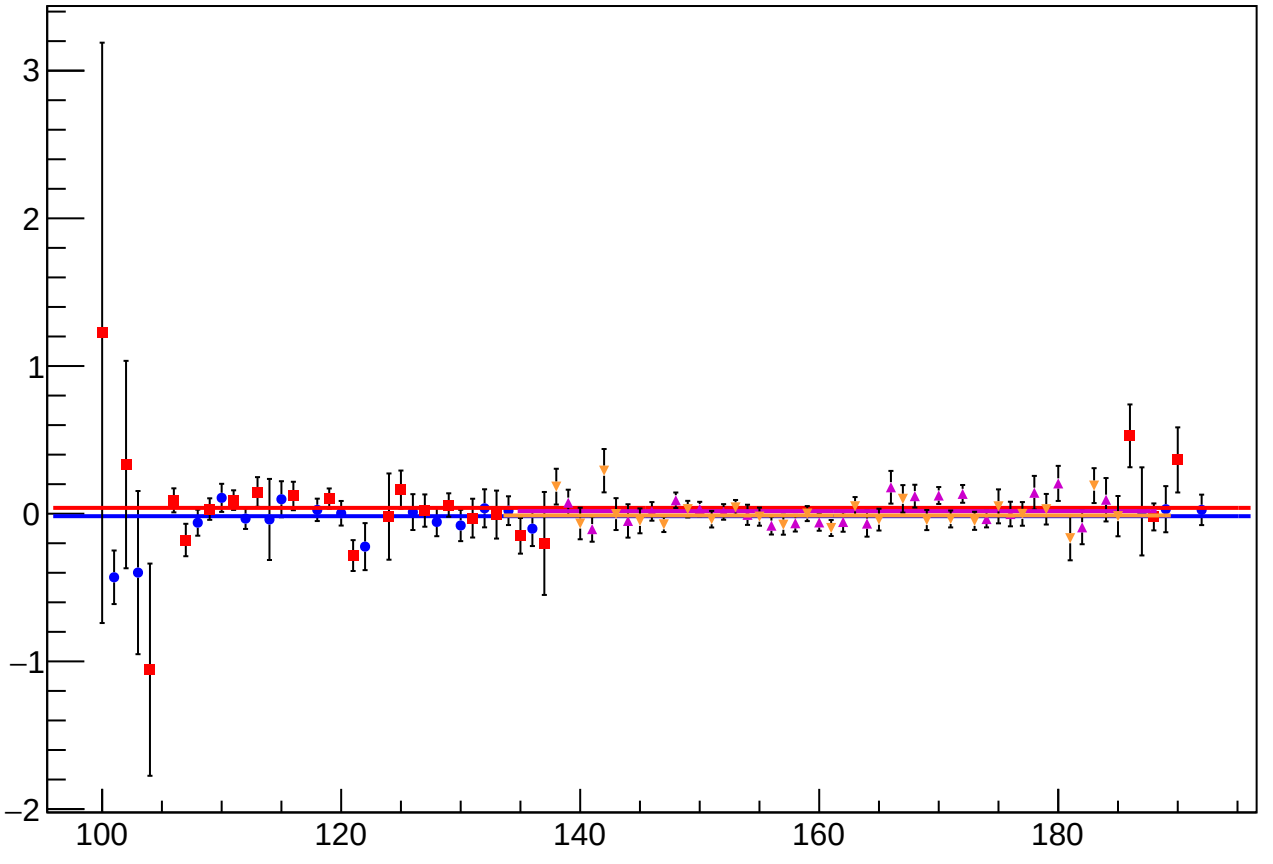
Right Out: 0.003+/-0.000 χ^2/NDF: 4110061.6/21

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 8348065.7/43

All: 0.002+/-0.000 χ^2/NDF: 17792522.6/88

- sign 0.002+/-0.000 χ^2/NDF: 9194952.6/44



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

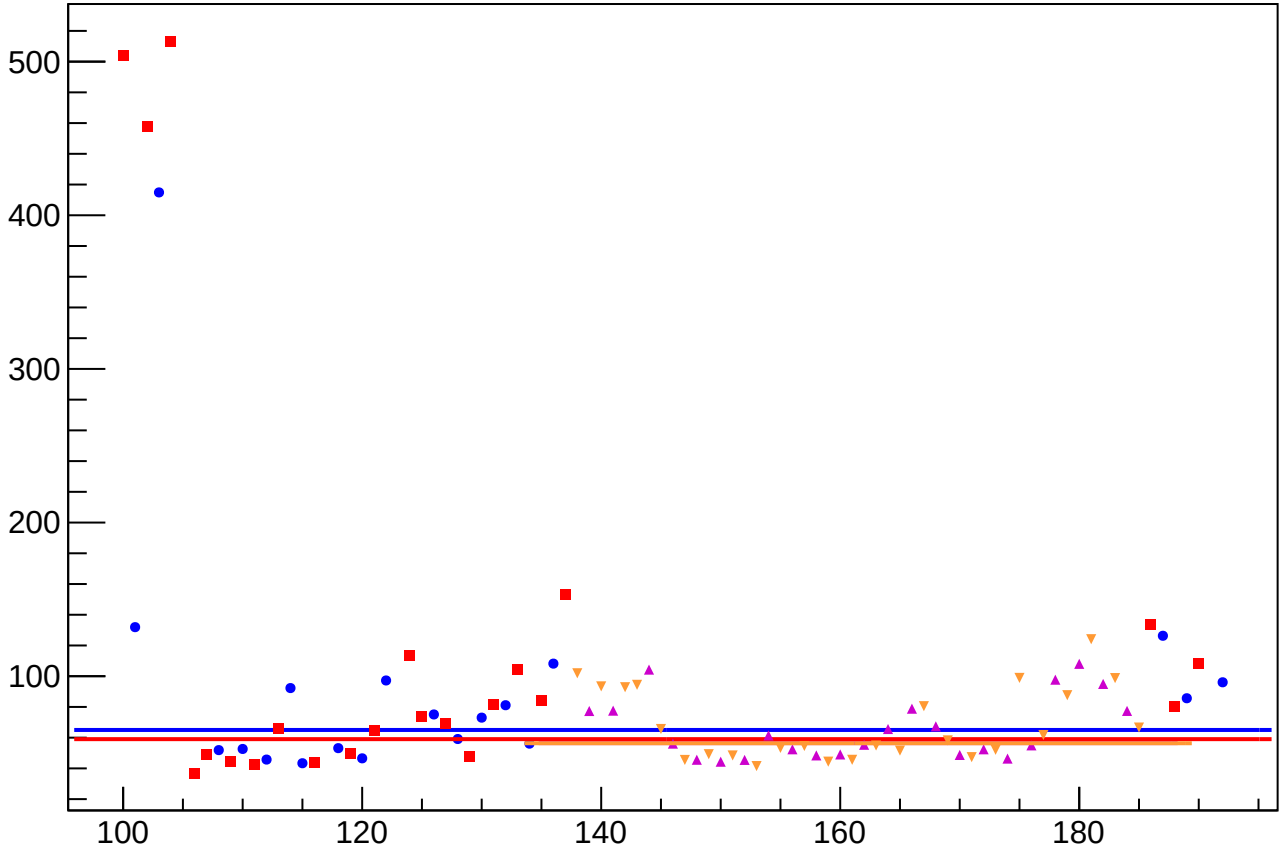
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.013+/-0.012 χ^2/NDF: 34.2/43

All: 0.005+/-0.009 χ^2/NDF: 102.0/88

- sign 0.023+/-0.012 χ^2/NDF: 63.6/44

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 65.016+/-0.018 χ^2/NDF: 2266379.8/18

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

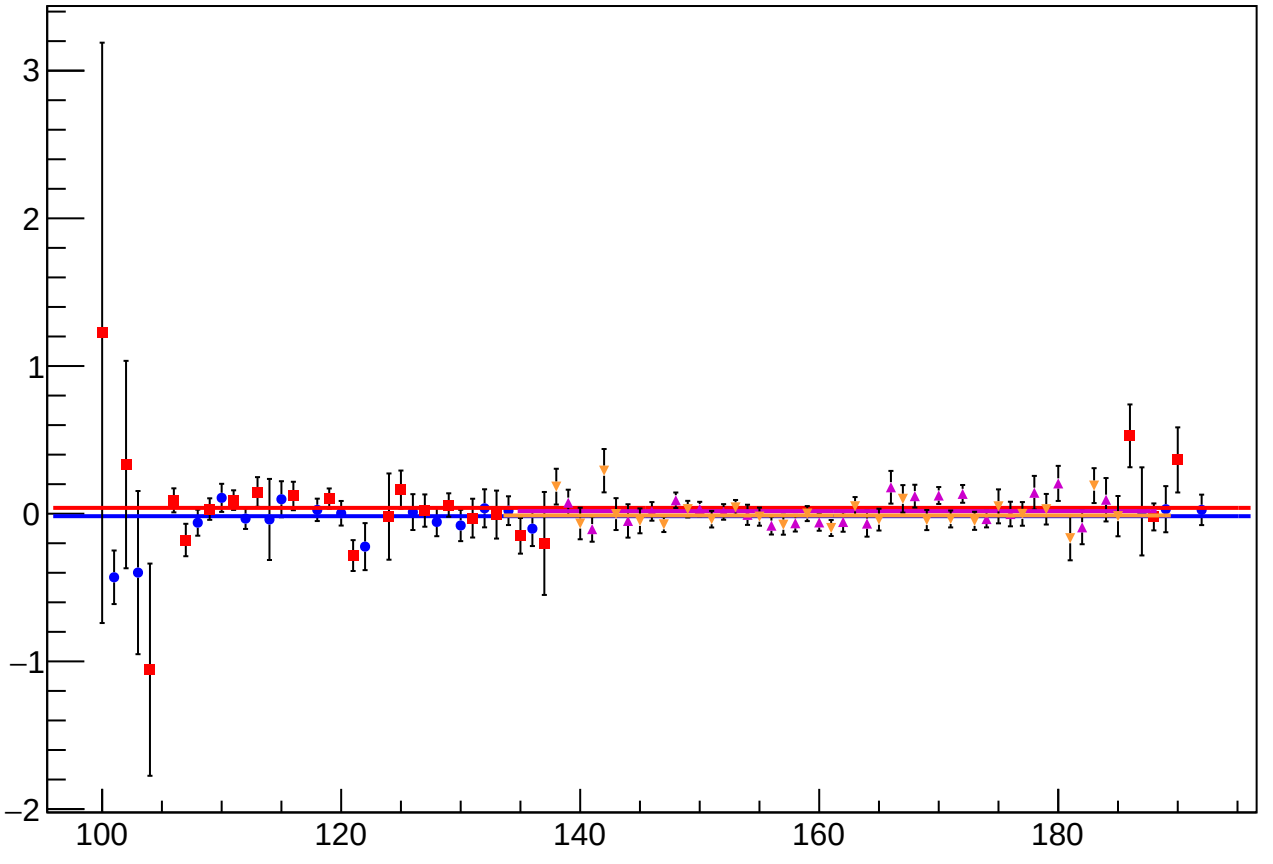
Right Out: 59.034+/-0.017 χ^2/NDF: 3080247.0/21

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 58.472+/-0.009 χ^2/NDF: 5240694.3/43

All: 57.817+/-0.006 χ^2/NDF: 10489284.5/88

- sign 57.176+/-0.009 χ^2/NDF: 5237650.0/44



Right In: -0.017+/-0.025 χ^2/NDF: 12.3/18

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

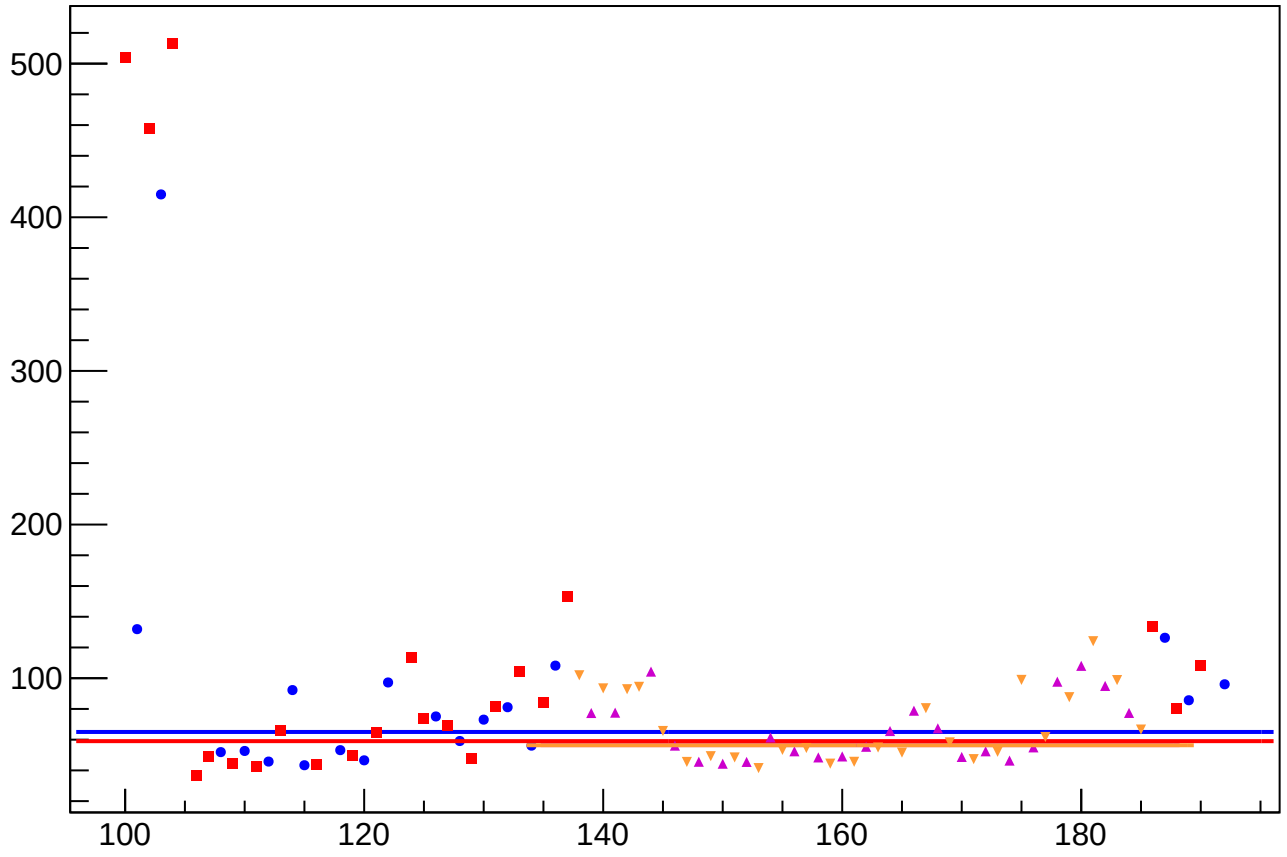
Right Out: 0.039+/-0.023 χ^2/NDF: 32.3/21

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.013+/-0.012 χ^2/NDF: 34.2/43

All: 0.005+/-0.009 χ^2/NDF: 102.0/88

- sign 0.023+/-0.012 χ^2/NDF: 63.6/44



Right In: 65.016+/-0.018 χ^2/NDF: 2266379.8/18

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

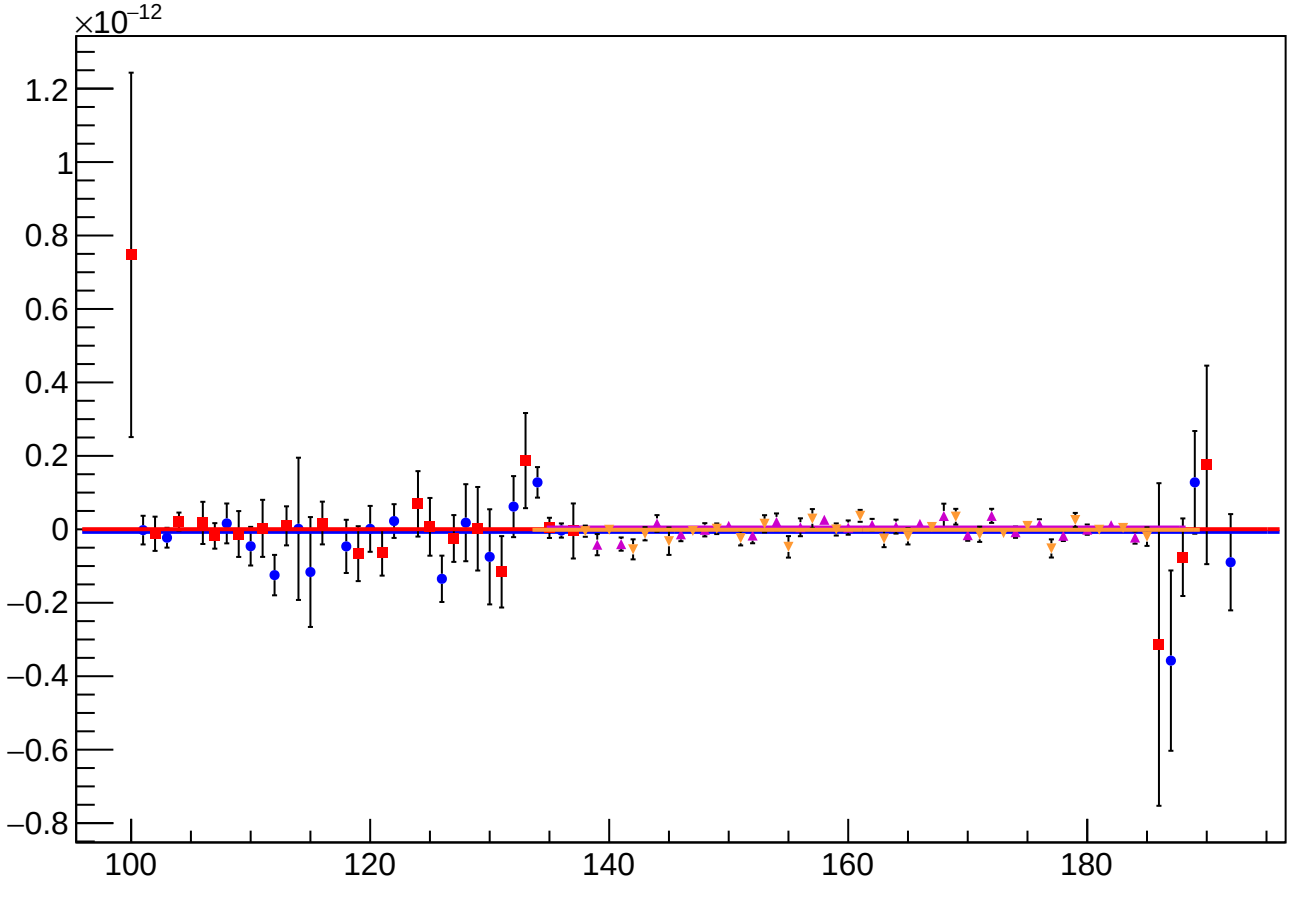
Right Out: 59.034+/-0.017 χ^2/NDF: 3080247.0/21

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 58.472+/-0.009 χ^2/NDF: 5240694.3/43

All: 57.817+/-0.006 χ^2/NDF: 10489284.5/88

- sign 57.176+/-0.009 χ^2/NDF: 5237650.0/44



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

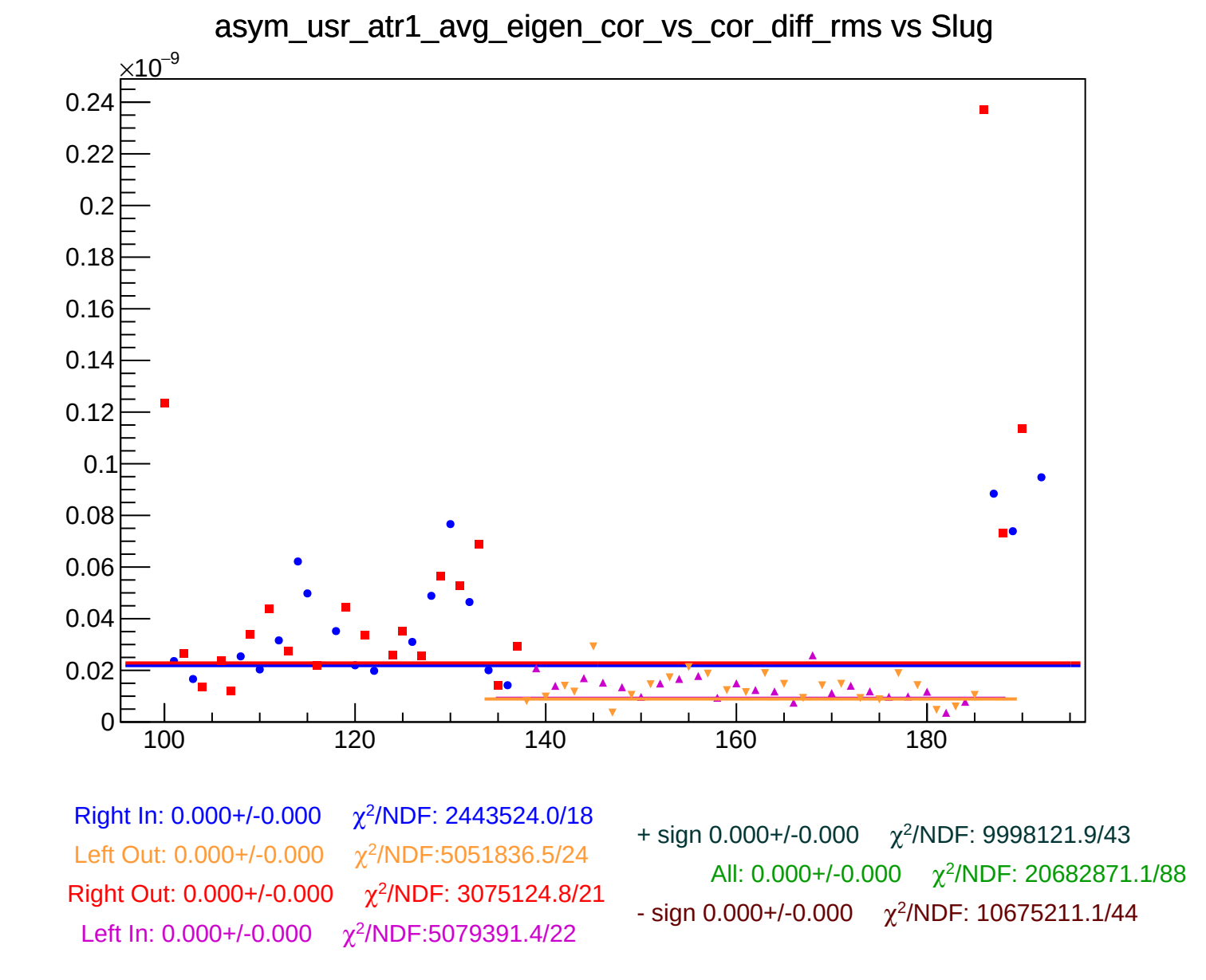
Right Out: 0.000+/-0.000 χ^2/NDF: 11.2/21

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

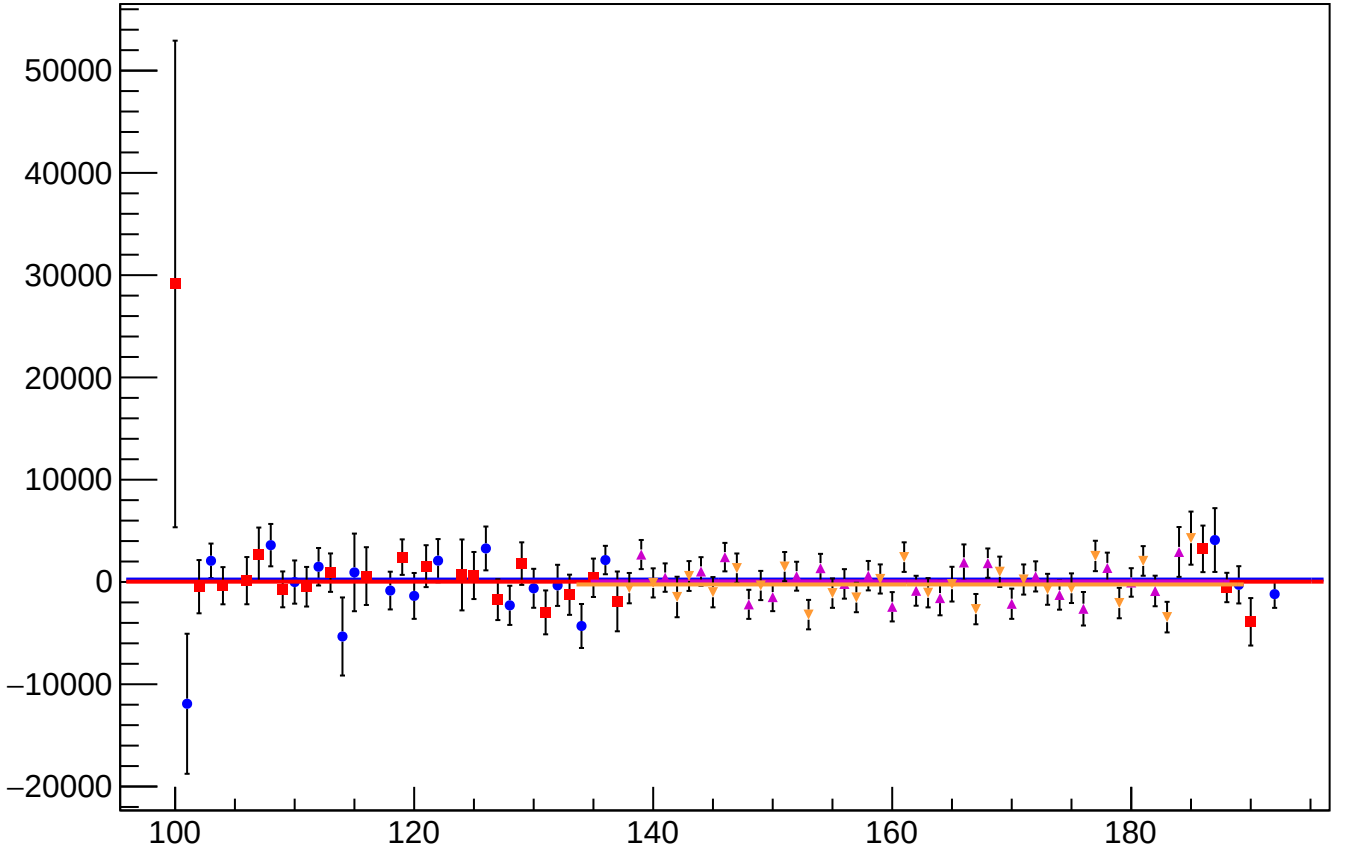
+ sign -0.000+/-0.000 χ^2/NDF: 55.8/43

All: 0.000+/-0.000 χ^2/NDF: 97.9/88

- sign 0.000+/-0.000 χ^2/NDF: 39.7/44


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×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
+ sign 0.000+/-0.000 χ²/NDF: 9998121.9/43
All: 0.000+/-0.000 χ²/NDF: 20682871.1/88
- sign 0.000+/-0.000 χ²/NDF: 10675211.1/44

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 235.610+/-461.906 χ^2/NDF: 24.3/18

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 30.976+/-454.203 χ^2/NDF: 15.0/21

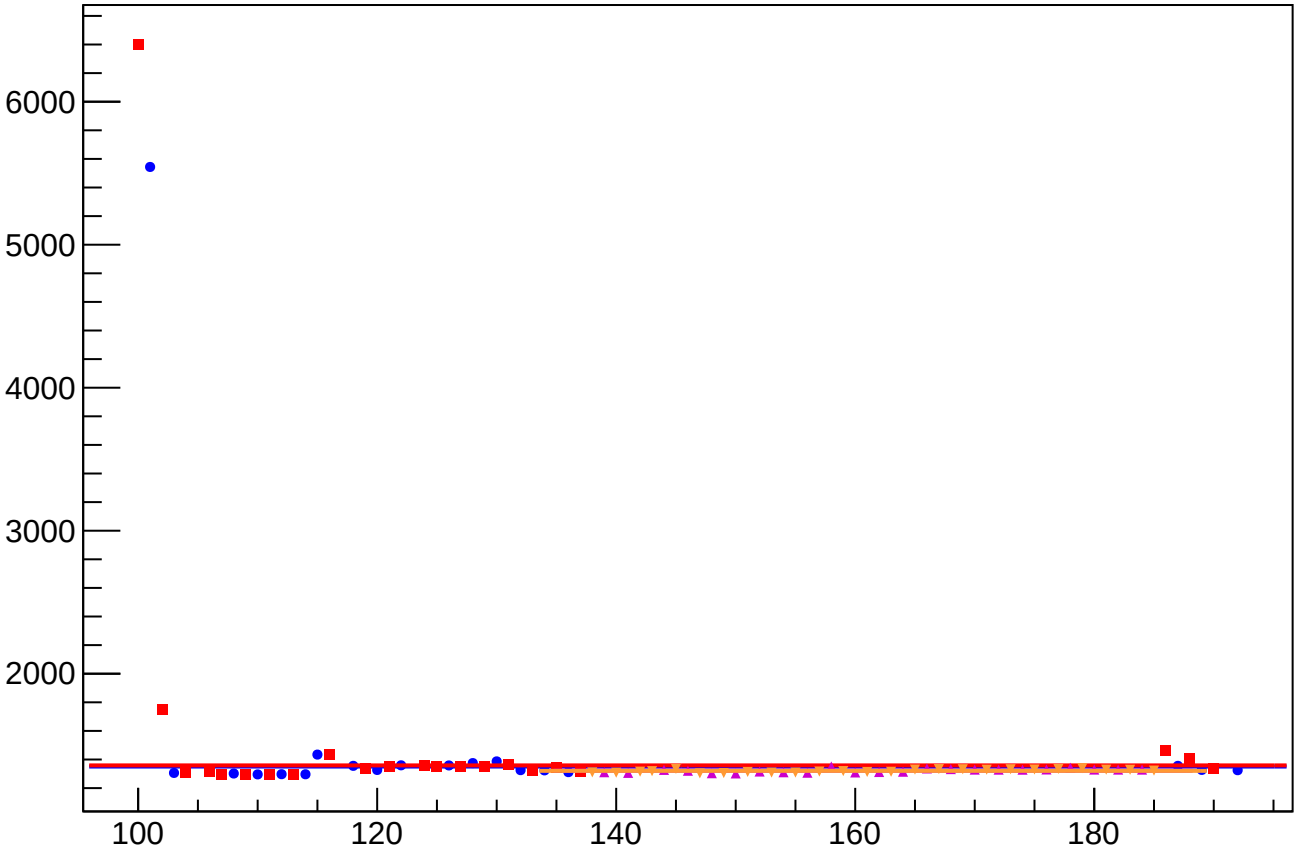
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -99.505+/-251.597 χ^2/NDF: 56.8/43

All: -32.464+/-179.190 χ^2/NDF: 99.1/88

- sign 36.549+/-255.269 χ^2/NDF: 42.1/44

reg_asym_usr_atr1_dd_rms vs Slug



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

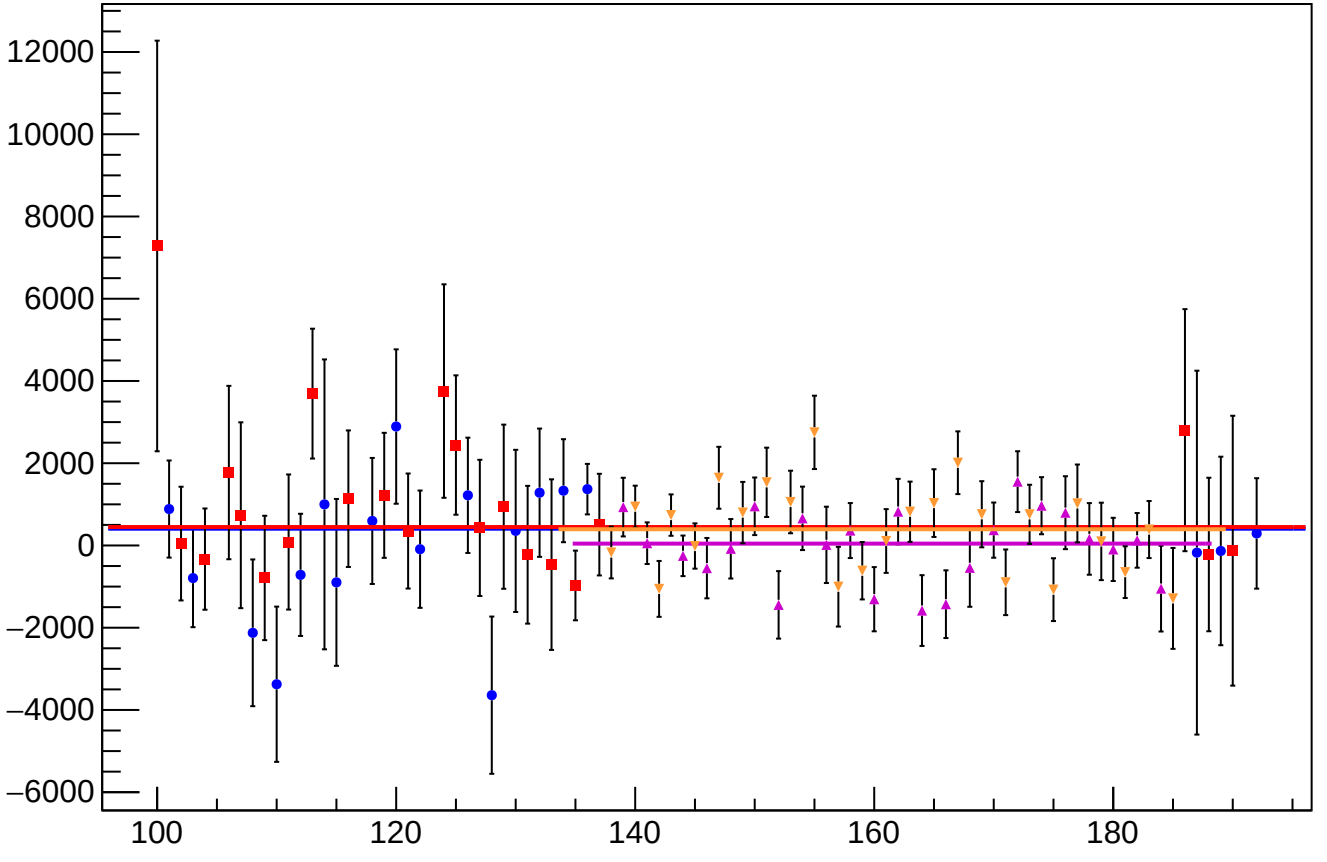
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.670+/-0.178 χ^2/NDF: 770132.5/43

All: 1331.553+/-0.127 χ^2/NDF: 937787.9/88

- sign 1333.492+/-0.181 χ^2/NDF: 167427.9/44

asym_usr_atr1_dd_reg_correction_mean vs Slug



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

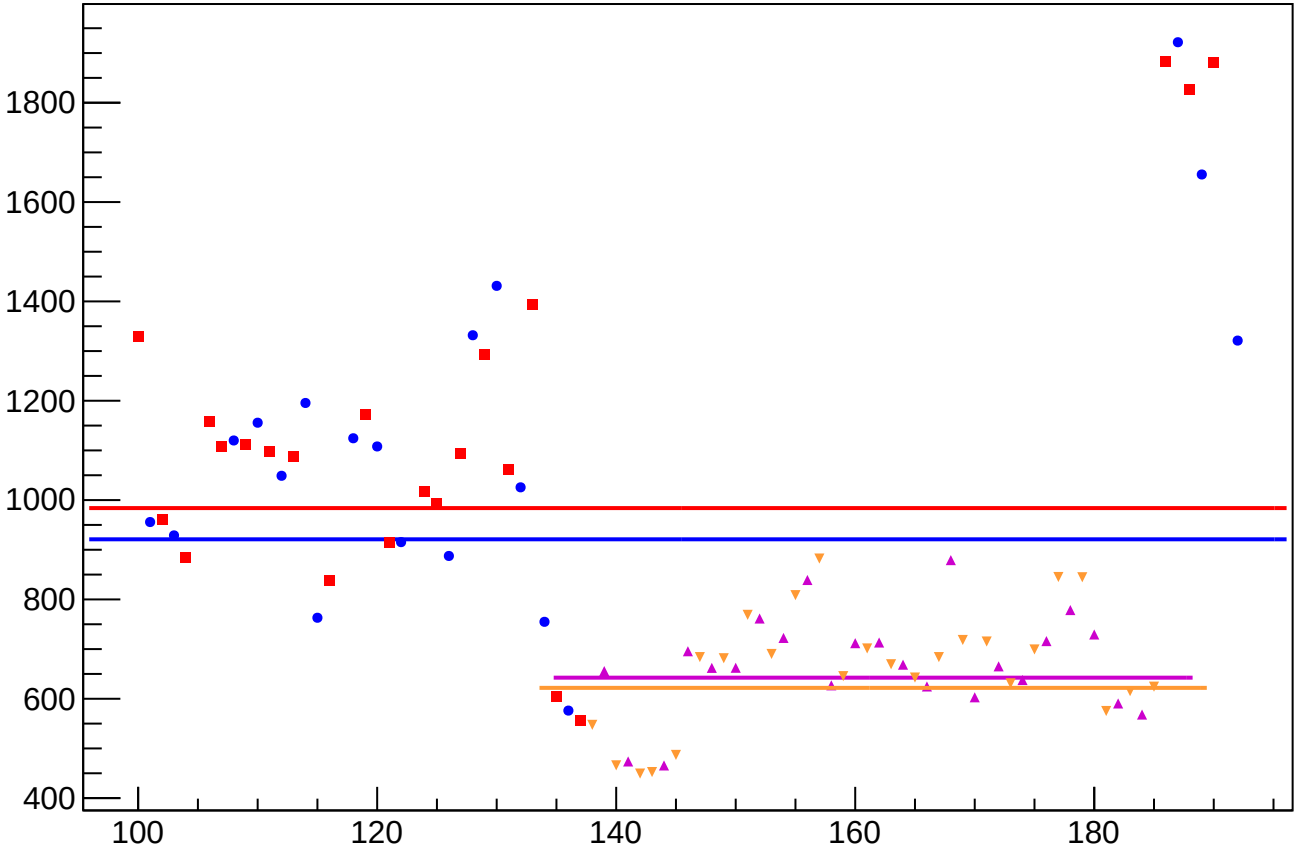
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 396.758+/-132.018 χ^2/NDF: 60.2/43

All: 261.392+/-95.838 χ^2/NDF: 106.3/88

- sign 110.573+/-139.350 χ^2/NDF: 43.9/44

asym_usr_atr1_dd_reg_correction_rms vs Slug



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

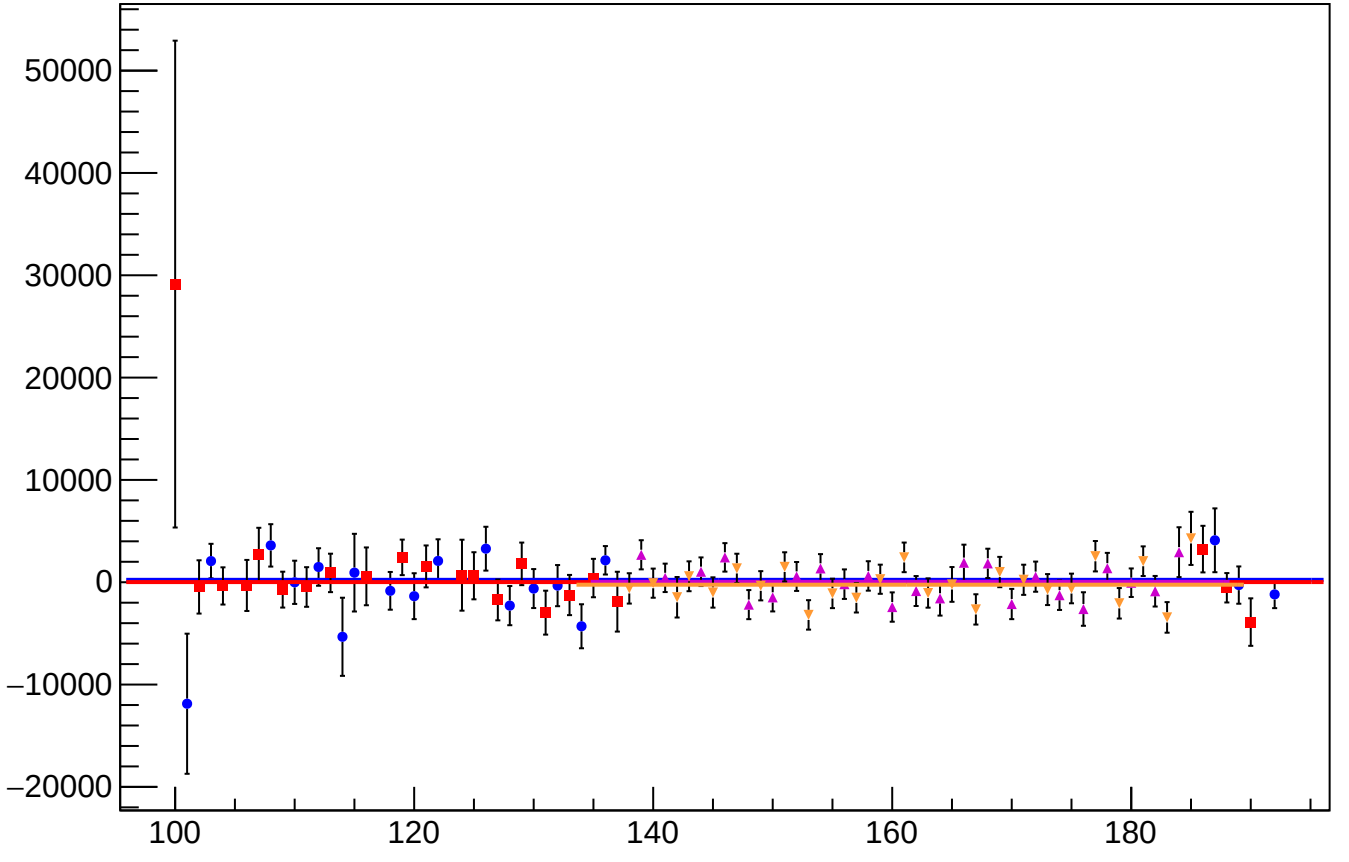
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 671.600+/-0.093 χ^2/NDF: 4343697.1/43

All: 684.175+/-0.068 χ^2/NDF: 8598270.4/88

- sign 698.185+/-0.099 χ^2/NDF: 4216211.5/44

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 235.844+/-461.906 χ^2/NDF: 24.3/18

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 15.928+/-455.476 χ^2/NDF: 15.0/21

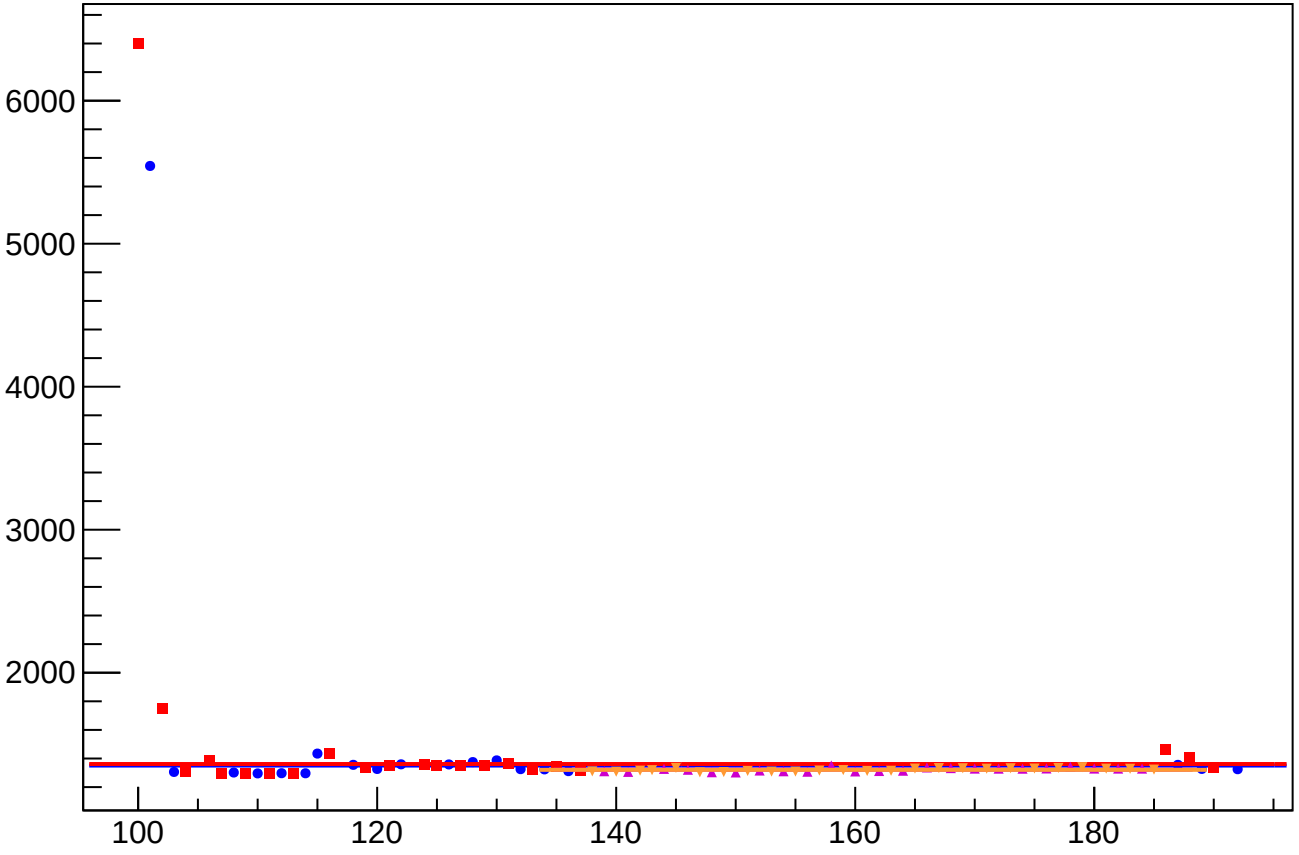
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -99.437+/-251.597 χ^2/NDF: 56.8/43

All: -34.791+/-179.268 χ^2/NDF: 99.1/88

- sign 31.873+/-255.494 χ^2/NDF: 42.1/44

cor_asym_usr_atr1_dd_rms vs Slug



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

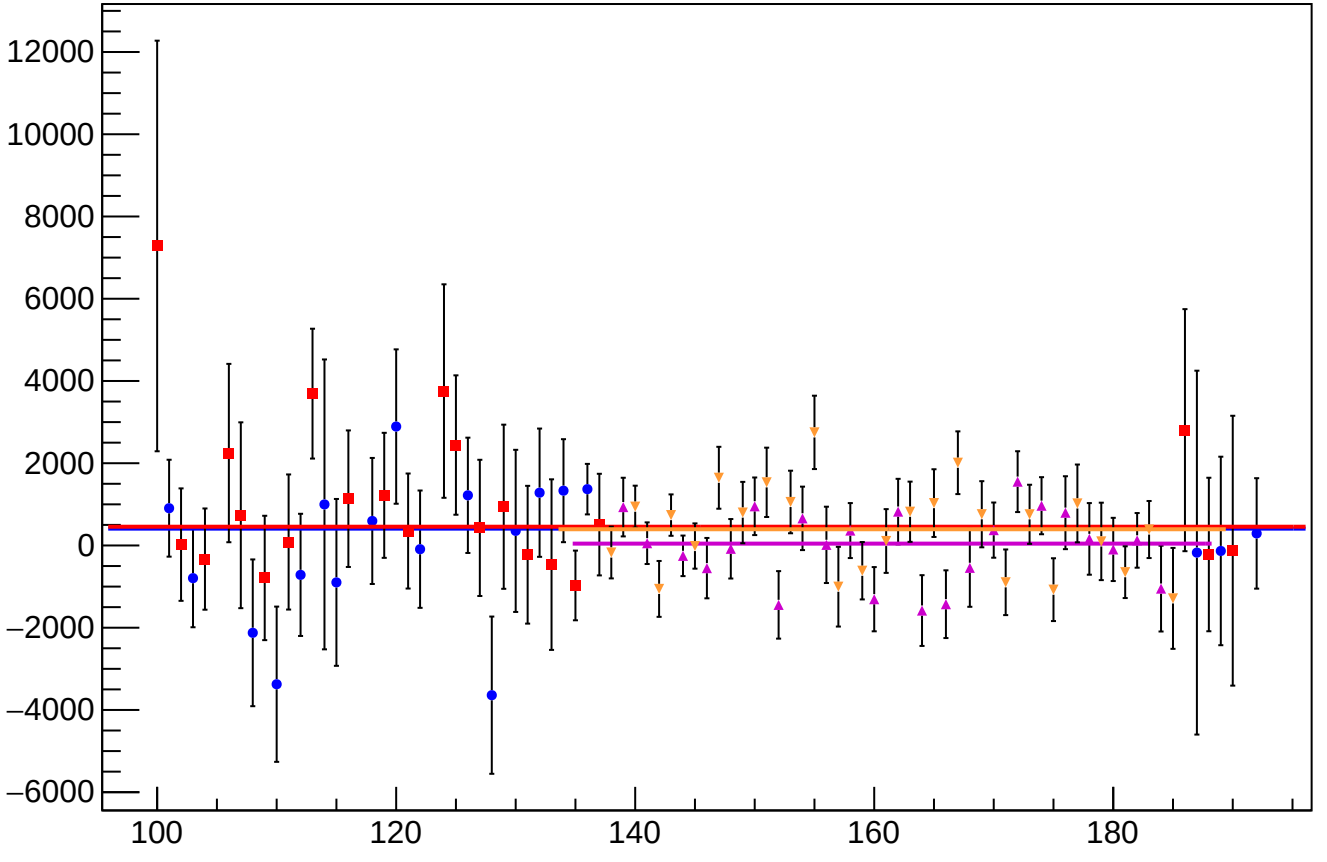
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.670+/-0.178 χ^2/NDF: 770131.6/43

All: 1331.933+/-0.127 χ^2/NDF: 938756.2/88

- sign 1334.268+/-0.181 χ^2/NDF: 168295.8/44

asym_usr_atr1_dd_cor_correction_mean vs Slug



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

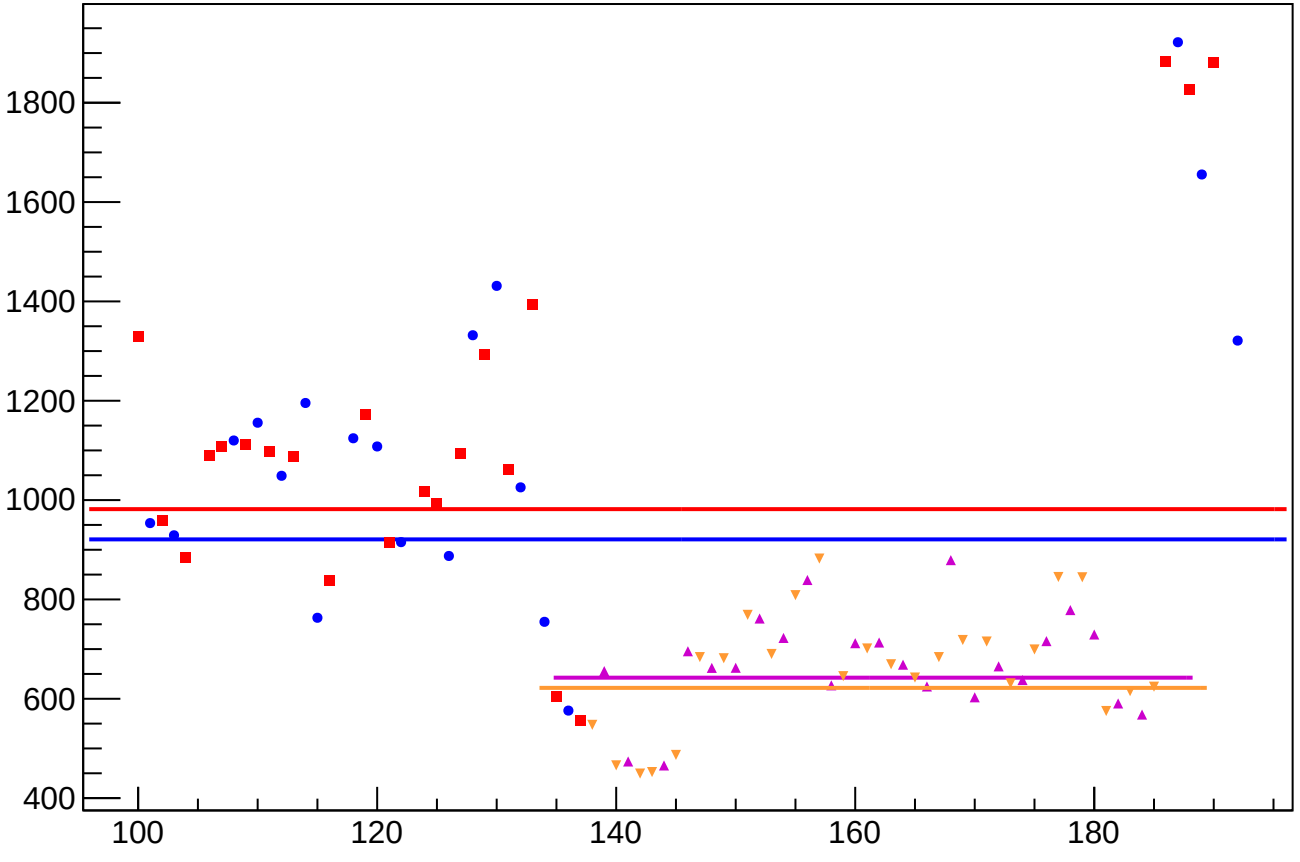
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 397.007+/-132.014 χ^2/NDF: 60.2/43

All: 262.137+/-95.836 χ^2/NDF: 106.7/88

- sign 111.864+/-139.349 χ^2/NDF: 44.3/44

asym_usr_atr1_dd_cor_correction_rms vs Slug



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

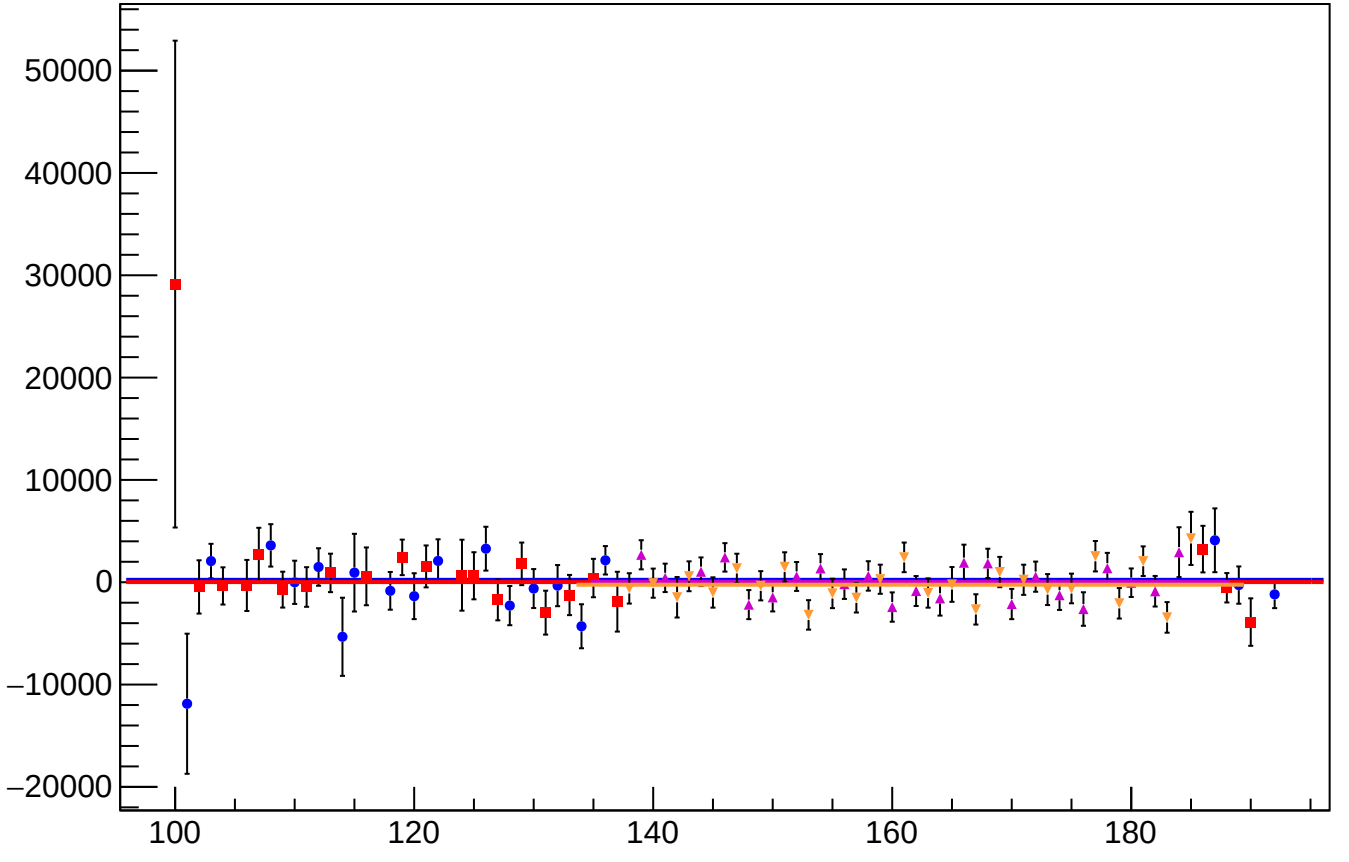
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 671.591+/-0.093 χ^2/NDF: 4342488.5/43

All: 684.005+/-0.068 χ^2/NDF: 8567348.5/88

- sign 697.837+/-0.099 χ^2/NDF: 4187469.1/44

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 235.844+/-461.906 χ^2/NDF: 24.3/18

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 15.928+/-455.476 χ^2/NDF: 15.0/21

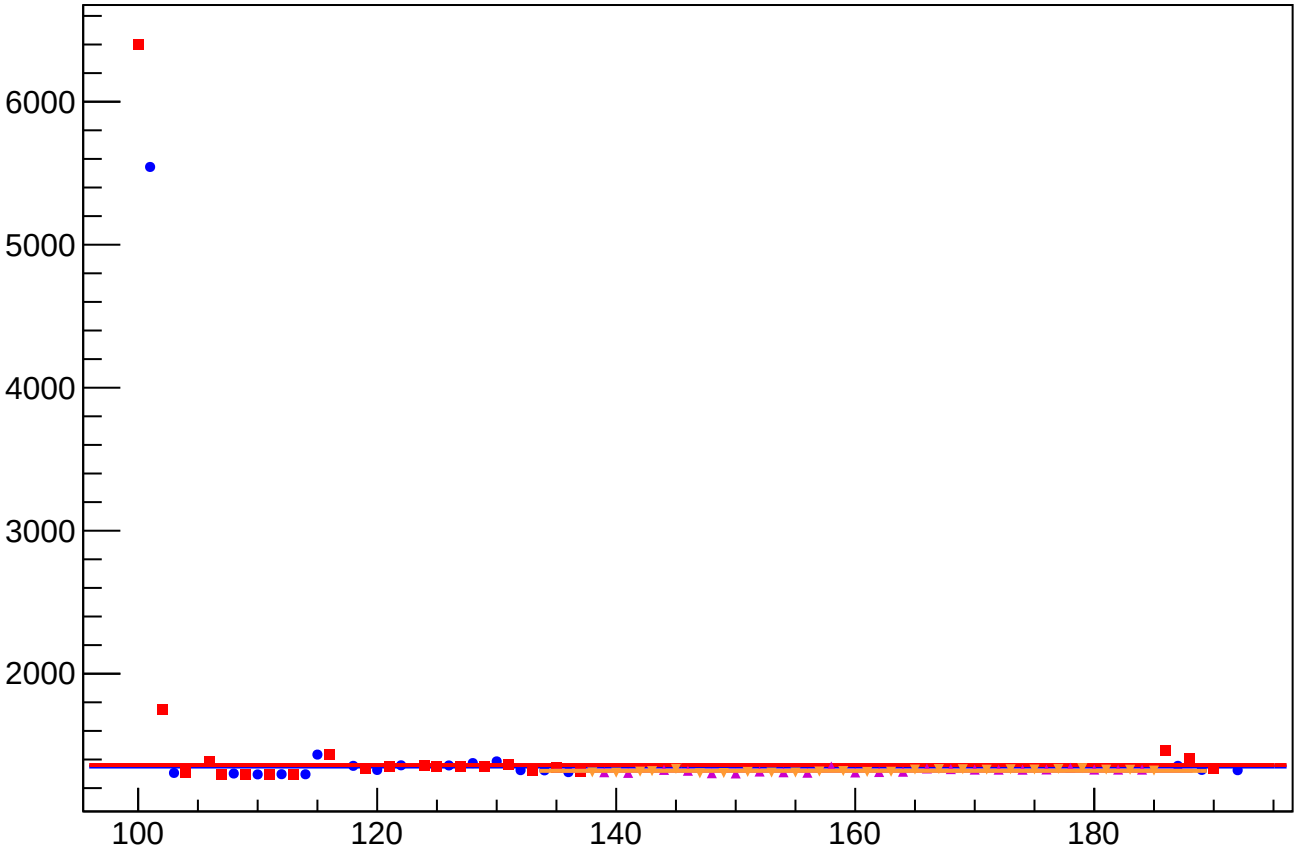
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

\+ sign -99.437+/-251.597 χ^2/NDF: 56.8/43

All: -34.791+/-179.268 χ^2/NDF: 99.1/88

\- sign 31.873+/-255.494 χ^2/NDF: 42.1/44

eigen_cor_asym_usr_atr1_dd_rms vs Slug



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

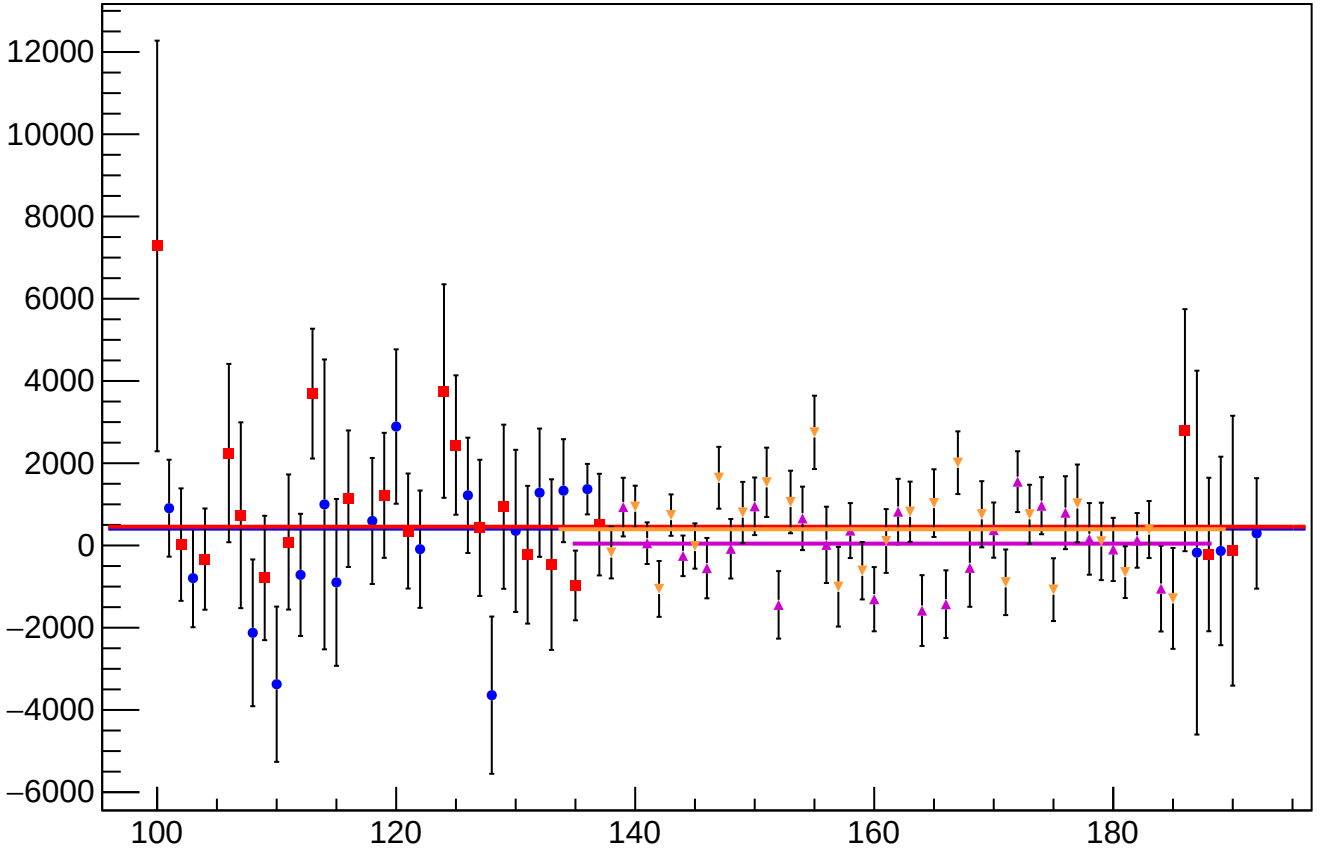
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.670+/-0.178 χ^2/NDF: 770131.6/43

All: 1331.933+/-0.127 χ^2/NDF: 938756.2/88

- sign 1334.268+/-0.181 χ^2/NDF: 168295.8/44

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug



Right In: 409.487+/-323.961 χ^2/NDF: 18.3/18

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

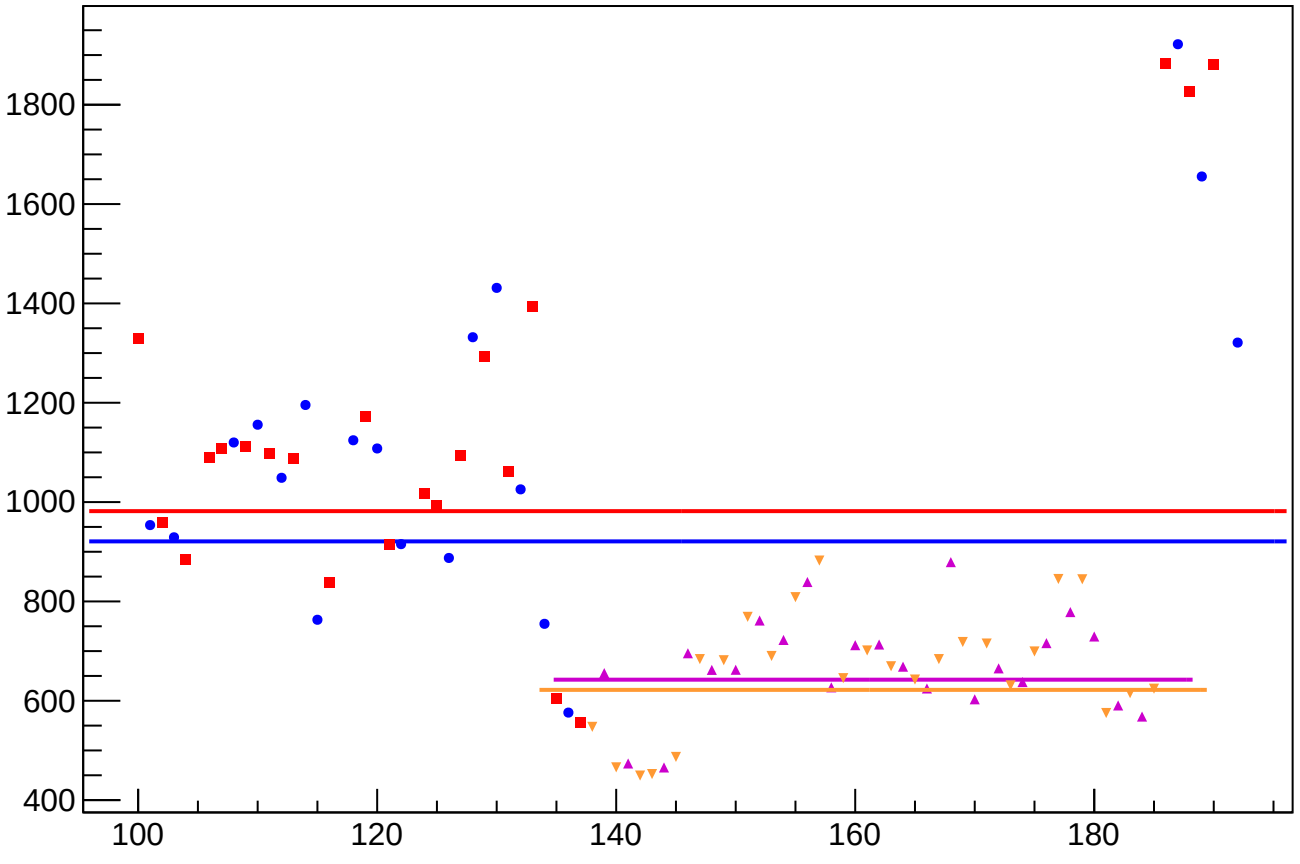
Right Out: 455.945+/-344.960 χ^2/NDF: 15.5/21

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 397.007+/-132.014 χ^2/NDF: 60.2/43

All: 262.137+/-95.836 χ^2/NDF: 106.7/88

- sign 111.864+/-139.349 χ^2/NDF: 44.3/44



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

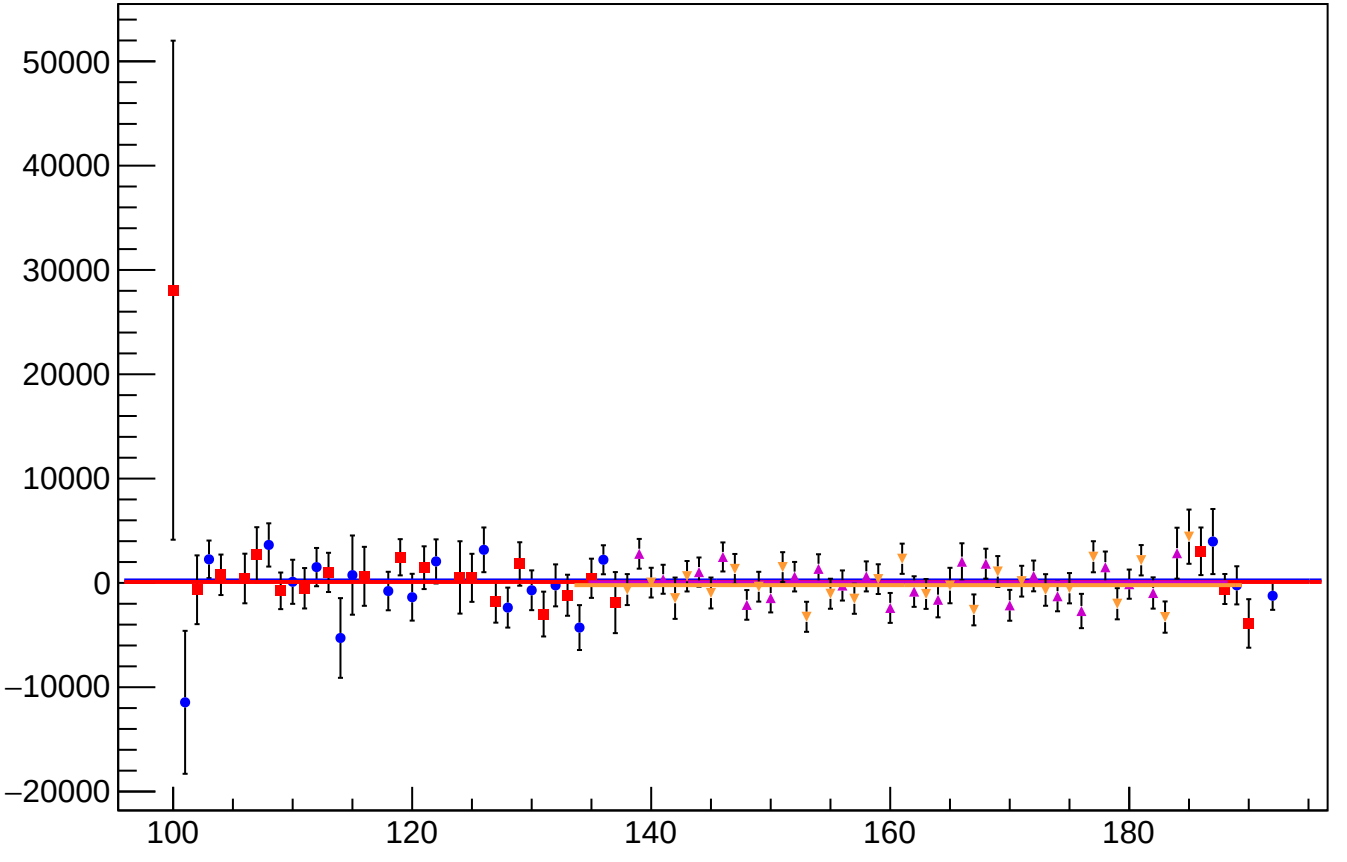
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

\+ sign 671.591+/-0.093 χ^2/NDF: 4342488.5/43

All: 684.005+/-0.068 χ^2/NDF: 8567348.5/88

\- sign 697.837+/-0.099 χ^2/NDF: 4187469.1/44

dit_asym_usr_atr1_dd_mean vs Slug



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

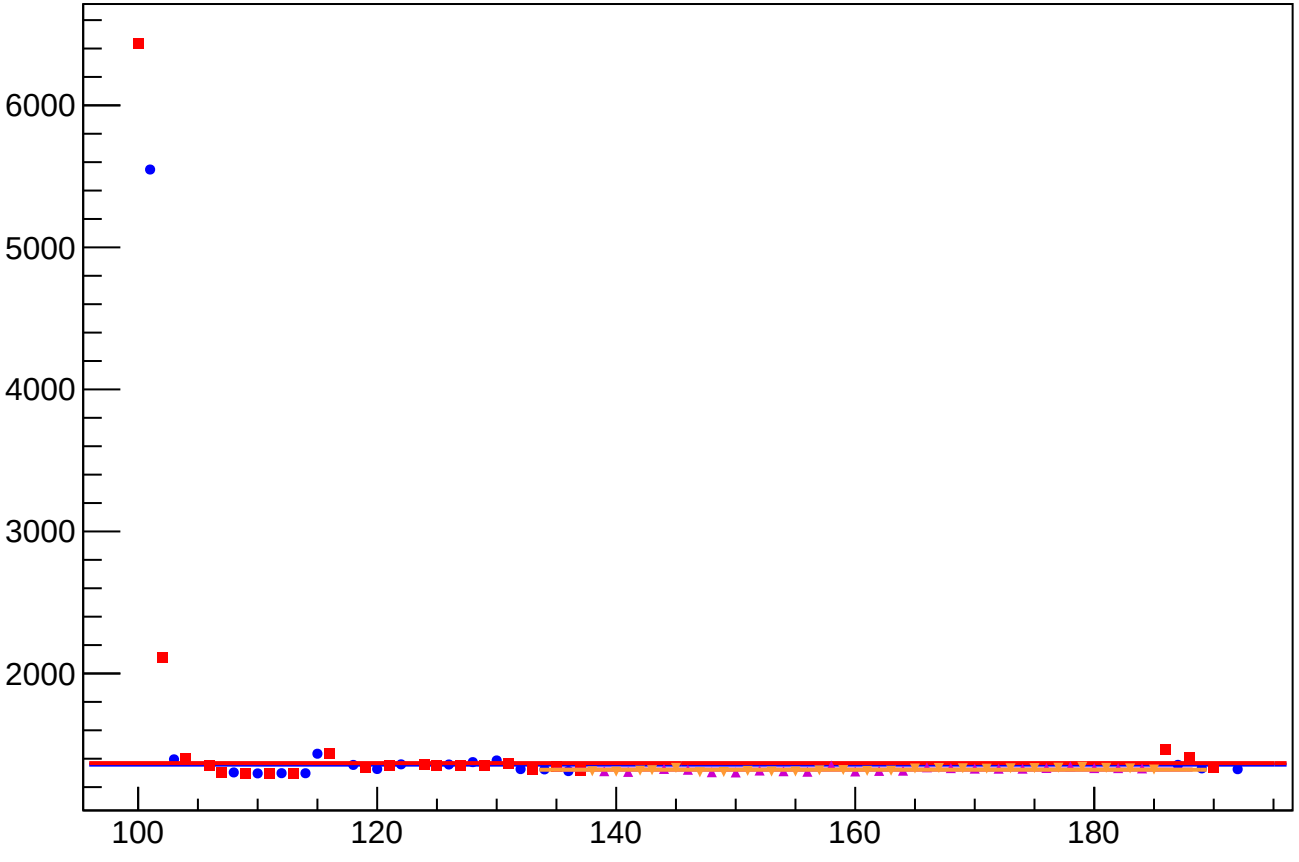
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -82.303+/-252.225 χ^2/NDF: 56.1/43

All: -11.033+/-179.810 χ^2/NDF: 98.9/88

- sign 62.619+/-256.405 χ^2/NDF: 42.7/44

dit_asym_usr_atr1_dd_rms vs Slug



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

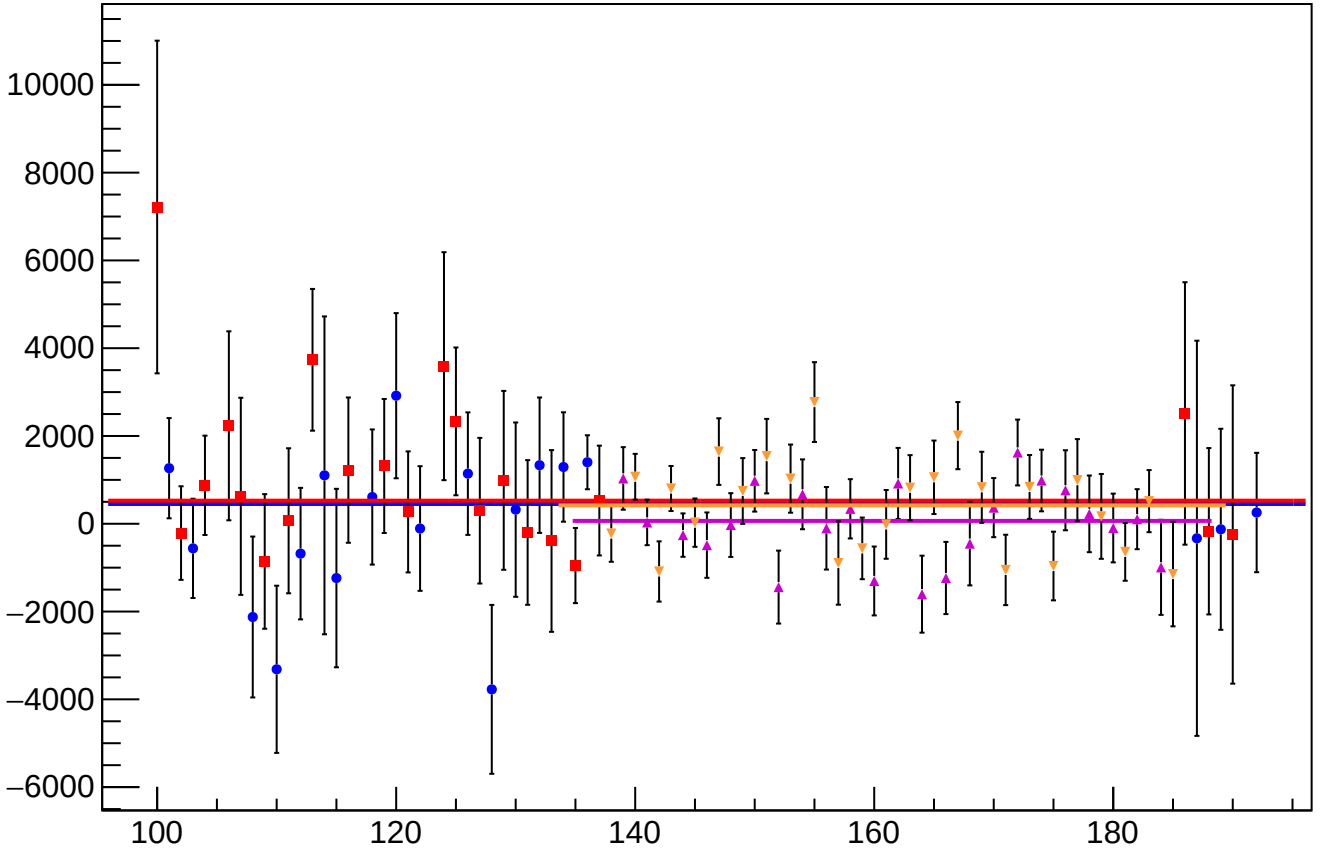
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.964+/-0.178 χ^2/NDF: 772232.1/43

All: 1335.241+/-0.127 χ^2/NDF: 1001520.2/88

- sign 1337.593+/-0.181 χ^2/NDF: 228956.8/44

asym_usr_atr1_dd_dit_correction_mean vs Slug



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

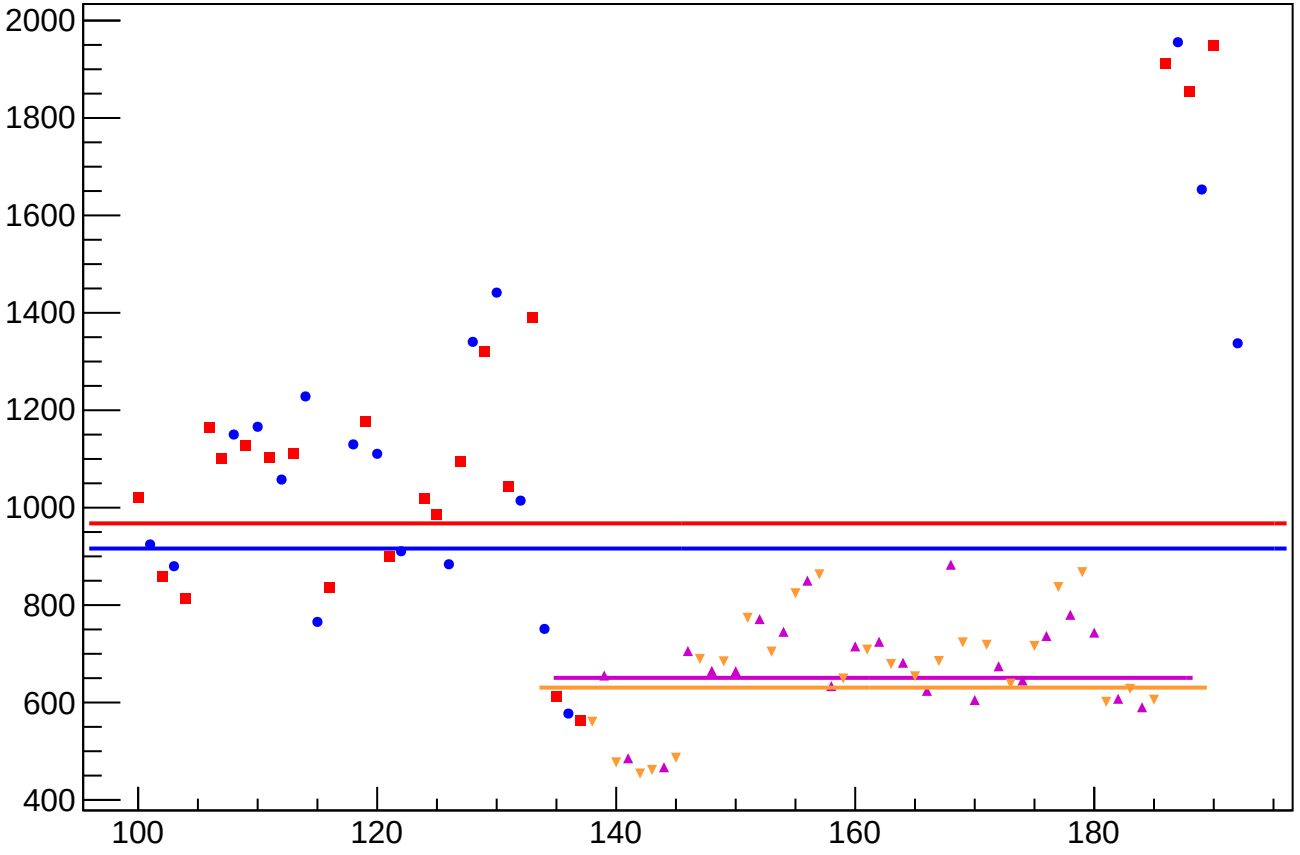
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 425.314+/-133.339 χ^2/NDF: 60.3/43

All: 292.339+/-96.623 χ^2/NDF: 107.2/88

- sign 145.307+/-140.210 χ^2/NDF: 44.8/44

asym_usr_atr1_dd_dit_correction_rms vs Slug



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

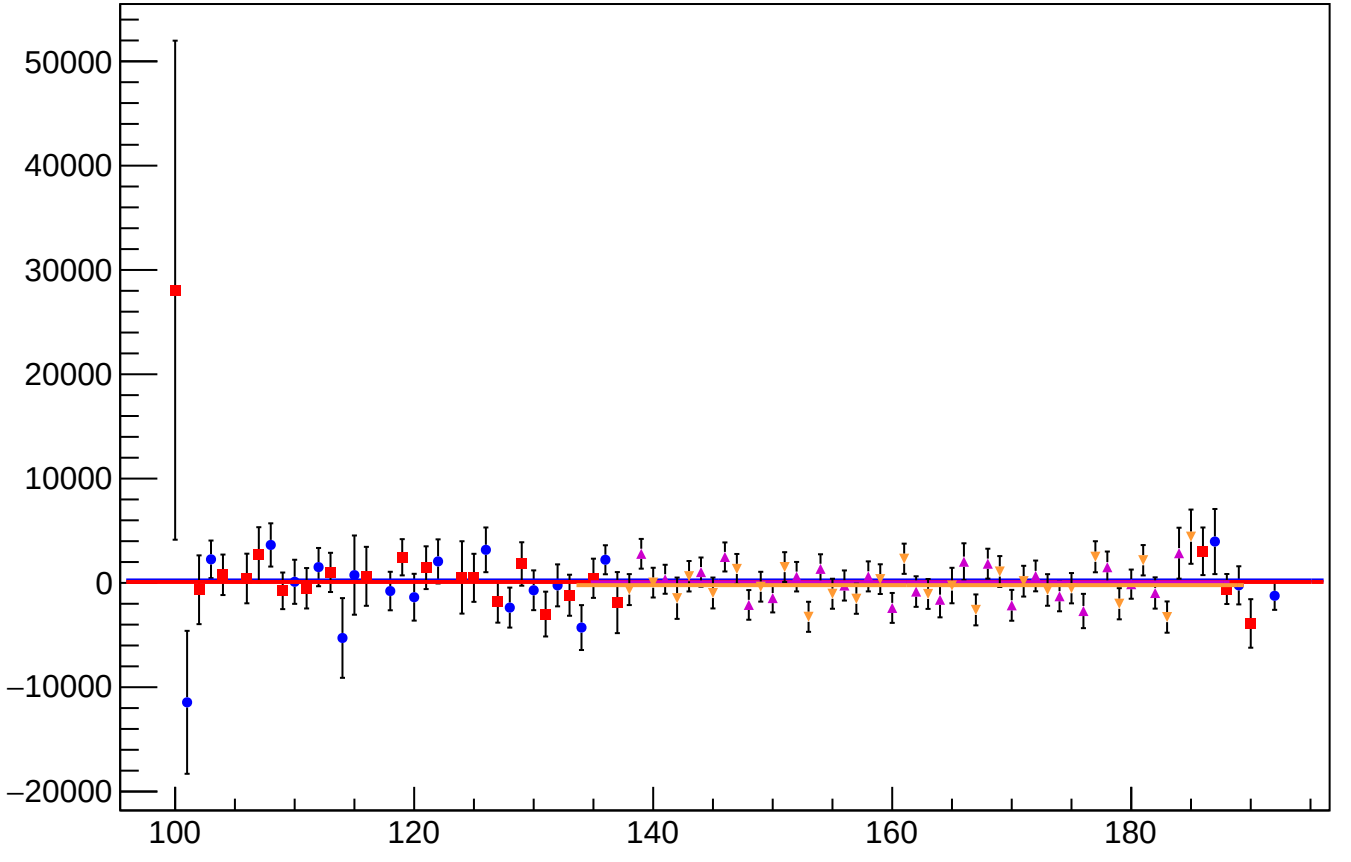
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 679.378+/-0.094 χ^2/NDF: 4194724.3/43

All: 691.855+/-0.068 χ^2/NDF: 8328984.9/88

- sign 705.651+/-0.099 χ^2/NDF: 4097383.0/44

eigen_dit_asym_usr_atr1_dd_mean vs Slug



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

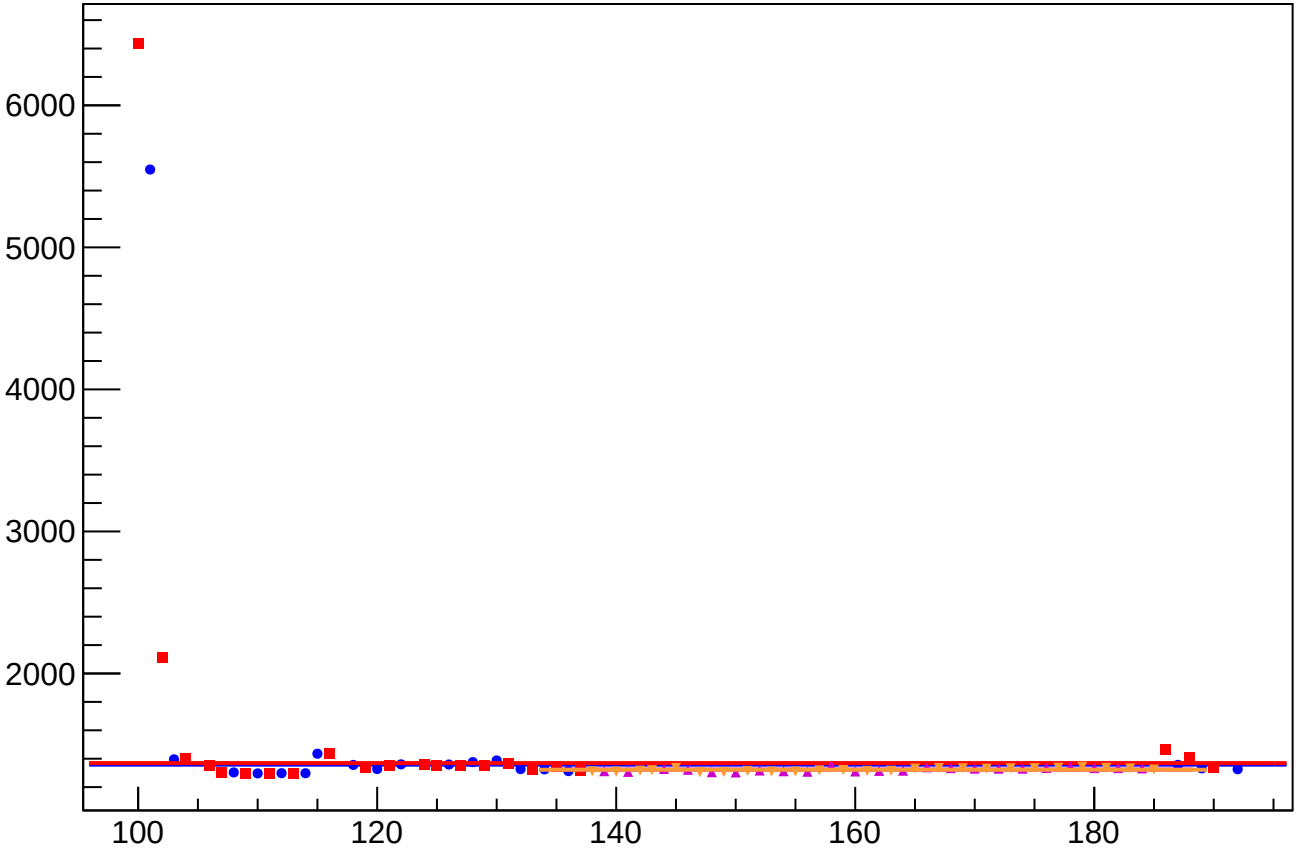
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -82.304+/-252.225 χ^2/NDF: 56.1/43

All: -11.033+/-179.810 χ^2/NDF: 98.9/88

- sign 62.619+/-256.405 χ^2/NDF: 42.7/44

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1358.296+/-0.328 χ^2/NDF: 760862.3/18

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

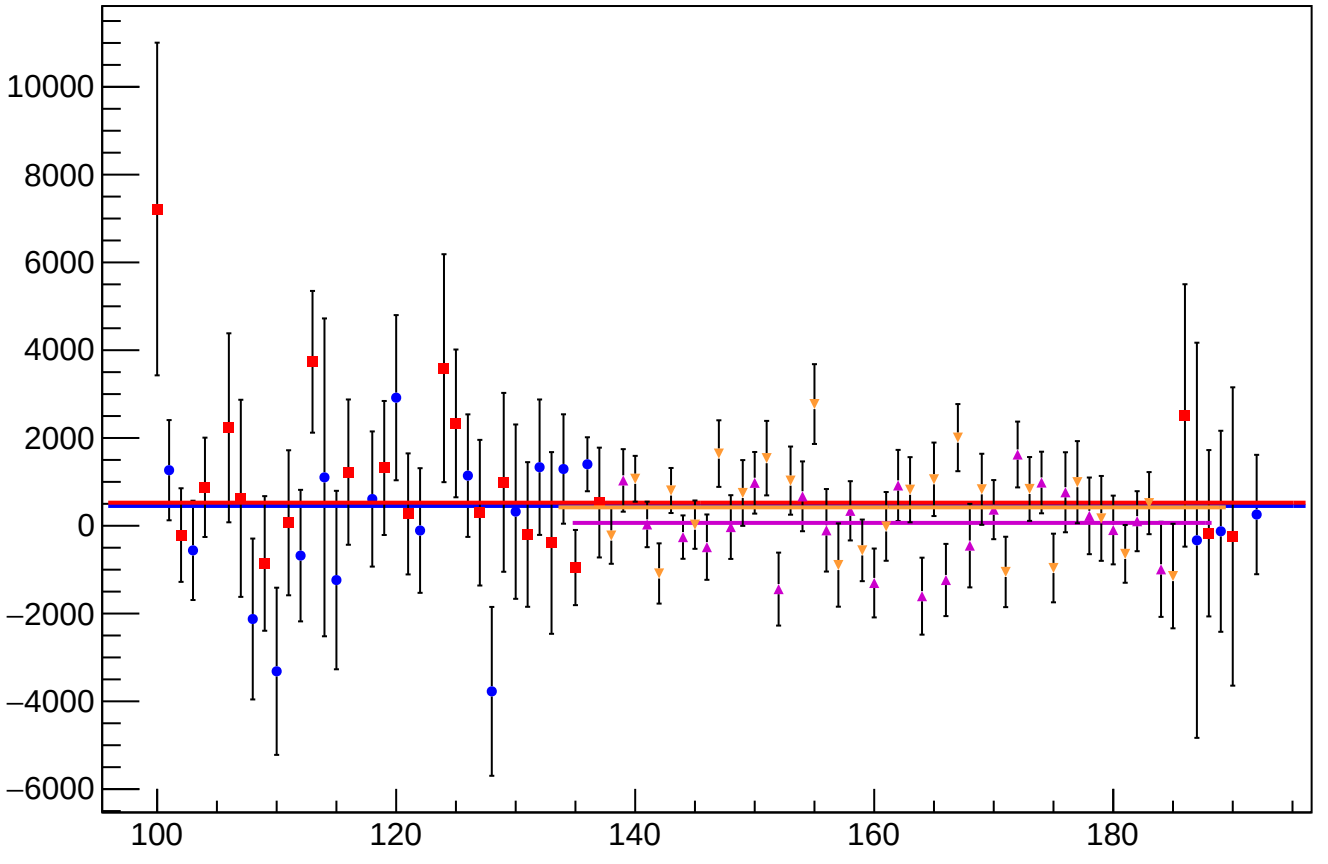
Right Out: 1369.120+/-0.325 χ^2/NDF: 211427.9/21

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.964+/-0.178 χ^2/NDF: 772232.1/43

All: 1335.241+/-0.127 χ^2/NDF: 1001520.1/88

- sign 1337.593+/-0.181 χ^2/NDF: 228956.7/44



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

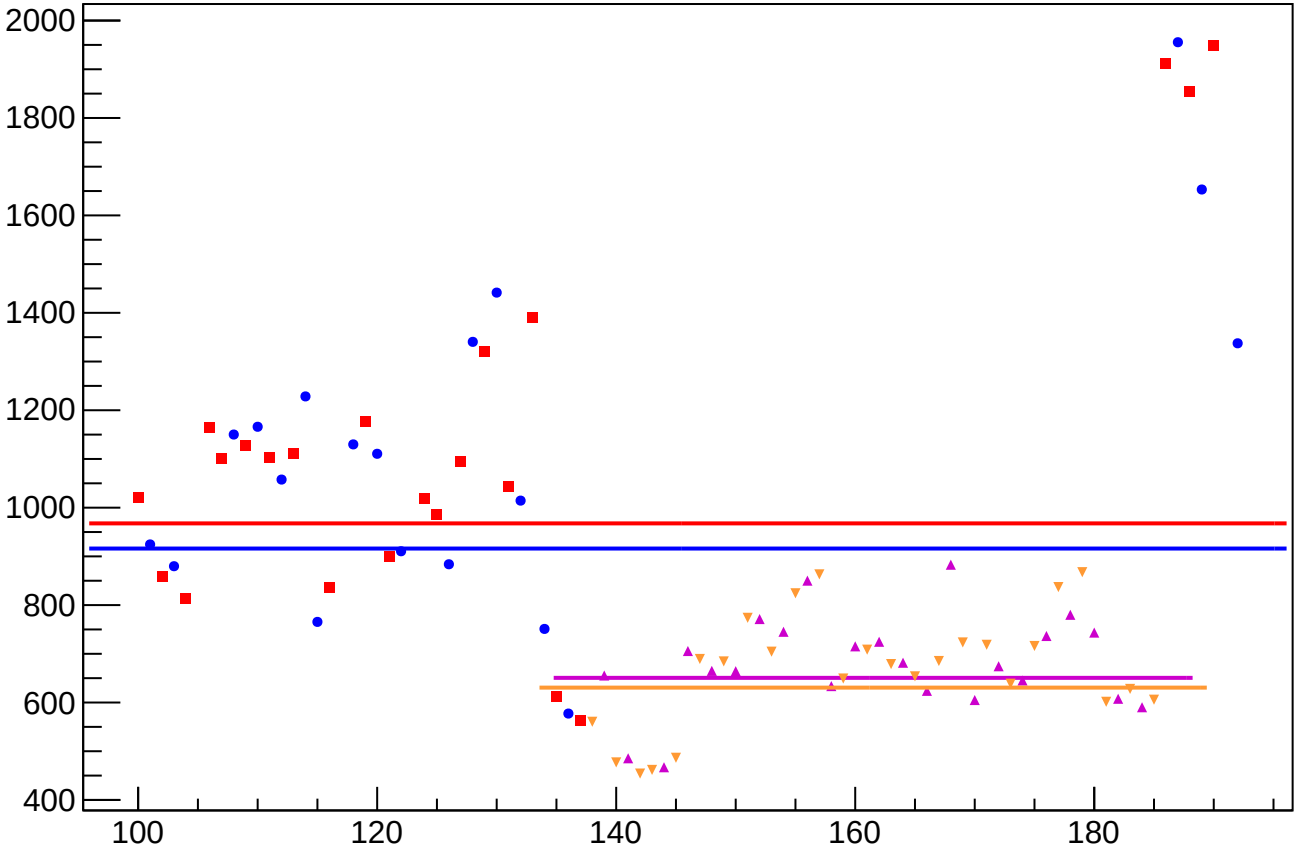
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 425.314+/-133.339 χ^2/NDF: 60.3/43

All: 292.339+/-96.623 χ^2/NDF: 107.2/88

- sign 145.307+/-140.210 χ^2/NDF: 44.8/44

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



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

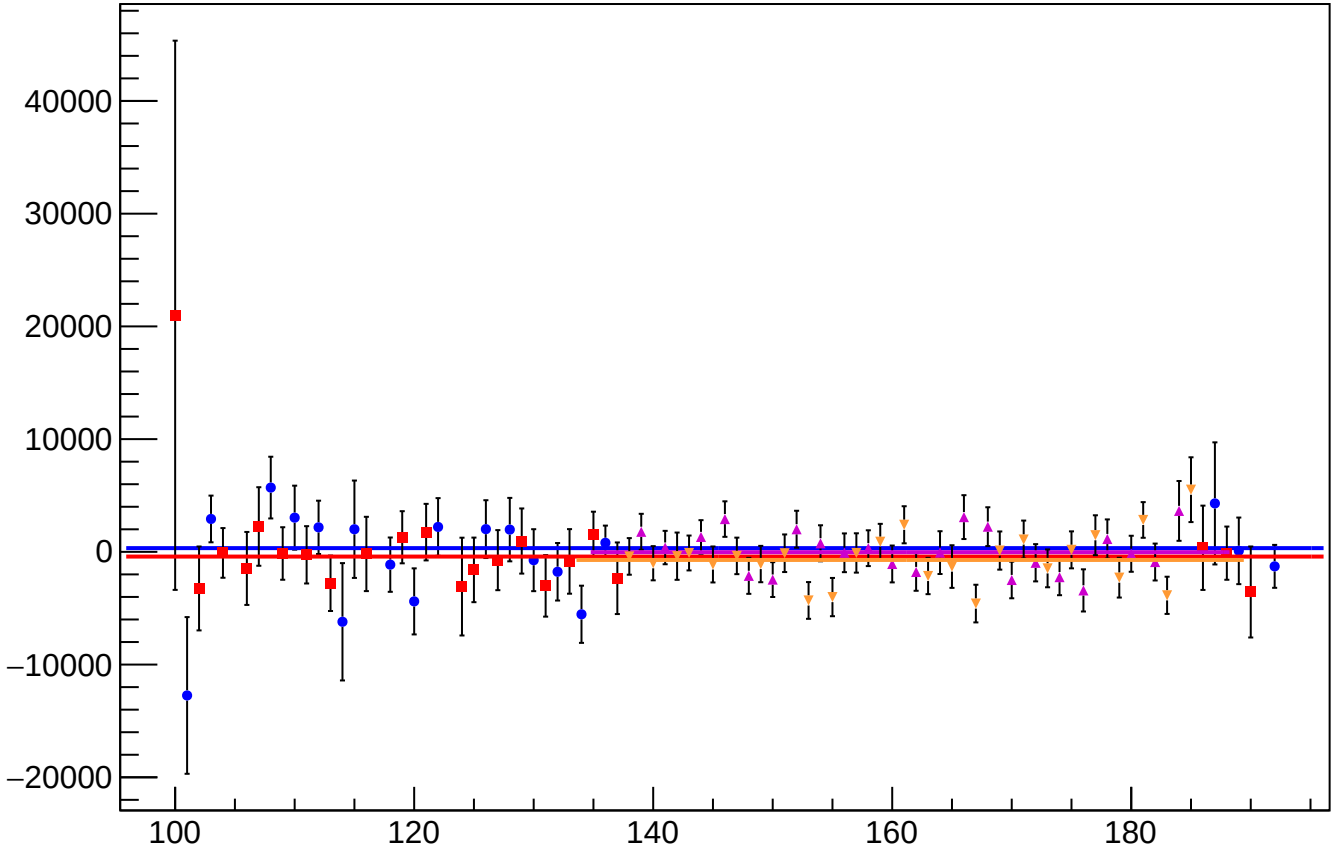
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

\+ sign 679.378+/-0.094 χ^2/NDF: 4194717.1/43

All: 691.856+/-0.068 χ^2/NDF: 8328965.1/88

\- sign 705.652+/-0.099 χ^2/NDF: 4097368.8/44

asym_usr_atr1_dd_mean vs Slug



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

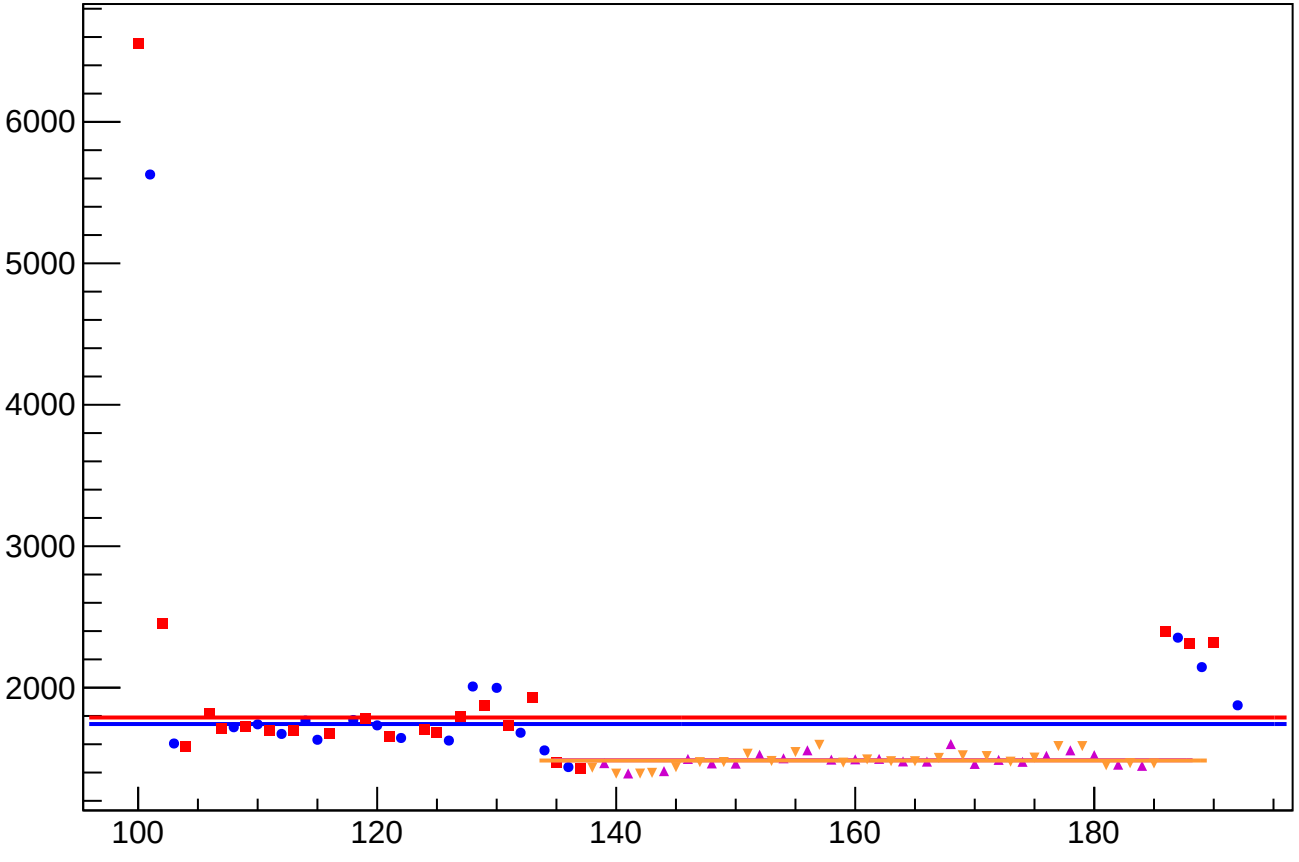
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -464.739+/-293.964 χ^2/NDF: 64.1/43

All: -298.864+/-210.370 χ^2/NDF: 101.0/88

- sign -124.739+/-301.184 χ^2/NDF: 36.2/44

asym_usr_atr1_dd_rms vs Slug



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

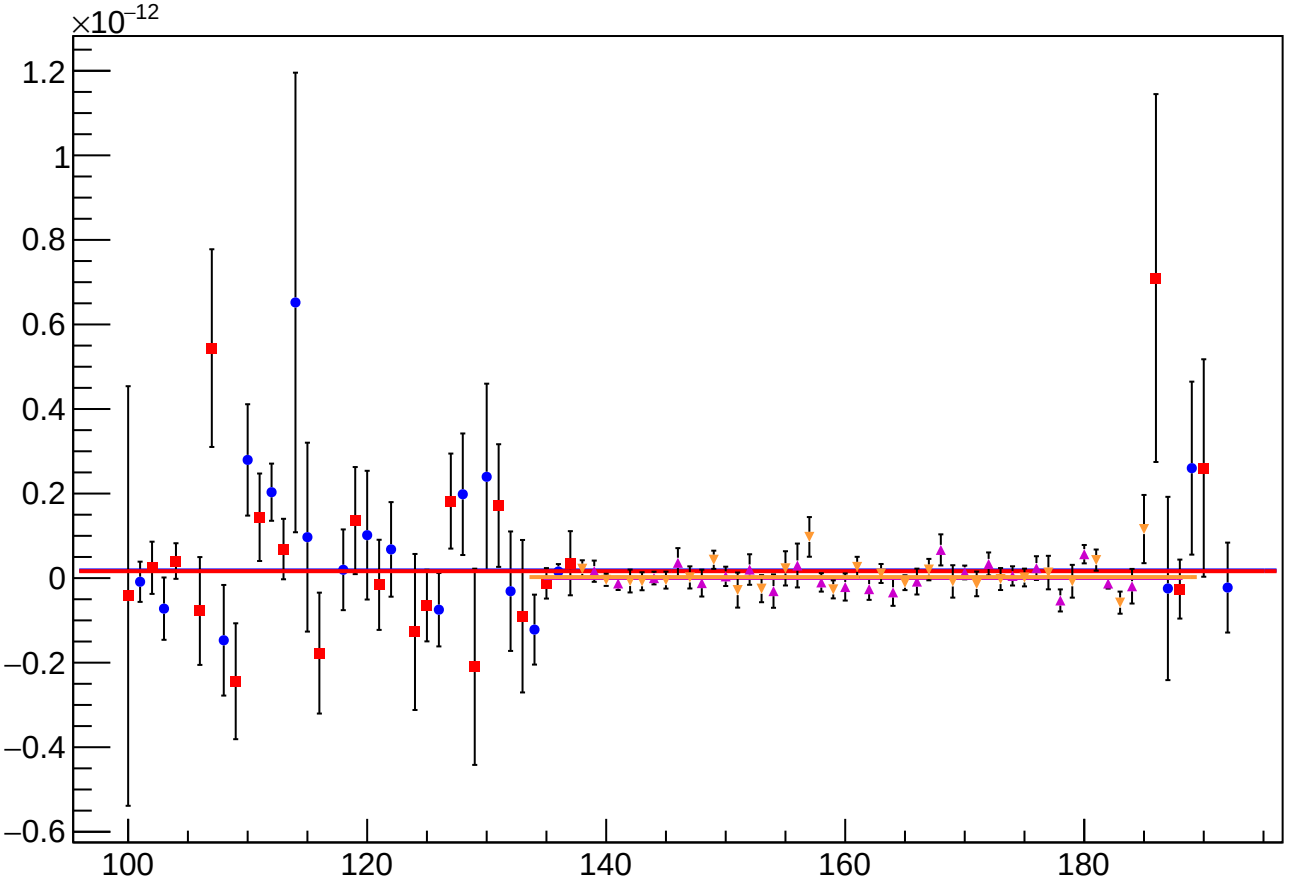
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1547.314+/-0.208 χ^2/NDF: 1176543.4/43

All: 1554.552+/-0.149 χ^2/NDF: 2032683.4/88

- sign 1562.149+/-0.213 χ^2/NDF: 853655.1/44

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

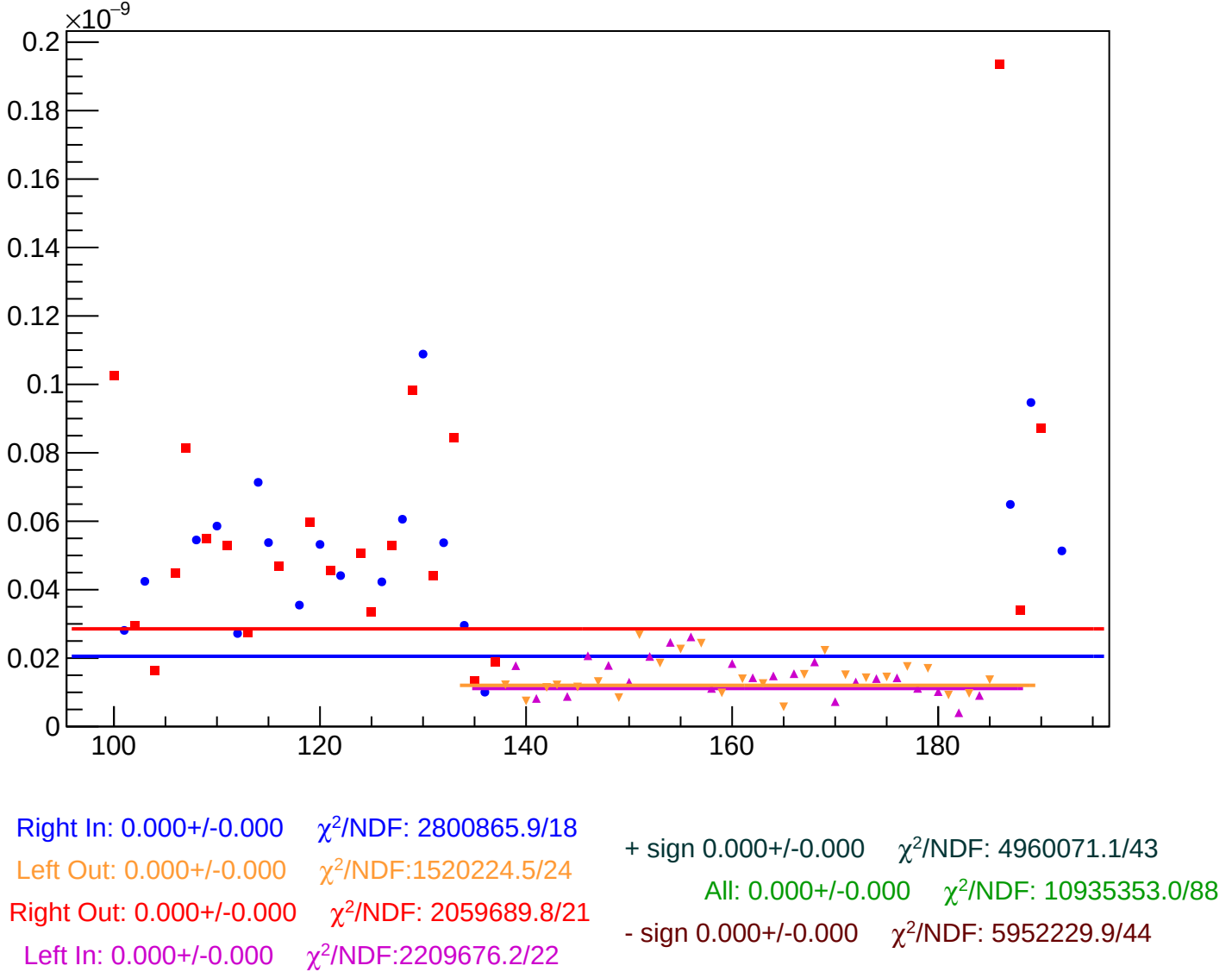
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/21

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

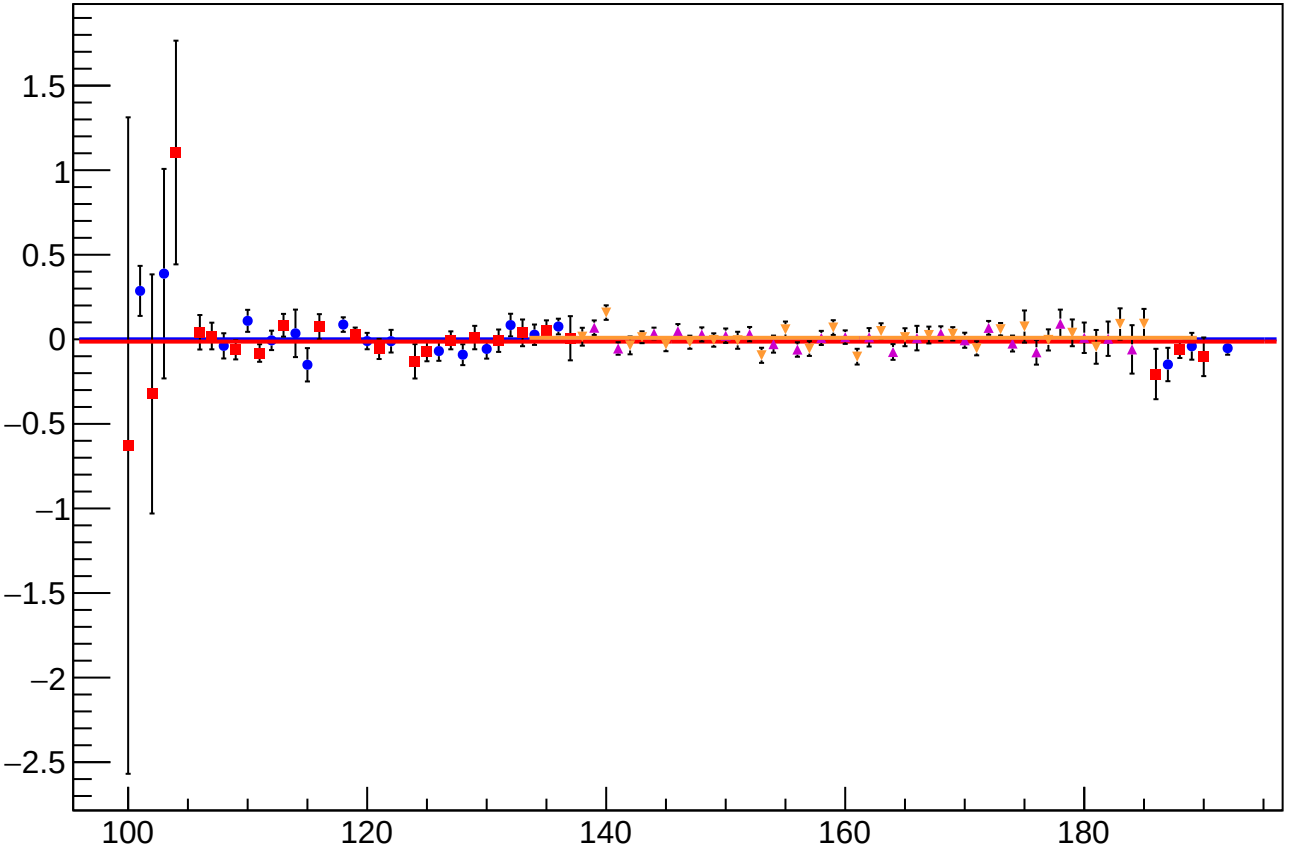
+ sign 0.000+/-0.000 χ^2/NDF: 51.7/43

All: 0.000+/-0.000 χ^2/NDF: 102.6/88

- sign 0.000+/-0.000 χ^2/NDF: 50.8/44


asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 2800865.9/18
Left Out: 0.000+/-0.000 χ²/NDF:1520224.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 2059689.8/21
Left In: 0.000+/-0.000 χ²/NDF:2209676.2/22
+ sign 0.000+/-0.000 χ²/NDF: 4960071.1/43
All: 0.000+/-0.000 χ²/NDF: 10935353.0/88
- sign 0.000+/-0.000 χ²/NDF: 5952229.9/44

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



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

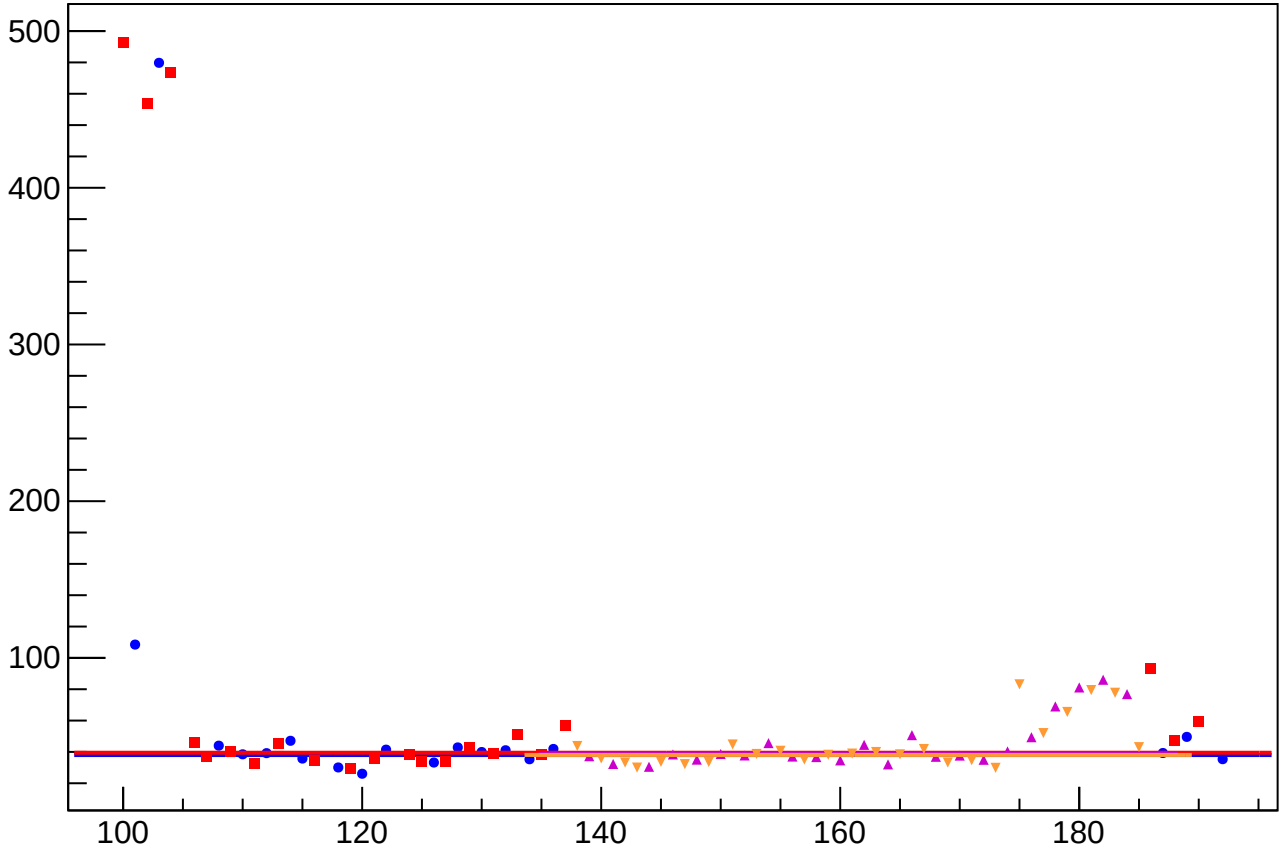
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 66.1/43

All: 0.004+/-0.006 χ^2/NDF: 104.8/88

- sign 0.001+/-0.008 χ^2/NDF: 38.5/44

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 38.000+/-0.010 χ^2/NDF: 1792025.3/18

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

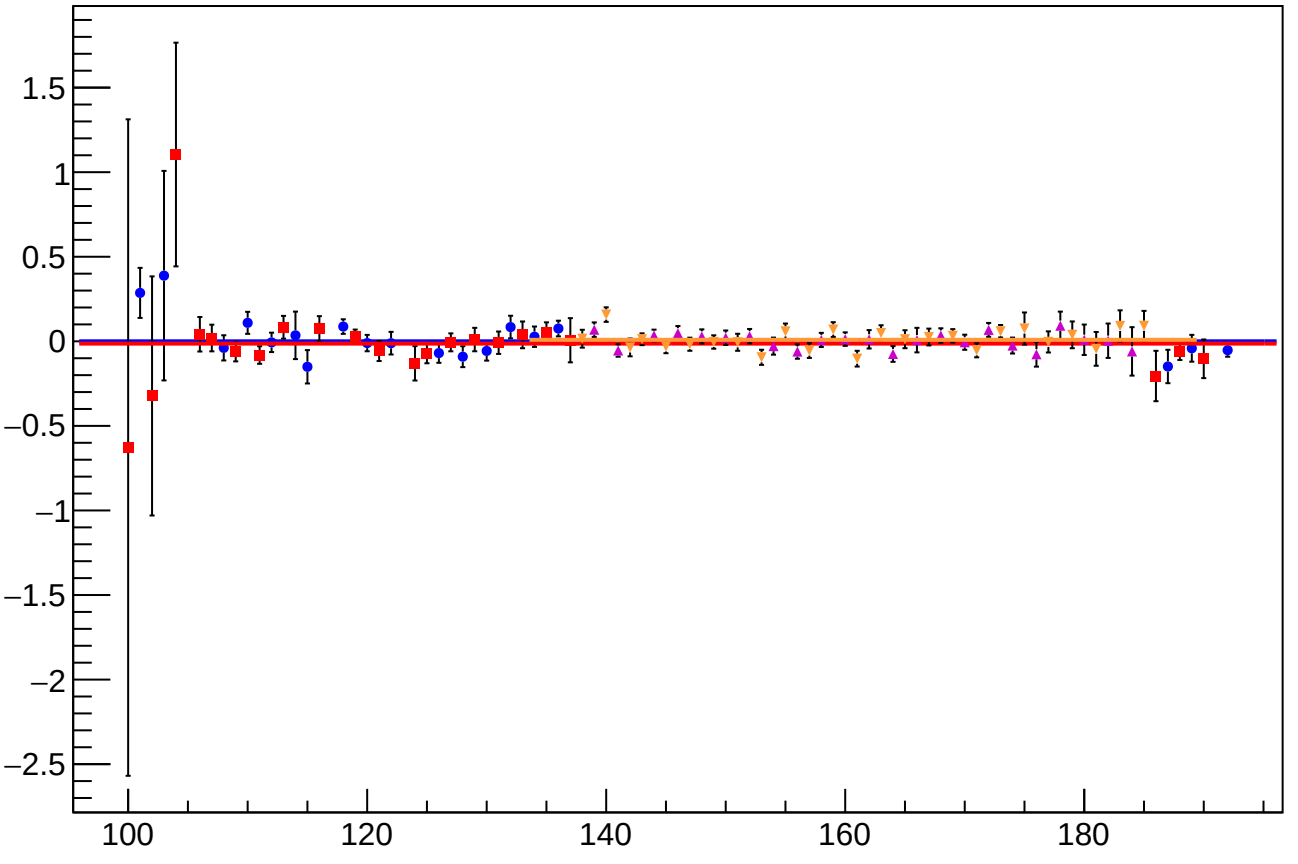
Right Out: 39.476+/-0.011 χ^2/NDF: 2338226.3/21

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 38.046+/-0.006 χ^2/NDF: 3759171.2/43

All: 38.449+/-0.004 χ^2/NDF: 7840104.2/88

- sign 38.885+/-0.006 χ^2/NDF: 4070282.7/44



Right In: 0.000+/-0.014 χ^2/NDF: 27.2/18

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

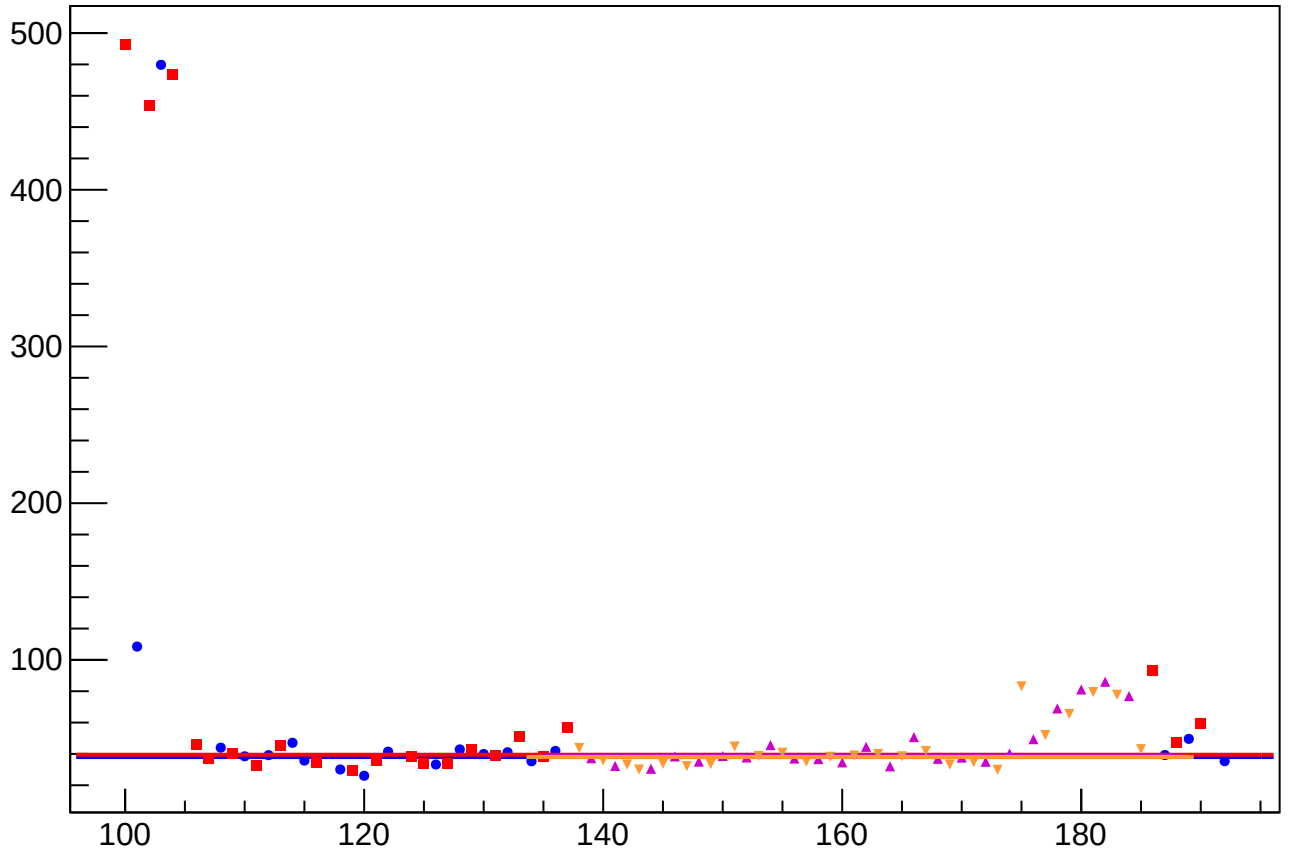
Right Out: -0.014+/-0.015 χ^2/NDF: 18.2/21

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 66.1/43

All: 0.004+/-0.006 χ^2/NDF: 104.8/88

- sign 0.001+/-0.008 χ^2/NDF: 38.5/44



Right In: 38.000+/-0.010 χ^2/NDF: 1792025.3/18

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

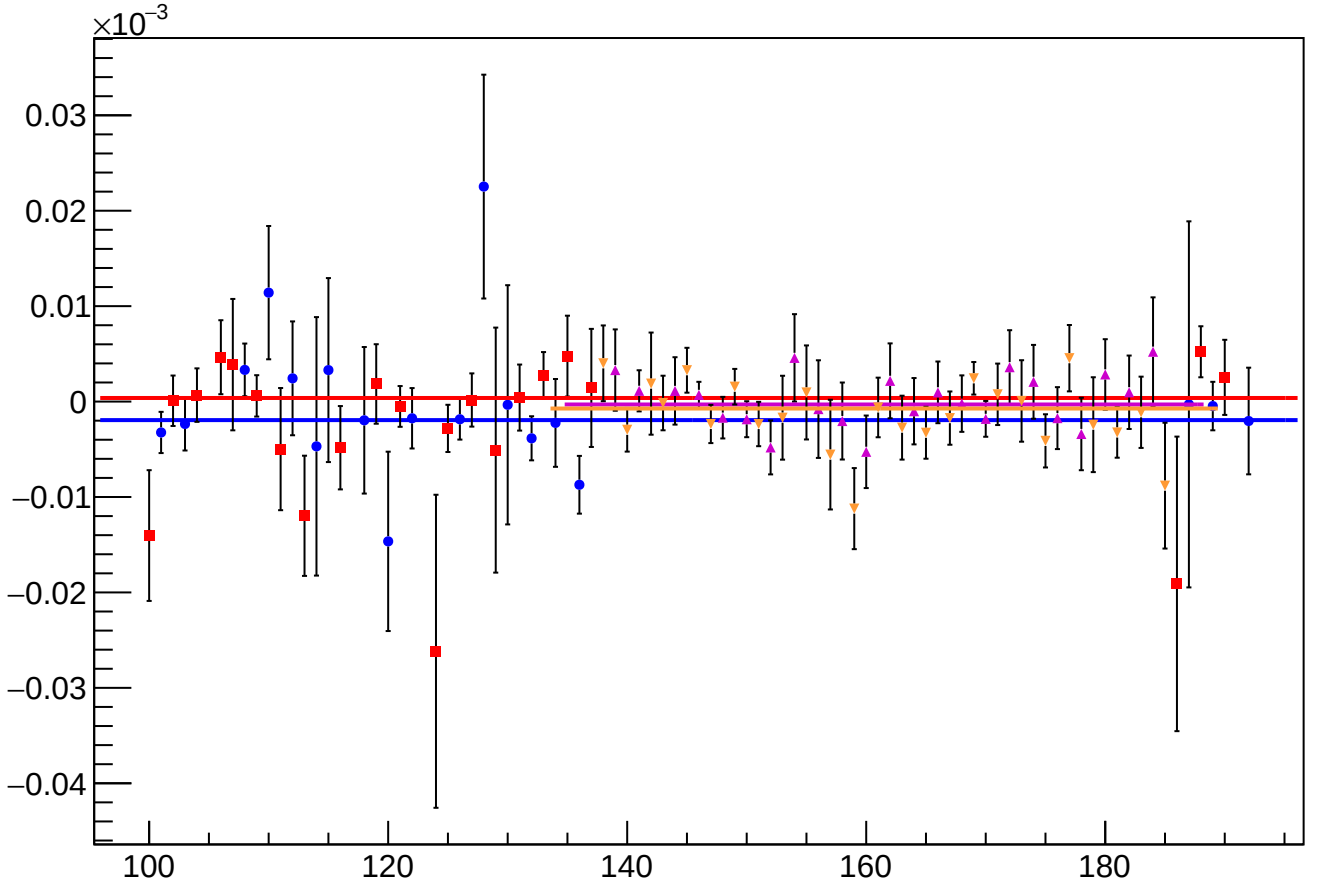
Right Out: 39.476+/-0.011 χ^2/NDF: 2338226.3/21

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 38.046+/-0.006 χ^2/NDF: 3759171.2/43

All: 38.449+/-0.004 χ^2/NDF: 7840104.2/88

\- sign 38.885+/-0.006 χ^2/NDF: 4070282.7/44



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

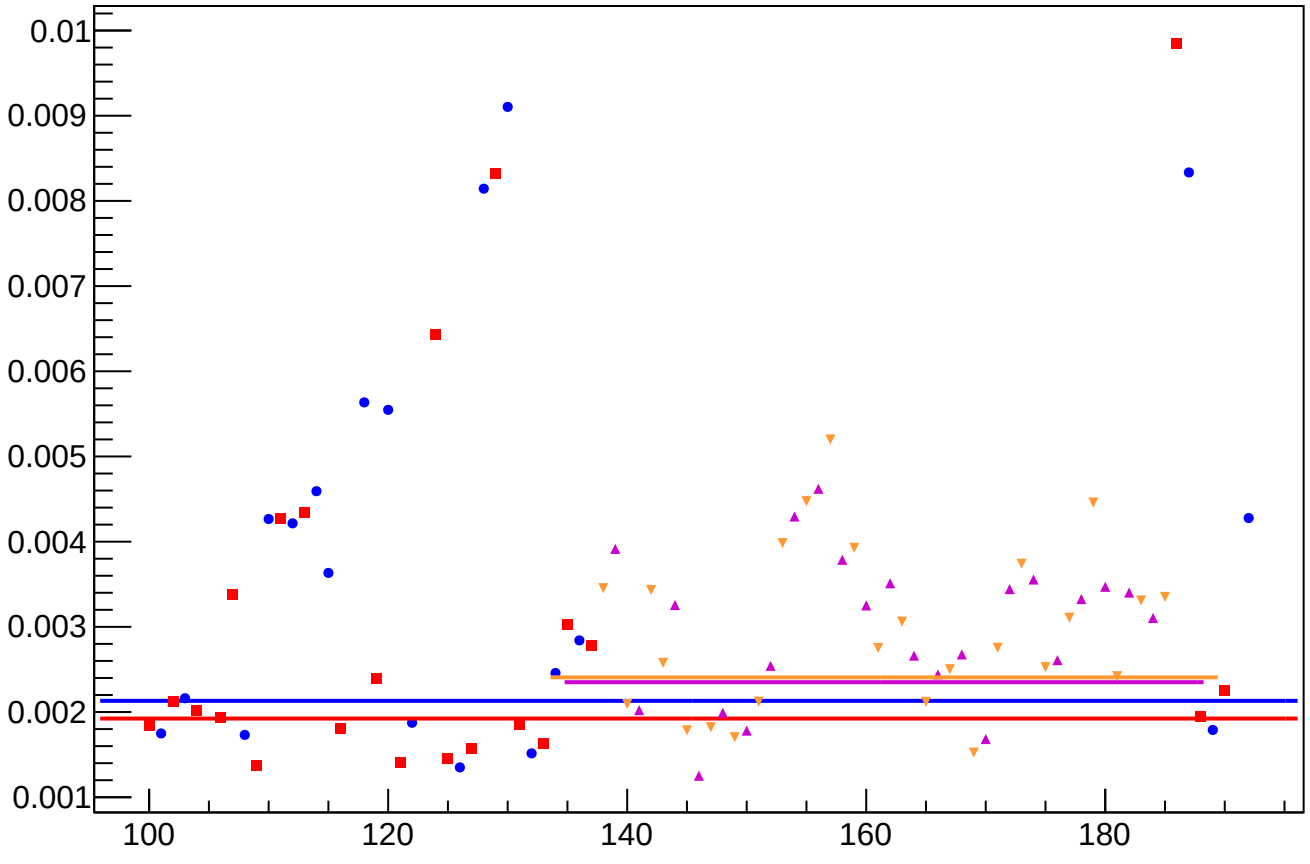
Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/21

Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.8/43

All: -0.000+/-0.000 χ^2/NDF: 89.6/88

- sign -0.000+/-0.000 χ^2/NDF: 38.2/44



Right In: 0.002+/-0.000 χ^2/NDF: 3559460.2/18

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

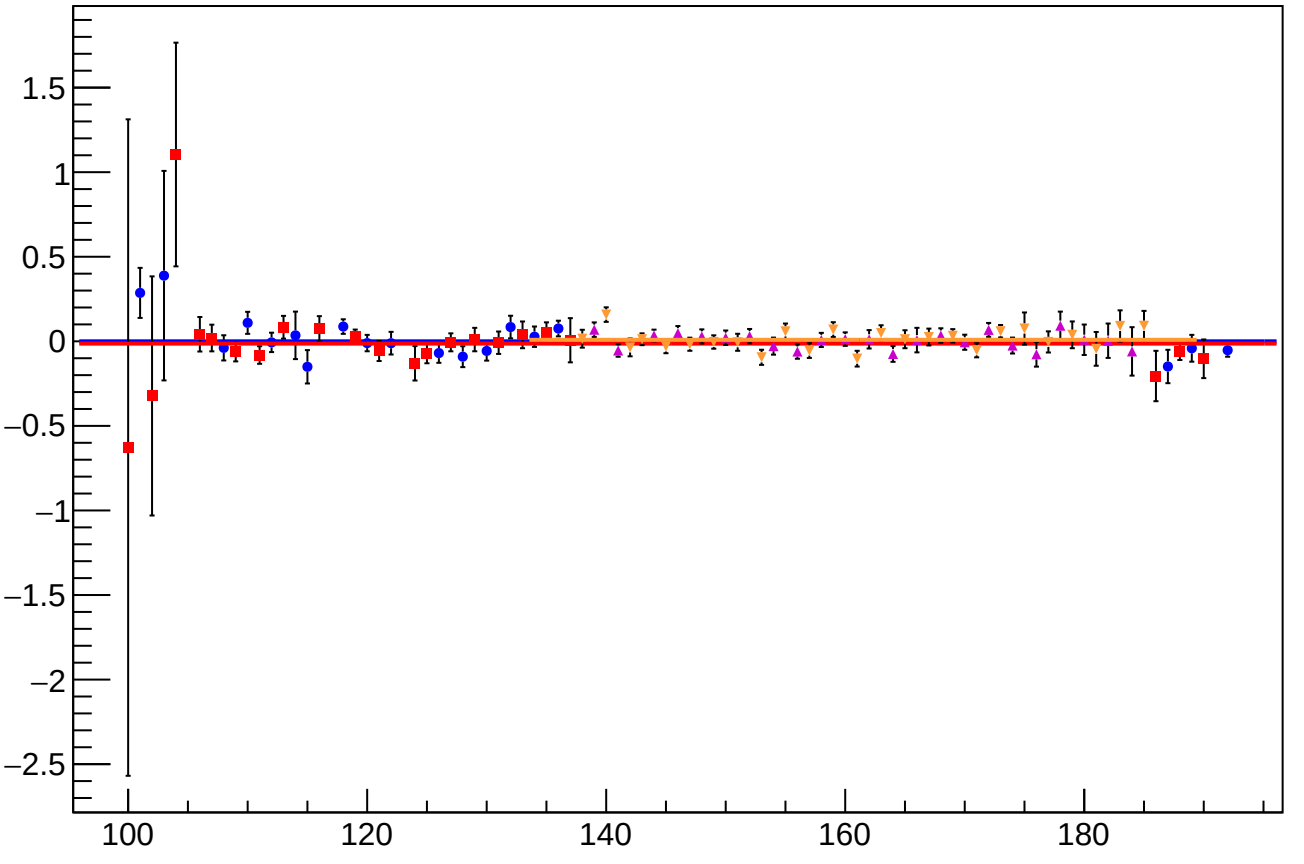
Right Out: 0.002+/-0.000 χ^2/NDF: 2437739.4/21

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 7389010.3/43

All: 0.002+/-0.000 χ^2/NDF: 14747291.3/88

- sign 0.002+/-0.000 χ^2/NDF: 7278723.8/44



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

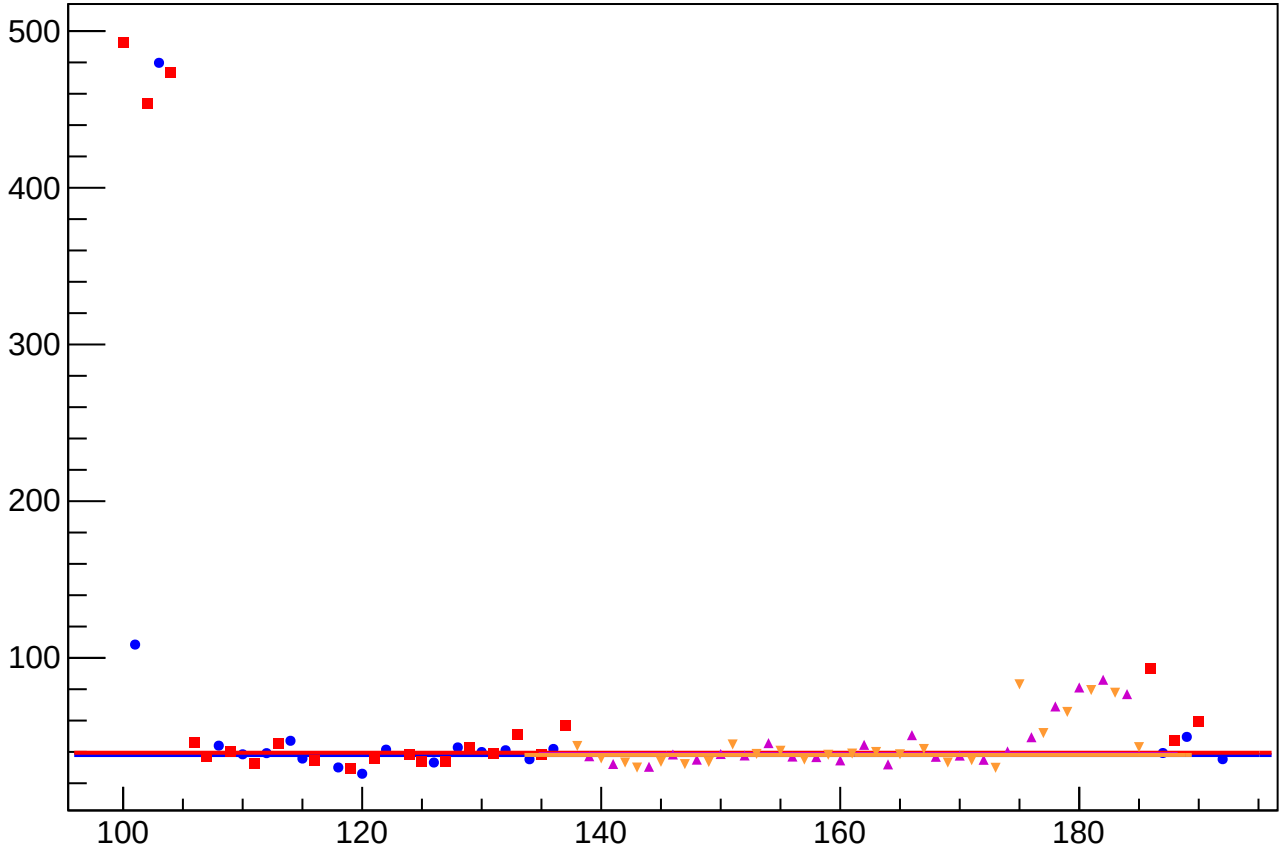
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 66.1/43

All: 0.004+/-0.006 χ^2/NDF: 104.8/88

- sign 0.001+/-0.008 χ^2/NDF: 38.5/44

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.999+/-0.010 χ^2/NDF: 1792054.4/18

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

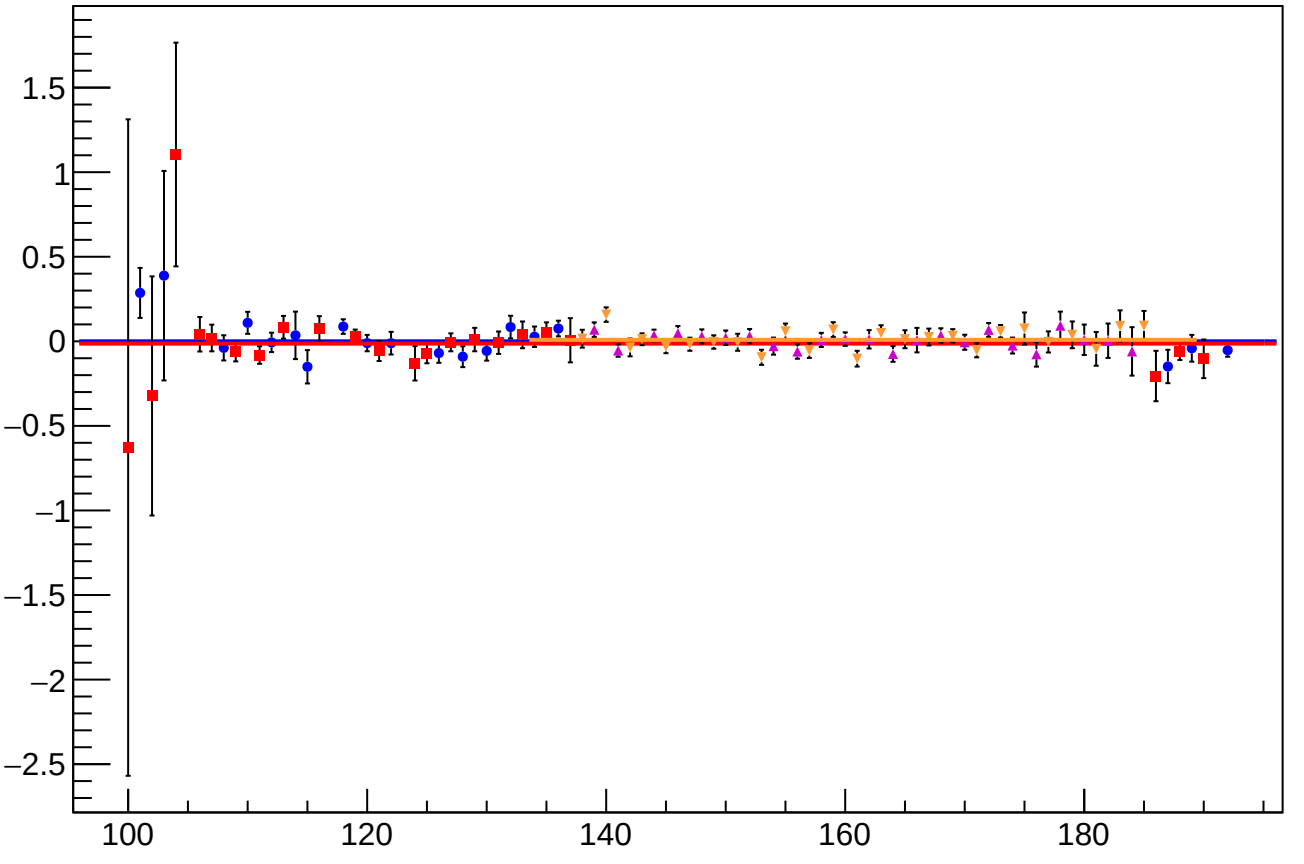
Right Out: 39.475+/-0.011 χ^2/NDF: 2338320.5/21

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 38.046+/-0.006 χ^2/NDF: 3759196.6/43

All: 38.448+/-0.004 χ^2/NDF: 7840242.6/88

- sign 38.884+/-0.006 χ^2/NDF: 4070401.3/44



Right In: 0.000+/-0.014 χ^2/NDF: 27.2/18

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

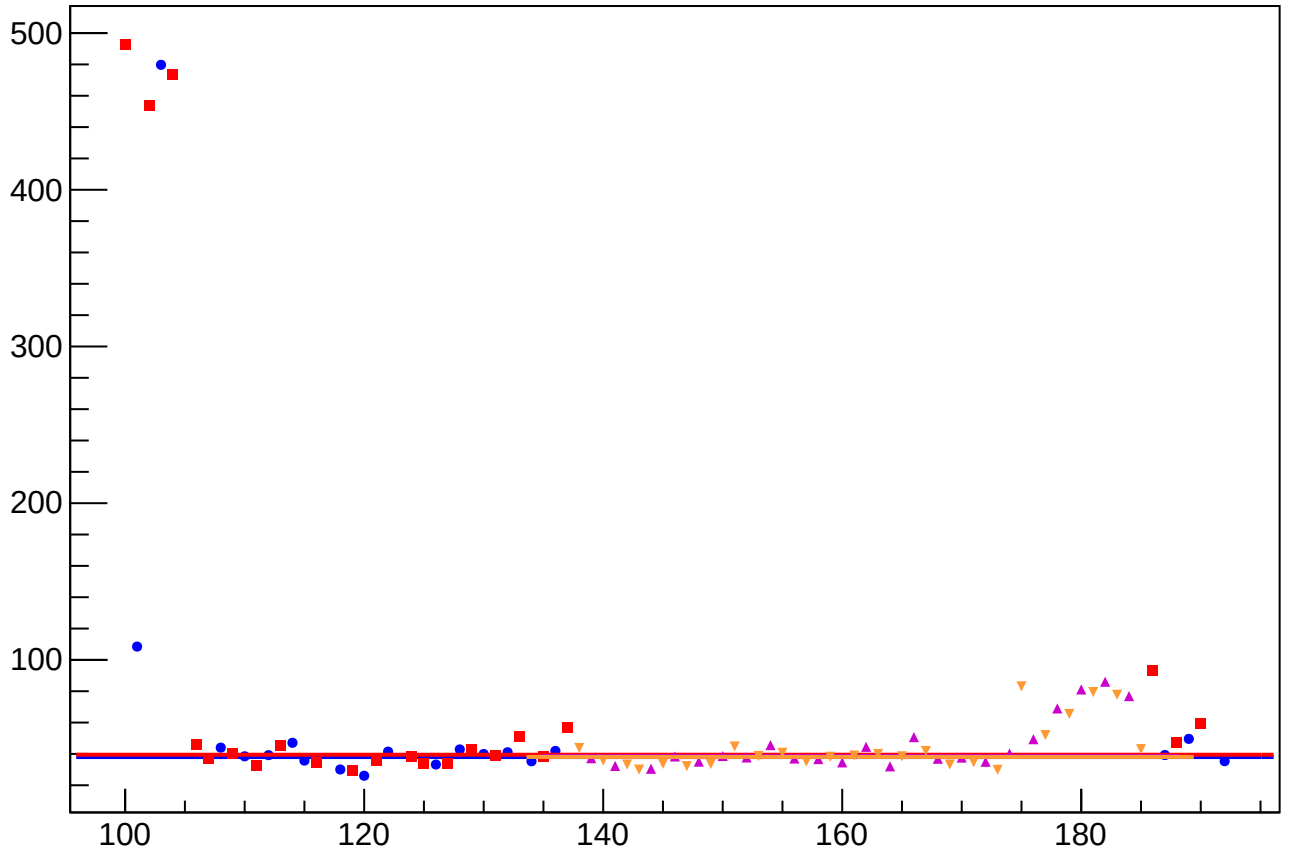
Right Out: -0.014+/-0.015 χ^2/NDF: 18.2/21

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 66.1/43

All: 0.004+/-0.006 χ^2/NDF: 104.8/88

- sign 0.001+/-0.008 χ^2/NDF: 38.5/44



Right In: 37.999+/-0.010 χ^2/NDF: 1792054.4/18

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

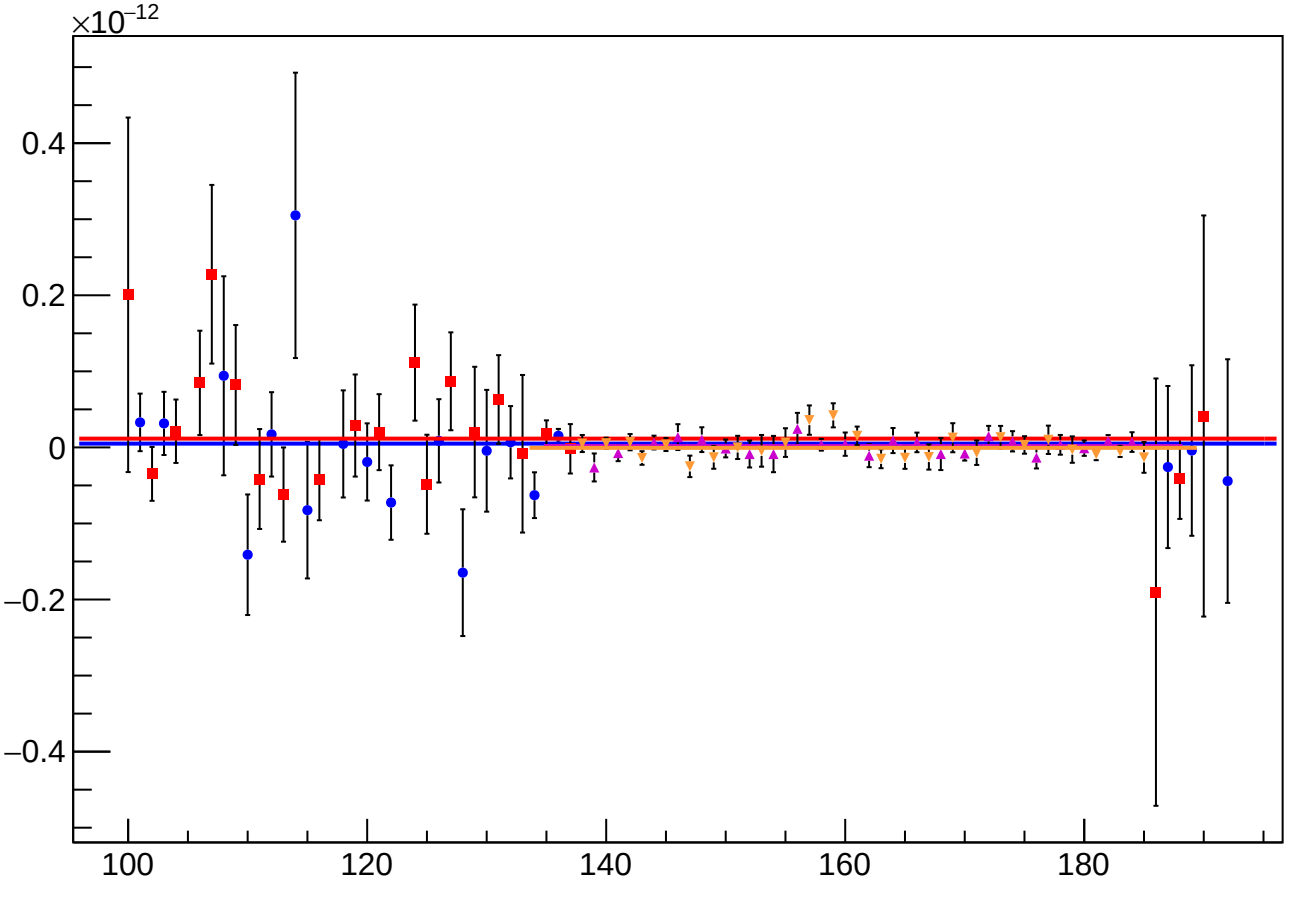
Right Out: 39.475+/-0.011 χ^2/NDF: 2338320.5/21

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 38.046+/-0.006 χ^2/NDF: 3759196.6/43

All: 38.448+/-0.004 χ^2/NDF: 7840242.6/88

- sign 38.884+/-0.006 χ^2/NDF: 4070401.3/44



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

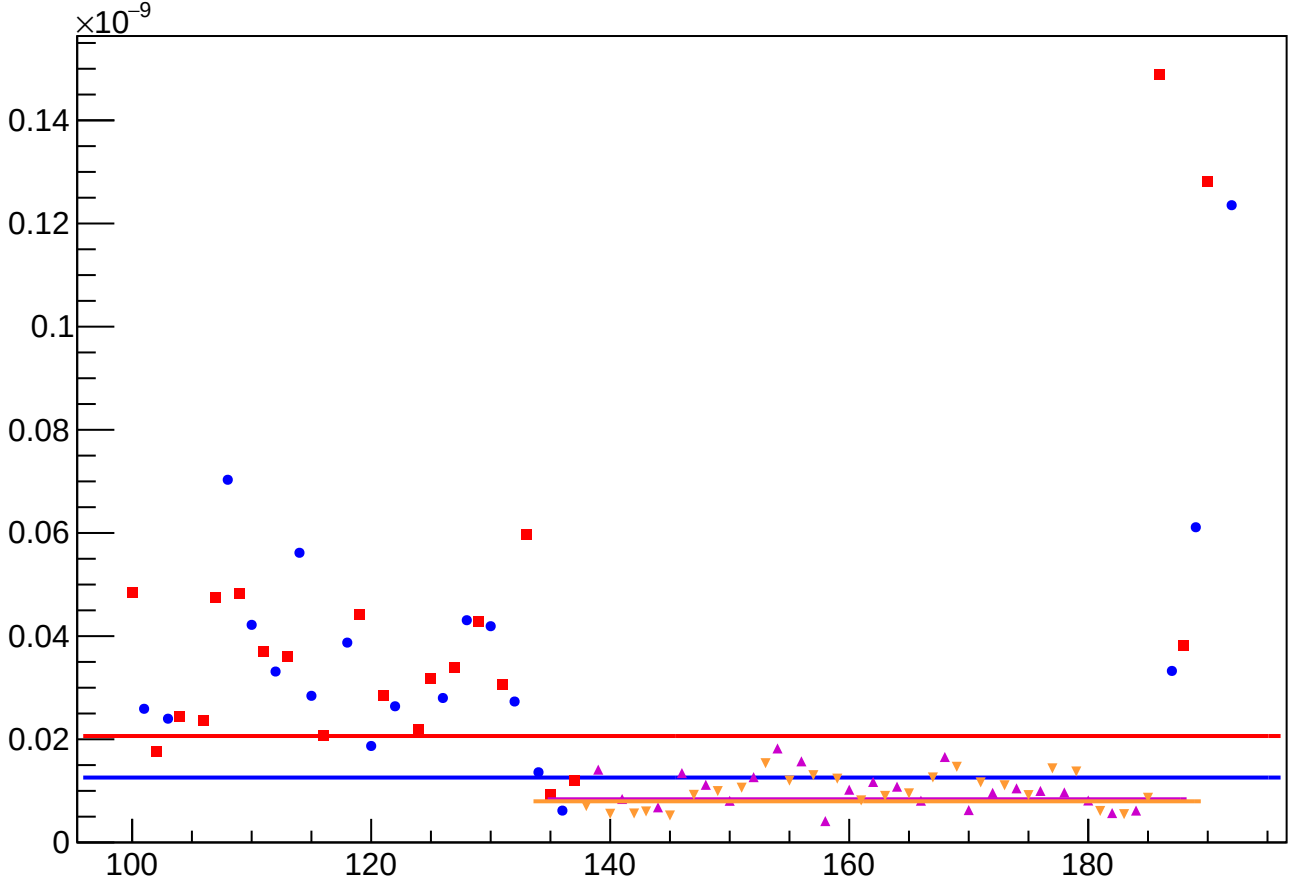
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/21

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

\+ sign -0.000+/-0.000 χ^2/NDF: 49.3/43

All: 0.000+/-0.000 χ^2/NDF: 79.7/88

\- sign 0.000+/-0.000 χ^2/NDF: 30.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 5290671.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3605359.1/21

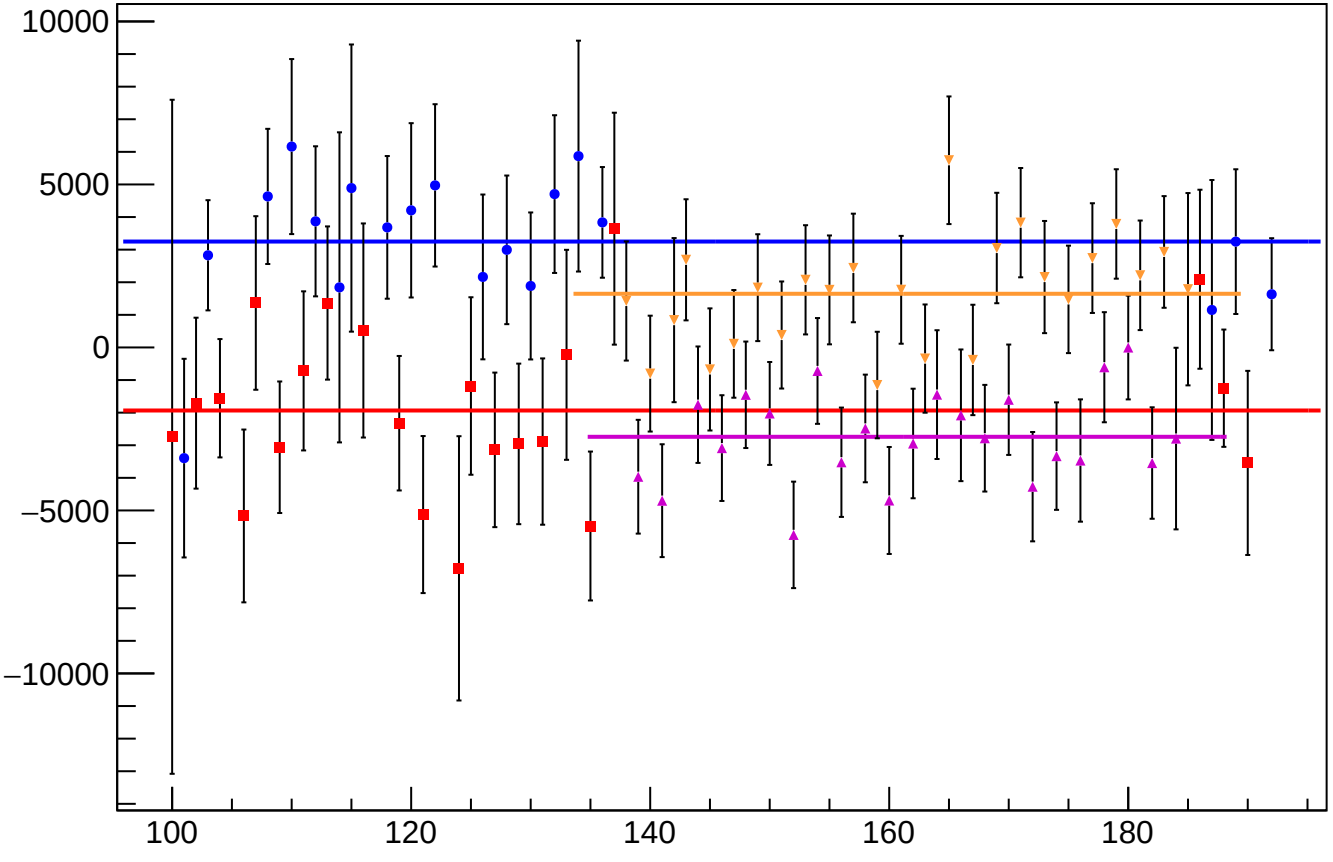
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8803491.3/43

All: 0.000+/-0.000 χ^2/NDF: 17922511.9/88

- sign 0.000+/-0.000 χ^2/NDF: 9037941.5/44

reg_asym_usr_atr2_avg_mean vs Slug



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

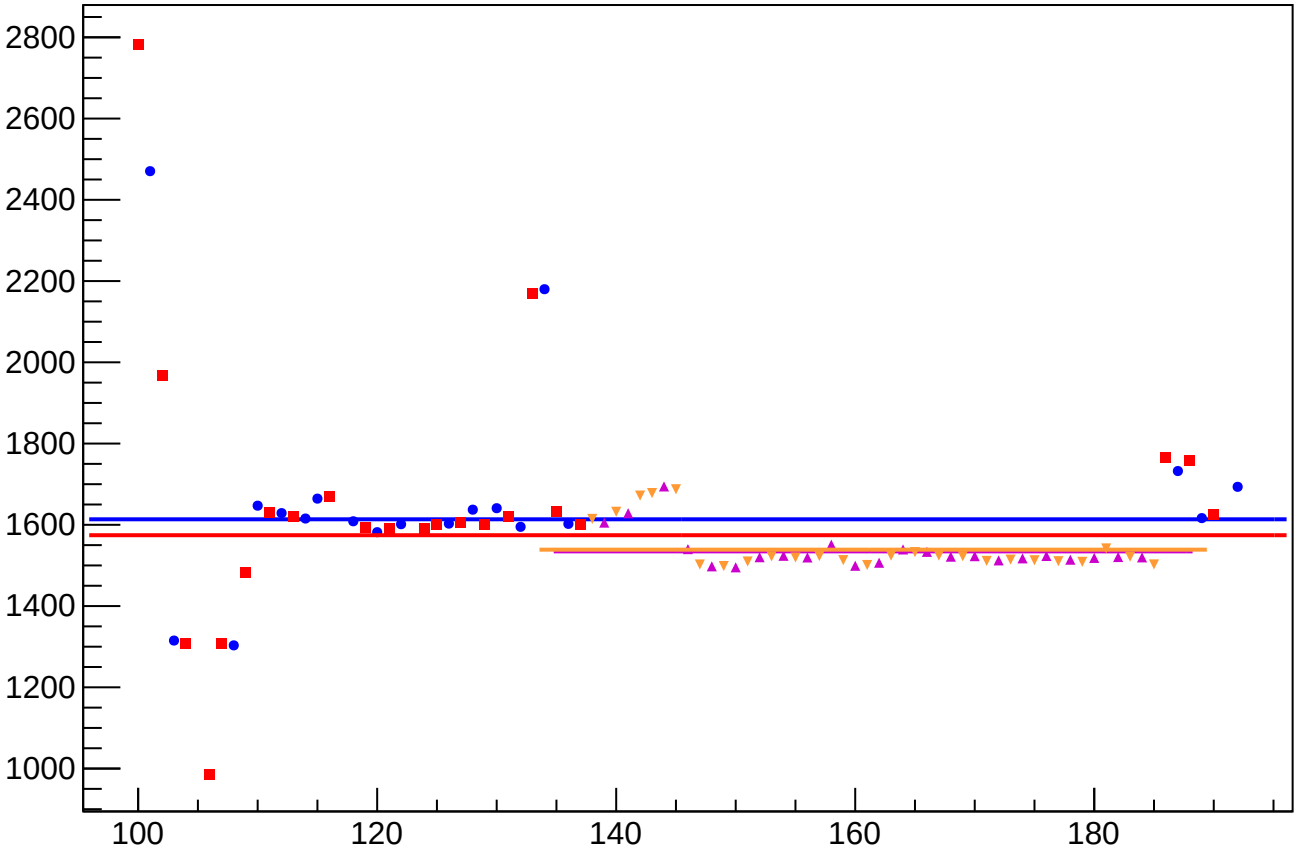
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2114.248+/-294.297 χ^2/NDF: 37.3/43

All: -158.747+/-209.465 χ^2/NDF: 194.0/88

- sign -2492.421+/-298.199 χ^2/NDF: 35.8/44

reg_asym_usr_atr2_avg_rms vs Slug



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

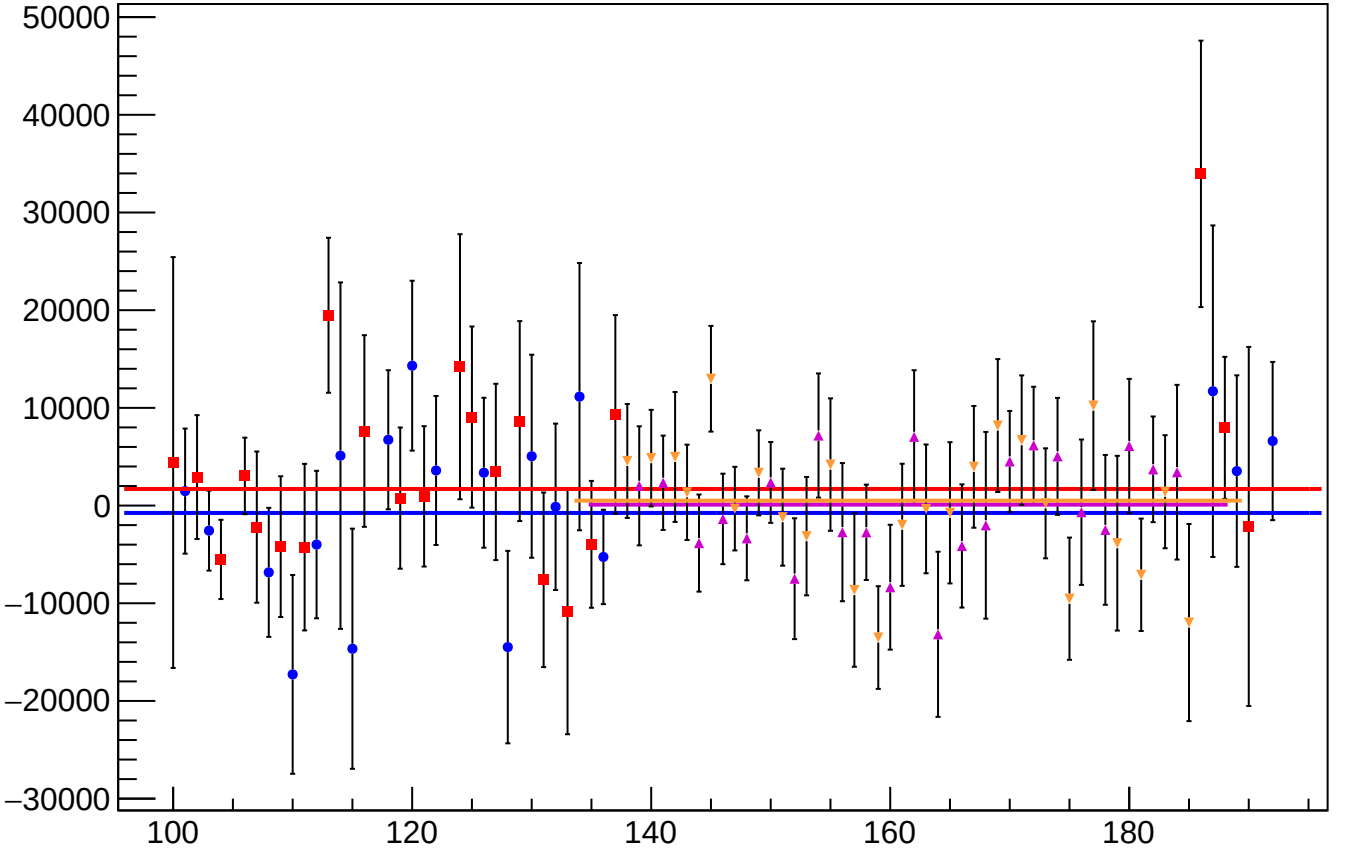
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1560.643+/-0.208 χ^2/NDF: 398162.4/43

All: 1553.934+/-0.148 χ^2/NDF: 851762.0/88

- sign 1547.106+/-0.210 χ^2/NDF: 451502.1/44

asym_usr_atr2_avg_reg_correction_mean vs Slug



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

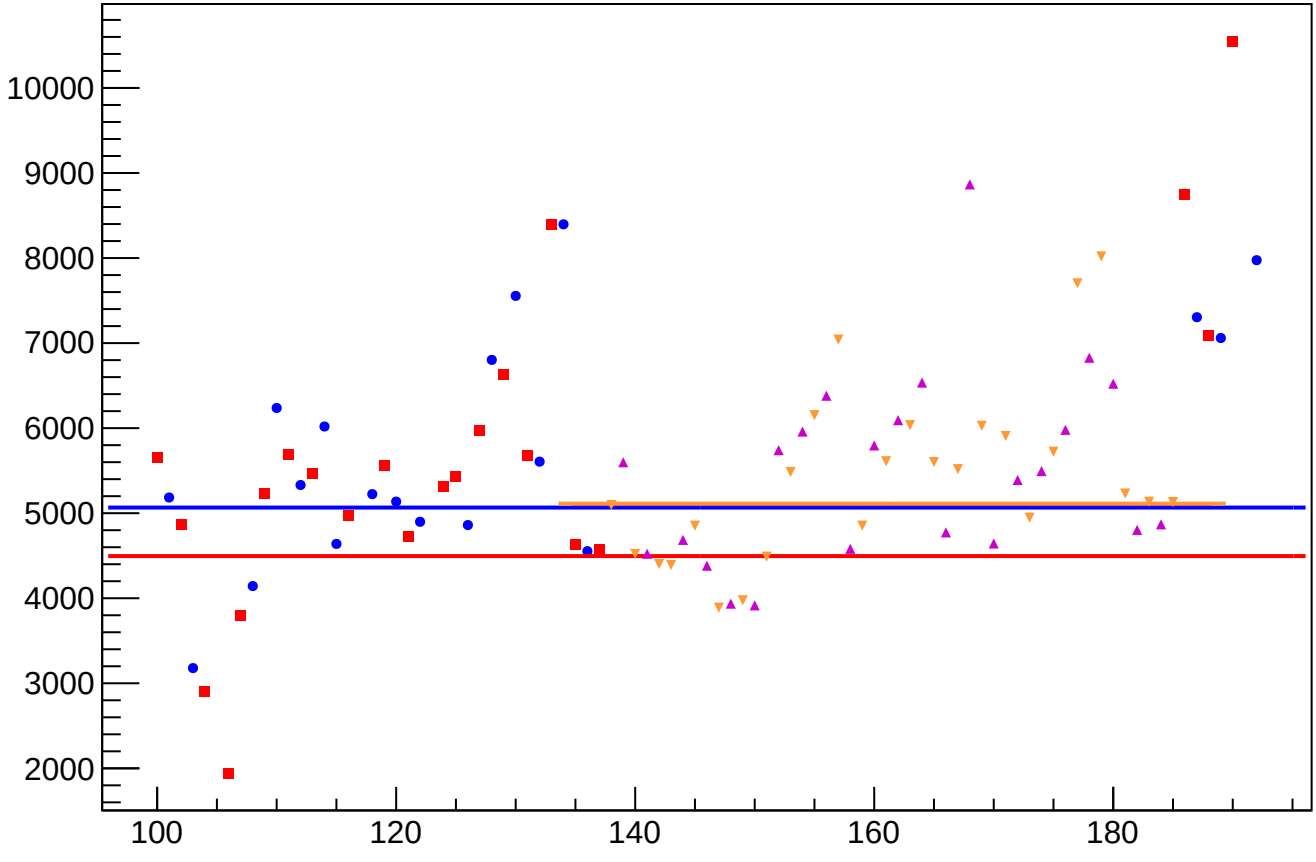
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

\+ sign 111.276+/-984.747 χ^2/NDF: 42.7/43

All: 400.202+/-691.403 χ^2/NDF: 80.3/88

\- sign 681.107+/-970.982 χ^2/NDF: 37.5/44

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 5066.214+/-1.246 χ^2/NDF: 1207135.8/18

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 4495.678+/-1.138 χ^2/NDF: 2392704.0/21

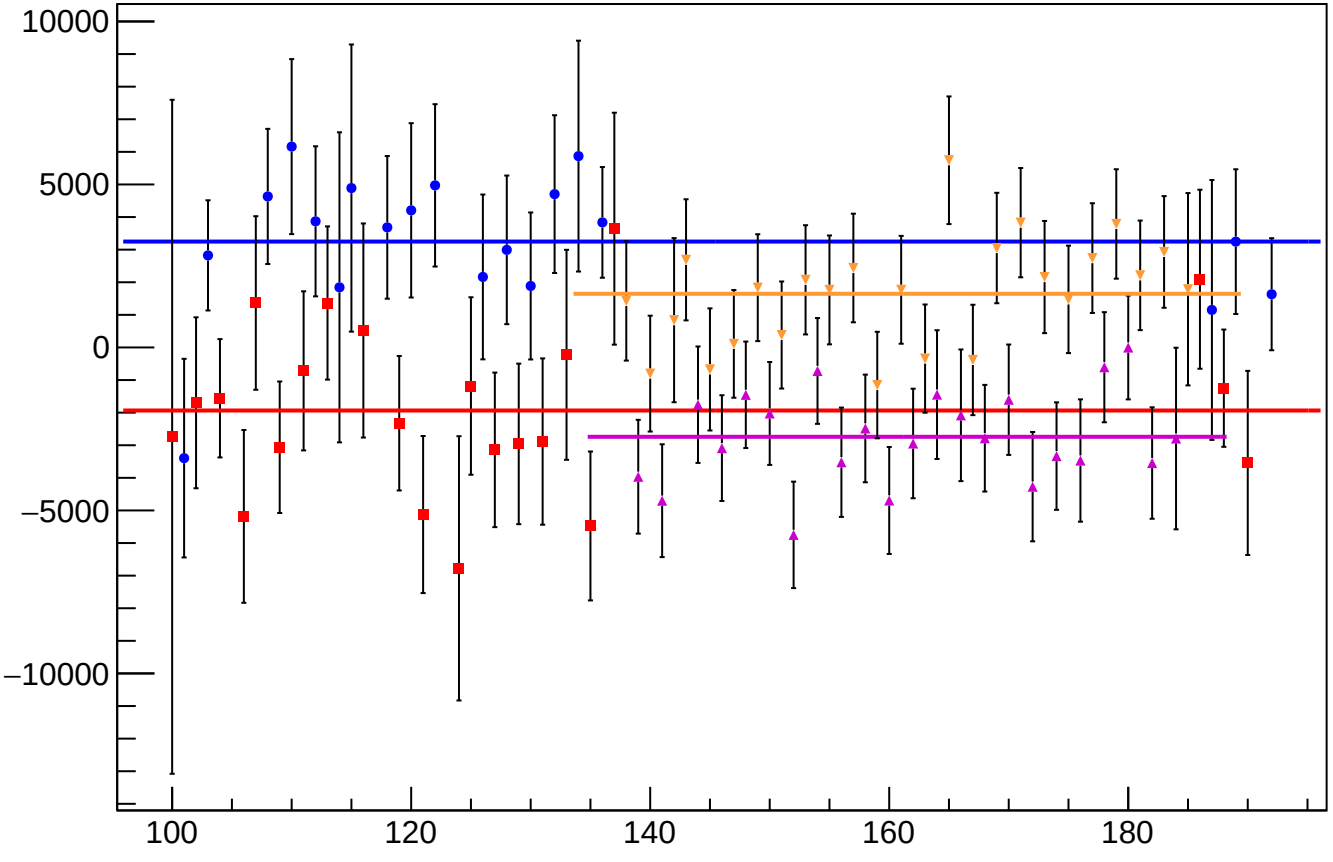
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5098.366+/-0.696 χ^2/NDF: 2367113.5/43

All: 4989.704+/-0.489 χ^2/NDF: 6242640.3/88

- sign 4884.058+/-0.687 χ^2/NDF: 3827498.2/44

cor_asym_usr_atr2_avg_mean vs Slug



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

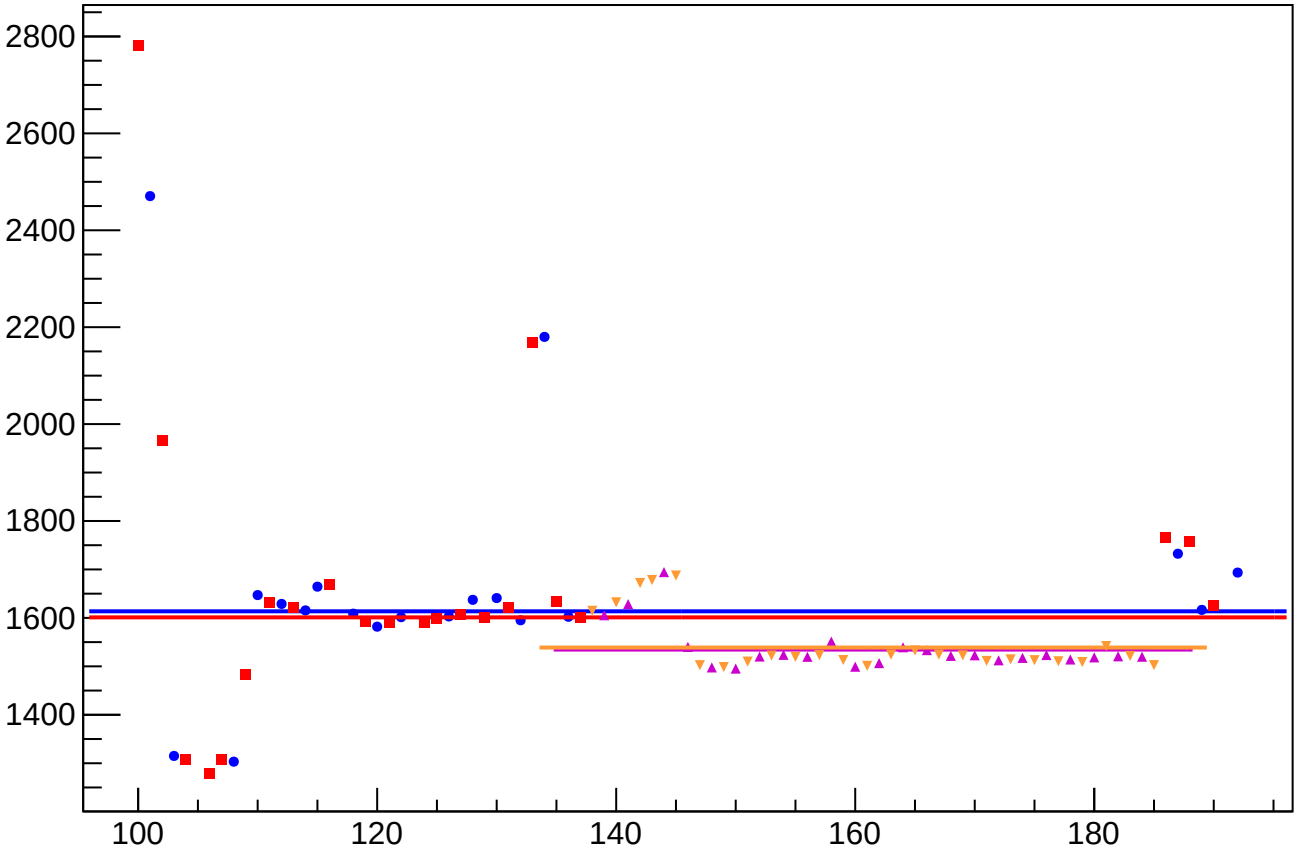
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2114.097+/-294.297 χ^2/NDF: 37.3/43

All: -158.782+/-209.465 χ^2/NDF: 194.0/88

- sign -2492.344+/-298.199 χ^2/NDF: 35.8/44

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1613.583+/-0.385 χ^2/NDF: 324414.6/18

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

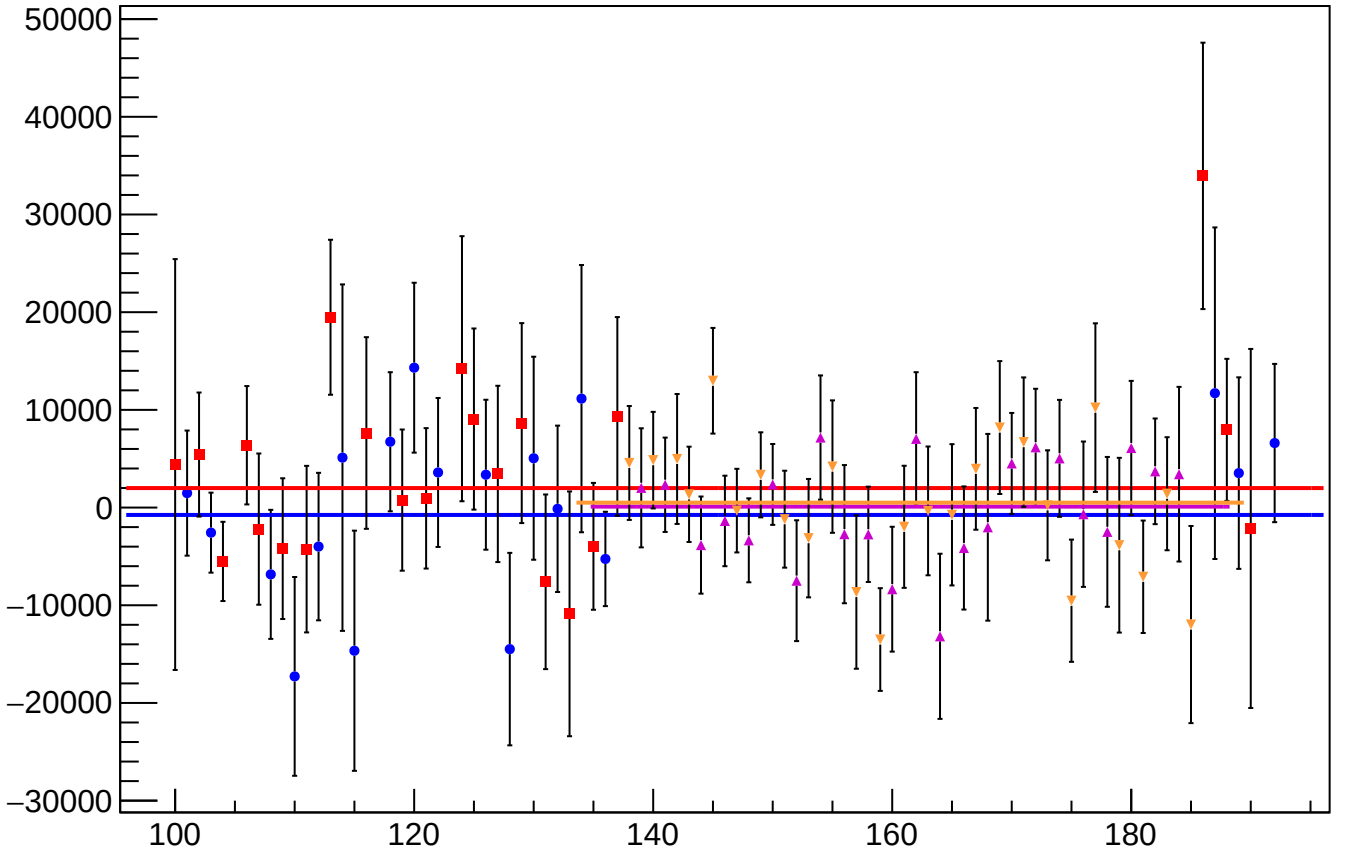
Right Out: 1601.076+/-0.379 χ^2/NDF: 269658.2/21

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1560.643+/-0.208 χ^2/NDF: 398161.7/43

All: 1557.942+/-0.148 χ^2/NDF: 720550.8/88

- sign 1555.175+/-0.211 χ^2/NDF: 322048.0/44



Right In: -754.175+/-1762.729 χ^2/NDF: 15.5/18

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

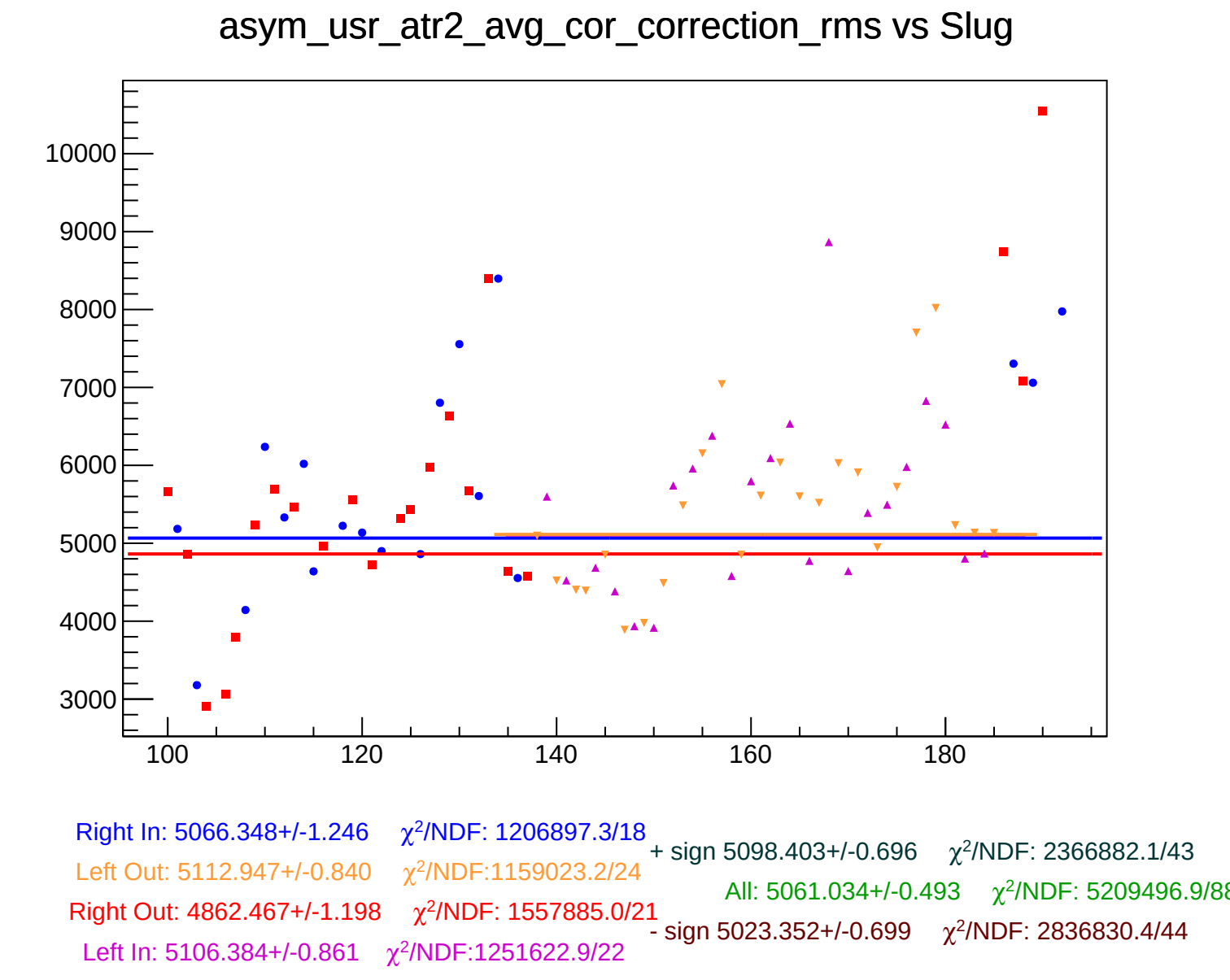
Right Out: 1995.079+/-1694.857 χ^2/NDF: 22.7/21

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

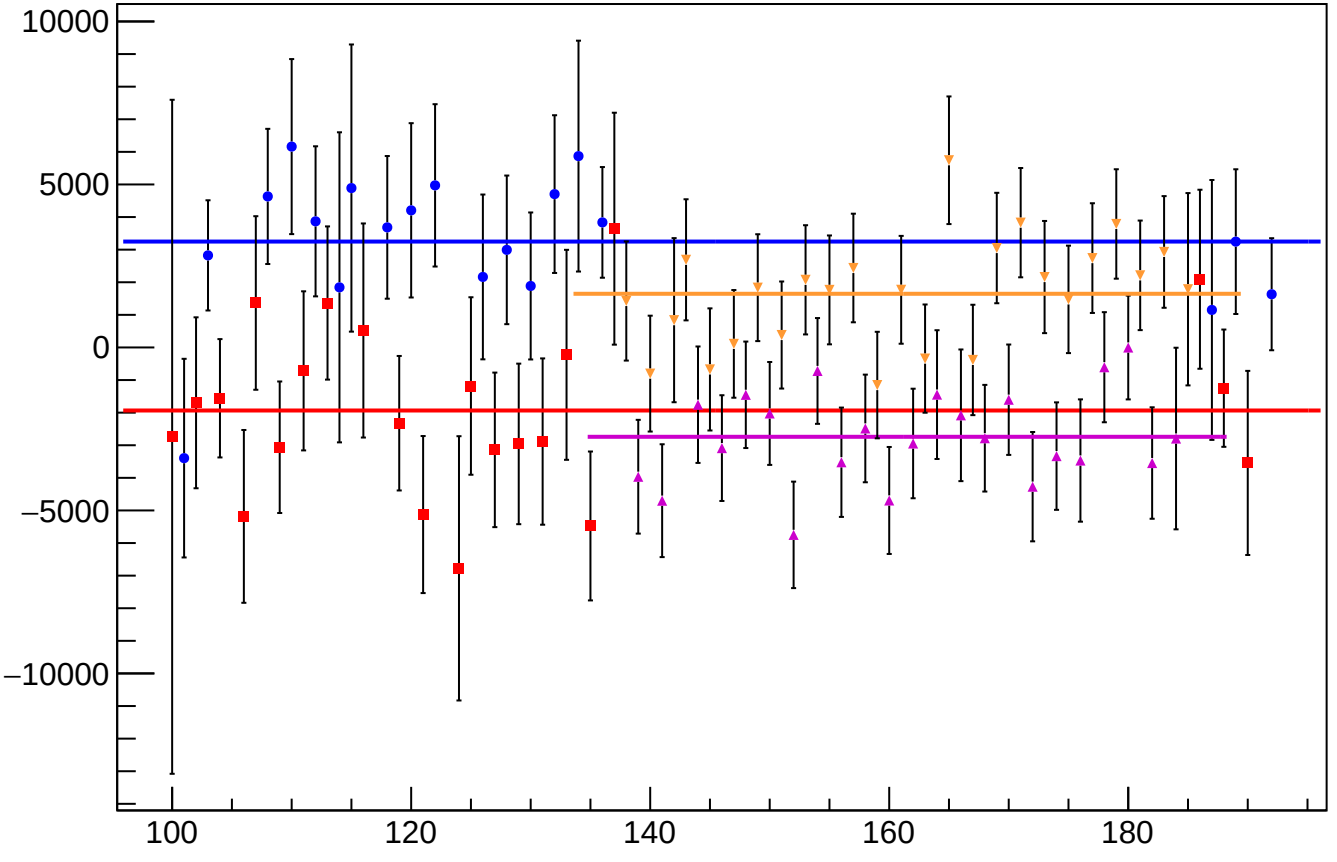
\+ sign 111.230+/-984.751 χ^2/NDF: 42.7/43

All: 426.169+/-697.773 χ^2/NDF: 81.3/88

\- sign 743.743+/-988.862 χ^2/NDF: 38.4/44


asym_usr_atr2_avg_cor_correction_rms vs Slug
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
+ sign 5098.403+/-0.696 χ²/NDF: 2366882.1/43
All: 5061.034+/-0.493 χ²/NDF: 5209496.9/88
- sign 5023.352+/-0.699 χ²/NDF: 2836830.4/44

eigen_cor_asym_usr_atr2_avg_mean vs Slug



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

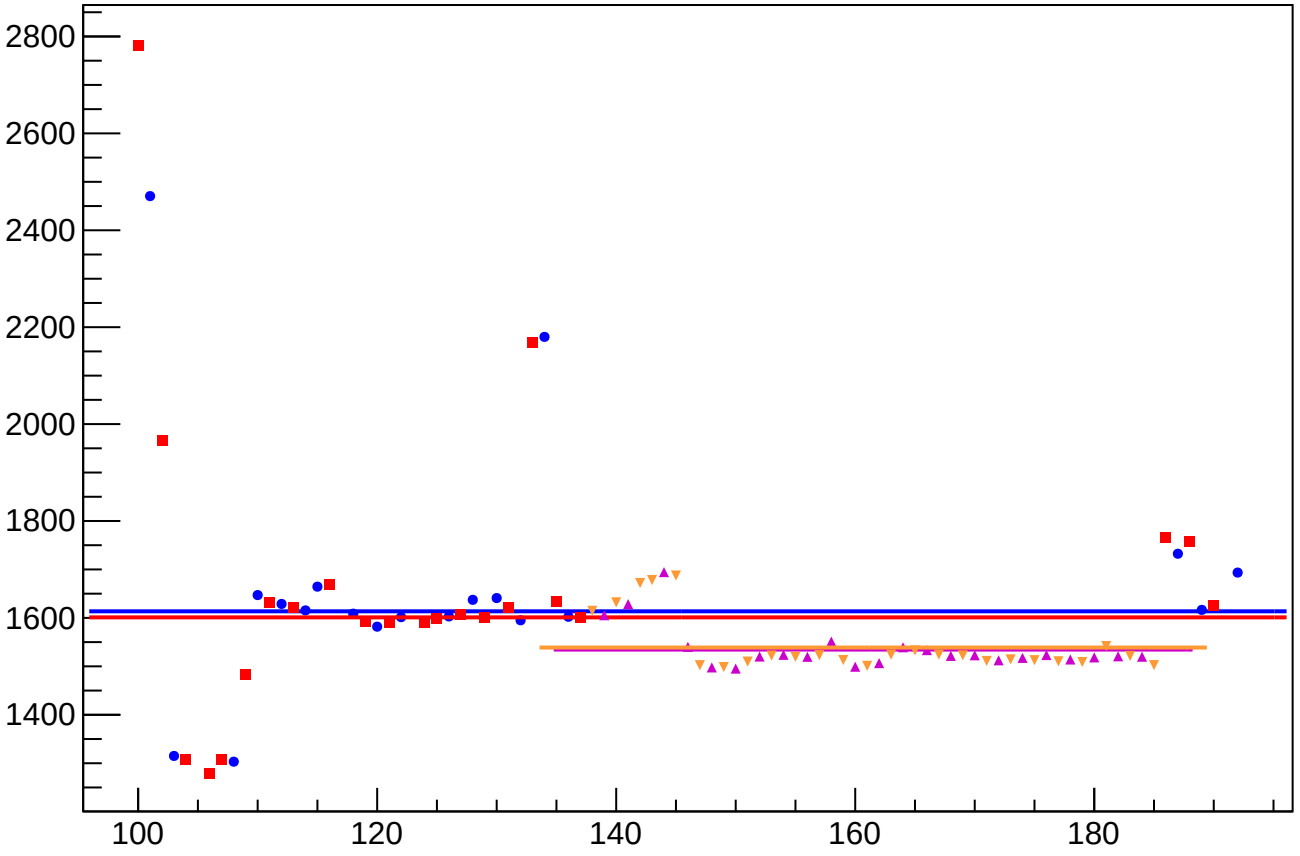
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2114.097+/-294.297 χ^2/NDF: 37.3/43

All: -158.782+/-209.465 χ^2/NDF: 194.0/88

- sign -2492.344+/-298.199 χ^2/NDF: 35.8/44

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1613.583+/-0.385 χ^2/NDF: 324414.6/18

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

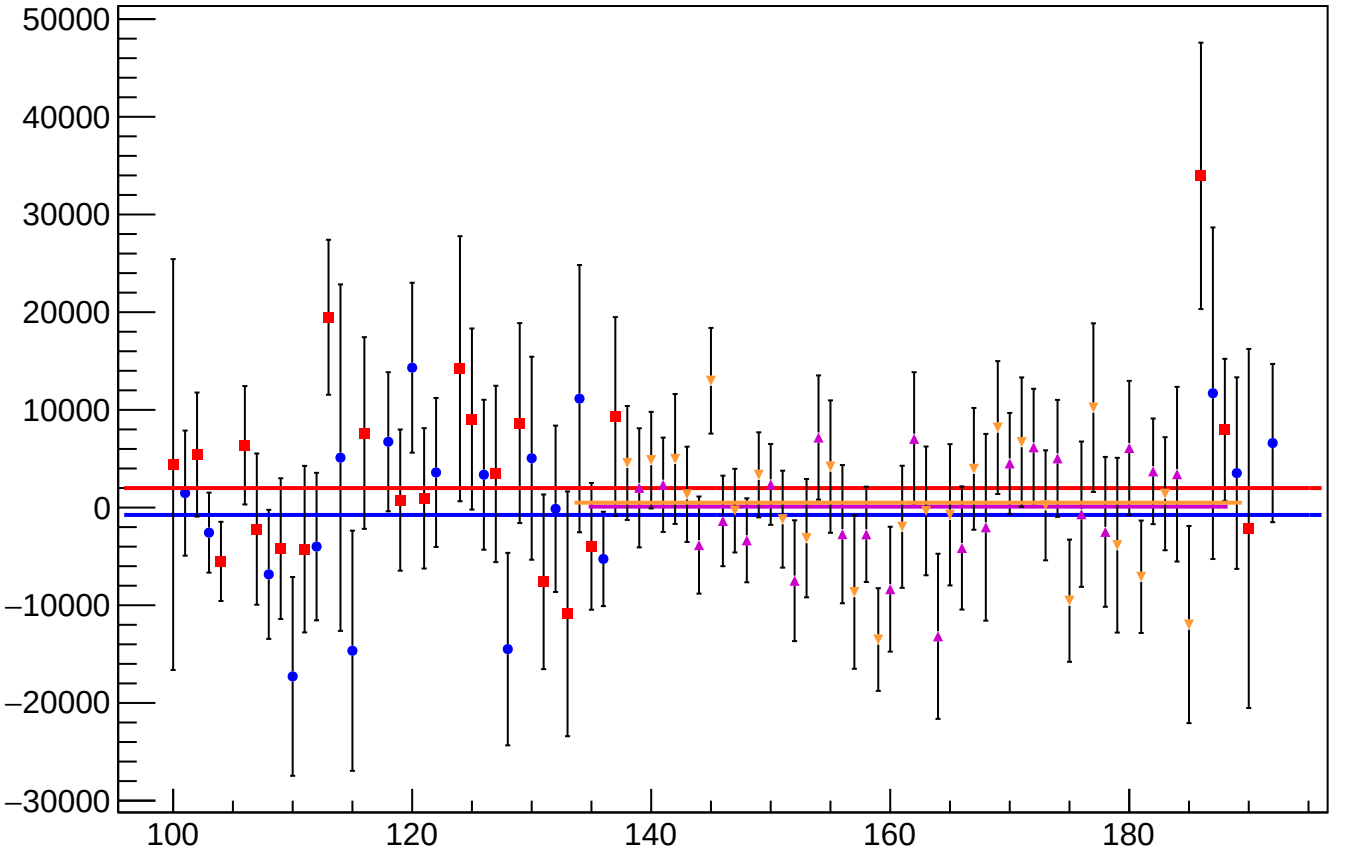
Right Out: 1601.076+/-0.379 χ^2/NDF: 269658.2/21

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1560.643+/-0.208 χ^2/NDF: 398161.7/43

All: 1557.942+/-0.148 χ^2/NDF: 720550.8/88

- sign 1555.175+/-0.211 χ^2/NDF: 322048.0/44



Right In: -754.175+/-1762.729 χ^2/NDF: 15.5/18

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

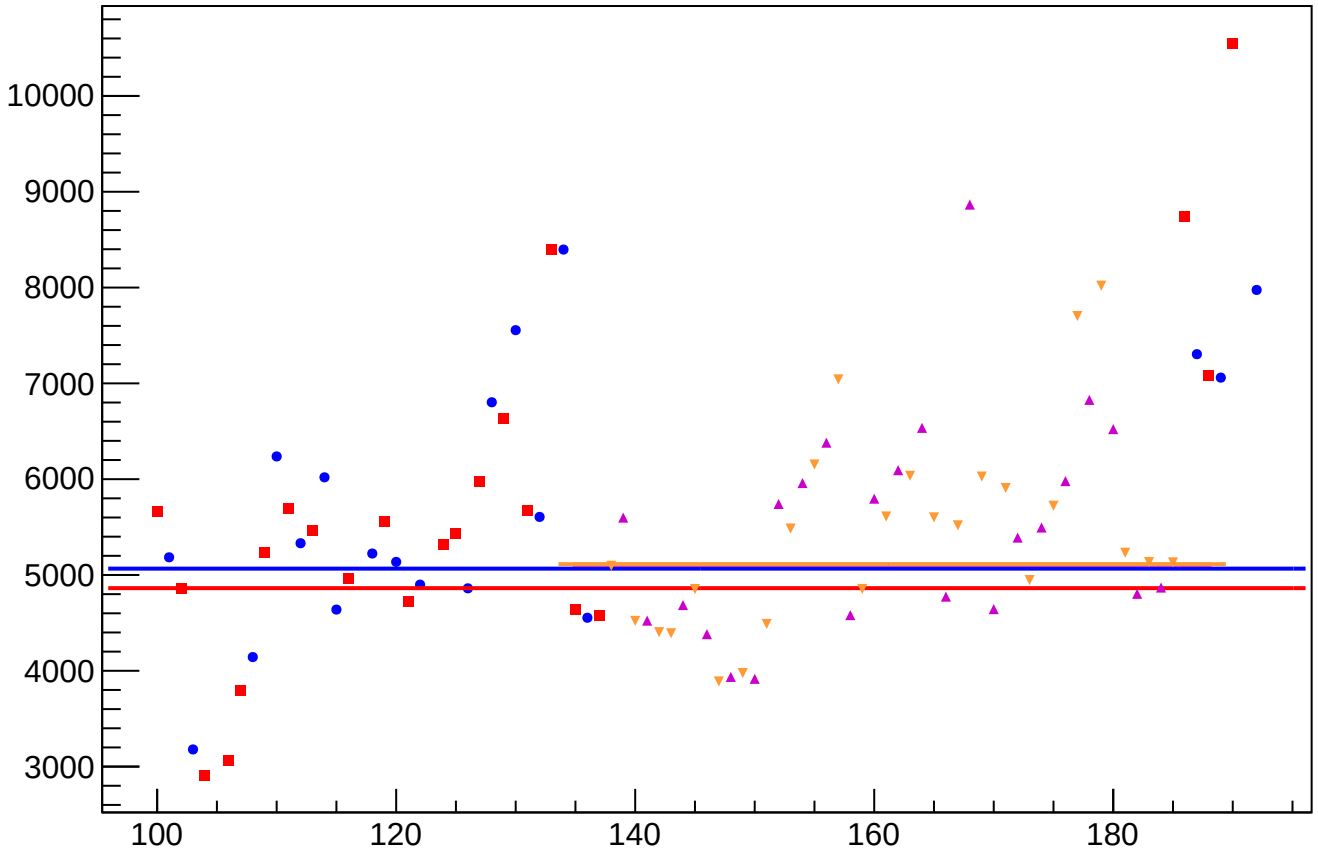
Right Out: 1995.079+/-1694.857 χ^2/NDF: 22.7/21

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign 111.230+/-984.751 χ^2/NDF: 42.7/43

All: 426.169+/-697.773 χ^2/NDF: 81.3/88

\- sign 743.743+/-988.862 χ^2/NDF: 38.4/44



Right In: 5066.348+/-1.246 χ^2/NDF: 1206897.3/18

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 4862.467+/-1.198 χ^2/NDF: 1557885.0/21

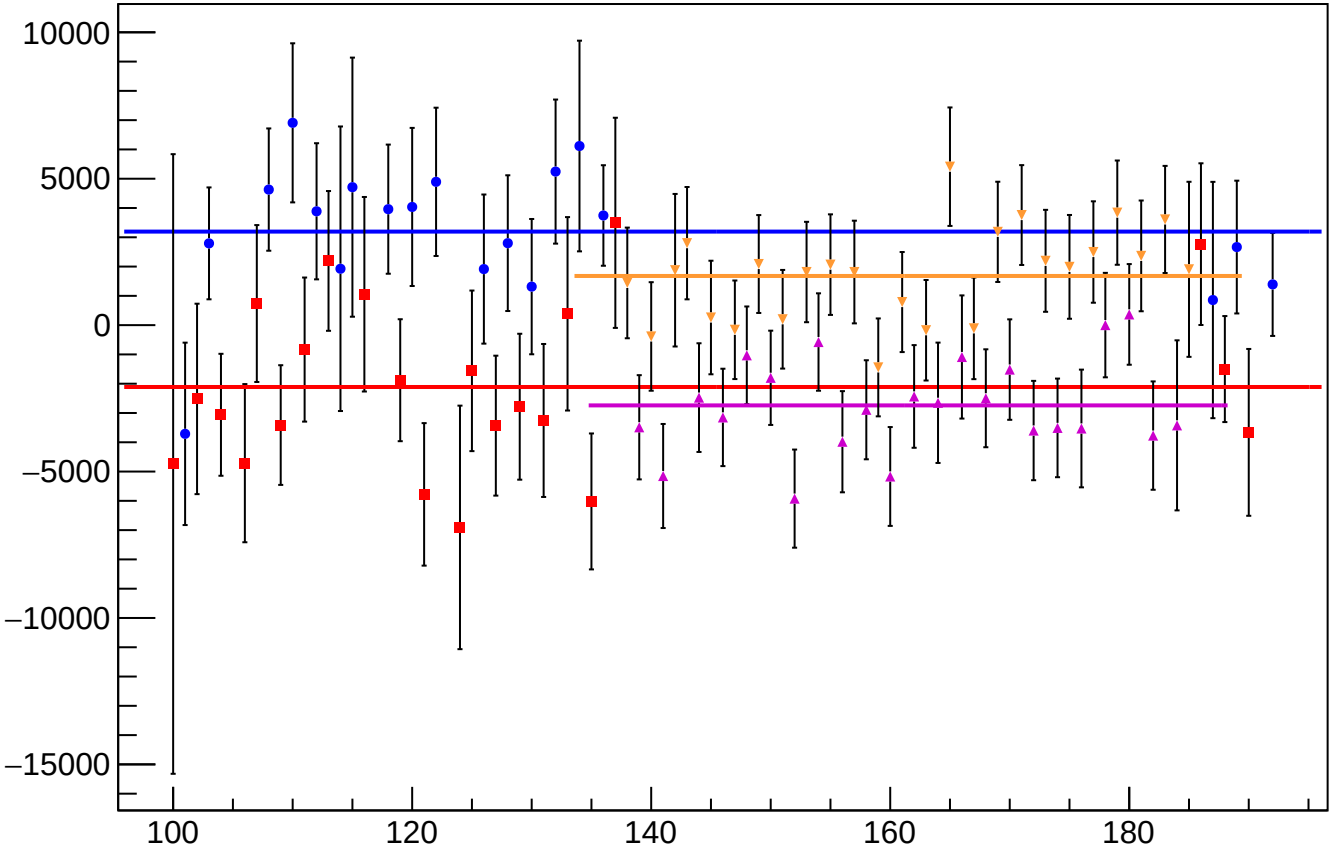
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5098.403+/-0.696 χ^2/NDF: 2366882.1/43

All: 5061.034+/-0.493 χ^2/NDF: 5209496.9/88

- sign 5023.352+/-0.699 χ^2/NDF: 2836830.4/44

dit_asym_usr_atr2_avg_mean vs Slug



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

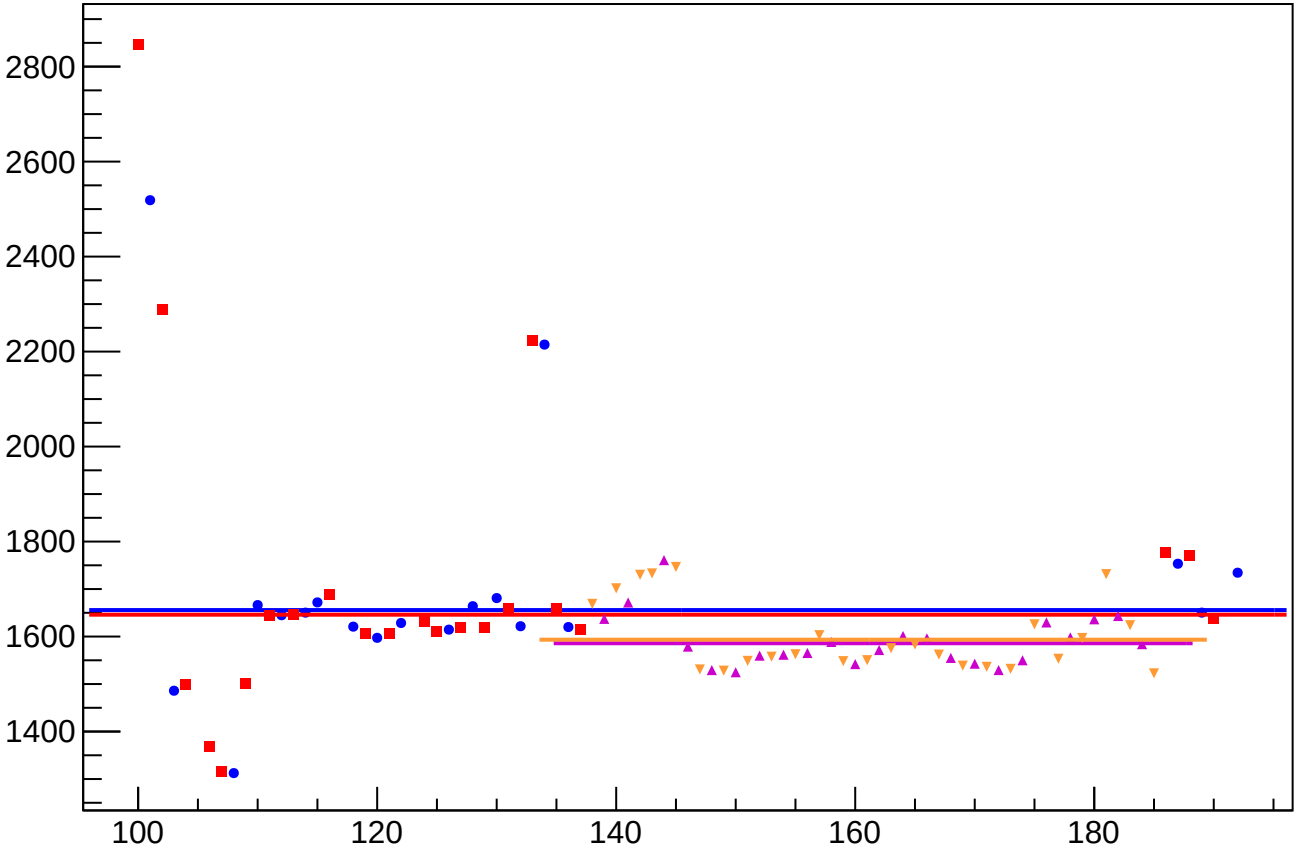
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2128.321+/-303.973 χ^2/NDF: 36.2/43

All: -178.991+/-216.308 χ^2/NDF: 193.8/88

- sign -2545.917+/-307.875 χ^2/NDF: 40.9/44

dit_asym_usr_atr2_avg_rms vs Slug



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

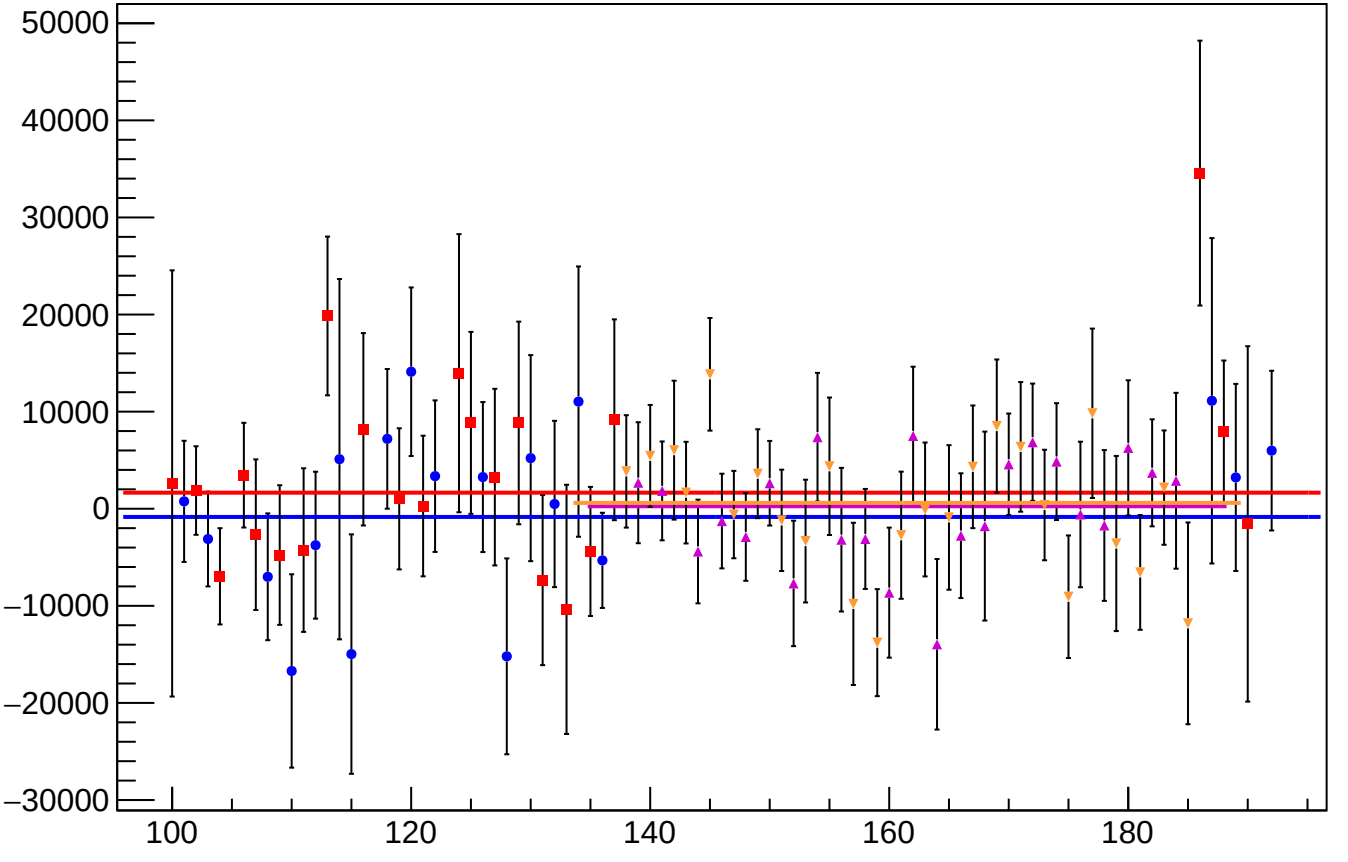
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

\+ sign 1611.870+/-0.215 χ^2/NDF: 370124.3/43

All: 1608.264+/-0.153 χ^2/NDF: 682508.8/88

\- sign 1604.567+/-0.218 χ^2/NDF: 311814.6/44

asym_usr_atr2_avg_dit_correction_mean vs Slug



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

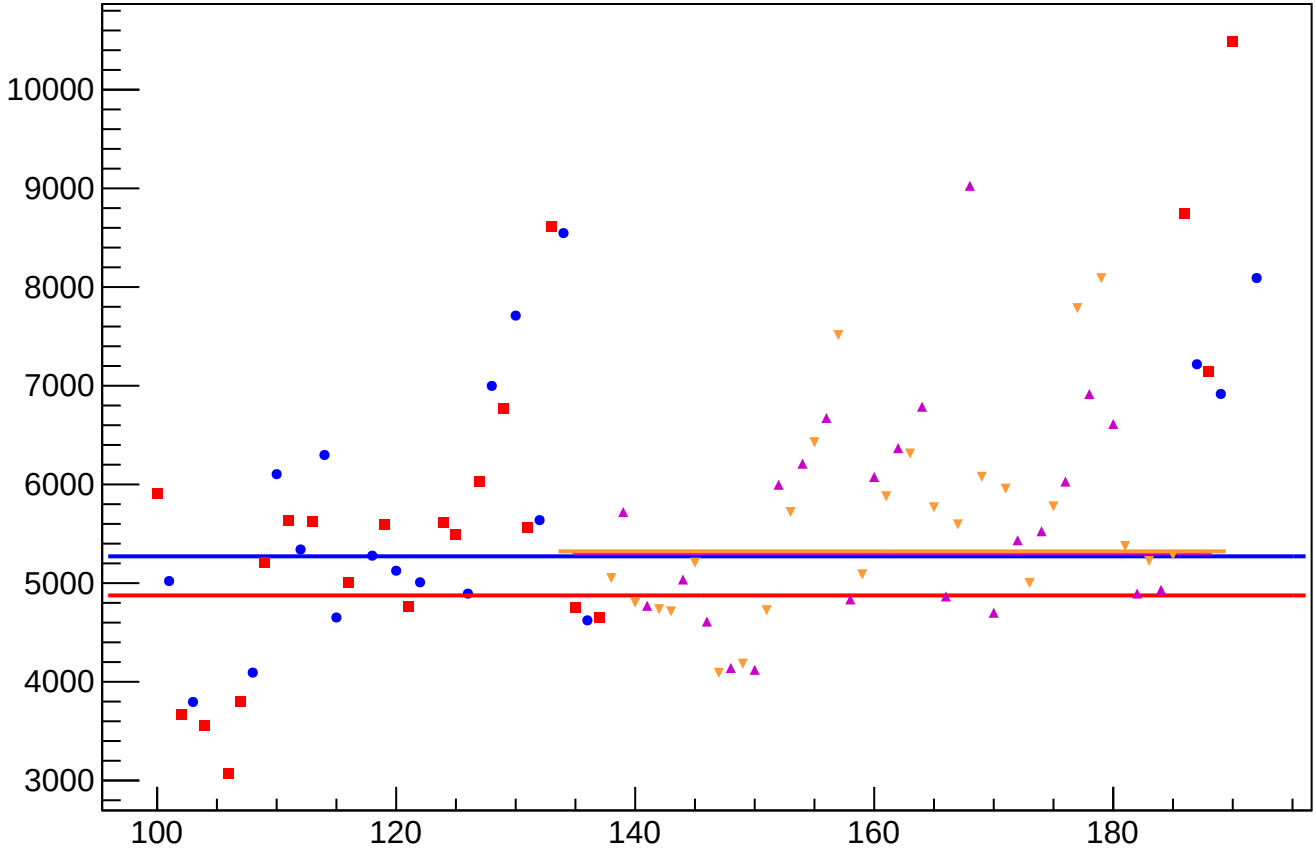
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

+ sign 145.978+/-1020.979 χ^2/NDF: 41.9/43

All: 456.746+/-717.830 χ^2/NDF: 79.0/88

- sign 760.534+/-1009.449 χ^2/NDF: 37.0/44

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5271.525+/-1.286 χ^2/NDF: 918295.8/18

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 4875.150+/-1.188 χ^2/NDF: 1443410.1/21

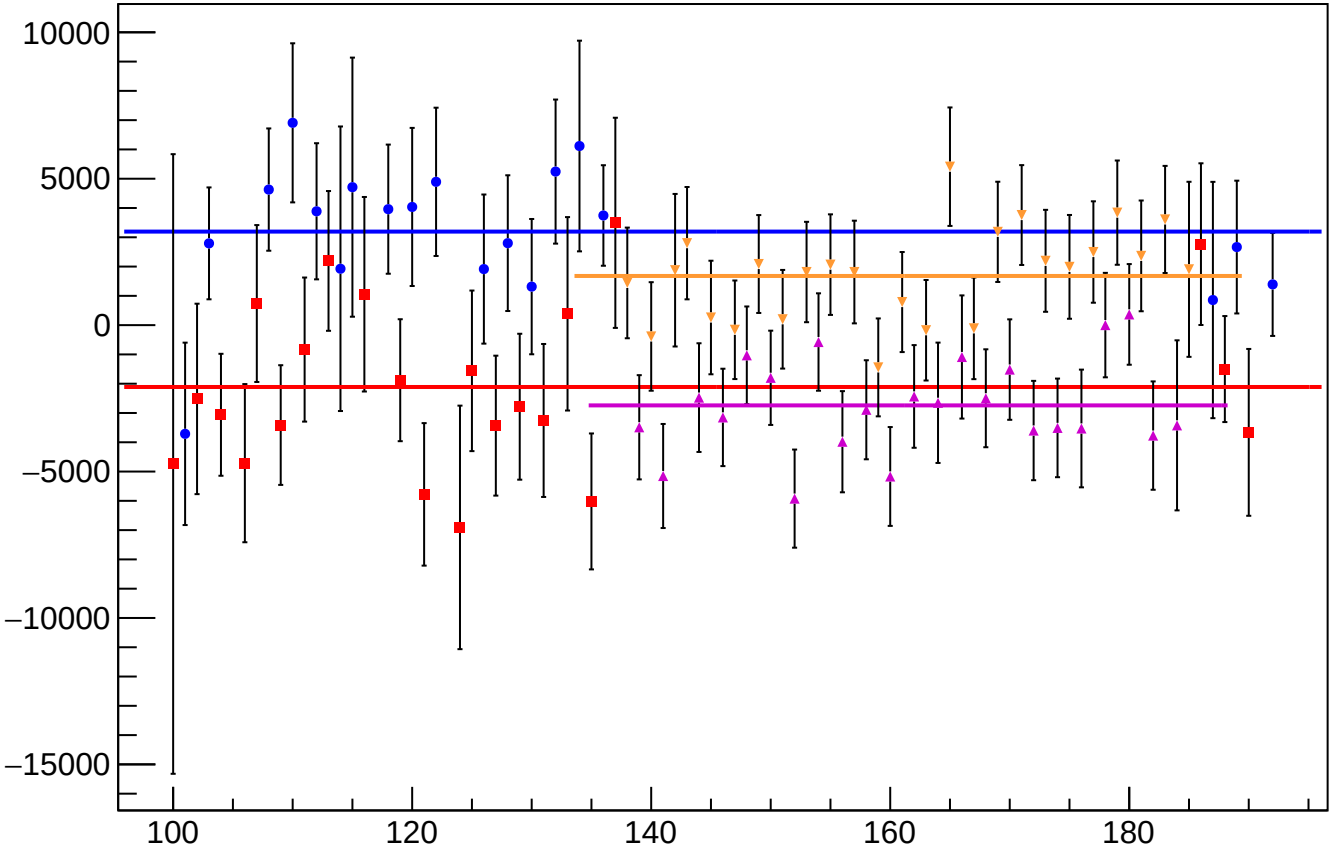
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5306.072+/-0.722 χ^2/NDF: 1956357.8/43

All: 5226.408+/-0.508 χ^2/NDF: 4659026.6/88

- sign 5148.533+/-0.714 χ^2/NDF: 2678589.1/44

eigen_dit_asym_usr_atr2_avg_mean vs Slug



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

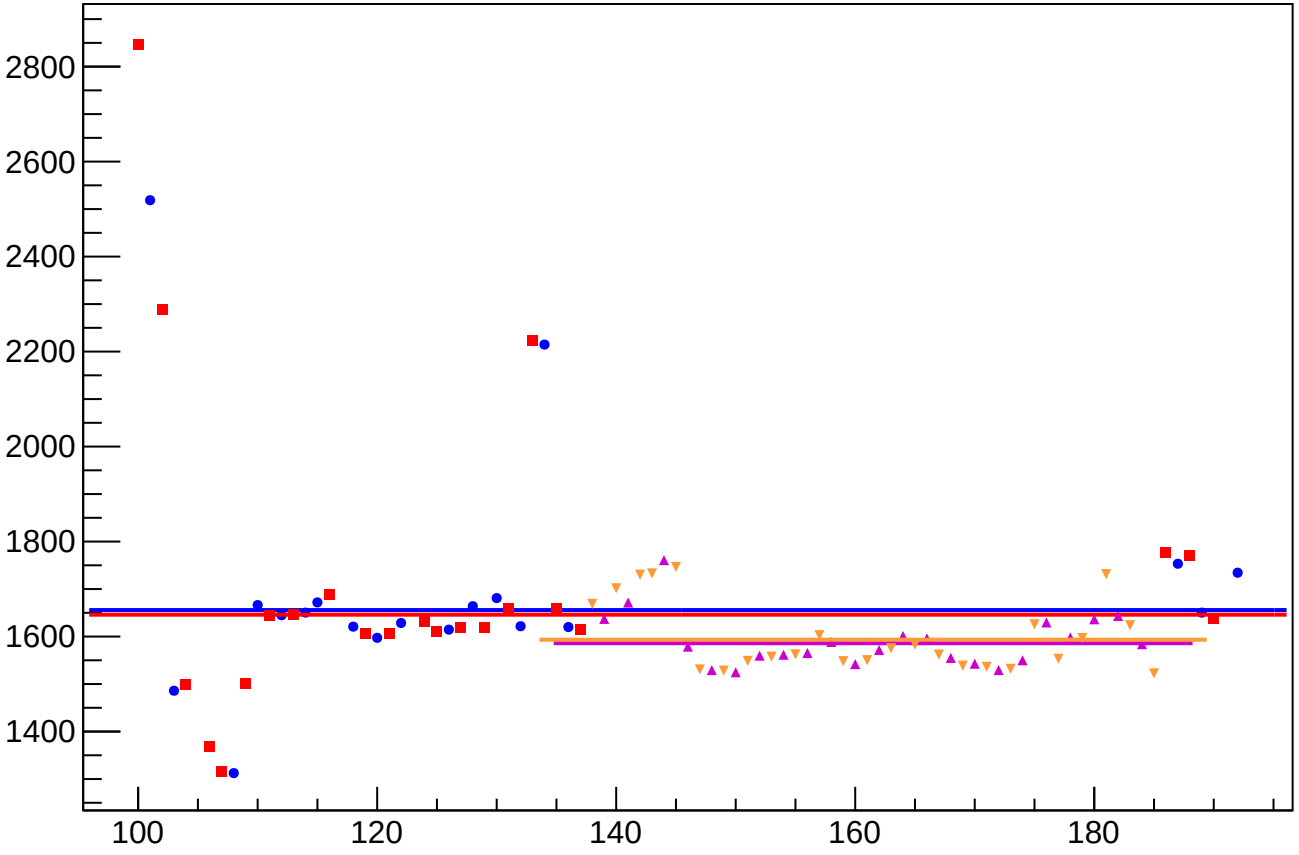
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2128.317+/-303.973 χ^2/NDF: 36.2/43

All: -178.993+/-216.308 χ^2/NDF: 193.8/88

- sign -2545.918+/-307.875 χ^2/NDF: 40.9/44

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1655.740+/-0.395 χ^2/NDF: 280697.1/18

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

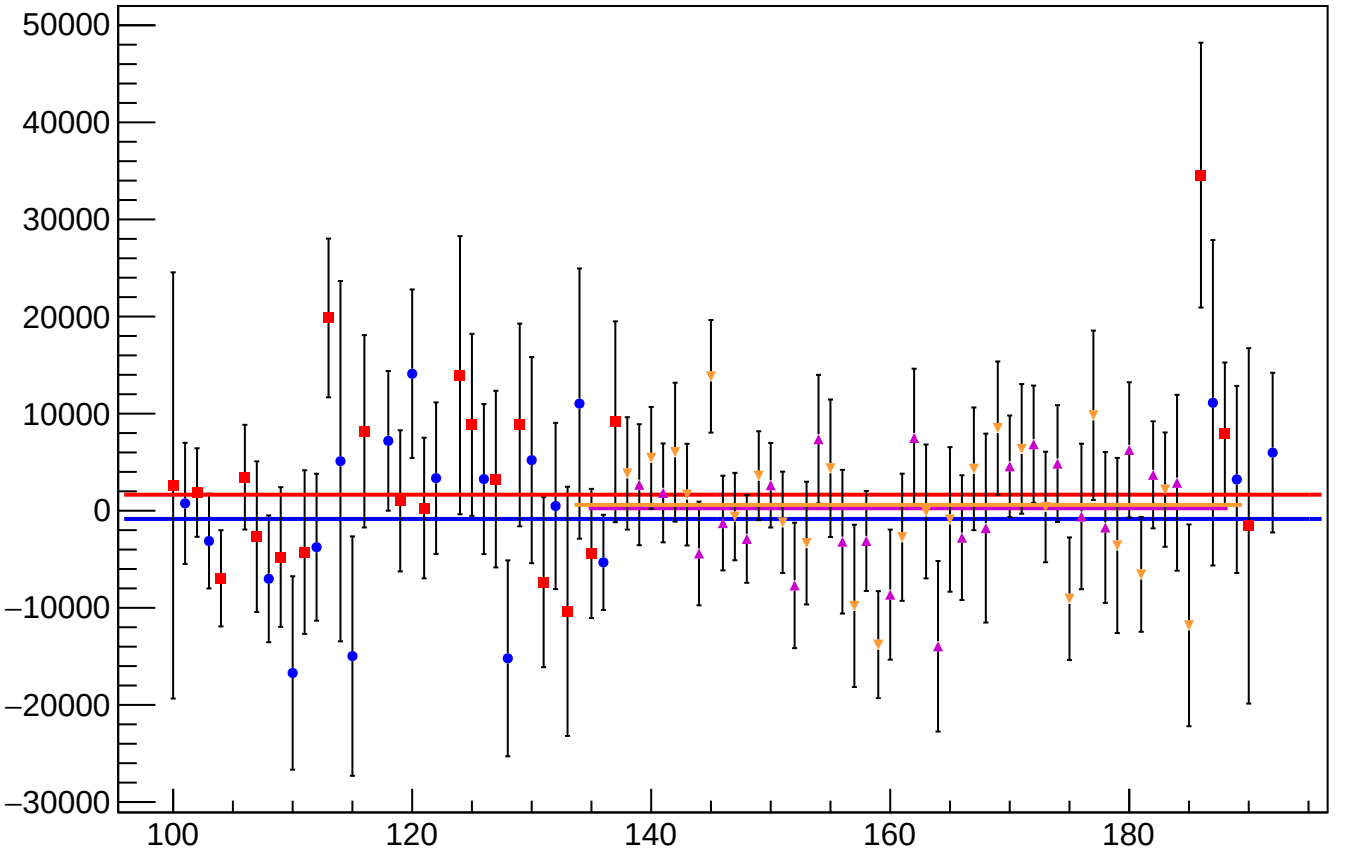
Right Out: 1646.040+/-0.391 χ^2/NDF: 253572.4/21

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

\+ sign 1611.871+/-0.215 χ^2/NDF: 370123.3/43

All: 1608.265+/-0.153 χ^2/NDF: 682506.6/88

\- sign 1604.568+/-0.218 χ^2/NDF: 311813.3/44



Right In: -845.452+/-1819.224 χ^2/NDF: 15.4/18

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

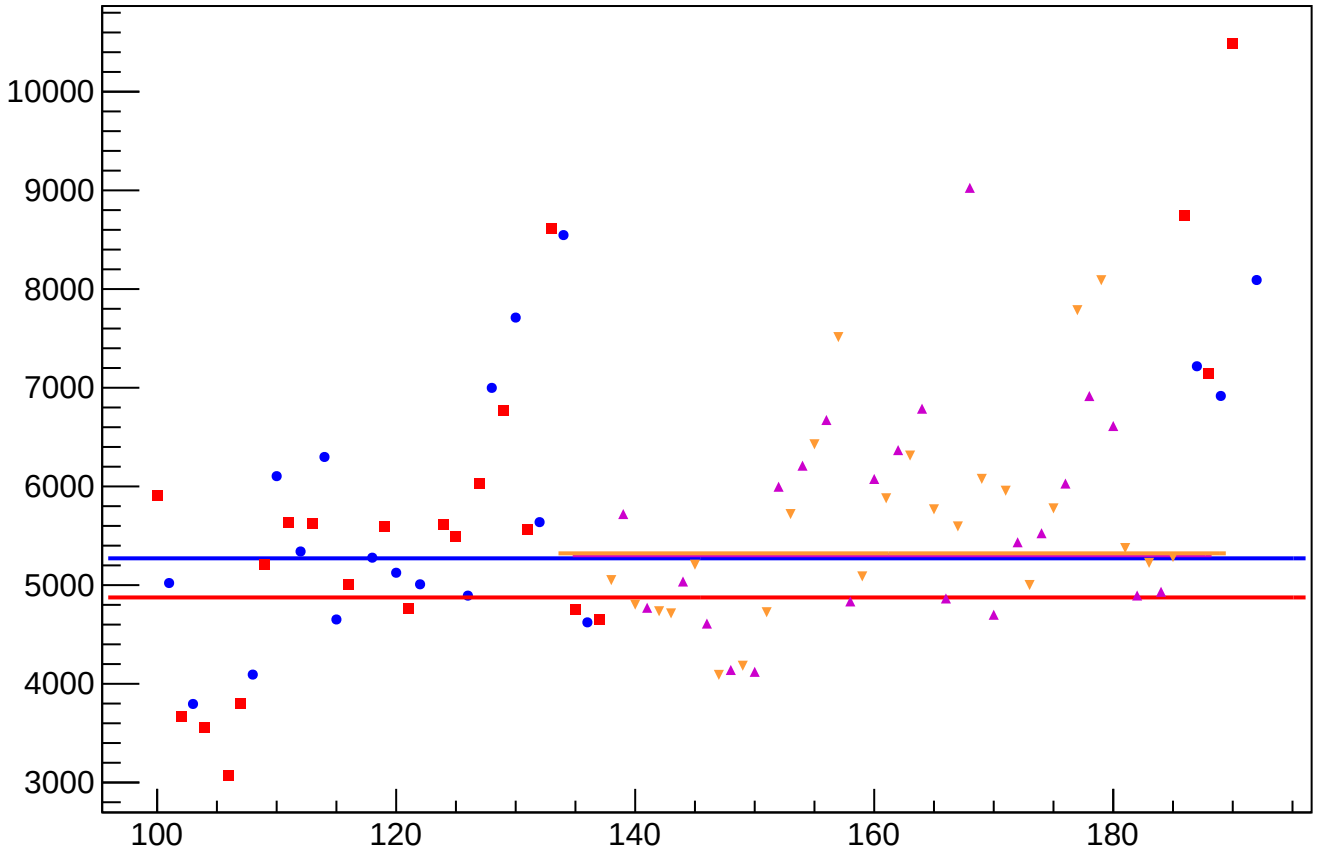
Right Out: 1654.517+/-1680.531 χ^2/NDF: 21.9/21

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

\+ sign 145.978+/-1020.980 χ^2/NDF: 41.9/43

All: 456.747+/-717.830 χ^2/NDF: 79.0/88

\- sign 760.537+/-1009.450 χ^2/NDF: 37.0/44



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

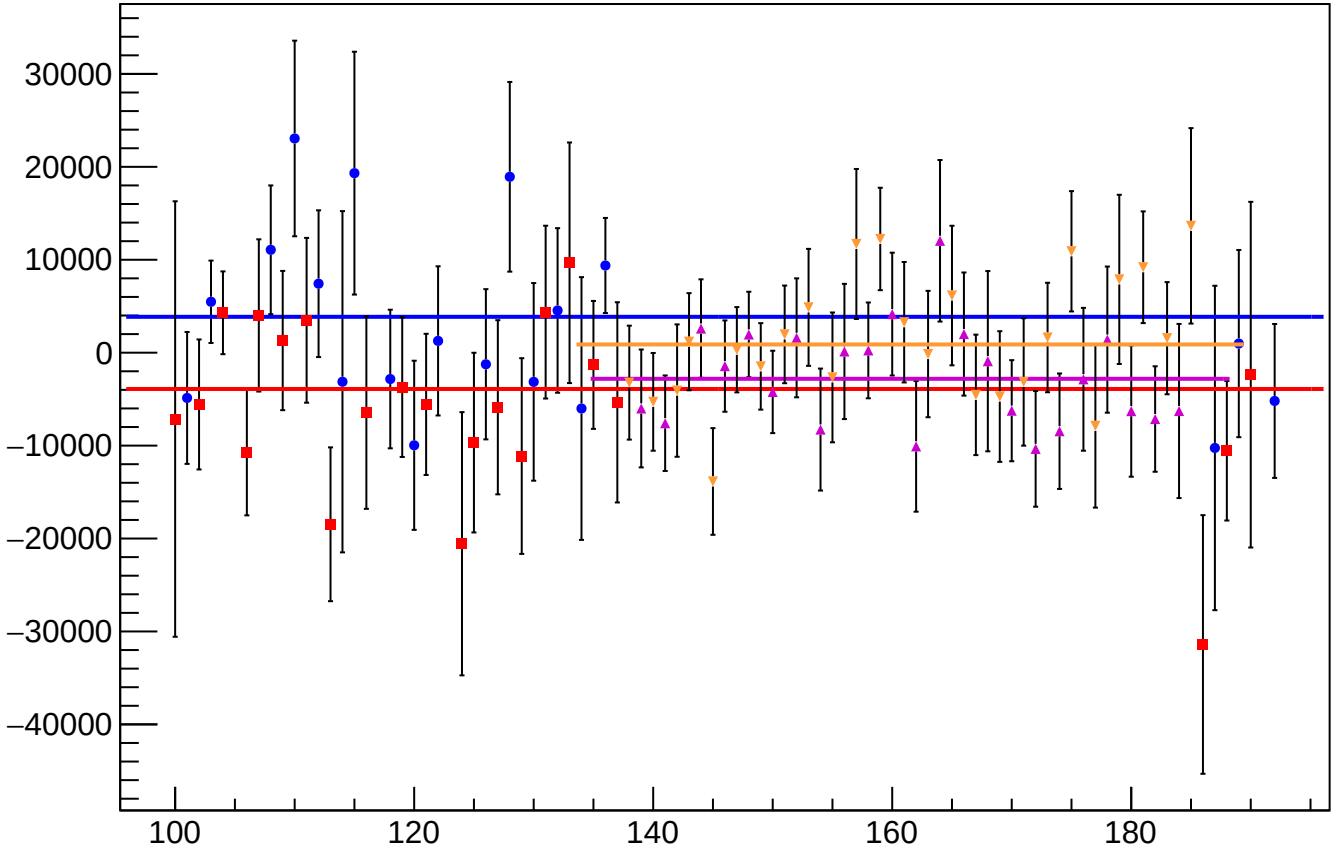
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5306.076+/-0.722 χ^2/NDF: 1956356.4/43

All: 5226.411+/-0.508 χ^2/NDF: 4659031.8/88

- sign 5148.535+/-0.714 χ^2/NDF: 2678595.3/44

asym_usr_atr2_avg_mean vs Slug



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

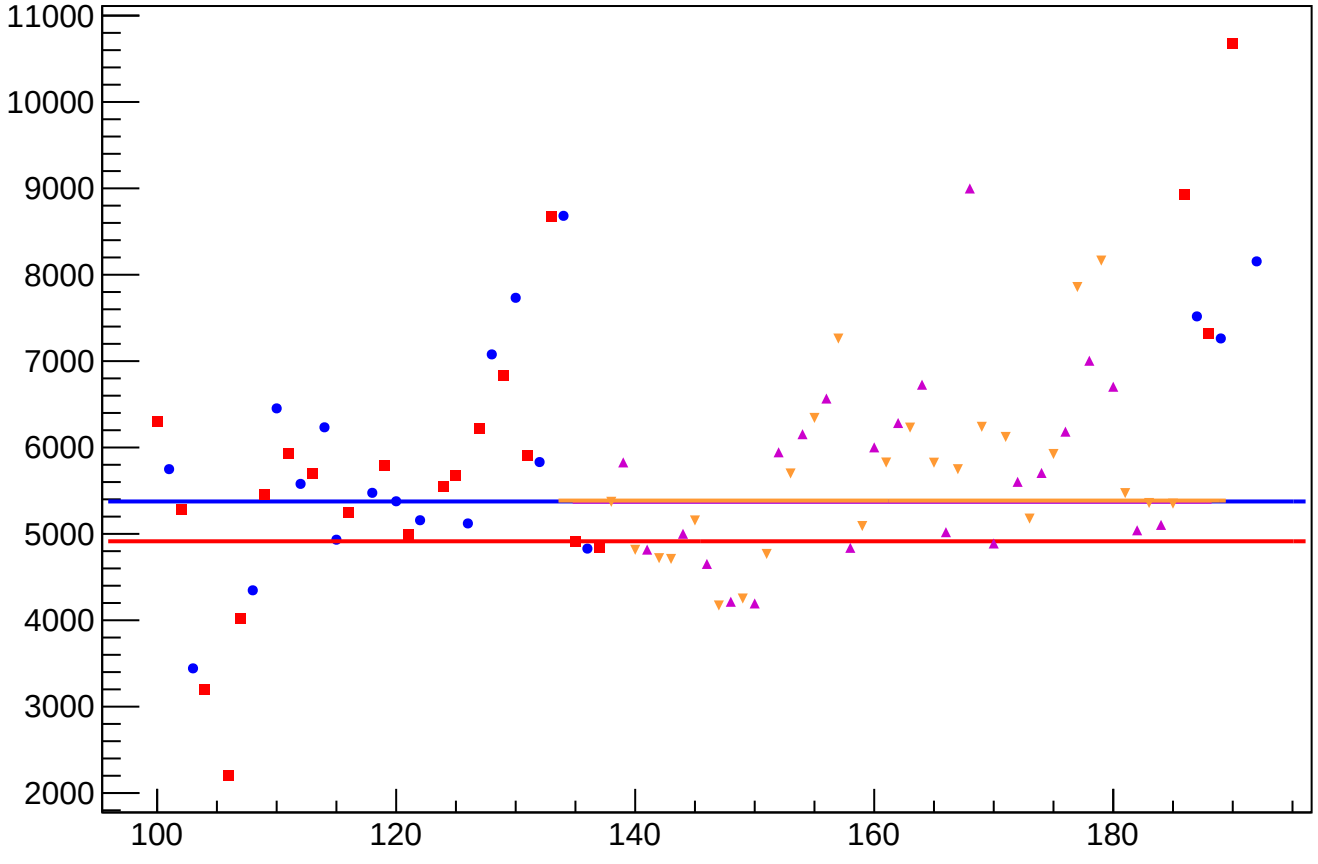
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1806.073+/-1035.827 χ^2/NDF: 45.0/43

All: -670.543+/-734.637 χ^2/NDF: 90.3/88

- sign -3177.092+/-1042.068 χ^2/NDF: 33.7/44

asym_usr_atr2_avg_rms vs Slug



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

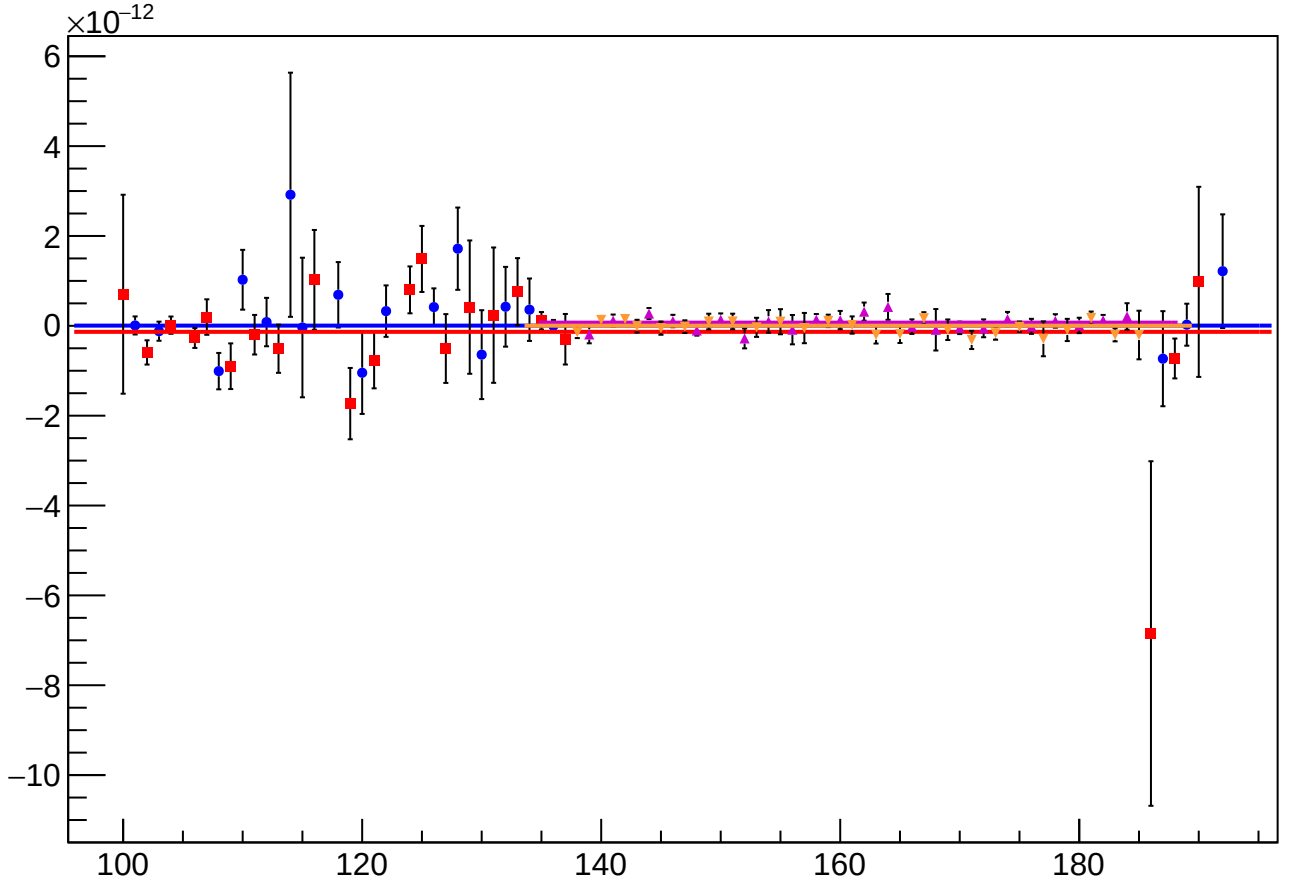
Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5382.467+/-0.732 χ^2/NDF: 2066615.1/43

All: 5296.779+/-0.516 χ^2/NDF: 5206811.9/88

- sign 5212.162+/-0.728 χ^2/NDF: 3112994.7/44

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



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

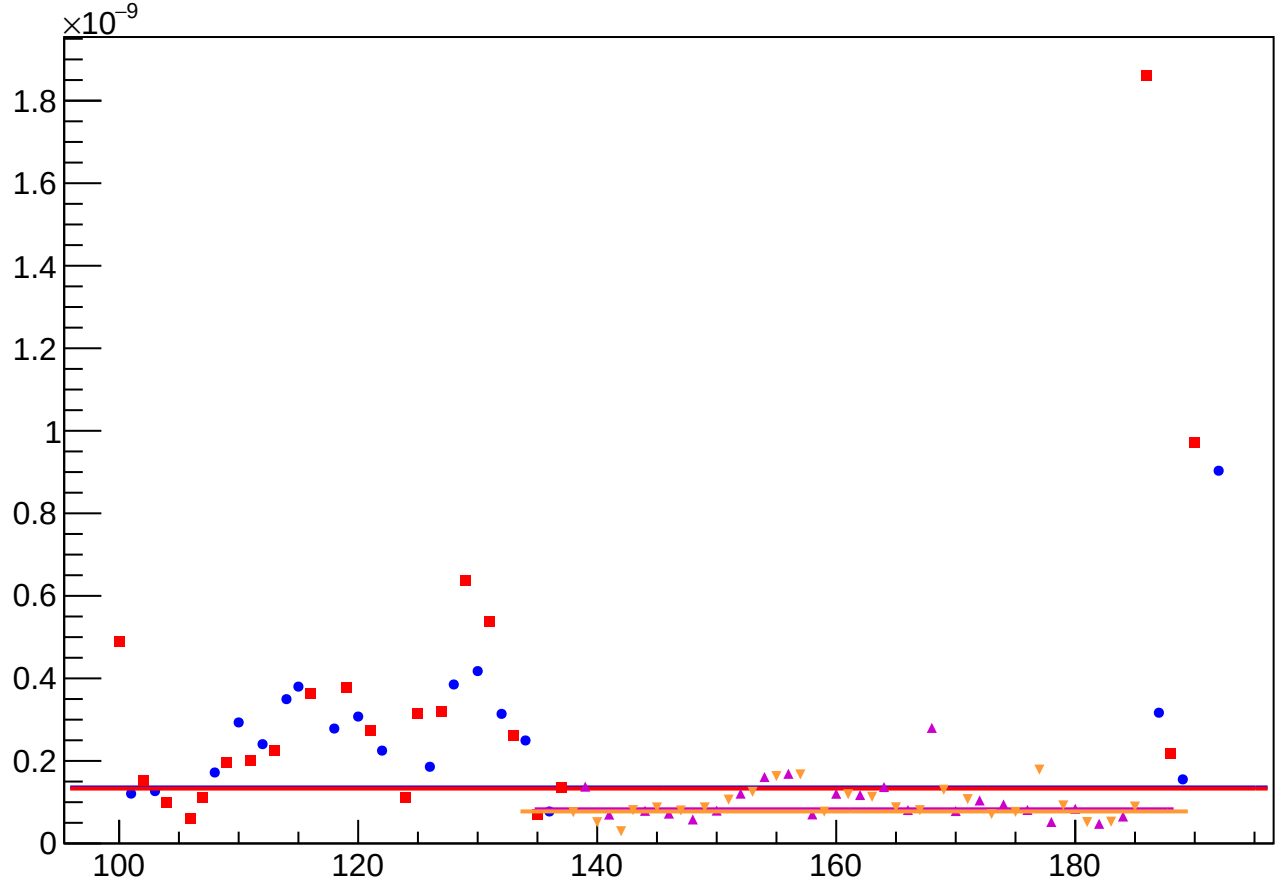
Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.8/43

All: 0.000+/-0.000 χ^2/NDF: 89.6/88

- sign 0.000+/-0.000 χ^2/NDF: 51.0/44

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2135884.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2537938.6/21

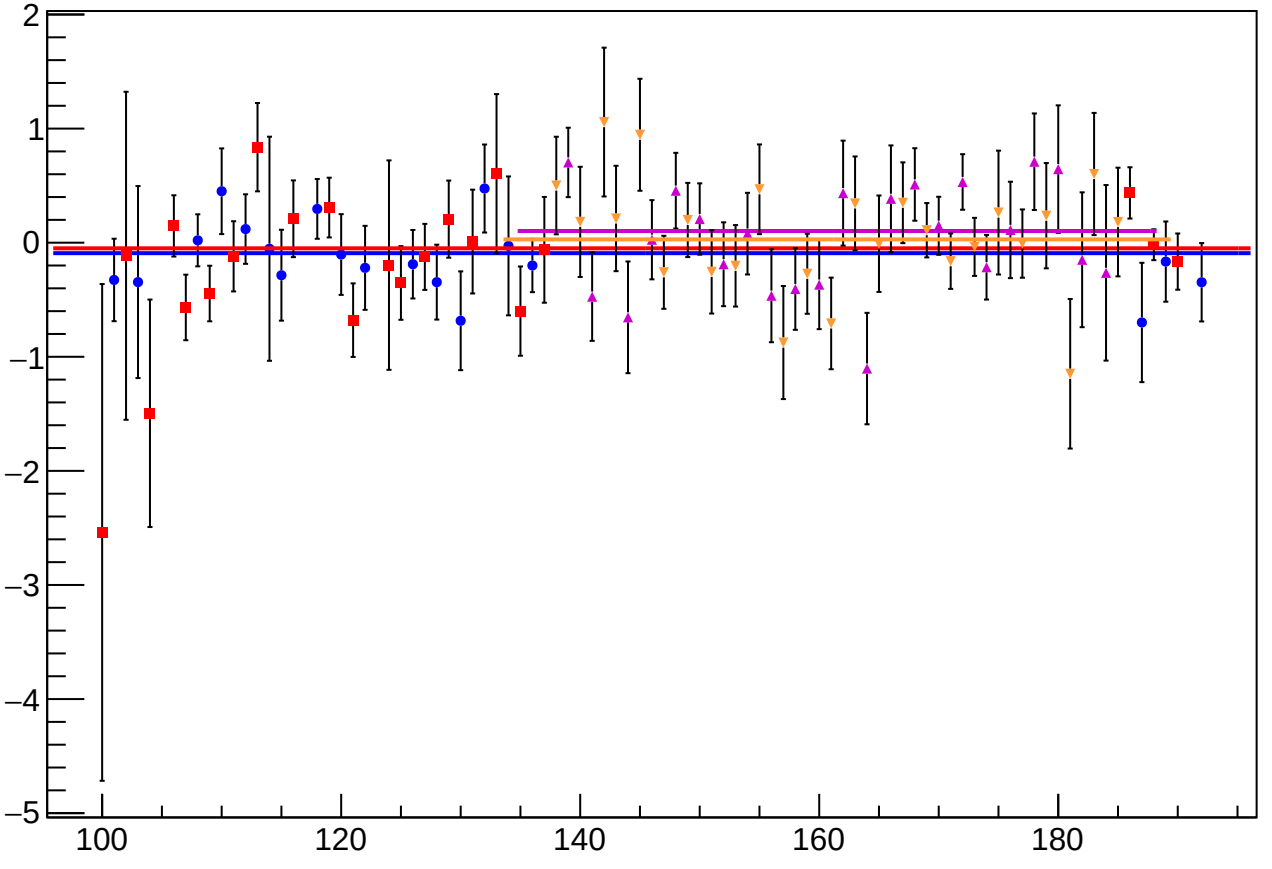
Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 4603993.6/43

All: 0.000+/-0.000 χ^2/NDF: 9286743.8/88

- sign 0.000+/-0.000 χ^2/NDF: 4660817.0/44

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



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

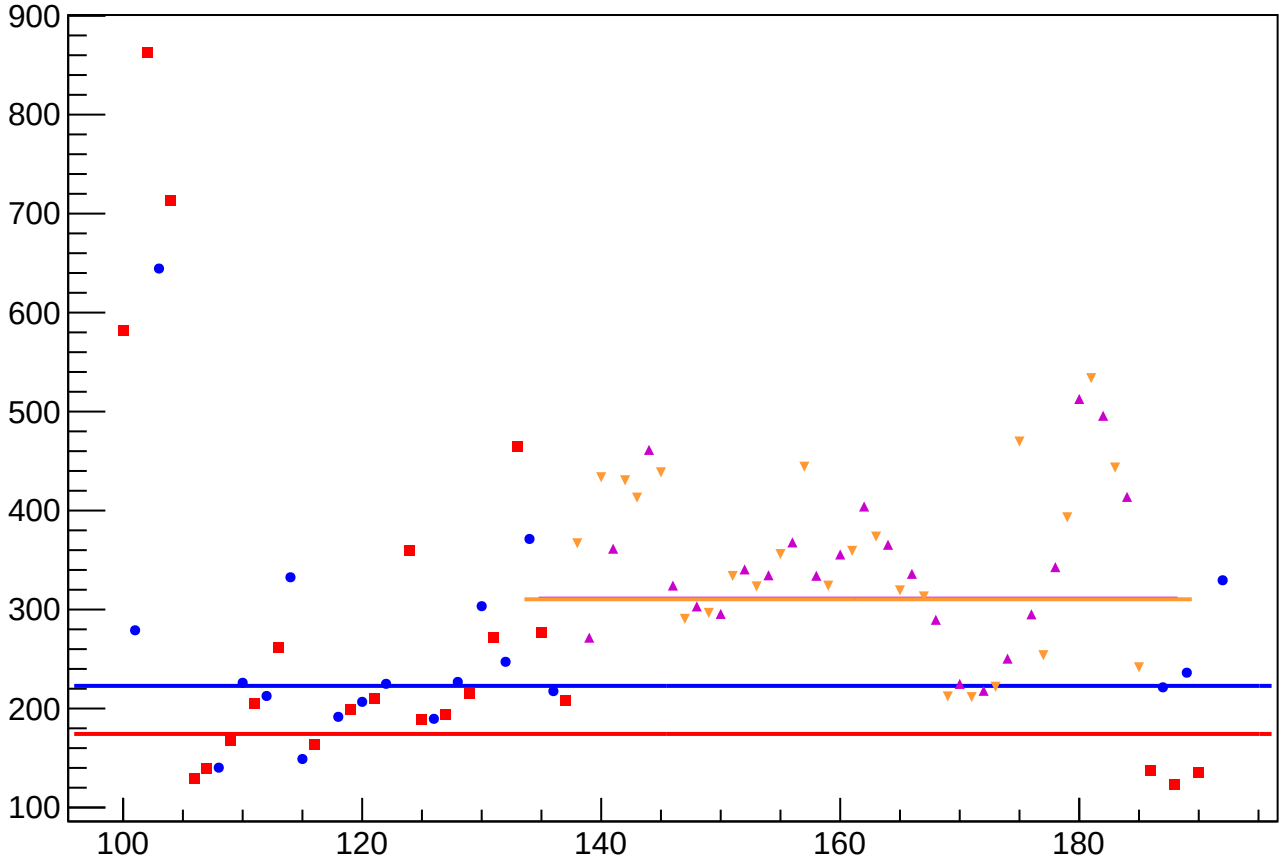
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.028+/-0.055 χ^2/NDF: 39.3/43

All: -0.004+/-0.037 χ^2/NDF: 105.0/88

- sign 0.015+/-0.050 χ^2/NDF: 65.3/44

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 222.875+/-0.056 χ^2/NDF: 1359437.6/18

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

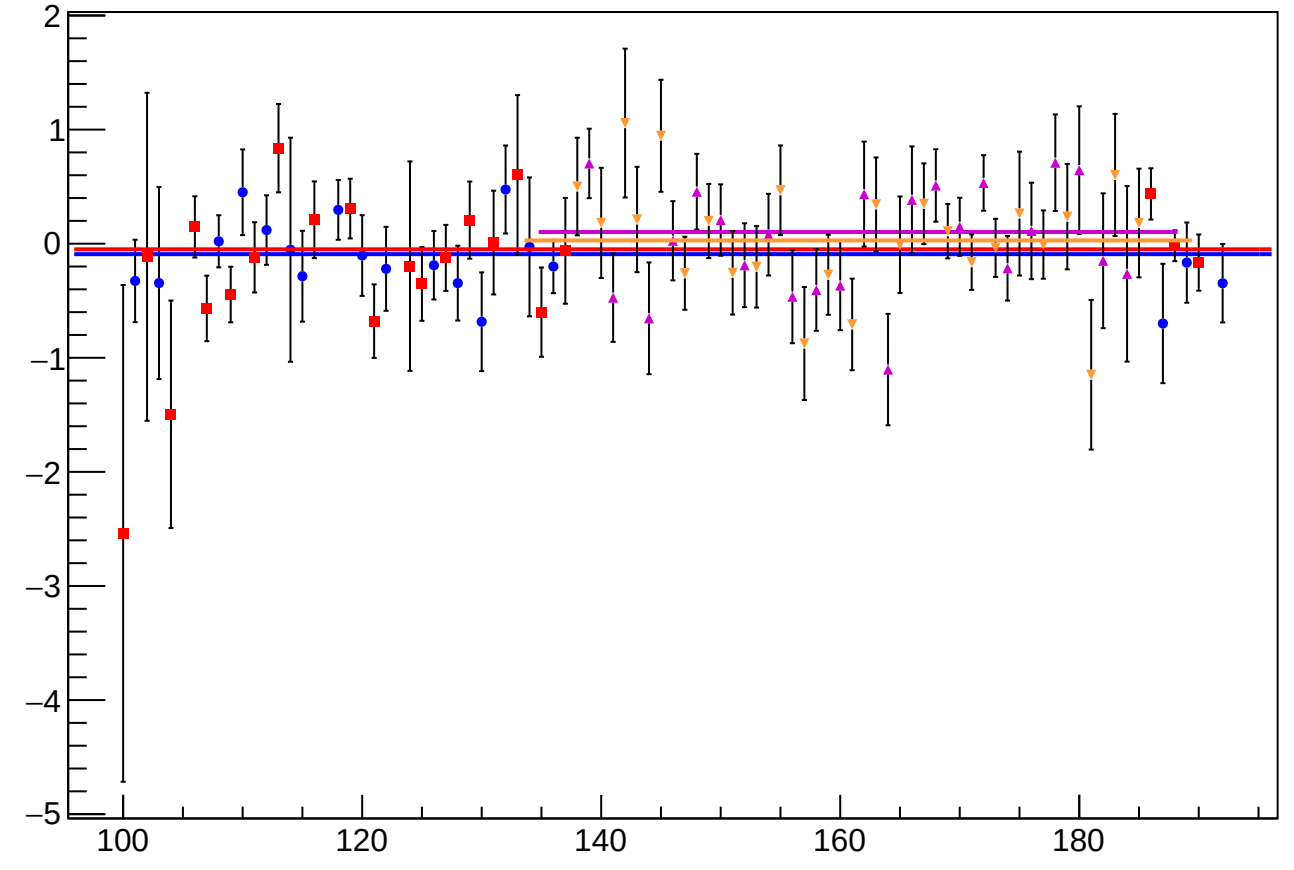
Right Out: 174.324+/-0.046 χ^2/NDF: 2467297.2/21

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 269.509+/-0.039 χ^2/NDF: 5004524.4/43

All: 248.980+/-0.026 χ^2/NDF: 13300141.2/88

- sign 232.020+/-0.035 χ^2/NDF: 7777695.4/44



Right In: -0.092+/-0.080 χ^2/NDF: 12.8/18

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

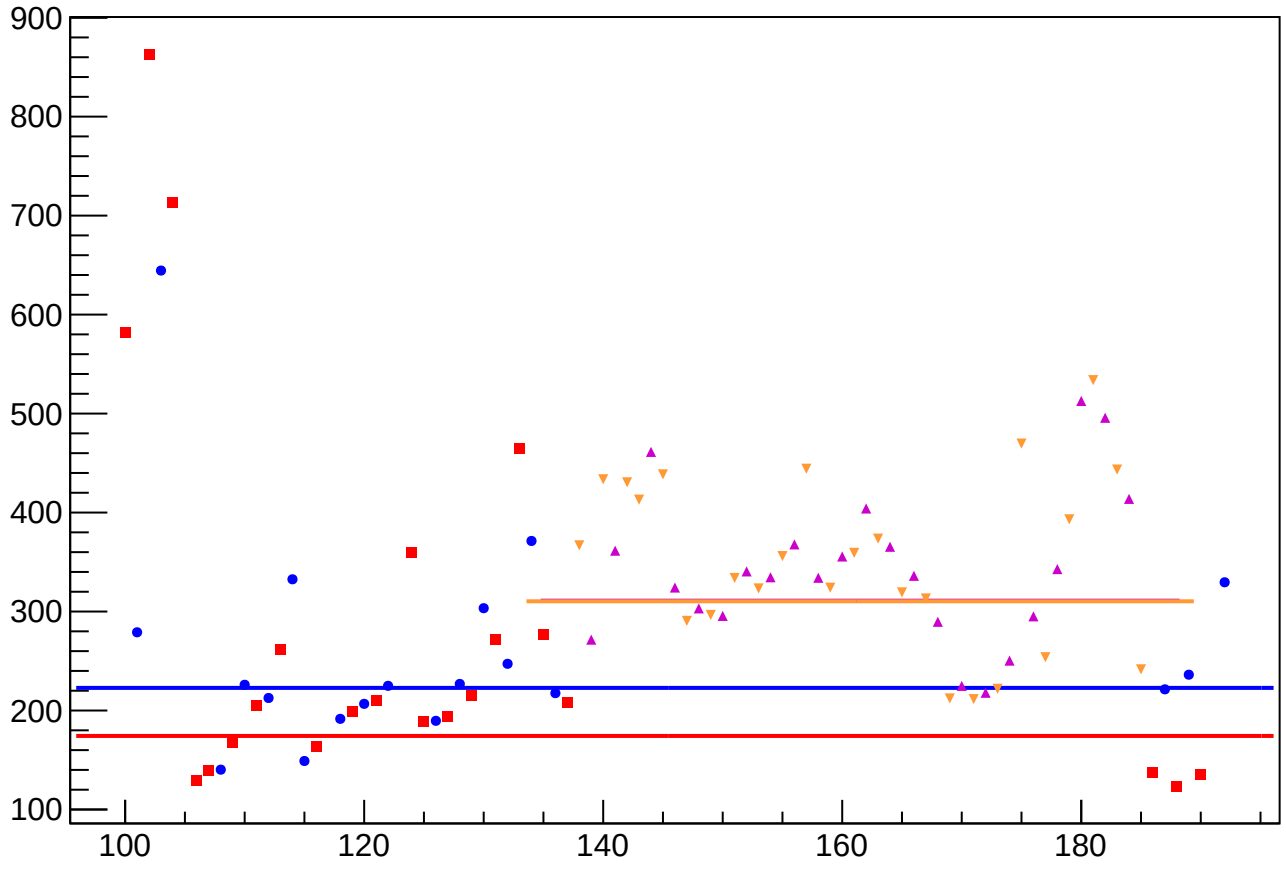
Right Out: -0.049+/-0.065 χ^2/NDF: 30.8/21

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.028+/-0.055 χ^2/NDF: 39.3/43

All: -0.004+/-0.037 χ^2/NDF: 105.0/88

- sign 0.015+/-0.050 χ^2/NDF: 65.3/44



Right In: 222.875+/-0.056 χ^2/NDF: 1359437.6/18

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

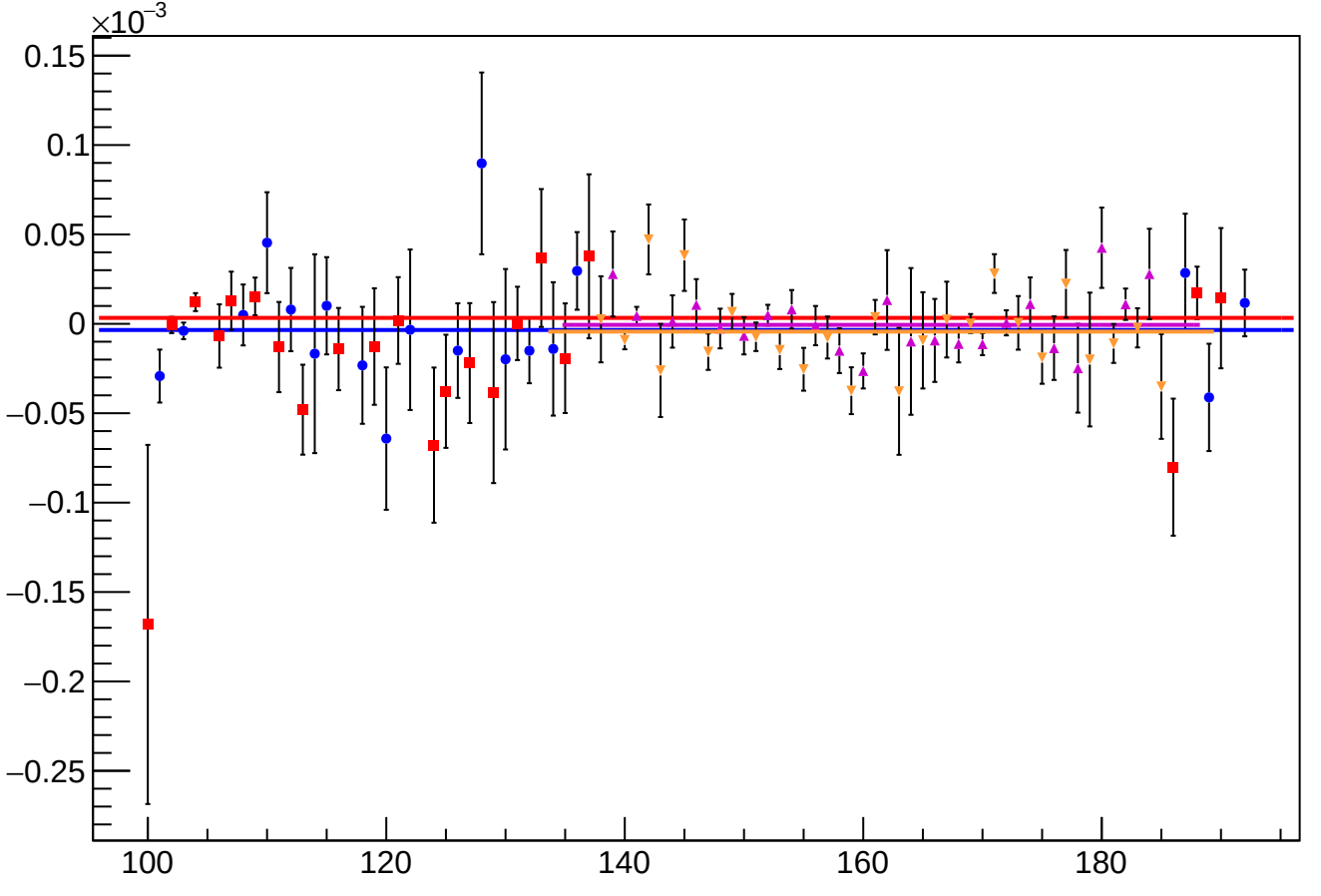
Right Out: 174.324+/-0.046 χ^2/NDF: 2467297.2/21

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

\+ sign 269.509+/-0.039 χ^2/NDF: 5004524.4/43

All: 248.980+/-0.026 χ^2/NDF: 13300141.2/88

\- sign 232.020+/-0.035 χ^2/NDF: 7777695.4/44



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

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

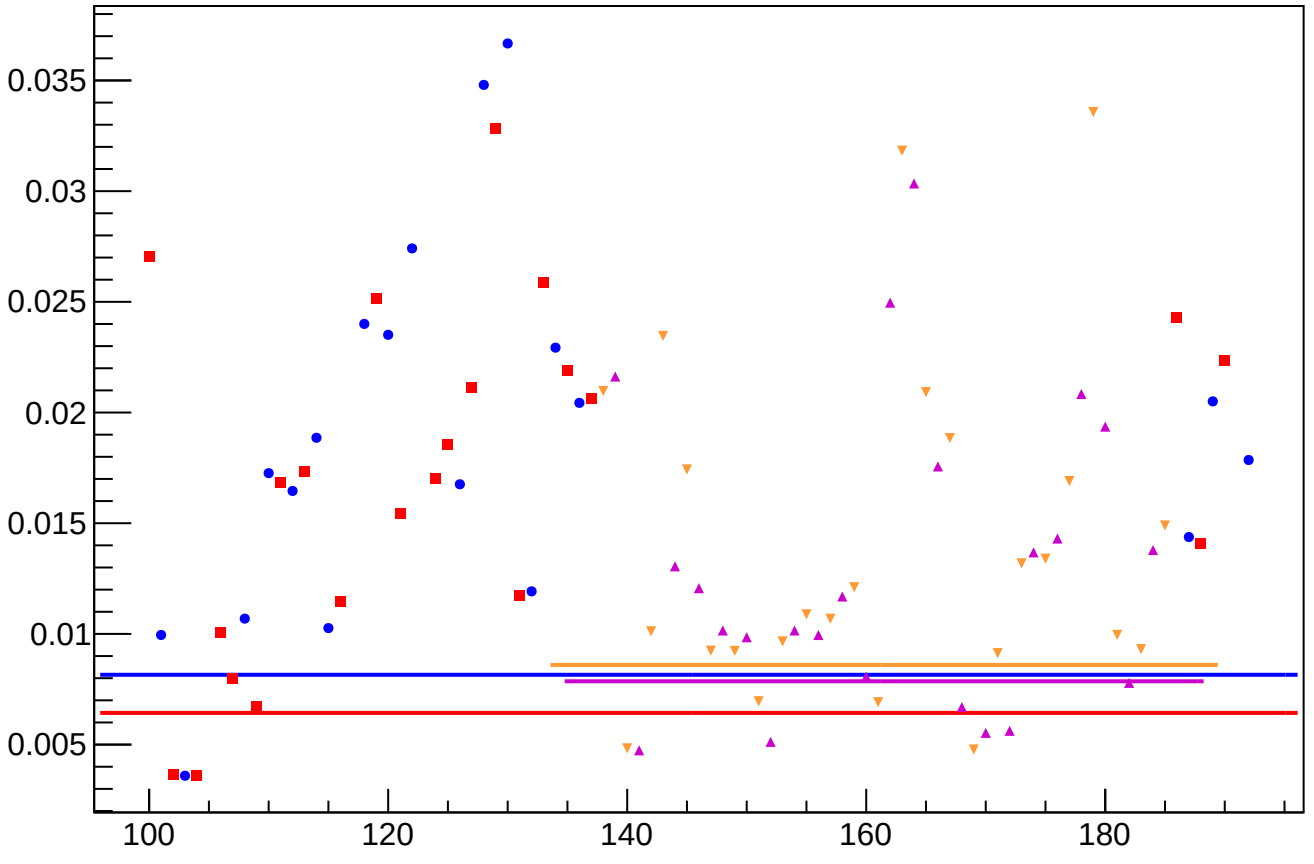
Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/21

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.5/43

All: -0.000+/-0.000 χ^2/NDF: 120.3/88

- sign 0.000+/-0.000 χ^2/NDF: 55.1/44



Right In: 0.008+/-0.000 χ^2/NDF: 7091011.3/18

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

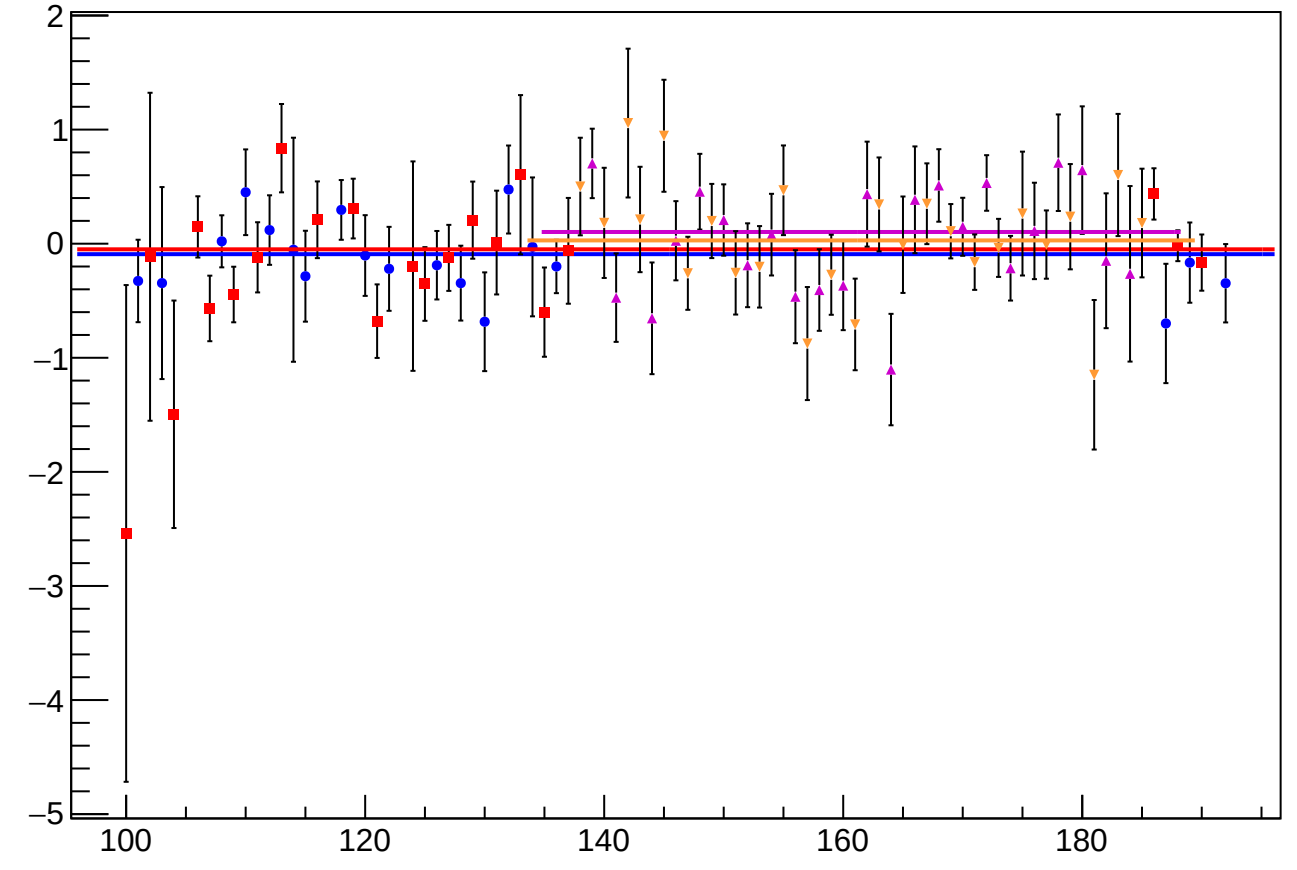
Right Out: 0.006+/-0.000 χ^2/NDF: 7294743.3/21

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 14766037.0/43

All: 0.008+/-0.000 χ^2/NDF: 29558086.2/88

- sign 0.007+/-0.000 χ^2/NDF: 14397814.4/44



Right In: -0.092+/-0.080 χ^2/NDF: 12.8/18

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

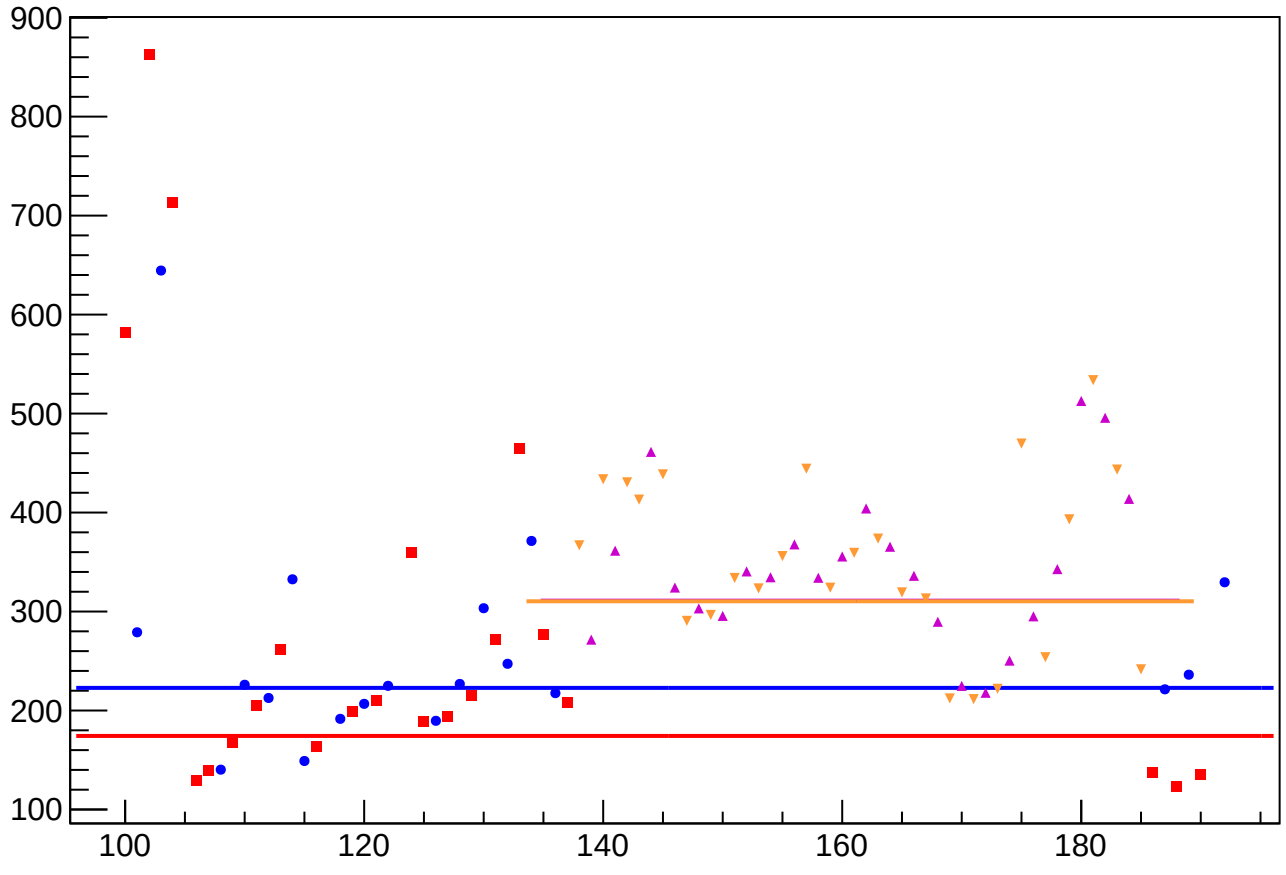
Right Out: -0.049+/-0.065 χ^2/NDF: 30.8/21

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.028+/-0.055 χ^2/NDF: 39.4/43

All: -0.004+/-0.037 χ^2/NDF: 105.0/88

- sign 0.015+/-0.050 χ^2/NDF: 65.3/44



Right In: 222.874+/-0.056 χ^2/NDF: 1359411.3/18

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

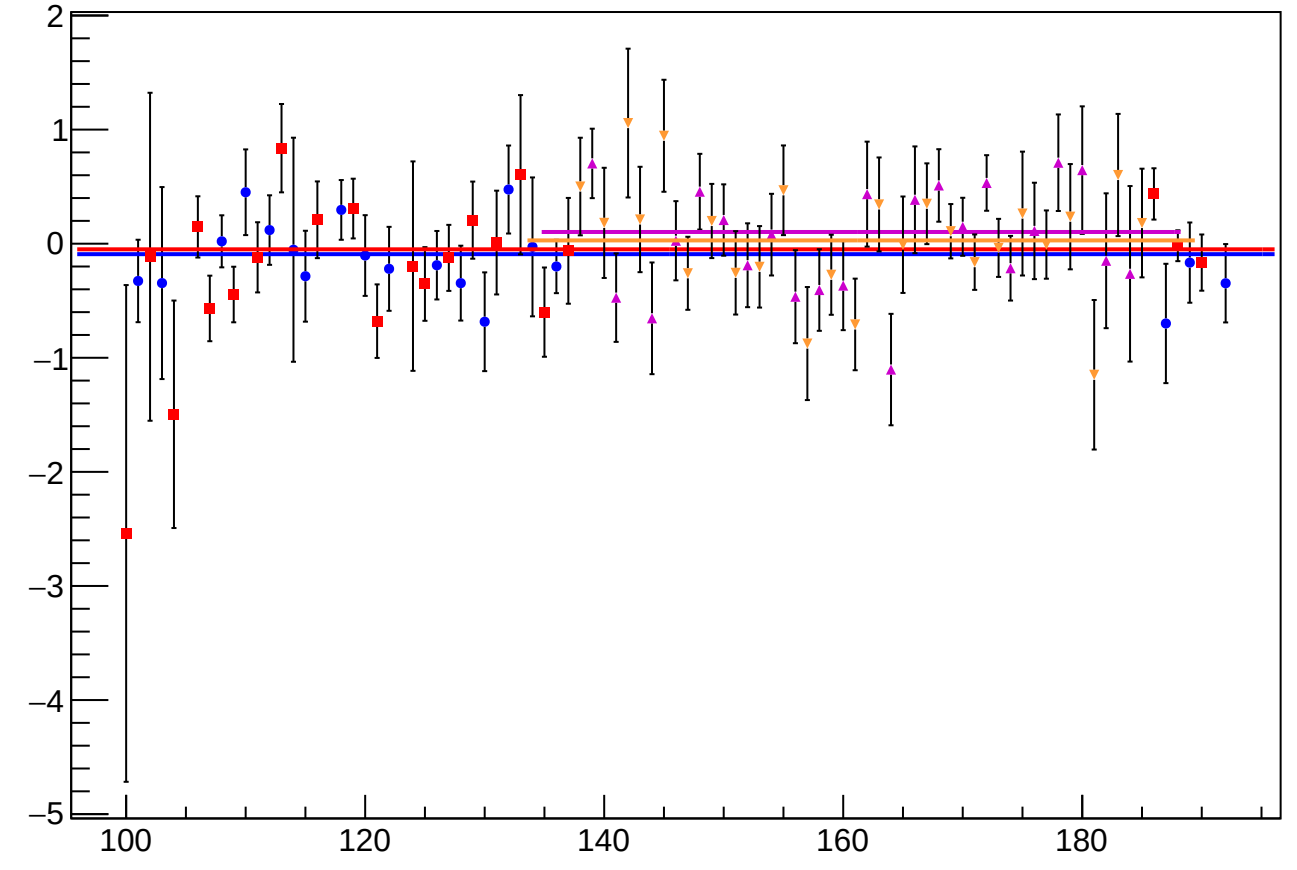
Right Out: 174.321+/-0.046 χ^2/NDF: 2467337.3/21

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 269.510+/-0.039 χ^2/NDF: 5004680.5/43

All: 248.979+/-0.026 χ^2/NDF: 13300763.8/88

- sign 232.019+/-0.035 χ^2/NDF: 7778097.0/44



Right In: -0.092+/-0.080 χ^2/NDF: 12.8/18

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

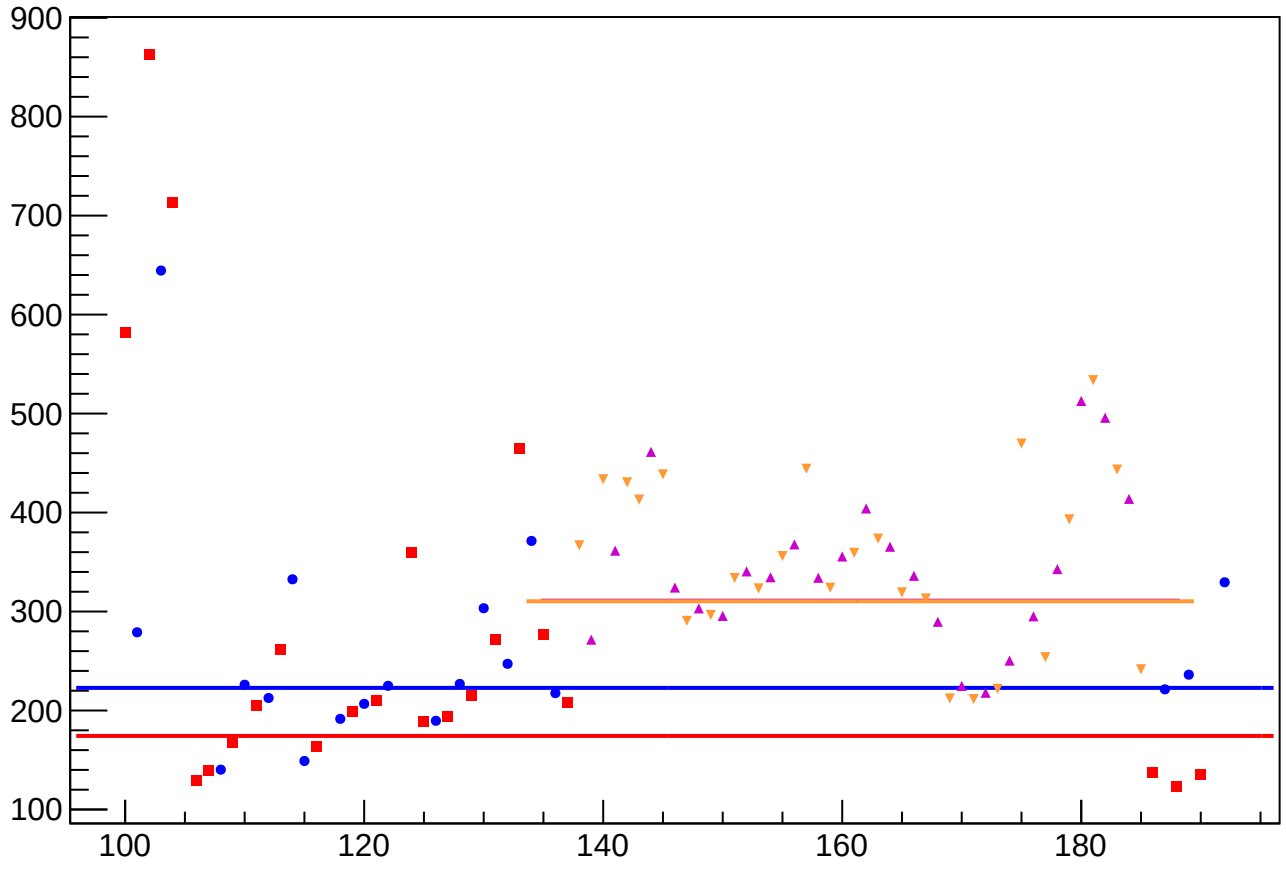
Right Out: -0.049+/-0.065 χ^2/NDF: 30.8/21

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.028+/-0.055 χ^2/NDF: 39.4/43

All: -0.004+/-0.037 χ^2/NDF: 105.0/88

- sign 0.015+/-0.050 χ^2/NDF: 65.3/44



Right In: 222.874+/-0.056 χ^2/NDF: 1359411.3/18

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

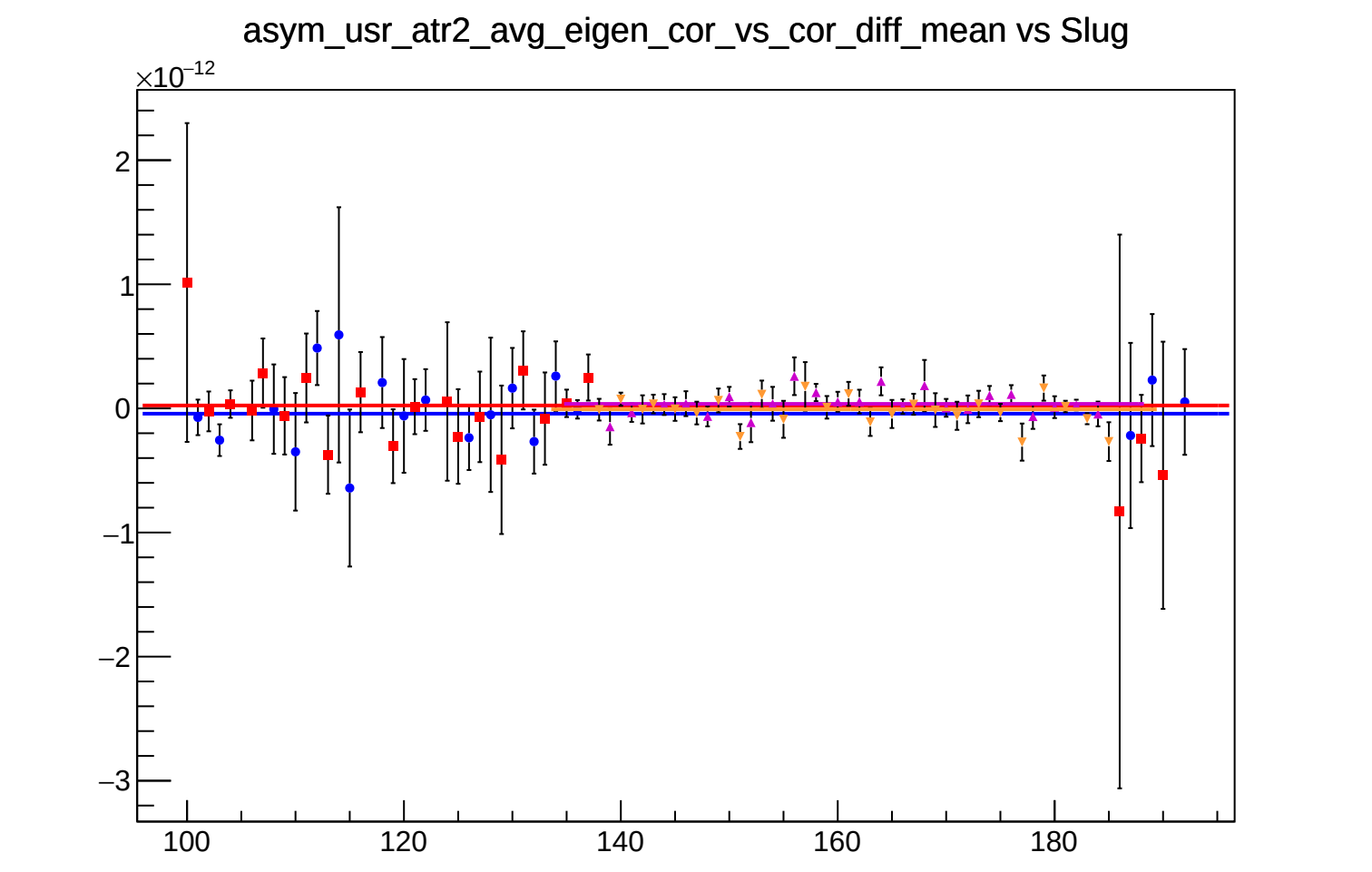
Right Out: 174.321+/-0.046 χ^2/NDF: 2467337.3/21

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 269.510+/-0.039 χ^2/NDF: 5004680.5/43

All: 248.979+/-0.026 χ^2/NDF: 13300763.8/88

- sign 232.019+/-0.035 χ^2/NDF: 7778097.0/44



Right In: -0.000+/-0.000 χ^2/NDF: 11.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

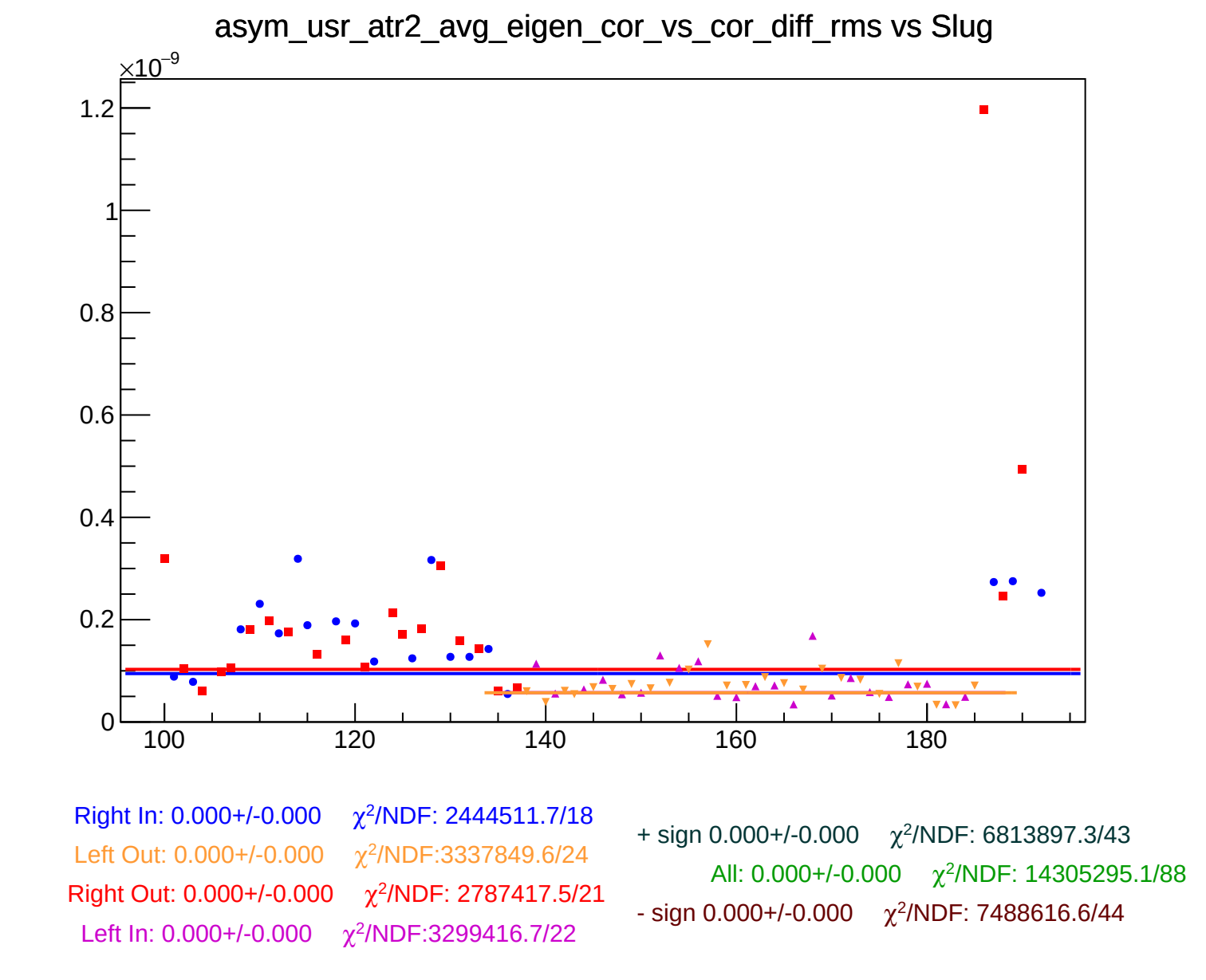
Right Out: 0.000+/-0.000 χ^2/NDF: 9.4/21

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

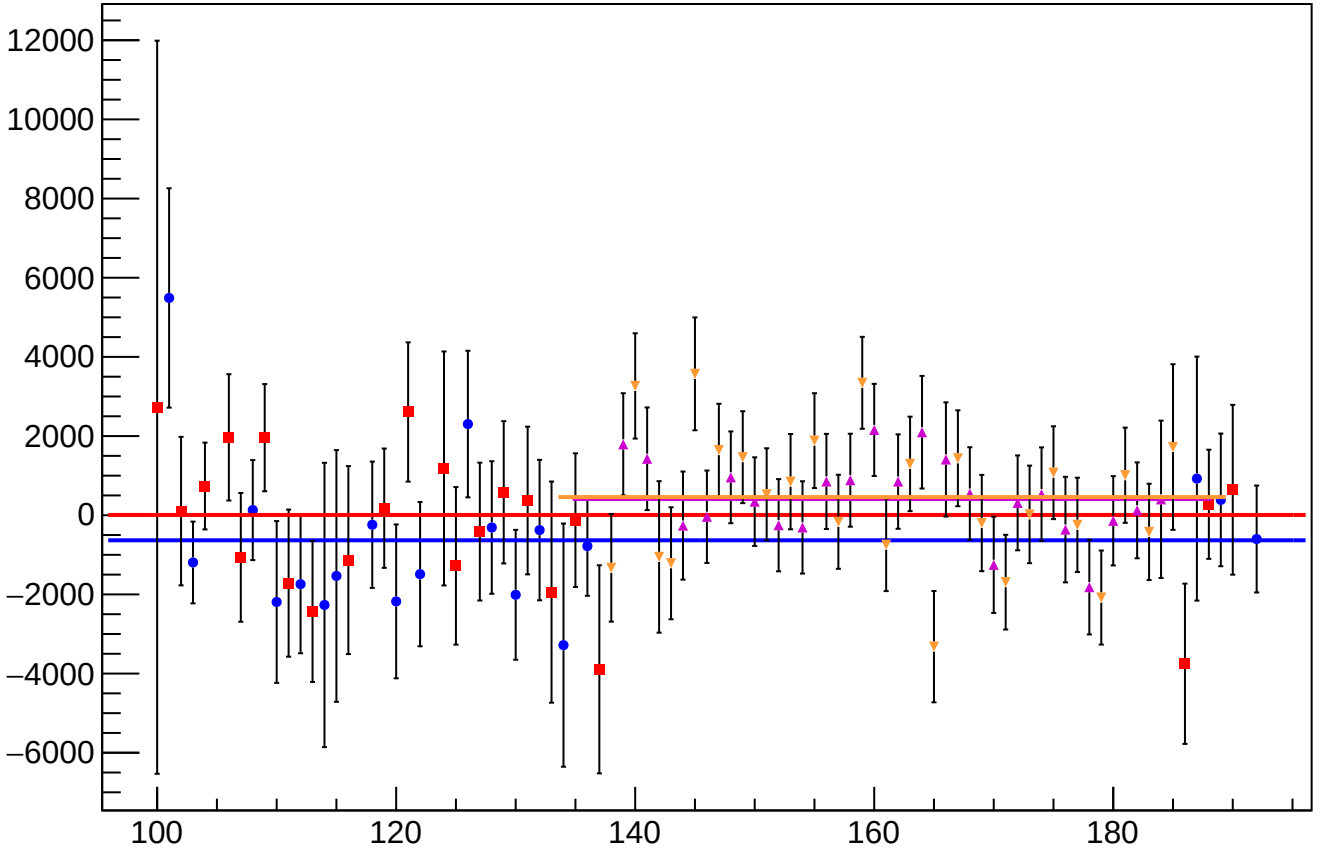
+ sign -0.000+/-0.000 χ^2/NDF: 38.1/43

All: 0.000+/-0.000 χ^2/NDF: 68.3/88

- sign 0.000+/-0.000 χ^2/NDF: 26.2/44


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×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: 2444511.7/18
Left Out: 0.000+/-0.000 χ²/NDF:3337849.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 2787417.5/21
Left In: 0.000+/-0.000 χ²/NDF:3299416.7/22
+ sign 0.000+/-0.000 χ²/NDF: 6813897.3/43
All: 0.000+/-0.000 χ²/NDF: 14305295.1/88
- sign 0.000+/-0.000 χ²/NDF: 7488616.6/44

reg_asym_usr_atr2_dd_mean vs Slug



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

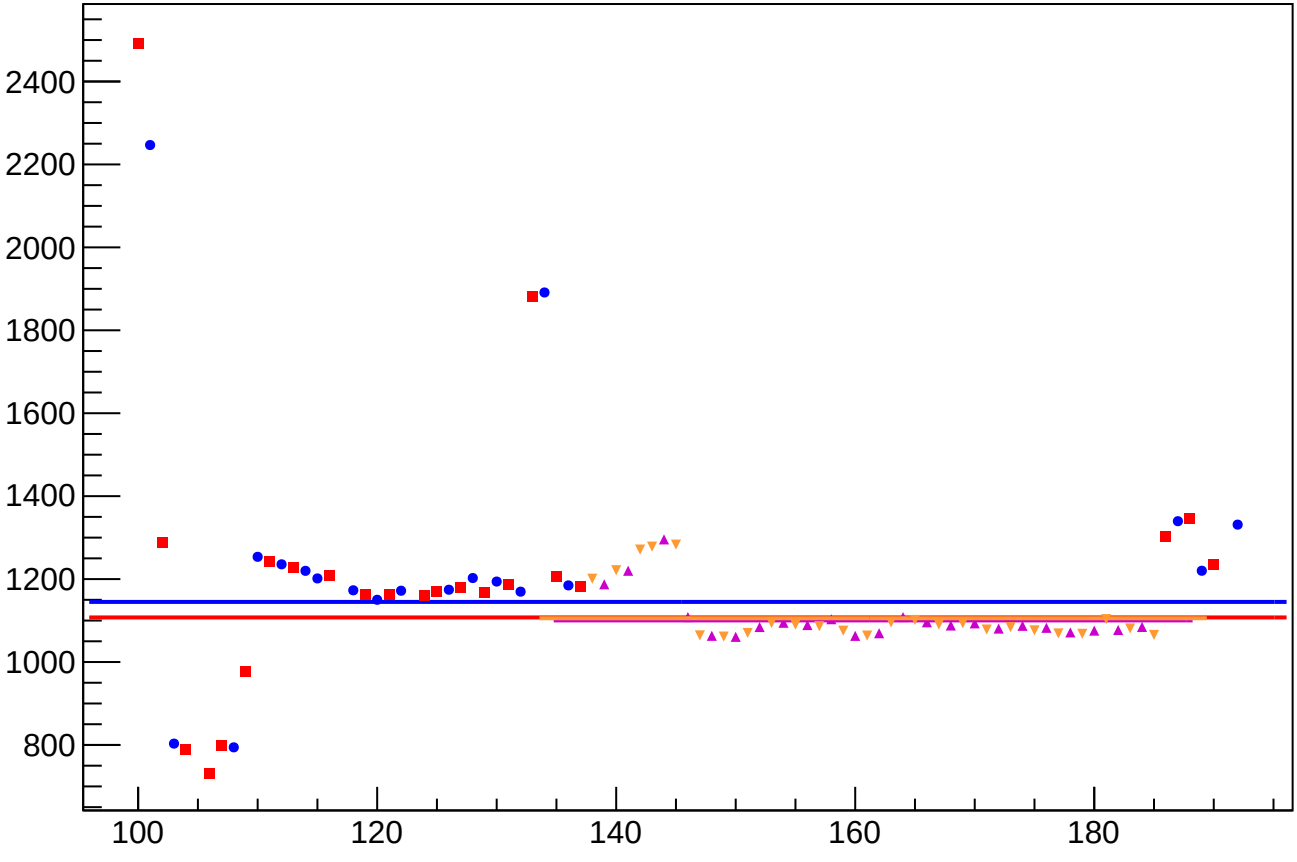
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 141.131+/-211.814 χ^2/NDF: 59.9/43

All: 212.463+/-150.244 χ^2/NDF: 91.4/88

- sign 284.694+/-213.146 χ^2/NDF: 31.2/44

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1144.968+/-0.278 χ^2/NDF: 878055.8/18

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1107.508+/-0.267 χ^2/NDF: 748076.6/21

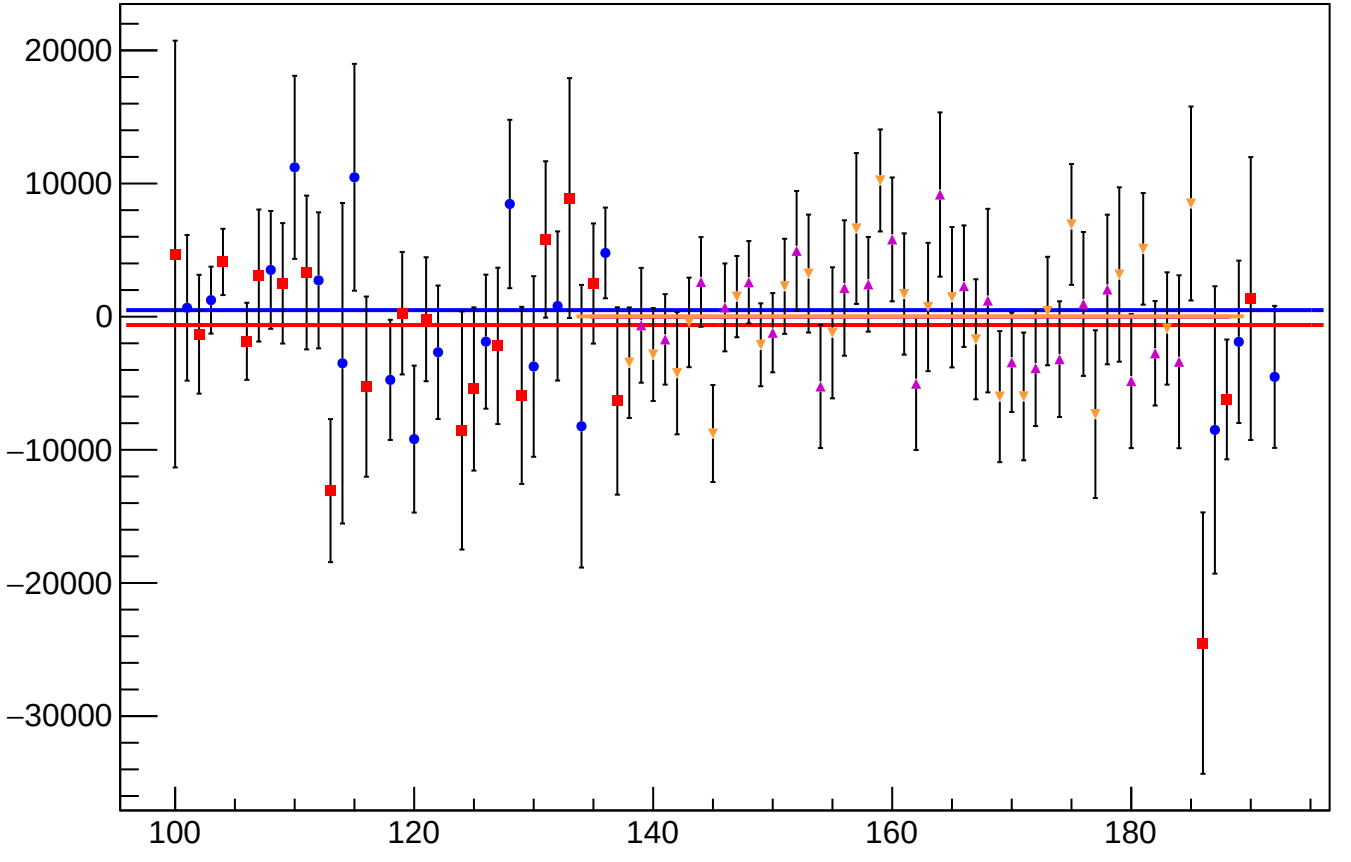
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1117.016+/-0.150 χ^2/NDF: 1014294.2/43

All: 1109.844+/-0.106 χ^2/NDF: 1847705.9/88

- sign 1102.614+/-0.150 χ^2/NDF: 828807.1/44

asym_usr_atr2_dd_reg_correction_mean vs Slug



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

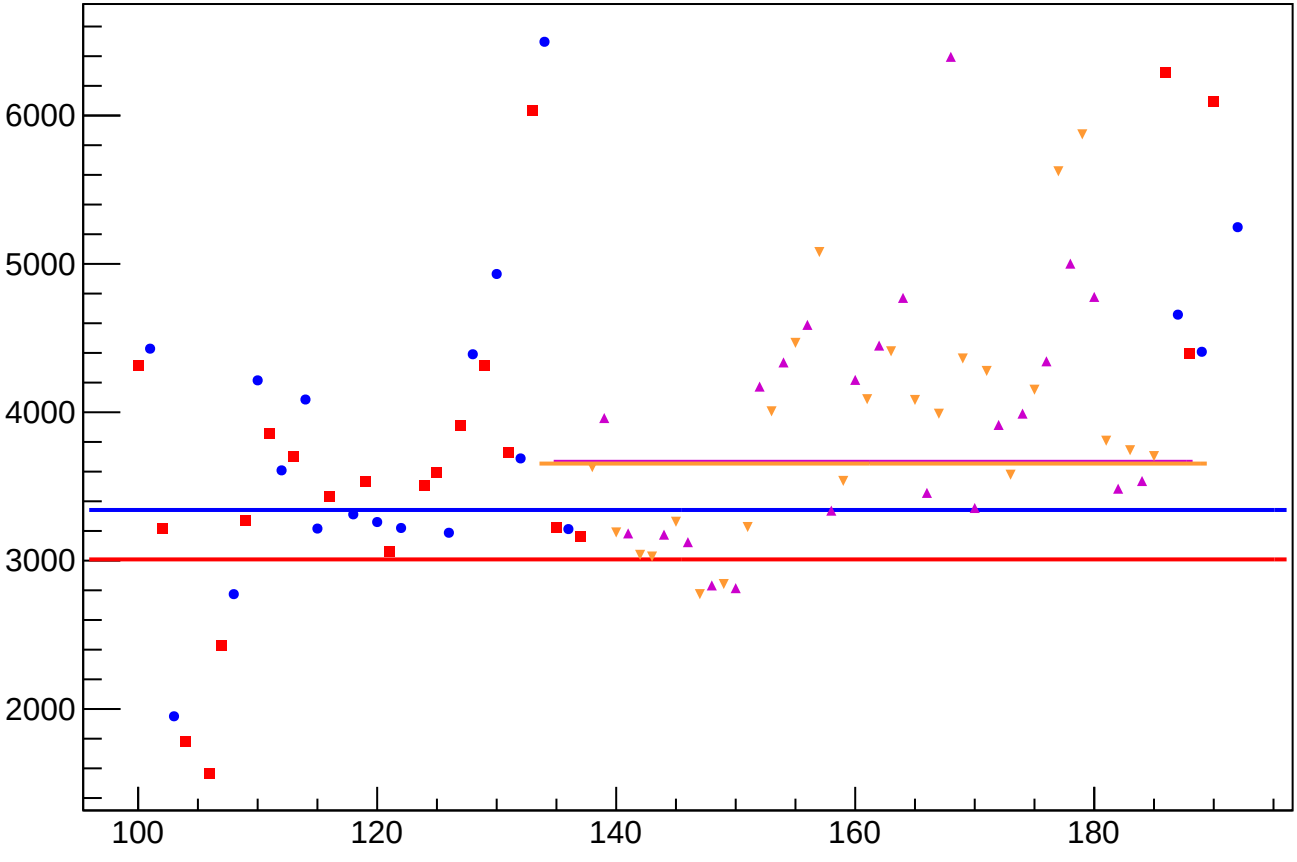
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 184.848+/-688.194 χ^2/NDF: 44.3/43

All: -38.467+/-482.725 χ^2/NDF: 83.1/88

- sign -254.761+/-677.289 χ^2/NDF: 38.6/44

asym_usr_atr2_dd_reg_correction_rms vs Slug



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

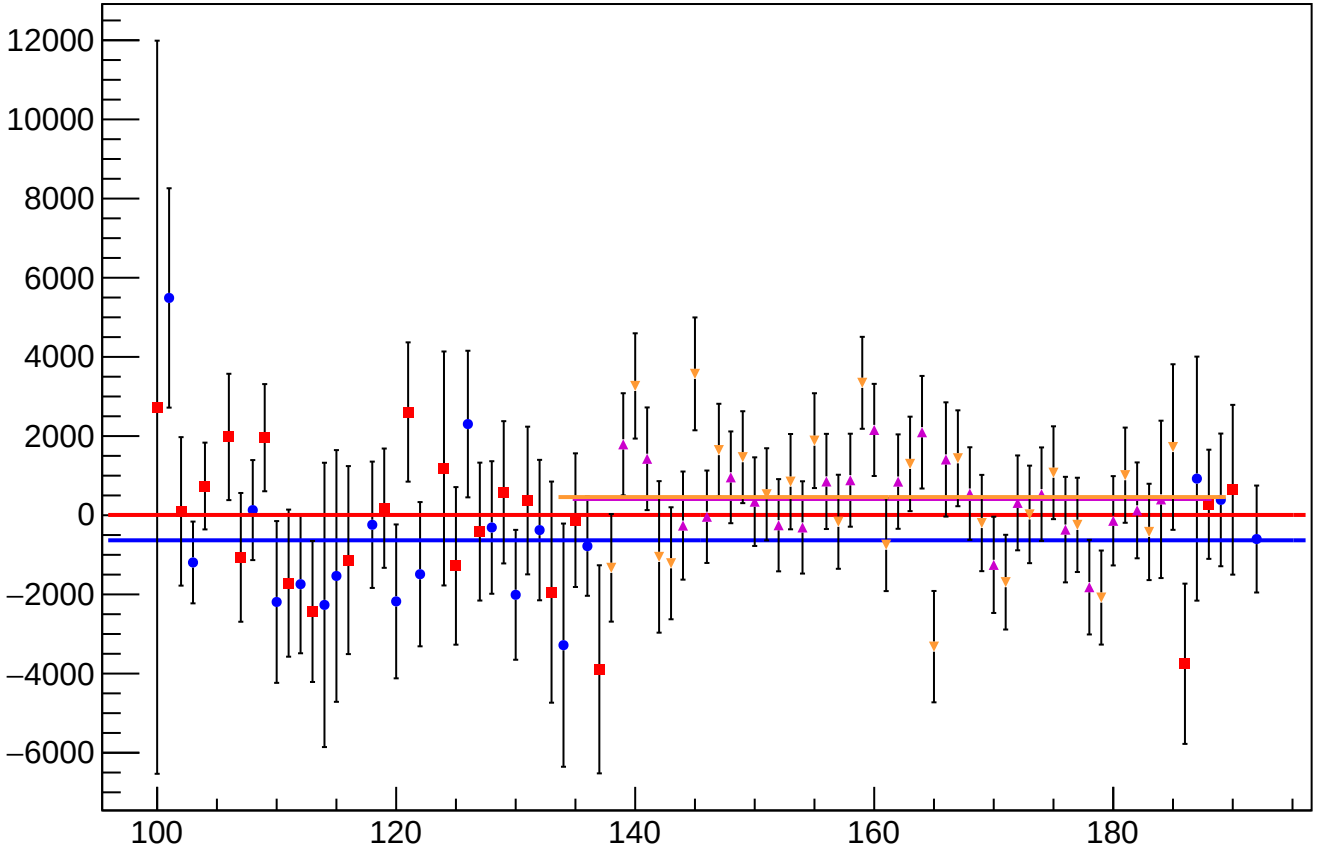
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

\+ sign 3546.270+/-0.487 χ^2/NDF: 2877948.2/43

All: 3473.086+/-0.341 χ^2/NDF: 6855132.4/88

\- sign 3402.203+/-0.479 χ^2/NDF: 3932660.8/44

cor_asym_usr_atr2_dd_mean vs Slug



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

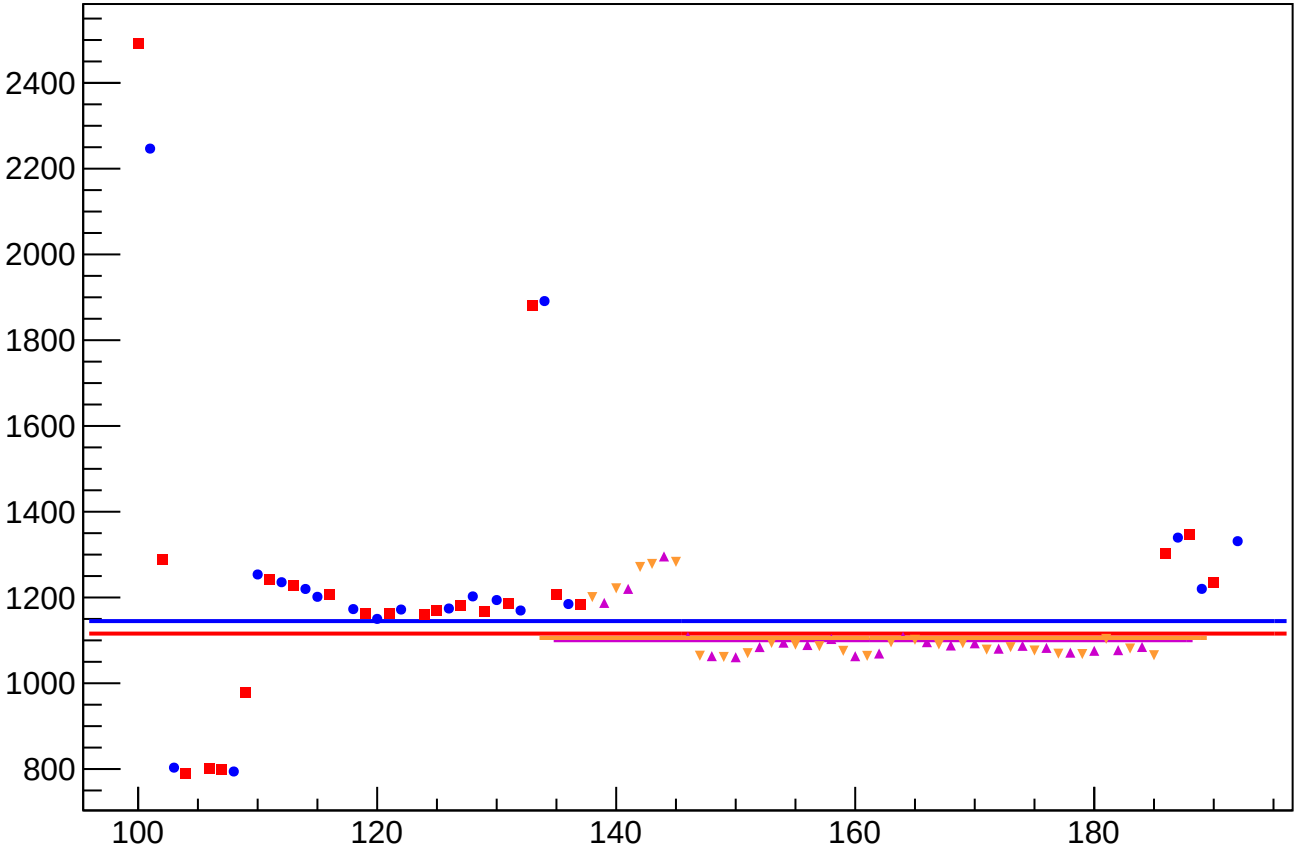
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 141.184+/-211.815 χ^2/NDF: 59.9/43

All: 212.494+/-150.244 χ^2/NDF: 91.4/88

- sign 284.703+/-213.146 χ^2/NDF: 31.2/44

cor_asym_usr_atr2_dd_rms vs Slug



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

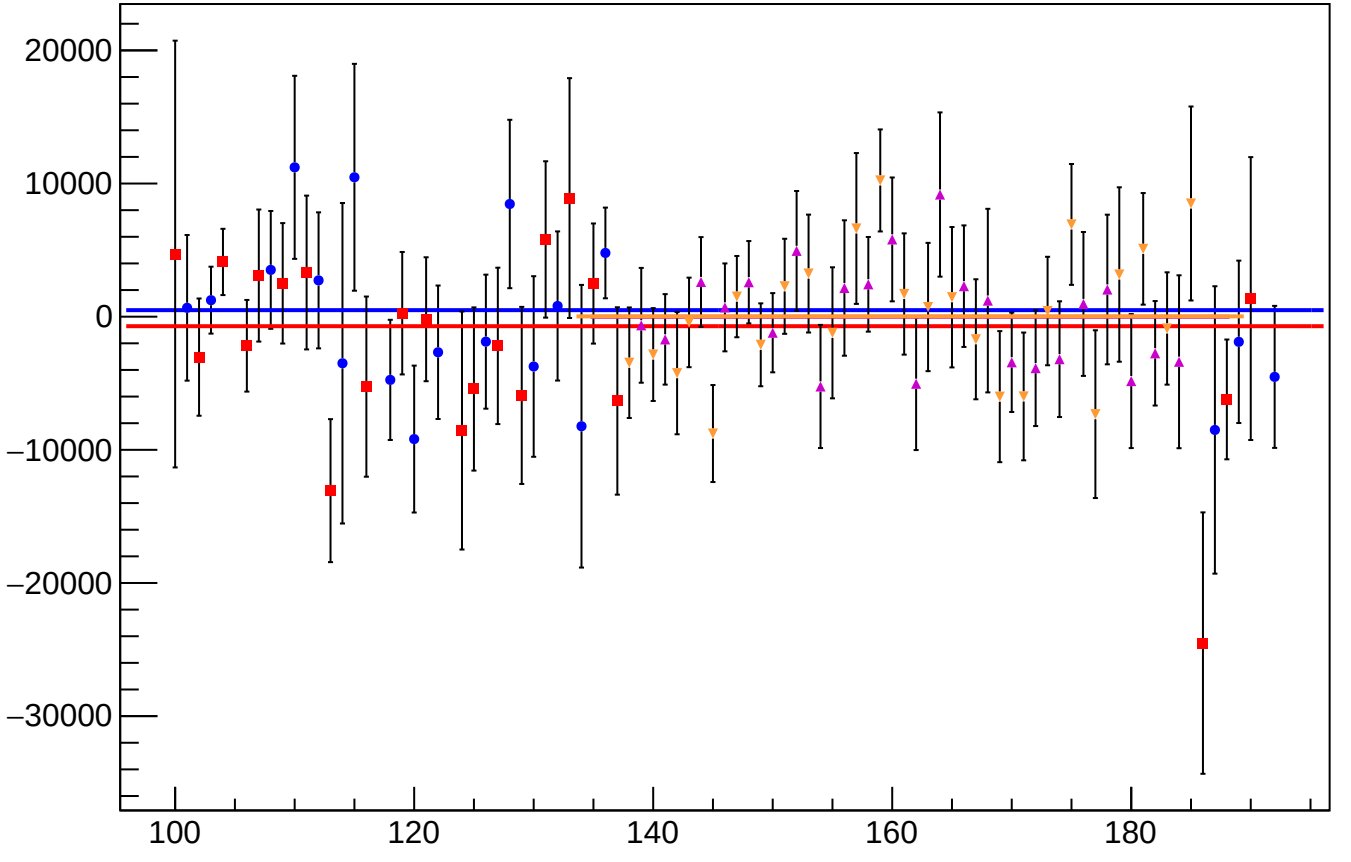
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1117.016+/-0.150 χ^2/NDF: 1014290.8/43

All: 1111.146+/-0.106 χ^2/NDF: 1786034.0/88

- sign 1105.208+/-0.151 χ^2/NDF: 768653.4/44

asym_usr_atr2_dd_cor_correction_mean vs Slug



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

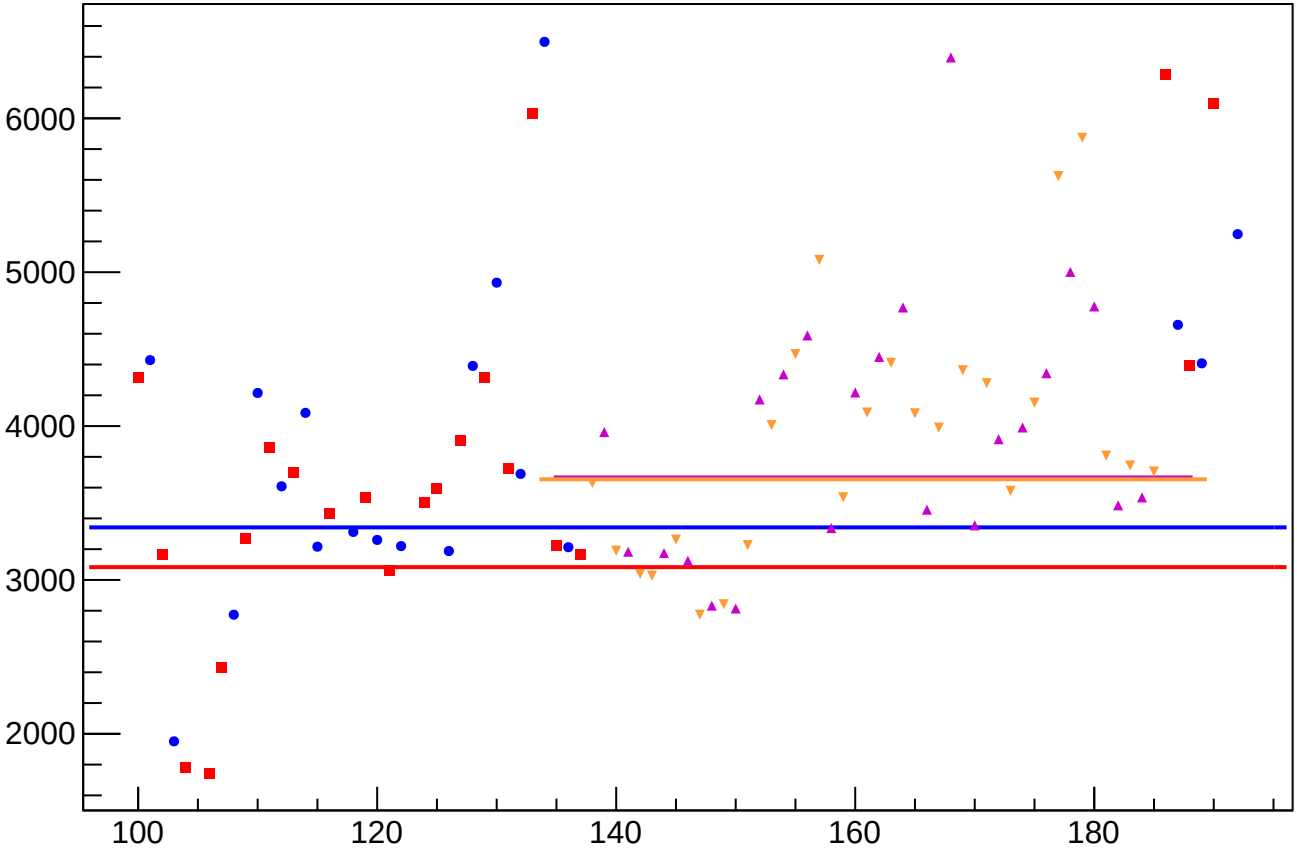
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 184.667+/-688.203 χ^2/NDF: 44.3/43

All: -51.599+/-484.631 χ^2/NDF: 83.5/88

- sign -284.016+/-682.575 χ^2/NDF: 39.0/44

asym_usr_atr2_dd_cor_correction_rms vs Slug



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

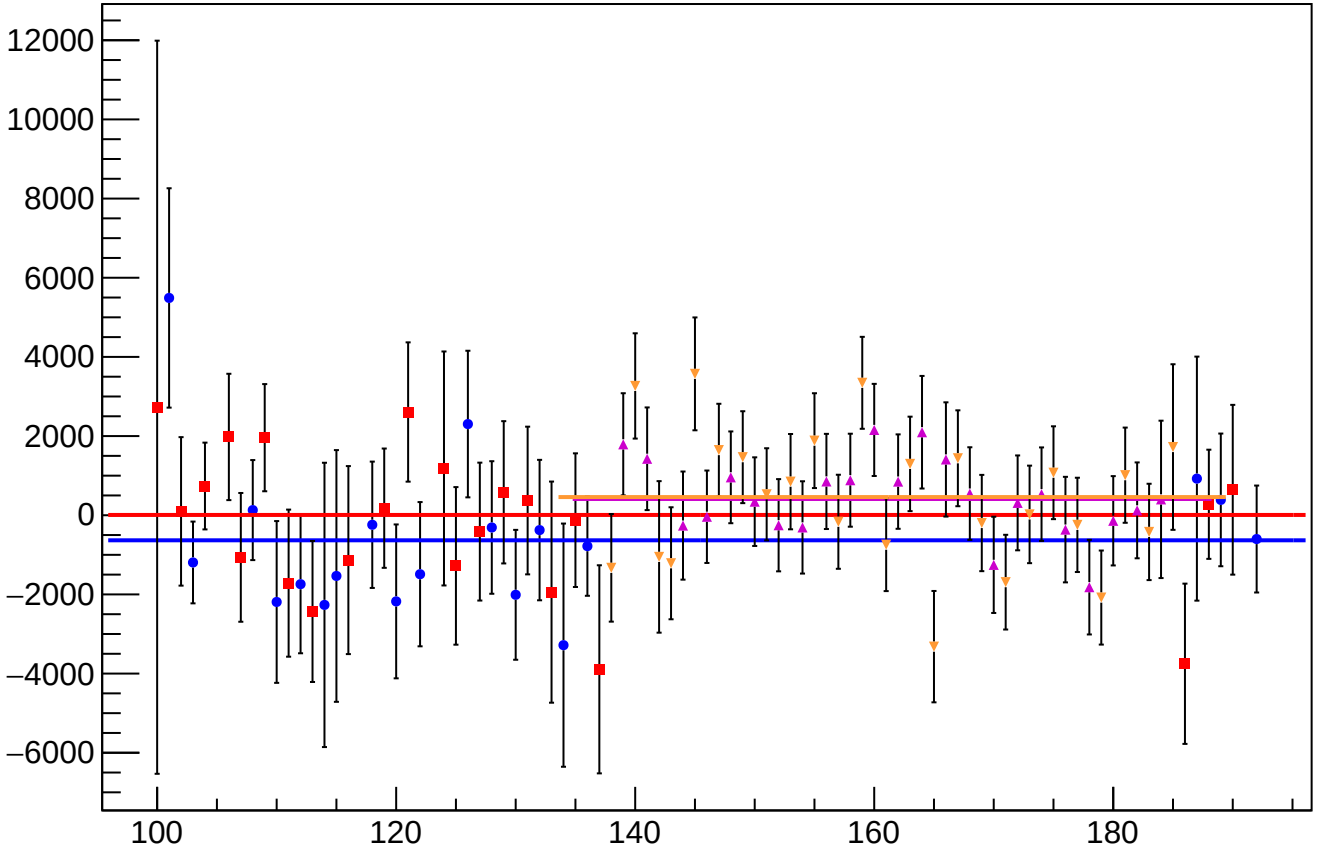
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3546.335+/-0.487 χ^2/NDF: 2877320.9/43

All: 3491.598+/-0.343 χ^2/NDF: 6491259.0/88

- sign 3437.753+/-0.483 χ^2/NDF: 3588840.4/44

eigen_cor_asym_usr_atr2_dd_mean vs Slug



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

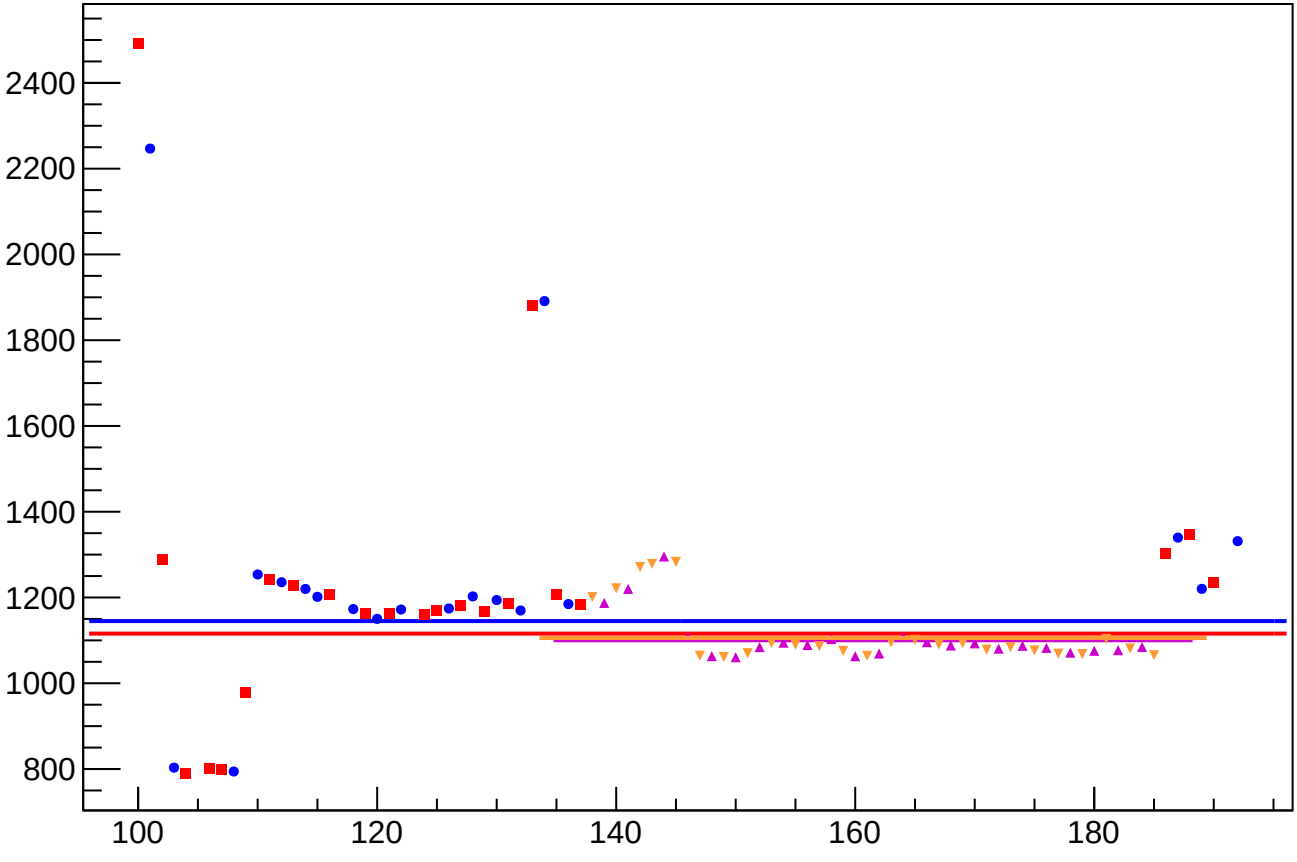
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 141.184+/-211.815 χ^2/NDF: 59.9/43

All: 212.494+/-150.244 χ^2/NDF: 91.4/88

- sign 284.703+/-213.146 χ^2/NDF: 31.2/44

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1144.968+/-0.278 χ^2/NDF: 878052.0/18

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

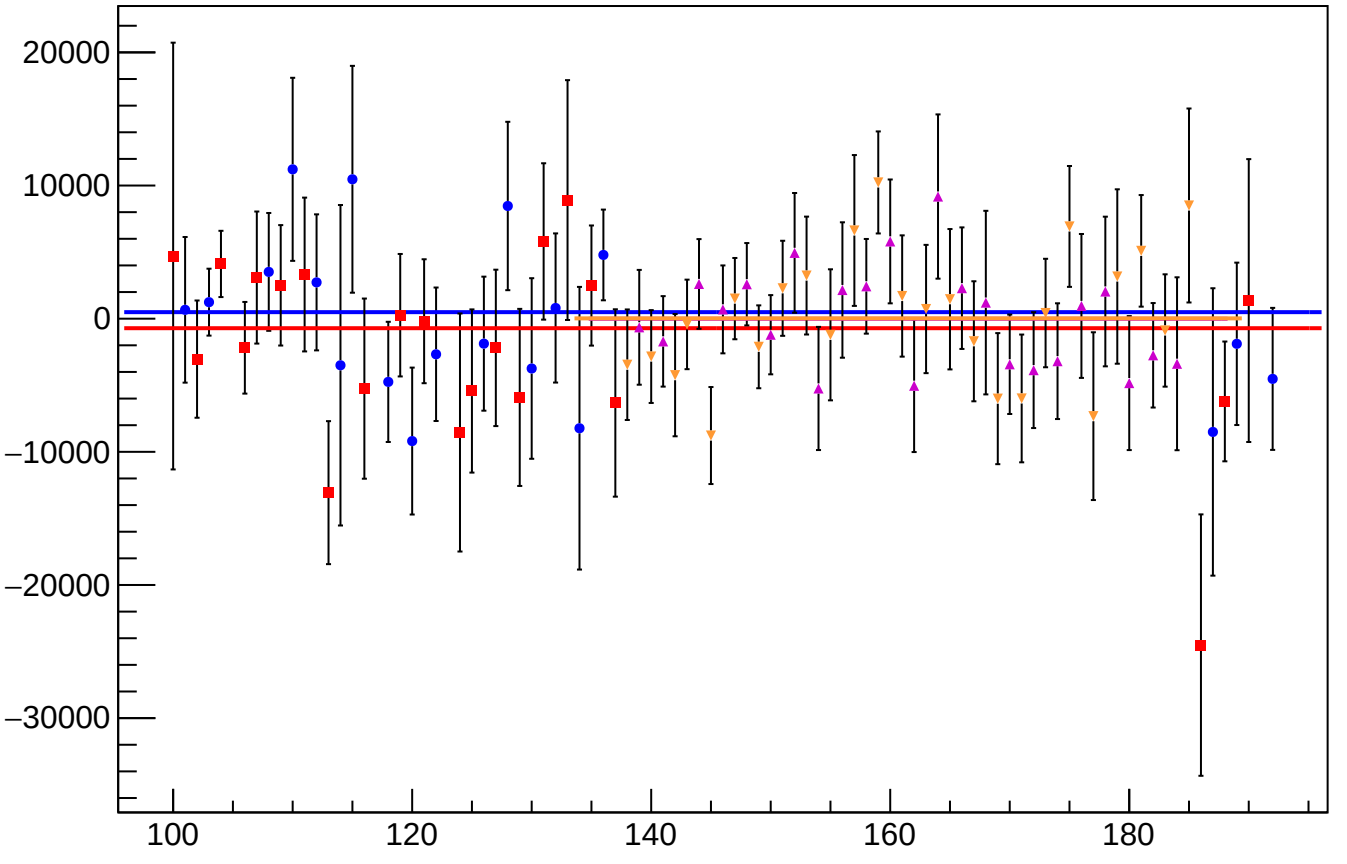
Right Out: 1115.825+/-0.269 χ^2/NDF: 686139.7/21

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1117.016+/-0.150 χ^2/NDF: 1014290.8/43

All: 1111.146+/-0.106 χ^2/NDF: 1786034.0/88

- sign 1105.208+/-0.151 χ^2/NDF: 768653.4/44



Right In: 490.788+/-1171.524 χ^2/NDF: 15.7/18

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

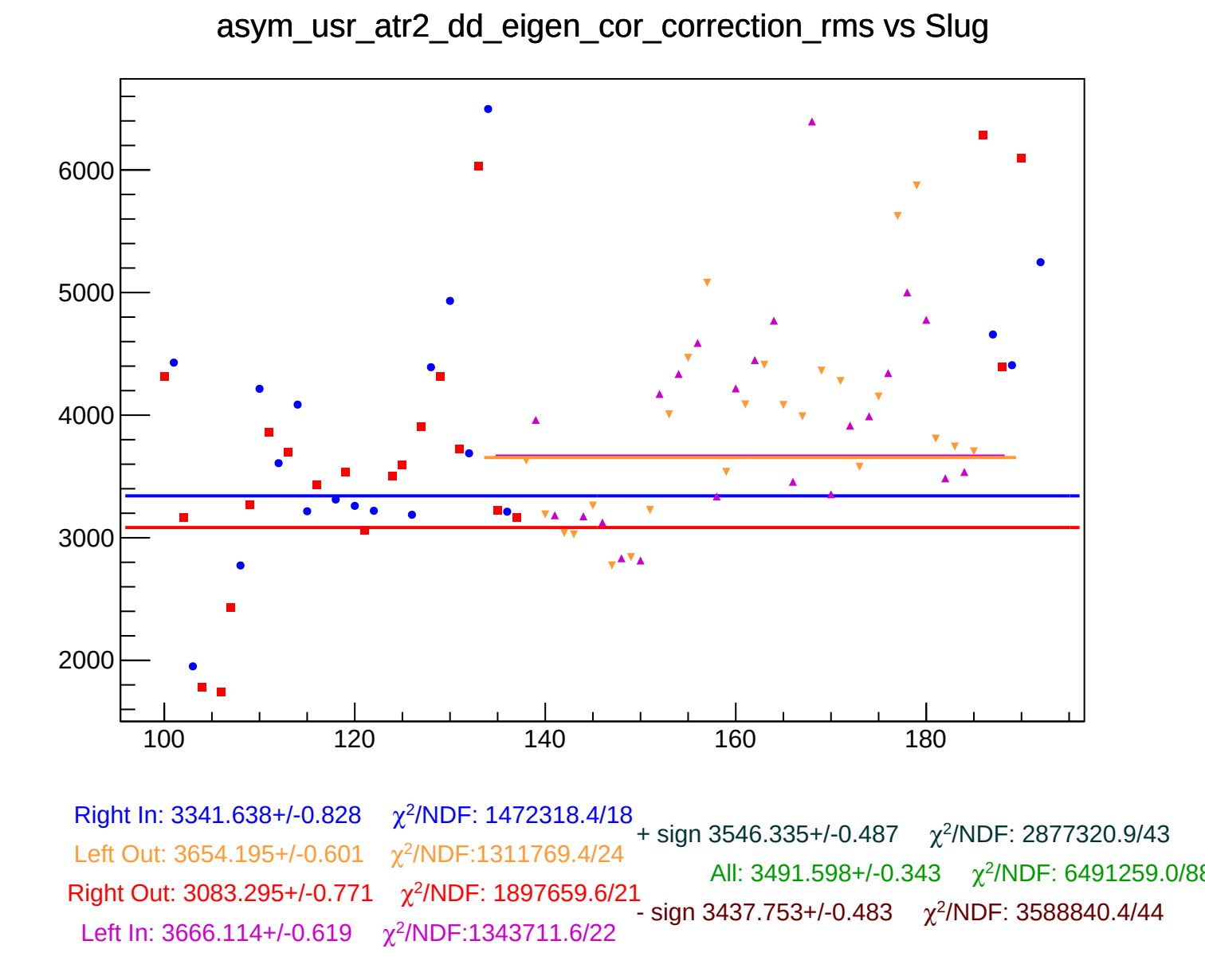
Right Out: -714.977+/-1090.452 χ^2/NDF: 24.7/21

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

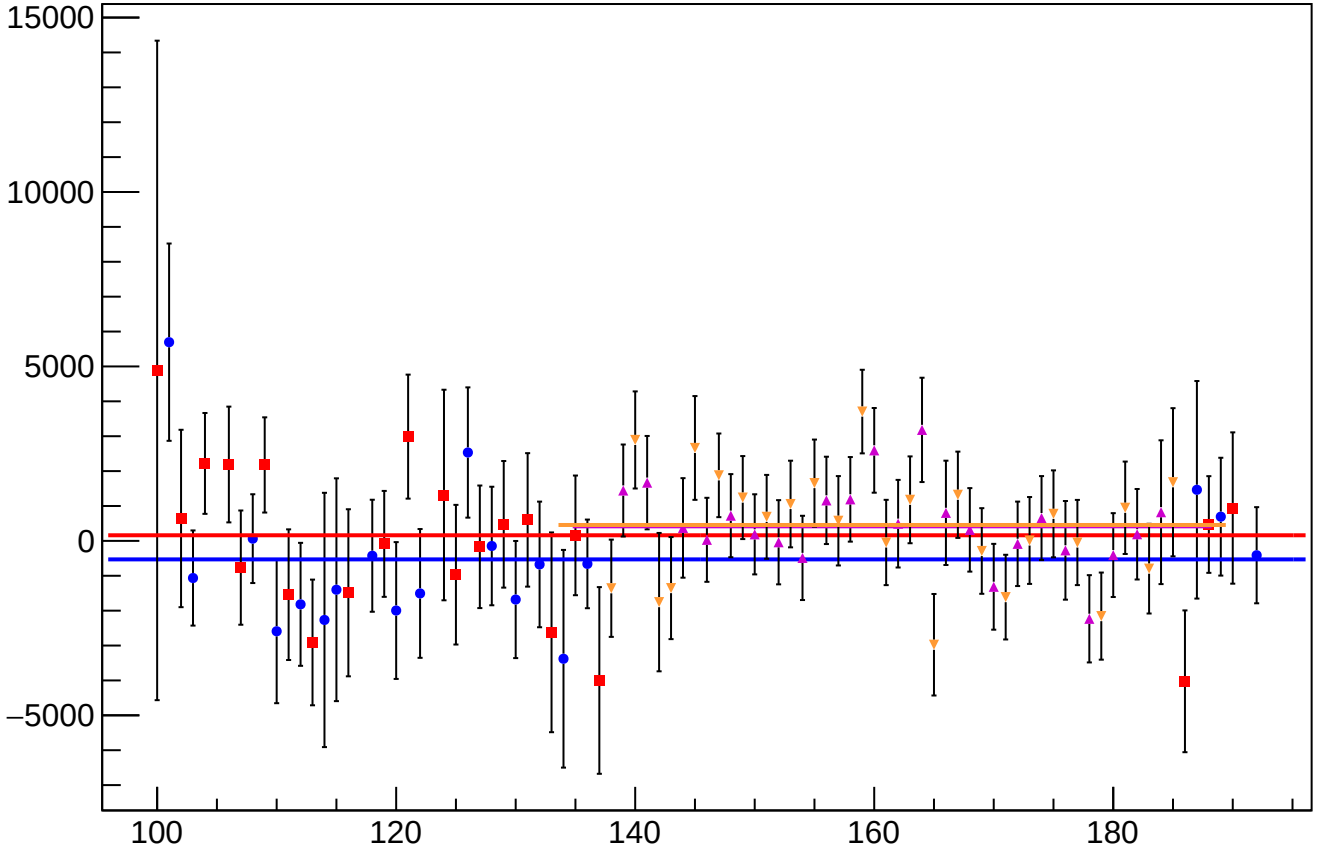
+ sign 184.667+/-688.203 χ^2/NDF: 44.3/43

All: -51.599+/-484.631 χ^2/NDF: 83.5/88

- sign -284.016+/-682.575 χ^2/NDF: 39.0/44


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug
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
+ sign 3546.335+/-0.487 χ²/NDF: 2877320.9/43
All: 3491.598+/-0.343 χ²/NDF: 6491259.0/88
- sign 3437.753+/-0.483 χ²/NDF: 3588840.4/44

dit_asym_usr_atr2_dd_mean vs Slug



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

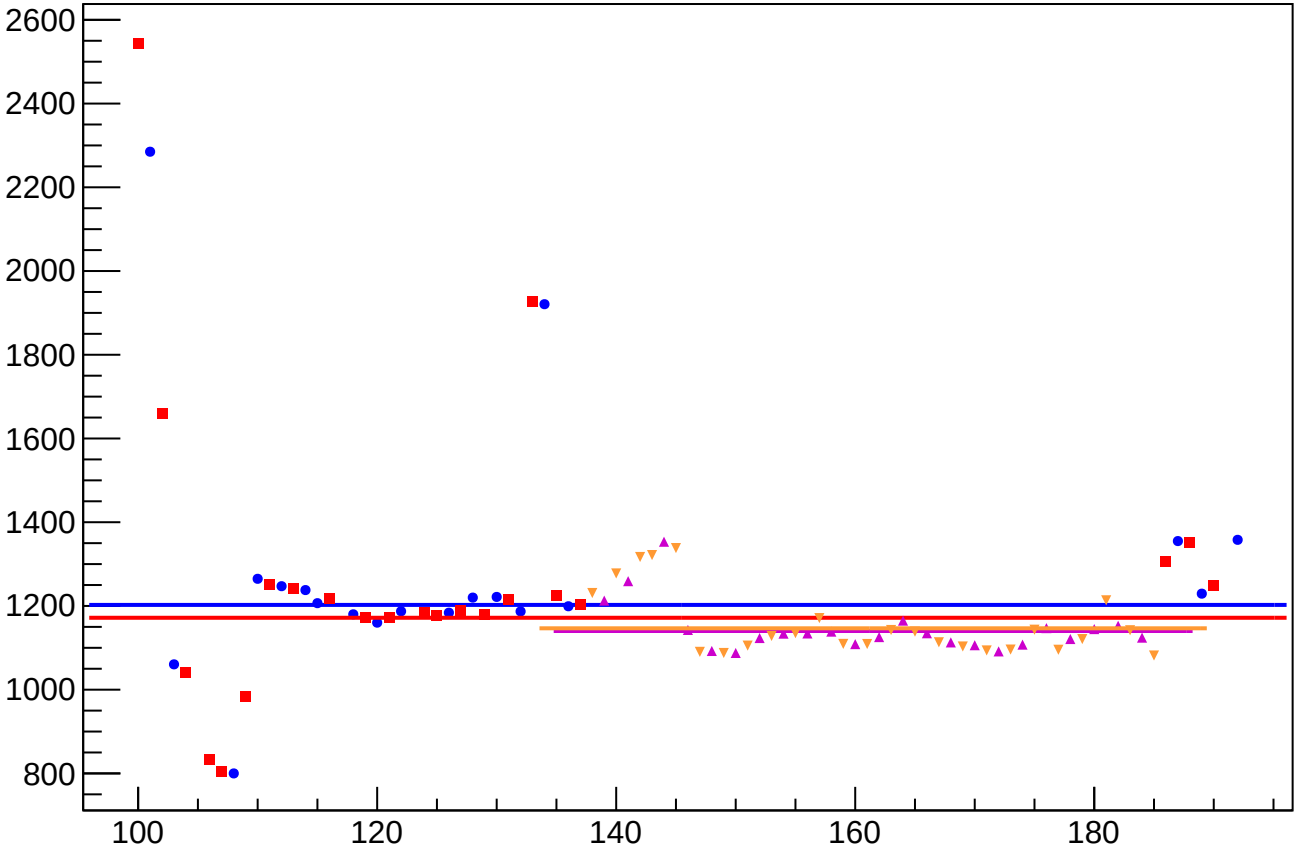
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 171.194+/-220.162 χ^2/NDF: 53.2/43

All: 254.068+/-156.219 χ^2/NDF: 92.5/88

- sign 338.102+/-221.698 χ^2/NDF: 39.1/44

dit_asym_usr_atr2_dd_rms vs Slug



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

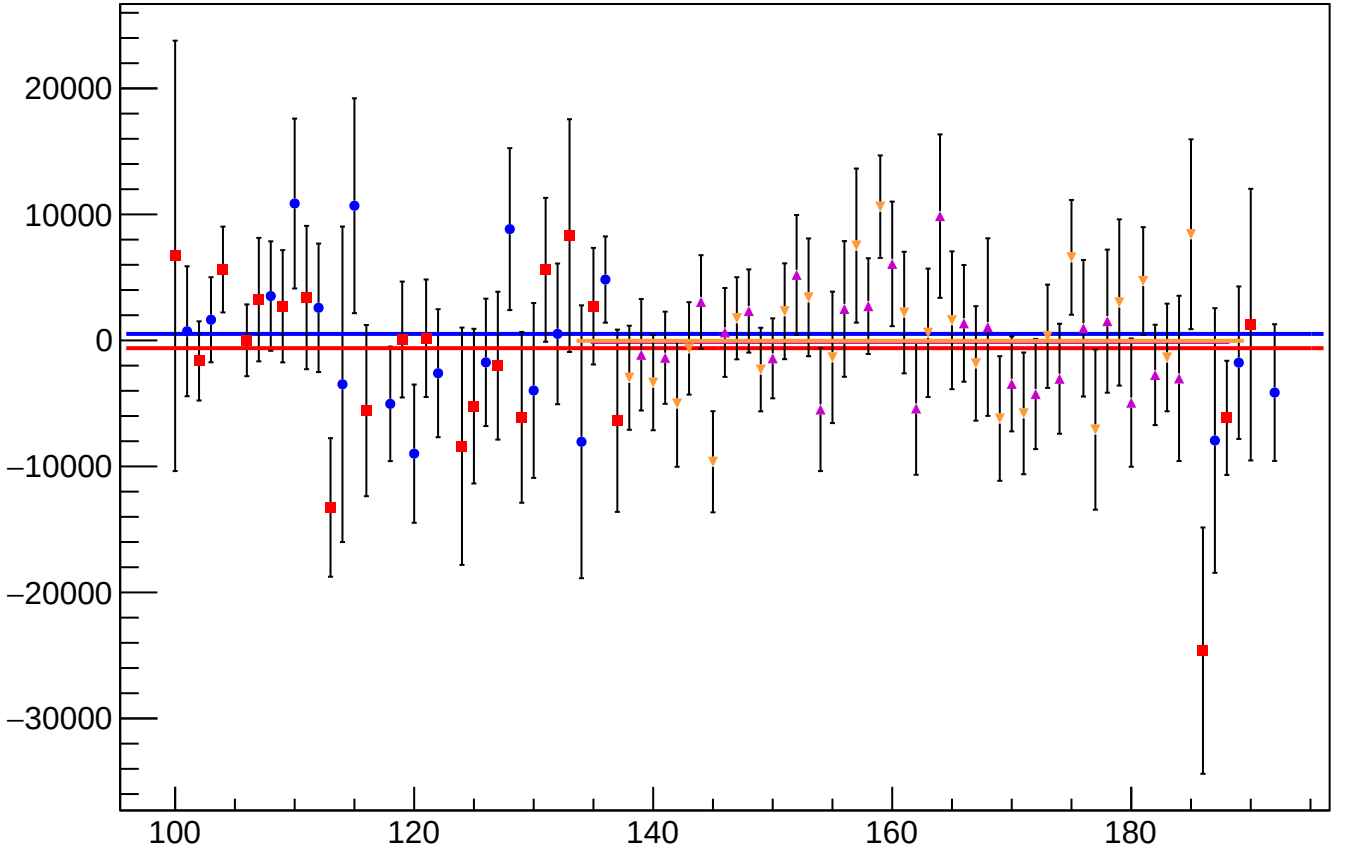
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1162.729+/-0.156 χ^2/NDF: 824679.3/43

All: 1156.369+/-0.110 χ^2/NDF: 1472349.8/88

- sign 1149.921+/-0.157 χ^2/NDF: 644309.1/44

asym_usr_atr2_dd_dit_correction_mean vs Slug



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

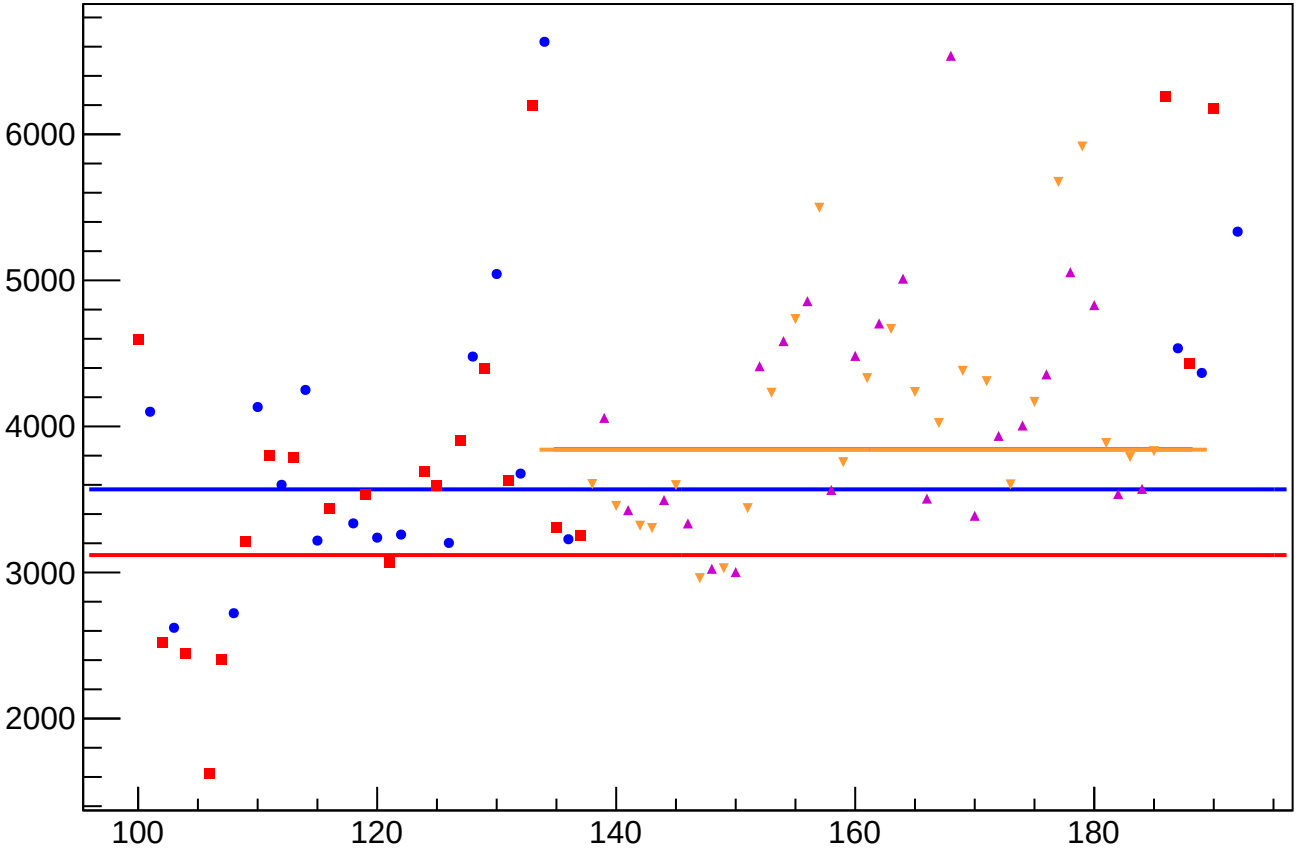
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 155.725+/-721.978 χ^2/NDF: 43.4/43

All: -93.027+/-502.459 χ^2/NDF: 81.6/88

- sign -326.675+/-699.715 χ^2/NDF: 37.9/44

asym_usr_atr2_dd_dit_correction_rms vs Slug



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

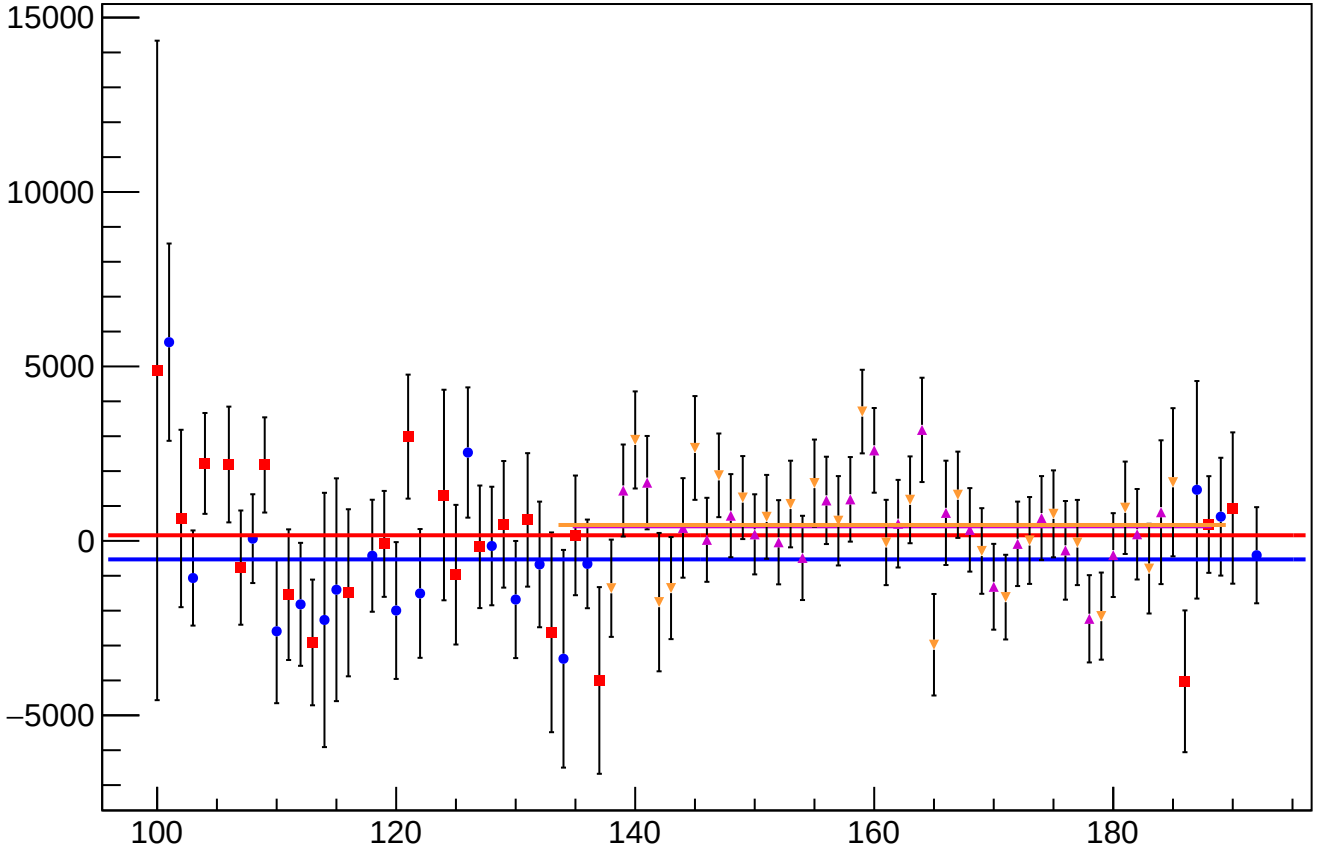
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3747.364+/-0.511 χ^2/NDF: 2065943.1/43

All: 3641.441+/-0.355 χ^2/NDF: 5608362.2/88

- sign 3541.950+/-0.495 χ^2/NDF: 3458935.1/44

eigen_dit_asym_usr_atr2_dd_mean vs Slug



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

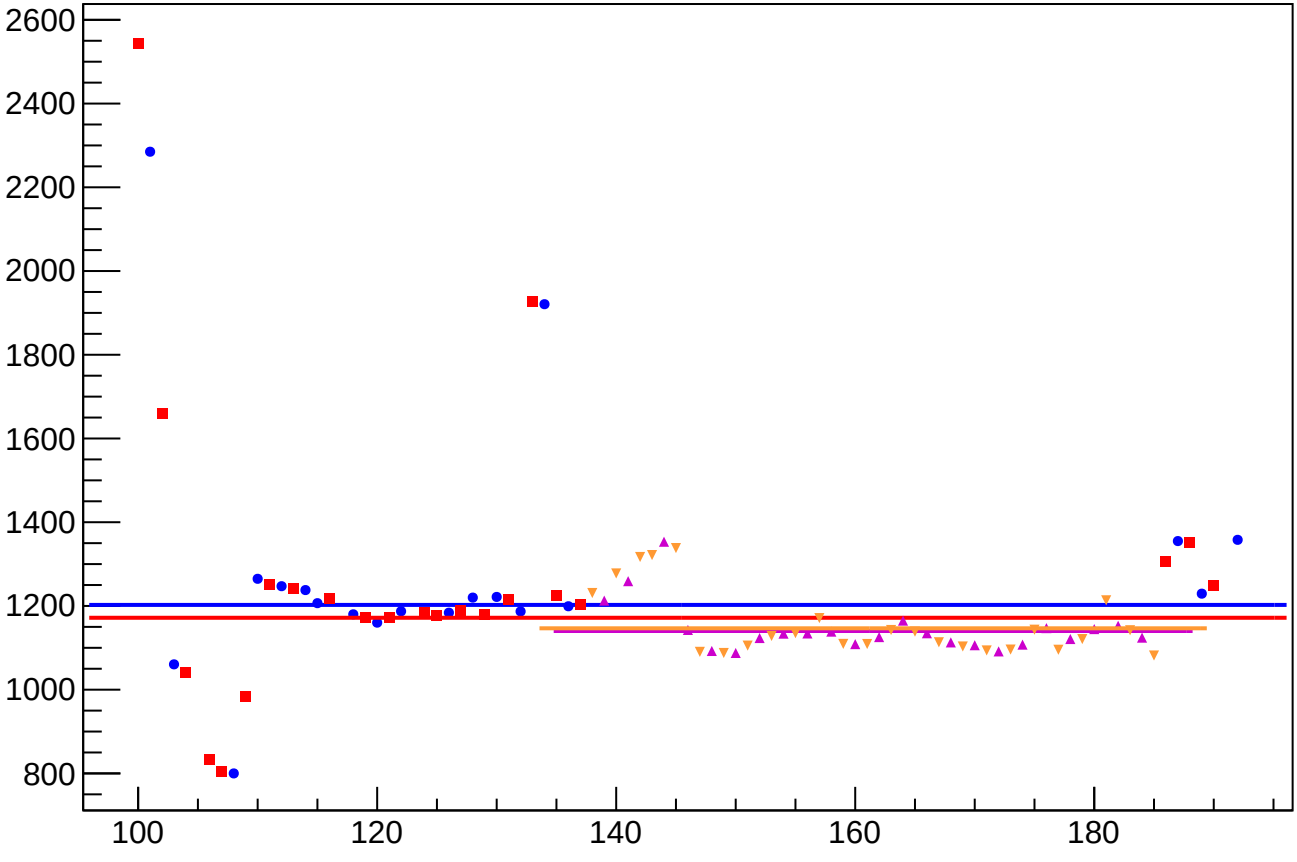
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

\+ sign 171.196+/-220.162 χ^2/NDF: 53.2/43

All: 254.069+/-156.219 χ^2/NDF: 92.5/88

\- sign 338.103+/-221.699 χ^2/NDF: 39.1/44

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1202.477+/-0.290 χ^2/NDF: 657233.4/18

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

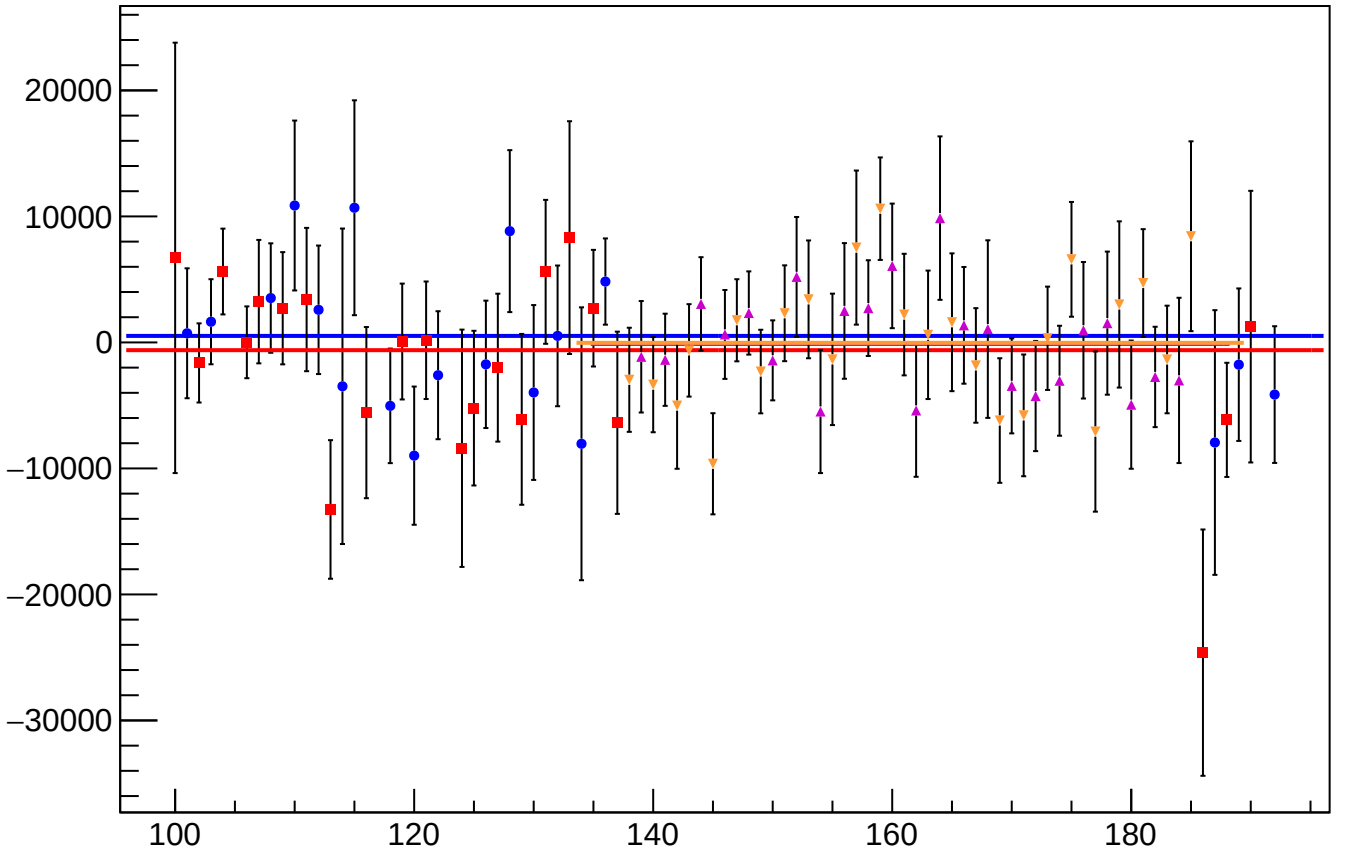
Right Out: 1171.777+/-0.282 χ^2/NDF: 550895.5/21

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1162.729+/-0.156 χ^2/NDF: 824678.6/43

All: 1156.369+/-0.110 χ^2/NDF: 1472347.8/88

- sign 1149.921+/-0.157 χ^2/NDF: 644308.0/44



Right In: 516.719+/-1231.036 χ^2/NDF: 15.5/18

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

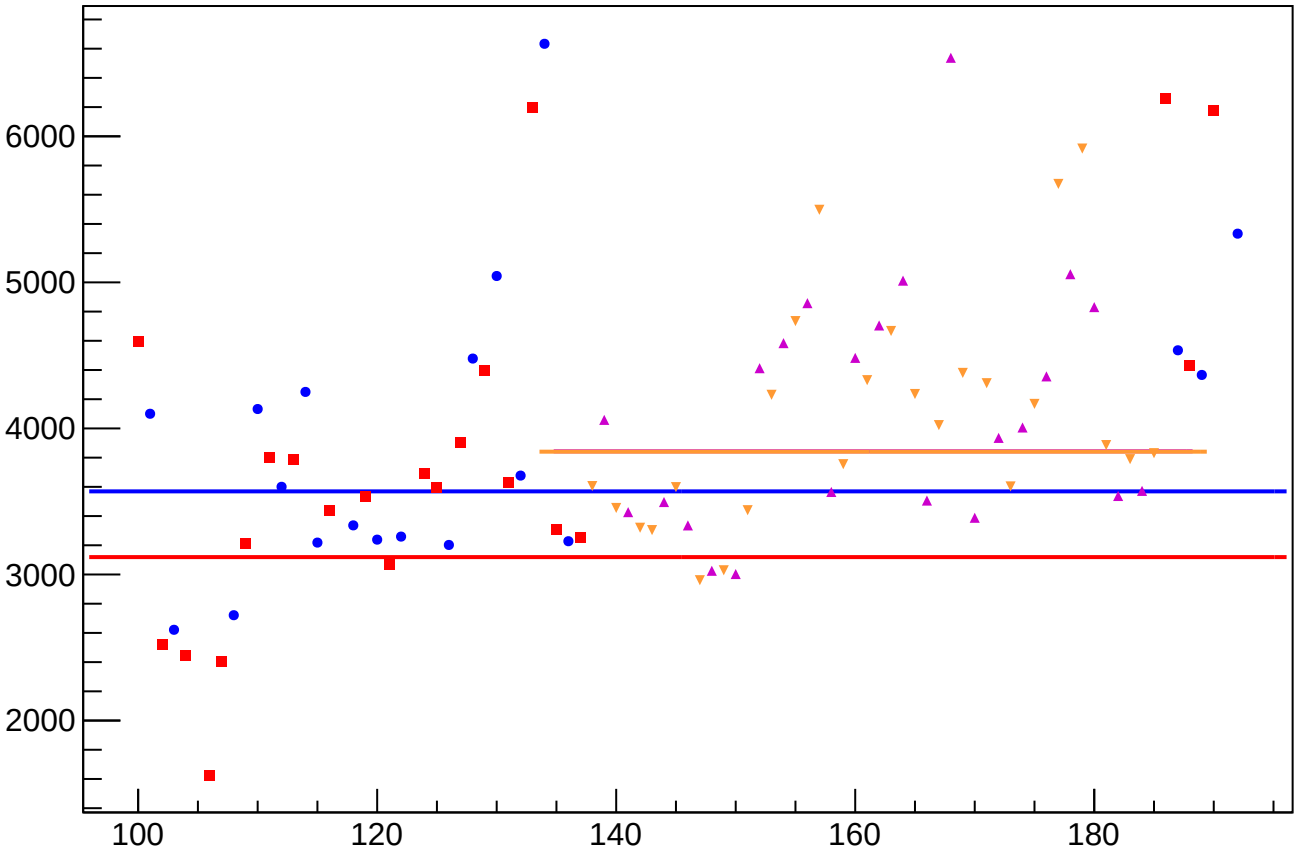
Right Out: -615.185+/-1084.700 χ^2/NDF: 24.0/21

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 155.722+/-721.979 χ^2/NDF: 43.4/43

All: -93.029+/-502.460 χ^2/NDF: 81.6/88

- sign -326.674+/-699.715 χ^2/NDF: 37.9/44



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

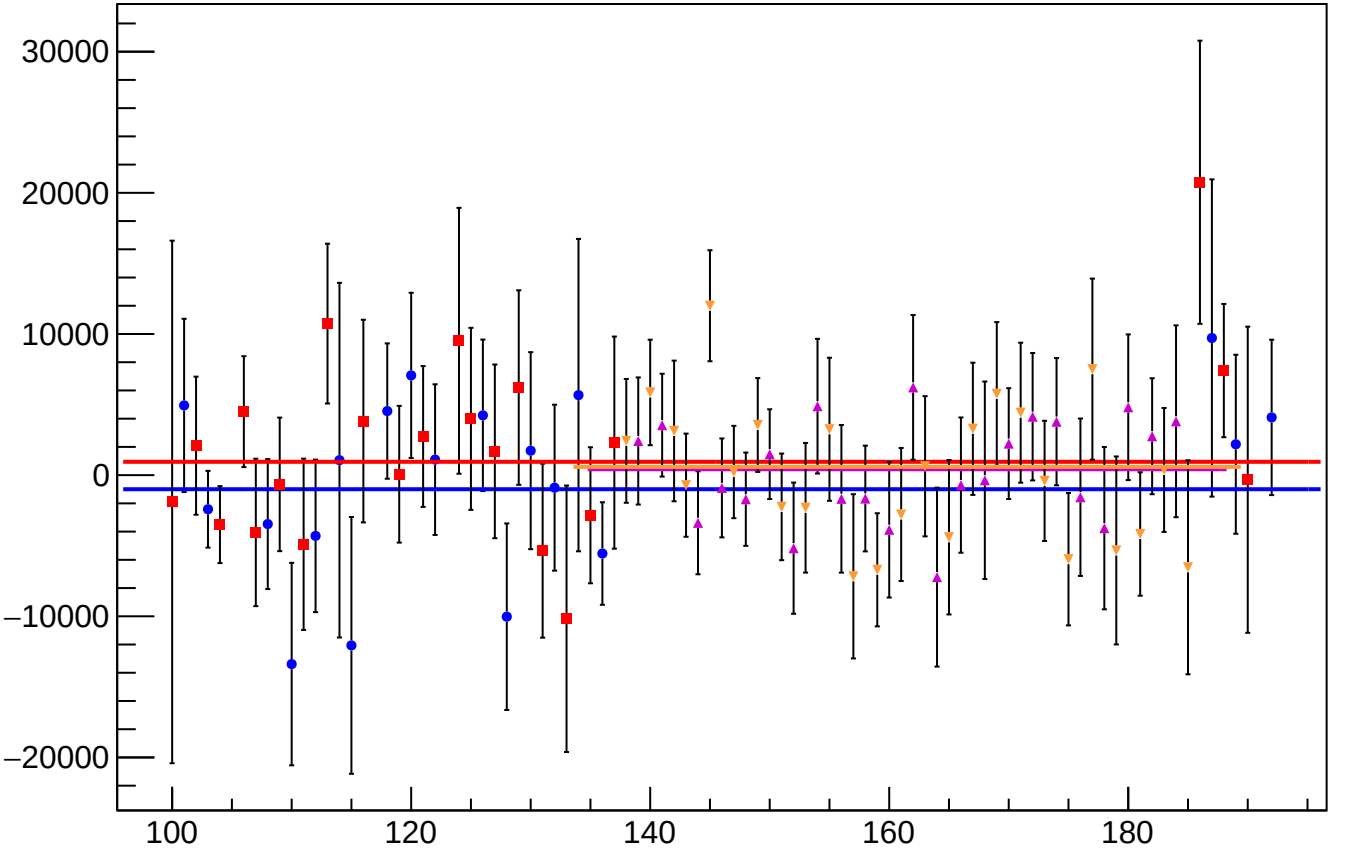
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3747.366+/-0.511 χ^2/NDF: 2065946.6/43

All: 3641.442+/-0.355 χ^2/NDF: 5608387.3/88

- sign 3541.950+/-0.495 χ^2/NDF: 3458955.0/44

asym_usr_atr2_dd_mean vs Slug



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

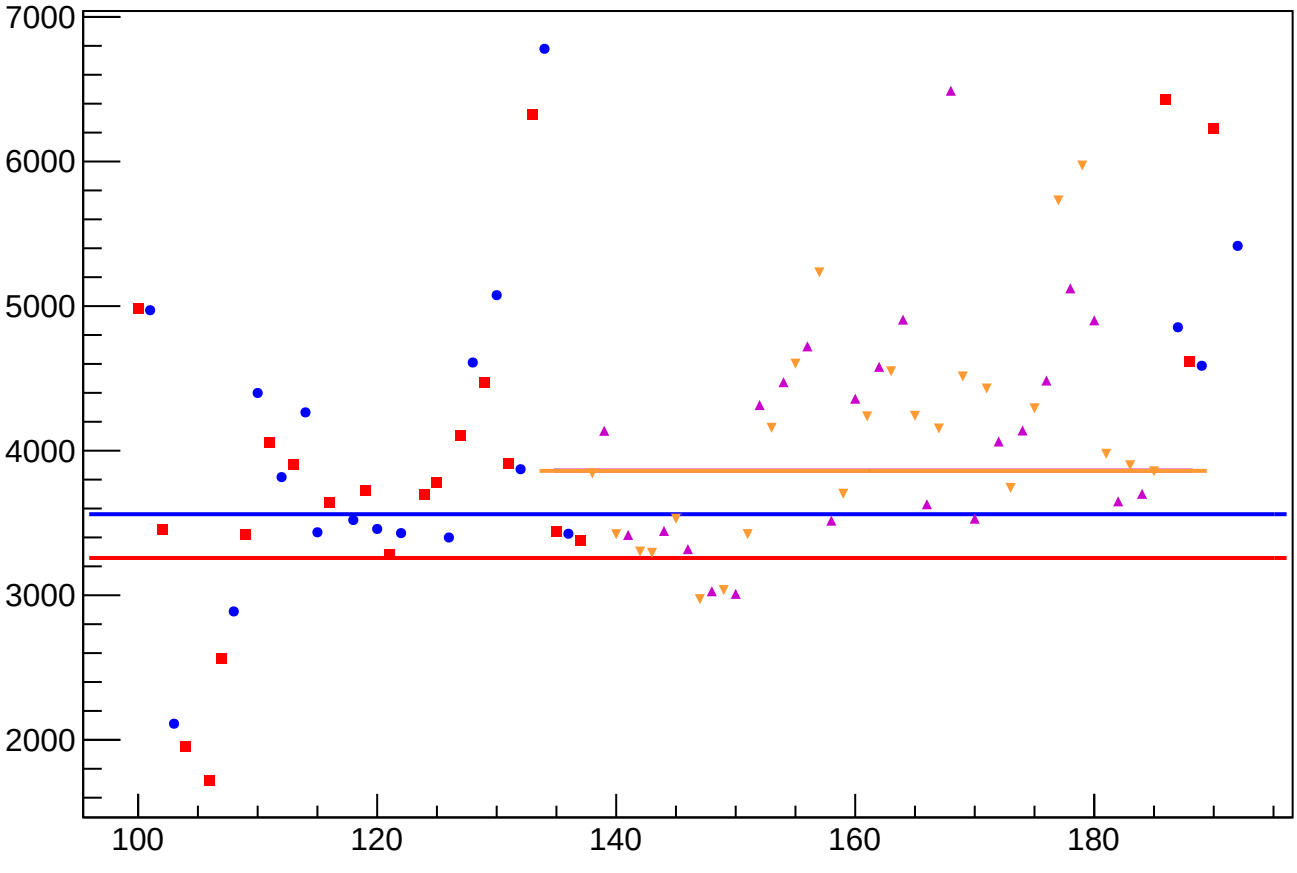
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign 44.381+/-726.510 χ^2/NDF: 45.2/43

All: 332.833+/-512.377 χ^2/NDF: 77.4/88

- sign 618.288+/-722.725 χ^2/NDF: 32.0/44

asym_usr_atr2_dd_rms vs Slug



Right In: 3560.649+/-0.880 χ^2/NDF: 1387490.2/18

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

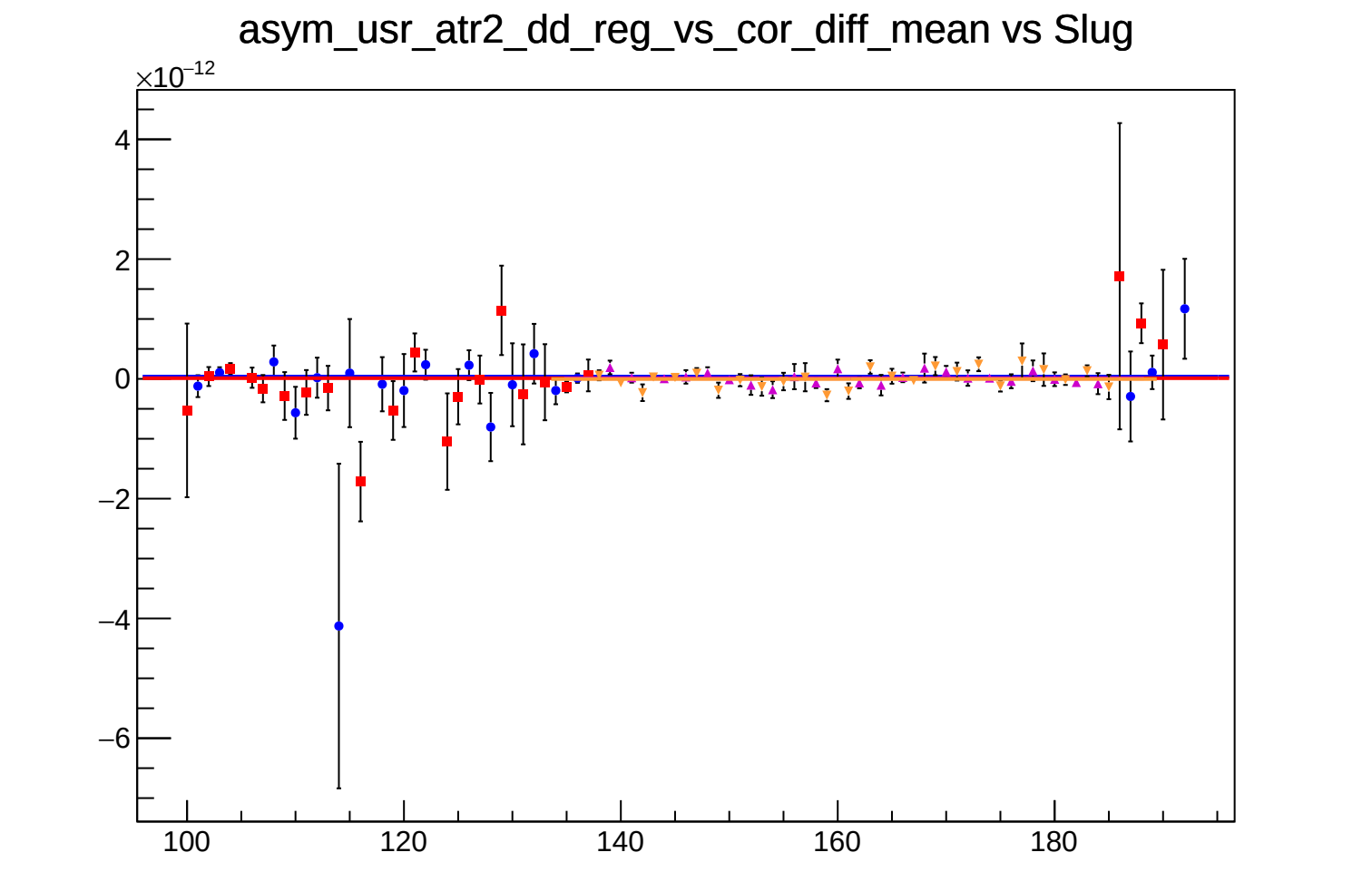
Right Out: 3257.893+/-0.815 χ^2/NDF: 1883661.0/21

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 3758.297+/-0.514 χ^2/NDF: 2561352.4/43

All: 3692.064+/-0.361 χ^2/NDF: 5956506.2/88

- sign 3627.294+/-0.508 χ^2/NDF: 3362276.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

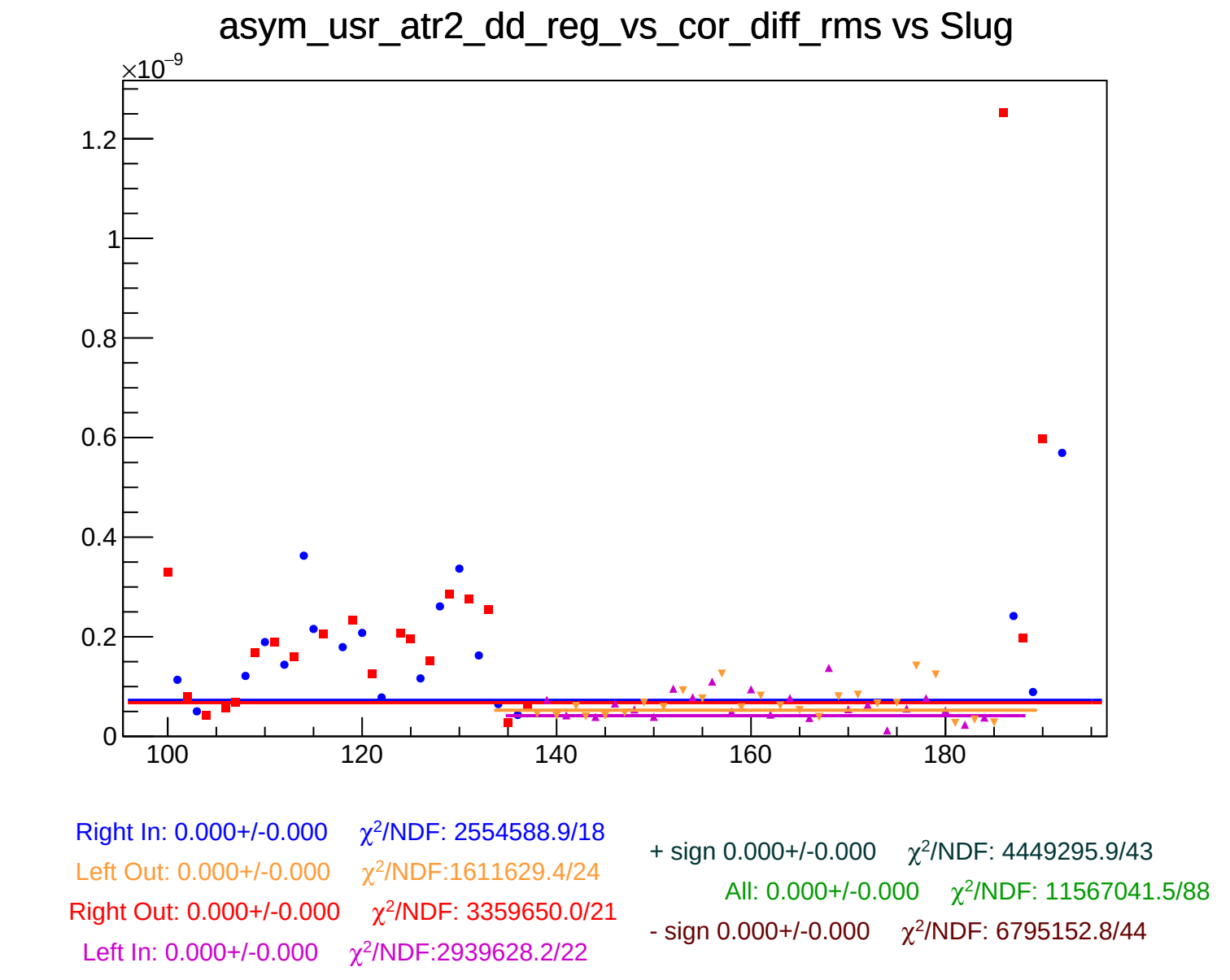
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/21

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.8/43

All: 0.000+/-0.000 χ^2/NDF: 92.0/88

- sign 0.000+/-0.000 χ^2/NDF: 43.2/44


asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
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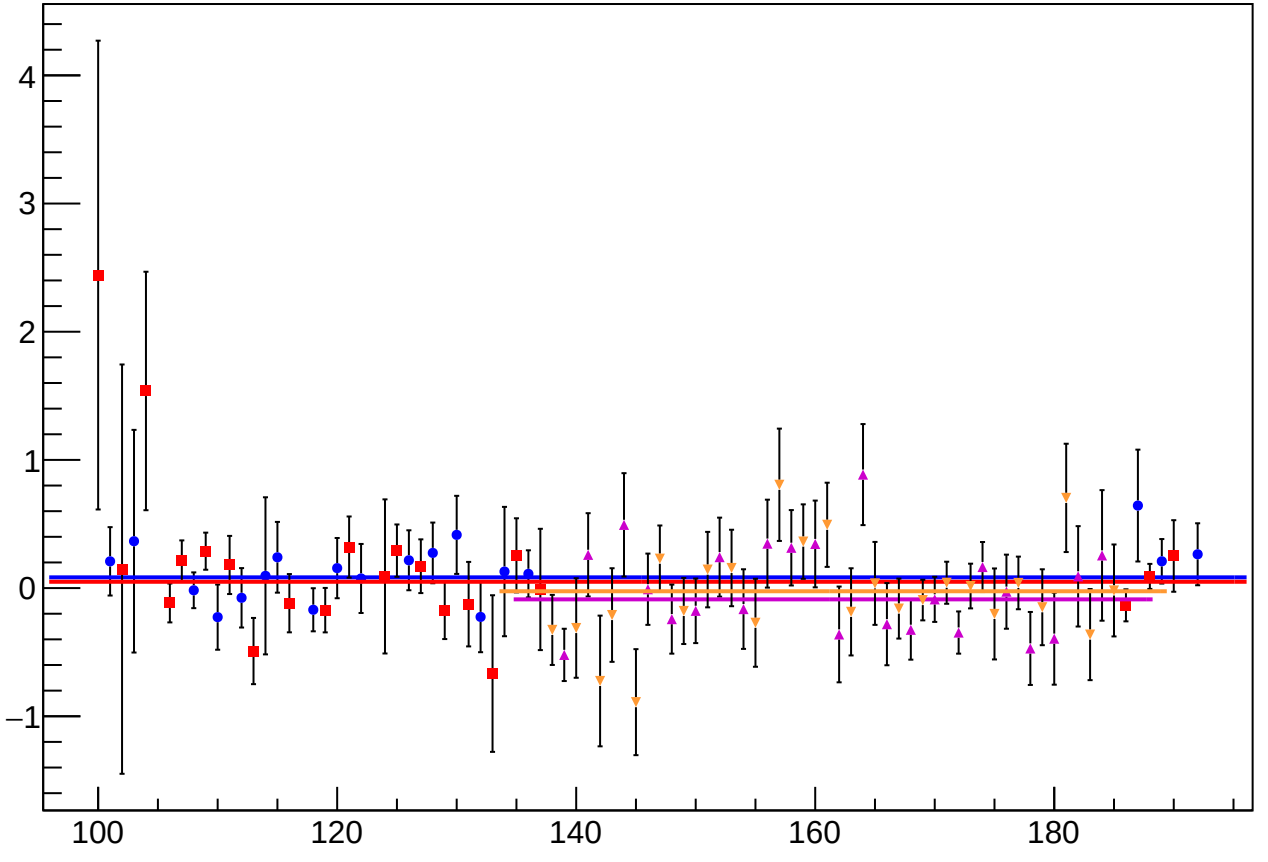
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 2554588.9/18
Left Out: 0.000+/-0.000 χ²/NDF:1611629.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 3359650.0/21
Left In: 0.000+/-0.000 χ²/NDF:2939628.2/22
+ sign 0.000+/-0.000 χ²/NDF: 4449295.9/43
All: 0.000+/-0.000 χ²/NDF: 11567041.5/88
- sign 0.000+/-0.000 χ²/NDF: 6795152.8/44

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



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

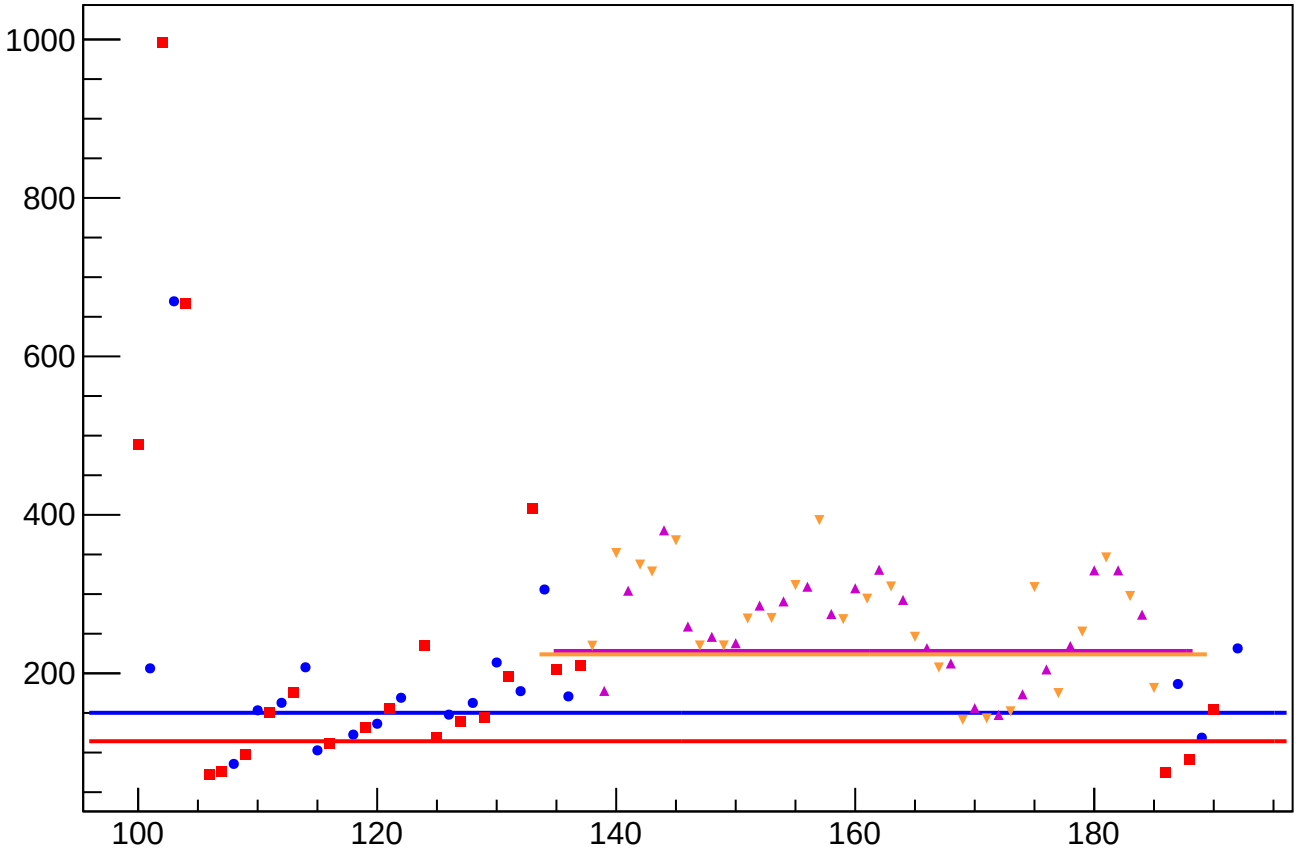
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.029+/-0.039 χ^2/NDF: 37.7/43

All: 0.012+/-0.026 χ^2/NDF: 96.9/88

- sign -0.002+/-0.035 χ^2/NDF: 58.8/44

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 150.186+/-0.039 χ^2/NDF: 2017422.4/18

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

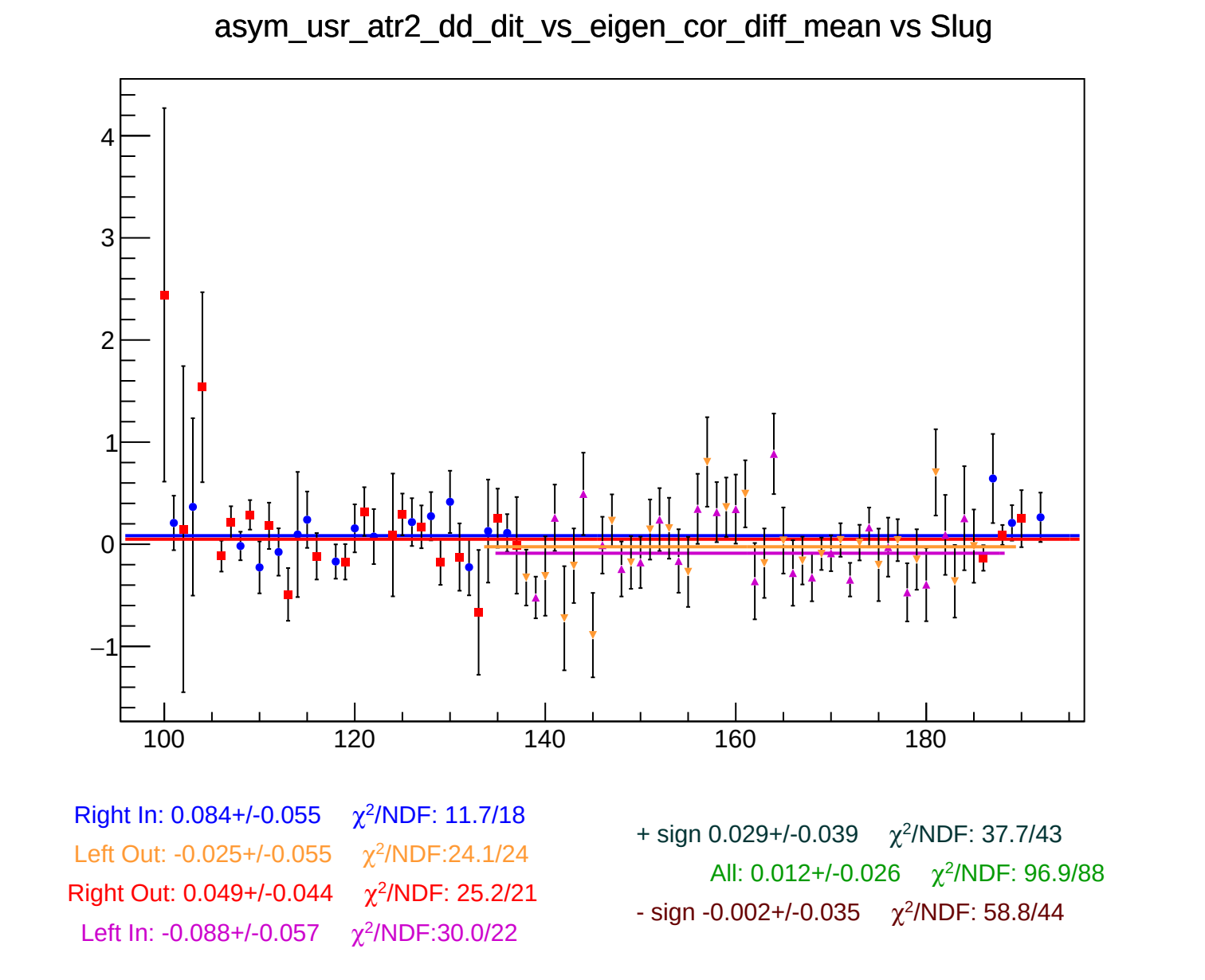
Right Out: 114.289+/-0.031 χ^2/NDF: 3318880.6/21

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 187.197+/-0.027 χ^2/NDF: 7274280.5/43

All: 170.581+/-0.018 χ^2/NDF: 18791098.3/88

- sign 157.160+/-0.025 χ^2/NDF: 10849491.1/44


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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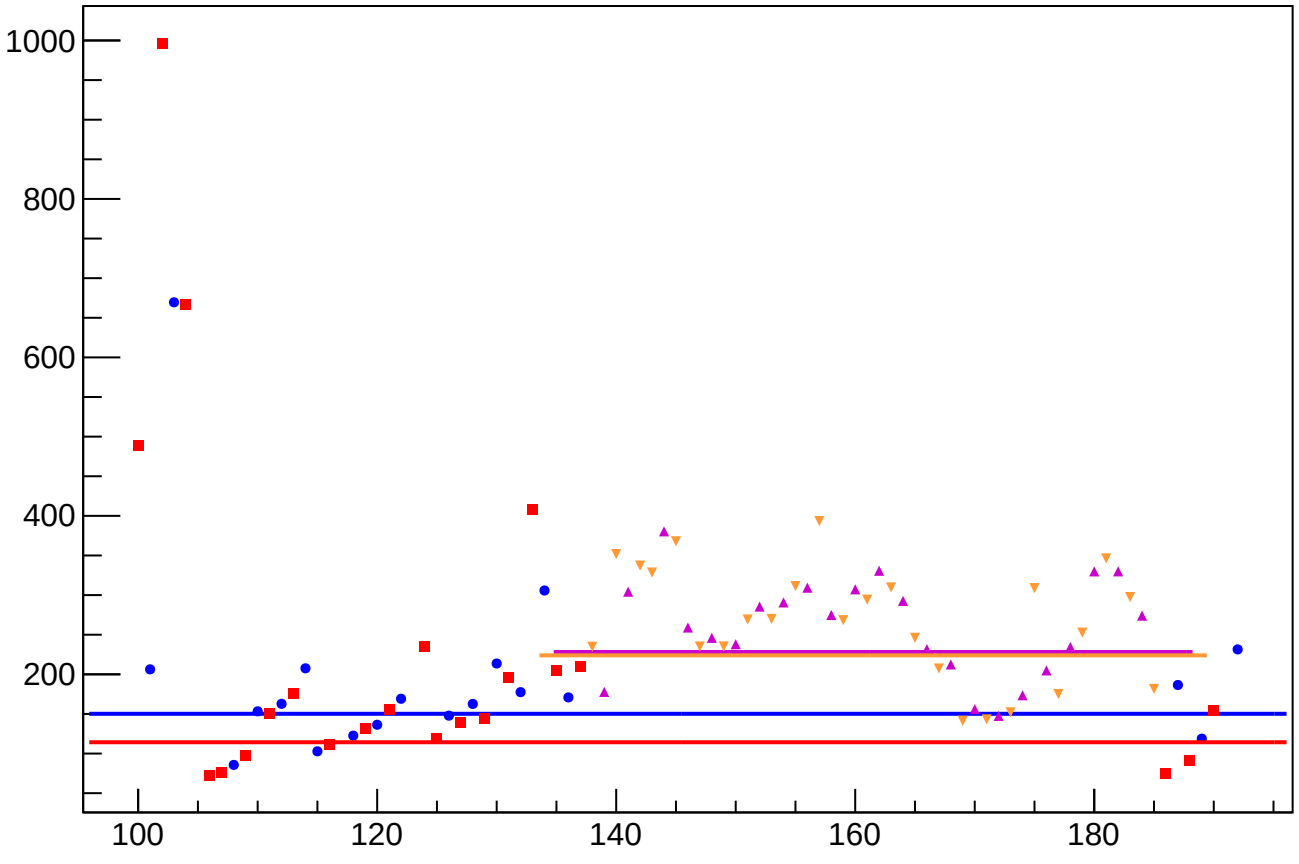
Right In: 0.084+/-0.055 χ²/NDF: 11.7/18
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.049+/-0.044 χ²/NDF: 25.2/21
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.029+/-0.039 χ²/NDF: 37.7/43
All: 0.012+/-0.026 χ²/NDF: 96.9/88
- sign -0.002+/-0.035 χ²/NDF: 58.8/44



Right In: 150.186+/-0.039 χ^2/NDF: 2017422.4/18

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

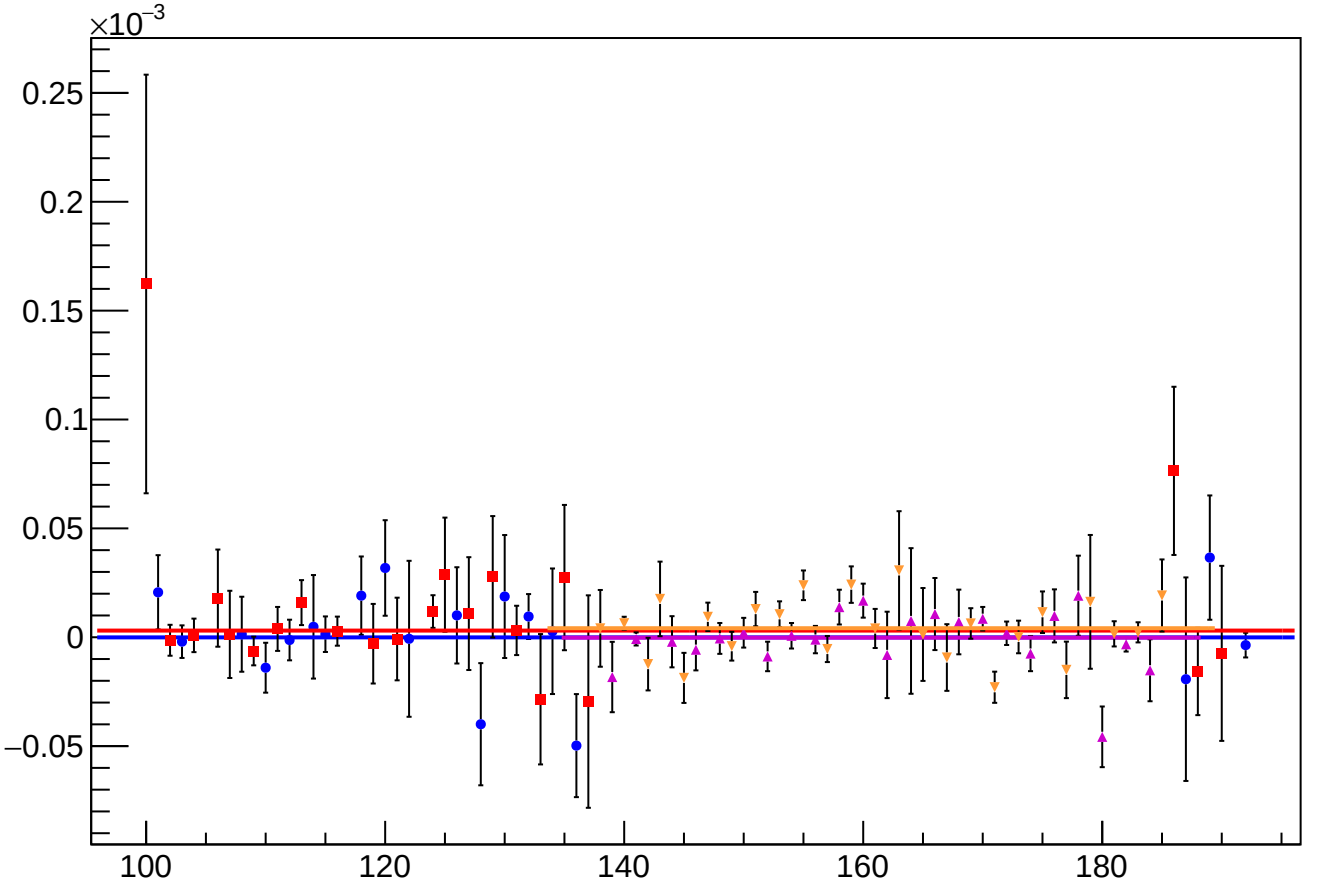
Right Out: 114.289+/-0.031 χ^2/NDF: 3318880.6/21

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 187.197+/-0.027 χ^2/NDF: 7274280.5/43

All: 170.581+/-0.018 χ^2/NDF: 18791098.3/88

- sign 157.160+/-0.025 χ^2/NDF: 10849491.1/44



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

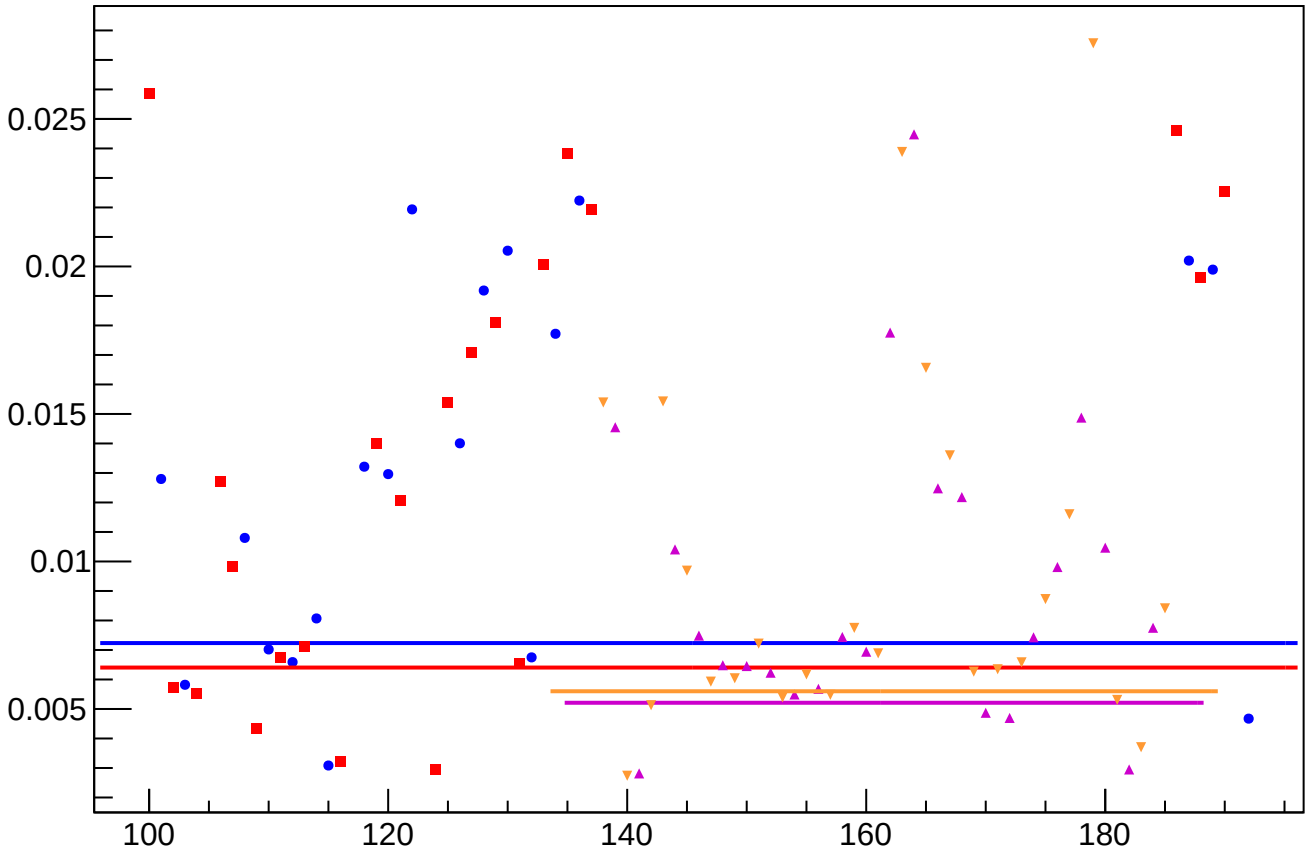
Right Out: 0.000+/-0.000 χ^2/NDF: 17.3/21

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.0/43

All: 0.000+/-0.000 χ^2/NDF: 117.8/88

- sign 0.000+/-0.000 χ^2/NDF: 48.5/44



Right In: 0.007+/-0.000 χ^2/NDF: 4615827.1/18

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

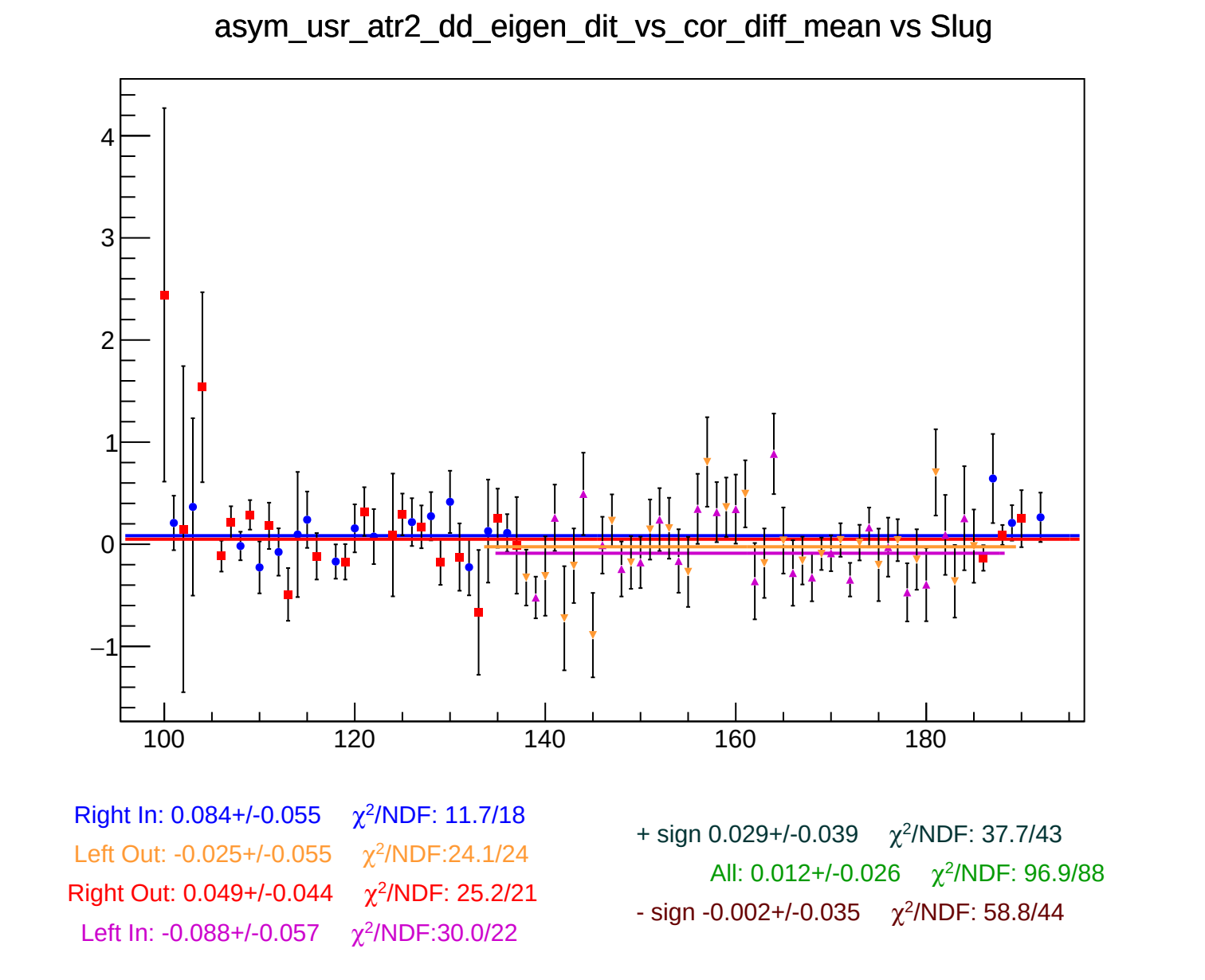
Right Out: 0.006+/-0.000 χ^2/NDF: 5689703.2/21

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

+ sign 0.006+/-0.000 χ^2/NDF: 12881294.3/43

All: 0.006+/-0.000 χ^2/NDF: 26472031.4/88

- sign 0.005+/-0.000 χ^2/NDF: 13473322.7/44


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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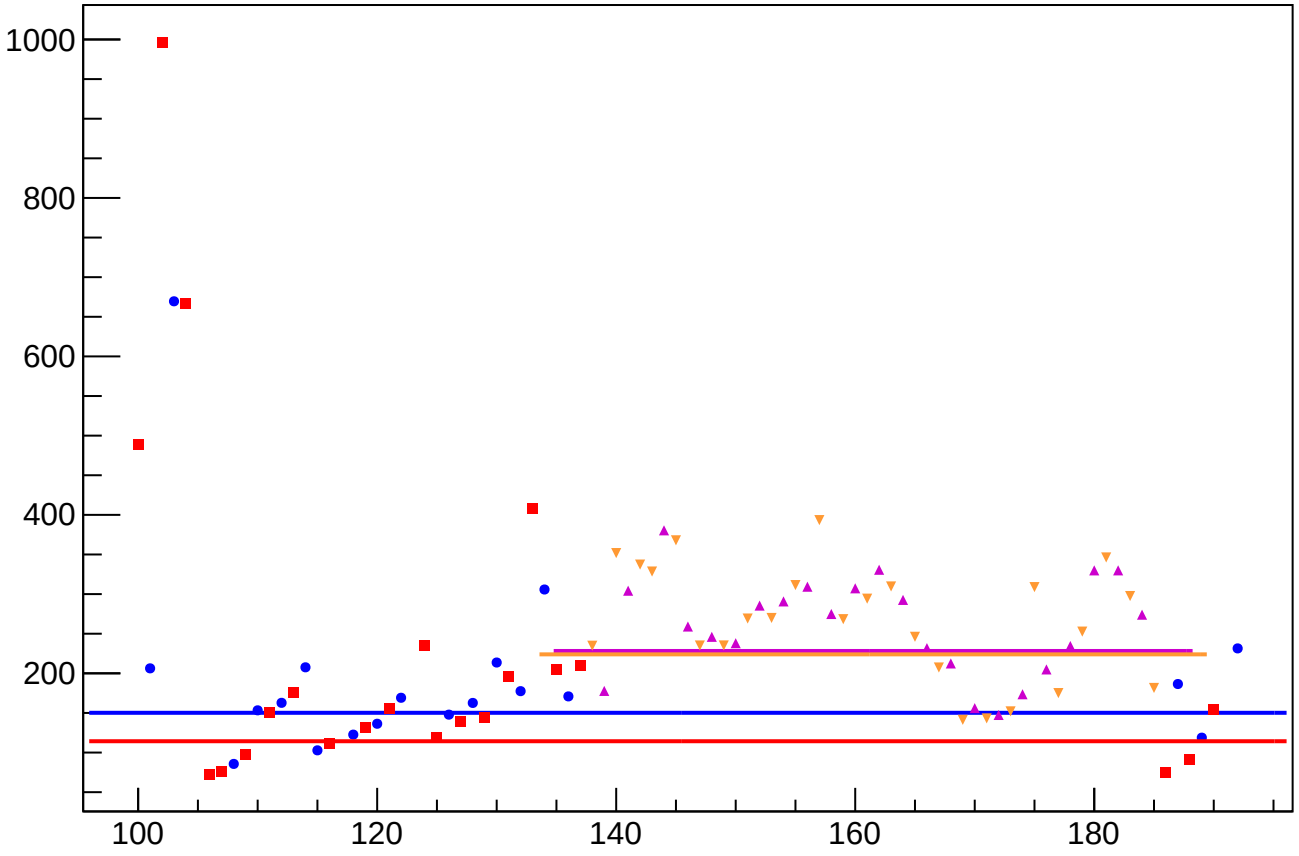
Right In: 0.084+/-0.055 χ²/NDF: 11.7/18
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.049+/-0.044 χ²/NDF: 25.2/21
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.029+/-0.039 χ²/NDF: 37.7/43
All: 0.012+/-0.026 χ²/NDF: 96.9/88
- sign -0.002+/-0.035 χ²/NDF: 58.8/44

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 150.183+/-0.039 χ^2/NDF: 2017540.7/18

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

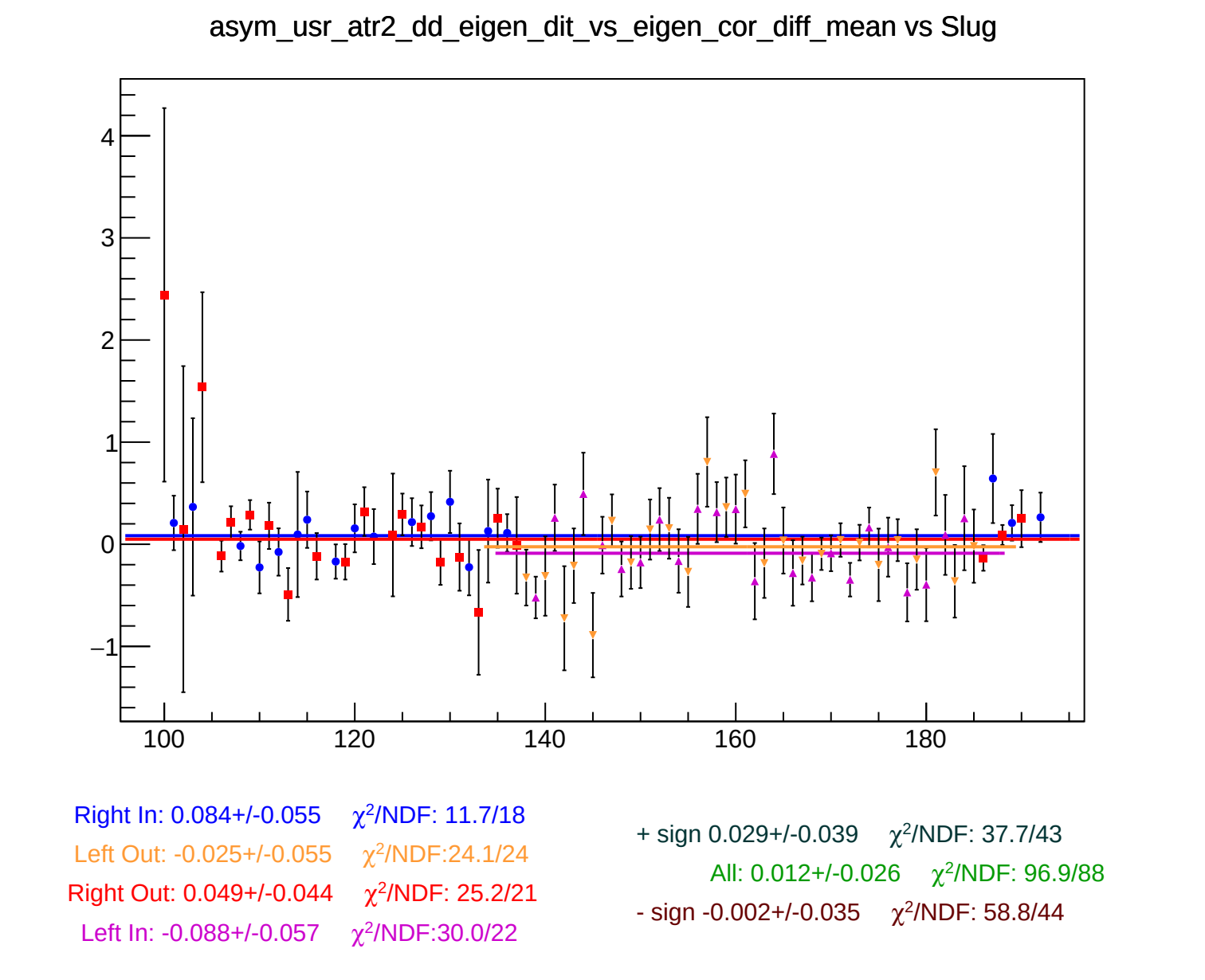
Right Out: 114.294+/-0.031 χ^2/NDF: 3318582.7/21

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 187.195+/-0.027 χ^2/NDF: 7274759.9/43

All: 170.583+/-0.018 χ^2/NDF: 18790577.2/88

- sign 157.165+/-0.025 χ^2/NDF: 10848799.6/44


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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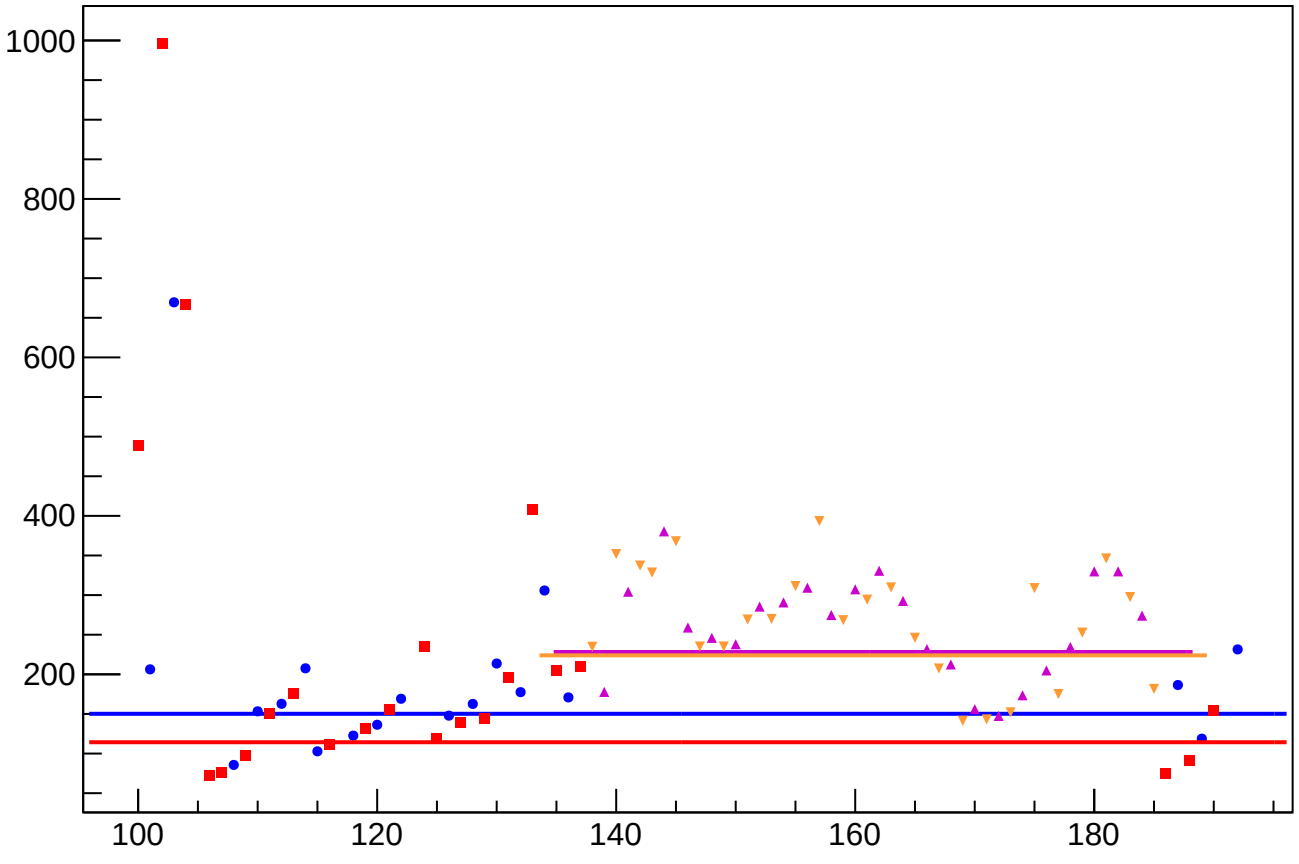
Right In: 0.084+/-0.055 χ²/NDF: 11.7/18
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.049+/-0.044 χ²/NDF: 25.2/21
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.029+/-0.039 χ²/NDF: 37.7/43
All: 0.012+/-0.026 χ²/NDF: 96.9/88
- sign -0.002+/-0.035 χ²/NDF: 58.8/44



Right In: 150.183+/-0.039 χ^2/NDF: 2017540.7/18

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

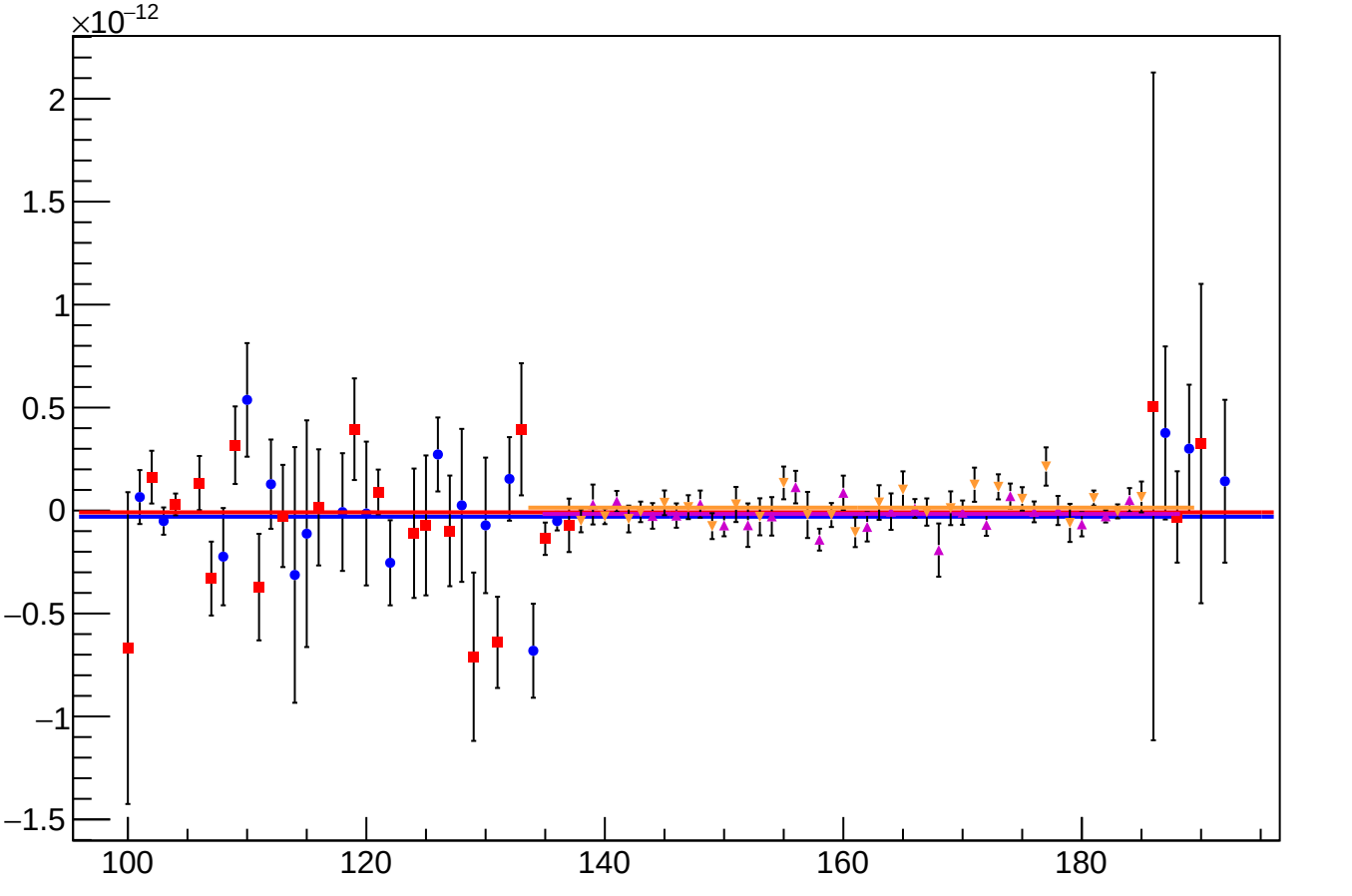
Right Out: 114.294+/-0.031 χ^2/NDF: 3318582.7/21

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

\+ sign 187.195+/-0.027 χ^2/NDF: 7274759.9/43

All: 170.583+/-0.018 χ^2/NDF: 18790577.2/88

\- sign 157.165+/-0.025 χ^2/NDF: 10848799.6/44



Right In: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

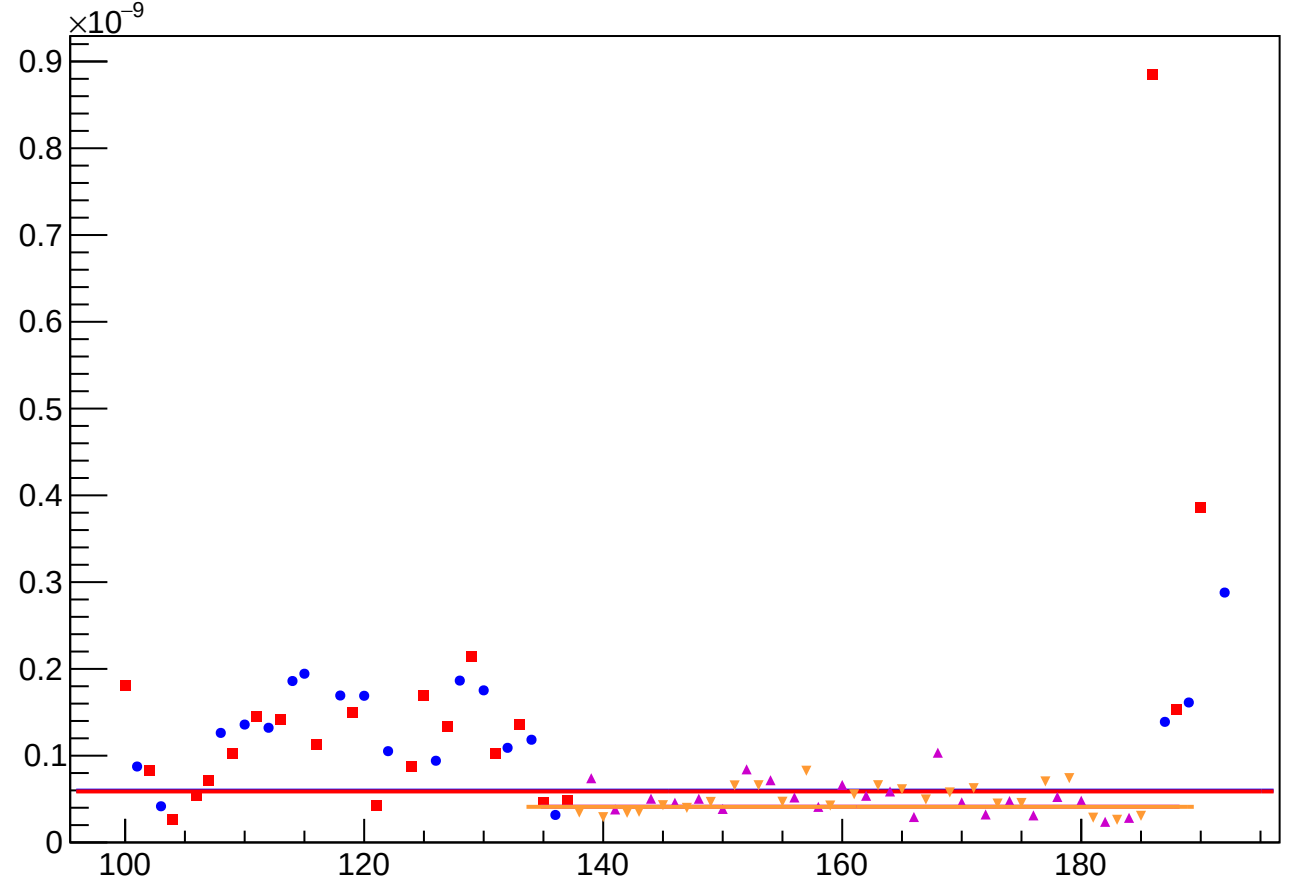
Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/21

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.8/43

All: -0.000+/-0.000 χ^2/NDF: 104.9/88

- sign -0.000+/-0.000 χ^2/NDF: 53.9/44



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

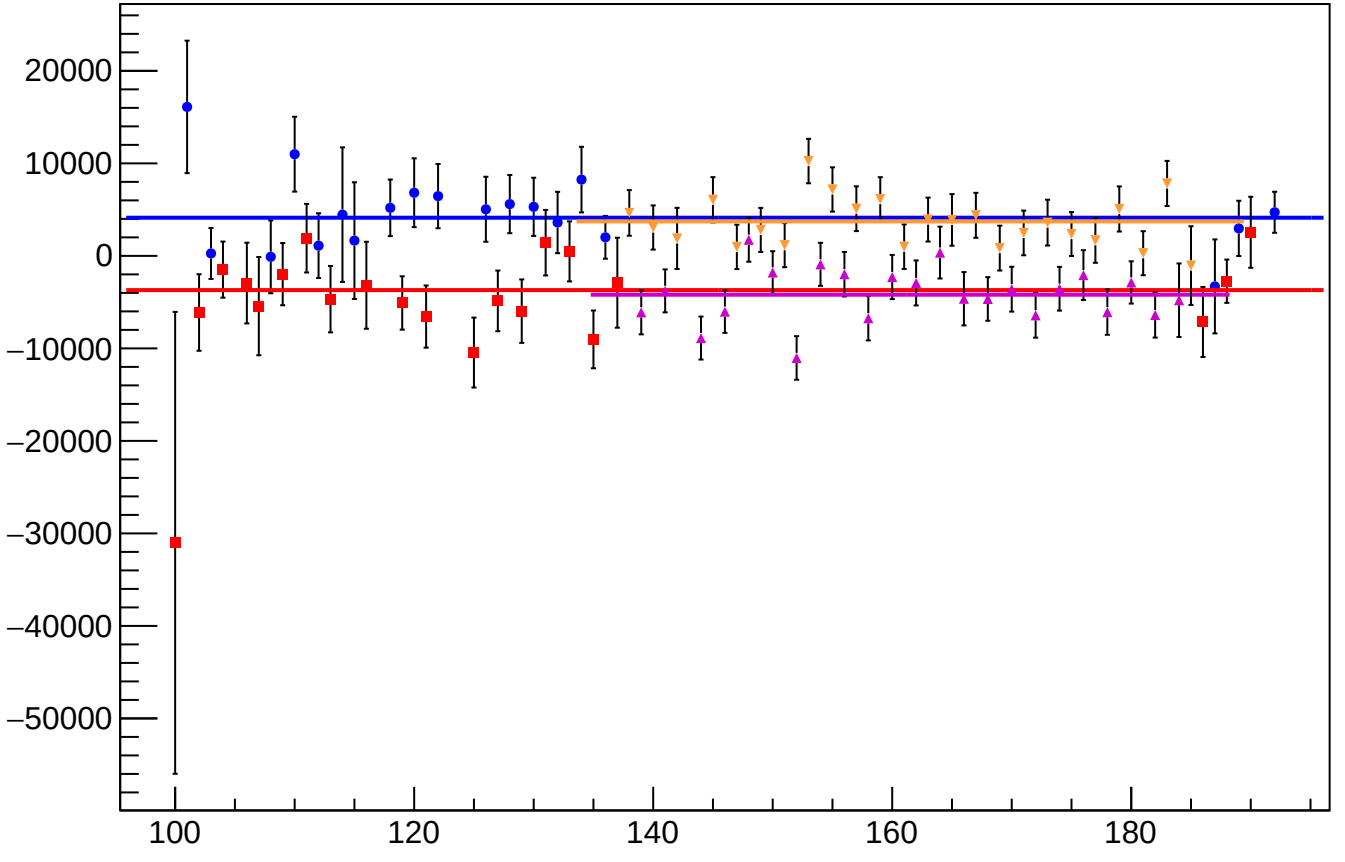
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7329039.1/43

All: 0.000+/-0.000 χ^2/NDF: 14705768.5/88

- sign 0.000+/-0.000 χ^2/NDF: 7376593.3/44

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



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

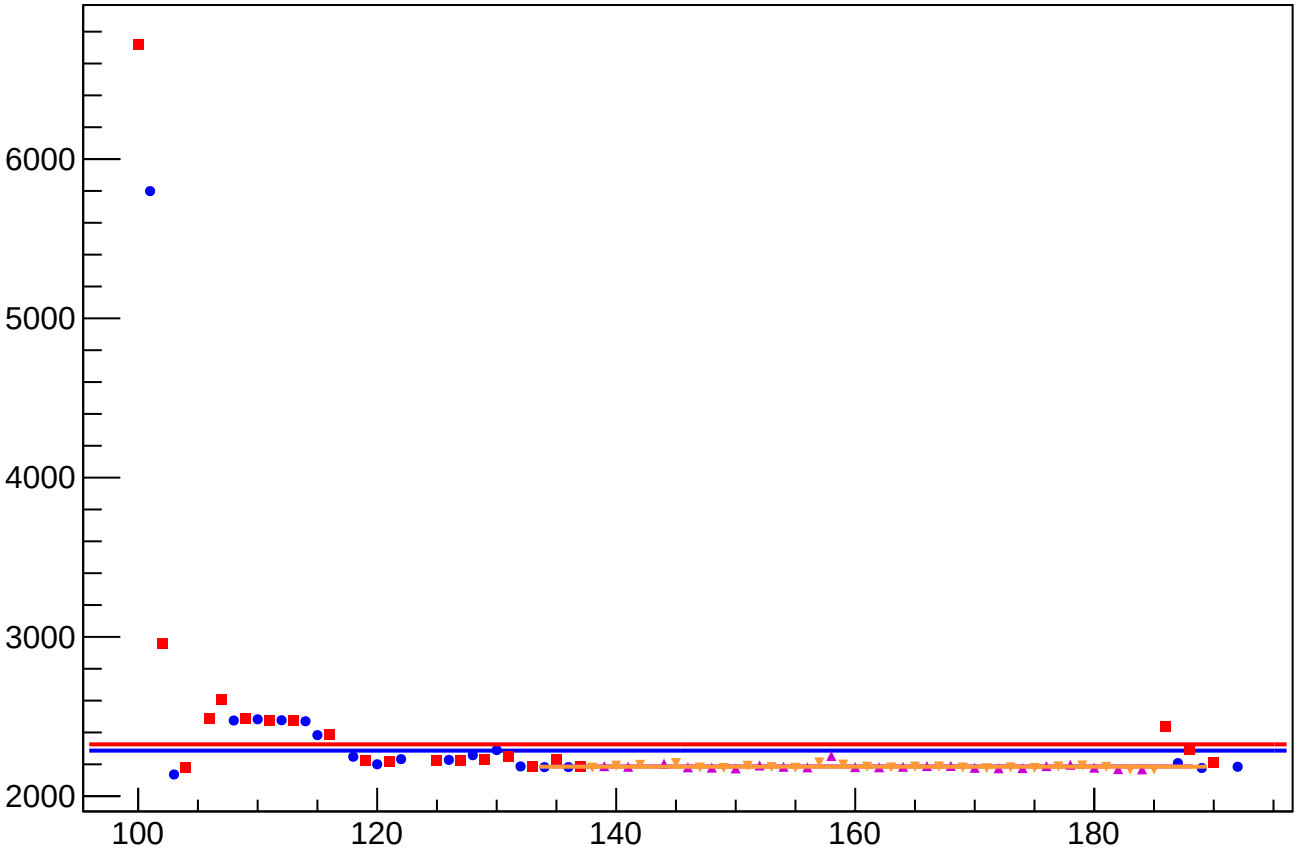
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3844.068+/-424.558 χ^2/NDF: 41.4/42

All: -74.973+/-301.218 χ^2/NDF: 265.3/86

- sign -4047.207+/-427.429 χ^2/NDF: 52.3/43

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2285.937+/-0.549 χ^2/NDF: 521662.5/18

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

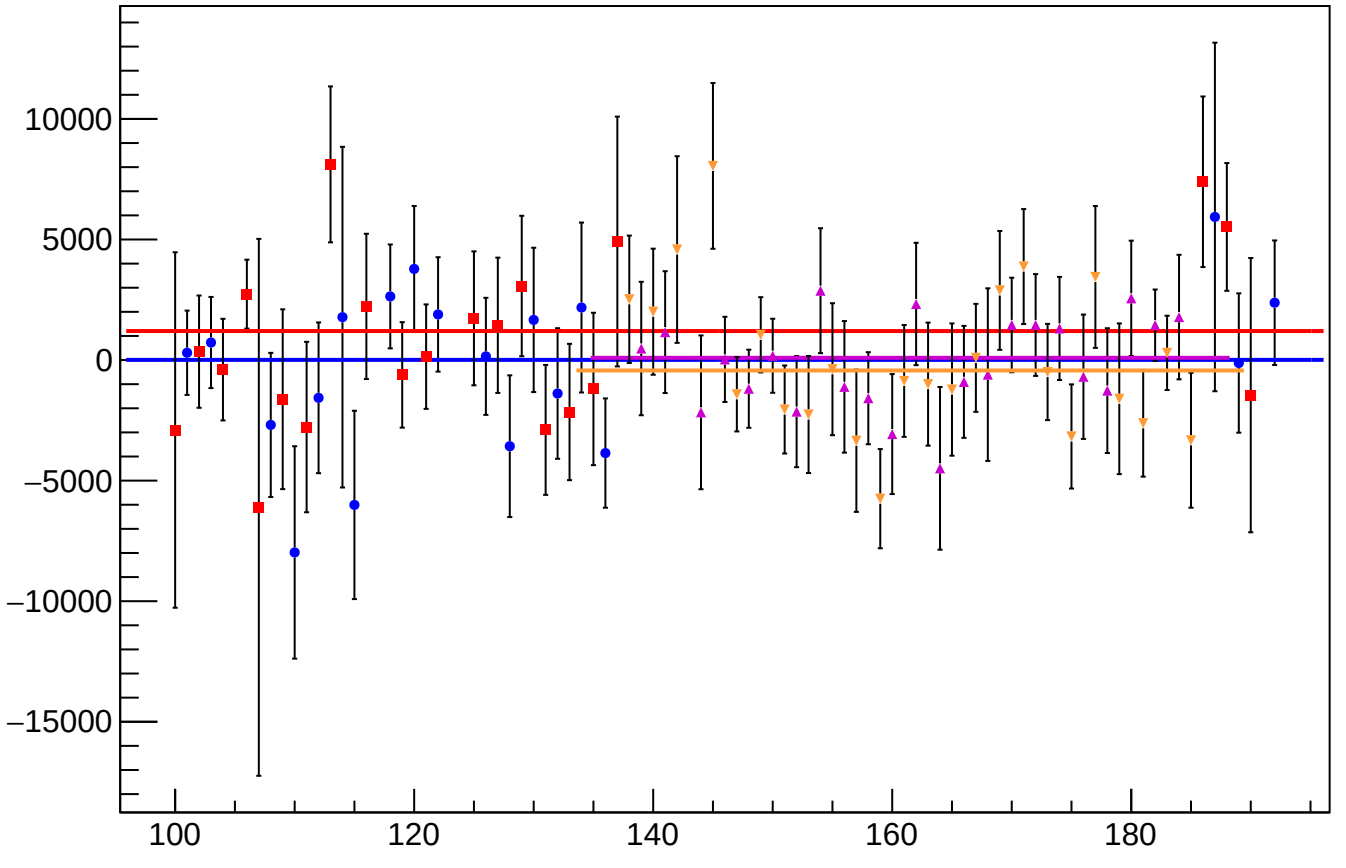
Right Out: 2325.330+/-0.553 χ^2/NDF: 155224.0/20

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.294+/-0.300 χ^2/NDF: 546119.0/42

All: 2221.707+/-0.213 χ^2/NDF: 748409.1/86

- sign 2228.208+/-0.302 χ^2/NDF: 201371.2/43



Right In: 7.851+/-620.615 χ^2/NDF: 18.0/18

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

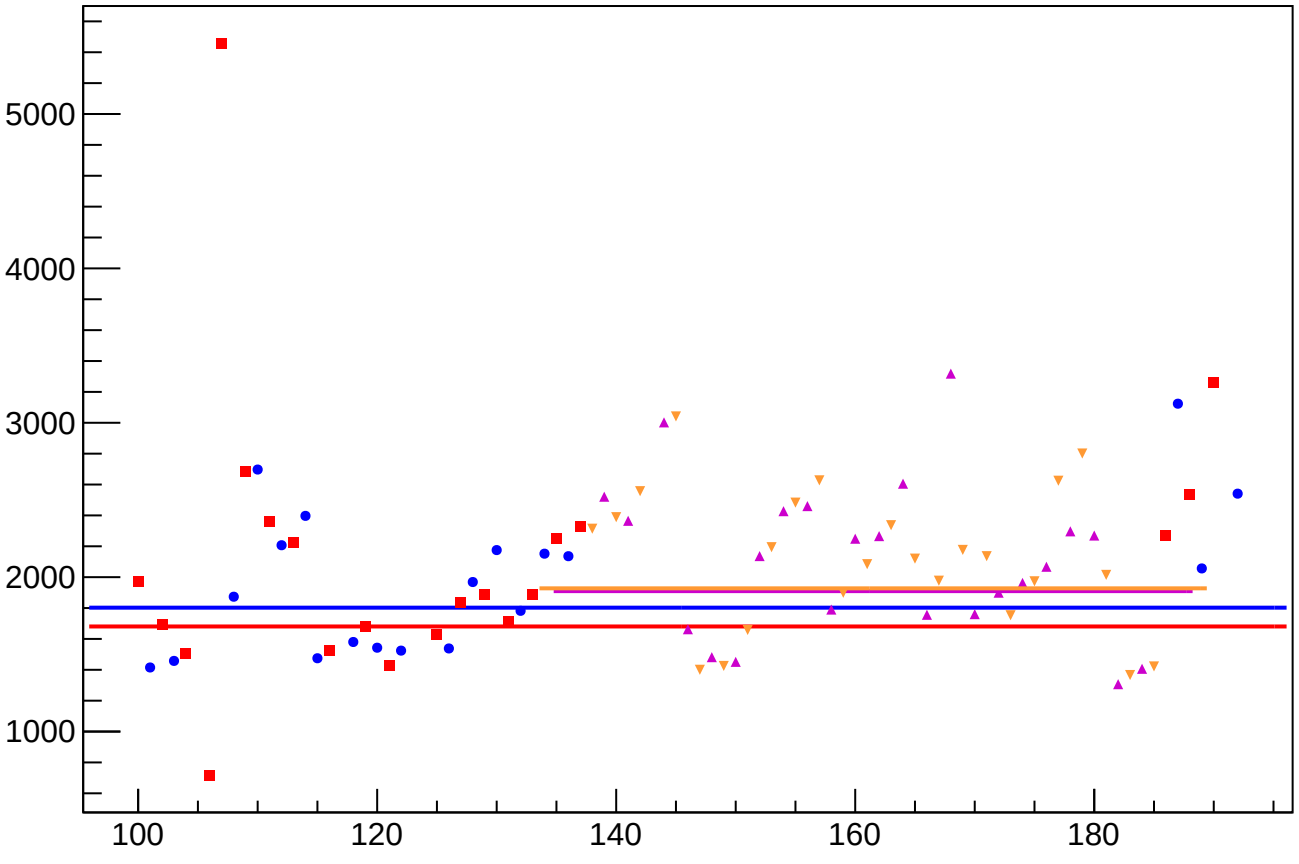
Right Out: 1203.630+/-604.771 χ^2/NDF: 21.3/20

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

\+ sign -275.180+/-370.787 χ^2/NDF: 49.6/42

All: 117.250+/-260.644 χ^2/NDF: 88.0/86

\- sign 500.577+/-366.462 χ^2/NDF: 36.2/43



Right In: 1802.461+/-0.439 χ^2/NDF: 748893.6/18

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

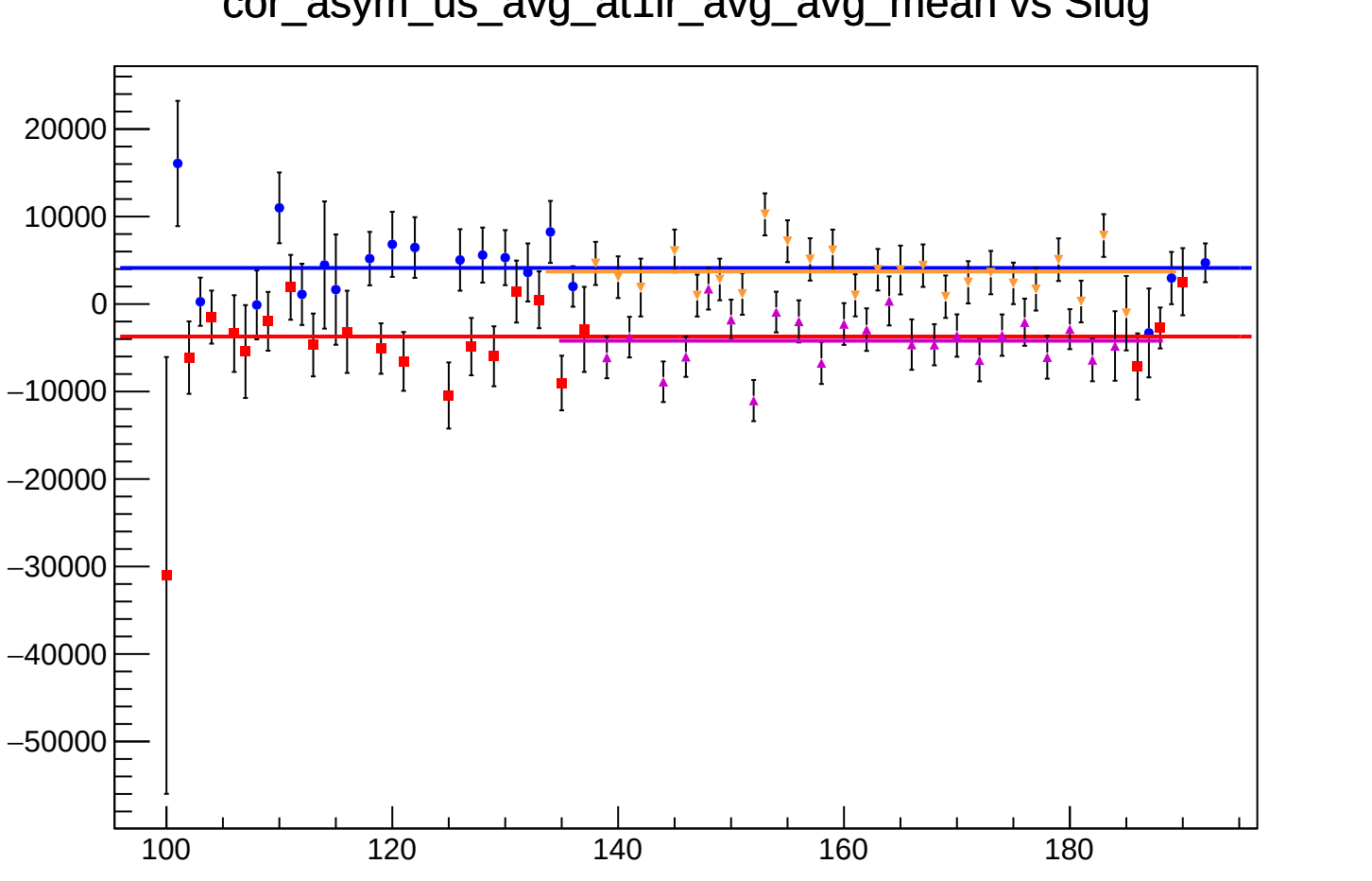
Right Out: 1680.661+/-0.428 χ^2/NDF: 2012905.0/20

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1882.971+/-0.262 χ^2/NDF: 2599616.8/42

All: 1853.922+/-0.184 χ^2/NDF: 6760444.0/86

- sign 1825.546+/-0.259 χ^2/NDF: 4136560.7/43



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

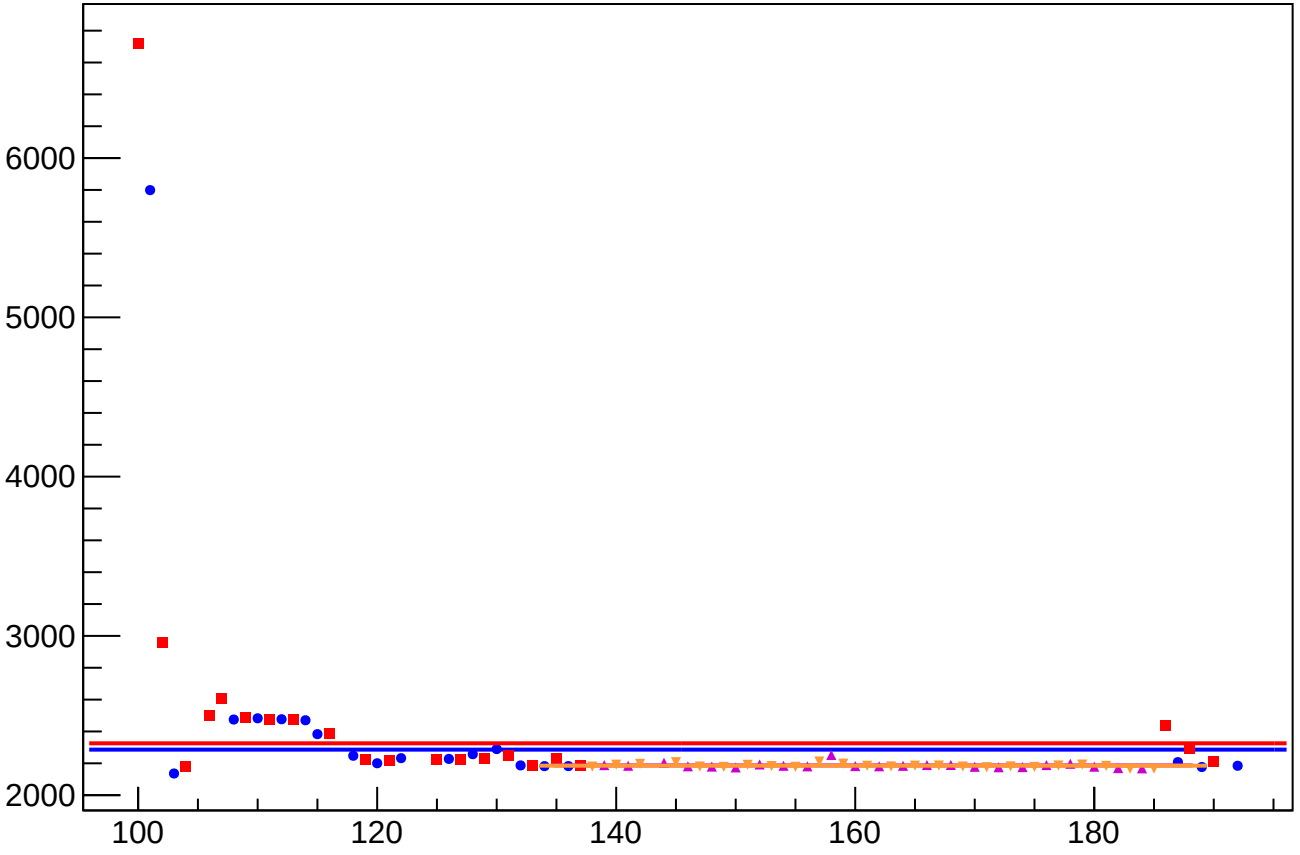
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3843.880+/-424.558 χ^2/NDF: 41.4/42

All: -77.117+/-301.224 χ^2/NDF: 265.4/86

- sign -4051.664+/-427.447 χ^2/NDF: 52.3/43

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2285.937+/-0.549 χ^2/NDF: 521662.9/18

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

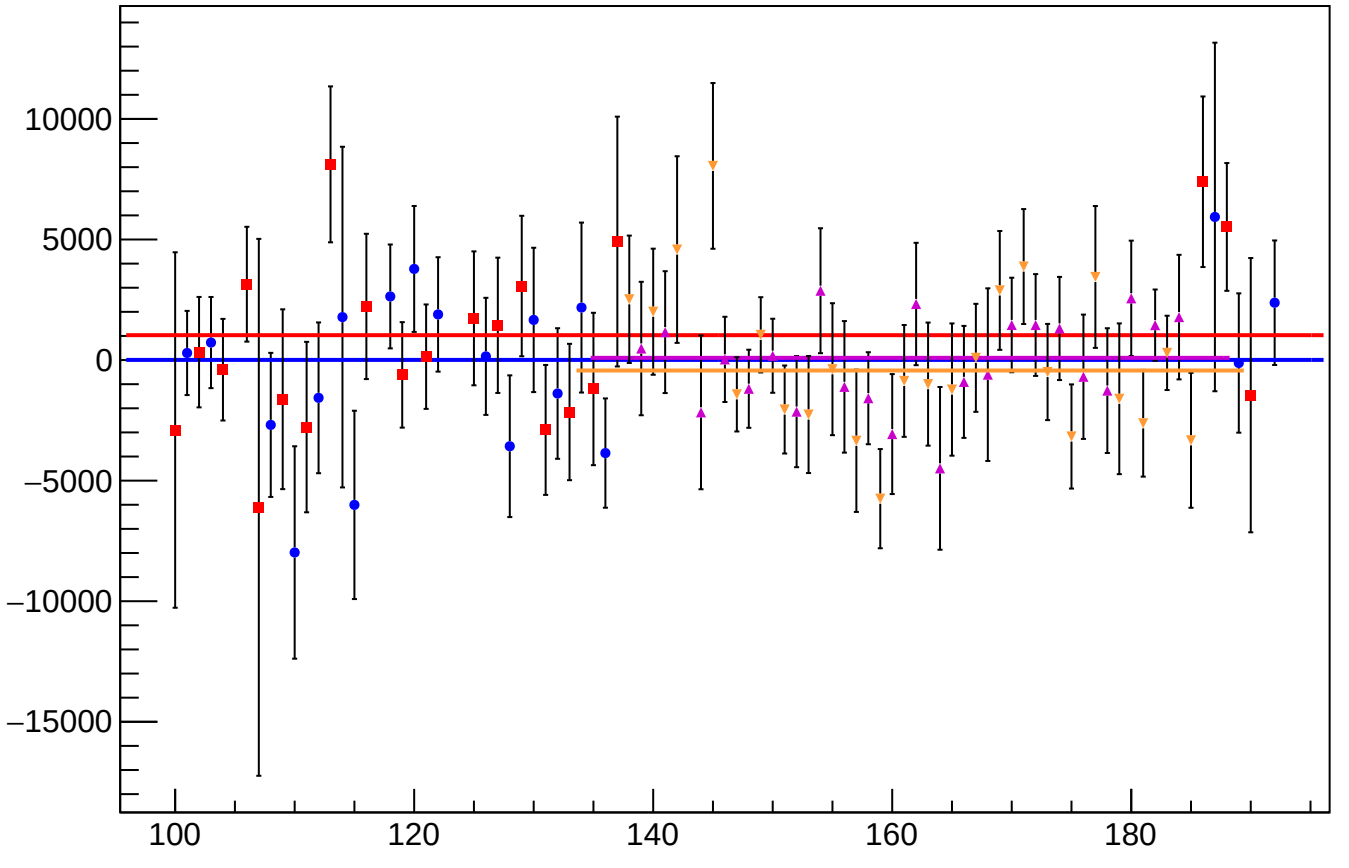
Right Out: 2325.626+/-0.553 χ^2/NDF: 155579.6/20

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.294+/-0.300 χ^2/NDF: 546119.4/42

All: 2221.747+/-0.213 χ^2/NDF: 748956.3/86

- sign 2228.288+/-0.302 χ^2/NDF: 201906.5/43



Right In: 6.825+/-620.507 χ^2/NDF: 18.0/18

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

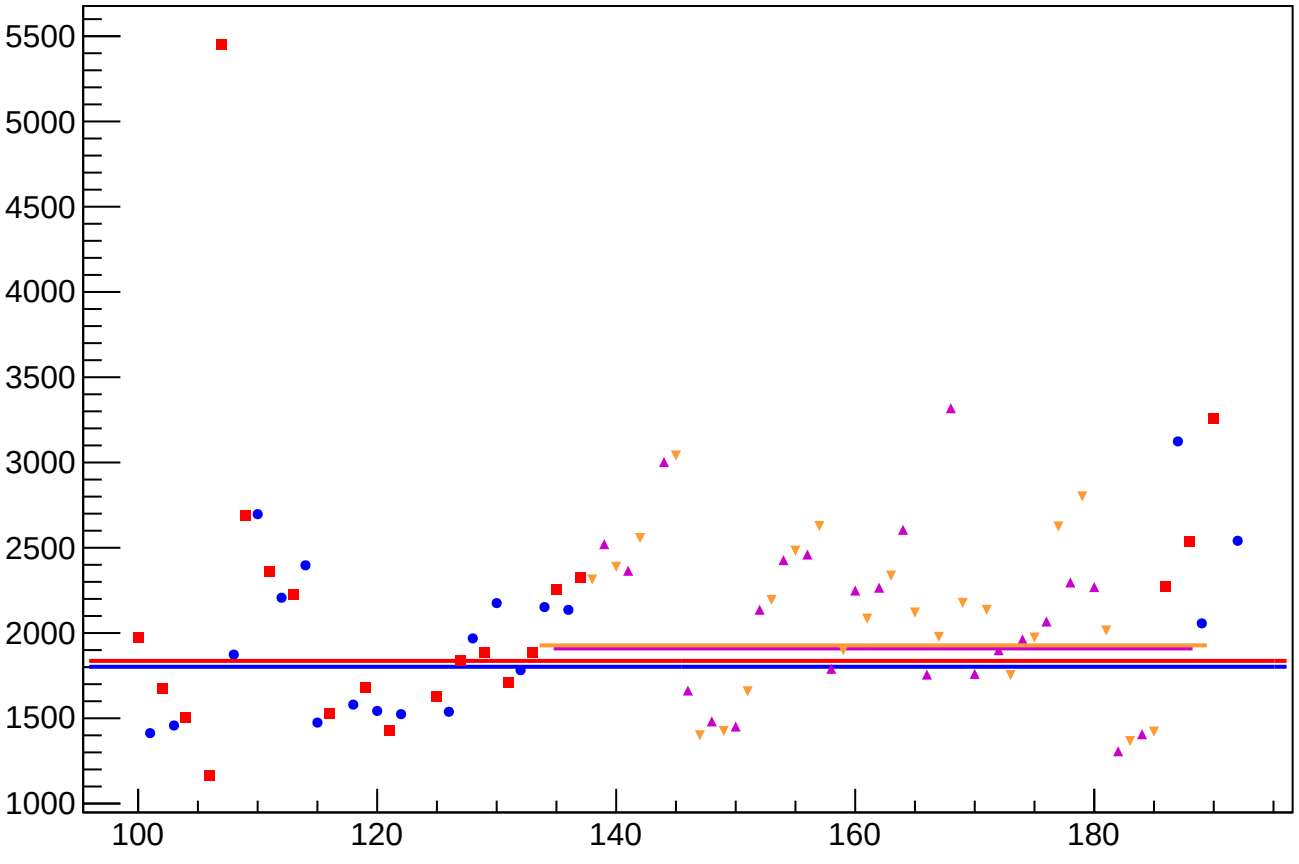
Right Out: 1032.281+/-641.847 χ^2/NDF: 20.7/20

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -275.533+/-370.764 χ^2/NDF: 49.6/42

All: 65.056+/-263.395 χ^2/NDF: 86.3/86

- sign 412.085+/-374.253 χ^2/NDF: 34.9/43



Right In: 1802.090+/-0.439 χ^2/NDF: 750129.1/18

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

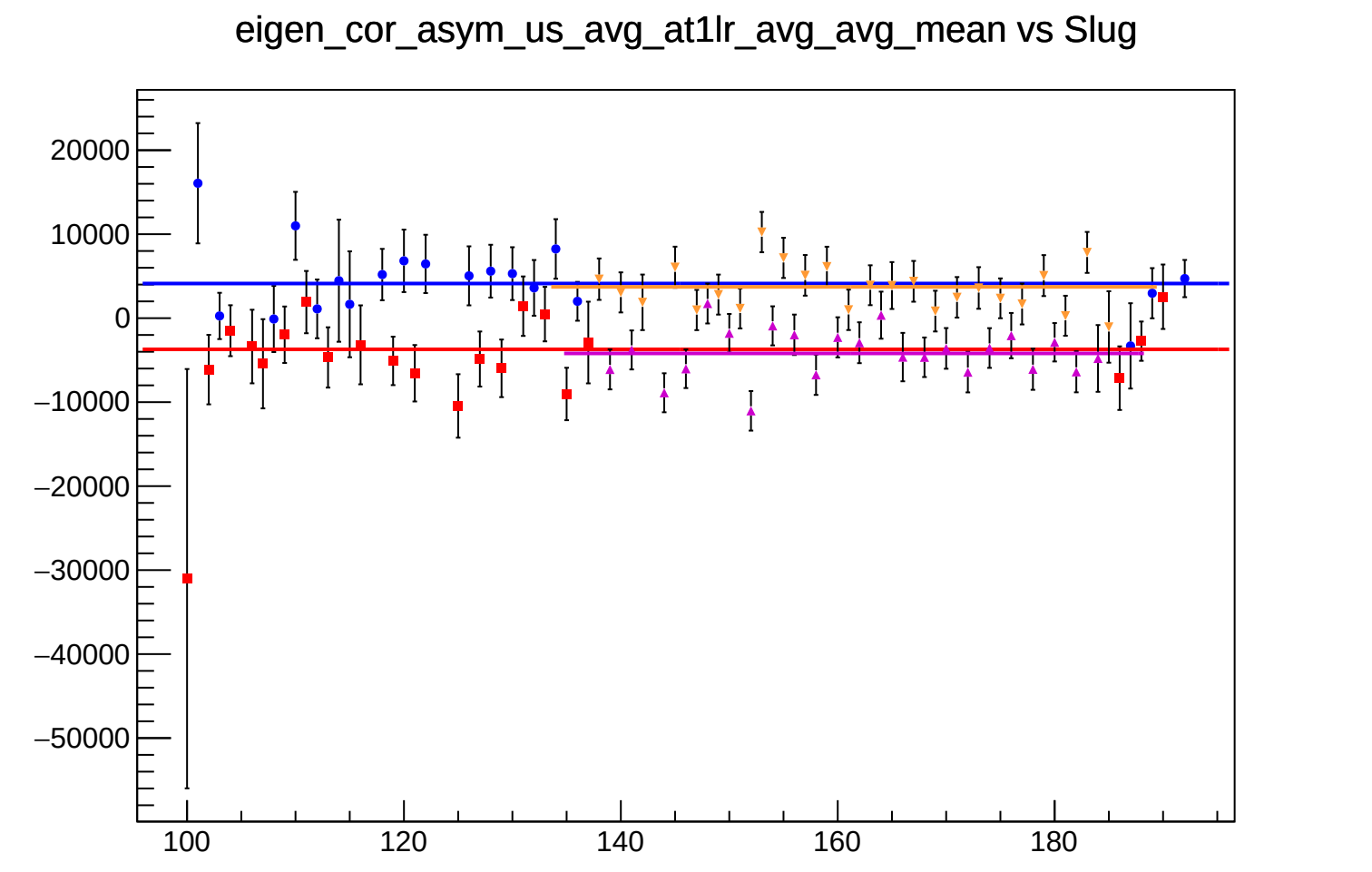
Right Out: 1836.587+/-0.454 χ^2/NDF: 1075120.7/20

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1882.827+/-0.262 χ^2/NDF: 2601198.2/42

All: 1883.798+/-0.186 χ^2/NDF: 5635722.8/86

- sign 1884.788+/-0.265 χ^2/NDF: 3034496.9/43



Right In: 4125.992+/-776.165 χ^2/NDF: 15.8/18

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

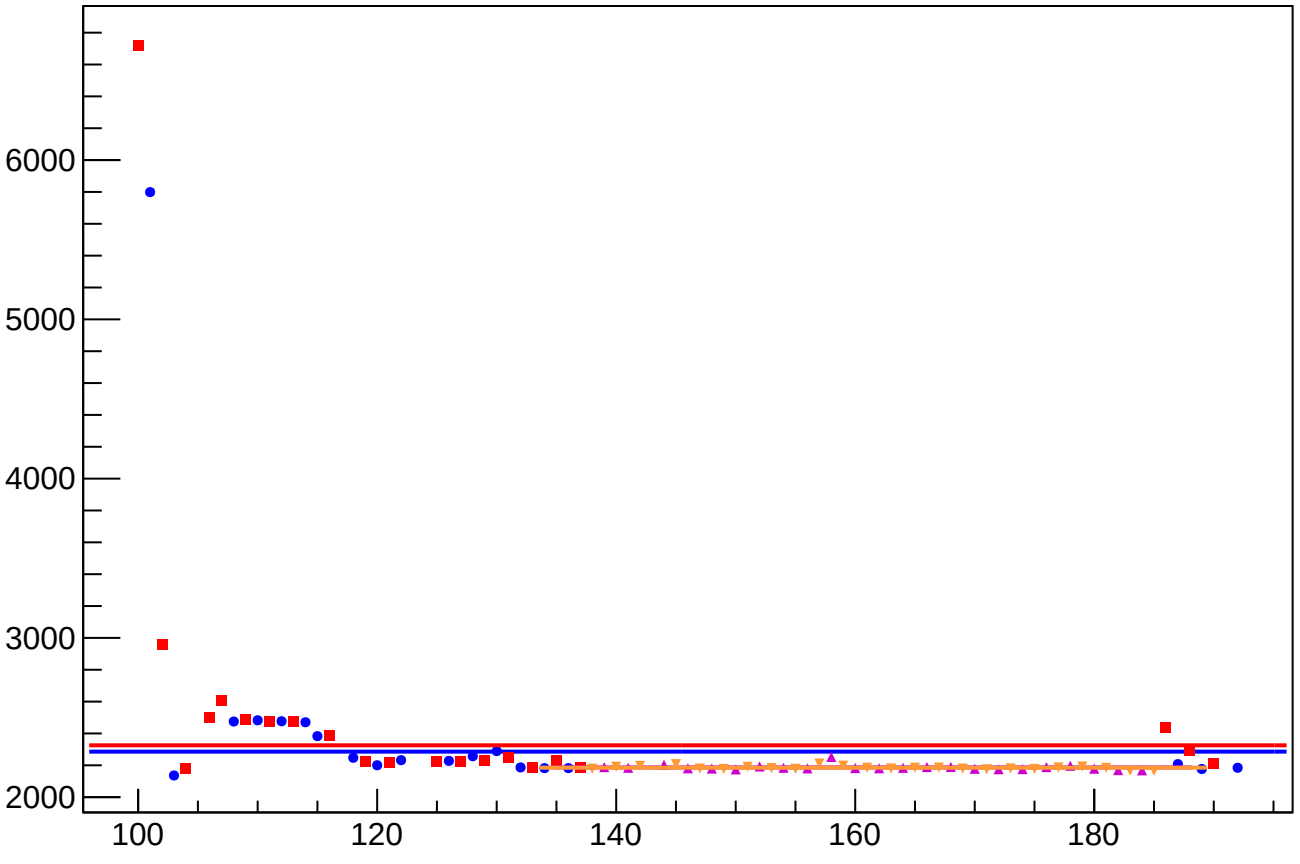
Right Out: -3713.331+/-781.549 χ^2/NDF: 19.9/20

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3843.880+/-424.558 χ^2/NDF: 41.4/42

All: -77.117+/-301.224 χ^2/NDF: 265.4/86

- sign -4051.664+/-427.447 χ^2/NDF: 52.3/43



Right In: 2285.937+/-0.549 χ^2/NDF: 521662.9/18

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

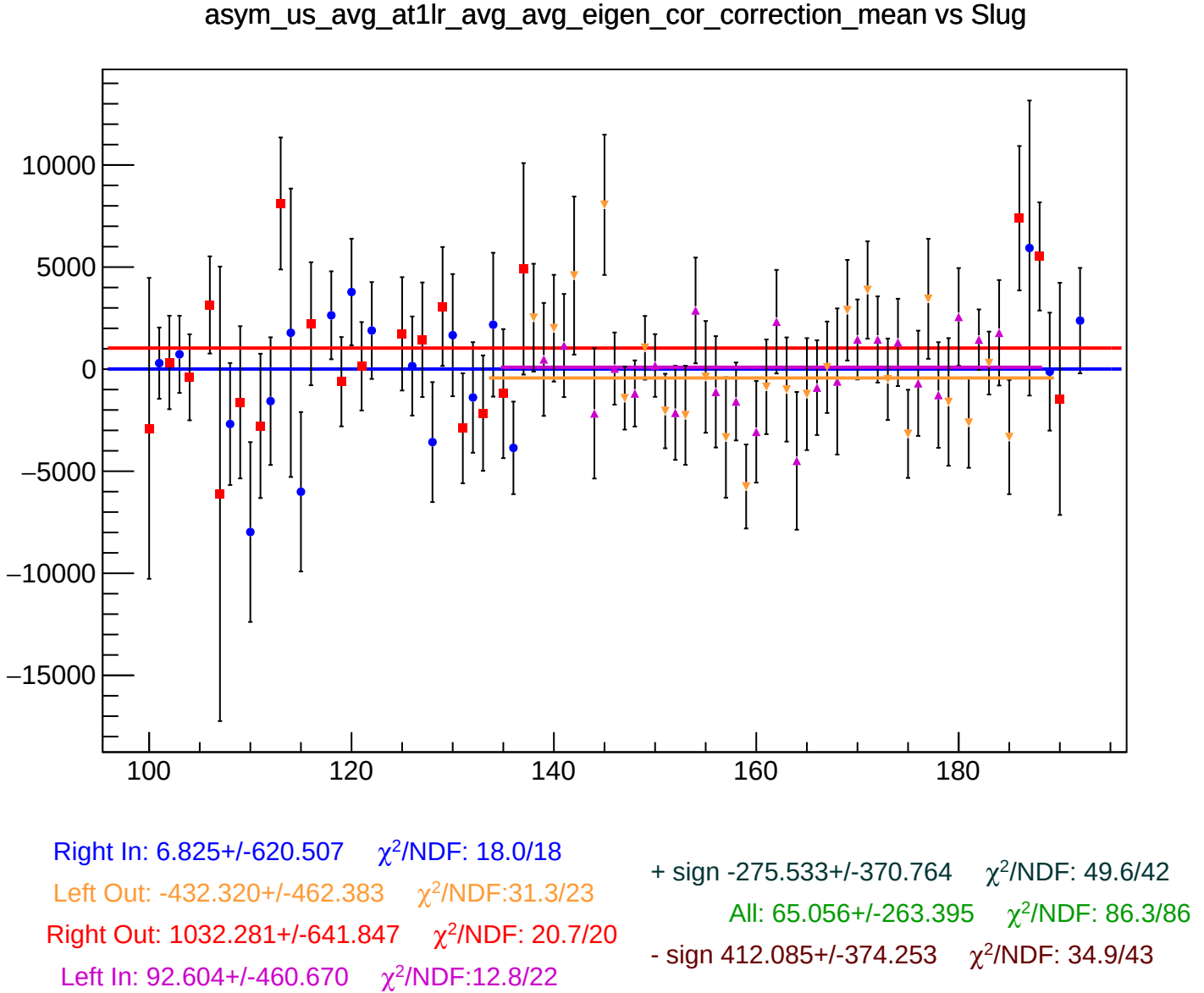
Right Out: 2325.626+/-0.553 χ^2/NDF: 155579.6/20

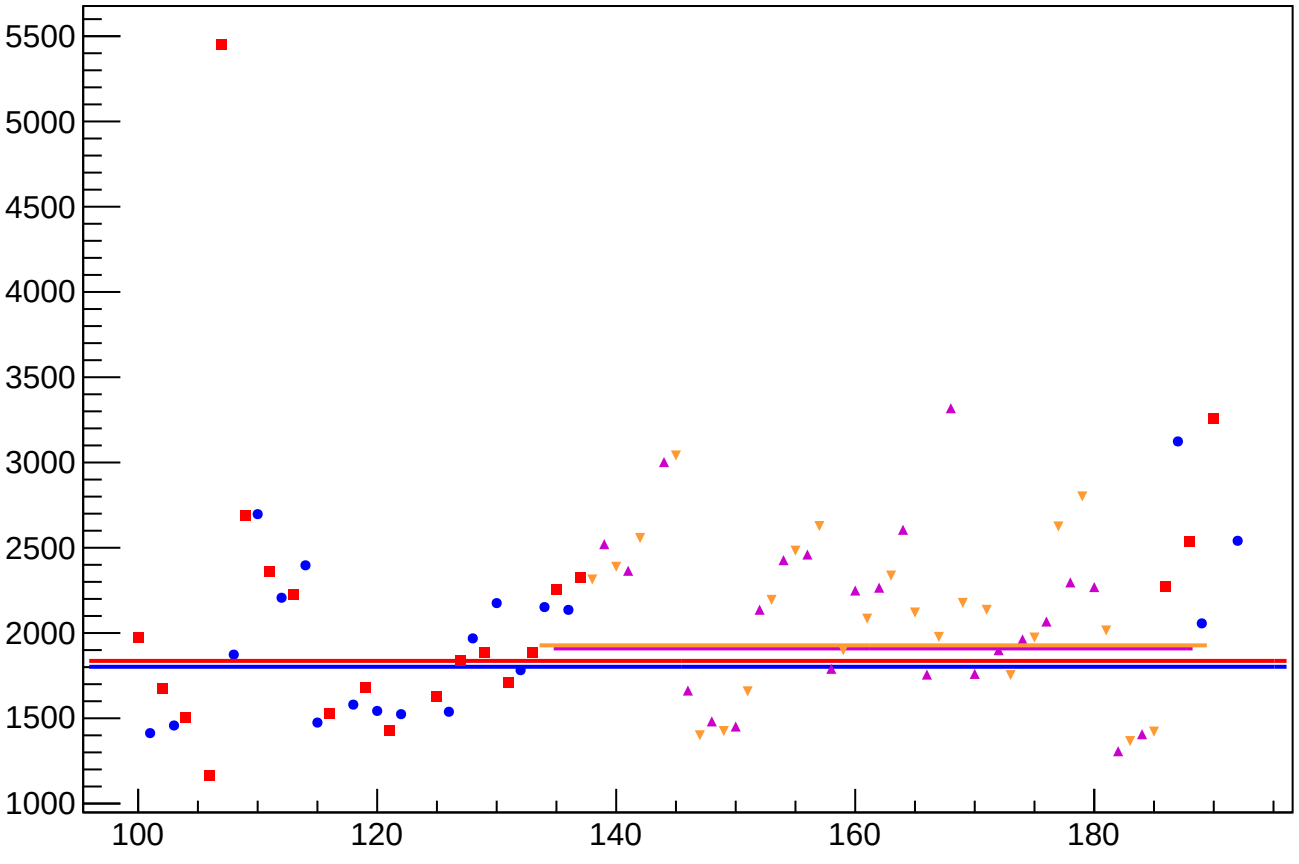
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.294+/-0.300 χ^2/NDF: 546119.4/42

All: 2221.747+/-0.213 χ^2/NDF: 748956.3/86

- sign 2228.288+/-0.302 χ^2/NDF: 201906.5/43


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
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
+ sign -275.533+/-370.764 χ²/NDF: 49.6/42
All: 65.056+/-263.395 χ²/NDF: 86.3/86
- sign 412.085+/-374.253 χ²/NDF: 34.9/43



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

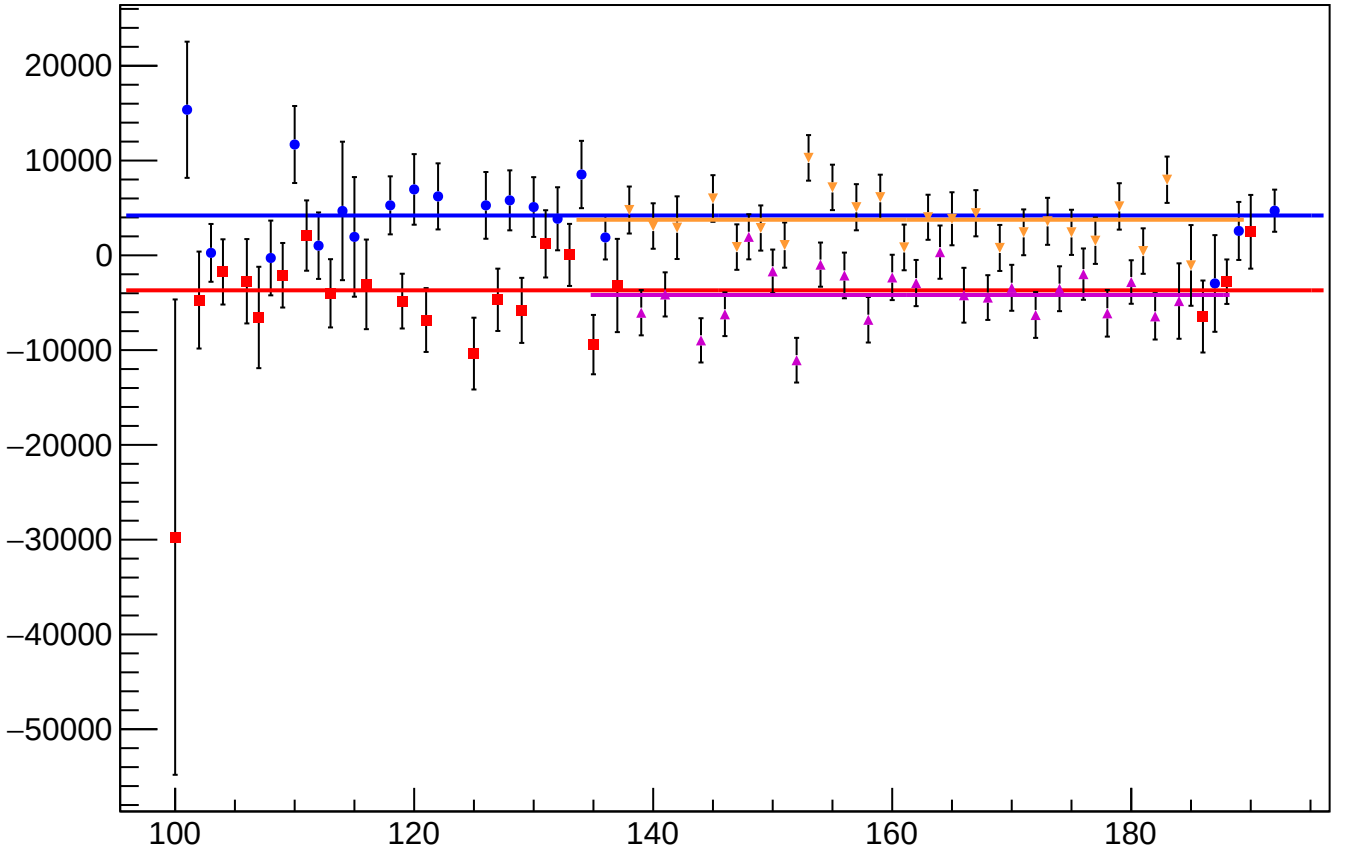
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1882.827+/-0.262 χ^2/NDF: 2601198.2/42

All: 1883.798+/-0.186 χ^2/NDF: 5635722.8/86

- sign 1884.788+/-0.265 χ^2/NDF: 3034496.9/43

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



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

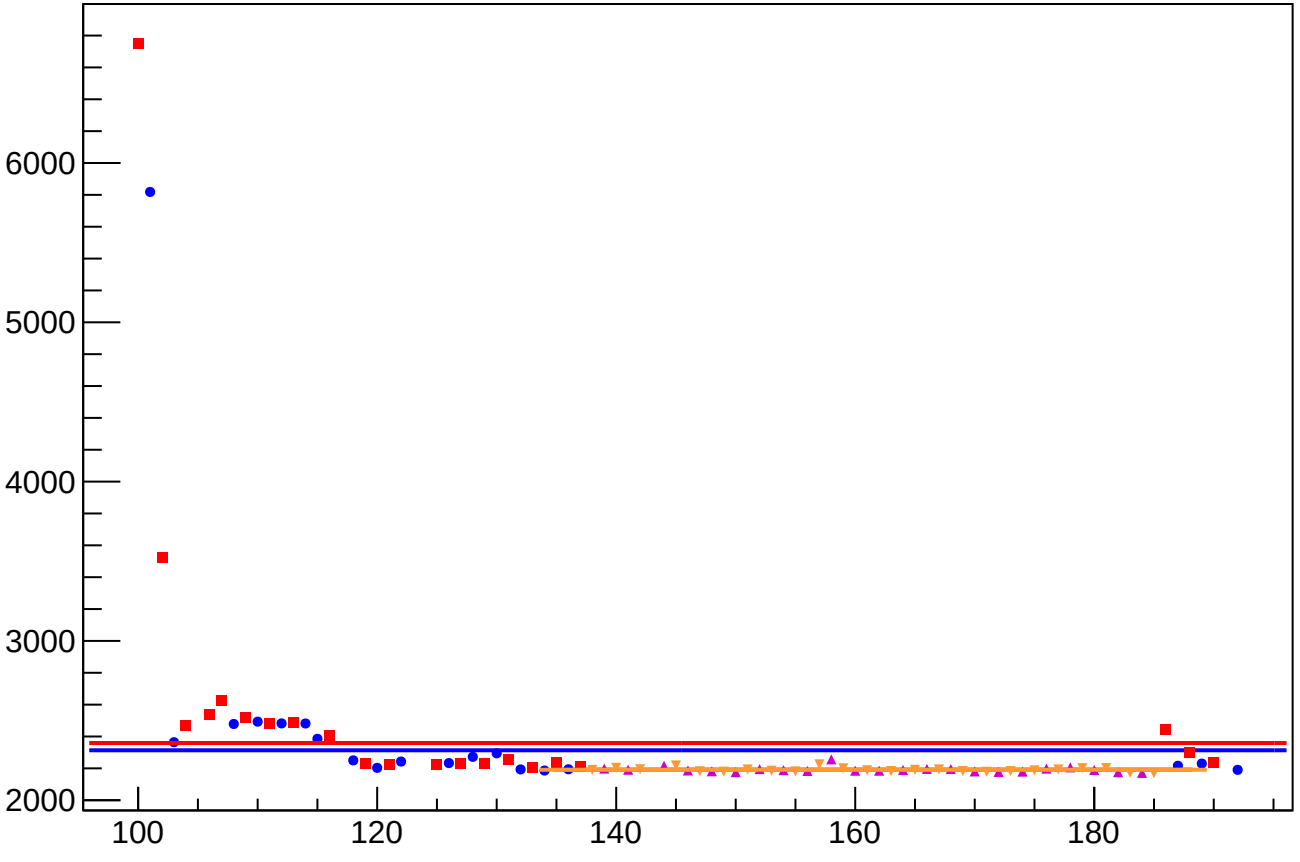
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3886.876+/-426.887 χ^2/NDF: 41.9/42

All: -43.078+/-303.135 χ^2/NDF: 264.5/86

- sign -4040.461+/-430.533 χ^2/NDF: 51.7/43

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.467+/-0.555 χ^2/NDF: 513395.1/18

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

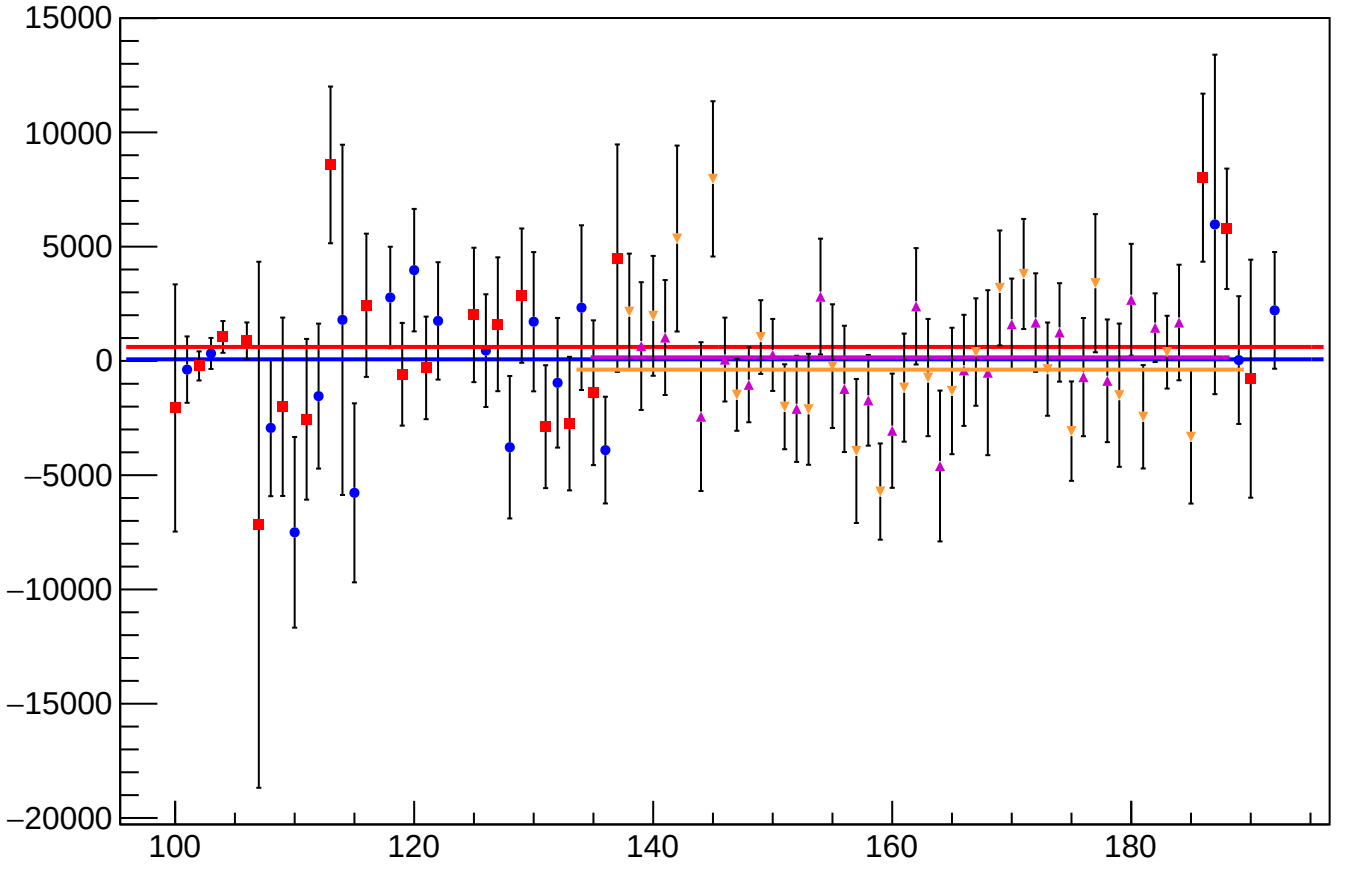
Right Out: 2359.150+/-0.563 χ^2/NDF: 214656.7/20

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2227.283+/-0.302 χ^2/NDF: 548804.7/42

All: 2234.103+/-0.214 χ^2/NDF: 829012.7/86

- sign 2241.040+/-0.304 χ^2/NDF: 279178.4/43



Right In: 70.138+/-469.070 χ^2/NDF: 17.7/18

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

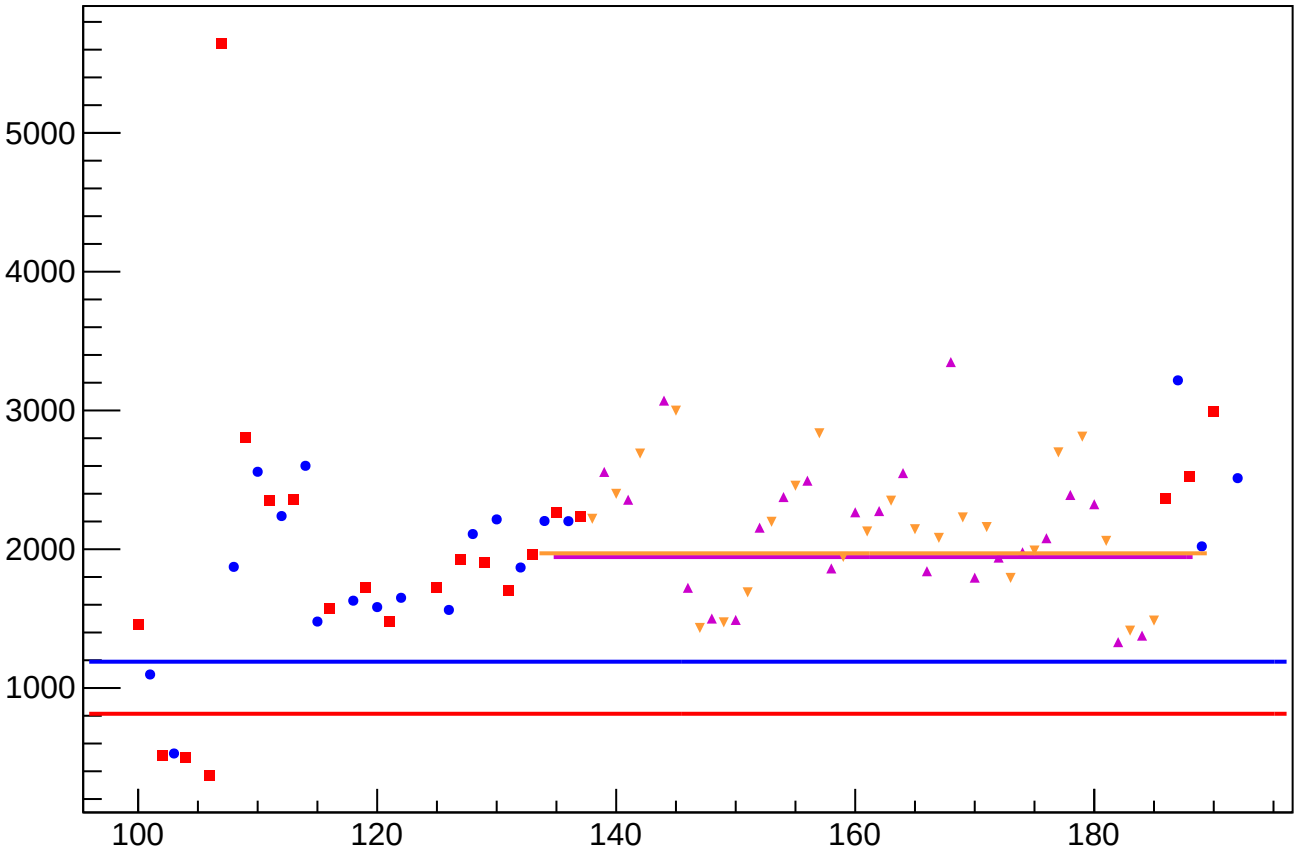
Right Out: 611.535+/-356.641 χ^2/NDF: 23.3/20

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -154.020+/-332.532 χ^2/NDF: 48.9/42

All: 191.909+/-215.810 χ^2/NDF: 87.5/86

- sign 443.634+/-283.663 χ^2/NDF: 36.7/43



Right In: 1189.610+/-0.332 χ^2/NDF: 4665029.5/18

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

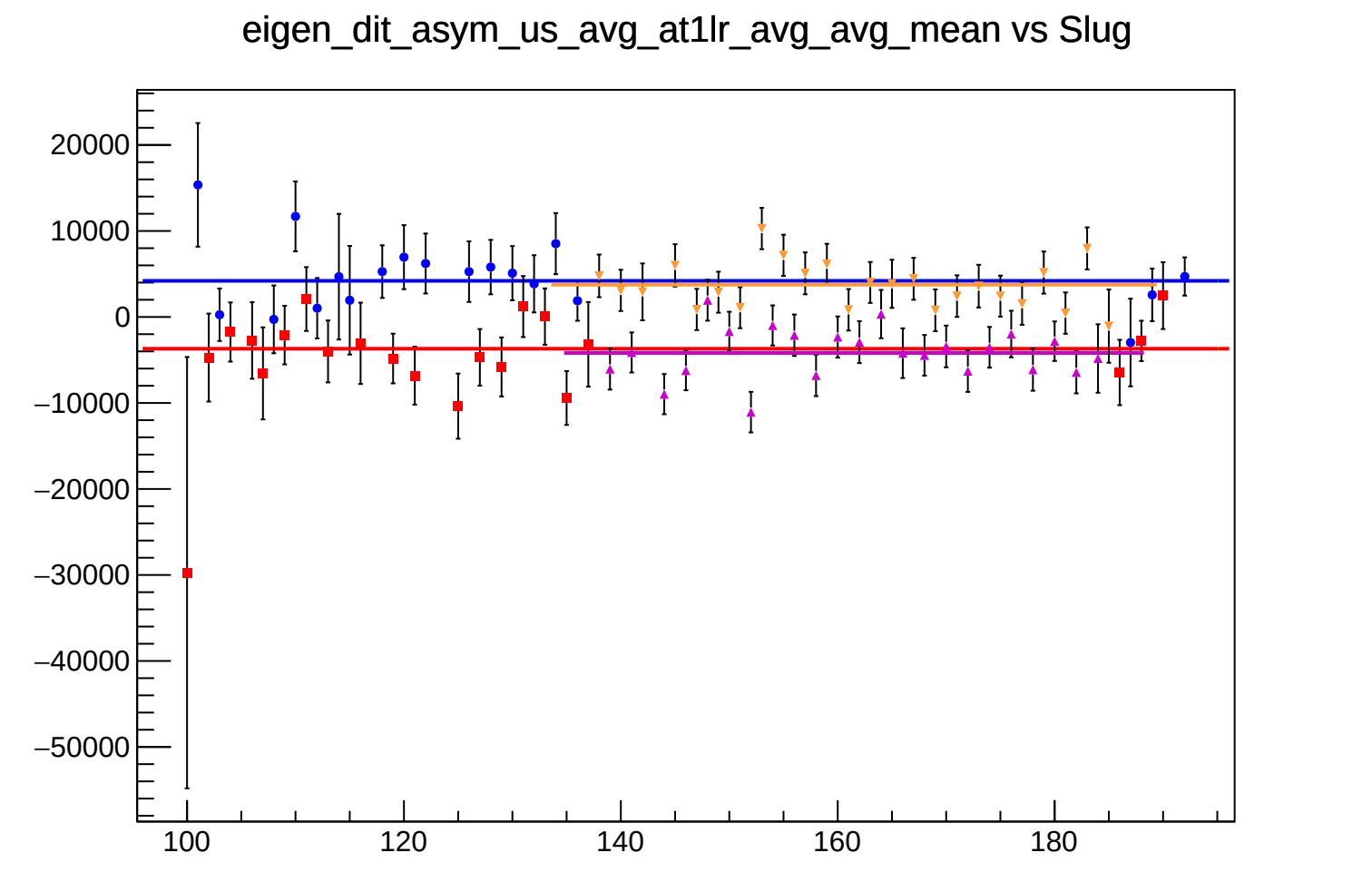
Right Out: 814.363+/-0.252 χ^2/NDF: 7197576.0/20

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1578.130+/-0.235 χ^2/NDF: 9120015.4/42

All: 1376.184+/-0.153 χ^2/NDF: 26841629.8/8

- sign 1229.232+/-0.201 χ^2/NDF: 16447234.6/43



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

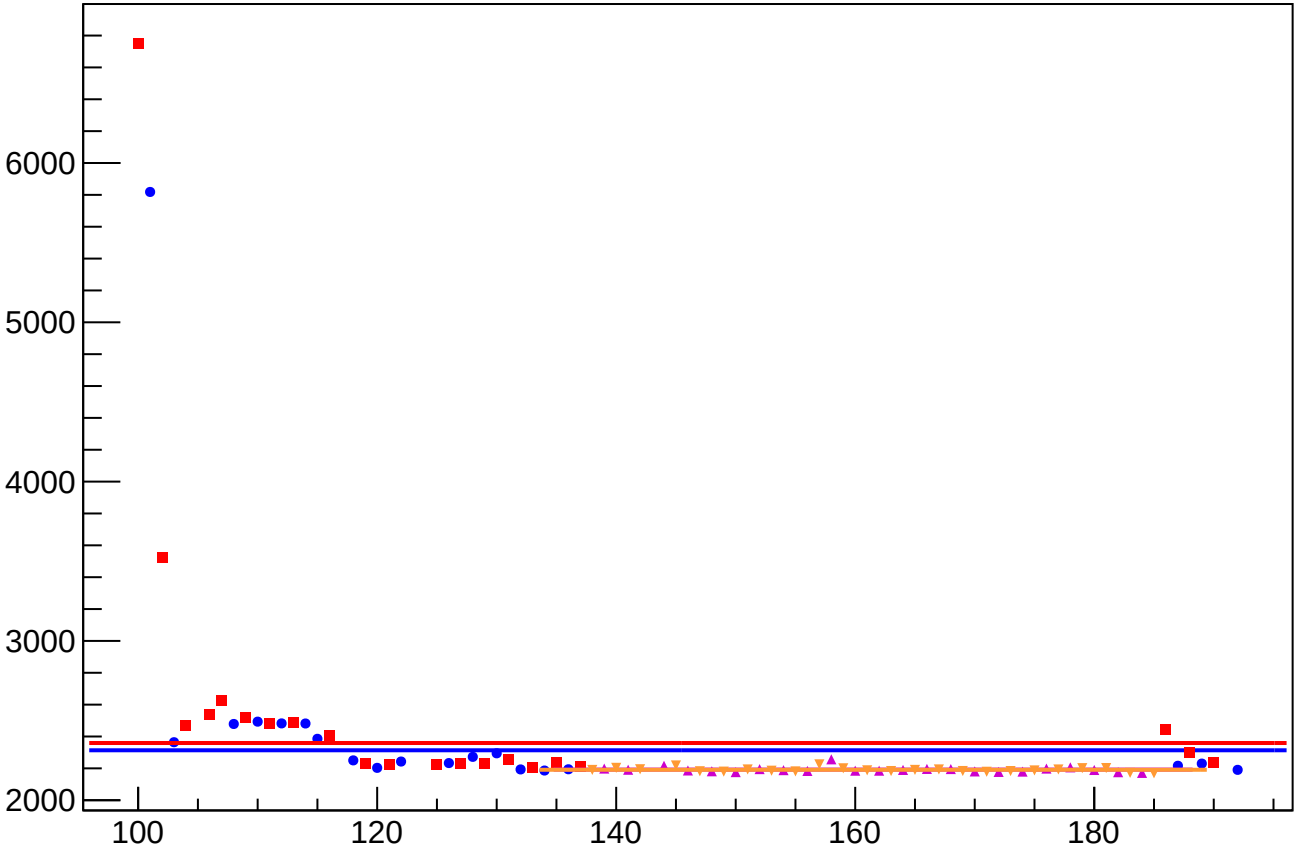
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3886.874+/-426.886 χ^2/NDF: 41.9/42

All: -43.078+/-303.135 χ^2/NDF: 264.5/86

- sign -4040.460+/-430.533 χ^2/NDF: 51.7/43

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2313.467+/-0.555 χ^2/NDF: 513395.1/18

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

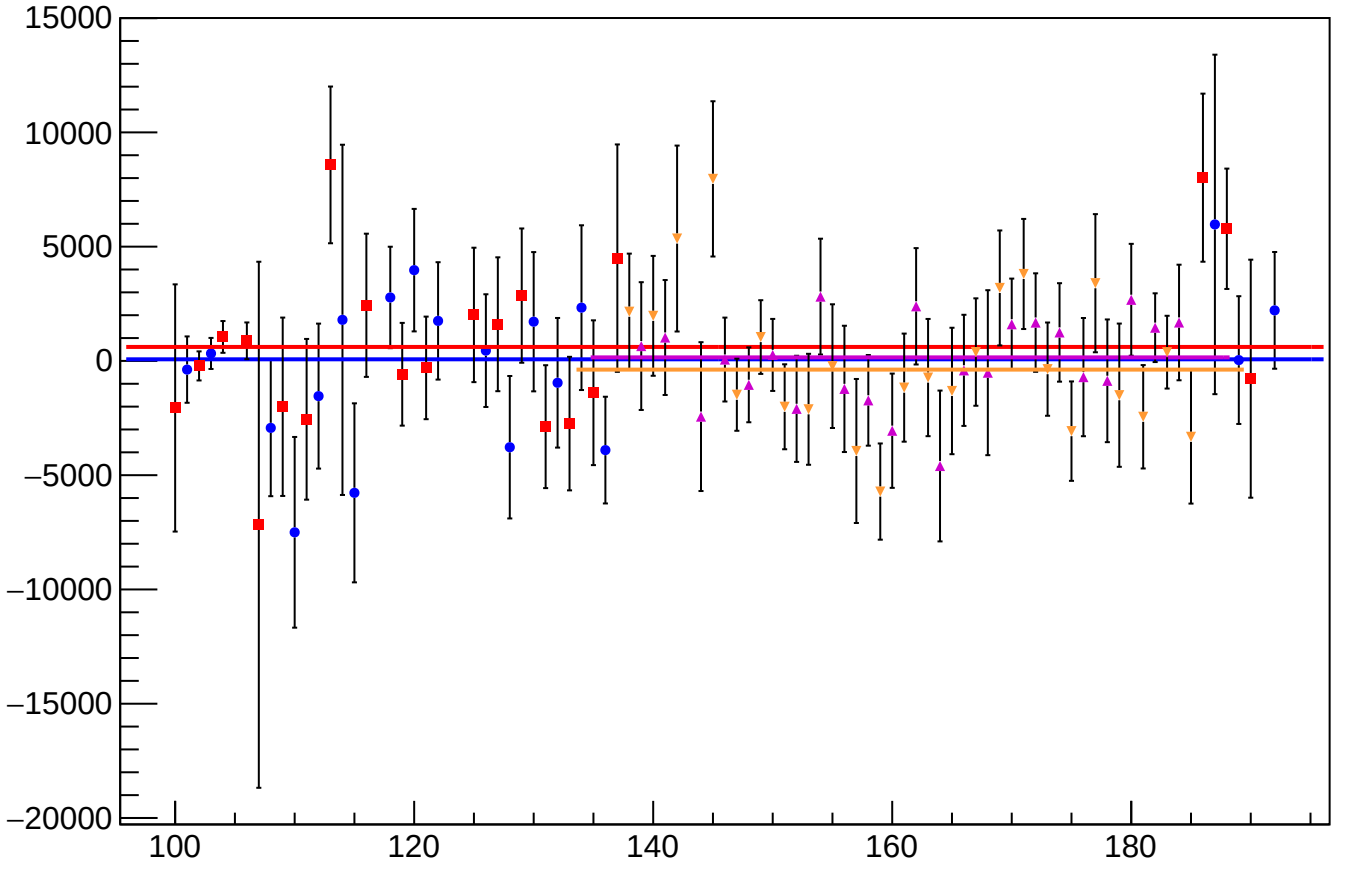
Right Out: 2359.149+/-0.563 χ^2/NDF: 214655.7/20

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2227.283+/-0.302 χ^2/NDF: 548804.4/42

All: 2234.103+/-0.214 χ^2/NDF: 829011.0/86

- sign 2241.039+/-0.304 χ^2/NDF: 279177.0/43



Right In: 70.133+/-469.072 χ^2/NDF: 17.7/18

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

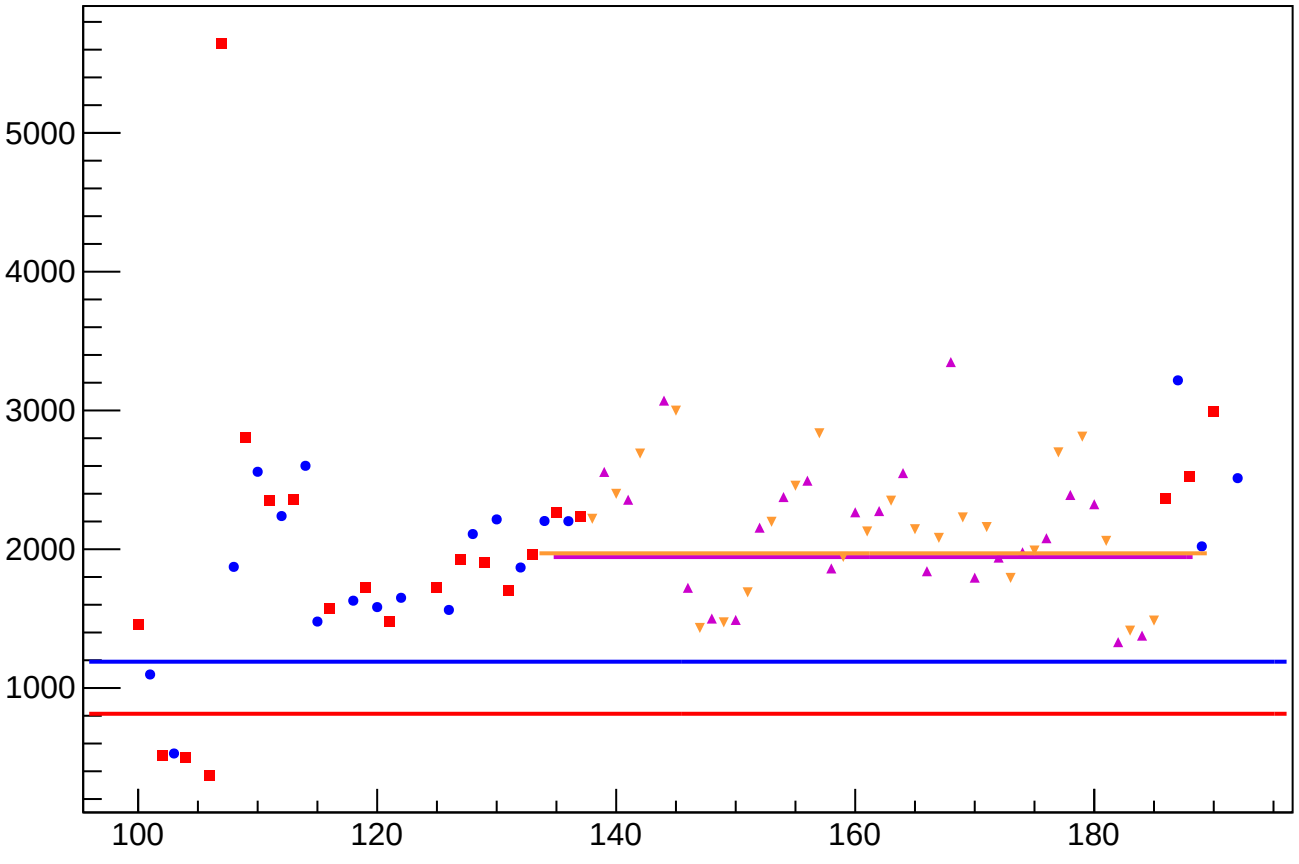
Right Out: 611.542+/-356.646 χ^2/NDF: 23.3/20

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

\+ sign -154.025+/-332.533 χ^2/NDF: 48.9/42

All: 191.906+/-215.811 χ^2/NDF: 87.5/86

\- sign 443.636+/-283.666 χ^2/NDF: 36.7/43



Right In: 1189.620+/-0.332 χ^2/NDF: 4664941.1/18

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

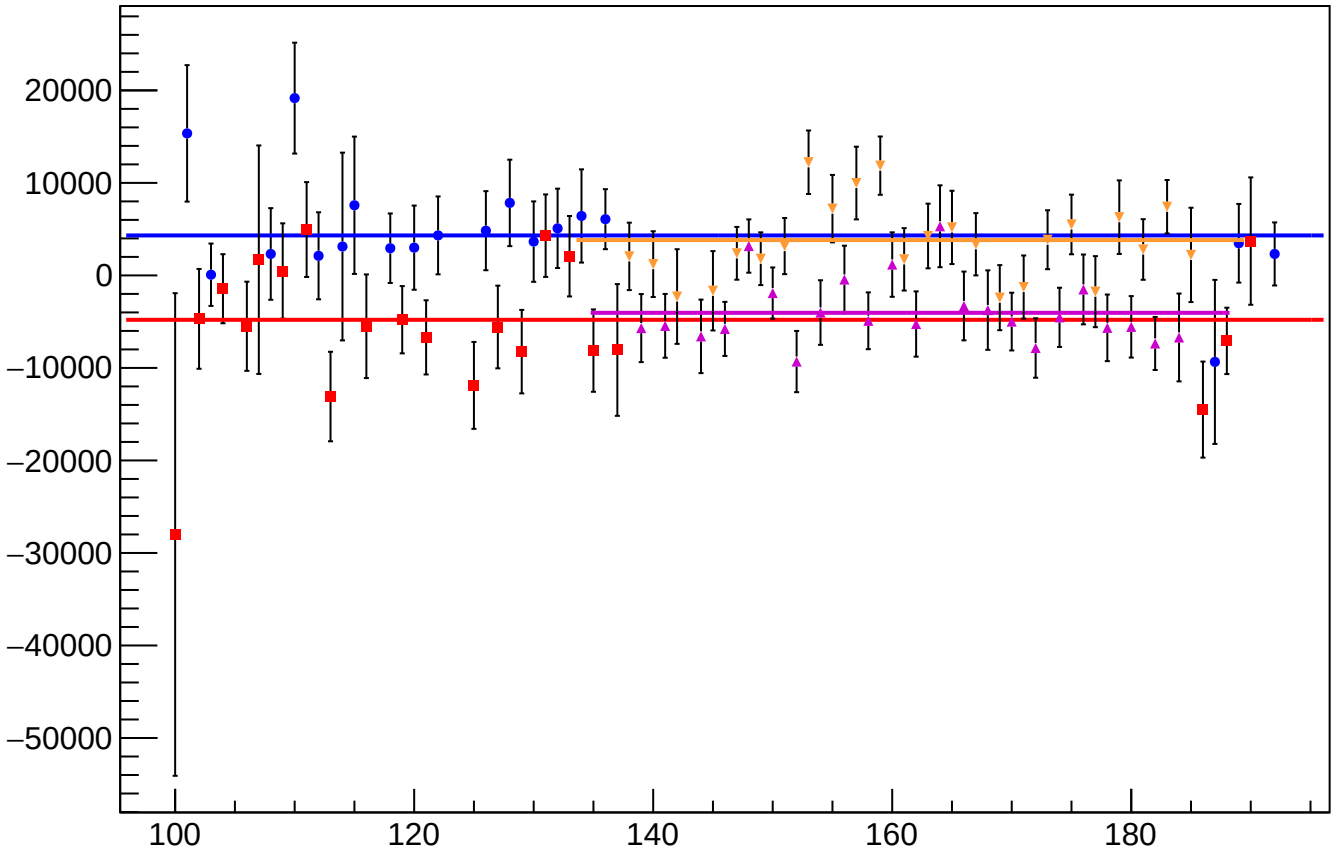
Right Out: 814.379+/-0.252 χ^2/NDF: 7197431.9/20

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1578.138+/-0.235 χ^2/NDF: 9119862.6/42

All: 1376.198+/-0.153 χ^2/NDF: 26841001.8/8

- sign 1229.249+/-0.201 χ^2/NDF: 16446840.2/43



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

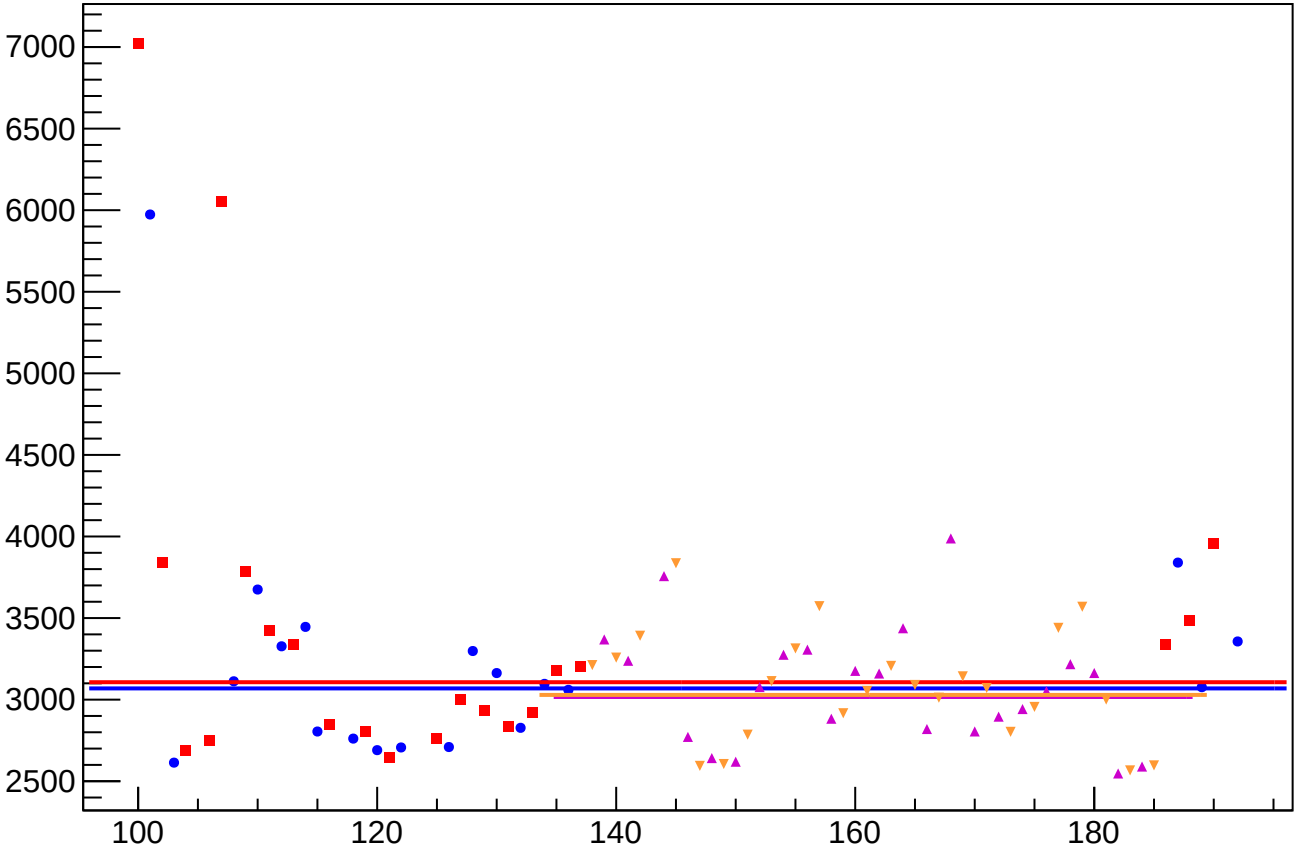
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 3976.697+/-585.867 χ^2/NDF: 45.7/42

All: -130.592+/-415.270 χ^2/NDF: 192.8/86

- sign -4277.752+/-588.703 χ^2/NDF: 48.3/43

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3068.785+/-0.737 χ^2/NDF: 476321.2/18

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

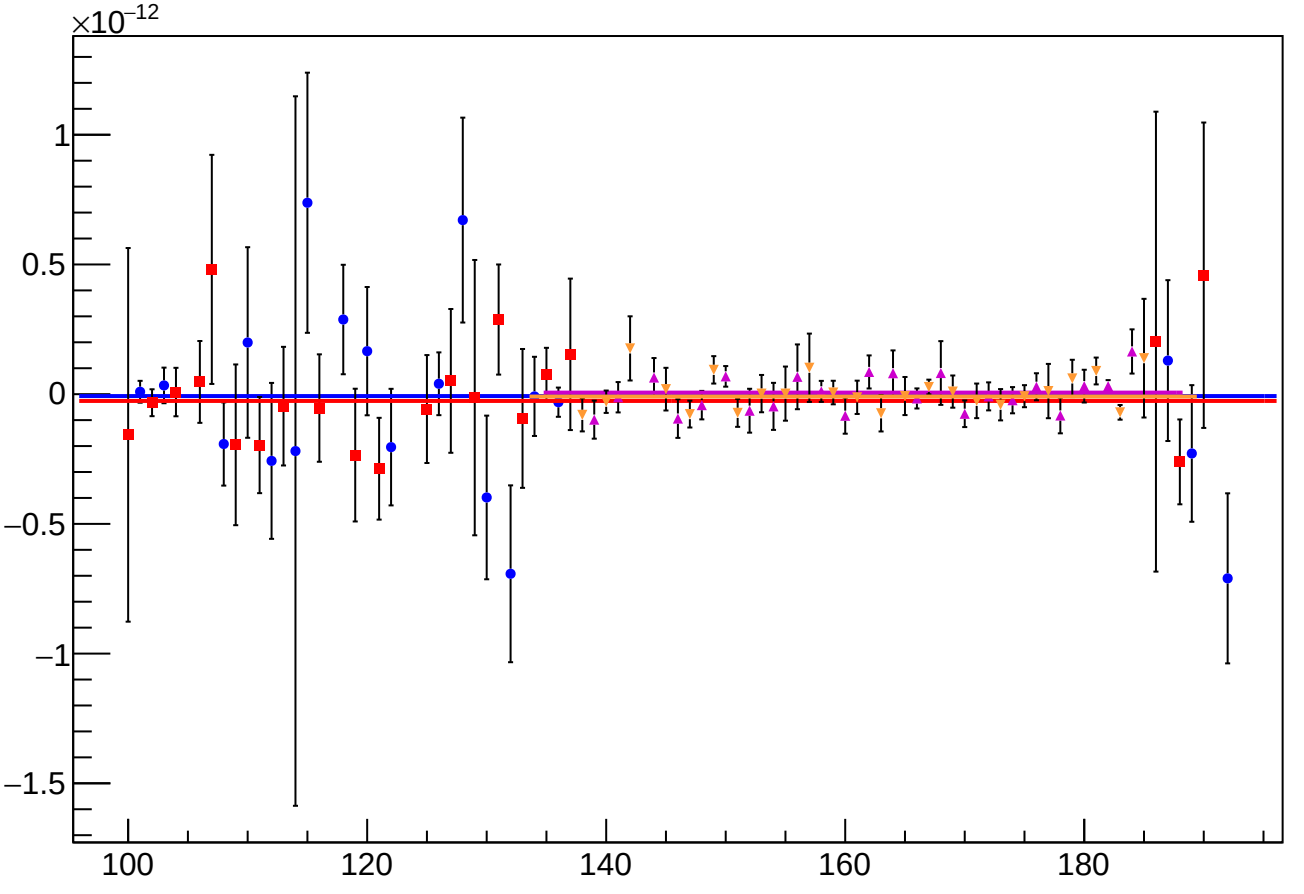
Right Out: 3106.816+/-0.746 χ^2/NDF: 407068.0/20

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3041.555+/-0.414 χ^2/NDF: 875427.1/42

All: 3043.009+/-0.294 χ^2/NDF: 1732571.9/86

- sign 3044.478+/-0.416 χ^2/NDF: 857120.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

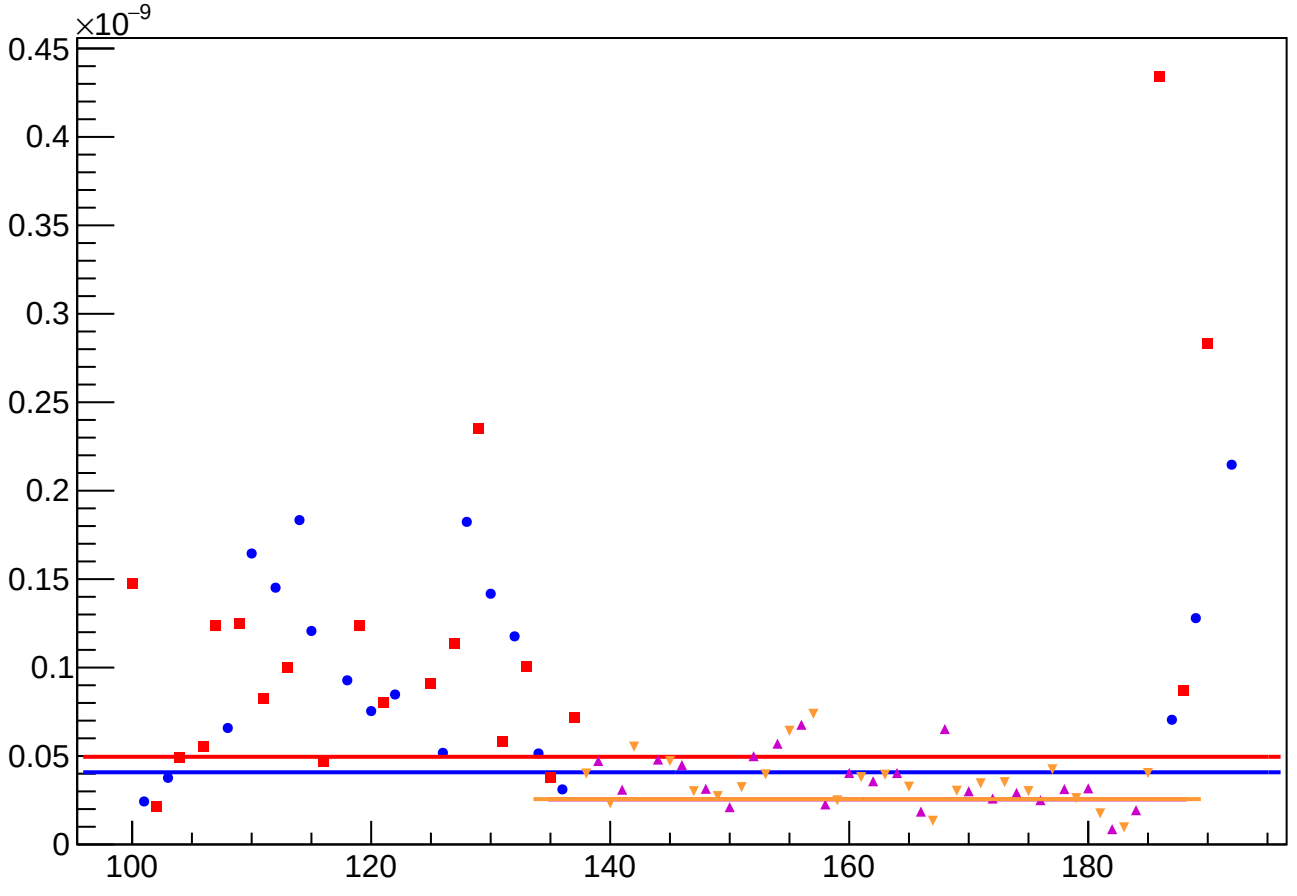
Right Out: -0.000+/-0.000 χ^2/NDF: 11.8/20

Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.8/42

All: -0.000+/-0.000 χ^2/NDF: 83.4/86

- sign 0.000+/-0.000 χ^2/NDF: 35.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 2586655.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

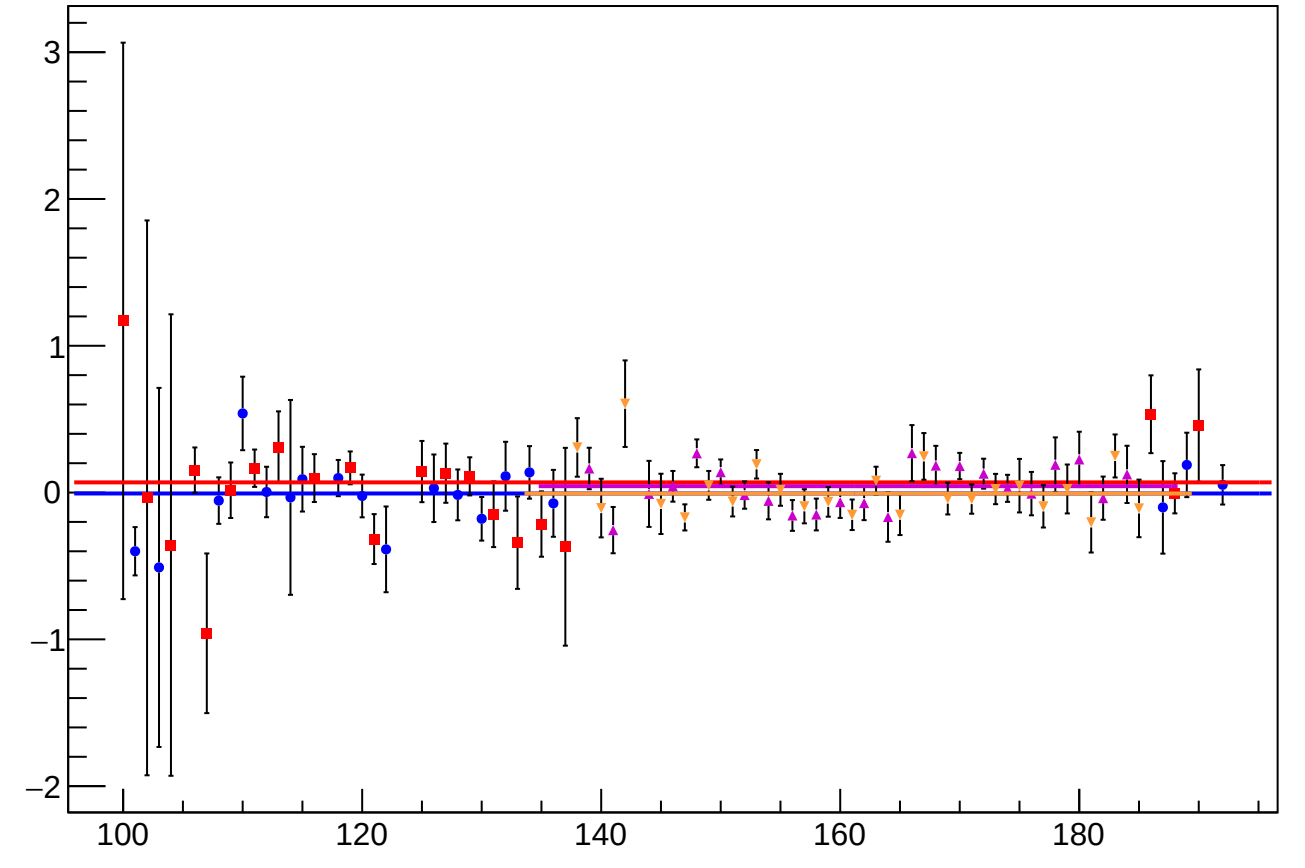
Right Out: 0.000+/-0.000 χ^2/NDF: 2509643.6/20

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5569651.2/42

All: 0.000+/-0.000 χ^2/NDF: 11808462.0/86

- sign 0.000+/-0.000 χ^2/NDF: 6238810.7/43



Right In: -0.006+/-0.044 χ^2/NDF: 16.8/18

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

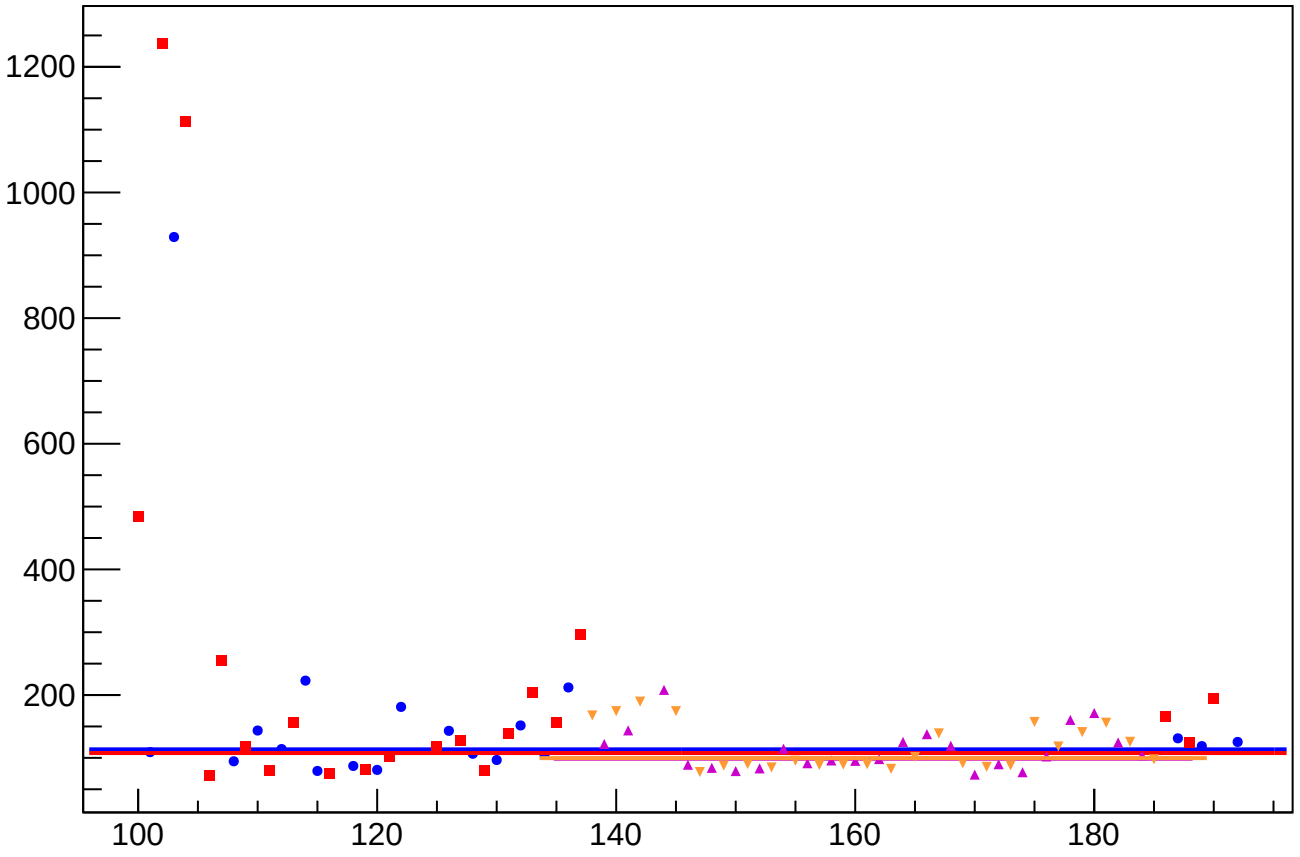
Right Out: 0.069+/-0.043 χ^2/NDF: 21.3/20

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.006+/-0.022 χ^2/NDF: 44.5/42

All: 0.022+/-0.015 χ^2/NDF: 99.7/86

- sign 0.050+/-0.022 χ^2/NDF: 51.8/43



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

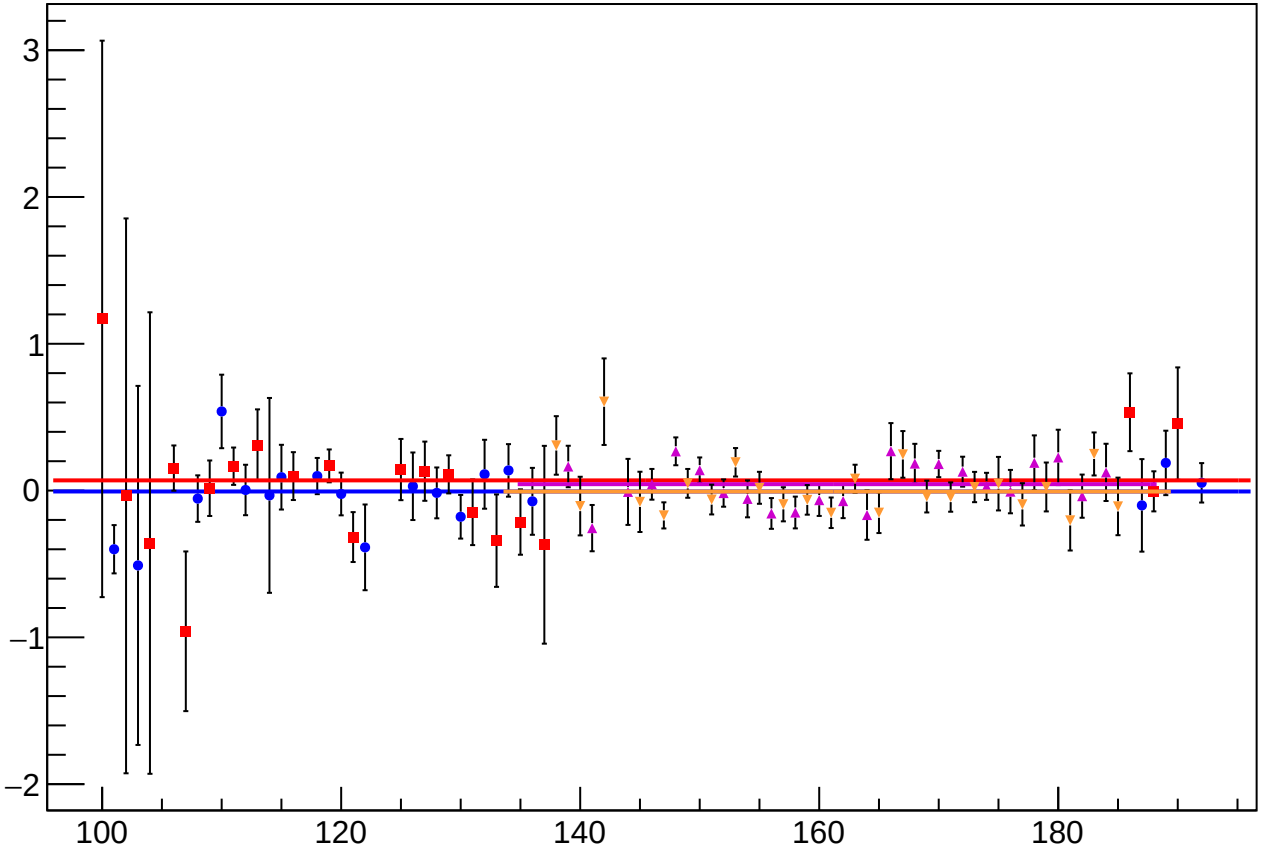
Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 103.112+/-0.015 χ^2/NDF: 4090342.4/42

All: 102.017+/-0.011 χ^2/NDF: 9248340.3/86

- sign 100.945+/-0.015 χ^2/NDF: 5148090.6/43

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.044 χ^2/NDF: 16.8/18

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

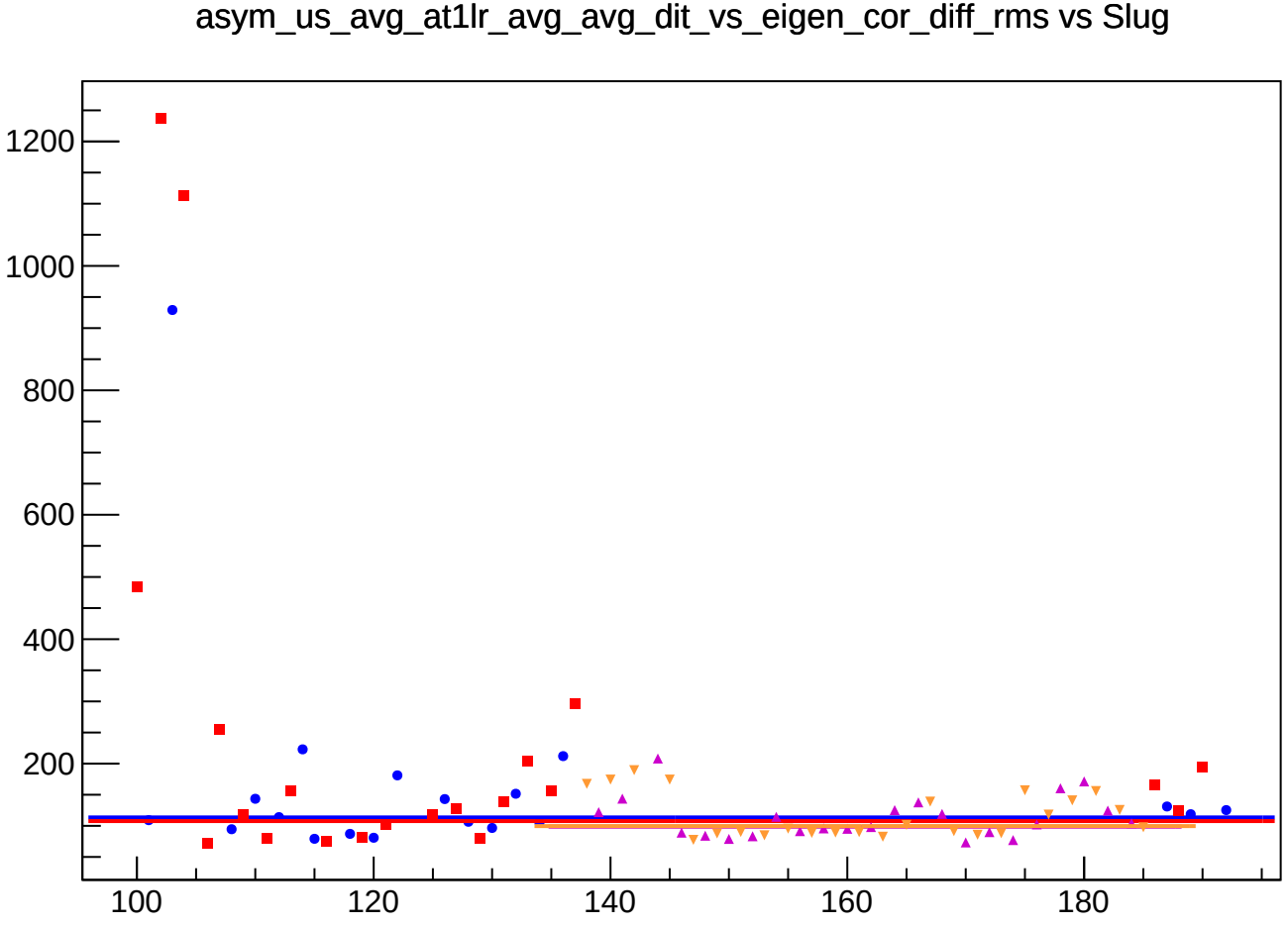
Right Out: 0.069+/-0.043 χ^2/NDF: 21.3/20

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.006+/-0.022 χ^2/NDF: 44.5/42

All: 0.022+/-0.015 χ^2/NDF: 99.7/86

- sign 0.050+/-0.022 χ^2/NDF: 51.8/43



Right In: 113.535+/-0.031 χ^2/NDF: 1866121.1/18

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

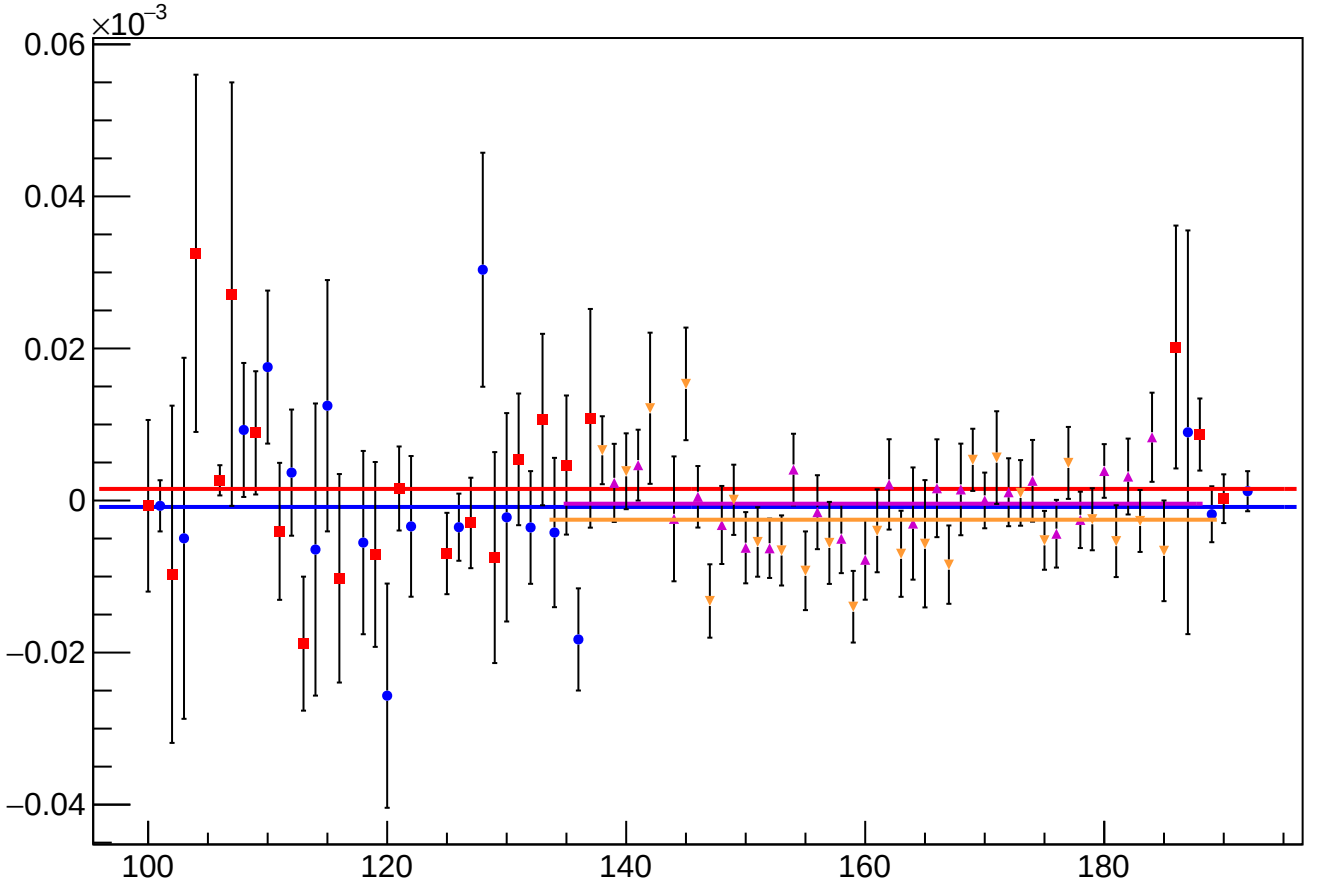
Right Out: 107.665+/-0.030 χ^2/NDF: 3079539.3/20

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 103.112+/-0.015 χ^2/NDF: 4090342.4/42

All: 102.017+/-0.011 χ^2/NDF: 9248340.3/86

- sign 100.945+/-0.015 χ^2/NDF: 5148090.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 21.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

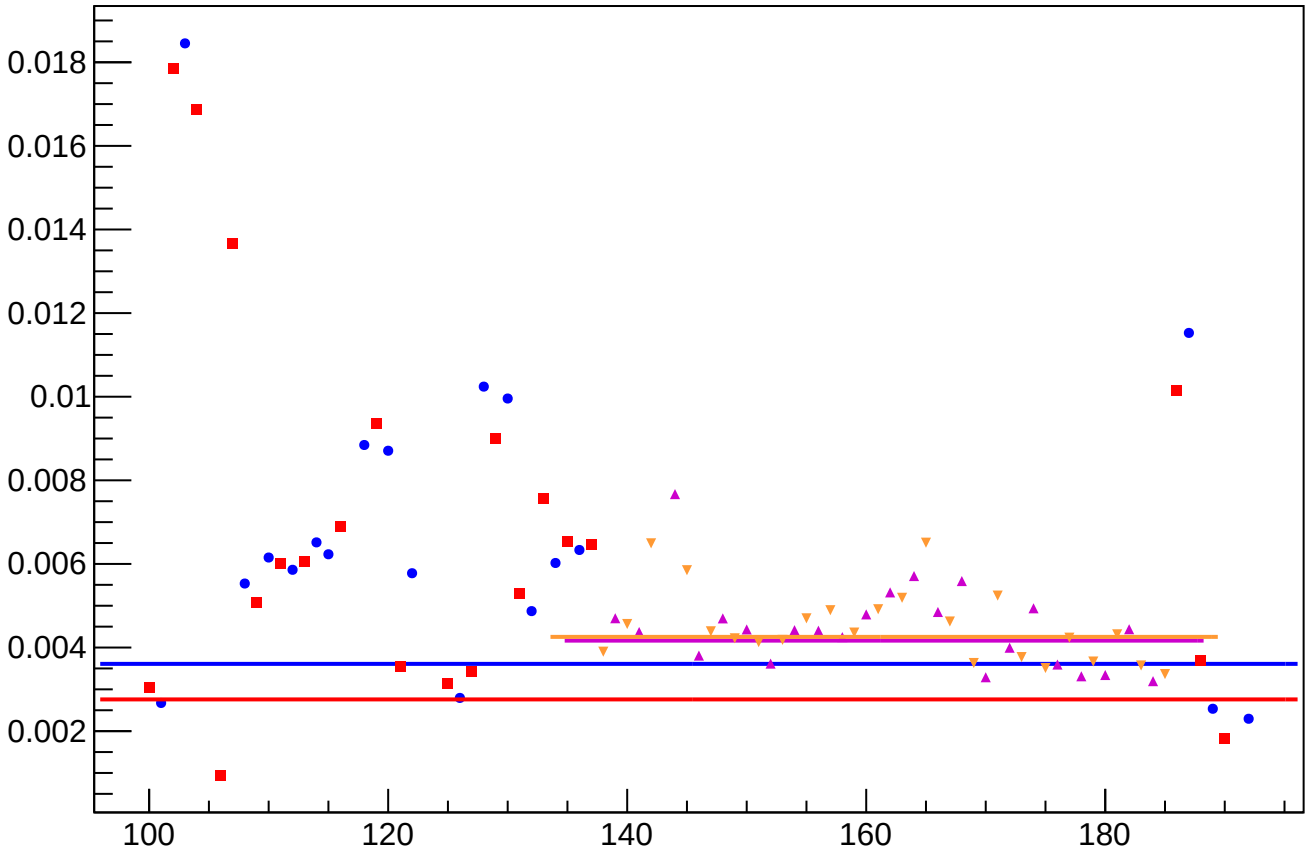
Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/20

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.2/42

All: -0.000+/-0.000 χ^2/NDF: 103.1/86

- sign 0.000+/-0.000 χ^2/NDF: 37.0/43



Right In: 0.004+/-0.000 χ^2/NDF: 4348539.1/18

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

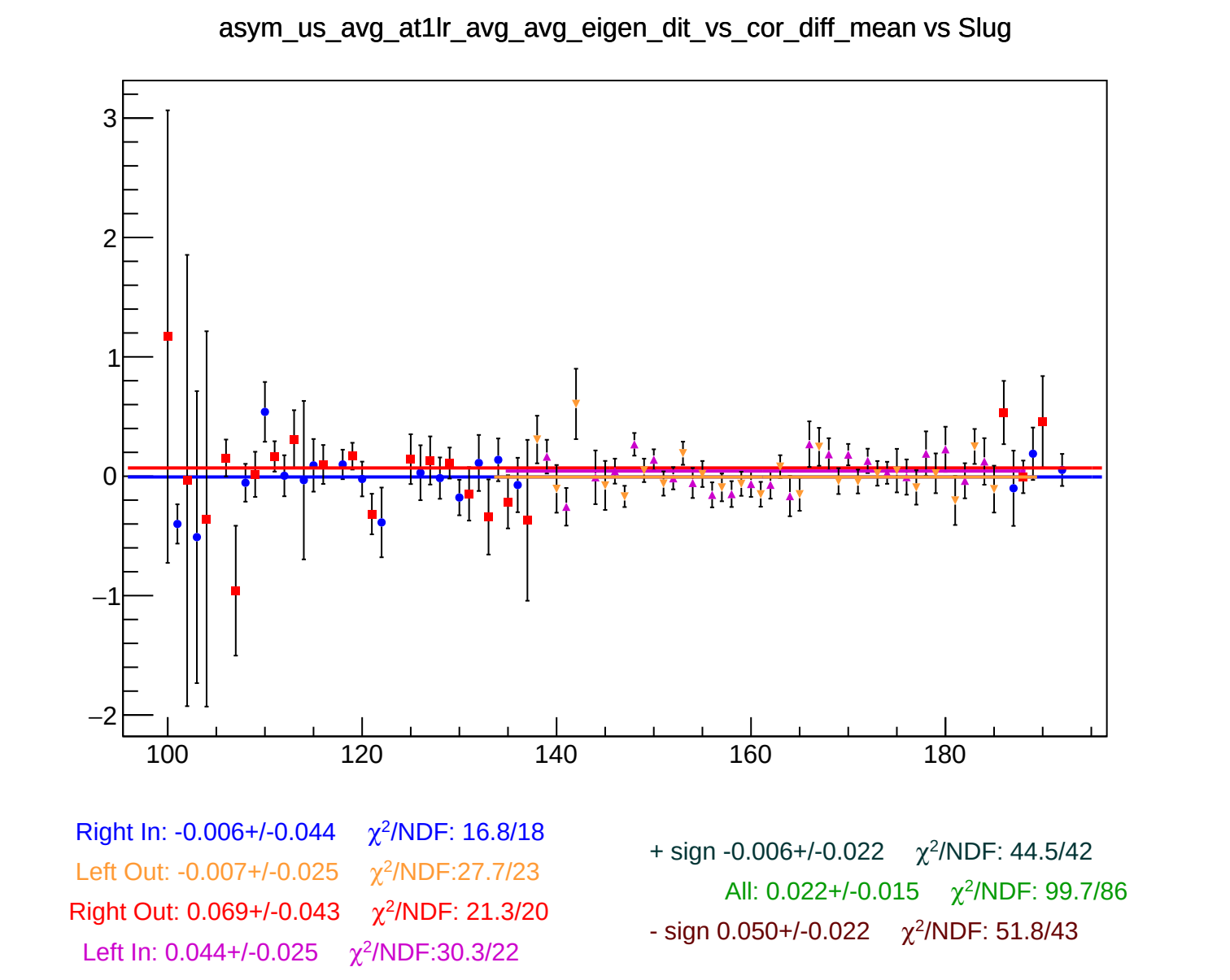
Right Out: 0.003+/-0.000 χ^2/NDF: 7282538.4/20

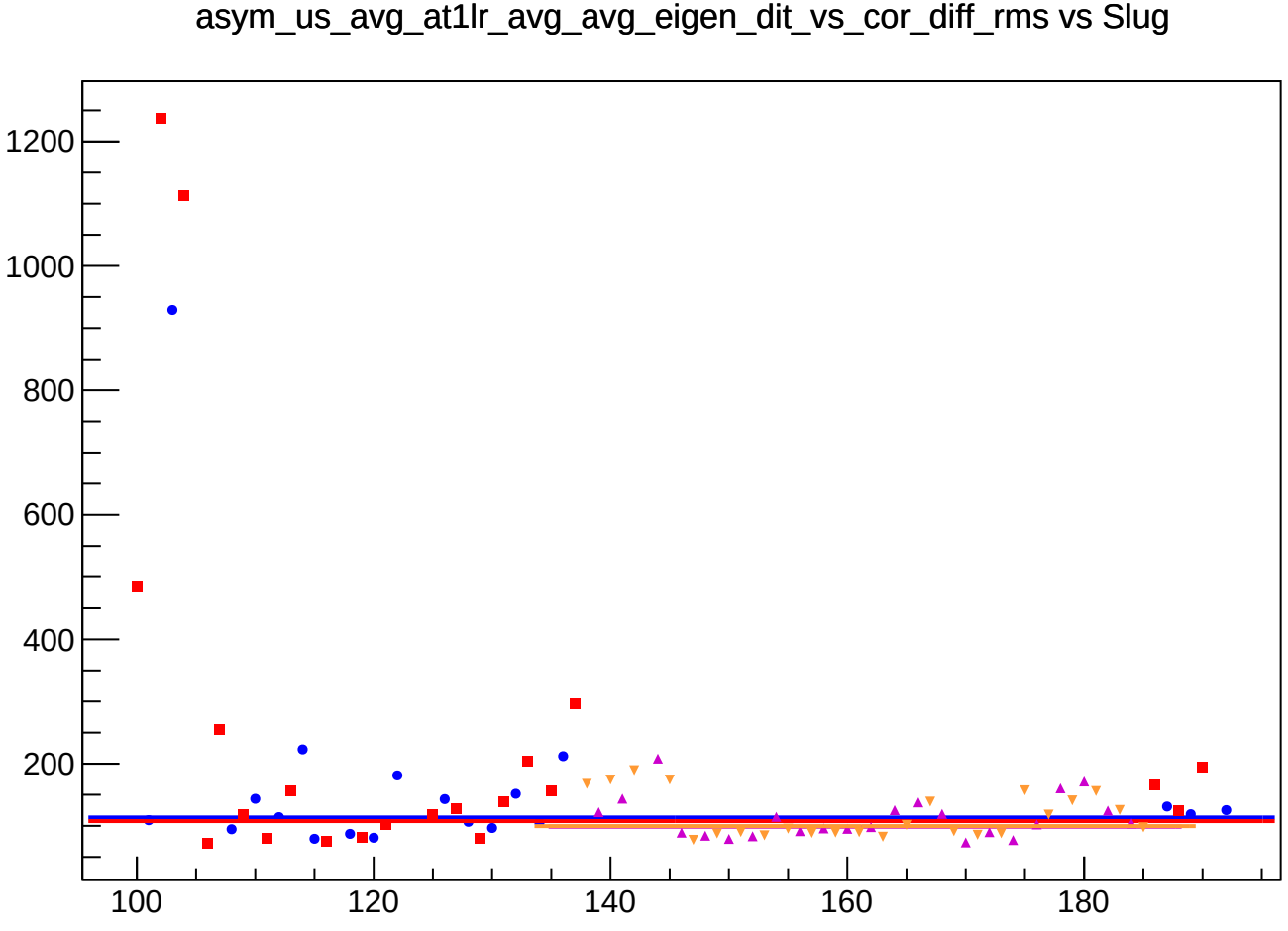
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 5453003.6/42

All: 0.004+/-0.000 χ^2/NDF: 15753898.2/86

- sign 0.004+/-0.000 χ^2/NDF: 10055229.4/43


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
Right In: -0.006+/-0.044 χ²/NDF: 16.8/18
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.069+/-0.043 χ²/NDF: 21.3/20
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign -0.006+/-0.022 χ²/NDF: 44.5/42
All: 0.022+/-0.015 χ²/NDF: 99.7/86
- sign 0.050+/-0.022 χ²/NDF: 51.8/43



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

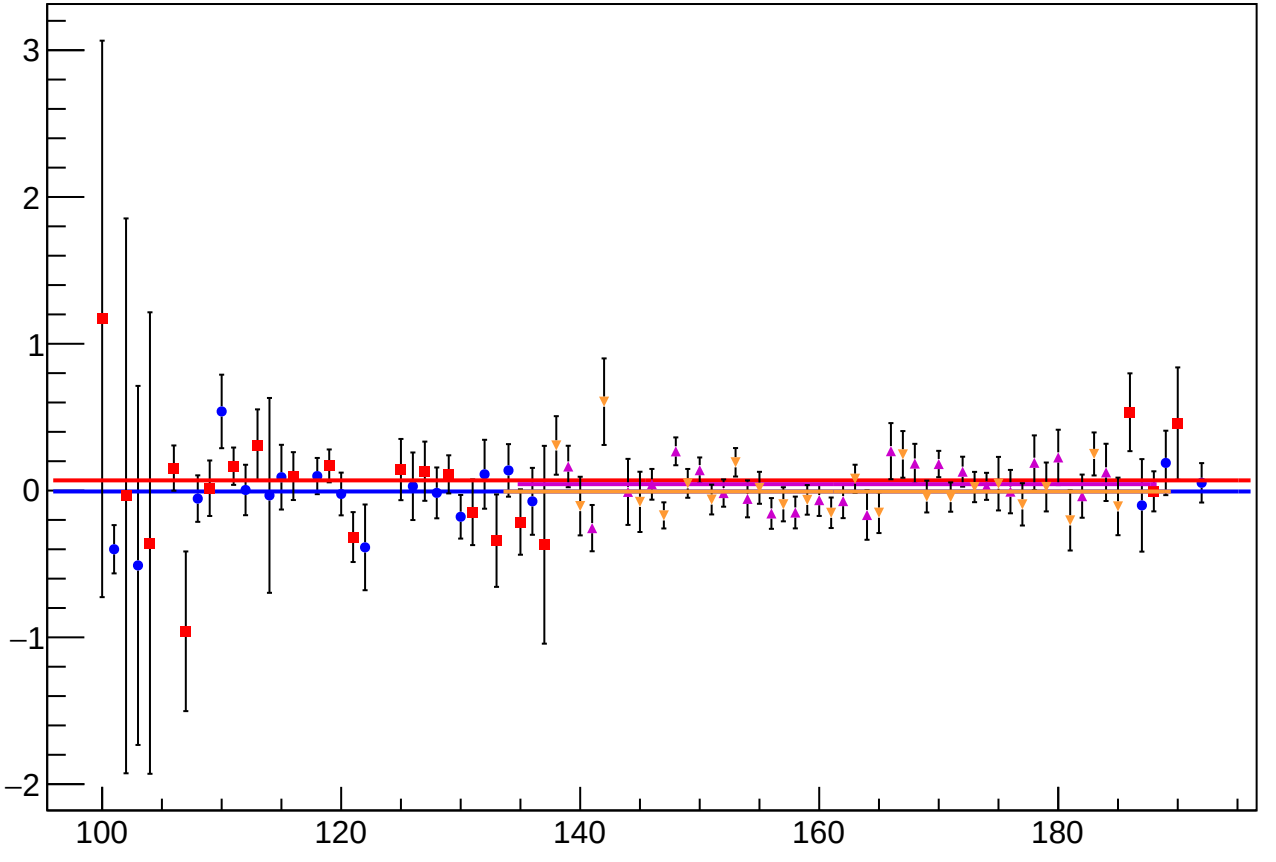
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 103.112+/-0.015 χ^2/NDF: 4090304.1/42

All: 102.017+/-0.011 χ^2/NDF: 9248270.8/86

- sign 100.945+/-0.015 χ^2/NDF: 5148059.0/43

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.044 χ^2/NDF: 16.8/18

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

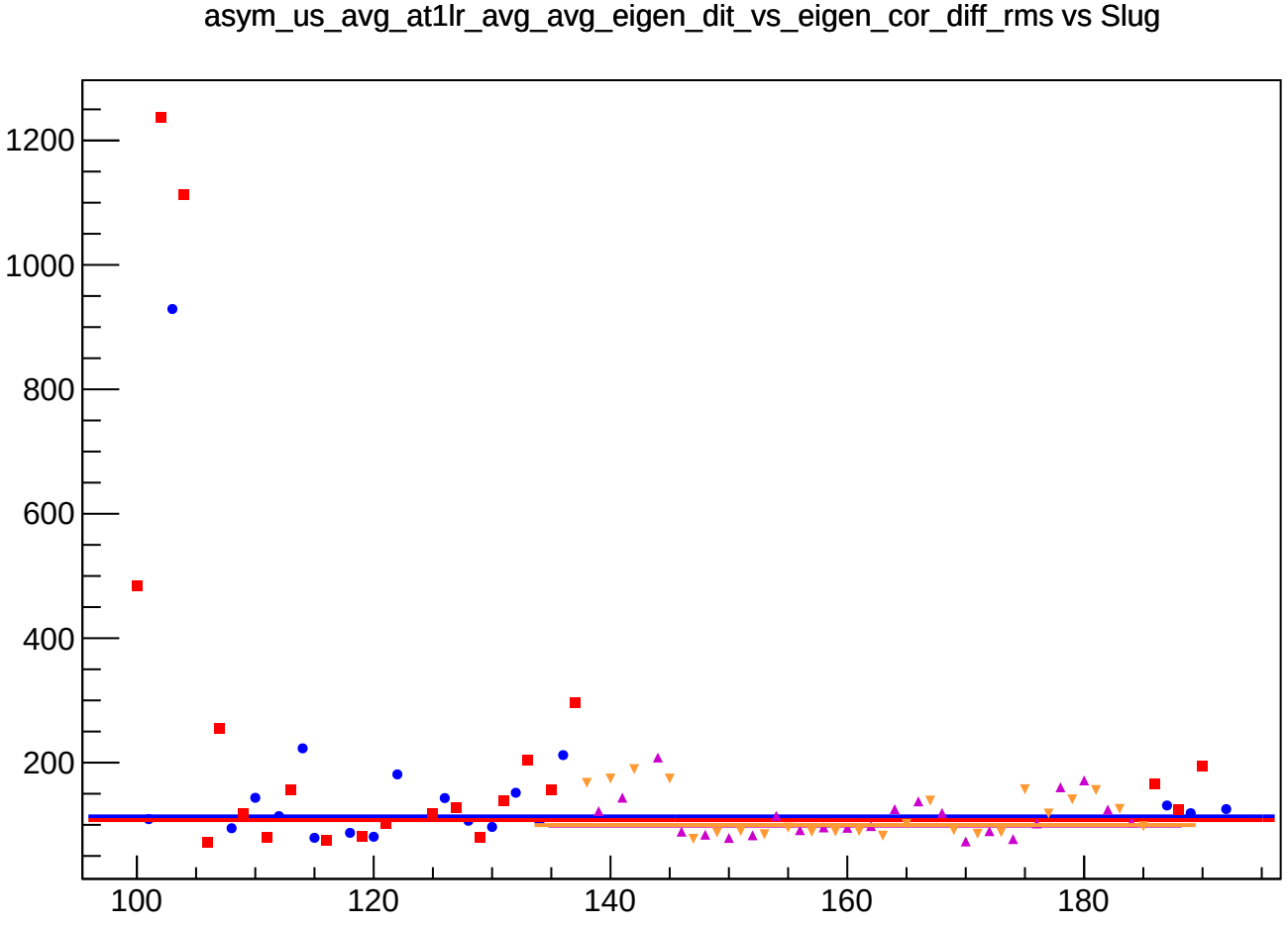
Right Out: 0.069+/-0.043 χ^2/NDF: 21.3/20

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.006+/-0.022 χ^2/NDF: 44.5/42

All: 0.022+/-0.015 χ^2/NDF: 99.7/86

- sign 0.050+/-0.022 χ^2/NDF: 51.8/43



Right In: 113.533+/-0.031 χ^2/NDF: 1866179.9/18

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

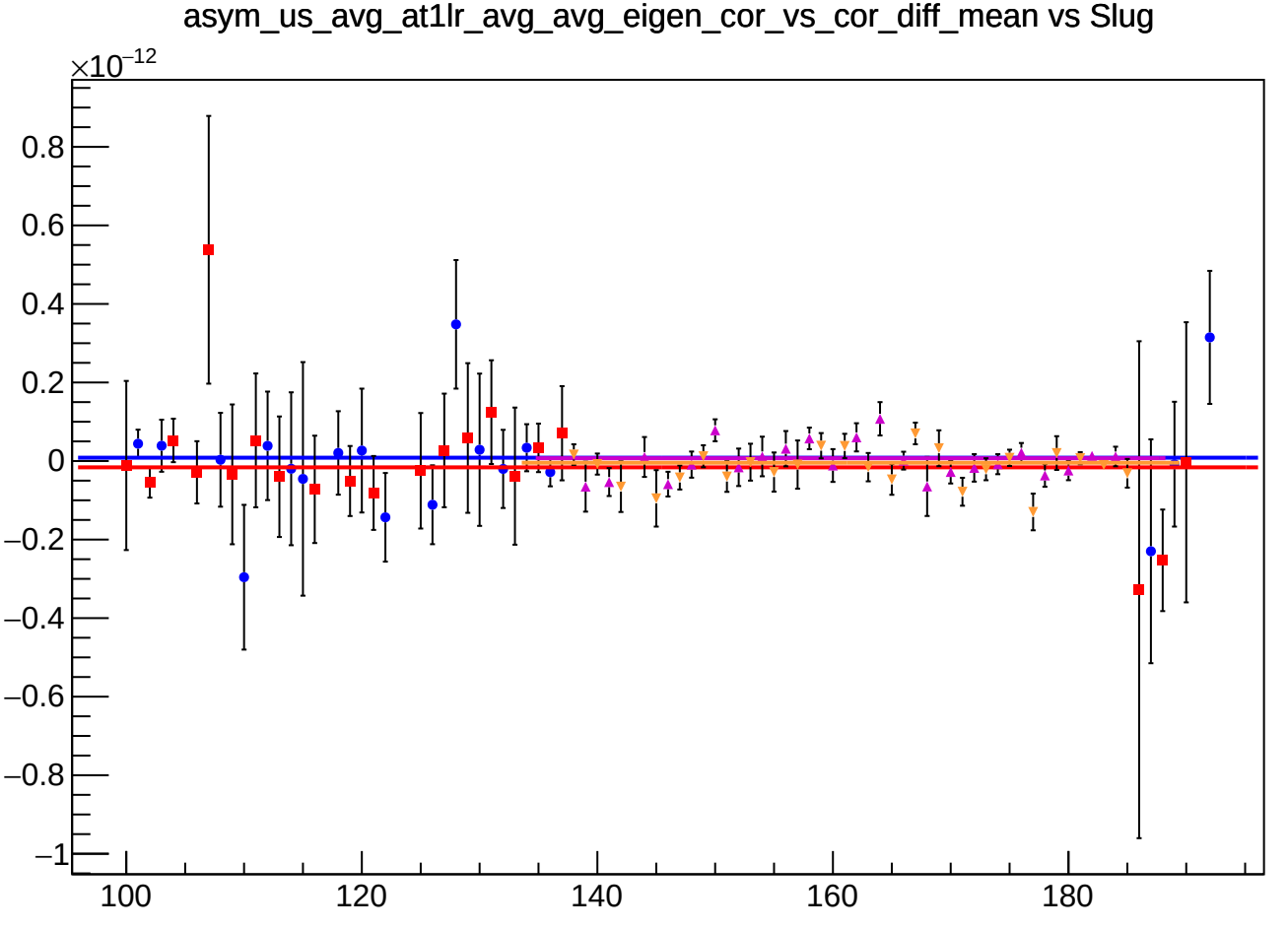
Right Out: 107.663+/-0.030 χ^2/NDF: 3079564.6/20

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 103.112+/-0.015 χ^2/NDF: 4090304.1/42

All: 102.017+/-0.011 χ^2/NDF: 9248270.8/86

- sign 100.945+/-0.015 χ^2/NDF: 5148059.0/43



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

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

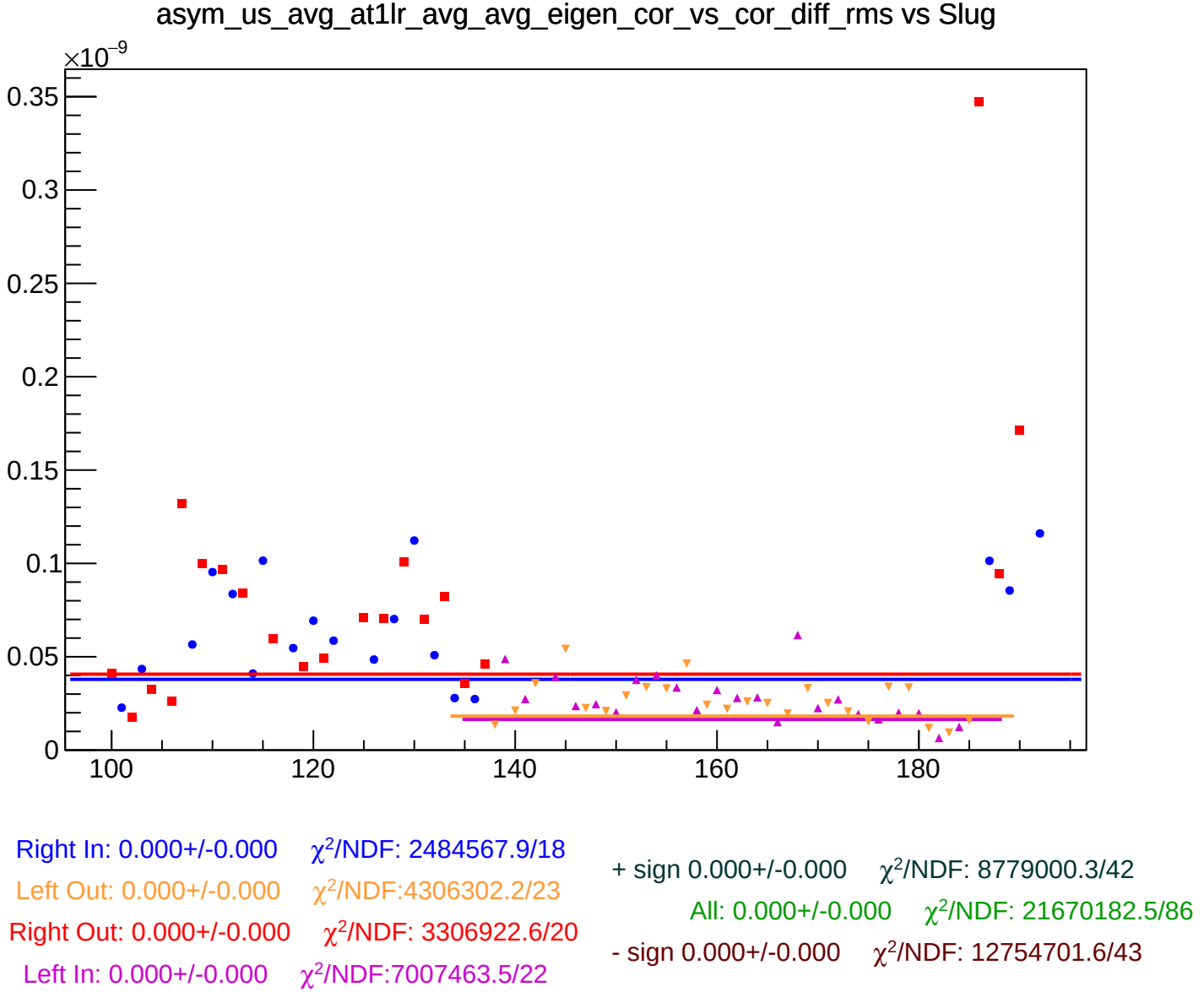
Right Out: -0.000+/-0.000 χ^2/NDF: 12.4/20

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

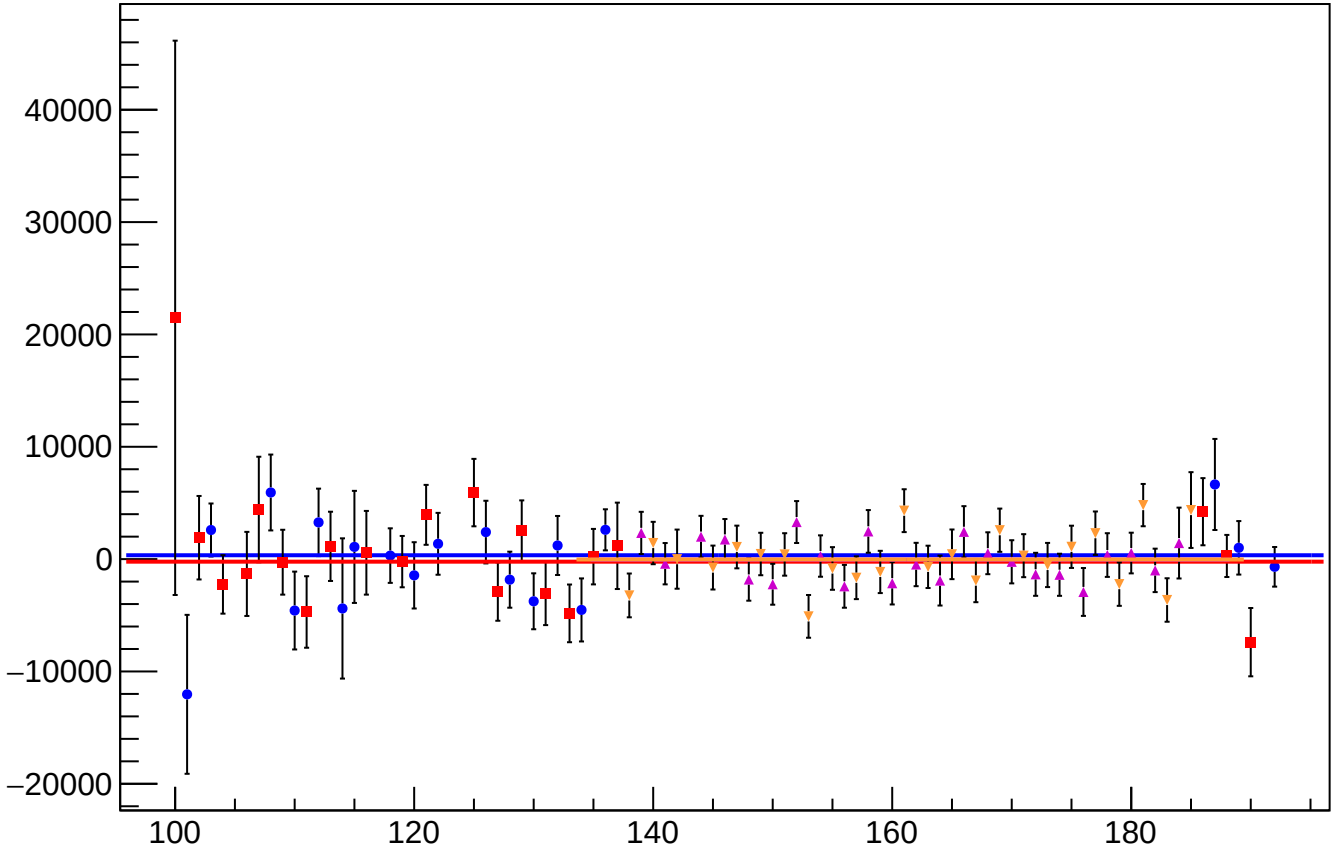
+ sign -0.000+/-0.000 χ^2/NDF: 50.3/42

All: 0.000+/-0.000 χ^2/NDF: 100.3/86

- sign 0.000+/-0.000 χ^2/NDF: 48.7/43


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 2484567.9/18
Left Out: 0.000+/-0.000 χ²/NDF:4306302.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 3306922.6/20
Left In: 0.000+/-0.000 χ²/NDF:7007463.5/22
+ sign 0.000+/-0.000 χ²/NDF: 8779000.3/42
All: 0.000+/-0.000 χ²/NDF: 21670182.5/86
- sign 0.000+/-0.000 χ²/NDF: 12754701.6/43

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 344.610+/-626.963 χ^2/NDF: 22.3/18

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -226.699+/-635.530 χ^2/NDF: 25.9/20

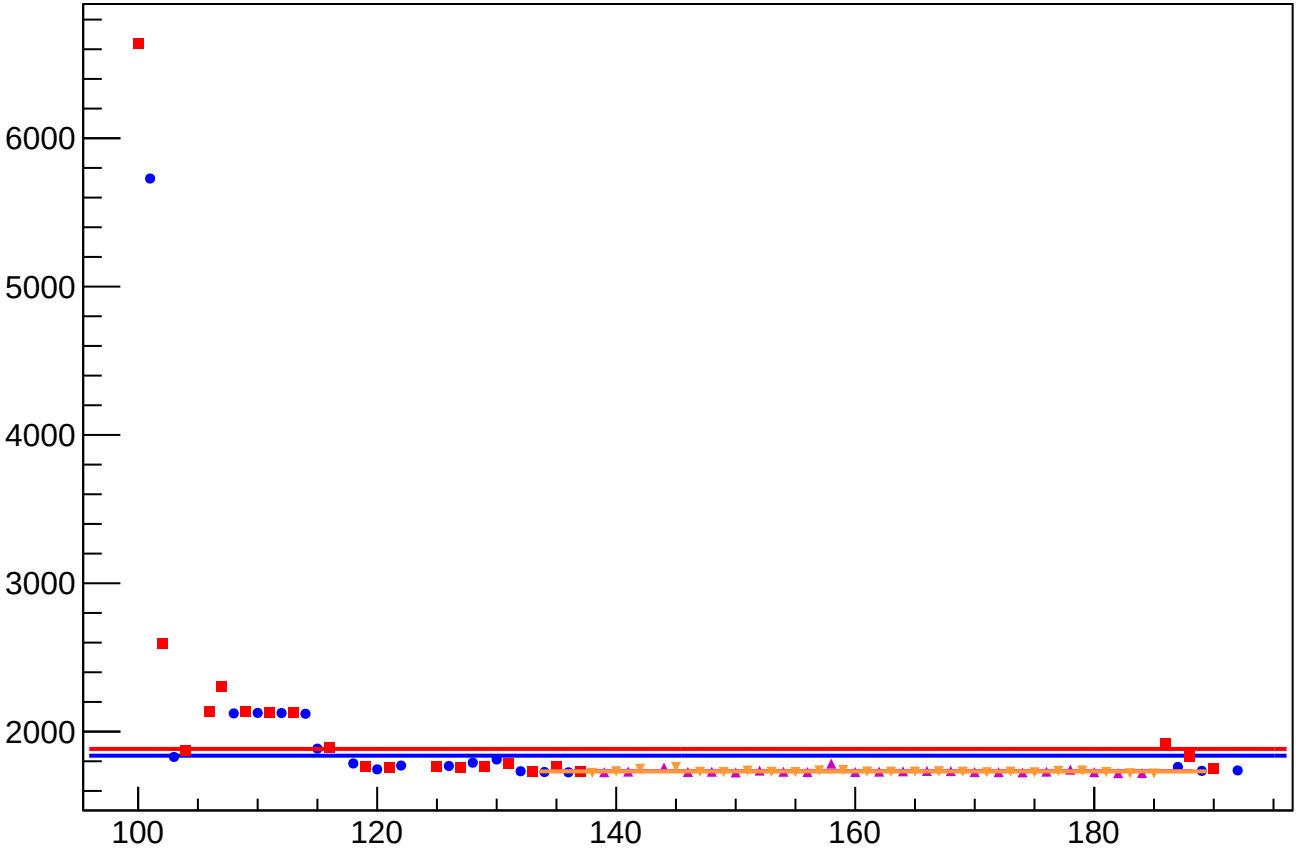
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 75.728+/-338.393 χ^2/NDF: 57.9/42

All: -12.840+/-240.324 χ^2/NDF: 103.4/86

- sign -102.970+/-341.365 χ^2/NDF: 45.4/43

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1837.665+/-0.443 χ^2/NDF: 686474.5/18

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

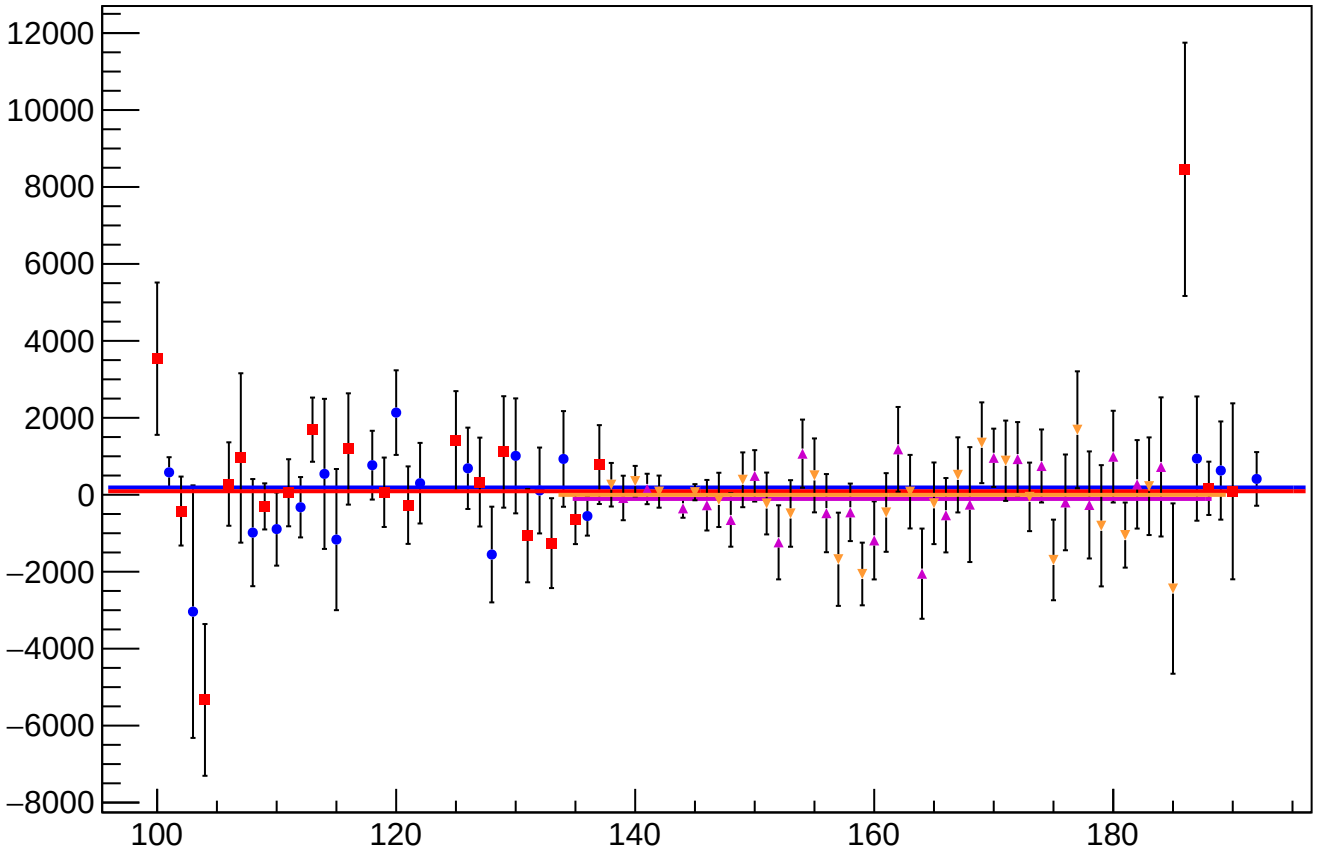
Right Out: 1883.223+/-0.449 χ^2/NDF: 256880.1/20

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.771+/-0.239 χ^2/NDF: 727681.7/42

All: 1769.608+/-0.170 χ^2/NDF: 1067611.5/86

- sign 1776.566+/-0.241 χ^2/NDF: 338282.5/43



Right In: 189.063+/-205.431 χ^2/NDF: 13.9/18

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

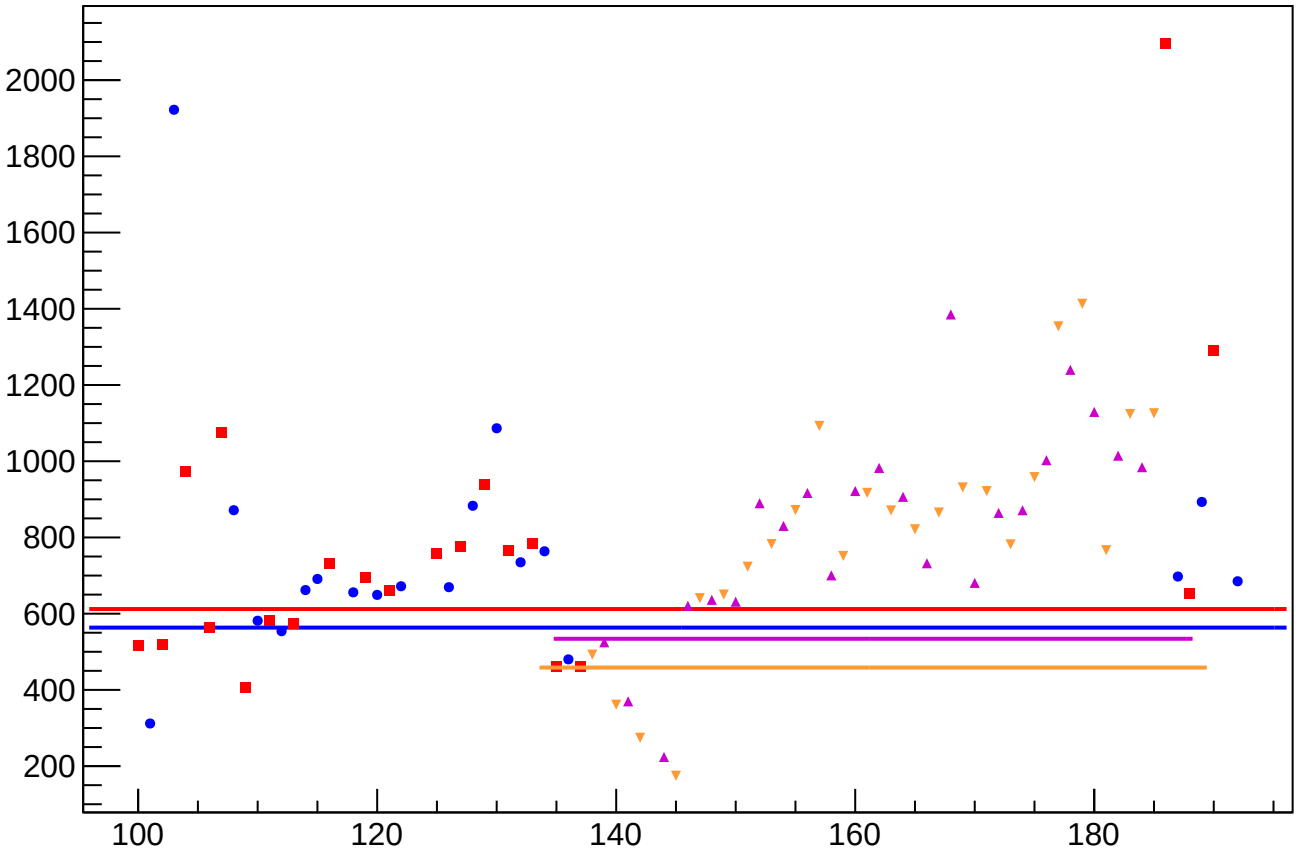
Right Out: 91.439+/-223.698 χ^2/NDF: 27.9/20

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 52.375+/-109.883 χ^2/NDF: 34.8/42

All: 5.861+/-81.247 χ^2/NDF: 80.7/86

- sign -50.236+/-120.674 χ^2/NDF: 45.5/43



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

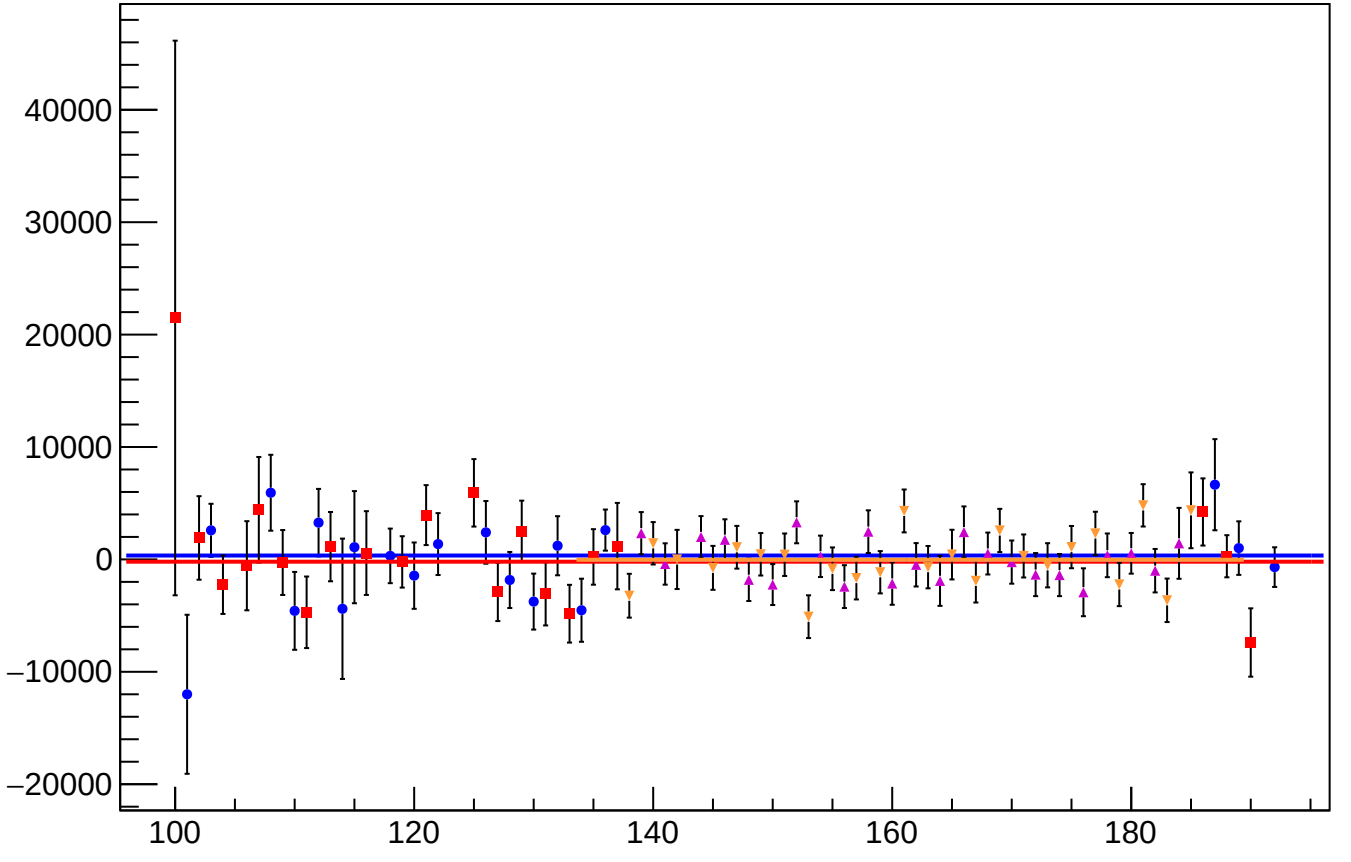
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 488.578+/-0.078 χ^2/NDF: 13886017.5/42

All: 519.534+/-0.057 χ^2/NDF: 24298461.0/86

- sign 556.868+/-0.085 χ^2/NDF: 10062278.1/43

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 344.742+/-626.963 χ^2/NDF: 22.3/18

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -203.636+/-636.531 χ^2/NDF: 25.9/20

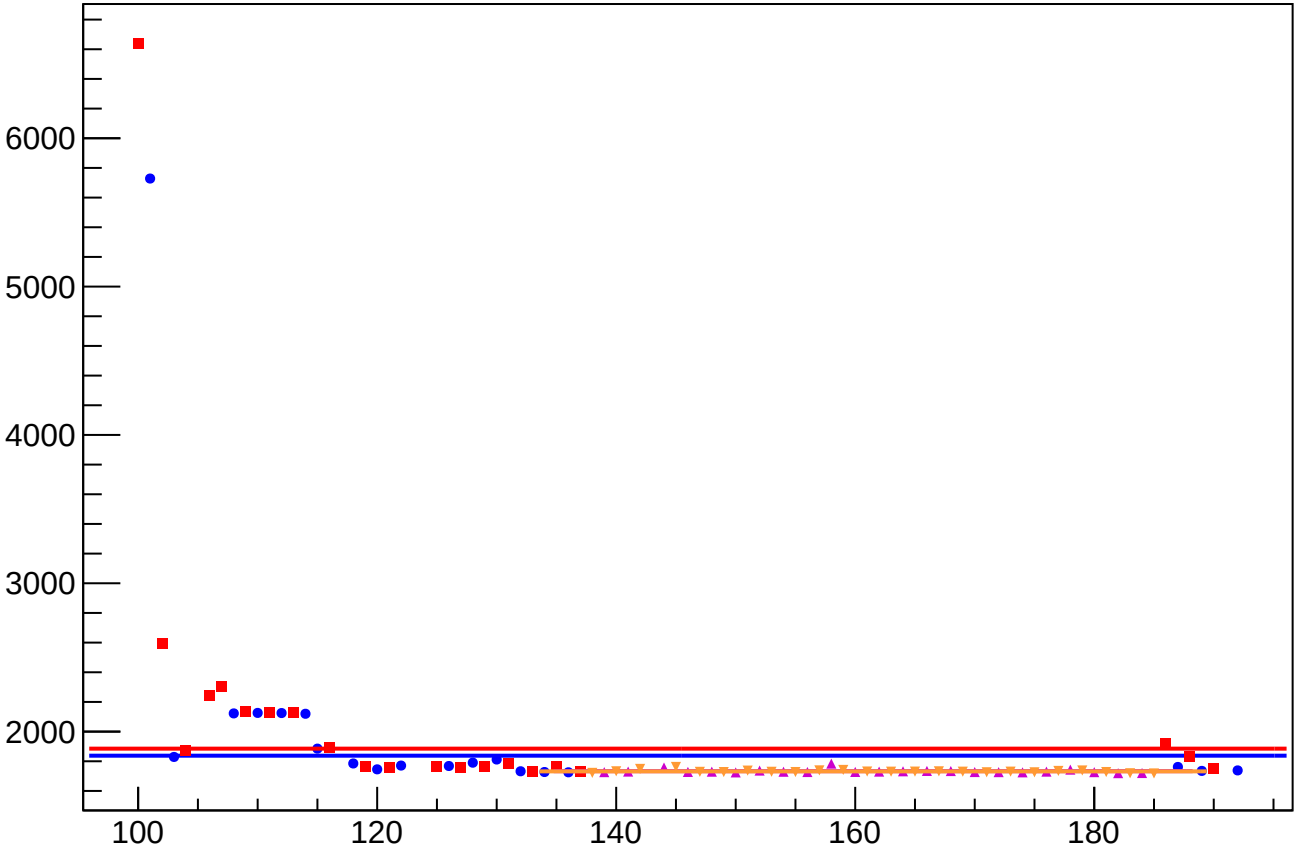
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 75.806+/-338.393 χ^2/NDF: 57.9/42

All: -9.386+/-240.378 χ^2/NDF: 103.3/86

- sign -96.159+/-341.520 χ^2/NDF: 45.3/43

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1837.665+/-0.443 χ^2/NDF: 686474.4/18

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

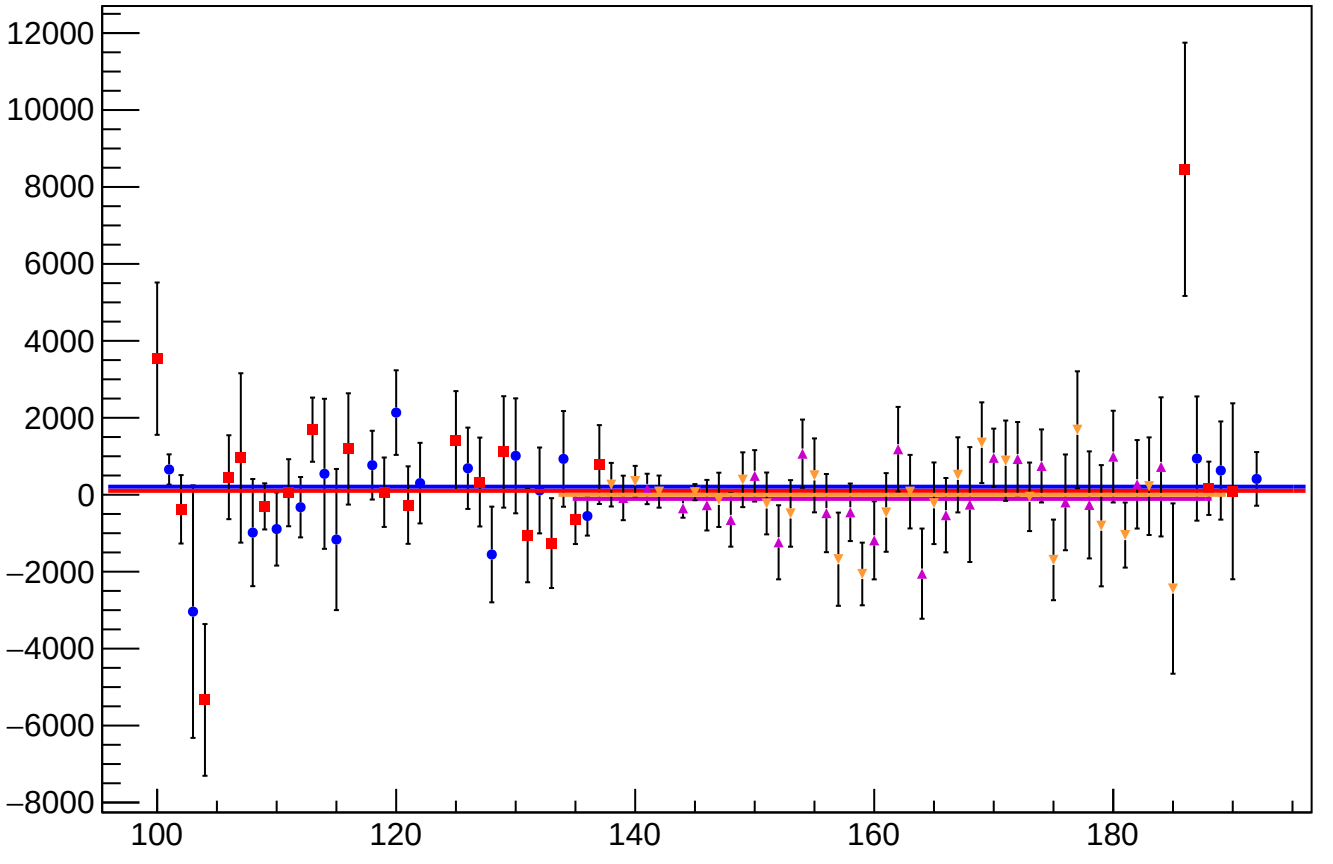
Right Out: 1885.134+/-0.450 χ^2/NDF: 264043.3/20

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.771+/-0.239 χ^2/NDF: 727681.5/42

All: 1769.830+/-0.170 χ^2/NDF: 1076733.8/86

- sign 1777.019+/-0.241 χ^2/NDF: 347295.7/43



Right In: 209.367+/-205.370 χ^2/NDF: 14.4/18

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

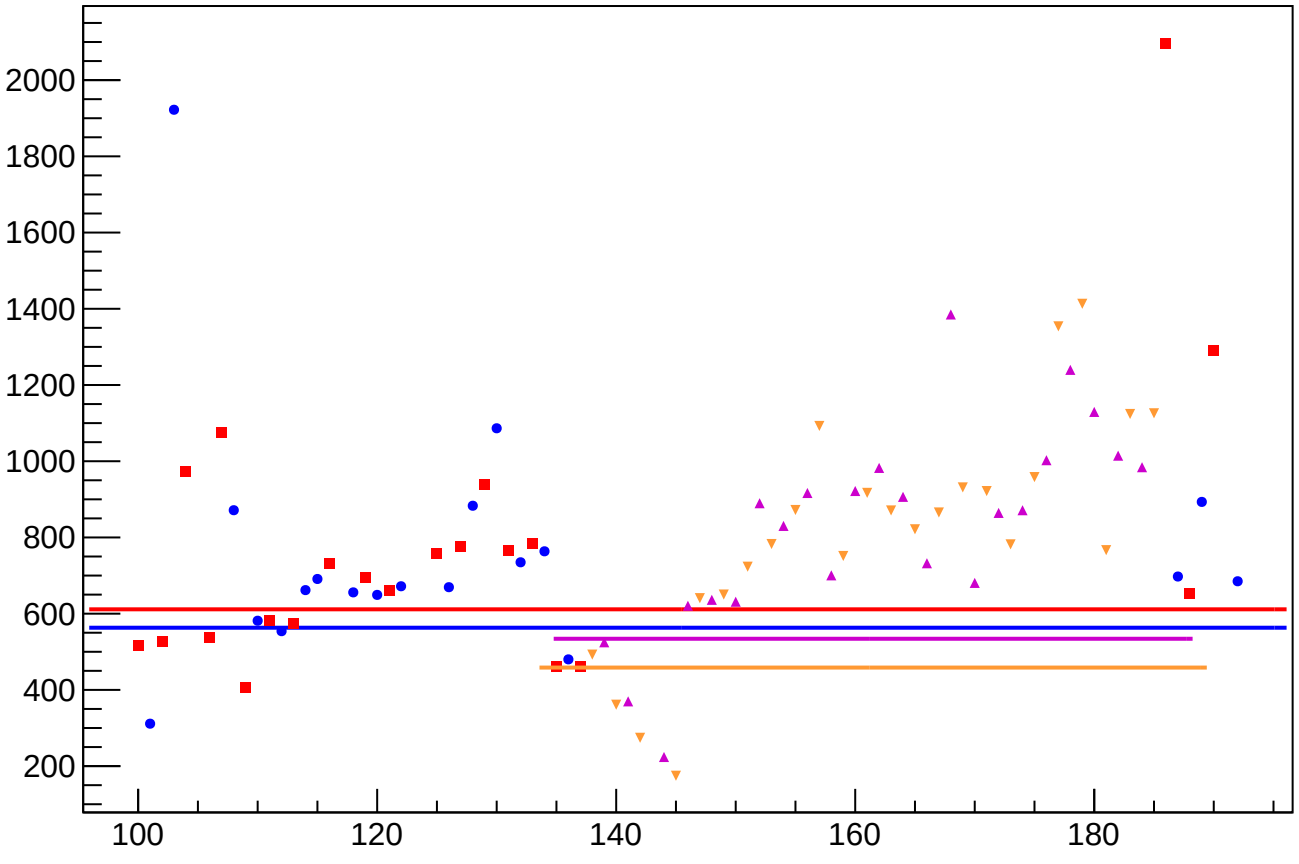
Right Out: 101.095+/-223.651 χ^2/NDF: 27.9/20

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 58.124+/-109.875 χ^2/NDF: 35.4/42

All: 10.296+/-81.241 χ^2/NDF: 81.4/86

- sign -47.388+/-120.667 χ^2/NDF: 45.6/43



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

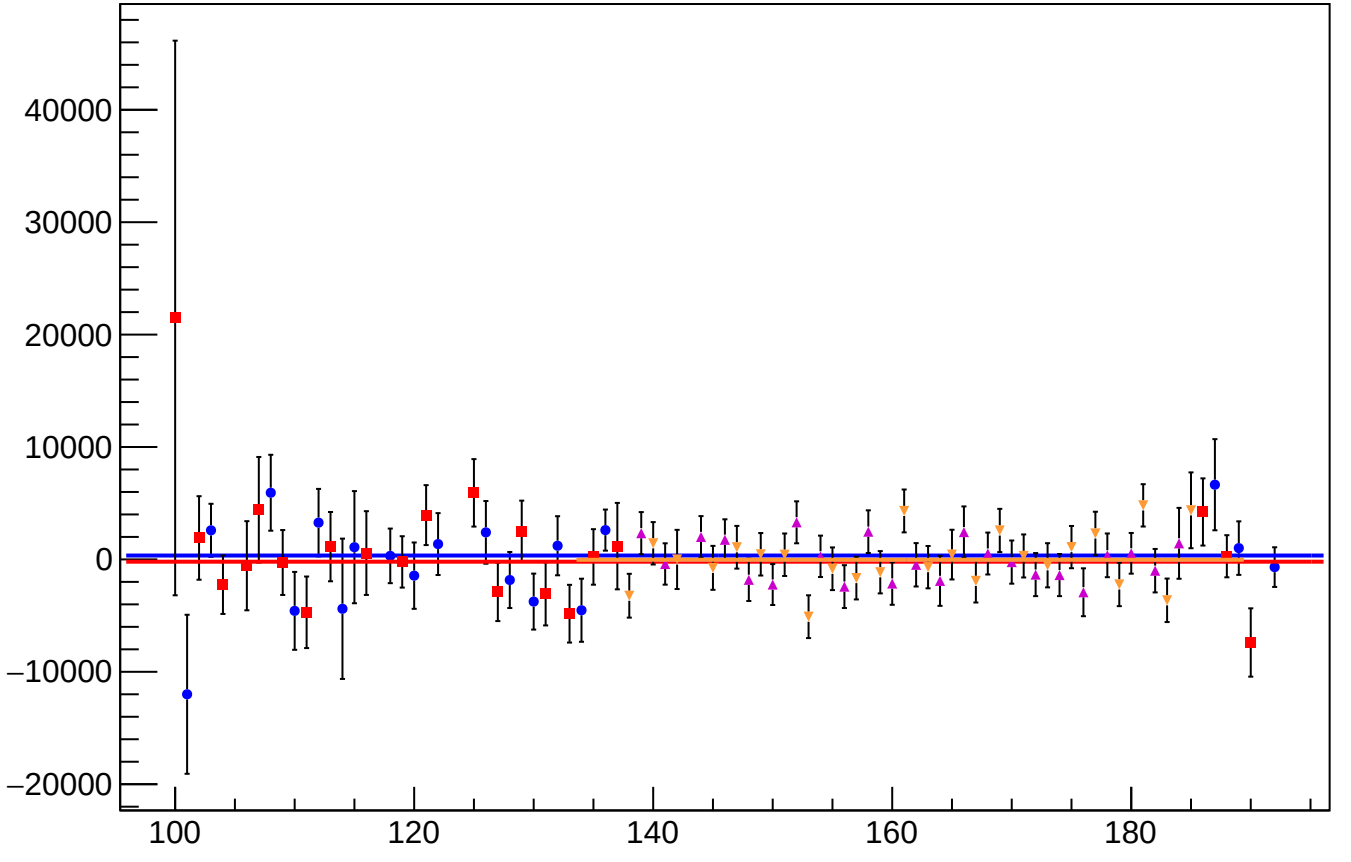
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 488.516+/-0.078 χ^2/NDF: 13888655.0/42

All: 519.404+/-0.057 χ^2/NDF: 24298454.7/86

- sign 556.657+/-0.085 χ^2/NDF: 10061123.7/43

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 344.742+/-626.963 χ^2/NDF: 22.3/18

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

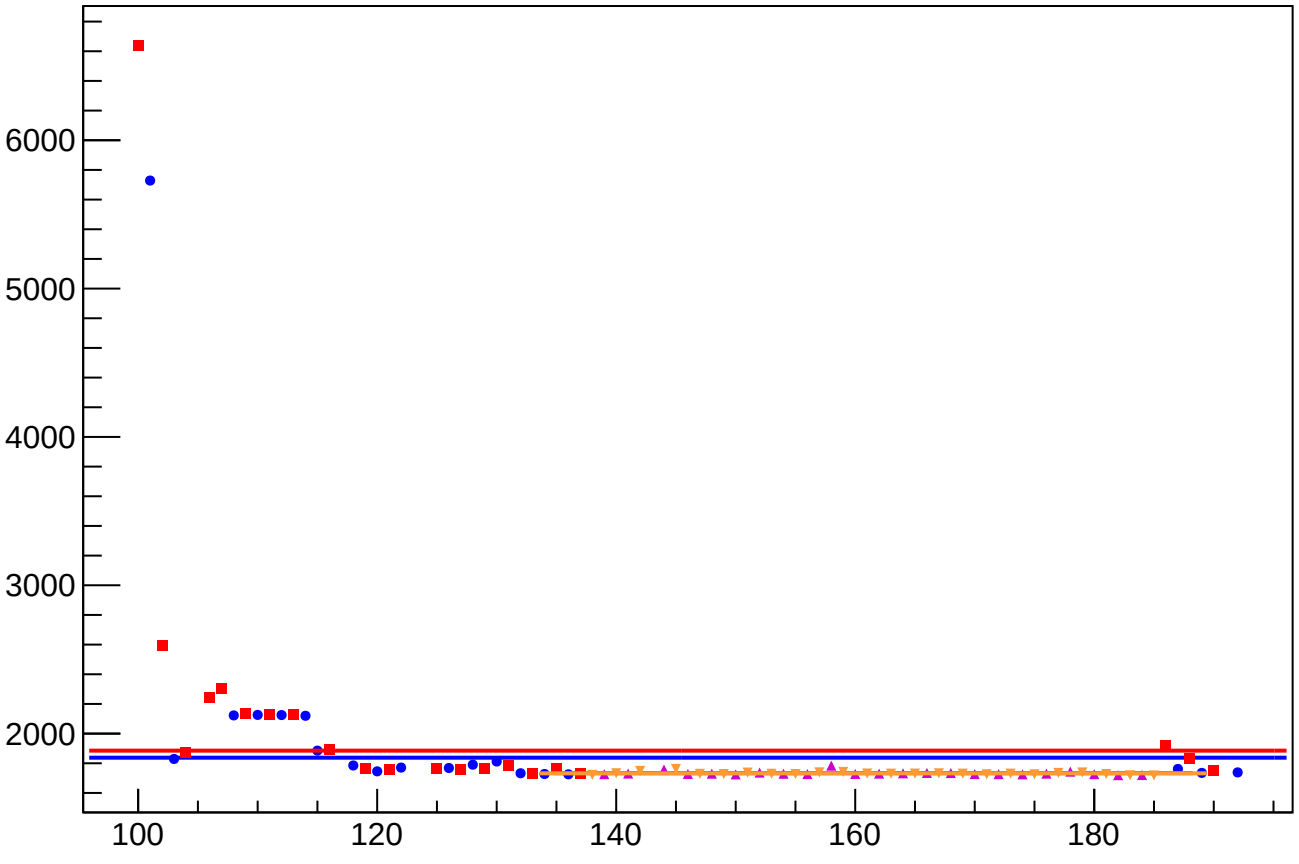
Right Out: -203.636+/-636.531 χ^2/NDF: 25.9/20

Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 75.806+/-338.393 χ^2/NDF: 57.9/42

All: -9.386+/-240.378 χ^2/NDF: 103.3/86

- sign -96.159+/-341.520 χ^2/NDF: 45.3/43



Right In: 1837.665+/-0.443 χ^2/NDF: 686474.4/18

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

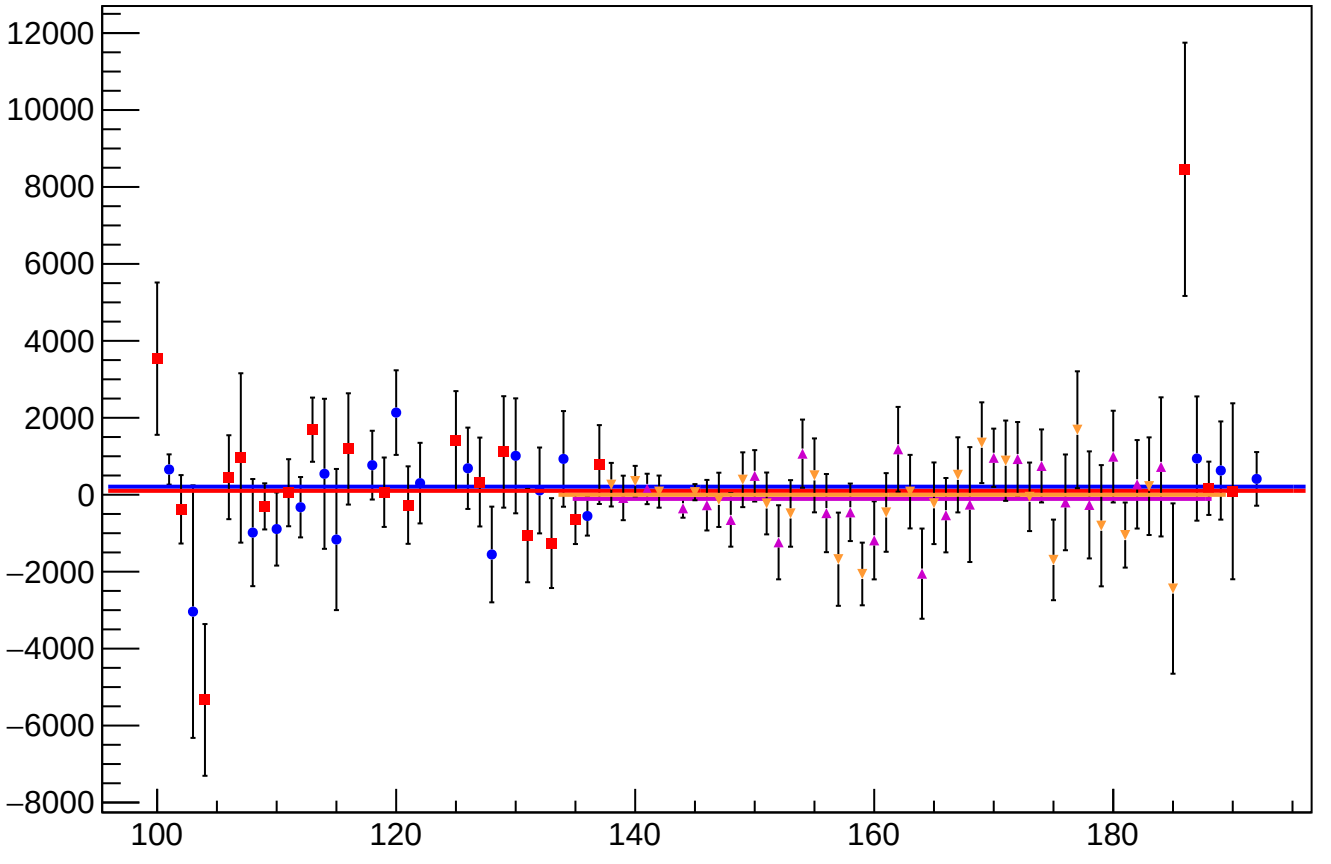
Right Out: 1885.134+/-0.450 χ^2/NDF: 264043.3/20

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.771+/-0.239 χ^2/NDF: 727681.5/42

All: 1769.830+/-0.170 χ^2/NDF: 1076733.8/86

- sign 1777.019+/-0.241 χ^2/NDF: 347295.7/43



Right In: 209.367+/-205.370 χ^2/NDF: 14.4/18

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

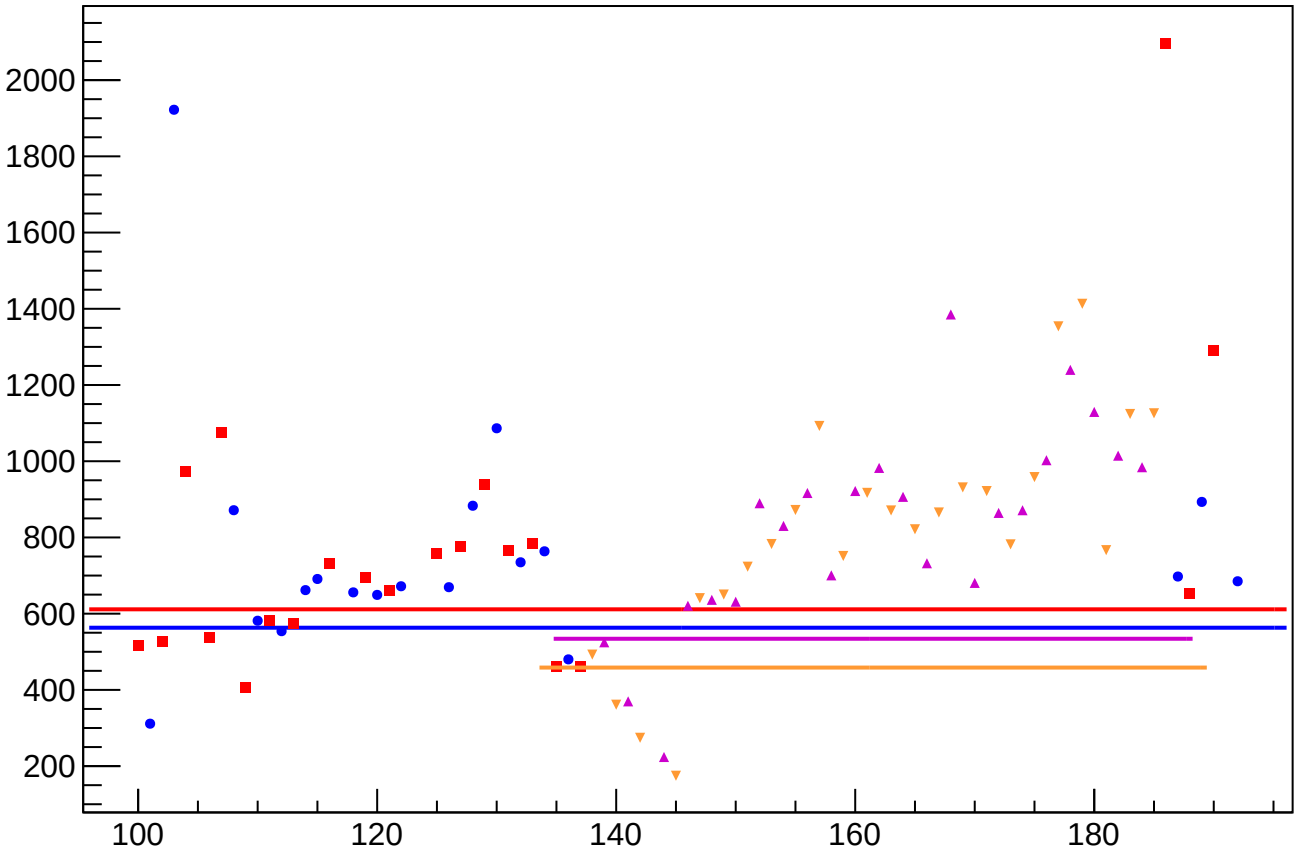
Right Out: 101.095+/-223.651 χ^2/NDF: 27.9/20

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 58.124+/-109.875 χ^2/NDF: 35.4/42

All: 10.296+/-81.241 χ^2/NDF: 81.4/86

- sign -47.388+/-120.667 χ^2/NDF: 45.6/43



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

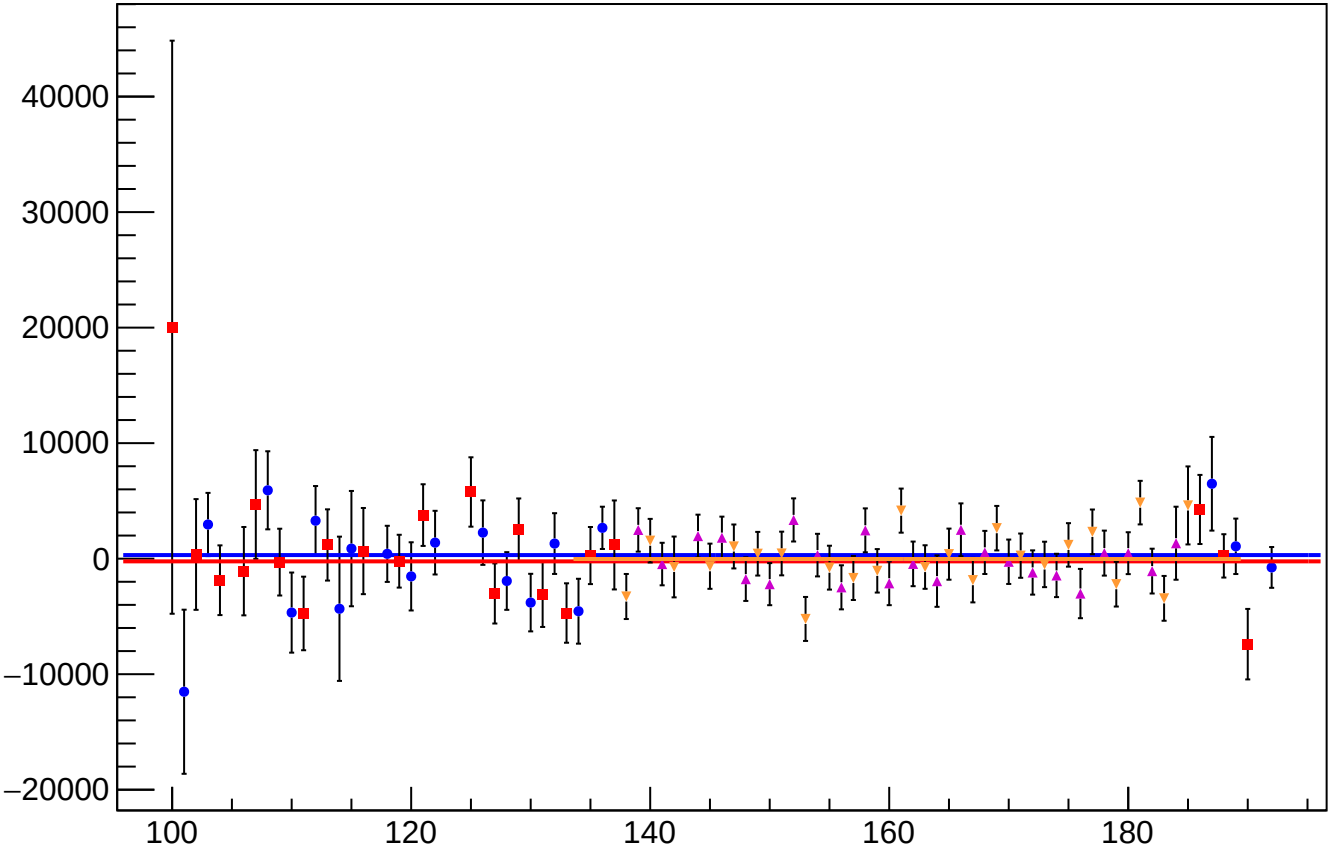
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 488.516+/-0.078 χ^2/NDF: 13888655.0/42

All: 519.404+/-0.057 χ^2/NDF: 24298454.7/86

- sign 556.657+/-0.085 χ^2/NDF: 10061123.7/43

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



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

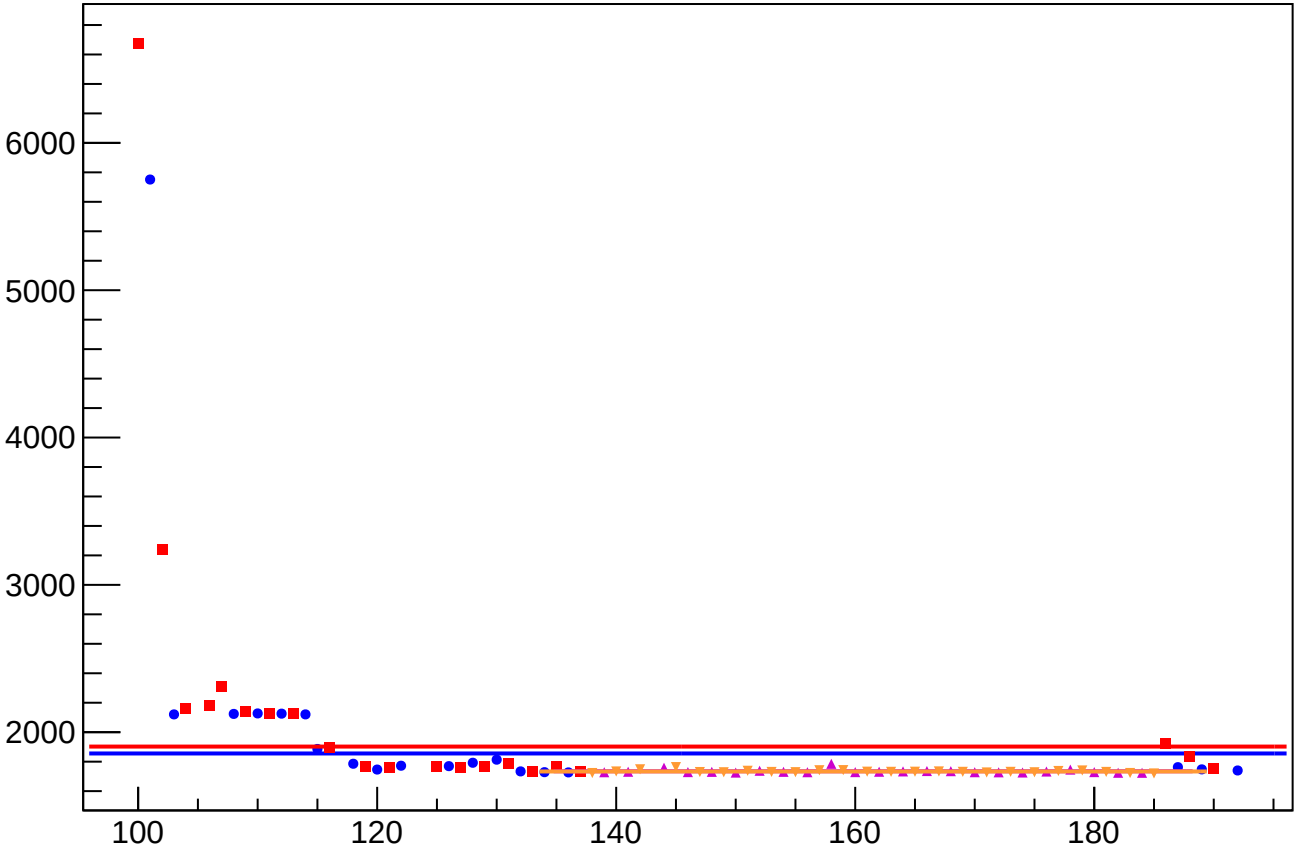
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 68.452+/-339.612 χ^2/NDF: 57.9/42

All: -13.197+/-241.352 χ^2/NDF: 102.8/86

- sign -96.512+/-343.061 χ^2/NDF: 44.8/43

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1855.598+/-0.448 χ^2/NDF: 706980.0/18

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

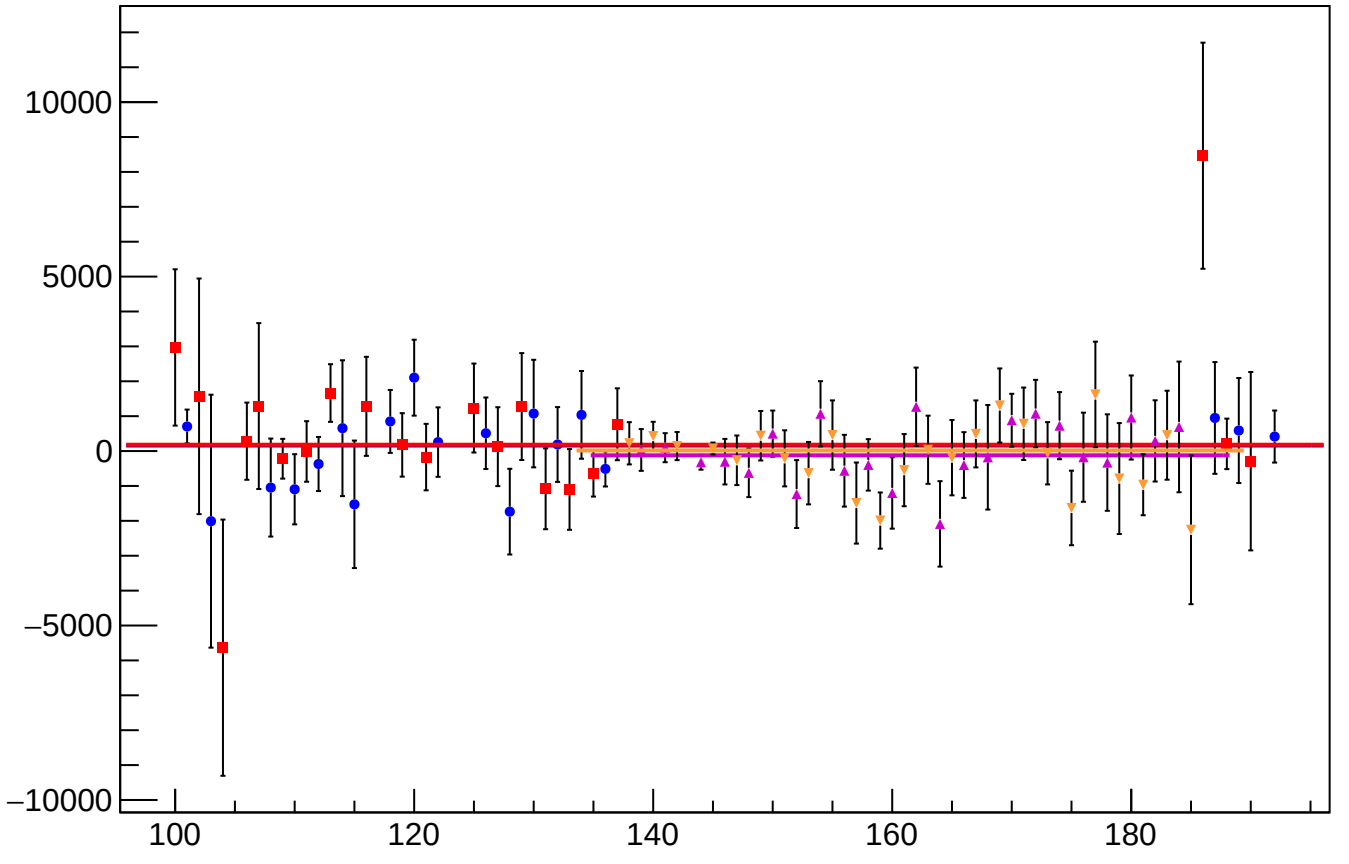
Right Out: 1902.402+/-0.456 χ^2/NDF: 360744.8/20

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1768.579+/-0.240 χ^2/NDF: 760846.6/42

All: 1775.312+/-0.171 χ^2/NDF: 1222136.2/86

- sign 1782.182+/-0.243 χ^2/NDF: 459701.4/43



Right In: 159.569+/-216.904 χ^2/NDF: 14.6/18

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

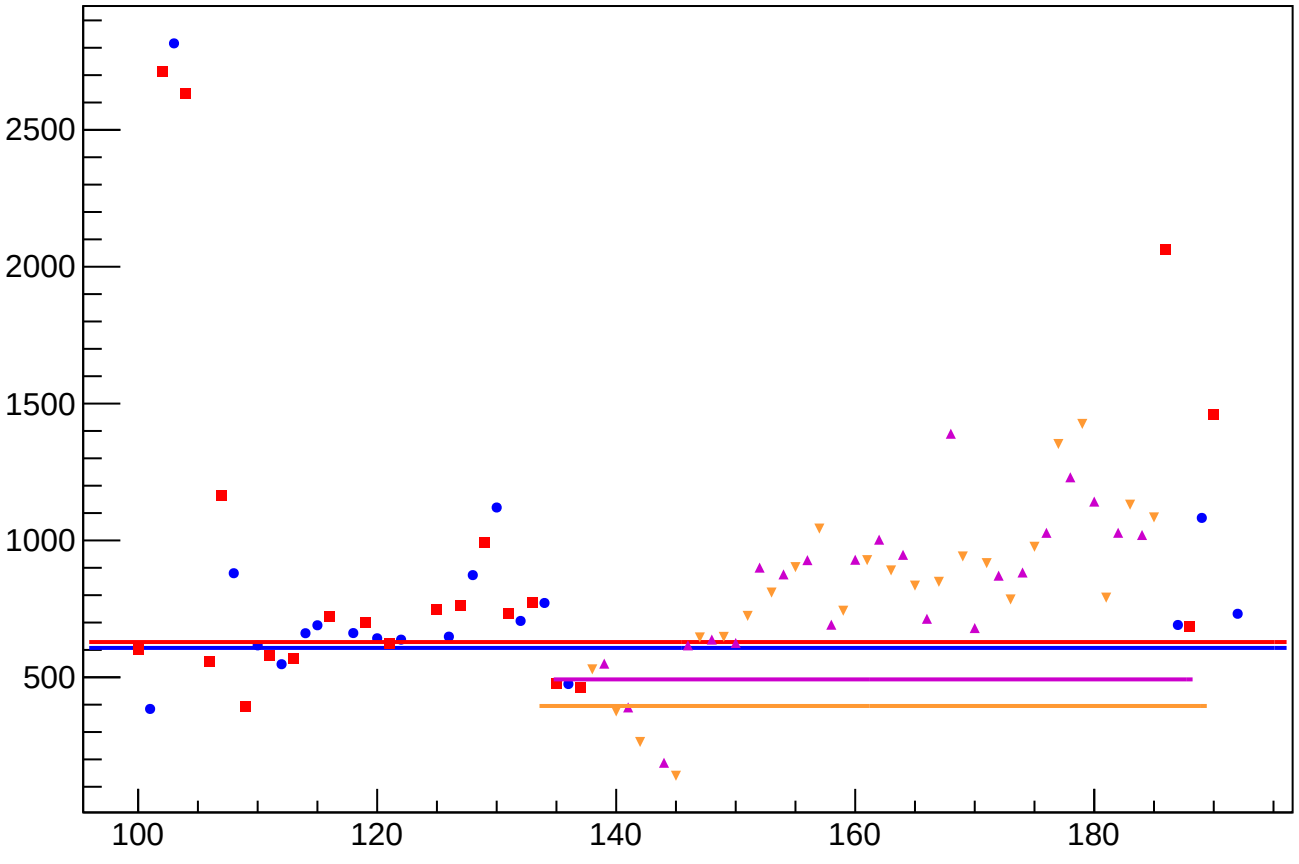
Right Out: 181.537+/-231.299 χ^2/NDF: 21.0/20

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 50.915+/-104.554 χ^2/NDF: 34.4/42

All: 9.677+/-78.246 χ^2/NDF: 73.5/86

- sign -42.822+/-117.970 χ^2/NDF: 38.7/43



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

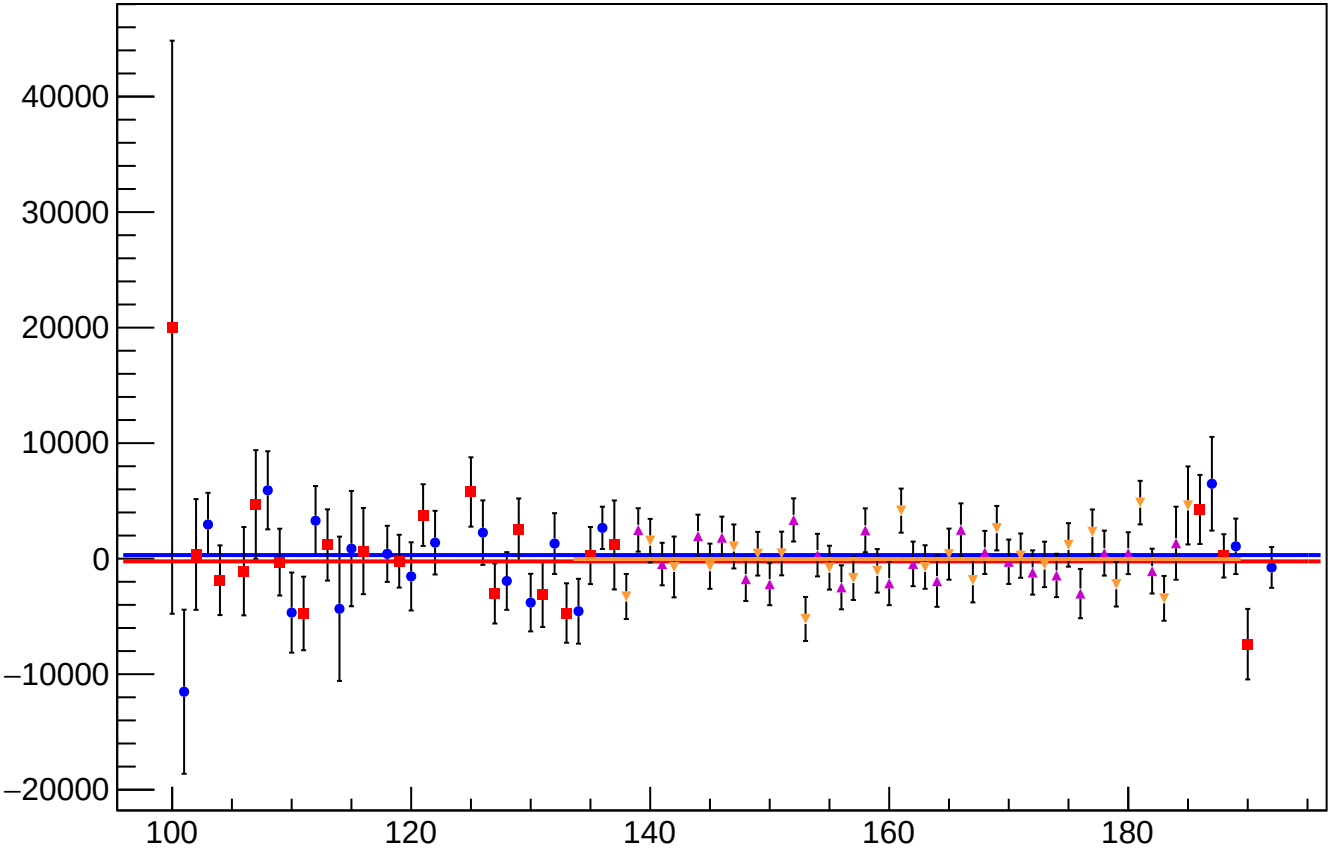
Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 444.478+/-0.074 χ^2/NDF: 17841236.7/42

All: 481.131+/-0.055 χ^2/NDF: 32164633.6/86

- sign 527.794+/-0.083 χ^2/NDF: 13764693.4/43

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 311.013+/-633.459 χ^2/NDF: 22.2/18

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: -233.673+/-645.262 χ^2/NDF: 24.9/20

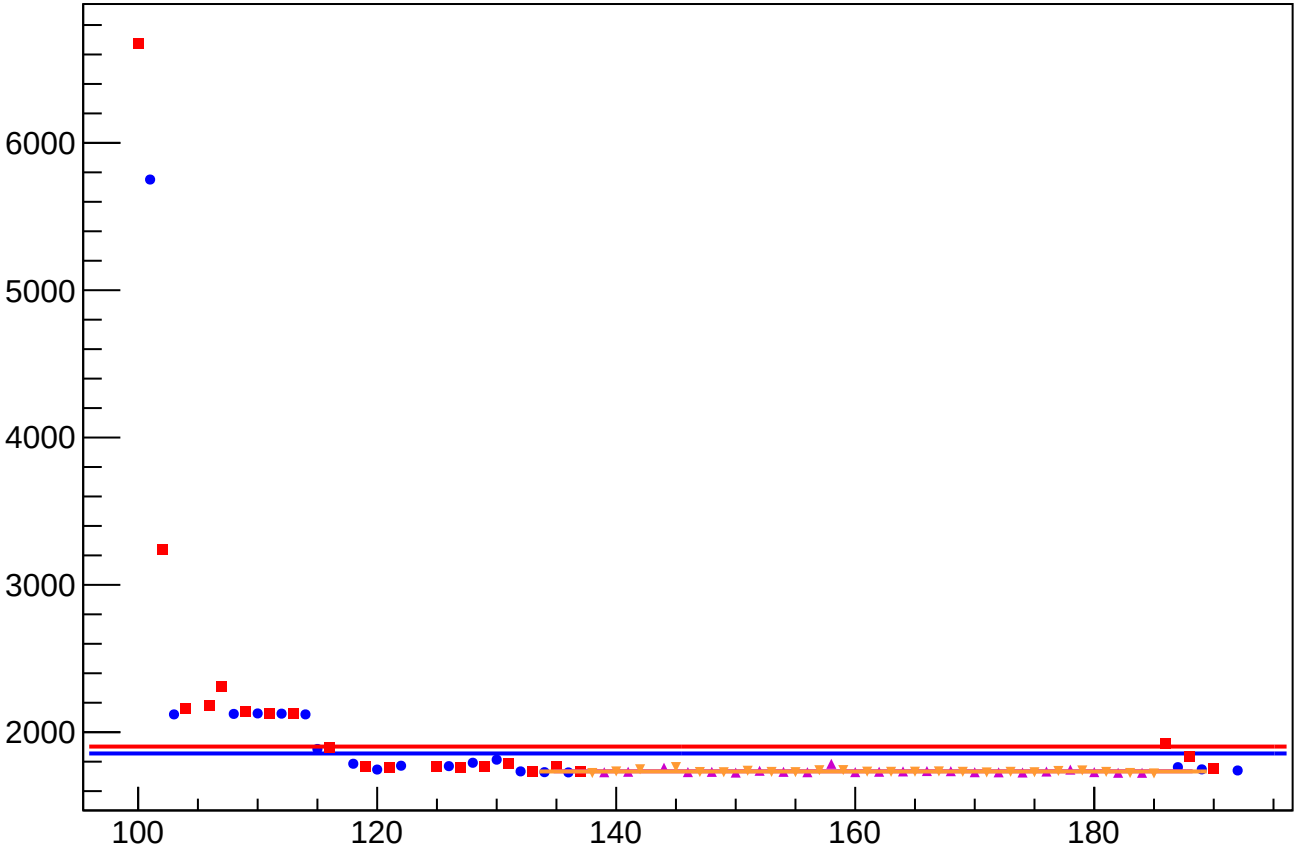
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 68.450+/-339.612 χ^2/NDF: 57.9/42

All: -13.198+/-241.352 χ^2/NDF: 102.8/86

- sign -96.513+/-343.061 χ^2/NDF: 44.8/43

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1855.598+/-0.448 χ^2/NDF: 706979.8/18

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

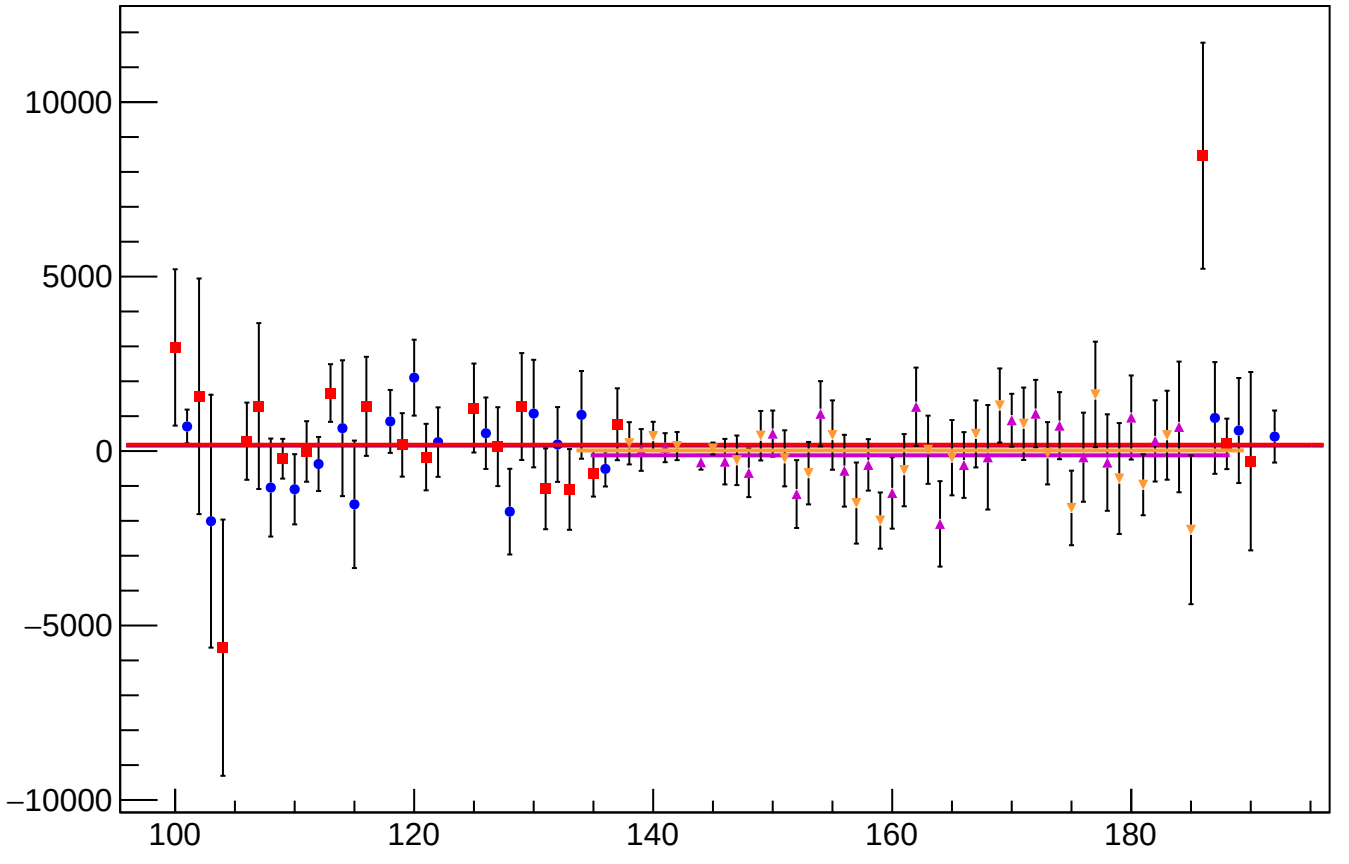
Right Out: 1902.402+/-0.456 χ^2/NDF: 360744.1/20

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1768.579+/-0.240 χ^2/NDF: 760846.2/42

All: 1775.312+/-0.171 χ^2/NDF: 1222135.0/86

- sign 1782.182+/-0.243 χ^2/NDF: 459700.5/43



Right In: 159.566+/-216.904 χ^2/NDF: 14.6/18

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

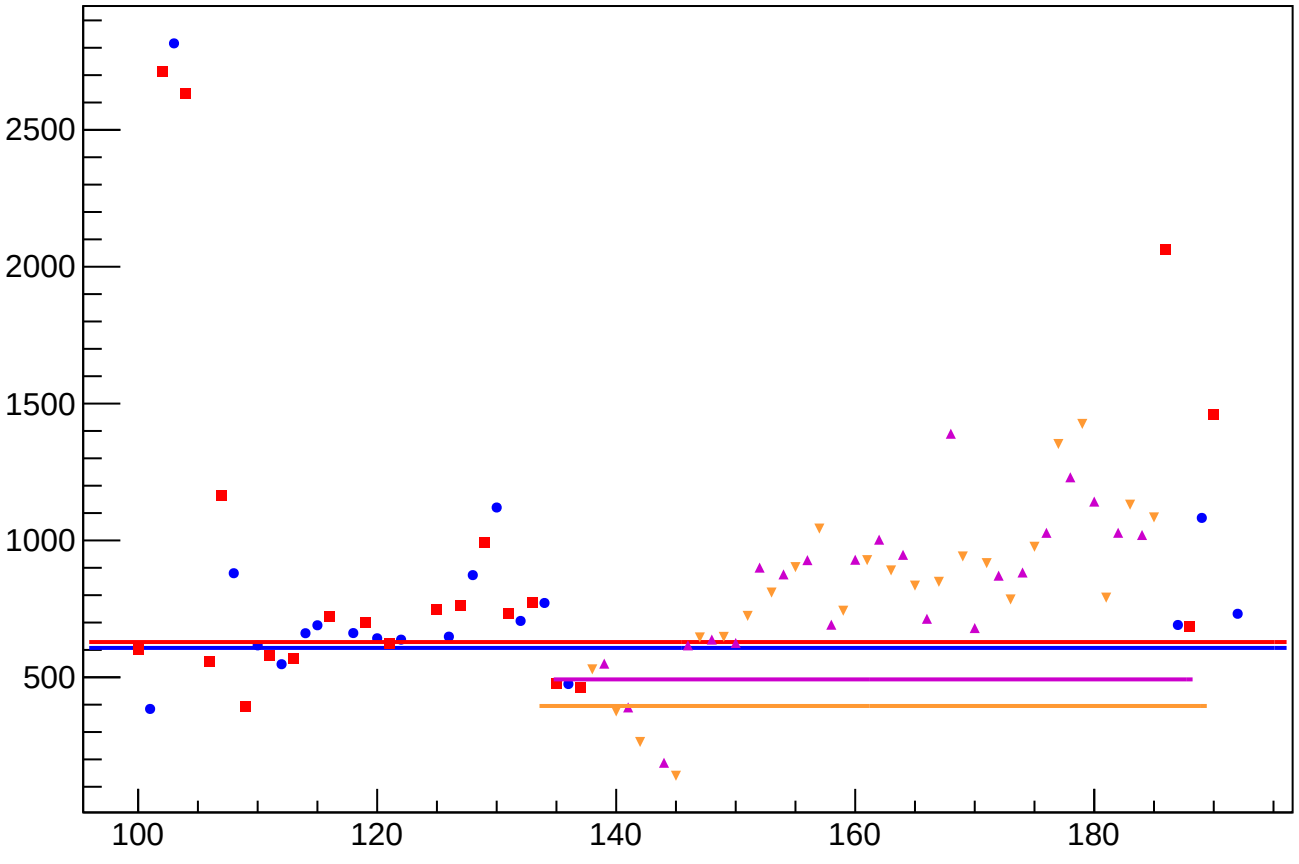
Right Out: 181.536+/-231.298 χ^2/NDF: 21.0/20

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 50.913+/-104.554 χ^2/NDF: 34.4/42

All: 9.676+/-78.246 χ^2/NDF: 73.5/86

- sign -42.822+/-117.970 χ^2/NDF: 38.7/43



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

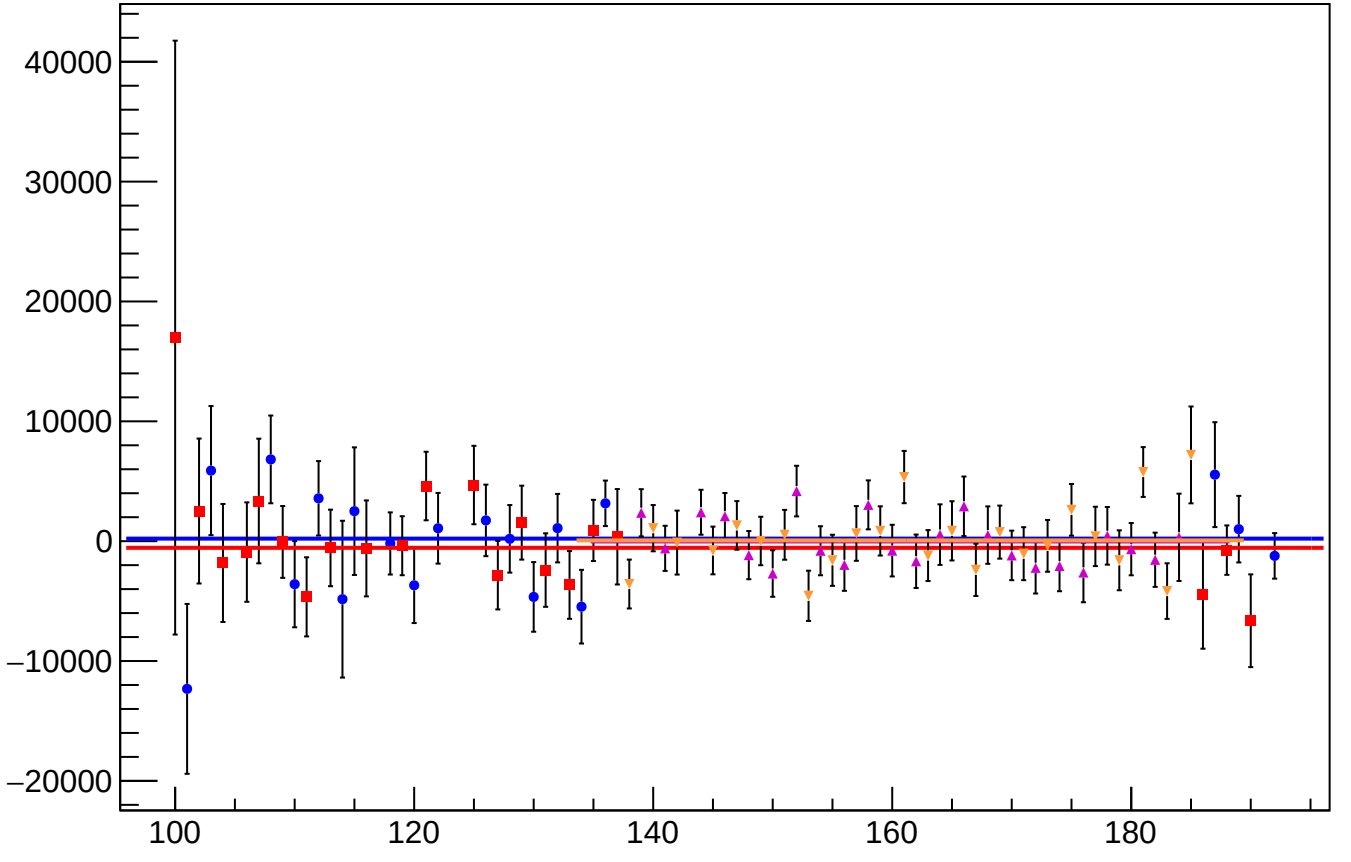
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 444.478+/-0.074 χ^2/NDF: 17841244.4/42

All: 481.131+/-0.055 χ^2/NDF: 32164653.9/86

- sign 527.794+/-0.083 χ^2/NDF: 13764706.1/43

asym_us_avg_at1lr_avg_dd_mean vs Slug



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

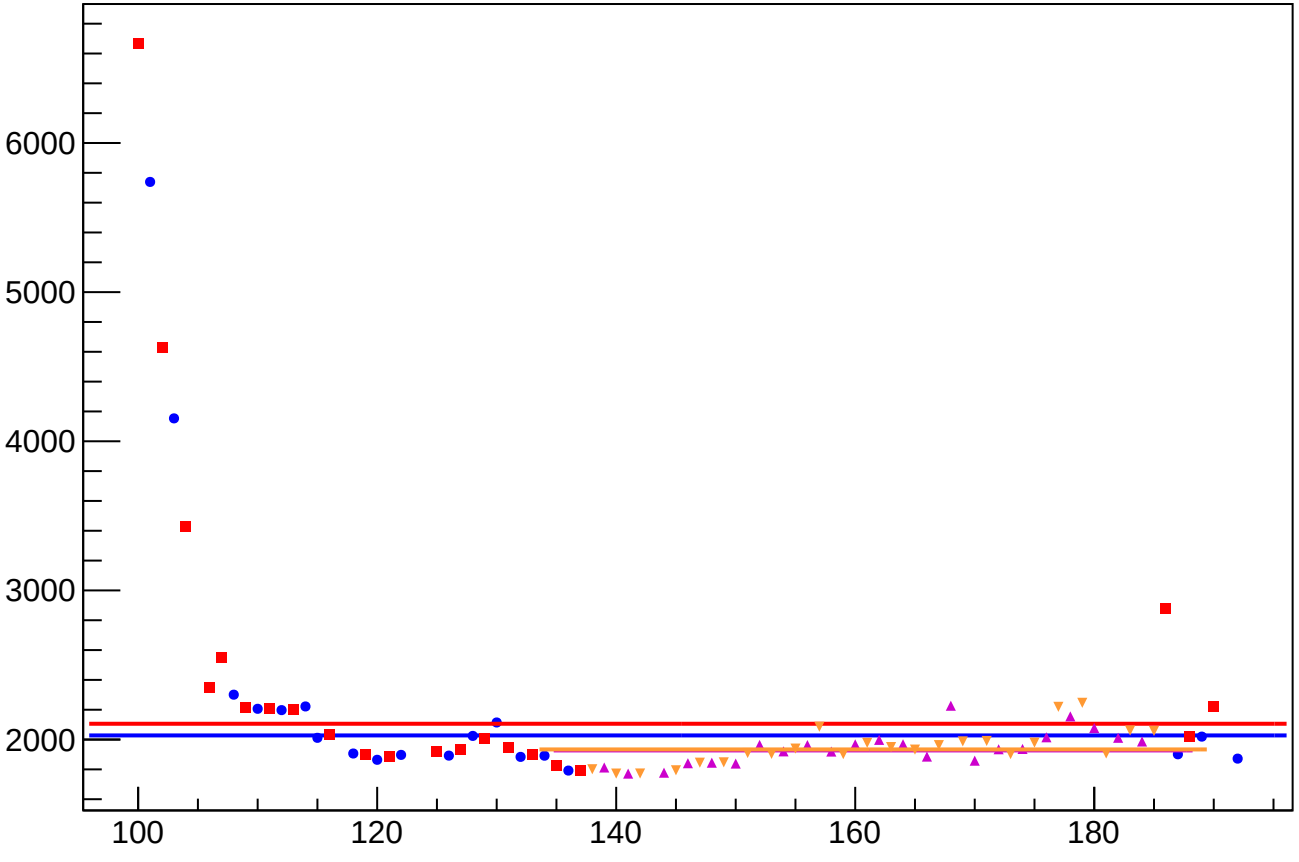
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 109.692+/-378.013 χ^2/NDF: 56.9/42

All: -31.333+/-268.635 χ^2/NDF: 92.7/86

- sign -175.222+/-381.831 χ^2/NDF: 35.4/43

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2027.702+/-0.493 χ^2/NDF: 958186.1/18

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

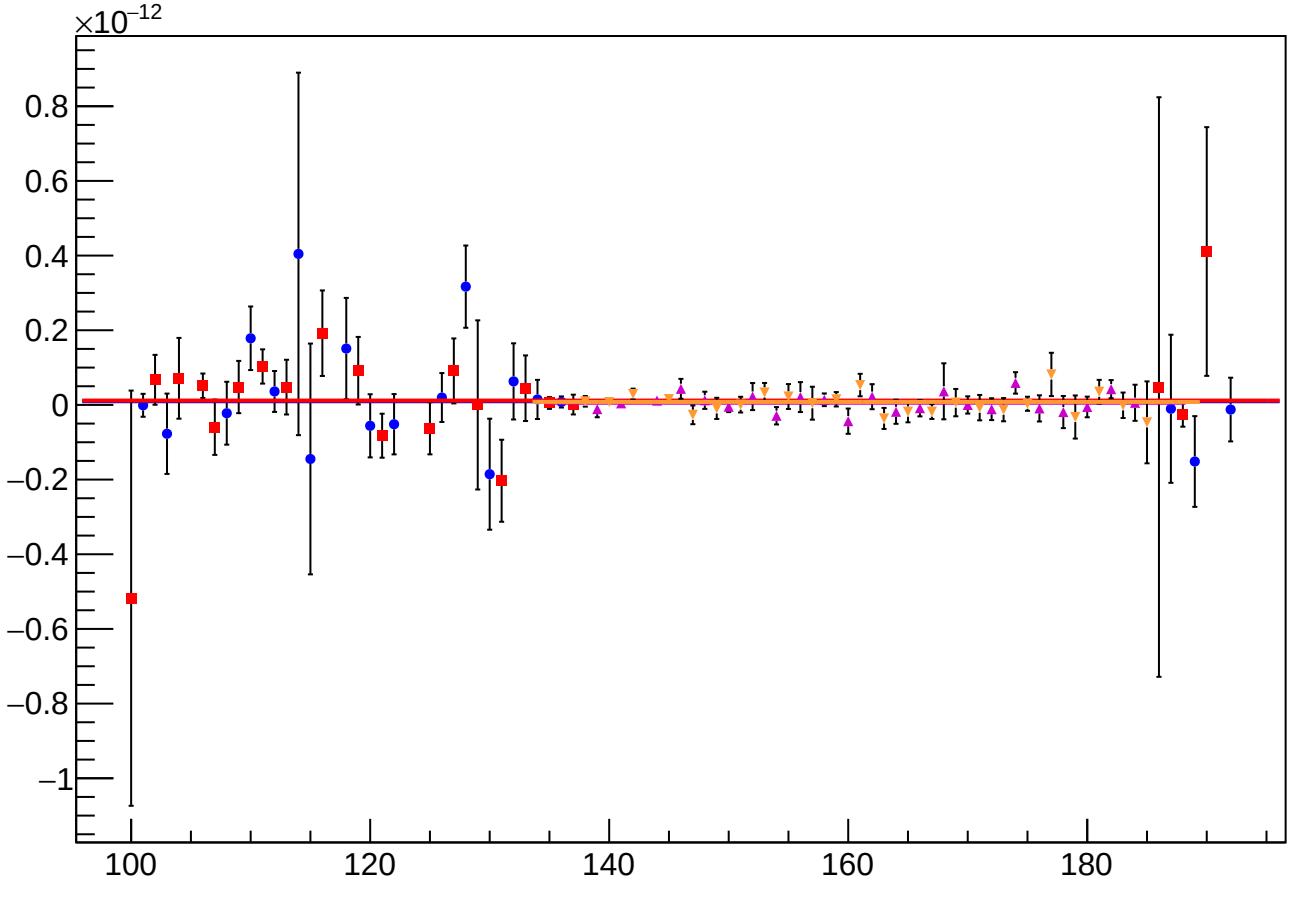
Right Out: 2105.930+/-0.508 χ^2/NDF: 747290.6/20

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1961.369+/-0.267 χ^2/NDF: 1112309.5/42

All: 1969.416+/-0.190 χ^2/NDF: 2066751.4/86

- sign 1977.626+/-0.270 χ^2/NDF: 952611.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

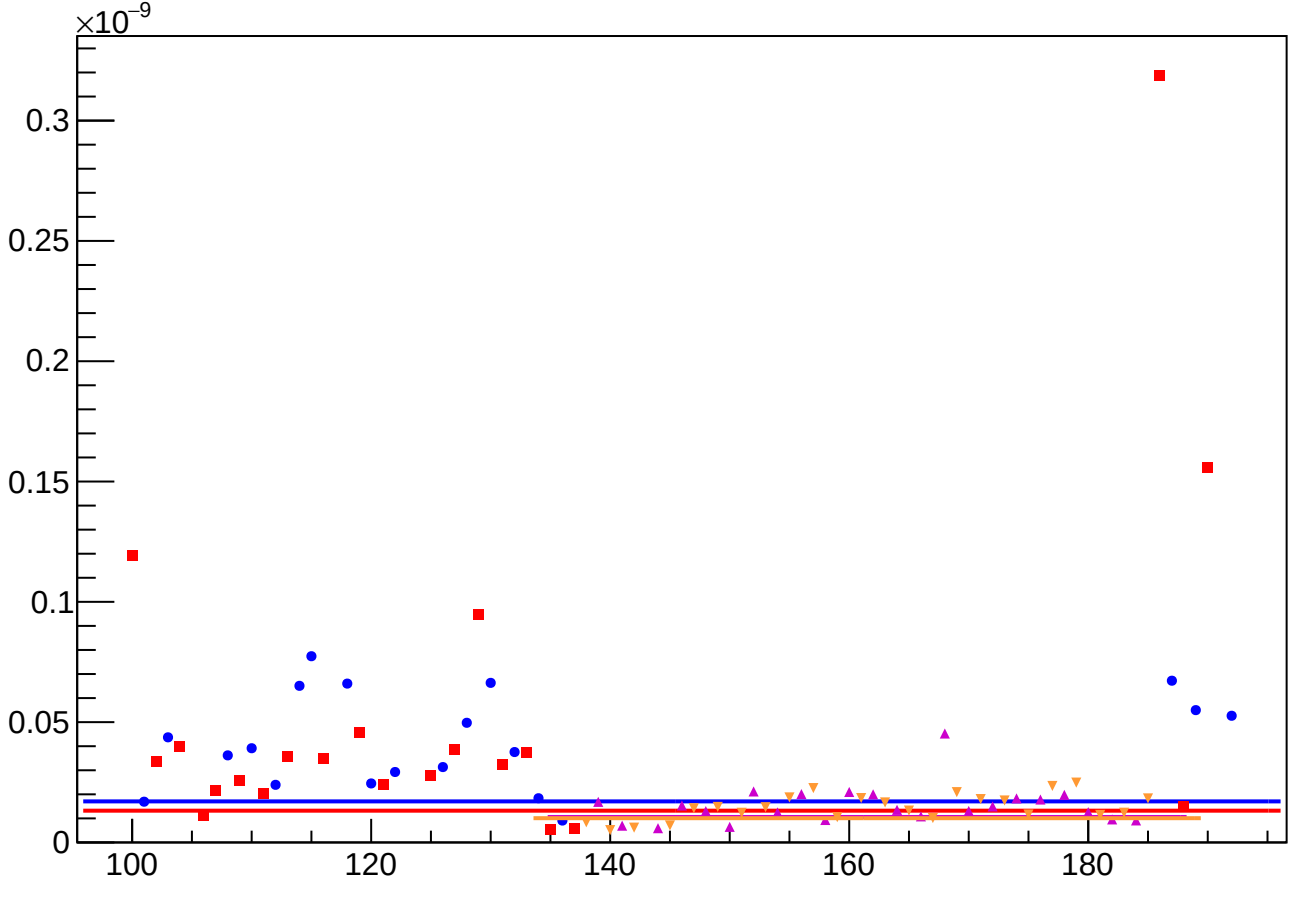
Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/20

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/42

All: 0.000+/-0.000 χ^2/NDF: 78.1/86

- sign 0.000+/-0.000 χ^2/NDF: 40.7/43



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

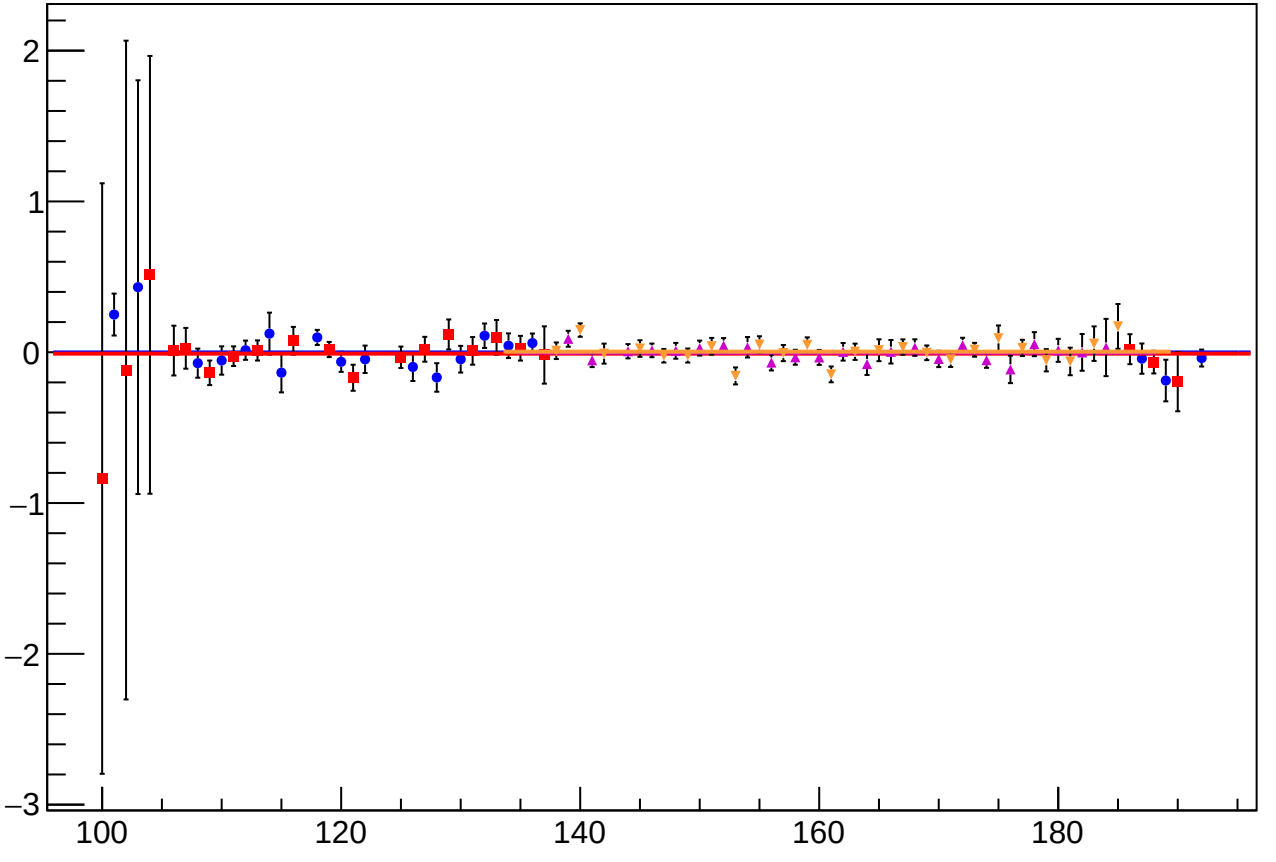
Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5555056.6/42

All: 0.000+/-0.000 χ^2/NDF: 11417782.3/86

- sign 0.000+/-0.000 χ^2/NDF: 5862624.7/43

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.019 χ^2/NDF: 21.2/18

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

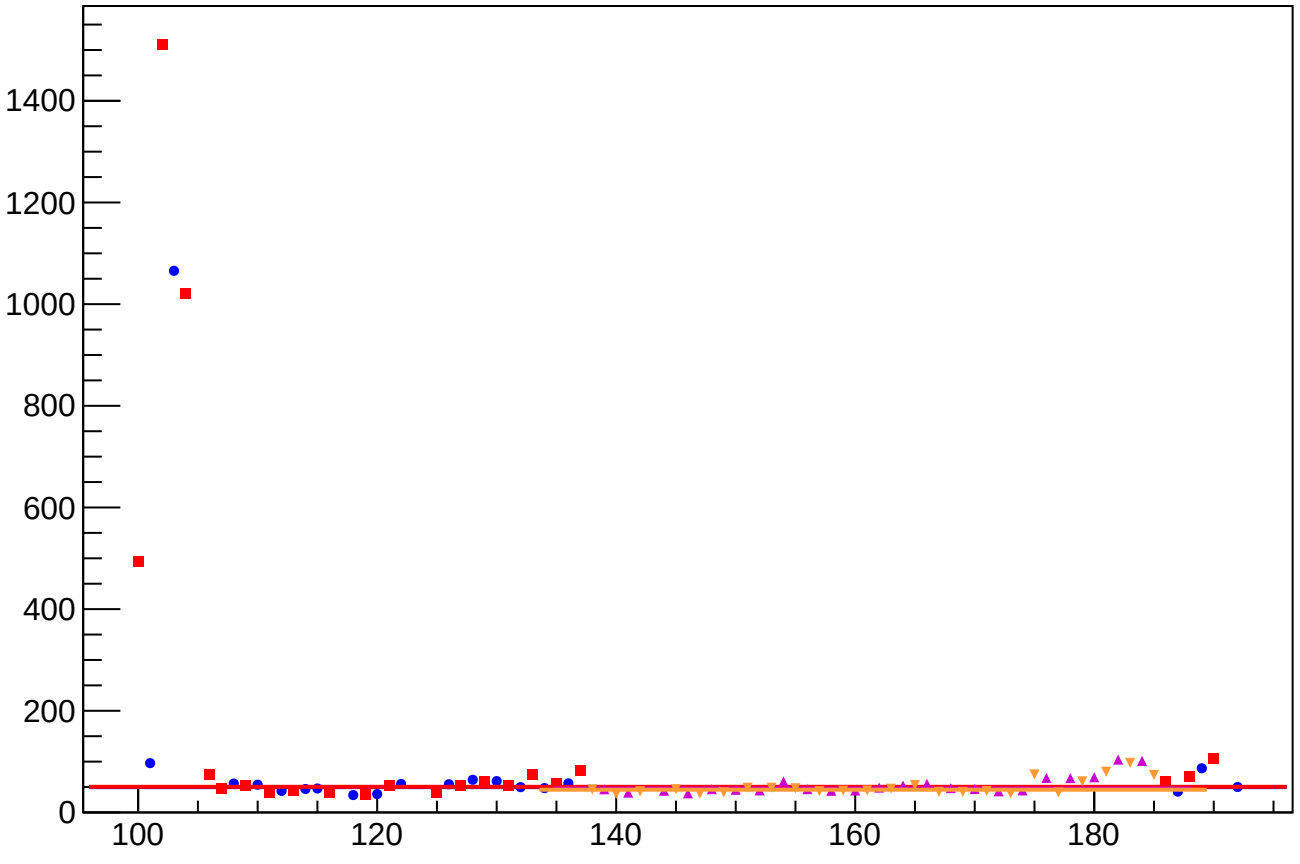
Right Out: -0.009+/-0.020 χ^2/NDF: 12.1/20

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 56.3/42

All: -0.001+/-0.007 χ^2/NDF: 83.1/86

- sign -0.004+/-0.010 χ^2/NDF: 26.6/43



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

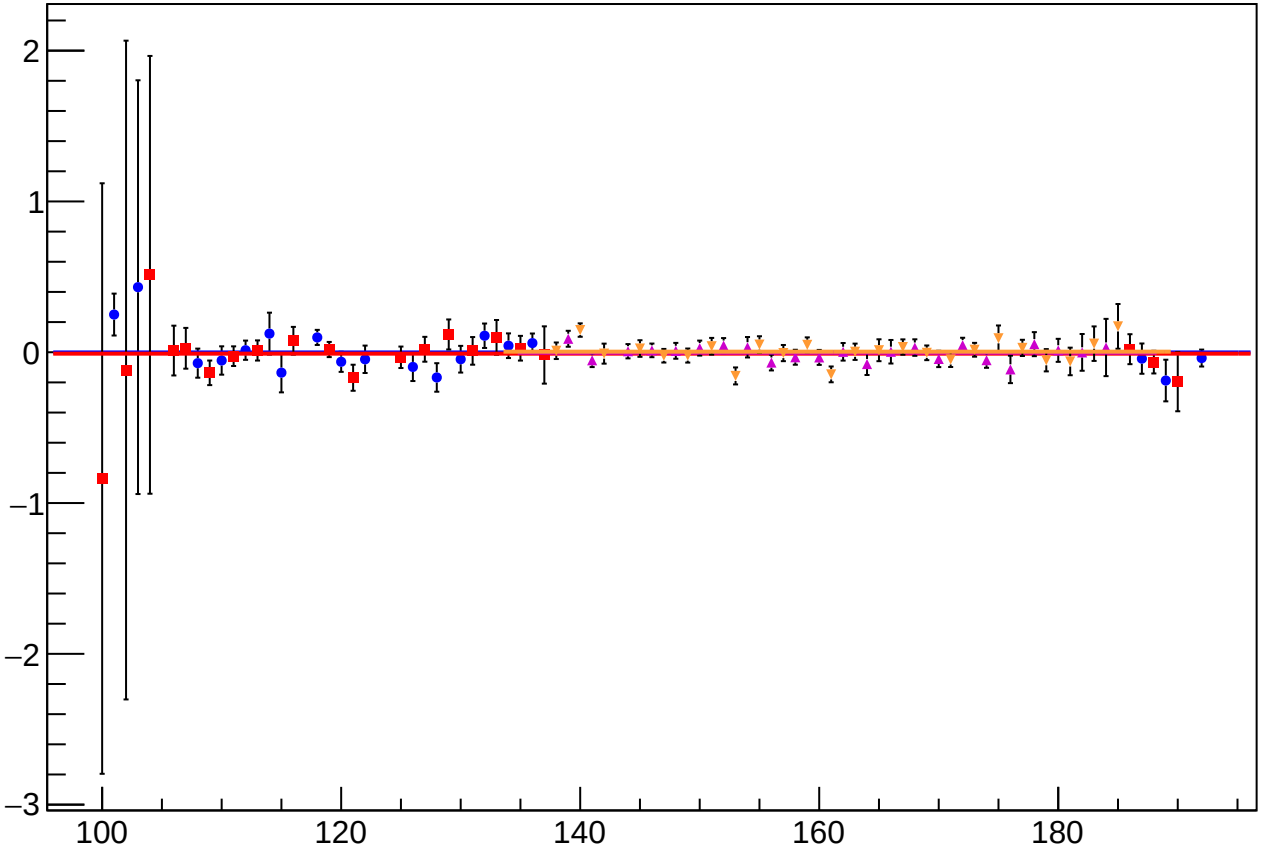
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 46.092+/-0.007 χ^2/NDF: 3524176.5/42

All: 46.968+/-0.005 χ^2/NDF: 7764126.8/86

- sign 47.919+/-0.007 χ^2/NDF: 4207010.5/43

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.019 χ^2/NDF: 21.2/18

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

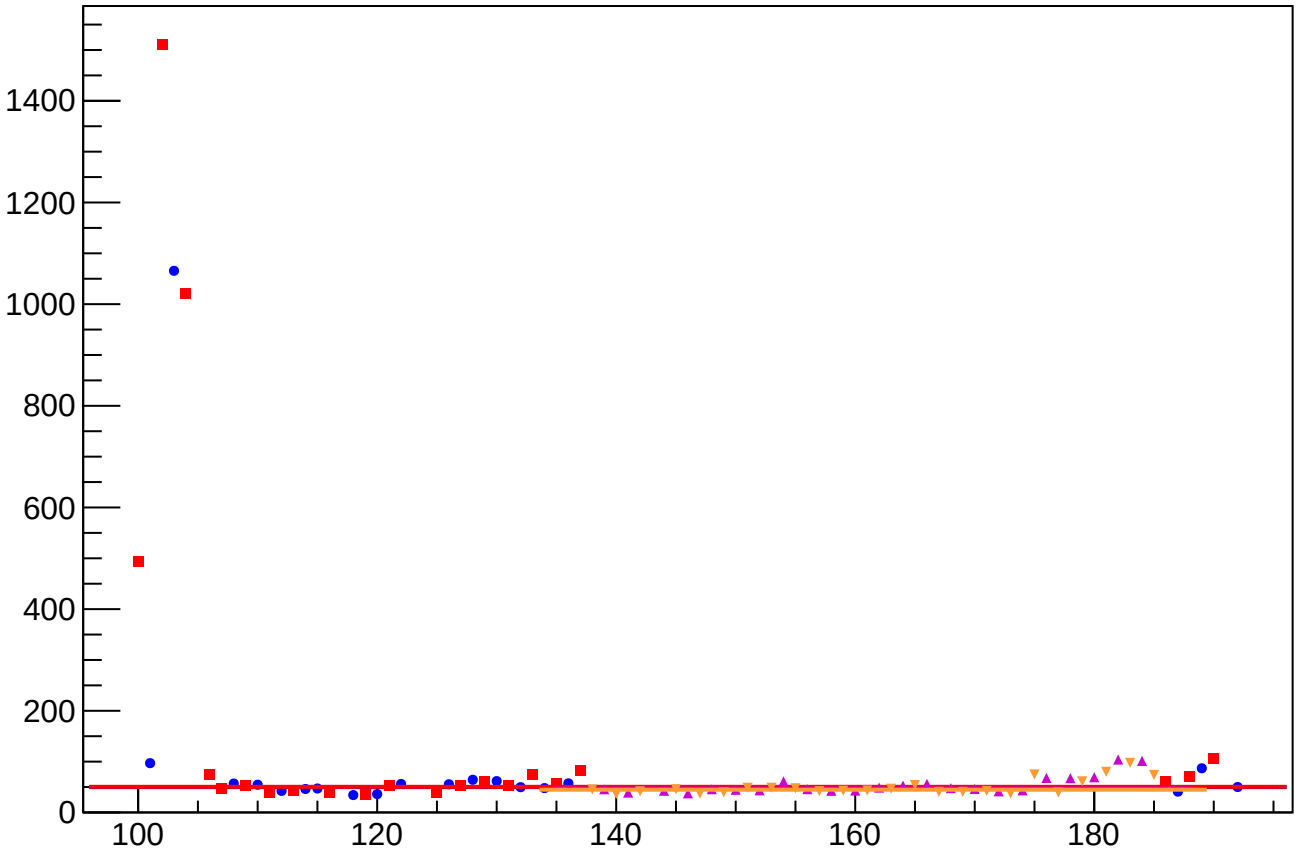
Right Out: -0.009+/-0.020 χ^2/NDF: 12.1/20

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 56.3/42

All: -0.001+/-0.007 χ^2/NDF: 83.1/86

- sign -0.004+/-0.010 χ^2/NDF: 26.6/43



Right In: 49.831+/-0.013 χ^2/NDF: 1938074.5/18

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

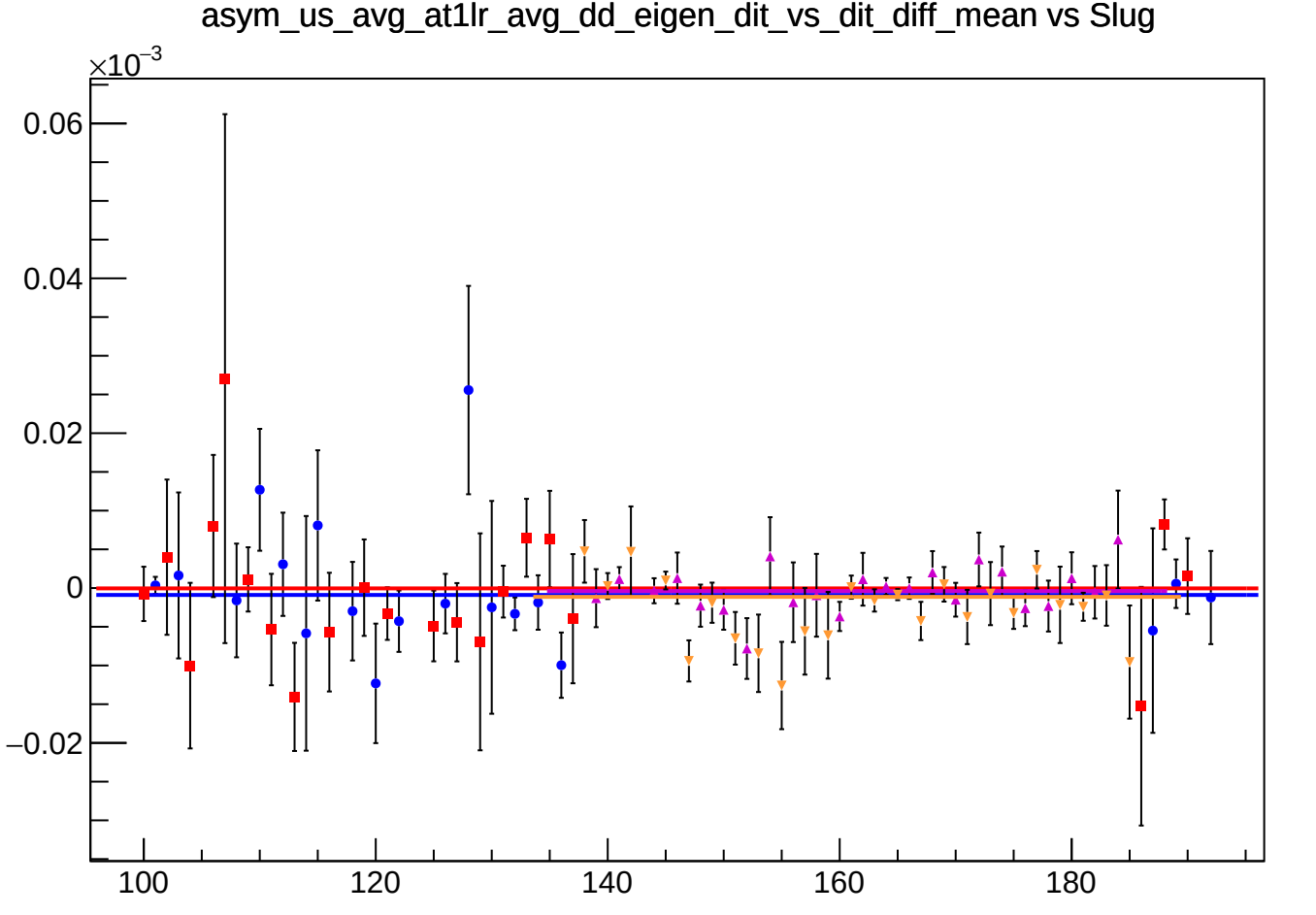
Right Out: 50.434+/-0.014 χ^2/NDF: 2781697.7/20

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 46.092+/-0.007 χ^2/NDF: 3524176.5/42

All: 46.968+/-0.005 χ^2/NDF: 7764126.8/86

- sign 47.919+/-0.007 χ^2/NDF: 4207010.5/43



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

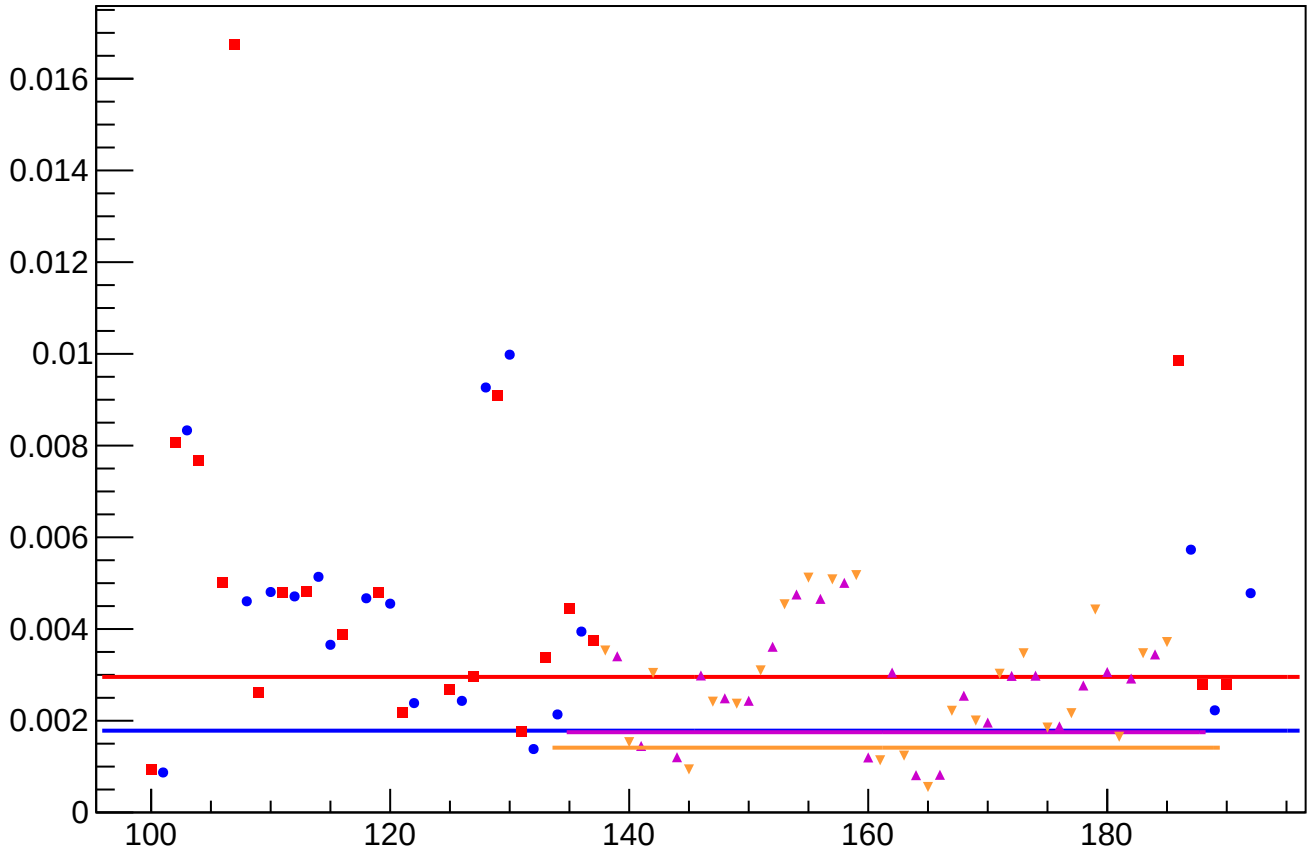
Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/20

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.8/42

All: -0.000+/-0.000 χ^2/NDF: 94.2/86

- sign -0.000+/-0.000 χ^2/NDF: 37.7/43



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

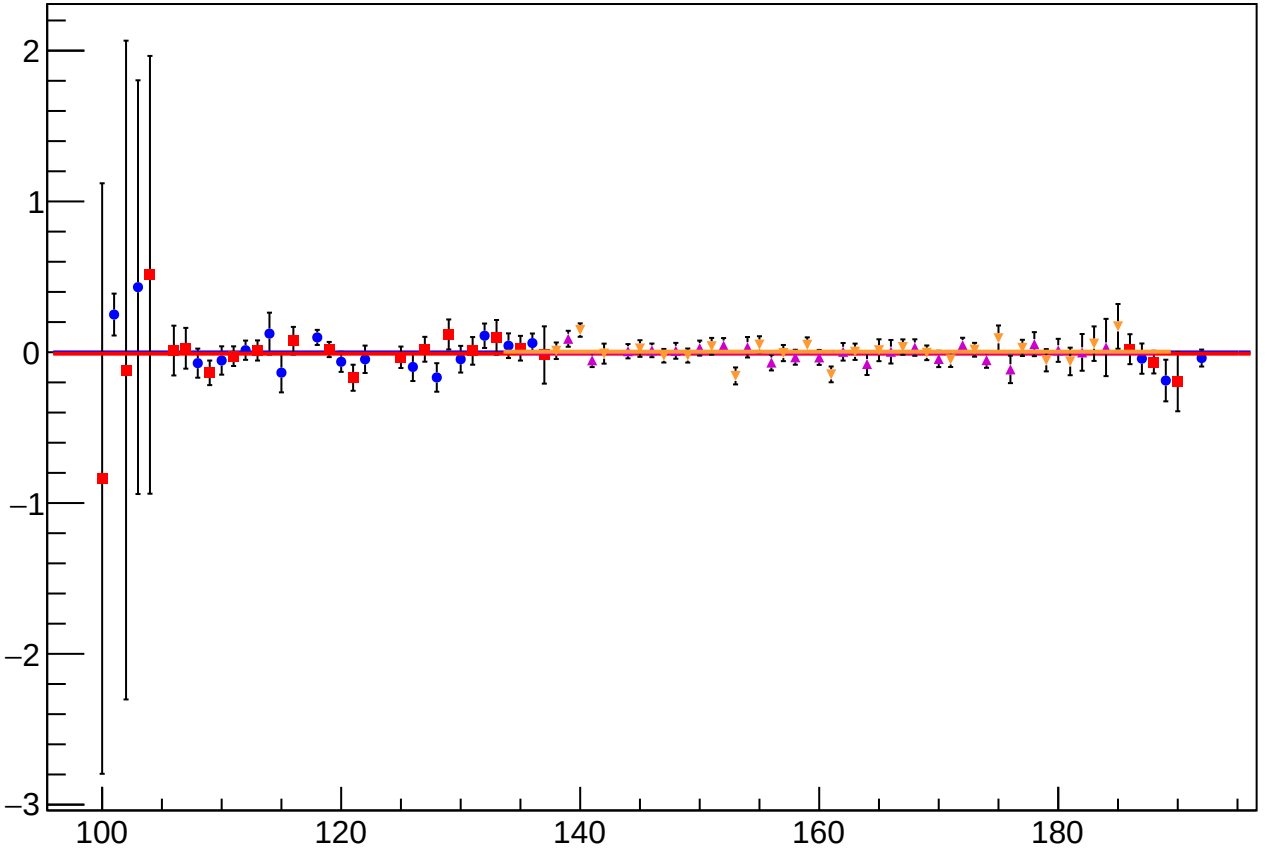
Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 18638328.0/42

All: 0.002+/-0.000 χ^2/NDF: 33658145.5/86

- sign 0.002+/-0.000 χ^2/NDF: 13860245.8/43

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.019 χ^2/NDF: 21.2/18

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

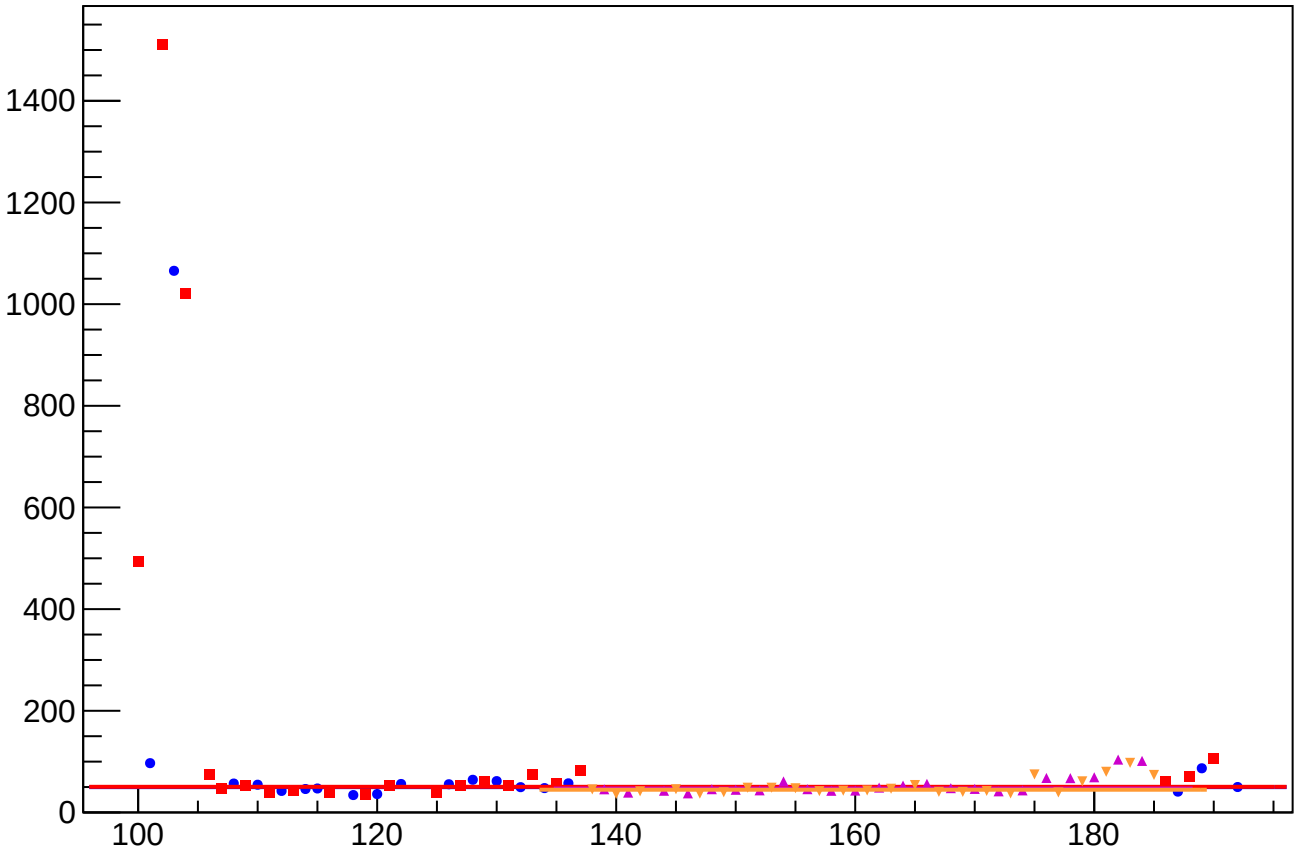
Right Out: -0.009+/-0.020 χ^2/NDF: 12.1/20

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 56.3/42

All: -0.001+/-0.007 χ^2/NDF: 83.1/86

- sign -0.004+/-0.010 χ^2/NDF: 26.6/43



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

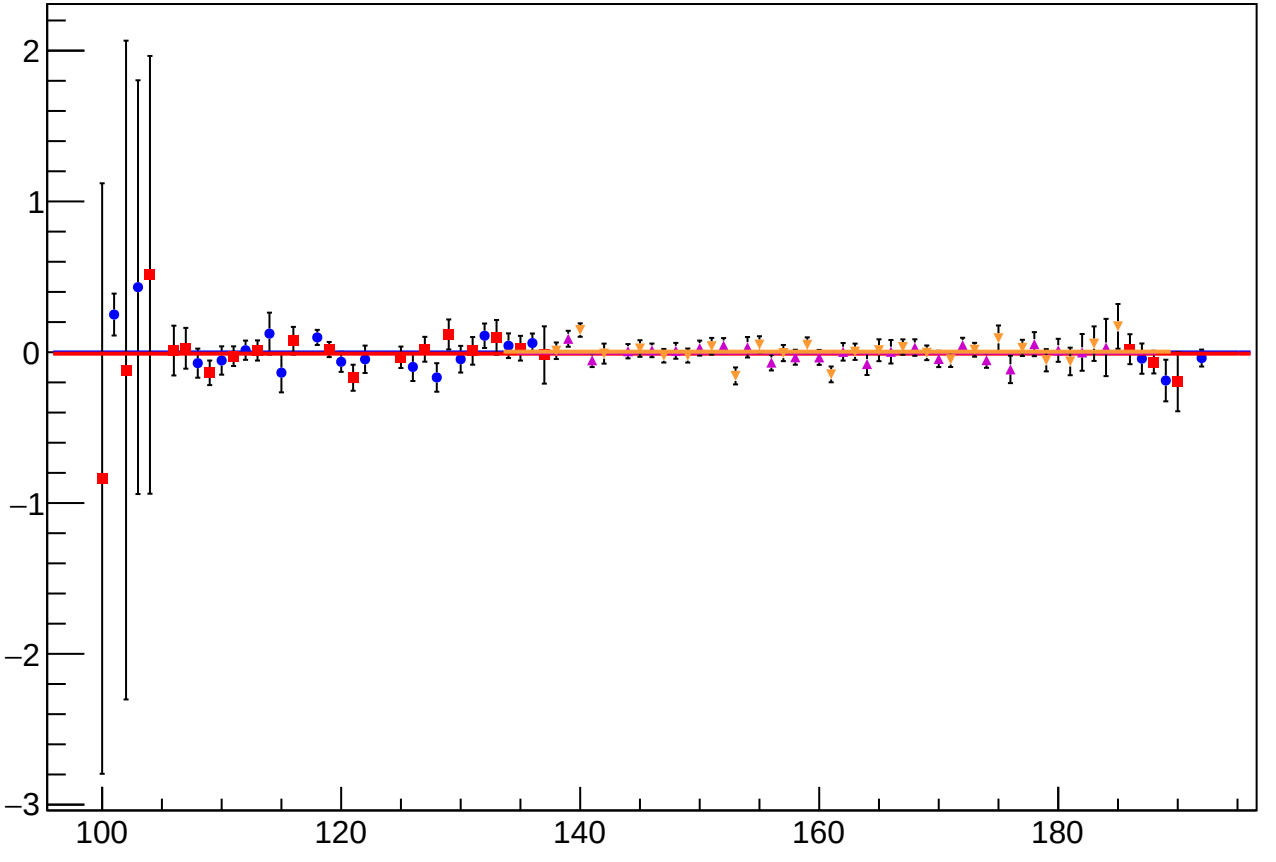
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 46.092+/-0.007 χ^2/NDF: 3524075.5/42

All: 46.968+/-0.005 χ^2/NDF: 7764113.2/86

- sign 47.918+/-0.007 χ^2/NDF: 4207113.5/43

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.019 χ^2/NDF: 21.2/18

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

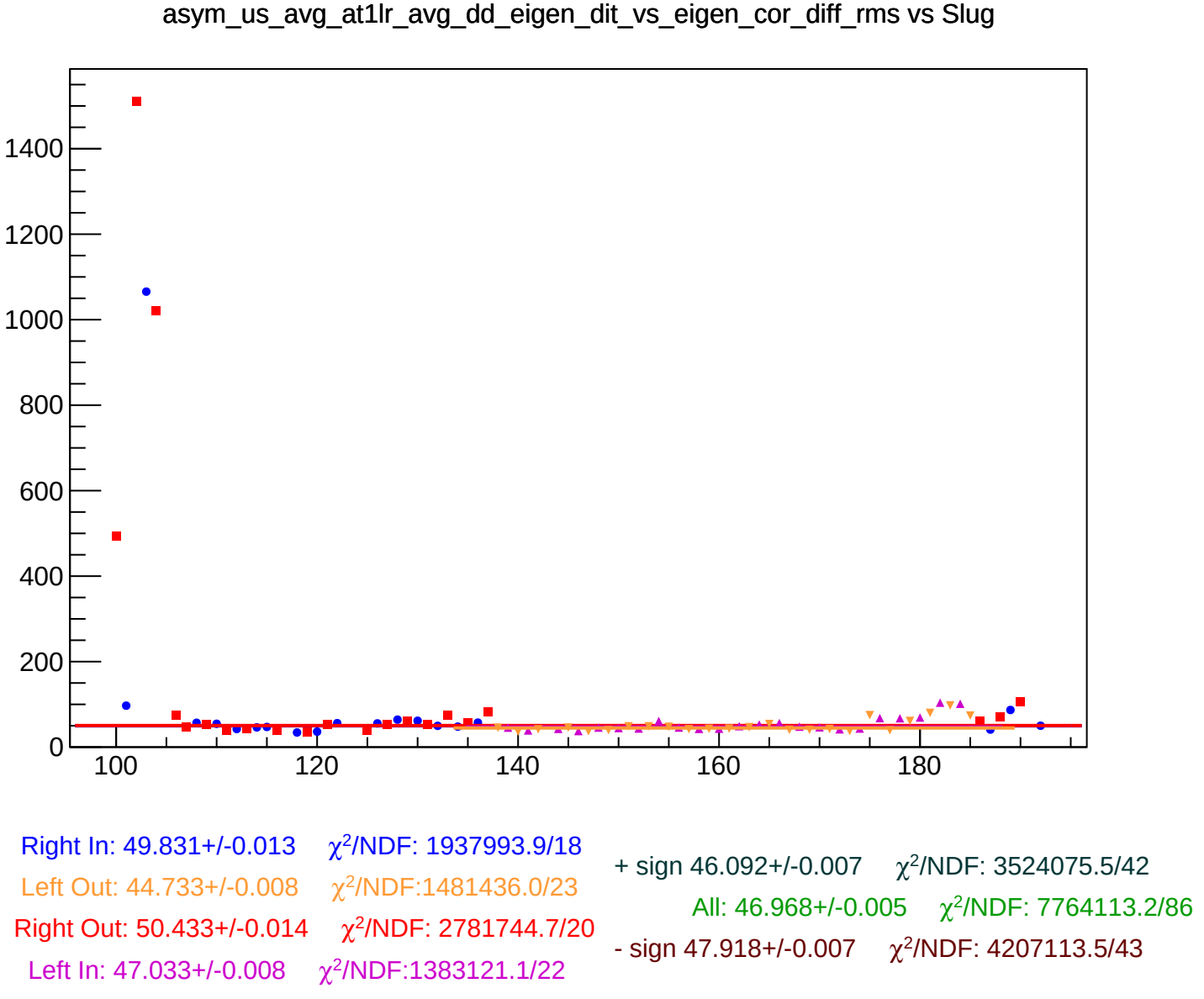
Right Out: -0.009+/-0.020 χ^2/NDF: 12.1/20

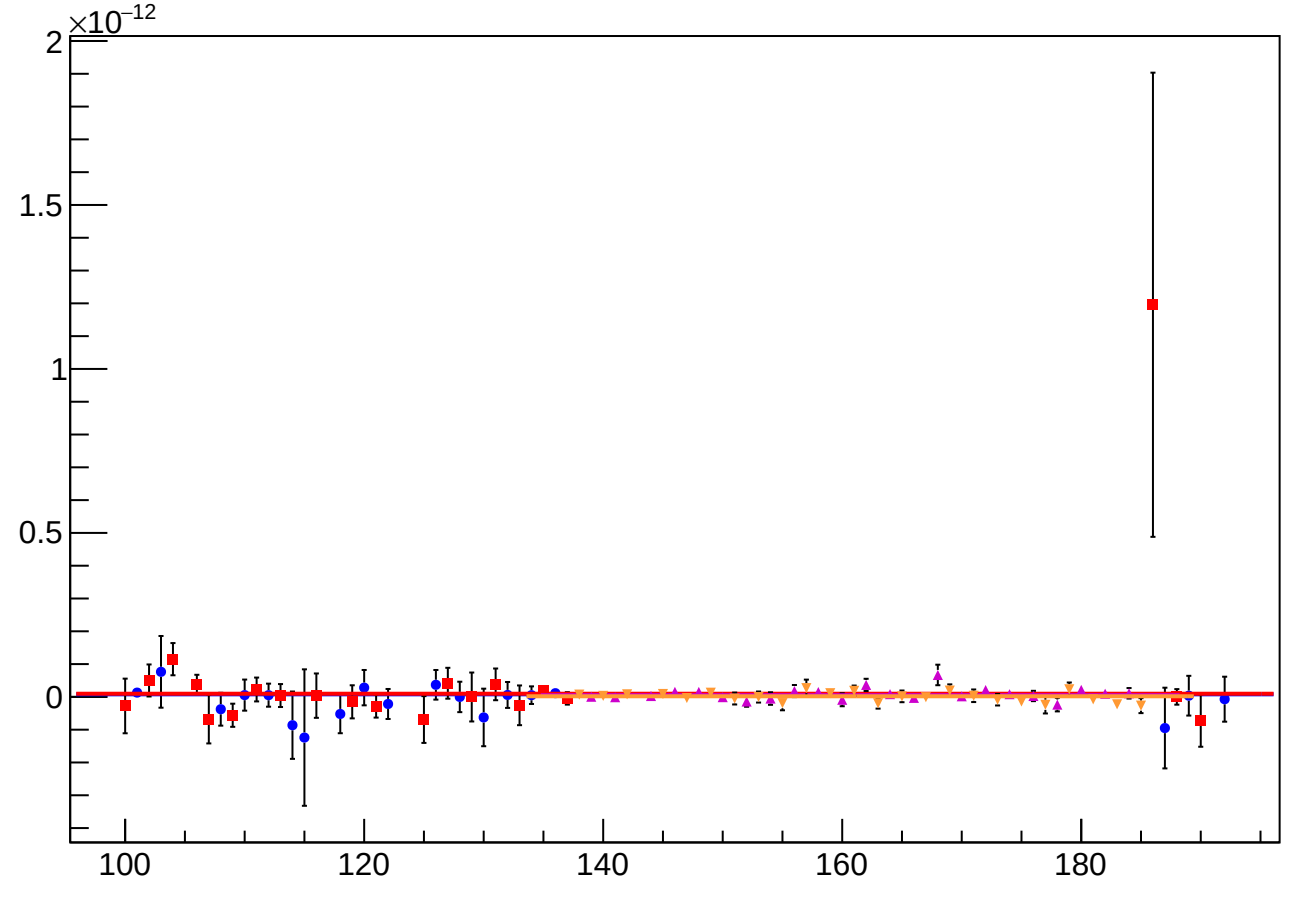
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 56.3/42

All: -0.001+/-0.007 χ^2/NDF: 83.1/86

- sign -0.004+/-0.010 χ^2/NDF: 26.6/43


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
120
140
160
180
Right In: 49.831+/-0.013 χ²/NDF: 1937993.9/18
Left Out: 44.733+/-0.008 χ²/NDF:1481436.0/23
Right Out: 50.433+/-0.014 χ²/NDF: 2781744.7/20
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
+ sign 46.092+/-0.007 χ²/NDF: 3524075.5/42
All: 46.968+/-0.005 χ²/NDF: 7764113.2/86
- sign 47.918+/-0.007 χ²/NDF: 4207113.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 6.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

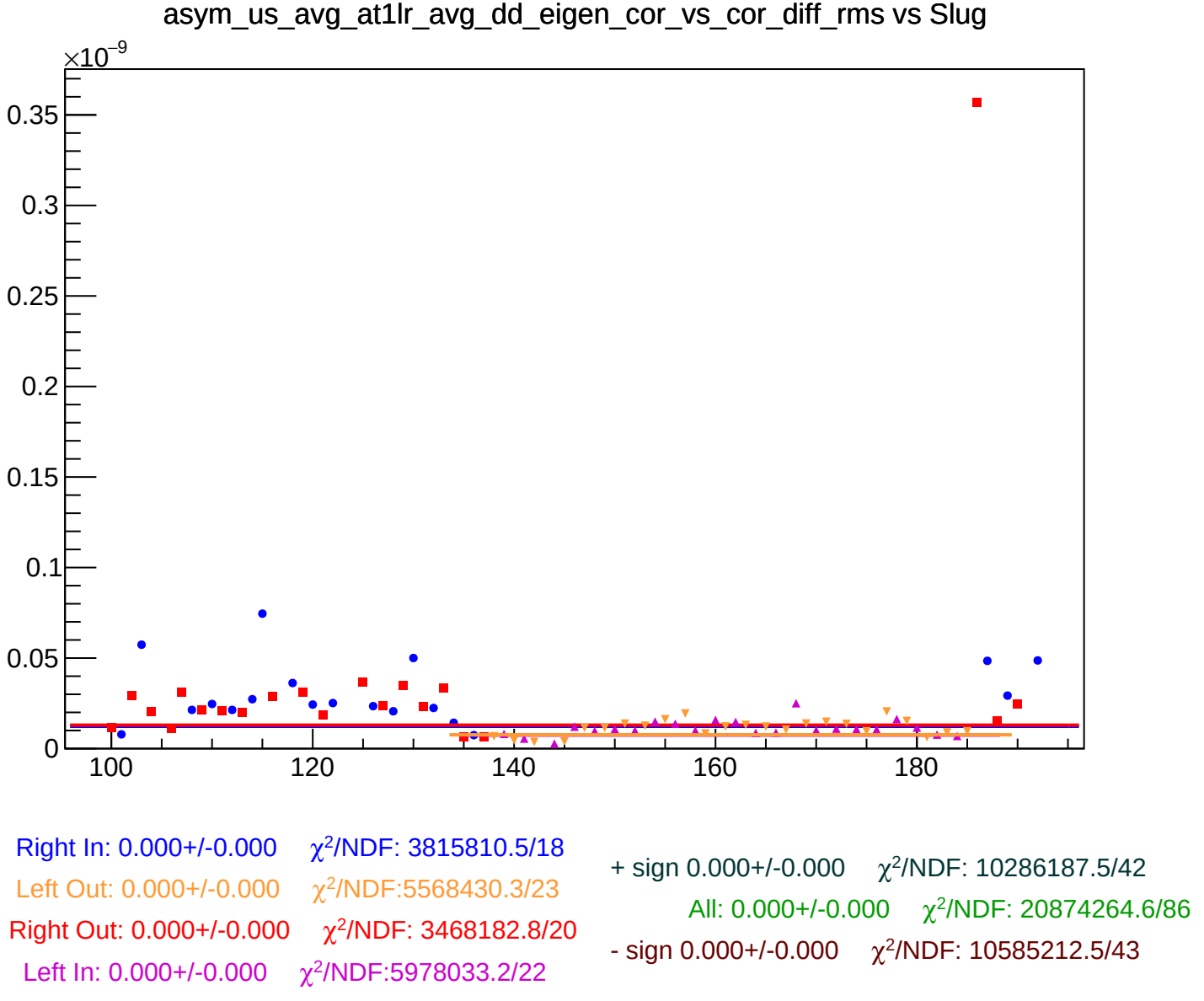
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/20

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

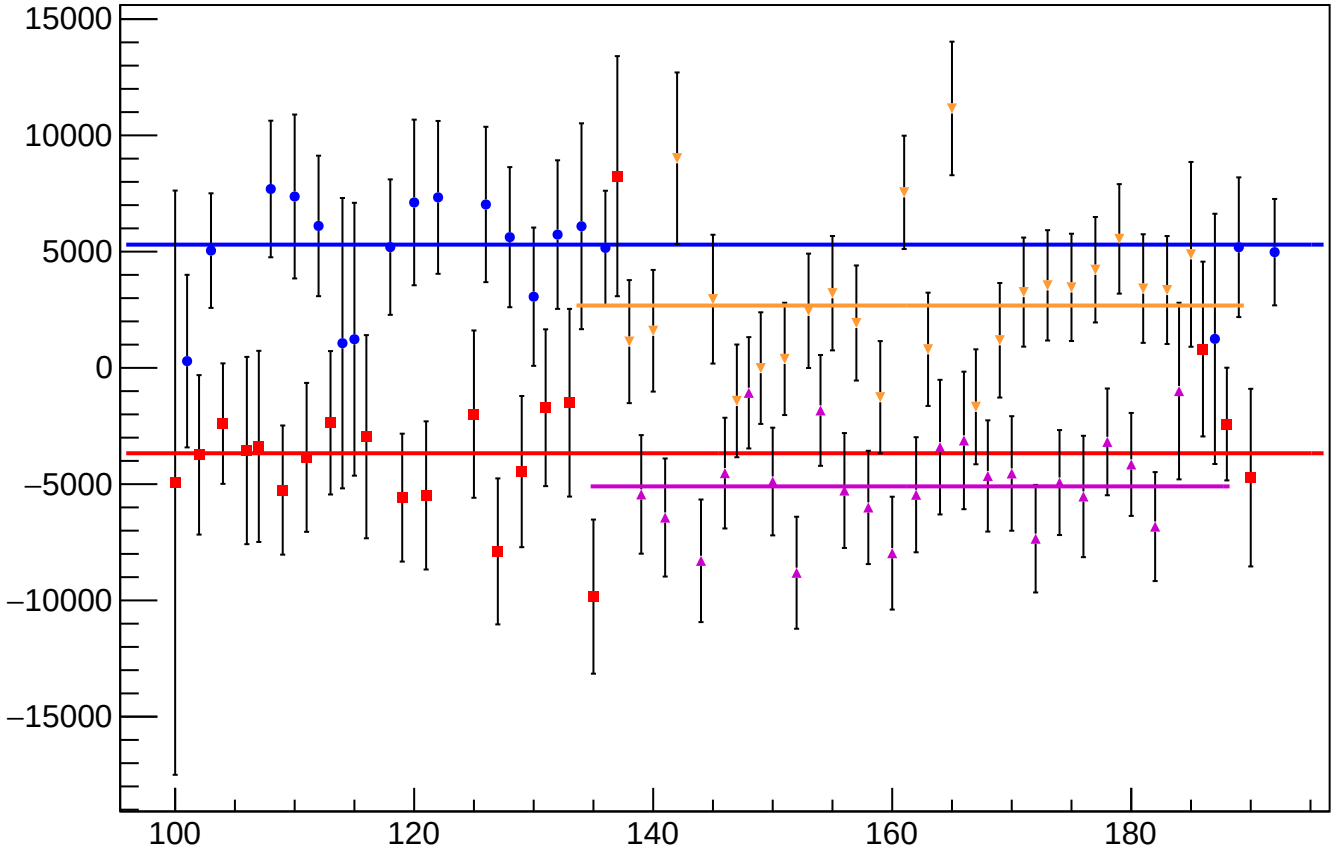
+ sign 0.000+/-0.000 χ^2/NDF: 27.5/42

All: 0.000+/-0.000 χ^2/NDF: 66.9/86

- sign 0.000+/-0.000 χ^2/NDF: 38.5/43


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×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
+ sign 0.000+/-0.000 χ²/NDF: 10286187.5/42
All: 0.000+/-0.000 χ²/NDF: 20874264.6/86
- sign 0.000+/-0.000 χ²/NDF: 10585212.5/43

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



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

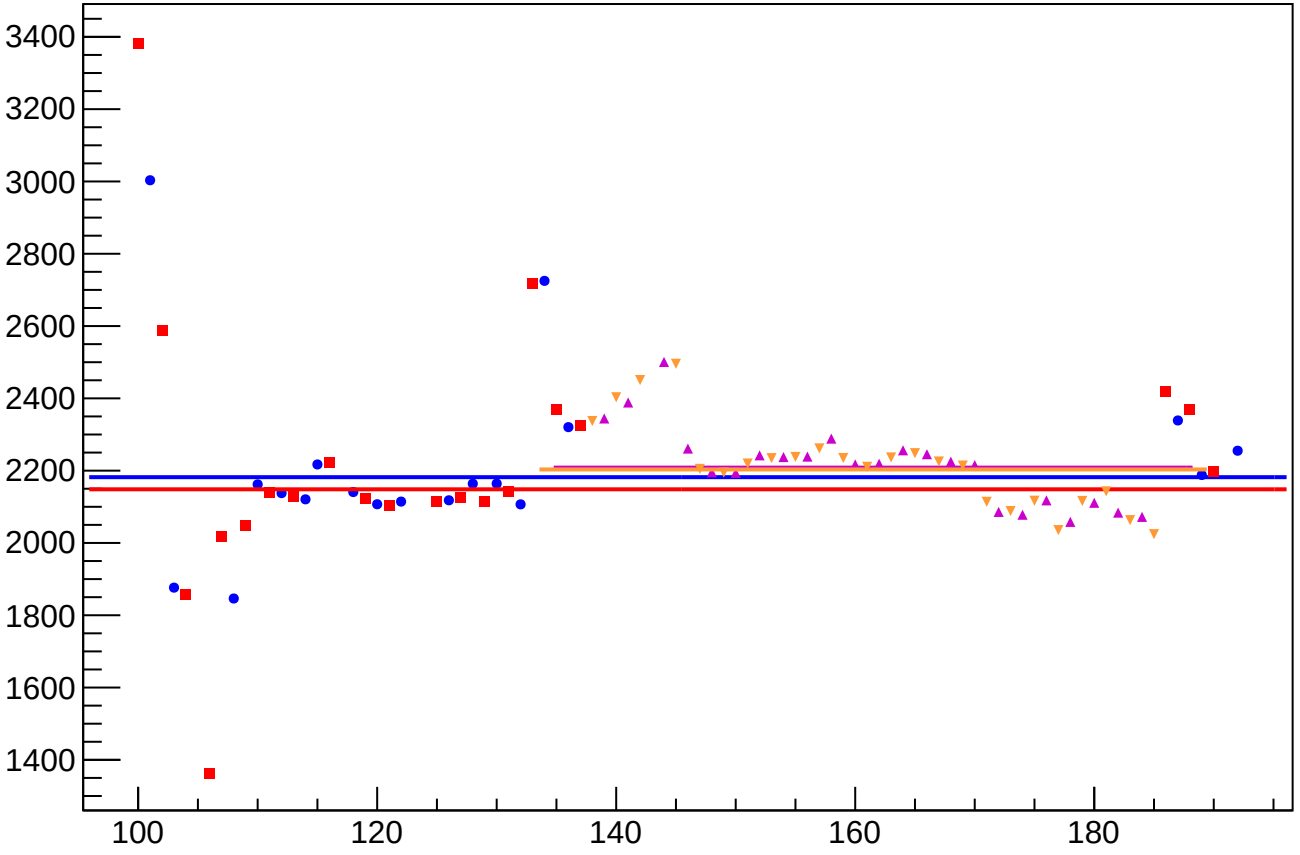
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3538.242+/-420.133 χ^2/NDF: 45.4/42

All: -517.458+/-298.073 χ^2/NDF: 265.3/86

- sign -4627.907+/-422.959 χ^2/NDF: 32.3/43

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2181.968+/-0.520 χ^2/NDF: 199947.2/18

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

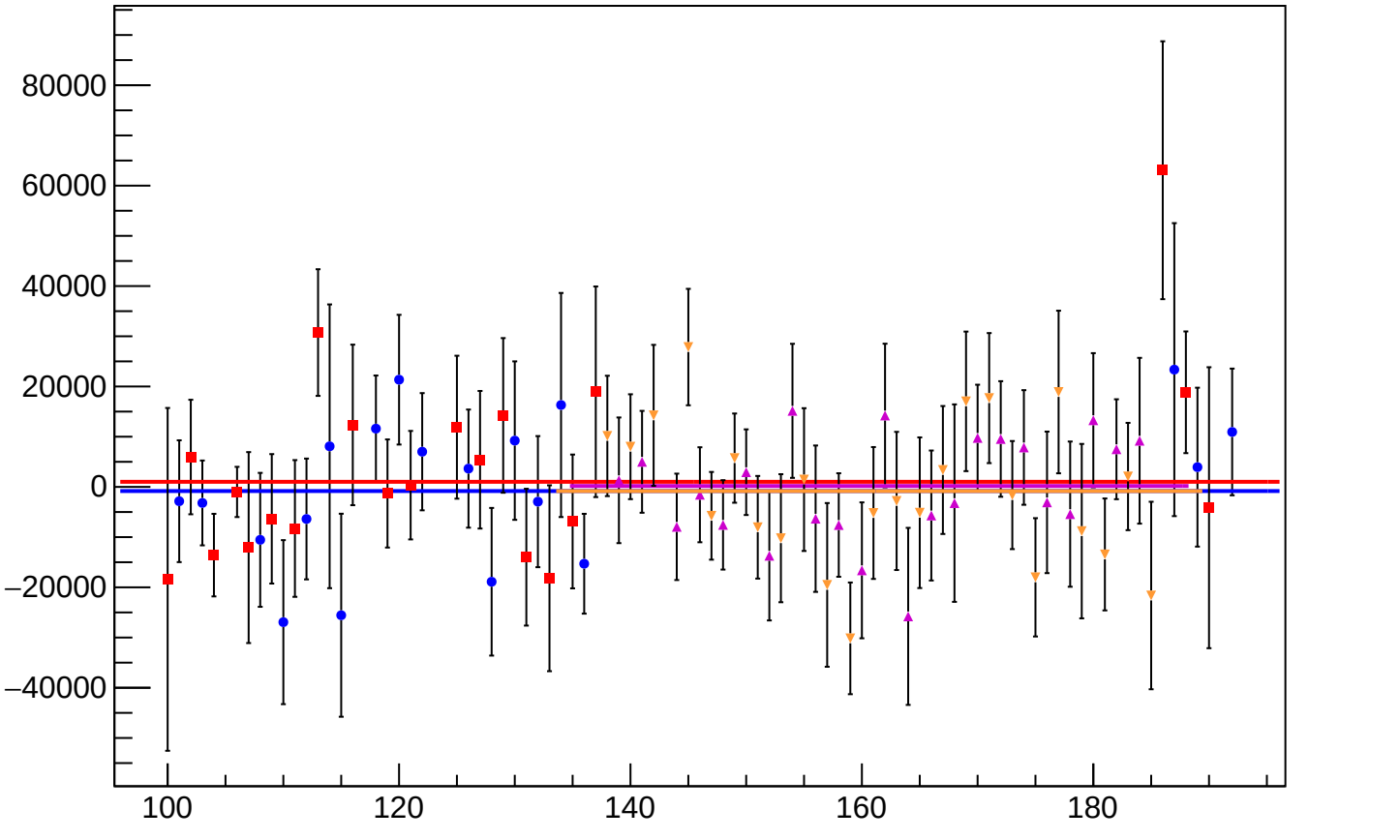
Right Out: 2148.395+/-0.515 χ^2/NDF: 299106.7/20

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2196.328+/-0.297 χ^2/NDF: 289289.3/42

All: 2192.327+/-0.210 χ^2/NDF: 678790.2/86

- sign 2188.306+/-0.298 χ^2/NDF: 389137.1/43



Right In: -823.046+/-3037.670 χ^2/NDF: 16.2/18

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

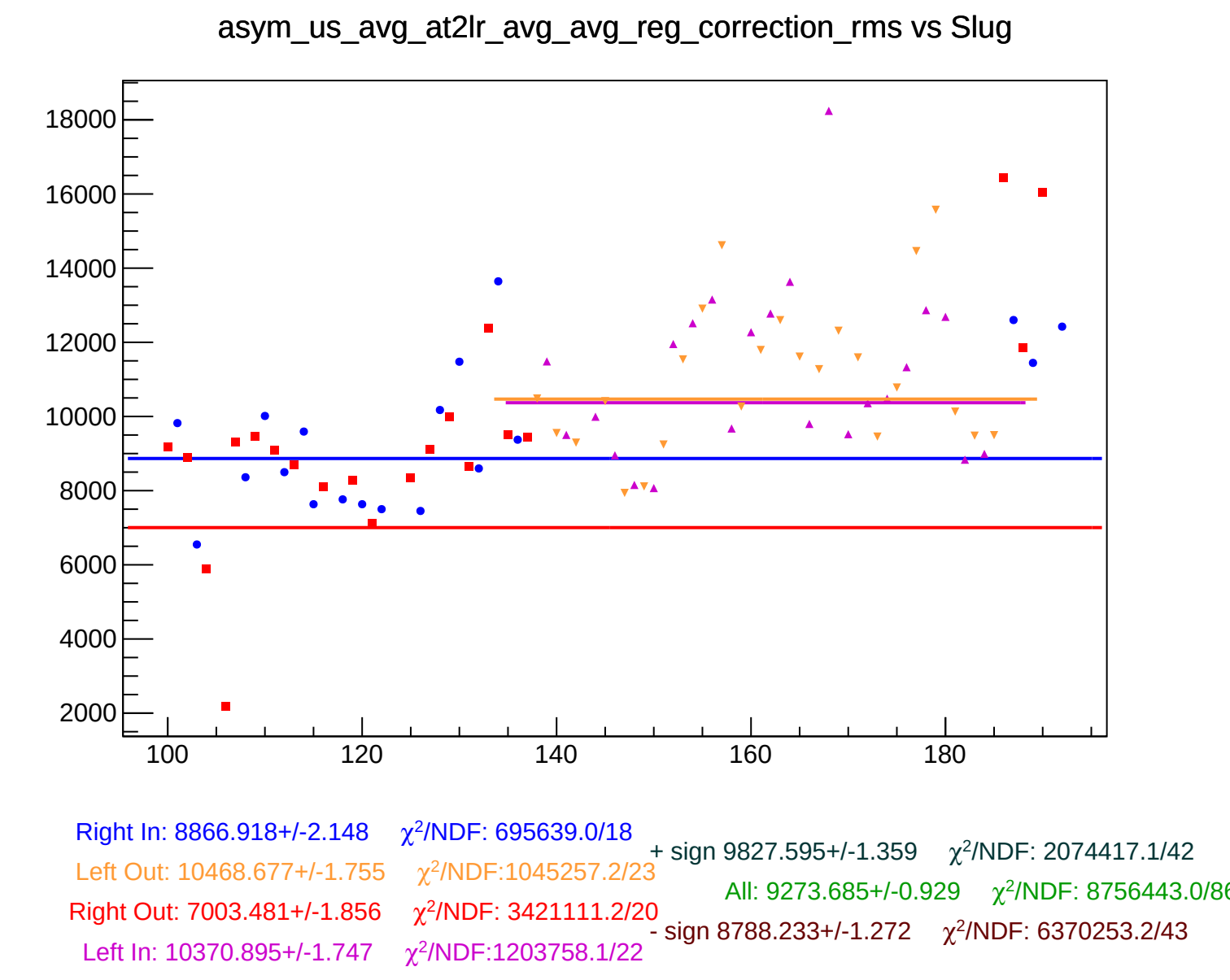
Right Out: 1018.791+/-2624.260 χ^2/NDF: 24.0/20

Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

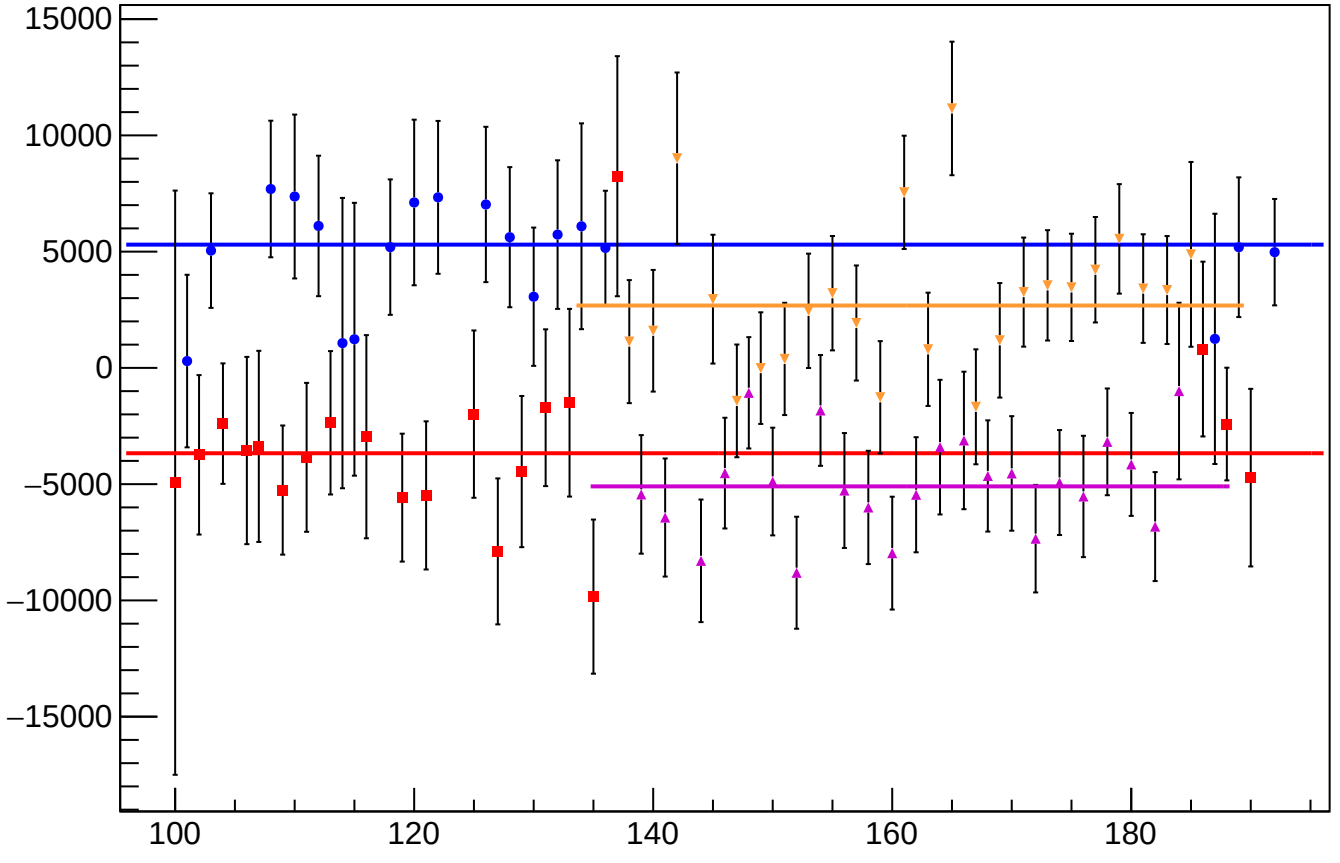
+ sign -829.307+/-1921.759 χ^2/NDF: 45.7/42

All: -80.633+/-1313.375 χ^2/NDF: 83.8/86

- sign 575.512+/-1799.089 χ^2/NDF: 37.8/43


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 8866.918+/-2.148 χ²/NDF: 695639.0/18
Left Out: 10468.677+/-1.755 χ²/NDF:1045257.2/23
Right Out: 7003.481+/-1.856 χ²/NDF: 3421111.2/20
Left In: 10370.895+/-1.747 χ²/NDF:1203758.1/22
+ sign 9827.595+/-1.359 χ²/NDF: 2074417.1/42
All: 9273.685+/-0.929 χ²/NDF: 8756443.0/86
- sign 8788.233+/-1.272 χ²/NDF: 6370253.2/43

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



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

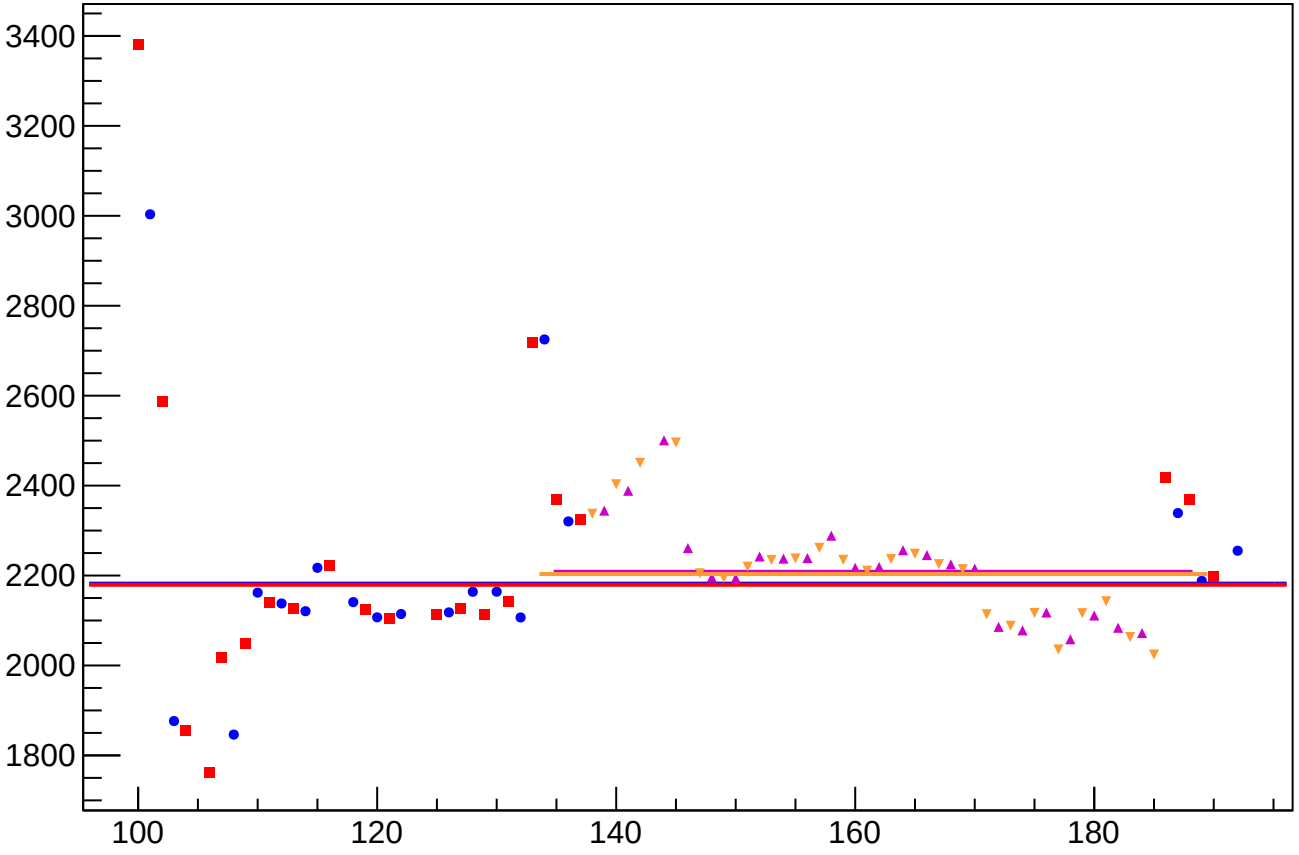
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3538.239+/-420.133 χ^2/NDF: 45.4/42

All: -517.391+/-298.073 χ^2/NDF: 265.3/86

- sign -4627.769+/-422.959 χ^2/NDF: 32.3/43

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2181.968+/-0.520 χ^2/NDF: 199947.6/18

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

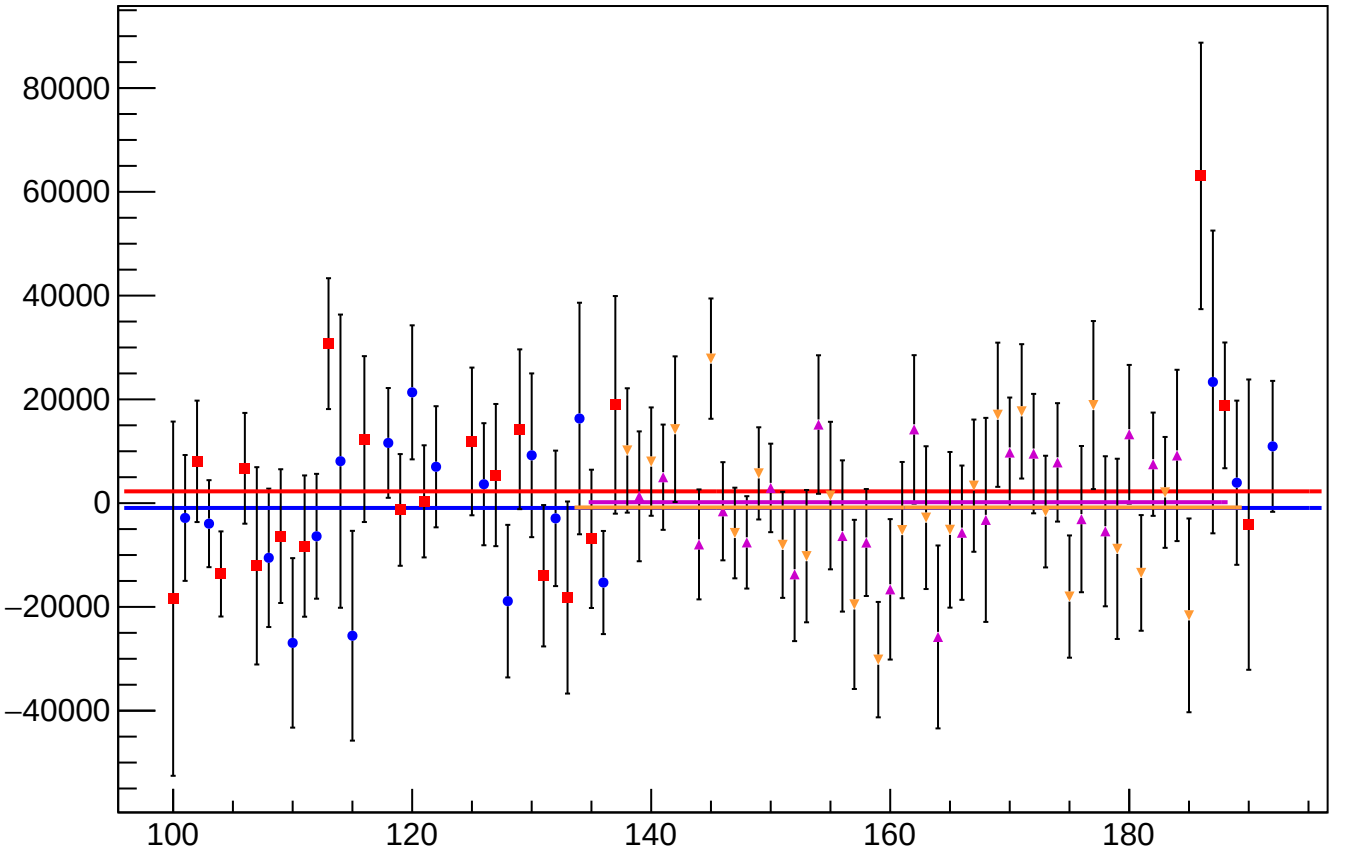
Right Out: 2179.521+/-0.519 χ^2/NDF: 181297.8/20

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

\+ sign 2196.328+/-0.297 χ^2/NDF: 289289.7/42

All: 2197.578+/-0.211 χ^2/NDF: 553683.3/86

\- sign 2198.840+/-0.299 χ^2/NDF: 264358.1/43



Right In: -927.861+/-3034.651 χ^2/NDF: 16.3/18

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

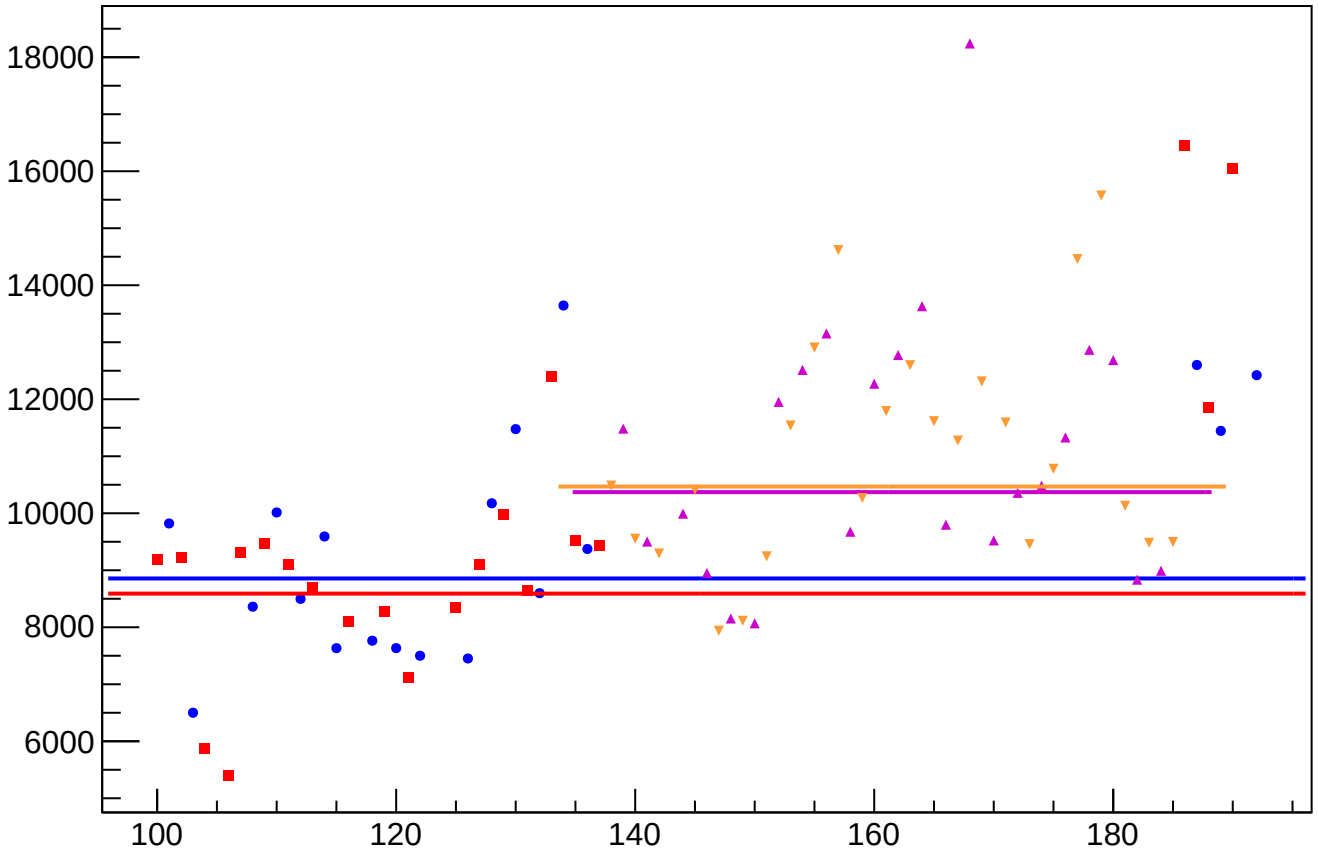
Right Out: 2270.846+/-2966.119 χ^2/NDF: 24.2/20

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -871.287+/-1920.994 χ^2/NDF: 45.8/42

All: 94.580+/-1350.366 χ^2/NDF: 84.5/86

- sign 1038.074+/-1898.616 χ^2/NDF: 38.2/43



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

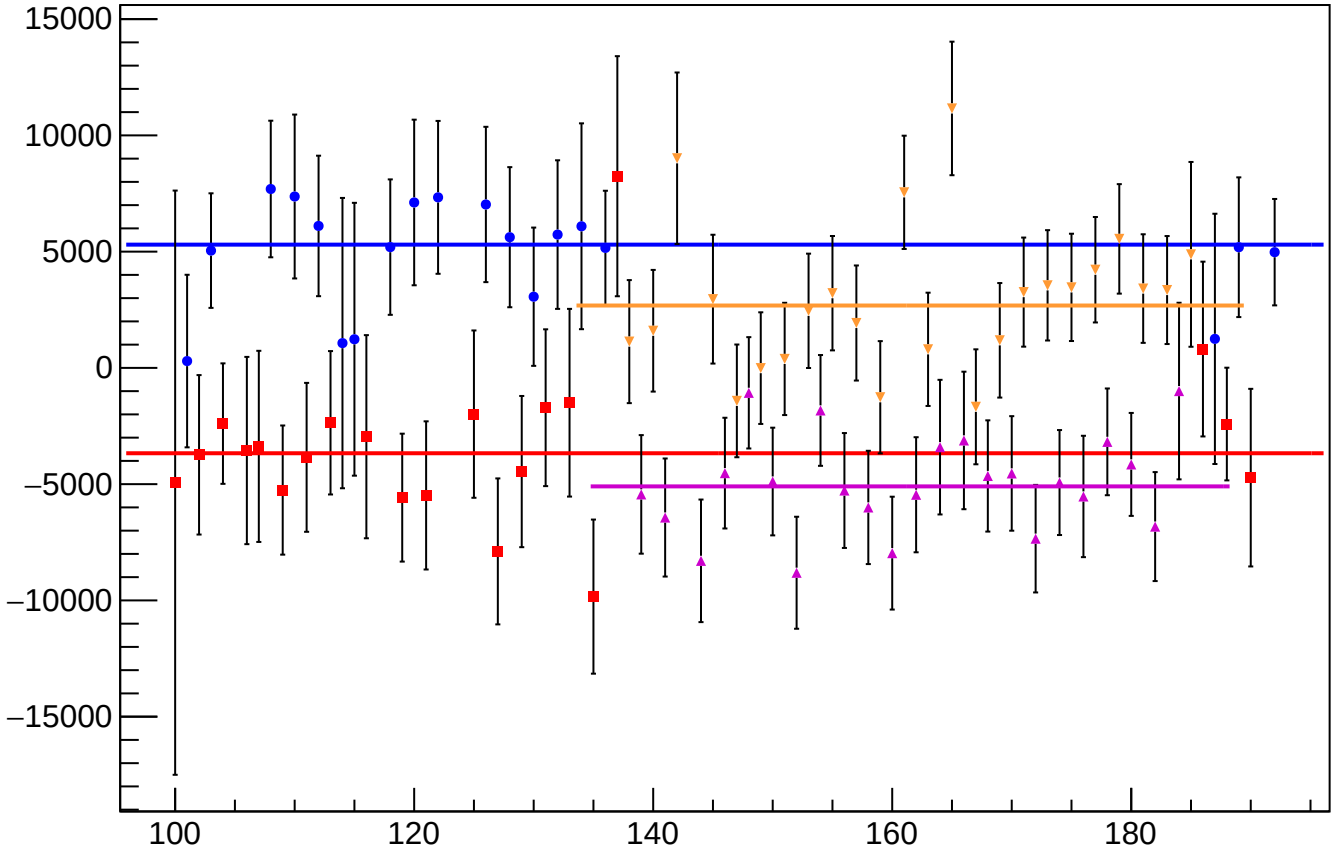
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9822.490+/-1.358 χ^2/NDF: 2087919.6/42

All: 9730.820+/-0.955 χ^2/NDF: 4777973.2/86

- sign 9641.273+/-1.343 χ^2/NDF: 2681050.2/43

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



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

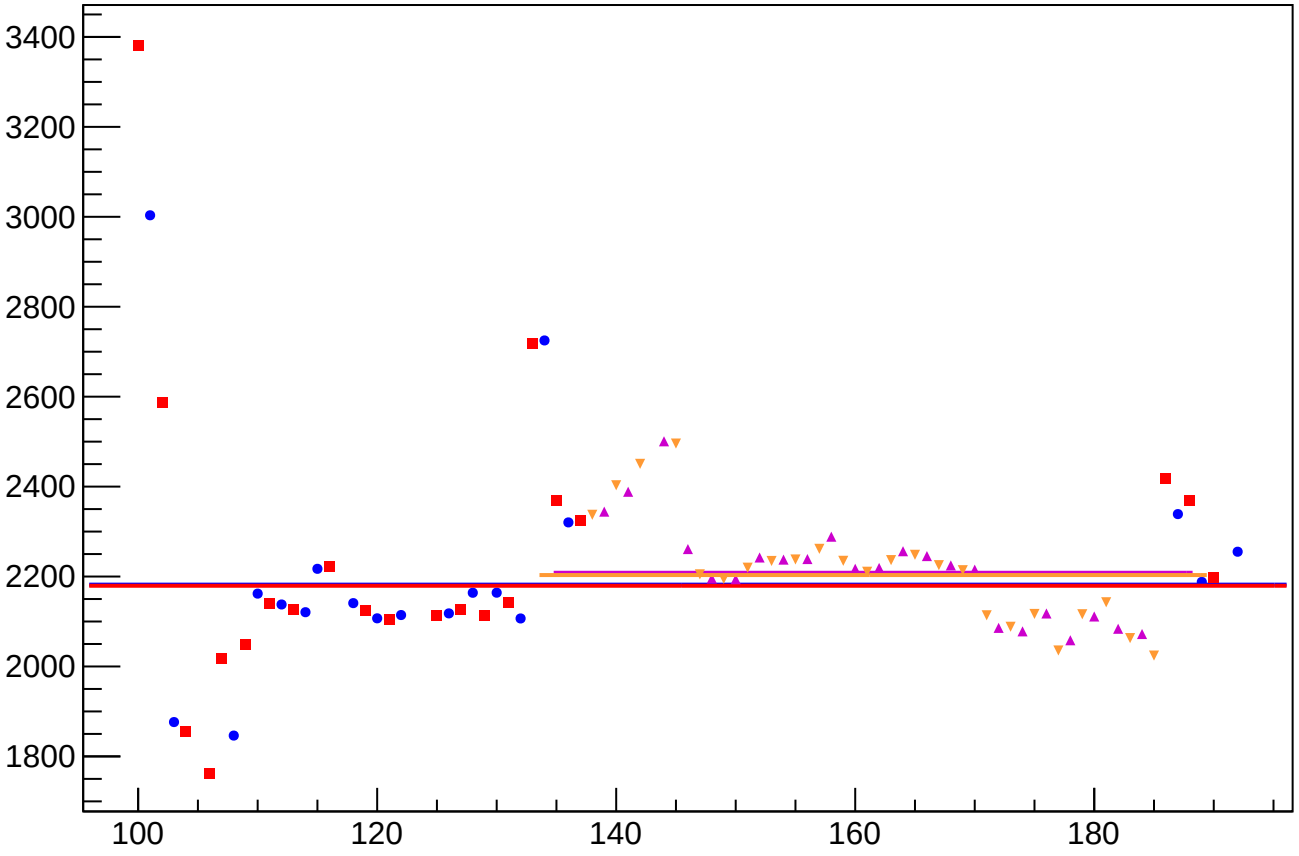
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3538.239+/-420.133 χ^2/NDF: 45.4/42

All: -517.391+/-298.073 χ^2/NDF: 265.3/86

- sign -4627.769+/-422.959 χ^2/NDF: 32.3/43

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2181.968+/-0.520 χ^2/NDF: 199947.6/18

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

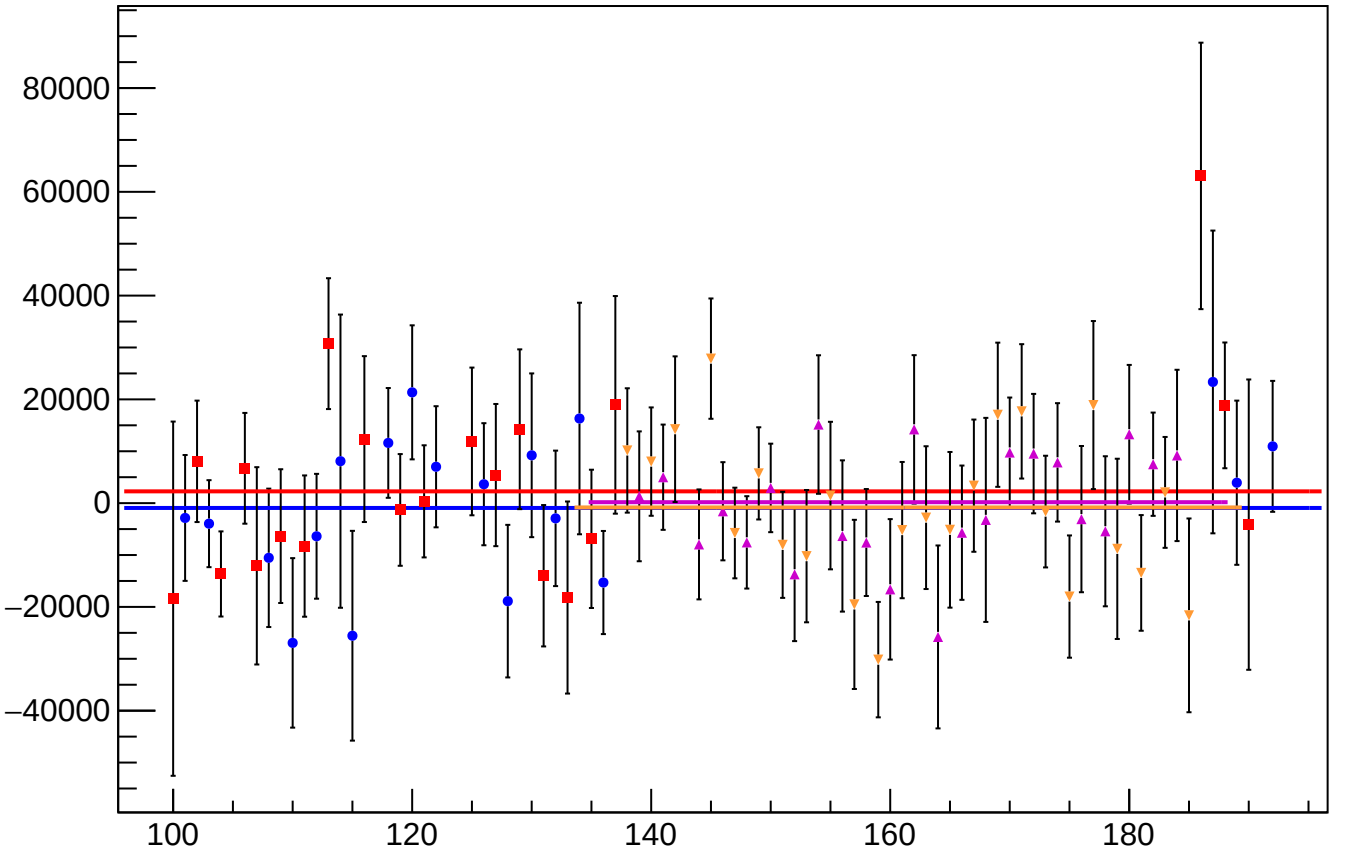
Right Out: 2179.521+/-0.519 χ^2/NDF: 181297.8/20

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2196.328+/-0.297 χ^2/NDF: 289289.7/42

All: 2197.578+/-0.211 χ^2/NDF: 553683.3/86

- sign 2198.840+/-0.299 χ^2/NDF: 264358.1/43



Right In: -927.861+/-3034.651 χ^2/NDF: 16.3/18

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

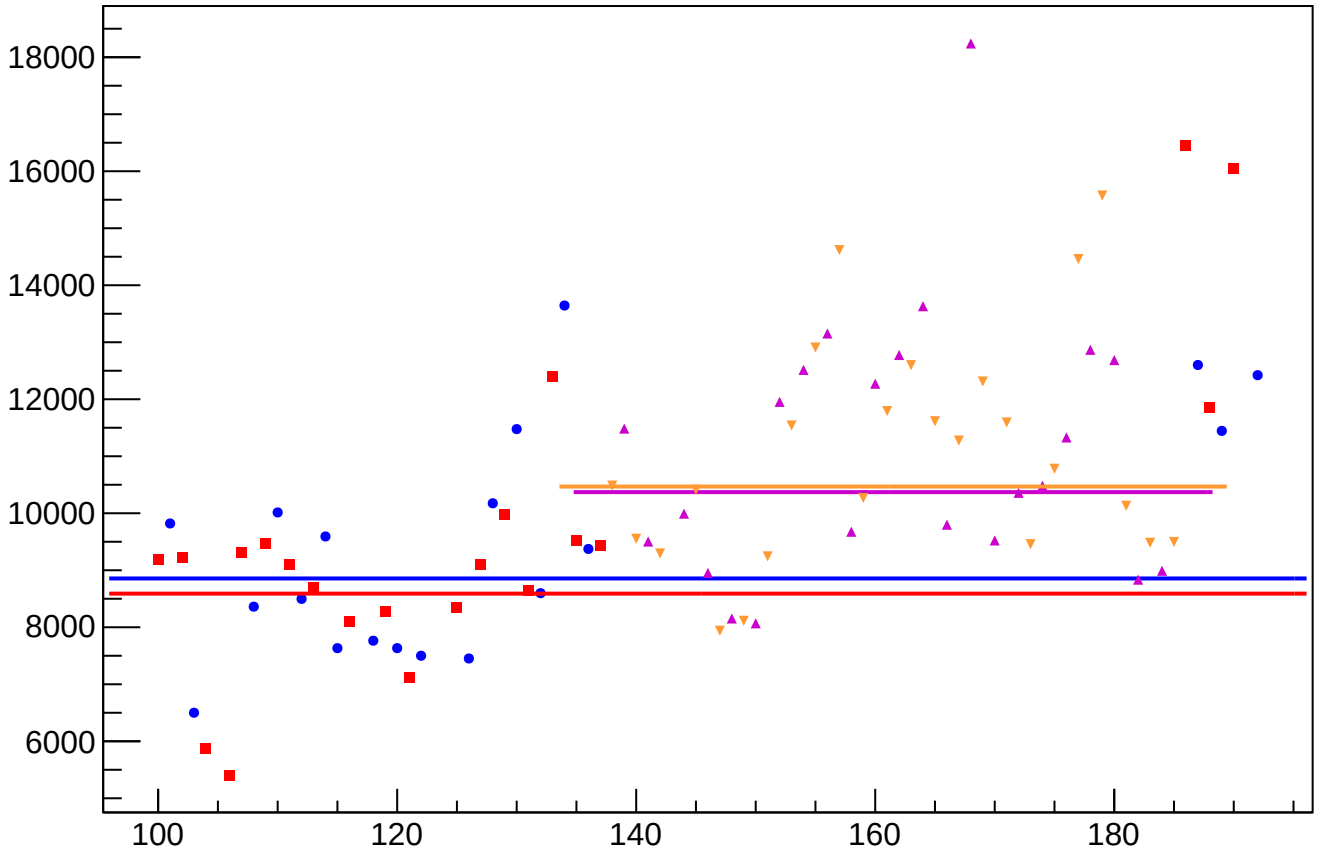
Right Out: 2270.846+/-2966.119 χ^2/NDF: 24.2/20

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -871.287+/-1920.994 χ^2/NDF: 45.8/42

All: 94.580+/-1350.366 χ^2/NDF: 84.5/86

- sign 1038.074+/-1898.616 χ^2/NDF: 38.2/43



Right In: 8856.089+/-2.146 χ^2/NDF: 704212.3/18

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

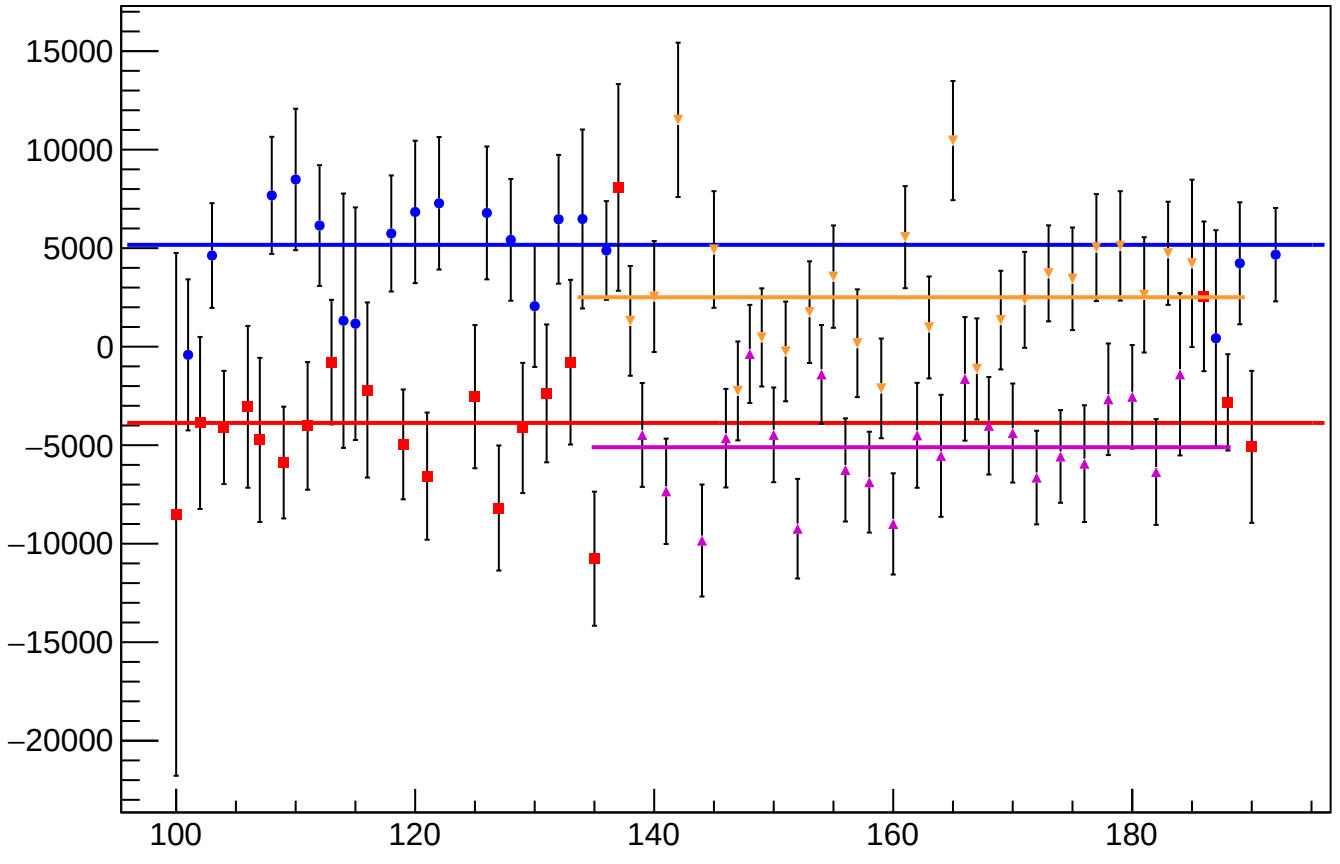
Right Out: 8590.167+/-2.097 χ^2/NDF: 1051791.0/20

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9822.490+/-1.358 χ^2/NDF: 2087919.6/42

All: 9730.820+/-0.955 χ^2/NDF: 4777973.2/86

- sign 9641.273+/-1.343 χ^2/NDF: 2681050.2/43



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

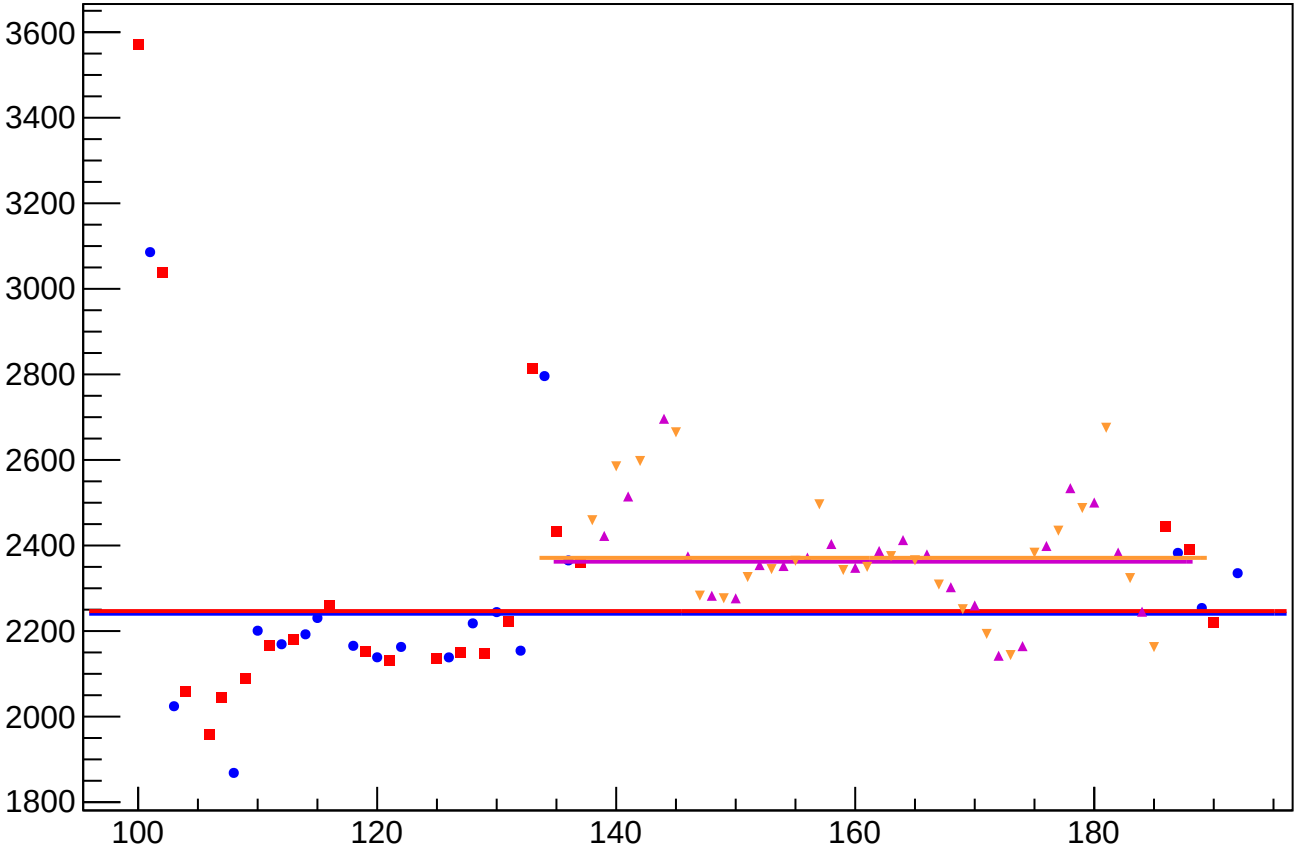
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

\+ sign 3434.645+/-445.391 χ^2/NDF: 45.6/42

All: -604.442+/-315.609 χ^2/NDF: 250.2/86

\- sign -4678.061+/-447.291 χ^2/NDF: 39.4/43

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2240.579+/-0.534 χ^2/NDF: 189987.8/18

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

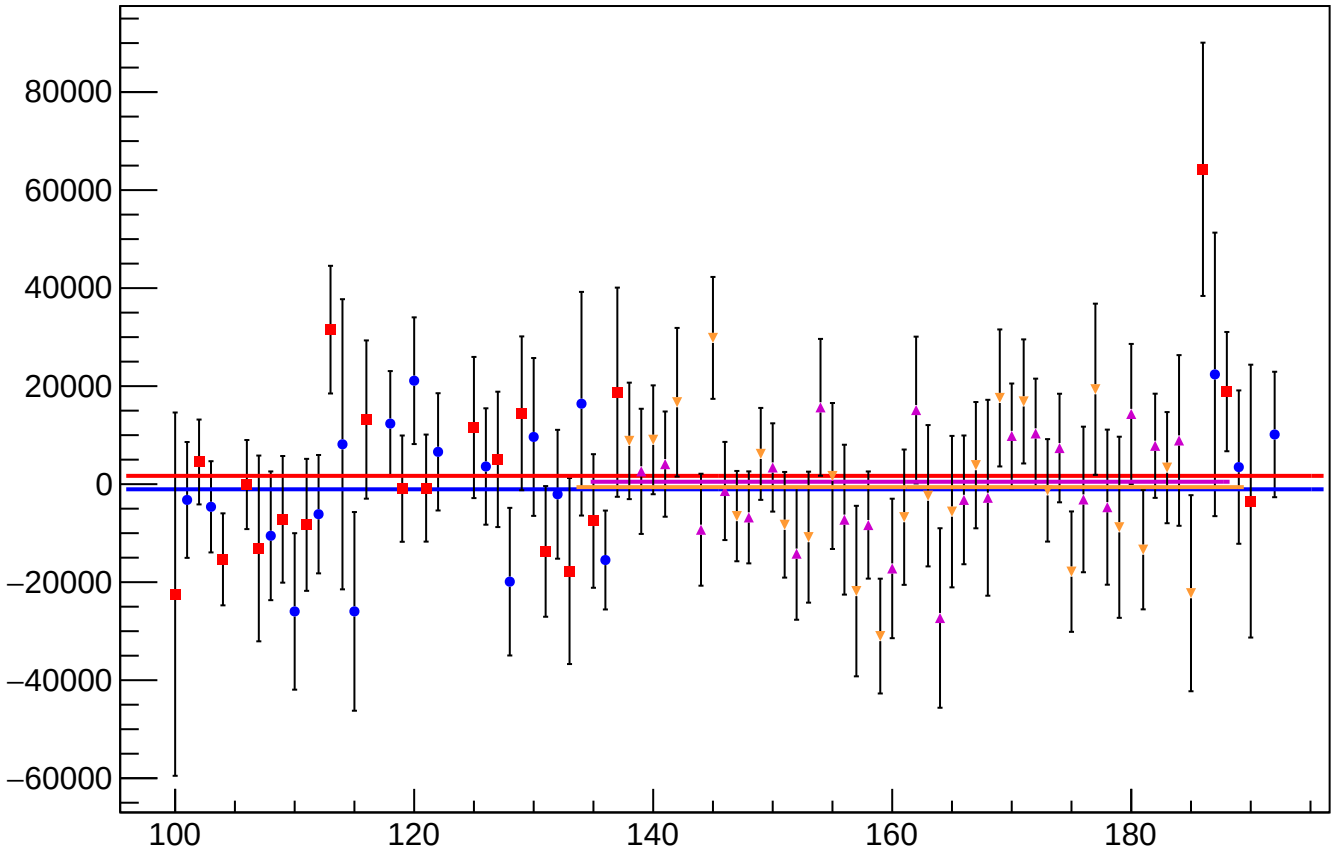
Right Out: 2246.672+/-0.538 χ^2/NDF: 184181.9/20

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2325.700+/-0.315 χ^2/NDF: 345277.6/42

All: 2324.033+/-0.223 χ^2/NDF: 651582.9/86

- sign 2322.353+/-0.316 χ^2/NDF: 306249.1/43



Right In: -1049.260+/-3088.930 χ^2/NDF: 16.1/18

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

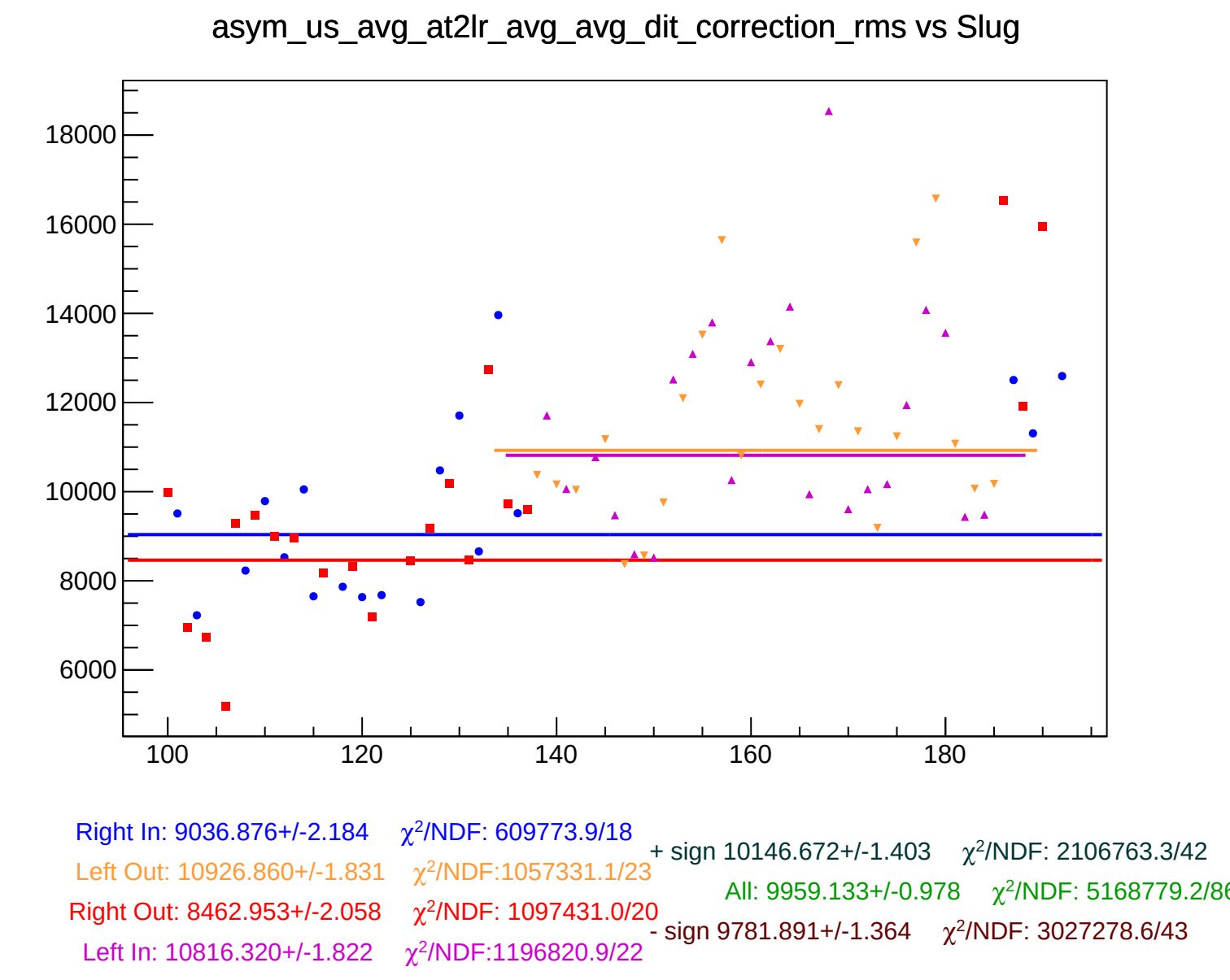
Right Out: 1694.476+/-2910.127 χ^2/NDF: 23.9/20

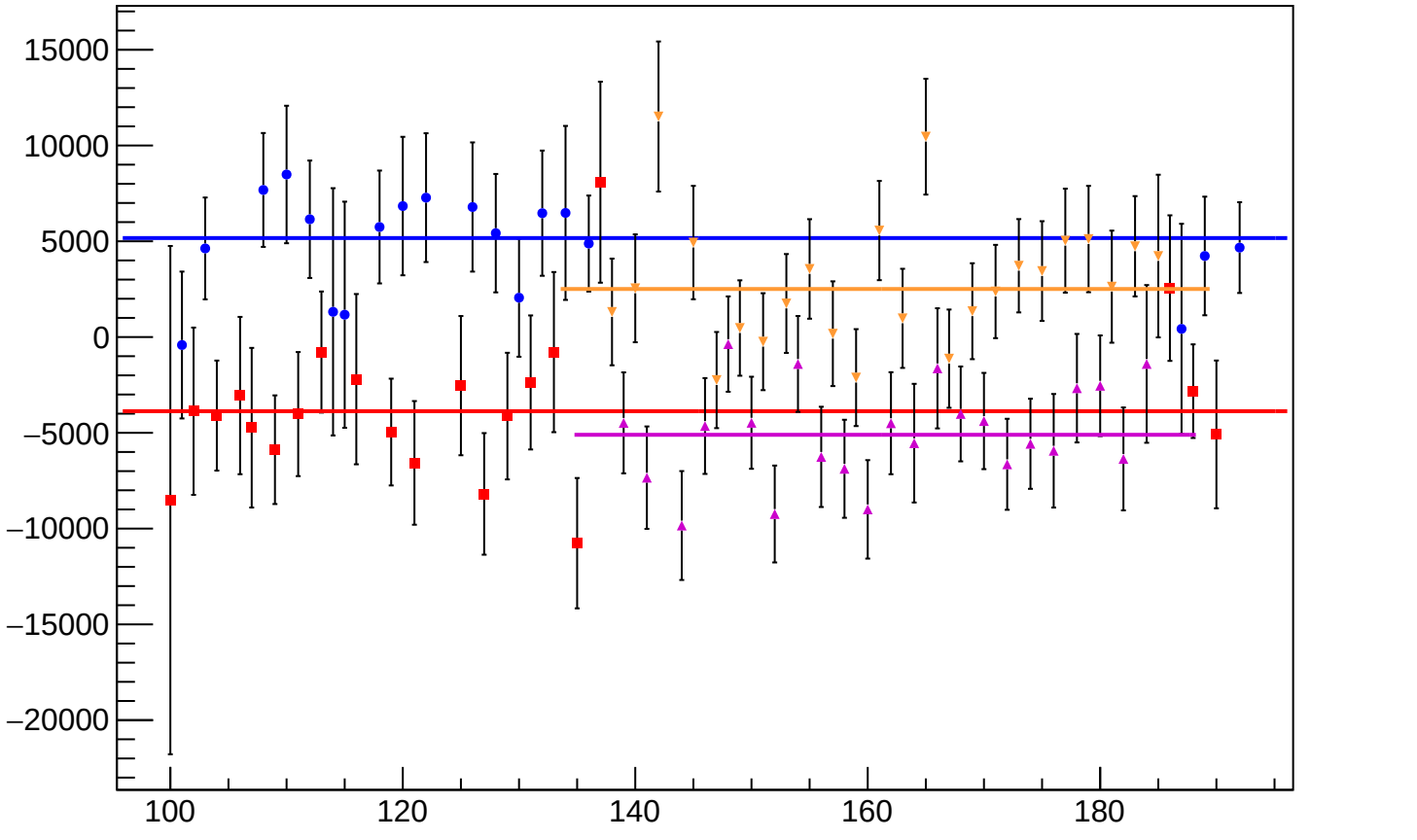
Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -790.319+/-1984.626 χ^2/NDF: 45.0/42

All: 140.109+/-1383.396 χ^2/NDF: 83.0/86

- sign 1019.456+/-1929.379 χ^2/NDF: 37.6/43


asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
Right In: 9036.876+/-2.184 χ²/NDF: 609773.9/18
Left Out: 10926.860+/-1.831 χ²/NDF:1057331.1/23
Right Out: 8462.953+/-2.058 χ²/NDF: 1097431.0/20
Left In: 10816.320+/-1.822 χ²/NDF:1196820.9/22
+ sign 10146.672+/-1.403 χ²/NDF: 2106763.3/42
All: 9959.133+/-0.978 χ²/NDF: 5168779.2/86
- sign 9781.891+/-1.364 χ²/NDF: 3027278.6/43



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

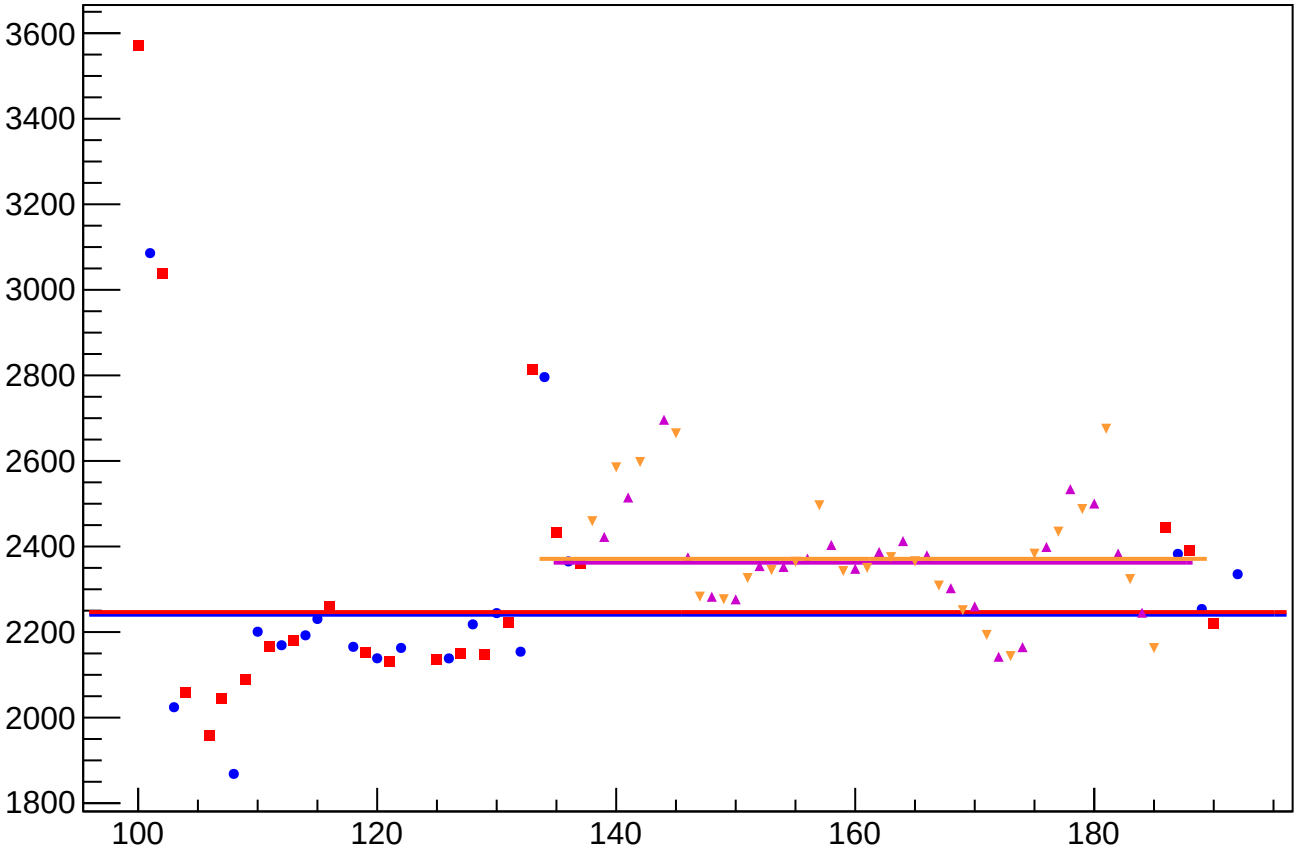
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3434.639+/-445.392 χ^2/NDF: 45.6/42

All: -604.446+/-315.609 χ^2/NDF: 250.2/86

- sign -4678.062+/-447.291 χ^2/NDF: 39.4/43

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2240.578+/-0.534 χ^2/NDF: 189987.9/18

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

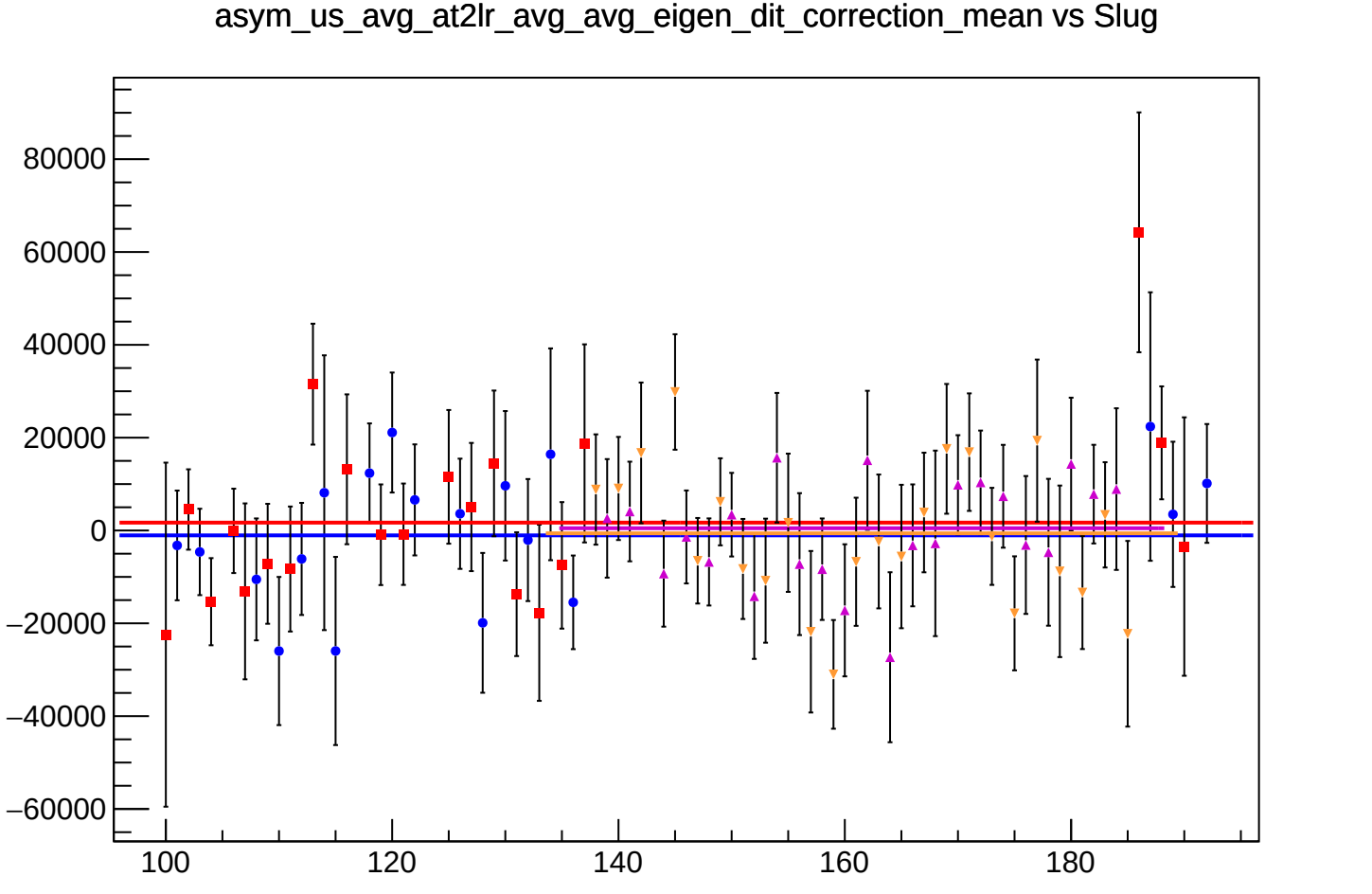
Right Out: 2246.671+/-0.538 χ^2/NDF: 184181.8/20

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2325.702+/-0.315 χ^2/NDF: 345284.5/42

All: 2324.035+/-0.223 χ^2/NDF: 651596.4/86

- sign 2322.355+/-0.316 χ^2/NDF: 306255.7/43



Right In: -1049.244+/-3088.924 χ^2/NDF: 16.1/18

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

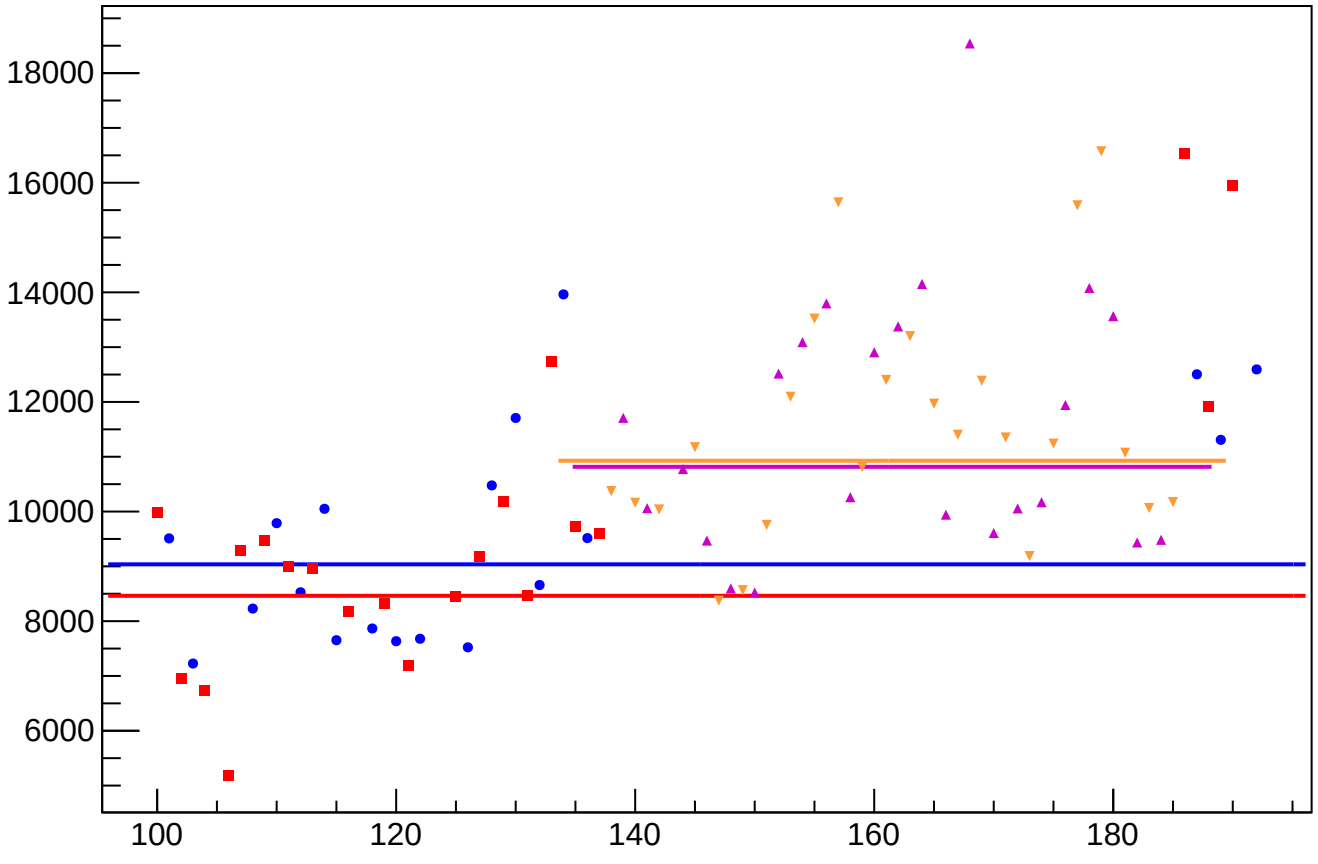
Right Out: 1694.463+/-2910.121 χ^2/NDF: 23.9/20

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

\+ sign -790.318+/-1984.626 χ^2/NDF: 45.0/42

All: 140.108+/-1383.397 χ^2/NDF: 83.0/86

\- sign 1019.454+/-1929.379 χ^2/NDF: 37.6/43



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

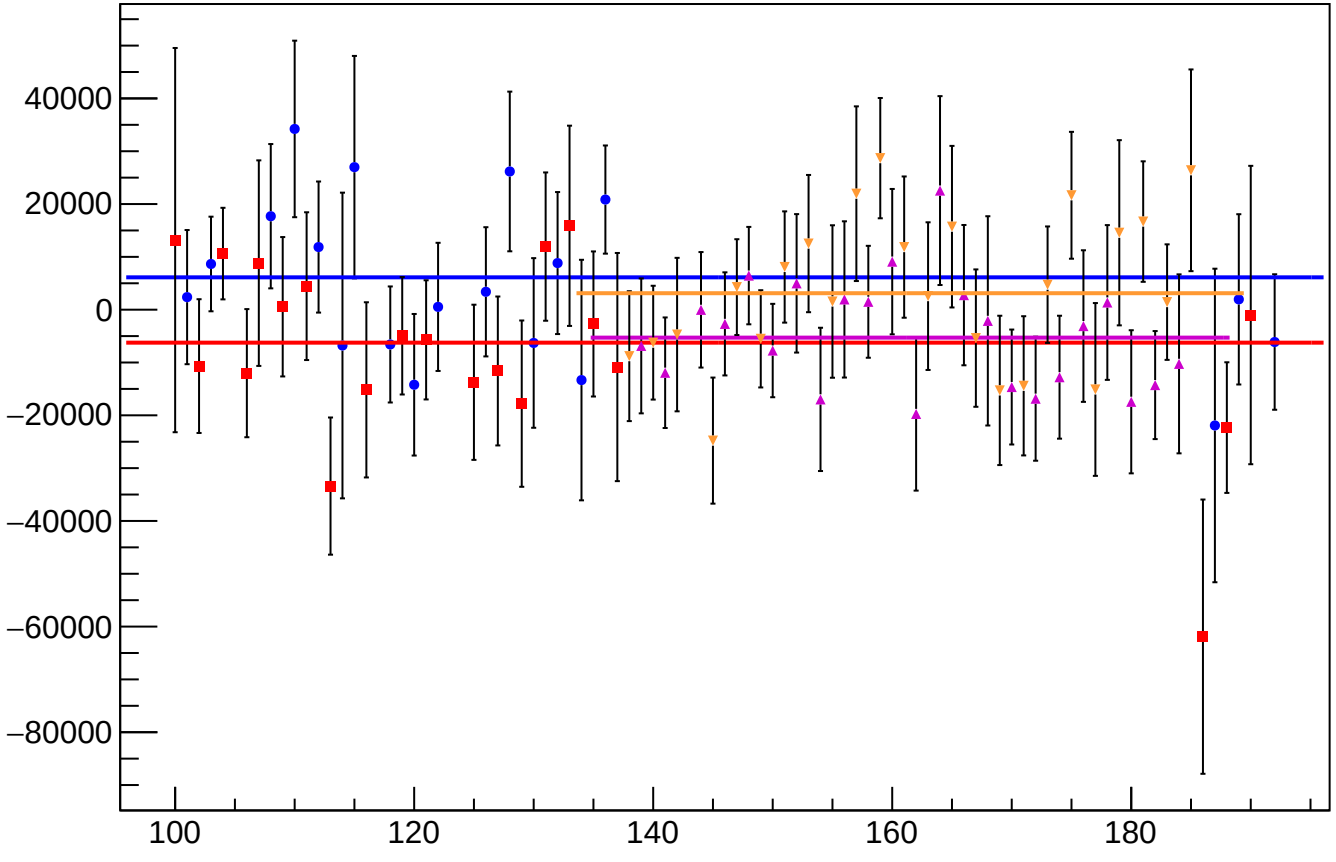
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10146.671+/-1.403 χ^2/NDF: 2106790.4/42

All: 9959.131+/-0.978 χ^2/NDF: 5168834.0/86

- sign 9781.888+/-1.364 χ^2/NDF: 3027306.1/43

asym_us_avg_at2lr_avg_avg_mean vs Slug



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

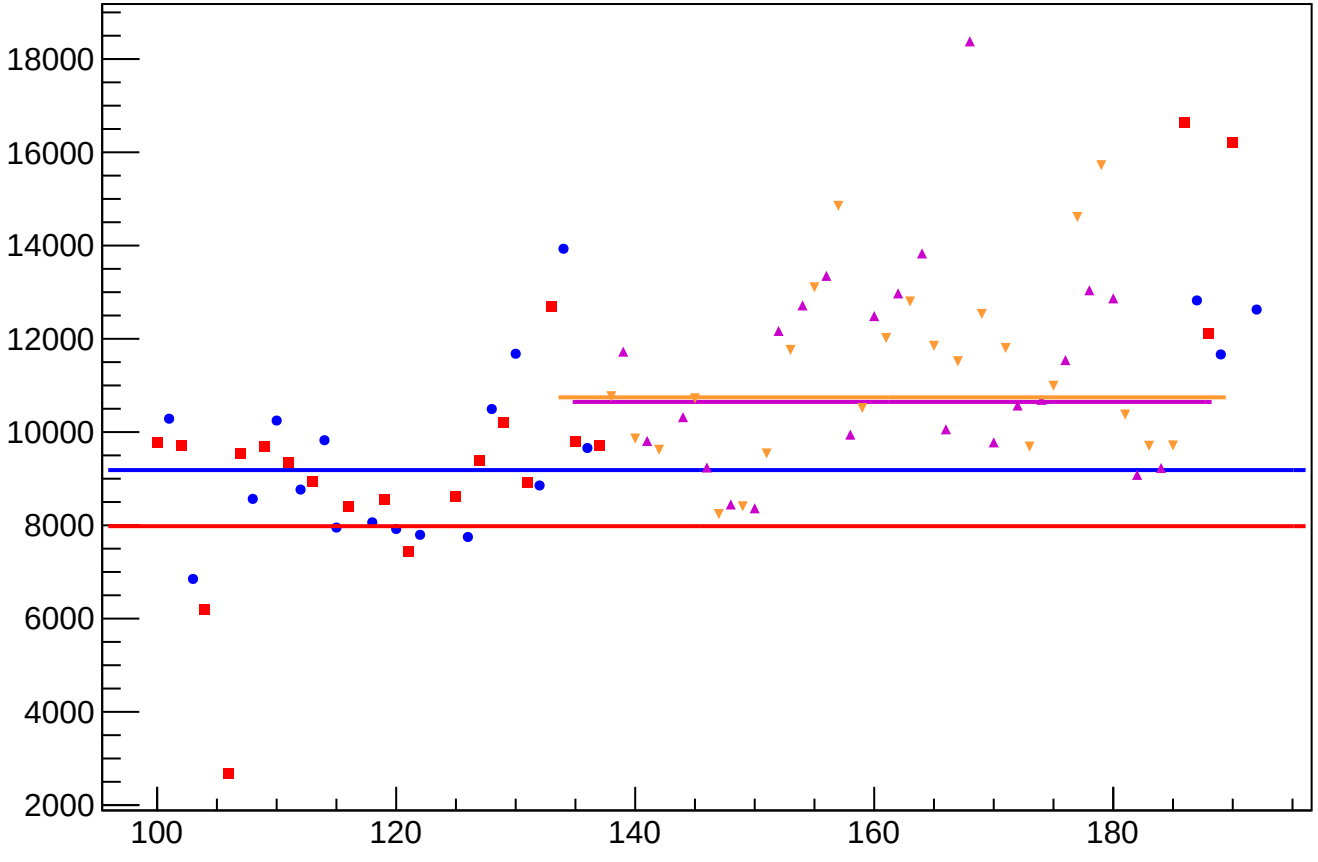
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4307.901+/-1977.020 χ^2/NDF: 44.1/42

All: -724.903+/-1391.999 χ^2/NDF: 91.3/86

- sign -5672.720+/-1960.256 χ^2/NDF: 34.4/43

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 9184.962+/-2.223 χ^2/NDF: 642615.7/18

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

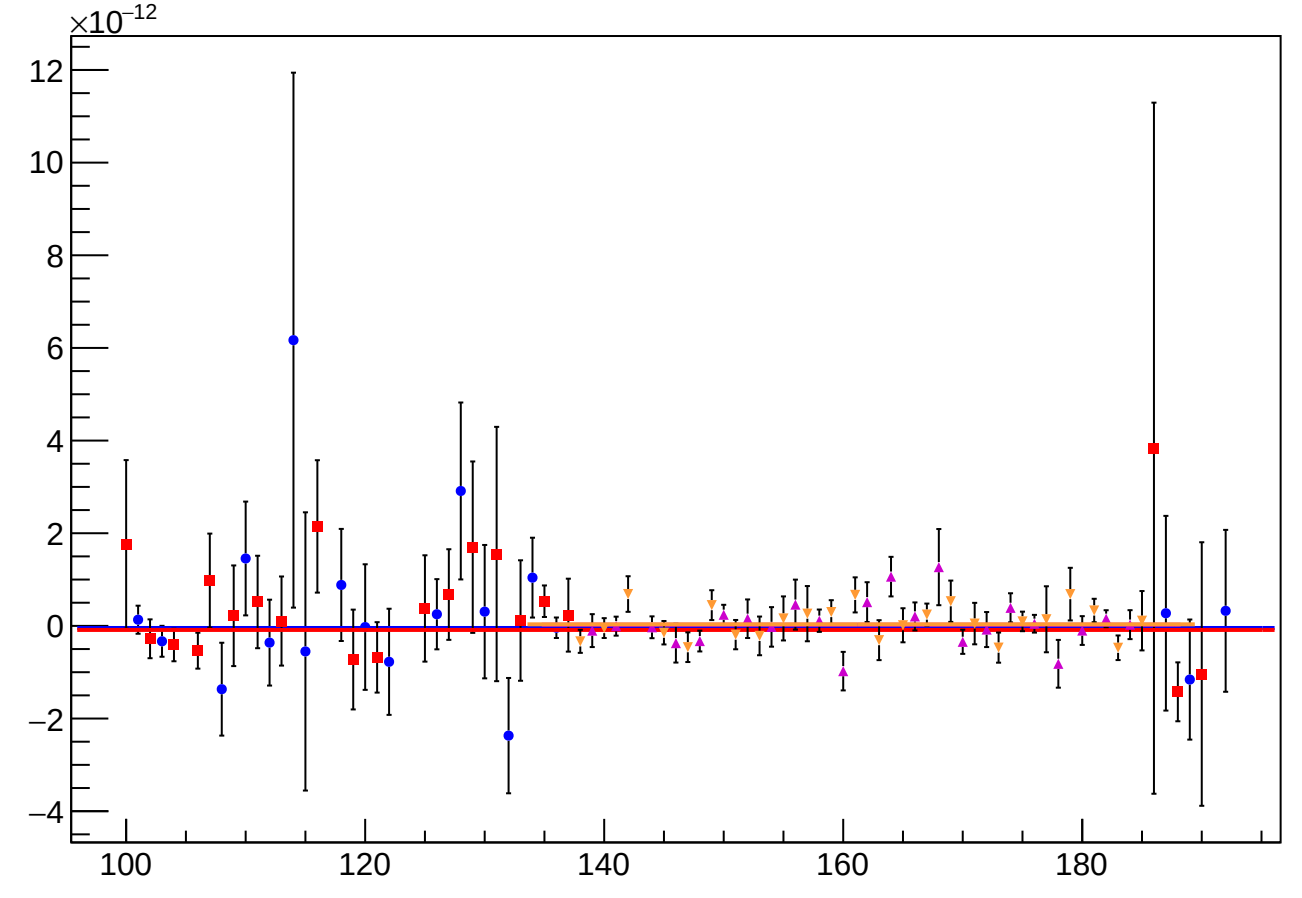
Right Out: 7981.739+/-2.044 χ^2/NDF: 2316746.5/20

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10128.159+/-1.398 χ^2/NDF: 1905099.2/42

All: 9796.843+/-0.970 χ^2/NDF: 6405542.4/86

- sign 9489.178+/-1.347 χ^2/NDF: 4392115.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 15.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

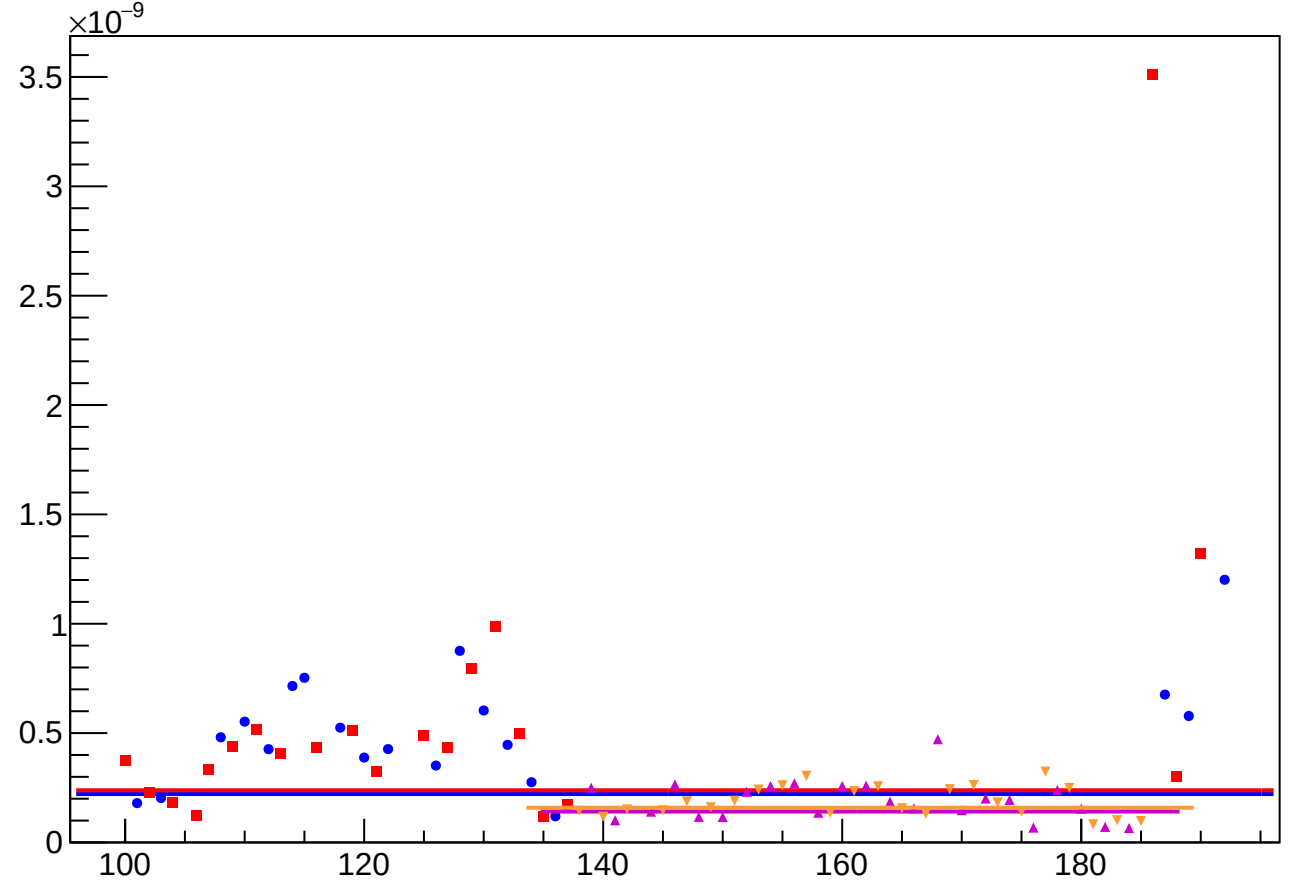
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/20

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.6/42

All: 0.000+/-0.000 χ^2/NDF: 88.8/86

- sign 0.000+/-0.000 χ^2/NDF: 47.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 2522754.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

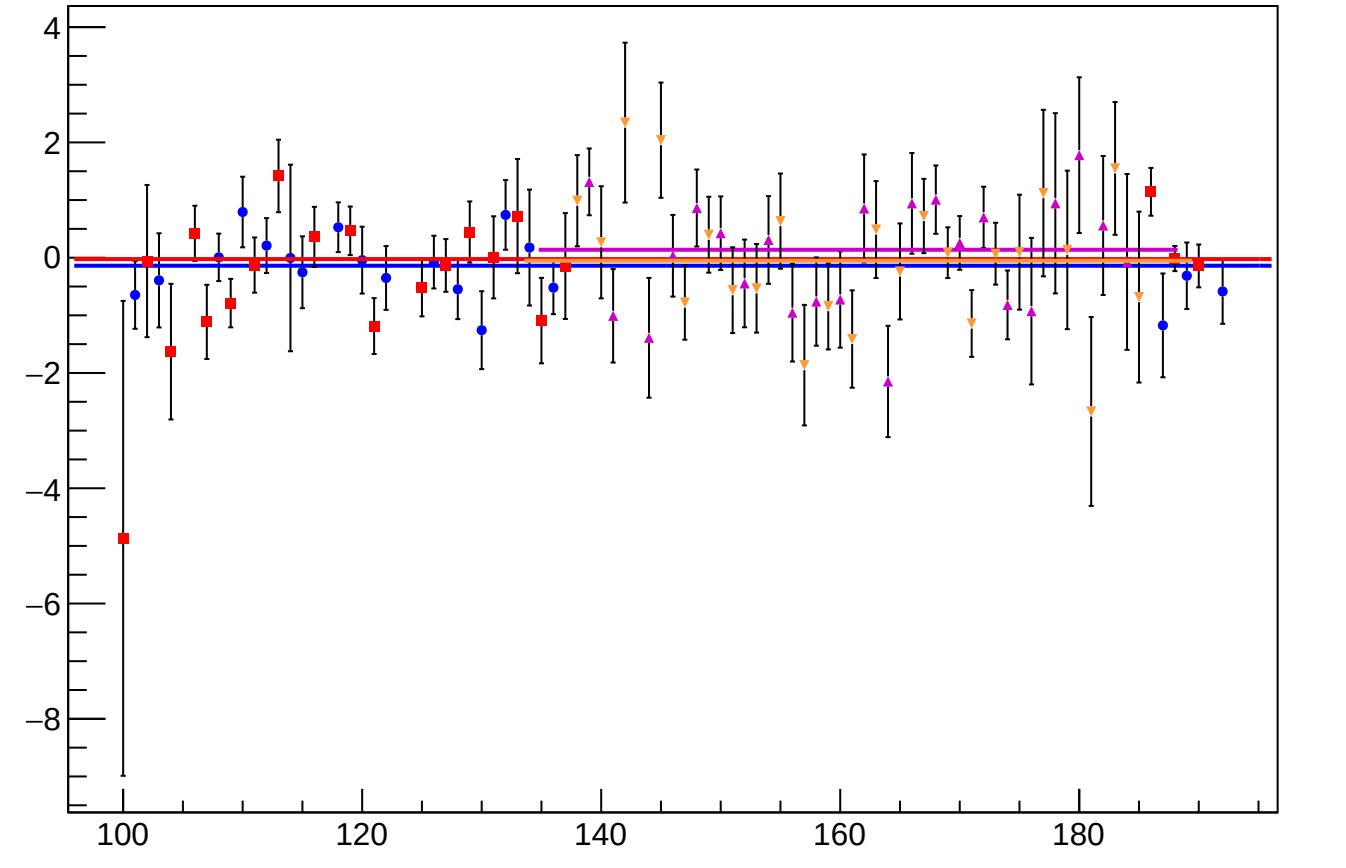
Right Out: 0.000+/-0.000 χ^2/NDF: 2259712.5/20

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4145163.3/42

All: 0.000+/-0.000 χ^2/NDF: 9581882.2/86

- sign 0.000+/-0.000 χ^2/NDF: 5366148.2/43



Right In: -0.139+/-0.131 χ^2/NDF: 14.8/18

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

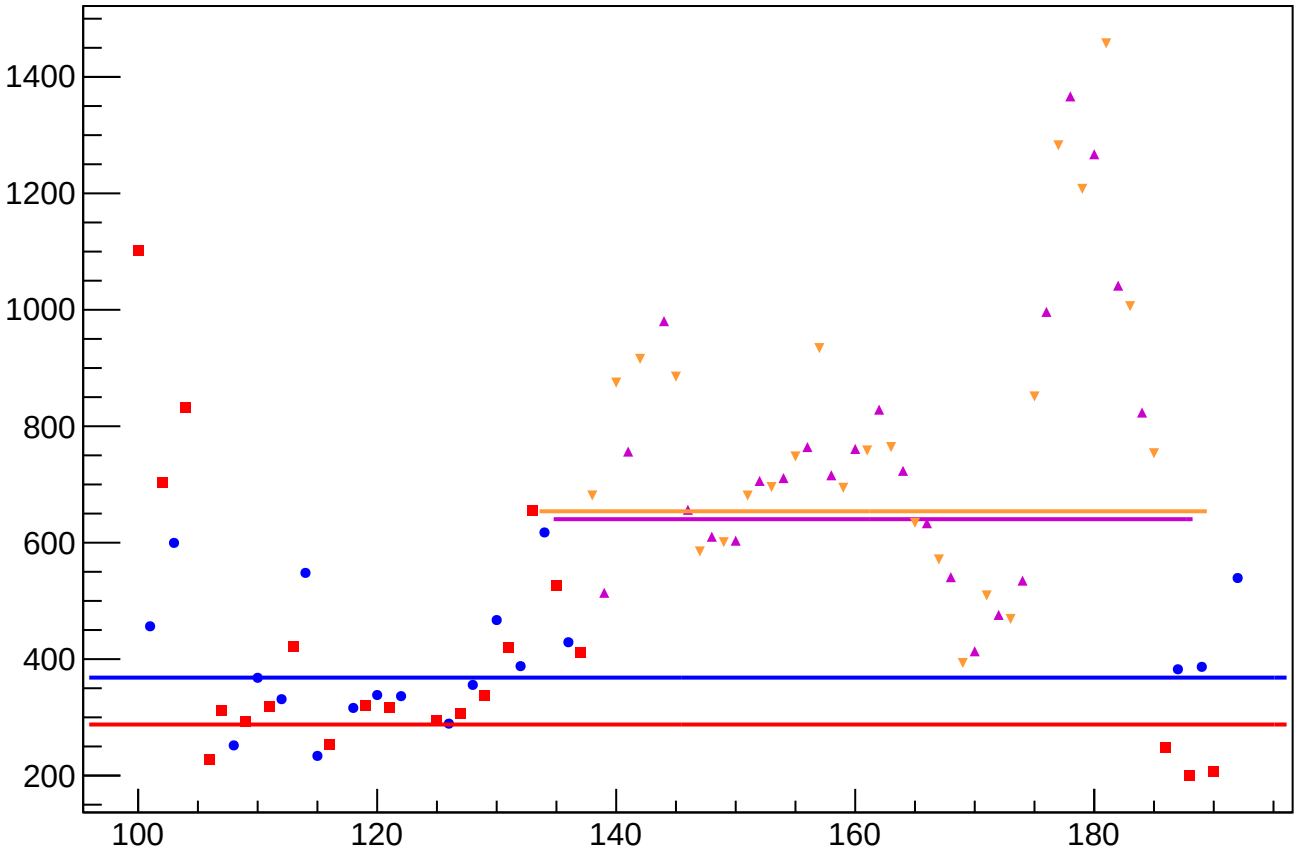
Right Out: -0.024+/-0.107 χ^2/NDF: 35.7/20

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.105+/-0.102 χ^2/NDF: 45.1/42

All: -0.030+/-0.067 χ^2/NDF: 112.4/86

- sign 0.027+/-0.089 χ^2/NDF: 66.4/43



Right In: 368.262+/-0.092 χ^2/NDF: 988528.0/18

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

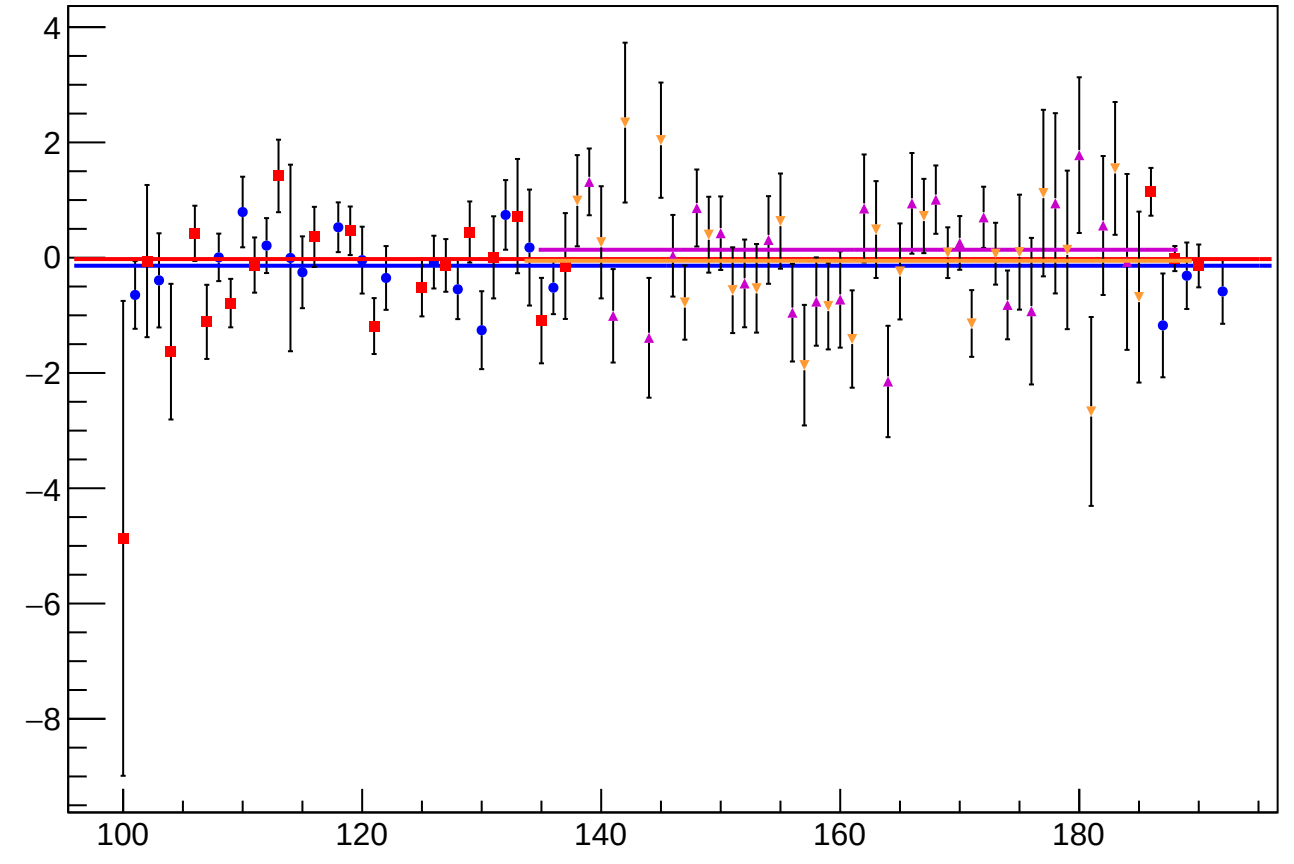
Right Out: 287.700+/-0.076 χ^2/NDF: 1911710.8/20

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 481.496+/-0.072 χ^2/NDF: 7898308.1/42

All: 434.945+/-0.047 χ^2/NDF: 20021981.7/86

- sign 399.347+/-0.063 χ^2/NDF: 11382304.2/43



Right In: -0.139+/-0.131 χ^2/NDF: 14.8/18

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

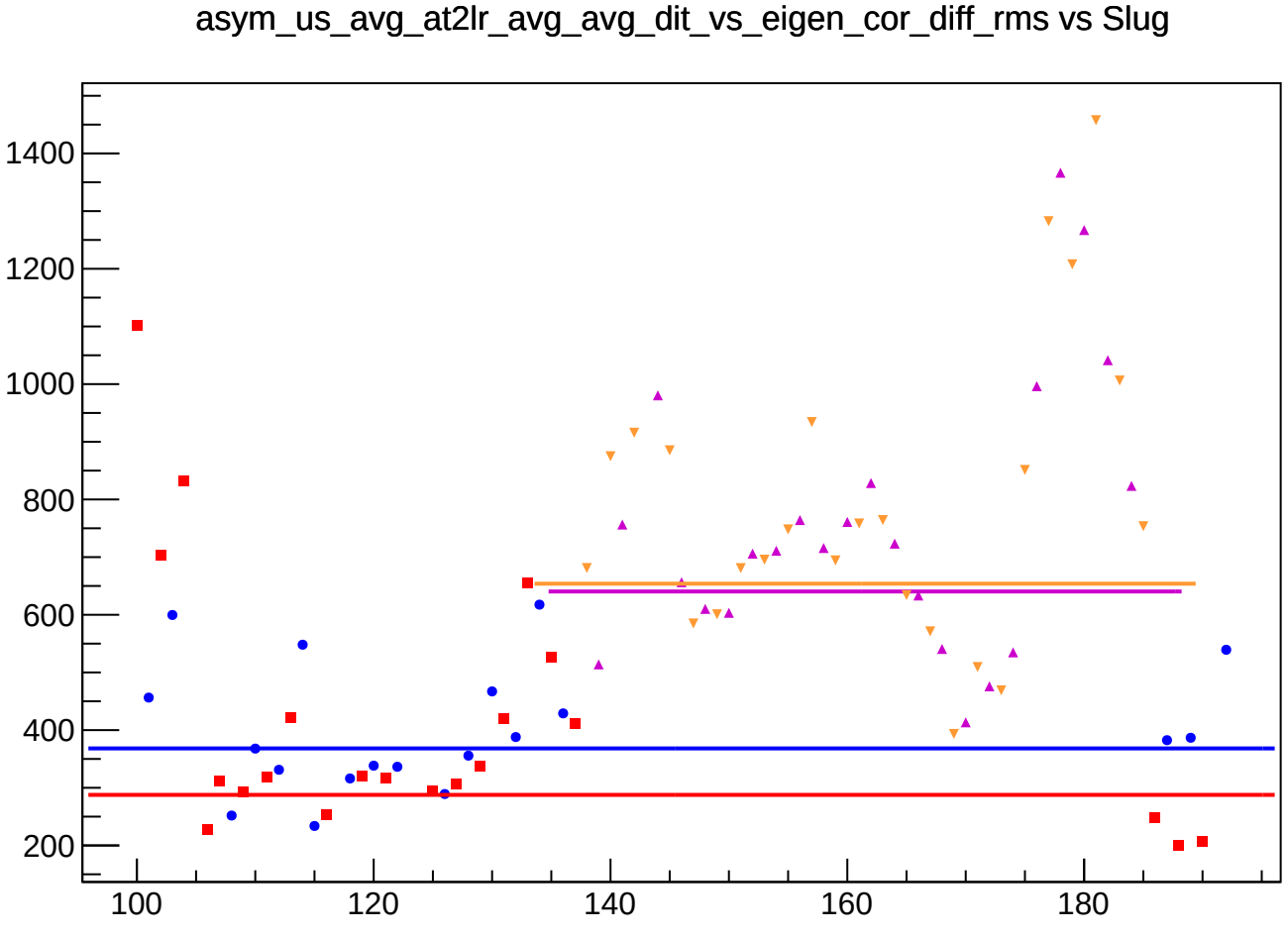
Right Out: -0.024+/-0.107 χ^2/NDF: 35.7/20

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.105+/-0.102 χ^2/NDF: 45.1/42

All: -0.030+/-0.067 χ^2/NDF: 112.4/86

- sign 0.027+/-0.089 χ^2/NDF: 66.4/43


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
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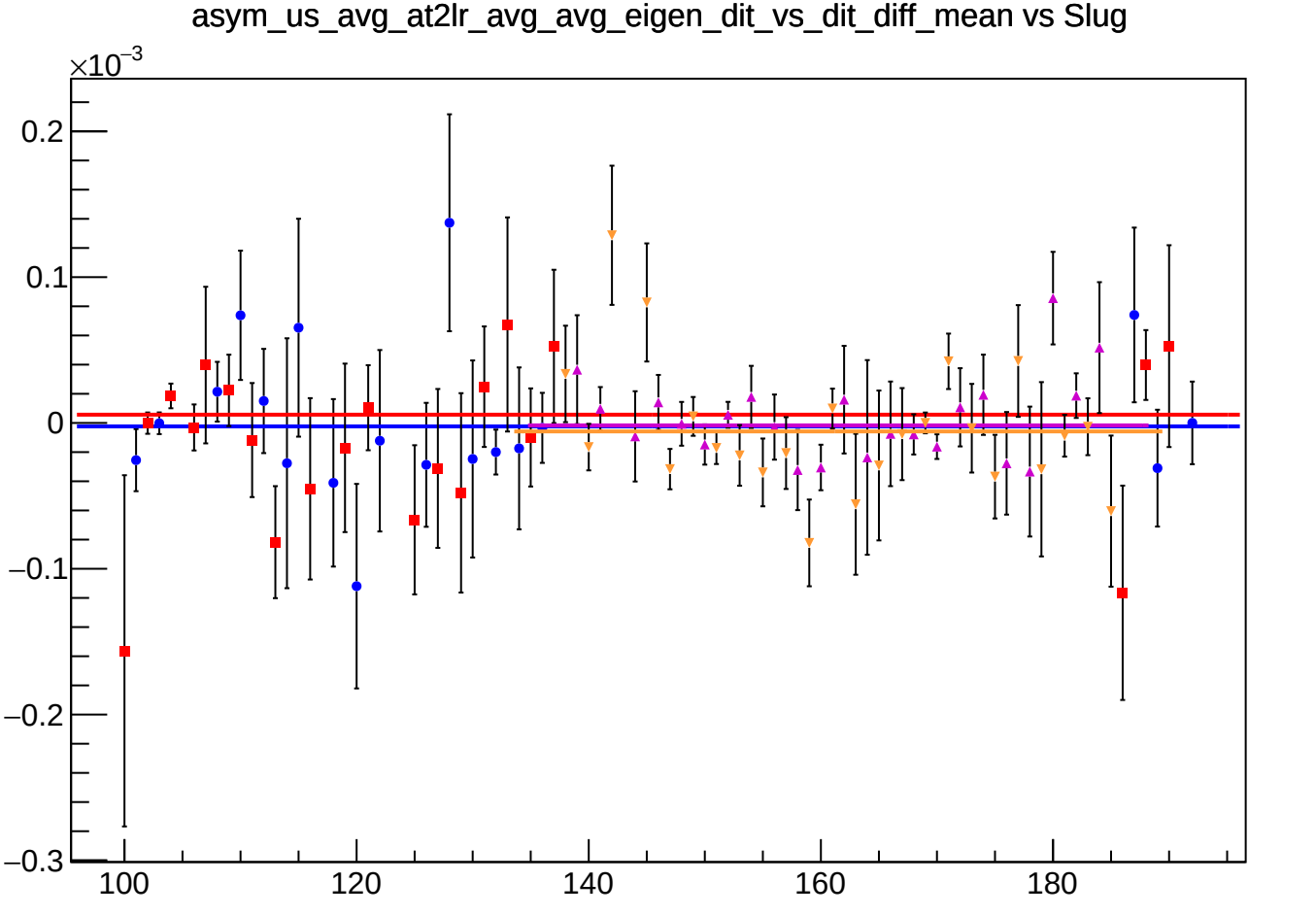
100
120
140
160
180
Right In: 368.262+/-0.092 χ²/NDF: 988528.0/18
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 287.700+/-0.076 χ²/NDF: 1911710.8/20
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 481.496+/-0.072 χ²/NDF: 7898308.1/42
All: 434.945+/-0.047 χ²/NDF: 20021981.7/86
- sign 399.347+/-0.063 χ²/NDF: 11382304.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

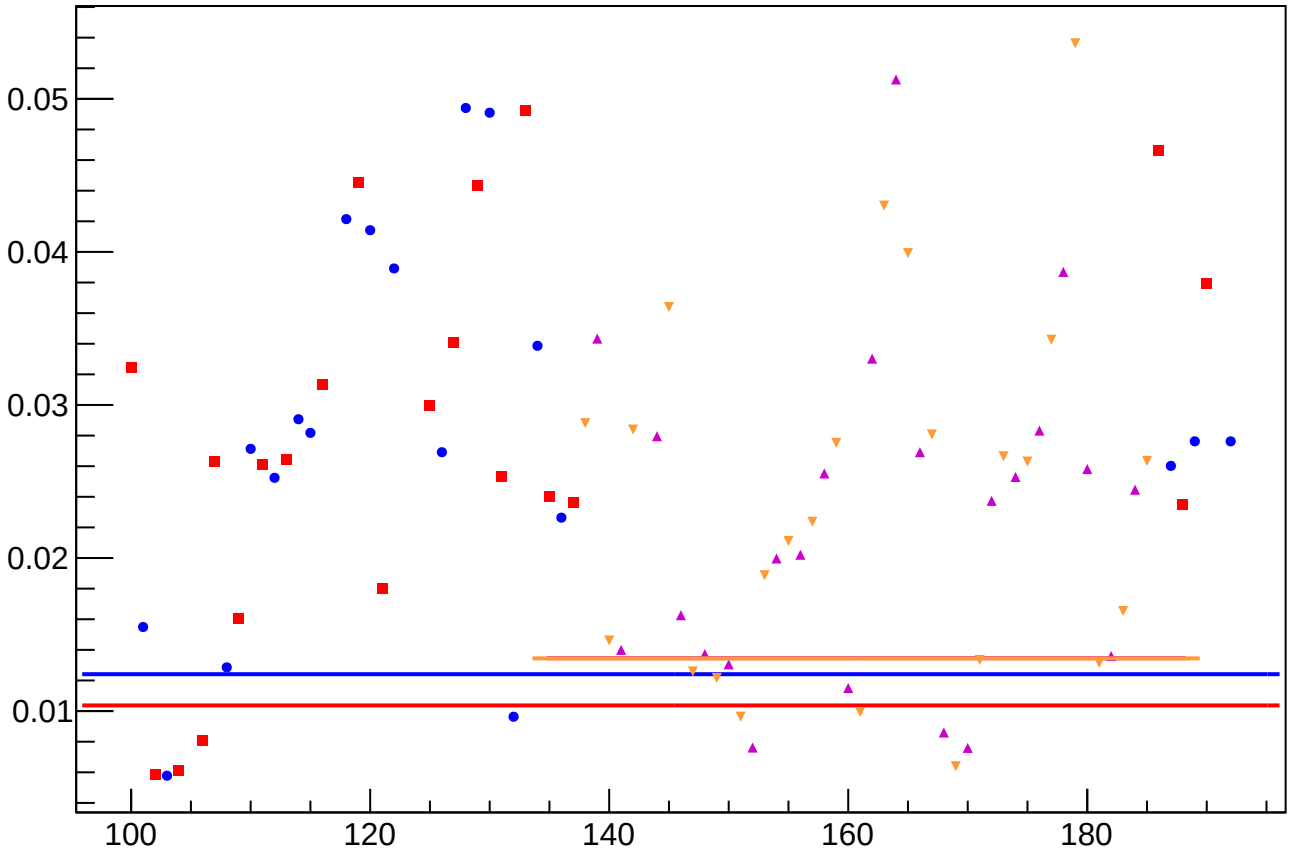
Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/20

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.0/42

All: -0.000+/-0.000 χ^2/NDF: 111.6/86

- sign 0.000+/-0.000 χ^2/NDF: 49.5/43



Right In: 0.012+/-0.000 χ^2/NDF: 6533576.5/18

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

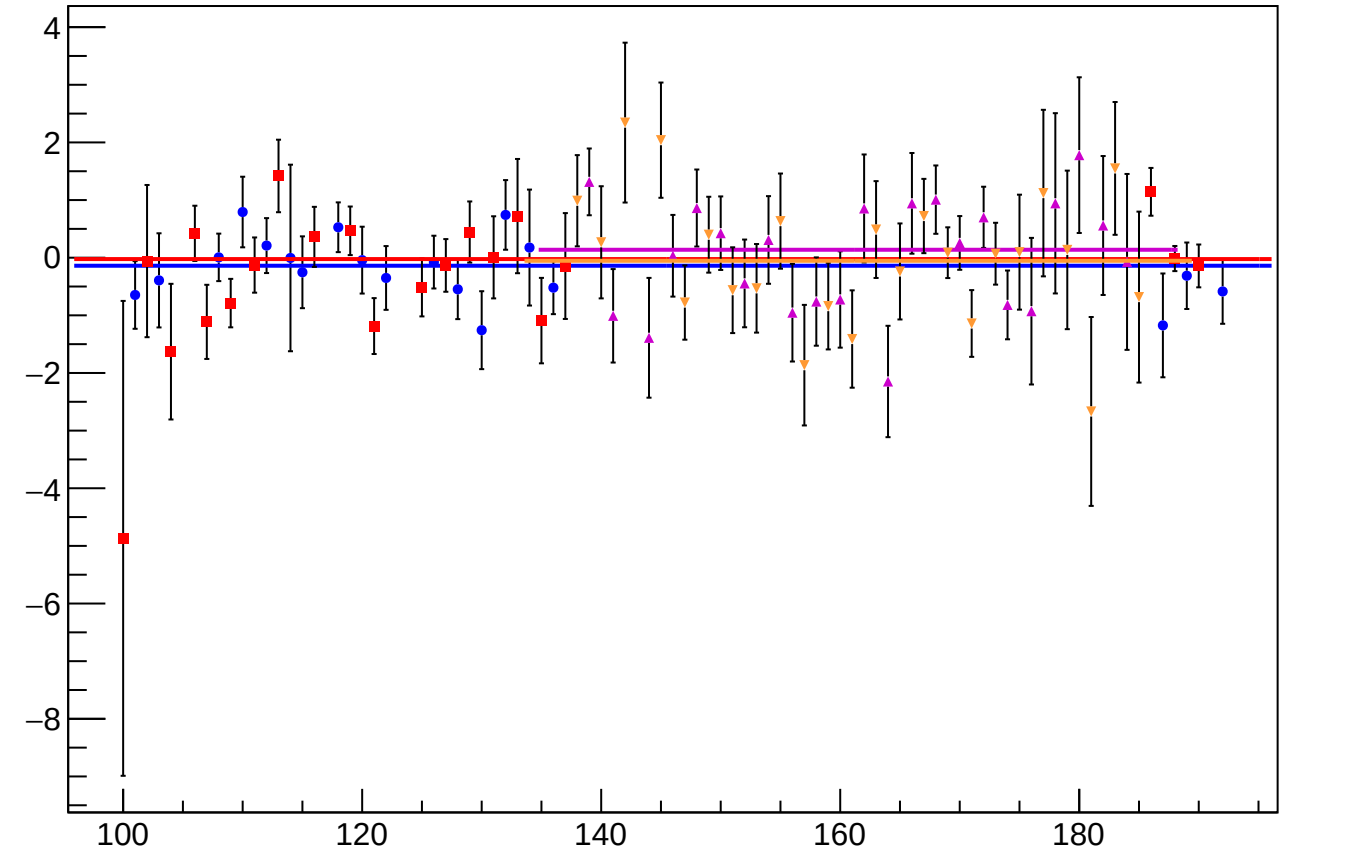
Right Out: 0.010+/-0.000 χ^2/NDF: 7247056.3/20

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.013+/-0.000 χ^2/NDF: 15439542.3/42

All: 0.013+/-0.000 χ^2/NDF: 30862041.3/86

- sign 0.012+/-0.000 χ^2/NDF: 15336474.7/43



Right In: -0.139+/-0.131 χ^2/NDF: 14.8/18

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

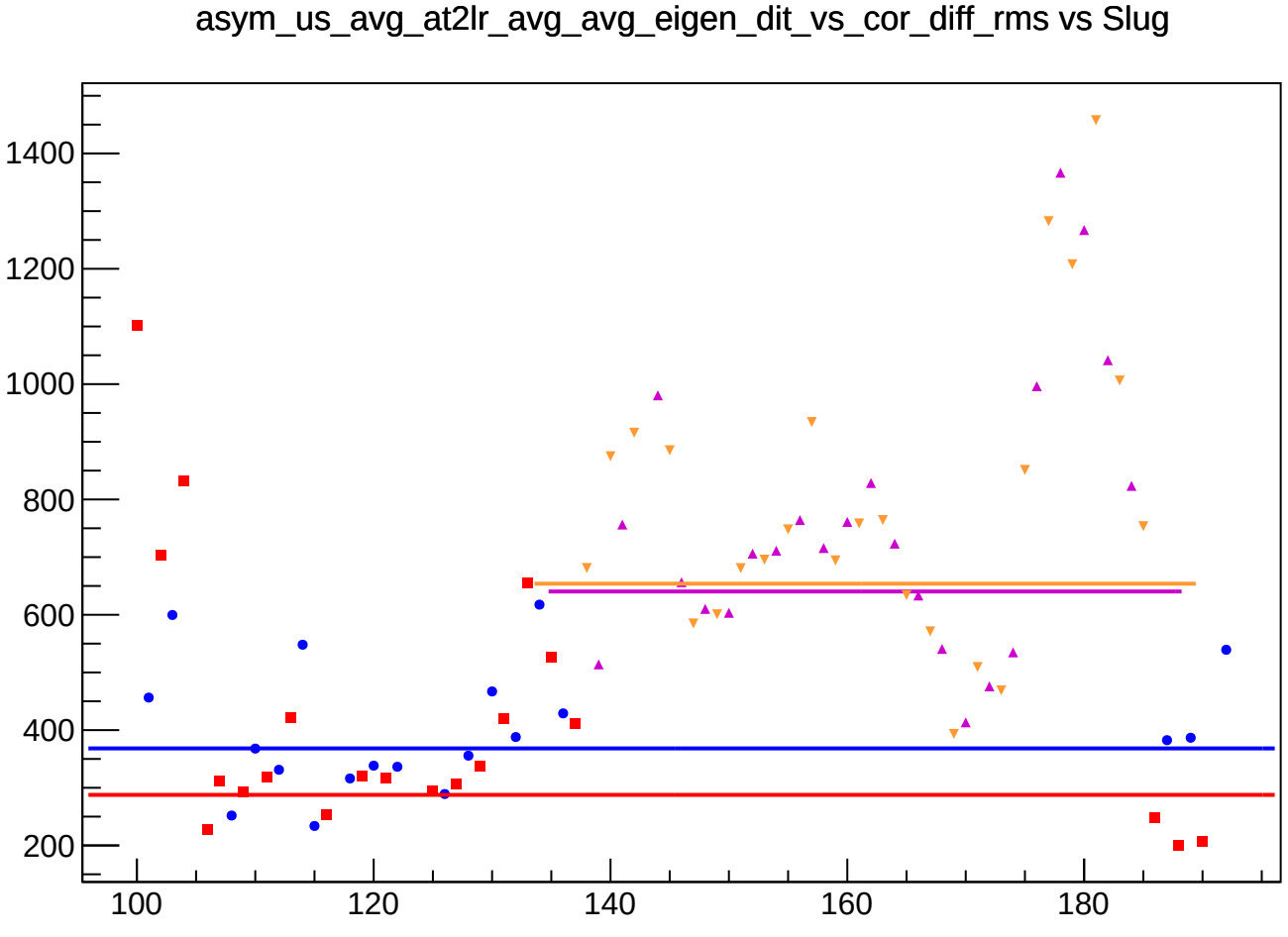
Right Out: -0.024+/-0.107 χ^2/NDF: 35.7/20

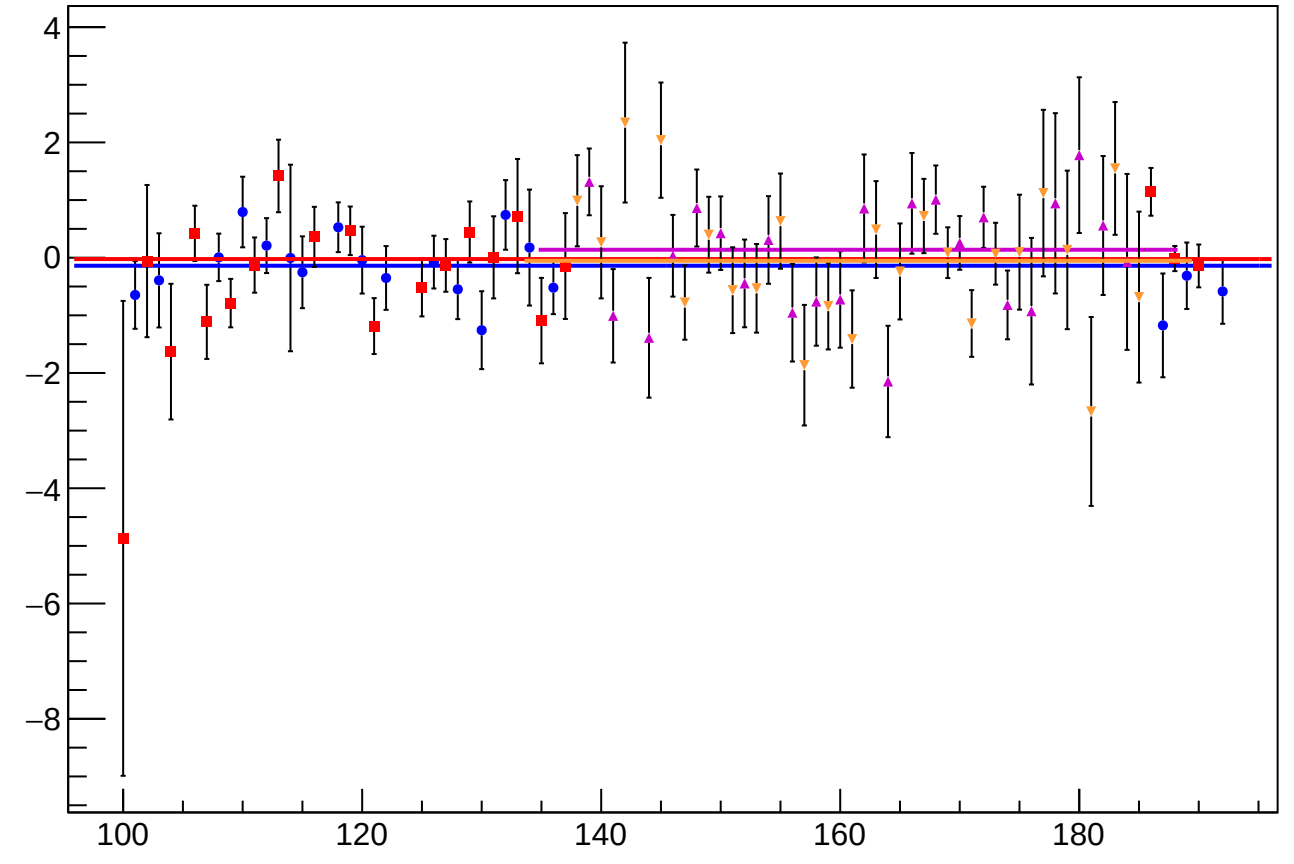
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.105+/-0.102 χ^2/NDF: 45.1/42

All: -0.030+/-0.067 χ^2/NDF: 112.4/86

- sign 0.027+/-0.089 χ^2/NDF: 66.4/43


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
120
140
160
180
Right In: 368.261+/-0.092 χ²/NDF: 988492.1/18
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 287.694+/-0.076 χ²/NDF: 1911782.7/20
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 481.495+/-0.072 χ²/NDF: 7898516.7/42
All: 434.940+/-0.047 χ²/NDF: 20022893.7/86
- sign 399.340+/-0.063 χ²/NDF: 11382895.0/43



Right In: -0.139+/-0.131 χ^2/NDF: 14.8/18

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

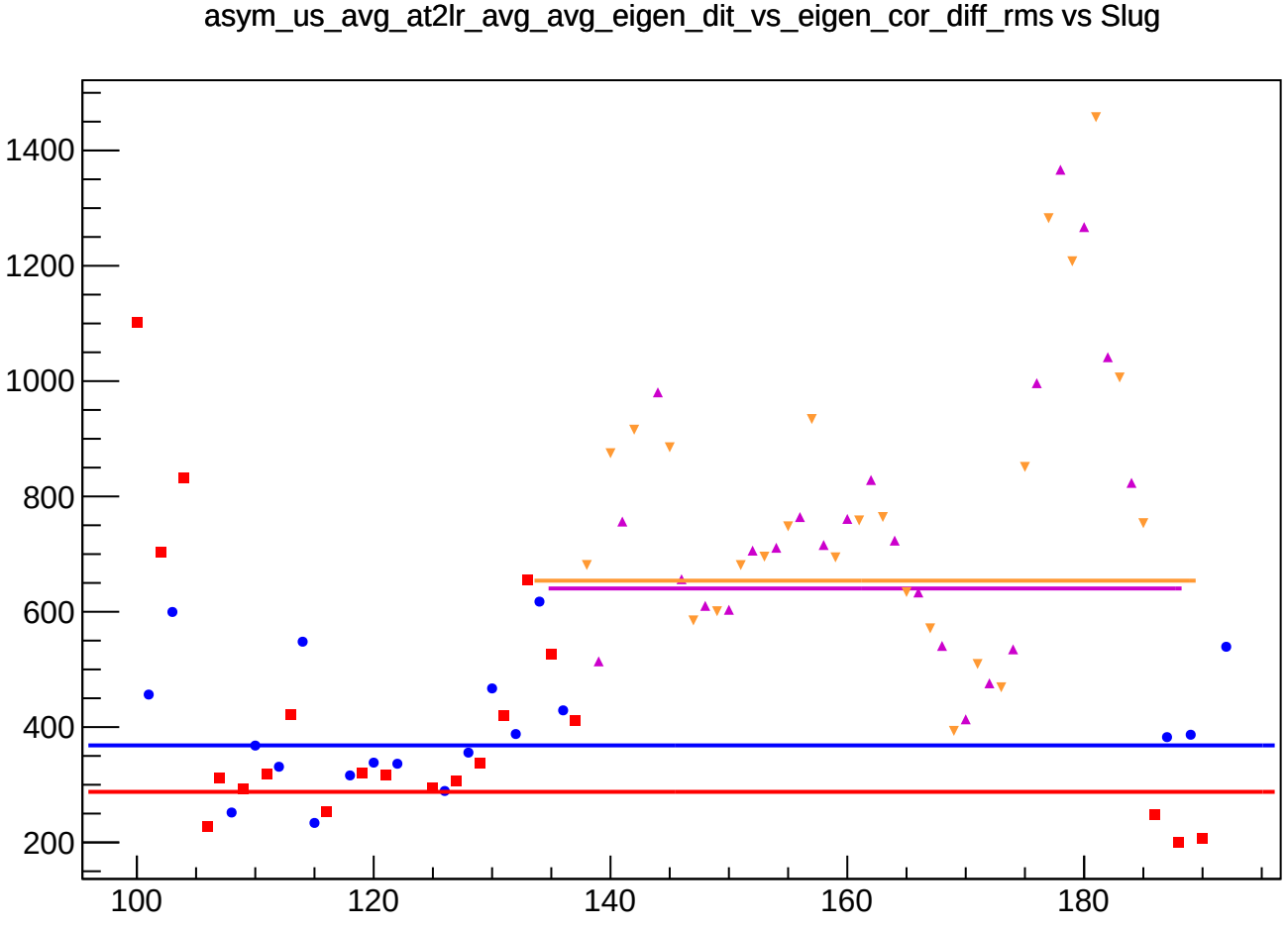
Right Out: -0.024+/-0.107 χ^2/NDF: 35.7/20

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.105+/-0.102 χ^2/NDF: 45.1/42

All: -0.030+/-0.067 χ^2/NDF: 112.4/86

- sign 0.027+/-0.089 χ^2/NDF: 66.4/43



Right In: 368.261+/-0.092 χ^2/NDF: 988492.1/18

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

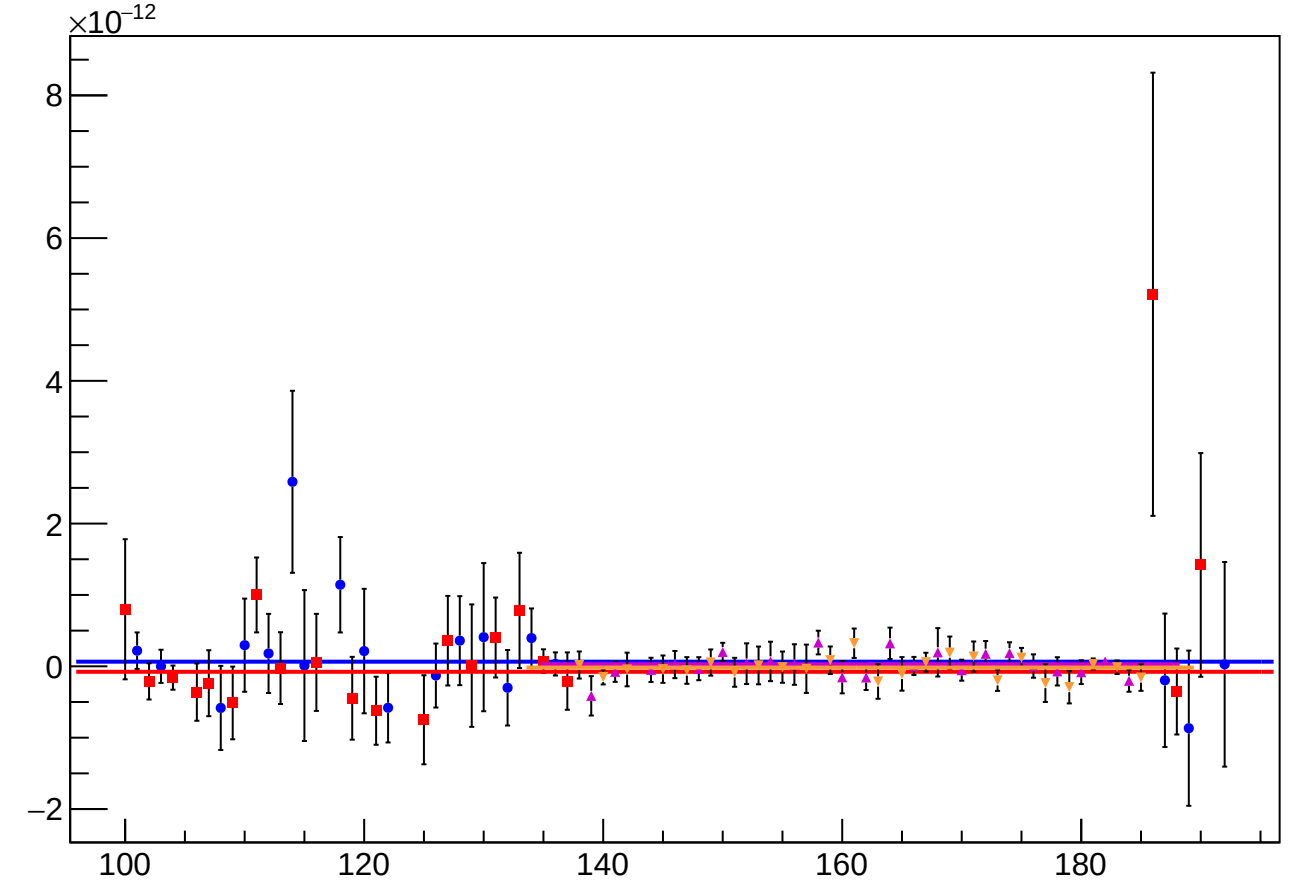
Right Out: 287.694+/-0.076 χ^2/NDF: 1911782.7/20

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 481.495+/-0.072 χ^2/NDF: 7898516.7/42

All: 434.940+/-0.047 χ^2/NDF: 20022893.7/86

- sign 399.340+/-0.063 χ^2/NDF: 11382895.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

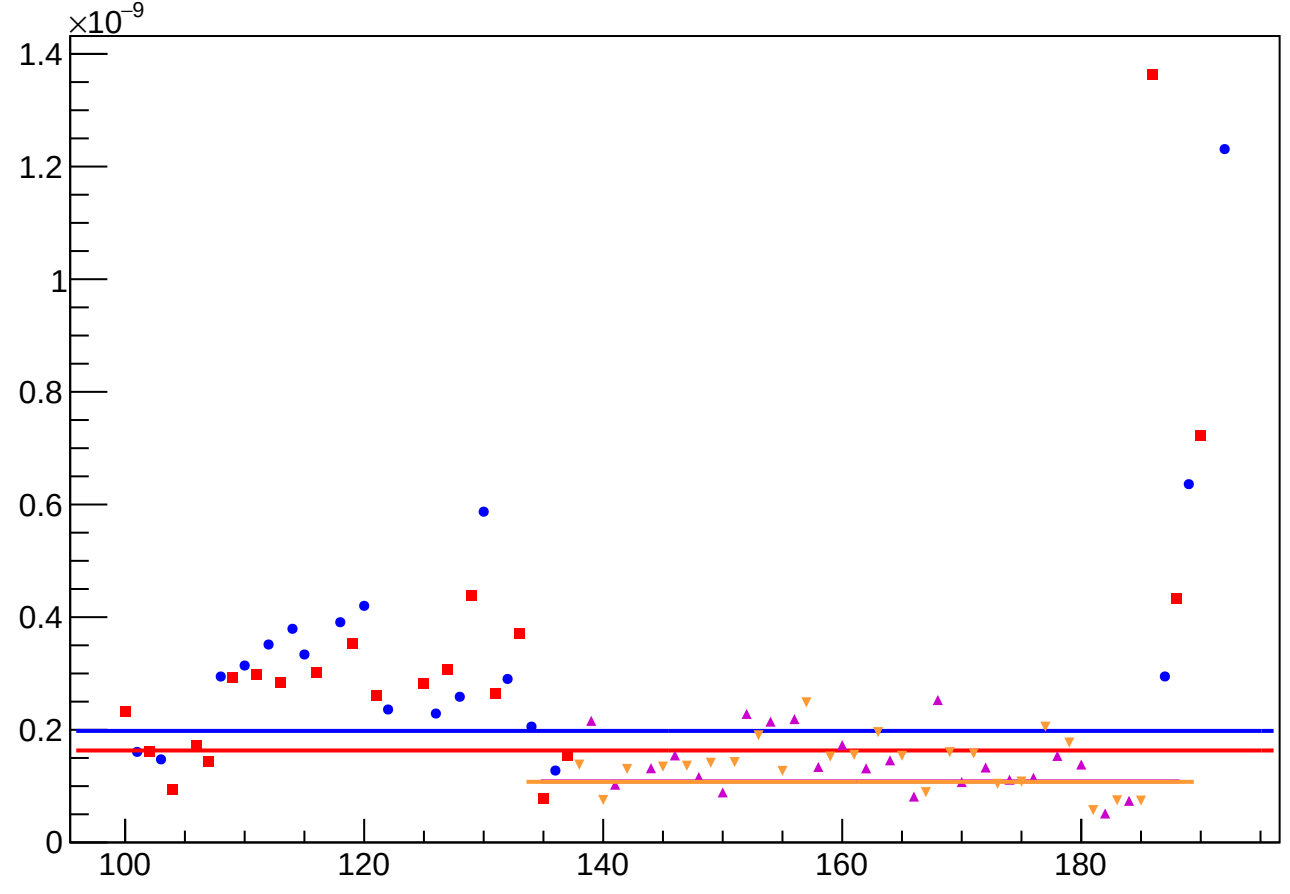
Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/20

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 26.4/42

All: 0.000+/-0.000 χ^2/NDF: 63.0/86

- sign 0.000+/-0.000 χ^2/NDF: 36.3/43



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

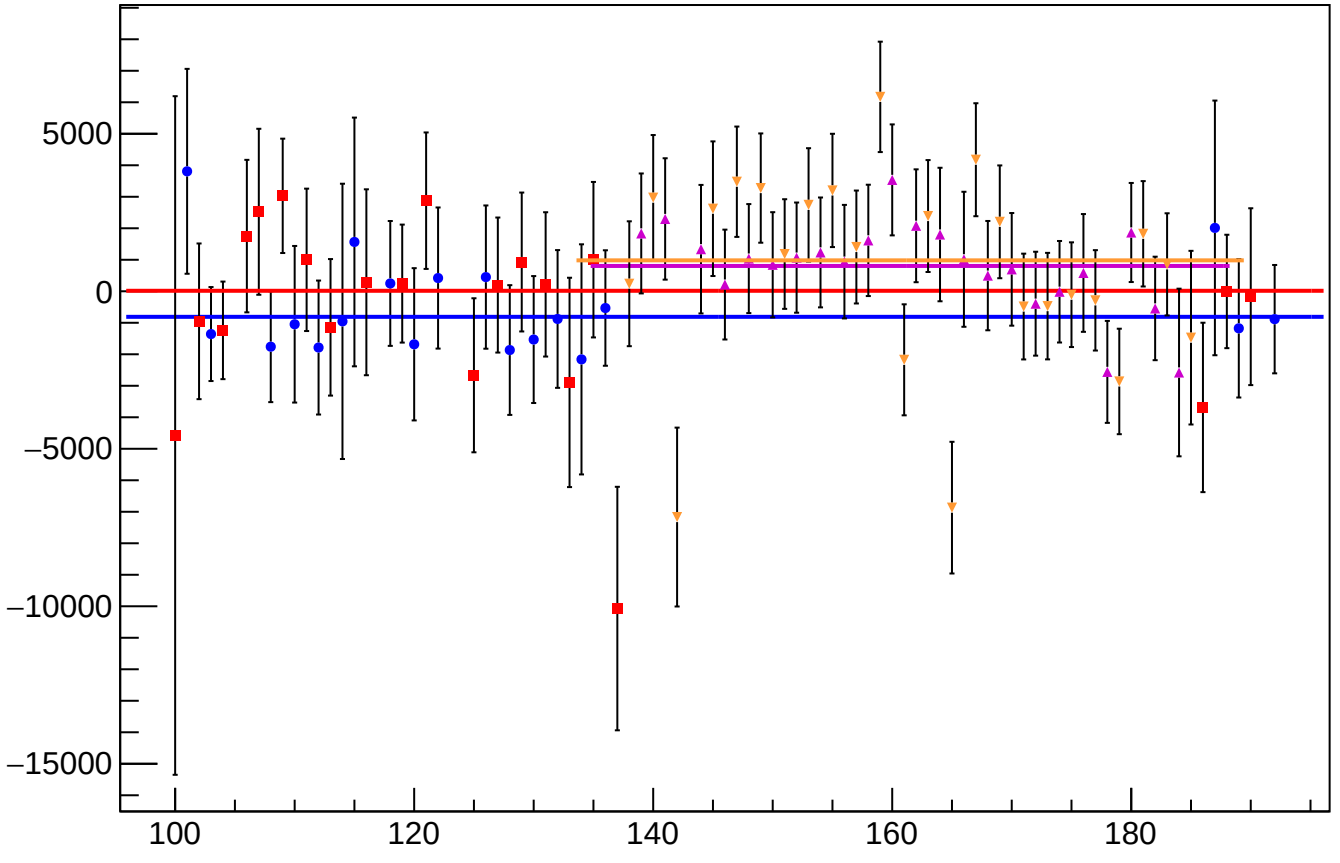
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7983157.5/42

All: 0.000+/-0.000 χ^2/NDF: 15759273.0/86

- sign 0.000+/-0.000 χ^2/NDF: 7773605.0/43

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



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

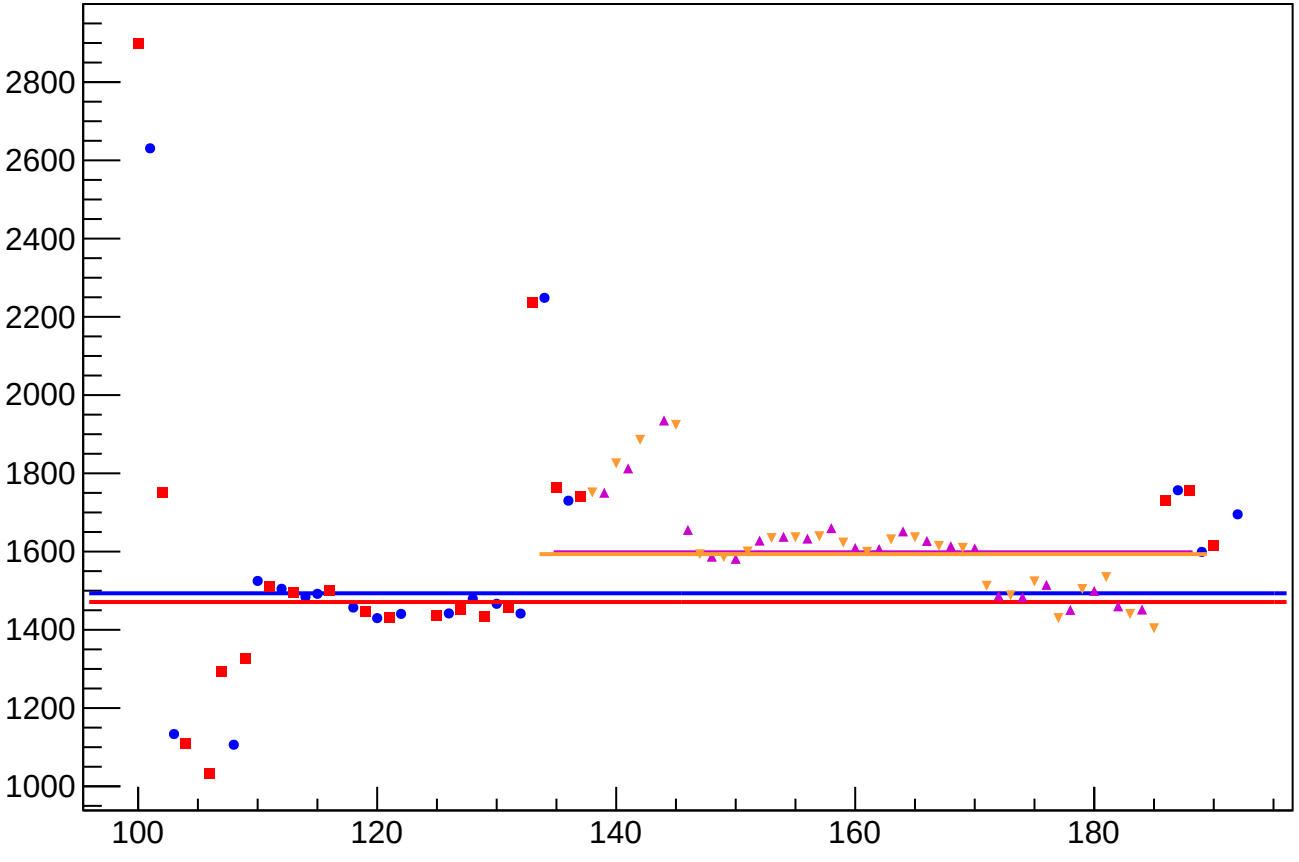
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

\+ sign 360.458+/-299.795 χ^2/NDF: 68.8/42

All: 442.600+/-212.339 χ^2/NDF: 101.4/86

\- sign 525.291+/-300.793 χ^2/NDF: 32.5/43

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1493.363+/-0.360 χ^2/NDF: 623355.2/18

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

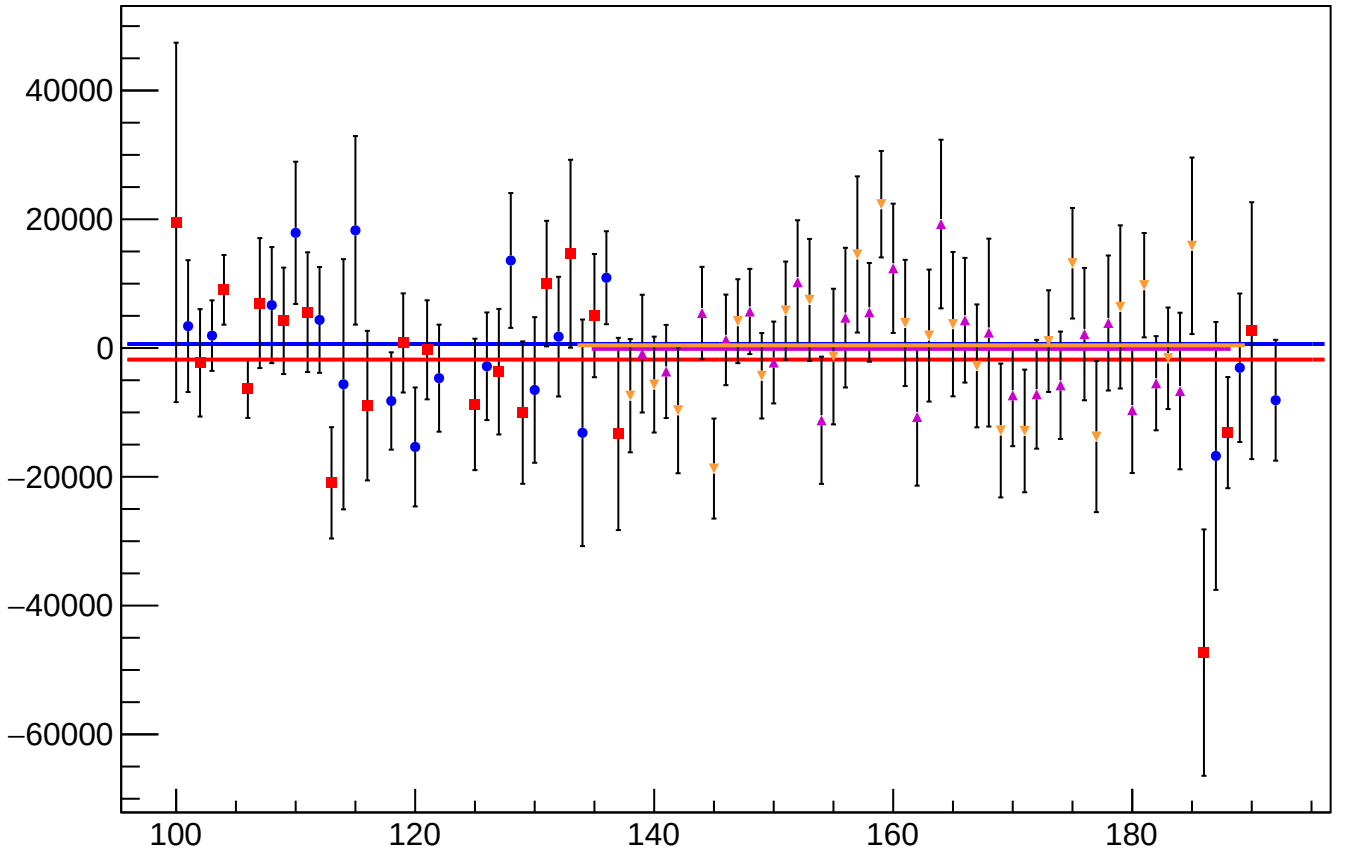
Right Out: 1471.030+/-0.356 χ^2/NDF: 497516.3/20

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1558.794+/-0.212 χ^2/NDF: 861474.4/42

All: 1555.820+/-0.150 χ^2/NDF: 1610795.8/86

- sign 1552.838+/-0.212 χ^2/NDF: 748927.1/43



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

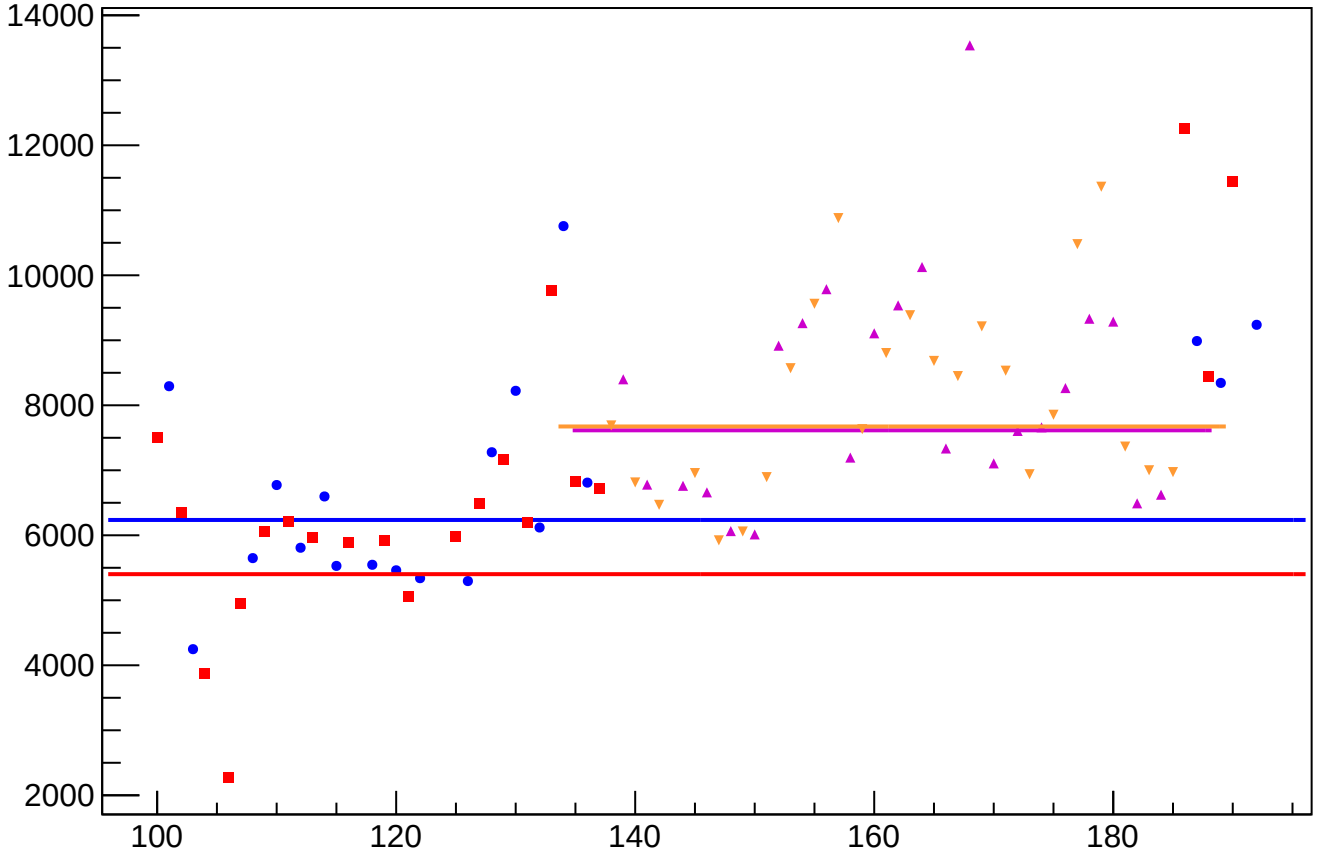
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 510.530+/-1390.062 χ^2/NDF: 45.4/42

All: -230.806+/-959.171 χ^2/NDF: 85.4/86

- sign -904.580+/-1325.206 χ^2/NDF: 39.5/43

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



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

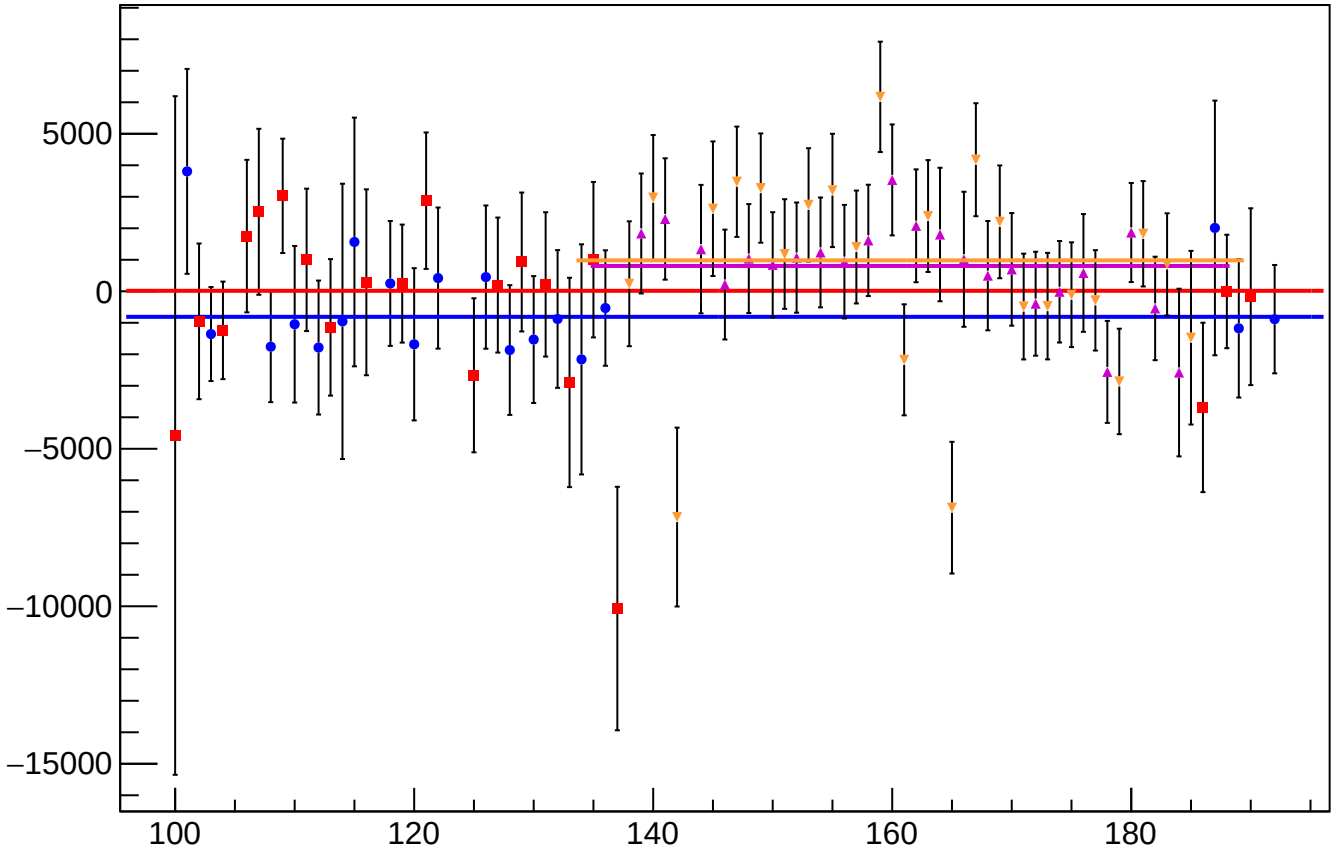
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7074.886+/-0.983 χ^2/NDF: 2577489.9/42

All: 6816.654+/-0.678 χ^2/NDF: 7536541.0/86

- sign 6581.956+/-0.937 χ^2/NDF: 4827299.5/43

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



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

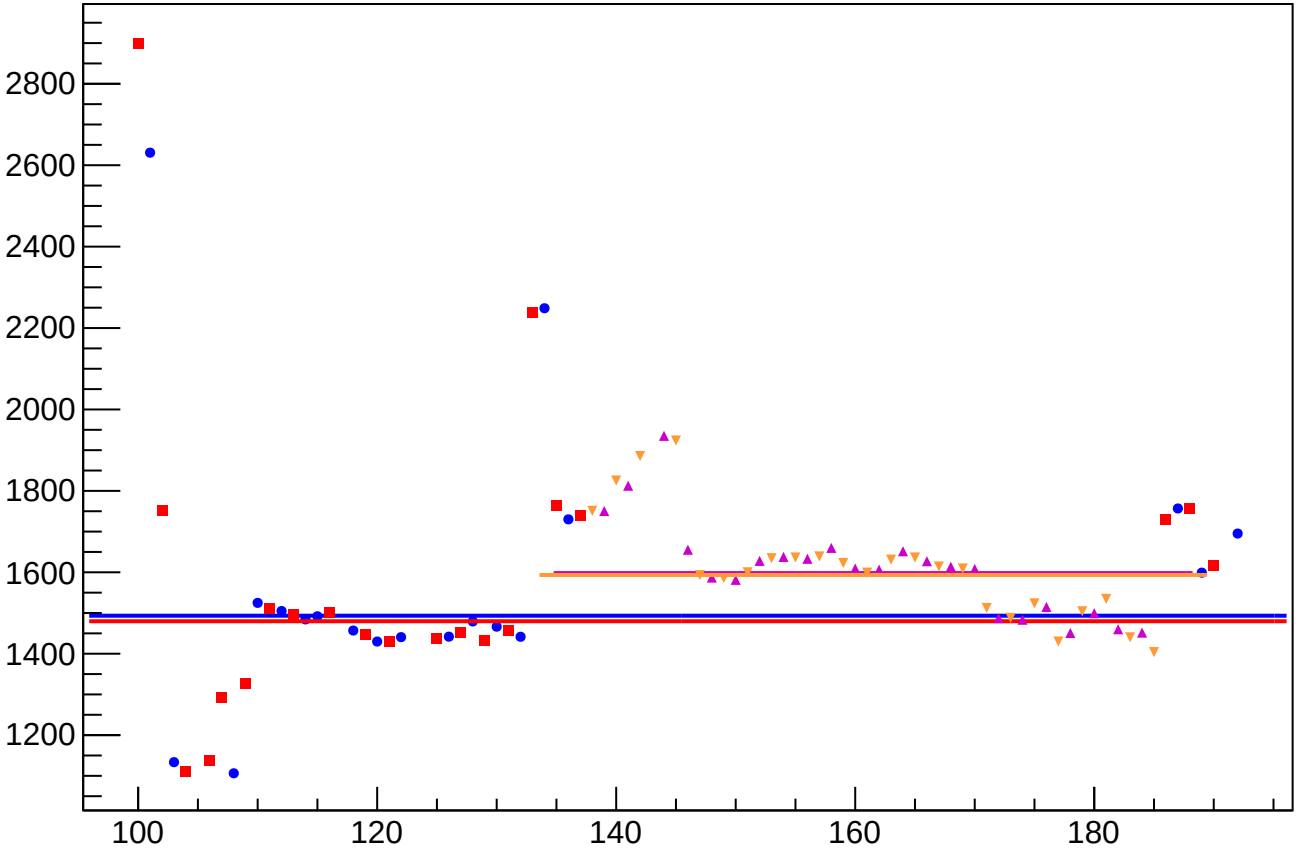
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 360.488+/-299.795 χ^2/NDF: 68.8/42

All: 442.552+/-212.339 χ^2/NDF: 101.4/86

- sign 525.164+/-300.793 χ^2/NDF: 32.5/43

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1493.363+/-0.360 χ^2/NDF: 623355.5/18

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

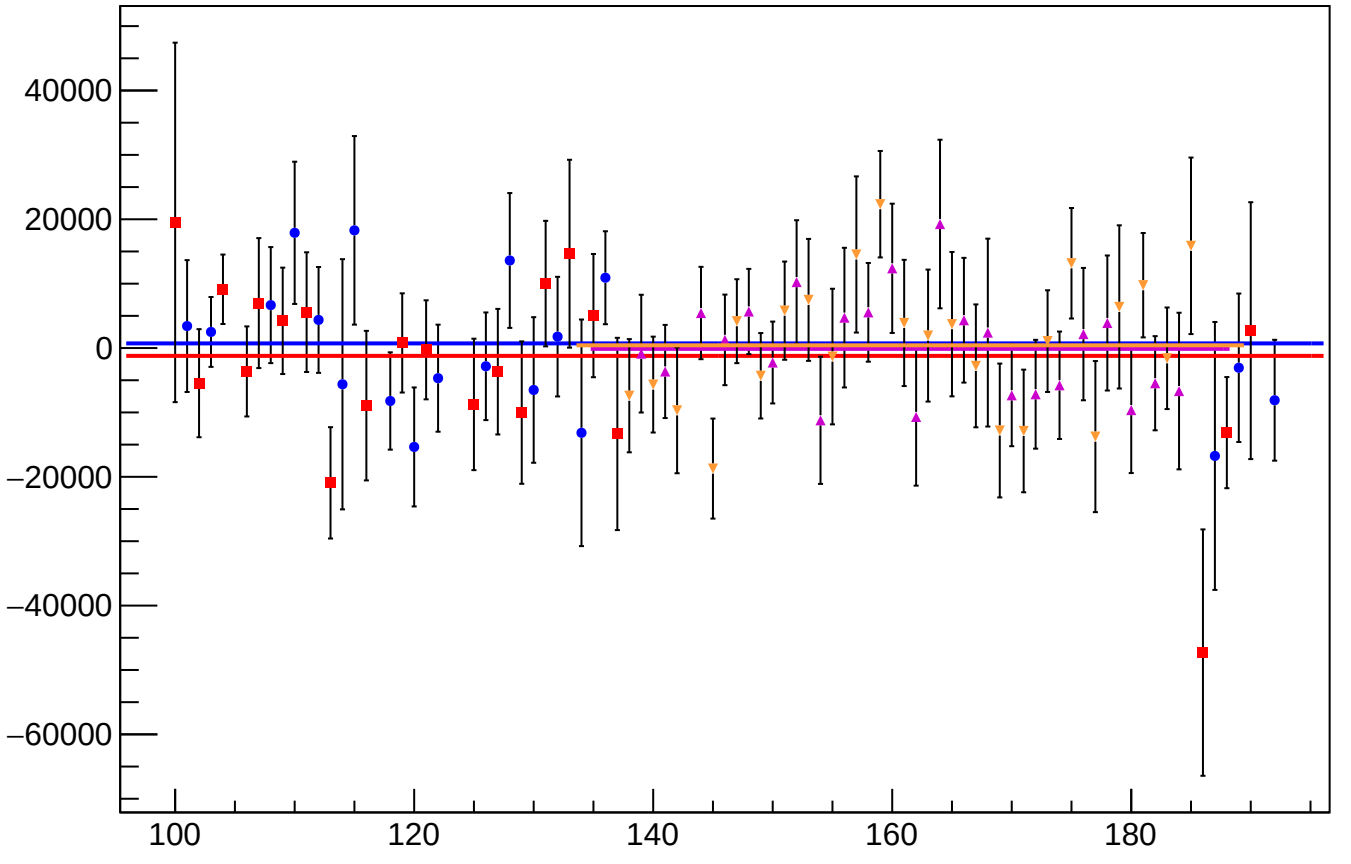
Right Out: 1479.786+/-0.357 χ^2/NDF: 454002.7/20

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1558.794+/-0.212 χ^2/NDF: 861474.8/42

All: 1557.498+/-0.150 χ^2/NDF: 1555618.6/86

- sign 1556.195+/-0.213 χ^2/NDF: 694068.9/43



Right In: 721.804+/-2150.481 χ^2/NDF: 16.1/18

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

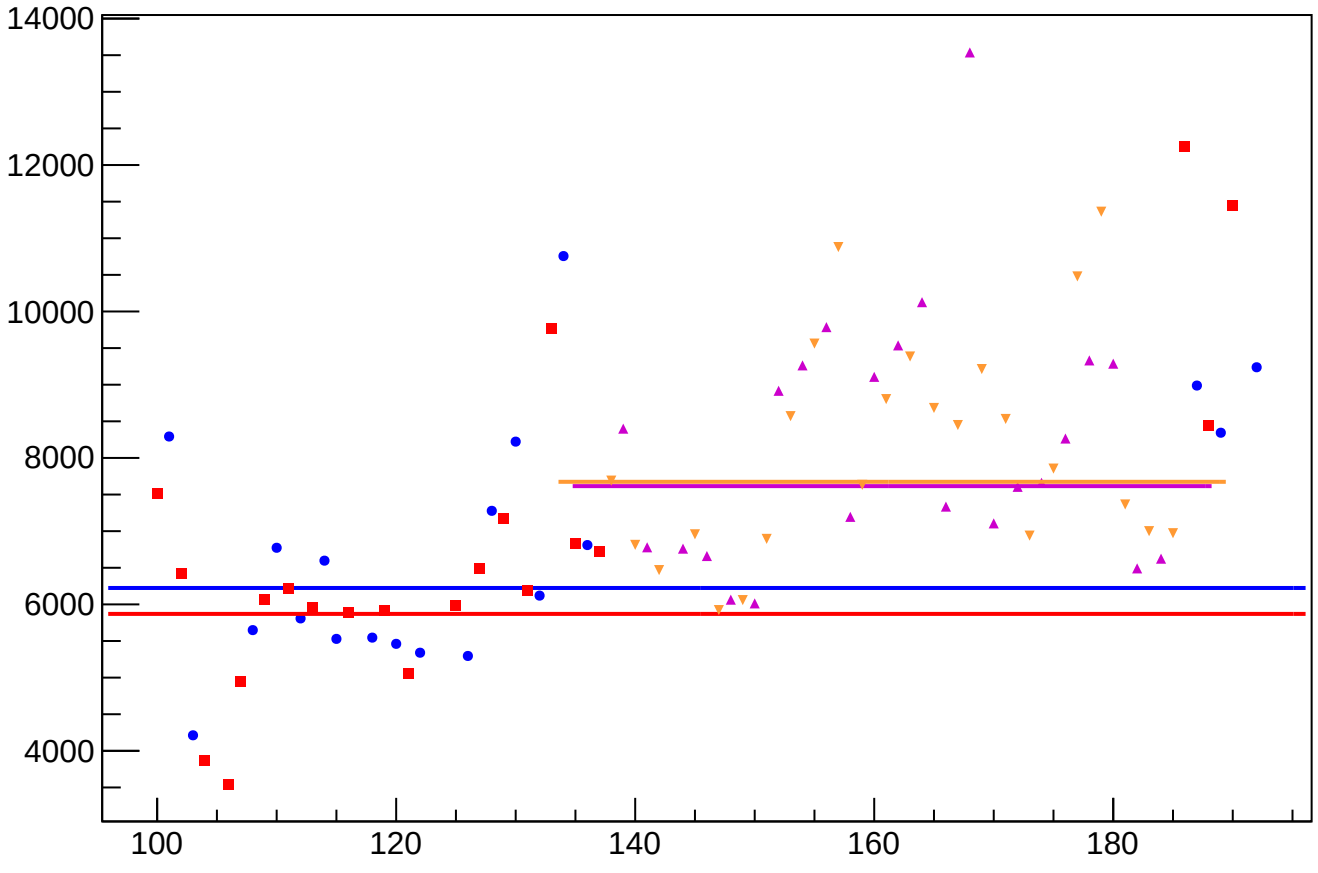
Right Out: -1215.365+/-2047.847 χ^2/NDF: 24.5/20

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 549.850+/-1389.194 χ^2/NDF: 45.4/42

All: -40.804+/-971.173 χ^2/NDF: 84.4/86

- sign -605.414+/-1358.223 χ^2/NDF: 38.6/43



Right In: 6224.155+/-1.521 χ^2/NDF: 995091.6/18

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

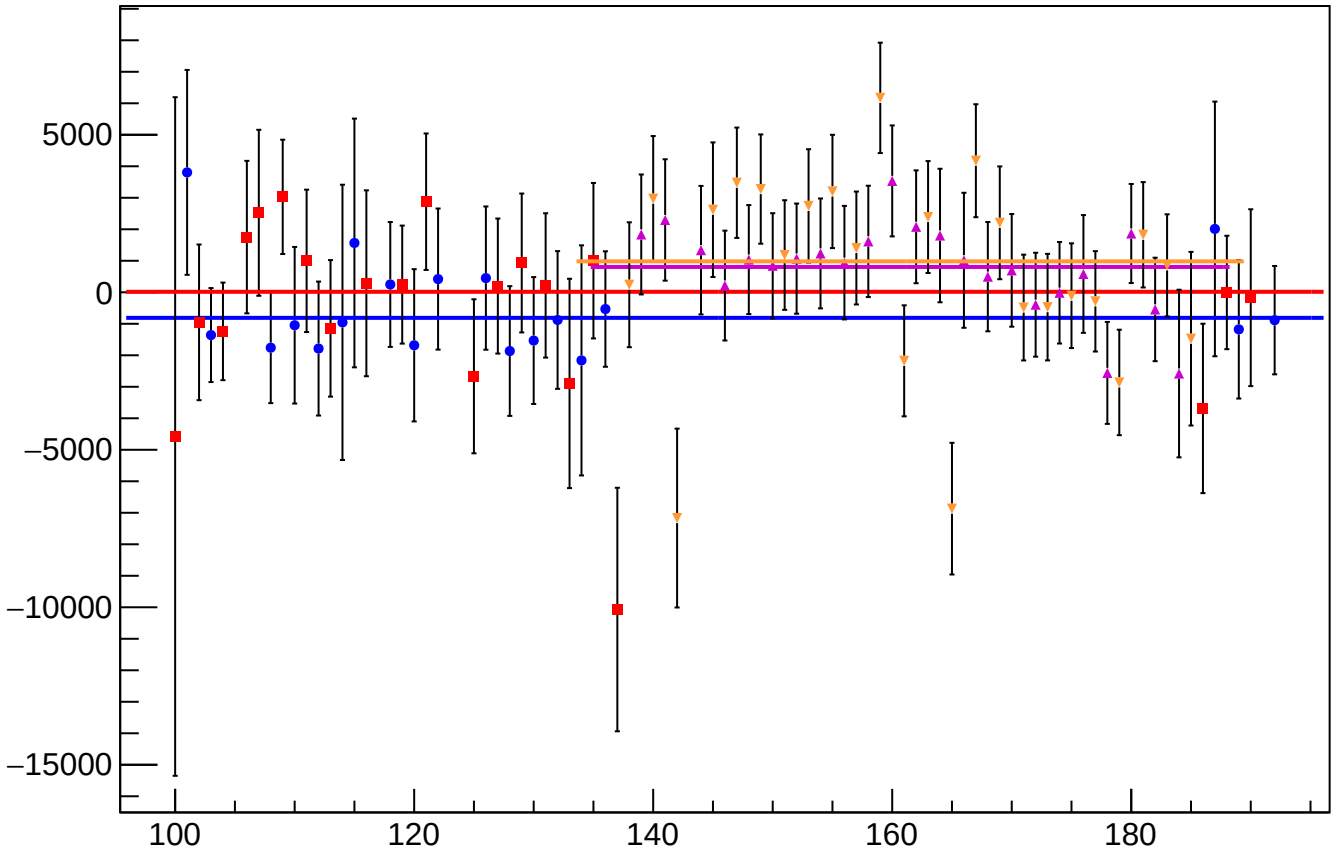
Right Out: 5870.094+/-1.448 χ^2/NDF: 1320859.3/20

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7069.008+/-0.982 χ^2/NDF: 2601565.2/42

All: 6955.710+/-0.687 χ^2/NDF: 5986234.6/86

- sign 6847.408+/-0.960 χ^2/NDF: 3358650.2/43



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

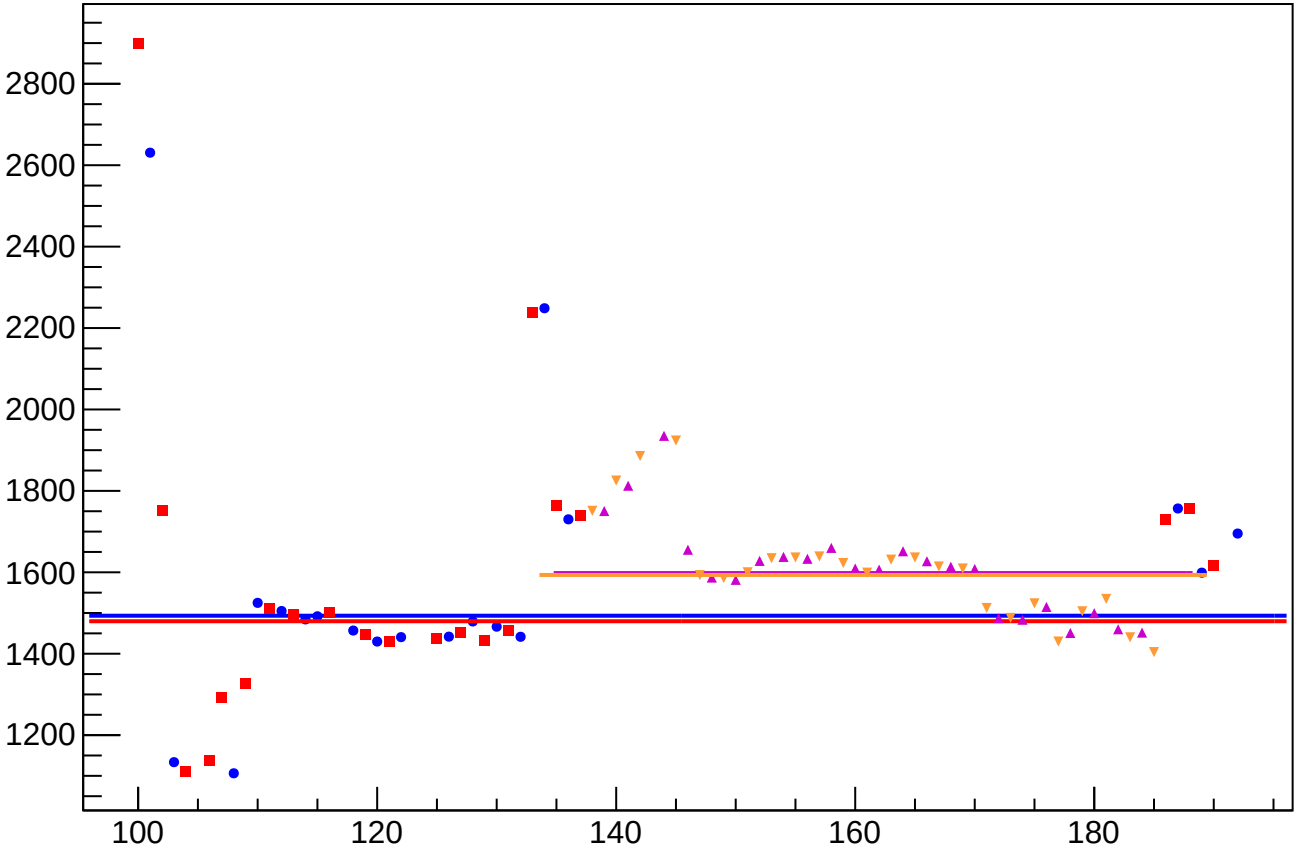
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 360.488+/-299.795 χ^2/NDF: 68.8/42

All: 442.552+/-212.339 χ^2/NDF: 101.4/86

- sign 525.164+/-300.793 χ^2/NDF: 32.5/43

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1493.363+/-0.360 χ^2/NDF: 623355.5/18

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

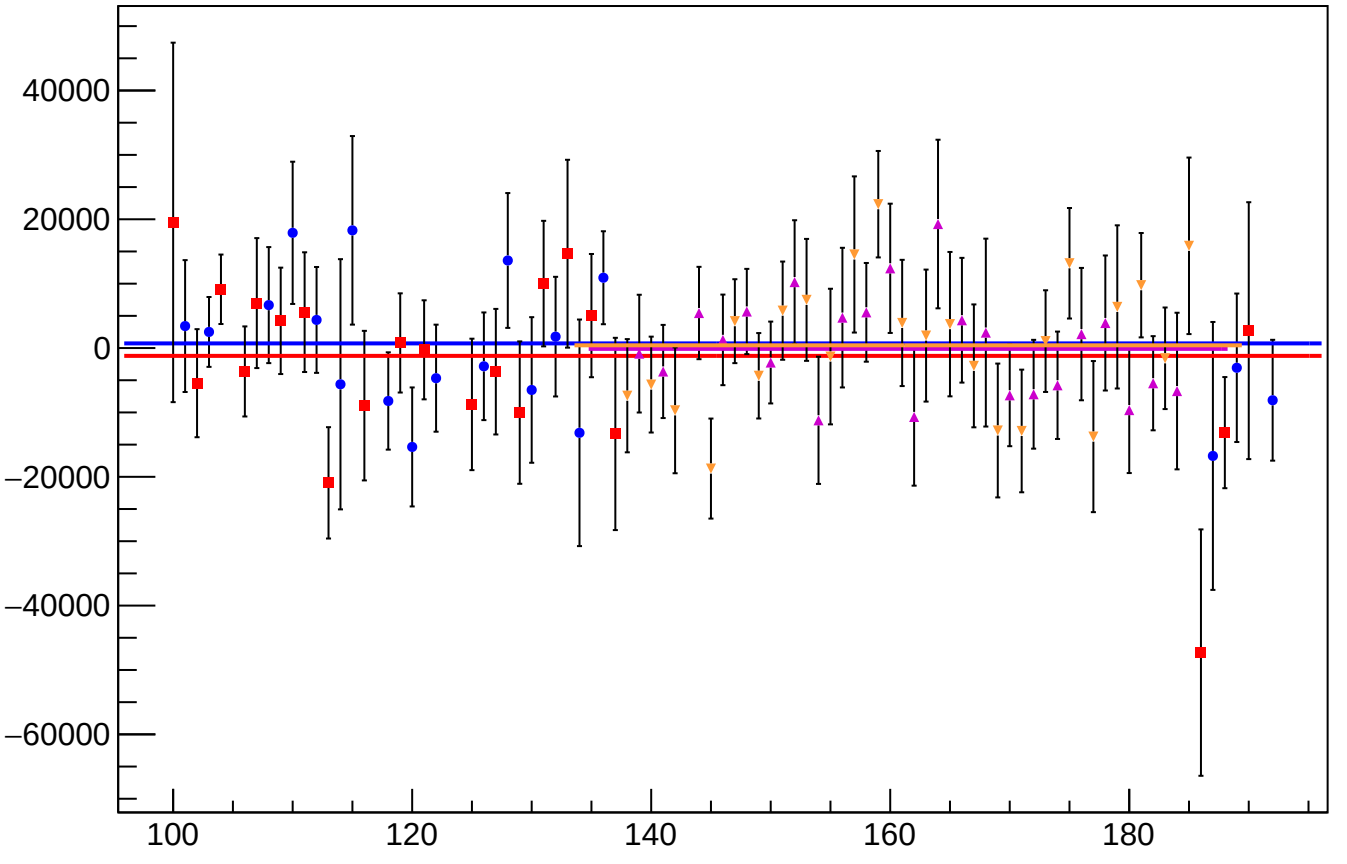
Right Out: 1479.786+/-0.357 χ^2/NDF: 454002.7/20

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1558.794+/-0.212 χ^2/NDF: 861474.8/42

All: 1557.498+/-0.150 χ^2/NDF: 1555618.6/86

- sign 1556.195+/-0.213 χ^2/NDF: 694068.9/43



Right In: 721.804+/-2150.481 χ^2/NDF: 16.1/18

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

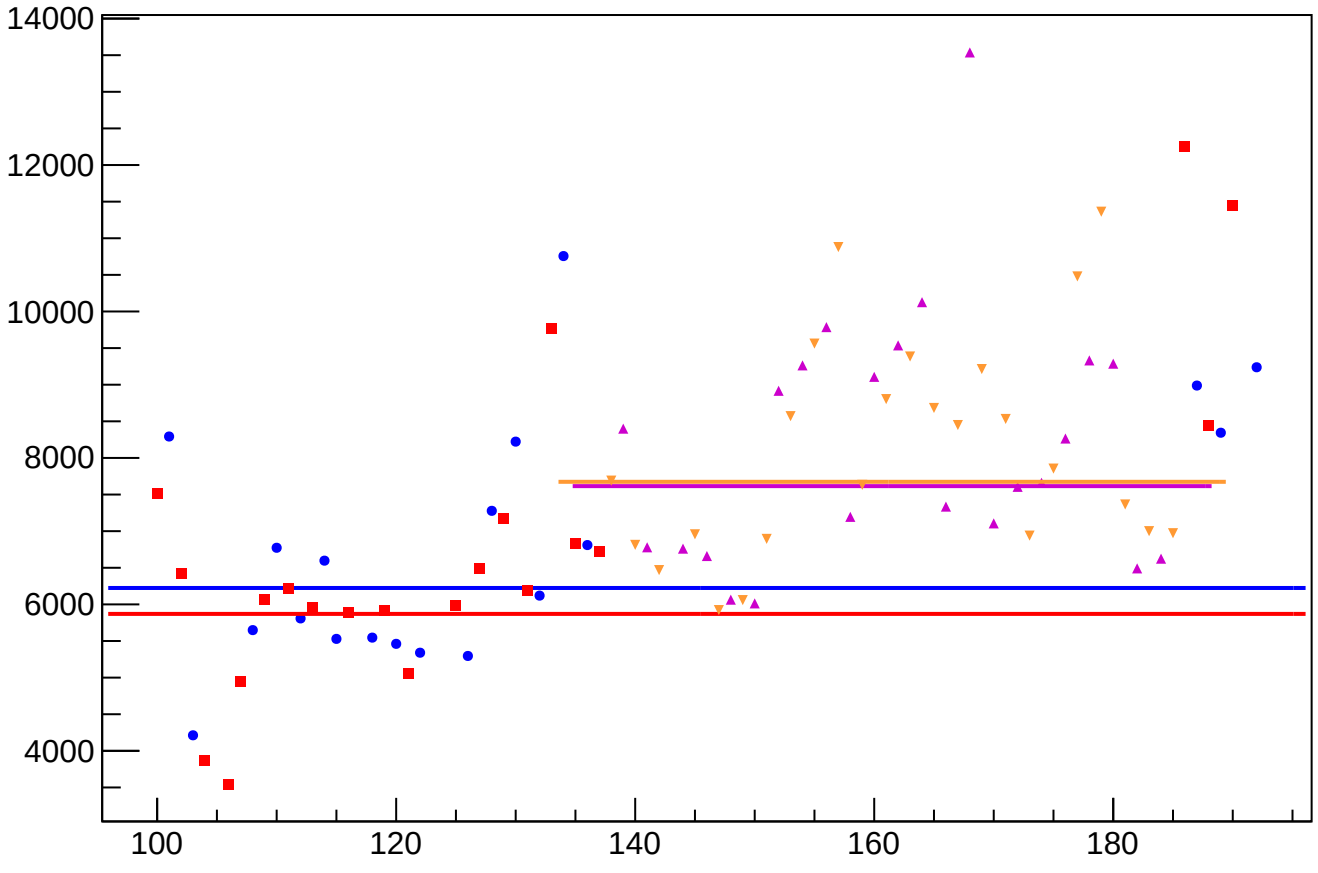
Right Out: -1215.365+/-2047.847 χ^2/NDF: 24.5/20

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 549.850+/-1389.194 χ^2/NDF: 45.4/42

All: -40.804+/-971.173 χ^2/NDF: 84.4/86

- sign -605.414+/-1358.223 χ^2/NDF: 38.6/43



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

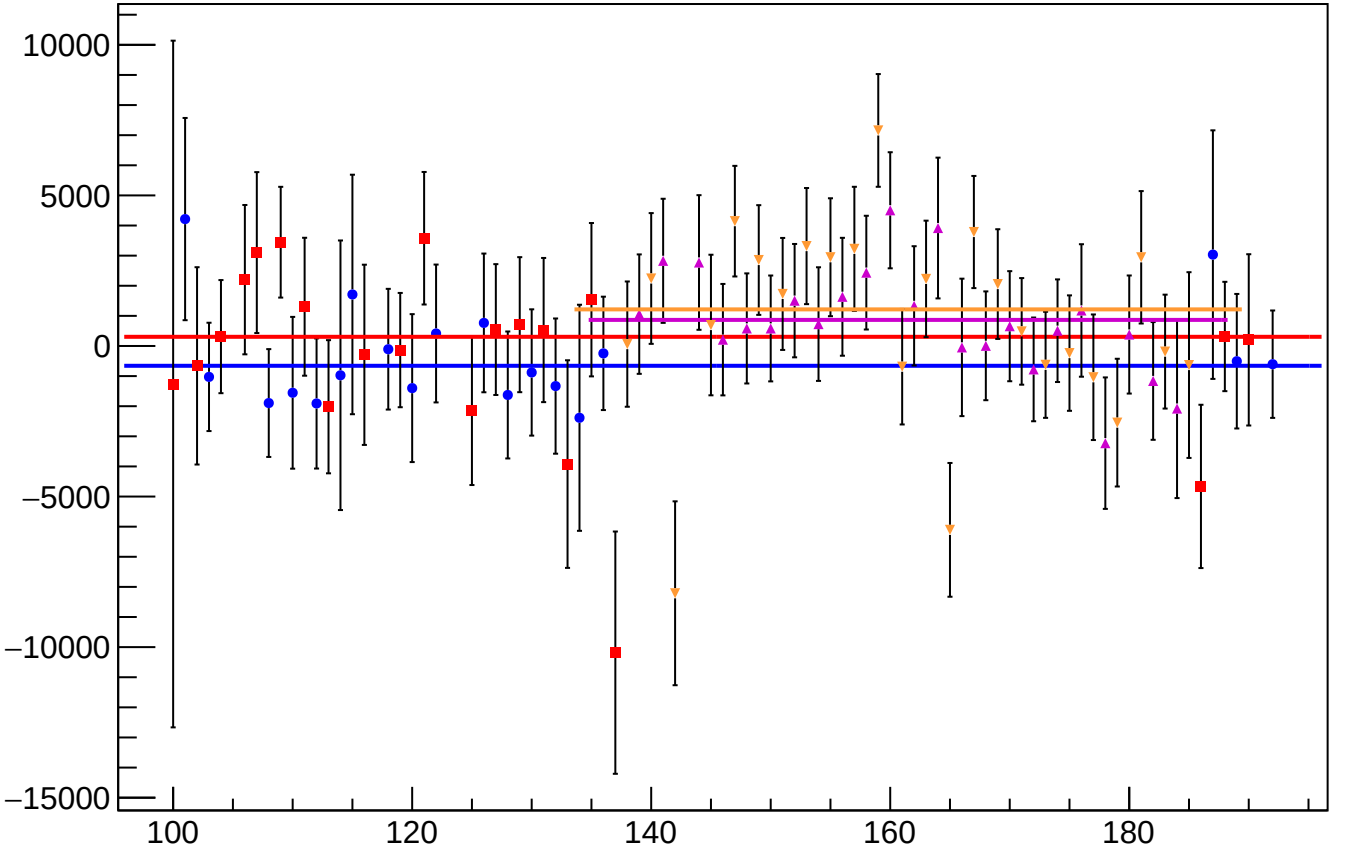
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7069.008+/-0.982 χ^2/NDF: 2601565.2/42

All: 6955.710+/-0.687 χ^2/NDF: 5986234.6/86

- sign 6847.408+/-0.960 χ^2/NDF: 3358650.2/43

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -657.731+/-529.541 χ^2/NDF: 5.6/18

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 304.657+/-528.038 χ^2/NDF: 21.2/20

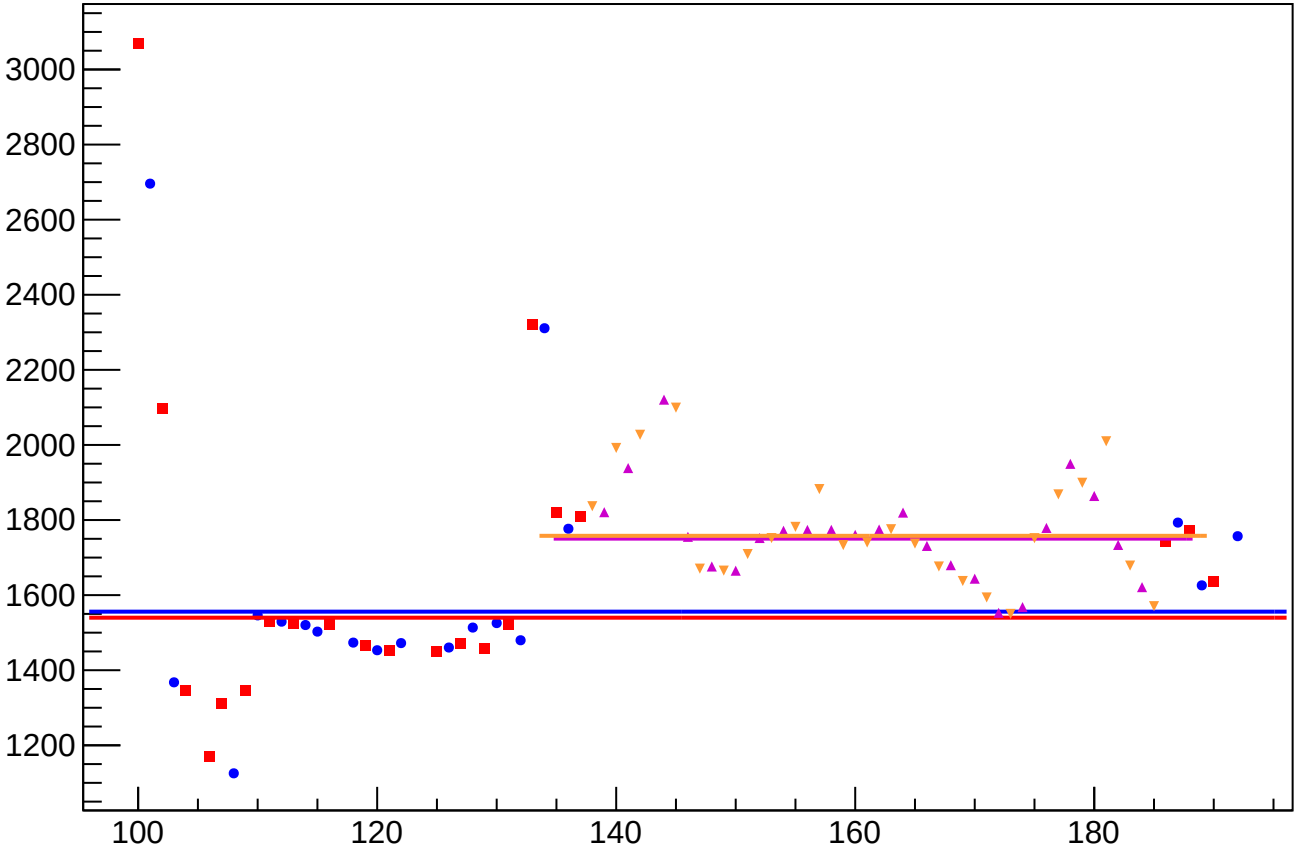
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 514.223+/-323.981 χ^2/NDF: 61.9/42

All: 584.564+/-229.047 χ^2/NDF: 99.0/86

- sign 654.853+/-323.860 χ^2/NDF: 37.1/43

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1555.999+/-0.374 χ^2/NDF: 527859.0/18

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

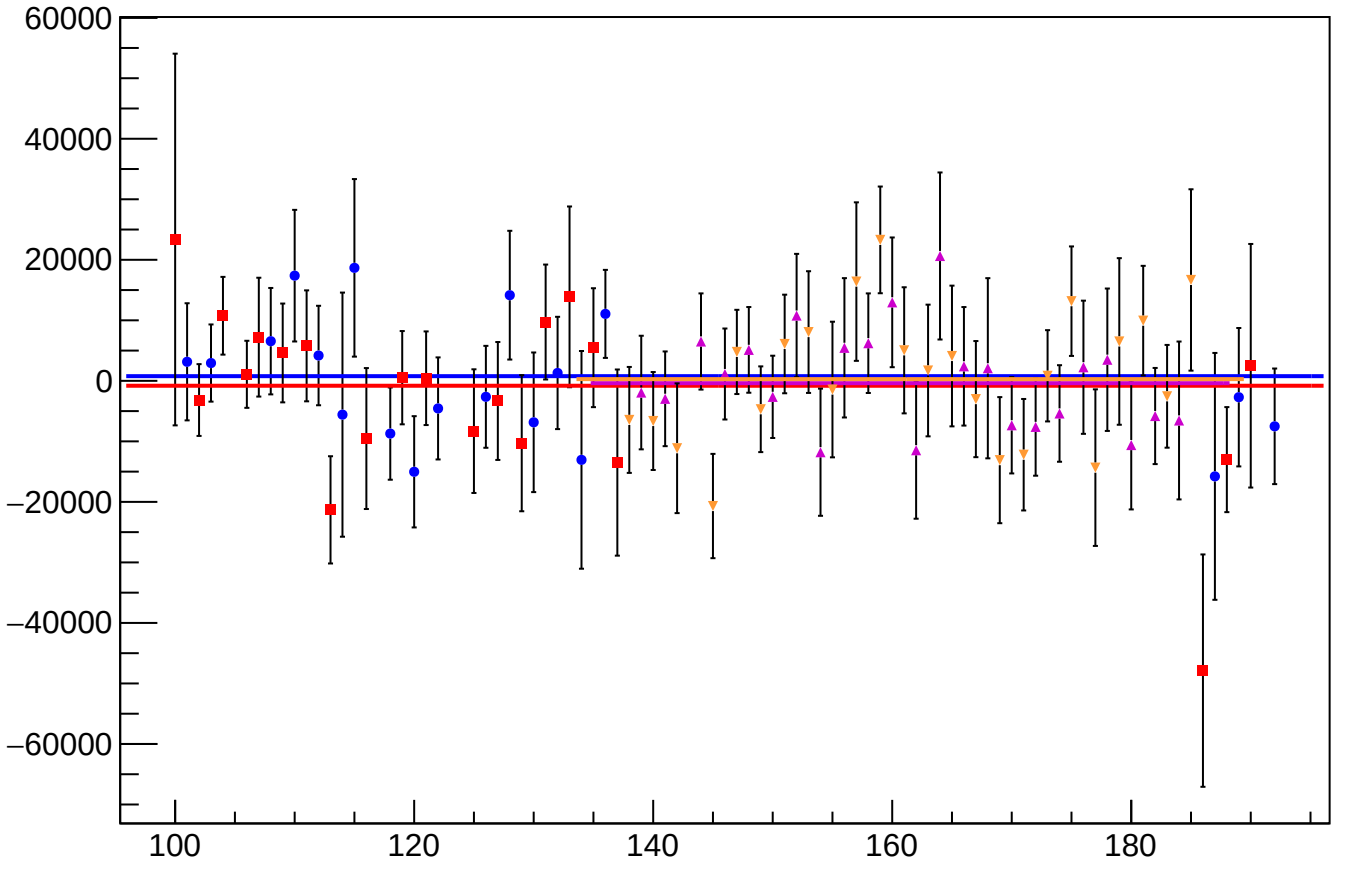
Right Out: 1539.913+/-0.373 χ^2/NDF: 393097.6/20

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1682.365+/-0.229 χ^2/NDF: 923172.7/42

All: 1676.802+/-0.162 χ^2/NDF: 1687795.2/86

- sign 1671.245+/-0.229 χ^2/NDF: 763443.8/43



Right In: 773.494+/-2198.979 χ^2/NDF: 15.9/18

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

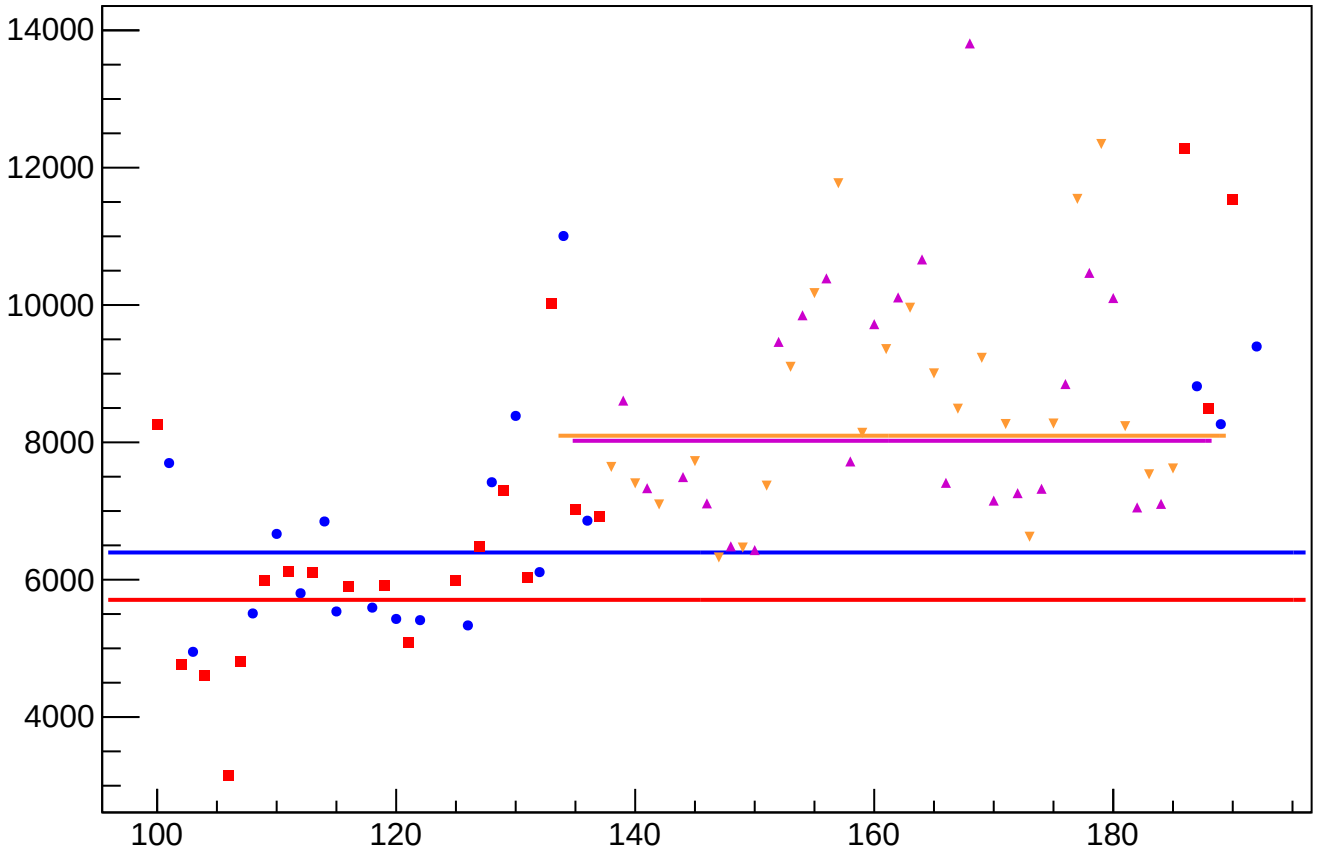
Right Out: -810.321+/-1984.533 χ^2/NDF: 24.4/20

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 496.287+/-1446.343 χ^2/NDF: 44.6/42

All: -72.750+/-997.322 χ^2/NDF: 82.9/86

- sign -588.576+/-1377.060 χ^2/NDF: 38.0/43



Right In: 6396.314+/-1.555 χ^2/NDF: 780783.8/18

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

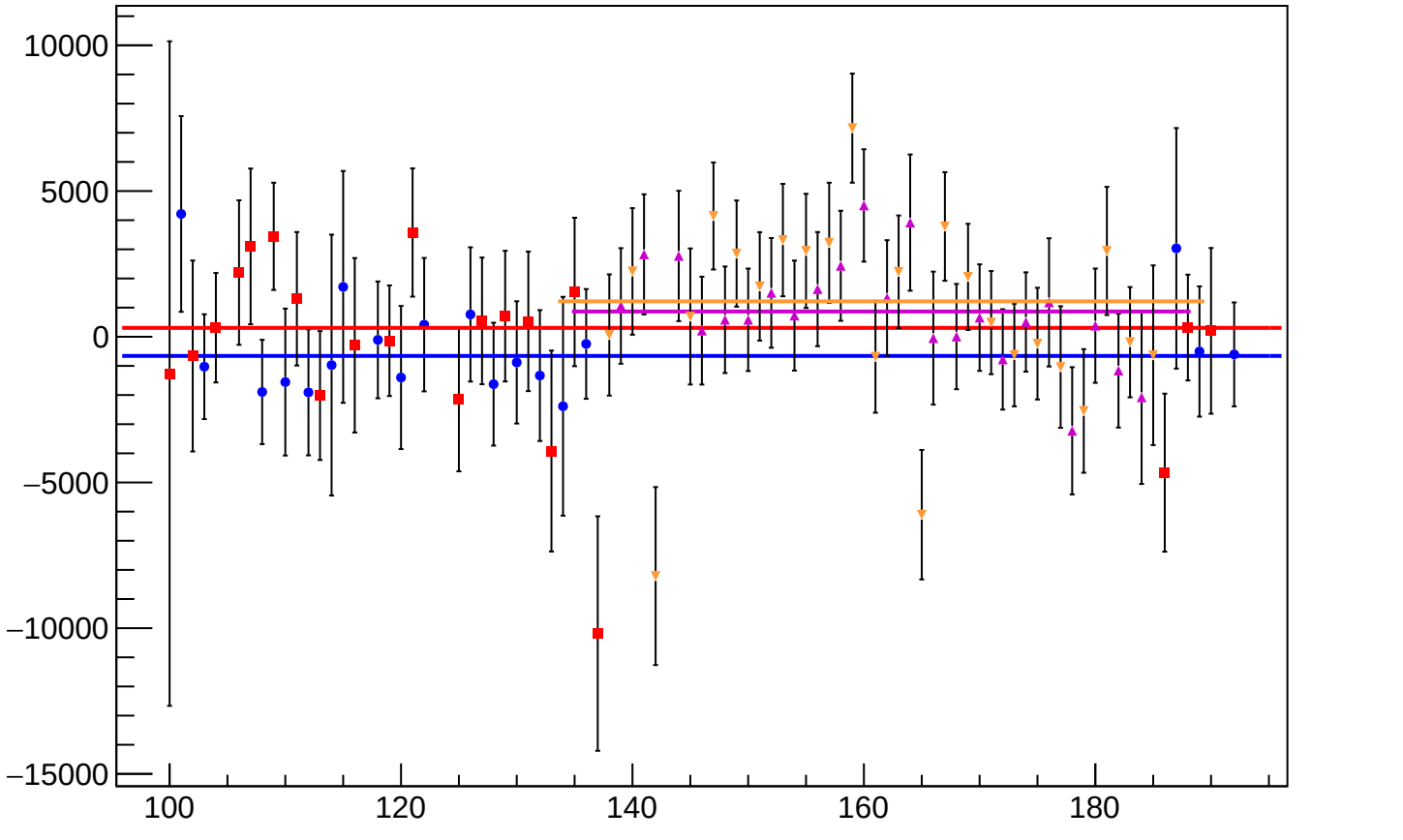
Right Out: 5706.559+/-1.403 χ^2/NDF: 1471611.4/20

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7361.159+/-1.023 χ^2/NDF: 2547190.0/42

All: 7123.209+/-0.705 χ^2/NDF: 6760118.6/86

- sign 6907.509+/-0.974 χ^2/NDF: 4109725.4/43



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

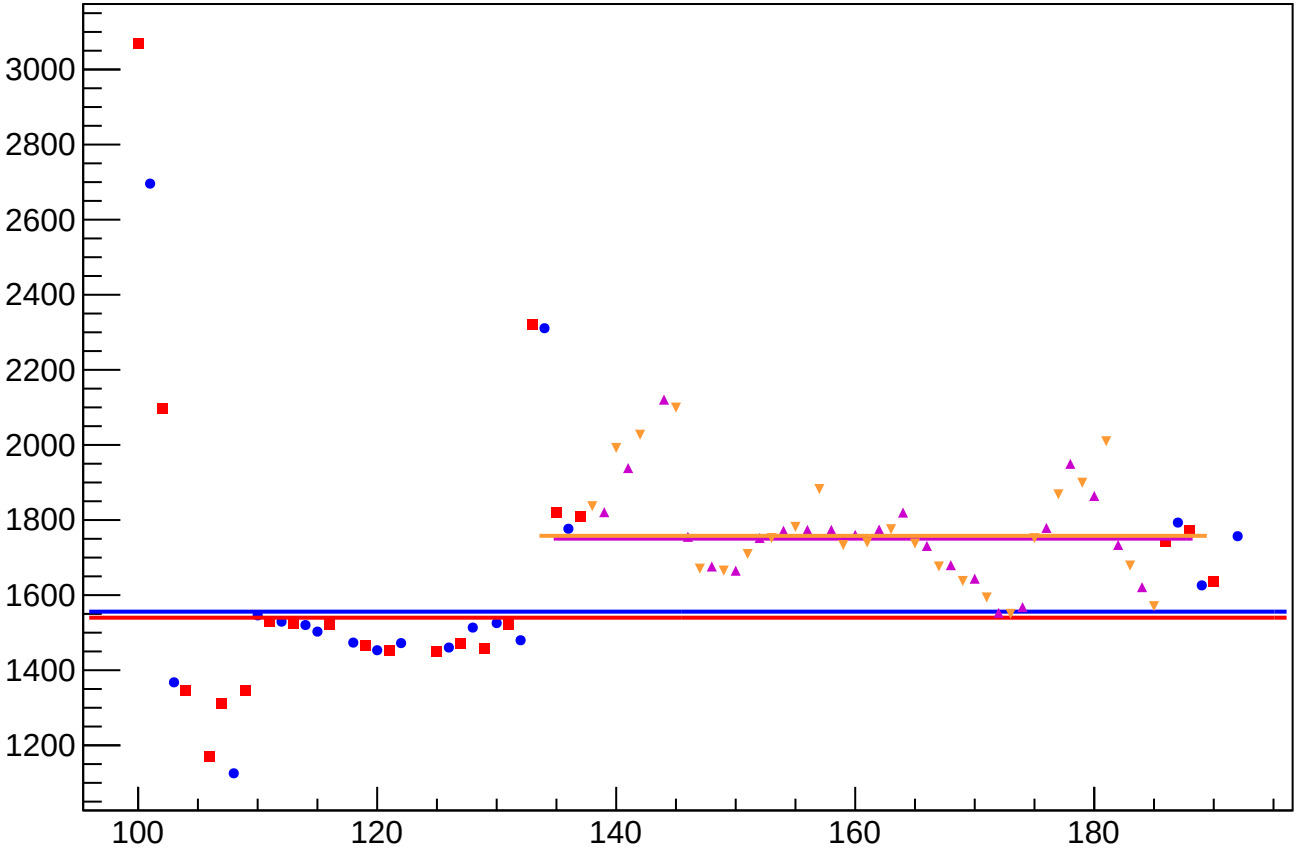
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

+ sign 514.224+/-323.982 χ^2/NDF: 61.9/42

All: 584.566+/-229.047 χ^2/NDF: 99.0/86

- sign 654.855+/-323.860 χ^2/NDF: 37.1/43

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1555.999+/-0.374 χ^2/NDF: 527858.0/18

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

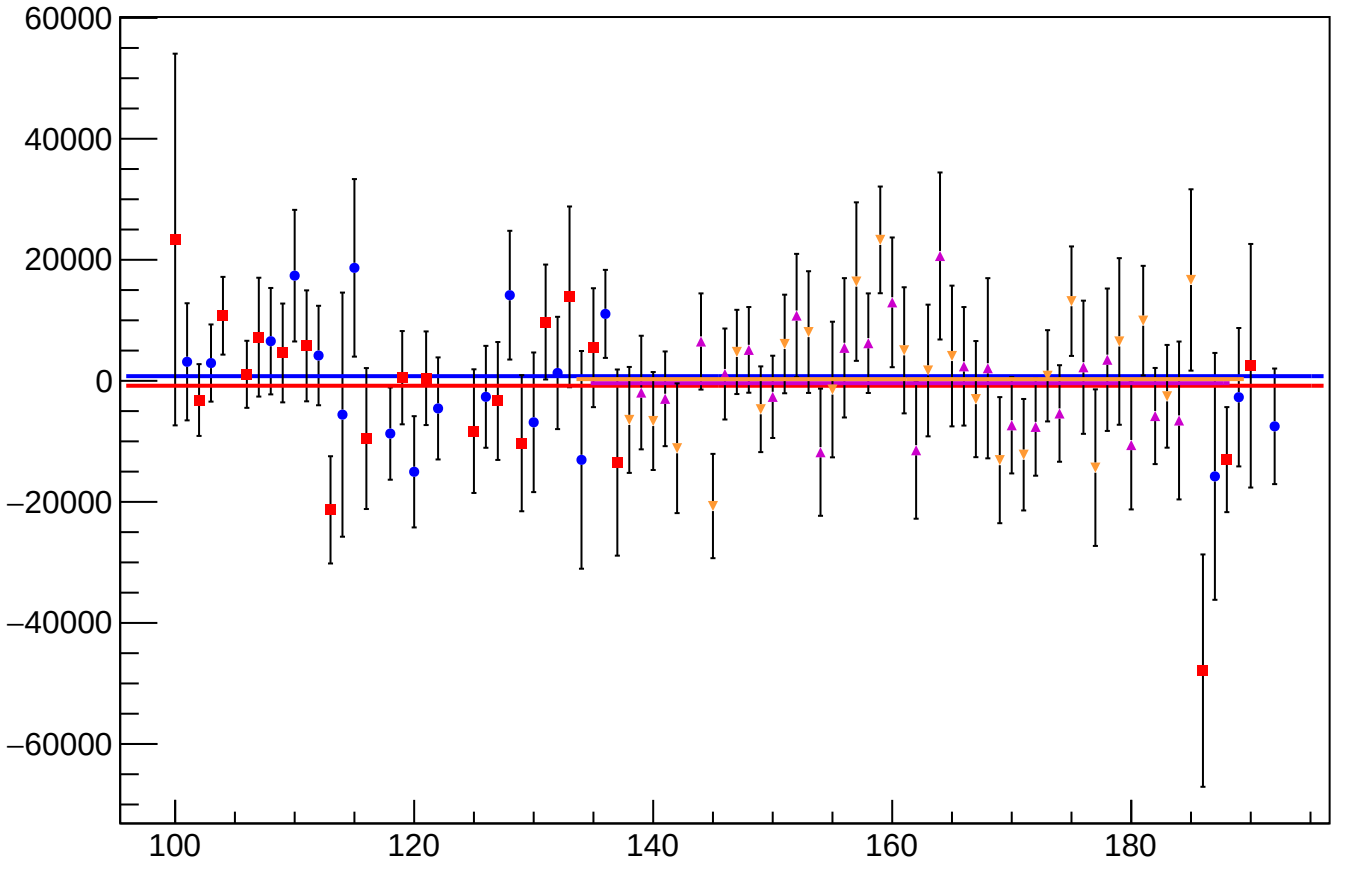
Right Out: 1539.913+/-0.373 χ^2/NDF: 393097.6/20

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1682.367+/-0.229 χ^2/NDF: 923185.2/42

All: 1676.804+/-0.162 χ^2/NDF: 1687820.6/86

- sign 1671.246+/-0.229 χ^2/NDF: 763456.8/43



Right In: 773.479+/-2198.975 χ^2/NDF: 15.9/18

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

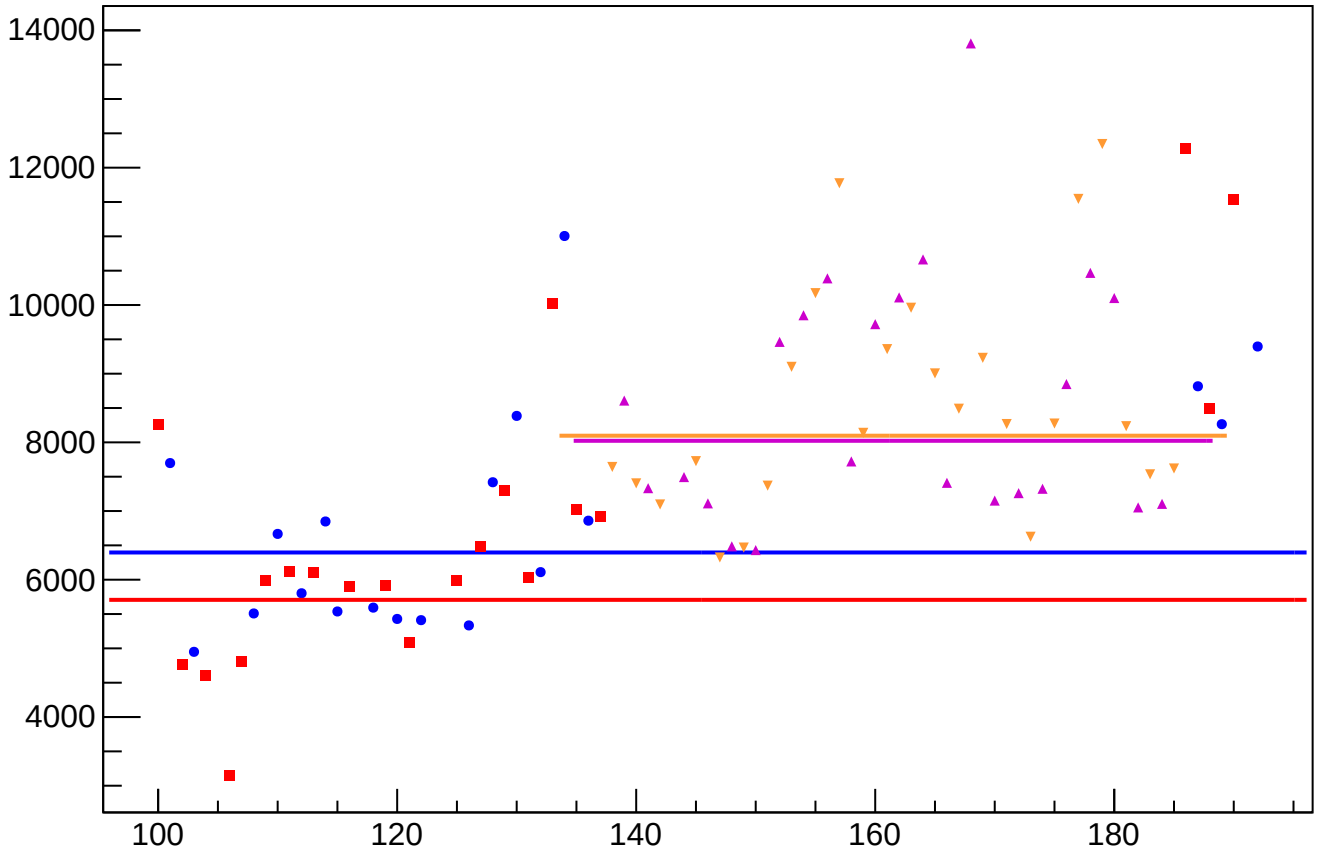
Right Out: -810.310+/-1984.529 χ^2/NDF: 24.4/20

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 496.282+/-1446.343 χ^2/NDF: 44.6/42

All: -72.750+/-997.322 χ^2/NDF: 82.9/86

- sign -588.573+/-1377.060 χ^2/NDF: 38.0/43



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

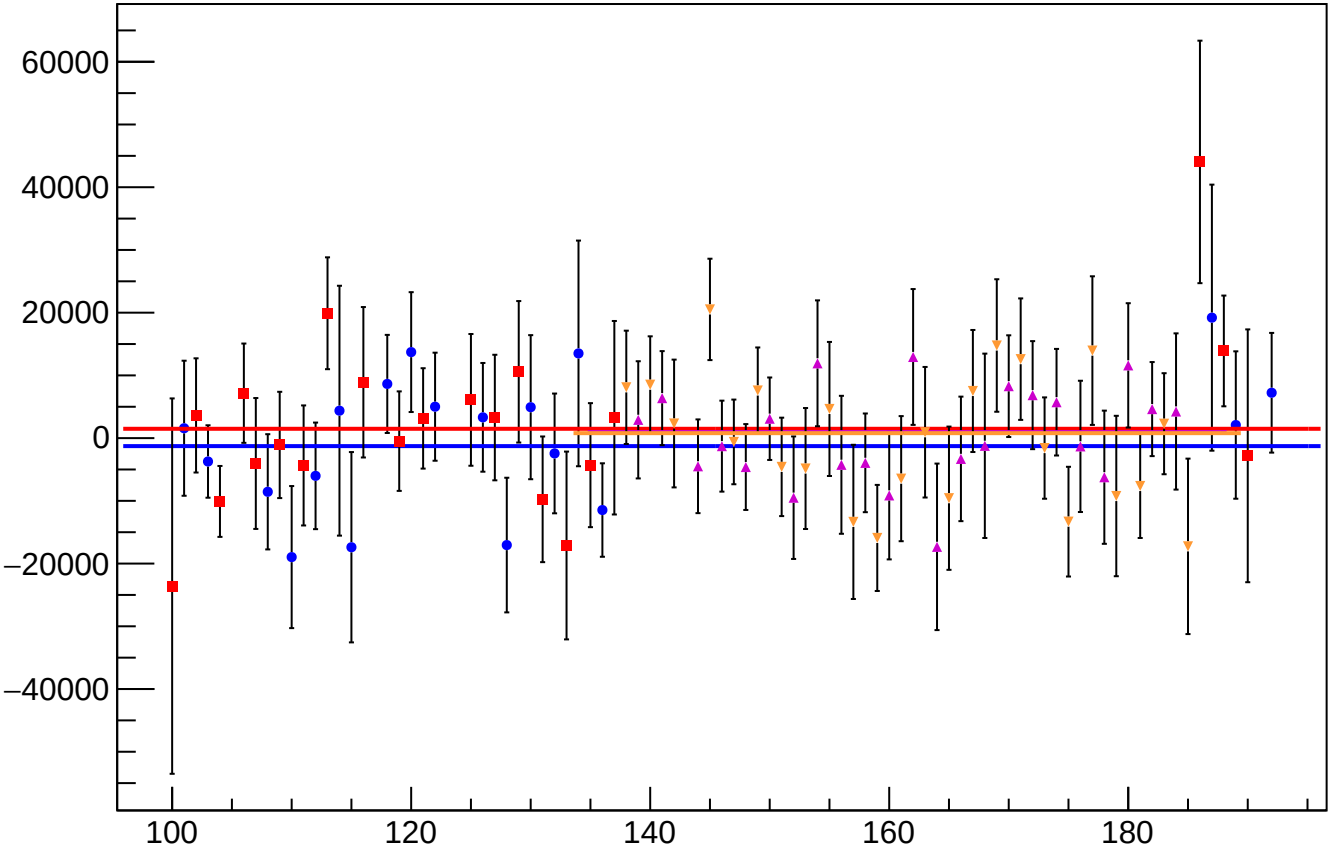
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7361.157+/-1.023 χ^2/NDF: 2547220.4/42

All: 7123.206+/-0.705 χ^2/NDF: 6760186.3/86

- sign 6907.506+/-0.974 χ^2/NDF: 4109761.7/43

asym_us_avg_at2lr_avg_dd_mean vs Slug



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

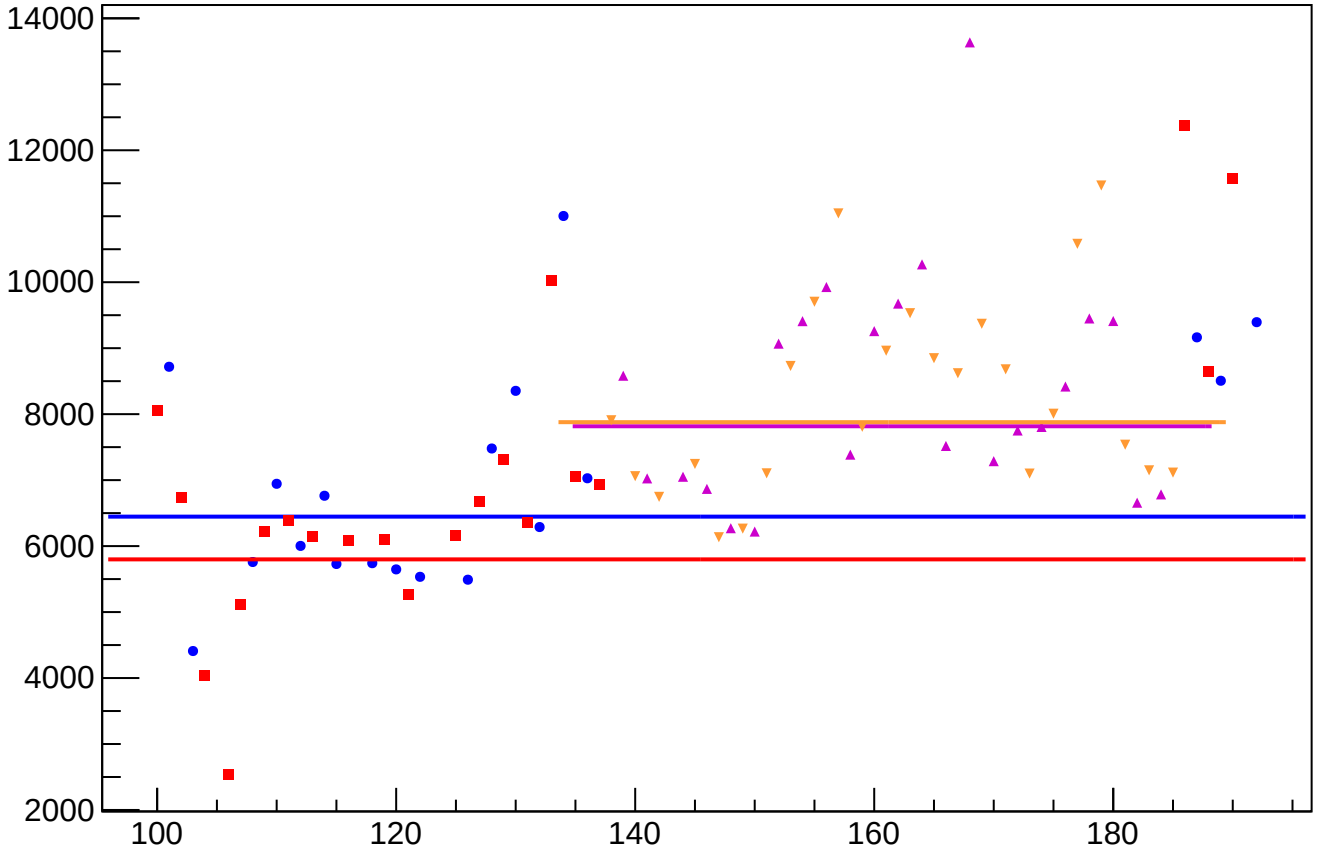
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign -60.789+/-1429.512 χ^2/NDF: 44.2/42

All: 576.459+/-1001.156 χ^2/NDF: 79.3/86

- sign 1189.913+/-1402.569 χ^2/NDF: 34.7/43

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6446.626+/-1.574 χ^2/NDF: 940507.7/18

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

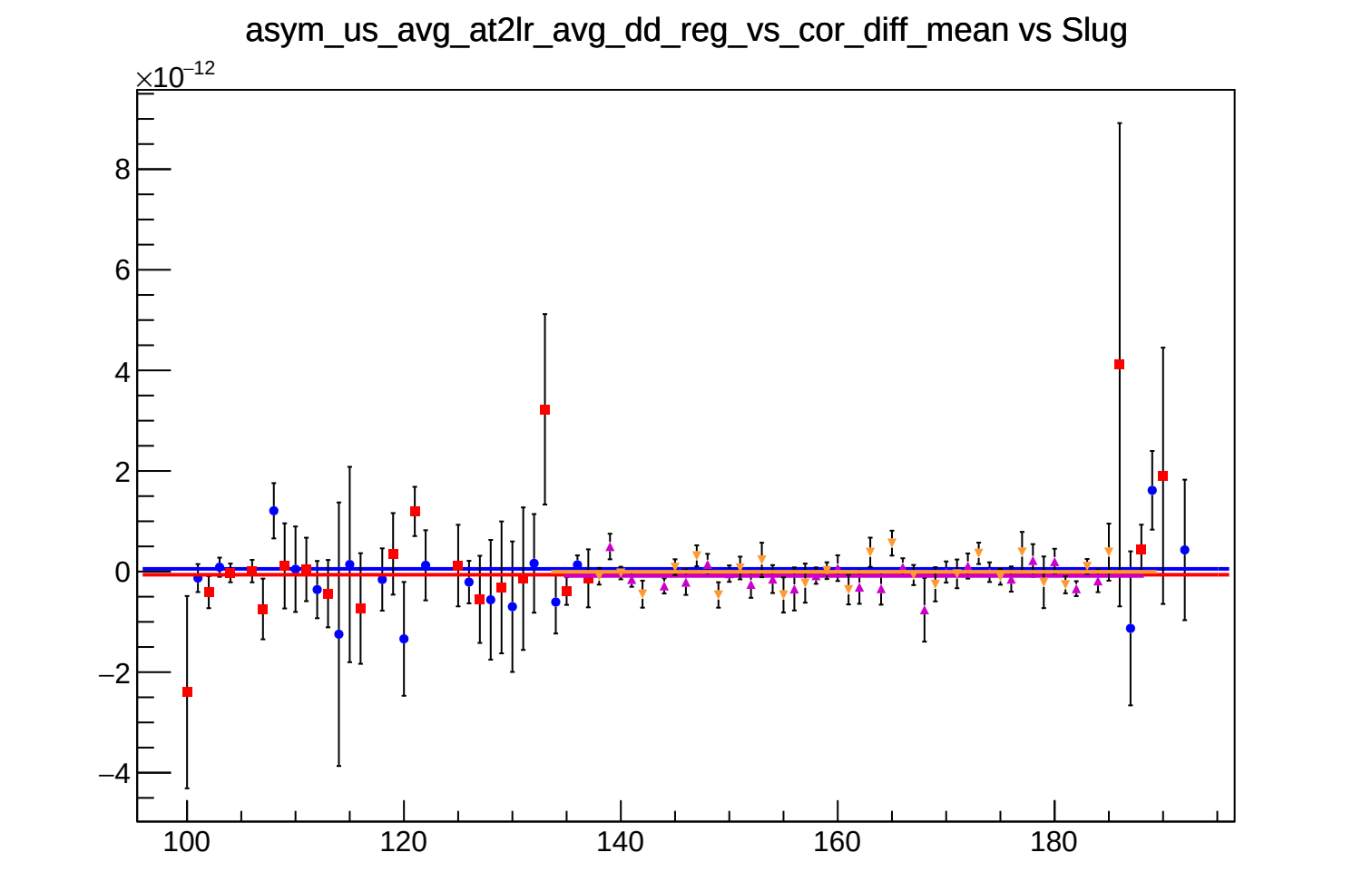
Right Out: 5798.681+/-1.460 χ^2/NDF: 1794775.2/20

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7287.757+/-1.011 χ^2/NDF: 2416867.5/42

All: 7093.858+/-0.703 χ^2/NDF: 6469545.7/86

- sign 6912.643+/-0.977 χ^2/NDF: 3981492.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

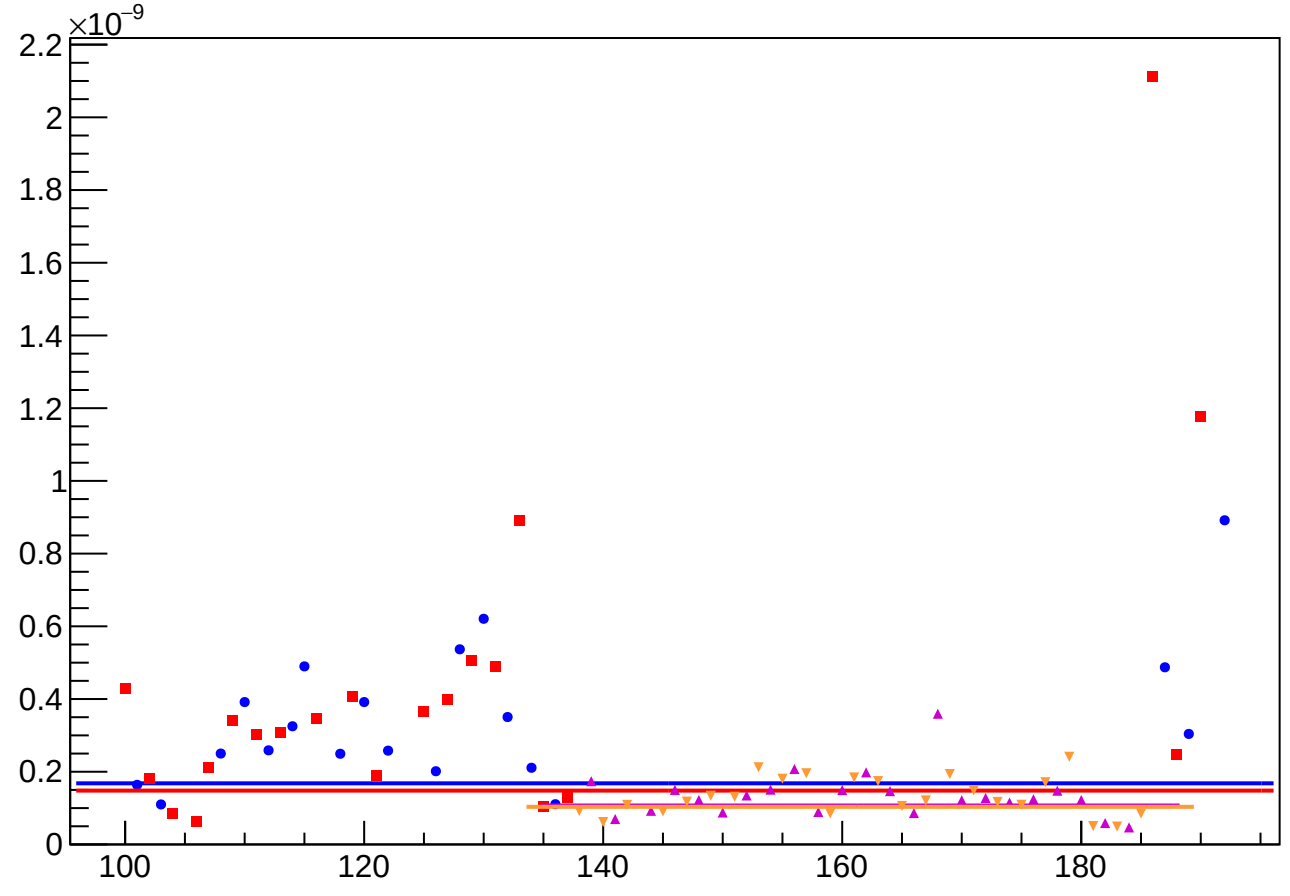
Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/20

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.1/42

All: -0.000+/-0.000 χ^2/NDF: 83.8/86

- sign -0.000+/-0.000 χ^2/NDF: 38.3/43



Right In: 0.000+/-0.000 χ^2/NDF: 2025123.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

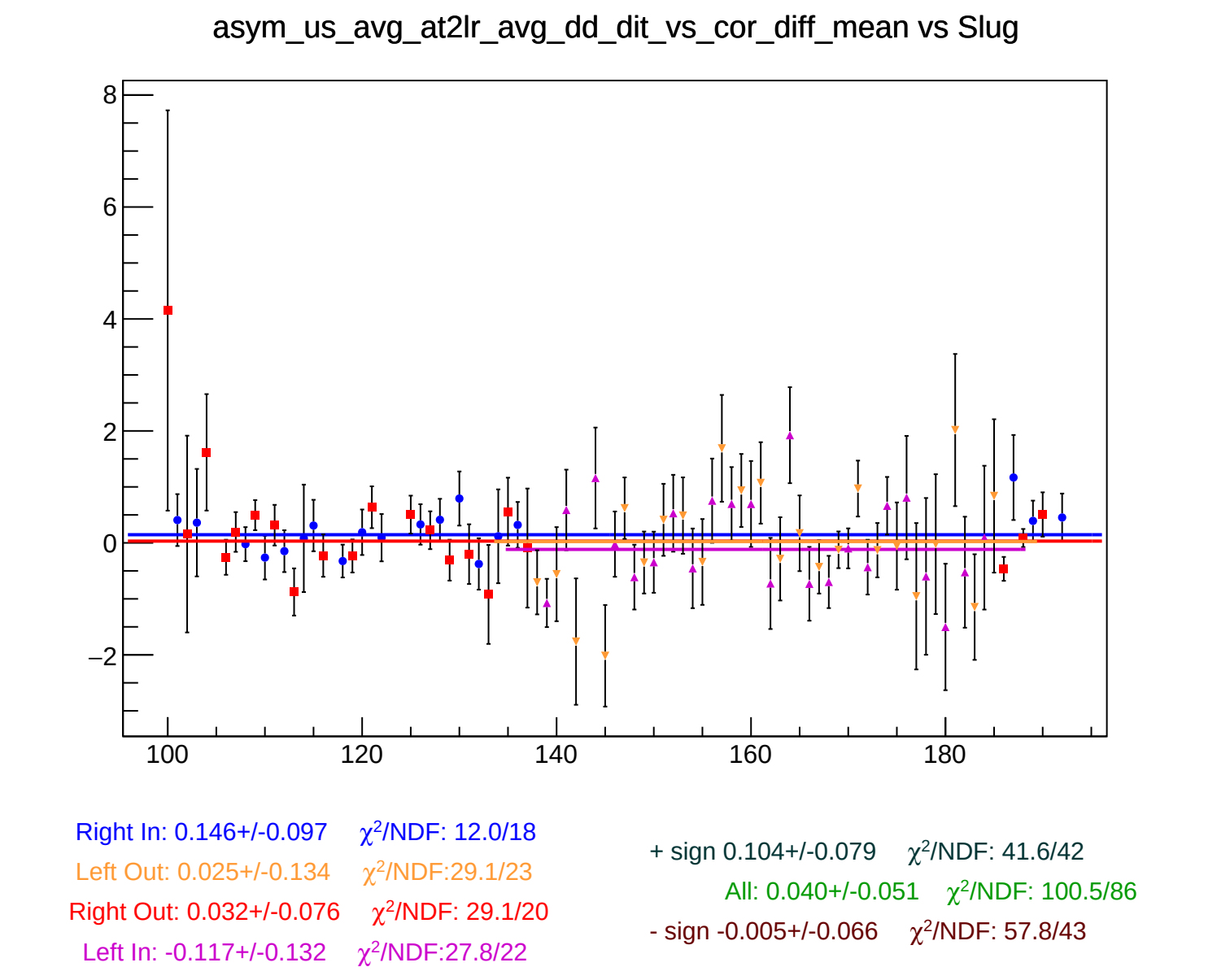
Right Out: 0.000+/-0.000 χ^2/NDF: 2914339.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4603925.4/42

All: 0.000+/-0.000 χ^2/NDF: 9391538.0/86

- sign 0.000+/-0.000 χ^2/NDF: 4787497.7/43


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
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−2
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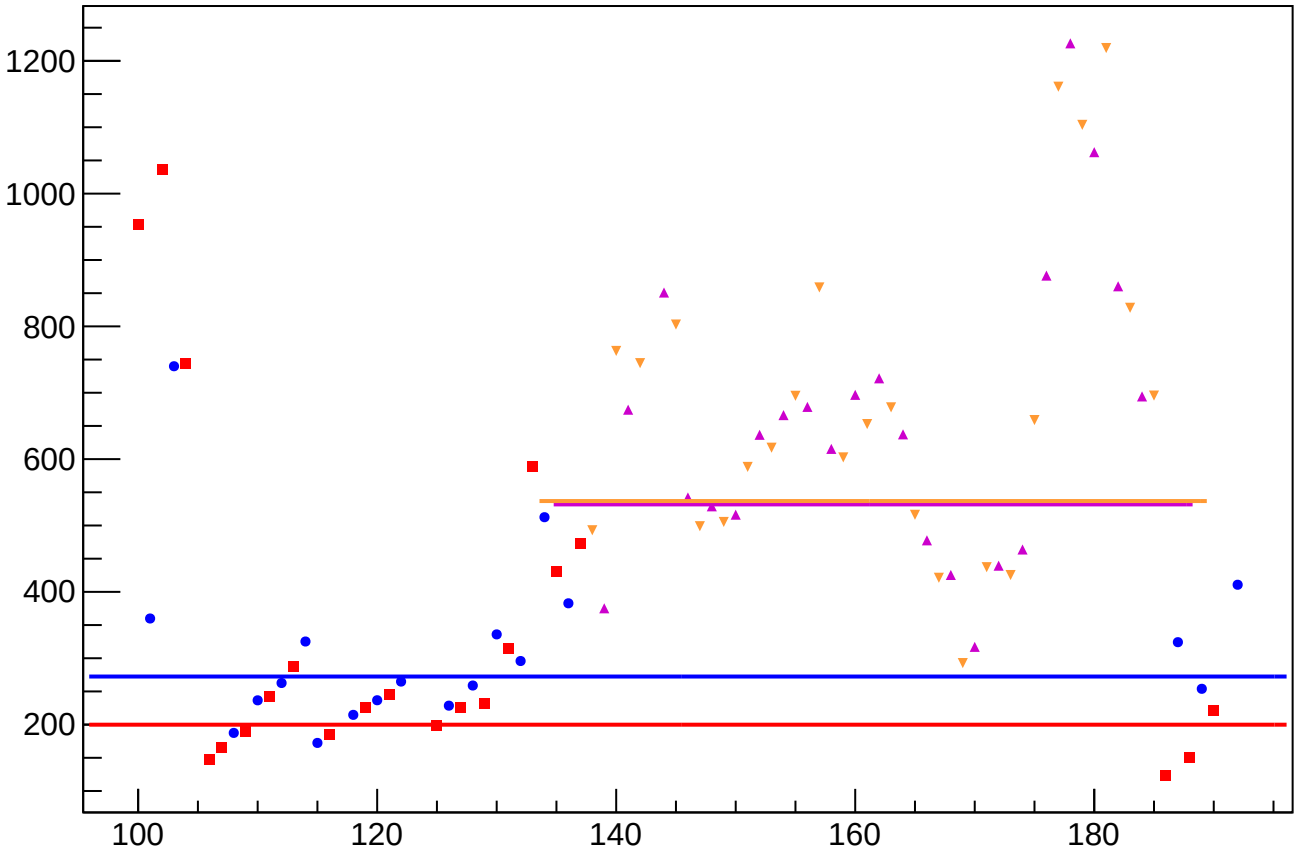
120
140
160
180
Right In: 0.146+/-0.097 χ²/NDF: 12.0/18
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.032+/-0.076 χ²/NDF: 29.1/20
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.104+/-0.079 χ²/NDF: 41.6/42
All: 0.040+/-0.051 χ²/NDF: 100.5/86
- sign -0.005+/-0.066 χ²/NDF: 57.8/43



Right In: 272.455+/-0.069 χ^2/NDF: 1518823.2/18

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

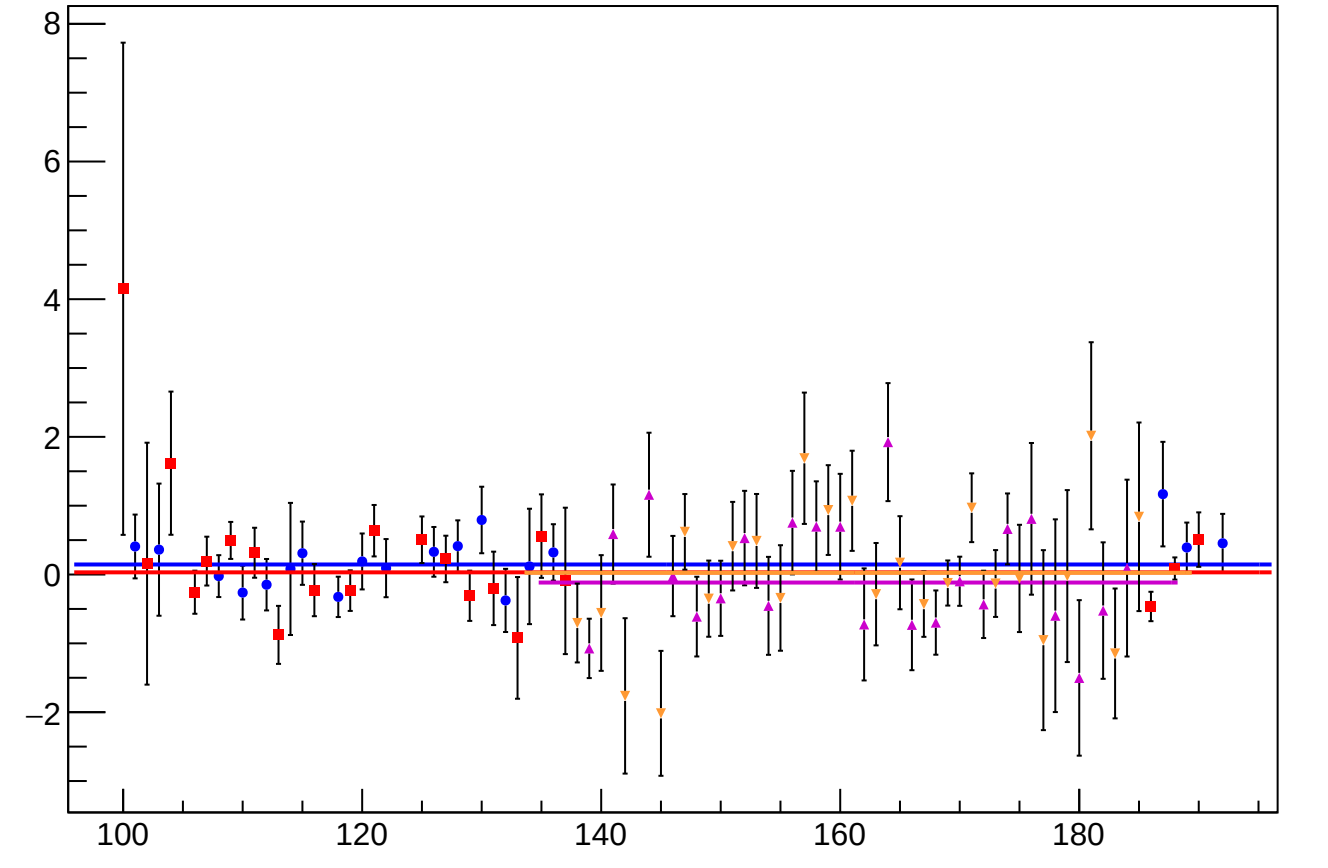
Right Out: 199.888+/-0.054 χ^2/NDF: 2710866.8/20

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 363.871+/-0.056 χ^2/NDF: 10576981.7/42

All: 315.999+/-0.036 χ^2/NDF: 27361200.3/86

- sign 282.364+/-0.047 χ^2/NDF: 15526810.0/43



Right In: 0.146+/-0.097 χ^2/NDF: 12.0/18

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

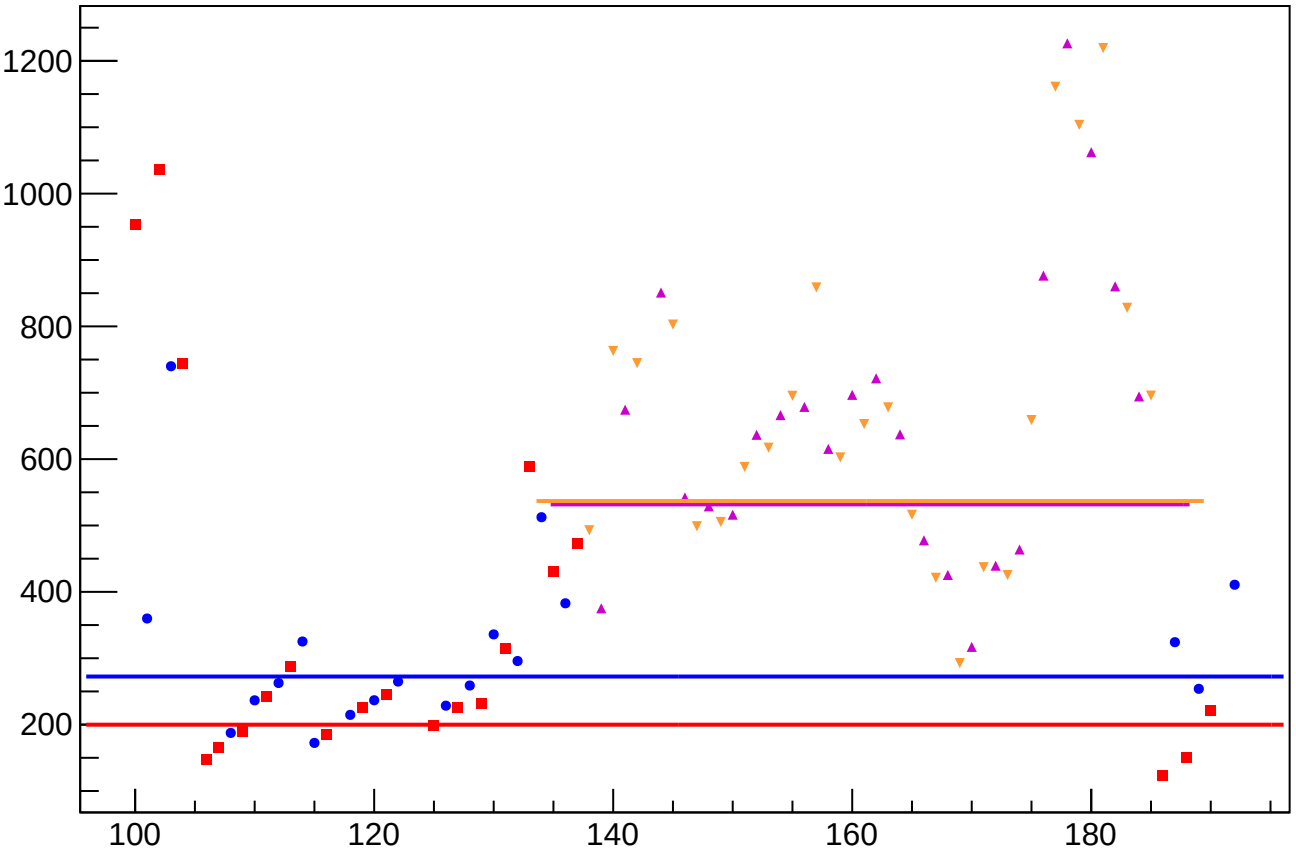
Right Out: 0.032+/-0.076 χ^2/NDF: 29.1/20

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.104+/-0.079 χ^2/NDF: 41.6/42

All: 0.040+/-0.051 χ^2/NDF: 100.5/86

- sign -0.005+/-0.066 χ^2/NDF: 57.8/43



Right In: 272.455+/-0.069 χ^2/NDF: 1518823.2/18

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

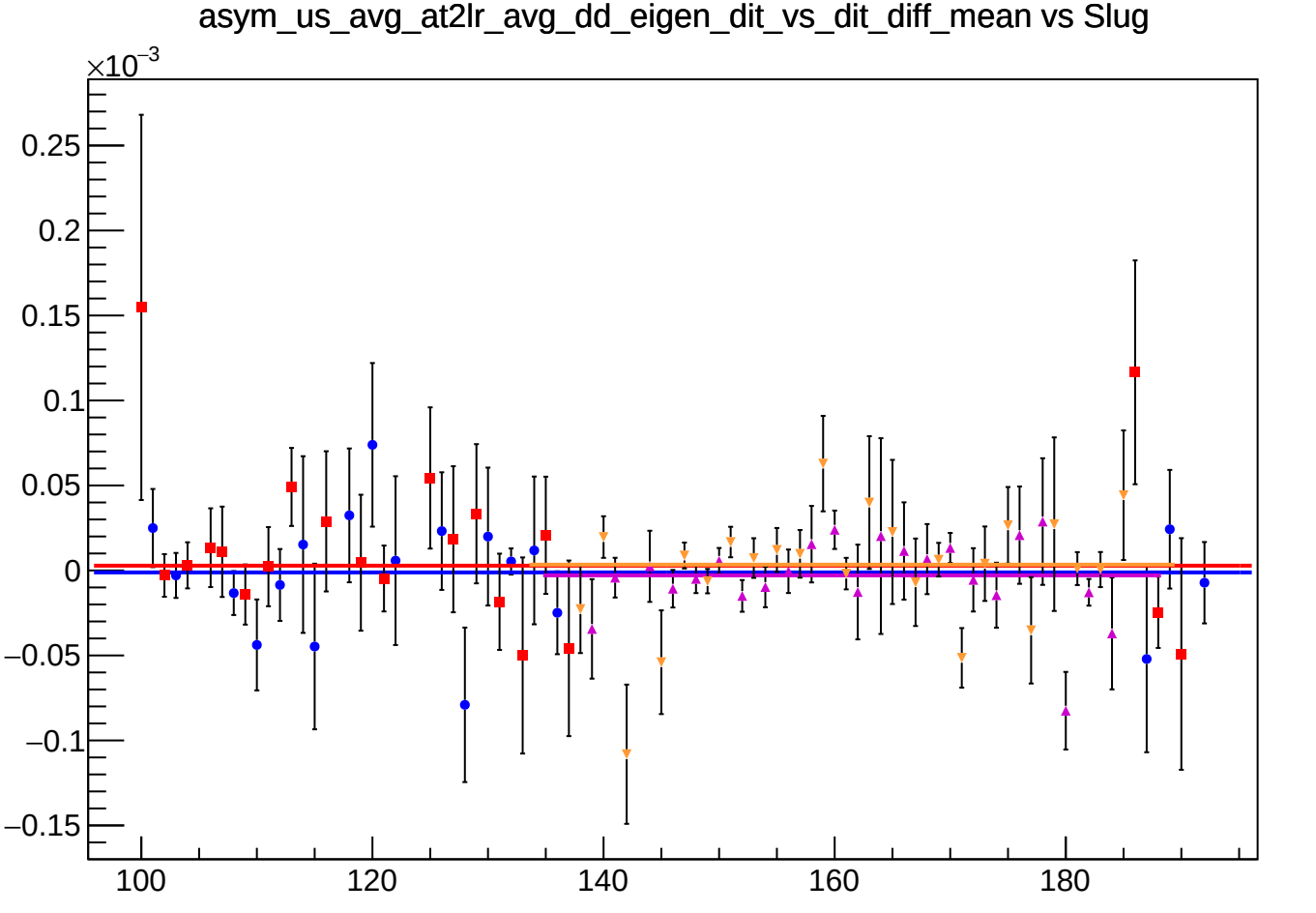
Right Out: 199.888+/-0.054 χ^2/NDF: 2710866.8/20

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 363.871+/-0.056 χ^2/NDF: 10576981.7/42

All: 315.999+/-0.036 χ^2/NDF: 27361200.3/86

- sign 282.364+/-0.047 χ^2/NDF: 15526810.0/43


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
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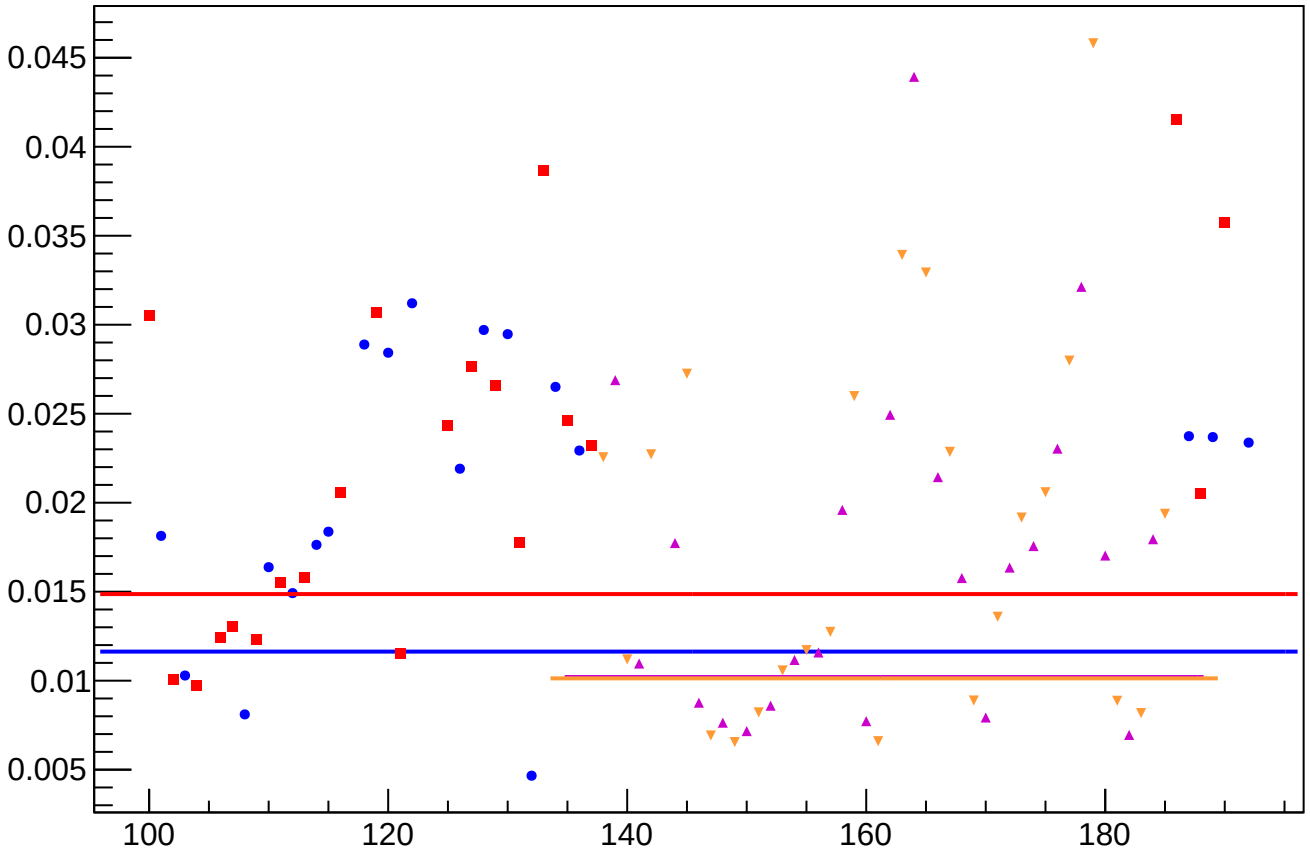
Right In: -0.000+/-0.000 χ²/NDF: 15.8/18
Left Out: 0.000+/-0.000 χ²/NDF:39.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 17.9/20
Left In: -0.000+/-0.000 χ²/NDF:32.2/22
+ sign 0.000+/-0.000 χ²/NDF: 55.6/42
All: 0.000+/-0.000 χ²/NDF: 107.9/86
- sign -0.000+/-0.000 χ²/NDF: 51.0/43



Right In: 0.012+/-0.000 χ^2/NDF: 5455534.8/18

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

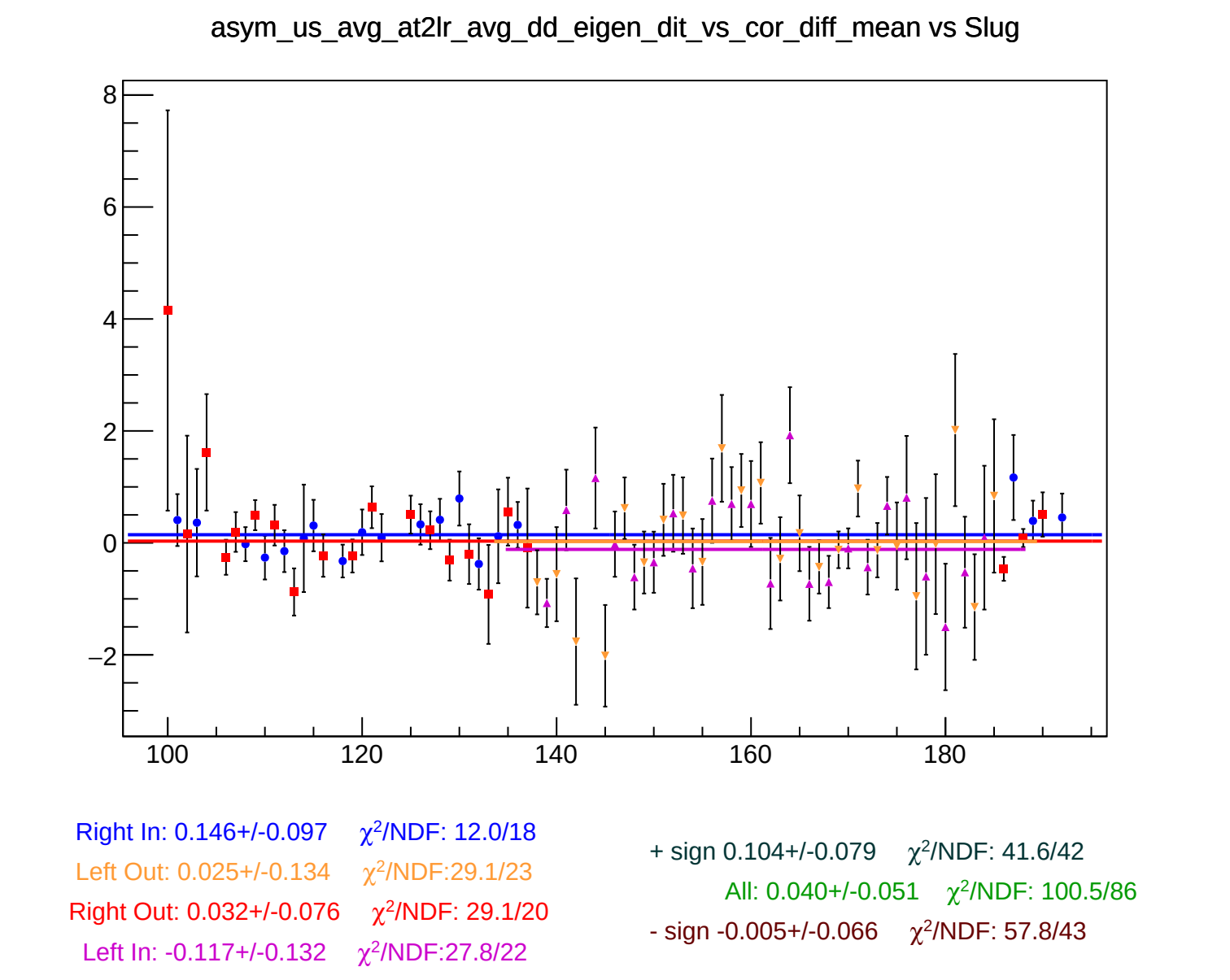
Right Out: 0.015+/-0.000 χ^2/NDF: 2783086.6/20

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 13415887.0/42

All: 0.011+/-0.000 χ^2/NDF: 23494510.1/86

- sign 0.011+/-0.000 χ^2/NDF: 10006082.4/43


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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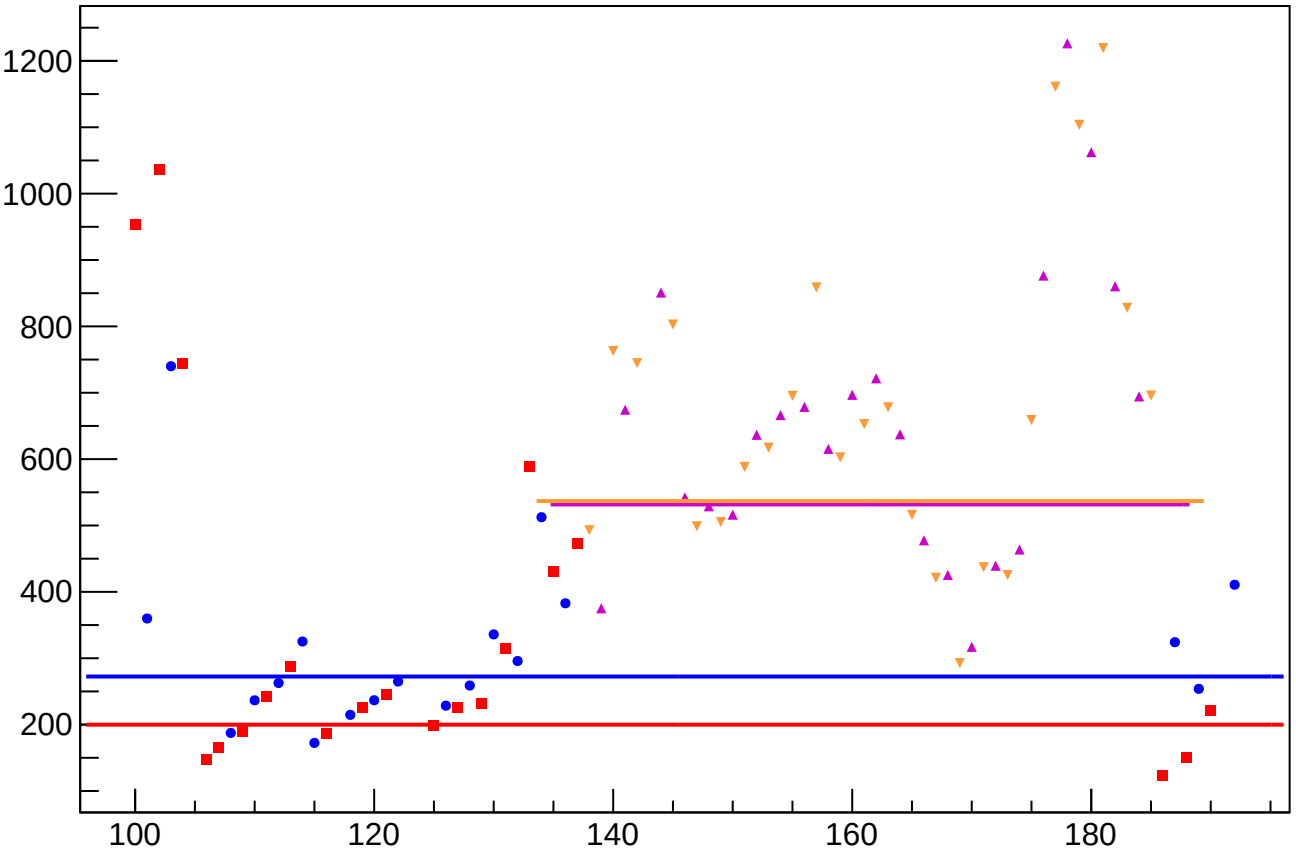
180
Right In: 0.146+/-0.097 χ²/NDF: 12.0/18
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.032+/-0.076 χ²/NDF: 29.1/20
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.104+/-0.079 χ²/NDF: 41.6/42
All: 0.040+/-0.051 χ²/NDF: 100.5/86
- sign -0.005+/-0.066 χ²/NDF: 57.8/43



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

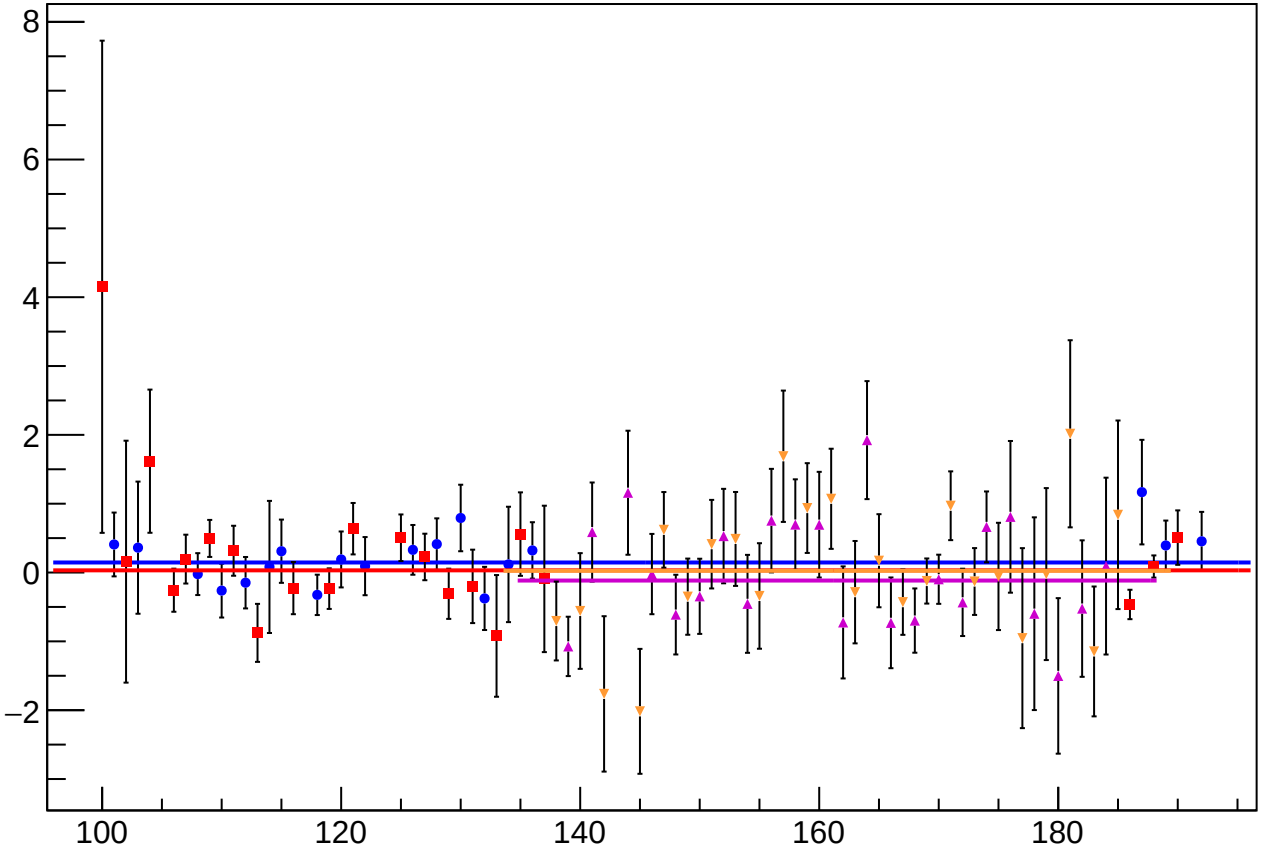
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 363.869+/-0.056 χ^2/NDF: 10577225.2/42

All: 315.996+/-0.036 χ^2/NDF: 27361890.2/86

- sign 282.361+/-0.047 χ^2/NDF: 15527217.6/43

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.146+/-0.097 χ^2/NDF: 12.0/18

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

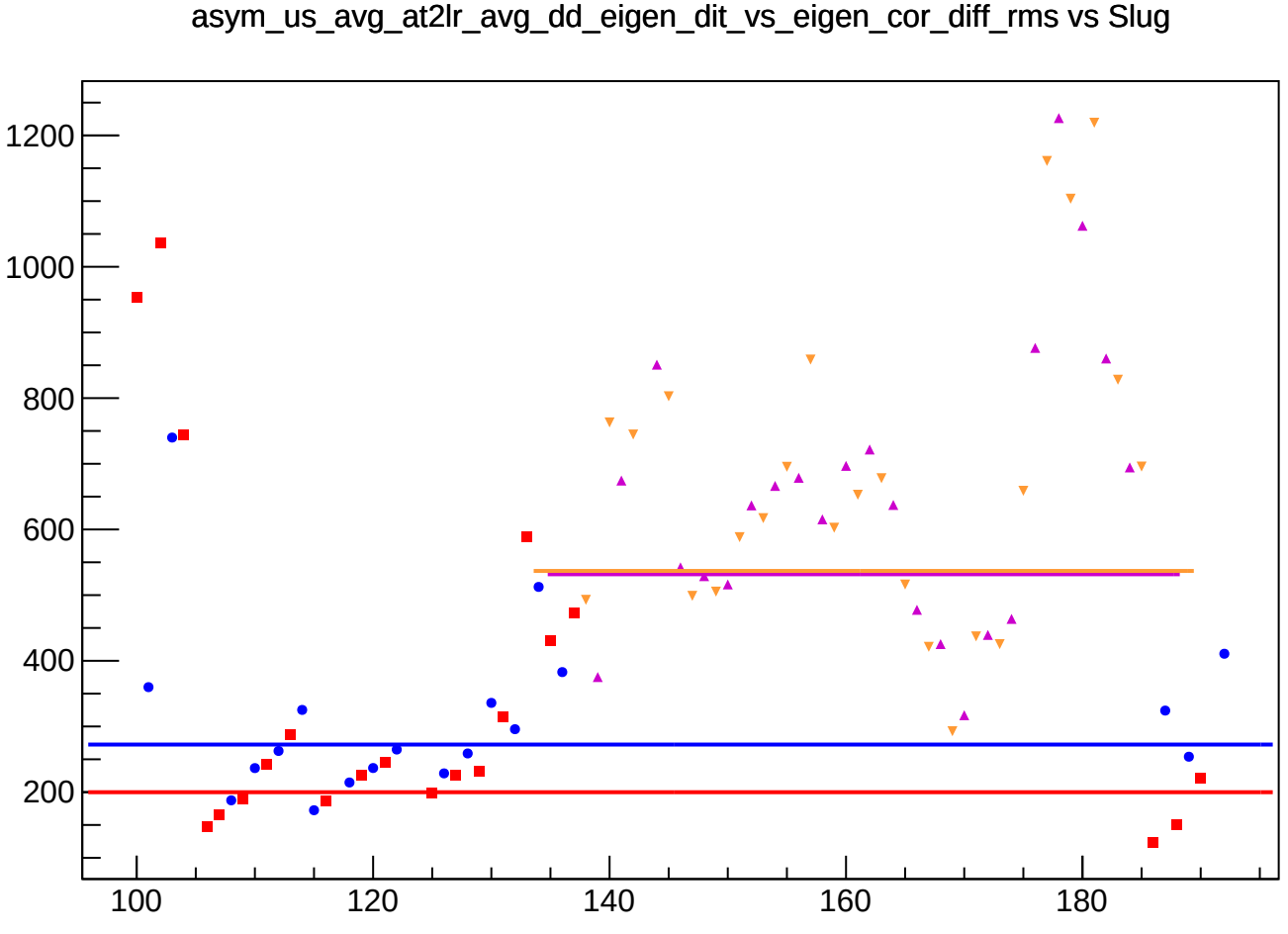
Right Out: 0.032+/-0.076 χ^2/NDF: 29.1/20

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.104+/-0.079 χ^2/NDF: 41.6/42

All: 0.040+/-0.051 χ^2/NDF: 100.5/86

- sign -0.005+/-0.066 χ^2/NDF: 57.8/43


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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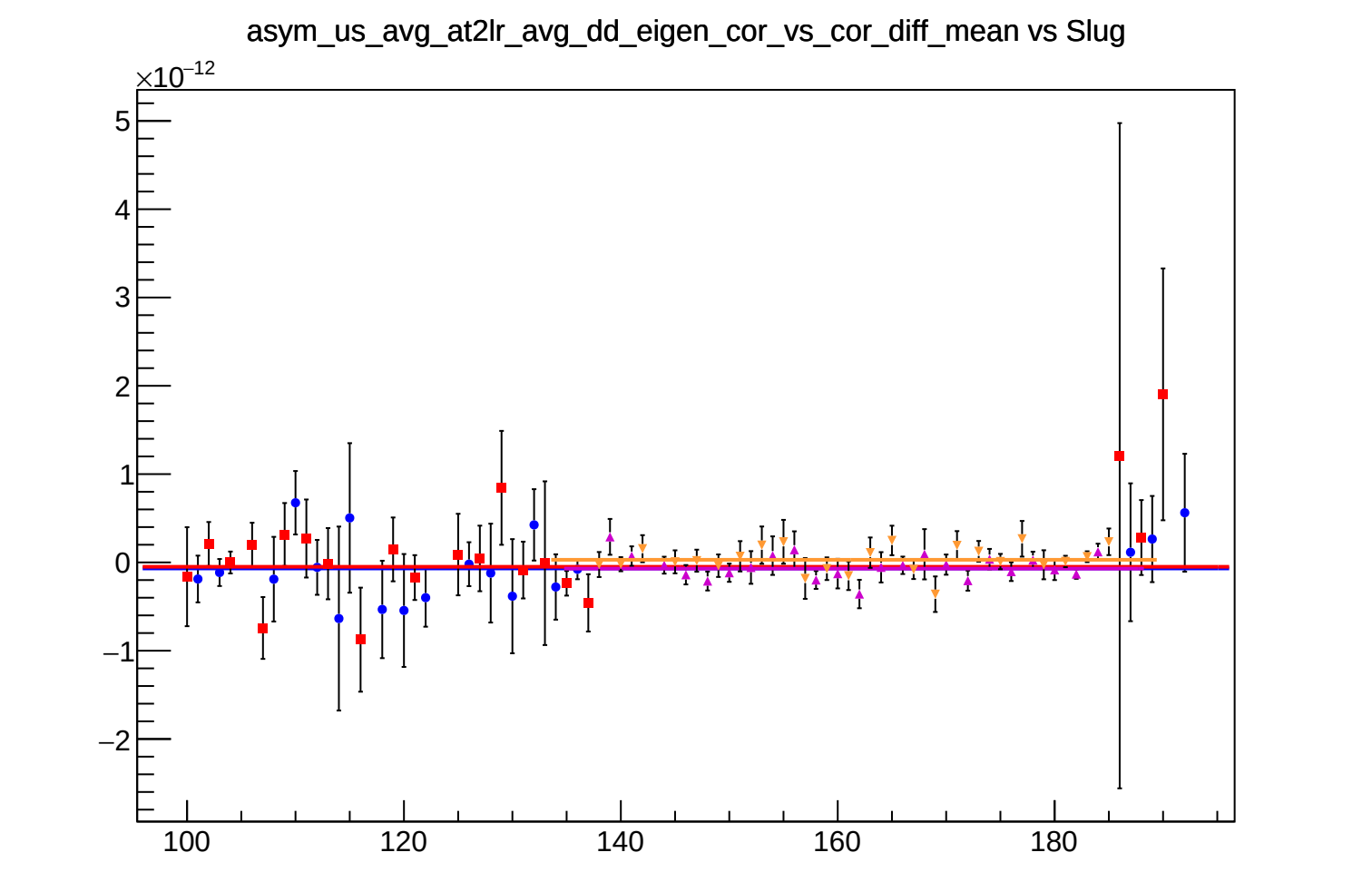
160
180
Right In: 272.454+/-0.069 χ²/NDF: 1518795.5/18
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 199.886+/-0.054 χ²/NDF: 2710926.7/20
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 363.869+/-0.056 χ²/NDF: 10577225.2/42
All: 315.996+/-0.036 χ²/NDF: 27361890.2/86
- sign 282.361+/-0.047 χ²/NDF: 15527217.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

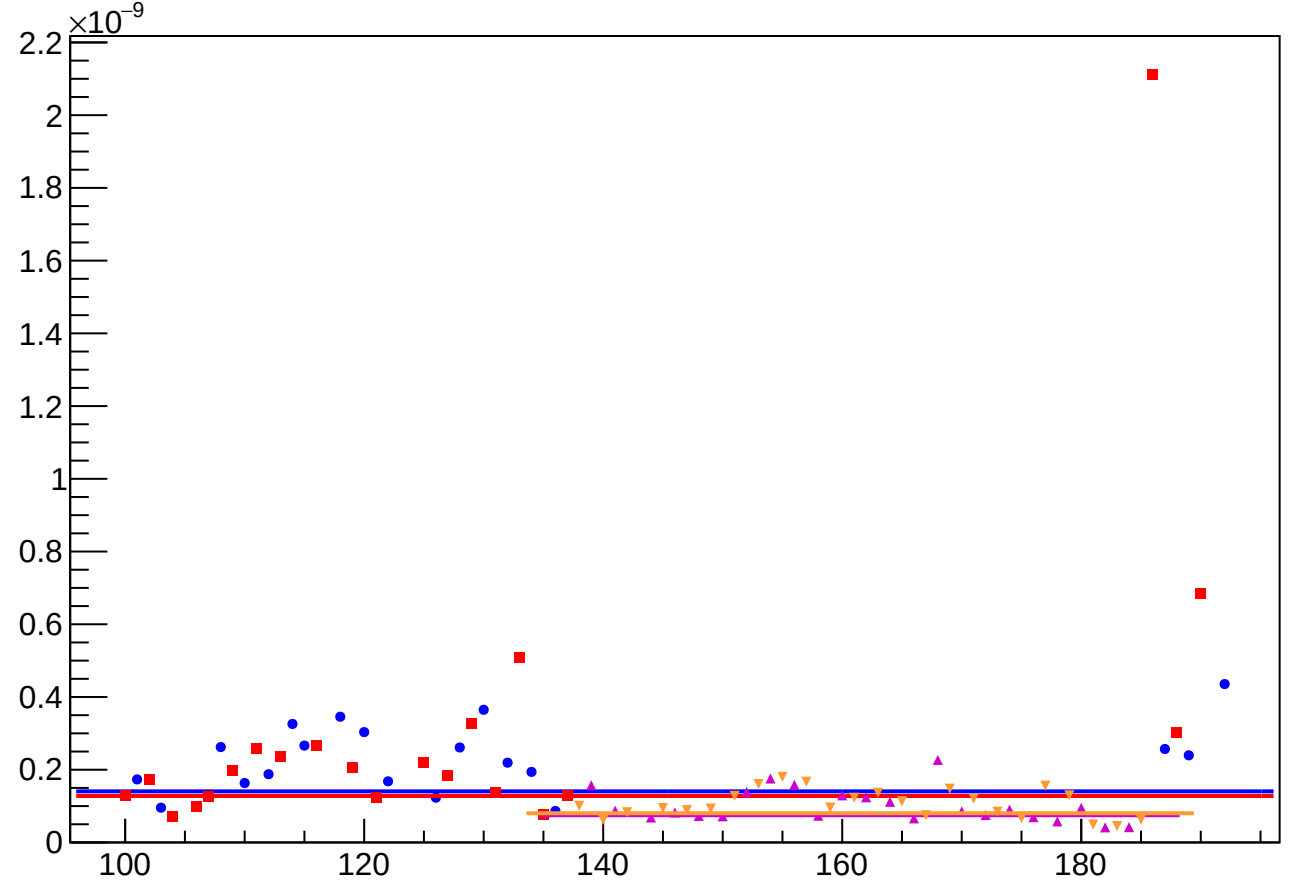
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/20

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.8/42

All: -0.000+/-0.000 χ^2/NDF: 80.0/86

- sign -0.000+/-0.000 χ^2/NDF: 41.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 2348447.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3214790.1/20

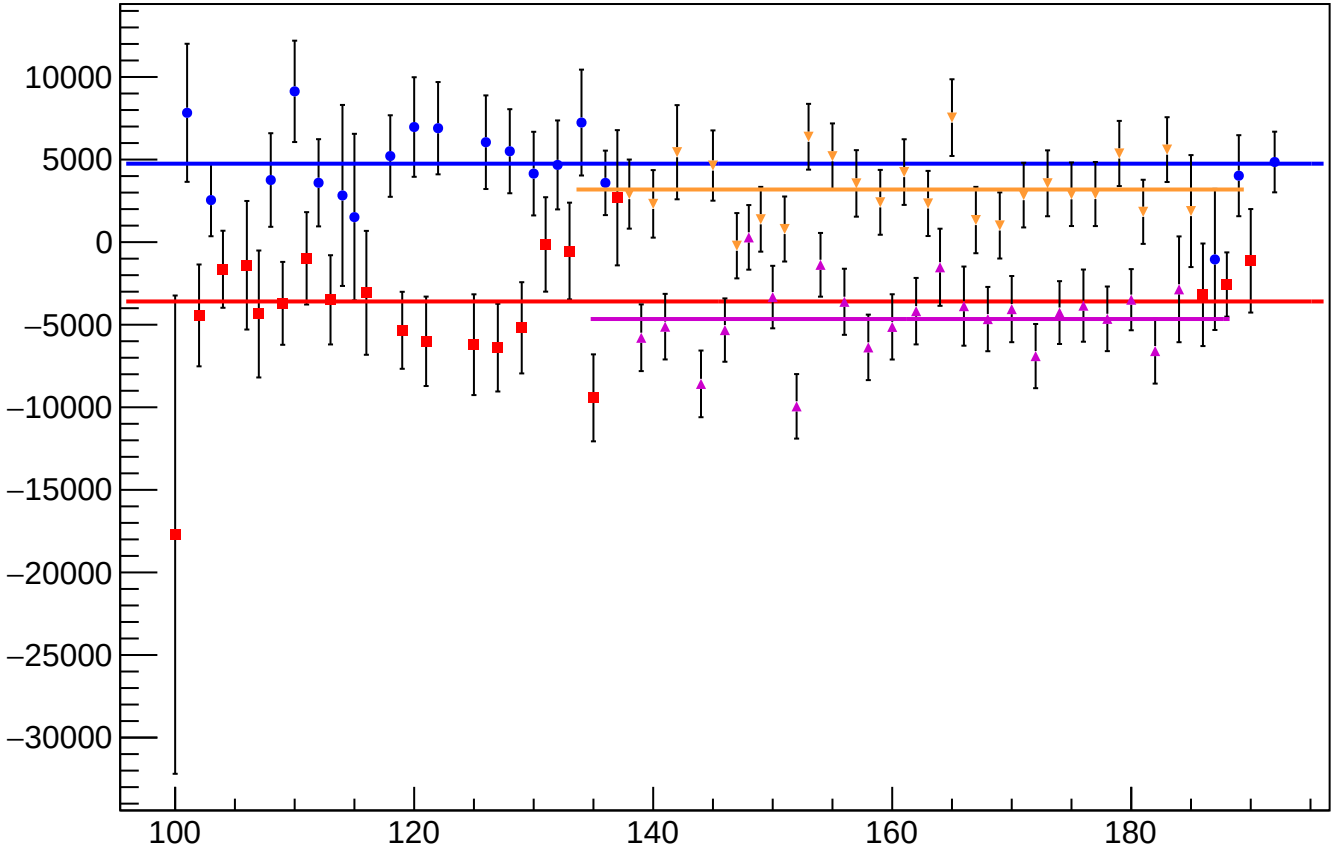
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7474717.7/42

All: 0.000+/-0.000 χ^2/NDF: 15647561.6/86

- sign 0.000+/-0.000 χ^2/NDF: 8095897.4/43

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



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

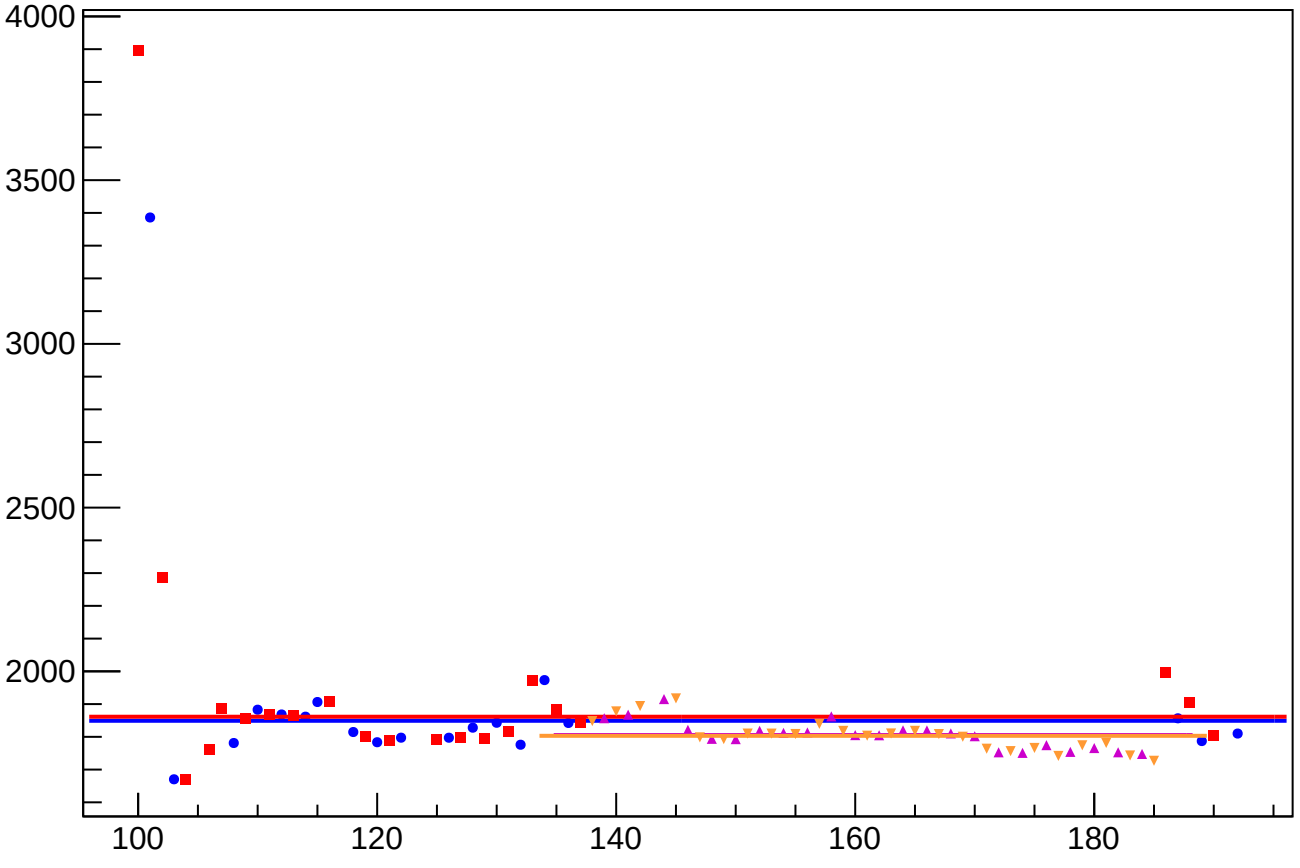
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3671.935+/-347.716 χ^2/NDF: 33.0/42

All: -299.254+/-246.708 χ^2/NDF: 342.6/86

- sign -4324.857+/-350.090 χ^2/NDF: 46.9/43

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1849.037+/-0.442 χ^2/NDF: 294965.6/18

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

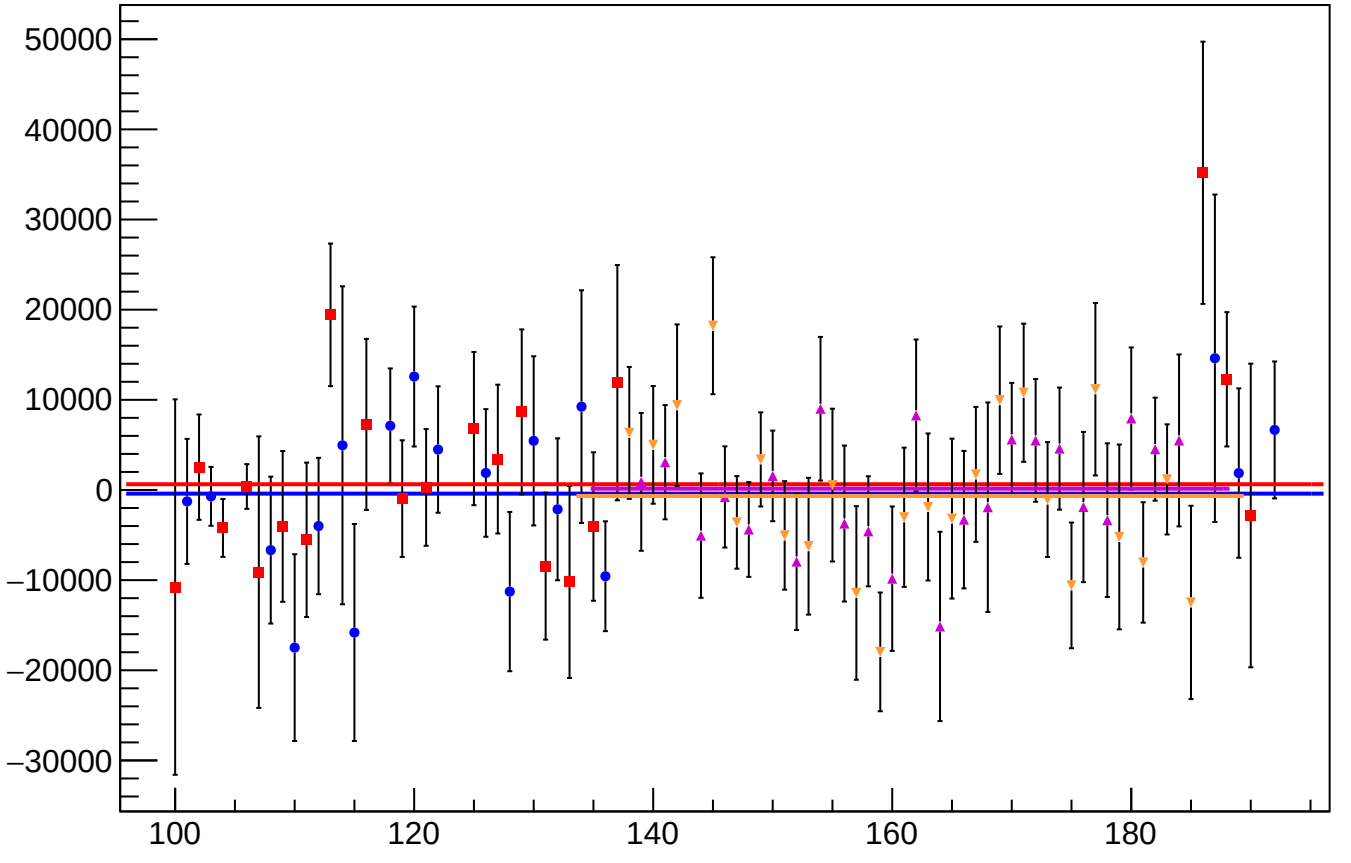
Right Out: 1861.394+/-0.443 χ^2/NDF: 108020.0/20

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1817.353+/-0.246 χ^2/NDF: 323069.2/42

All: 1820.144+/-0.174 χ^2/NDF: 461596.9/86

- sign 1822.969+/-0.247 χ^2/NDF: 138268.4/43



Right In: -406.666+/-1683.110 χ^2/NDF: 16.5/18

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: 635.776+/-1400.923 χ^2/NDF: 23.0/20

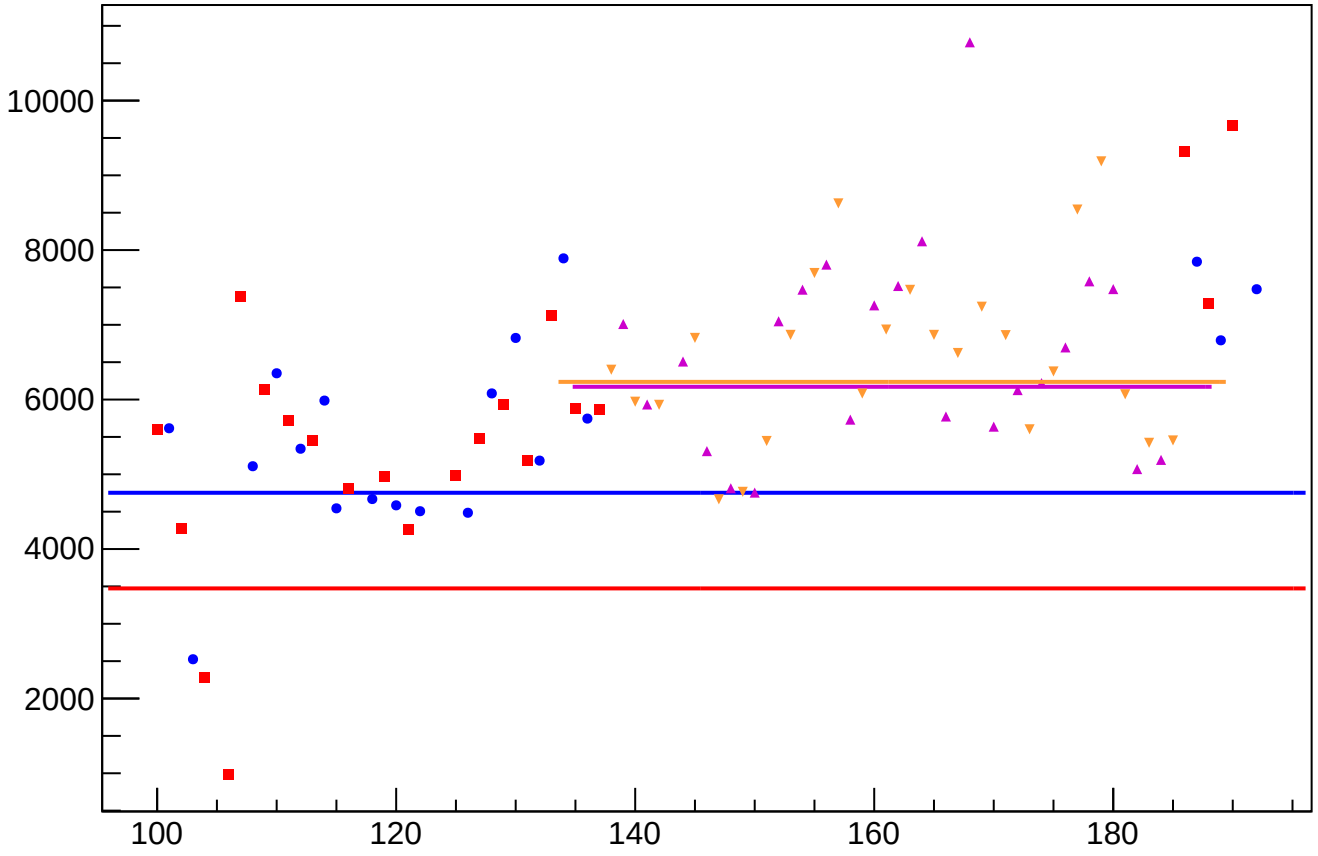
Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -553.722+/-1110.919 χ^2/NDF: 46.3/42

All: -32.816+/-749.170 χ^2/NDF: 83.3/86

- sign 401.674+/-1014.593 χ^2/NDF: 36.7/43

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug



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

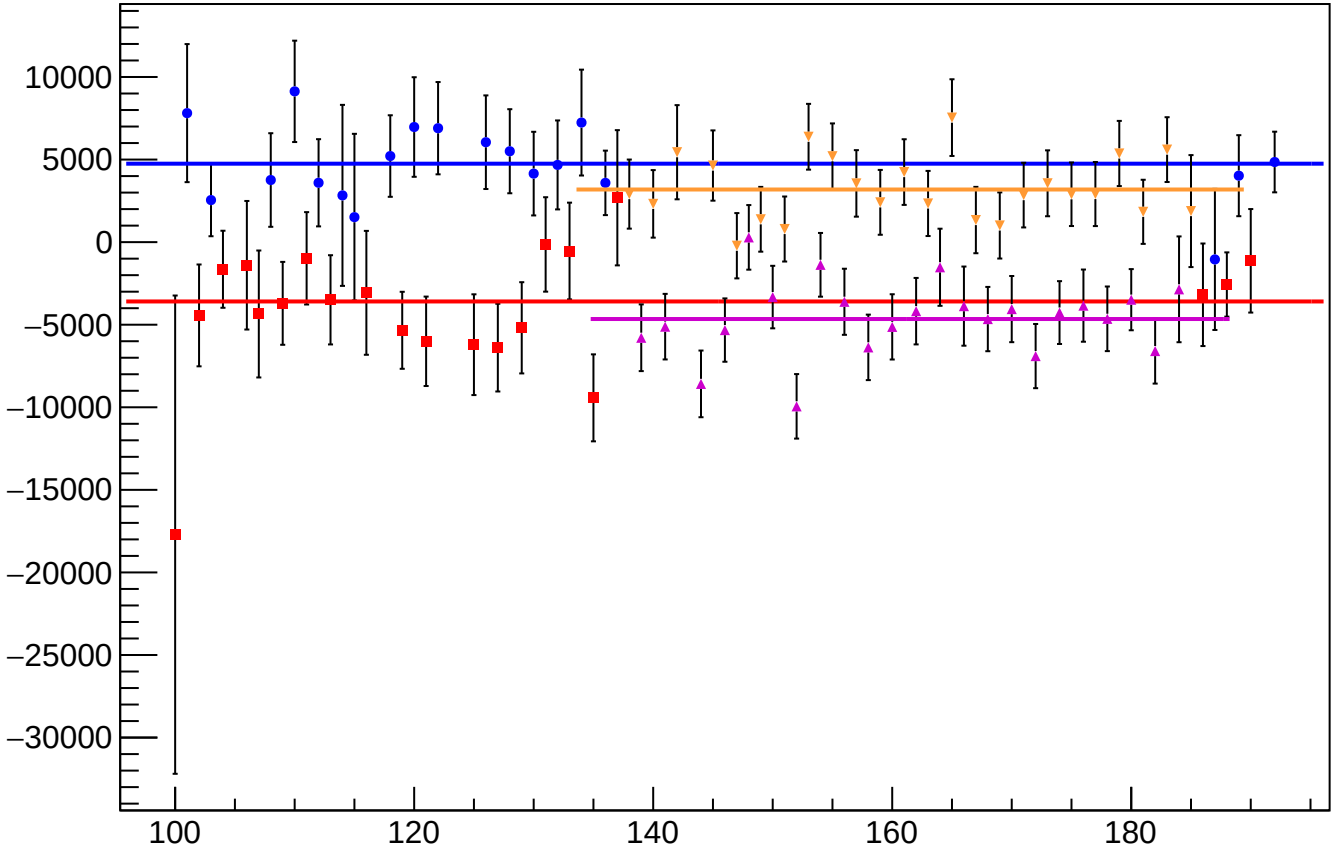
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5590.219+/-0.786 χ^2/NDF: 3714943.6/42

All: 5135.314+/-0.530 χ^2/NDF: 14225385.6/8

- sign 4755.876+/-0.717 χ^2/NDF: 9895363.1/43

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



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

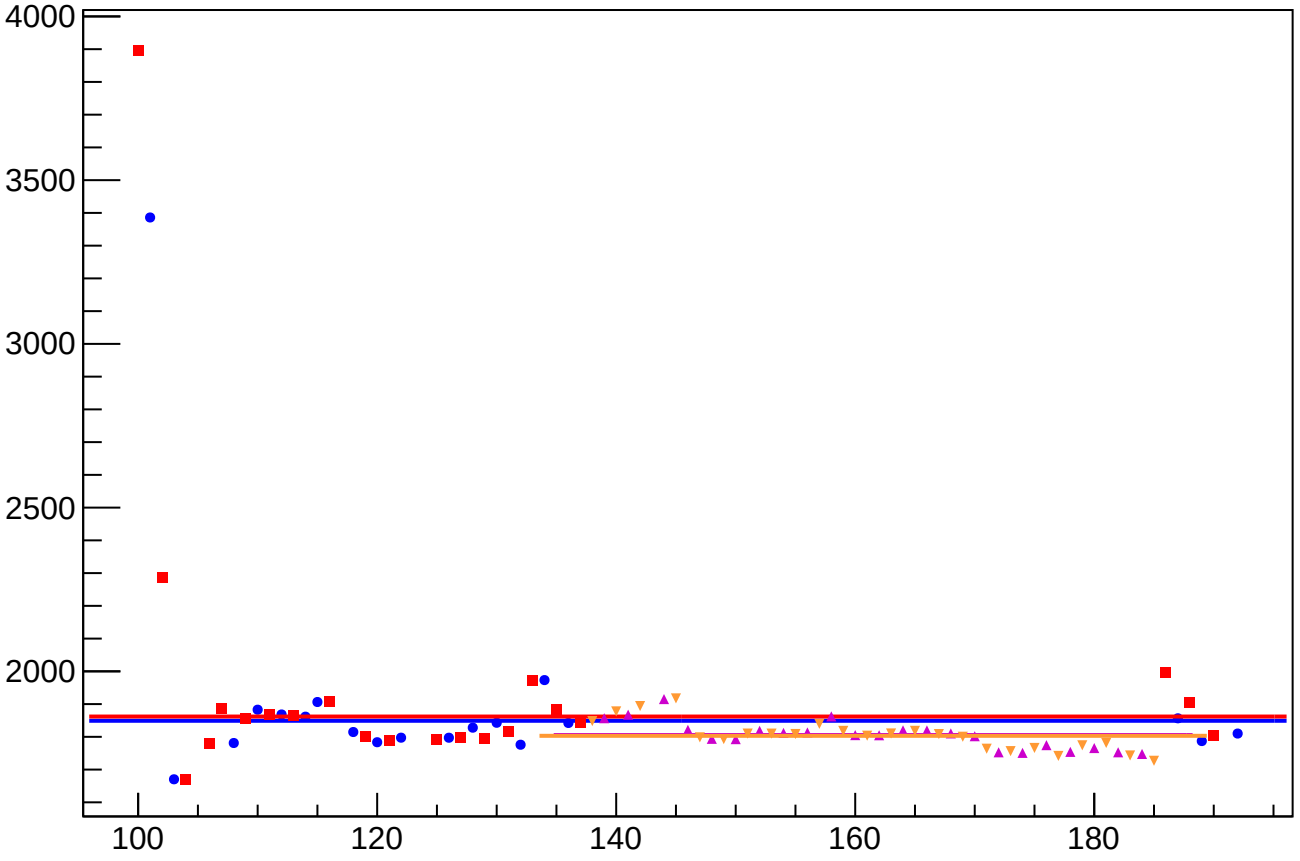
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3671.779+/-347.716 χ^2/NDF: 33.0/42

All: -299.308+/-246.708 χ^2/NDF: 342.6/86

- sign -4324.807+/-350.090 χ^2/NDF: 46.9/43

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1849.037+/-0.442 χ^2/NDF: 294967.5/18

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

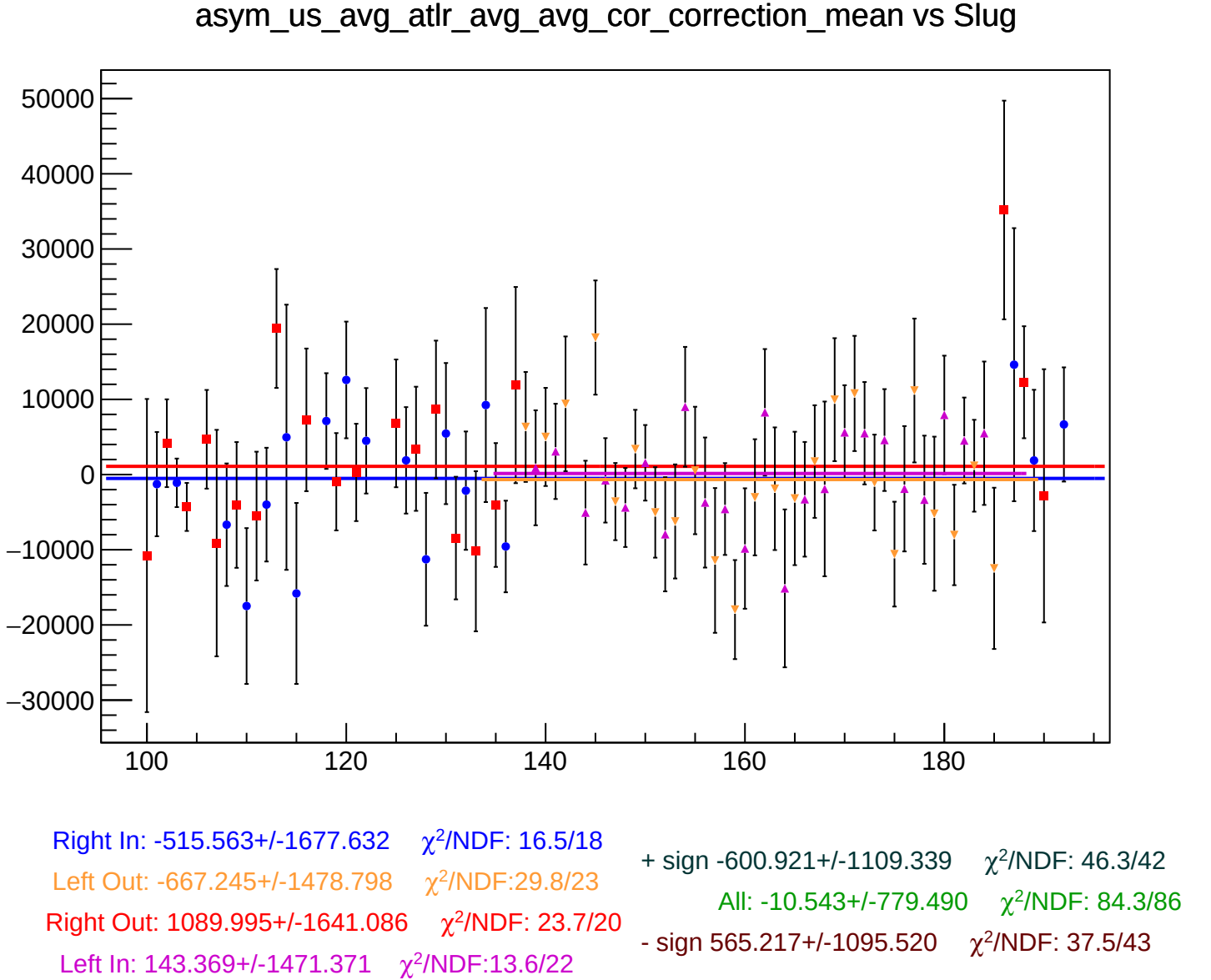
Right Out: 1861.974+/-0.443 χ^2/NDF: 107503.4/20

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

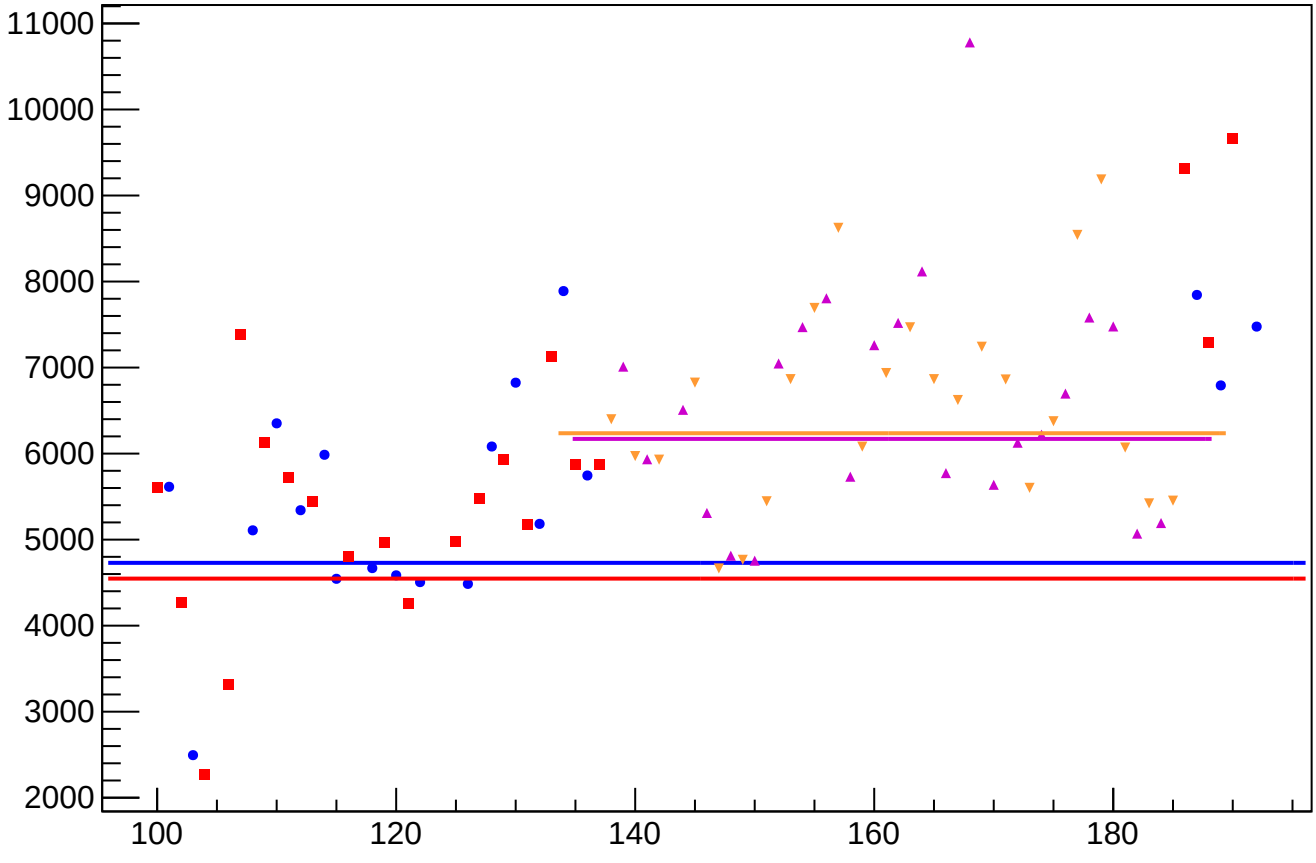
+ sign 1817.353+/-0.246 χ^2/NDF: 323071.1/42

All: 1820.231+/-0.174 χ^2/NDF: 461322.9/86

- sign 1823.144+/-0.247 χ^2/NDF: 137976.2/43


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
Right In: -515.563+/-1677.632 χ²/NDF: 16.5/18
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 1089.995+/-1641.086 χ²/NDF: 23.7/20
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -600.921+/-1109.339 χ²/NDF: 46.3/42
All: -10.543+/-779.490 χ²/NDF: 84.3/86
- sign 565.217+/-1095.520 χ²/NDF: 37.5/43

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4730.038+/-1.186 χ^2/NDF: 1818972.0/18

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

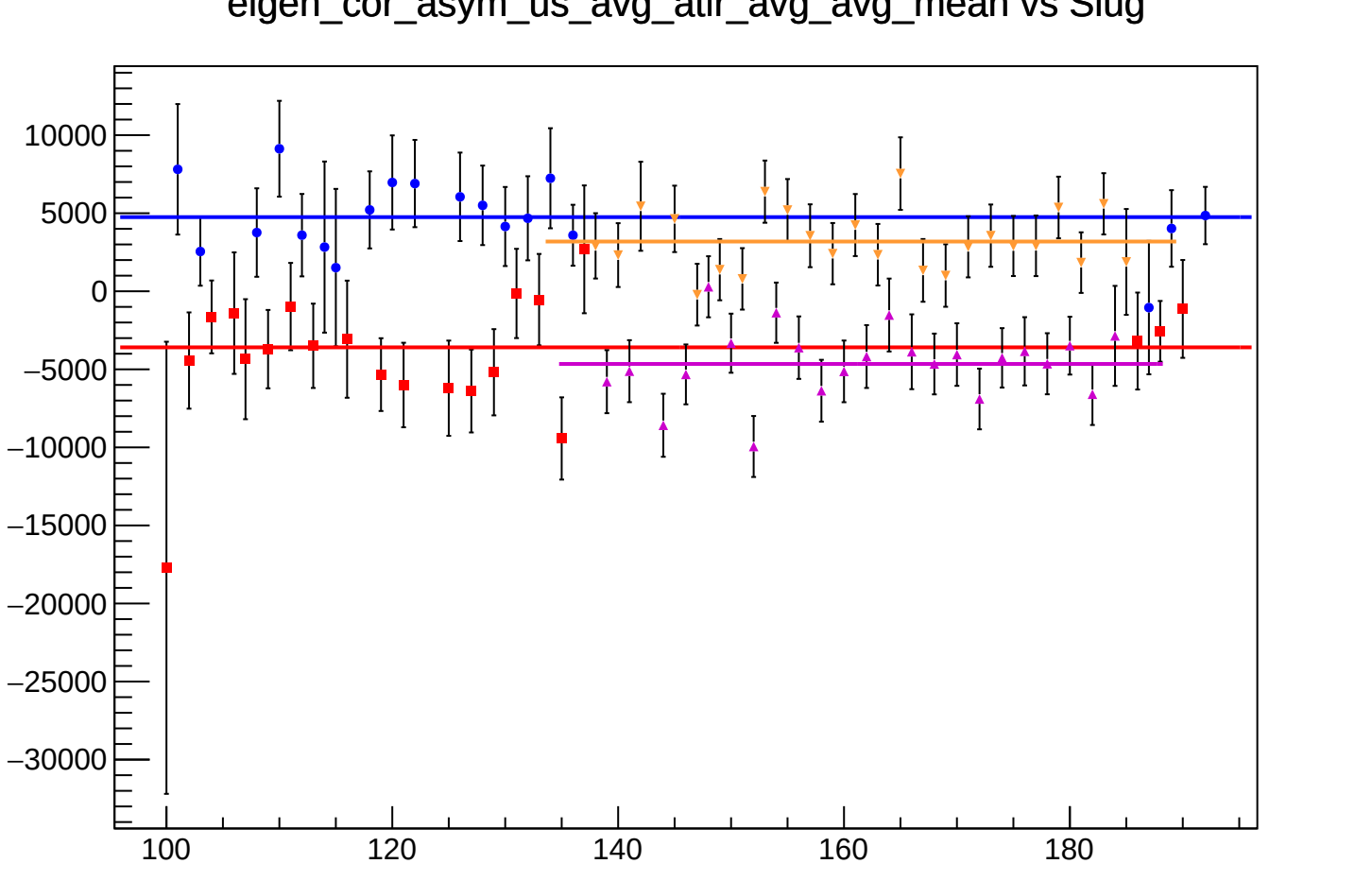
Right Out: 4546.926+/-1.160 χ^2/NDF: 2267235.2/20

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5577.867+/-0.784 χ^2/NDF: 3794335.7/42

All: 5511.685+/-0.551 χ^2/NDF: 8398777.6/86

- sign 5447.141+/-0.775 χ^2/NDF: 4590381.1/43



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

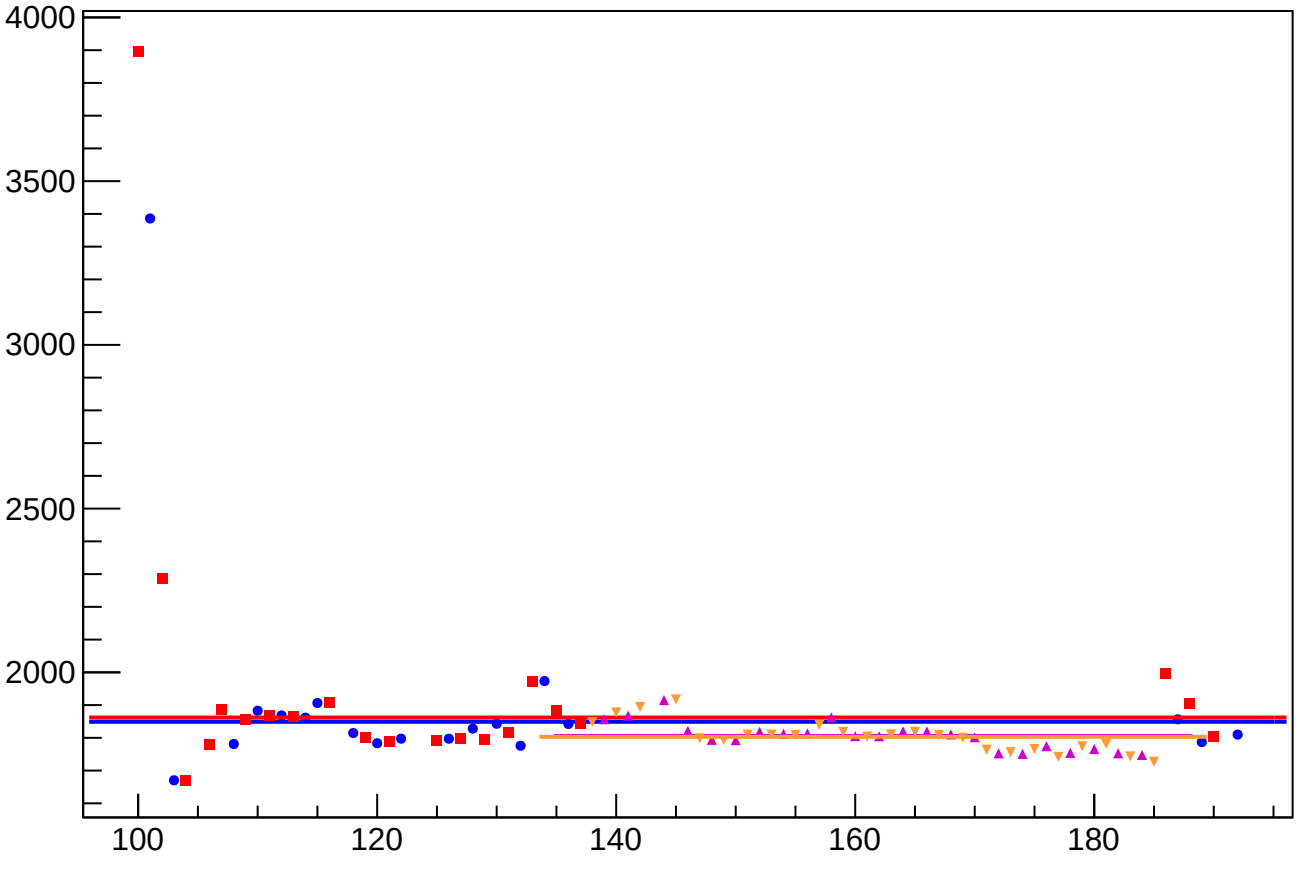
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3671.779+/-347.716 χ^2/NDF: 33.0/42

All: -299.308+/-246.708 χ^2/NDF: 342.6/86

- sign -4324.807+/-350.090 χ^2/NDF: 46.9/43

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1849.037+/-0.442 χ^2/NDF: 294967.5/18

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

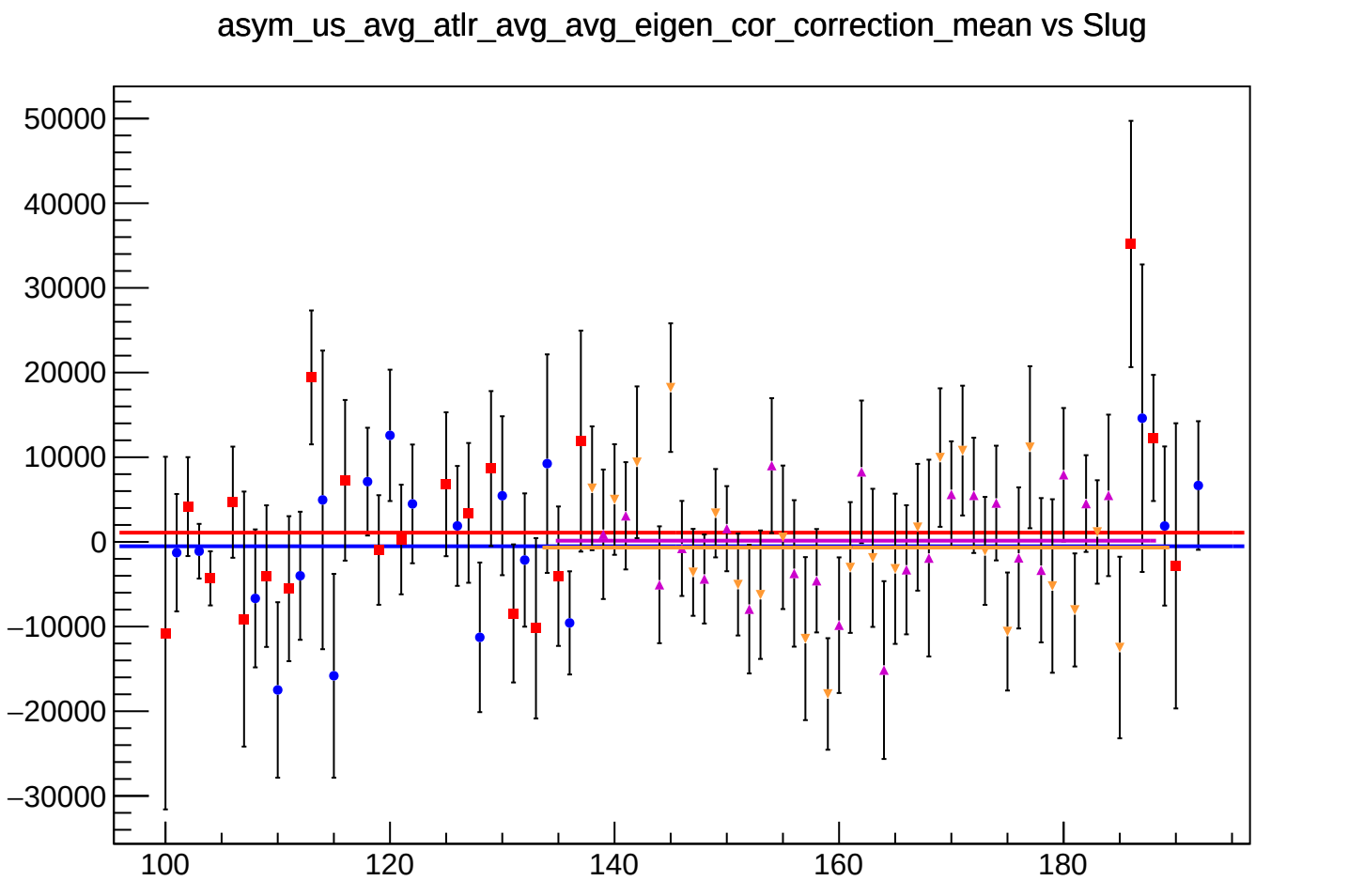
Right Out: 1861.974+/-0.443 χ^2/NDF: 107503.4/20

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1817.353+/-0.246 χ^2/NDF: 323071.1/42

All: 1820.231+/-0.174 χ^2/NDF: 461322.9/86

- sign 1823.144+/-0.247 χ^2/NDF: 137976.2/43



Right In: -515.563+/-1677.632 χ^2/NDF: 16.5/18

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

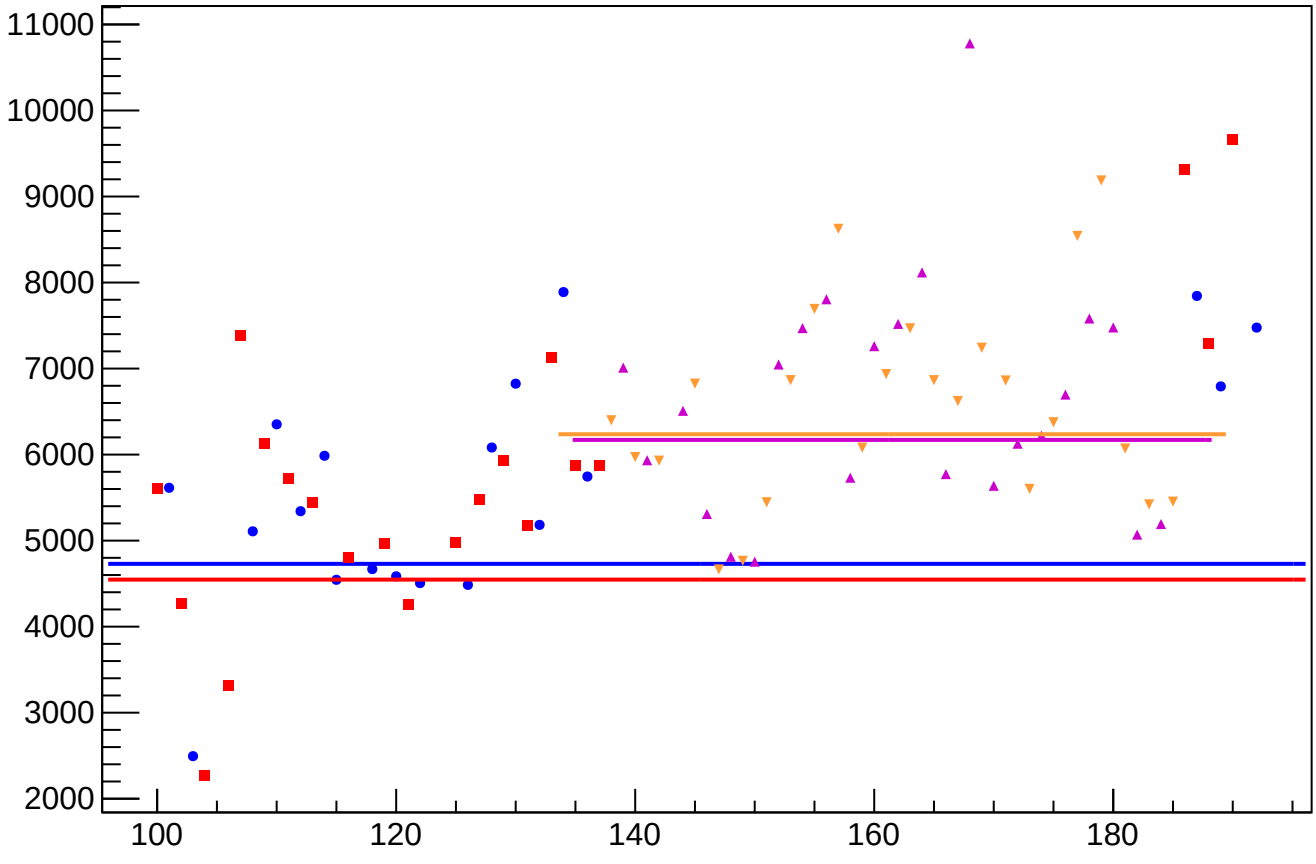
Right Out: 1089.995+/-1641.086 χ^2/NDF: 23.7/20

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -600.921+/-1109.339 χ^2/NDF: 46.3/42

All: -10.543+/-779.490 χ^2/NDF: 84.3/86

- sign 565.217+/-1095.520 χ^2/NDF: 37.5/43



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

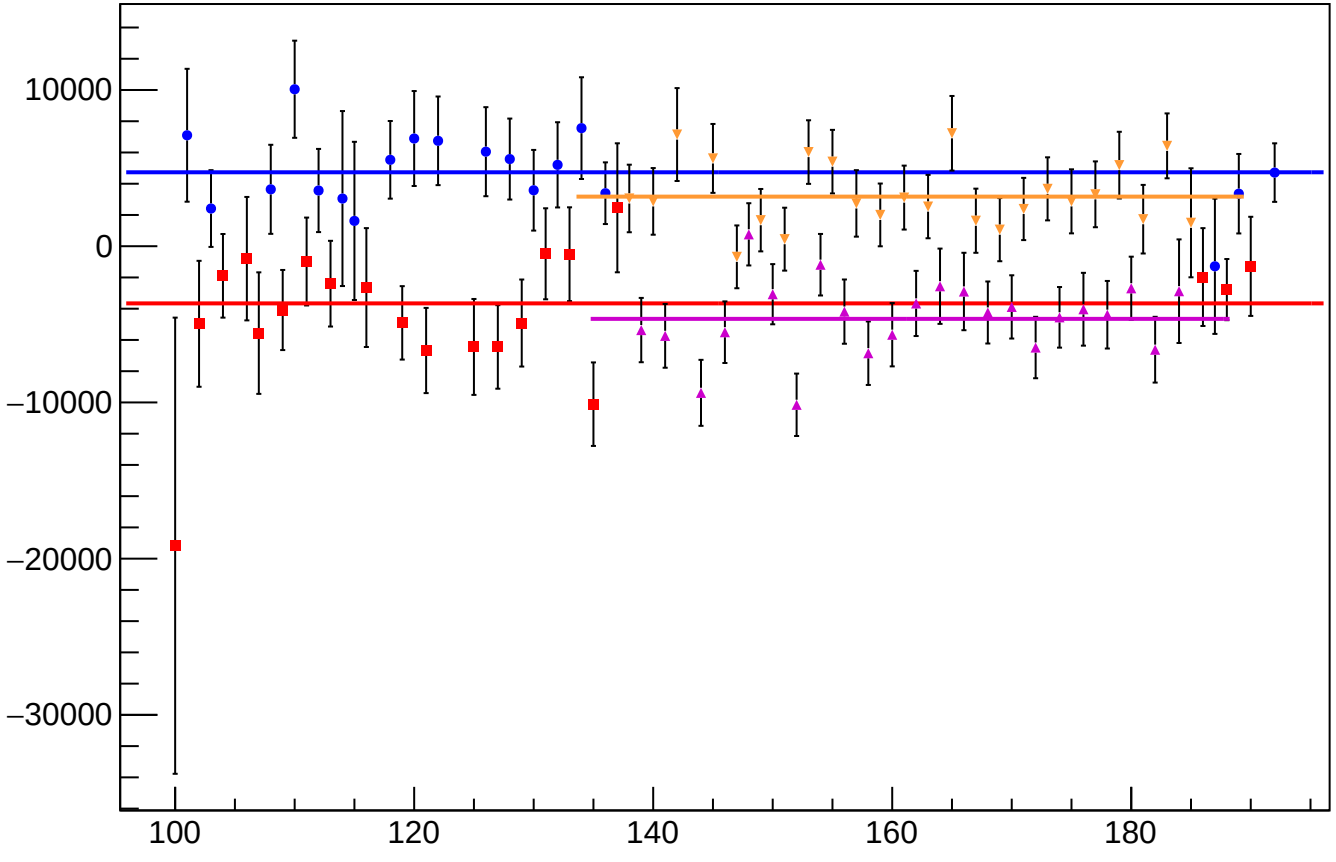
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5577.867+/-0.784 χ^2/NDF: 3794335.7/42

All: 5511.685+/-0.551 χ^2/NDF: 8398777.6/86

- sign 5447.141+/-0.775 χ^2/NDF: 4590381.1/43

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



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

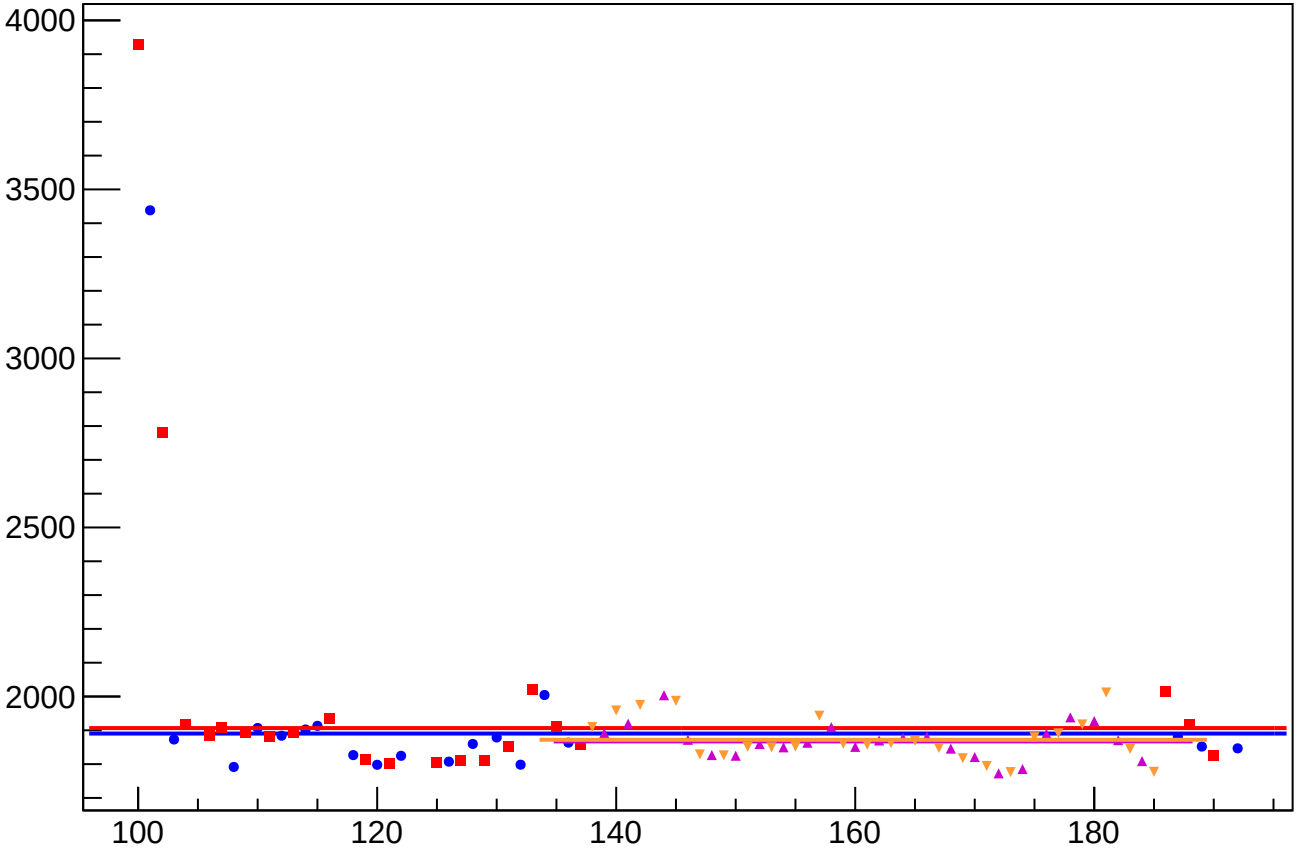
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3668.323+/-359.370 χ^2/NDF: 35.7/42

All: -312.265+/-254.862 χ^2/NDF: 333.3/86

- sign -4340.136+/-361.498 χ^2/NDF: 50.8/43

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1890.438+/-0.451 χ^2/NDF: 280376.5/18

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

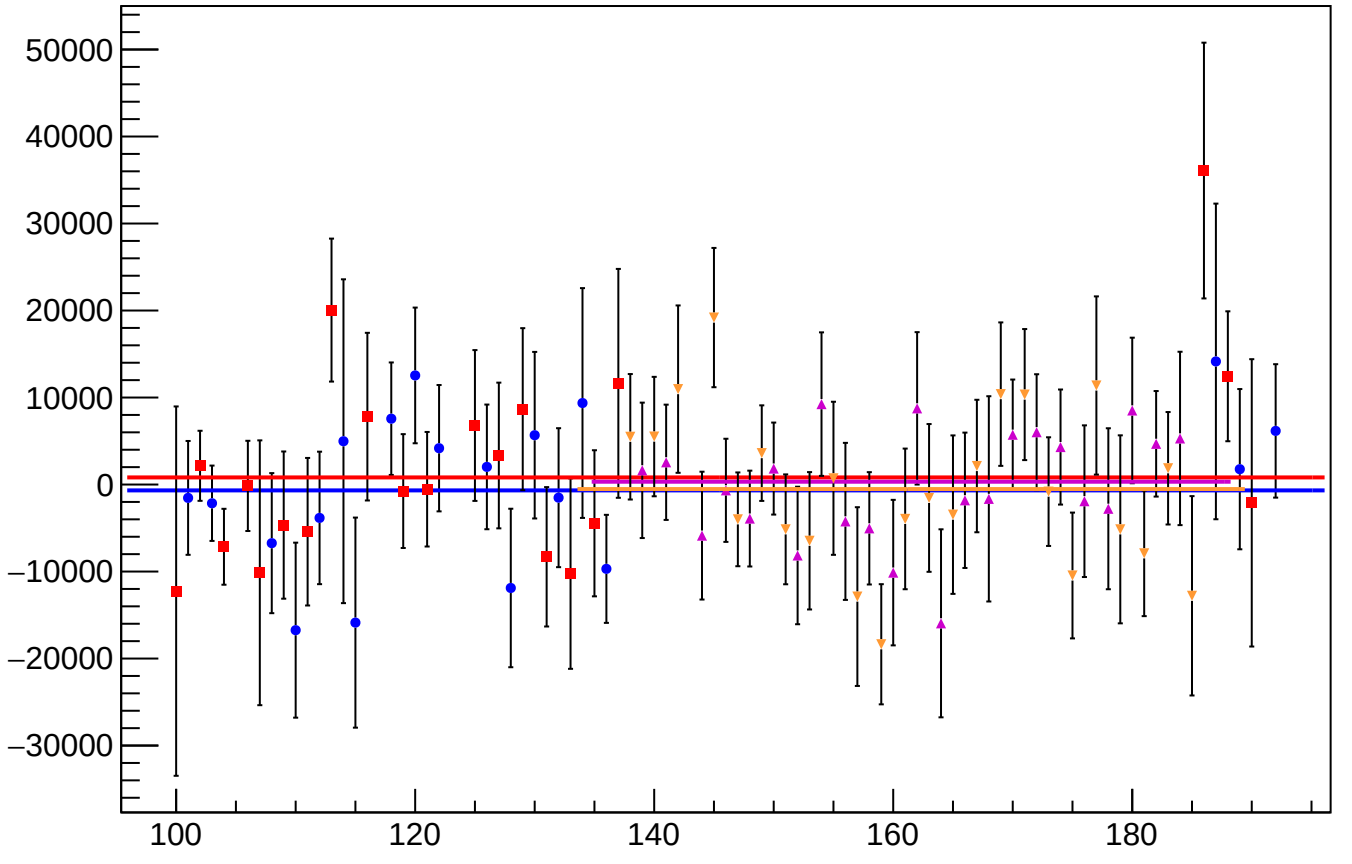
Right Out: 1906.620+/-0.456 χ^2/NDF: 153894.9/20

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1877.829+/-0.254 χ^2/NDF: 318673.6/42

All: 1878.649+/-0.180 χ^2/NDF: 504989.2/86

- sign 1879.477+/-0.256 χ^2/NDF: 186294.6/43



Right In: -673.176+/-1795.994 χ^2/NDF: 16.4/18

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

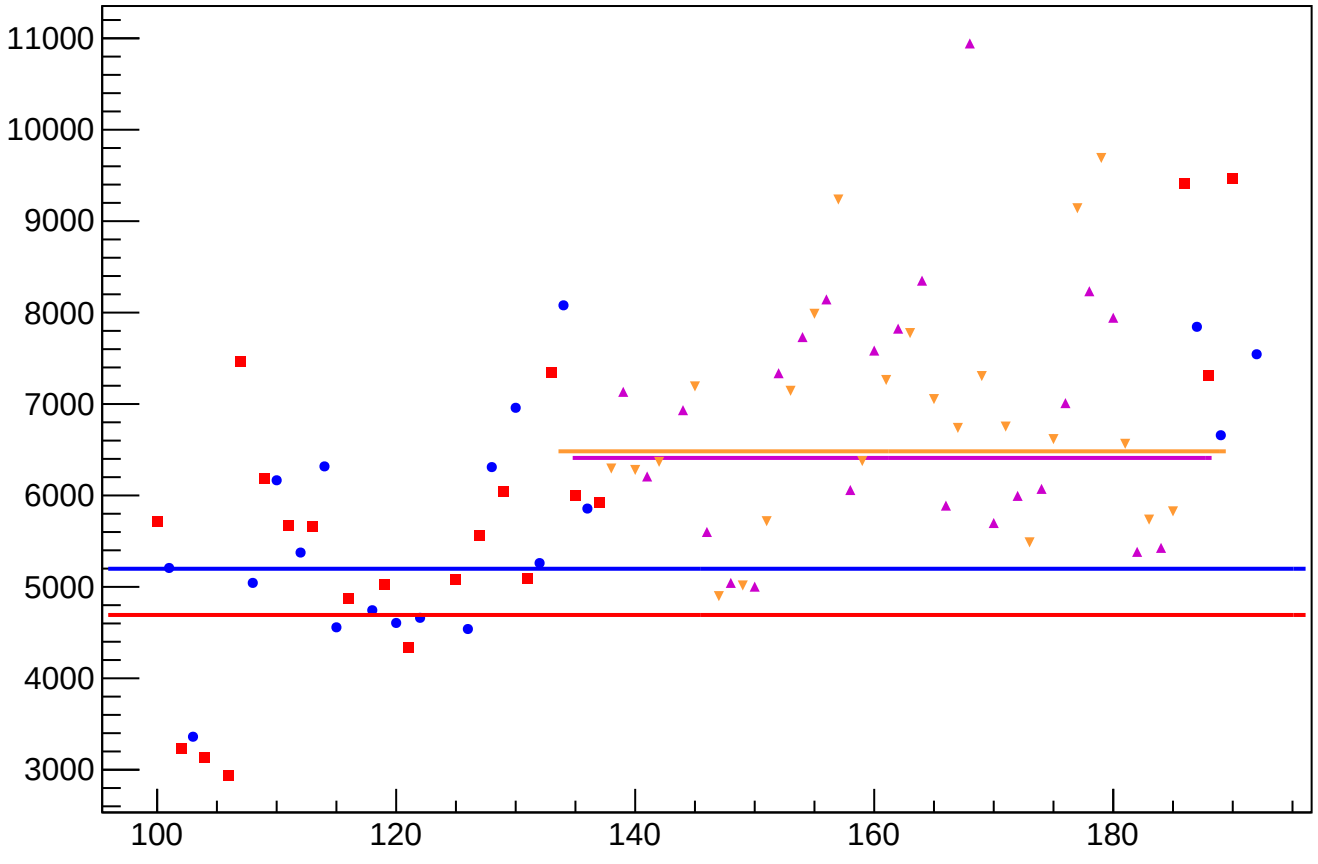
Right Out: 818.003+/-1650.359 χ^2/NDF: 24.3/20

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -584.898+/-1167.661 χ^2/NDF: 45.6/42

All: 6.789+/-808.743 χ^2/NDF: 83.8/86

- sign 552.347+/-1121.222 χ^2/NDF: 37.8/43



Right In: 5198.271+/-1.270 χ^2/NDF: 938042.2/18

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

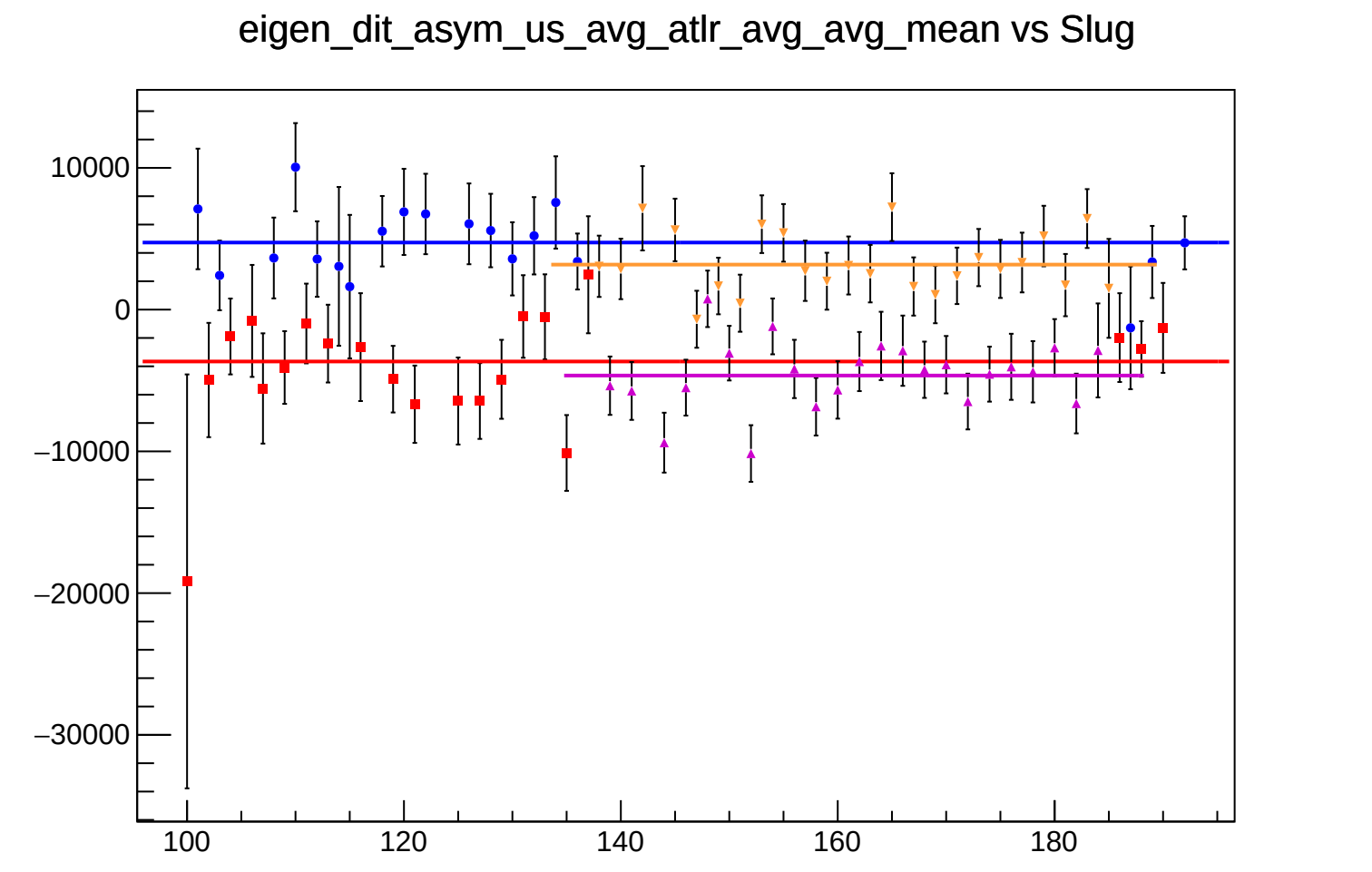
Right Out: 4692.890+/-1.167 χ^2/NDF: 1821562.1/20

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 5939.800+/-0.826 χ^2/NDF: 2603192.9/42

All: 5772.207+/-0.572 χ^2/NDF: 6890101.9/86

- sign 5617.680+/-0.793 χ^2/NDF: 4207719.2/43



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

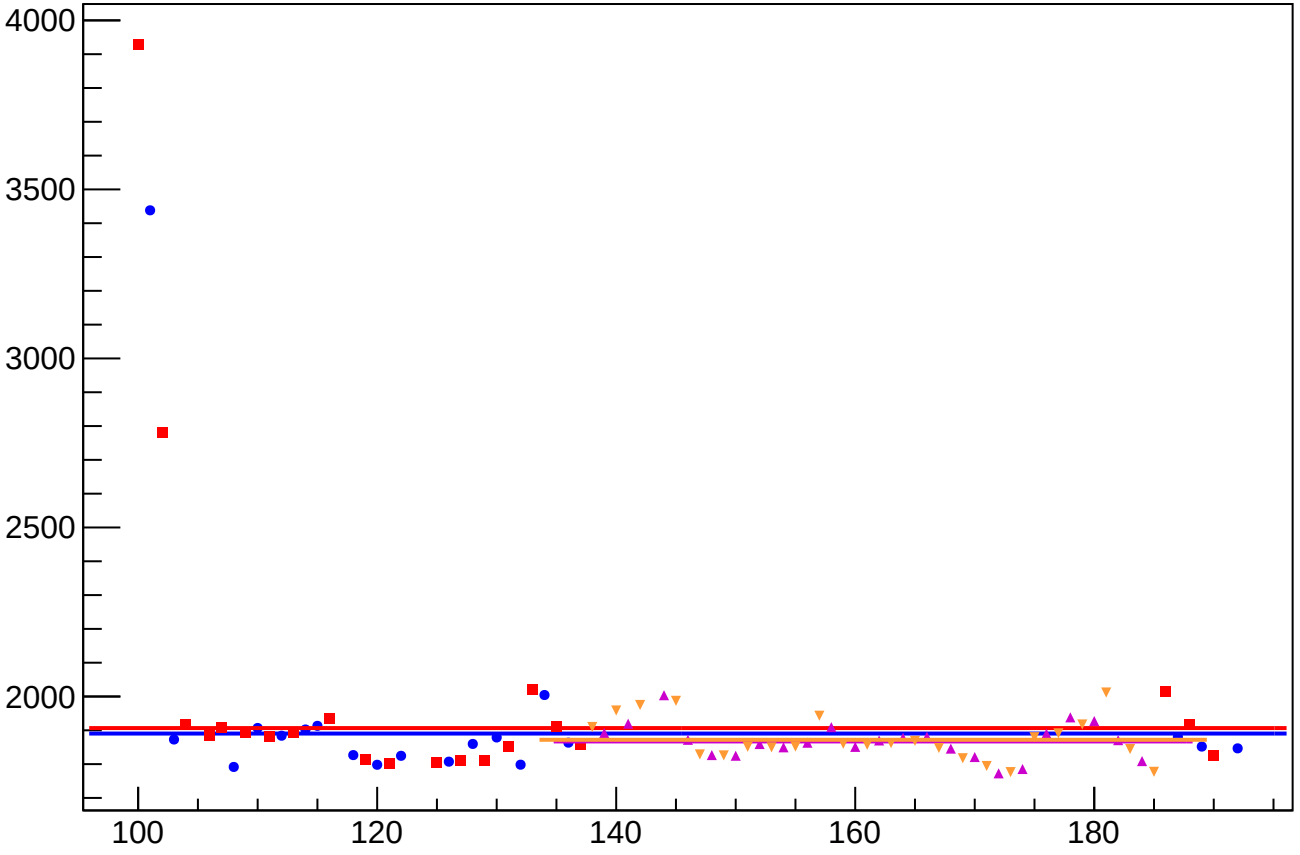
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3668.319+/-359.370 χ^2/NDF: 35.7/42

All: -312.267+/-254.862 χ^2/NDF: 333.3/86

- sign -4340.136+/-361.498 χ^2/NDF: 50.8/43

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1890.437+/-0.451 χ^2/NDF: 280376.8/18

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

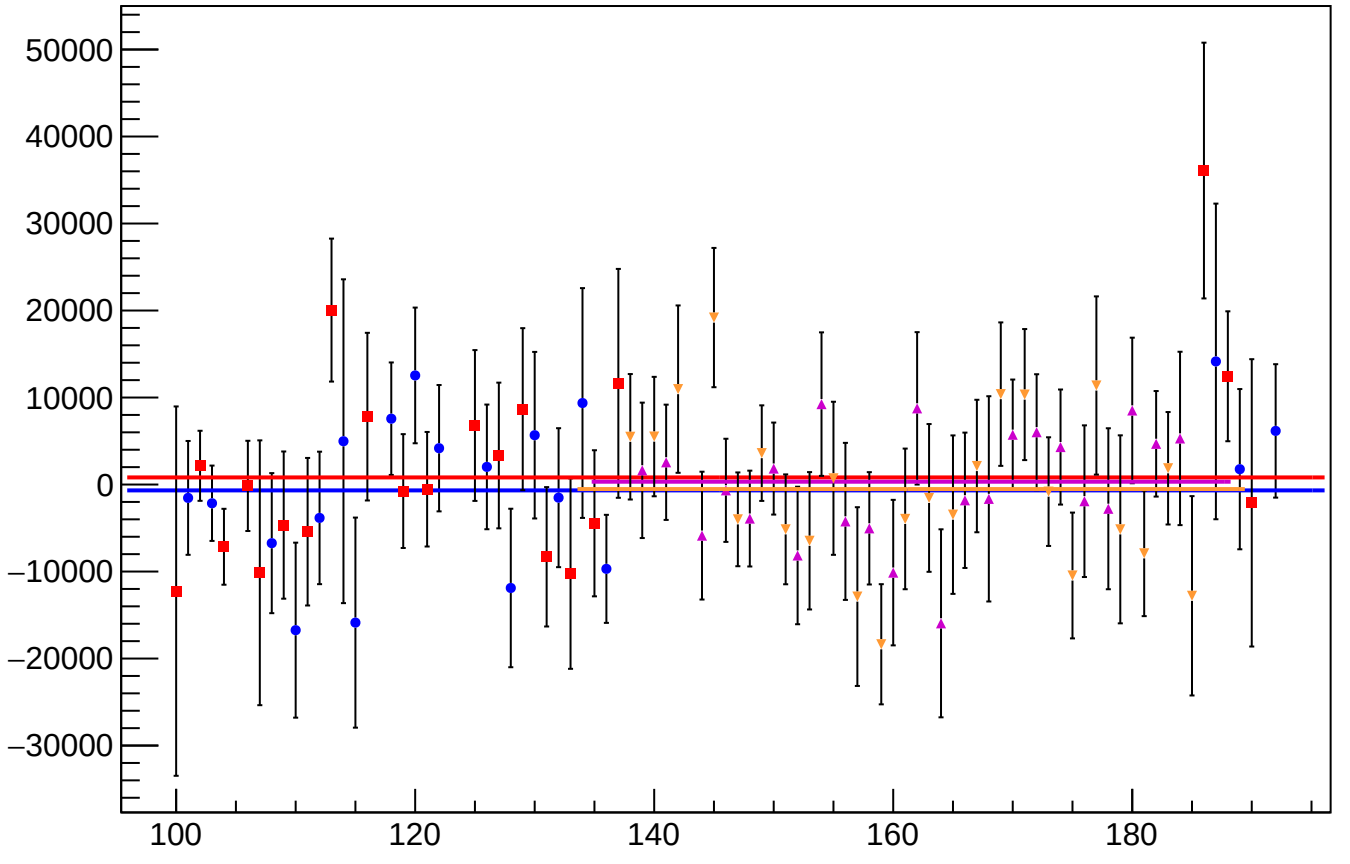
Right Out: 1906.619+/-0.456 χ^2/NDF: 153894.1/20

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1877.830+/-0.254 χ^2/NDF: 318674.7/42

All: 1878.649+/-0.180 χ^2/NDF: 504990.1/86

- sign 1879.478+/-0.256 χ^2/NDF: 186294.5/43



Right In: -673.169+/-1795.990 χ^2/NDF: 16.4/18

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

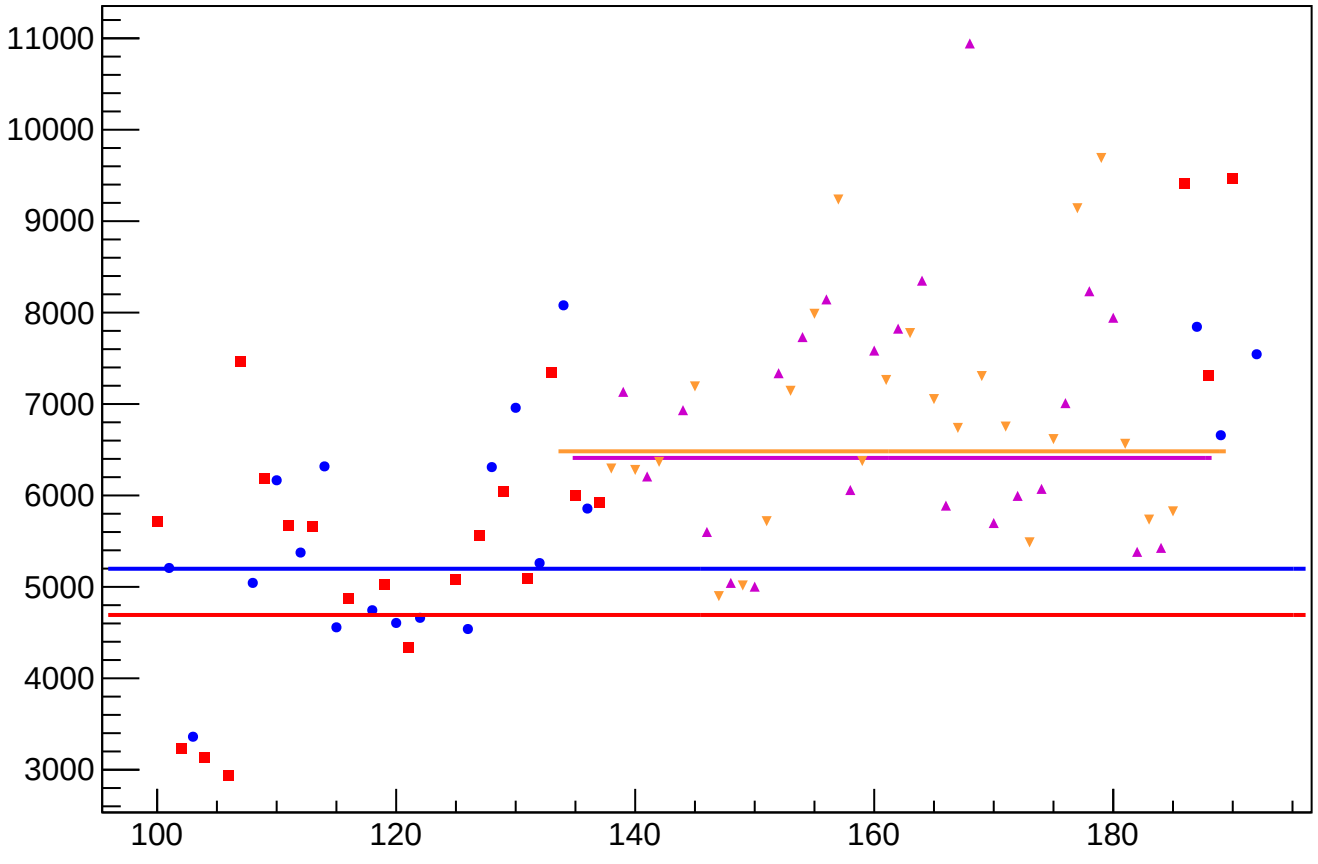
Right Out: 817.997+/-1650.355 χ^2/NDF: 24.3/20

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -584.899+/-1167.661 χ^2/NDF: 45.6/42

All: 6.788+/-808.743 χ^2/NDF: 83.8/86

- sign 552.346+/-1121.222 χ^2/NDF: 37.8/43



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

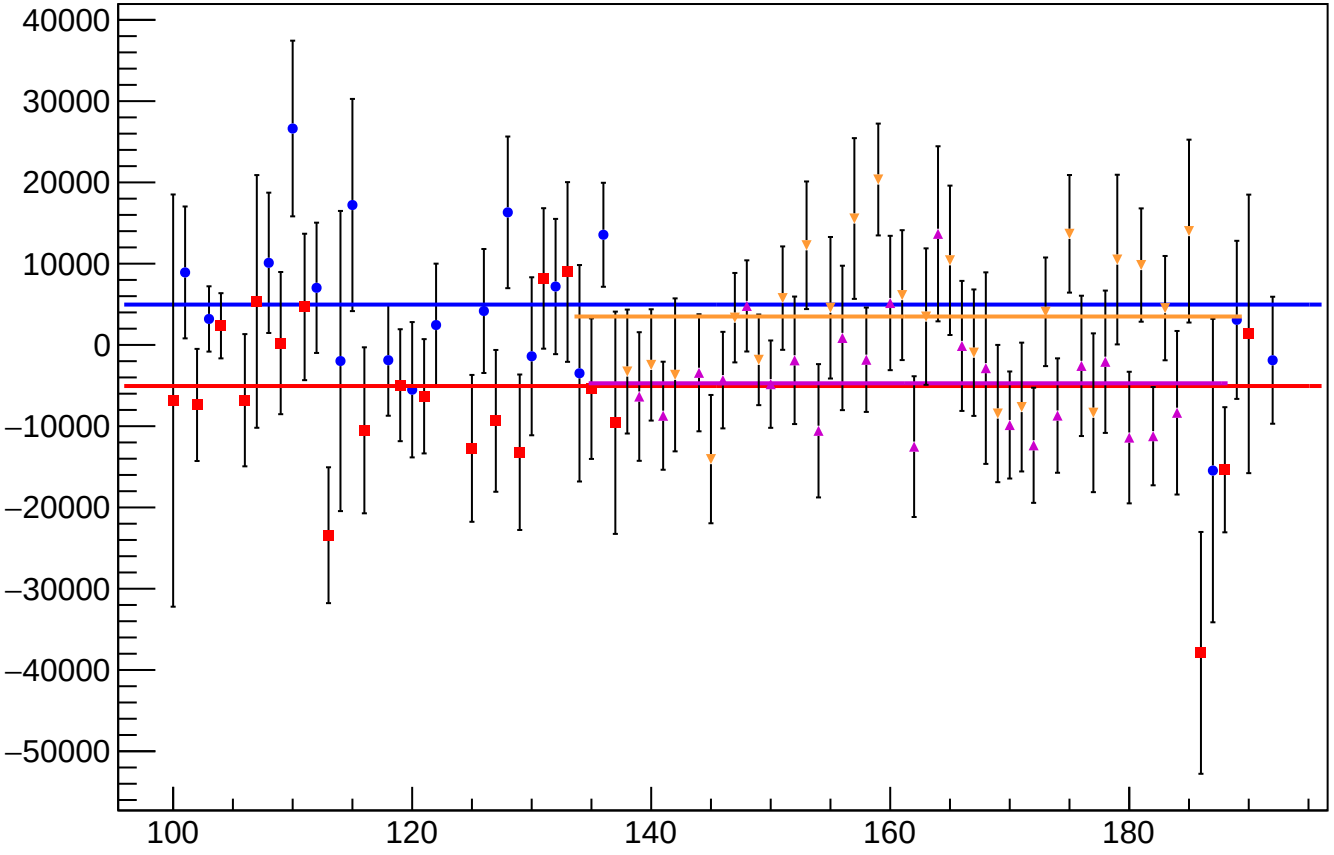
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 5939.798+/-0.826 χ^2/NDF: 2603224.6/42

All: 5772.205+/-0.572 χ^2/NDF: 6890172.5/86

- sign 5617.677+/-0.793 χ^2/NDF: 4207757.3/43

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4965.498+/-1855.901 χ^2/NDF: 14.8/18

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -5056.797+/-1838.383 χ^2/NDF: 23.3/20

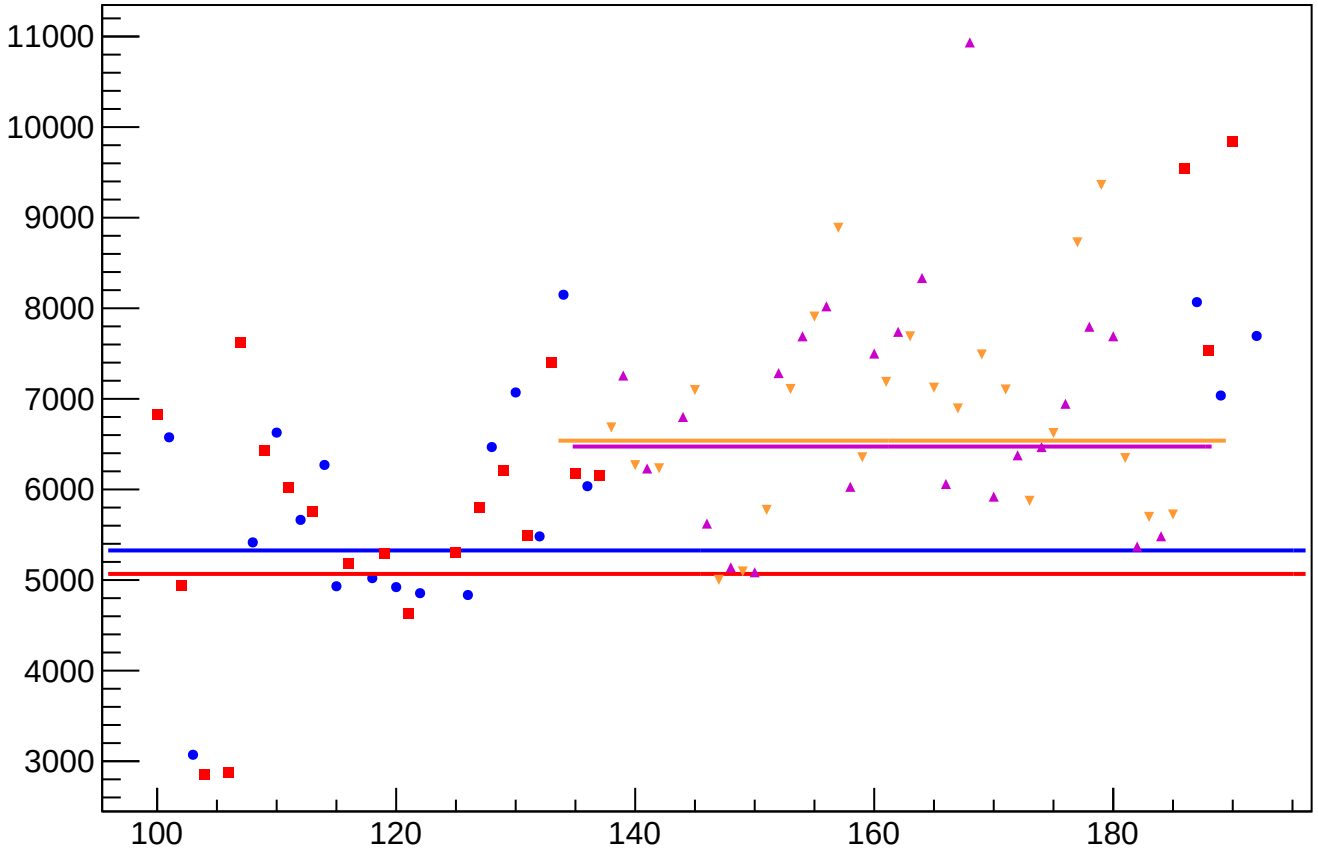
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4098.596+/-1187.781 χ^2/NDF: 42.6/42

All: -408.808+/-837.179 χ^2/NDF: 108.8/86

- sign -4858.521+/-1180.155 χ^2/NDF: 37.5/43

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5326.552+/-1.312 χ^2/NDF: 1239934.0/18

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

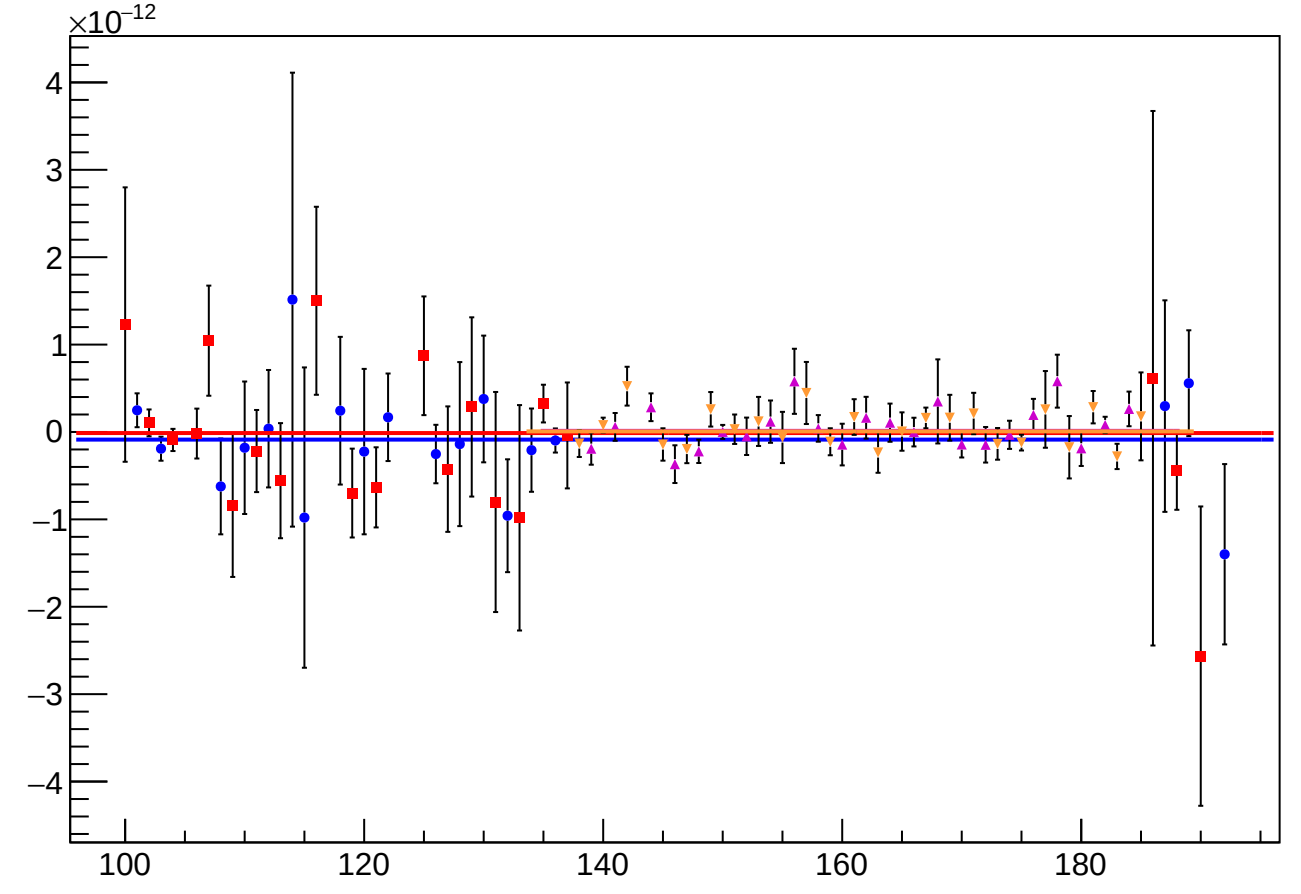
Right Out: 5067.488+/-1.276 χ^2/NDF: 1746195.1/20

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6042.196+/-0.840 χ^2/NDF: 2664264.5/42

All: 5960.607+/-0.590 χ^2/NDF: 6203715.2/86

- sign 5881.305+/-0.828 χ^2/NDF: 3520841.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

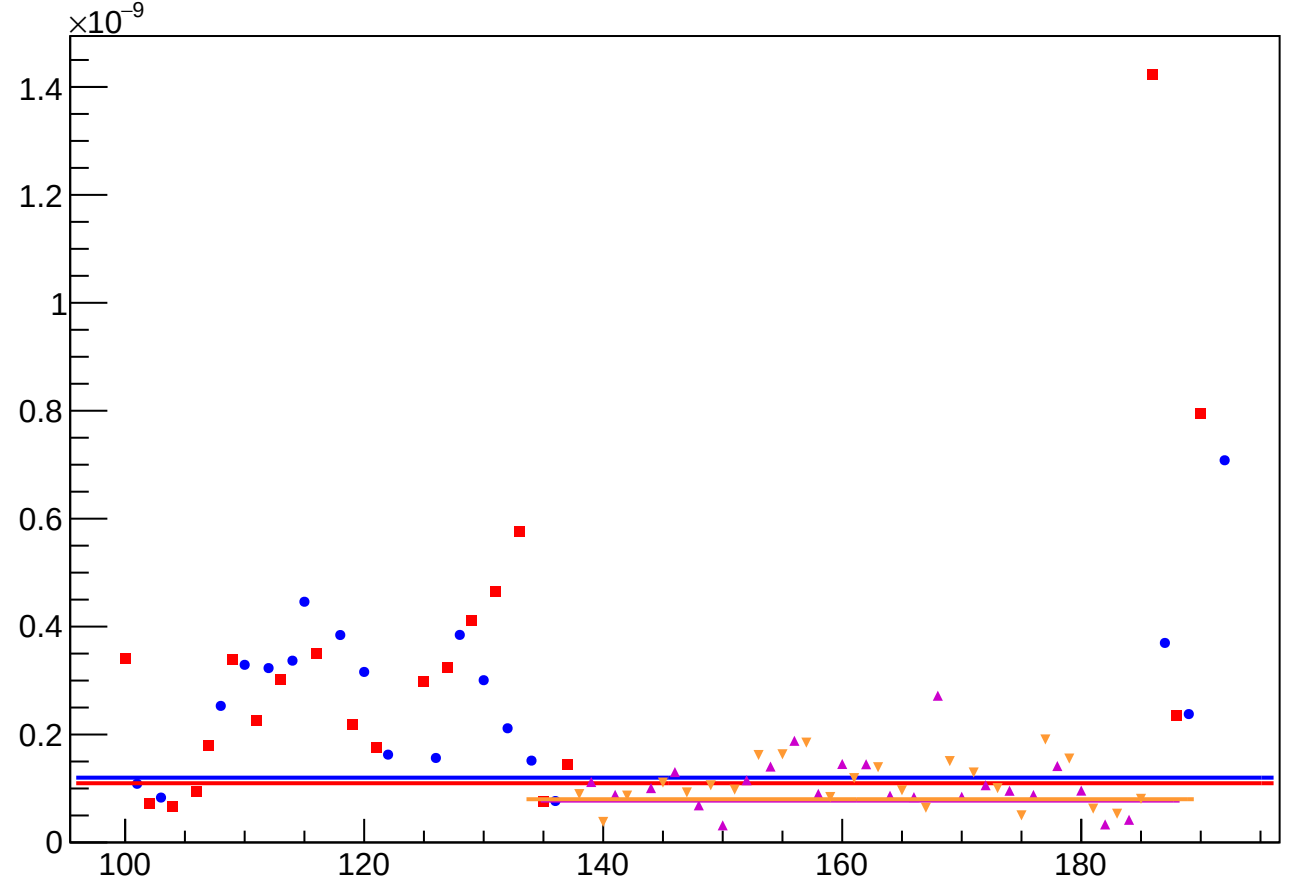
Right Out: -0.000+/-0.000 χ^2/NDF: 20.6/20

Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.5/42

All: -0.000+/-0.000 χ^2/NDF: 84.3/86

- sign 0.000+/-0.000 χ^2/NDF: 44.7/43



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

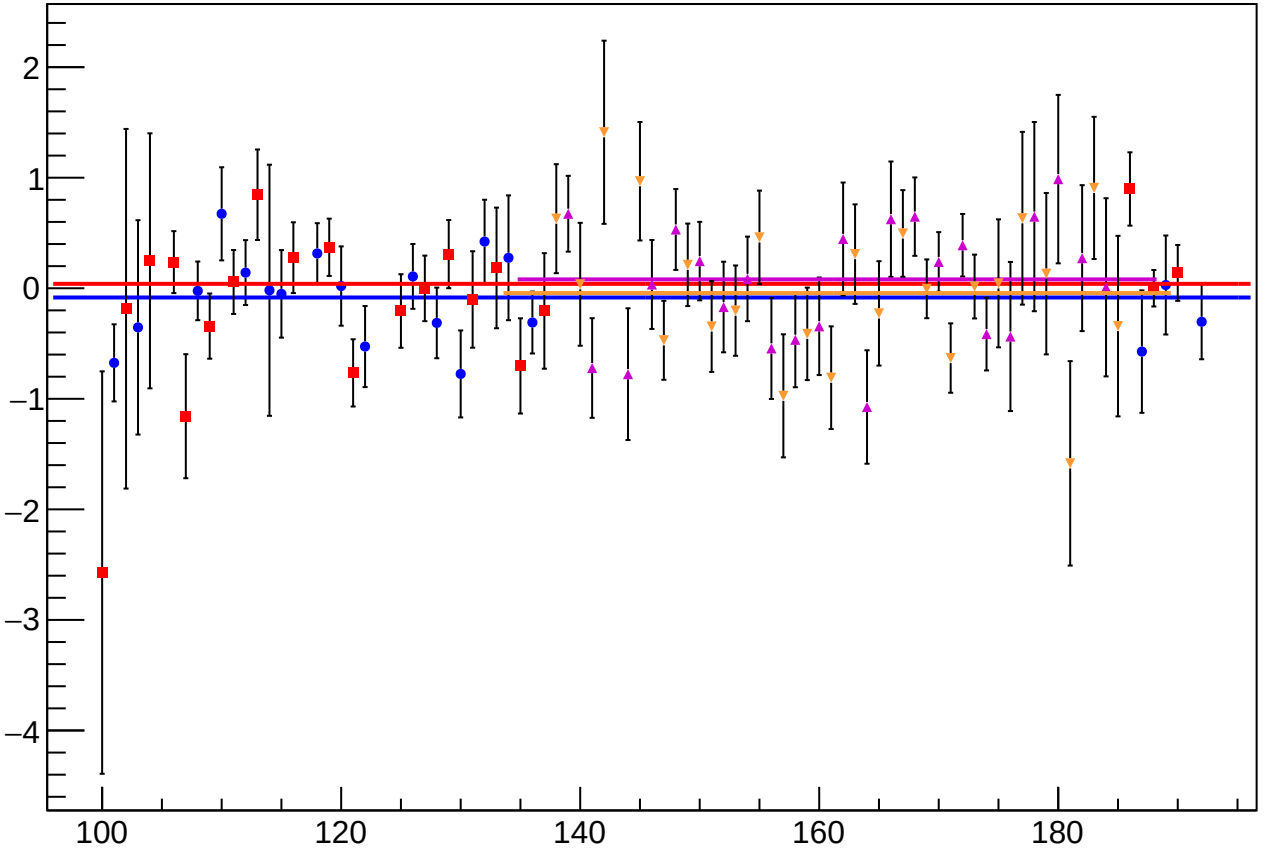
Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4949713.7/42

All: 0.000+/-0.000 χ^2/NDF: 10848968.1/86

- sign 0.000+/-0.000 χ^2/NDF: 5883453.2/43

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug



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

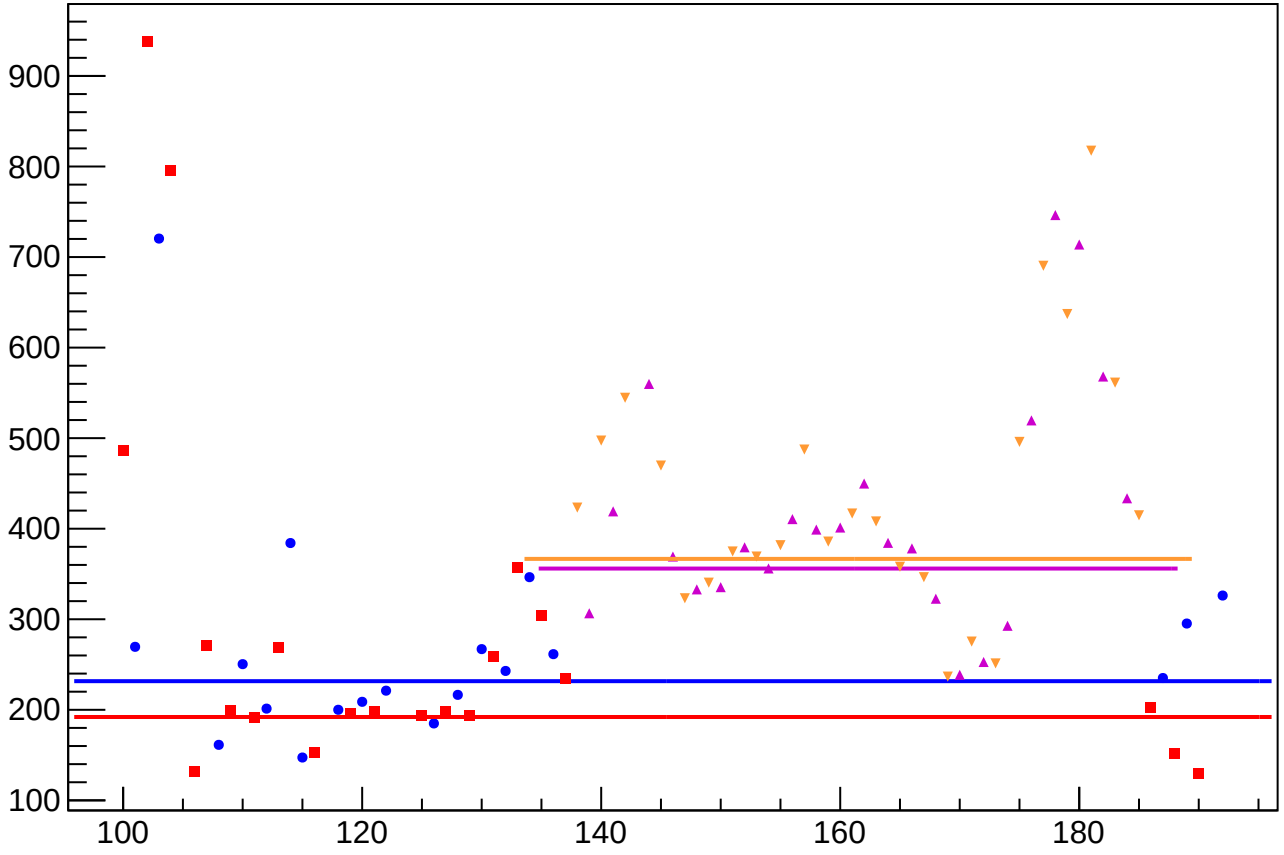
Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.065+/-0.061 χ^2/NDF: 49.7/42

All: 0.001+/-0.041 χ^2/NDF: 115.8/86

- sign 0.056+/-0.056 χ^2/NDF: 64.0/43

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 231.626+/-0.059 χ^2/NDF: 1235881.3/18

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

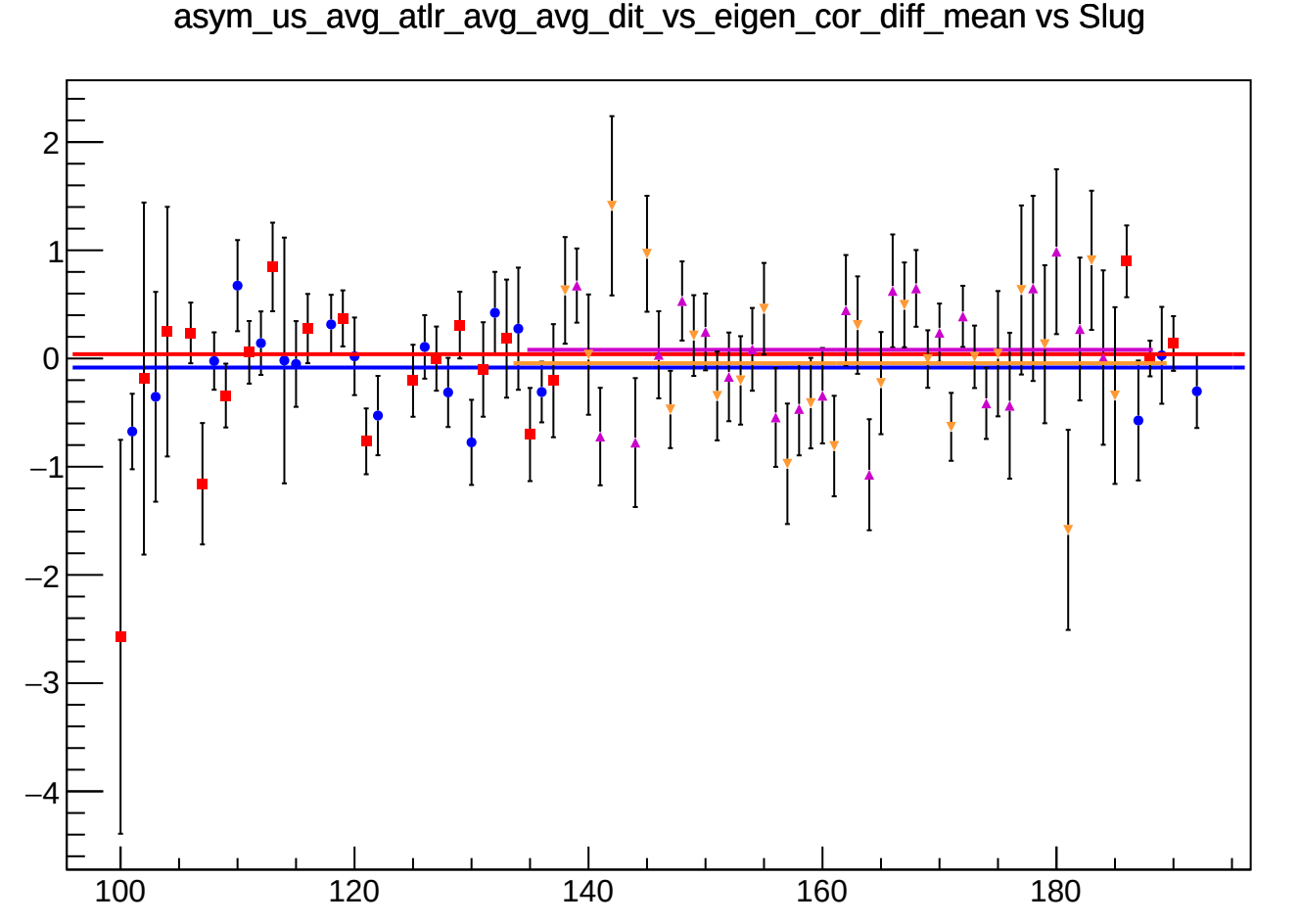
Right Out: 192.059+/-0.051 χ^2/NDF: 1877824.5/20

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 293.582+/-0.043 χ^2/NDF: 6489525.9/42

All: 274.170+/-0.029 χ^2/NDF: 15320582.5/86

- sign 258.118+/-0.039 χ^2/NDF: 8464281.6/43



Right In: -0.084+/-0.083 χ^2/NDF: 18.6/18

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

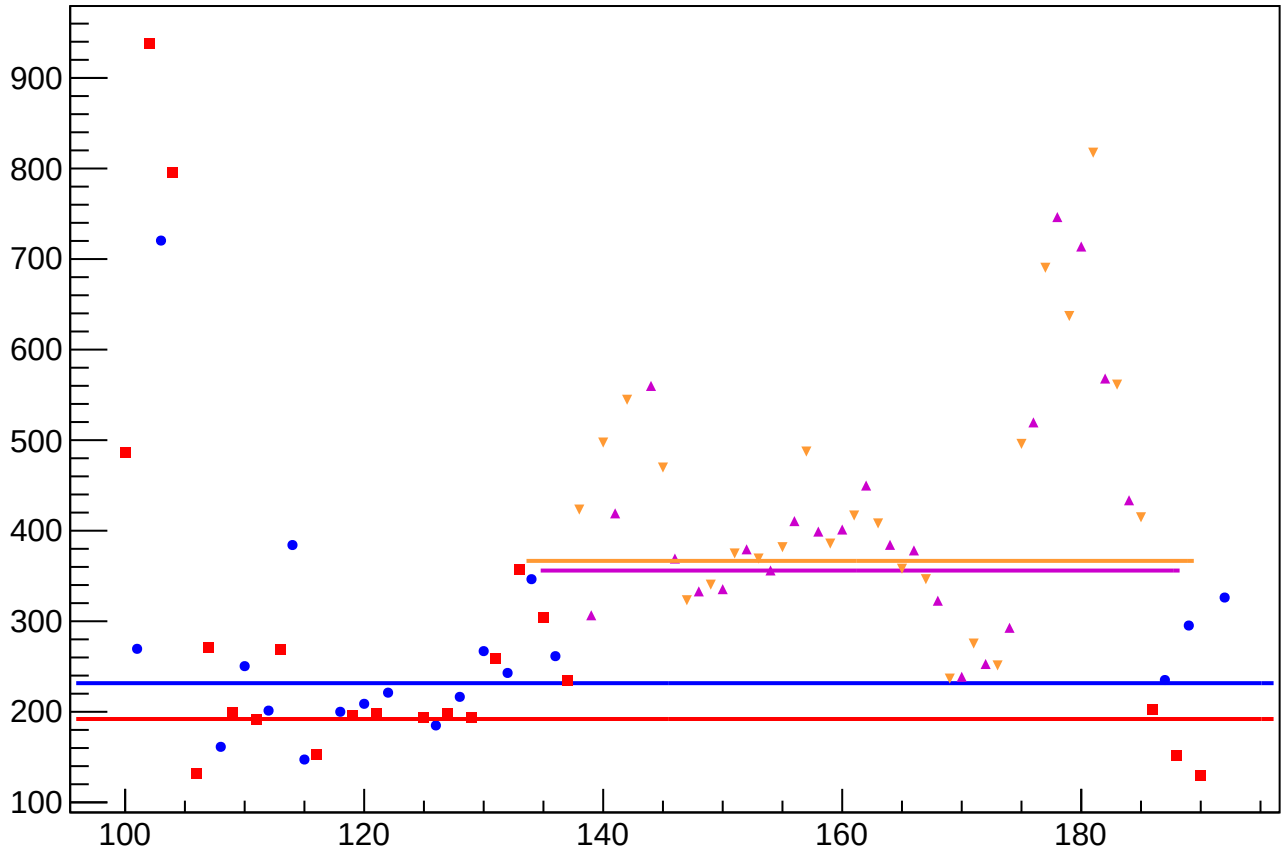
Right Out: 0.040+/-0.072 χ^2/NDF: 33.5/20

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.065+/-0.061 χ^2/NDF: 49.7/42

All: 0.001+/-0.041 χ^2/NDF: 115.8/86

- sign 0.056+/-0.056 χ^2/NDF: 64.0/43



Right In: 231.626+/-0.059 χ^2/NDF: 1235881.3/18

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

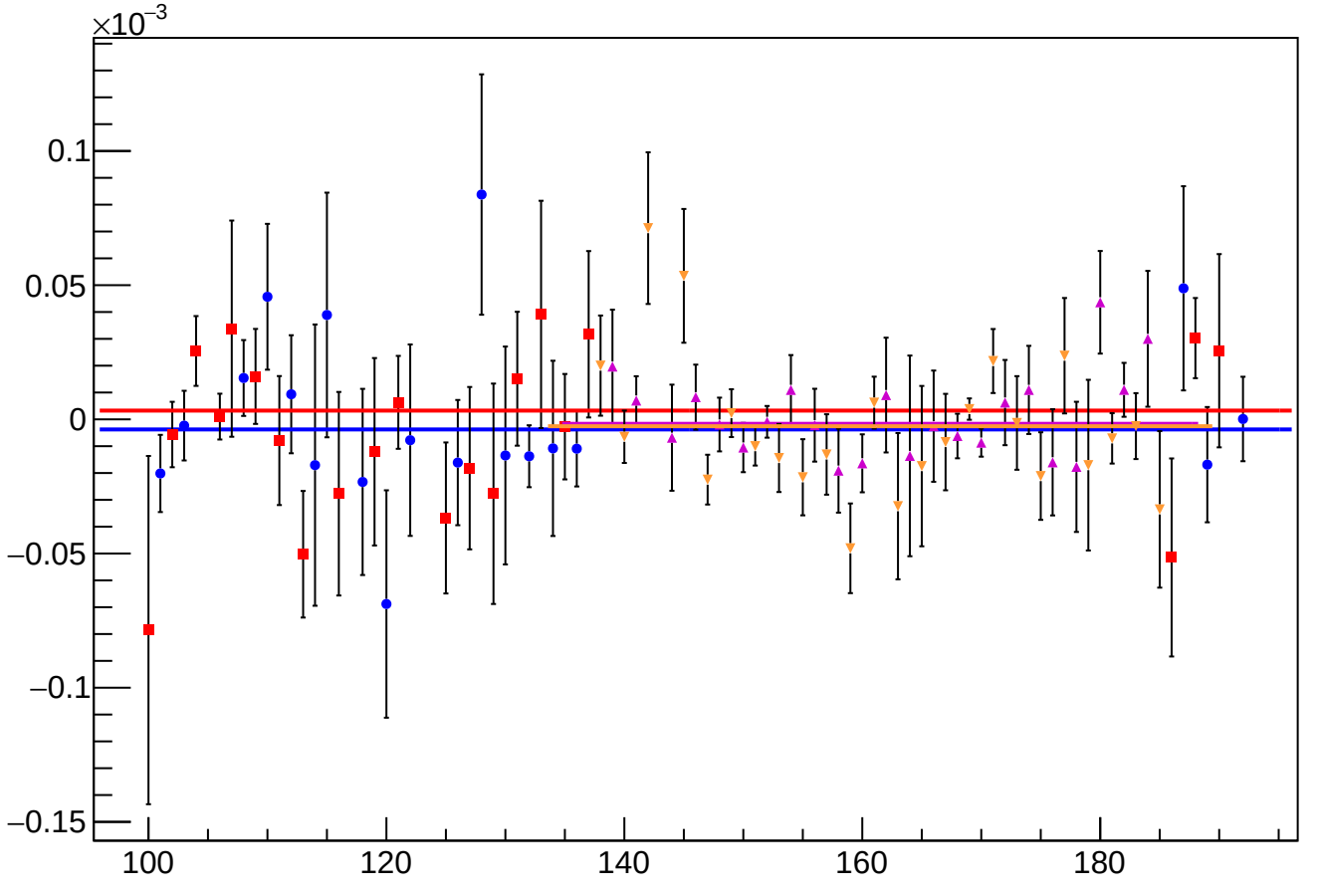
Right Out: 192.059+/-0.051 χ^2/NDF: 1877824.5/20

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 293.582+/-0.043 χ^2/NDF: 6489525.9/42

All: 274.170+/-0.029 χ^2/NDF: 15320582.5/86

- sign 258.118+/-0.039 χ^2/NDF: 8464281.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

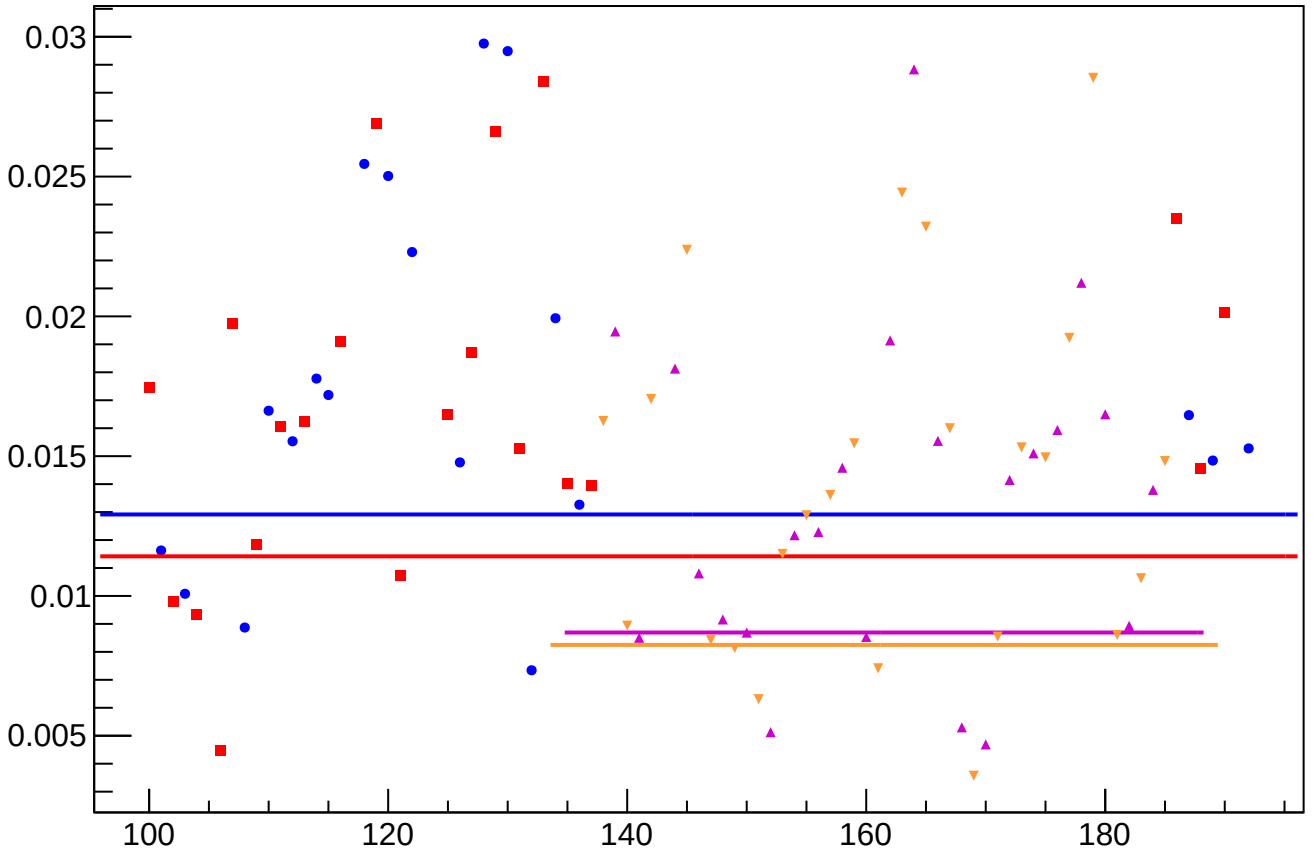
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/20

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.6/42

All: -0.000+/-0.000 χ^2/NDF: 107.2/86

- sign -0.000+/-0.000 χ^2/NDF: 45.0/43



Right In: 0.013+/-0.000 χ^2/NDF: 2207159.4/18

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

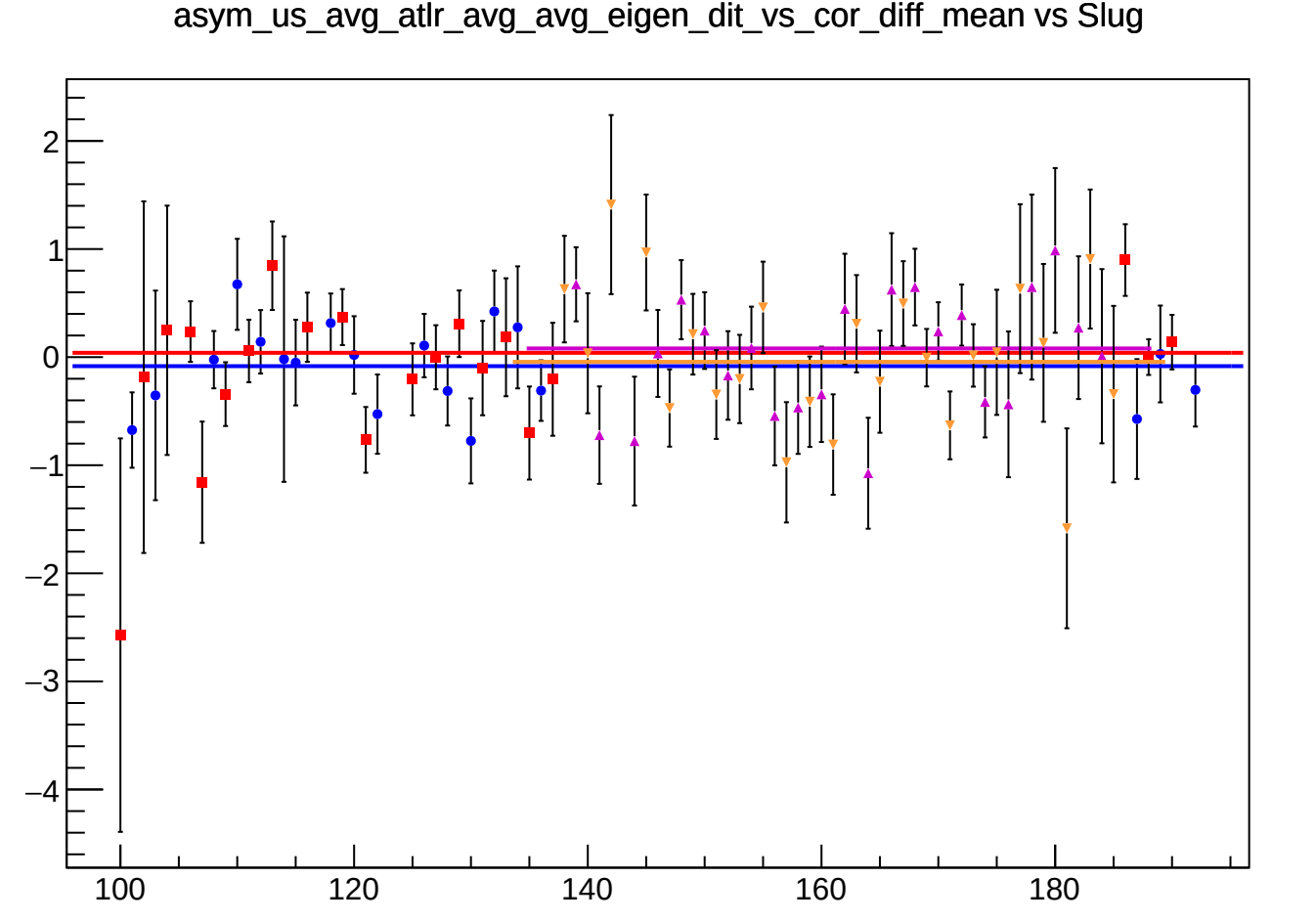
Right Out: 0.011+/-0.000 χ^2/NDF: 3445108.2/20

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 12694071.8/42

All: 0.009+/-0.000 χ^2/NDF: 23635330.2/86

- sign 0.009+/-0.000 χ^2/NDF: 10933509.8/43



Right In: -0.084+/-0.083 χ^2/NDF: 18.6/18

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

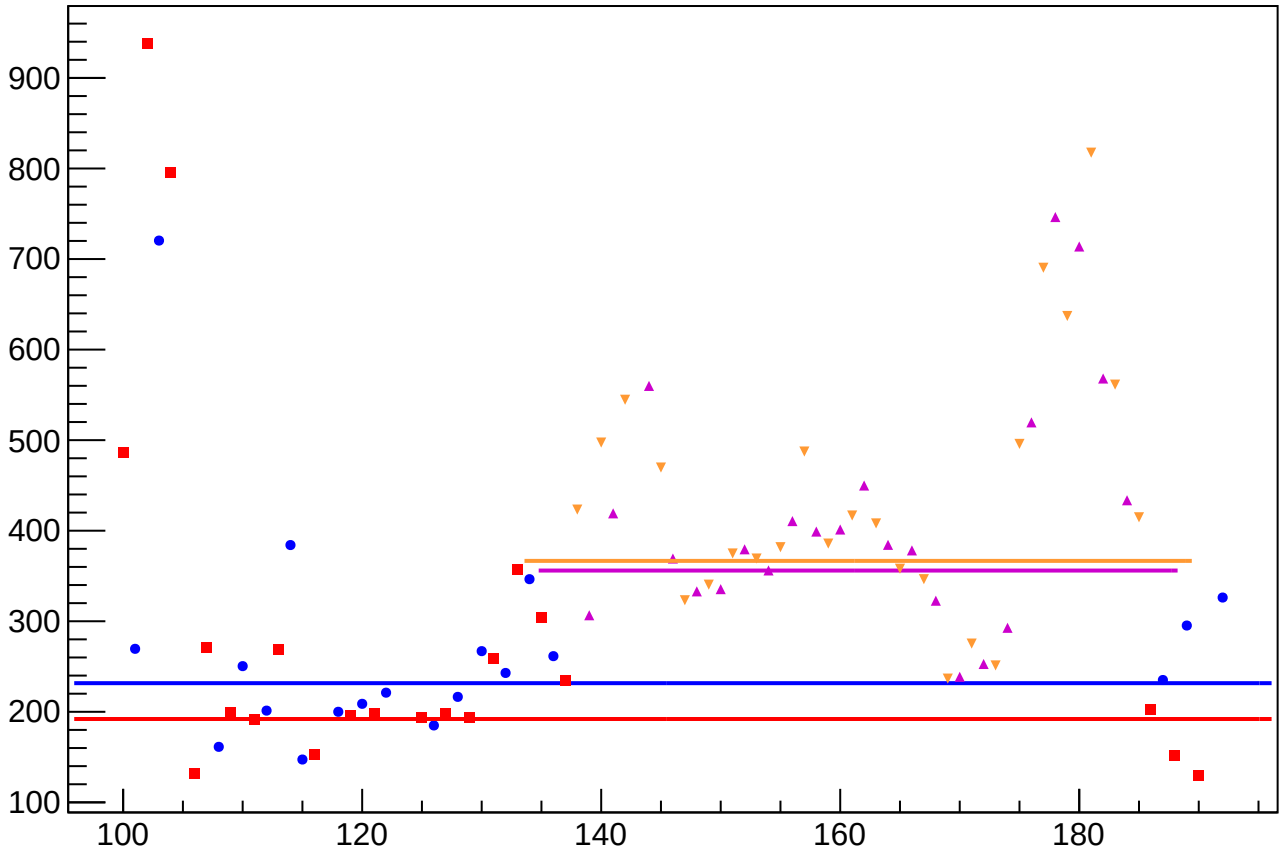
Right Out: 0.040+/-0.072 χ^2/NDF: 33.5/20

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.065+/-0.061 χ^2/NDF: 49.7/42

All: 0.001+/-0.041 χ^2/NDF: 115.8/86

- sign 0.056+/-0.056 χ^2/NDF: 64.0/43



Right In: 231.624+/-0.059 χ^2/NDF: 1235871.3/18

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

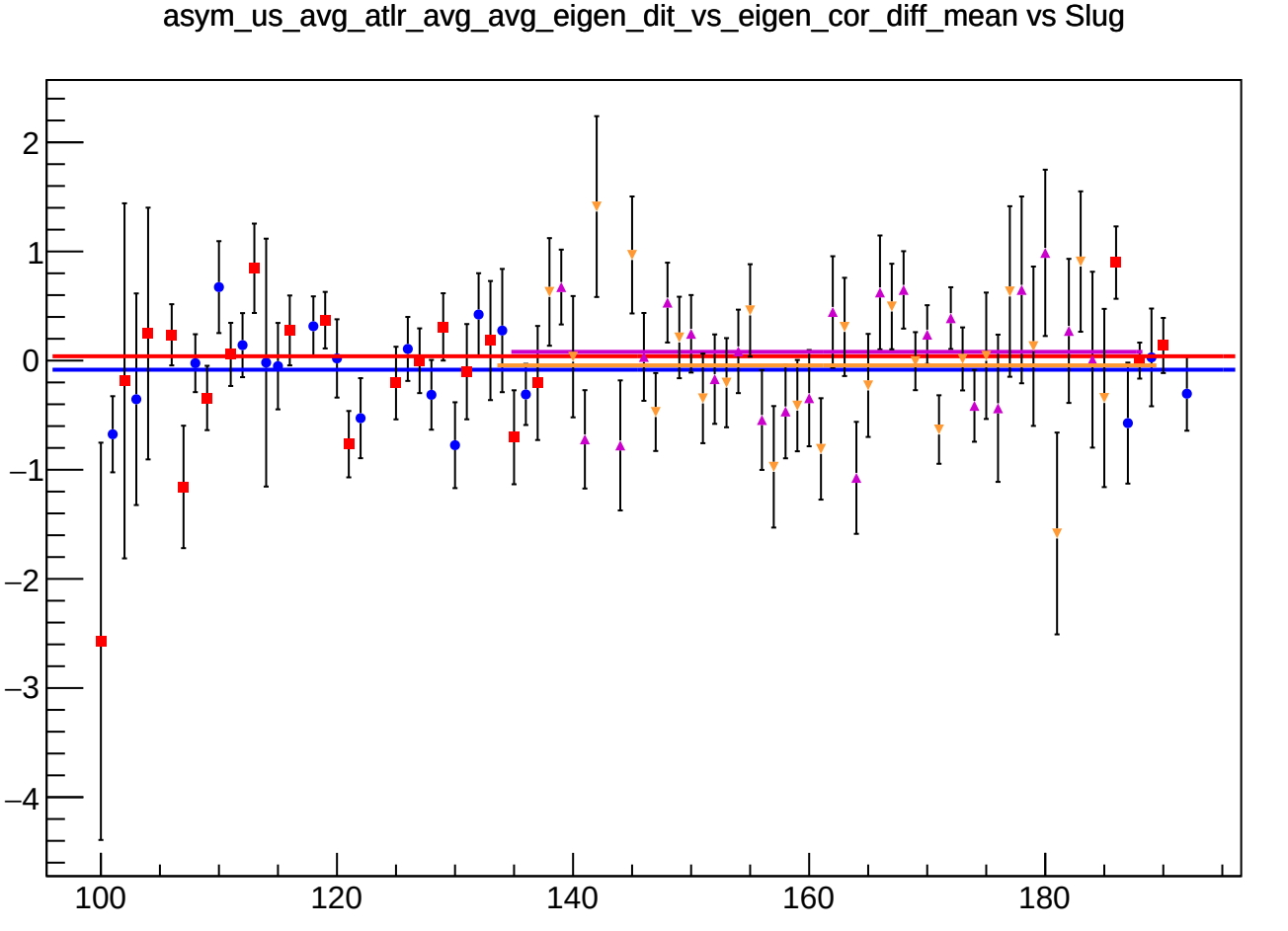
Right Out: 192.056+/-0.051 χ^2/NDF: 1877814.6/20

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 293.580+/-0.043 χ^2/NDF: 6489804.5/42

All: 274.167+/-0.029 χ^2/NDF: 15321314.6/86

- sign 258.115+/-0.039 χ^2/NDF: 8464695.9/43



Right In: -0.084+/-0.083 χ^2/NDF: 18.6/18

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

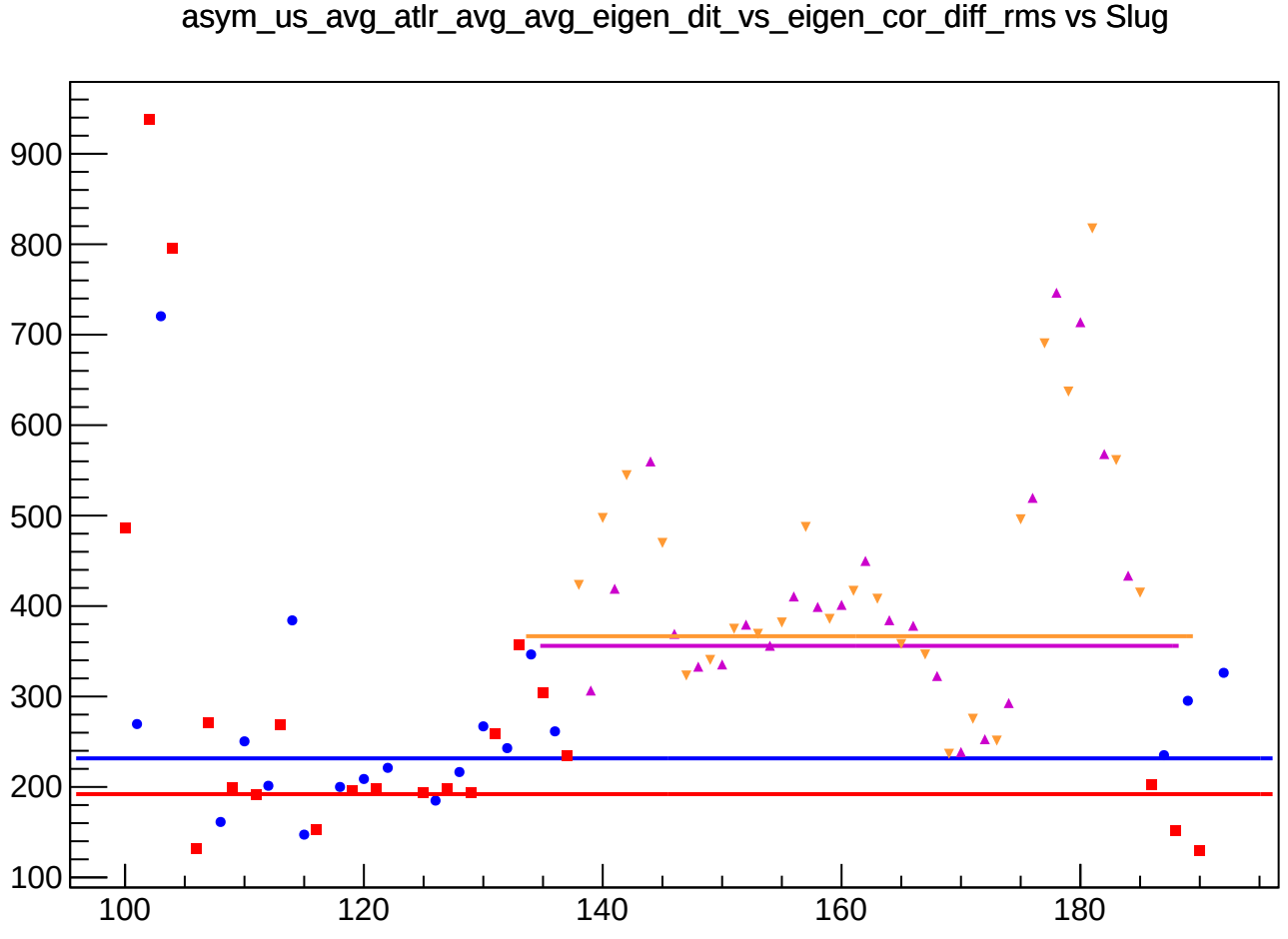
Right Out: 0.040+/-0.072 χ^2/NDF: 33.5/20

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.065+/-0.061 χ^2/NDF: 49.7/42

All: 0.001+/-0.041 χ^2/NDF: 115.8/86

- sign 0.056+/-0.056 χ^2/NDF: 64.0/43



Right In: 231.624+/-0.059 χ^2/NDF: 1235871.3/18

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

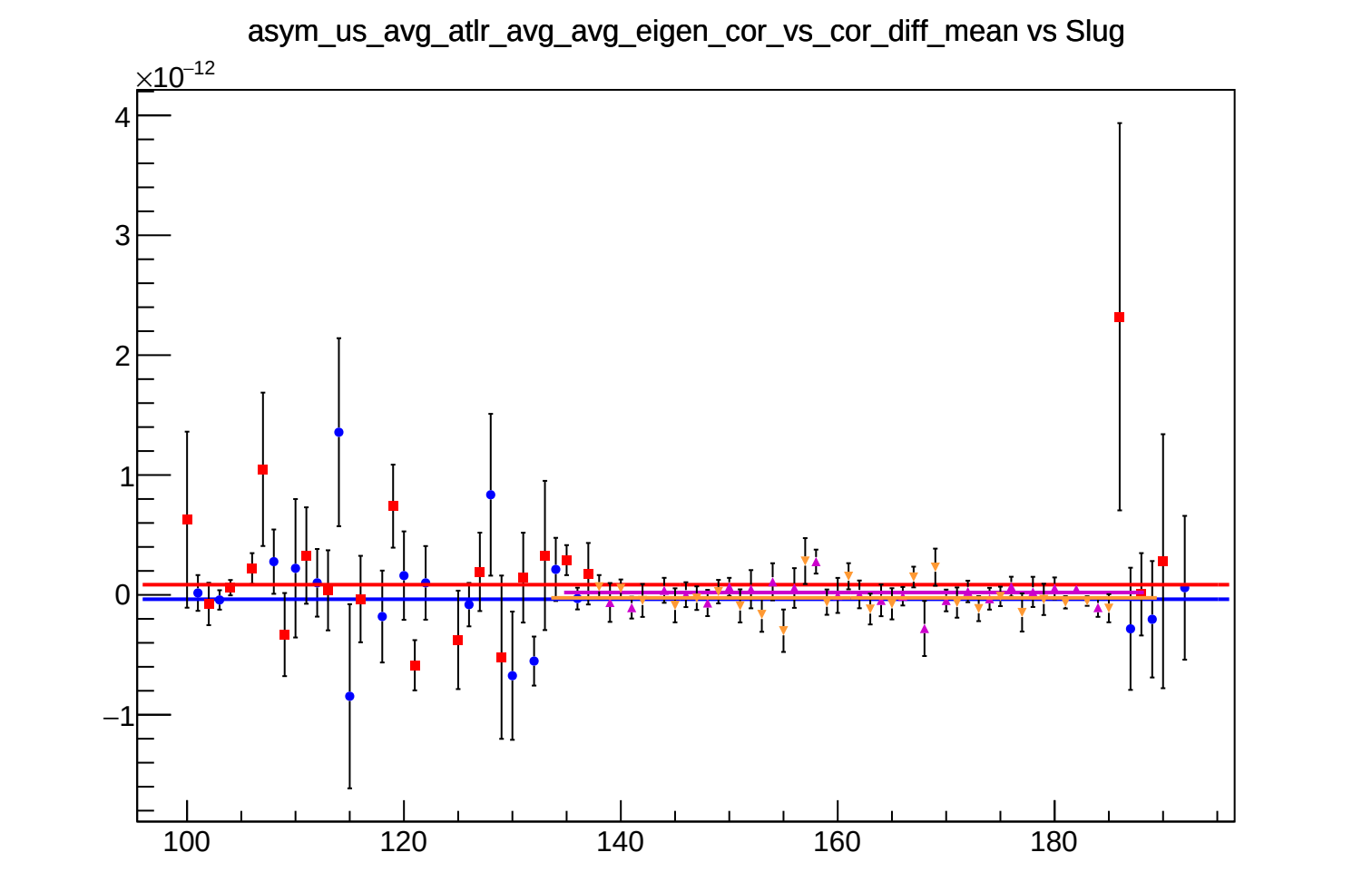
Right Out: 192.056+/-0.051 χ^2/NDF: 1877814.6/20

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 293.580+/-0.043 χ^2/NDF: 6489804.5/42

All: 274.167+/-0.029 χ^2/NDF: 15321314.6/86

- sign 258.115+/-0.039 χ^2/NDF: 8464695.9/43



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

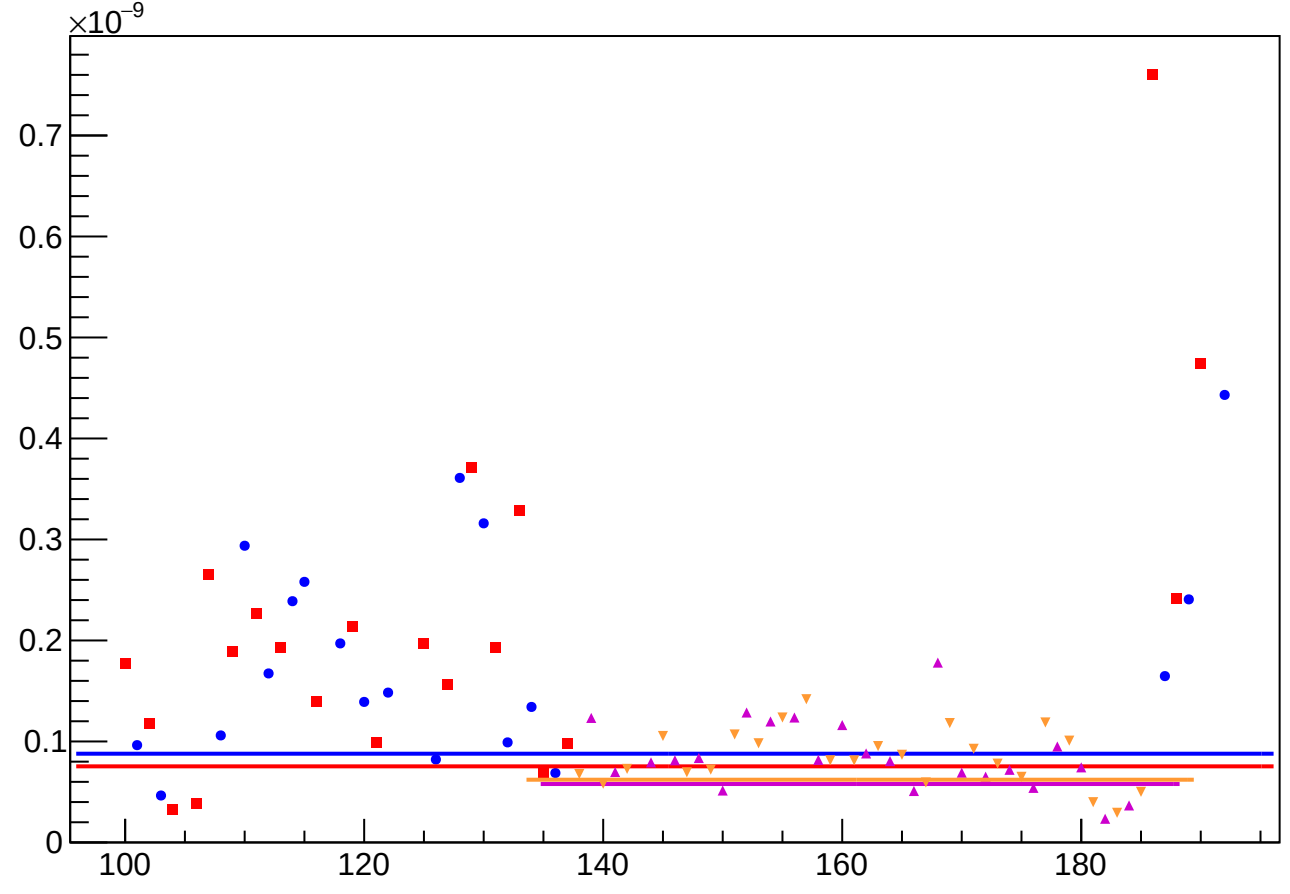
Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/20

Left In: 0.000+/-0.000 χ^2/NDF:17.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.6/42

All: 0.000+/-0.000 χ^2/NDF: 91.7/86

- sign 0.000+/-0.000 χ^2/NDF: 46.9/43



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

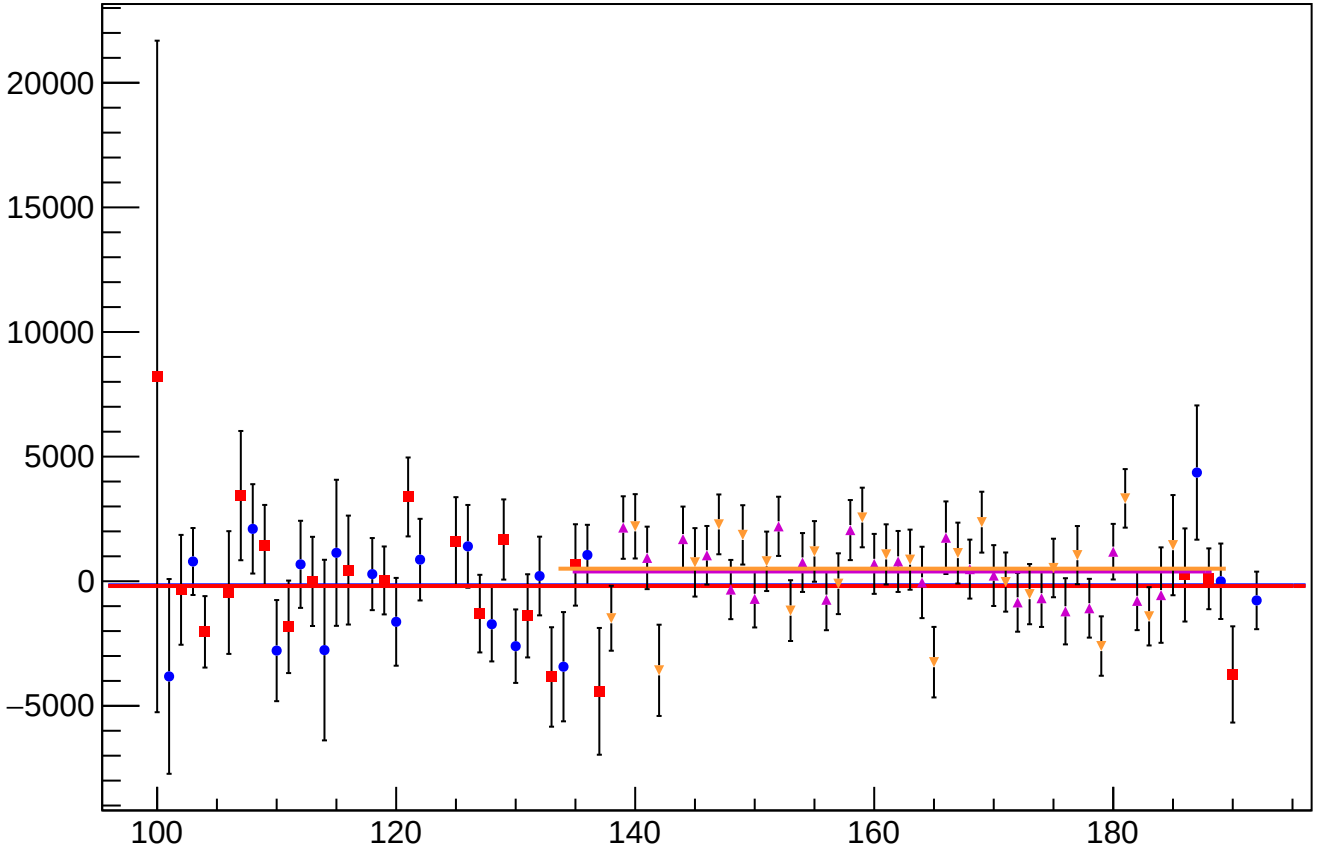
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7820158.1/42

All: 0.000+/-0.000 χ^2/NDF: 18572286.6/86

- sign 0.000+/-0.000 χ^2/NDF: 10655586.4/43

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



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

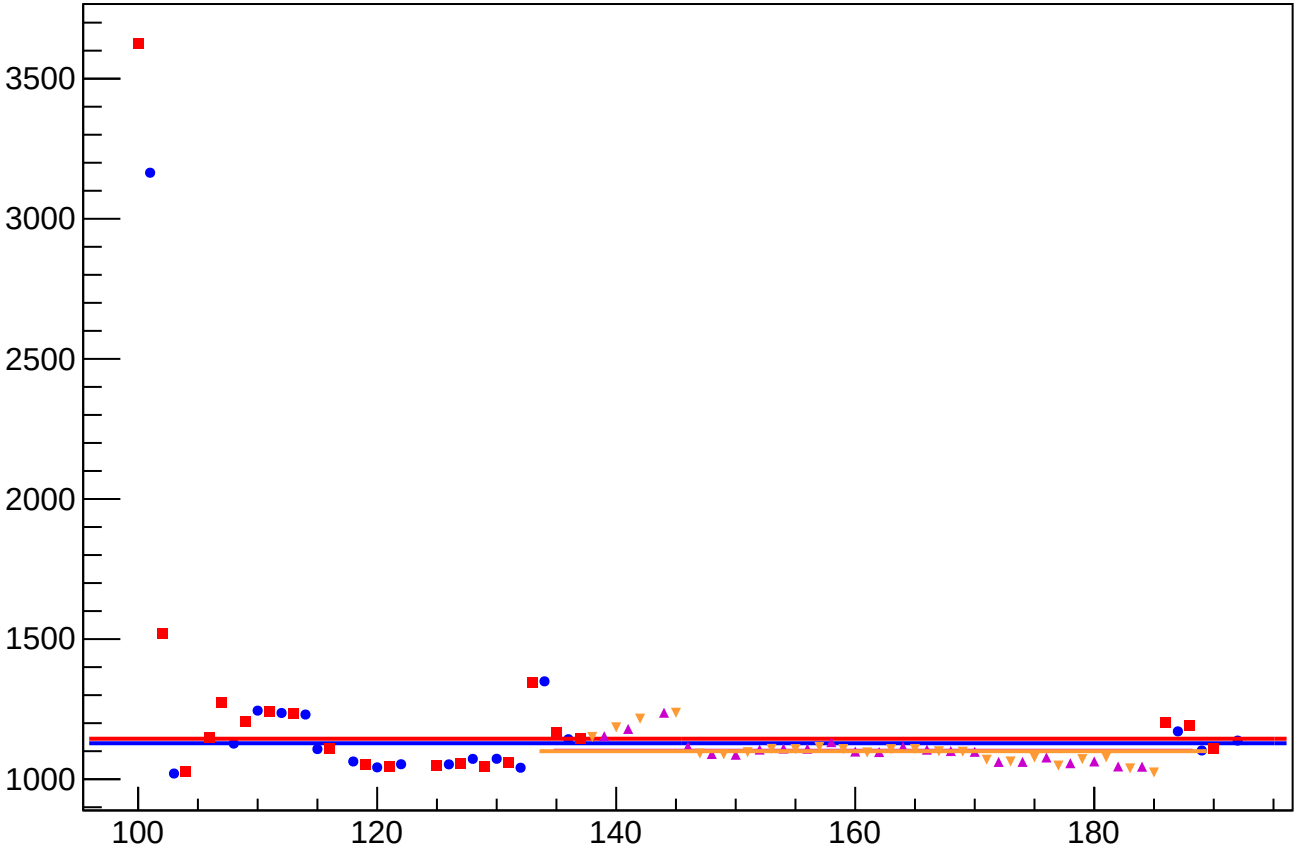
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 299.249+/-212.867 χ^2/NDF: 64.5/42

All: 256.819+/-151.135 χ^2/NDF: 108.2/86

- sign 213.688+/-214.617 χ^2/NDF: 43.6/43

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.326+/-0.272 χ^2/NDF: 622608.6/18

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

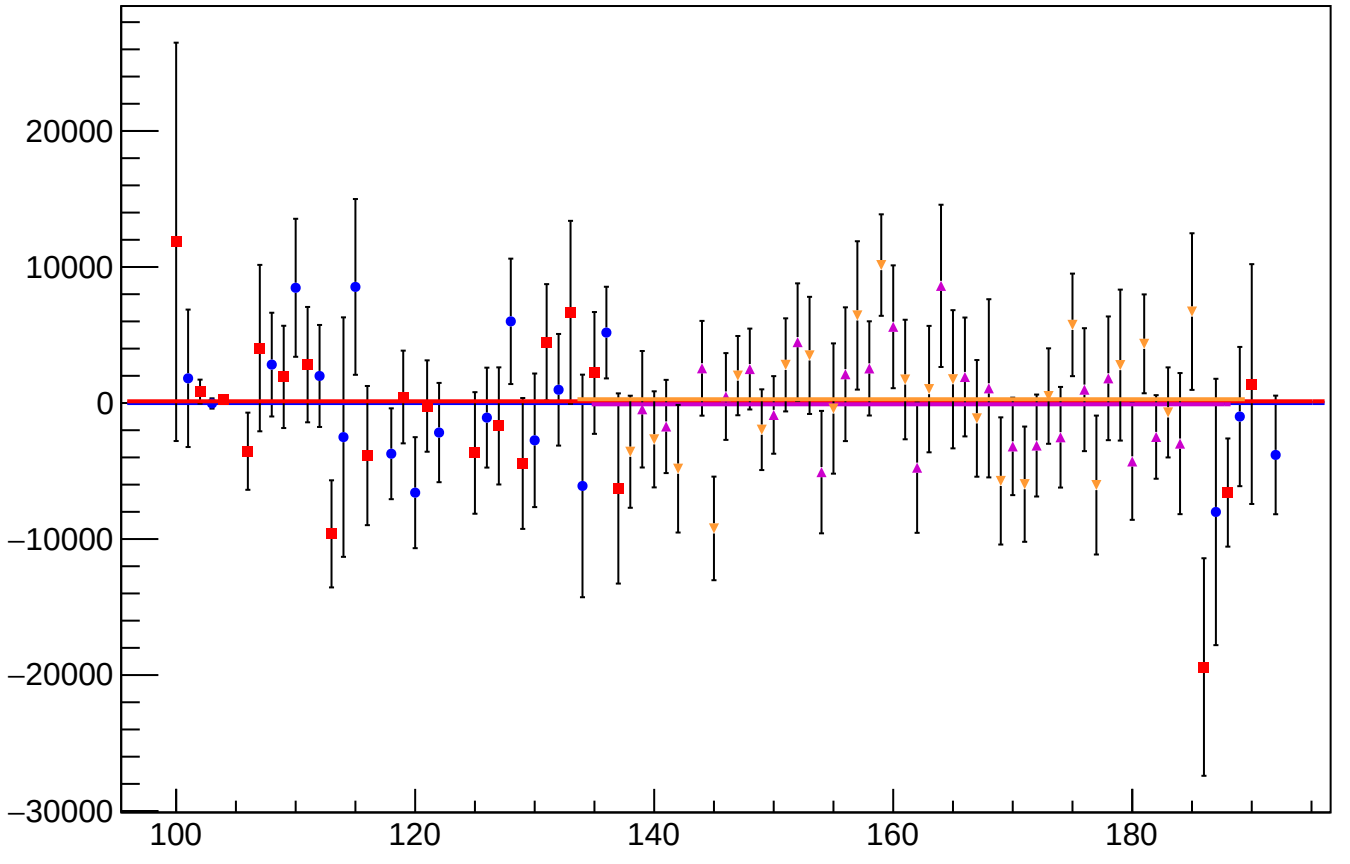
Right Out: 1144.464+/-0.275 χ^2/NDF: 226321.5/20

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1108.713+/-0.151 χ^2/NDF: 688830.4/42

All: 1111.653+/-0.107 χ^2/NDF: 985059.8/86

- sign 1114.640+/-0.152 χ^2/NDF: 295460.3/43



Right In: -2.884+/-355.359 χ^2/NDF: 16.3/18

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

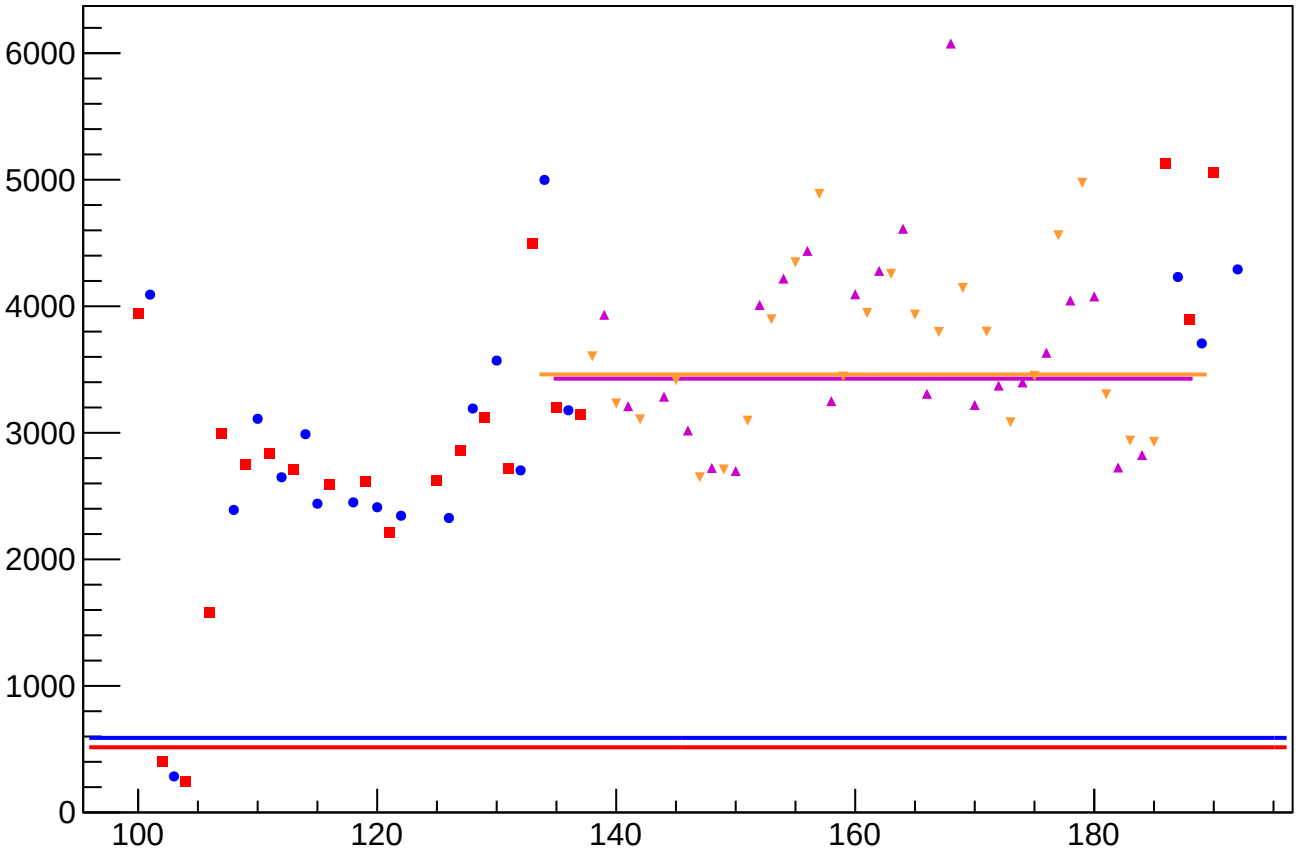
Right Out: 127.421+/-321.017 χ^2/NDF: 24.5/20

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 41.403+/-326.089 χ^2/NDF: 46.3/42

All: 72.020+/-220.297 χ^2/NDF: 84.6/86

- sign 97.724+/-298.791 χ^2/NDF: 38.2/43



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

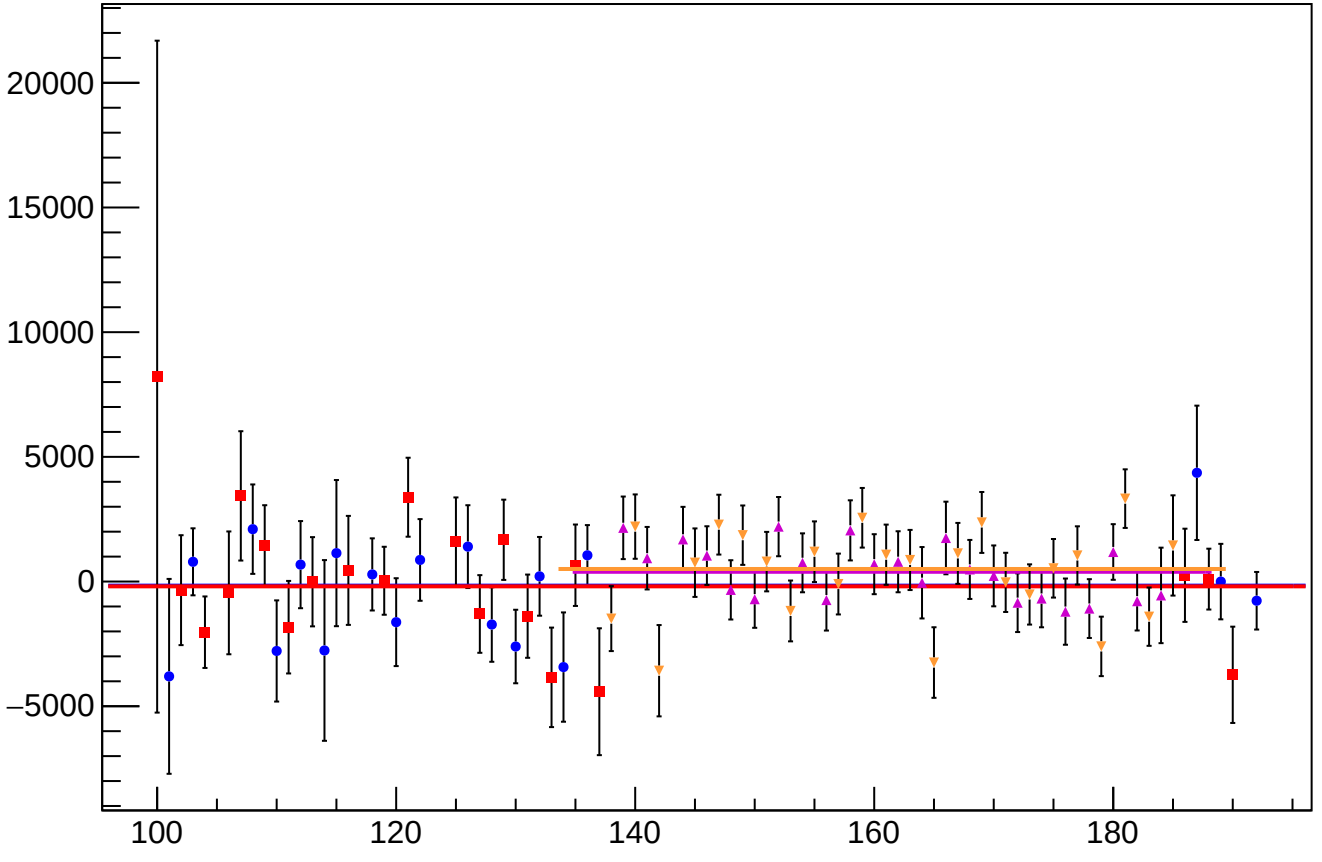
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1042.938+/-0.231 χ^2/NDF: 33866294.1/42

All: 967.647+/-0.156 χ^2/NDF: 69169700.6/86

- sign 904.434+/-0.211 χ^2/NDF: 35107267.1/43

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



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

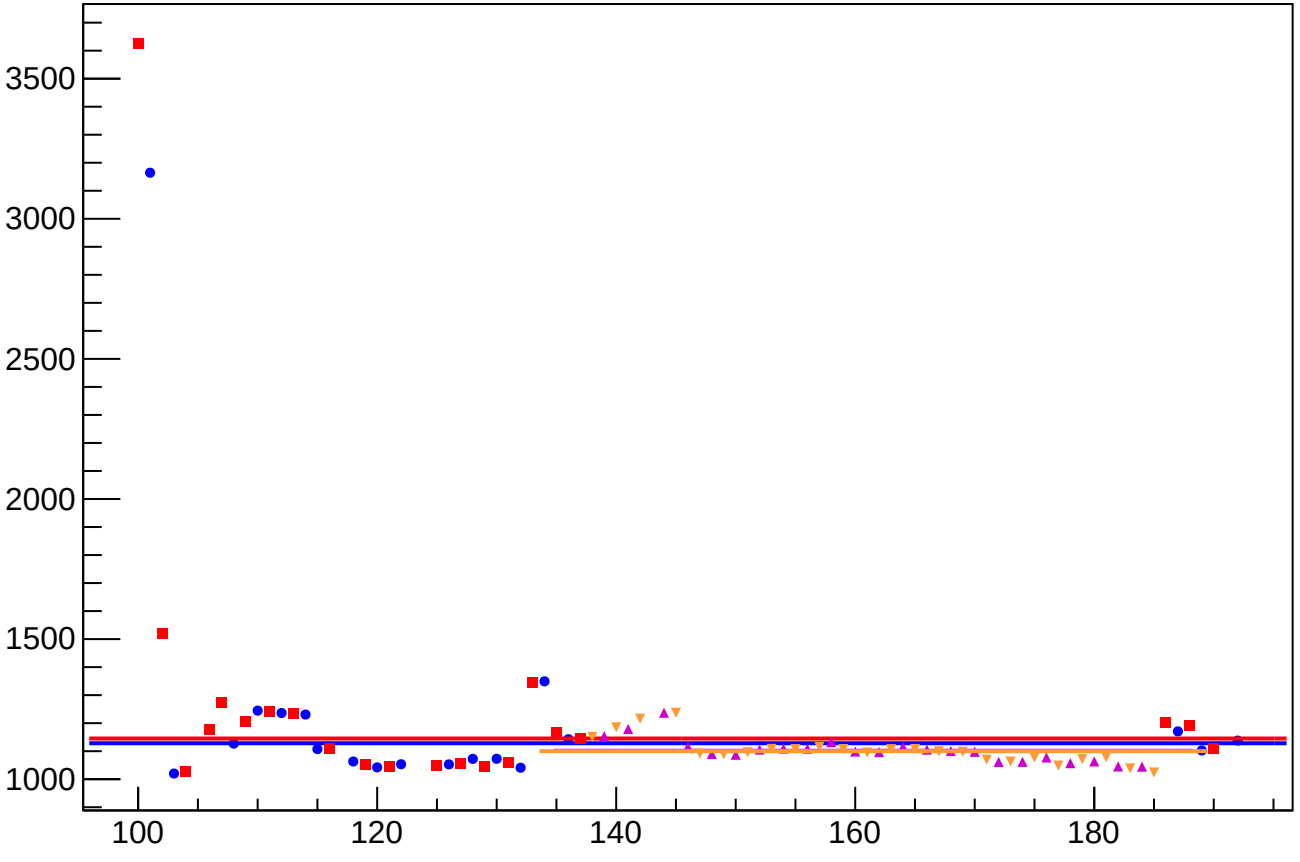
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 299.351+/-212.867 χ^2/NDF: 64.5/42

All: 256.848+/-151.135 χ^2/NDF: 108.2/86

- sign 213.643+/-214.617 χ^2/NDF: 43.6/43

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.326+/-0.272 χ^2/NDF: 622609.8/18

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

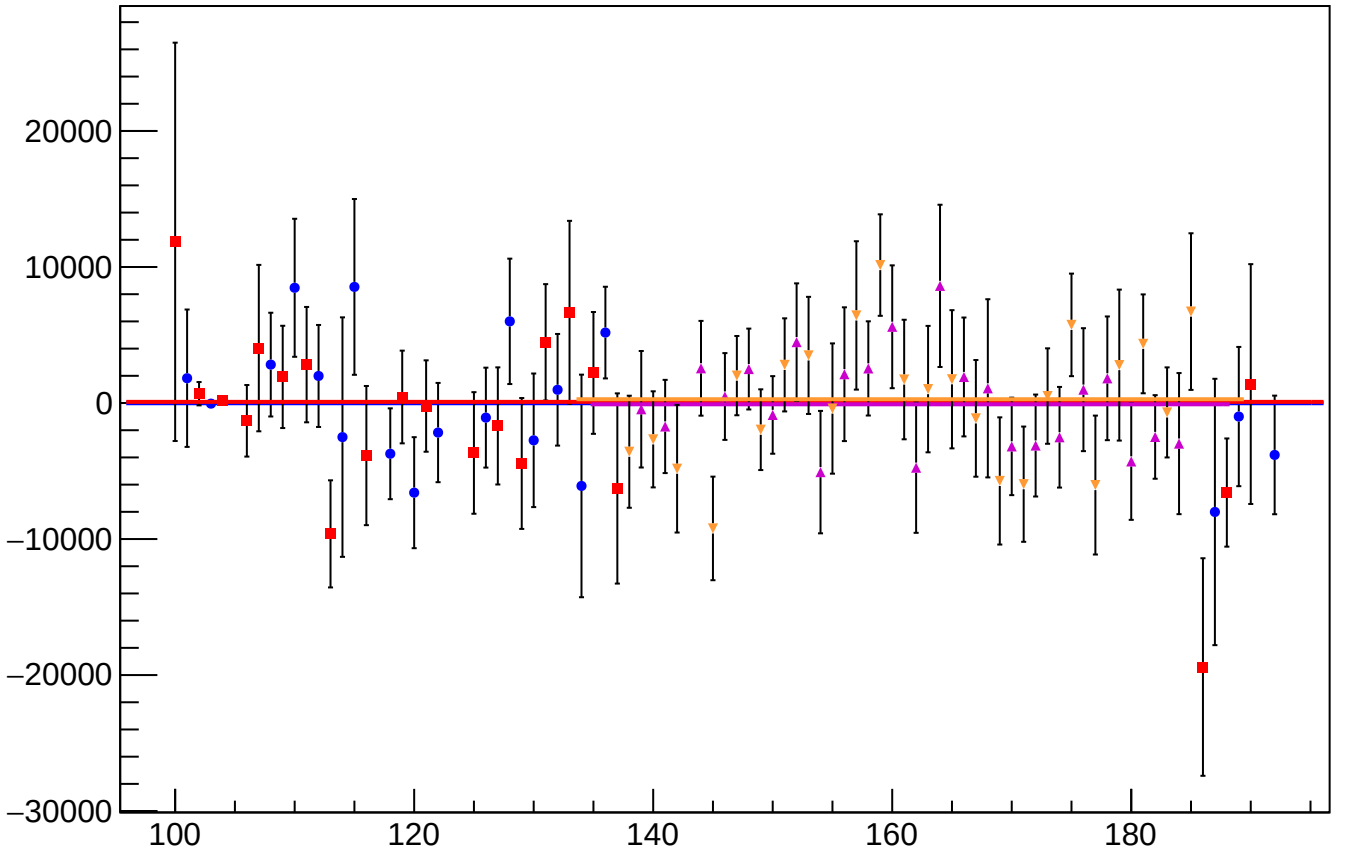
Right Out: 1145.260+/-0.275 χ^2/NDF: 226706.3/20

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1108.713+/-0.151 χ^2/NDF: 688831.4/42

All: 1111.764+/-0.107 χ^2/NDF: 986115.5/86

\- sign 1114.864+/-0.152 χ^2/NDF: 296455.9/43



Right In: -16.410+/-342.475 χ^2/NDF: 16.3/18

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

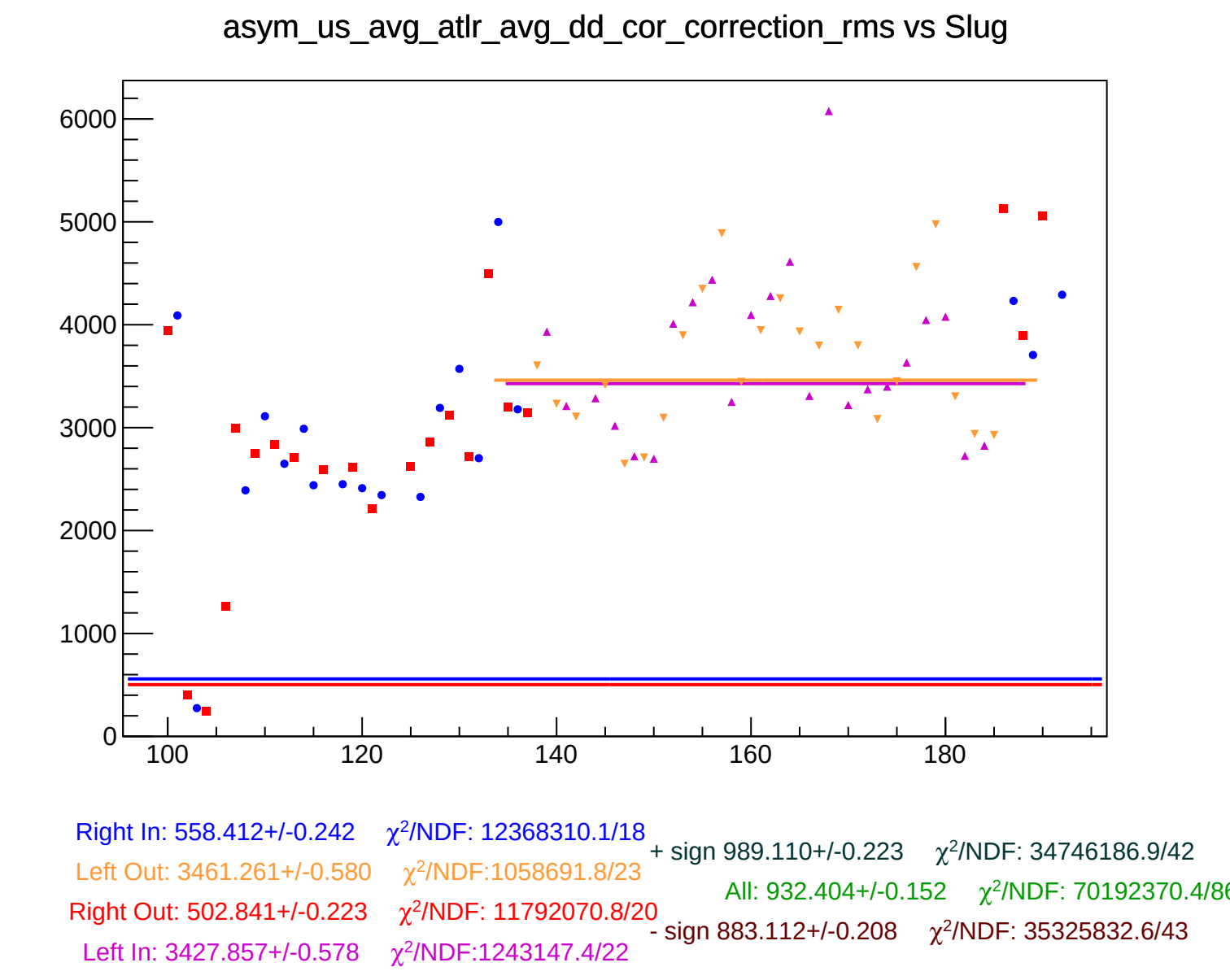
Right Out: 84.768+/-315.911 χ^2/NDF: 22.8/20

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

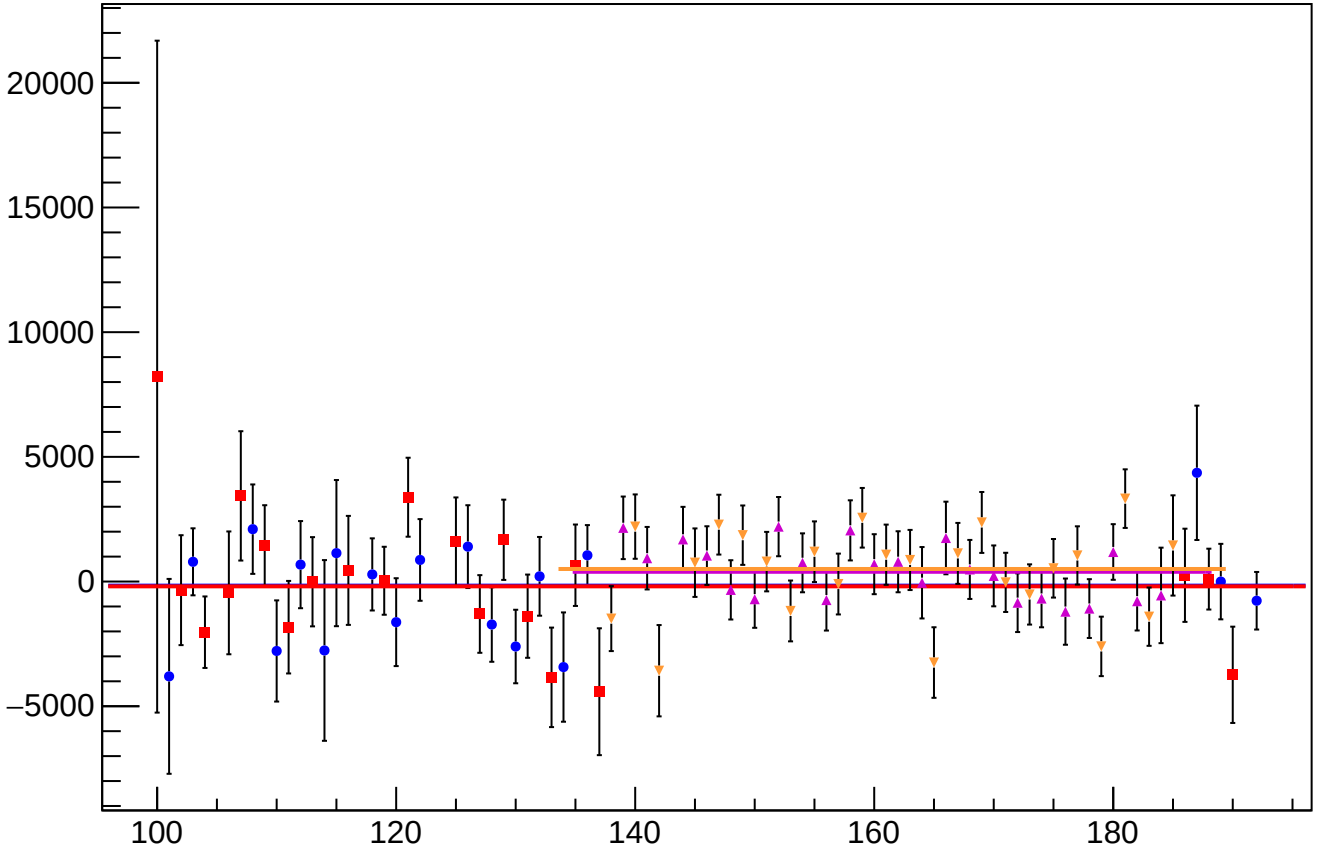
+ sign 27.203+/-316.048 χ^2/NDF: 46.3/42

All: 45.514+/-215.522 χ^2/NDF: 82.9/86

- sign 61.431+/-294.661 χ^2/NDF: 36.5/43


asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug
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
+ sign 989.110+/-0.223 χ²/NDF: 34746186.9/42
All: 932.404+/-0.152 χ²/NDF: 70192370.4/86
- sign 883.112+/-0.208 χ²/NDF: 35325832.6/43

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



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

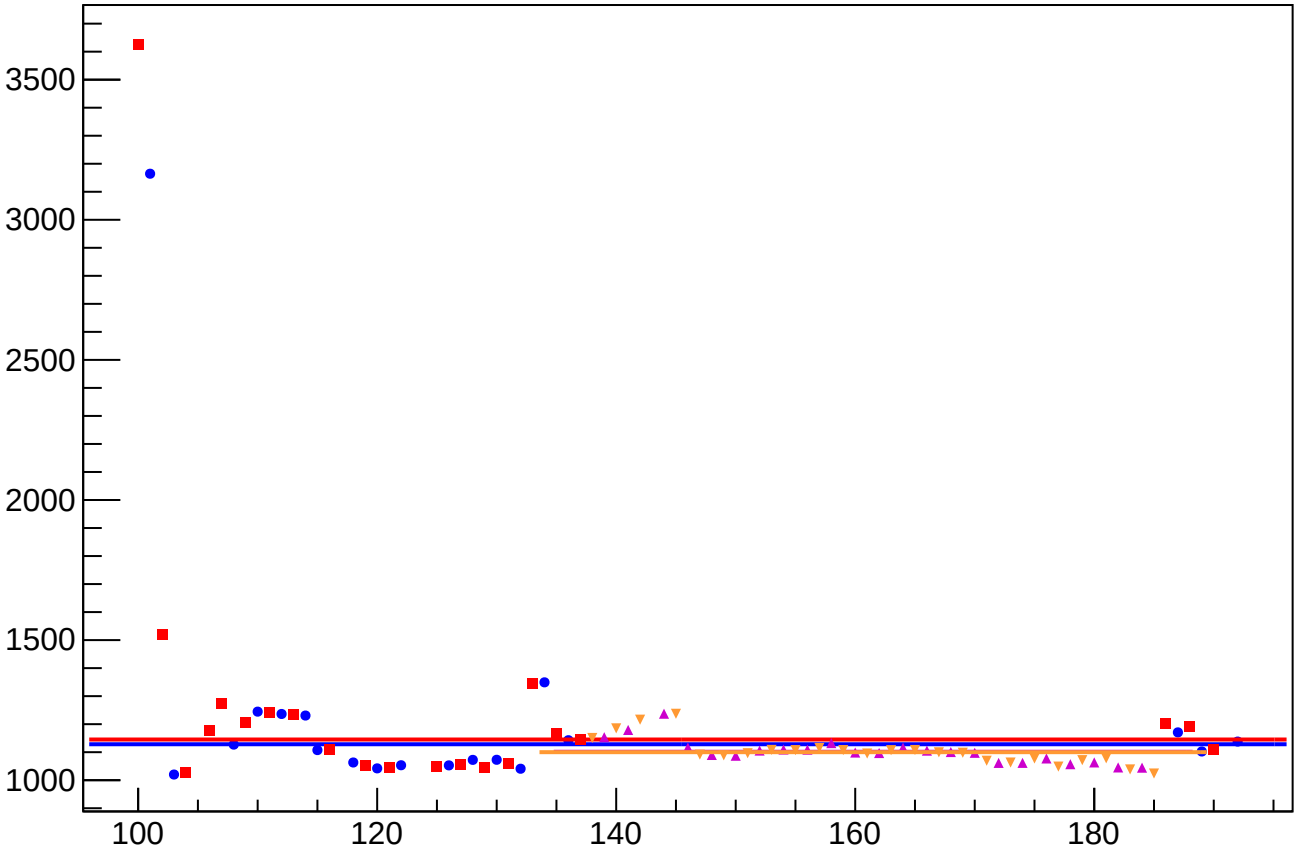
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 299.351+/-212.867 χ^2/NDF: 64.5/42

All: 256.848+/-151.135 χ^2/NDF: 108.2/86

- sign 213.643+/-214.617 χ^2/NDF: 43.6/43

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1128.326+/-0.272 χ^2/NDF: 622609.8/18

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

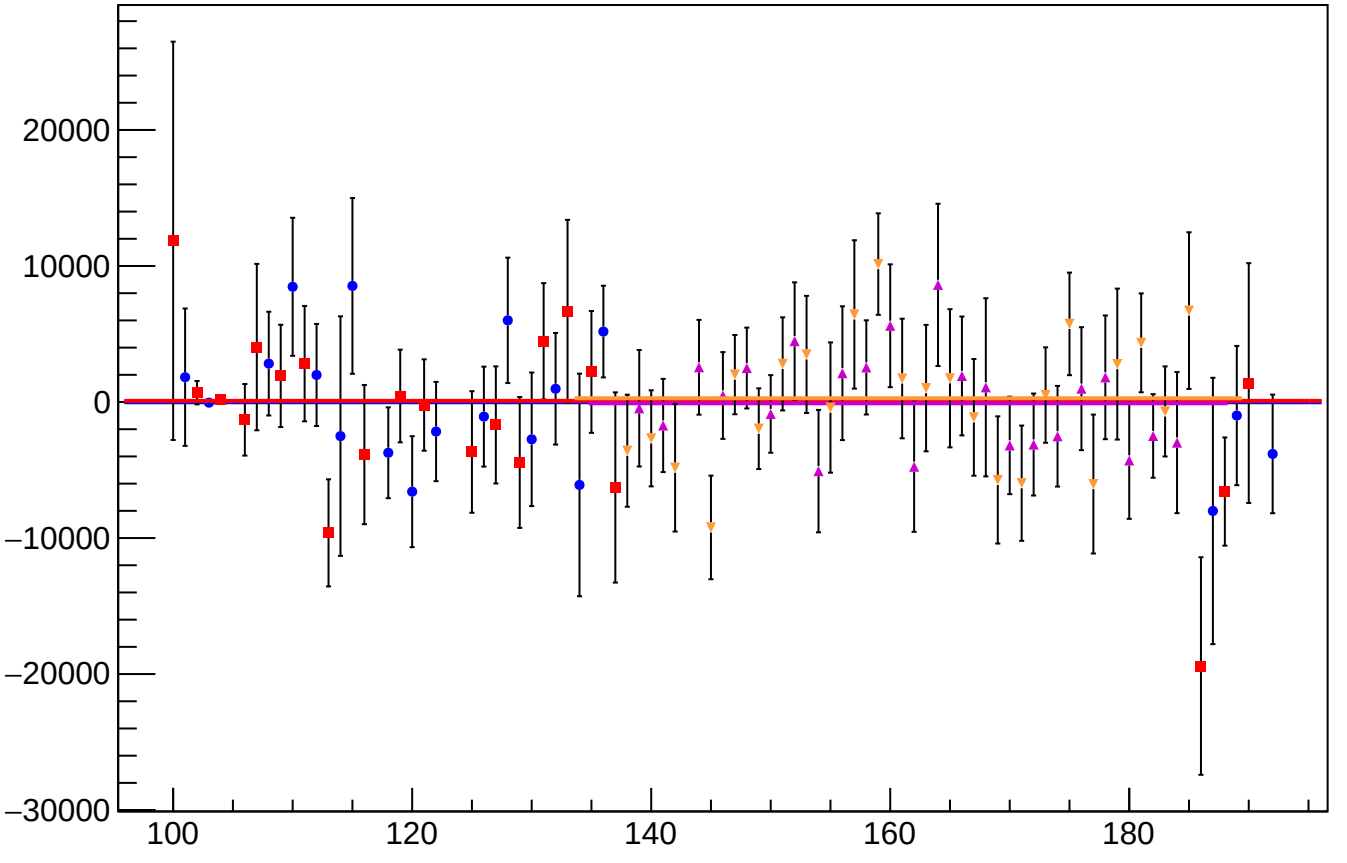
Right Out: 1145.260+/-0.275 χ^2/NDF: 226706.3/20

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1108.713+/-0.151 χ^2/NDF: 688831.4/42

All: 1111.764+/-0.107 χ^2/NDF: 986115.5/86

- sign 1114.864+/-0.152 χ^2/NDF: 296455.9/43



Right In: -16.410+/-342.475 χ^2/NDF: 16.3/18

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

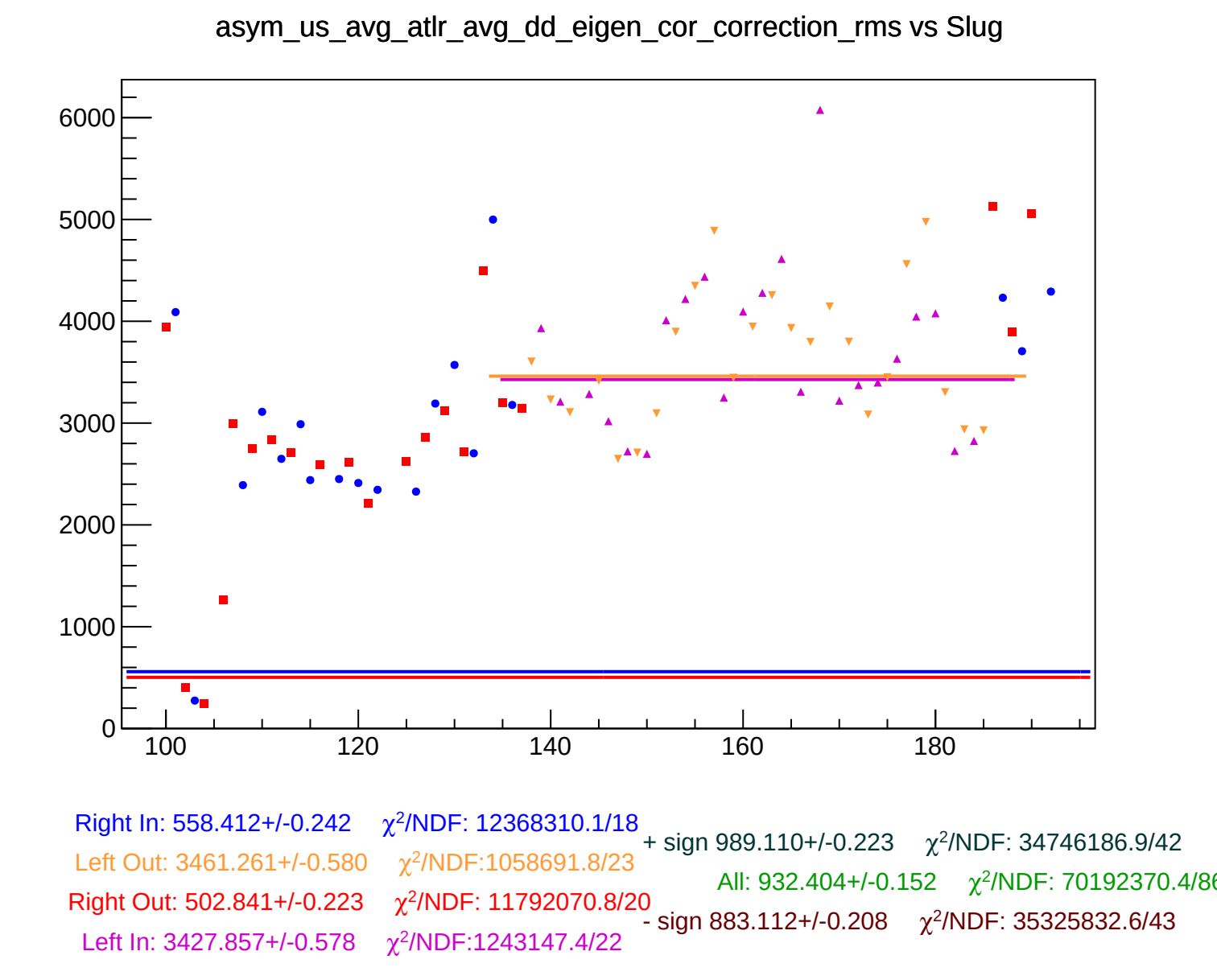
Right Out: 84.768+/-315.911 χ^2/NDF: 22.8/20

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

\+ sign 27.203+/-316.048 χ^2/NDF: 46.3/42

All: 45.514+/-215.522 χ^2/NDF: 82.9/86

\- sign 61.431+/-294.661 χ^2/NDF: 36.5/43


asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug
6000
5000
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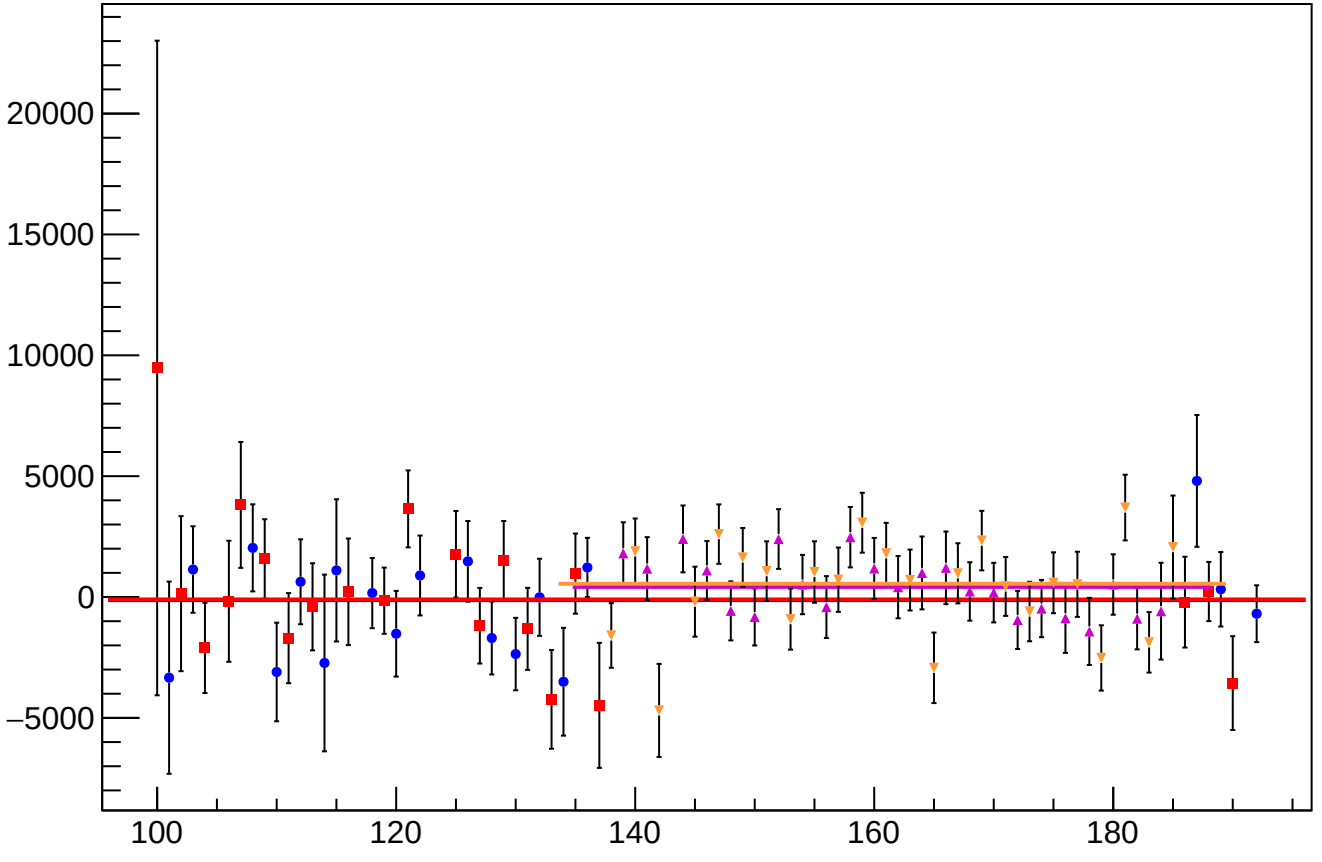
160
180
Right In: 558.412+/-0.242 χ²/NDF: 12368310.1/18
Left Out: 3461.261+/-0.580 χ²/NDF:1058691.8/23
Right Out: 502.841+/-0.223 χ²/NDF: 11792070.8/20
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
+ sign 989.110+/-0.223 χ²/NDF: 34746186.9/42
All: 932.404+/-0.152 χ²/NDF: 70192370.4/86
- sign 883.112+/-0.208 χ²/NDF: 35325832.6/43

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



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

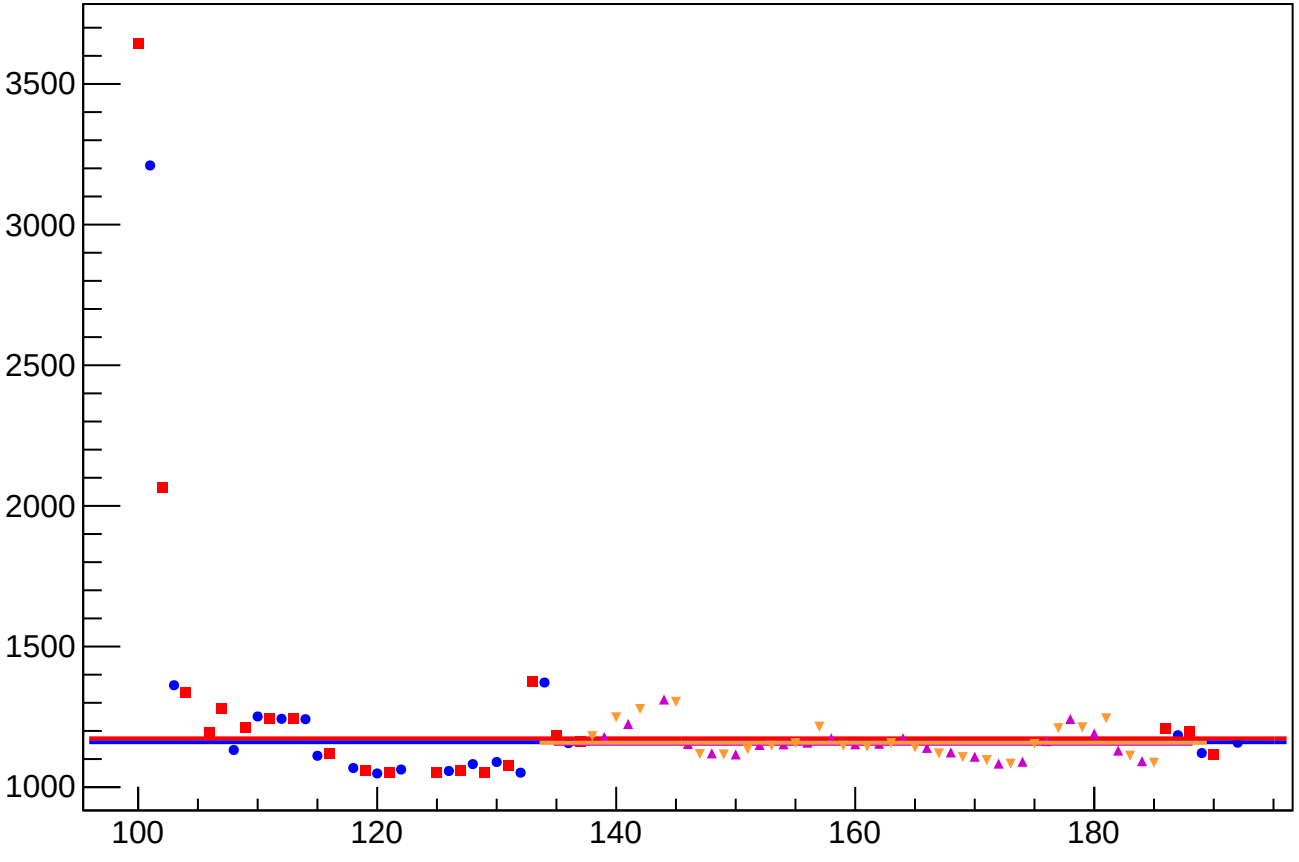
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 336.577+/-222.599 χ^2/NDF: 65.2/42

All: 297.769+/-157.851 χ^2/NDF: 109.4/86

- sign 258.515+/-223.876 χ^2/NDF: 44.2/43

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1160.025+/-0.280 χ^2/NDF: 636867.0/18

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

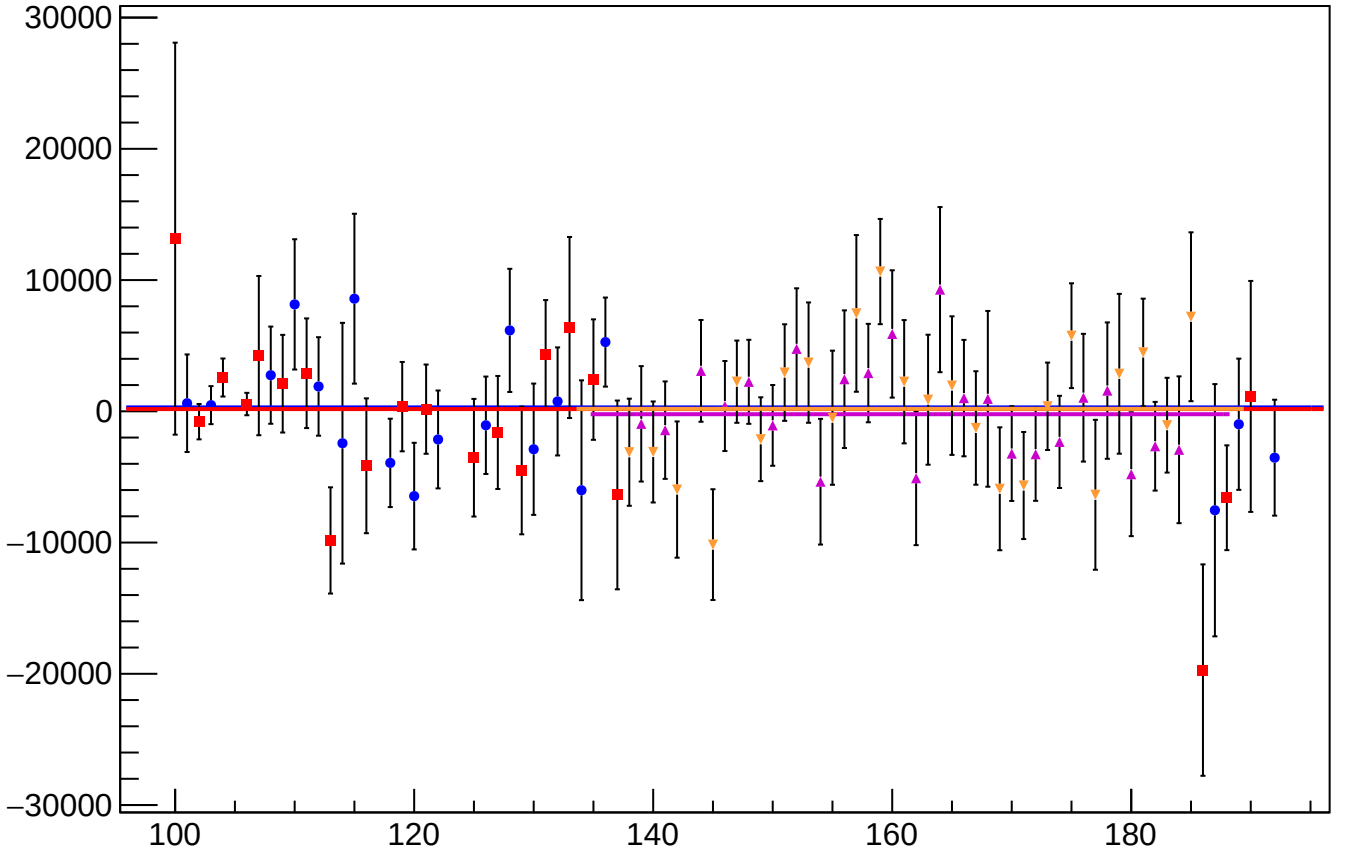
Right Out: 1173.564+/-0.284 χ^2/NDF: 334853.3/20

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1158.761+/-0.157 χ^2/NDF: 721008.5/42

All: 1159.505+/-0.112 χ^2/NDF: 1125584.4/86

- sign 1160.257+/-0.158 χ^2/NDF: 404531.0/43



Right In: 298.323+/-841.899 χ^2/NDF: 16.0/18

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

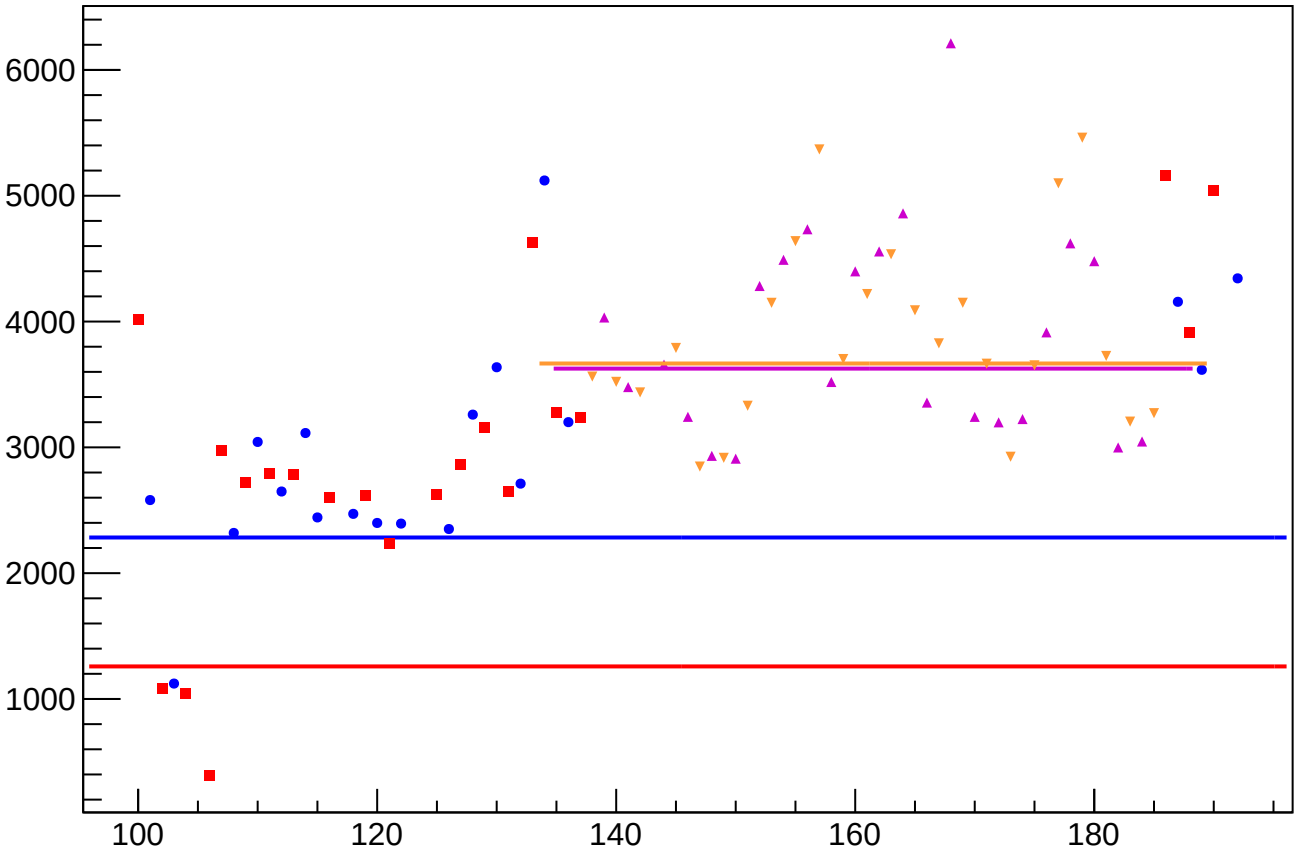
Right Out: 170.555+/-557.797 χ^2/NDF: 25.8/20

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 245.776+/-604.812 χ^2/NDF: 45.2/42

All: 126.844+/-370.499 χ^2/NDF: 84.6/86

- sign 55.406+/-468.745 χ^2/NDF: 39.3/43



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

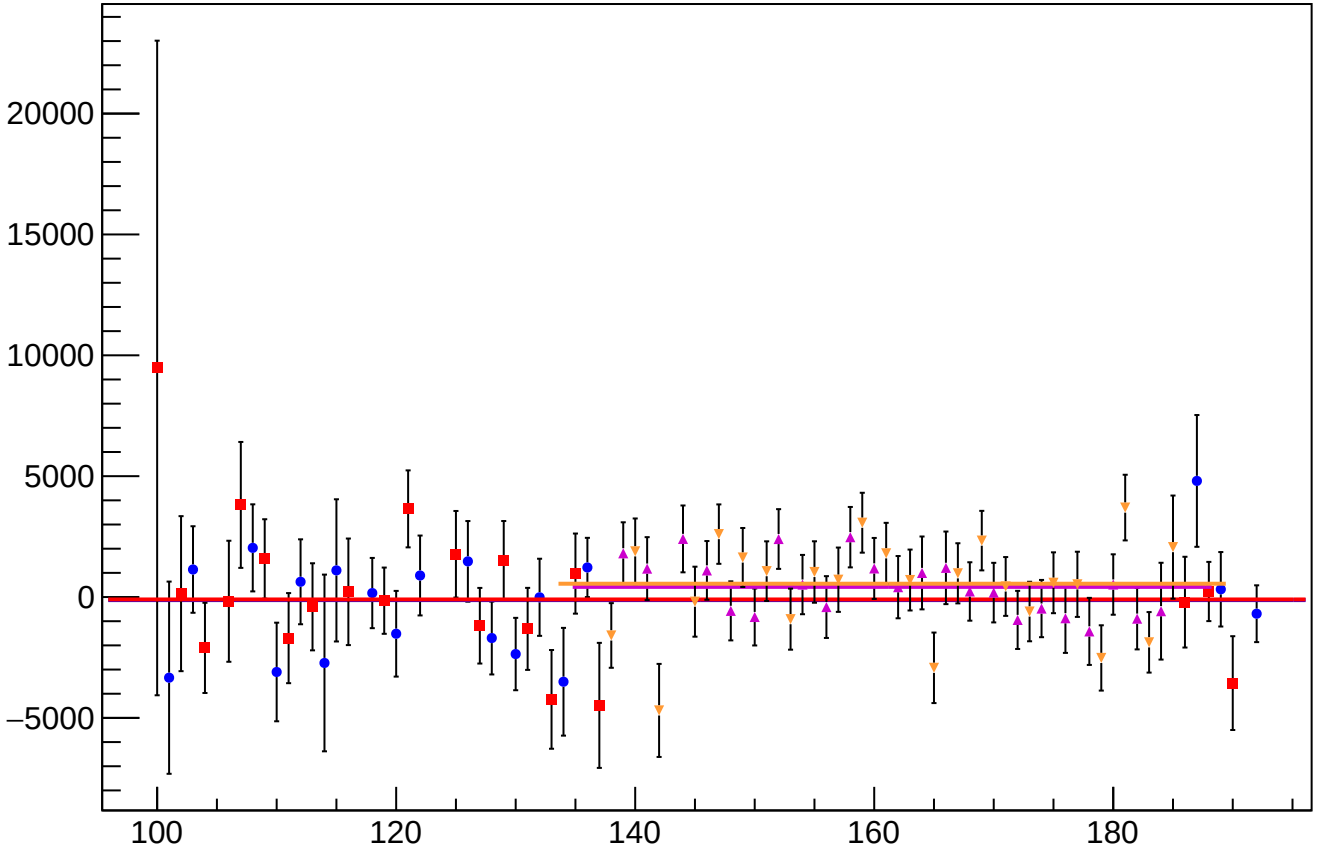
Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 2952.807+/-0.428 χ^2/NDF: 6384493.9/42

All: 2328.978+/-0.262 χ^2/NDF: 29219291.0/8

- sign 1954.266+/-0.331 χ^2/NDF: 19428986.9/43

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



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

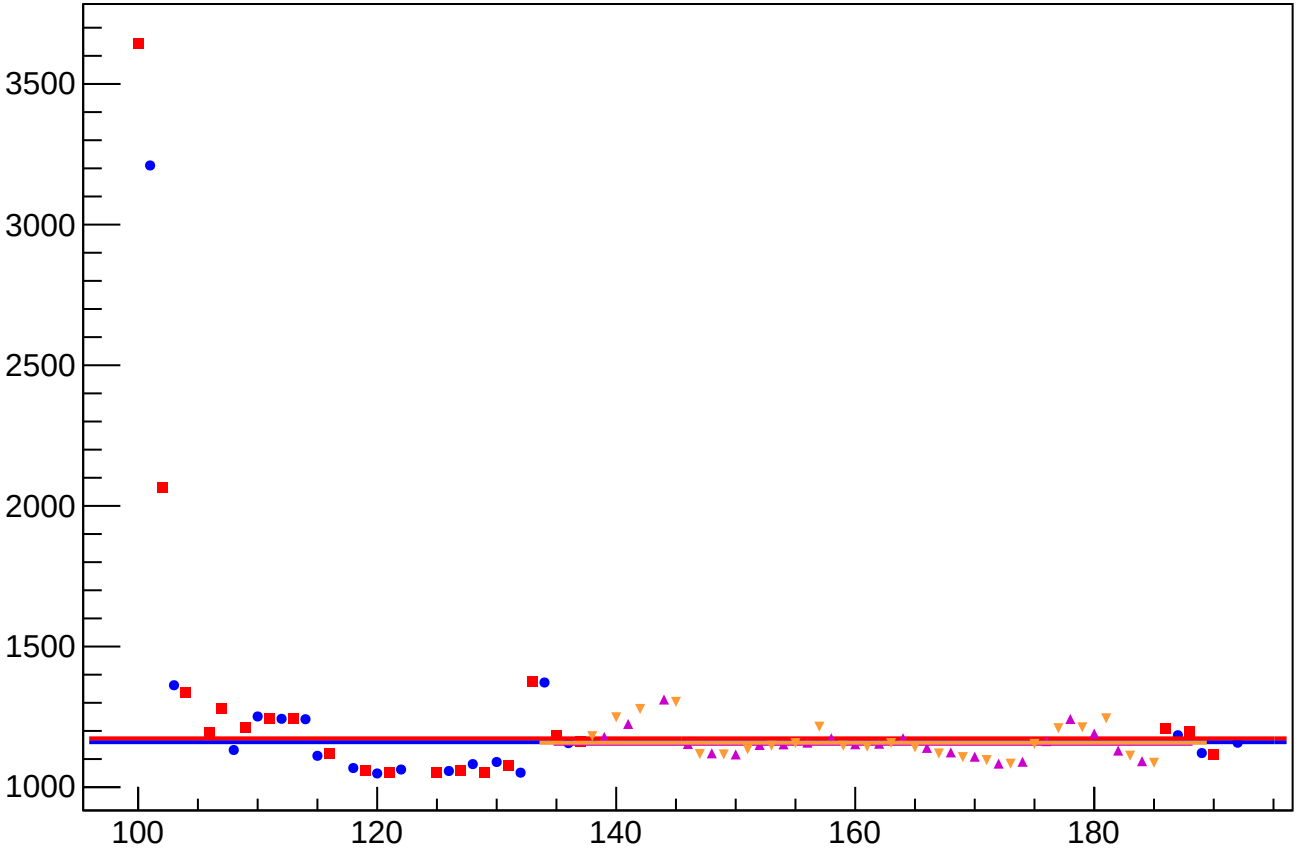
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 336.577+/-222.599 χ^2/NDF: 65.2/42

All: 297.770+/-157.851 χ^2/NDF: 109.4/86

- sign 258.515+/-223.876 χ^2/NDF: 44.2/43

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1160.024+/-0.280 χ^2/NDF: 636867.2/18

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

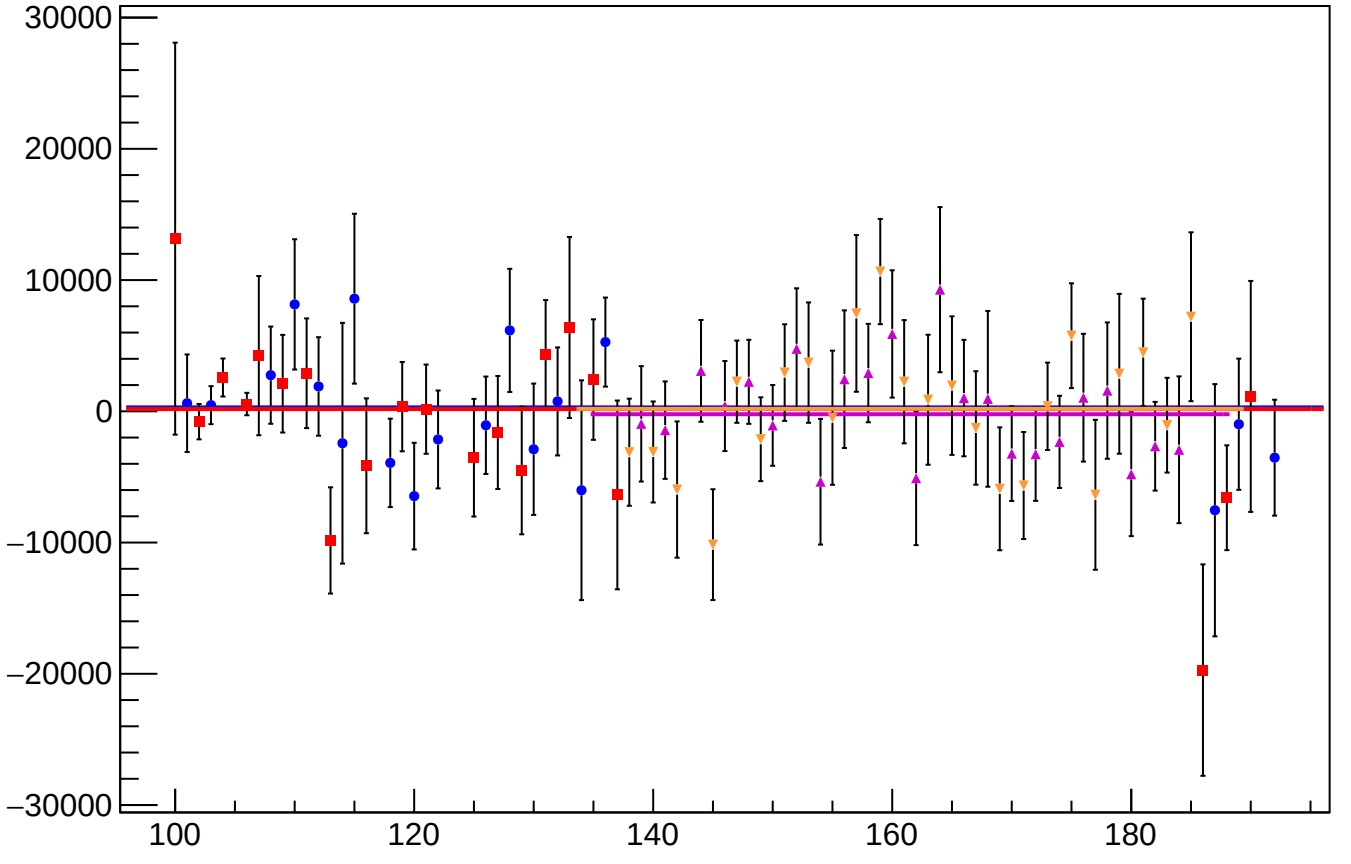
Right Out: 1173.564+/-0.284 χ^2/NDF: 334852.9/20

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1158.762+/-0.157 χ^2/NDF: 721011.2/42

All: 1159.505+/-0.112 χ^2/NDF: 1125588.8/86

- sign 1160.257+/-0.158 χ^2/NDF: 404532.7/43



Right In: 298.317+/-841.898 χ^2/NDF: 16.0/18

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

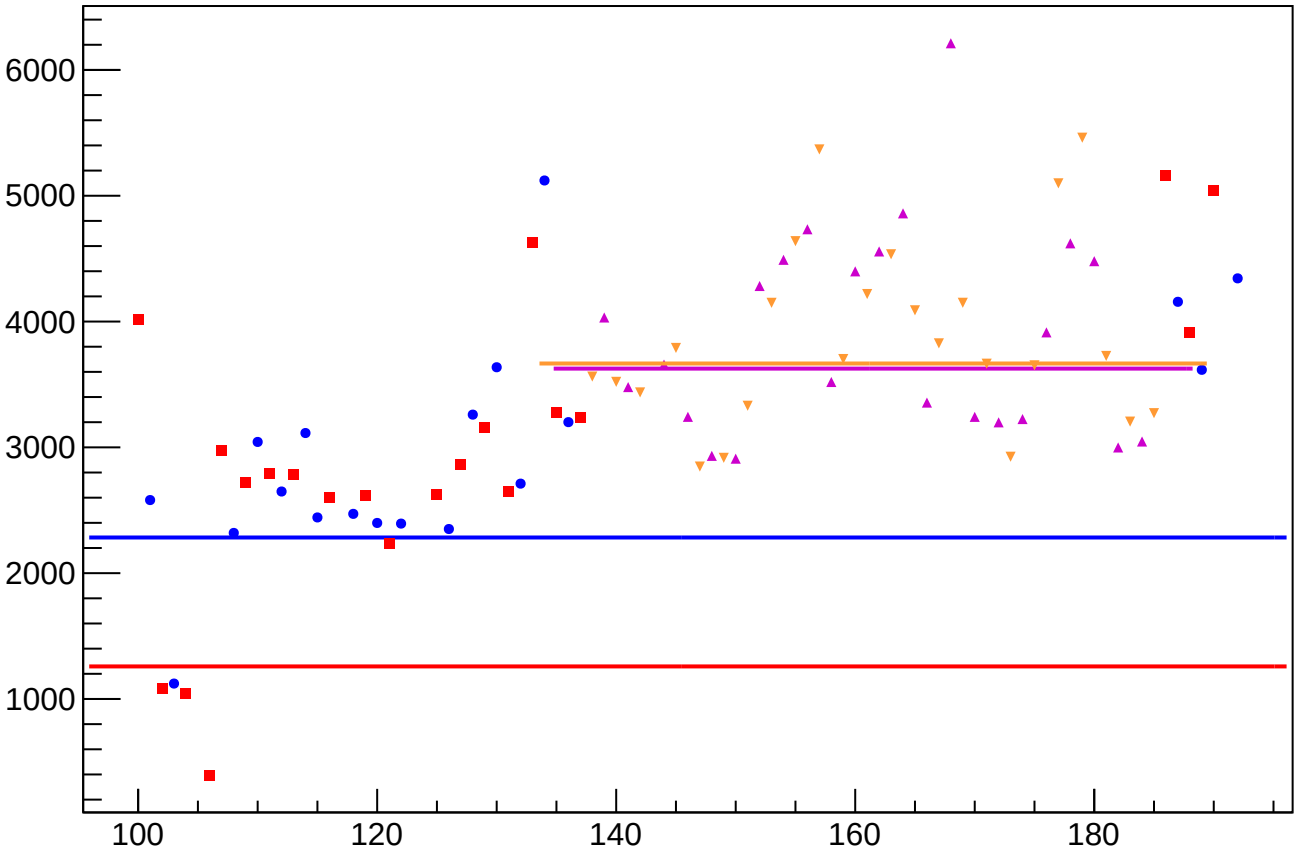
Right Out: 170.562+/-557.790 χ^2/NDF: 25.8/20

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 245.773+/-604.812 χ^2/NDF: 45.2/42

All: 126.846+/-370.497 χ^2/NDF: 84.6/86

- sign 55.412+/-468.742 χ^2/NDF: 39.3/43



Right In: 2283.565+/-0.595 χ^2/NDF: 2677083.0/18

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1258.741+/-0.394 χ^2/NDF: 7588295.2/20

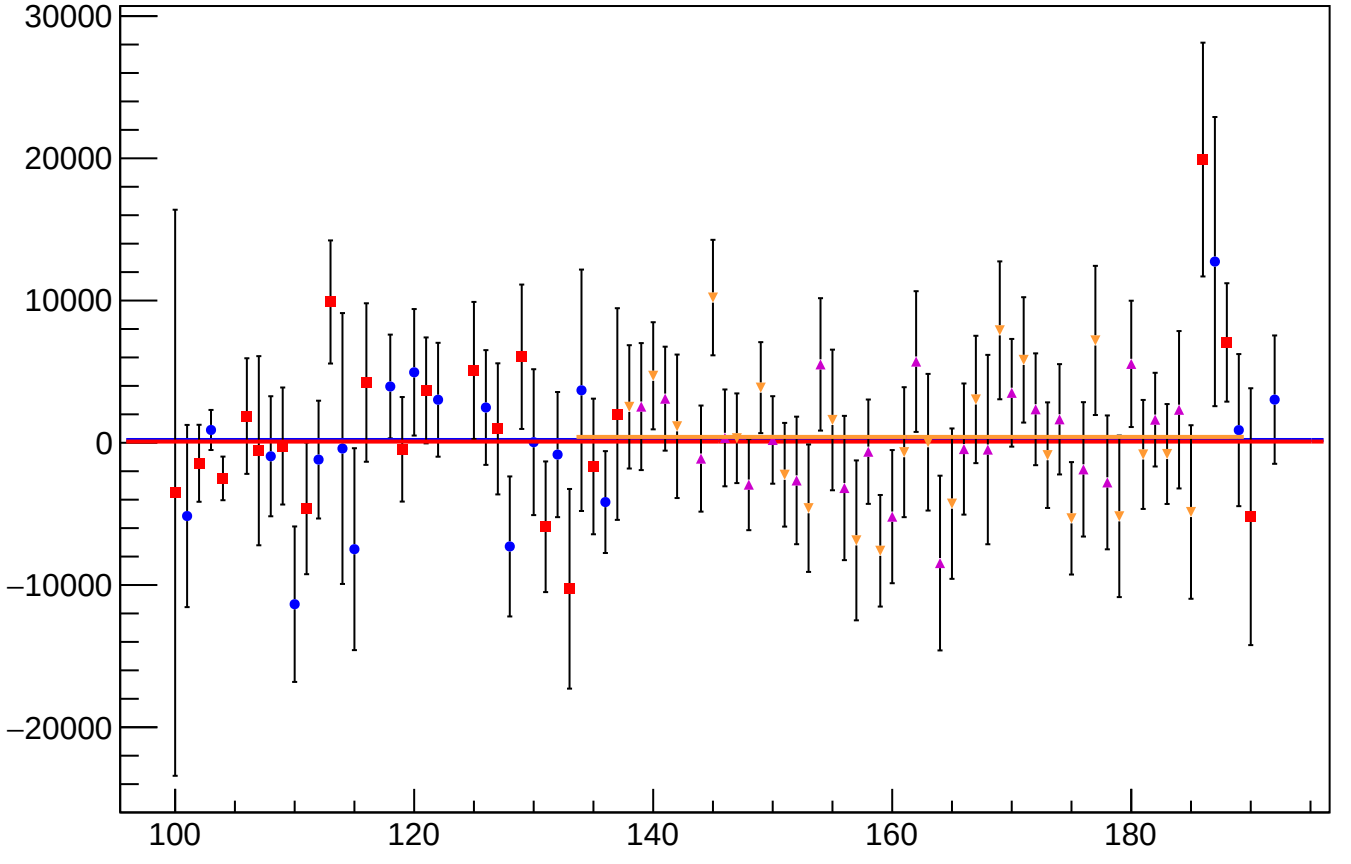
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 2952.806+/-0.428 χ^2/NDF: 6384529.9/42

All: 2328.956+/-0.262 χ^2/NDF: 29220008.3/8

- sign 1954.237+/-0.331 χ^2/NDF: 19429459.2/43

asym_us_avg_atlr_avg_dd_mean vs Slug



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

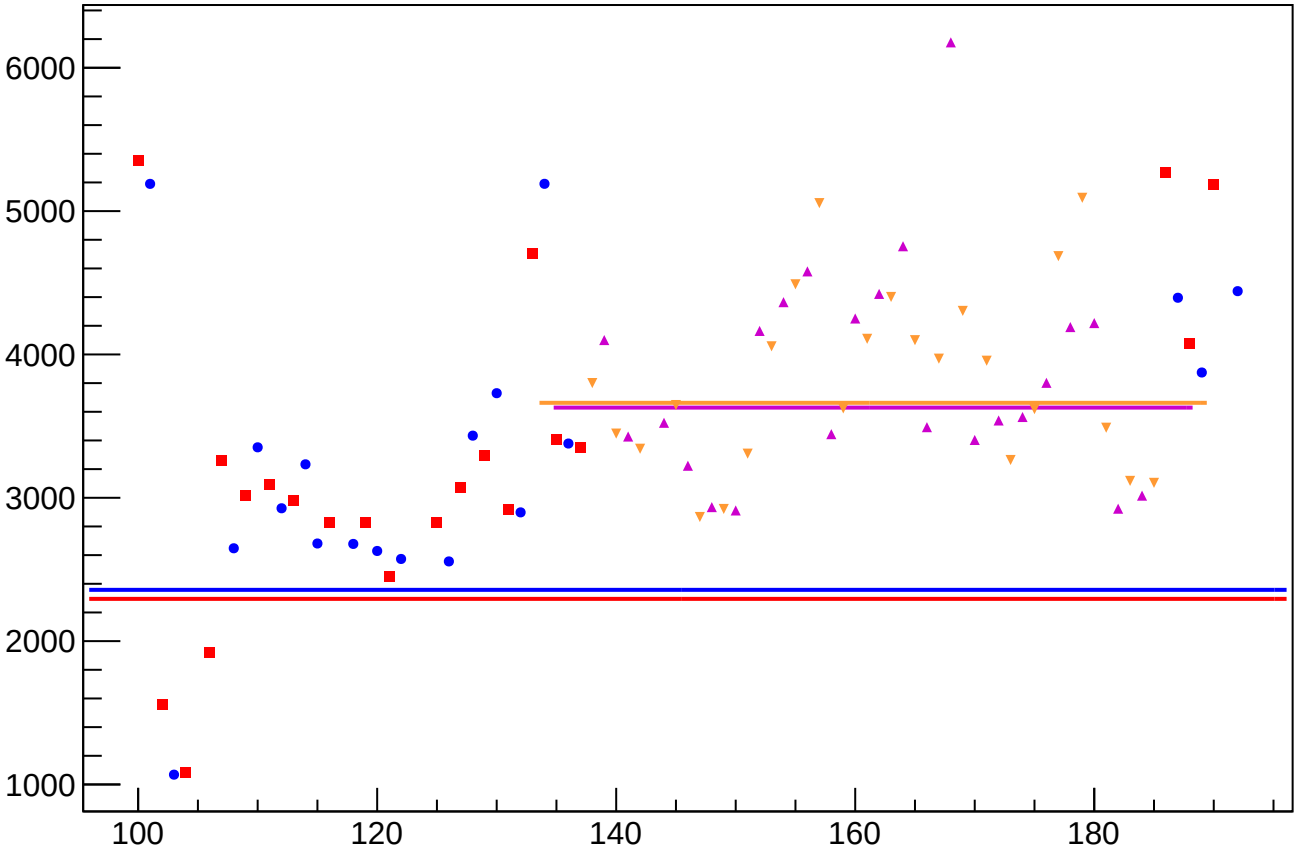
Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 307.703+/-619.122 χ^2/NDF: 42.9/42

All: 275.824+/-435.127 χ^2/NDF: 82.0/86

- sign 244.707+/-611.671 χ^2/NDF: 39.0/43

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2357.804+/-0.627 χ^2/NDF: 3556673.0/18

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

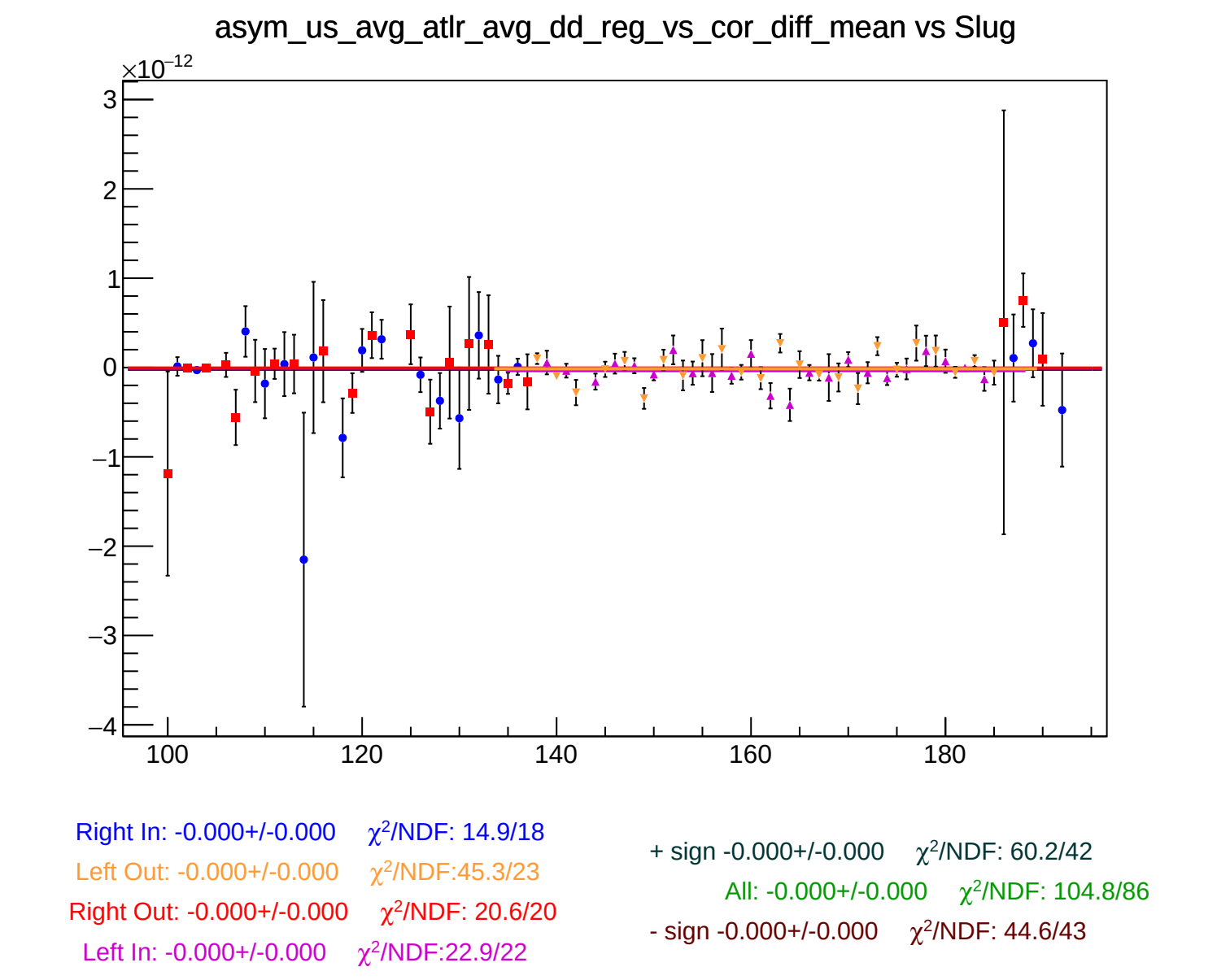
Right Out: 2294.822+/-0.612 χ^2/NDF: 3156036.4/20

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3025.764+/-0.438 χ^2/NDF: 6669861.1/42

All: 2994.741+/-0.308 χ^2/NDF: 13275520.3/8

- sign 2964.528+/-0.432 χ^2/NDF: 6595747.4/43


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
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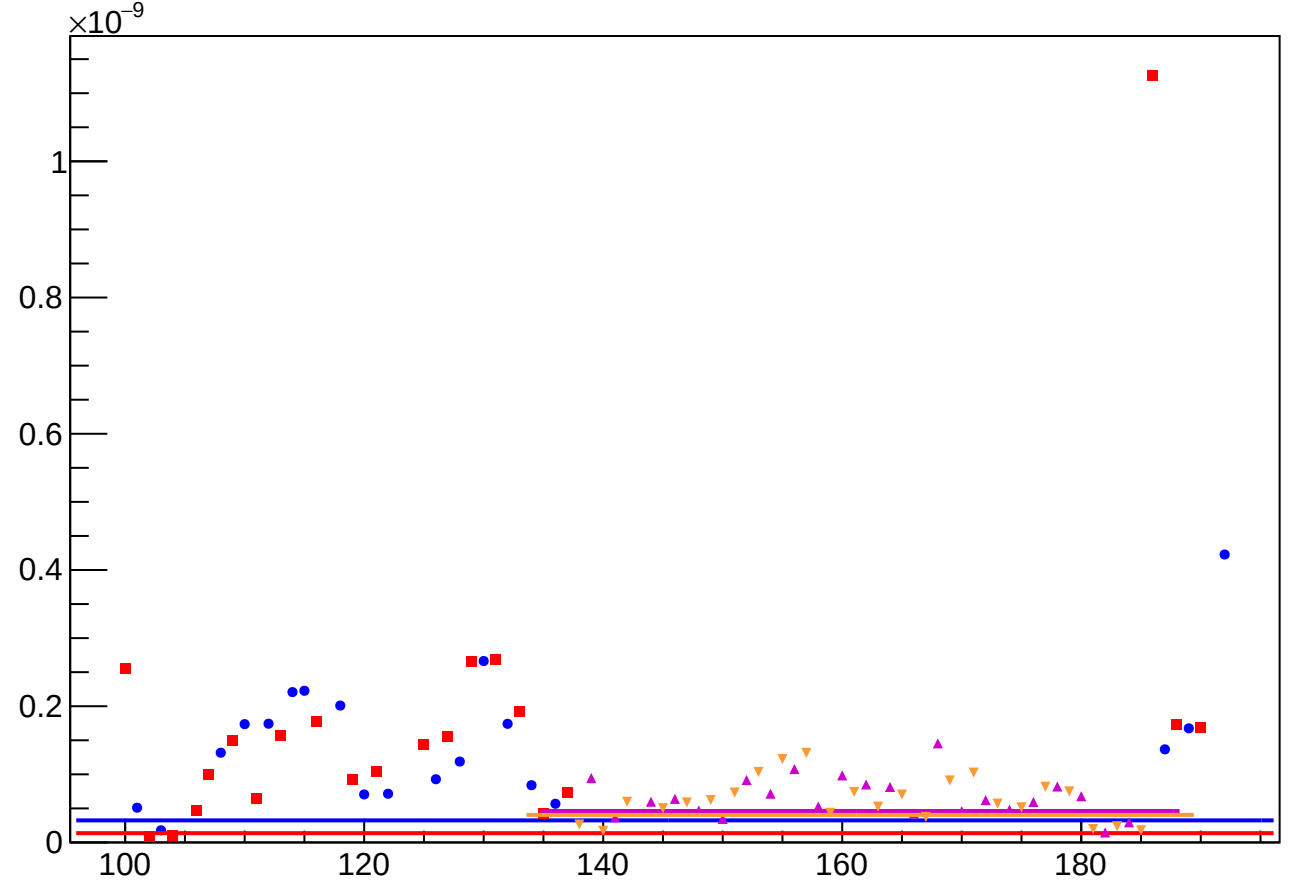
0
−1
−2
−3
−4
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 14.9/18
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 20.6/20
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
+ sign -0.000+/-0.000 χ²/NDF: 60.2/42
All: -0.000+/-0.000 χ²/NDF: 104.8/86
- sign -0.000+/-0.000 χ²/NDF: 44.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 4109309.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

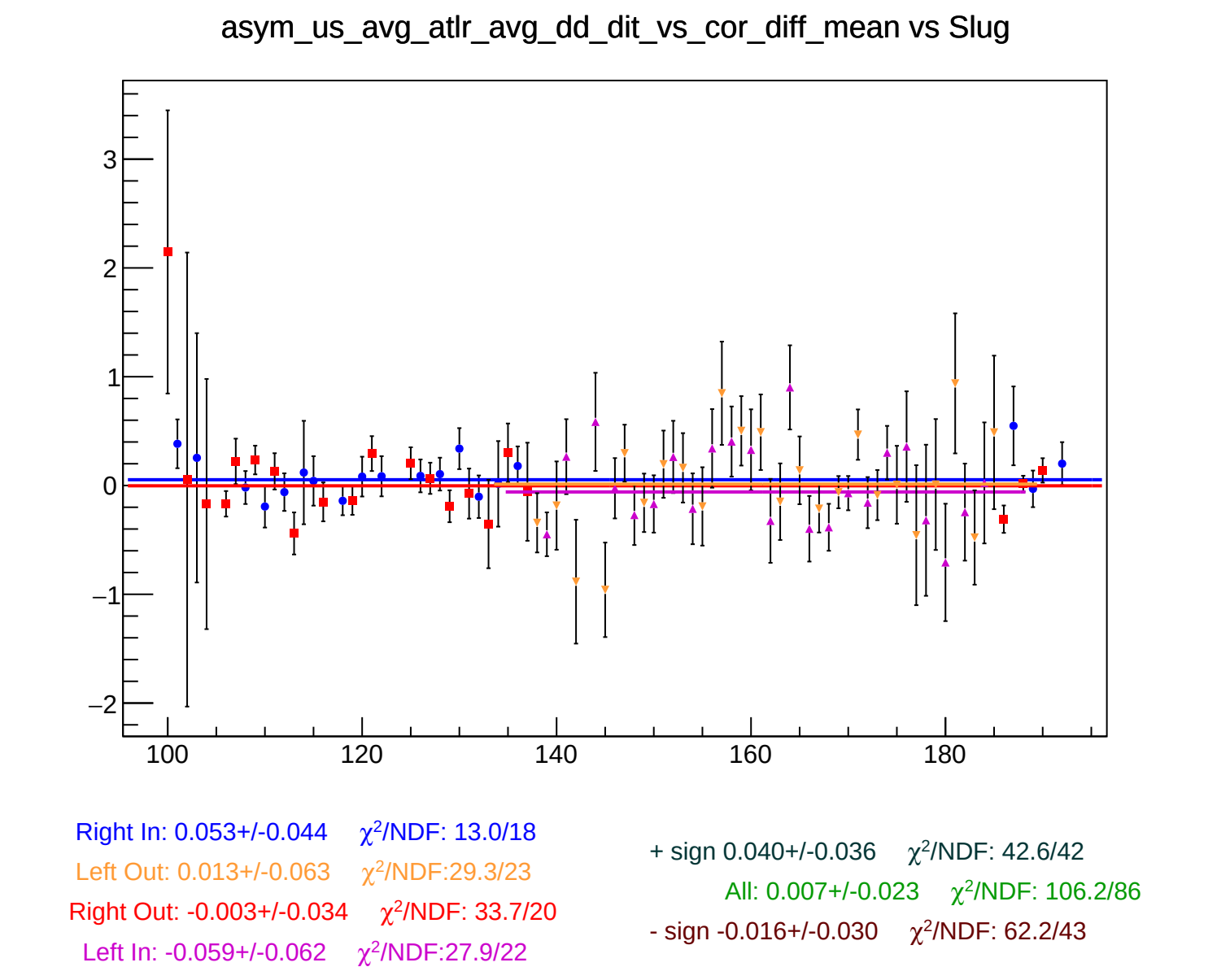
Right Out: 0.000+/-0.000 χ^2/NDF: 4845132.3/20

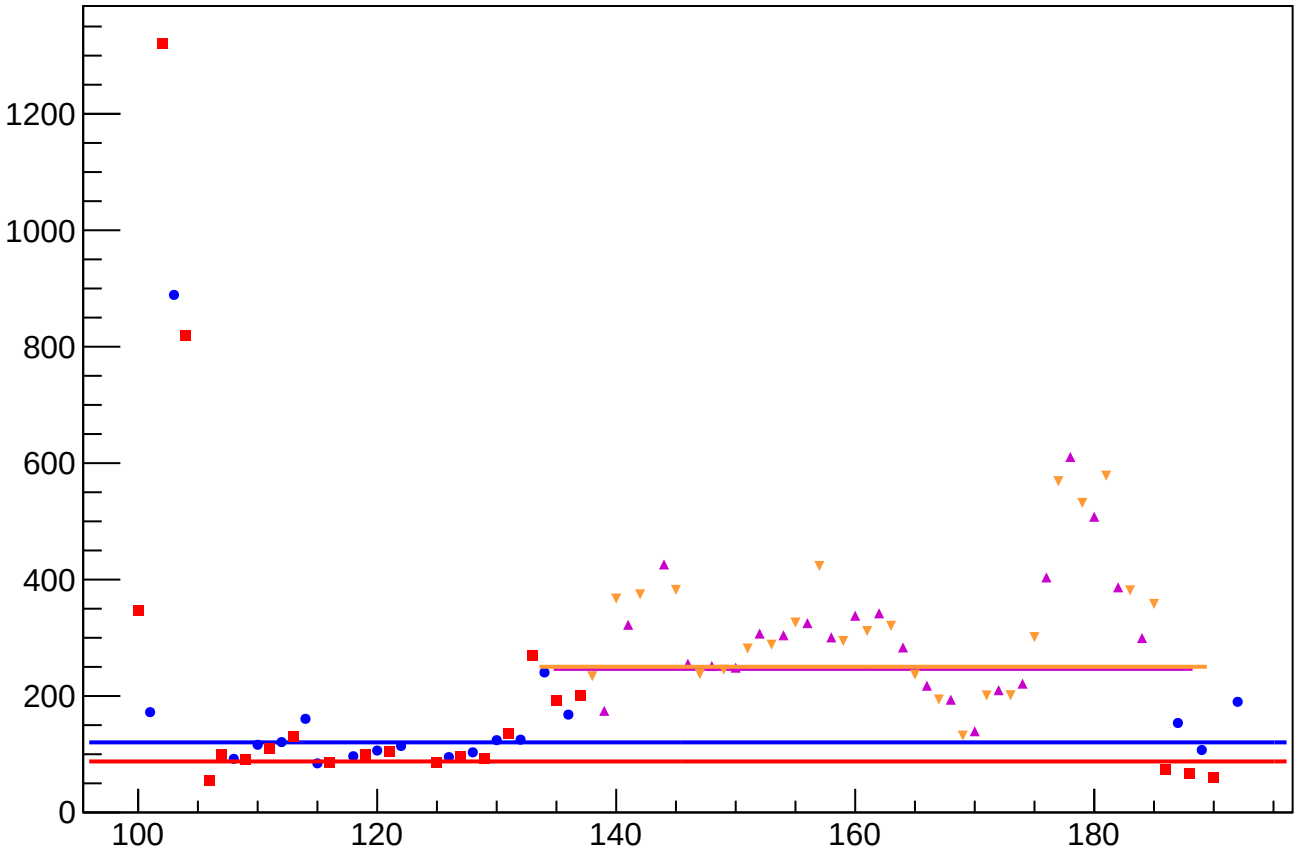
Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7671080.3/42

All: 0.000+/-0.000 χ^2/NDF: 19691533.9/86

- sign 0.000+/-0.000 χ^2/NDF: 11168735.6/43


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.053+/-0.044 χ²/NDF: 13.0/18
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.003+/-0.034 χ²/NDF: 33.7/20
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.036 χ²/NDF: 42.6/42
All: 0.007+/-0.023 χ²/NDF: 106.2/86
- sign -0.016+/-0.030 χ²/NDF: 62.2/43



Right In: 120.380+/-0.031 χ^2/NDF: 1909192.4/18

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

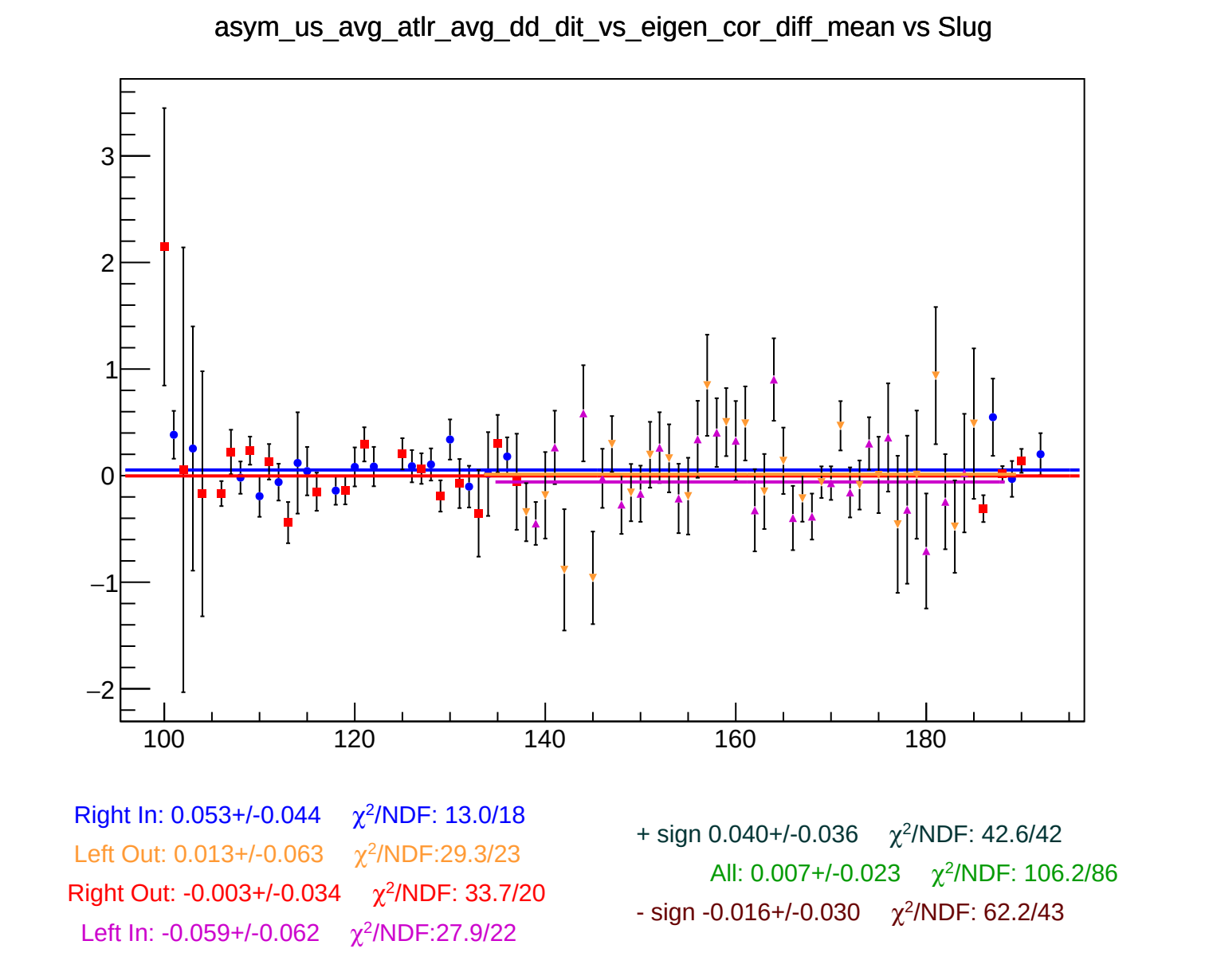
Right Out: 87.606+/-0.024 χ^2/NDF: 3145081.0/20

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.182+/-0.026 χ^2/NDF: 11958470.6/42

All: 140.228+/-0.016 χ^2/NDF: 30328841.0/86

- sign 124.555+/-0.021 χ^2/NDF: 17015089.4/43


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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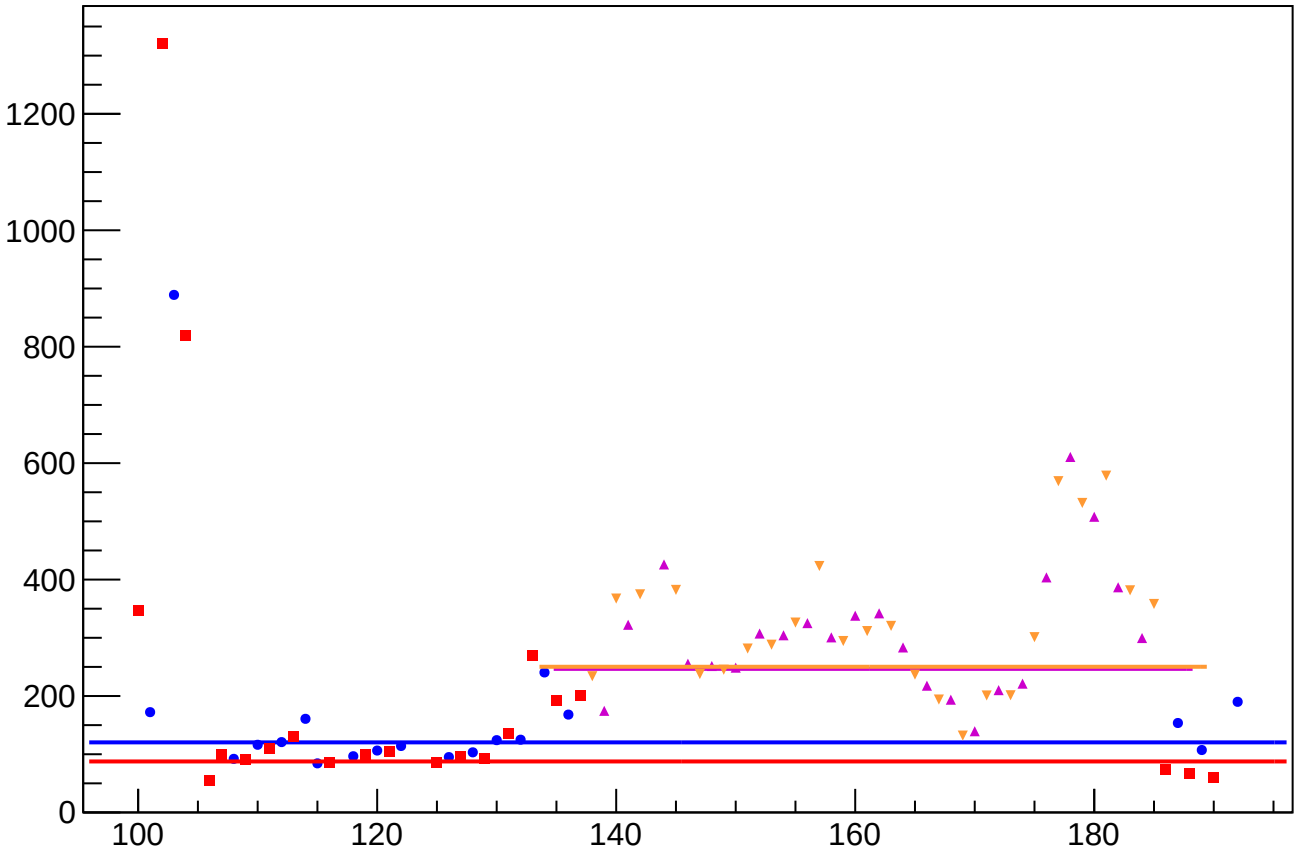
Right In: 0.053+/-0.044 χ²/NDF: 13.0/18
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.003+/-0.034 χ²/NDF: 33.7/20
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.036 χ²/NDF: 42.6/42
All: 0.007+/-0.023 χ²/NDF: 106.2/86
- sign -0.016+/-0.030 χ²/NDF: 62.2/43



Right In: 120.380+/-0.031 χ^2/NDF: 1909192.4/18

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

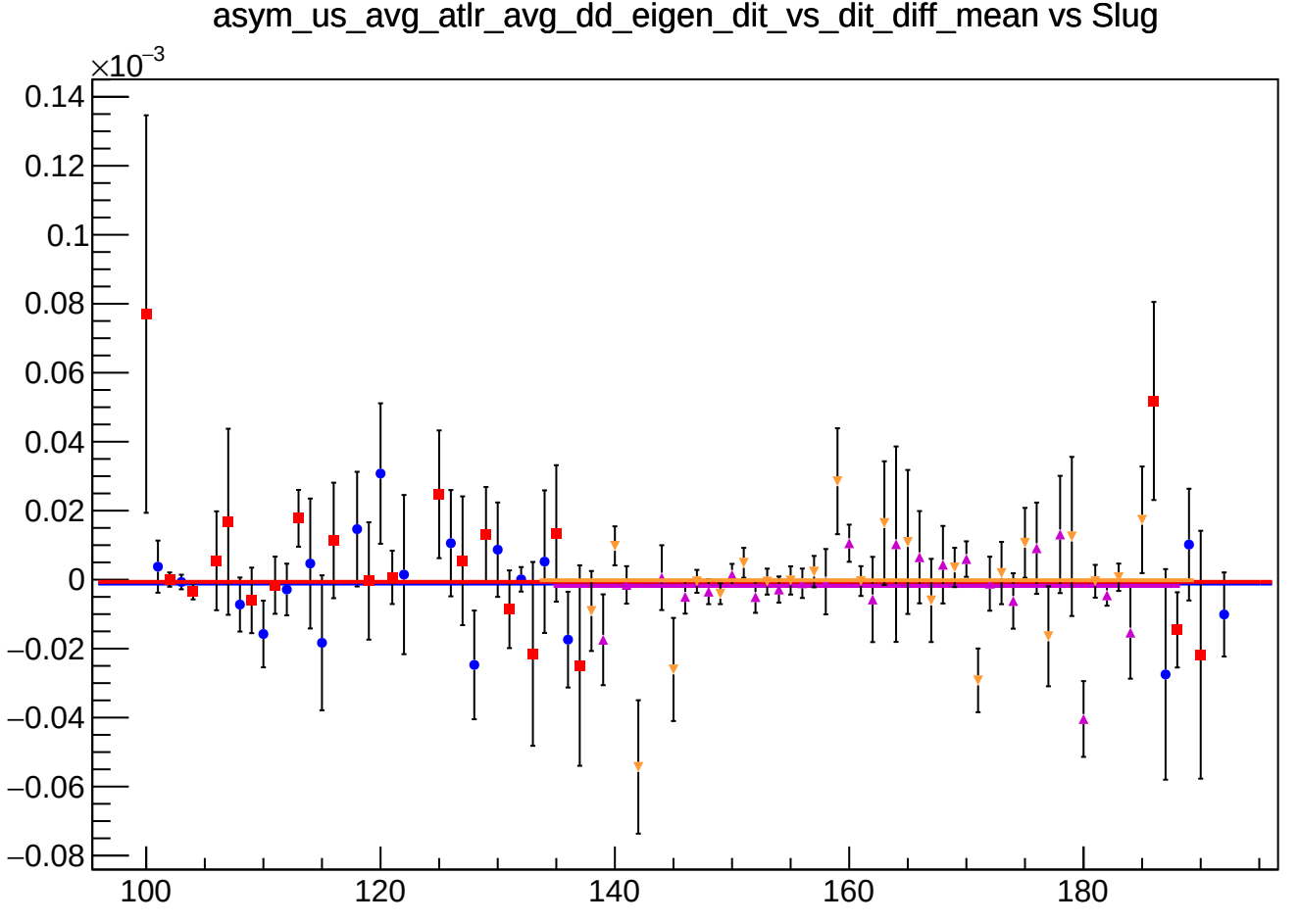
Right Out: 87.606+/-0.024 χ^2/NDF: 3145081.0/20

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.182+/-0.026 χ^2/NDF: 11958470.6/42

All: 140.228+/-0.016 χ^2/NDF: 30328841.0/86

- sign 124.555+/-0.021 χ^2/NDF: 17015089.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

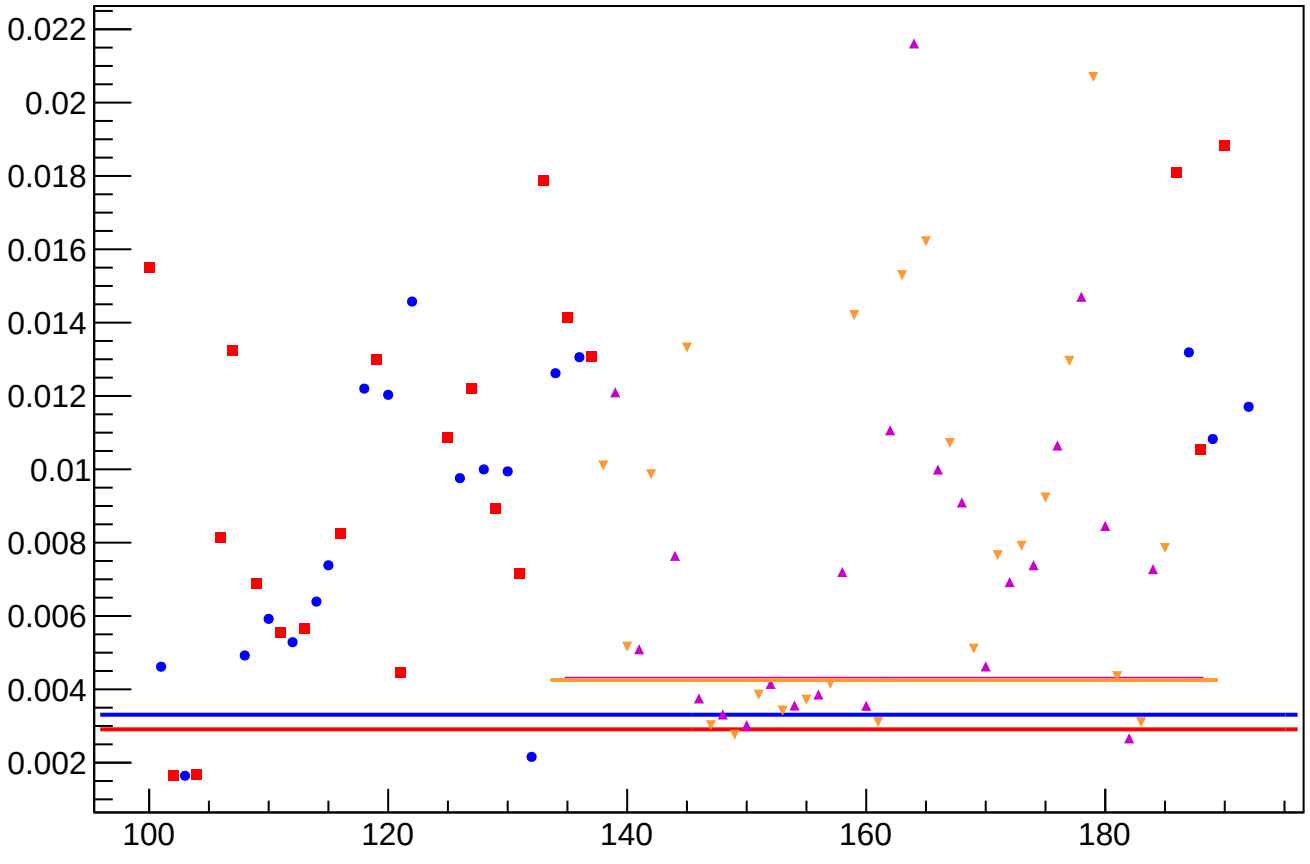
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/20

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.7/42

All: -0.000+/-0.000 χ^2/NDF: 101.1/86

- sign -0.000+/-0.000 χ^2/NDF: 49.0/43



Right In: 0.003+/-0.000 χ^2/NDF: 7599633.4/18

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

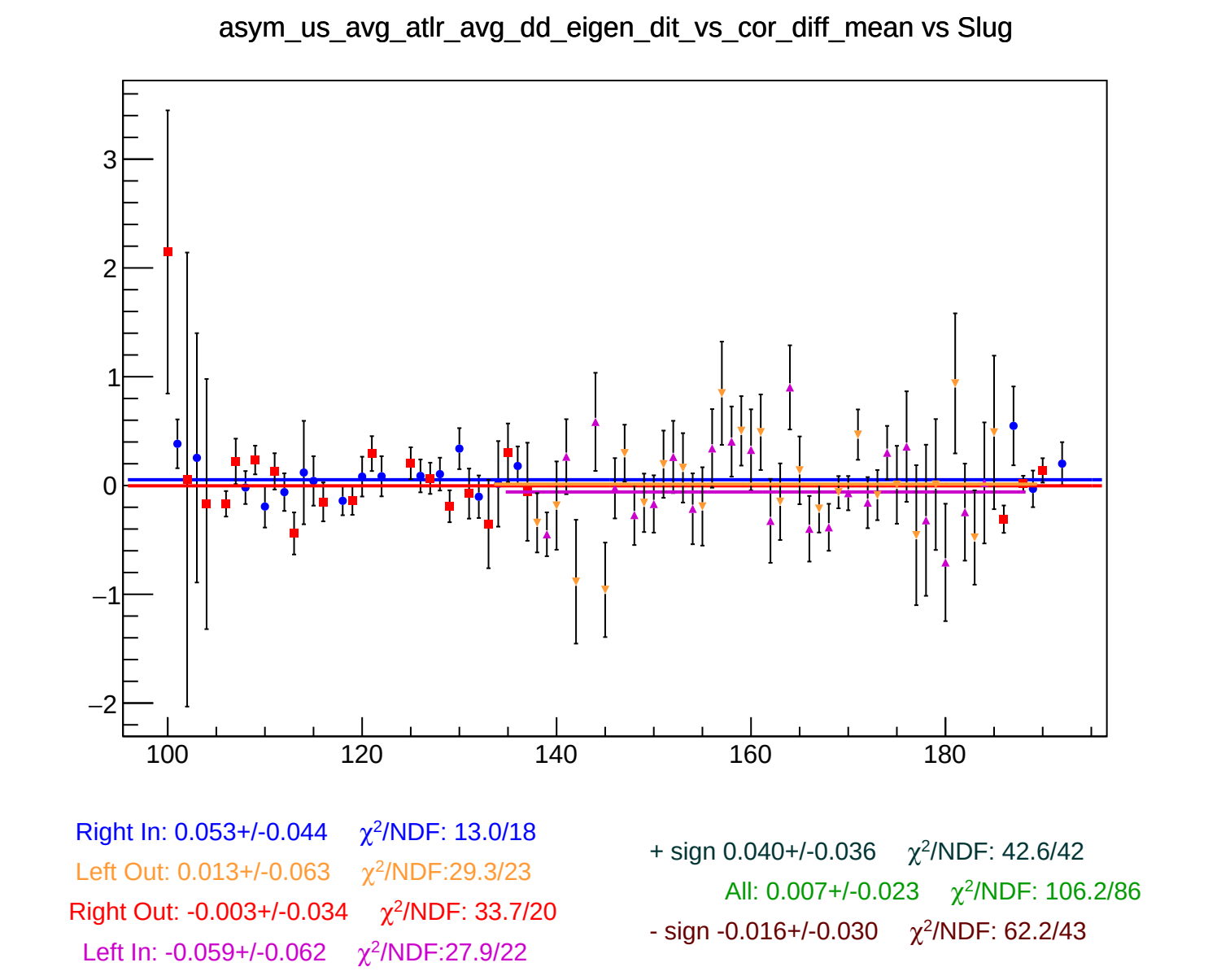
Right Out: 0.003+/-0.000 χ^2/NDF: 8678196.2/20

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 16564058.5/42

All: 0.004+/-0.000 χ^2/NDF: 33040166.2/86

- sign 0.004+/-0.000 χ^2/NDF: 16423683.1/43


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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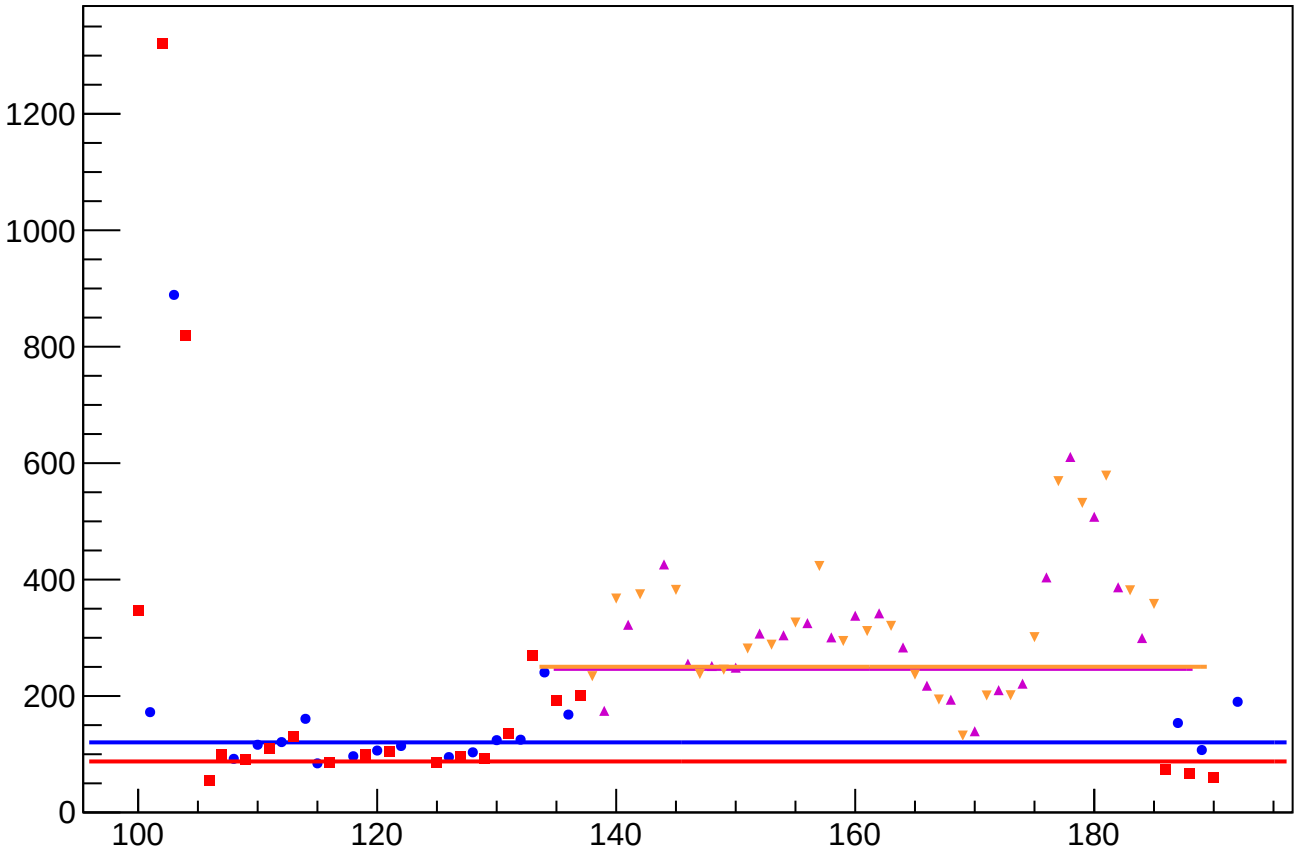
Right In: 0.053+/-0.044 χ²/NDF: 13.0/18
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.003+/-0.034 χ²/NDF: 33.7/20
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.036 χ²/NDF: 42.6/42
All: 0.007+/-0.023 χ²/NDF: 106.2/86
- sign -0.016+/-0.030 χ²/NDF: 62.2/43



Right In: 120.379+/-0.031 χ^2/NDF: 1909190.6/18

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

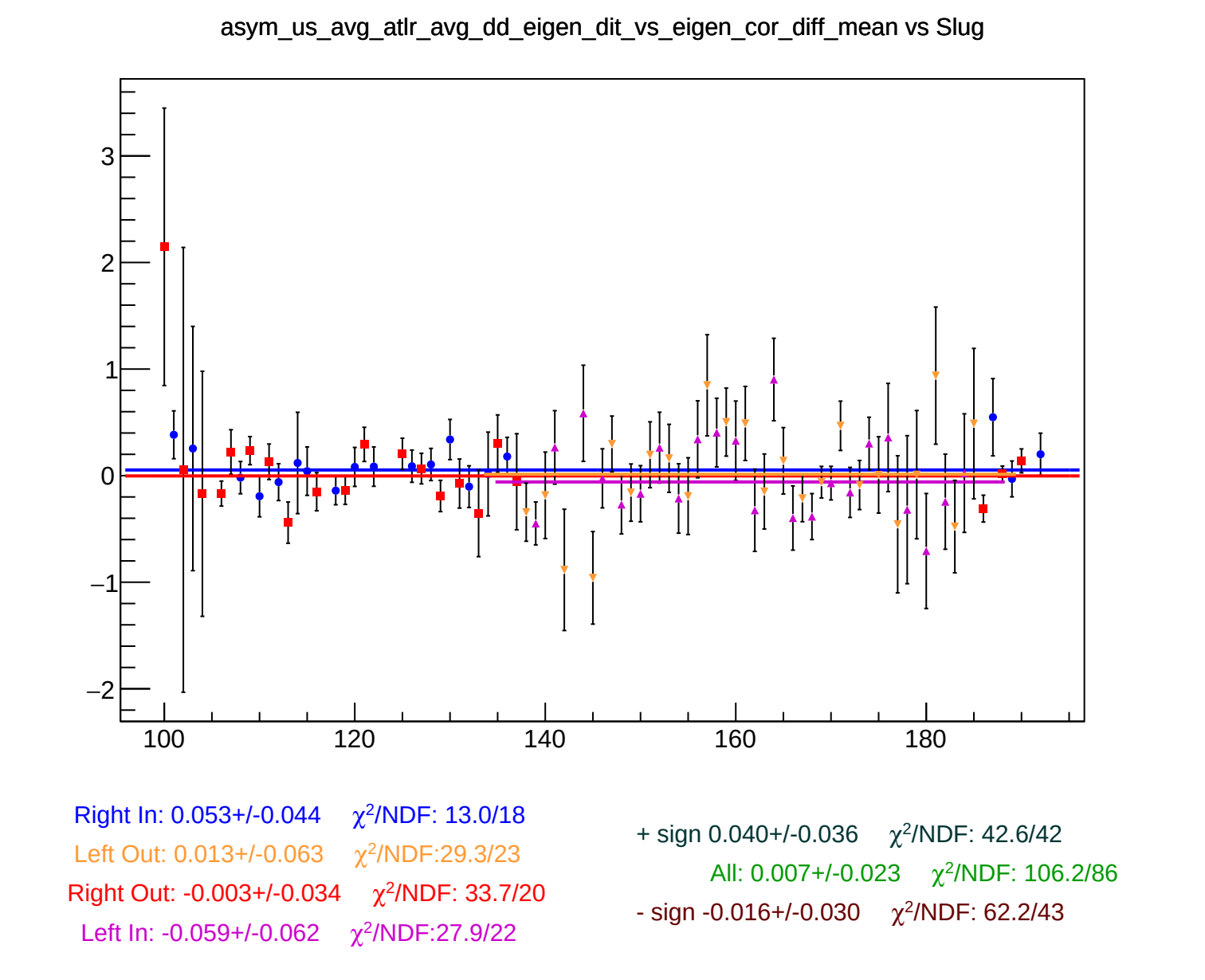
Right Out: 87.602+/-0.024 χ^2/NDF: 3145359.8/20

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 163.181+/-0.026 χ^2/NDF: 11958720.8/42

All: 140.224+/-0.016 χ^2/NDF: 30330620.1/86

- sign 124.549+/-0.021 χ^2/NDF: 17016256.6/43


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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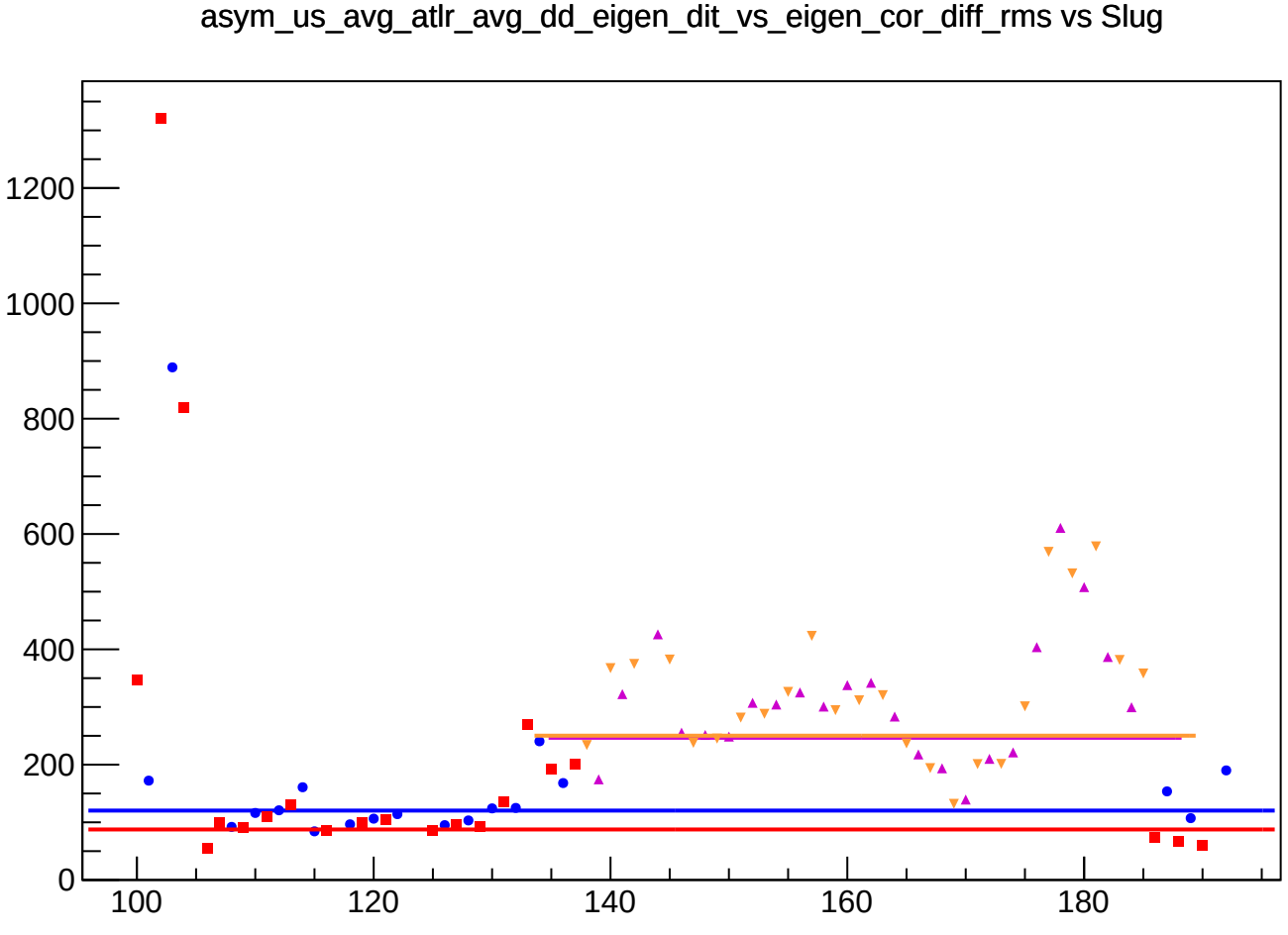
Right In: 0.053+/-0.044 χ²/NDF: 13.0/18
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.003+/-0.034 χ²/NDF: 33.7/20
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.036 χ²/NDF: 42.6/42
All: 0.007+/-0.023 χ²/NDF: 106.2/86
- sign -0.016+/-0.030 χ²/NDF: 62.2/43


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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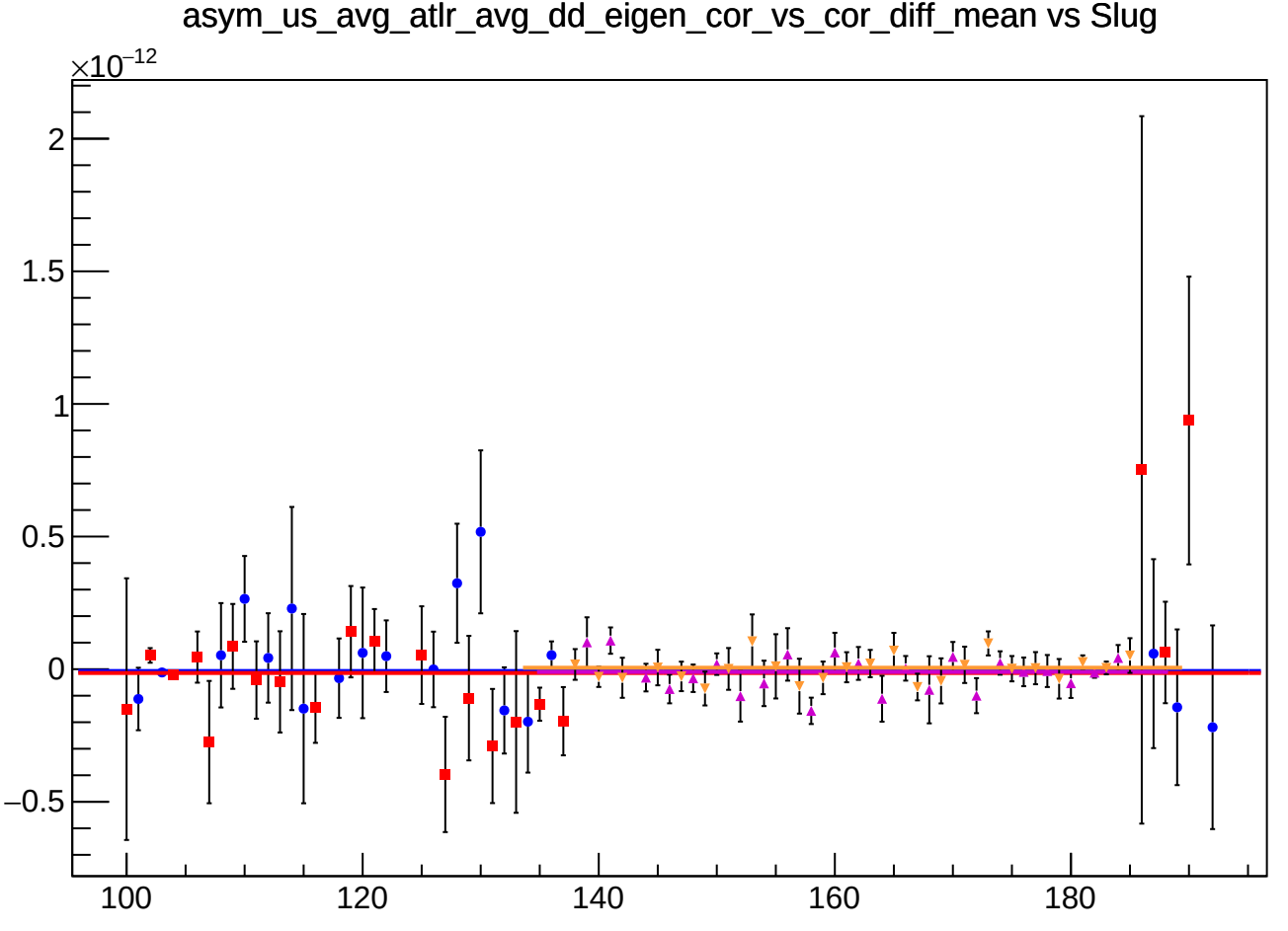
Right In: 120.379+/-0.031 χ²/NDF: 1909190.6/18
Left Out: 250.248+/-0.045 χ²/NDF:4353323.9/23
Right Out: 87.602+/-0.024 χ²/NDF: 3145359.8/20
Left In: 246.632+/-0.044 χ²/NDF:3773144.3/22
+ sign 163.181+/-0.026 χ²/NDF: 11958720.8/42
All: 140.224+/-0.016 χ²/NDF: 30330620.1/86
- sign 124.549+/-0.021 χ²/NDF: 17016256.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

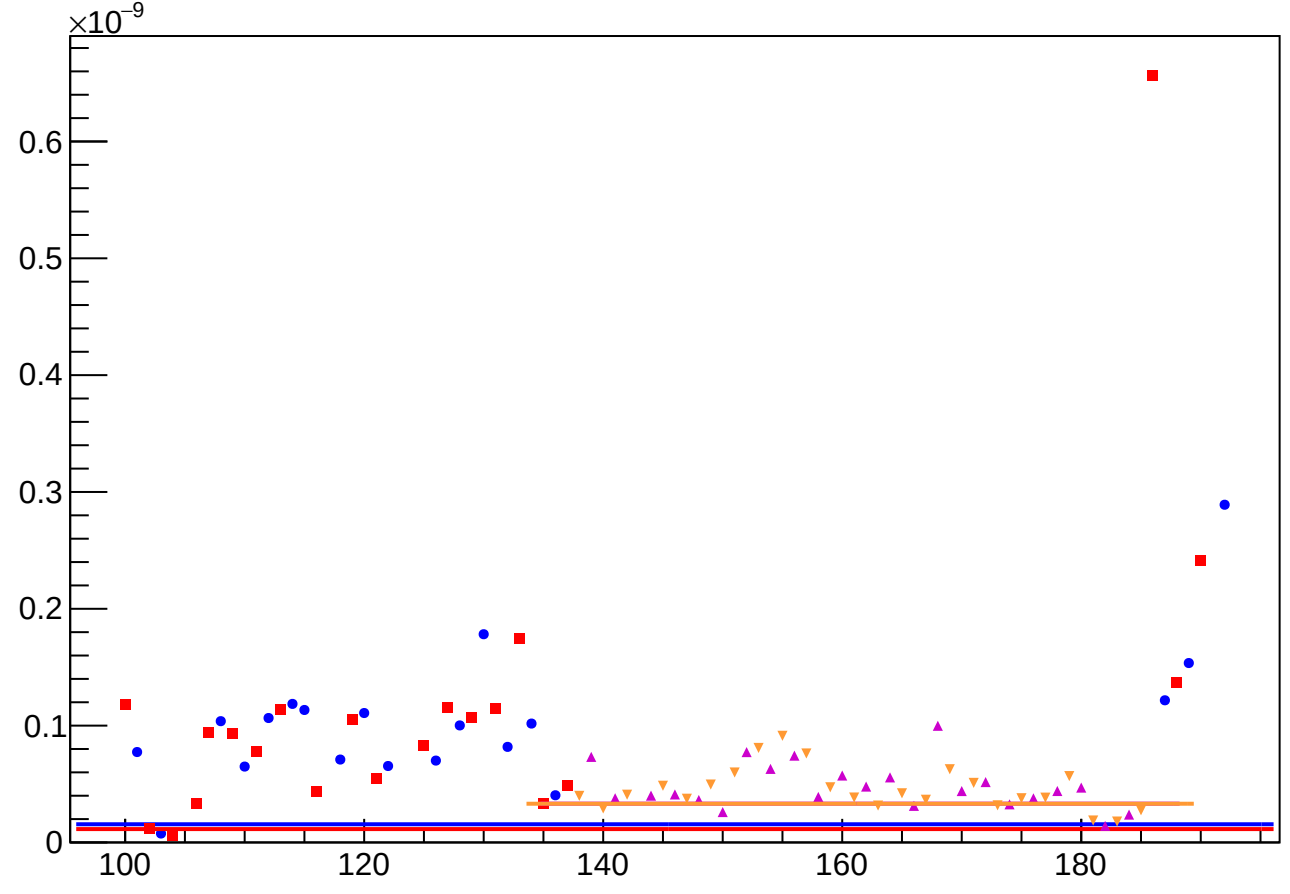
Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/20

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.0/42

All: -0.000+/-0.000 χ^2/NDF: 82.9/86

- sign -0.000+/-0.000 χ^2/NDF: 53.4/43



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

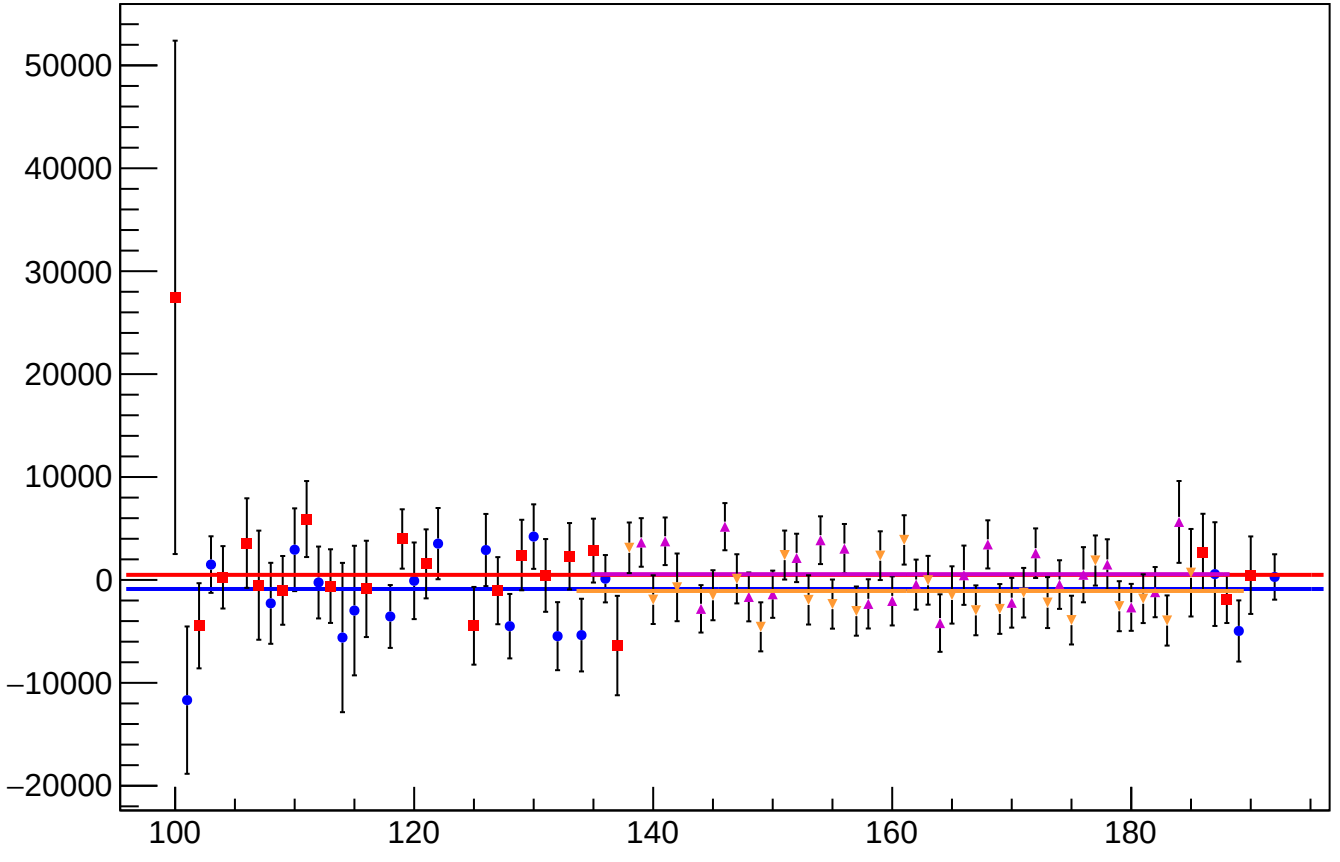
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13897589.0/42

All: 0.000+/-0.000 χ^2/NDF: 31357592.0/86

- sign 0.000+/-0.000 χ^2/NDF: 17157513.2/43

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -879.729+/-773.496 χ^2/NDF: 18.1/18

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

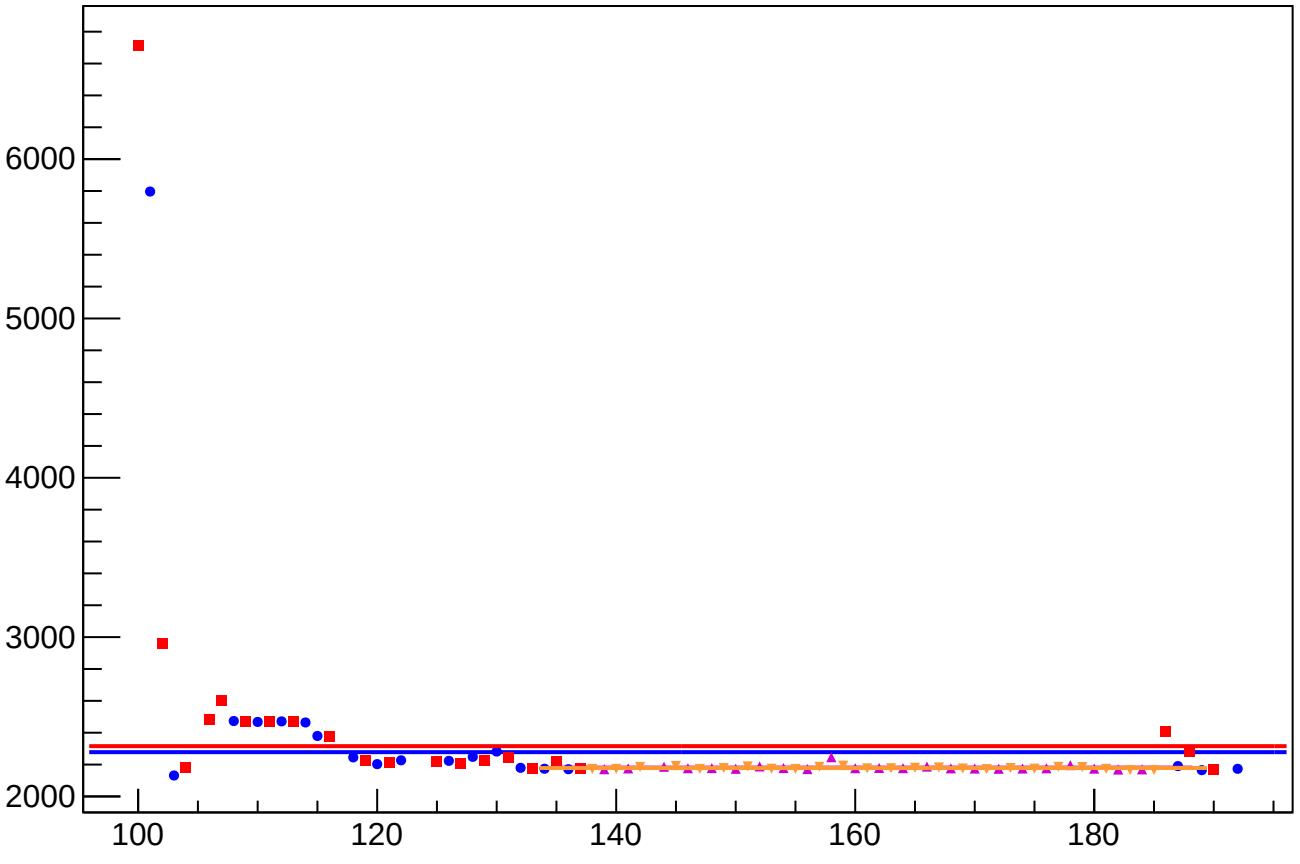
Right Out: 492.968+/-778.191 χ^2/NDF: 13.8/20

Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -1015.057+/-423.170 χ^2/NDF: 39.8/42

All: -243.954+/-300.255 χ^2/NDF: 88.9/86

- sign 537.840+/-426.094 χ^2/NDF: 42.5/43



Right In: 2277.907+/-0.547 χ^2/NDF: 524306.8/18

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

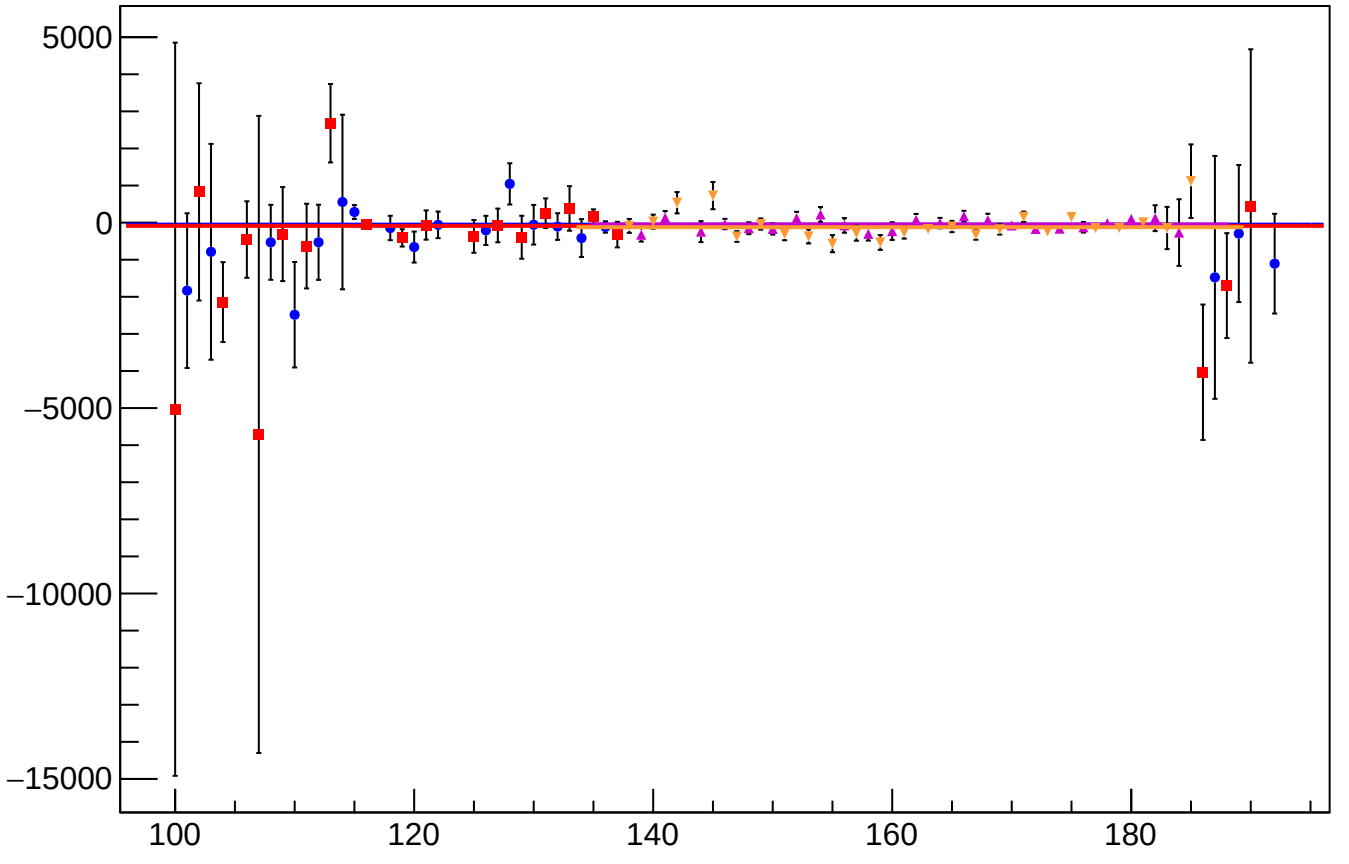
Right Out: 2315.562+/-0.550 χ^2/NDF: 156543.1/20

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2208.074+/-0.299 χ^2/NDF: 547961.3/42

All: 2214.634+/-0.212 χ^2/NDF: 749261.3/86

- sign 2221.286+/-0.301 χ^2/NDF: 200332.0/43



Right In: -54.413+/-90.563 χ^2/NDF: 15.2/18

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

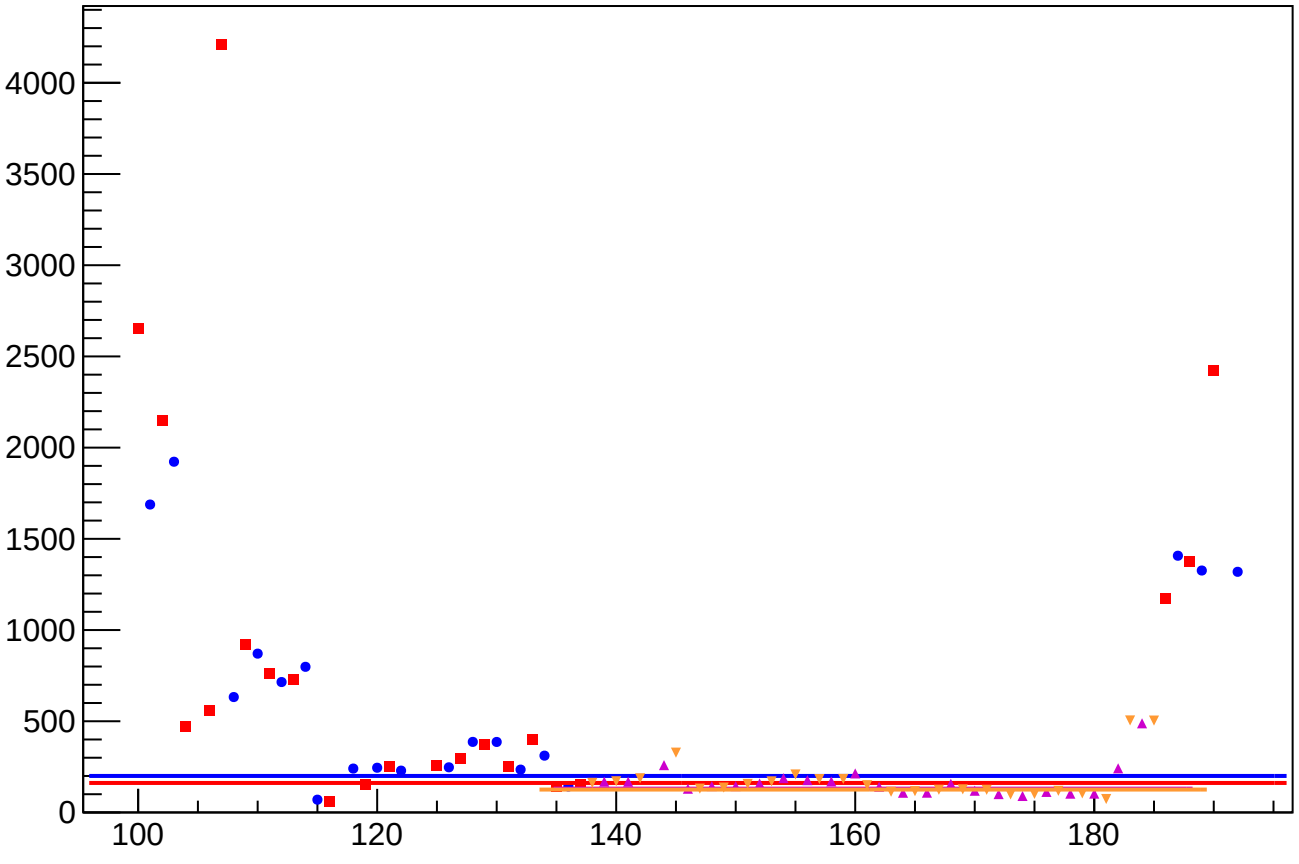
Right Out: -87.501+/-82.145 χ^2/NDF: 23.6/20

Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -115.643+/-29.674 χ^2/NDF: 59.5/42

All: -86.088+/-21.186 χ^2/NDF: 103.6/86

- sign -55.361+/-30.257 χ^2/NDF: 42.1/43



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

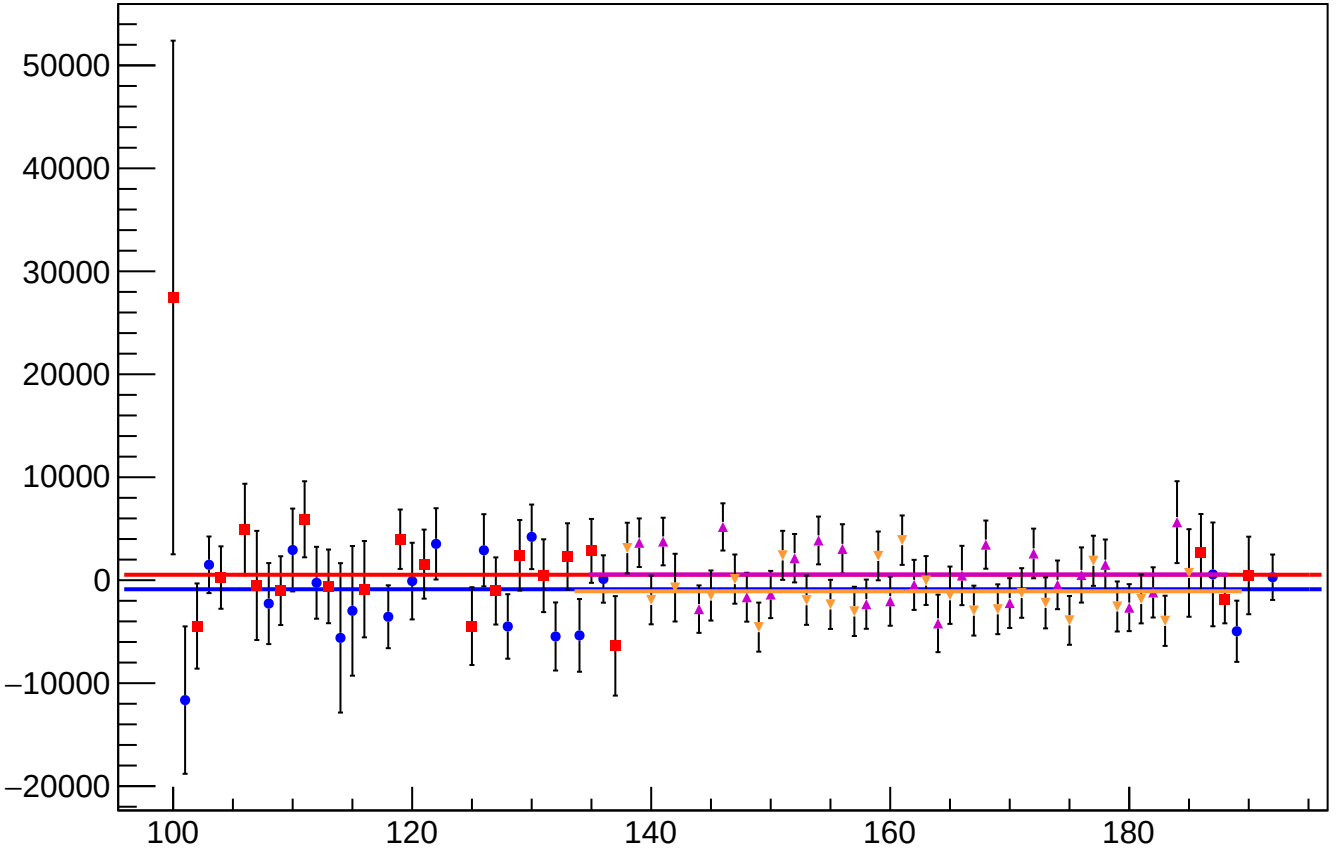
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 133.521+/-0.021 χ^2/NDF: 12639595.3/42

All: 134.089+/-0.015 χ^2/NDF: 24399864.1/86

- sign 134.680+/-0.021 χ^2/NDF: 11758772.9/43

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -878.937+/-773.497 χ^2/NDF: 18.1/18

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

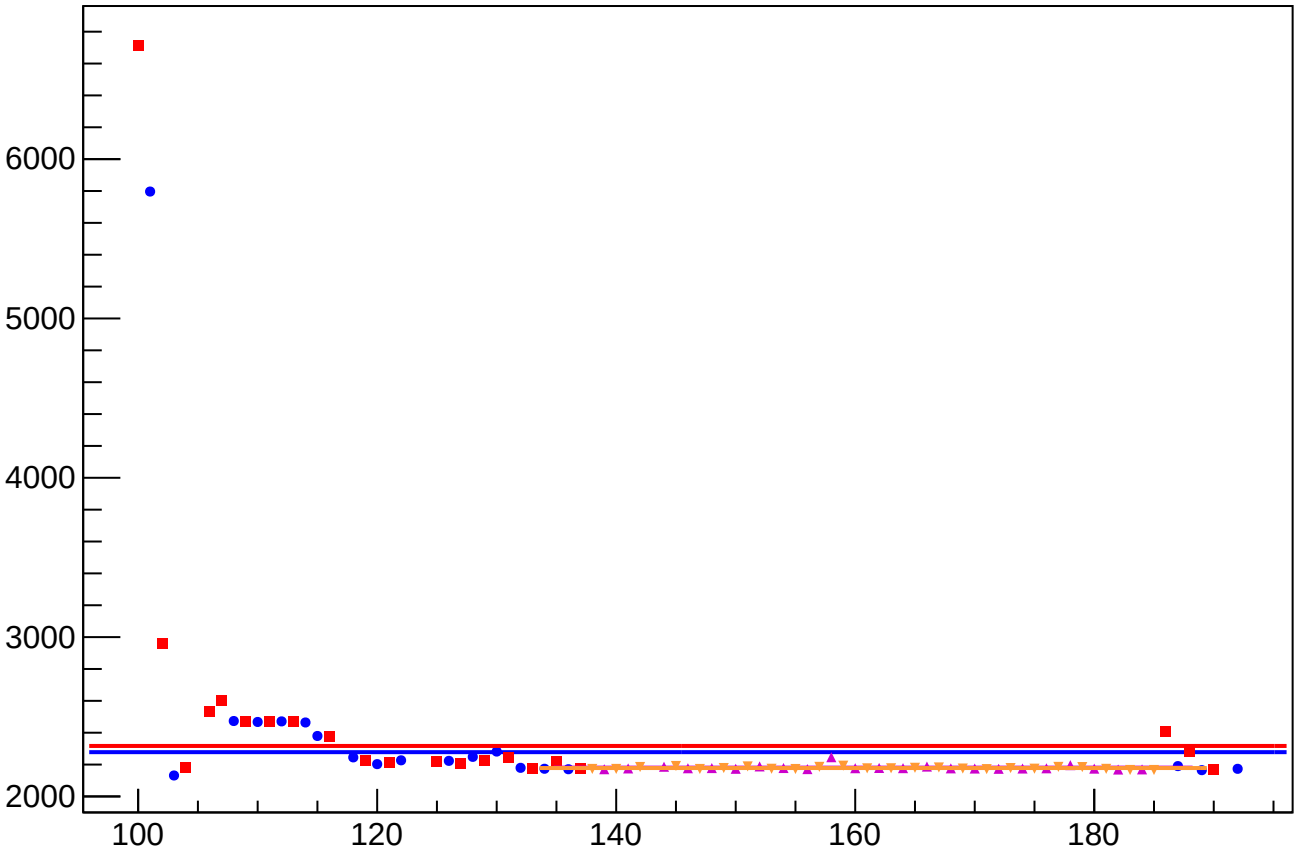
Right Out: 530.400+/-778.708 χ^2/NDF: 14.3/20

Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -1014.772+/-423.170 χ^2/NDF: 39.7/42

All: -238.380+/-300.285 χ^2/NDF: 89.5/86

- sign 549.088+/-426.178 χ^2/NDF: 43.0/43



Right In: 2277.907+/-0.547 χ^2/NDF: 524307.1/18

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

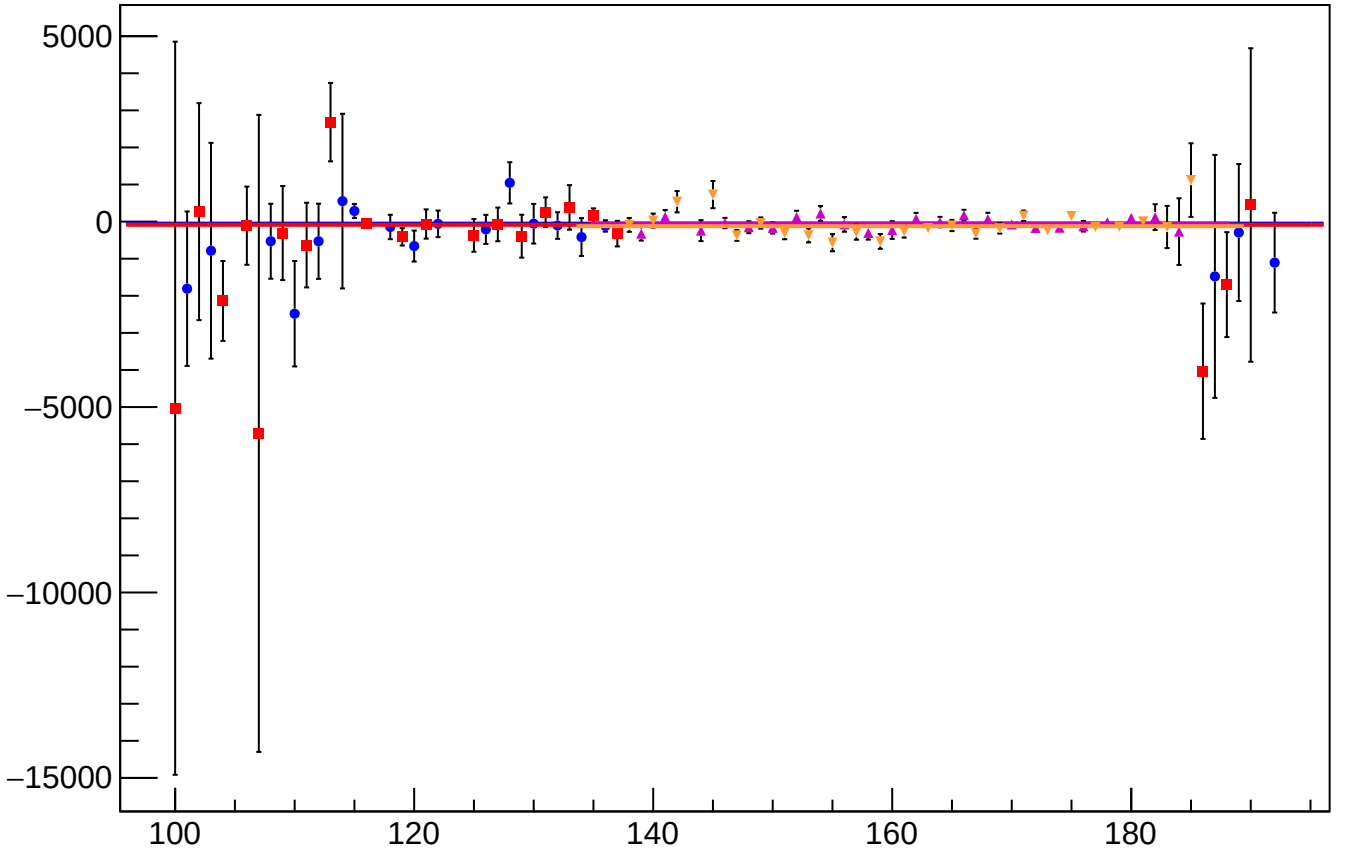
Right Out: 2316.896+/-0.551 χ^2/NDF: 158401.8/20

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2208.074+/-0.299 χ^2/NDF: 547961.6/42

All: 2214.813+/-0.212 χ^2/NDF: 751968.6/86

- sign 2221.647+/-0.301 χ^2/NDF: 202985.4/43



Right In: -54.447+/-90.569 χ^2/NDF: 15.2/18

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

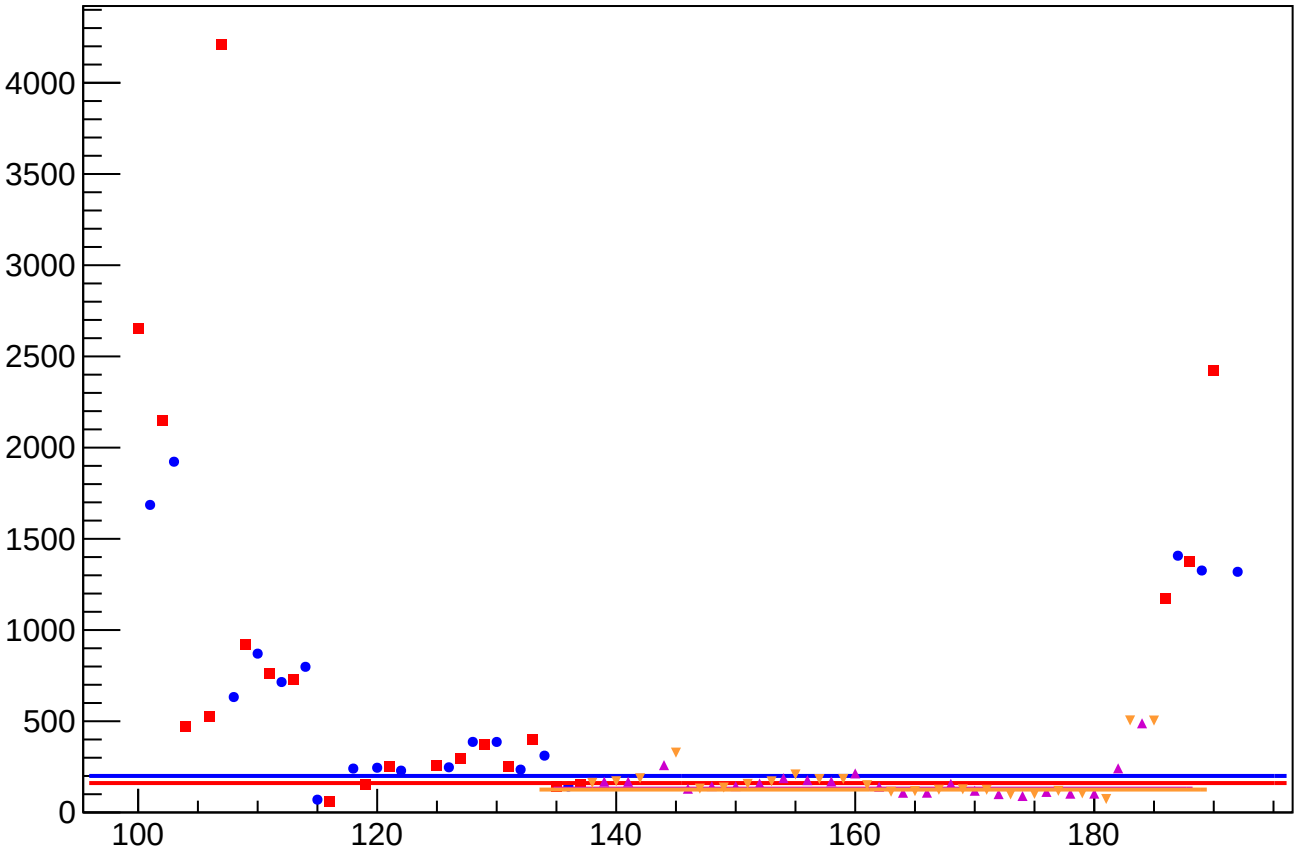
Right Out: -85.492+/-82.084 χ^2/NDF: 23.4/20

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.576+/-29.674 χ^2/NDF: 59.5/42

All: -85.878+/-21.186 χ^2/NDF: 103.4/86

- sign -55.003+/-30.256 χ^2/NDF: 41.8/43



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

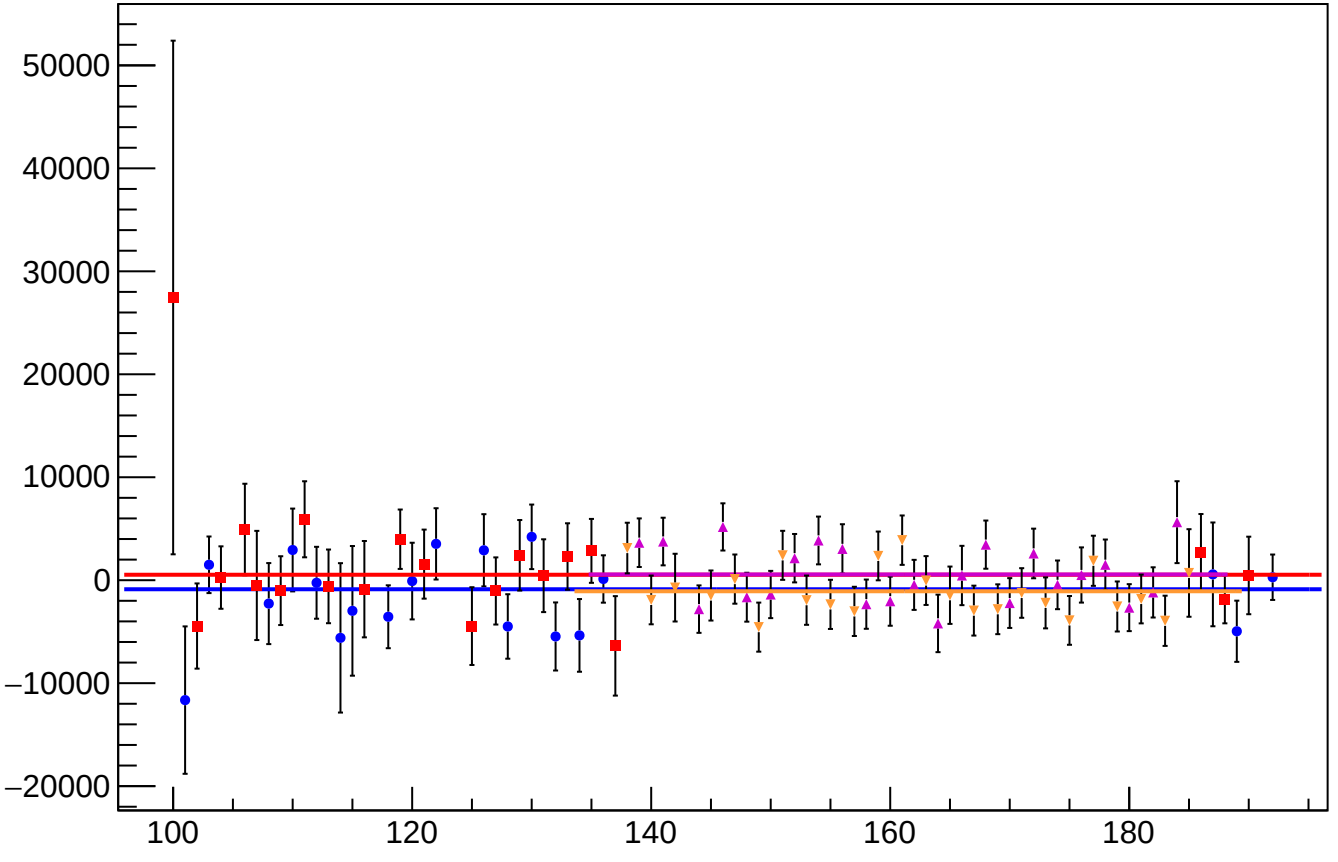
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 133.519+/-0.021 χ^2/NDF: 12639993.2/42

All: 134.060+/-0.015 χ^2/NDF: 24347625.0/86

- sign 134.622+/-0.021 χ^2/NDF: 11706277.0/43

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



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

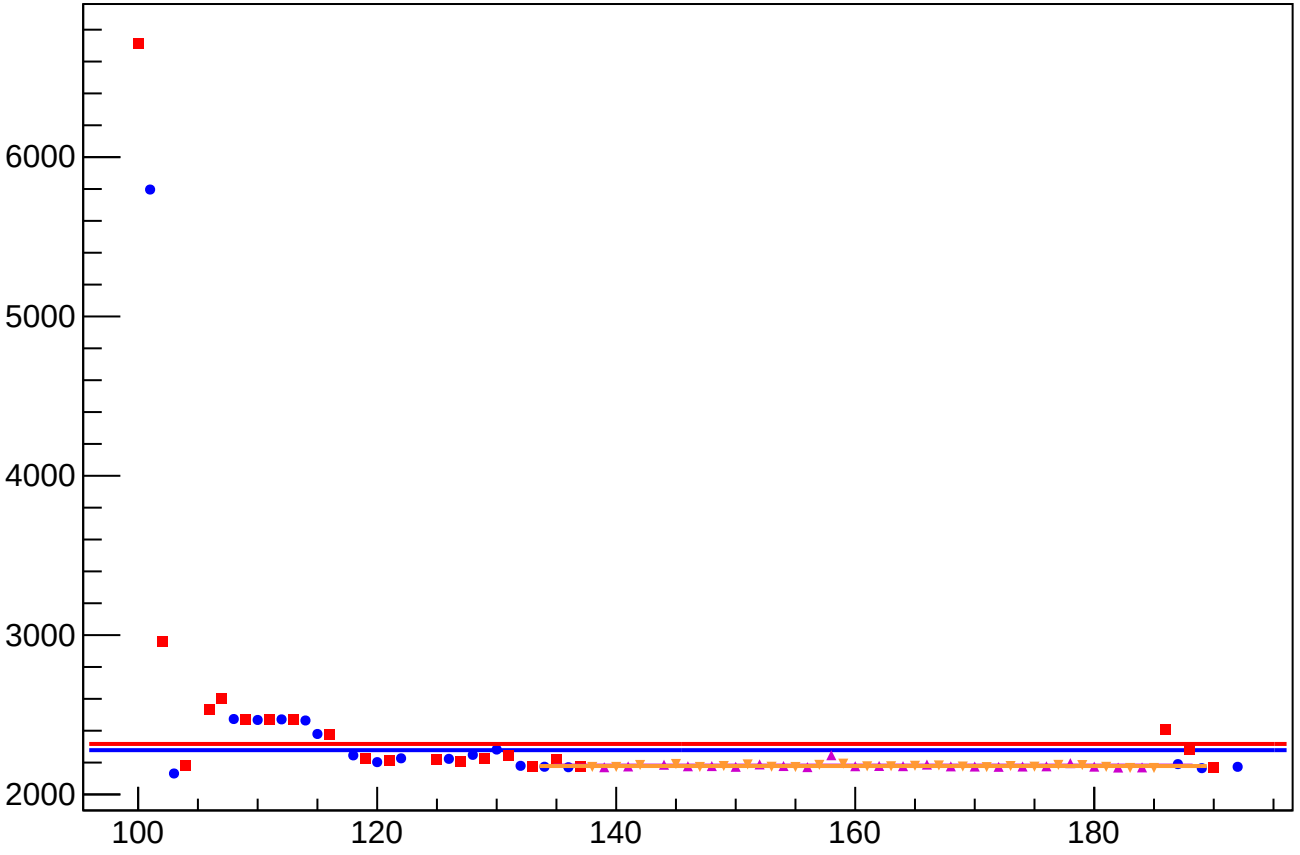
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -1014.772+/-423.170 χ^2/NDF: 39.7/42

All: -238.380+/-300.285 χ^2/NDF: 89.5/86

- sign 549.088+/-426.178 χ^2/NDF: 43.0/43

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2277.907+/-0.547 χ^2/NDF: 524307.1/18

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

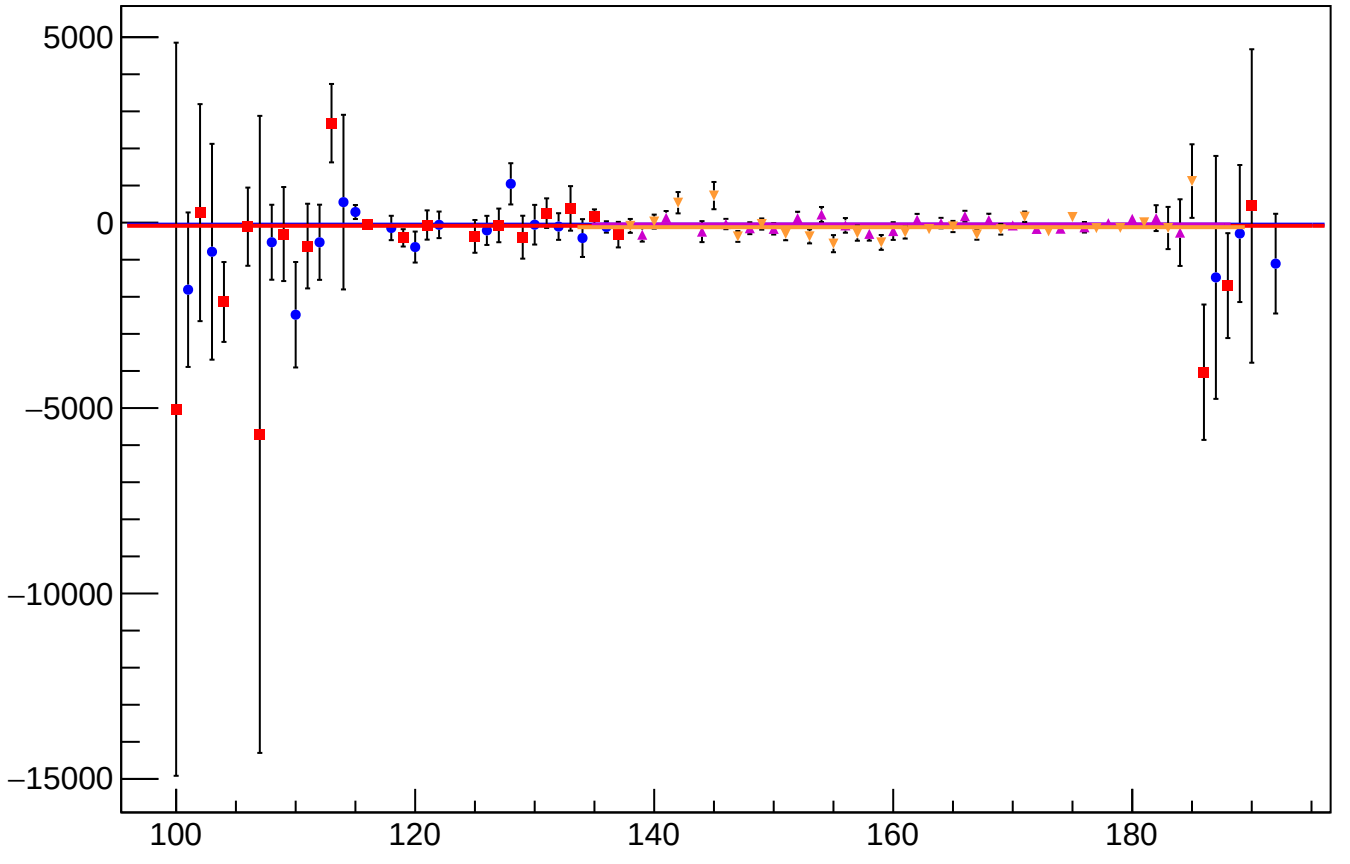
Right Out: 2316.896+/-0.551 χ^2/NDF: 158401.8/20

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2208.074+/-0.299 χ^2/NDF: 547961.6/42

All: 2214.813+/-0.212 χ^2/NDF: 751968.6/86

- sign 2221.647+/-0.301 χ^2/NDF: 202985.4/43



Right In: -54.447+/-90.569 χ^2/NDF: 15.2/18

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

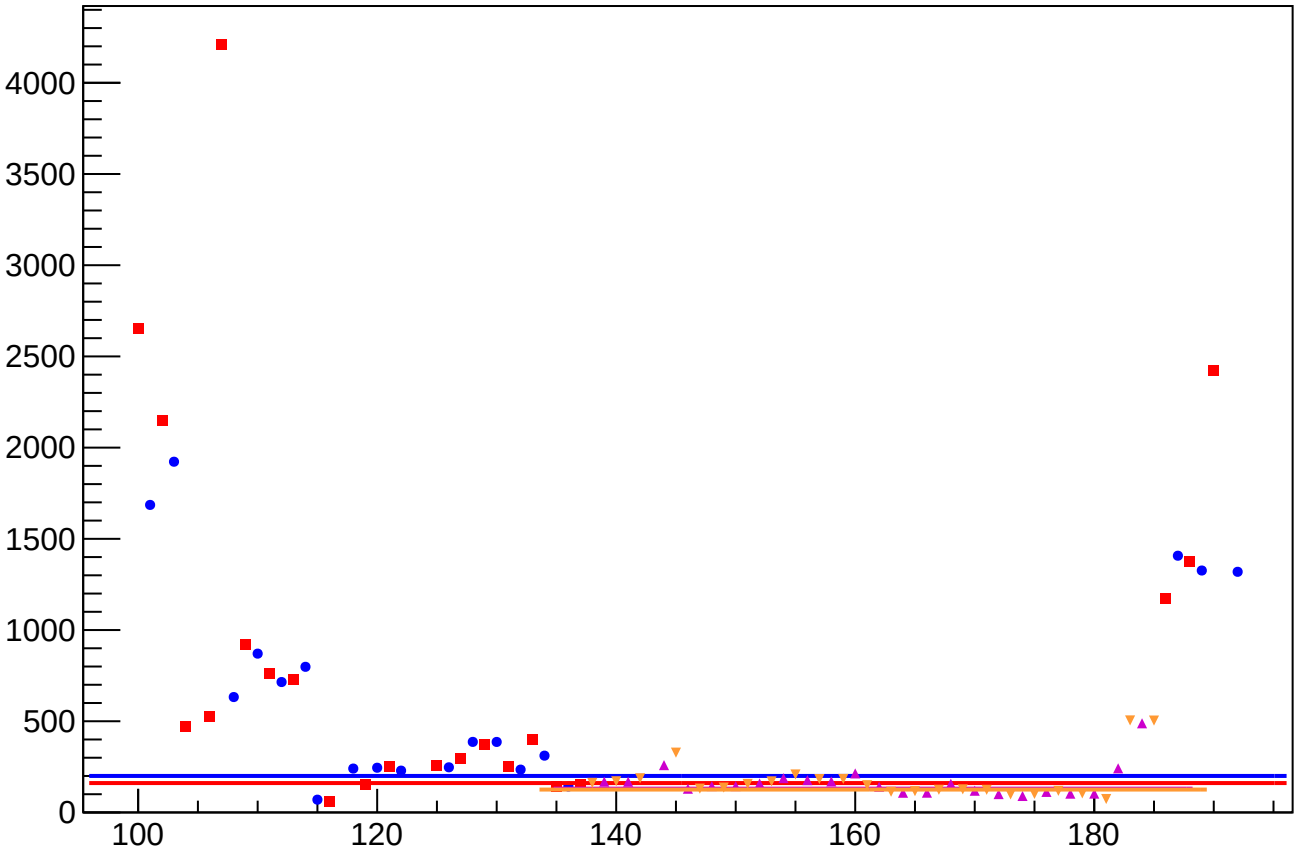
Right Out: -85.492+/-82.084 χ^2/NDF: 23.4/20

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.576+/-29.674 χ^2/NDF: 59.5/42

All: -85.878+/-21.186 χ^2/NDF: 103.4/86

- sign -55.003+/-30.256 χ^2/NDF: 41.8/43



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

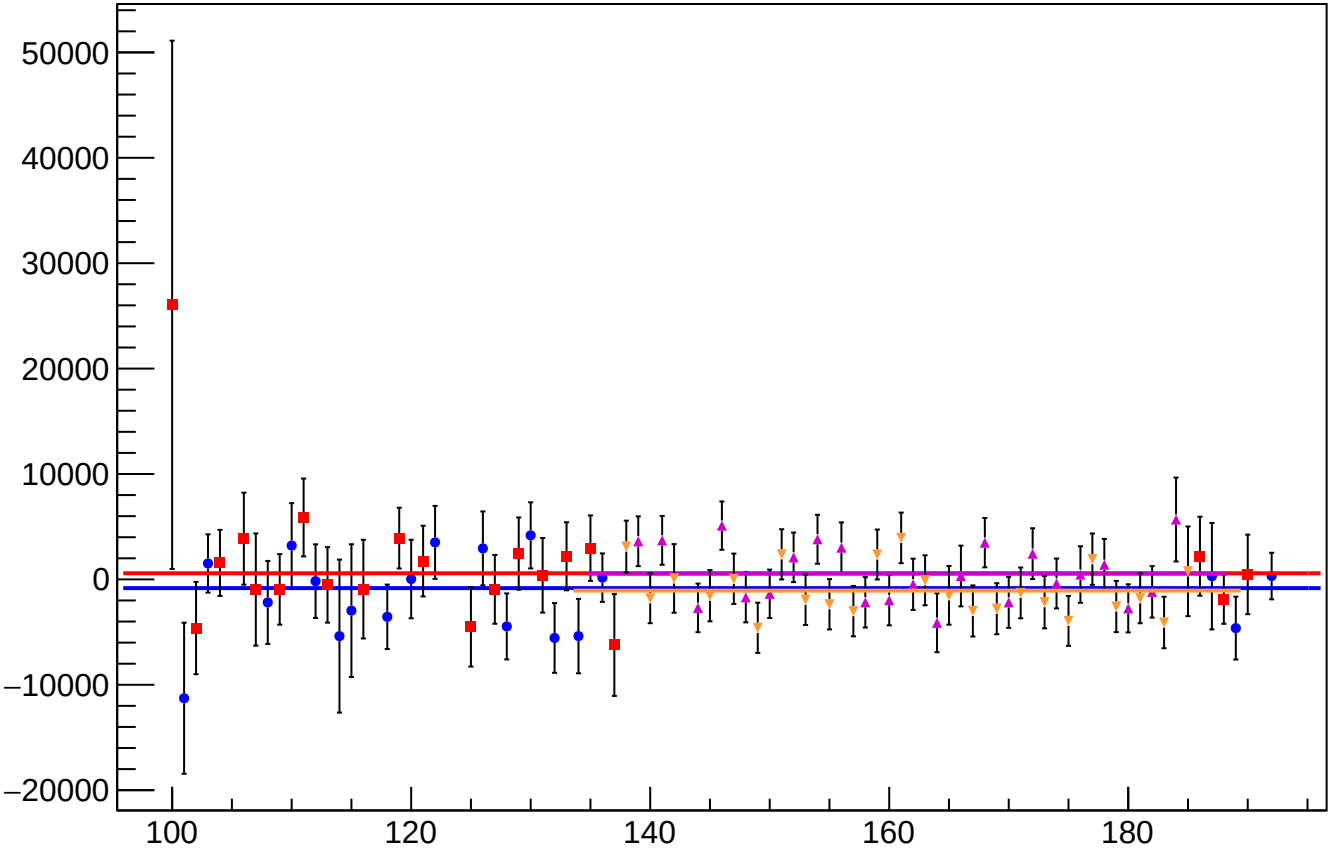
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 133.519+/-0.021 χ^2/NDF: 12639993.2/42

All: 134.060+/-0.015 χ^2/NDF: 24347625.0/86

- sign 134.622+/-0.021 χ^2/NDF: 11706277.0/43

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



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

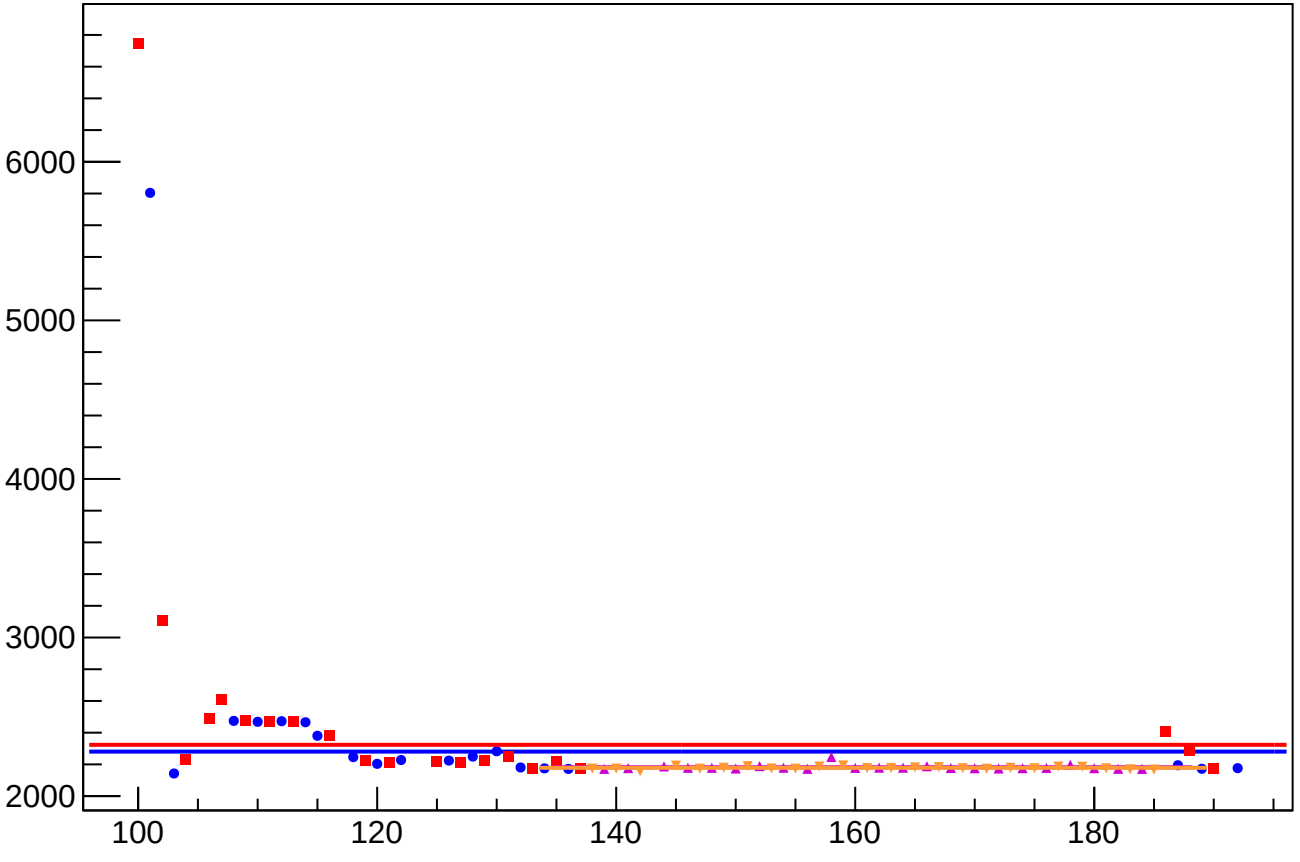
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -992.706+/-423.382 χ^2/NDF: 39.8/42

All: -225.231+/-300.592 χ^2/NDF: 87.8/86

- sign 554.840+/-426.842 χ^2/NDF: 41.5/43

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2280.574+/-0.548 χ^2/NDF: 523488.6/18

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

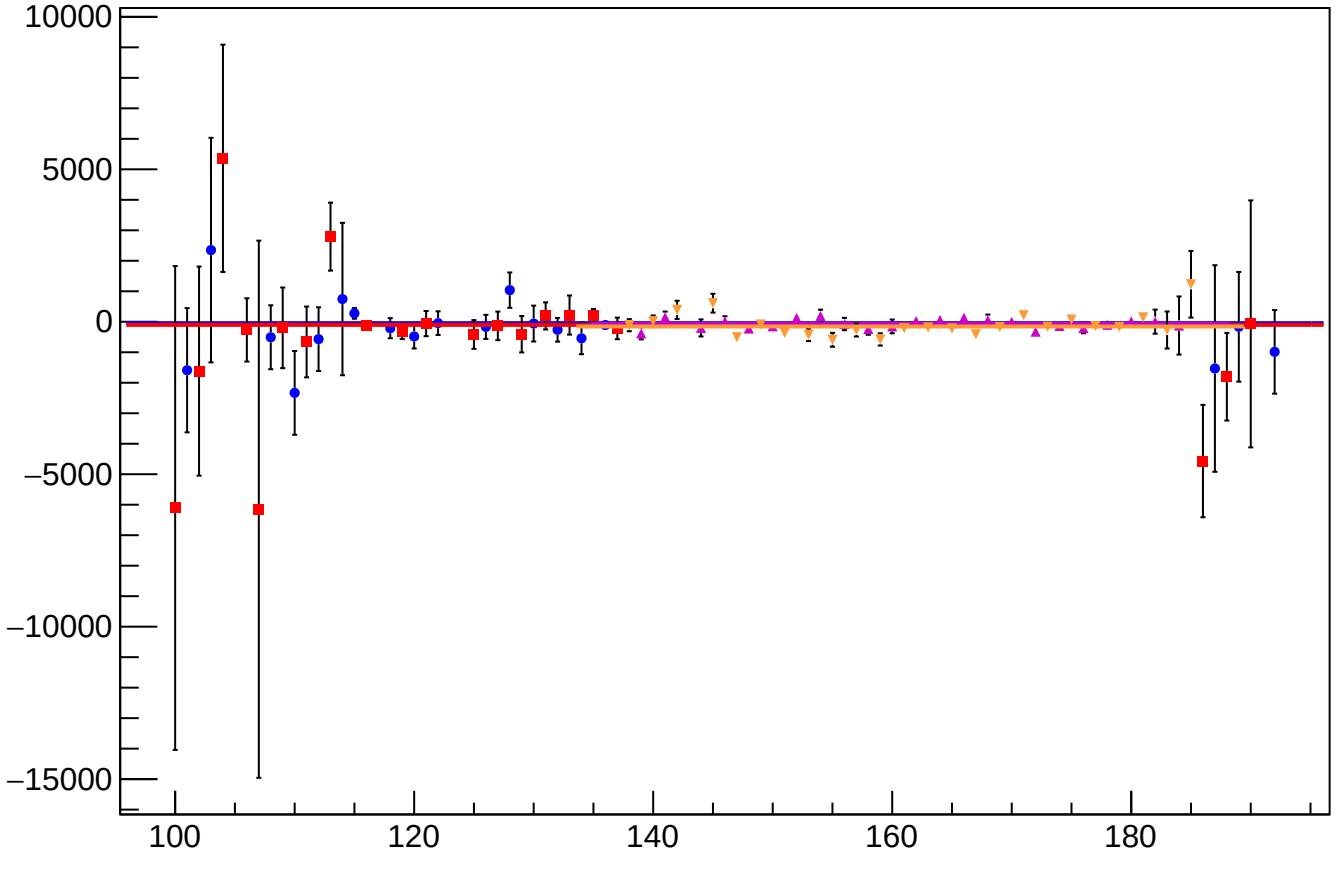
Right Out: 2323.263+/-0.553 χ^2/NDF: 172261.0/20

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2209.008+/-0.299 χ^2/NDF: 548302.3/42

All: 2216.447+/-0.213 χ^2/NDF: 769545.1/86

- sign 2224.009+/-0.302 χ^2/NDF: 219997.6/43



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

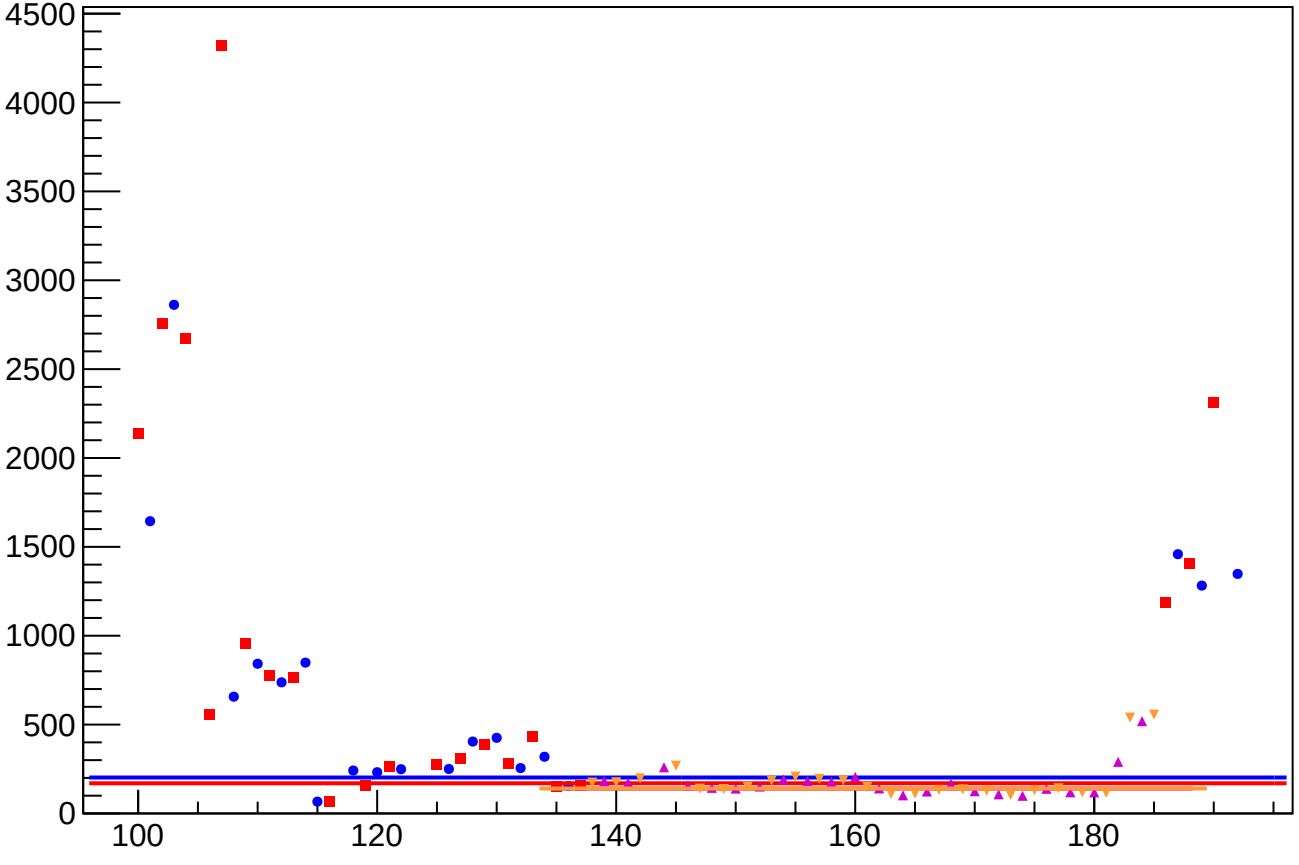
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -141.607+/-31.944 χ^2/NDF: 63.3/42

All: -107.893+/-22.527 χ^2/NDF: 106.8/86

- sign -74.537+/-31.774 χ^2/NDF: 41.3/43

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



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

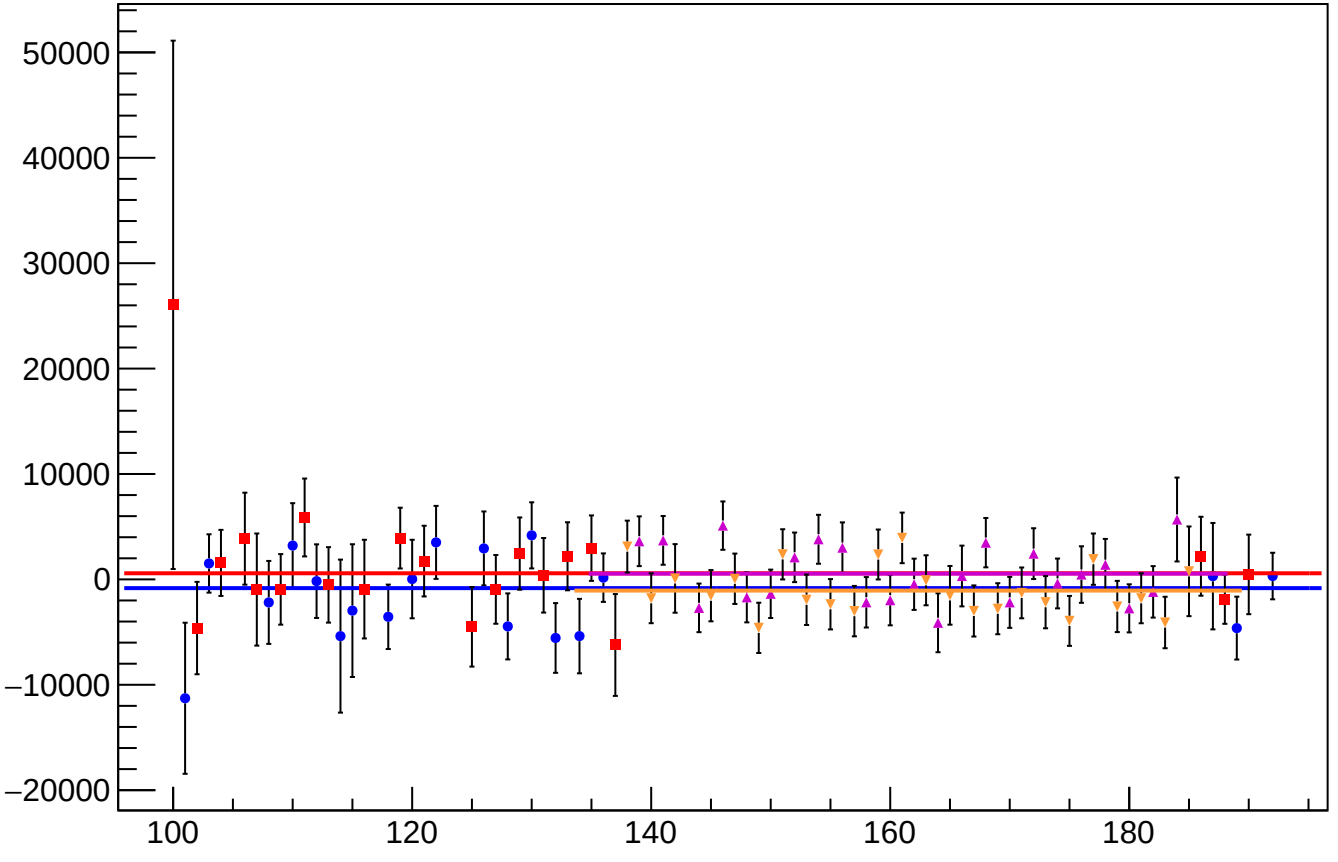
Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 147.776+/-0.023 χ^2/NDF: 11583752.5/42

All: 145.906+/-0.016 χ^2/NDF: 23945276.0/86

- sign 144.056+/-0.022 χ^2/NDF: 12347889.3/43

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



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

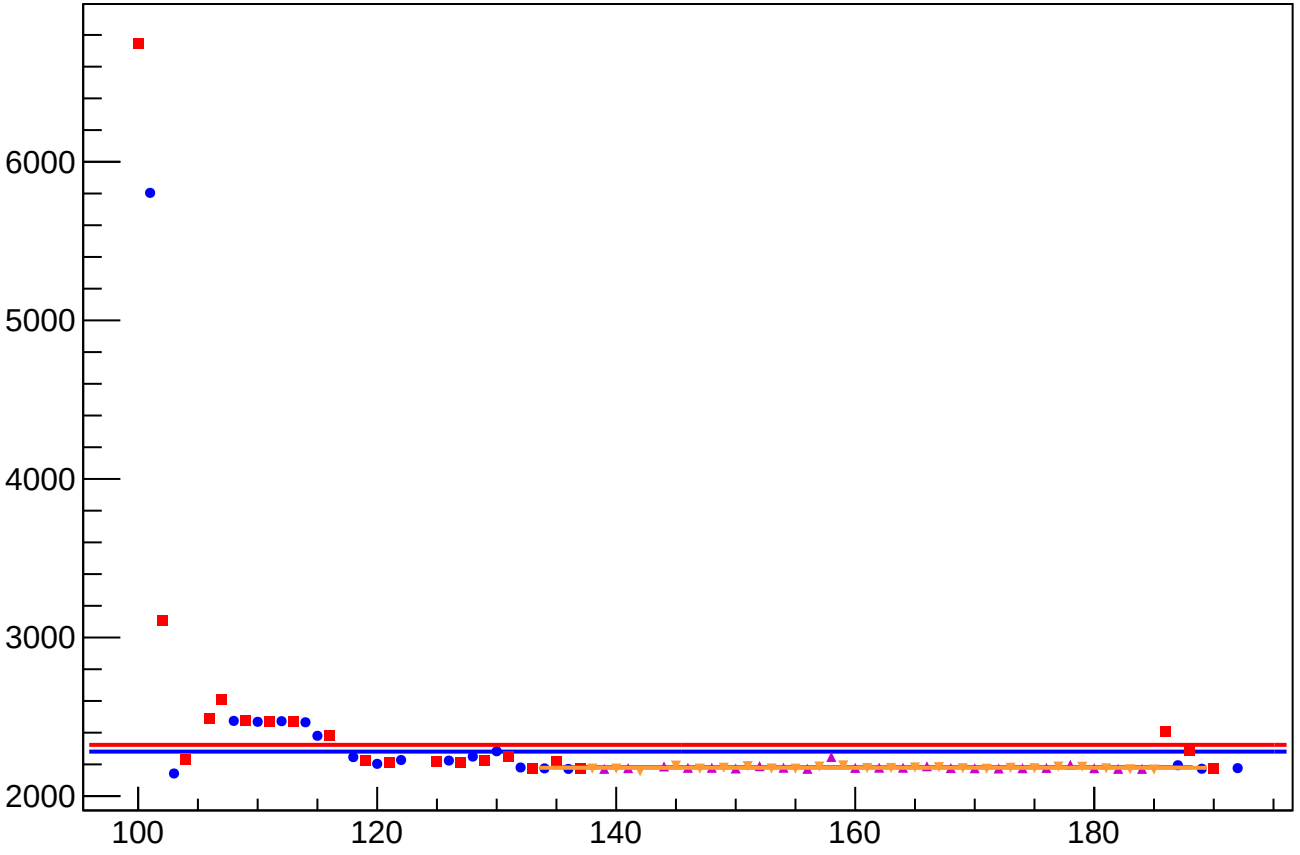
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -992.707+/-423.382 χ^2/NDF: 39.8/42

All: -225.231+/-300.592 χ^2/NDF: 87.8/86

- sign 554.839+/-426.842 χ^2/NDF: 41.5/43

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2280.574+/-0.548 χ^2/NDF: 523488.6/18

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

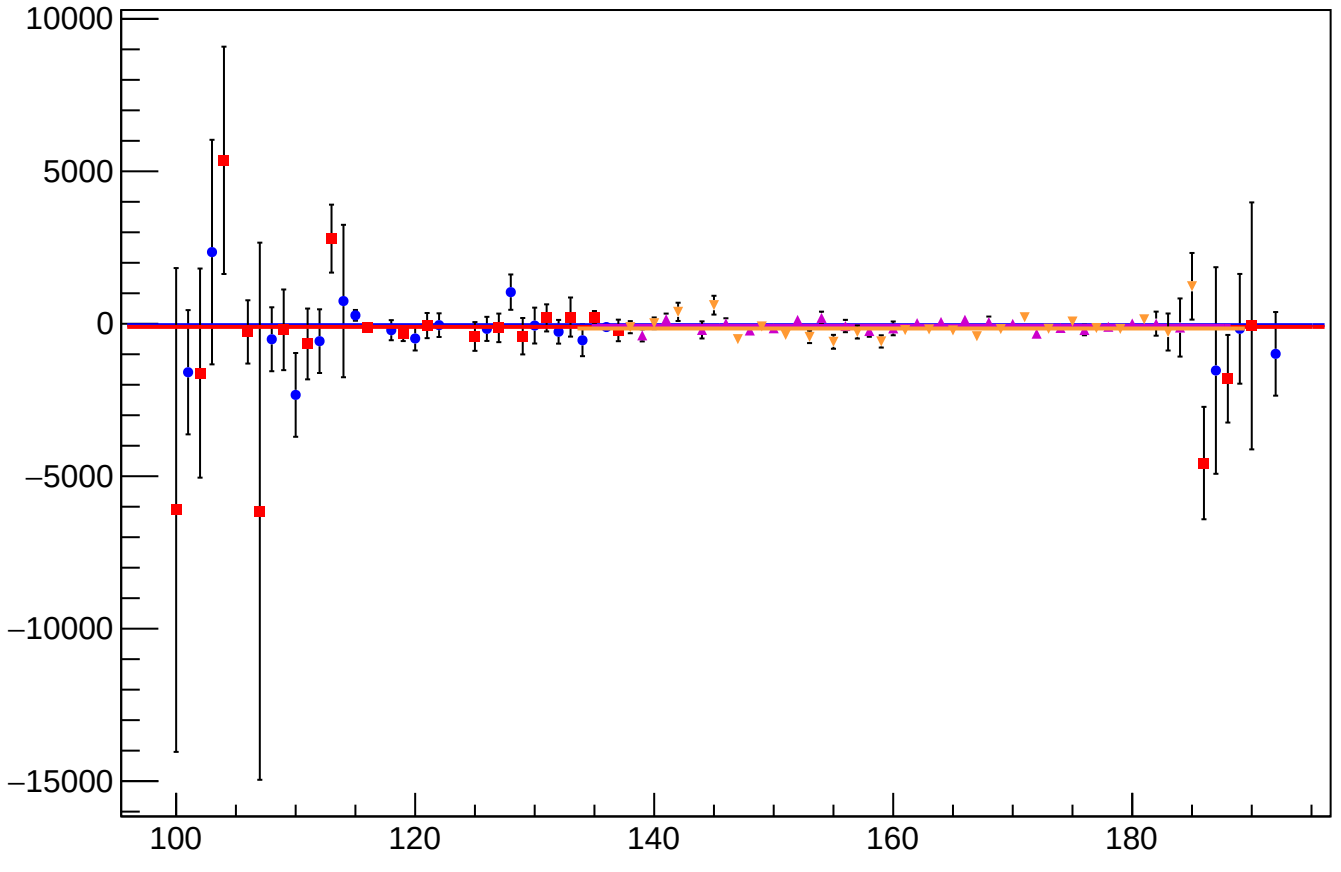
Right Out: 2323.263+/-0.553 χ^2/NDF: 172260.9/20

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2209.008+/-0.299 χ^2/NDF: 548302.3/42

All: 2216.447+/-0.213 χ^2/NDF: 769545.0/86

- sign 2224.009+/-0.302 χ^2/NDF: 219997.5/43



Right In: -45.807+/-92.044 χ^2/NDF: 14.7/18

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

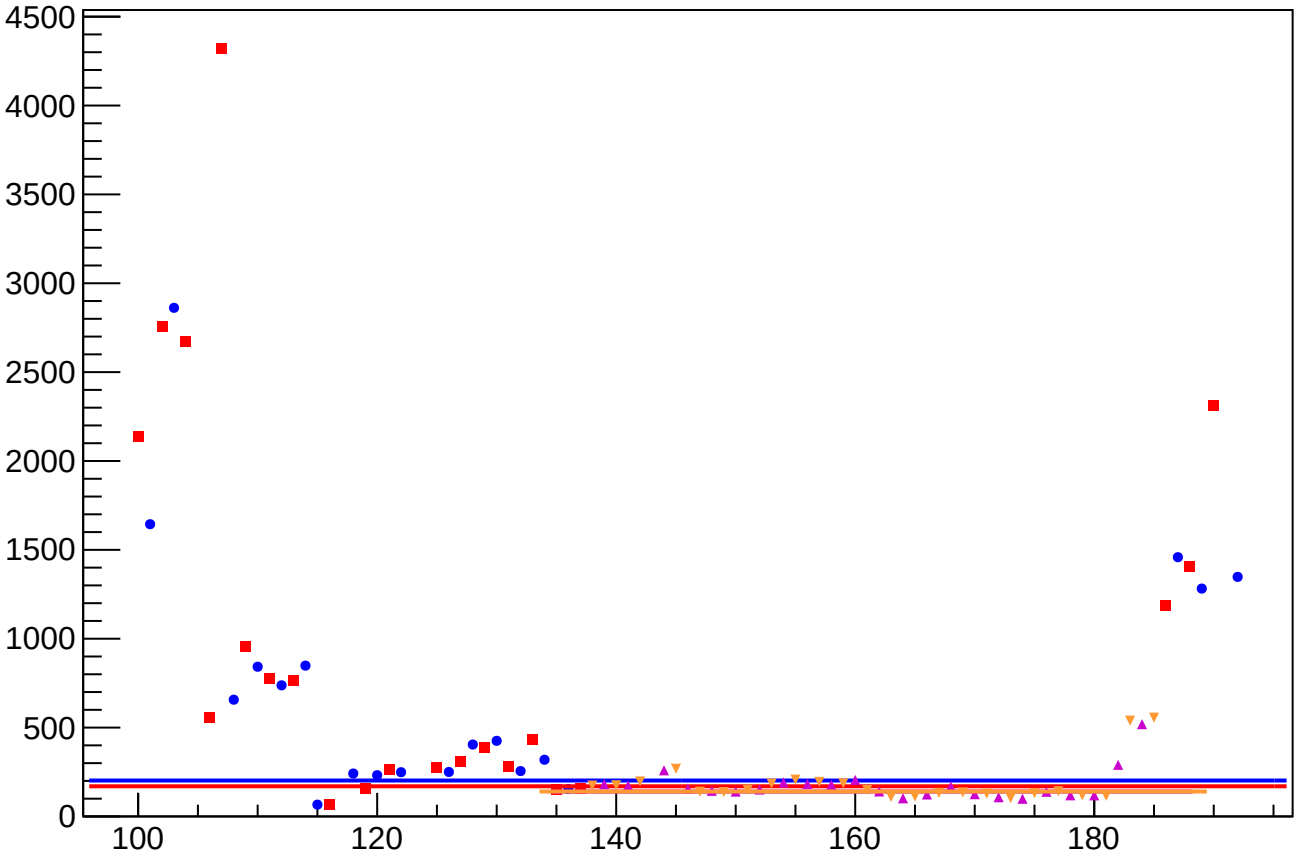
Right Out: -102.208+/-85.820 χ^2/NDF: 22.3/20

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -141.608+/-31.944 χ^2/NDF: 63.3/42

All: -107.893+/-22.527 χ^2/NDF: 106.8/86

- sign -74.536+/-31.774 χ^2/NDF: 41.3/43



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

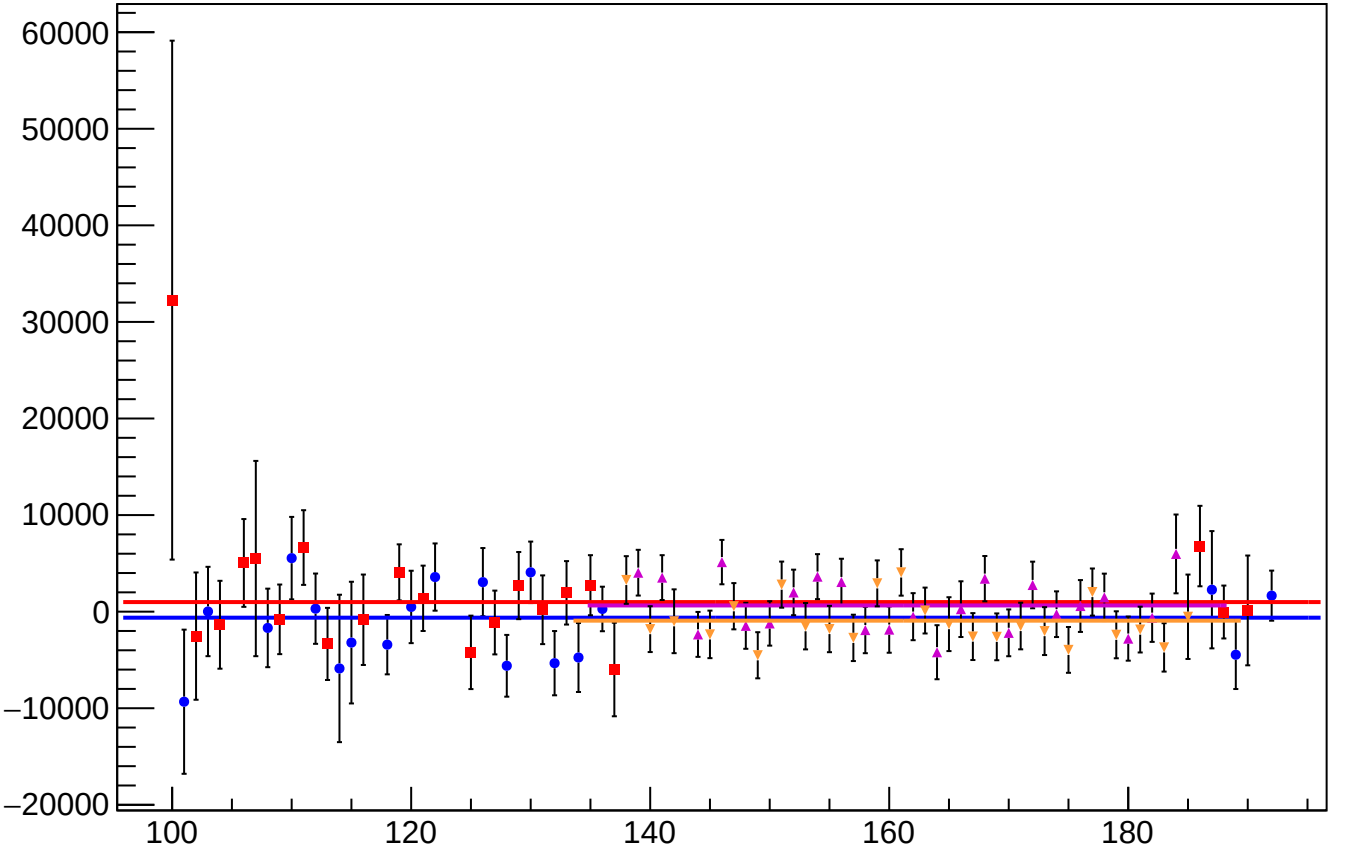
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 147.776+/-0.023 χ^2/NDF: 11583735.8/42

All: 145.906+/-0.016 χ^2/NDF: 23945351.3/86

- sign 144.056+/-0.022 χ^2/NDF: 12347979.3/43

asym_us_dd_at1lr_dd_avg_mean vs Slug



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

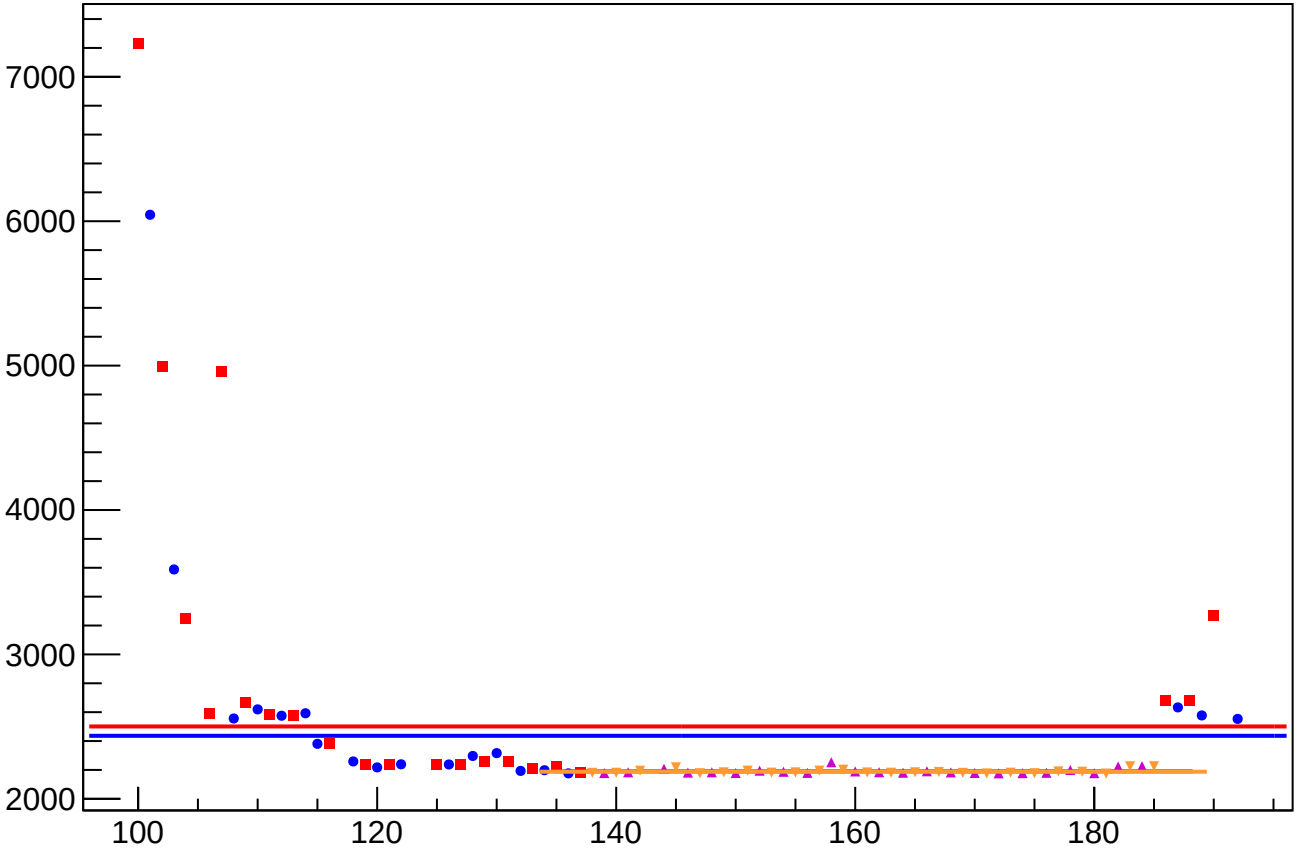
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -848.470+/-433.314 χ^2/NDF: 40.5/42

All: -65.602+/-308.147 χ^2/NDF: 89.3/86

- sign 735.381+/-438.299 χ^2/NDF: 42.2/43

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2436.311+/-0.588 χ^2/NDF: 688171.5/18

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

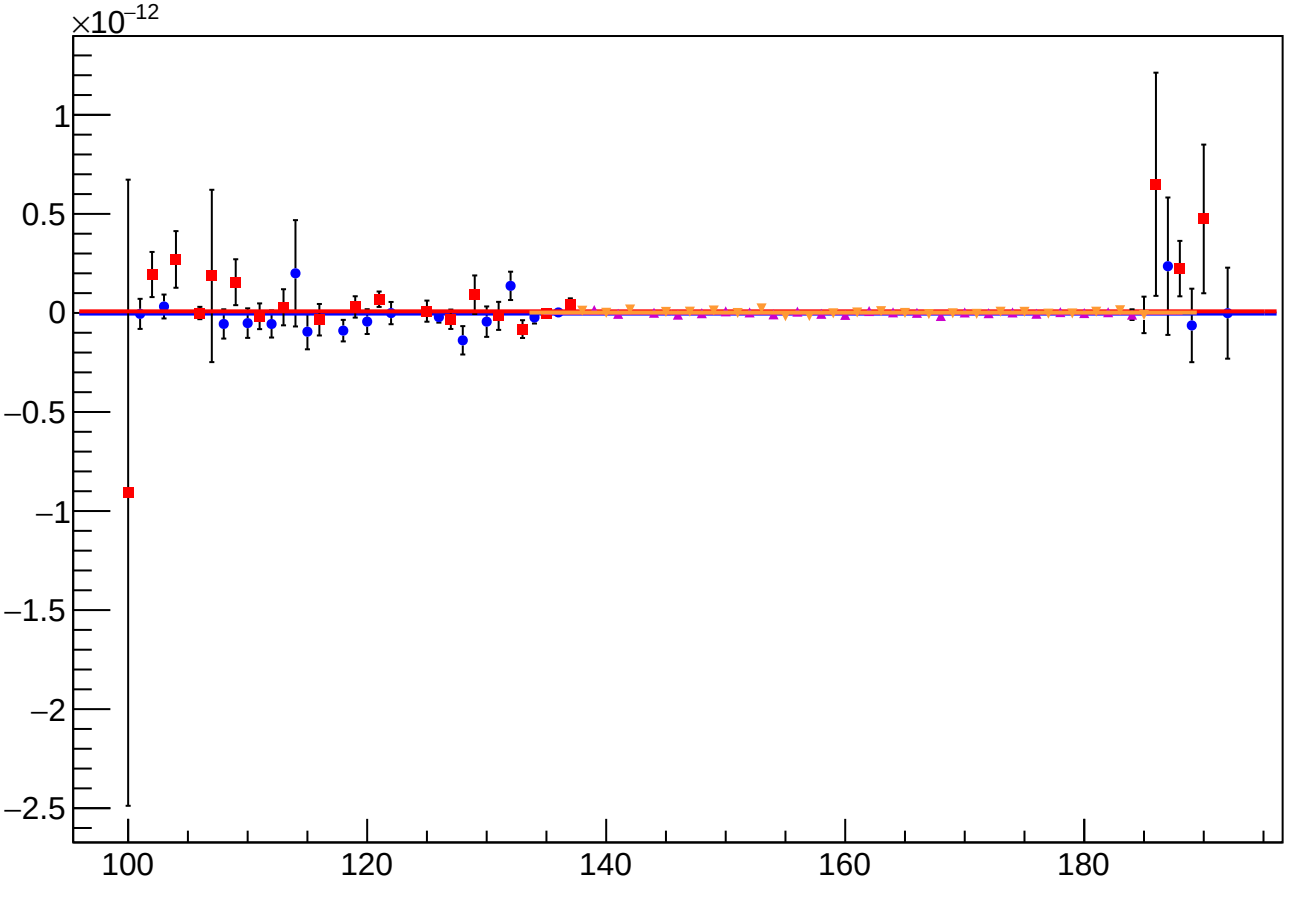
Right Out: 2501.113+/-0.602 χ^2/NDF: 688006.5/20

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2255.167+/-0.306 χ^2/NDF: 819846.9/42

All: 2263.824+/-0.218 χ^2/NDF: 1708255.4/86

- sign 2272.682+/-0.310 χ^2/NDF: 886793.4/43



Right In: -0.000+/-0.000 χ^2/NDF: 16.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

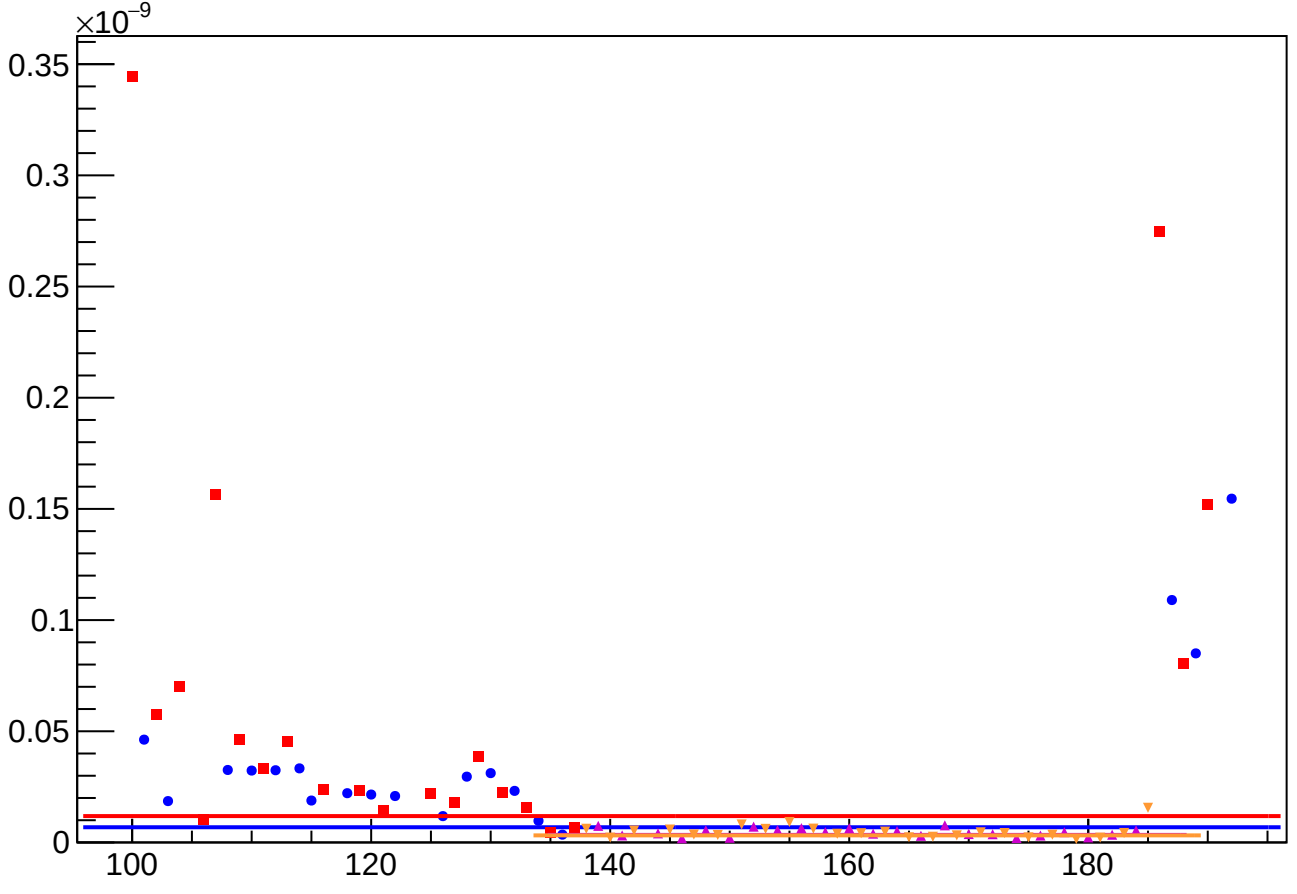
Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/20

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.2/42

All: 0.000+/-0.000 χ^2/NDF: 74.6/86

- sign 0.000+/-0.000 χ^2/NDF: 38.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 4216232.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

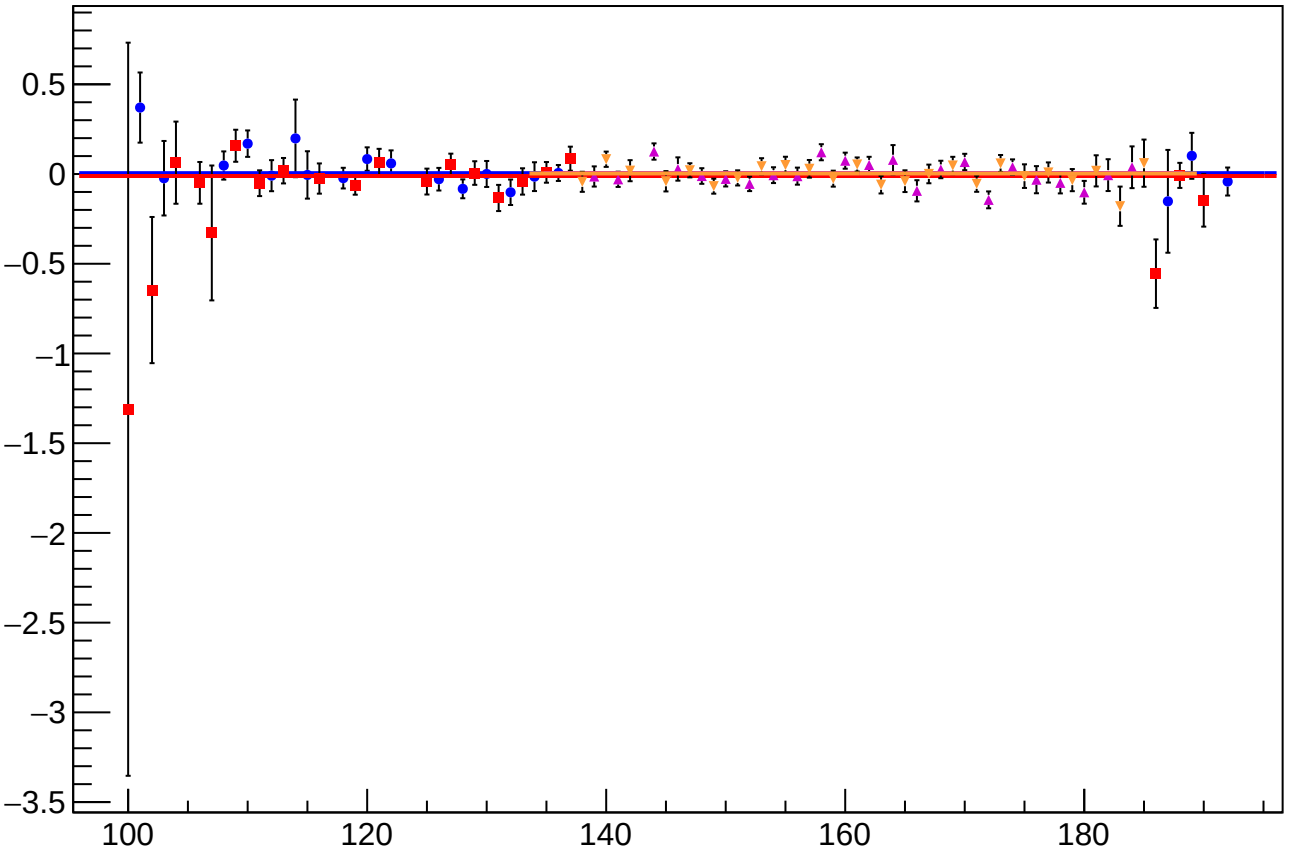
Right Out: 0.000+/-0.000 χ^2/NDF: 3900727.2/20

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6921266.6/42

All: 0.000+/-0.000 χ^2/NDF: 14022429.5/86

- sign 0.000+/-0.000 χ^2/NDF: 7074957.1/43



Right In: 0.005+/-0.018 χ^2/NDF: 18.5/18

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

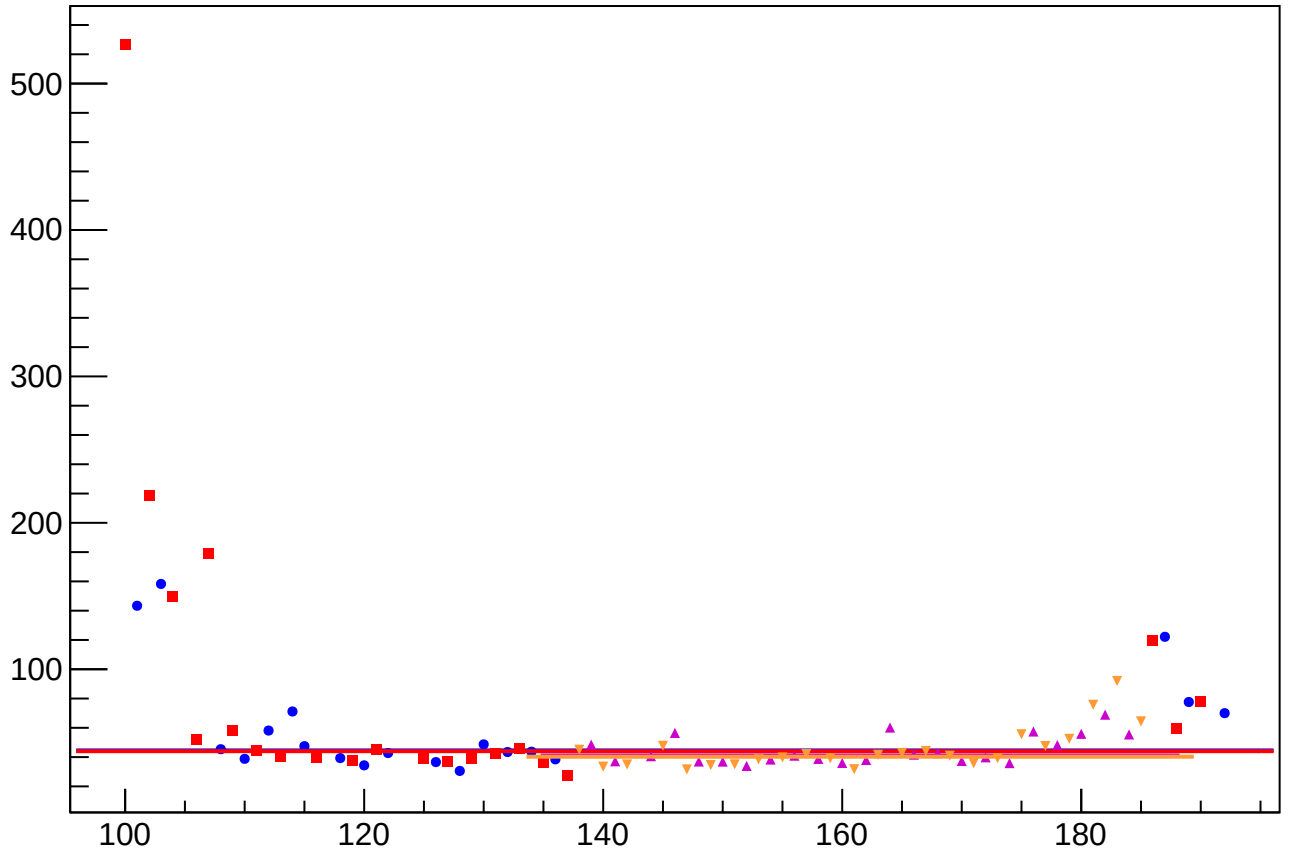
Right Out: -0.011+/-0.018 χ^2/NDF: 25.4/20

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/42

All: 0.002+/-0.006 χ^2/NDF: 107.8/86

- sign 0.001+/-0.009 χ^2/NDF: 67.5/43



Right In: 44.547+/-0.012 χ^2/NDF: 1981732.4/18

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

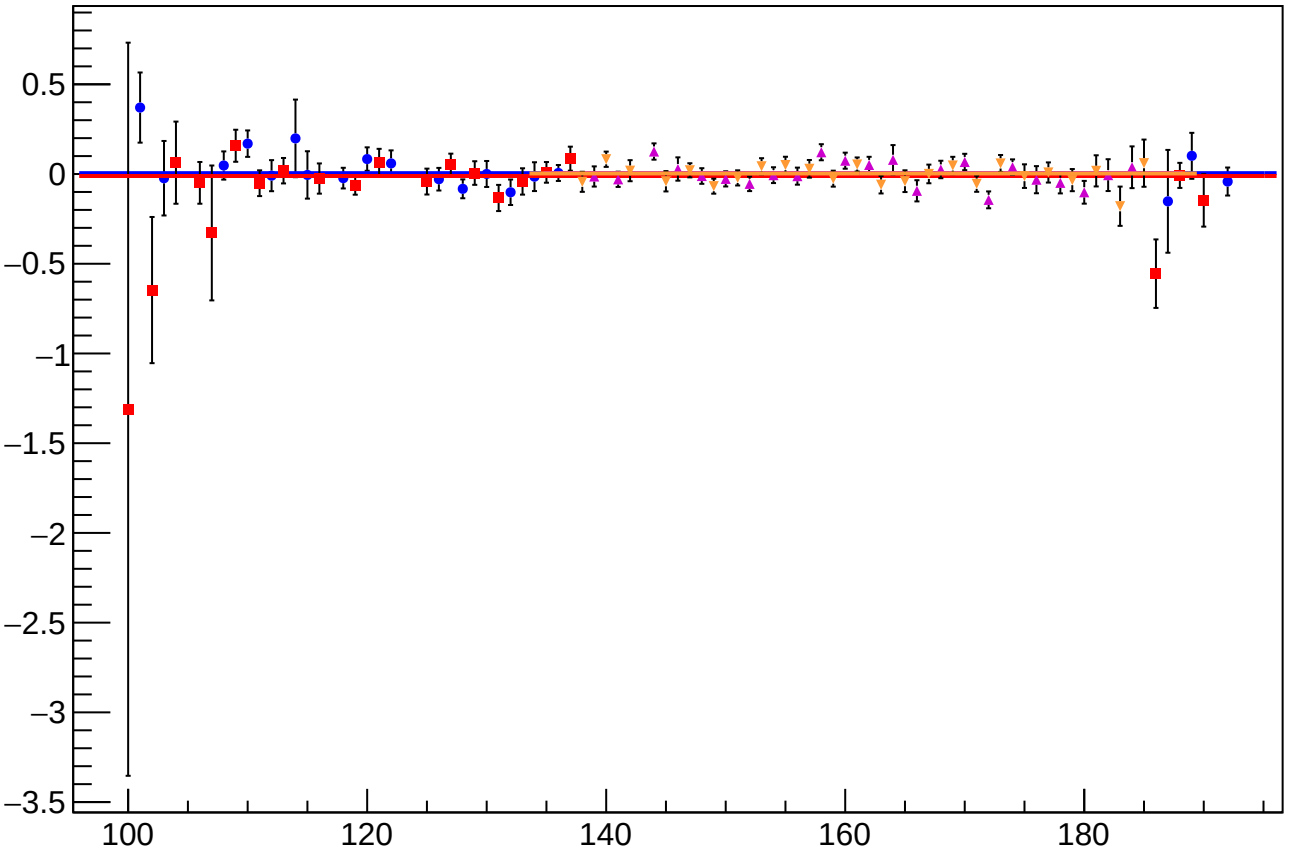
Right Out: 44.042+/-0.013 χ^2/NDF: 1991234.5/20

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 41.379+/-0.006 χ^2/NDF: 3558360.0/42

All: 41.614+/-0.005 χ^2/NDF: 6520314.5/86

- sign 41.856+/-0.006 χ^2/NDF: 2959151.0/43



Right In: 0.005+/-0.018 χ^2/NDF: 18.5/18

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

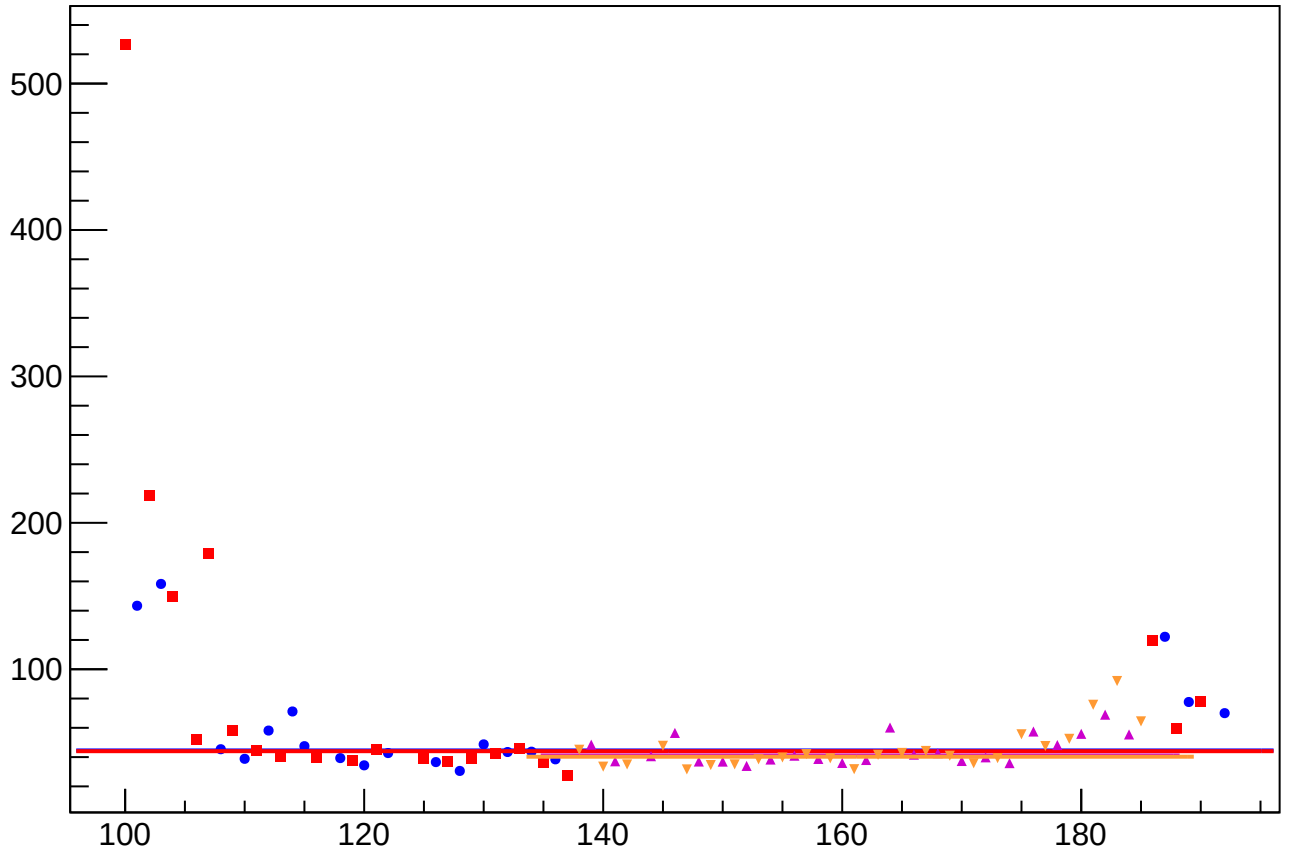
Right Out: -0.011+/-0.018 χ^2/NDF: 25.4/20

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/42

All: 0.002+/-0.006 χ^2/NDF: 107.8/86

- sign 0.001+/-0.009 χ^2/NDF: 67.5/43



Right In: 44.547+/-0.012 χ^2/NDF: 1981732.4/18

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

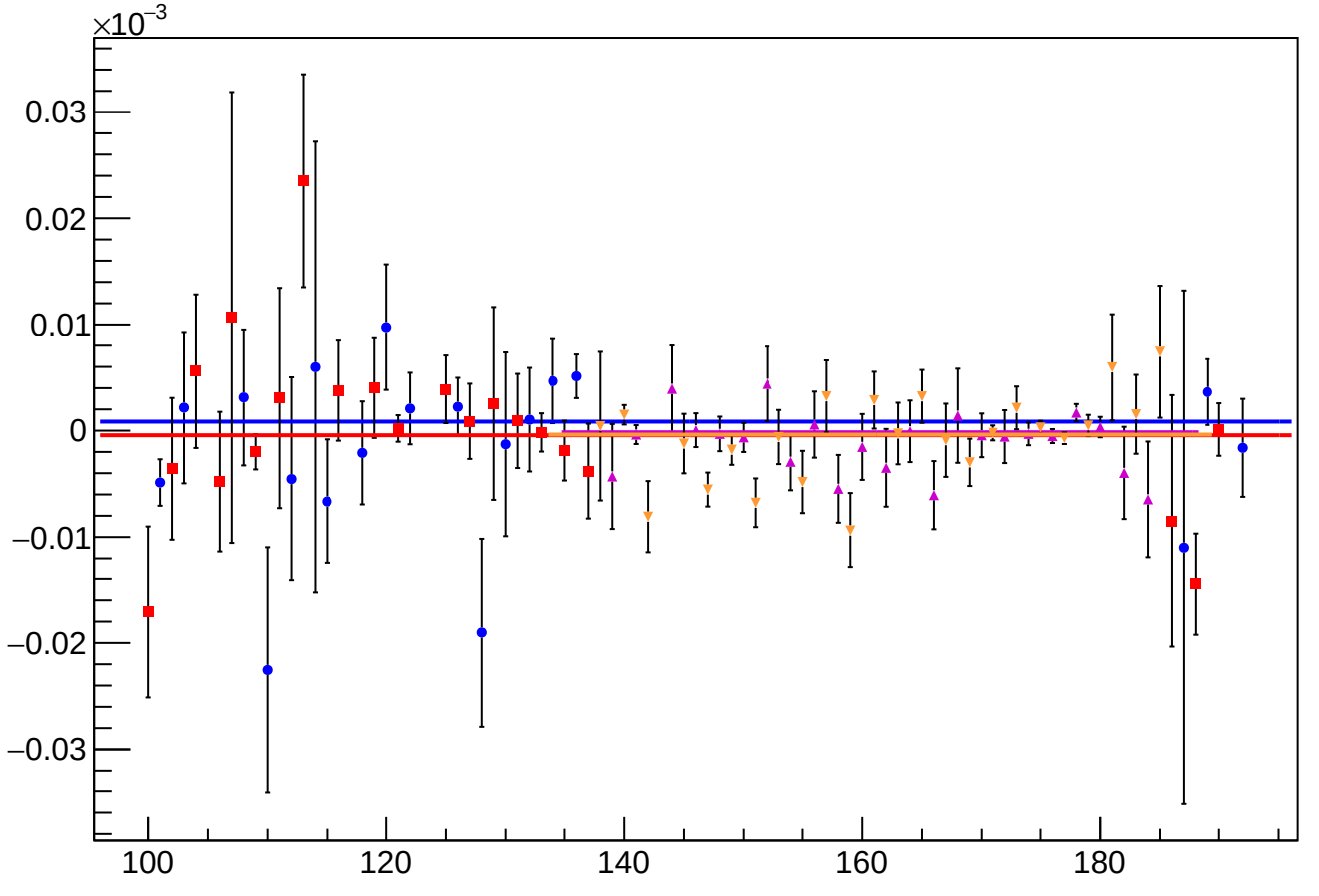
Right Out: 44.042+/-0.013 χ^2/NDF: 1991234.5/20

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 41.379+/-0.006 χ^2/NDF: 3558360.0/42

All: 41.614+/-0.005 χ^2/NDF: 6520314.5/86

- sign 41.856+/-0.006 χ^2/NDF: 2959151.0/43



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

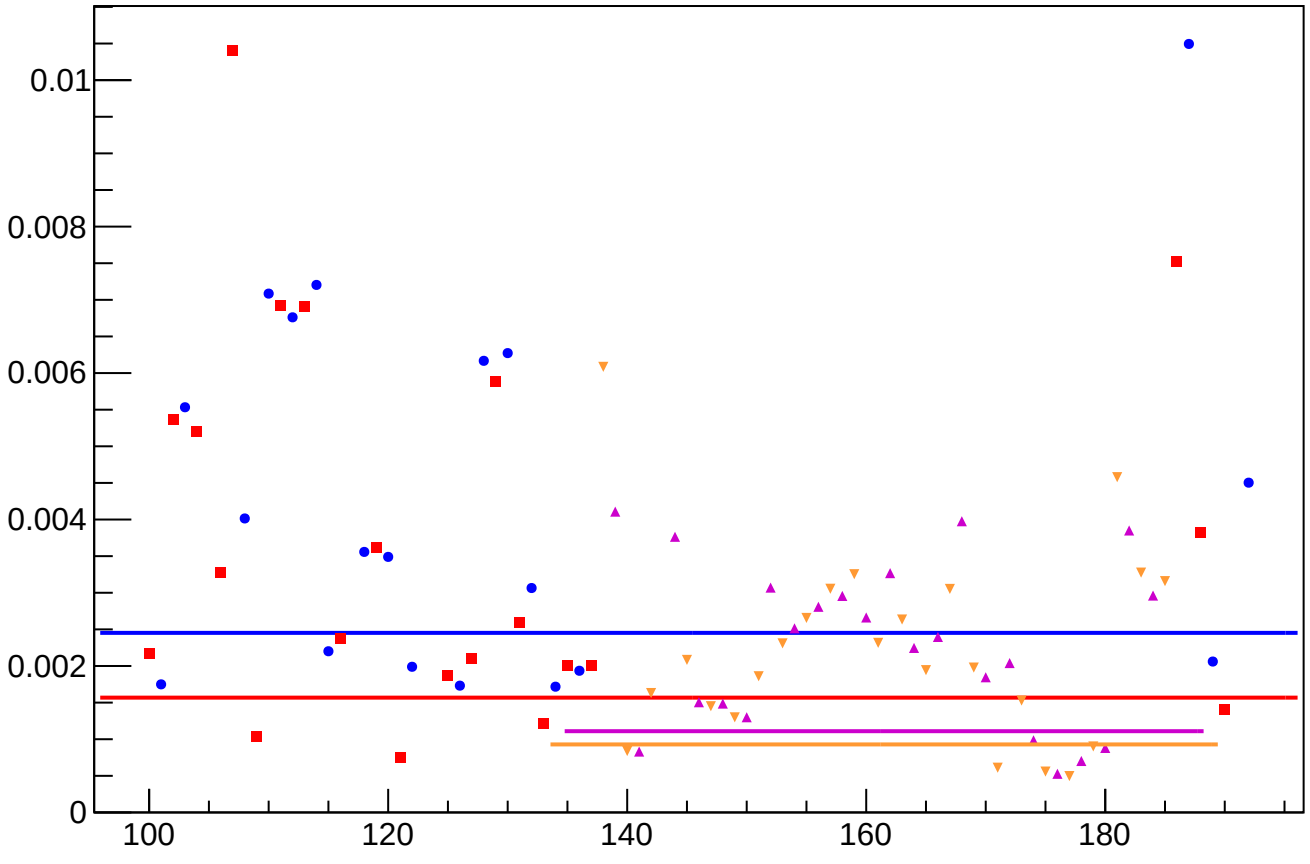
Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/20

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.6/42

All: -0.000+/-0.000 χ^2/NDF: 127.3/86

- sign -0.000+/-0.000 χ^2/NDF: 46.7/43



Right In: 0.002+/-0.000 χ^2/NDF: 3492012.5/18

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

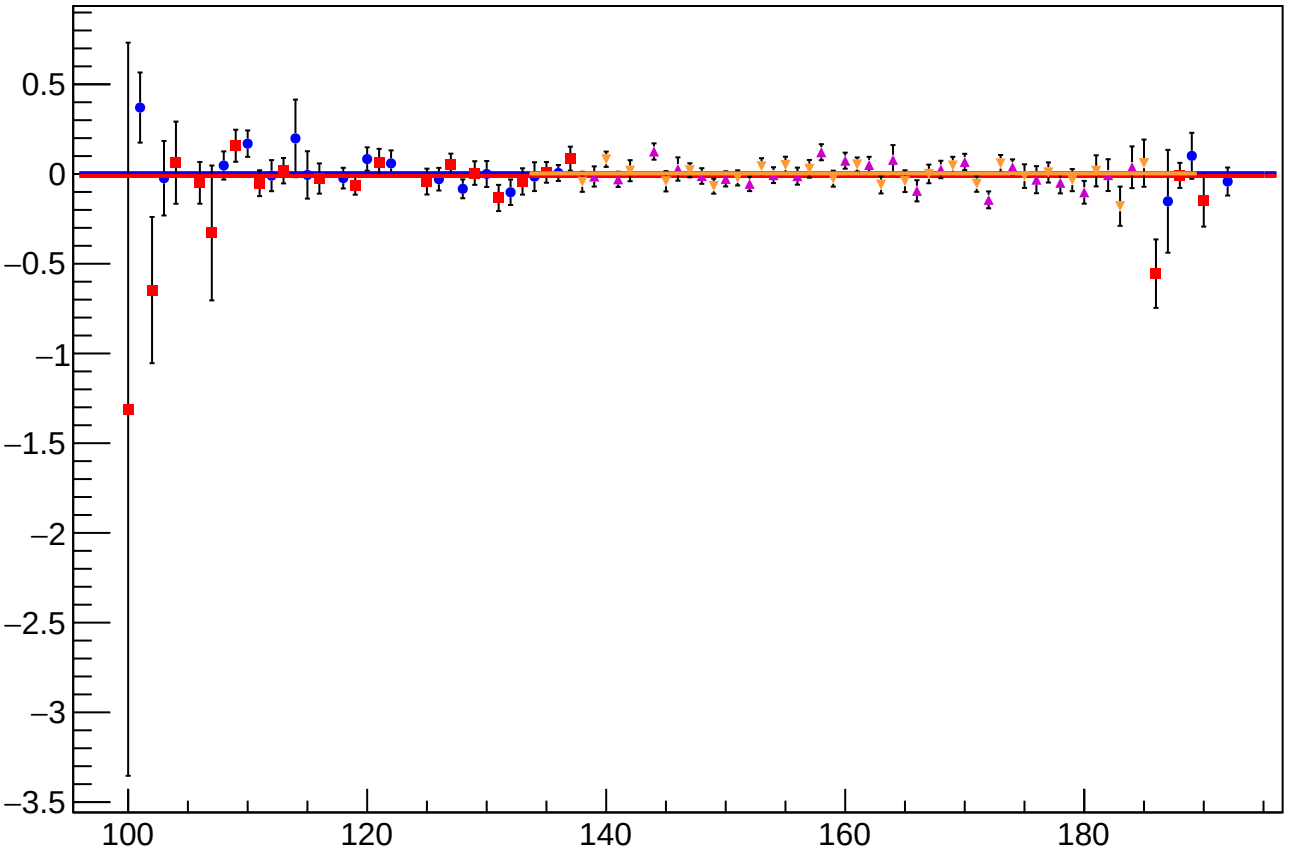
Right Out: 0.002+/-0.000 χ^2/NDF: 5976512.3/20

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

\+ sign 0.001+/-0.000 χ^2/NDF: 20840693.1/42

All: 0.001+/-0.000 χ^2/NDF: 38741199.3/86

\- sign 0.001+/-0.000 χ^2/NDF: 17643686.0/43



Right In: 0.005+/-0.018 χ^2/NDF: 18.5/18

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

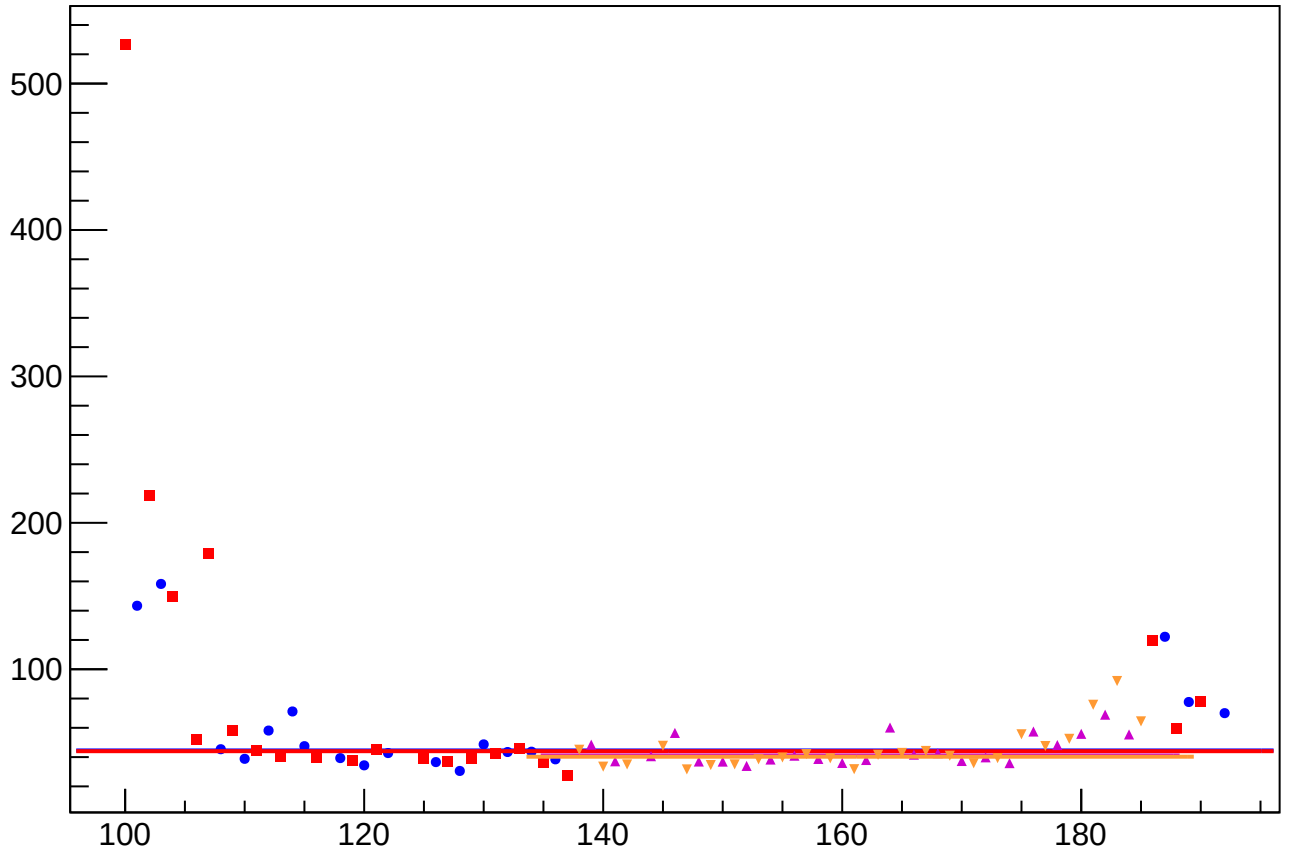
Right Out: -0.011+/-0.018 χ^2/NDF: 25.4/20

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/42

All: 0.002+/-0.006 χ^2/NDF: 107.8/86

- sign 0.001+/-0.009 χ^2/NDF: 67.5/43



Right In: 44.545+/-0.012 χ^2/NDF: 1982019.9/18

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

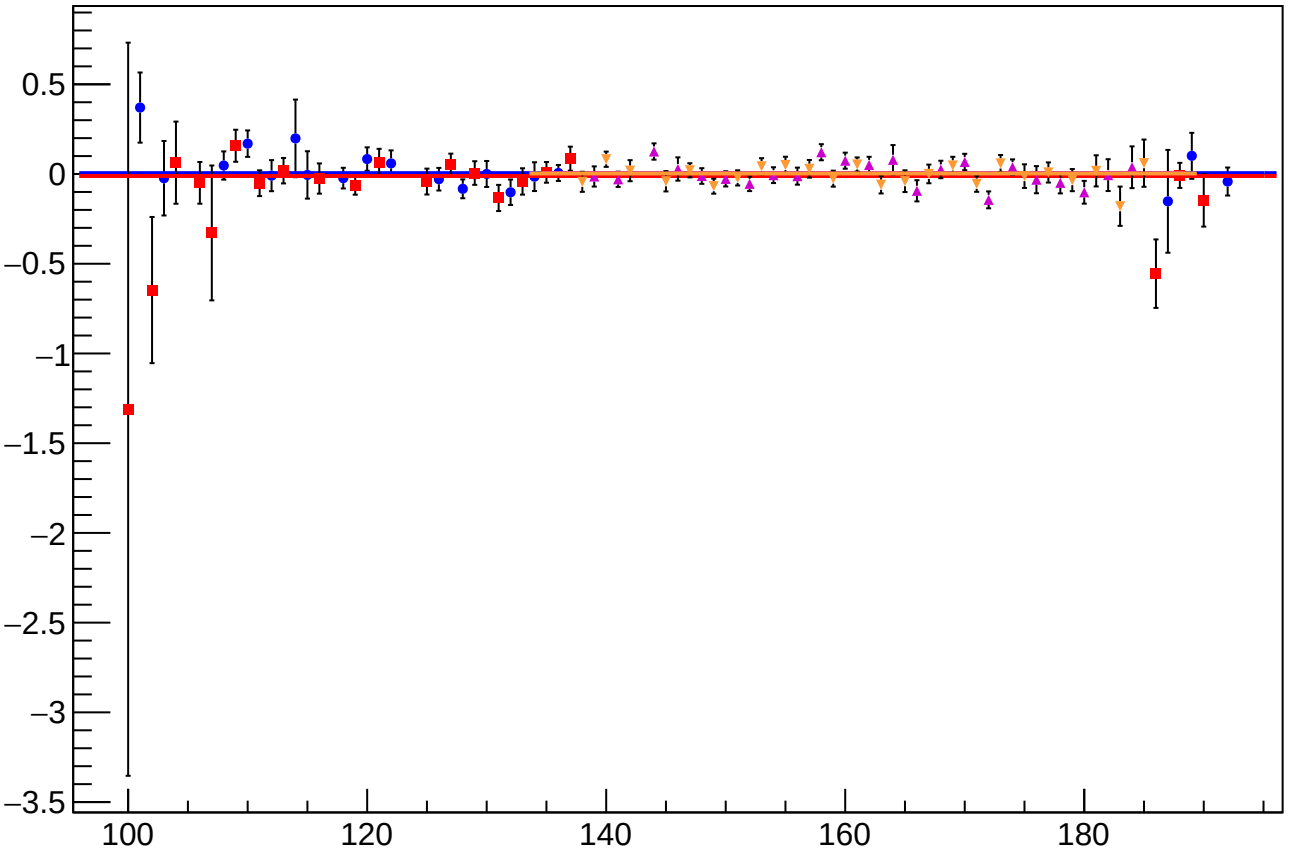
Right Out: 44.043+/-0.013 χ^2/NDF: 1991236.4/20

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 41.379+/-0.006 χ^2/NDF: 3558530.9/42

All: 41.614+/-0.005 χ^2/NDF: 6520547.3/86

- sign 41.856+/-0.006 χ^2/NDF: 2959205.5/43



Right In: 0.005+/-0.018 χ^2/NDF: 18.5/18

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

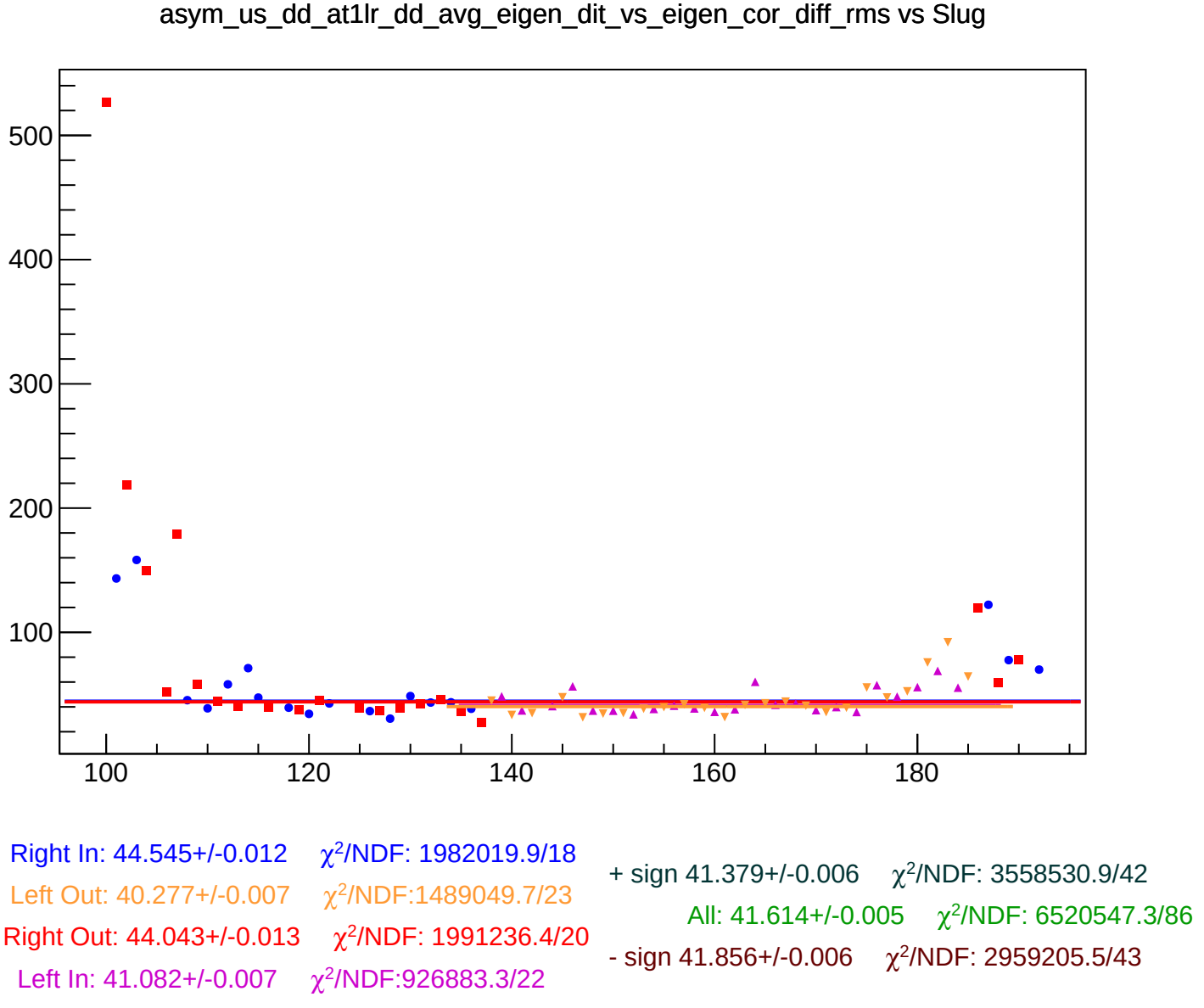
Right Out: -0.011+/-0.018 χ^2/NDF: 25.4/20

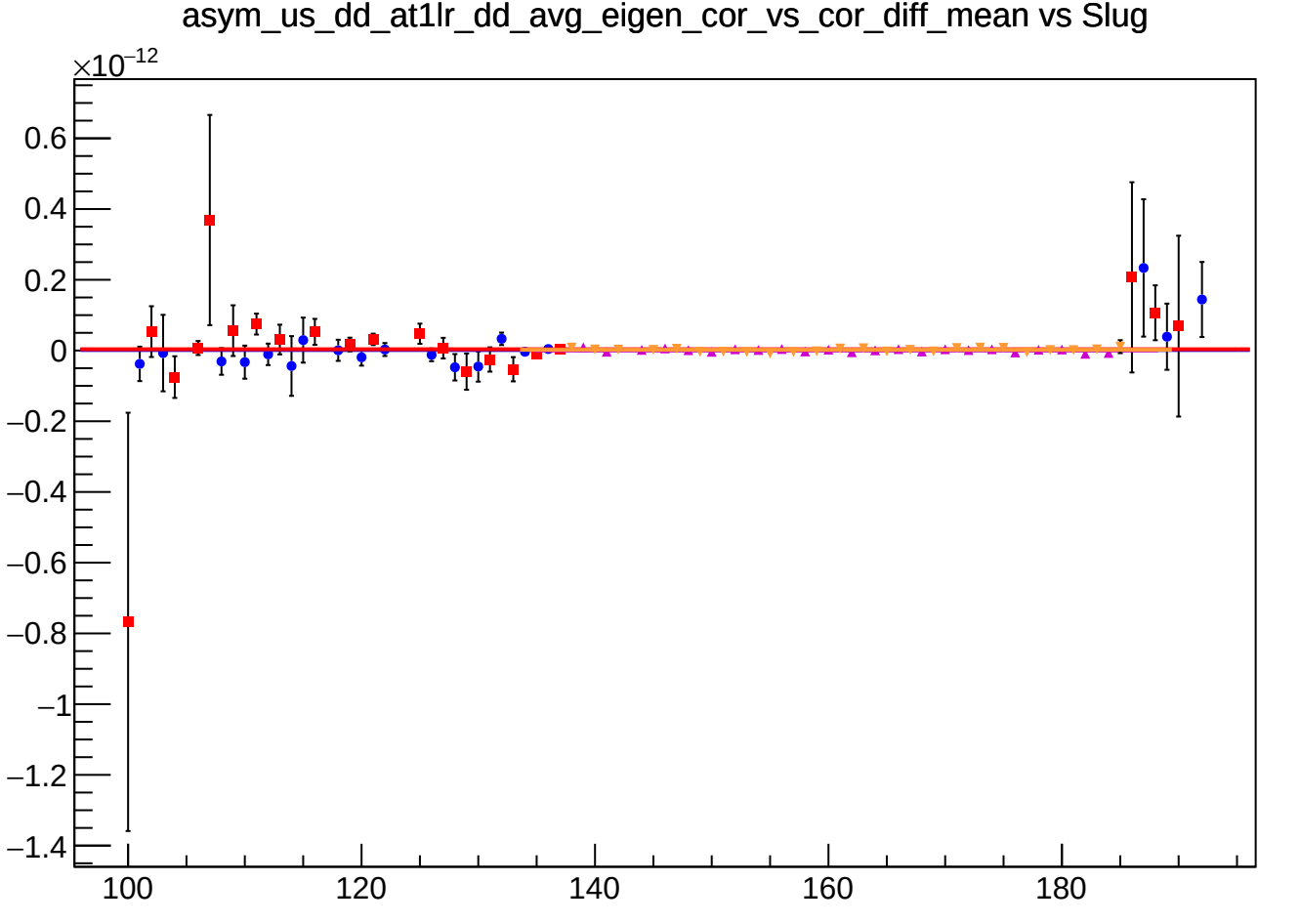
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/42

All: 0.002+/-0.006 χ^2/NDF: 107.8/86

- sign 0.001+/-0.009 χ^2/NDF: 67.5/43


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
120
140
160
180
Right In: 44.545+/-0.012 χ²/NDF: 1982019.9/18
Left Out: 40.277+/-0.007 χ²/NDF:1489049.7/23
Right Out: 44.043+/-0.013 χ²/NDF: 1991236.4/20
Left In: 41.082+/-0.007 χ²/NDF:926883.3/22
+ sign 41.379+/-0.006 χ²/NDF: 3558530.9/42
All: 41.614+/-0.005 χ²/NDF: 6520547.3/86
- sign 41.856+/-0.006 χ²/NDF: 2959205.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

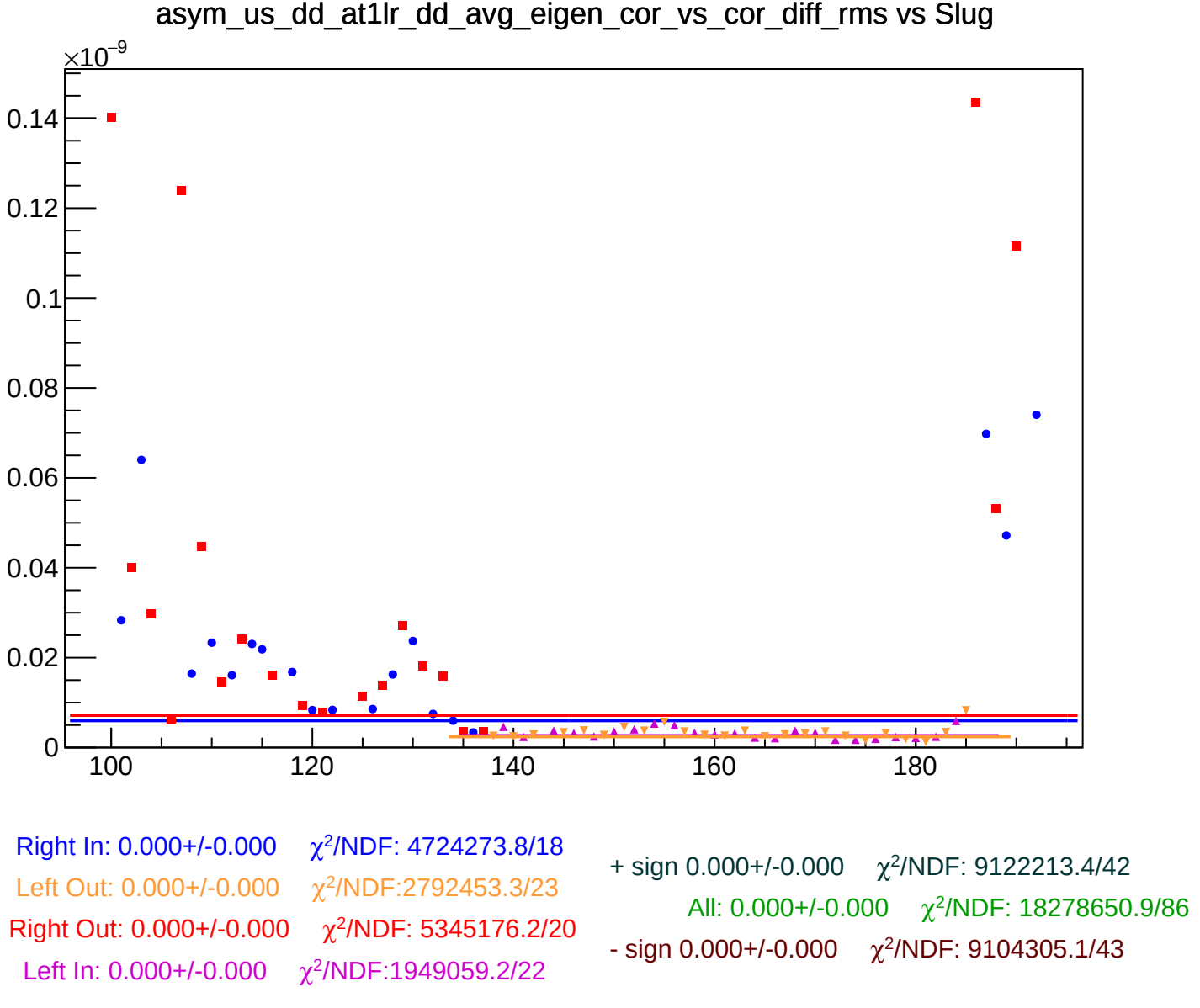
Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/20

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

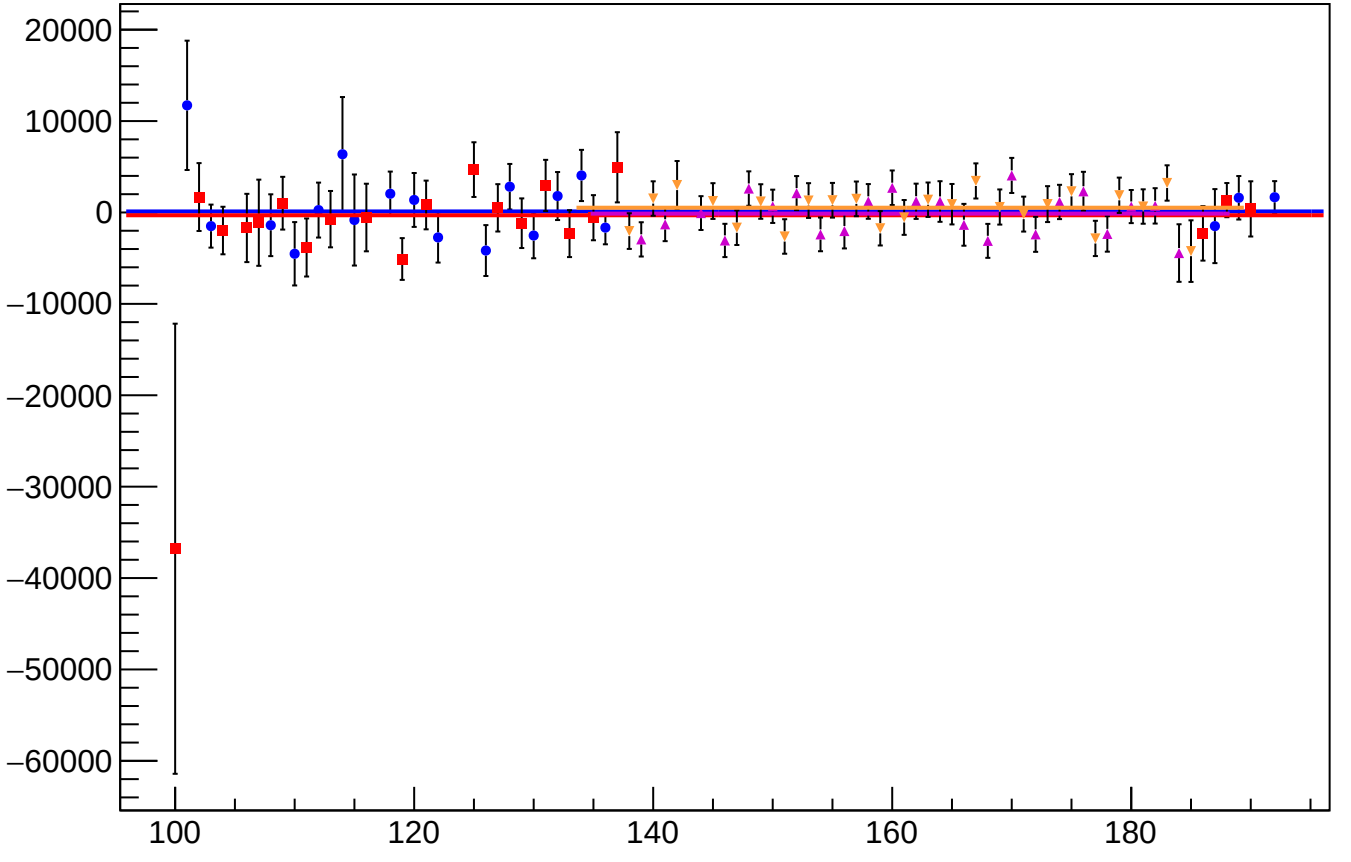
+ sign 0.000+/-0.000 χ^2/NDF: 39.1/42

All: 0.000+/-0.000 χ^2/NDF: 95.9/86

- sign 0.000+/-0.000 χ^2/NDF: 54.8/43


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×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
+ sign 0.000+/-0.000 χ²/NDF: 9122213.4/42
All: 0.000+/-0.000 χ²/NDF: 18278650.9/86
- sign 0.000+/-0.000 χ²/NDF: 9104305.1/43

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



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

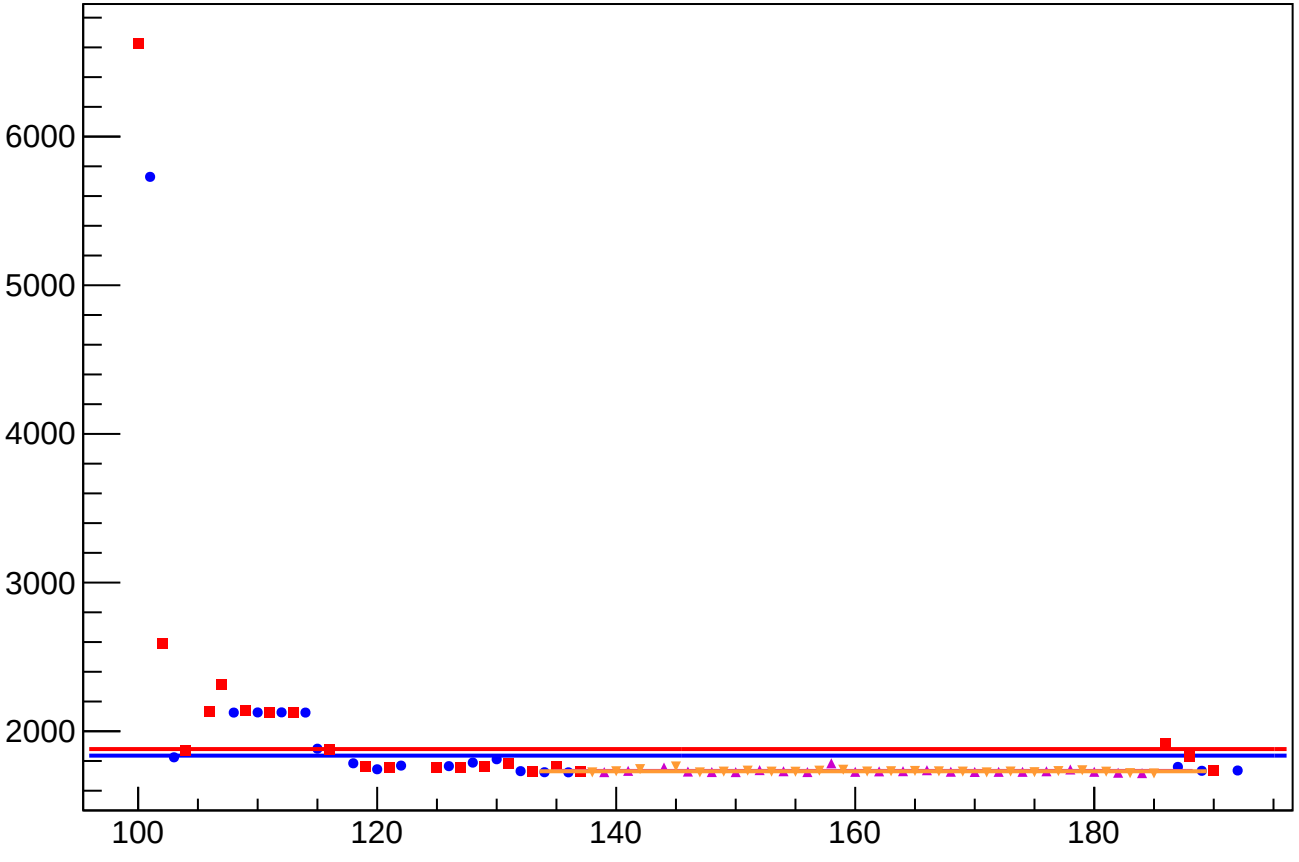
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 401.210+/-338.151 χ^2/NDF: 38.5/42

All: 114.106+/-240.169 χ^2/NDF: 86.6/86

- sign -178.145+/-341.169 χ^2/NDF: 46.7/43

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1835.987+/-0.443 χ^2/NDF: 688518.0/18

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

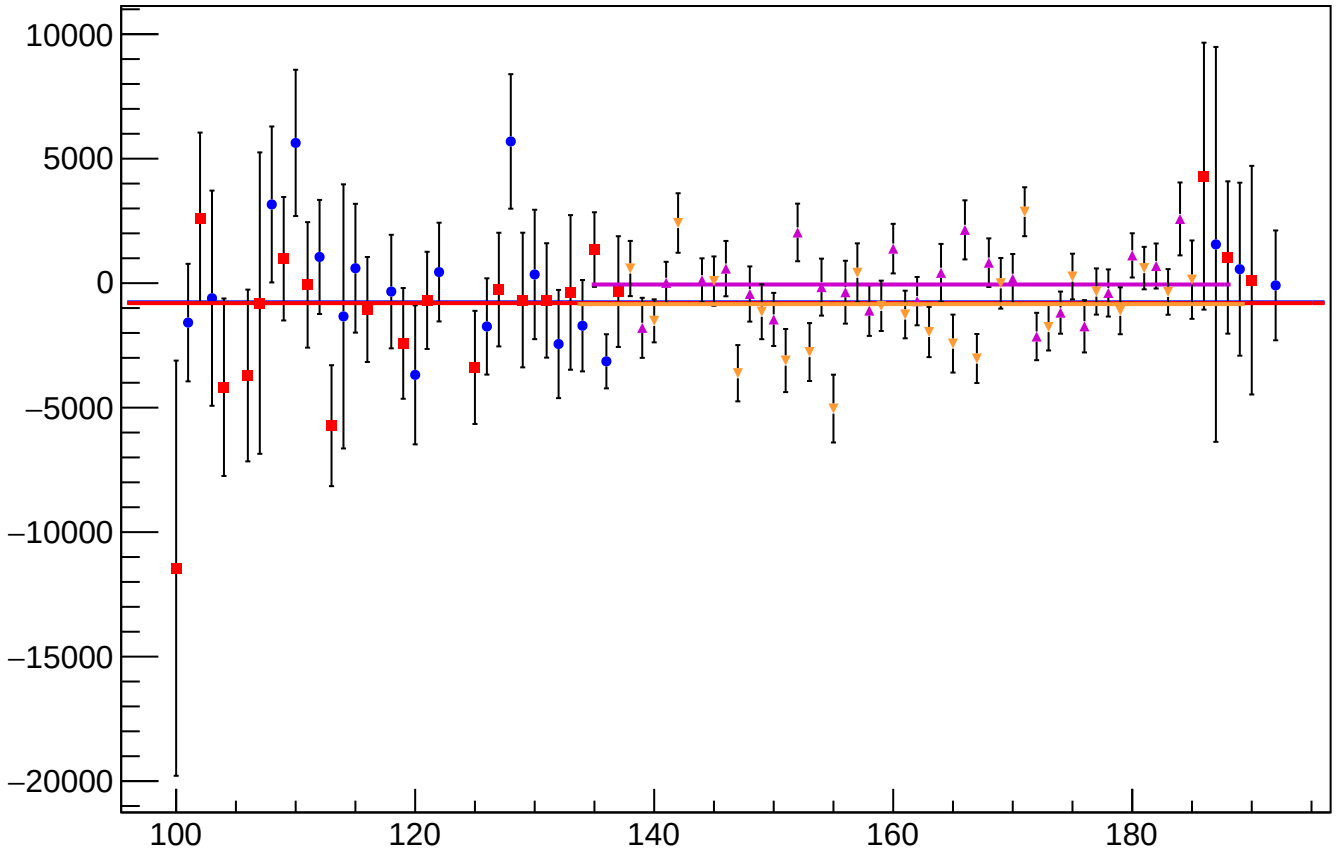
Right Out: 1880.143+/-0.449 χ^2/NDF: 258240.9/20

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1761.484+/-0.239 χ^2/NDF: 729411.0/42

All: 1768.450+/-0.170 χ^2/NDF: 1068050.0/86

- sign 1775.541+/-0.241 χ^2/NDF: 336926.2/43



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

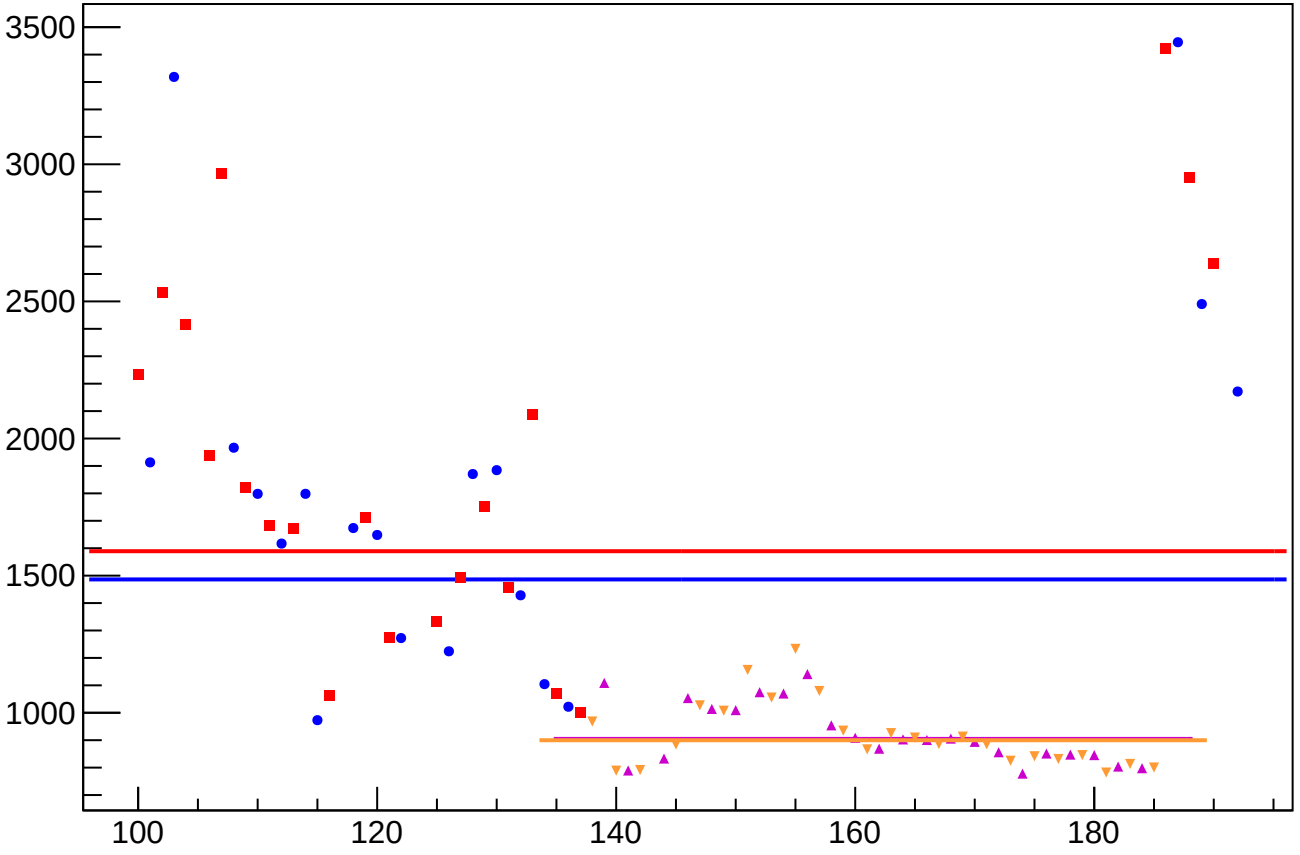
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -832.472+/-195.720 χ^2/NDF: 83.7/42

All: -495.859+/-139.652 χ^2/NDF: 136.1/86

- sign -146.737+/-199.323 χ^2/NDF: 46.4/43

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



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

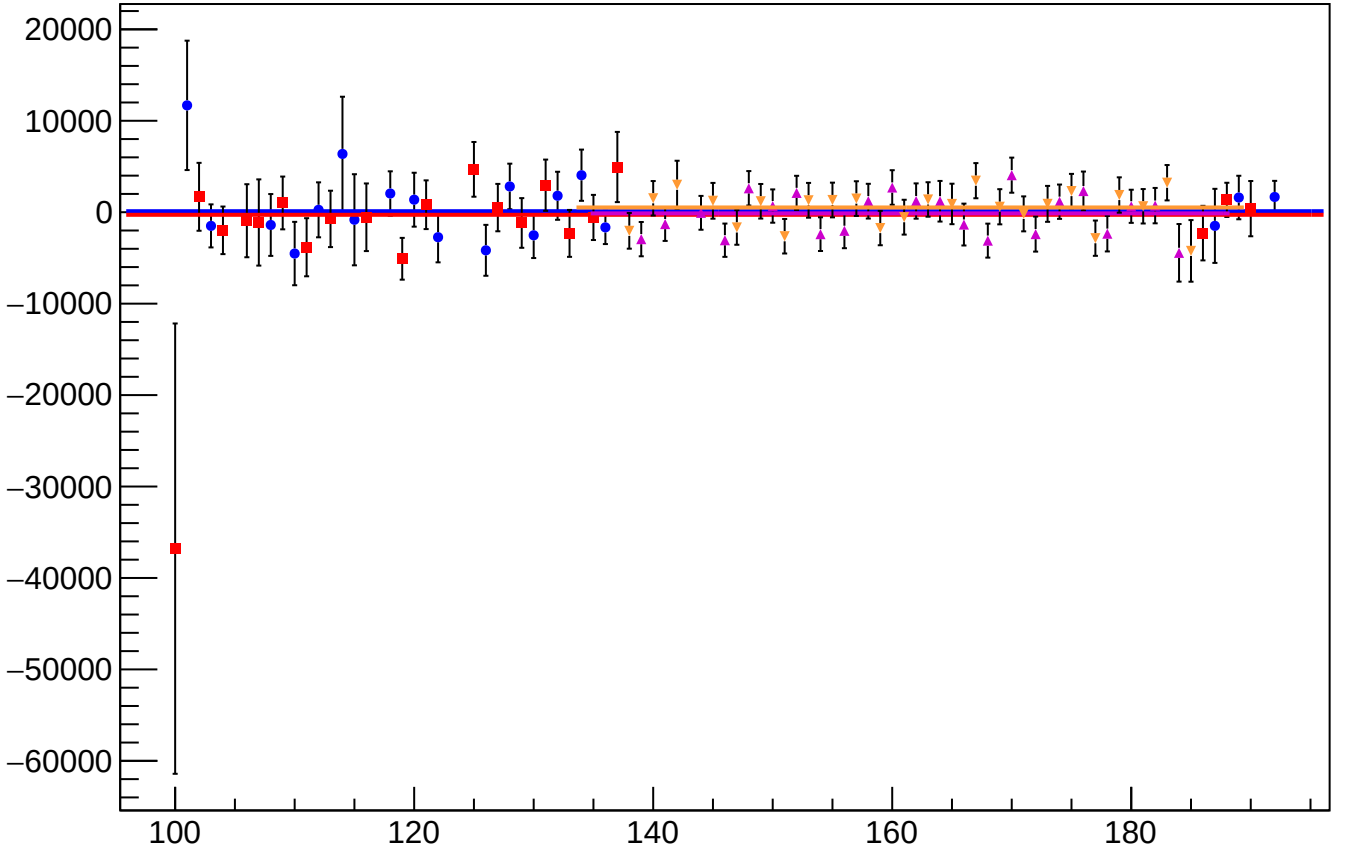
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 980.959+/-0.138 χ^2/NDF: 4325020.1/42

All: 985.172+/-0.099 χ^2/NDF: 9151988.2/86

- sign 989.542+/-0.141 χ^2/NDF: 4825079.8/43

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



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

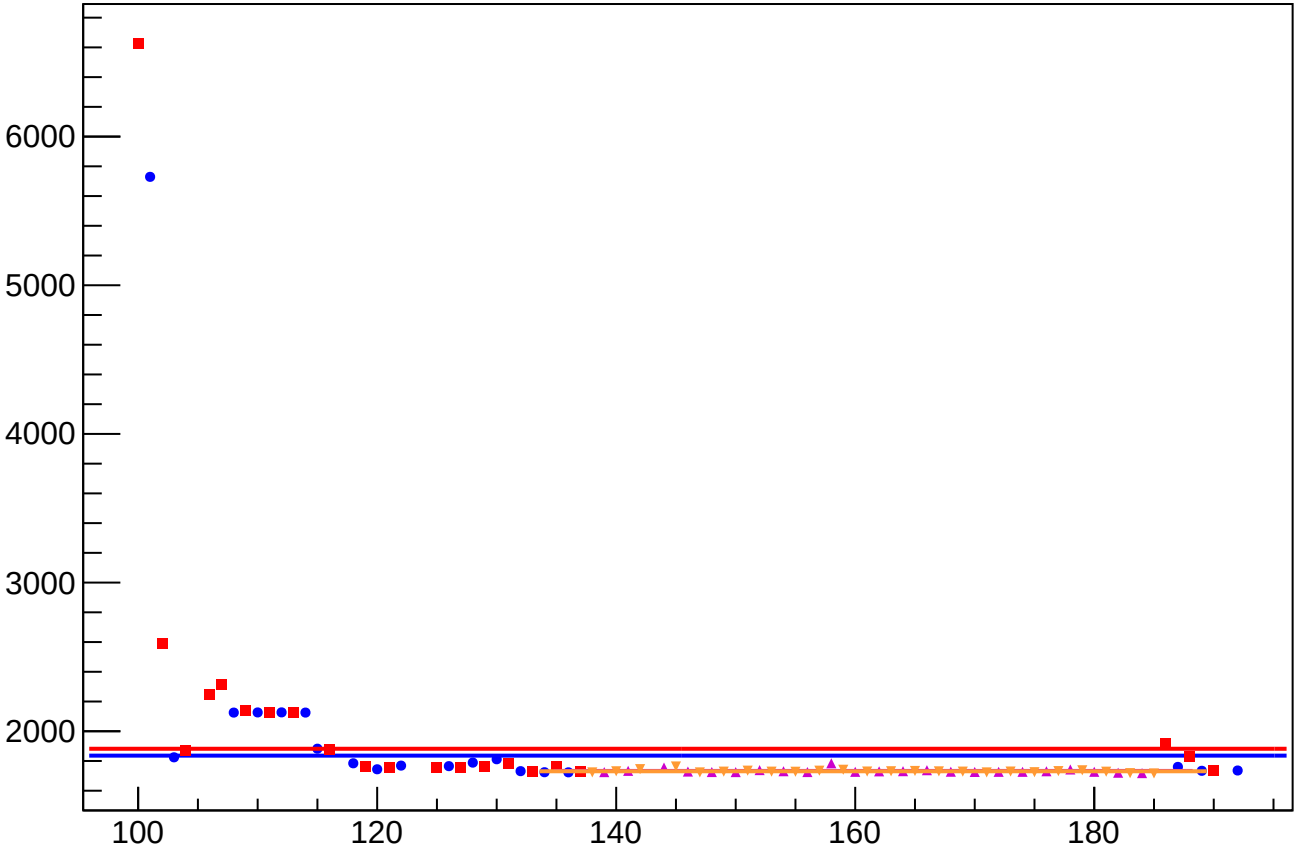
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 401.057+/-338.151 χ^2/NDF: 38.4/42

All: 117.650+/-240.231 χ^2/NDF: 86.4/86

- sign -171.140+/-341.347 χ^2/NDF: 46.6/43

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1835.987+/-0.443 χ^2/NDF: 688517.9/18

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

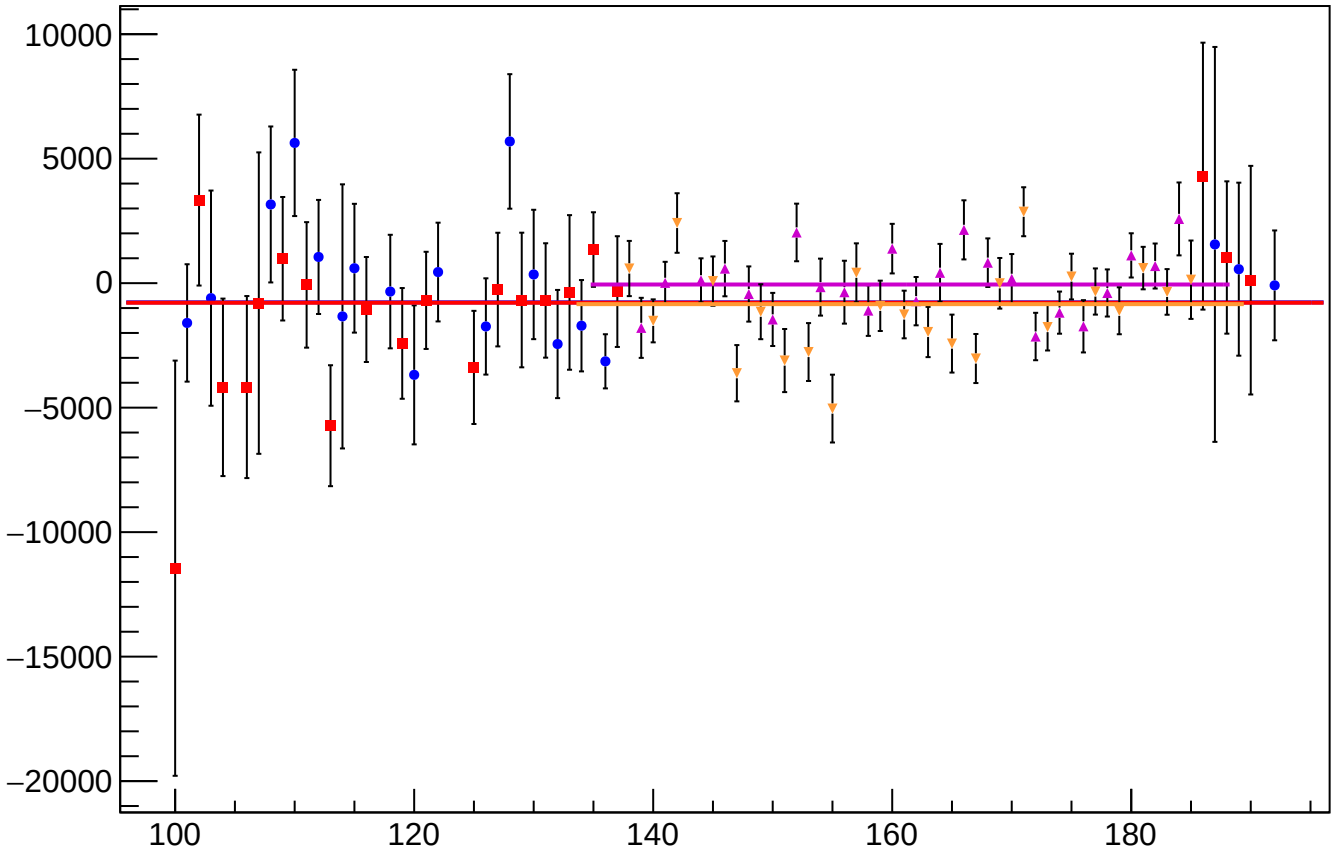
Right Out: 1882.183+/-0.450 χ^2/NDF: 266166.1/20

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1761.484+/-0.239 χ^2/NDF: 729410.9/42

All: 1768.683+/-0.170 χ^2/NDF: 1078025.4/86

- sign 1776.020+/-0.241 χ^2/NDF: 346784.1/43



Right In: -771.185+/-526.095 χ^2/NDF: 21.0/18

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

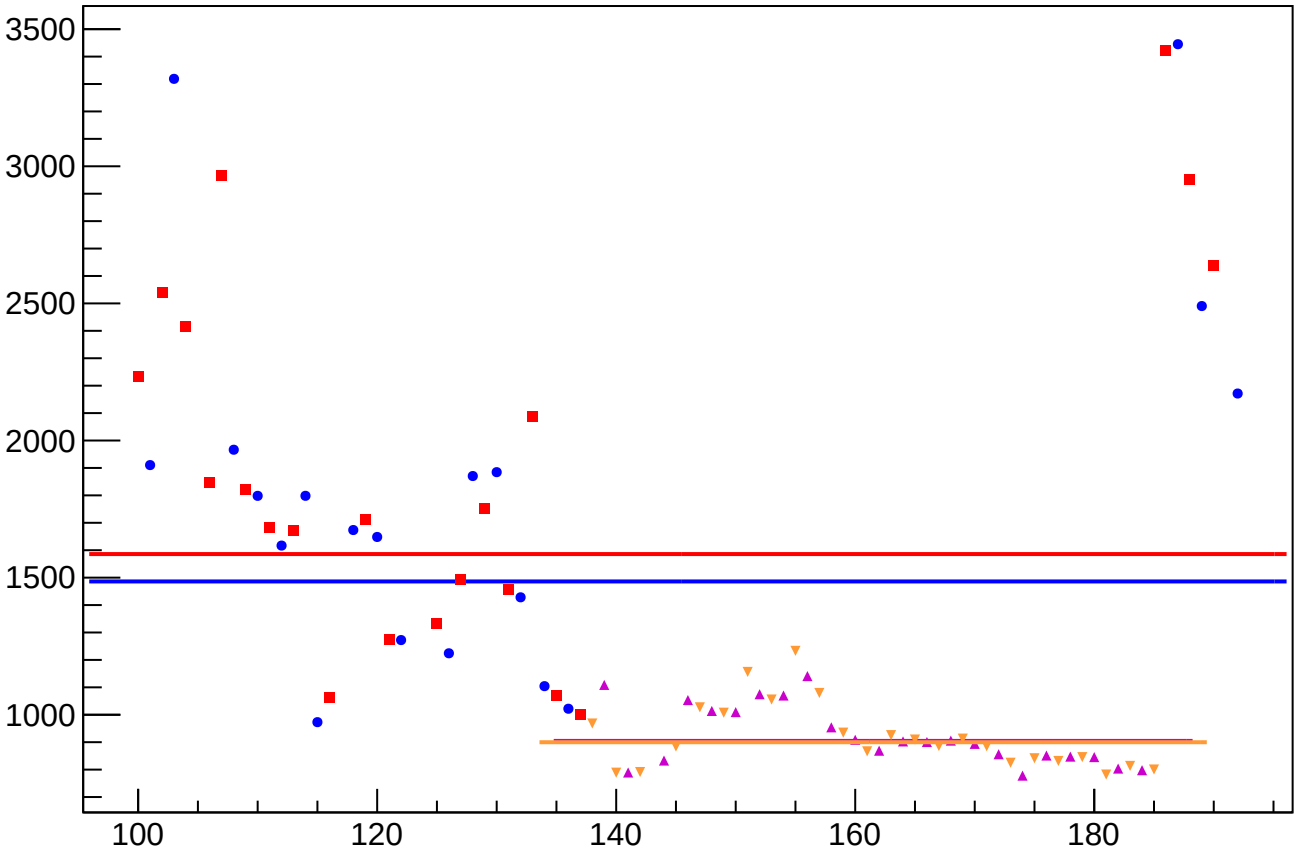
Right Out: -785.566+/-566.839 χ^2/NDF: 14.9/20

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

\+ sign -832.606+/-195.719 χ^2/NDF: 83.7/42

All: -494.858+/-139.663 χ^2/NDF: 136.7/86

\- sign -144.428+/-199.359 χ^2/NDF: 47.0/43



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

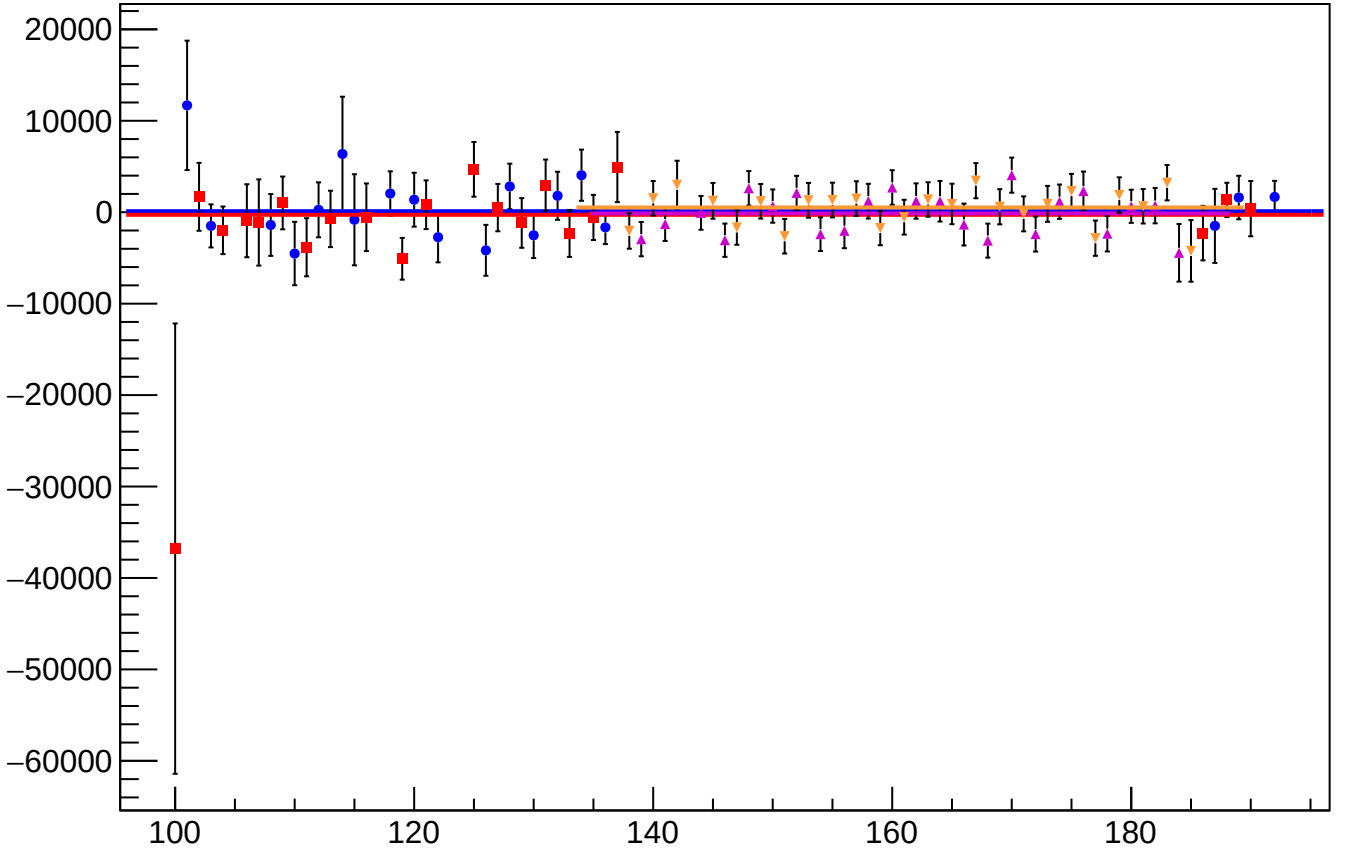
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 980.960+/-0.138 χ^2/NDF: 4324053.3/42

All: 984.870+/-0.099 χ^2/NDF: 9111557.6/86

- sign 988.927+/-0.141 χ^2/NDF: 4785877.6/43

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



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

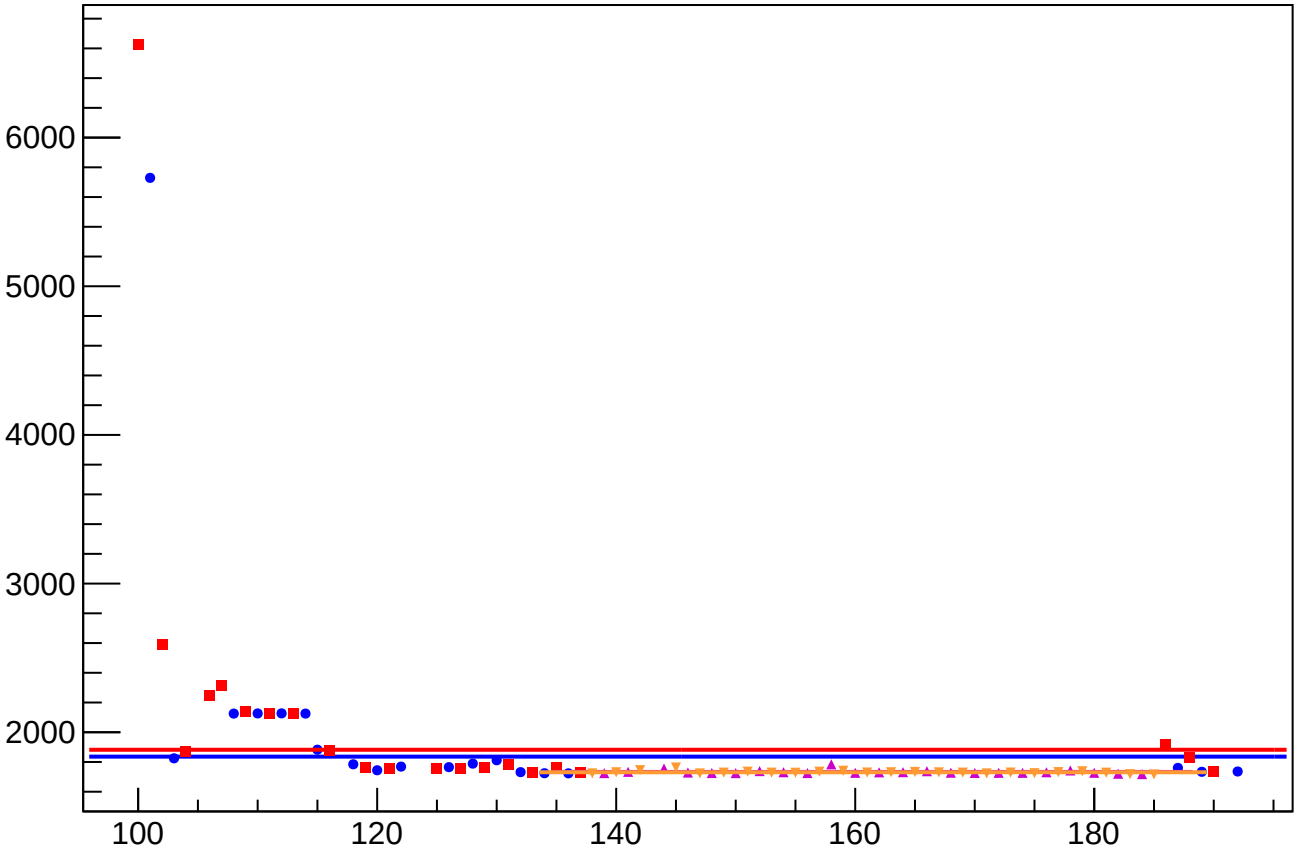
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 401.057+/-338.151 χ^2/NDF: 38.4/42

All: 117.650+/-240.231 χ^2/NDF: 86.4/86

- sign -171.140+/-341.347 χ^2/NDF: 46.6/43

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1835.987+/-0.443 χ^2/NDF: 688517.9/18

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

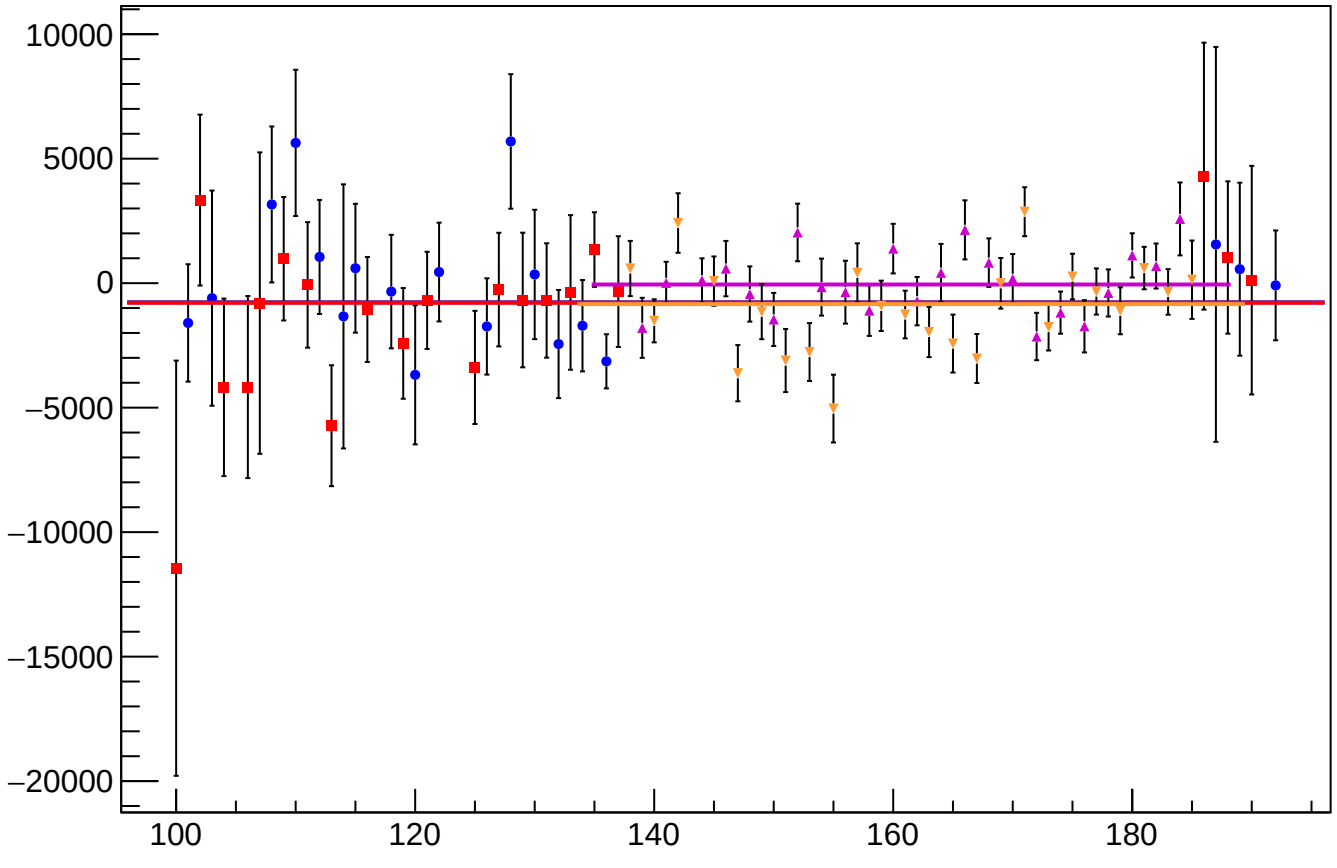
Right Out: 1882.183+/-0.450 χ^2/NDF: 266166.1/20

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1761.484+/-0.239 χ^2/NDF: 729410.9/42

All: 1768.683+/-0.170 χ^2/NDF: 1078025.4/86

- sign 1776.020+/-0.241 χ^2/NDF: 346784.1/43



Right In: -771.185+/-526.095 χ^2/NDF: 21.0/18

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

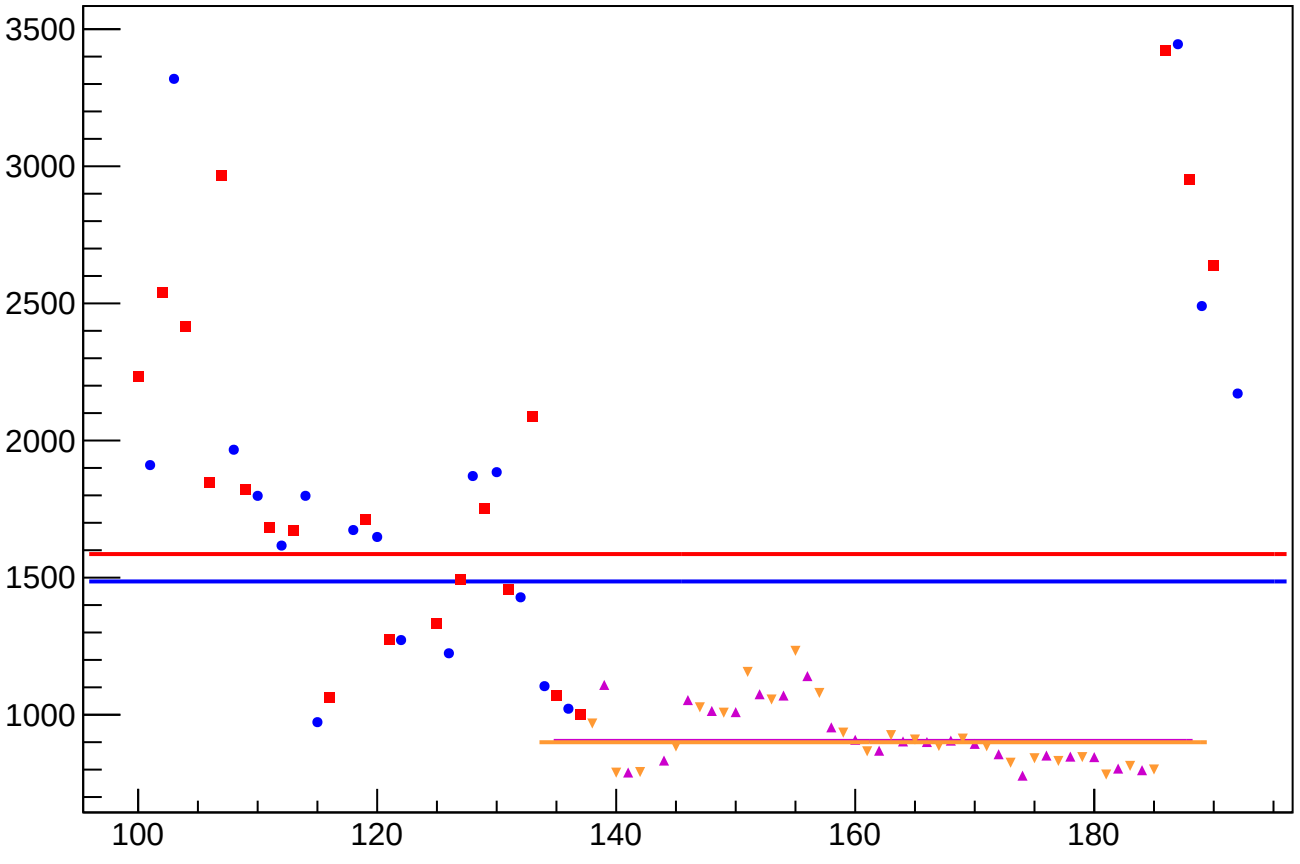
Right Out: -785.566+/-566.839 χ^2/NDF: 14.9/20

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -832.606+/-195.719 χ^2/NDF: 83.7/42

All: -494.858+/-139.663 χ^2/NDF: 136.7/86

- sign -144.428+/-199.359 χ^2/NDF: 47.0/43



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

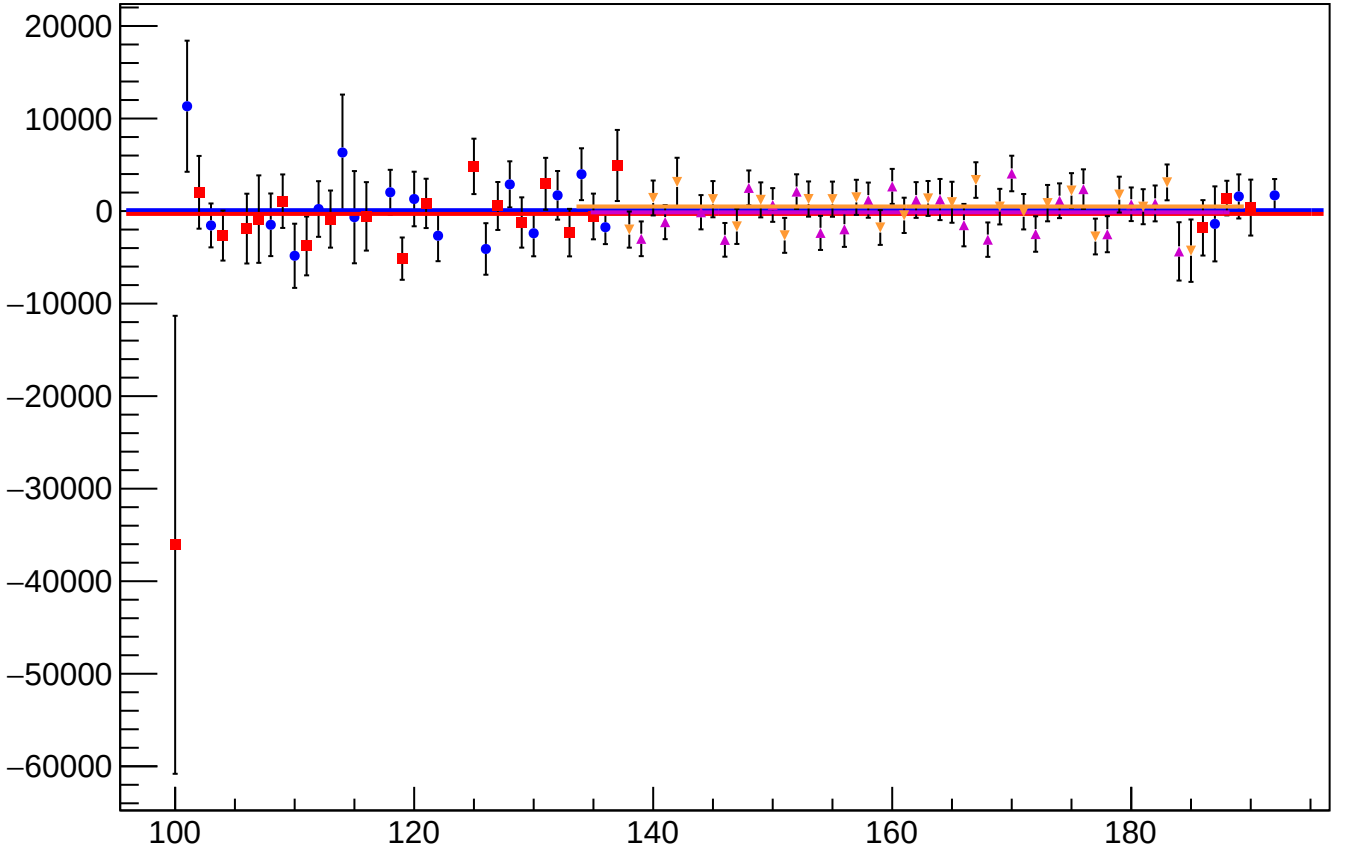
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

\+ sign 980.960+/-0.138 χ^2/NDF: 4324053.3/42

All: 984.870+/-0.099 χ^2/NDF: 9111557.6/86

\- sign 988.927+/-0.141 χ^2/NDF: 4785877.6/43

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 95.009+/-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

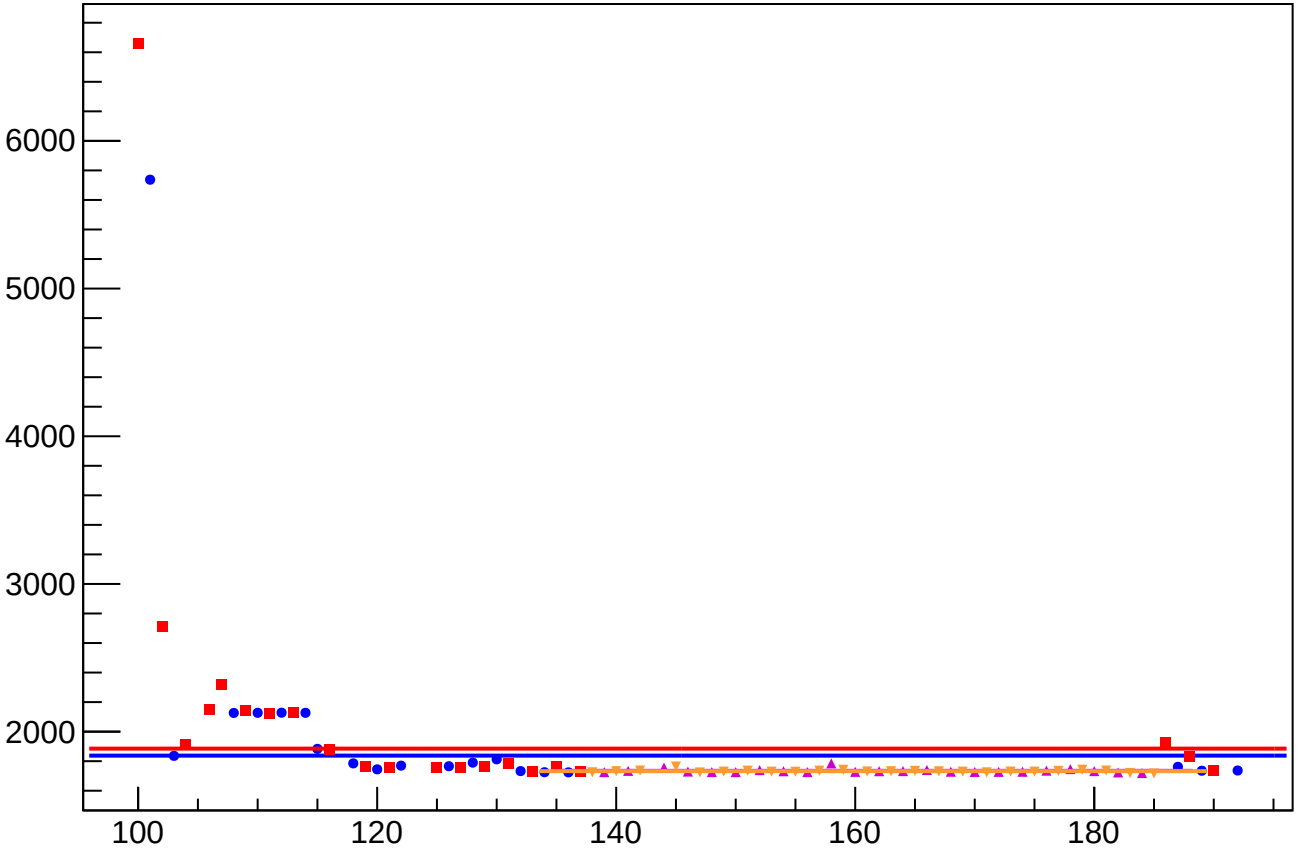
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 378.396+/-338.471 χ^2/NDF: 37.6/42

All: 98.919+/-240.520 χ^2/NDF: 86.2/86

- sign -186.164+/-341.848 χ^2/NDF: 47.2/43

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1837.650+/-0.443 χ^2/NDF: 688996.9/18

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

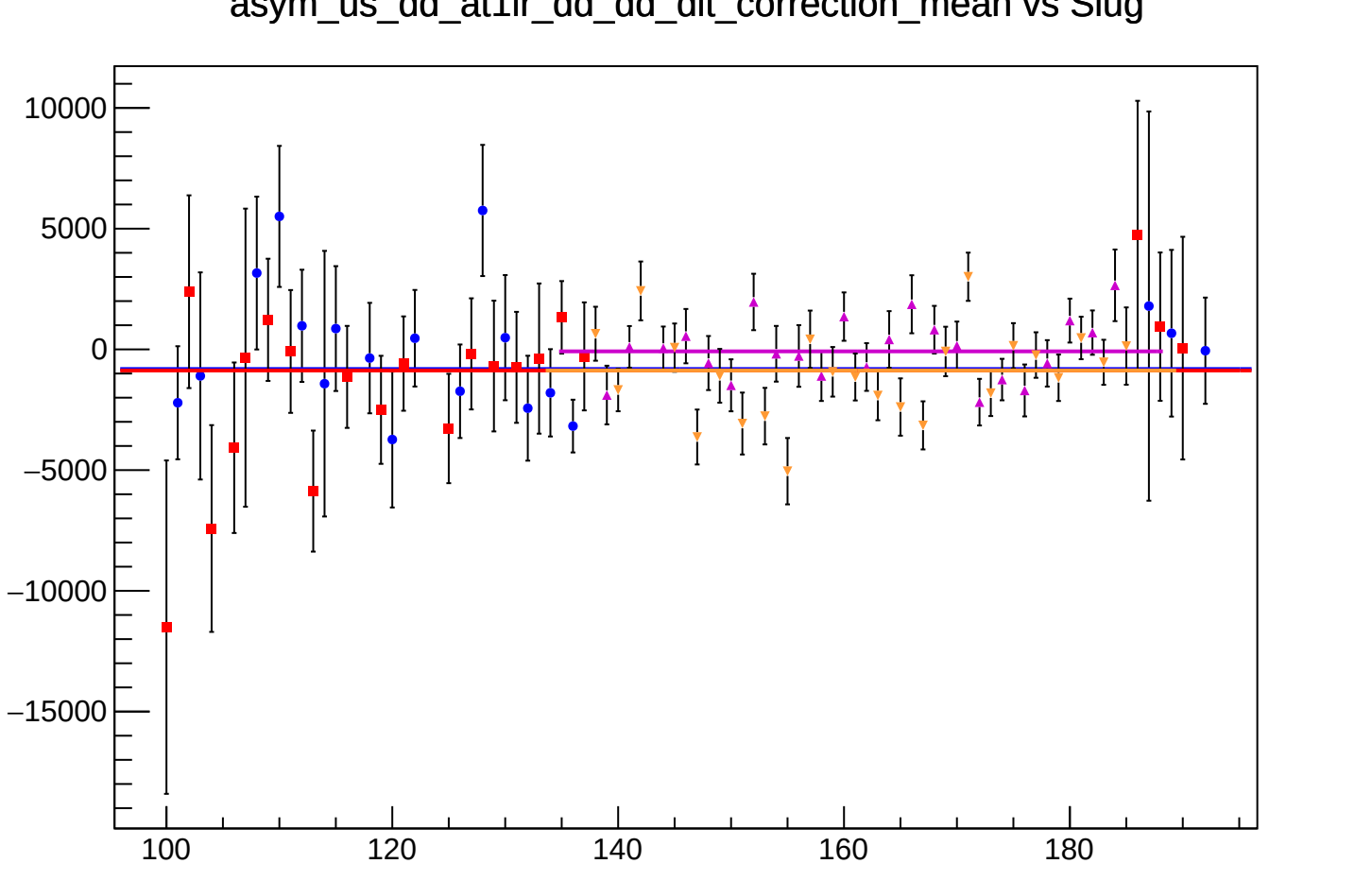
Right Out: 1885.076+/-0.451 χ^2/NDF: 276415.7/20

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1763.055+/-0.239 χ^2/NDF: 729843.1/42

All: 1770.376+/-0.170 χ^2/NDF: 1089784.8/86

- sign 1777.843+/-0.242 χ^2/NDF: 358051.7/43



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

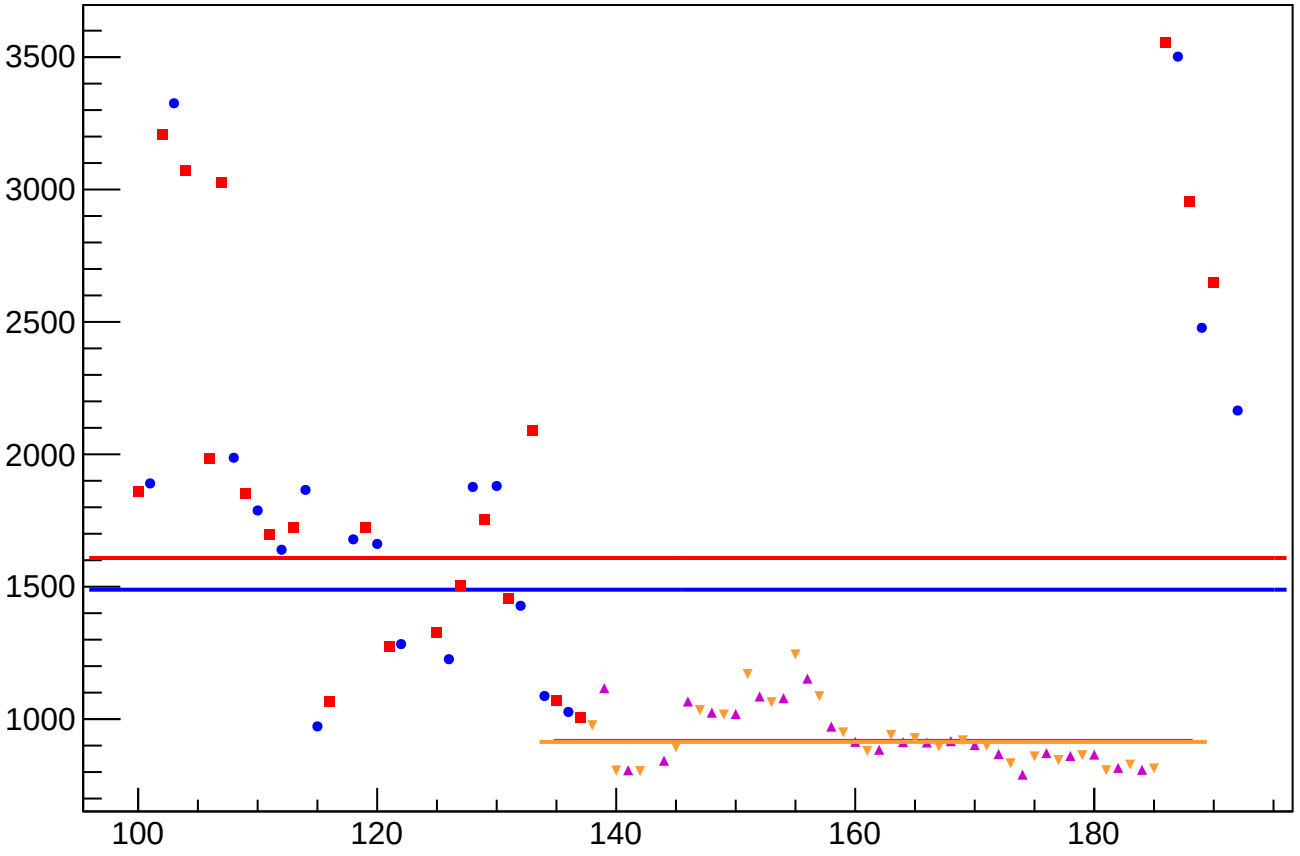
Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

\+ sign -864.423+/-198.278 χ^2/NDF: 83.4/42

All: -528.671+/-141.522 χ^2/NDF: 137.3/86

\- sign -179.995+/-202.059 χ^2/NDF: 48.0/43

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



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

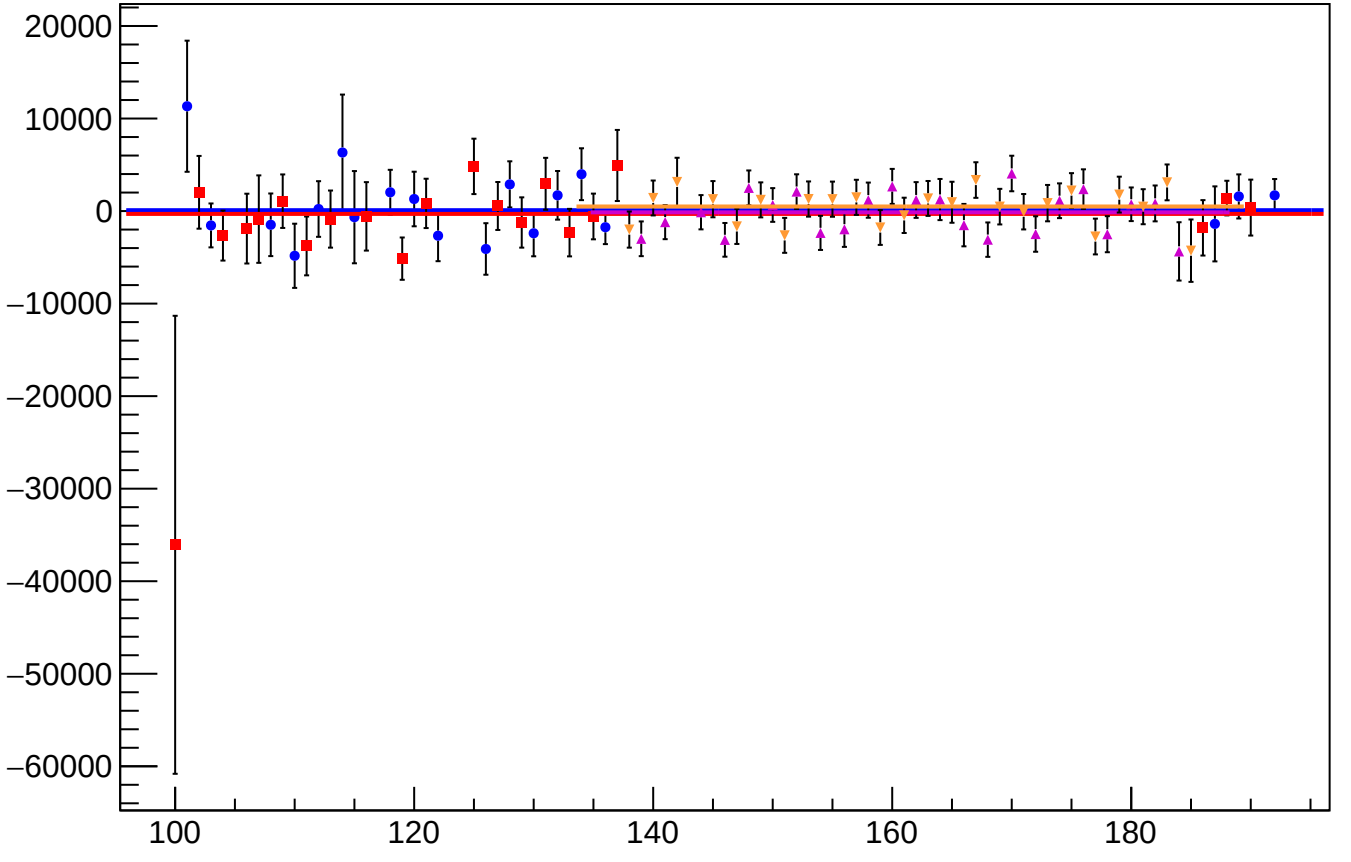
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 995.296+/-0.140 χ^2/NDF: 4201124.9/42

All: 999.310+/-0.100 χ^2/NDF: 9313228.0/86

- sign 1003.479+/-0.143 χ^2/NDF: 5110431.7/43

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



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

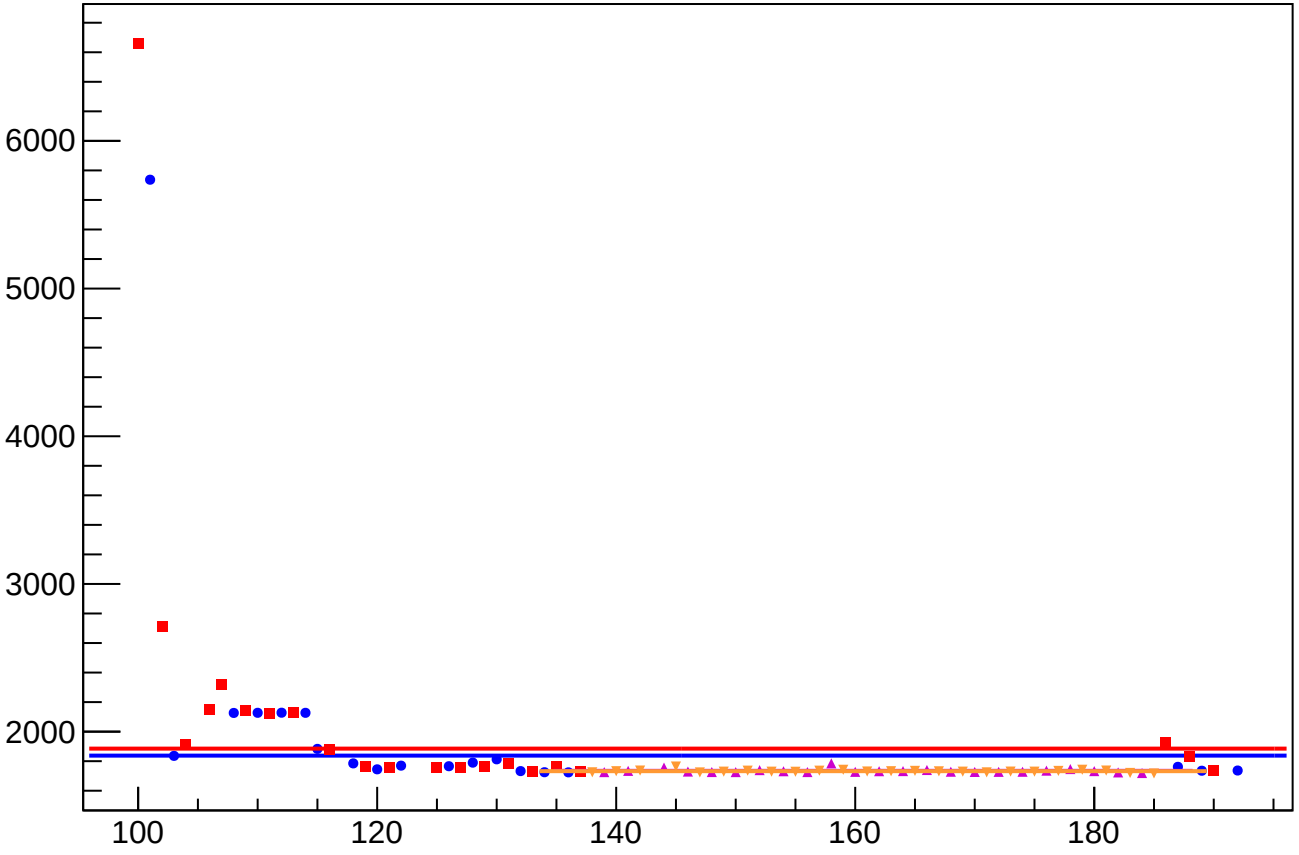
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 378.396+/-338.471 χ^2/NDF: 37.6/42

All: 98.918+/-240.520 χ^2/NDF: 86.2/86

- sign -186.164+/-341.848 χ^2/NDF: 47.2/43

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1837.650+/-0.443 χ^2/NDF: 688996.9/18

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

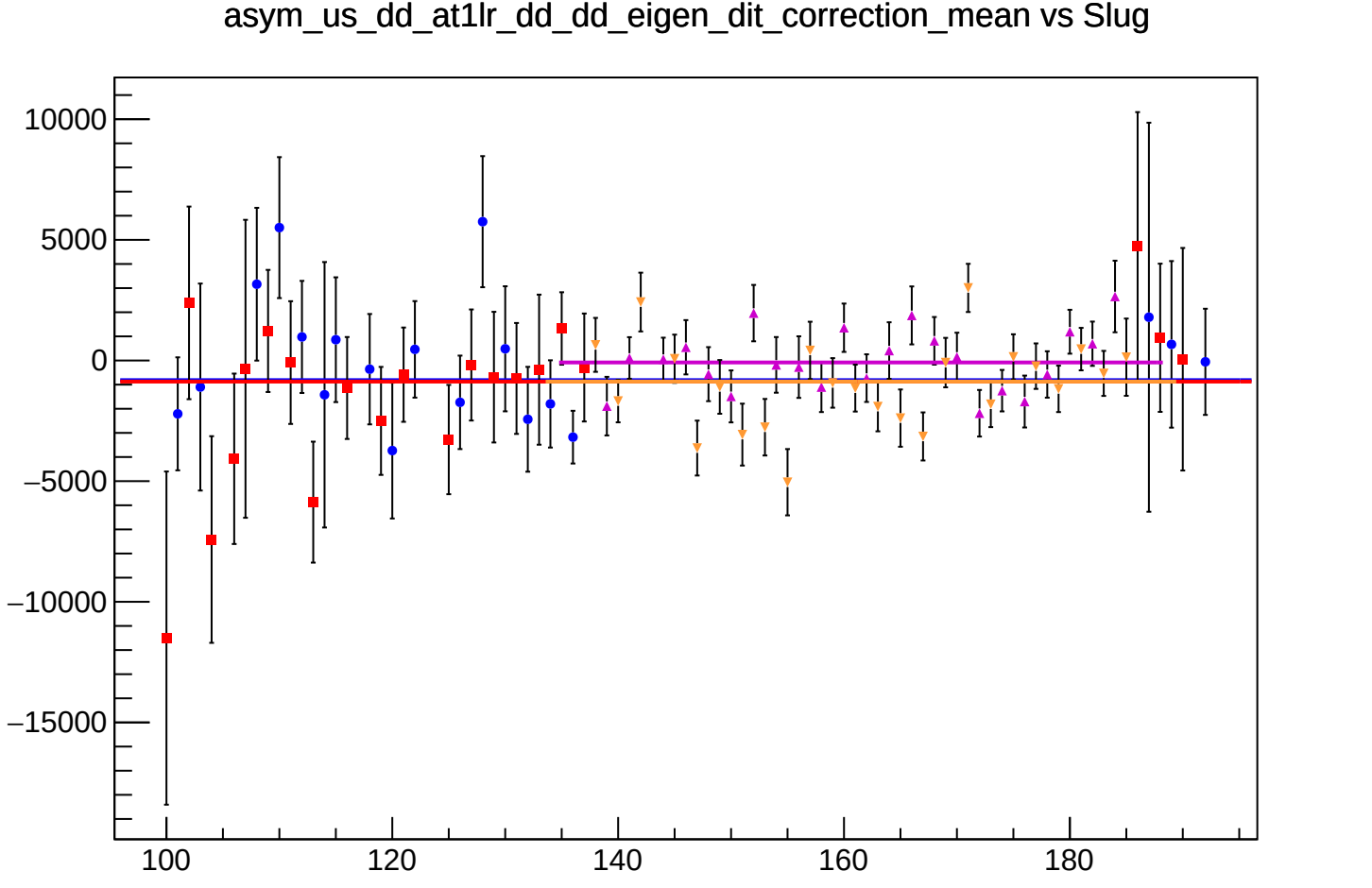
Right Out: 1885.076+/-0.451 χ^2/NDF: 276415.5/20

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1763.055+/-0.239 χ^2/NDF: 729843.1/42

All: 1770.376+/-0.170 χ^2/NDF: 1089784.5/86

- sign 1777.843+/-0.242 χ^2/NDF: 358051.4/43



Right In: -813.468+/-526.924 χ^2/NDF: 21.4/18

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

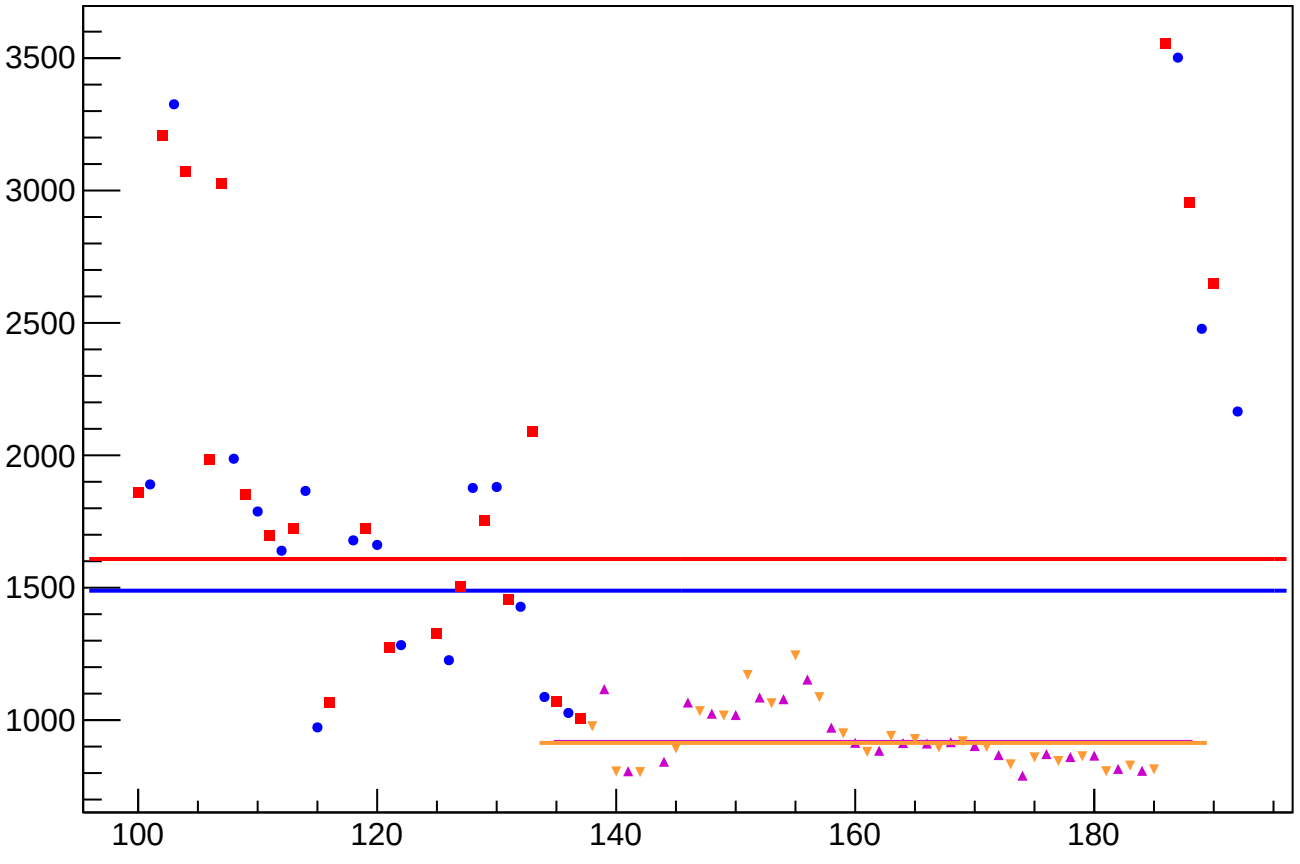
Right Out: -874.277+/-573.301 χ^2/NDF: 16.4/20

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

\+ sign -864.421+/-198.278 χ^2/NDF: 83.4/42

All: -528.670+/-141.521 χ^2/NDF: 137.3/86

\- sign -179.994+/-202.058 χ^2/NDF: 48.0/43



Right In: 1488.747+/-0.373 χ^2/NDF: 1694958.5/18

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

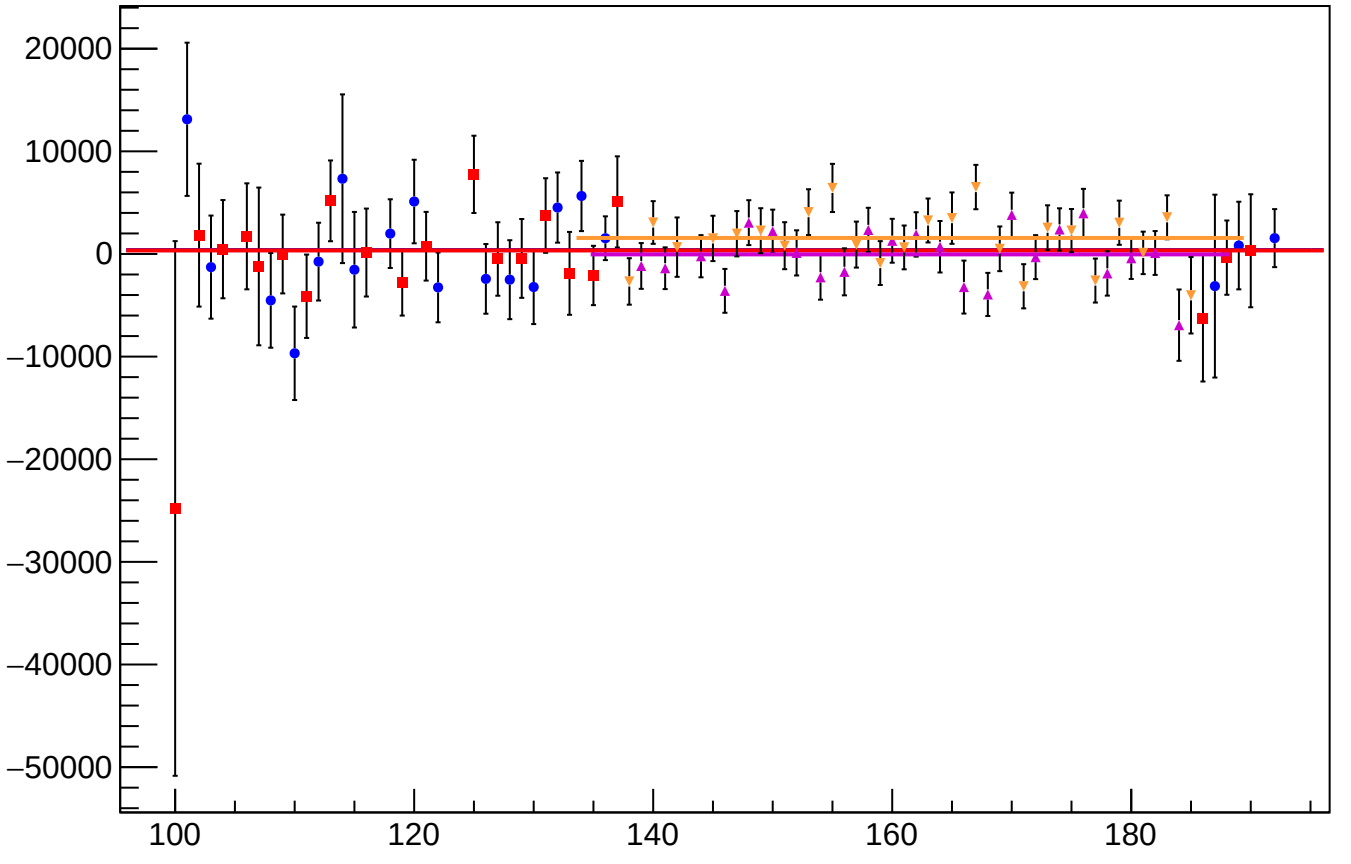
Right Out: 1608.429+/-0.405 χ^2/NDF: 2137148.4/20

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 995.295+/-0.140 χ^2/NDF: 4201119.1/42

All: 999.310+/-0.100 χ^2/NDF: 9313228.9/86

- sign 1003.479+/-0.143 χ^2/NDF: 5110438.5/43



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

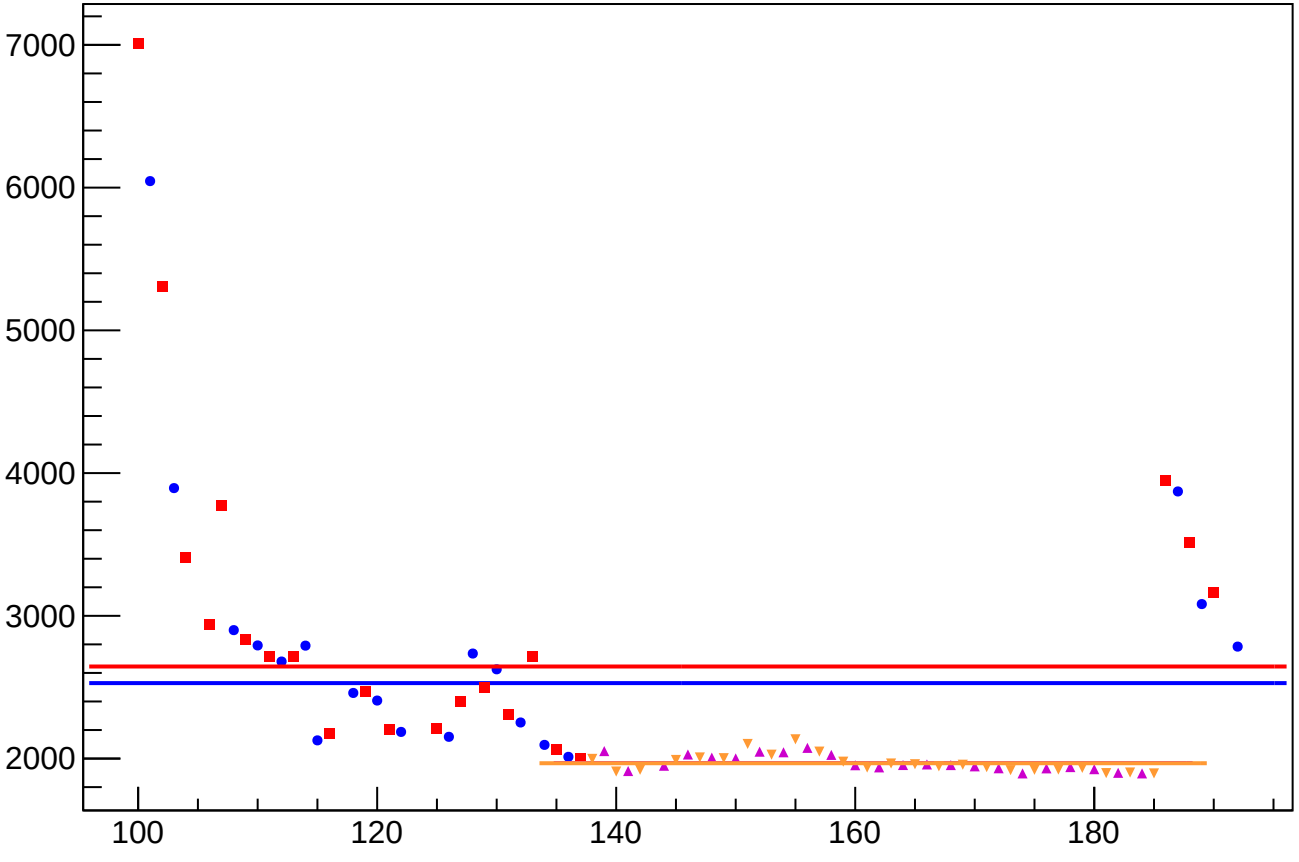
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1305.442+/-404.549 χ^2/NDF: 52.1/42

All: 681.370+/-288.058 χ^2/NDF: 97.8/86

- sign 39.548+/-410.262 χ^2/NDF: 40.9/43

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2528.708+/-0.616 χ^2/NDF: 939500.2/18

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

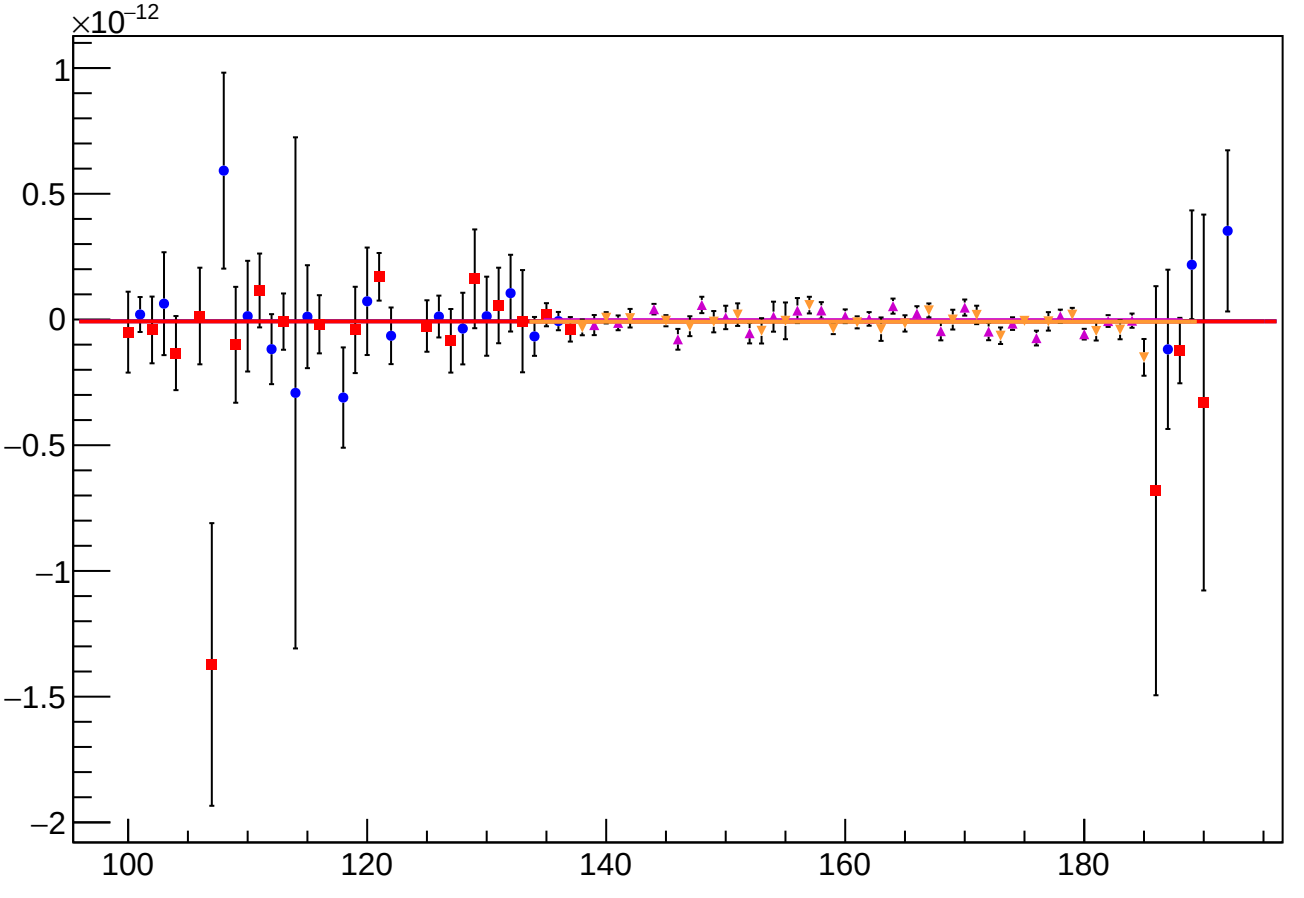
Right Out: 2645.041+/-0.642 χ^2/NDF: 921684.7/20

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2088.638+/-0.286 χ^2/NDF: 1625634.6/42

All: 2097.772+/-0.204 χ^2/NDF: 3458827.6/86

- sign 2107.165+/-0.290 χ^2/NDF: 1831125.0/43



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

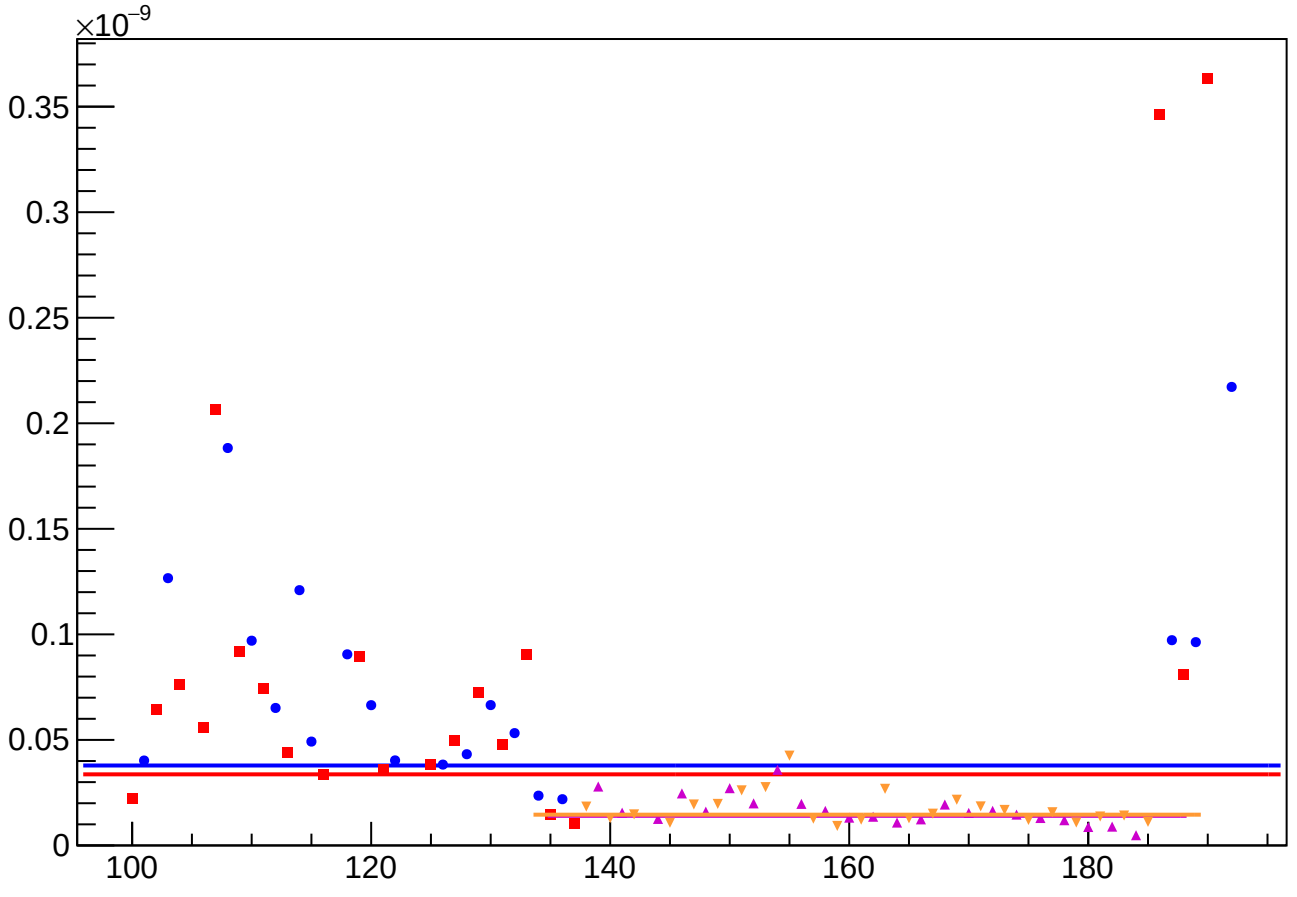
Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/20

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.6/42

All: -0.000+/-0.000 χ^2/NDF: 84.9/86

- sign -0.000+/-0.000 χ^2/NDF: 53.9/43



Right In: 0.000+/-0.000 χ^2/NDF: 2478292.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

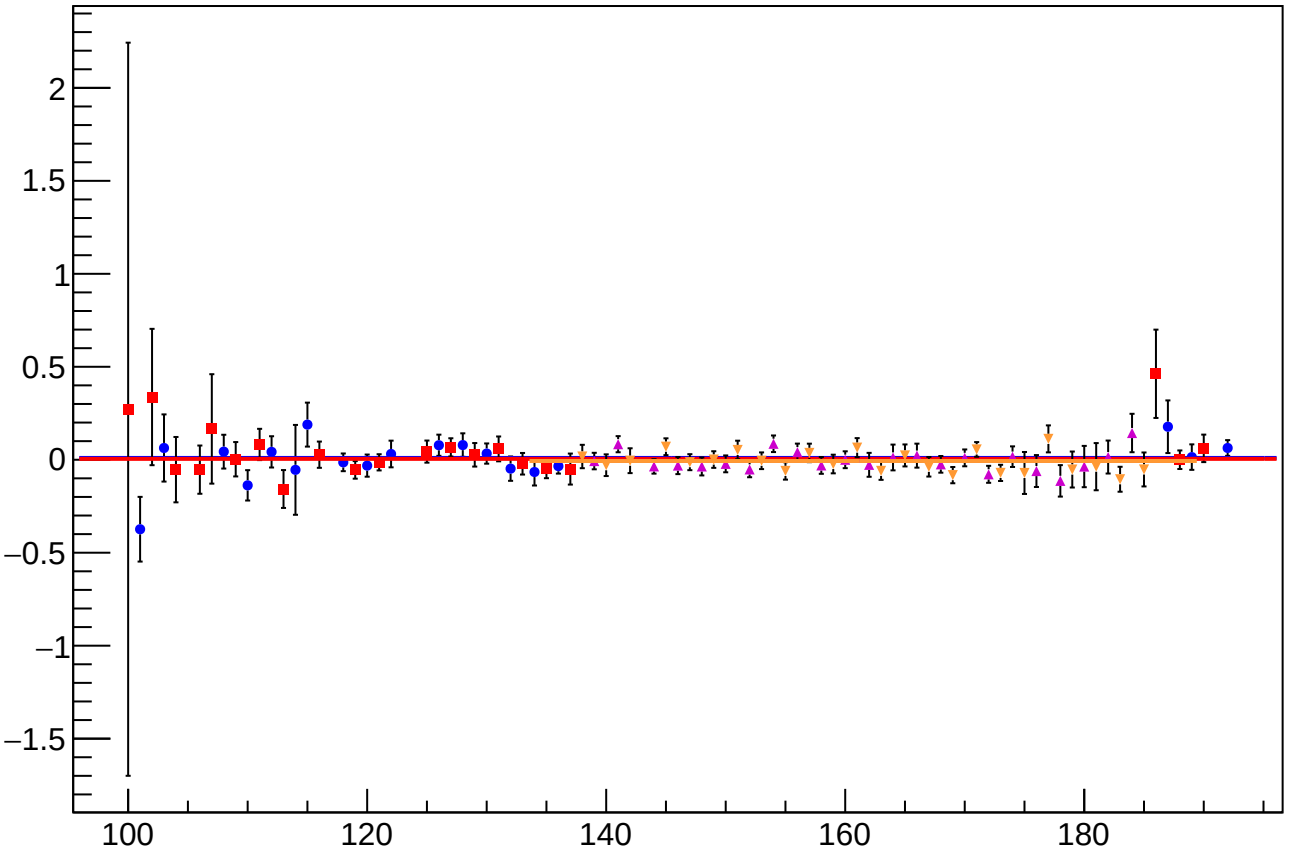
Right Out: 0.000+/-0.000 χ^2/NDF: 3037799.5/20

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 5381801.2/42

All: 0.000+/-0.000 χ^2/NDF: 11130079.4/86

- sign 0.000+/-0.000 χ^2/NDF: 5730855.3/43



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

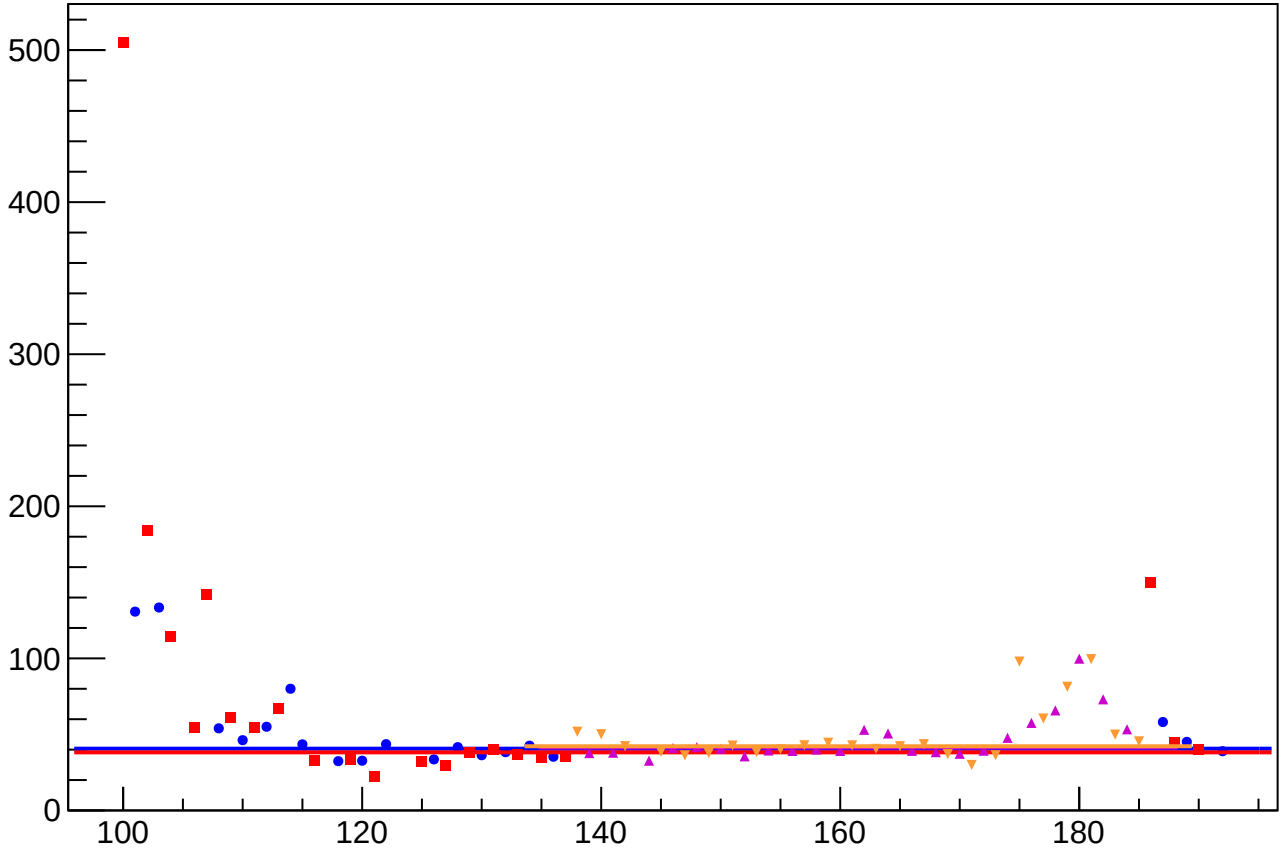
Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 45.3/42

All: -0.002+/-0.006 χ^2/NDF: 81.0/86

- sign -0.003+/-0.009 χ^2/NDF: 35.7/43

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.616+/-0.011 χ^2/NDF: 1452845.5/18

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

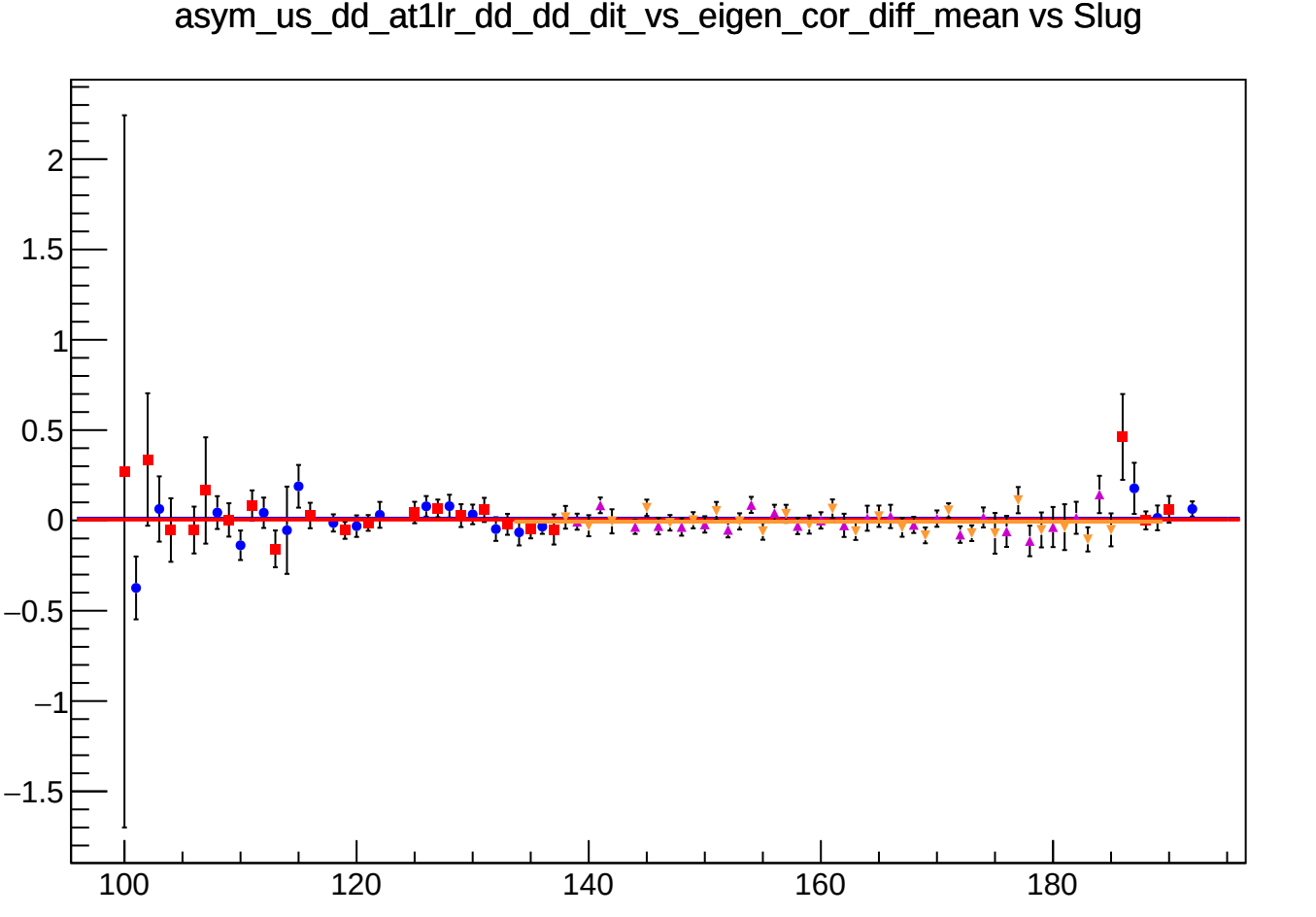
Right Out: 38.205+/-0.011 χ^2/NDF: 2331100.5/20

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.672+/-0.006 χ^2/NDF: 3286525.1/42

All: 41.016+/-0.004 χ^2/NDF: 7109919.4/86

- sign 40.371+/-0.006 χ^2/NDF: 3801789.4/43



Right In: 0.010+/-0.015 χ^2/NDF: 20.6/18

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

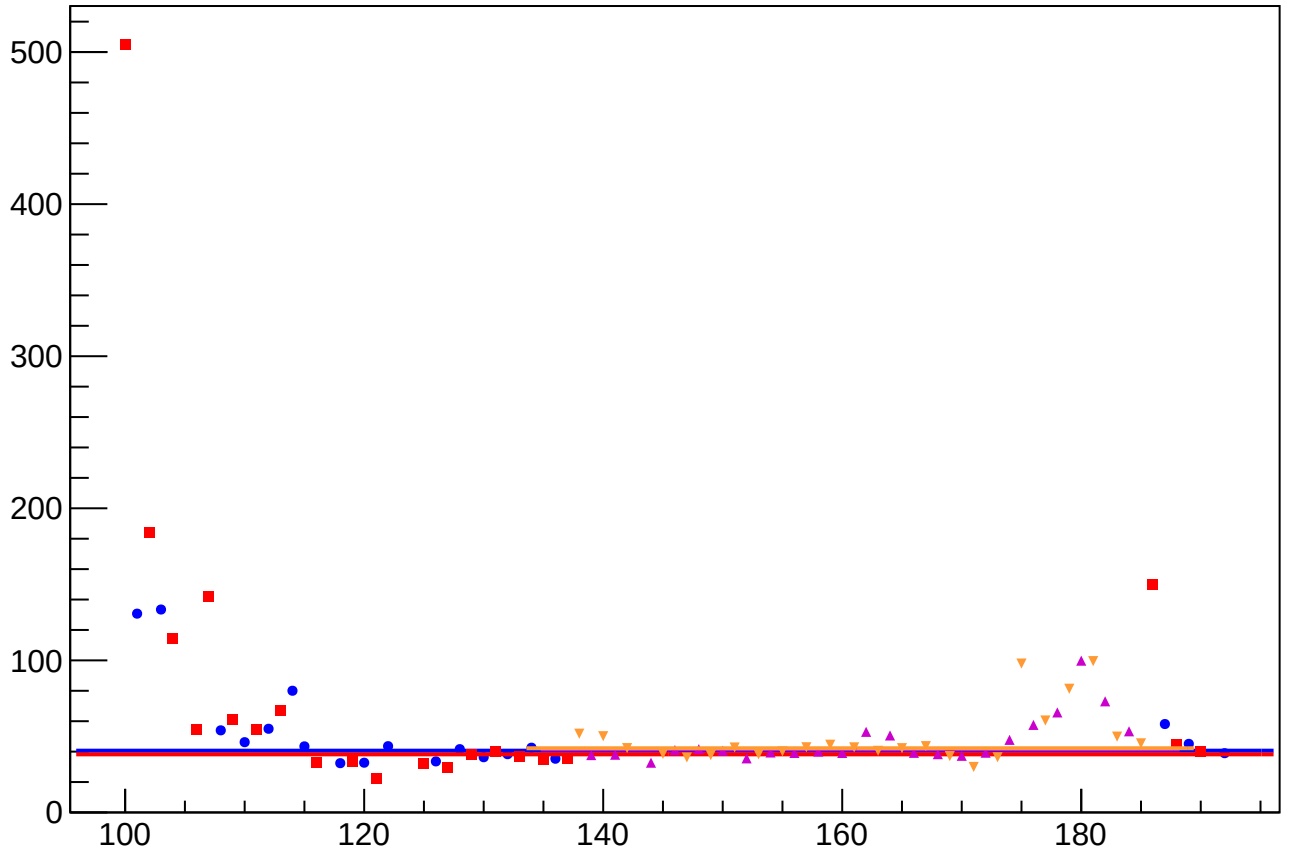
Right Out: 0.005+/-0.015 χ^2/NDF: 15.3/20

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 45.3/42

All: -0.002+/-0.006 χ^2/NDF: 81.0/86

- sign -0.003+/-0.009 χ^2/NDF: 35.7/43



Right In: 40.616+/-0.011 χ^2/NDF: 1452845.5/18

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

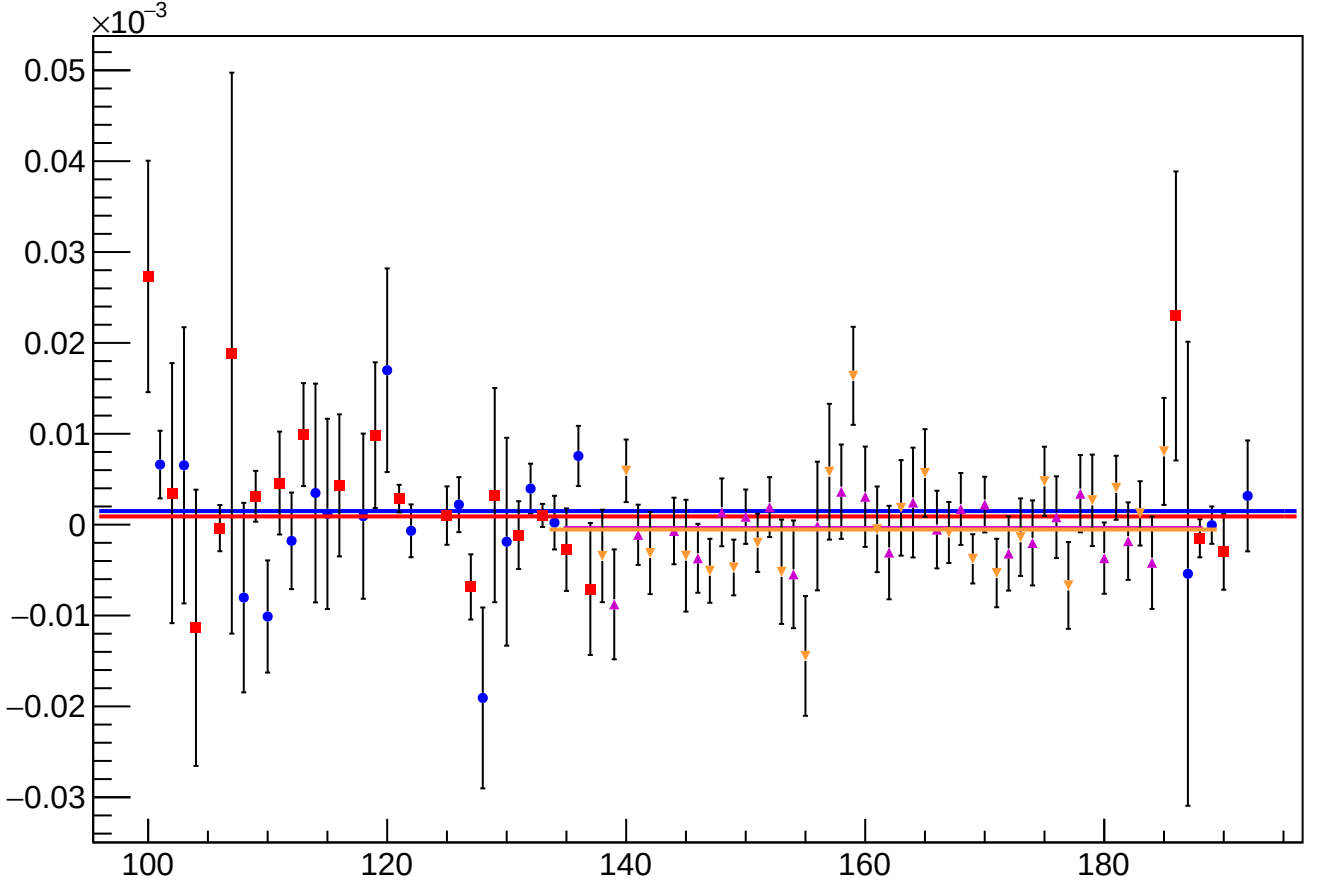
Right Out: 38.205+/-0.011 χ^2/NDF: 2331100.5/20

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

\+ sign 41.672+/-0.006 χ^2/NDF: 3286525.1/42

All: 41.016+/-0.004 χ^2/NDF: 7109919.4/86

\- sign 40.371+/-0.006 χ^2/NDF: 3801789.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

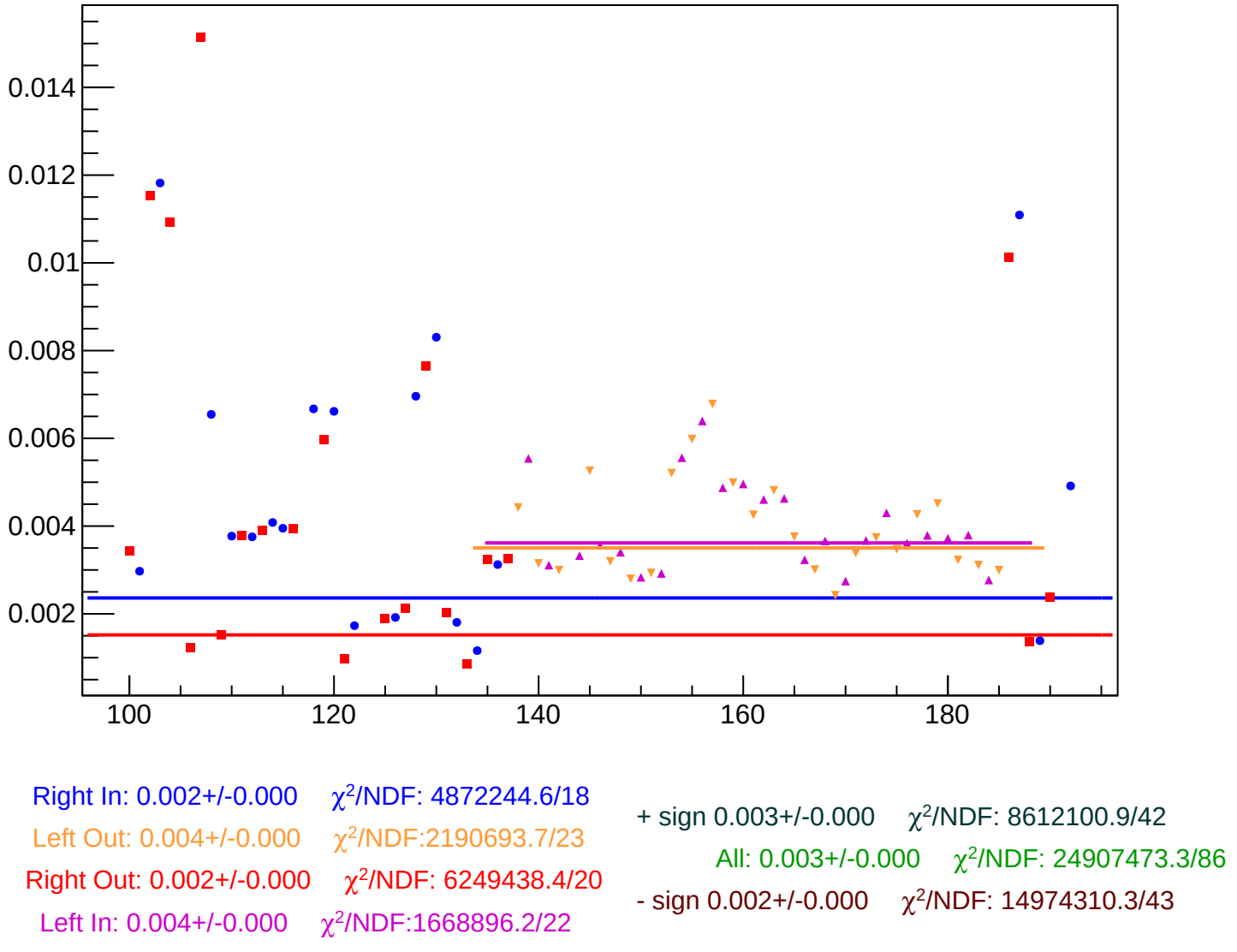
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/20

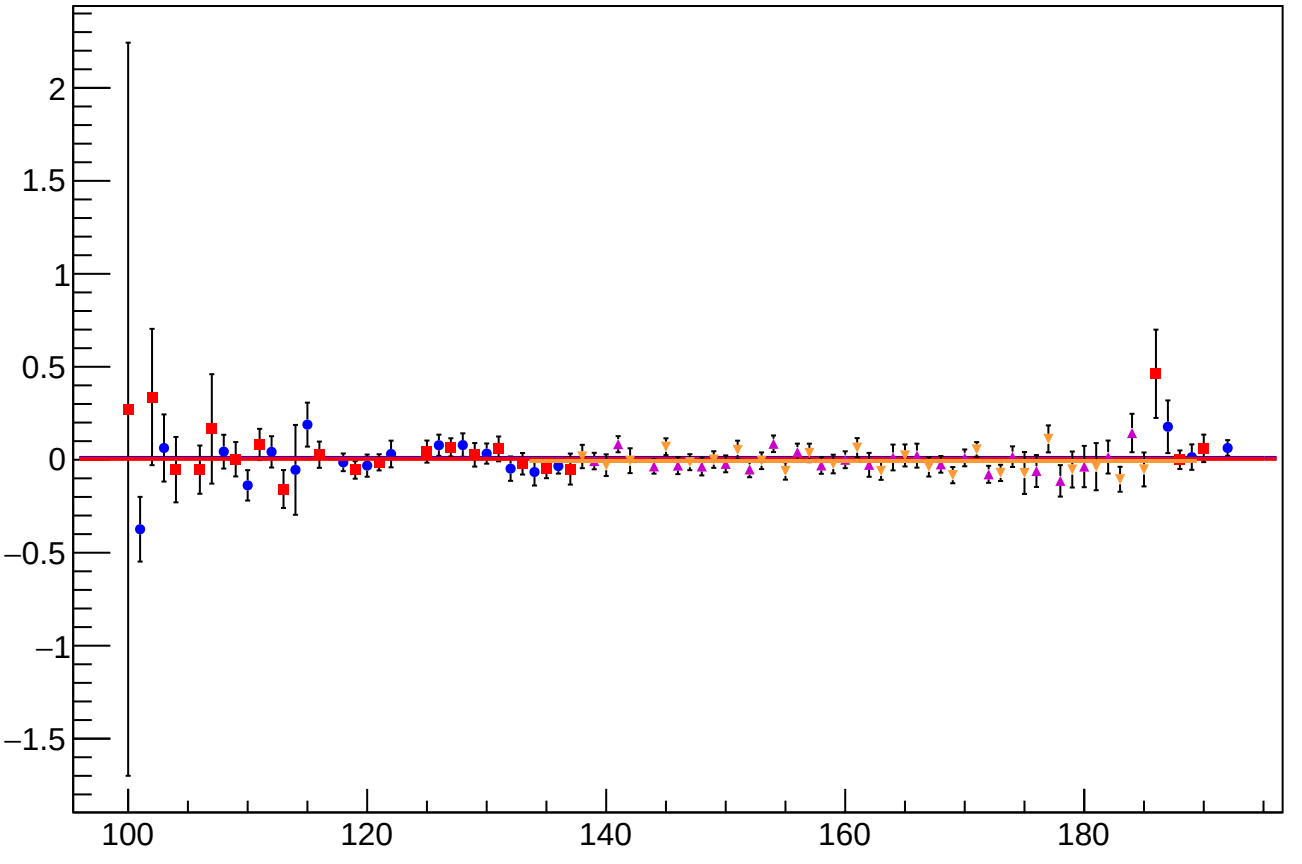
Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/42

All: 0.000+/-0.000 χ^2/NDF: 92.3/86

- sign 0.000+/-0.000 χ^2/NDF: 34.3/43


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
Right In: 0.002+/-0.000 χ²/NDF: 4872244.6/18
Left Out: 0.004+/-0.000 χ²/NDF:2190693.7/23
Right Out: 0.002+/-0.000 χ²/NDF: 6249438.4/20
Left In: 0.004+/-0.000 χ²/NDF:1668896.2/22
+ sign 0.003+/-0.000 χ²/NDF: 8612100.9/42
All: 0.003+/-0.000 χ²/NDF: 24907473.3/86
- sign 0.002+/-0.000 χ²/NDF: 14974310.3/43



Right In: 0.010+/-0.015 χ^2/NDF: 20.6/18

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

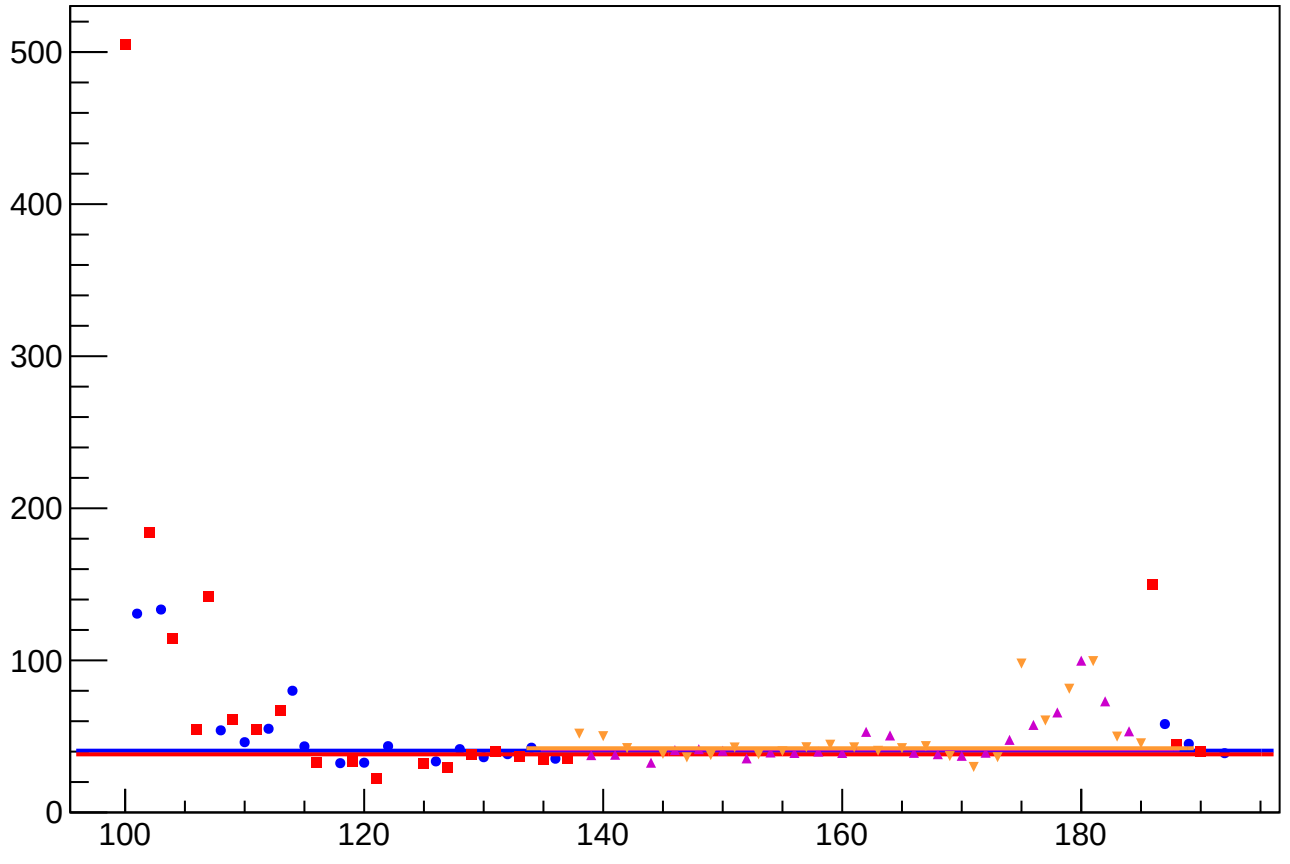
Right Out: 0.005+/-0.015 χ^2/NDF: 15.3/20

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 45.3/42

All: -0.002+/-0.006 χ^2/NDF: 81.0/86

- sign -0.003+/-0.009 χ^2/NDF: 35.7/43



Right In: 40.616+/-0.011 χ^2/NDF: 1452716.7/18

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

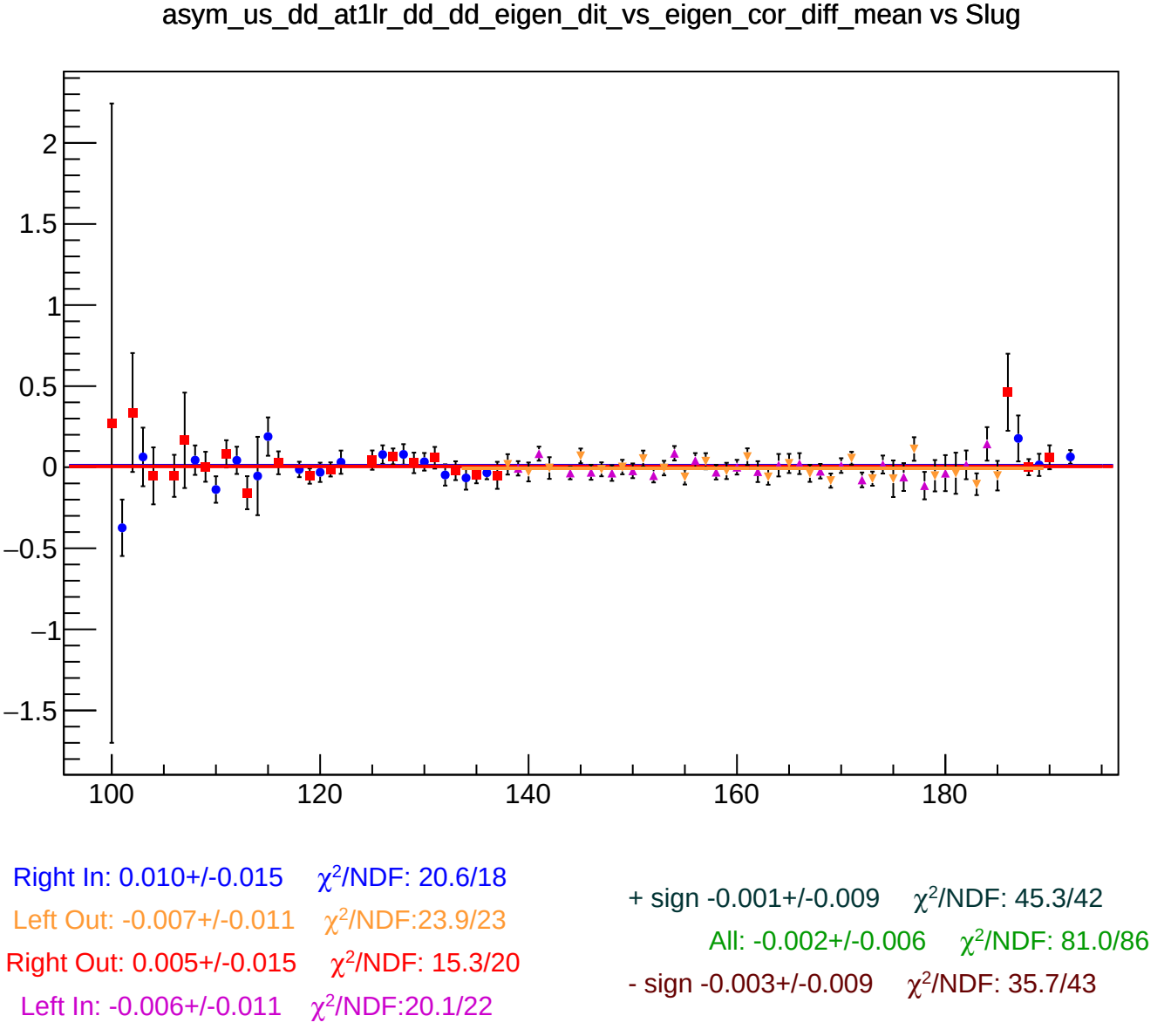
Right Out: 38.205+/-0.011 χ^2/NDF: 2331098.9/20

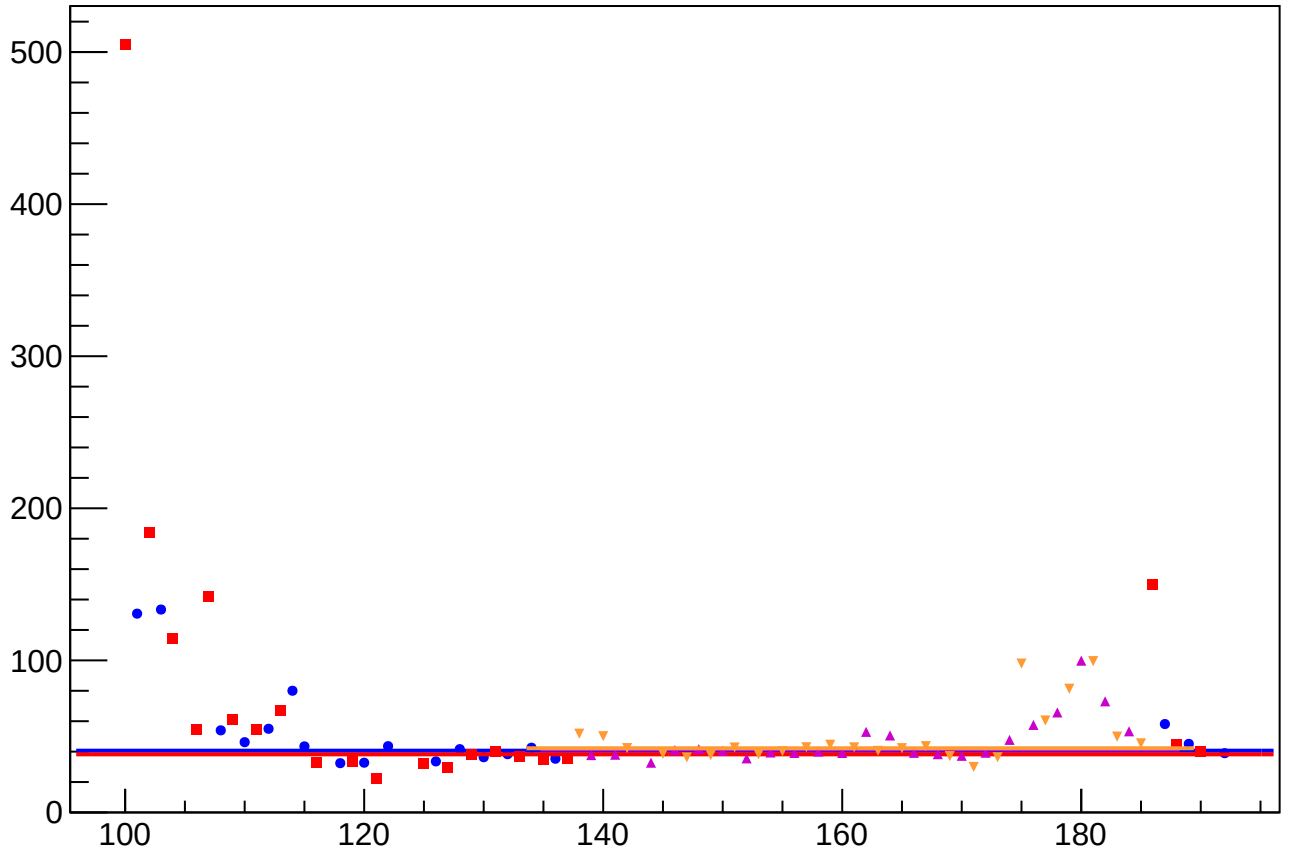
Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.672+/-0.006 χ^2/NDF: 3286387.1/42

All: 41.015+/-0.004 χ^2/NDF: 7109757.8/86

- sign 40.370+/-0.006 χ^2/NDF: 3801751.6/43


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
Right In: 0.010+/-0.015 χ²/NDF: 20.6/18
Left Out: -0.007+/-0.011 χ²/NDF:23.9/23
Right Out: 0.005+/-0.015 χ²/NDF: 15.3/20
Left In: -0.006+/-0.011 χ²/NDF:20.1/22
+ sign -0.001+/-0.009 χ²/NDF: 45.3/42
All: -0.002+/-0.006 χ²/NDF: 81.0/86
- sign -0.003+/-0.009 χ²/NDF: 35.7/43



Right In: 40.616+/-0.011 χ^2/NDF: 1452716.7/18

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

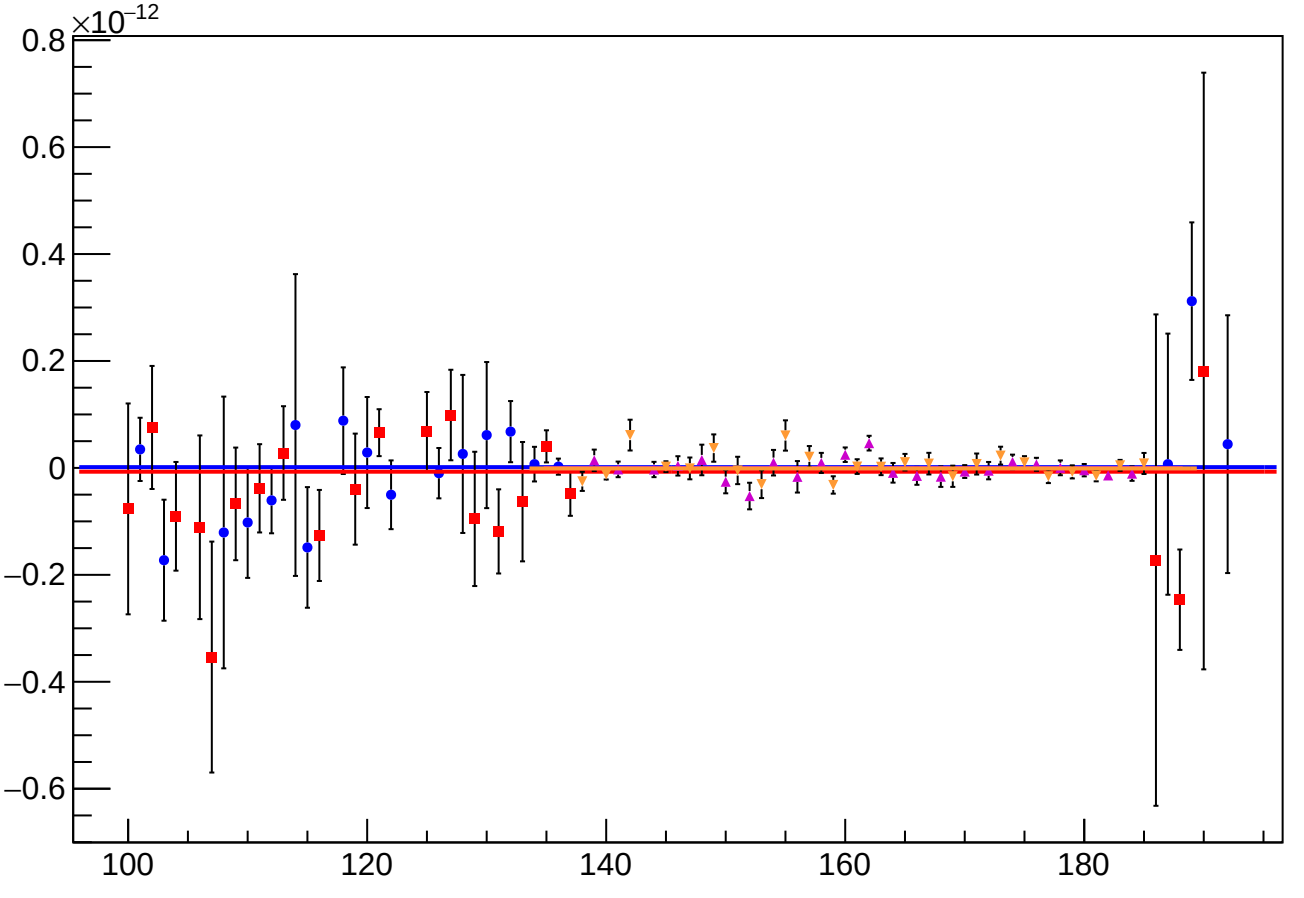
Right Out: 38.205+/-0.011 χ^2/NDF: 2331098.9/20

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.672+/-0.006 χ^2/NDF: 3286387.1/42

All: 41.015+/-0.004 χ^2/NDF: 7109757.8/86

- sign 40.370+/-0.006 χ^2/NDF: 3801751.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

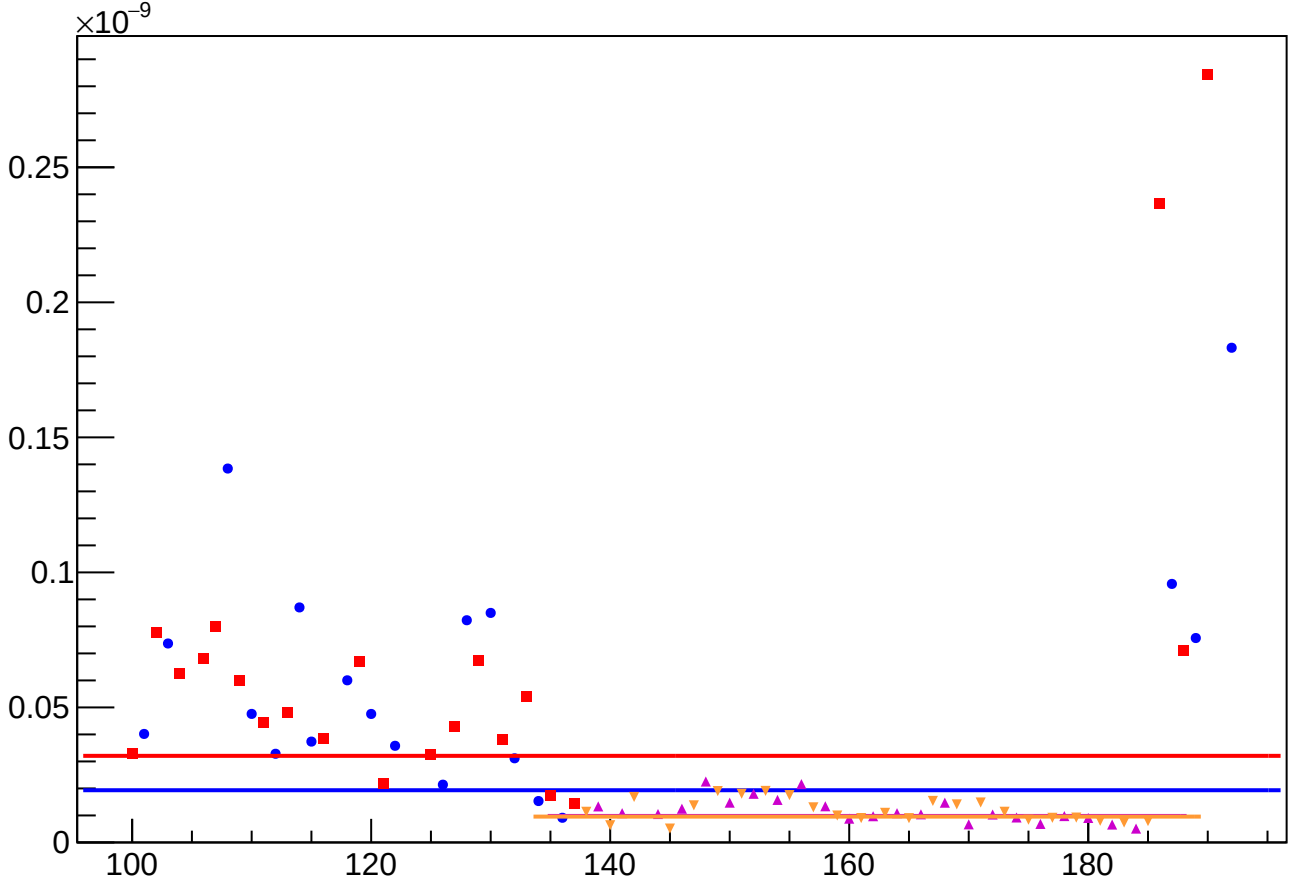
Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/20

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/42

All: -0.000+/-0.000 χ^2/NDF: 97.7/86

- sign -0.000+/-0.000 χ^2/NDF: 53.8/43



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

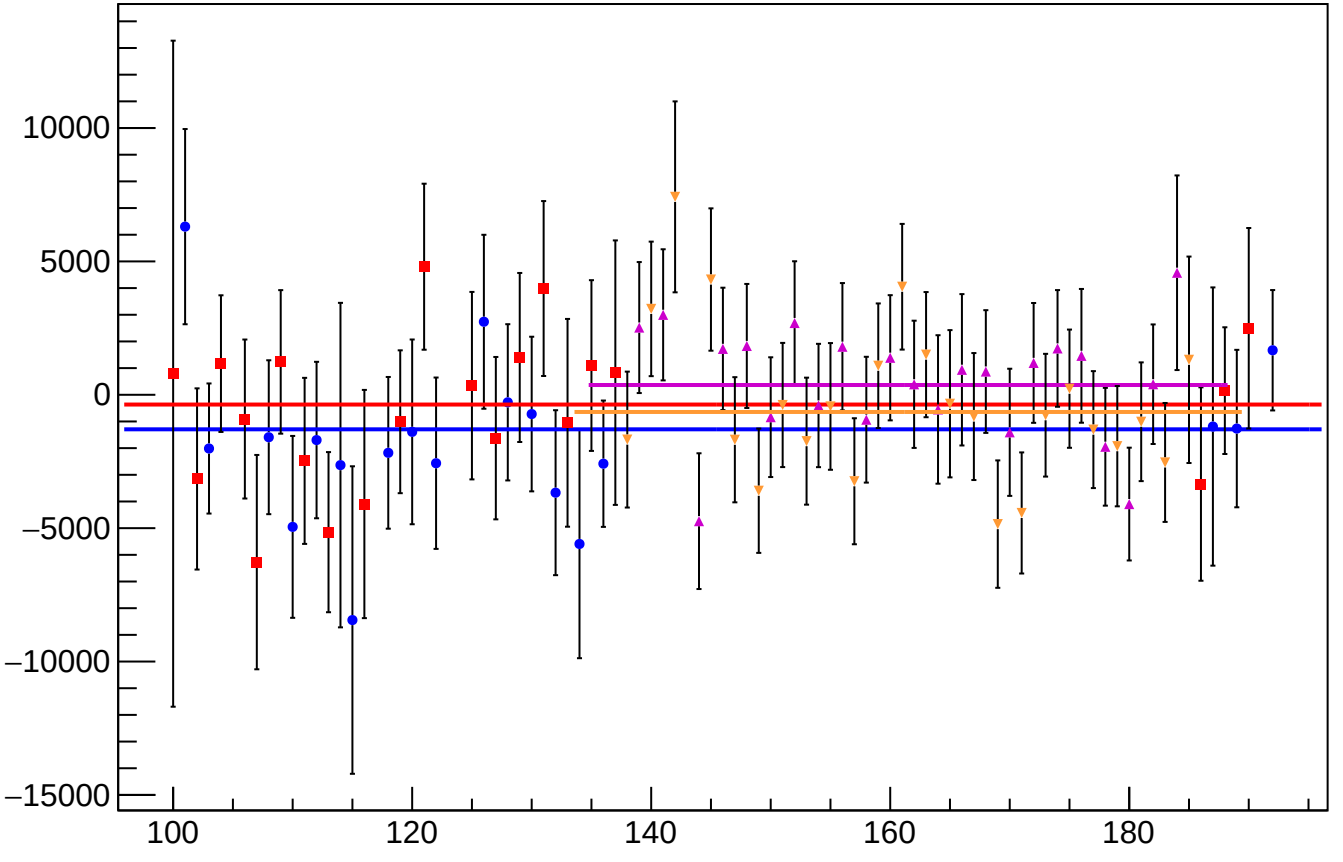
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9238865.4/42

All: 0.000+/-0.000 χ^2/NDF: 18697497.4/86

- sign 0.000+/-0.000 χ^2/NDF: 9439556.6/43

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



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

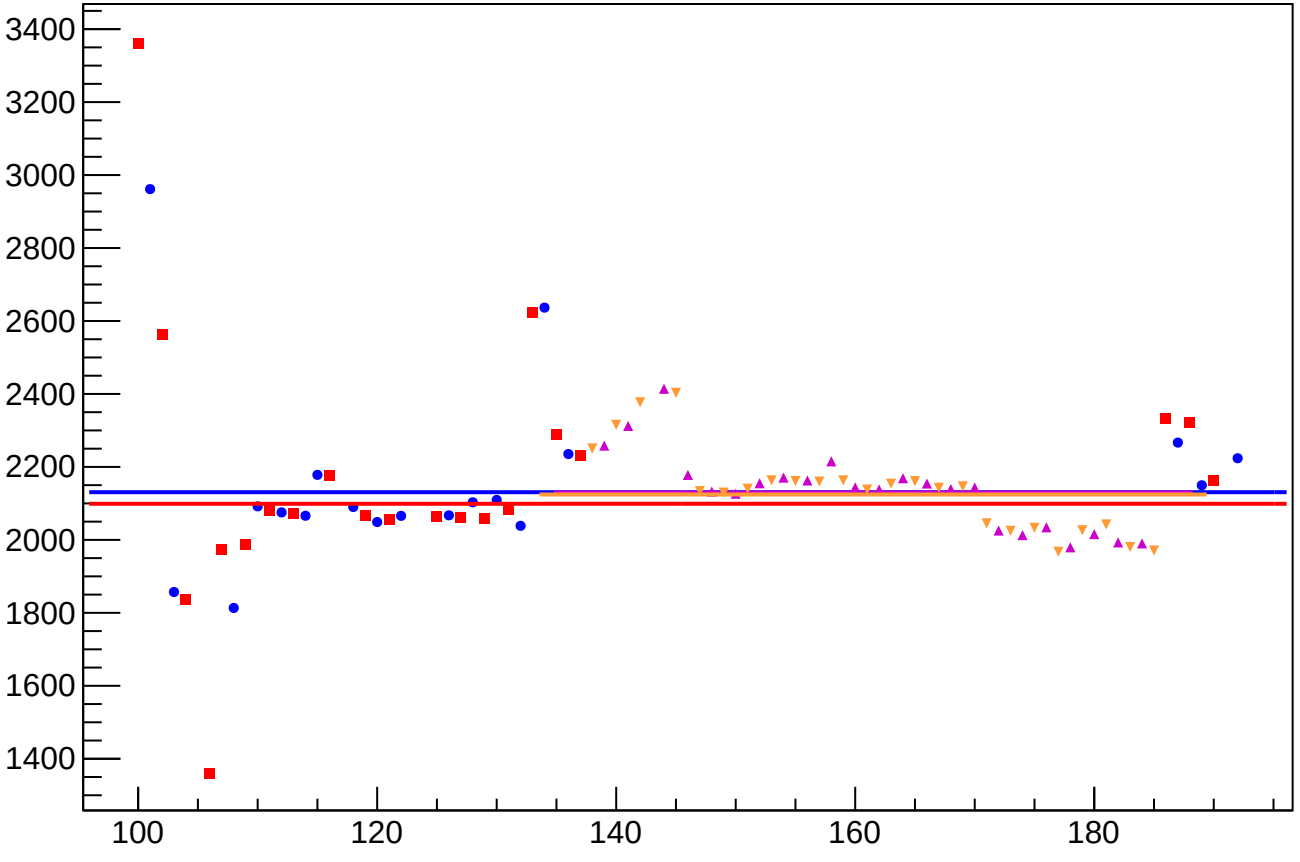
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -852.823+/-406.739 χ^2/NDF: 40.4/42

All: -364.864+/-287.976 χ^2/NDF: 75.4/86

- sign 125.603+/-407.783 χ^2/NDF: 32.1/43

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2130.726+/-0.507 χ^2/NDF: 195575.3/18

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

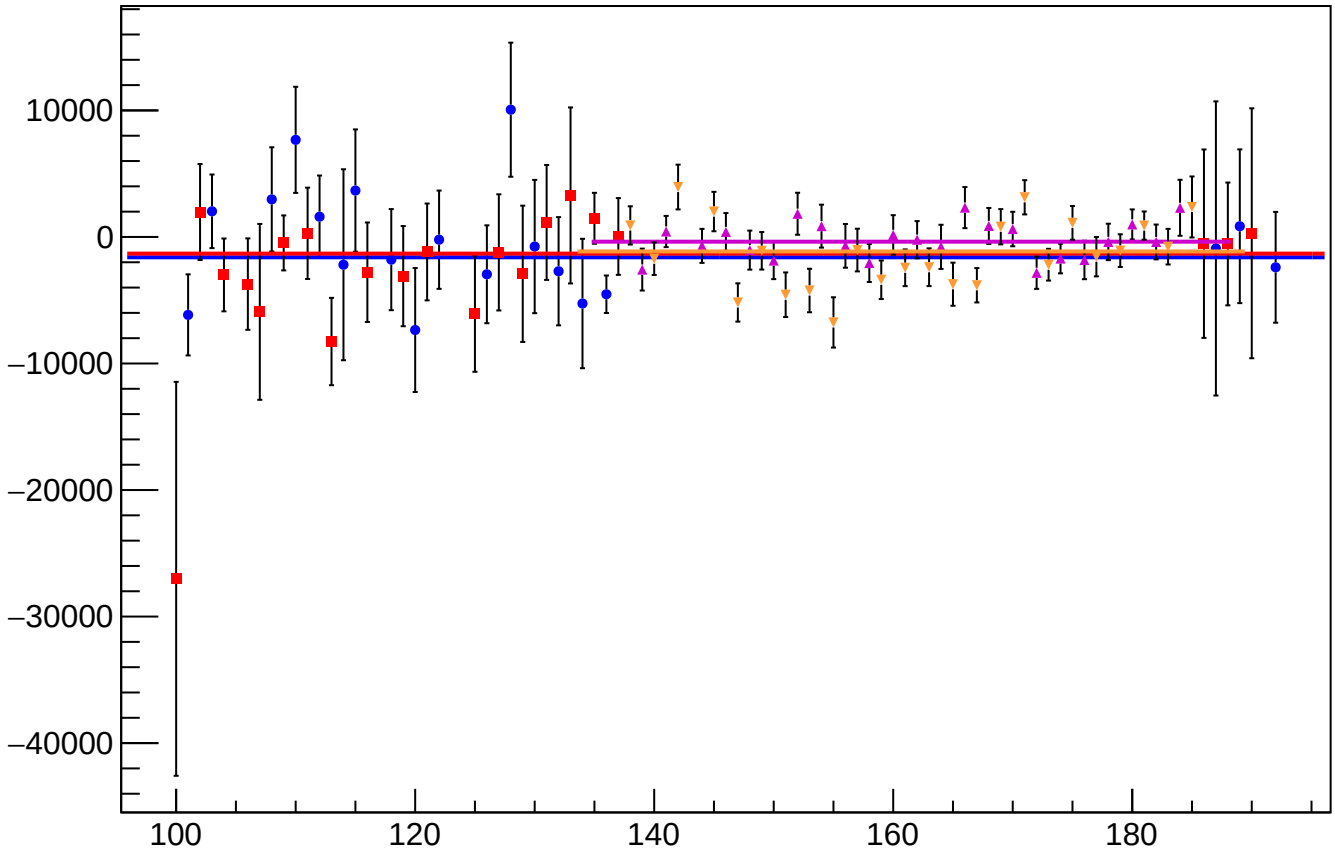
Right Out: 2098.981+/-0.503 χ^2/NDF: 280421.5/20

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2126.457+/-0.288 χ^2/NDF: 284863.5/42

All: 2123.096+/-0.204 χ^2/NDF: 653452.0/86

- sign 2119.718+/-0.288 χ^2/NDF: 368314.7/43



Right In: -1607.838+/-835.894 χ^2/NDF: 23.1/18

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

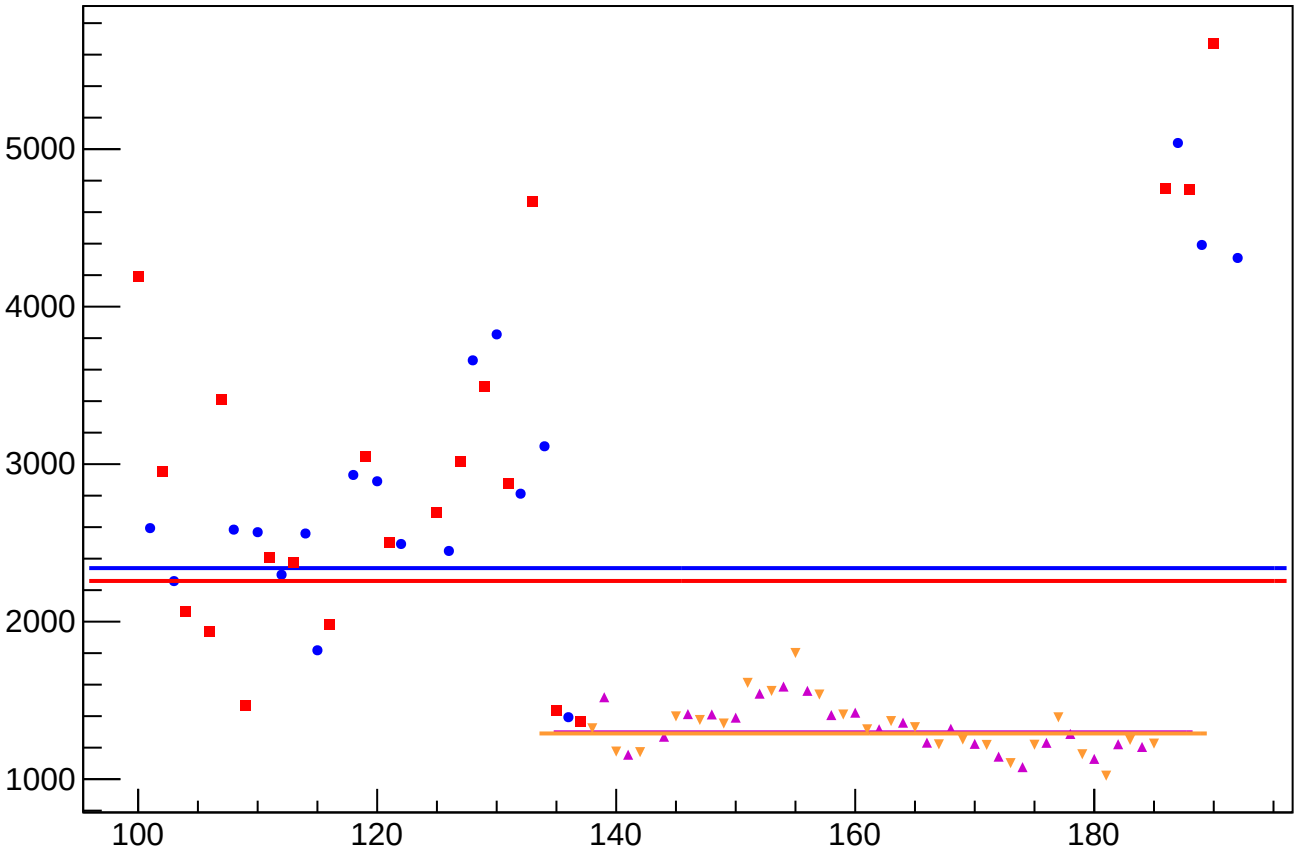
Right Out: -1317.208+/-820.168 χ^2/NDF: 13.5/20

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1198.430+/-284.437 χ^2/NDF: 90.8/42

All: -845.503+/-201.742 χ^2/NDF: 128.9/86

- sign -488.227+/-286.184 χ^2/NDF: 35.0/43



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

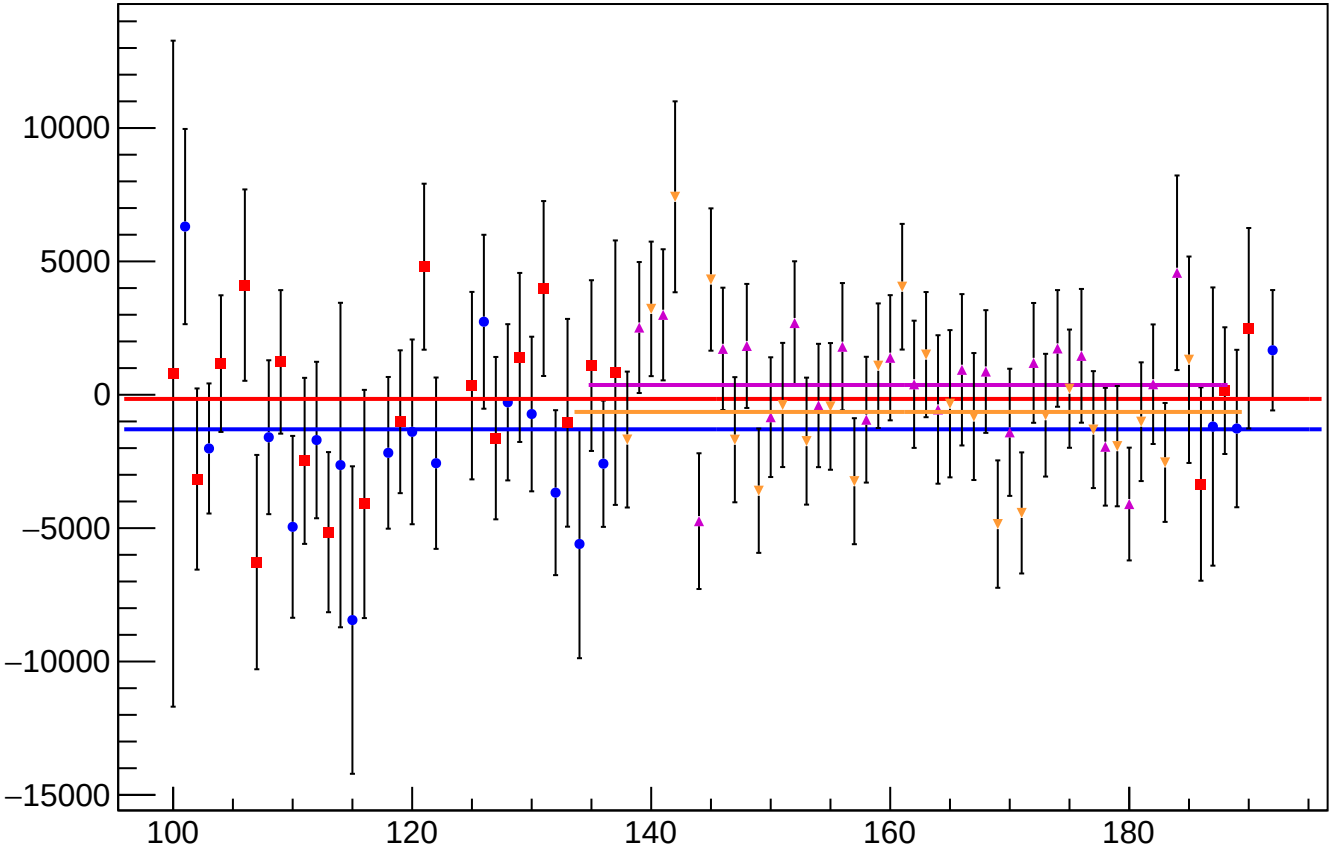
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1411.592+/-0.201 χ^2/NDF: 5394832.7/42

All: 1413.009+/-0.143 χ^2/NDF: 10734640.2/8

- sign 1414.442+/-0.202 χ^2/NDF: 5339707.7/43

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



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

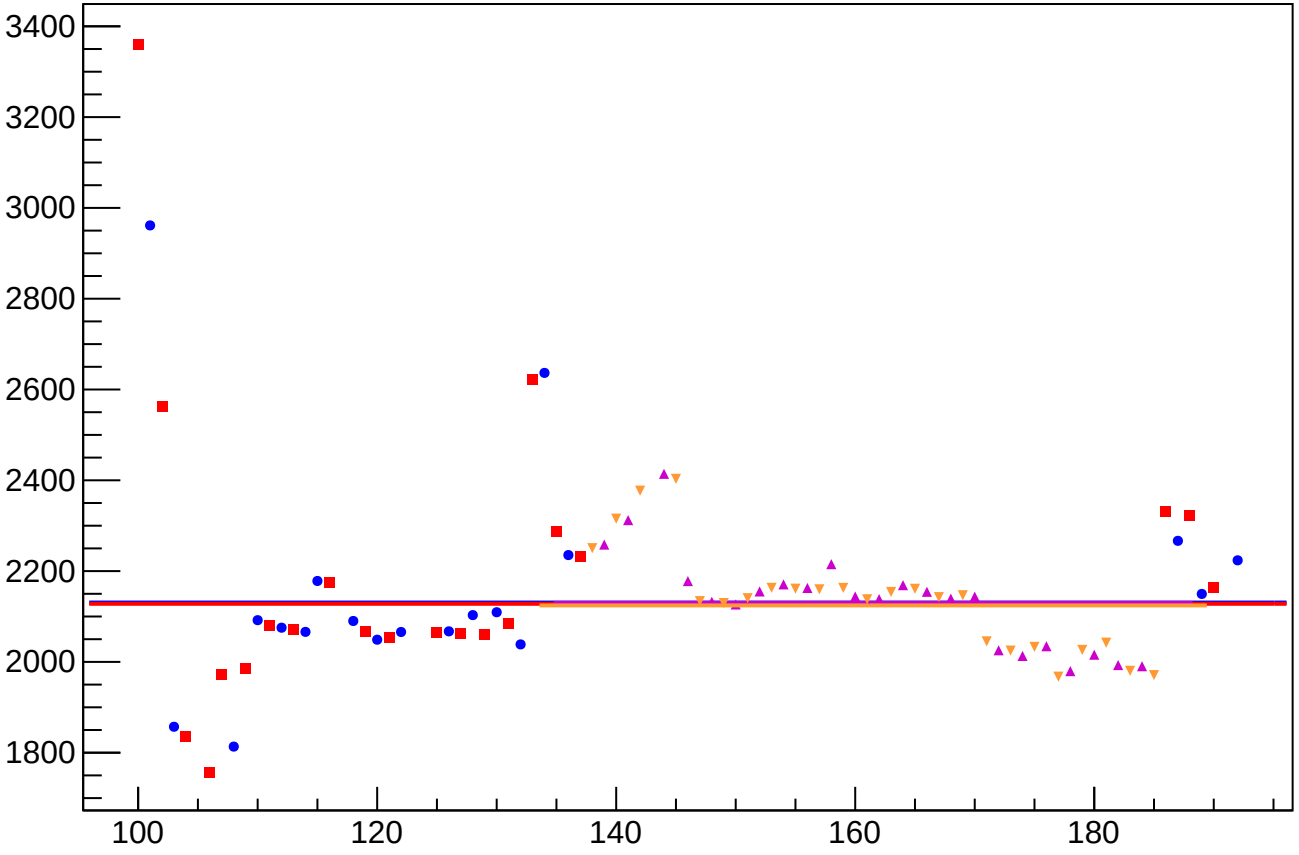
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -852.709+/-406.739 χ^2/NDF: 40.4/42

All: -330.882+/-288.394 χ^2/NDF: 76.9/86

- sign 196.688+/-408.971 χ^2/NDF: 33.1/43

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2130.726+/-0.507 χ^2/NDF: 195575.6/18

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

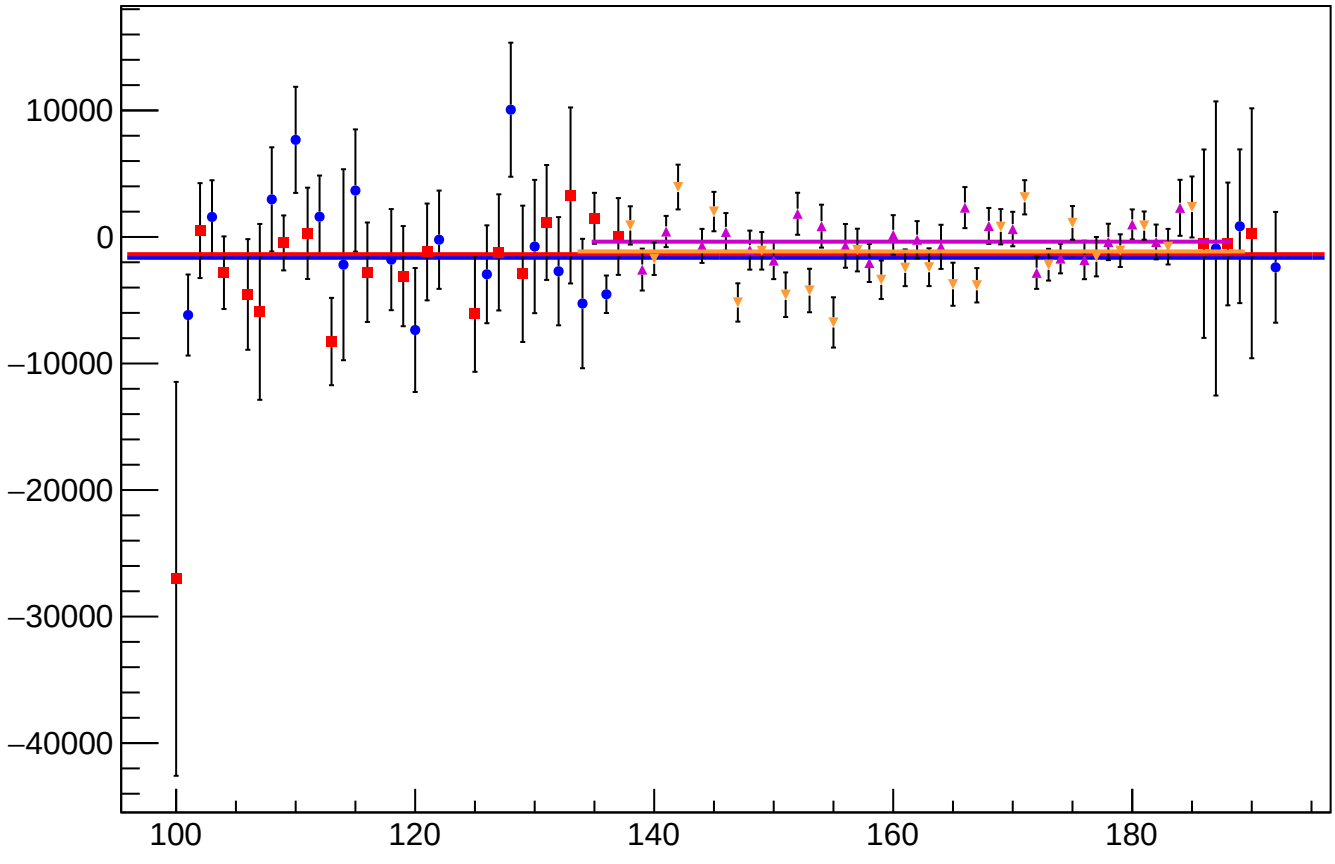
Right Out: 2128.017+/-0.507 χ^2/NDF: 172716.0/20

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

\+ sign 2126.457+/-0.288 χ^2/NDF: 284863.8/42

All: 2127.863+/-0.204 χ^2/NDF: 542991.6/86

\- sign 2129.285+/-0.289 χ^2/NDF: 258079.7/43



Right In: -1643.548+/-835.628 χ^2/NDF: 22.7/18

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

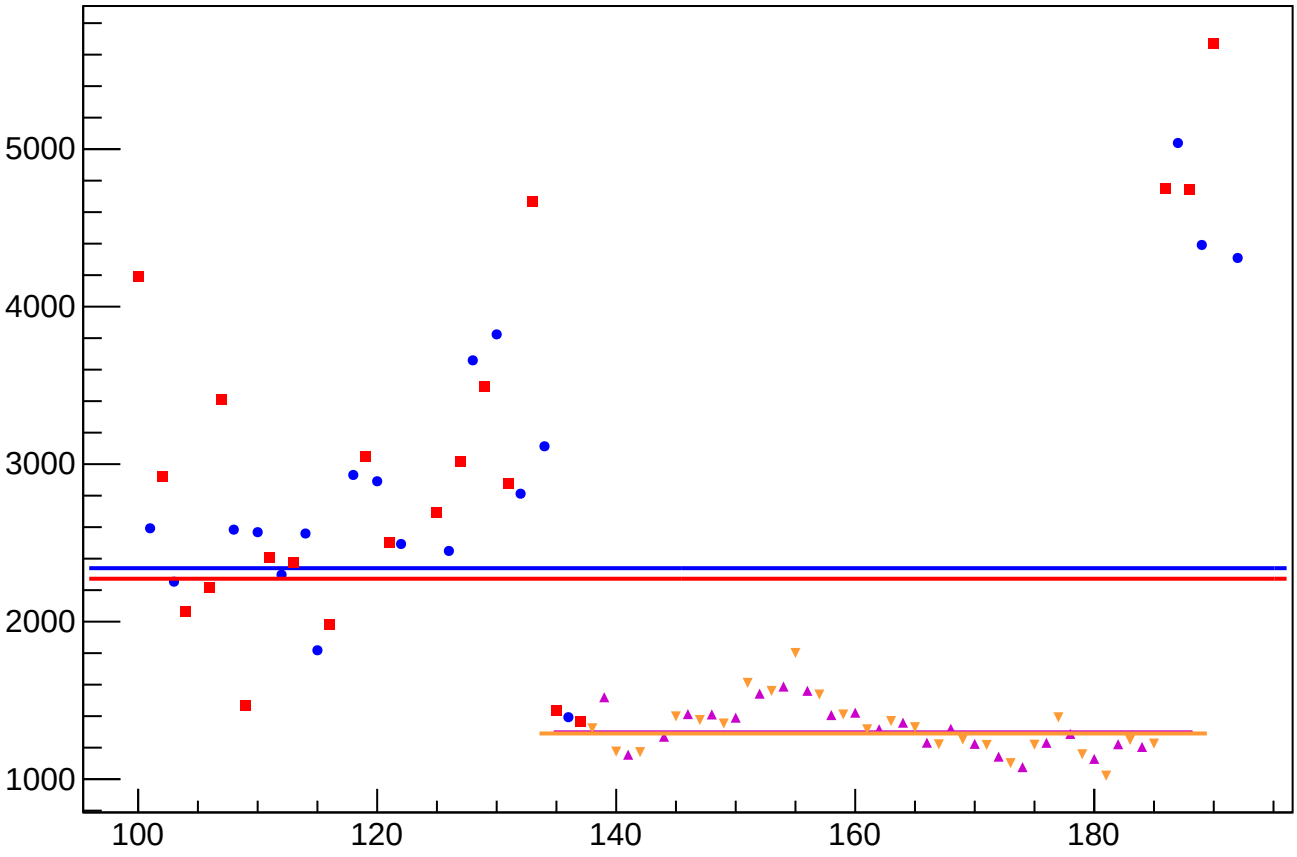
Right Out: -1360.451+/-826.347 χ^2/NDF: 13.0/20

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1202.565+/-284.428 χ^2/NDF: 90.5/42

All: -849.700+/-201.830 χ^2/NDF: 128.2/86

- sign -491.815+/-286.445 χ^2/NDF: 34.6/43



Right In: 2339.488+/-0.591 χ^2/NDF: 2037289.9/18

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

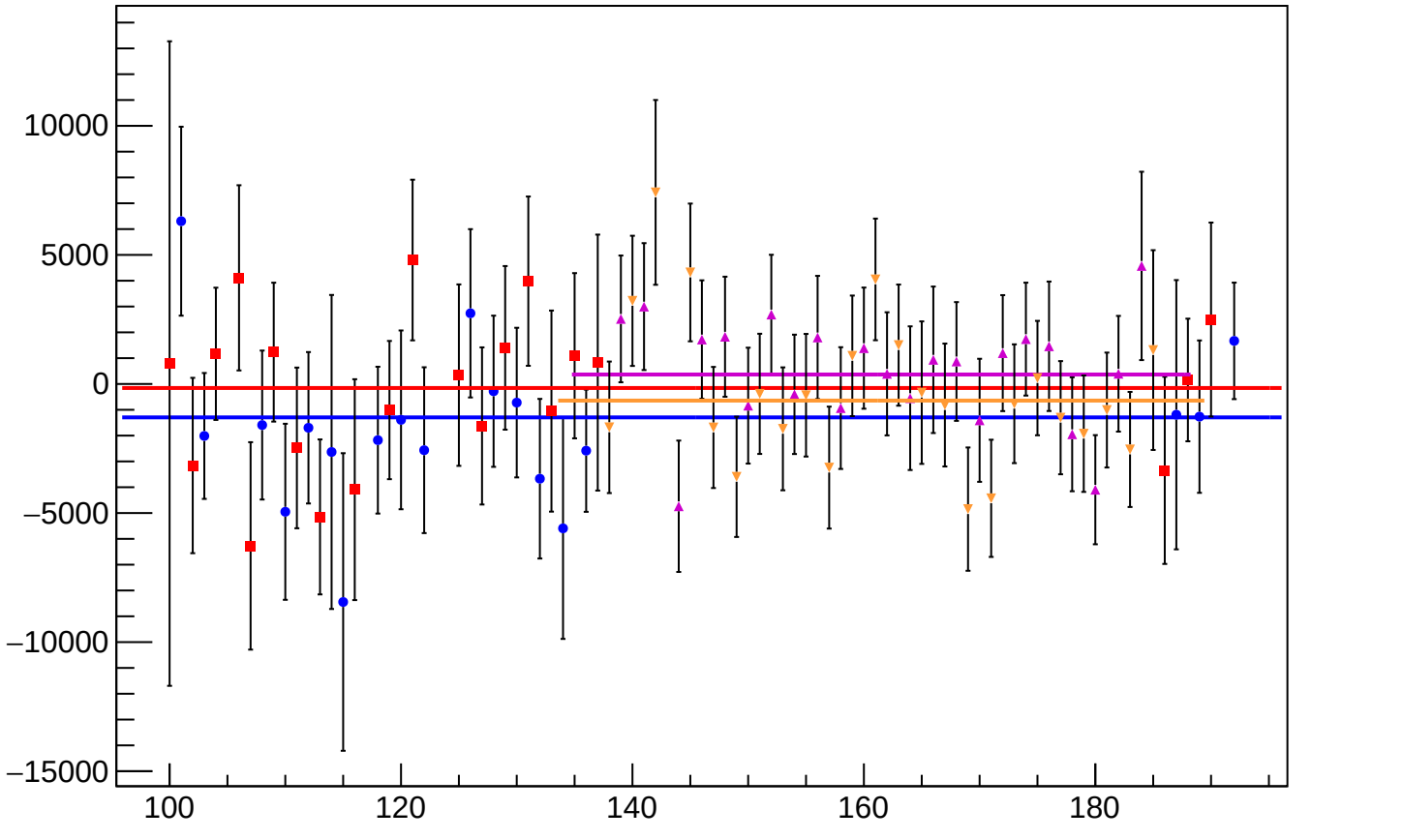
Right Out: 2272.504+/-0.584 χ^2/NDF: 2475010.9/20

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1411.626+/-0.201 χ^2/NDF: 5394169.8/42

All: 1413.111+/-0.143 χ^2/NDF: 10753260.9/8

- sign 1414.618+/-0.203 χ^2/NDF: 5358981.2/43



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

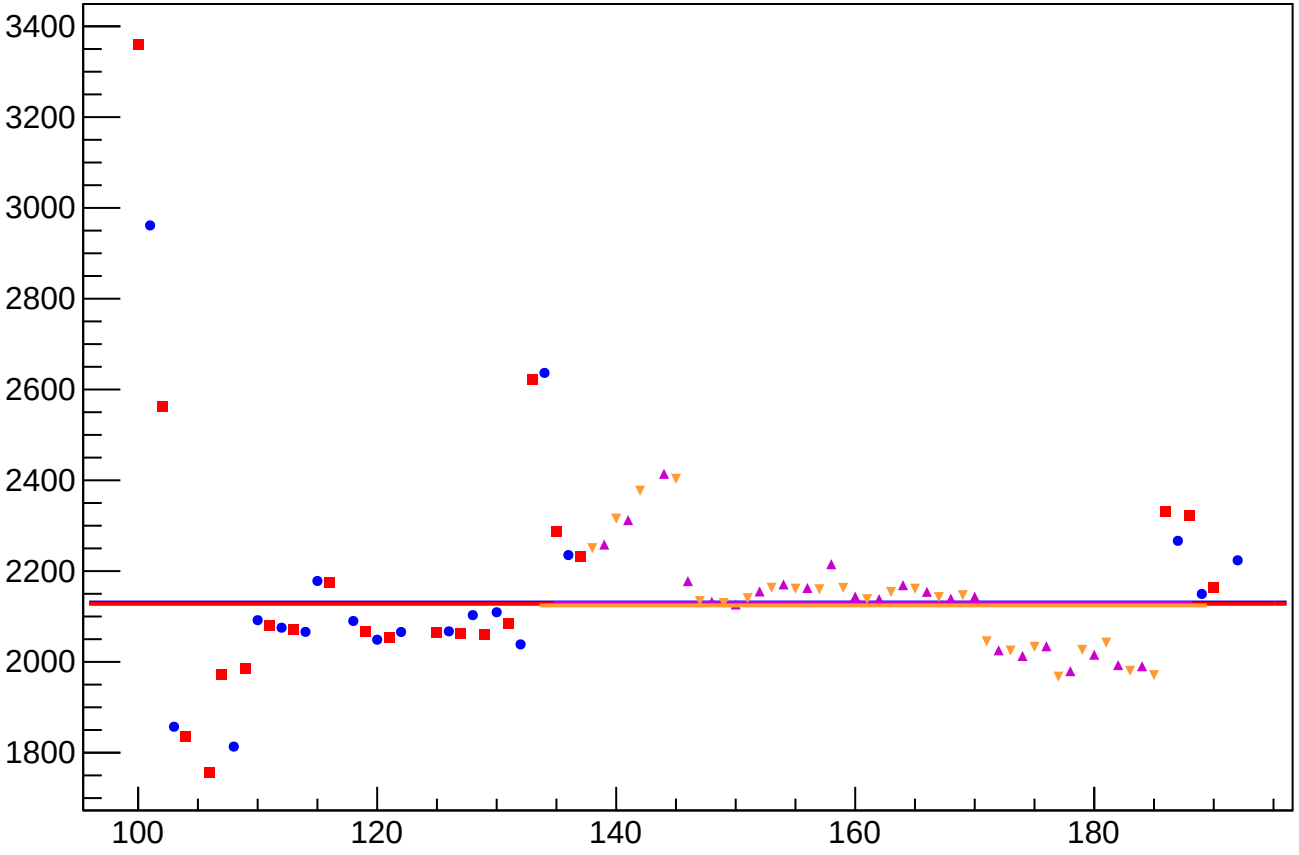
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -852.709+/-406.739 χ^2/NDF: 40.4/42

All: -330.882+/-288.394 χ^2/NDF: 76.9/86

- sign 196.688+/-408.971 χ^2/NDF: 33.1/43

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2130.726+/-0.507 χ^2/NDF: 195575.6/18

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

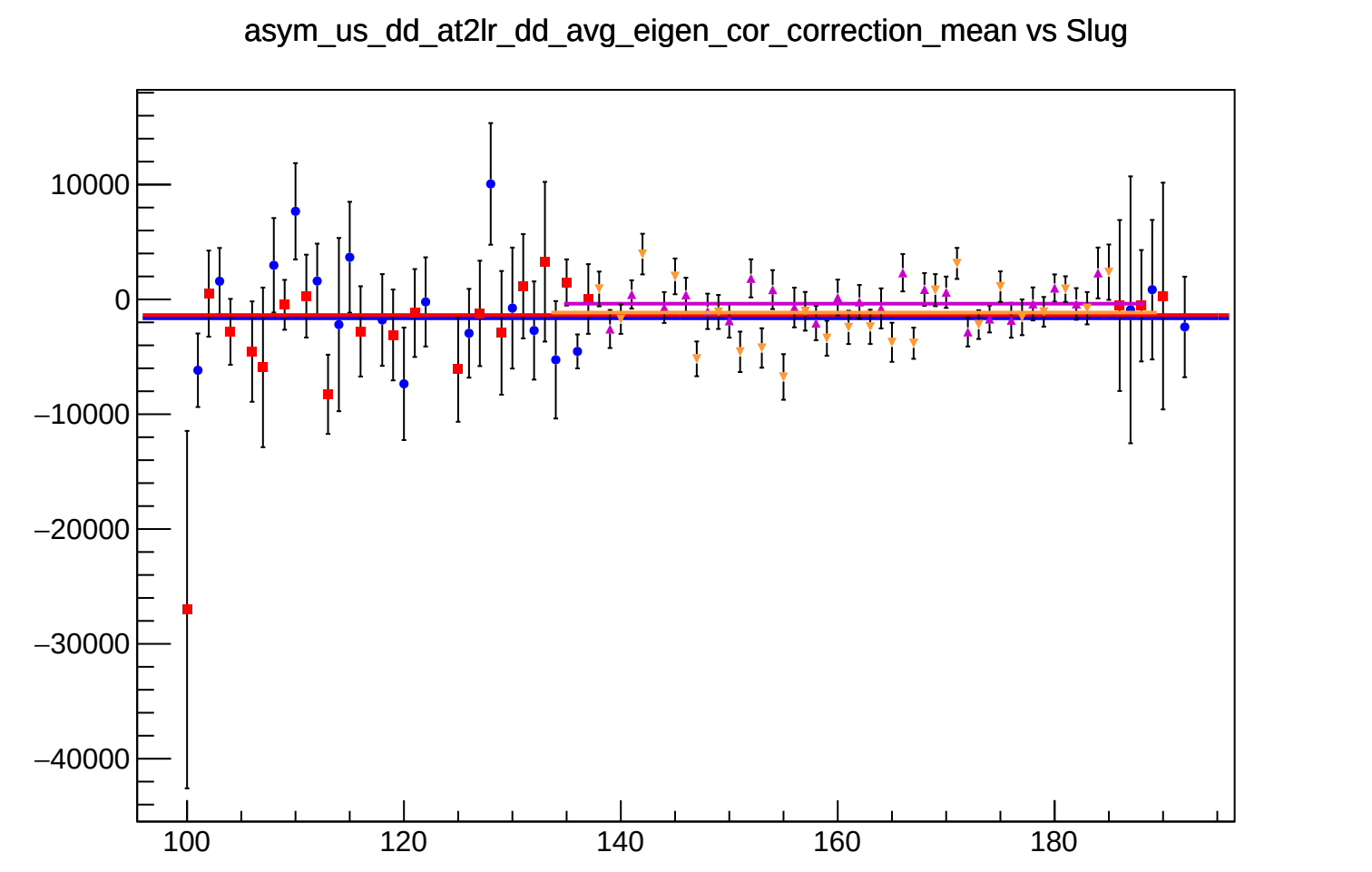
Right Out: 2128.017+/-0.507 χ^2/NDF: 172716.0/20

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2126.457+/-0.288 χ^2/NDF: 284863.8/42

All: 2127.863+/-0.204 χ^2/NDF: 542991.6/86

- sign 2129.285+/-0.289 χ^2/NDF: 258079.7/43



Right In: -1643.548+/-835.628 χ^2/NDF: 22.7/18

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

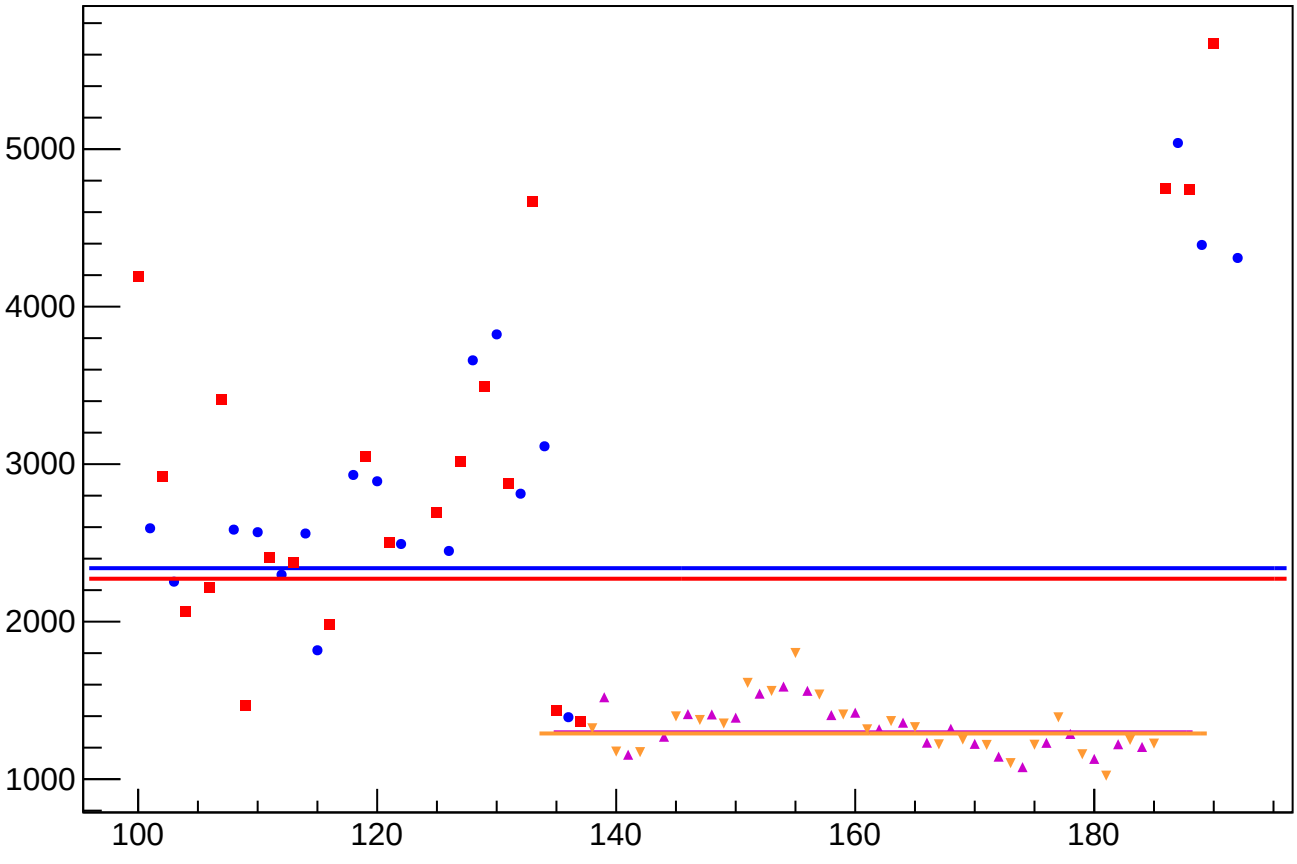
Right Out: -1360.451+/-826.347 χ^2/NDF: 13.0/20

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1202.565+/-284.428 χ^2/NDF: 90.5/42

All: -849.700+/-201.830 χ^2/NDF: 128.2/86

- sign -491.815+/-286.445 χ^2/NDF: 34.6/43



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

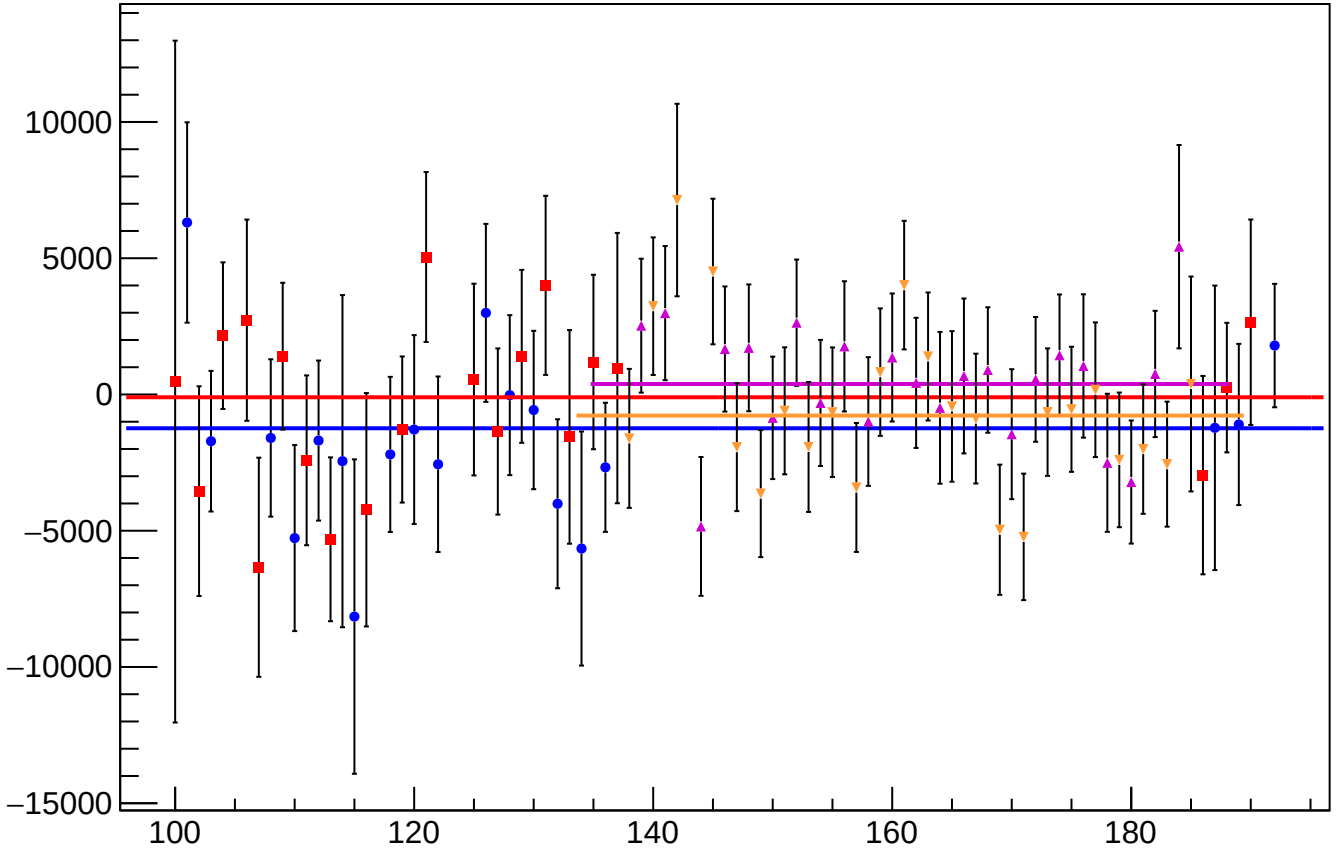
Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1411.626+/-0.201 χ^2/NDF: 5394169.8/42

All: 1413.111+/-0.143 χ^2/NDF: 10753260.9/8

- sign 1414.618+/-0.203 χ^2/NDF: 5358981.2/43

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1240.118+/-722.340 χ^2/NDF: 13.4/18

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -102.118+/-725.195 χ^2/NDF: 15.7/20

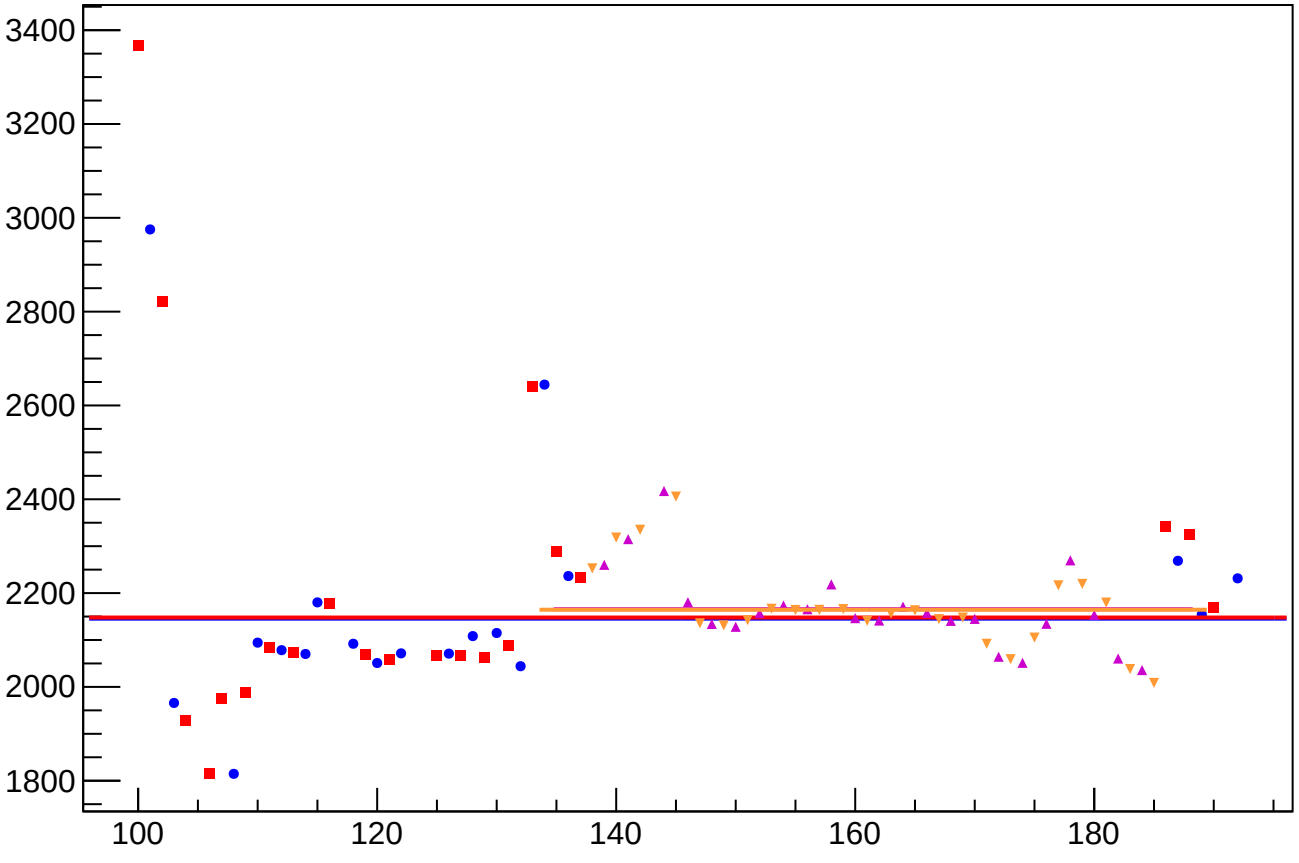
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -925.854+/-412.679 χ^2/NDF: 42.2/42

All: -353.326+/-292.625 χ^2/NDF: 77.8/86

- sign 225.659+/-415.000 χ^2/NDF: 31.7/43

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2145.505+/-0.511 χ^2/NDF: 180593.0/18

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

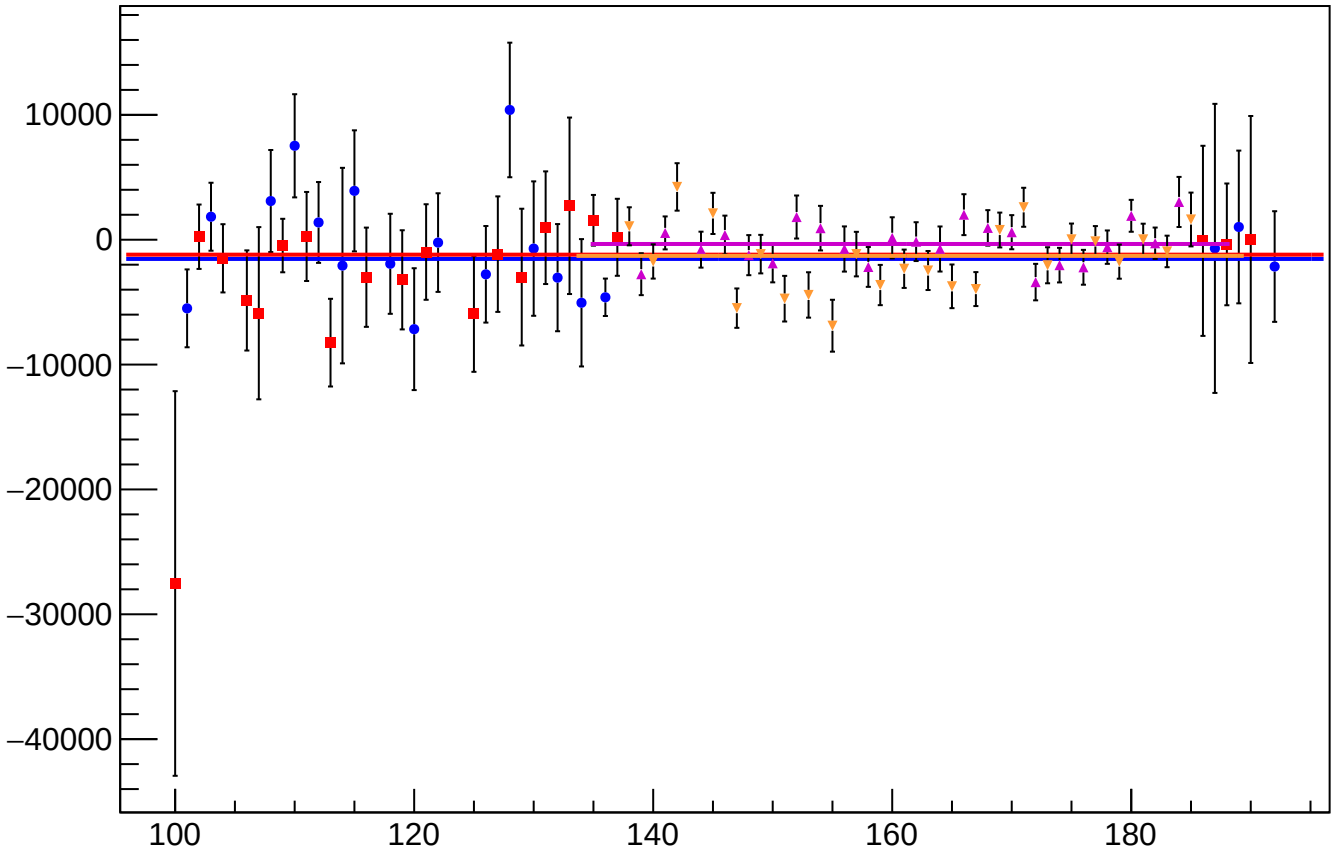
Right Out: 2147.905+/-0.513 χ^2/NDF: 183272.1/20

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2158.322+/-0.292 χ^2/NDF: 232204.0/42

All: 2159.074+/-0.207 χ^2/NDF: 468418.7/86

- sign 2159.834+/-0.293 χ^2/NDF: 236201.3/43



Right In: -1538.745+/-833.922 χ^2/NDF: 22.8/18

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

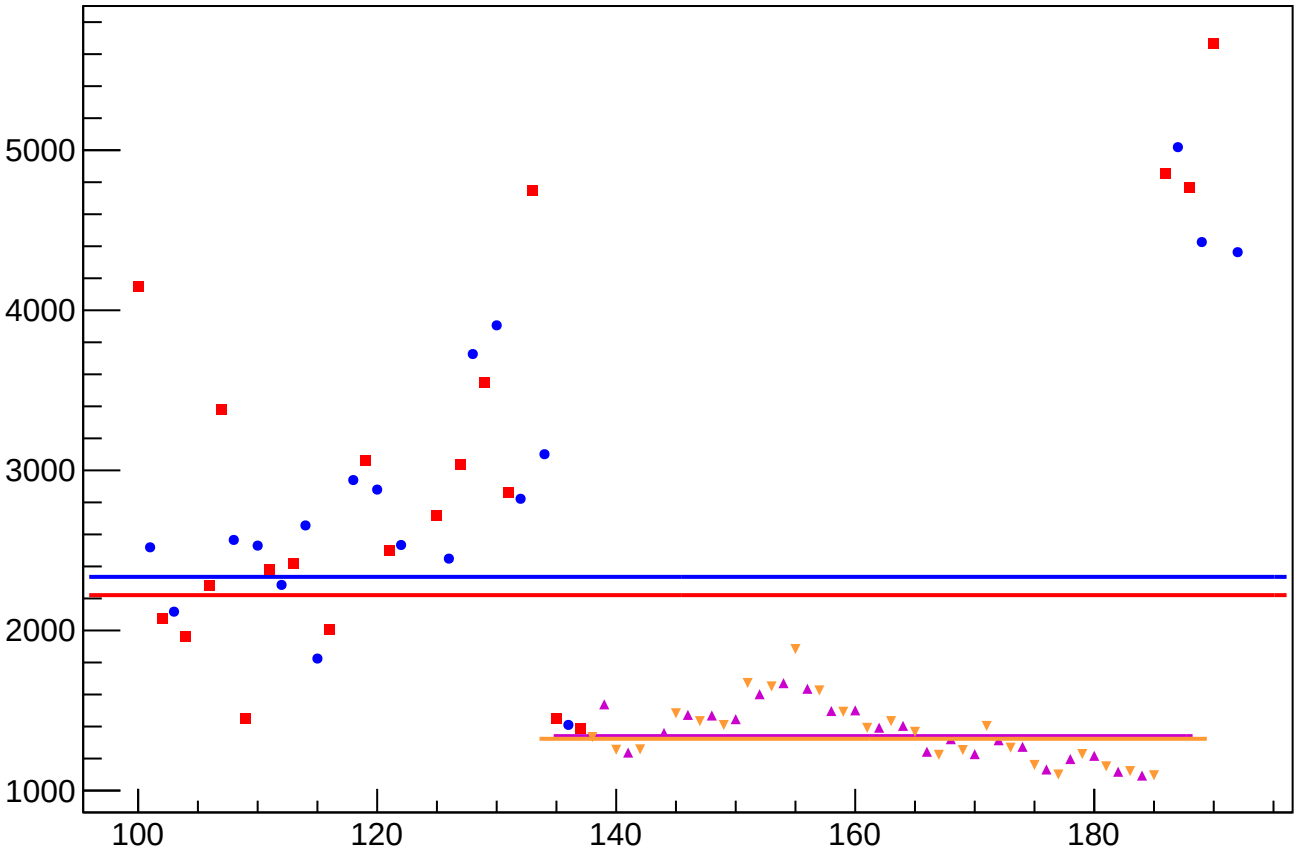
Right Out: -1196.535+/-801.269 χ^2/NDF: 13.1/20

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1323.570+/-291.084 χ^2/NDF: 81.6/42

All: -893.592+/-206.717 χ^2/NDF: 124.9/86

- sign -456.103+/-293.616 χ^2/NDF: 38.9/43



Right In: 2334.844+/-0.590 χ^2/NDF: 2030713.6/18

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

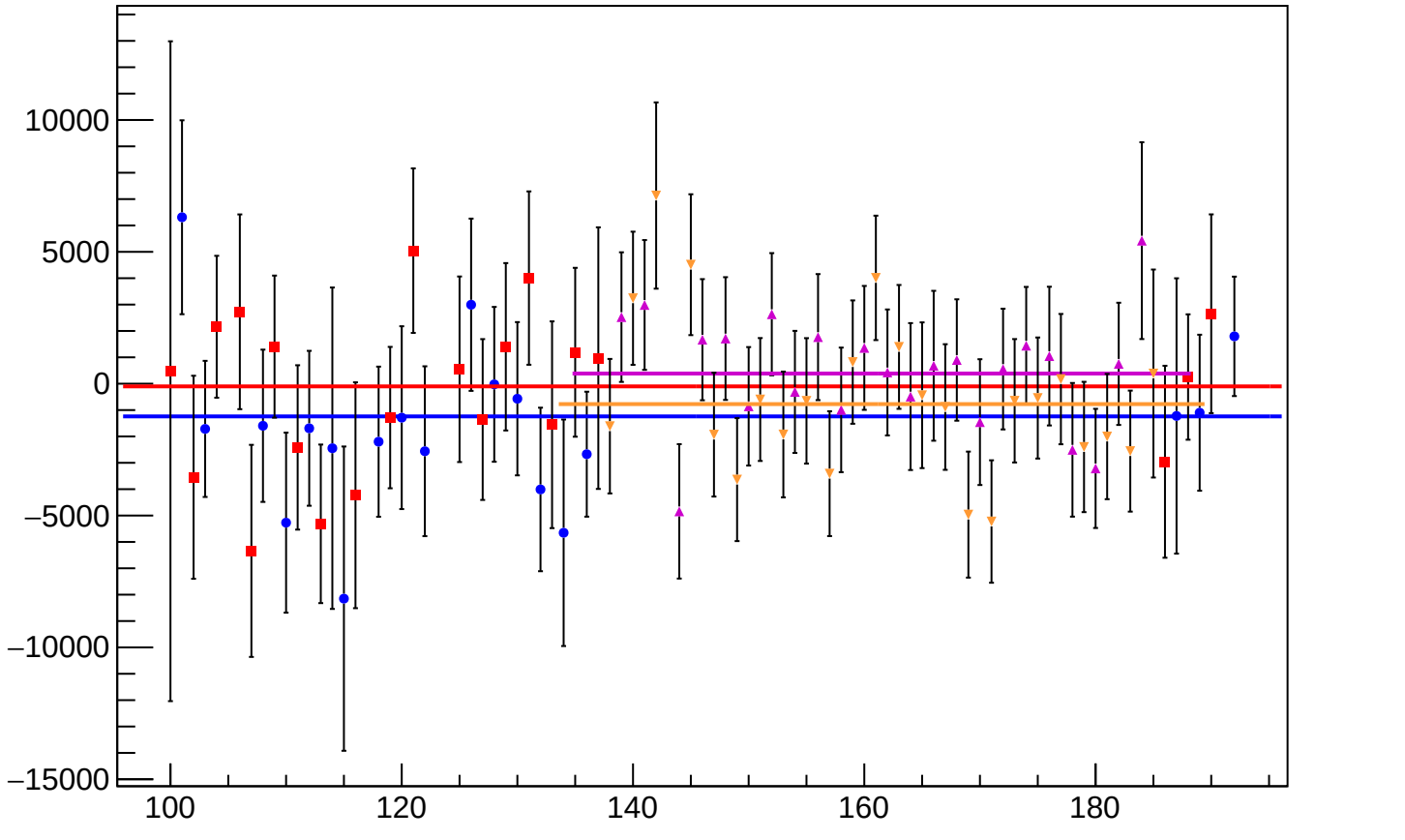
Right Out: 2220.721+/-0.567 χ^2/NDF: 2450103.1/20

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1446.636+/-0.206 χ^2/NDF: 5278229.7/42

All: 1452.434+/-0.146 χ^2/NDF: 10315641.3/8

- sign 1458.334+/-0.208 χ^2/NDF: 5035810.4/43



Right In: -1240.120+/-722.340 χ^2/NDF: 13.4/18

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -102.115+/-725.195 χ^2/NDF: 15.7/20

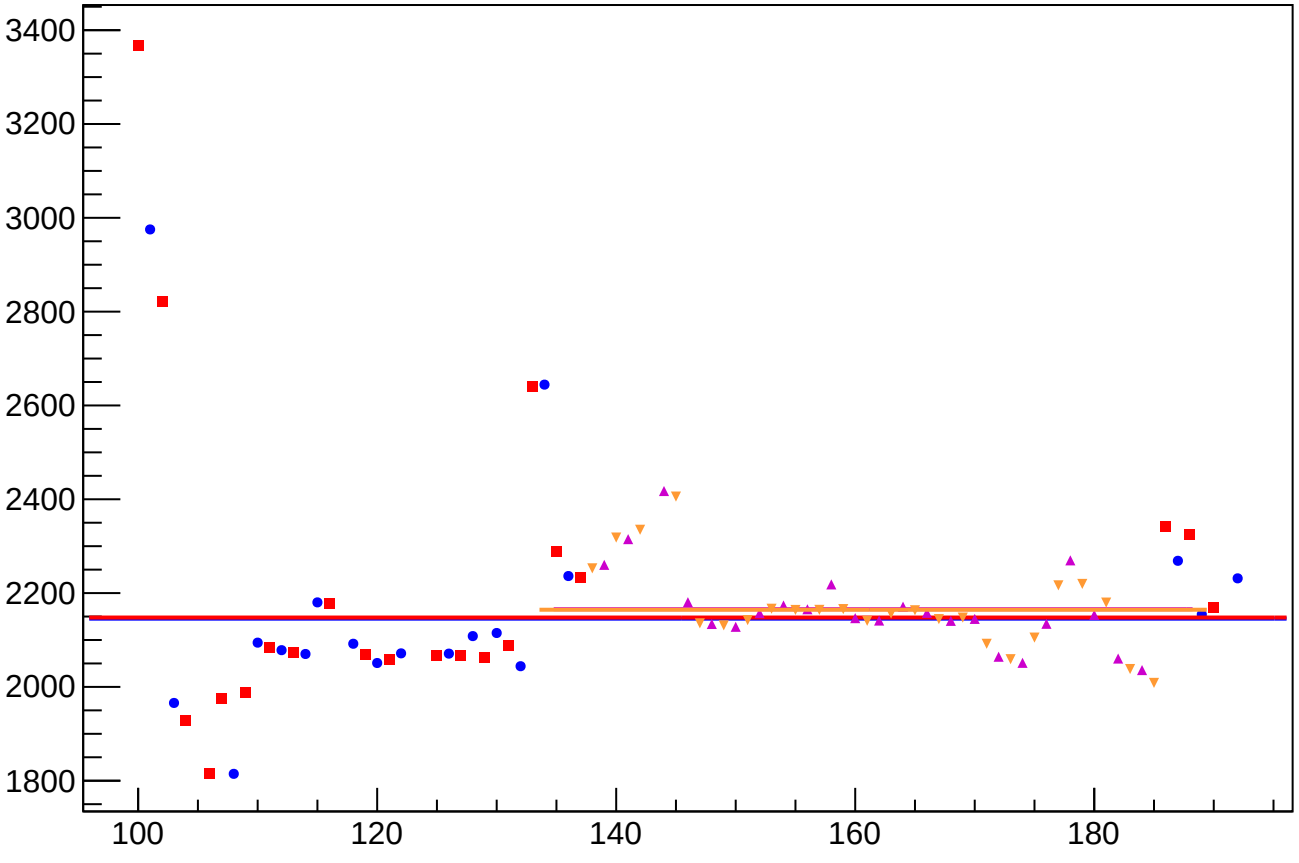
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -925.853+/-412.679 χ^2/NDF: 42.2/42

All: -353.325+/-292.625 χ^2/NDF: 77.8/86

- sign 225.660+/-415.000 χ^2/NDF: 31.7/43

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2145.505+/-0.511 χ^2/NDF: 180593.0/18

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

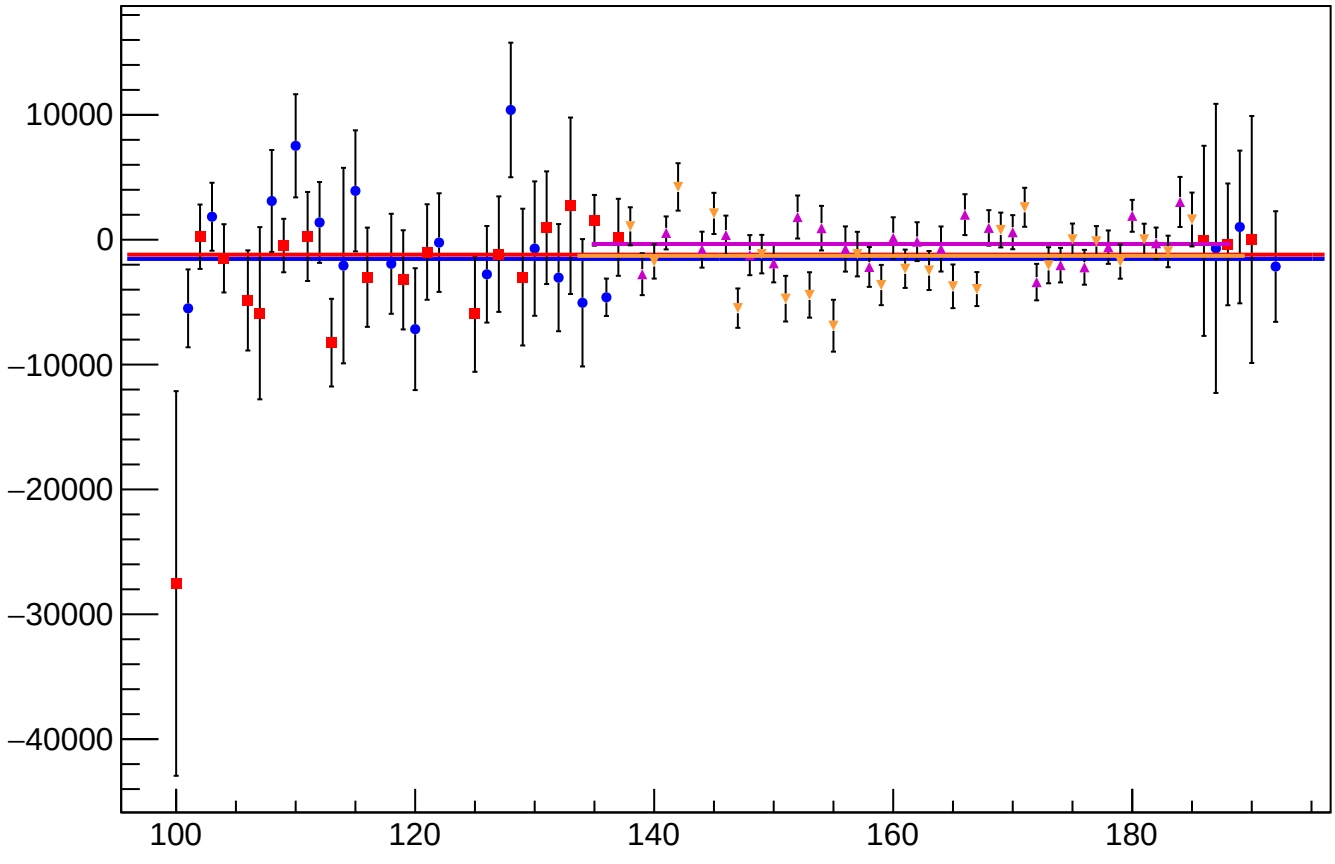
Right Out: 2147.905+/-0.513 χ^2/NDF: 183272.0/20

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2158.322+/-0.292 χ^2/NDF: 232204.0/42

All: 2159.073+/-0.207 χ^2/NDF: 468418.6/86

- sign 2159.834+/-0.293 χ^2/NDF: 236201.2/43



Right In: -1538.732+/-833.924 χ^2/NDF: 22.8/18

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

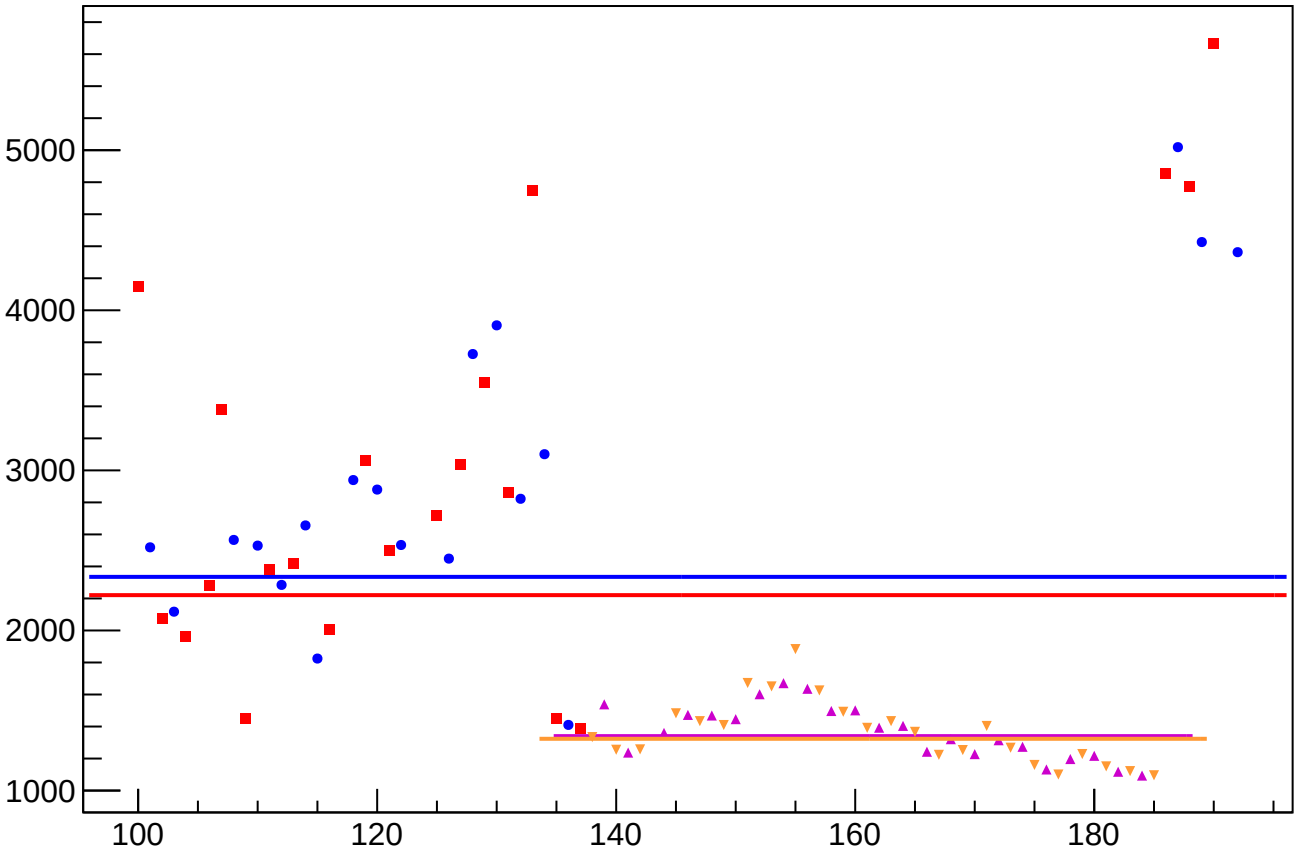
Right Out: -1196.549+/-801.272 χ^2/NDF: 13.1/20

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1323.569+/-291.085 χ^2/NDF: 81.6/42

All: -893.591+/-206.717 χ^2/NDF: 124.9/86

- sign -456.102+/-293.616 χ^2/NDF: 38.9/43



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

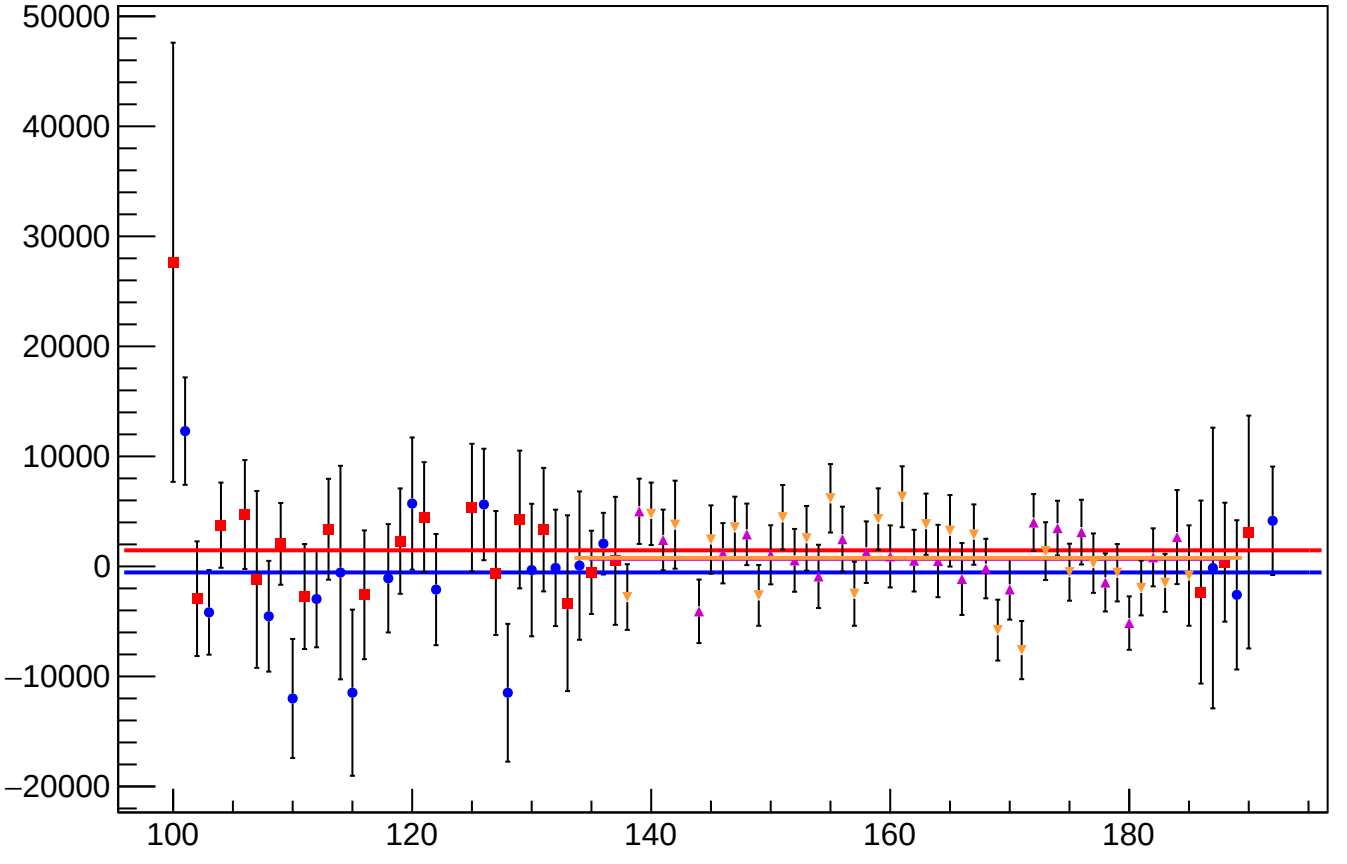
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

\+ sign 1446.636+/-0.206 χ^2/NDF: 5278206.2/42

All: 1452.434+/-0.146 χ^2/NDF: 10315624.5/8

\- sign 1458.333+/-0.208 χ^2/NDF: 5035817.5/43

asym_us_dd_at2lr_dd_avg_mean vs Slug



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

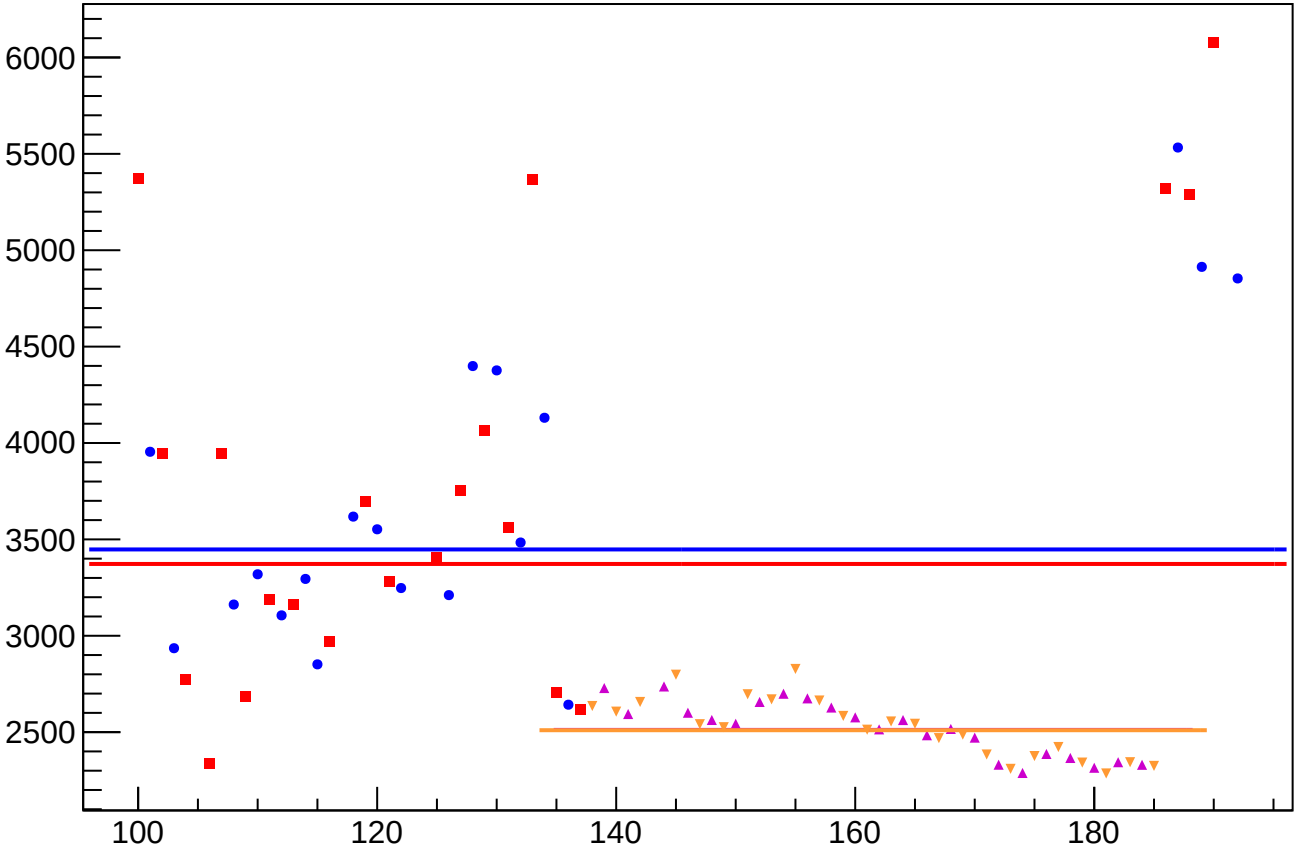
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

\+ sign 514.903+/-523.224 χ^2/NDF: 63.3/42

All: 679.477+/-370.591 χ^2/NDF: 89.2/86

\- sign 845.152+/-524.971 χ^2/NDF: 25.7/43

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3447.827+/-0.835 χ^2/NDF: 689648.2/18

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

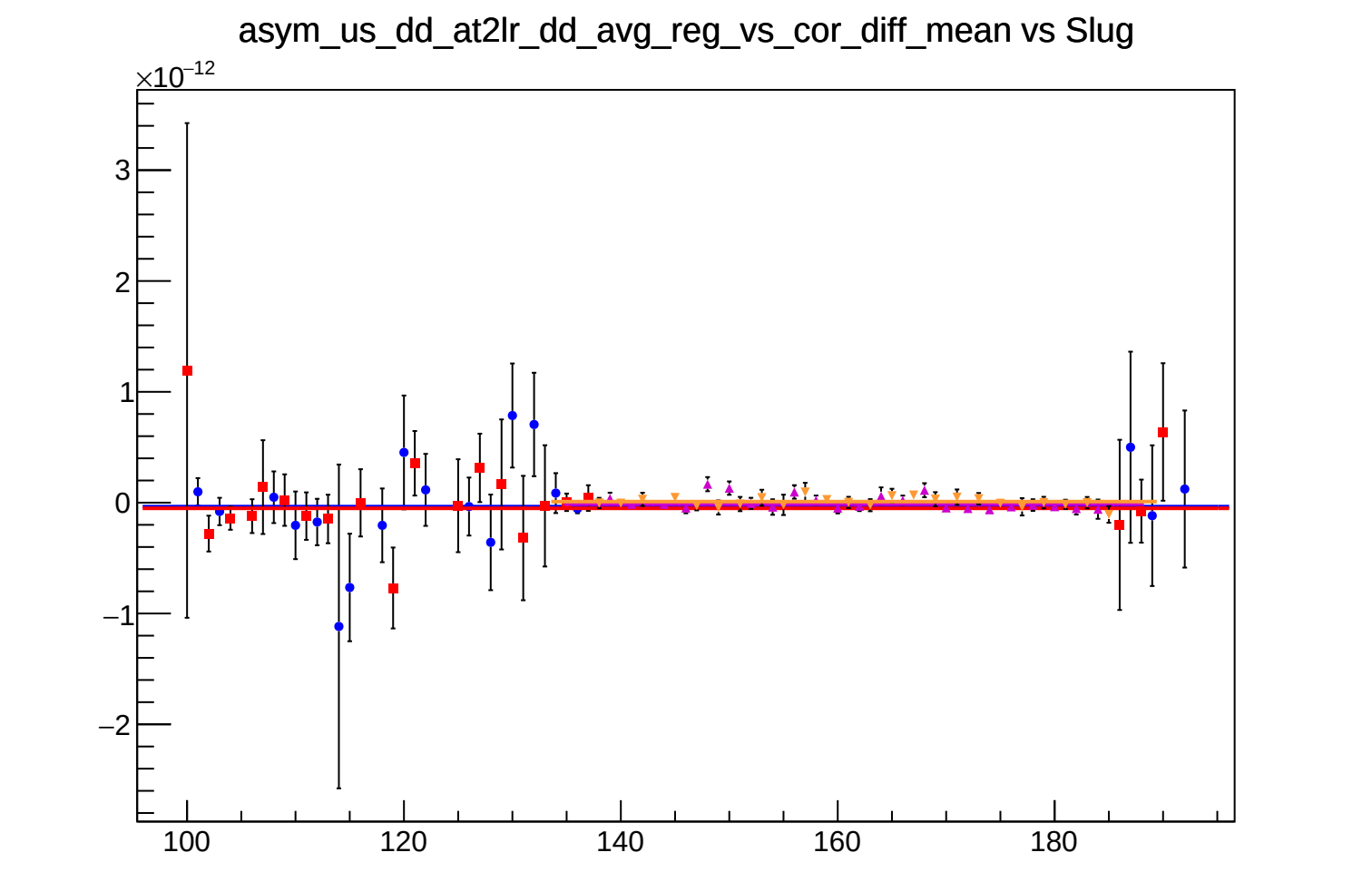
Right Out: 3372.509+/-0.827 χ^2/NDF: 1032933.2/20

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2694.301+/-0.370 χ^2/NDF: 1832471.9/42

All: 2689.645+/-0.262 χ^2/NDF: 3844131.0/86

- sign 2684.957+/-0.371 χ^2/NDF: 2011341.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

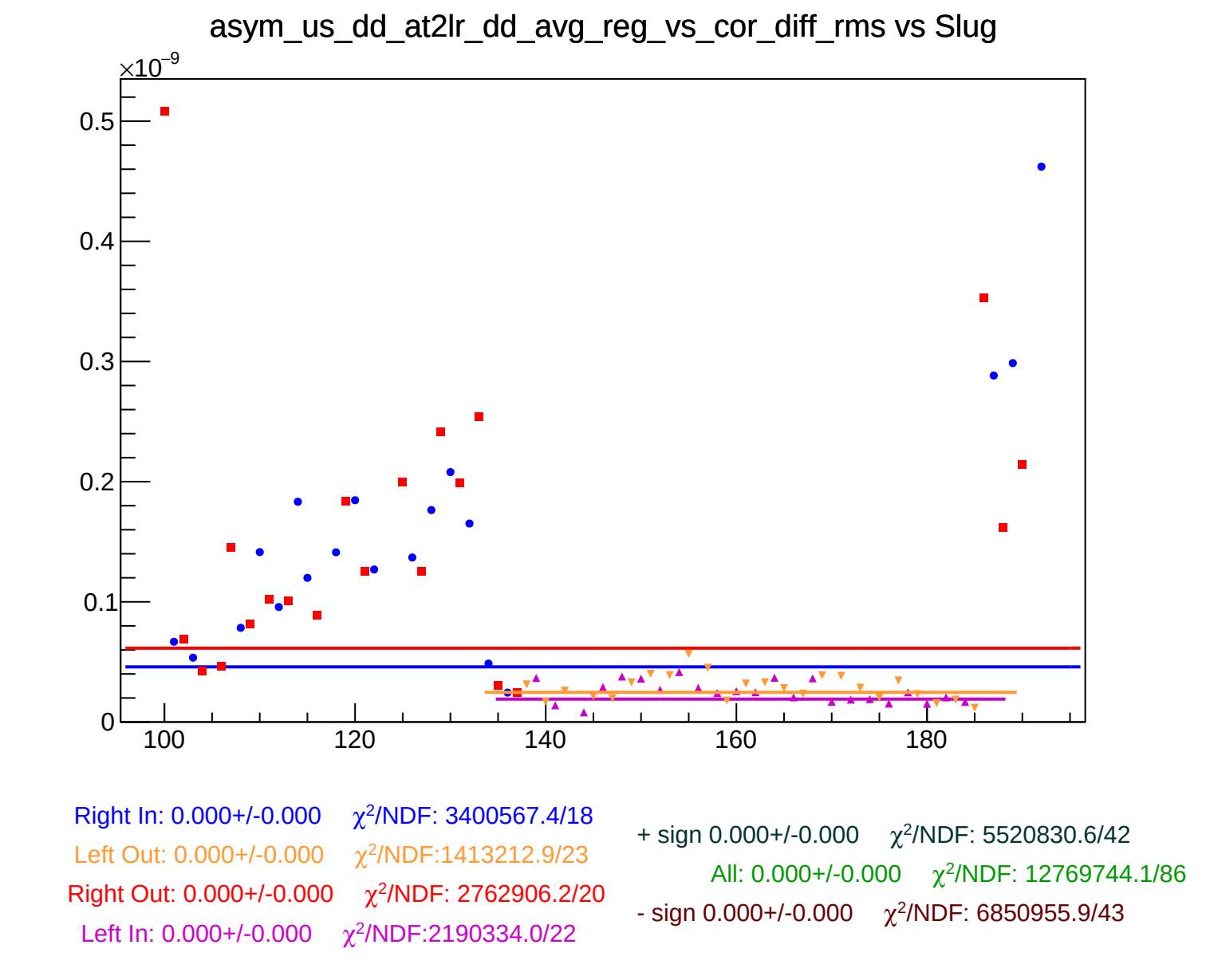
Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/20

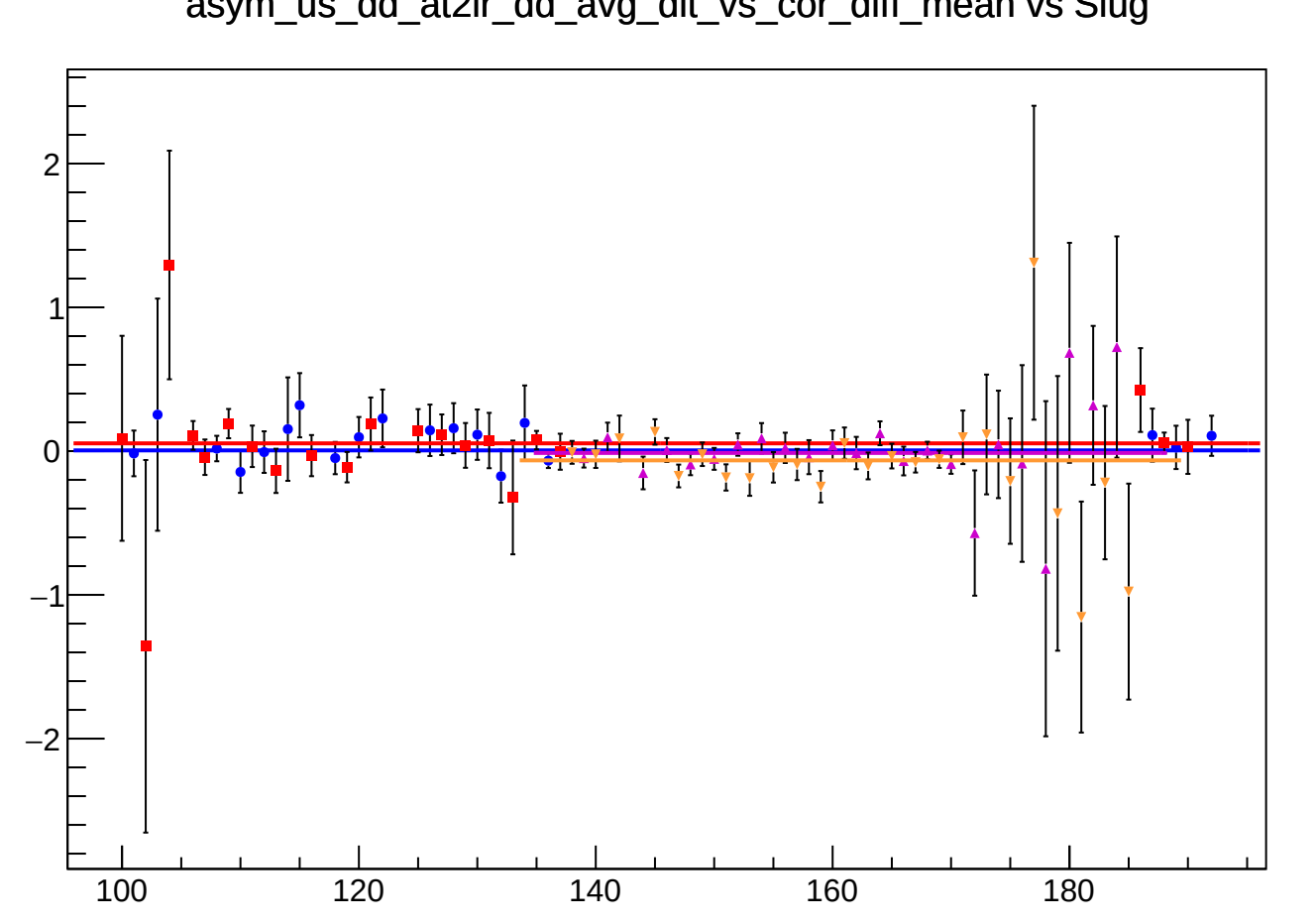
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/42

All: -0.000+/-0.000 χ^2/NDF: 75.6/86

- sign -0.000+/-0.000 χ^2/NDF: 45.6/43


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3400567.4/18
Left Out: 0.000+/-0.000 χ²/NDF:1413212.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 2762906.2/20
Left In: 0.000+/-0.000 χ²/NDF:2190334.0/22
+ sign 0.000+/-0.000 χ²/NDF: 5520830.6/42
All: 0.000+/-0.000 χ²/NDF: 12769744.1/86
- sign 0.000+/-0.000 χ²/NDF: 6850955.9/43



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

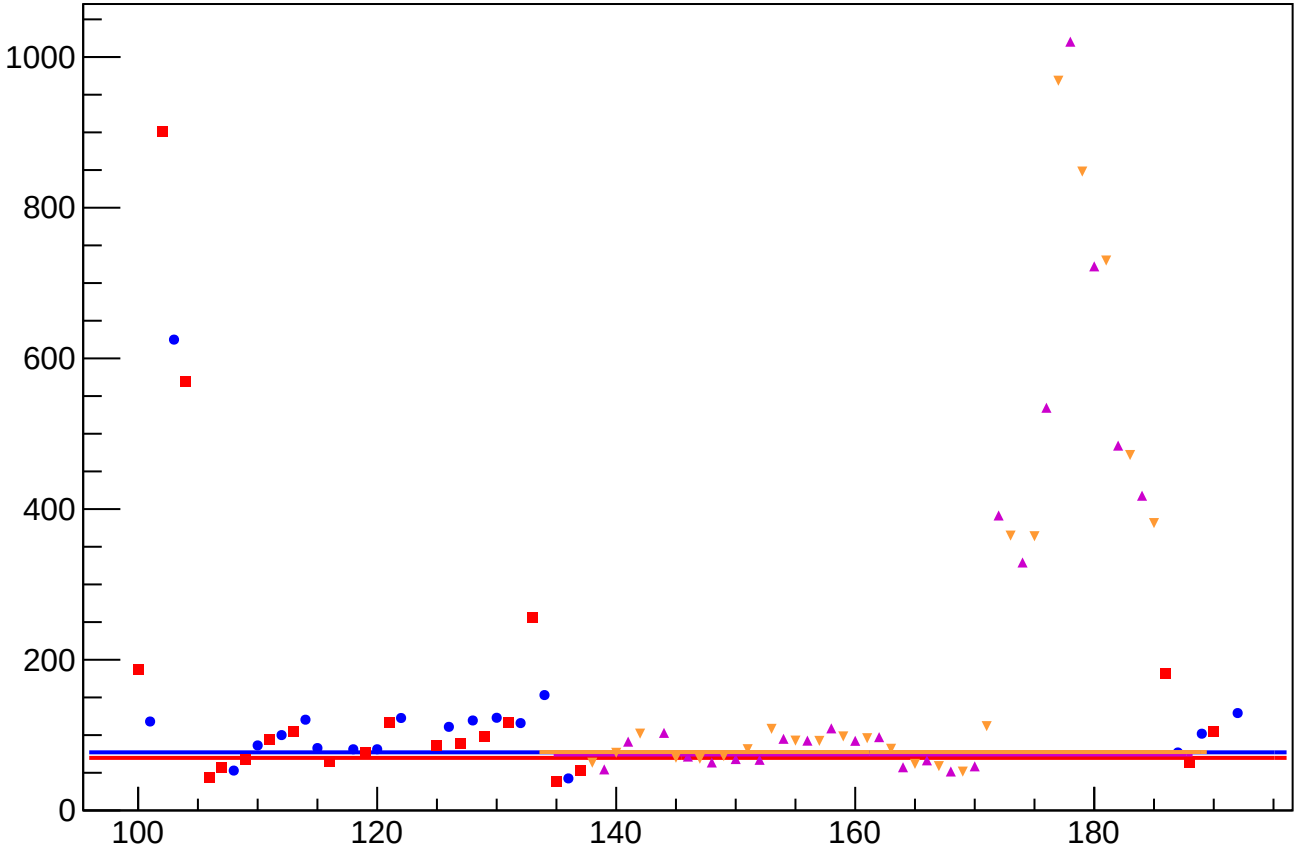
Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.040+/-0.018 χ^2/NDF: 37.0/42

All: -0.013+/-0.012 χ^2/NDF: 74.6/86

- sign 0.011+/-0.017 χ^2/NDF: 33.3/43

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 77.140+/-0.021 χ^2/NDF: 3216938.9/18

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

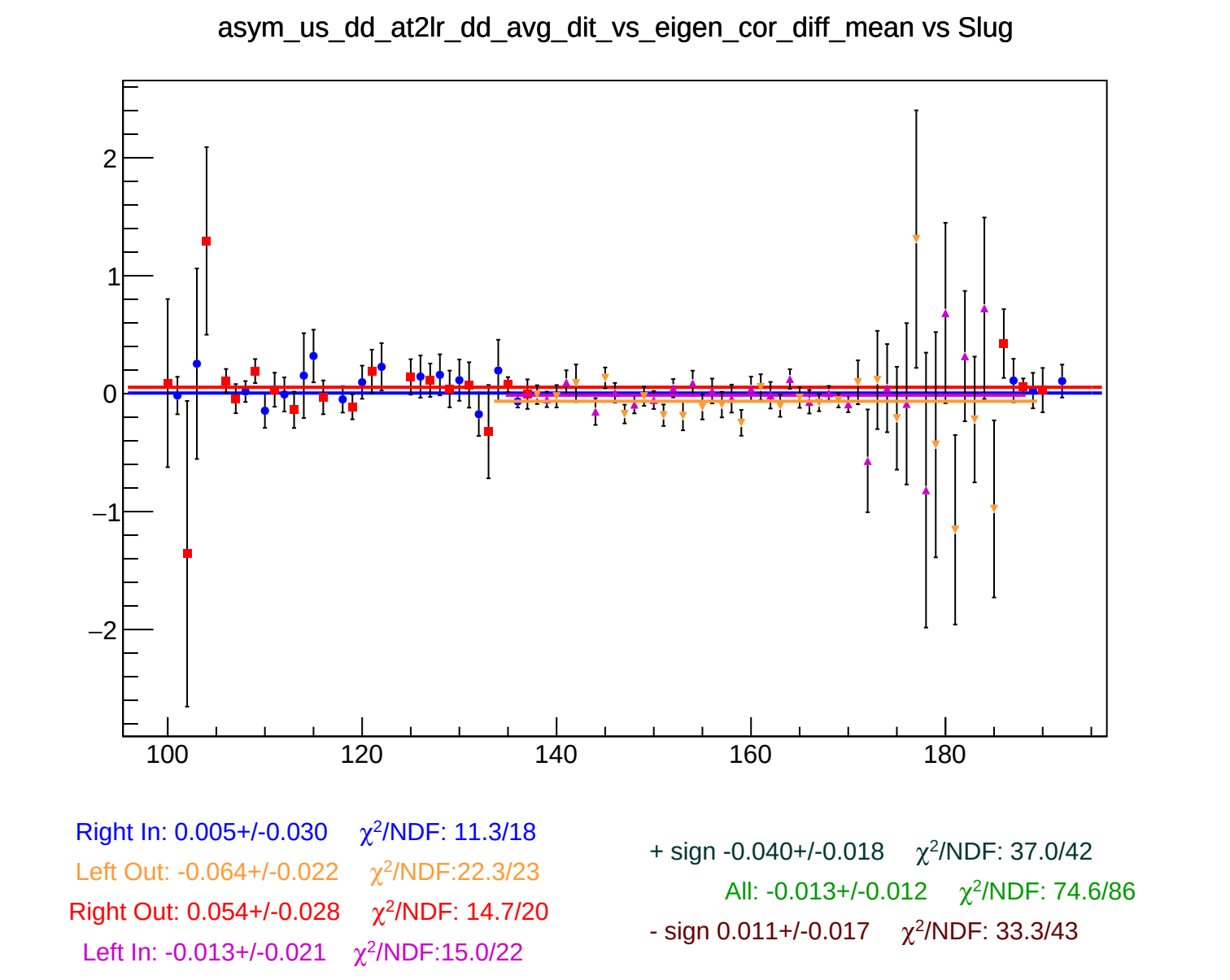
Right Out: 69.782+/-0.020 χ^2/NDF: 3712130.3/20

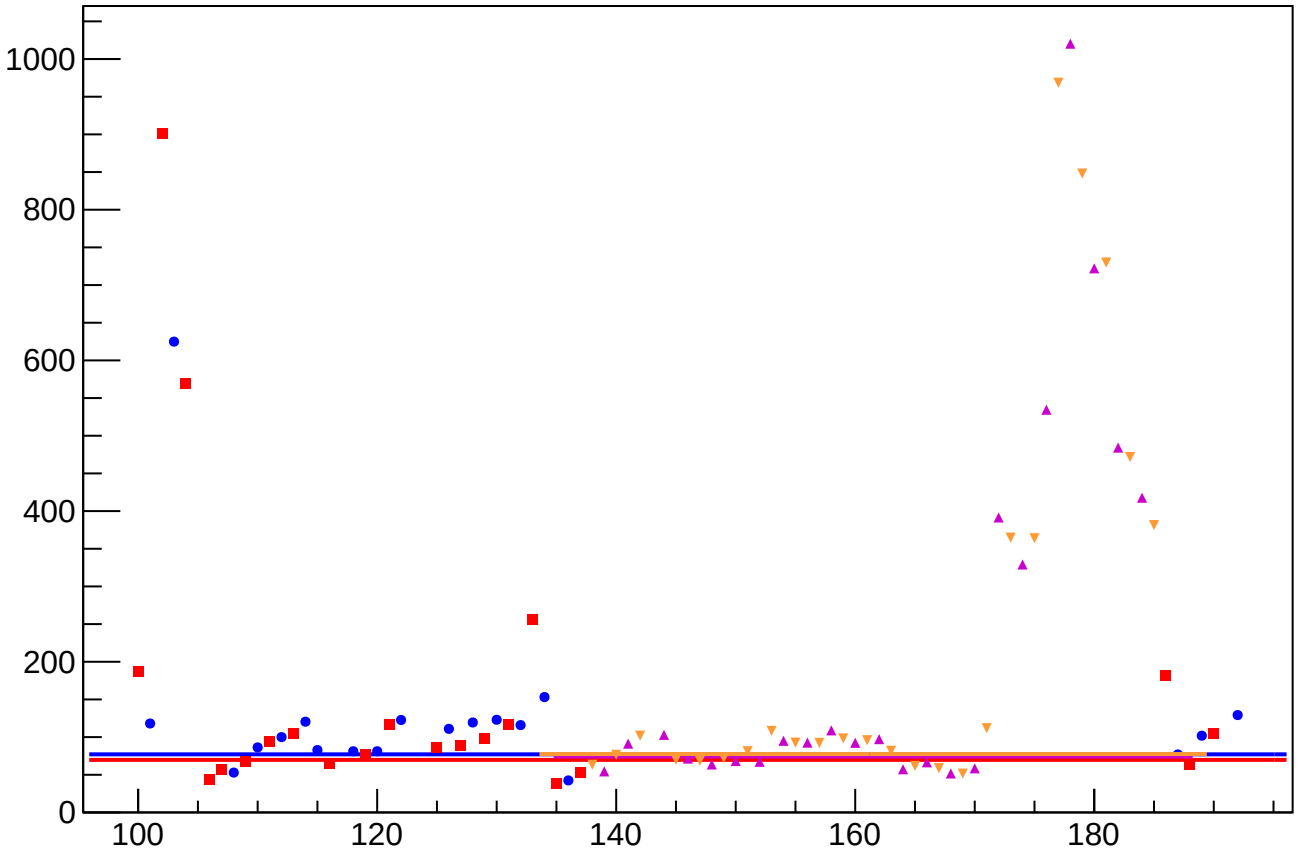
Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 77.397+/-0.013 χ^2/NDF: 11548352.4/42

All: 74.896+/-0.009 χ^2/NDF: 23880426.2/86

- sign 72.641+/-0.012 χ^2/NDF: 12257518.4/43


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.005+/-0.030 χ²/NDF: 11.3/18
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.054+/-0.028 χ²/NDF: 14.7/20
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.040+/-0.018 χ²/NDF: 37.0/42
All: -0.013+/-0.012 χ²/NDF: 74.6/86
- sign 0.011+/-0.017 χ²/NDF: 33.3/43



Right In: 77.140+/-0.021 χ^2/NDF: 3216938.9/18

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

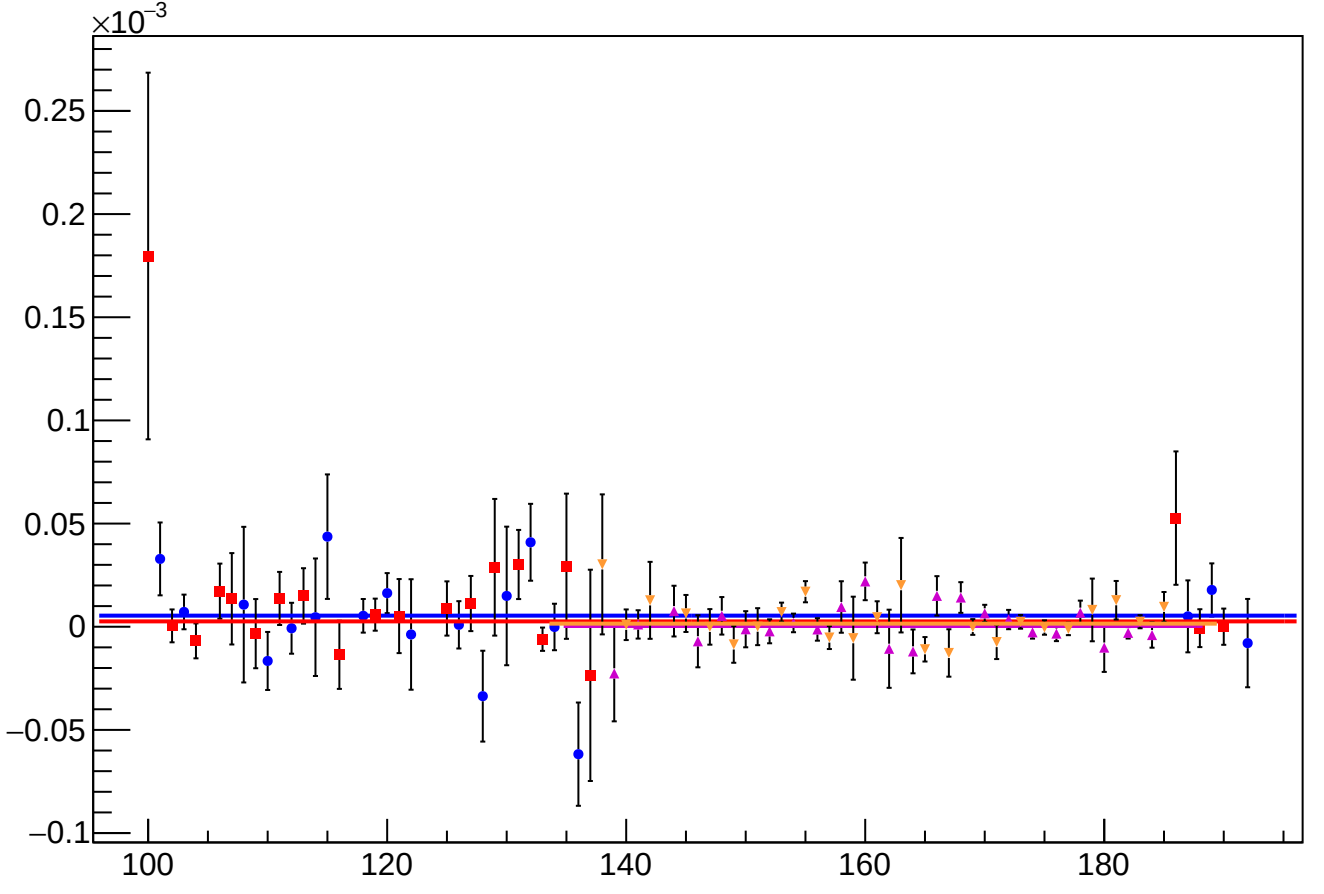
Right Out: 69.782+/-0.020 χ^2/NDF: 3712130.3/20

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

\+ sign 77.397+/-0.013 χ^2/NDF: 11548352.4/42

All: 74.896+/-0.009 χ^2/NDF: 23880426.2/86

\- sign 72.641+/-0.012 χ^2/NDF: 12257518.4/43



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

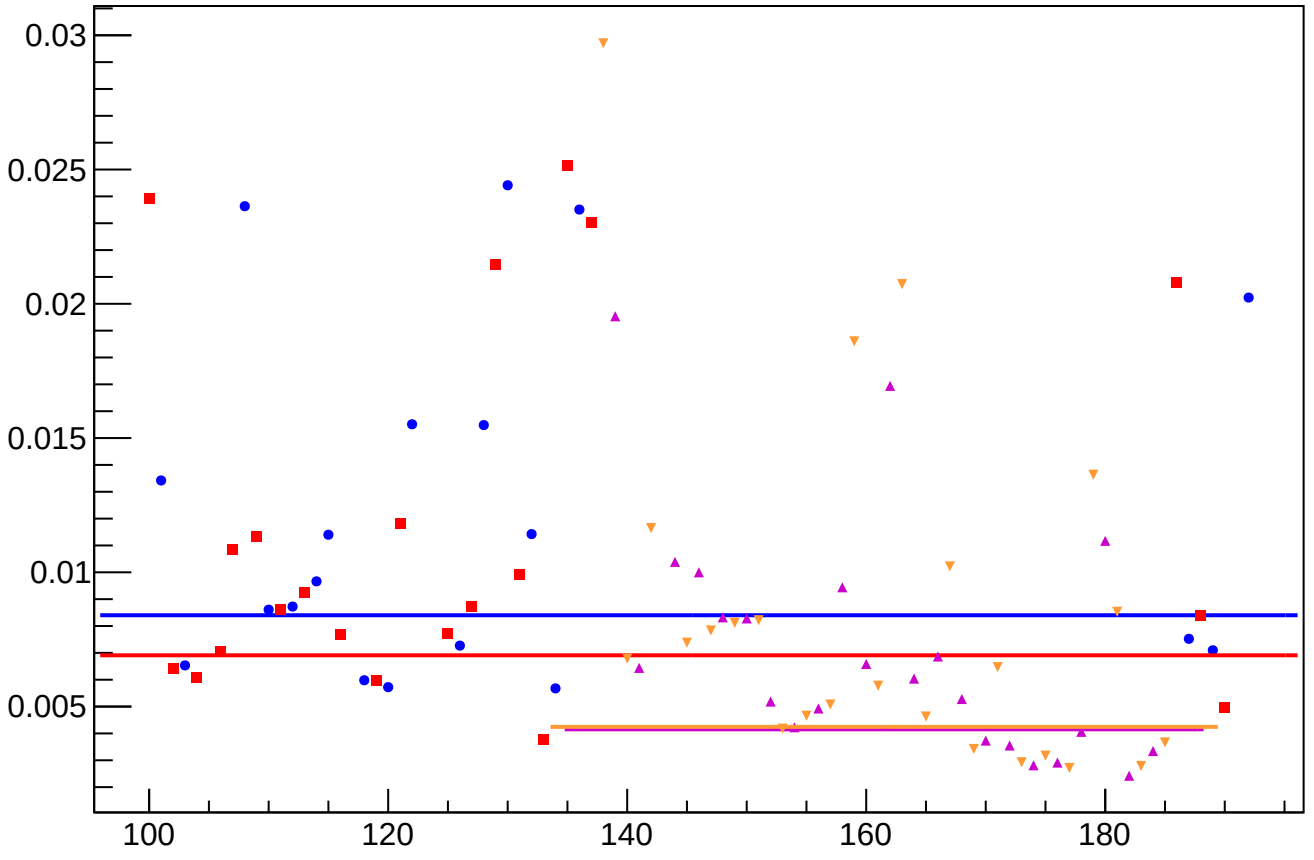
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/20

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.3/42

All: 0.000+/-0.000 χ^2/NDF: 97.5/86

- sign 0.000+/-0.000 χ^2/NDF: 44.6/43



Right In: 0.008+/-0.000 χ^2/NDF: 3298054.2/18

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

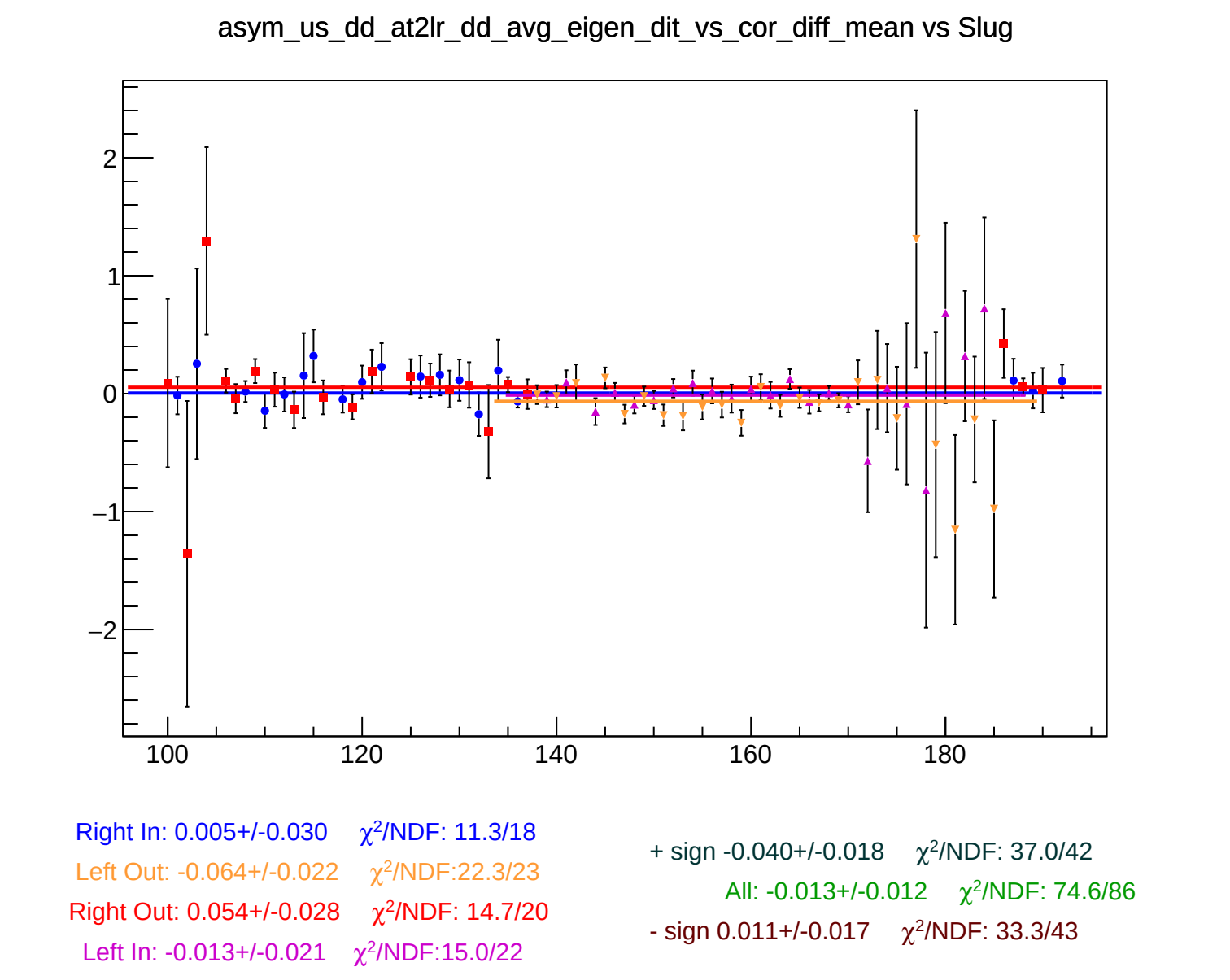
Right Out: 0.007+/-0.000 χ^2/NDF: 2944493.1/20

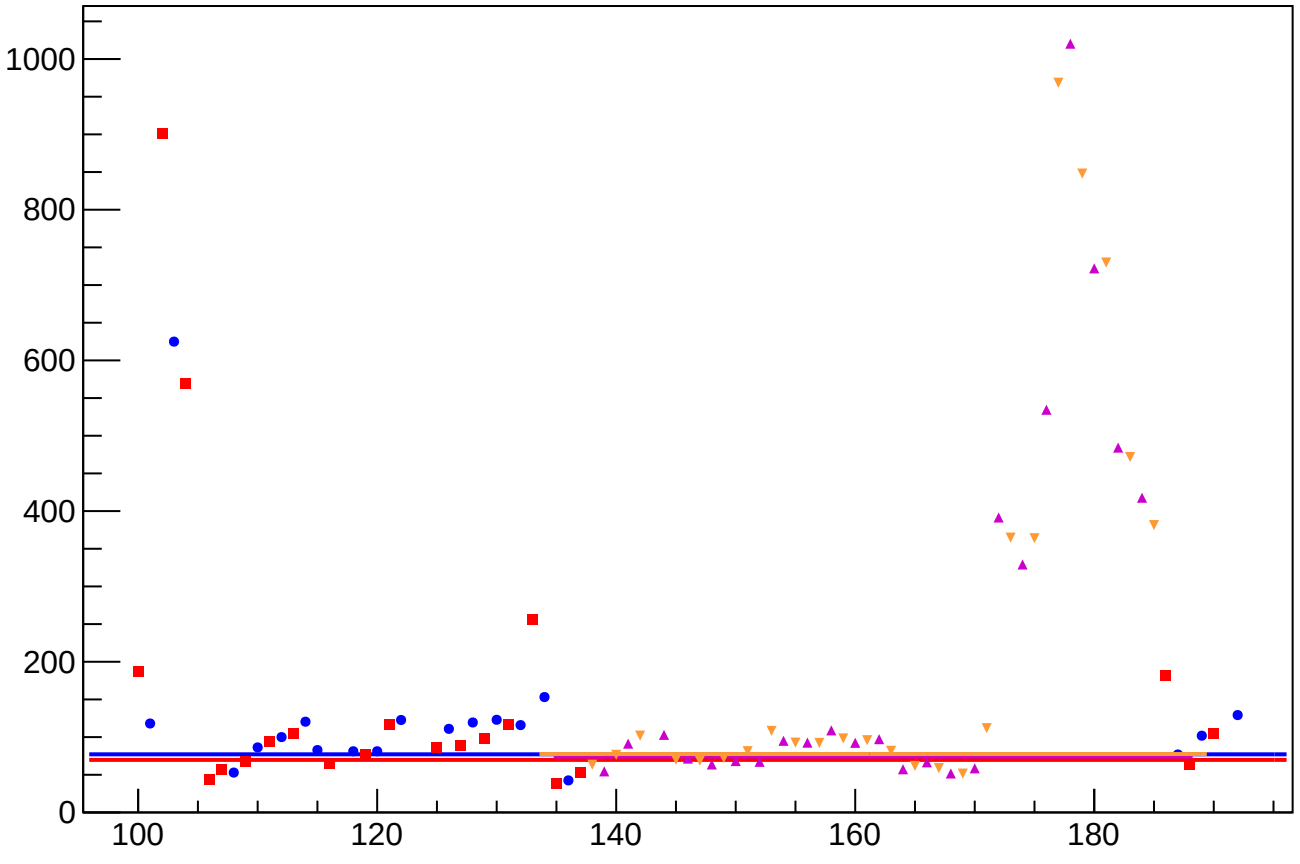
Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 14820951.5/42

All: 0.005+/-0.000 χ^2/NDF: 26541449.1/86

- sign 0.005+/-0.000 χ^2/NDF: 11715903.4/43


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.005+/-0.030 χ²/NDF: 11.3/18
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.054+/-0.028 χ²/NDF: 14.7/20
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.040+/-0.018 χ²/NDF: 37.0/42
All: -0.013+/-0.012 χ²/NDF: 74.6/86
- sign 0.011+/-0.017 χ²/NDF: 33.3/43



Right In: 77.164+/-0.021 χ^2/NDF: 3214187.0/18

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

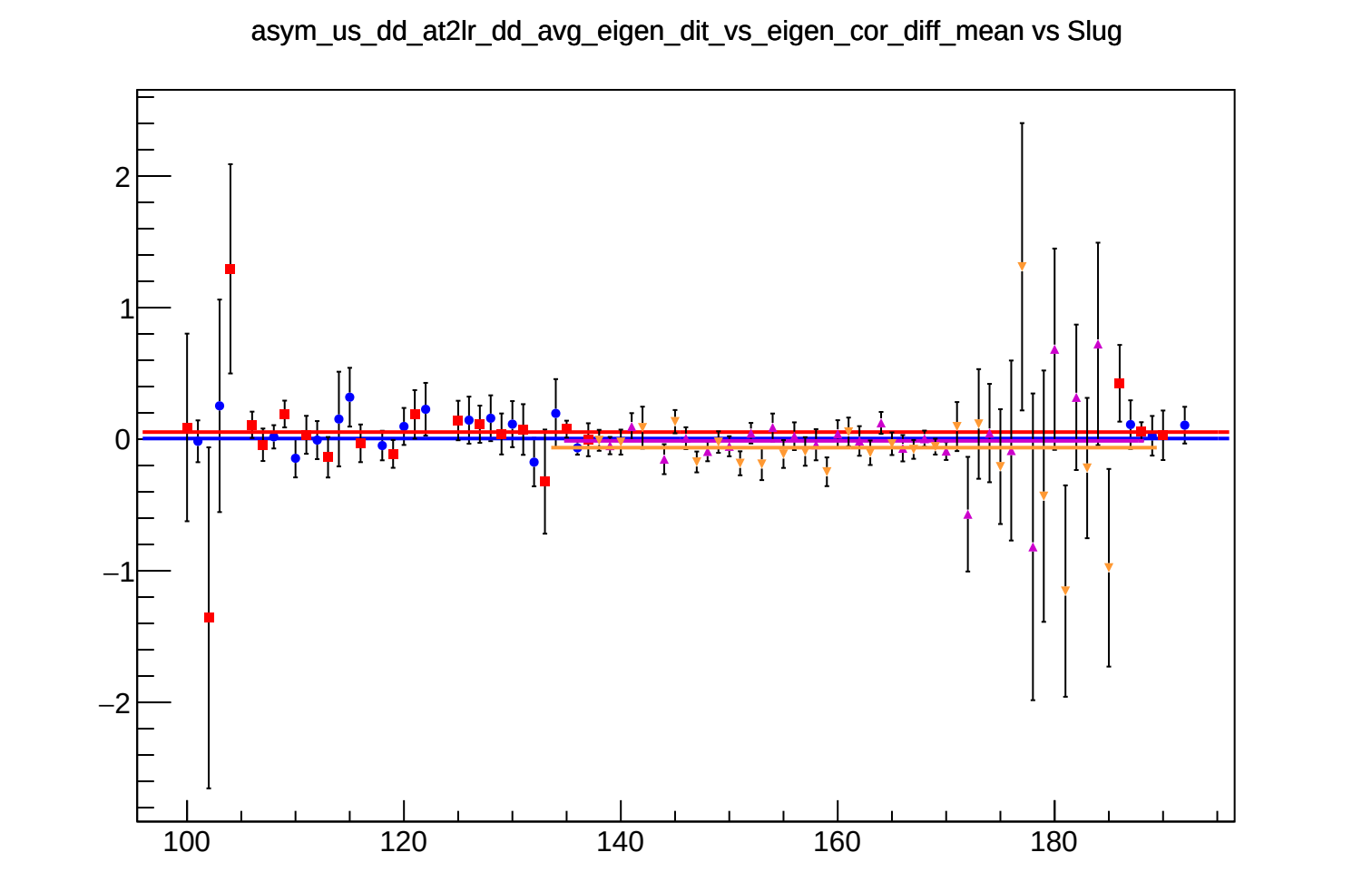
Right Out: 69.773+/-0.020 χ^2/NDF: 3713162.7/20

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

\+ sign 77.405+/-0.013 χ^2/NDF: 11545487.3/42

All: 74.898+/-0.009 χ^2/NDF: 23878769.6/86

\- sign 72.638+/-0.012 χ^2/NDF: 12258403.7/43



Right In: 0.005+/-0.030 χ^2/NDF: 11.3/18

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

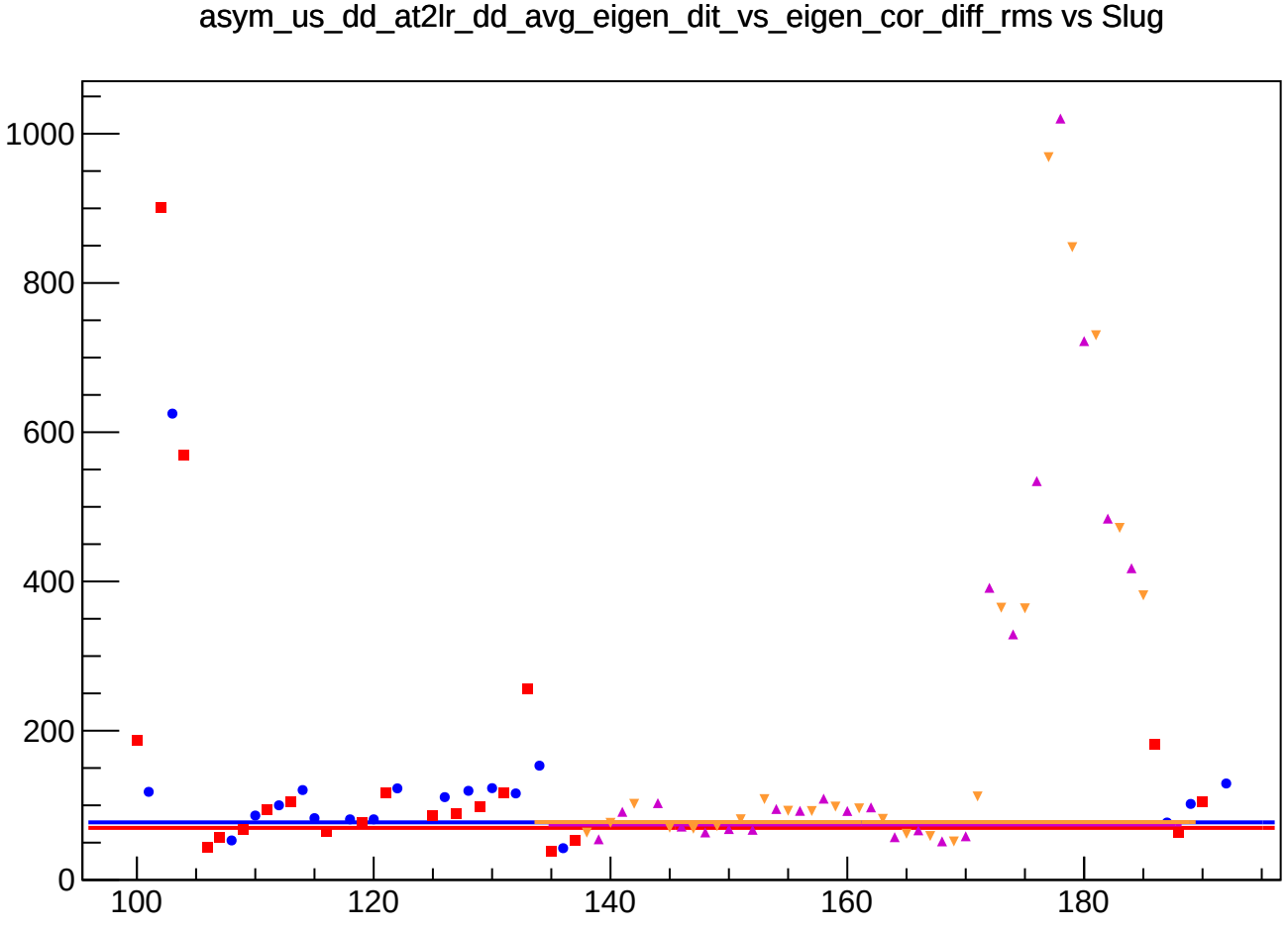
Right Out: 0.054+/-0.028 χ^2/NDF: 14.7/20

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.040+/-0.018 χ^2/NDF: 37.0/42

All: -0.013+/-0.012 χ^2/NDF: 74.6/86

- sign 0.011+/-0.017 χ^2/NDF: 33.3/43



Right In: 77.164+/-0.021 χ^2/NDF: 3214187.0/18

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

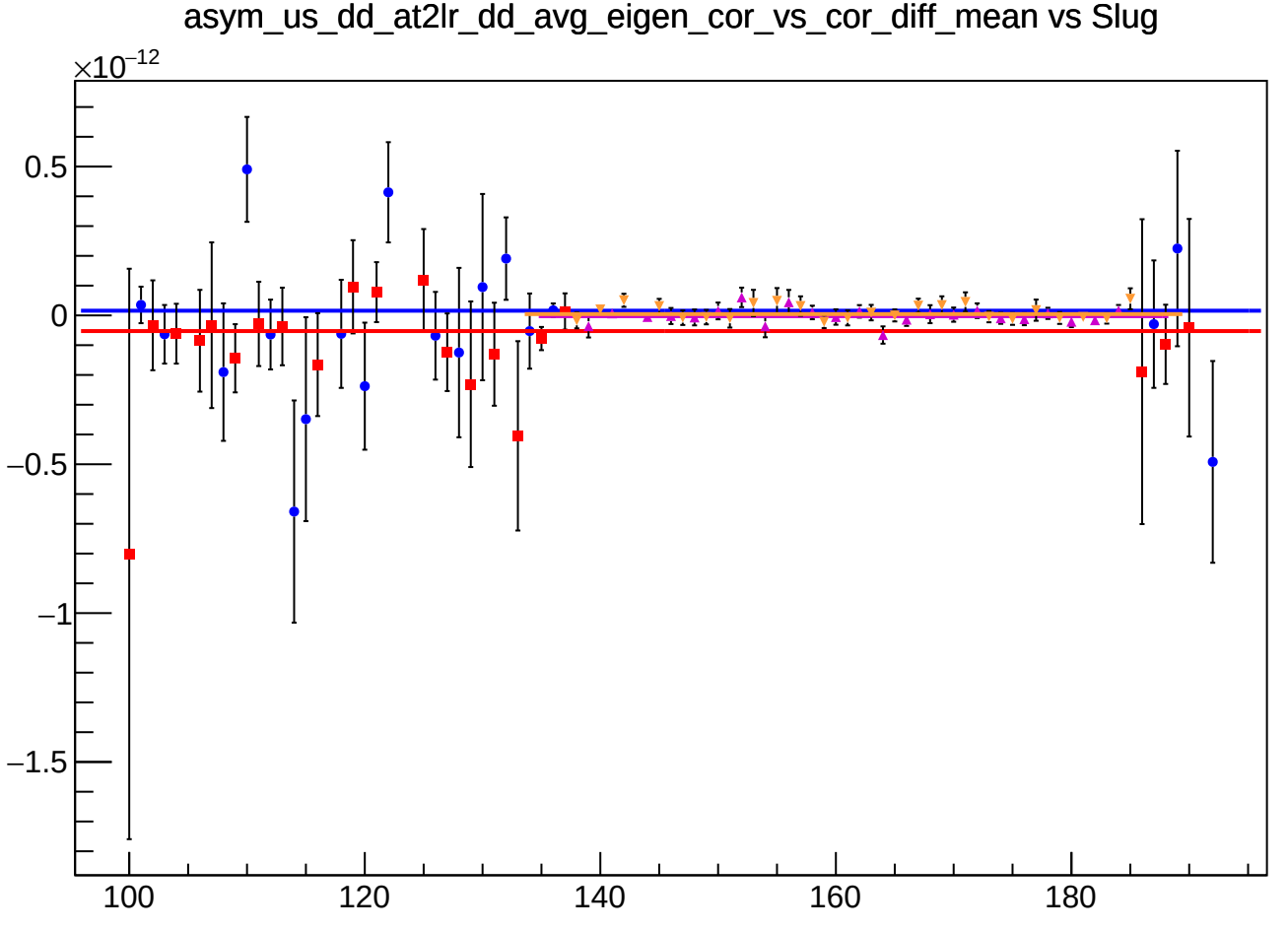
Right Out: 69.773+/-0.020 χ^2/NDF: 3713162.7/20

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

\+ sign 77.405+/-0.013 χ^2/NDF: 11545487.3/42

All: 74.898+/-0.009 χ^2/NDF: 23878769.6/86

\- sign 72.638+/-0.012 χ^2/NDF: 12258403.7/43



Right In: 0.000+/-0.000 χ^2/NDF: 26.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

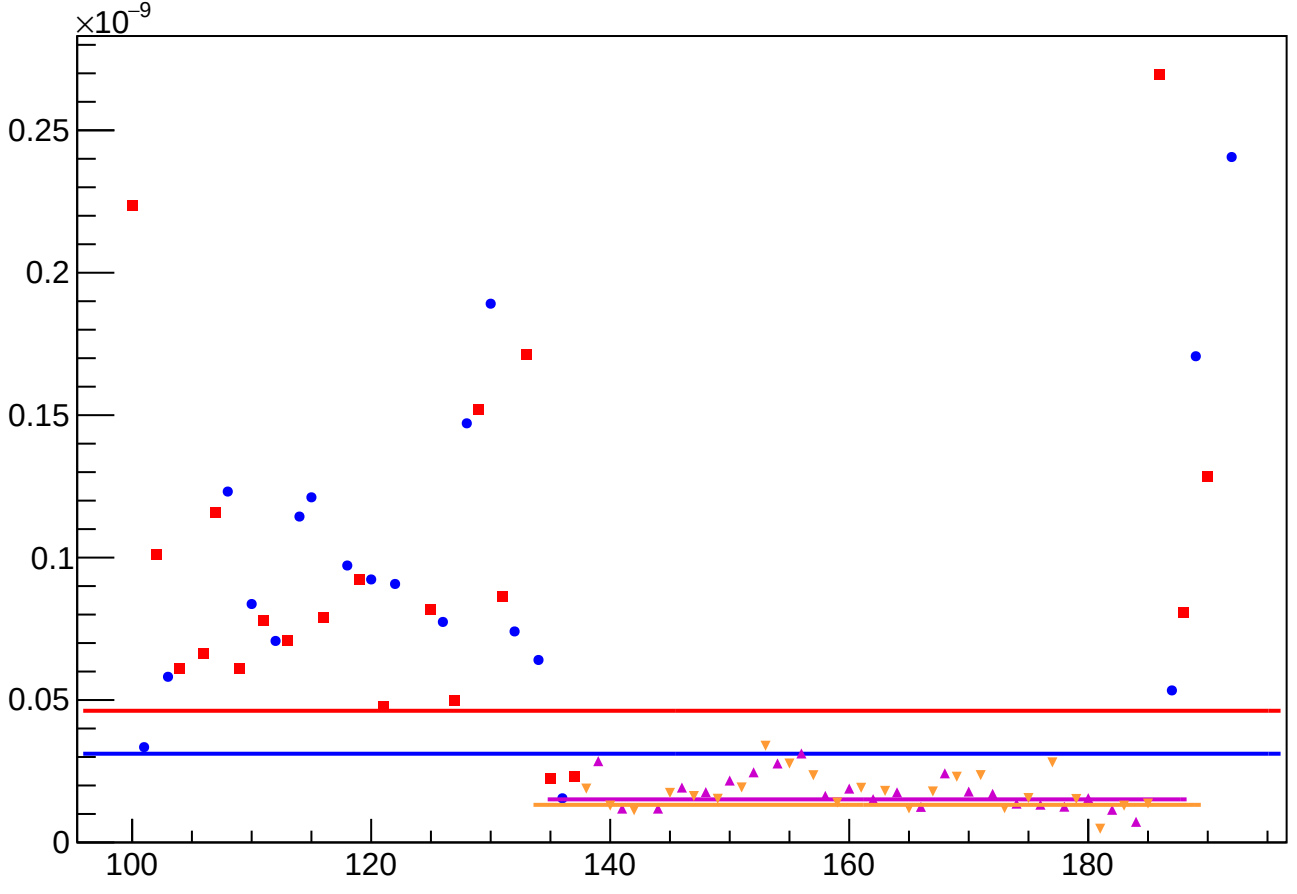
Right Out: -0.000+/-0.000 χ^2/NDF: 9.3/20

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.1/42

All: 0.000+/-0.000 χ^2/NDF: 81.2/86

- sign -0.000+/-0.000 χ^2/NDF: 30.9/43



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

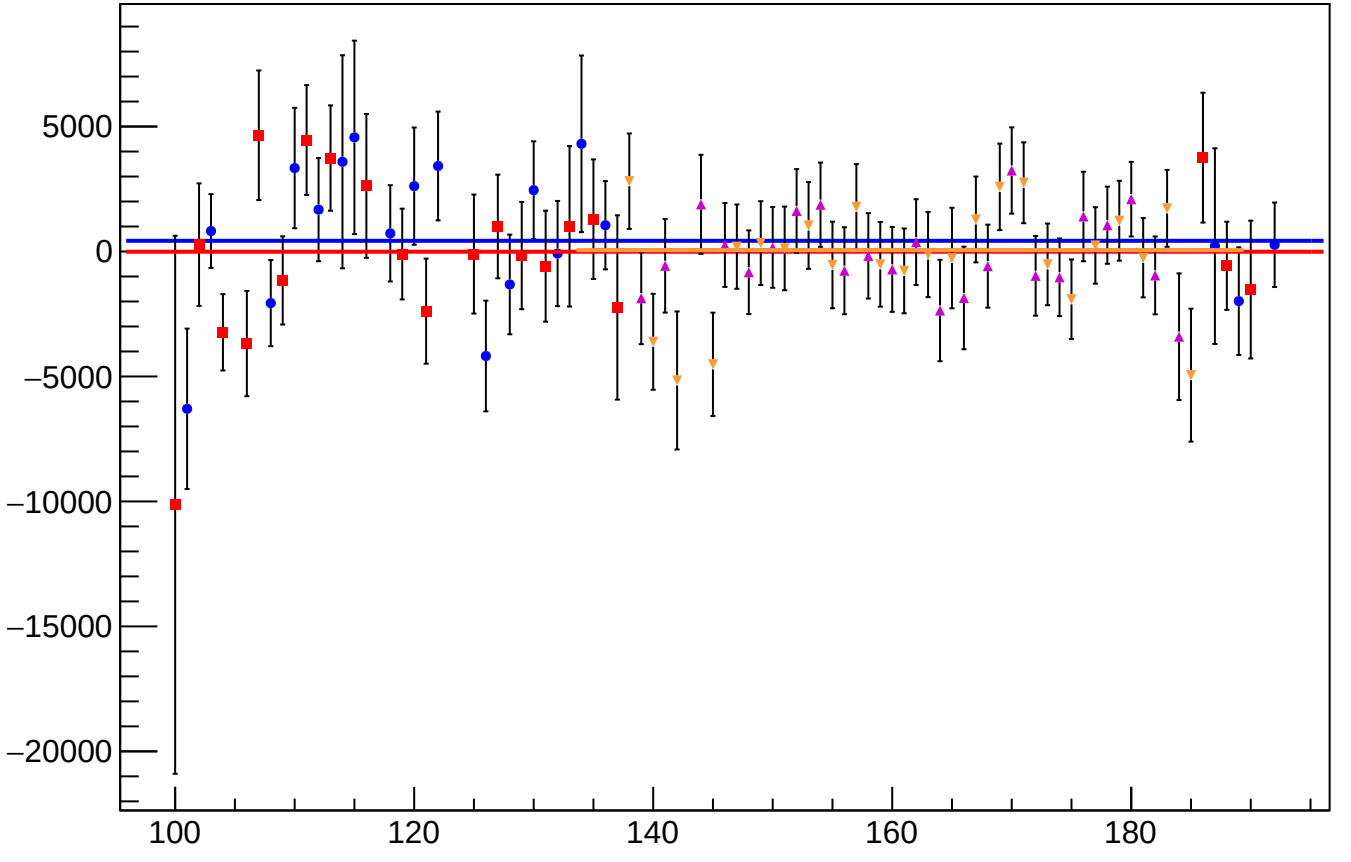
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11135717.2/42

All: 0.000+/-0.000 χ^2/NDF: 20092520.2/86

- sign 0.000+/-0.000 χ^2/NDF: 8718302.5/43

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



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

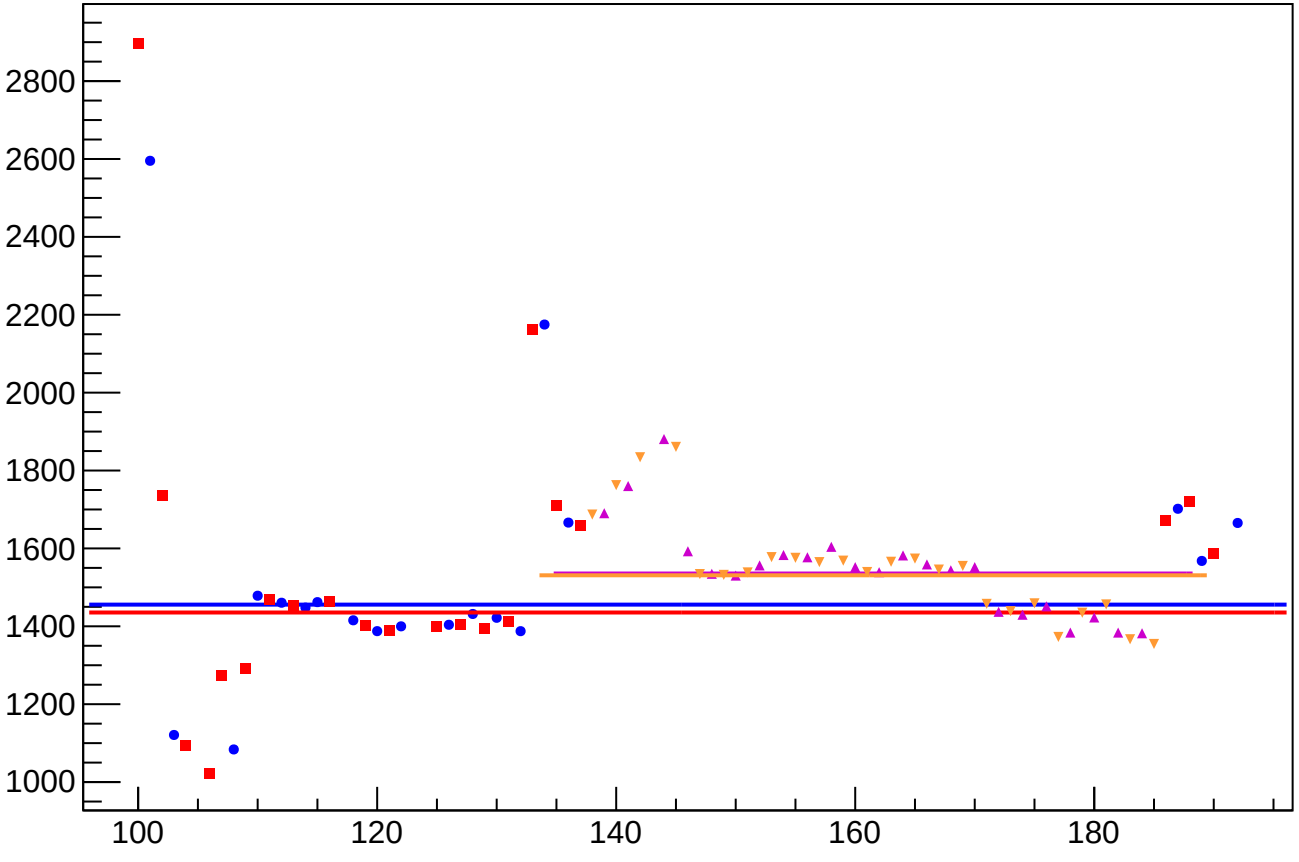
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 181.741+/-289.477 χ^2/NDF: 50.5/42

All: 105.054+/-204.857 χ^2/NDF: 92.5/86

- sign 28.118+/-289.948 χ^2/NDF: 41.8/43

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1455.676+/-0.351 χ^2/NDF: 611937.3/18

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

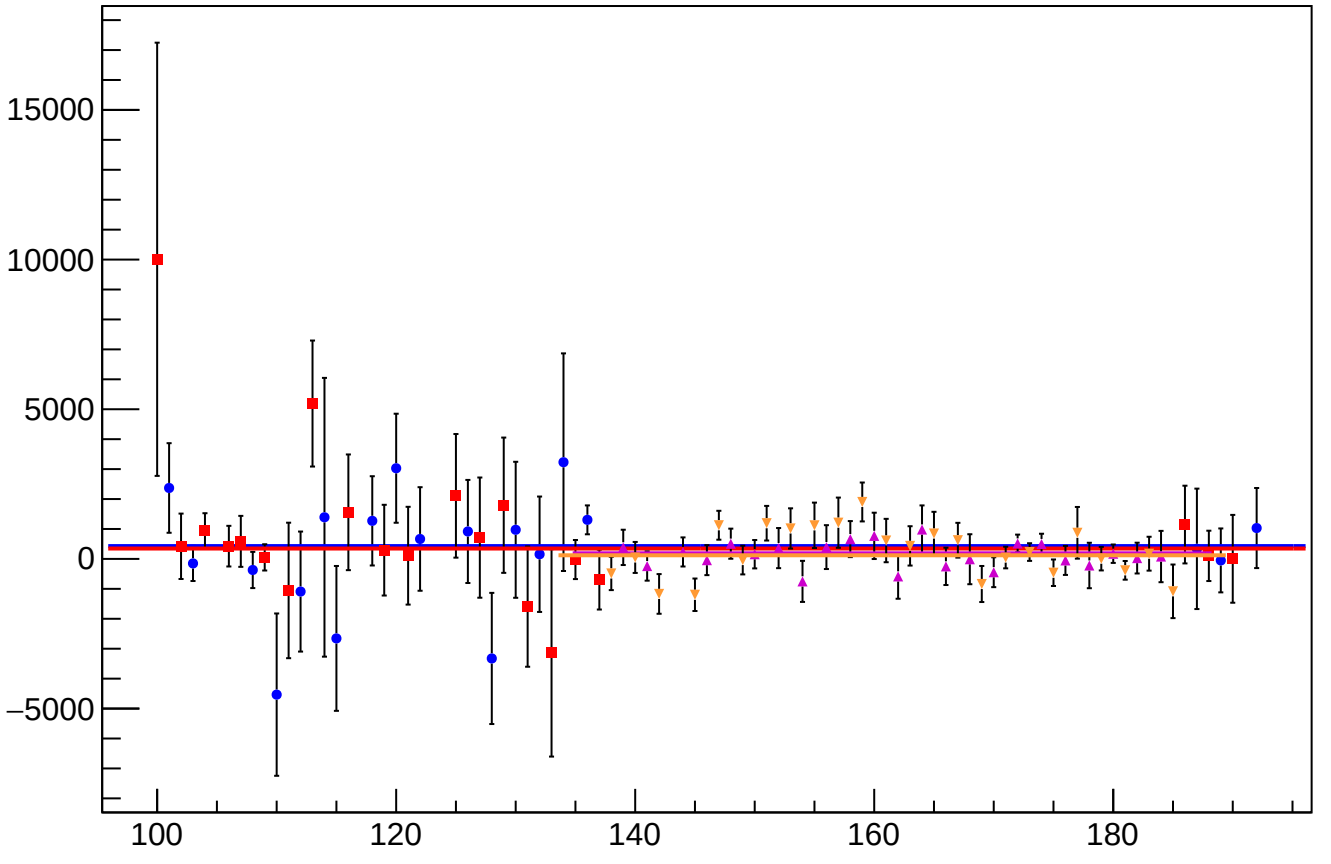
Right Out: 1435.433+/-0.347 χ^2/NDF: 480846.8/20

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1505.359+/-0.205 χ^2/NDF: 845853.8/42

All: 1502.957+/-0.145 χ^2/NDF: 1573631.9/86

- sign 1500.547+/-0.205 χ^2/NDF: 727502.3/43



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

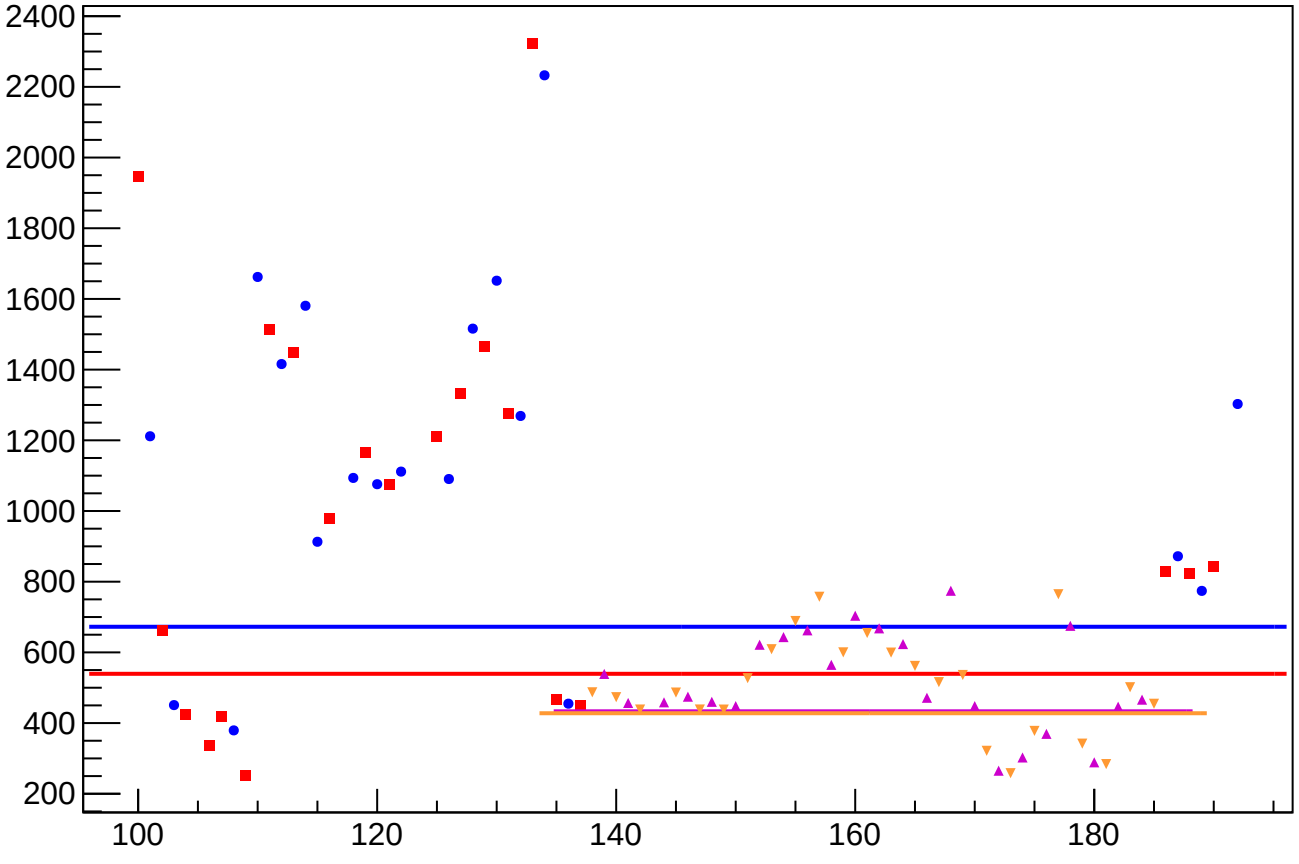
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 164.502+/-97.396 χ^2/NDF: 64.6/42

All: 191.374+/-68.426 χ^2/NDF: 91.2/86

- sign 217.565+/-96.154 χ^2/NDF: 26.5/43

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



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

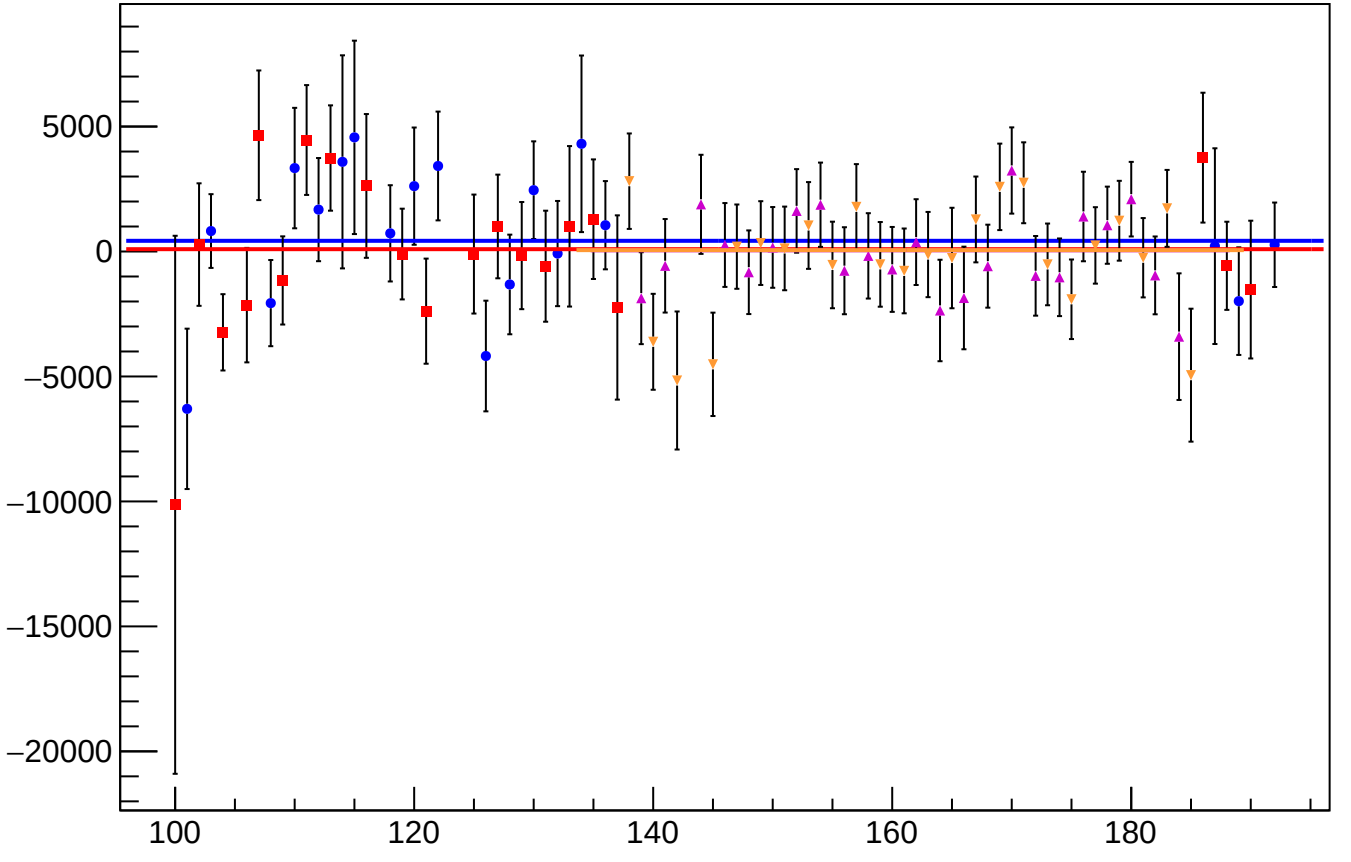
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 462.206+/-0.069 χ^2/NDF: 8983709.0/42

All: 457.880+/-0.048 χ^2/NDF: 17398201.3/86

- sign 453.663+/-0.068 χ^2/NDF: 8406701.0/43

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



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

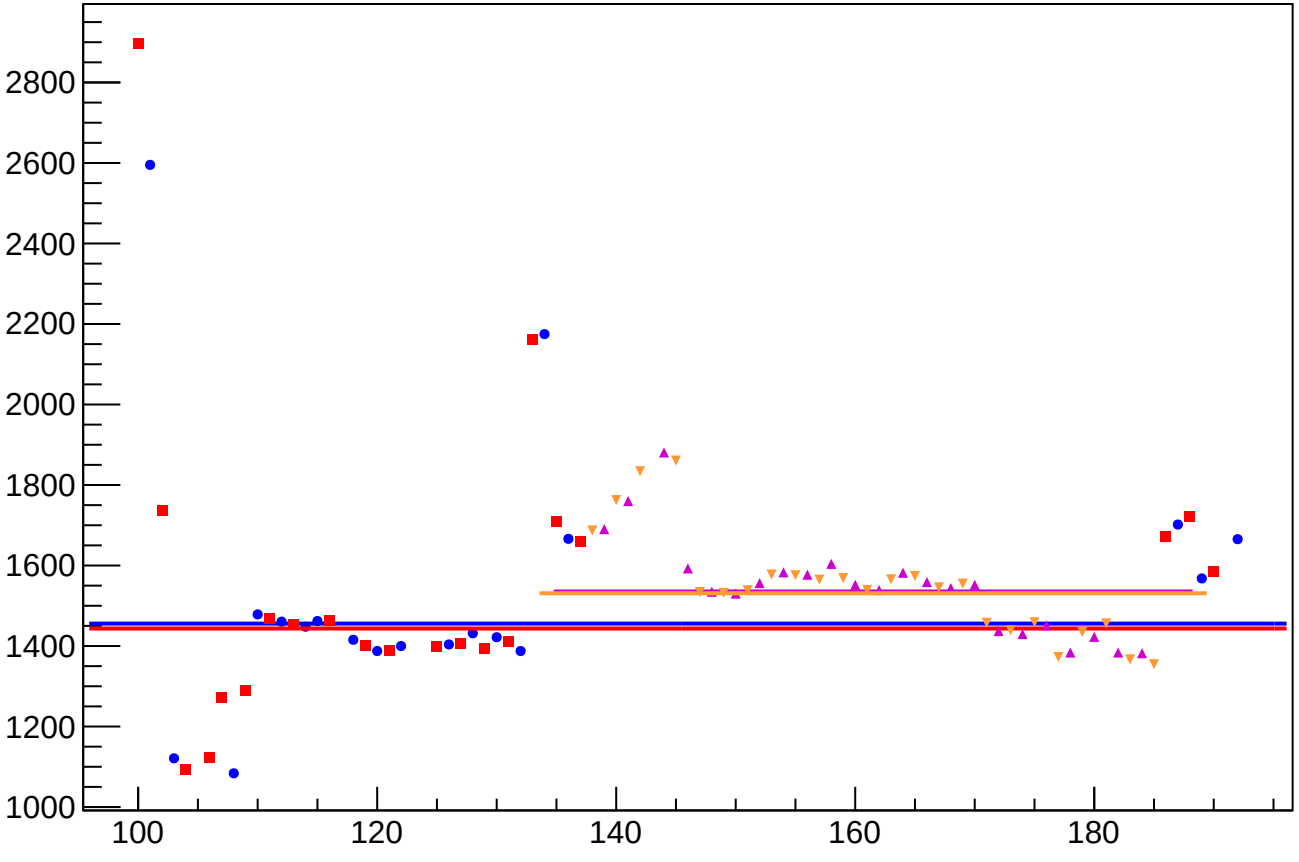
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 181.690+/-289.477 χ^2/NDF: 50.5/42

All: 122.976+/-205.008 χ^2/NDF: 90.2/86

- sign 63.897+/-290.374 χ^2/NDF: 39.6/43

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1455.675+/-0.351 χ^2/NDF: 611937.6/18

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

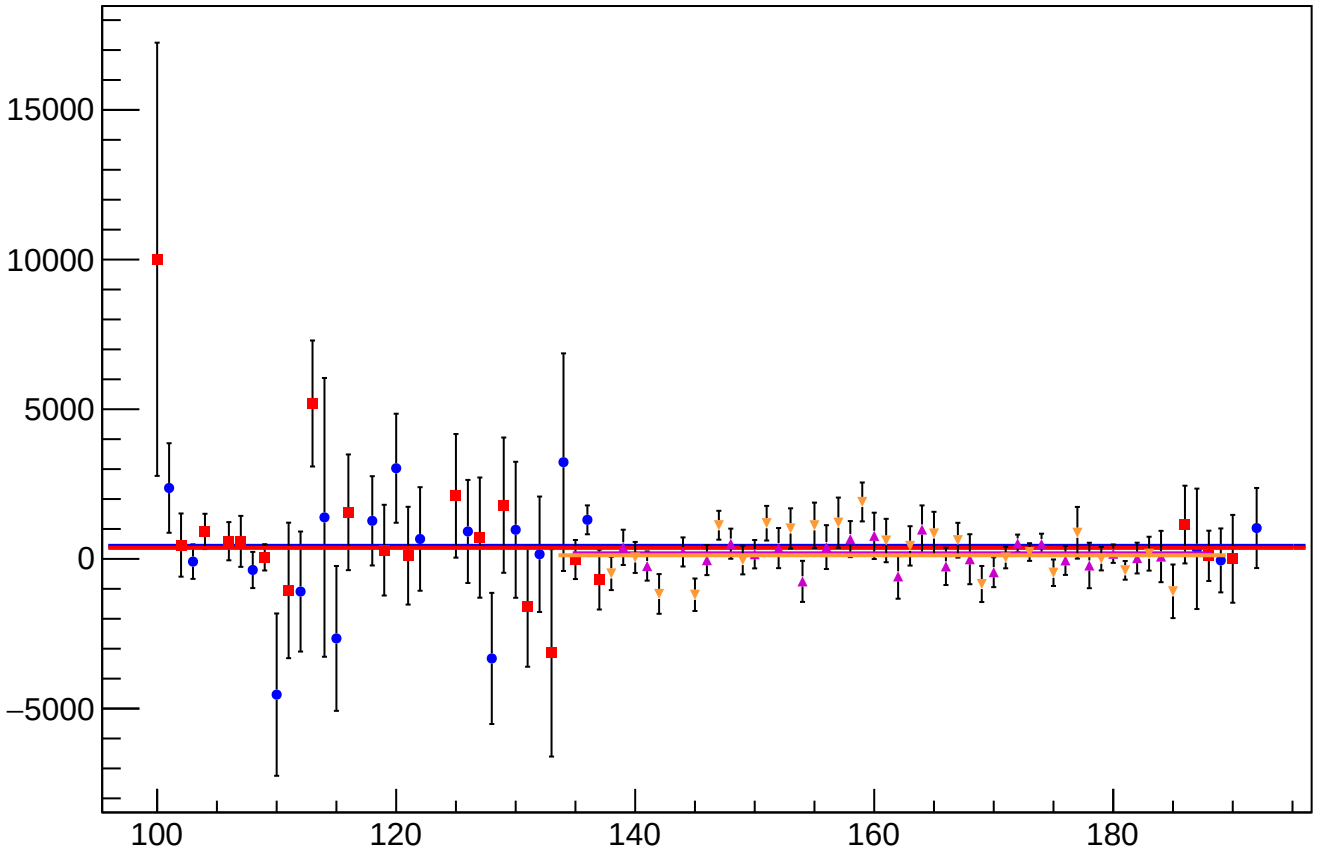
Right Out: 1443.511+/-0.348 χ^2/NDF: 440953.5/20

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1505.359+/-0.205 χ^2/NDF: 845854.1/42

All: 1504.456+/-0.145 χ^2/NDF: 1524853.9/86

- sign 1503.548+/-0.205 χ^2/NDF: 678960.8/43



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

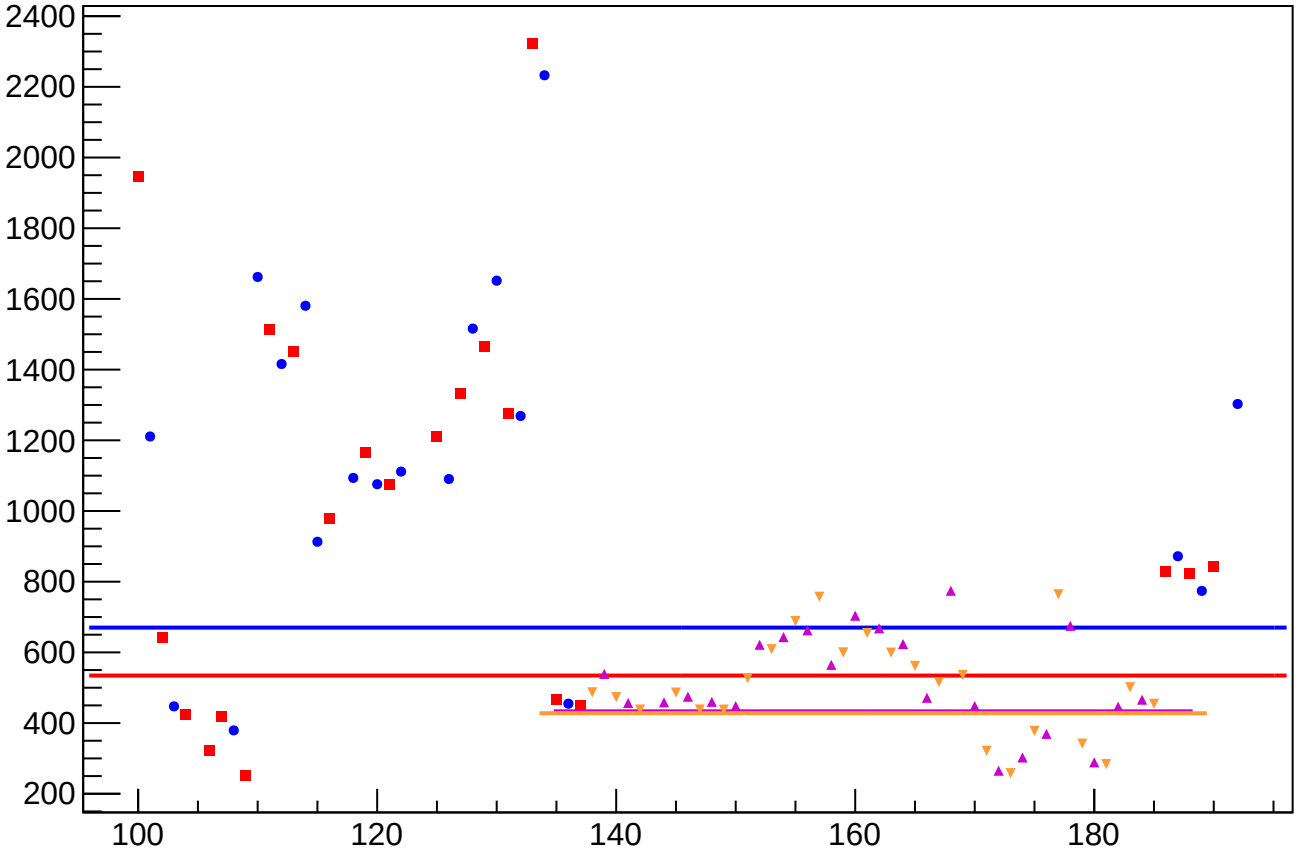
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

\+ sign 165.872+/-97.344 χ^2/NDF: 64.5/42

All: 194.492+/-68.347 χ^2/NDF: 91.4/86

\- sign 222.318+/-95.985 χ^2/NDF: 26.7/43

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



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

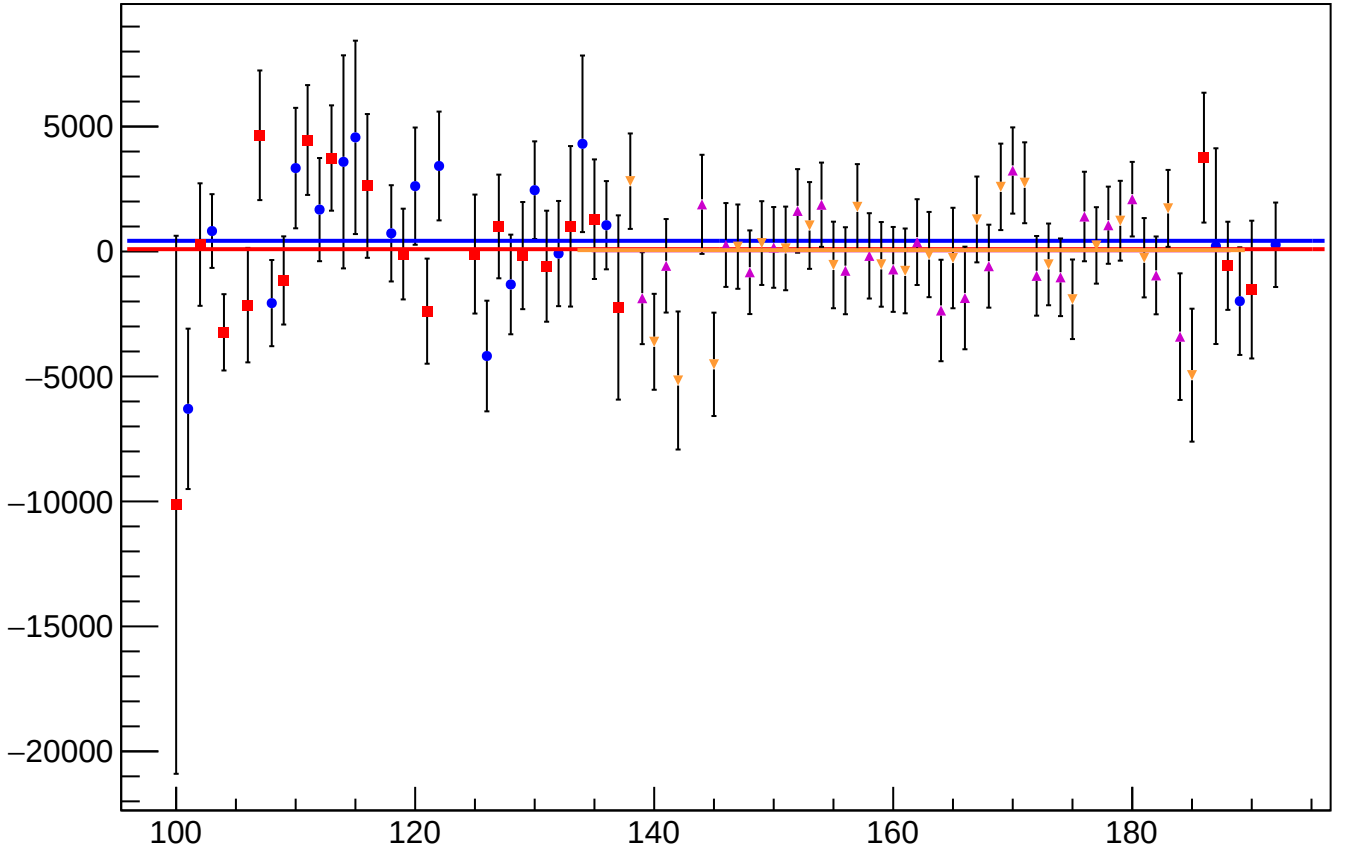
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 462.092+/-0.069 χ^2/NDF: 8984174.0/42

All: 457.479+/-0.048 χ^2/NDF: 17413545.8/86

- sign 452.993+/-0.068 χ^2/NDF: 8420511.6/43

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



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

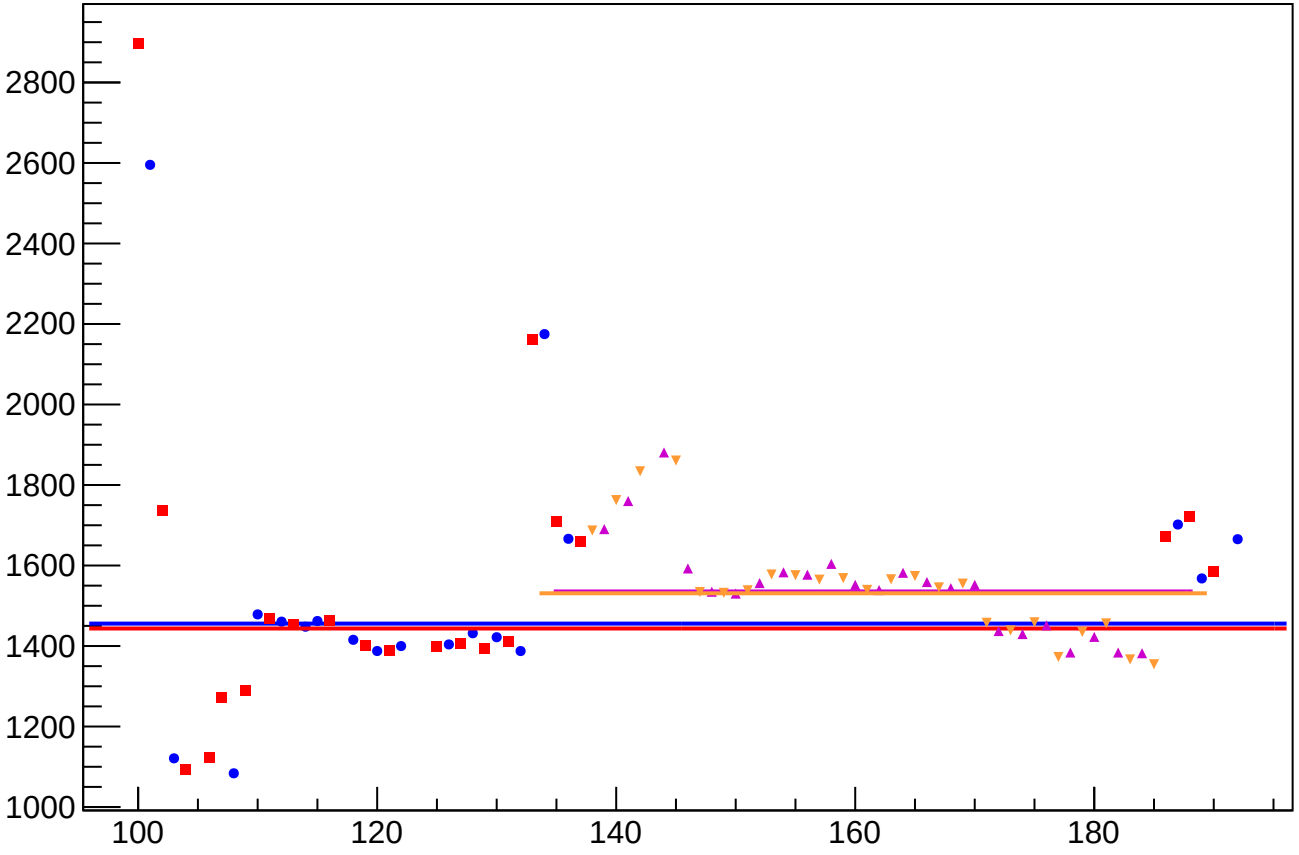
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 181.690+/-289.477 χ^2/NDF: 50.5/42

All: 122.976+/-205.008 χ^2/NDF: 90.2/86

- sign 63.897+/-290.374 χ^2/NDF: 39.6/43

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1455.675+/-0.351 χ^2/NDF: 611937.6/18

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

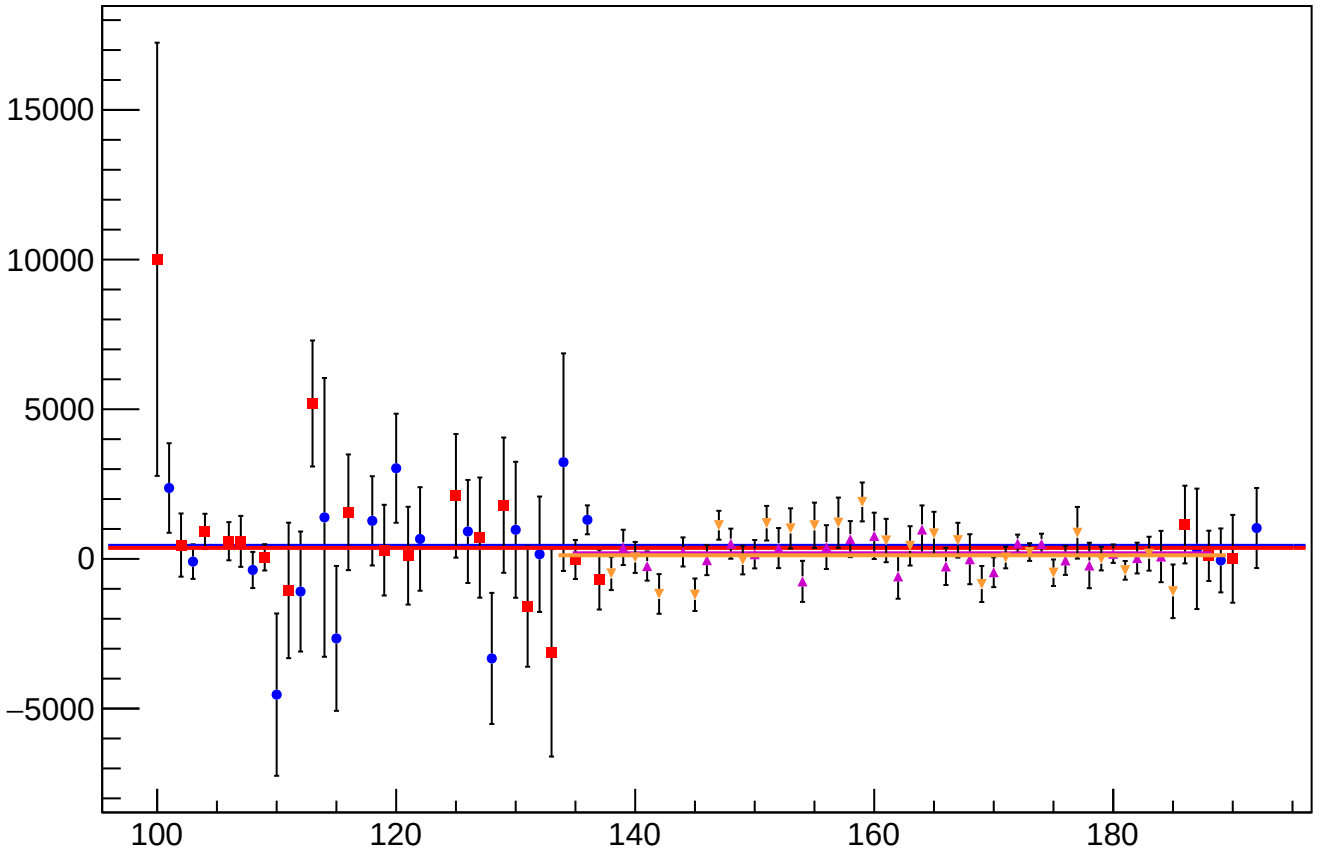
Right Out: 1443.511+/-0.348 χ^2/NDF: 440953.5/20

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1505.359+/-0.205 χ^2/NDF: 845854.1/42

All: 1504.456+/-0.145 χ^2/NDF: 1524853.9/86

- sign 1503.548+/-0.205 χ^2/NDF: 678960.8/43



Right In: 436.169+/-258.792 χ^2/NDF: 19.6/18

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

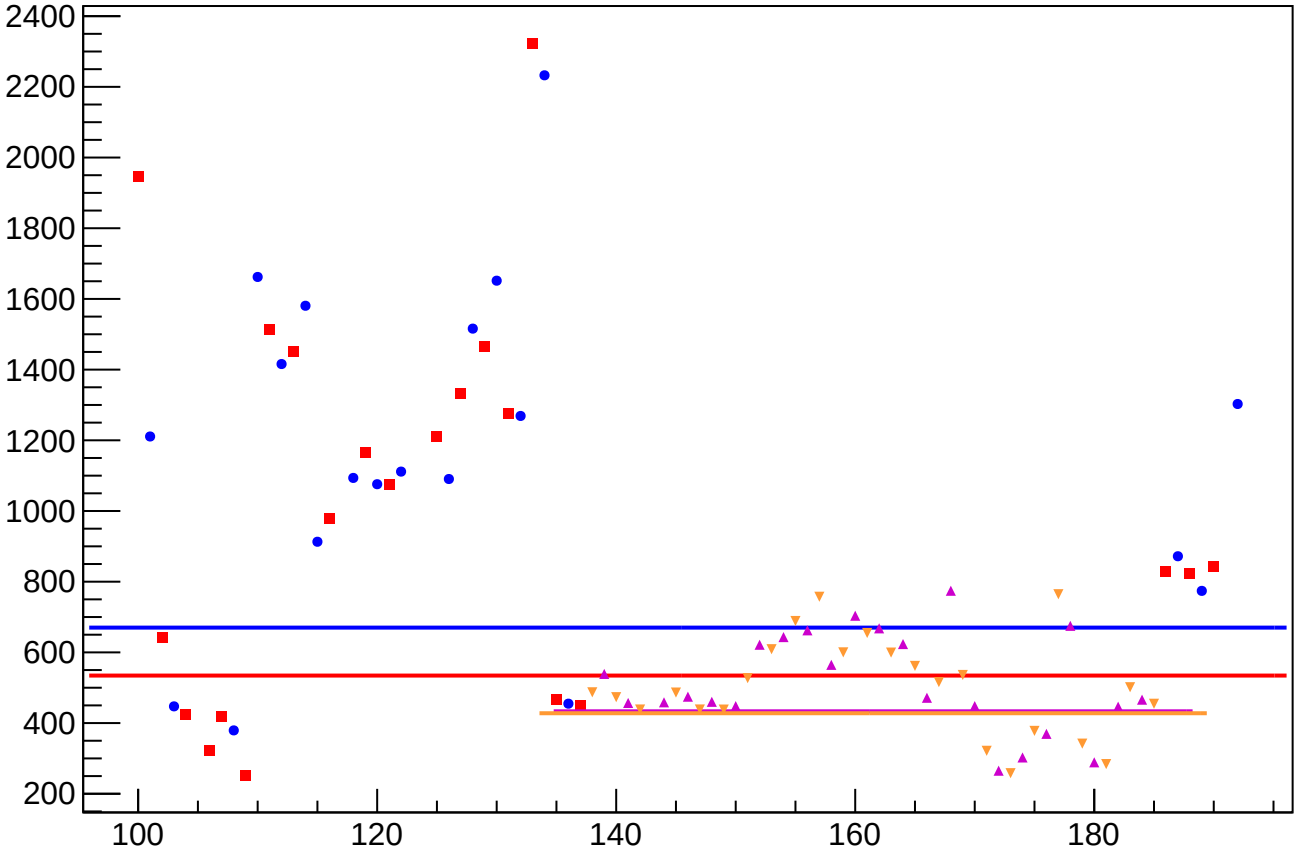
Right Out: 368.045+/-217.412 χ^2/NDF: 14.5/20

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

\+ sign 165.872+/-97.344 χ^2/NDF: 64.5/42

All: 194.492+/-68.347 χ^2/NDF: 91.4/86

\- sign 222.318+/-95.985 χ^2/NDF: 26.7/43


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
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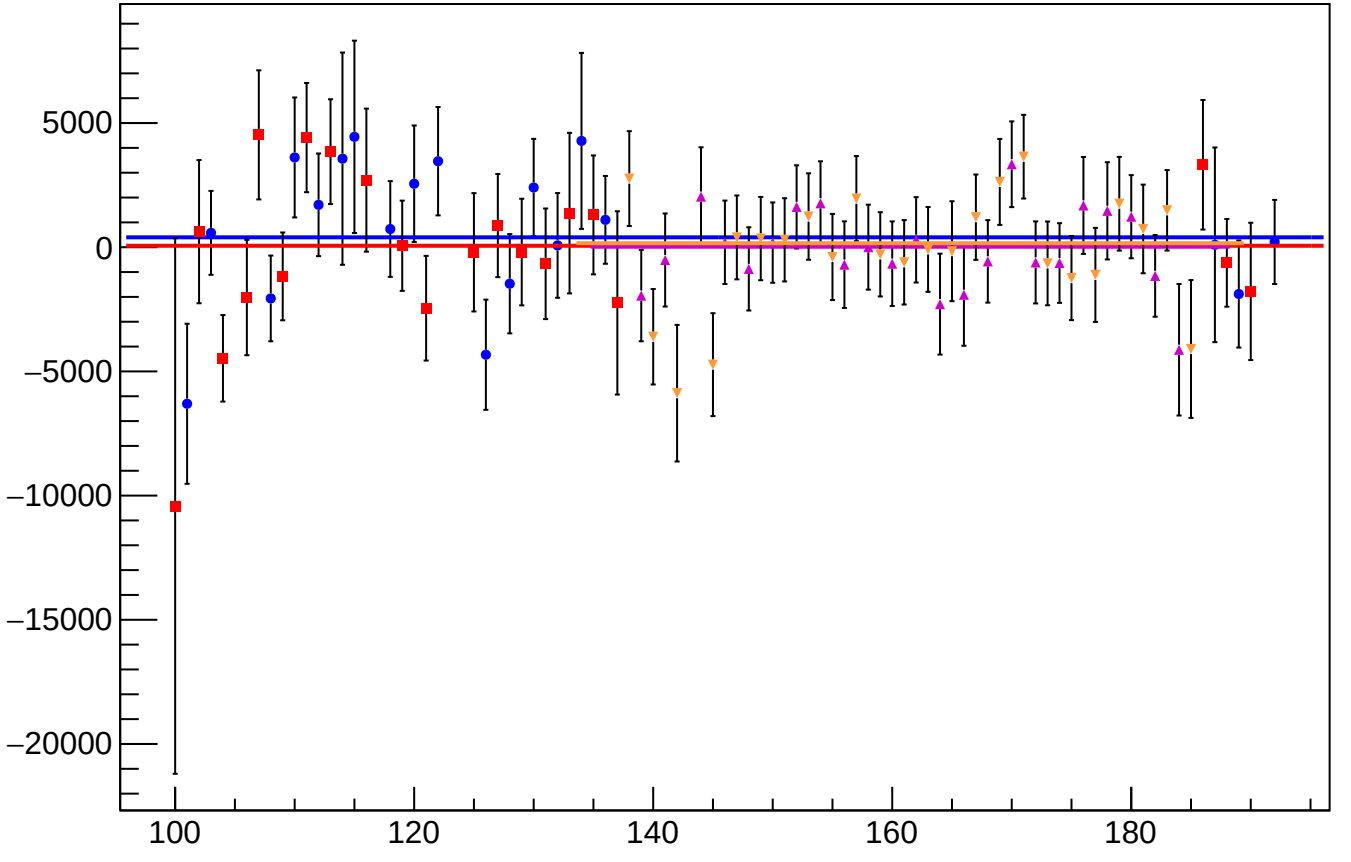
200
100
120
140
160
180
Right In: 670.081+/-0.183 χ²/NDF: 4291034.8/18
Left Out: 427.814+/-0.074 χ²/NDF:3188396.1/23
Right Out: 534.396+/-0.154 χ²/NDF: 4824379.6/20
Left In: 433.285+/-0.076 χ²/NDF:3247871.5/22
+ sign 462.092+/-0.069 χ²/NDF: 8984174.0/42
All: 457.479+/-0.048 χ²/NDF: 17413545.8/86
- sign 452.993+/-0.068 χ²/NDF: 8420511.6/43

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 398.590+/-503.847 χ^2/NDF: 22.0/18

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 59.037+/-502.438 χ^2/NDF: 24.7/20

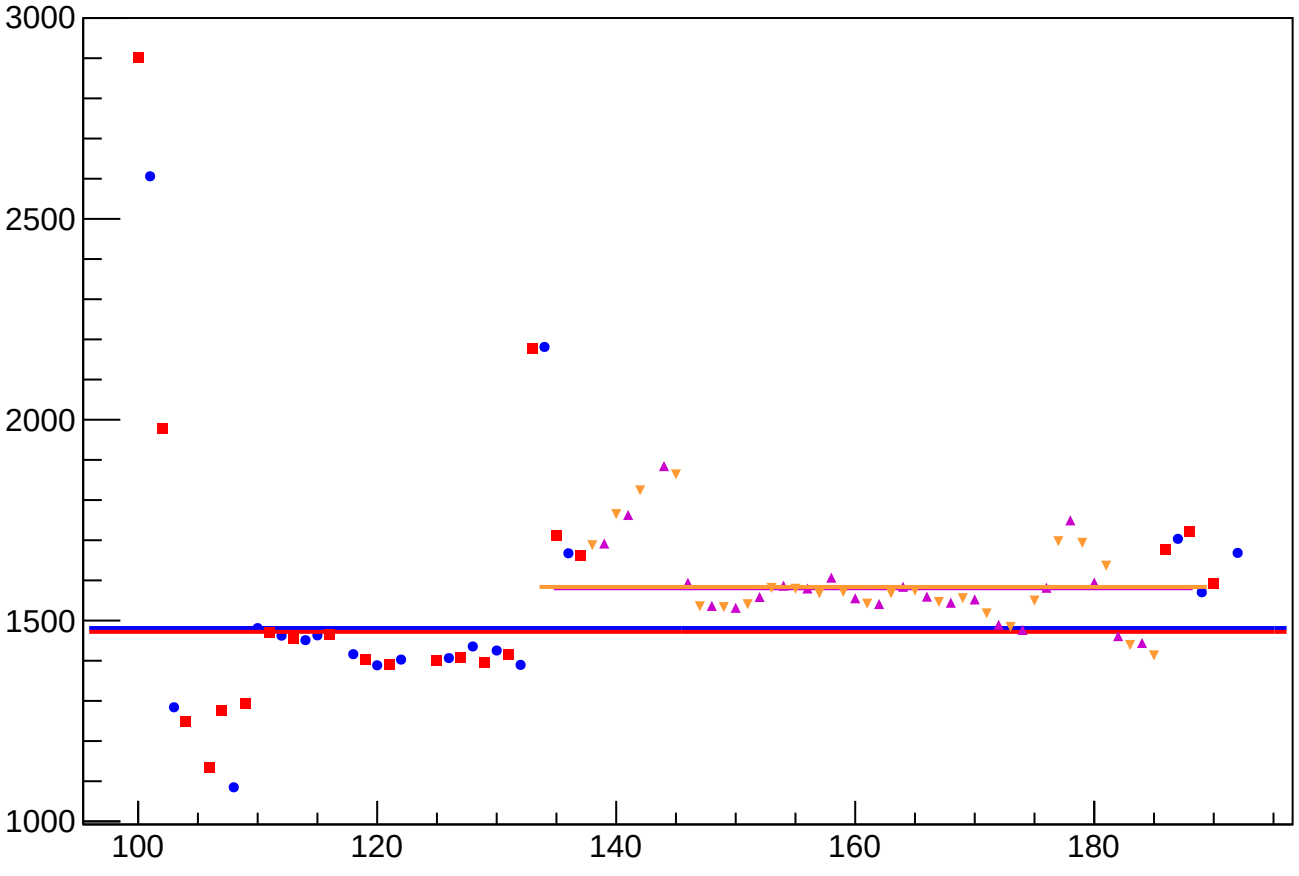
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 244.144+/-297.367 χ^2/NDF: 52.1/42

All: 139.171+/-210.430 χ^2/NDF: 93.0/86

- sign 33.879+/-297.818 χ^2/NDF: 40.7/43

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1481.436+/-0.356 χ^2/NDF: 527963.2/18

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

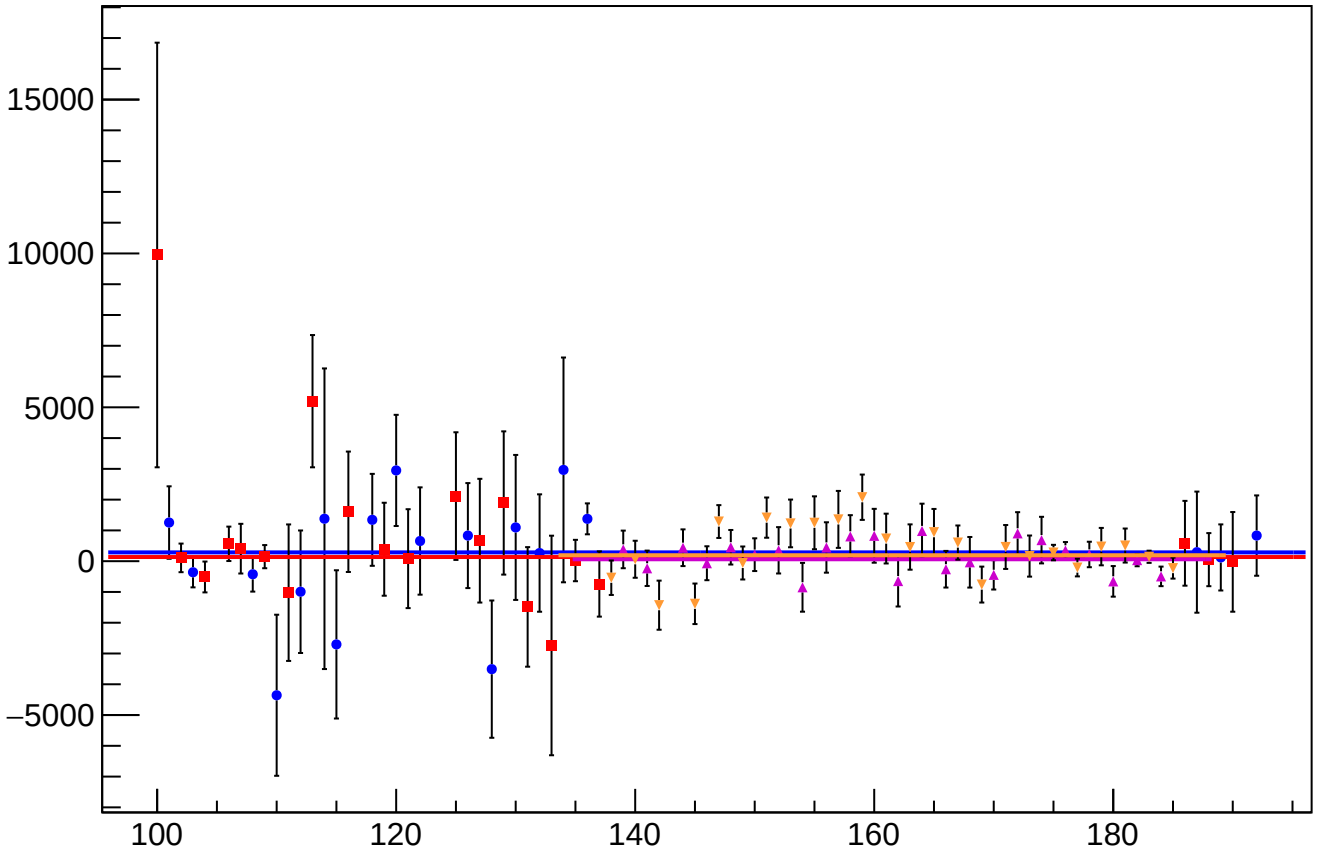
Right Out: 1471.936+/-0.355 χ^2/NDF: 394736.4/20

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1548.061+/-0.210 χ^2/NDF: 715209.5/42

All: 1545.201+/-0.149 χ^2/NDF: 1296590.6/86

- sign 1542.333+/-0.211 χ^2/NDF: 581010.7/43



Right In: 285.671+/-246.600 χ^2/NDF: 20.4/18

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

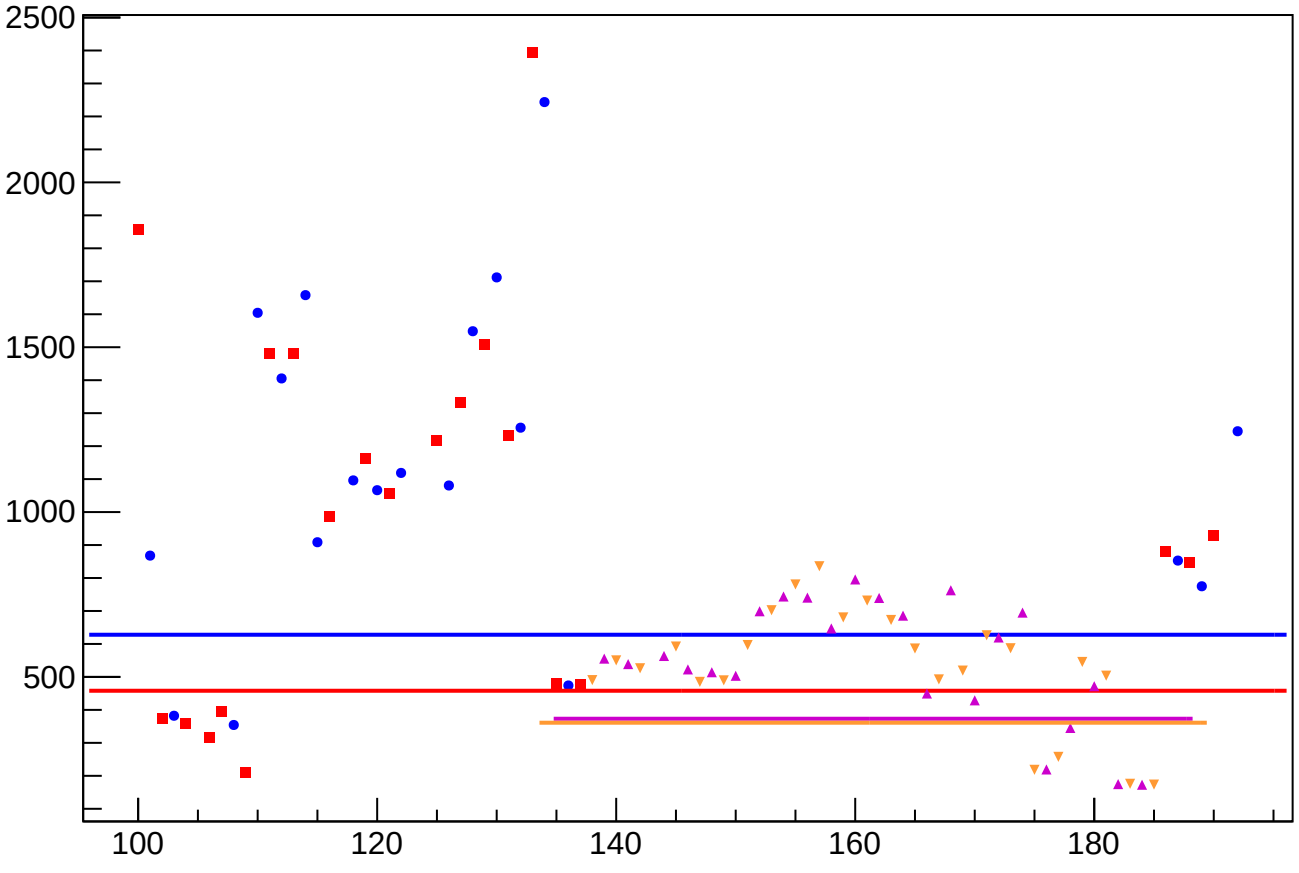
Right Out: 134.921+/-187.977 χ^2/NDF: 14.6/20

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 205.439+/-89.374 χ^2/NDF: 60.6/42

All: 140.877+/-62.738 χ^2/NDF: 93.3/86

- sign 78.156+/-88.090 χ^2/NDF: 31.7/43



Right In: 627.935+/-0.174 χ^2/NDF: 4437061.5/18

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

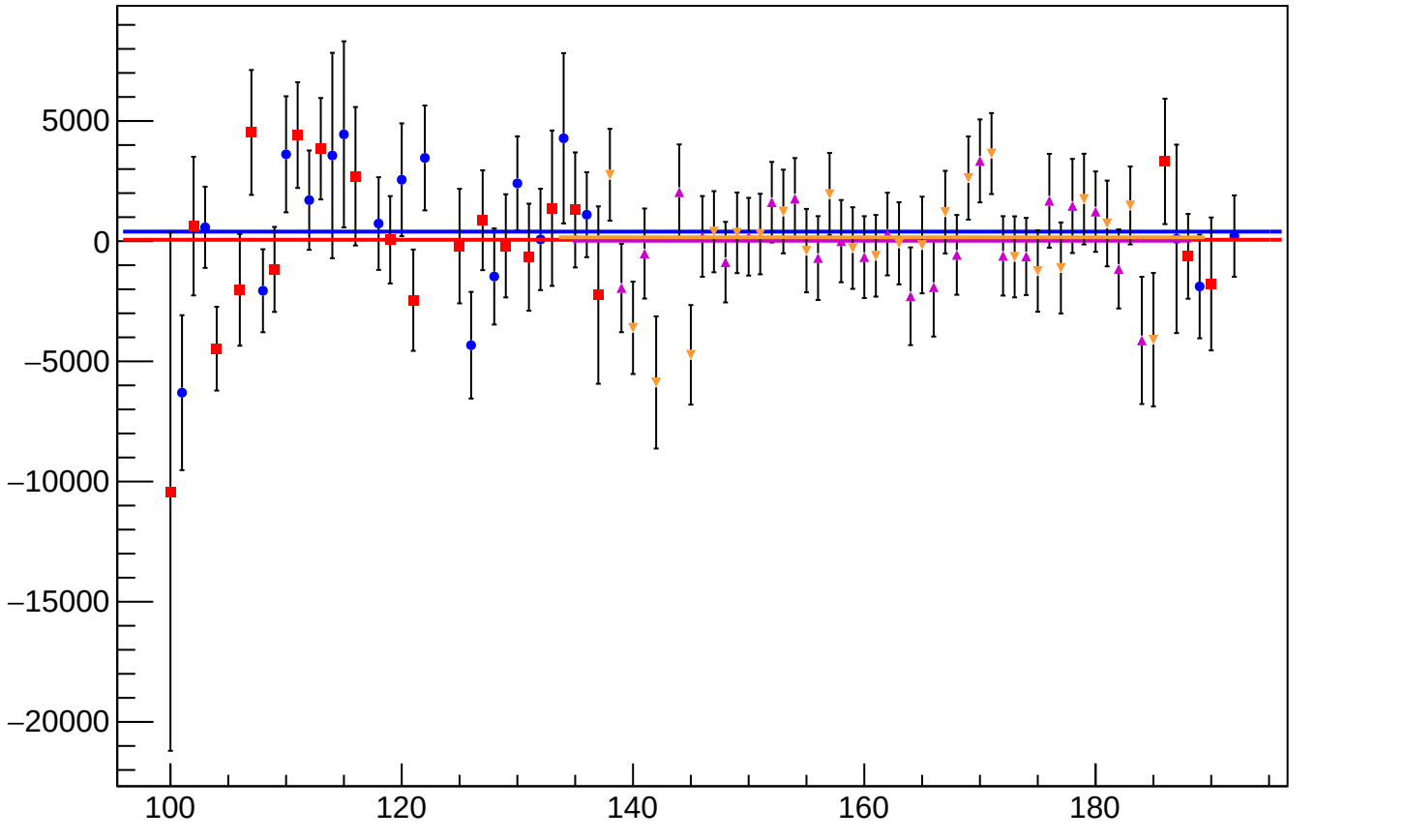
Right Out: 458.046+/-0.133 χ^2/NDF: 5683692.4/20

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

\+ sign 396.149+/-0.063 χ^2/NDF: 14654307.4/42

All: 393.936+/-0.044 χ^2/NDF: 28866202.1/86

\- sign 391.786+/-0.062 χ^2/NDF: 14209476.8/43



Right In: 398.591+/-503.847 χ^2/NDF: 22.0/18

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

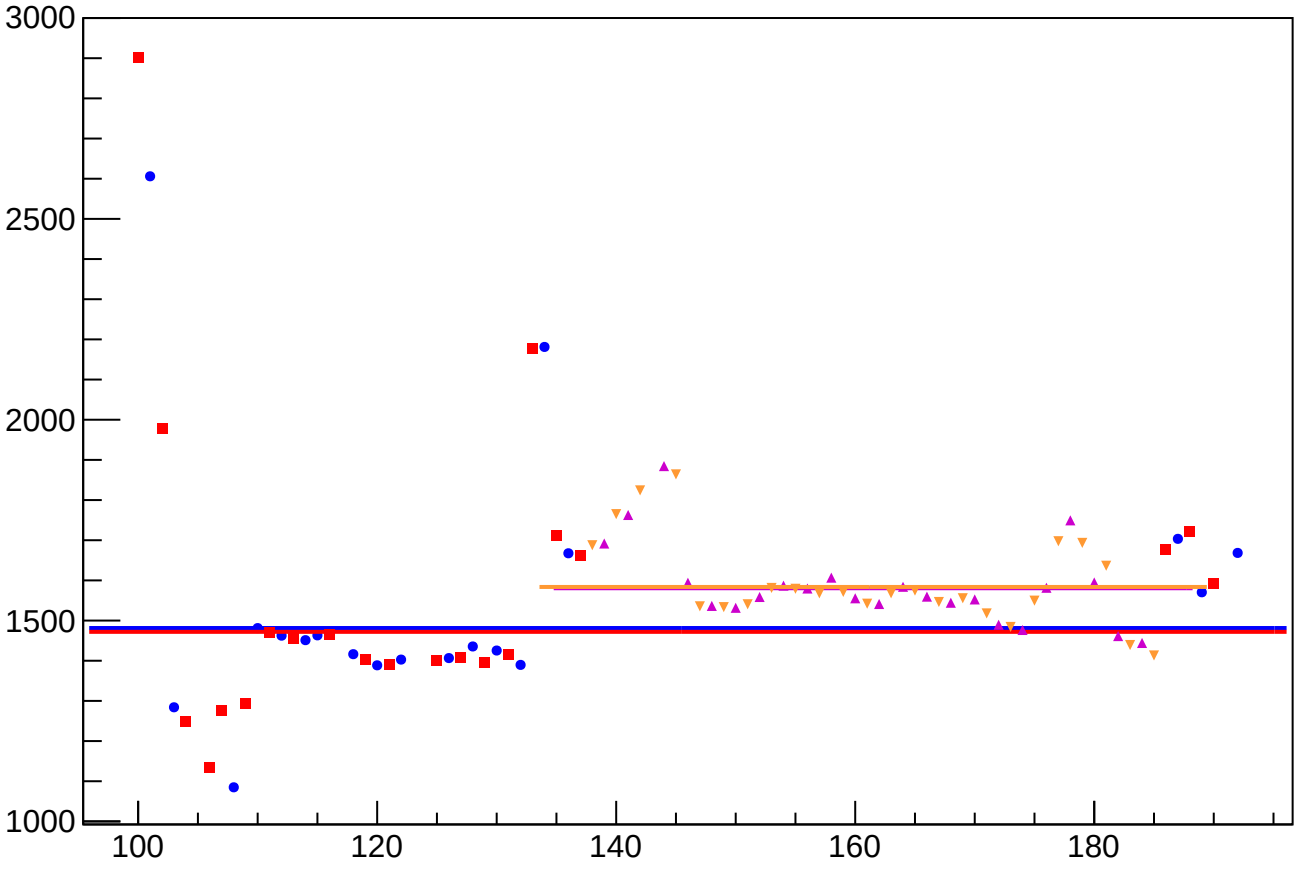
Right Out: 59.035+/-502.438 χ^2/NDF: 24.7/20

Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

\+ sign 244.142+/-297.367 χ^2/NDF: 52.1/42

All: 139.169+/-210.429 χ^2/NDF: 93.0/86

\- sign 33.877+/-297.818 χ^2/NDF: 40.7/43



Right In: 1481.436+/-0.356 χ^2/NDF: 527962.8/18

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

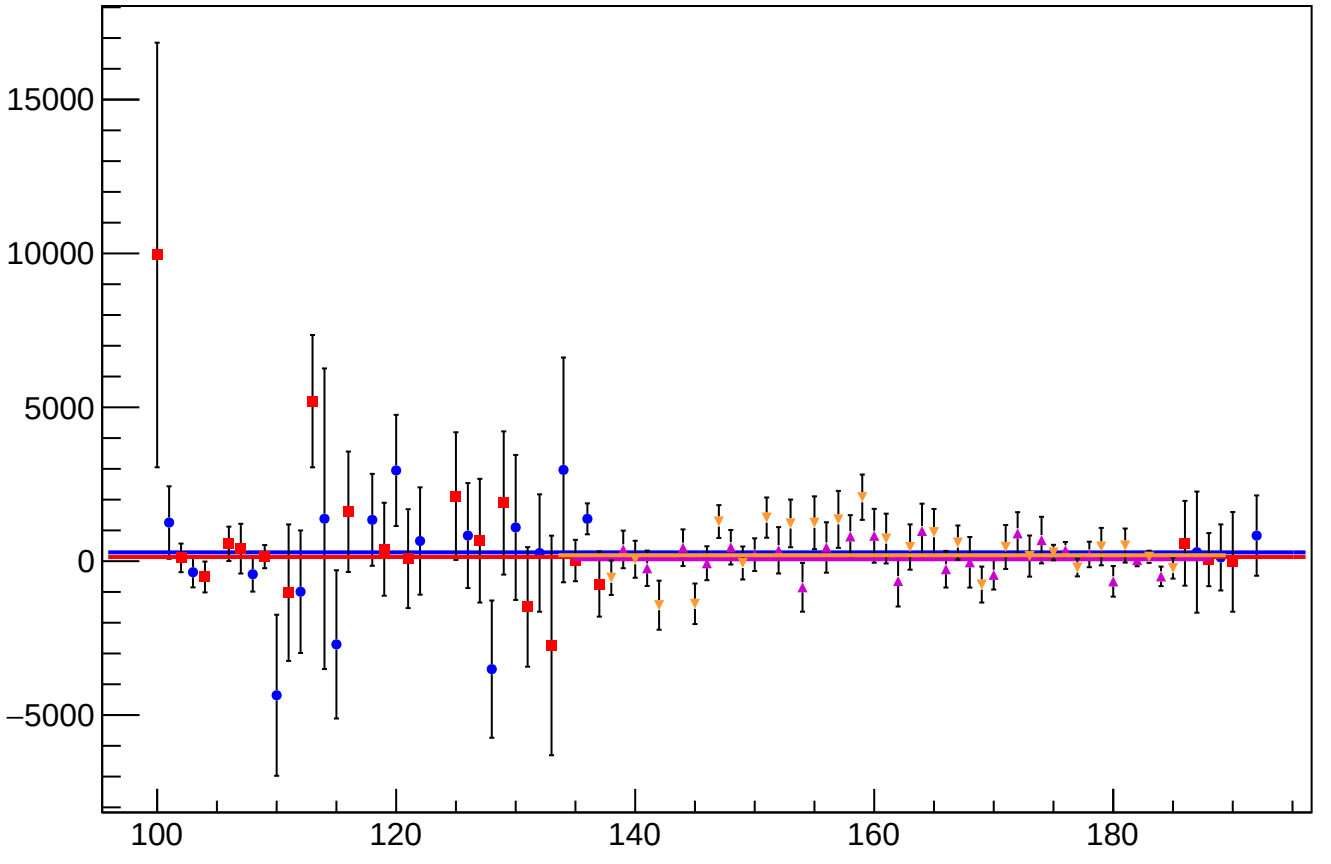
Right Out: 1471.936+/-0.355 χ^2/NDF: 394736.6/20

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1548.061+/-0.210 χ^2/NDF: 715209.0/42

All: 1545.201+/-0.149 χ^2/NDF: 1296590.1/86

- sign 1542.333+/-0.211 χ^2/NDF: 581010.6/43



Right In: 285.664+/-246.599 χ^2/NDF: 20.4/18

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

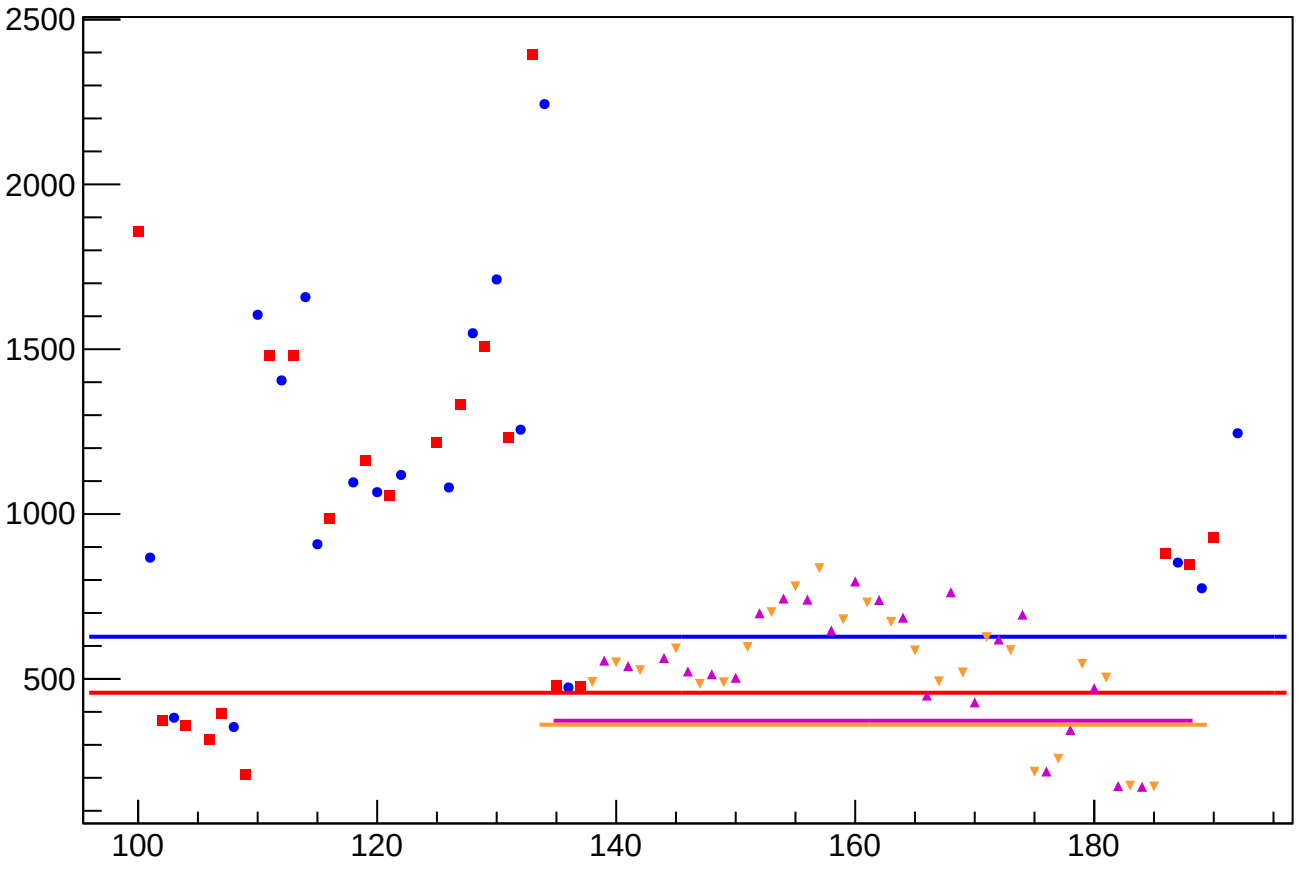
Right Out: 134.917+/-187.979 χ^2/NDF: 14.6/20

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

\+ sign 205.443+/-89.375 χ^2/NDF: 60.6/42

All: 140.878+/-62.739 χ^2/NDF: 93.3/86

\- sign 78.154+/-88.091 χ^2/NDF: 31.7/43



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

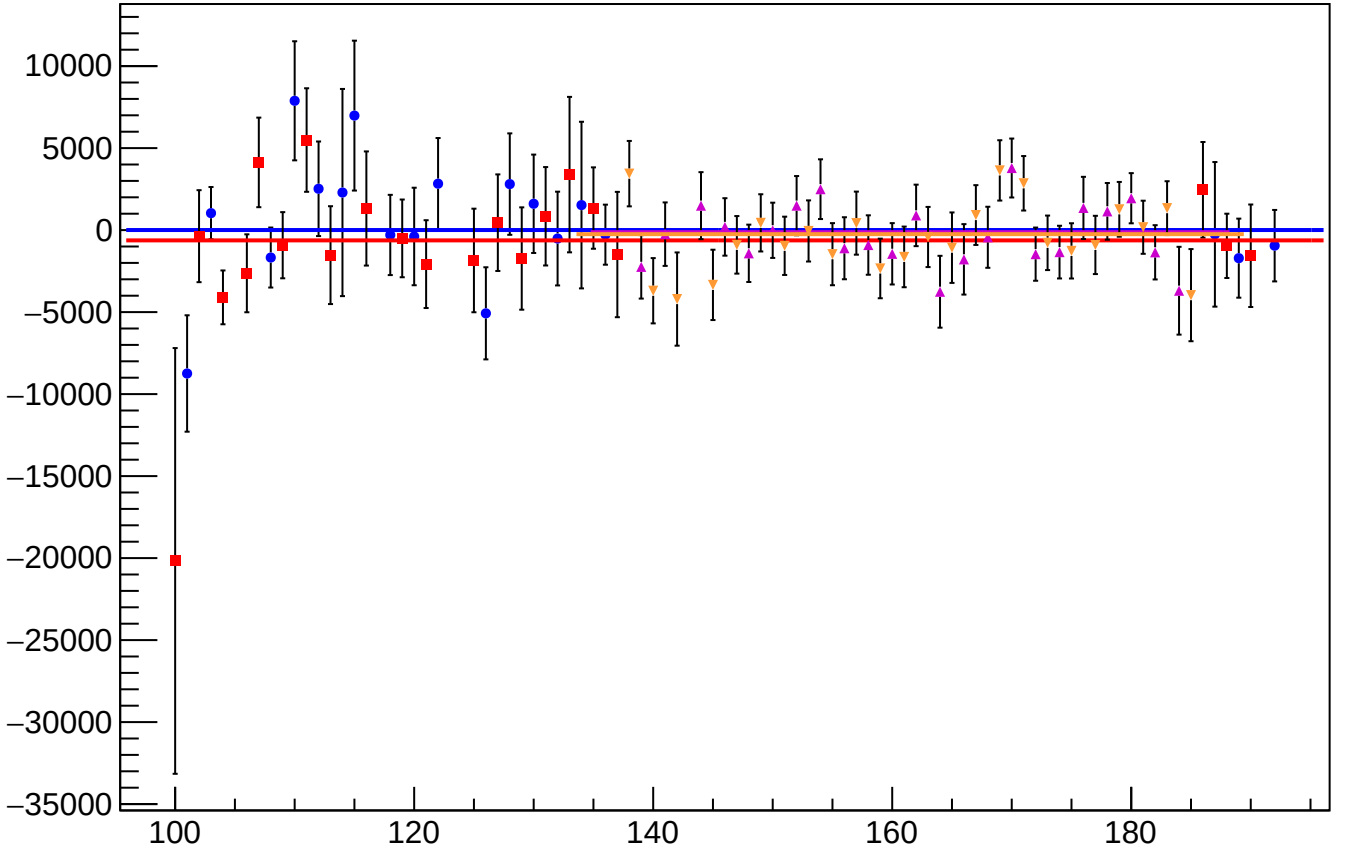
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 396.153+/-0.063 χ^2/NDF: 14654099.0/42

All: 393.940+/-0.044 χ^2/NDF: 28865669.5/86

- sign 391.791+/-0.062 χ^2/NDF: 14209154.4/43

asym_us_dd_at2lr_dd_dd_mean vs Slug



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

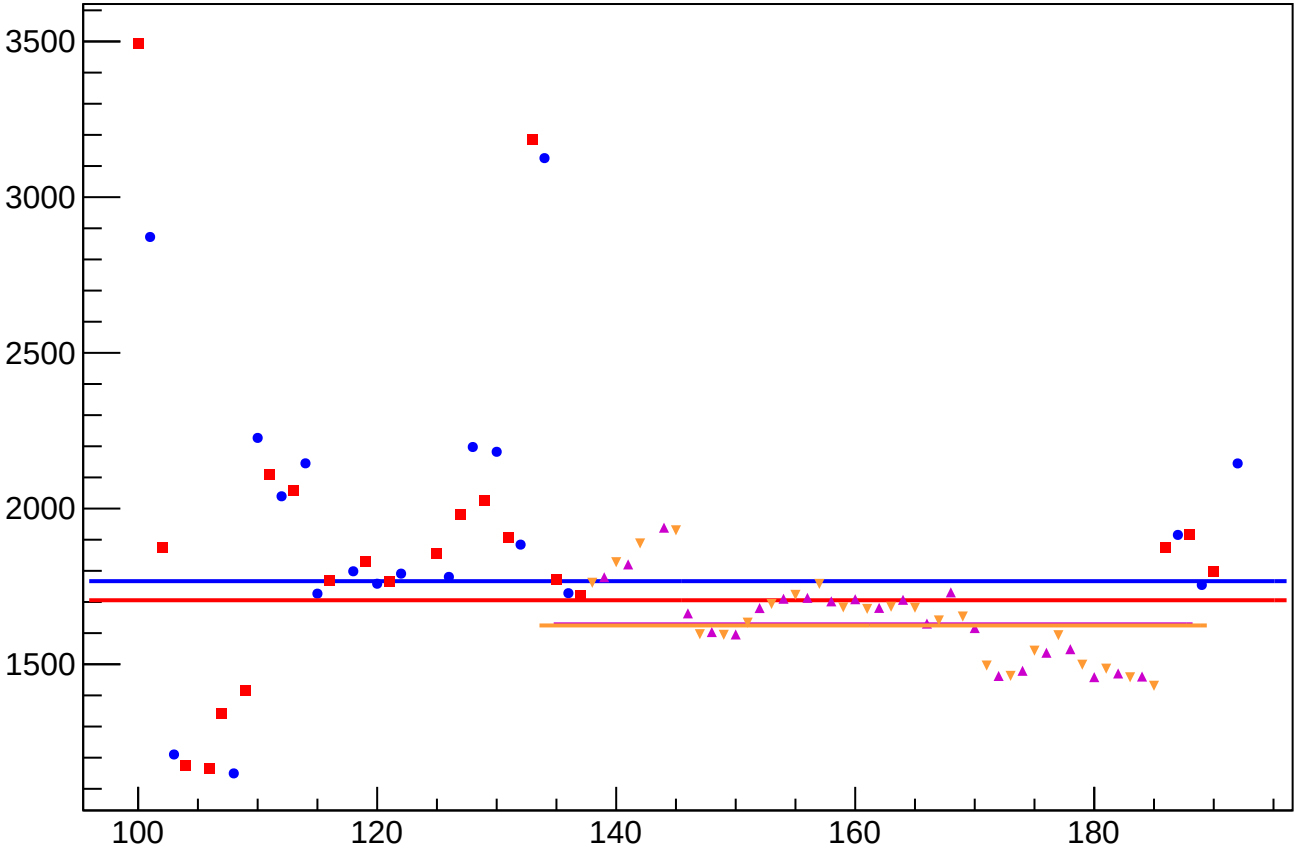
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -177.242+/-321.453 χ^2/NDF: 47.7/42

All: -225.326+/-226.951 χ^2/NDF: 87.7/86

- sign -273.115+/-320.465 χ^2/NDF: 40.0/43

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1766.871+/-0.431 χ^2/NDF: 1011080.8/18

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

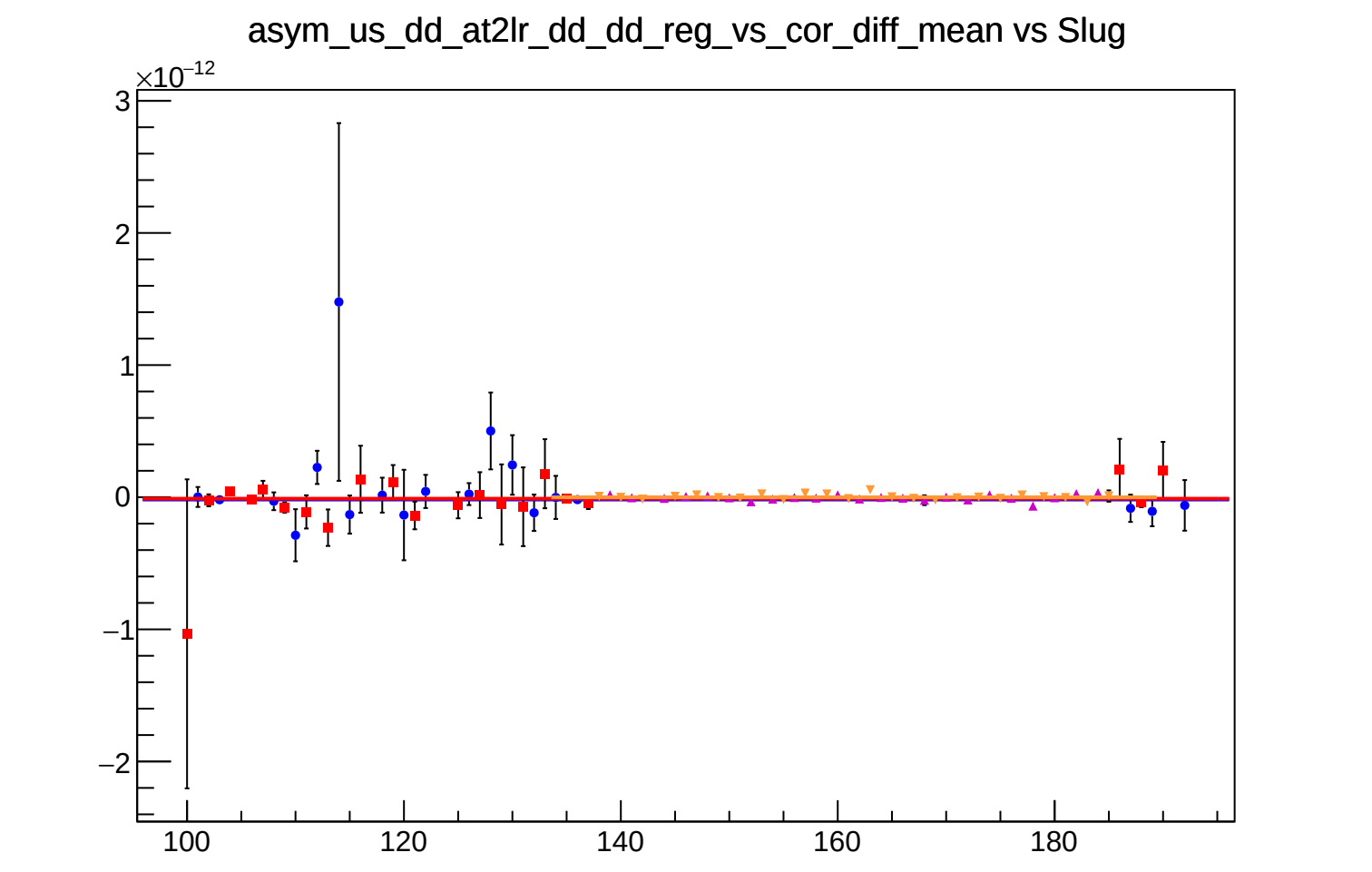
Right Out: 1705.557+/-0.418 χ^2/NDF: 782217.8/20

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1664.115+/-0.227 χ^2/NDF: 1296899.3/42

All: 1657.503+/-0.160 χ^2/NDF: 2309844.8/86

- sign 1650.931+/-0.227 χ^2/NDF: 1011258.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

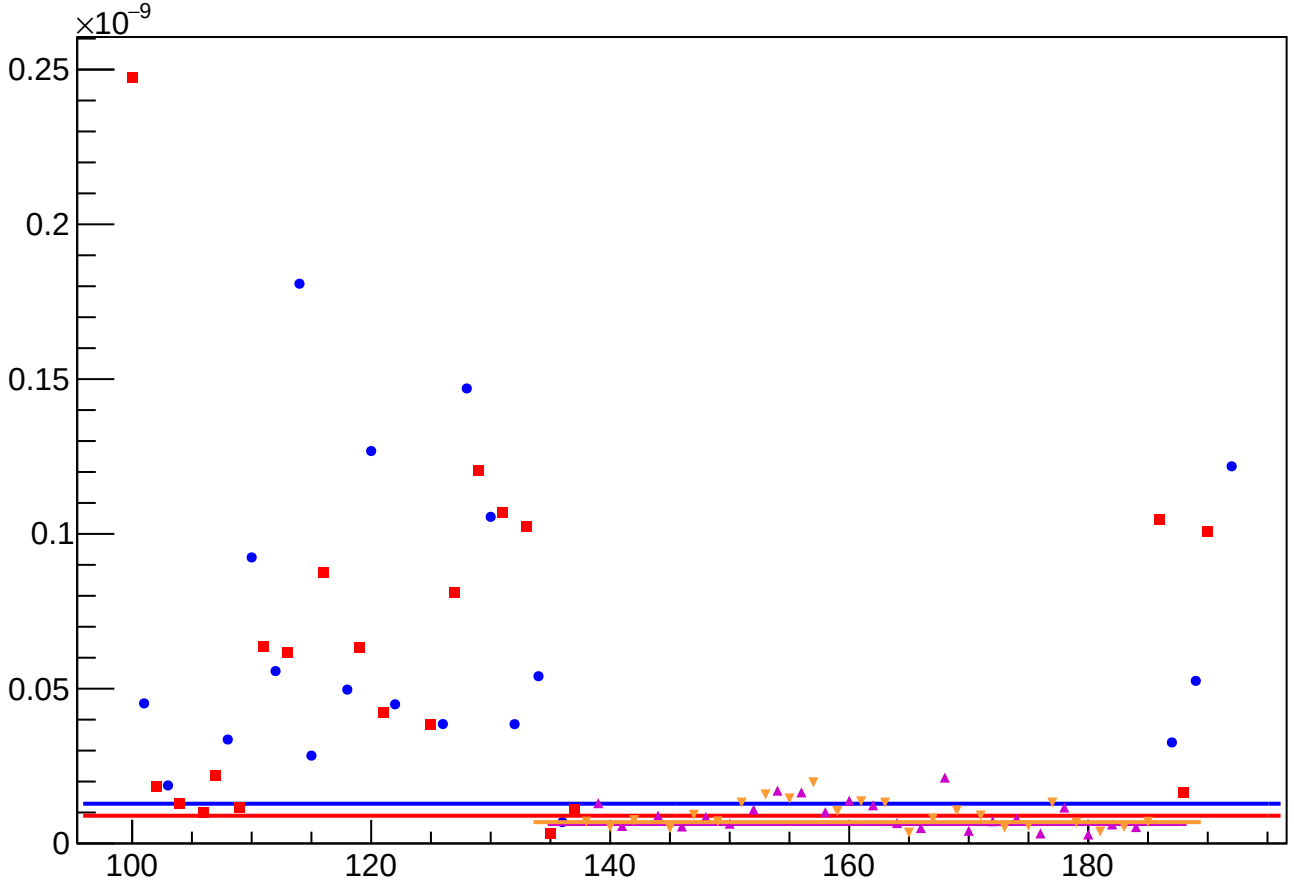
Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/20

Left In: -0.000+/-0.000 χ^2/NDF:24.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.6/42

All: -0.000+/-0.000 χ^2/NDF: 83.8/86

- sign -0.000+/-0.000 χ^2/NDF: 44.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 4407001.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

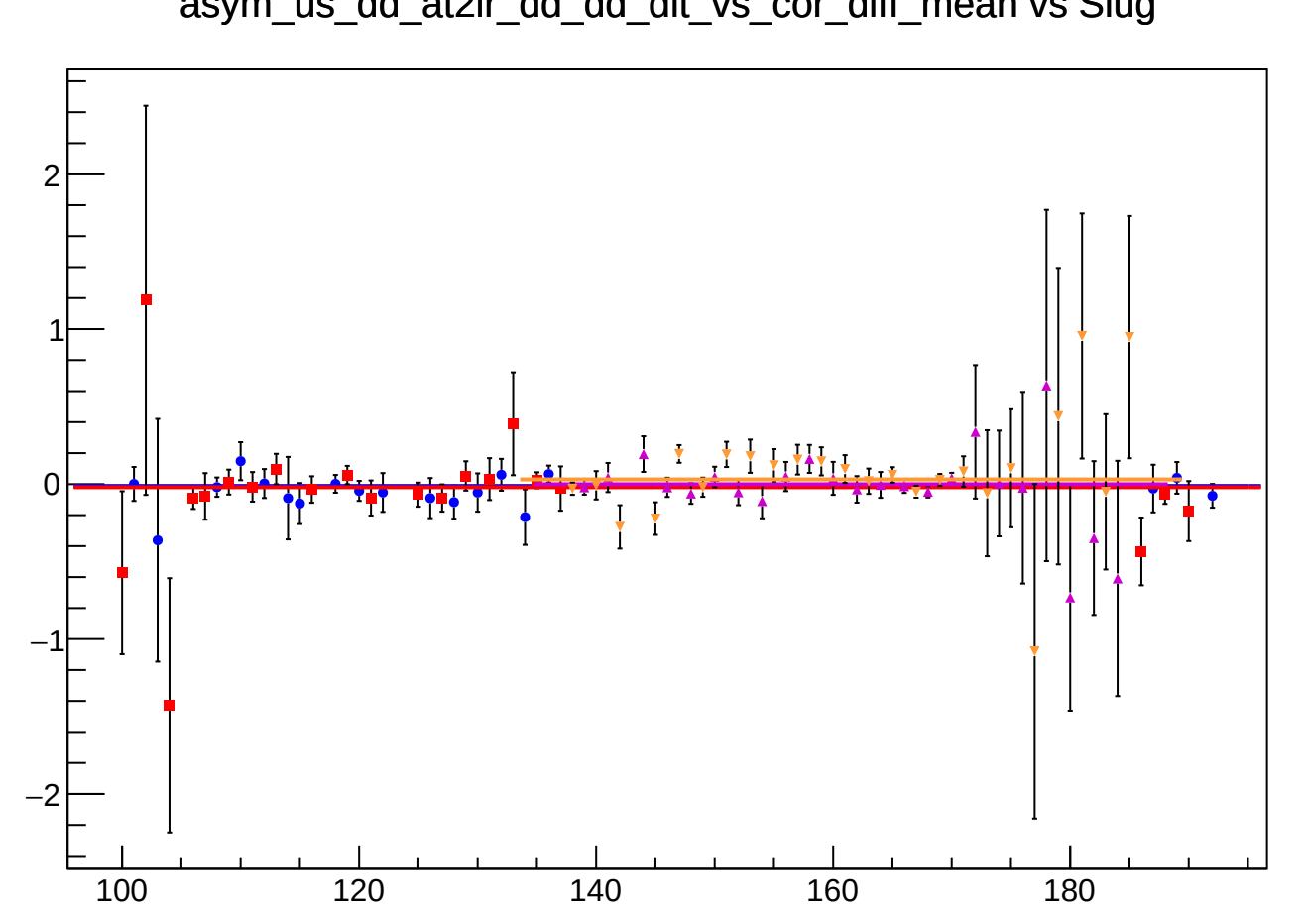
Right Out: 0.000+/-0.000 χ^2/NDF: 4318793.0/20

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7299022.8/42

All: 0.000+/-0.000 χ^2/NDF: 14772590.0/86

- sign 0.000+/-0.000 χ^2/NDF: 7387347.9/43



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

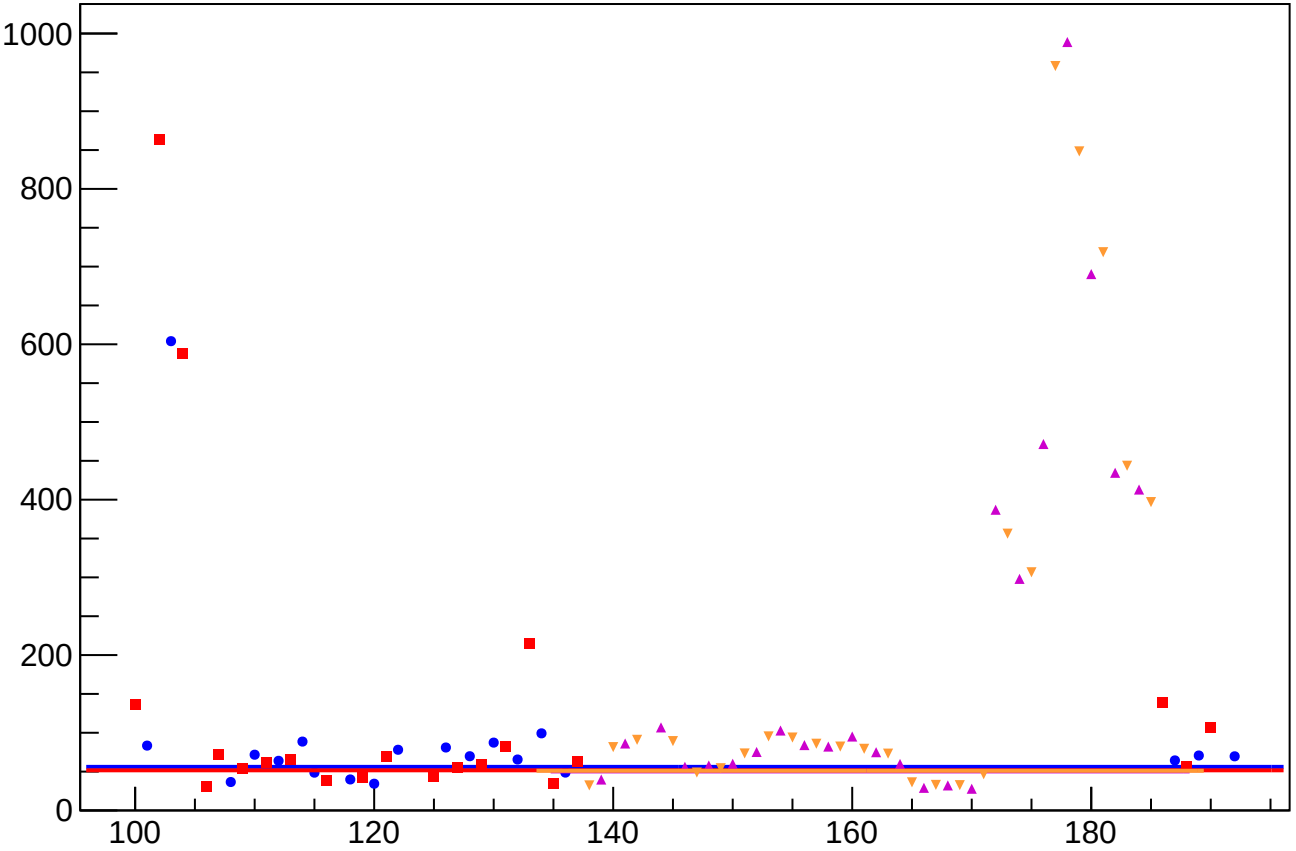
Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.4/42

All: 0.004+/-0.009 χ^2/NDF: 90.6/86

- sign -0.007+/-0.012 χ^2/NDF: 35.4/43

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 56.100+/-0.015 χ^2/NDF: 2341855.4/18

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

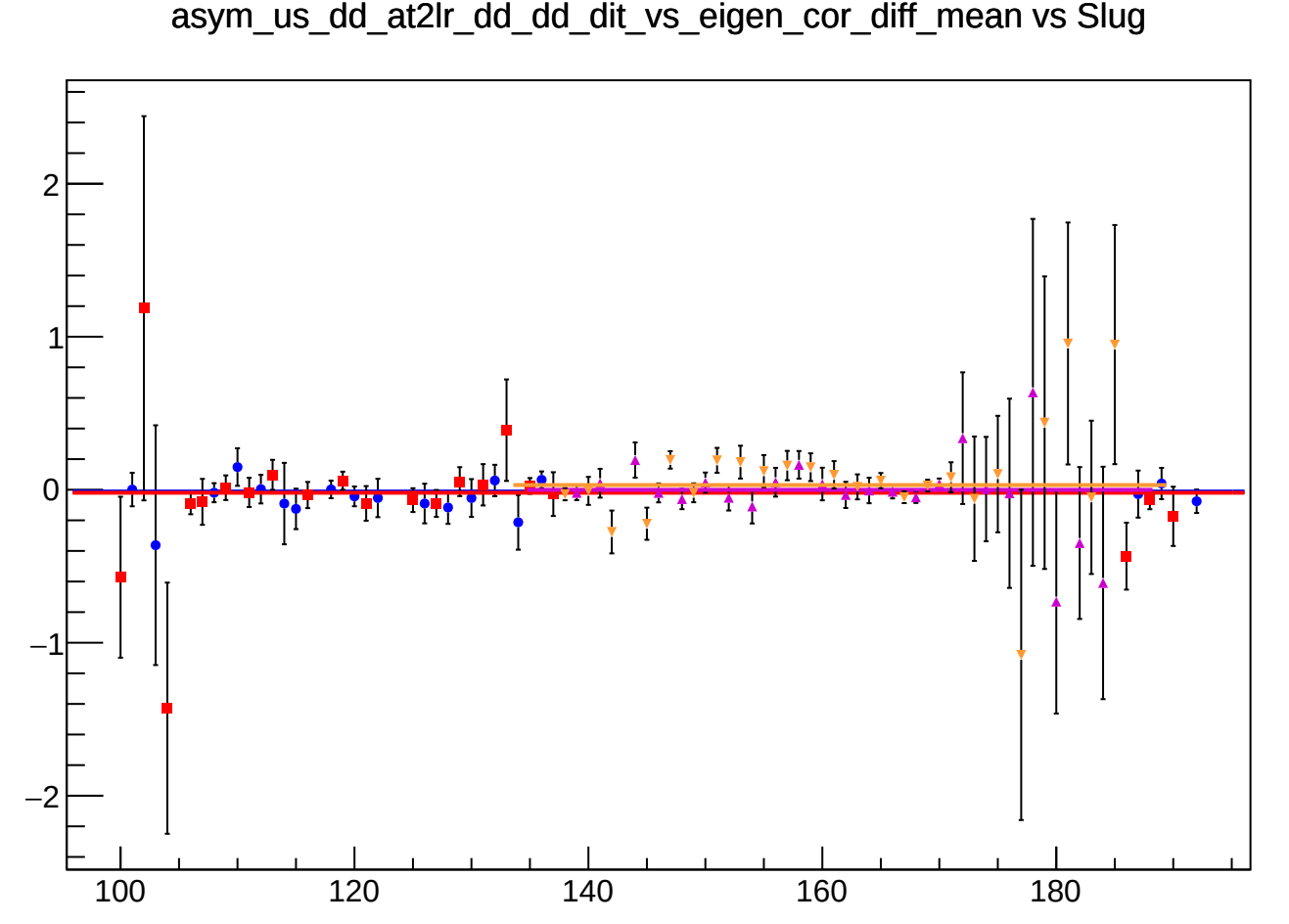
Right Out: 51.674+/-0.015 χ^2/NDF: 3527401.5/20

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 52.803+/-0.009 χ^2/NDF: 14150695.0/42

All: 51.756+/-0.006 χ^2/NDF: 29907256.6/86

\- sign 50.753+/-0.009 χ^2/NDF: 15729271.3/43



Right In: -0.012+/-0.021 χ^2/NDF: 9.3/18

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

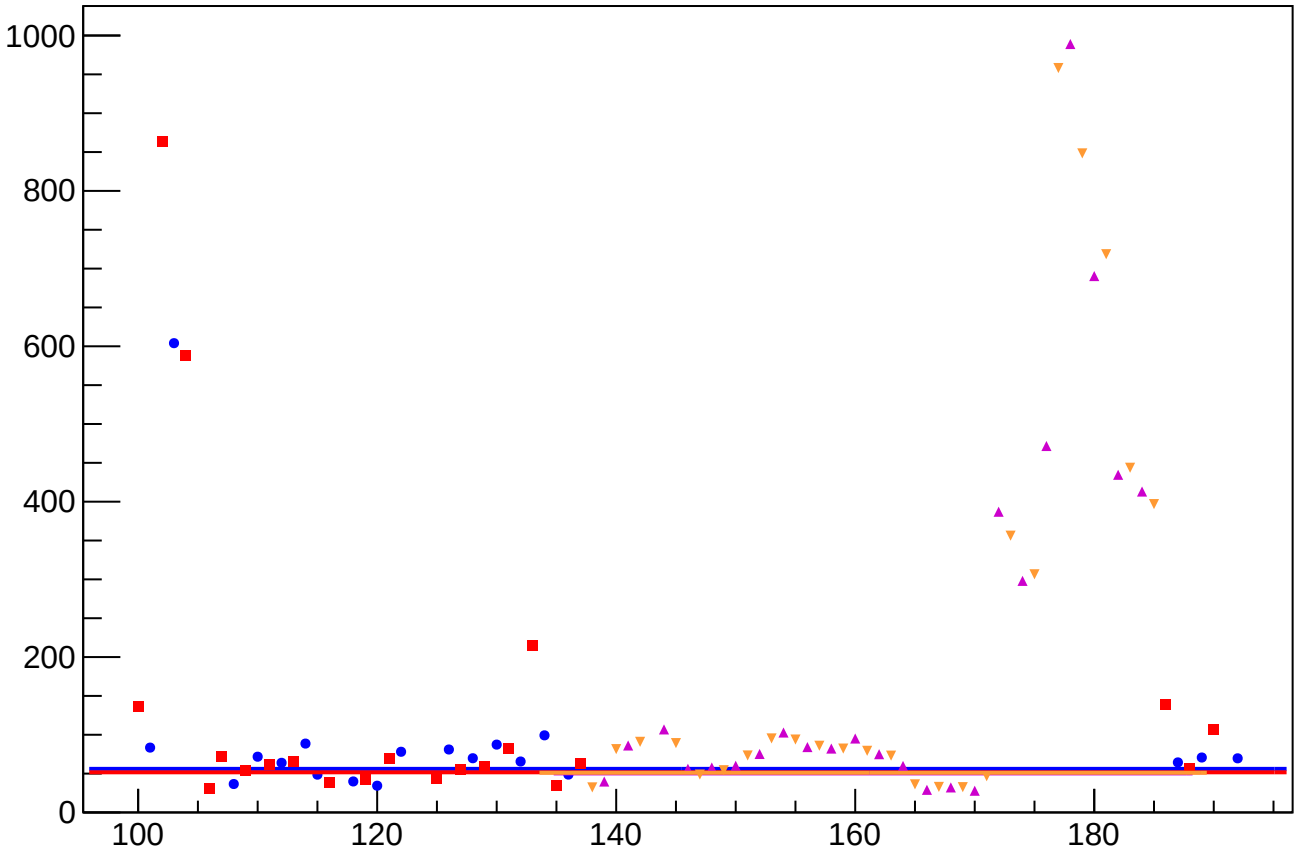
Right Out: -0.020+/-0.021 χ^2/NDF: 18.8/20

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.4/42

All: 0.004+/-0.009 χ^2/NDF: 90.6/86

- sign -0.007+/-0.012 χ^2/NDF: 35.4/43



Right In: 56.100+/-0.015 χ^2/NDF: 2341855.4/18

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

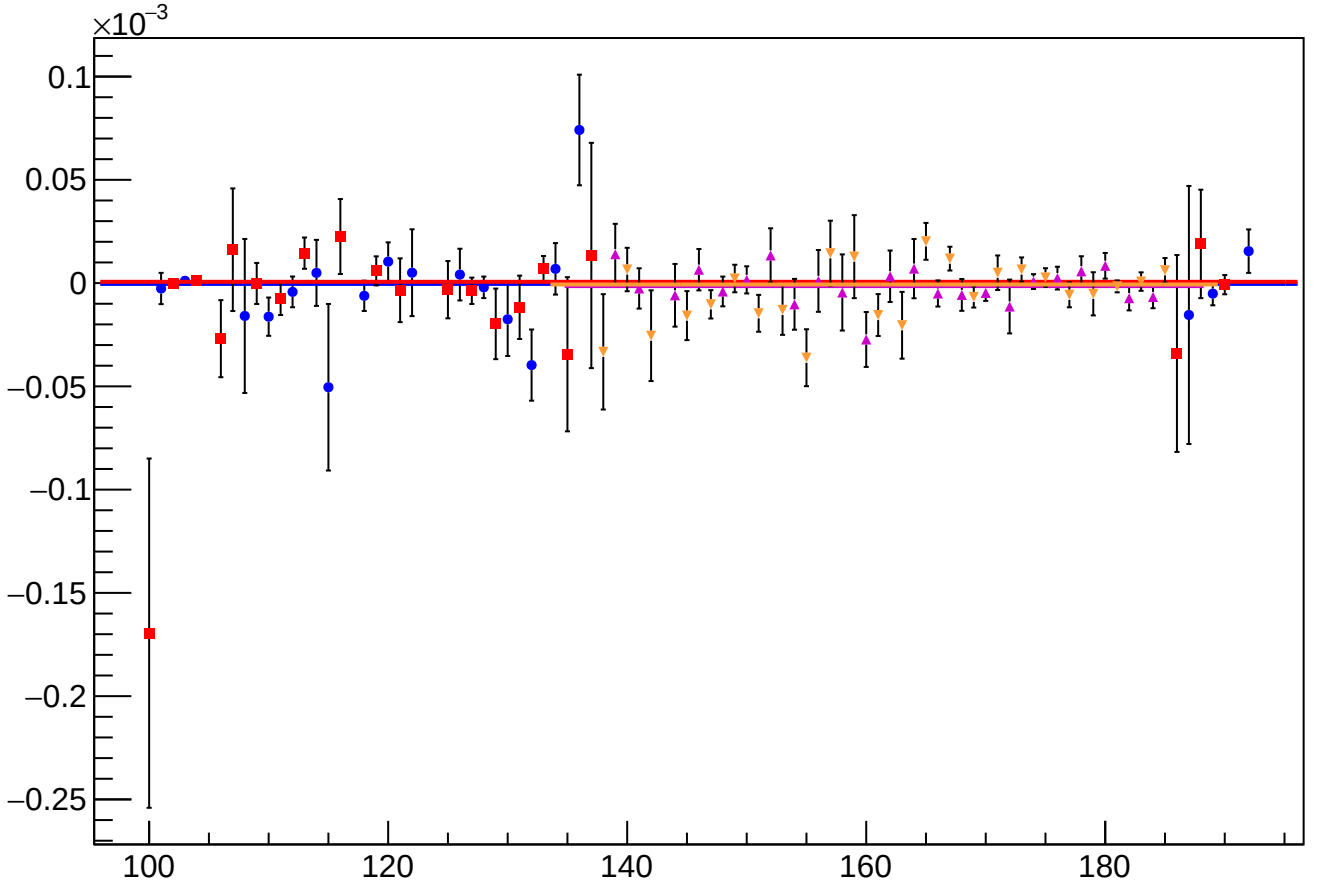
Right Out: 51.674+/-0.015 χ^2/NDF: 3527401.5/20

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 52.803+/-0.009 χ^2/NDF: 14150695.0/42

All: 51.756+/-0.006 χ^2/NDF: 29907256.6/86

\- sign 50.753+/-0.009 χ^2/NDF: 15729271.3/43



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

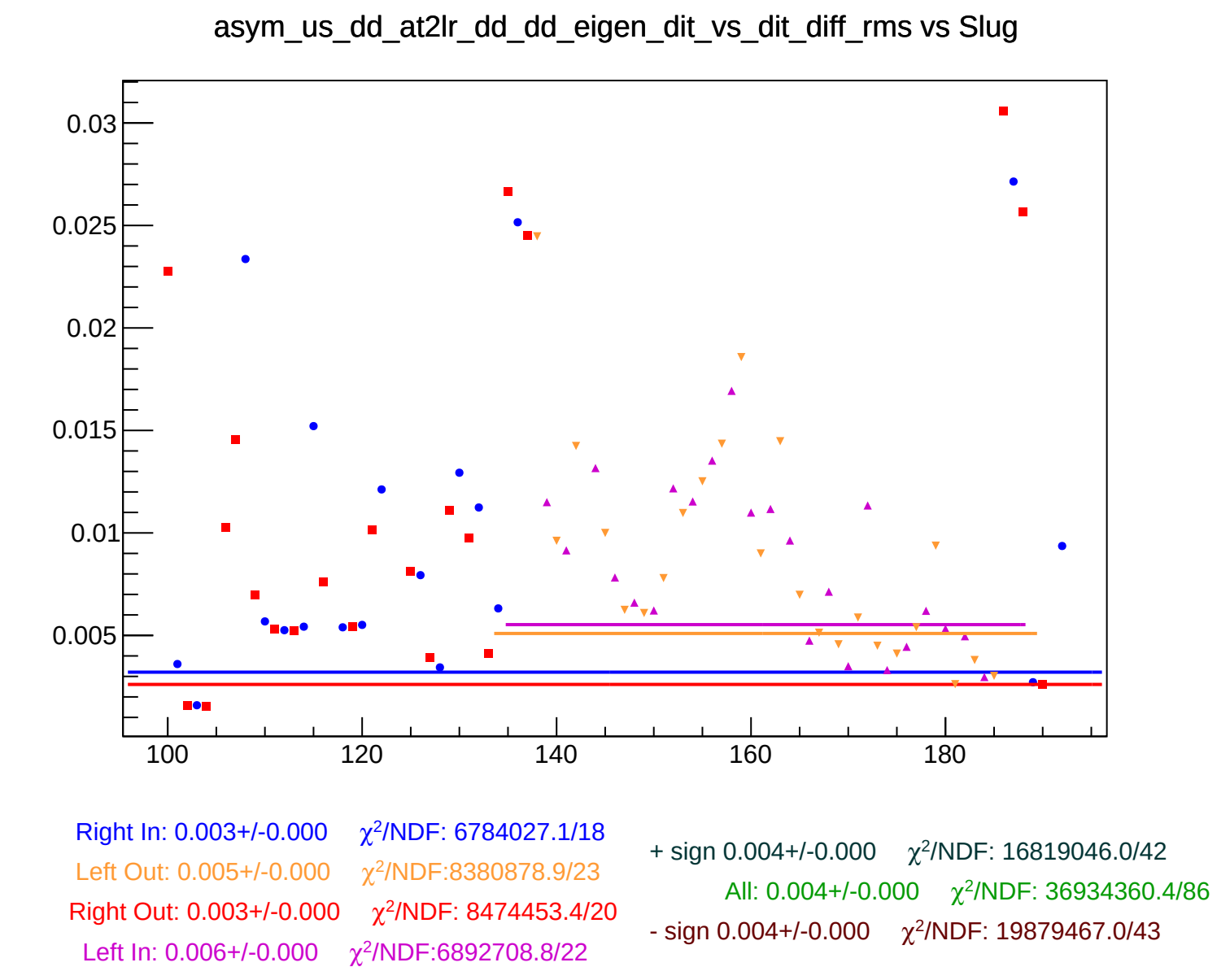
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/20

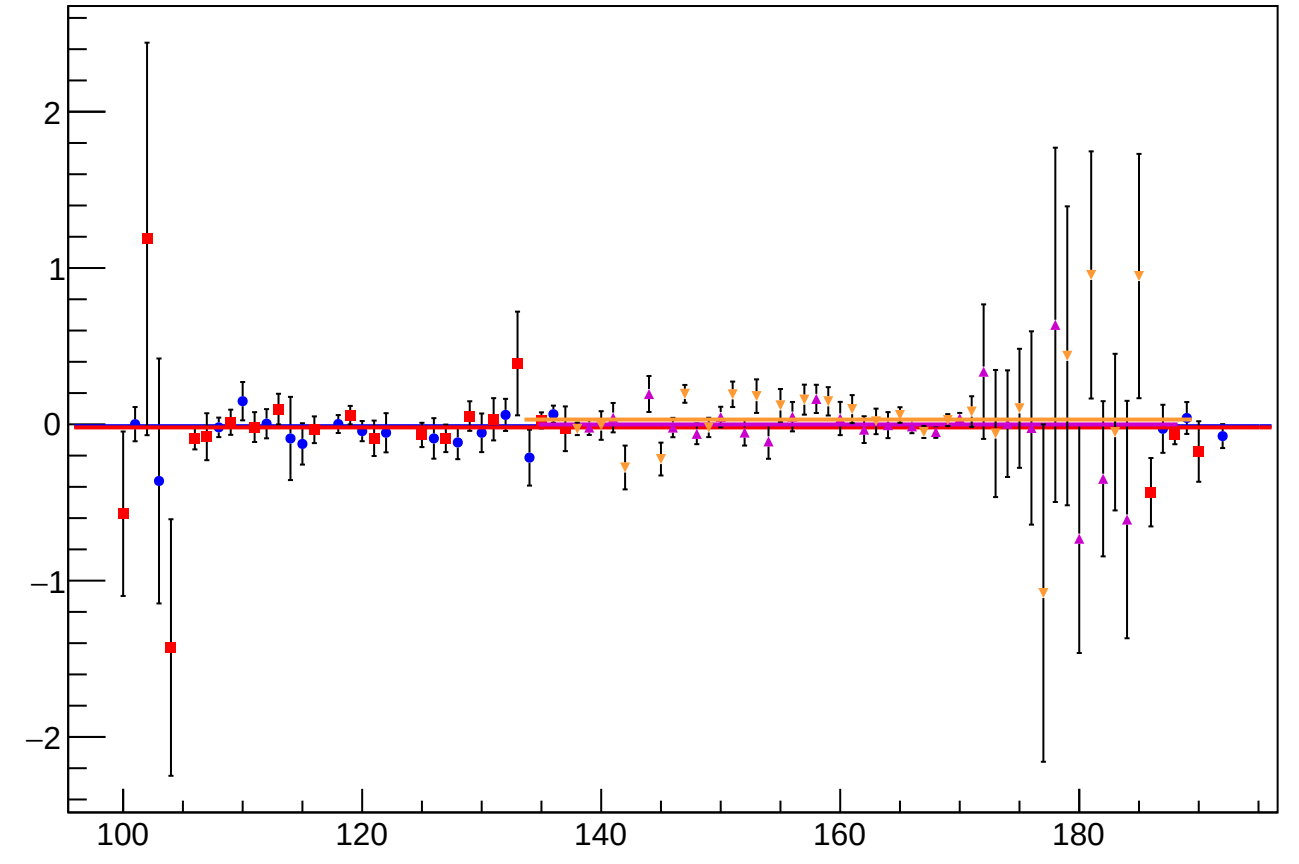
Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.6/42

All: -0.000+/-0.000 χ^2/NDF: 100.2/86

- sign -0.000+/-0.000 χ^2/NDF: 36.5/43


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
Right In: 0.003+/-0.000 χ²/NDF: 6784027.1/18
Left Out: 0.005+/-0.000 χ²/NDF:8380878.9/23
Right Out: 0.003+/-0.000 χ²/NDF: 8474453.4/20
Left In: 0.006+/-0.000 χ²/NDF:6892708.8/22
+ sign 0.004+/-0.000 χ²/NDF: 16819046.0/42
All: 0.004+/-0.000 χ²/NDF: 36934360.4/86
- sign 0.004+/-0.000 χ²/NDF: 19879467.0/43



Right In: -0.012+/-0.021 χ^2/NDF: 9.3/18

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

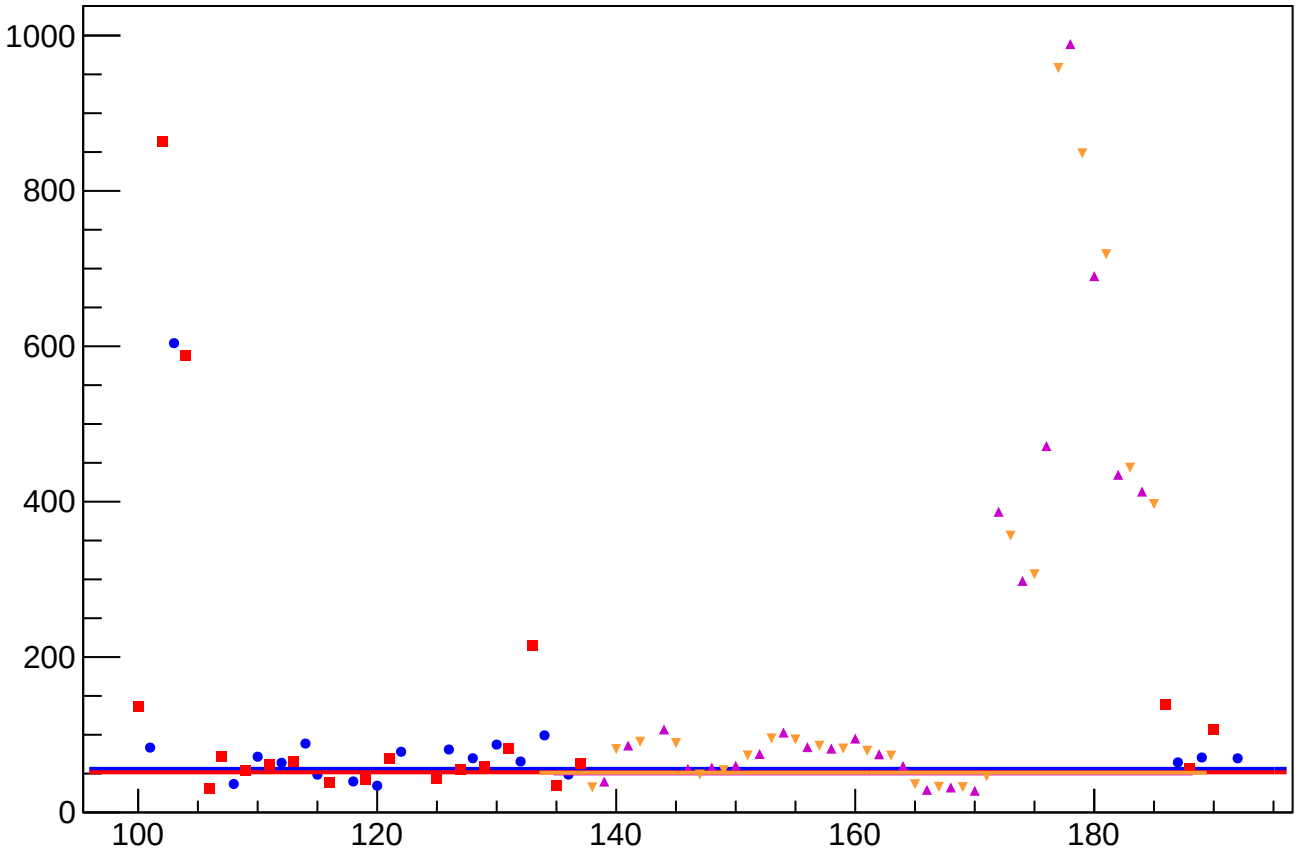
Right Out: -0.020+/-0.021 χ^2/NDF: 18.8/20

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.4/42

All: 0.004+/-0.009 χ^2/NDF: 90.6/86

- sign -0.007+/-0.012 χ^2/NDF: 35.4/43



Right In: 56.103+/-0.015 χ^2/NDF: 2341399.3/18

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

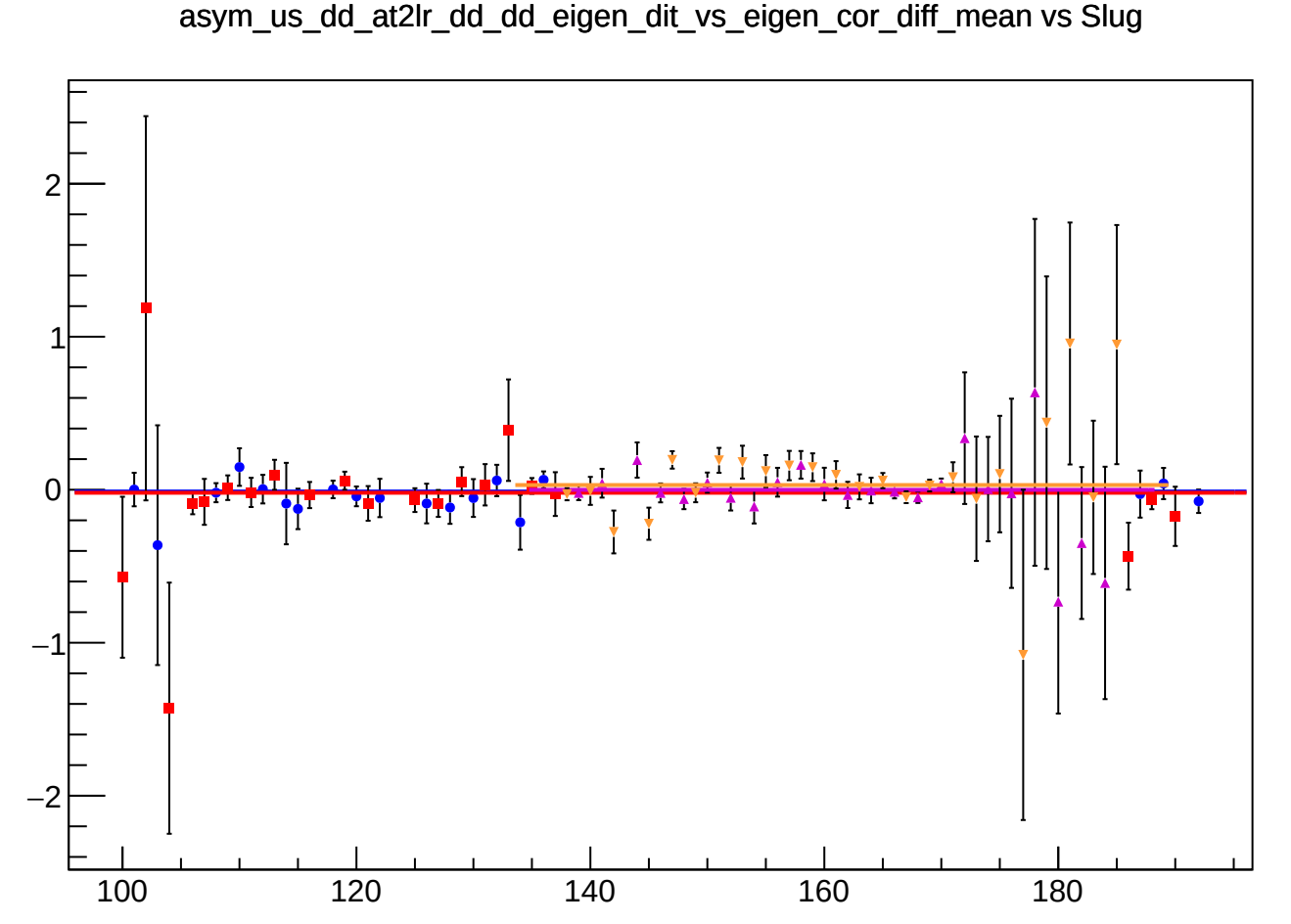
Right Out: 51.676+/-0.015 χ^2/NDF: 3527121.9/20

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 52.805+/-0.009 χ^2/NDF: 14149419.7/42

All: 51.758+/-0.006 χ^2/NDF: 29905708.9/86

\- sign 50.754+/-0.009 χ^2/NDF: 15728953.2/43



Right In: -0.012+/-0.021 χ^2/NDF: 9.3/18

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

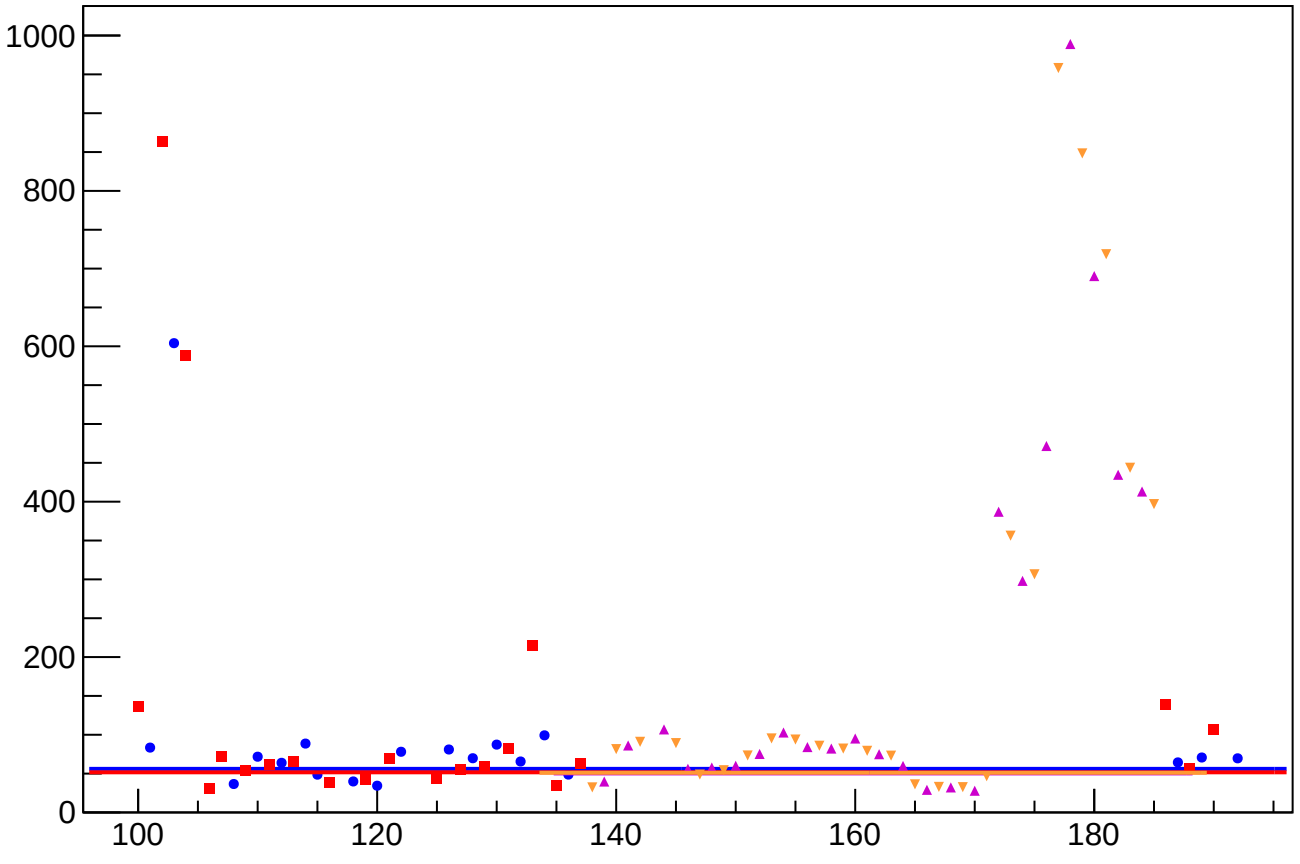
Right Out: -0.020+/-0.021 χ^2/NDF: 18.8/20

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.4/42

All: 0.004+/-0.009 χ^2/NDF: 90.6/86

- sign -0.007+/-0.012 χ^2/NDF: 35.4/43



Right In: 56.103+/-0.015 χ^2/NDF: 2341399.3/18

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

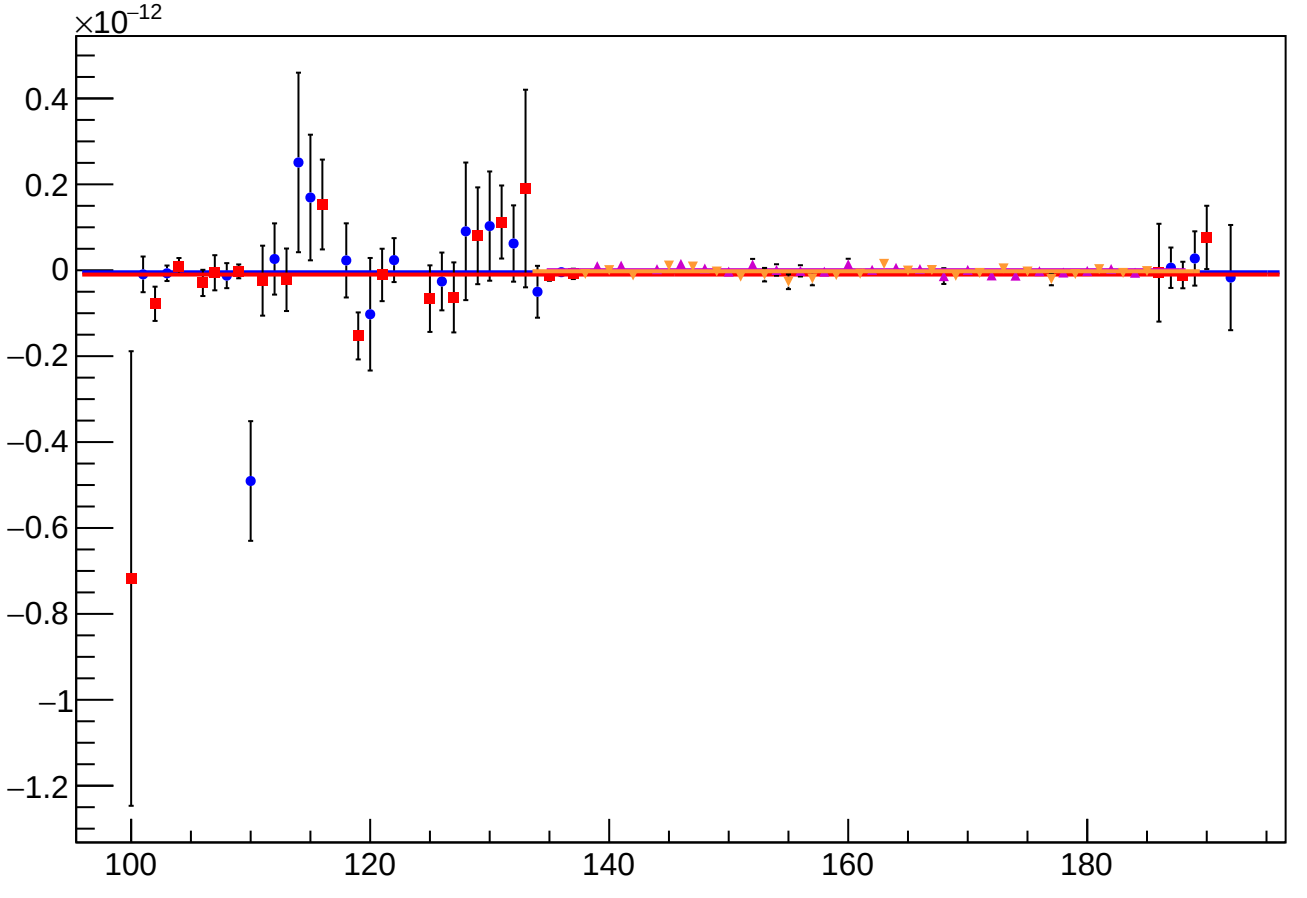
Right Out: 51.676+/-0.015 χ^2/NDF: 3527121.9/20

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 52.805+/-0.009 χ^2/NDF: 14149419.7/42

All: 51.758+/-0.006 χ^2/NDF: 29905708.9/86

\- sign 50.754+/-0.009 χ^2/NDF: 15728953.2/43



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

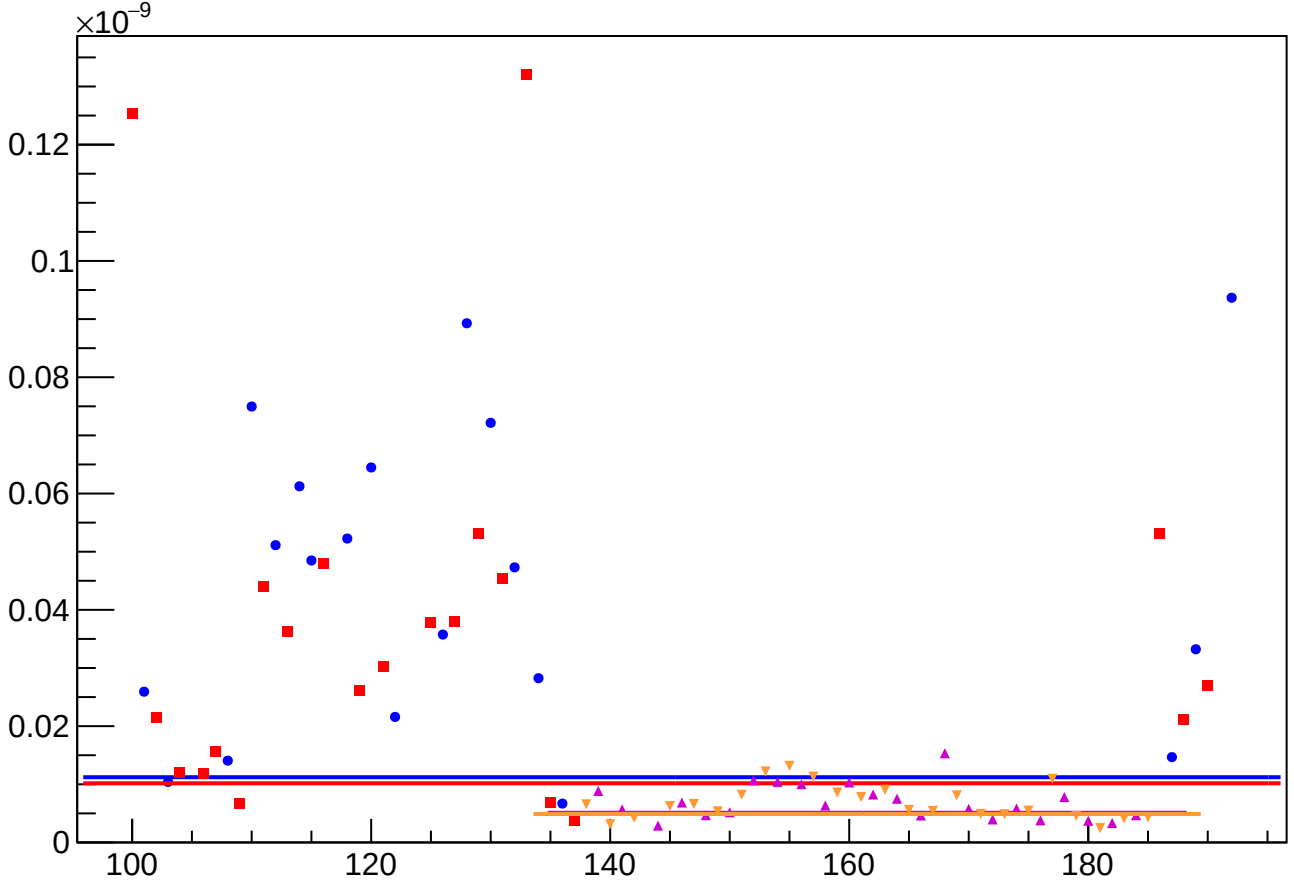
Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/20

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.2/42

All: -0.000+/-0.000 χ^2/NDF: 84.4/86

- sign -0.000+/-0.000 χ^2/NDF: 42.2/43



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

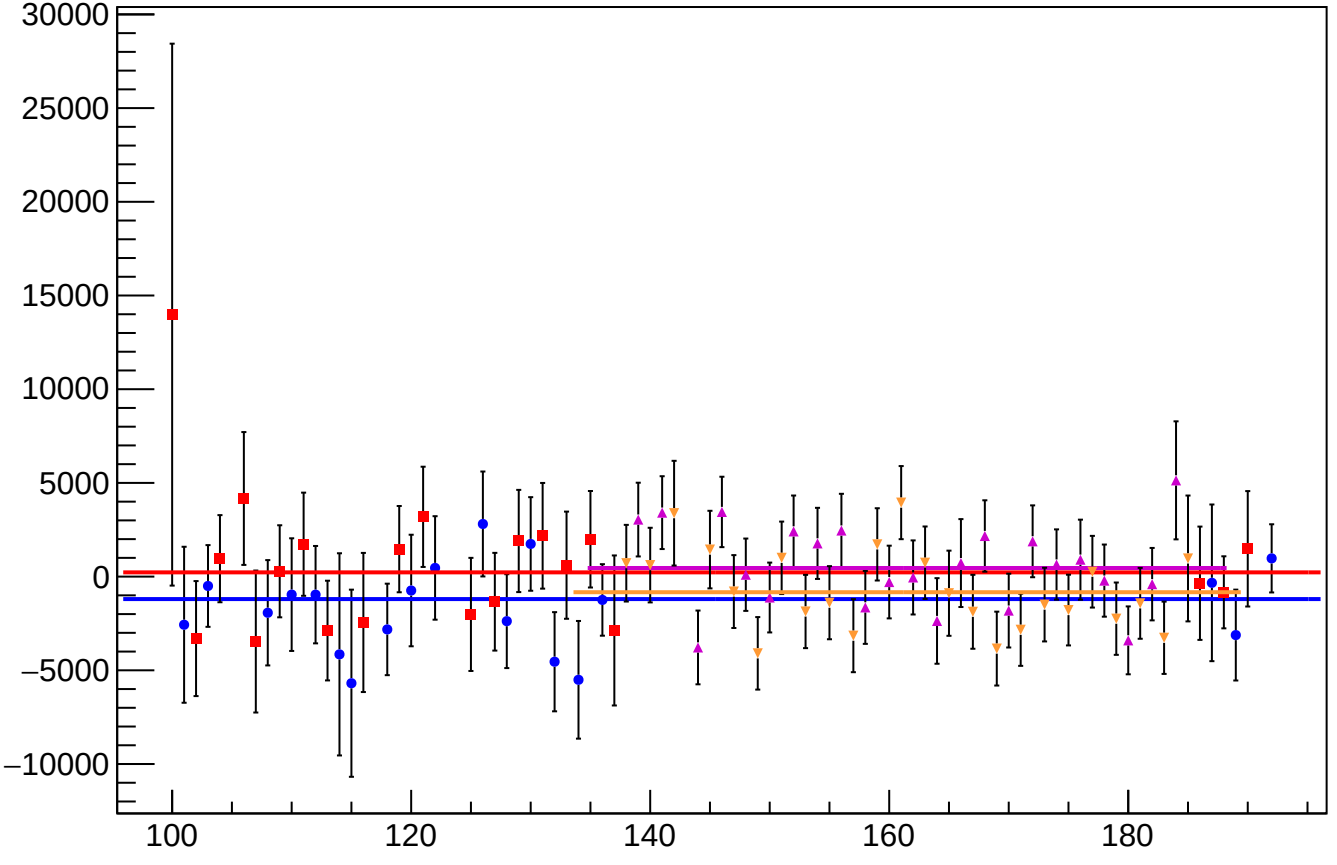
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11729061.6/42

All: 0.000+/-0.000 χ^2/NDF: 21445518.0/86

- sign 0.000+/-0.000 χ^2/NDF: 9698696.0/43

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1198.642+/-615.930 χ^2/NDF: 11.5/18

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 226.304+/-617.375 χ^2/NDF: 11.6/20

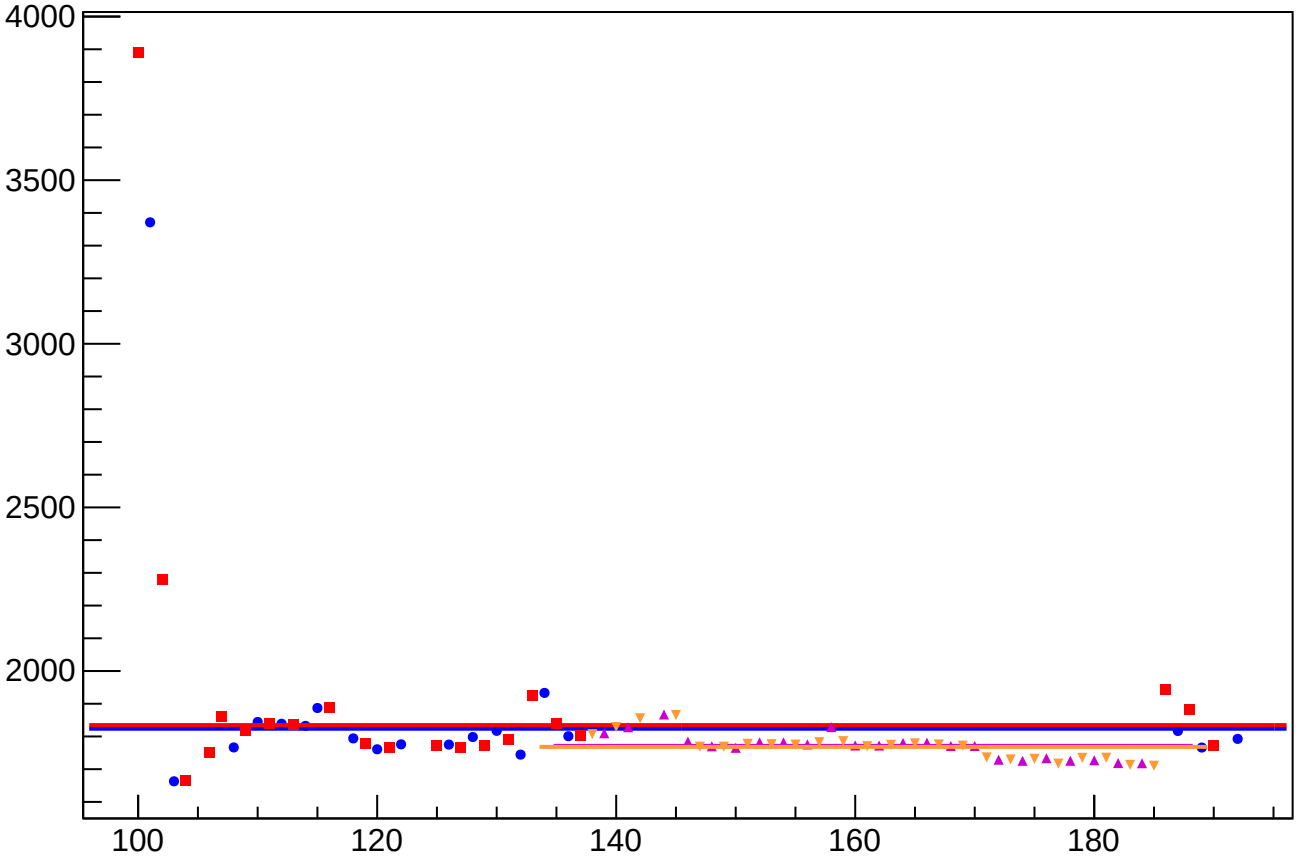
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -945.151+/-341.557 χ^2/NDF: 37.1/42

All: -282.964+/-242.250 χ^2/NDF: 83.6/86

- sign 387.317+/-343.638 χ^2/NDF: 38.9/43

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1823.666+/-0.436 χ^2/NDF: 297514.1/18

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

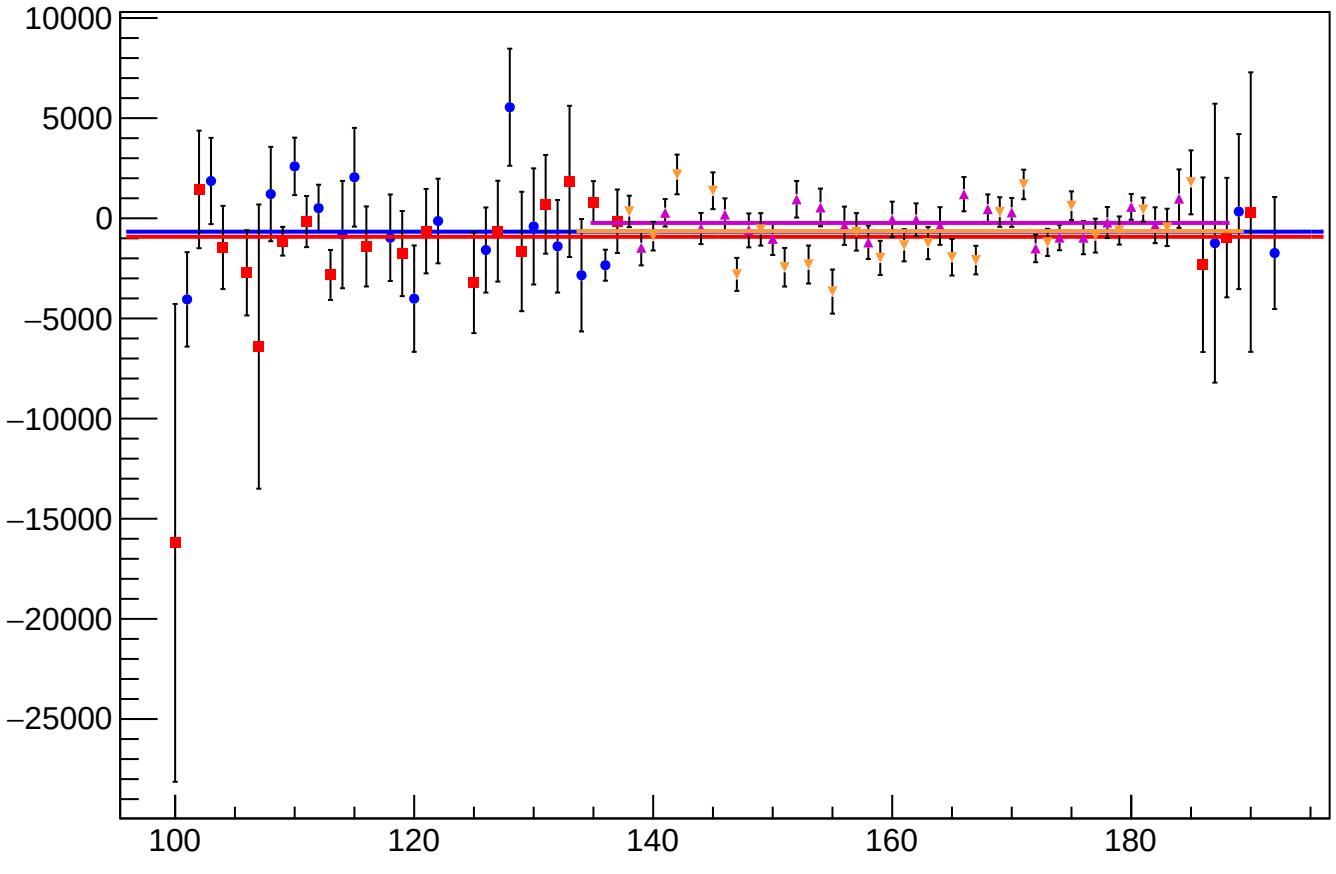
Right Out: 1834.727+/-0.437 χ^2/NDF: 107967.7/20

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.205+/-0.242 χ^2/NDF: 325134.1/42

All: 1788.032+/-0.171 χ^2/NDF: 464410.6/86

- sign 1790.894+/-0.243 χ^2/NDF: 139000.8/43



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

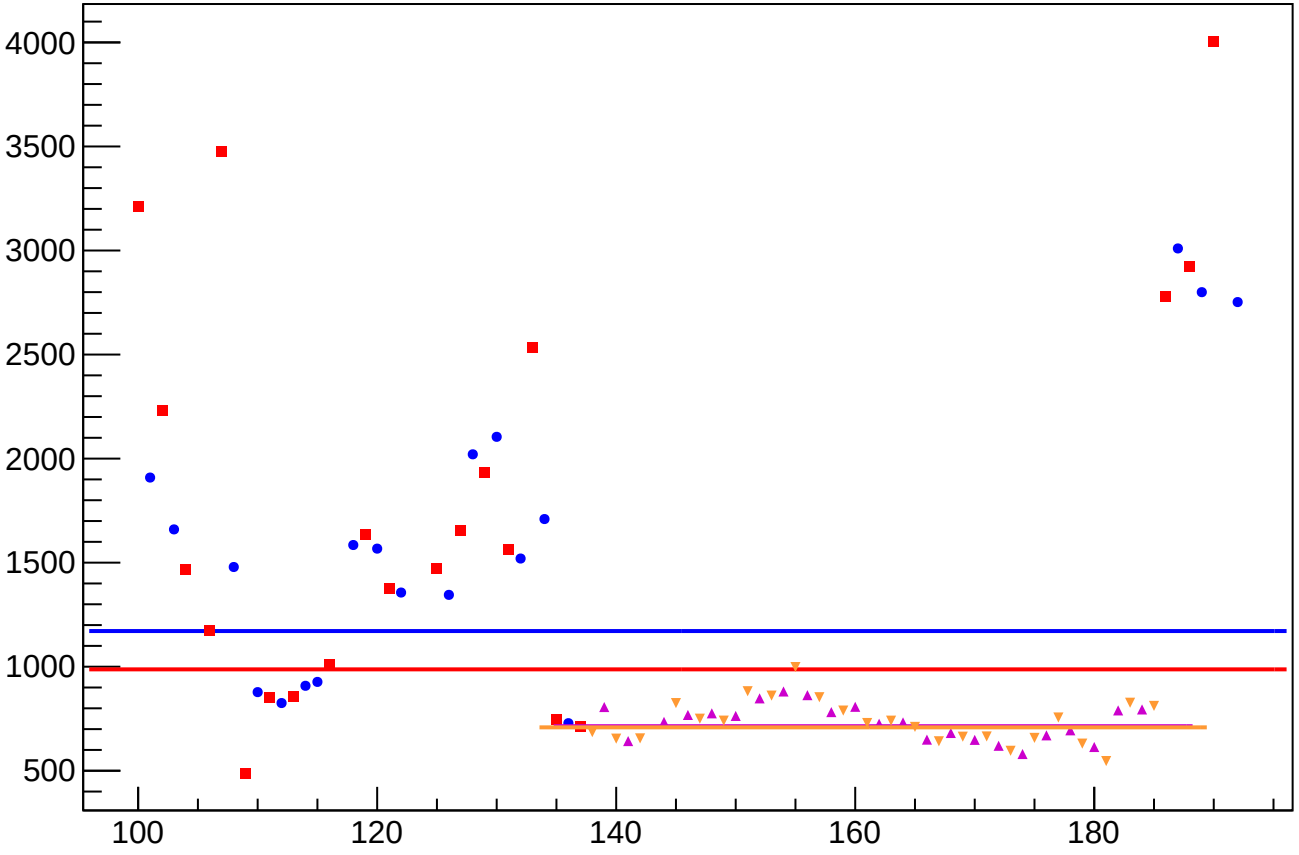
Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -644.471+/-155.371 χ^2/NDF: 90.1/42

All: -491.460+/-109.522 χ^2/NDF: 126.3/86

- sign -340.339+/-154.408 χ^2/NDF: 34.3/43

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



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

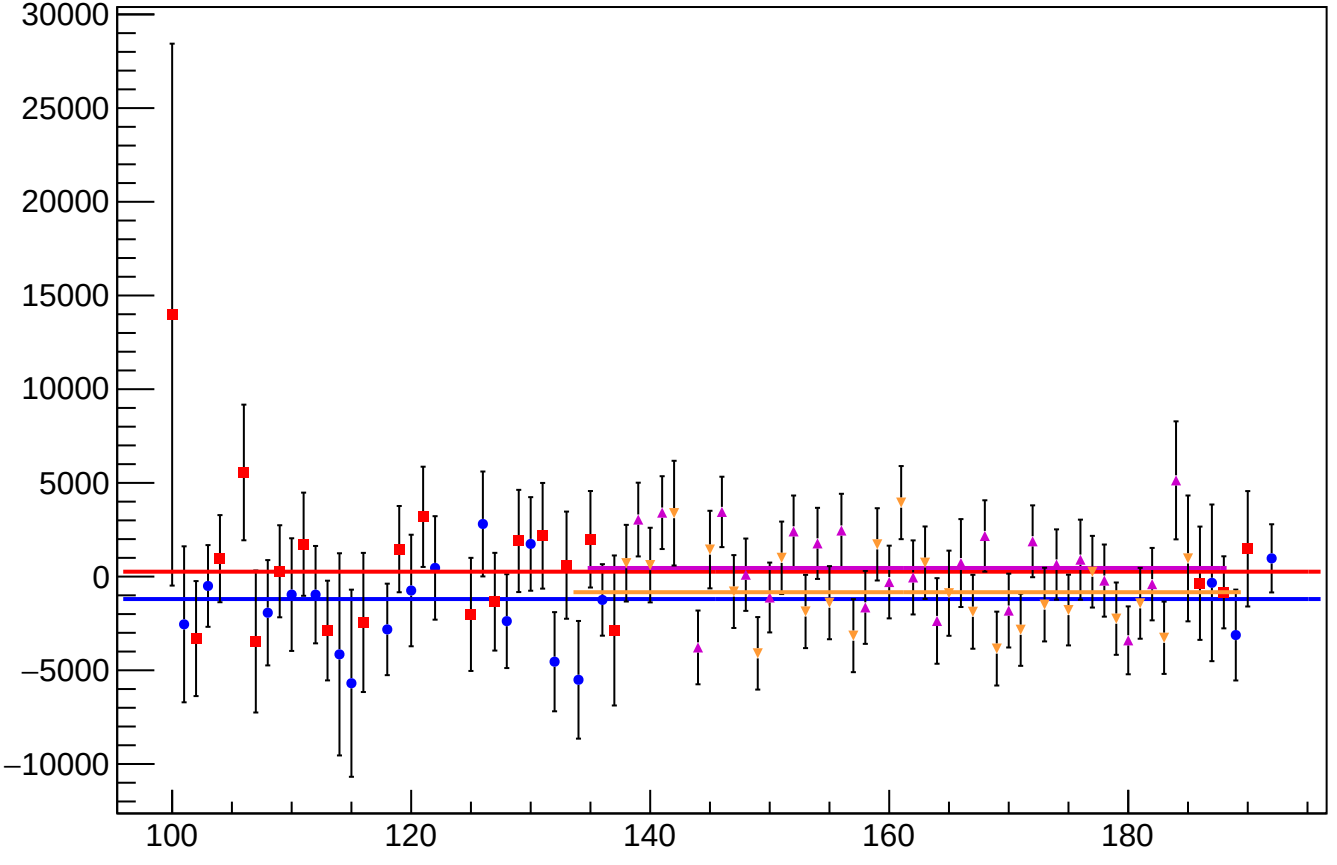
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 768.062+/-0.110 χ^2/NDF: 5748386.7/42

All: 762.712+/-0.077 χ^2/NDF: 11735161.4/86

- sign 757.428+/-0.109 χ^2/NDF: 5982061.2/43

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



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

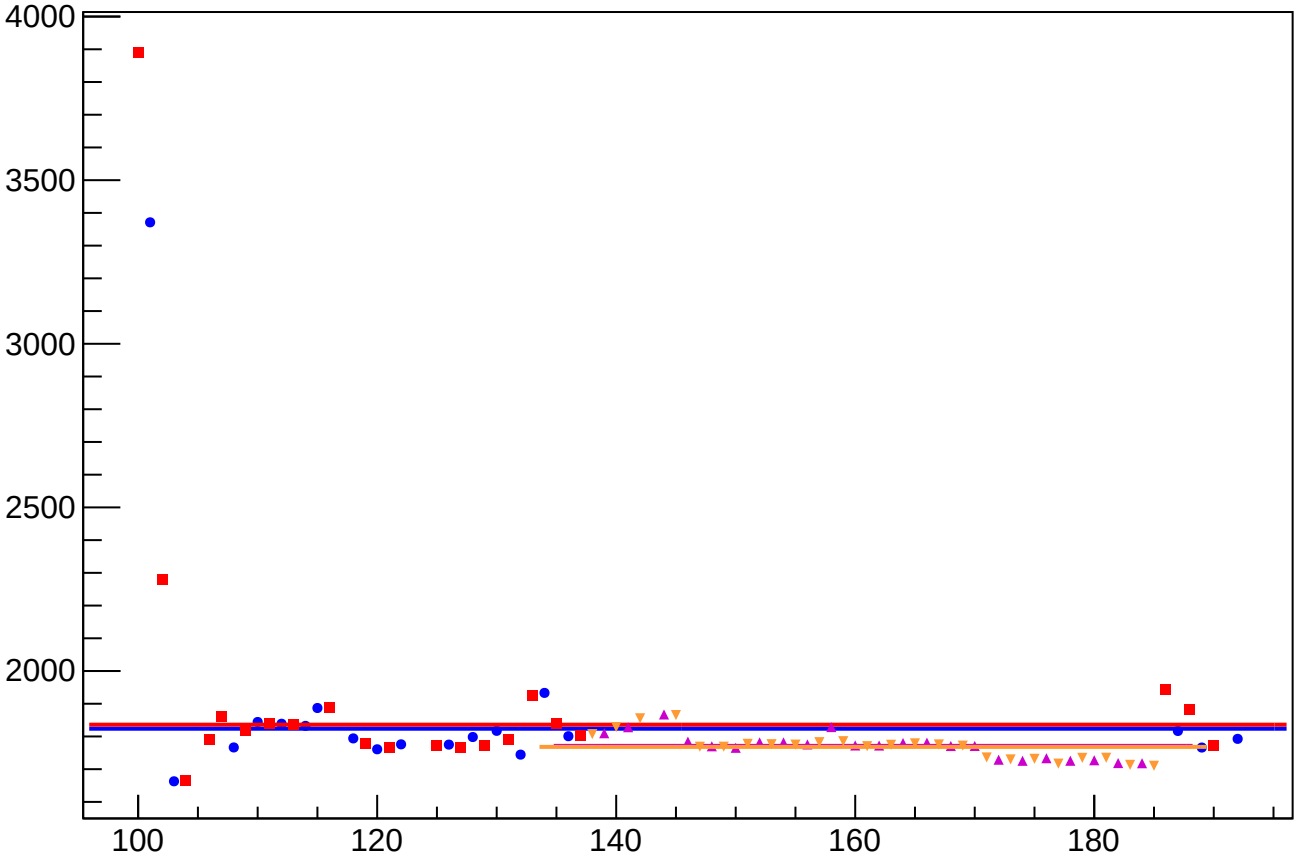
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -944.919+/-341.557 χ^2/NDF: 37.1/42

All: -277.504+/-242.273 χ^2/NDF: 84.7/86

- sign 398.329+/-343.704 χ^2/NDF: 39.8/43

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1823.666+/-0.436 χ^2/NDF: 297516.0/18

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

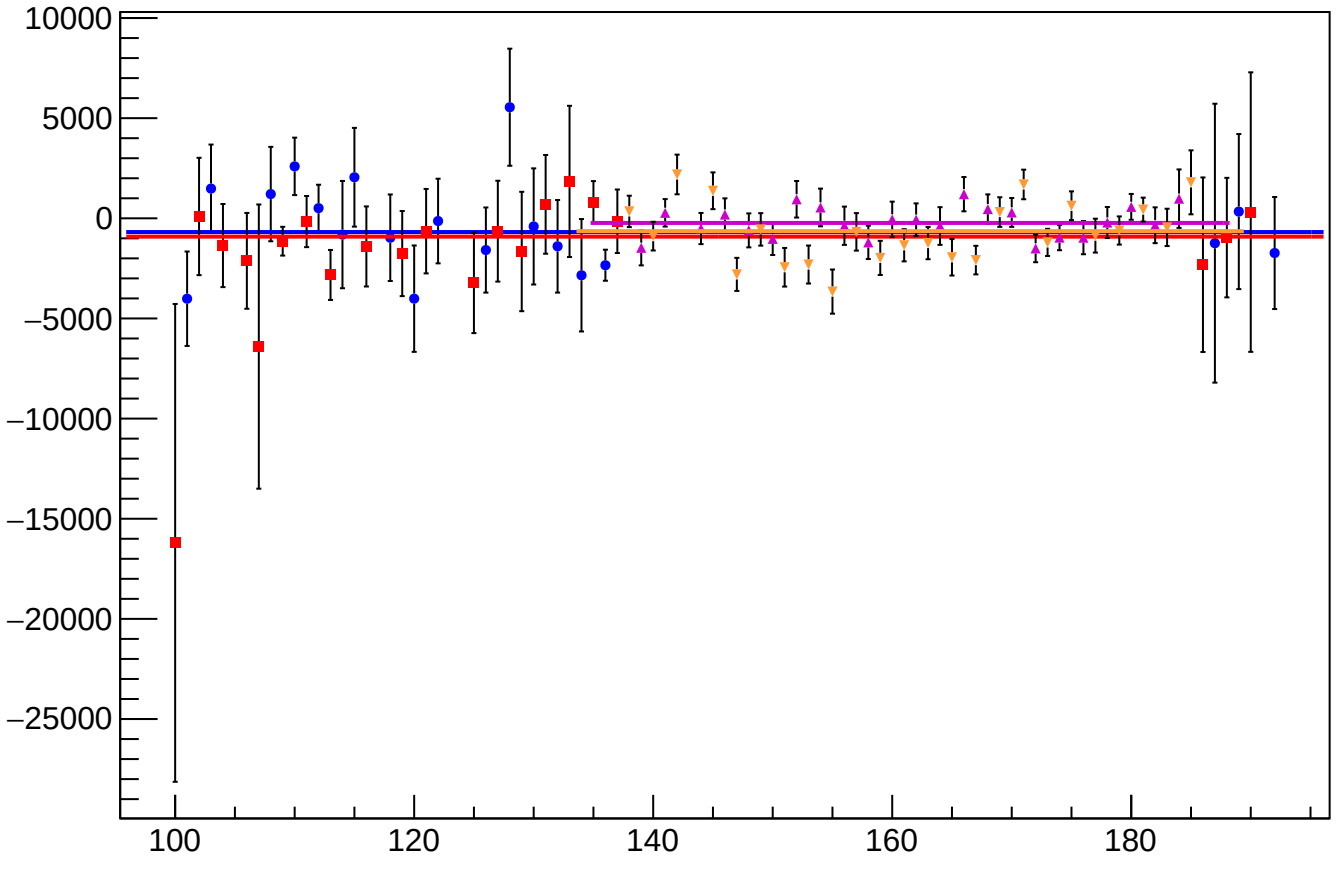
Right Out: 1836.022+/-0.437 χ^2/NDF: 107118.0/20

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.205+/-0.242 χ^2/NDF: 325135.9/42

All: 1788.222+/-0.171 χ^2/NDF: 464190.1/86

- sign 1791.278+/-0.243 χ^2/NDF: 138740.1/43



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

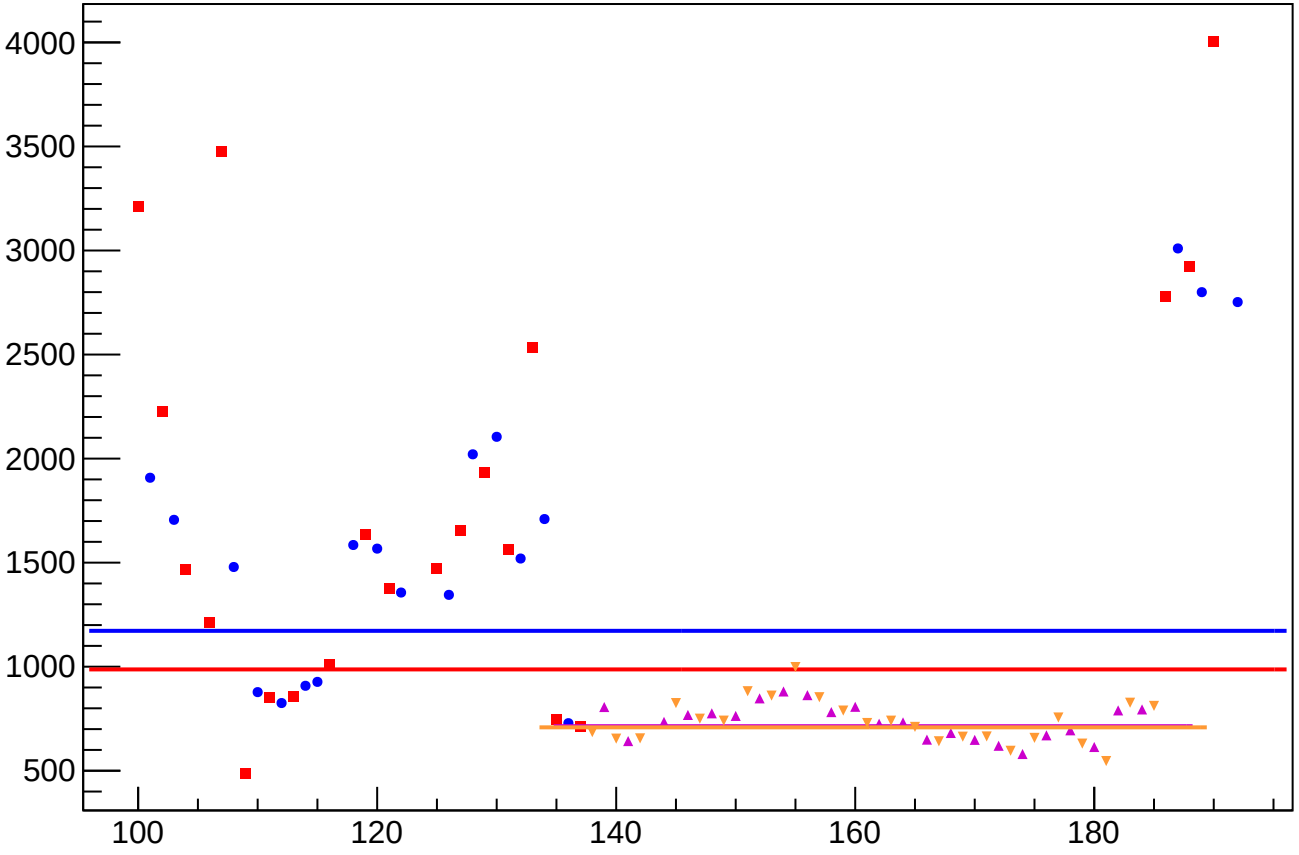
Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -646.740+/-155.388 χ^2/NDF: 89.7/42

All: -491.628+/-109.558 χ^2/NDF: 124.8/86

- sign -338.297+/-154.493 χ^2/NDF: 33.2/43

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1172.330+/-0.307 χ^2/NDF: 3072904.8/18

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

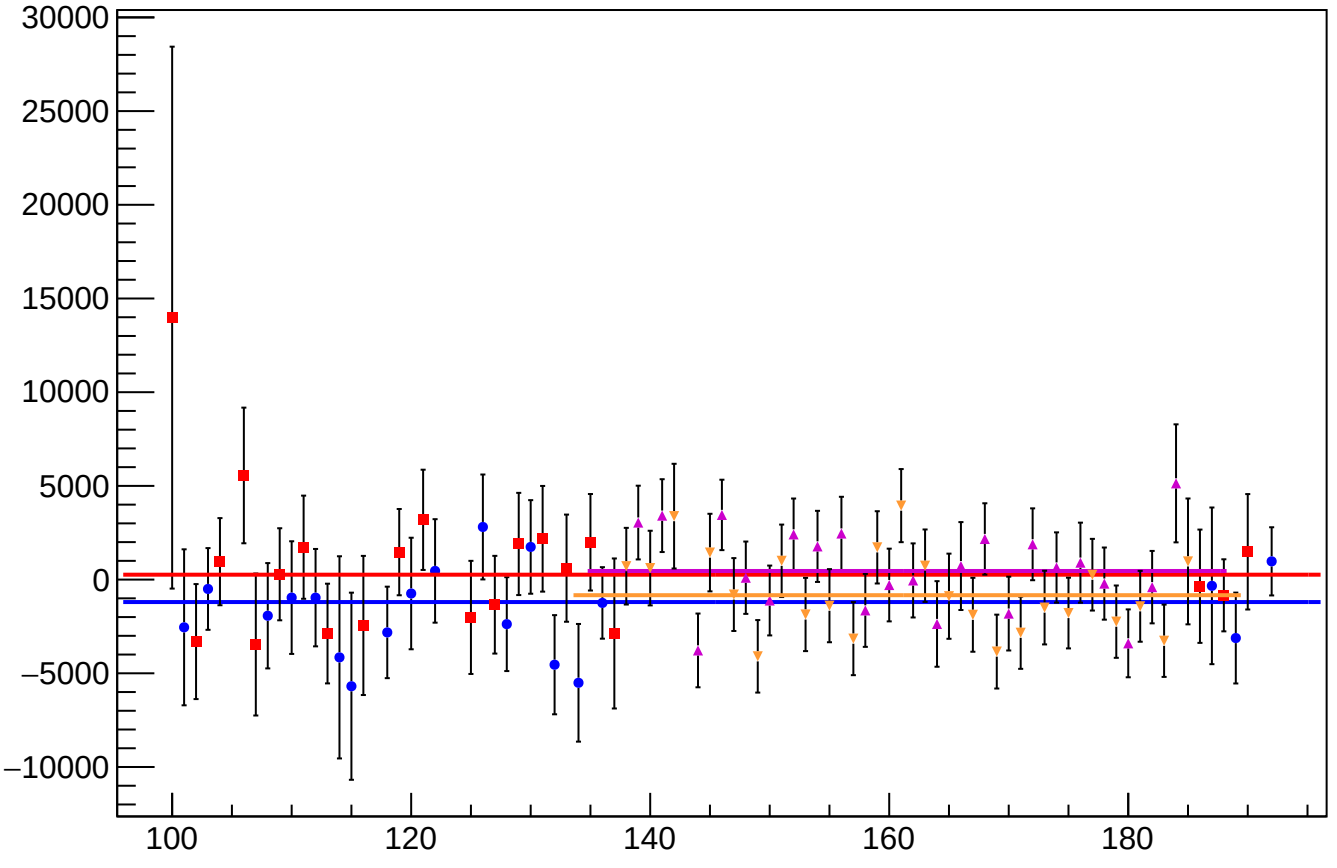
Right Out: 986.893+/-0.275 χ^2/NDF: 4651952.9/20

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 768.112+/-0.110 χ^2/NDF: 5768993.8/42

All: 762.592+/-0.077 χ^2/NDF: 11750432.3/86

- sign 757.135+/-0.109 χ^2/NDF: 5976419.8/43



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

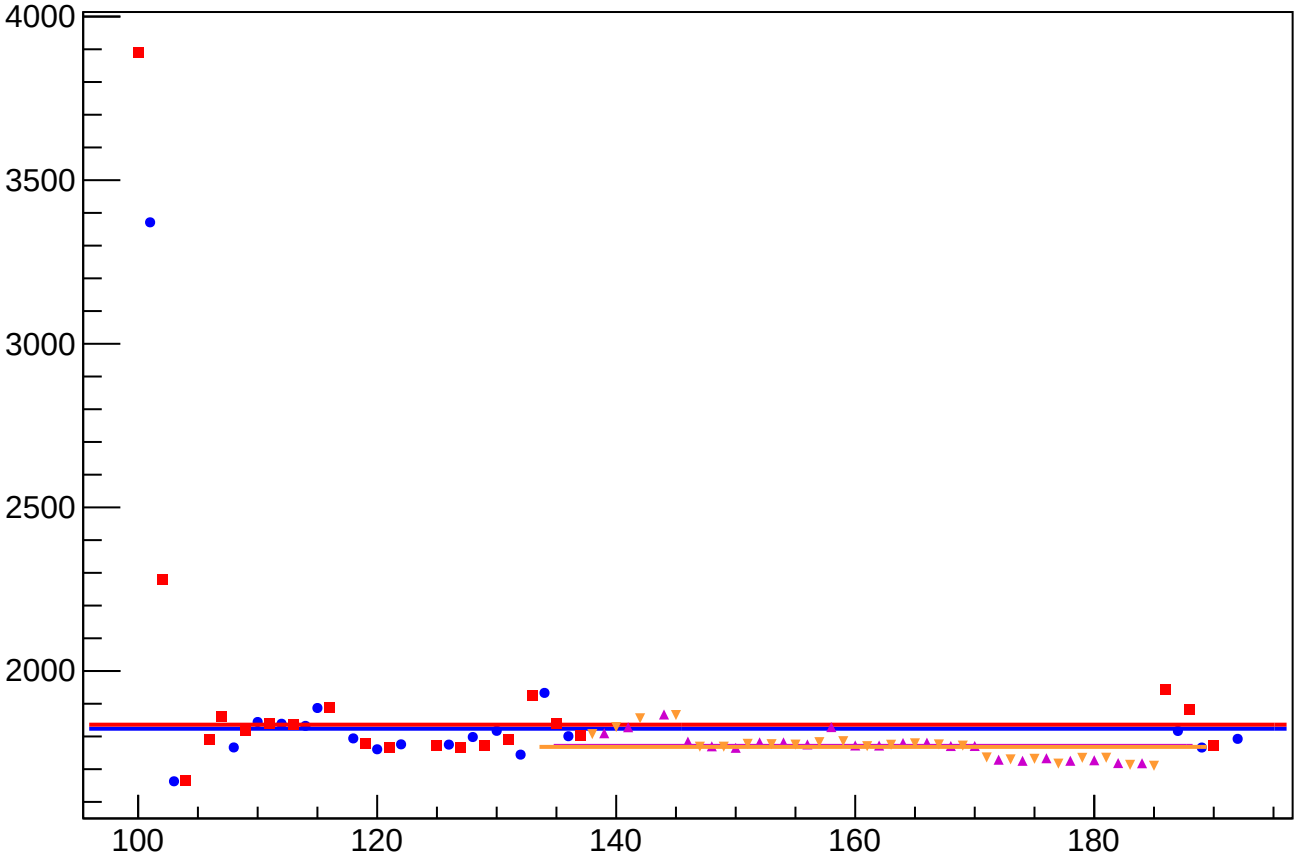
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -944.919+/-341.557 χ^2/NDF: 37.1/42

All: -277.504+/-242.273 χ^2/NDF: 84.7/86

- sign 398.329+/-343.704 χ^2/NDF: 39.8/43

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1823.666+/-0.436 χ^2/NDF: 297516.0/18

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

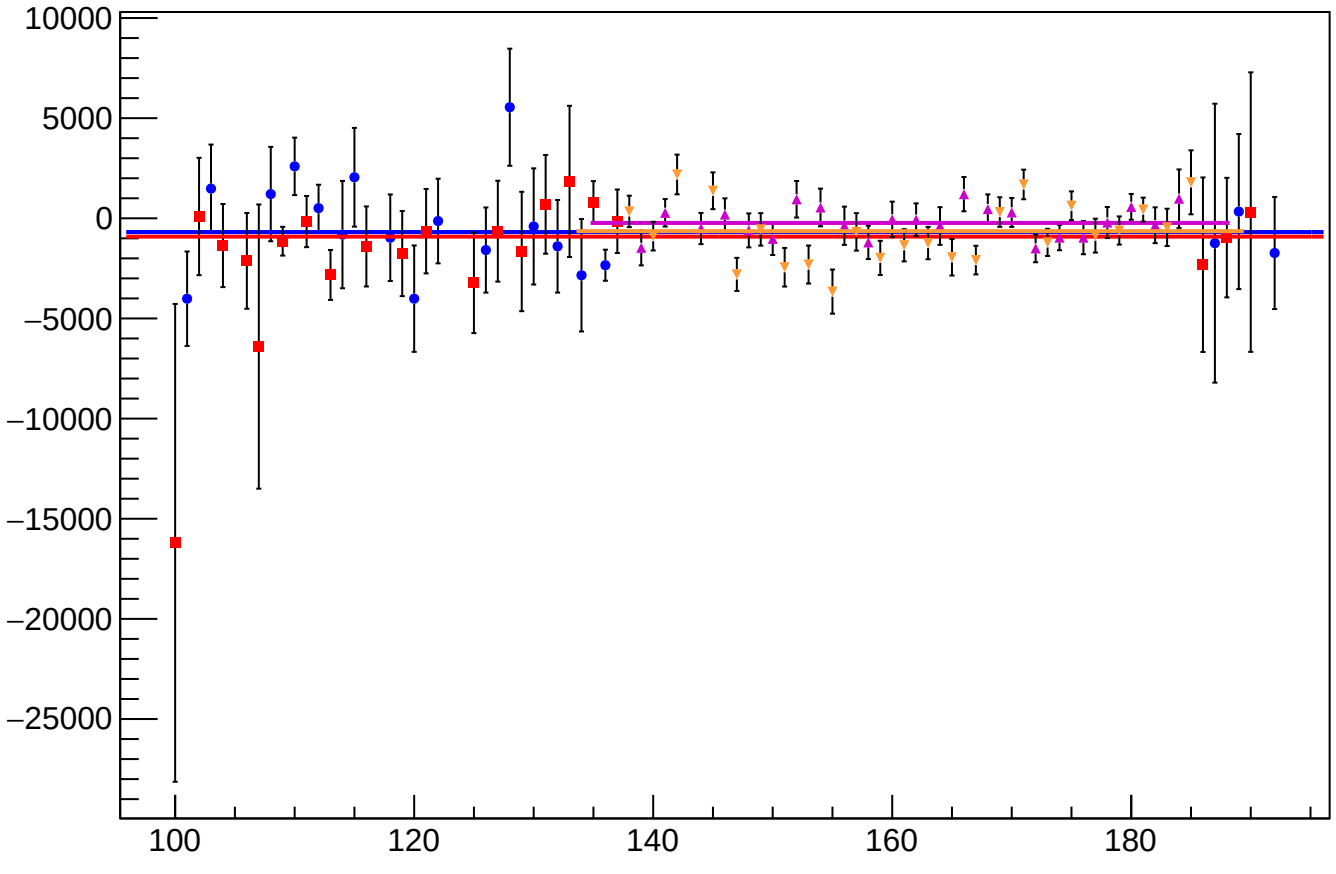
Right Out: 1836.022+/-0.437 χ^2/NDF: 107118.0/20

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.205+/-0.242 χ^2/NDF: 325135.9/42

All: 1788.222+/-0.171 χ^2/NDF: 464190.1/86

- sign 1791.278+/-0.243 χ^2/NDF: 138740.1/43



Right In: -685.637+/-433.468 χ^2/NDF: 23.0/18

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

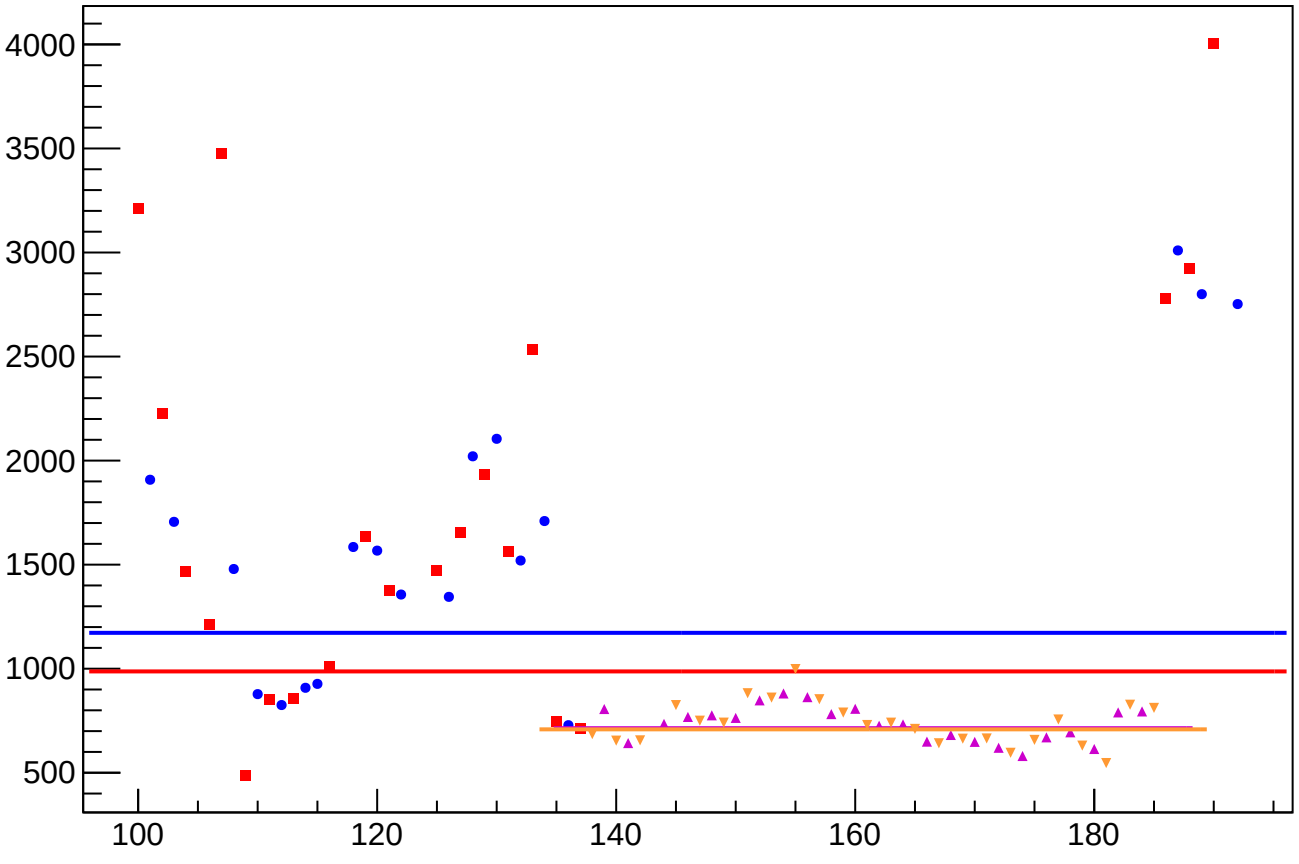
Right Out: -914.327+/-389.227 χ^2/NDF: 10.6/20

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -646.740+/-155.388 χ^2/NDF: 89.7/42

All: -491.628+/-109.558 χ^2/NDF: 124.8/86

- sign -338.297+/-154.493 χ^2/NDF: 33.2/43



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

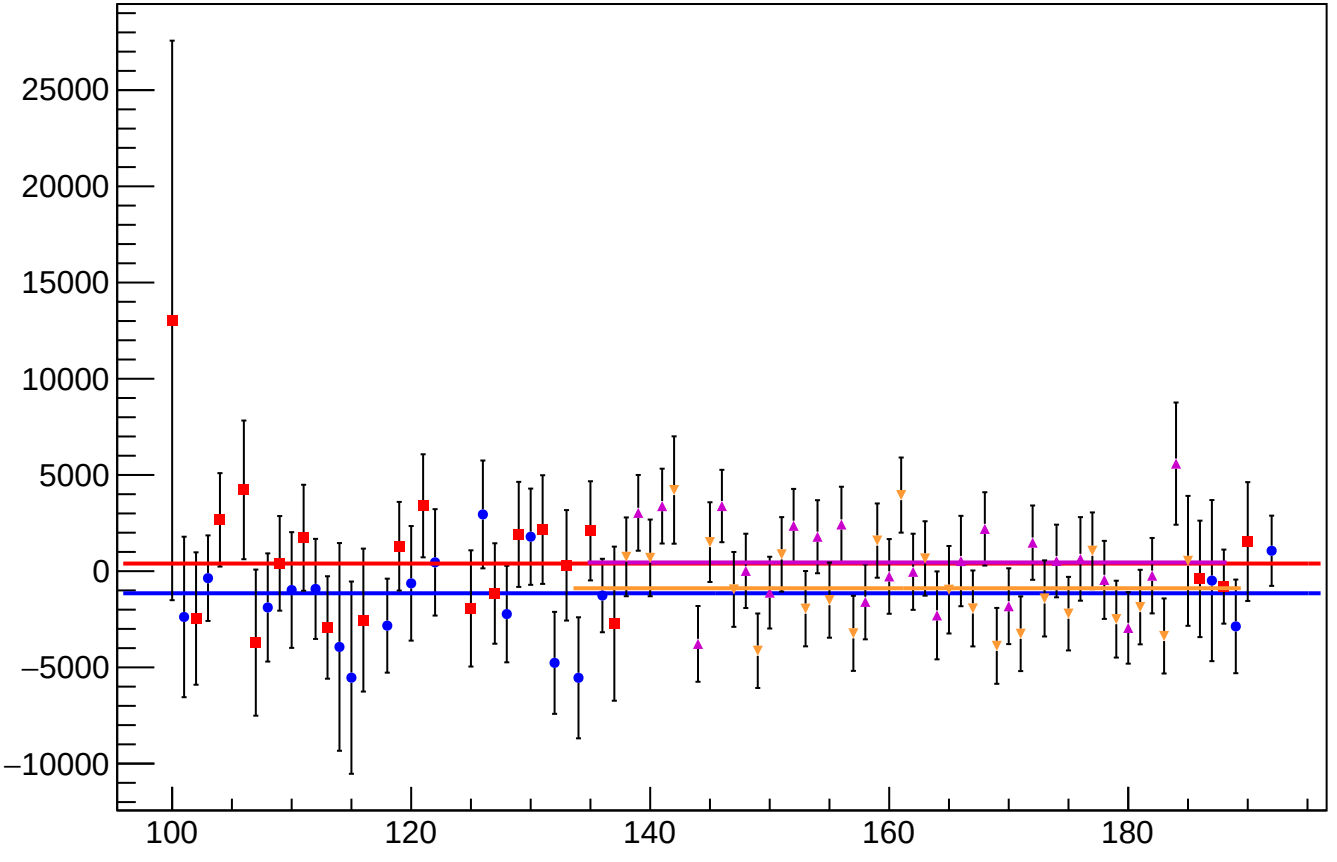
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 768.112+/-0.110 χ^2/NDF: 5768993.8/42

All: 762.592+/-0.077 χ^2/NDF: 11750432.3/86

- sign 757.135+/-0.109 χ^2/NDF: 5976419.8/43

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



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

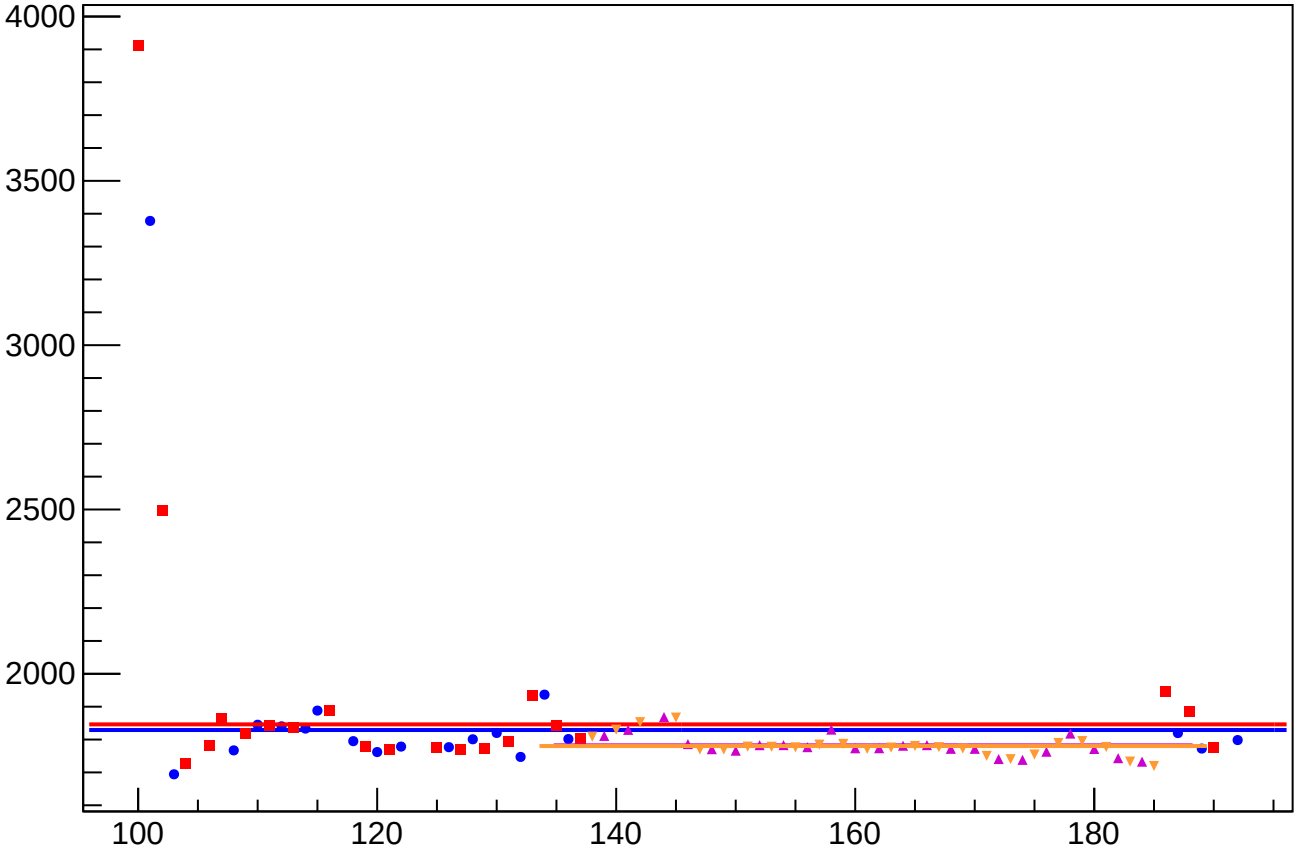
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -967.313+/-343.457 χ^2/NDF: 40.0/42

All: -271.192+/-243.766 χ^2/NDF: 85.8/86

- sign 435.406+/-346.032 χ^2/NDF: 37.6/43

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1828.980+/-0.437 χ^2/NDF: 293982.1/18

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

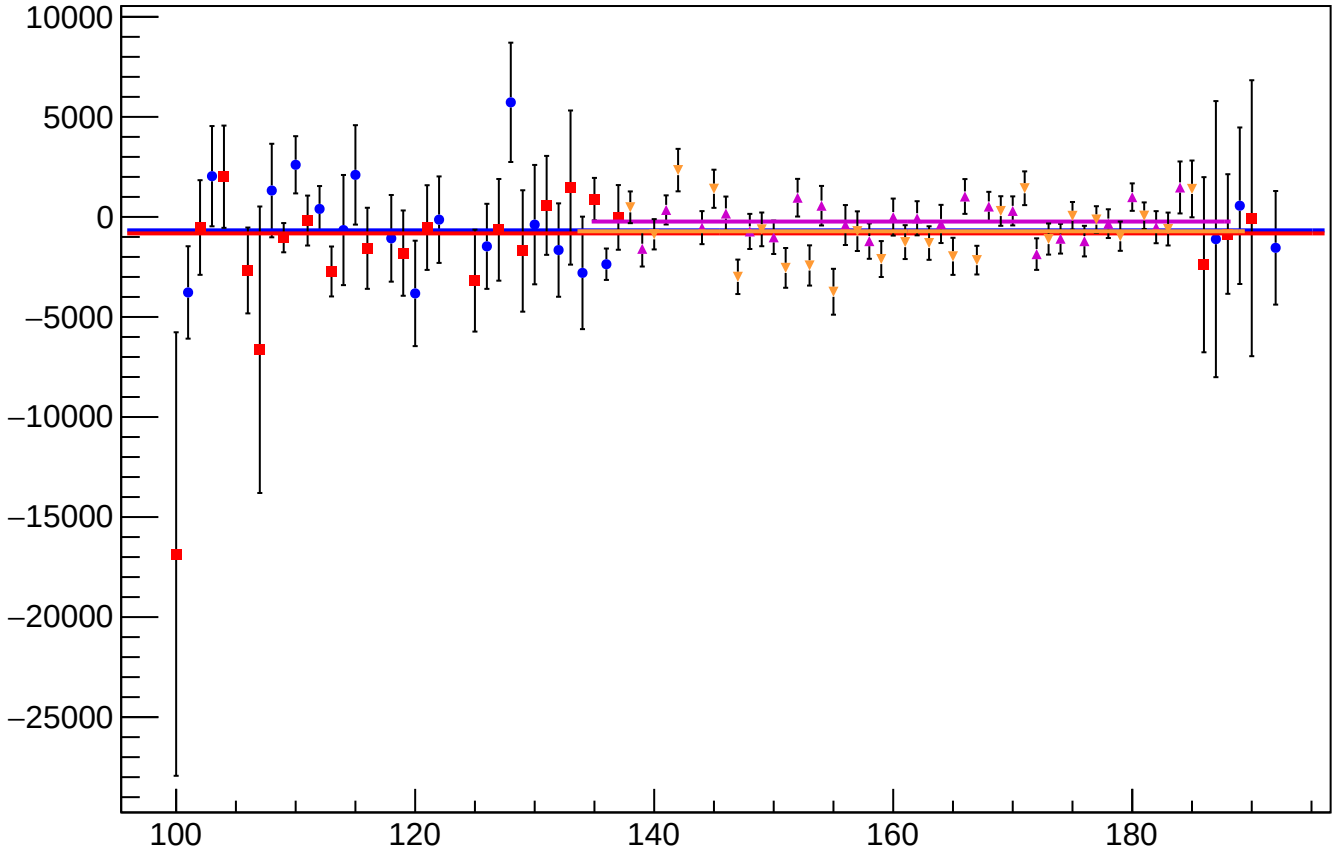
Right Out: 1846.175+/-0.440 χ^2/NDF: 132405.2/20

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.296+/-0.243 χ^2/NDF: 312971.7/42

All: 1798.633+/-0.172 χ^2/NDF: 471535.5/86

- sign 1802.021+/-0.245 χ^2/NDF: 158183.2/43



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

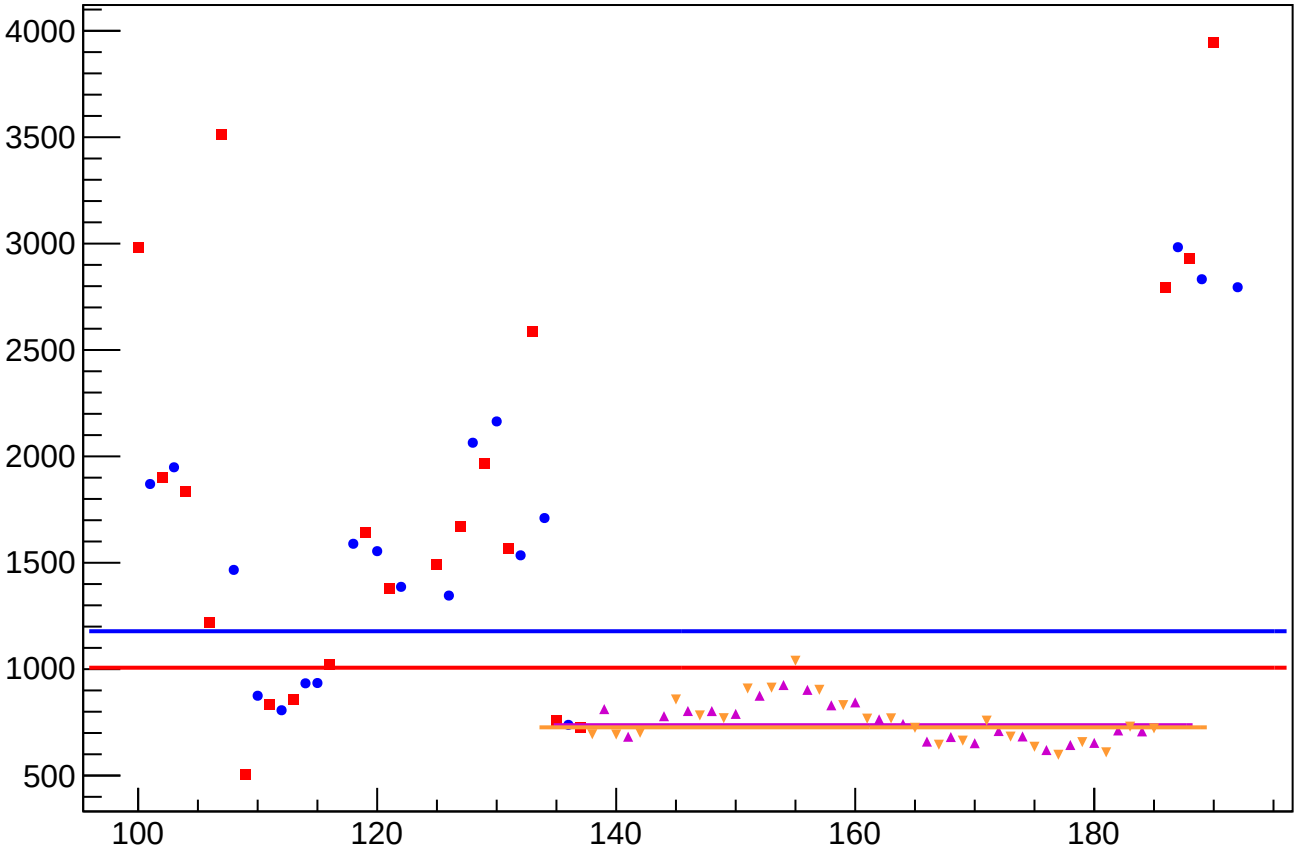
Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -710.548+/-158.914 χ^2/NDF: 82.3/42

All: -519.064+/-112.248 χ^2/NDF: 123.6/86

- sign -328.402+/-158.573 χ^2/NDF: 38.4/43

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1178.279+/-0.309 χ^2/NDF: 3164276.4/18

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

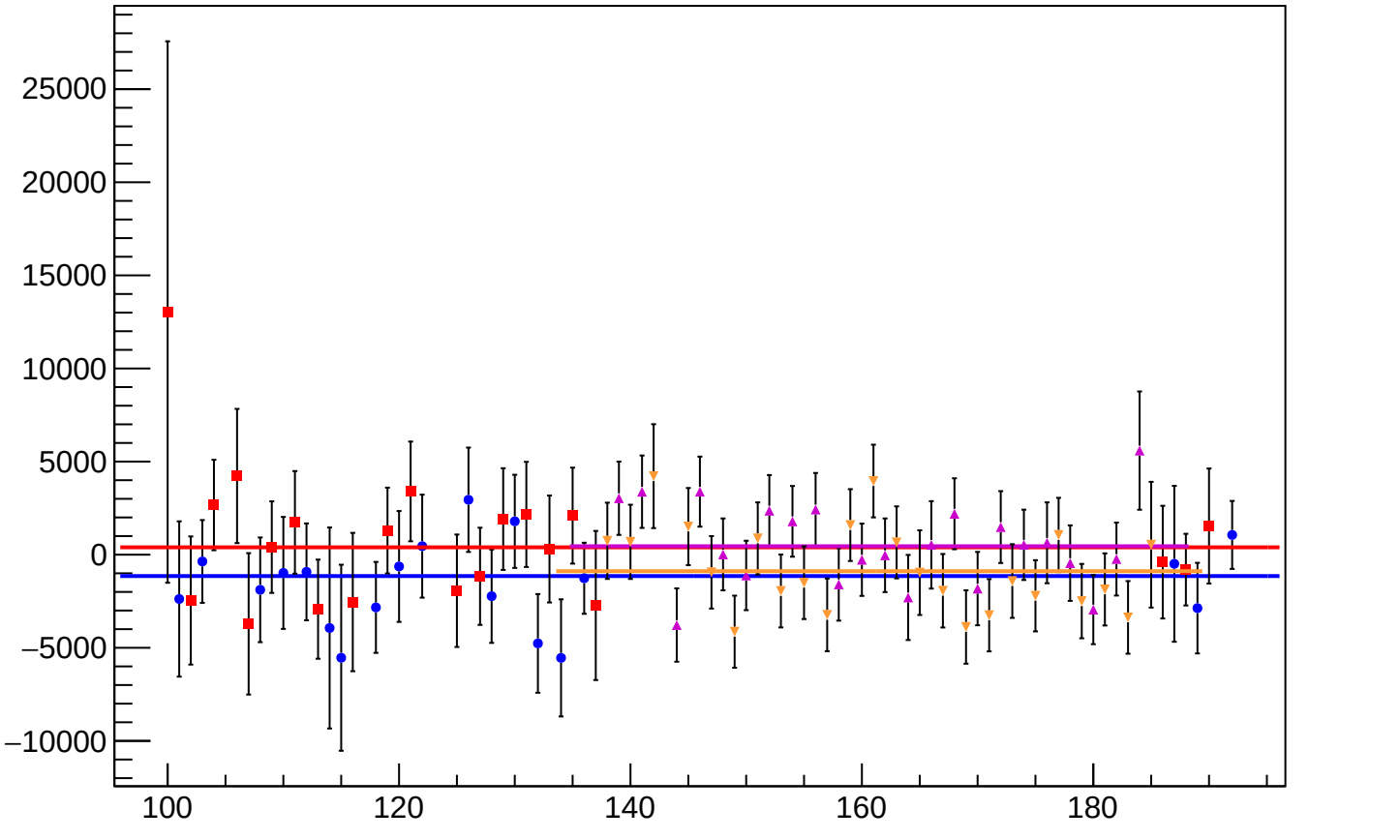
Right Out: 1006.823+/-0.277 χ^2/NDF: 4619234.7/20

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

\+ sign 786.373+/-0.112 χ^2/NDF: 5704113.3/42

All: 783.691+/-0.079 χ^2/NDF: 11585357.3/86

\- sign 781.021+/-0.112 χ^2/NDF: 5880107.6/43



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

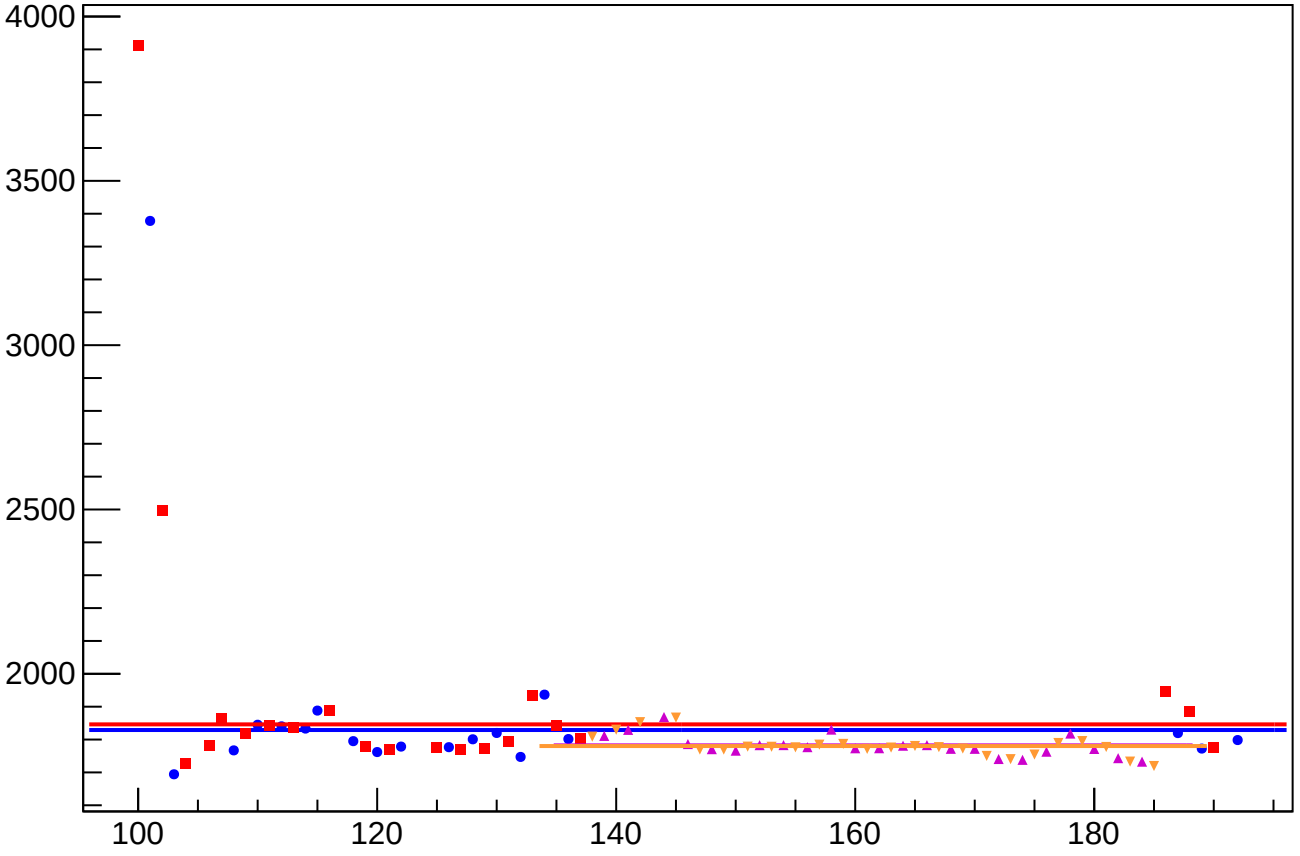
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -967.313+/-343.457 χ^2/NDF: 40.0/42

All: -271.192+/-243.766 χ^2/NDF: 85.8/86

- sign 435.406+/-346.032 χ^2/NDF: 37.6/43

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1828.980+/-0.437 χ^2/NDF: 293982.1/18

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

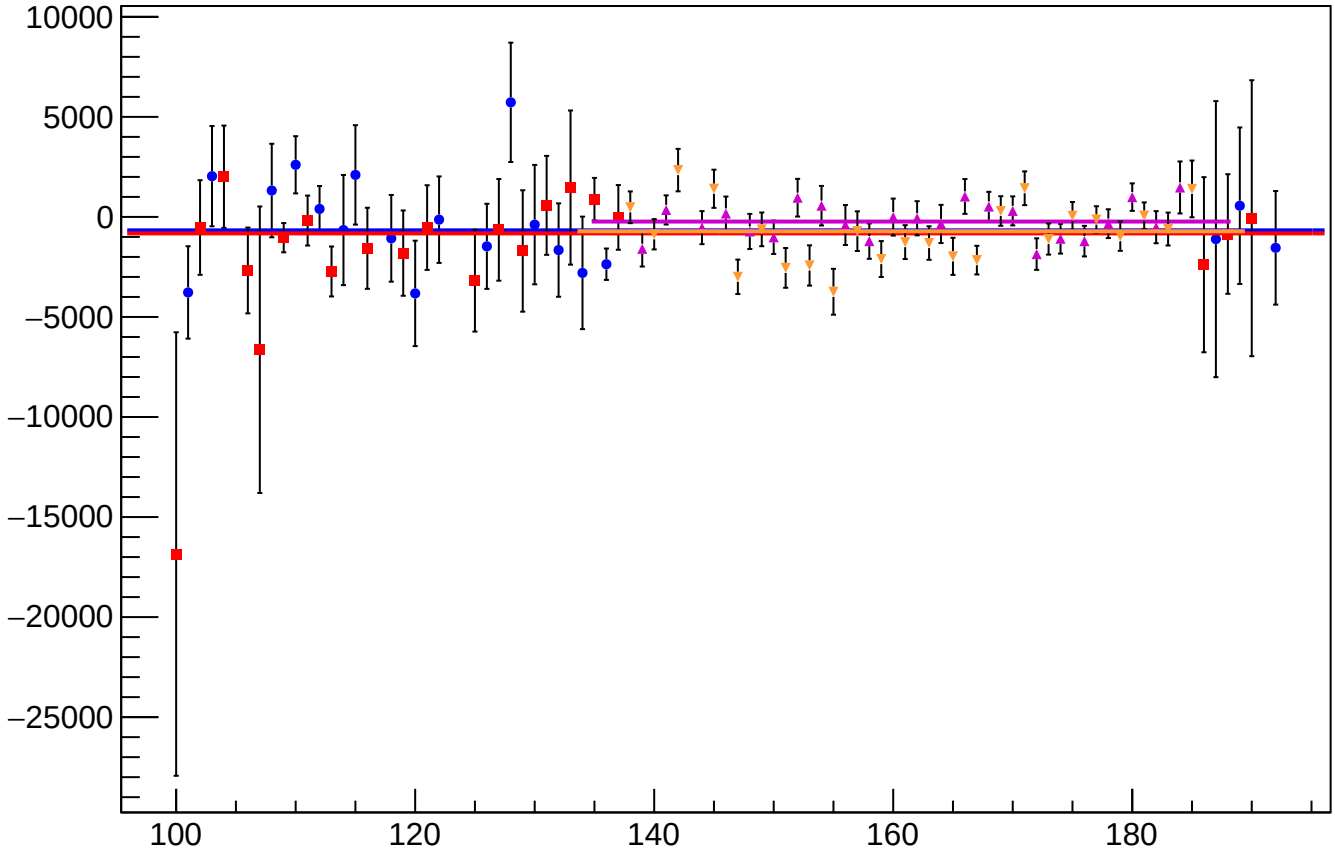
Right Out: 1846.175+/-0.440 χ^2/NDF: 132405.2/20

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.296+/-0.243 χ^2/NDF: 312971.8/42

All: 1798.633+/-0.172 χ^2/NDF: 471535.7/86

- sign 1802.021+/-0.245 χ^2/NDF: 158183.4/43



Right In: -670.853+/-436.858 χ^2/NDF: 23.0/18

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

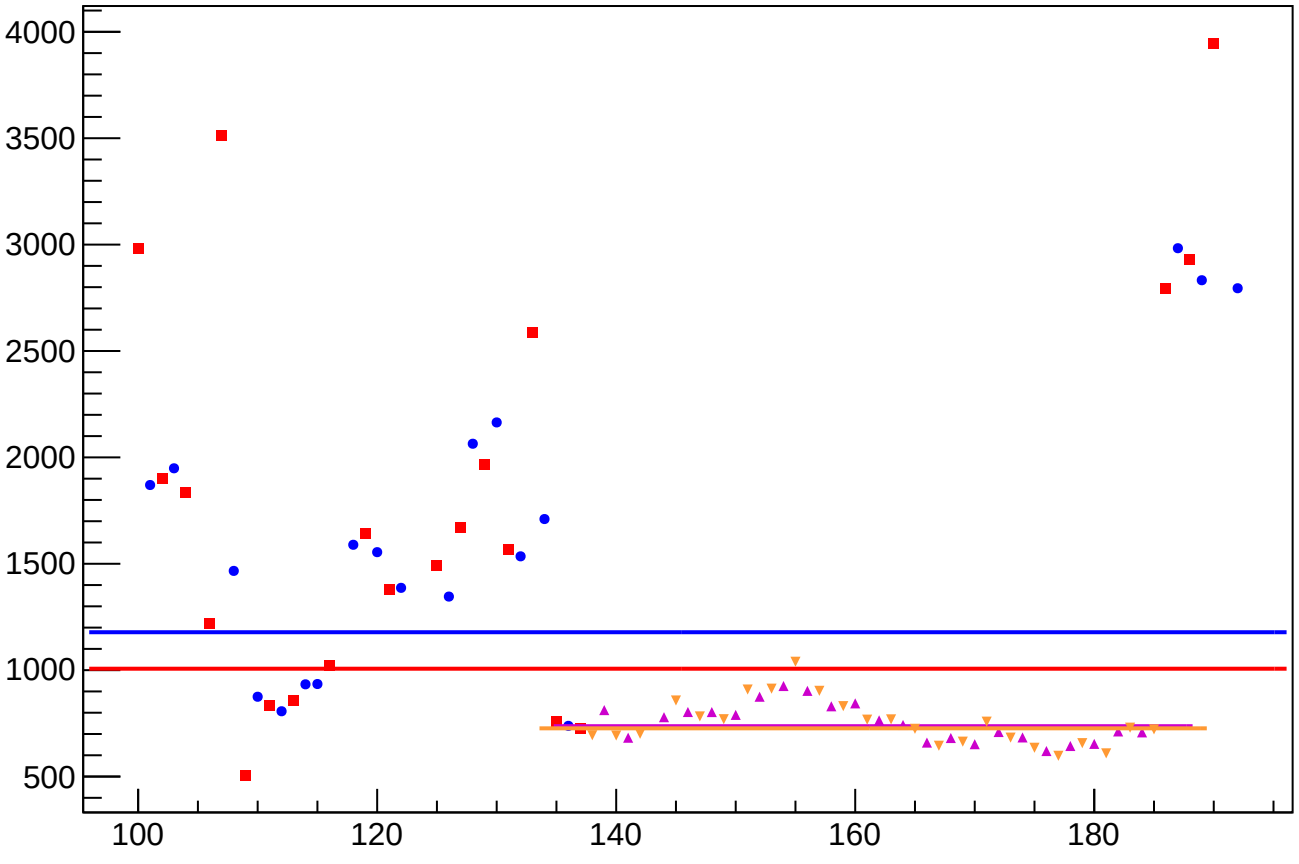
Right Out: -823.111+/-391.509 χ^2/NDF: 12.4/20

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -710.547+/-158.914 χ^2/NDF: 82.3/42

All: -519.063+/-112.248 χ^2/NDF: 123.6/86

- sign -328.401+/-158.573 χ^2/NDF: 38.4/43



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

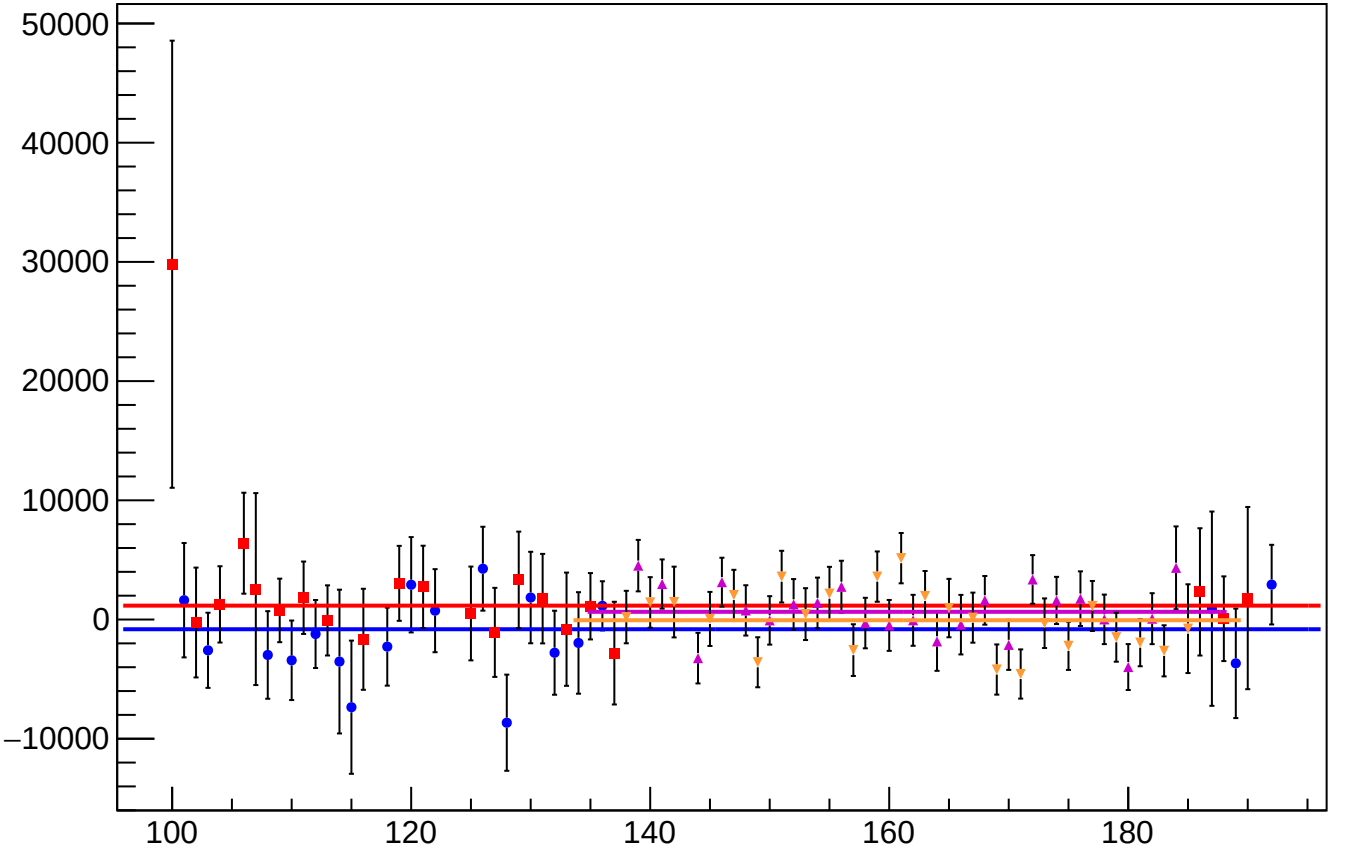
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 786.373+/-0.112 χ^2/NDF: 5704081.6/42

All: 783.691+/-0.079 χ^2/NDF: 11585324.5/86

- sign 781.021+/-0.112 χ^2/NDF: 5880106.1/43

asym_us_dd_atlr_dd_avg_mean vs Slug



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

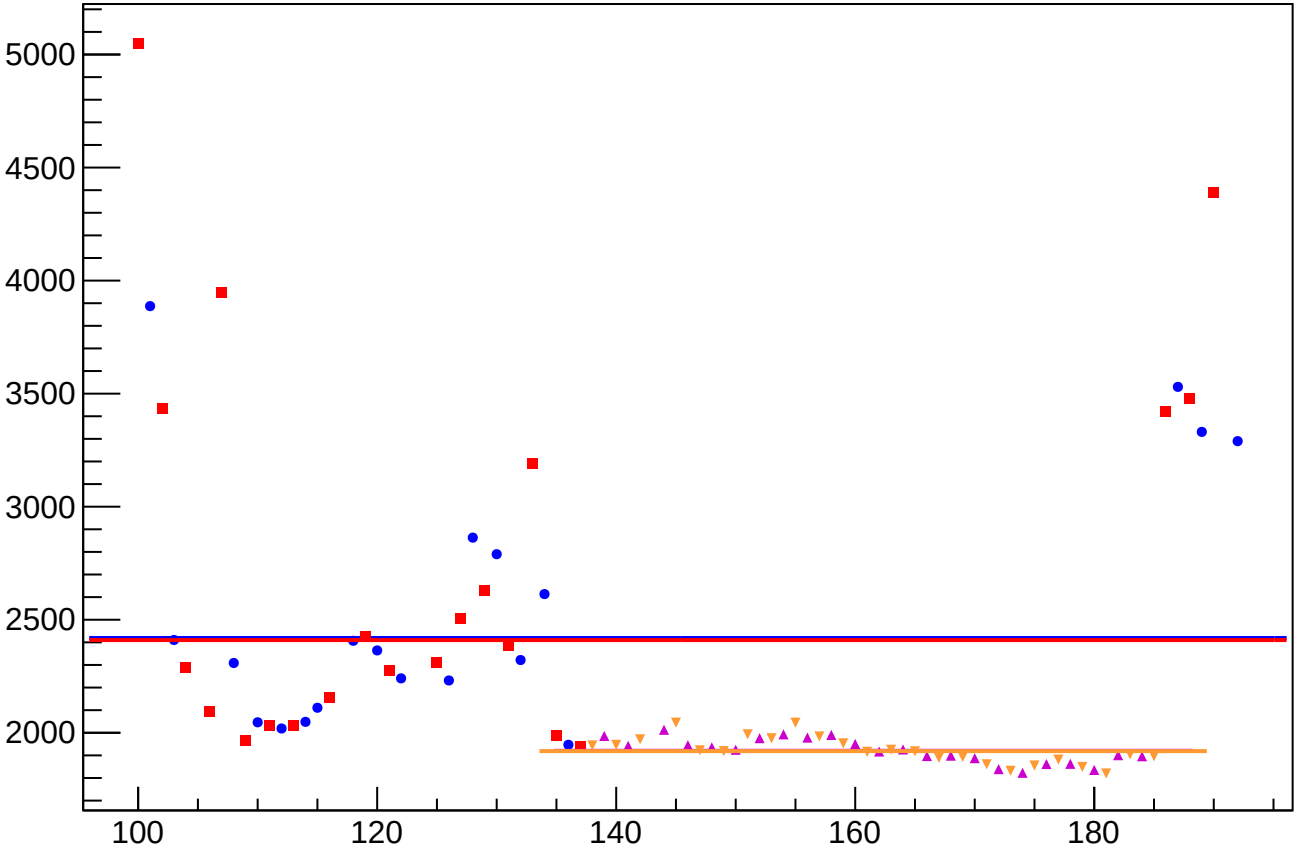
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -229.573+/-392.296 χ^2/NDF: 47.3/42

All: 264.305+/-278.211 χ^2/NDF: 81.6/86

- sign 764.036+/-394.614 χ^2/NDF: 31.1/43

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2419.095+/-0.585 χ^2/NDF: 683698.8/18

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

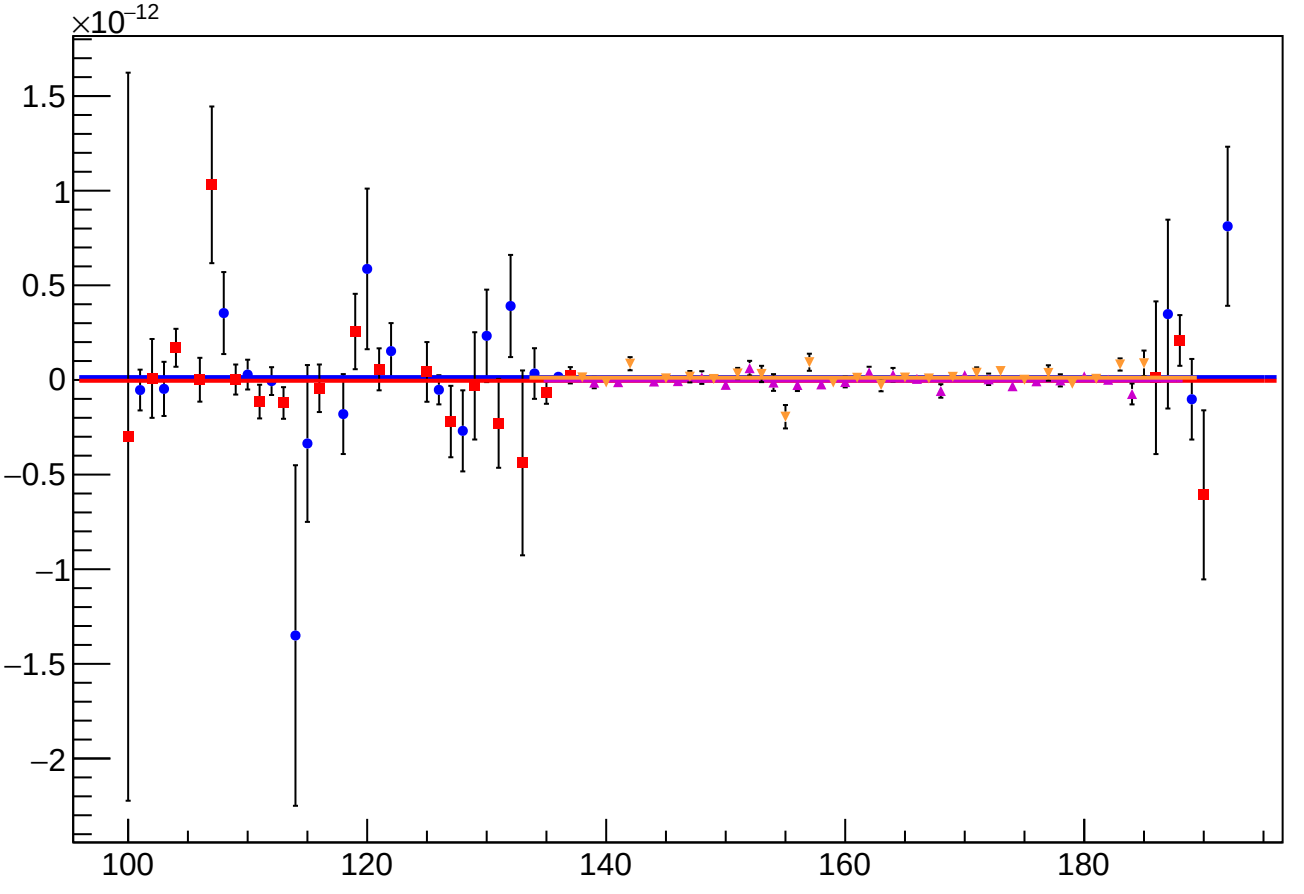
Right Out: 2410.012+/-0.587 χ^2/NDF: 876353.3/20

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2031.474+/-0.277 χ^2/NDF: 1285979.2/42

All: 2031.192+/-0.197 χ^2/NDF: 2731214.4/86

- sign 2030.906+/-0.279 χ^2/NDF: 1445233.2/43



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

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

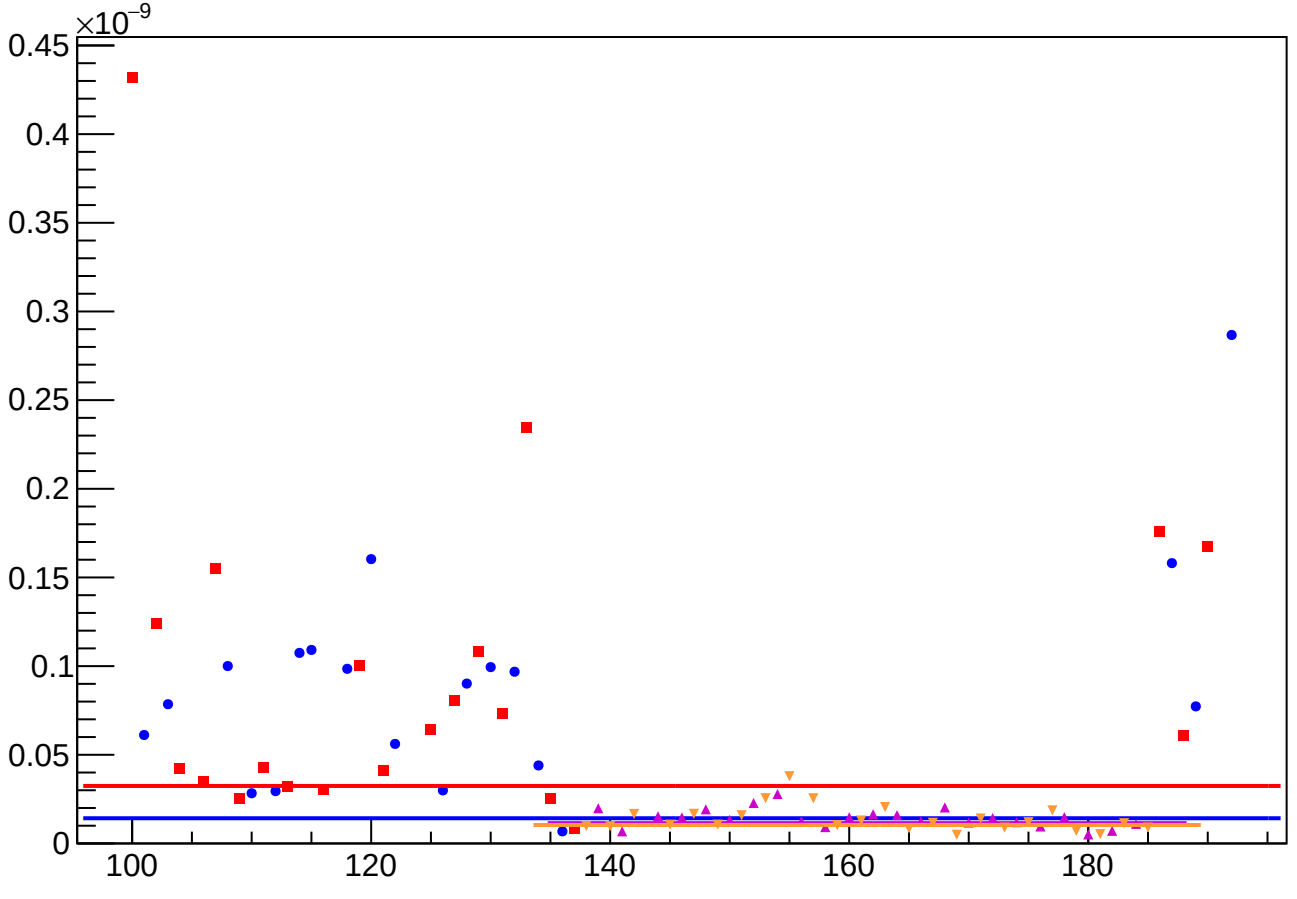
Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/20

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.5/42

All: 0.000+/-0.000 χ^2/NDF: 106.2/86

- sign -0.000+/-0.000 χ^2/NDF: 43.5/43



Right In: 0.000+/-0.000 χ^2/NDF: 4603681.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

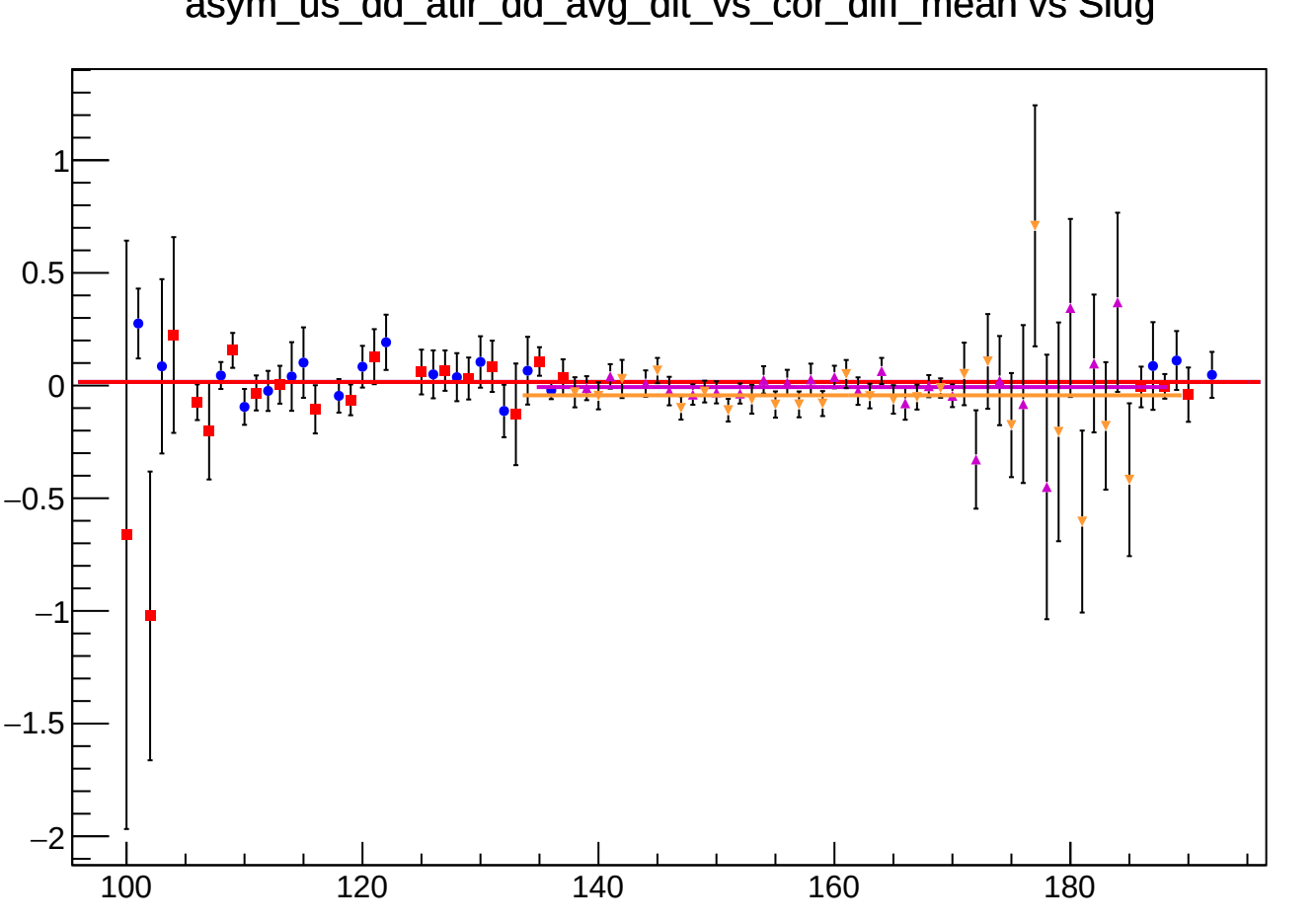
Right Out: 0.000+/-0.000 χ^2/NDF: 2886380.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6812070.9/42

All: 0.000+/-0.000 χ^2/NDF: 13208858.5/86

- sign 0.000+/-0.000 χ^2/NDF: 6285823.8/43



Right In: 0.016+/-0.021 χ^2/NDF: 12.5/18

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

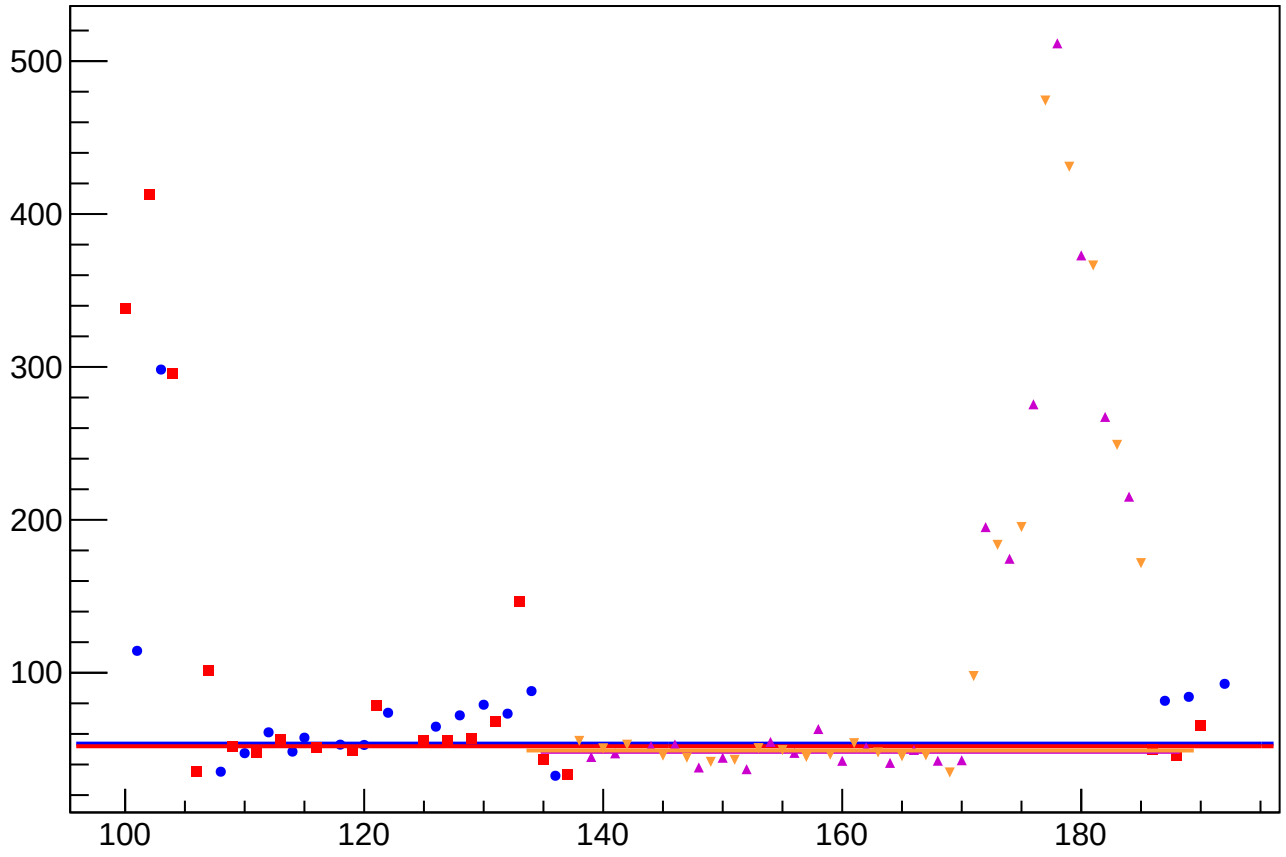
Right Out: 0.016+/-0.020 χ^2/NDF: 16.5/20

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.025+/-0.012 χ^2/NDF: 37.0/42

All: -0.012+/-0.008 χ^2/NDF: 68.0/86

- sign 0.000+/-0.011 χ^2/NDF: 28.6/43



Right In: 53.651+/-0.015 χ^2/NDF: 2748815.6/18

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

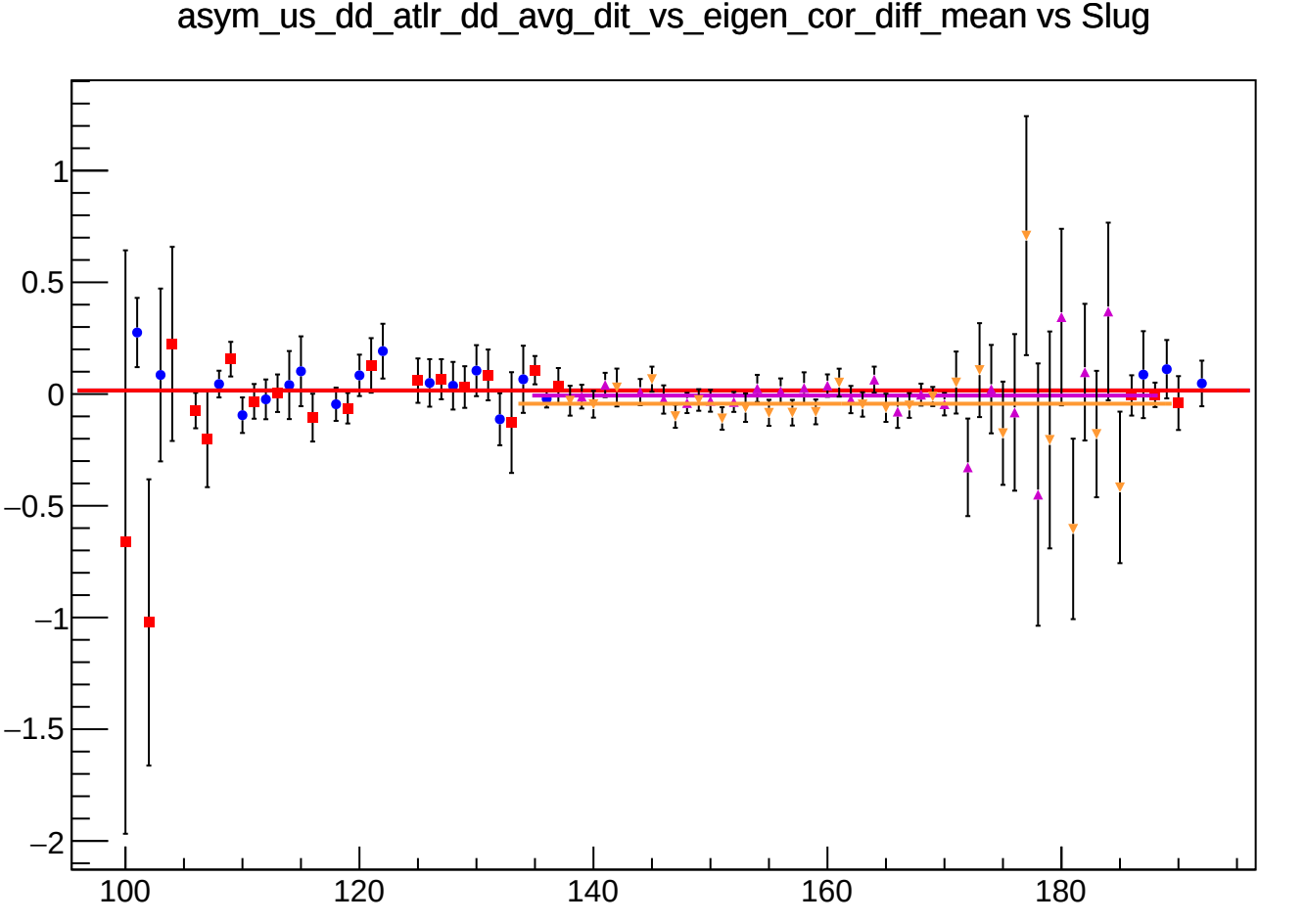
Right Out: 51.942+/-0.014 χ^2/NDF: 2266281.7/20

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 50.545+/-0.008 χ^2/NDF: 10062007.6/42

All: 49.964+/-0.006 χ^2/NDF: 19422786.0/86

- sign 49.415+/-0.008 χ^2/NDF: 9351026.4/43



Right In: 0.016+/-0.021 χ^2/NDF: 12.5/18

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

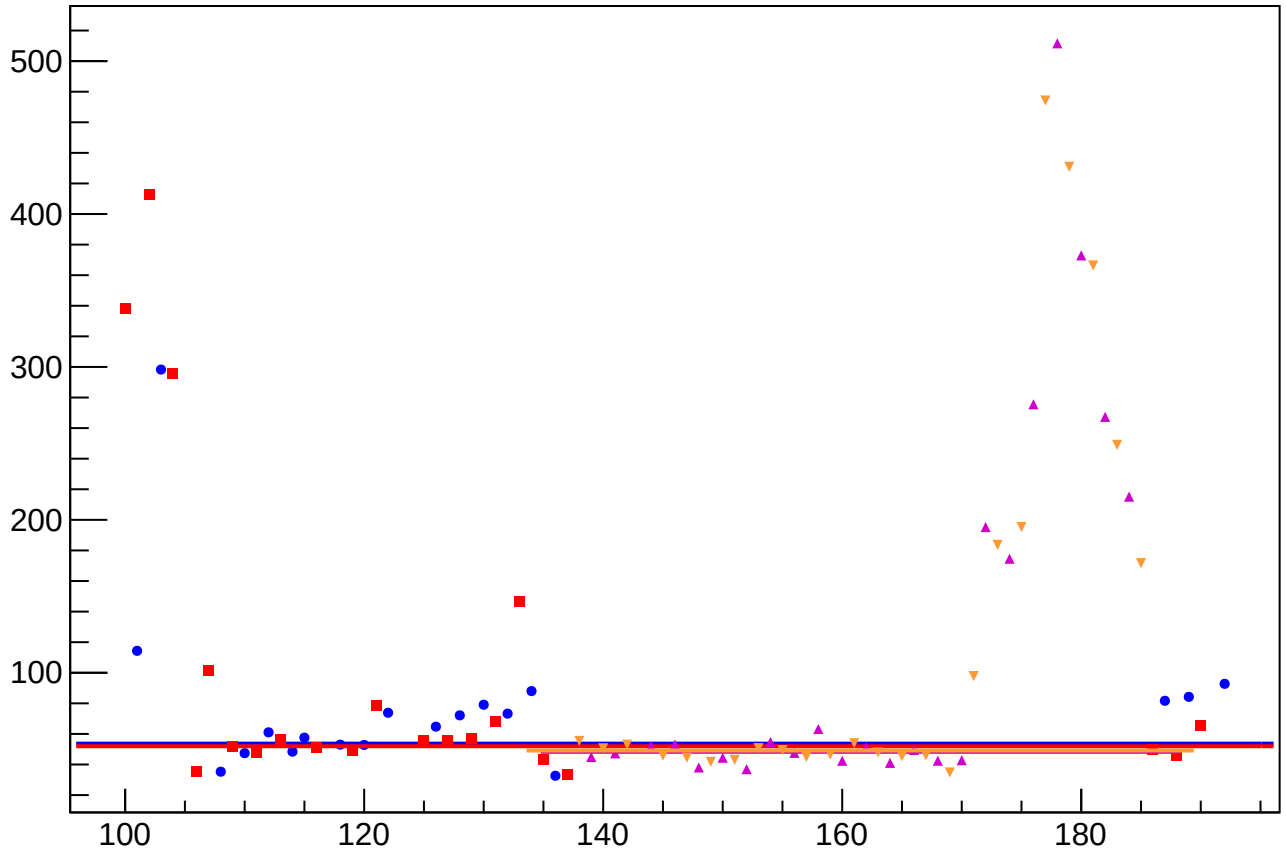
Right Out: 0.016+/-0.020 χ^2/NDF: 16.5/20

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.025+/-0.012 χ^2/NDF: 37.0/42

All: -0.012+/-0.008 χ^2/NDF: 68.0/86

- sign 0.000+/-0.011 χ^2/NDF: 28.6/43



Right In: 53.651+/-0.015 χ^2/NDF: 2748815.6/18

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

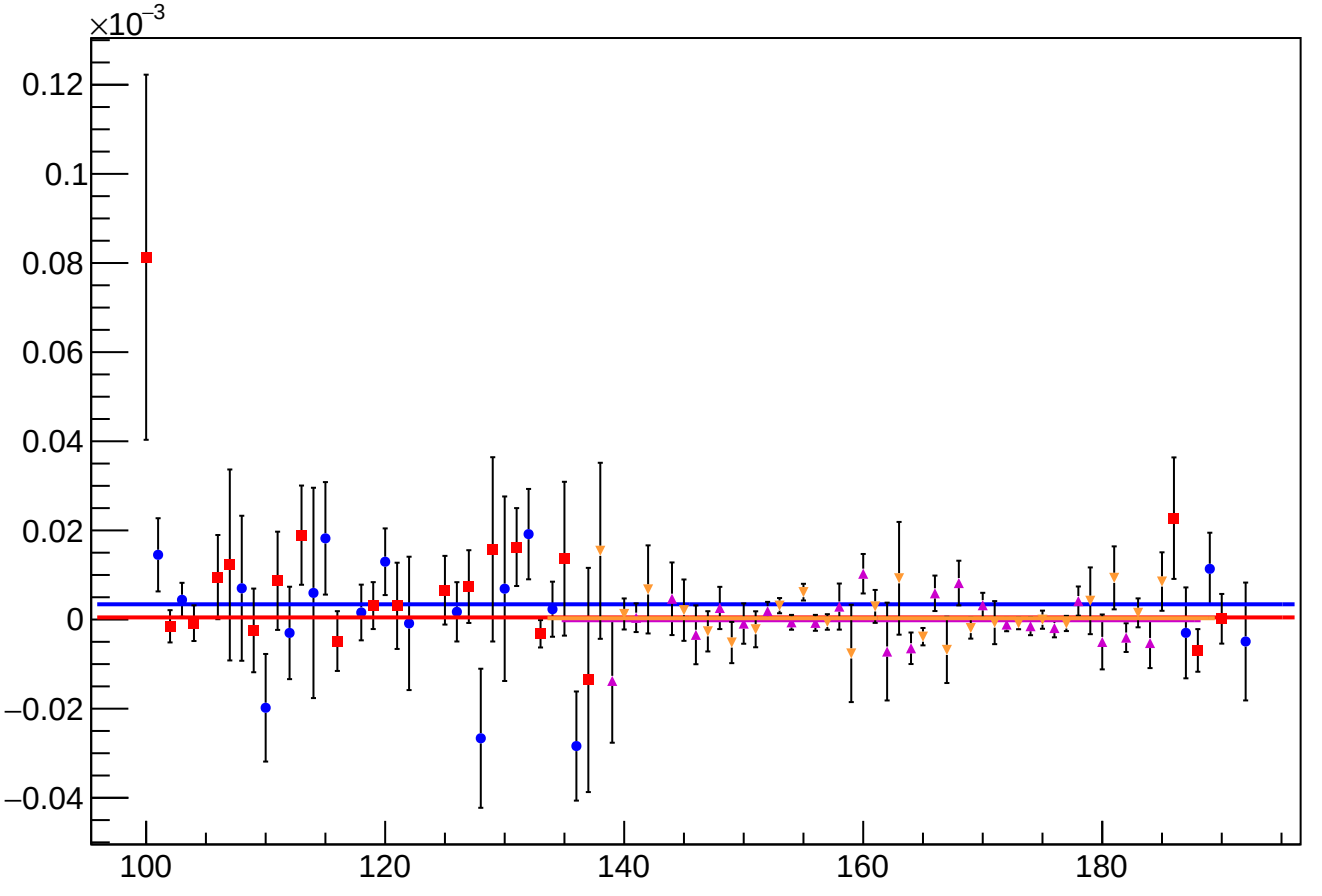
Right Out: 51.942+/-0.014 χ^2/NDF: 2266281.7/20

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 50.545+/-0.008 χ^2/NDF: 10062007.6/42

All: 49.964+/-0.006 χ^2/NDF: 19422786.0/86

\- sign 49.415+/-0.008 χ^2/NDF: 9351026.4/43



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

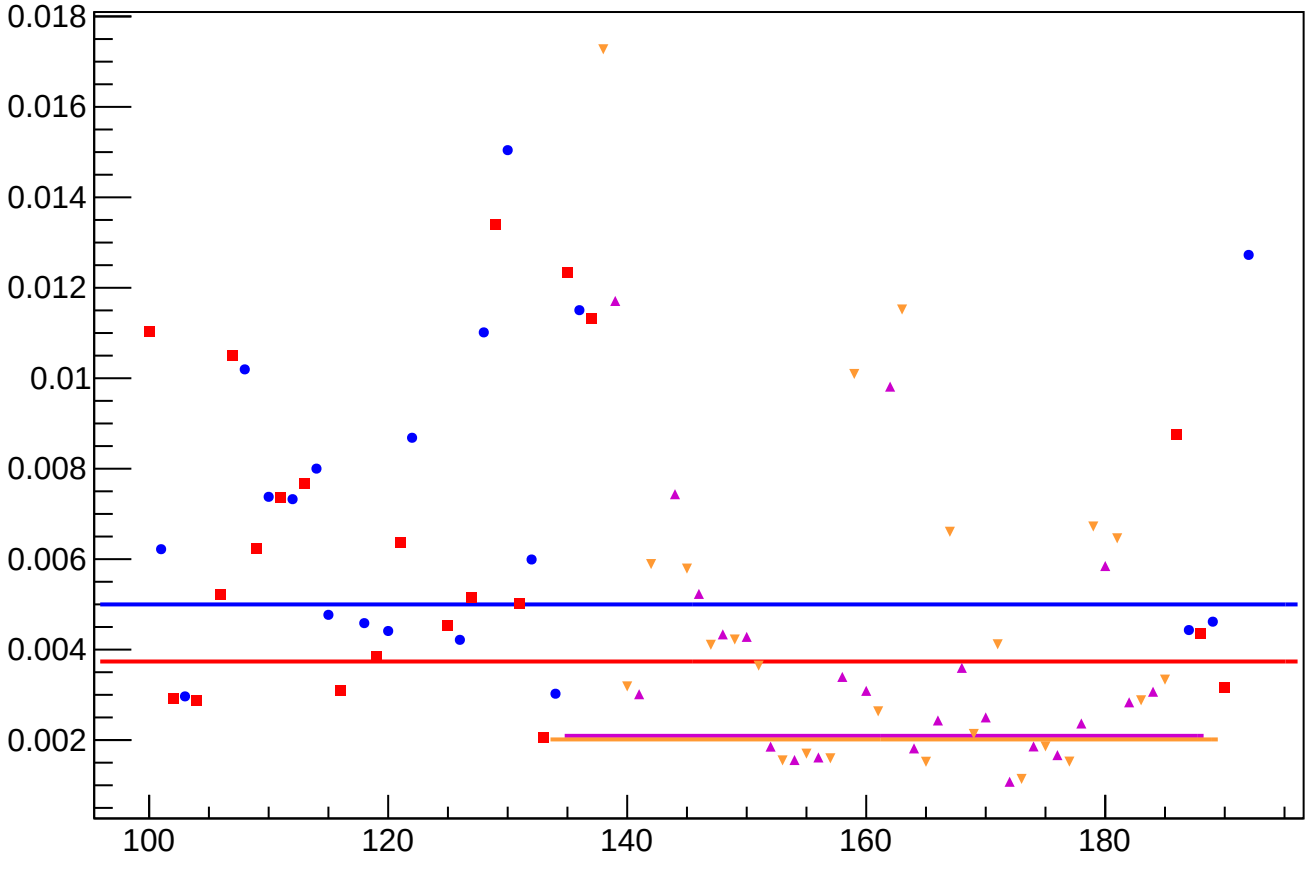
Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.1/42

All: 0.000+/-0.000 χ^2/NDF: 103.6/86

- sign -0.000+/-0.000 χ^2/NDF: 47.9/43

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 3448235.4/18

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

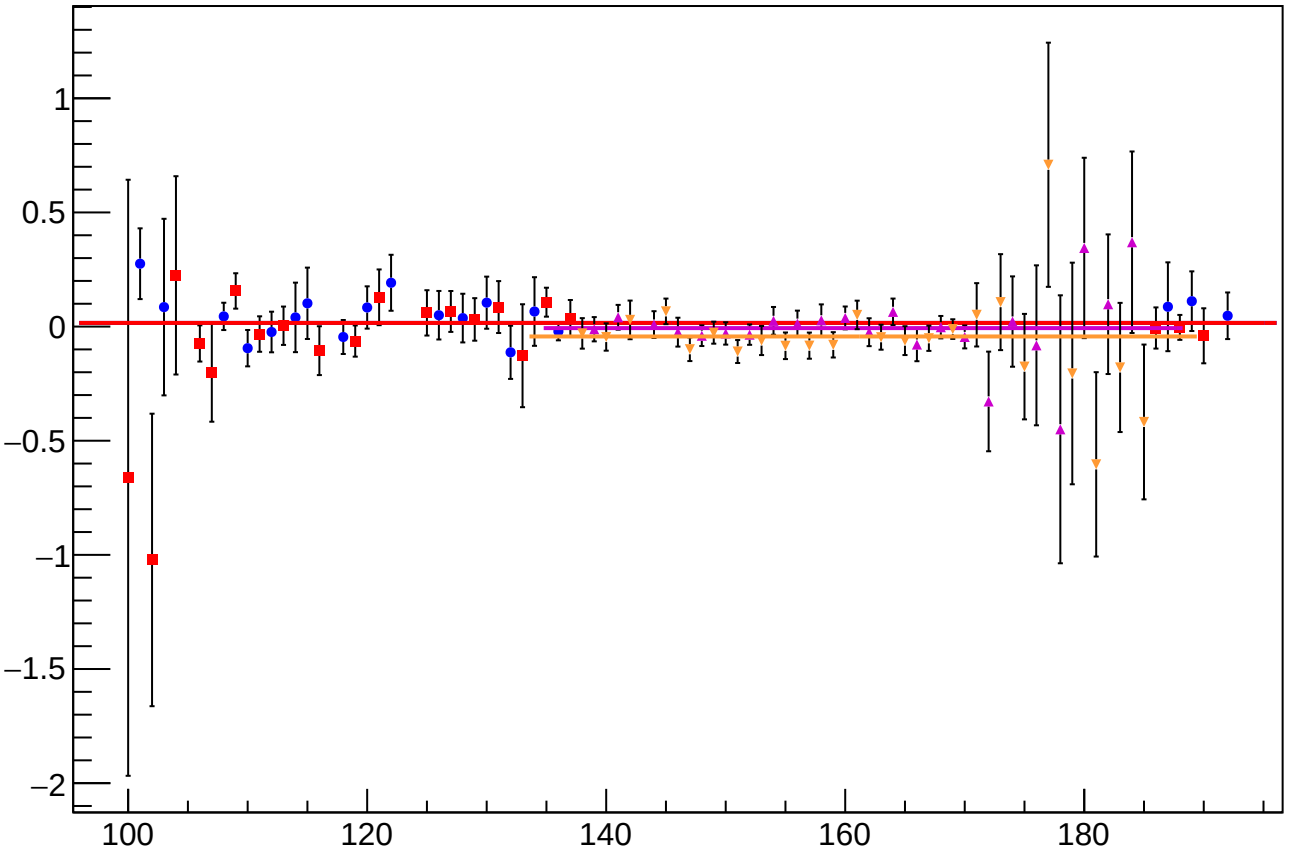
Right Out: 0.004+/-0.000 χ^2/NDF: 3439977.6/20

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 18014449.7/42

All: 0.002+/-0.000 χ^2/NDF: 30866504.3/86

- sign 0.002+/-0.000 χ^2/NDF: 12819367.8/43



Right In: 0.016+/-0.021 χ^2/NDF: 12.5/18

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

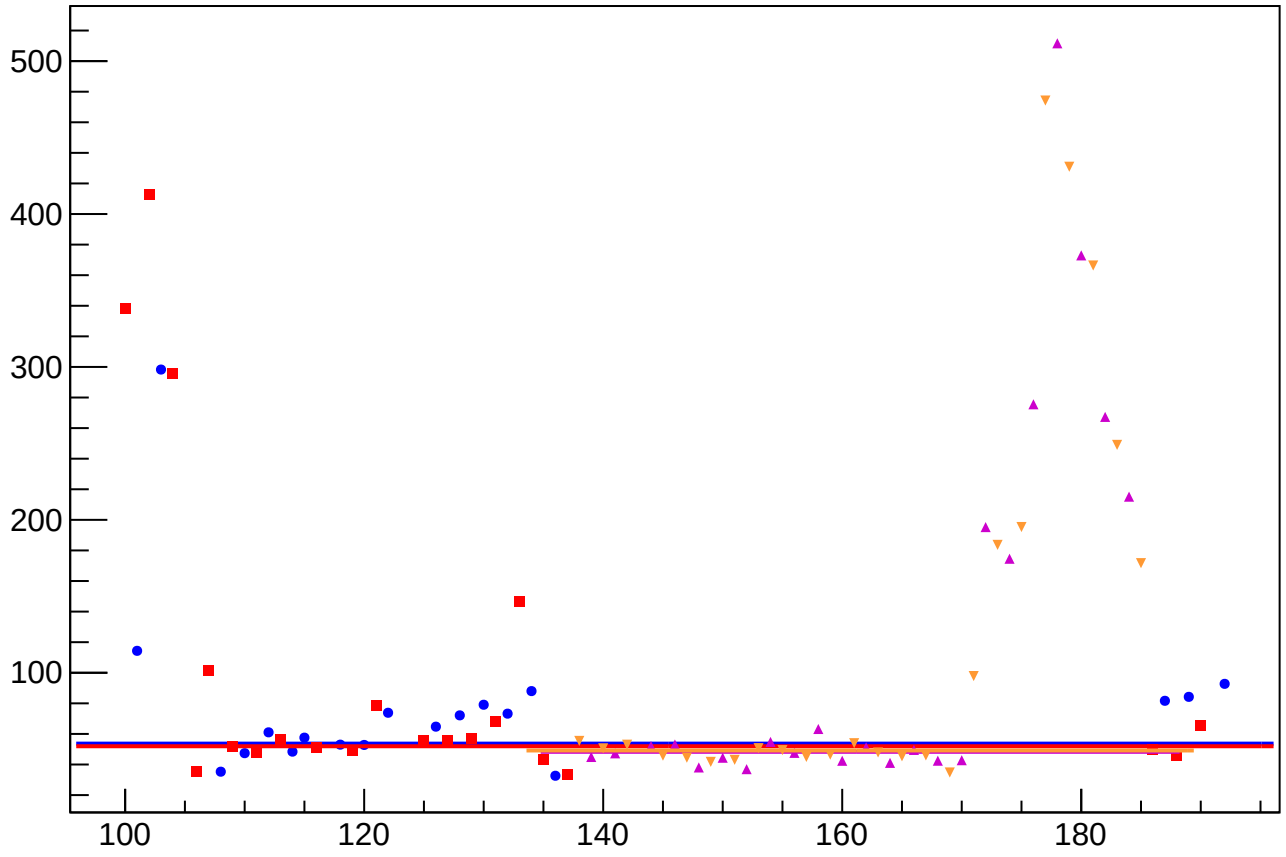
Right Out: 0.016+/-0.020 χ^2/NDF: 16.4/20

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.025+/-0.012 χ^2/NDF: 37.0/42

All: -0.012+/-0.008 χ^2/NDF: 68.0/86

- sign 0.000+/-0.011 χ^2/NDF: 28.6/43



Right In: 53.652+/-0.015 χ^2/NDF: 2748666.0/18

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

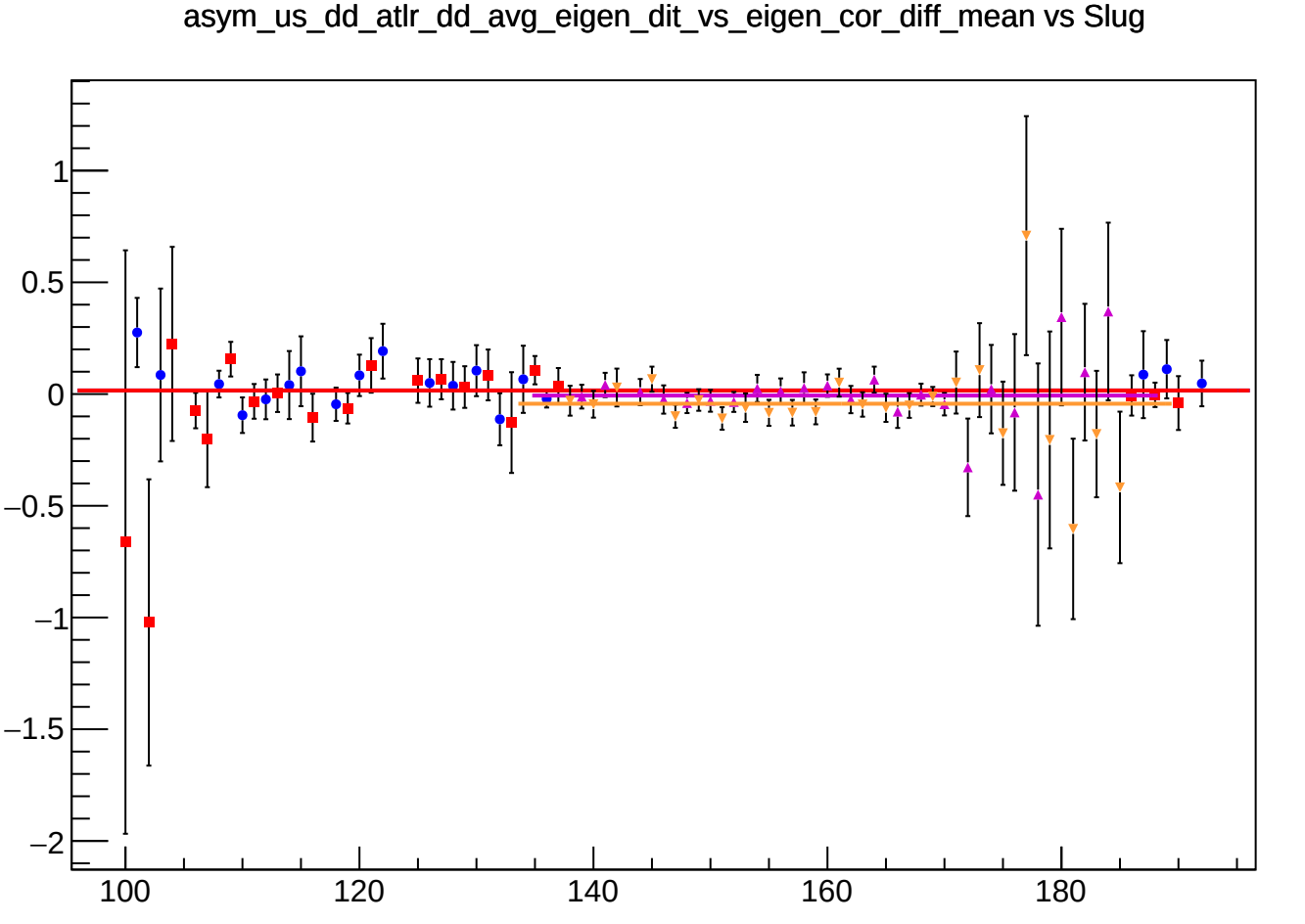
Right Out: 51.943+/-0.014 χ^2/NDF: 2266154.3/20

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 50.544+/-0.008 χ^2/NDF: 10061889.5/42

All: 49.964+/-0.006 χ^2/NDF: 19422463.0/86

- sign 49.416+/-0.008 χ^2/NDF: 9350830.2/43



Right In: 0.016+/-0.021 χ^2/NDF: 12.5/18

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

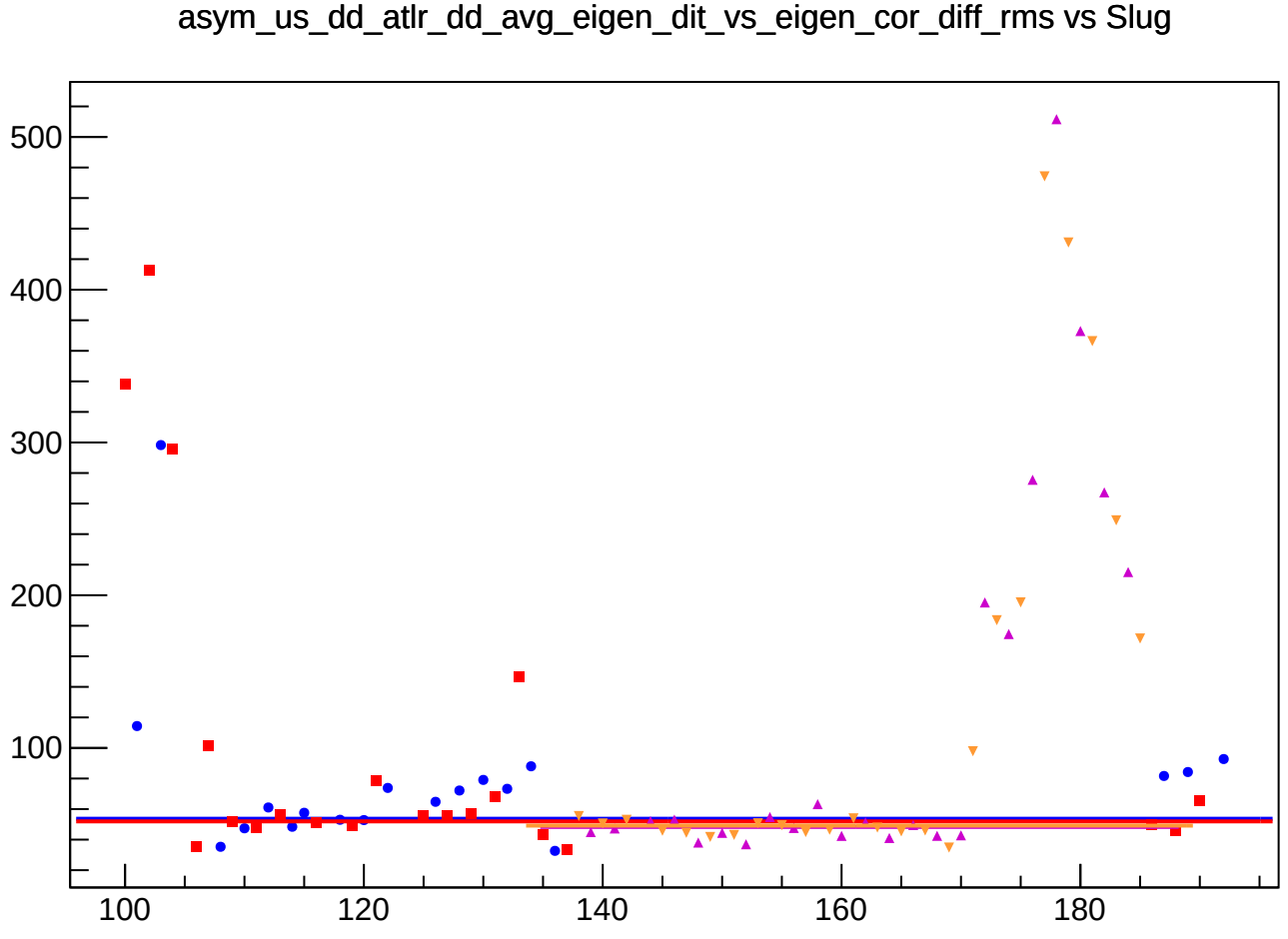
Right Out: 0.016+/-0.020 χ^2/NDF: 16.4/20

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.025+/-0.012 χ^2/NDF: 37.0/42

All: -0.012+/-0.008 χ^2/NDF: 68.0/86

- sign 0.000+/-0.011 χ^2/NDF: 28.6/43



Right In: 53.652+/-0.015 χ^2/NDF: 2748666.0/18

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

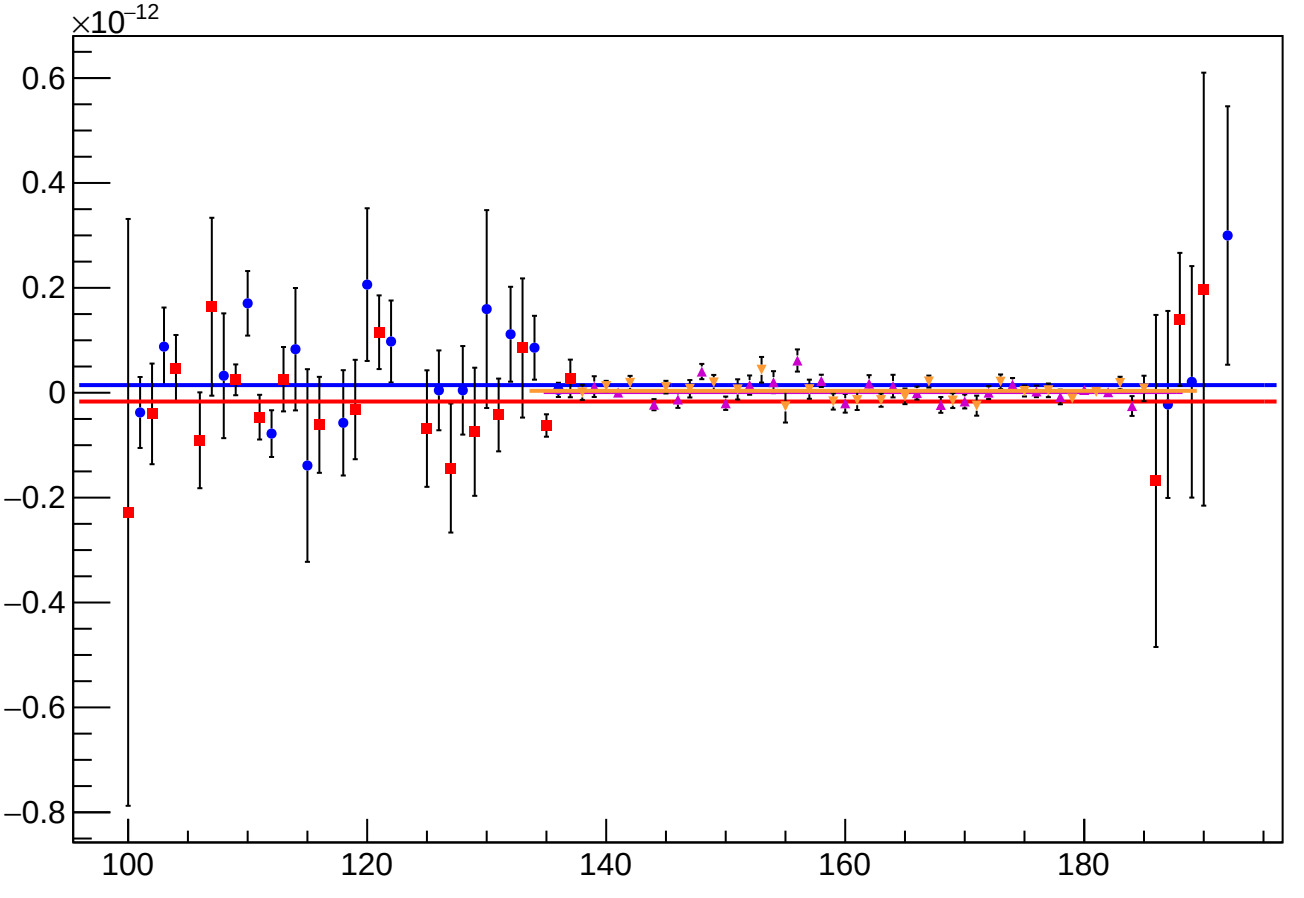
Right Out: 51.943+/-0.014 χ^2/NDF: 2266154.3/20

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 50.544+/-0.008 χ^2/NDF: 10061889.5/42

All: 49.964+/-0.006 χ^2/NDF: 19422463.0/86

\- sign 49.416+/-0.008 χ^2/NDF: 9350830.2/43



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

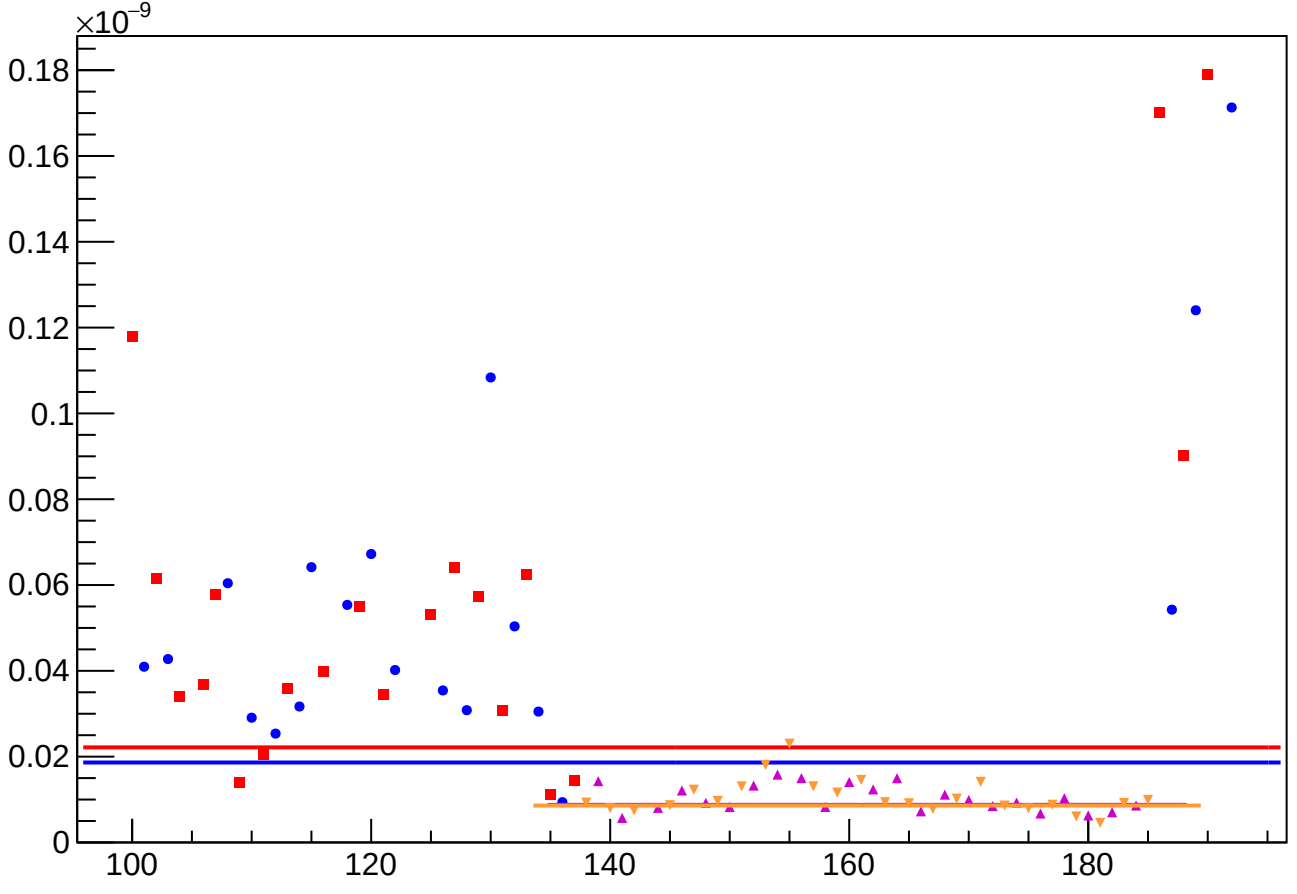
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/20

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.2/42

All: 0.000+/-0.000 χ^2/NDF: 110.3/86

- sign 0.000+/-0.000 χ^2/NDF: 62.1/43



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

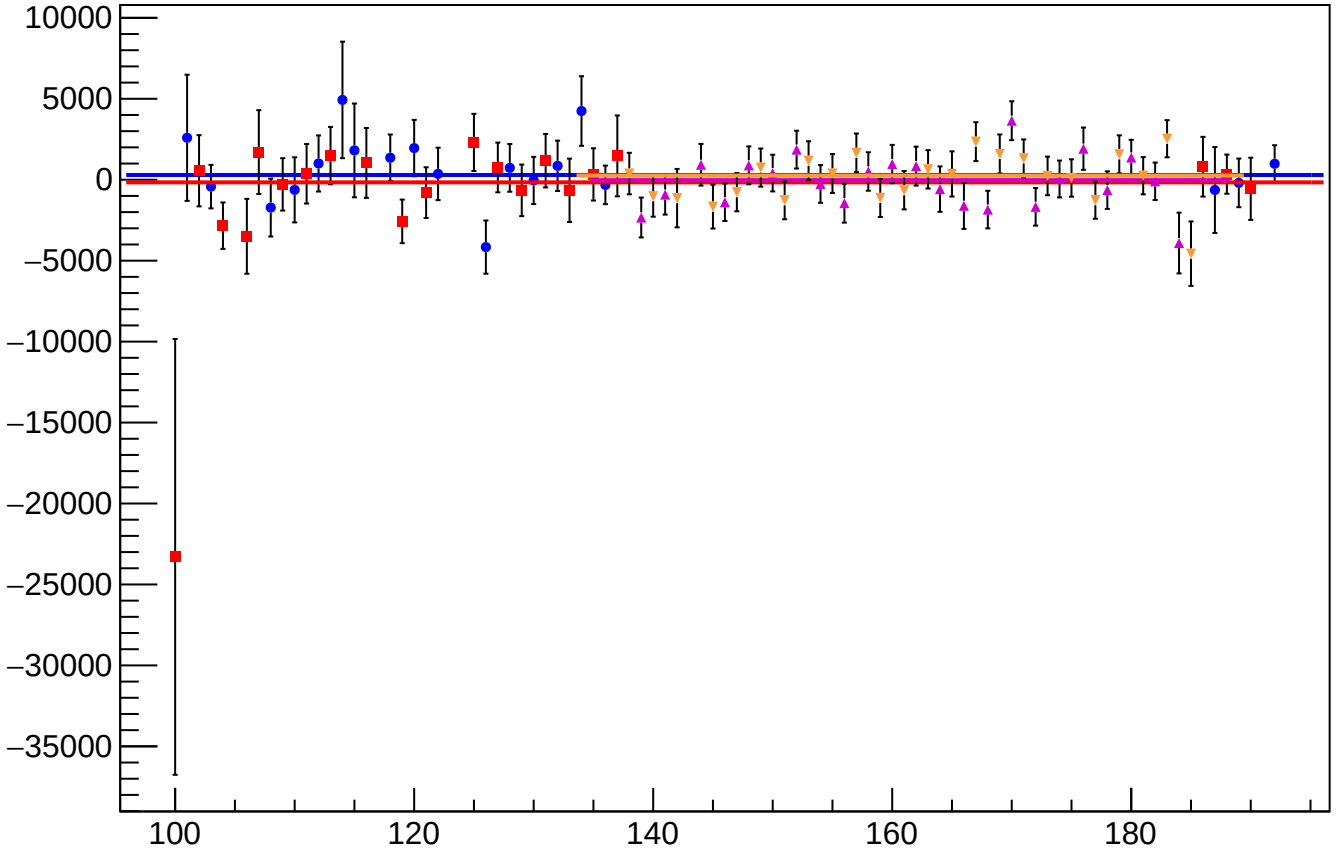
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8711367.1/42

All: 0.000+/-0.000 χ^2/NDF: 16819006.5/86

- sign 0.000+/-0.000 χ^2/NDF: 8099834.4/43

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



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

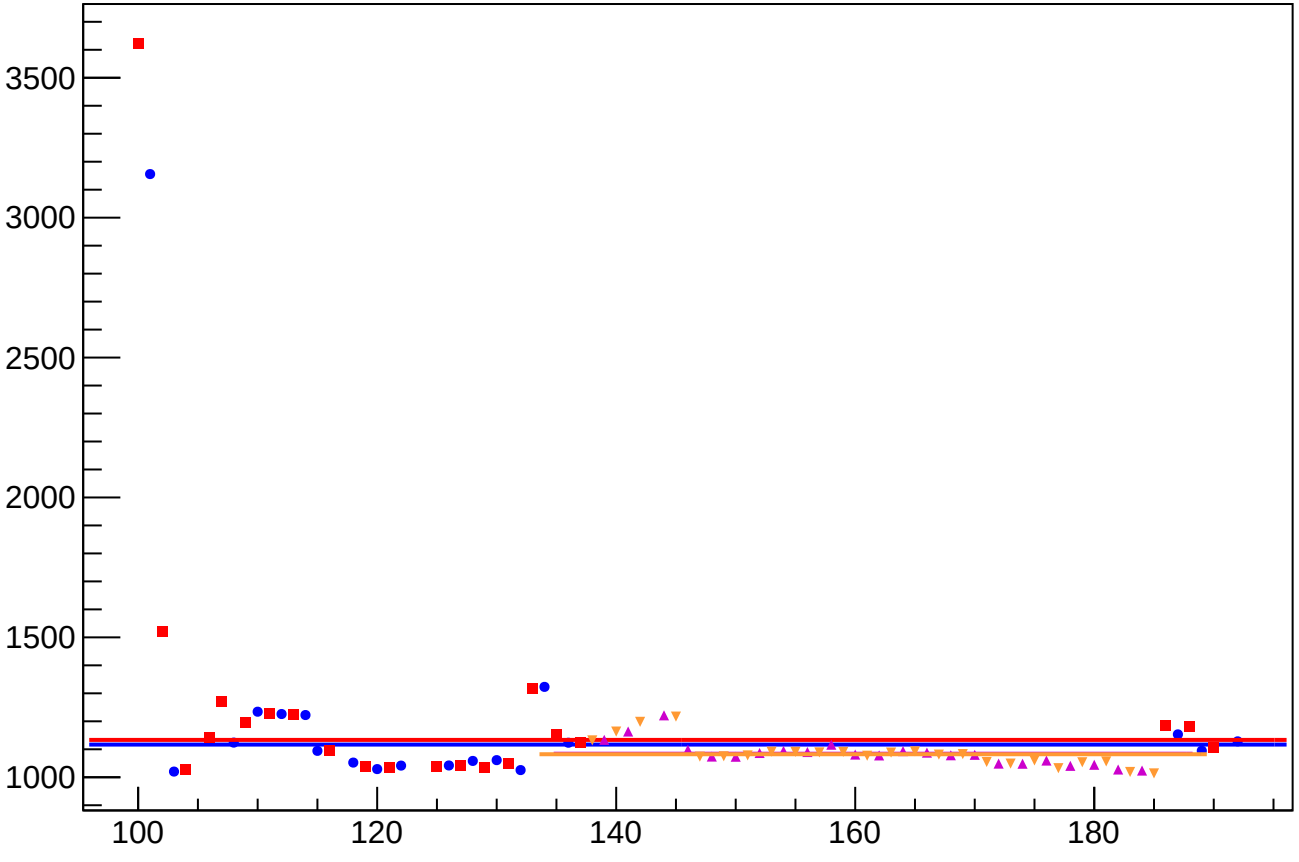
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 270.613+/-209.817 χ^2/NDF: 45.8/42

All: 104.471+/-148.968 χ^2/NDF: 100.8/86

- sign -64.409+/-211.539 χ^2/NDF: 53.8/43

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.833+/-0.269 χ^2/NDF: 624409.7/18

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

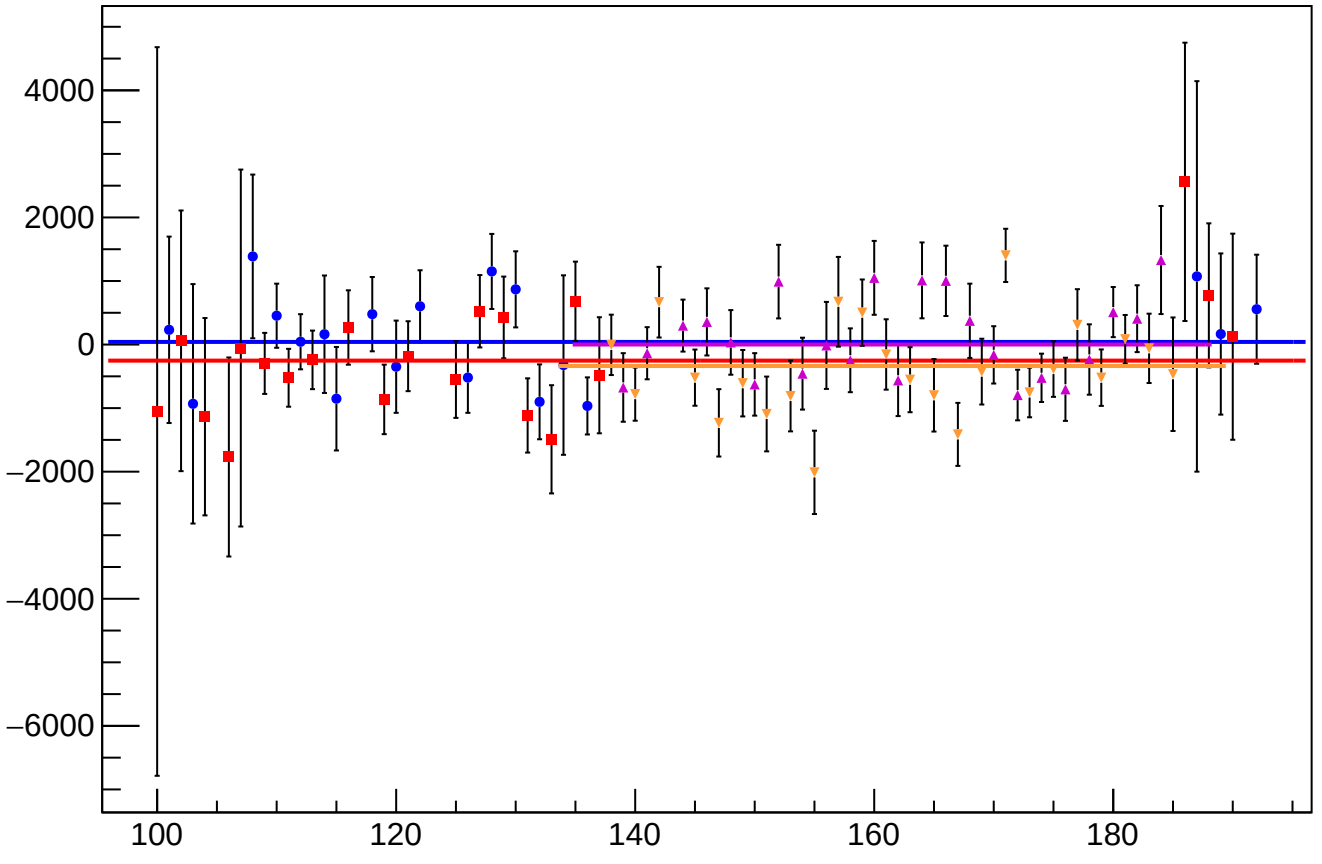
Right Out: 1133.526+/-0.272 χ^2/NDF: 228040.5/20

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1092.785+/-0.148 χ^2/NDF: 693729.4/42

All: 1095.921+/-0.105 χ^2/NDF: 999095.6/86

- sign 1099.109+/-0.150 χ^2/NDF: 304465.1/43



Right In: 41.489+/-157.036 χ^2/NDF: 19.7/18

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

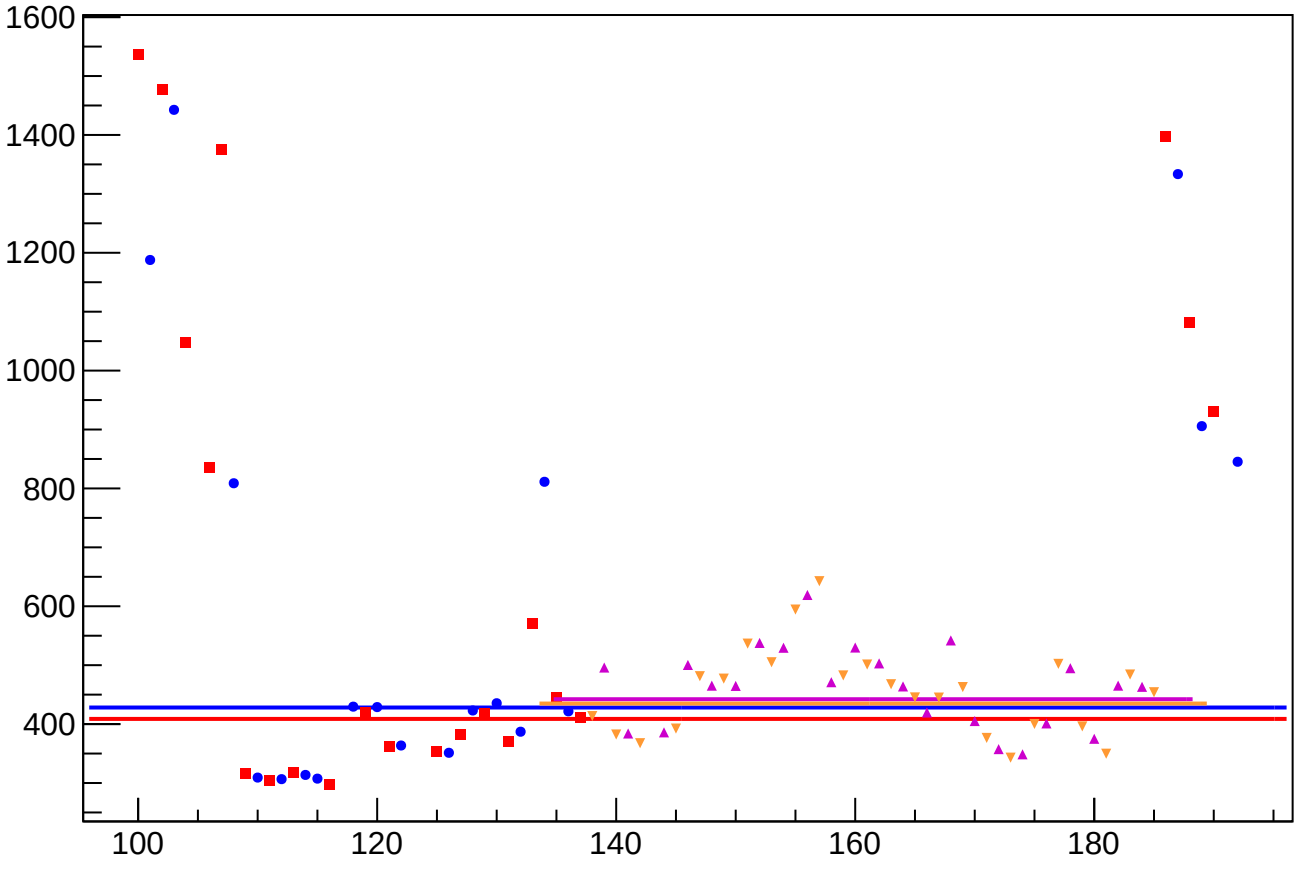
Right Out: -252.645+/-153.647 χ^2/NDF: 16.1/20

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -224.276+/-85.893 χ^2/NDF: 72.6/42

All: -152.568+/-60.963 χ^2/NDF: 123.8/86

- sign -79.776+/-86.540 χ^2/NDF: 49.8/43



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

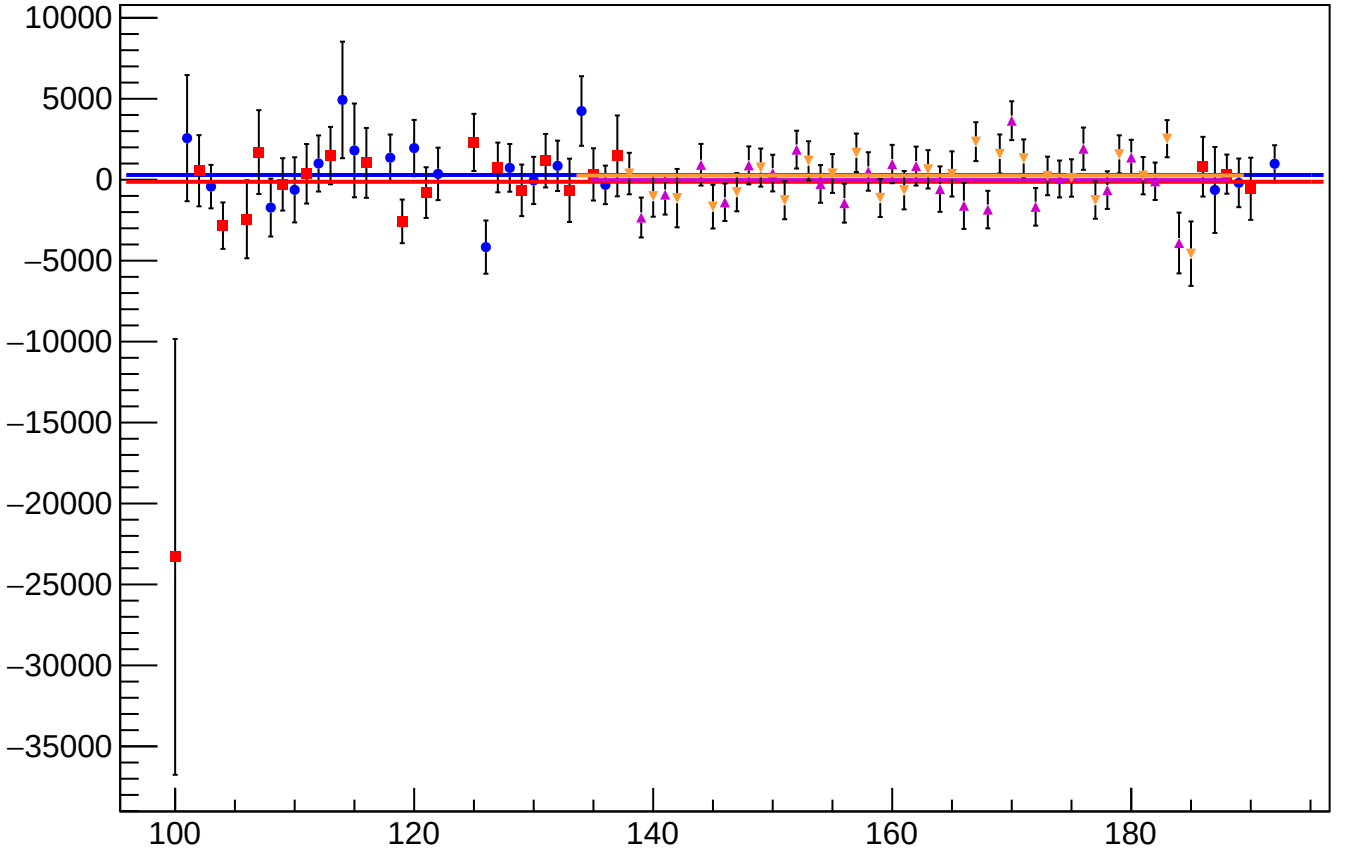
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 432.847+/-0.061 χ^2/NDF: 3667274.0/42

All: 432.232+/-0.043 χ^2/NDF: 7678546.7/86

- sign 431.608+/-0.061 χ^2/NDF: 4011066.1/43

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



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

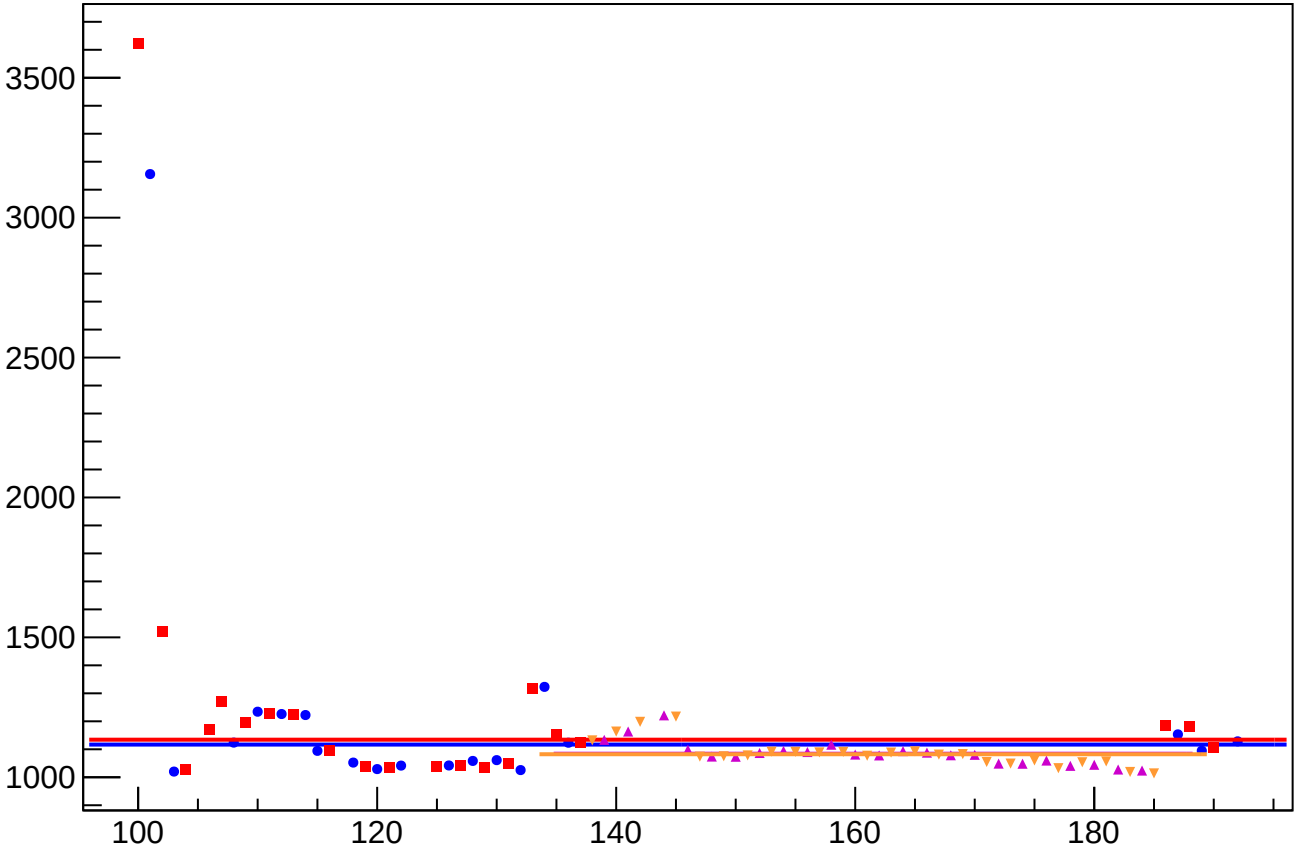
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 270.519+/-209.817 χ^2/NDF: 45.8/42

All: 109.601+/-148.992 χ^2/NDF: 99.5/86

- sign -54.074+/-211.607 χ^2/NDF: 52.6/43

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.833+/-0.269 χ^2/NDF: 624410.7/18

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

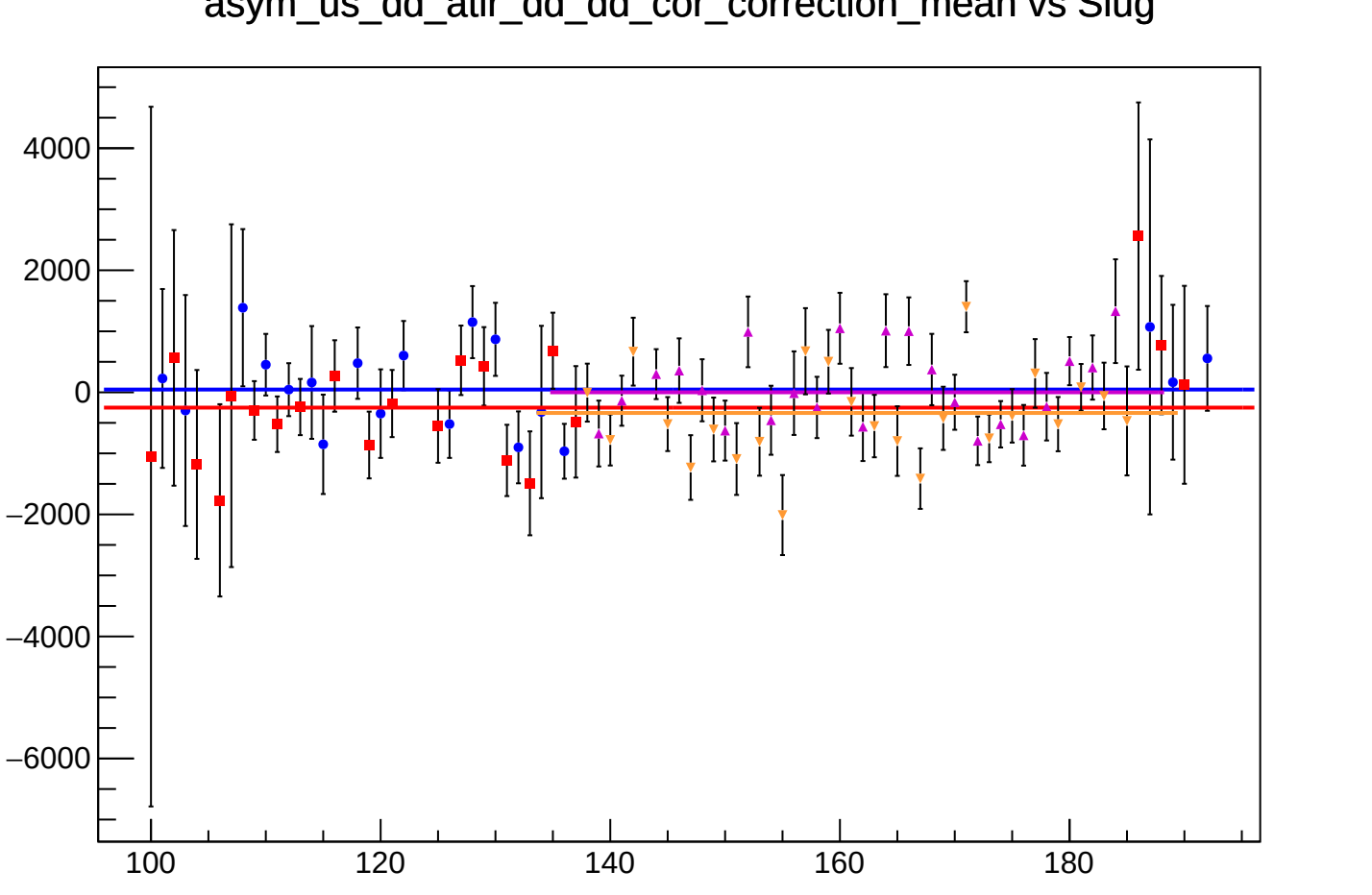
Right Out: 1134.312+/-0.272 χ^2/NDF: 228518.4/20

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1092.785+/-0.148 χ^2/NDF: 693730.3/42

All: 1096.027+/-0.105 χ^2/NDF: 1000339.0/86

- sign 1099.324+/-0.150 χ^2/NDF: 305645.5/43



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

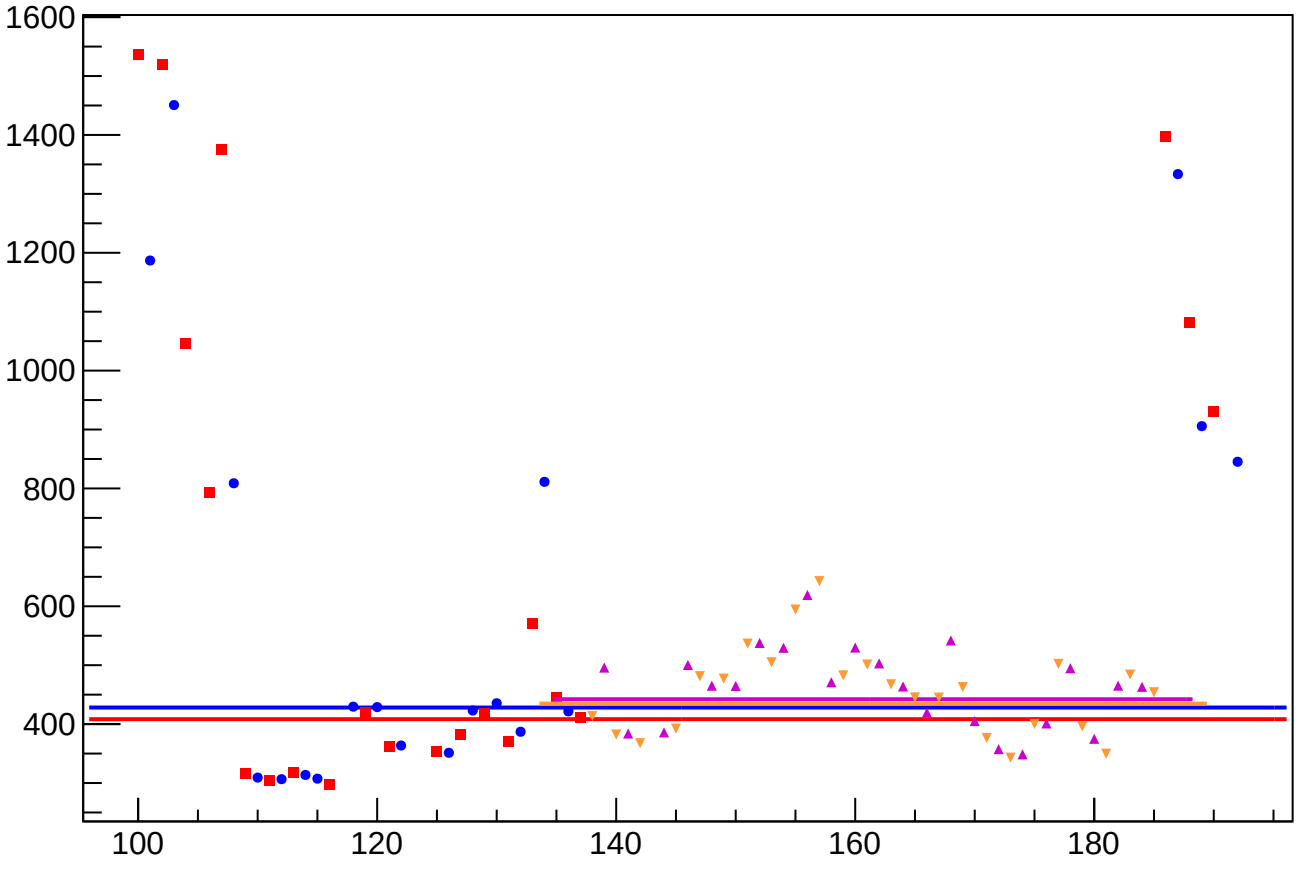
Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -223.074+/-85.893 χ^2/NDF: 72.4/42

All: -151.595+/-60.964 χ^2/NDF: 123.7/86

- sign -79.027+/-86.544 χ^2/NDF: 49.9/43

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 428.125+/-0.111 χ^2/NDF: 2790016.6/18

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

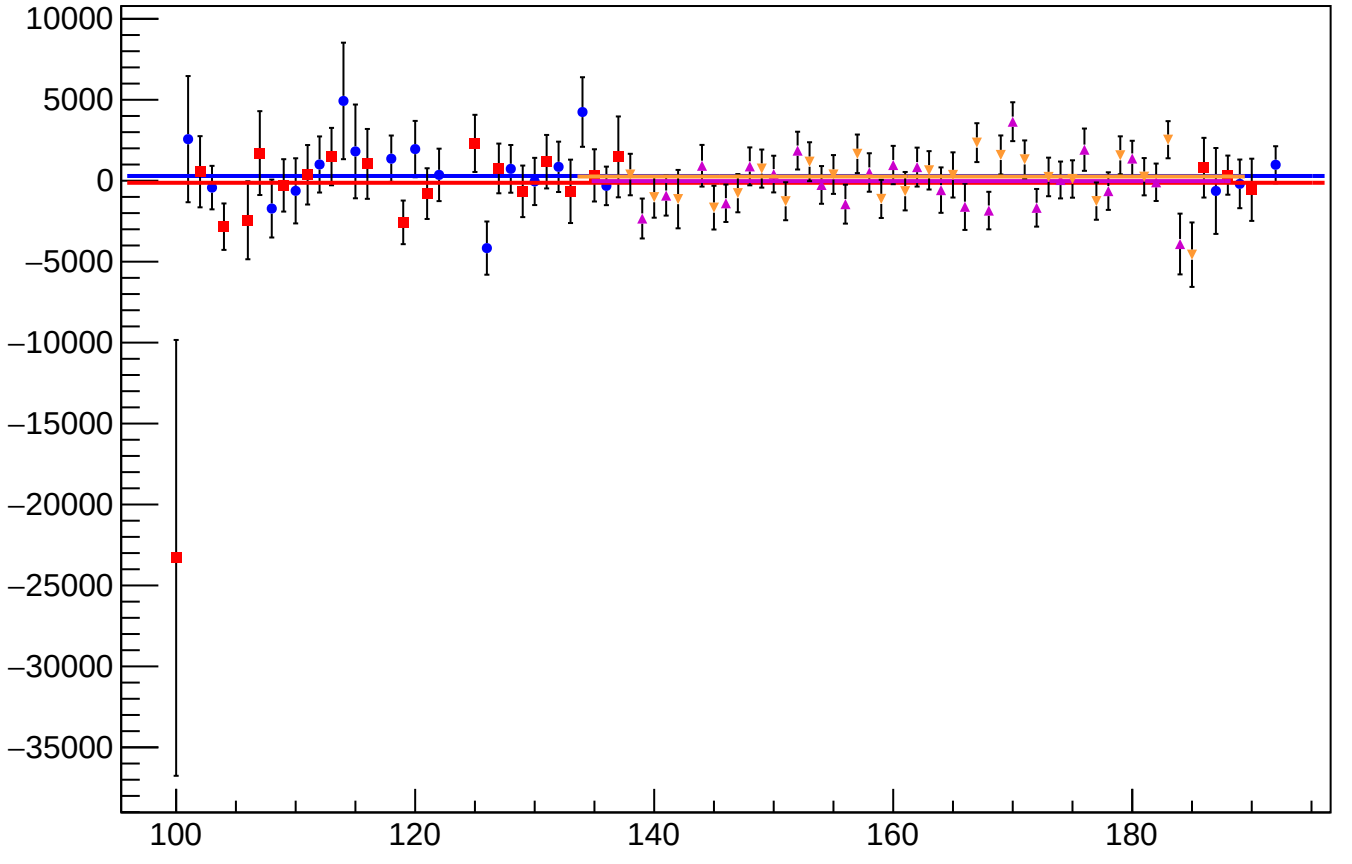
Right Out: 408.351+/-0.109 χ^2/NDF: 3110260.7/20

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 432.842+/-0.061 χ^2/NDF: 3671098.9/42

All: 432.162+/-0.043 χ^2/NDF: 7673755.8/86

- sign 431.470+/-0.061 χ^2/NDF: 4002403.8/43



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

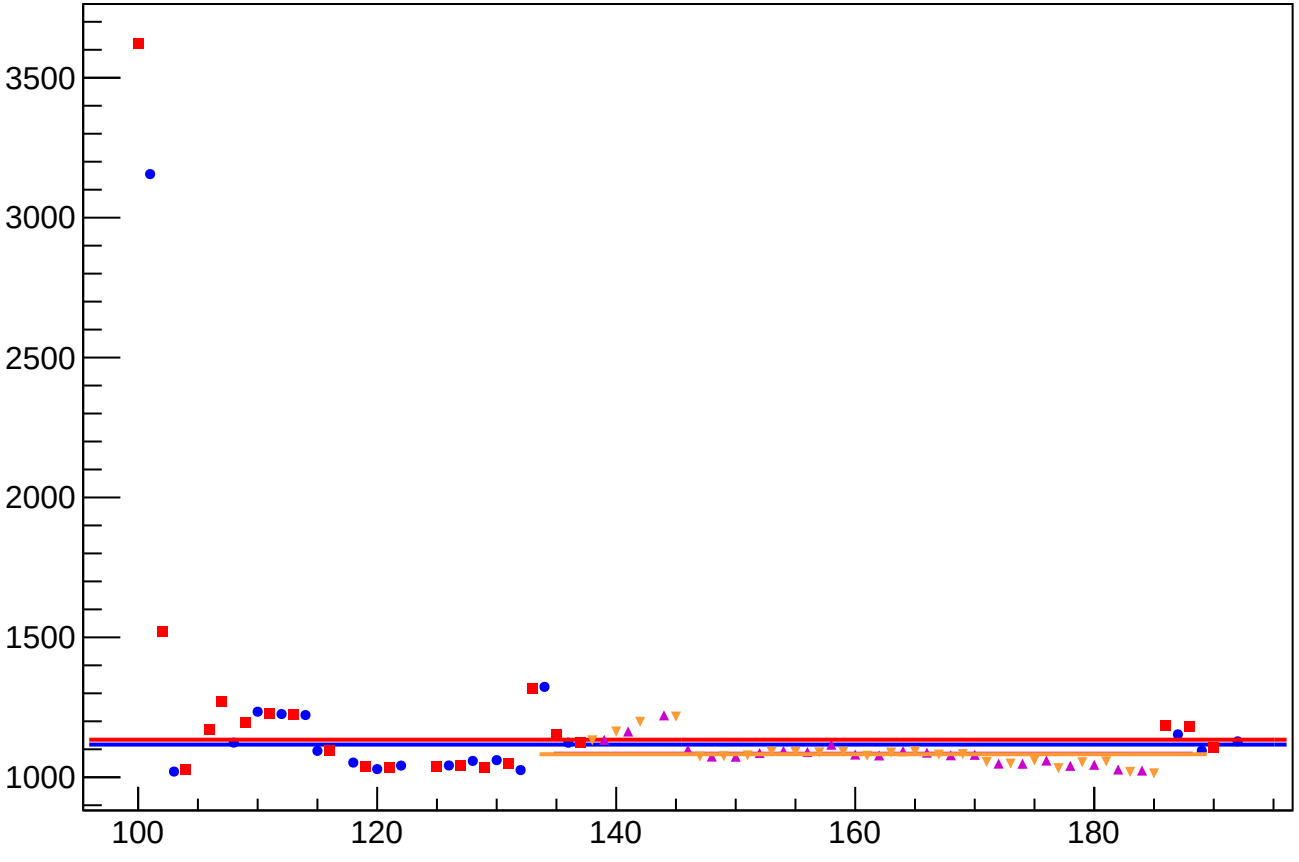
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 270.519+/-209.817 χ^2/NDF: 45.8/42

All: 109.601+/-148.992 χ^2/NDF: 99.5/86

- sign -54.074+/-211.607 χ^2/NDF: 52.6/43

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1116.833+/-0.269 χ^2/NDF: 624410.7/18

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

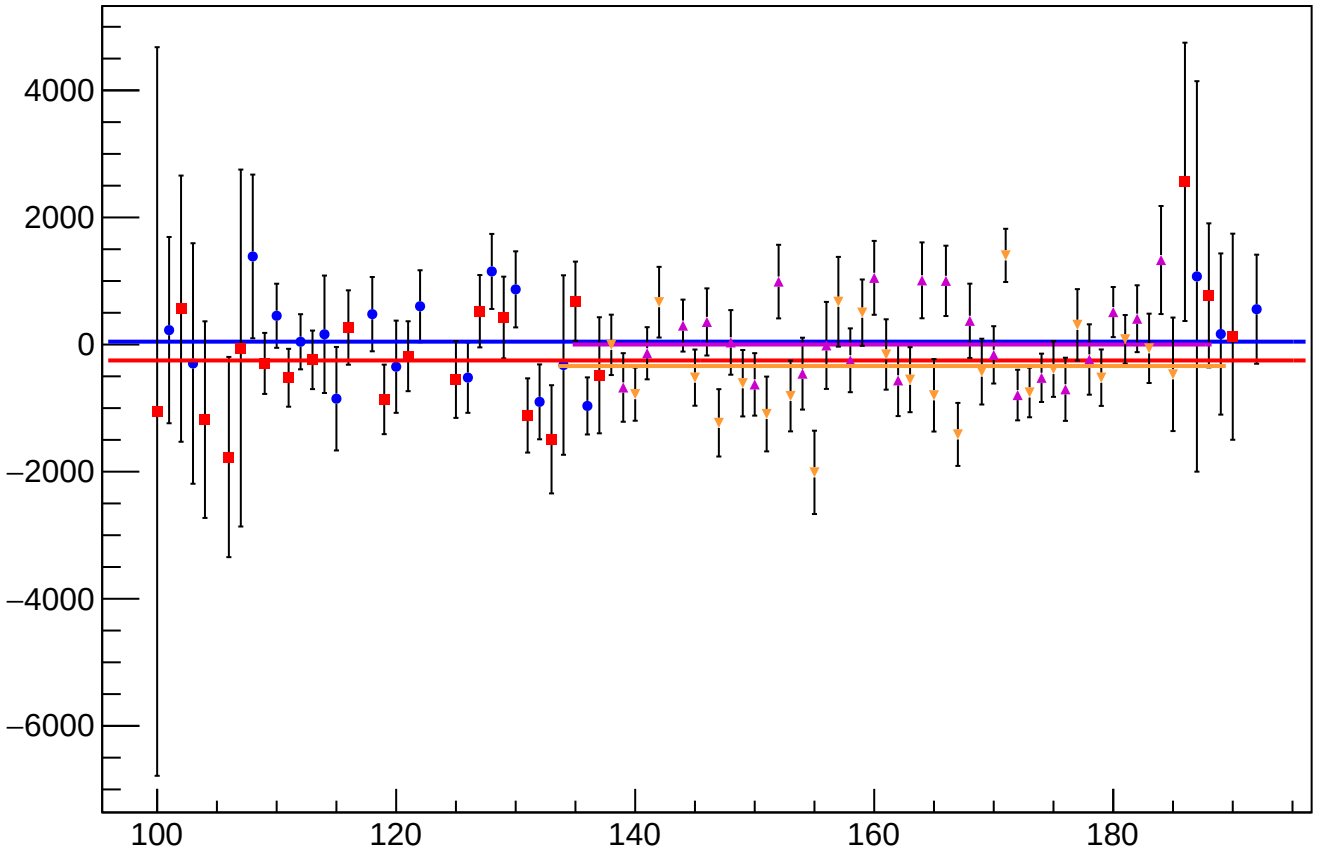
Right Out: 1134.312+/-0.272 χ^2/NDF: 228518.4/20

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1092.785+/-0.148 χ^2/NDF: 693730.3/42

All: 1096.027+/-0.105 χ^2/NDF: 1000339.0/86

- sign 1099.324+/-0.150 χ^2/NDF: 305645.5/43



Right In: 45.721+/-157.037 χ^2/NDF: 19.5/18

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

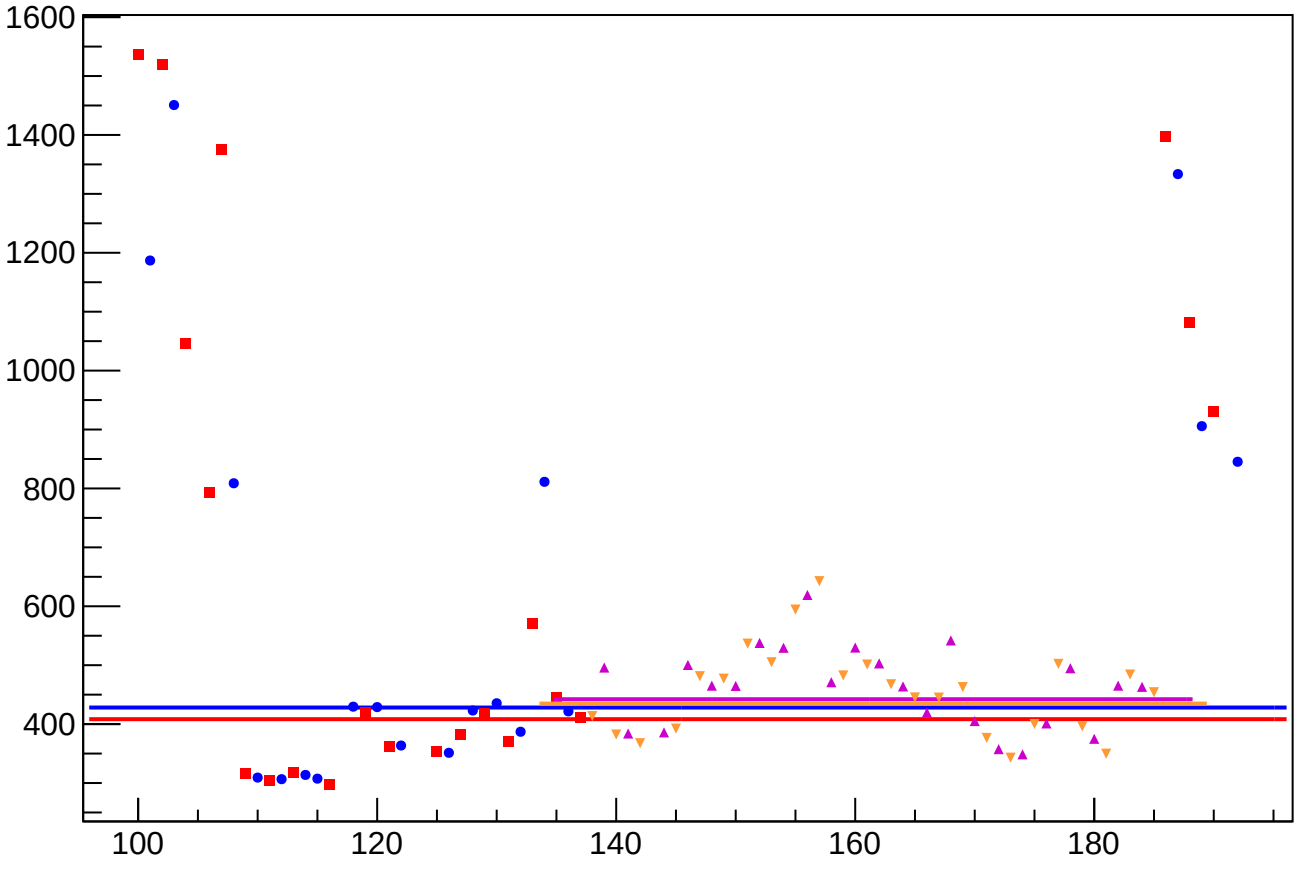
Right Out: -250.379+/-153.669 χ^2/NDF: 16.2/20

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -223.074+/-85.893 χ^2/NDF: 72.4/42

All: -151.595+/-60.964 χ^2/NDF: 123.7/86

- sign -79.027+/-86.544 χ^2/NDF: 49.9/43



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

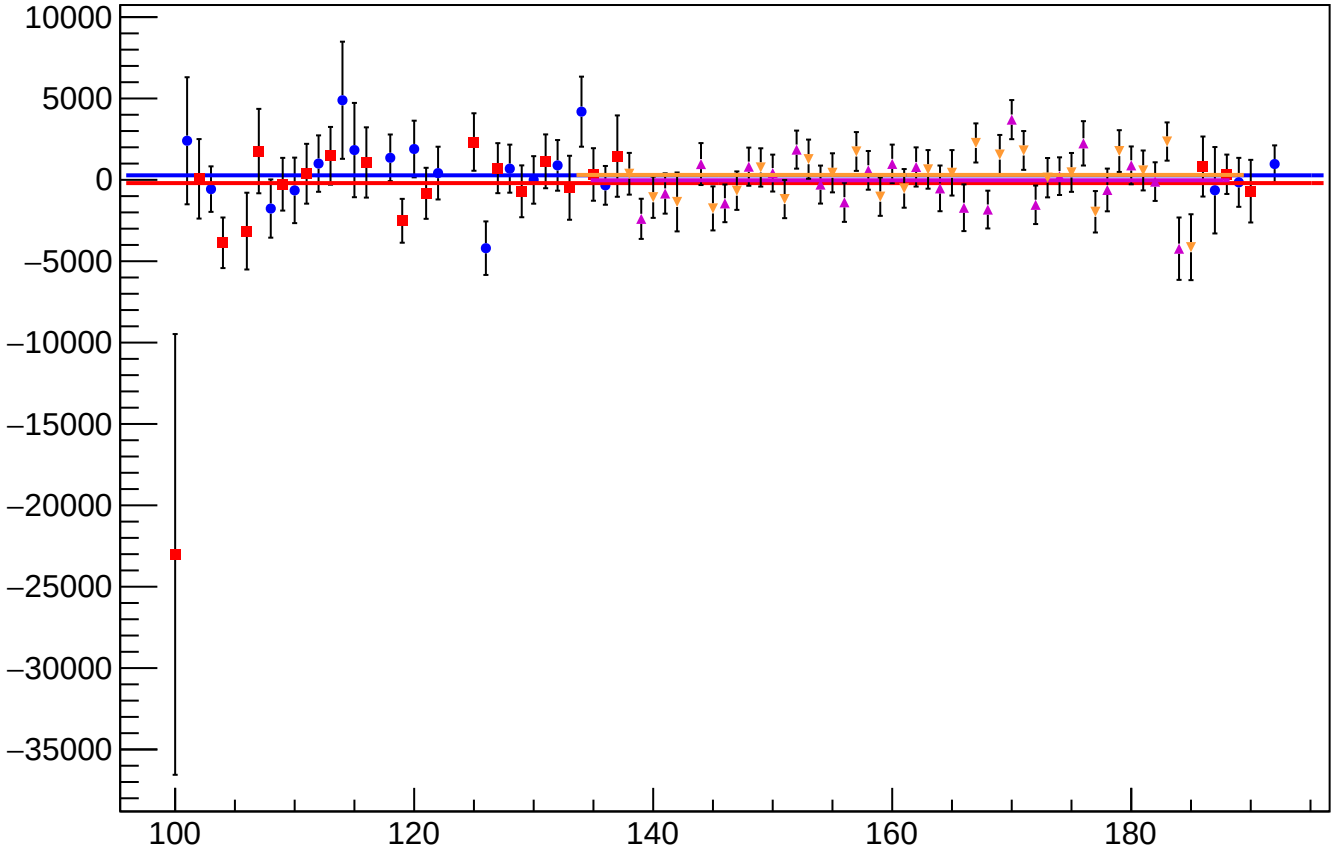
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

\+ sign 432.842+/-0.061 χ^2/NDF: 3671098.9/42

All: 432.162+/-0.043 χ^2/NDF: 7673755.8/86

\- sign 431.470+/-0.061 χ^2/NDF: 4002403.8/43

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 278.499+/-382.374 χ^2/NDF: 17.5/18

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -199.560+/-388.184 χ^2/NDF: 19.3/20

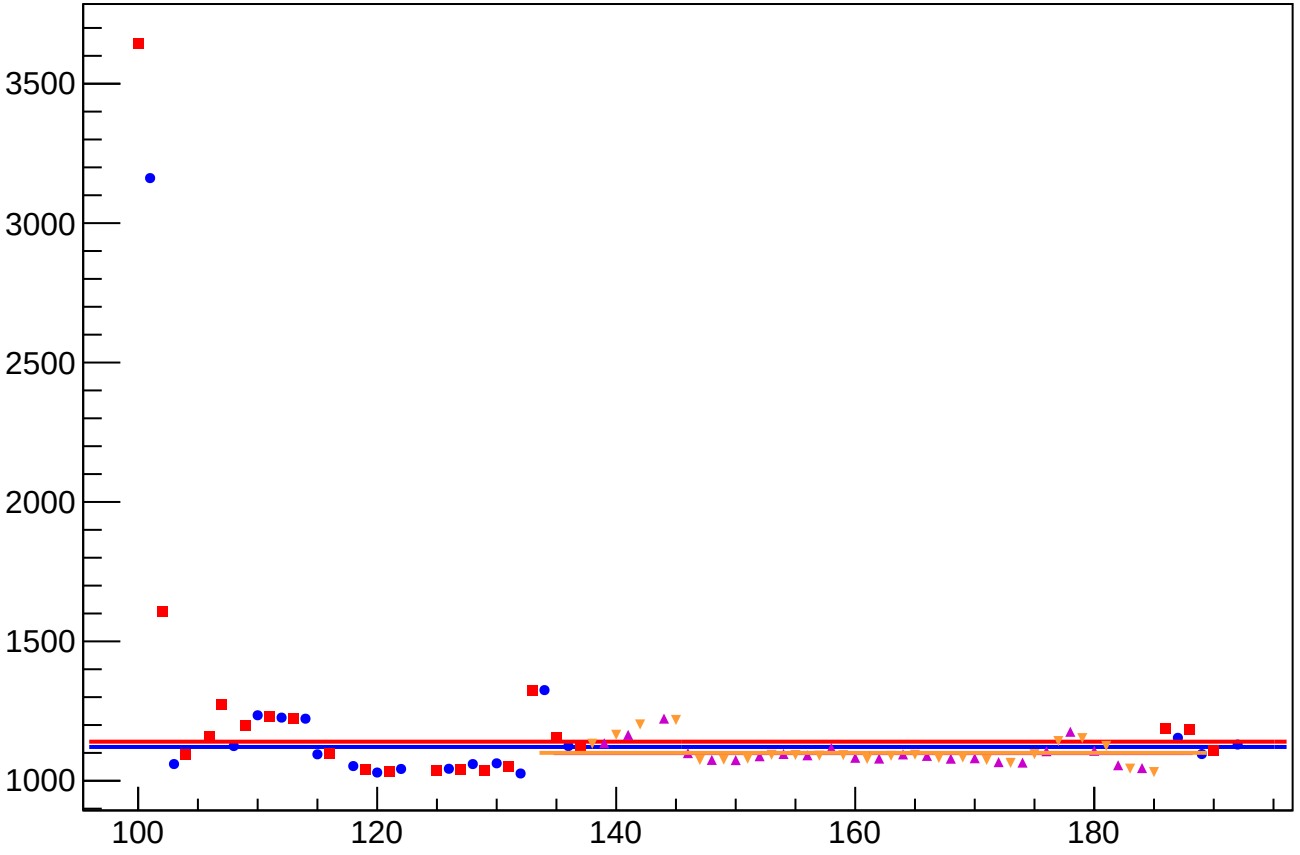
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 295.714+/-212.471 χ^2/NDF: 46.0/42

All: 110.195+/-150.852 χ^2/NDF: 102.9/86

- sign -78.379+/-214.214 χ^2/NDF: 55.3/43

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.297+/-0.270 χ^2/NDF: 618015.7/18

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

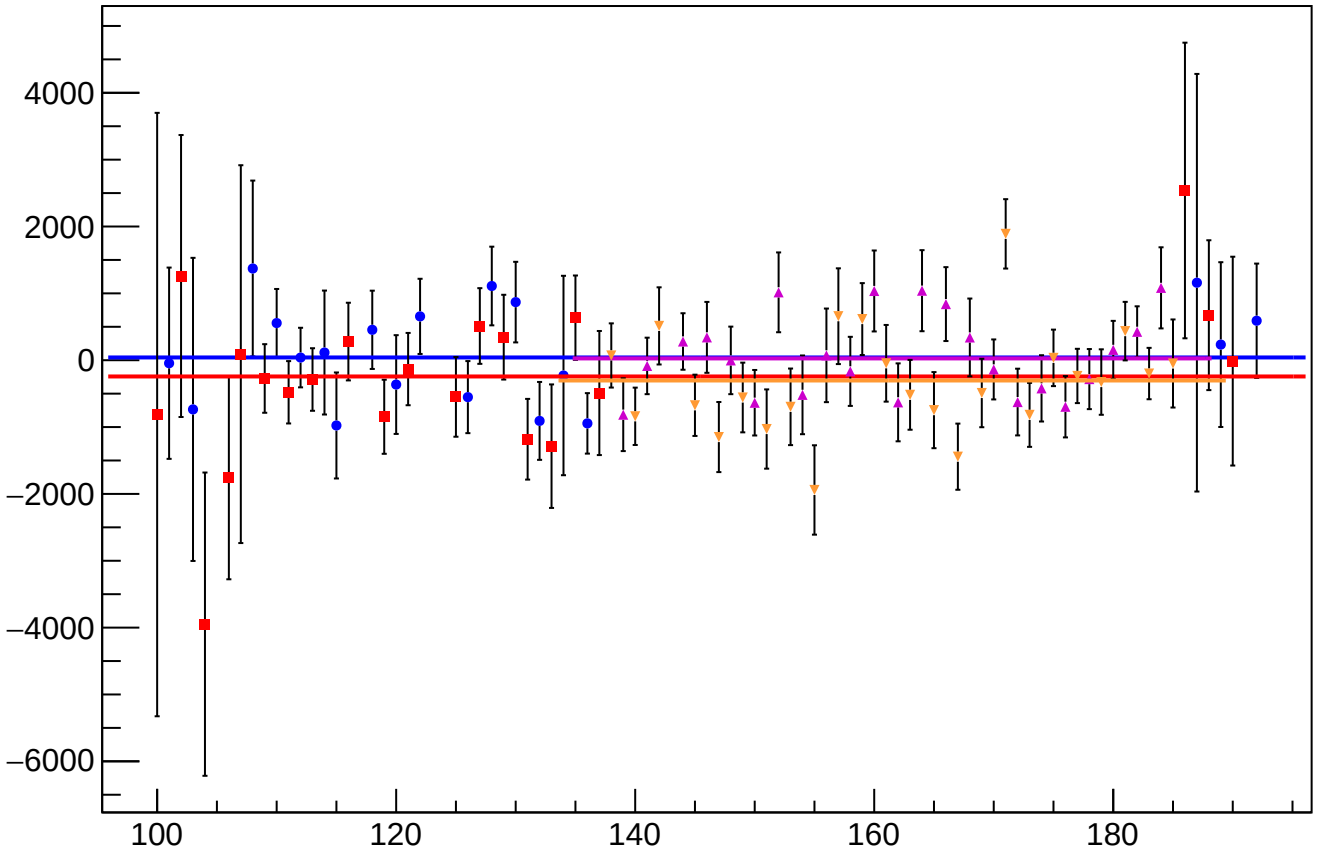
Right Out: 1140.265+/-0.274 χ^2/NDF: 232249.5/20

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1106.754+/-0.150 χ^2/NDF: 670974.9/42

All: 1109.258+/-0.107 χ^2/NDF: 964029.2/86

- sign 1111.804+/-0.151 χ^2/NDF: 292493.9/43



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

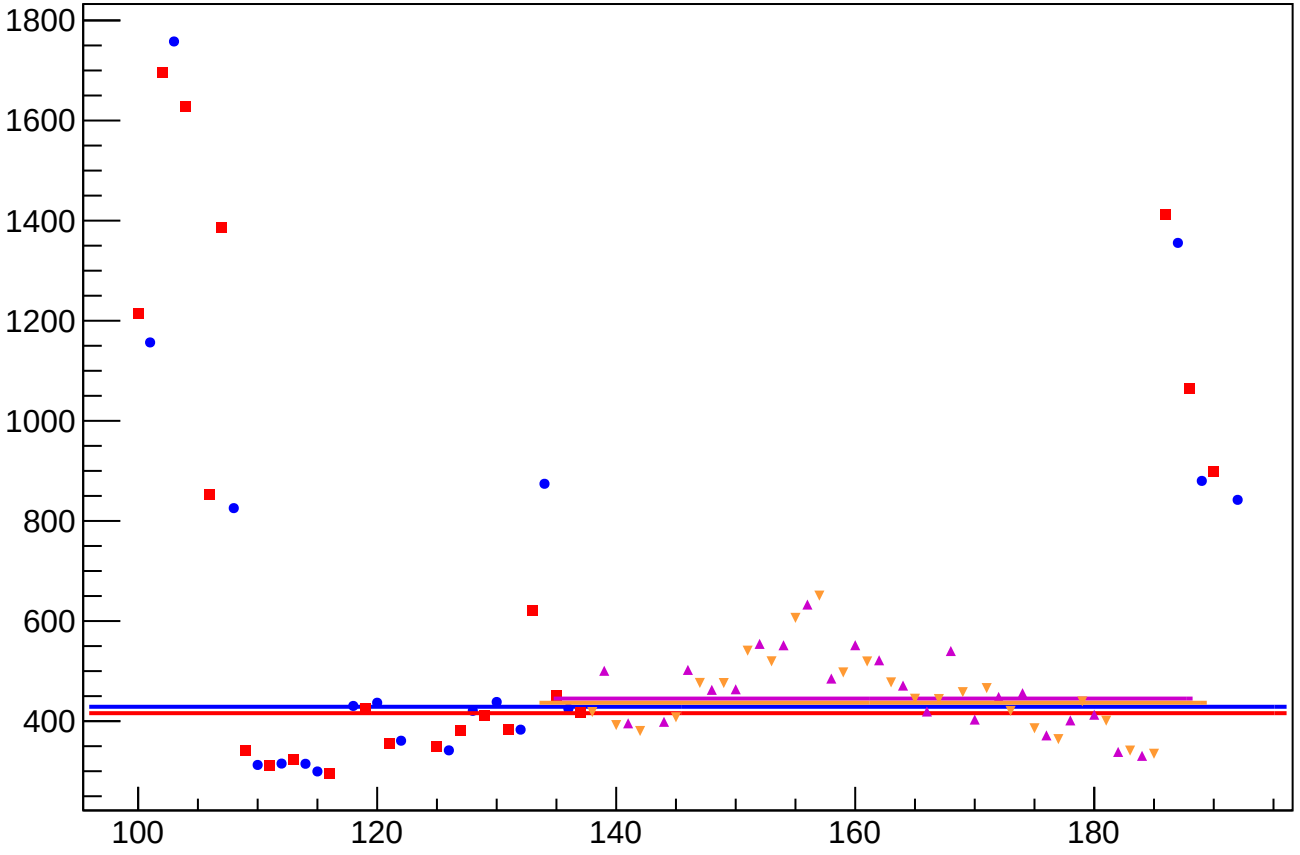
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -200.056+/-86.193 χ^2/NDF: 73.1/42

All: -129.886+/-61.356 χ^2/NDF: 121.8/86

- sign -57.804+/-87.359 χ^2/NDF: 47.3/43

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



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

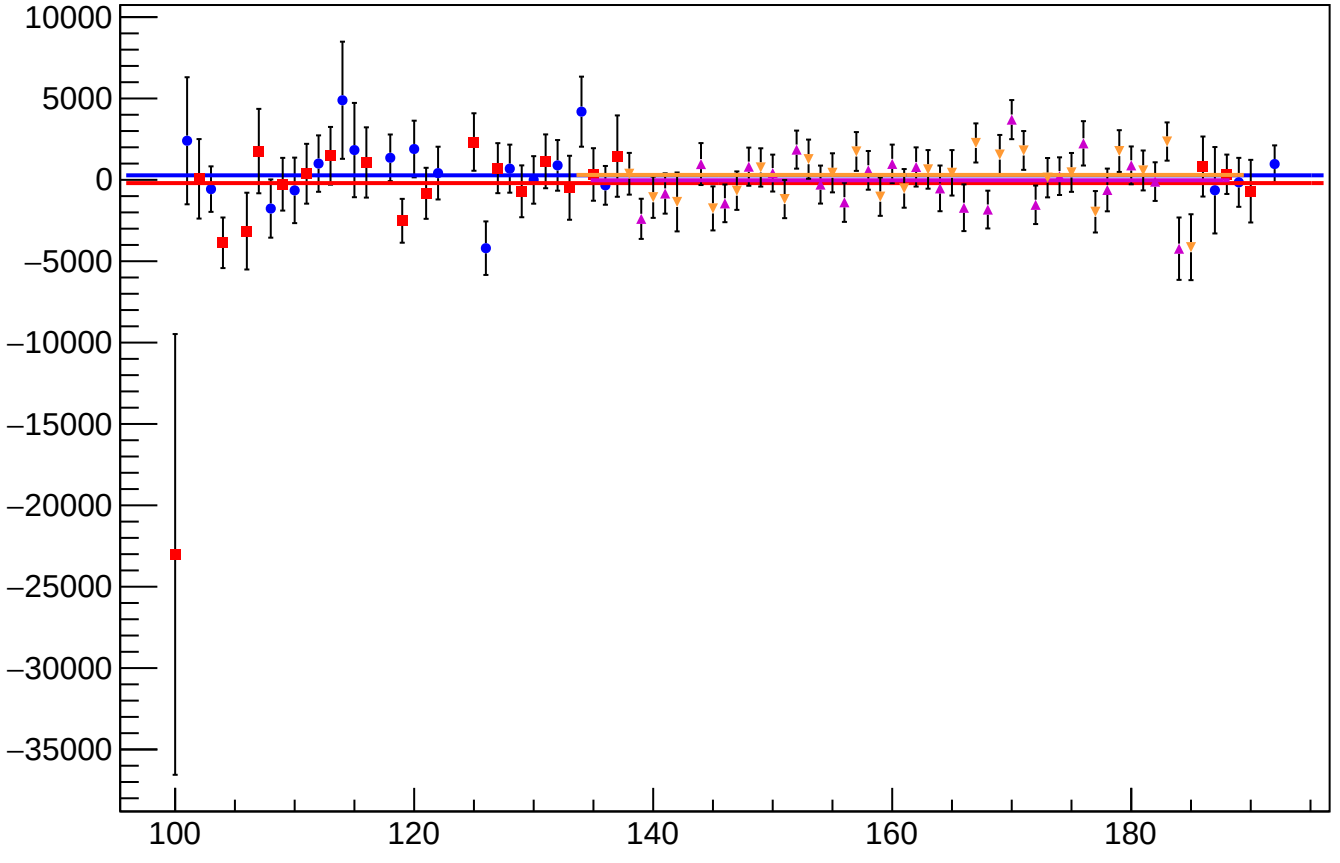
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 434.378+/-0.061 χ^2/NDF: 3748469.1/42

All: 435.165+/-0.043 χ^2/NDF: 8181273.8/86

- sign 435.974+/-0.062 χ^2/NDF: 4432466.7/43

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



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

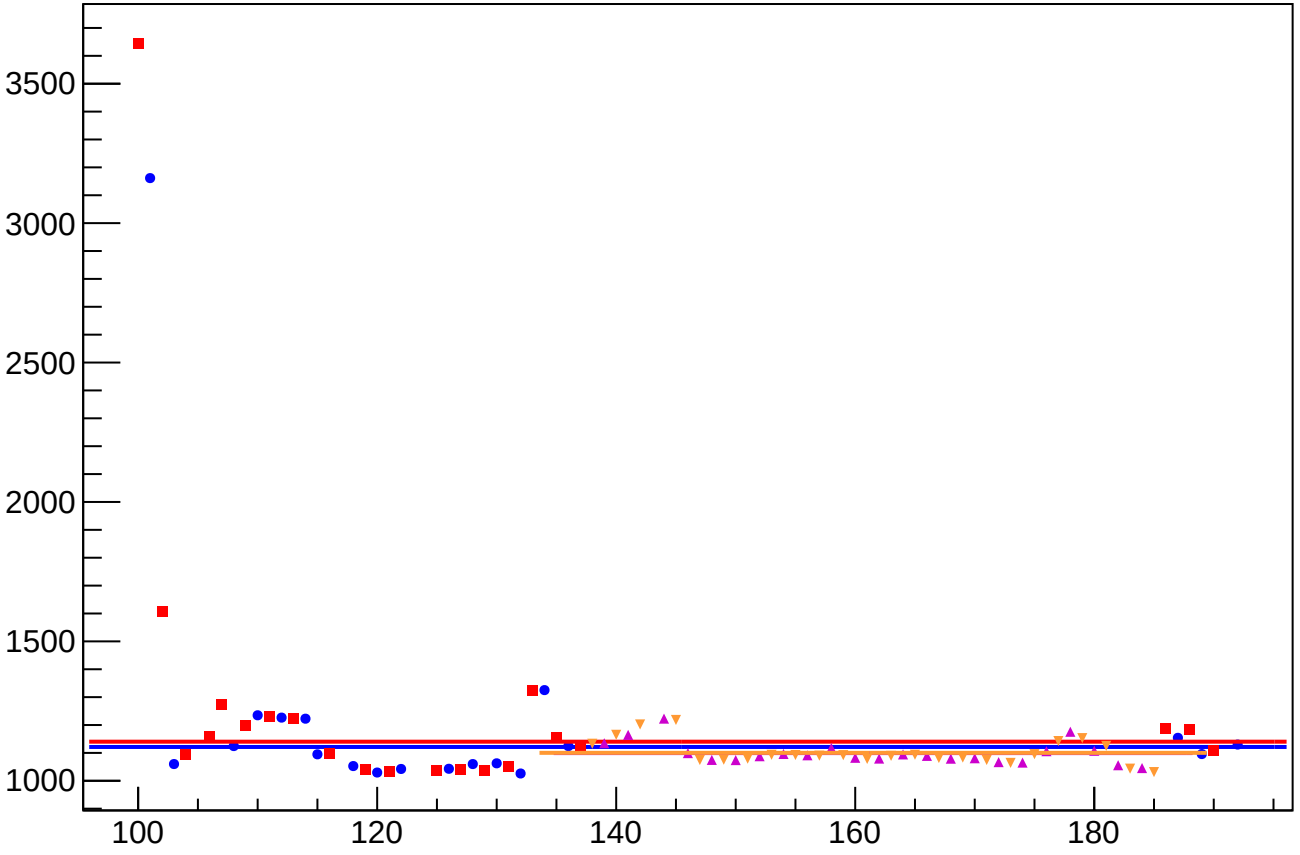
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 295.713+/-212.471 χ^2/NDF: 46.0/42

All: 110.194+/-150.852 χ^2/NDF: 102.9/86

- sign -78.380+/-214.214 χ^2/NDF: 55.3/43

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1121.297+/-0.270 χ^2/NDF: 618015.7/18

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

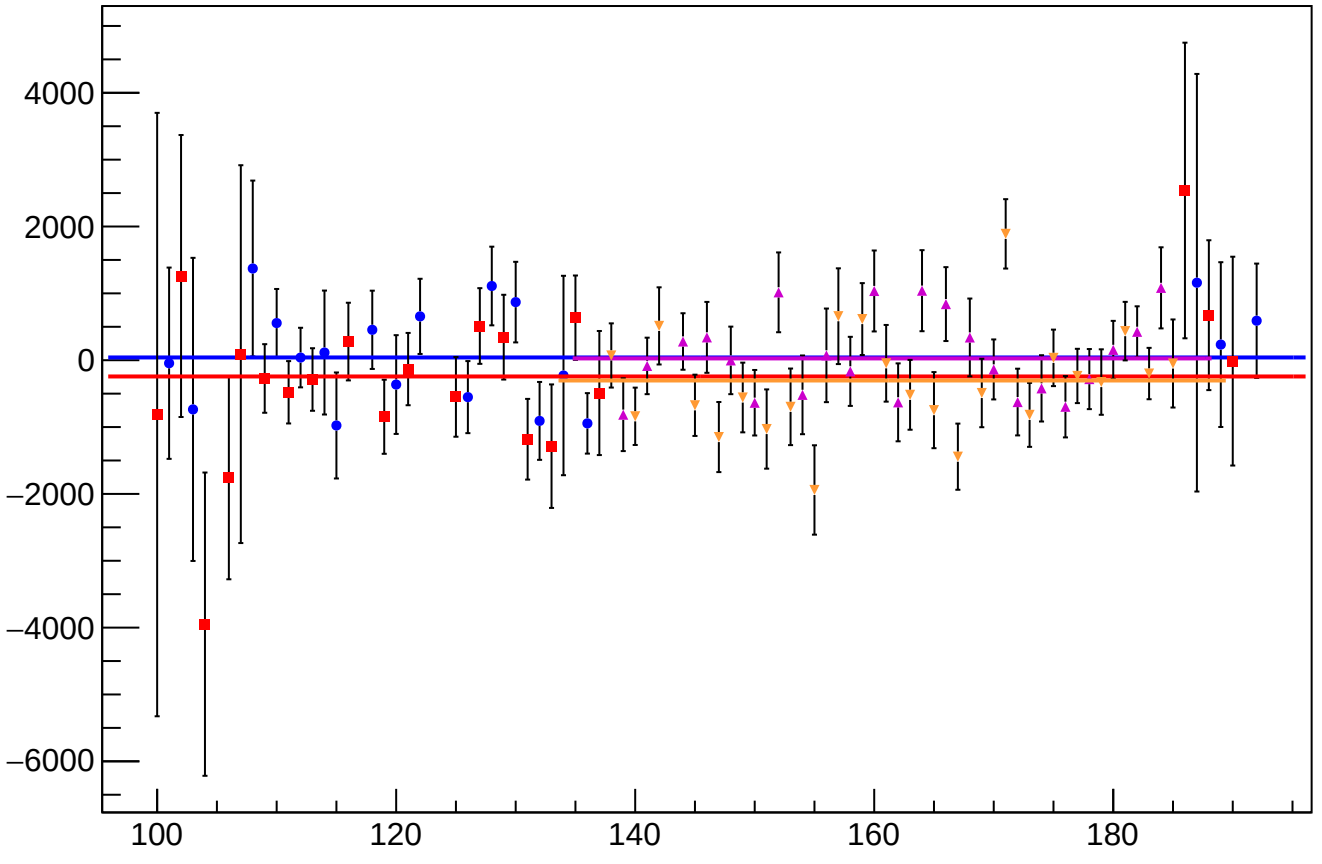
Right Out: 1140.265+/-0.274 χ^2/NDF: 232249.5/20

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1106.754+/-0.150 χ^2/NDF: 670975.2/42

All: 1109.258+/-0.107 χ^2/NDF: 964029.5/86

- sign 1111.804+/-0.151 χ^2/NDF: 292494.1/43



Right In: 41.290+/-157.512 χ^2/NDF: 20.2/18

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

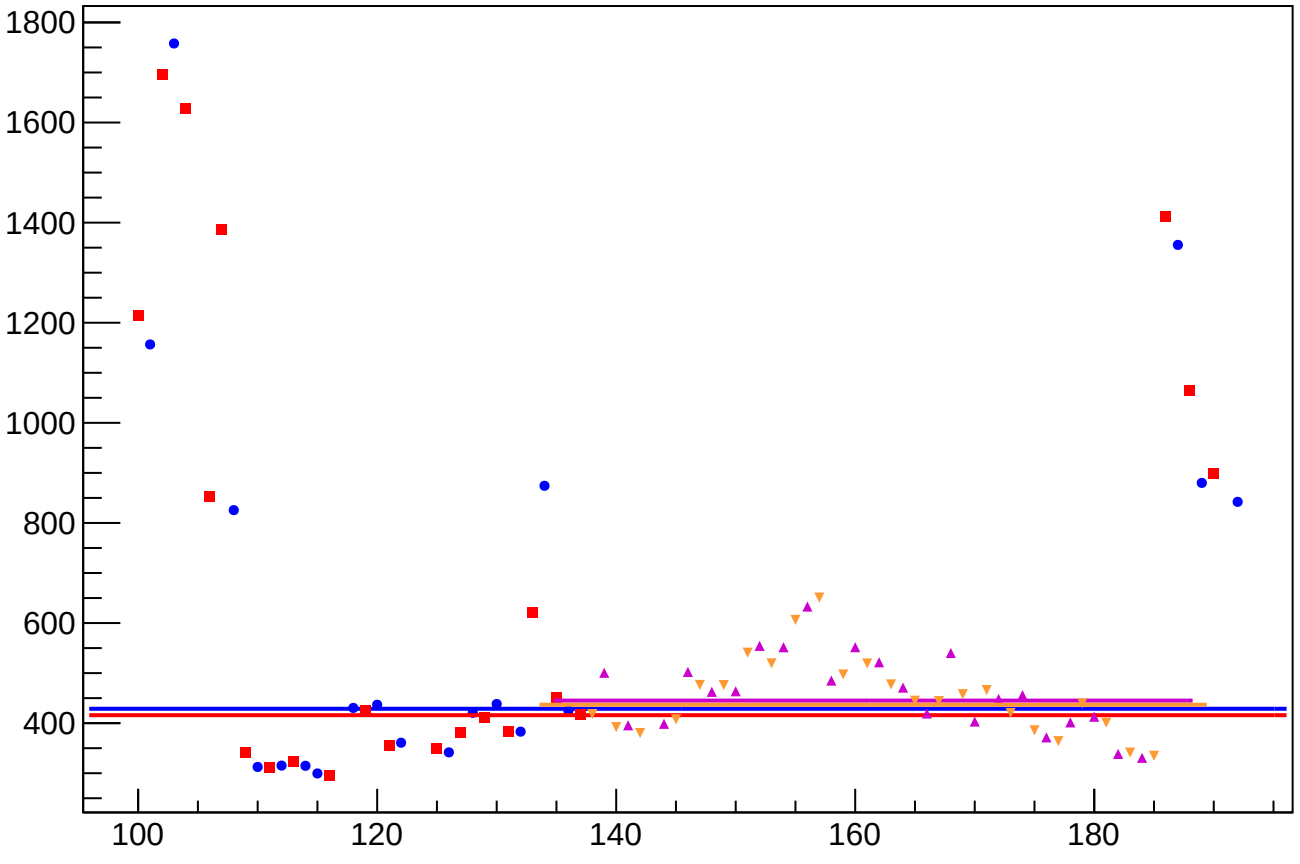
Right Out: -243.112+/-156.074 χ^2/NDF: 17.4/20

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -200.057+/-86.193 χ^2/NDF: 73.1/42

All: -129.887+/-61.356 χ^2/NDF: 121.8/86

- sign -57.804+/-87.359 χ^2/NDF: 47.3/43



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

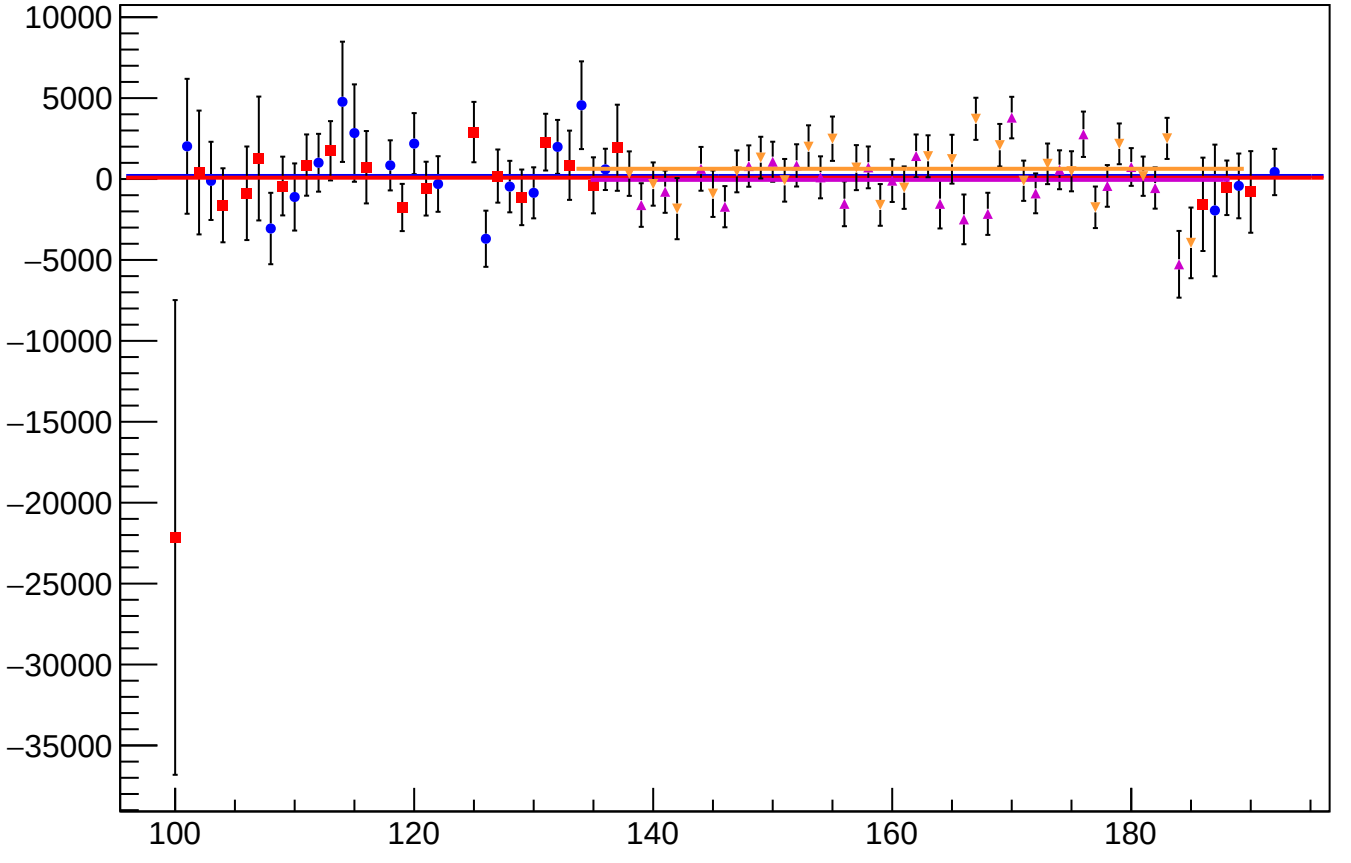
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 434.377+/-0.061 χ^2/NDF: 3748505.7/42

All: 435.164+/-0.043 χ^2/NDF: 8181366.3/86

- sign 435.972+/-0.062 χ^2/NDF: 4432522.6/43

asym_us_dd_atlr_dd_dd_mean vs Slug



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

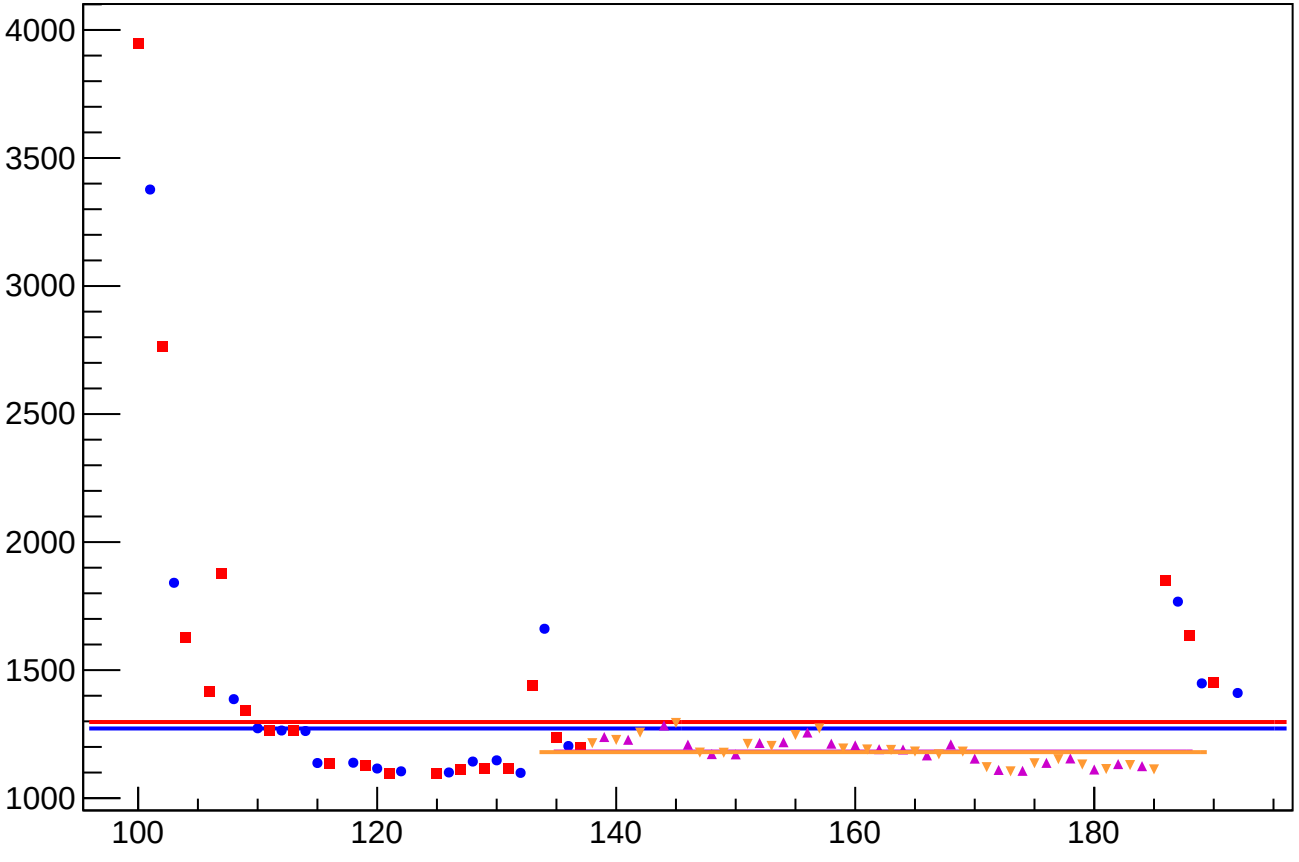
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 507.374+/-232.165 χ^2/NDF: 47.4/42

All: 249.837+/-165.138 χ^2/NDF: 96.6/86

- sign -13.894+/-234.940 χ^2/NDF: 46.7/43

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1272.045+/-0.309 χ^2/NDF: 855685.2/18

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

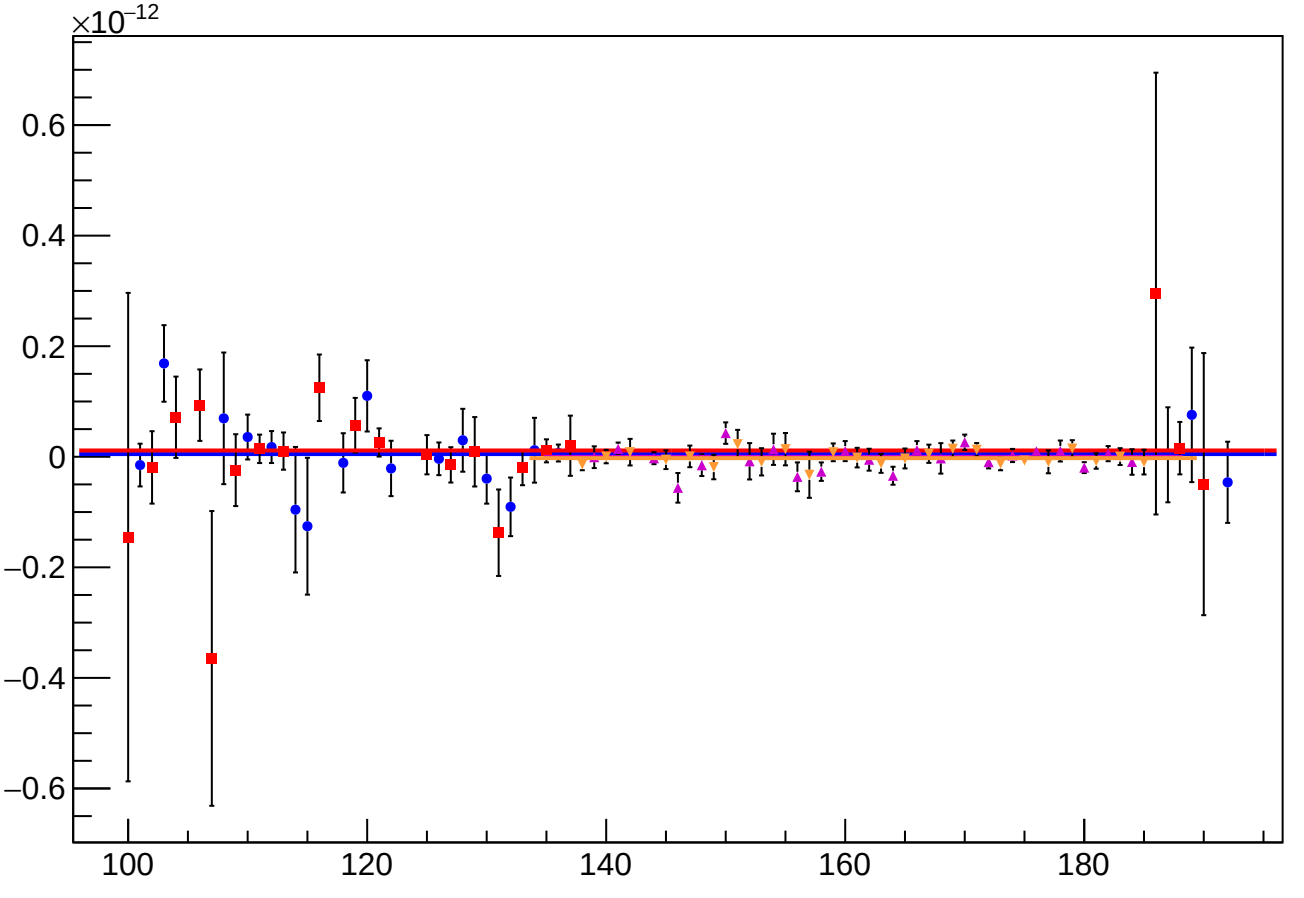
Right Out: 1297.330+/-0.316 χ^2/NDF: 787839.2/20

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

+ sign 1205.785+/-0.164 χ^2/NDF: 984453.5/42

All: 1209.765+/-0.117 χ^2/NDF: 1930375.0/86

- sign 1213.840+/-0.166 χ^2/NDF: 944732.1/43



Right In: 0.000+/-0.000 χ^2/NDF: 17.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

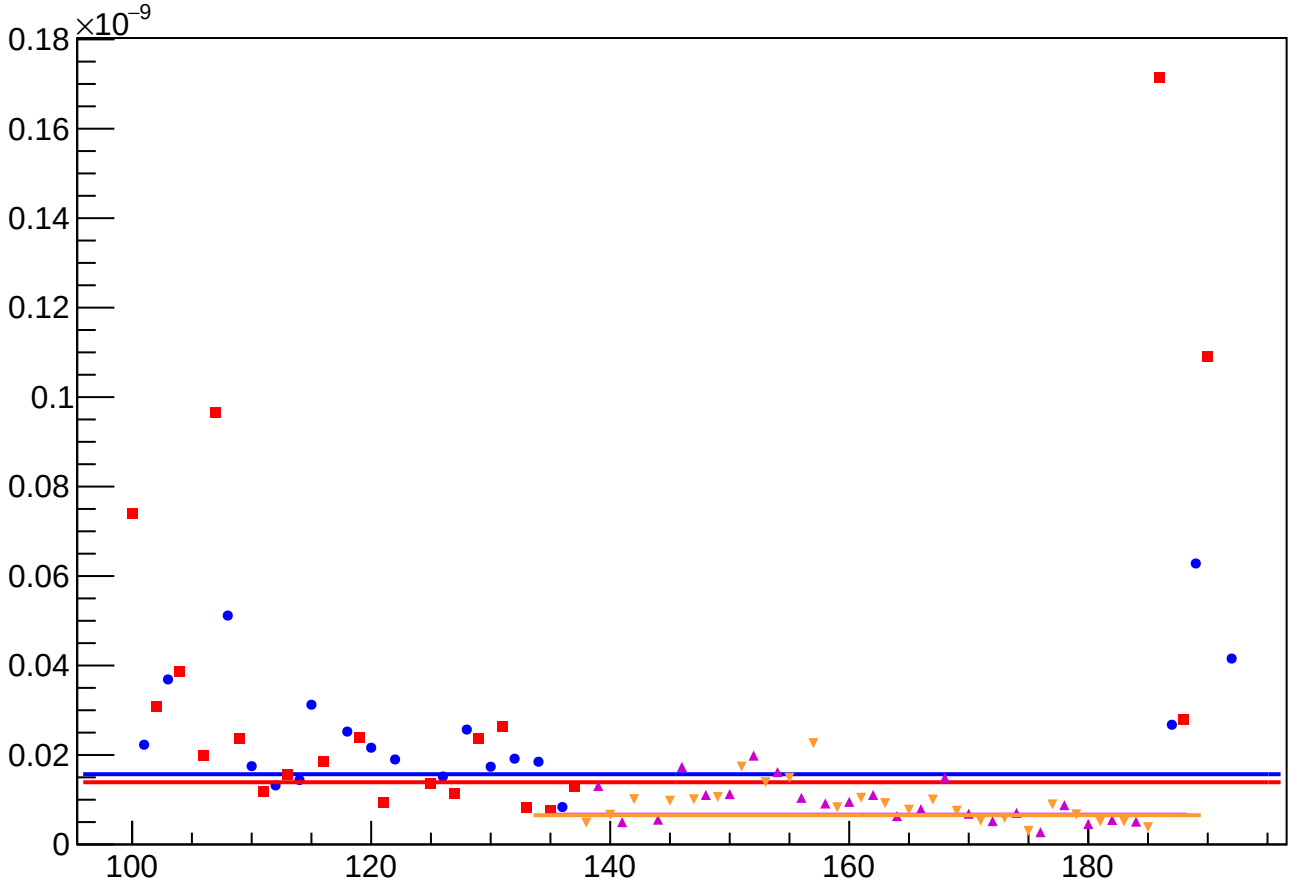
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/20

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 28.2/42

All: -0.000+/-0.000 χ^2/NDF: 78.2/86

- sign 0.000+/-0.000 χ^2/NDF: 49.6/43



Right In: 0.000+/-0.000 χ^2/NDF: 1679079.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

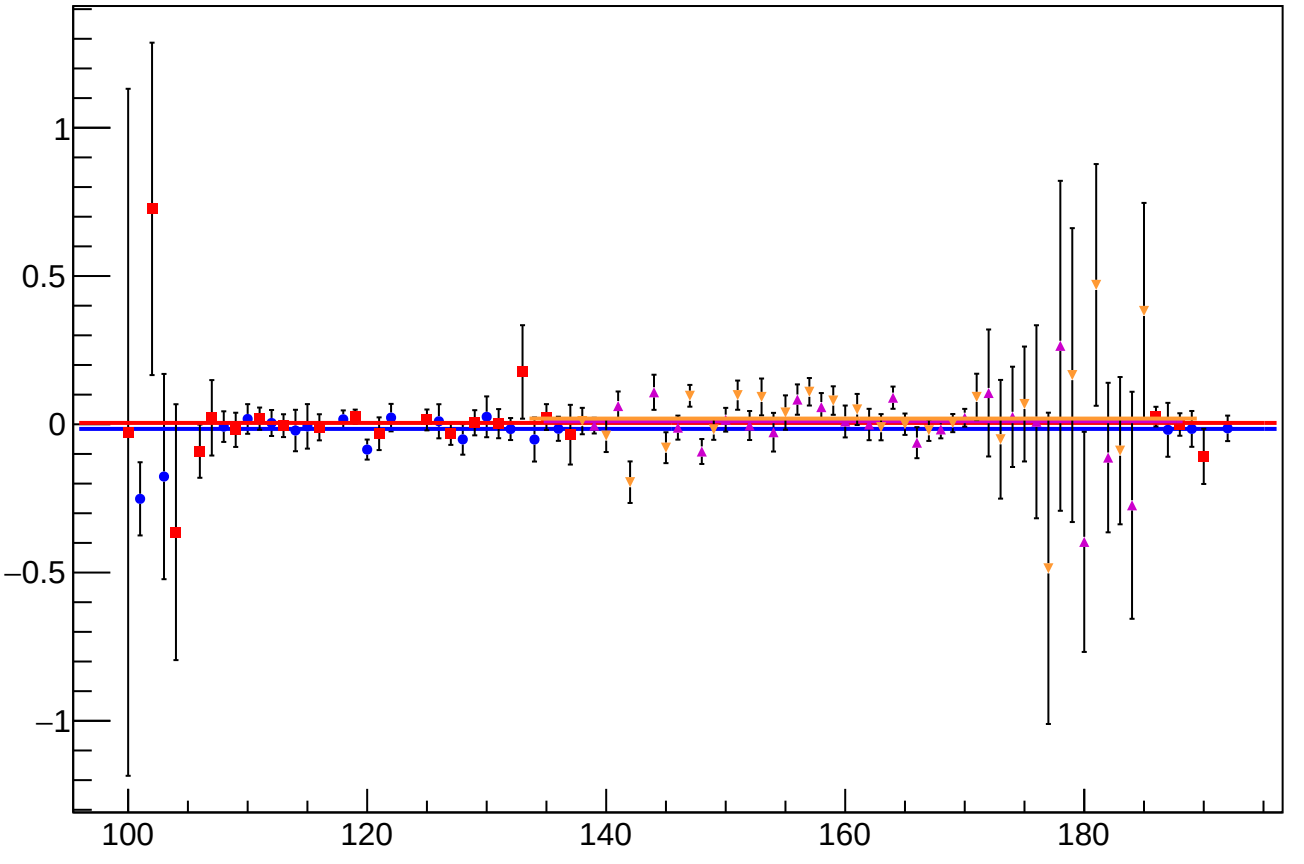
Right Out: 0.000+/-0.000 χ^2/NDF: 2005244.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5704197.0/42

All: 0.000+/-0.000 χ^2/NDF: 11374650.0/86

- sign 0.000+/-0.000 χ^2/NDF: 5670437.5/43



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/18

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

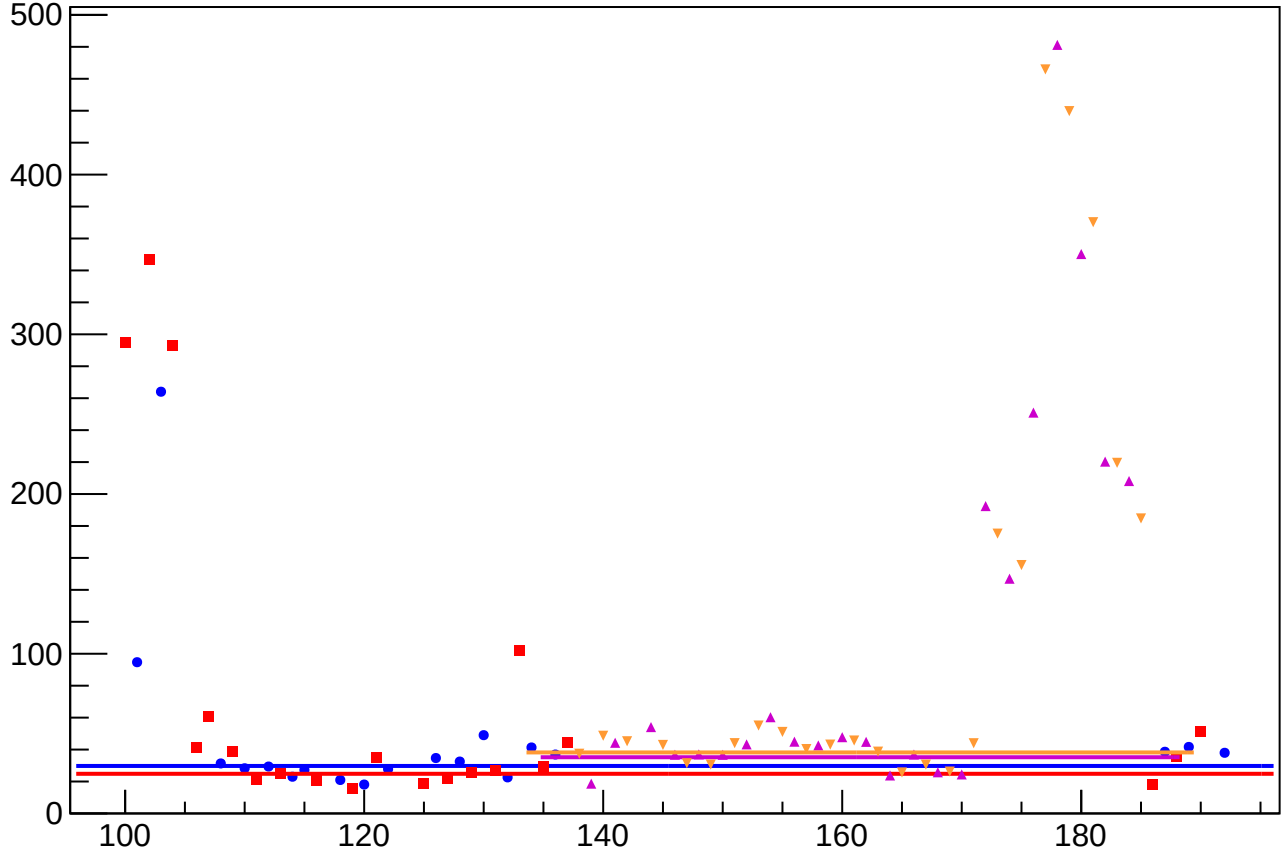
Right Out: 0.005+/-0.010 χ^2/NDF: 9.8/20

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 52.7/42

All: 0.005+/-0.005 χ^2/NDF: 86.4/86

- sign 0.007+/-0.007 χ^2/NDF: 33.5/43



Right In: 29.743+/-0.008 χ^2/NDF: 2439329.2/18

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

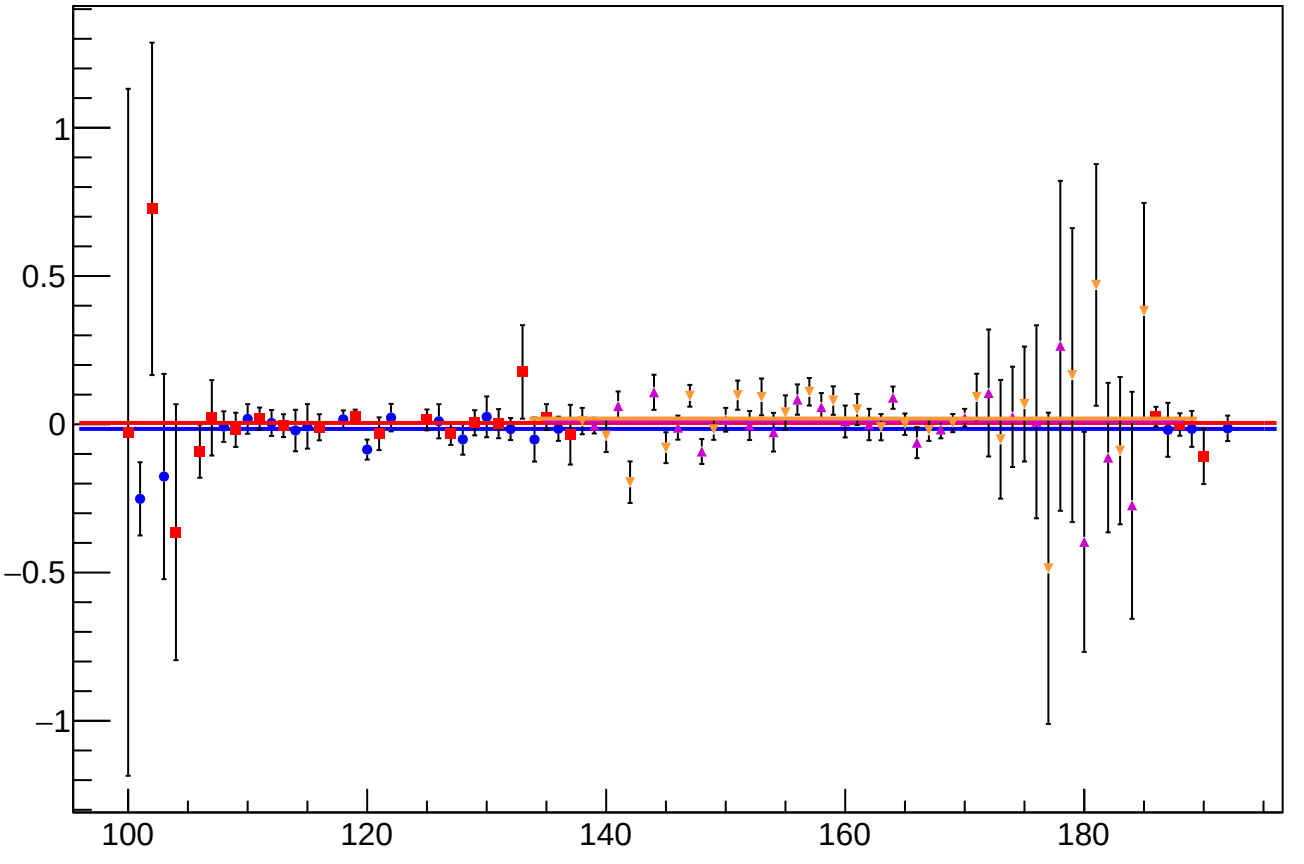
Right Out: 24.830+/-0.007 χ^2/NDF: 3341248.6/20

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.246+/-0.006 χ^2/NDF: 11299204.5/42

All: 31.981+/-0.004 χ^2/NDF: 25350688.2/86

- sign 30.048+/-0.005 χ^2/NDF: 13745283.6/43



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/18

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

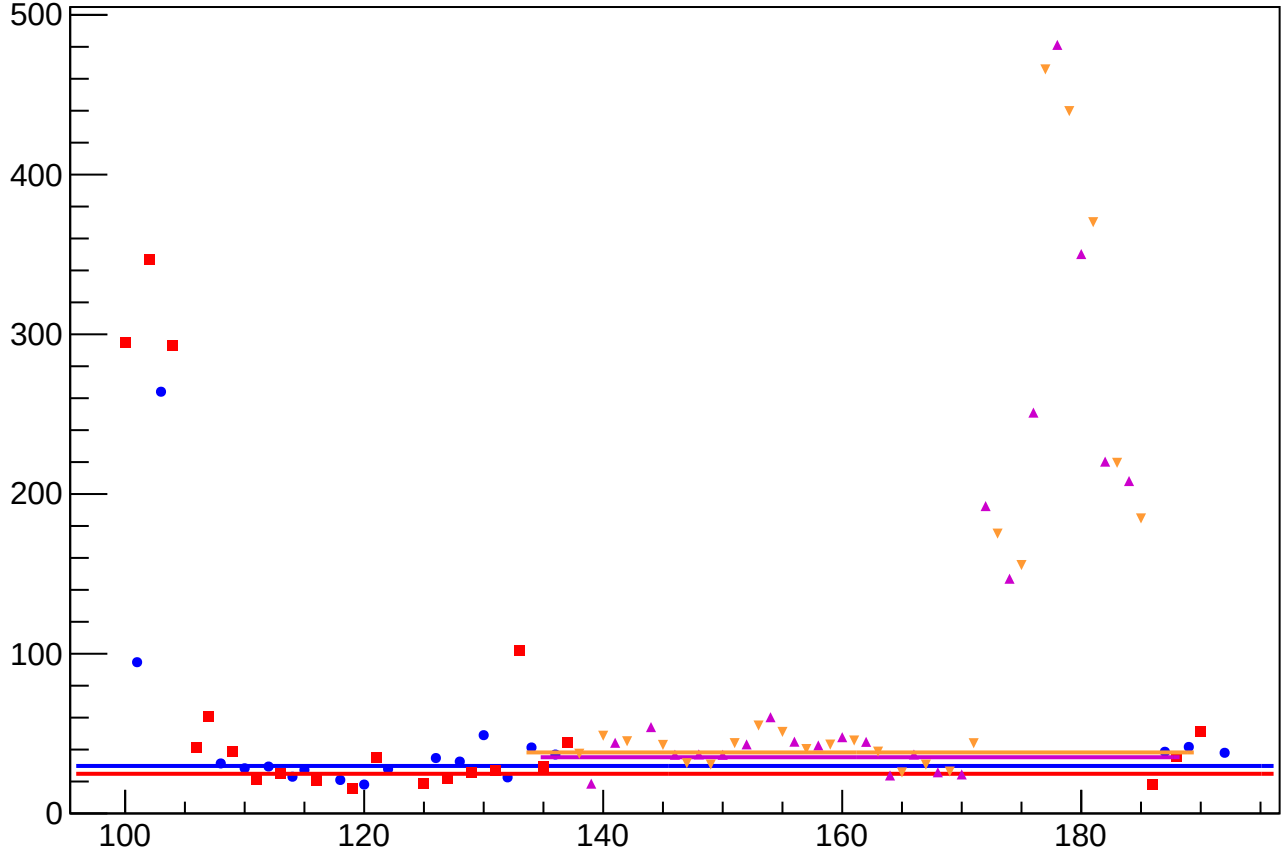
Right Out: 0.005+/-0.010 χ^2/NDF: 9.8/20

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 52.7/42

All: 0.005+/-0.005 χ^2/NDF: 86.4/86

- sign 0.007+/-0.007 χ^2/NDF: 33.5/43



Right In: 29.743+/-0.008 χ^2/NDF: 2439329.2/18

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

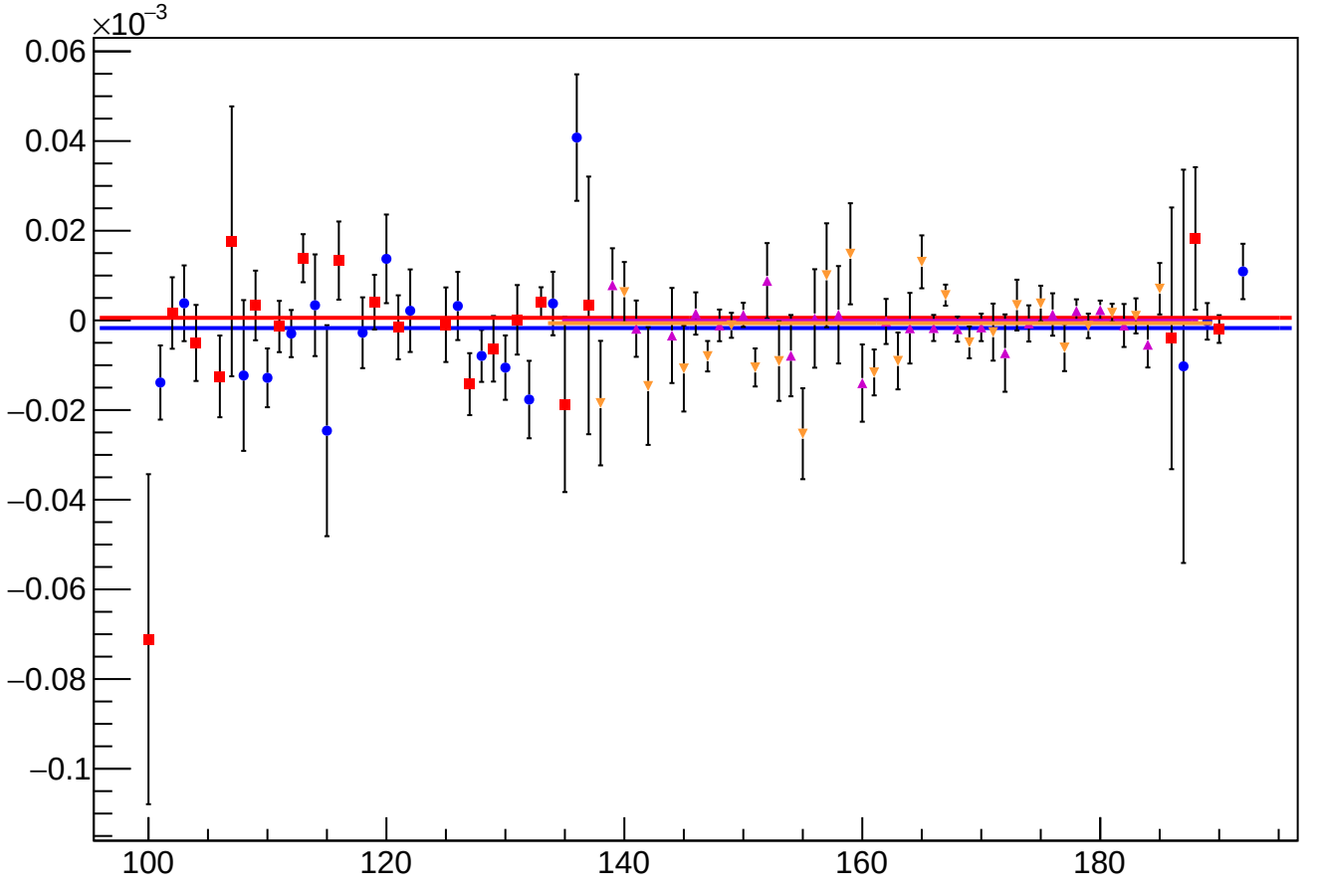
Right Out: 24.830+/-0.007 χ^2/NDF: 3341248.6/20

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.246+/-0.006 χ^2/NDF: 11299204.5/42

All: 31.981+/-0.004 χ^2/NDF: 25350688.2/86

- sign 30.048+/-0.005 χ^2/NDF: 13745283.6/43



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

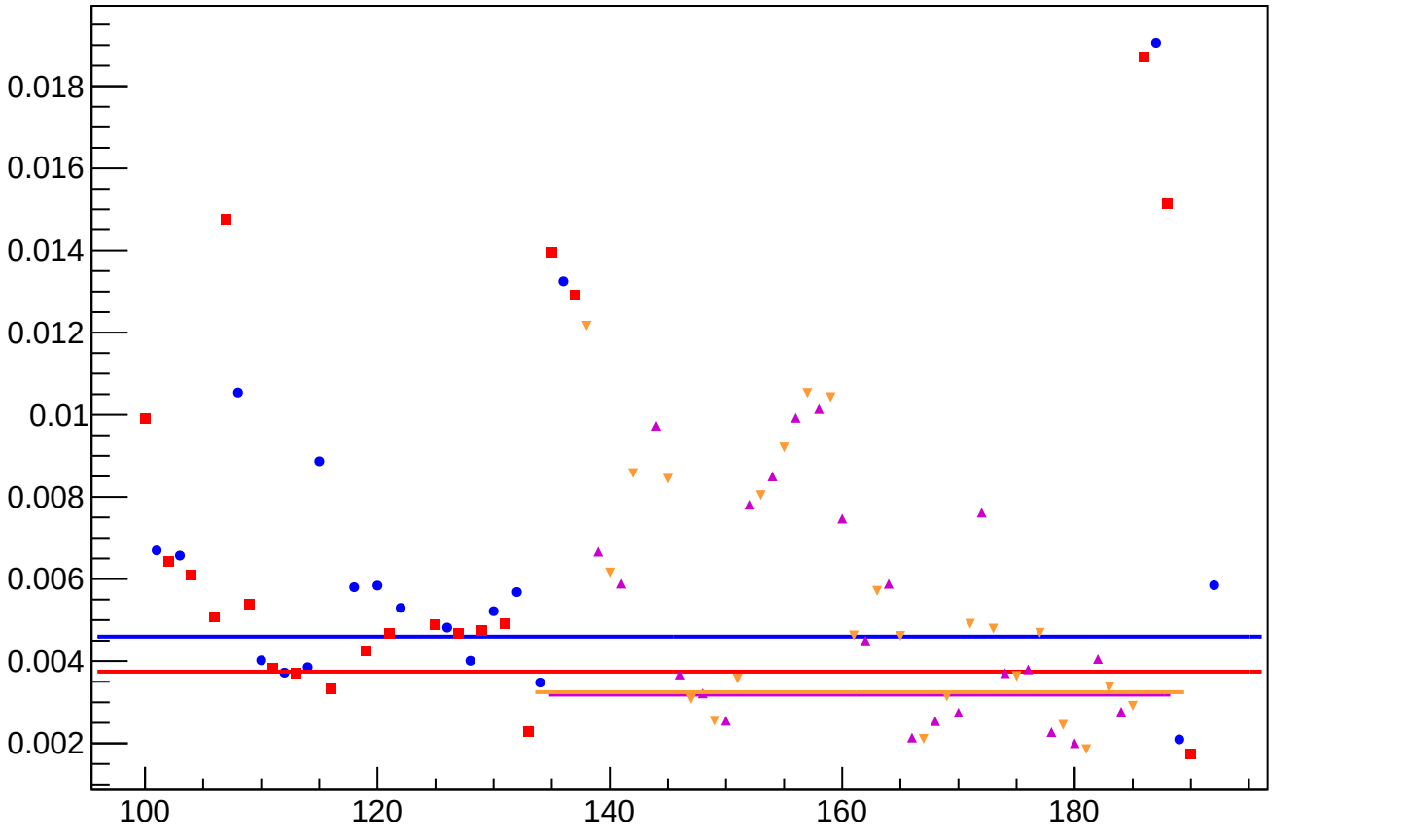
Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/20

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.7/42

All: -0.000+/-0.000 χ^2/NDF: 118.6/86

- sign 0.000+/-0.000 χ^2/NDF: 36.2/43



Right In: 0.005+/-0.000 χ^2/NDF: 2646744.7/18

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

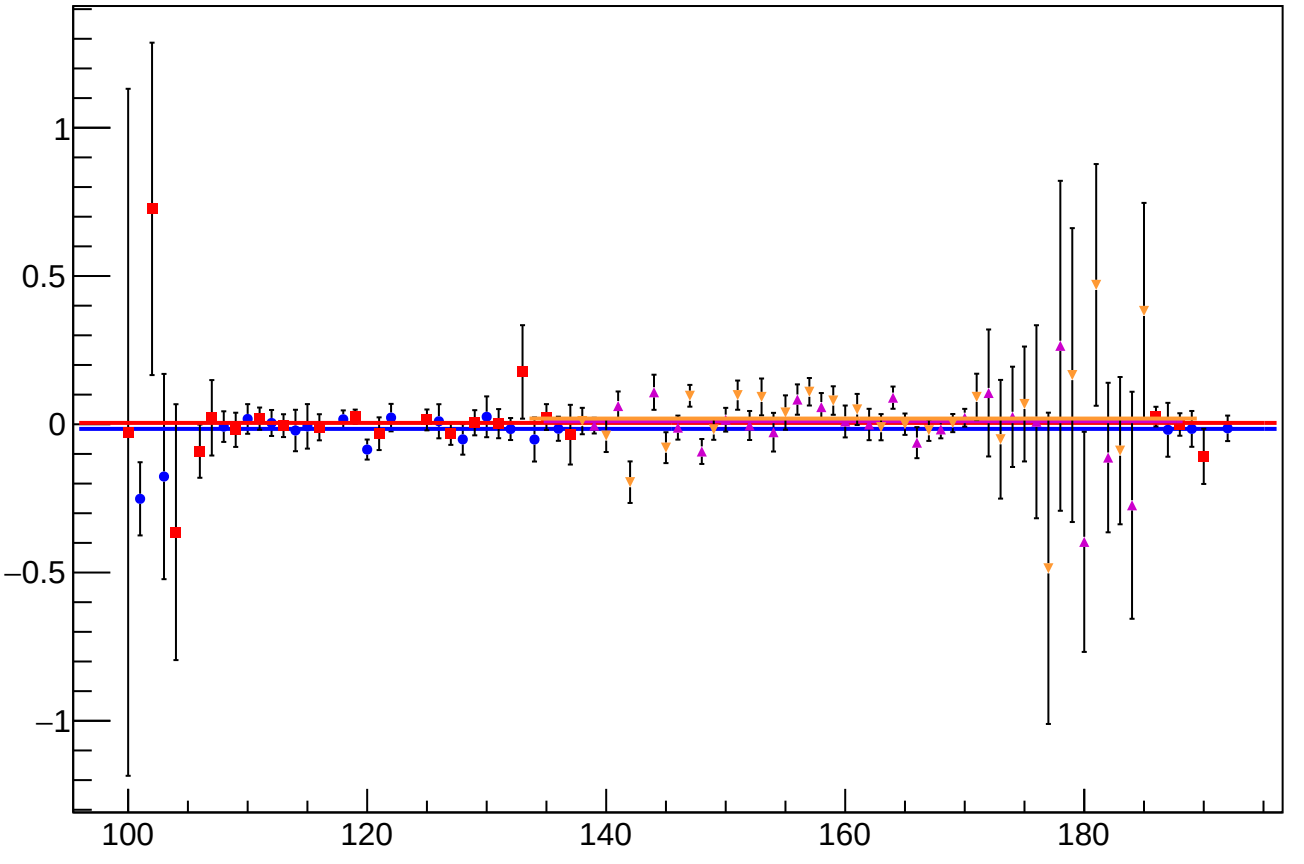
Right Out: 0.004+/-0.000 χ^2/NDF: 4563803.5/20

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 11352141.4/42

All: 0.003+/-0.000 χ^2/NDF: 23489581.5/86

- sign 0.003+/-0.000 χ^2/NDF: 12076544.2/43



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/18

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

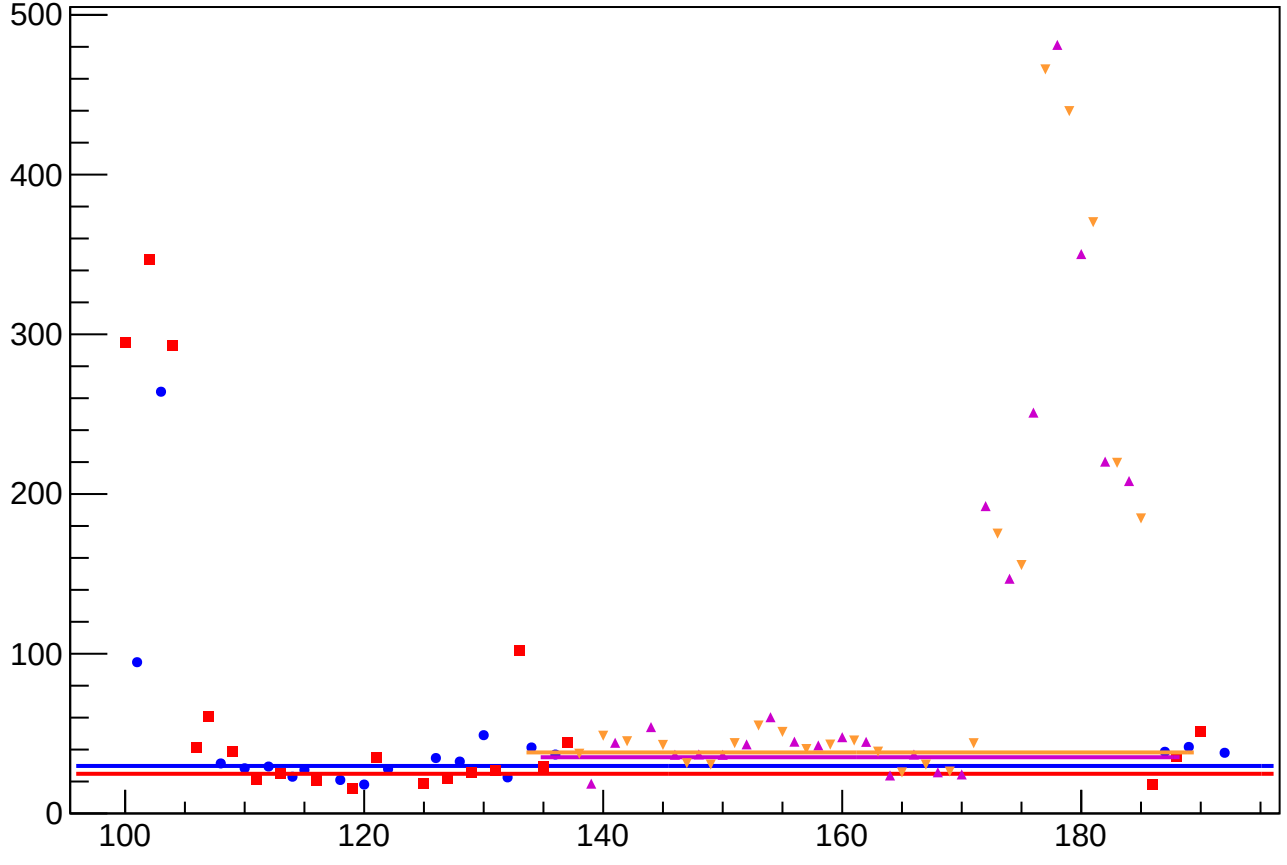
Right Out: 0.005+/-0.010 χ^2/NDF: 9.8/20

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 52.7/42

All: 0.005+/-0.005 χ^2/NDF: 86.4/86

- sign 0.007+/-0.007 χ^2/NDF: 33.5/43



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

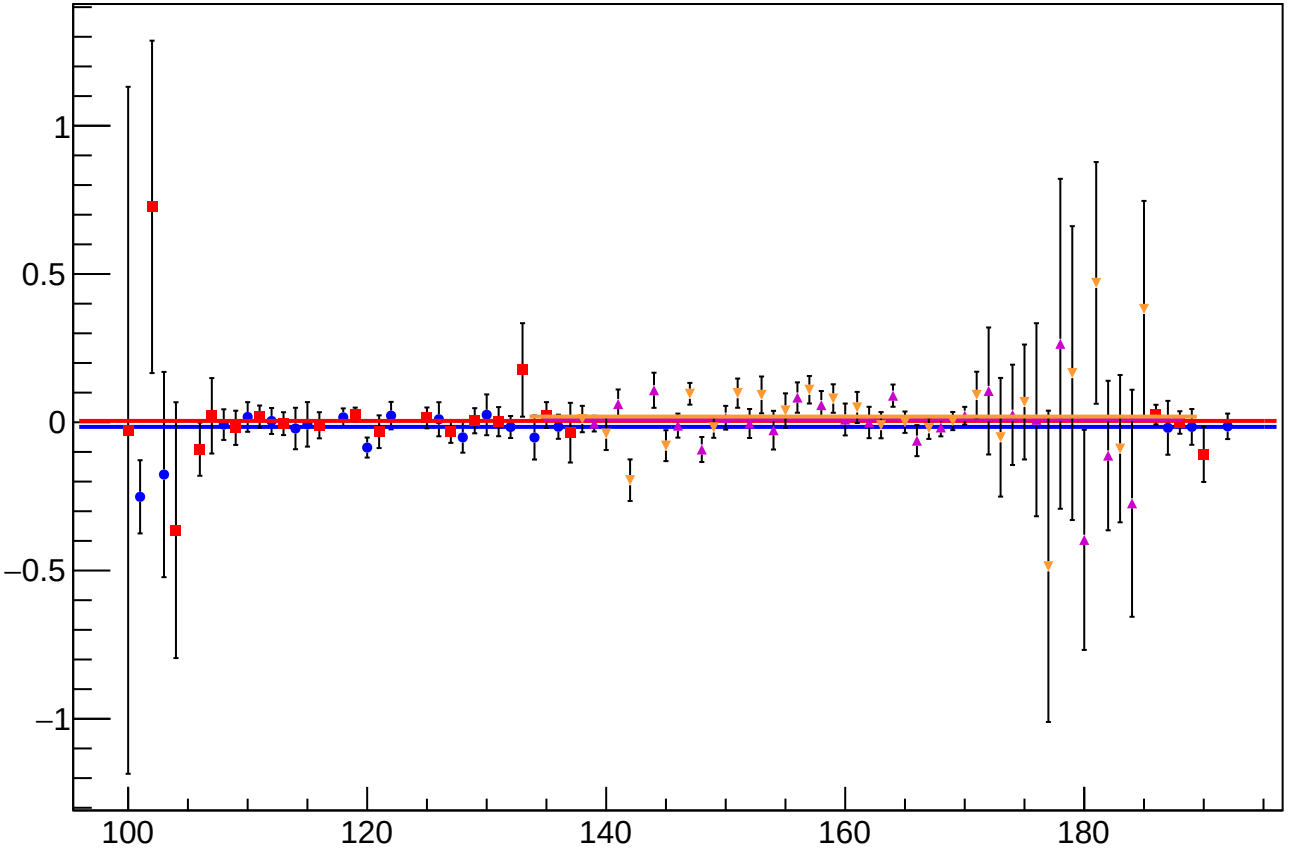
Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.246+/-0.006 χ^2/NDF: 11299369.7/42

All: 31.980+/-0.004 χ^2/NDF: 25352136.6/86

- sign 30.046+/-0.005 χ^2/NDF: 13746363.1/43

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/18

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

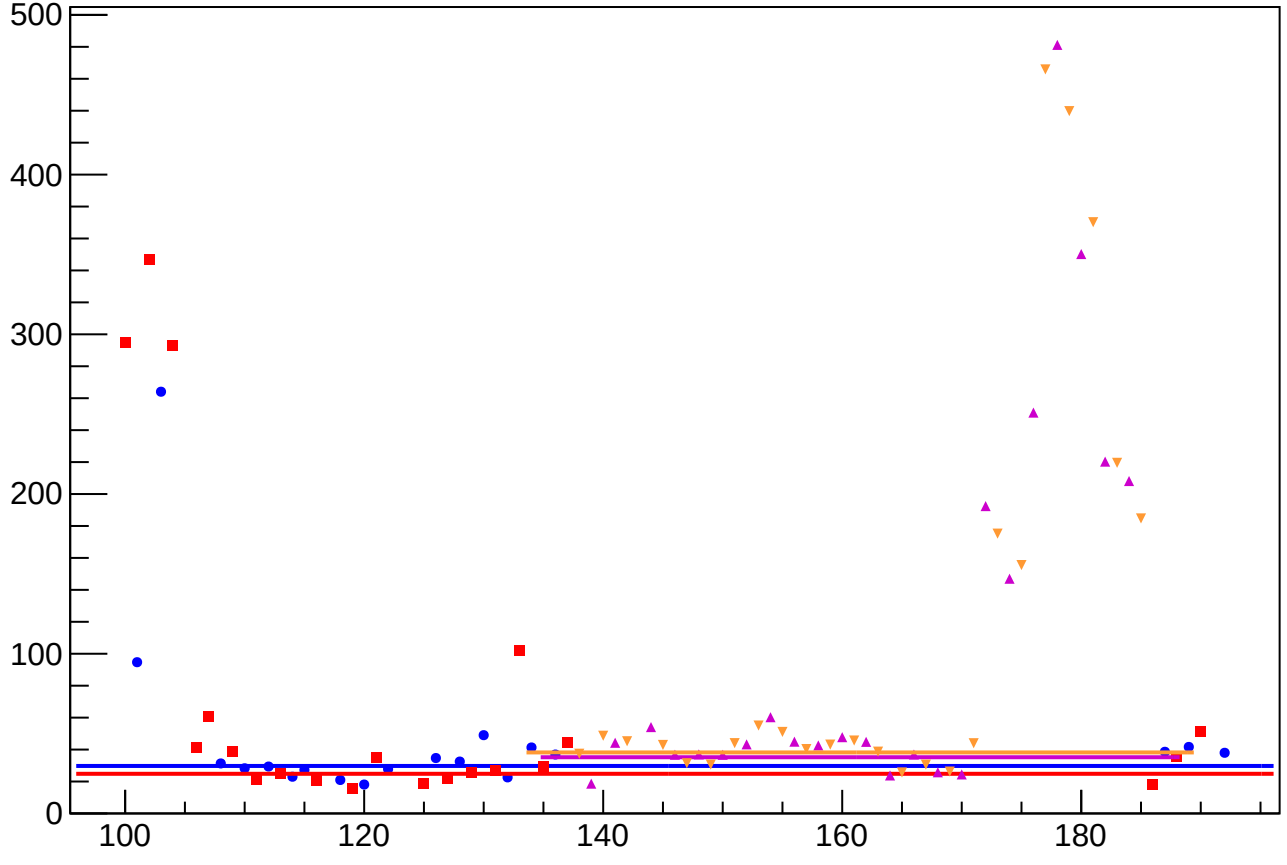
Right Out: 0.005+/-0.010 χ^2/NDF: 9.8/20

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 52.7/42

All: 0.005+/-0.005 χ^2/NDF: 86.4/86

- sign 0.007+/-0.007 χ^2/NDF: 33.5/43



Right In: 29.743+/-0.008 χ^2/NDF: 2439369.8/18

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

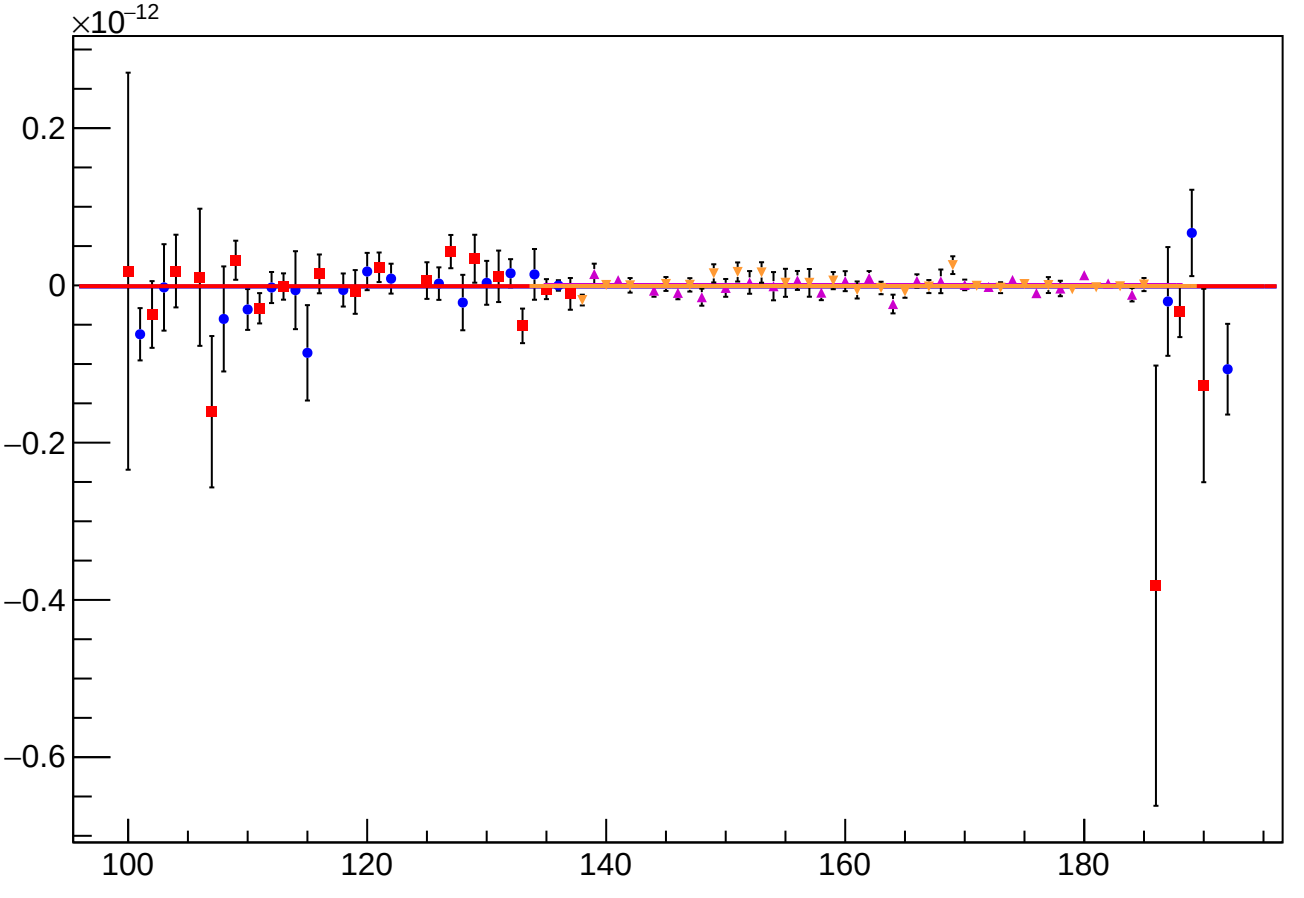
Right Out: 24.828+/-0.007 χ^2/NDF: 3341490.0/20

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.246+/-0.006 χ^2/NDF: 11299369.7/42

All: 31.980+/-0.004 χ^2/NDF: 25352136.6/86

- sign 30.046+/-0.005 χ^2/NDF: 13746363.1/43



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

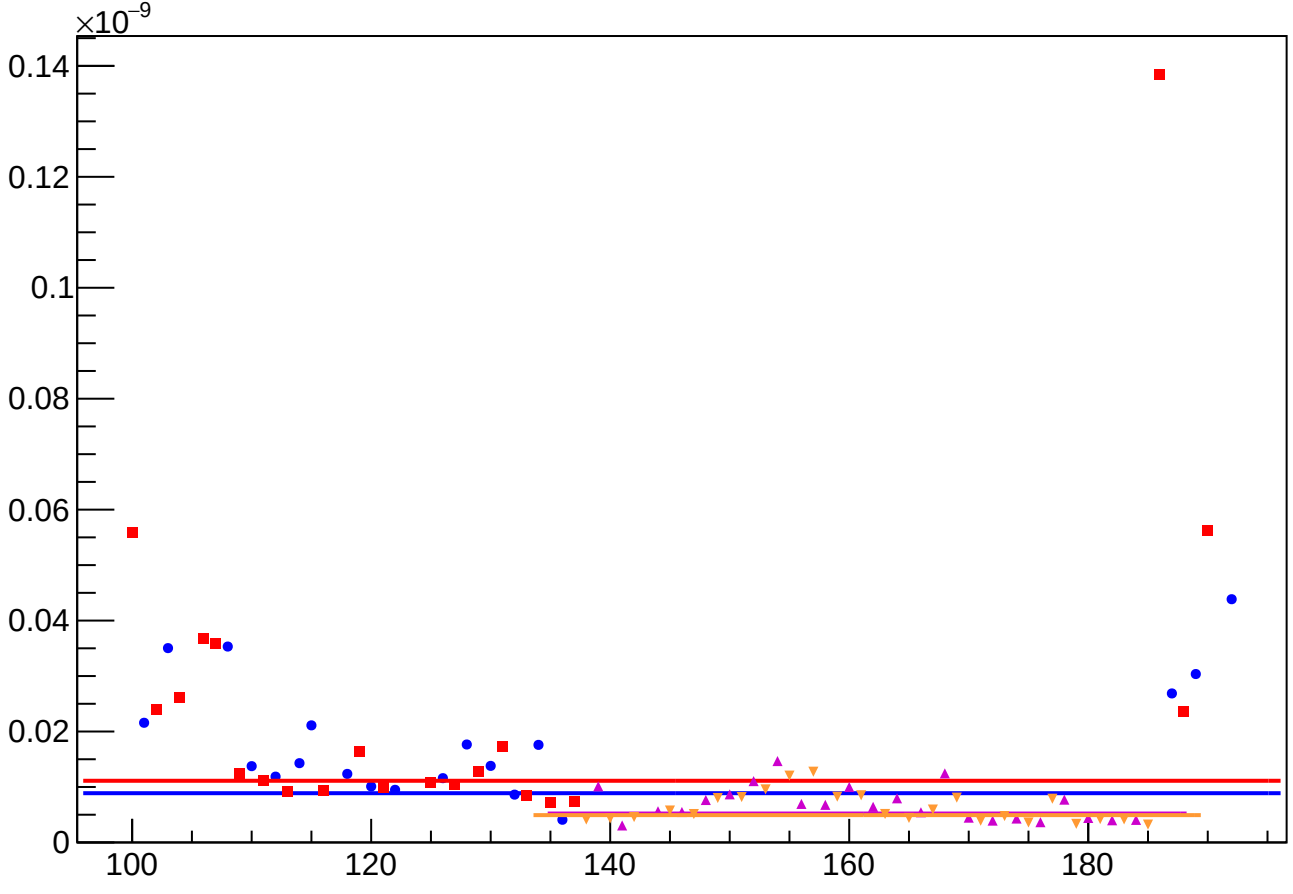
Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/20

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/42

All: -0.000+/-0.000 χ^2/NDF: 87.1/86

- sign 0.000+/-0.000 χ^2/NDF: 51.3/43



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

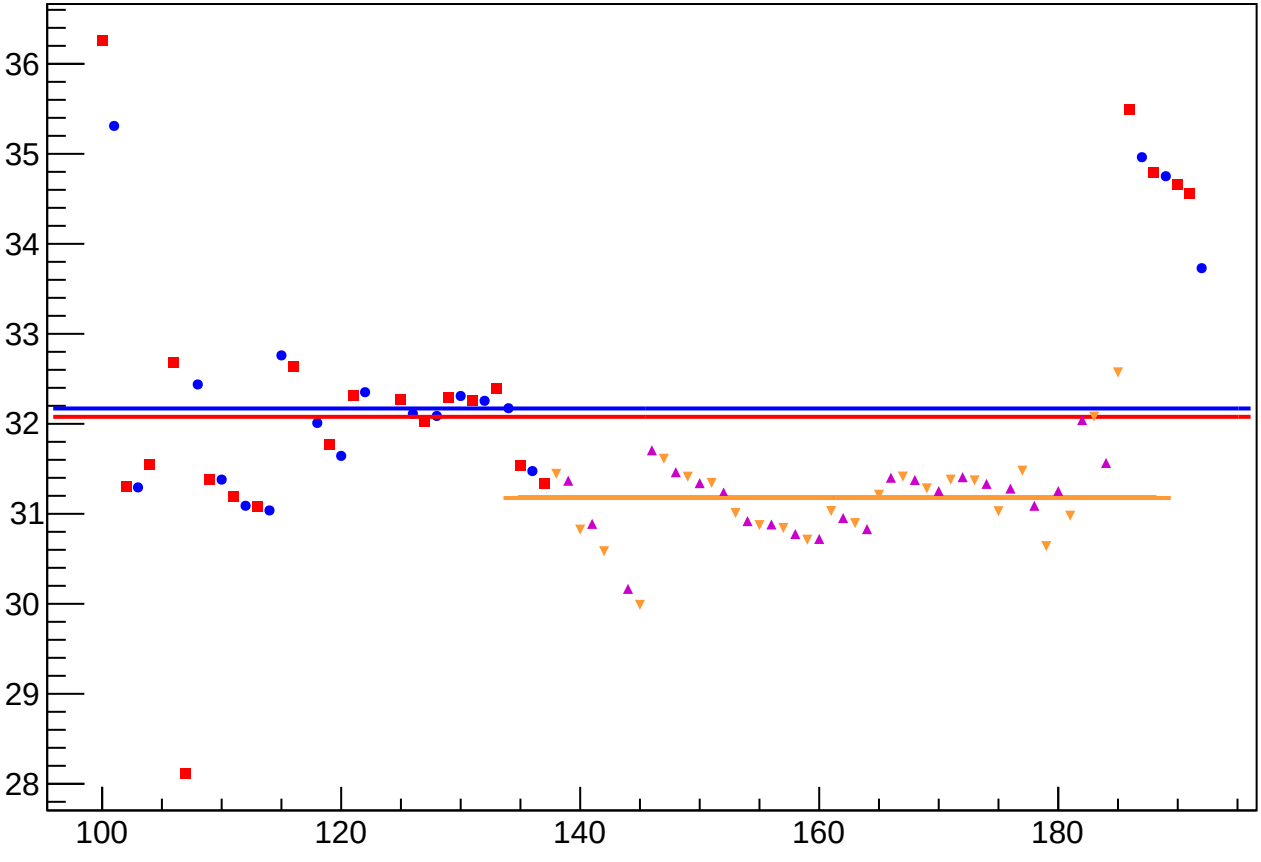
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7795874.1/42

All: 0.000+/-0.000 χ^2/NDF: 15621689.0/86

- sign 0.000+/-0.000 χ^2/NDF: 7766366.2/43

yield_usl_mean vs Slug



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

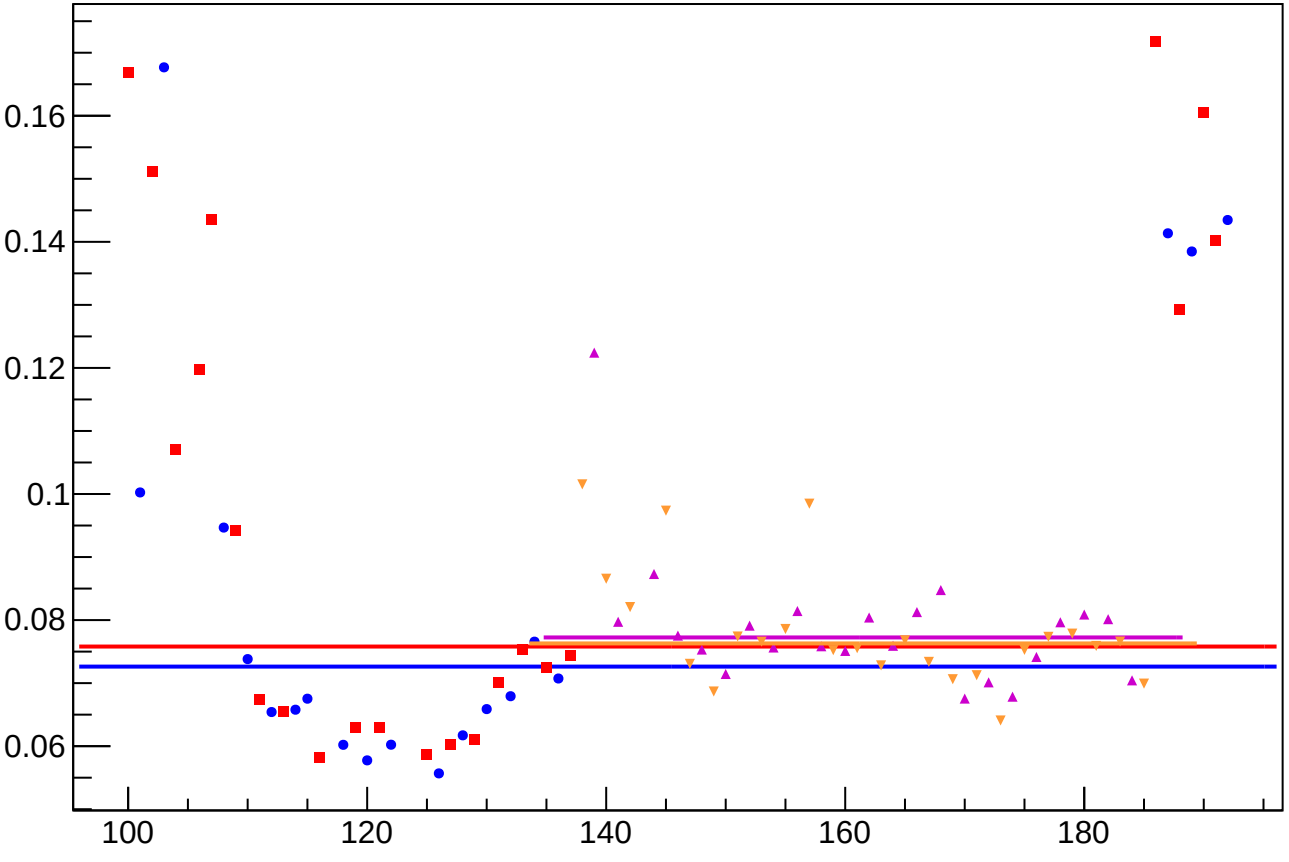
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.504+/-0.000 χ^2/NDF: 2746593247.0/42

All: 31.489+/-0.000 χ^2/NDF: 5126642479.7/8

- sign 31.473+/-0.000 χ^2/NDF: 2377930091.8/44

yield_usl_rms vs Slug



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

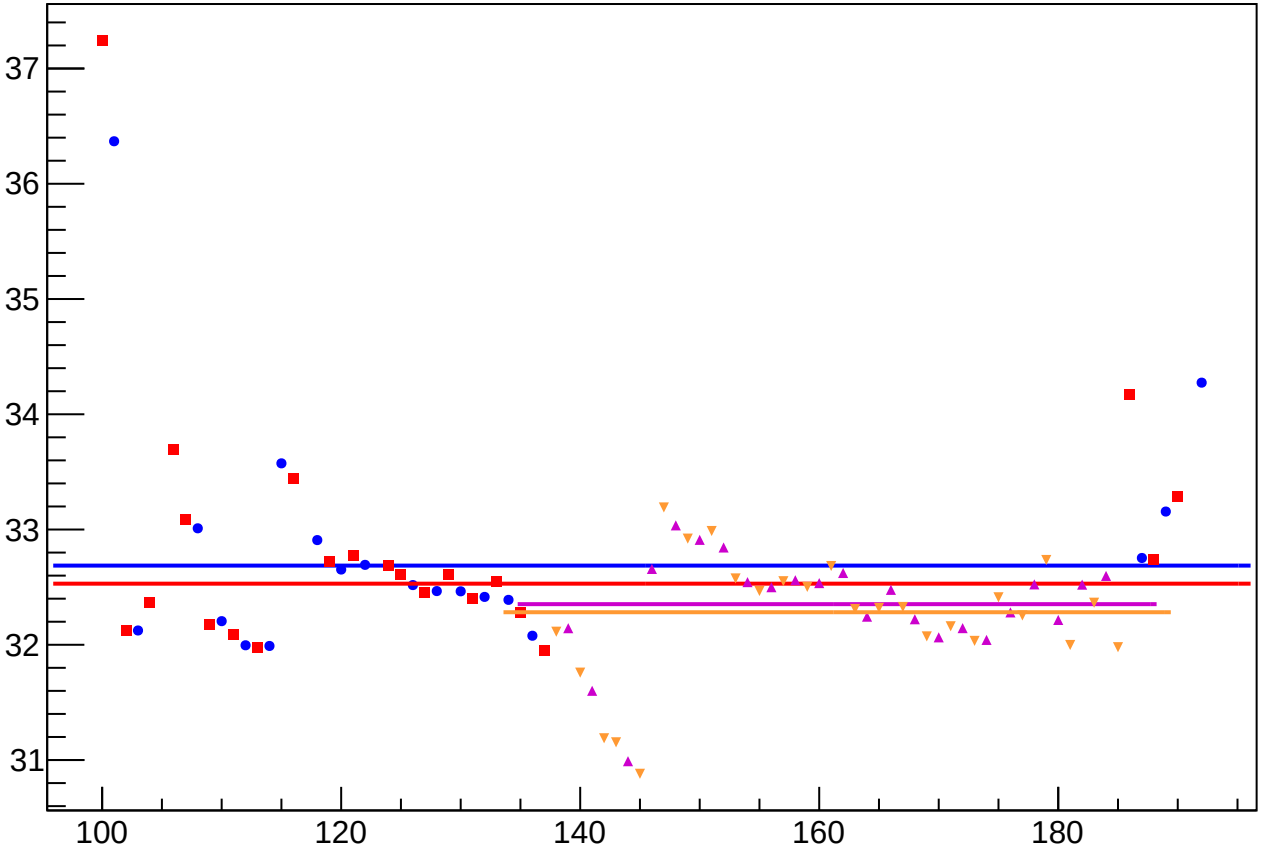
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.075+/-0.000 χ^2/NDF: 1914002.7/42

All: 0.076+/-0.000 χ^2/NDF: 4080012.5/87

- sign 0.077+/-0.000 χ^2/NDF: 2153950.8/44

yield_usr_mean vs Slug



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

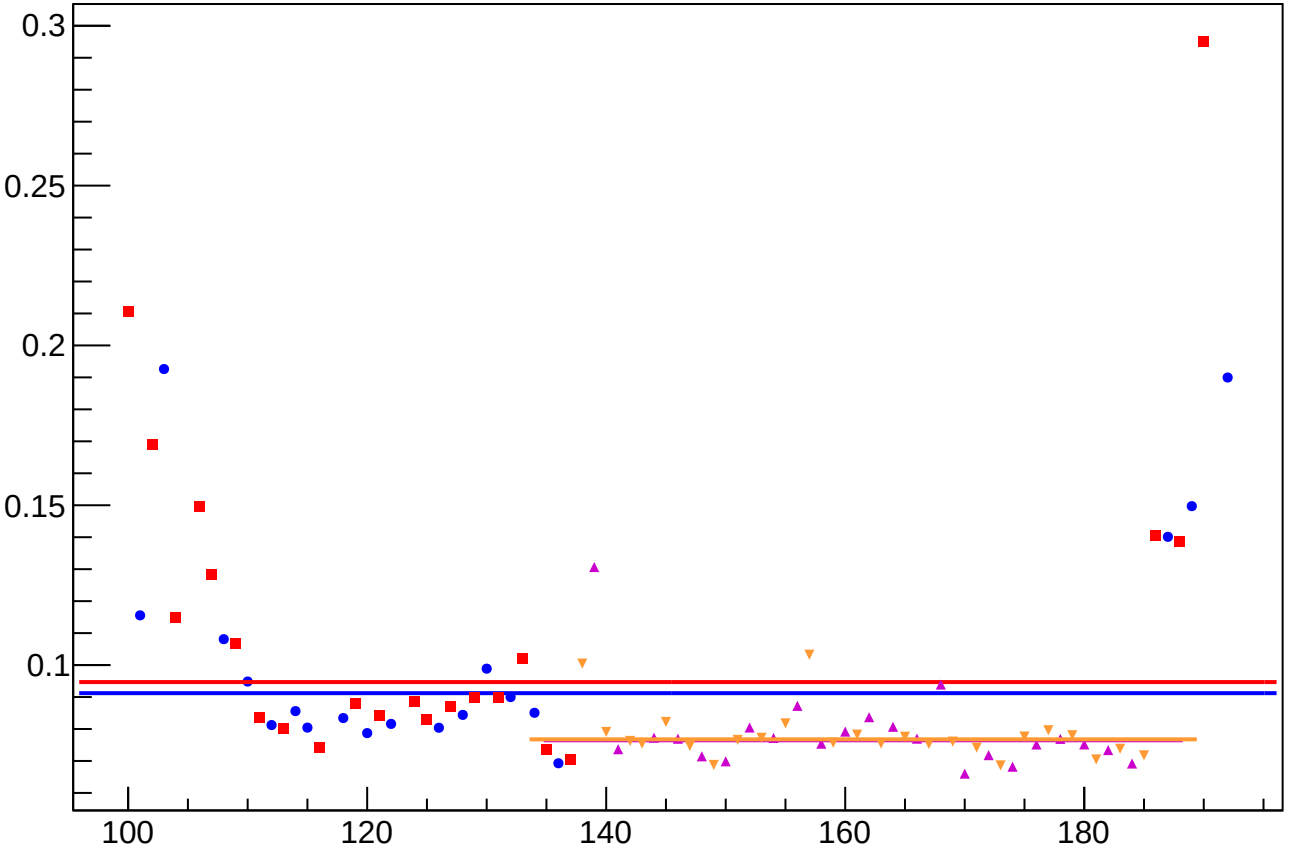
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.376+/-0.000 χ^2/NDF: 1766371864.8/43

All: 32.384+/-0.000 χ^2/NDF: 2594657366.7/8

- sign 32.393+/-0.000 χ^2/NDF: 827684486.8/44

yield_usr_rms vs Slug



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

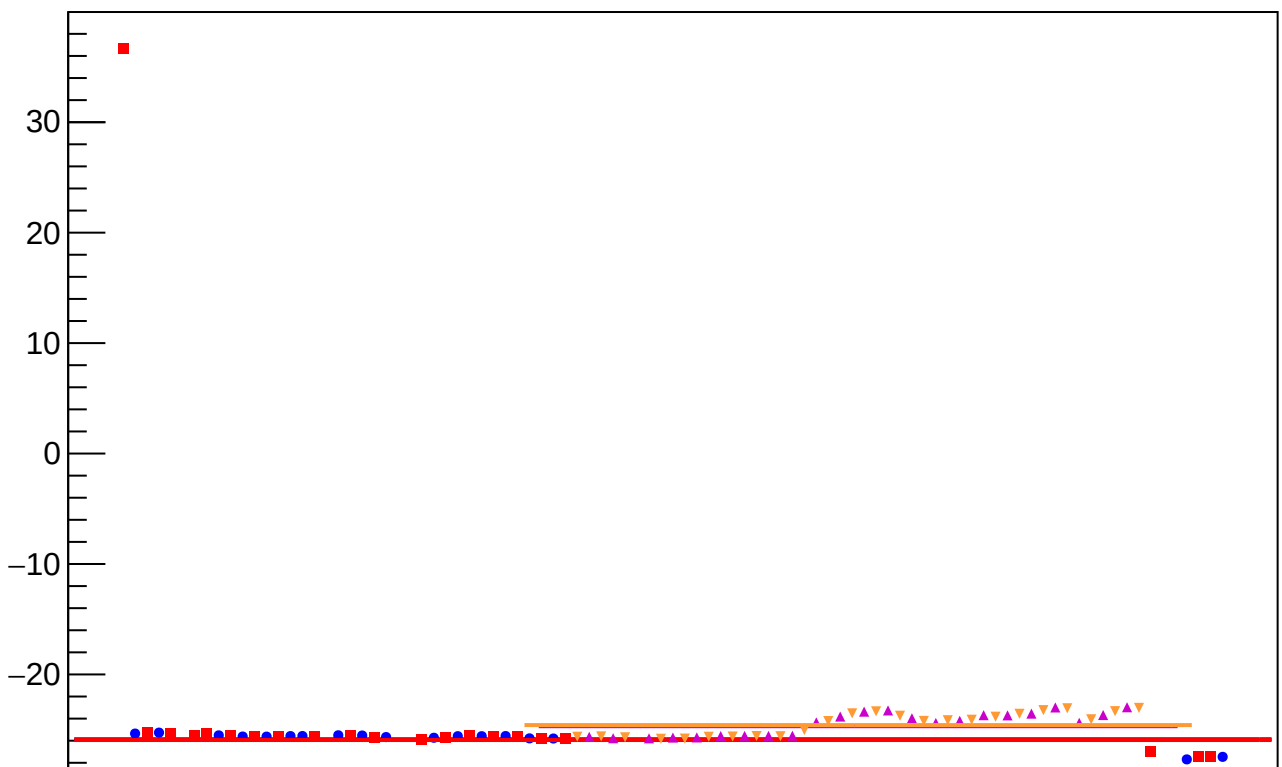
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.080+/-0.000 χ^2/NDF: 1879595.4/43

All: 0.080+/-0.000 χ^2/NDF: 4018242.4/88

- sign 0.081+/-0.000 χ^2/NDF: 2137418.5/44

yield_dsl_mean vs Slug



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

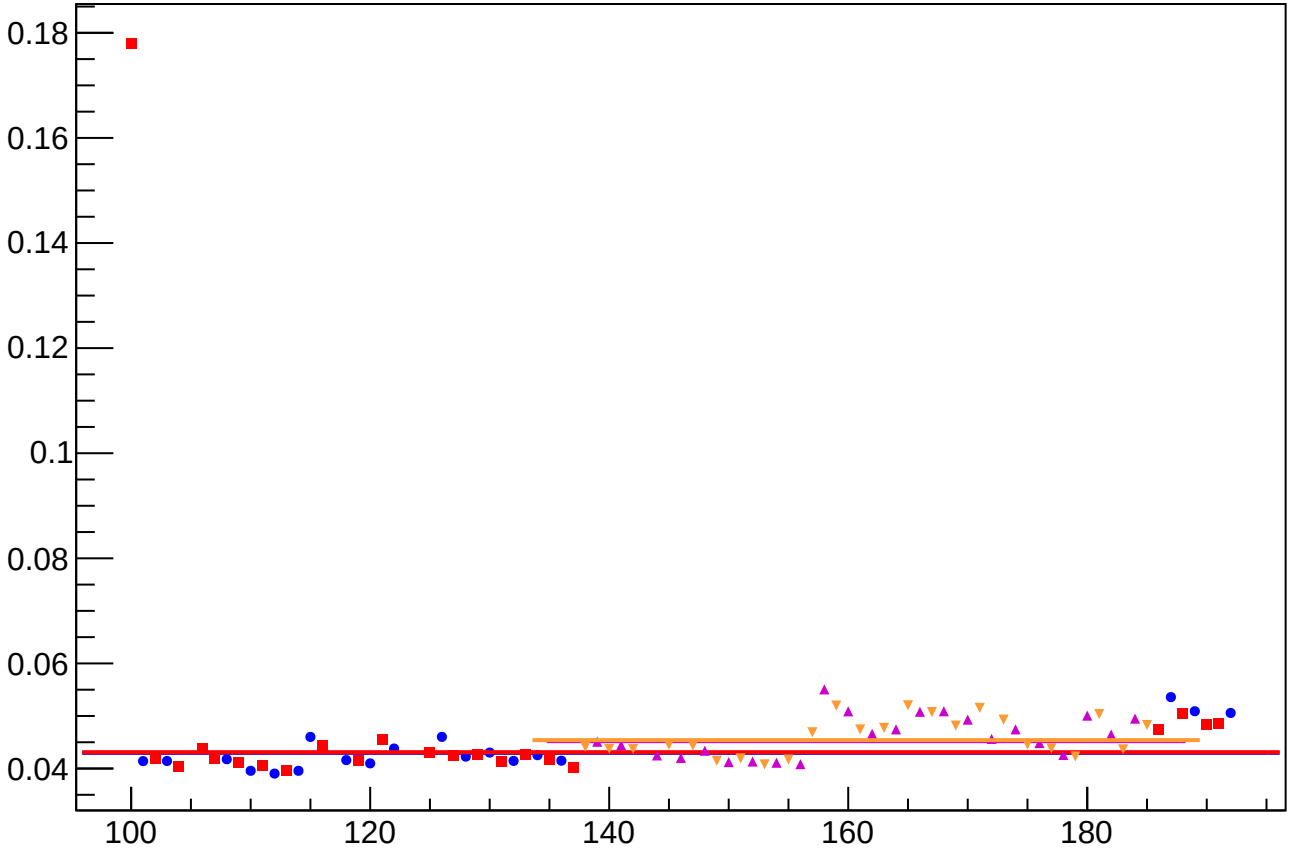
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.040+/-0.000 χ^2/NDF: 17278437367.3/42

All: -25.090+/-0.000 χ^2/NDF: 44489837832.3

- sign -25.140+/-0.000 χ^2/NDF: 27143685727.2/44

yield_dsl_rms vs Slug



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

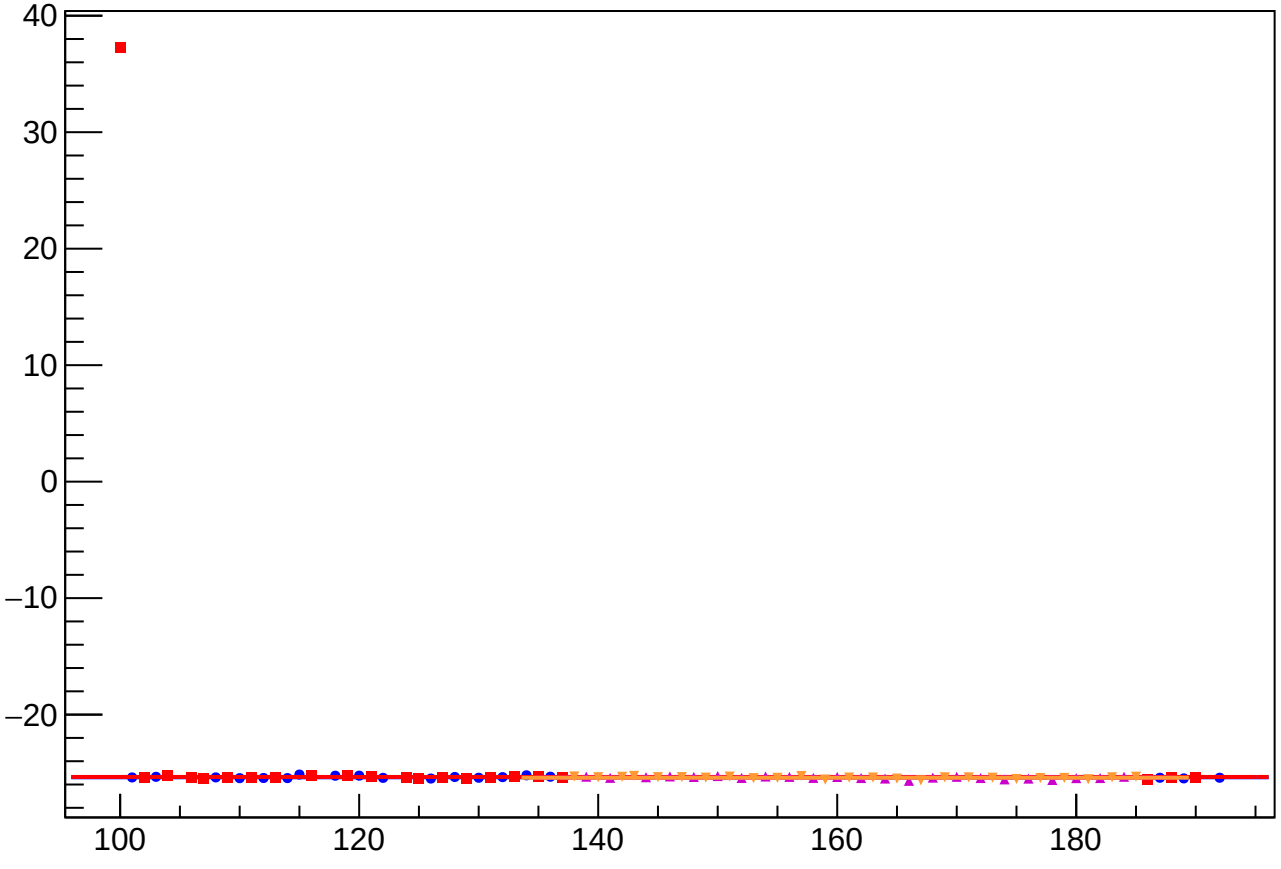
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.045+/-0.000 χ^2/NDF: 357318.9/42

All: 0.044+/-0.000 χ^2/NDF: 803059.0/87

- sign 0.044+/-0.000 χ^2/NDF: 445588.4/44

yield_dsr_mean vs Slug



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

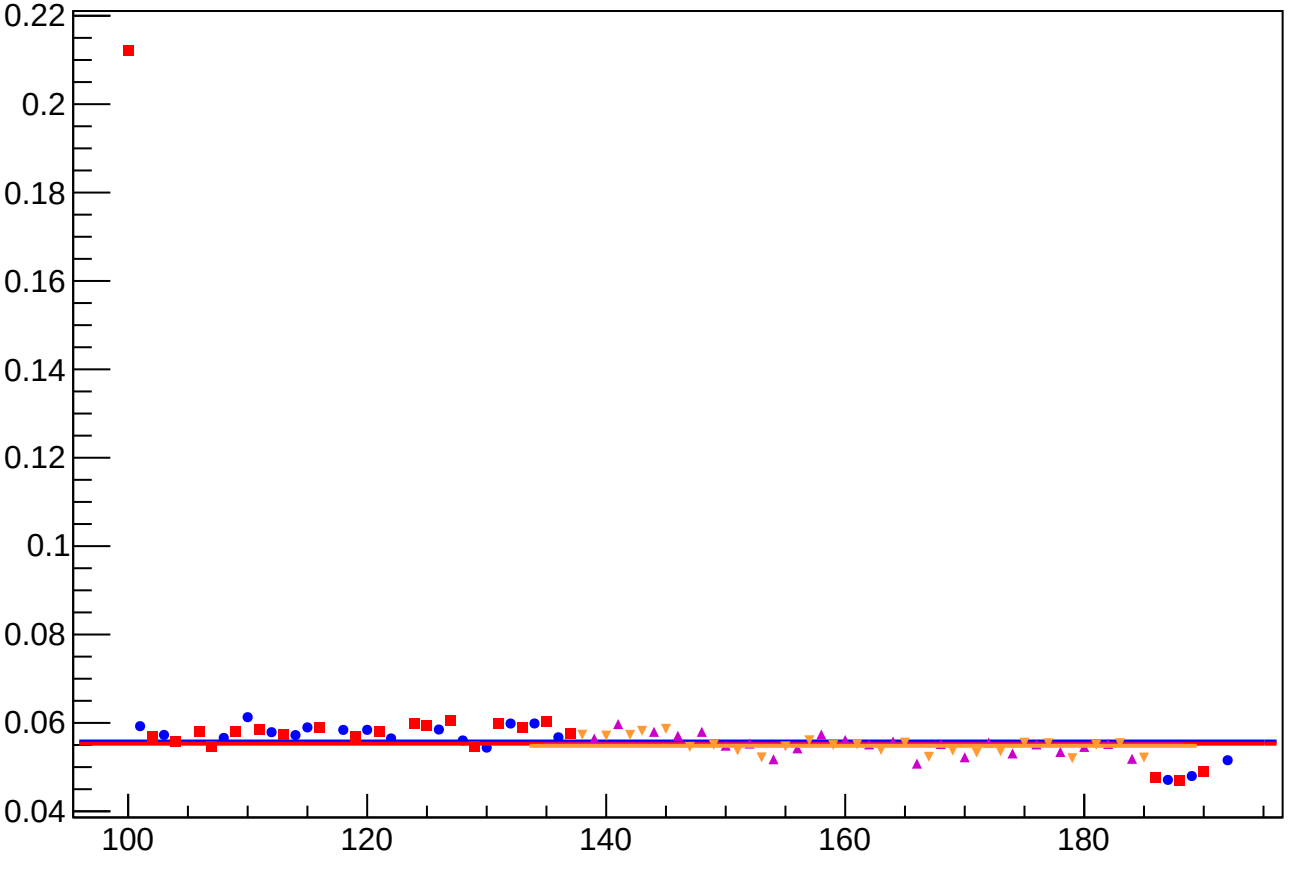
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.405+/-0.000 χ^2/NDF: 71715016.6/43

All: -25.399+/-0.000 χ^2/NDF: 6460835626.5/

- sign -25.393+/-0.000 χ^2/NDF: 6388471876.8/44

yield_dsr_rms vs Slug



Right In: 0.056+/-0.000 χ^2/NDF: 80180.3/18

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

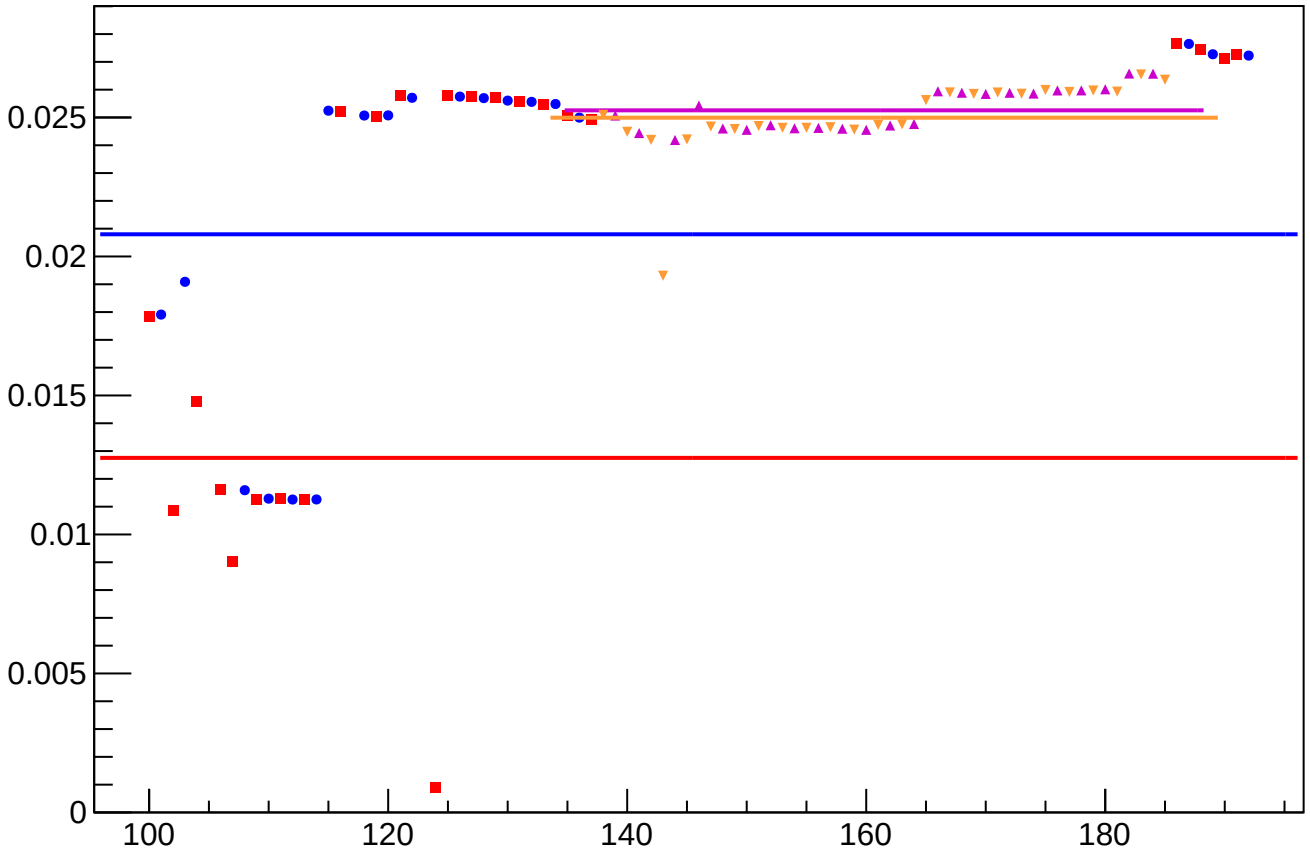
Right Out: 0.055+/-0.000 χ^2/NDF: 211216.5/21

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.055+/-0.000 χ^2/NDF: 121849.2/43

All: 0.055+/-0.000 χ^2/NDF: 384759.4/88

- sign 0.055+/-0.000 χ^2/NDF: 262885.0/44



Right In: 0.021+/-0.000 χ^2/NDF: 72366174178.2/18

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 306718548390.8/22

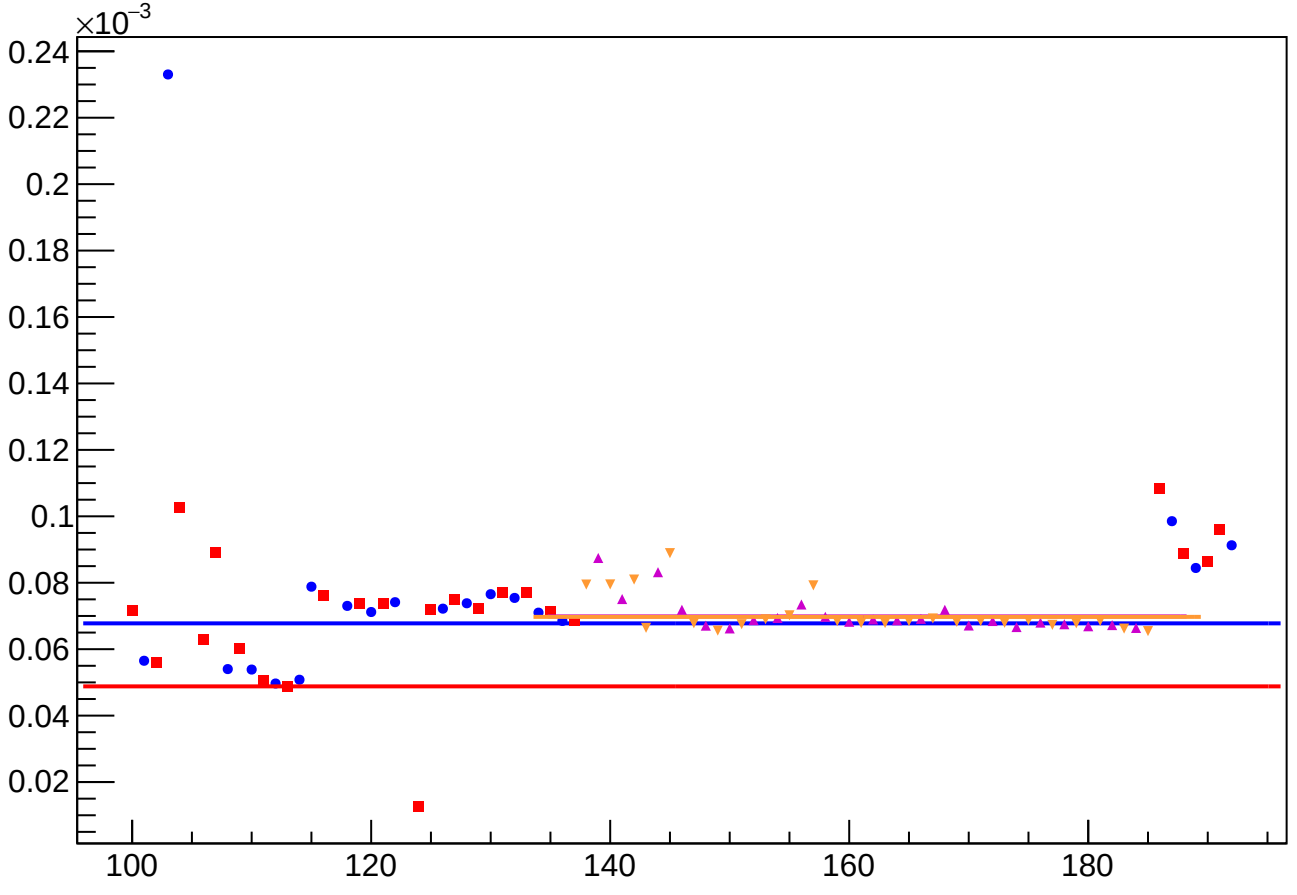
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 101609915512.1/43

All: 0.022+/-0.000 χ^2/NDF: 698950632036.9

- sign 0.020+/-0.000 χ^2/NDF: 554563305645.3/45

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1047020.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

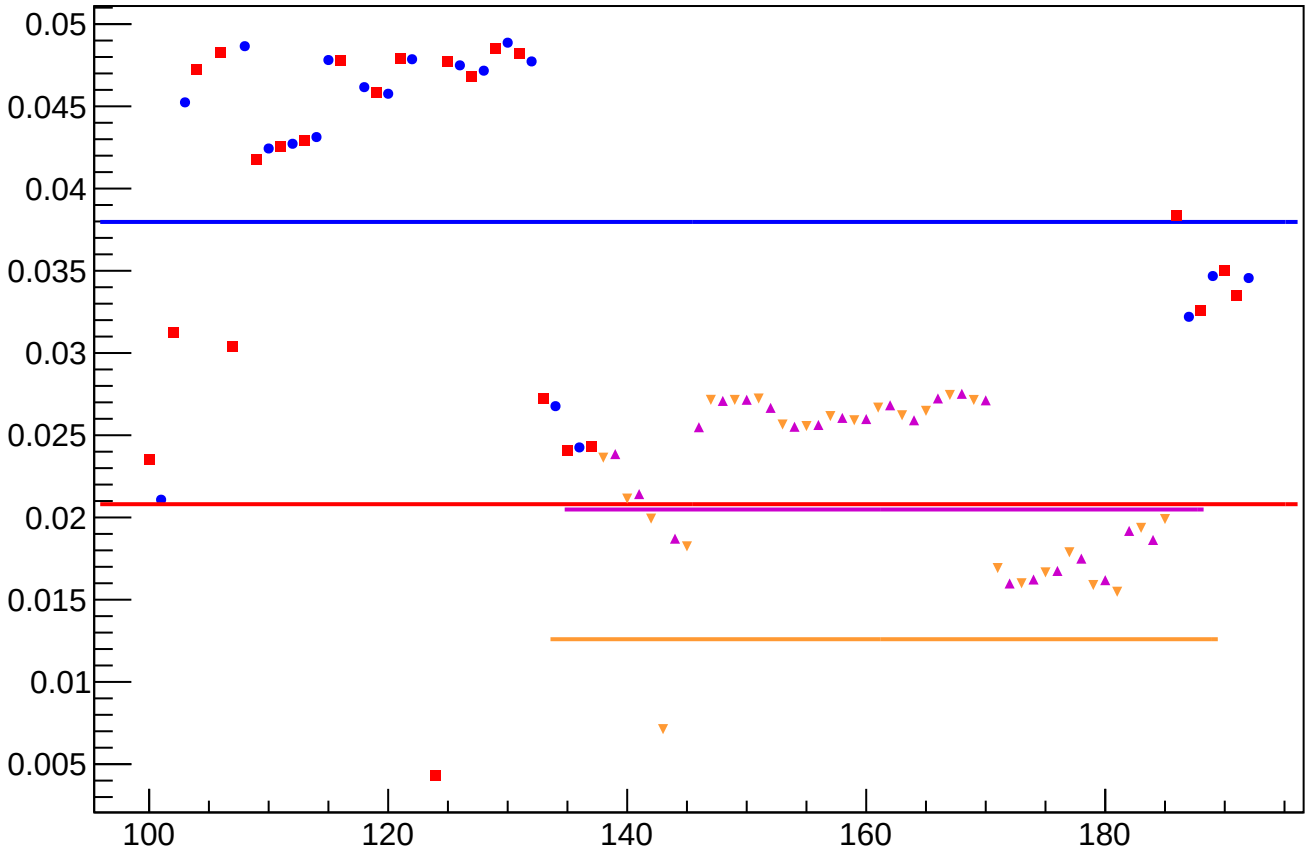
Right Out: 0.000+/-0.000 χ^2/NDF: 4723204.1/22

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 1244495.3/43

All: 0.000+/-0.000 χ^2/NDF: 7926753.7/89

- sign 0.000+/-0.000 χ^2/NDF: 6272312.1/45



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

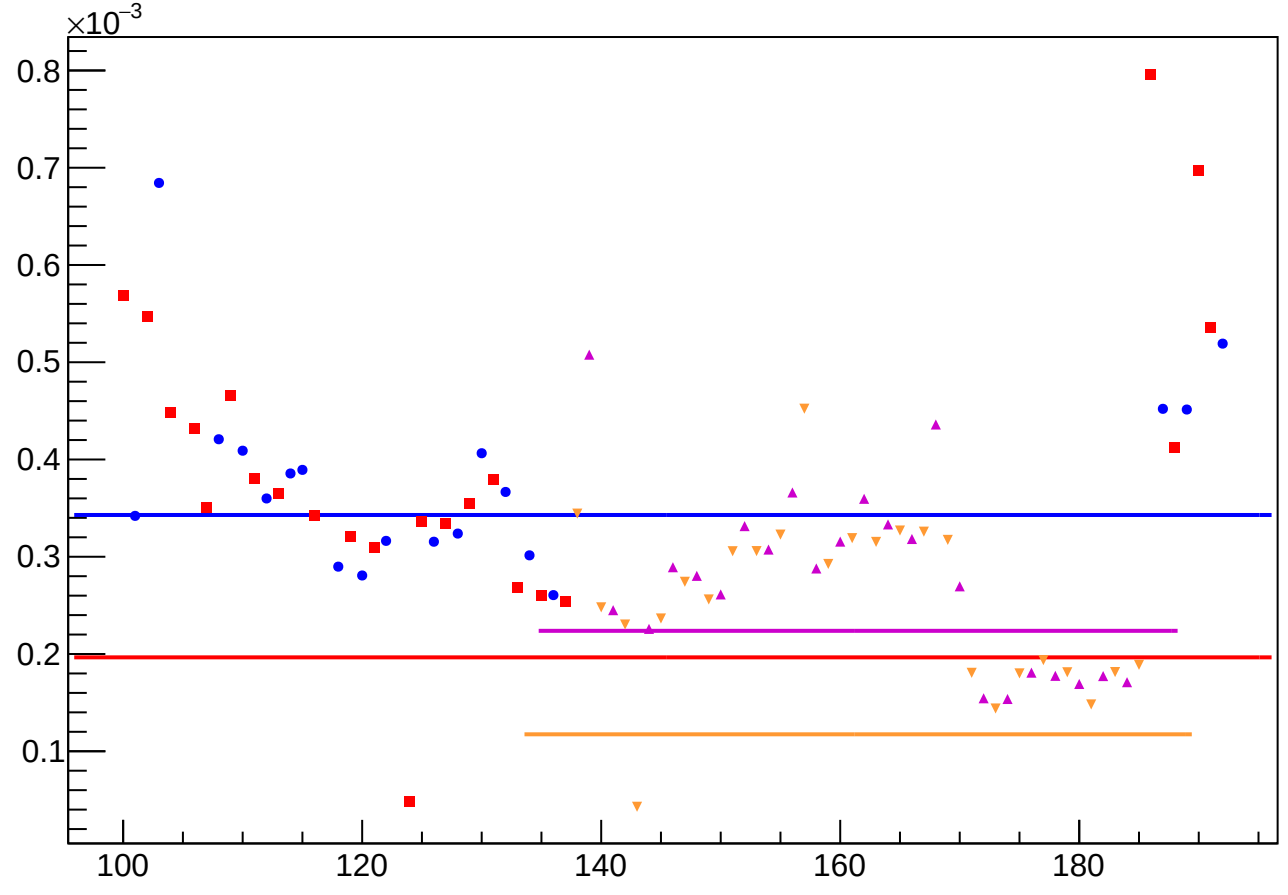
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 83536578062.3/43

All: 0.017+/-0.000 χ^2/NDF: 143078806847.8

- sign 0.021+/-0.000 χ^2/NDF: 49567203812.2/45

yield_atl2_rms vs Slug



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

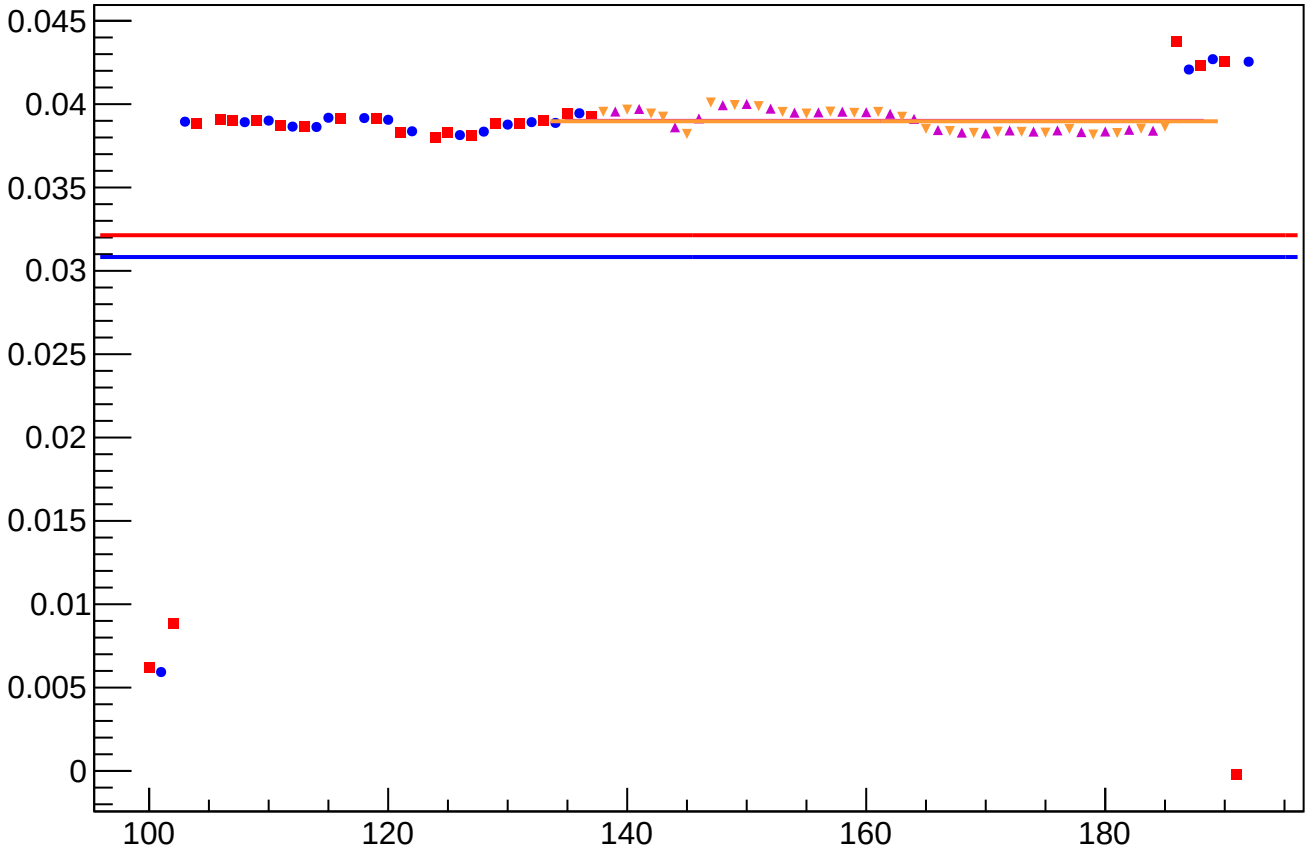
Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 21463656.4/43

All: 0.000+/-0.000 χ^2/NDF: 35812925.2/89

- sign 0.000+/-0.000 χ^2/NDF: 10728424.8/45

yield_atr1_mean vs Slug



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

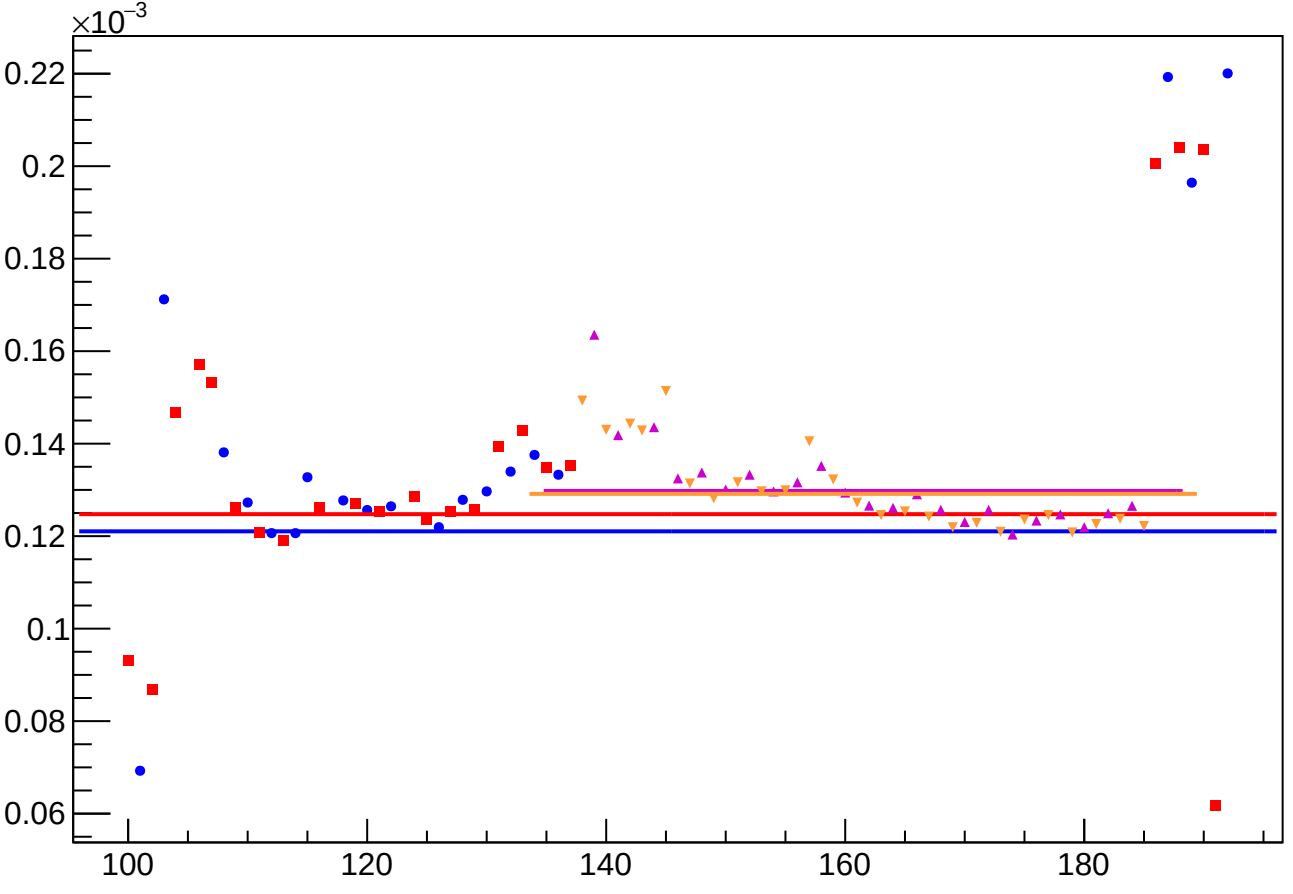
Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

+ sign 0.036+/-0.000 χ^2/NDF: 138578990456.5/43

All: 0.037+/-0.000 χ^2/NDF: 262891399150.2

- sign 0.037+/-0.000 χ^2/NDF: 124202888040.5/45

yield_atr1_rms vs Slug



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

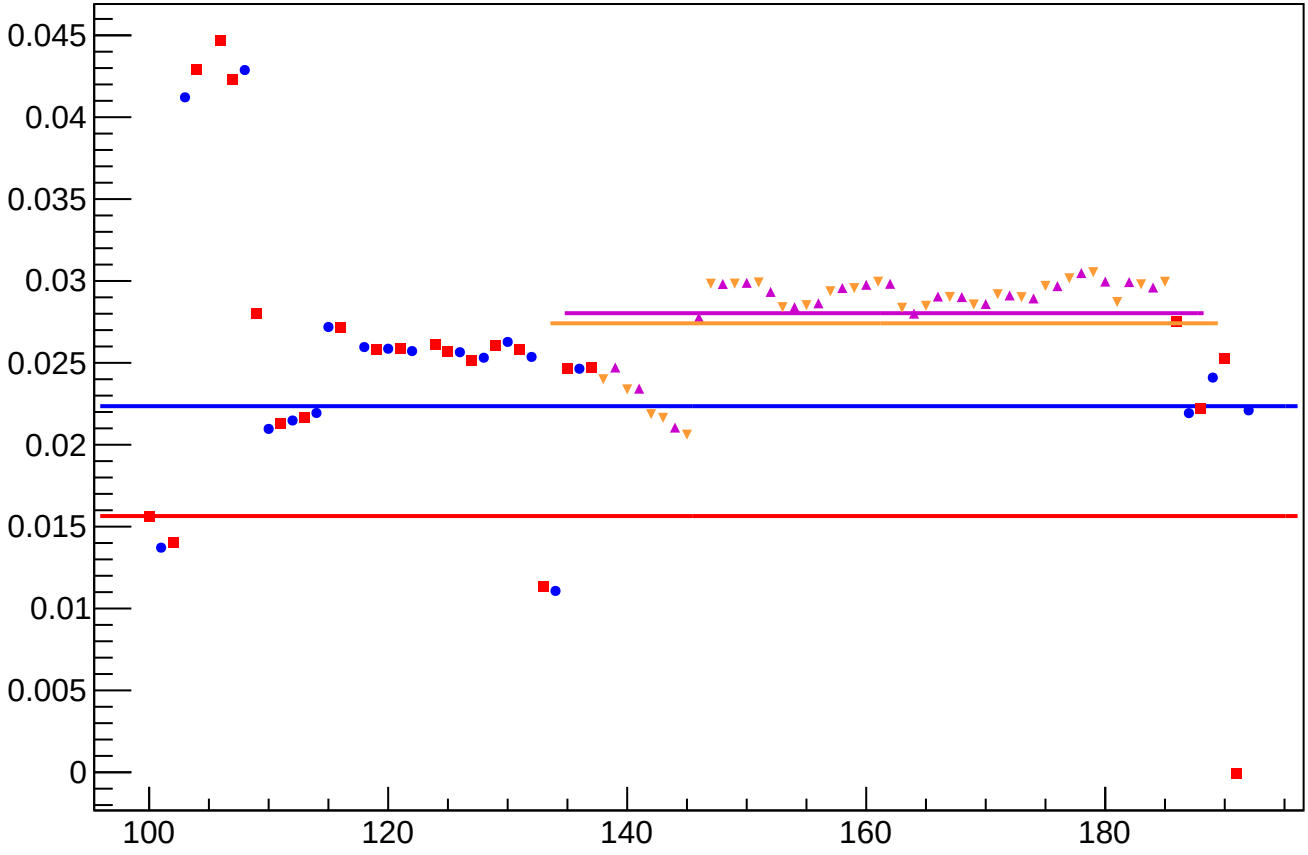
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 1716299.6/43

All: 0.000+/-0.000 χ^2/NDF: 3031269.6/89

- sign 0.000+/-0.000 χ^2/NDF: 1310910.0/45

yield_atr2_mean vs Slug



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

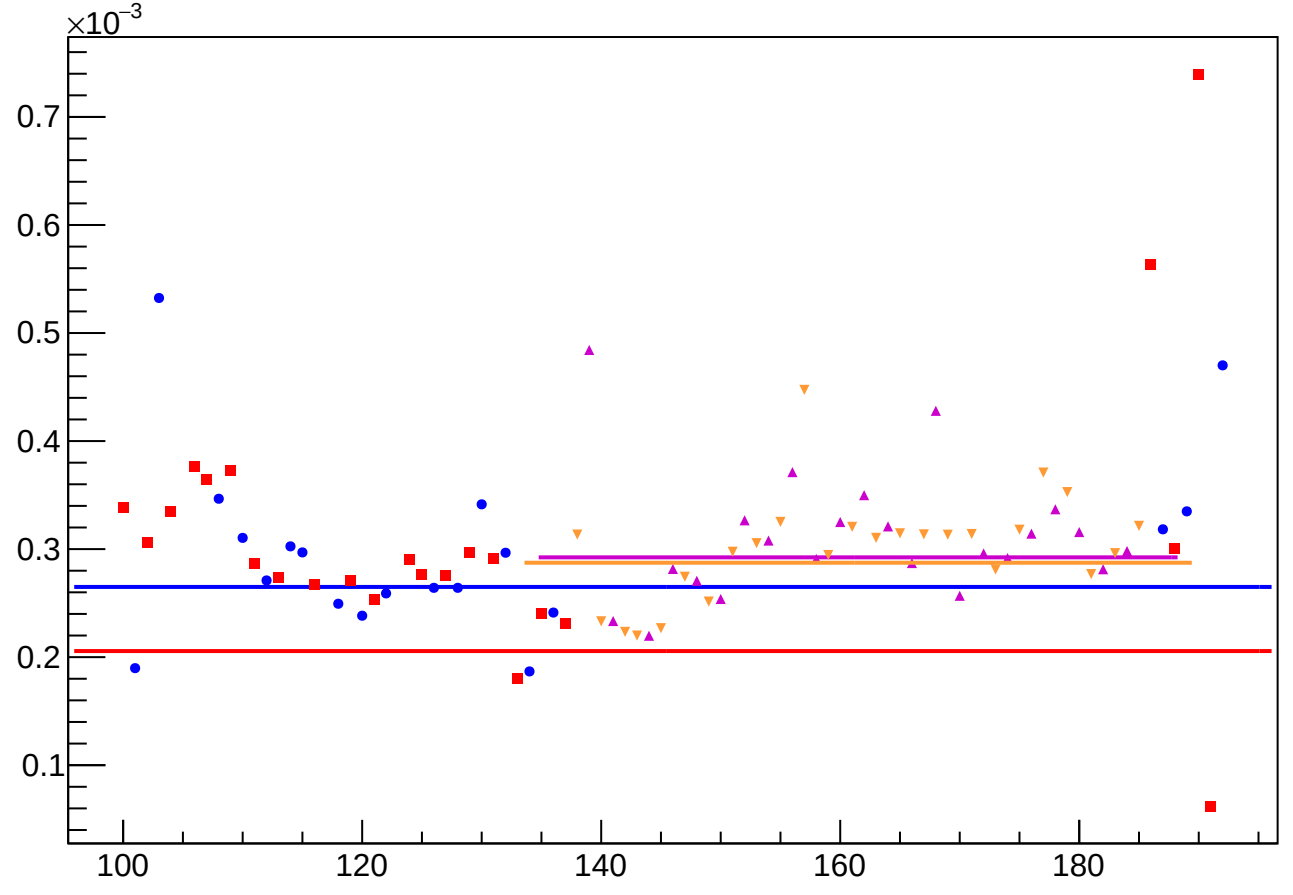
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9081217546.0/43

All: 0.024+/-0.000 χ^2/NDF: 49743864178.2/8

- sign 0.023+/-0.000 χ^2/NDF: 39087750052.6/45

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1150218.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

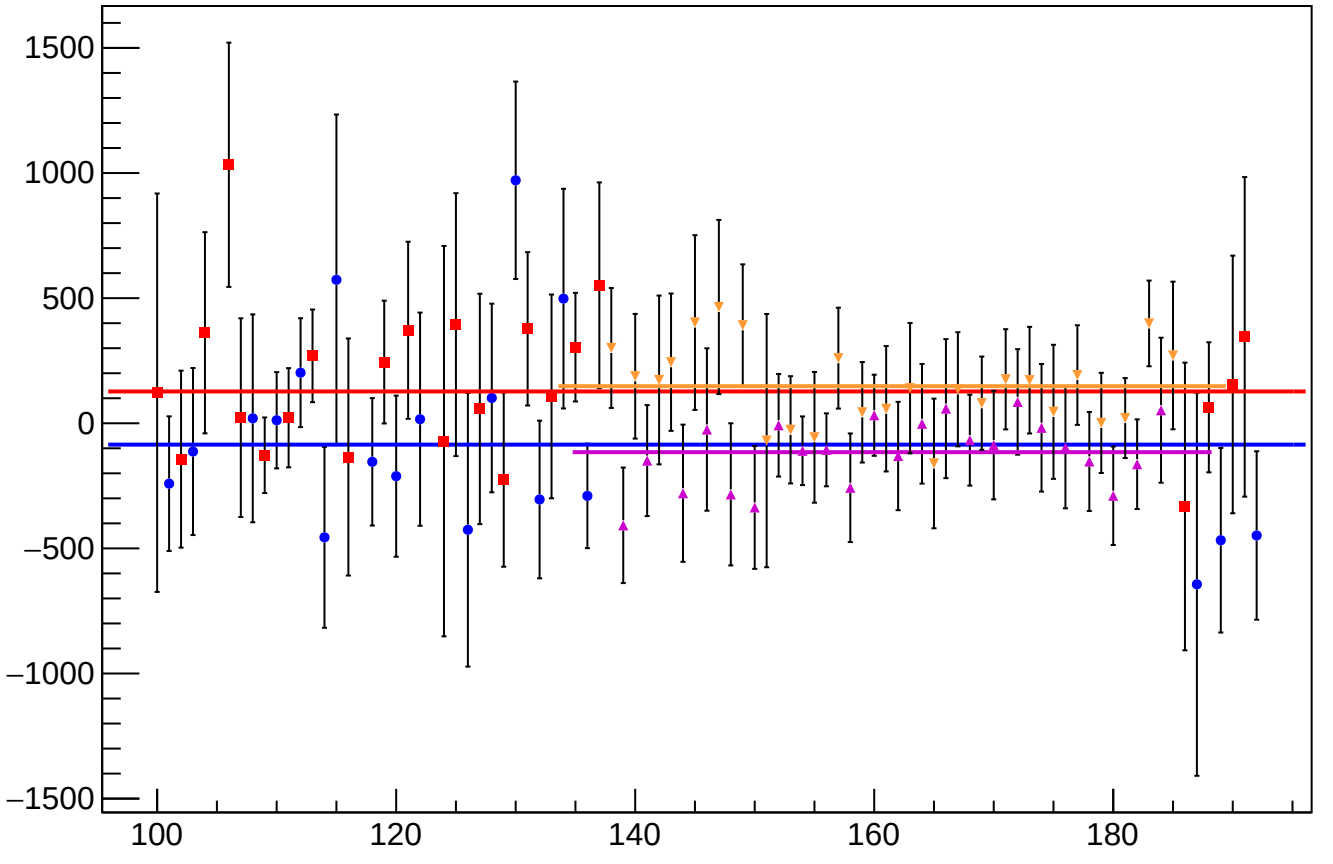
Right Out: 0.000+/-0.000 χ^2/NDF: 4107020.8/22

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 2042950.5/43

All: 0.000+/-0.000 χ^2/NDF: 8608085.3/89

- sign 0.000+/-0.000 χ^2/NDF: 6351959.3/45



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

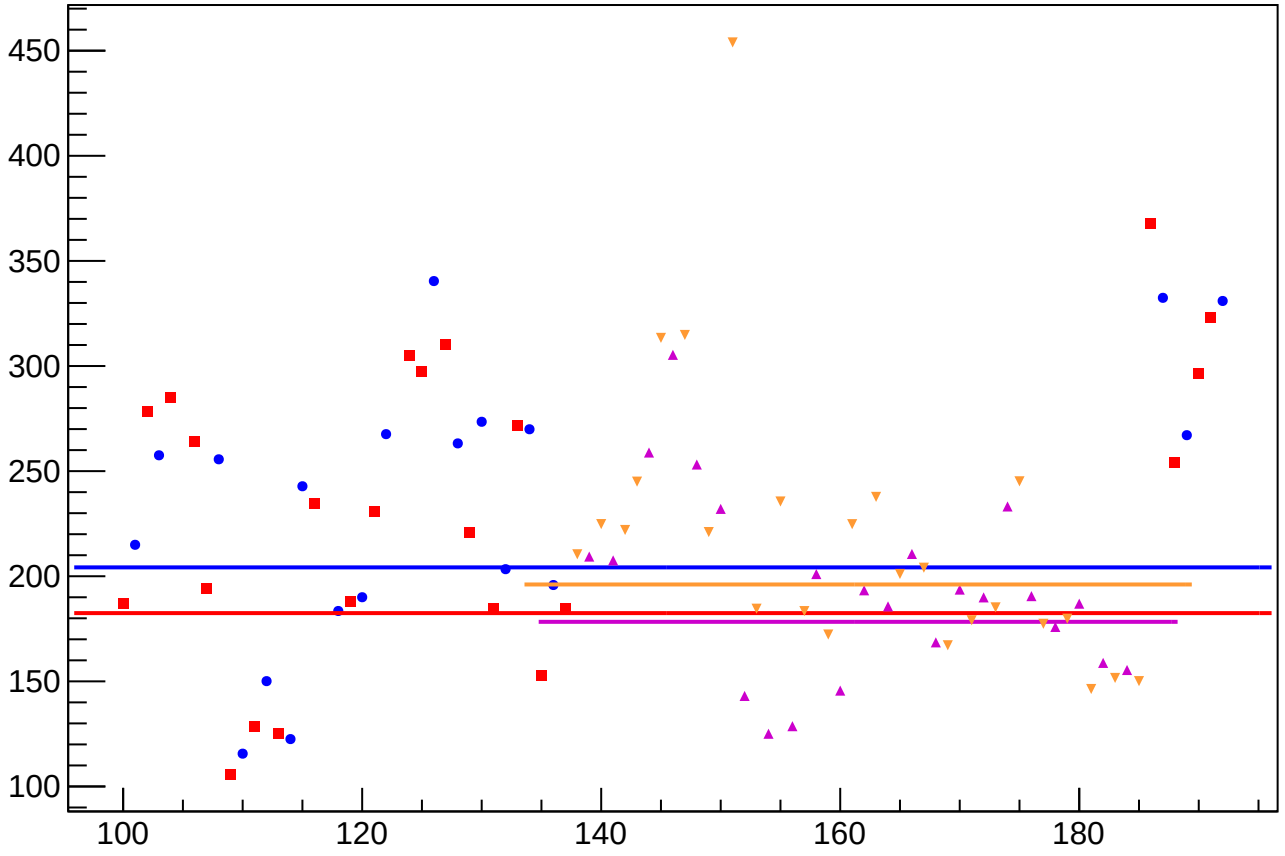
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 80.793+/-38.977 χ^2/NDF: 36.3/43

All: 16.036+/-26.491 χ^2/NDF: 72.6/89

- sign -39.556+/-36.114 χ^2/NDF: 31.2/45

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



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

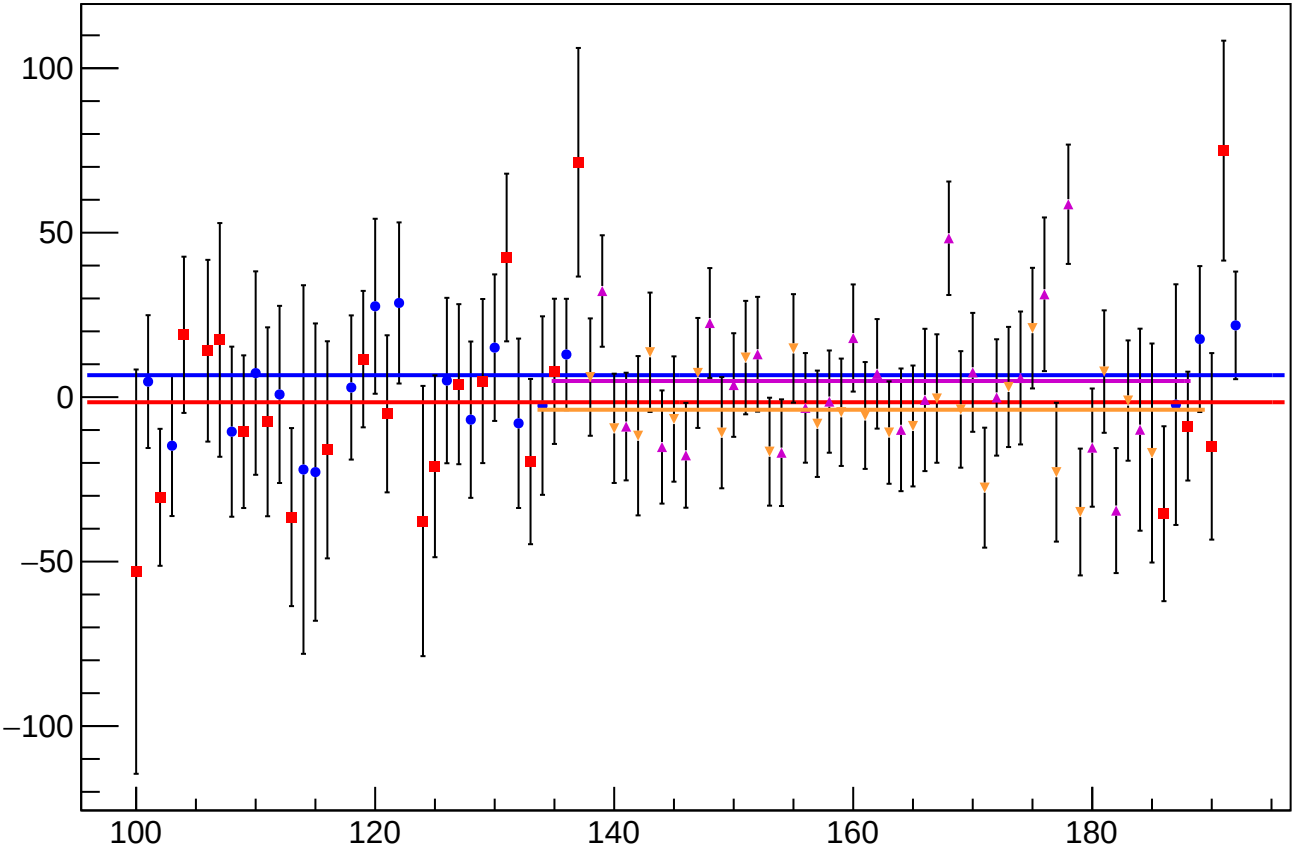
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 198.435+/-0.028 χ^2/NDF: 3319915.9/43

All: 188.309+/-0.019 χ^2/NDF: 7519390.9/89

- sign 179.616+/-0.026 χ^2/NDF: 3948592.6/45

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 6.674+/-5.524 χ^2/NDF: 5.9/18

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

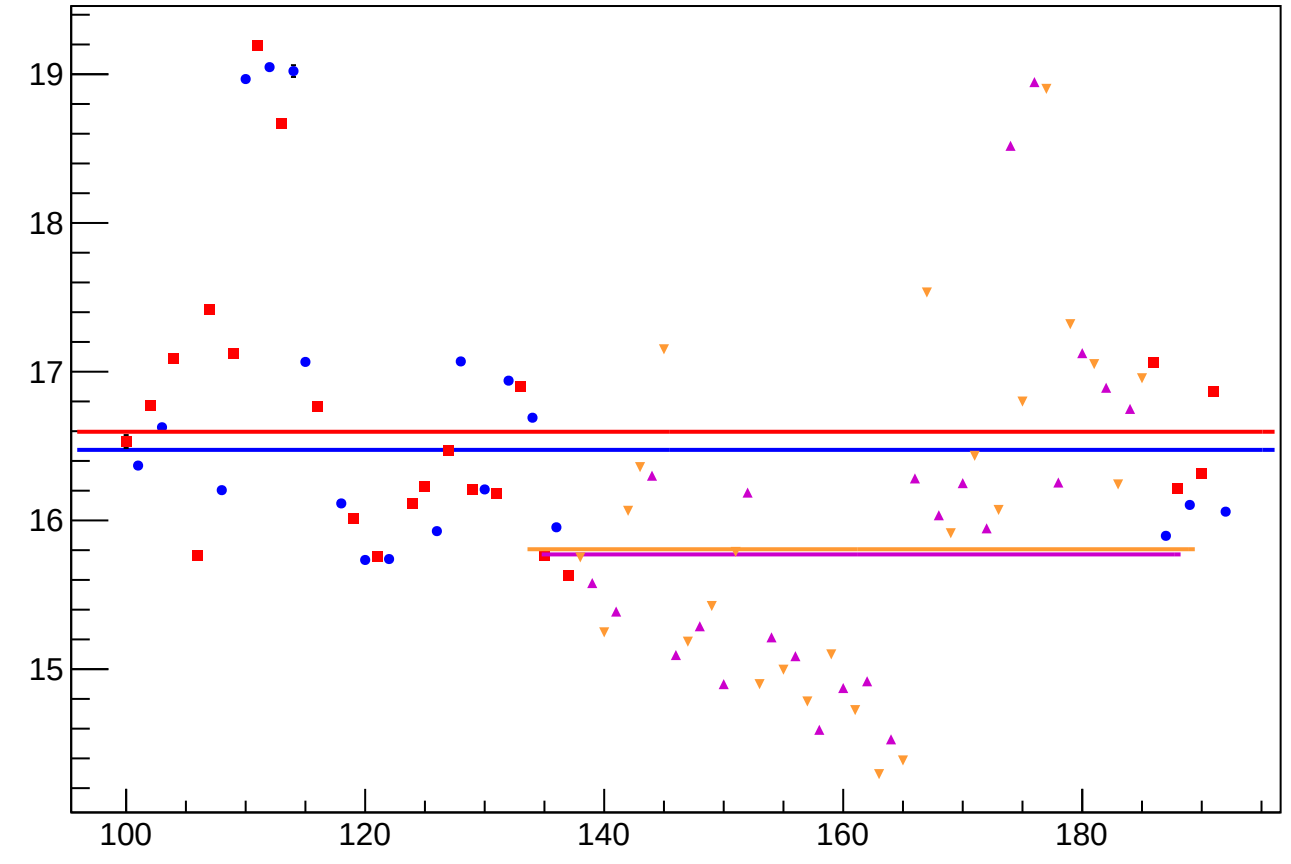
Right Out: -1.551+/-5.401 χ^2/NDF: 23.2/22

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

\+ sign -0.699+/-3.018 χ^2/NDF: 21.2/43

All: 1.054+/-2.145 χ^2/NDF: 80.0/89

\- sign 2.845+/-3.050 χ^2/NDF: 58.1/45



Right In: 16.474+/-0.004 χ^2/NDF: 47492.4/18

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

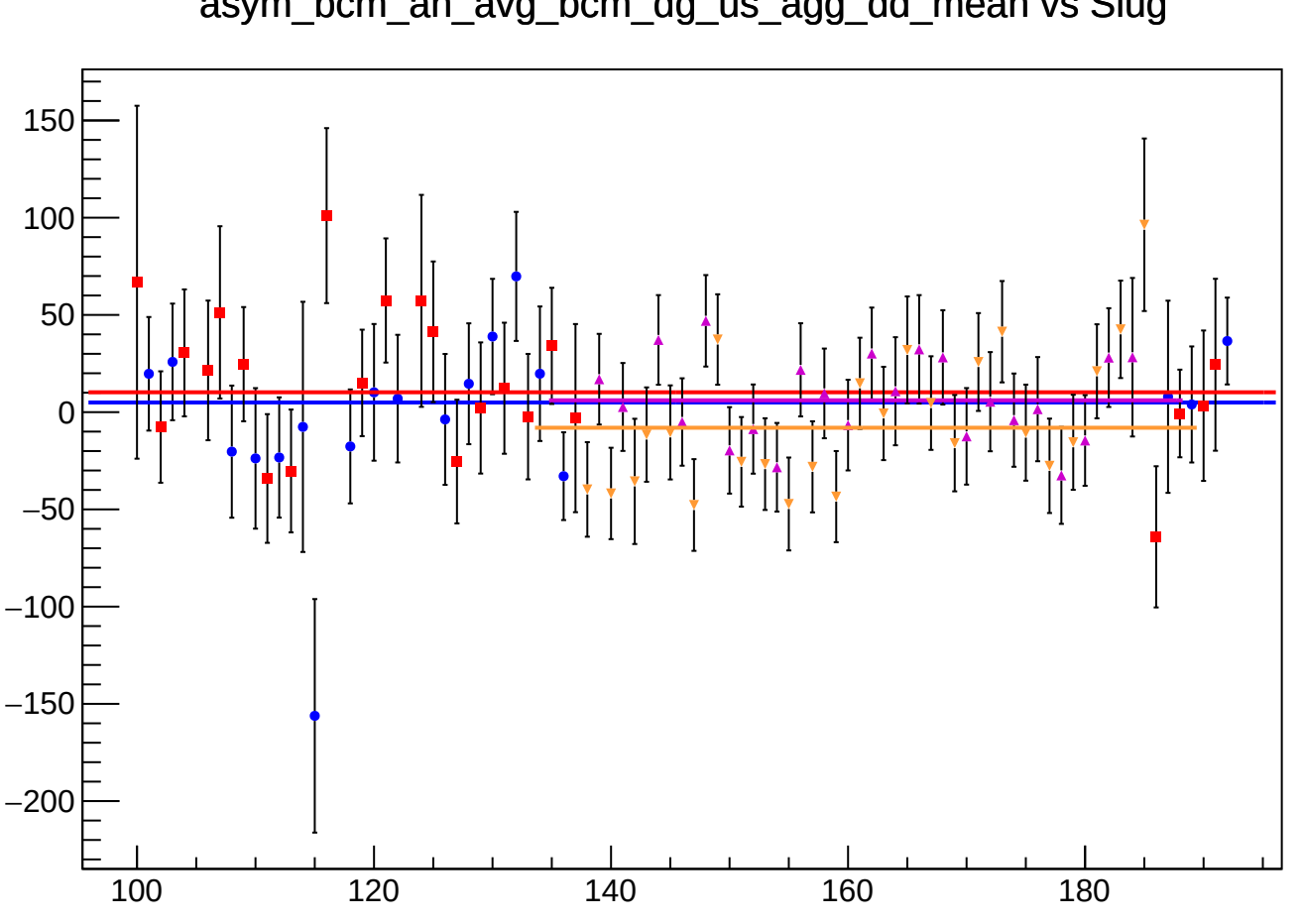
Right Out: 16.596+/-0.004 χ^2/NDF: 45524.2/22

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

+ sign 16.006+/-0.002 χ^2/NDF: 240666.7/43

All: 16.020+/-0.002 χ^2/NDF: 470184.5/89

- sign 16.034+/-0.002 χ^2/NDF: 229427.9/45



Right In: 4.977+/-7.315 χ^2/NDF: 20.9/18

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

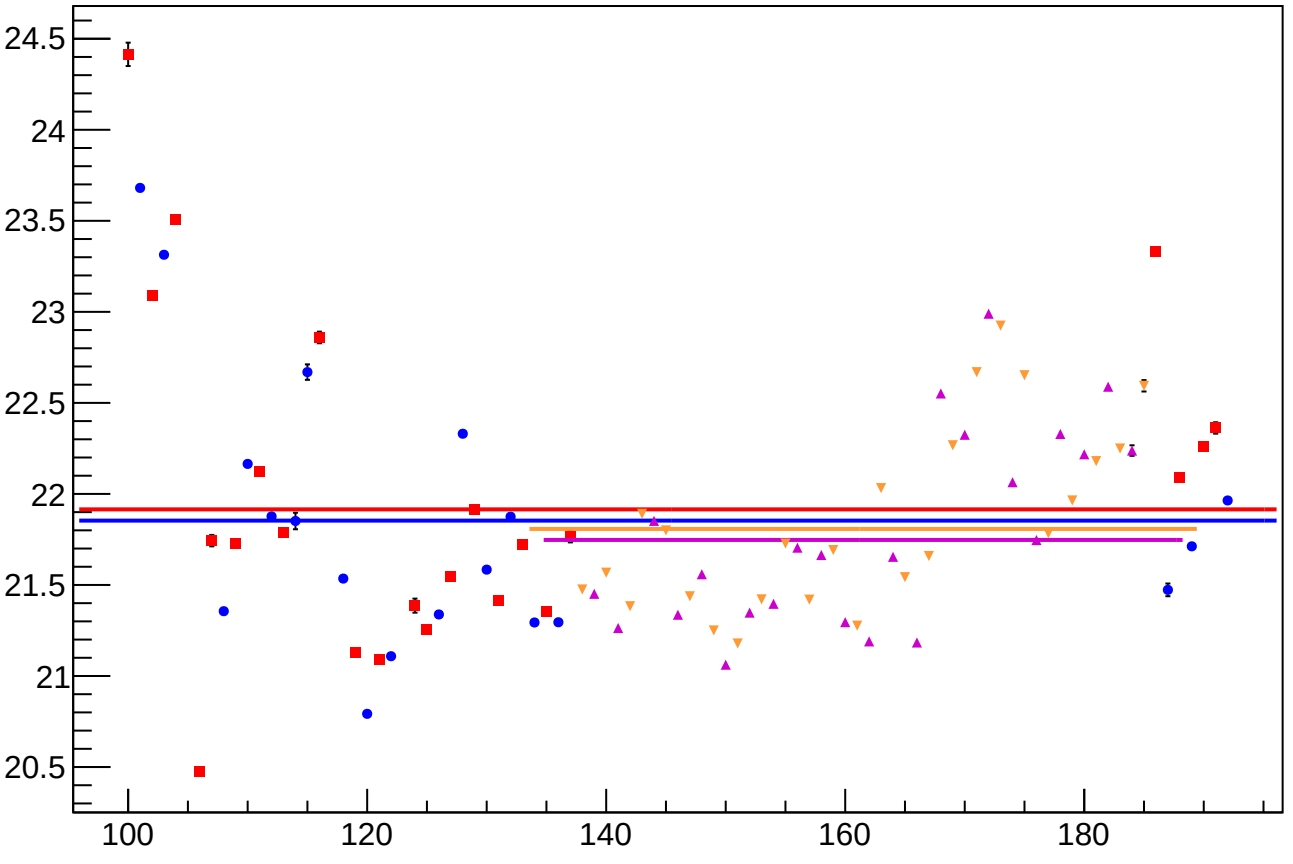
Right Out: 10.220+/-7.122 χ^2/NDF: 20.3/22

Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

+ sign -3.928+/-4.103 χ^2/NDF: 61.9/43

All: 1.731+/-2.913 χ^2/NDF: 104.2/89

- sign 7.480+/-4.136 χ^2/NDF: 38.4/45



Right In: 21.853+/-0.005 χ^2/NDF: 19681.7/18

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

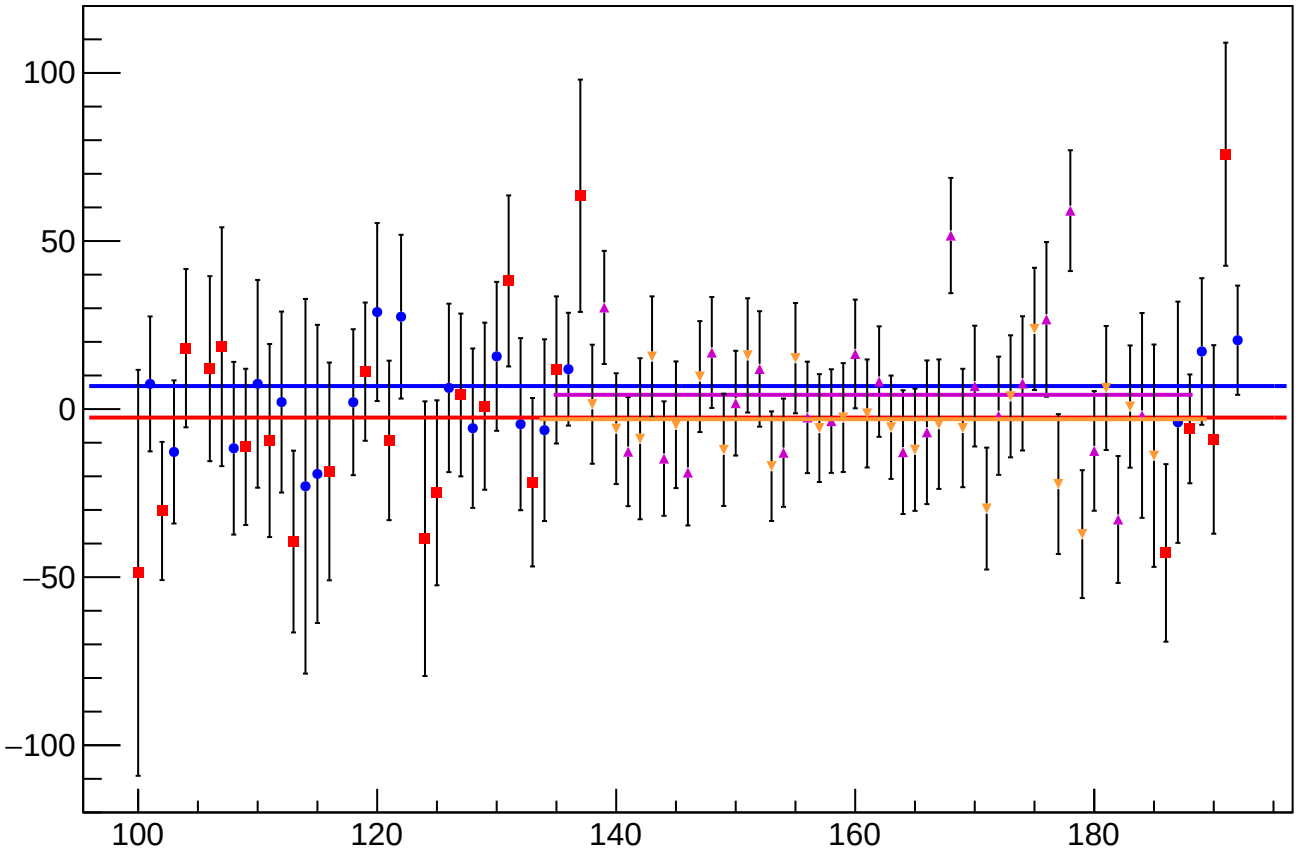
Right Out: 21.915+/-0.005 χ^2/NDF: 22838.9/22

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.822+/-0.003 χ^2/NDF: 37296.3/43

All: 21.813+/-0.002 χ^2/NDF: 81452.9/89

- sign 21.804+/-0.003 χ^2/NDF: 44137.1/45



Right In: 6.852+/-5.487 χ^2/NDF: 5.5/18

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

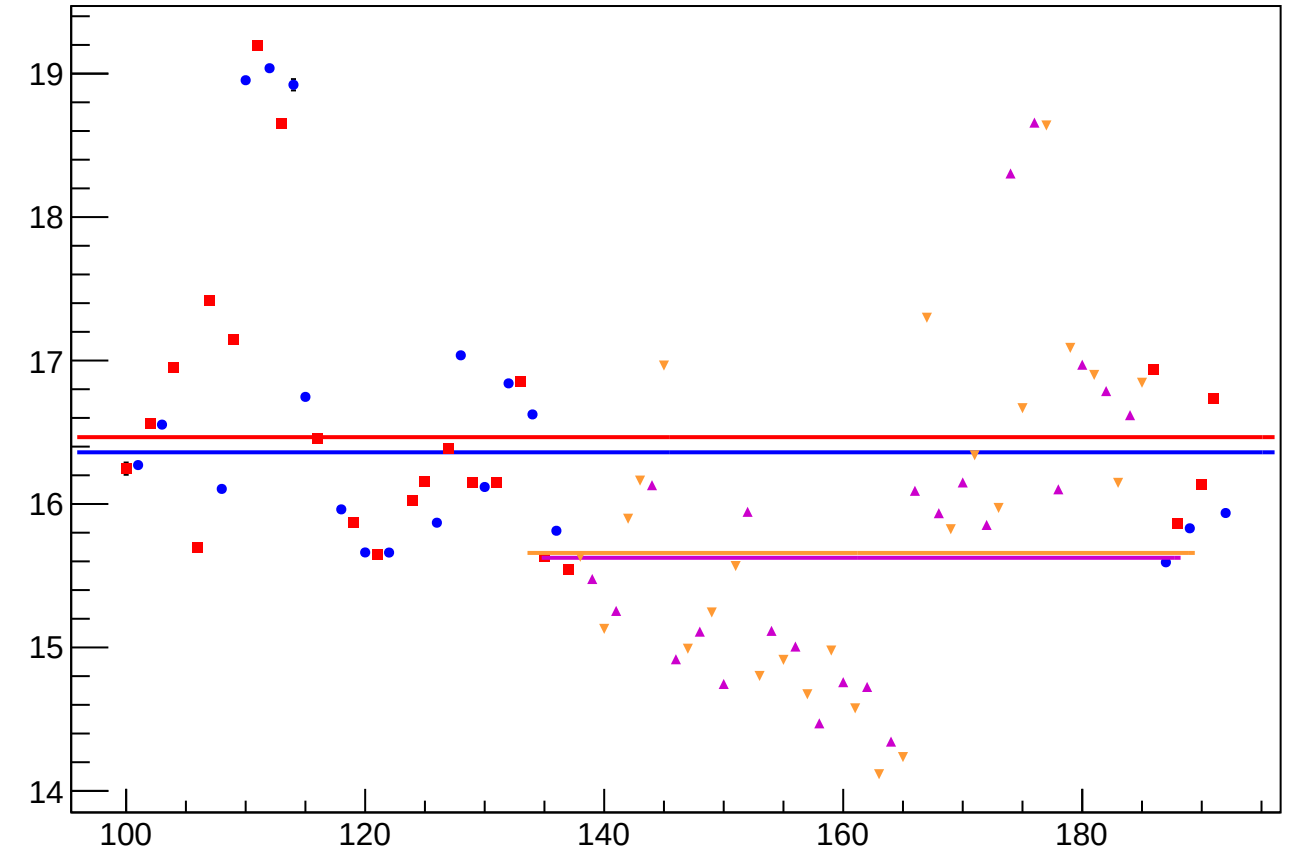
Right Out: -2.523+/-5.359 χ^2/NDF: 23.4/22

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign -0.073+/-2.992 χ^2/NDF: 22.4/43

All: 0.999+/-2.126 χ^2/NDF: 80.9/89

- sign 2.094+/-3.023 χ^2/NDF: 58.3/45



Right In: 16.360+/-0.004 χ^2/NDF: 51462.8/18

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

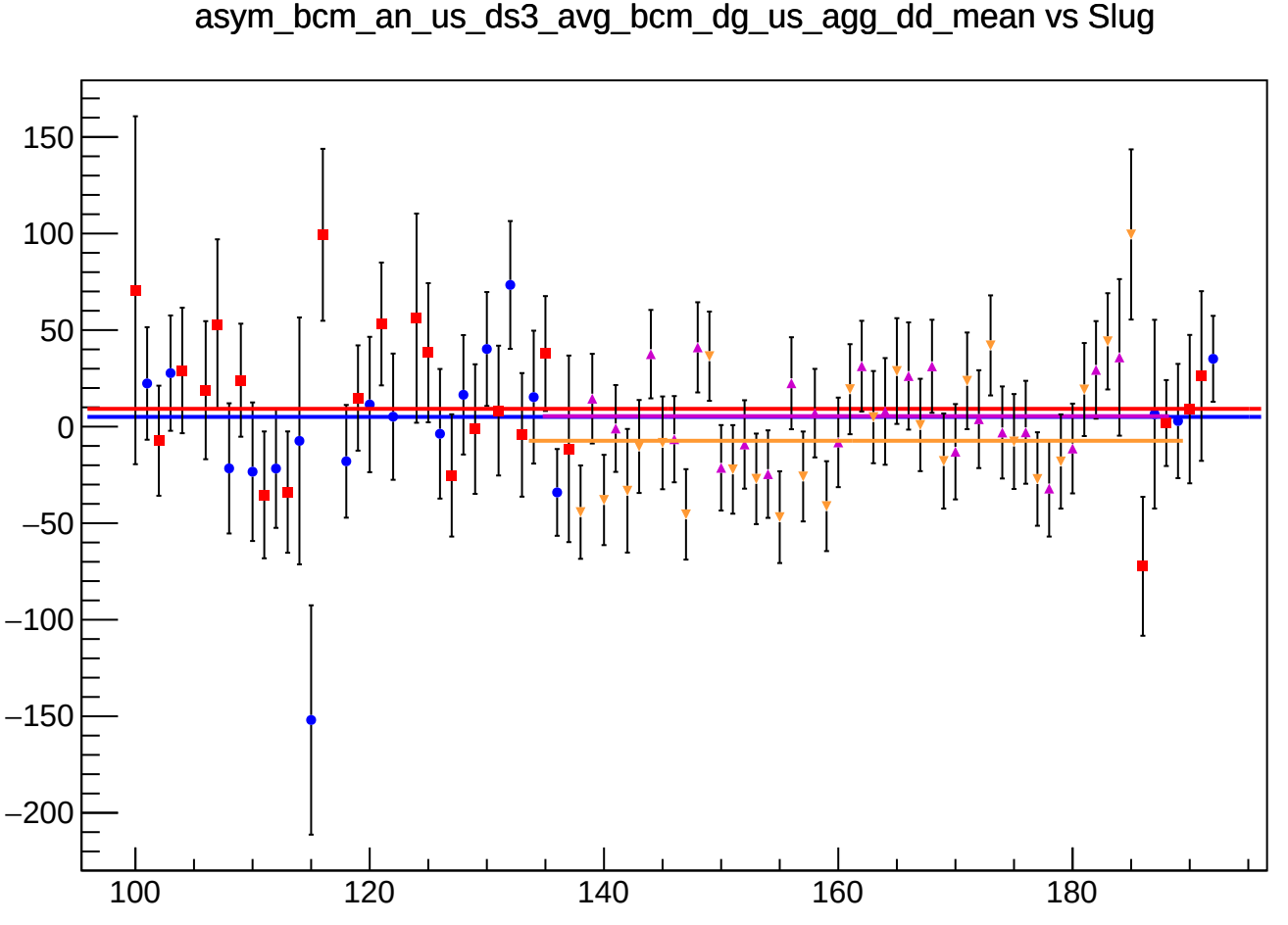
Right Out: 16.466+/-0.004 χ^2/NDF: 50507.1/22

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

+ sign 15.867+/-0.002 χ^2/NDF: 244269.9/43

All: 15.880+/-0.002 χ^2/NDF: 478858.5/89

- sign 15.893+/-0.002 χ^2/NDF: 234518.9/45



Right In: 5.041+/-7.280 χ^2/NDF: 21.5/18

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

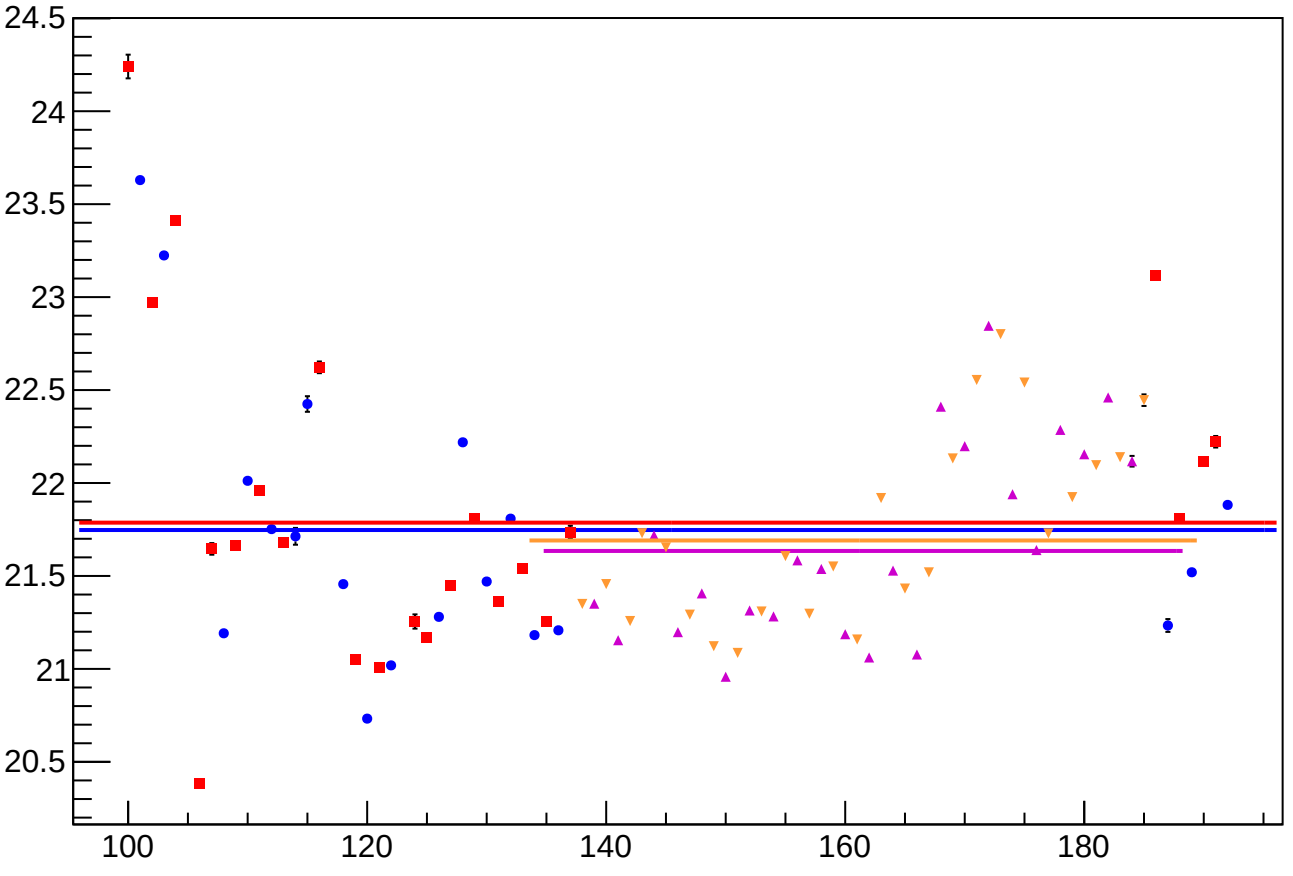
Right Out: 9.215+/-7.080 χ^2/NDF: 21.6/22

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

\+ sign -3.433+/-4.082 χ^2/NDF: 62.1/43

All: 1.600+/-2.897 χ^2/NDF: 104.2/89

\- sign 6.711+/-4.113 χ^2/NDF: 39.1/45



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

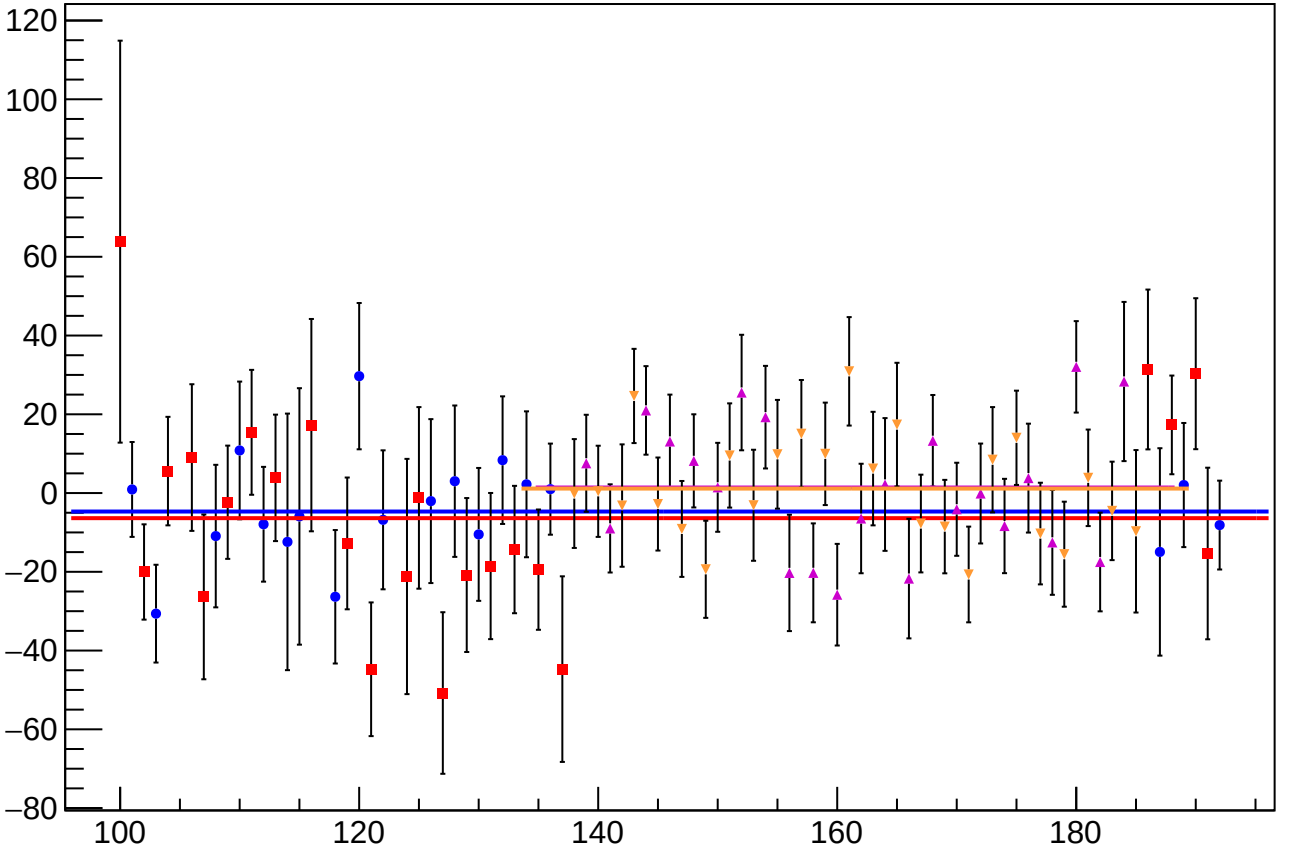
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.709+/-0.003 χ^2/NDF: 38180.4/43

All: 21.697+/-0.002 χ^2/NDF: 81082.7/89

- sign 21.686+/-0.003 χ^2/NDF: 42871.9/45

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.692+/-3.729 χ^2/NDF: 12.4/18

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

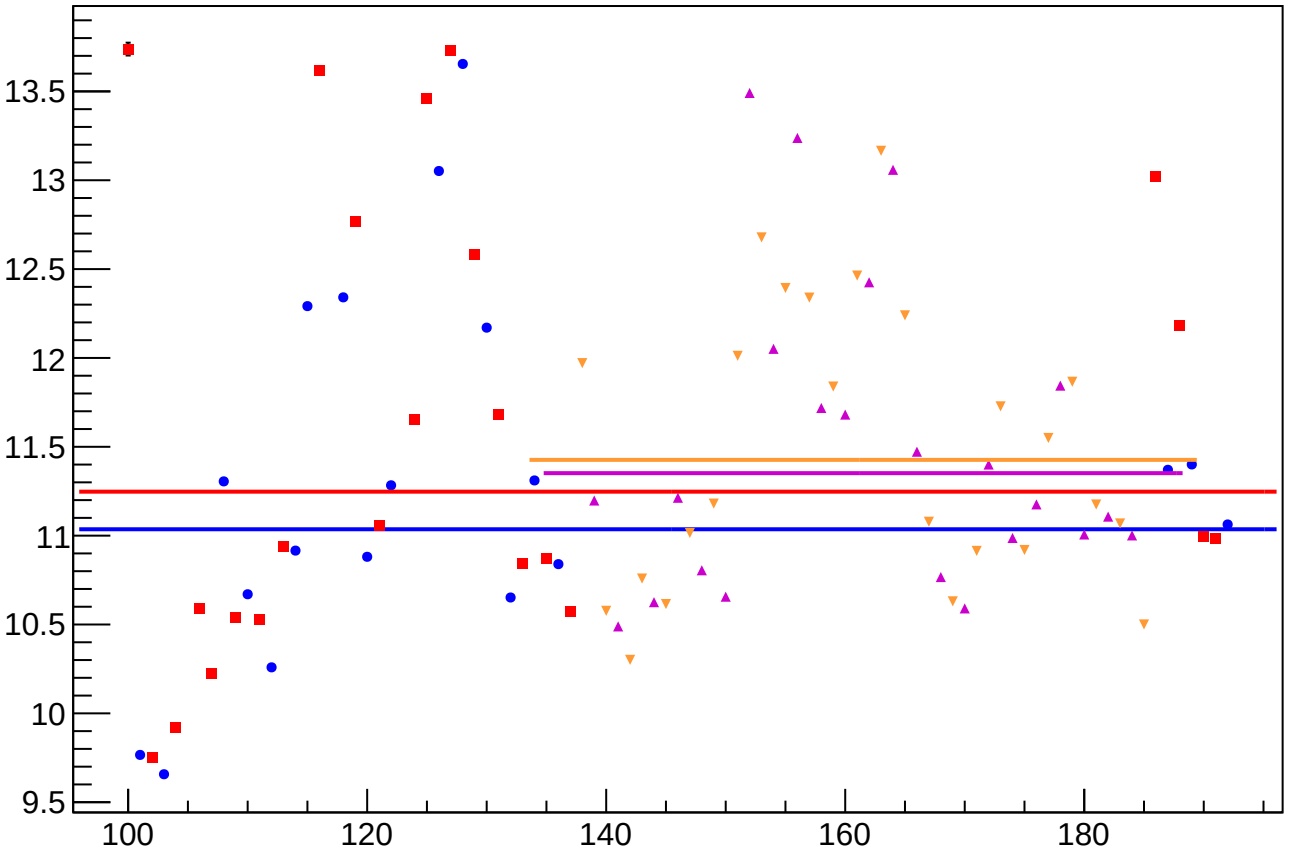
Right Out: -6.377+/-3.696 χ^2/NDF: 34.4/22

Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.789+/-2.144 χ^2/NDF: 38.6/43

All: -1.026+/-1.524 χ^2/NDF: 112.2/89

- sign -1.267+/-2.167 χ^2/NDF: 73.6/45



Right In: 11.036+/-0.003 χ^2/NDF: 137723.7/18

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

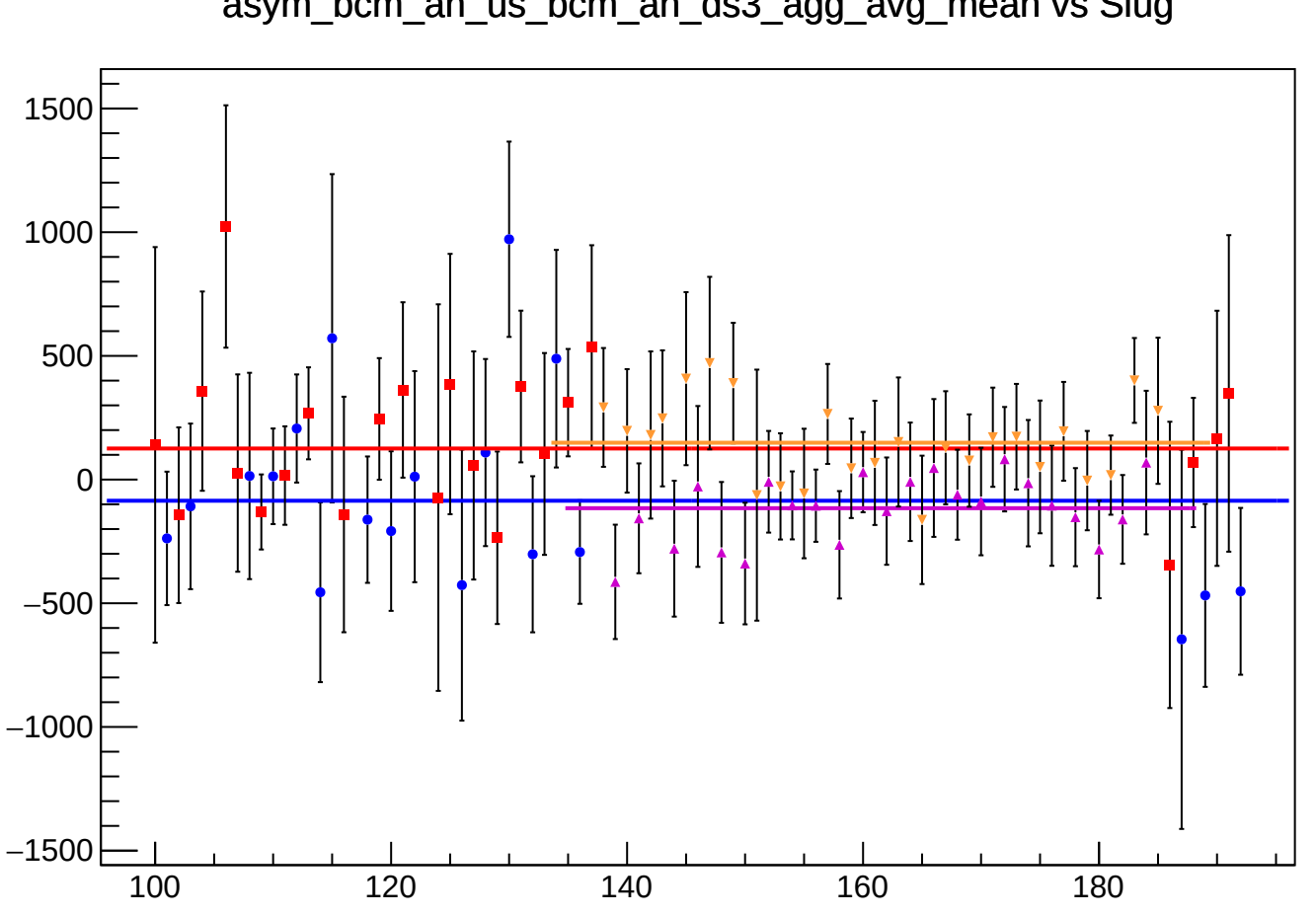
Right Out: 11.248+/-0.003 χ^2/NDF: 192724.7/22

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.297+/-0.002 χ^2/NDF: 309386.5/43

All: 11.307+/-0.001 χ^2/NDF: 673791.8/89

- sign 11.316+/-0.002 χ^2/NDF: 364331.4/45



Right In: -85.538+/-72.733 χ^2/NDF: 18.5/18

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

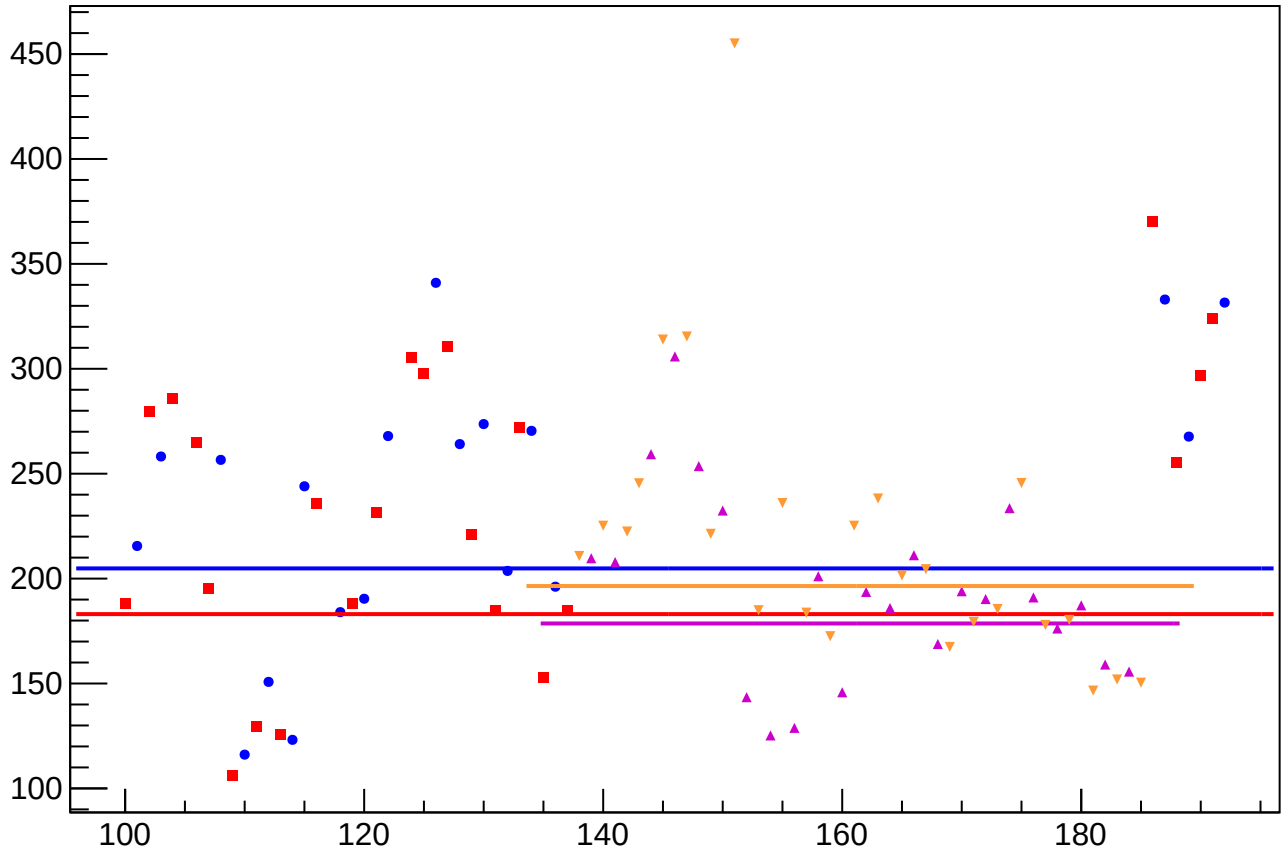
Right Out: 125.574+/-64.766 χ^2/NDF: 13.7/22

Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 81.285+/-39.062 χ^2/NDF: 36.4/43

All: 15.826+/-26.548 χ^2/NDF: 72.6/89

- sign -40.366+/-36.191 χ^2/NDF: 31.0/45



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

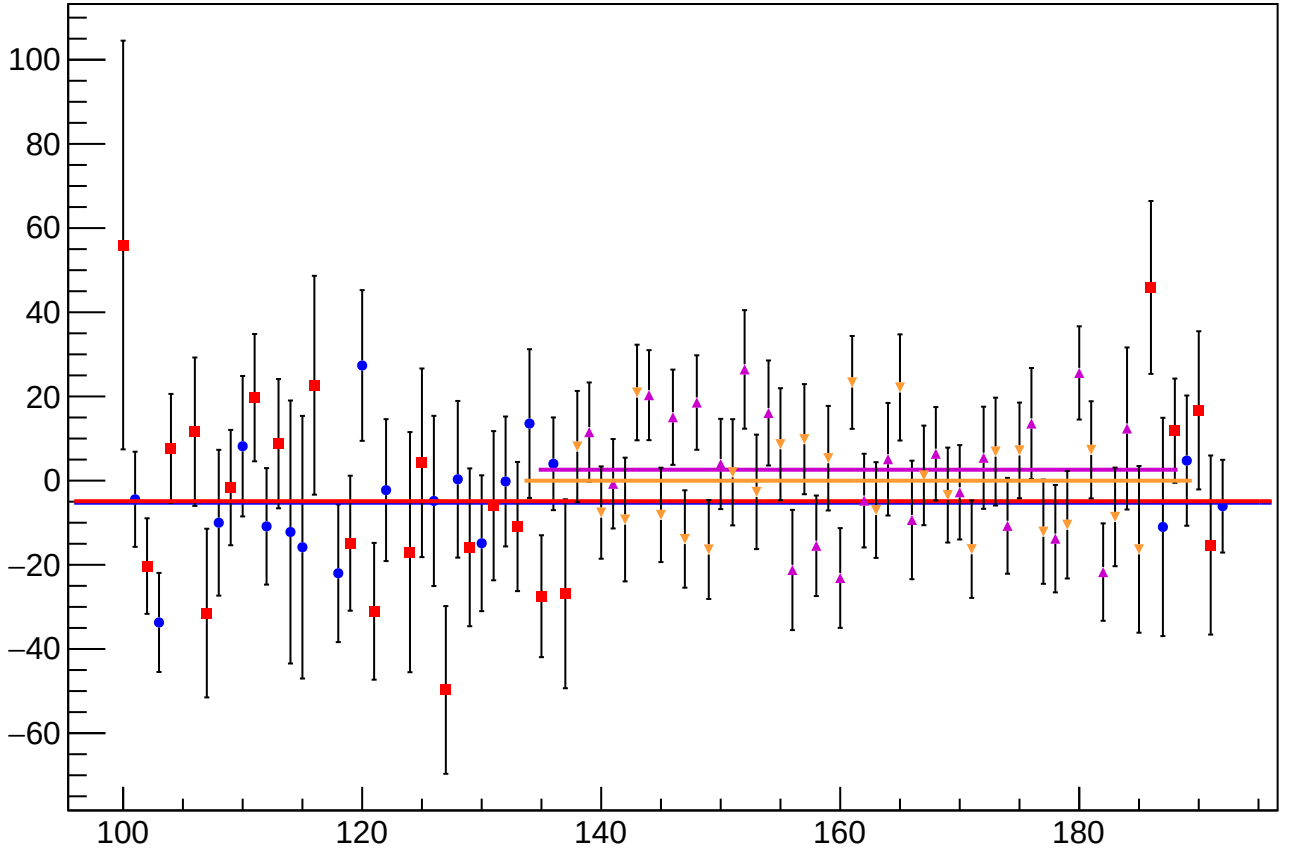
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 198.877+/-0.028 χ^2/NDF: 3313307.7/43

All: 188.723+/-0.019 χ^2/NDF: 7509708.3/89

- sign 180.007+/-0.026 χ^2/NDF: 3945271.1/45

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



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

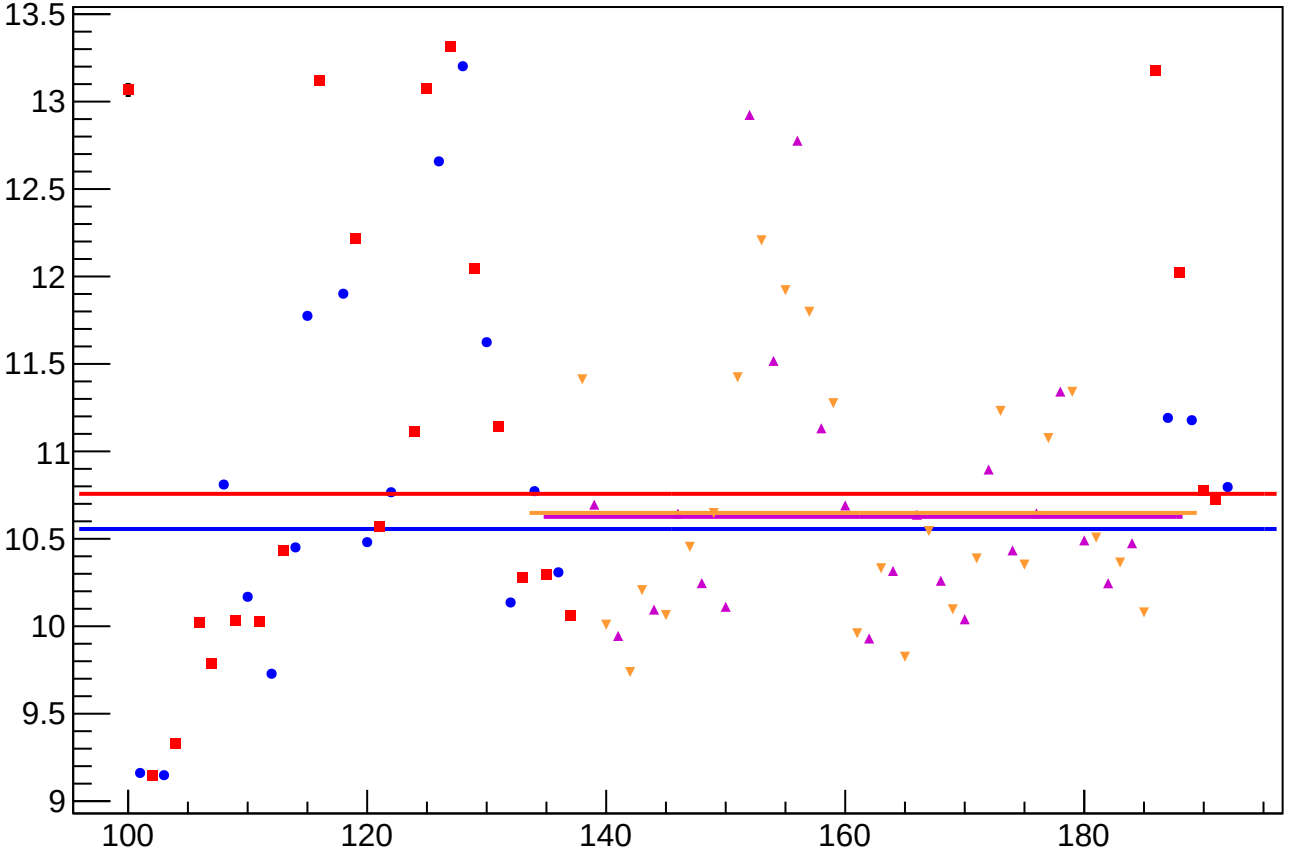
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.685+/-2.018 χ^2/NDF: 39.4/43

All: -0.806+/-1.437 χ^2/NDF: 110.9/89

- sign 0.098+/-2.046 χ^2/NDF: 71.1/45

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.556+/-0.003 χ^2/NDF: 163691.3/18

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

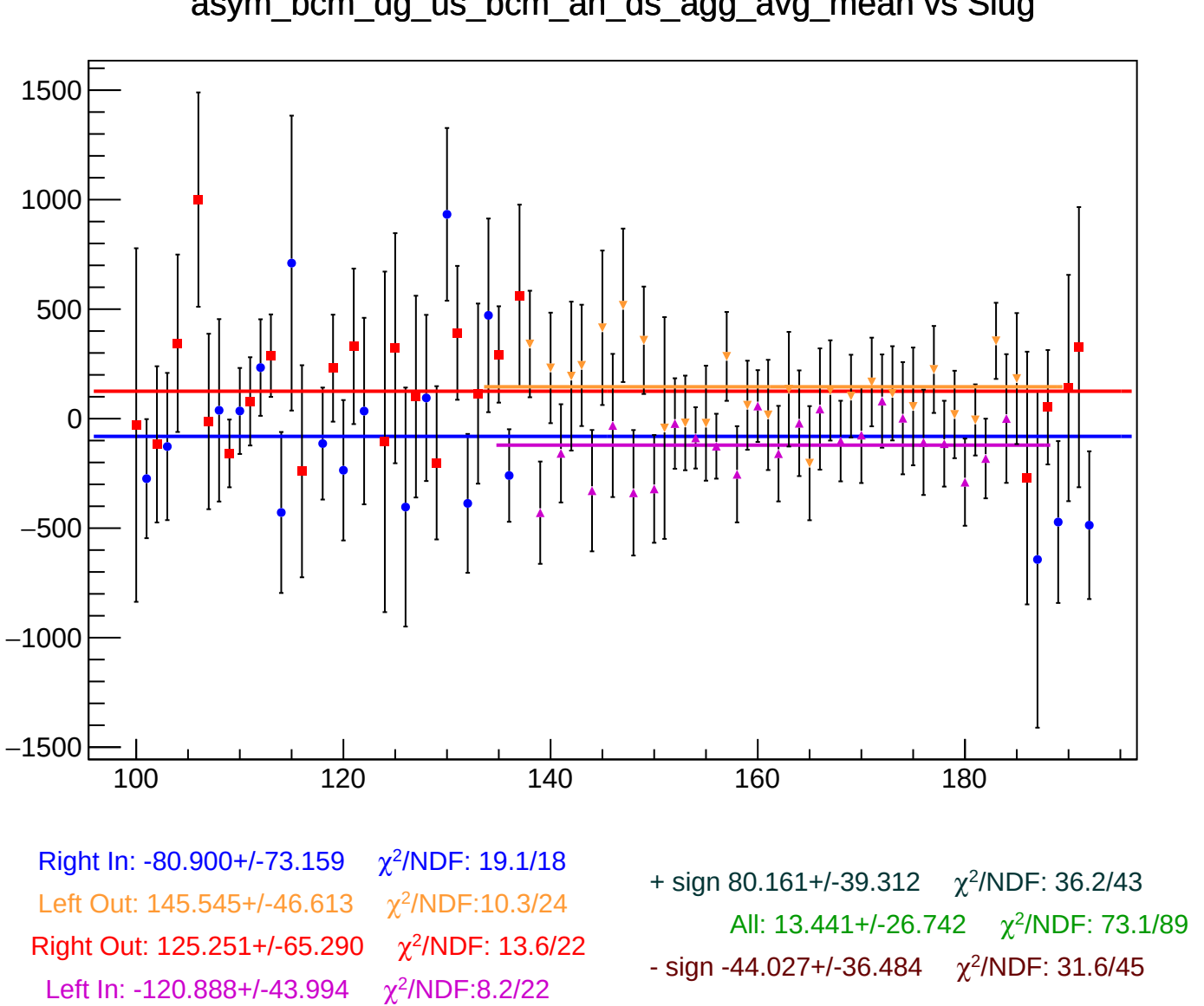
Right Out: 10.757+/-0.003 χ^2/NDF: 241479.2/22

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

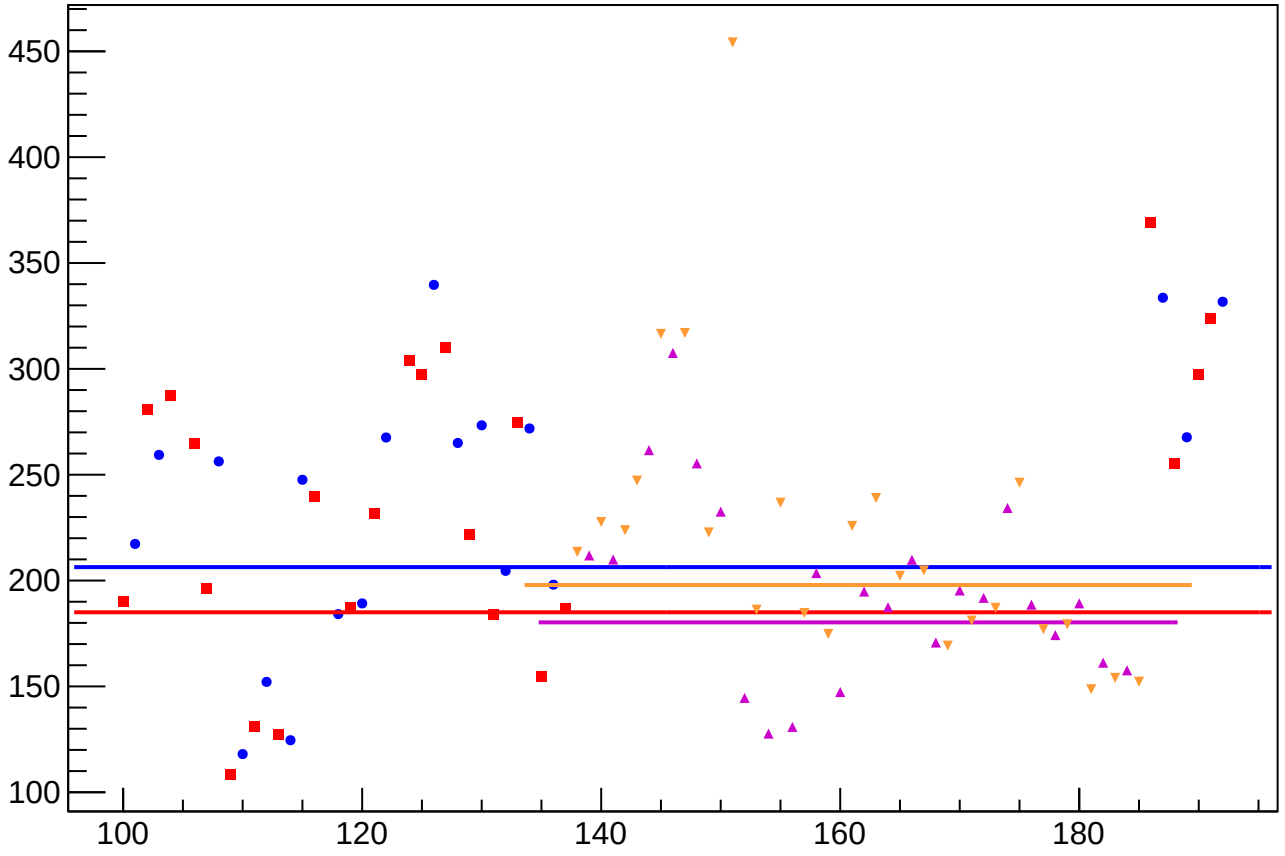
+ sign 10.619+/-0.001 χ^2/NDF: 308130.7/43

All: 10.644+/-0.001 χ^2/NDF: 711609.6/89

- sign 10.670+/-0.001 χ^2/NDF: 402858.7/45


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
Right In: -80.900+/-73.159 χ²/NDF: 19.1/18
Left Out: 145.545+/-46.613 χ²/NDF:10.3/24
Right Out: 125.251+/-65.290 χ²/NDF: 13.6/22
Left In: -120.888+/-43.994 χ²/NDF:8.2/22
+ sign 80.161+/-39.312 χ²/NDF: 36.2/43
All: 13.441+/-26.742 χ²/NDF: 73.1/89
- sign -44.027+/-36.484 χ²/NDF: 31.6/45

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 206.349+/-0.052 χ^2/NDF: 1434089.4/18

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

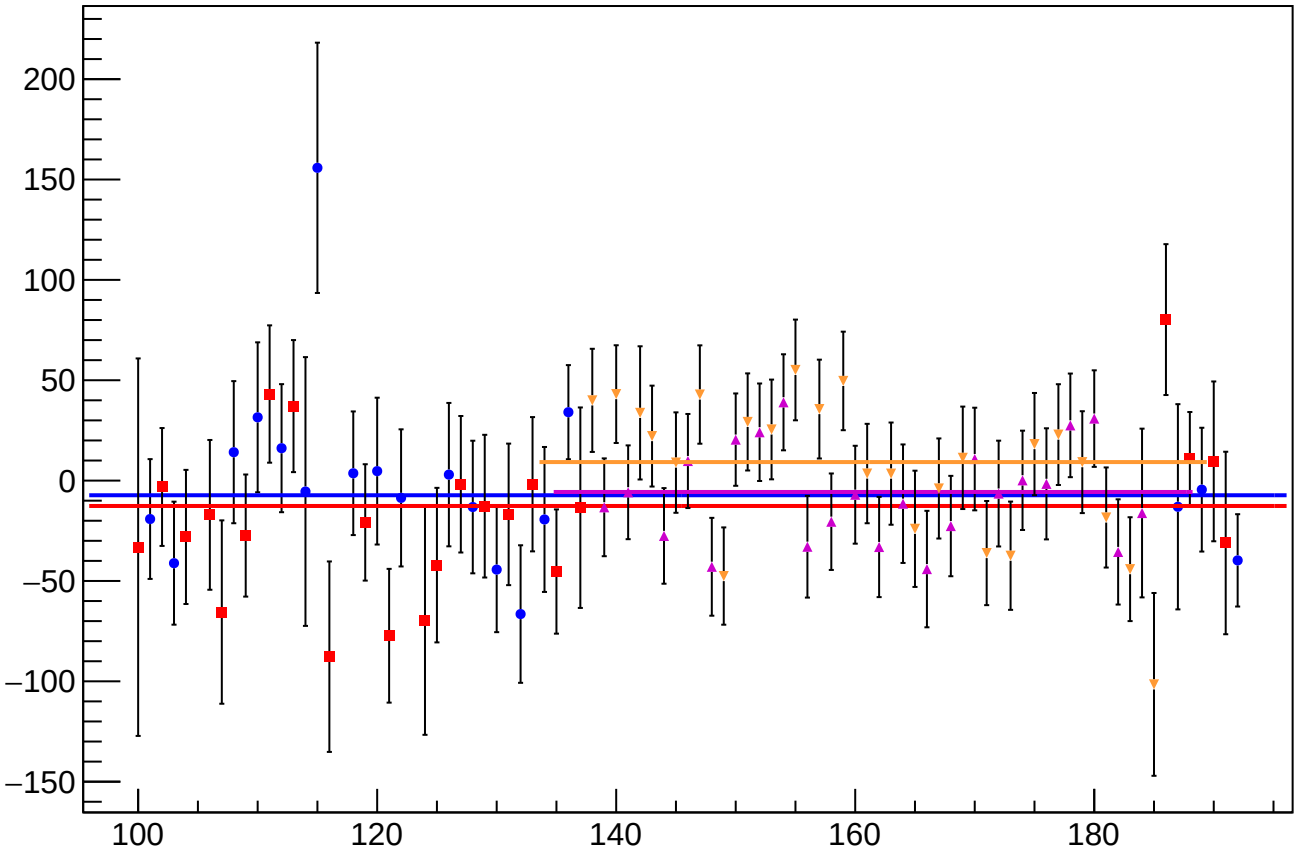
Right Out: 185.013+/-0.046 χ^2/NDF: 2188004.8/22

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 200.333+/-0.028 χ^2/NDF: 3241956.5/43

All: 190.342+/-0.019 χ^2/NDF: 7305524.9/89

- sign 181.736+/-0.026 χ^2/NDF: 3823107.7/45



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

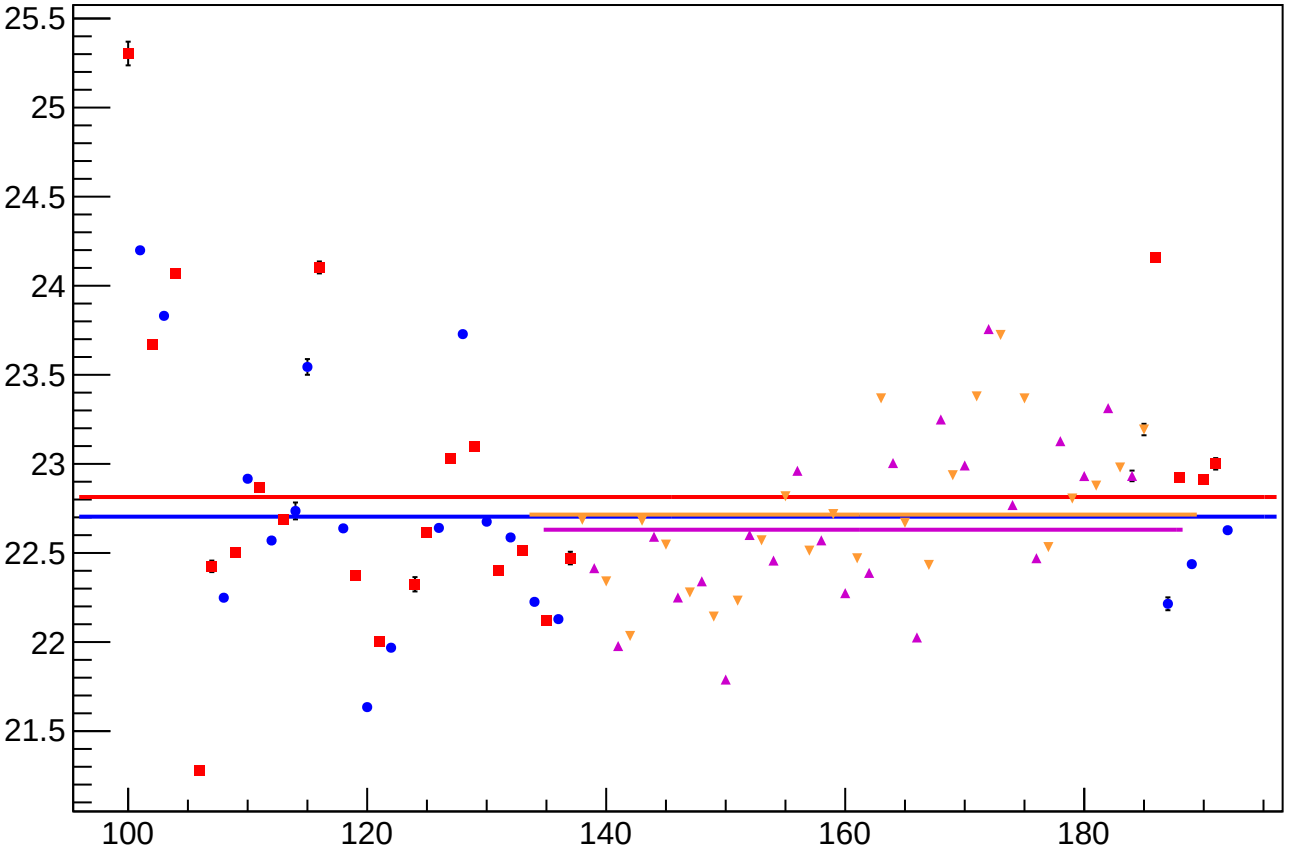
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 4.014+/-4.270 χ^2/NDF: 62.9/43

All: -1.955+/-3.031 χ^2/NDF: 112.0/89

- sign -8.019+/-4.304 χ^2/NDF: 45.1/45

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.704+/-0.005 χ^2/NDF: 15030.3/18

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

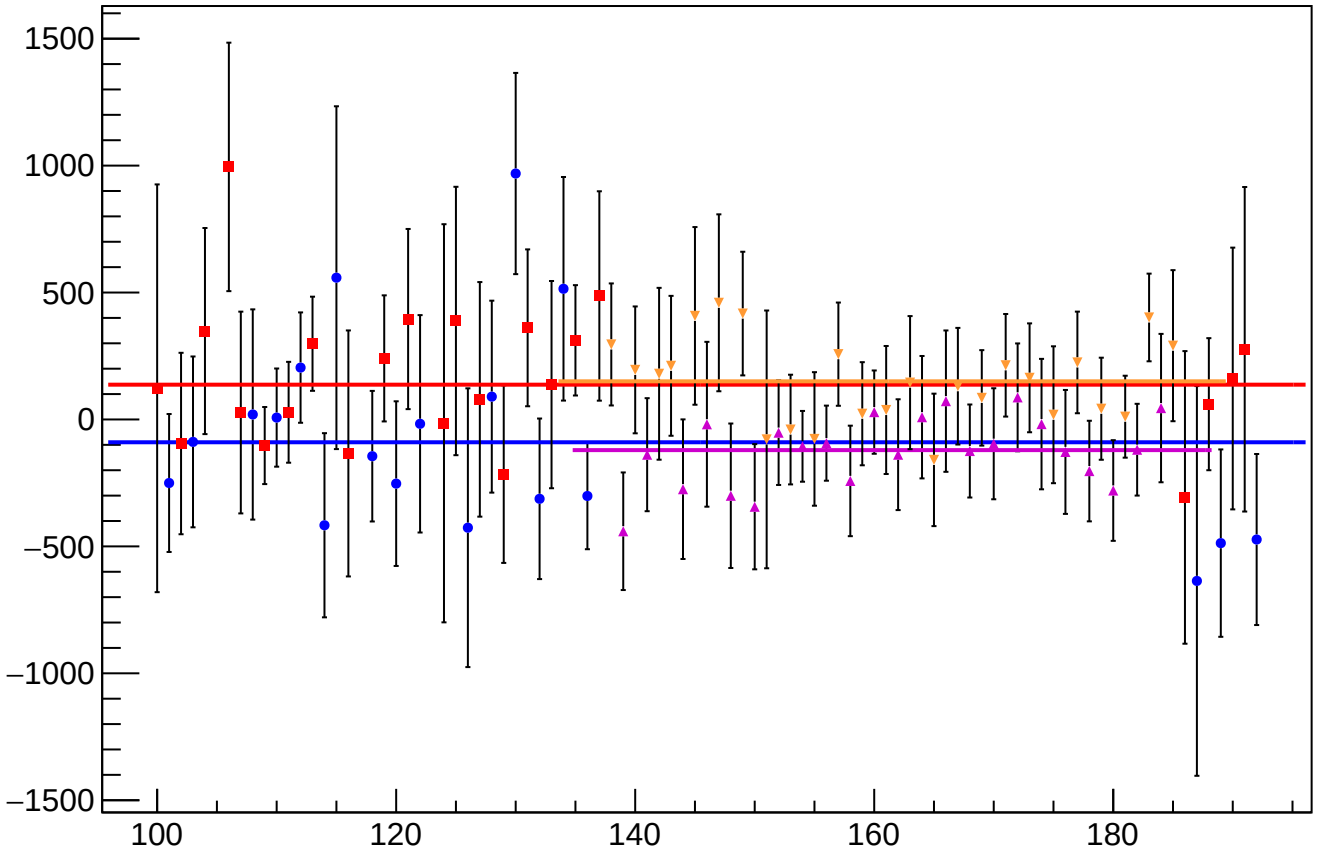
Right Out: 22.814+/-0.005 χ^2/NDF: 17379.5/22

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.712+/-0.003 χ^2/NDF: 27215.0/43

All: 22.702+/-0.002 χ^2/NDF: 60819.2/89

- sign 22.692+/-0.003 χ^2/NDF: 33583.8/45



Right In: -89.848+/-72.854 χ^2/NDF: 18.7/18

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

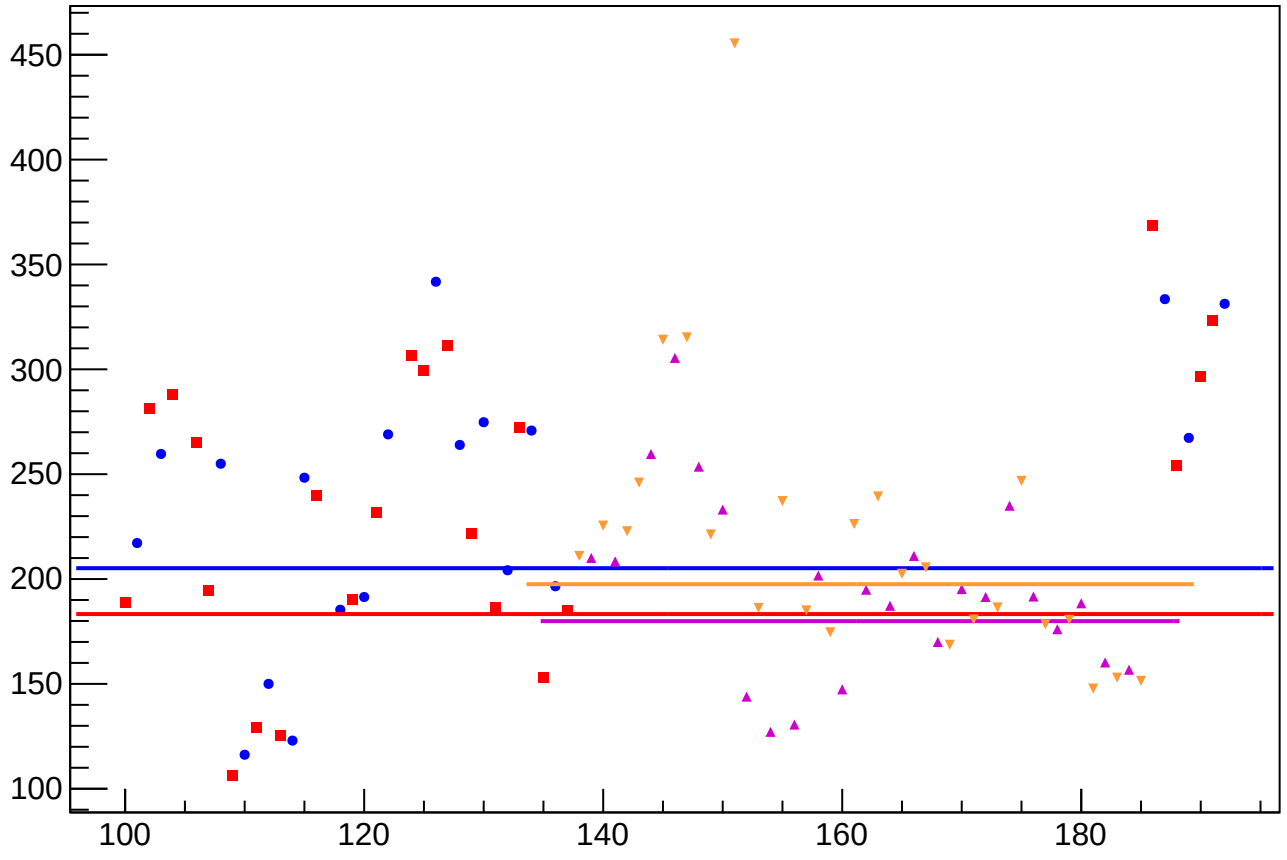
Right Out: 137.027+/-64.854 χ^2/NDF: 12.3/22

Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 80.654+/-39.217 χ^2/NDF: 37.3/43

All: 15.939+/-26.666 χ^2/NDF: 73.4/89

- sign -39.706+/-36.366 χ^2/NDF: 31.0/45



Right In: 205.172+/-0.052 χ^2/NDF: 1482286.3/18

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

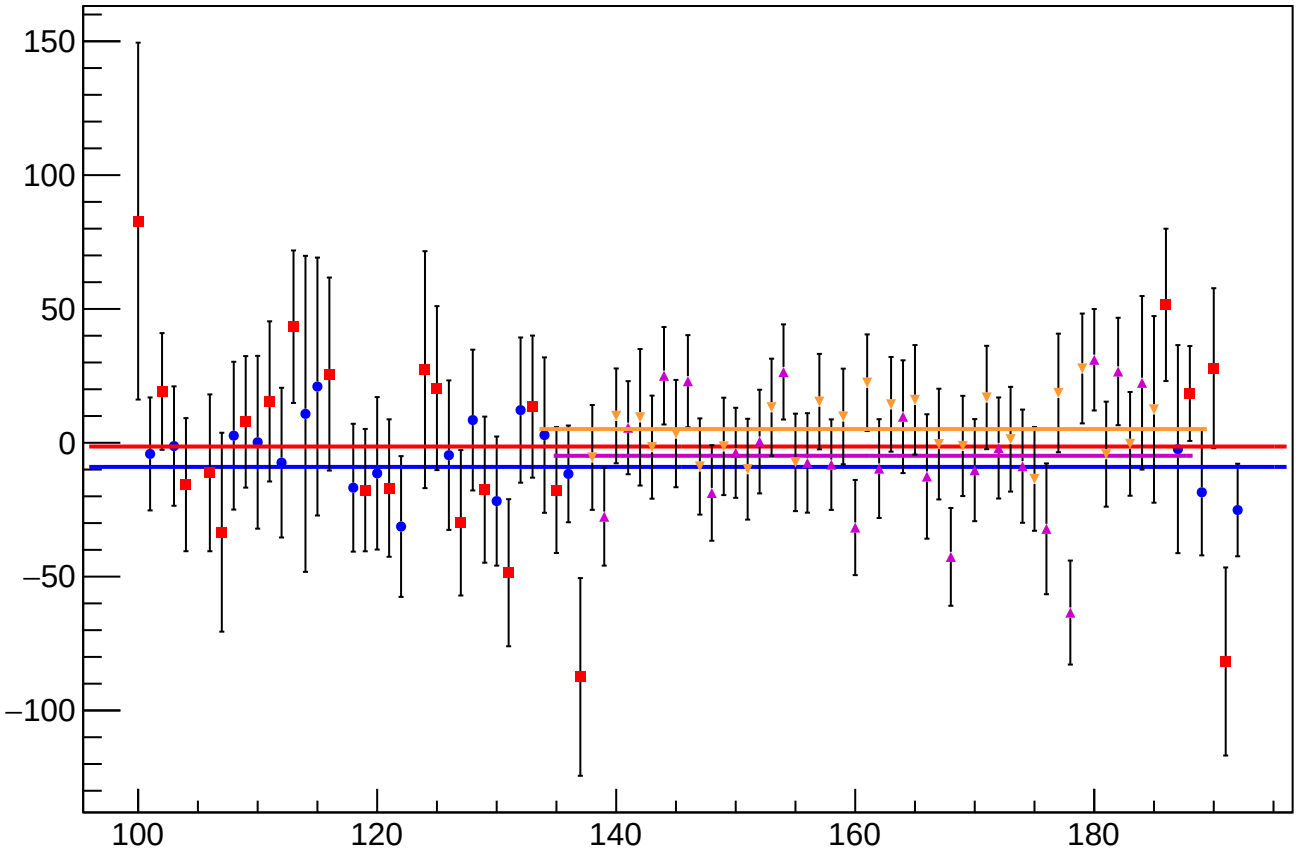
Right Out: 183.296+/-0.046 χ^2/NDF: 2272031.4/22

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 199.747+/-0.028 χ^2/NDF: 3287788.6/43

All: 189.659+/-0.019 χ^2/NDF: 7433835.1/89

- sign 180.984+/-0.026 χ^2/NDF: 3899882.8/45



Right In: -9.013+/-5.891 χ^2/NDF: 4.4/18

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

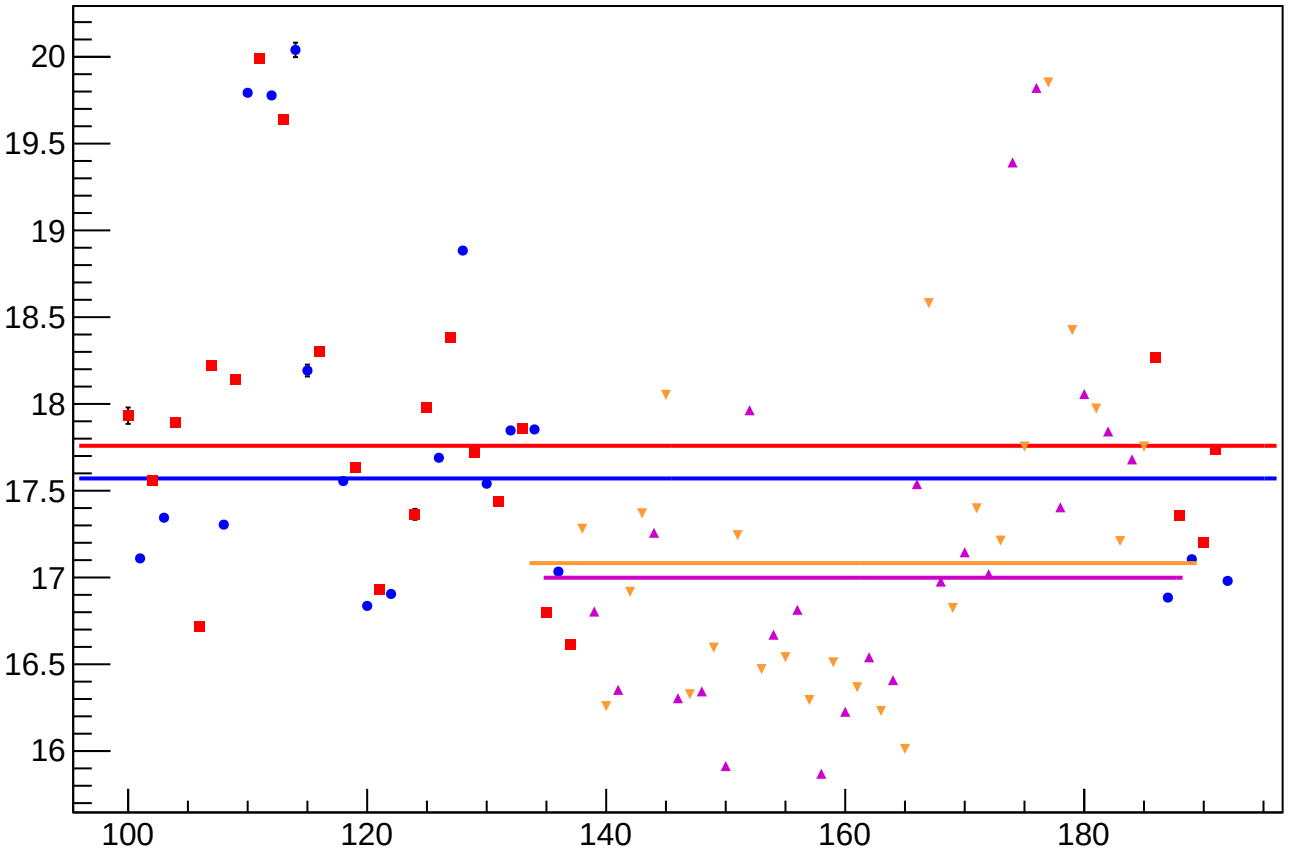
Right Out: -1.397+/-5.778 χ^2/NDF: 30.5/22

Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.827+/-3.246 χ^2/NDF: 16.3/43

All: -1.436+/-2.306 χ^2/NDF: 83.5/89

- sign -3.744+/-3.278 χ^2/NDF: 66.2/45



Right In: 17.571+/-0.004 χ^2/NDF: 40646.7/18

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

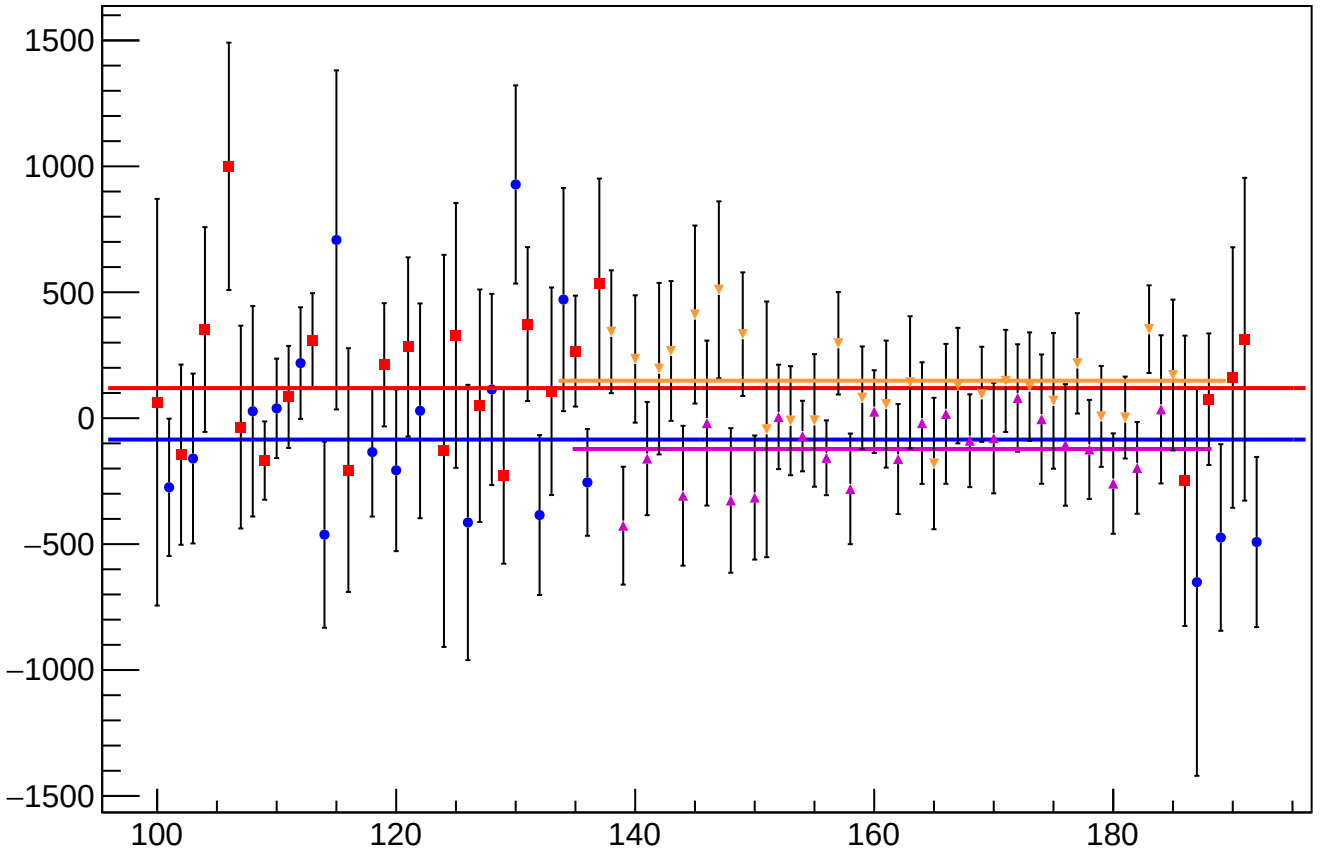
Right Out: 17.759+/-0.004 χ^2/NDF: 35212.9/22

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.231+/-0.002 χ^2/NDF: 146969.8/43

All: 17.237+/-0.002 χ^2/NDF: 309693.5/89

\- sign 17.243+/-0.002 χ^2/NDF: 162709.4/45



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

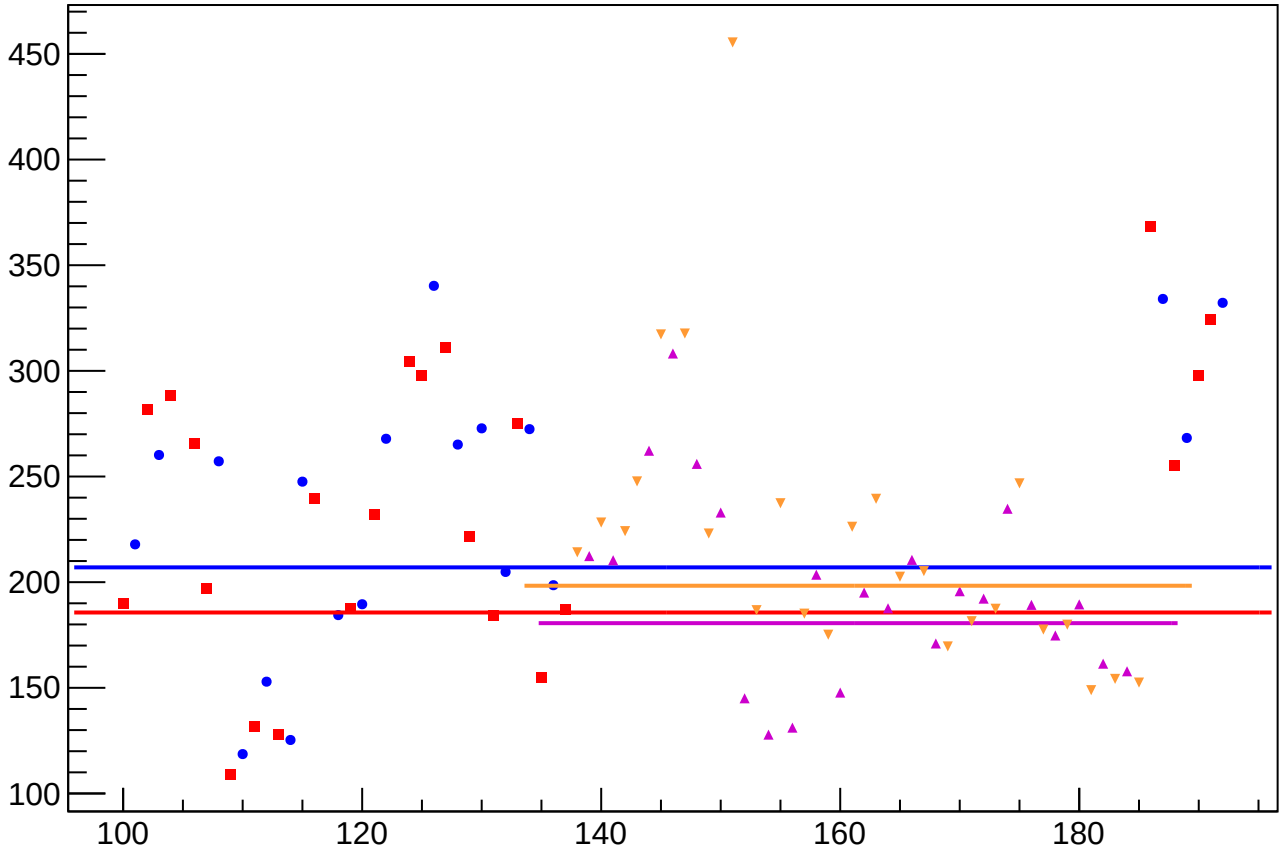
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 81.354+/-39.404 χ^2/NDF: 35.8/43

All: 12.421+/-26.804 χ^2/NDF: 72.2/89

- sign -46.944+/-36.567 χ^2/NDF: 30.7/45

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 207.004+/-0.052 χ^2/NDF: 1421493.5/18

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

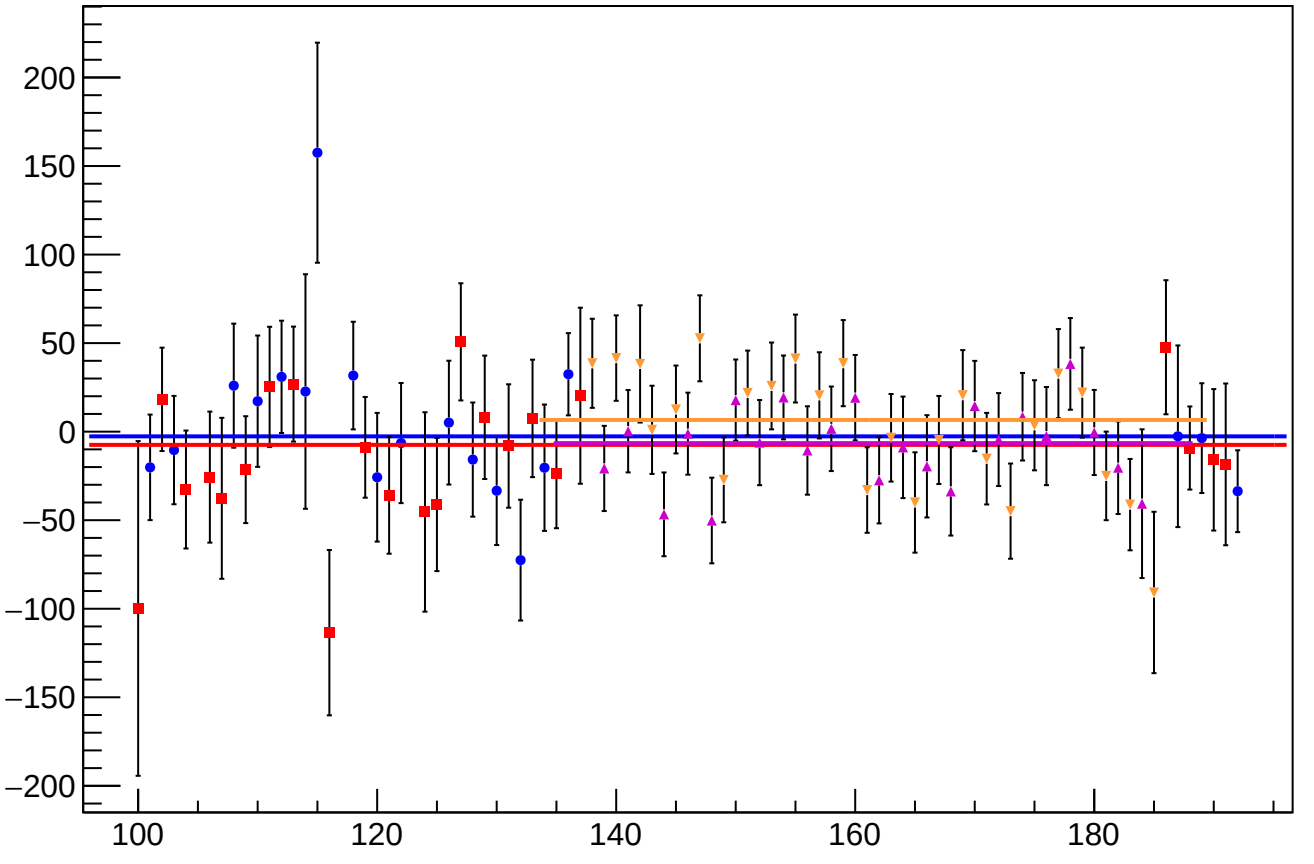
Right Out: 185.648+/-0.046 χ^2/NDF: 2170849.7/22

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 200.820+/-0.028 χ^2/NDF: 3231743.8/43

All: 190.803+/-0.019 χ^2/NDF: 7279437.8/89

- sign 182.175+/-0.026 χ^2/NDF: 3807098.4/45



Right In: -2.658+/-7.545 χ^2/NDF: 20.7/18

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

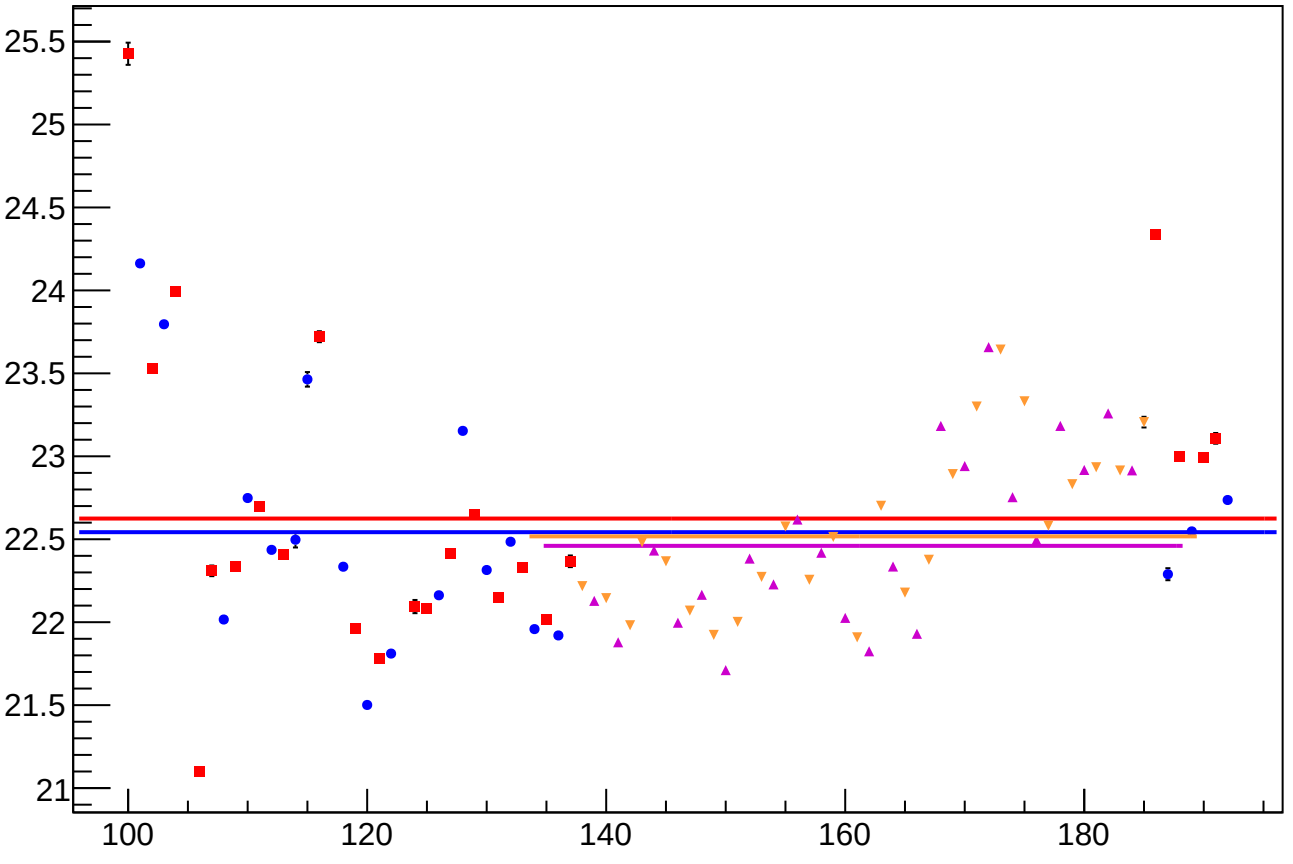
Right Out: -7.458+/-7.352 χ^2/NDF: 18.7/22

Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 3.691+/-4.235 χ^2/NDF: 58.6/43

All: -1.516+/-3.007 χ^2/NDF: 97.9/89

- sign -6.811+/-4.271 χ^2/NDF: 36.2/45



Right In: 22.543+/-0.005 χ^2/NDF: 16147.9/18

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

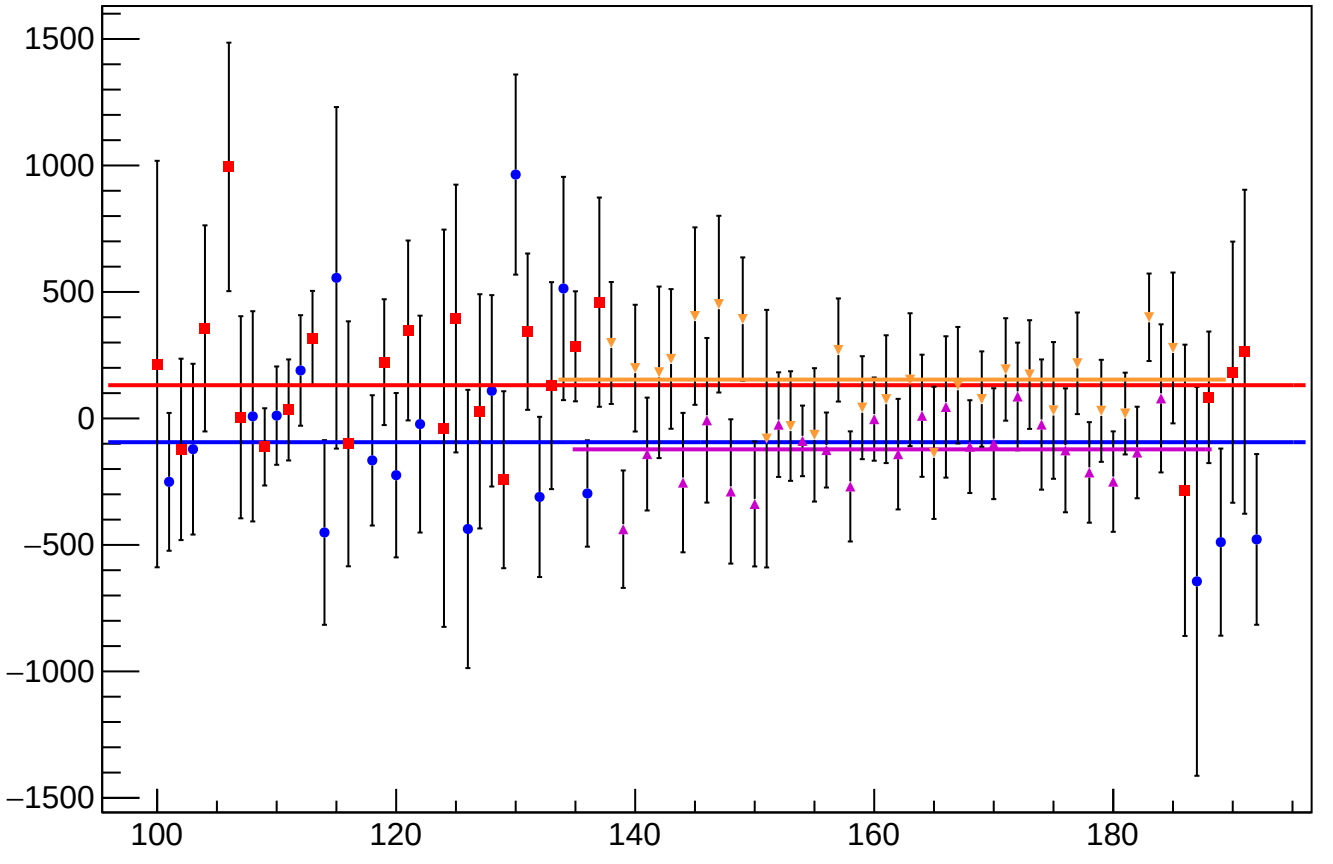
Right Out: 22.625+/-0.005 χ^2/NDF: 21360.3/22

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.525+/-0.003 χ^2/NDF: 32165.7/43

All: 22.521+/-0.002 χ^2/NDF: 73311.9/89

- sign 22.516+/-0.003 χ^2/NDF: 41141.2/45



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

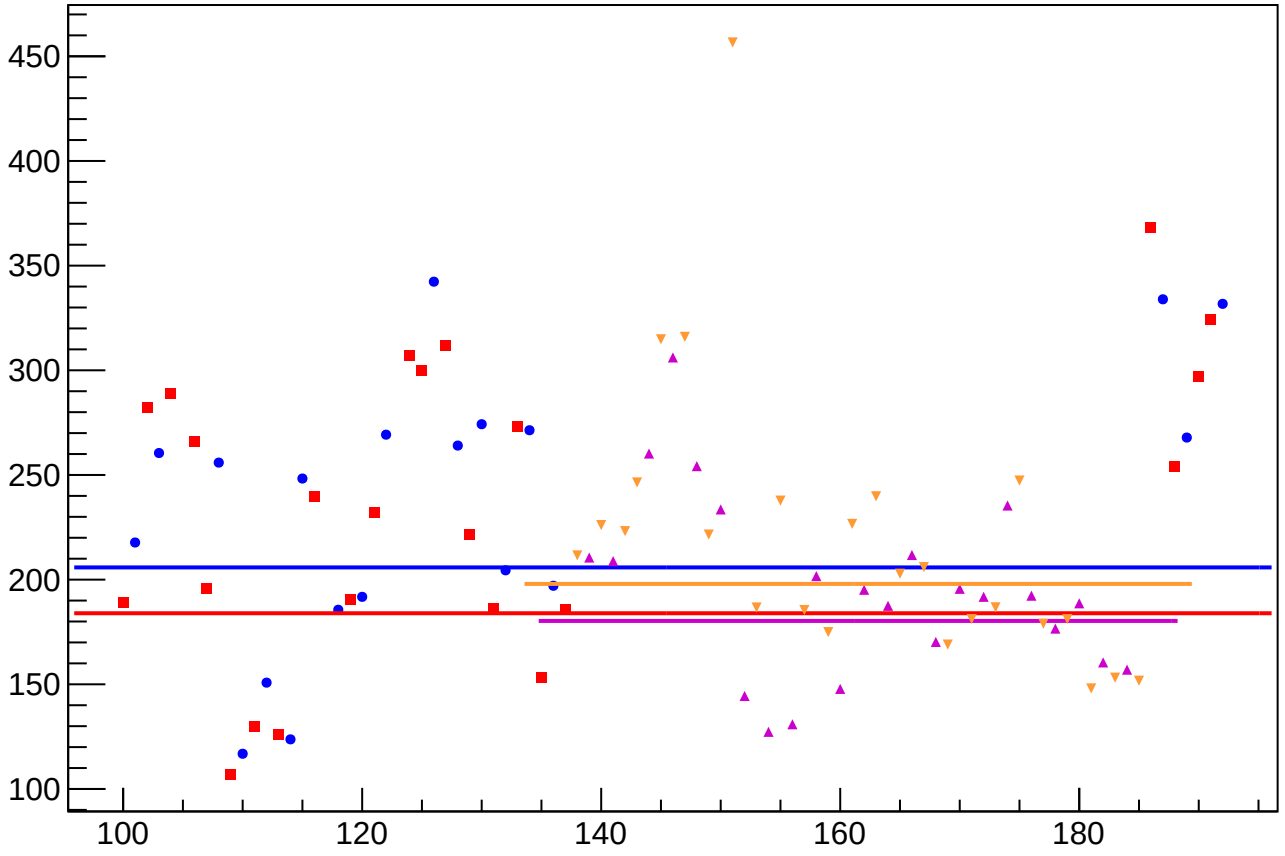
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 81.878+/-39.310 χ^2/NDF: 36.8/43

All: 14.966+/-26.728 χ^2/NDF: 72.3/89

- sign -42.559+/-36.449 χ^2/NDF: 30.1/45

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 205.837+/-0.052 χ^2/NDF: 1468979.1/18

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

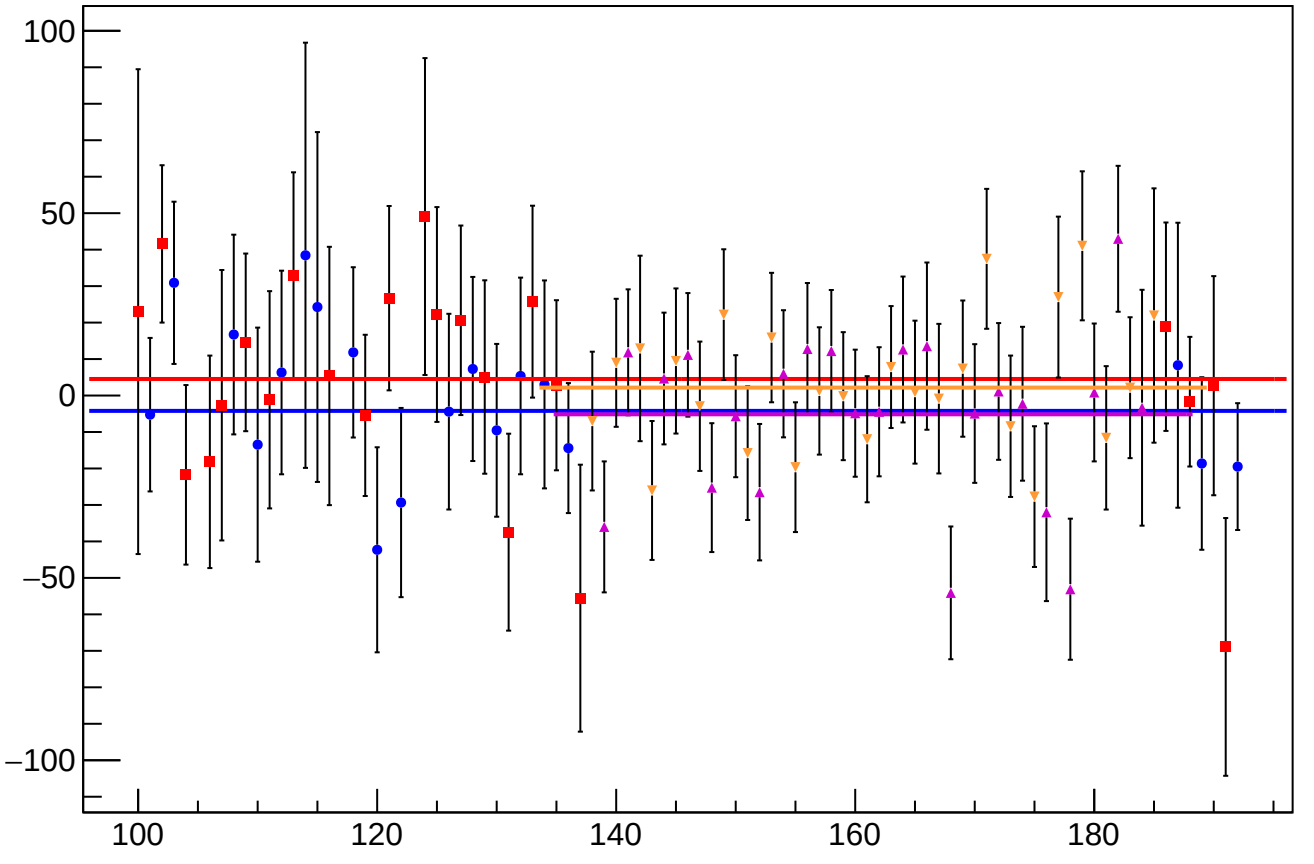
Right Out: 183.944+/-0.046 χ^2/NDF: 2253918.1/22

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 200.238+/-0.028 χ^2/NDF: 3276864.6/43

All: 190.123+/-0.019 χ^2/NDF: 7406116.4/89

- sign 181.427+/-0.026 χ^2/NDF: 3882968.6/45



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

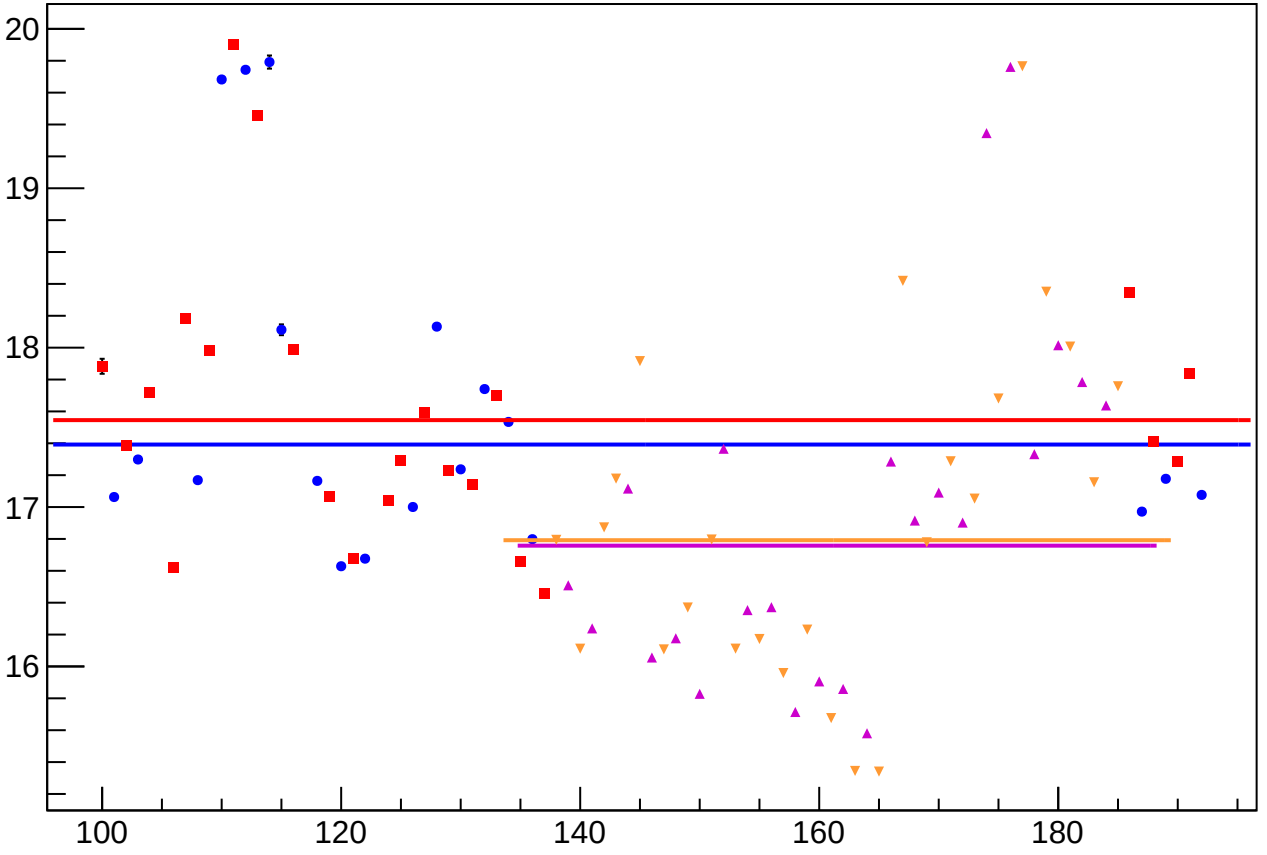
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.253+/-3.198 χ^2/NDF: 30.3/43

All: -0.880+/-2.274 χ^2/NDF: 84.0/89

- sign -2.039+/-3.234 χ^2/NDF: 53.5/45

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.392+/-0.004 χ^2/NDF: 37953.1/18

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

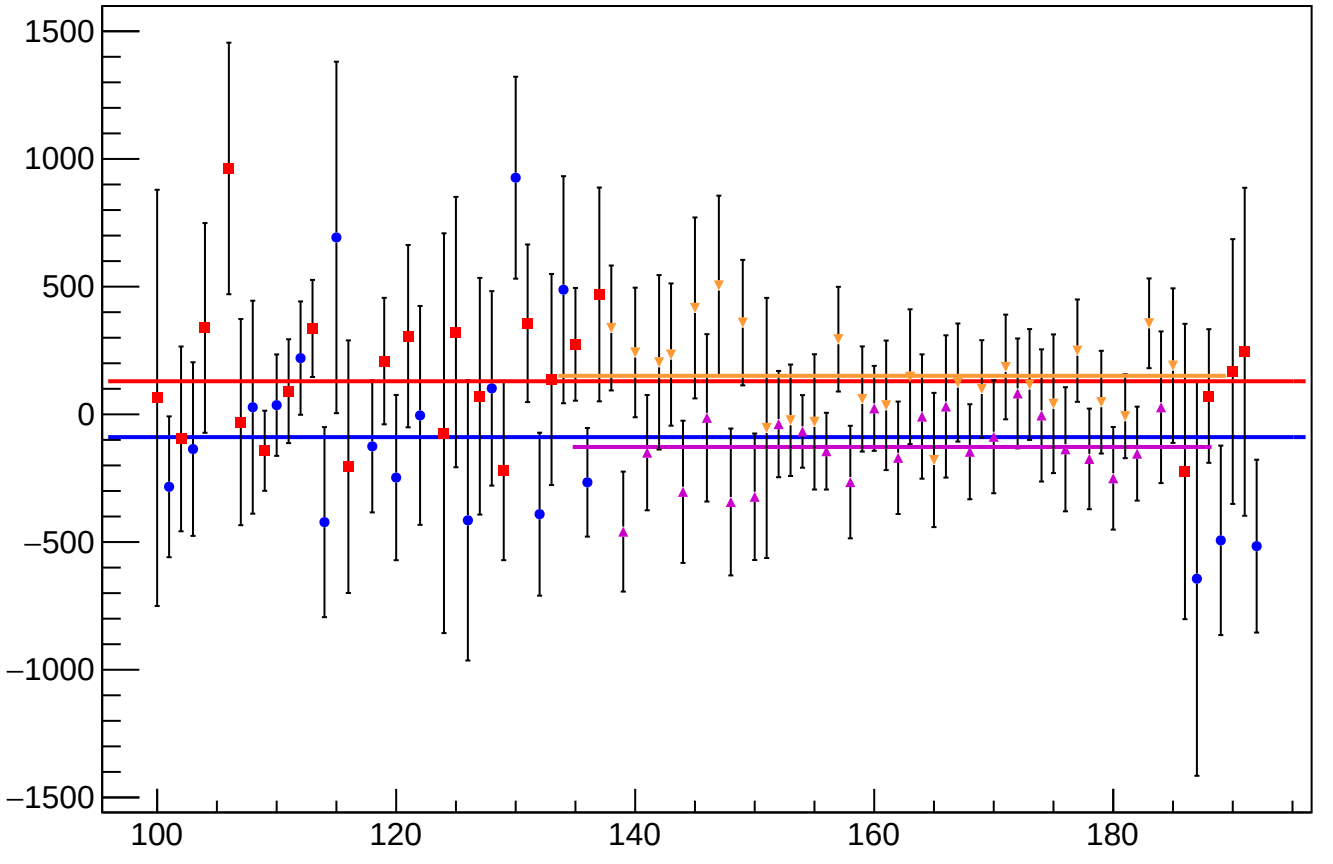
Right Out: 17.545+/-0.004 χ^2/NDF: 36715.9/22

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.973+/-0.002 χ^2/NDF: 189774.7/43

All: 16.991+/-0.002 χ^2/NDF: 375794.9/89

- sign 17.011+/-0.002 χ^2/NDF: 185880.8/45



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

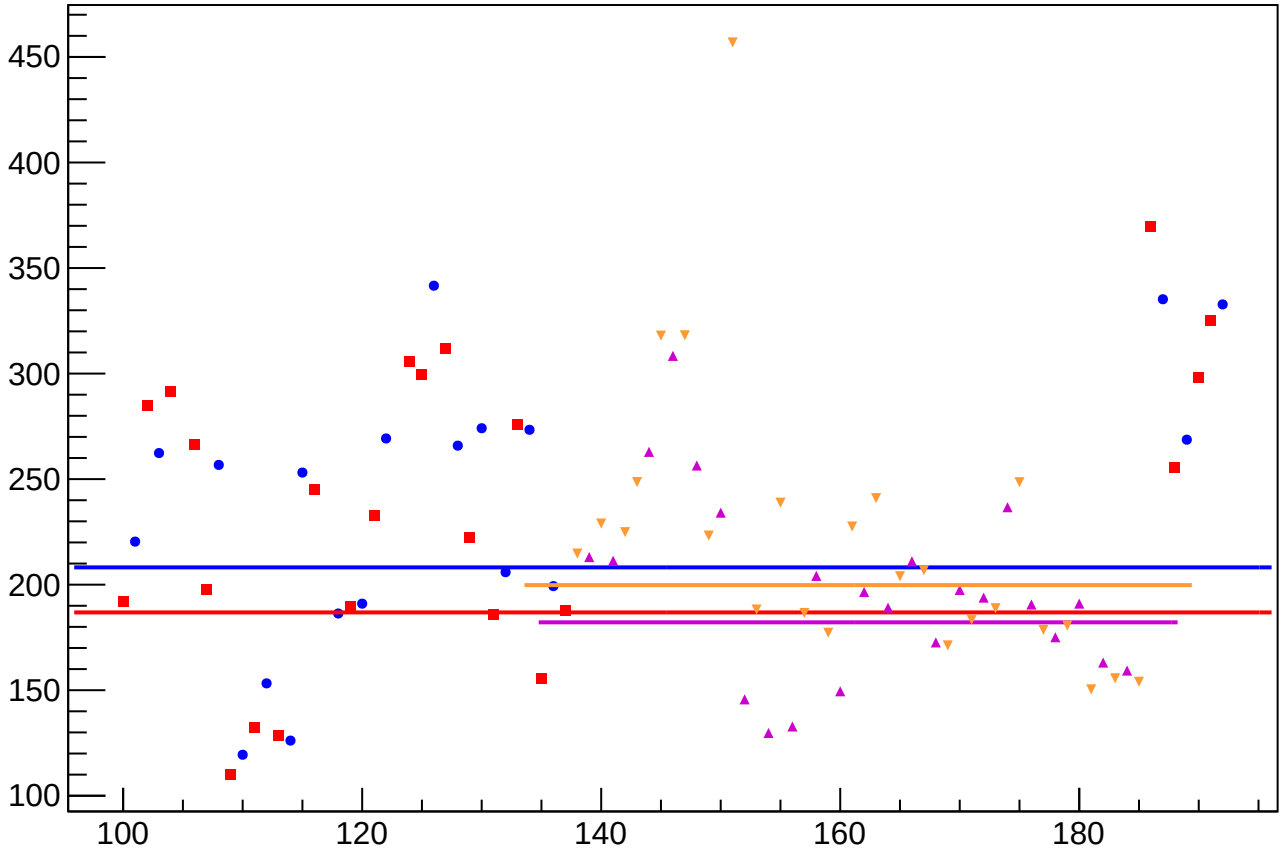
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 81.505+/-39.658 χ^2/NDF: 36.6/43

All: 12.373+/-26.988 χ^2/NDF: 72.6/89

- sign -47.261+/-36.833 χ^2/NDF: 30.3/45

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 208.186+/-0.052 χ^2/NDF: 1415234.9/18

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

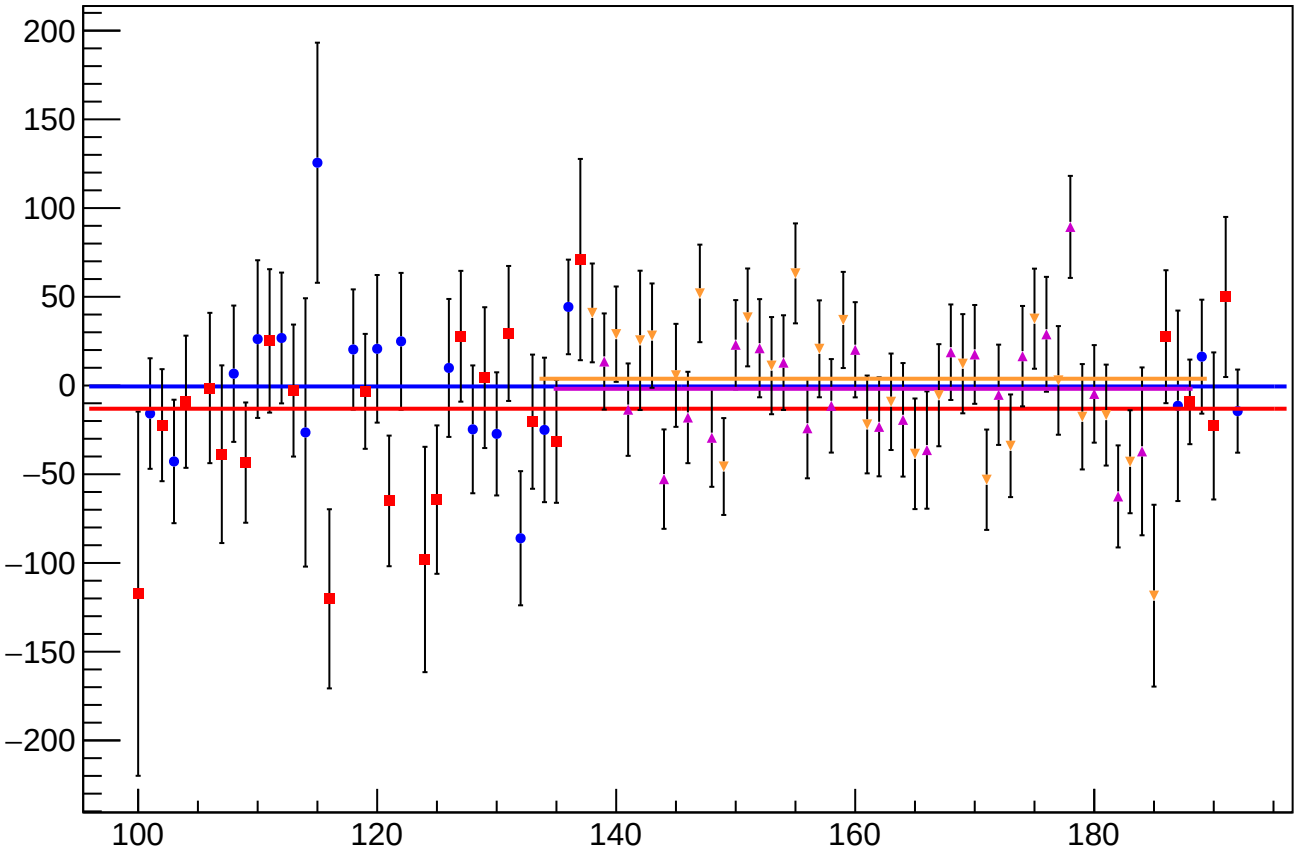
Right Out: 186.851+/-0.047 χ^2/NDF: 2165292.8/22

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 202.213+/-0.028 χ^2/NDF: 3194005.4/43

All: 192.231+/-0.019 χ^2/NDF: 7186692.3/89

- sign 183.620+/-0.026 χ^2/NDF: 3756651.8/45



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

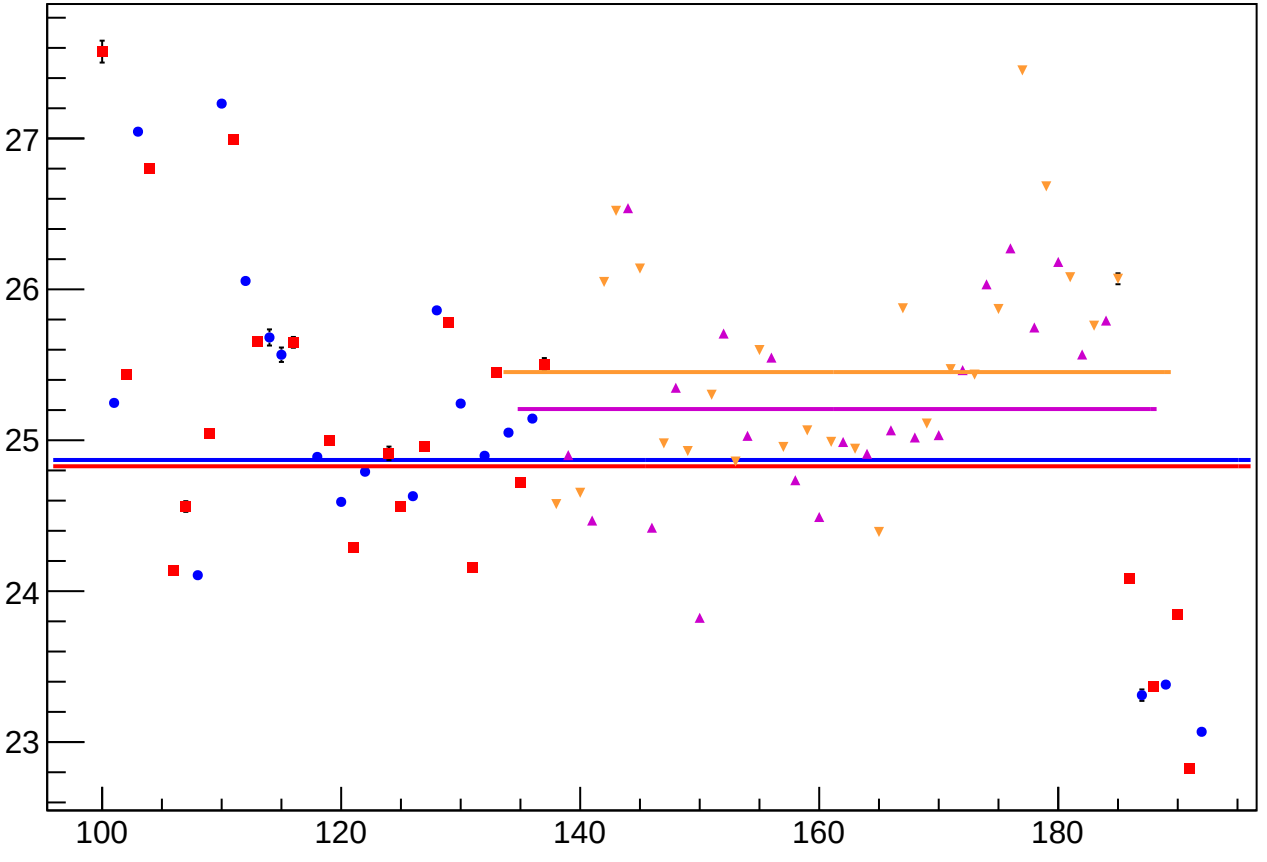
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 2.414+/-4.754 χ^2/NDF: 55.2/43

All: -1.664+/-3.364 χ^2/NDF: 107.5/89

- sign -5.751+/-4.760 χ^2/NDF: 50.8/45

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



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

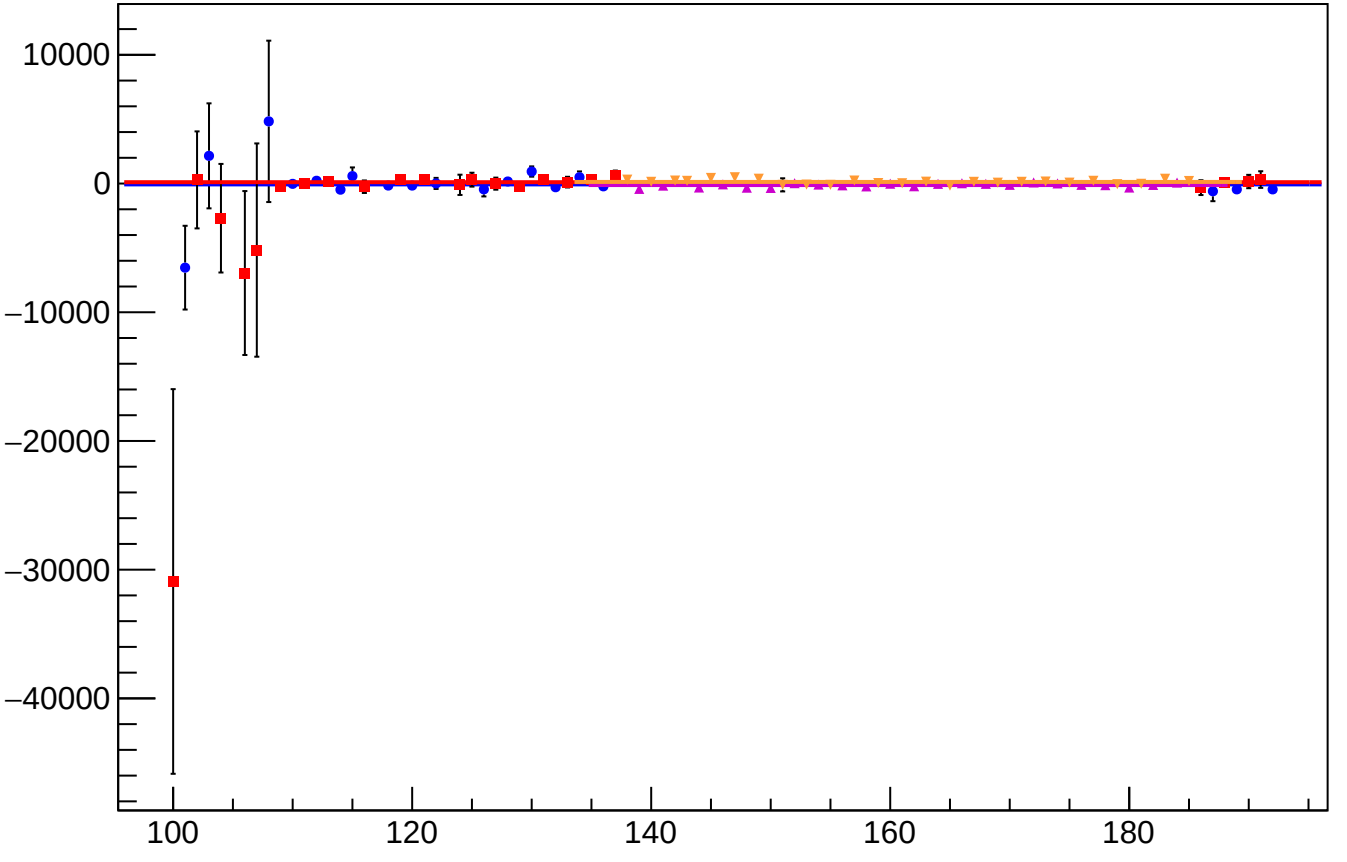
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.262+/-0.003 χ^2/NDF: 73259.6/43

All: 25.169+/-0.002 χ^2/NDF: 135748.0/89

- sign 25.075+/-0.003 χ^2/NDF: 60940.5/45

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



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

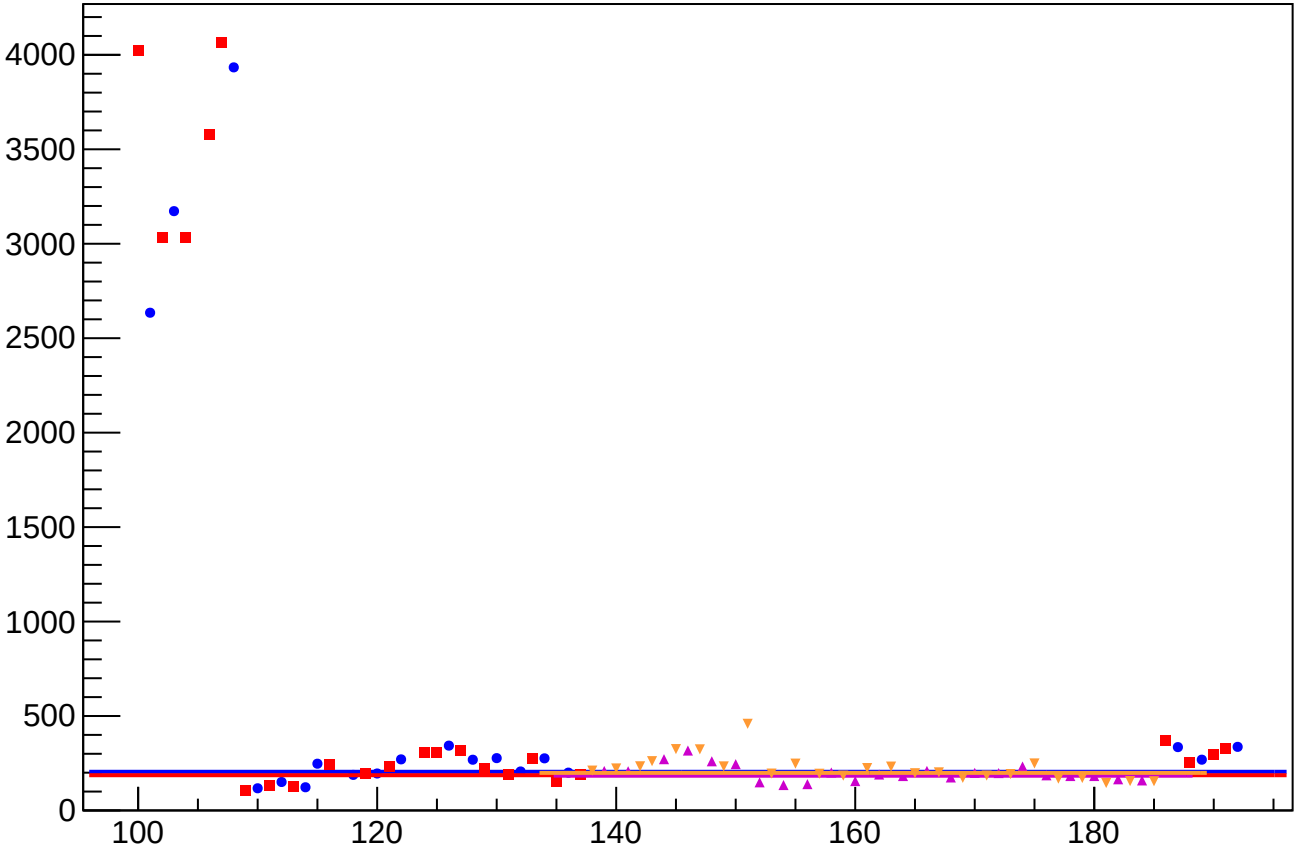
Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign 76.148+/-40.456 χ^2/NDF: 36.9/43

All: 6.162+/-27.785 χ^2/NDF: 71.9/89

- sign -56.320+/-38.226 χ^2/NDF: 29.4/45

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 204.721+/-0.056 χ^2/NDF: 4282775.8/18

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

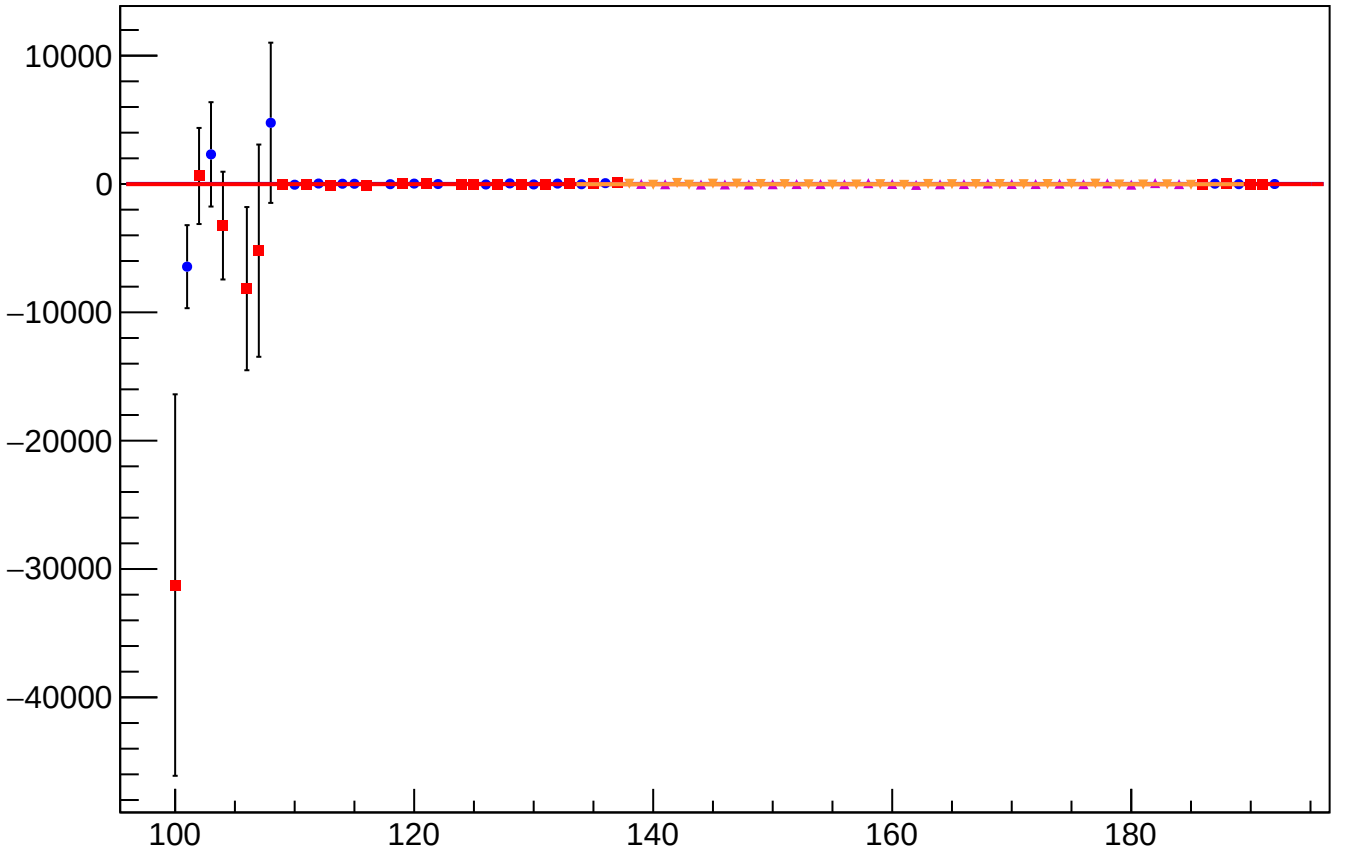
Right Out: 186.542+/-0.052 χ^2/NDF: 4893155.3/22

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 200.464+/-0.029 χ^2/NDF: 6192580.0/43

All: 192.287+/-0.020 χ^2/NDF: 12687951.0/89

- sign 184.987+/-0.027 χ^2/NDF: 6340713.1/45



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

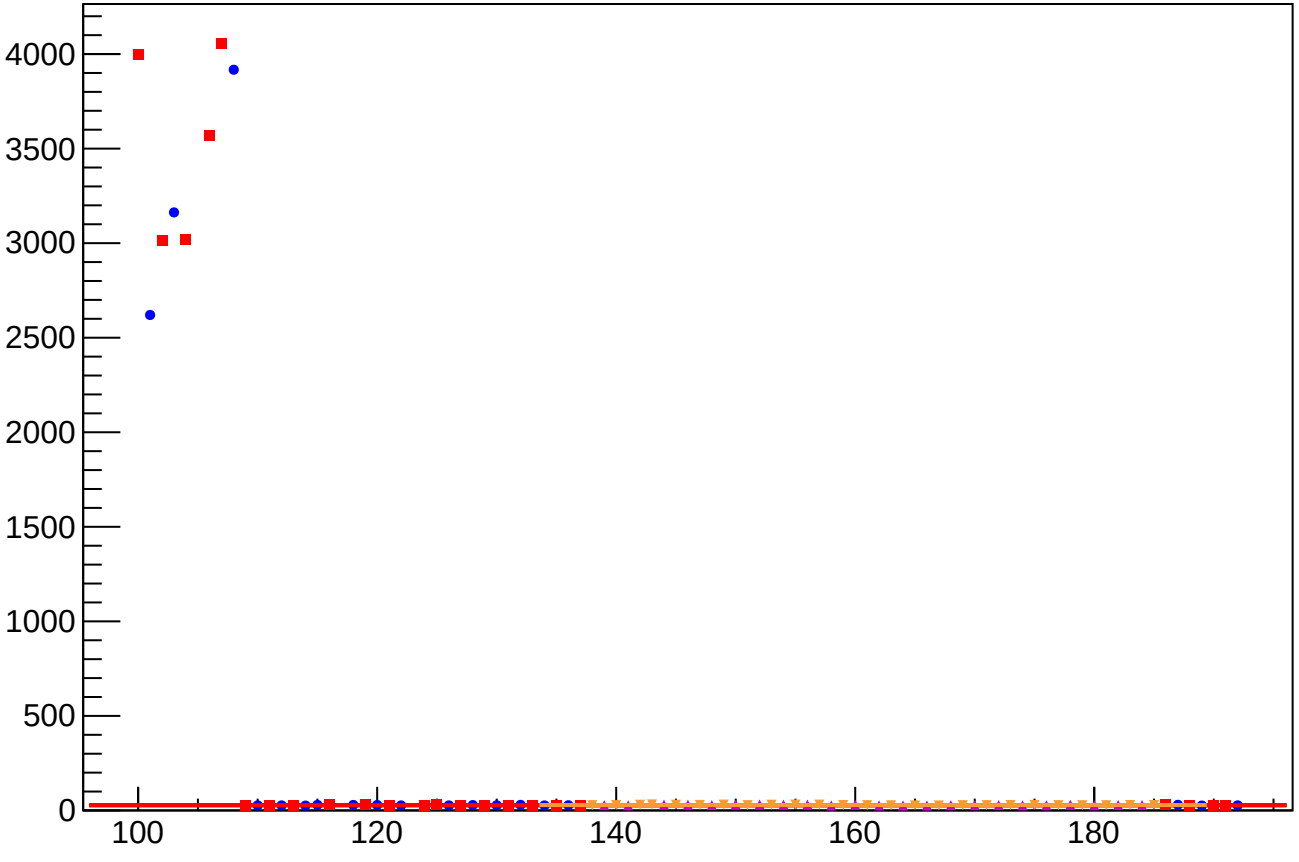
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -8.588+/-5.484 χ^2/NDF: 41.9/43

All: -7.071+/-3.919 χ^2/NDF: 97.9/89

- sign -5.489+/-5.602 χ^2/NDF: 55.9/45

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.444+/-0.007 χ^2/NDF: 3272800.4/18

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

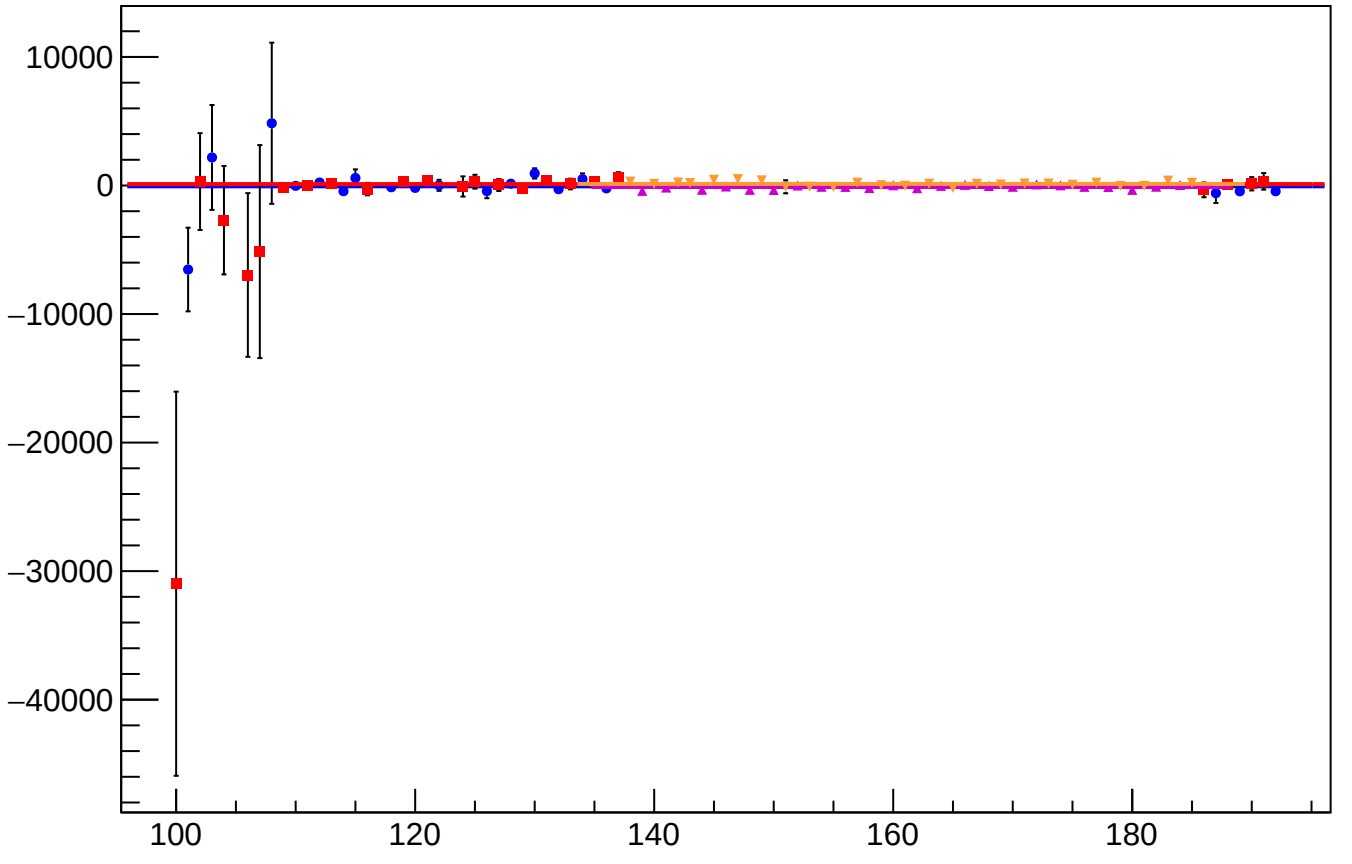
Right Out: 27.678+/-0.007 χ^2/NDF: 3577106.4/22

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

\+ sign 28.254+/-0.004 χ^2/NDF: 3378800.3/43

All: 28.289+/-0.003 χ^2/NDF: 7090567.2/89

\- sign 28.326+/-0.004 χ^2/NDF: 3711598.1/45



Right In: -63.153+/-79.622 χ^2/NDF: 21.5/18

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

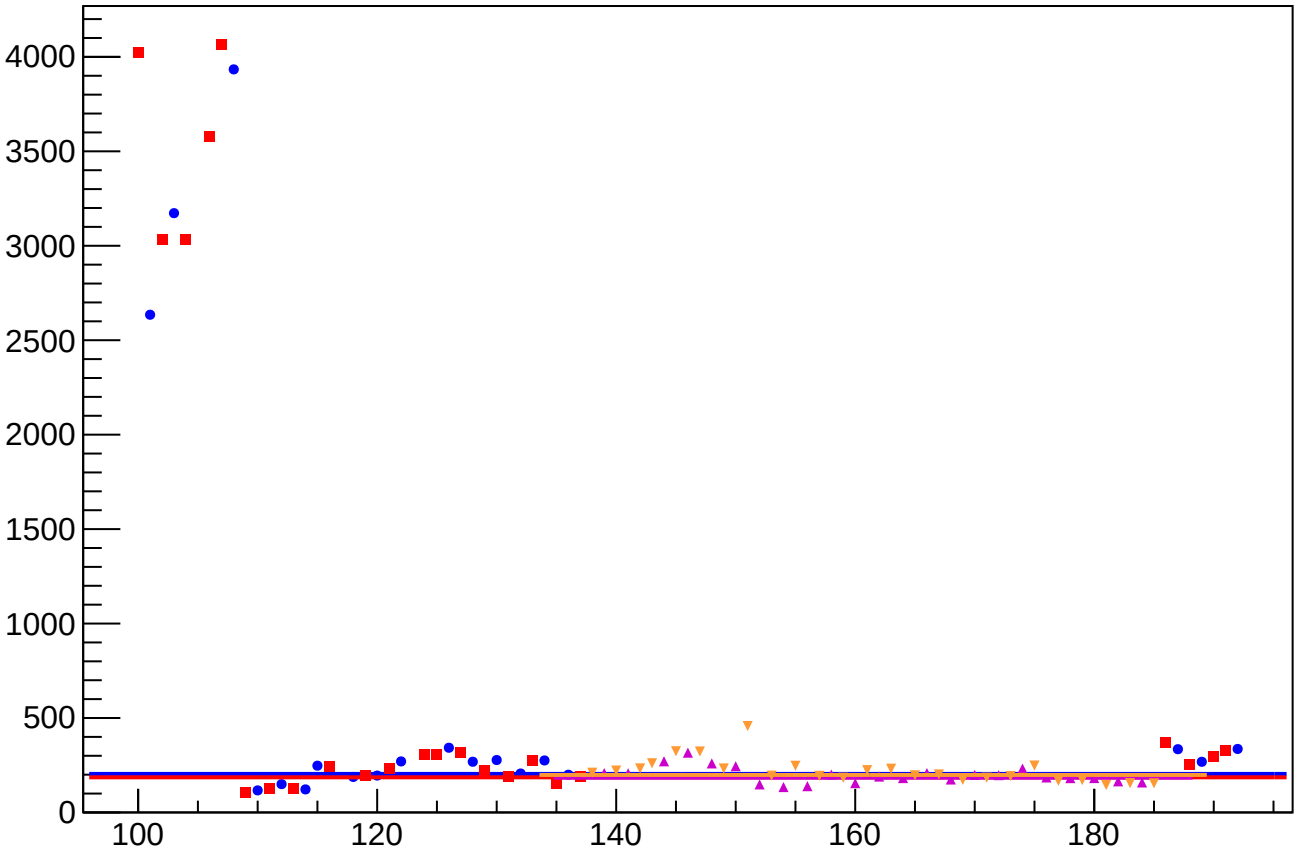
Right Out: 110.690+/-72.796 χ^2/NDF: 15.2/22

Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 74.358+/-40.363 χ^2/NDF: 37.5/43

All: 6.592+/-27.723 χ^2/NDF: 73.5/89

- sign -53.933+/-38.145 χ^2/NDF: 30.7/45



Right In: 204.042+/-0.056 χ^2/NDF: 4297622.2/18

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

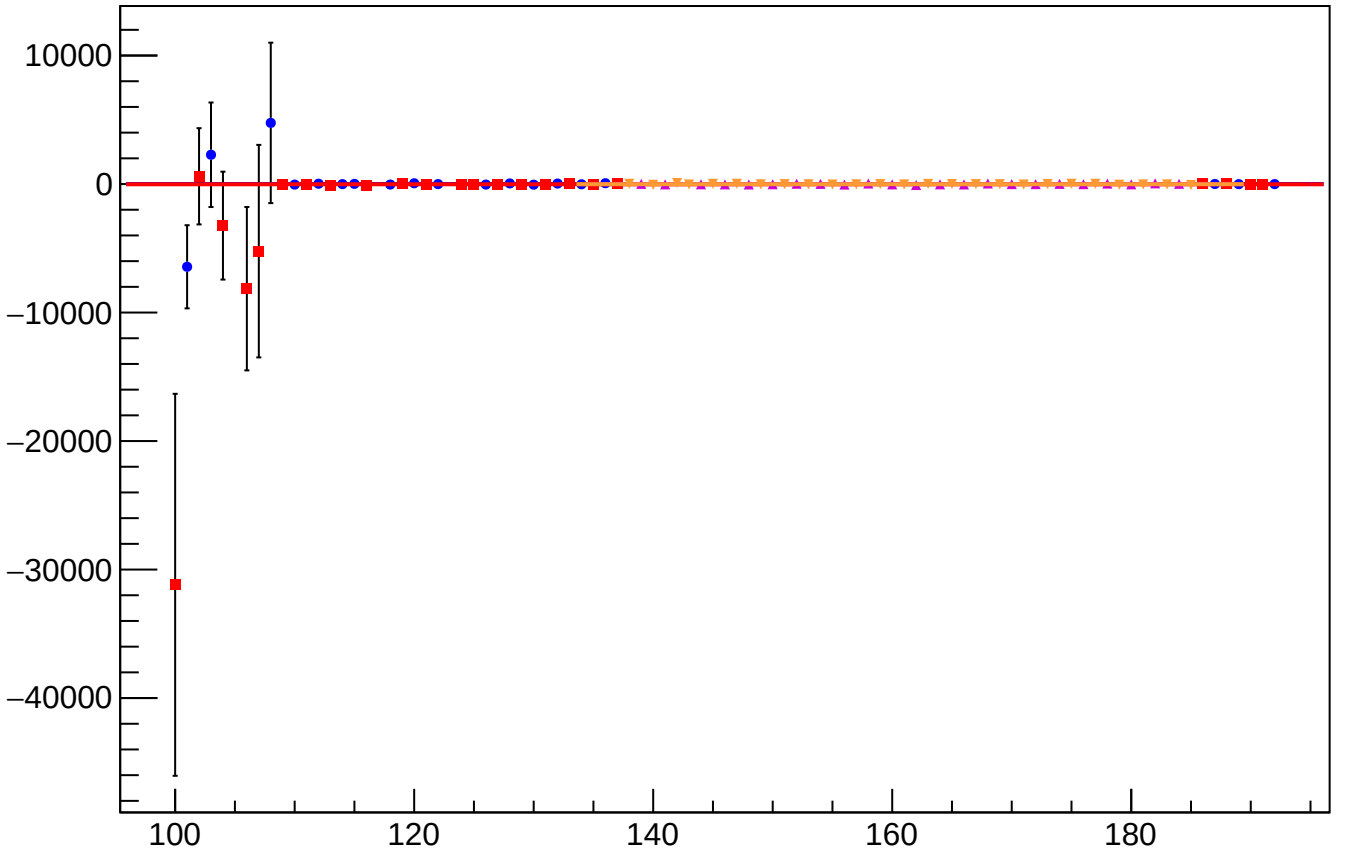
Right Out: 185.923+/-0.051 χ^2/NDF: 4911036.5/22

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 199.977+/-0.029 χ^2/NDF: 6206143.1/43

All: 191.836+/-0.020 χ^2/NDF: 12717588.2/89

- sign 184.565+/-0.027 χ^2/NDF: 6357422.0/45



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

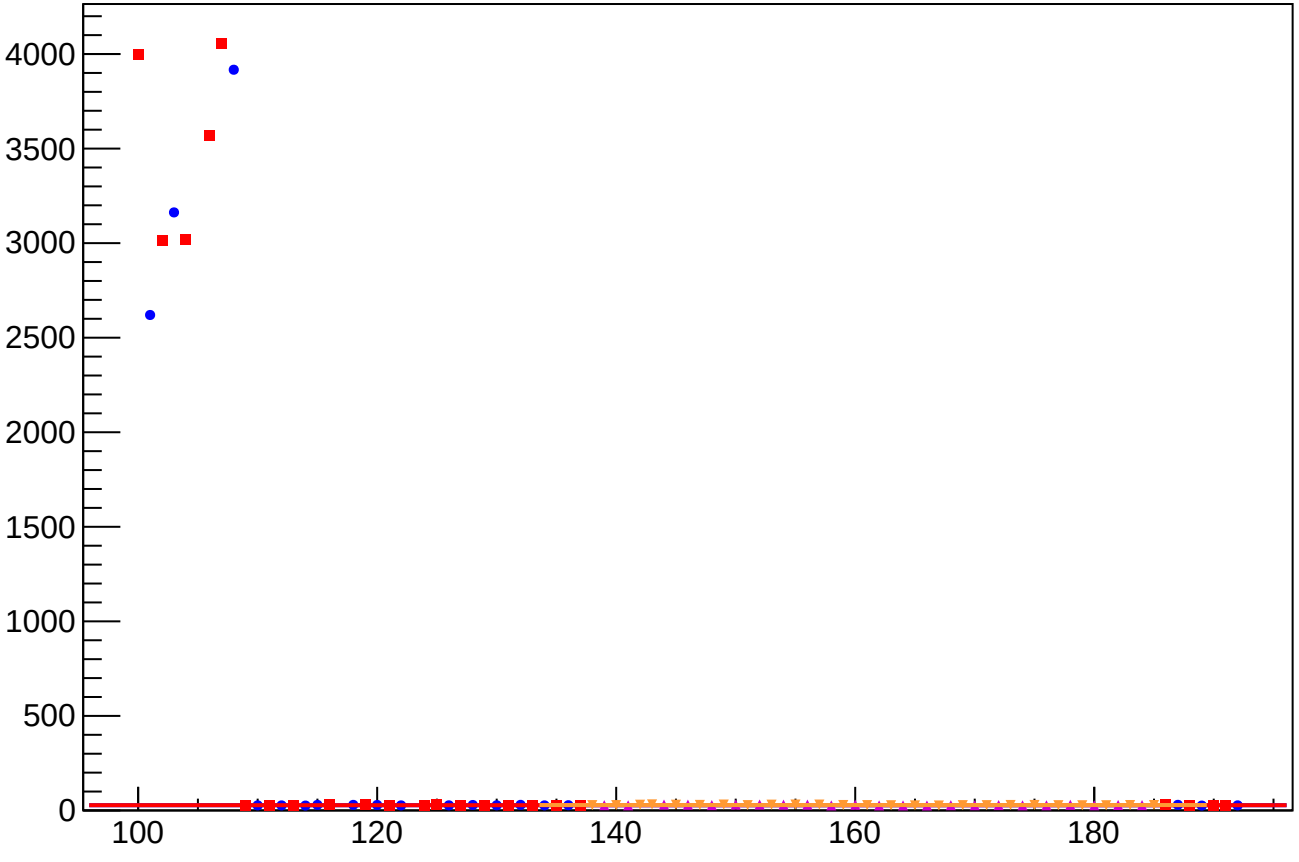
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

\+ sign -7.454+/-5.509 χ^2/NDF: 38.1/43

All: -7.458+/-3.936 χ^2/NDF: 87.5/89

\- sign -7.462+/-5.626 χ^2/NDF: 49.4/45

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.570+/-0.007 χ^2/NDF: 3274729.0/18

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

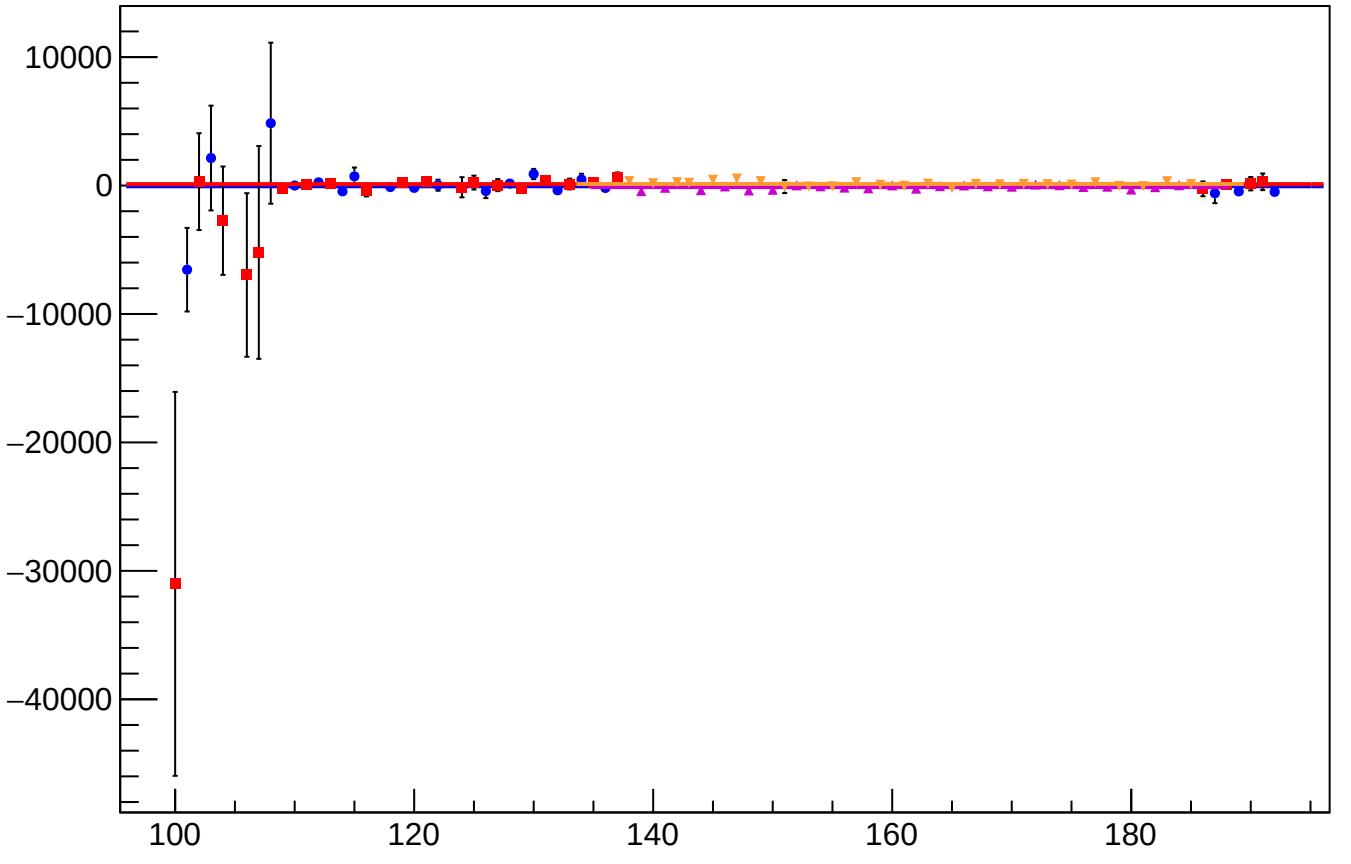
Right Out: 27.795+/-0.007 χ^2/NDF: 3574717.0/22

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.377+/-0.004 χ^2/NDF: 3391149.0/43

All: 28.411+/-0.003 χ^2/NDF: 7104984.3/89

- sign 28.446+/-0.004 χ^2/NDF: 3713680.8/45



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

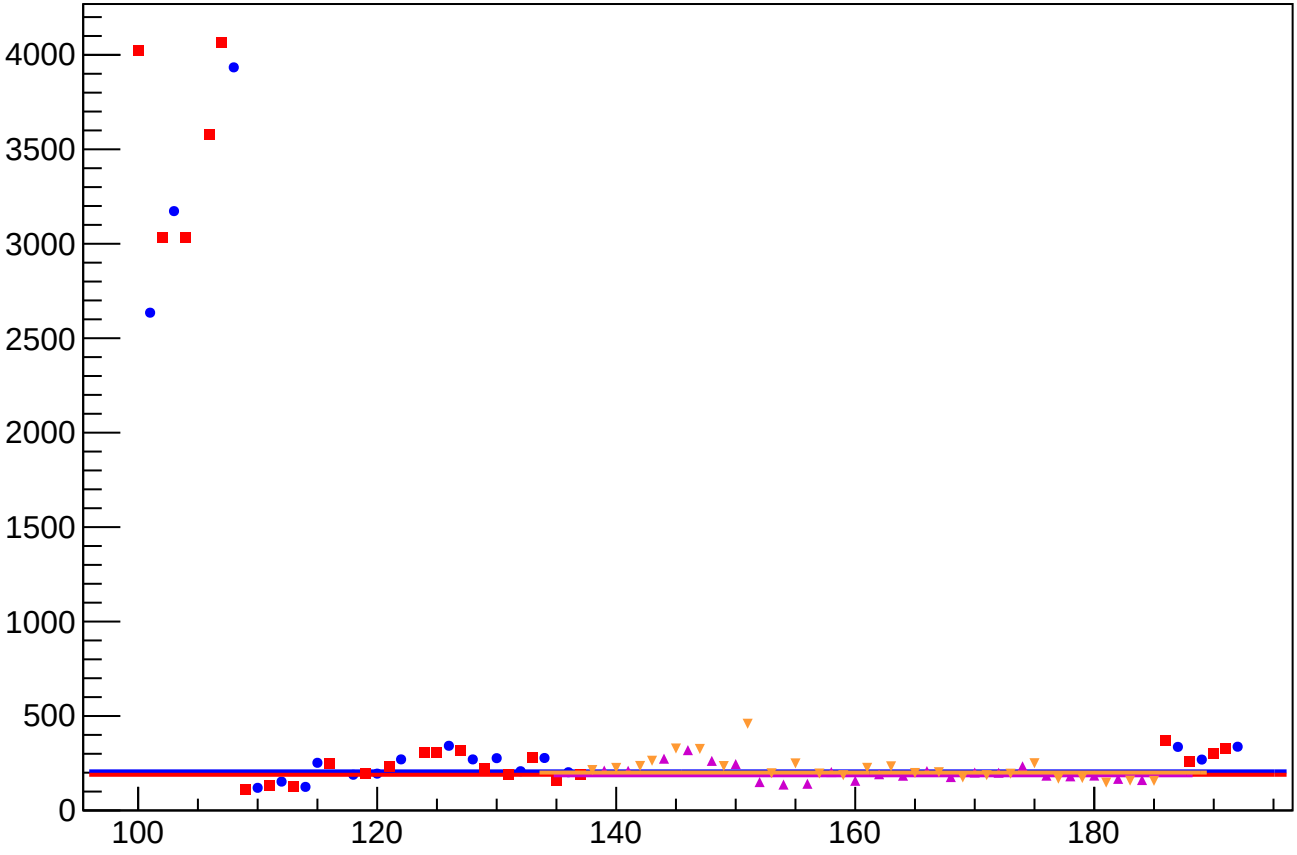
Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 76.609+/-40.786 χ^2/NDF: 37.0/43

All: 4.984+/-28.027 χ^2/NDF: 72.8/89

- sign -59.092+/-38.577 χ^2/NDF: 30.0/45

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



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

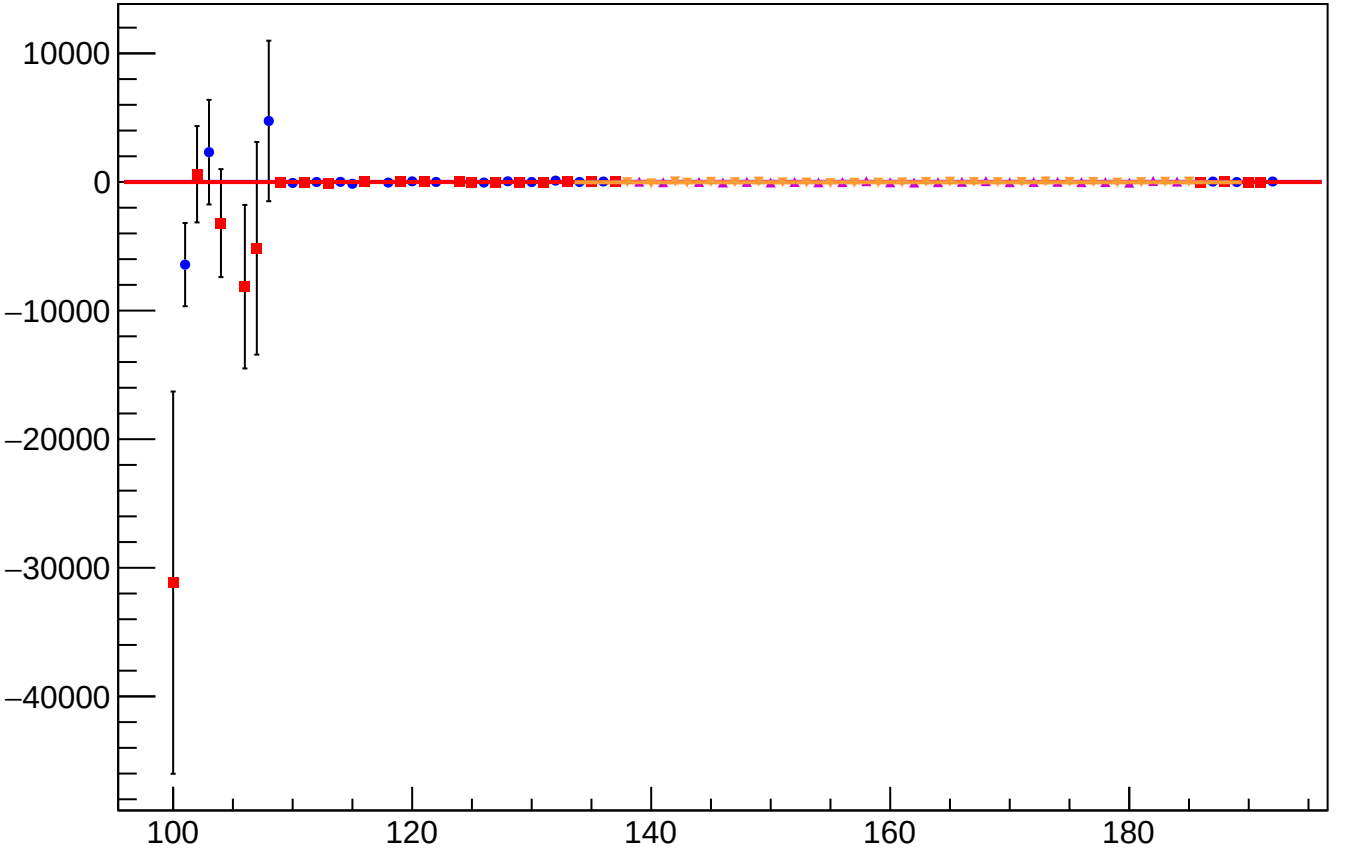
Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 202.287+/-0.029 χ^2/NDF: 6121290.5/43

All: 194.173+/-0.020 χ^2/NDF: 12520405.6/89

- sign 186.914+/-0.027 χ^2/NDF: 6249137.2/45

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



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

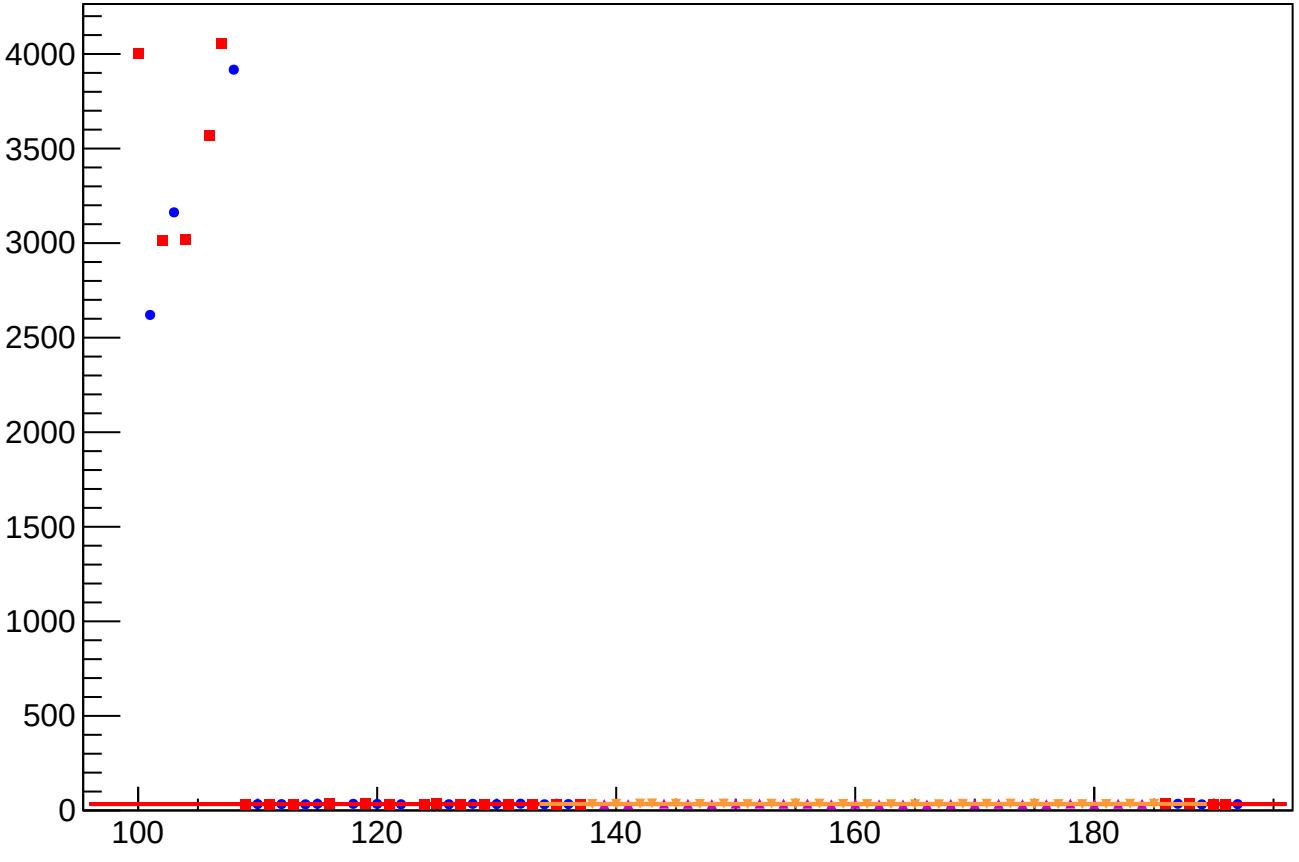
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -12.445+/-6.635 χ^2/NDF: 45.7/43

All: -5.972+/-4.742 χ^2/NDF: 93.0/89

- sign 0.788+/-6.781 χ^2/NDF: 45.3/45

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.699+/-0.009 χ^2/NDF: 3248268.8/18

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

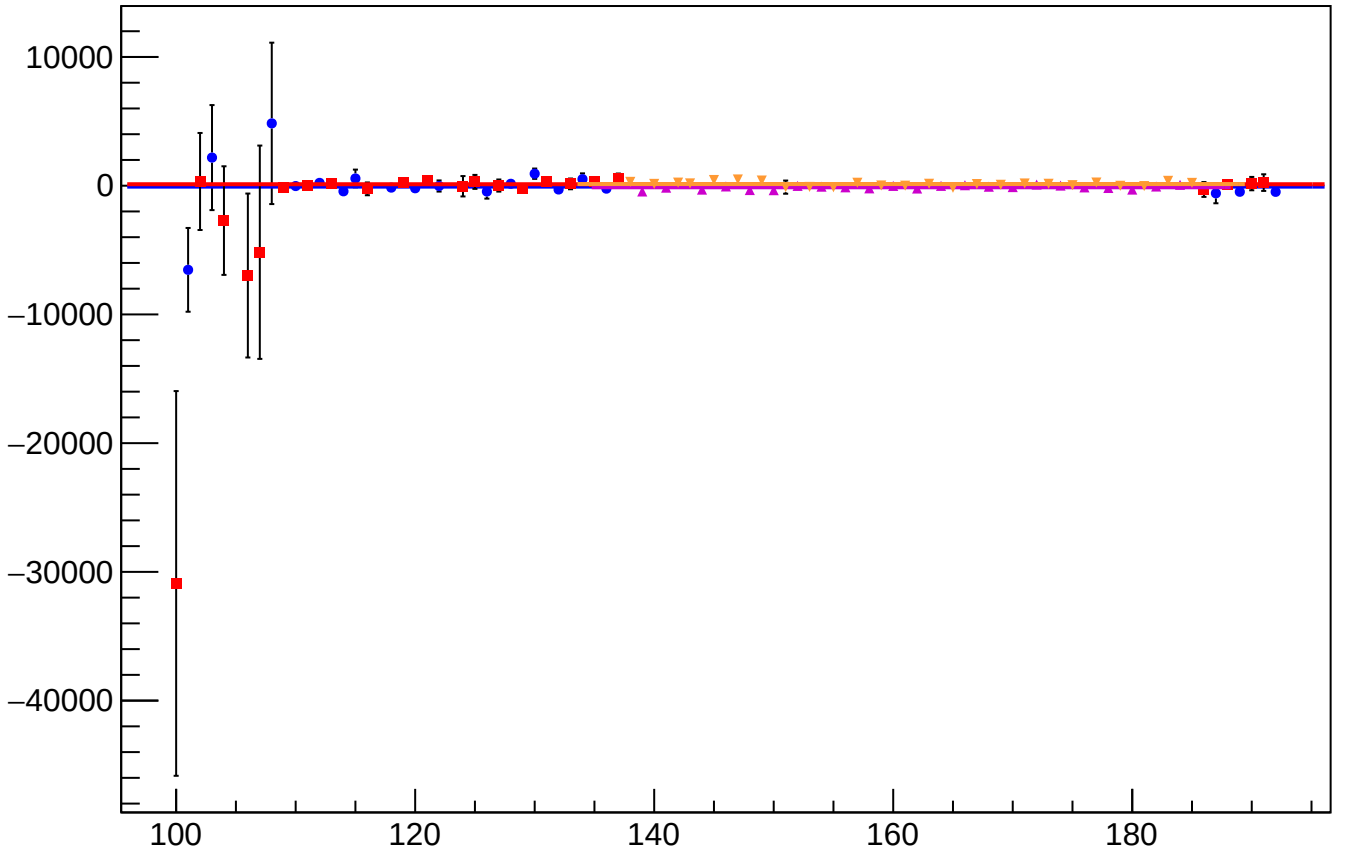
Right Out: 33.880+/-0.009 χ^2/NDF: 3535605.5/22

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.229+/-0.005 χ^2/NDF: 3298003.6/43

All: 34.290+/-0.003 χ^2/NDF: 6897326.8/89

- sign 34.353+/-0.005 χ^2/NDF: 3598983.3/45



Right In: -71.844+/-80.157 χ^2/NDF: 21.6/18

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

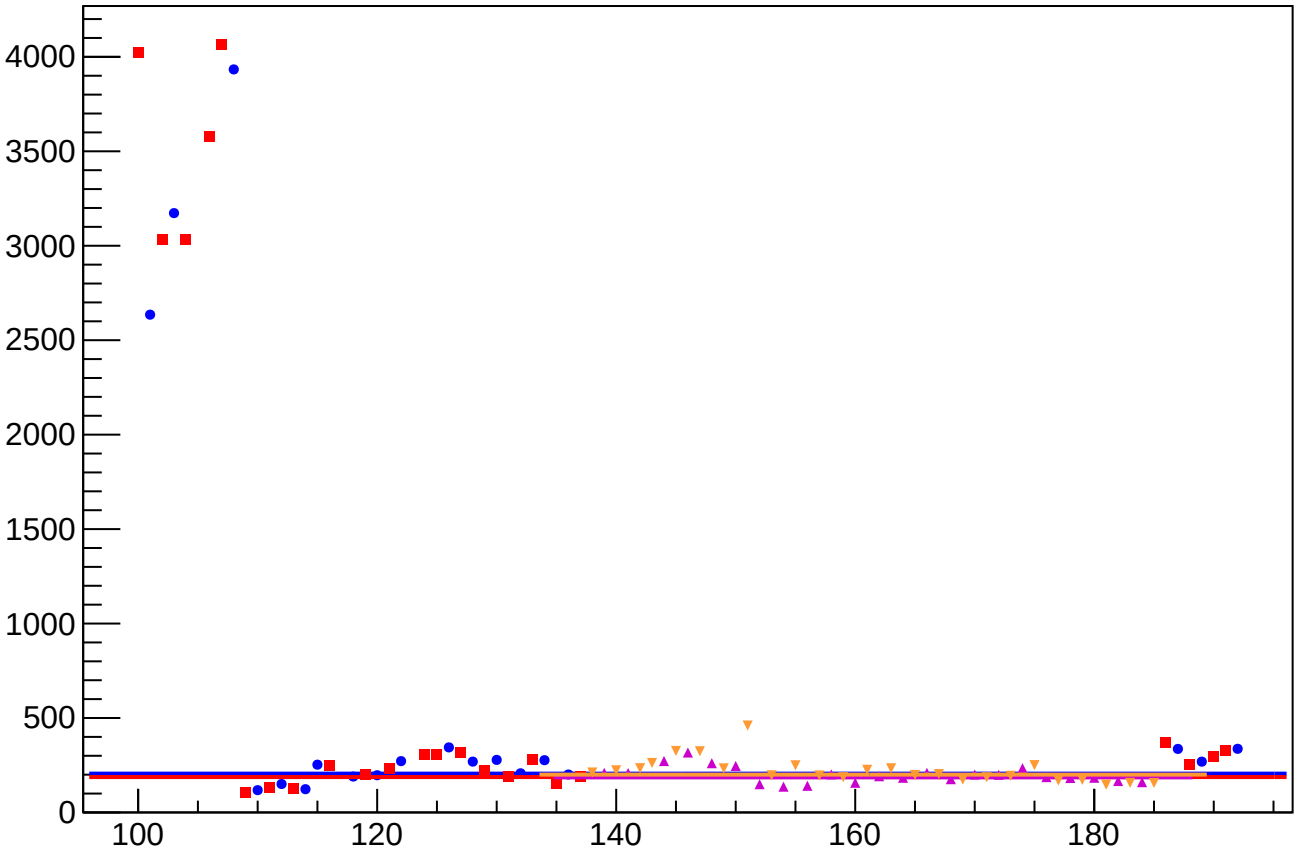
Right Out: 114.063+/-73.290 χ^2/NDF: 13.8/22

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 76.271+/-40.690 χ^2/NDF: 37.8/43

All: 5.616+/-27.955 χ^2/NDF: 72.9/89

- sign -57.542+/-38.471 χ^2/NDF: 29.4/45



Right In: 205.564+/-0.057 χ^2/NDF: 4279141.3/18

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

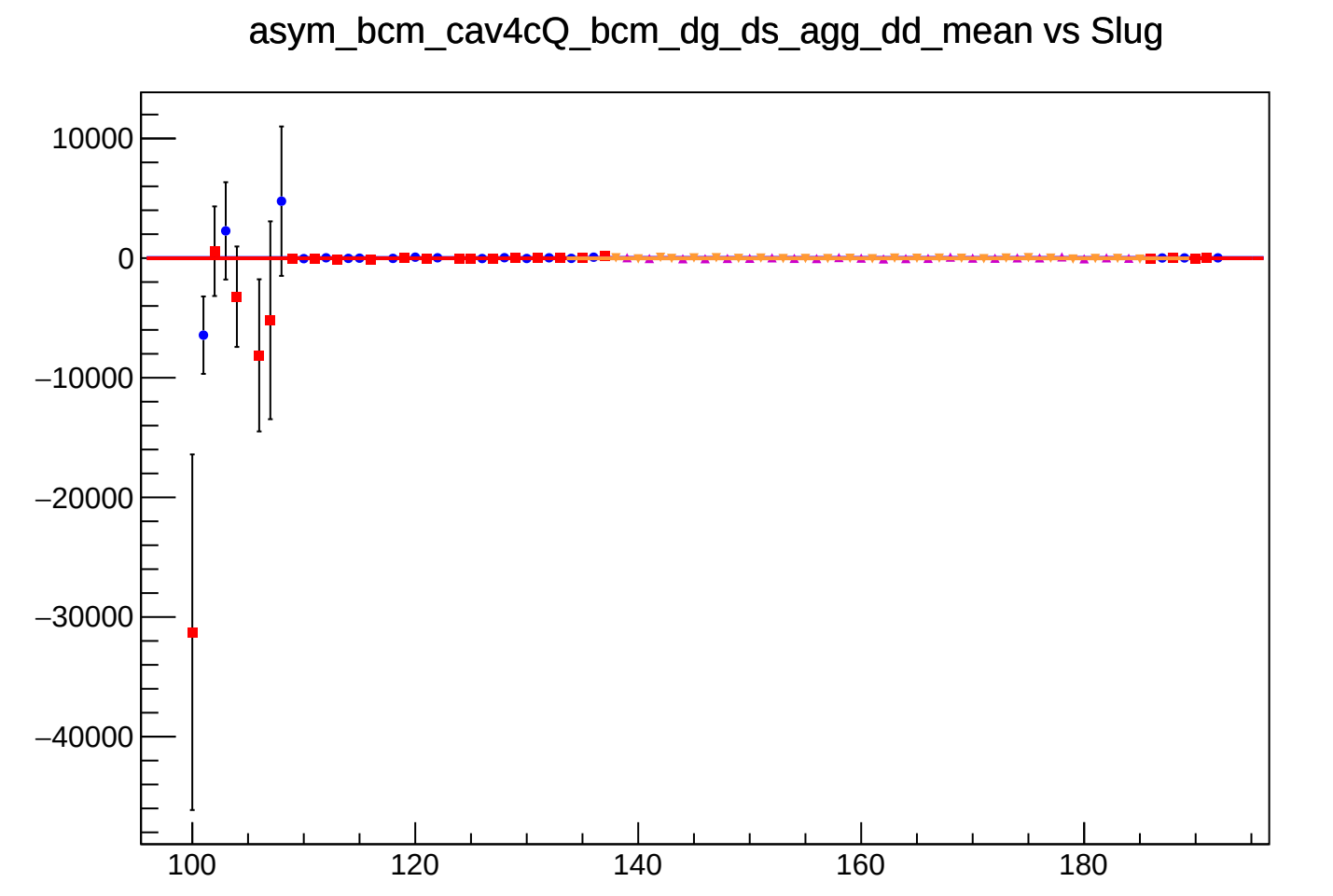
Right Out: 187.353+/-0.052 χ^2/NDF: 4892256.1/22

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 201.710+/-0.029 χ^2/NDF: 6161903.2/43

All: 193.562+/-0.020 χ^2/NDF: 12612135.2/89

- sign 186.280+/-0.027 χ^2/NDF: 6298373.3/45



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

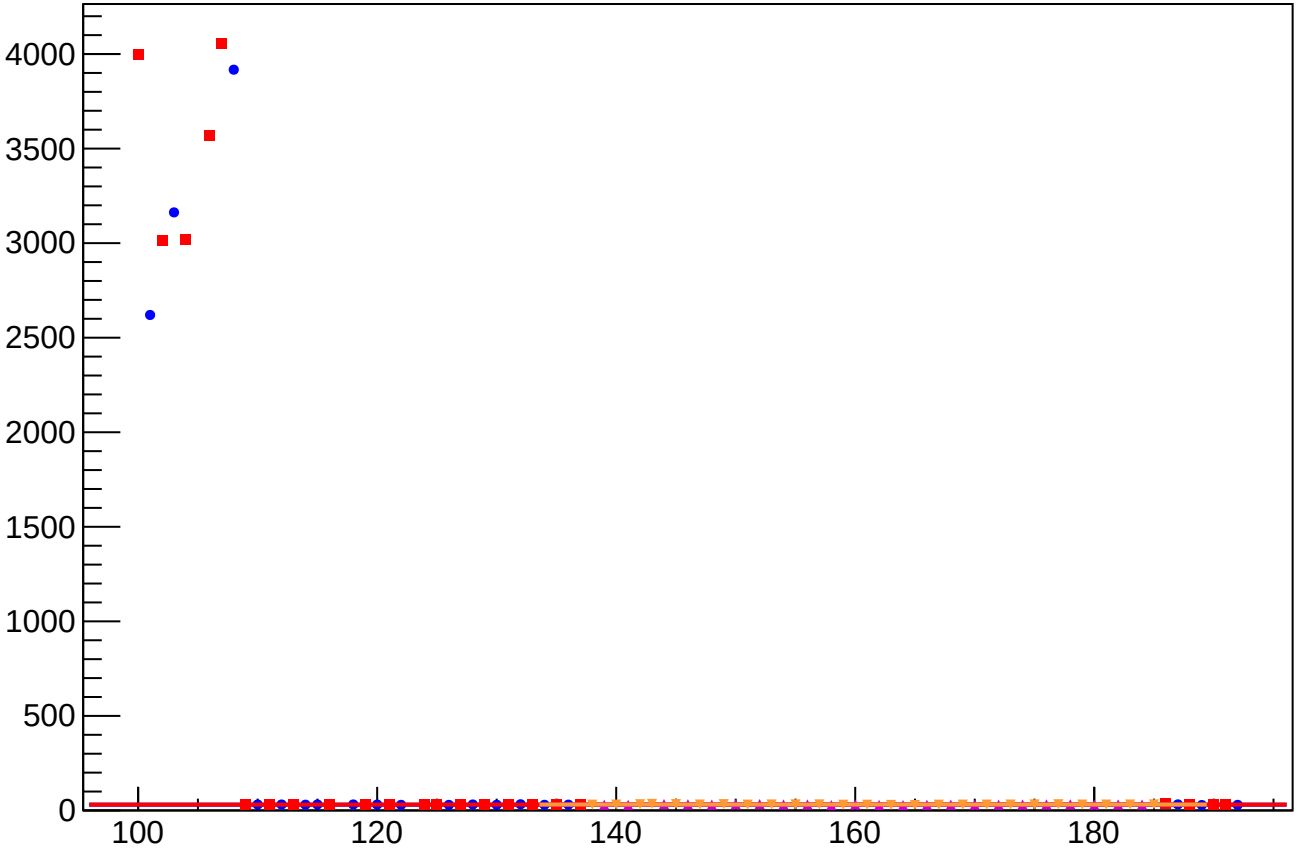
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -9.048+/-6.037 χ^2/NDF: 42.2/43

All: -5.868+/-4.313 χ^2/NDF: 112.2/89

- sign -2.552+/-6.165 χ^2/NDF: 69.5/45

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.580+/-0.008 χ^2/NDF: 3261564.6/18

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

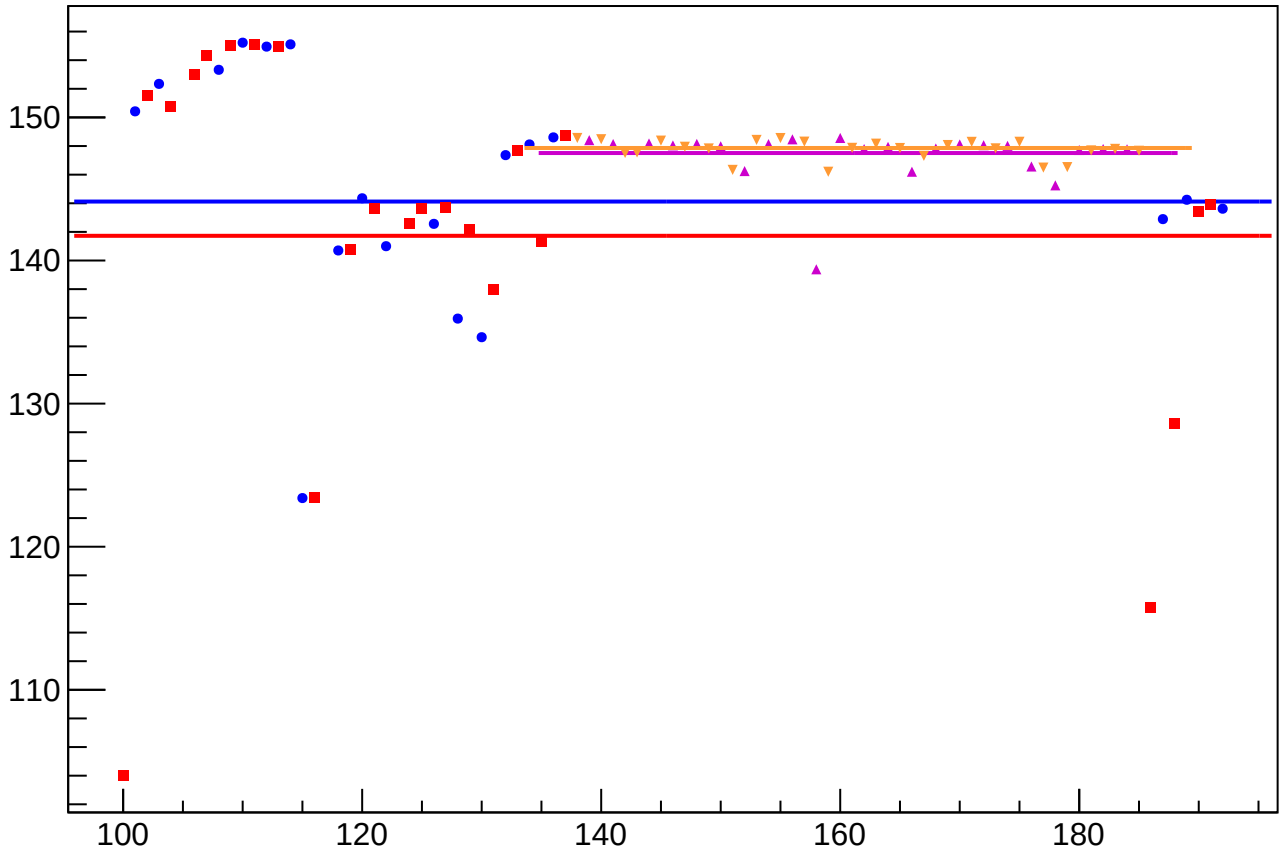
Right Out: 30.786+/-0.008 χ^2/NDF: 3549366.1/22

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 31.124+/-0.004 χ^2/NDF: 3331028.7/43

All: 31.163+/-0.003 χ^2/NDF: 6969661.3/89

- sign 31.204+/-0.004 χ^2/NDF: 3638461.9/45



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

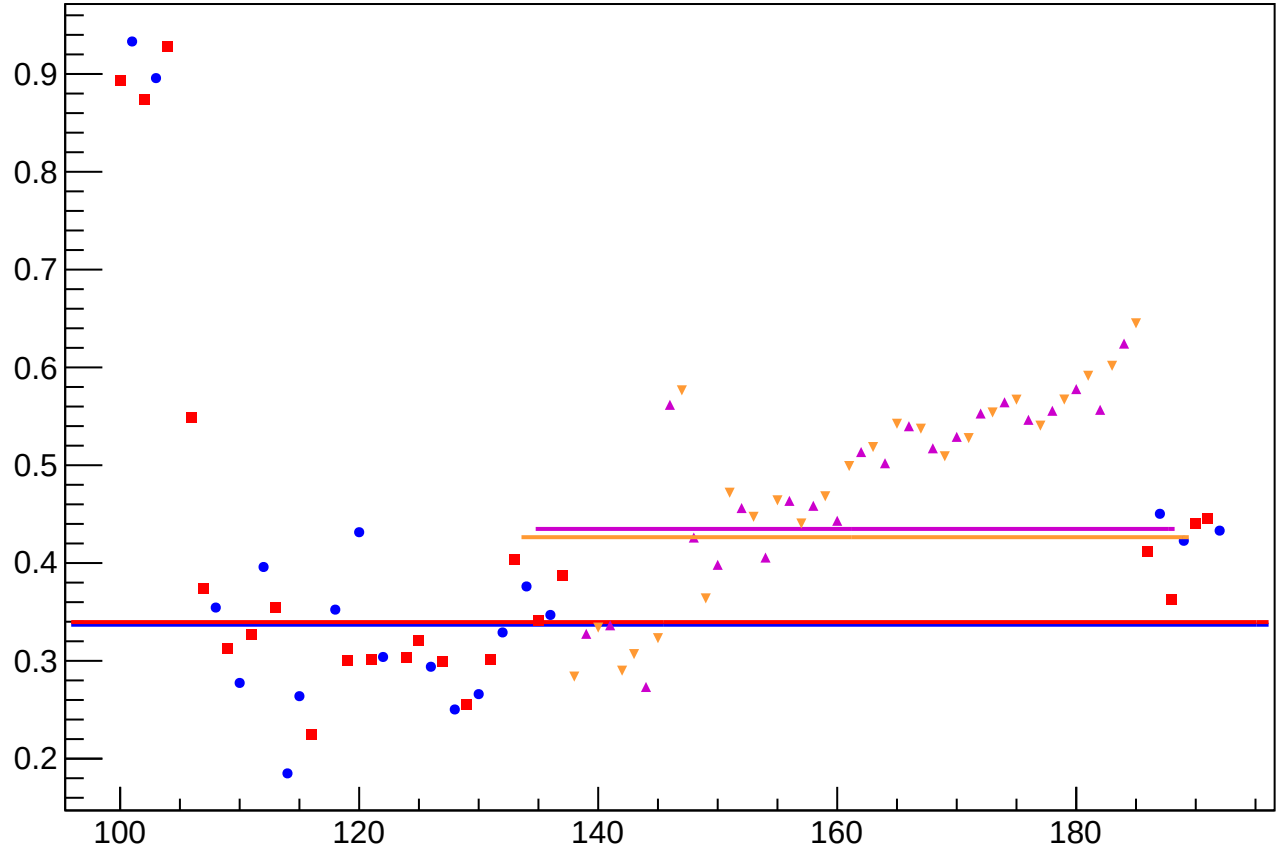
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.355+/-0.000 χ^2/NDF: 4320519008.2/43

All: 145.686+/-0.000 χ^2/NDF: 13475255025.

- sign 144.996+/-0.000 χ^2/NDF: 9006959861.4/45

yield_bcm_target_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1571231.0/18

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

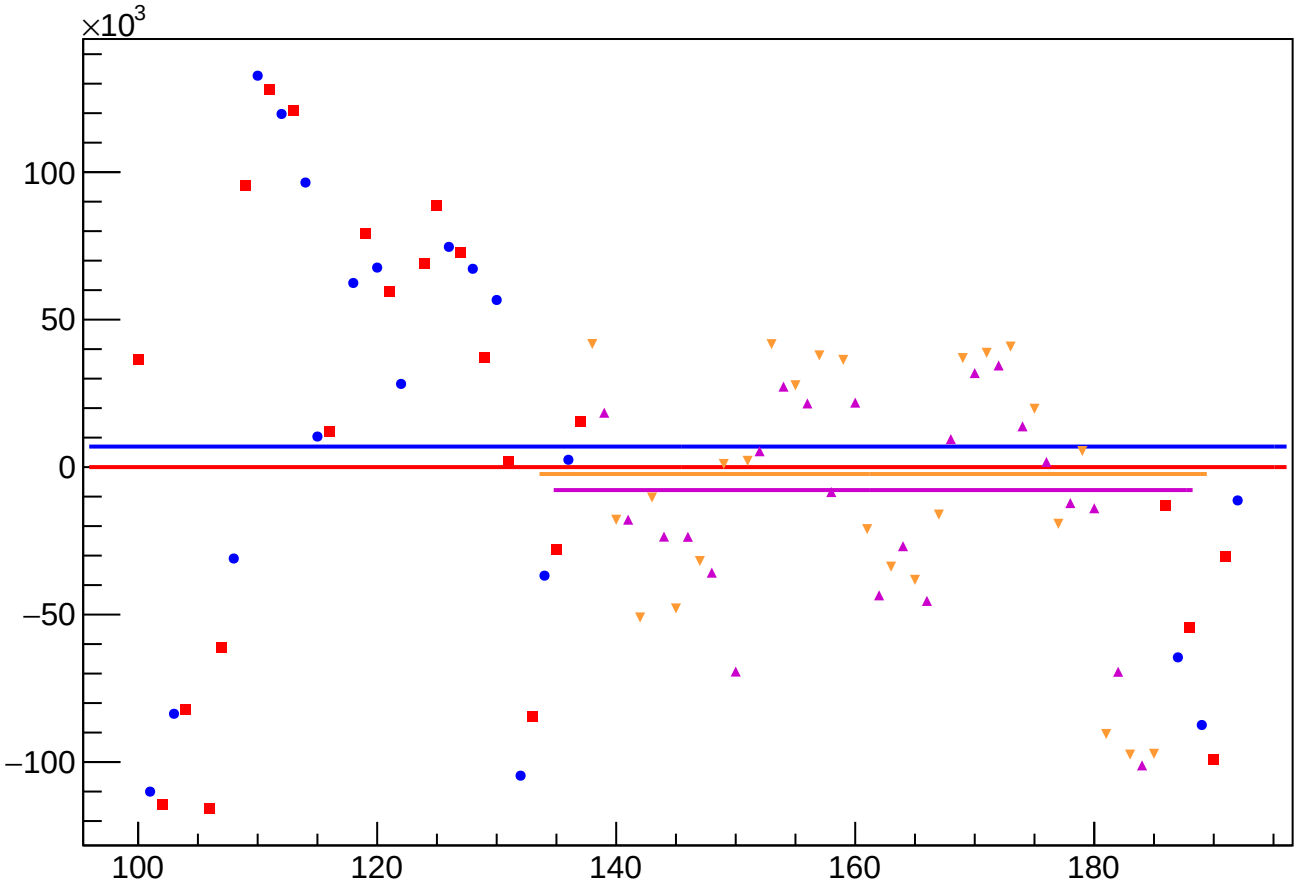
Right Out: 0.340+/-0.000 χ^2/NDF: 1410736.4/22

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.390+/-0.000 χ^2/NDF: 4456970.8/43

All: 0.392+/-0.000 χ^2/NDF: 8347779.8/89

- sign 0.393+/-0.000 χ^2/NDF: 3889245.6/45



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

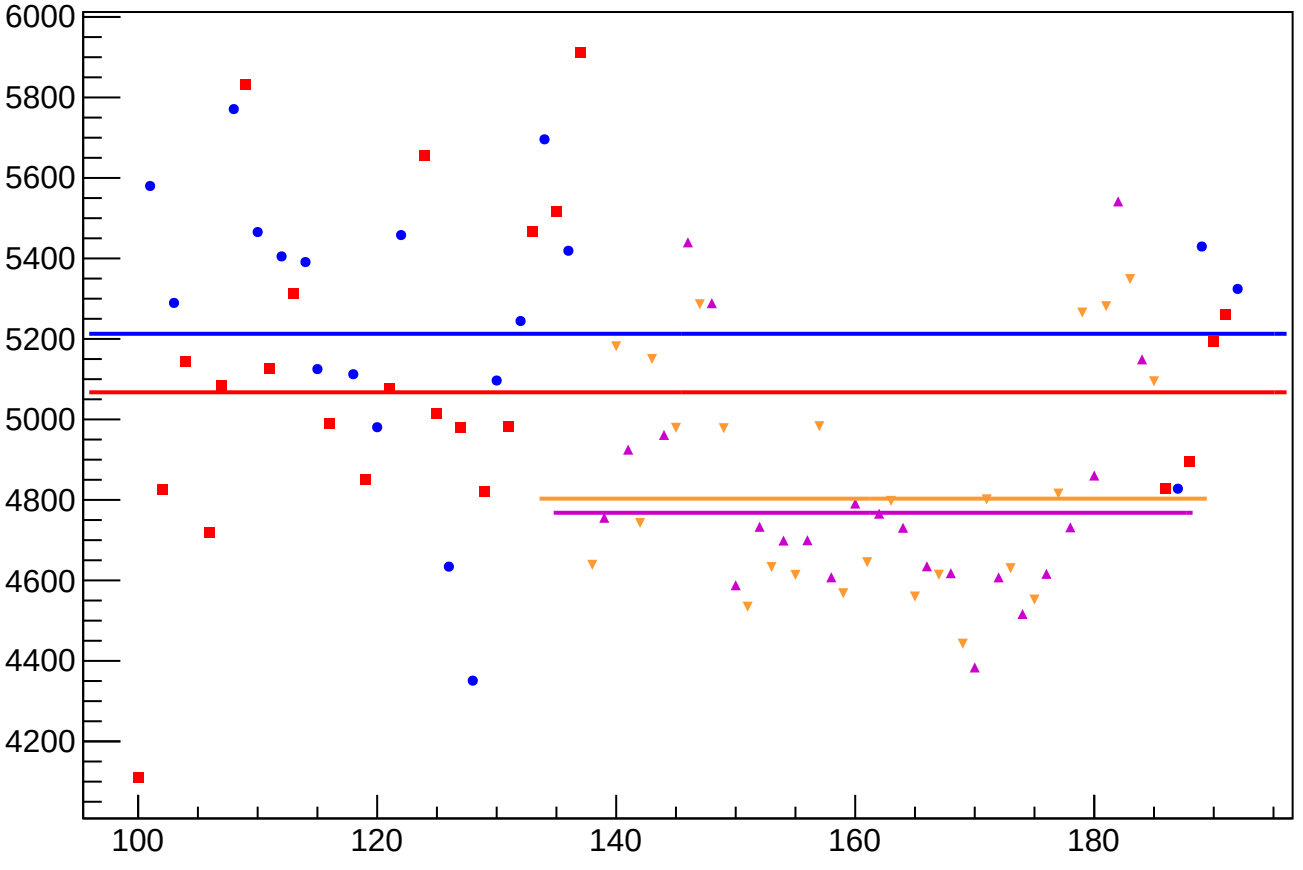
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign 236.336+/-0.955 χ^2/NDF: 2871550880.7/43

All: -2578.434+/-0.673 χ^2/NDF: 580928272

- sign -5364.044+/-0.950 χ^2/NDF: 2920443470.1/45

yield_bcm_an_diff_rms vs Slug



Right In: 5212.797+/-1.282 χ^2/NDF: 81802.7/18

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

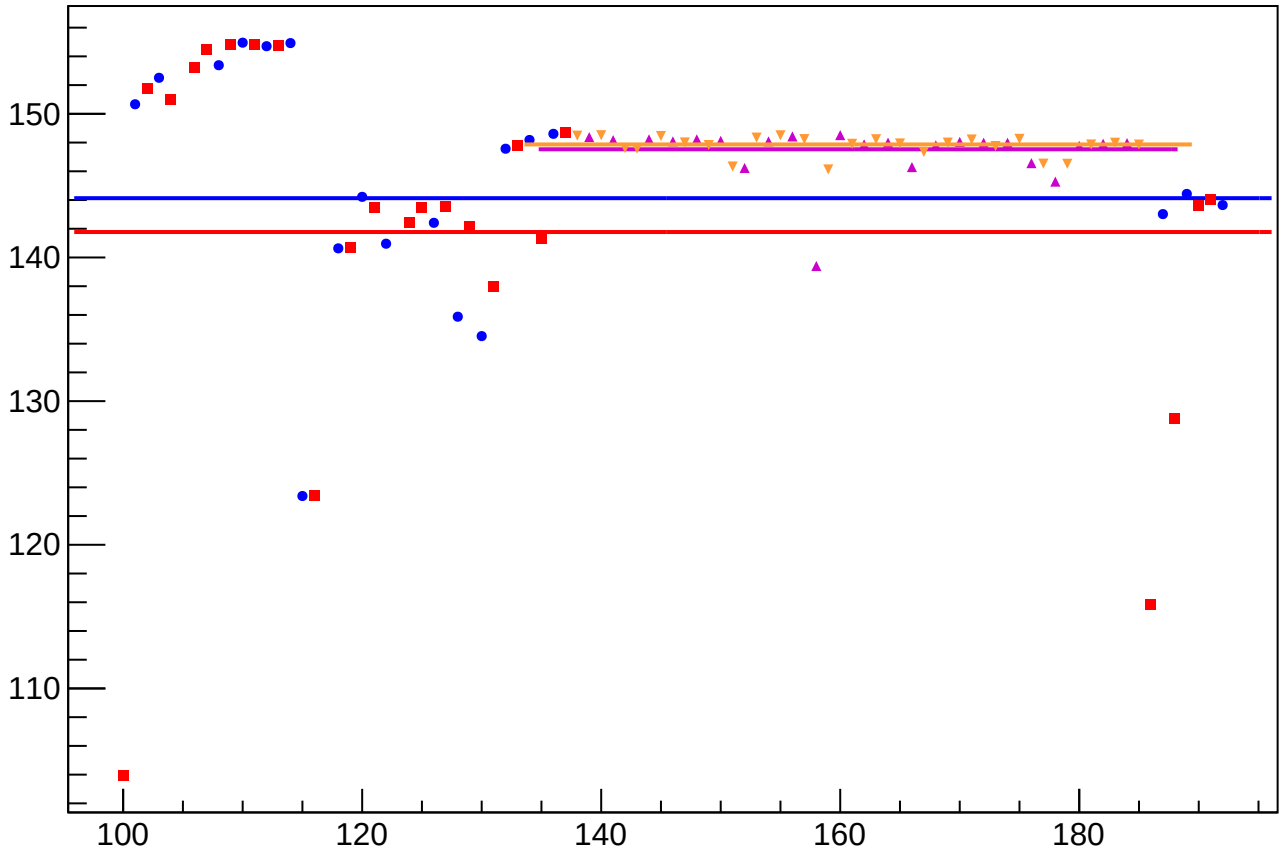
Right Out: 5067.412+/-1.204 χ^2/NDF: 64717.4/22

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 4916.736+/-0.675 χ^2/NDF: 270252.7/43

All: 4888.822+/-0.476 χ^2/NDF: 483295.5/89

- sign 4861.198+/-0.672 χ^2/NDF: 209642.5/45



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

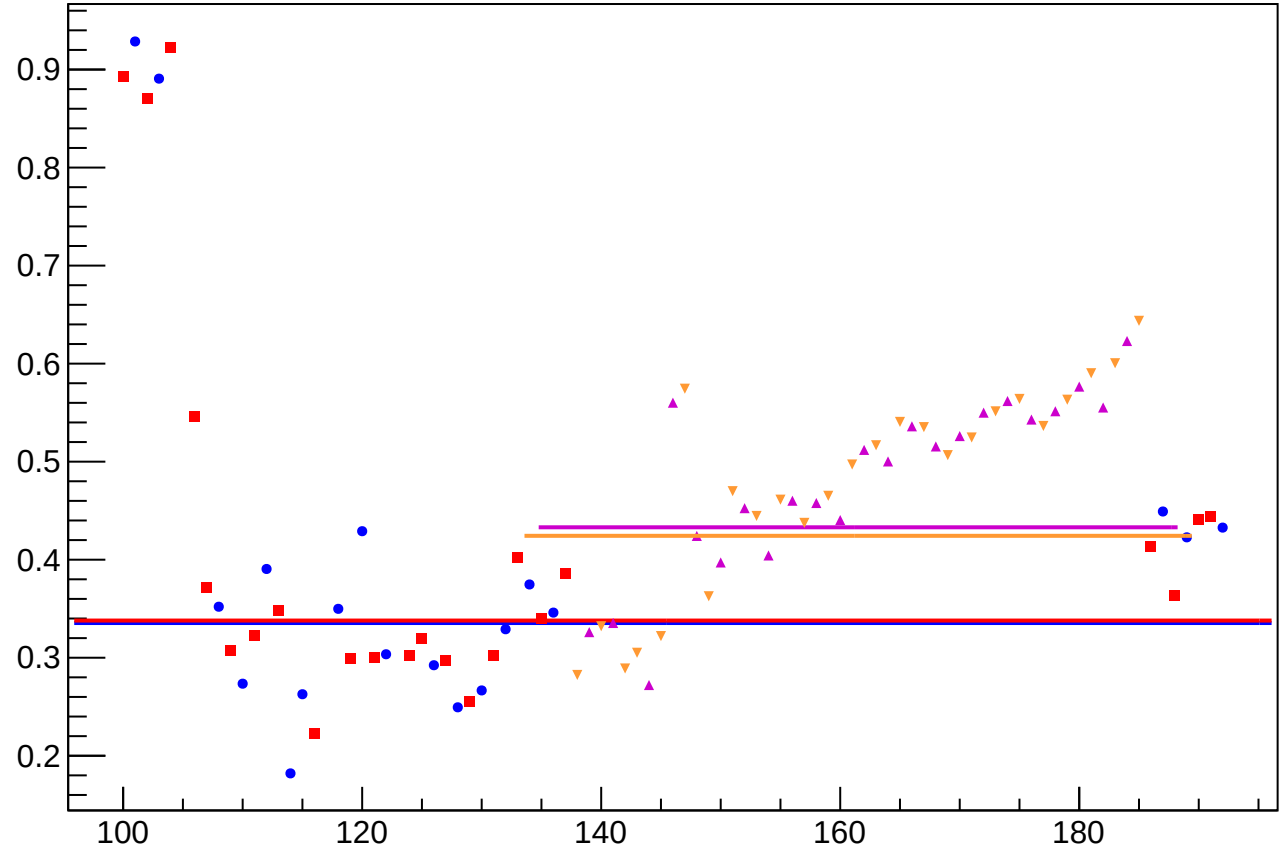
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.362+/-0.000 χ^2/NDF: 4364479089.4/43

All: 145.704+/-0.000 χ^2/NDF: 13488712136.

- sign 145.027+/-0.000 χ^2/NDF: 8980139913.8/45

yield_bcm_an_ds_rms vs Slug



Right In: 0.335+/-0.000 χ^2/NDF: 1575897.4/18

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

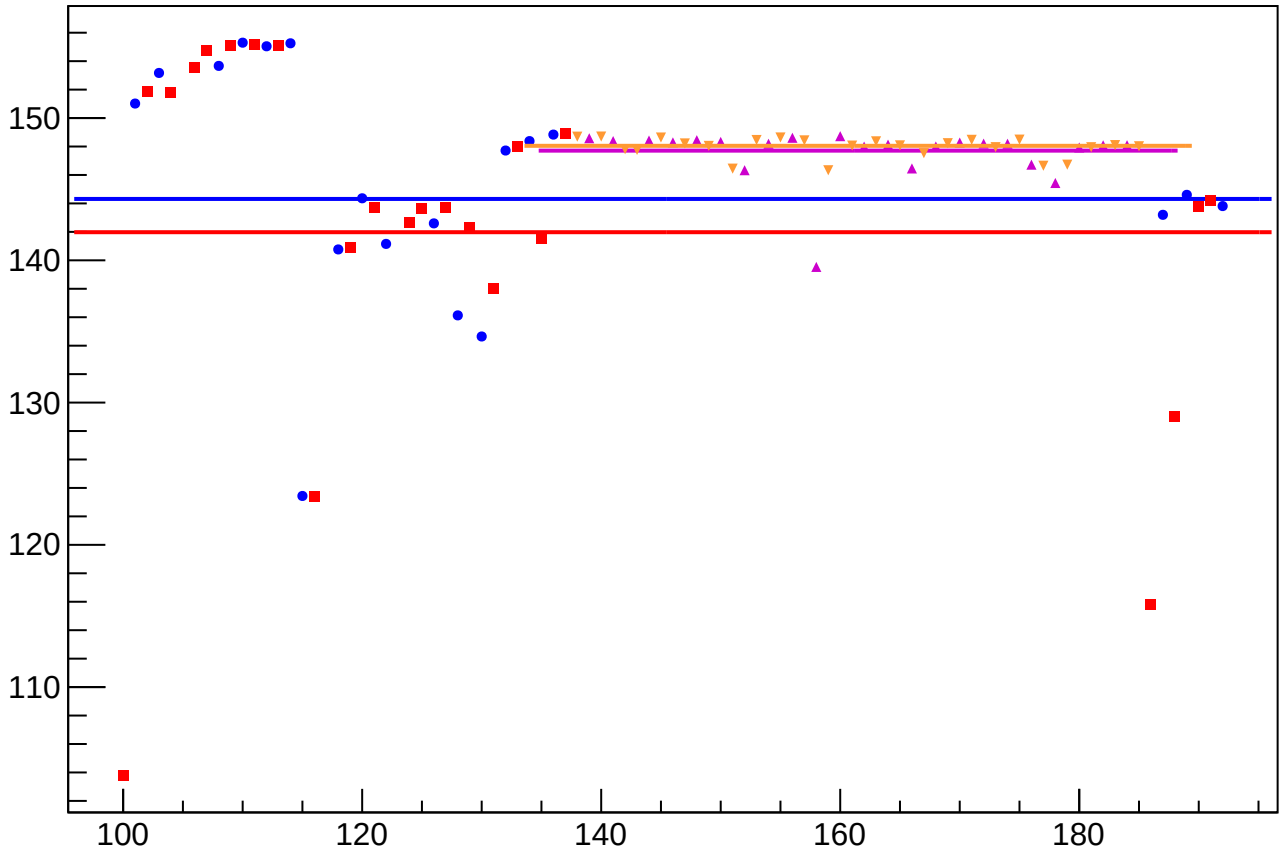
Right Out: 0.338+/-0.000 χ^2/NDF: 1415552.2/22

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.389+/-0.000 χ^2/NDF: 4461534.8/43

All: 0.390+/-0.000 χ^2/NDF: 8357852.3/89

- sign 0.392+/-0.000 χ^2/NDF: 3894697.3/45



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

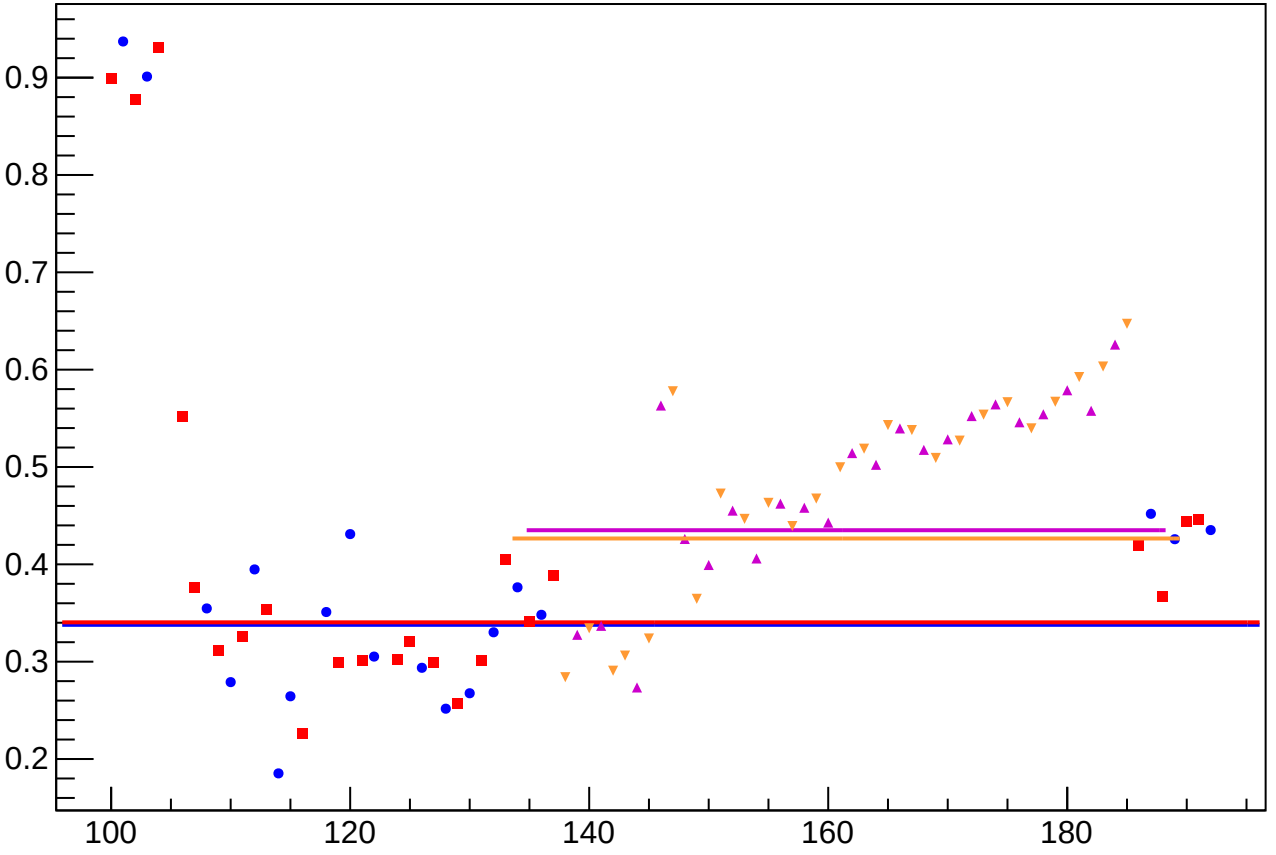
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.548+/-0.000 χ^2/NDF: 4349859105.3/43

All: 145.896+/-0.000 χ^2/NDF: 13385750708.

- sign 145.224+/-0.000 χ^2/NDF: 8895938550.6/45

yield_bcm_an_ds3_rms vs Slug



Right In: 0.338+/-0.000 χ^2/NDF: 1570499.7/18

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

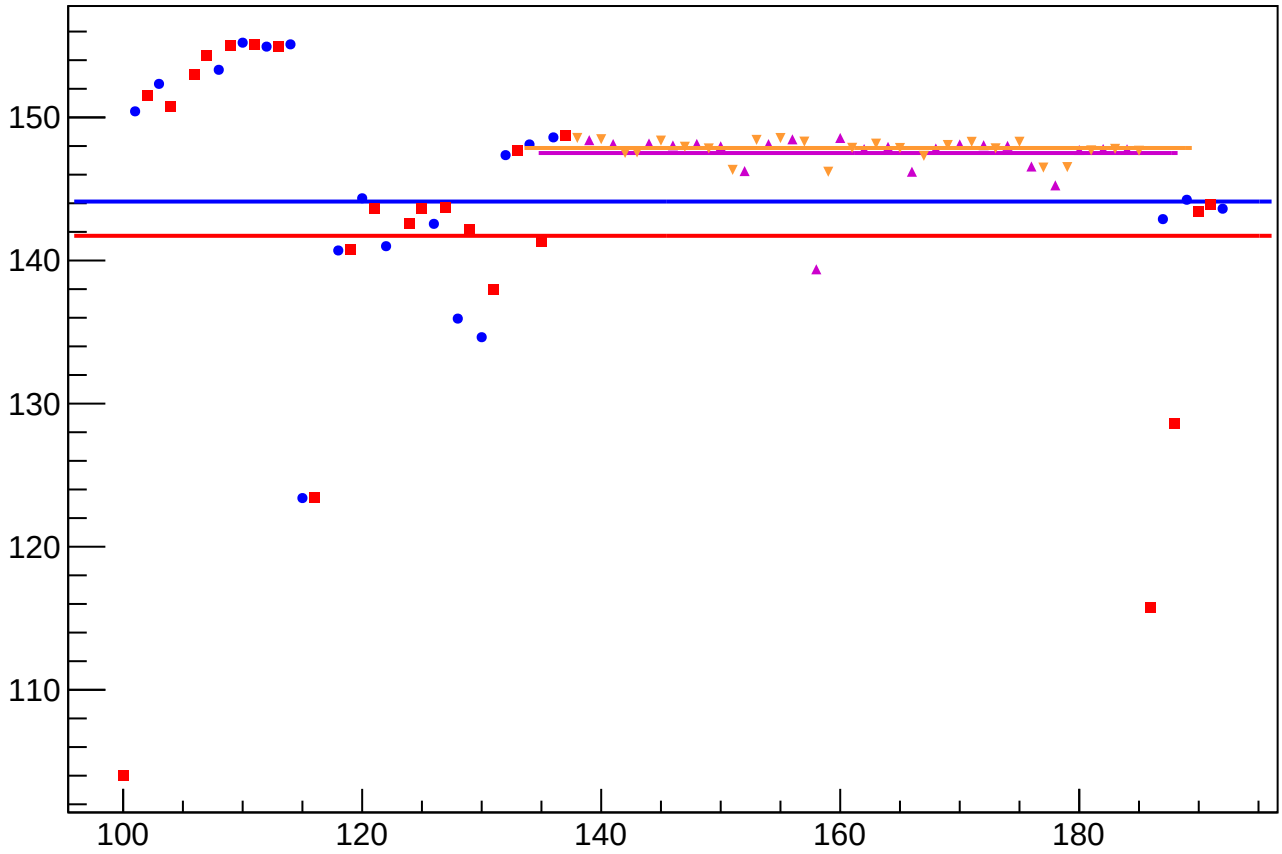
Right Out: 0.340+/-0.000 χ^2/NDF: 1417965.6/22

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.391+/-0.000 χ^2/NDF: 4441116.1/43

All: 0.392+/-0.000 χ^2/NDF: 8322646.2/89

- sign 0.394+/-0.000 χ^2/NDF: 3879984.5/45



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

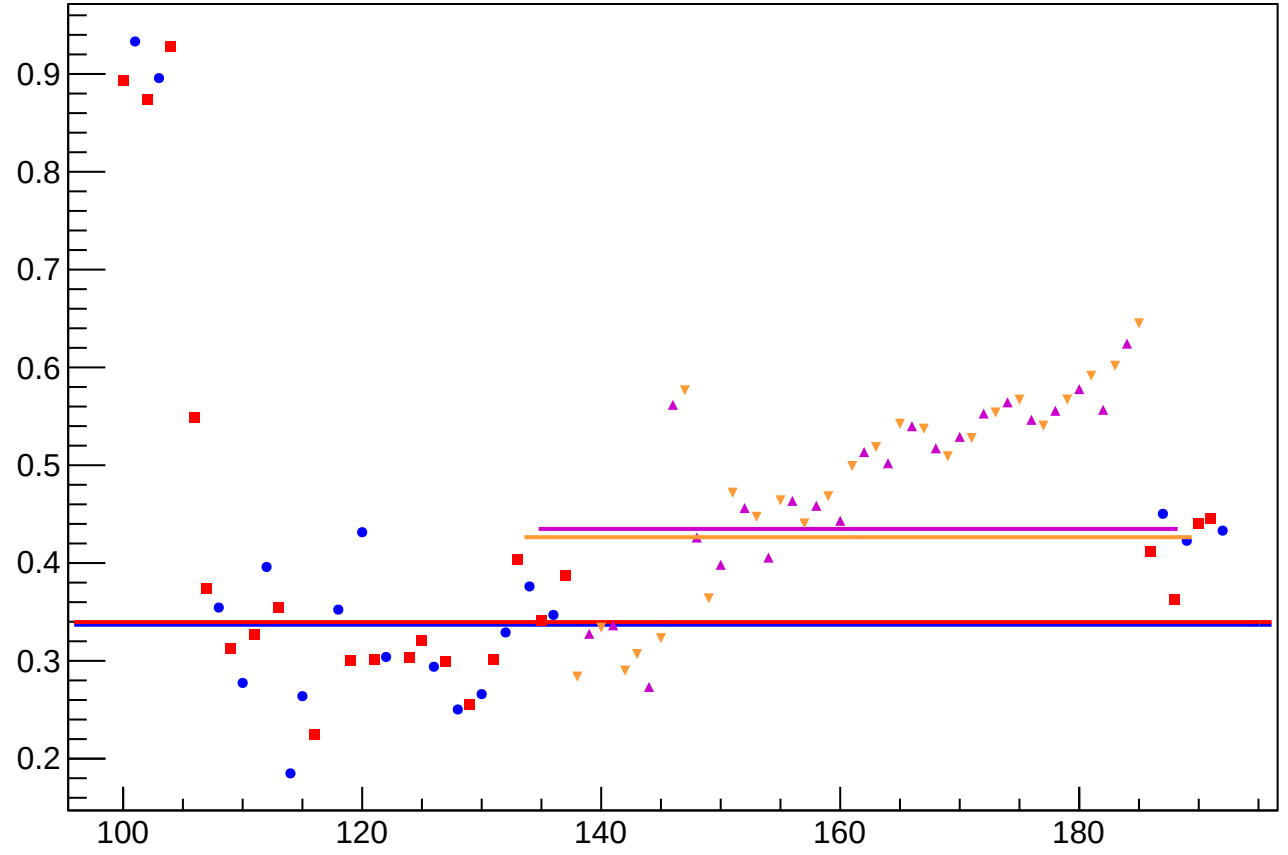
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.355+/-0.000 χ^2/NDF: 4320519008.2/43

All: 145.686+/-0.000 χ^2/NDF: 13475255025.

- sign 144.996+/-0.000 χ^2/NDF: 9006959861.4/45

yield_bcm_an_us_rms vs Slug



Right In: 0.337+/-0.000 χ^2/NDF: 1571231.0/18

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

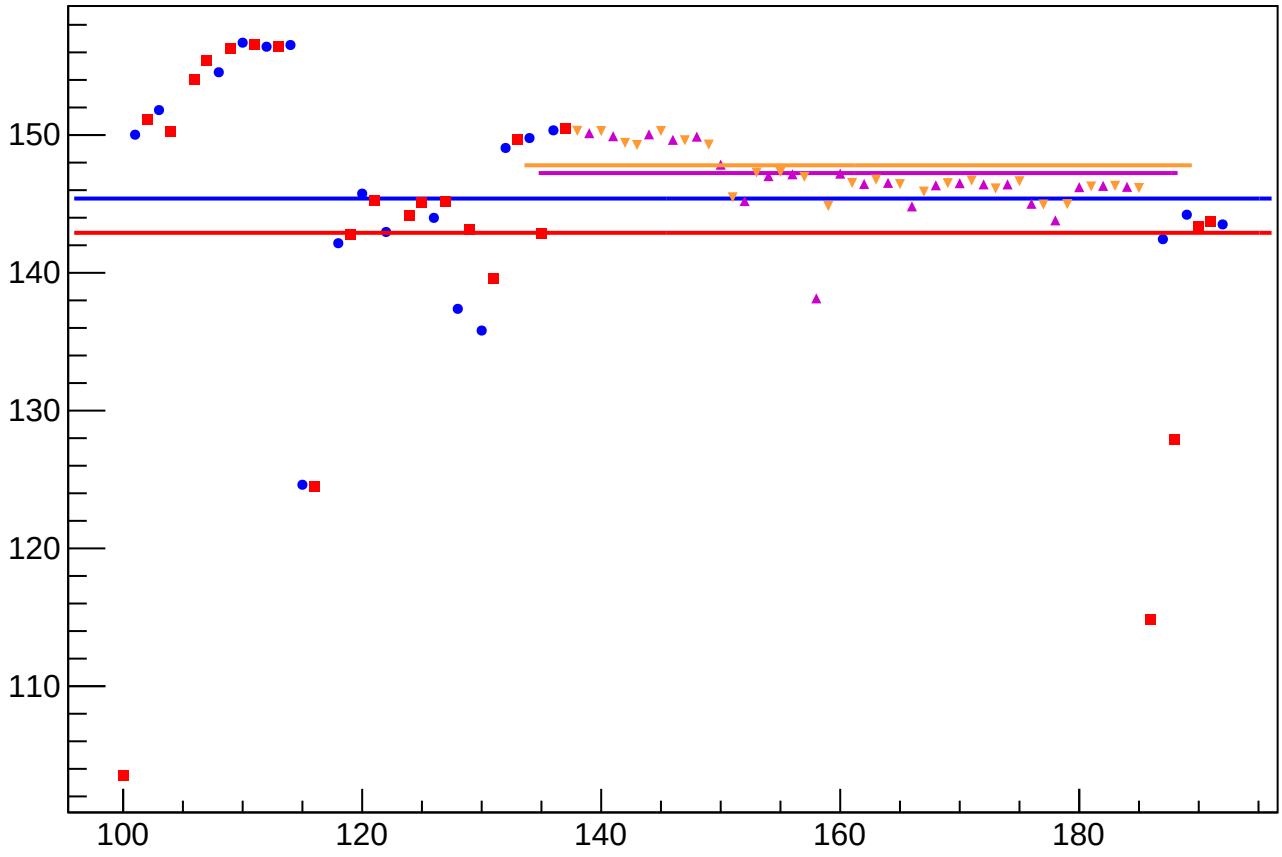
Right Out: 0.340+/-0.000 χ^2/NDF: 1410736.4/22

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.390+/-0.000 χ^2/NDF: 4456970.8/43

All: 0.392+/-0.000 χ^2/NDF: 8347779.8/89

- sign 0.393+/-0.000 χ^2/NDF: 3889245.6/45



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

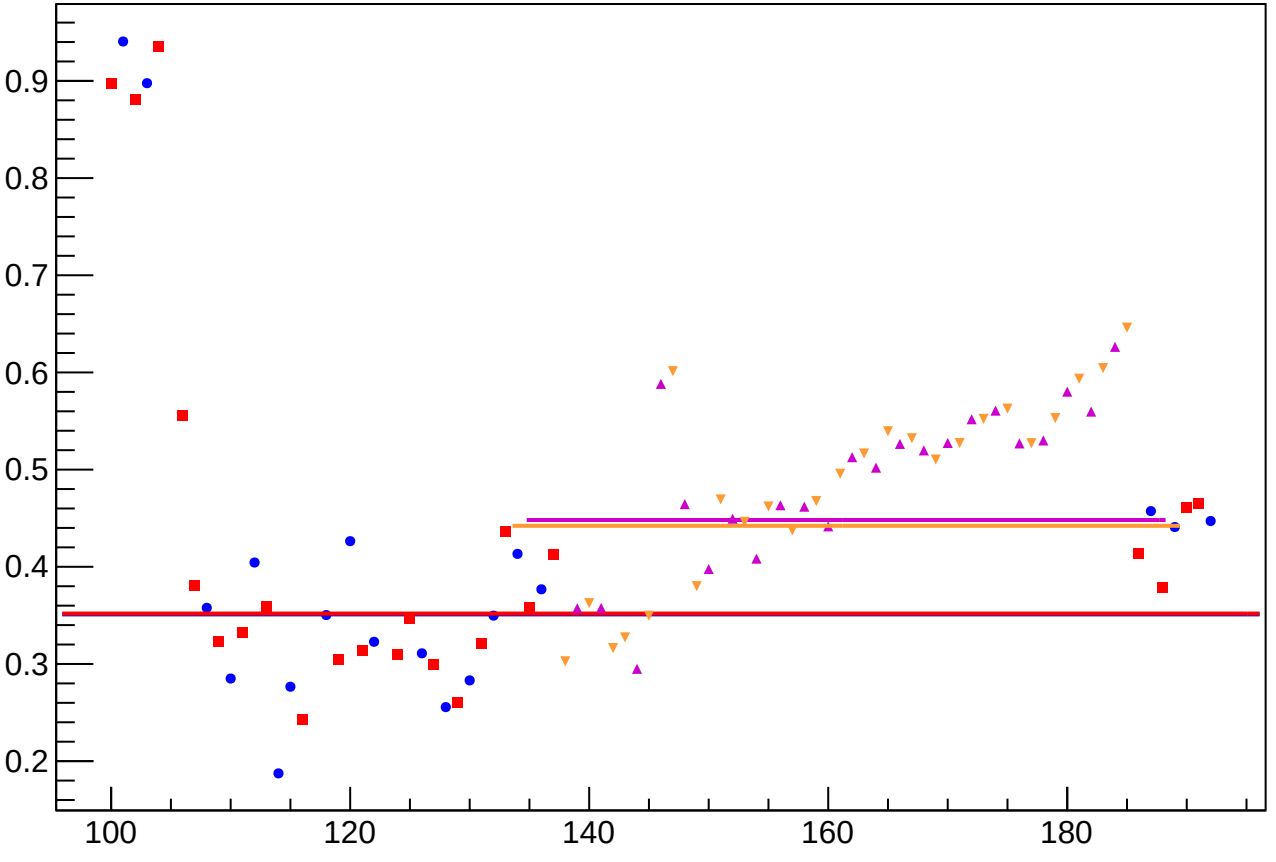
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.845+/-0.000 χ^2/NDF: 4050473113.2/43

All: 146.121+/-0.000 χ^2/NDF: 13081652631.

- sign 145.382+/-0.000 χ^2/NDF: 8870186024.2/45

yield_bcm_dg_us_rms vs Slug



Right In: 0.351+/-0.000 χ^2/NDF: 1534830.1/18

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

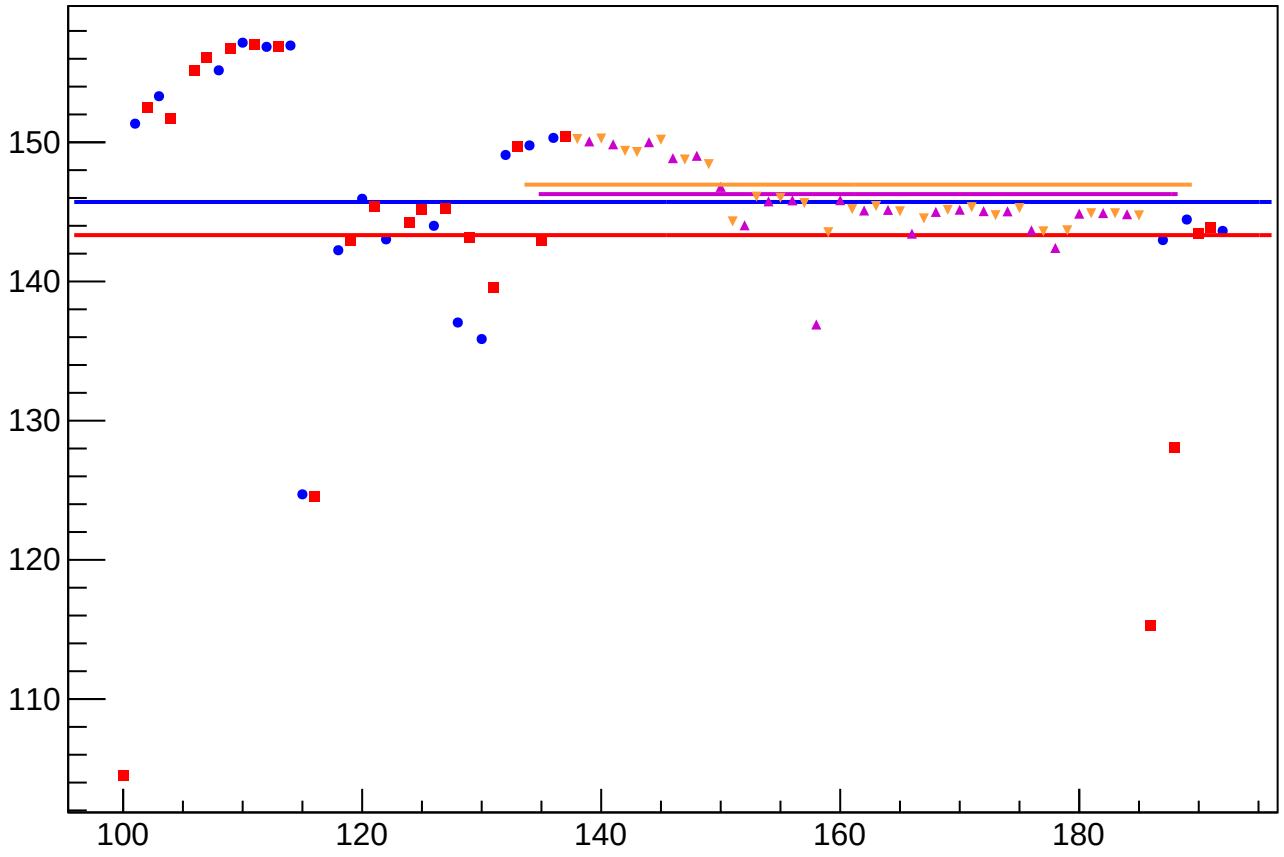
Right Out: 0.352+/-0.000 χ^2/NDF: 1379787.4/22

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.406+/-0.000 χ^2/NDF: 3842871.3/43

All: 0.406+/-0.000 χ^2/NDF: 7246372.7/89

- sign 0.407+/-0.000 χ^2/NDF: 3403375.9/45



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

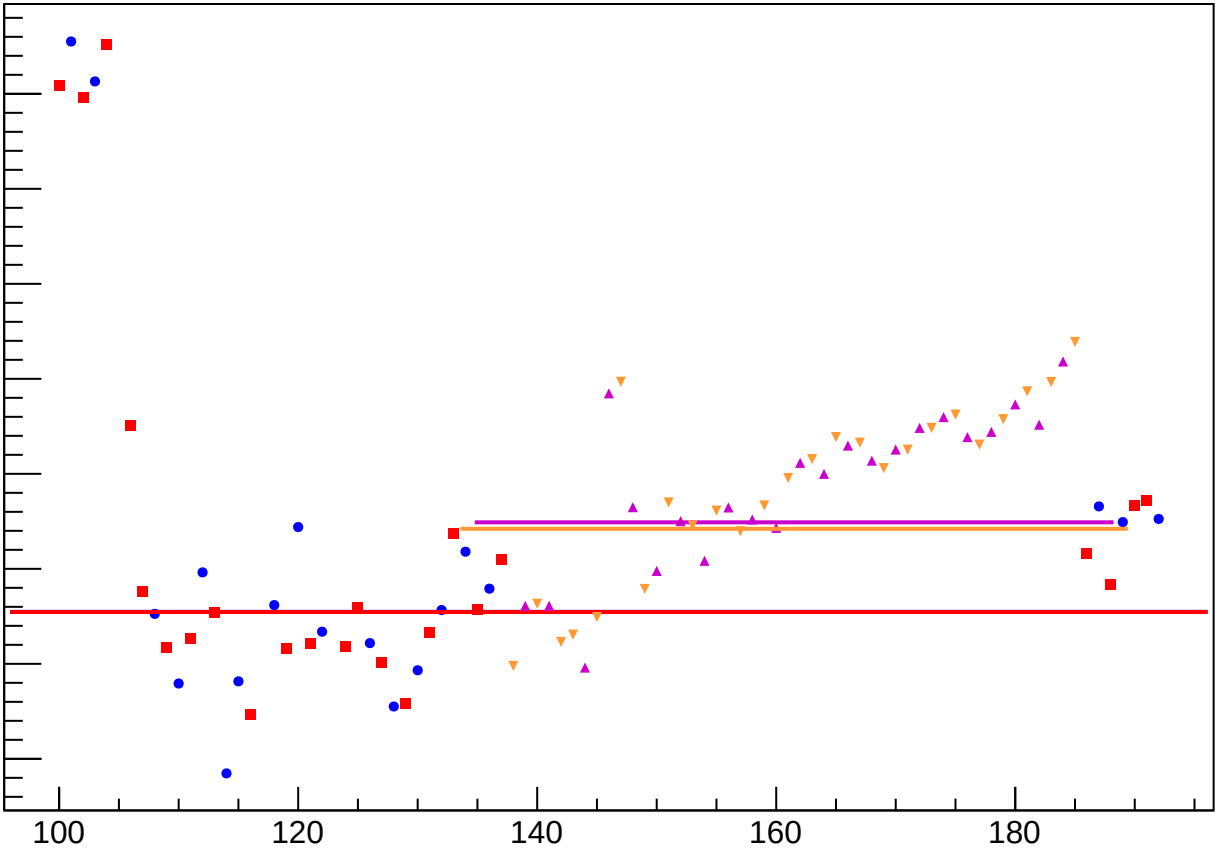
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.469+/-0.000 χ^2/NDF: 4252793687.7/43

All: 145.753+/-0.000 χ^2/NDF: 13196104742.

- sign 145.024+/-0.000 χ^2/NDF: 8788035394.9/45

yield_bcm_dg_ds_rms vs Slug



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

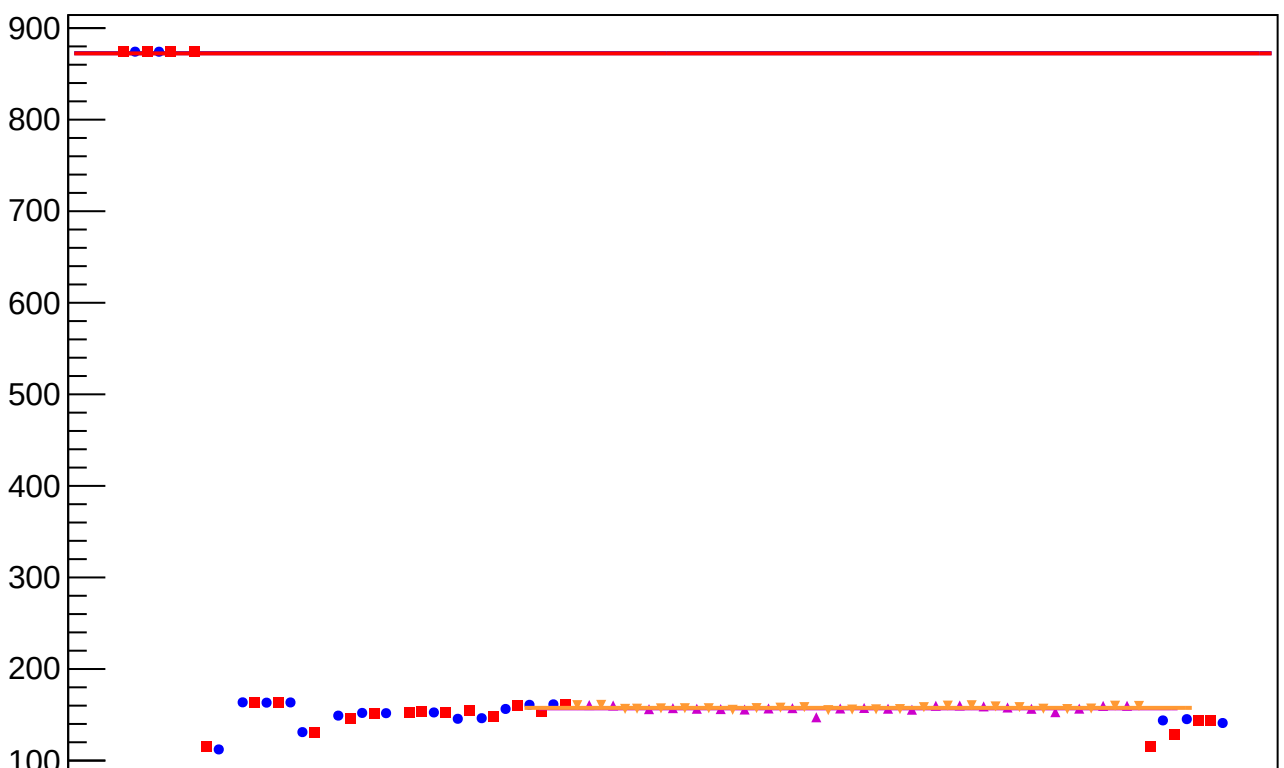
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.408+/-0.000 χ^2/NDF: 3785419.9/43

All: 0.408+/-0.000 χ^2/NDF: 7108711.1/89

- sign 0.409+/-0.000 χ^2/NDF: 3323170.2/45

yield_cav4bQ_mean vs Slug



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

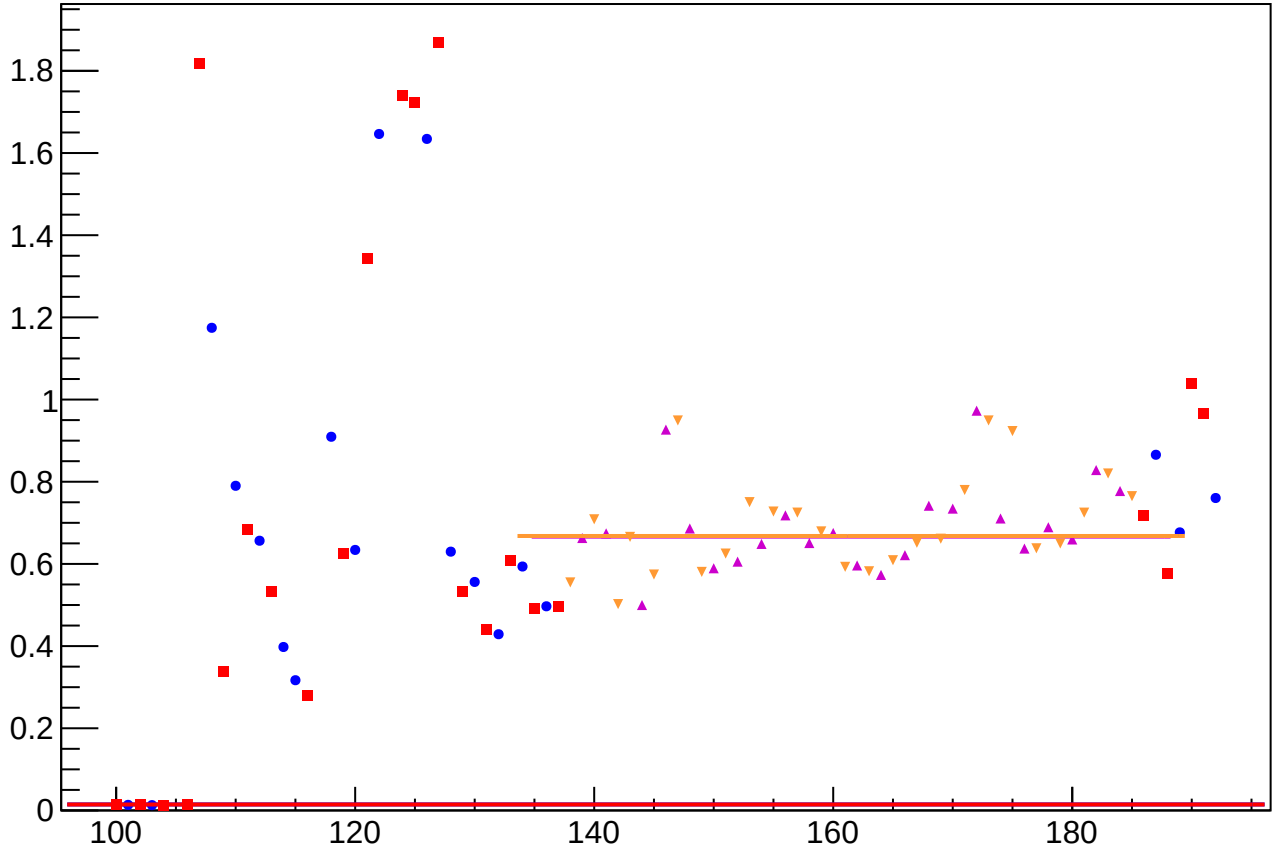
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 869.201+/-0.000 χ^2/NDF: 25669290369194.

All: 869.389+/-0.000 χ^2/NDF: 532551479356

- sign 869.553+/-0.000 χ^2/NDF: 27585381663735.6

yield_cav4bQ_rms vs Slug



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

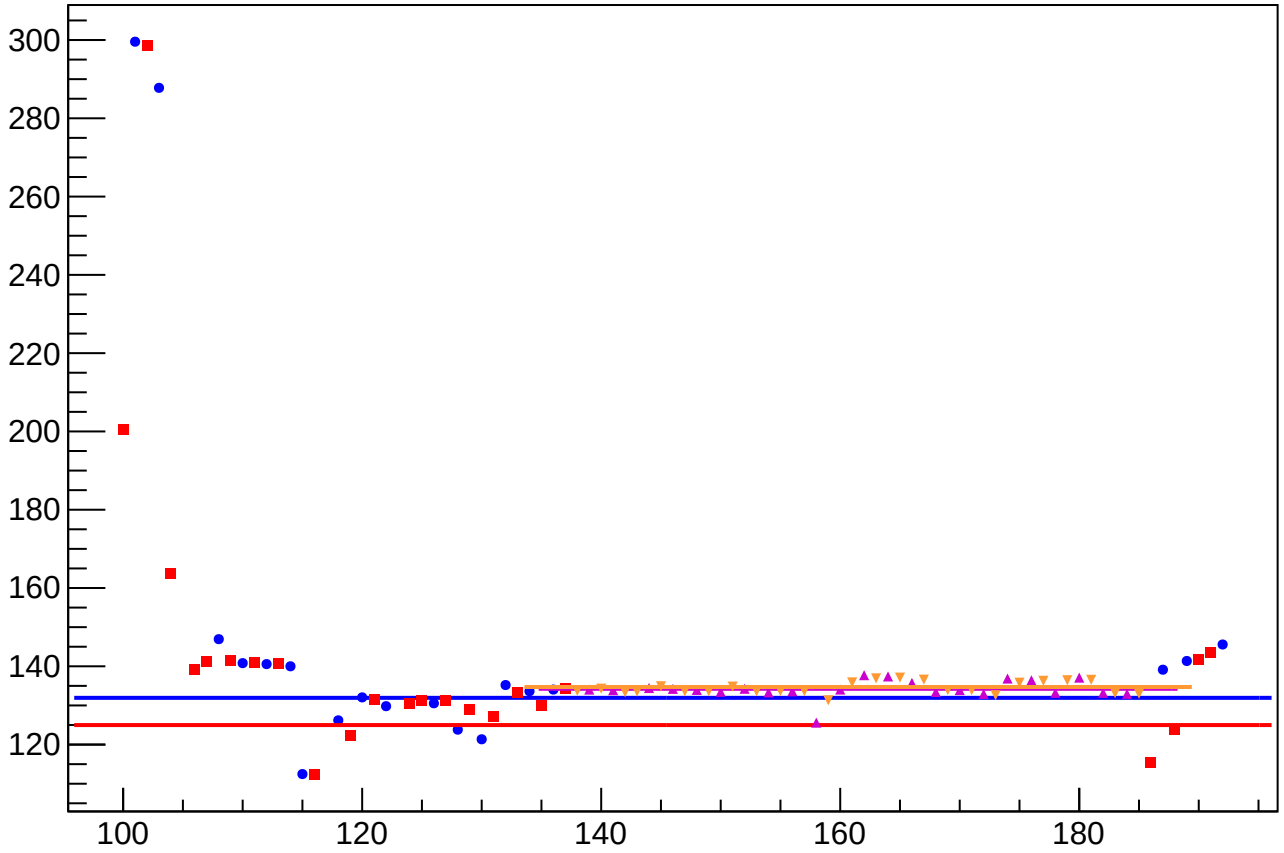
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 41544418.3/43

All: 0.017+/-0.000 χ^2/NDF: 81858319.1/89

- sign 0.017+/-0.000 χ^2/NDF: 40310764.1/45

yield_cav4cQ_mean vs Slug



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

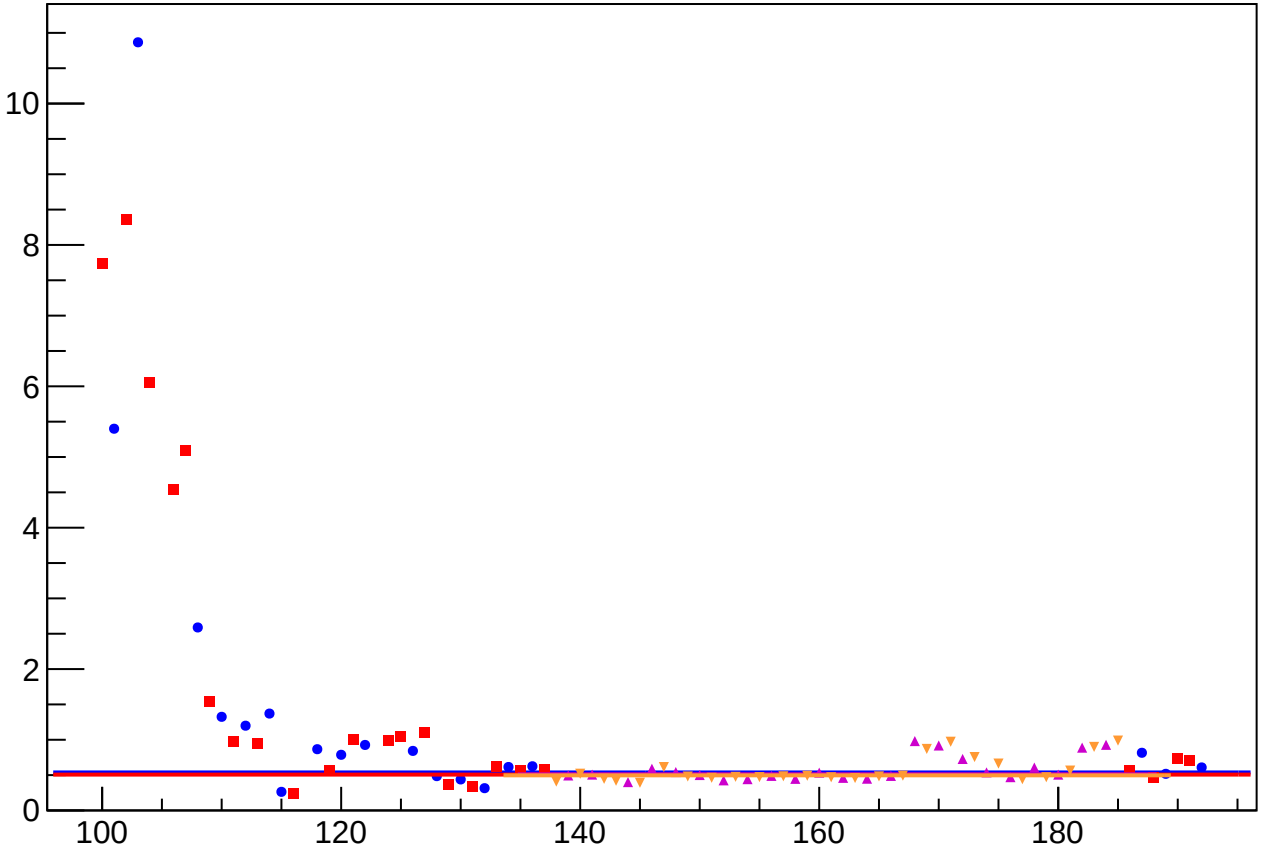
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 134.149+/-0.000 χ^2/NDF: 2581927973.6/43

All: 133.096+/-0.000 χ^2/NDF: 6226130565.5

- sign 131.988+/-0.000 χ^2/NDF: 3452849160.4/45

yield_cav4cQ_rms vs Slug



Right In: 0.538+/-0.000 χ^2/NDF: 4201761.2/18

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

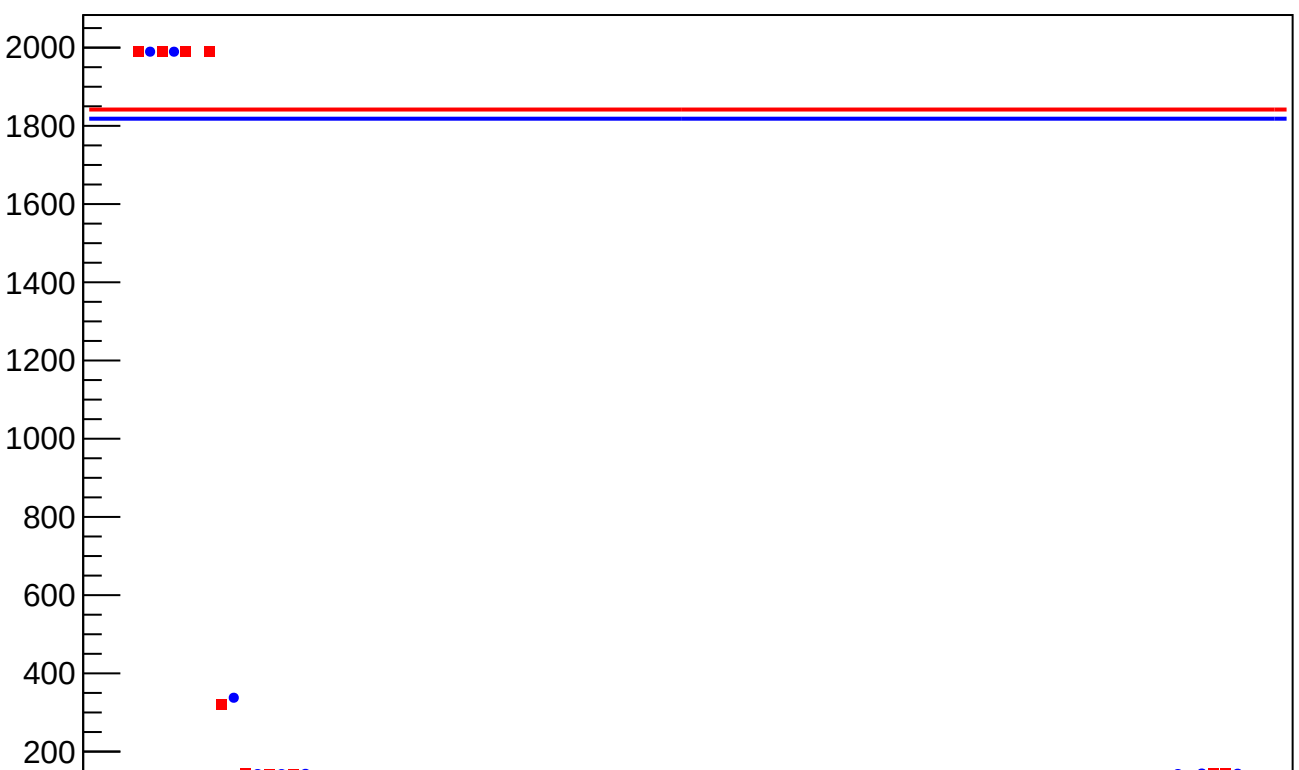
Right Out: 0.507+/-0.000 χ^2/NDF: 4978575.2/22

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.505+/-0.000 χ^2/NDF: 5819438.5/43

All: 0.507+/-0.000 χ^2/NDF: 12284859.3/89

- sign 0.509+/-0.000 χ^2/NDF: 6464205.6/45



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: 1707920245189O3.9/22

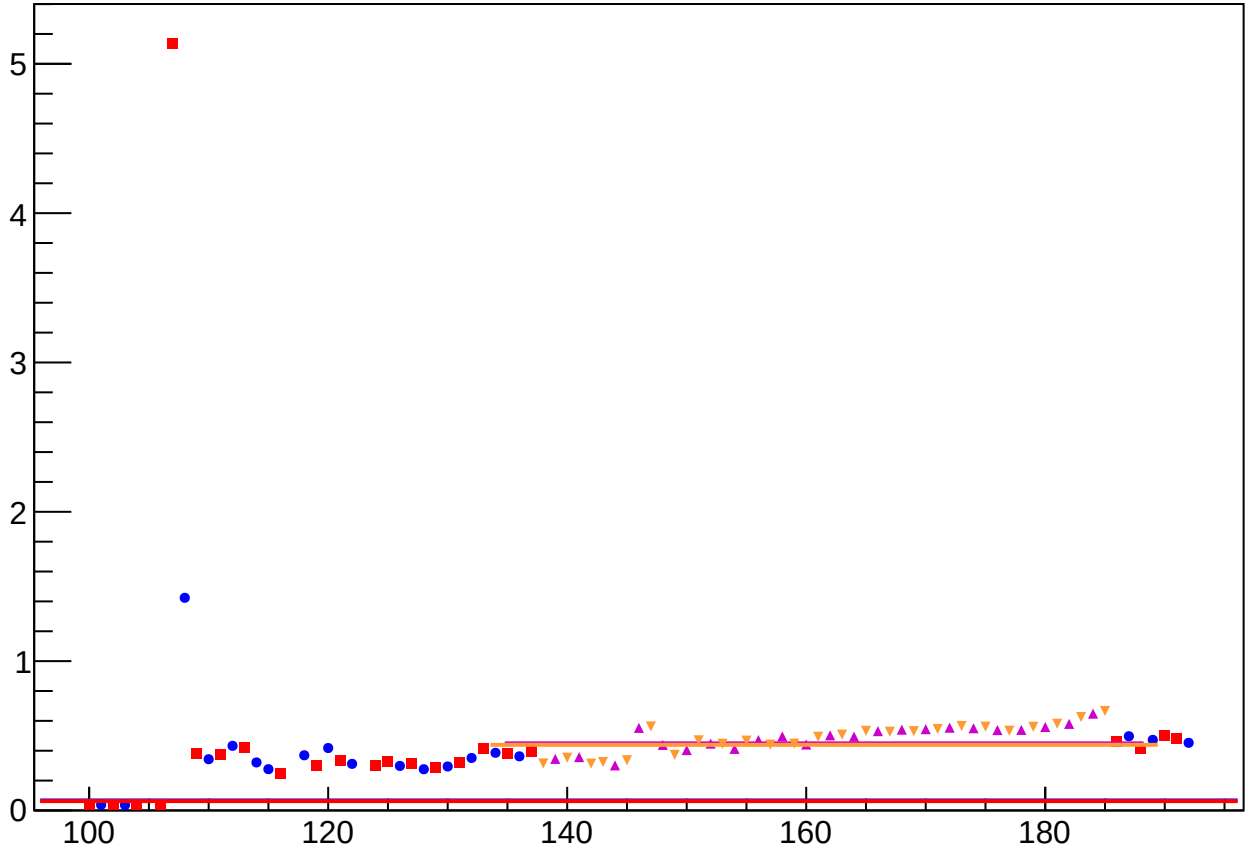
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1585.537+/-0.000 χ^2/NDF: 3926780482132

All: 1620.554+/-0.000 χ^2/NDF: 784062144

- sign 1651.438+/-0.000 χ^2/NDF: 38983679369880

yield_cav4dQ_rms vs Slug



Right In: 0.067+/-0.000 χ^2/NDF: 10503431.7/18

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

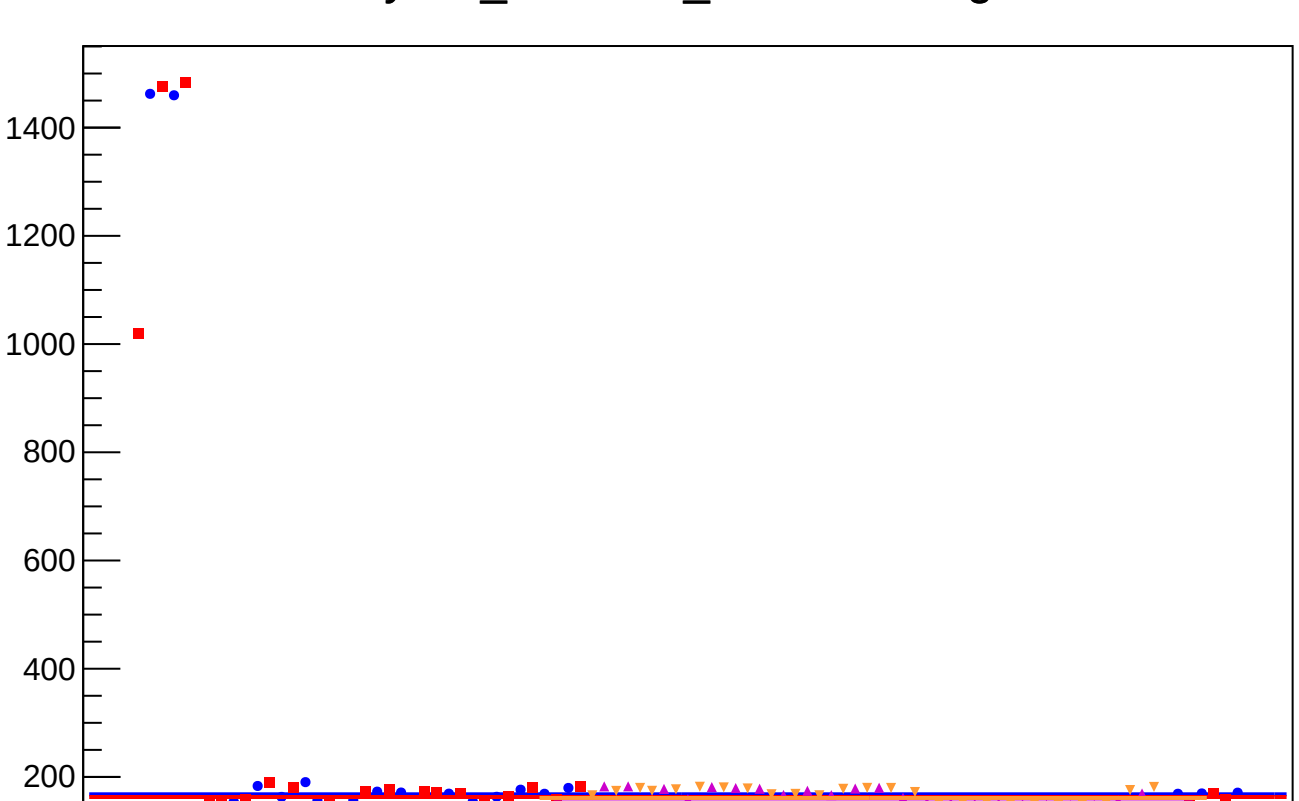
Right Out: 0.063+/-0.000 χ^2/NDF: 10525396.4/22

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.118+/-0.000 χ^2/NDF: 34490471.8/43

All: 0.112+/-0.000 χ^2/NDF: 69010147.5/89

- sign 0.106+/-0.000 χ^2/NDF: 34405883.4/45



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

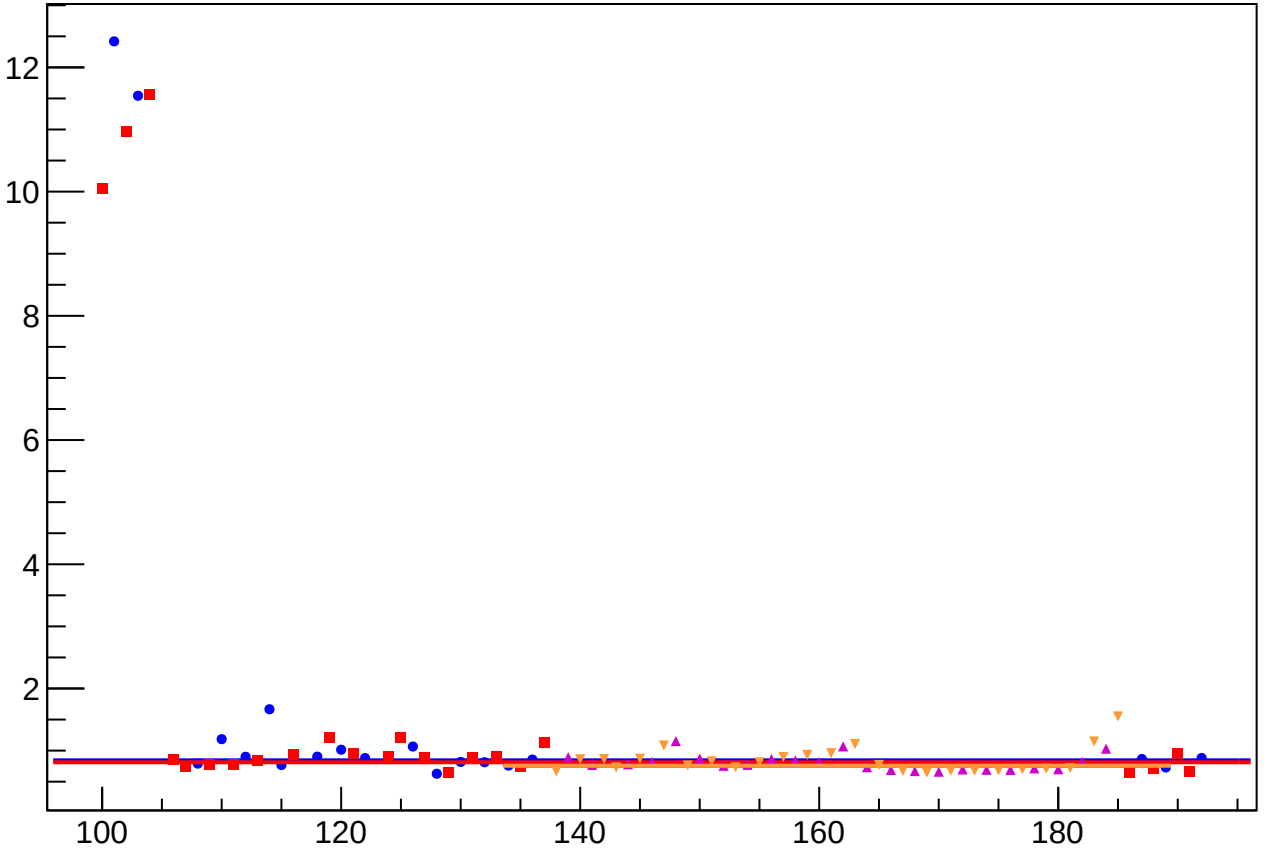
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 162.708+/-0.000 χ^2/NDF: 18629432353.1/43

All: 161.790+/-0.000 χ^2/NDF: 39792584390.

- sign 160.876+/-0.000 χ^2/NDF: 21109542216.0/45

yield_bcm0l02_rms vs Slug



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

+ sign 0.776+/-0.000 χ^2/NDF: 3164238.4/43

All: 0.773+/-0.000 χ^2/NDF: 6016975.2/89

- sign 0.770+/-0.000 χ^2/NDF: 2851536.4/45

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

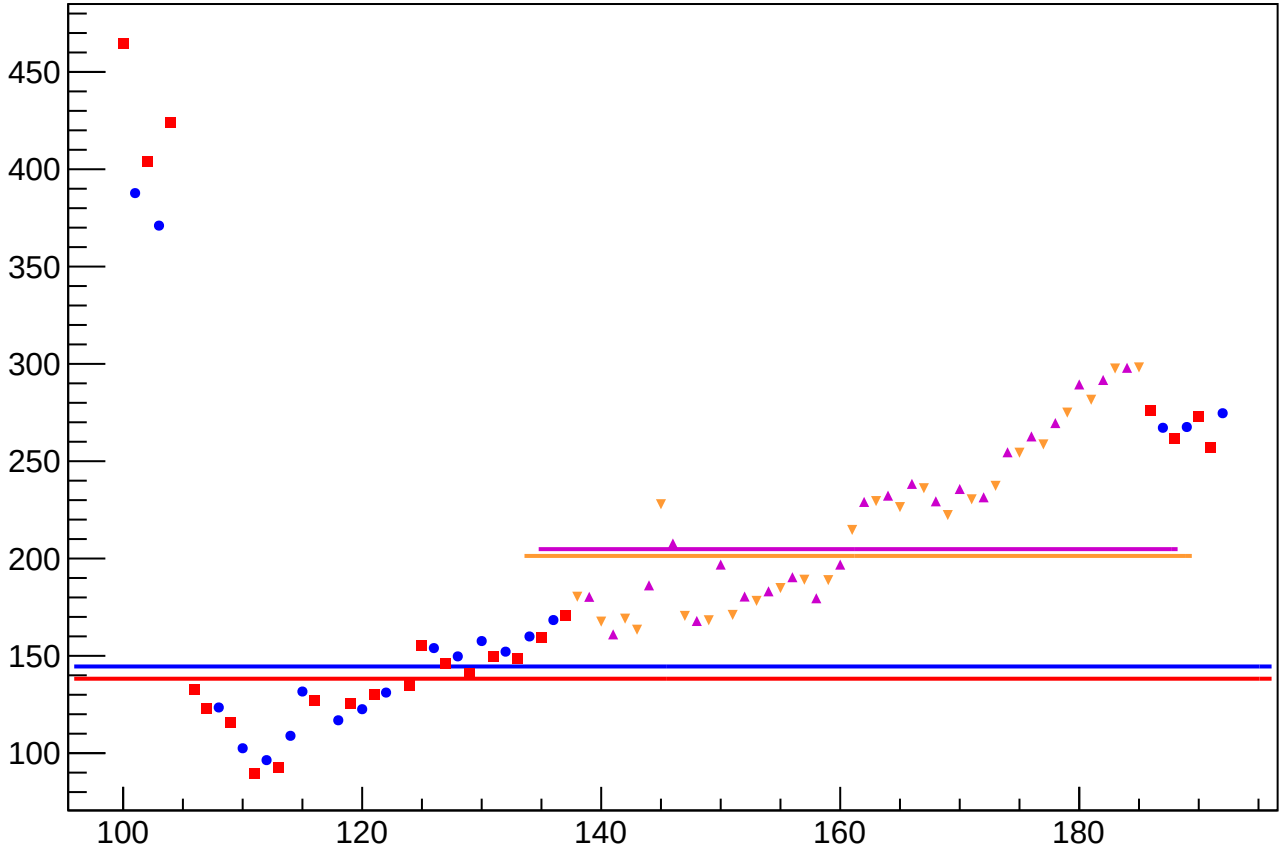
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160628.762+/-0.035 χ^2/NDF: 11810146421

All: 160159.328+/-0.025 χ^2/NDF: 2343587

- sign 159698.341+/-0.035 χ^2/NDF: 115900882242

yield_bpm2i01WS_rms vs Slug



Right In: 144.535+/-0.037 χ^2/NDF: 2202556.1/18

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

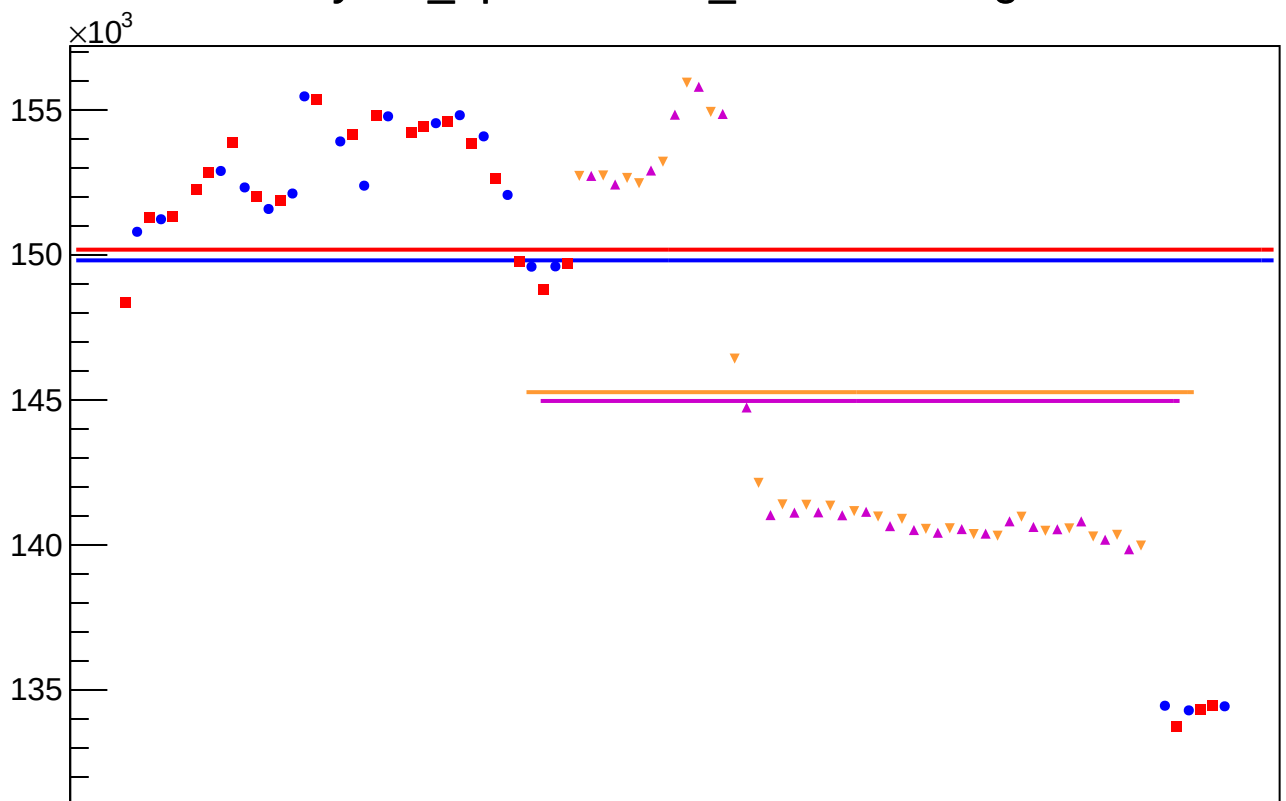
Right Out: 138.246+/-0.035 χ^2/NDF: 2574856.8/22

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 176.404+/-0.025 χ^2/NDF: 4729565.3/43

All: 174.078+/-0.017 χ^2/NDF: 10216735.1/89

- sign 171.794+/-0.025 χ^2/NDF: 5469674.4/45



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

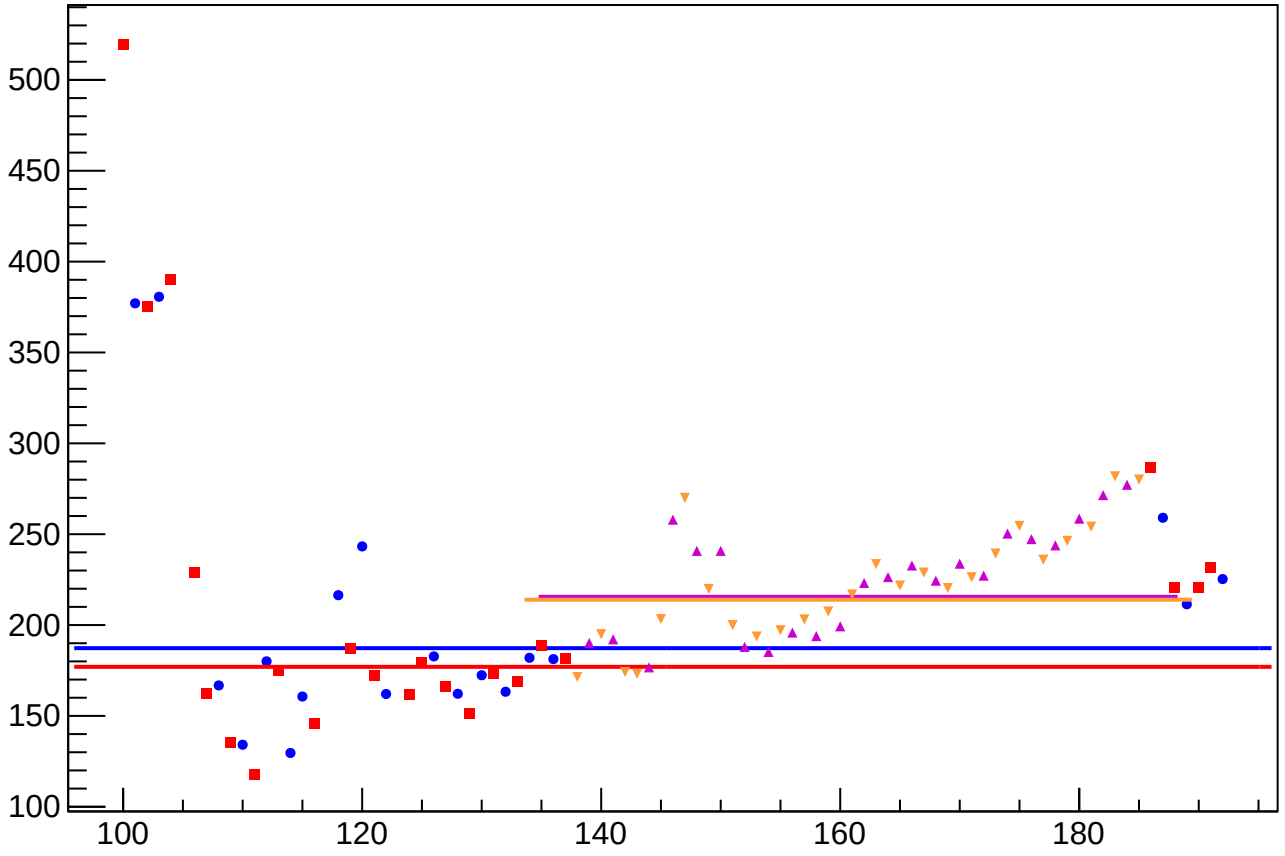
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 146872.049+/-0.040 χ^2/NDF: 26755182251.

All: 146979.650+/-0.028 χ^2/NDF: 56461838

- sign 147085.728+/-0.039 χ^2/NDF: 29692097235.

yield_bpm0i07WS_rms vs Slug



Right In: 187.286+/-0.047 χ^2/NDF: 1019683.6/18

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

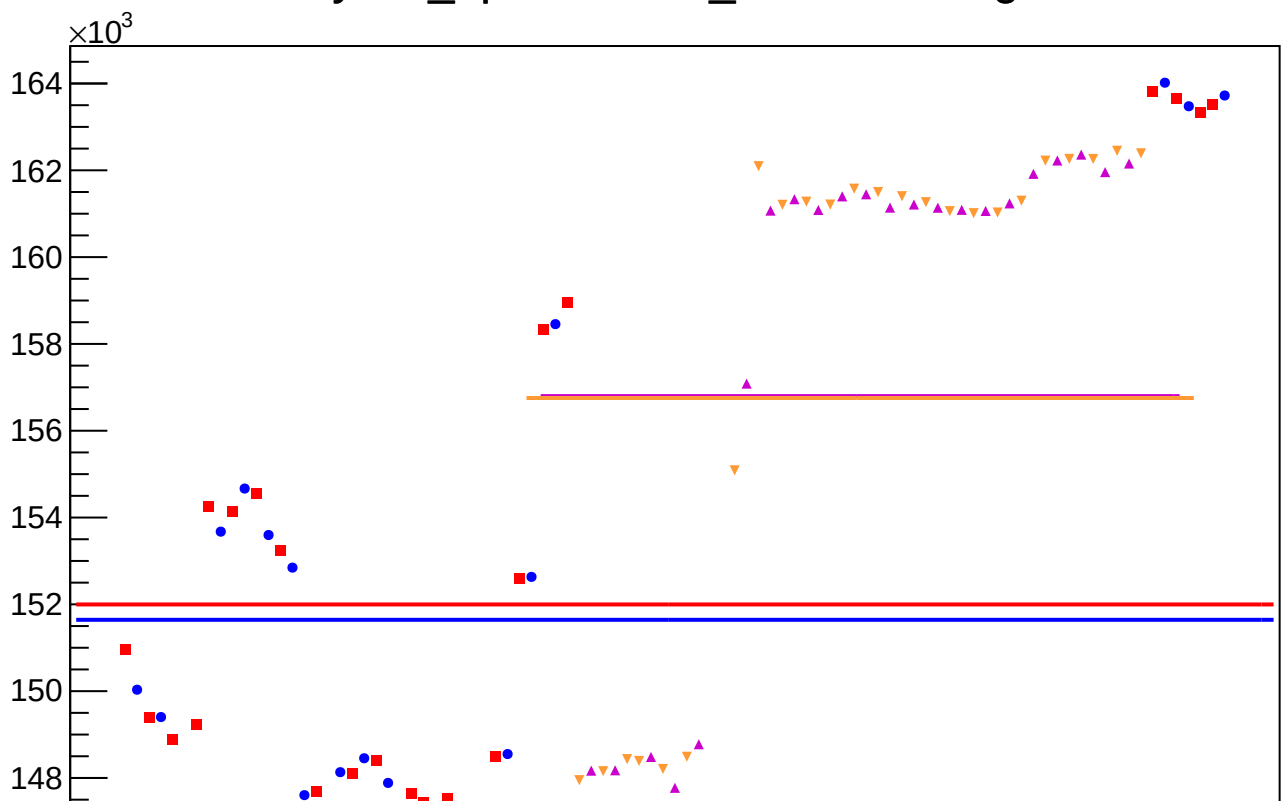
Right Out: 177.010+/-0.044 χ^2/NDF: 1371407.1/22

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 204.550+/-0.028 χ^2/NDF: 1875833.7/43

All: 202.203+/-0.020 χ^2/NDF: 4321633.0/89

- sign 199.888+/-0.028 χ^2/NDF: 2431938.7/45



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

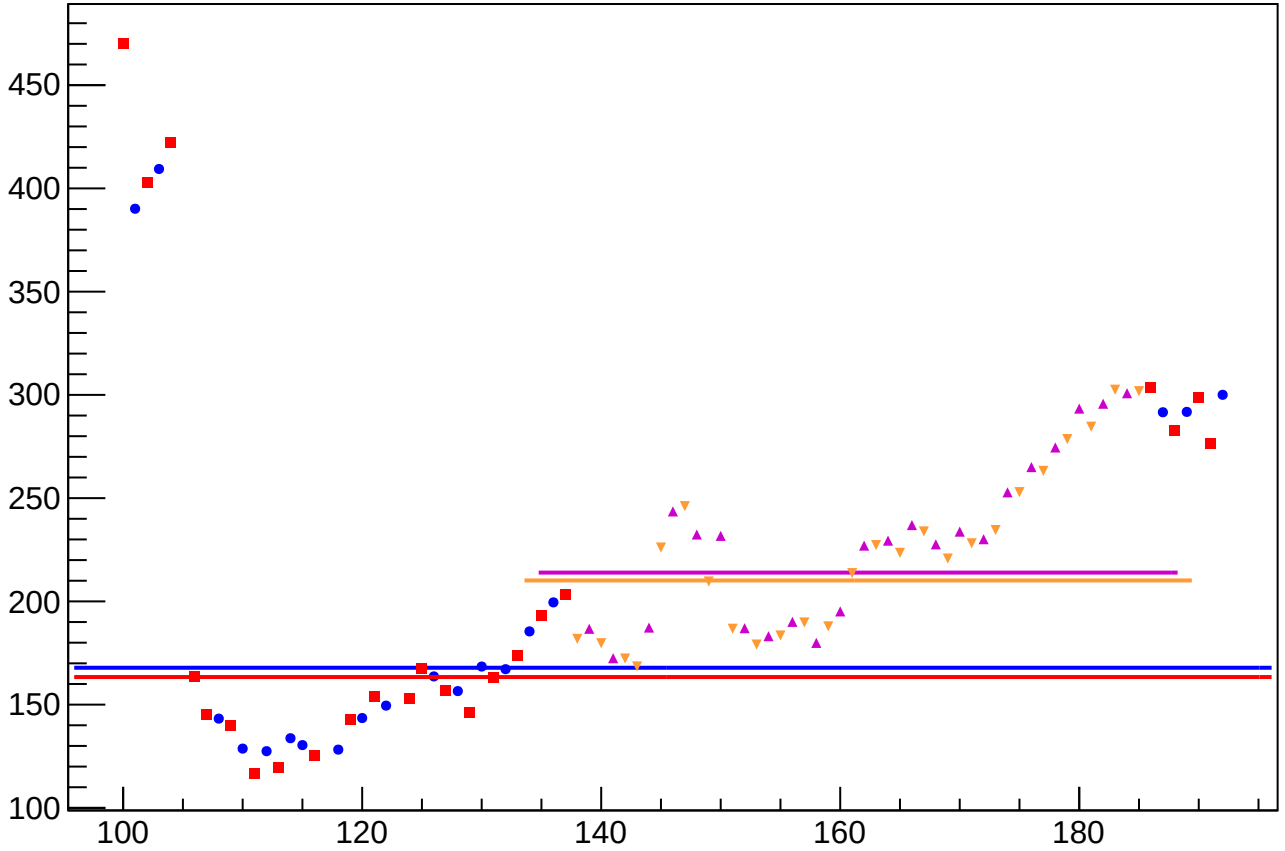
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 154753.803+/-0.038 χ^2/NDF: 26965446035.

All: 154723.975+/-0.027 χ^2/NDF: 5190863

- sign 154693.766+/-0.038 χ^2/NDF: 24941946114.

yield_bpm0i01WS_rms vs Slug



Right In: 167.863+/-0.043 χ^2/NDF: 1876081.6/18

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

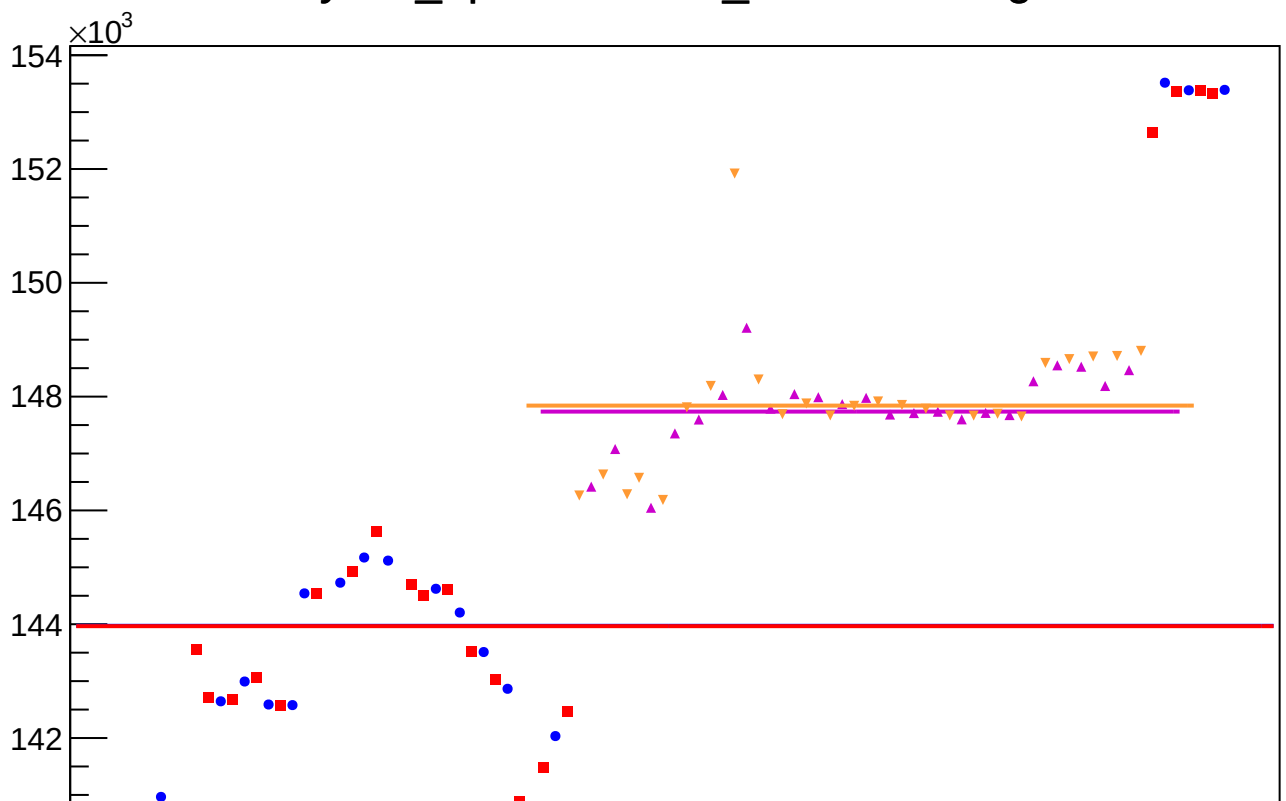
Right Out: 163.364+/-0.041 χ^2/NDF: 2059022.9/22

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 193.592+/-0.027 χ^2/NDF: 3465408.7/43

All: 192.689+/-0.019 χ^2/NDF: 7305175.7/89

- sign 191.773+/-0.027 χ^2/NDF: 3837483.7/45



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

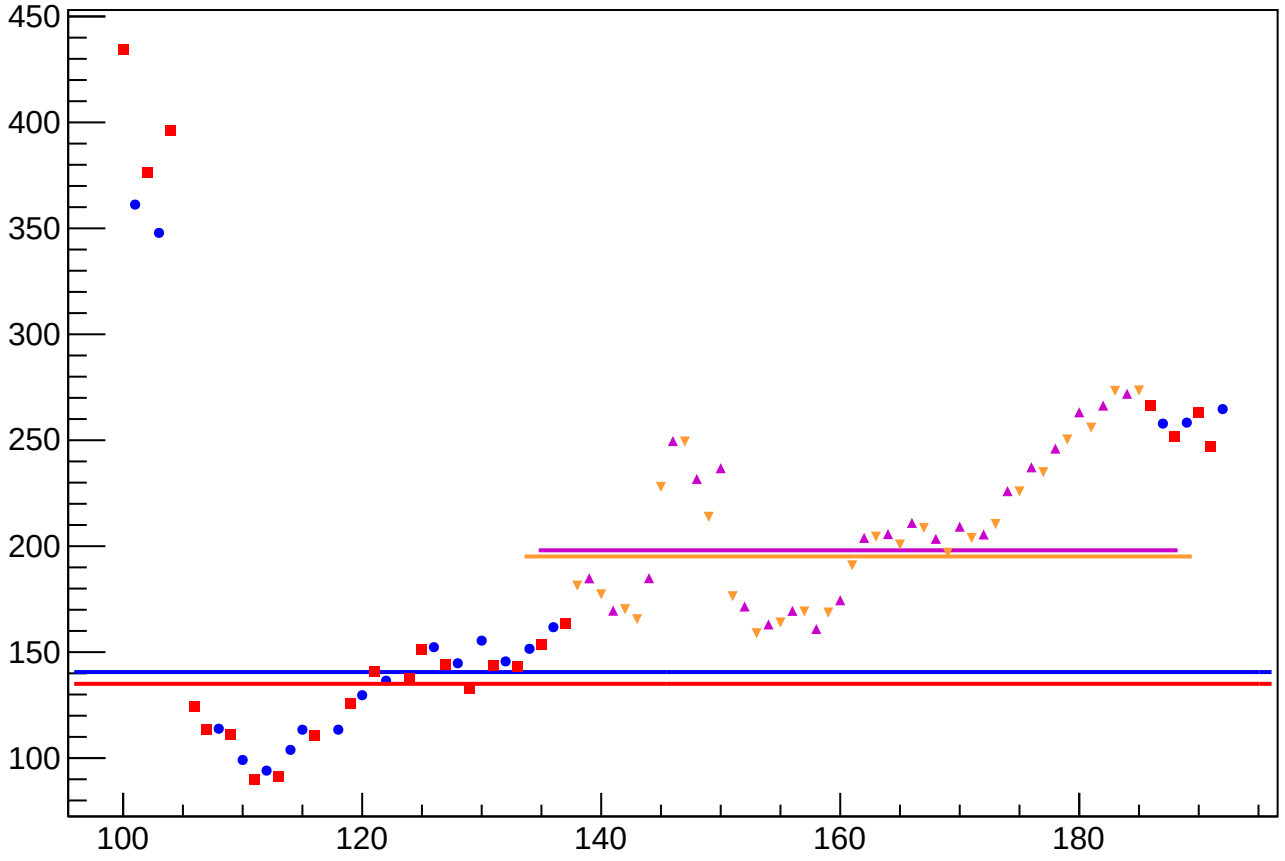
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 146156.602+/-0.034 χ^2/NDF: 6806603209.7

All: 146018.605+/-0.024 χ^2/NDF: 13558575

- sign 145882.762+/-0.034 χ^2/NDF: 6719084592.0/

yield_bpm0i01aWS_rms vs Slug



Right In: 140.594+/-0.036 χ^2/NDF: 2150547.2/18

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

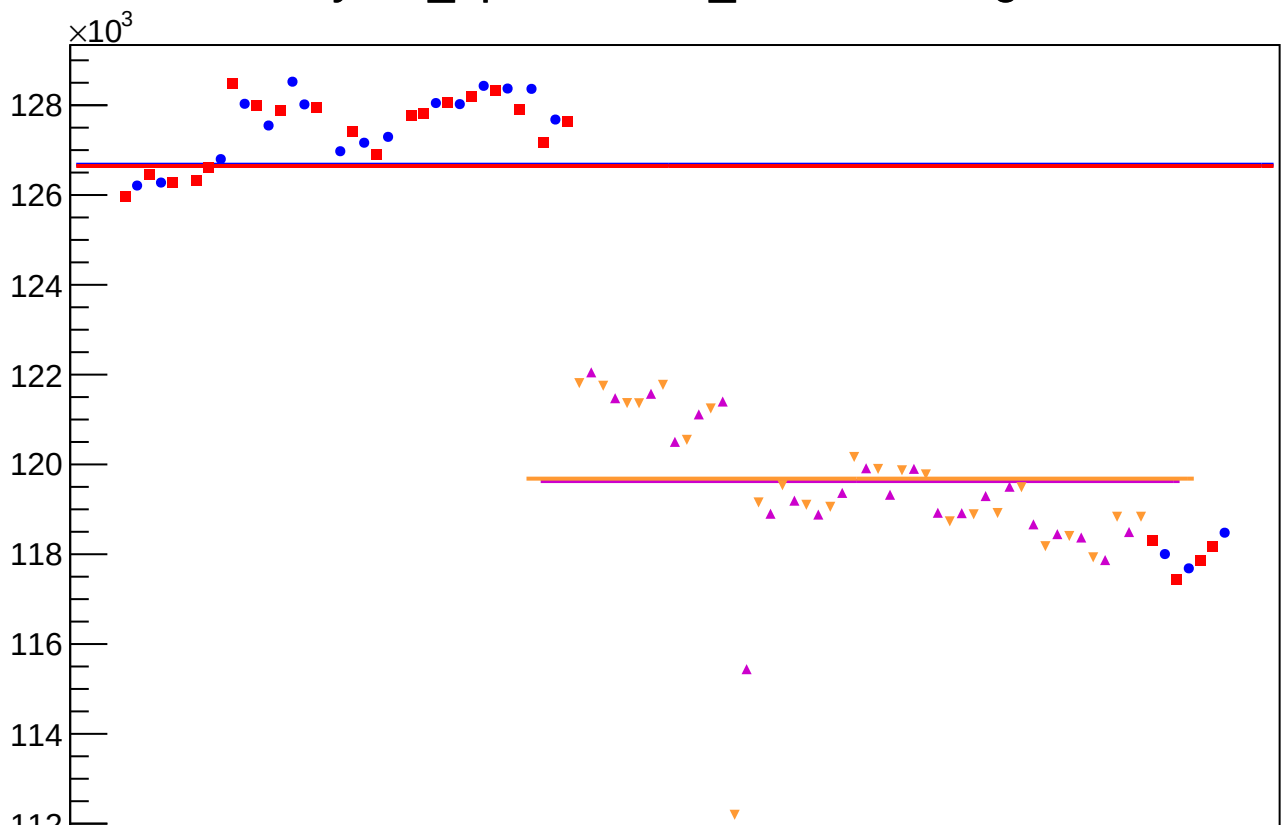
Right Out: 135.042+/-0.034 χ^2/NDF: 2475708.1/22

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 171.386+/-0.024 χ^2/NDF: 4327257.9/43

All: 169.214+/-0.017 χ^2/NDF: 9473462.1/89

- sign 167.076+/-0.024 χ^2/NDF: 5129918.3/45



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

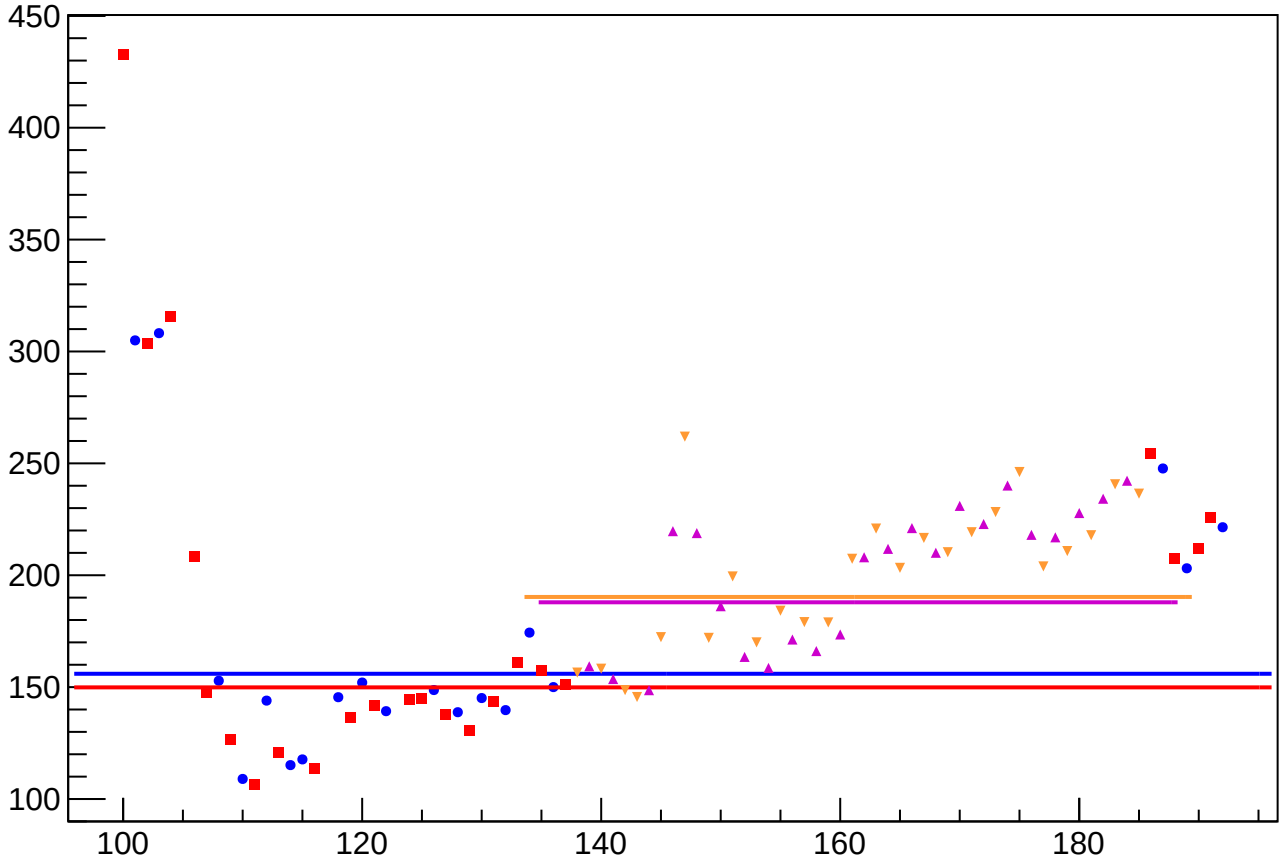
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 122421.190+/-0.035 χ^2/NDF: 14748062450.

All: 122534.365+/-0.024 χ^2/NDF: 30258569

- sign 122643.957+/-0.034 χ^2/NDF: 15489358654.

yield_bpm0l01WS_rms vs Slug



Right In: 155.969+/-0.039 χ^2/NDF: 1134541.0/18

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

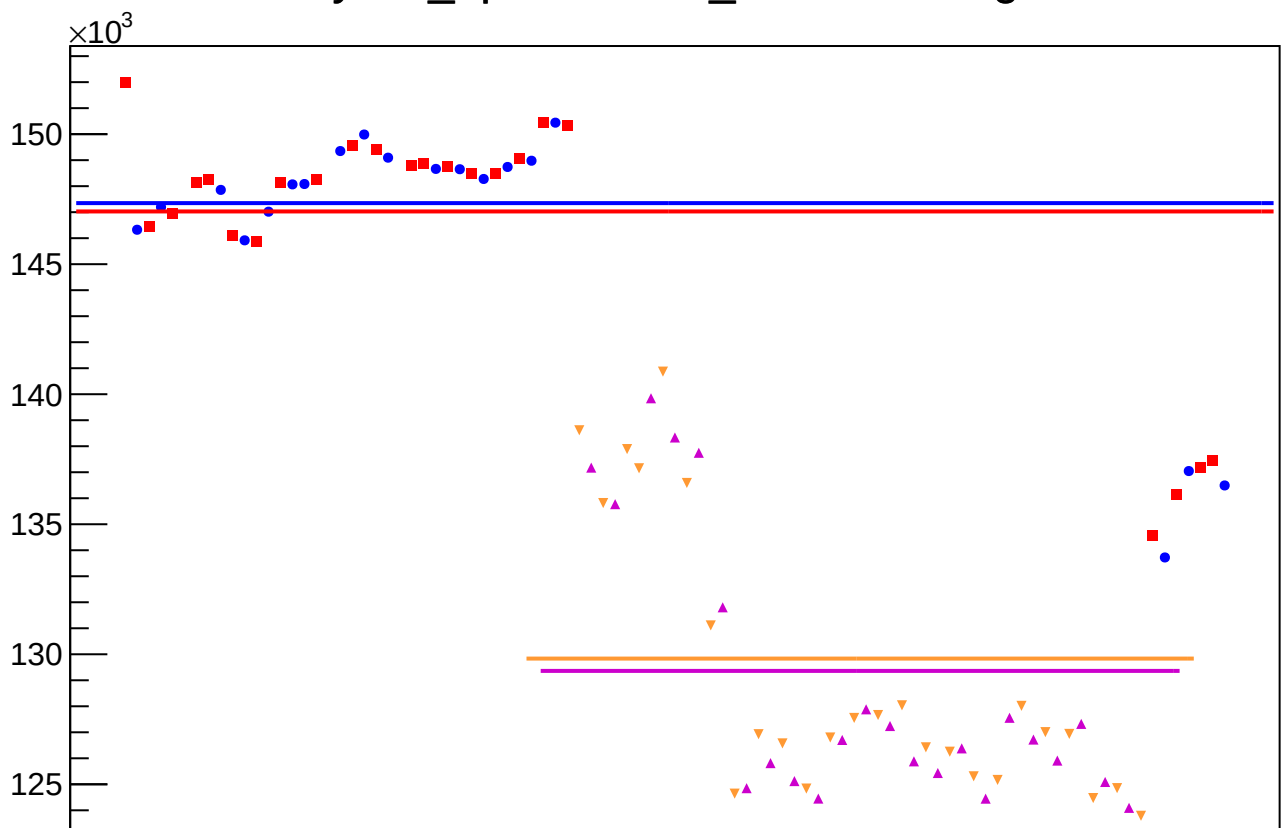
Right Out: 149.889+/-0.037 χ^2/NDF: 1446087.2/22

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 176.855+/-0.024 χ^2/NDF: 2530119.9/43

All: 174.173+/-0.017 χ^2/NDF: 5539681.3/89

- sign 171.576+/-0.024 χ^2/NDF: 2985804.1/45



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

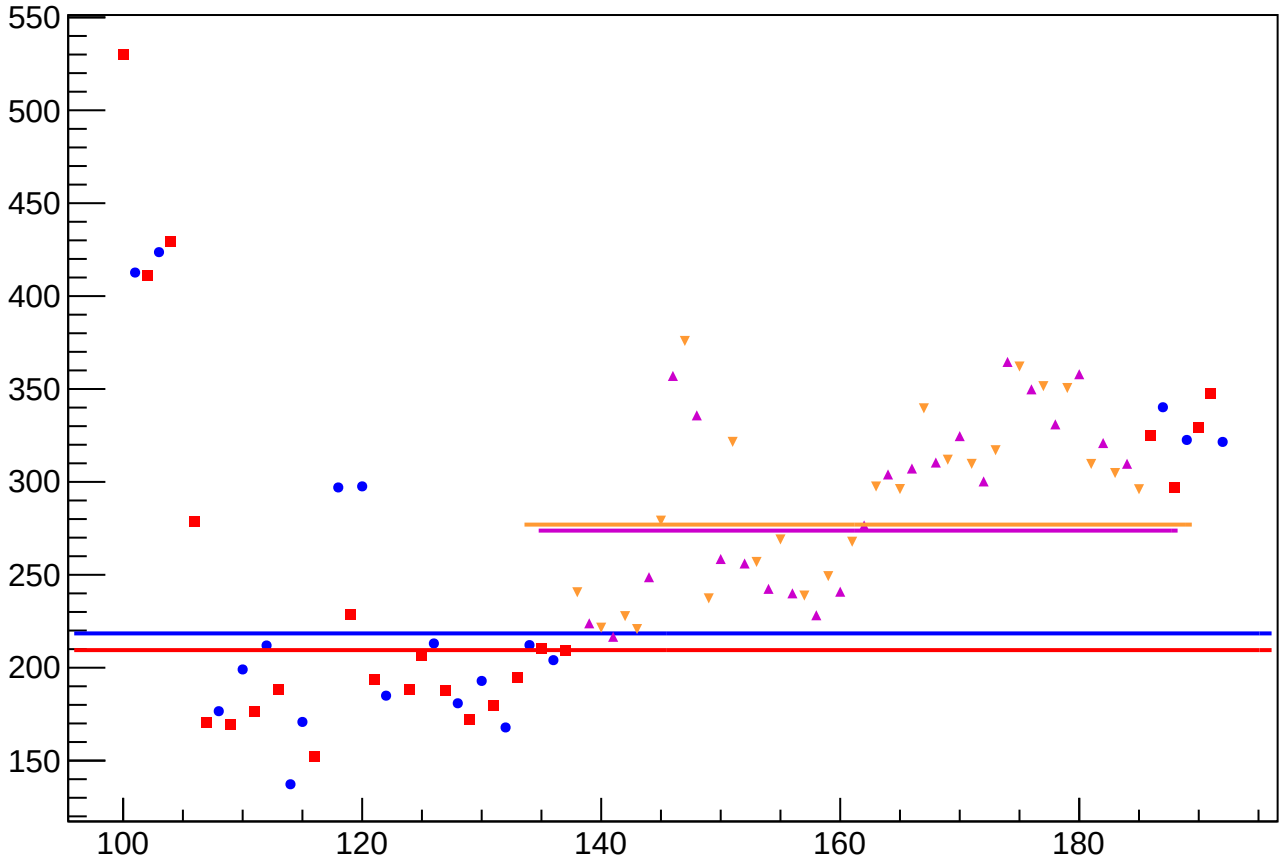
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136922.742+/-0.050 χ^2/NDF: 39270058222.

All: 137102.779+/-0.035 χ^2/NDF: 81569790

- sign 137275.781+/-0.049 χ^2/NDF: 42273825450.7

yield_bpm0l02WS_rms vs Slug



Right In: 218.462+/-0.055 χ^2/NDF: 1366642.3/18

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

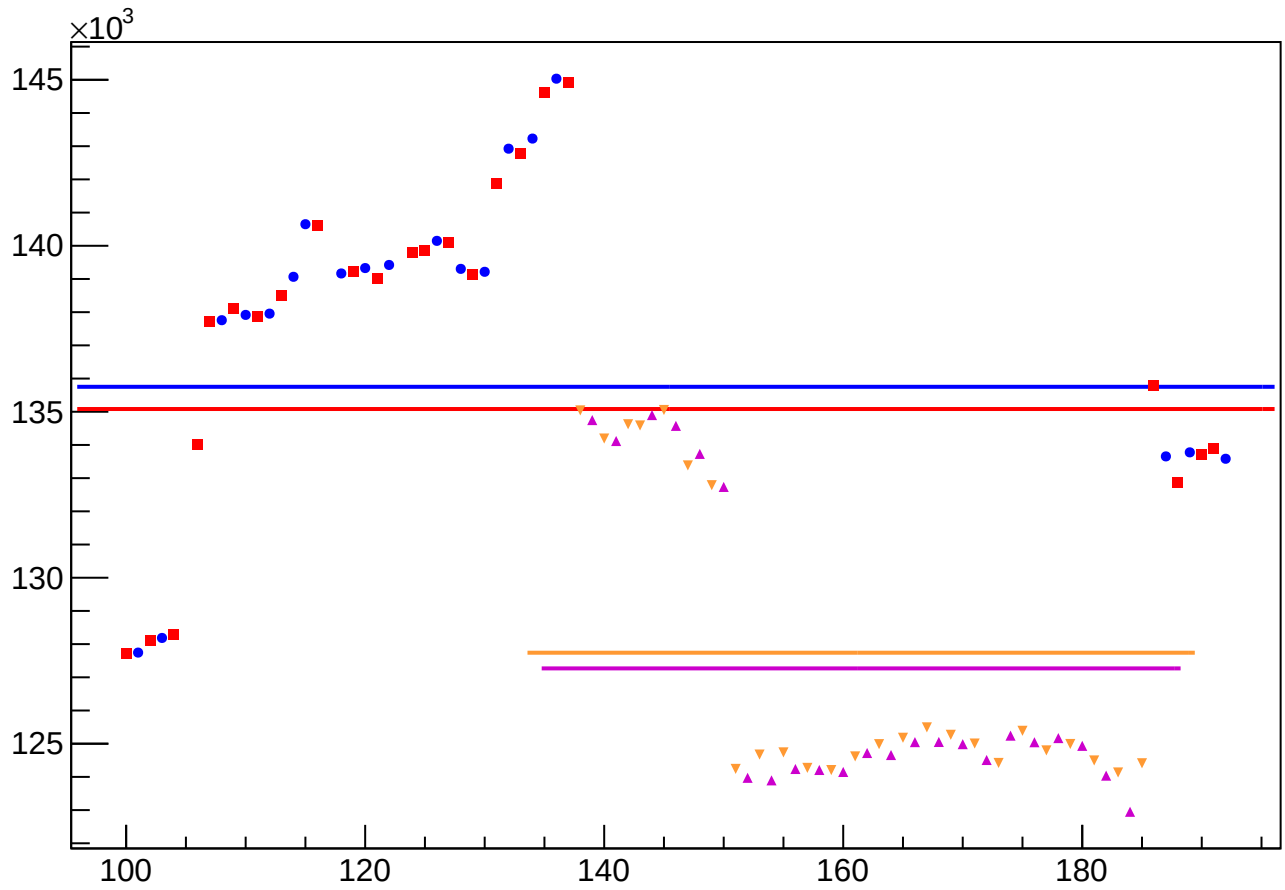
Right Out: 209.474+/-0.051 χ^2/NDF: 1384682.3/22

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 253.321+/-0.035 χ^2/NDF: 2986709.7/43

All: 249.063+/-0.025 χ^2/NDF: 6271960.2/89

- sign 244.972+/-0.034 χ^2/NDF: 3256274.4/45



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

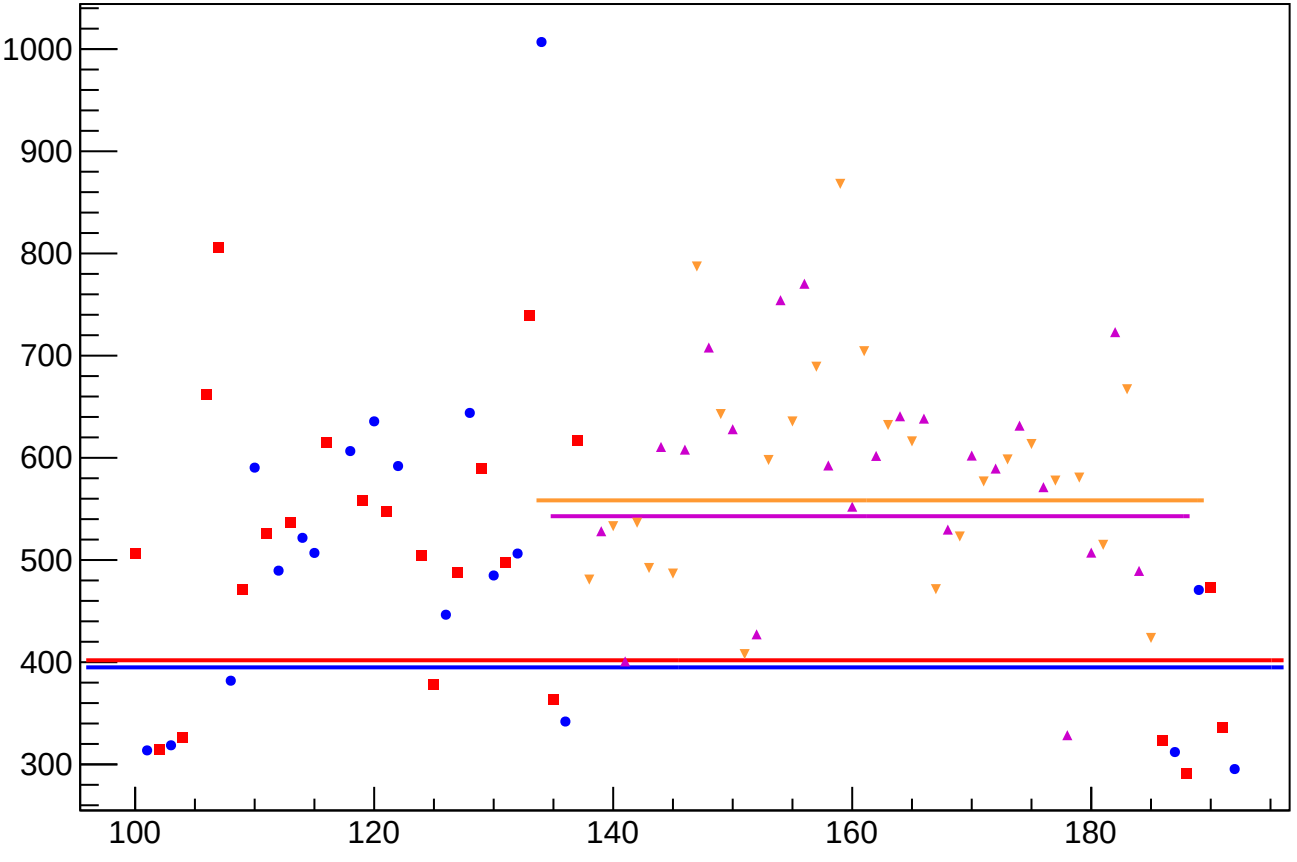
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131412.877+/-0.100 χ^2/NDF: 4333948219.3

All: 131193.813+/-0.071 χ^2/NDF: 805827068

- sign 130971.427+/-0.101 χ^2/NDF: 3714608997.7/

yield_bpm0l03WS_rms vs Slug



Right In: 394.956+/-0.104 χ^2/NDF: 1251820.8/18

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

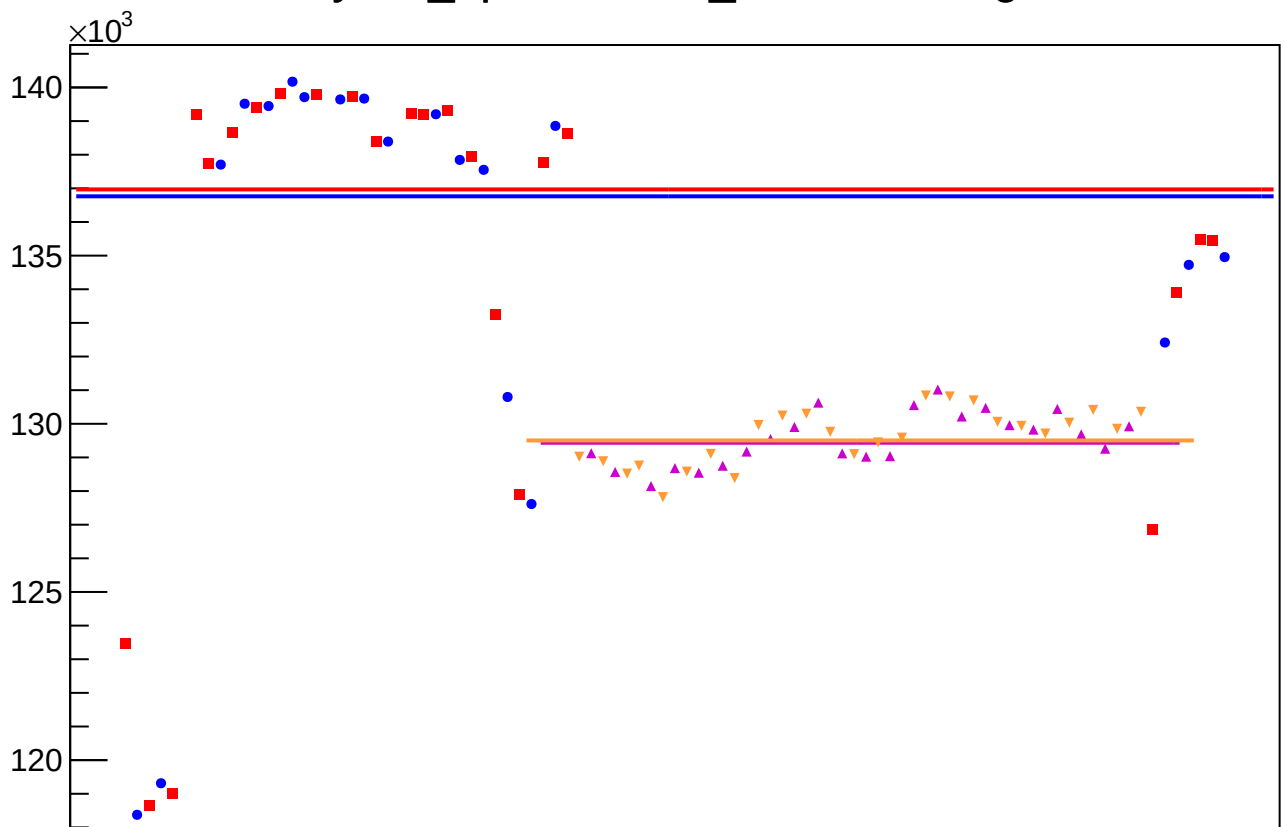
Right Out: 401.883+/-0.103 χ^2/NDF: 1284122.1/22

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 483.470+/-0.071 χ^2/NDF: 3551986.5/43

All: 479.793+/-0.050 χ^2/NDF: 7238984.2/89

- sign 476.060+/-0.071 χ^2/NDF: 3681524.6/45



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

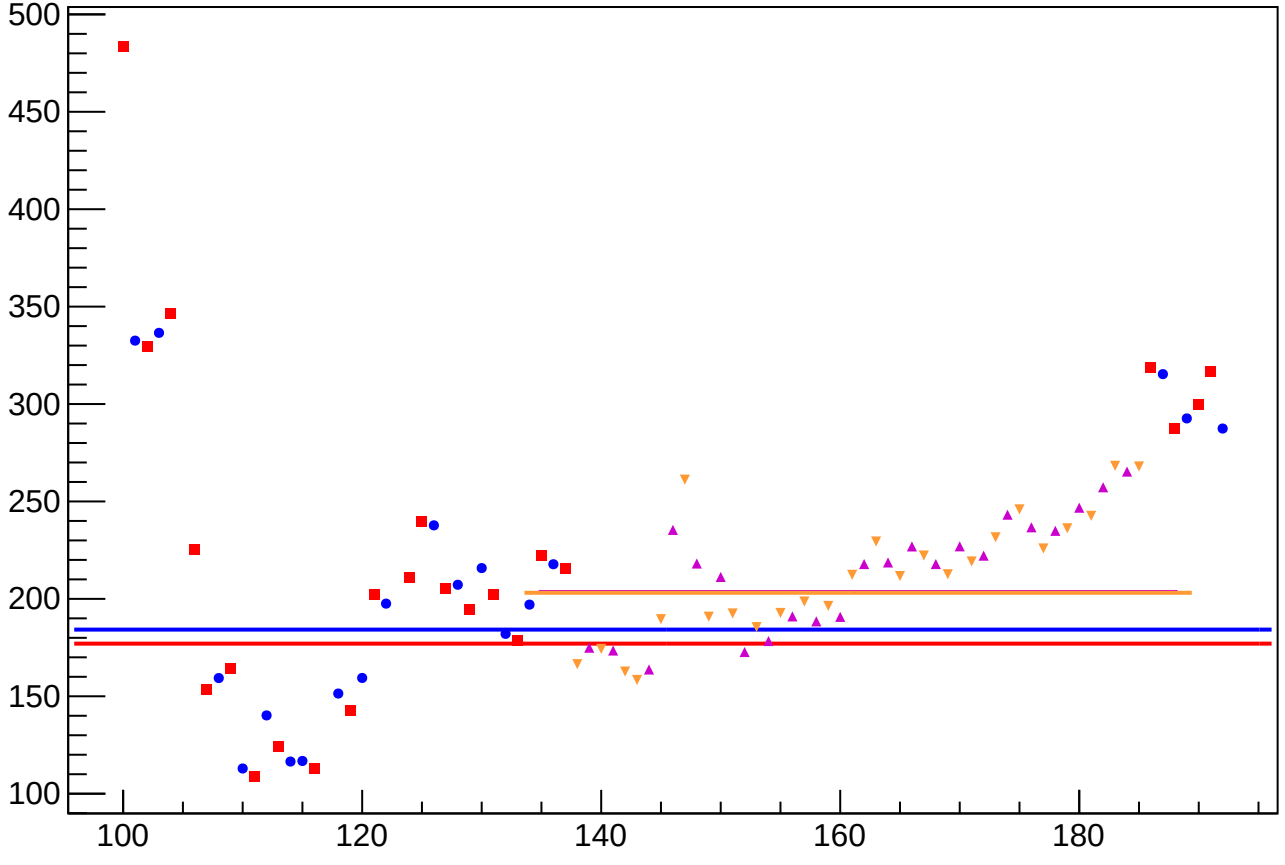
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 131916.678+/-0.038 χ^2/NDF: 14138964620.

All: 132081.918+/-0.027 χ^2/NDF: 29750099

- sign 132246.686+/-0.038 χ^2/NDF: 15574161008.

yield_bpm0l04WS_rms vs Slug



Right In: 184.229+/-0.047 χ^2/NDF: 1687046.5/18

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

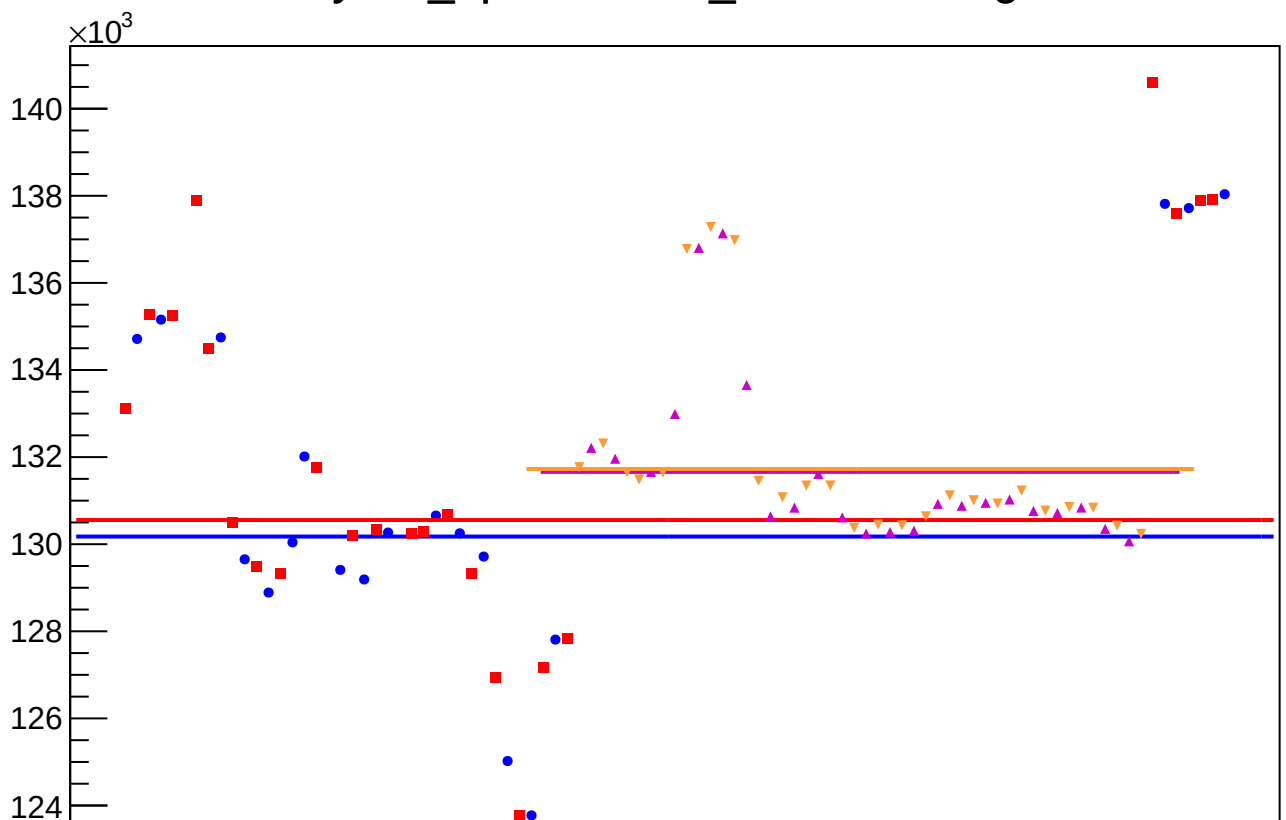
Right Out: 177.025+/-0.044 χ^2/NDF: 2134604.7/22

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 196.849+/-0.027 χ^2/NDF: 2552965.5/43

All: 195.249+/-0.019 χ^2/NDF: 5584264.1/89

- sign 193.654+/-0.027 χ^2/NDF: 3024365.4/45



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

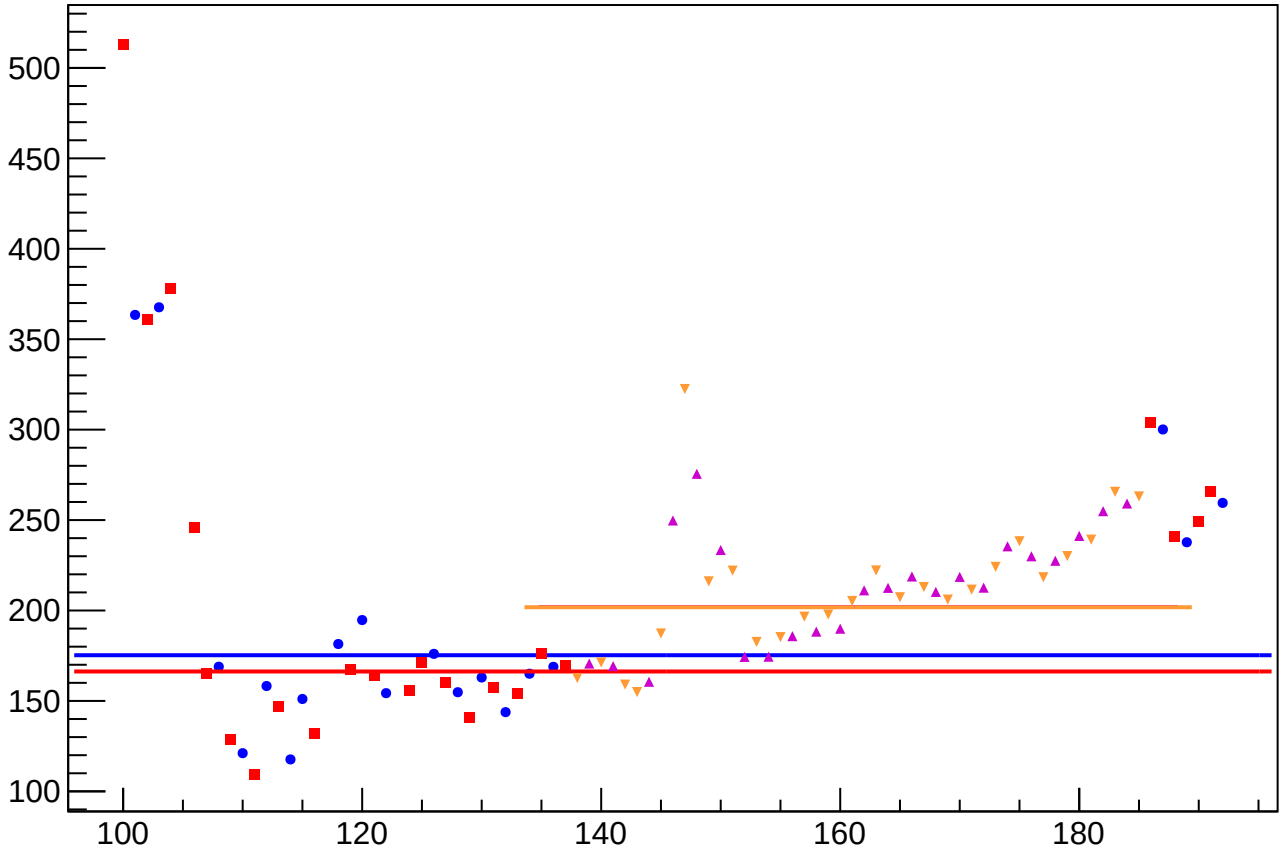
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 131171.992+/-0.038 χ^2/NDF: 5179107304.6

All: 131192.360+/-0.026 χ^2/NDF: 10266185

- sign 131212.308+/-0.037 χ^2/NDF: 5086495246.8/

yield_bpm0l05WS_rms vs Slug



Right In: 175.270+/-0.044 χ^2/NDF: 1314223.5/18

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

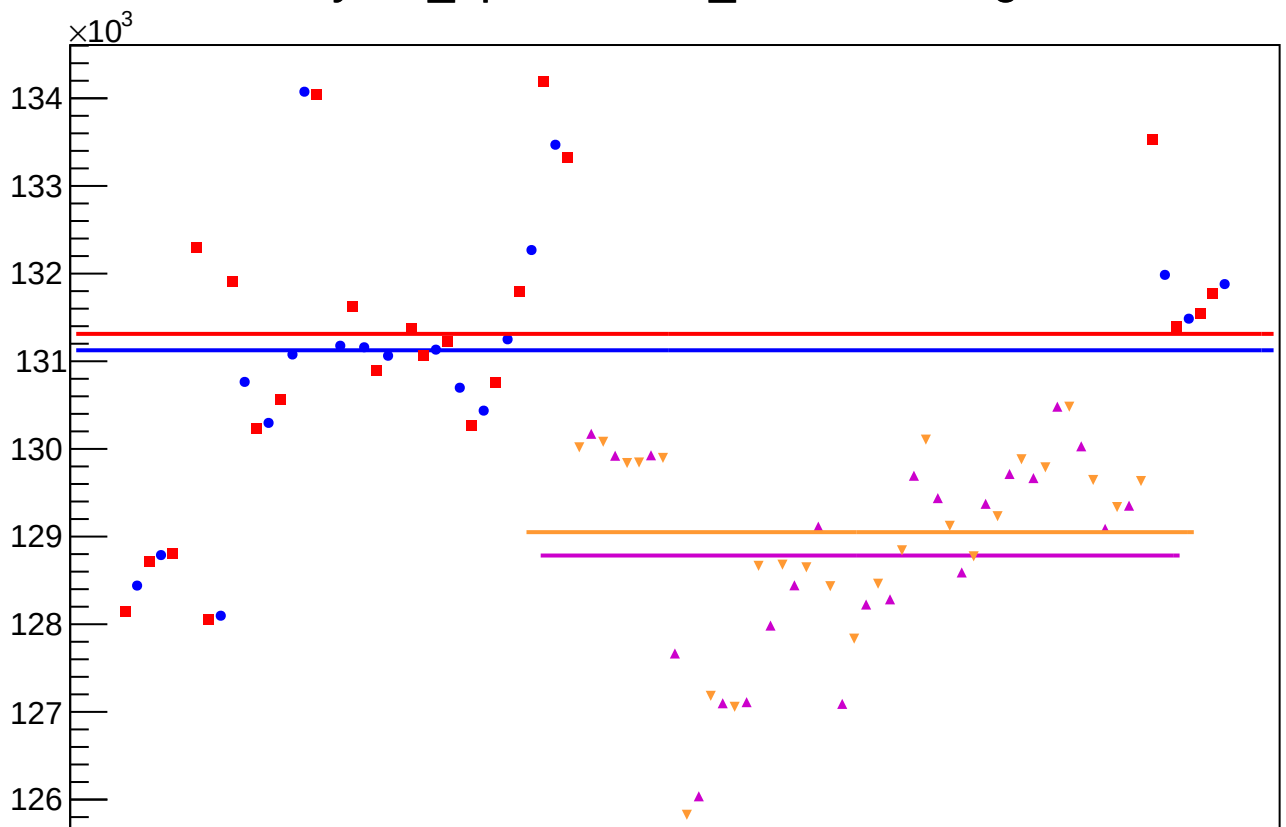
Right Out: 166.280+/-0.041 χ^2/NDF: 1719106.8/22

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 192.305+/-0.027 χ^2/NDF: 2449076.7/43

All: 189.872+/-0.019 χ^2/NDF: 5431849.2/89

- sign 187.490+/-0.026 χ^2/NDF: 2966144.4/45



Right In: 131125.303+/-0.057 χ^2/NDF: 538734775.0/18

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 131312.334+/-0.054 χ^2/NDF: 629838095.6/22

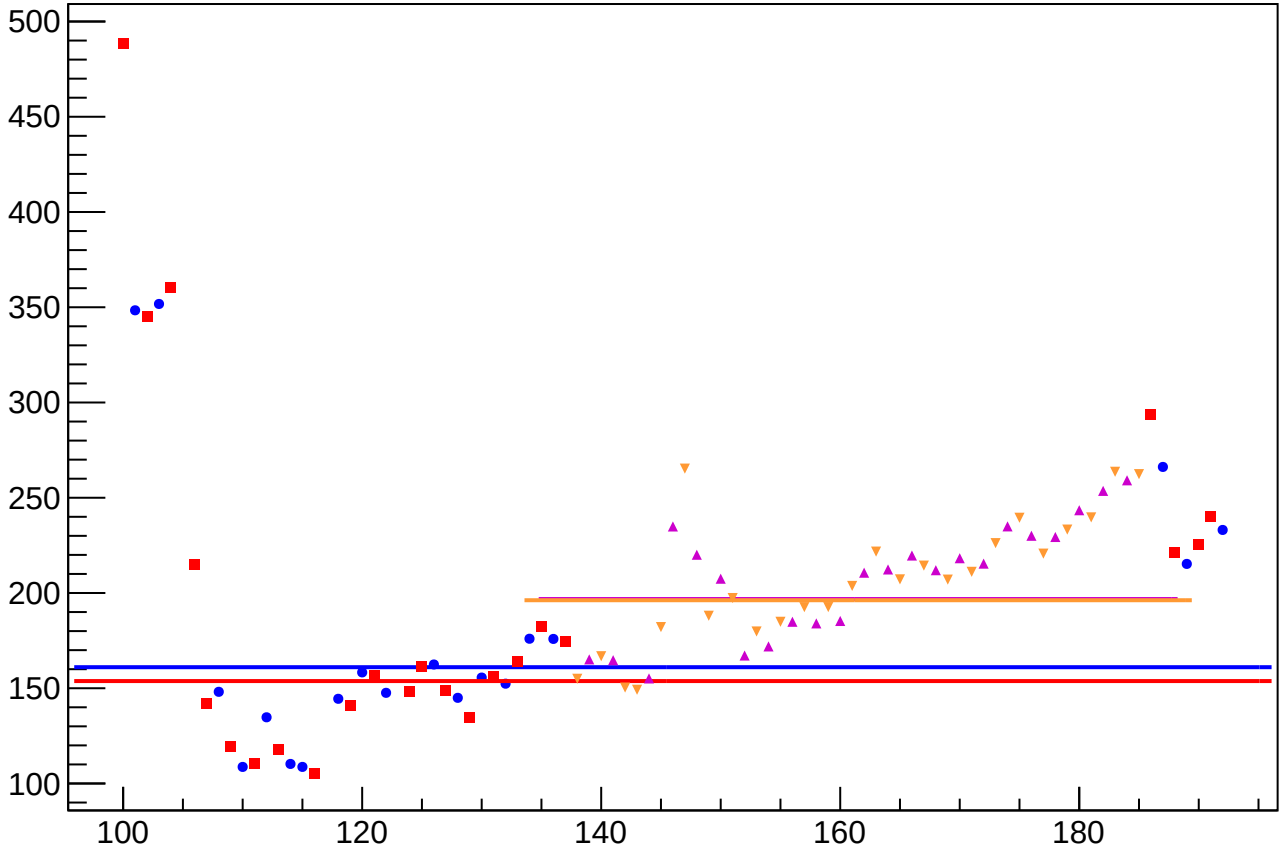
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 129851.371+/-0.036 χ^2/NDF: 1872611361.0

All: 129864.398+/-0.025 χ^2/NDF: 44153715

- sign 129877.195+/-0.035 χ^2/NDF: 2542495429.4/

yield_bpm0l06WS_rms vs Slug



Right In: 161.053+/-0.041 χ^2/NDF: 1404433.2/18

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

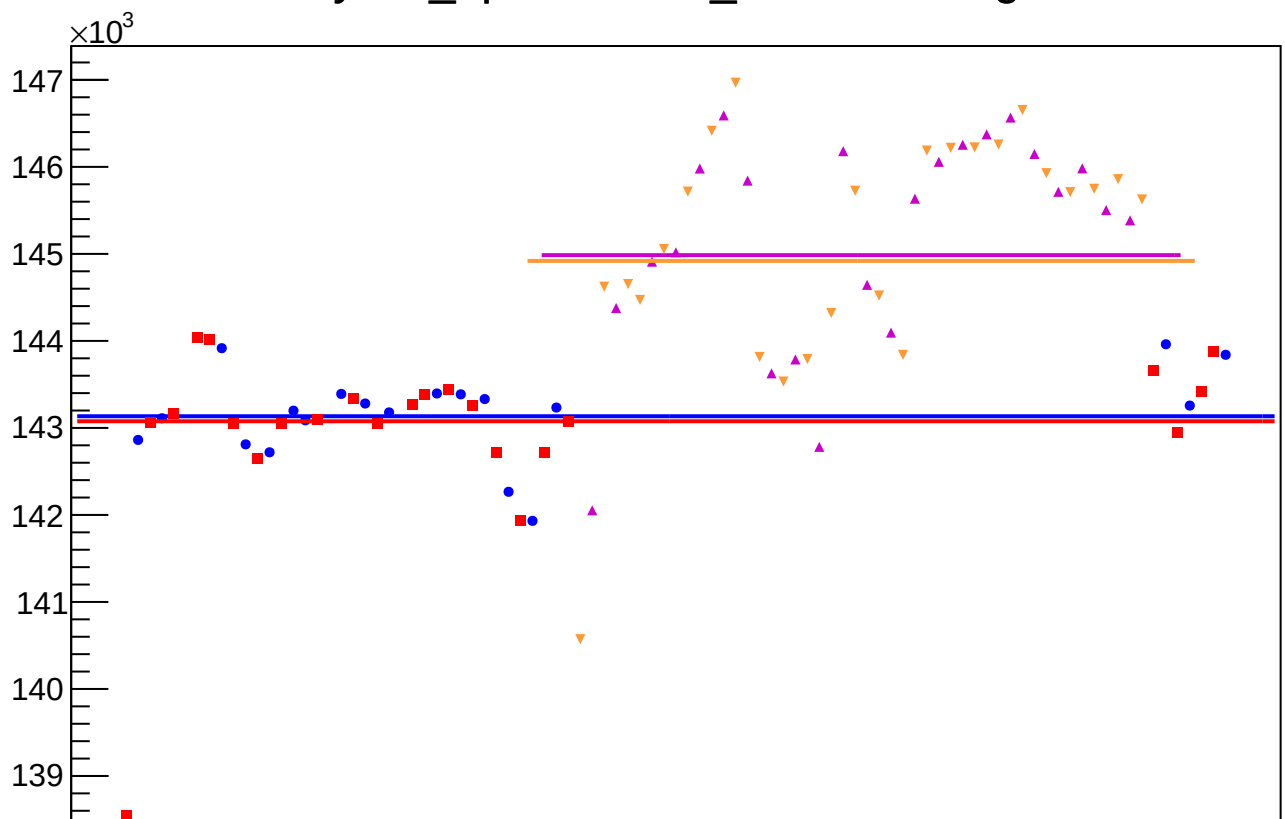
Right Out: 153.770+/-0.038 χ^2/NDF: 1809444.2/22

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 182.635+/-0.025 χ^2/NDF: 2788187.4/43

All: 180.406+/-0.018 χ^2/NDF: 6115632.2/89

- sign 178.216+/-0.025 χ^2/NDF: 3311943.5/45



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

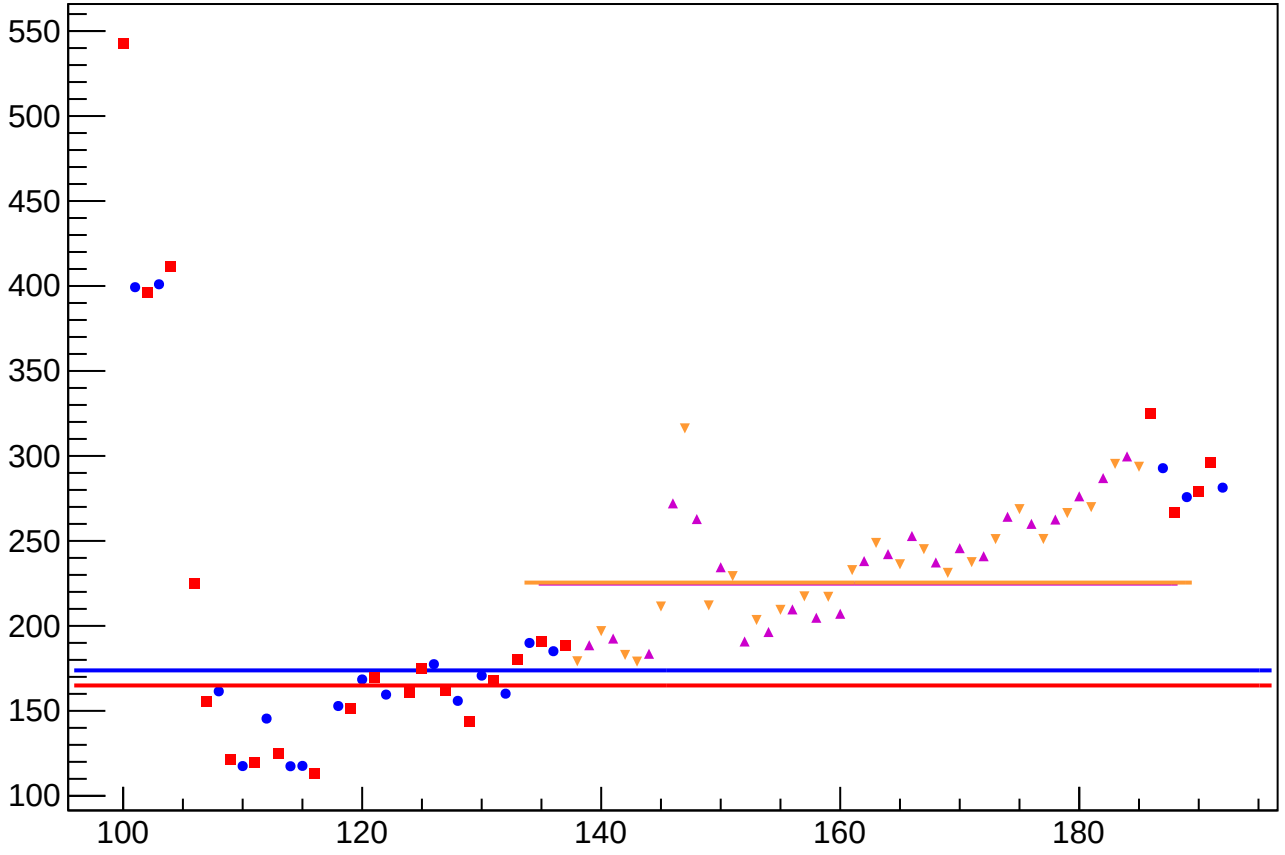
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144183.008+/-0.040 χ^2/NDF: 1372382214.7

All: 144145.233+/-0.028 χ^2/NDF: 26319696

- sign 144108.654+/-0.039 χ^2/NDF: 1257834833.2/

yield_bpm0l07WS_rms vs Slug



Right In: 173.816+/-0.044 χ^2/NDF: 1661617.7/18

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

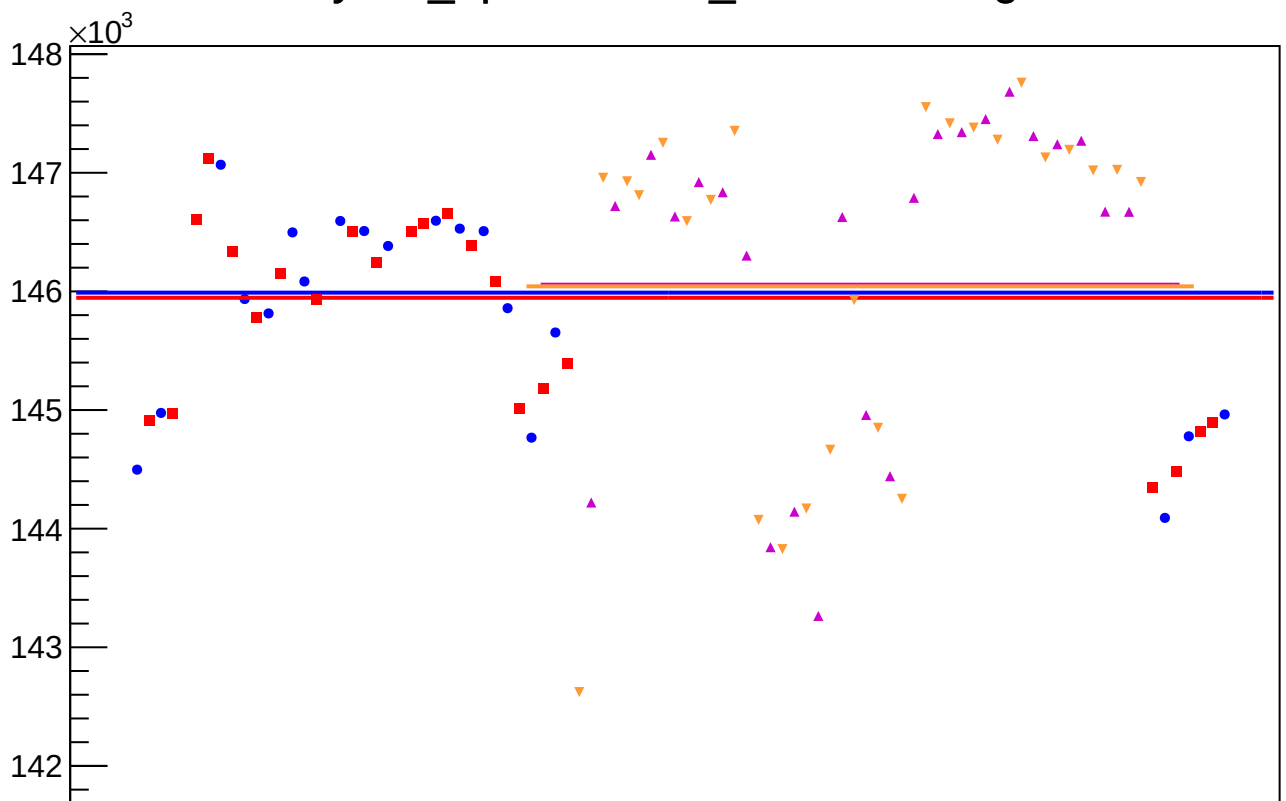
Right Out: 164.943+/-0.041 χ^2/NDF: 2106818.4/22

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 204.167+/-0.028 χ^2/NDF: 3244166.8/43

All: 200.701+/-0.020 χ^2/NDF: 7253622.3/89

- sign 197.344+/-0.028 χ^2/NDF: 3979946.7/45



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

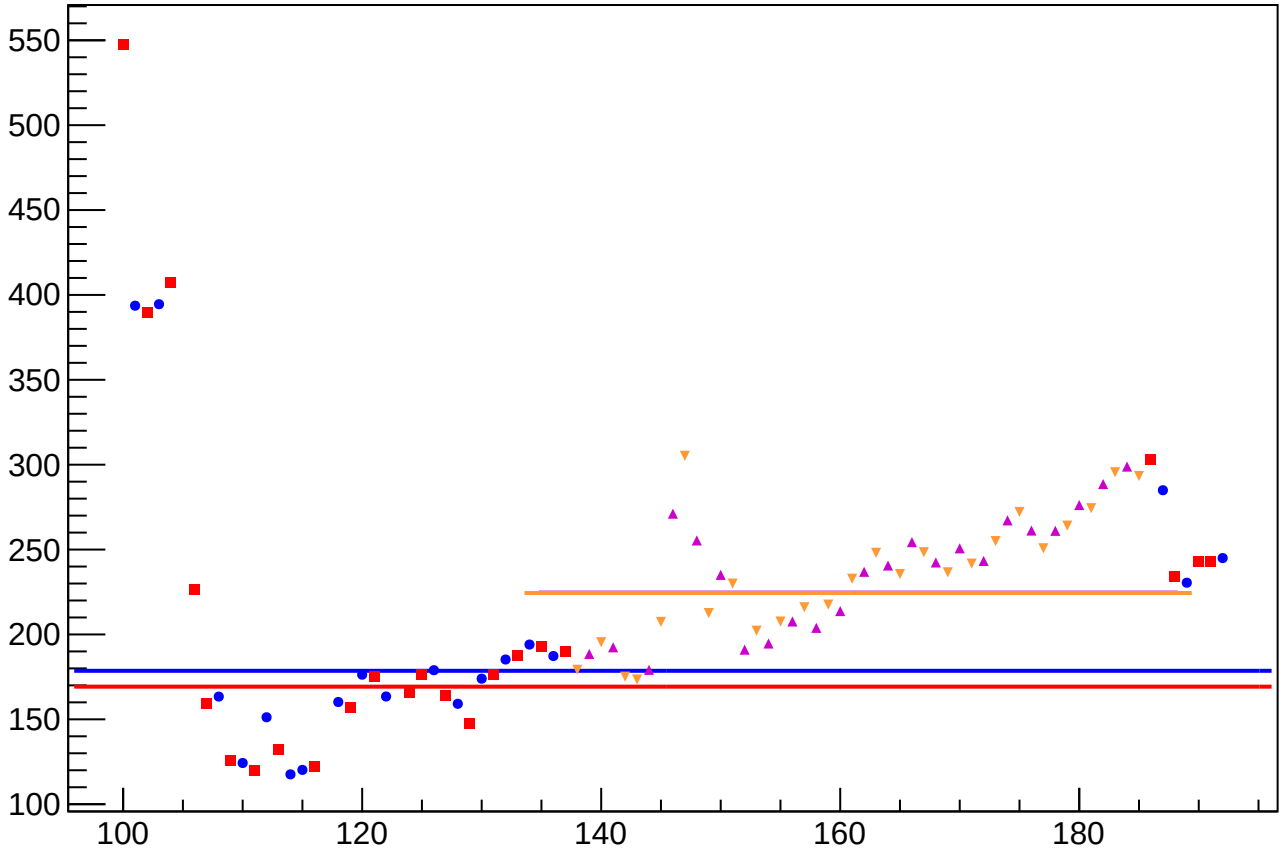
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 146021.333+/-0.040 χ^2/NDF: 999581192.7/4

All: 146013.954+/-0.028 χ^2/NDF: 18406632

- sign 146006.785+/-0.040 χ^2/NDF: 841015726.5/4

yield_bpm0l08WS_rms vs Slug



Right In: 178.586+/-0.045 χ^2/NDF: 1335272.1/18

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

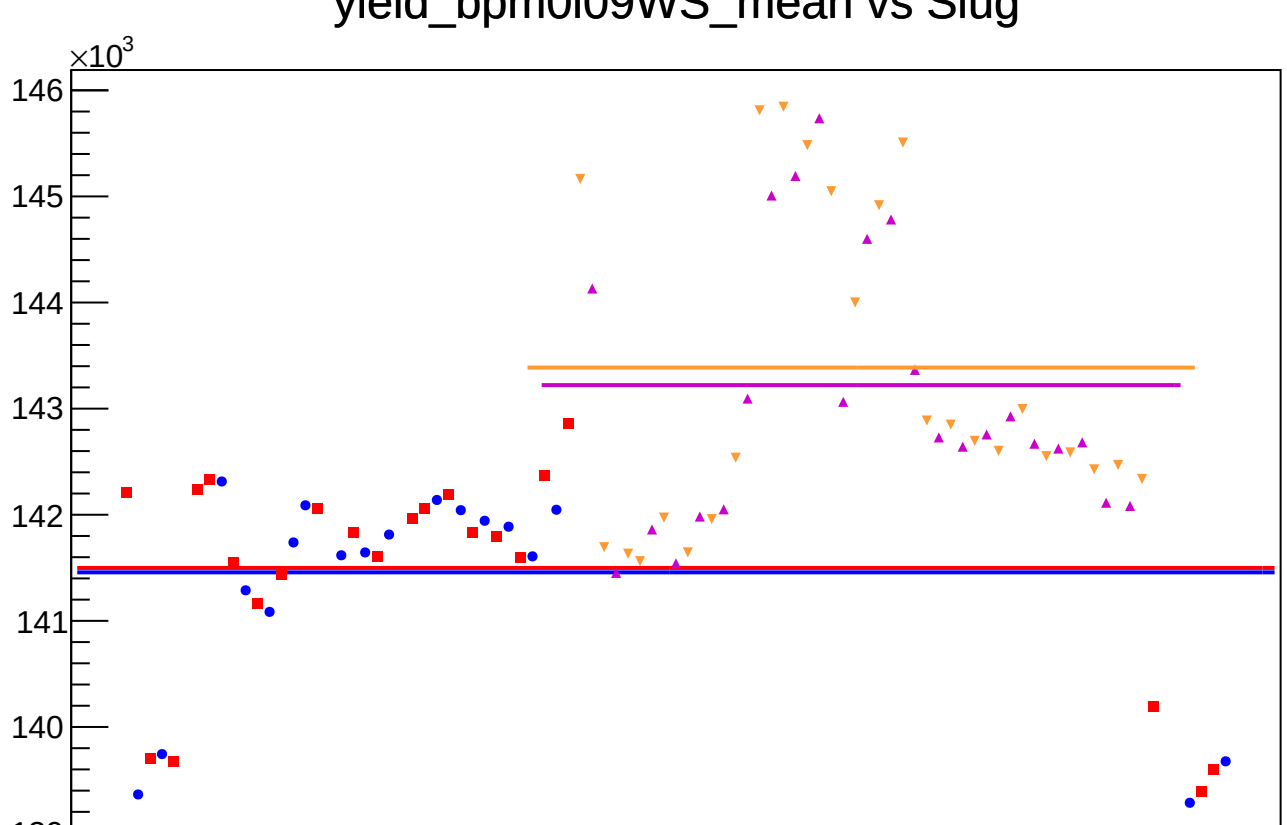
Right Out: 169.250+/-0.042 χ^2/NDF: 1749999.2/22

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 205.987+/-0.028 χ^2/NDF: 2808507.7/43

All: 202.749+/-0.020 χ^2/NDF: 6308663.1/89

- sign 199.603+/-0.028 χ^2/NDF: 3474595.9/45



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

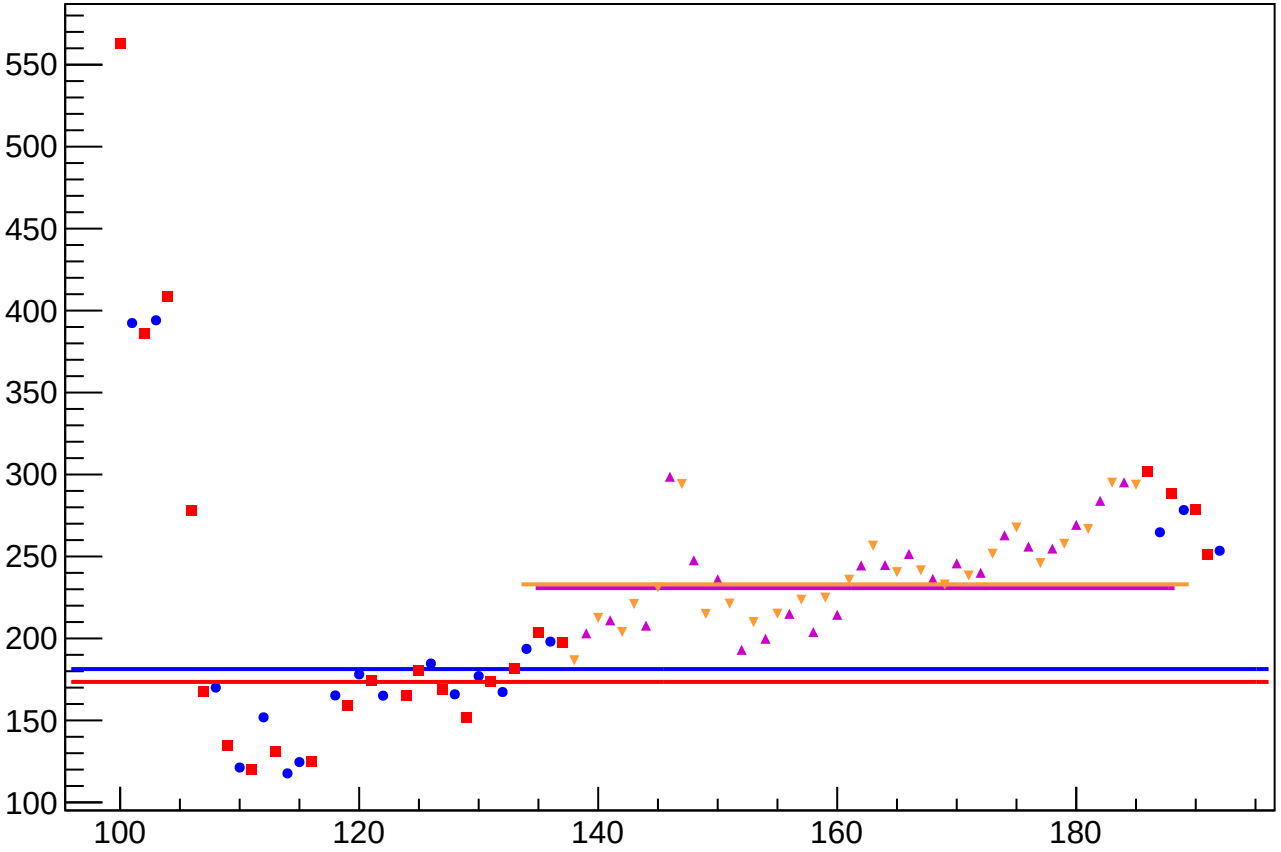
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign 142599.705+/-0.041 χ^2/NDF: 1482784446.9/

All: 142524.006+/-0.029 χ^2/NDF: 26592491

- sign 142450.347+/-0.041 χ^2/NDF: 1169838793.5/

yield_bpm0l09WS_rms vs Slug



Right In: 181.309+/-0.046 χ^2/NDF: 1426557.0/18

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

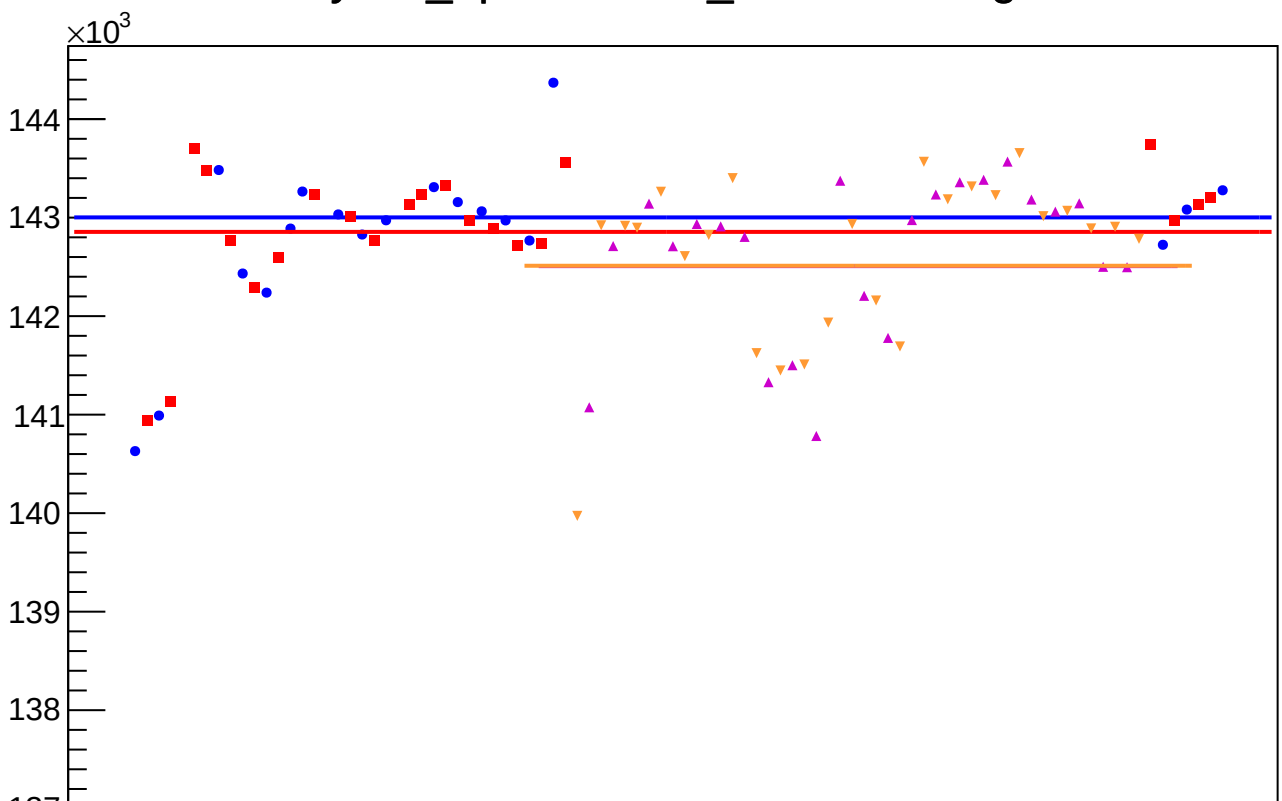
Right Out: 173.493+/-0.043 χ^2/NDF: 1946214.8/22

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 211.918+/-0.029 χ^2/NDF: 2629260.5/43

All: 208.455+/-0.021 χ^2/NDF: 6089711.5/89

- sign 205.085+/-0.029 χ^2/NDF: 3432707.9/45



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

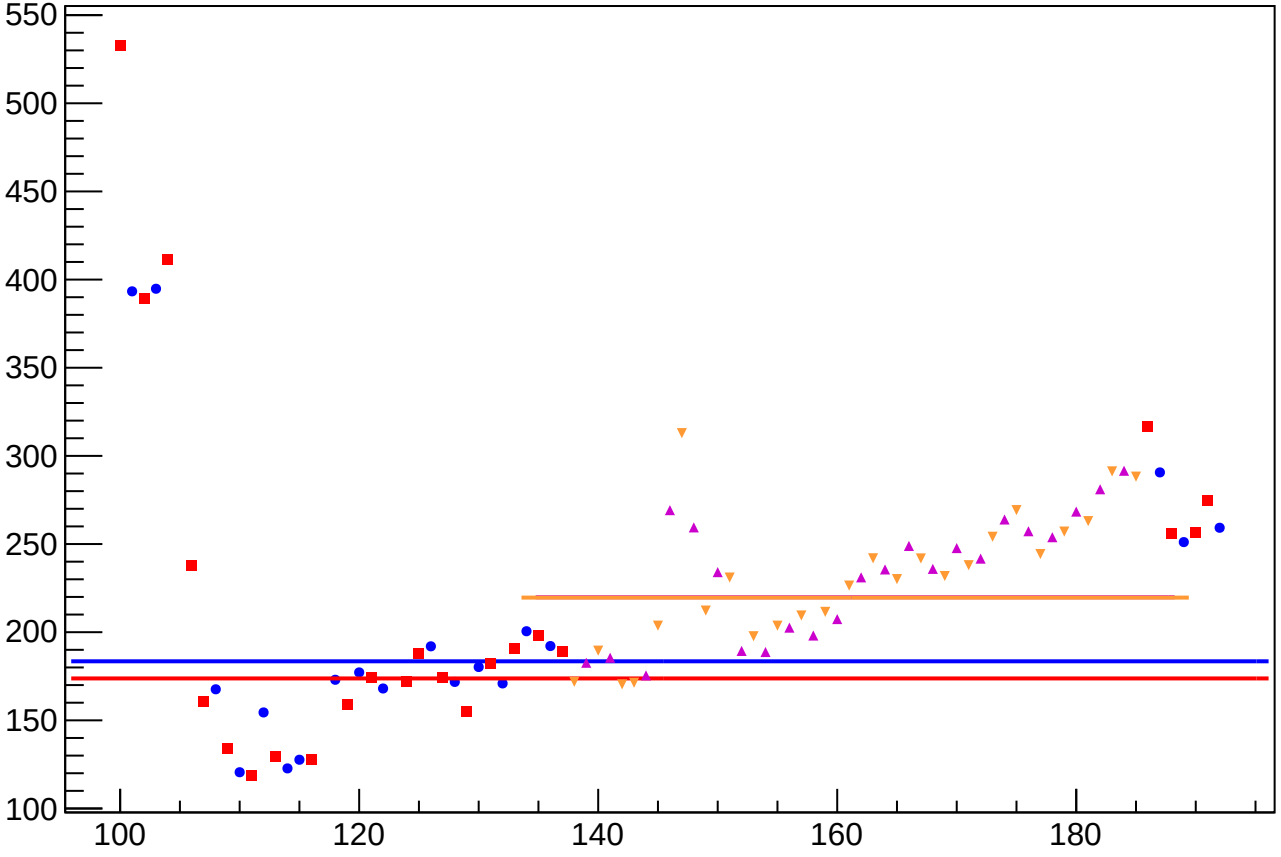
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142696.792+/-0.040 χ^2/NDF: 482300829.8/4

All: 142676.032+/-0.028 χ^2/NDF: 83890433

- sign 142655.748+/-0.040 χ^2/NDF: 356074961.3/4

yield_bpm0l10WS_rms vs Slug



Right In: 183.488+/-0.046 χ^2/NDF: 1374735.0/18

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

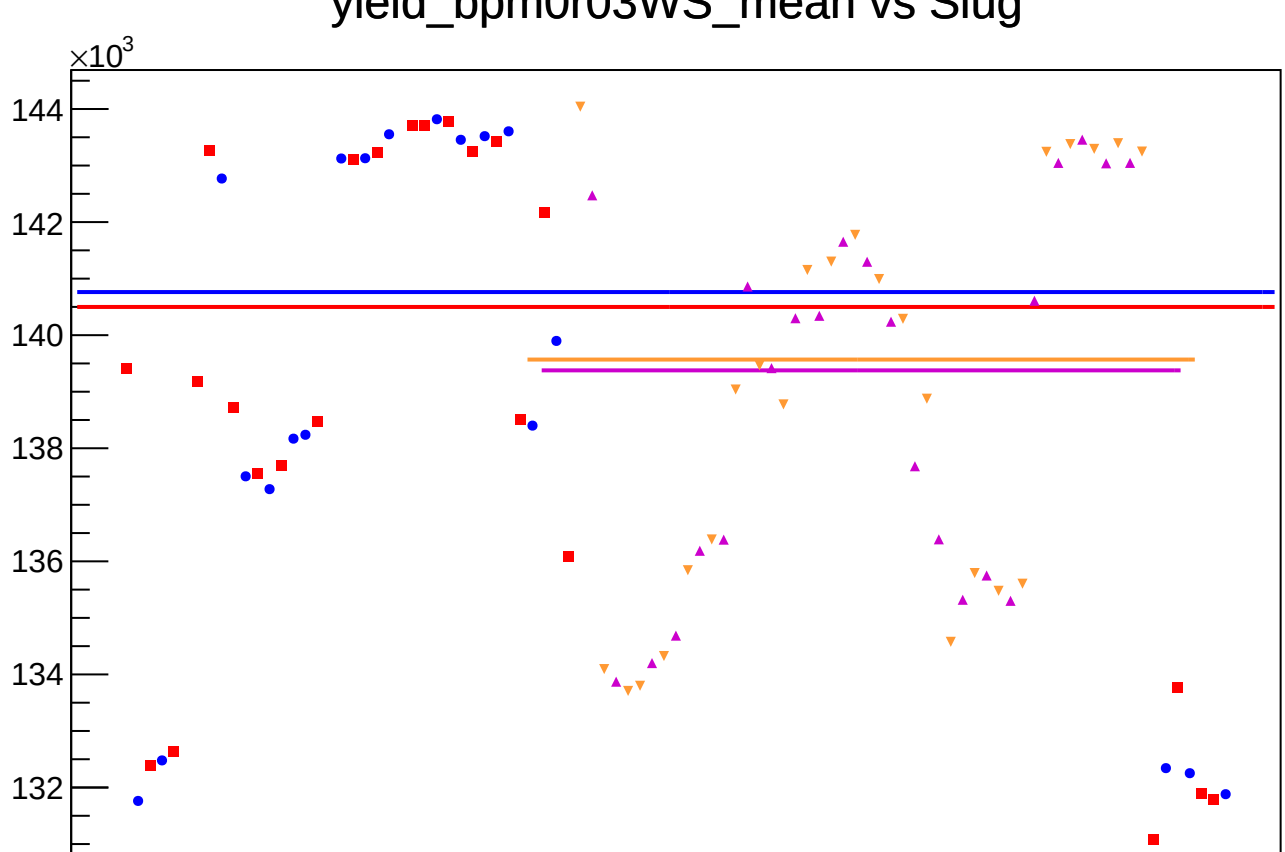
Right Out: 173.768+/-0.043 χ^2/NDF: 1832453.1/22

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 205.971+/-0.028 χ^2/NDF: 2657396.1/43

All: 203.042+/-0.020 χ^2/NDF: 5974792.7/89

- sign 200.181+/-0.028 χ^2/NDF: 3296366.3/45



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

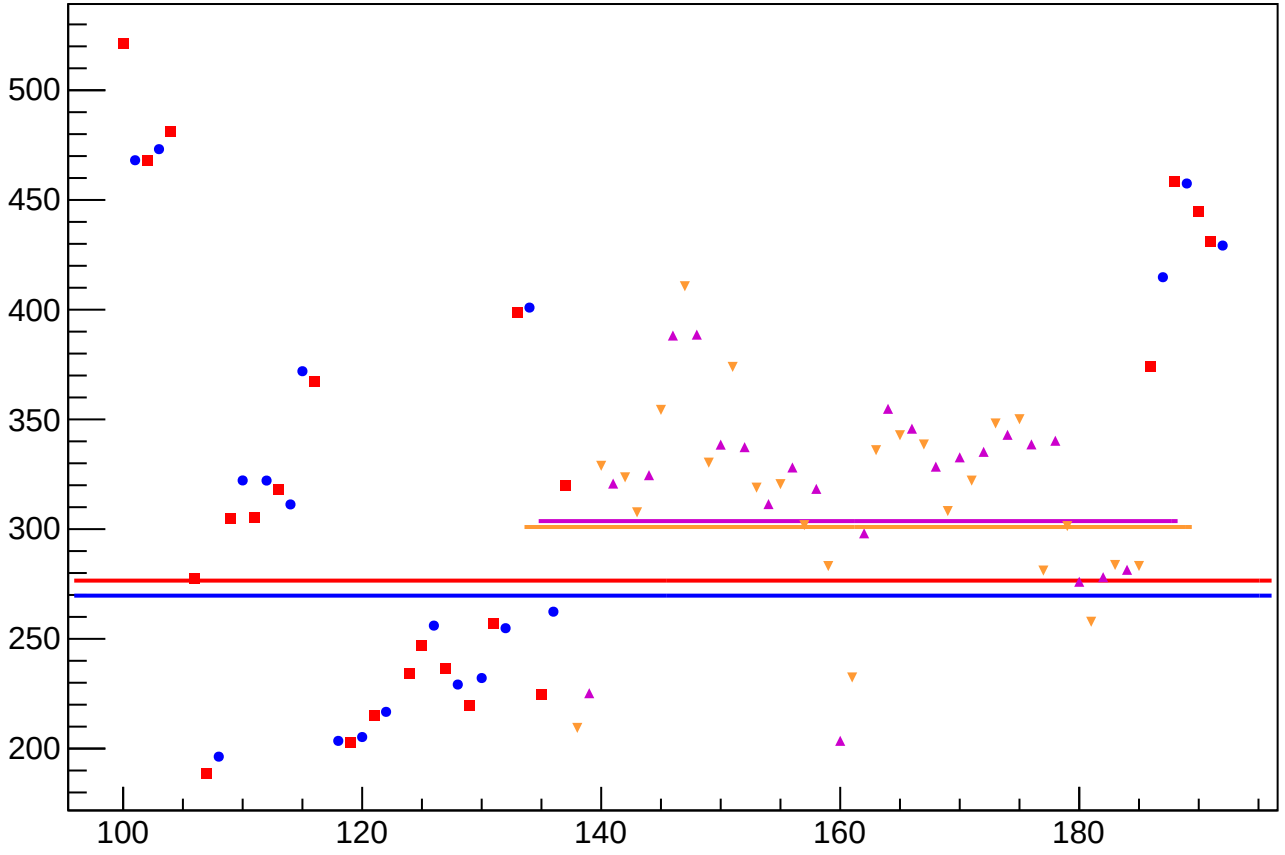
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139979.973+/-0.057 χ^2/NDF: 4360945641.4

All: 139886.150+/-0.041 χ^2/NDF: 80557241

- sign 139787.602+/-0.058 χ^2/NDF: 3689163584.5/

yield_bpm0r03WS_rms vs Slug



Right In: 269.691+/-0.068 χ^2/NDF: 1478598.4/18

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

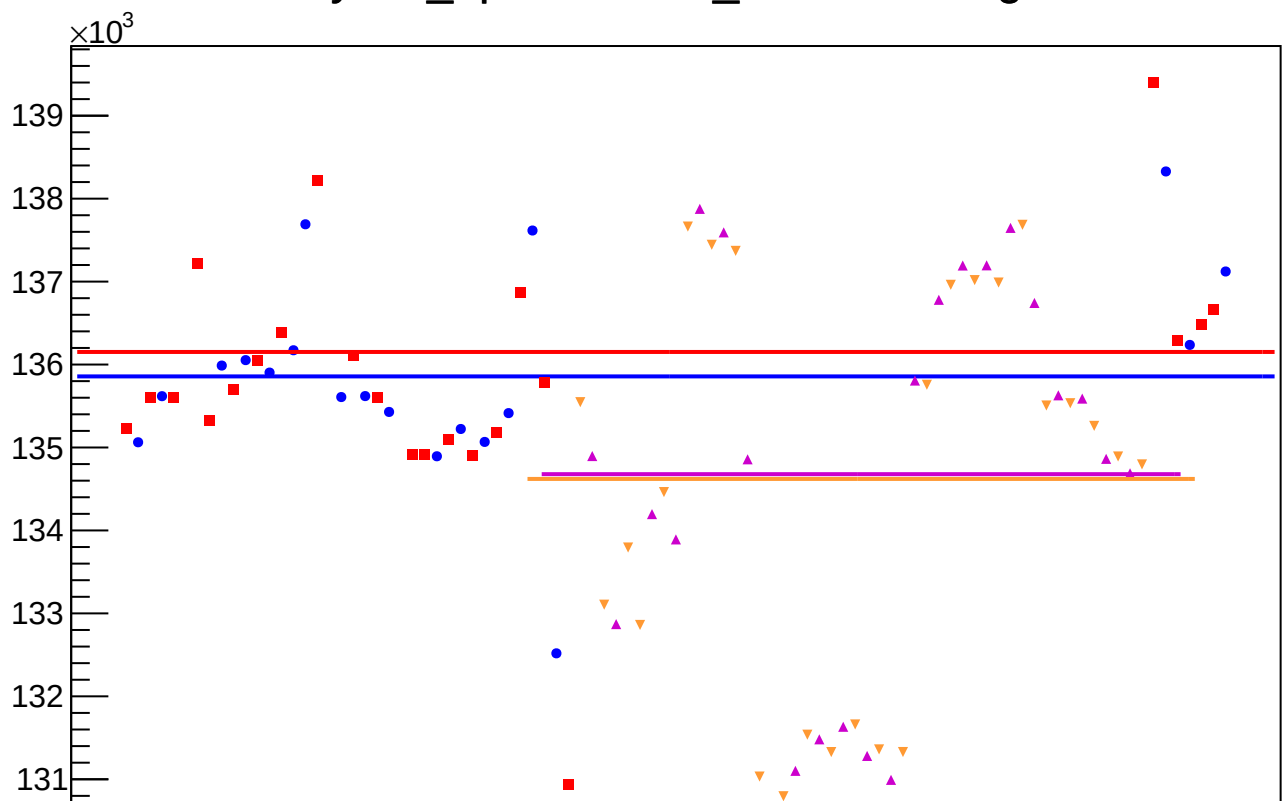
Right Out: 276.542+/-0.068 χ^2/NDF: 1554720.3/22

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

\+ sign 290.191+/-0.040 χ^2/NDF: 2492898.4/43

All: 291.924+/-0.029 χ^2/NDF: 5128727.4/89

\- sign 293.745+/-0.041 χ^2/NDF: 2631996.9/45



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

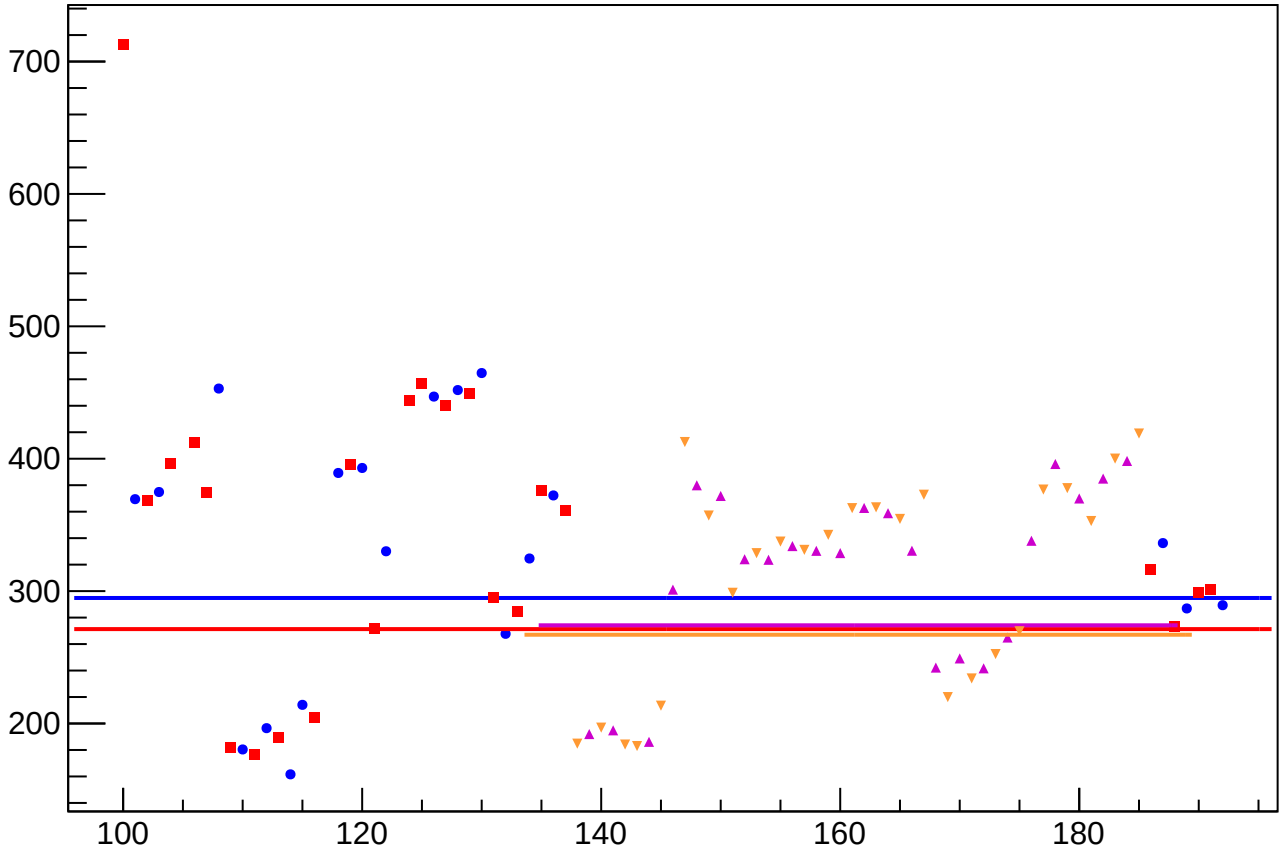
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134954.453+/-0.054 χ^2/NDF: 1432438454.9

All: 135061.482+/-0.039 χ^2/NDF: 28374938

- sign 135169.176+/-0.055 χ^2/NDF: 1397307831.9/

yield_bpm0r05WS_rms vs Slug



Right In: 294.814+/-0.074 χ^2/NDF: 1449559.2/18

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

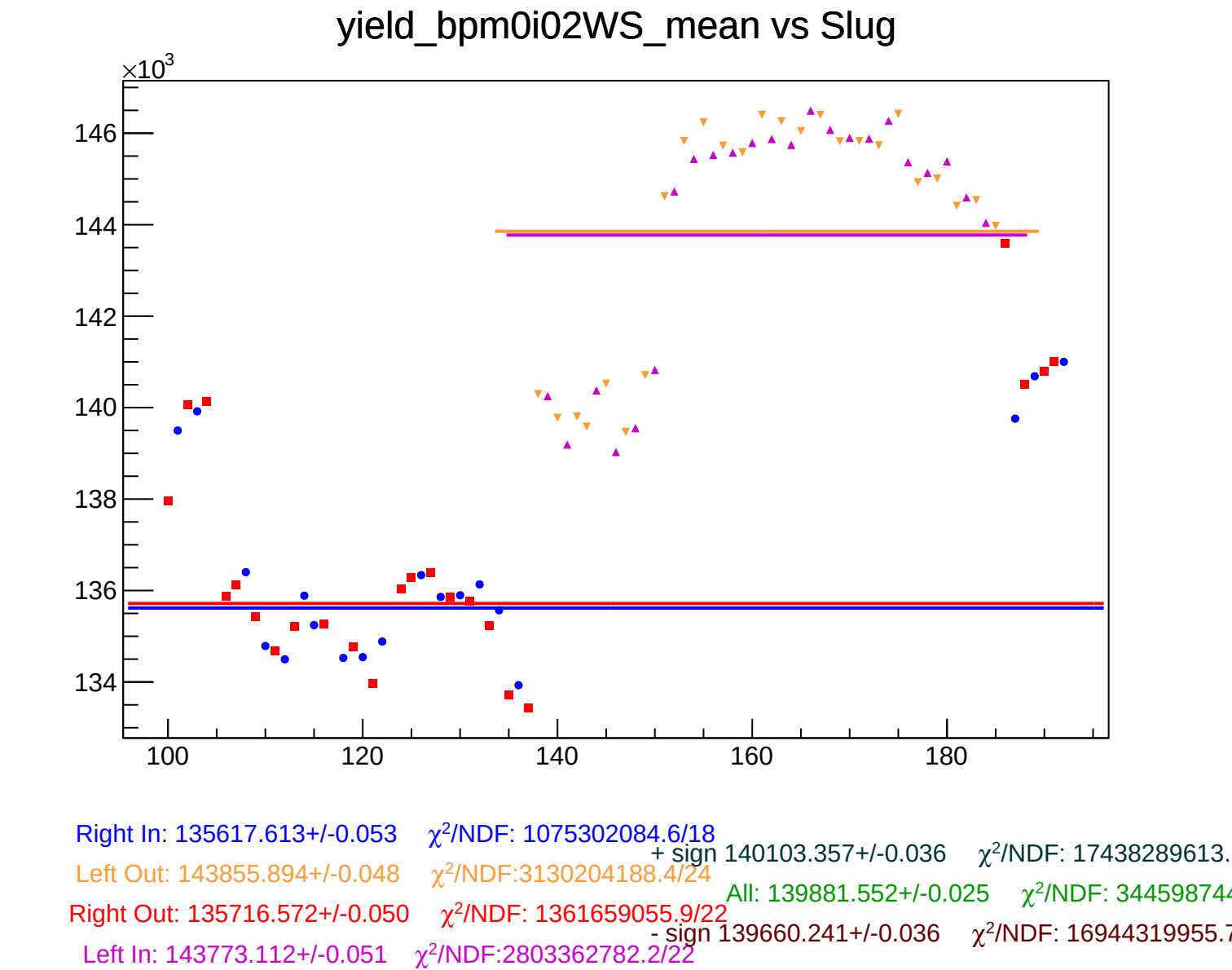
Right Out: 271.305+/-0.067 χ^2/NDF: 1708746.1/22

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

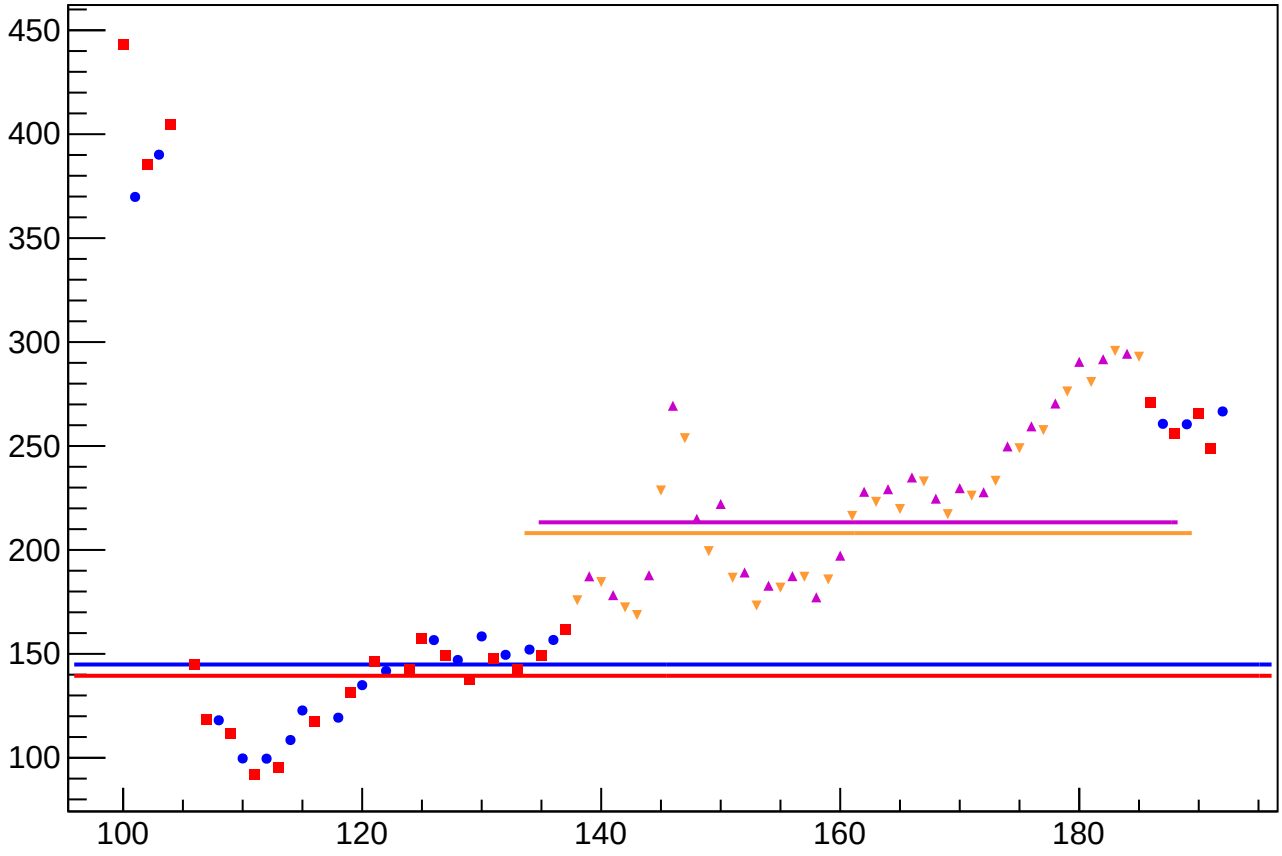
+ sign 274.543+/-0.039 χ^2/NDF: 4395228.5/43

All: 273.884+/-0.027 χ^2/NDF: 8342545.2/89

- sign 273.220+/-0.039 χ^2/NDF: 3946729.3/45


yield_bpm0i02WS_mean vs Slug
×10^3
146
144
142
140
138
136
134
100
120
140
160
180
Right In: 135617.613+/-0.053 χ²/NDF: 1075302084.6/18
Left Out: 143855.894+/-0.048 χ²/NDF:3130204188.4/24
Right Out: 135716.572+/-0.050 χ²/NDF: 1361659055.9/22
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
+ sign 140103.357+/-0.036 χ²/NDF: 17438289613.
All: 139881.552+/-0.025 χ²/NDF: 34459874
- sign 139660.241+/-0.036 χ²/NDF: 16944319955.7

yield_bpm0i02WS_rms vs Slug



Right In: 144.889+/-0.037 χ^2/NDF: 2118132.7/18

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

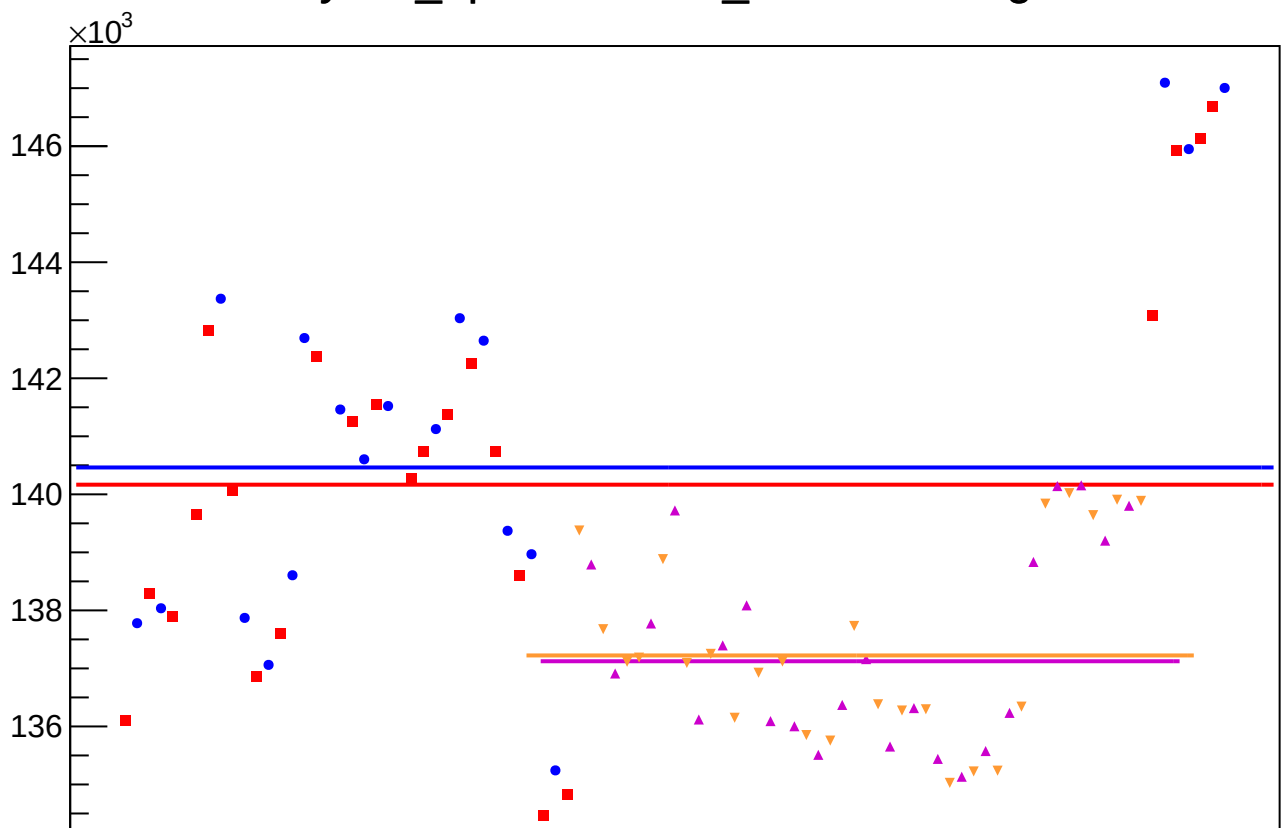
Right Out: 139.463+/-0.035 χ^2/NDF: 2417529.4/22

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 179.307+/-0.025 χ^2/NDF: 4669263.3/43

All: 177.452+/-0.018 χ^2/NDF: 10109174.5/89

- sign 175.600+/-0.025 χ^2/NDF: 5429095.8/45



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

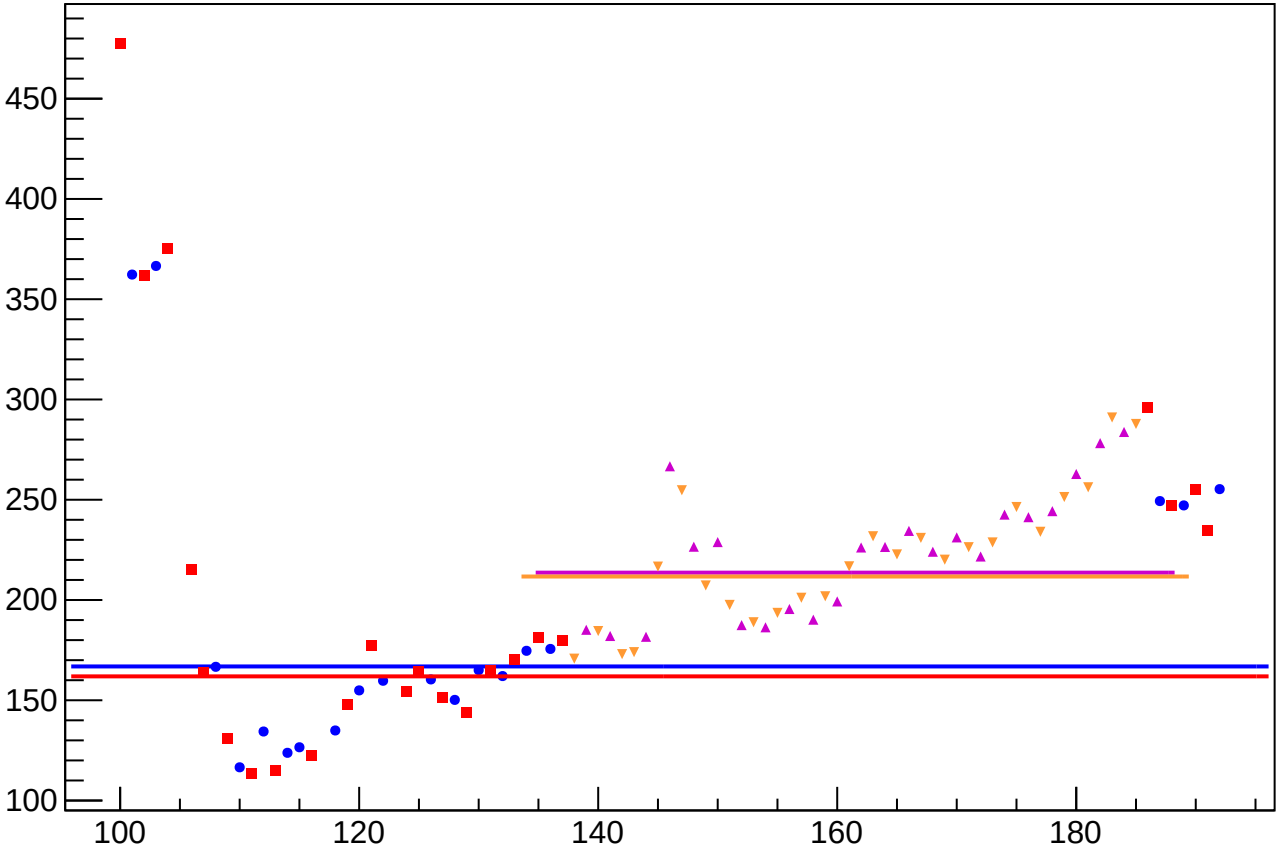
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138531.925+/-0.038 χ^2/NDF: 5446837472.6

All: 138505.537+/-0.027 χ^2/NDF: 10401344

- sign 138479.095+/-0.038 χ^2/NDF: 4953534496.2/

yield_bpm0i02aWS_rms vs Slug



Right In: 166.868+/-0.042 χ^2/NDF: 1439987.8/18

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

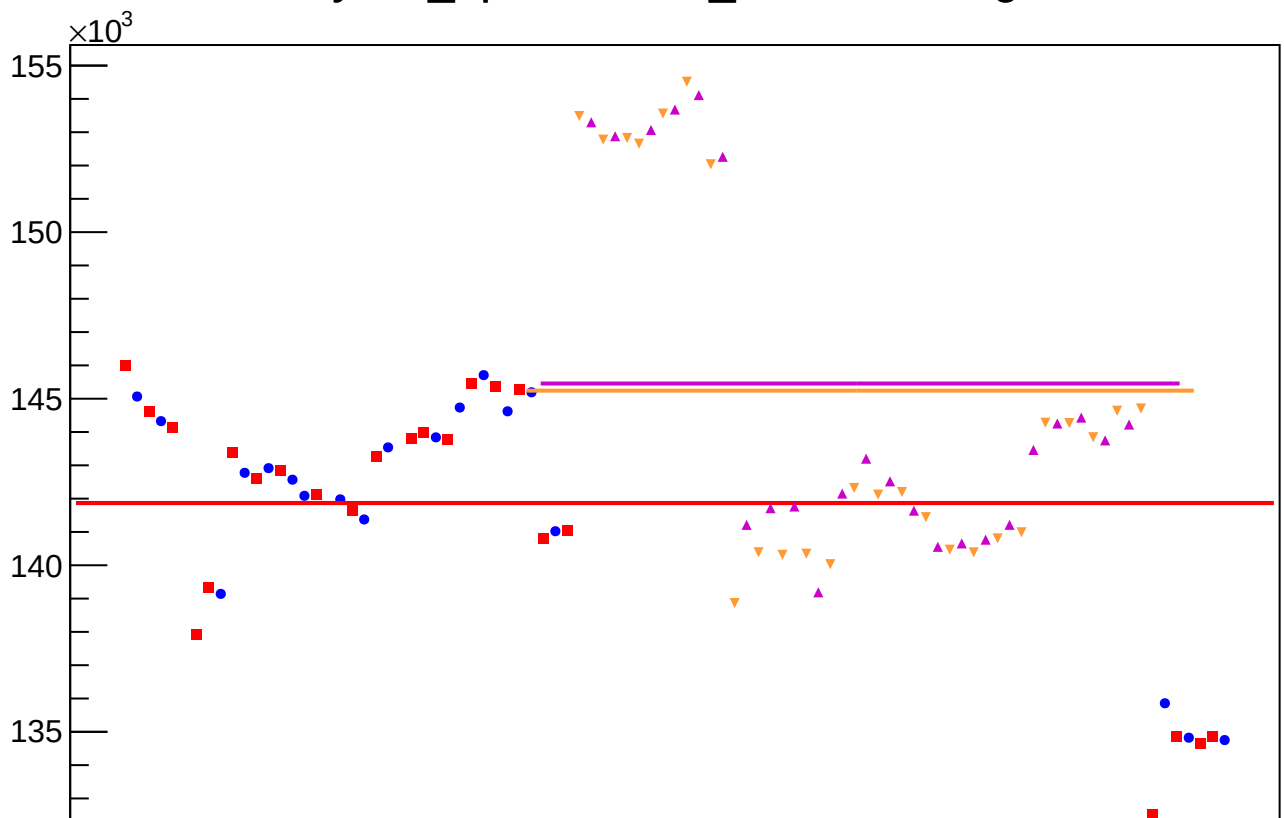
Right Out: 161.917+/-0.040 χ^2/NDF: 1810409.0/22

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 193.603+/-0.027 χ^2/NDF: 2790832.3/43

All: 192.102+/-0.019 χ^2/NDF: 6148637.2/89

- sign 190.599+/-0.027 χ^2/NDF: 3351519.2/45



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

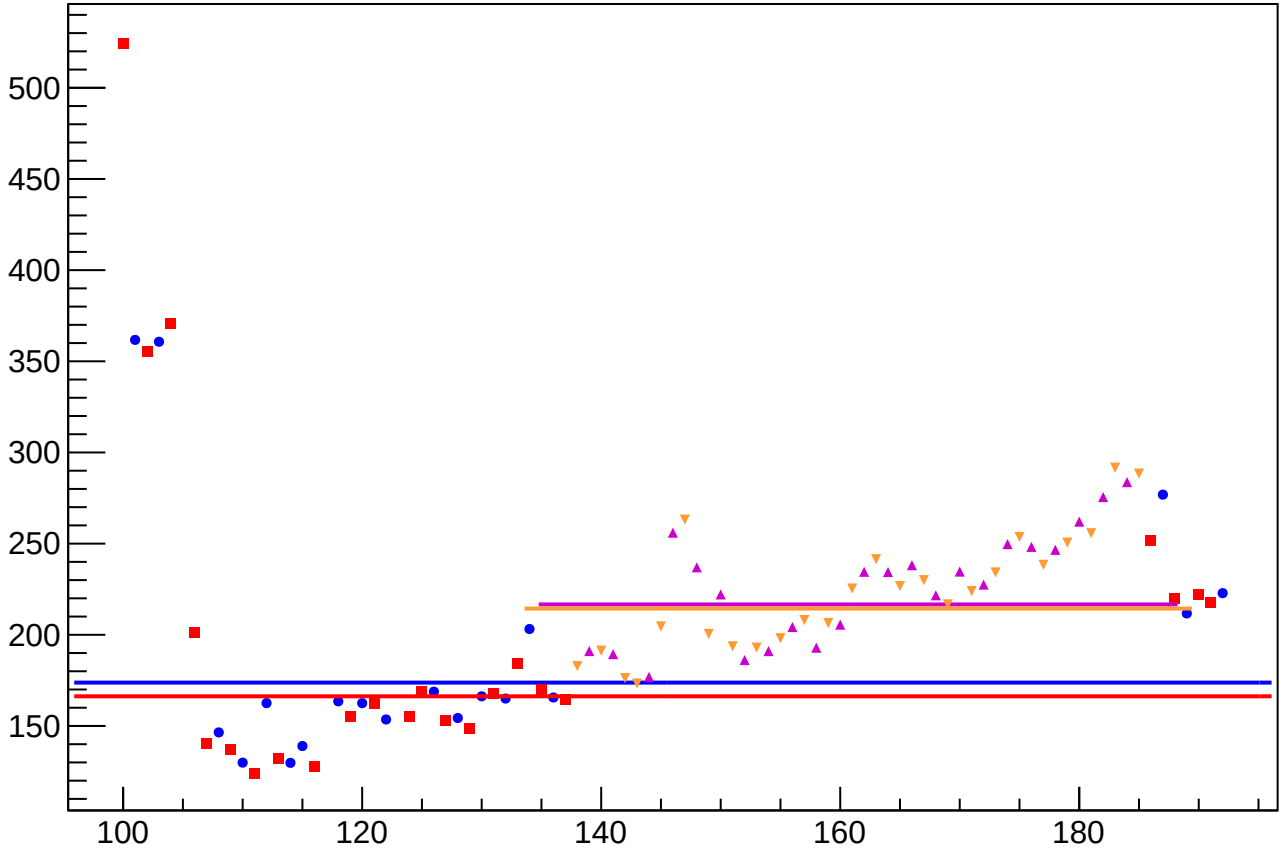
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143909.476+/-0.039 χ^2/NDF: 17521528084.

All: 143883.247+/-0.027 χ^2/NDF: 33968138

- sign 143857.259+/-0.038 χ^2/NDF: 16445690929.

yield_bpm0i05WS_rms vs Slug



Right In: 173.784+/-0.043 χ^2/NDF: 1066277.0/18

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

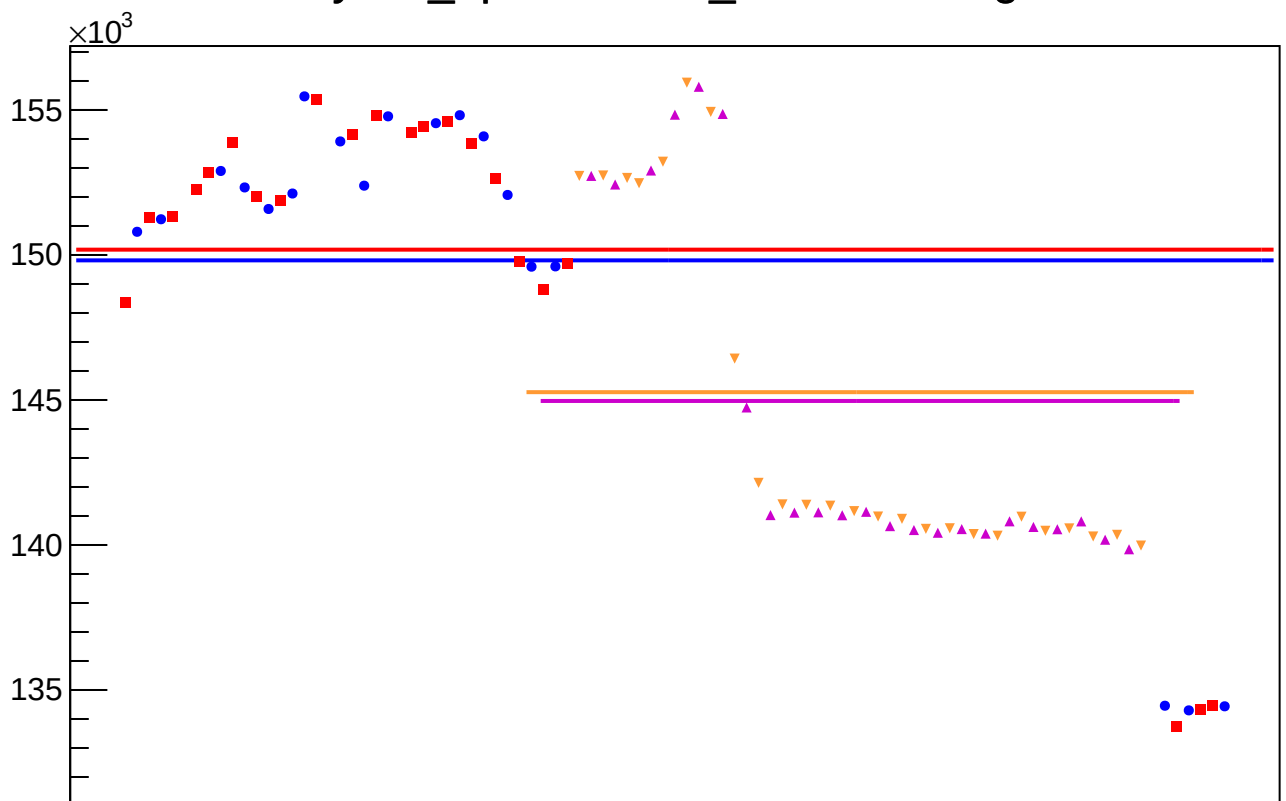
Right Out: 166.270+/-0.041 χ^2/NDF: 1334589.9/22

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 198.341+/-0.027 χ^2/NDF: 2239076.8/43

All: 196.265+/-0.019 χ^2/NDF: 5022486.6/89

- sign 194.209+/-0.027 χ^2/NDF: 2771894.3/45



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

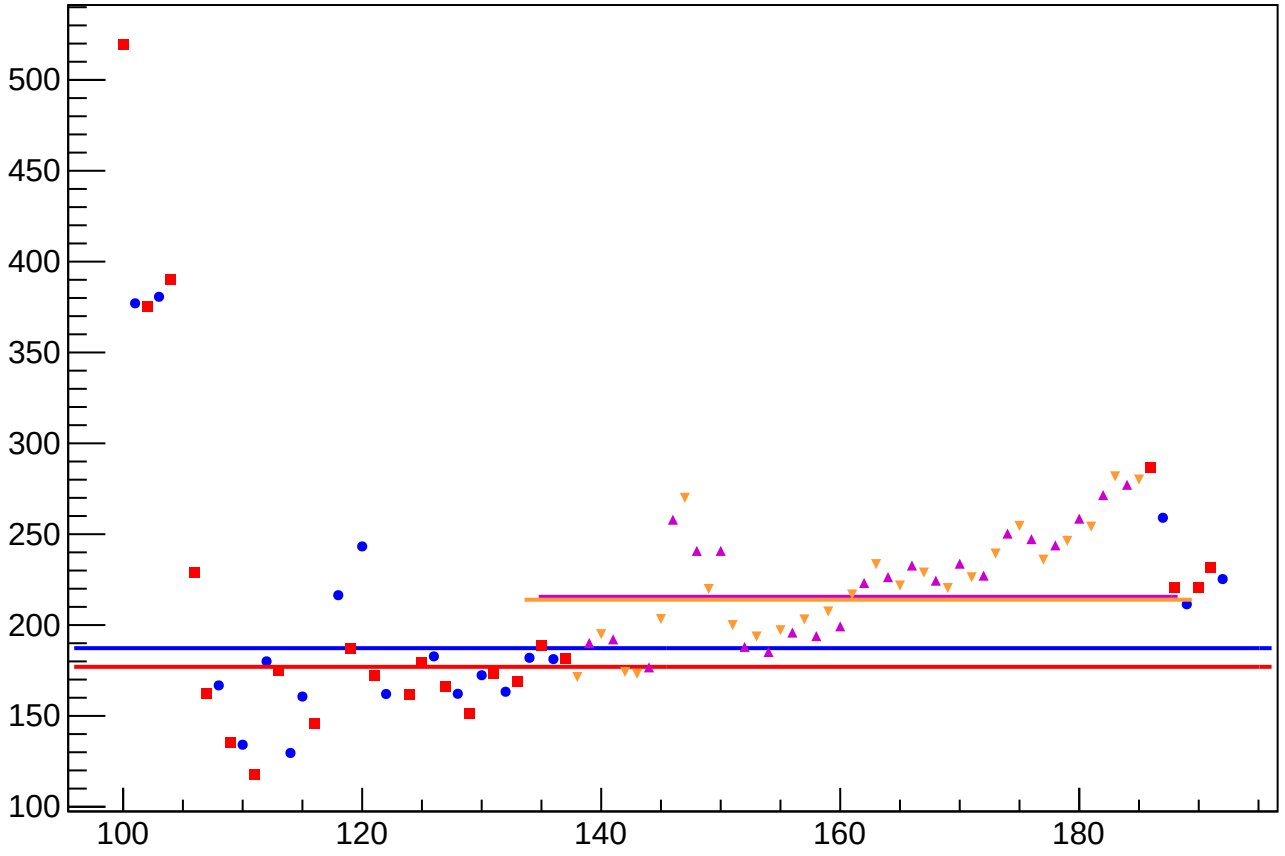
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 146872.049+/-0.040 χ^2/NDF: 26755182251.

All: 146979.650+/-0.028 χ^2/NDF: 56461838

- sign 147085.728+/-0.039 χ^2/NDF: 29692097235.

yield_bpm0i07WS_rms vs Slug



Right In: 187.286+/-0.047 χ^2/NDF: 1019683.6/18

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

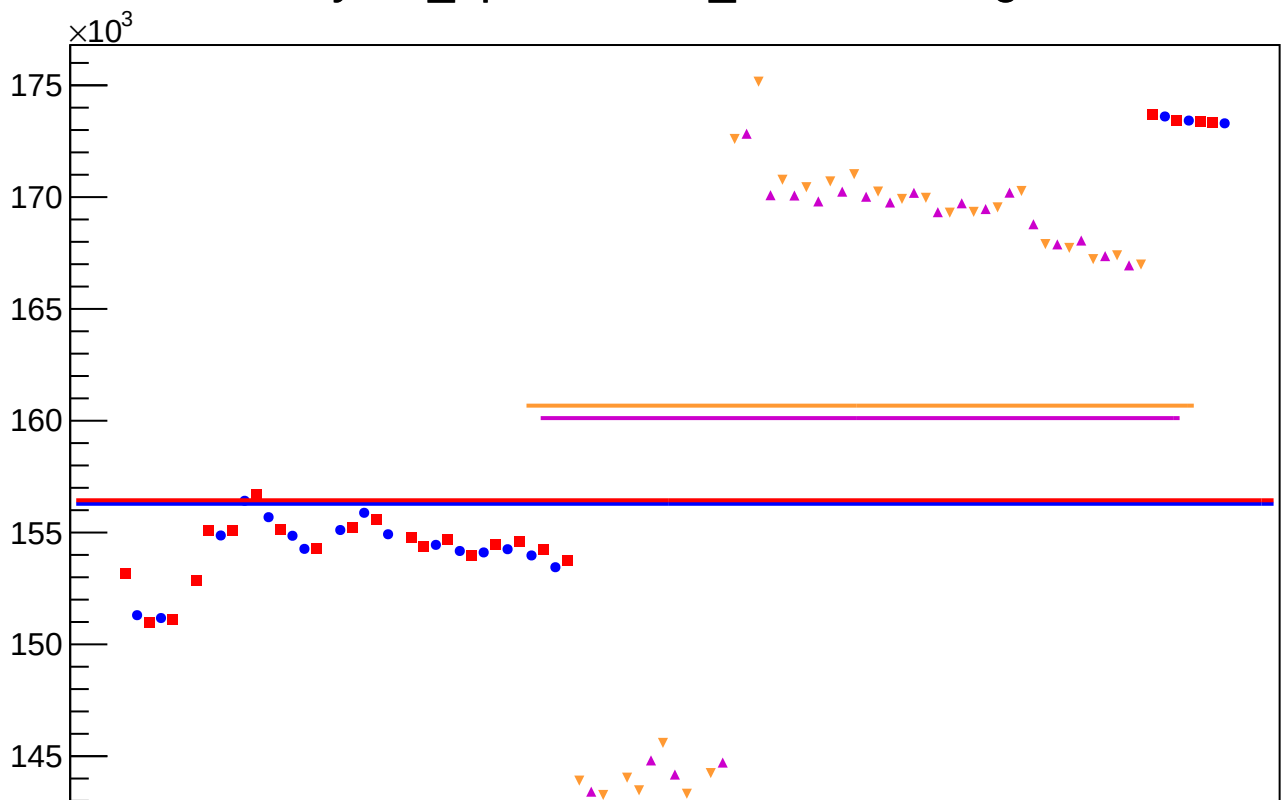
Right Out: 177.010+/-0.044 χ^2/NDF: 1371407.1/22

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 204.550+/-0.028 χ^2/NDF: 1875833.7/43

All: 202.203+/-0.020 χ^2/NDF: 4321633.0/89

- sign 199.888+/-0.028 χ^2/NDF: 2431938.7/45



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

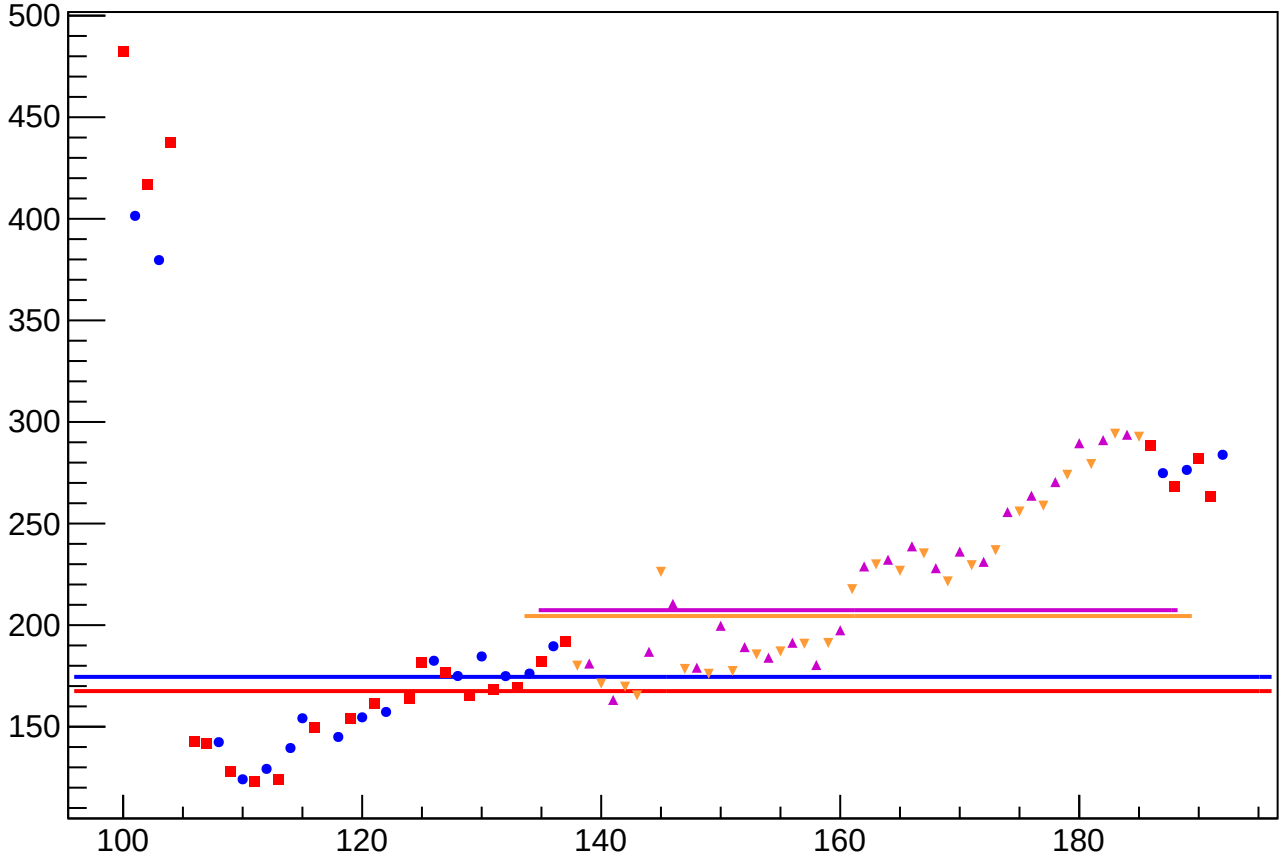
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 159070.242+/-0.038 χ^2/NDF: 84378348317.

All: 158825.883+/-0.027 χ^2/NDF: 16187529

- sign 158582.234+/-0.038 χ^2/NDF: 77413249200.

yield_bpm1i02WS_rms vs Slug



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

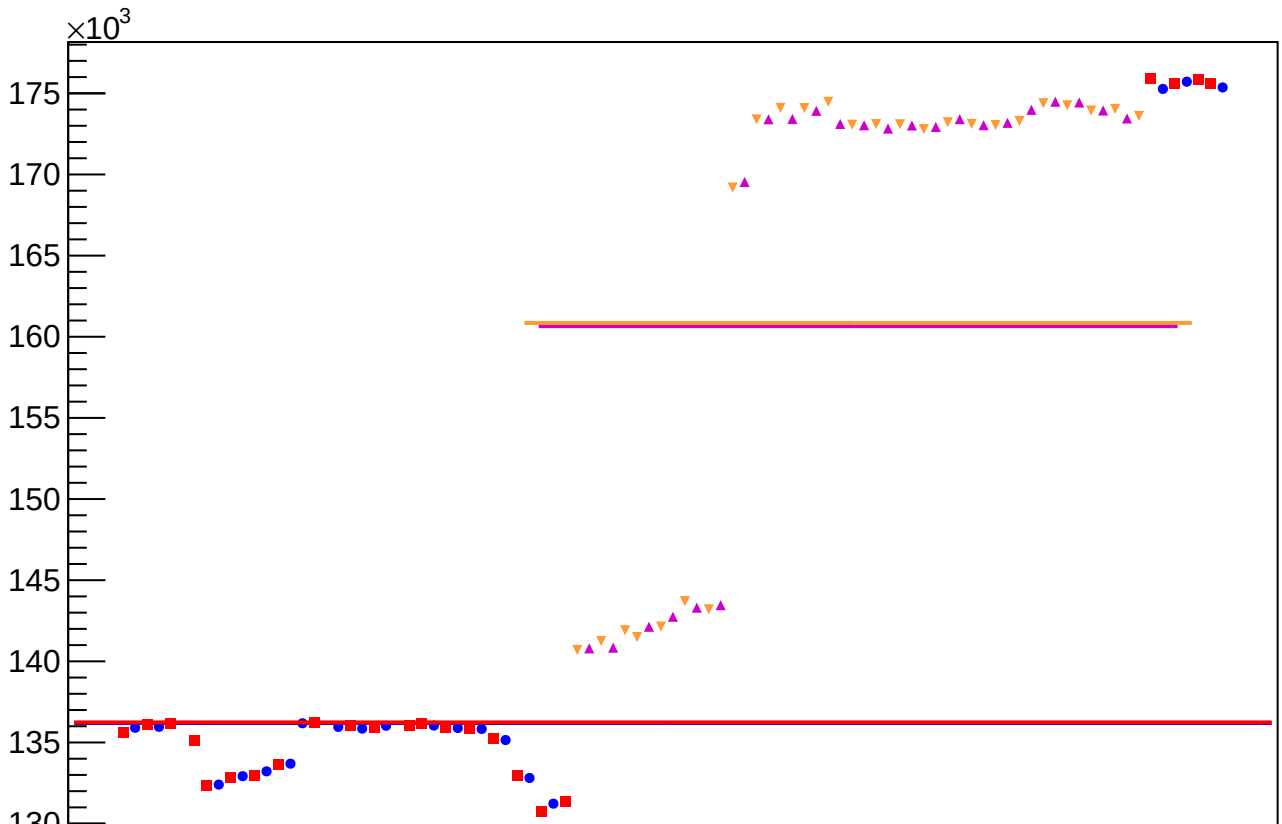
Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 193.526+/-0.027 χ^2/NDF: 2961637.9/43

All: 192.124+/-0.019 χ^2/NDF: 6365204.4/89

- sign 190.725+/-0.027 χ^2/NDF: 3398051.1/45

yield_bpm1i04WS_mean vs Slug



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

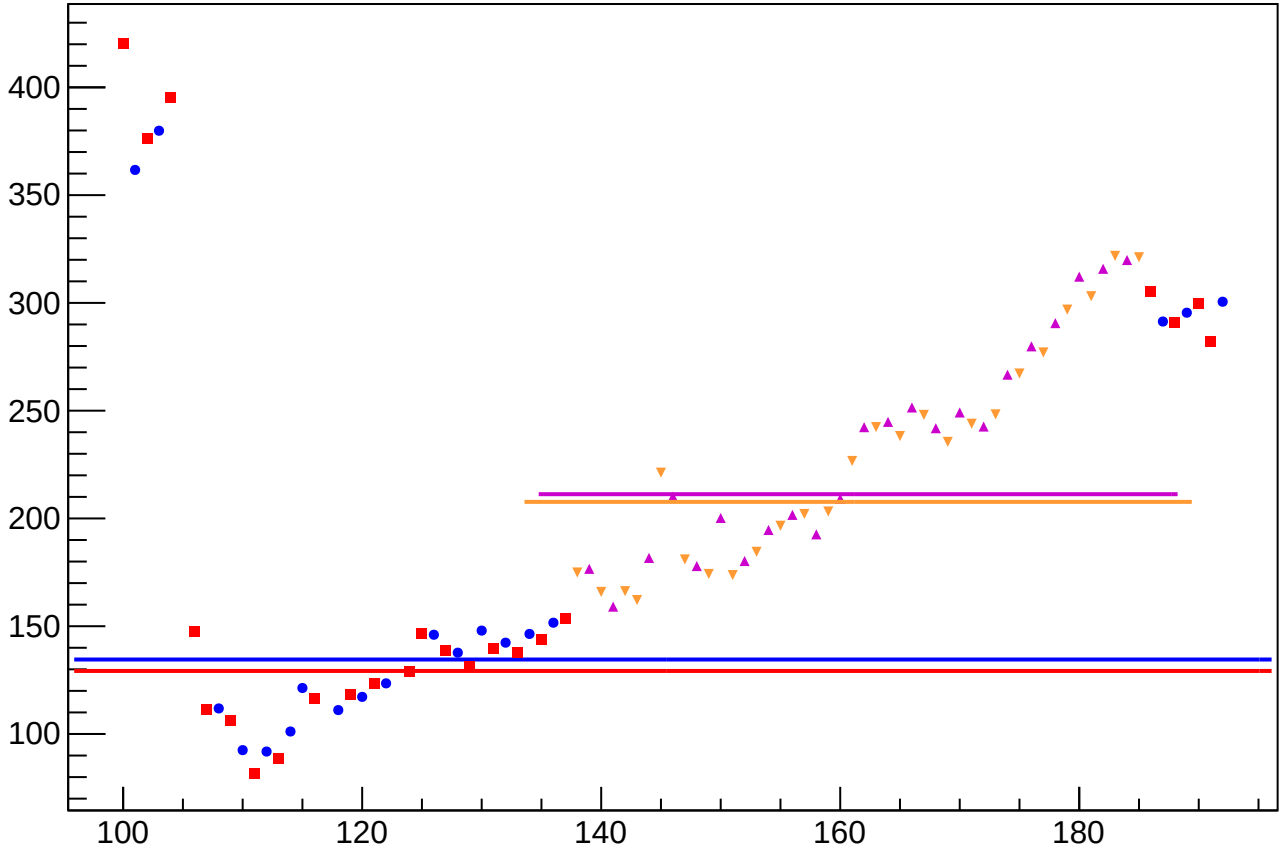
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 148825.903+/-0.035 χ^2/NDF: 257413320220

All: 148150.546+/-0.024 χ^2/NDF: 51185991

- sign 147487.136+/-0.034 χ^2/NDF: 253693937365

yield_bpm1i04WS_rms vs Slug



Right In: 134.553+/-0.035 χ^2/NDF: 2539120.1/18

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

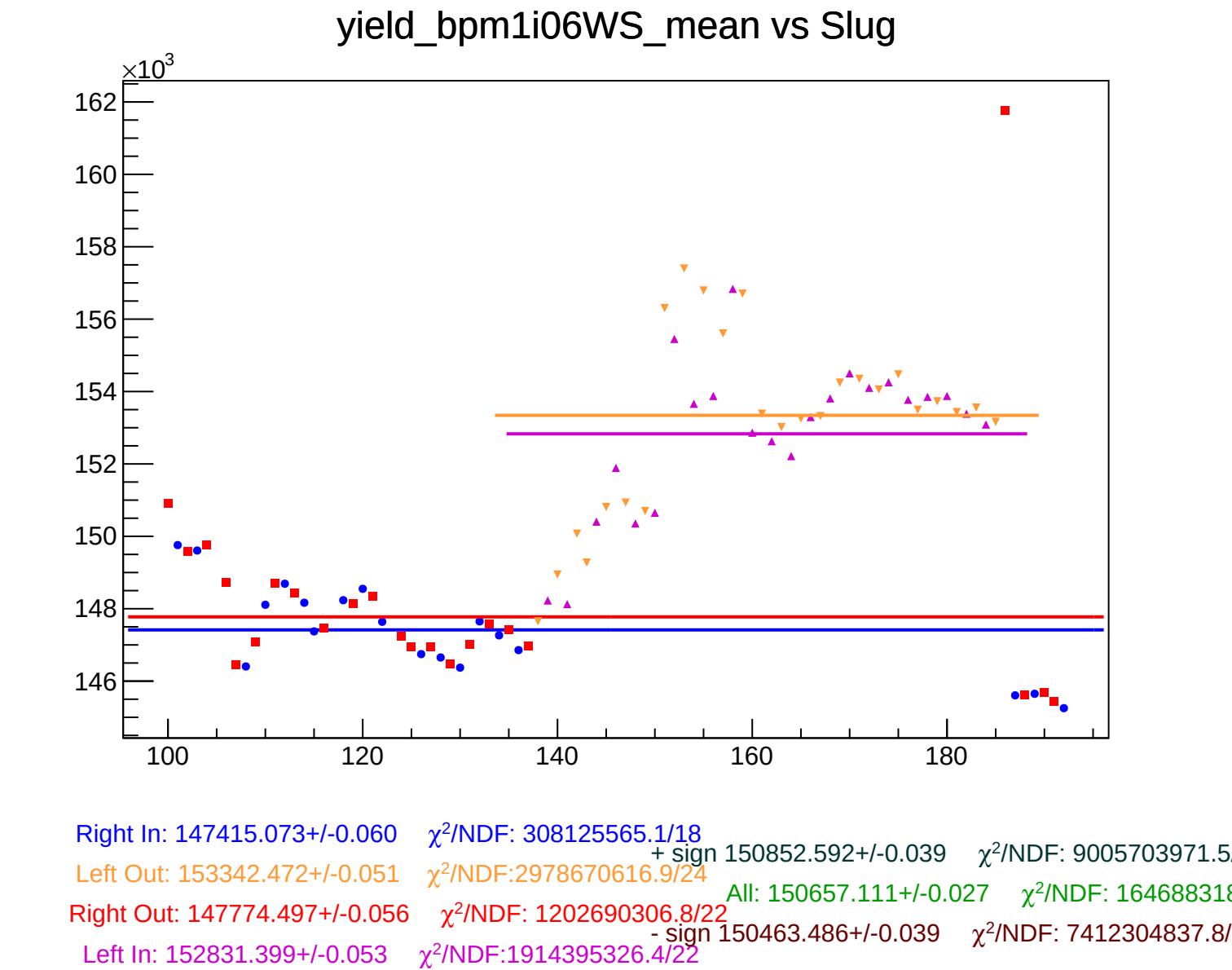
Right Out: 129.246+/-0.033 χ^2/NDF: 2918390.6/22

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

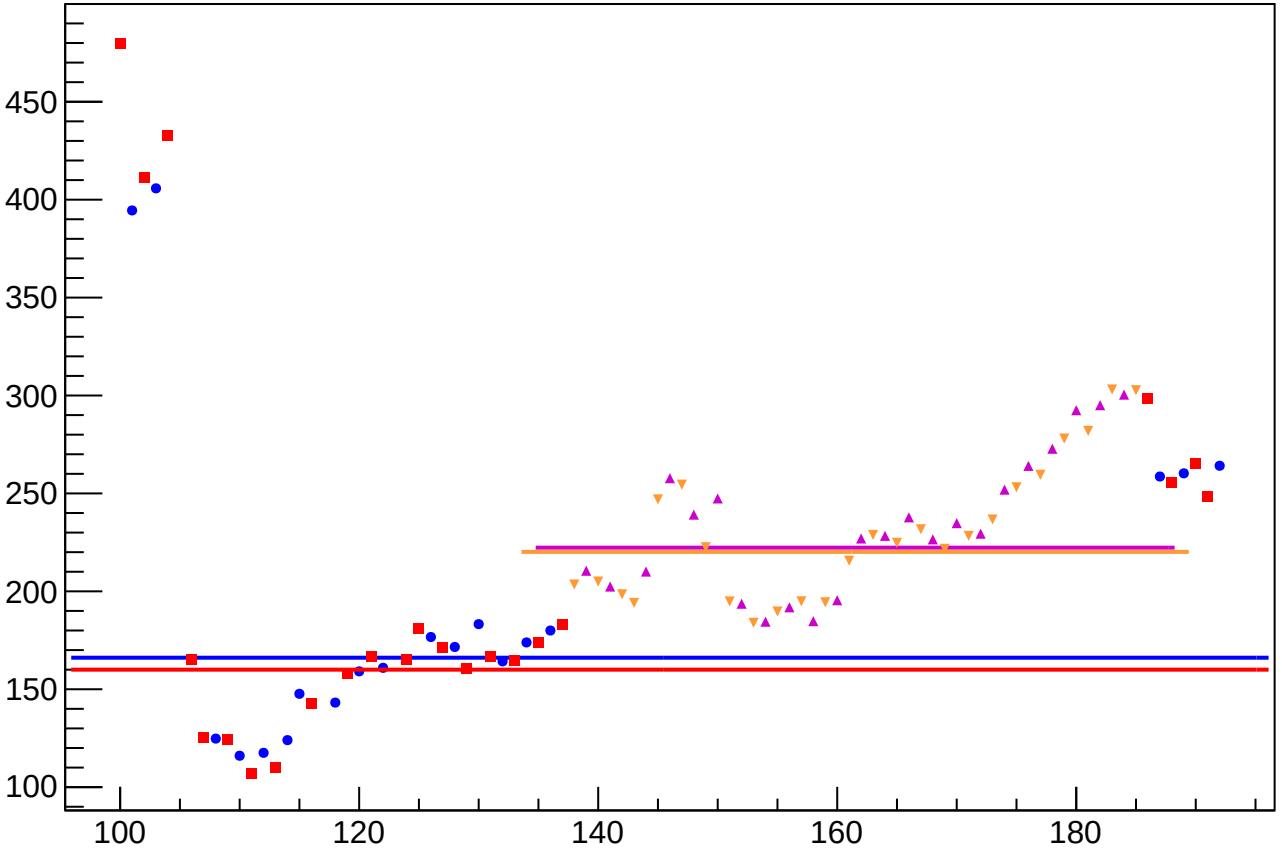
+ sign 172.012+/-0.025 χ^2/NDF: 6264851.2/43

All: 169.500+/-0.017 χ^2/NDF: 13341939.2/89

- sign 167.032+/-0.024 χ^2/NDF: 7056260.4/45


yield_bpm1i06WS_mean vs Slug
×10^3
162
160
158
156
154
152
150
148
146
100
120
140
160
180
Right In: 147415.073+/-0.060 χ²/NDF: 308125565.1/18
Left Out: 153342.472+/-0.051 χ²/NDF:2978670616.9/24
Right Out: 147774.497+/-0.056 χ²/NDF: 1202690306.8/22
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
+ sign 150852.592+/-0.039 χ²/NDF: 9005703971.5
All: 150657.111+/-0.027 χ²/NDF: 16468831
- sign 150463.486+/-0.039 χ²/NDF: 7412304837.8/

yield_bpm1i06WS_rms vs Slug



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

\+ sign 197.452+/-0.027 χ^2/NDF: 3398147.2/43

All: 195.282+/-0.019 χ^2/NDF: 7533568.7/89

\- sign 193.132+/-0.027 χ^2/NDF: 4122892.0/45

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

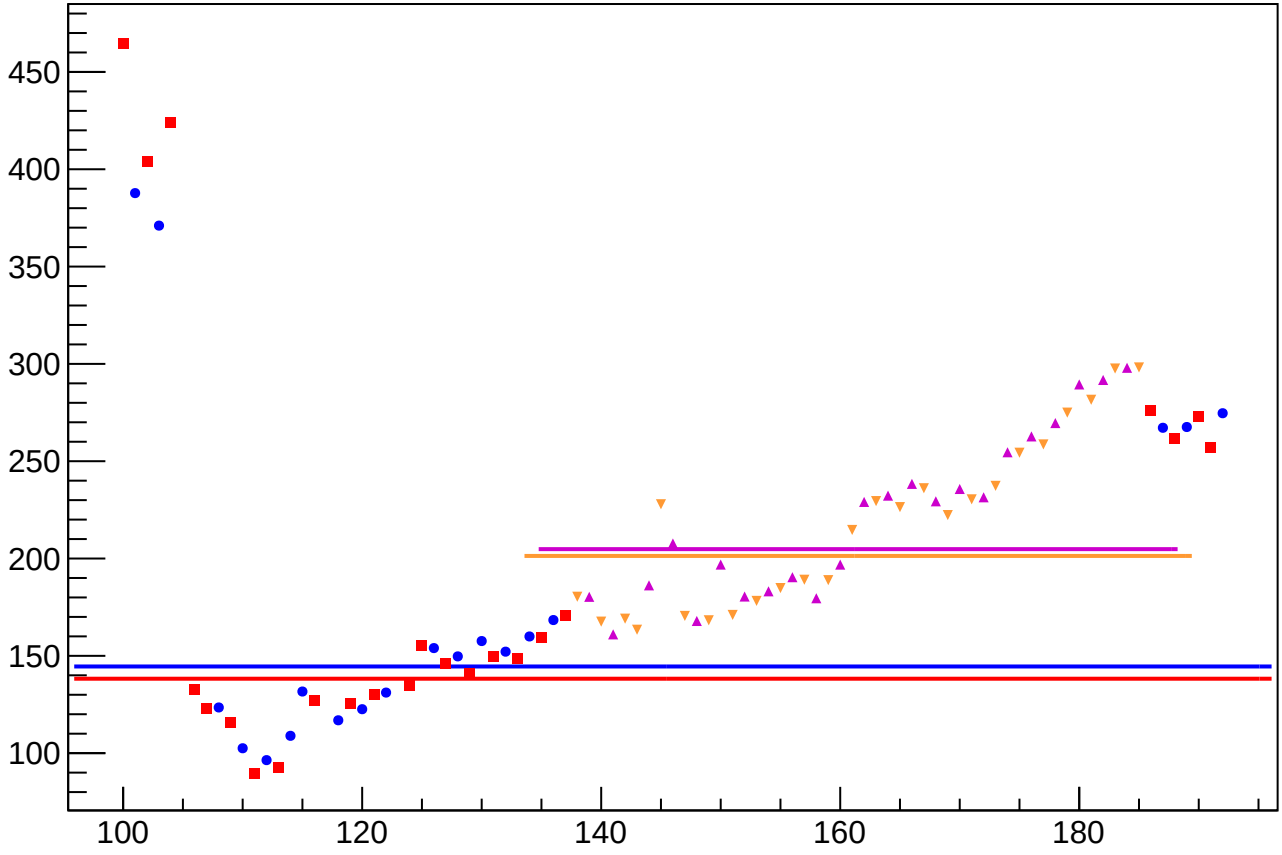
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160628.762+/-0.035 χ^2/NDF: 11810146421

All: 160159.328+/-0.025 χ^2/NDF: 2343587

- sign 159698.341+/-0.035 χ^2/NDF: 115900882242

yield_bpm2i01WS_rms vs Slug



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

+ sign 176.404+/-0.025 χ^2/NDF: 4729565.3/43

All: 174.078+/-0.017 χ^2/NDF: 10216735.1/89

- sign 171.794+/-0.025 χ^2/NDF: 5469674.4/45

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

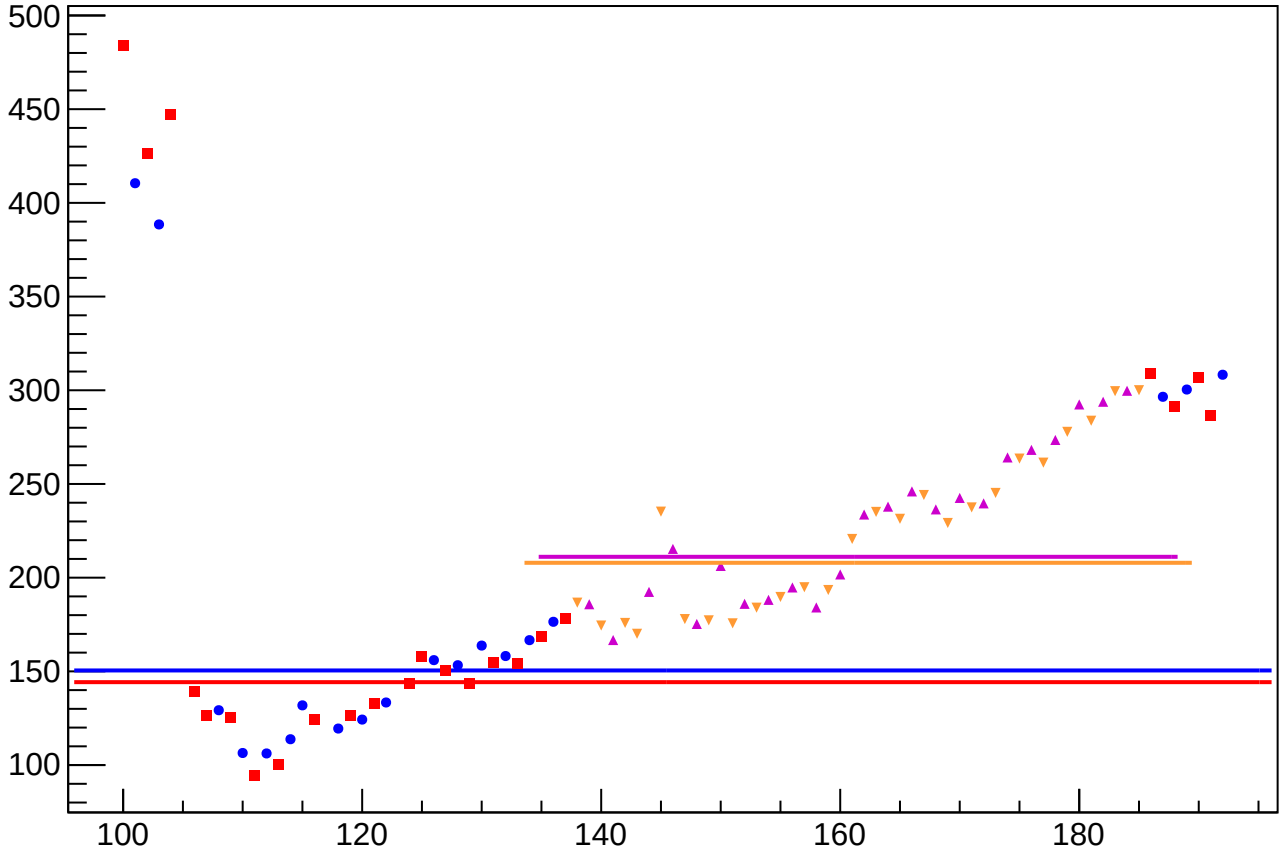
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 167591.248+/-0.036 χ^2/NDF: 12663509890

All: 167090.254+/-0.026 χ^2/NDF: 2533299

- sign 166597.575+/-0.036 χ^2/NDF: 126317366076

yield_bpm2i02WS_rms vs Slug



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

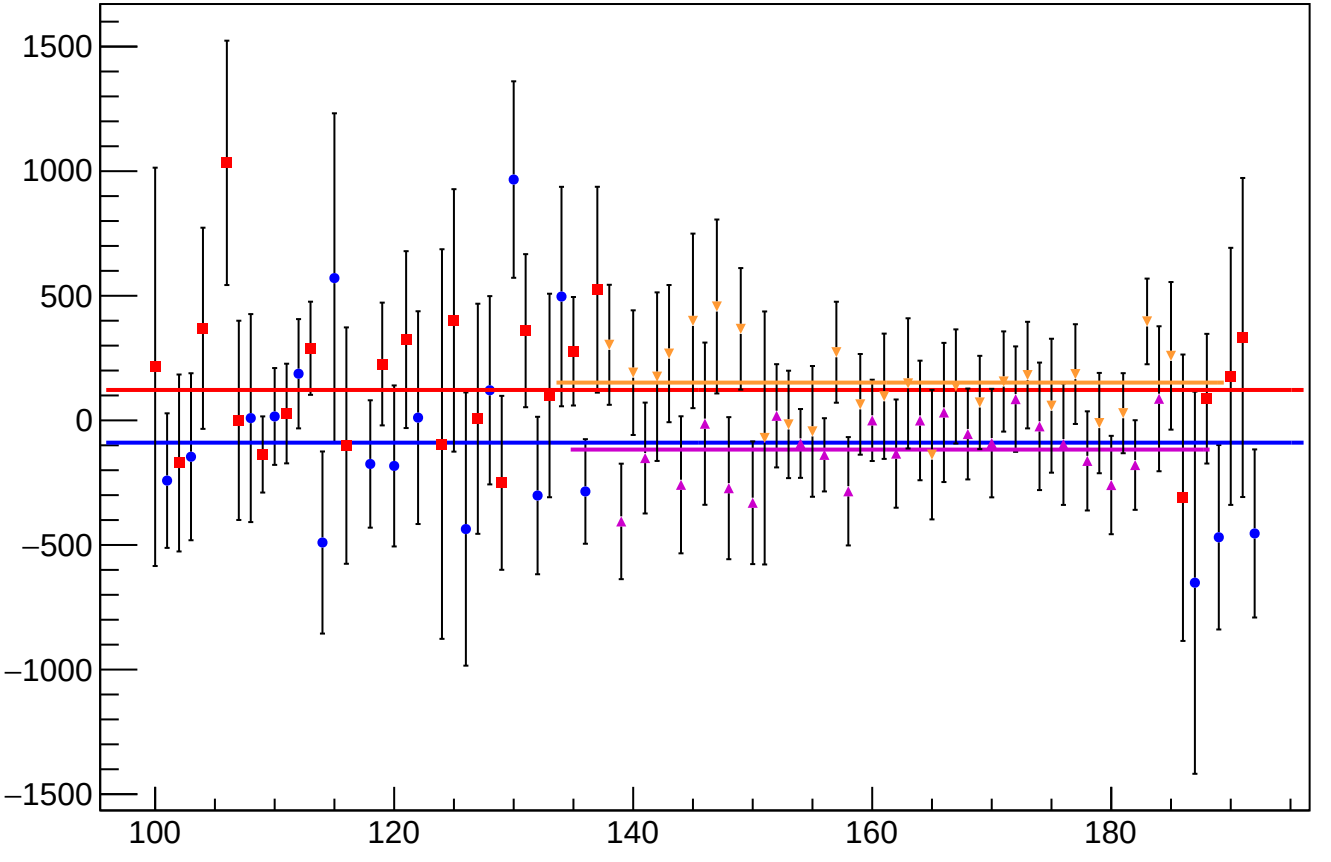
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 183.092+/-0.026 χ^2/NDF: 4663616.6/43

All: 180.768+/-0.018 χ^2/NDF: 10069262.5/89

- sign 178.482+/-0.025 χ^2/NDF: 5389398.8/45

asym_bcm_target_mean vs Slug



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

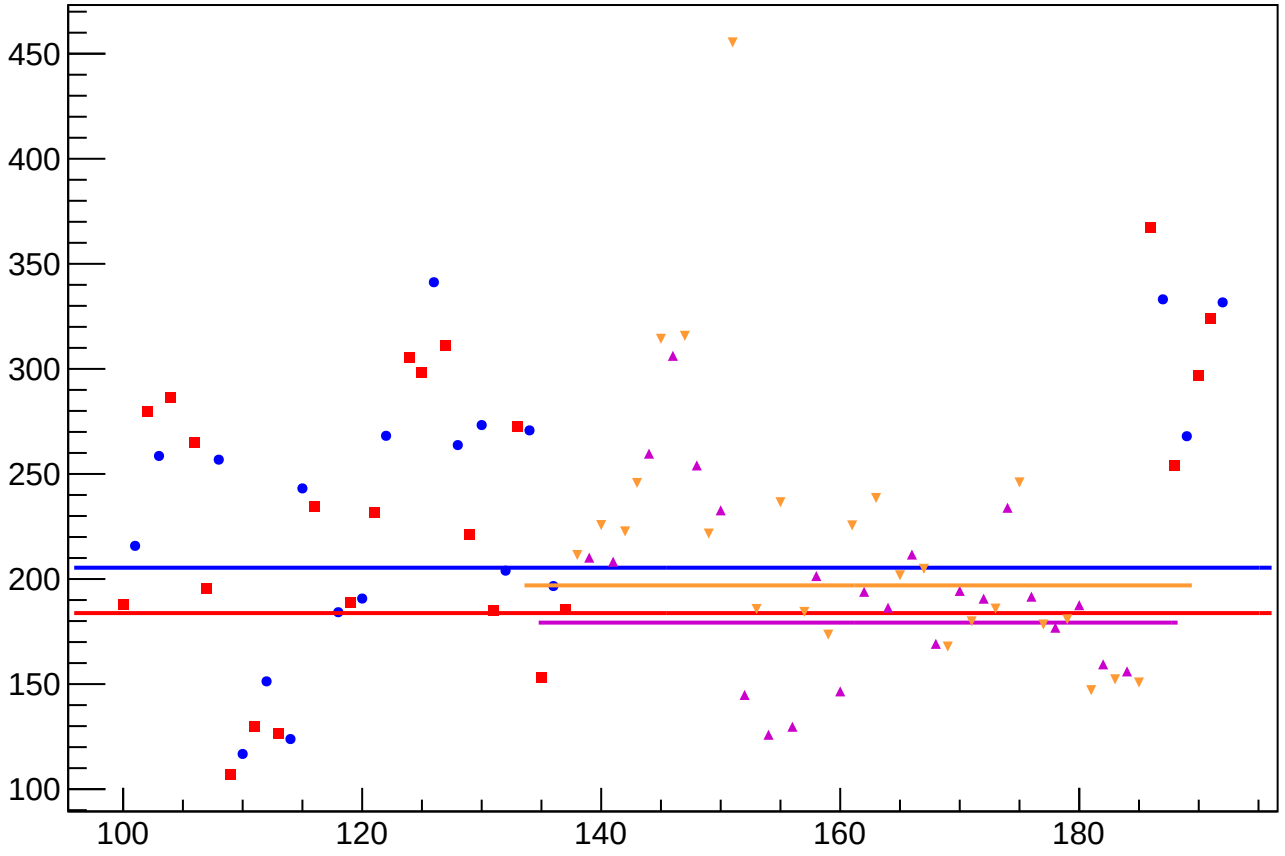
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 82.047+/-39.152 χ^2/NDF: 35.9/43

All: 15.111+/-26.620 χ^2/NDF: 71.7/89

- sign -42.430+/-36.301 χ^2/NDF: 30.4/45

asym_bcm_target_rms vs Slug



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

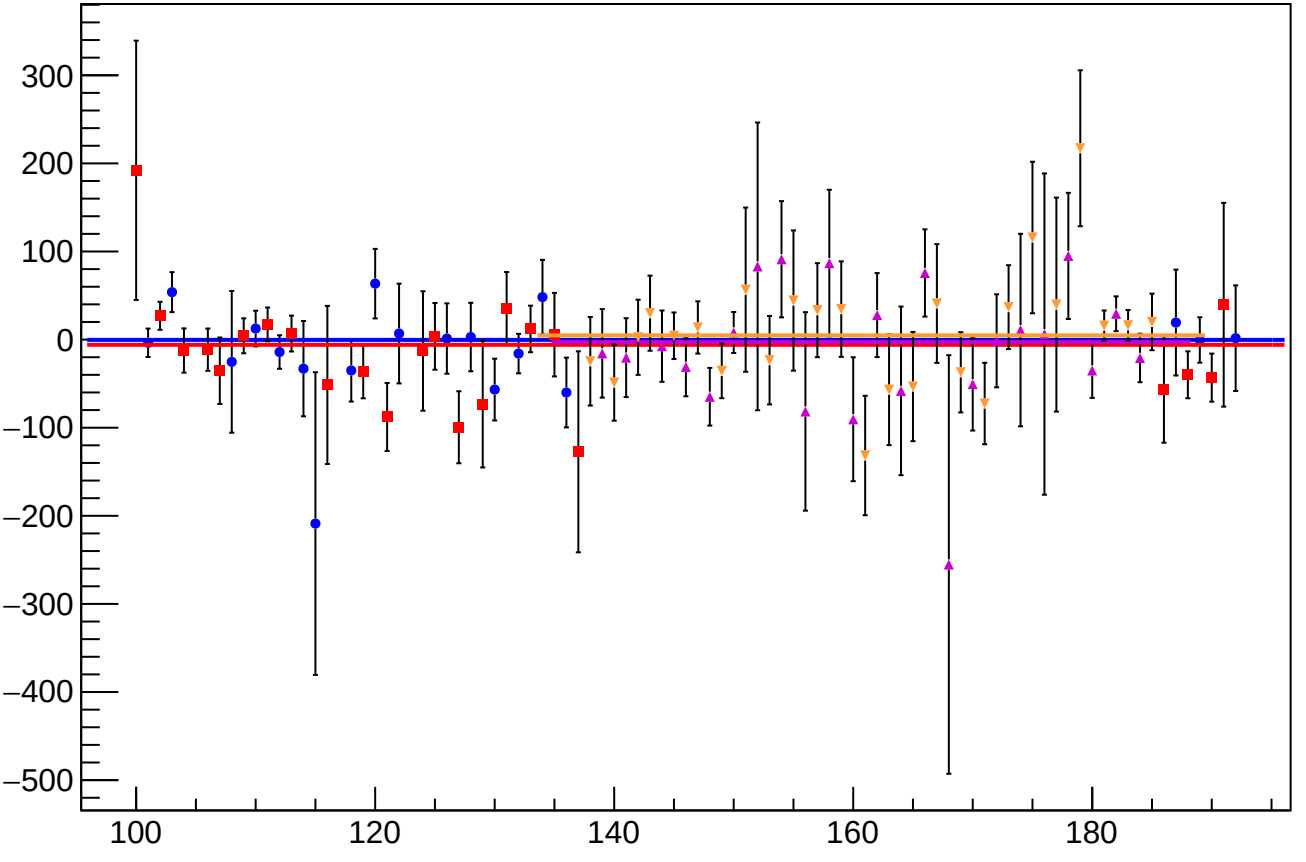
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

\+ sign 199.403+/-0.028 χ^2/NDF: 3287471.1/43

All: 189.332+/-0.019 χ^2/NDF: 7422724.0/89

\- sign 180.673+/-0.026 χ^2/NDF: 3889129.3/45

asym_bcm_an_diff_mean vs Slug



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

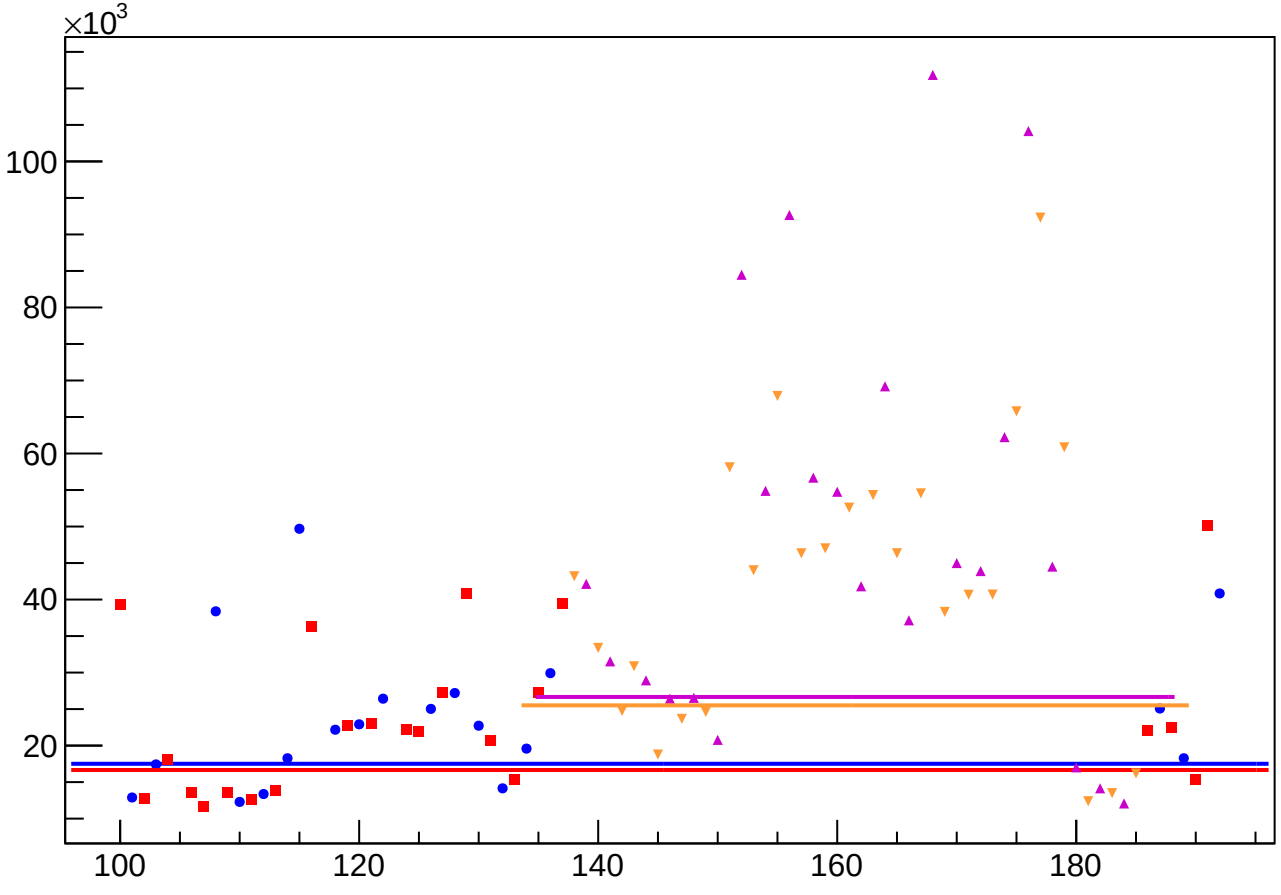
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 2.022+/-5.135 χ^2/NDF: 43.6/43

All: -1.428+/-3.635 χ^2/NDF: 94.0/89

- sign -4.895+/-5.148 χ^2/NDF: 49.5/45

asym_bcm_an_diff_rms vs Slug



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

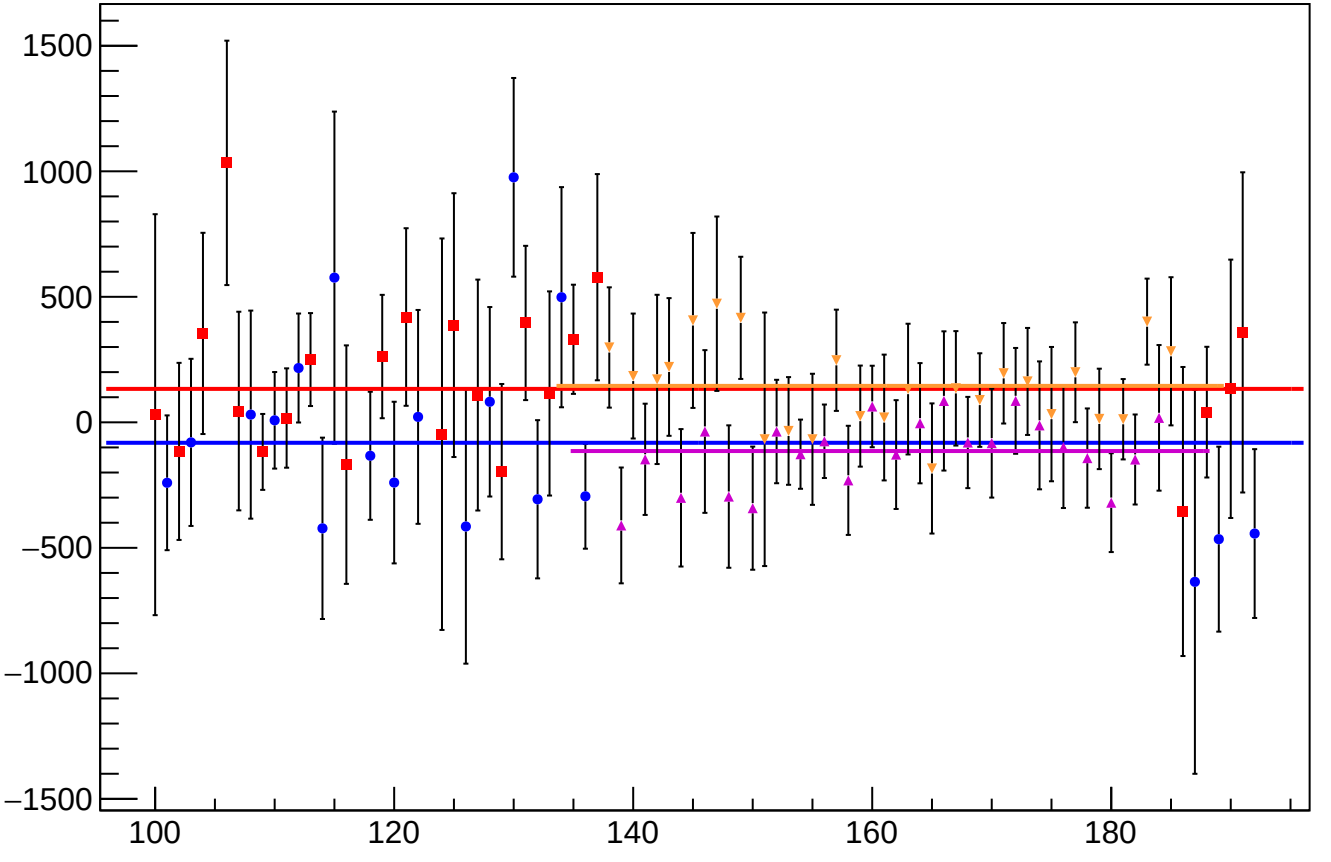
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21162.212+/-3.631 χ^2/NDF: 10488210.4/43

All: 20607.056+/-2.571 χ^2/NDF: 19656131.2/

- sign 20049.085+/-3.640 χ^2/NDF: 9121045.2/45

asym_bcm_an_ds_mean vs Slug



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

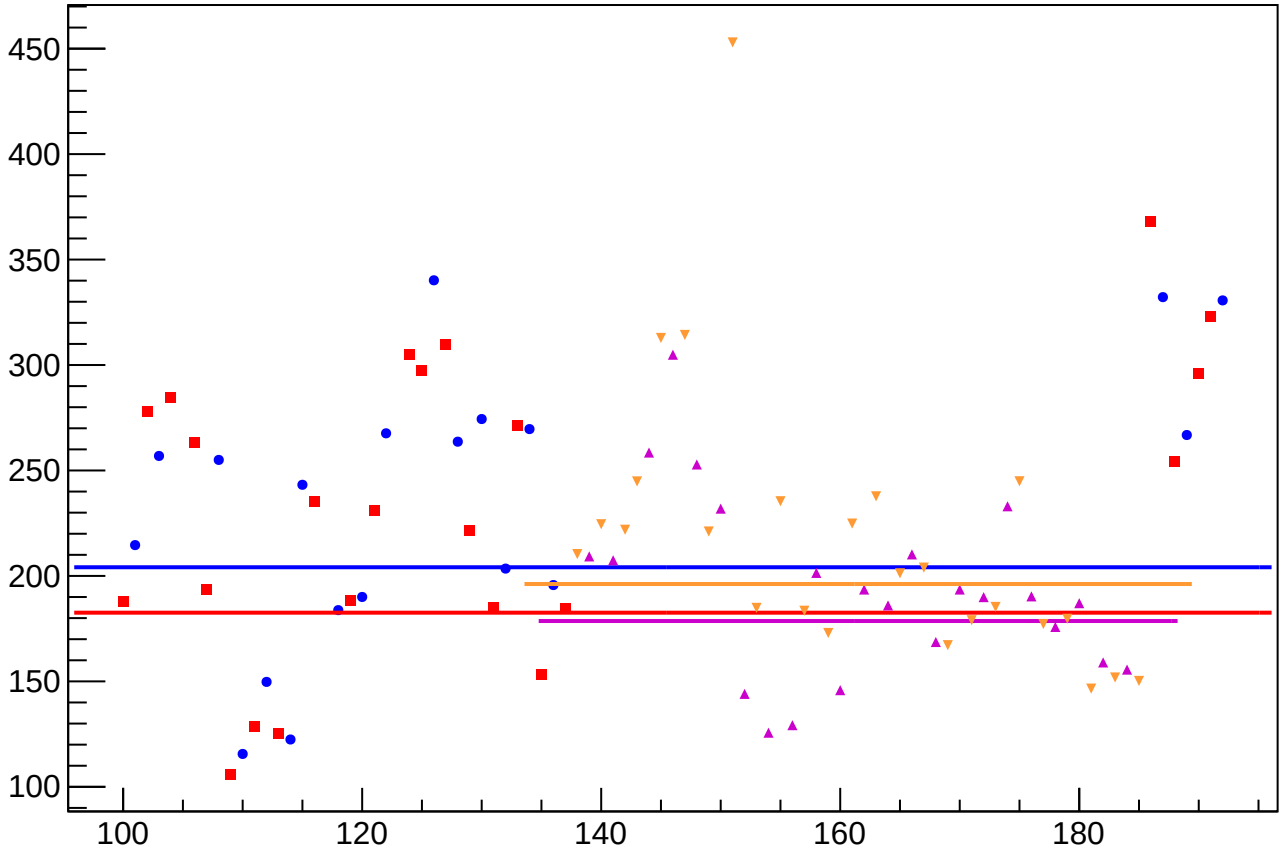
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 79.636+/-38.974 χ^2/NDF: 36.7/43

All: 17.028+/-26.503 χ^2/NDF: 74.0/89

- sign -36.827+/-36.147 χ^2/NDF: 32.5/45

asym_bcm_an_ds_rms vs Slug



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

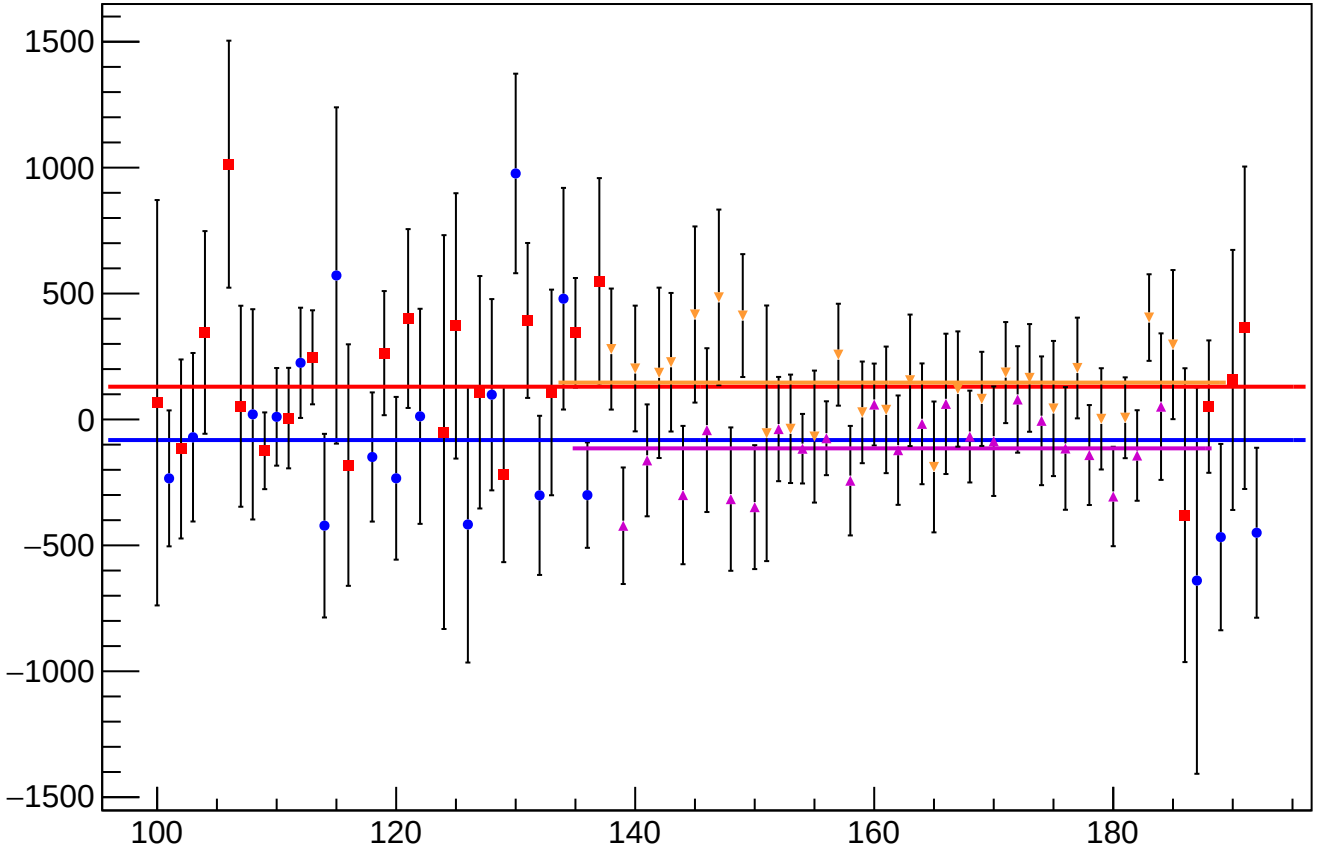
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 198.462+/-0.028 χ^2/NDF: 3308513.8/43

All: 188.462+/-0.019 χ^2/NDF: 7470654.7/89

- sign 179.860+/-0.026 χ^2/NDF: 3917191.0/45

asym_bcm_an_ds3_mean vs Slug



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

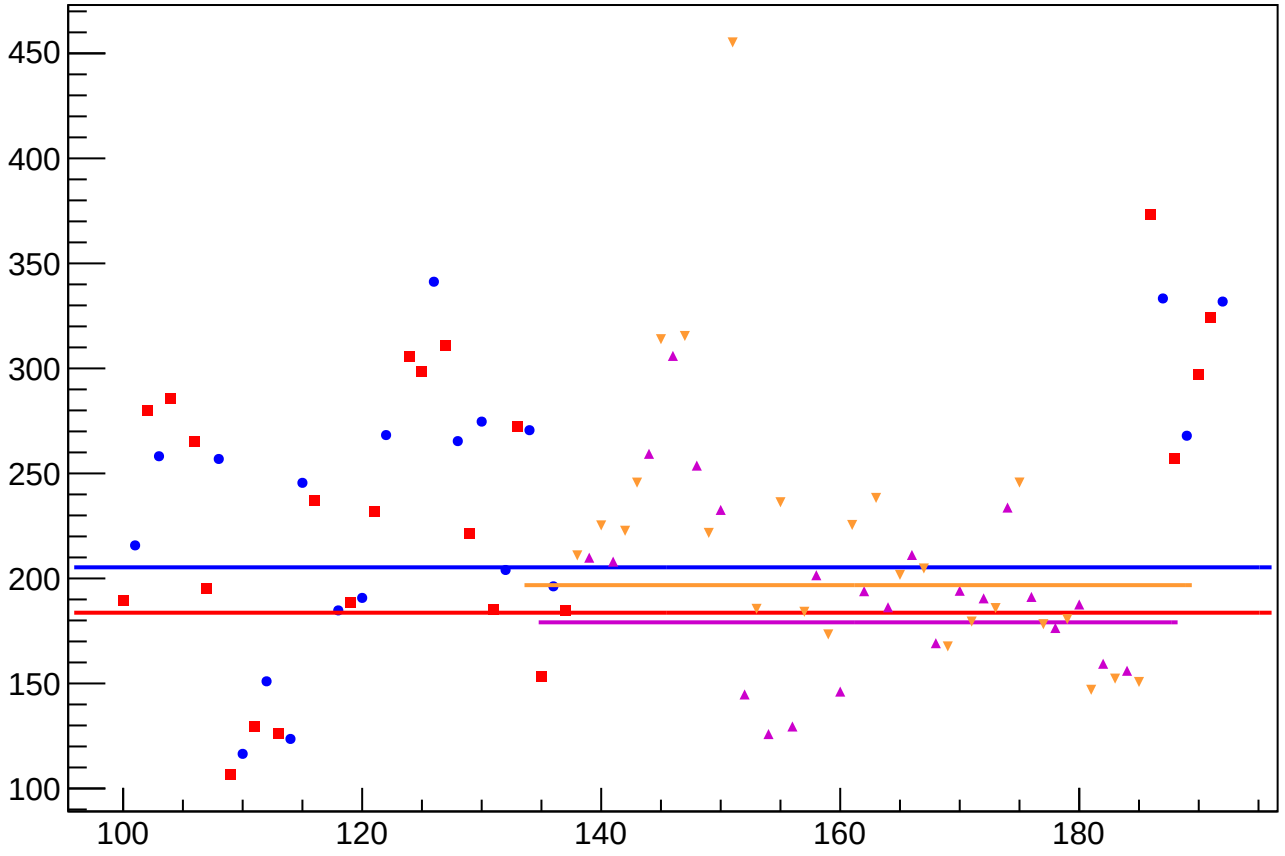
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 80.622+/-39.127 χ^2/NDF: 36.9/43

All: 16.616+/-26.604 χ^2/NDF: 73.9/89

- sign -38.423+/-36.282 χ^2/NDF: 32.1/45

asym_bcm_an_ds3_rms vs Slug



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

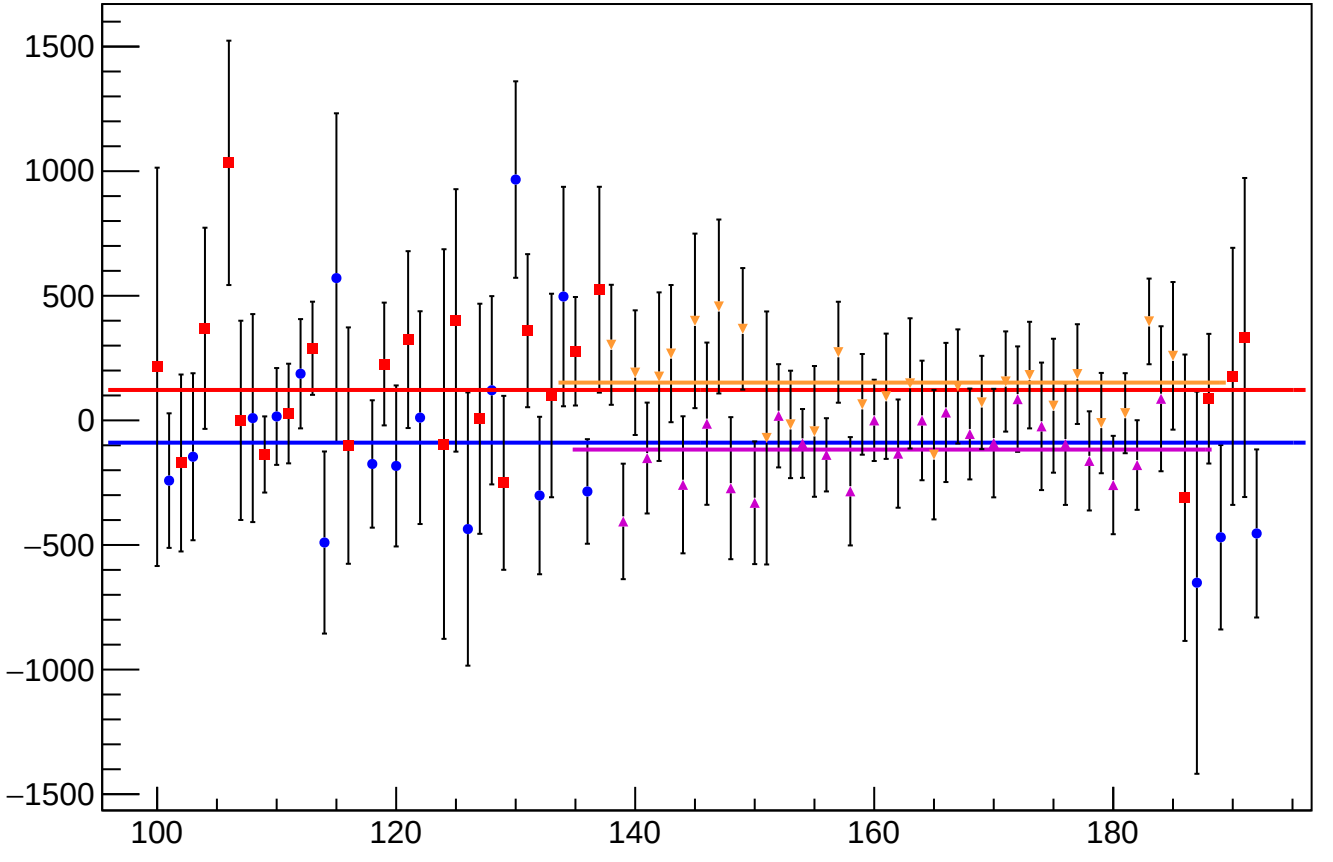
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

\+ sign 199.252+/-0.028 χ^2/NDF: 3298618.3/43

All: 189.186+/-0.019 χ^2/NDF: 7461761.7/89

\- sign 180.531+/-0.026 χ^2/NDF: 3916940.1/45

asym_bcm_an_us_mean vs Slug



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

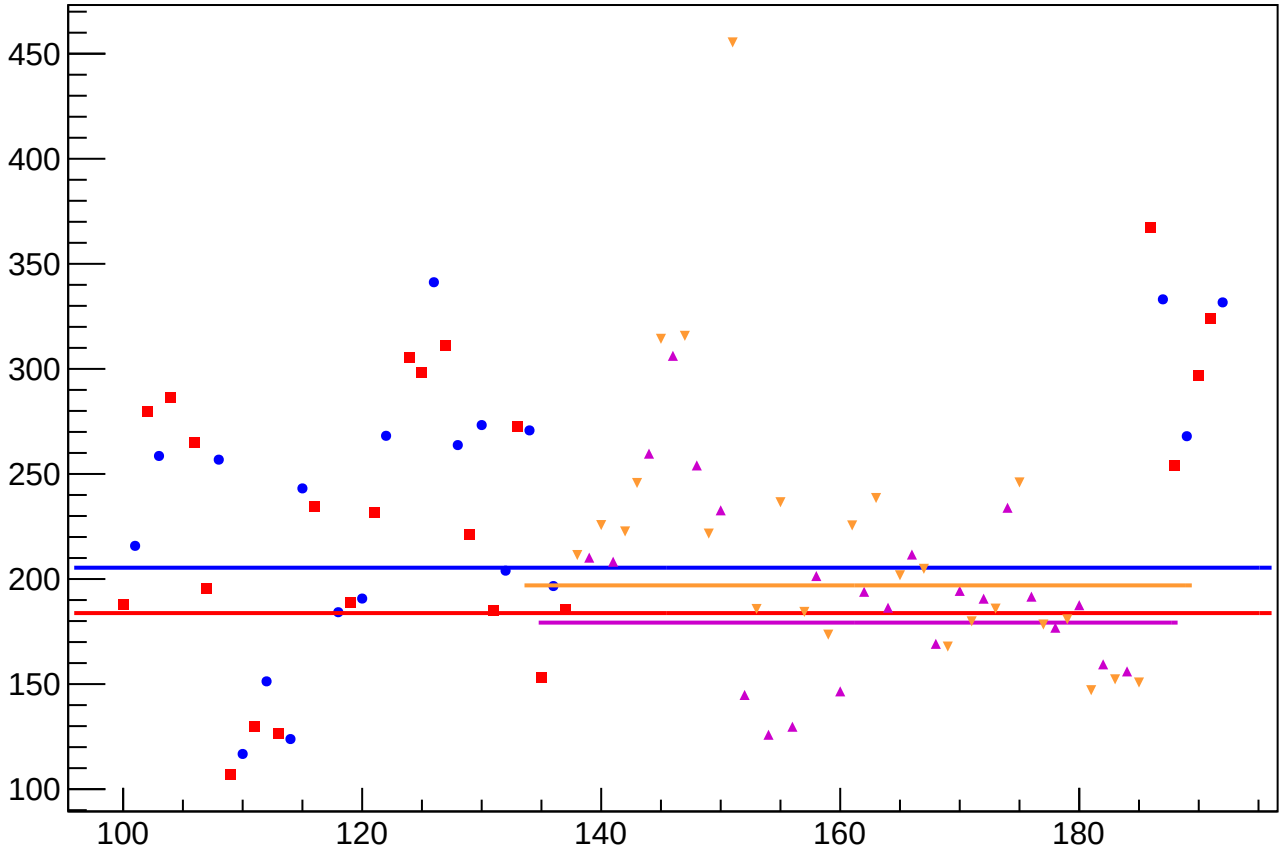
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 82.047+/-39.152 χ^2/NDF: 35.9/43

All: 15.111+/-26.620 χ^2/NDF: 71.7/89

- sign -42.430+/-36.301 χ^2/NDF: 30.4/45

asym_bcm_an_us_rms vs Slug



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

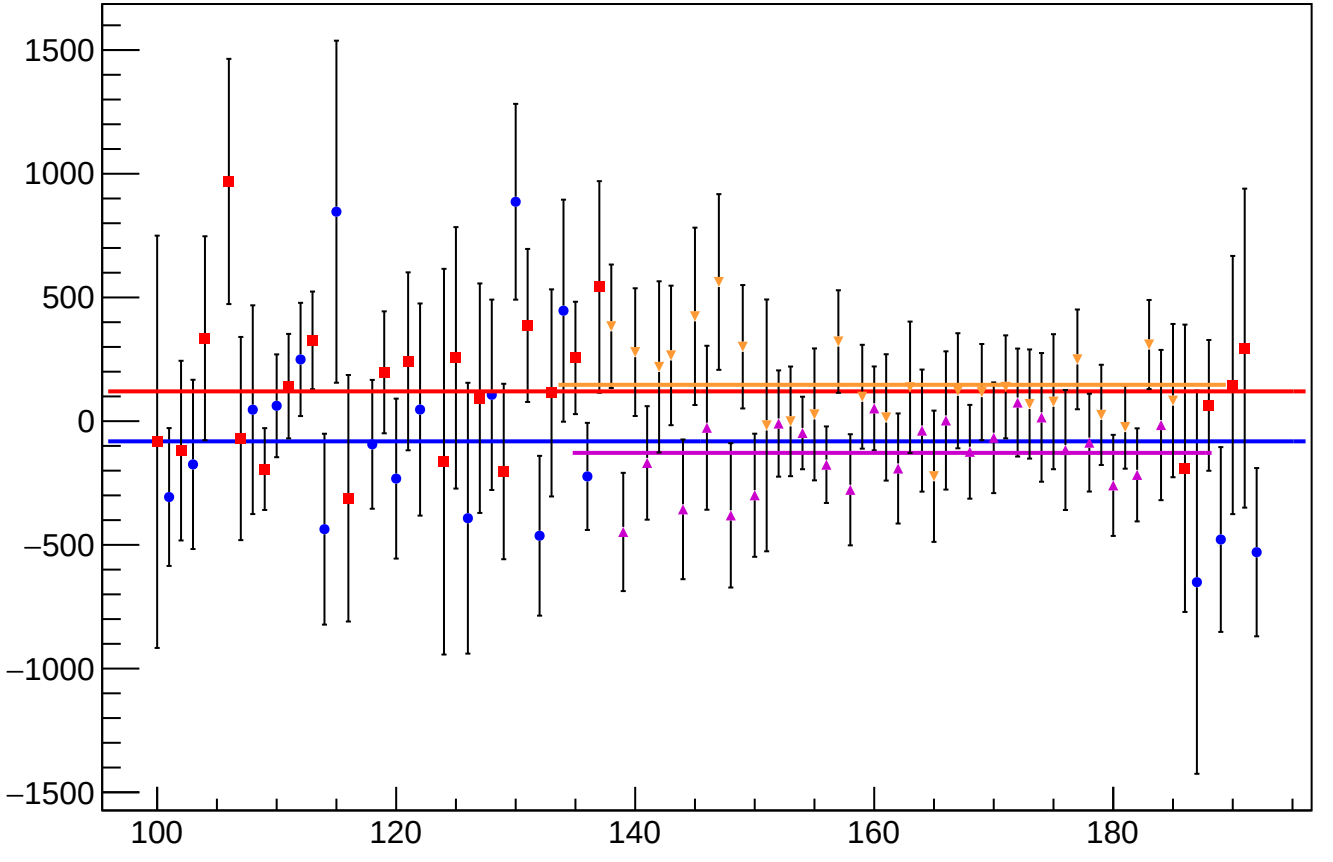
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

\+ sign 199.403+/-0.028 χ^2/NDF: 3287471.1/43

All: 189.332+/-0.019 χ^2/NDF: 7422724.0/89

\- sign 180.673+/-0.026 χ^2/NDF: 3889129.3/45

asym_bcm_dg_us_mean vs Slug



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

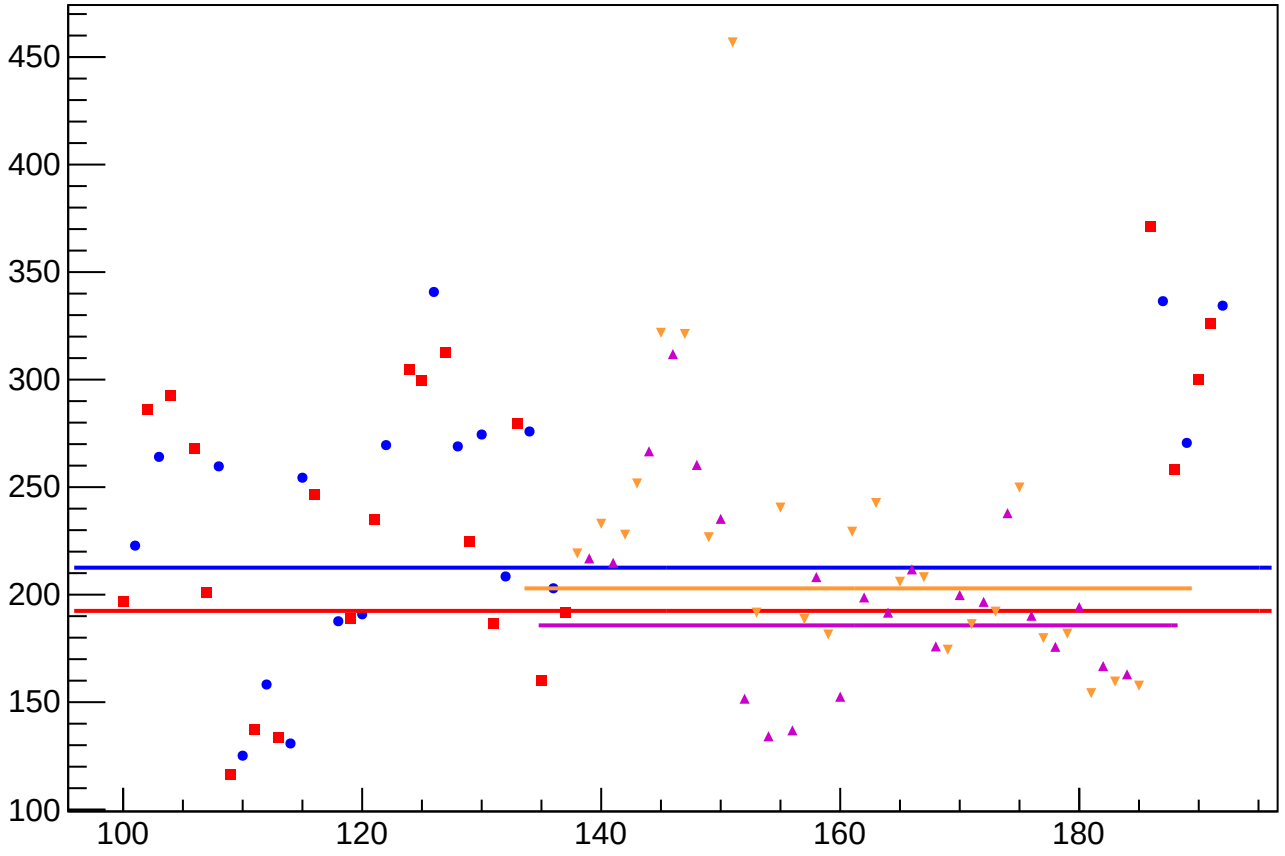
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 81.144+/-40.256 χ^2/NDF: 36.3/43

All: 10.423+/-27.456 χ^2/NDF: 73.1/89

- sign -51.087+/-37.543 χ^2/NDF: 31.0/45

asym_bcm_dg_us_rms vs Slug



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

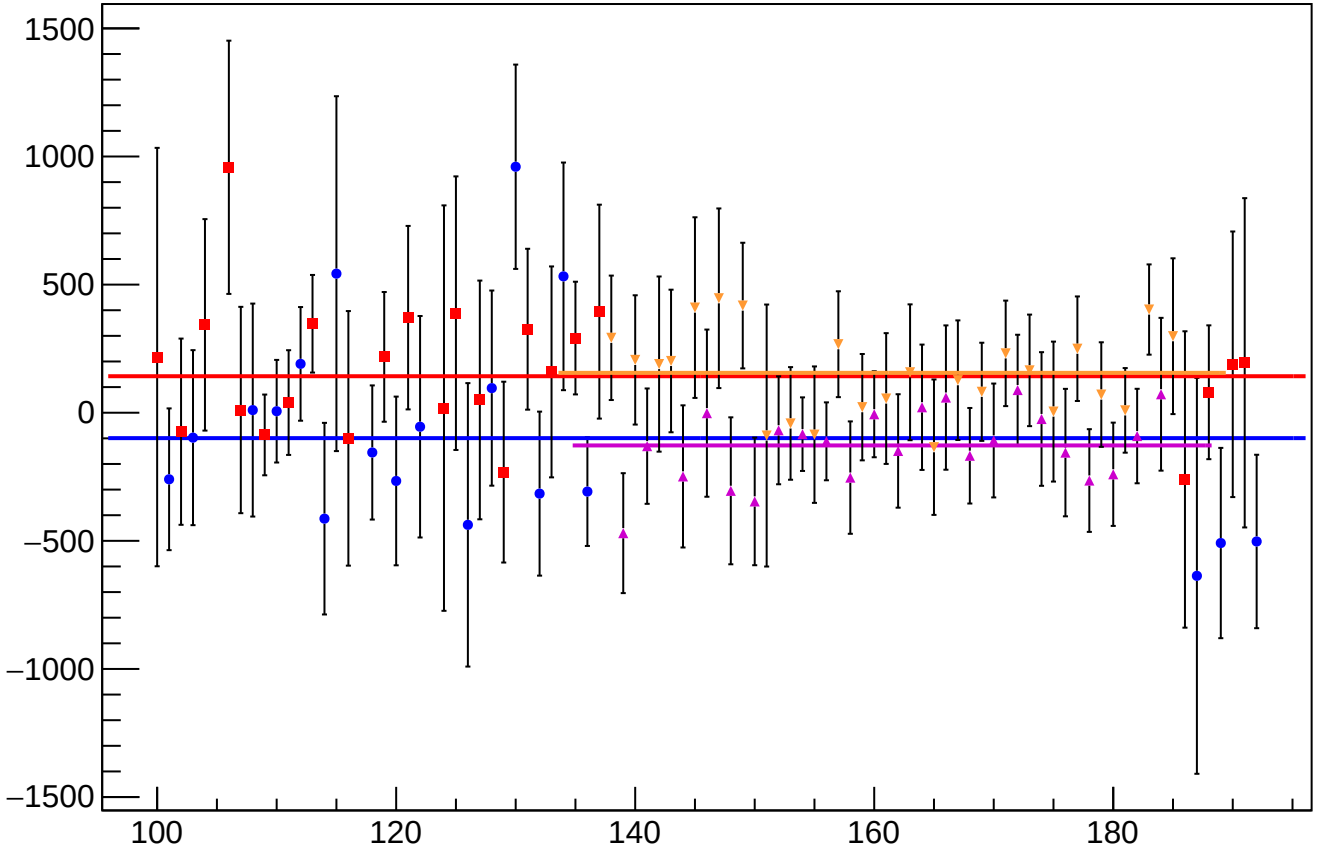
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 205.694+/-0.028 χ^2/NDF: 3025136.8/43

All: 196.127+/-0.019 χ^2/NDF: 6714999.4/89

- sign 187.806+/-0.027 χ^2/NDF: 3478645.0/45

asym_bcm_dg_ds_mean vs Slug



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

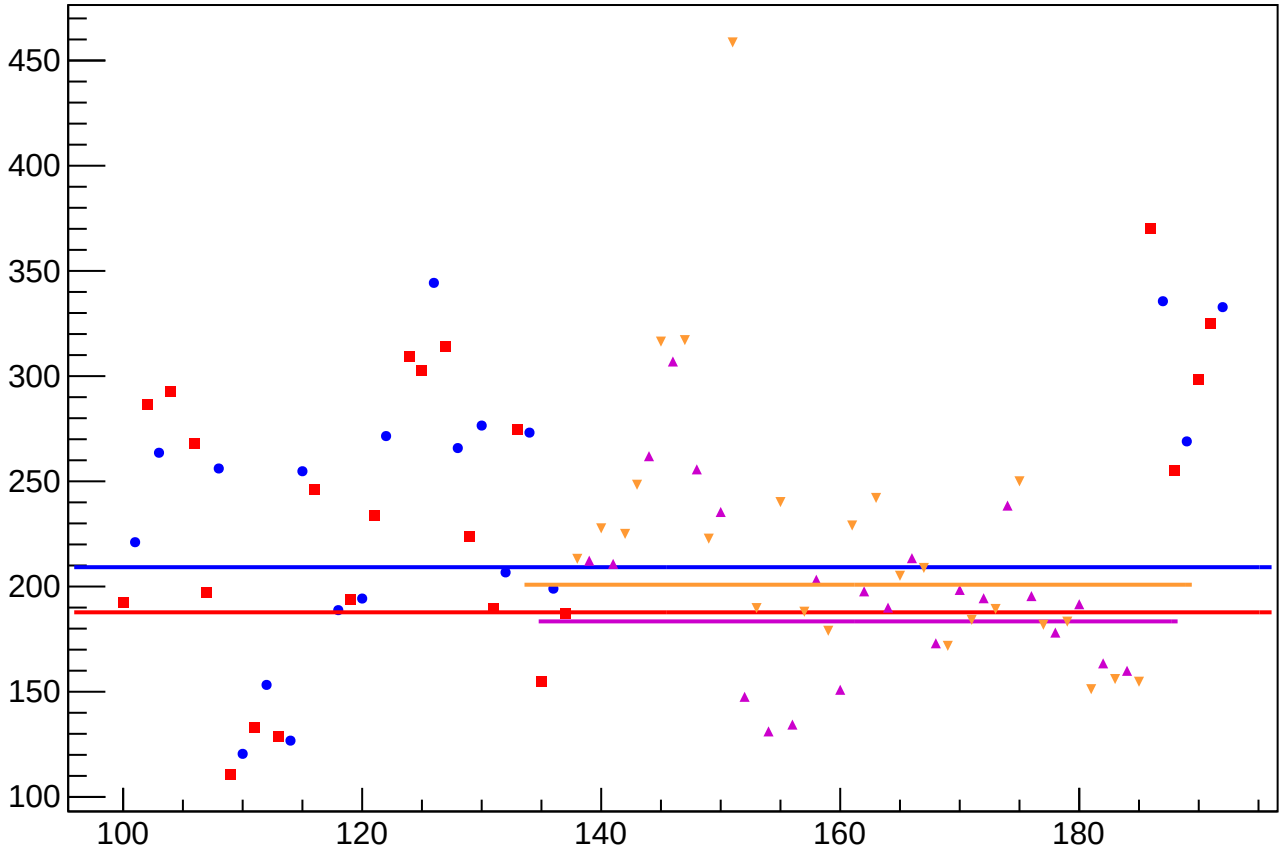
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 81.925+/-39.844 χ^2/NDF: 37.6/43

All: 14.904+/-27.127 χ^2/NDF: 73.1/89

- sign -43.009+/-37.038 χ^2/NDF: 30.2/45

asym_bcm_dg_ds_rms vs Slug



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

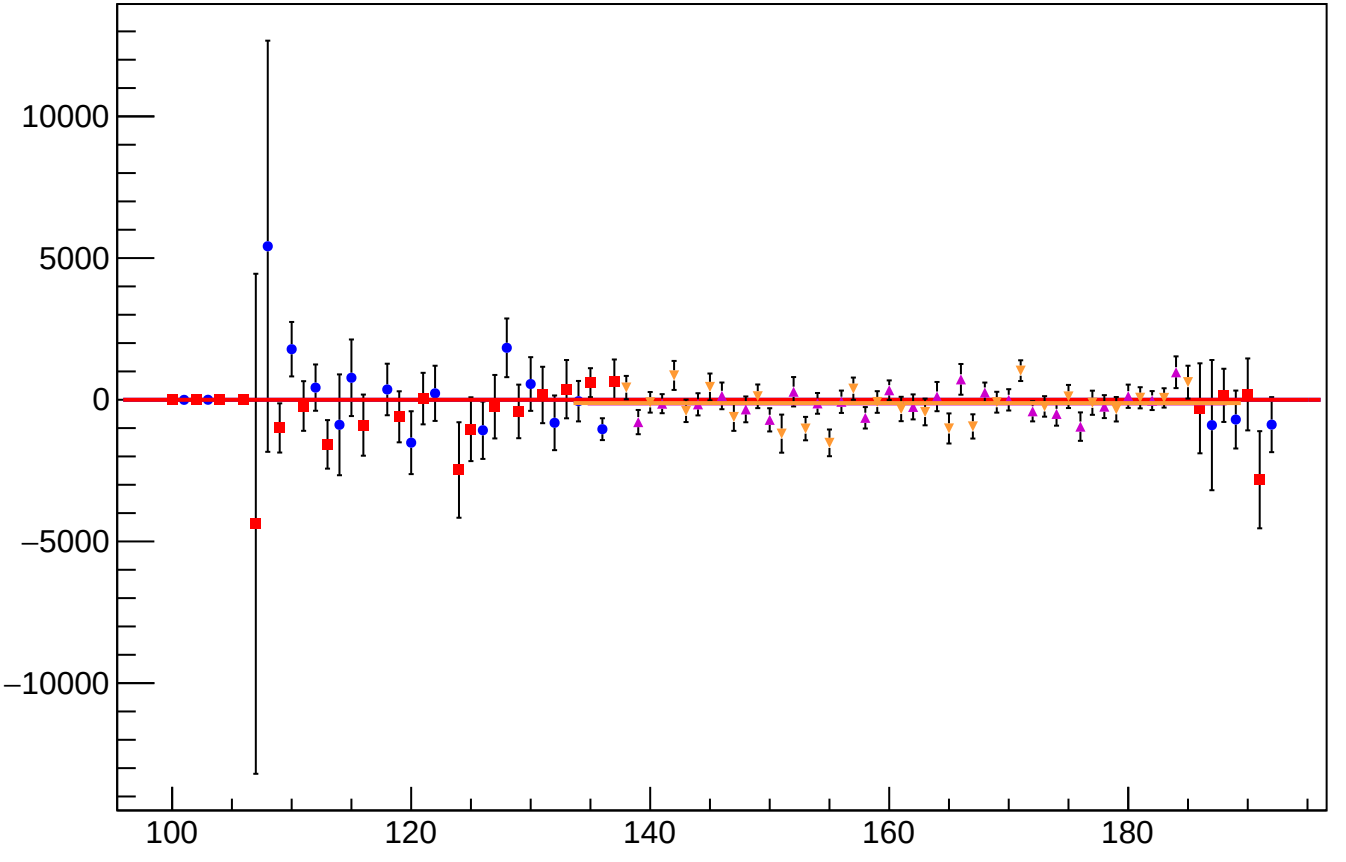
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 203.275+/-0.028 χ^2/NDF: 3147664.4/43

All: 193.356+/-0.019 χ^2/NDF: 7076021.2/89

- sign 184.786+/-0.026 χ^2/NDF: 3697327.0/45

asym_cav4bQ_mean vs Slug



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

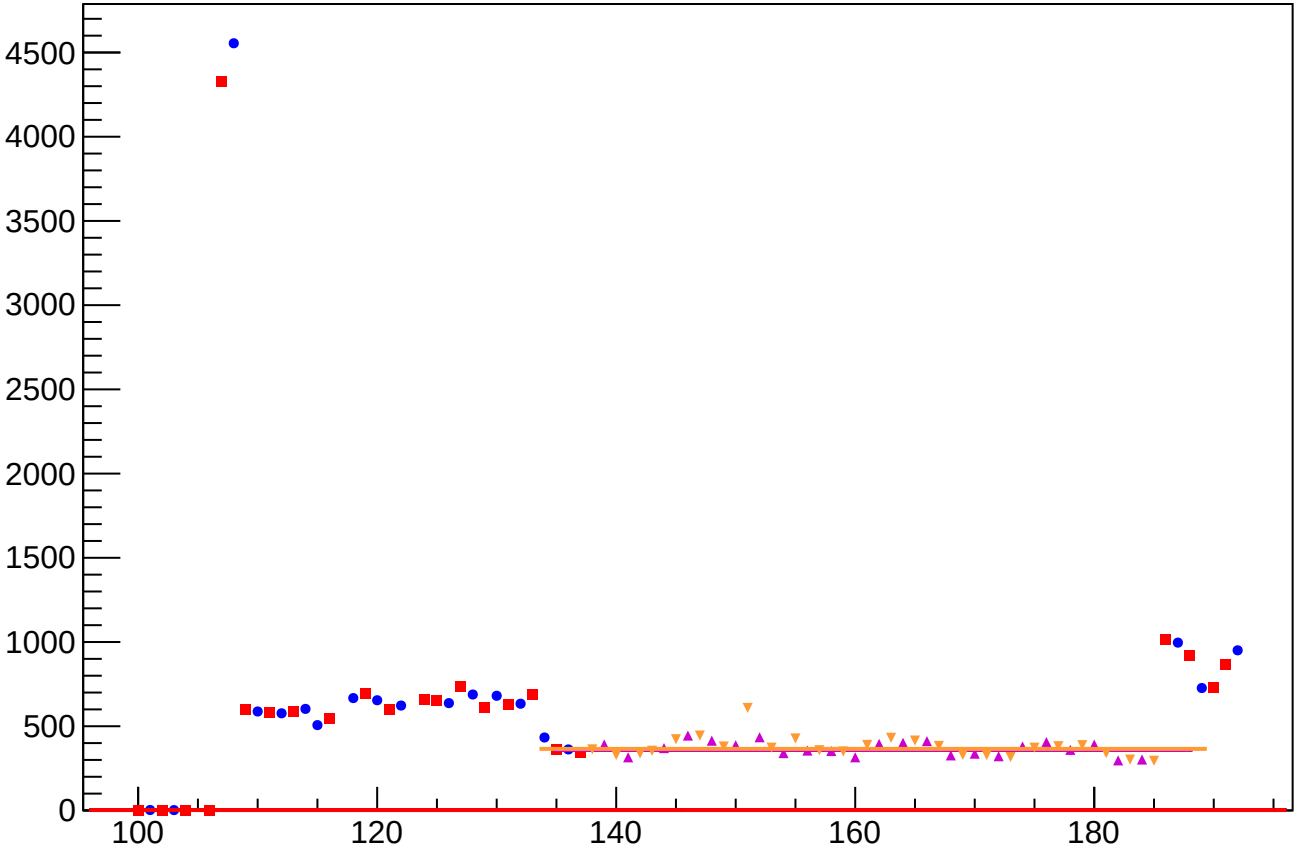
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.325+/-2.170 χ^2/NDF: 69.6/43

All: -1.393+/-1.479 χ^2/NDF: 113.2/89

- sign -1.453+/-2.022 χ^2/NDF: 43.6/45

asym_cav4bQ_rms vs Slug



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

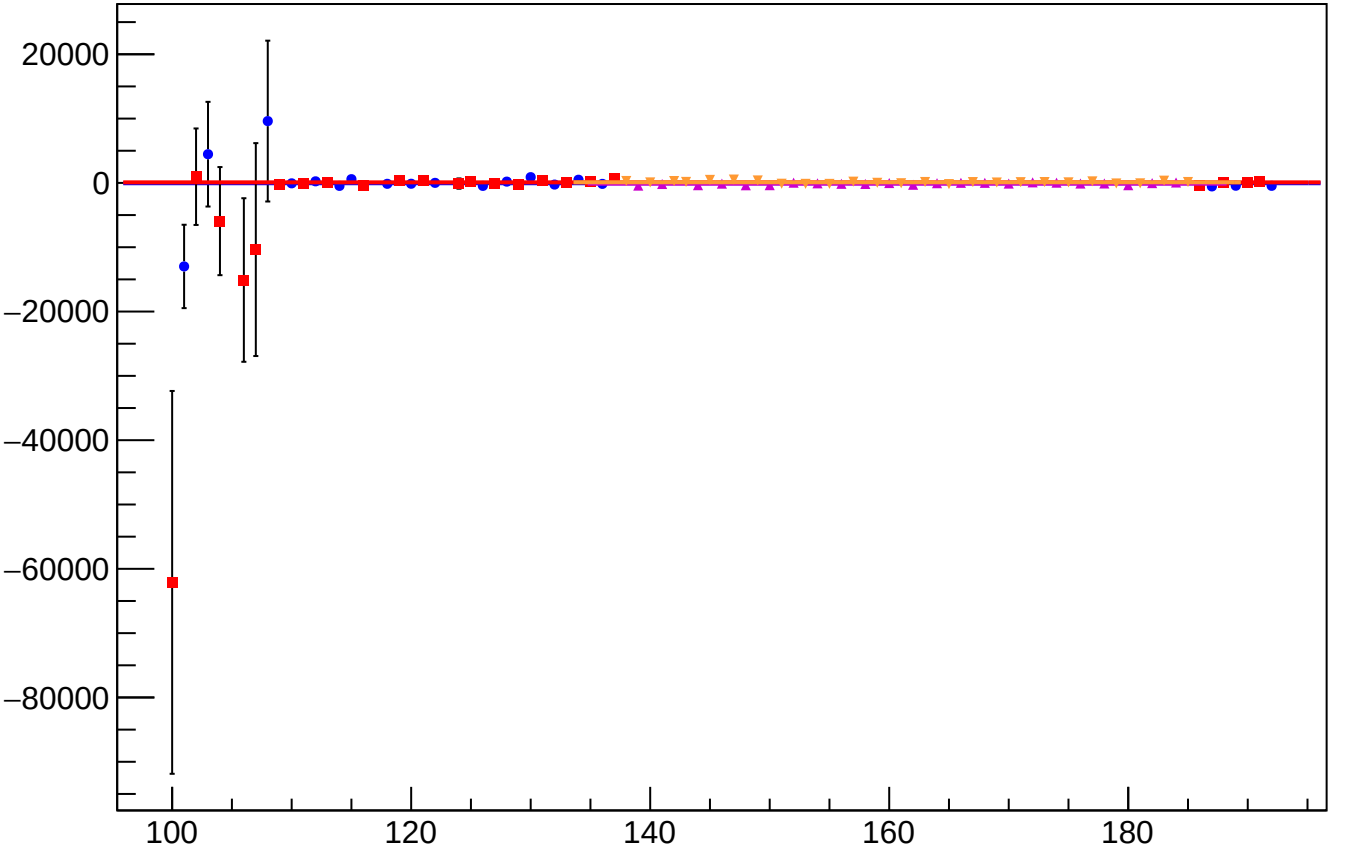
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.727+/-0.002 χ^2/NDF: 52746118.8/43

All: 2.698+/-0.001 χ^2/NDF: 103720183.0/89

- sign 2.672+/-0.001 χ^2/NDF: 50973394.3/45

asym_cav4cQ_mean vs Slug



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

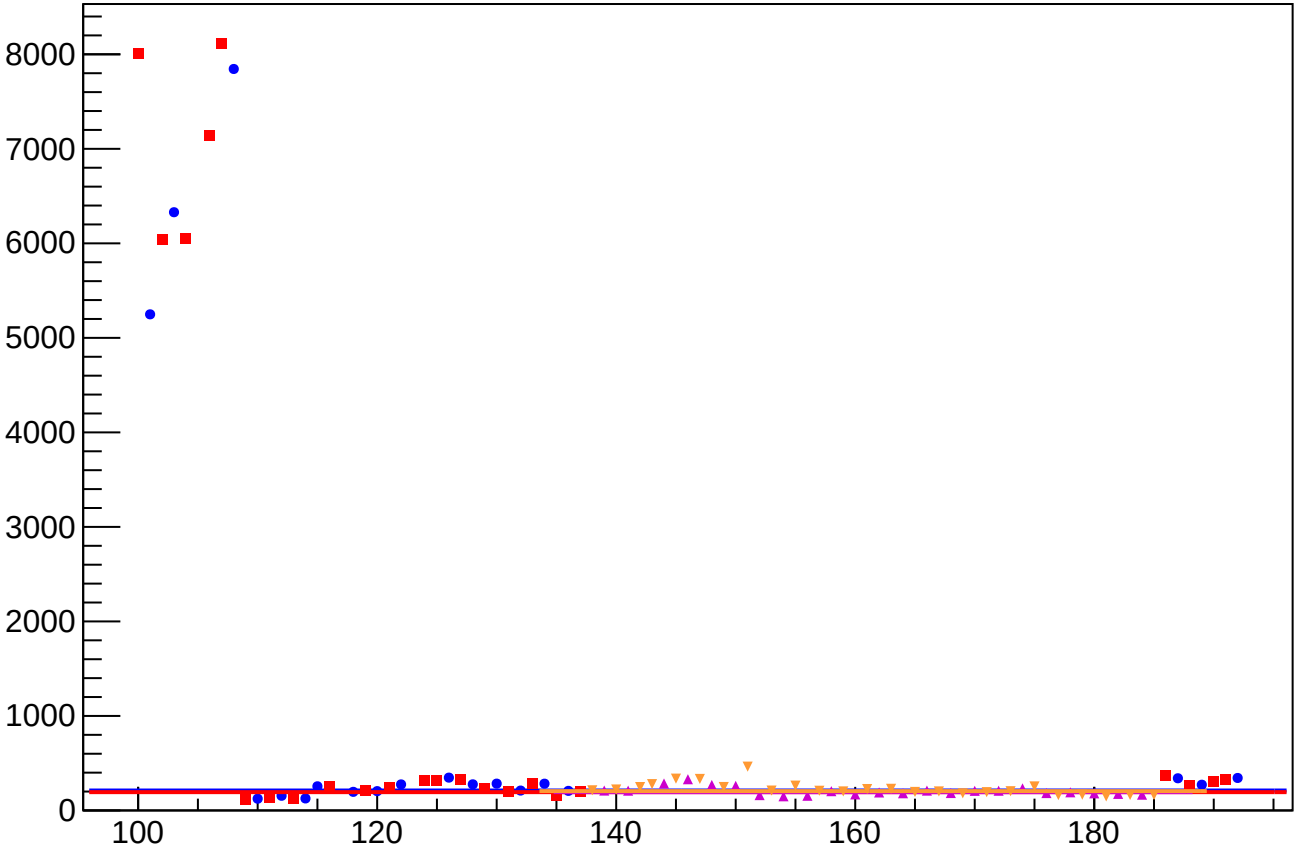
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign 61.017+/-41.663 χ^2/NDF: 35.2/43

All: -3.234+/-28.834 χ^2/NDF: 69.9/89

- sign -62.298+/-39.946 χ^2/NDF: 30.1/45

asym_cav4cQ_rms vs Slug



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

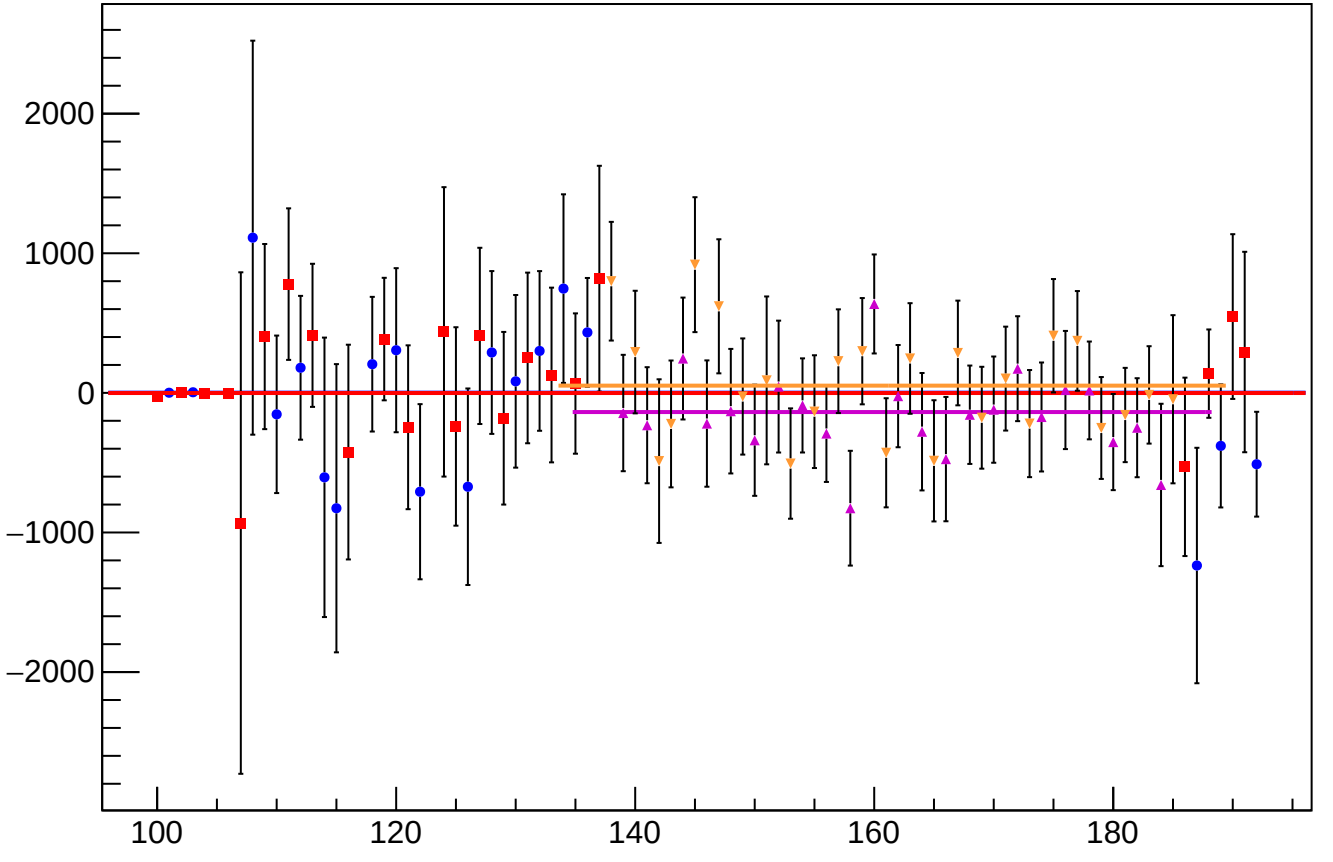
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 206.208+/-0.029 χ^2/NDF: 6383896.0/43

All: 199.773+/-0.020 χ^2/NDF: 12634247.7/89

- sign 193.857+/-0.028 χ^2/NDF: 6158785.4/45

asym_cav4dQ_mean vs Slug



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

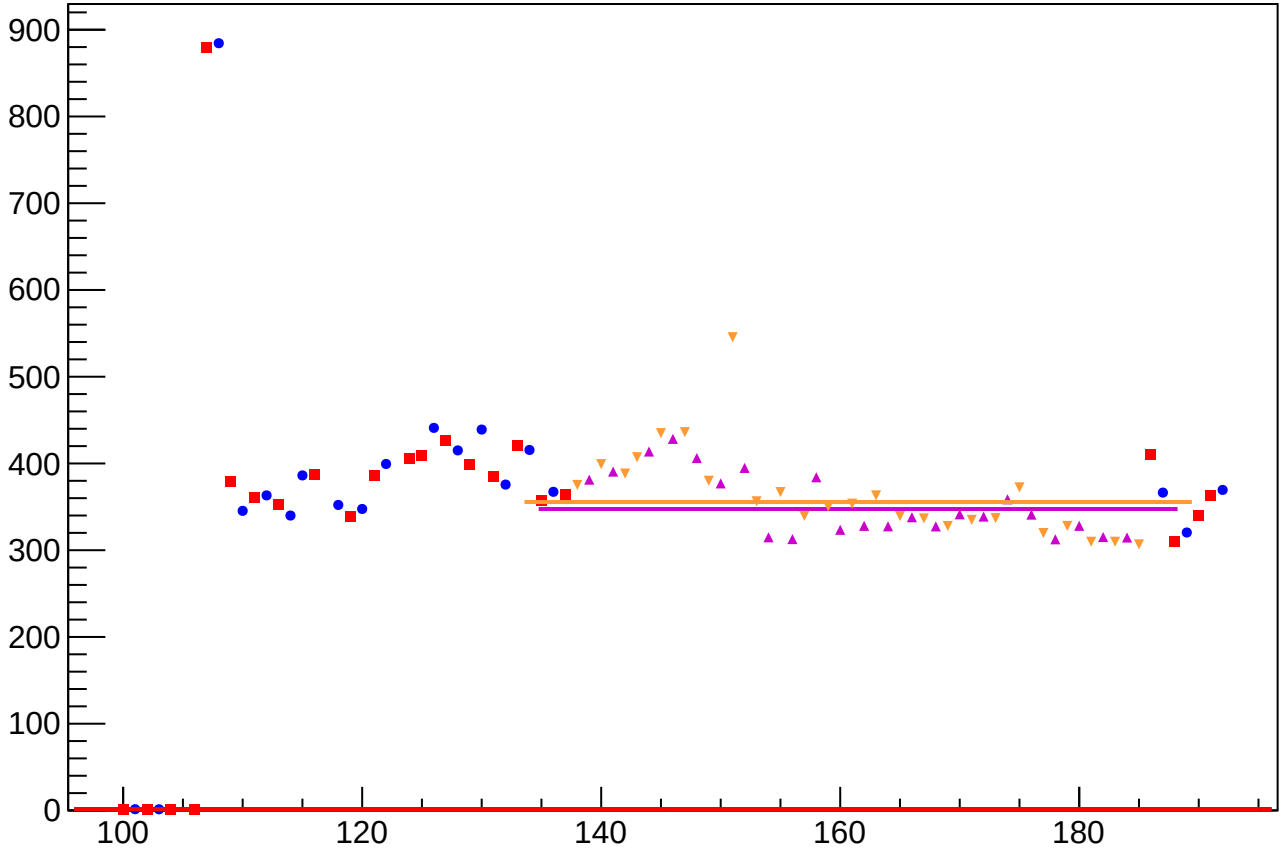
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.456+/-1.660 χ^2/NDF: 32.5/43

All: 0.053+/-1.124 χ^2/NDF: 59.8/89

- sign -1.136+/-1.528 χ^2/NDF: 26.0/45

asym_cav4dQ_rms vs Slug



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

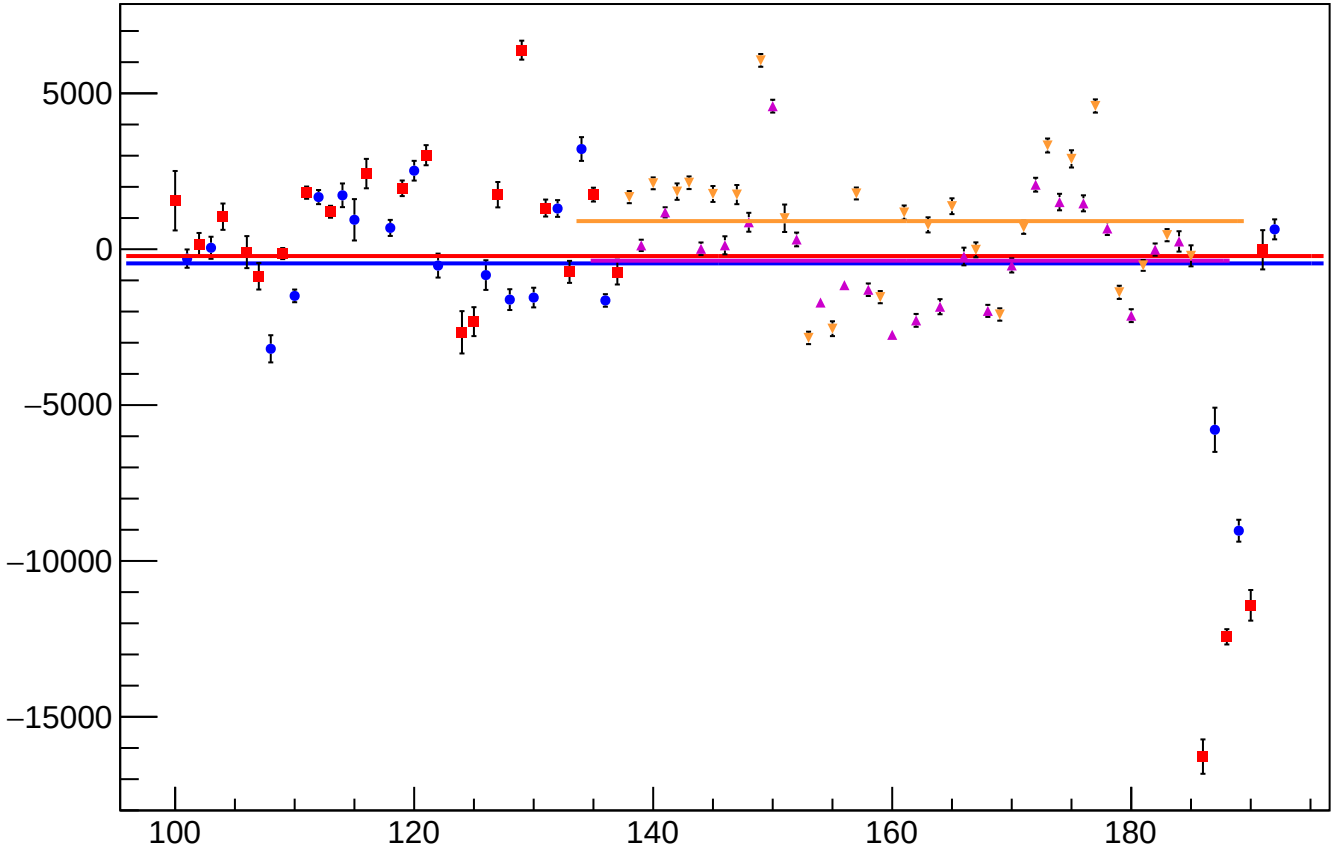
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

\+ sign 1.630+/-0.001 χ^2/NDF: 53284959.3/43

All: 1.614+/-0.001 χ^2/NDF: 104284488.4/89

\- sign 1.600+/-0.001 χ^2/NDF: 50999183.5/45

asym_bcm0l02_mean vs Slug



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

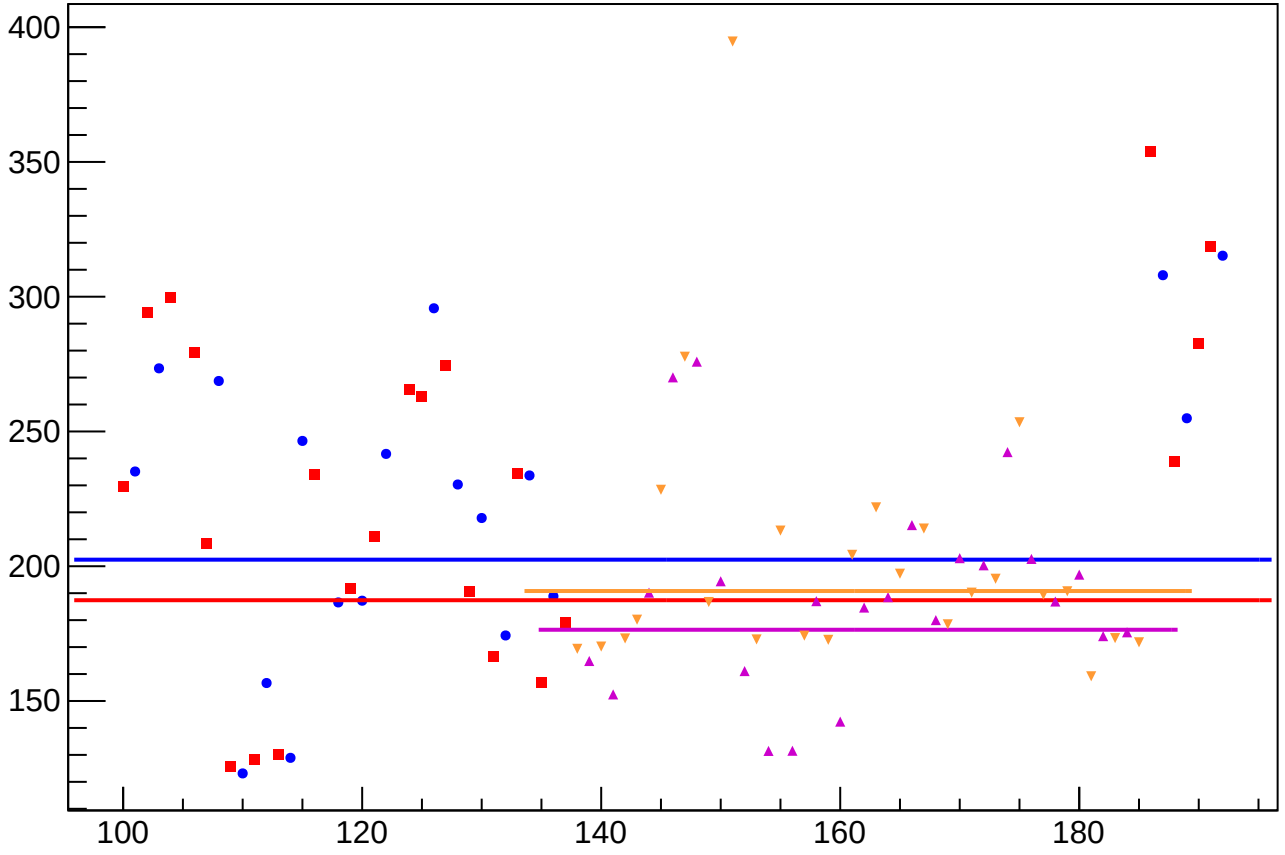
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 519.571+/-37.702 χ^2/NDF: 3833.6/43

All: 75.048+/-25.920 χ^2/NDF: 10568.7/89

- sign -323.358+/-35.693 χ^2/NDF: 6471.5/45

asym_bcm0l02_rms vs Slug



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

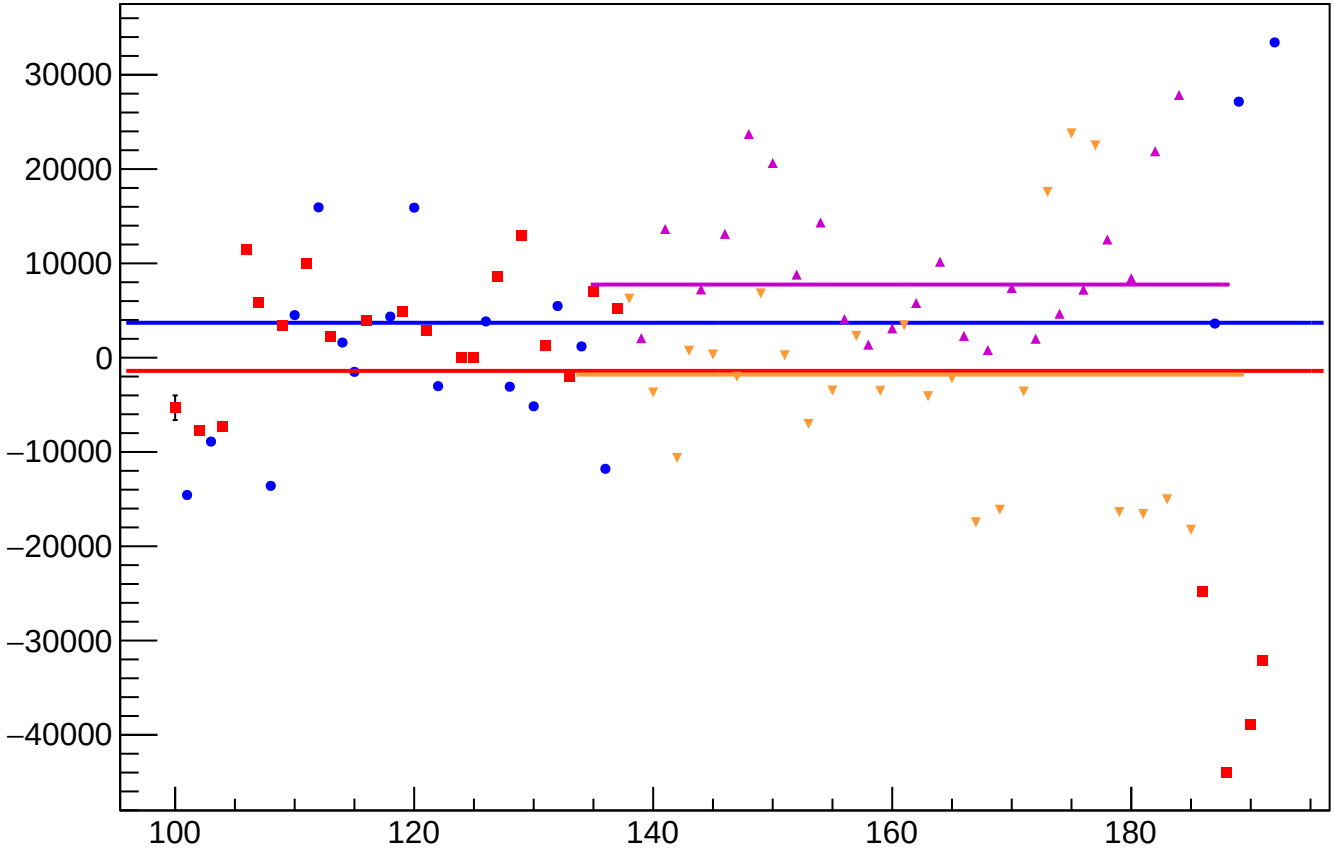
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 194.077+/-0.027 χ^2/NDF: 2187235.8/43

All: 186.512+/-0.018 χ^2/NDF: 5338658.6/89

- sign 179.732+/-0.025 χ^2/NDF: 2998748.0/45

asym_bpm0i02WS_mean vs Slug



Right In: 3701.488+/-50.519 χ^2/NDF: 70052.0/18

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -1399.635+/-48.194 χ^2/NDF: 106213.2/22

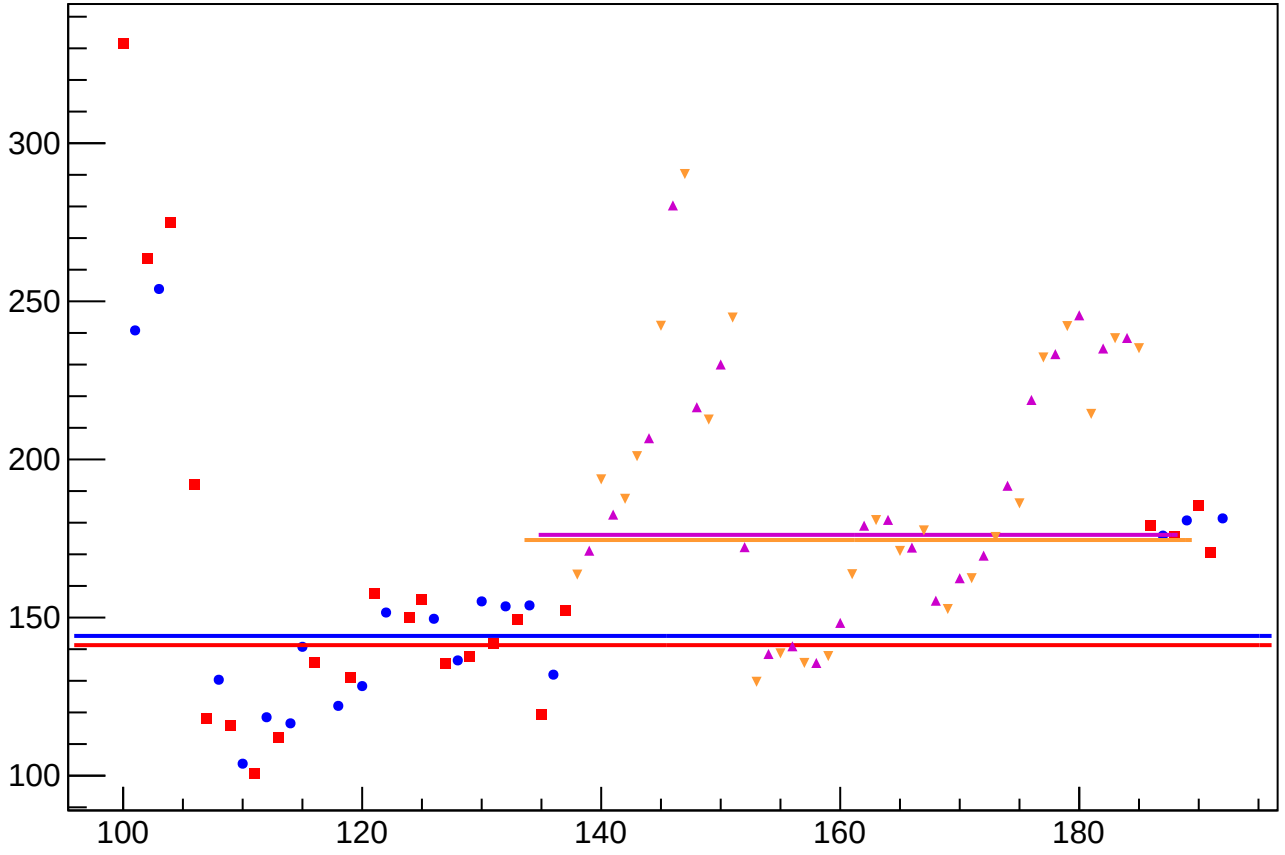
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

\+ sign 384.749+/-31.793 χ^2/NDF: 142935.0/43

All: 2057.590+/-22.521 χ^2/NDF: 298248.5/89

\- sign 3742.374+/-31.906 χ^2/NDF: 149756.7/45

asym_bpm0i02WS_rms vs Slug



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

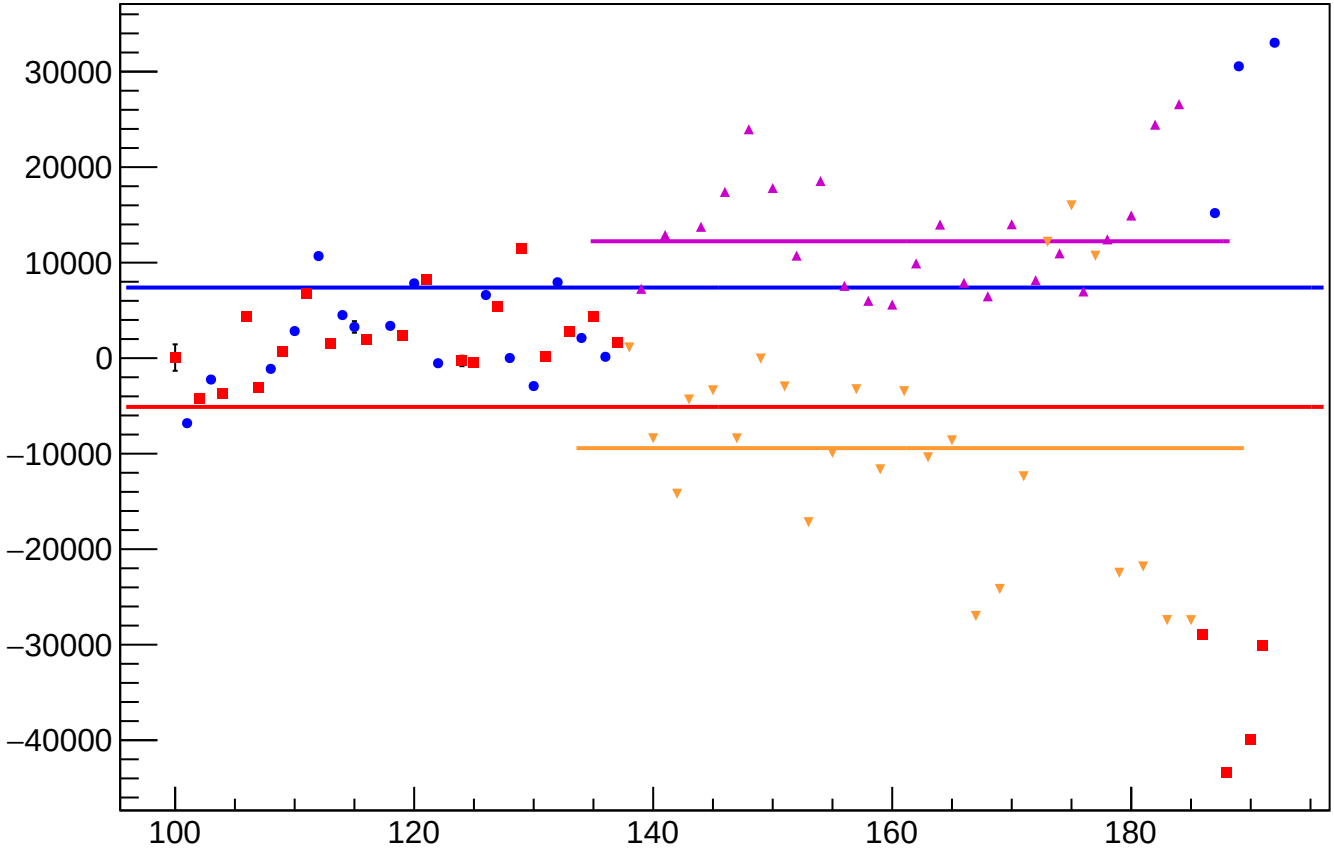
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 162.510+/-0.022 χ^2/NDF: 2908876.9/43

All: 161.693+/-0.016 χ^2/NDF: 5945334.1/89

- sign 160.870+/-0.023 χ^2/NDF: 3033803.4/45

asym_bpm0i02aWS_mean vs Slug



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

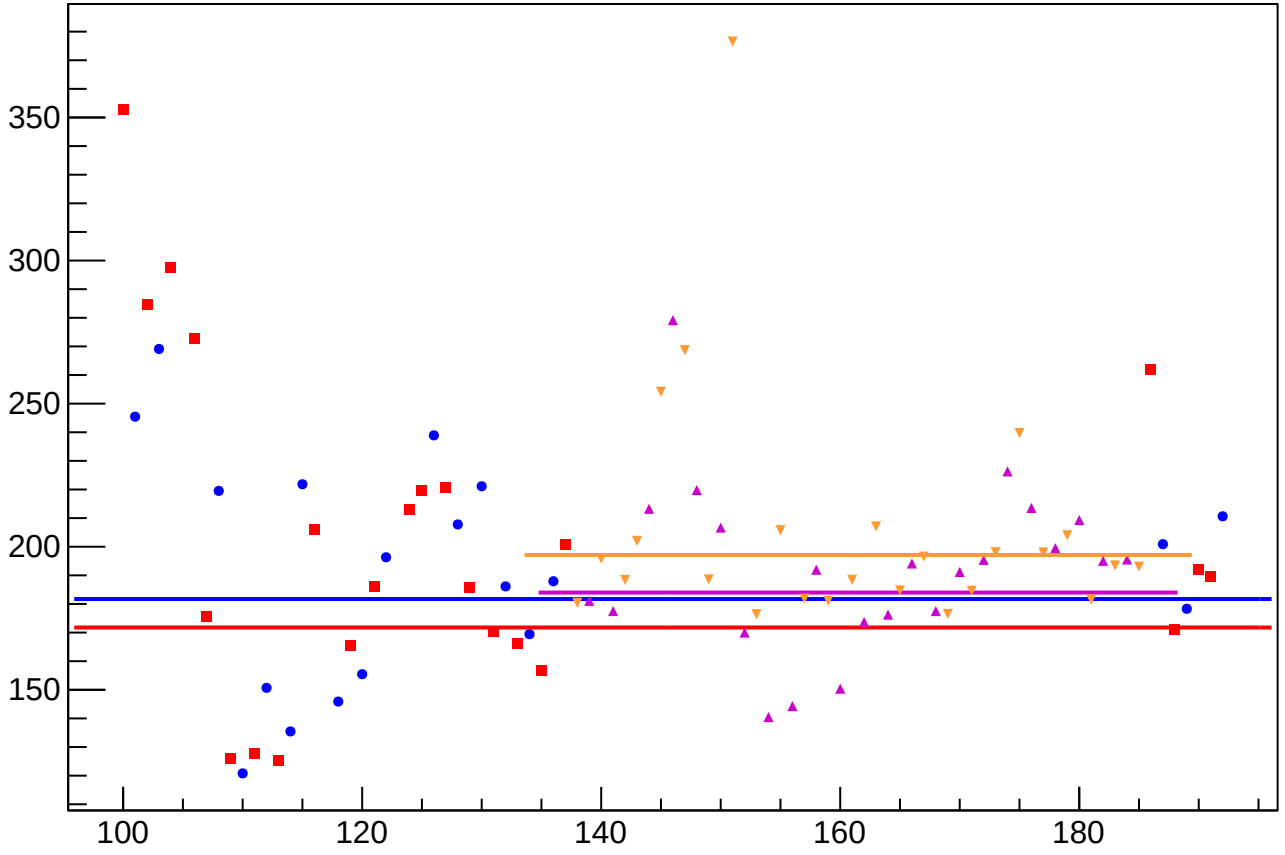
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -3632.122+/-37.005 χ^2/NDF: 143396.5/43

All: 1381.609+/-25.525 χ^2/NDF: 335037.4/89

- sign 5932.289+/-35.255 χ^2/NDF: 156622.9/45

asym_bpm0i02aWS_rms vs Slug



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

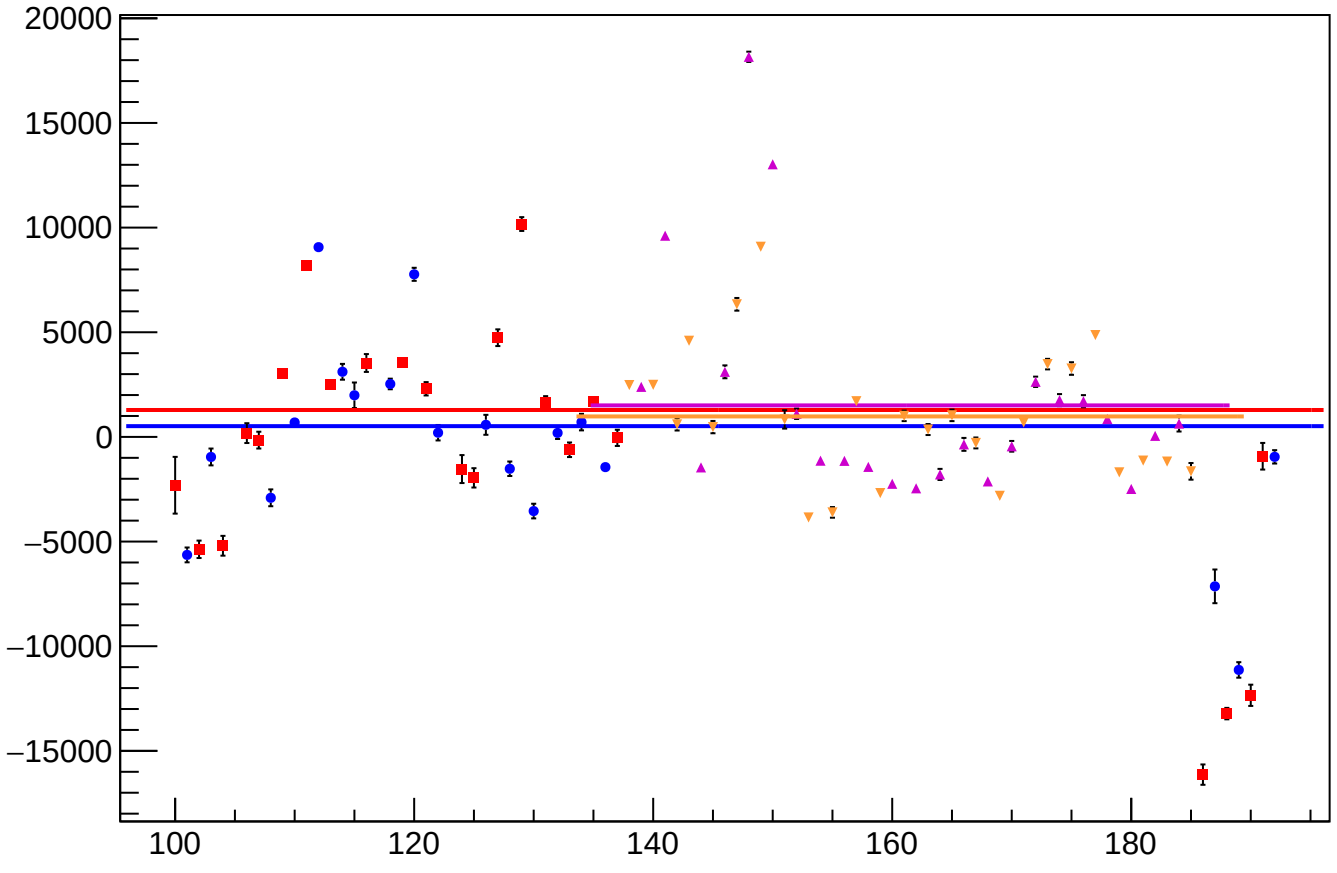
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.820+/-0.026 χ^2/NDF: 1529737.5/43

All: 185.385+/-0.018 χ^2/NDF: 3624443.6/89

- sign 179.545+/-0.025 χ^2/NDF: 1979340.7/45

asym_bpm0i05WS_mean vs Slug



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

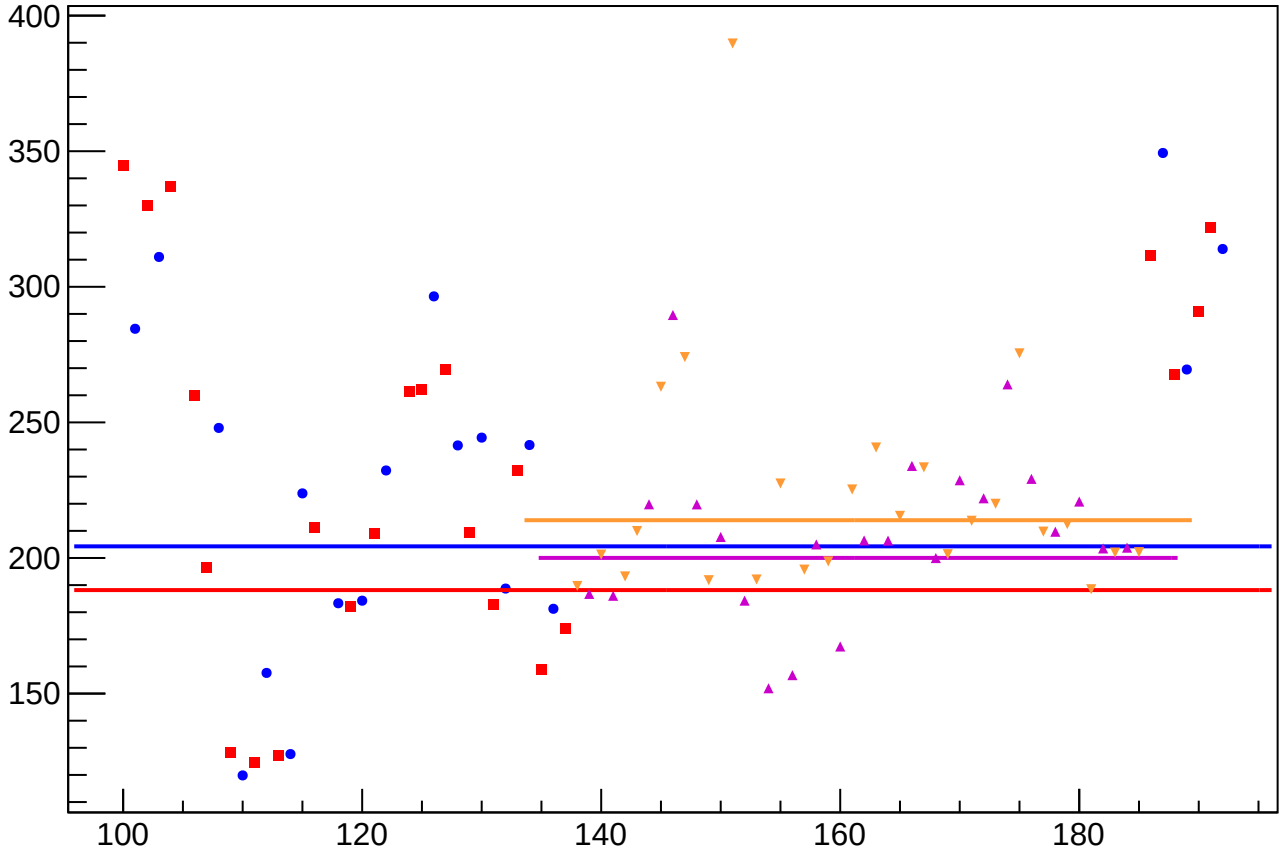
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 829.545+/-40.882 χ^2/NDF: 8174.4/43

All: 1145.060+/-28.121 χ^2/NDF: 27565.6/89

- sign 1428.405+/-38.742 χ^2/NDF: 19278.1/45

asym_bpm0i05WS_rms vs Slug



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

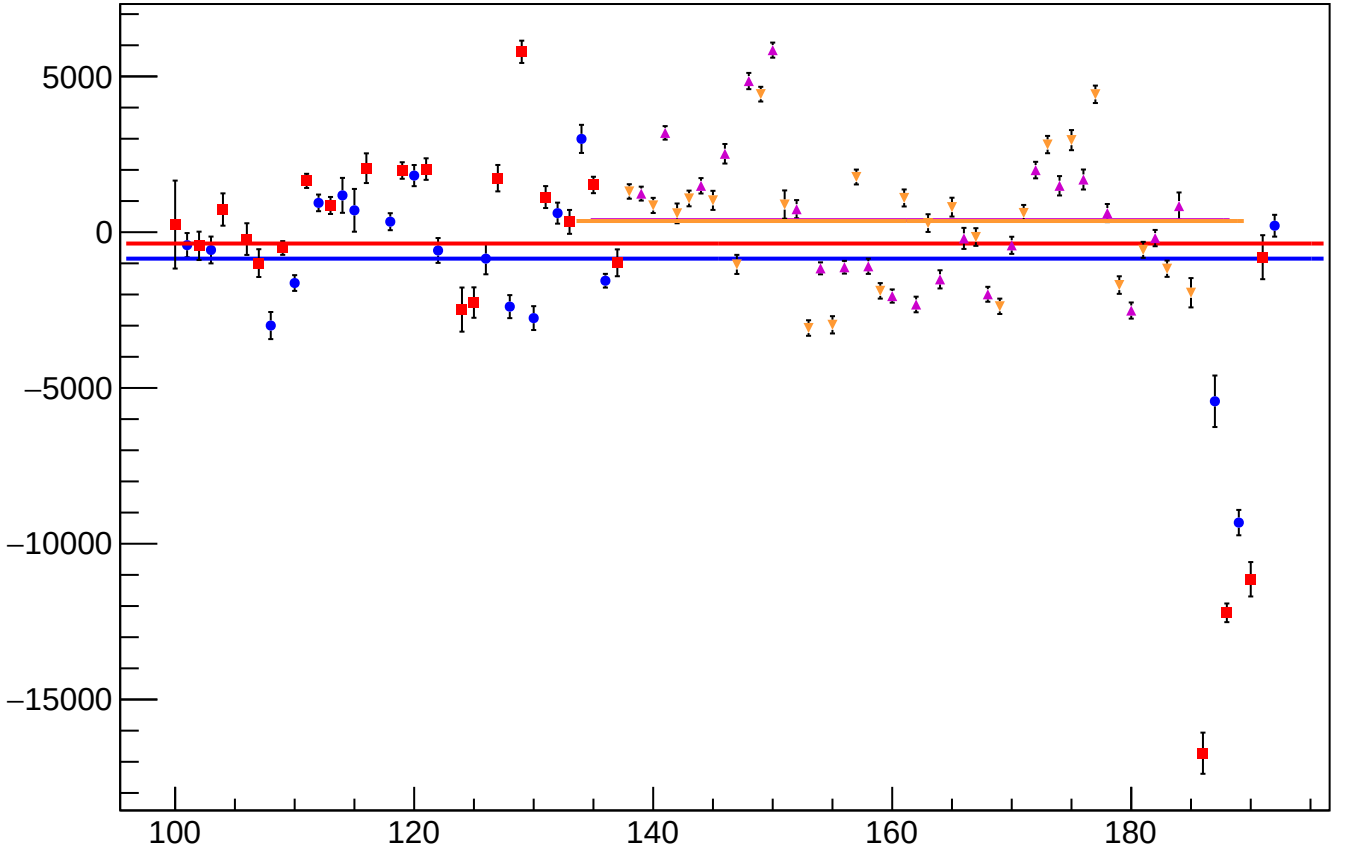
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 210.838+/-0.029 χ^2/NDF: 2122821.2/43

All: 202.956+/-0.020 χ^2/NDF: 4969946.6/89

- sign 195.878+/-0.027 χ^2/NDF: 2706034.5/45

asym_bpm0i07WS_mean vs Slug



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

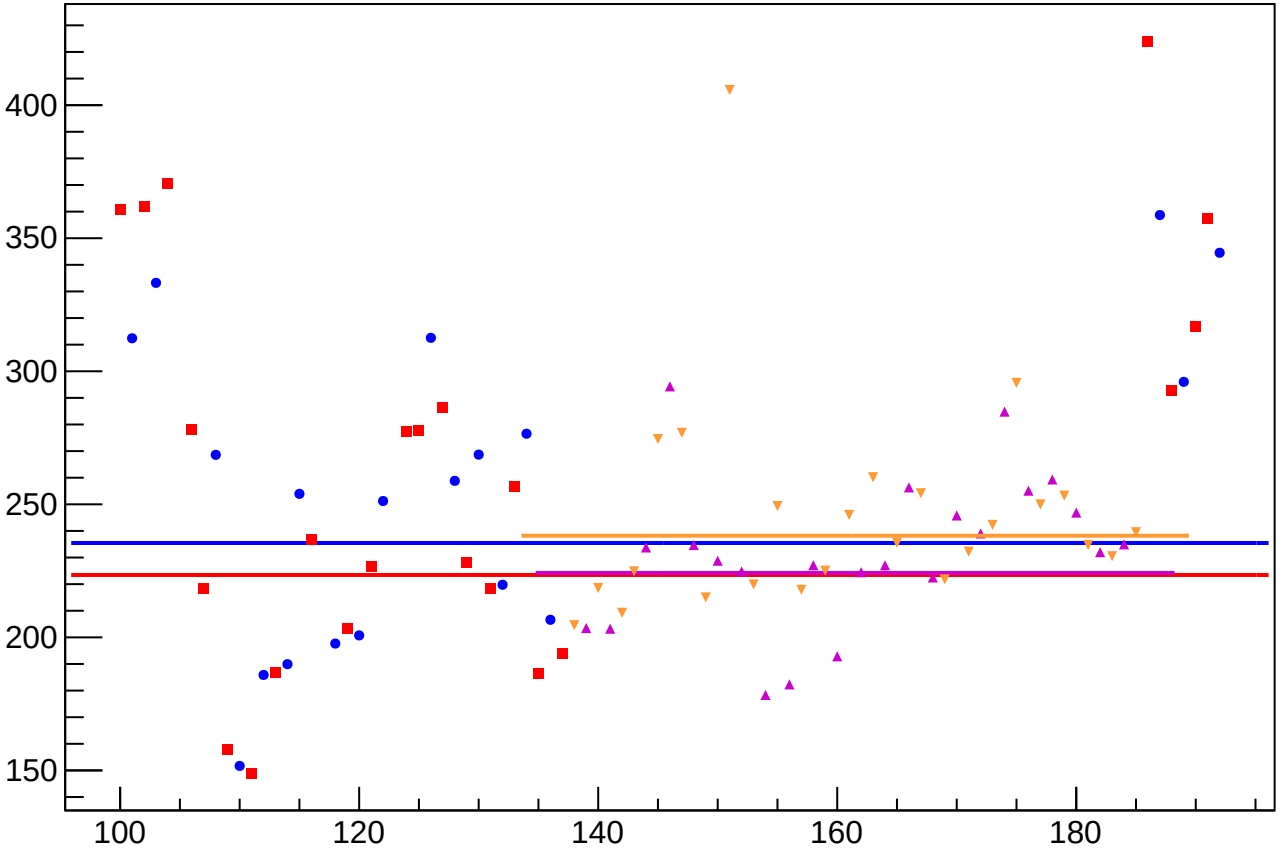
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.921+/-45.672 χ^2/NDF: 2364.7/43

All: 65.082+/-31.627 χ^2/NDF: 7475.5/89

- sign 139.712+/-43.838 χ^2/NDF: 5104.8/45

asym_bpm0i07WS_rms vs Slug



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

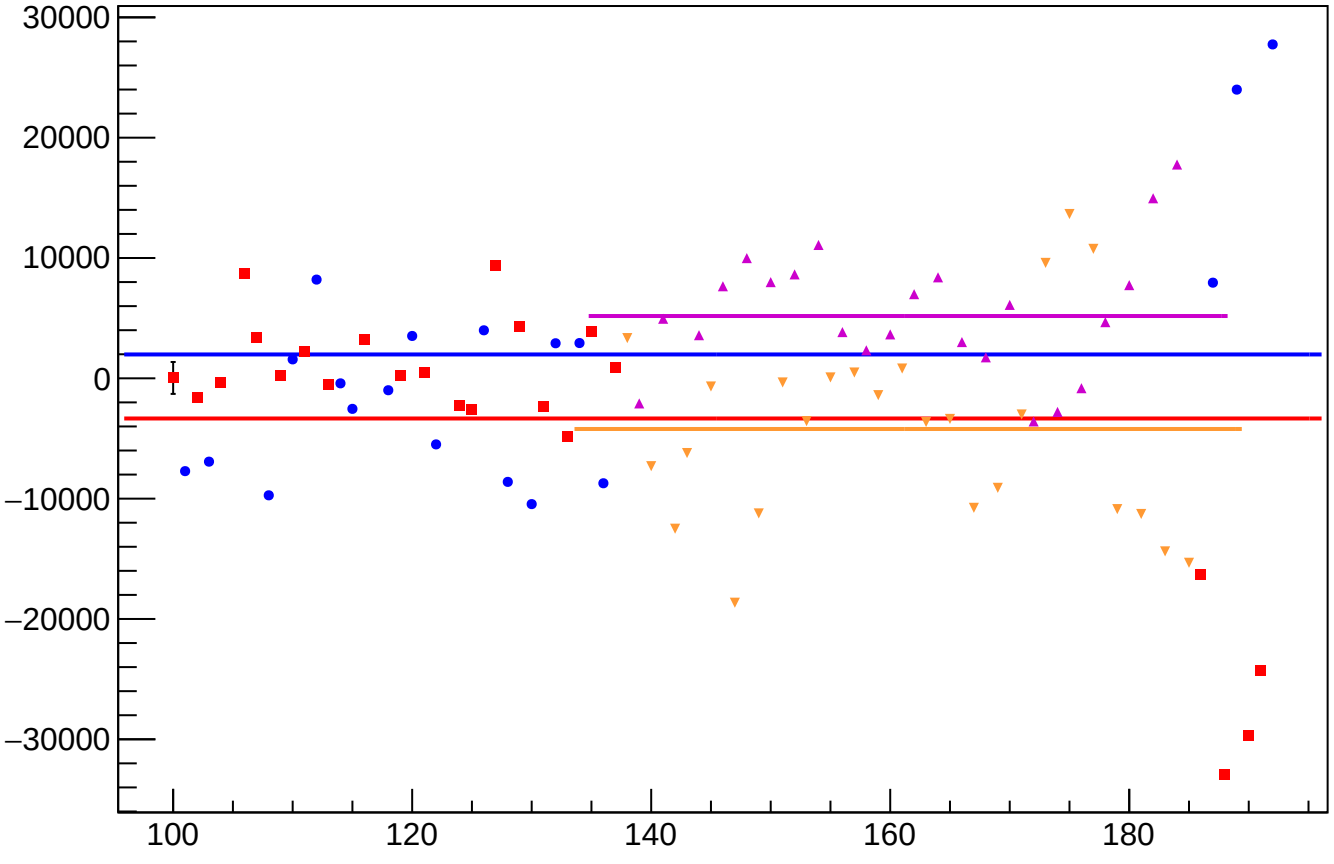
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 237.351+/-0.032 χ^2/NDF: 1536350.0/43

All: 230.381+/-0.022 χ^2/NDF: 3585600.8/89

- sign 223.959+/-0.031 χ^2/NDF: 1959741.1/45

asym_bpm1i02WS_mean vs Slug



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

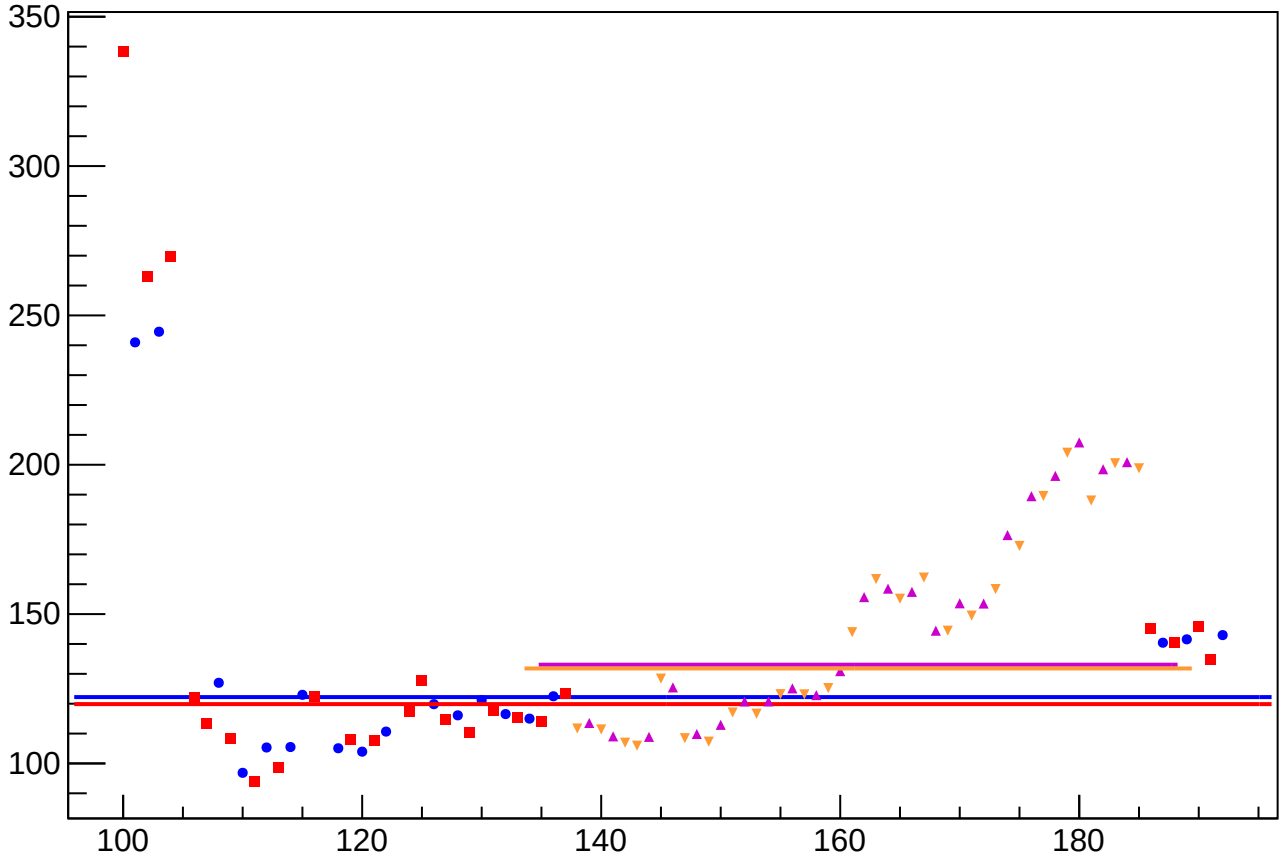
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -2107.278+/-25.054 χ^2/NDF: 138965.5/43

All: -89.544+/-17.765 χ^2/NDF: 277713.4/89

- sign 1950.716+/-25.193 χ^2/NDF: 125703.5/45

asym_bpm1i02WS_rms vs Slug



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

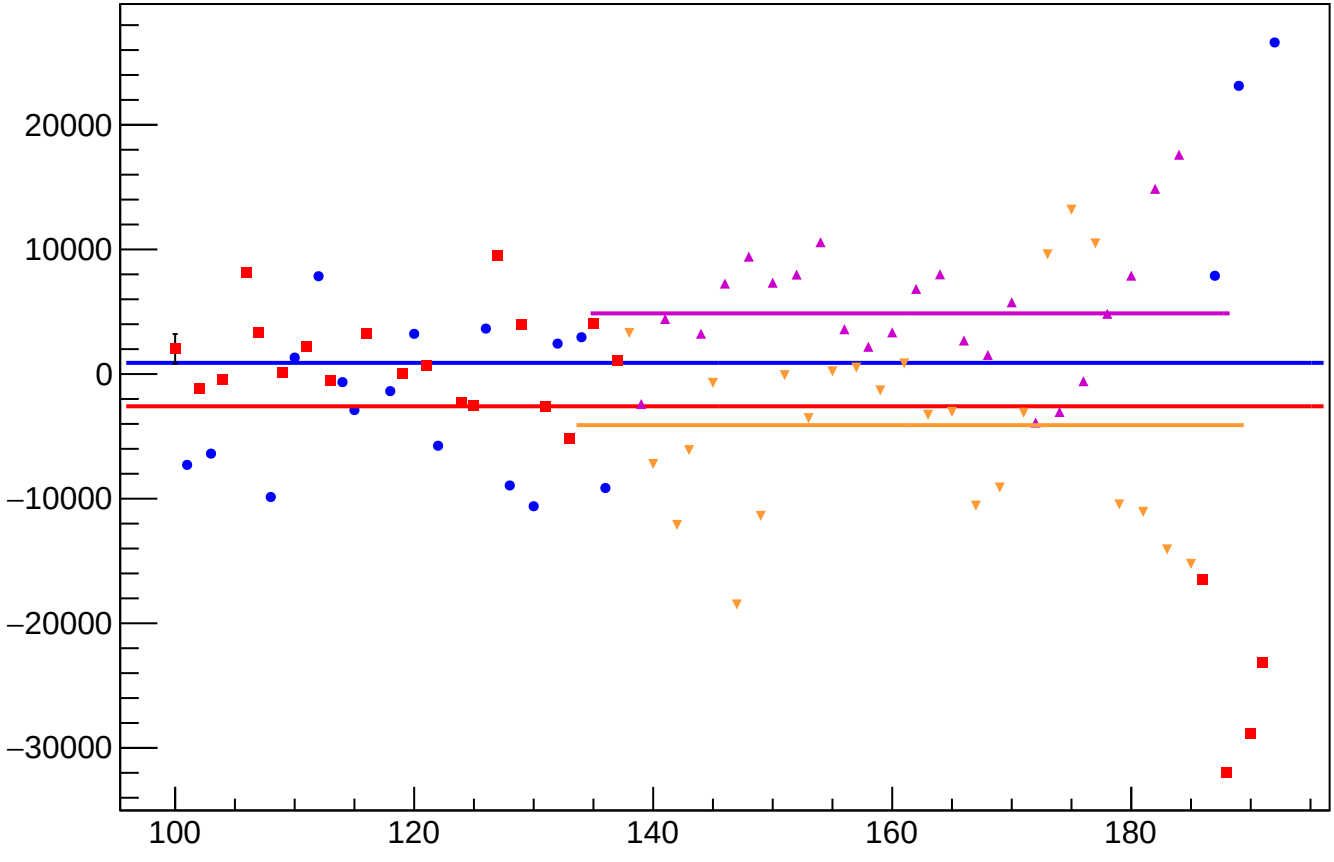
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 128.544+/-0.018 χ^2/NDF: 2422614.0/43

All: 128.303+/-0.013 χ^2/NDF: 4945425.9/89

- sign 128.059+/-0.018 χ^2/NDF: 2522439.4/45

asym_bpm2i01WS_mean vs Slug



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

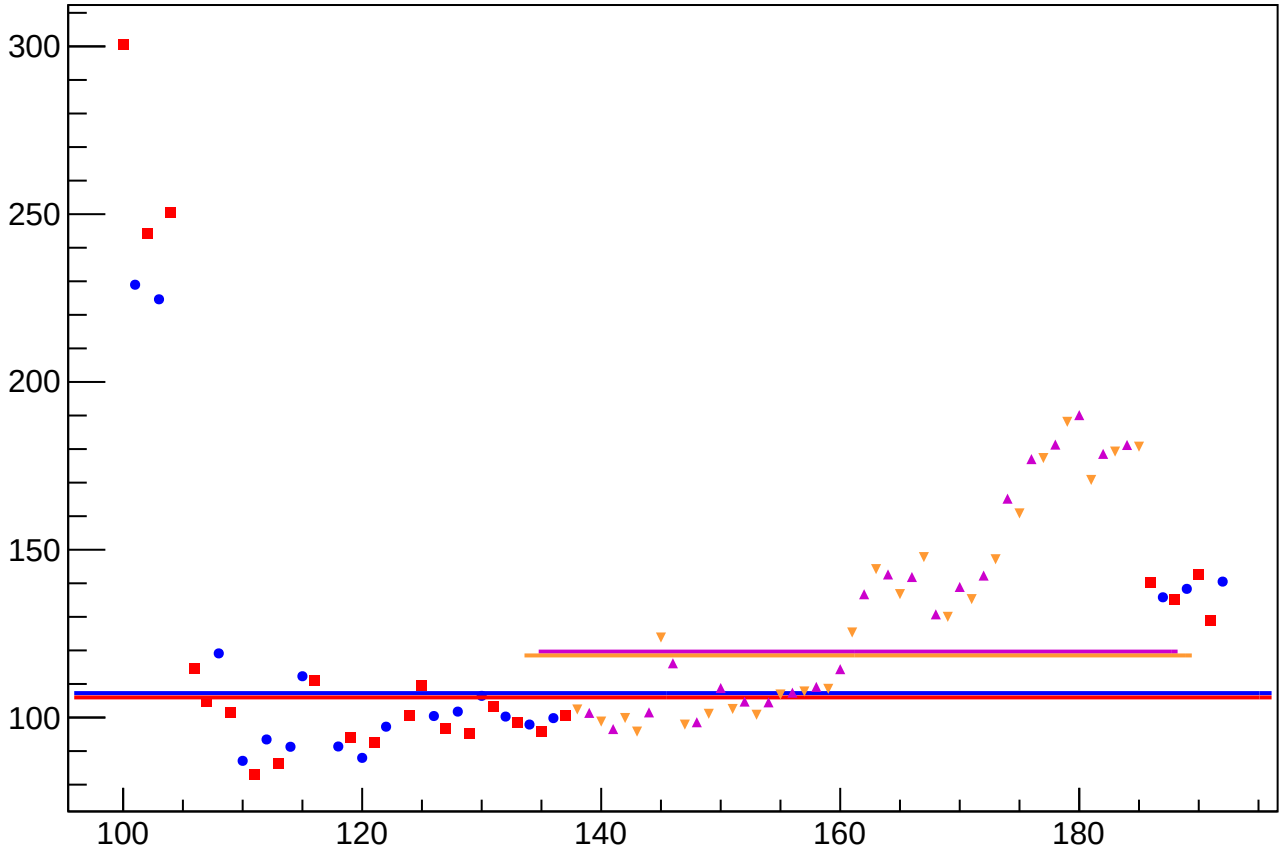
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

\+ sign -2364.706+/-22.442 χ^2/NDF: 151677.4/43

All: -195.493+/-15.929 χ^2/NDF: 303651.7/89

\- sign 2007.044+/-22.613 χ^2/NDF: 133144.3/45

asym_bpm2i01WS_rms vs Slug



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

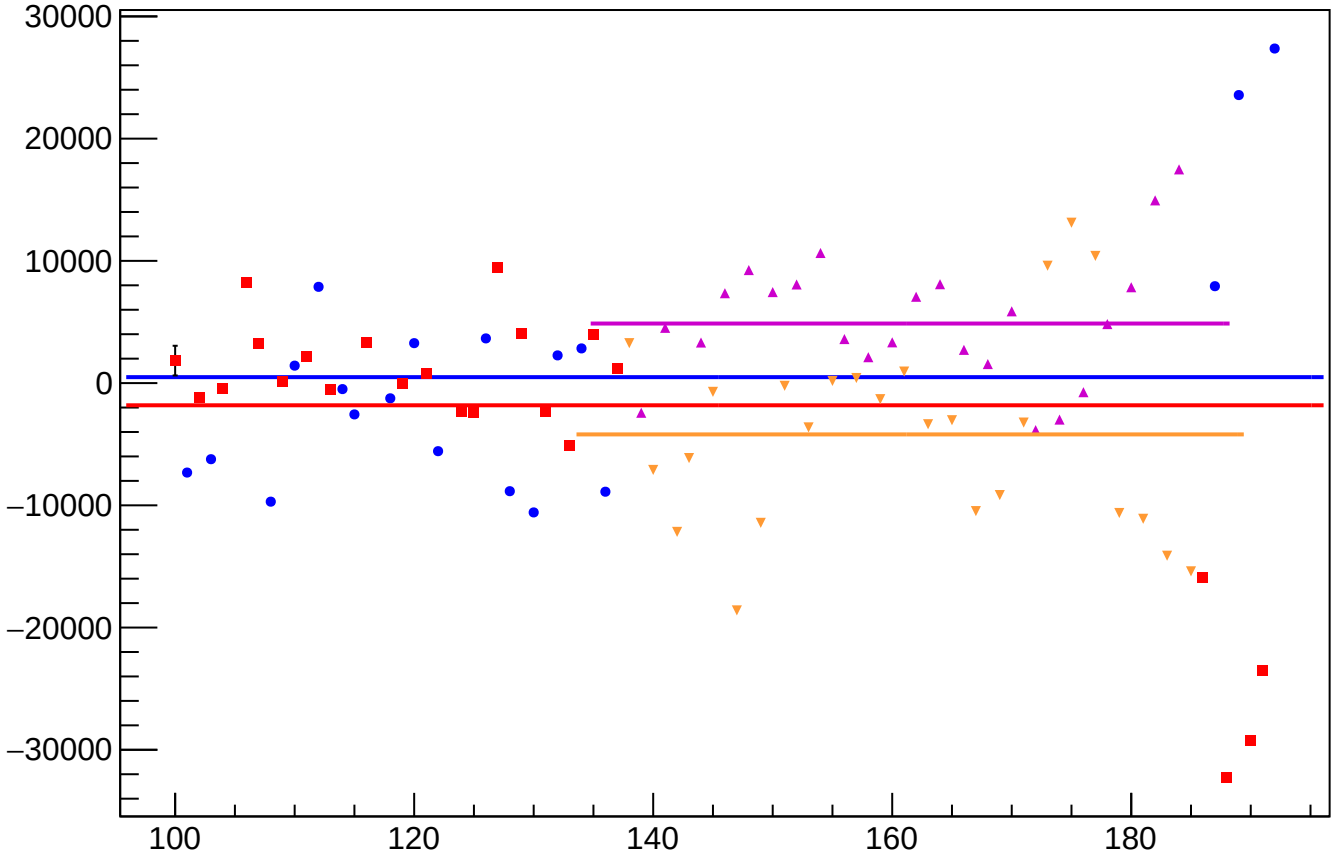
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 114.607+/-0.016 χ^2/NDF: 2768826.0/43

All: 114.507+/-0.011 χ^2/NDF: 5613417.3/89

- sign 114.405+/-0.016 χ^2/NDF: 2844511.0/45

asym_bpm2i02WS_mean vs Slug



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

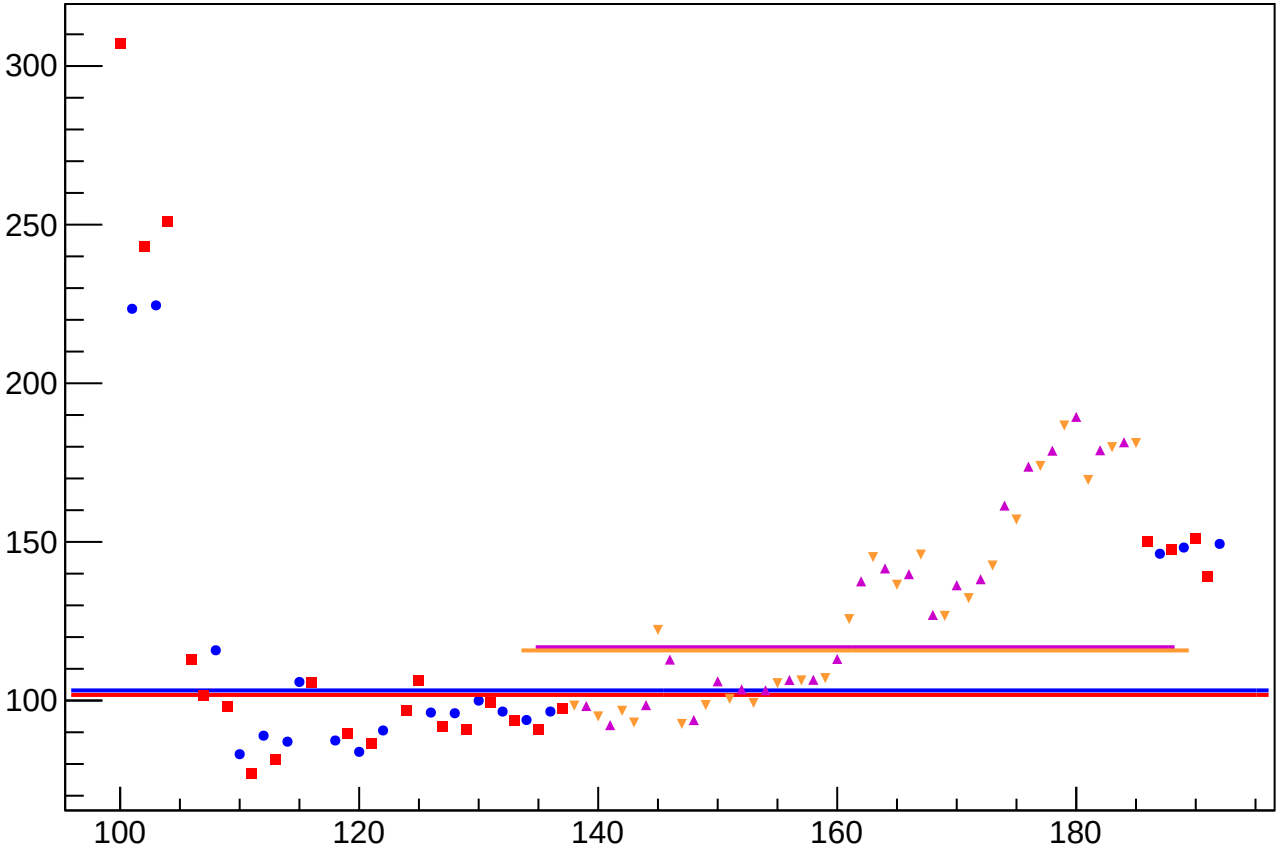
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

\+ sign -2550.994+/-21.913 χ^2/NDF: 153038.0/43

All: -152.801+/-15.546 χ^2/NDF: 299735.4/89

\- sign 2277.446+/-22.059 χ^2/NDF: 122583.3/45

asym_bpm2i02WS_rms vs Slug



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

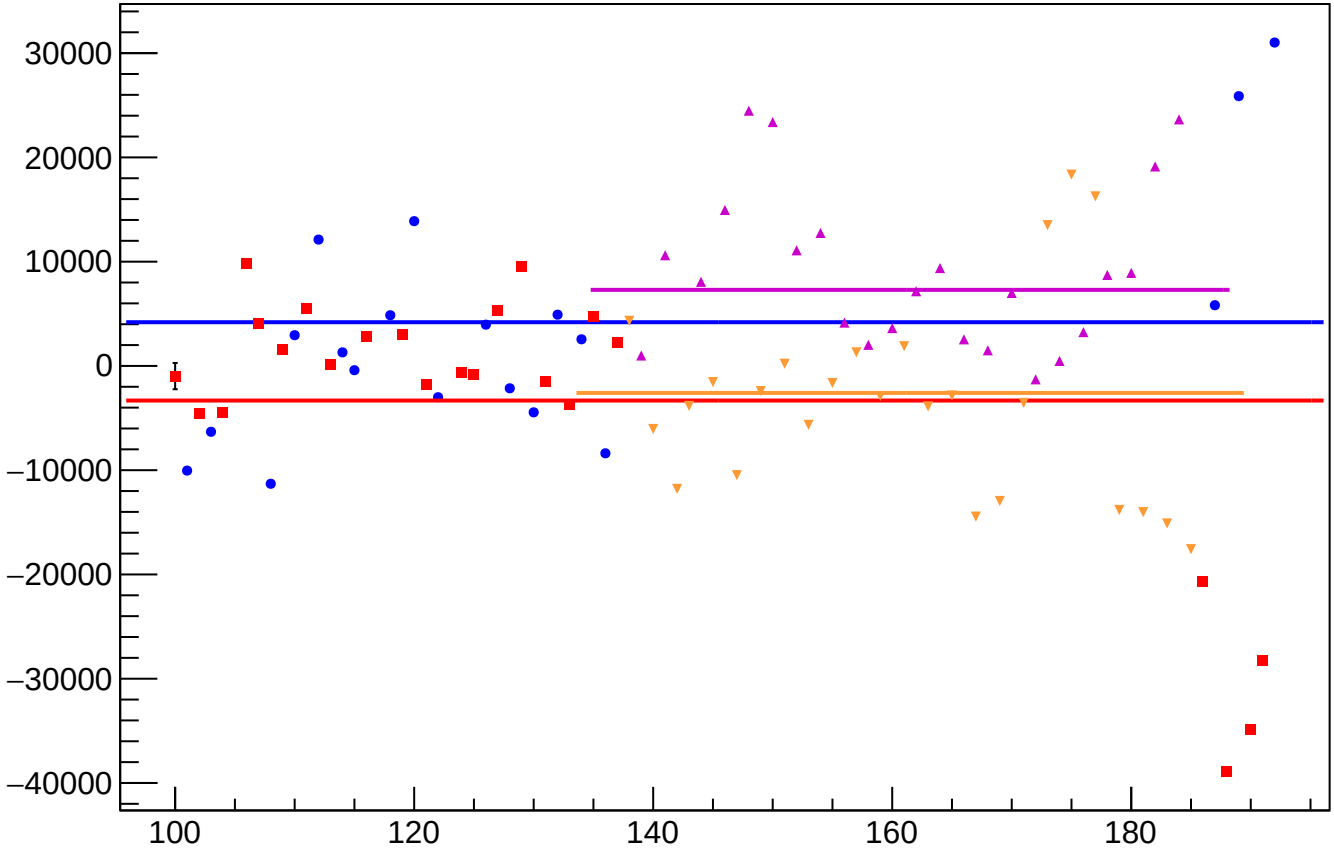
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 111.367+/-0.015 χ^2/NDF: 3117398.4/43

All: 111.171+/-0.011 χ^2/NDF: 6390562.1/89

- sign 110.972+/-0.016 χ^2/NDF: 3272840.4/45

asym_bpm0i01WS_mean vs Slug



Right In: 4192.819+/-50.836 χ^2/NDF: 53522.6/18

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -3319.619+/-49.118 χ^2/NDF: 75892.5/22

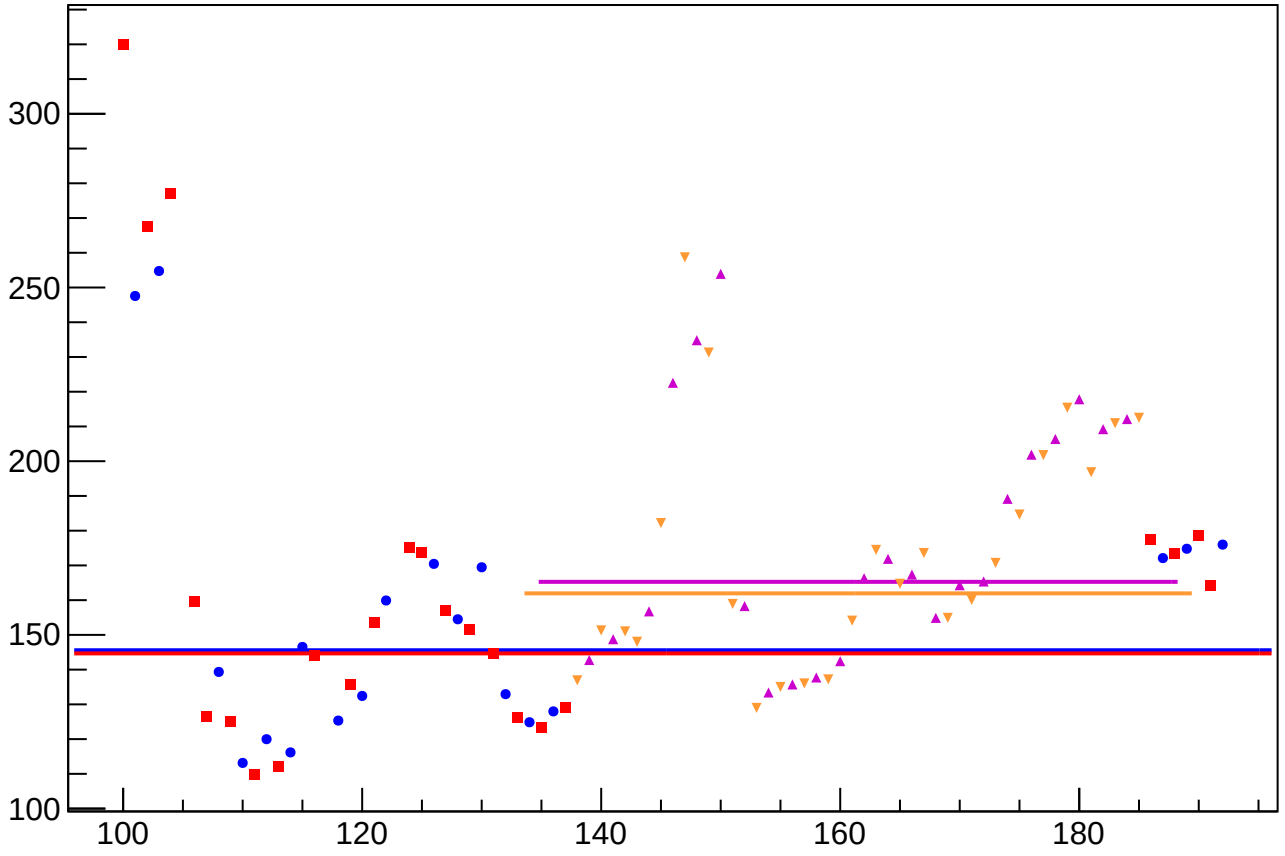
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign -188.866+/-30.252 χ^2/NDF: 113019.7/43

All: 1433.669+/-21.589 χ^2/NDF: 247841.0/89

- sign 3117.358+/-30.817 χ^2/NDF: 128959.7/45

asym_bpm0i01WS_rms vs Slug



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

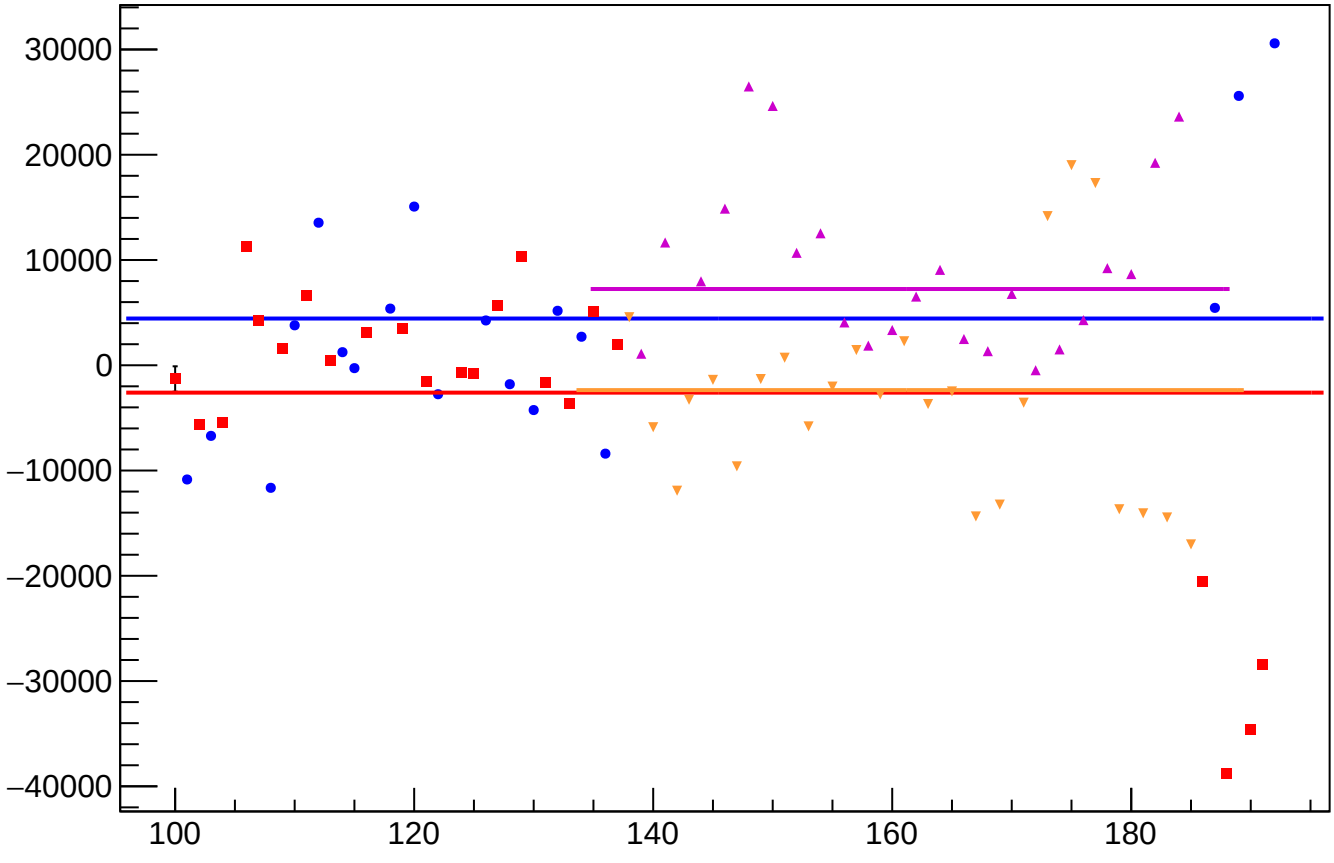
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 156.156+/-0.021 χ^2/NDF: 2066015.3/43

All: 156.651+/-0.015 χ^2/NDF: 4393306.3/89

- sign 157.164+/-0.022 χ^2/NDF: 2326202.5/45

asym_bpm0i01aWS_mean vs Slug



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

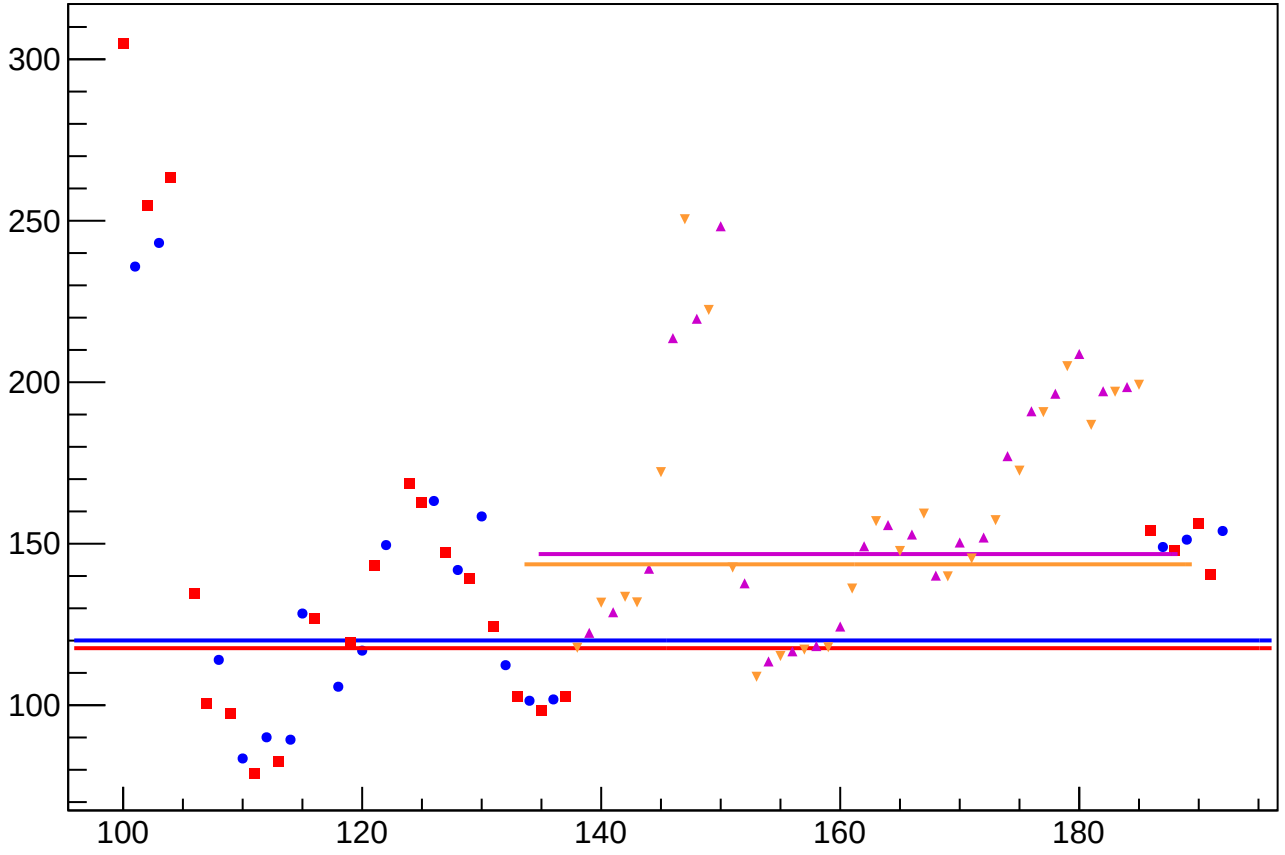
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

\+ sign 240.284+/-26.467 χ^2/NDF: 148002.2/43

All: 1609.216+/-18.837 χ^2/NDF: 323644.2/89

\- sign 3014.208+/-26.814 χ^2/NDF: 170221.3/45

asym_bpm0i01aWS_rms vs Slug



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

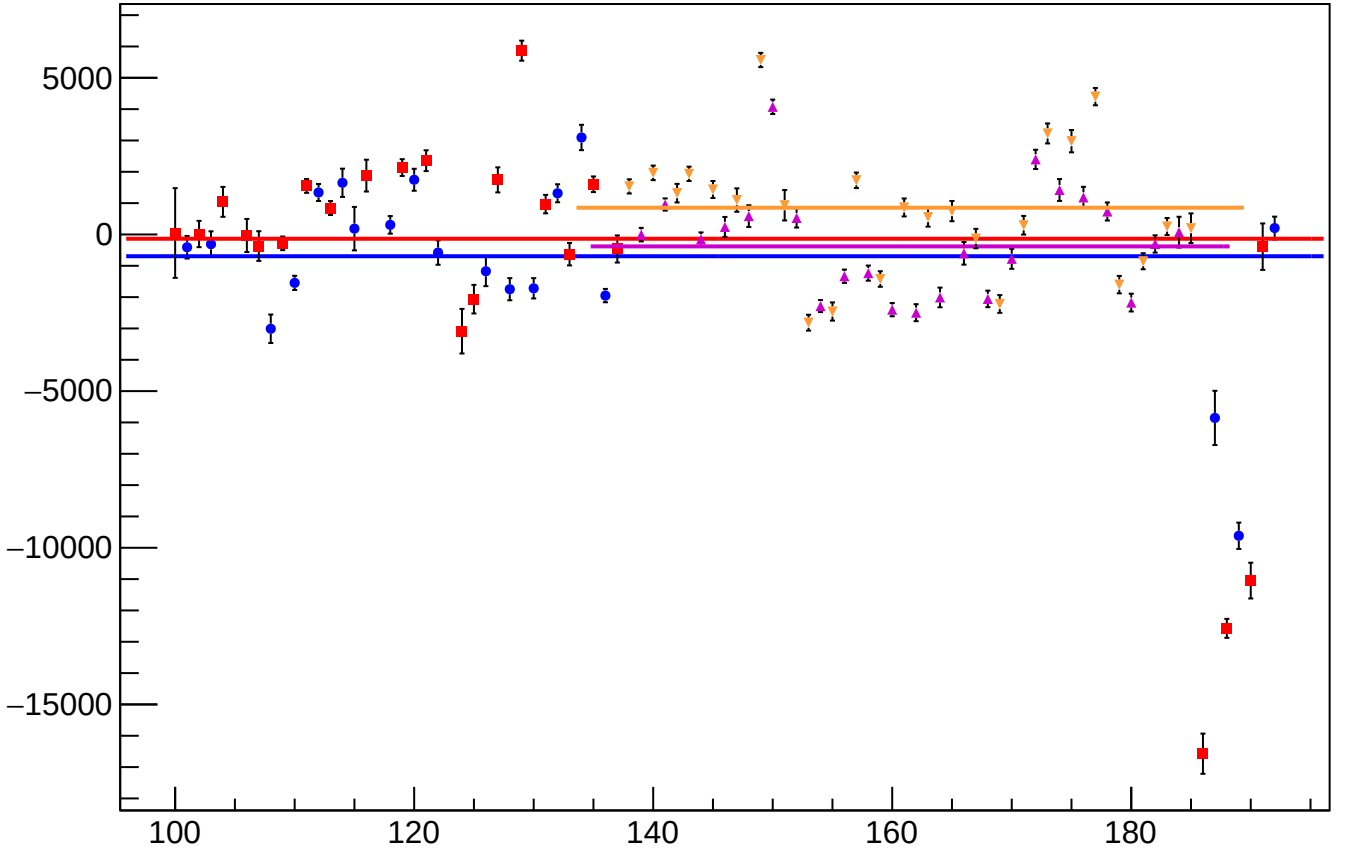
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 134.607+/-0.019 χ^2/NDF: 3325461.7/43

All: 134.441+/-0.013 χ^2/NDF: 7136609.8/89

- sign 134.272+/-0.019 χ^2/NDF: 3810989.7/45

asym_bpm0l01WS_mean vs Slug



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

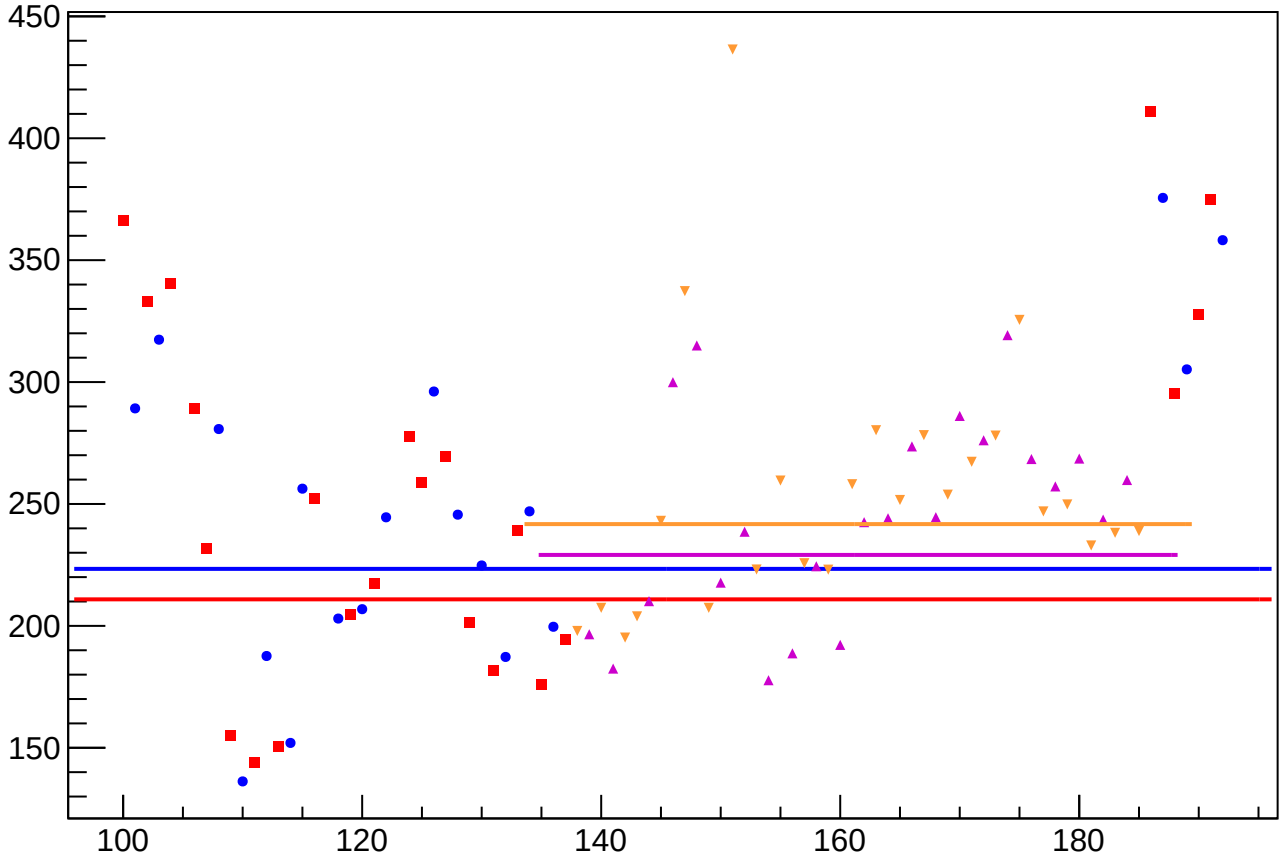
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 327.613+/-45.693 χ^2/NDF: 2573.3/43

All: 5.784+/-31.666 χ^2/NDF: 7073.1/89

- sign -291.611+/-43.924 χ^2/NDF: 4404.4/45

asym_bpm0l01WS_rms vs Slug



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

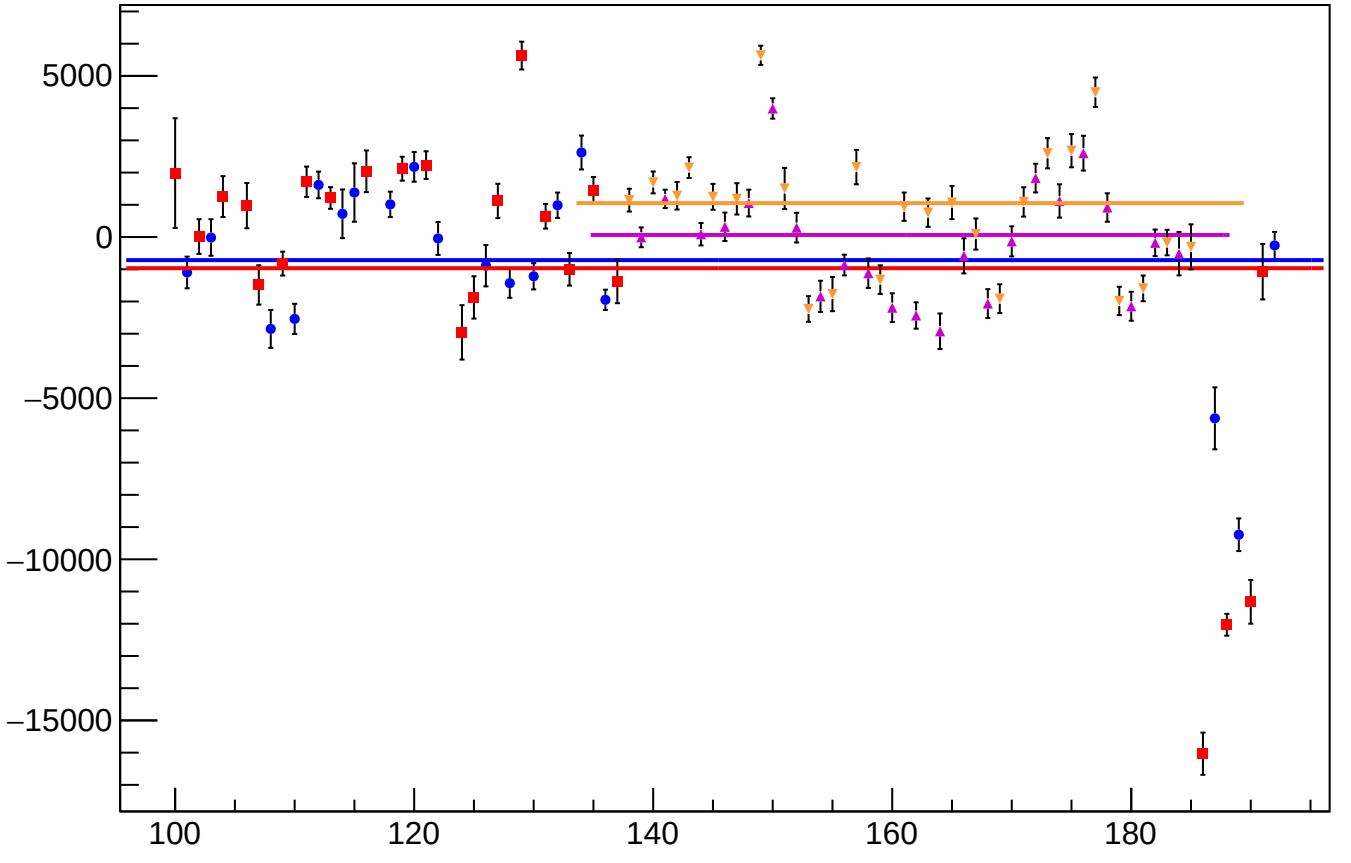
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

\+ sign 235.506+/-0.032 χ^2/NDF: 2199254.3/43

All: 228.718+/-0.022 χ^2/NDF: 4989956.9/89

\- sign 222.446+/-0.031 χ^2/NDF: 2705781.3/45

asym_bpm0l02WS_mean vs Slug



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

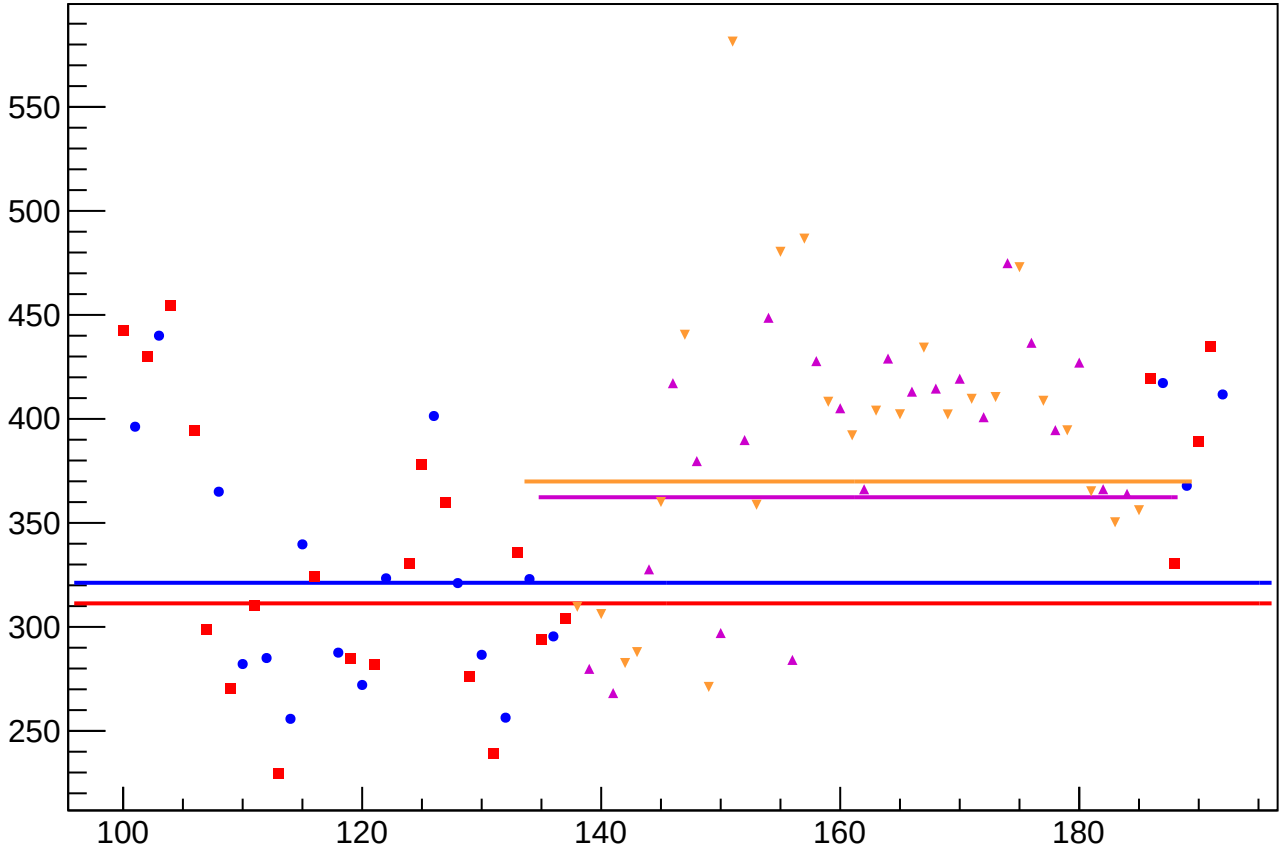
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 383.091+/-67.700 χ^2/NDF: 1295.8/43

All: 5.730+/-47.455 χ^2/NDF: 4194.0/89

- sign -358.787+/-66.538 χ^2/NDF: 2837.1/45

asym_bpm0l02WS_rms vs Slug



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

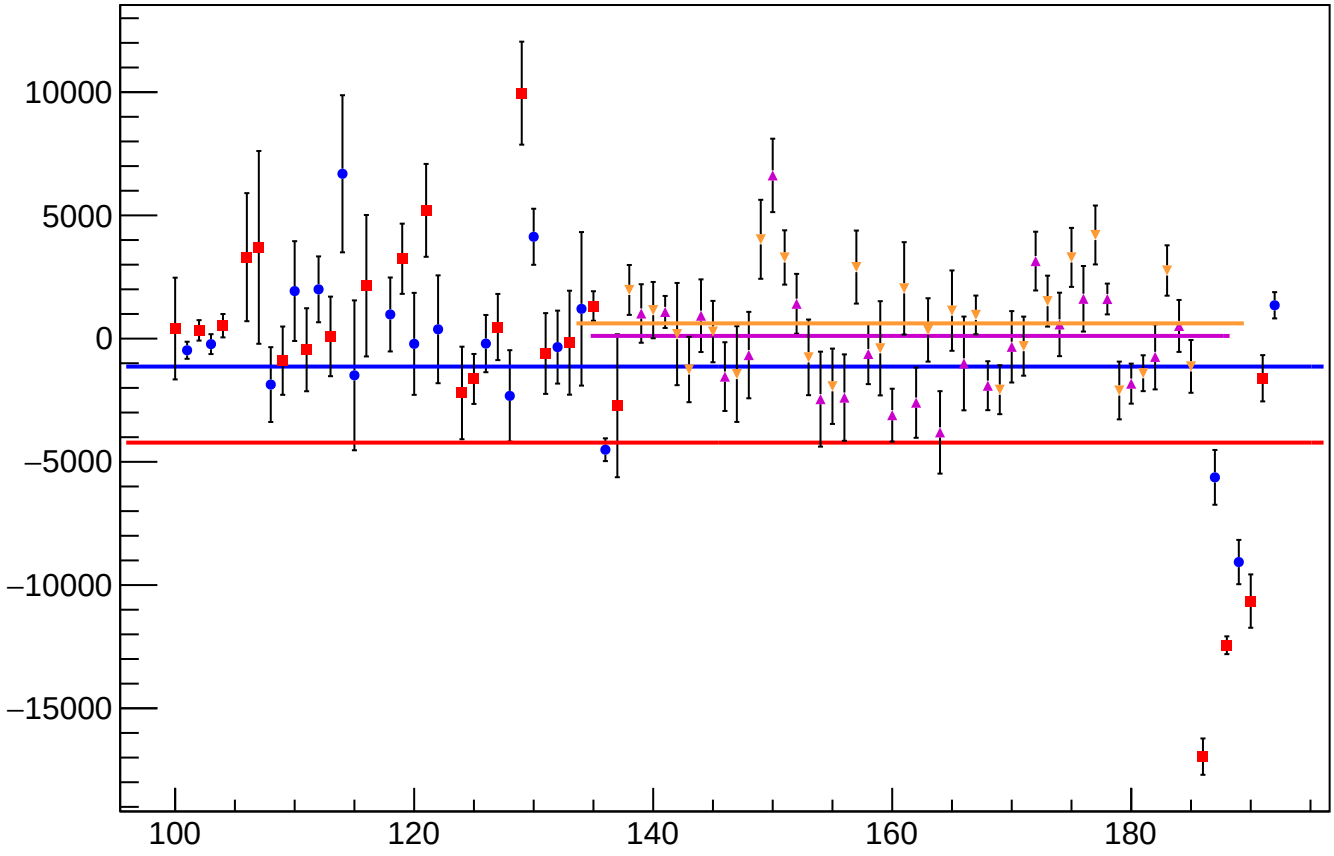
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 351.473+/-0.048 χ^2/NDF: 1945595.3/43

All: 346.348+/-0.034 χ^2/NDF: 3969529.1/89

- sign 341.398+/-0.047 χ^2/NDF: 2001402.4/45

asym_bpm0l03WS_mean vs Slug



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

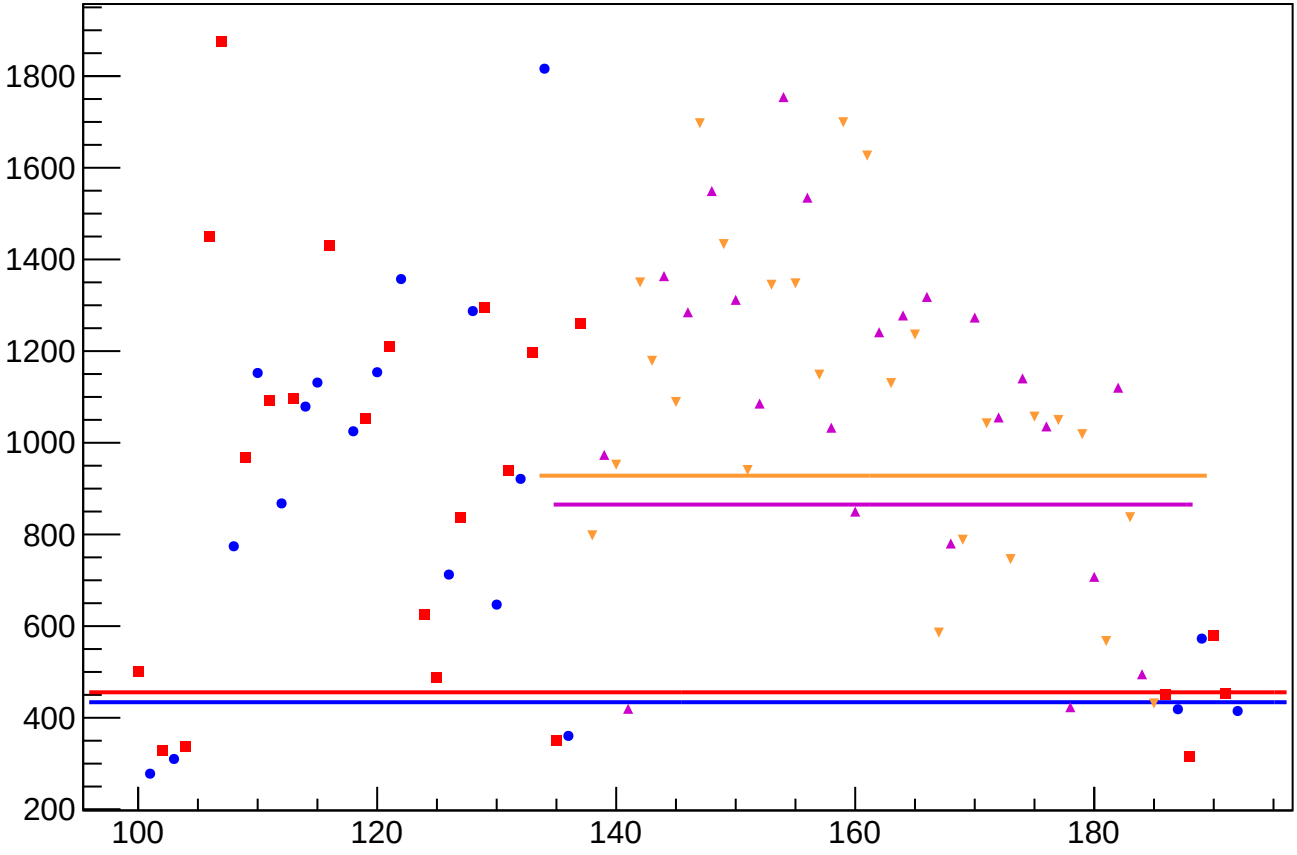
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign -477.699+/-145.781 χ^2/NDF: 317.7/43

All: -1549.688+/-102.808 χ^2/NDF: 2037.7/89

- sign -2610.315+/-145.007 χ^2/NDF: 1612.4/45

asym_bpm0l03WS_rms vs Slug



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

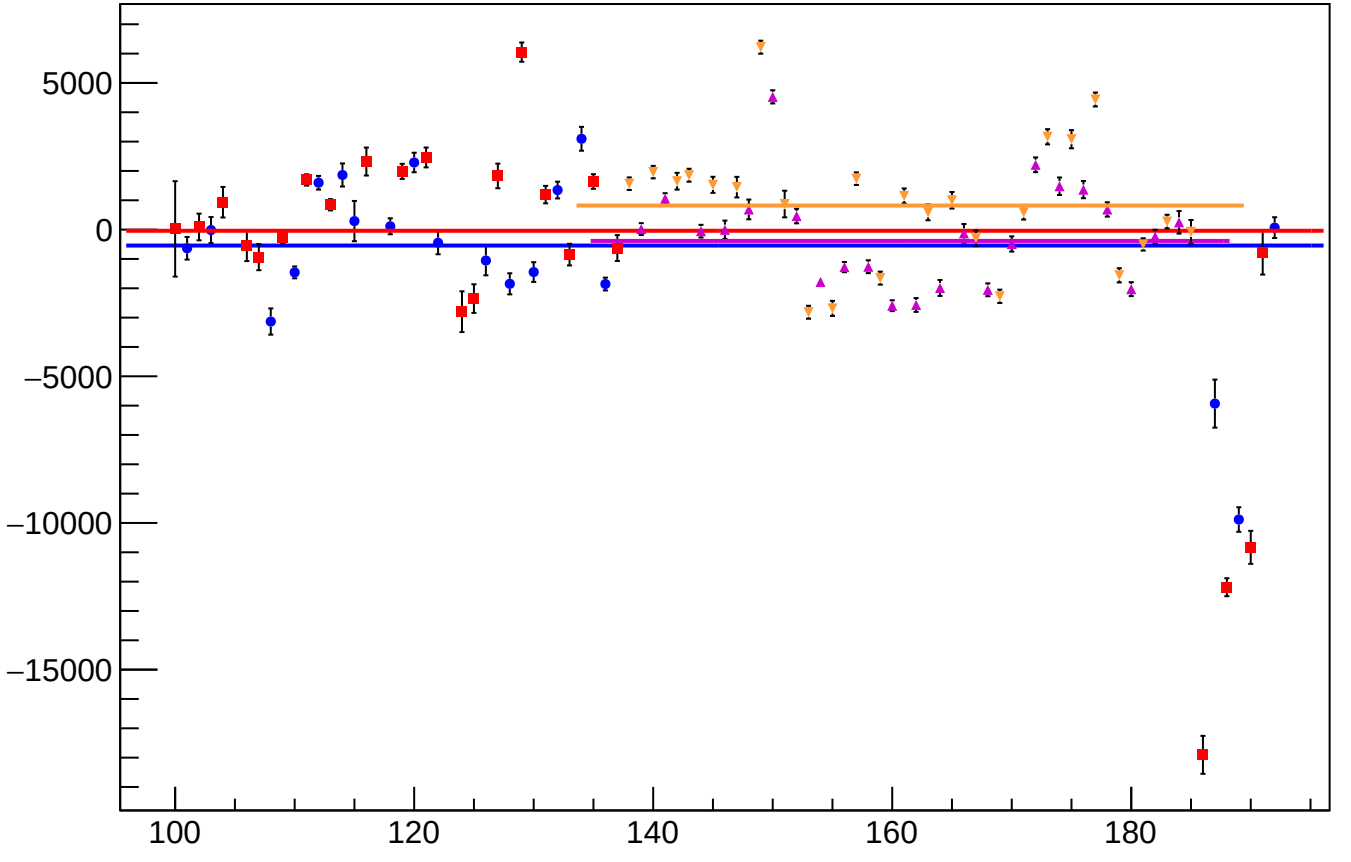
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 619.183+/-0.103 χ^2/NDF: 12254688.1/43

All: 613.507+/-0.073 χ^2/NDF: 24891191.1/89

- sign 607.891+/-0.103 χ^2/NDF: 12630471.7/45

asym_bpm0l04WS_mean vs Slug



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

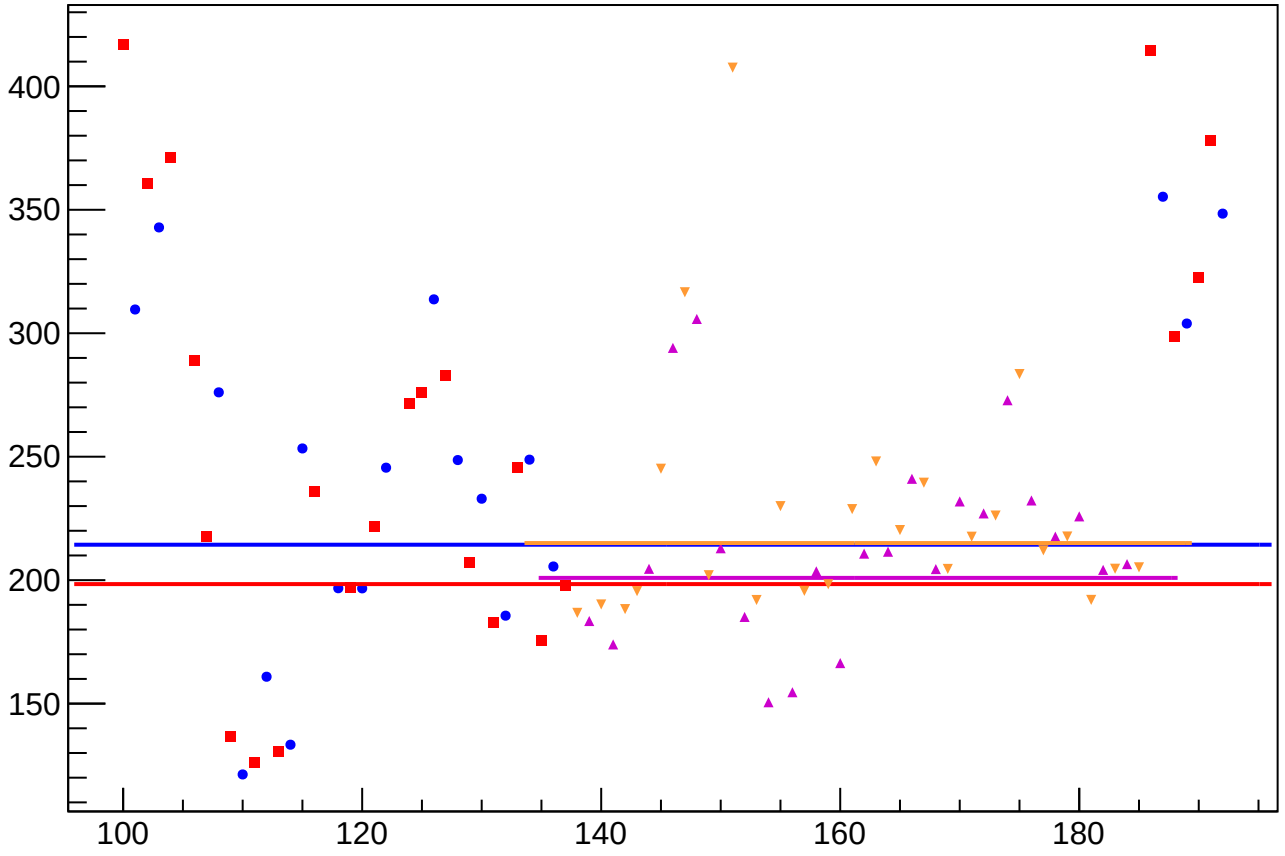
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 410.807+/-41.812 χ^2/NDF: 3196.6/43

All: 52.357+/-28.828 χ^2/NDF: 8036.1/89

- sign -272.448+/-39.801 χ^2/NDF: 4699.4/45

asym_bpm0l04WS_rms vs Slug



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

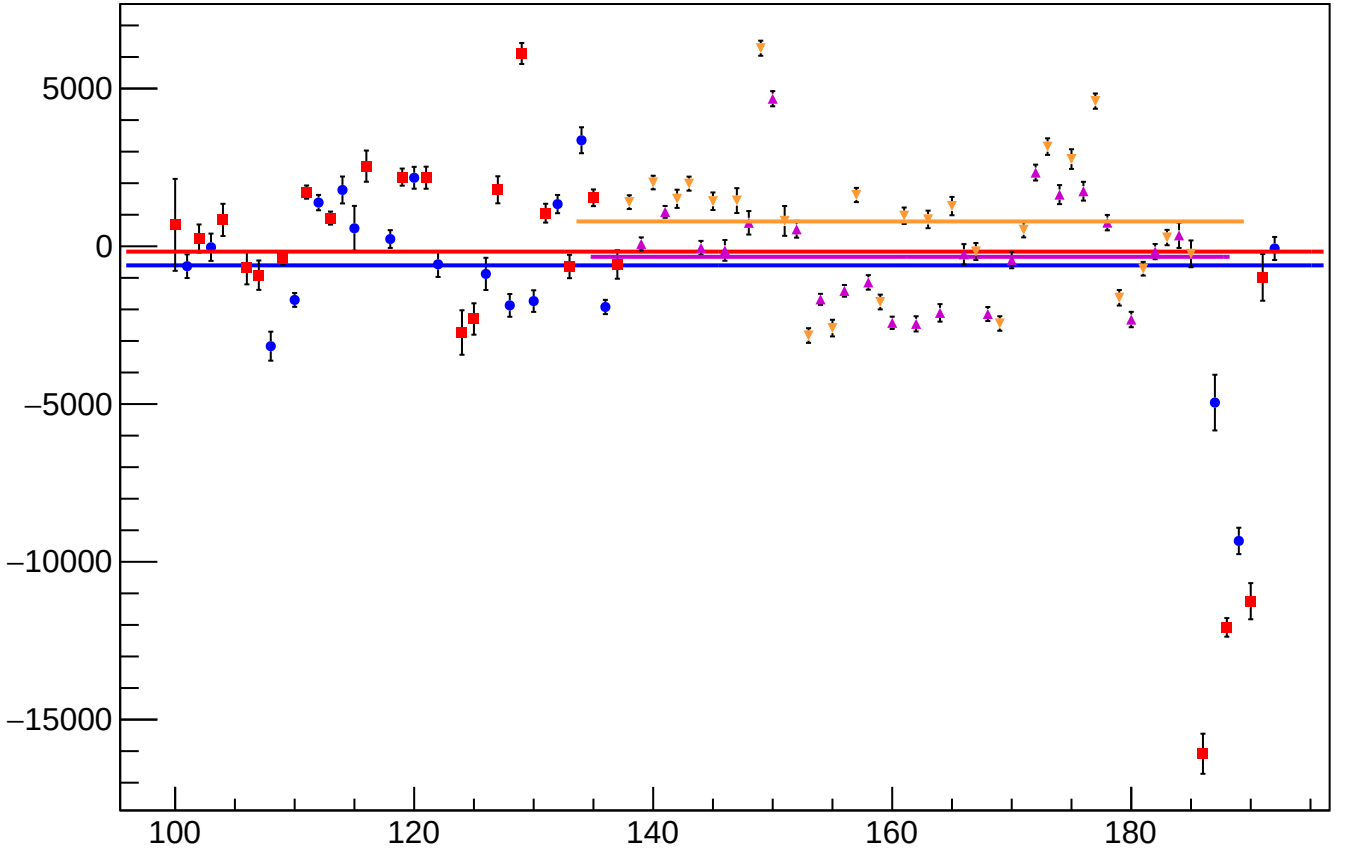
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 214.824+/-0.030 χ^2/NDF: 2447798.2/43

All: 207.099+/-0.020 χ^2/NDF: 5874228.5/89

- sign 200.099+/-0.028 χ^2/NDF: 3296298.2/45

asym_bpm0l05WS_mean vs Slug



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

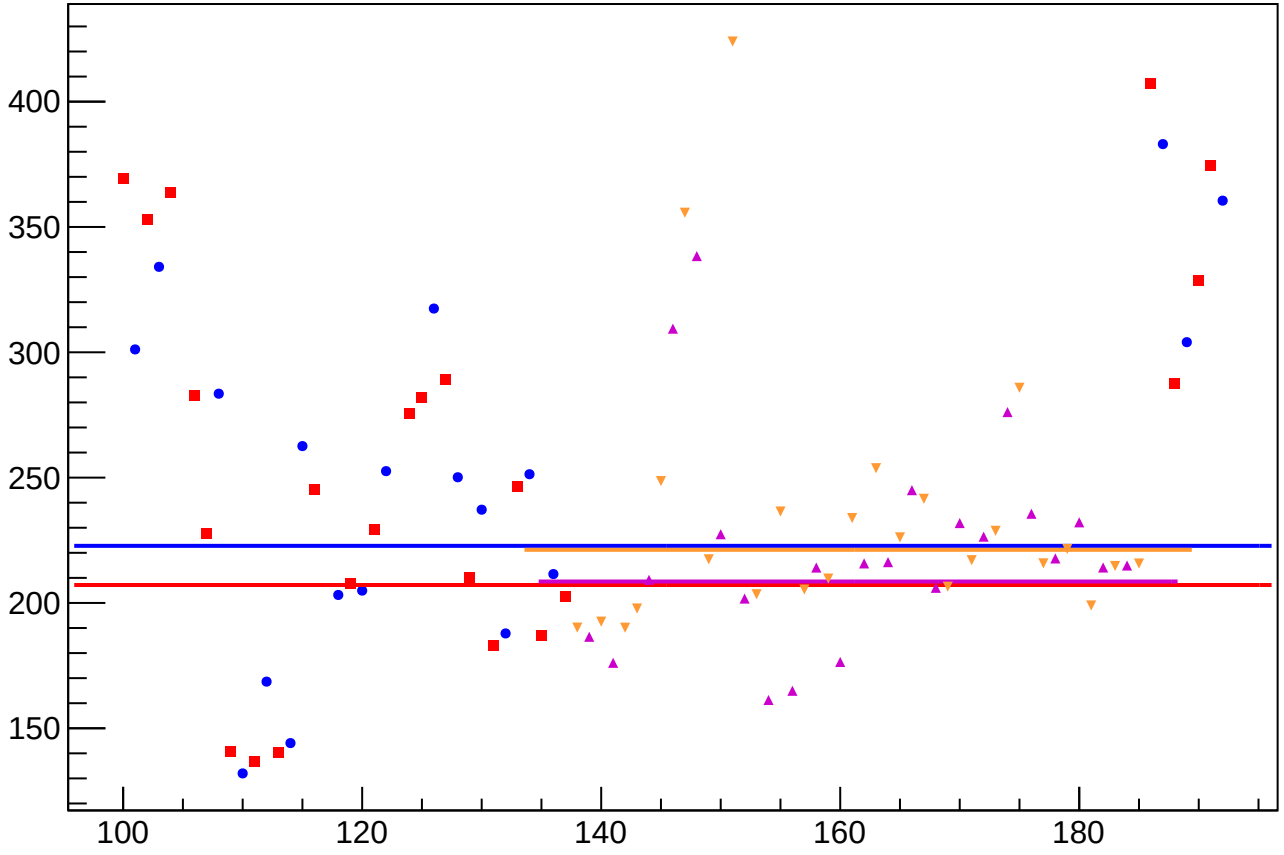
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 371.615+/-43.051 χ^2/NDF: 2998.1/43

All: 31.721+/-29.767 χ^2/NDF: 7708.8/89

- sign -279.610+/-41.203 χ^2/NDF: 4591.2/45

asym_bpm0l05WS_rms vs Slug



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

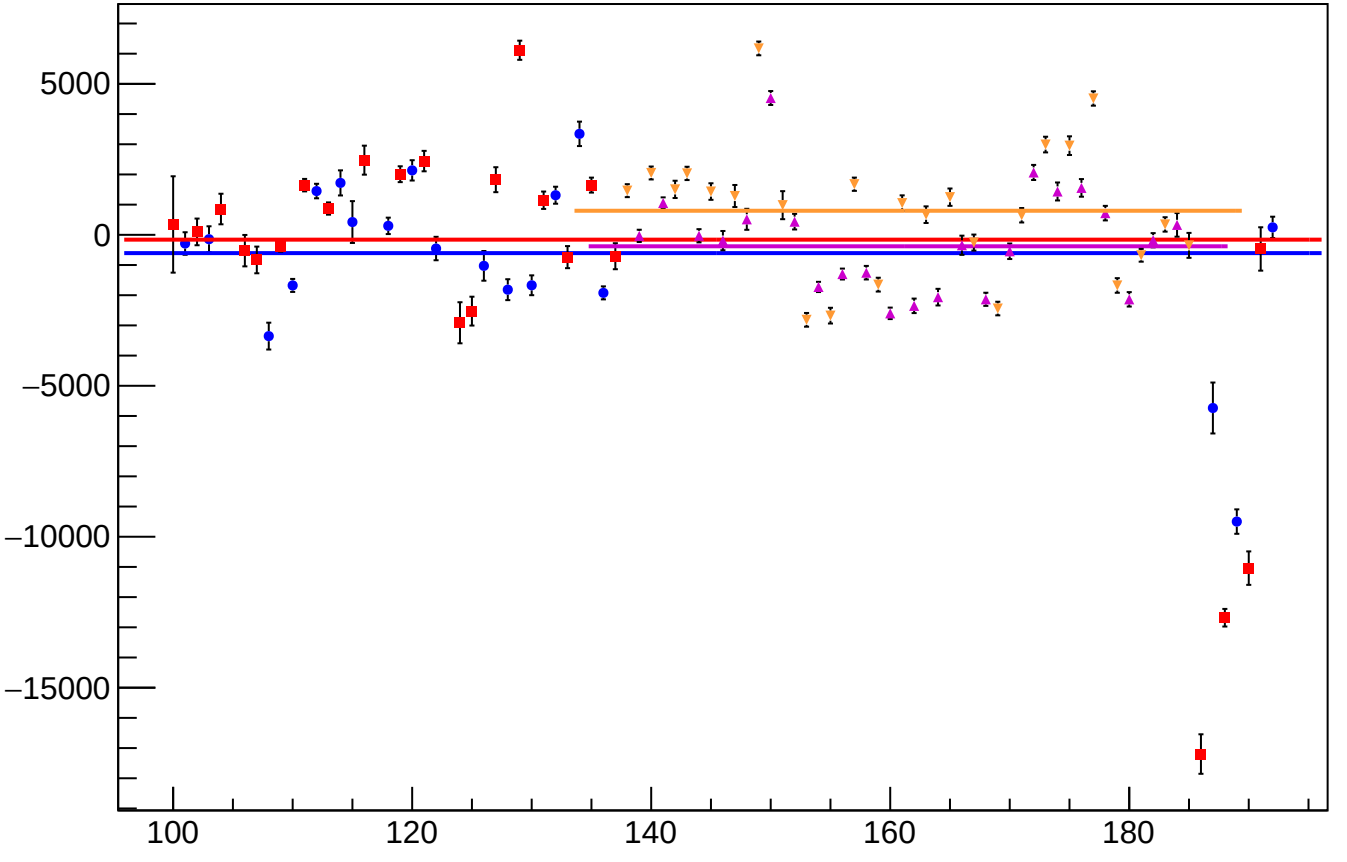
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 221.663+/-0.030 χ^2/NDF: 2287165.9/43

All: 214.584+/-0.021 χ^2/NDF: 5301458.6/89

- sign 208.100+/-0.029 χ^2/NDF: 2910685.4/45

asym_bpm0l06WS_mean vs Slug



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

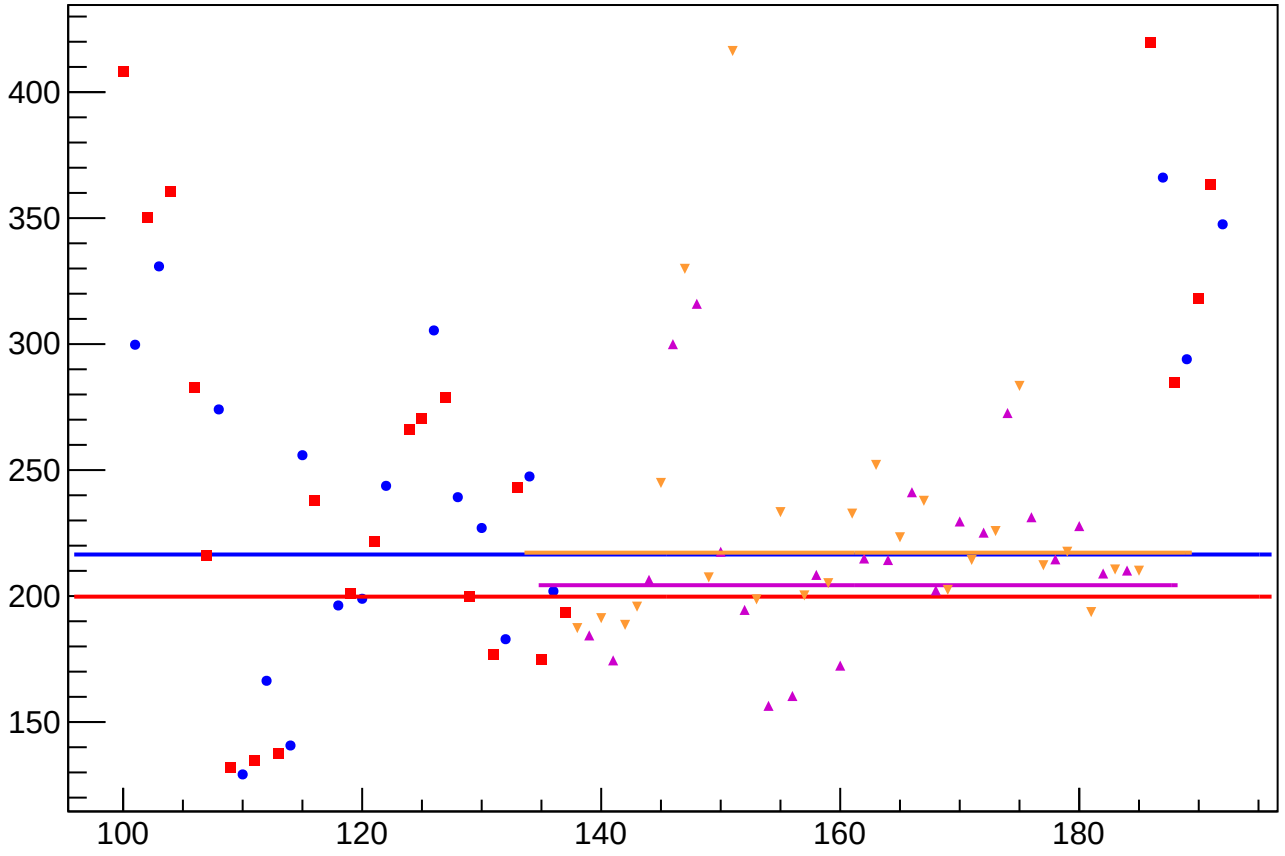
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 371.637+/-42.141 χ^2/NDF: 3171.7/43

All: 16.594+/-29.092 χ^2/NDF: 8222.4/89

- sign -306.659+/-40.210 χ^2/NDF: 4915.2/45

asym_bpm0l06WS_rms vs Slug



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

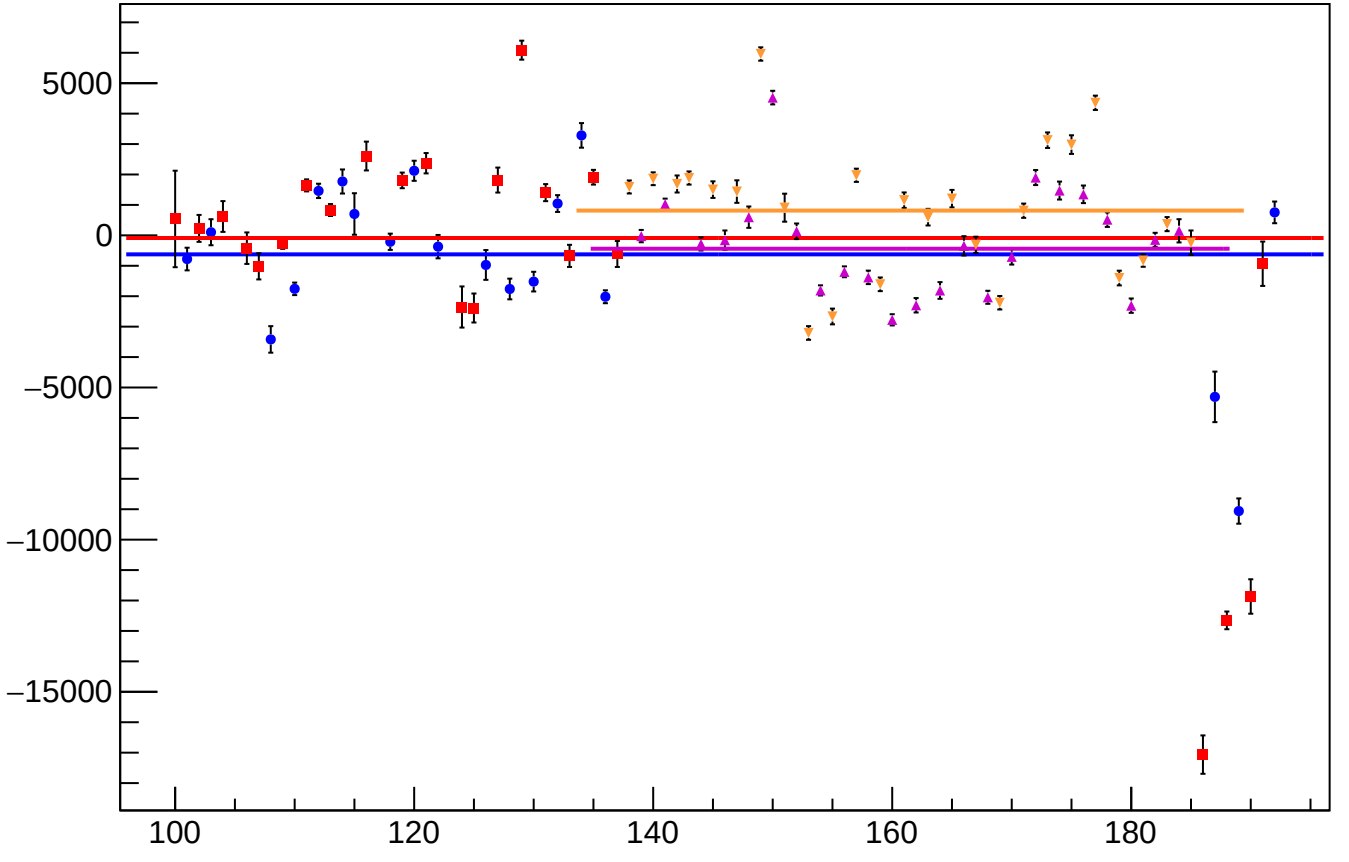
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 217.002+/-0.030 χ^2/NDF: 2237920.8/43

All: 209.569+/-0.021 χ^2/NDF: 5357609.3/89

- sign 202.802+/-0.028 χ^2/NDF: 3000821.0/45

asym_bpm0l07WS_mean vs Slug



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

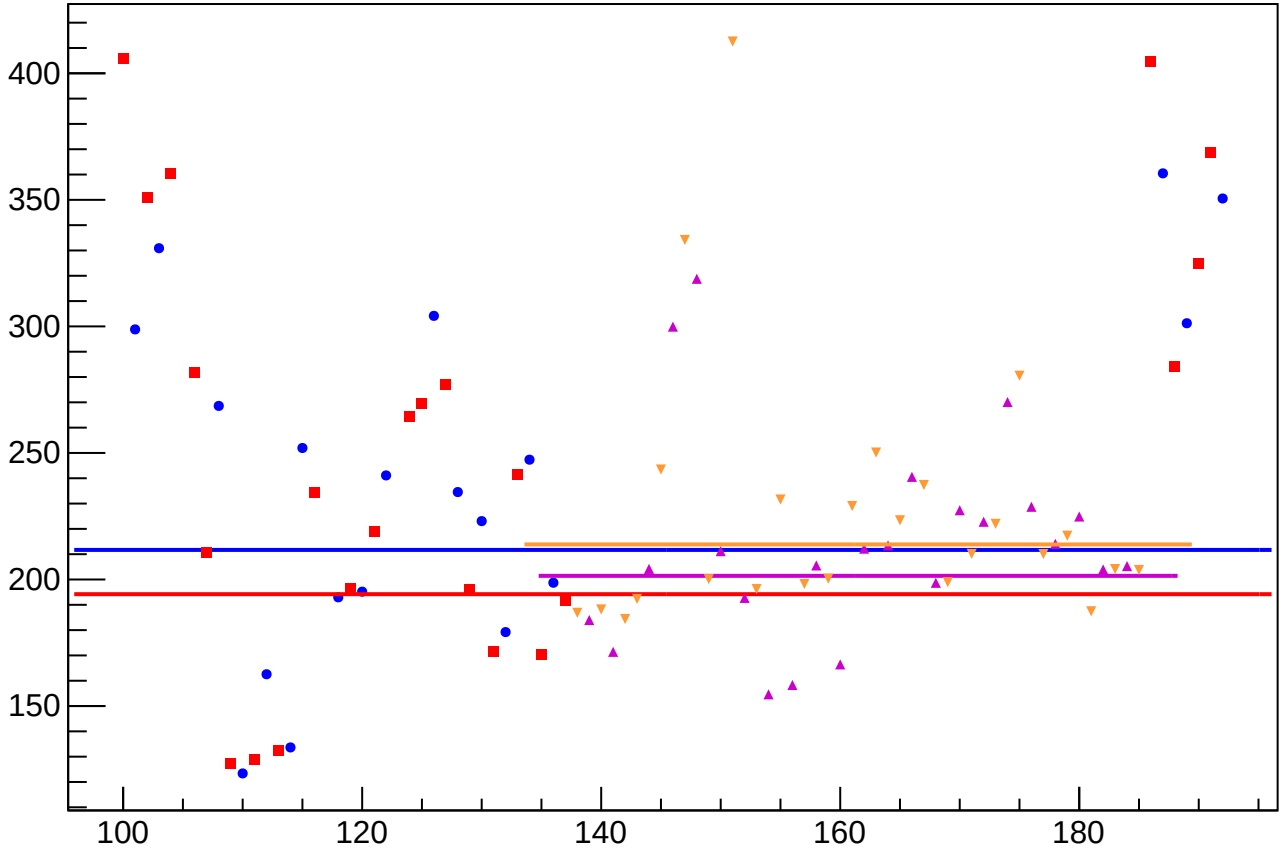
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 375.513+/-41.487 χ^2/NDF: 3173.6/43

All: 10.512+/-28.627 χ^2/NDF: 8393.0/89

- sign -321.246+/-39.553 χ^2/NDF: 5071.6/45

asym_bpm0l07WS_rms vs Slug



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

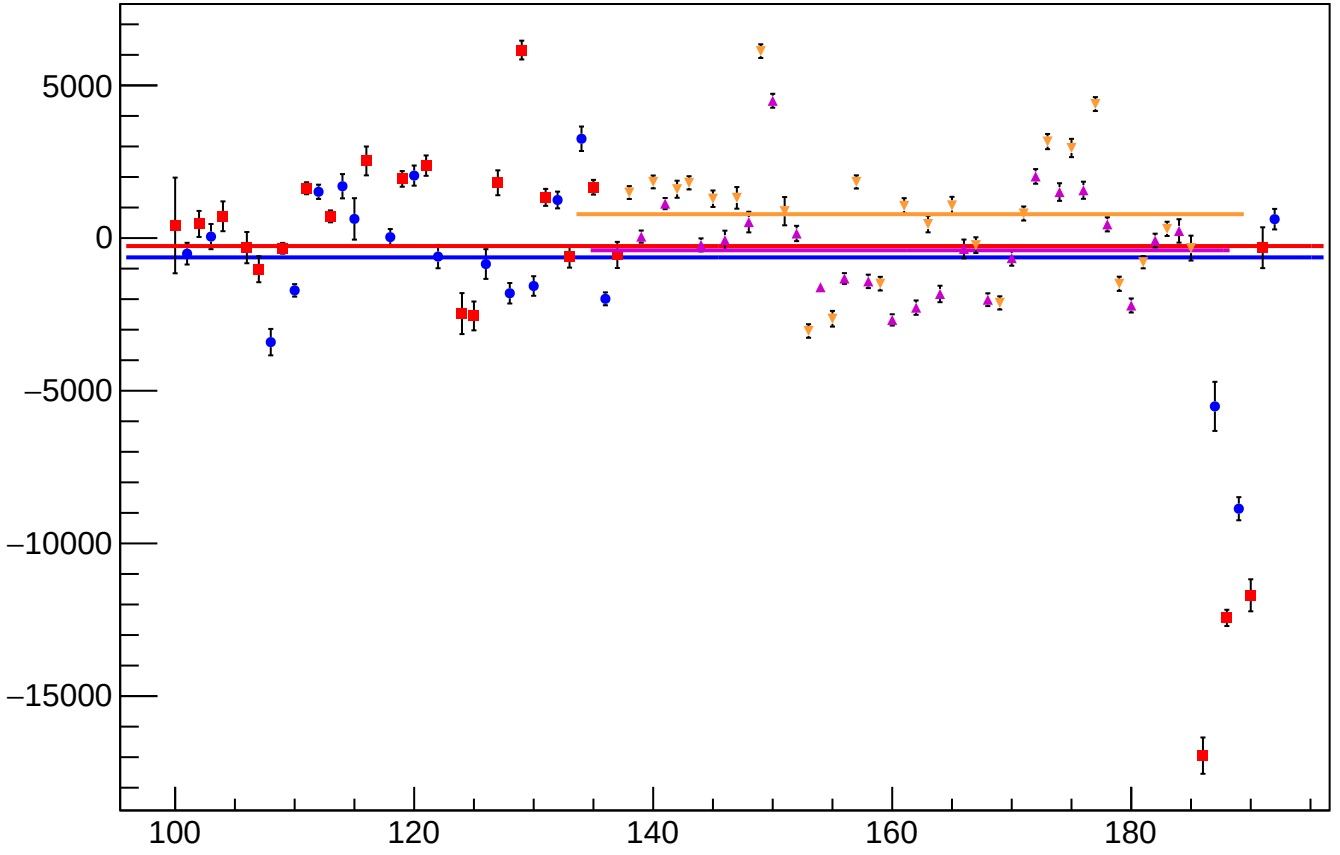
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 213.189+/-0.029 χ^2/NDF: 2425900.1/43

All: 205.762+/-0.020 χ^2/NDF: 5761491.5/89

- sign 199.011+/-0.028 χ^2/NDF: 3213215.7/45

asym_bpm0l08WS_mean vs Slug



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

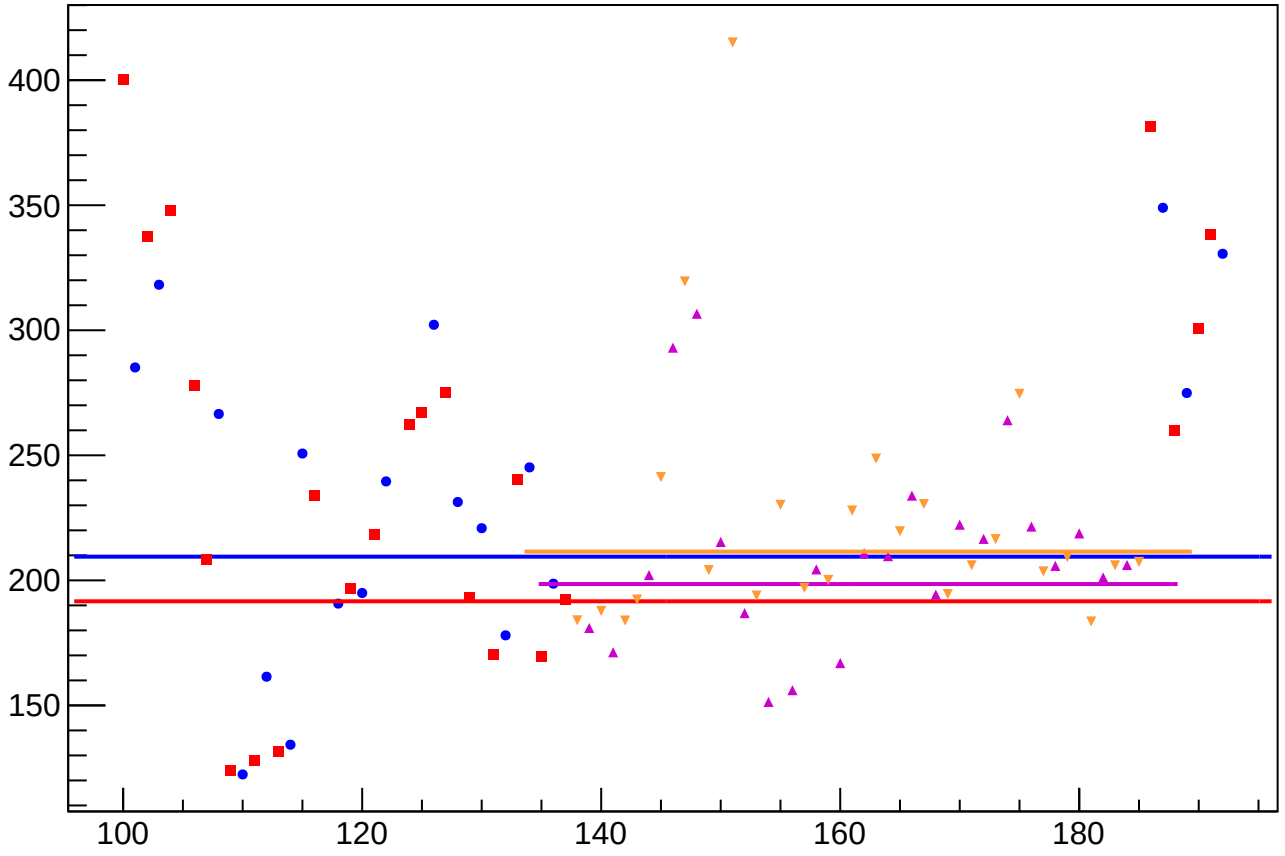
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 349.304+/-40.981 χ^2/NDF: 3246.8/43

All: -19.816+/-28.229 χ^2/NDF: 8880.2/89

- sign -353.085+/-38.941 χ^2/NDF: 5479.0/45

asym_bpm0l08WS_rms vs Slug



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

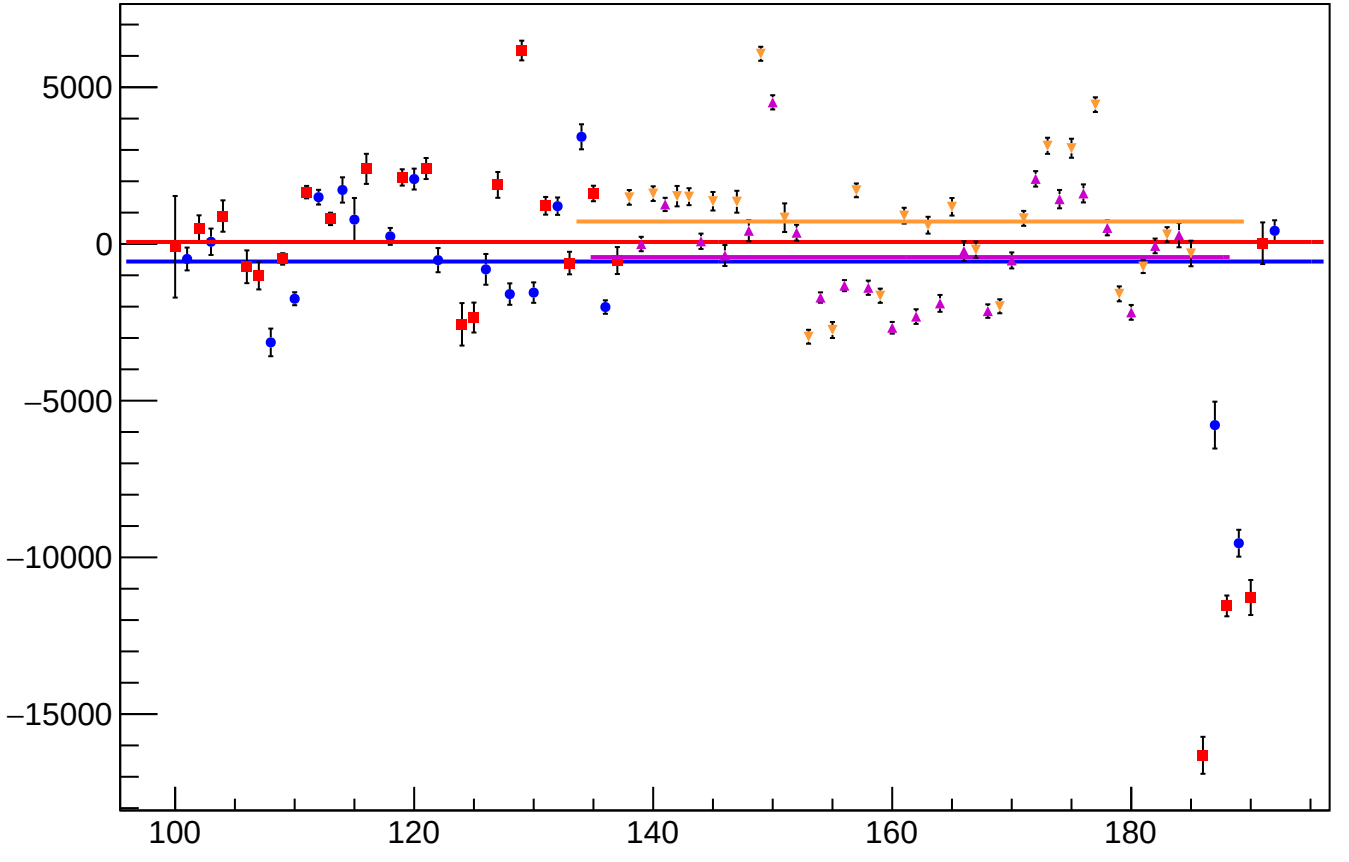
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 210.878+/-0.029 χ^2/NDF: 2265216.0/43

All: 203.165+/-0.020 χ^2/NDF: 5423041.5/89

- sign 196.202+/-0.028 χ^2/NDF: 3023047.0/45

asym_bpm0l09WS_mean vs Slug



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

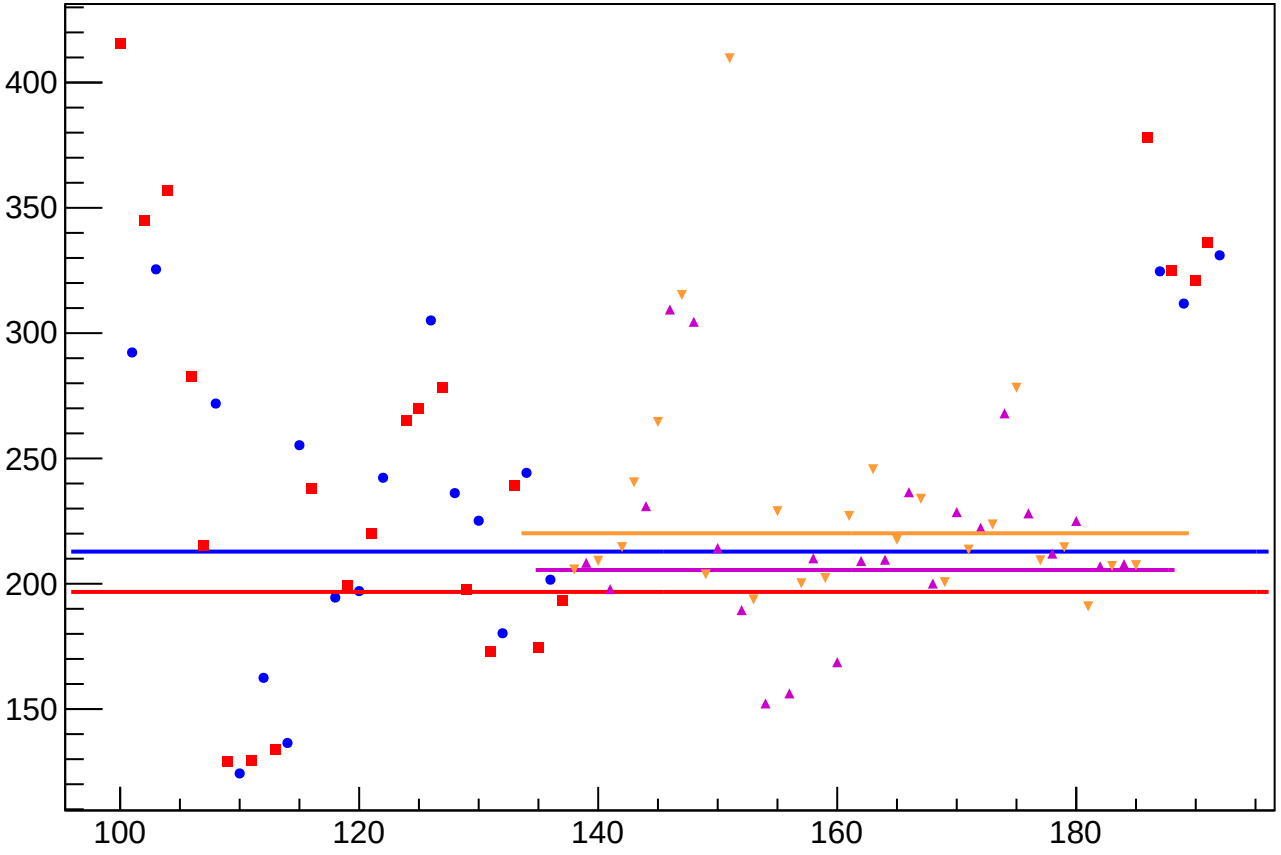
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 312.984+/-42.288 χ^2/NDF: 3067.8/43

All: 14.900+/-29.158 χ^2/NDF: 7574.5/89

- sign -255.246+/-40.257 χ^2/NDF: 4412.0/45

asym_bpm0l09WS_rms vs Slug



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

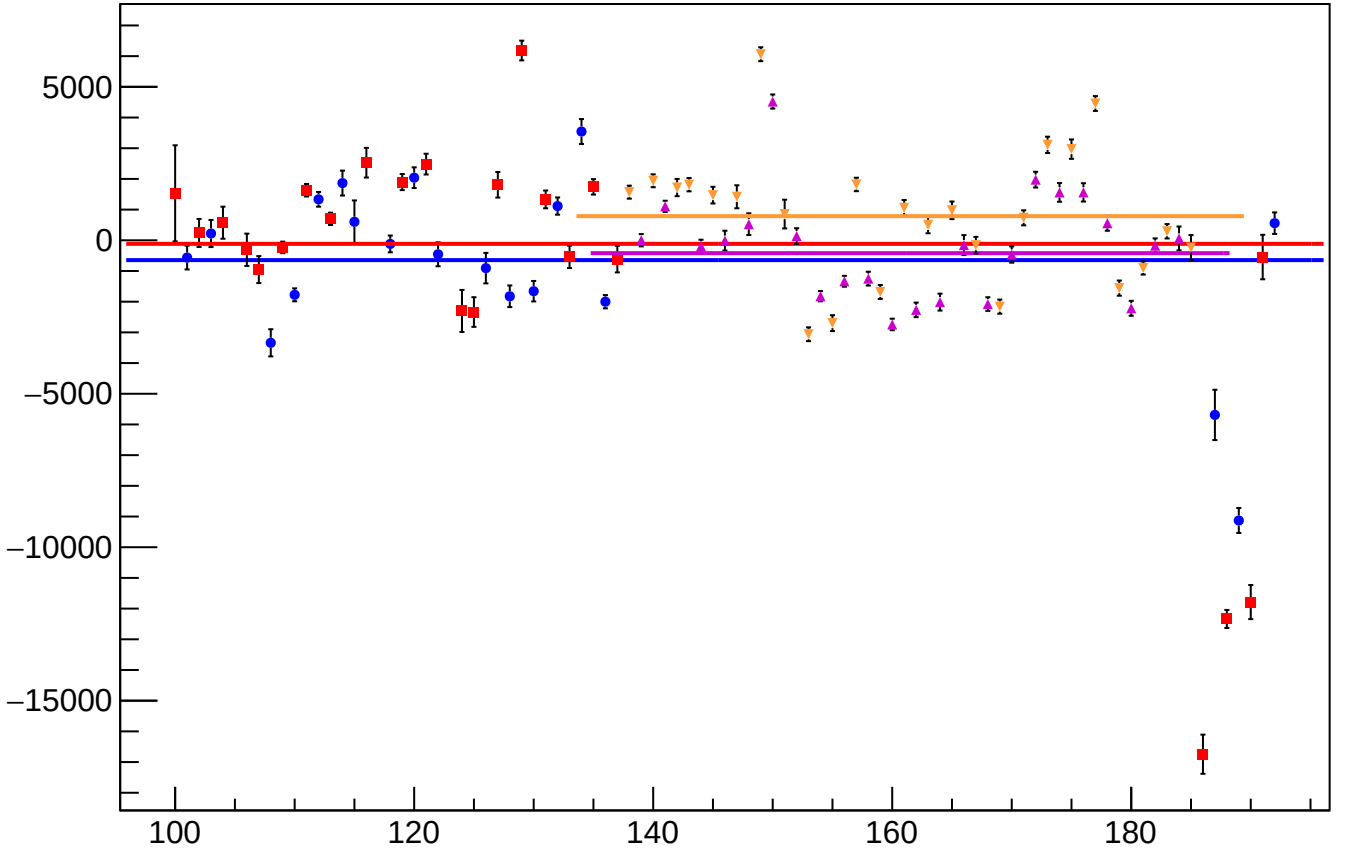
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 217.837+/-0.030 χ^2/NDF: 2174533.6/43

All: 209.800+/-0.021 χ^2/NDF: 5485314.0/89

- sign 202.517+/-0.028 χ^2/NDF: 3173075.3/45

asym_bpm0l10WS_mean vs Slug



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

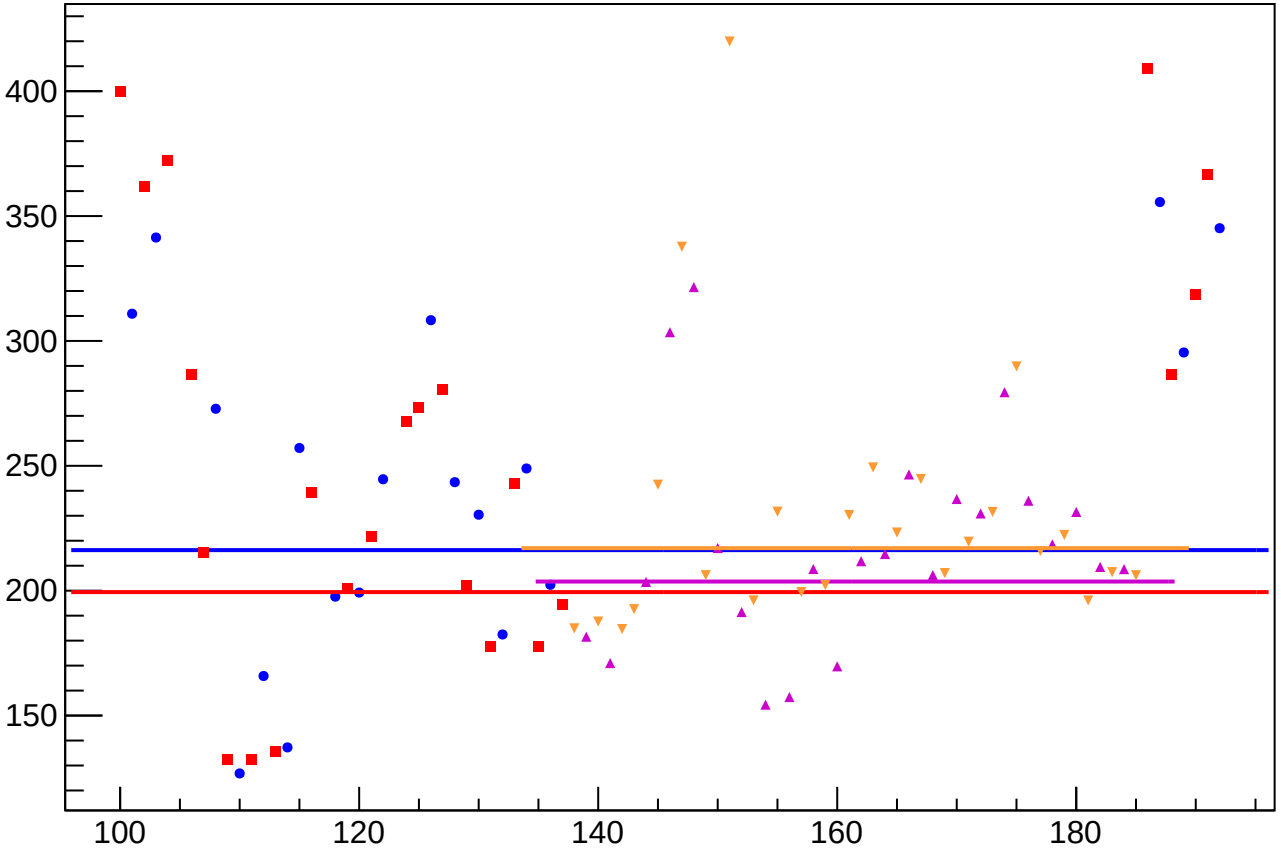
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 352.511+/-42.174 χ^2/NDF: 3117.6/43

All: 1.044+/-29.099 χ^2/NDF: 8095.7/89

- sign -318.324+/-40.202 χ^2/NDF: 4845.5/45

asym_bpm0l10WS_rms vs Slug



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

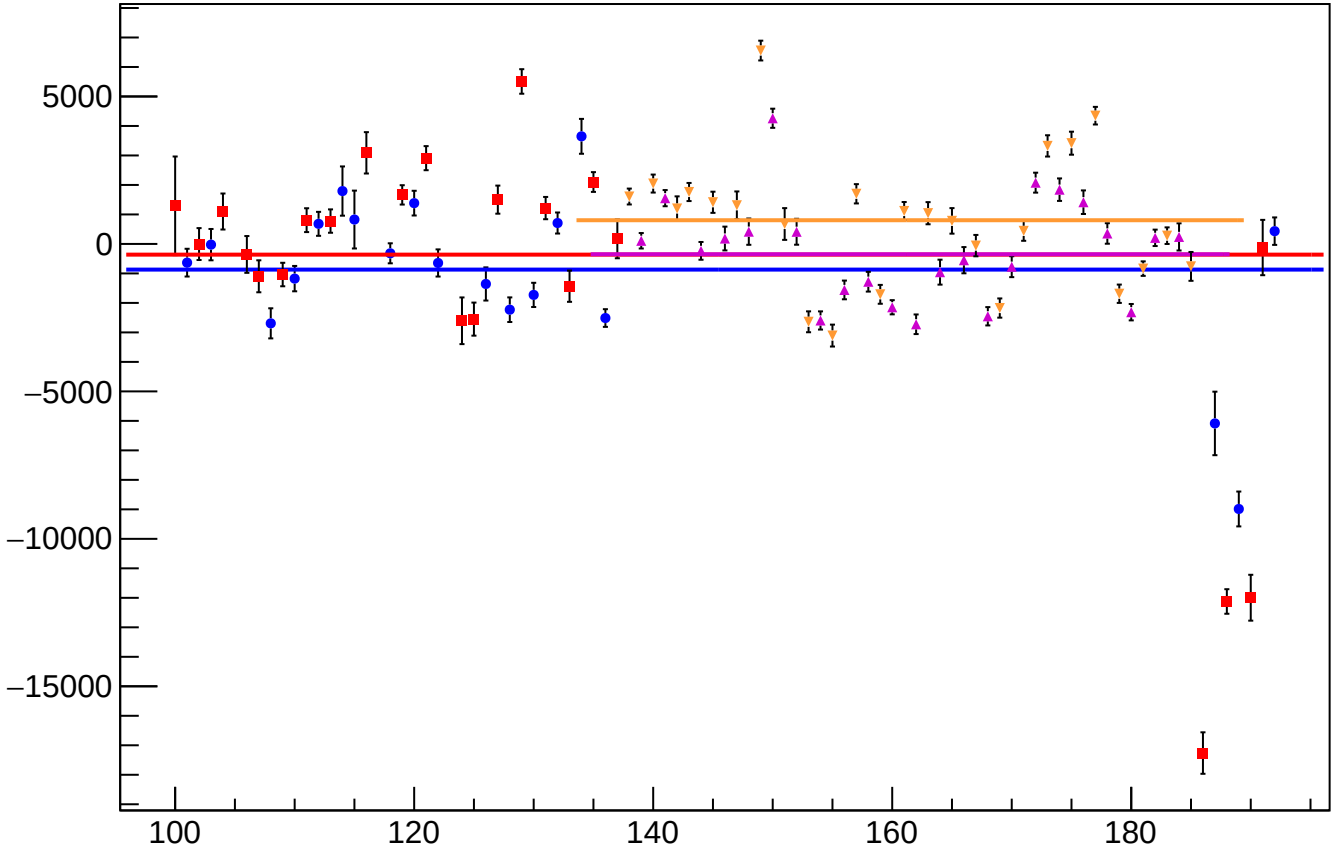
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 216.798+/-0.030 χ^2/NDF: 2388438.3/43

All: 209.182+/-0.021 χ^2/NDF: 5736928.4/89

- sign 202.263+/-0.028 χ^2/NDF: 3224027.3/45

asym_bpm0r03WS_mean vs Slug



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

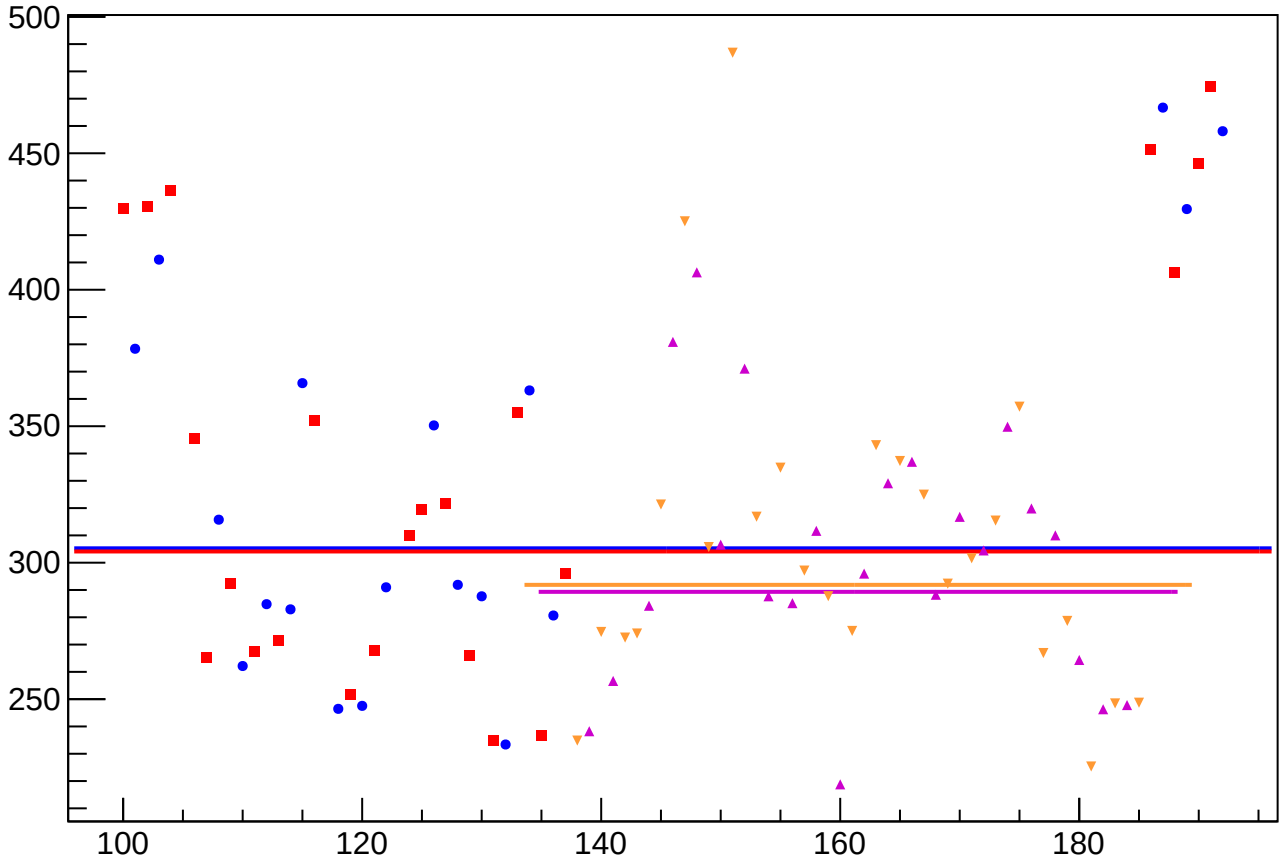
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 315.214+/-56.964 χ^2/NDF: 1655.4/43

All: -18.281+/-40.350 χ^2/NDF: 4448.1/89

- sign -354.120+/-57.164 χ^2/NDF: 2723.9/45

asym_bpm0r03WS_rms vs Slug



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

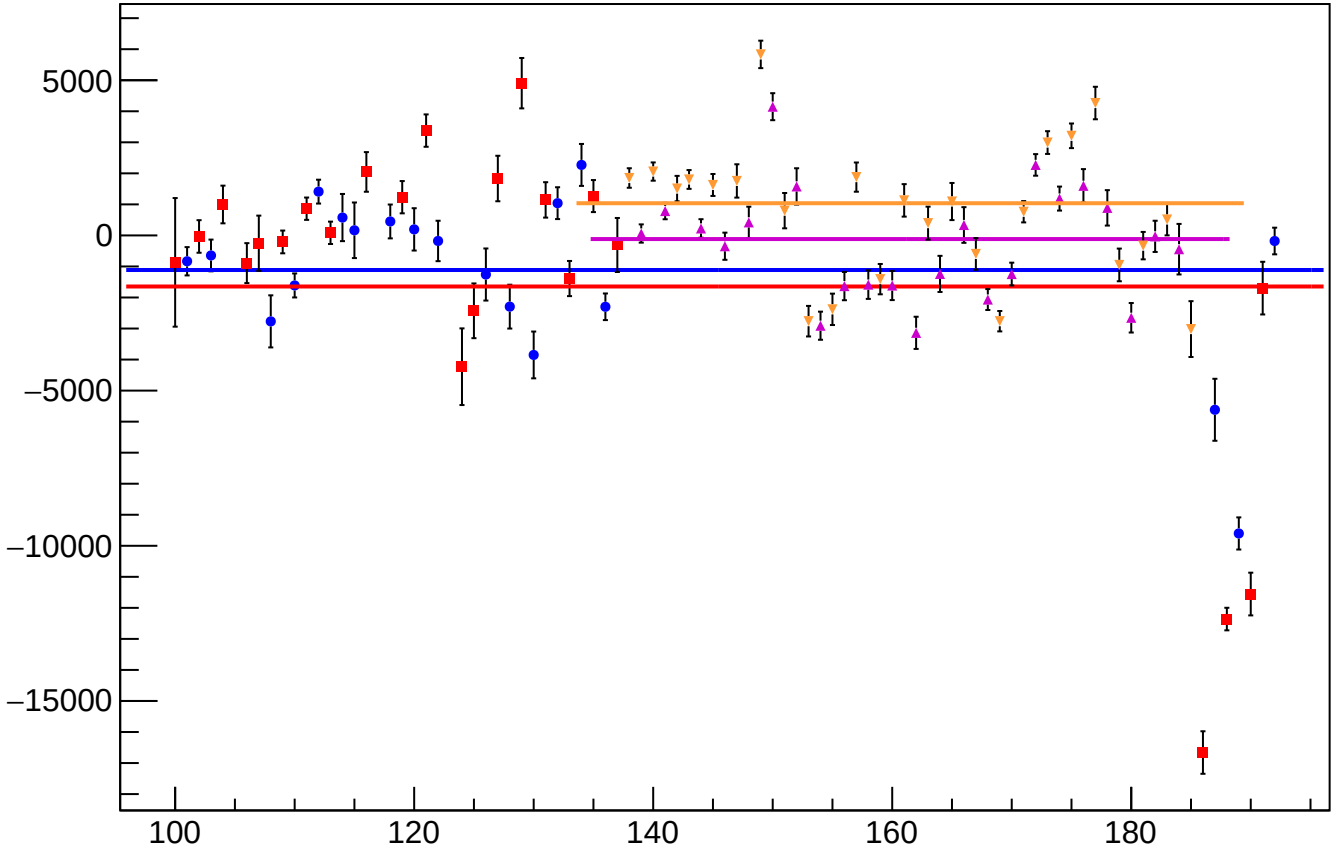
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 295.789+/-0.040 χ^2/NDF: 1726580.0/43

All: 294.875+/-0.029 χ^2/NDF: 3435781.6/89

- sign 293.955+/-0.040 χ^2/NDF: 1708169.4/45

asym_bpm0r05WS_mean vs Slug



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

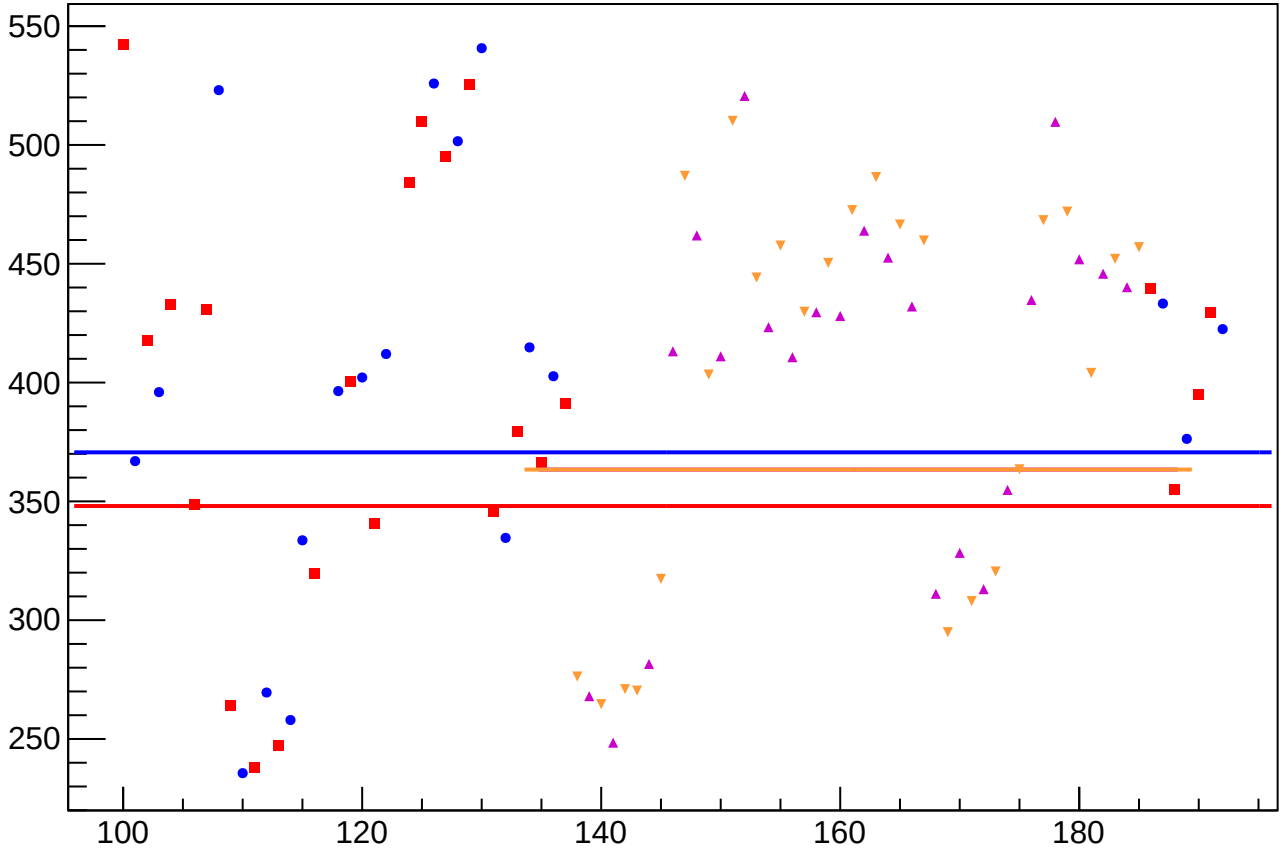
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 375.946+/-70.907 χ^2/NDF: 1197.5/43

All: -149.707+/-49.853 χ^2/NDF: 3769.6/89

- sign -663.573+/-70.107 χ^2/NDF: 2463.4/45

asym_bpm0r05WS_rms vs Slug



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

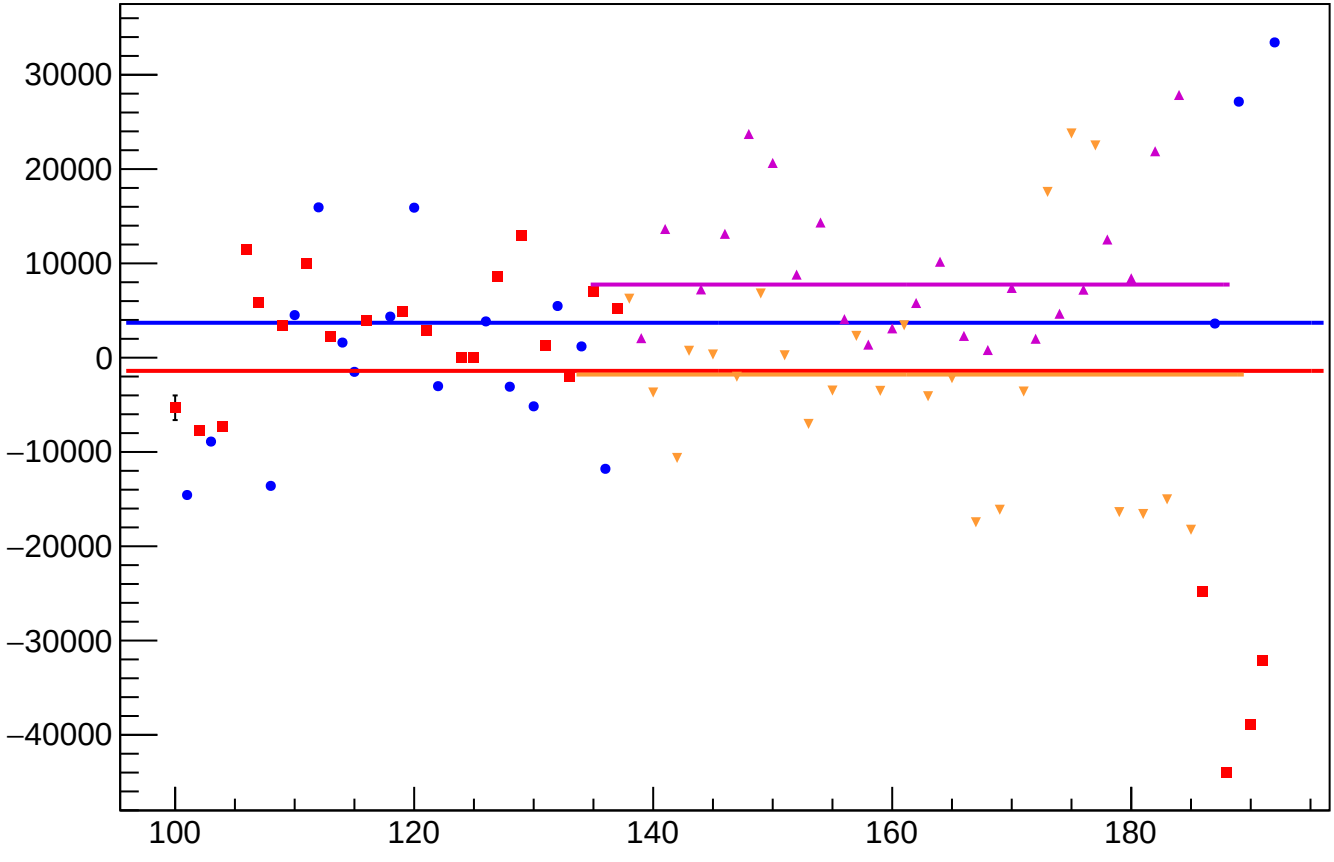
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 365.615+/-0.050 χ^2/NDF: 2768345.9/43

All: 361.714+/-0.035 χ^2/NDF: 5441247.5/89

- sign 357.900+/-0.050 χ^2/NDF: 2660928.9/45

asym_bpm0i02WS_mean vs Slug



Right In: 3701.488+/-50.519 χ^2/NDF: 70052.0/18

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -1399.635+/-48.194 χ^2/NDF: 106213.2/22

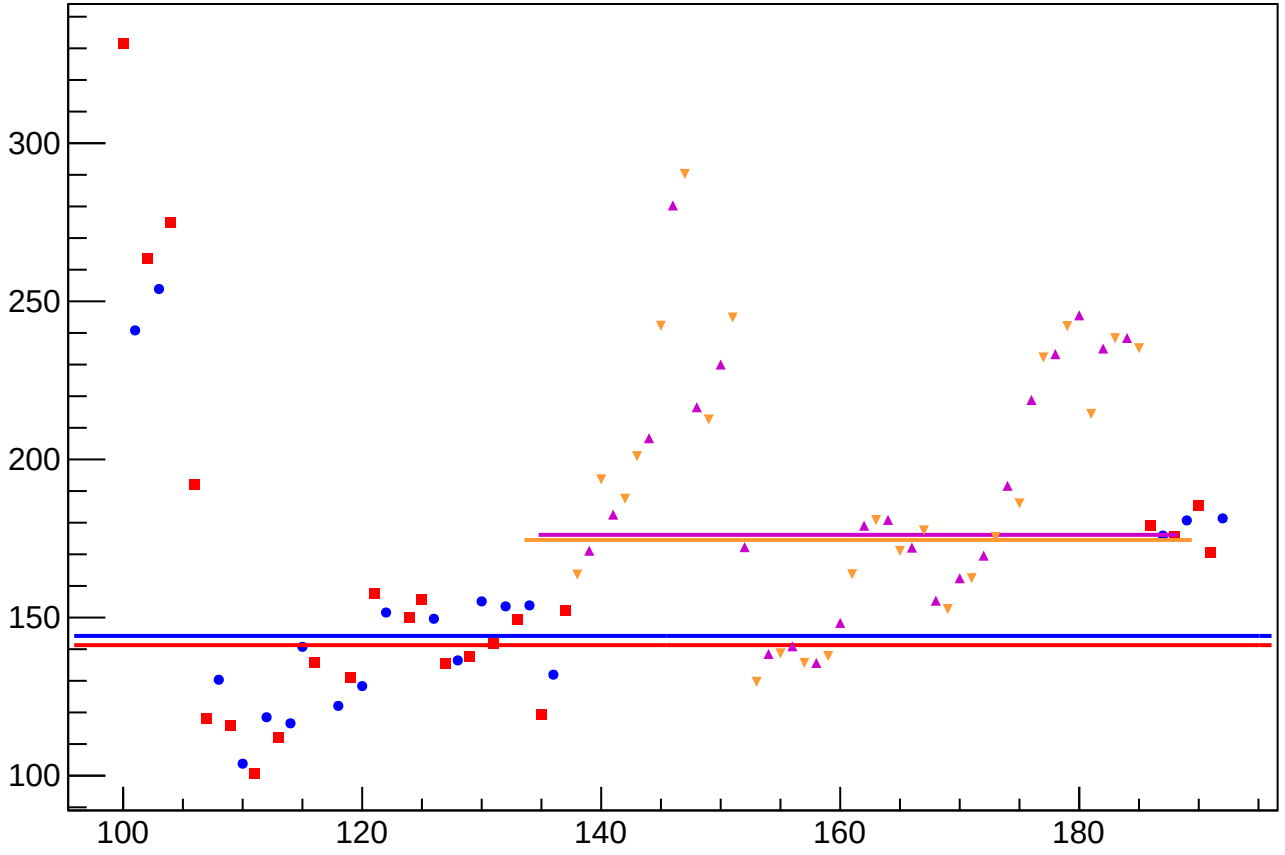
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

\+ sign 384.749+/-31.793 χ^2/NDF: 142935.0/43

All: 2057.590+/-22.521 χ^2/NDF: 298248.5/89

\- sign 3742.374+/-31.906 χ^2/NDF: 149756.7/45

asym_bpm0i02WS_rms vs Slug



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

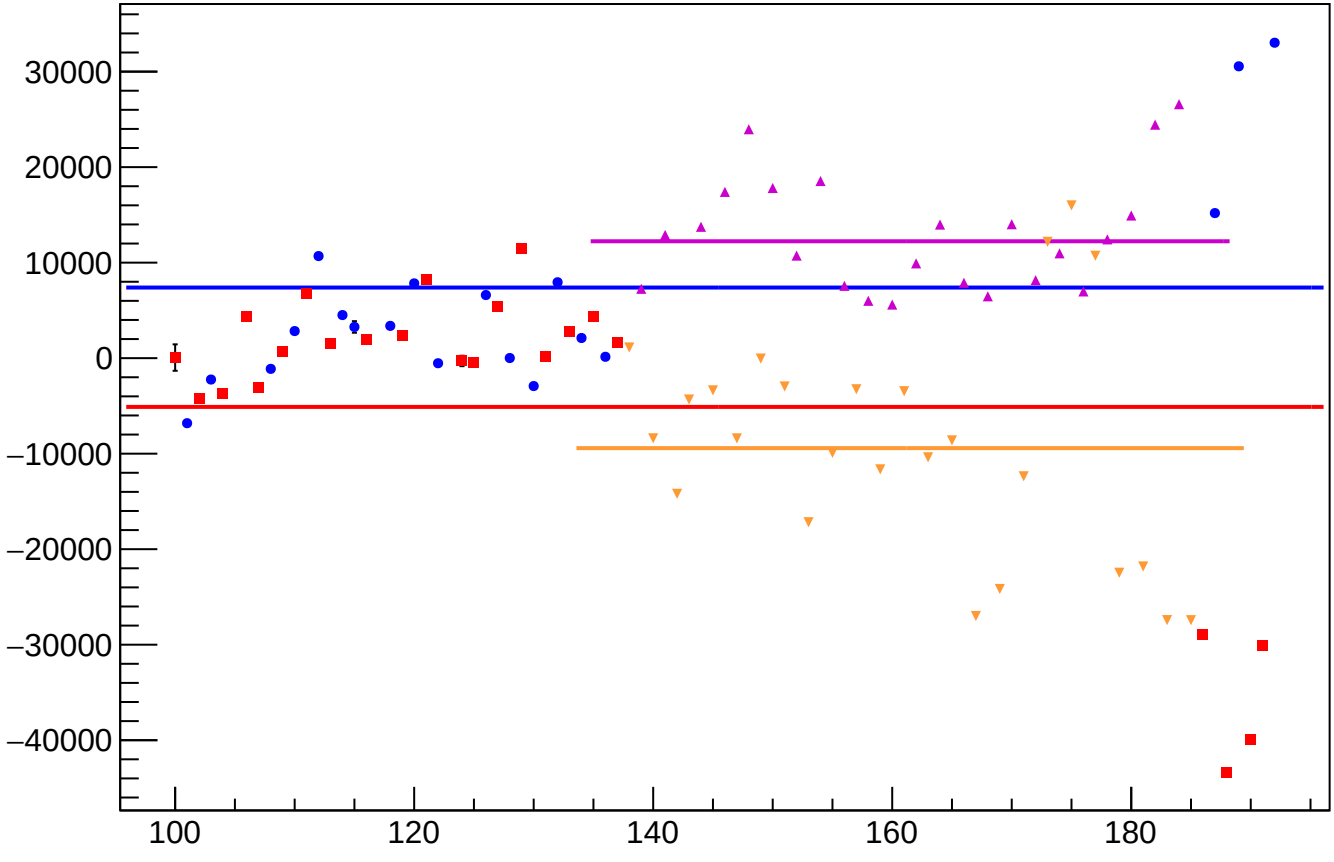
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 162.510+/-0.022 χ^2/NDF: 2908876.9/43

All: 161.693+/-0.016 χ^2/NDF: 5945334.1/89

- sign 160.870+/-0.023 χ^2/NDF: 3033803.4/45

asym_bpm0i02aWS_mean vs Slug



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

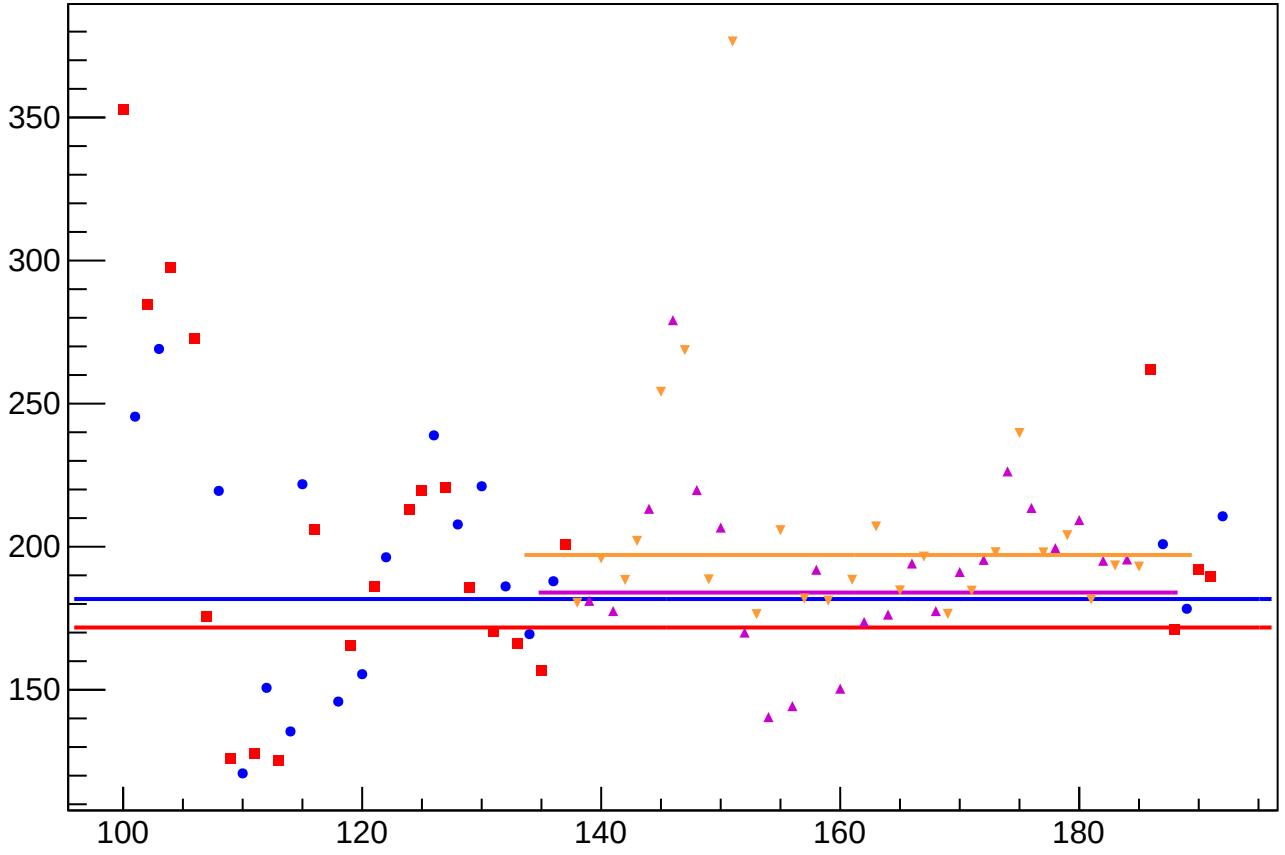
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -3632.122+/-37.005 χ^2/NDF: 143396.5/43

All: 1381.609+/-25.525 χ^2/NDF: 335037.4/89

- sign 5932.289+/-35.255 χ^2/NDF: 156622.9/45

asym_bpm0i02aWS_rms vs Slug



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

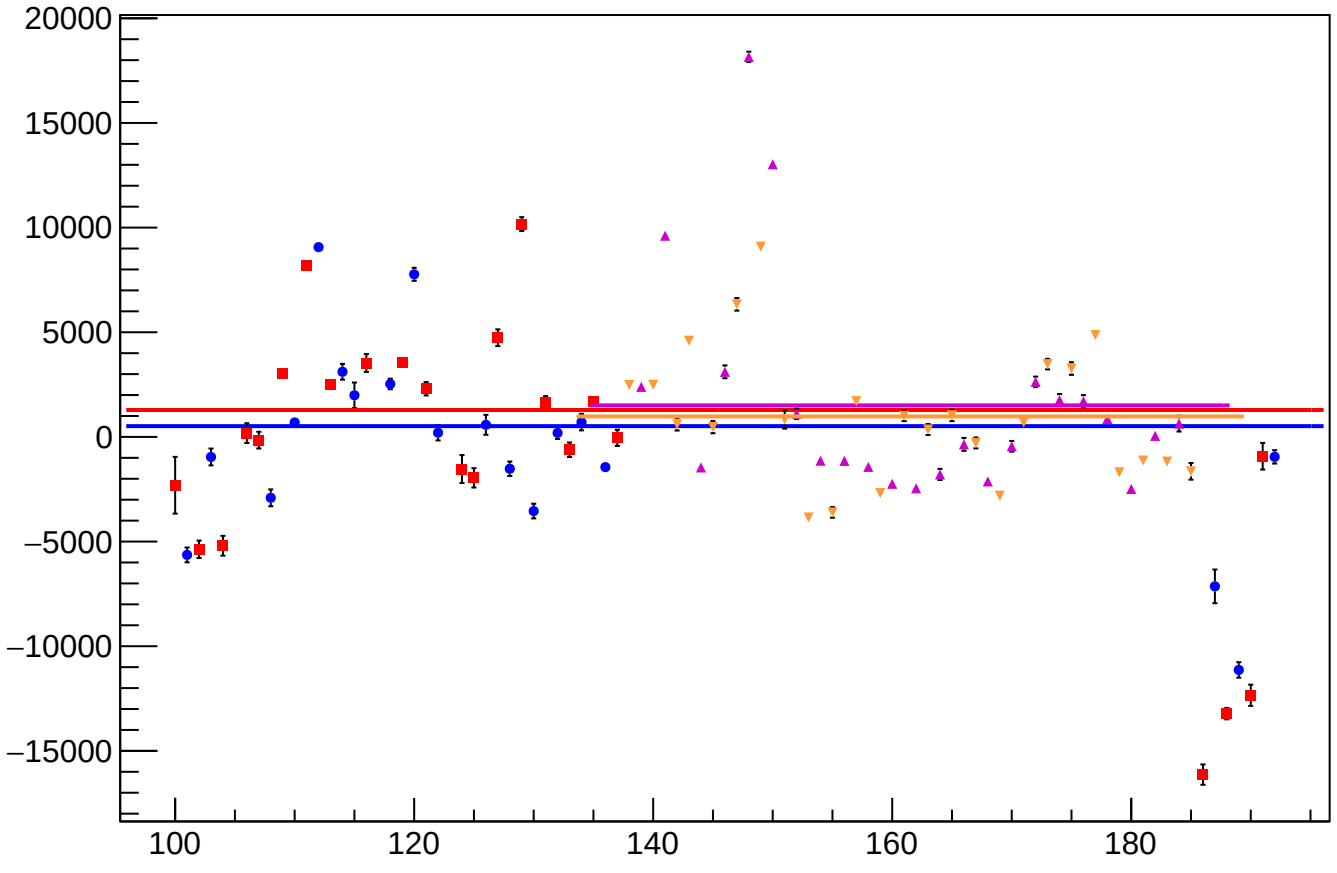
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.820+/-0.026 χ^2/NDF: 1529737.5/43

All: 185.385+/-0.018 χ^2/NDF: 3624443.6/89

- sign 179.545+/-0.025 χ^2/NDF: 1979340.7/45

asym_bpm0i05WS_mean vs Slug



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

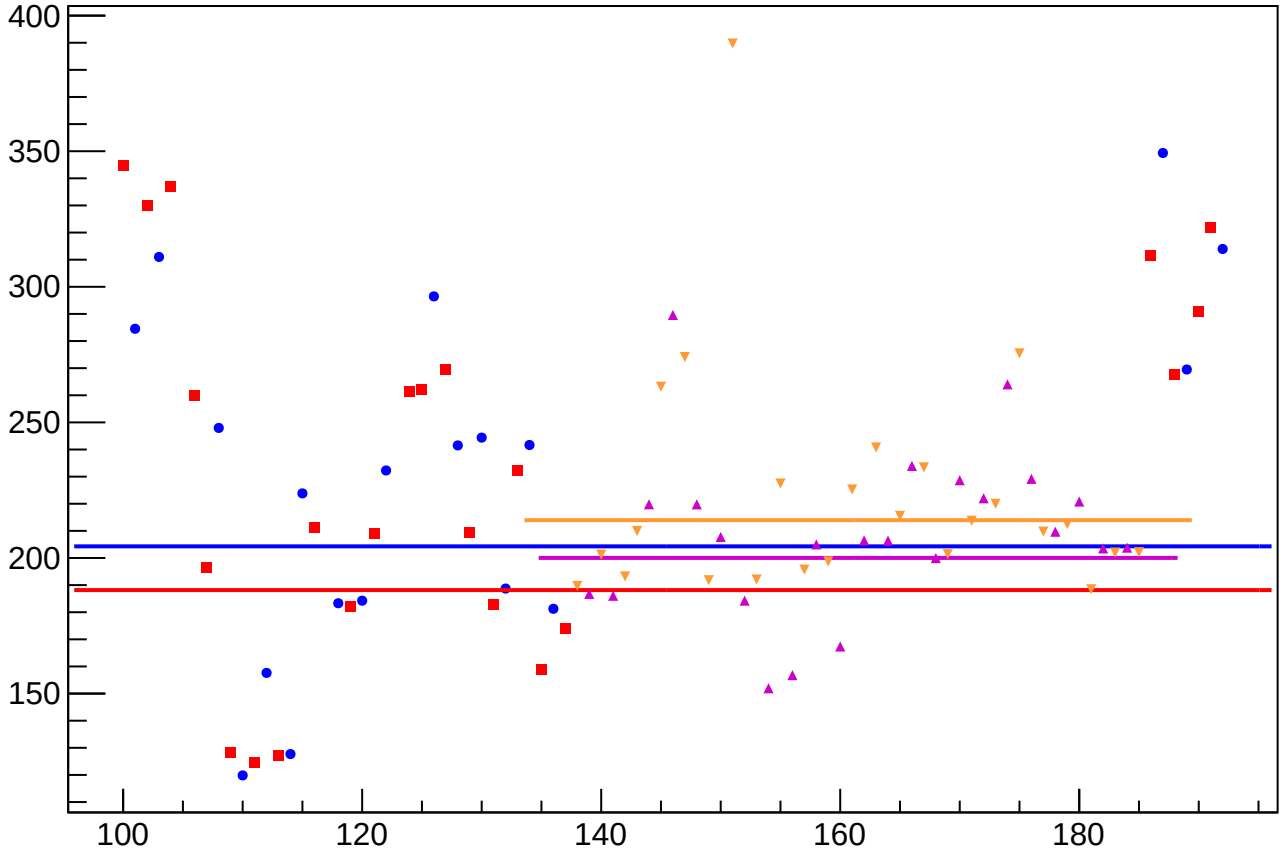
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 829.545+/-40.882 χ^2/NDF: 8174.4/43

All: 1145.060+/-28.121 χ^2/NDF: 27565.6/89

- sign 1428.405+/-38.742 χ^2/NDF: 19278.1/45

asym_bpm0i05WS_rms vs Slug



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

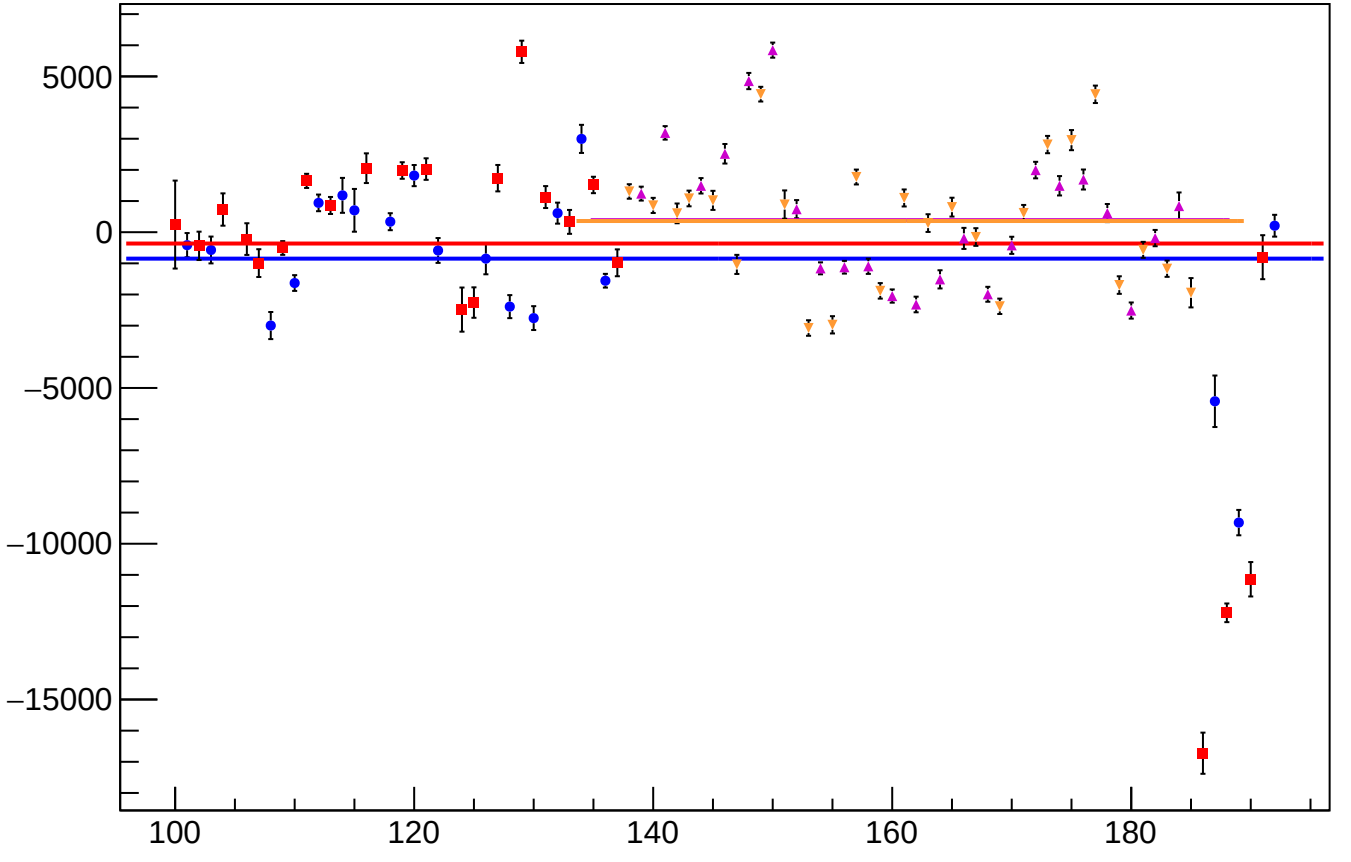
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 210.838+/-0.029 χ^2/NDF: 2122821.2/43

All: 202.956+/-0.020 χ^2/NDF: 4969946.6/89

- sign 195.878+/-0.027 χ^2/NDF: 2706034.5/45

asym_bpm0i07WS_mean vs Slug



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

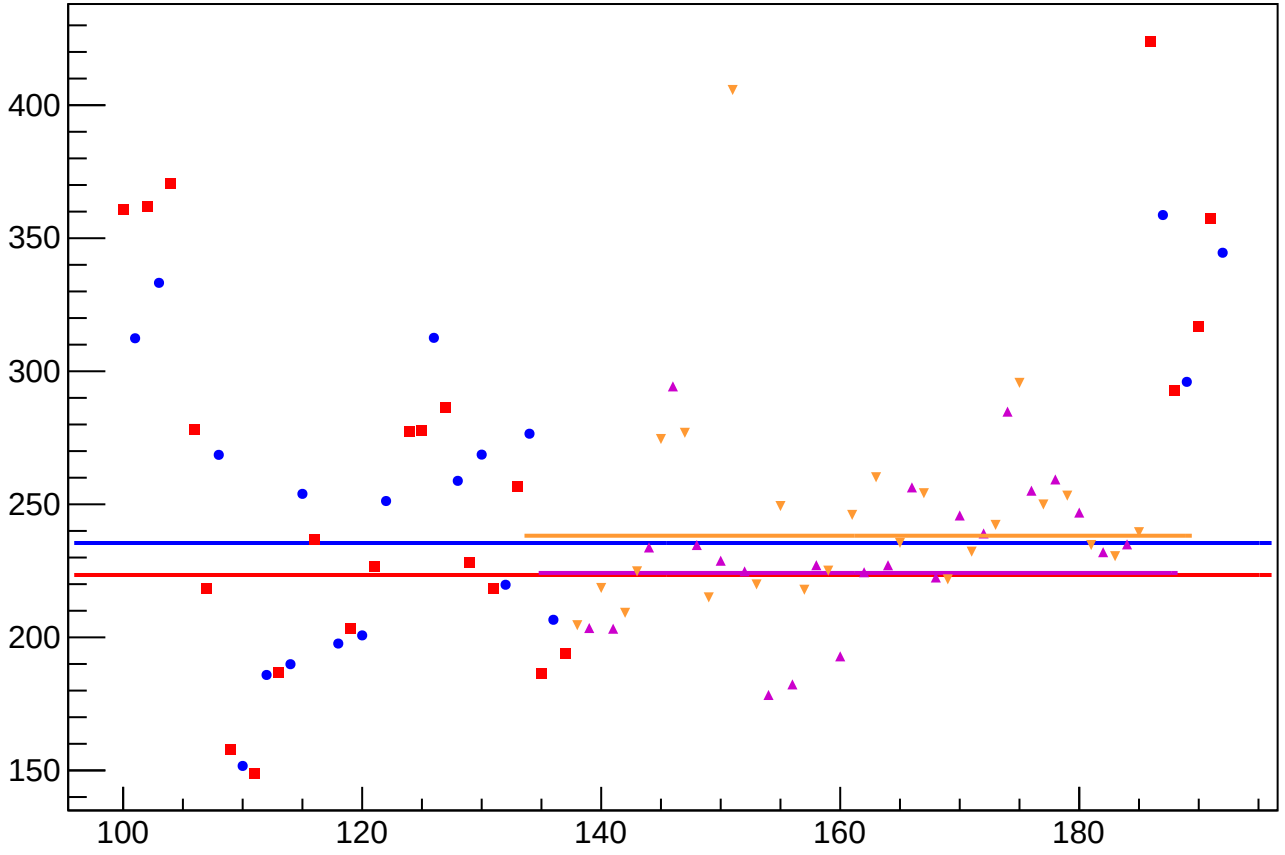
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.921+/-45.672 χ^2/NDF: 2364.7/43

All: 65.082+/-31.627 χ^2/NDF: 7475.5/89

- sign 139.712+/-43.838 χ^2/NDF: 5104.8/45

asym_bpm0i07WS_rms vs Slug



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

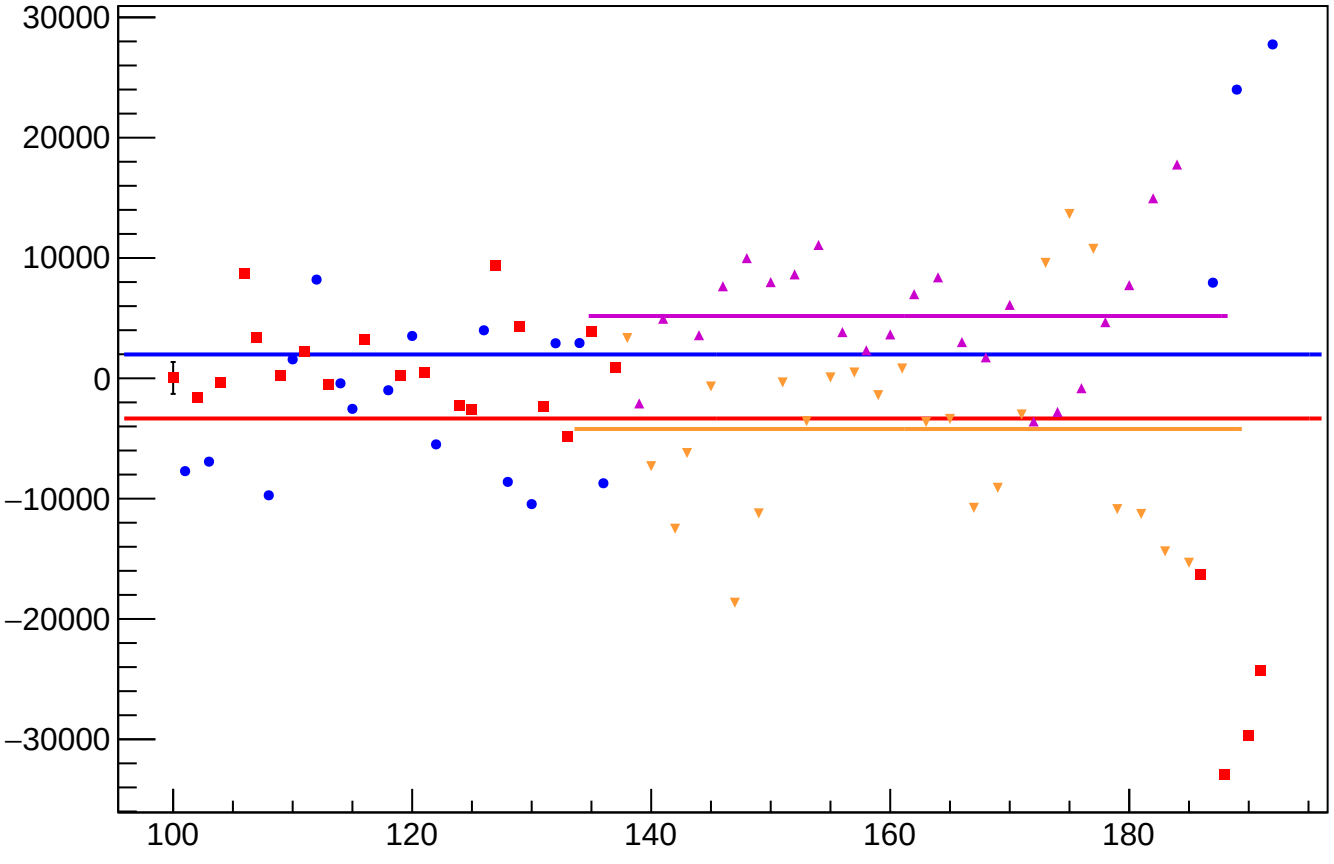
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 237.351+/-0.032 χ^2/NDF: 1536350.0/43

All: 230.381+/-0.022 χ^2/NDF: 3585600.8/89

- sign 223.959+/-0.031 χ^2/NDF: 1959741.1/45

asym_bpm1i02WS_mean vs Slug



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

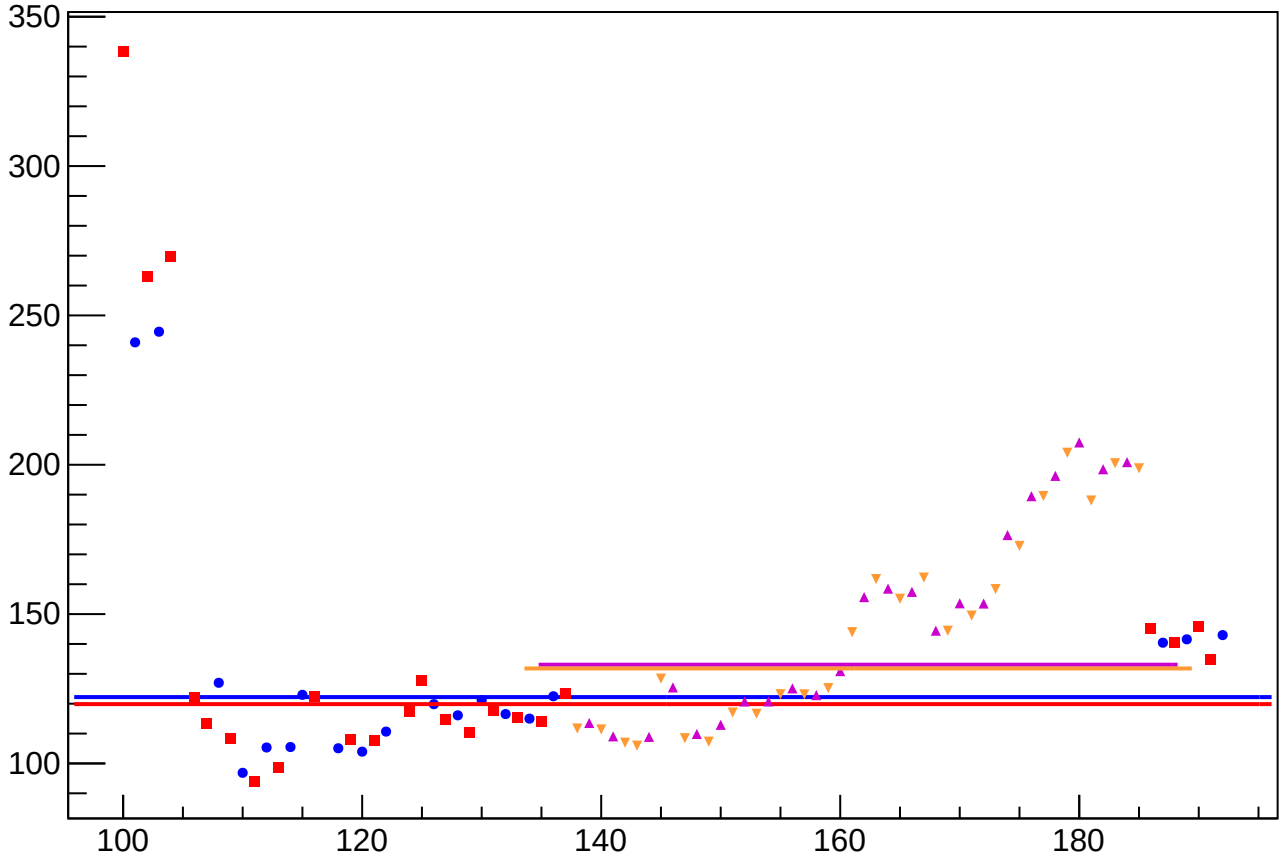
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -2107.278+/-25.054 χ^2/NDF: 138965.5/43

All: -89.544+/-17.765 χ^2/NDF: 277713.4/89

- sign 1950.716+/-25.193 χ^2/NDF: 125703.5/45

asym_bpm1i02WS_rms vs Slug



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

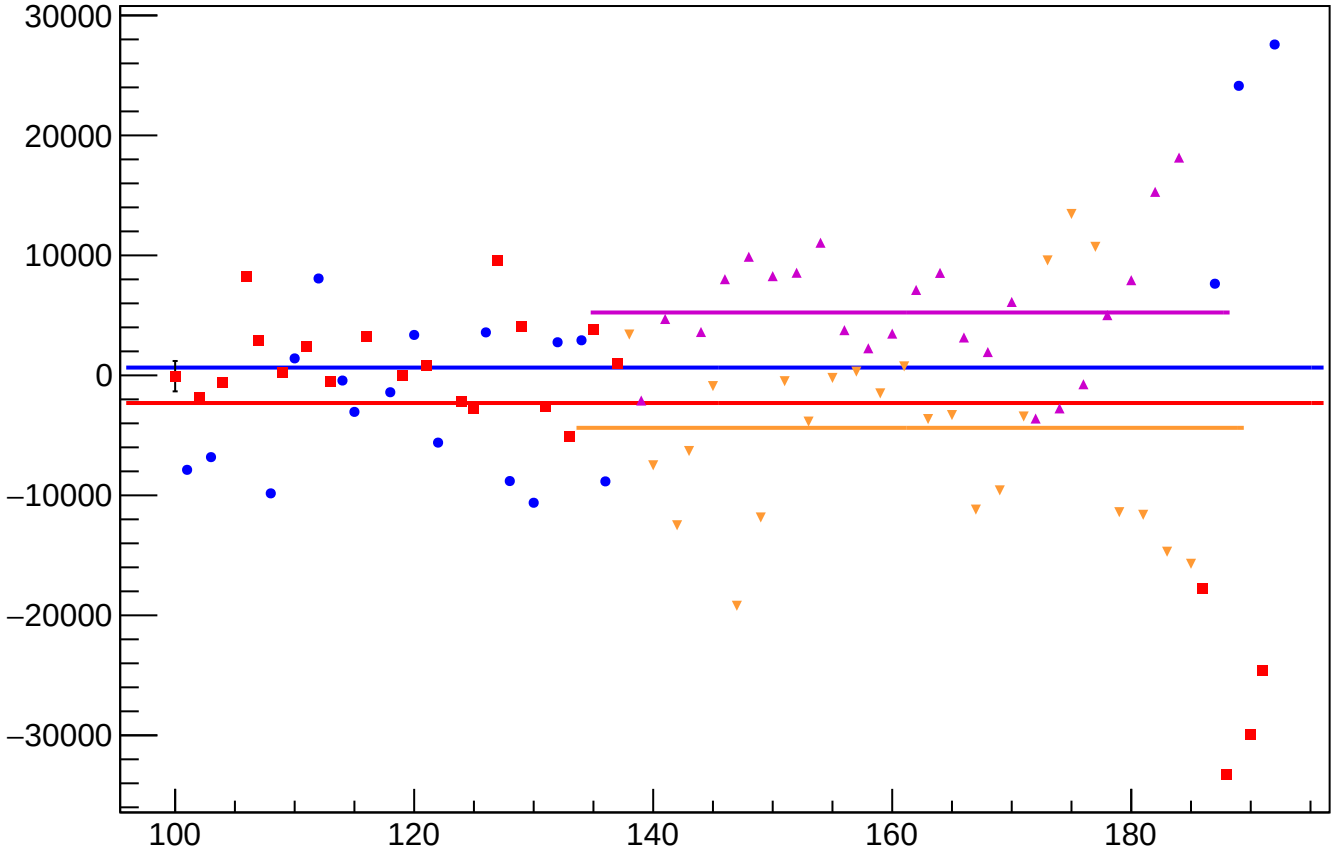
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 128.544+/-0.018 χ^2/NDF: 2422614.0/43

All: 128.303+/-0.013 χ^2/NDF: 4945425.9/89

- sign 128.059+/-0.018 χ^2/NDF: 2522439.4/45

asym_bpm1i04WS_mean vs Slug



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

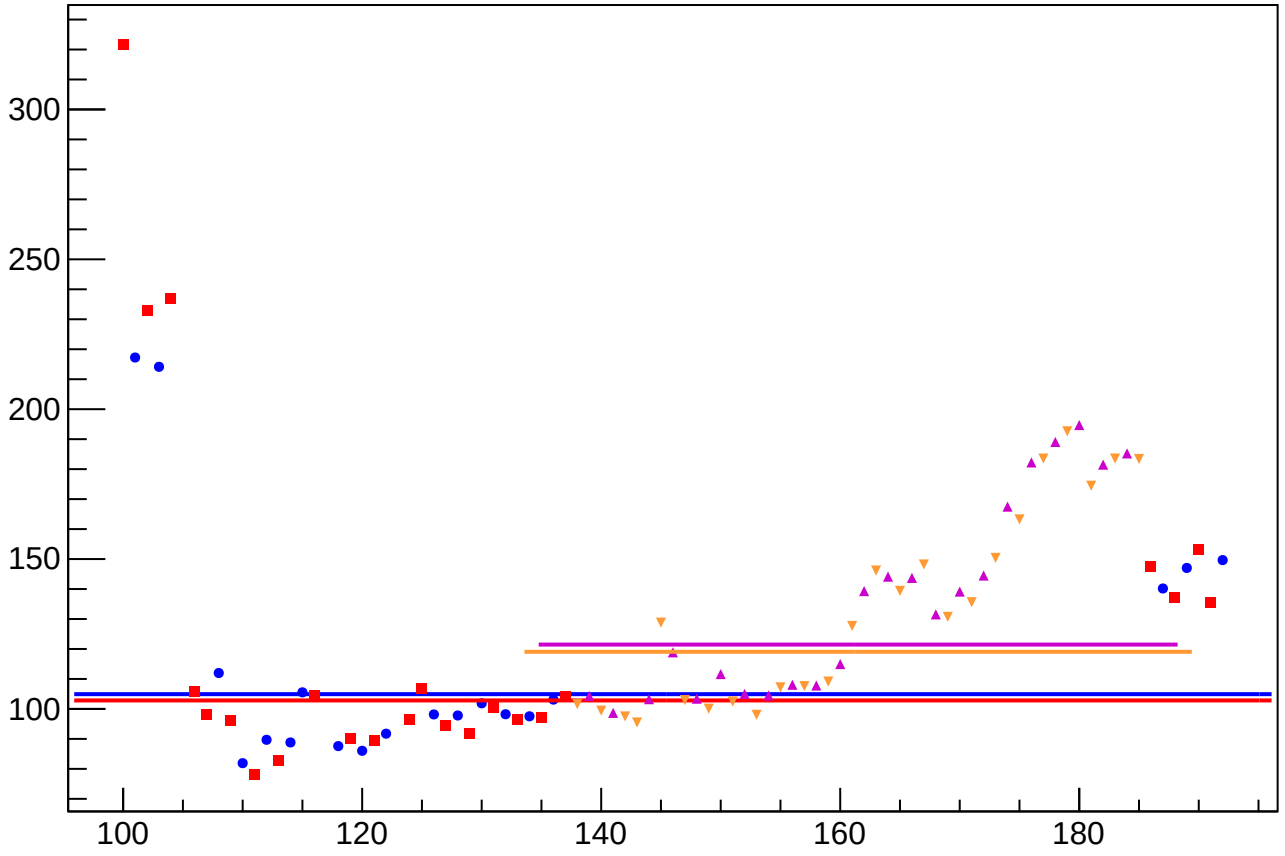
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -2574.964+/-22.400 χ^2/NDF: 151668.0/43

All: -210.088+/-15.906 χ^2/NDF: 312487.8/89

- sign 2195.201+/-22.590 χ^2/NDF: 138336.9/45

asym_bpm1i04WS_rms vs Slug



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

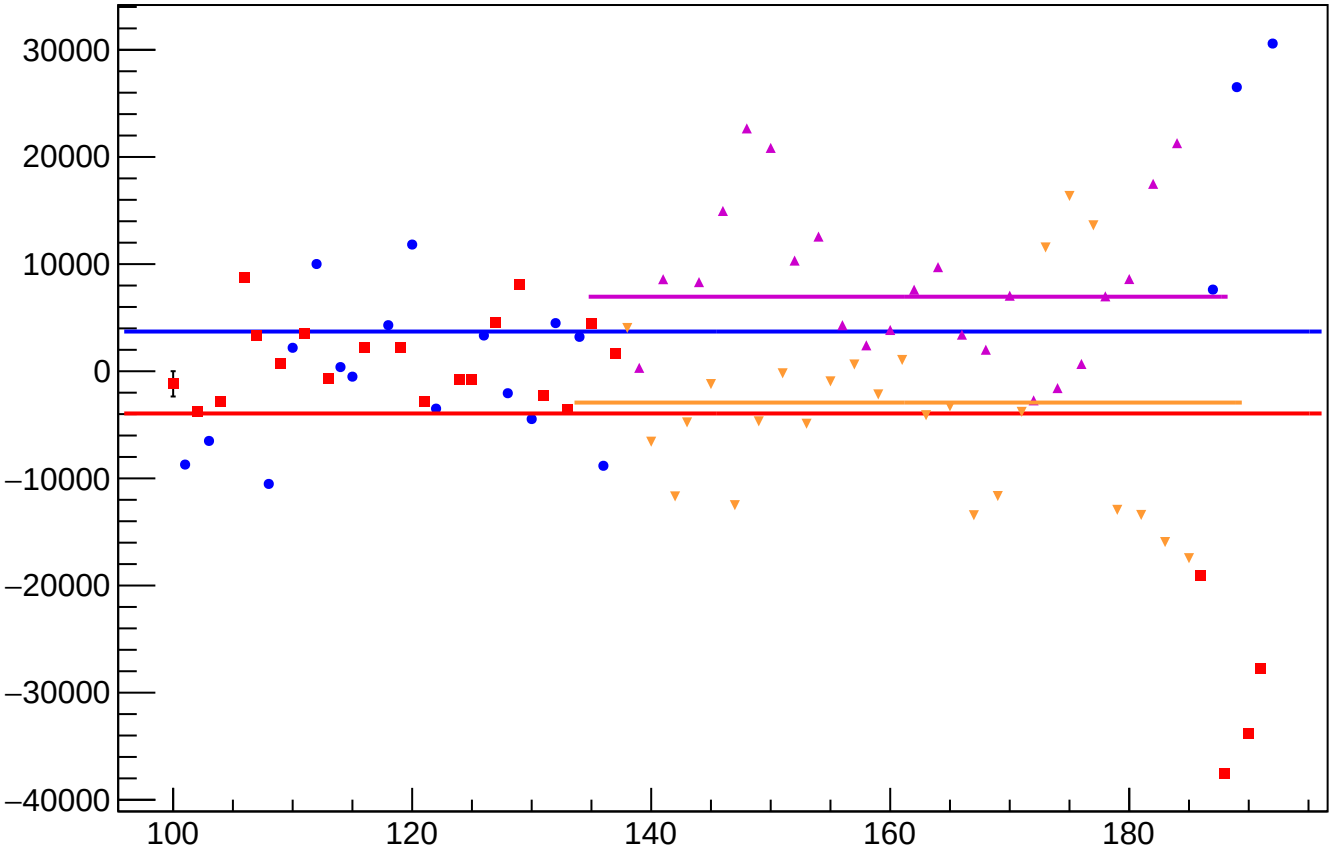
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 114.003+/-0.016 χ^2/NDF: 3063115.2/43

All: 113.975+/-0.011 χ^2/NDF: 6182851.9/89

- sign 113.946+/-0.016 χ^2/NDF: 3119730.2/45

asym_bpm1i06WS_mean vs Slug



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

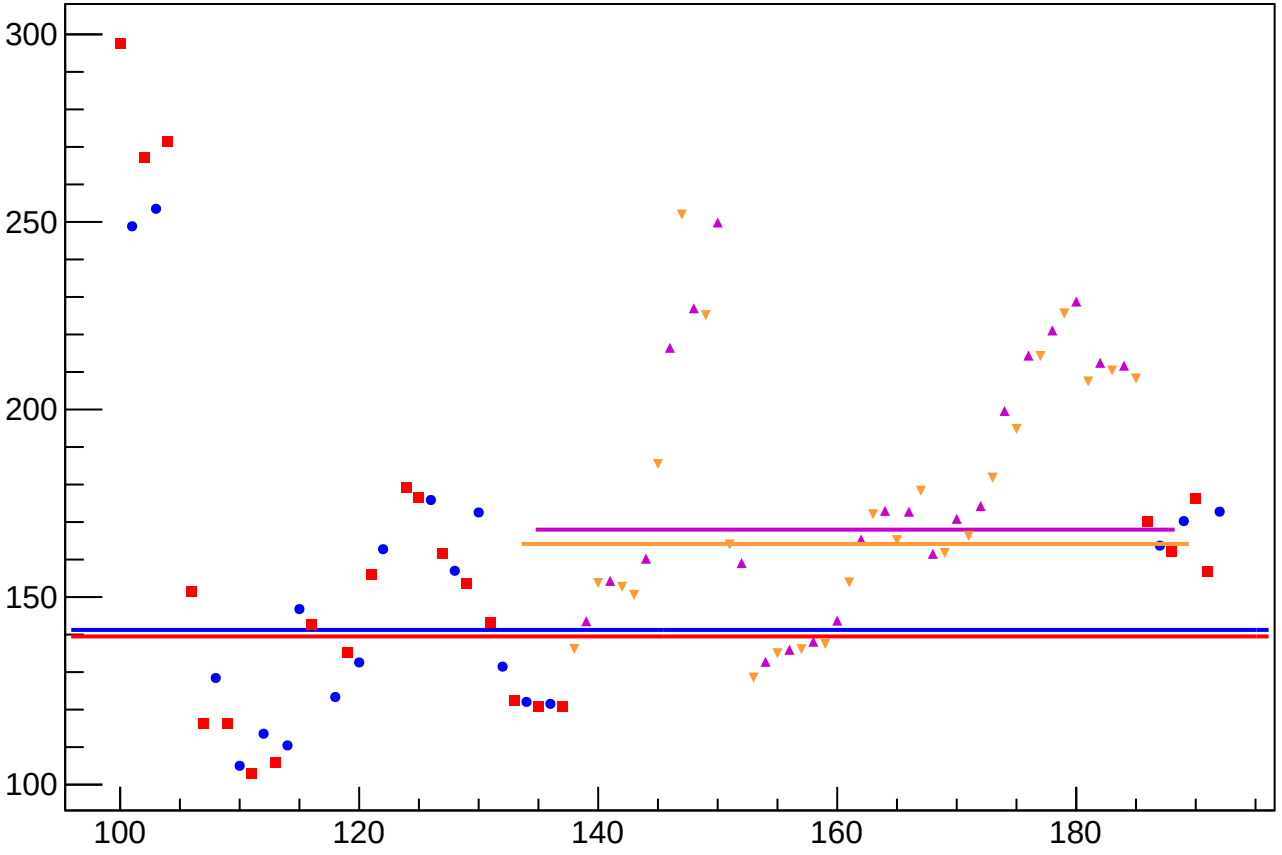
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

\+ sign -452.932+/-30.246 χ^2/NDF: 103854.3/43

All: 956.113+/-21.554 χ^2/NDF: 235747.4/89

\- sign 2409.850+/-30.722 χ^2/NDF: 127483.8/45

asym_bpm1i06WS_rms vs Slug



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

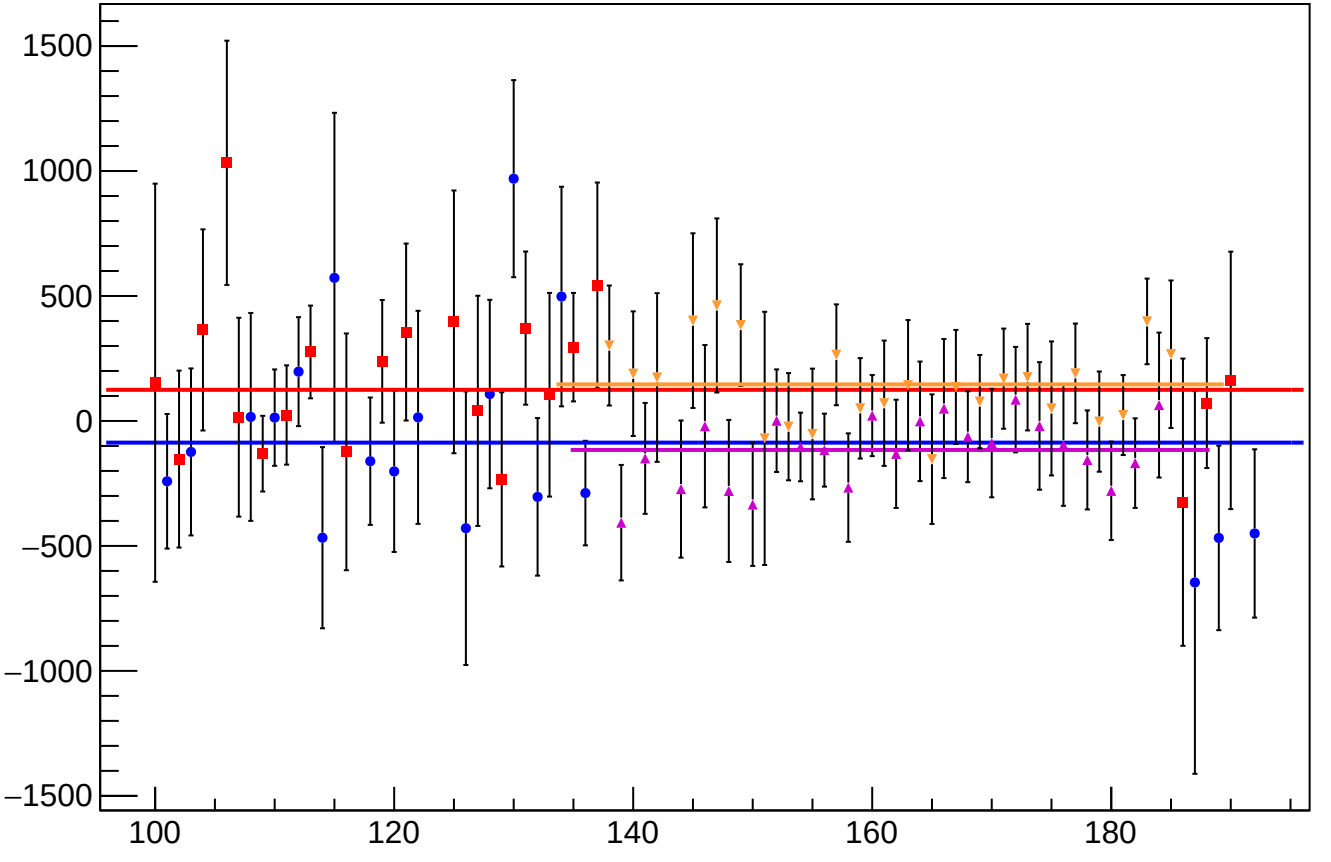
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 155.631+/-0.021 χ^2/NDF: 2408178.3/43

All: 155.861+/-0.015 χ^2/NDF: 5084276.4/89

- sign 156.098+/-0.022 χ^2/NDF: 2675863.0/45

asym_bcm_2an_us_an_ds_avg_mean vs Slug



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

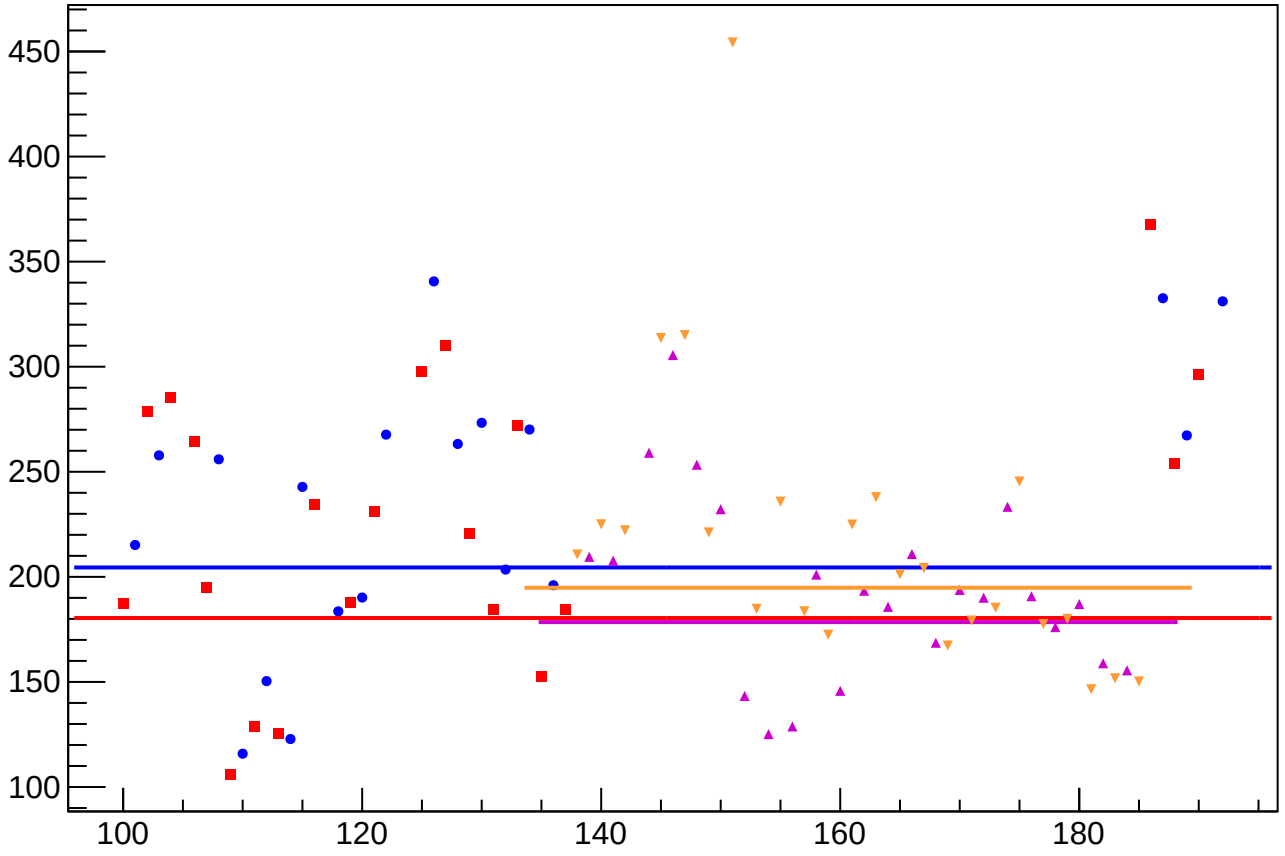
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

\+ sign 77.679+/-39.412 χ^2/NDF: 35.7/42

All: 13.033+/-26.679 χ^2/NDF: 71.2/86

\- sign -41.641+/-36.245 χ^2/NDF: 30.5/43

asym_bcm_2an_us_an_ds_avg_rms vs Slug



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

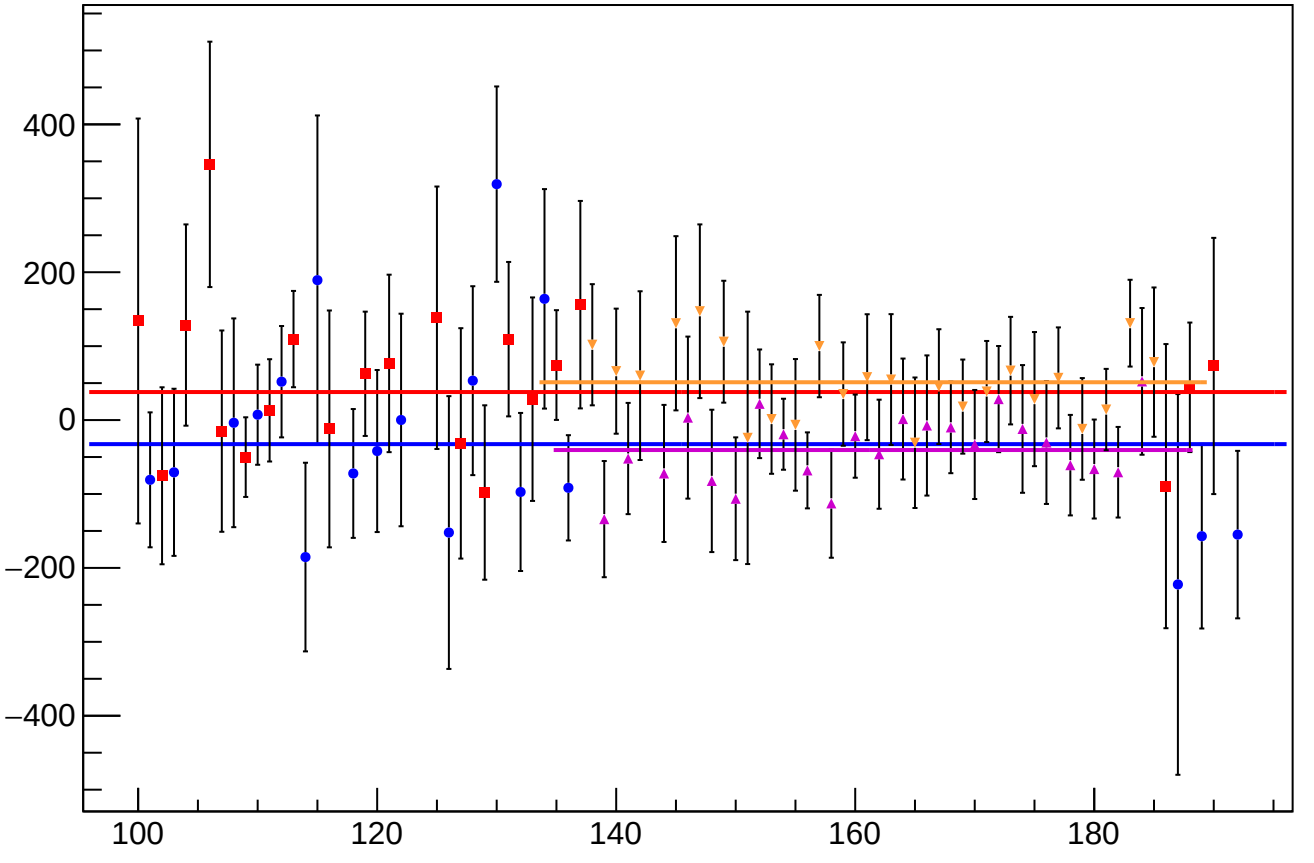
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

\+ sign 197.670+/-0.028 χ^2/NDF: 3255311.1/42

All: 187.595+/-0.019 χ^2/NDF: 7281932.6/86

\- sign 179.074+/-0.026 χ^2/NDF: 3785403.9/43

asym_bcm_2an_us_an_ds_dd_mean vs Slug



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

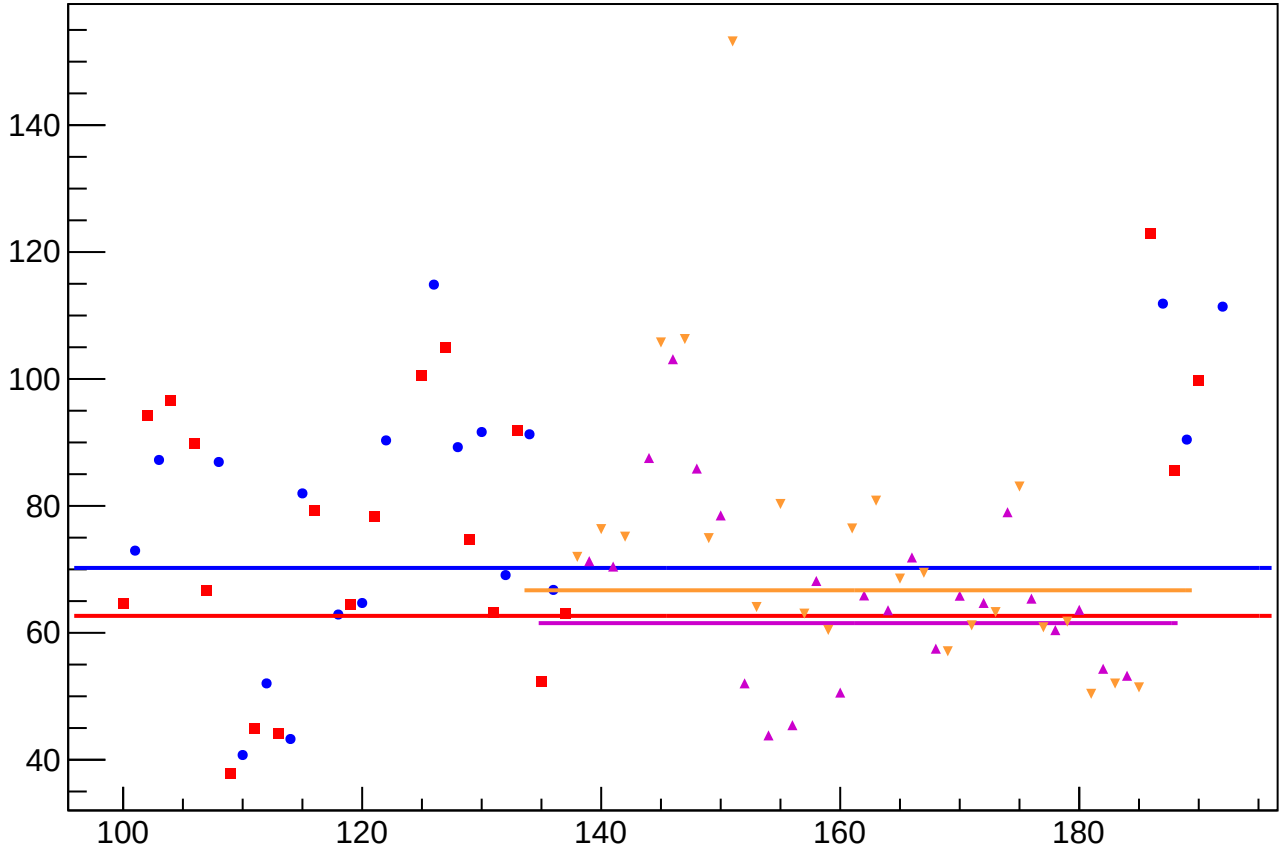
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign 26.512+/-13.471 χ^2/NDF: 34.3/42

All: 3.381+/-9.149 χ^2/NDF: 69.2/86

- sign -16.425+/-12.465 χ^2/NDF: 29.4/43

asym_bcm_2an_us_an_ds_dd_rms vs Slug



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

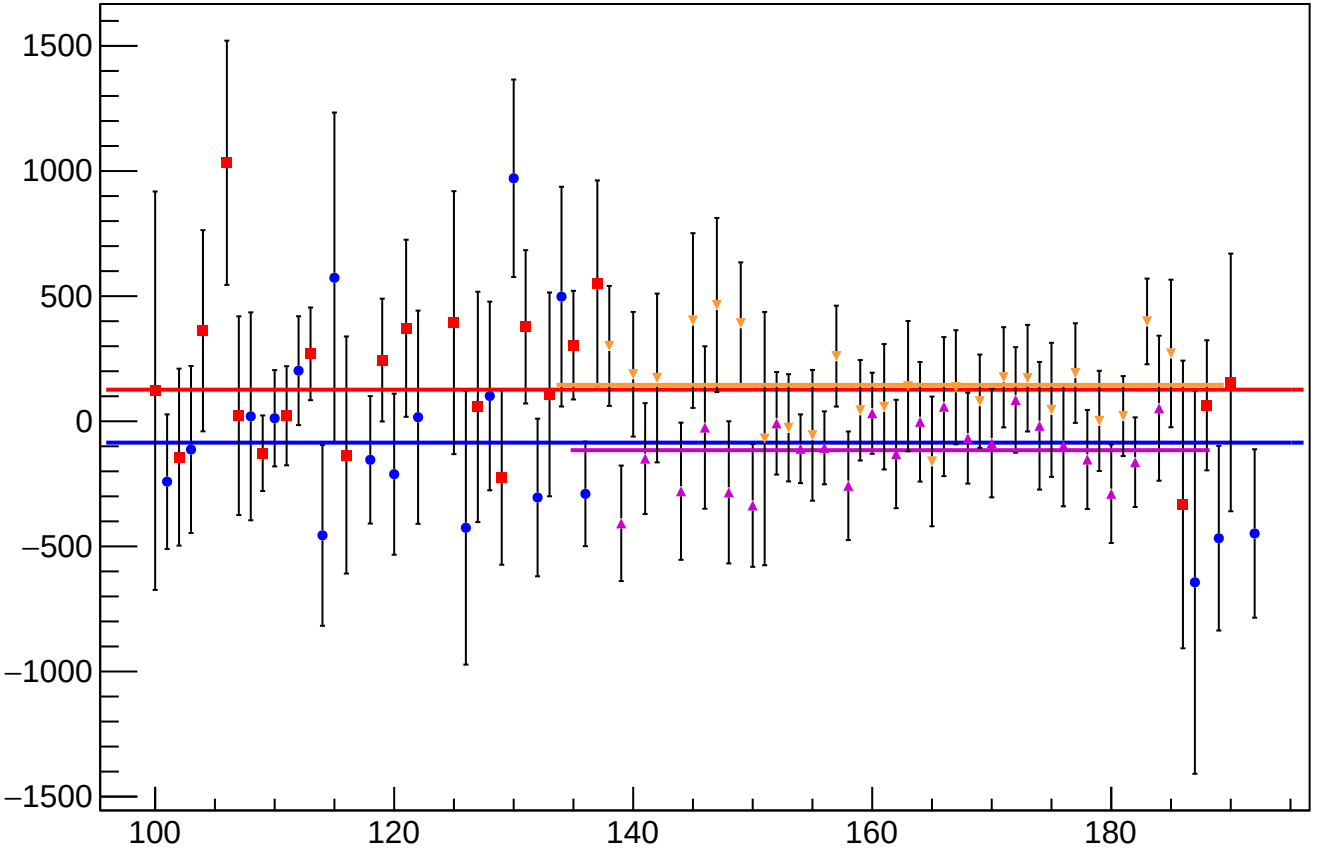
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 67.741+/-0.010 χ^2/NDF: 3056677.1/42

All: 64.584+/-0.006 χ^2/NDF: 6662305.1/86

- sign 61.880+/-0.009 χ^2/NDF: 3401727.9/43

asym_bcm_an_us_an_ds_avg_mean vs Slug



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

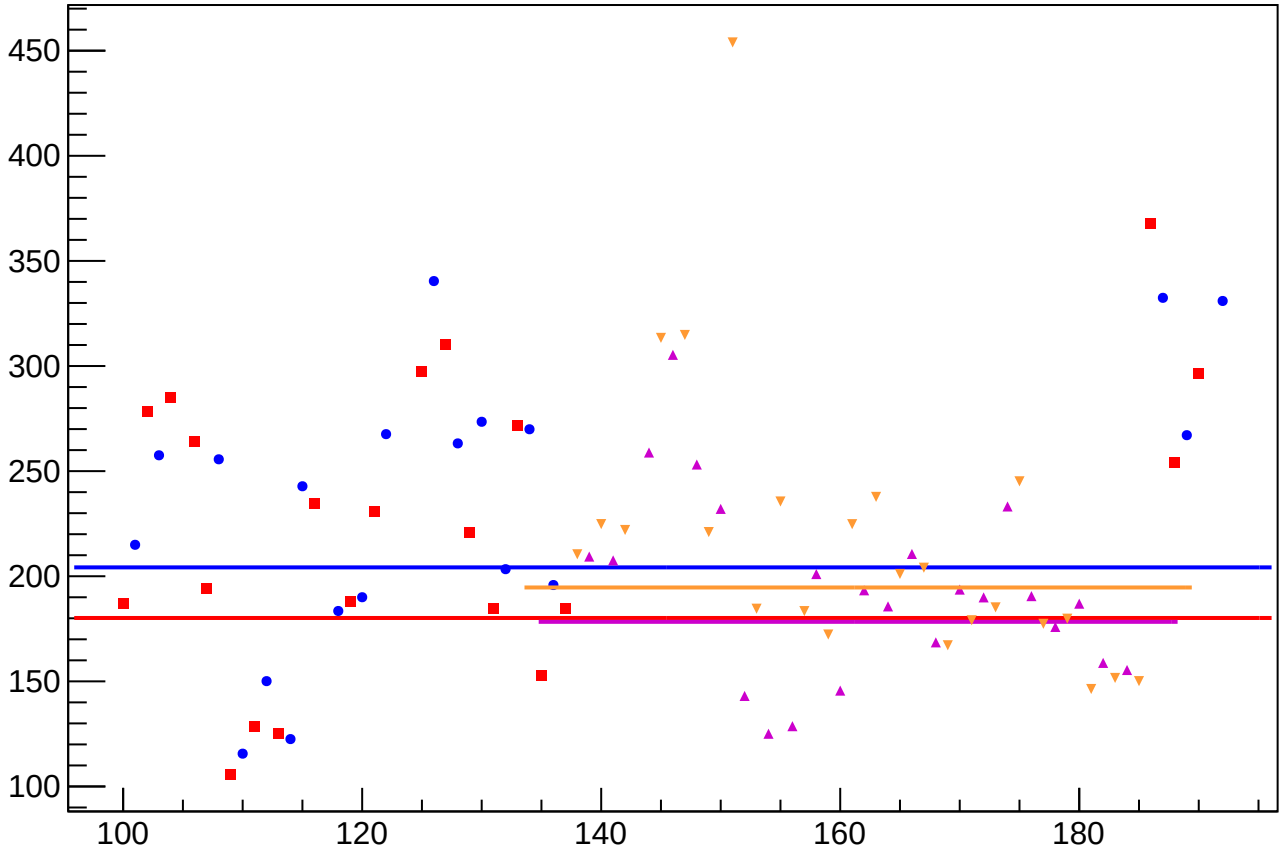
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 77.431+/-39.376 χ^2/NDF: 35.9/42

All: 13.414+/-26.654 χ^2/NDF: 71.6/86

- sign -40.725+/-36.211 χ^2/NDF: 30.9/43

asym_bcm_an_us_an_ds_avg_rms vs Slug



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

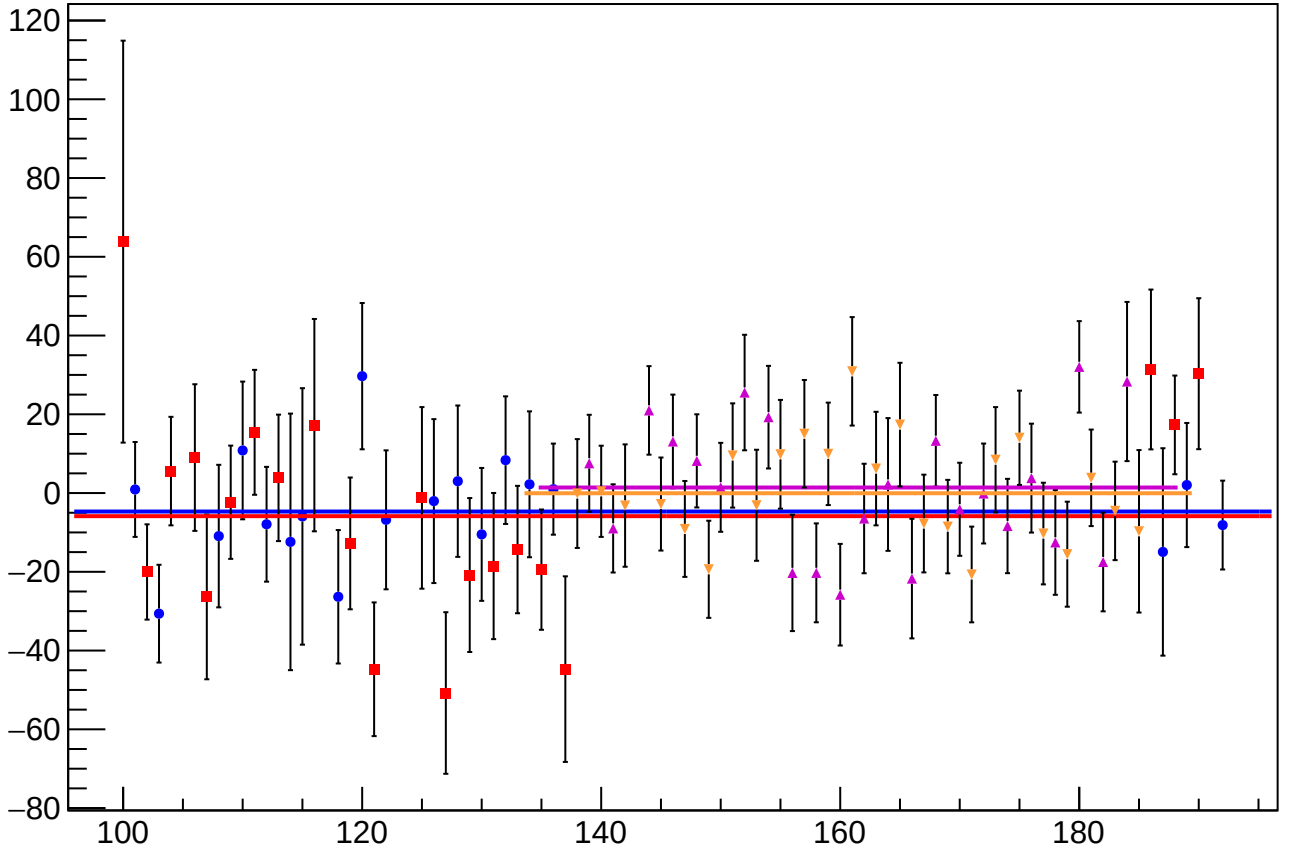
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 197.477+/-0.028 χ^2/NDF: 3261165.3/42

All: 187.403+/-0.019 χ^2/NDF: 7297846.7/86

- sign 178.884+/-0.026 χ^2/NDF: 3795084.0/43

asym_bcm_an_us_an_ds_dd_mean vs Slug



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

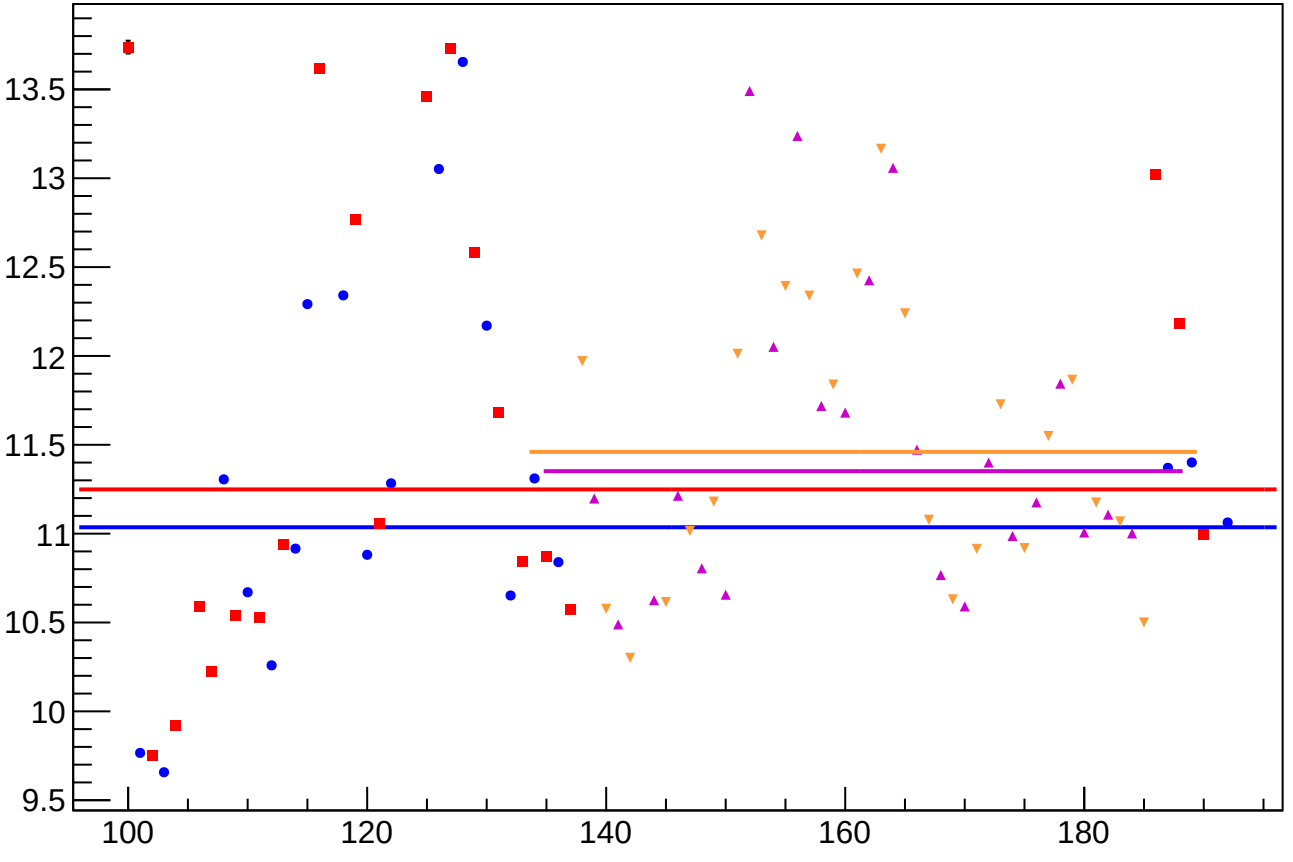
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.633+/-2.179 χ^2/NDF: 33.9/42

All: -1.327+/-1.542 χ^2/NDF: 106.7/86

- sign -1.019+/-2.183 χ^2/NDF: 72.7/43

asym_bcm_an_us_an_ds_dd_rms vs Slug



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

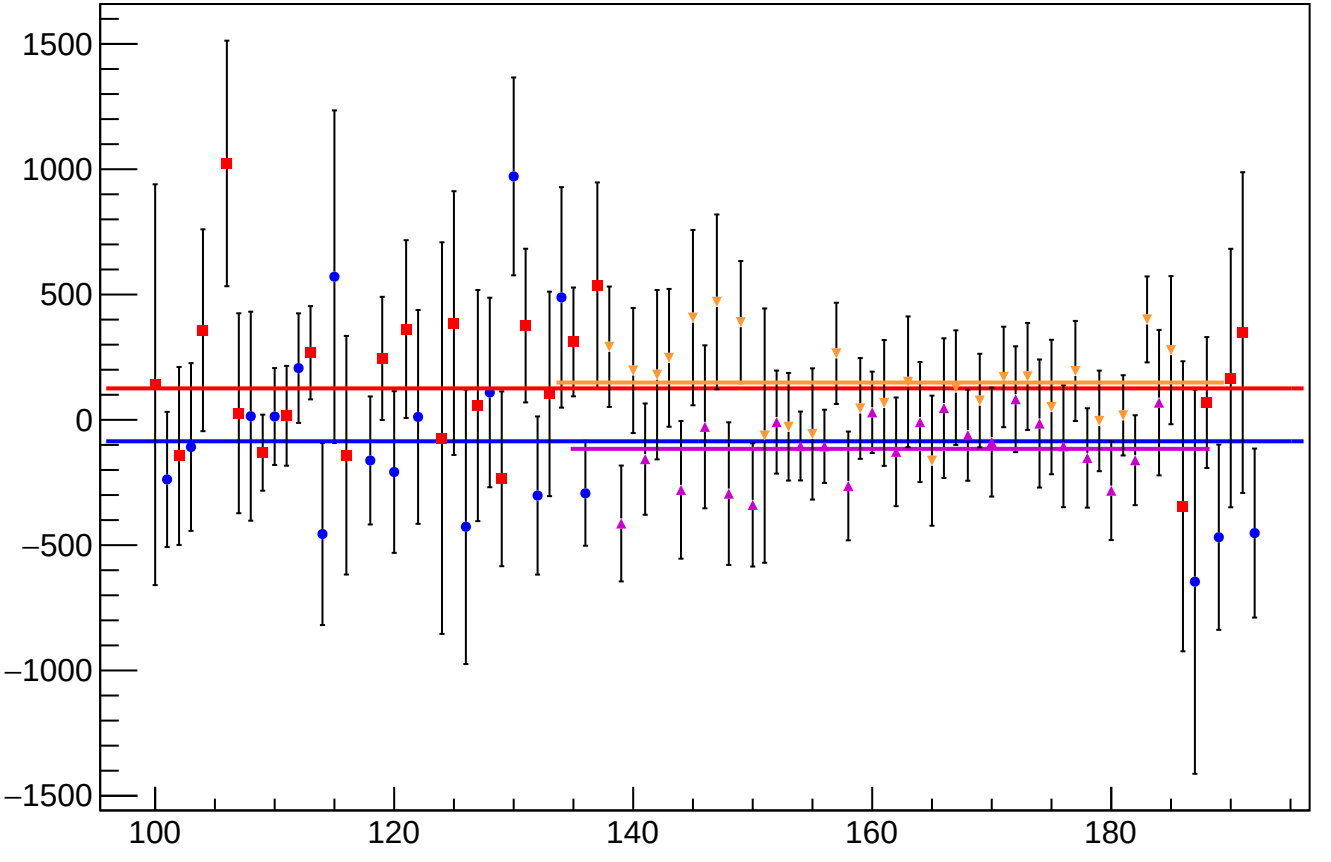
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.315+/-0.002 χ^2/NDF: 305198.0/42

All: 11.316+/-0.001 χ^2/NDF: 668817.4/86

- sign 11.317+/-0.002 χ^2/NDF: 363618.4/43

asym_bcm_an_us_an_ds3_avg_mean vs Slug



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

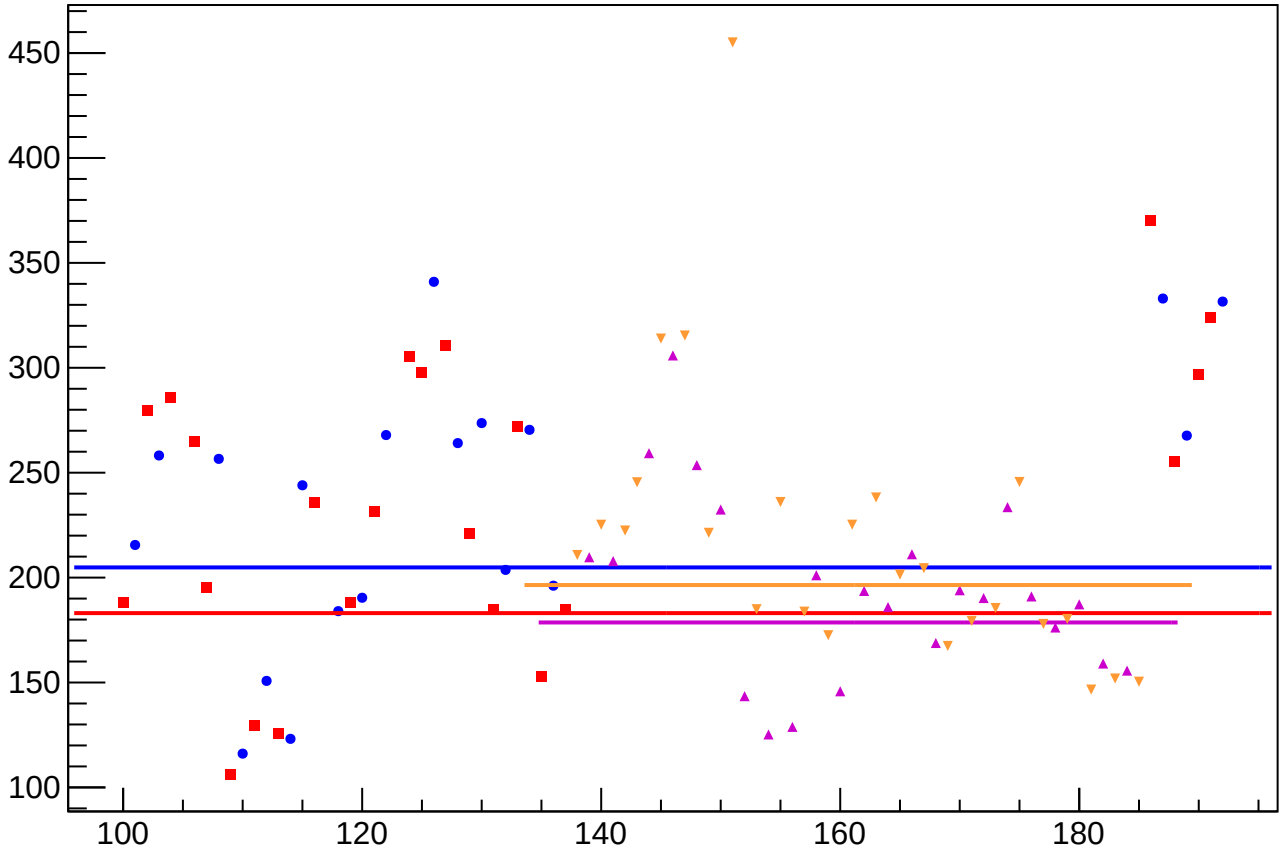
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 81.285+/-39.062 χ^2/NDF: 36.4/43

All: 15.826+/-26.548 χ^2/NDF: 72.6/89

- sign -40.366+/-36.191 χ^2/NDF: 31.0/45

asym_bcm_an_us_an_ds3_avg_rms vs Slug



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

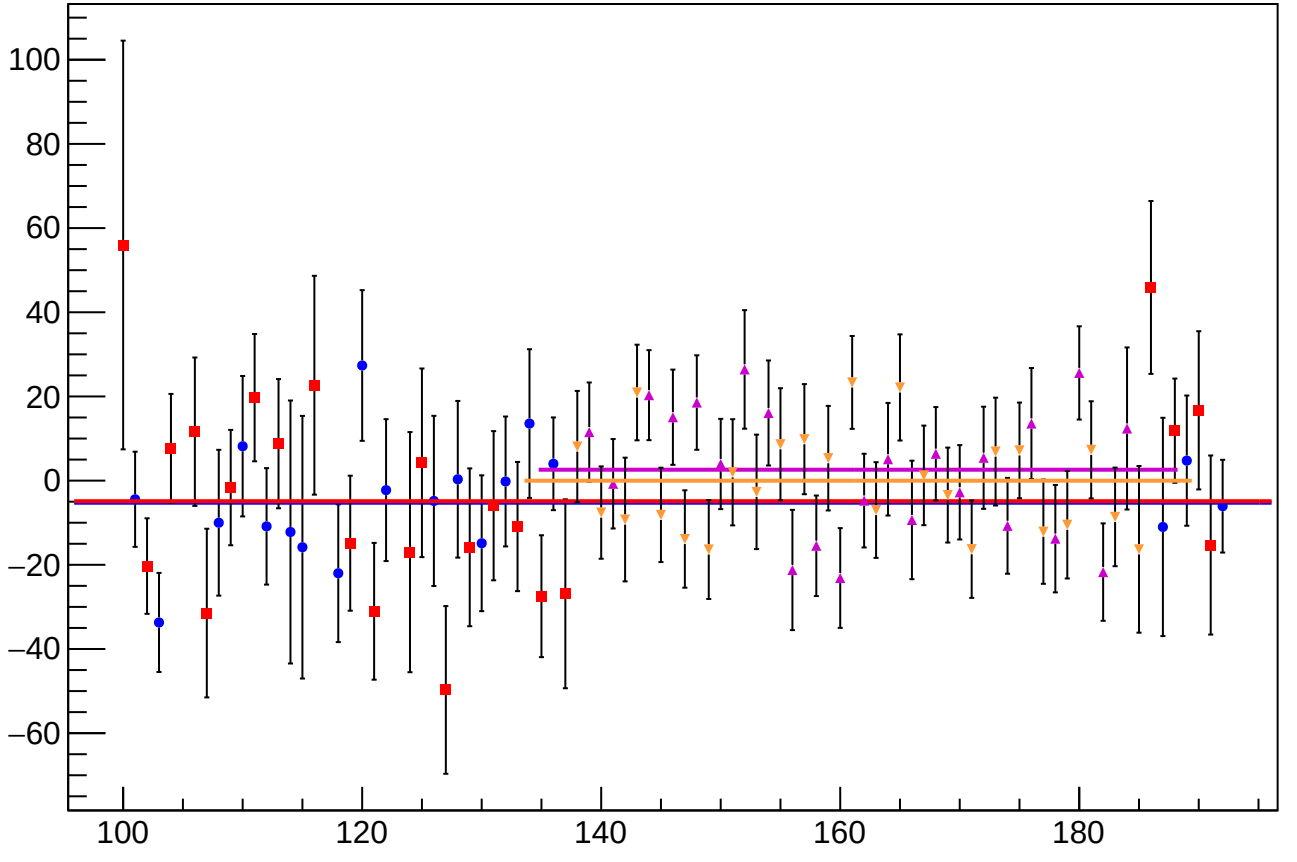
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

\+ sign 198.877+/-0.028 χ^2/NDF: 3313307.7/43

All: 188.723+/-0.019 χ^2/NDF: 7509708.3/89

\- sign 180.007+/-0.026 χ^2/NDF: 3945271.1/45

asym_bcm_an_us_an_ds3_dd_mean vs Slug



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

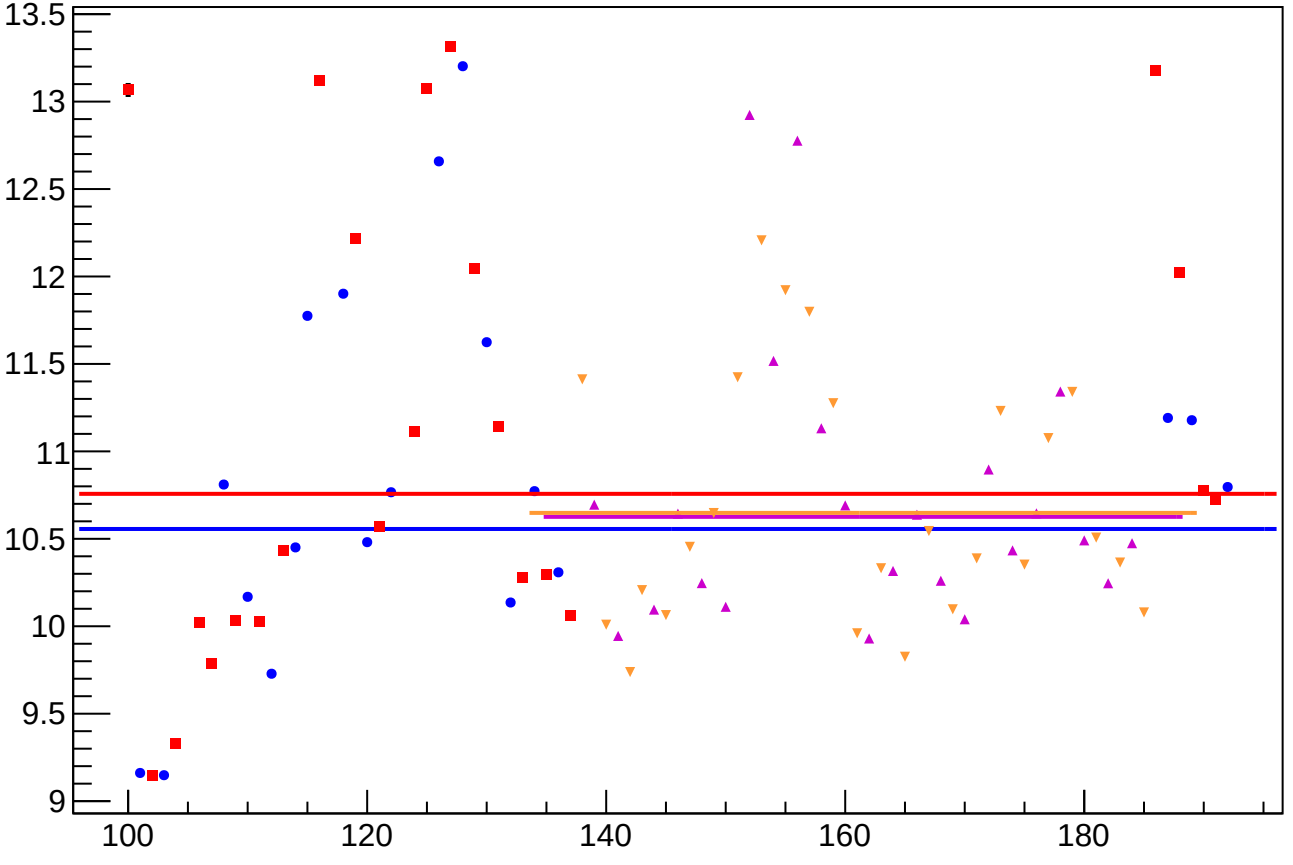
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.685+/-2.018 χ^2/NDF: 39.4/43

All: -0.806+/-1.437 χ^2/NDF: 110.9/89

- sign 0.098+/-2.046 χ^2/NDF: 71.1/45

asym_bcm_an_us_an_ds3_dd_rms vs Slug



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

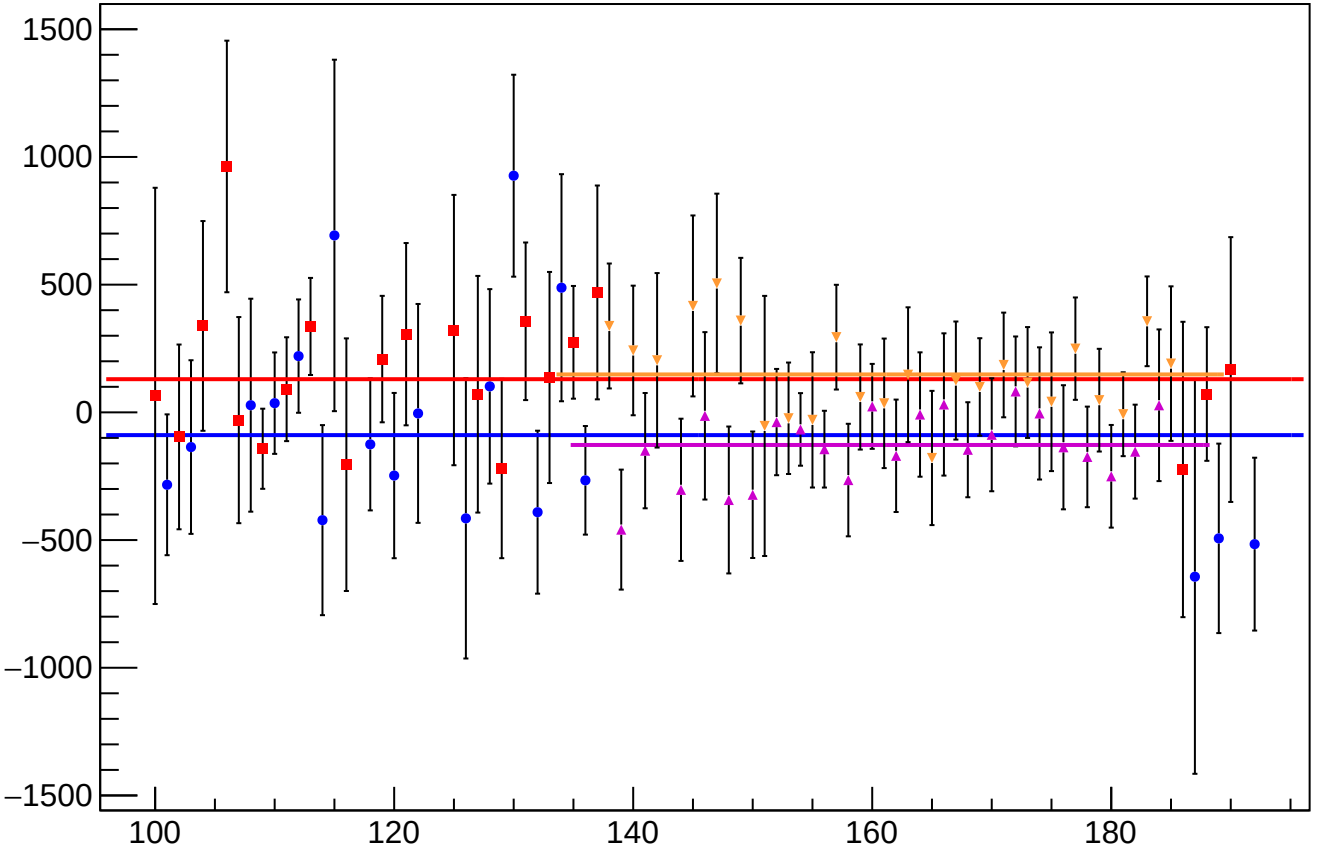
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.619+/-0.001 χ^2/NDF: 308130.7/43

All: 10.644+/-0.001 χ^2/NDF: 711609.6/89

- sign 10.670+/-0.001 χ^2/NDF: 402858.7/45

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



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

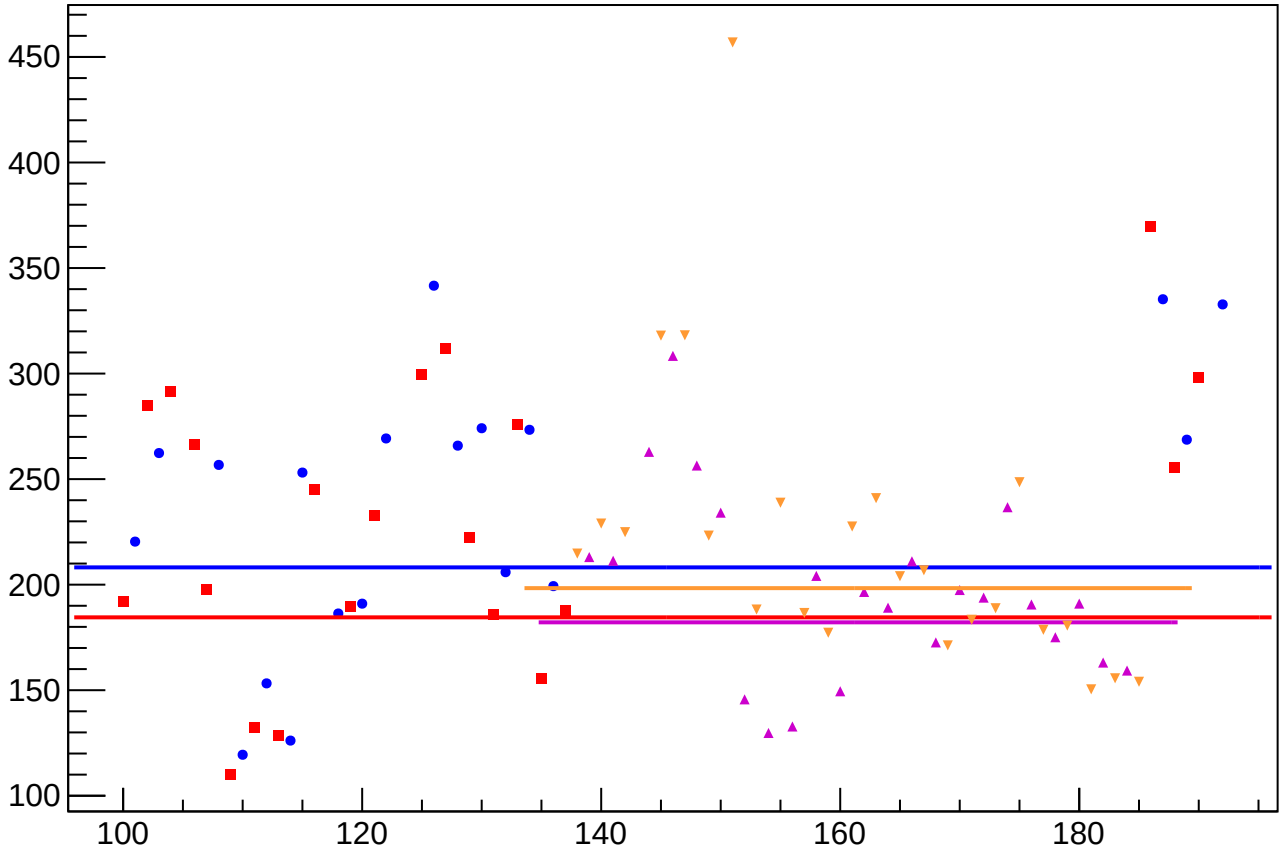
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 78.347+/-40.066 χ^2/NDF: 36.3/42

All: 9.952+/-27.156 χ^2/NDF: 71.8/86

- sign -48.169+/-36.935 χ^2/NDF: 30.1/43

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



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

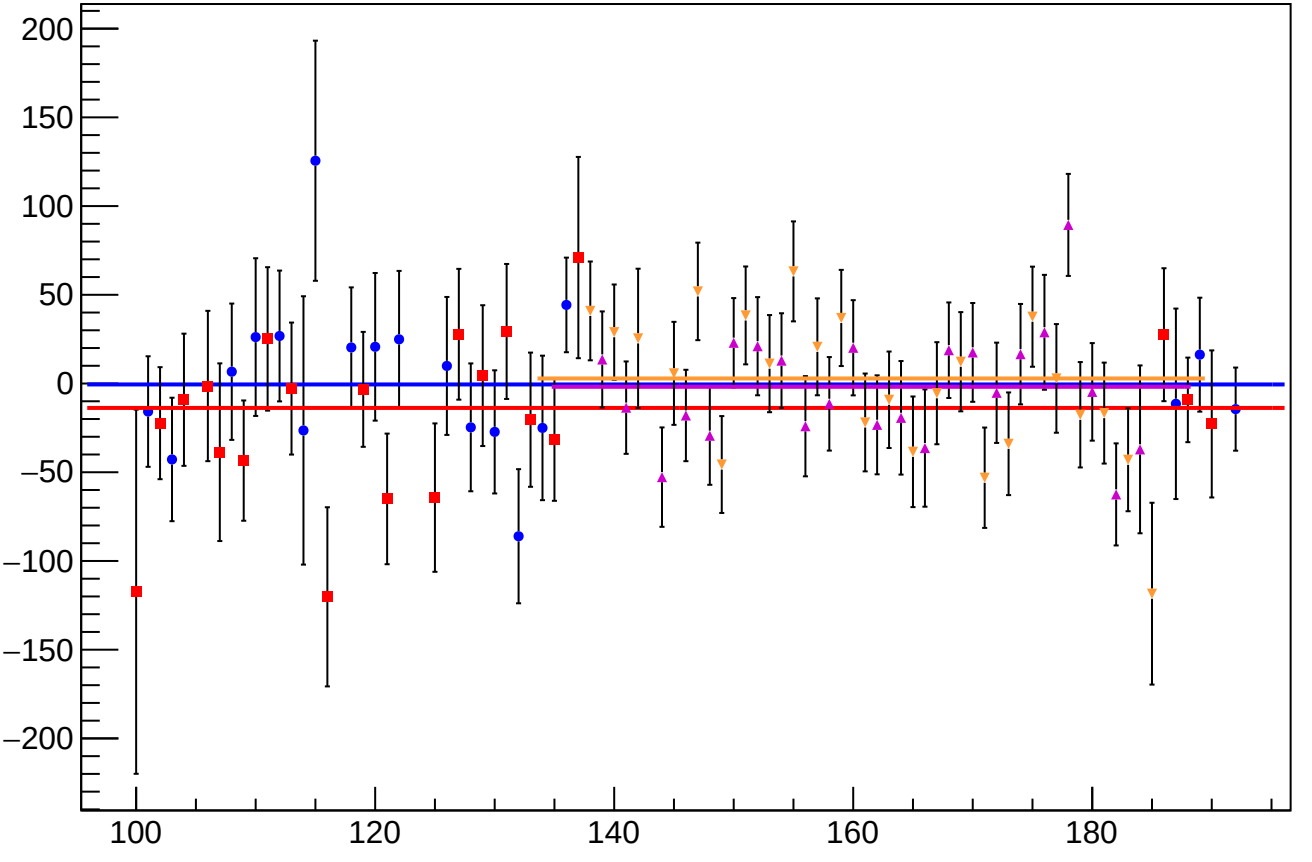
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 201.253+/-0.028 χ^2/NDF: 3137356.0/42

All: 191.320+/-0.019 χ^2/NDF: 6974837.0/86

- sign 182.880+/-0.026 χ^2/NDF: 3610111.7/43

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



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

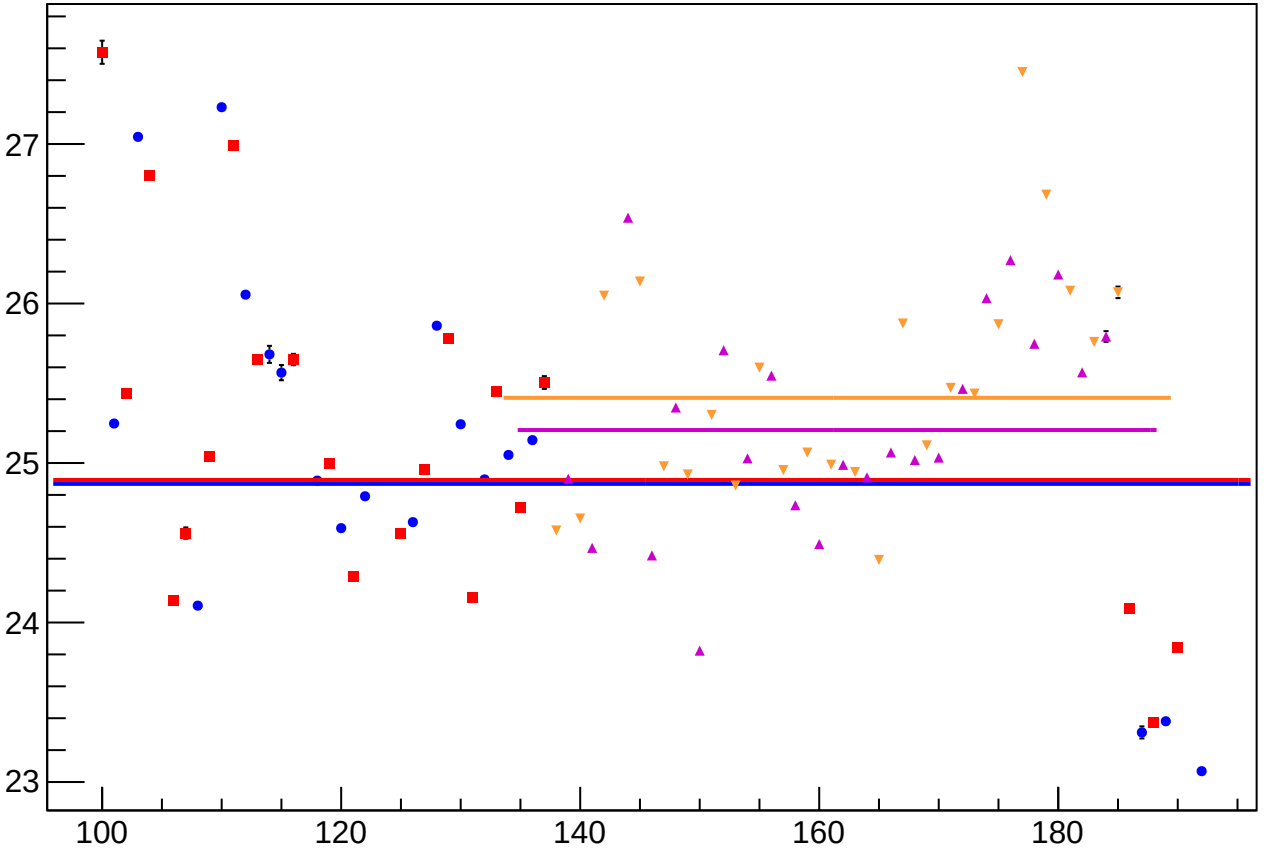
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.723+/-4.817 χ^2/NDF: 54.4/42

All: -2.079+/-3.400 χ^2/NDF: 102.9/86

- sign -5.854+/-4.800 χ^2/NDF: 47.2/43

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



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

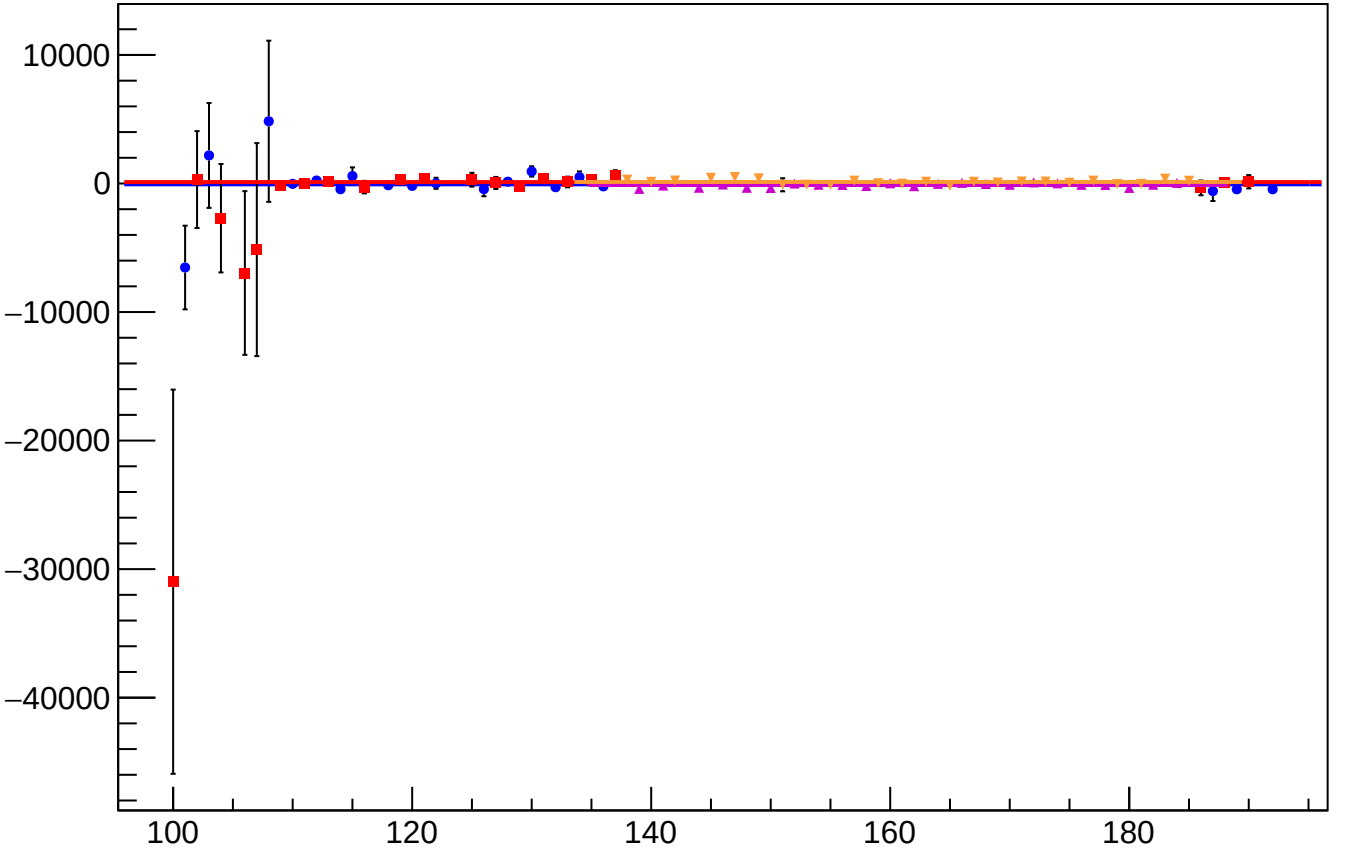
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.228+/-0.003 χ^2/NDF: 69498.0/42

All: 25.165+/-0.002 χ^2/NDF: 126071.3/86

- sign 25.101+/-0.003 χ^2/NDF: 55876.6/43

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



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

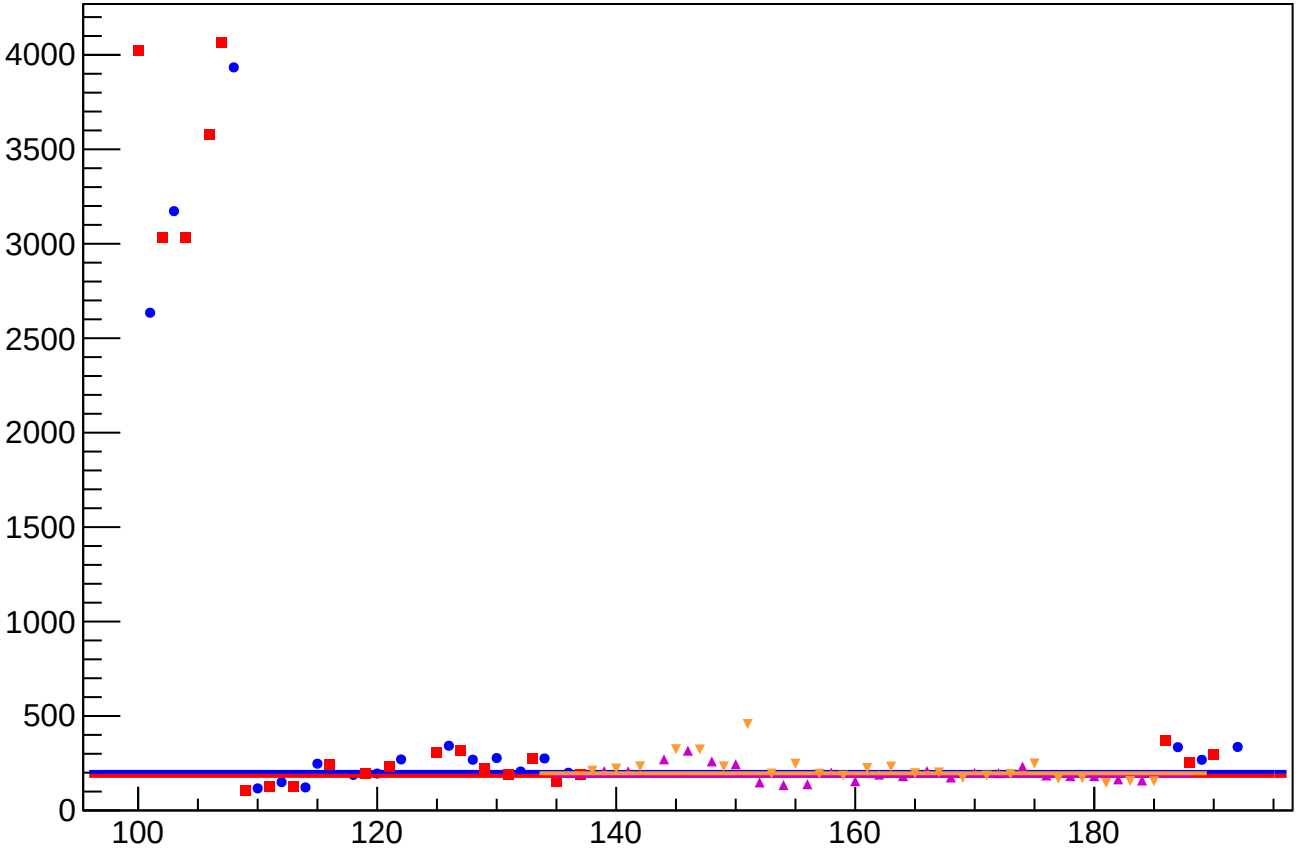
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 72.179+/-40.755 χ^2/NDF: 37.3/42

All: 4.463+/-27.893 χ^2/NDF: 72.9/86

- sign -55.209+/-38.257 χ^2/NDF: 30.3/43

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



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

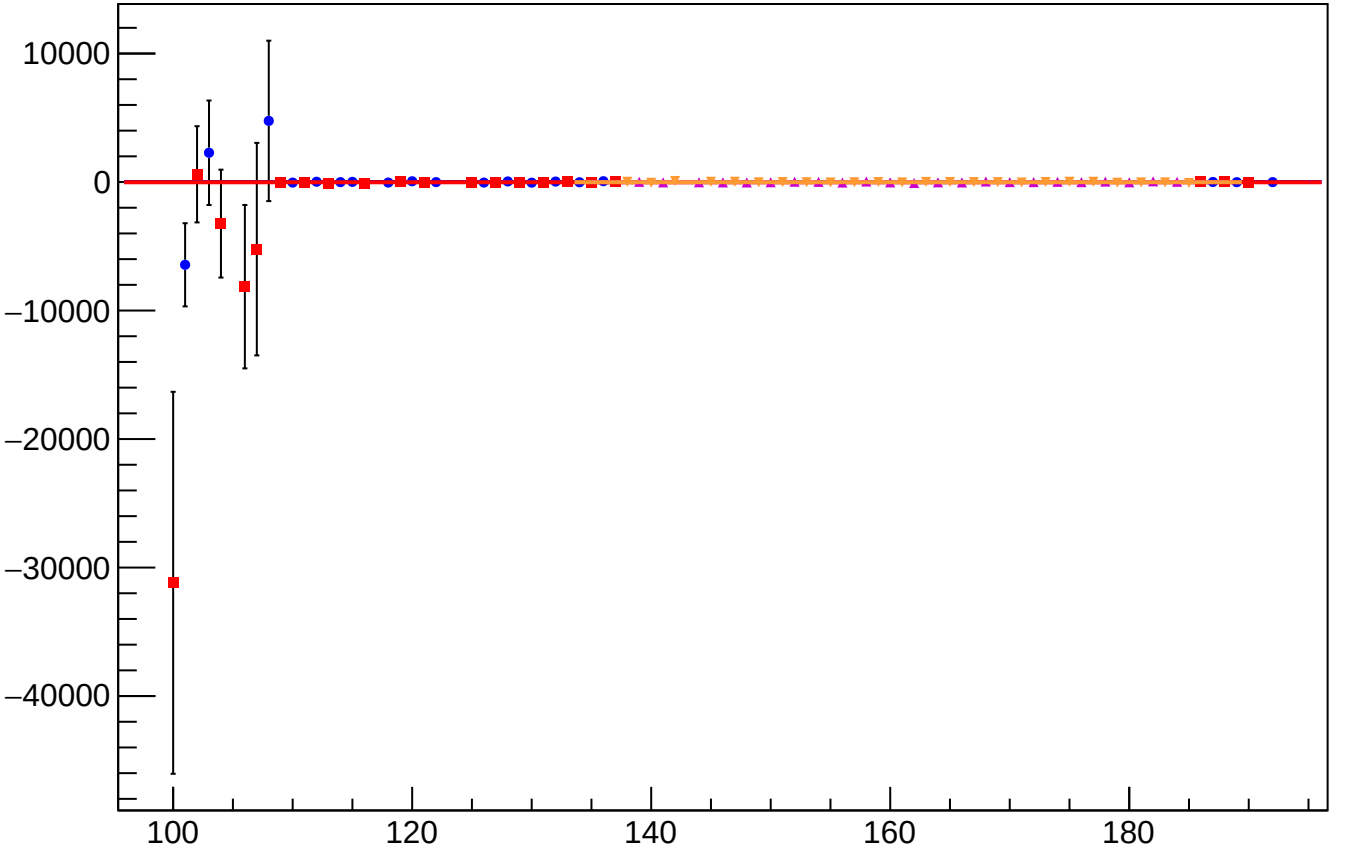
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 198.797+/-0.029 χ^2/NDF: 6118647.3/42

All: 190.812+/-0.020 χ^2/NDF: 12474381.6/86

- sign 183.775+/-0.027 χ^2/NDF: 6211299.1/43

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



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

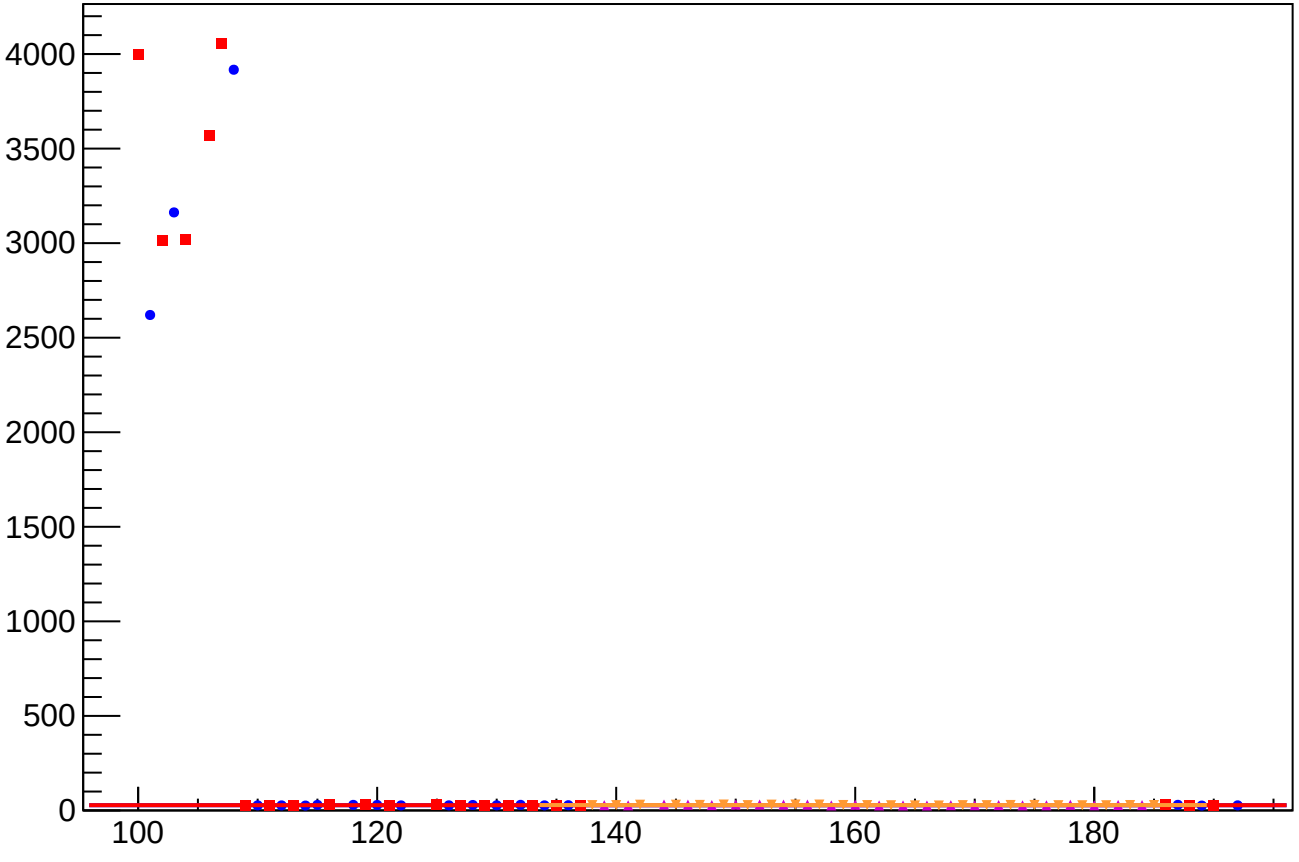
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.819+/-5.576 χ^2/NDF: 37.5/42

All: -6.906+/-3.979 χ^2/NDF: 86.6/86

- sign -6.995+/-5.679 χ^2/NDF: 49.0/43

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



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

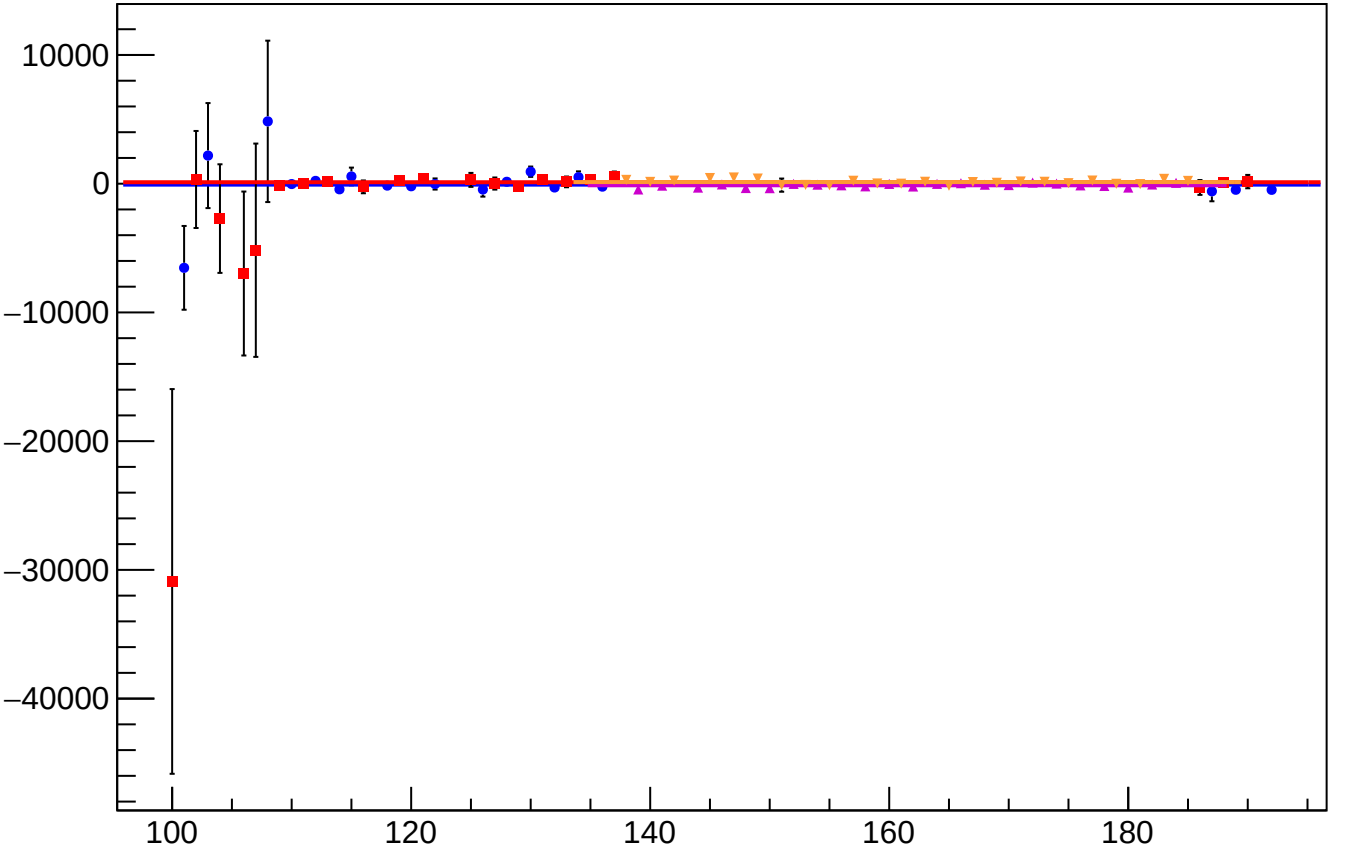
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.288+/-0.004 χ^2/NDF: 3369764.5/42

All: 28.384+/-0.003 χ^2/NDF: 7079634.8/86

- sign 28.484+/-0.004 χ^2/NDF: 3708655.0/43

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



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

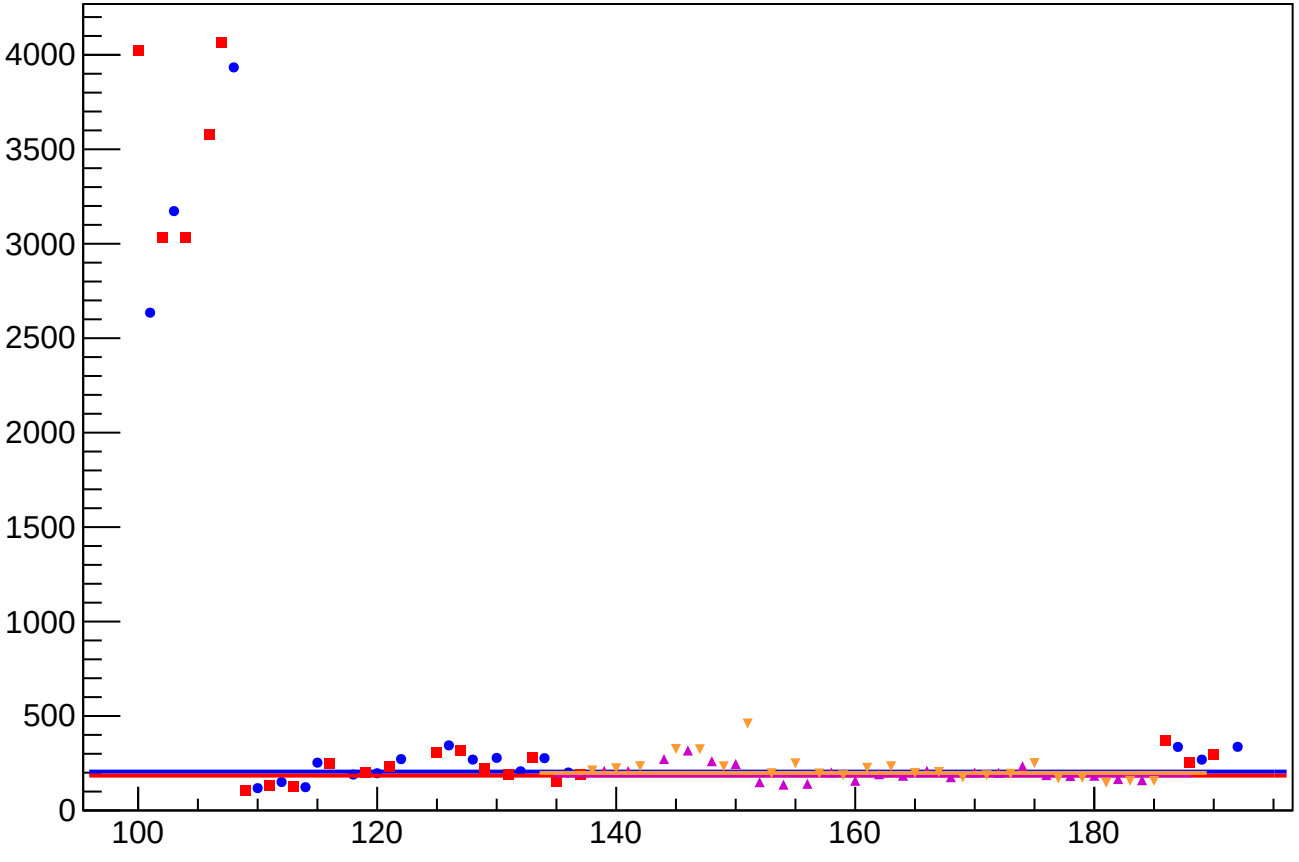
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 74.292+/-41.088 χ^2/NDF: 37.7/42

All: 3.654+/-28.127 χ^2/NDF: 72.4/86

- sign -58.640+/-38.585 χ^2/NDF: 29.2/43

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



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

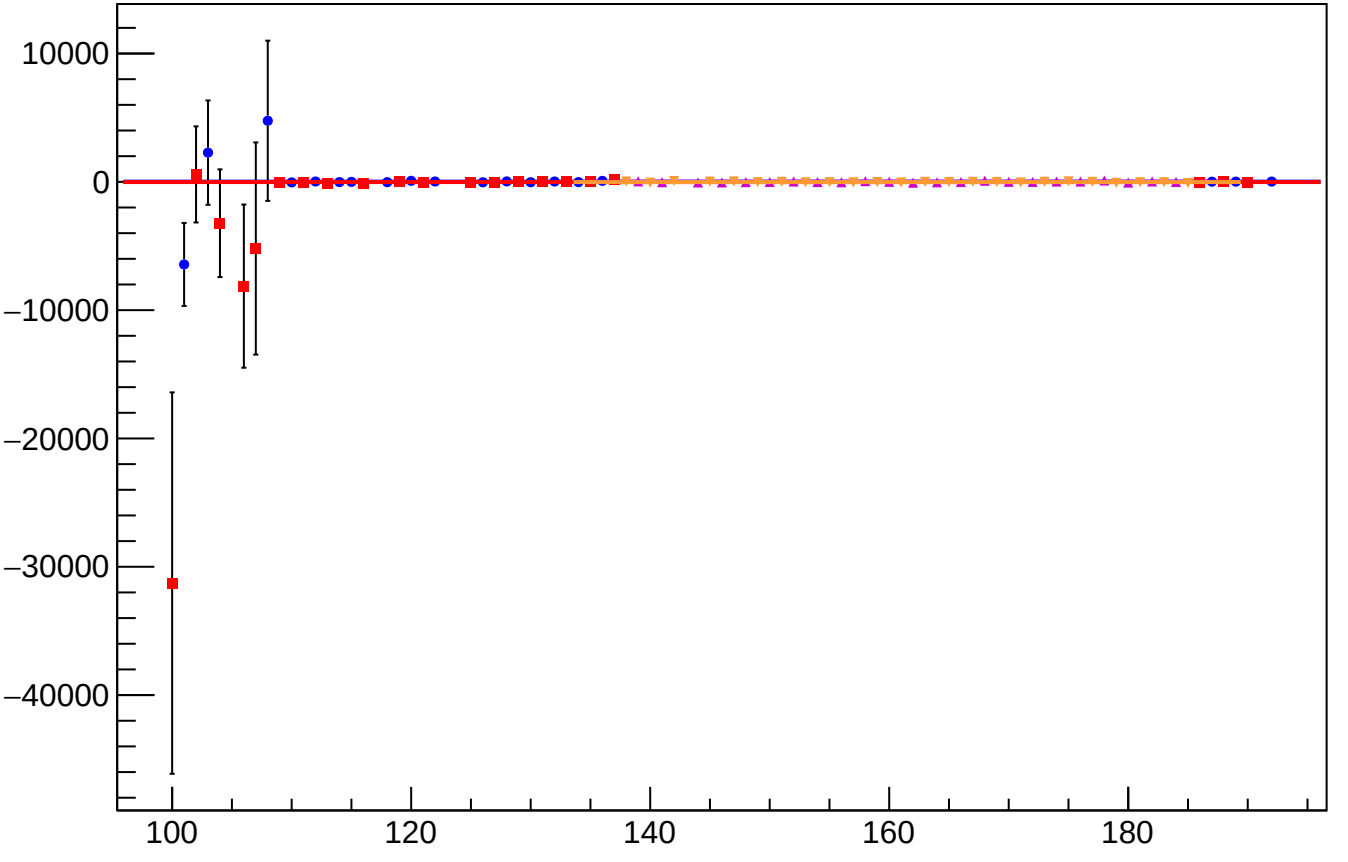
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 200.530+/-0.029 χ^2/NDF: 6076246.1/42

All: 192.536+/-0.020 χ^2/NDF: 12373028.4/86

- sign 185.485+/-0.027 χ^2/NDF: 6154294.0/43

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



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

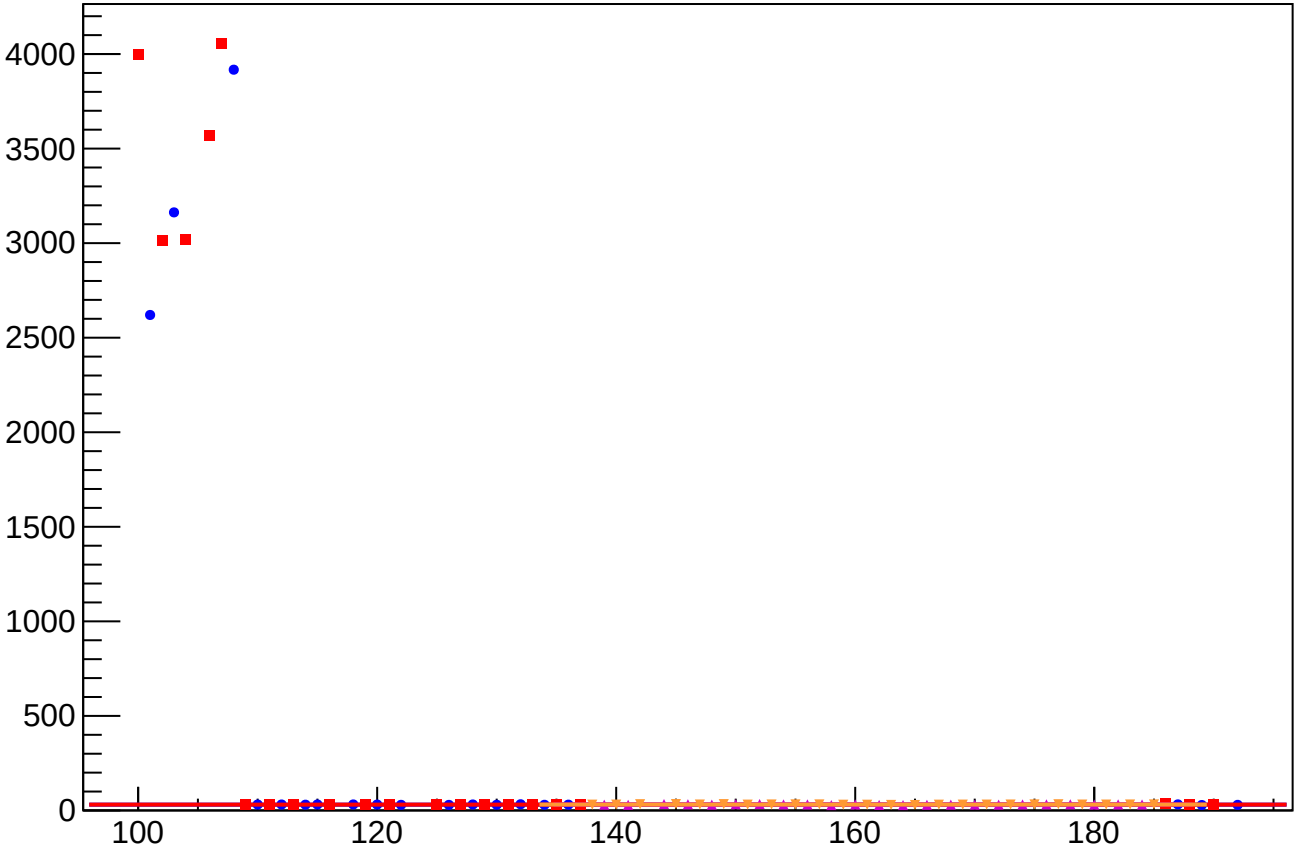
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -8.530+/-6.112 χ^2/NDF: 41.9/42

All: -5.692+/-4.360 χ^2/NDF: 110.3/86

- sign -2.752+/-6.221 χ^2/NDF: 67.9/43

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



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

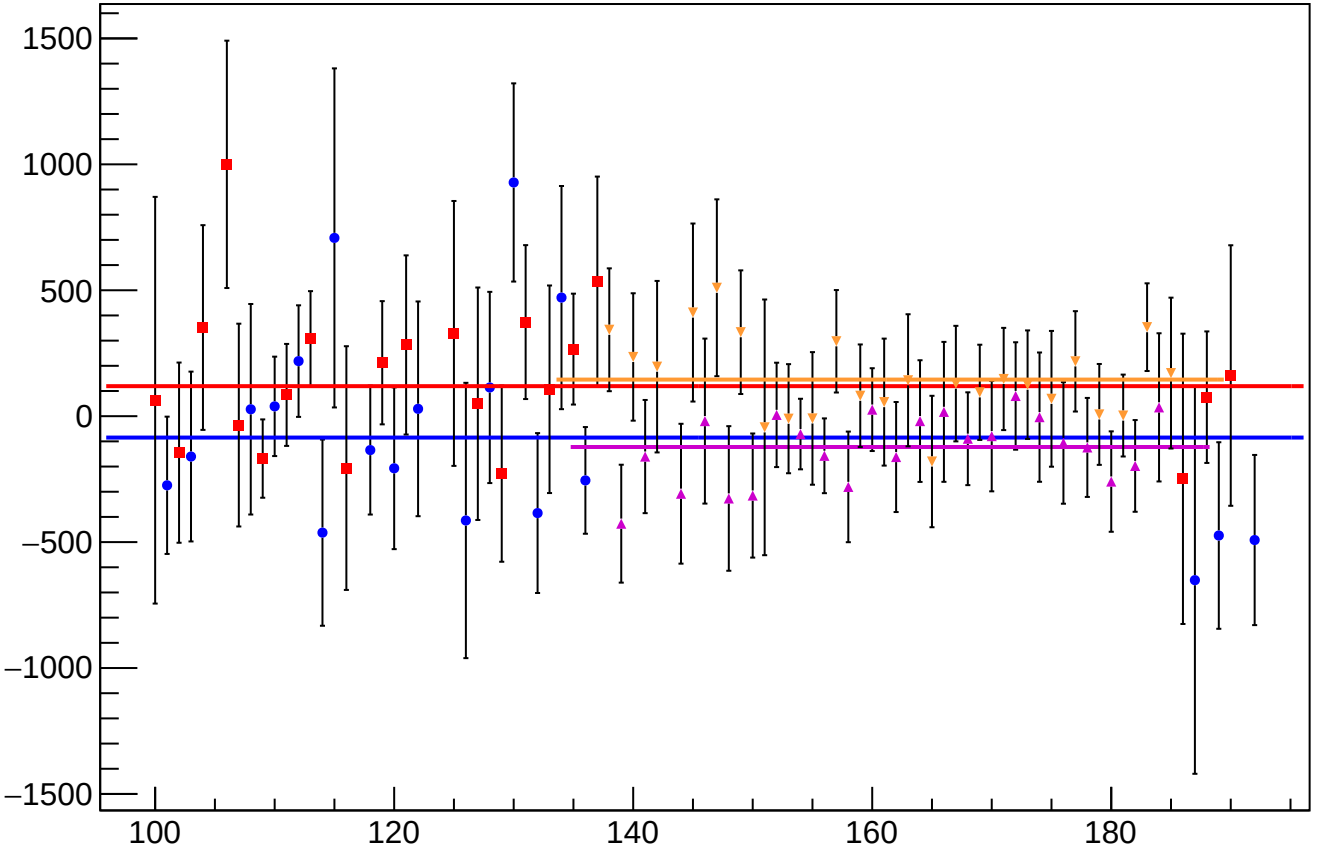
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 31.035+/-0.004 χ^2/NDF: 3313536.9/42

All: 31.133+/-0.003 χ^2/NDF: 6950191.0/86

\- sign 31.235+/-0.004 χ^2/NDF: 3635602.4/43

asym_bcm_dg_us_an_us_avg_mean vs Slug



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

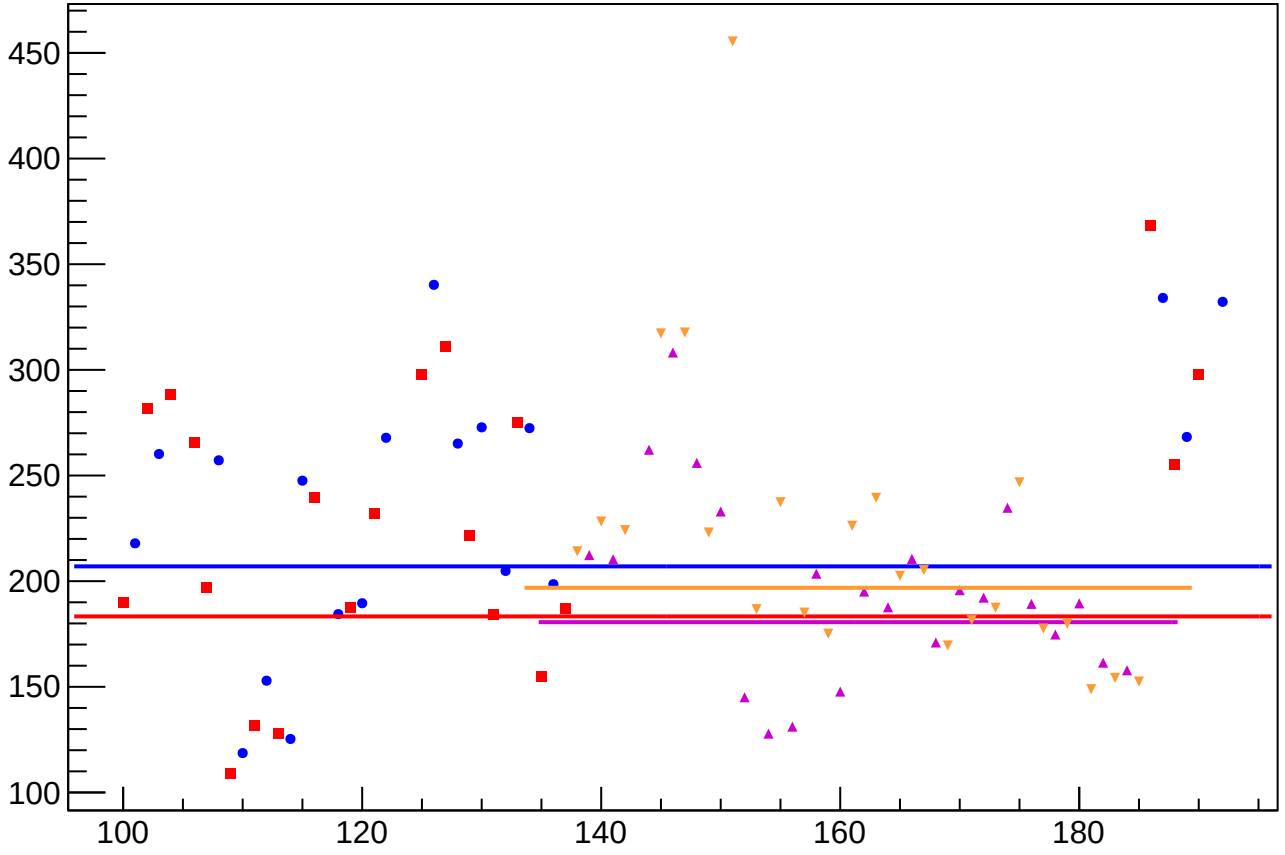
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 77.537+/-39.807 χ^2/NDF: 35.3/42

All: 9.654+/-26.970 χ^2/NDF: 71.1/86

- sign -47.941+/-36.667 χ^2/NDF: 30.4/43

asym_bcm_dg_us_an_us_avg_rms vs Slug



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

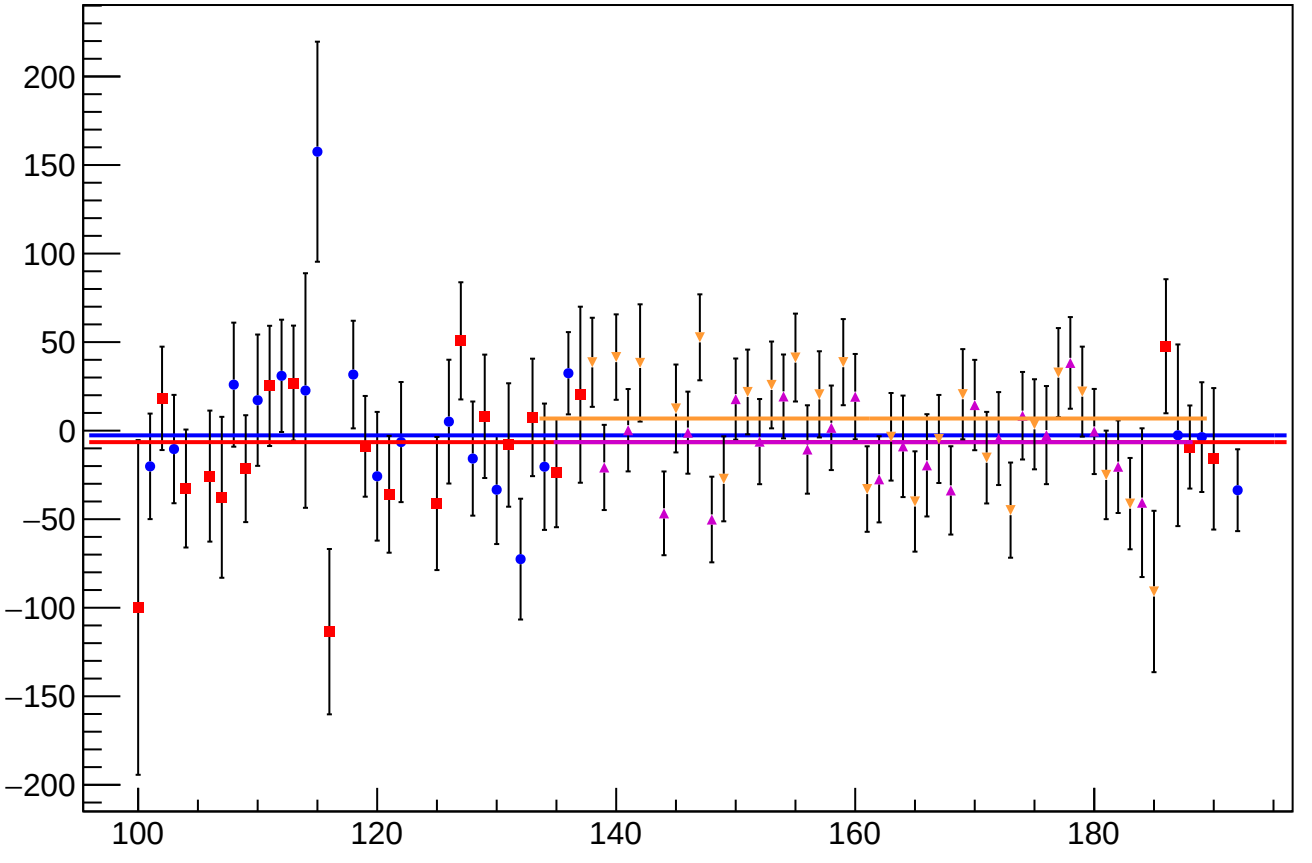
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

\+ sign 199.856+/-0.028 χ^2/NDF: 3173512.4/42

All: 189.893+/-0.019 χ^2/NDF: 7063786.3/86

\- sign 181.439+/-0.026 χ^2/NDF: 3658684.3/43

asym_bcm_dg_us_an_us_dd_mean vs Slug



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

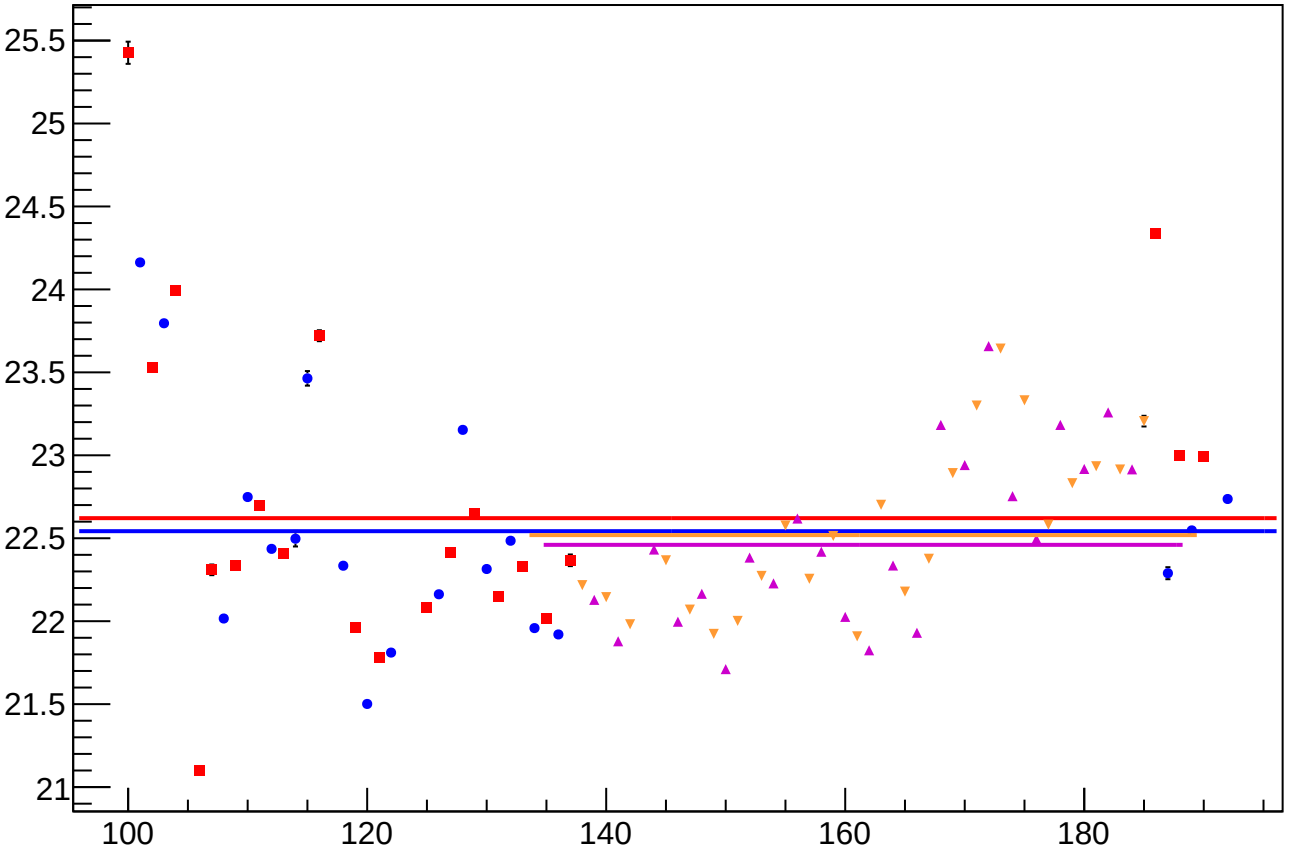
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 3.770+/-4.298 χ^2/NDF: 58.6/42

All: -1.351+/-3.040 χ^2/NDF: 97.1/86

- sign -6.483+/-4.302 χ^2/NDF: 35.6/43

asym_bcm_dg_us_an_us_dd_rms vs Slug



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

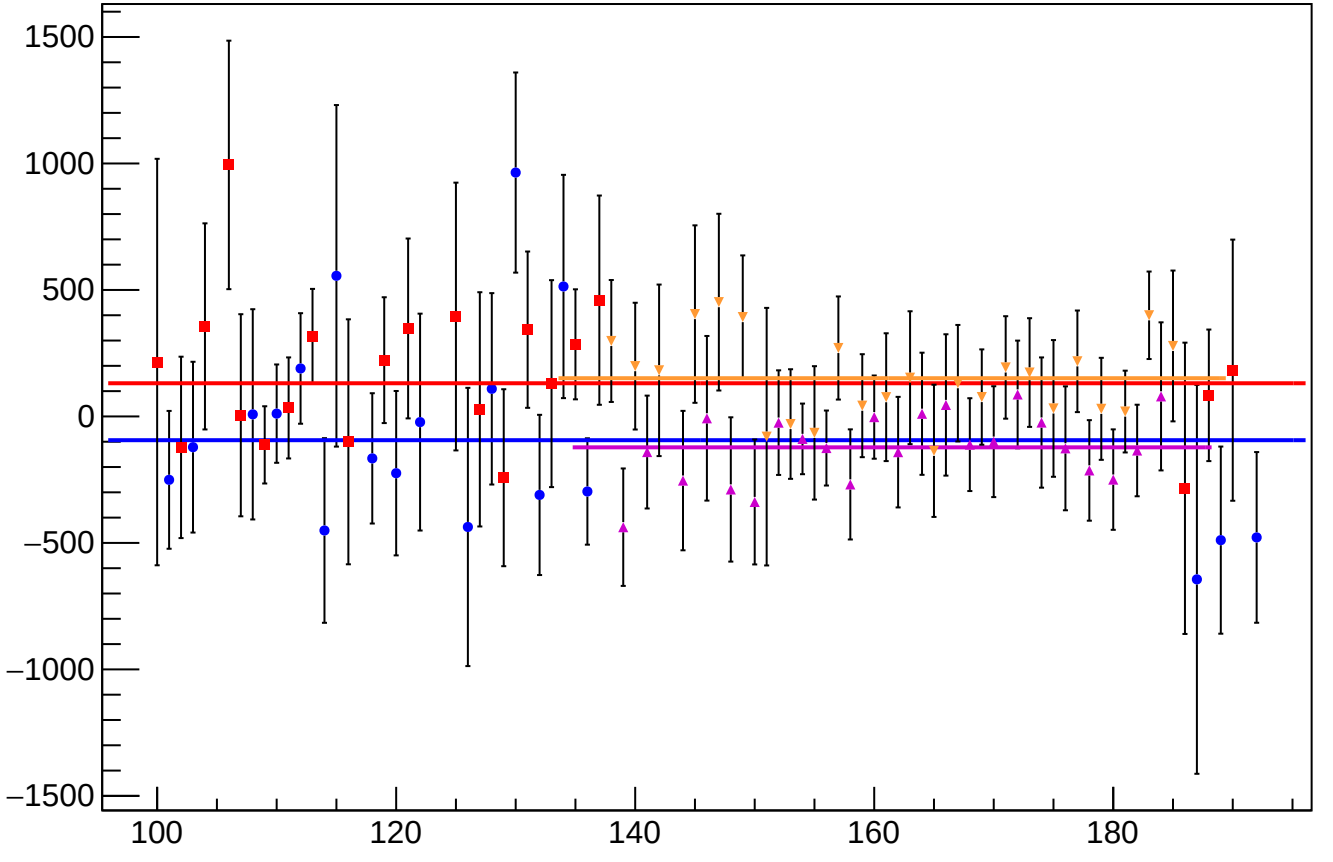
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.527+/-0.003 χ^2/NDF: 32159.3/42

All: 22.520+/-0.002 χ^2/NDF: 72861.1/86

- sign 22.513+/-0.003 χ^2/NDF: 40691.6/43

asym_bcm_dg_ds_an_us_avg_mean vs Slug



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

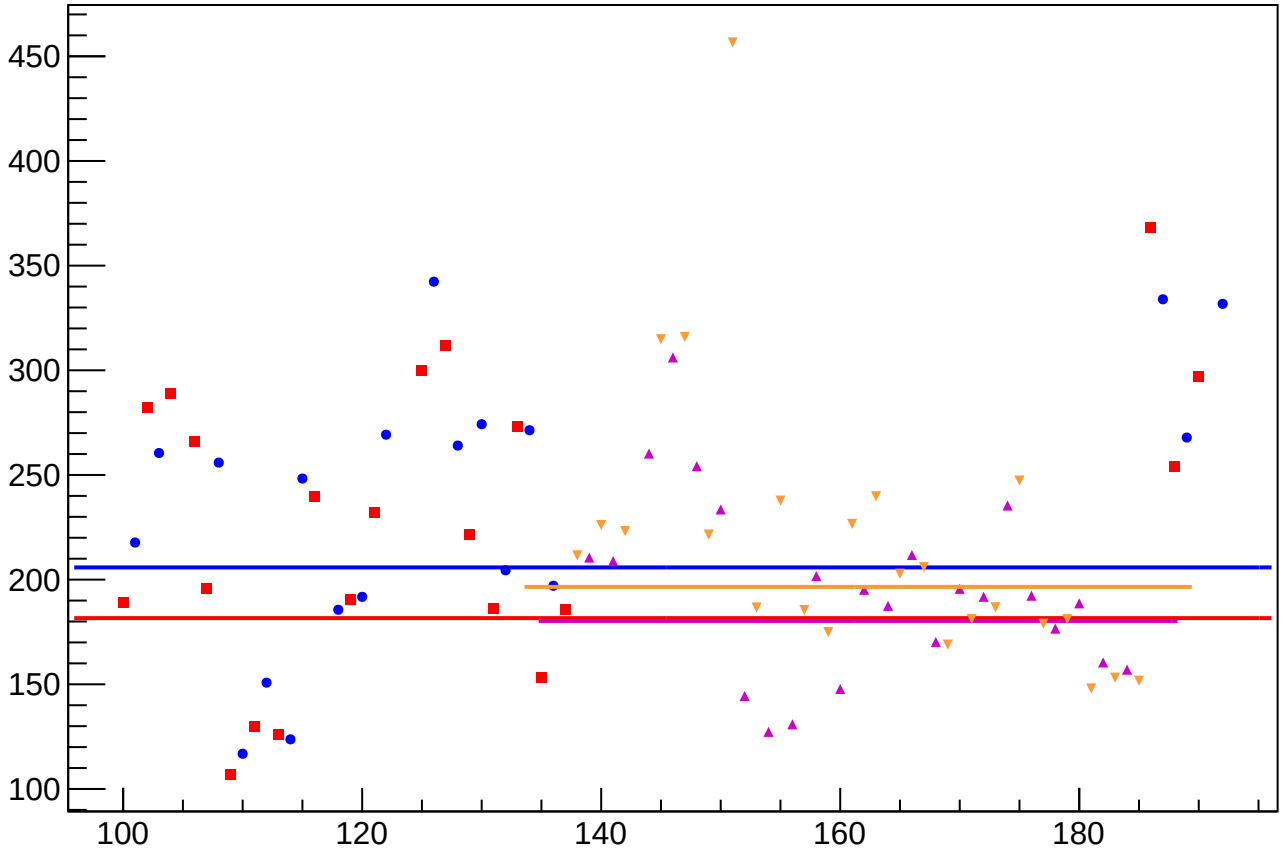
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 78.705+/-39.715 χ^2/NDF: 36.5/42

All: 12.500+/-26.893 χ^2/NDF: 71.5/86

- sign -43.565+/-36.547 χ^2/NDF: 29.9/43

asym_bcm_dg_ds_an_us_avg_rms vs Slug



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

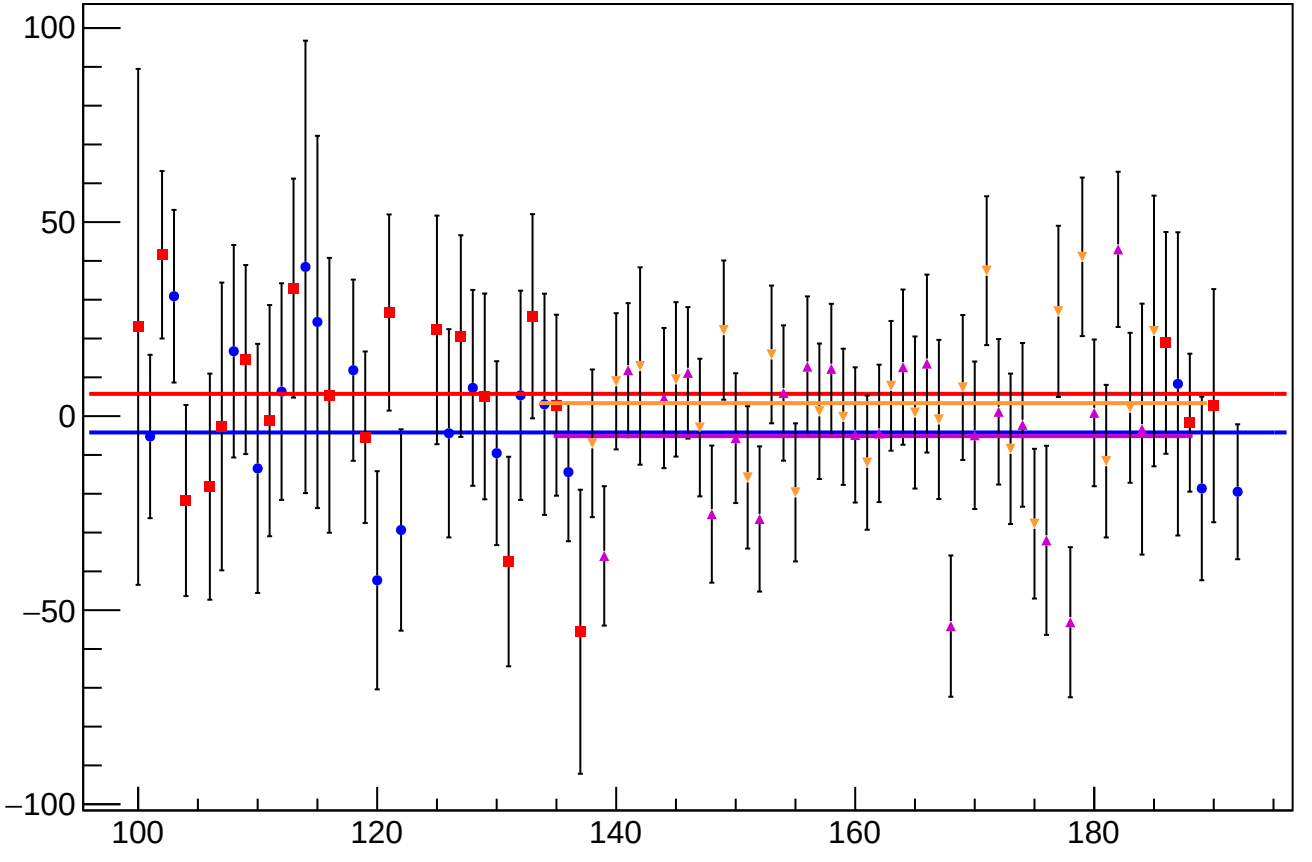
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

\+ sign 199.283+/-0.028 χ^2/NDF: 3219717.9/42

All: 189.215+/-0.019 χ^2/NDF: 7188860.9/86

\- sign 180.690+/-0.026 χ^2/NDF: 3731806.7/43

asym_bcm_dg_ds_an_us_dd_mean vs Slug



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

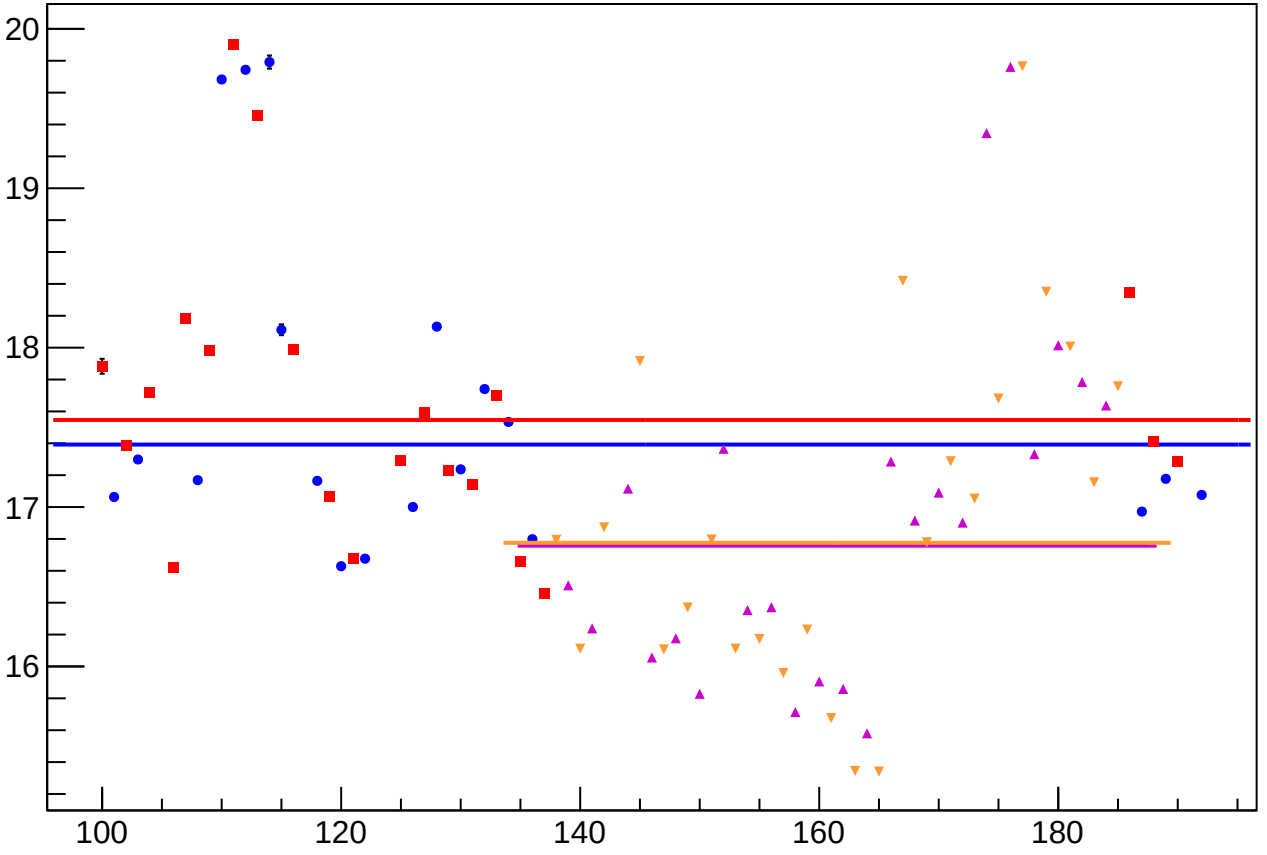
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 1.016+/-3.244 χ^2/NDF: 28.3/42

All: -0.366+/-2.298 χ^2/NDF: 77.2/86

- sign -1.758+/-3.256 χ^2/NDF: 48.5/43

asym_bcm_dg_ds_an_us_dd_rms vs Slug



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

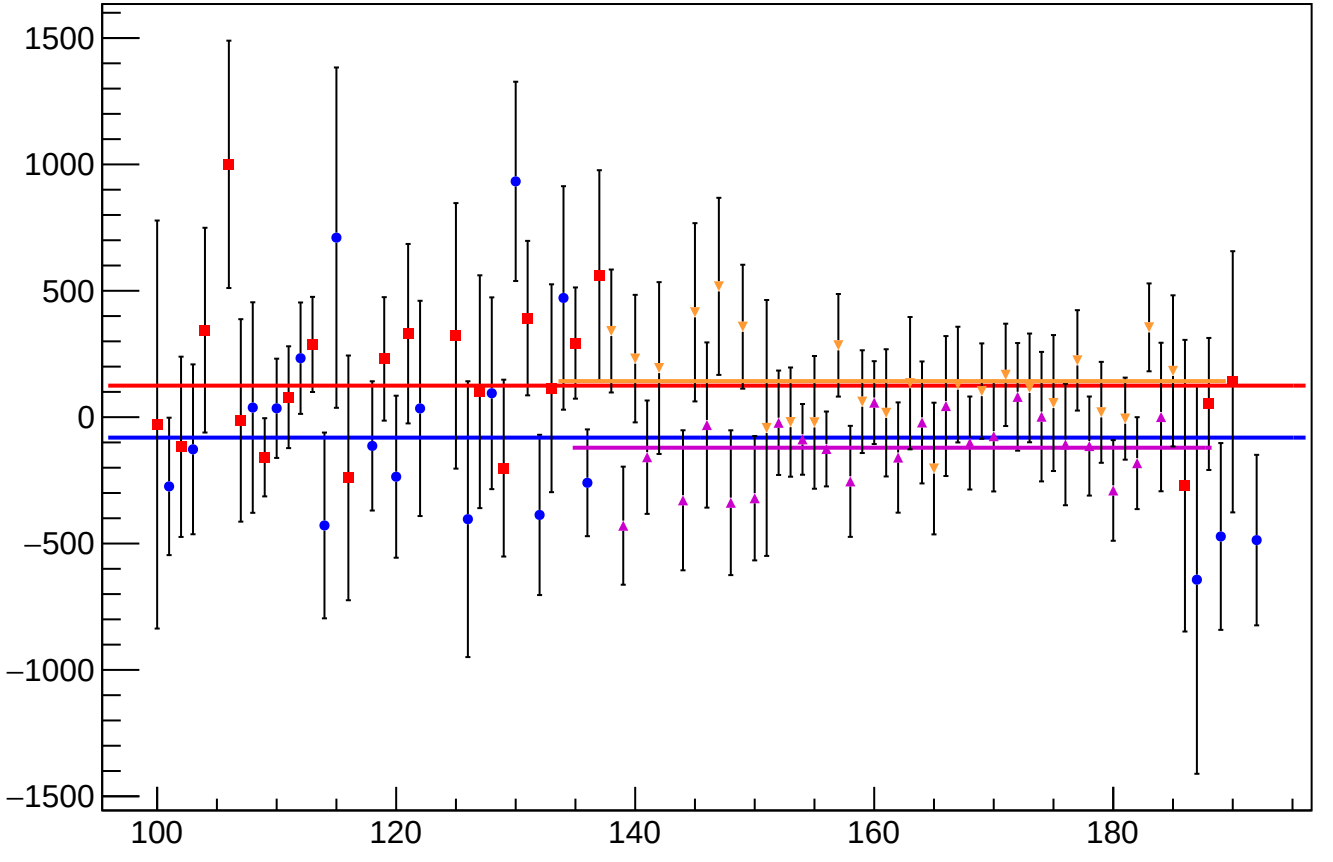
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.967+/-0.002 χ^2/NDF: 189534.4/42

All: 16.985+/-0.002 χ^2/NDF: 374427.9/86

\- sign 17.003+/-0.002 χ^2/NDF: 184765.9/43

asym_bcm_dg_us_an_ds_avg_mean vs Slug



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

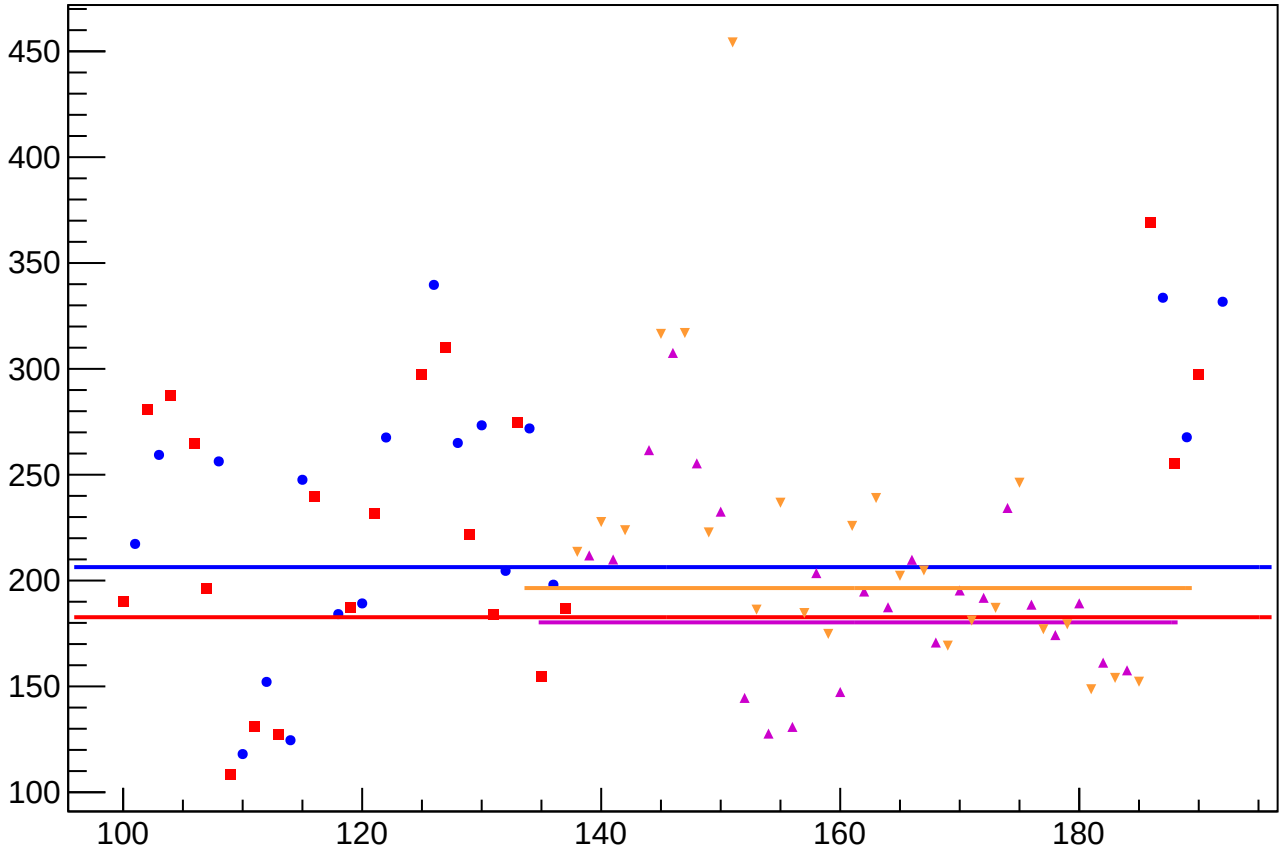
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 76.807+/-39.714 χ^2/NDF: 35.8/42

All: 10.861+/-26.907 χ^2/NDF: 72.1/86

- sign -45.103+/-36.584 χ^2/NDF: 31.2/43

asym_bcm_dg_us_an_ds_avg_rms vs Slug



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

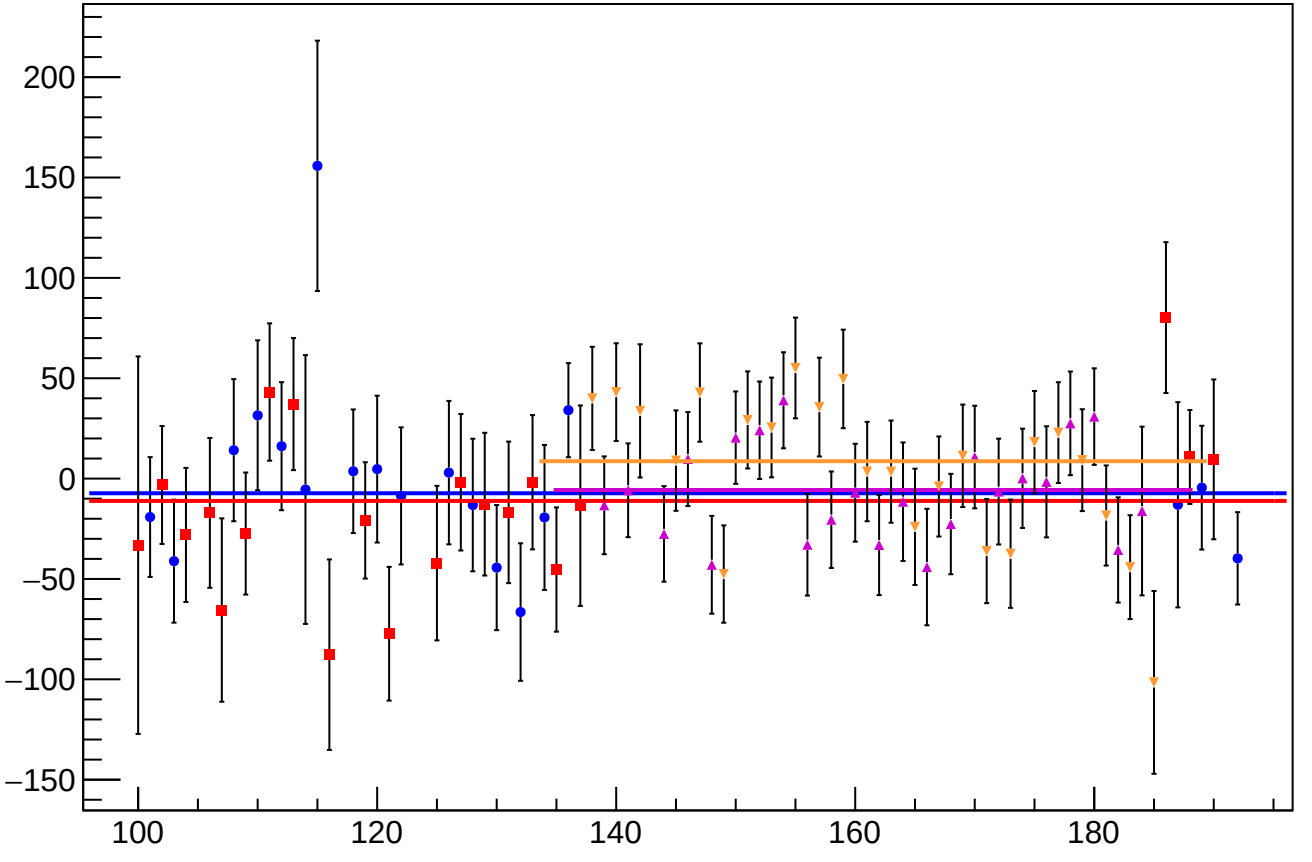
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 199.368+/-0.028 χ^2/NDF: 3183436.2/42

All: 189.433+/-0.019 χ^2/NDF: 7089255.1/86

- sign 181.001+/-0.026 χ^2/NDF: 3674395.5/43

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -7.298+/-7.599 χ^2/NDF: 20.2/18

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -11.116+/-7.581 χ^2/NDF: 22.5/20

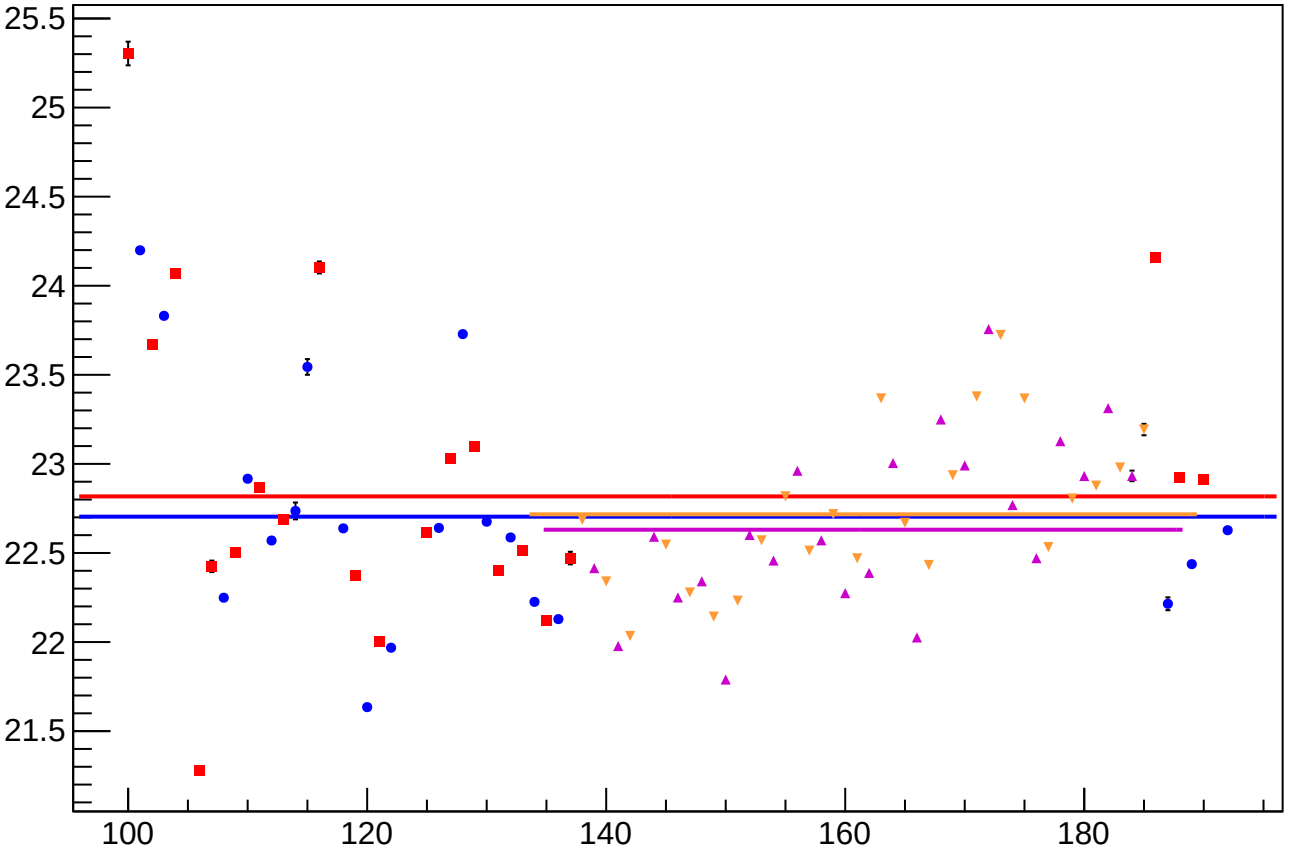
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 3.474+/-4.333 χ^2/NDF: 62.3/42

All: -1.984+/-3.065 χ^2/NDF: 109.2/86

- sign -7.450+/-4.336 χ^2/NDF: 43.7/43

asym_bcm_dg_us_an_ds_dd_rms vs Slug



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

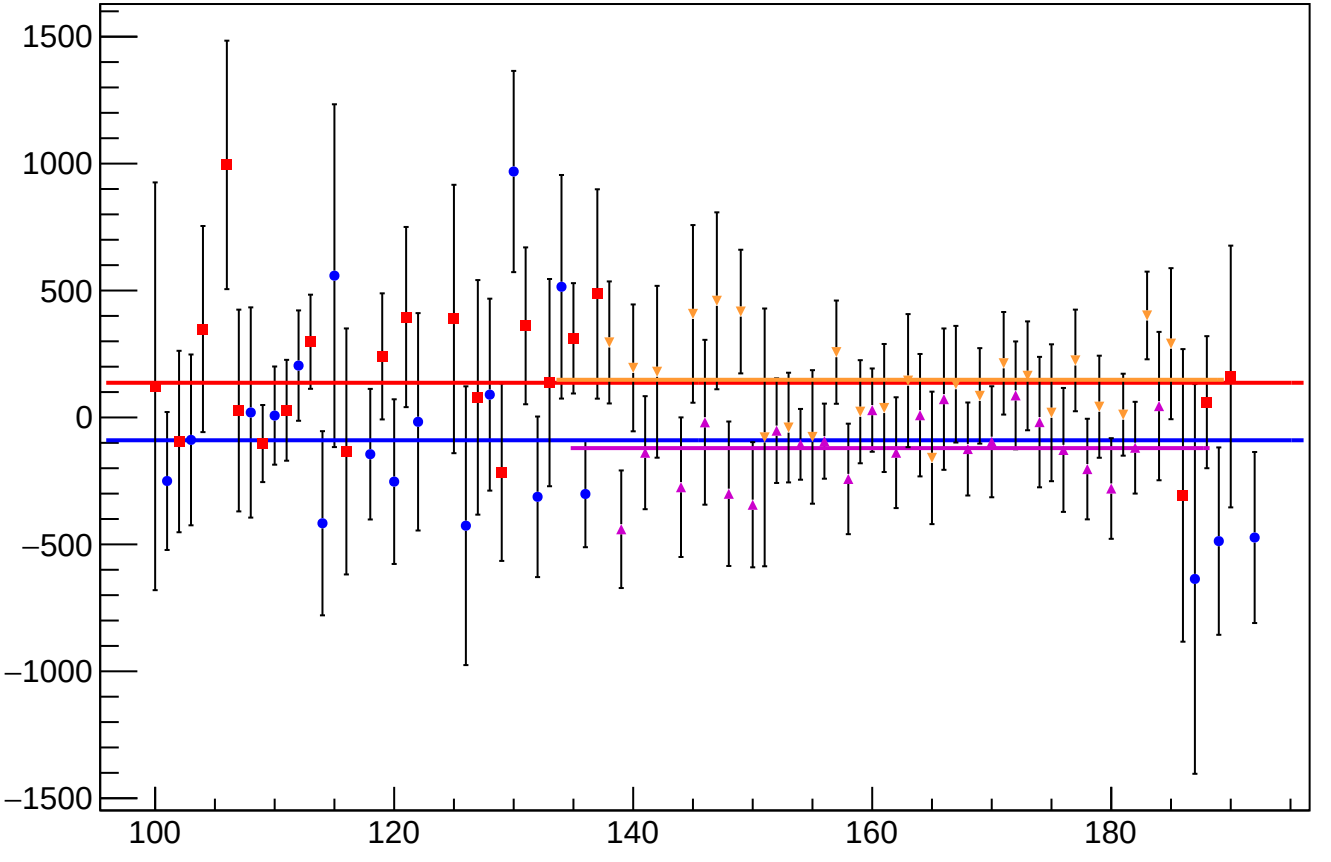
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.713+/-0.003 χ^2/NDF: 27211.9/42

All: 22.702+/-0.002 χ^2/NDF: 60643.5/86

- sign 22.692+/-0.003 χ^2/NDF: 33408.2/43

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



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

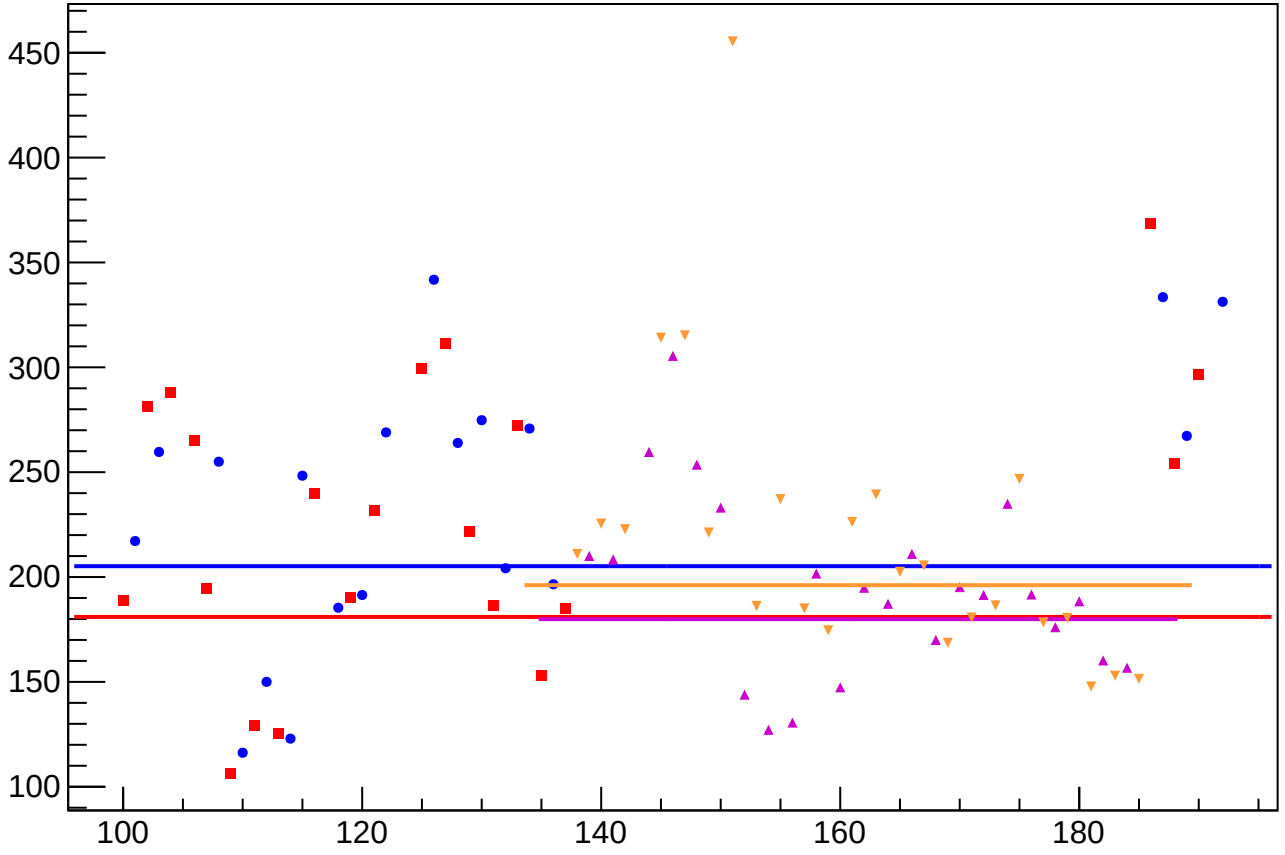
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 77.952+/-39.621 χ^2/NDF: 37.1/42

All: 13.664+/-26.831 χ^2/NDF: 72.8/86

- sign -40.789+/-36.464 χ^2/NDF: 30.8/43

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



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

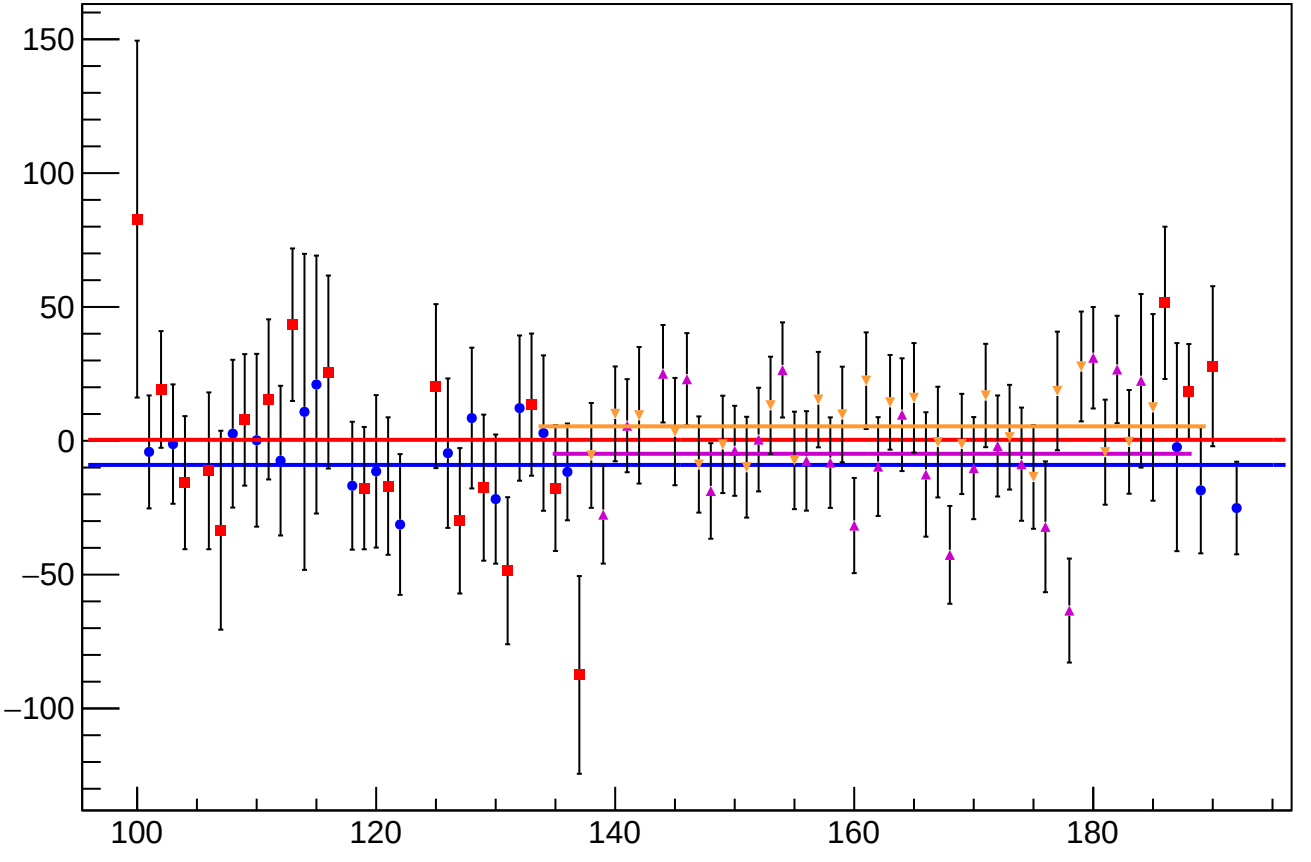
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 198.792+/-0.028 χ^2/NDF: 3230351.2/42

All: 188.752+/-0.019 χ^2/NDF: 7215943.9/86

- sign 180.249+/-0.026 χ^2/NDF: 3748408.9/43

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



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

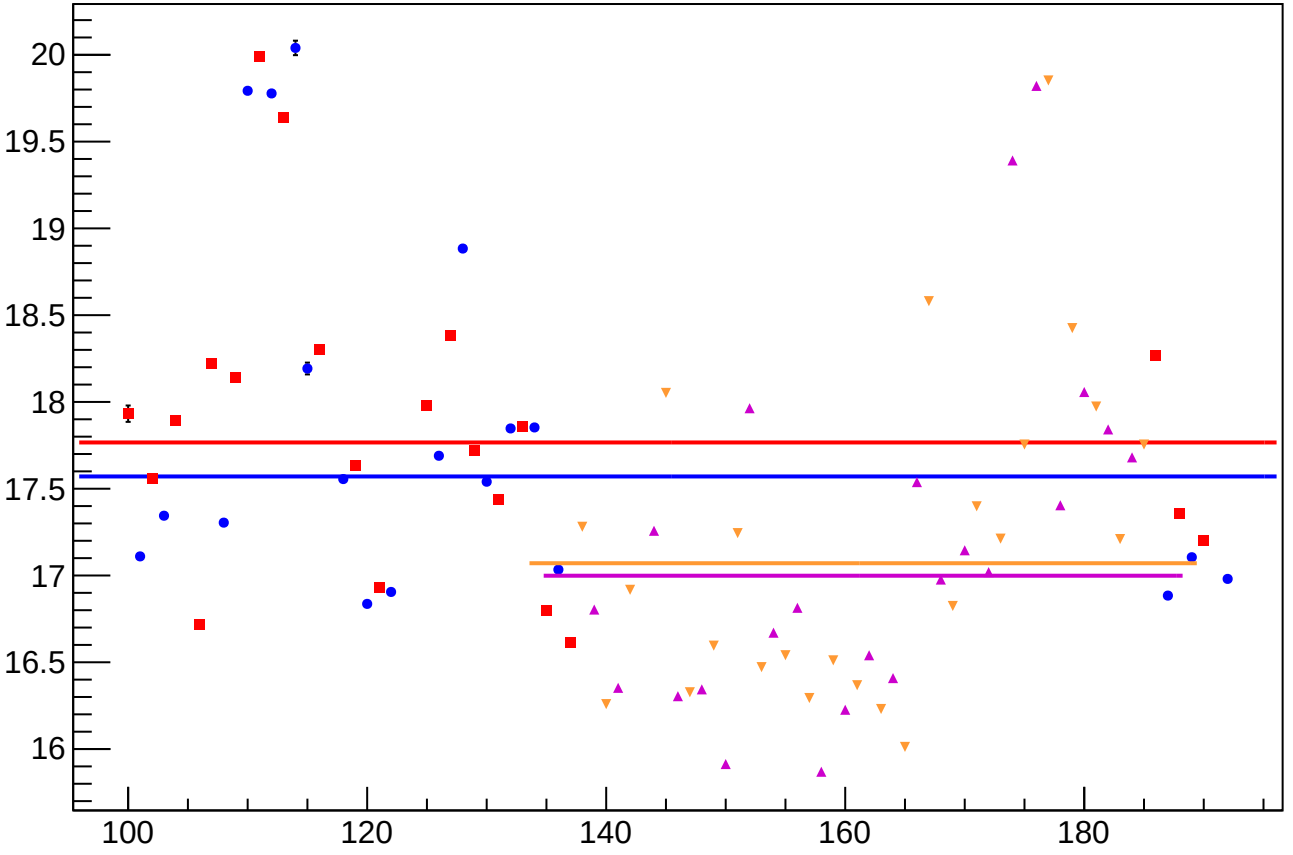
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.899+/-3.293 χ^2/NDF: 16.3/42

All: -1.160+/-2.332 χ^2/NDF: 77.9/86

- sign -3.229+/-3.301 χ^2/NDF: 60.8/43

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



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

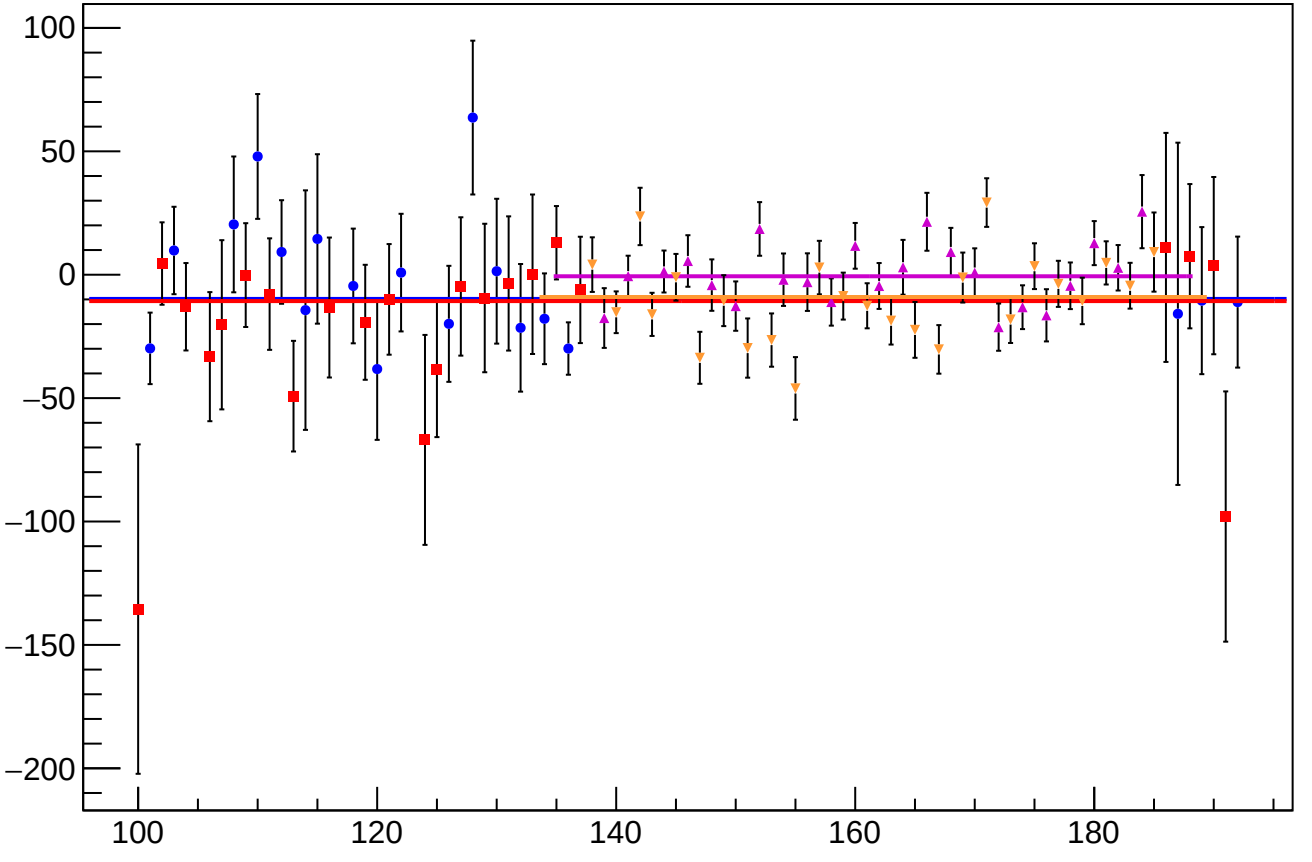
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.227+/-0.002 χ^2/NDF: 146863.1/42

All: 17.233+/-0.002 χ^2/NDF: 309168.8/86

\- sign 17.238+/-0.002 χ^2/NDF: 162293.8/43

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.807+/-5.045 χ^2/NDF: 22.0/18

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -10.685+/-5.224 χ^2/NDF: 17.8/22

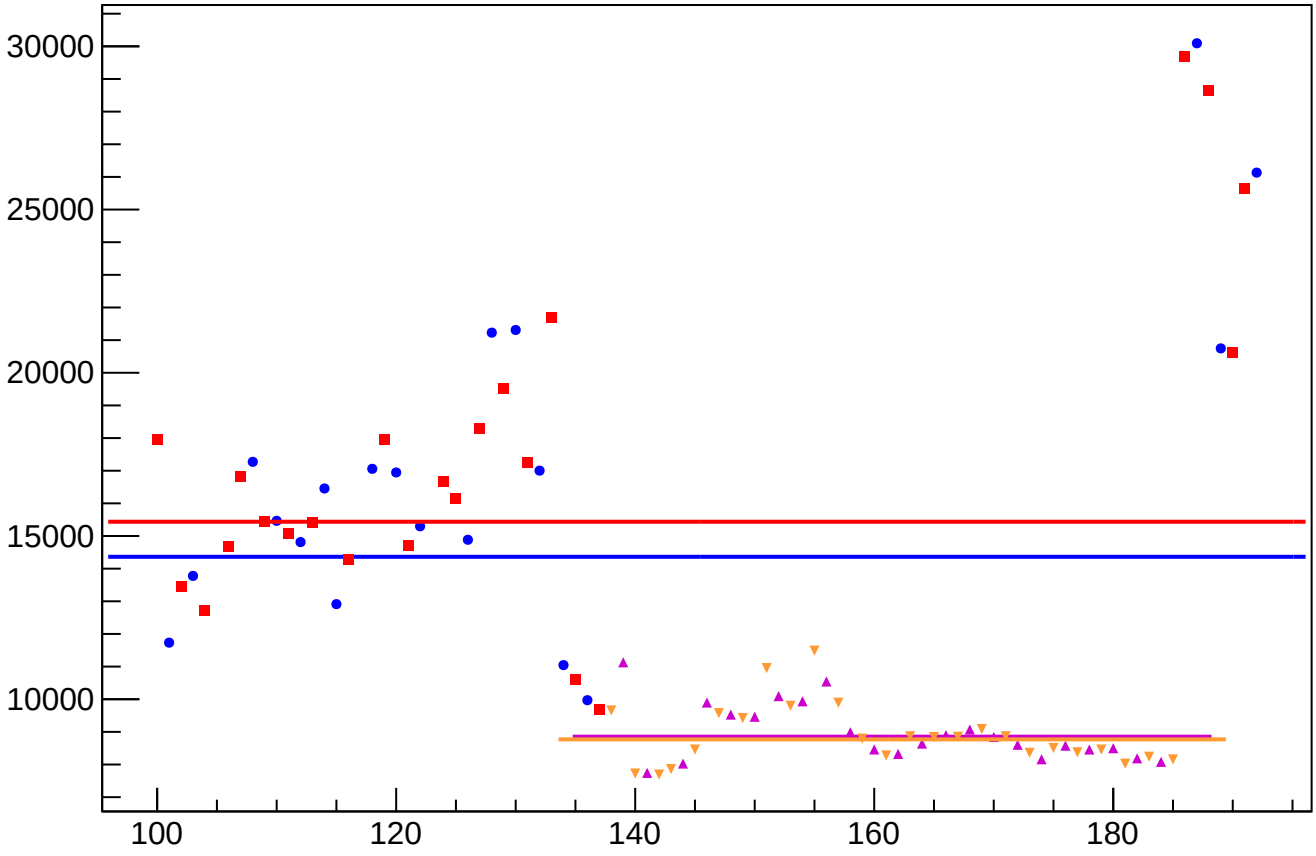
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.134+/-1.864 χ^2/NDF: 84.0/43

All: -5.695+/-1.342 χ^2/NDF: 141.6/89

- sign -2.003+/-1.932 χ^2/NDF: 50.5/45

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 14363.452+/-3.567 χ^2/NDF: 1375402.2/18

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 15437.206+/-3.694 χ^2/NDF: 1327482.4/22

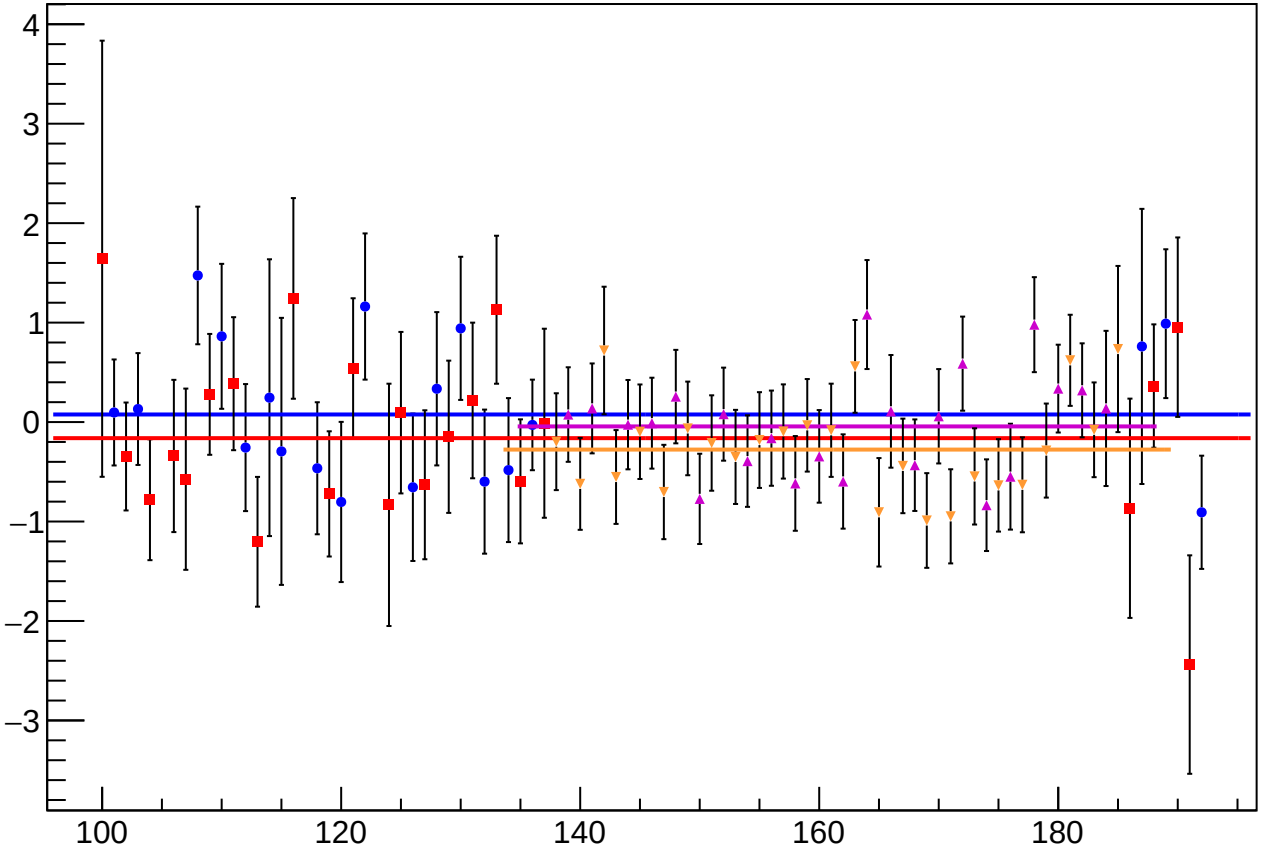
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9534.256+/-1.318 χ^2/NDF: 3843262.2/43

All: 9639.812+/-0.949 χ^2/NDF: 8226265.8/89

- sign 9753.150+/-1.366 χ^2/NDF: 4369709.1/45

diff_bpm_4aX_4acX_dd_mean vs Slug



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

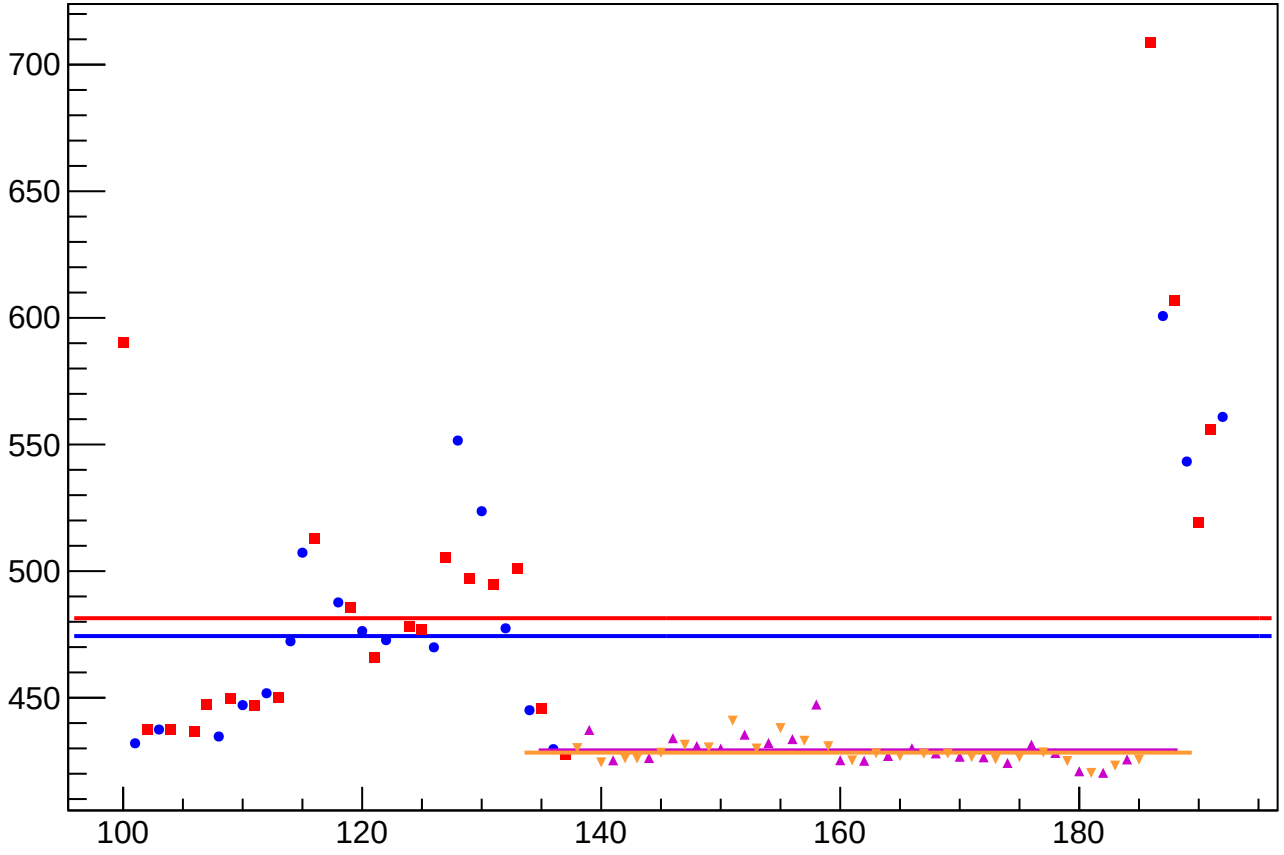
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.181+/-0.083 χ^2/NDF: 43.0/43

All: -0.130+/-0.059 χ^2/NDF: 89.1/89

- sign -0.078+/-0.085 χ^2/NDF: 45.3/45

diff_bpm_4aX_4acX_dd_rms vs Slug



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

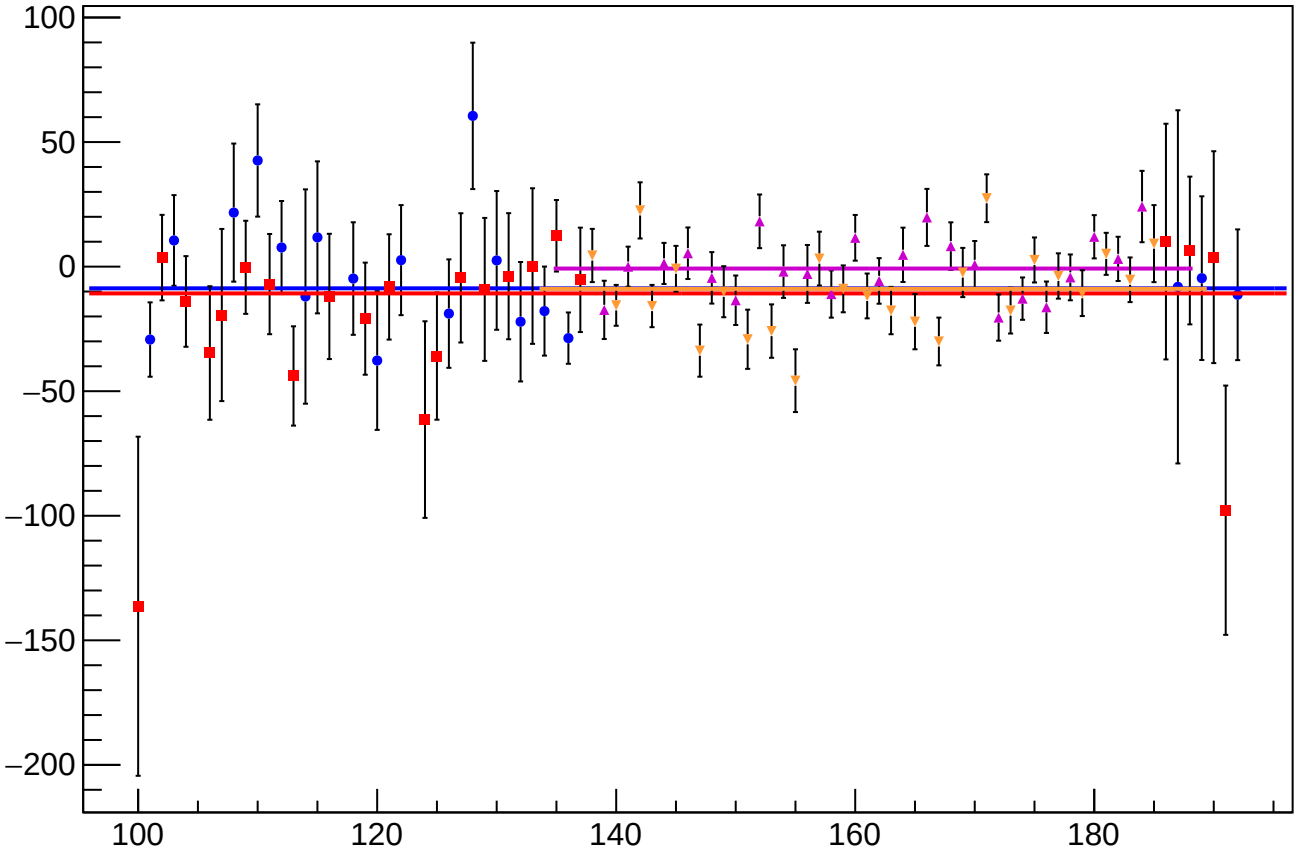
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 440.825+/-0.059 χ^2/NDF: 292440.5/43

All: 442.518+/-0.042 χ^2/NDF: 711121.4/89

- sign 444.272+/-0.060 χ^2/NDF: 416989.3/45

diff_bpm_4aX_4eX_avg_mean vs Slug



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

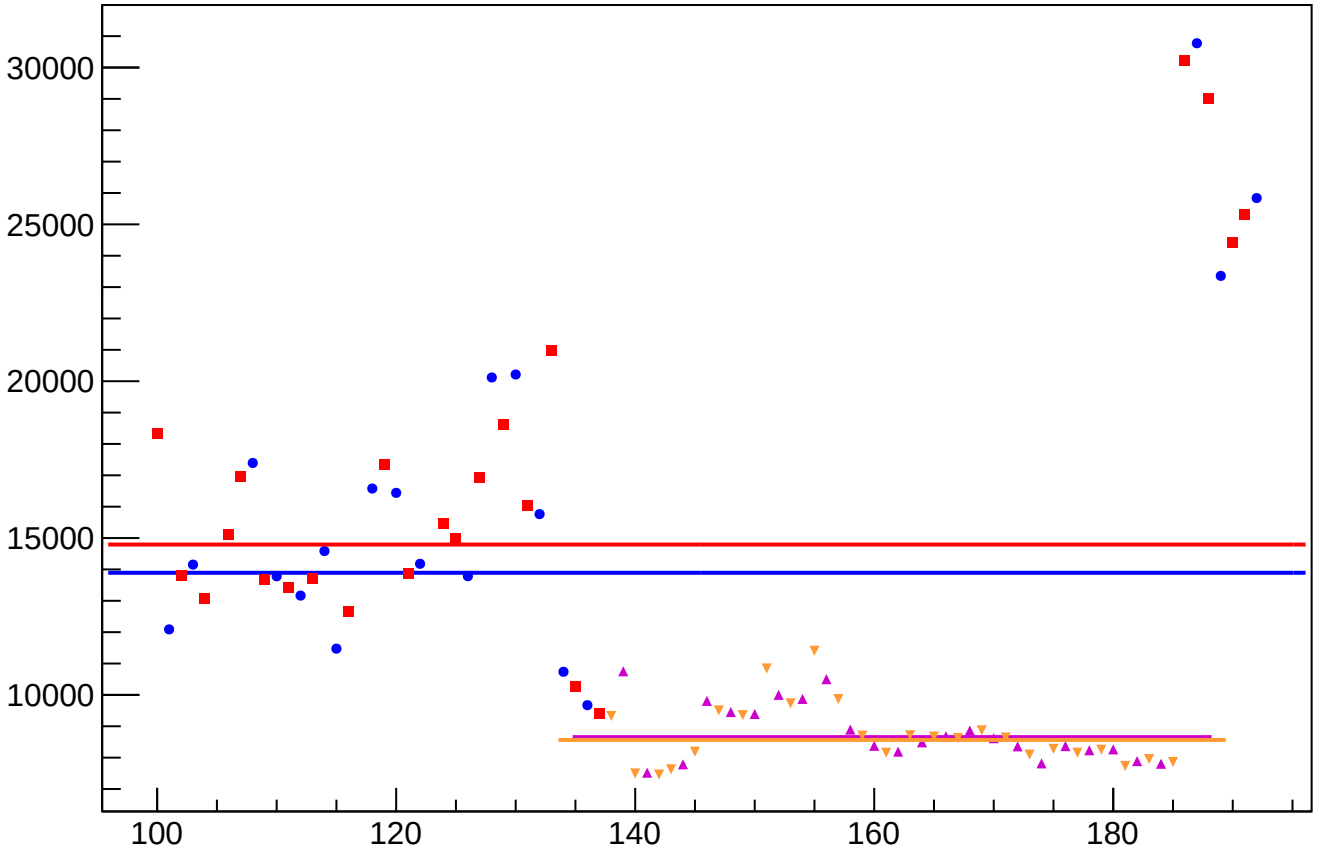
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -8.876+/-1.819 χ^2/NDF: 83.9/43

All: -5.646+/-1.309 χ^2/NDF: 140.6/89

- sign -2.178+/-1.885 χ^2/NDF: 50.2/45

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13893.328+/-3.450 χ^2/NDF: 1420531.7/18

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 14793.516+/-3.552 χ^2/NDF: 1432479.3/22

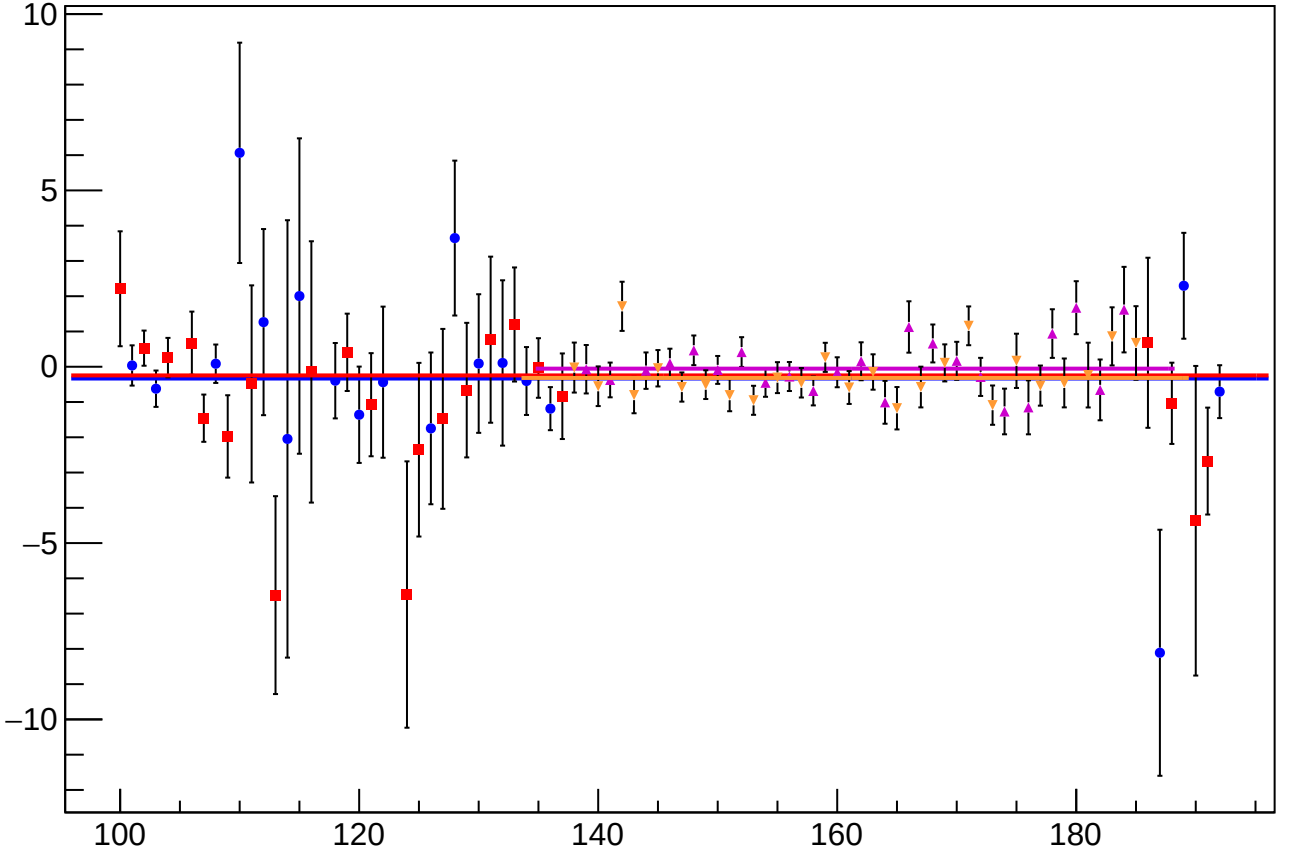
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9305.500+/-1.287 χ^2/NDF: 3875406.0/43

All: 9408.552+/-0.926 χ^2/NDF: 8233851.4/89

- sign 9519.194+/-1.333 χ^2/NDF: 4345140.1/45

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.334+/-0.229 χ^2/NDF: 20.9/18

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

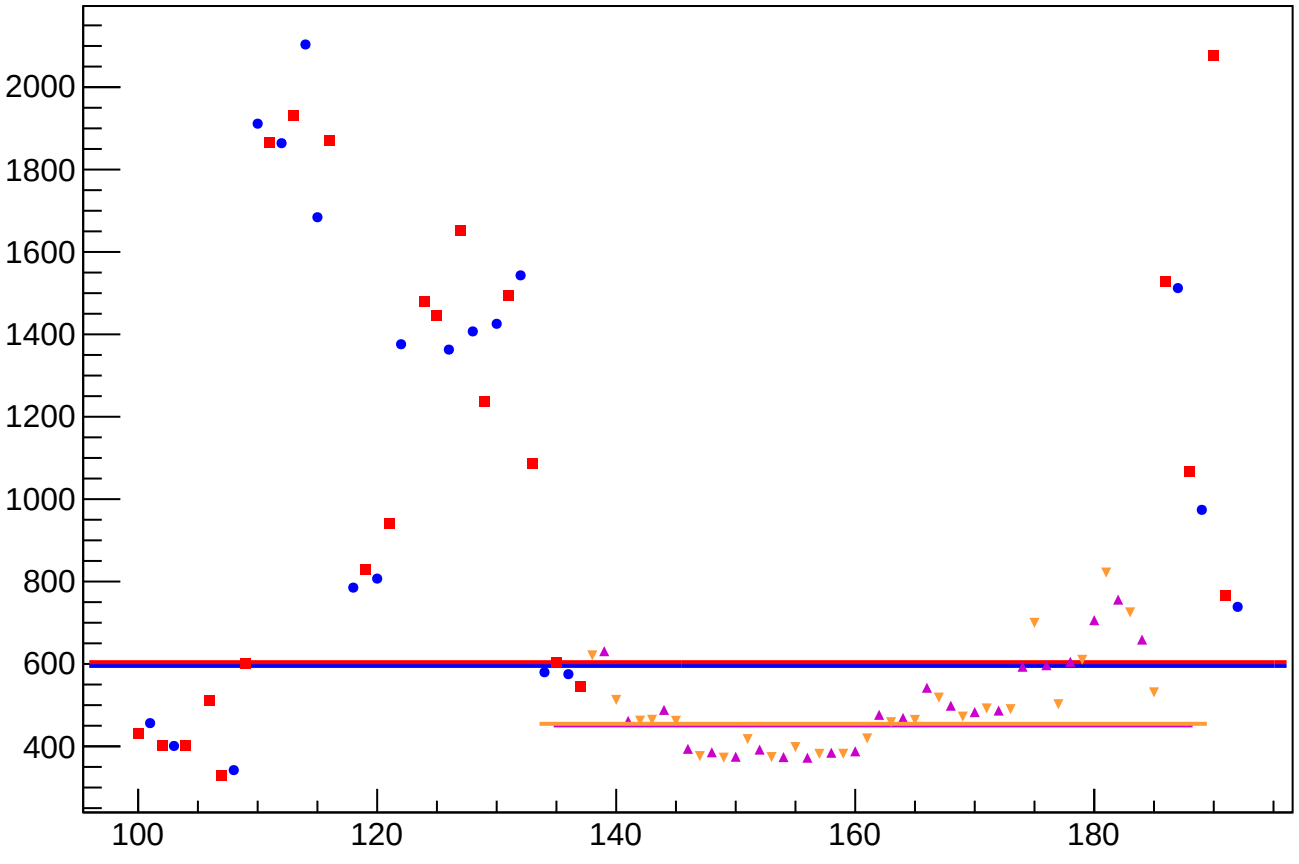
Right Out: -0.246+/-0.235 χ^2/NDF: 26.7/22

Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.320+/-0.096 χ^2/NDF: 53.1/43

All: -0.207+/-0.069 χ^2/NDF: 113.1/89

- sign -0.088+/-0.098 χ^2/NDF: 57.0/45



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

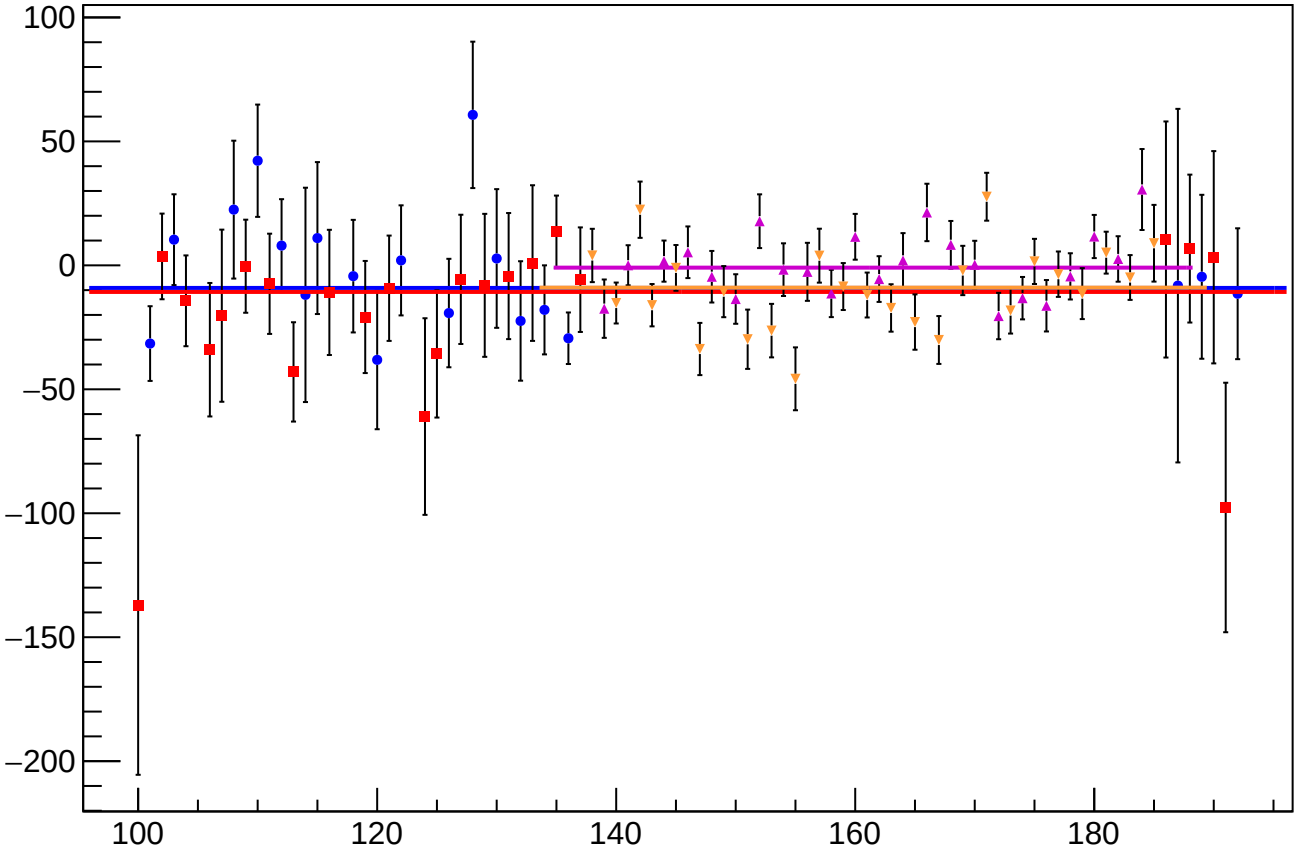
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 479.500+/-0.068 χ^2/NDF: 5890852.1/43

All: 478.599+/-0.049 χ^2/NDF: 12555356.9/89

- sign 477.659+/-0.069 χ^2/NDF: 6664145.7/45

diff_bpm_4aX_4ecX_avg_mean vs Slug



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

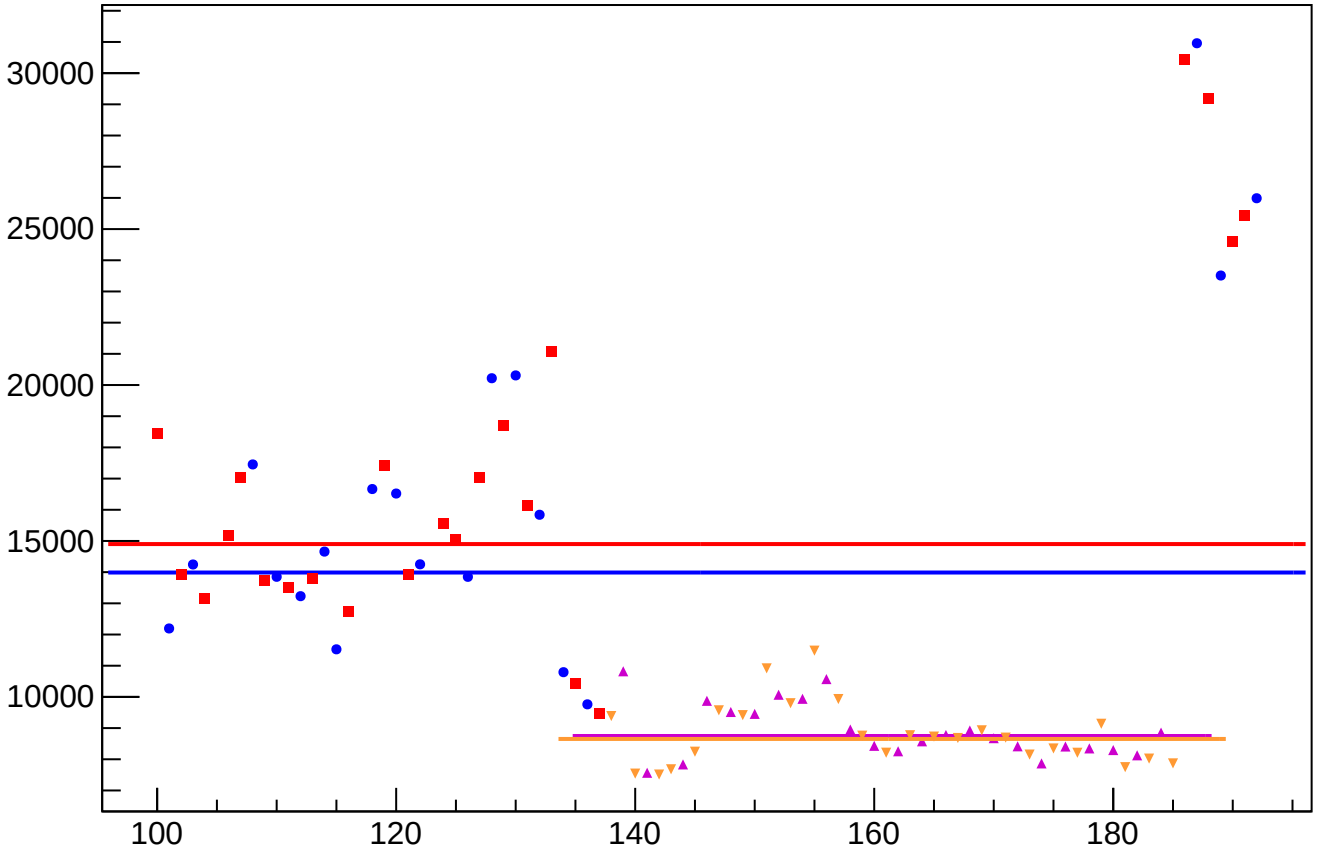
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -9.015+/-1.838 χ^2/NDF: 84.0/43

All: -5.784+/-1.322 χ^2/NDF: 140.9/89

- sign -2.315+/-1.904 χ^2/NDF: 50.4/45

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13988.116+/-3.473 χ^2/NDF: 1410588.1/18

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 14900.460+/-3.576 χ^2/NDF: 1418063.1/22

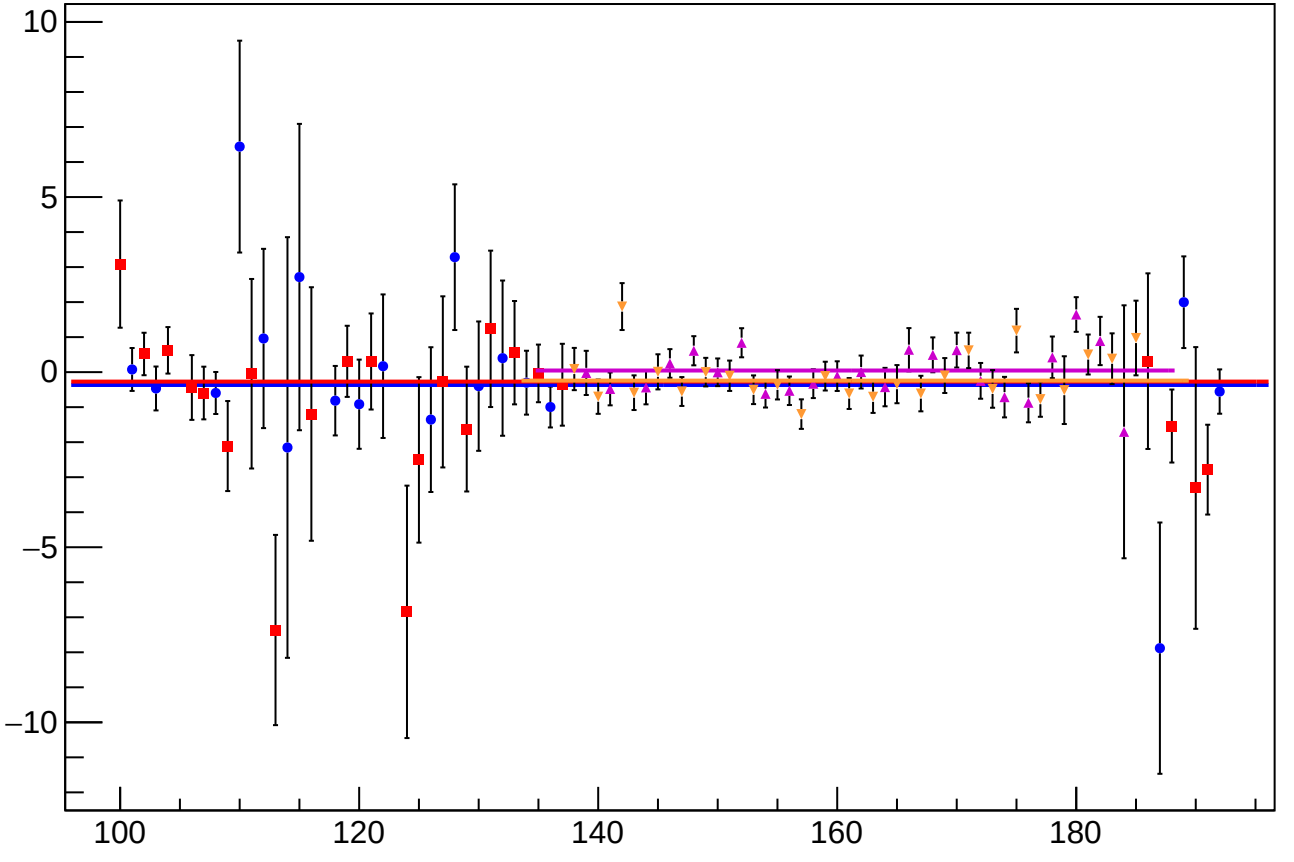
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 9399.127+/-1.300 χ^2/NDF: 3846616.1/43

All: 9505.041+/-0.935 χ^2/NDF: 8151586.9/89

- sign 9618.761+/-1.347 χ^2/NDF: 4291195.8/45

diff_bpm_4aX_4ecX_dd_mean vs Slug



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

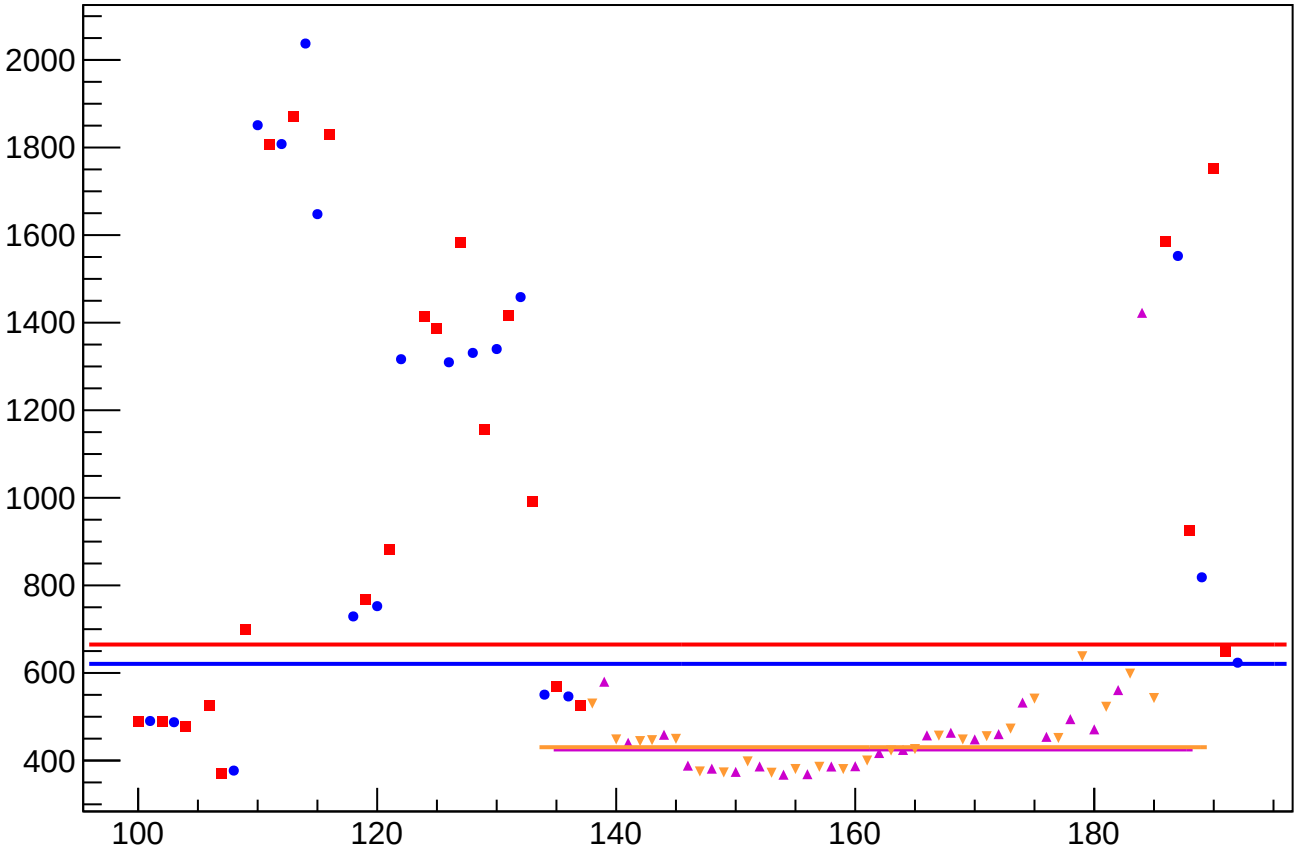
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.262+/-0.092 χ^2/NDF: 53.9/43

All: -0.133+/-0.066 χ^2/NDF: 122.6/89

- sign 0.002+/-0.094 χ^2/NDF: 64.6/45

diff_bpm_4aX_4ecX_dd_rms vs Slug



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

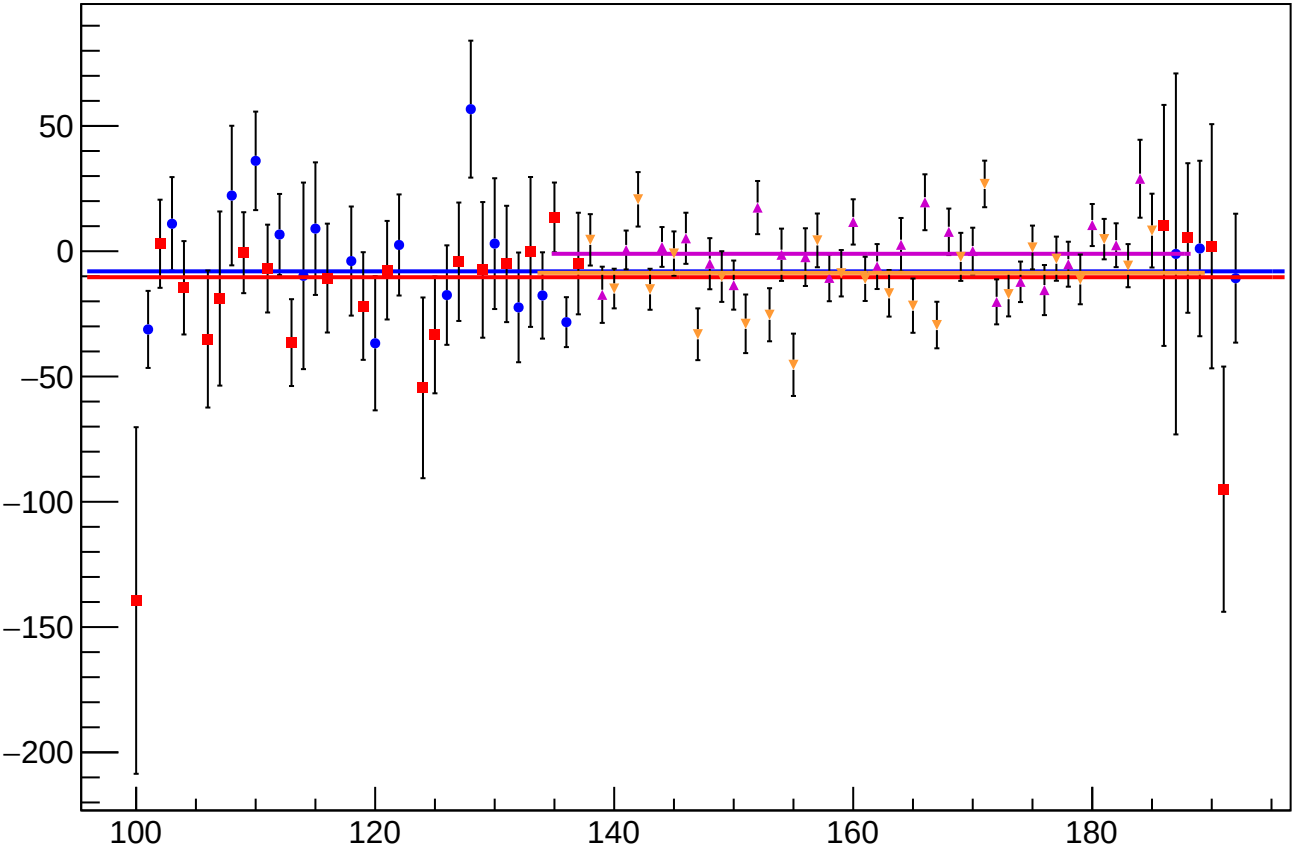
Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 460.191+/-0.065 χ^2/NDF: 4814140.0/43

All: 459.778+/-0.047 χ^2/NDF: 10469127.5/89

- sign 459.345+/-0.067 χ^2/NDF: 5654904.9/45

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -8.026+/-4.647 χ^2/NDF: 23.2/18

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: -10.373+/-4.741 χ^2/NDF: 17.2/22

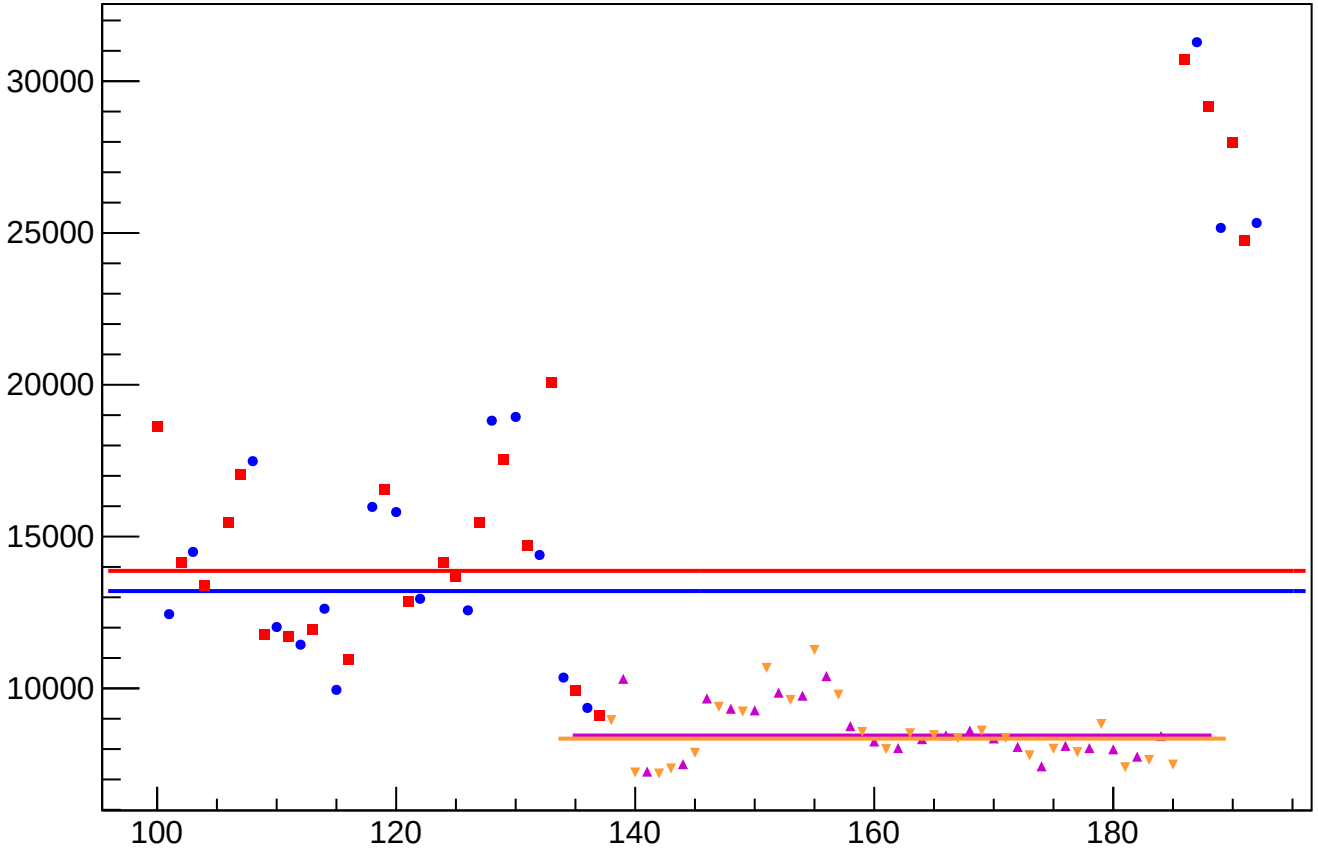
Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -8.536+/-1.769 χ^2/NDF: 84.8/43

All: -5.587+/-1.273 χ^2/NDF: 140.9/89

- sign -2.423+/-1.832 χ^2/NDF: 50.3/45

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 13204.844+/-3.286 χ^2/NDF: 1520795.4/18

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 13871.016+/-3.352 χ^2/NDF: 1639520.1/22

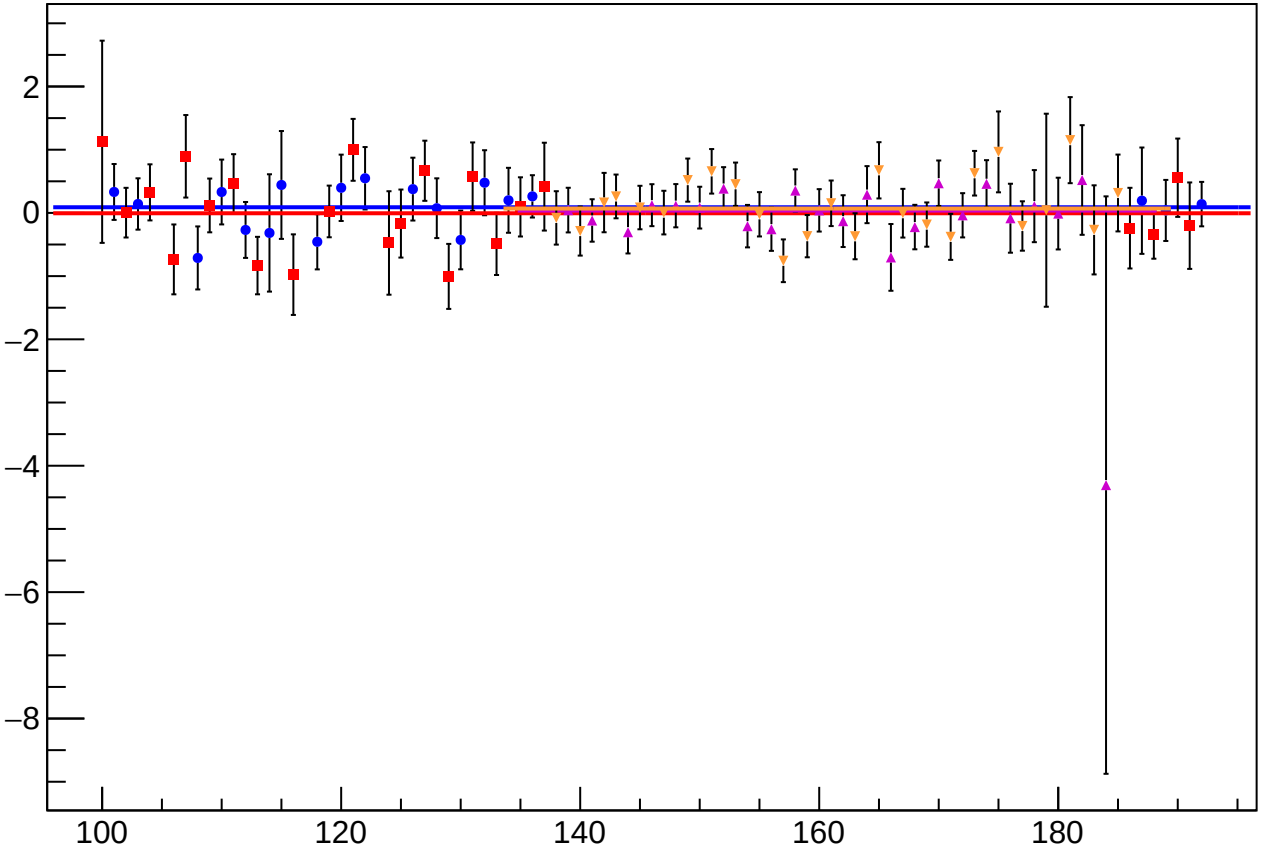
Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 9048.605+/-1.251 χ^2/NDF: 3860816.8/43

All: 9149.155+/-0.900 χ^2/NDF: 8123060.5/89

- sign 9257.021+/-1.296 χ^2/NDF: 4248850.6/45

diff_bpm_4eX_4ecX_dd_mean vs Slug



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

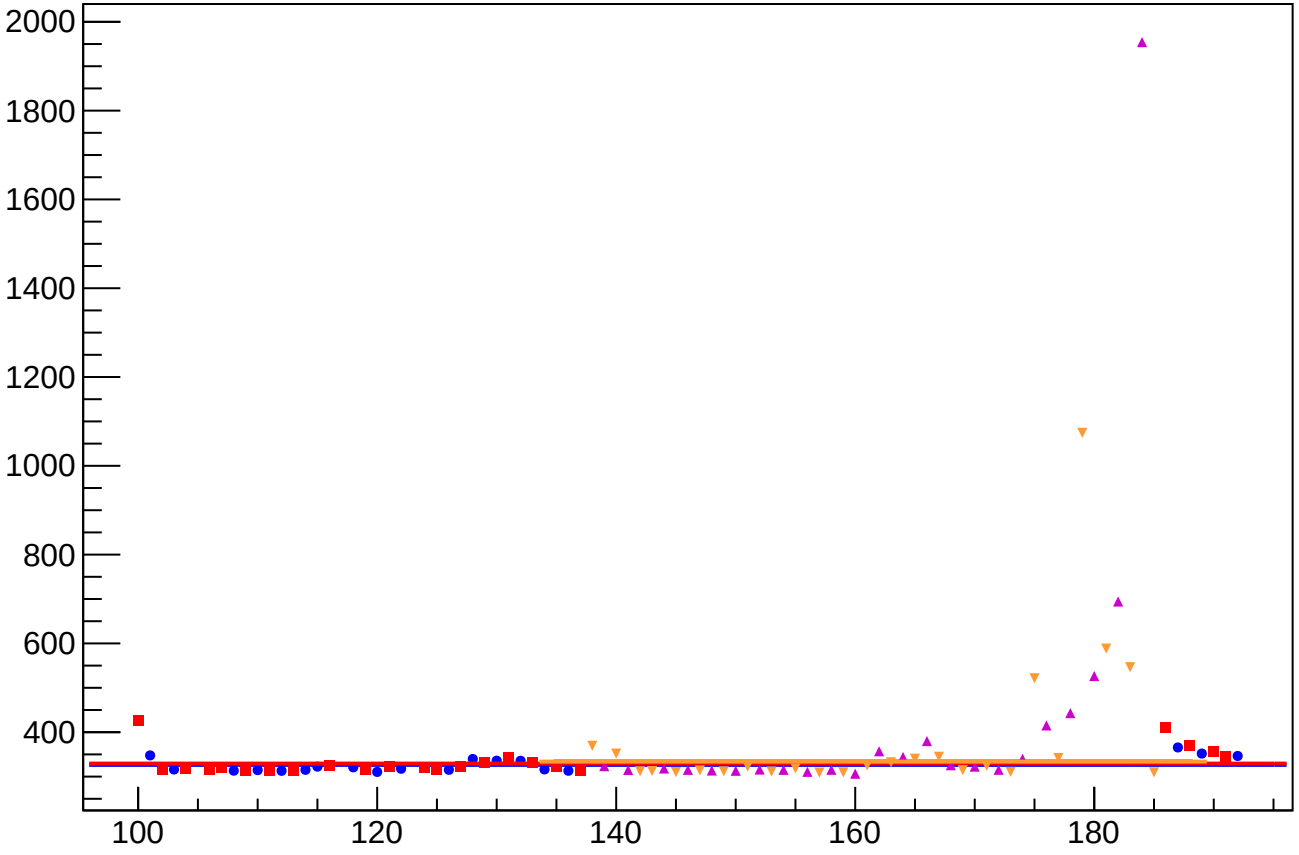
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.076+/-0.064 χ^2/NDF: 37.6/43

All: 0.049+/-0.046 χ^2/NDF: 76.0/89

- sign 0.022+/-0.065 χ^2/NDF: 38.0/45

diff_bpm_4eX_4ecX_dd_rms vs Slug



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

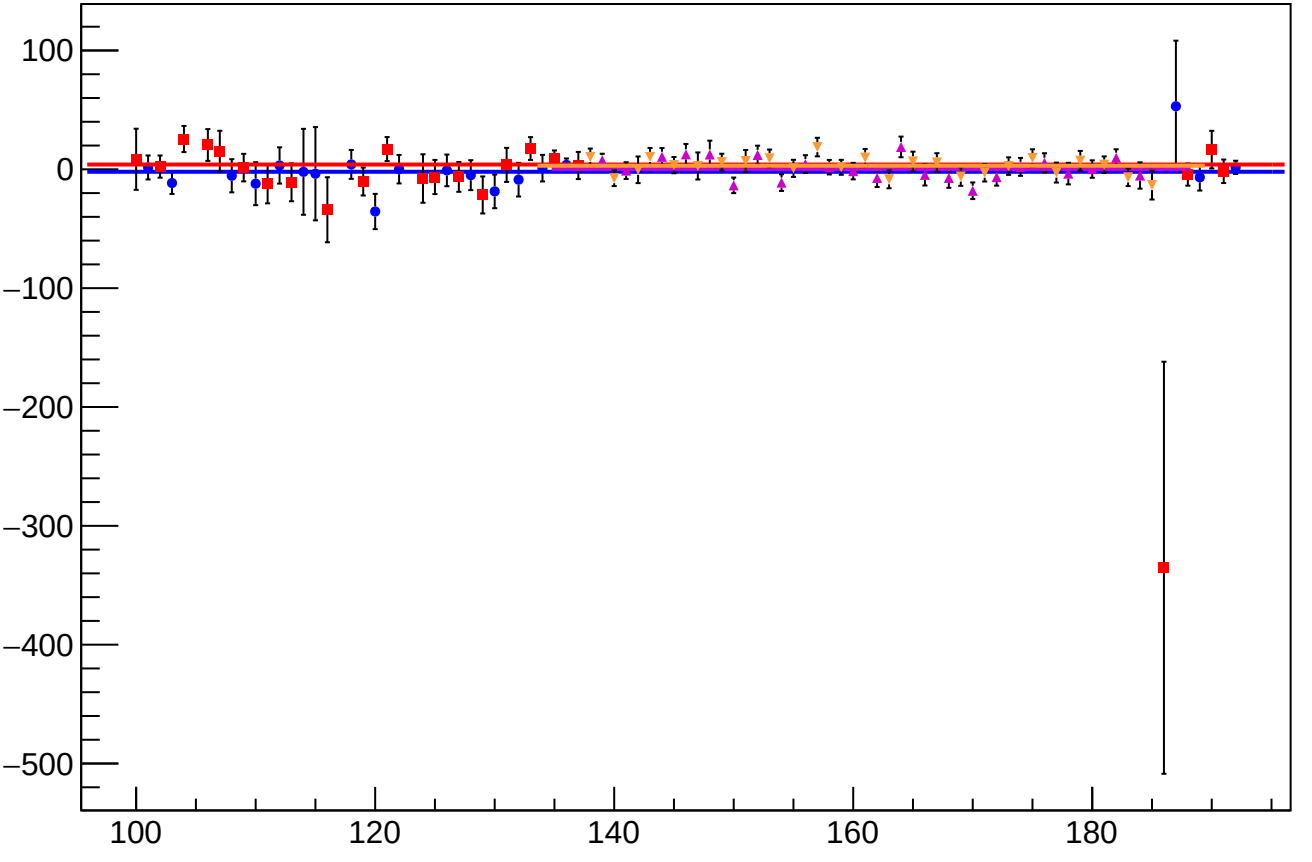
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 331.274+/-0.045 χ^2/NDF: 1260820.1/43

All: 331.775+/-0.032 χ^2/NDF: 2401672.2/89

- sign 332.283+/-0.046 χ^2/NDF: 1140606.8/45

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.061+/-2.509 χ^2/NDF: 11.6/18

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

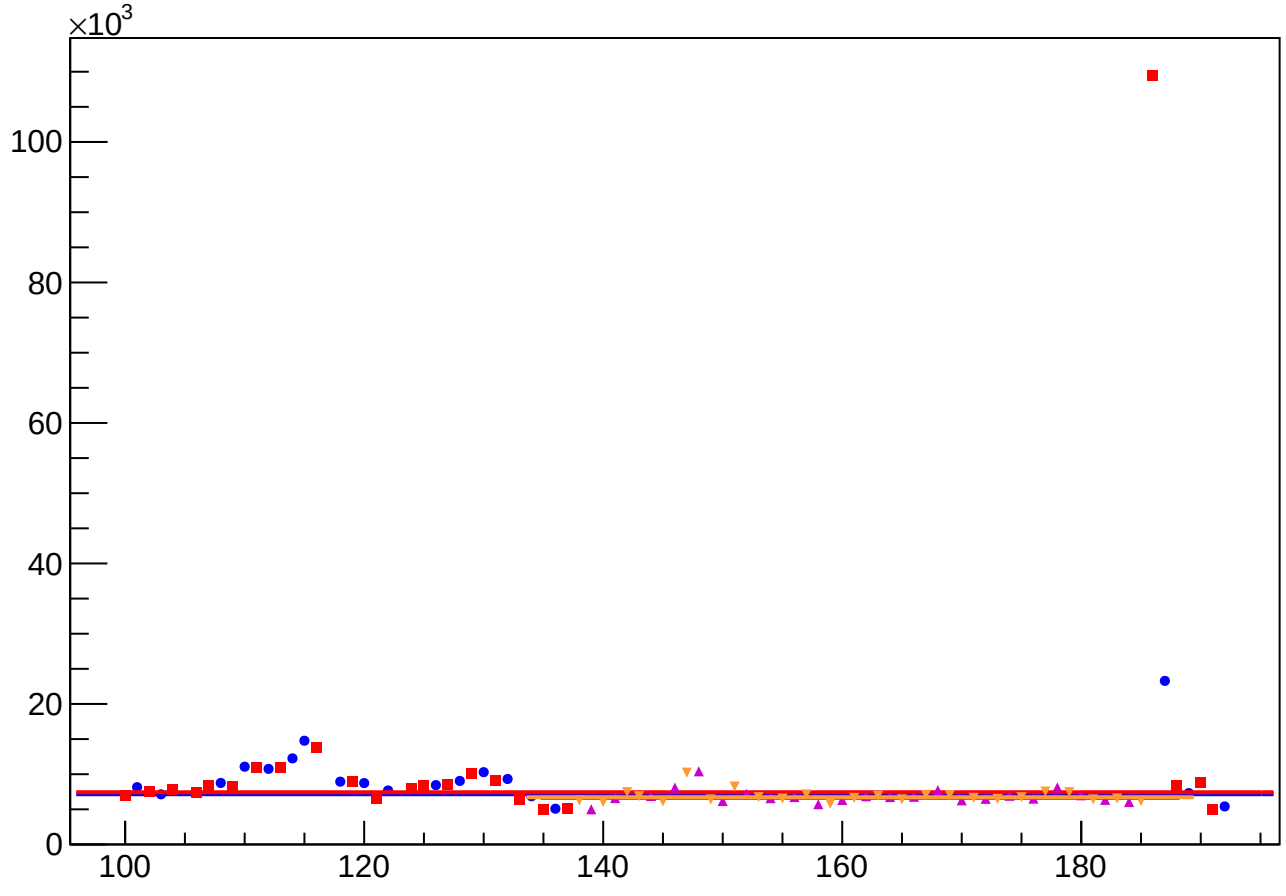
Right Out: 4.032+/-2.572 χ^2/NDF: 25.1/22

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

\+ sign 1.630+/-1.313 χ^2/NDF: 34.9/43

All: 1.492+/-0.938 χ^2/NDF: 95.3/89

\- sign 1.349+/-1.339 χ^2/NDF: 60.4/45



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

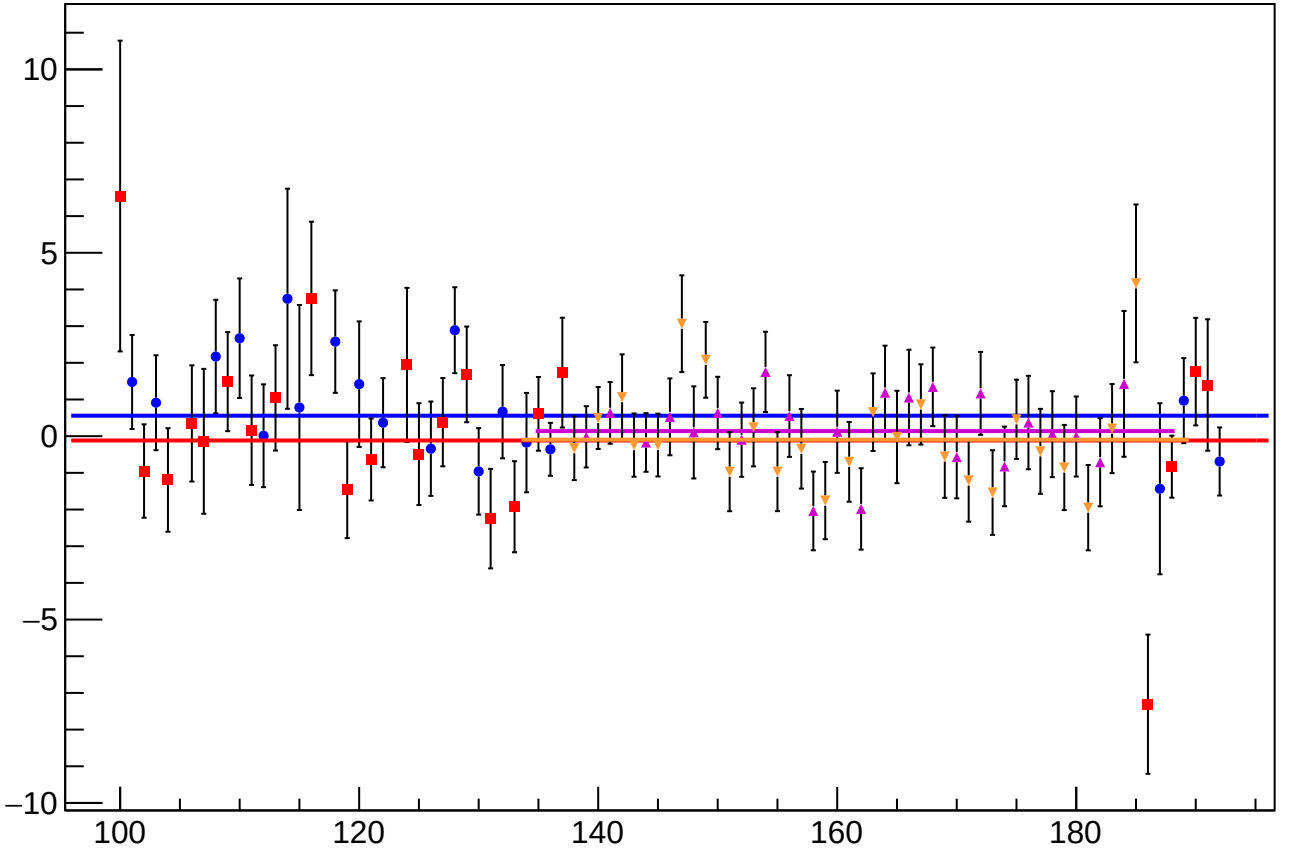
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6840.480+/-0.929 χ^2/NDF: 1752151.4/43

All: 6844.609+/-0.663 χ^2/NDF: 4201879.9/89

- sign 6848.902+/-0.947 χ^2/NDF: 2449688.2/45

diff_bpm_4aY_4acY_dd_mean vs Slug



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

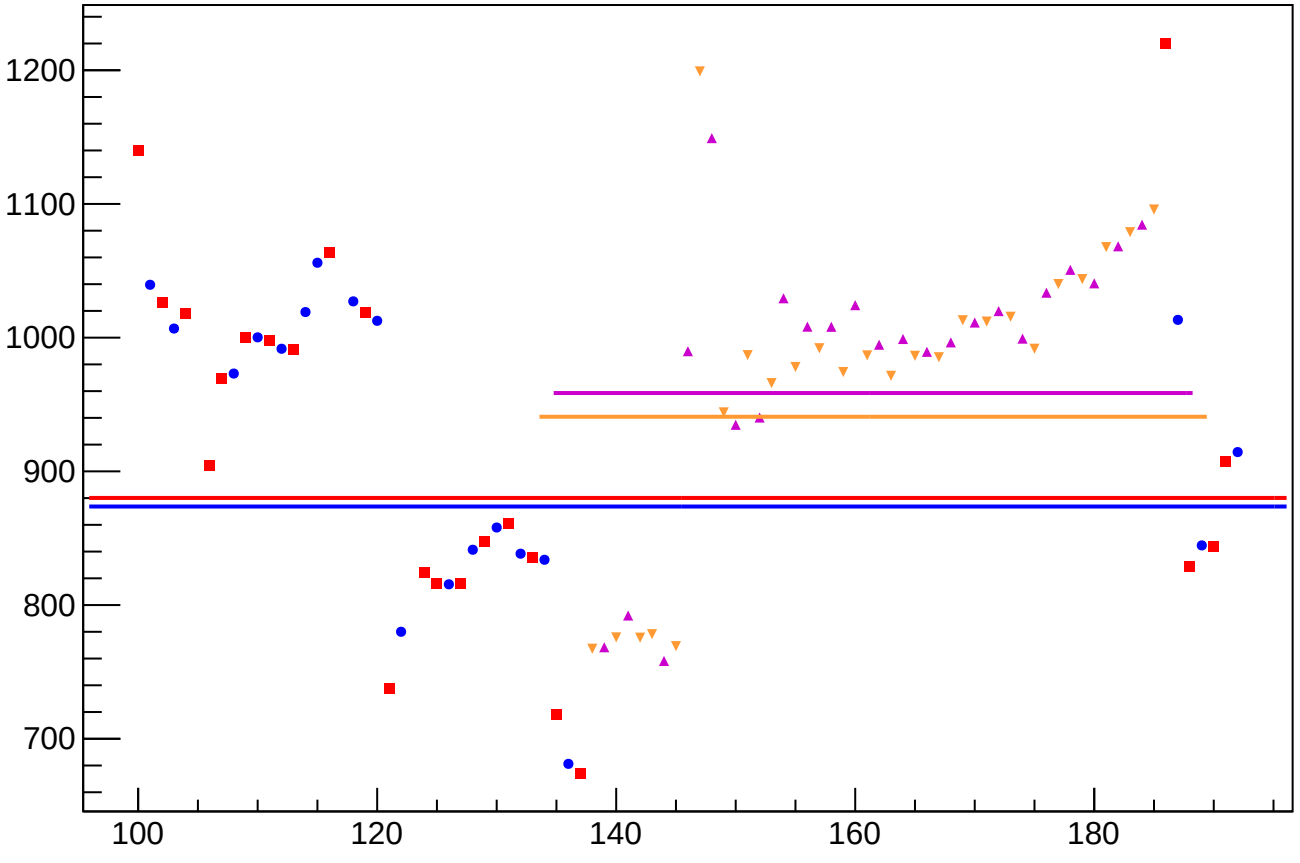
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.133+/-0.174 χ^2/NDF: 48.2/43

All: 0.088+/-0.124 χ^2/NDF: 102.8/89

- sign 0.041+/-0.178 χ^2/NDF: 54.5/45

diff_bpm_4aY_4acY_dd_rms vs Slug



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

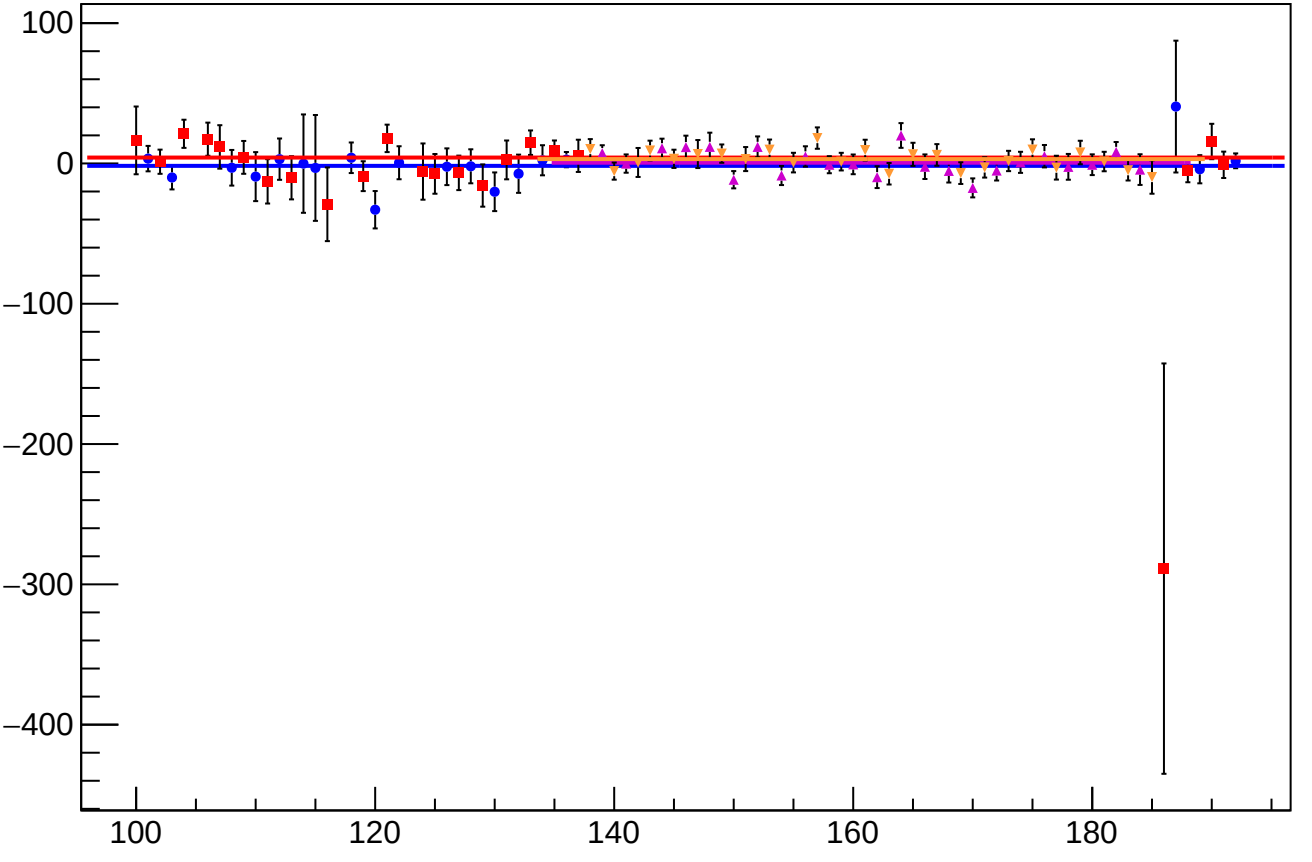
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 917.483+/-0.123 χ^2/NDF: 951649.7/43

All: 923.045+/-0.088 χ^2/NDF: 1850344.4/89

- sign 928.843+/-0.126 χ^2/NDF: 894517.2/45

diff_bpm_4aY_4eY_avg_mean vs Slug



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

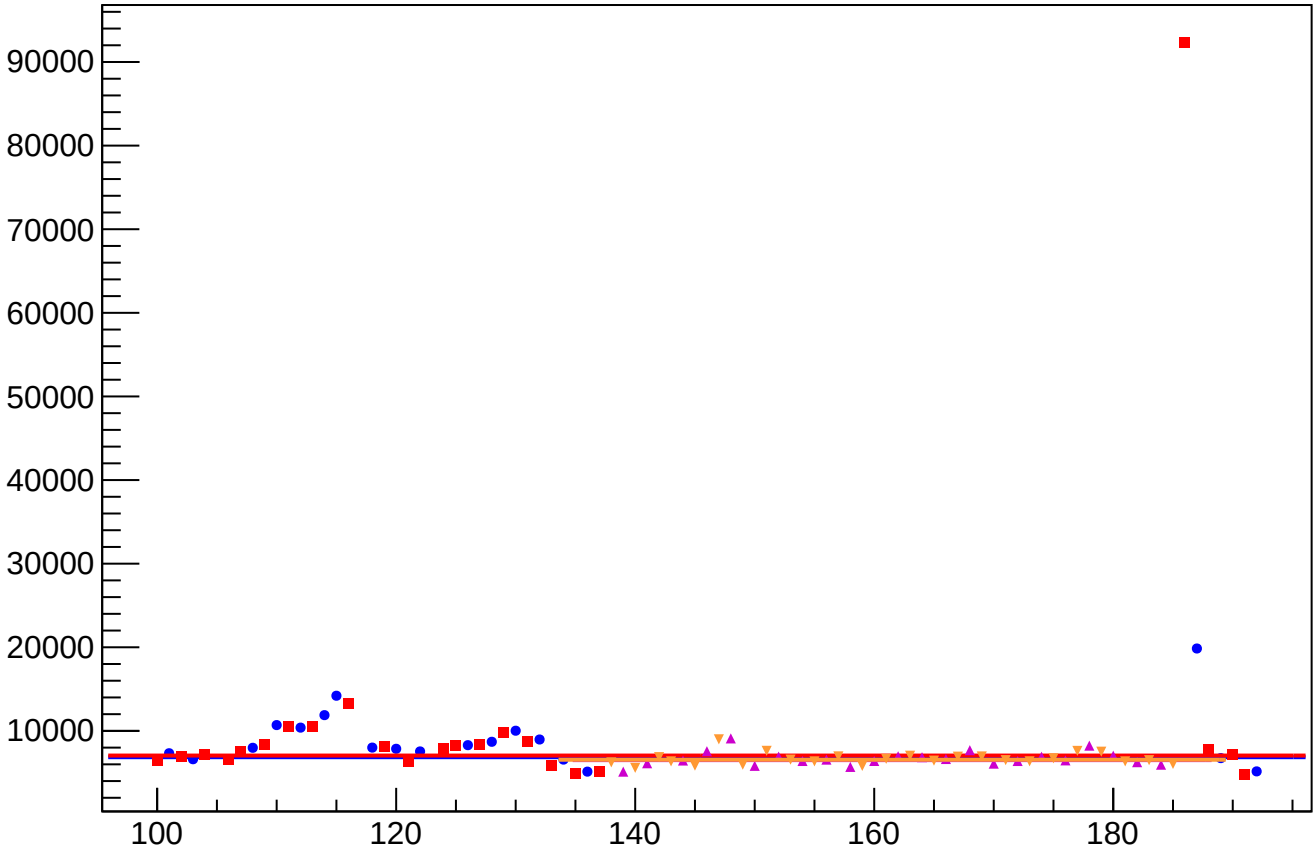
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 1.738+/-1.271 χ^2/NDF: 33.0/43

All: 1.655+/-0.908 χ^2/NDF: 90.4/89

- sign 1.569+/-1.297 χ^2/NDF: 57.4/45

diff_bpm_4aY_4eY_avg_rms vs Slug



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

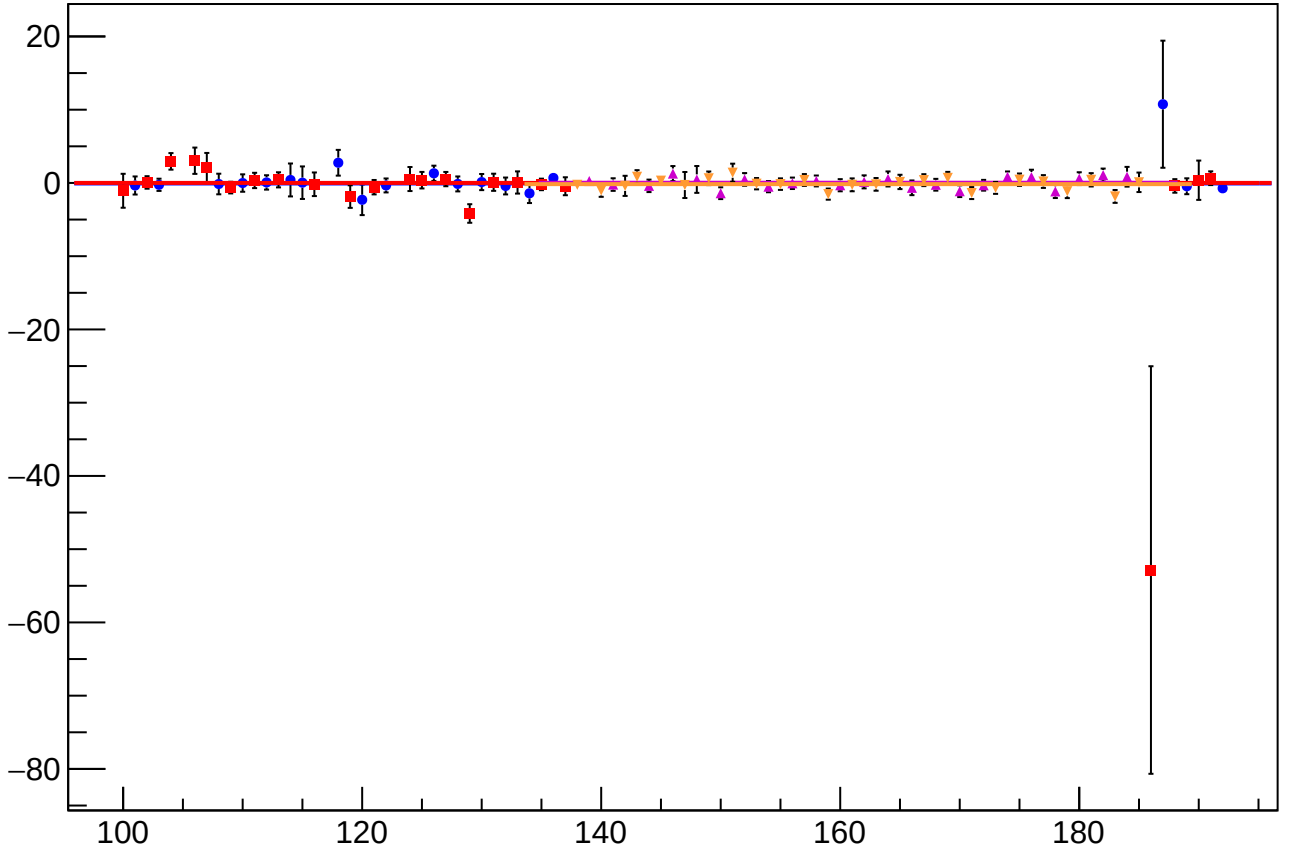
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6635.324+/-0.899 χ^2/NDF: 1568551.9/43

All: 6647.814+/-0.642 χ^2/NDF: 3764413.4/89

- sign 6660.827+/-0.917 χ^2/NDF: 2195467.1/45

diff_bpm_4aY_4eY_dd_mean vs Slug



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

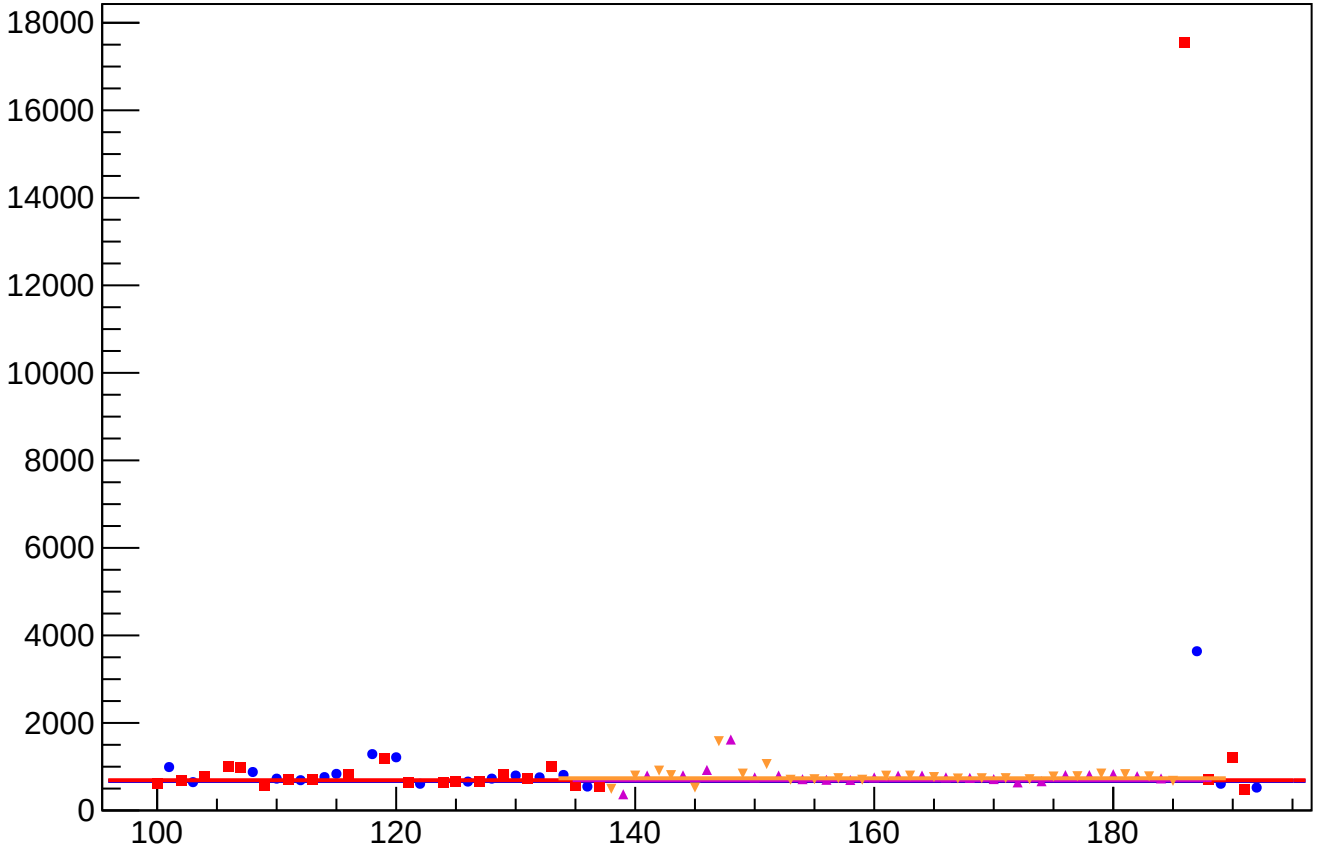
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.131+/-0.139 χ^2/NDF: 30.9/43

All: -0.059+/-0.098 χ^2/NDF: 76.1/89

- sign 0.013+/-0.139 χ^2/NDF: 44.7/45

diff_bpm_4aY_4eY_dd_rms vs Slug



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

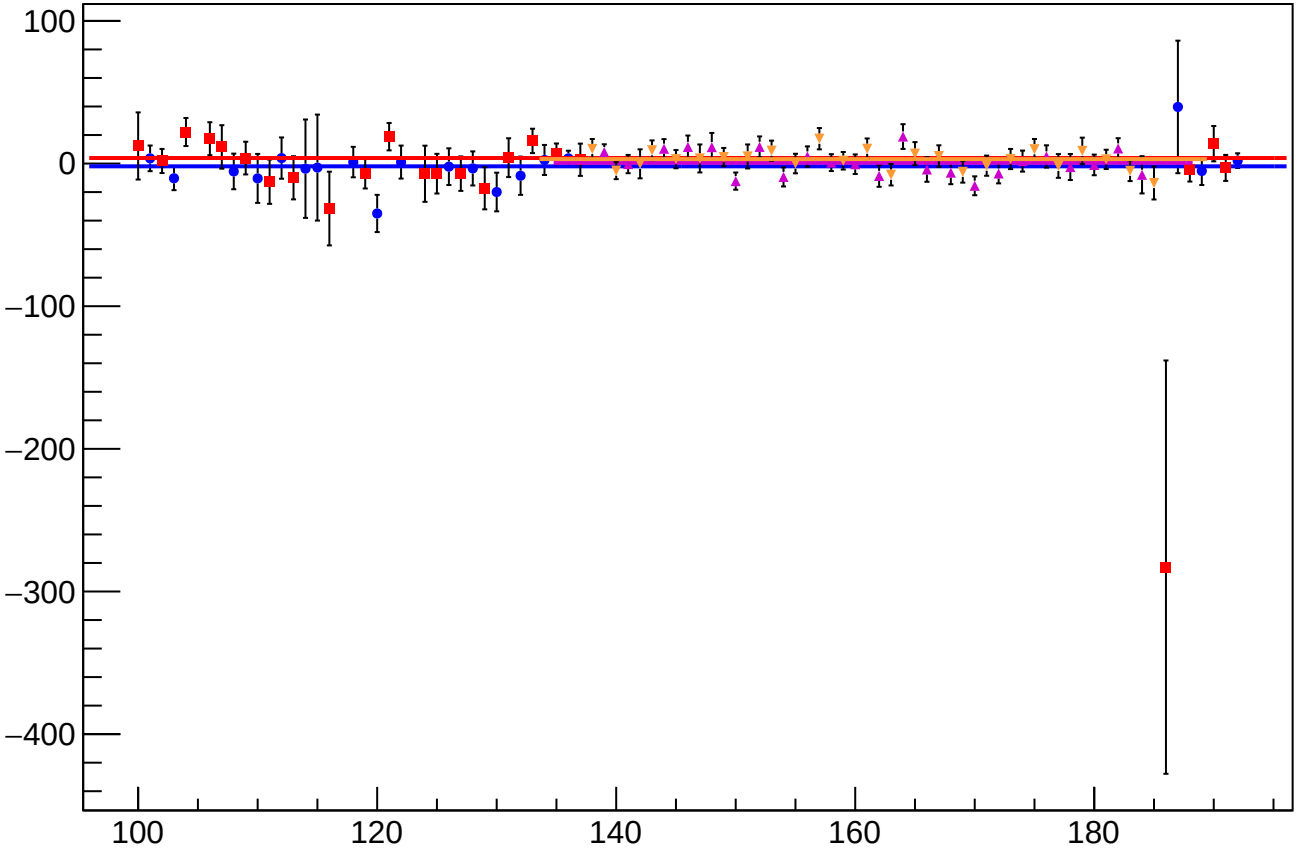
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 713.532+/-0.098 χ^2/NDF: 2574083.1/43

All: 703.233+/-0.070 χ^2/NDF: 6318617.2/89

- sign 692.994+/-0.098 χ^2/NDF: 3722721.7/45

diff_bpm_4aY_4ecY_avg_mean vs Slug



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

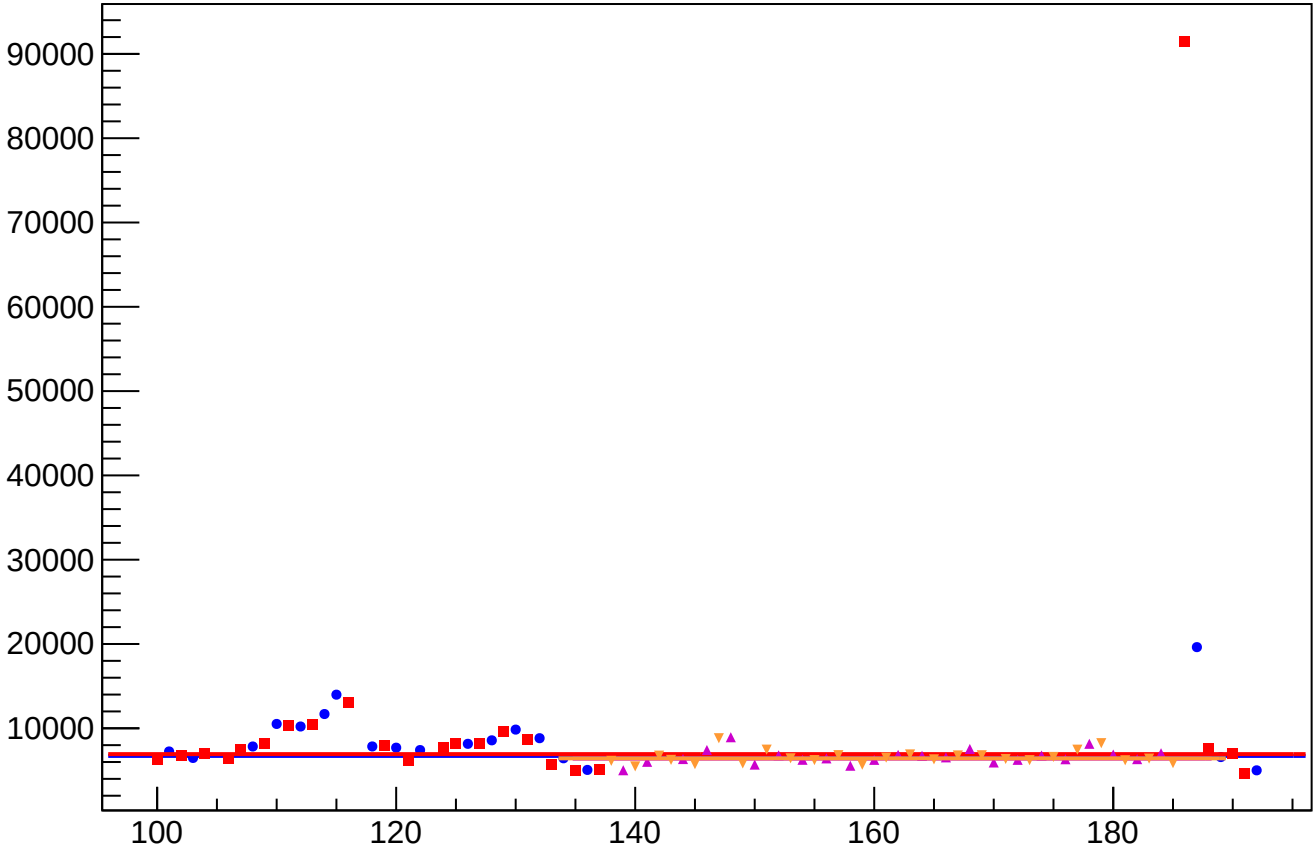
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 1.680+/-1.250 χ^2/NDF: 35.3/43

All: 1.594+/-0.893 χ^2/NDF: 95.0/89

- sign 1.504+/-1.278 χ^2/NDF: 59.8/45

diff_bpm_4aY_4ecY_avg_rms vs Slug



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

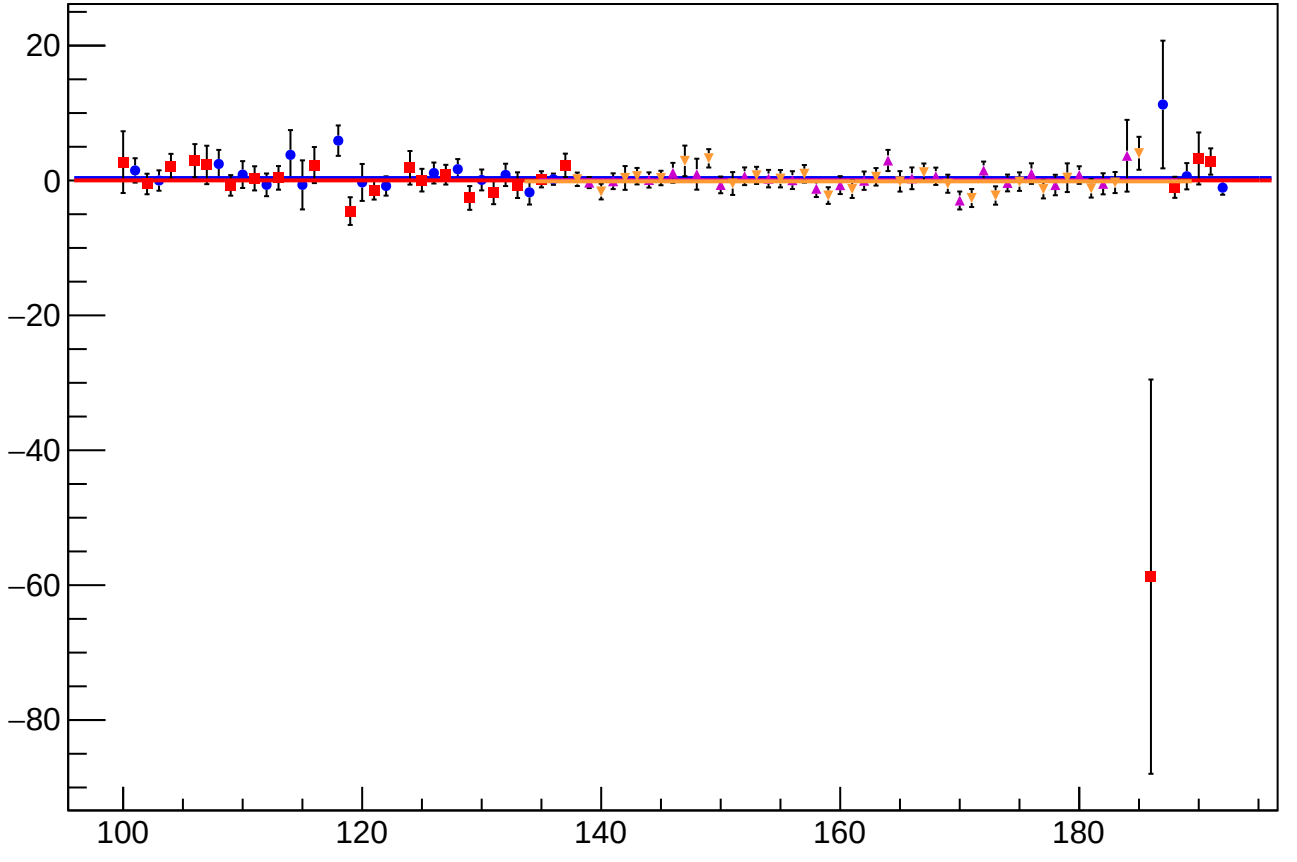
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6517.234+/-0.884 χ^2/NDF: 1632378.3/43

All: 6536.633+/-0.632 χ^2/NDF: 3821841.8/89

- sign 6556.910+/-0.904 χ^2/NDF: 2188478.0/45

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.361+/-0.375 χ^2/NDF: 15.3/18

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

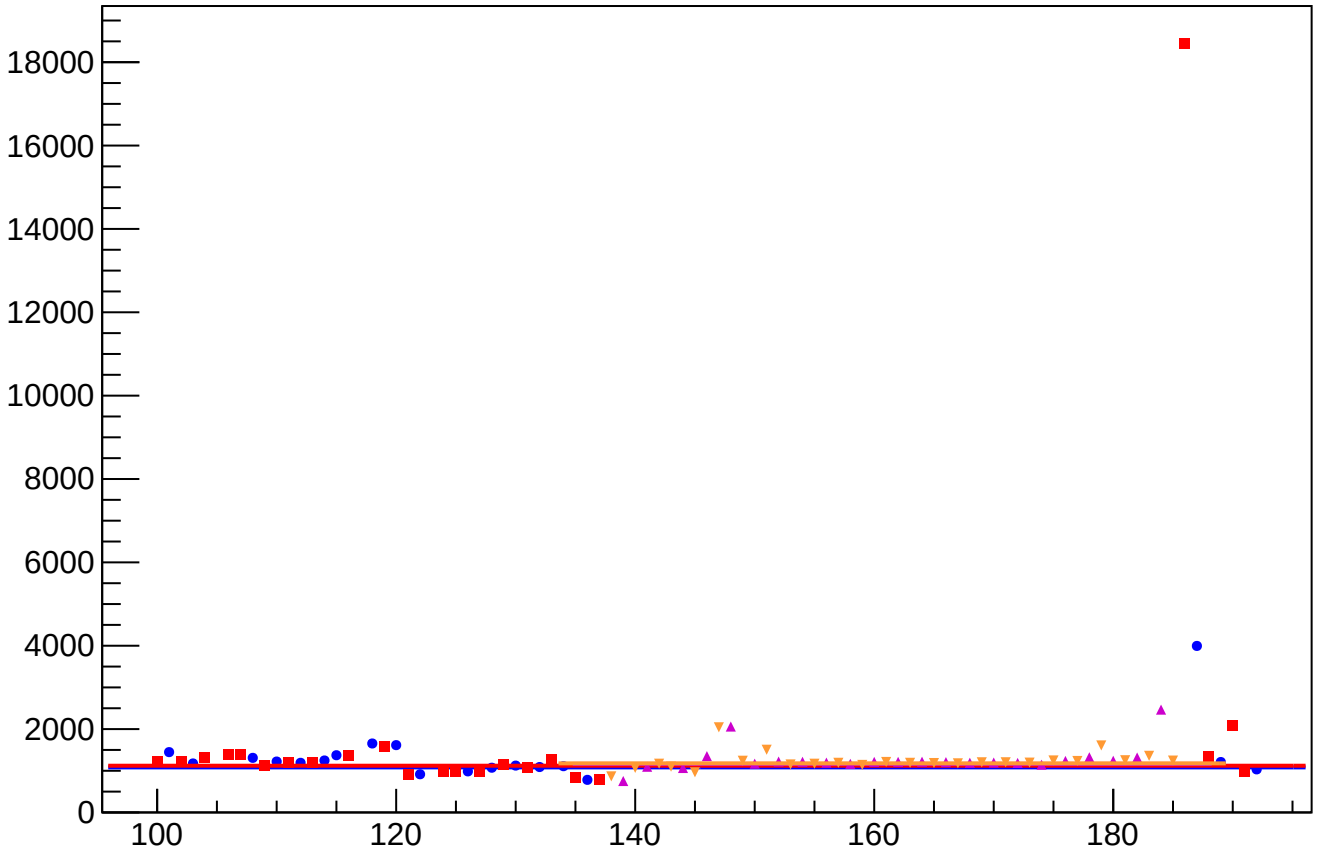
Right Out: 0.018+/-0.386 χ^2/NDF: 24.1/22

Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign 0.045+/-0.221 χ^2/NDF: 43.4/43

All: 0.035+/-0.158 χ^2/NDF: 82.0/89

- sign 0.025+/-0.226 χ^2/NDF: 38.6/45



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

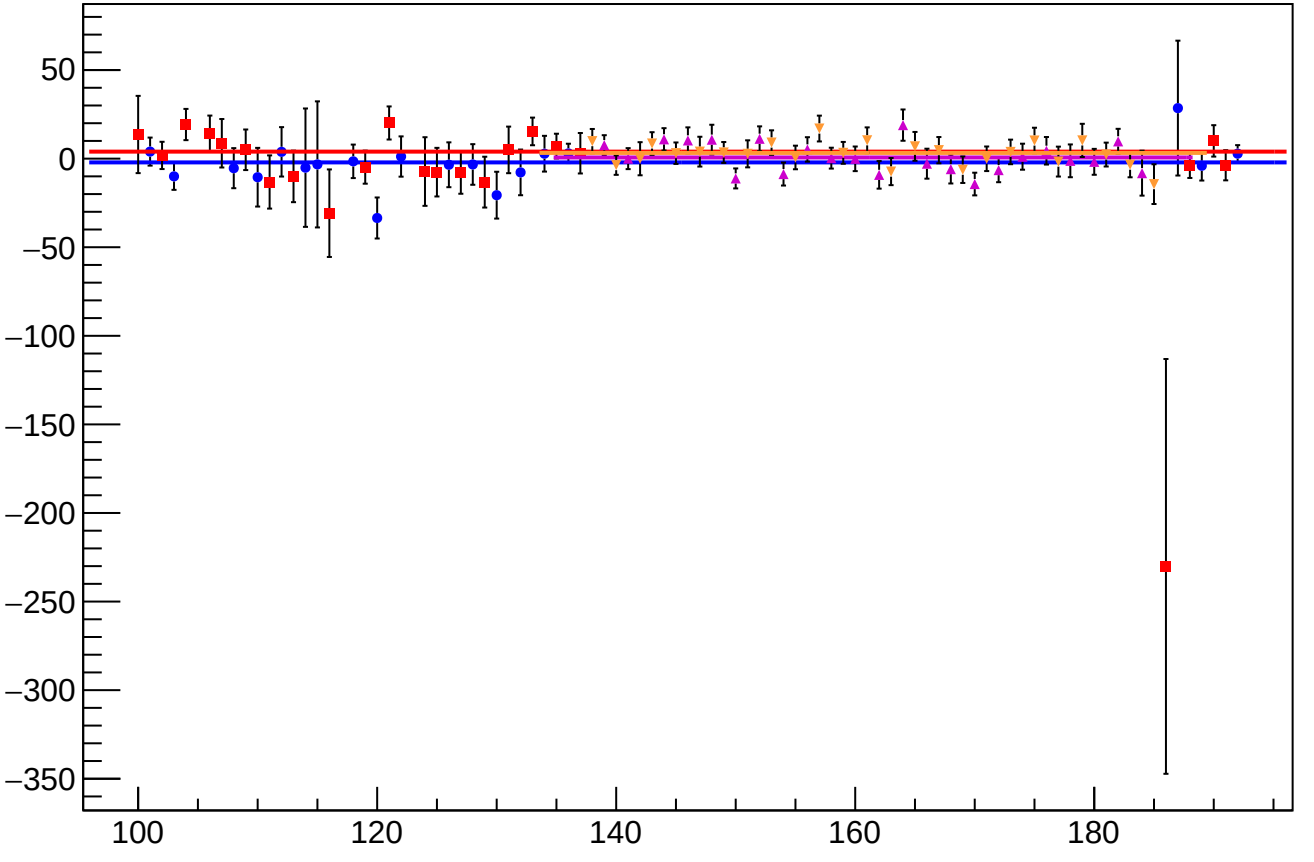
Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1144.251+/-0.156 χ^2/NDF: 1736573.7/43

All: 1146.676+/-0.112 χ^2/NDF: 4174638.1/89

- sign 1149.209+/-0.160 χ^2/NDF: 2437571.9/45

diff_bpm_4eY_4ecY_avg_mean vs Slug



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

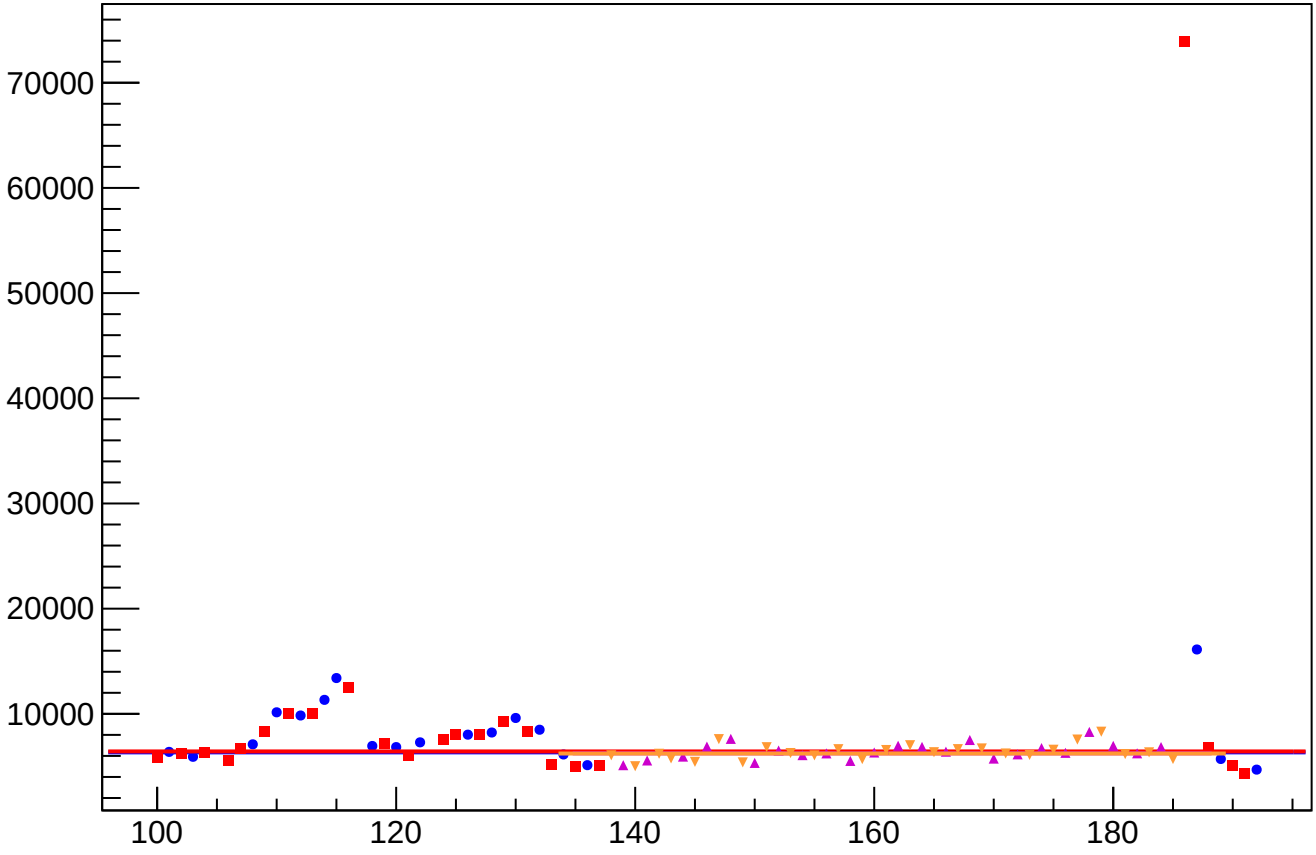
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 1.651+/-1.200 χ^2/NDF: 36.7/43

All: 1.666+/-0.858 χ^2/NDF: 95.4/89

- sign 1.681+/-1.226 χ^2/NDF: 58.7/45

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6337.470+/-1.561 χ^2/NDF: 1140841.4/18

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 6426.907+/-1.562 χ^2/NDF: 1641317.8/22

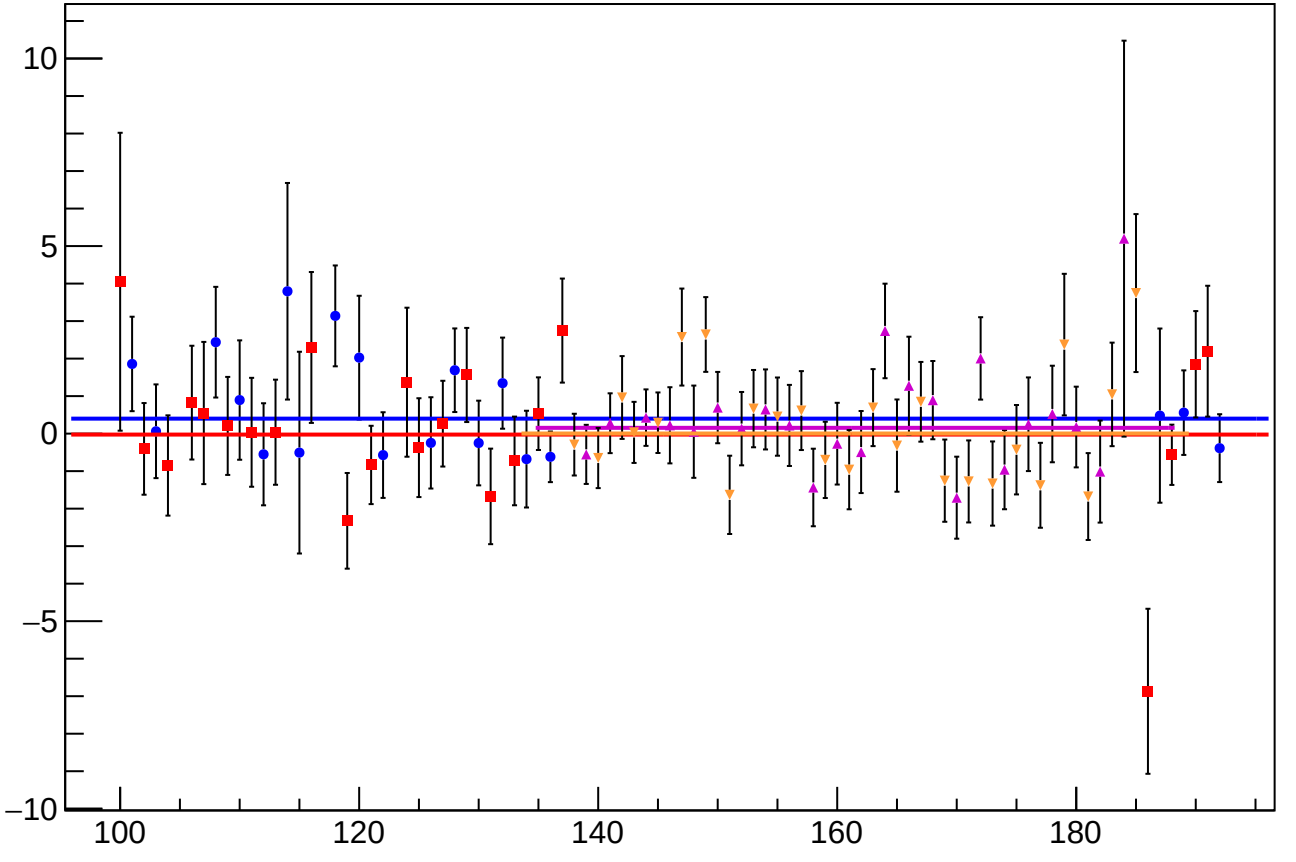
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6260.810+/-0.848 χ^2/NDF: 1615117.3/43

All: 6281.082+/-0.606 χ^2/NDF: 3751781.3/89

- sign 6302.247+/-0.867 χ^2/NDF: 2135497.2/45

diff_bpm_4eY_4ecY_dd_mean vs Slug



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

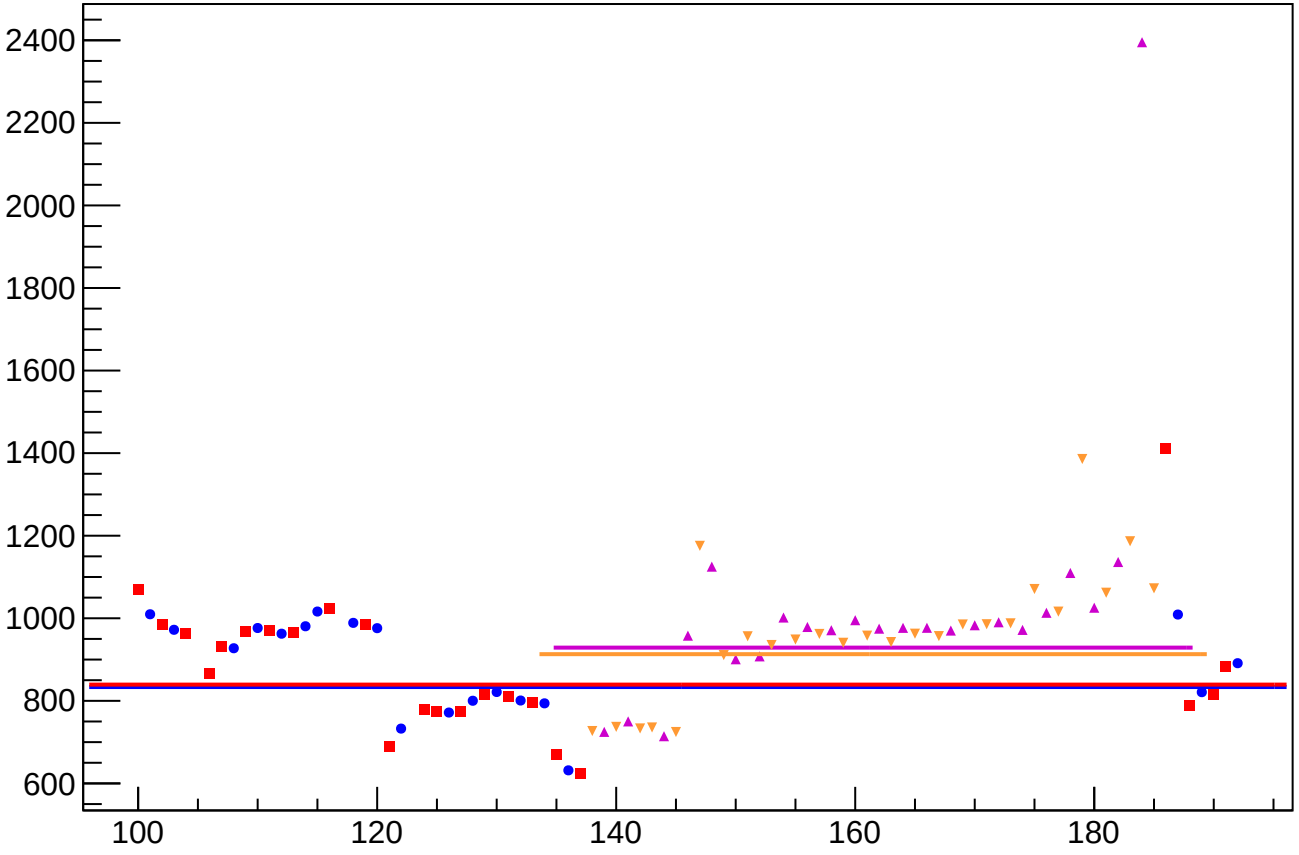
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.146+/-0.169 χ^2/NDF: 50.5/43

All: 0.116+/-0.121 χ^2/NDF: 98.4/89

- sign 0.084+/-0.173 χ^2/NDF: 47.9/45

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 833.452+/-0.200 χ^2/NDF: 386984.1/18

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

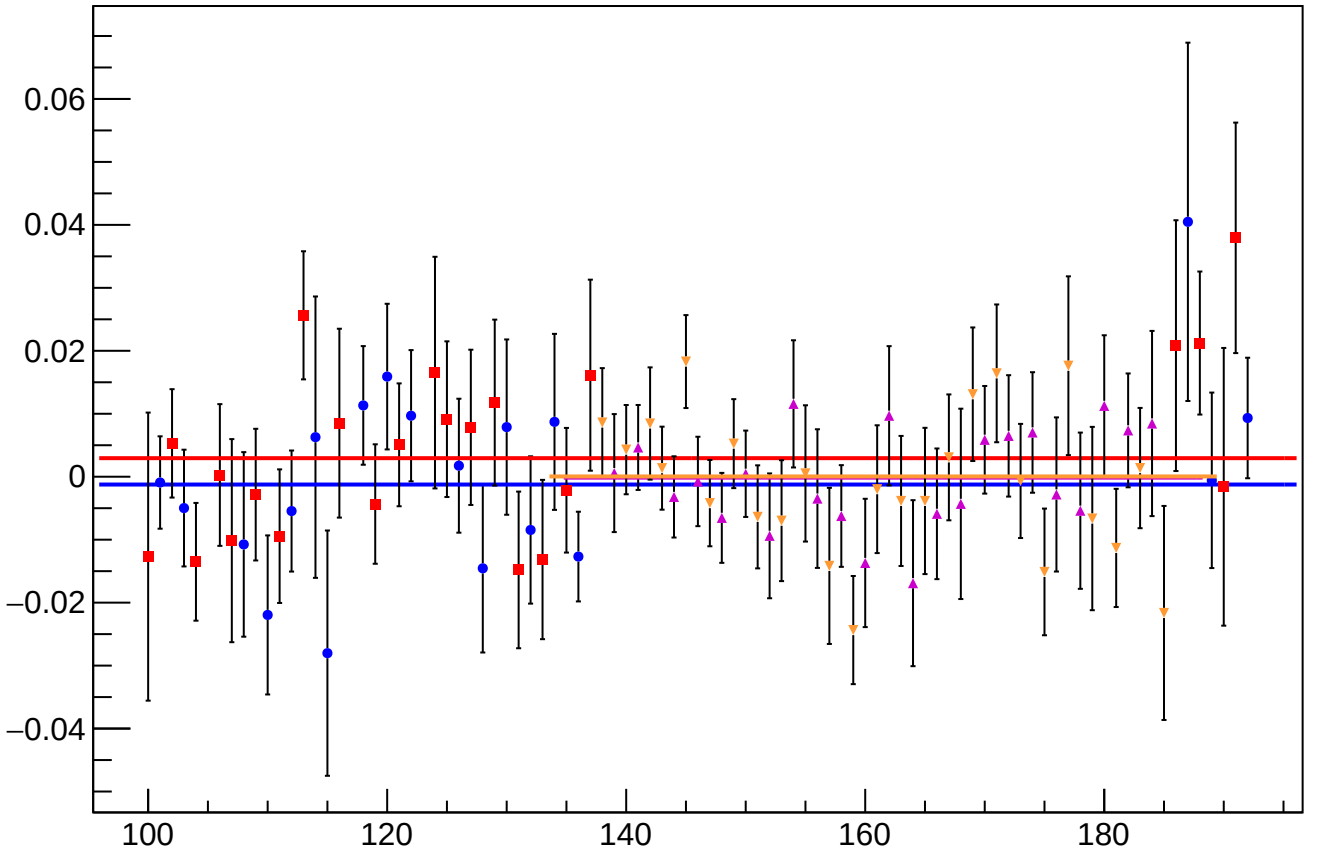
Right Out: 839.331+/-0.195 χ^2/NDF: 465014.8/22

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 884.374+/-0.120 χ^2/NDF: 1377930.1/43

All: 889.082+/-0.086 χ^2/NDF: 2743262.7/89

- sign 893.968+/-0.122 χ^2/NDF: 1362187.1/45



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

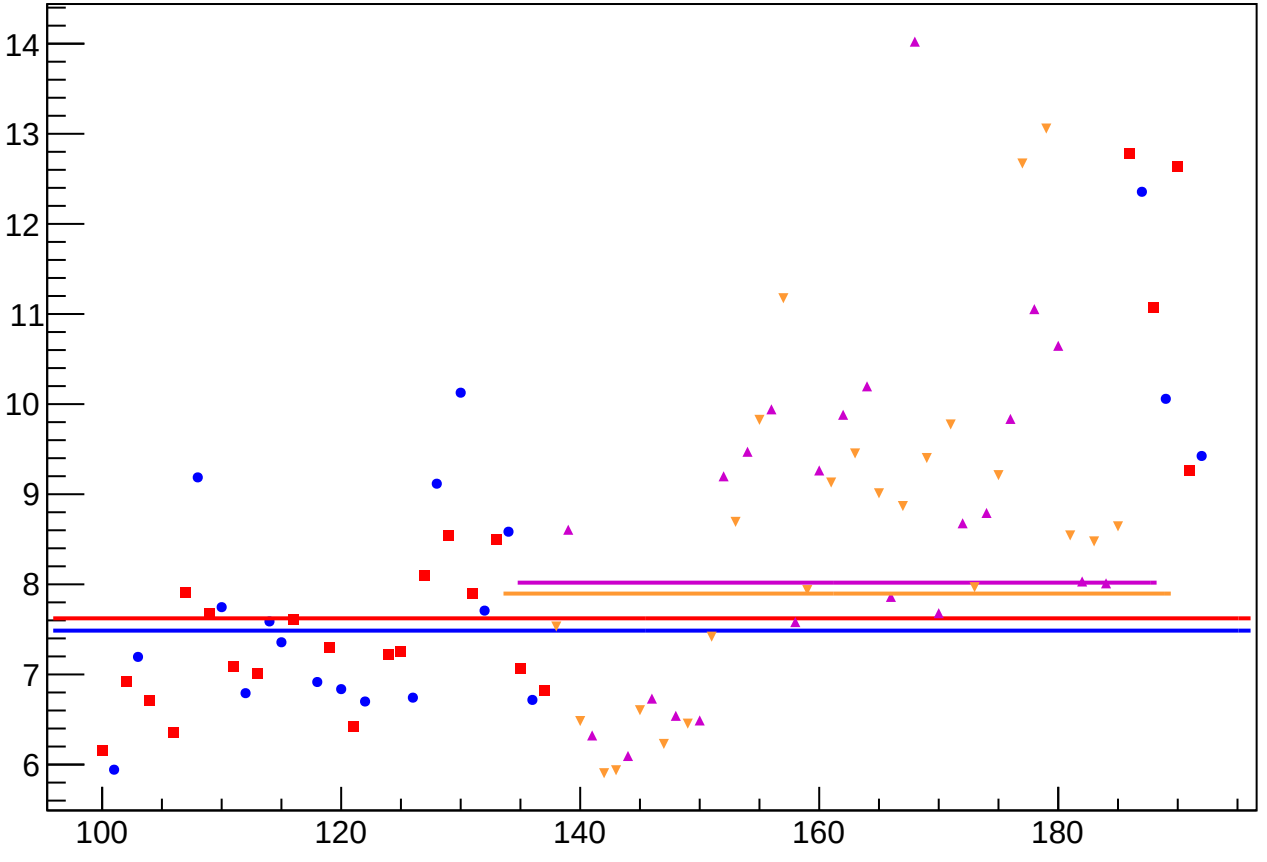
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.000+/-0.001 χ^2/NDF: 50.2/43

All: 0.000+/-0.001 χ^2/NDF: 89.3/89

- sign 0.001+/-0.002 χ^2/NDF: 38.7/45

diff_dispE_bpm12X_rms vs Slug



Right In: 7.486+/-0.002 χ^2/NDF: 510370.2/18

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

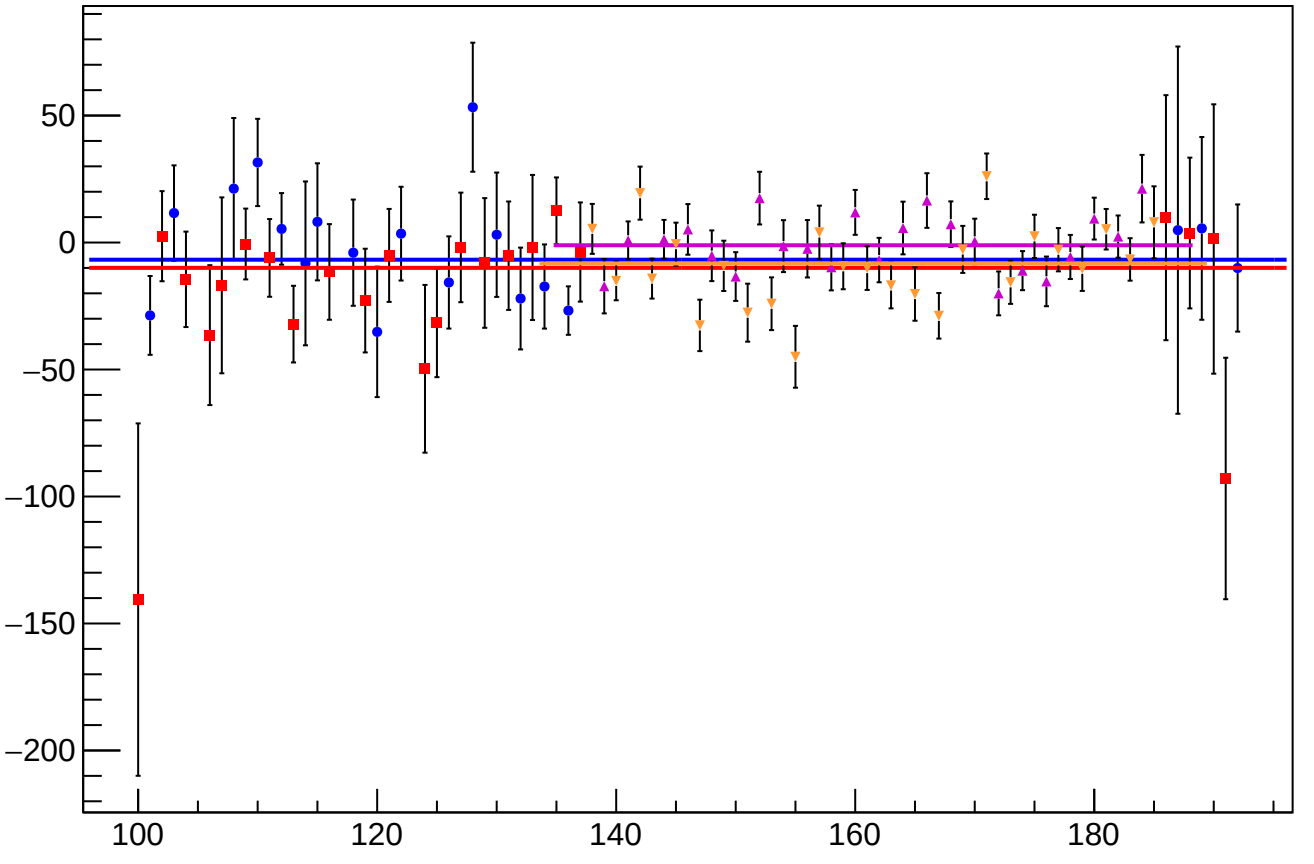
Right Out: 7.623+/-0.002 χ^2/NDF: 586741.9/22

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 7.756+/-0.001 χ^2/NDF: 2135331.7/43

All: 7.814+/-0.001 χ^2/NDF: 4215043.3/89

- sign 7.874+/-0.001 χ^2/NDF: 2073655.9/45



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

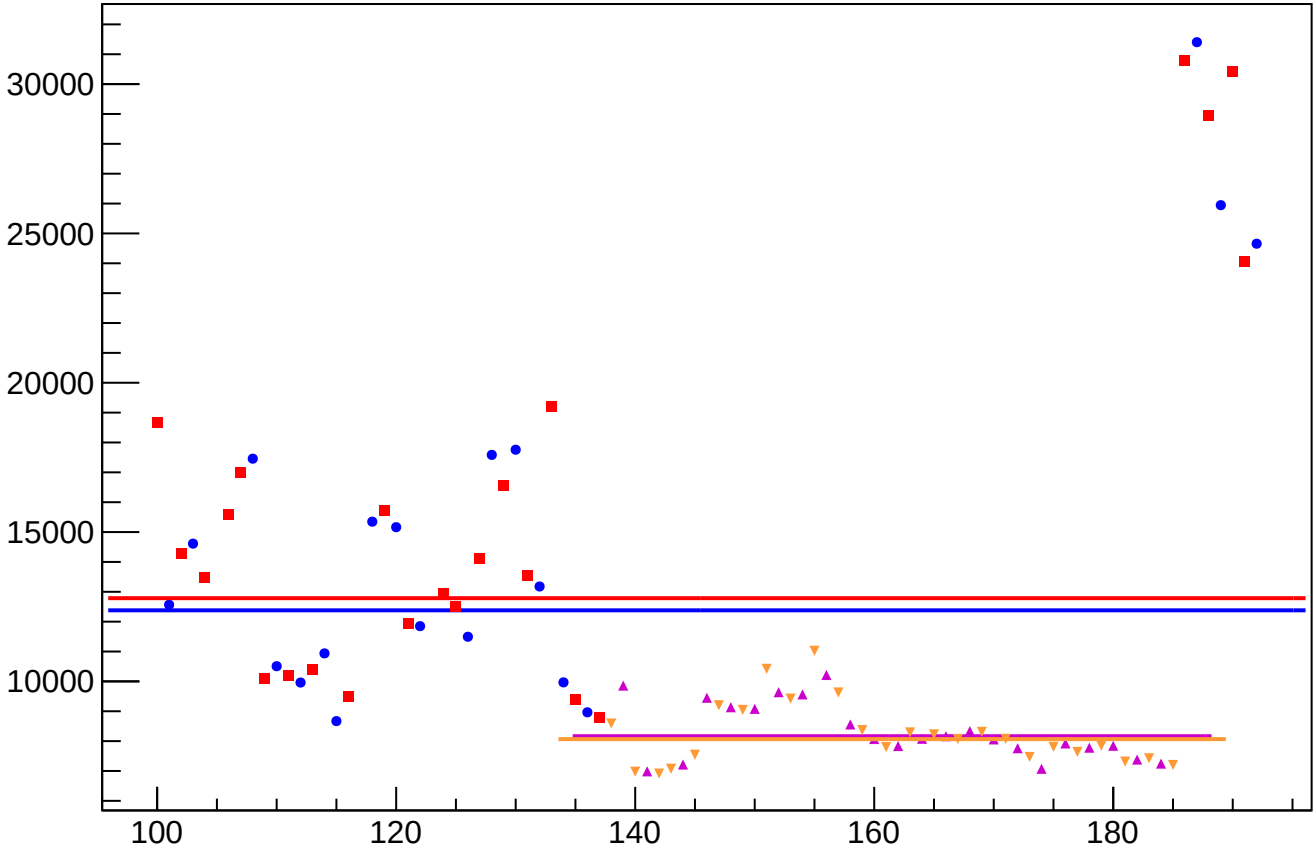
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.030+/-1.704 χ^2/NDF: 85.5/43

All: -5.351+/-1.224 χ^2/NDF: 140.3/89

- sign -2.489+/-1.761 χ^2/NDF: 49.7/45

diff_targ_positionX_rms vs Slug



Right In: 12379.561+/-3.095 χ^2/NDF: 1689609.8/18

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

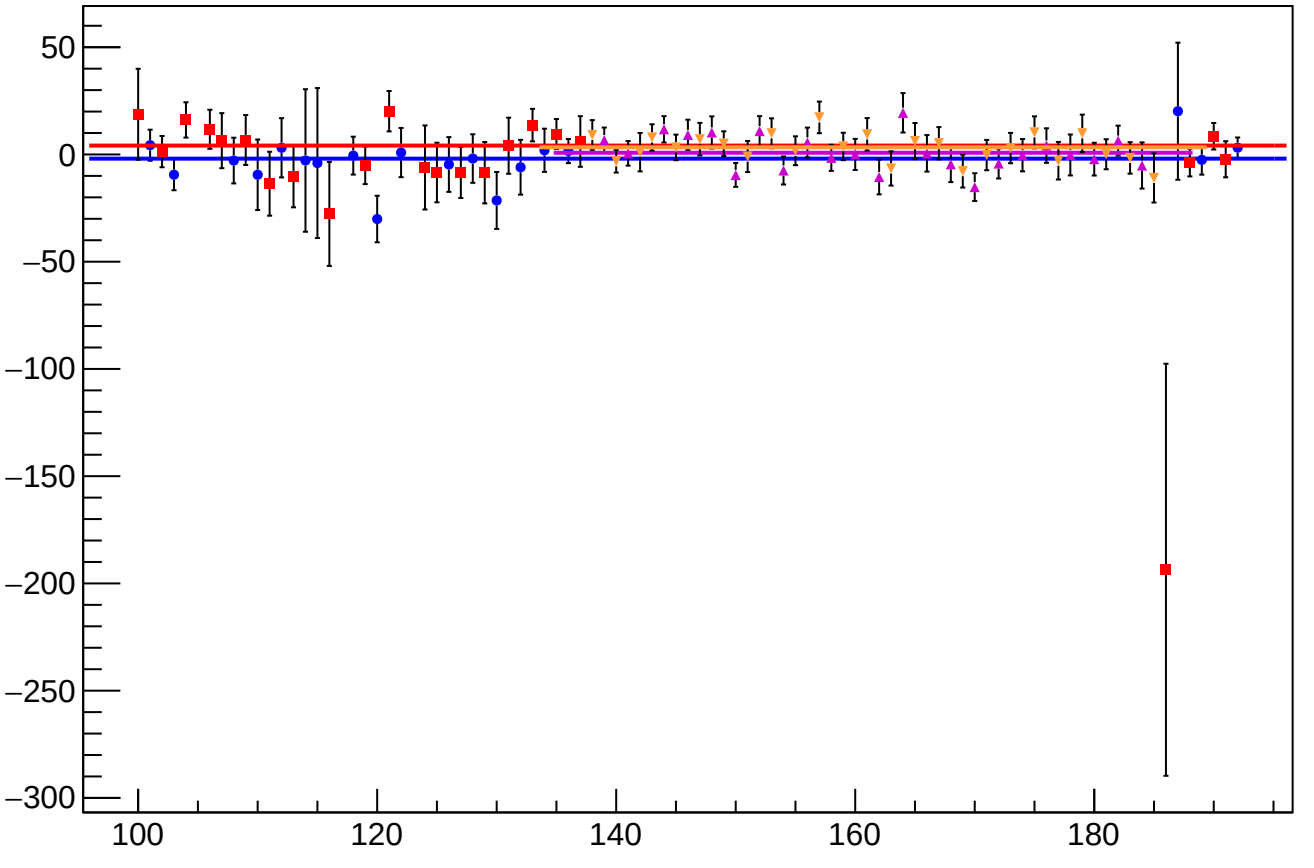
Right Out: 12786.240+/-3.120 χ^2/NDF: 1947119.5/22

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 8720.069+/-1.205 χ^2/NDF: 3835435.6/43

All: 8807.043+/-0.866 χ^2/NDF: 8071307.9/89

- sign 8899.996+/-1.245 χ^2/NDF: 4225088.2/45



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

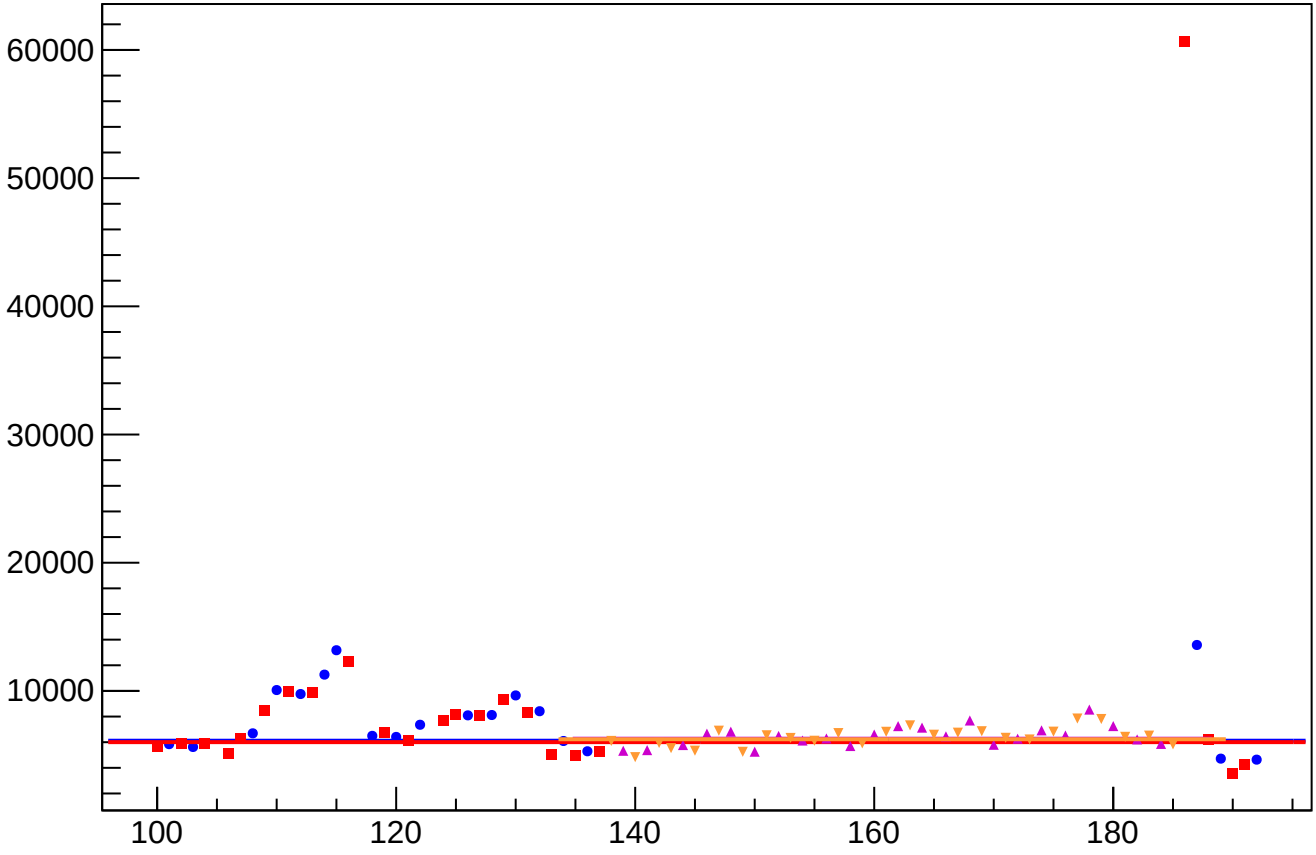
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 1.691+/-1.188 χ^2/NDF: 34.7/43

All: 1.804+/-0.846 χ^2/NDF: 89.4/89

- sign 1.920+/-1.205 χ^2/NDF: 54.8/45

diff_targ_positionY_rms vs Slug



Right In: 6114.502+/-1.507 χ^2/NDF: 1175923.6/18

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

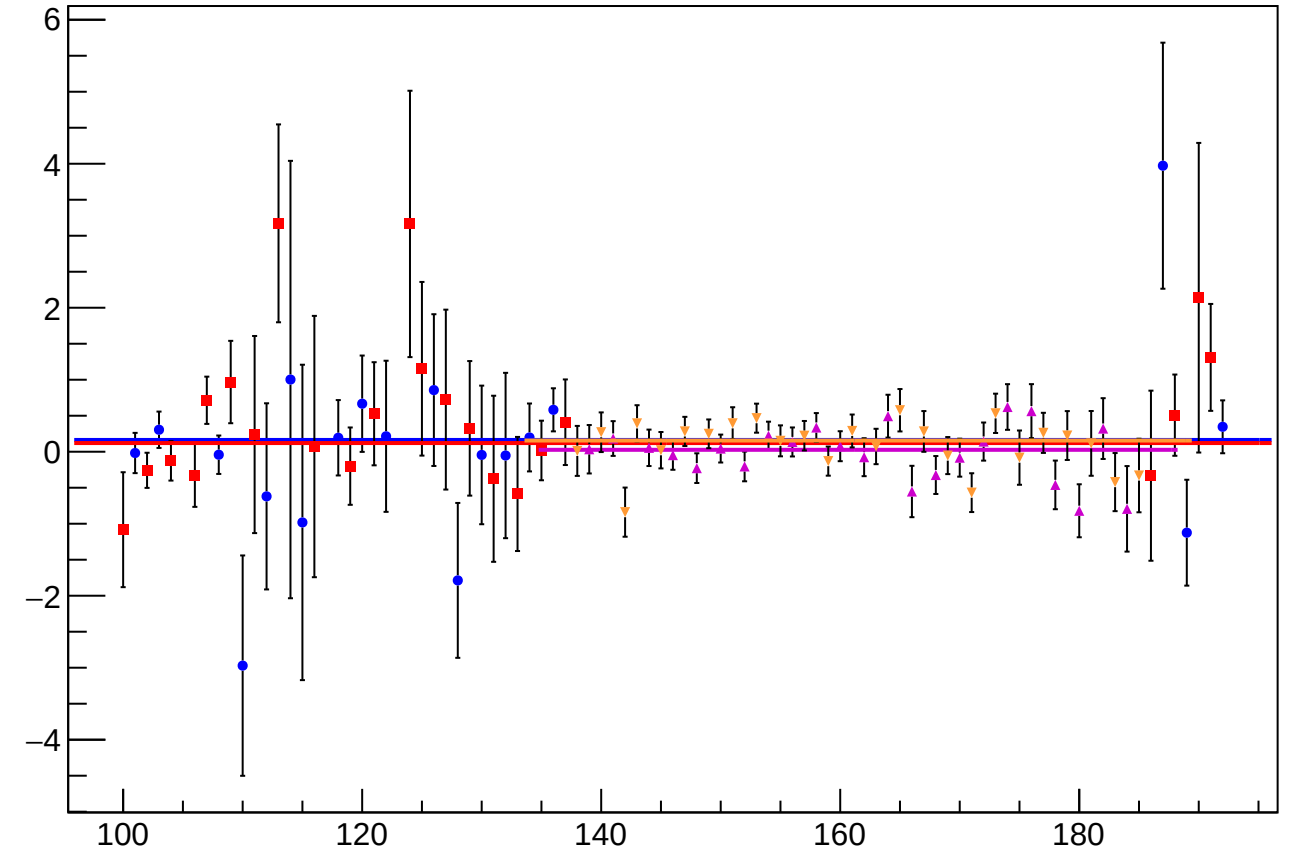
Right Out: 6005.187+/-1.470 χ^2/NDF: 1966020.9/22

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 6194.770+/-0.840 χ^2/NDF: 1712618.1/43

All: 6188.280+/-0.598 χ^2/NDF: 4205167.8/89

- sign 6181.600+/-0.852 χ^2/NDF: 2492428.5/45



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

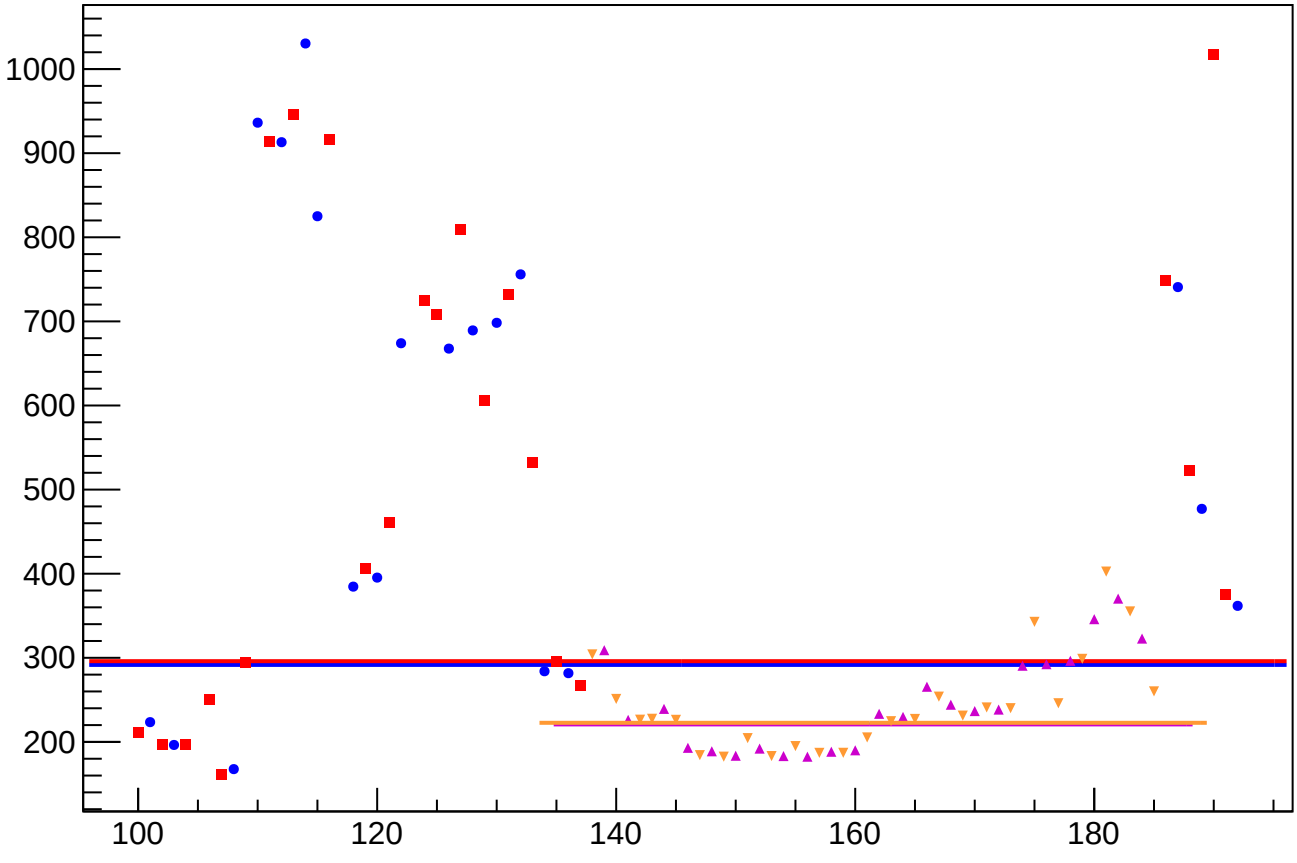
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.157+/-0.047 χ^2/NDF: 53.1/43

All: 0.101+/-0.034 χ^2/NDF: 113.1/89

- sign 0.043+/-0.048 χ^2/NDF: 57.0/45

diff_targ_thetaX_rms vs Slug



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

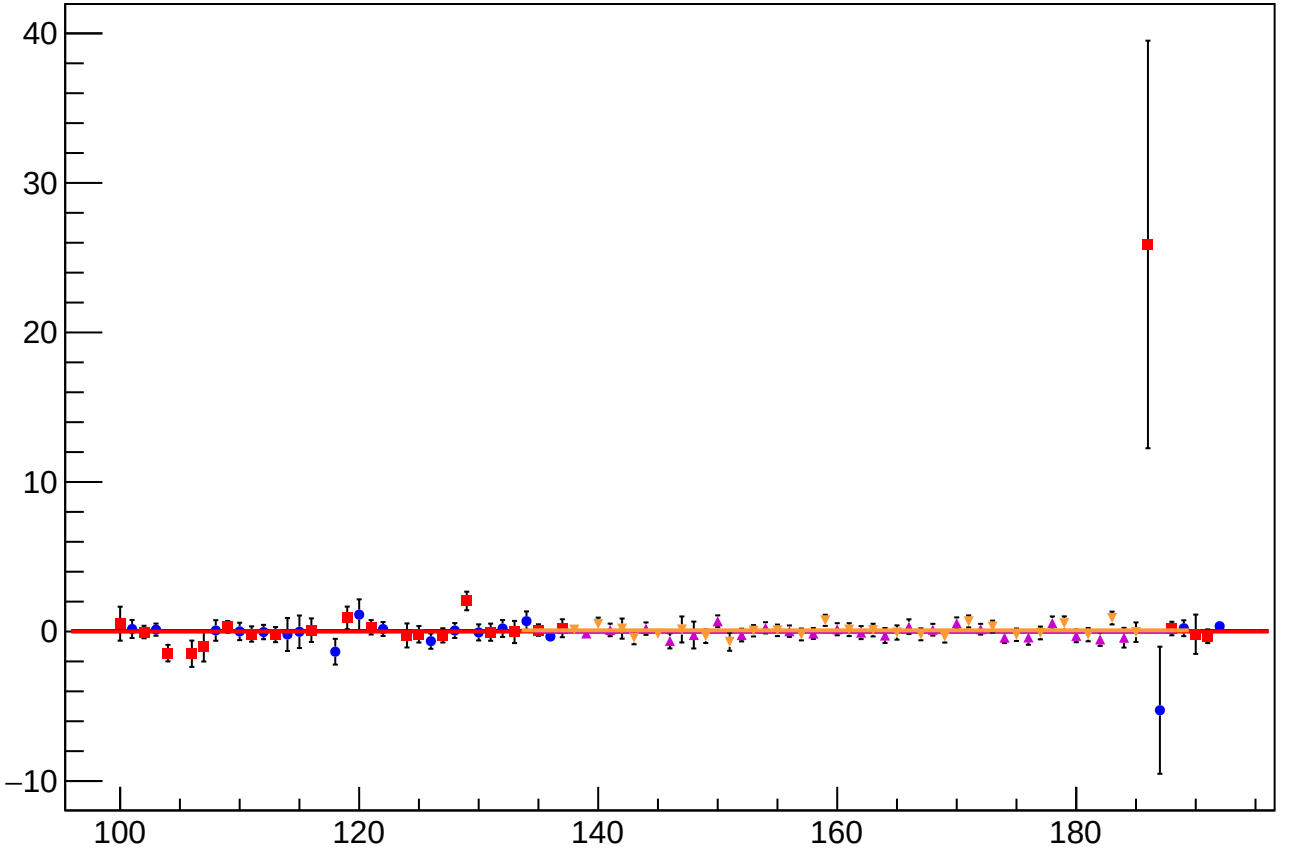
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 234.877+/-0.033 χ^2/NDF: 5890852.1/43

All: 234.435+/-0.024 χ^2/NDF: 12555356.9/89

- sign 233.974+/-0.034 χ^2/NDF: 6664145.7/45

diff_targ_thetaY_mean vs Slug



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

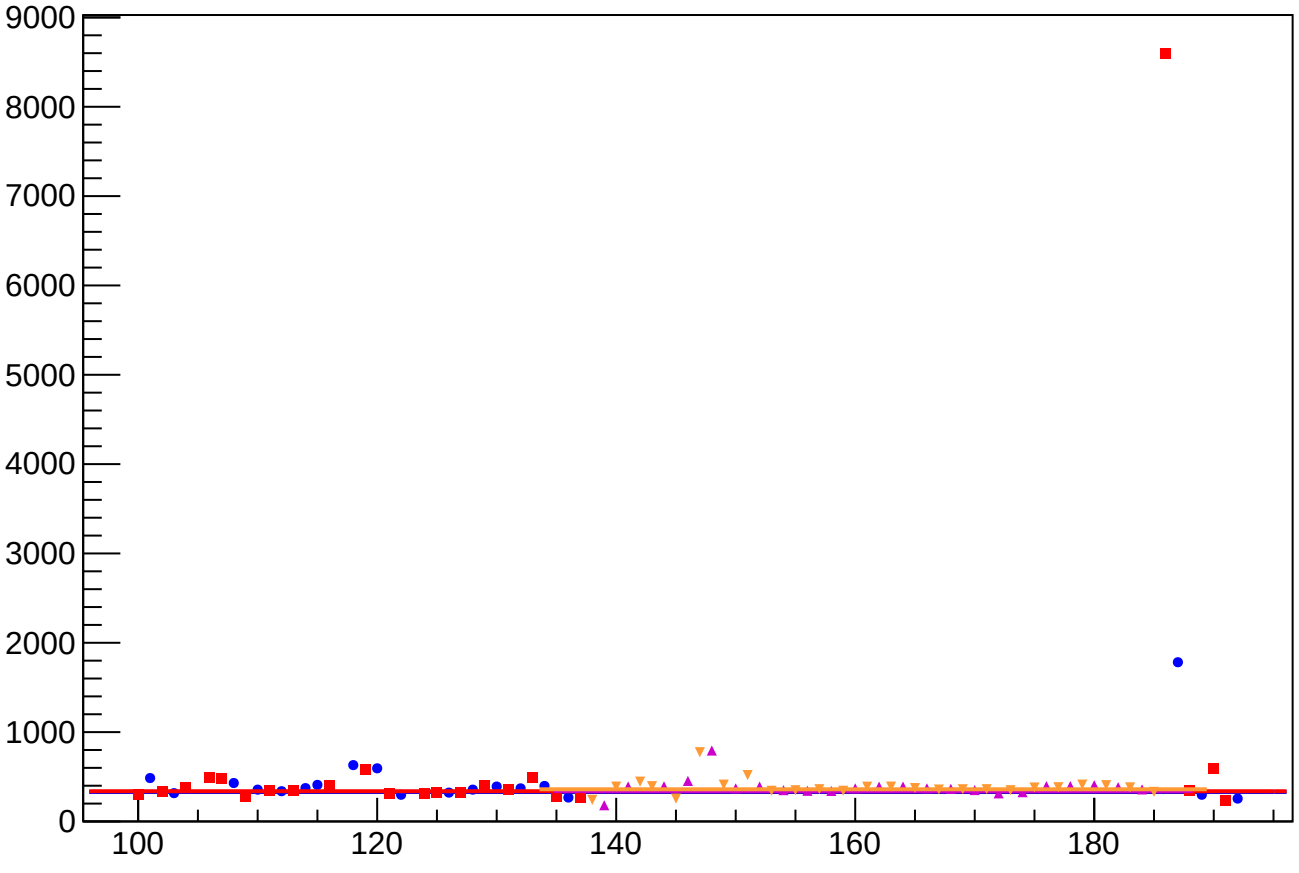
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.064+/-0.068 χ^2/NDF: 30.9/43

All: 0.029+/-0.048 χ^2/NDF: 76.1/89

- sign -0.006+/-0.068 χ^2/NDF: 44.7/45

diff_targ_thetaY_rms vs Slug



Right In: 329.592+/-0.082 χ^2/NDF: 1144368.9/18

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

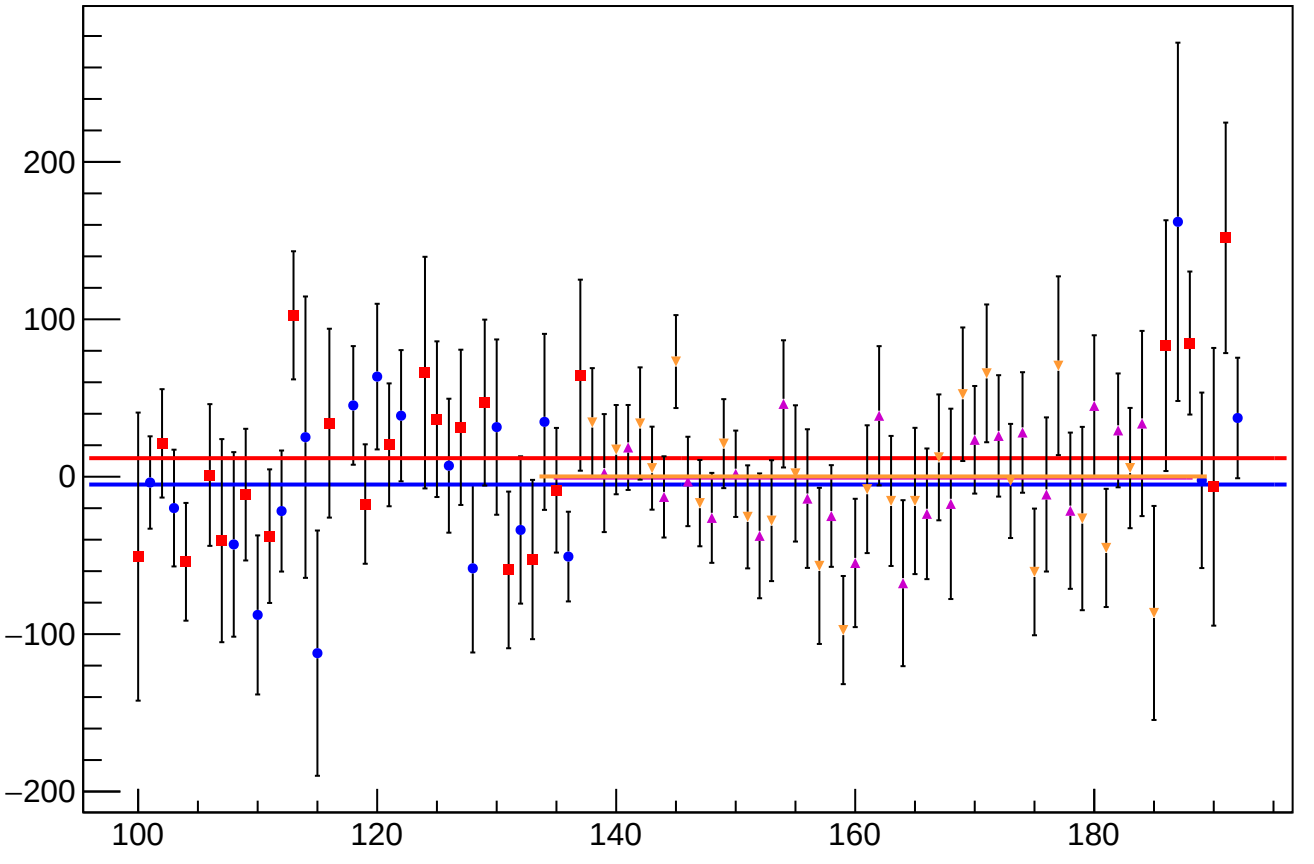
Right Out: 338.280+/-0.084 χ^2/NDF: 1497340.0/22

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 349.514+/-0.048 χ^2/NDF: 2574083.1/43

All: 344.469+/-0.034 χ^2/NDF: 6318617.2/89

- sign 339.454+/-0.048 χ^2/NDF: 3722721.7/45



Right In: -4.967+/-10.208 χ^2/NDF: 18.9/18

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

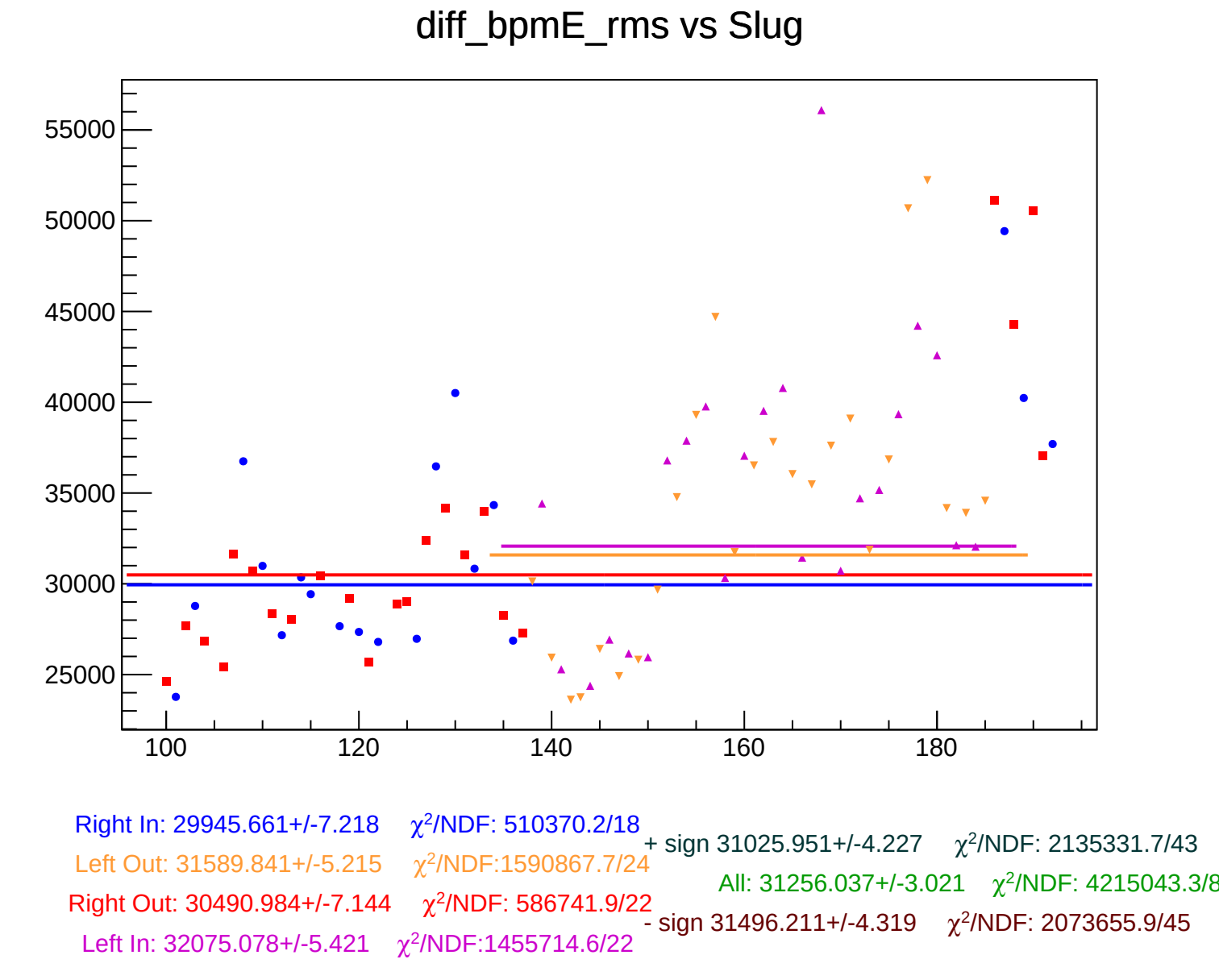
Right Out: 11.786+/-10.103 χ^2/NDF: 24.9/22

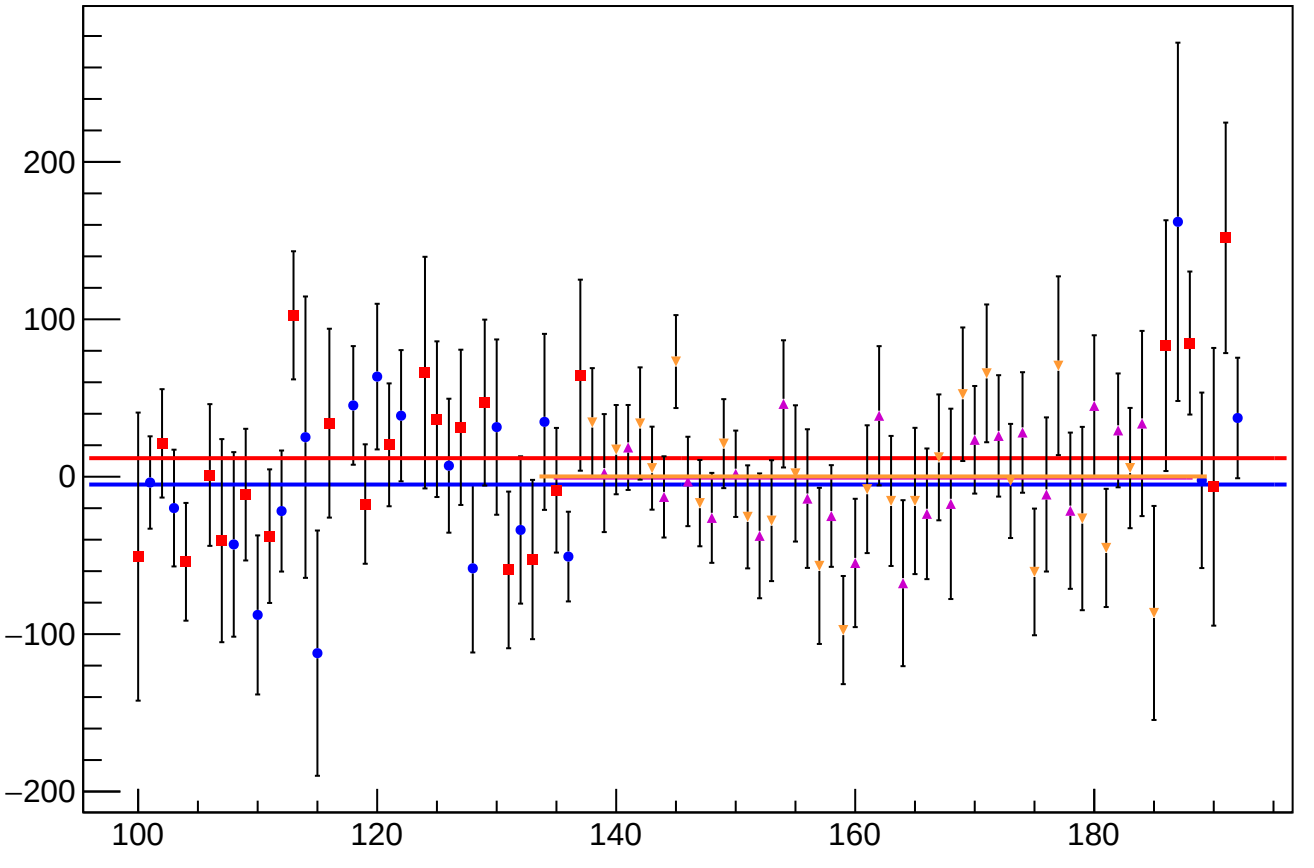
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

\+ sign -1.593+/-5.978 χ^2/NDF: 50.2/43

All: 1.111+/-4.272 χ^2/NDF: 89.3/89

\- sign 3.935+/-6.108 χ^2/NDF: 38.7/45


diff_bpmE_rms vs Slug
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
+ sign 31025.951+/-4.227 χ²/NDF: 2135331.7/43
All: 31256.037+/-3.021 χ²/NDF: 4215043.3/8
- sign 31496.211+/-4.319 χ²/NDF: 2073655.9/45



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

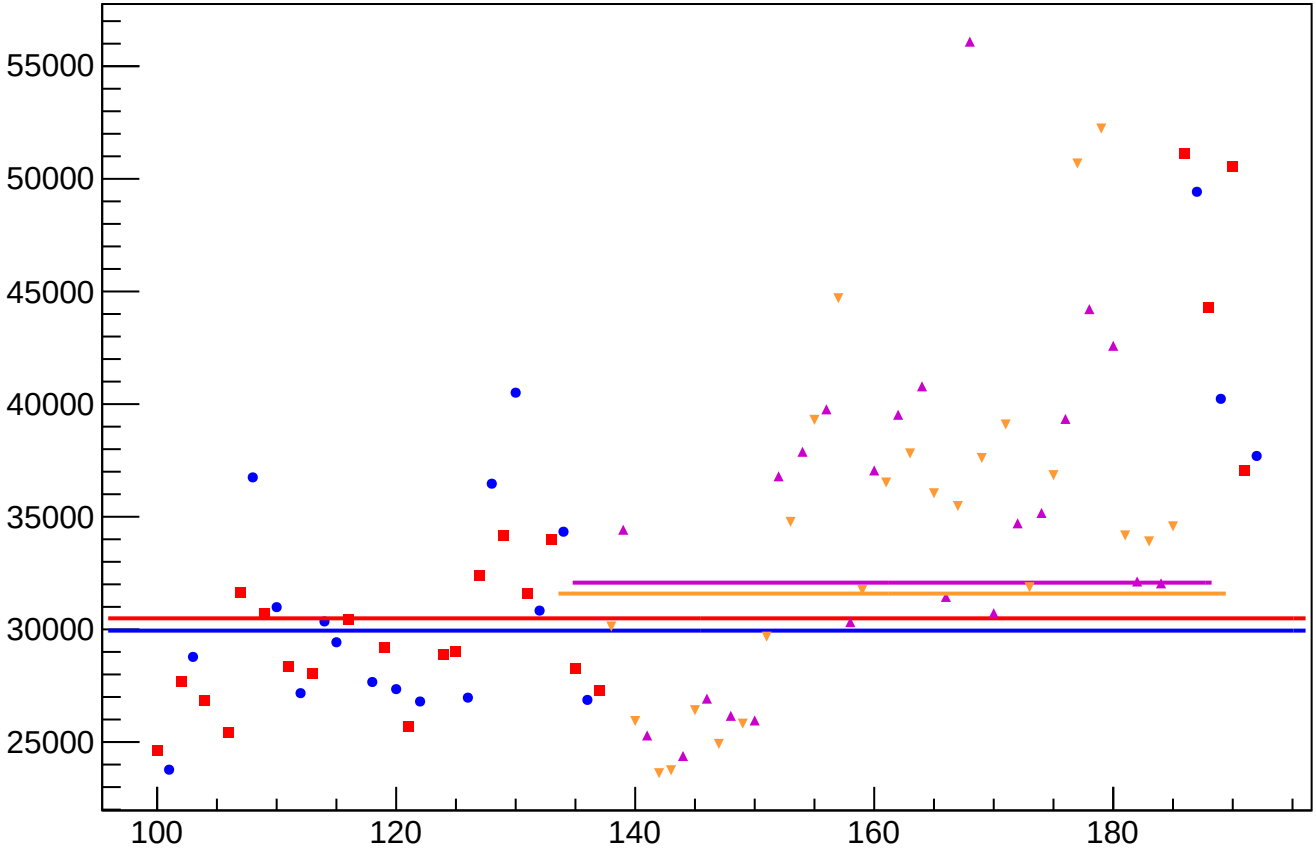
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

\+ sign -1.593+/-5.978 χ^2/NDF: 50.2/43

All: 1.111+/-4.272 χ^2/NDF: 89.3/89

\- sign 3.935+/-6.108 χ^2/NDF: 38.7/45

diff_bpmEX_rms vs Slug



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

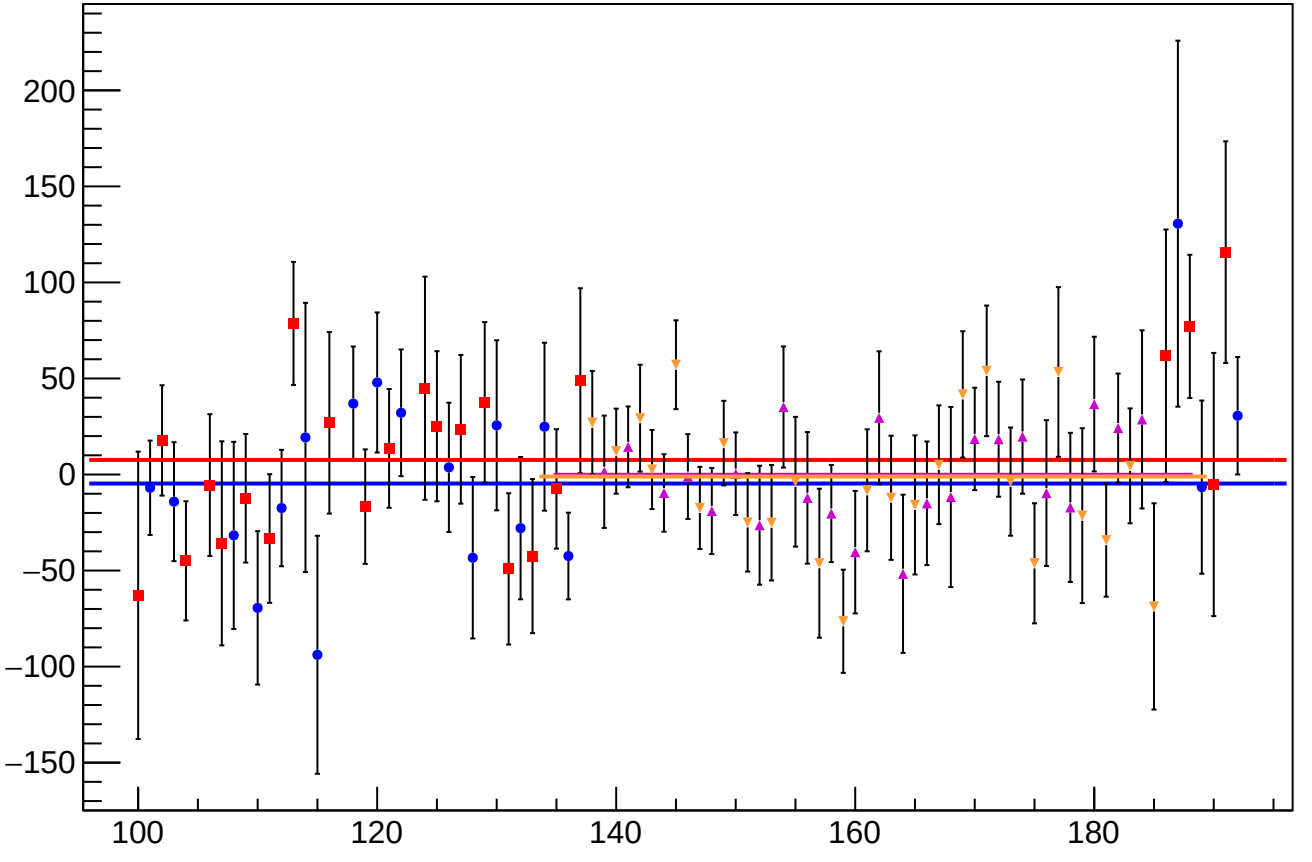
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 31025.951+/-4.227 χ^2/NDF: 2135331.7/43

All: 31256.037+/-3.021 χ^2/NDF: 4215043.3/8

- sign 31496.211+/-4.319 χ^2/NDF: 2073655.9/45

diff_bpmE_11X12X_mean vs Slug



Right In: -4.700+/-8.179 χ^2/NDF: 19.1/18

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

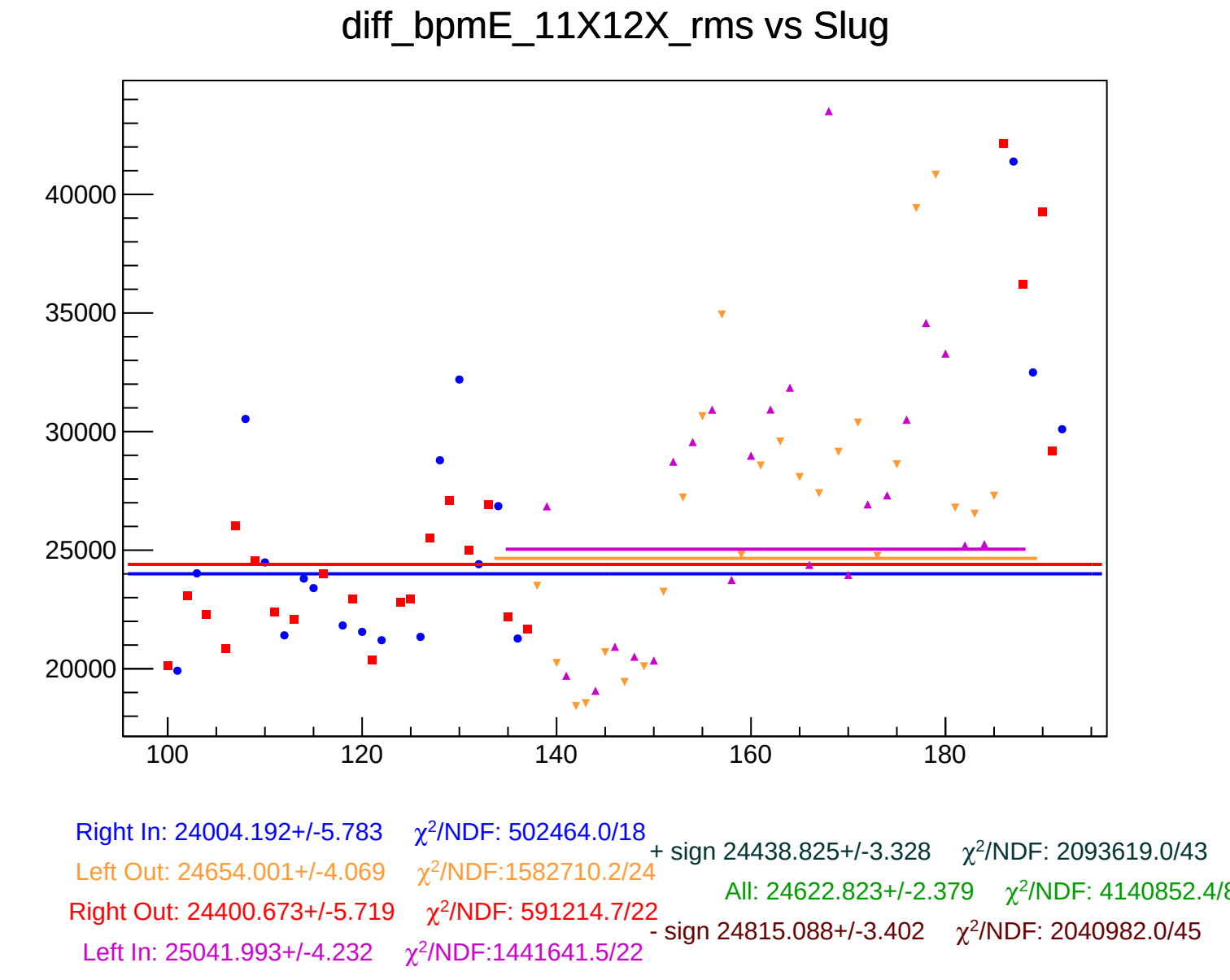
Right Out: 7.591+/-8.088 χ^2/NDF: 25.9/22

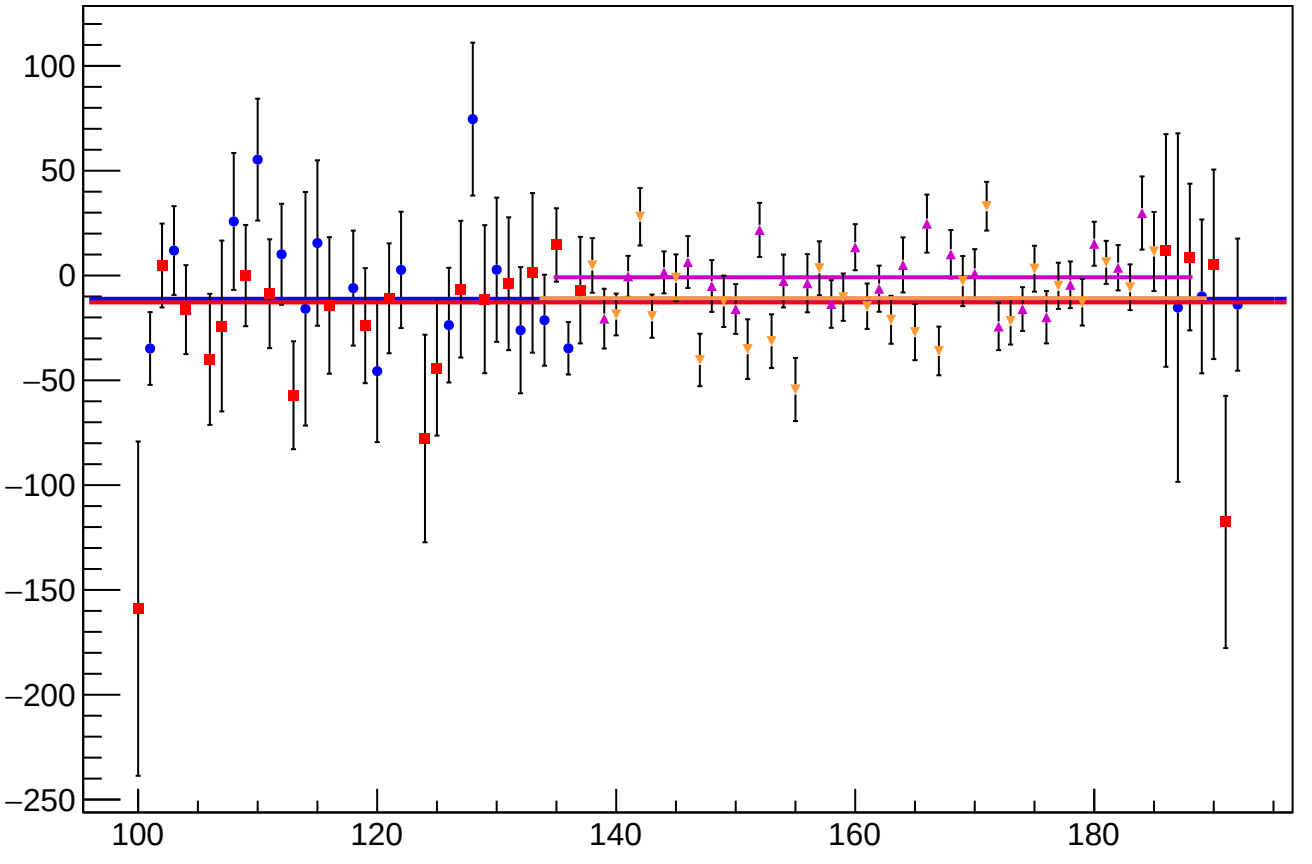
Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -2.253+/-4.706 χ^2/NDF: 51.5/43

All: 0.116+/-3.364 χ^2/NDF: 90.7/89

- sign 2.591+/-4.811 χ^2/NDF: 38.6/45


diff_bpmE_11X12X_rms vs Slug
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
+ sign 24438.825+/-3.328 χ²/NDF: 2093619.0/43
All: 24622.823+/-2.379 χ²/NDF: 4140852.4/8
- sign 24815.088+/-3.402 χ²/NDF: 2040982.0/45



Right In: -11.100+/-5.945 χ^2/NDF: 22.0/18

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

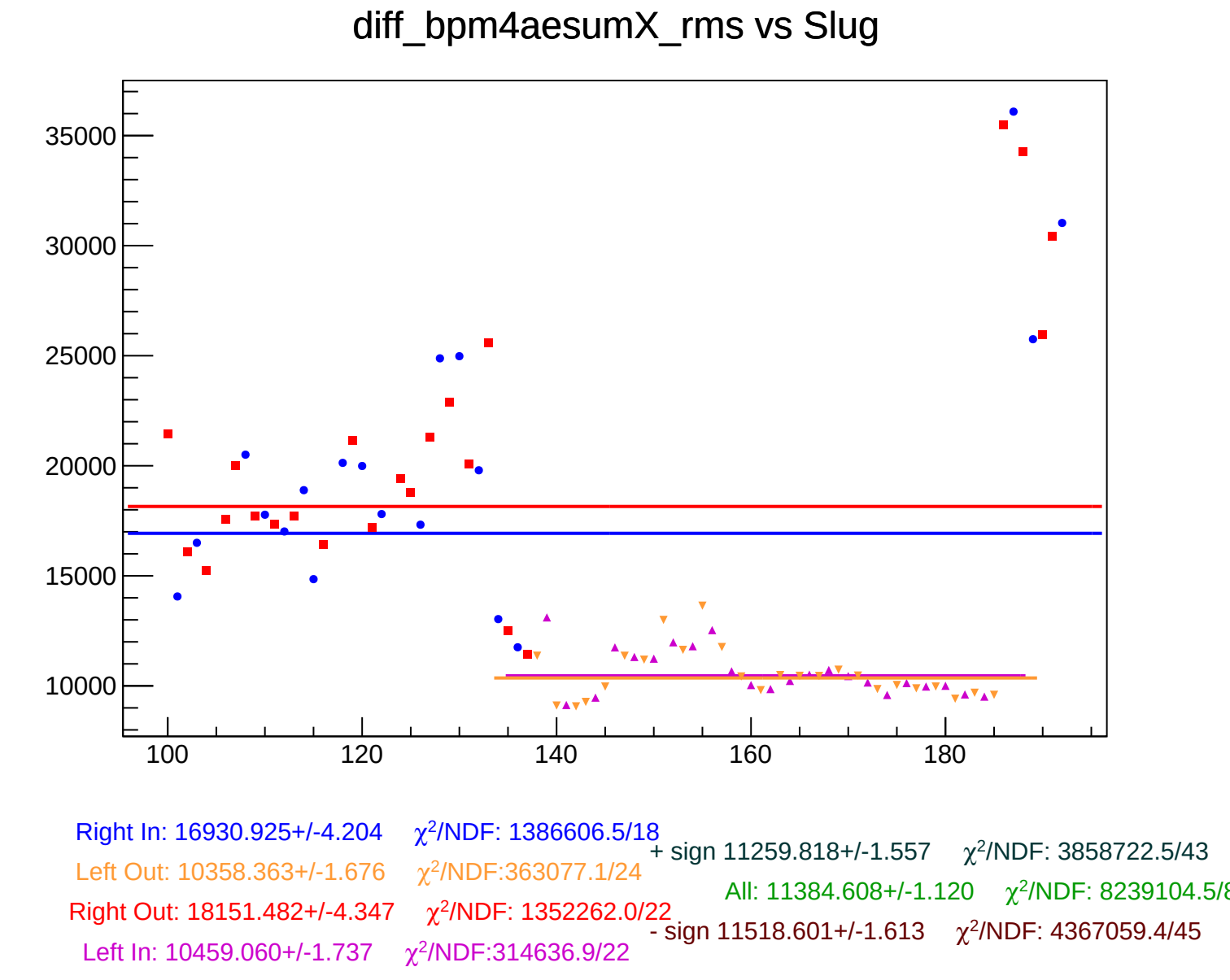
Right Out: -12.838+/-6.148 χ^2/NDF: 17.6/22

Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

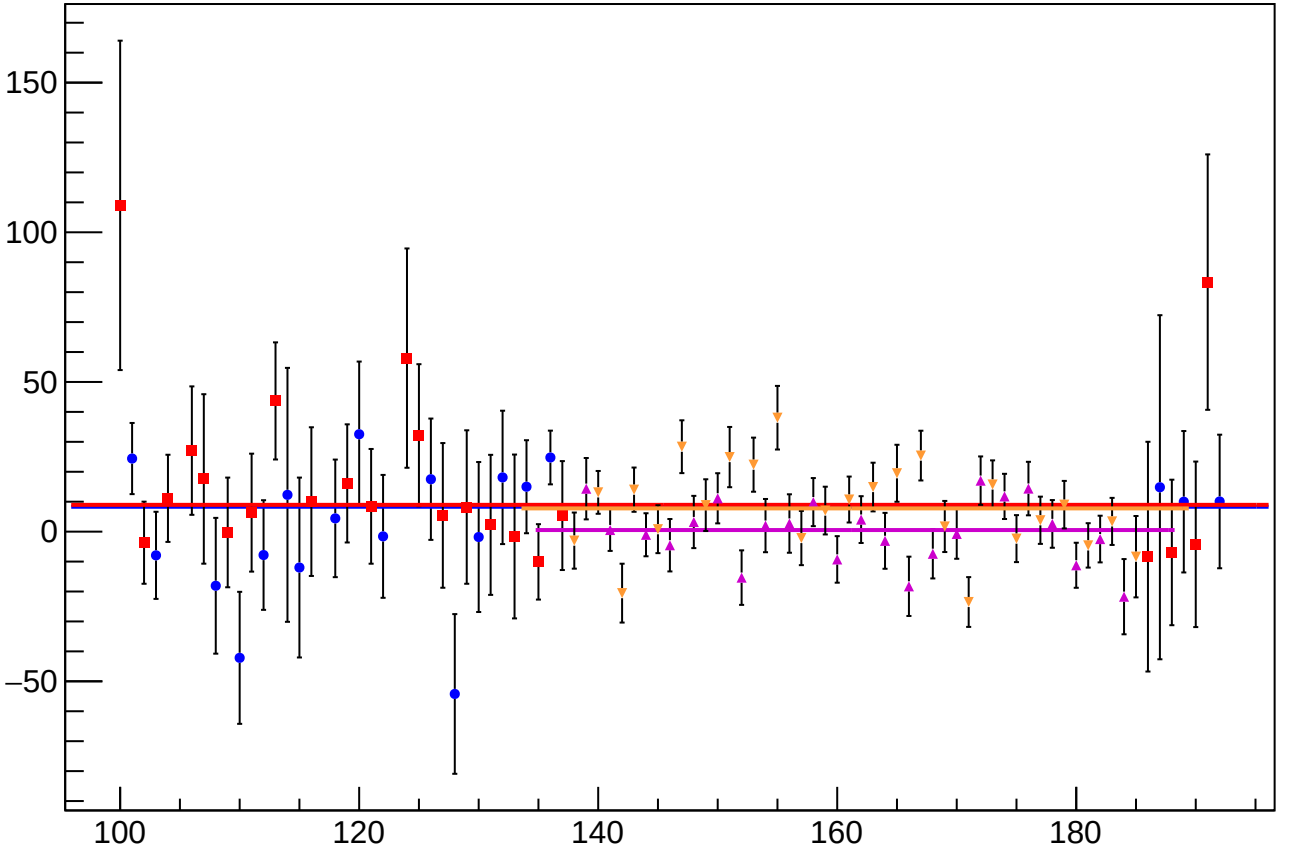
+ sign -10.860+/-2.202 χ^2/NDF: 83.3/43

All: -6.820+/-1.584 χ^2/NDF: 140.6/89

- sign -2.481+/-2.282 χ^2/NDF: 50.3/45


diff_bpm4aesumX_rms vs Slug
35000
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 16930.925+/-4.204 χ²/NDF: 1386606.5/18
Left Out: 10358.363+/-1.676 χ²/NDF:363077.1/24
Right Out: 18151.482+/-4.347 χ²/NDF: 1352262.0/22
Left In: 10459.060+/-1.737 χ²/NDF:314636.9/22
+ sign 11259.818+/-1.557 χ²/NDF: 3858722.5/43
All: 11384.608+/-1.120 χ²/NDF: 8239104.5/8
- sign 11518.601+/-1.613 χ²/NDF: 4367059.4/45

diff_bpm4aediffX_mean vs Slug



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

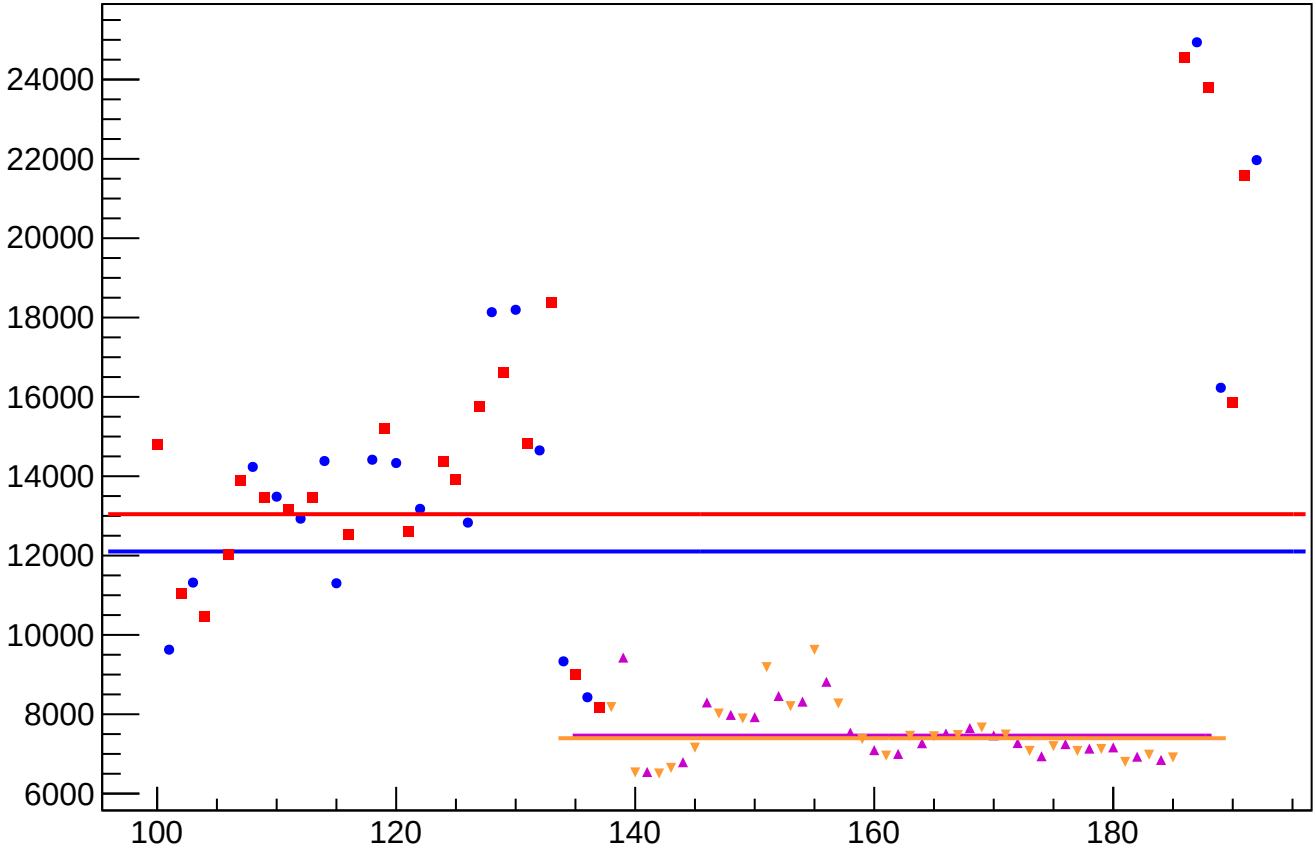
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 7.839+/-1.572 χ^2/NDF: 82.8/43

All: 4.867+/-1.131 χ^2/NDF: 140.5/89

- sign 1.678+/-1.628 χ^2/NDF: 50.4/45

diff_bpm4aediffX_rms vs Slug



Right In: 12103.334+/-3.009 χ^2/NDF: 1379677.0/18

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

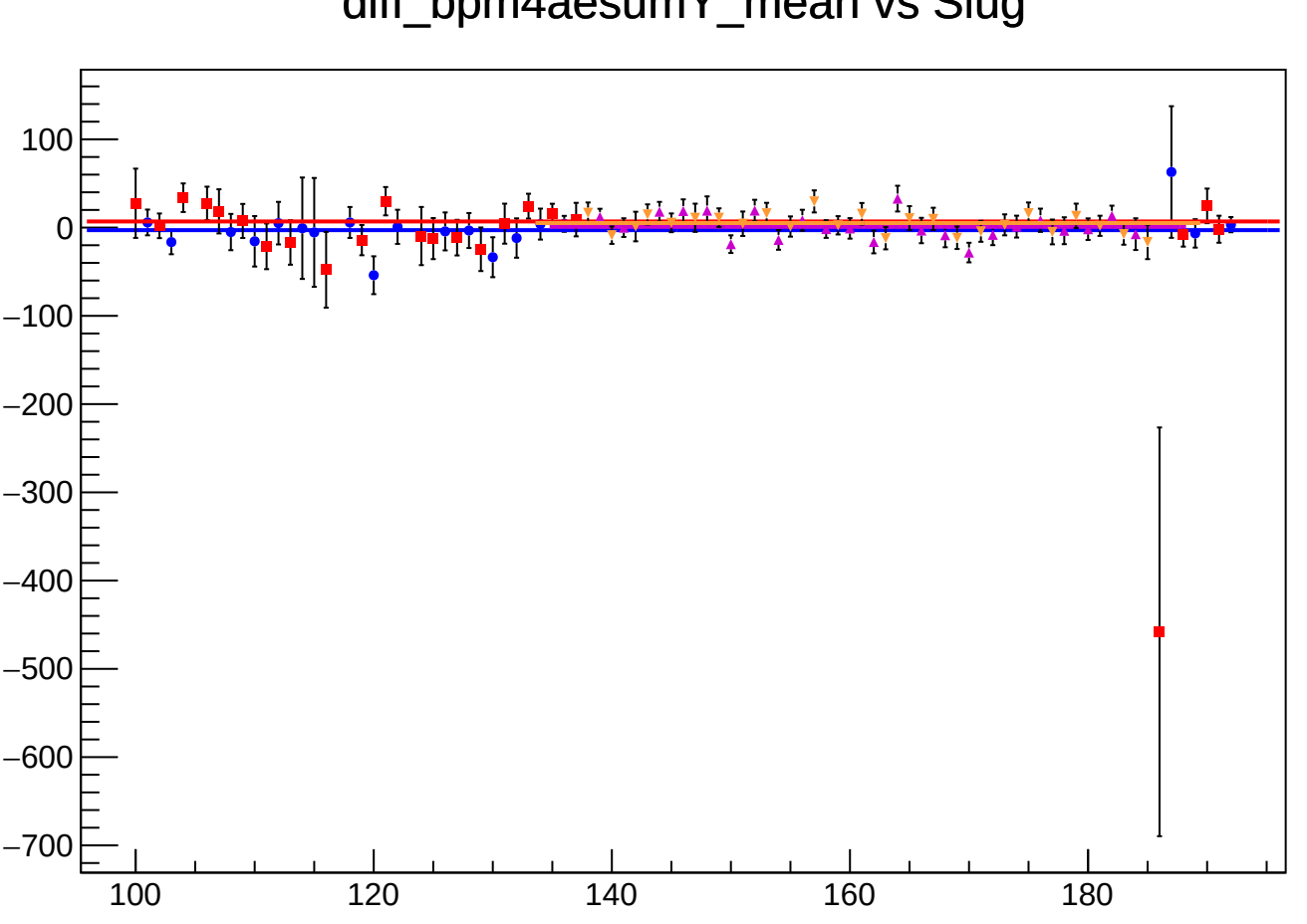
Right Out: 13042.812+/-3.121 χ^2/NDF: 1322005.1/22

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8037.996+/-1.111 χ^2/NDF: 3817950.3/43

All: 8126.130+/-0.800 χ^2/NDF: 8200922.0/89

- sign 8220.714+/-1.151 χ^2/NDF: 4369935.9/45



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

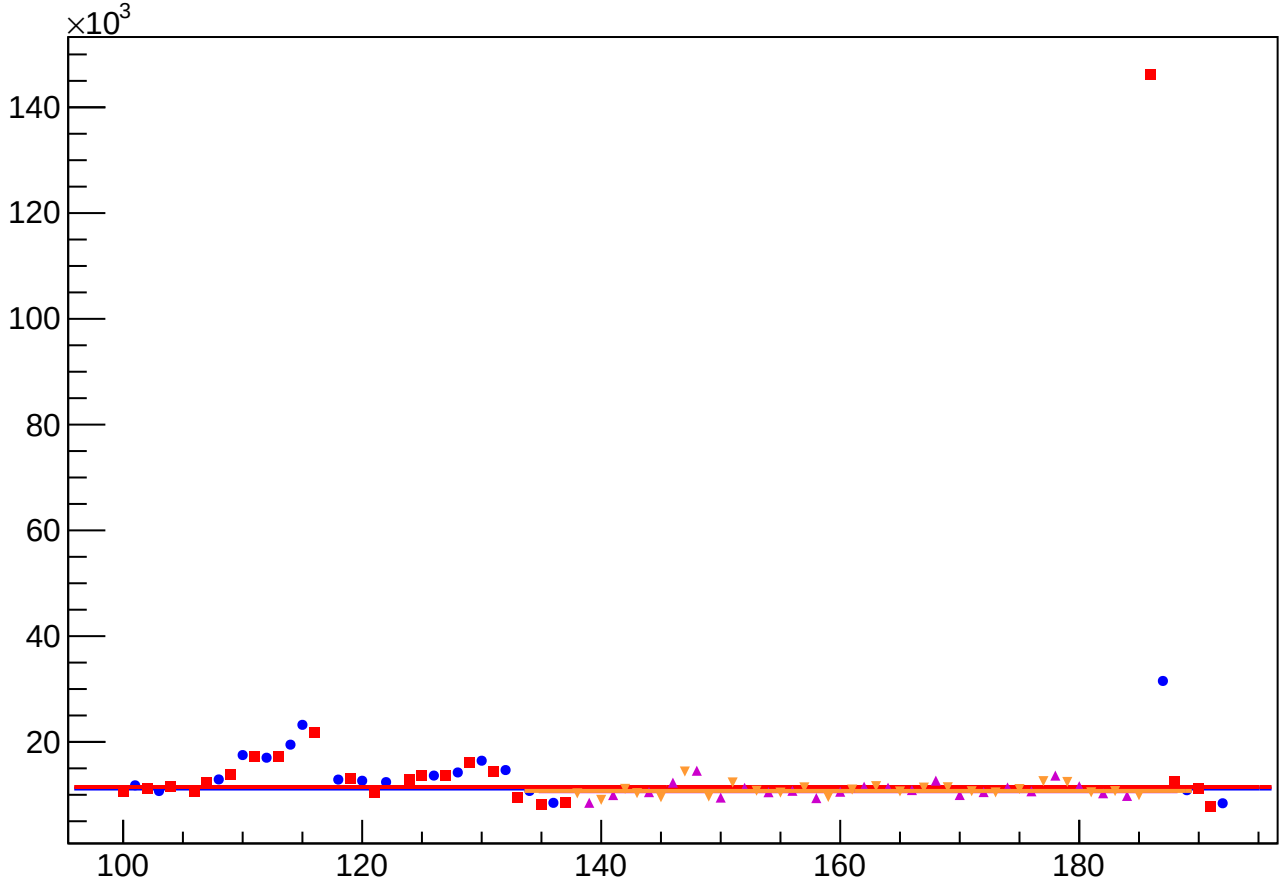
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 2.883+/-2.080 χ^2/NDF: 33.2/43

All: 2.767+/-1.486 χ^2/NDF: 90.4/89

- sign 2.645+/-2.123 χ^2/NDF: 57.2/45

diff_bpm4aesumY_rms vs Slug



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

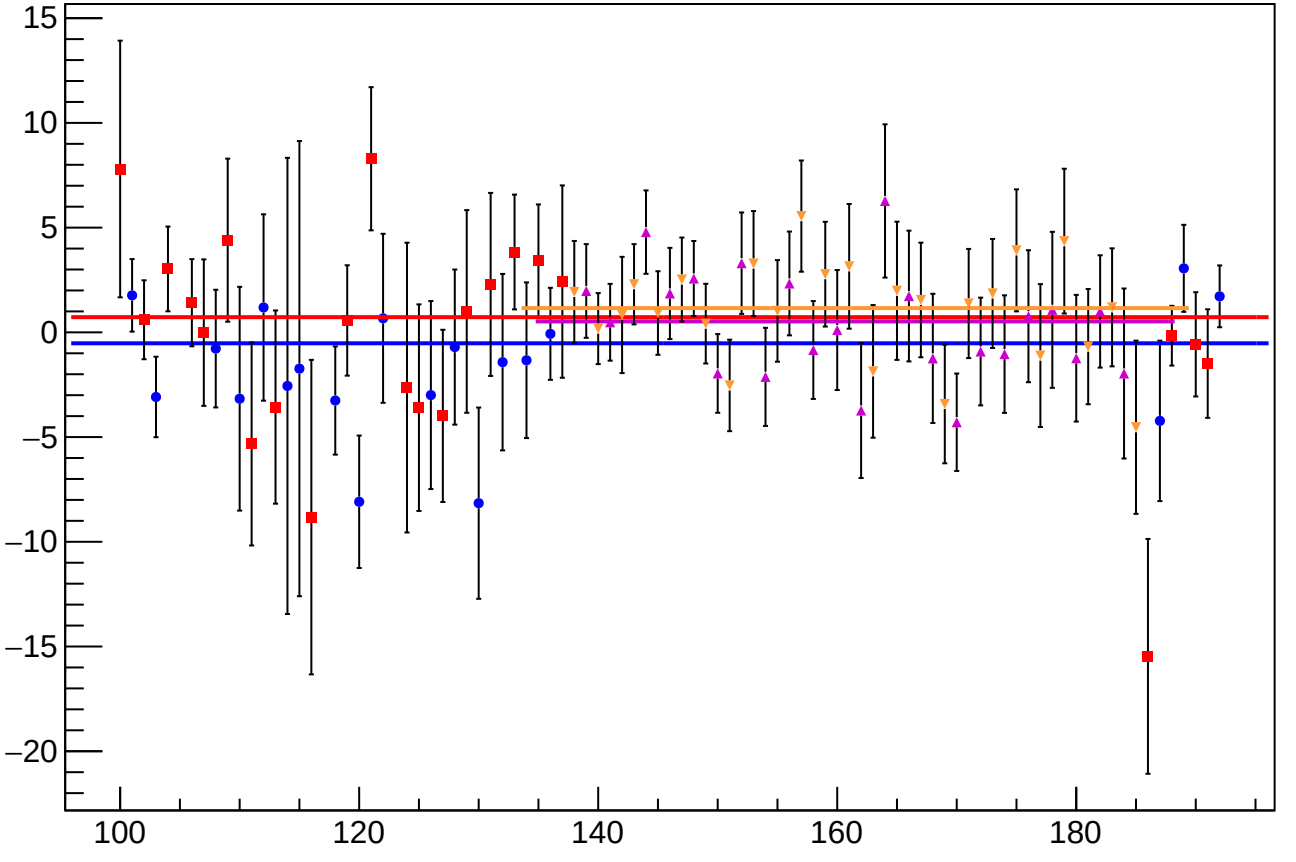
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10862.418+/-1.471 χ^2/NDF: 1548204.9/43

All: 10884.824+/-1.051 χ^2/NDF: 3709158.9/8

- sign 10908.170+/-1.501 χ^2/NDF: 2160480.0/45

diff_bpm4aediffY_mean vs Slug



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

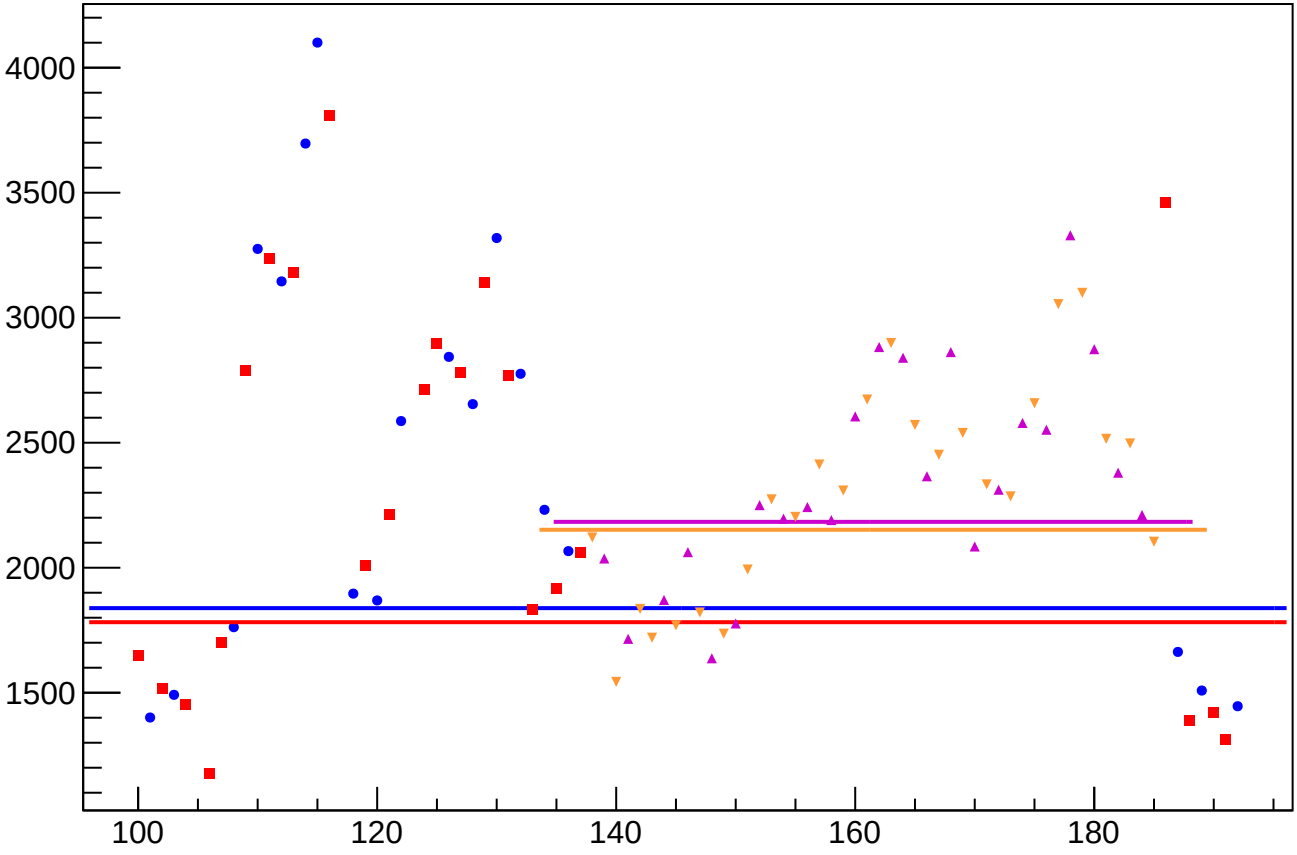
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.526+/-0.395 χ^2/NDF: 41.4/43

All: 0.566+/-0.280 χ^2/NDF: 91.1/89

- sign 0.606+/-0.397 χ^2/NDF: 49.6/45

diff_bpm4aediffY_rms vs Slug



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

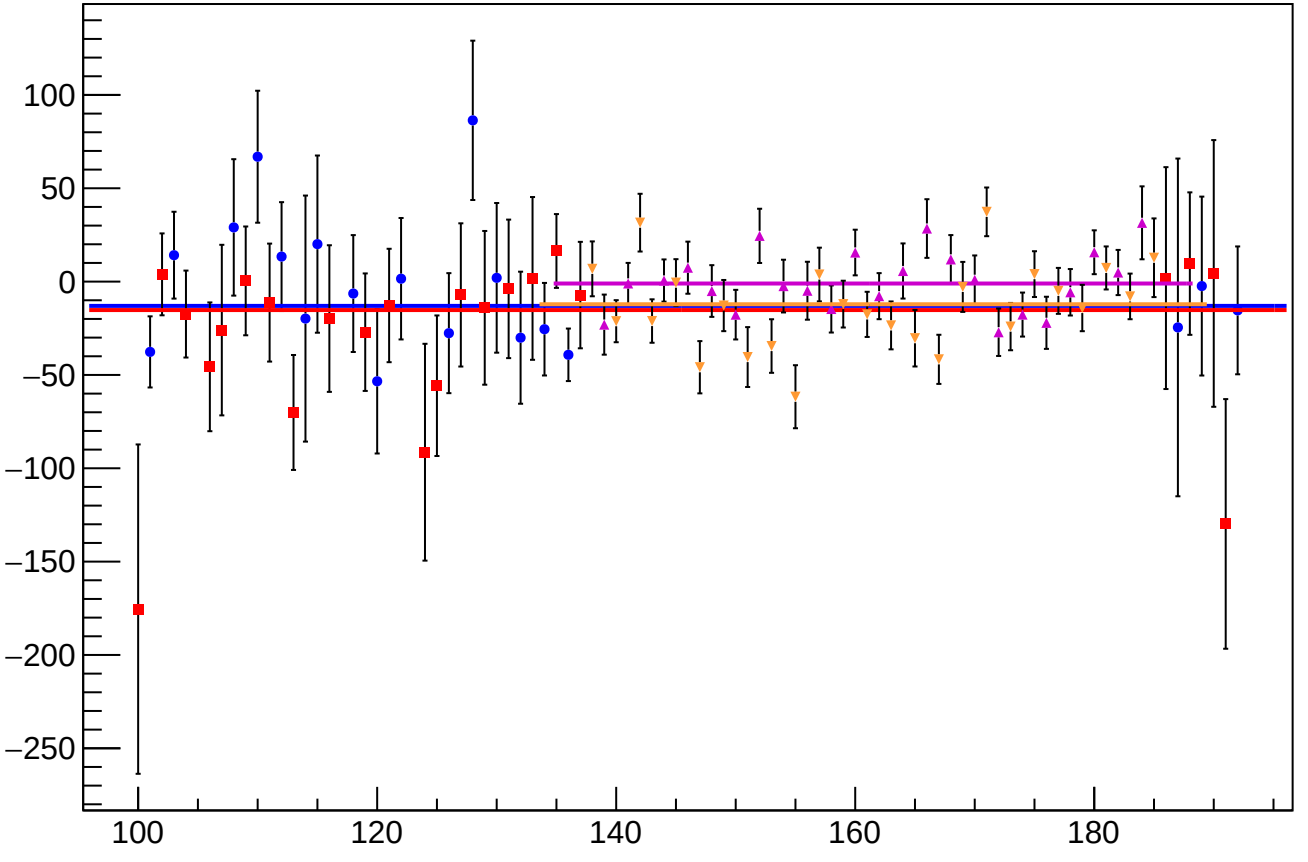
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 2033.890+/-0.279 χ^2/NDF: 3117903.9/43

All: 2025.220+/-0.198 χ^2/NDF: 6699433.2/89

- sign 2016.453+/-0.281 χ^2/NDF: 3579591.6/45

diff_bpmtargetsumX_mean vs Slug



Right In: -13.008+/-6.794 χ^2/NDF: 21.9/18

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

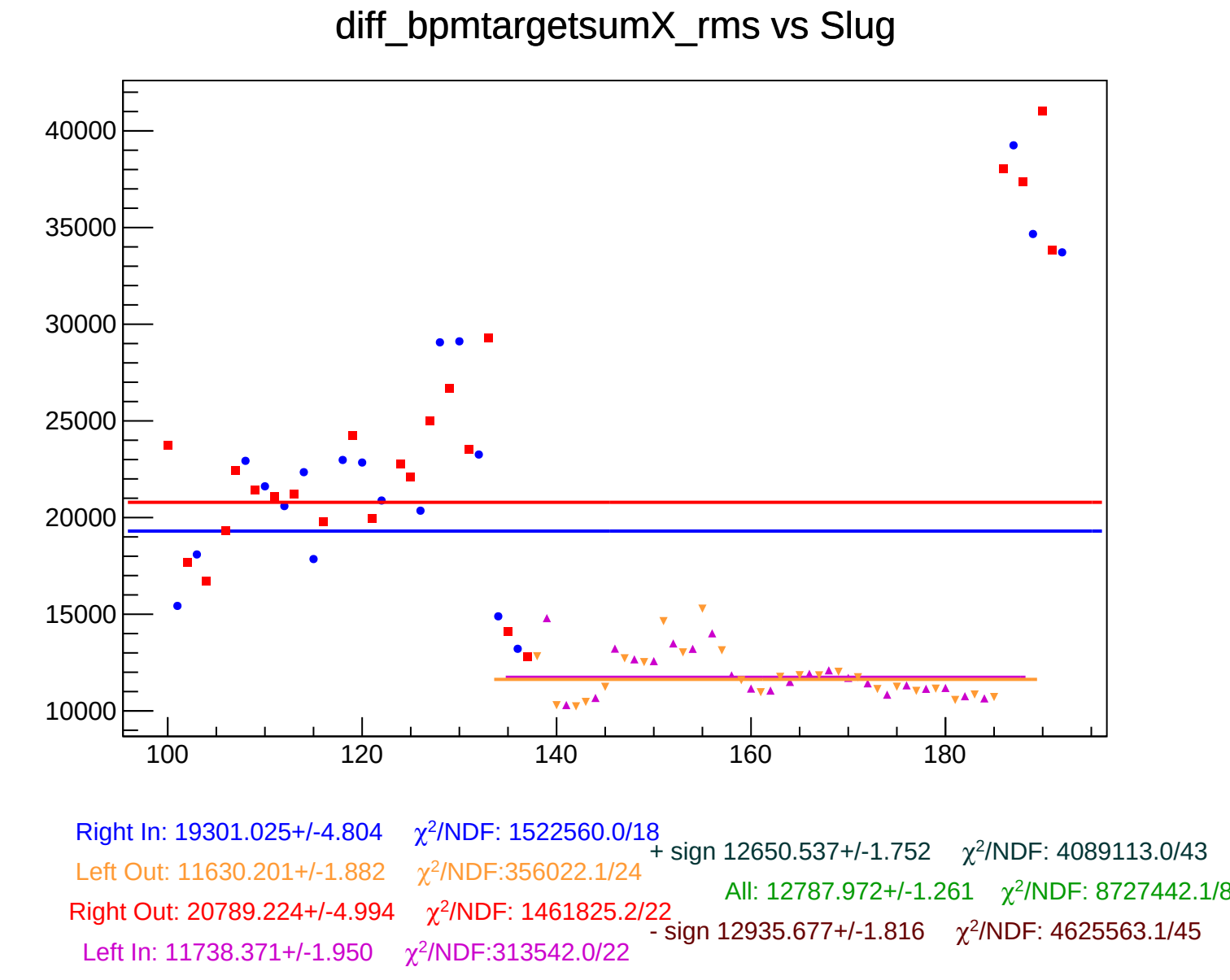
Right Out: -15.244+/-7.062 χ^2/NDF: 17.9/22

Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

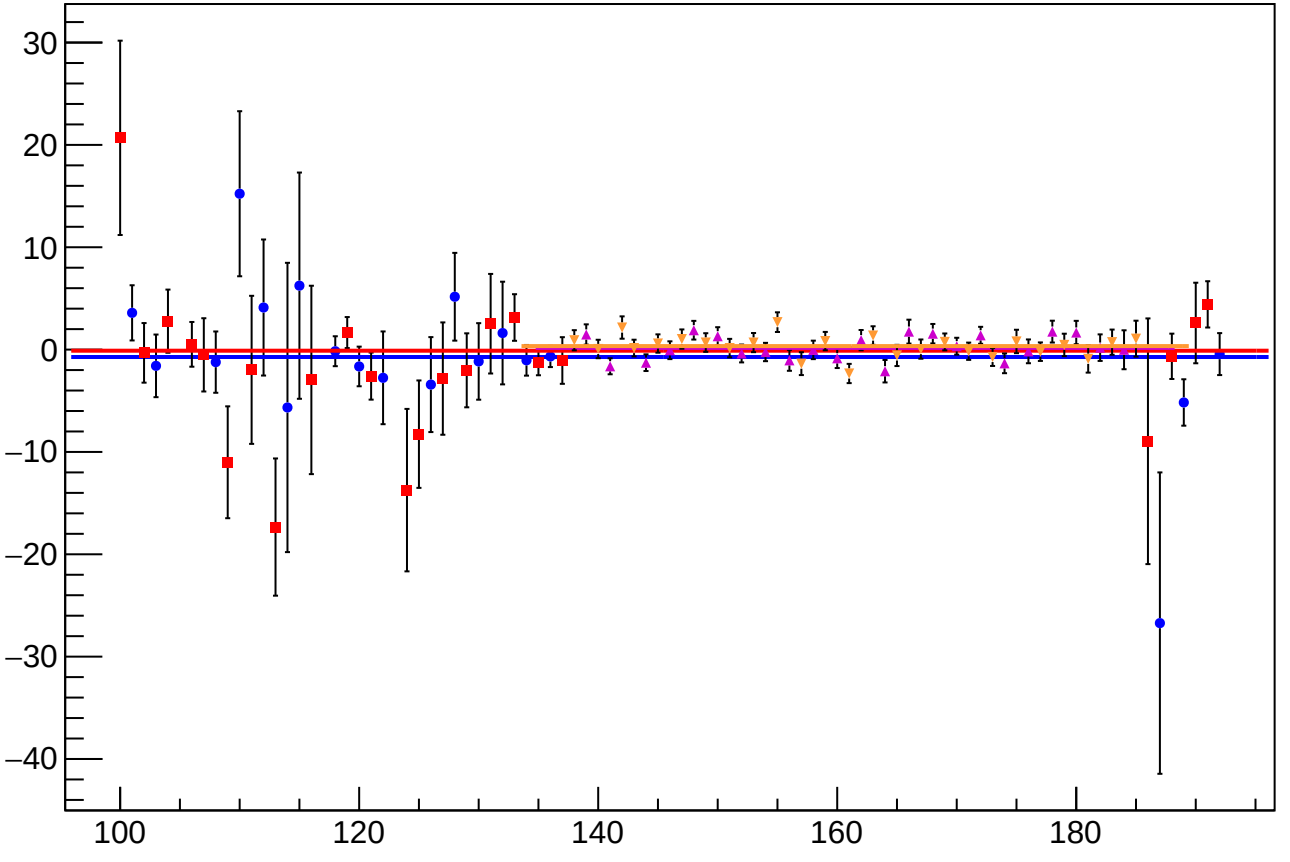
+ sign -12.251+/-2.478 χ^2/NDF: 84.6/43

All: -7.746+/-1.783 χ^2/NDF: 141.6/89

- sign -2.905+/-2.569 χ^2/NDF: 50.2/45


diff_bpmtargetsumX_rms vs Slug
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 19301.025+/-4.804 χ²/NDF: 1522560.0/18
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 20789.224+/-4.994 χ²/NDF: 1461825.2/22
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
+ sign 12650.537+/-1.752 χ²/NDF: 4089113.0/43
All: 12787.972+/-1.261 χ²/NDF: 8727442.1/8
- sign 12935.677+/-1.816 χ²/NDF: 4625563.1/45

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.725+/-0.558 χ^2/NDF: 17.7/18

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

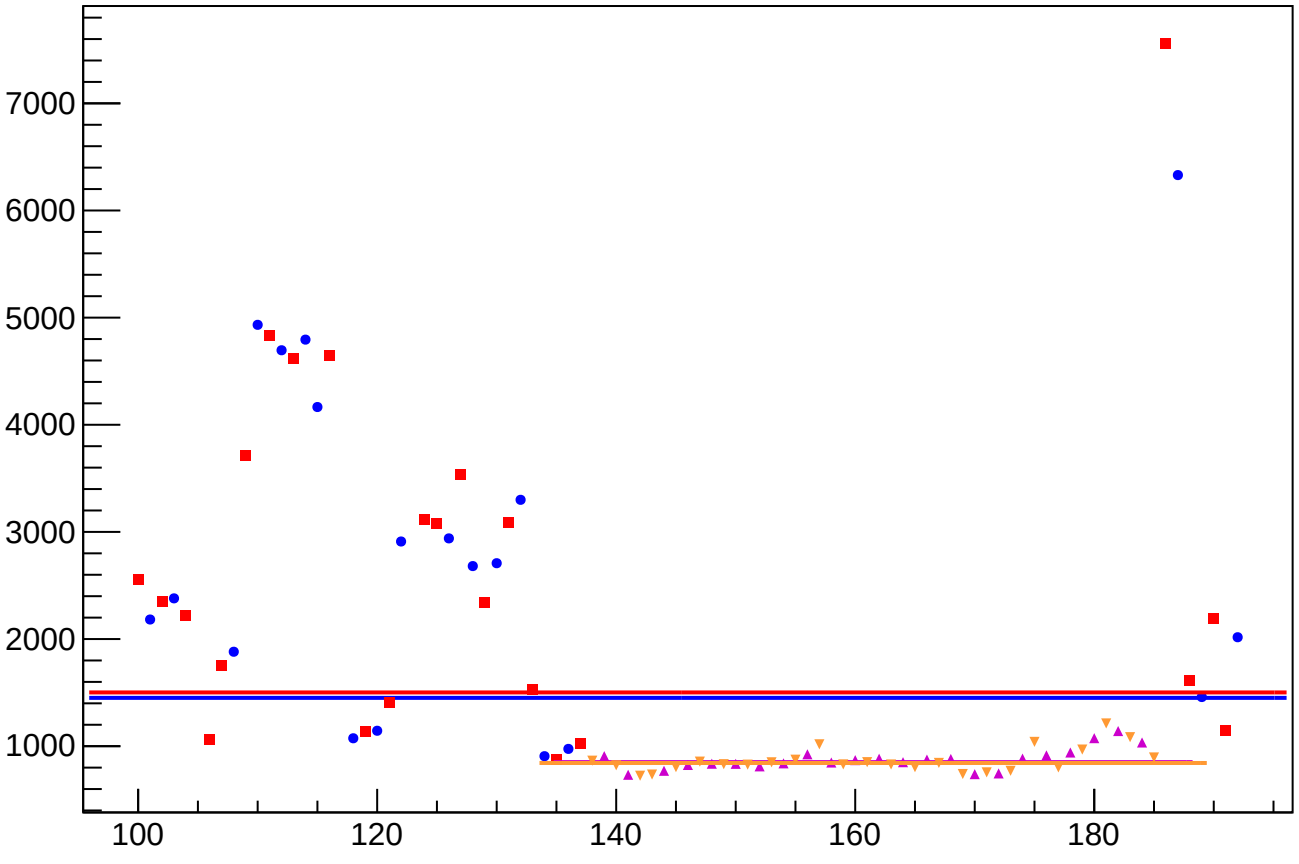
Right Out: -0.108+/-0.581 χ^2/NDF: 33.4/22

Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.228+/-0.183 χ^2/NDF: 47.7/43

All: 0.184+/-0.132 χ^2/NDF: 117.8/89

- sign 0.136+/-0.190 χ^2/NDF: 70.0/45



Right In: 1451.060+/-0.394 χ^2/NDF: 3771218.9/18

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

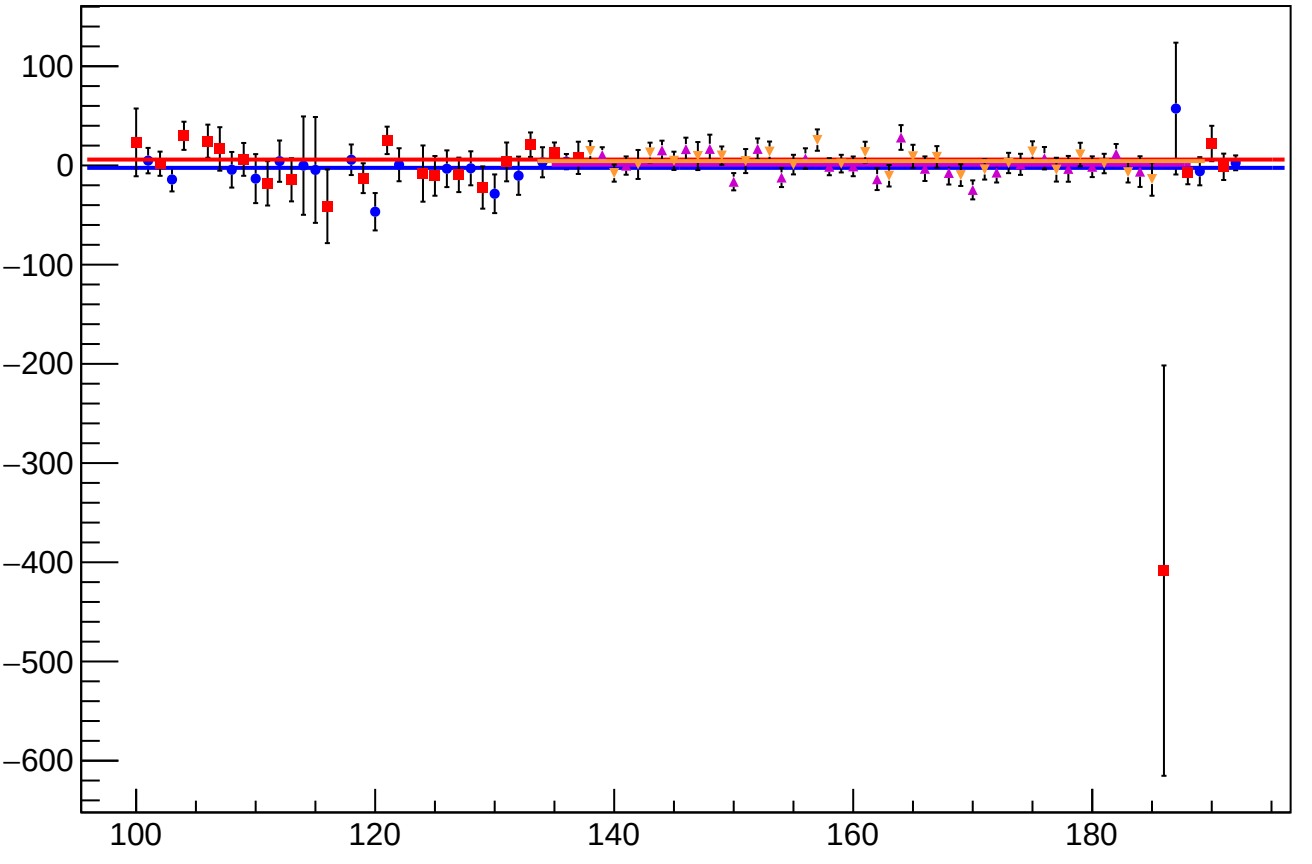
Right Out: 1501.687+/-0.411 χ^2/NDF: 4025121.9/22

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 908.702+/-0.129 χ^2/NDF: 6395105.4/43

All: 914.608+/-0.093 χ^2/NDF: 13041592.0/89

- sign 920.962+/-0.134 χ^2/NDF: 6642163.9/45



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

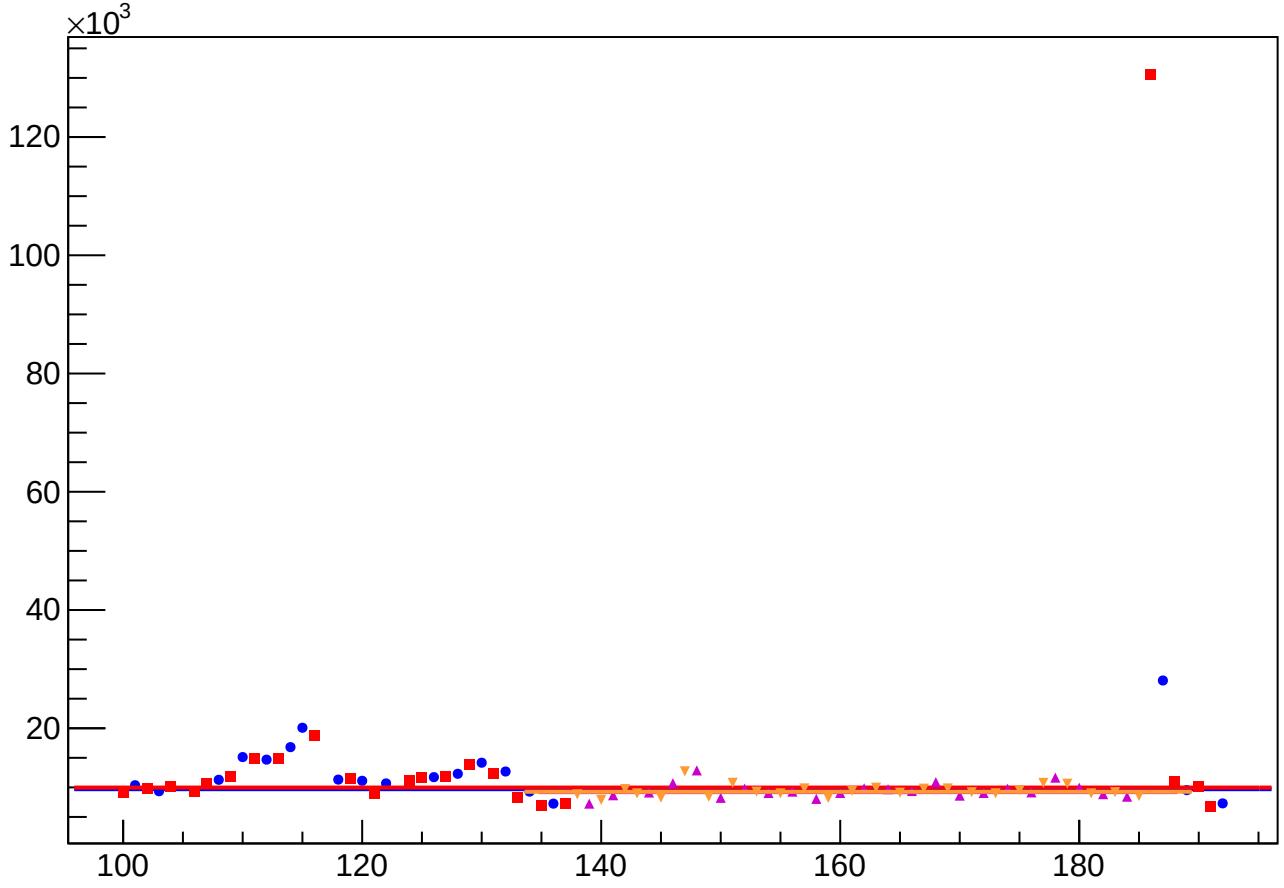
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 2.457+/-1.797 χ^2/NDF: 33.0/43

All: 2.341+/-1.284 χ^2/NDF: 90.4/89

- sign 2.219+/-1.835 χ^2/NDF: 57.4/45

diff_bpmtargetsumY_rms vs Slug



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

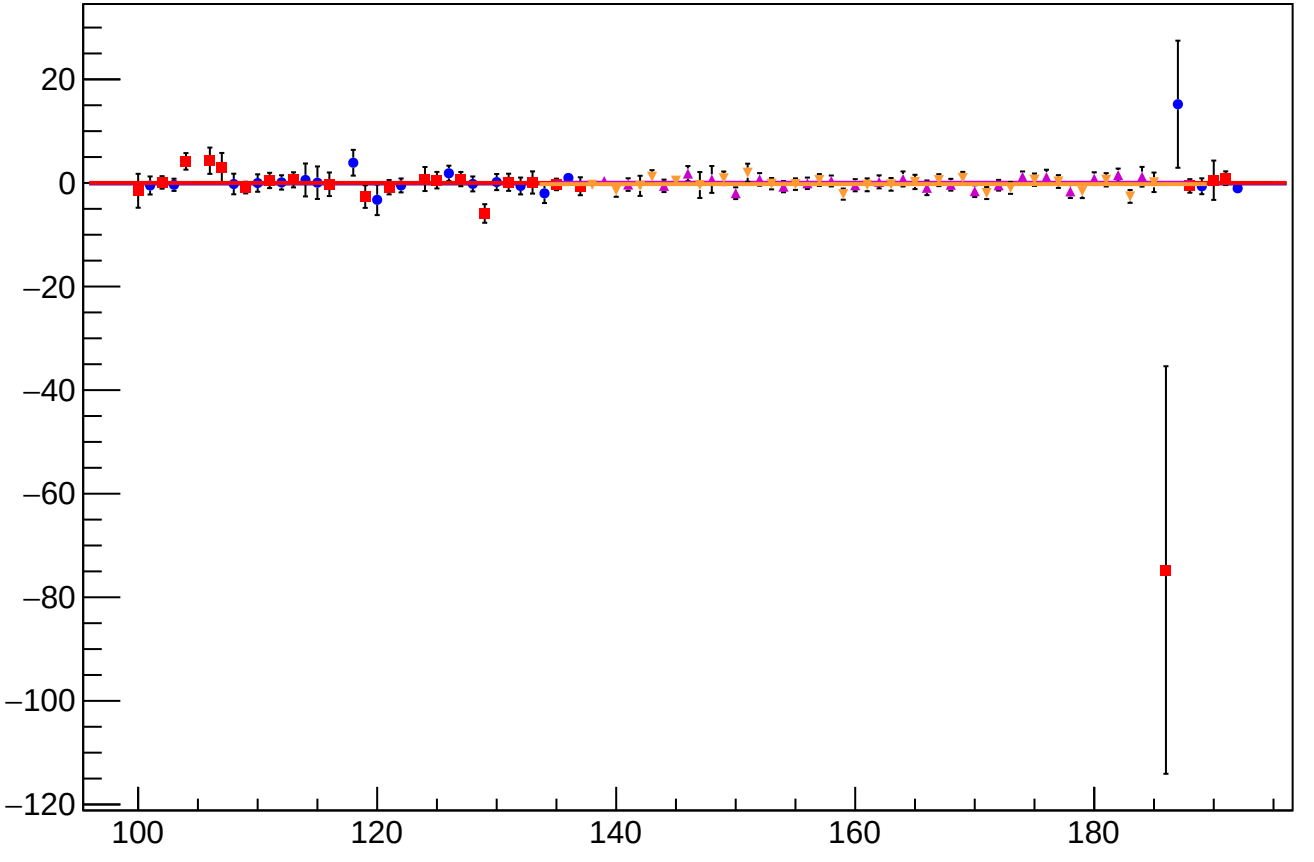
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9383.769+/-1.271 χ^2/NDF: 1568551.9/43

All: 9401.432+/-0.908 χ^2/NDF: 3764413.4/89

- sign 9419.835+/-1.297 χ^2/NDF: 2195467.1/45

diff_bpmtargetdiffY_mean vs Slug



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

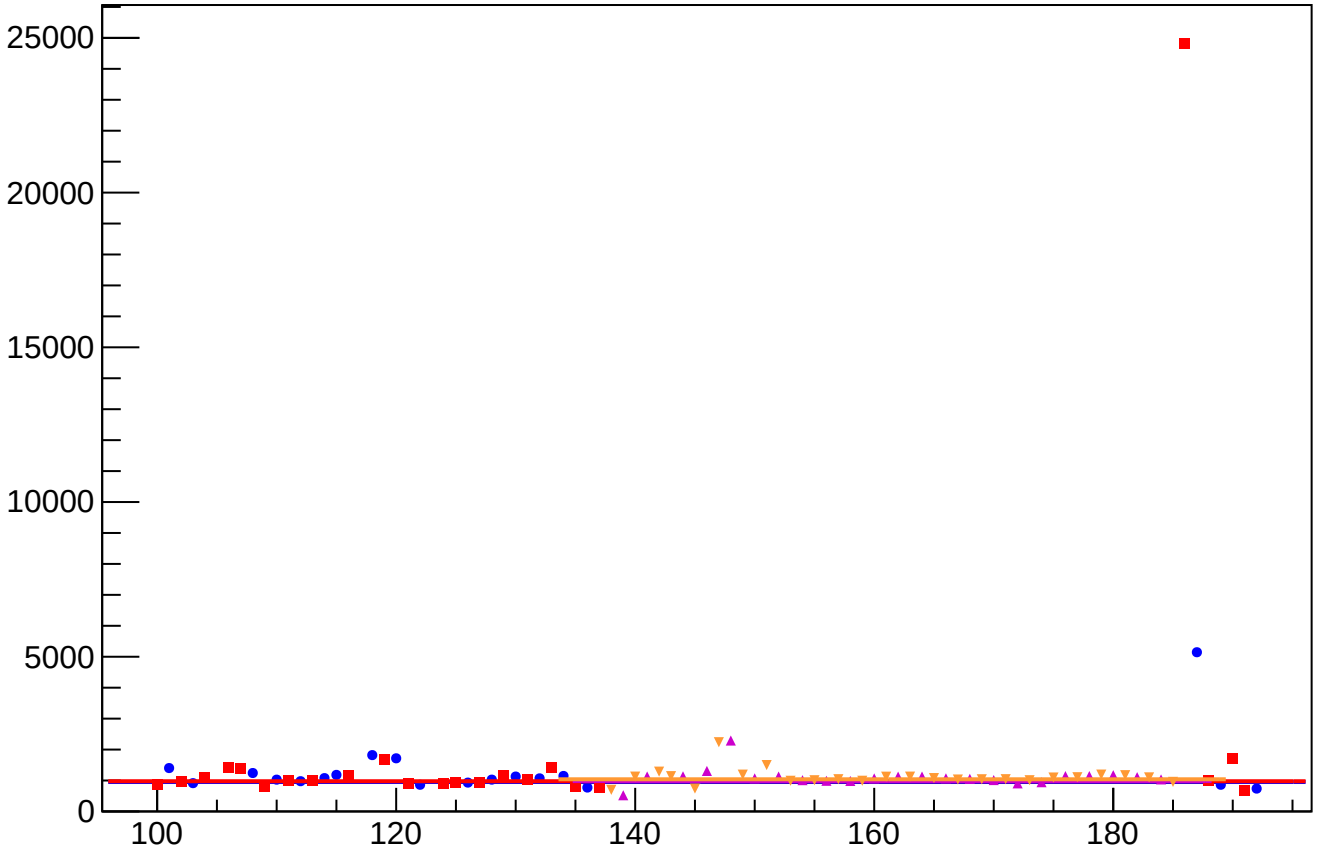
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.185+/-0.197 χ^2/NDF: 30.9/43

All: -0.083+/-0.139 χ^2/NDF: 76.1/89

- sign 0.018+/-0.196 χ^2/NDF: 44.7/45

diff_bpmtargetdiffY_rms vs Slug



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

+ sign 1009.087+/-0.139 χ^2/NDF: 2574083.1/43

All: 994.522+/-0.098 χ^2/NDF: 6318617.2/89

- sign 980.042+/-0.139 χ^2/NDF: 3722721.7/45

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

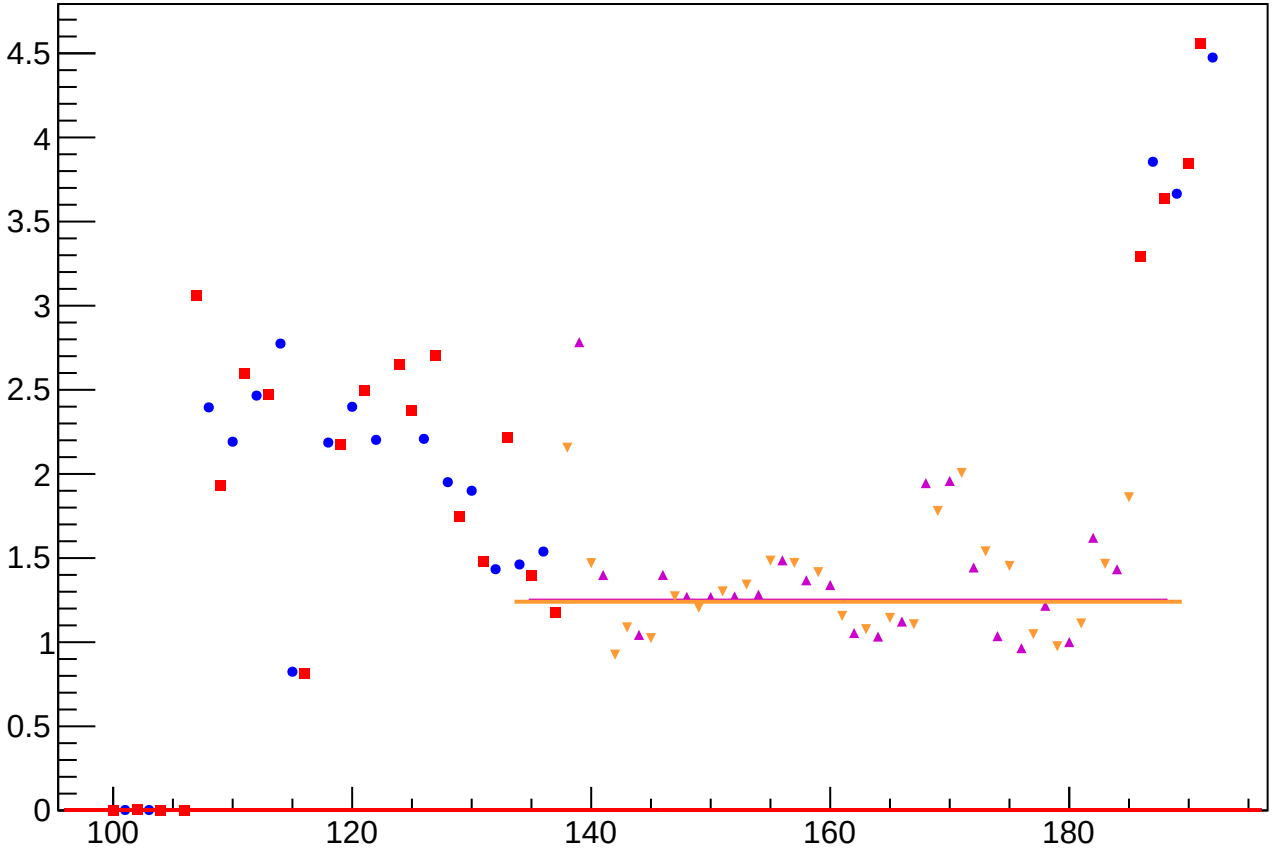
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.328+/-0.000 χ^2/NDF: 324421992856.5/4

All: 131.810+/-0.000 χ^2/NDF: 79349363993

- sign 125.385+/-0.000 χ^2/NDF: 774390166702161

yield_cav4bX_rms vs Slug



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

+ sign 0.003+/-0.000 χ^2/NDF: 44135316.6/43

All: 0.003+/-0.000 χ^2/NDF: 87380225.7/89

- sign 0.003+/-0.000 χ^2/NDF: 43244532.9/45

Right In: 140.142+/-0.000 χ^2/NDF: 236985576130.5/18

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.224+/-0.000 χ^2/NDF: 1257417804279006.2/22

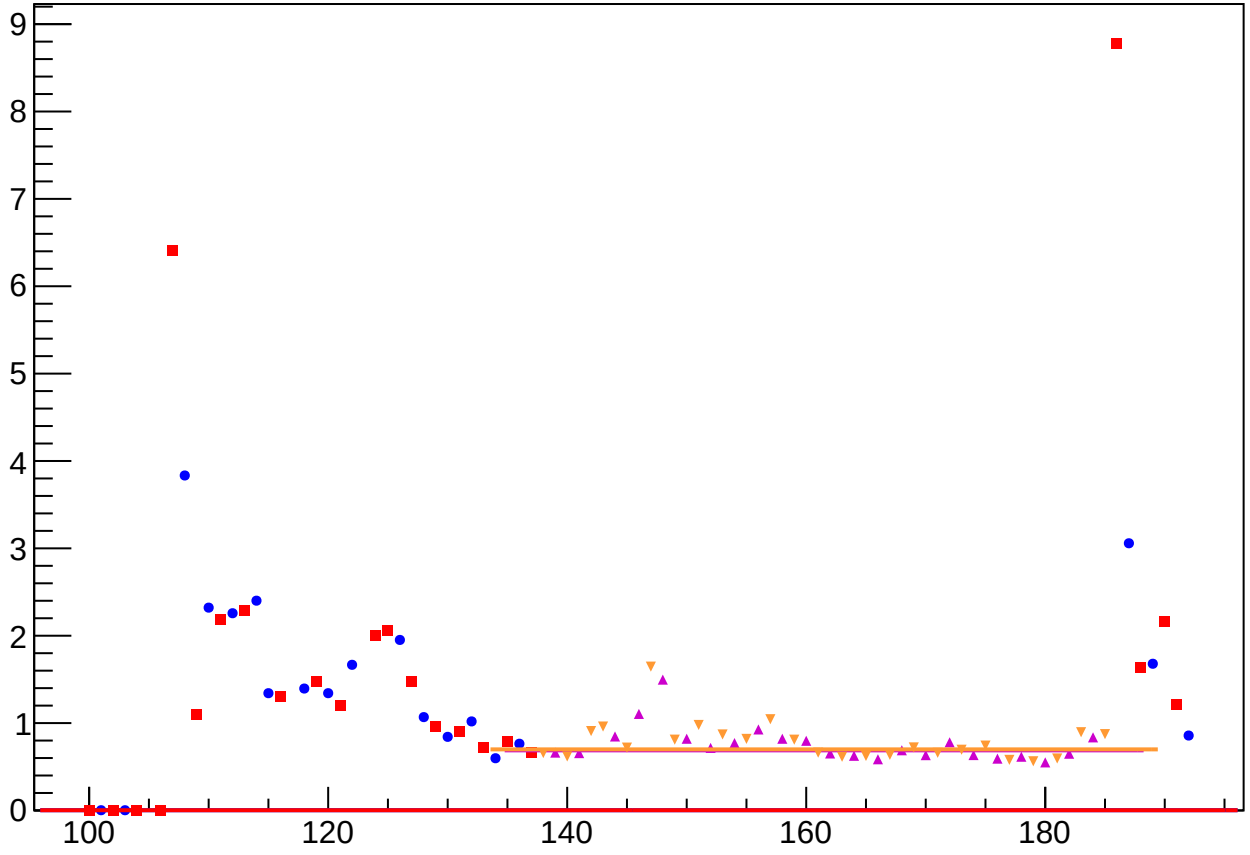
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.106+/-0.000 χ^2/NDF: 1534159333242.4

All: 120.800+/-0.000 χ^2/NDF: 13830536911

- sign 104.198+/-0.000 χ^2/NDF: 125827486464400

yield_cav4bY_rms vs Slug



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

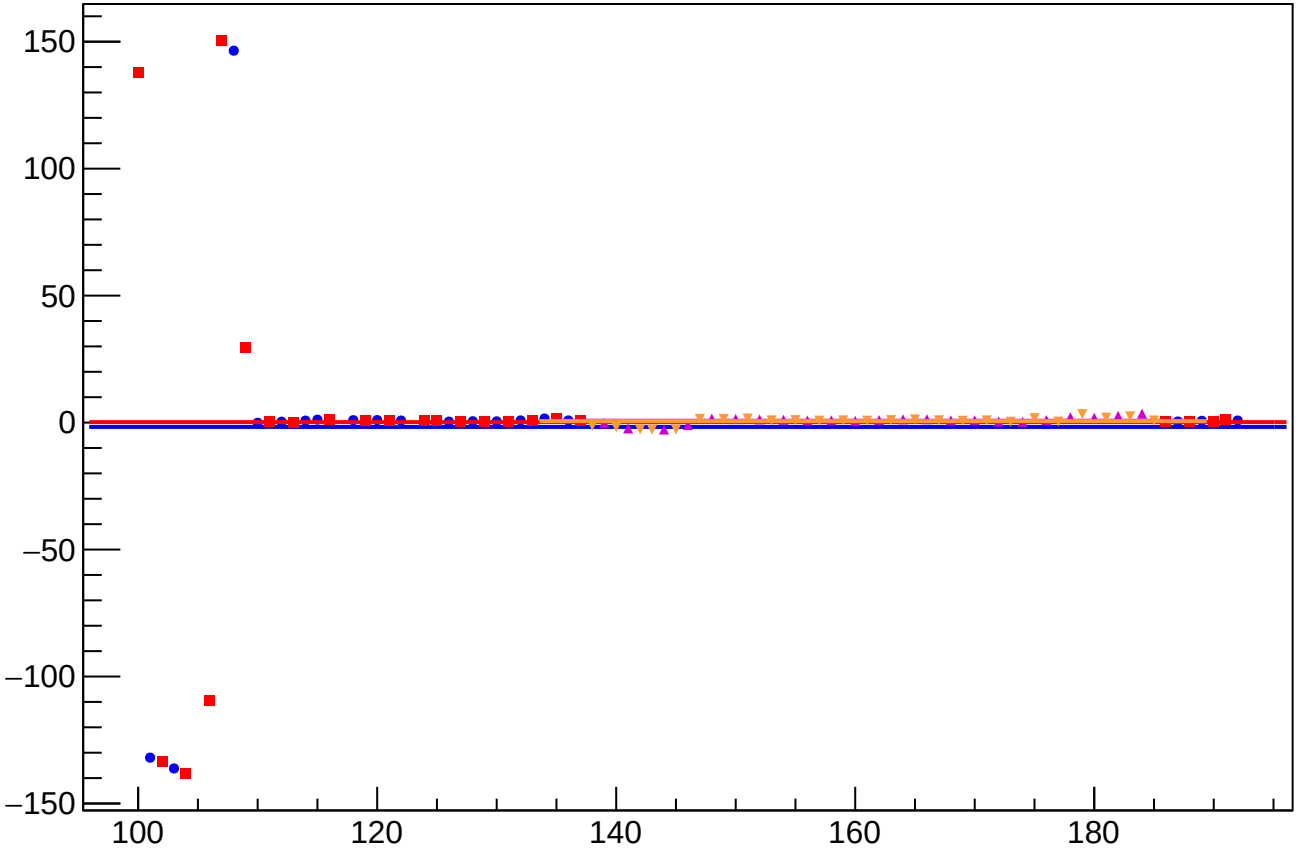
Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 46339603.9/43

All: 0.003+/-0.000 χ^2/NDF: 91424718.8/89

- sign 0.003+/-0.000 χ^2/NDF: 45084501.3/45

yield_cav4cX_mean vs Slug



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

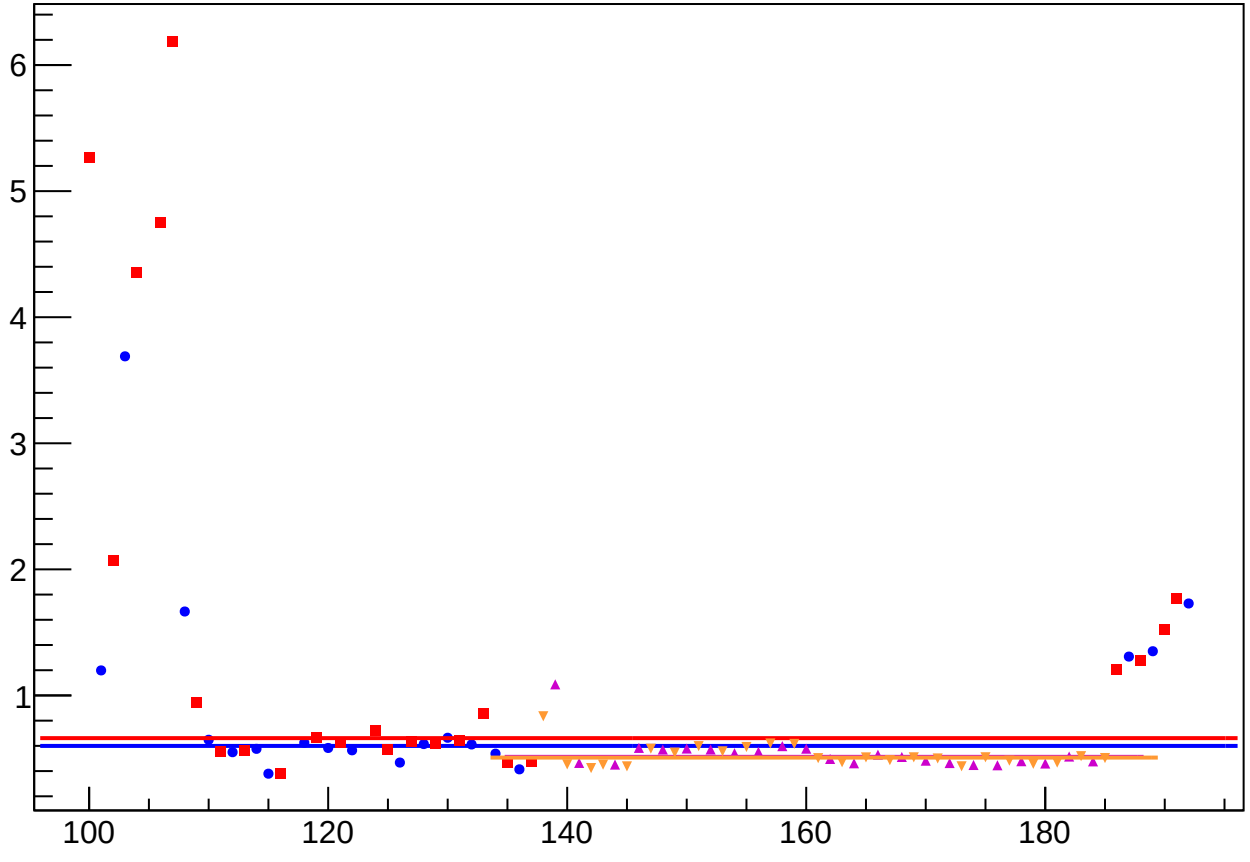
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.079+/-0.000 χ^2/NDF: 10114833942.1/43

All: 0.336+/-0.000 χ^2/NDF: 13845582247.3/8

- sign 0.620+/-0.000 χ^2/NDF: 3719948825.8/45

yield_cav4cX_rms vs Slug



Right In: 0.600+/-0.000 χ^2/NDF: 2883240.9/18

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

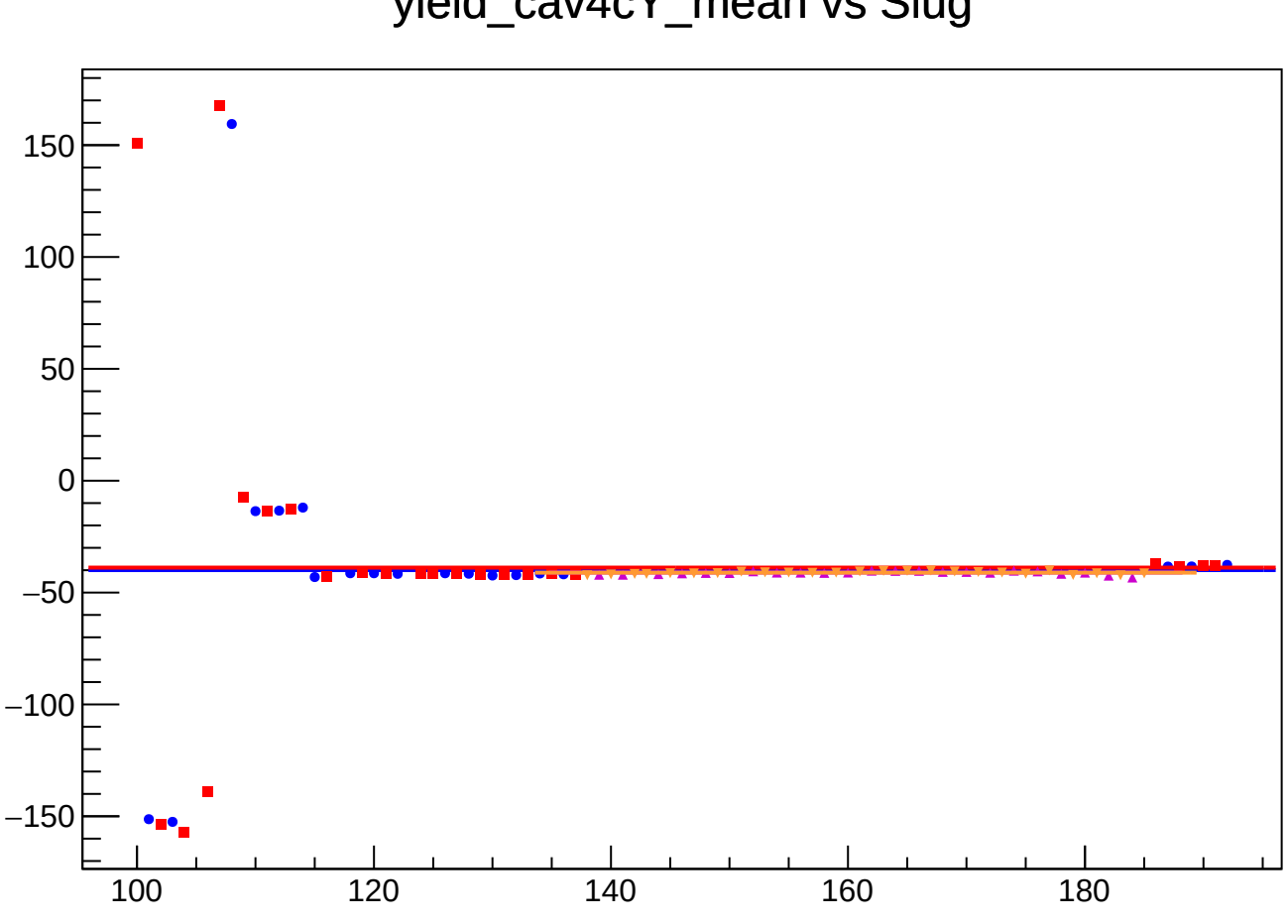
Right Out: 0.661+/-0.000 χ^2/NDF: 3532492.0/22

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

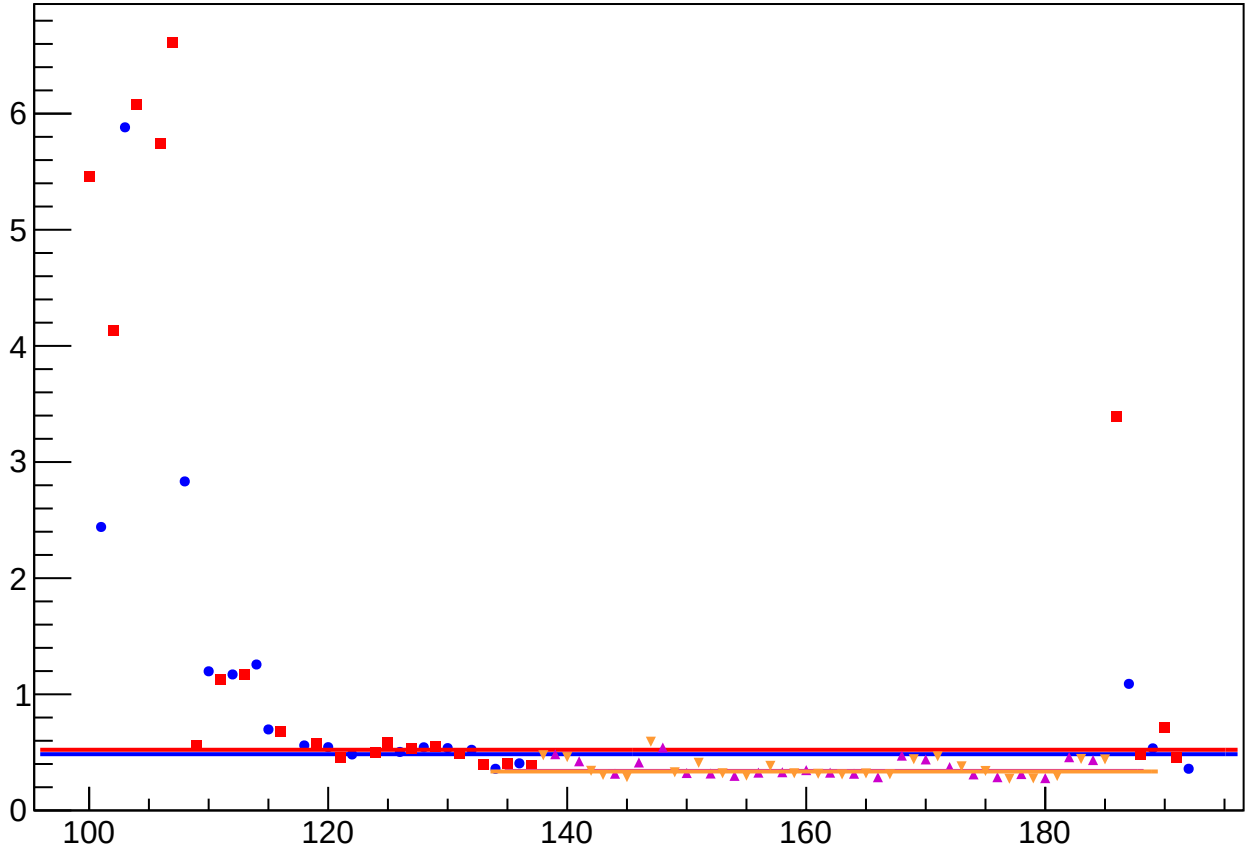
+ sign 0.527+/-0.000 χ^2/NDF: 3663689.1/43

All: 0.535+/-0.000 χ^2/NDF: 8474925.0/89

- sign 0.543+/-0.000 χ^2/NDF: 4791990.3/45


yield_cav4cY_mean vs Slug
150
100
50
0
−50
−100
−150
100
120
140
160
180
Right In: -39.955+/-0.000 χ²/NDF: 3511506052.2/18
Left Out: -41.092+/-0.000 χ²/NDF:60251030.2/24
Right Out: -38.844+/-0.000 χ²/NDF: 2485272363.6/22
Left In: -41.029+/-0.000 χ²/NDF:51382147.2/22
+ sign -40.925+/-0.000 χ²/NDF: 3601718933.0/43
All: -40.829+/-0.000 χ²/NDF: 6238784019.9/
- sign -40.724+/-0.000 χ²/NDF: 2633502907.0/45

yield_cav4cY_rms vs Slug



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

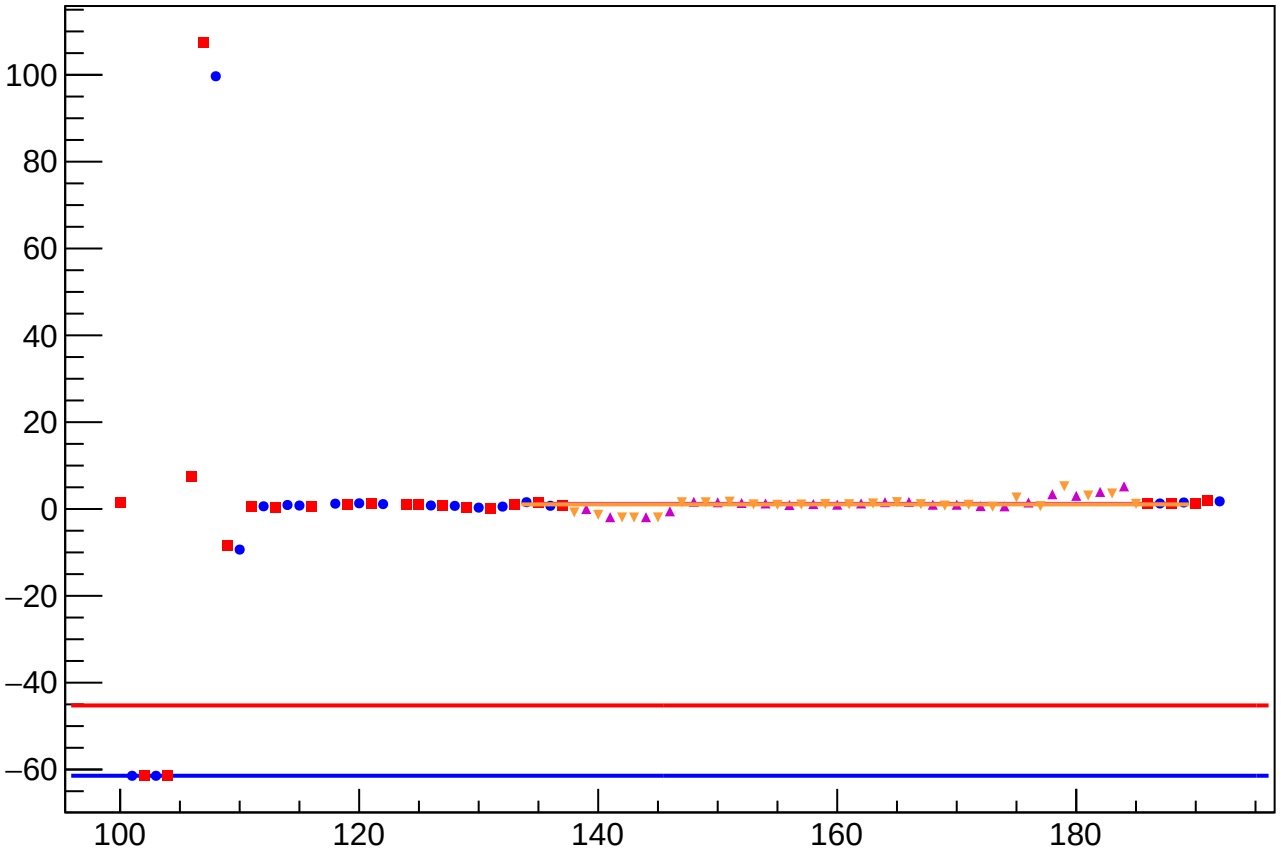
Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.358+/-0.000 χ^2/NDF: 5602542.2/43

All: 0.361+/-0.000 χ^2/NDF: 11908875.3/89

- sign 0.366+/-0.000 χ^2/NDF: 6294536.7/45

yield_cav4dX_mean vs Slug



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

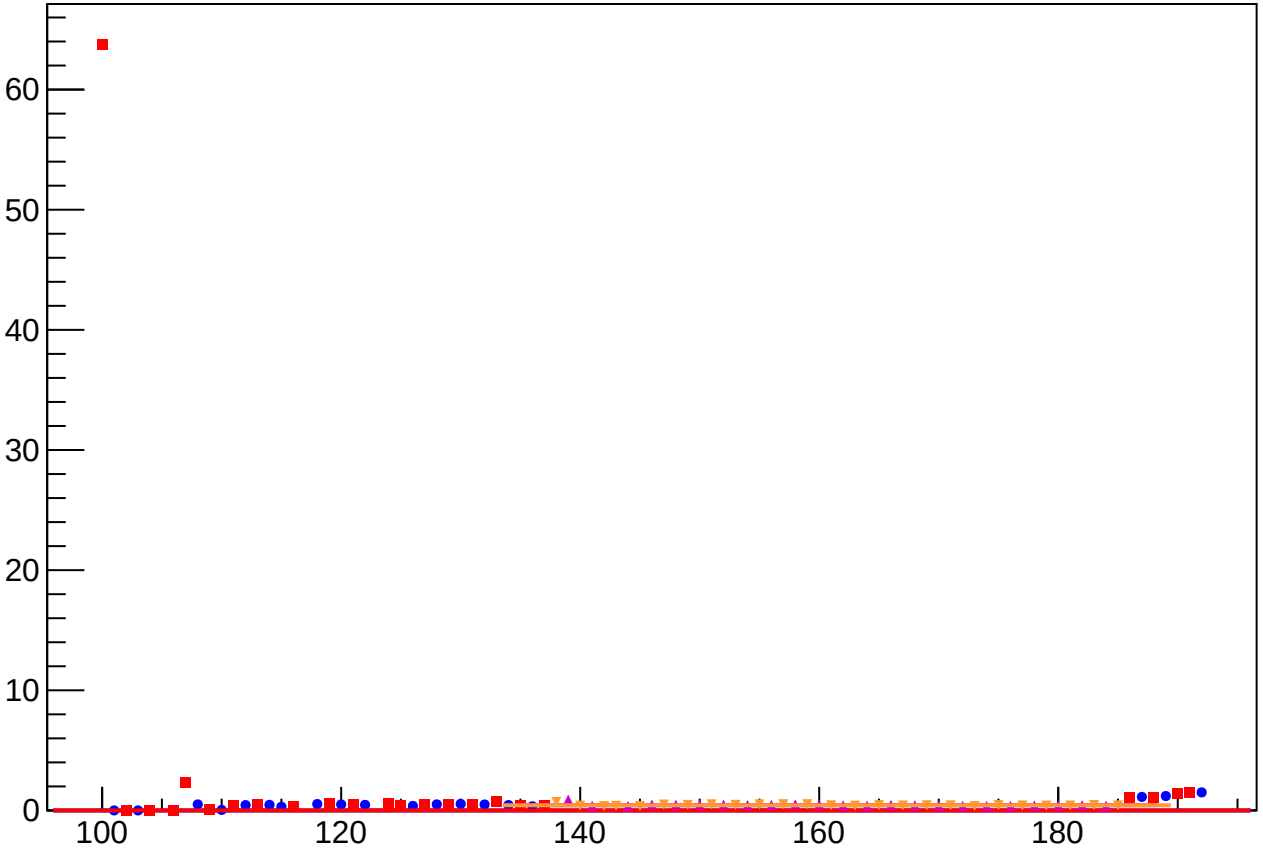
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 607112879719.4/4

All: -52.738+/-0.000 χ^2/NDF: 409597952550

- sign -45.236+/-0.000 χ^2/NDF: 358039813438706.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 12424439.1/18

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

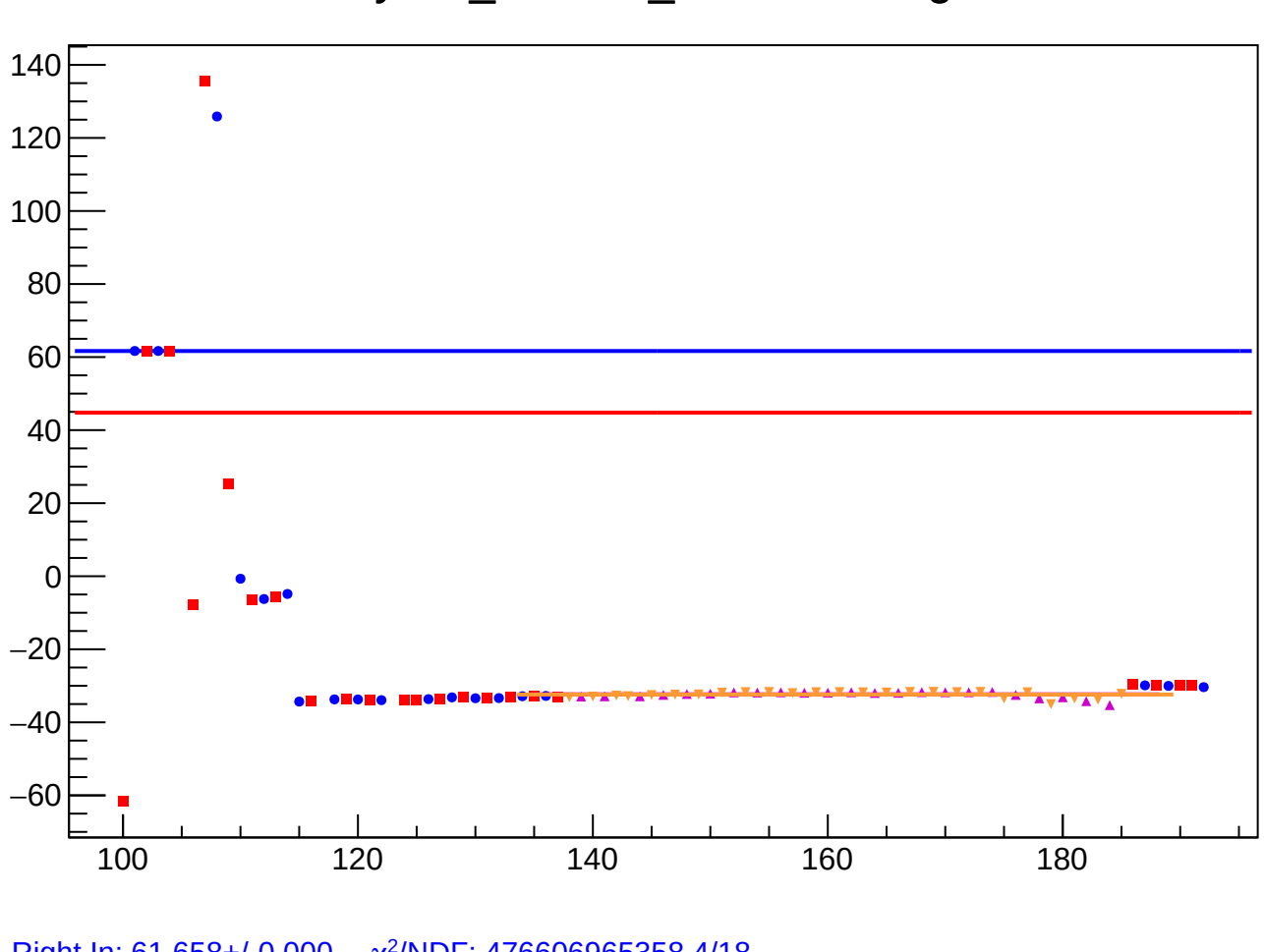
Right Out: 0.001+/-0.000 χ^2/NDF: 13077921.8/22

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 44189714.0/43

All: 0.002+/-0.000 χ^2/NDF: 87410653.0/89

- sign 0.002+/-0.000 χ^2/NDF: 43220754.0/45



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: 366144508451661.4/22

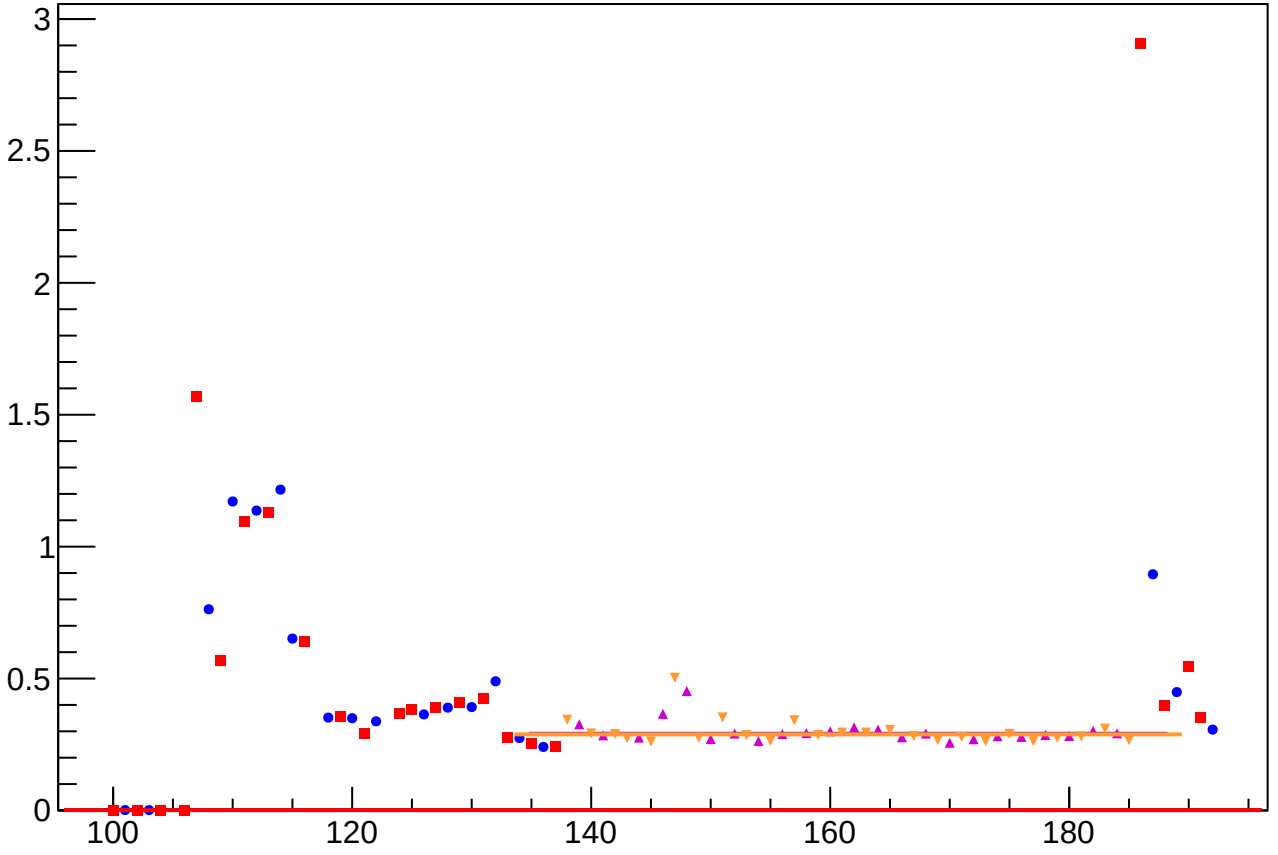
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.597+/-0.000 χ^2/NDF: 2434596473306.5/4

All: 52.636+/-0.000 χ^2/NDF: 420810681686

- sign 44.742+/-0.000 χ^2/NDF: 367372269446936.5

yield_cav4dY_rms vs Slug



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

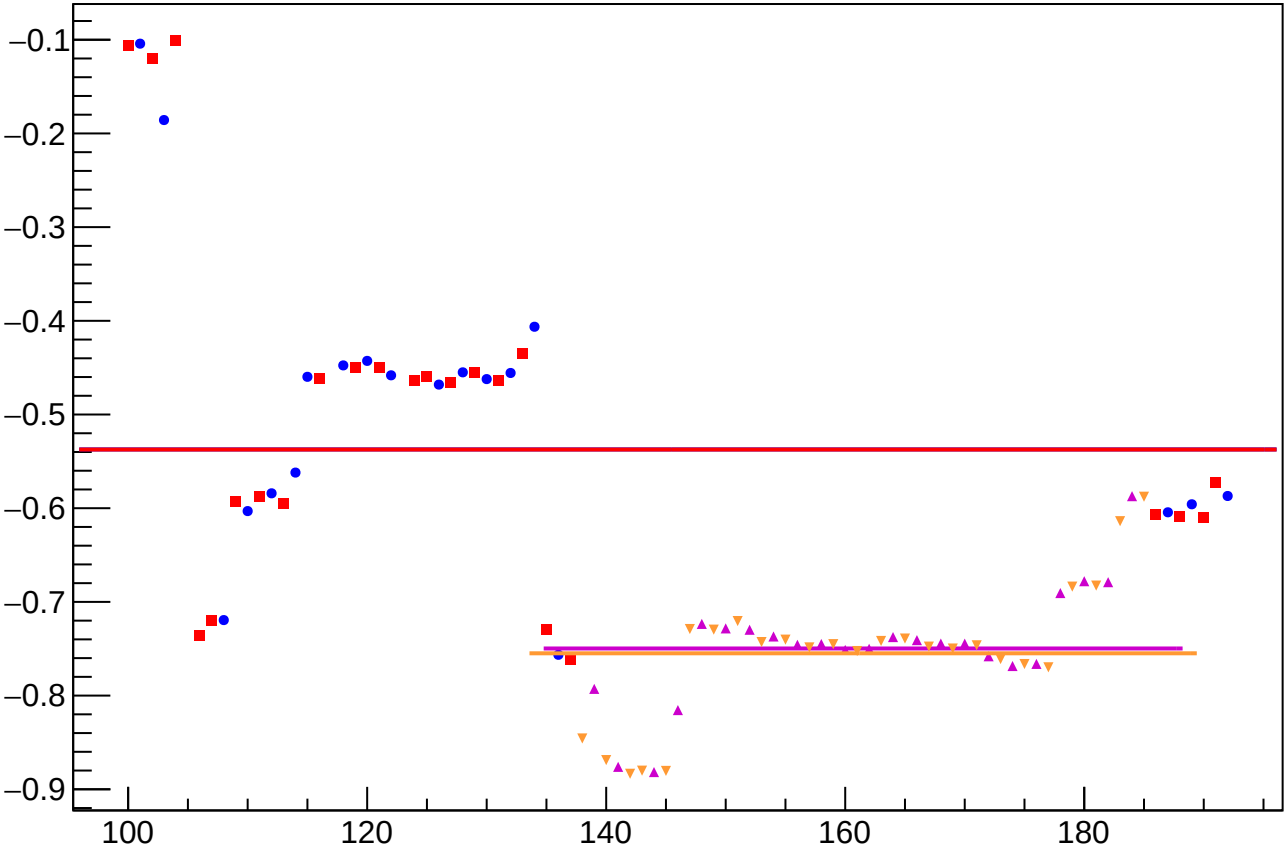
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 51173515.8/43

All: 0.002+/-0.000 χ^2/NDF: 100336642.0/89

- sign 0.002+/-0.000 χ^2/NDF: 49163026.3/45

yield_bpm4aX_mean vs Slug



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

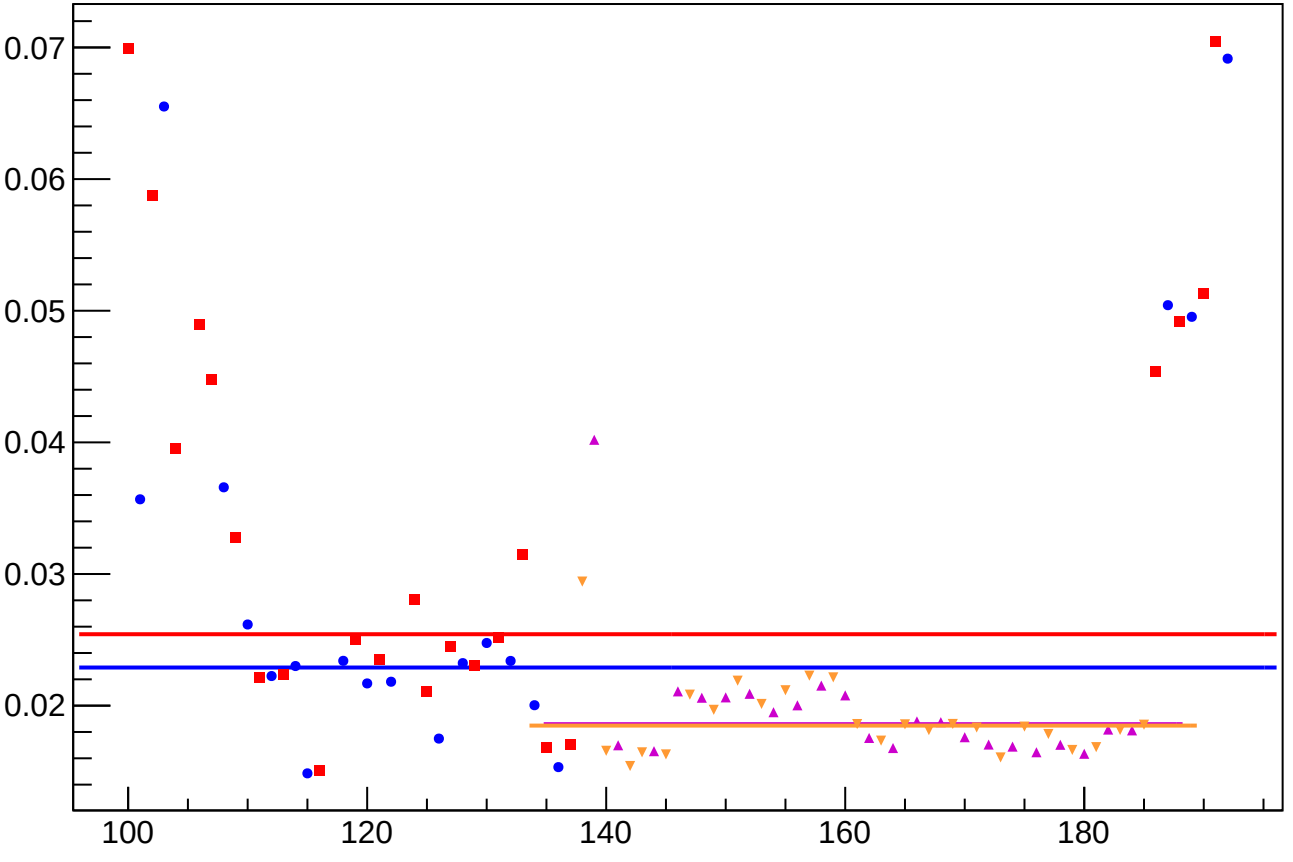
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.709+/-0.000 χ^2/NDF: 968038129.0/43

All: -0.708+/-0.000 χ^2/NDF: 1713054512.0/8

- sign -0.707+/-0.000 χ^2/NDF: 744852119.3/45

yield_bpm4aX_rms vs Slug



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

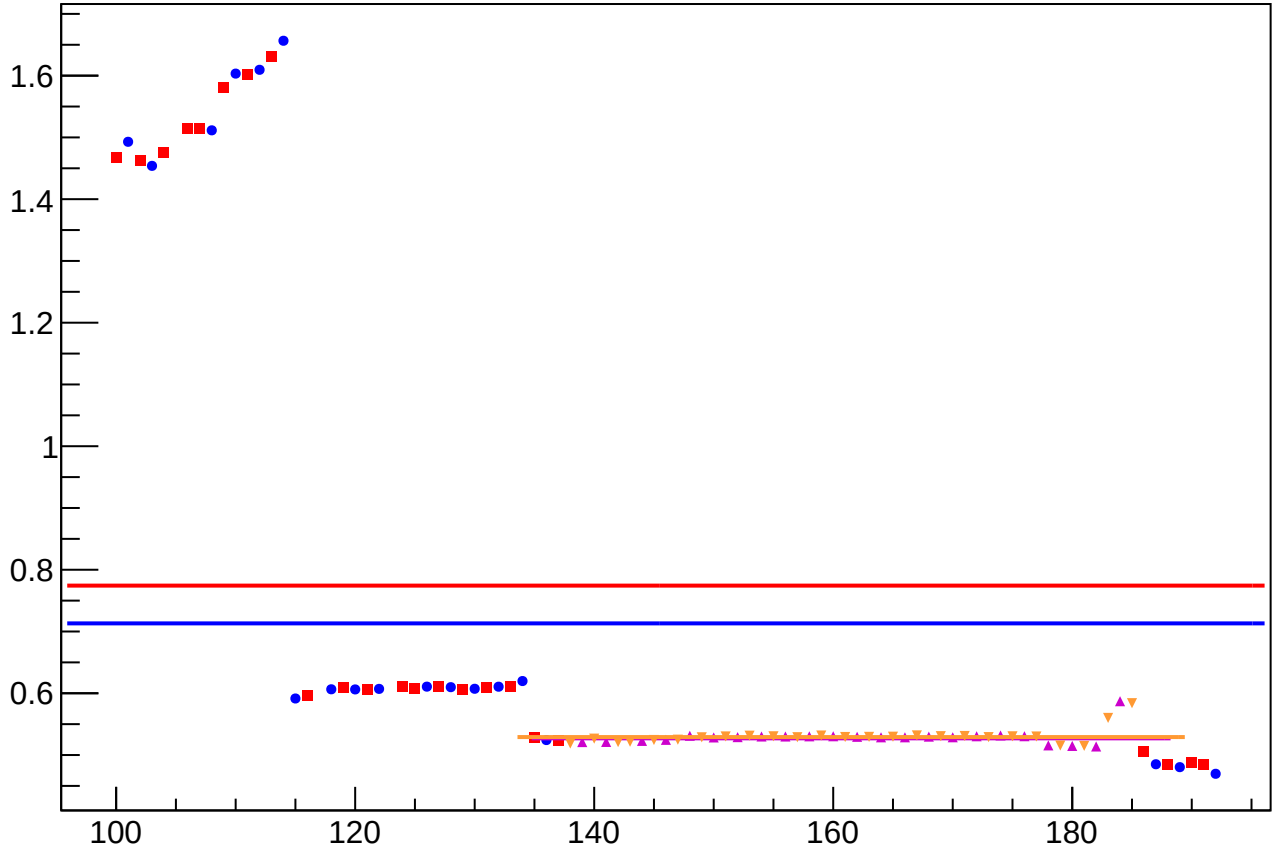
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 3318428.8/43

All: 0.020+/-0.000 χ^2/NDF: 7155914.8/89

- sign 0.020+/-0.000 χ^2/NDF: 3819880.6/45

yield_bpm4aY_mean vs Slug



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

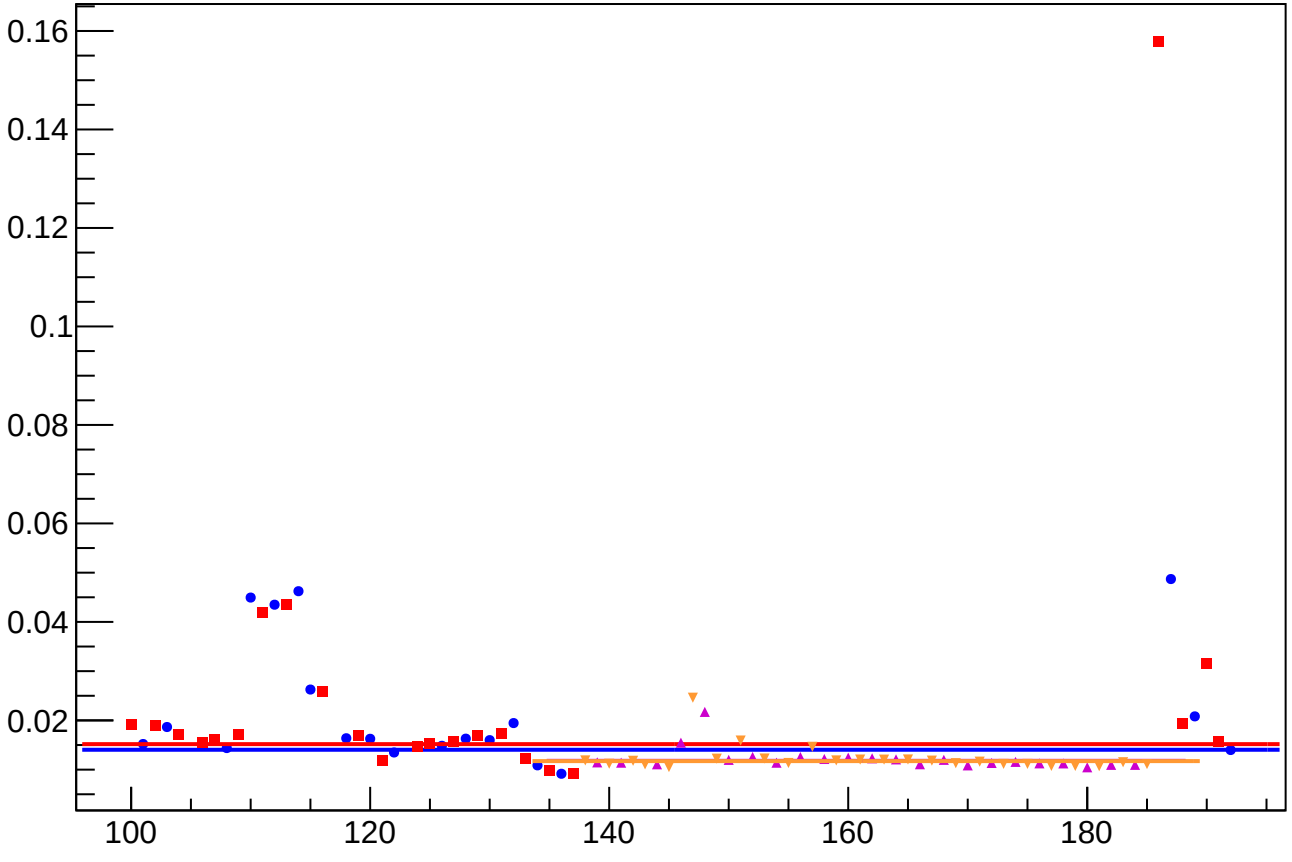
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.569+/-0.000 χ^2/NDF: 5726105577.4/43

All: 0.574+/-0.000 χ^2/NDF: 12463521488.1/8

- sign 0.578+/-0.000 χ^2/NDF: 6730583812.3/45

yield_bpm4aY_rms vs Slug



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

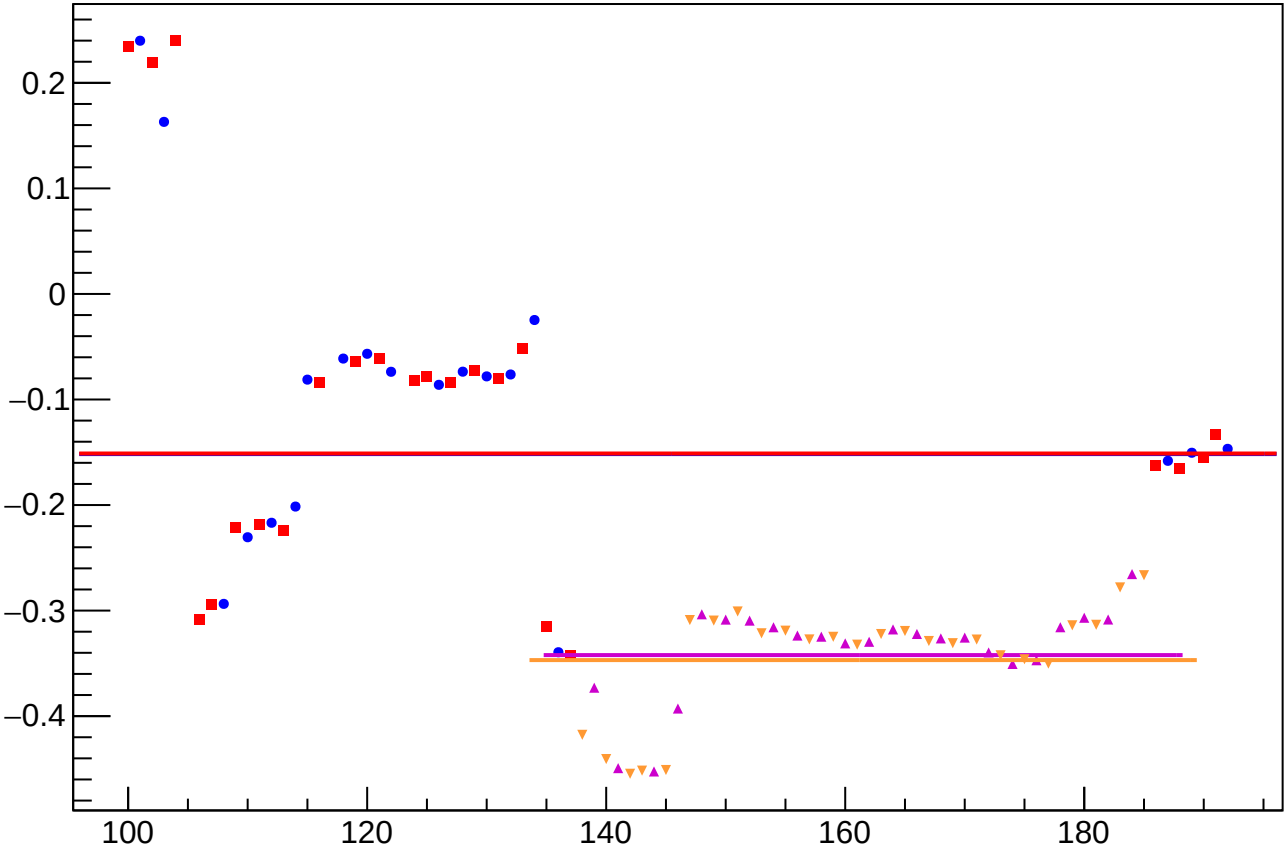
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 2943299.7/43

All: 0.012+/-0.000 χ^2/NDF: 6427982.9/89

- sign 0.012+/-0.000 χ^2/NDF: 3473783.4/45

yield_bpm4eX_mean vs Slug



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

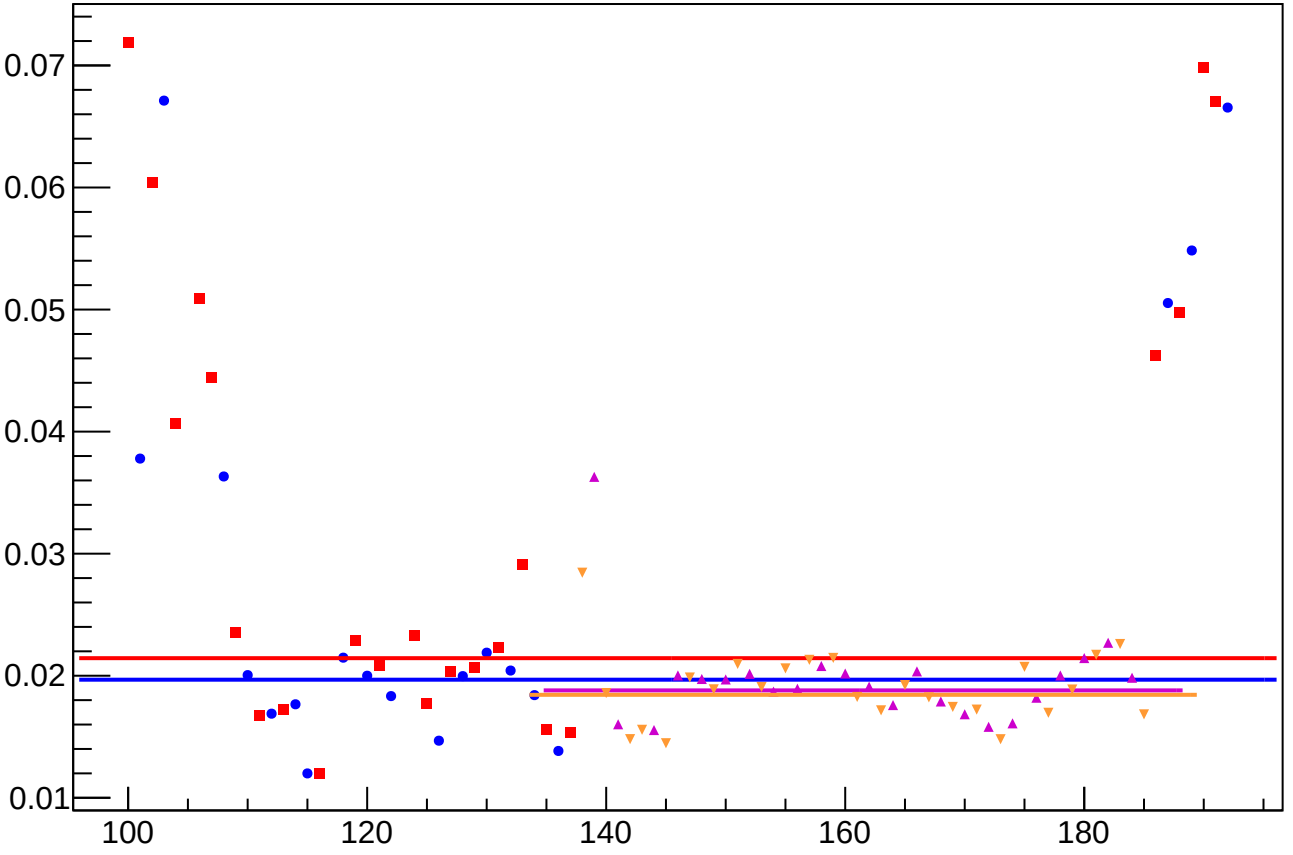
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.297+/-0.000 χ^2/NDF: 853671248.0/43

All: -0.296+/-0.000 χ^2/NDF: 1533666453.6/8

- sign -0.294+/-0.000 χ^2/NDF: 679623254.6/45

yield_bpm4eX_rms vs Slug



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

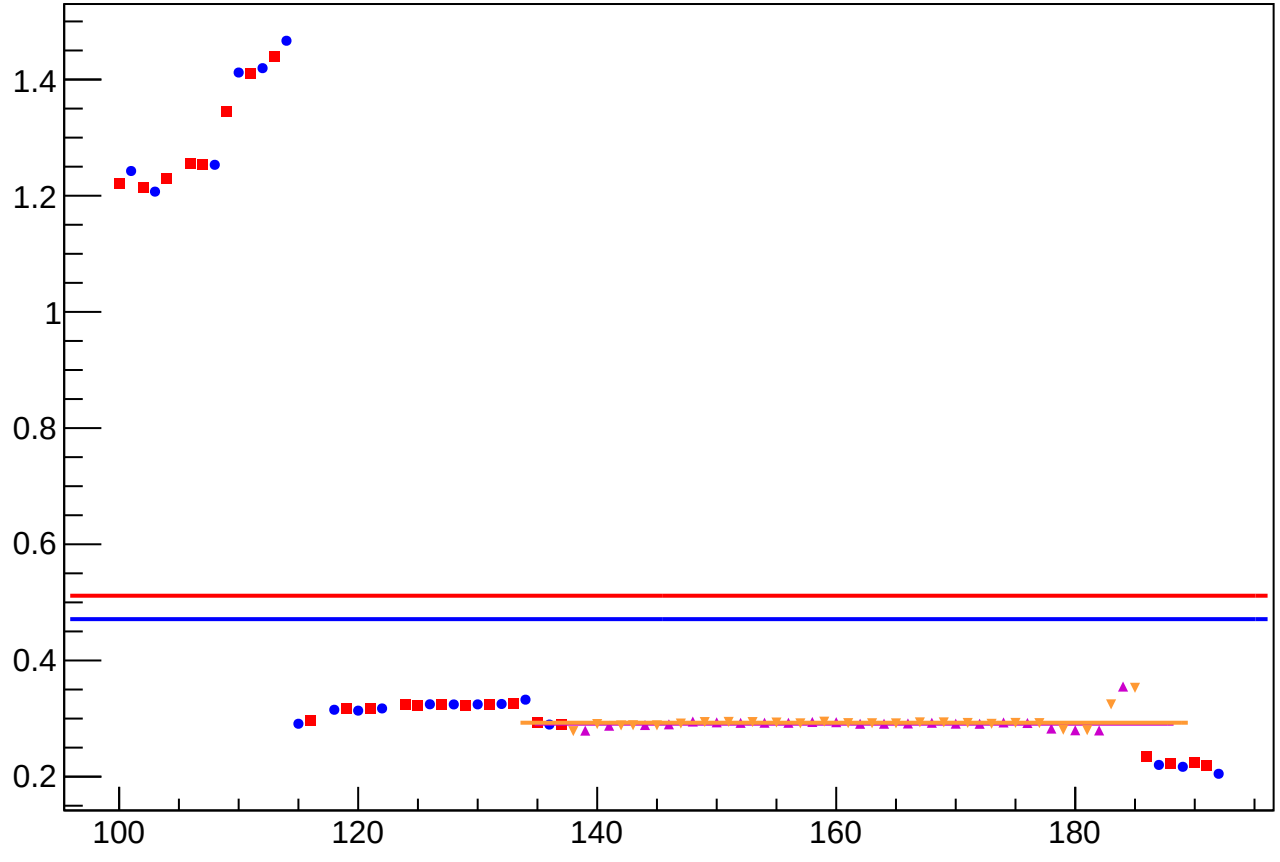
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.019+/-0.000 χ^2/NDF: 3587647.7/43

All: 0.019+/-0.000 χ^2/NDF: 7455691.1/89

- sign 0.019+/-0.000 χ^2/NDF: 3837529.9/45

yield_bpm4eY_mean vs Slug



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

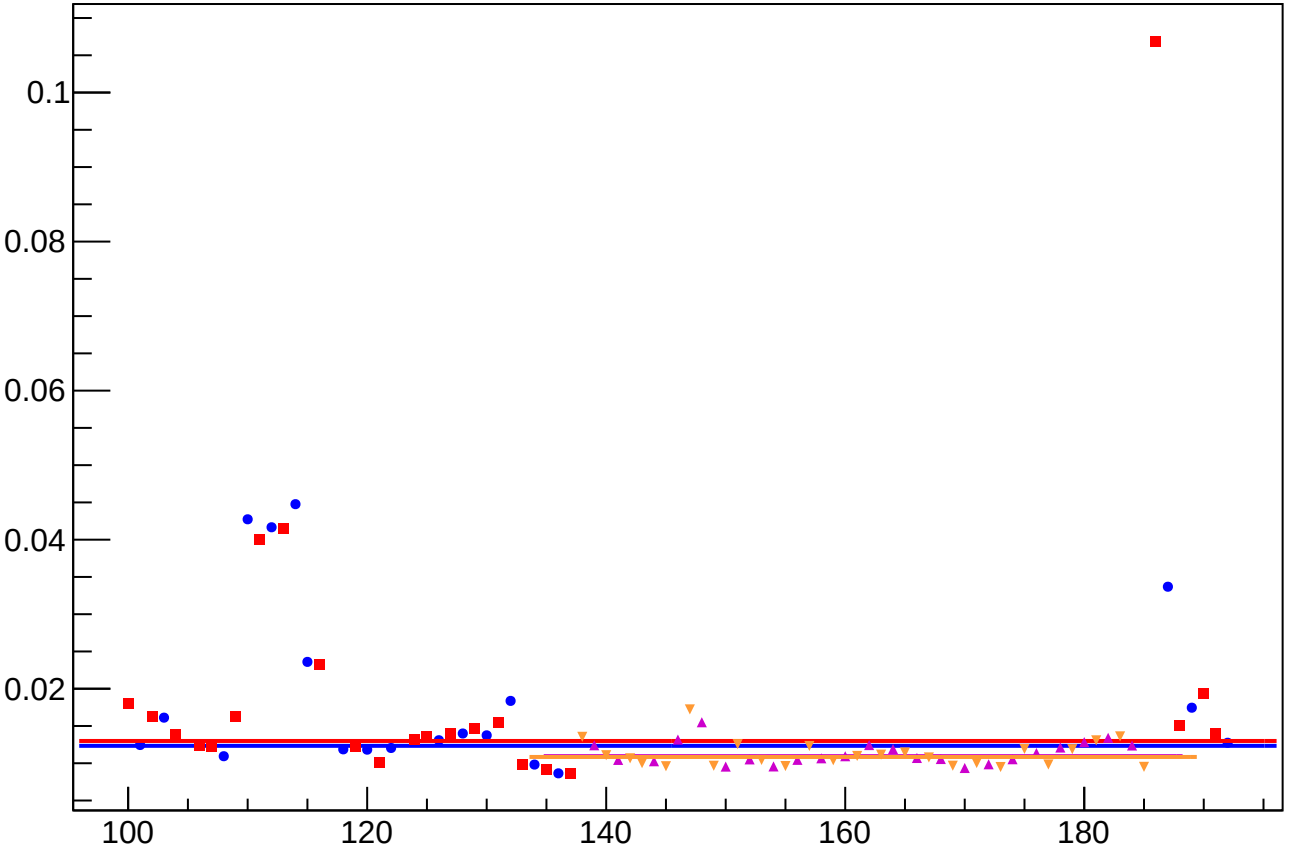
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.336+/-0.000 χ^2/NDF: 8144700071.1/43

All: 0.339+/-0.000 χ^2/NDF: 17179824138.3/8

- sign 0.344+/-0.000 χ^2/NDF: 9028638217.0/45

yield_bpm4eY_rms vs Slug



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

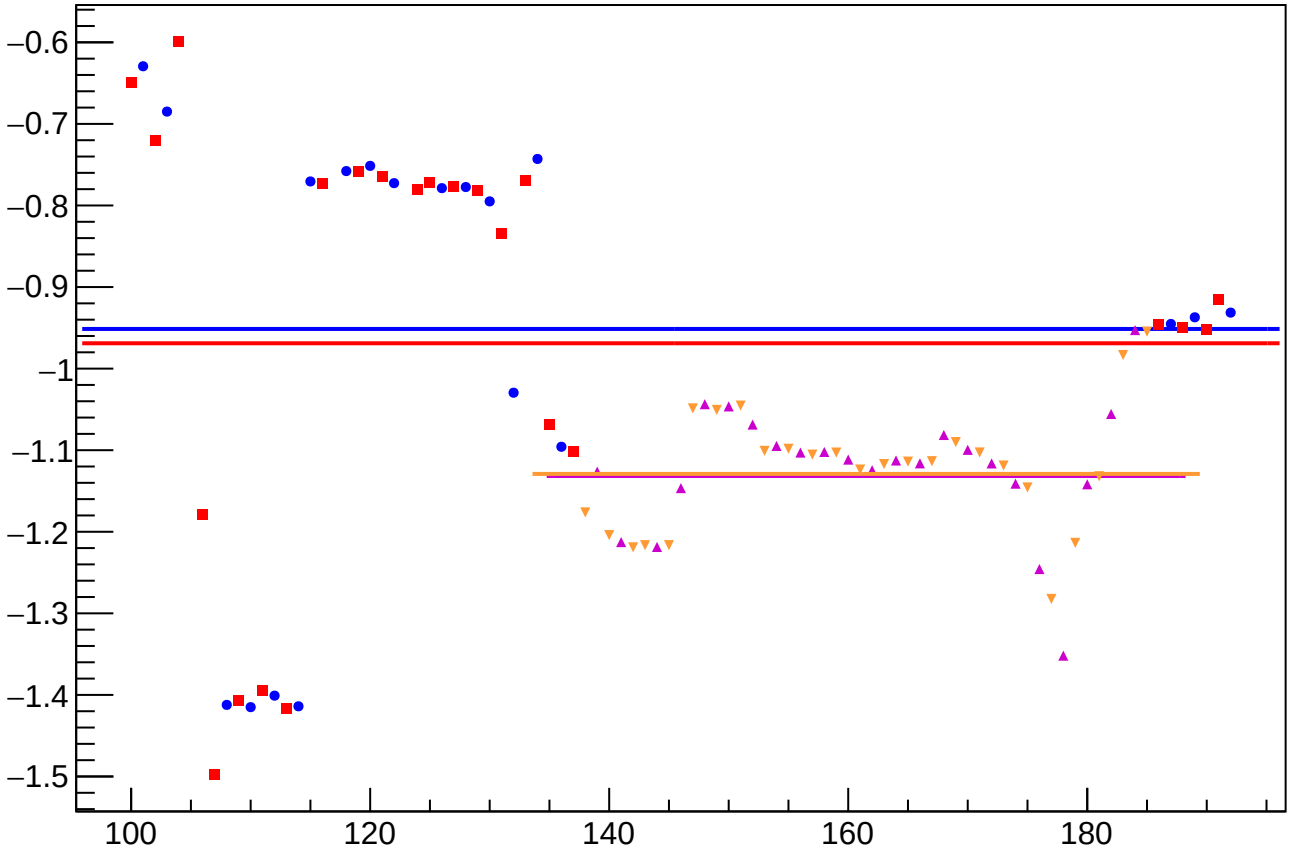
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2553552.6/43

All: 0.011+/-0.000 χ^2/NDF: 5510031.8/89

- sign 0.011+/-0.000 χ^2/NDF: 2945302.6/45

yield_bpm4acX_mean vs Slug



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

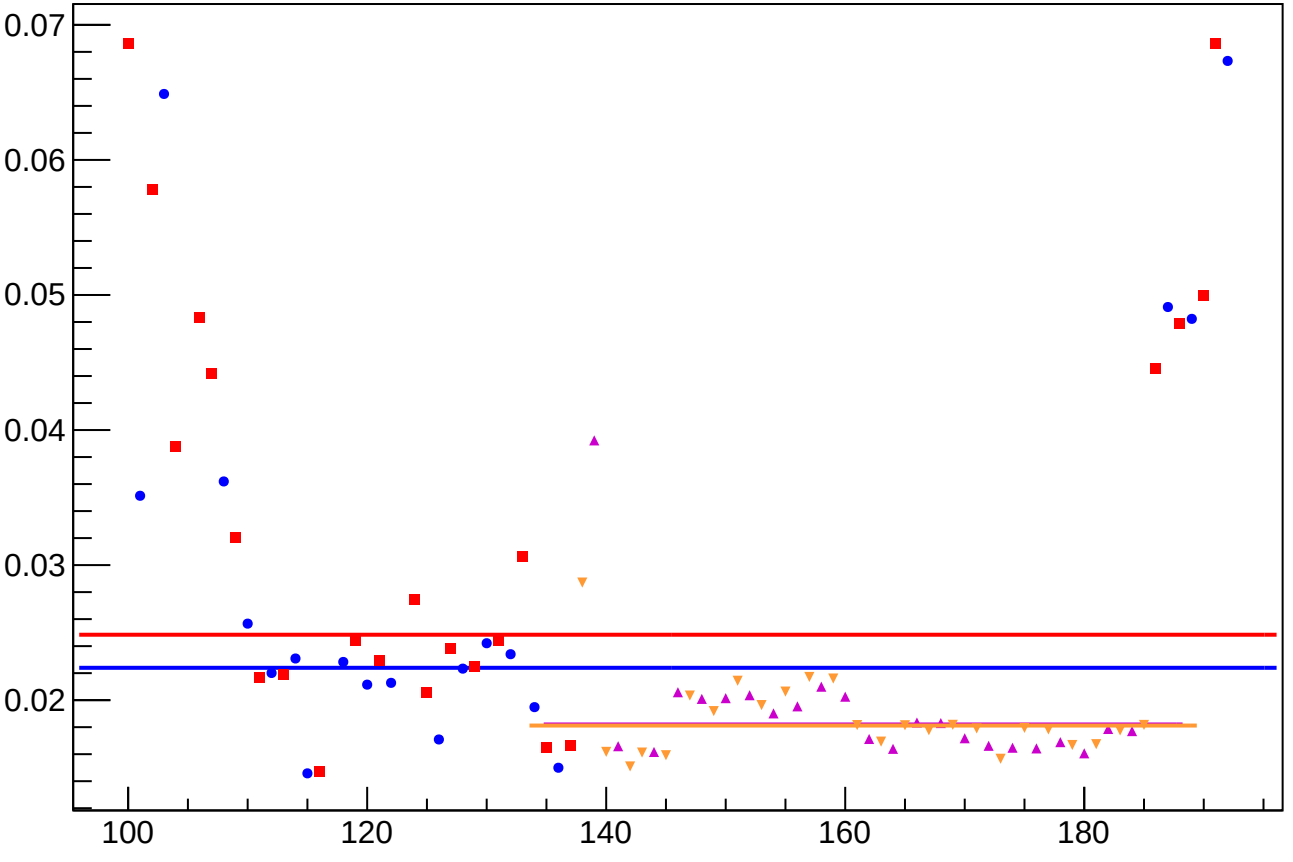
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.092+/-0.000 χ^2/NDF: 1253134459.3/43

All: -1.095+/-0.000 χ^2/NDF: 2466515623.6/8

- sign -1.099+/-0.000 χ^2/NDF: 1211948246.4/45

yield_bpm4acX_rms vs Slug



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

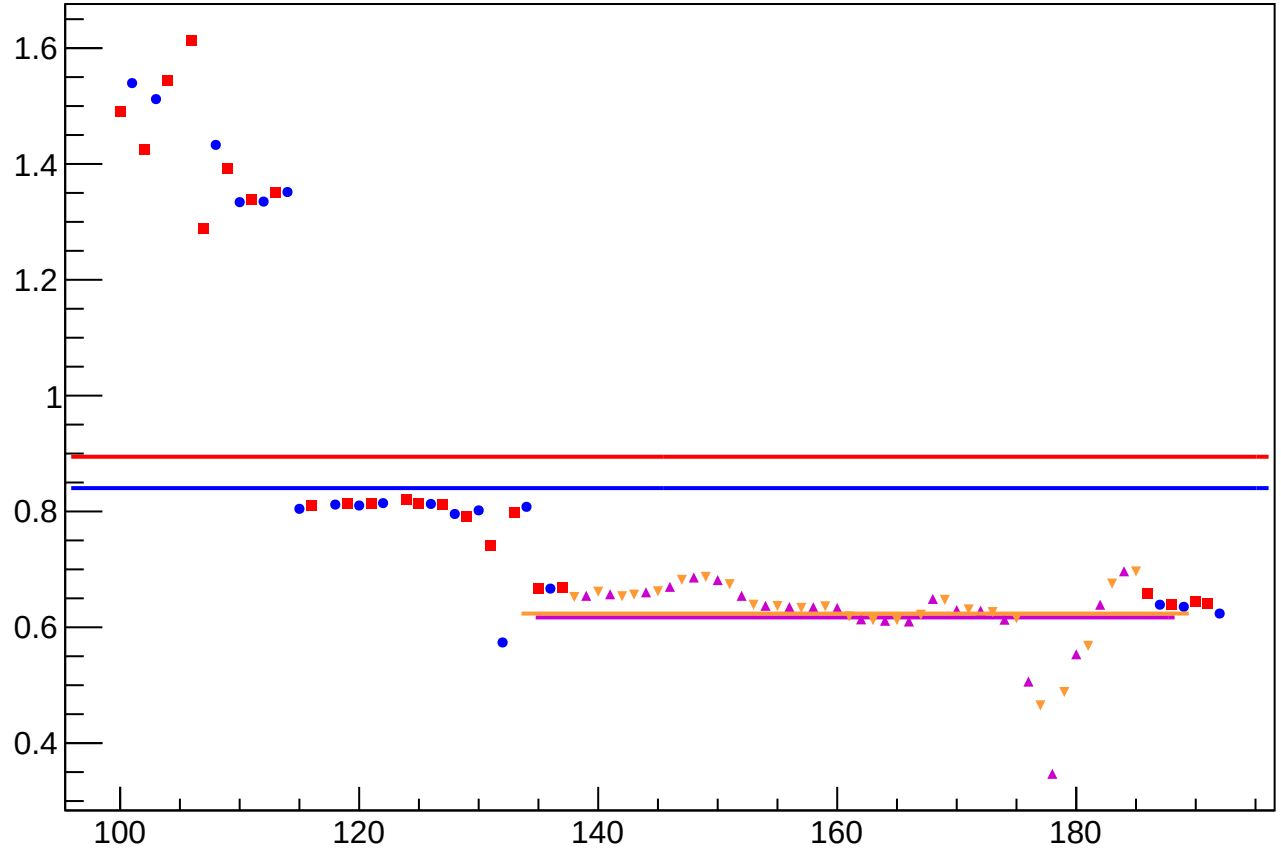
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 3299740.2/43

All: 0.019+/-0.000 χ^2/NDF: 7111180.4/89

- sign 0.020+/-0.000 χ^2/NDF: 3795623.1/45

yield_bpm4acY_mean vs Slug



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

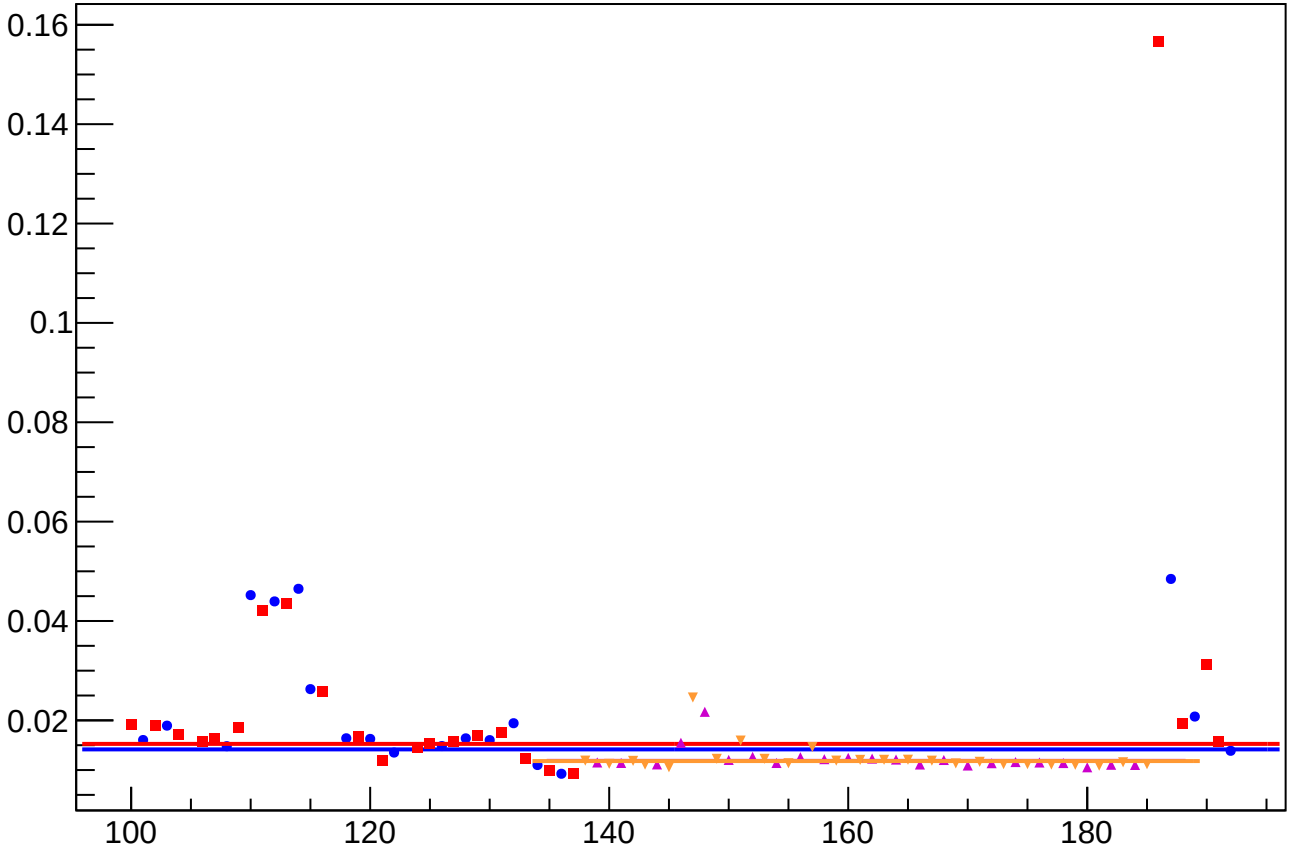
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.671+/-0.000 χ^2/NDF: 4866915856.7/43

All: 0.672+/-0.000 χ^2/NDF: 10537459436.1/8

- sign 0.674+/-0.000 χ^2/NDF: 5669461635.0/45

yield_bpm4acY_rms vs Slug



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

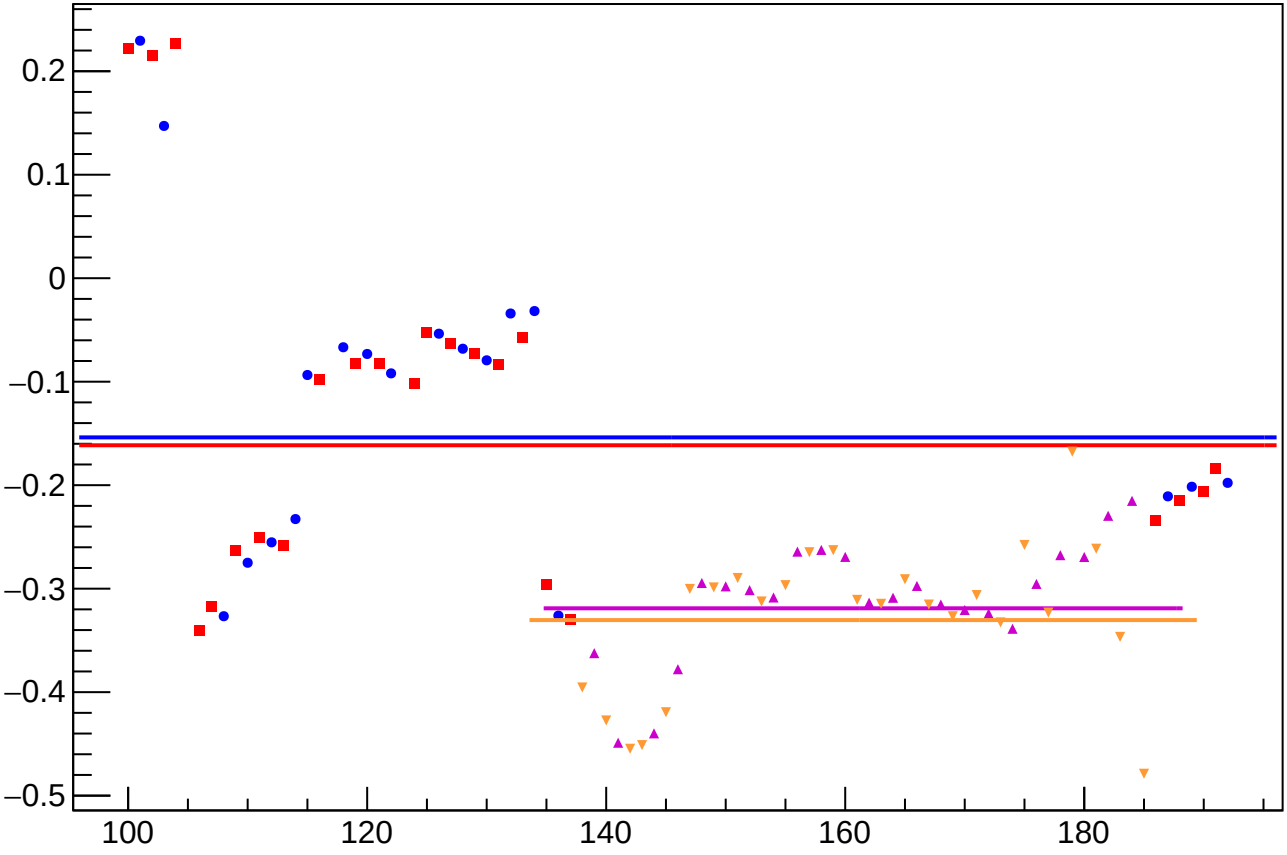
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 2913411.6/43

All: 0.012+/-0.000 χ^2/NDF: 6386242.0/89

- sign 0.013+/-0.000 χ^2/NDF: 3463843.3/45

yield_bpm4ecX_mean vs Slug



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

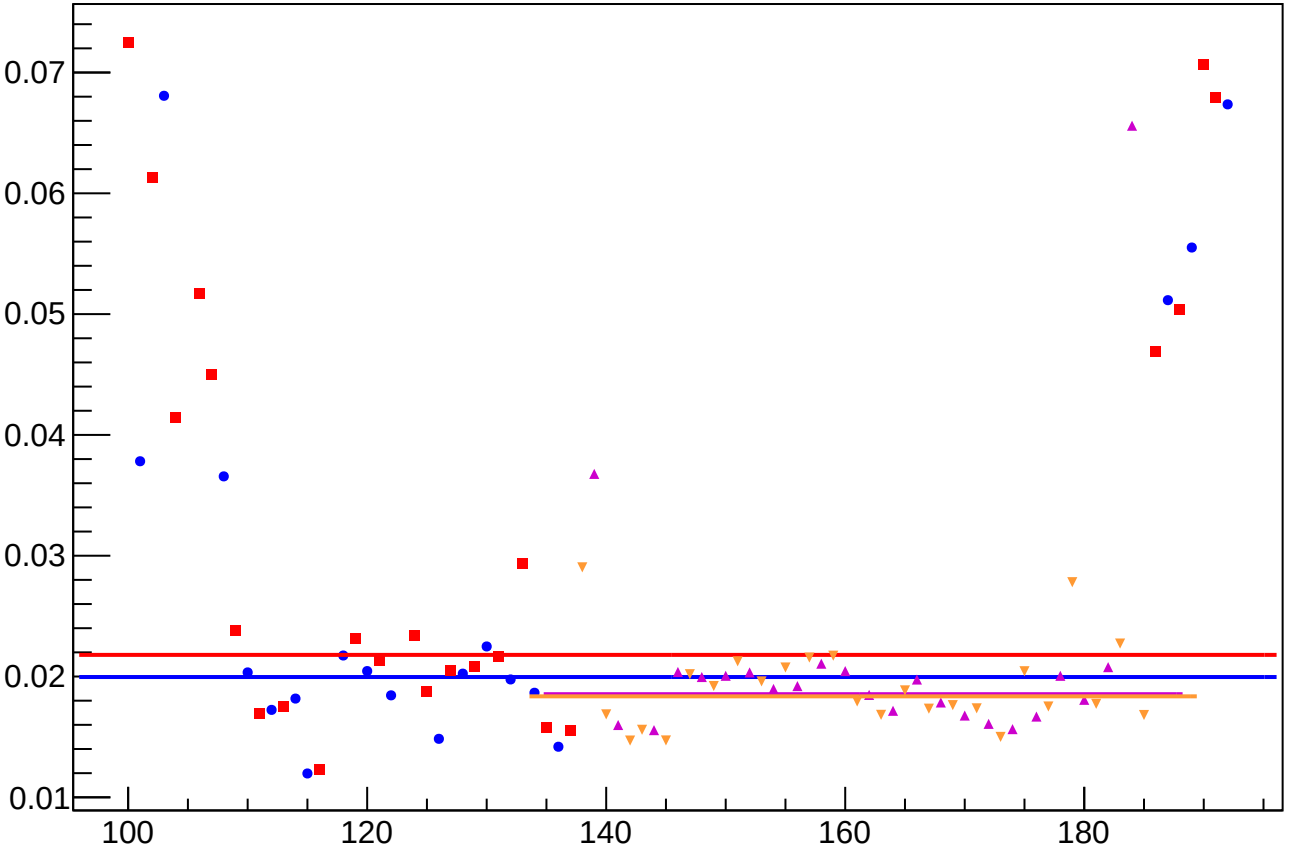
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.286+/-0.000 χ^2/NDF: 817550289.2/43

All: -0.283+/-0.000 χ^2/NDF: 1407028305.9/8

- sign -0.280+/-0.000 χ^2/NDF: 588517239.8/45

yield_bpm4ecX_rms vs Slug



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

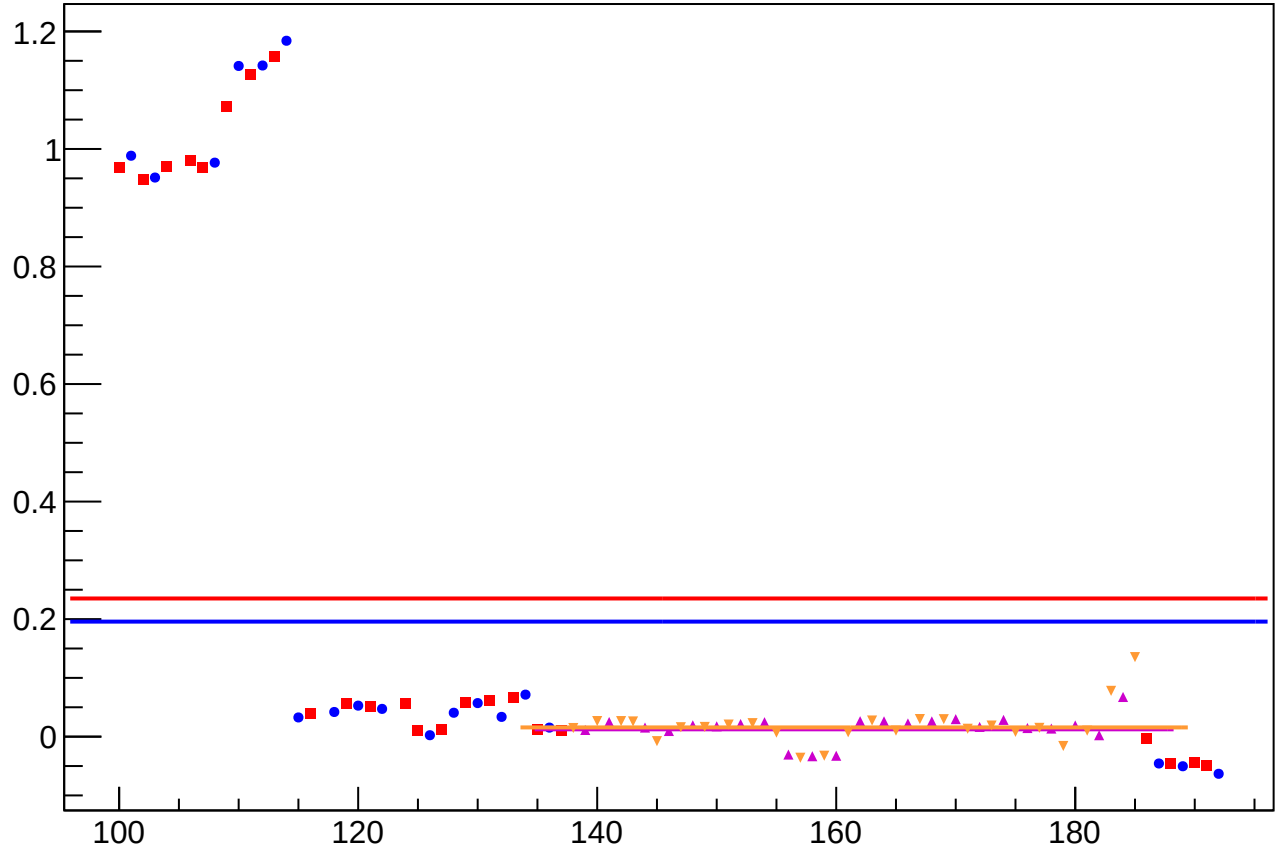
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 3681895.6/43

All: 0.019+/-0.000 χ^2/NDF: 7801699.5/89

- sign 0.019+/-0.000 χ^2/NDF: 4100201.6/45

yield_bpm4ecY_mean vs Slug



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

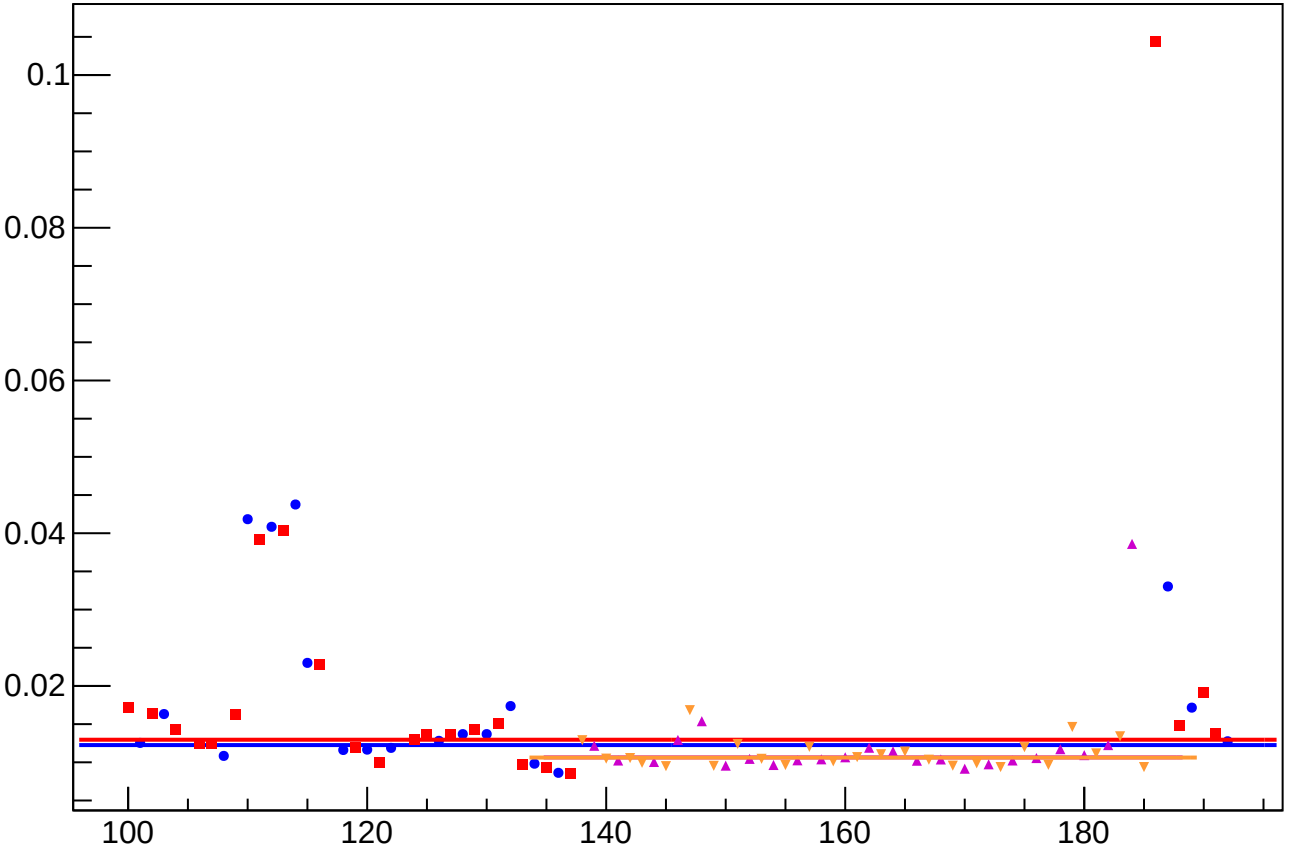
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.059+/-0.000 χ^2/NDF: 8430707710.4/43

All: 0.061+/-0.000 χ^2/NDF: 17566296150.9/8

- sign 0.064+/-0.000 χ^2/NDF: 9132559762.9/45

yield_bpm4ecY_rms vs Slug



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

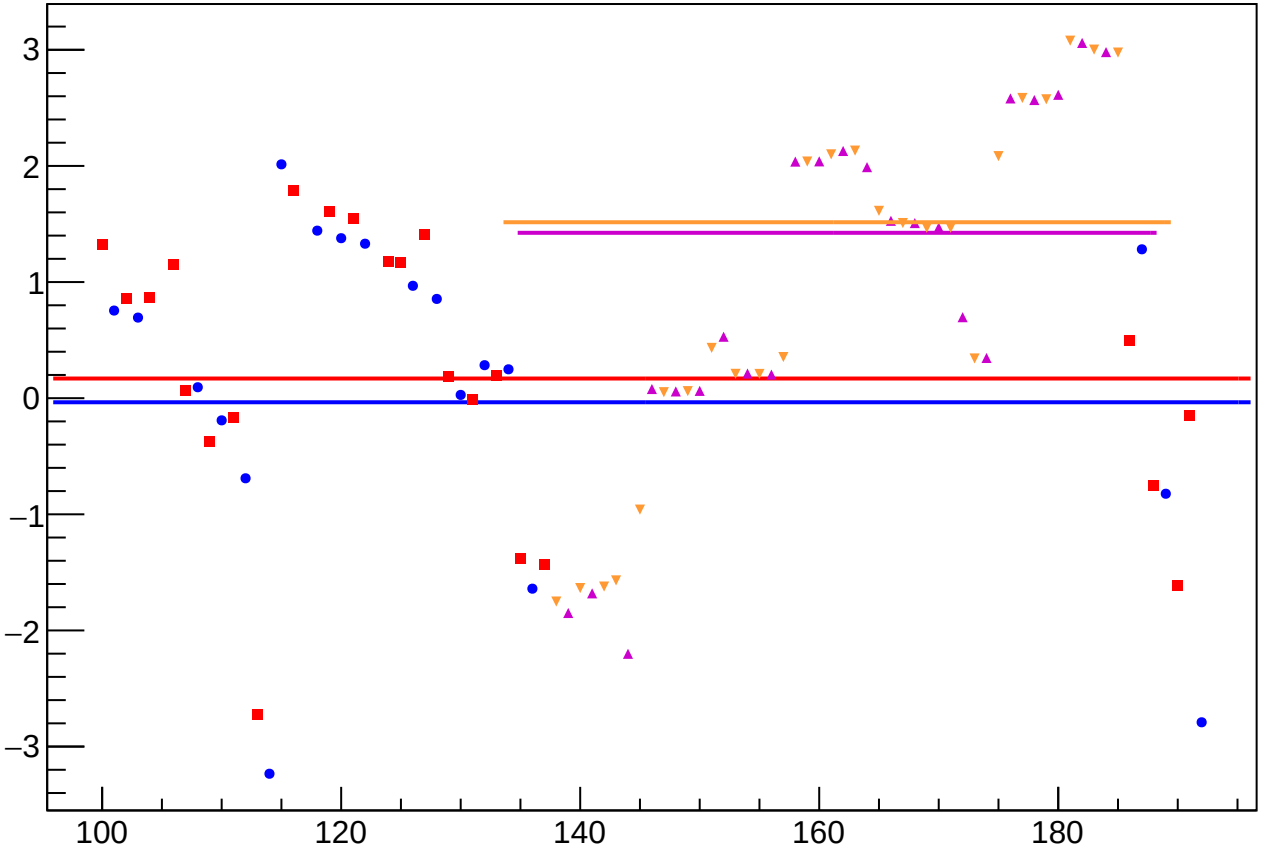
Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 2519773.5/43

All: 0.011+/-0.000 χ^2/NDF: 5564820.0/89

- sign 0.011+/-0.000 χ^2/NDF: 3039406.3/45

yield_bpm1X_mean vs Slug



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

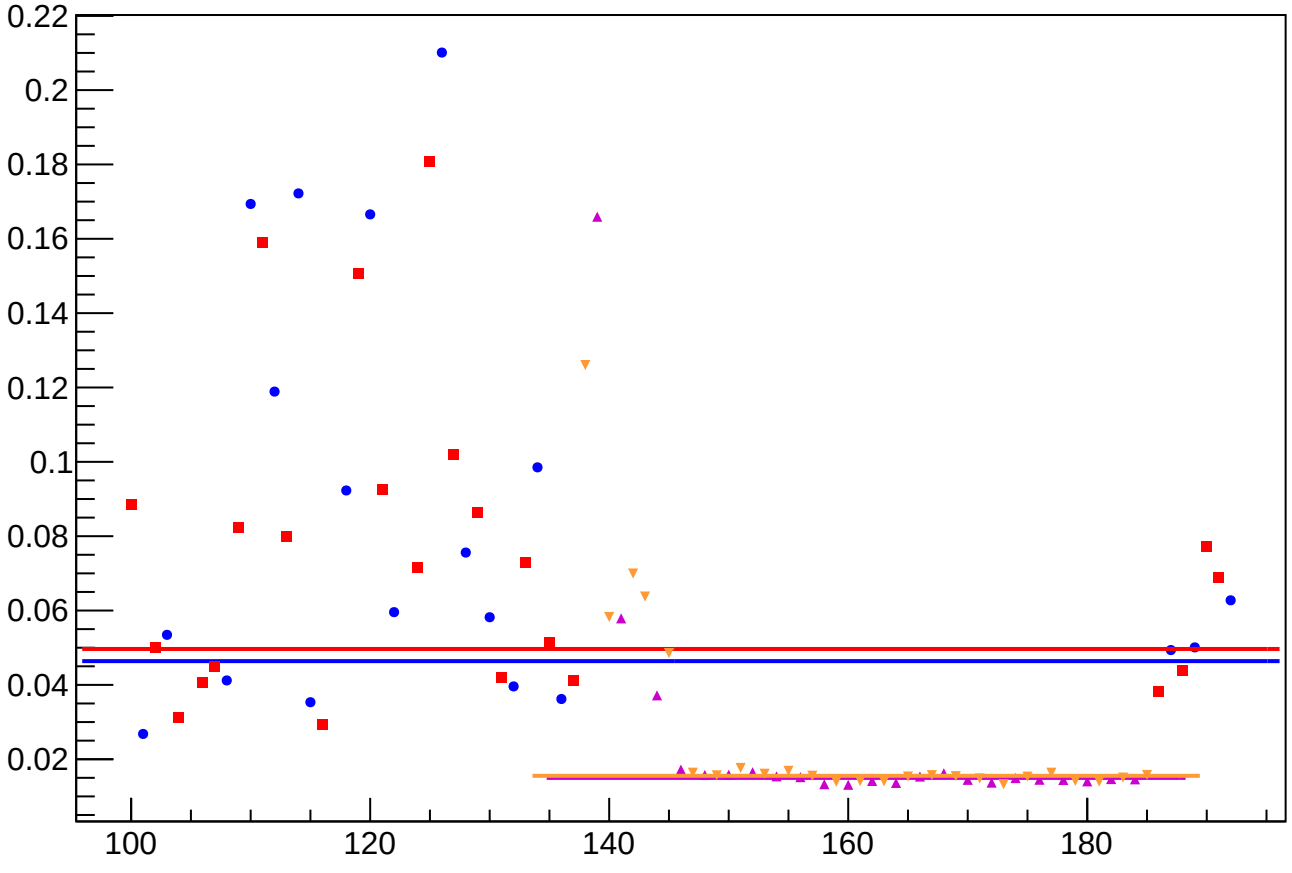
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.454+/-0.000 χ^2/NDF: 77473771460.1/43

All: 1.415+/-0.000 χ^2/NDF: 151939190835.8

- sign 1.376+/-0.000 χ^2/NDF: 74271046256.2/45

yield_bpm1X_rms vs Slug



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

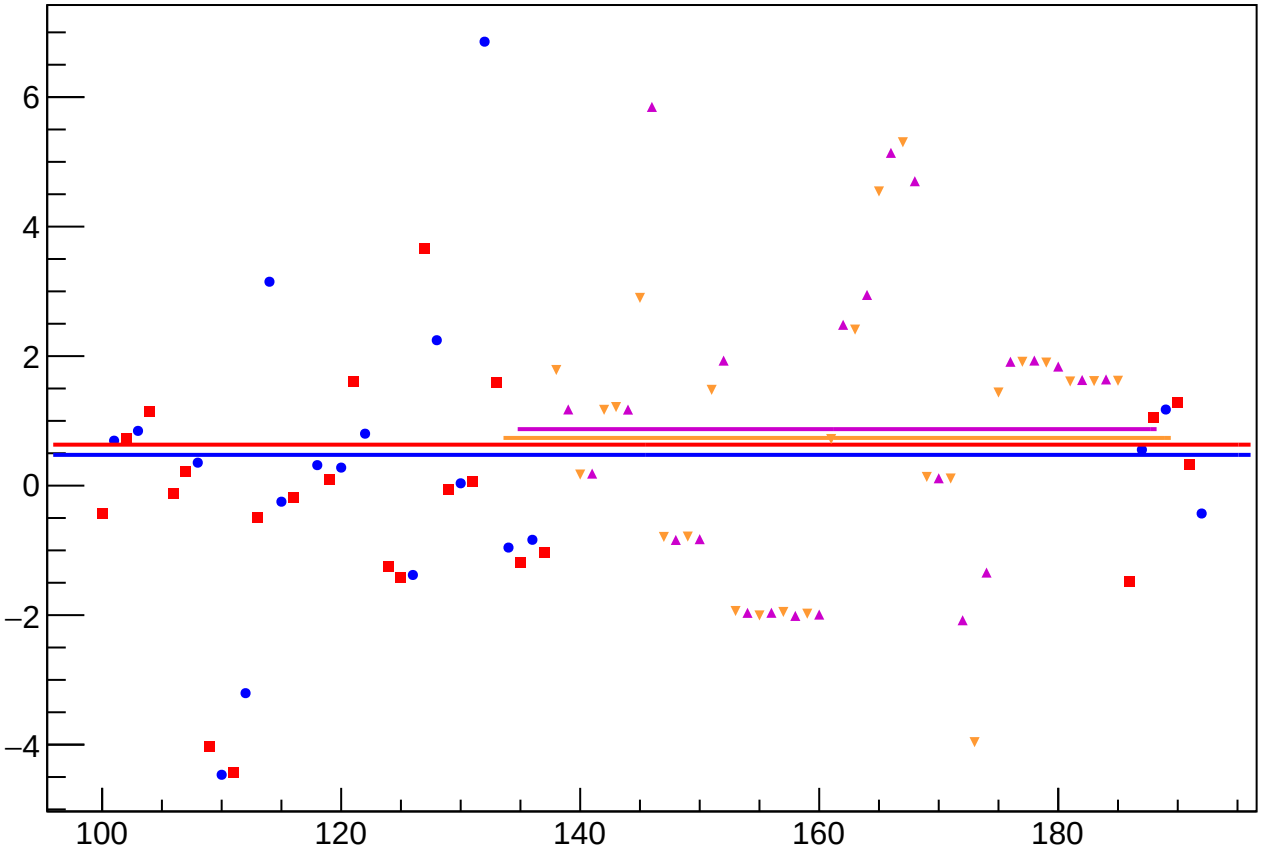
Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

+ sign 0.017+/-0.000 χ^2/NDF: 10446968.7/43

All: 0.017+/-0.000 χ^2/NDF: 20920246.0/89

- sign 0.016+/-0.000 χ^2/NDF: 10459808.0/45

yield_bpm1Y_mean vs Slug



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

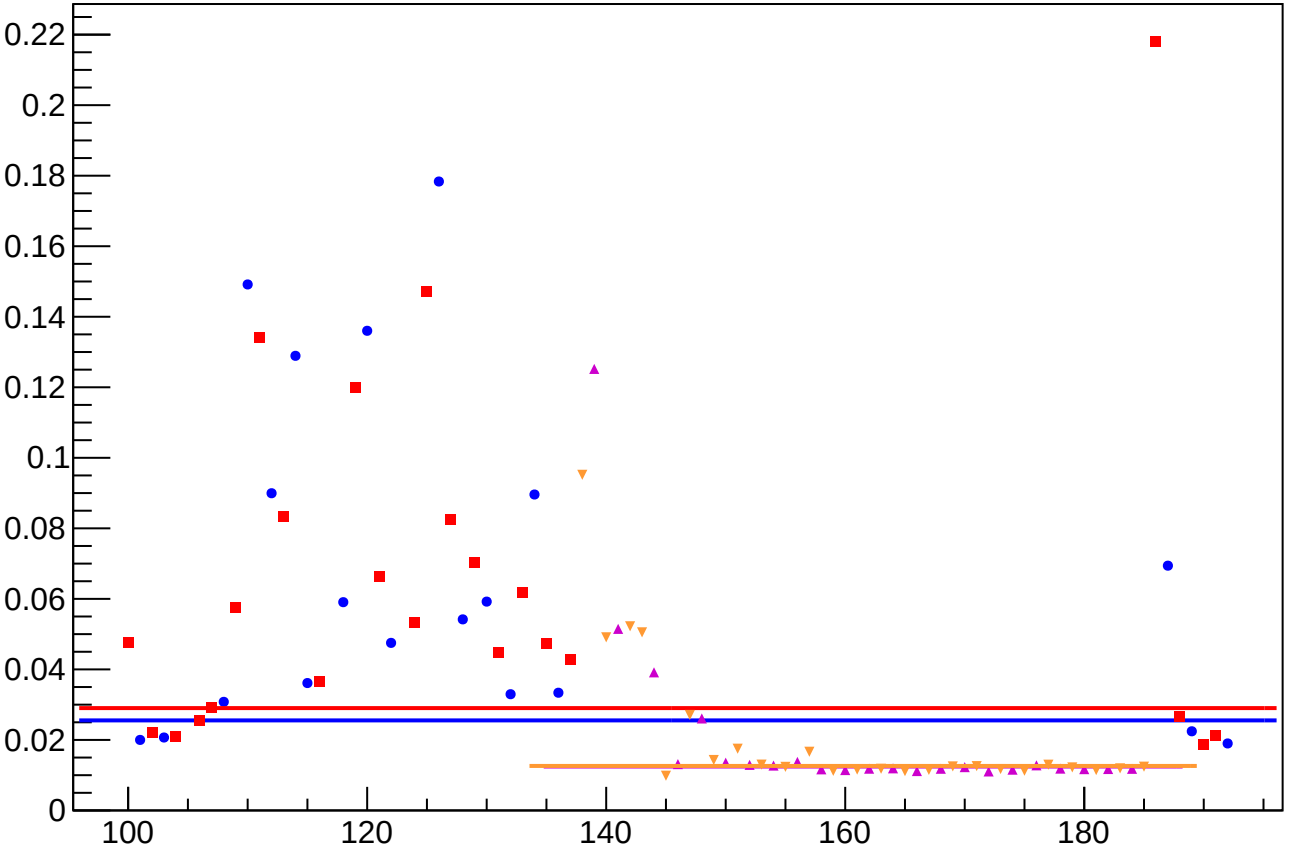
Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

+ sign 0.718+/-0.000 χ^2/NDF: 550983885942.1/43

All: 0.788+/-0.000 χ^2/NDF: 1178465512536.

- sign 0.858+/-0.000 χ^2/NDF: 626445011565.2/45

yield_bpm1Y_rms vs Slug



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

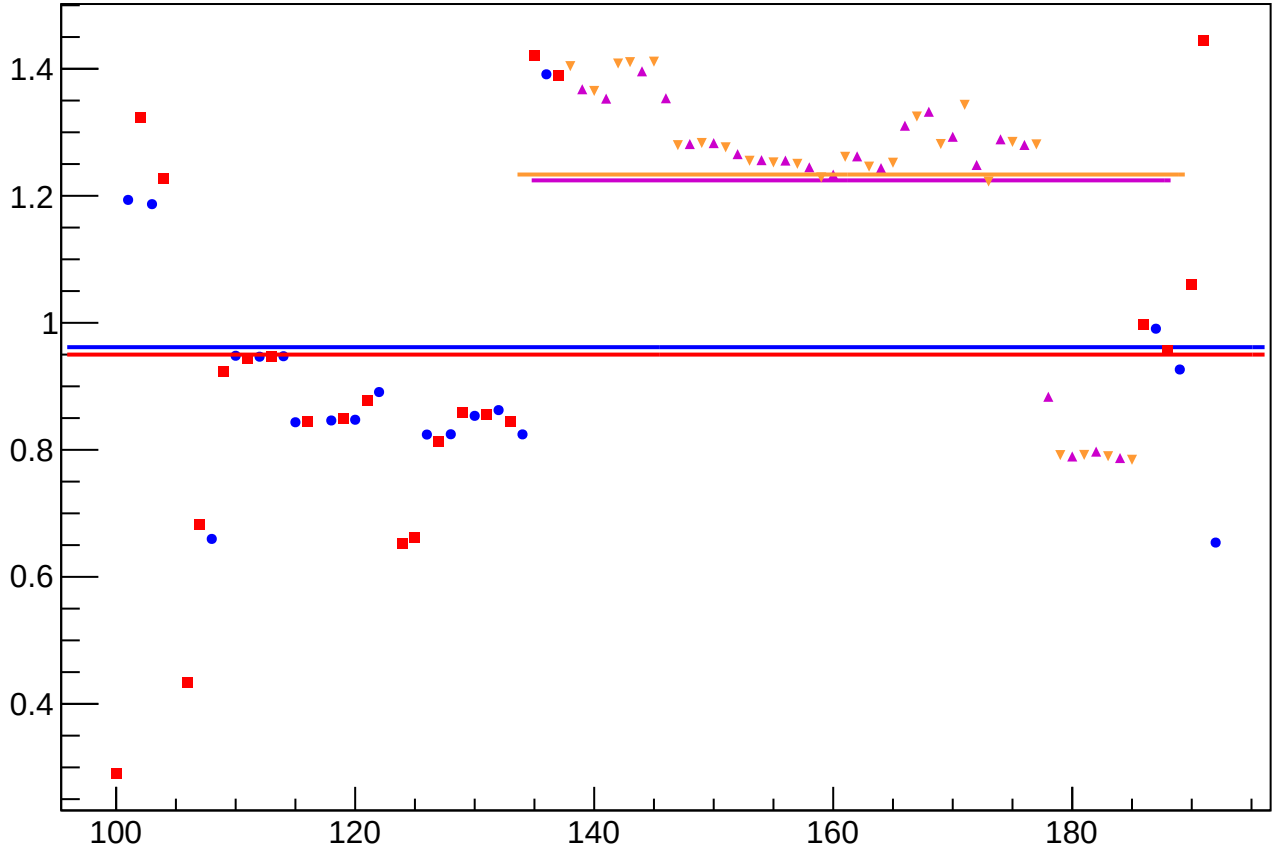
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 9198098.1/43

All: 0.013+/-0.000 χ^2/NDF: 19462174.0/89

- sign 0.013+/-0.000 χ^2/NDF: 10263501.6/45

yield_bpm11X_mean vs Slug



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

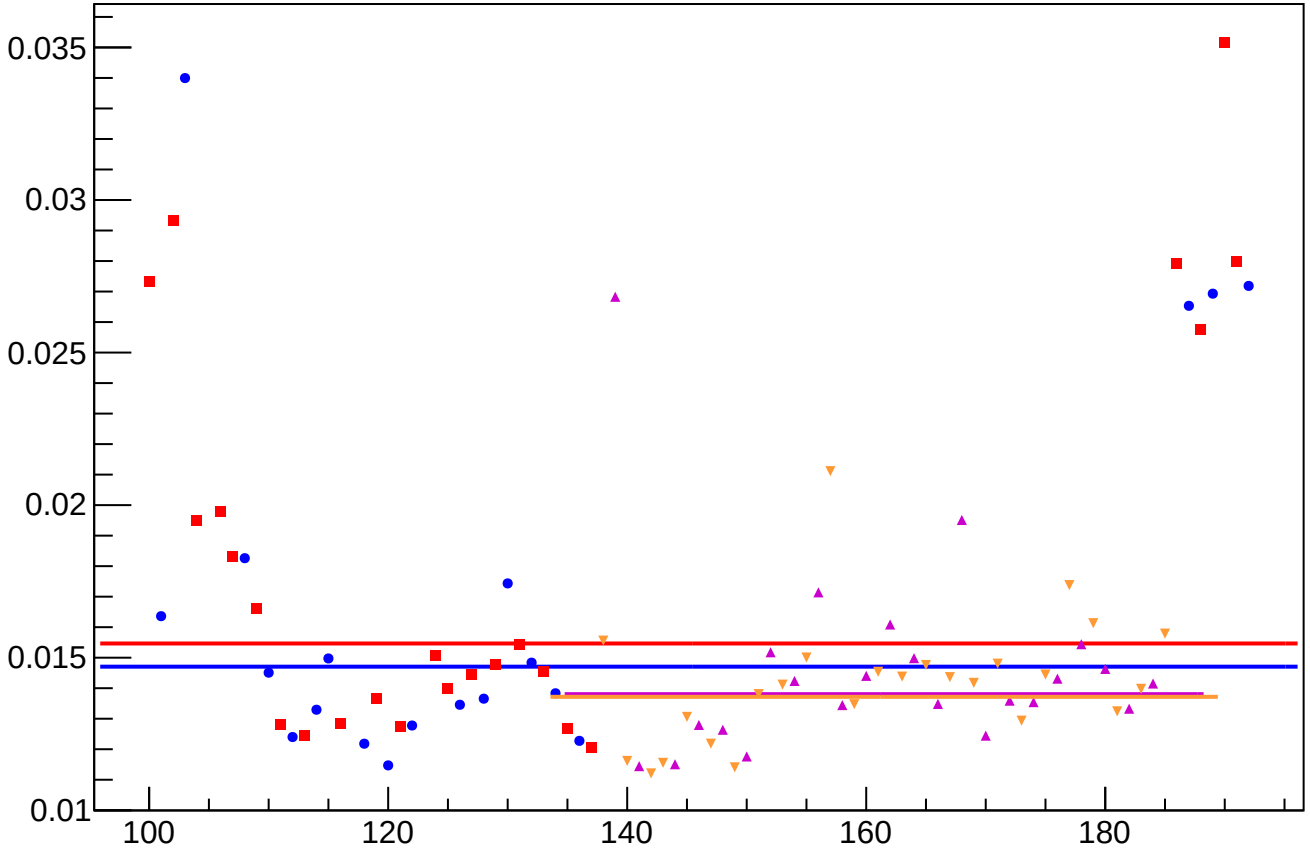
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.158+/-0.000 χ^2/NDF: 6478680462.5/43

All: 1.153+/-0.000 χ^2/NDF: 12678869453.1/8

- sign 1.148+/-0.000 χ^2/NDF: 6193596860.1/45

yield_bpm11X_rms vs Slug



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

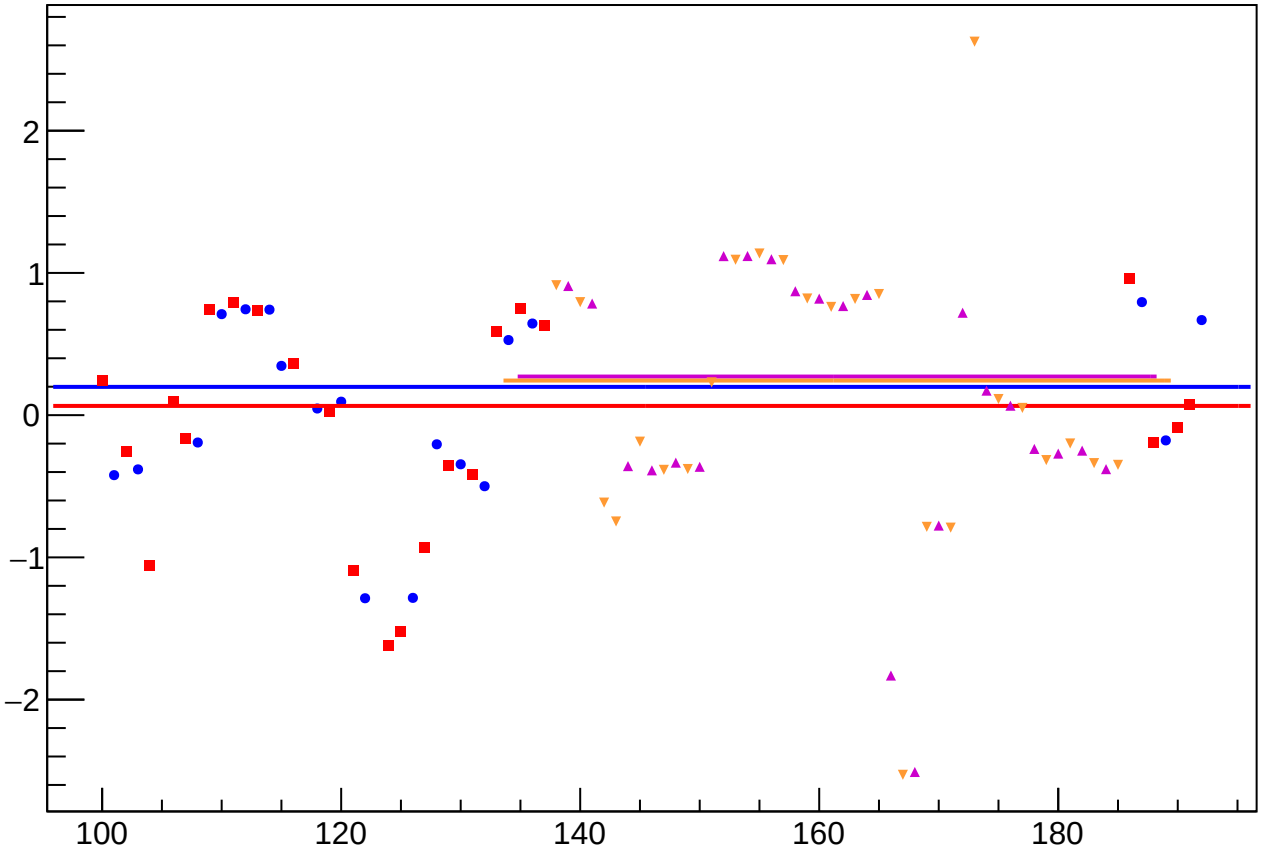
Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 1921729.7/43

All: 0.014+/-0.000 χ^2/NDF: 4285864.0/89

- sign 0.014+/-0.000 χ^2/NDF: 2354851.8/45

yield_bpm11Y_mean vs Slug



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

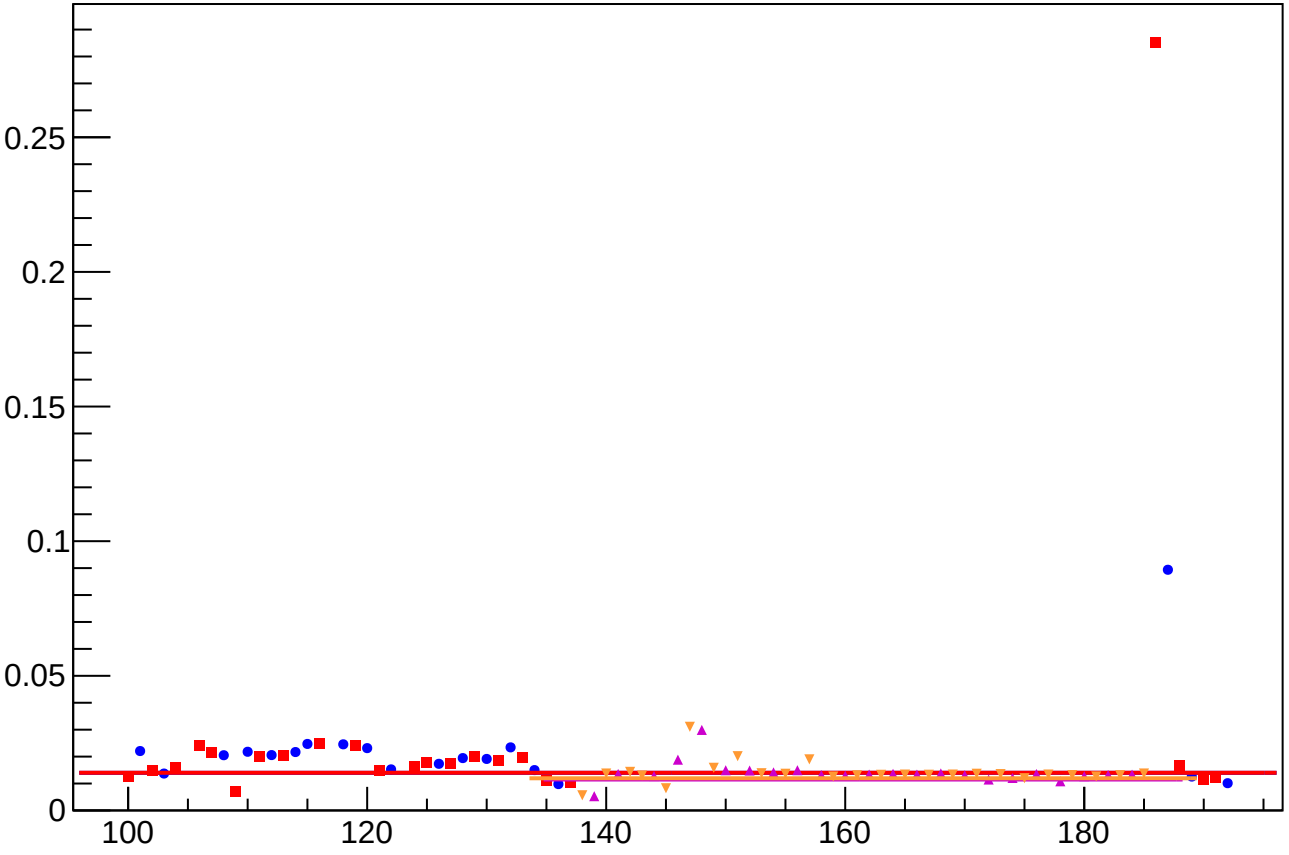
Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

+ sign 0.233+/-0.000 χ^2/NDF: 119561351176.9/43

All: 0.228+/-0.000 χ^2/NDF: 229266888300.0

- sign 0.223+/-0.000 χ^2/NDF: 109698474802.0/45

yield_bpm11Y_rms vs Slug



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

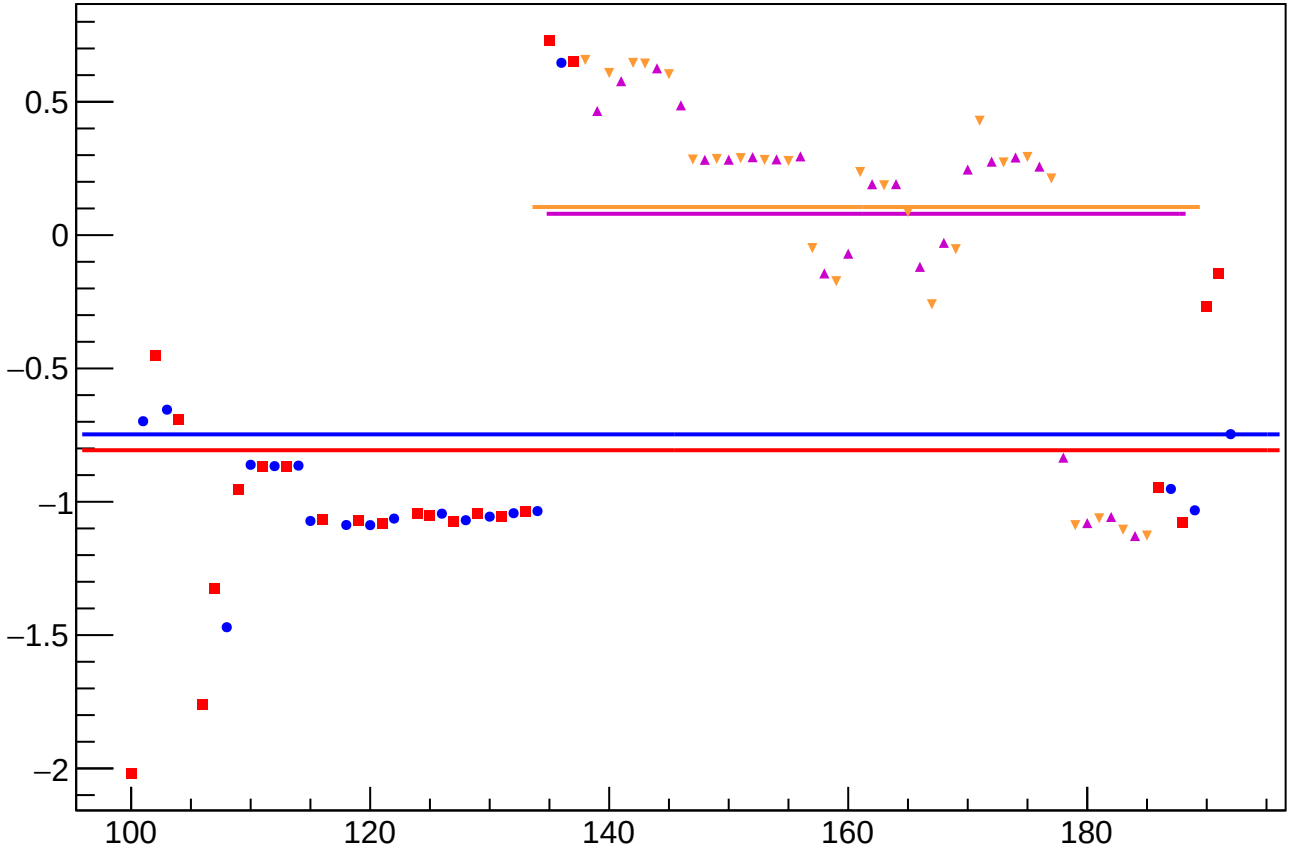
Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 5434871.3/43

All: 0.012+/-0.000 χ^2/NDF: 11917834.7/89

- sign 0.012+/-0.000 χ^2/NDF: 6463423.0/45

yield_bpm12X_mean vs Slug



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

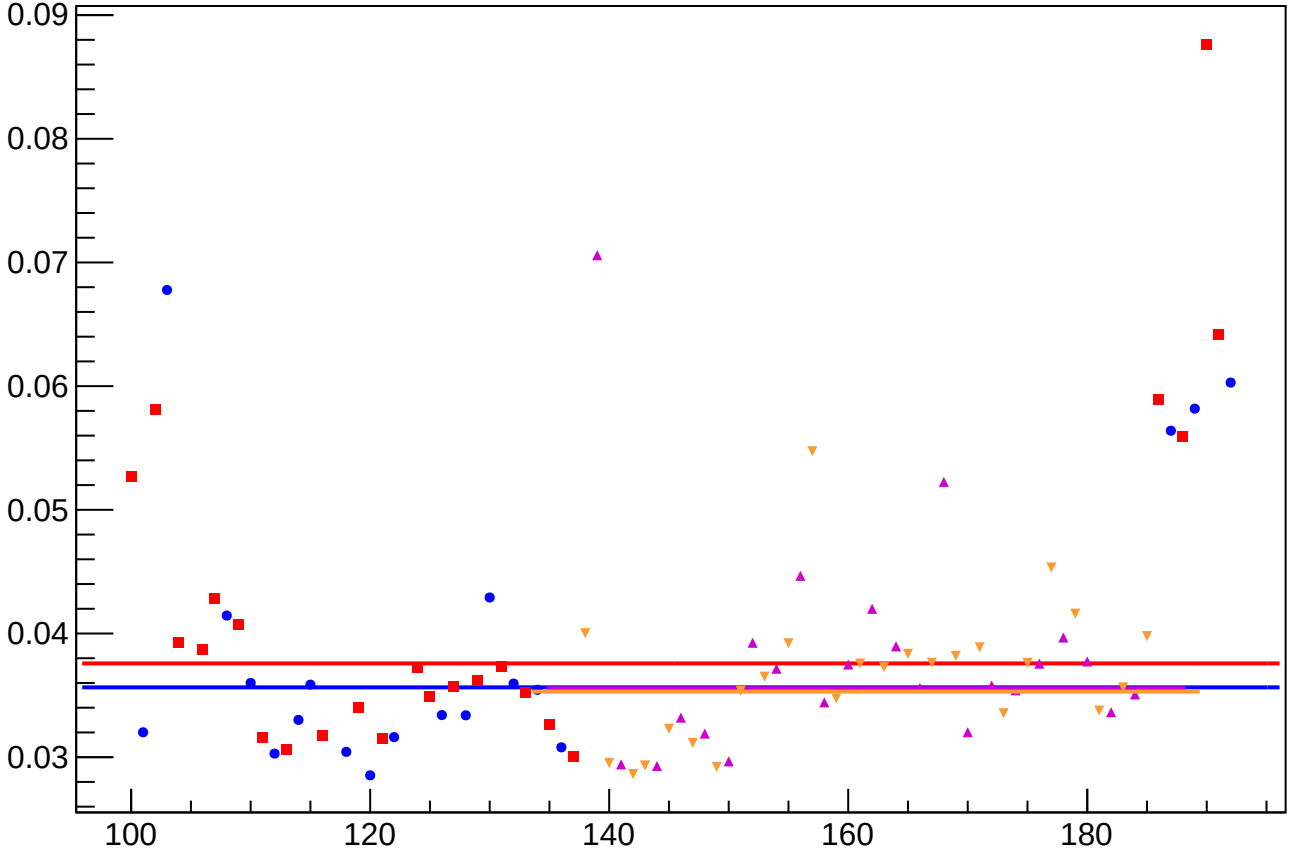
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.158+/-0.000 χ^2/NDF: 8899207656.0/43

All: -0.175+/-0.000 χ^2/NDF: 17213628255.8/

- sign -0.194+/-0.000 χ^2/NDF: 8302083179.6/45

yield_bpm12X_rms vs Slug



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

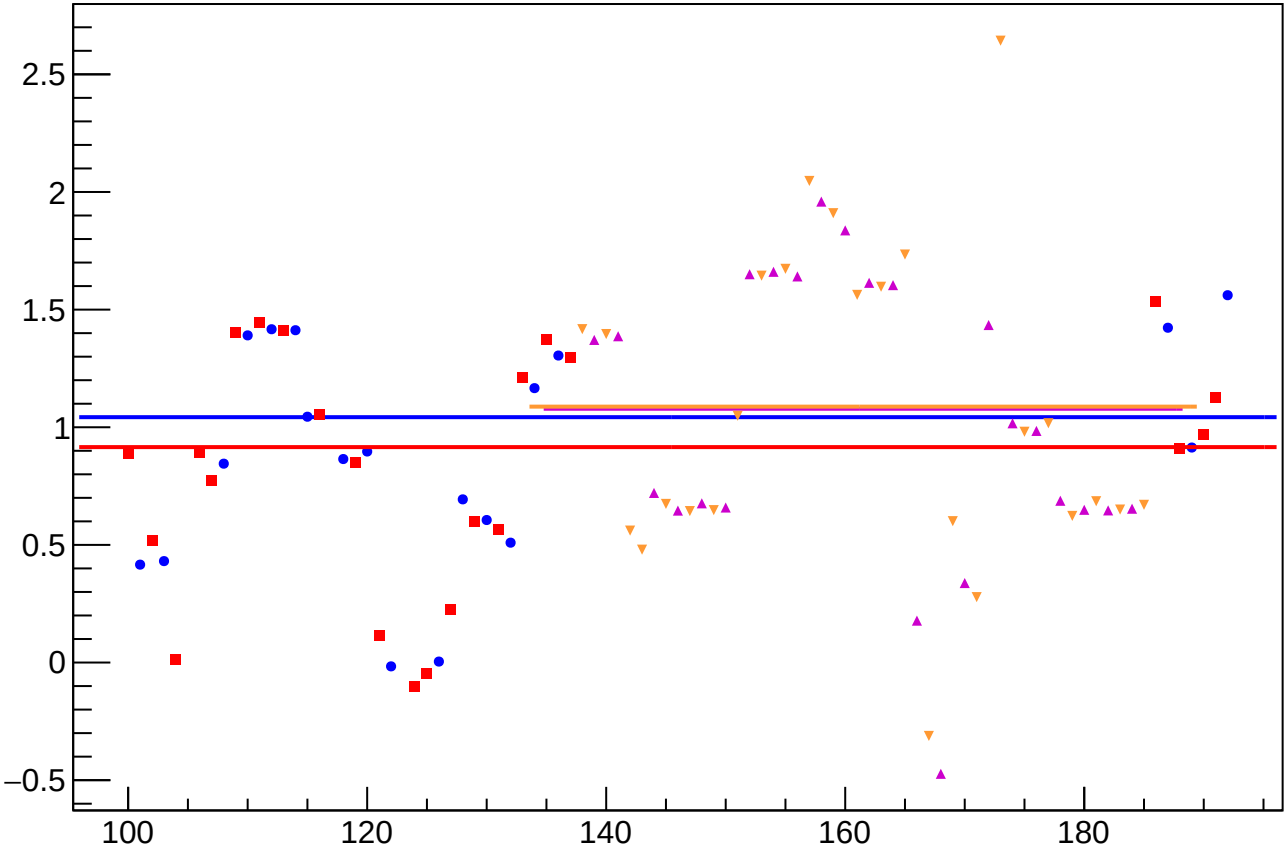
Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.035+/-0.000 χ^2/NDF: 1590474.1/43

All: 0.036+/-0.000 χ^2/NDF: 3536464.1/89

- sign 0.036+/-0.000 χ^2/NDF: 1934559.0/45

yield_bpm12Y_mean vs Slug



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

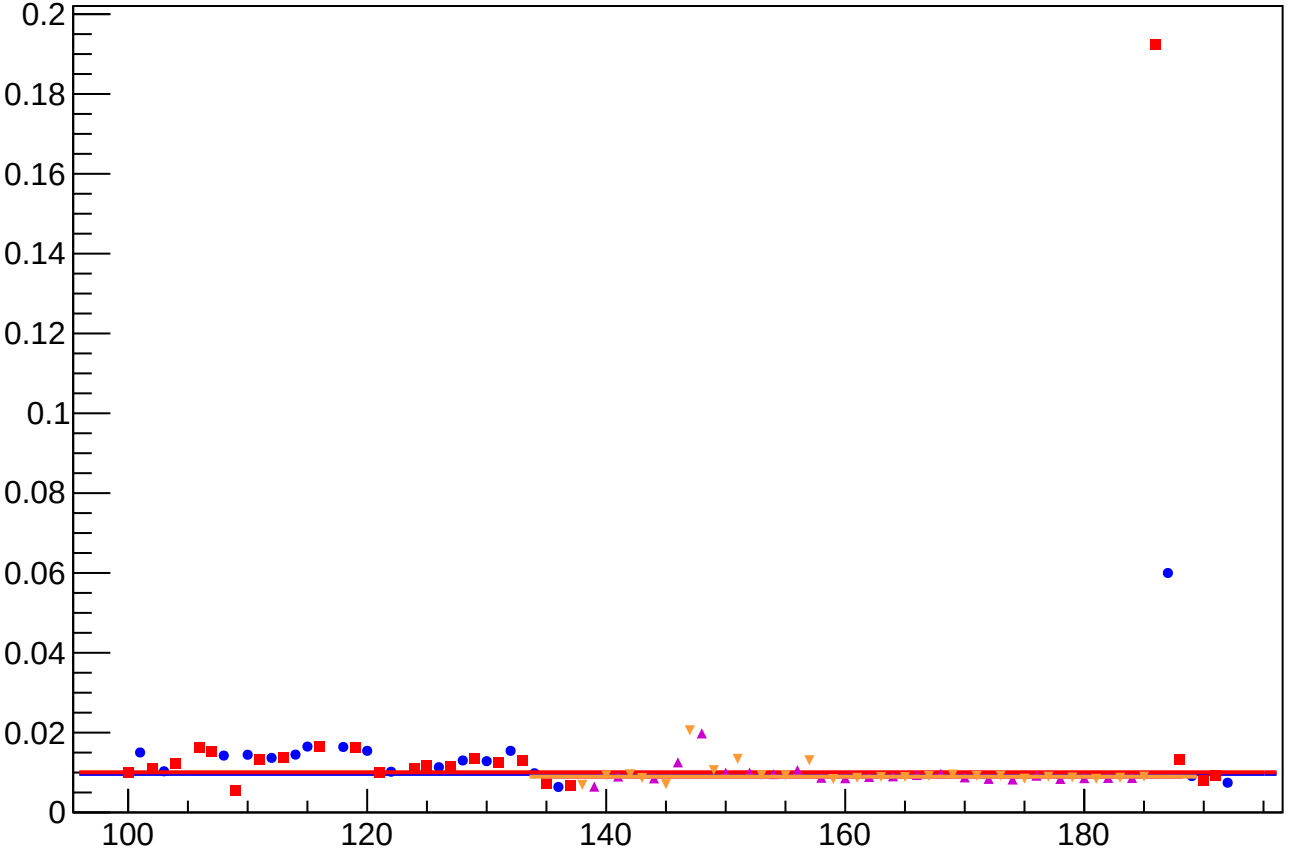
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.076+/-0.000 χ^2/NDF: 112655330241.4/43

All: 1.057+/-0.000 χ^2/NDF: 206432322491.7

- sign 1.037+/-0.000 χ^2/NDF: 93557027093.6/45

yield_bpm12Y_rms vs Slug



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

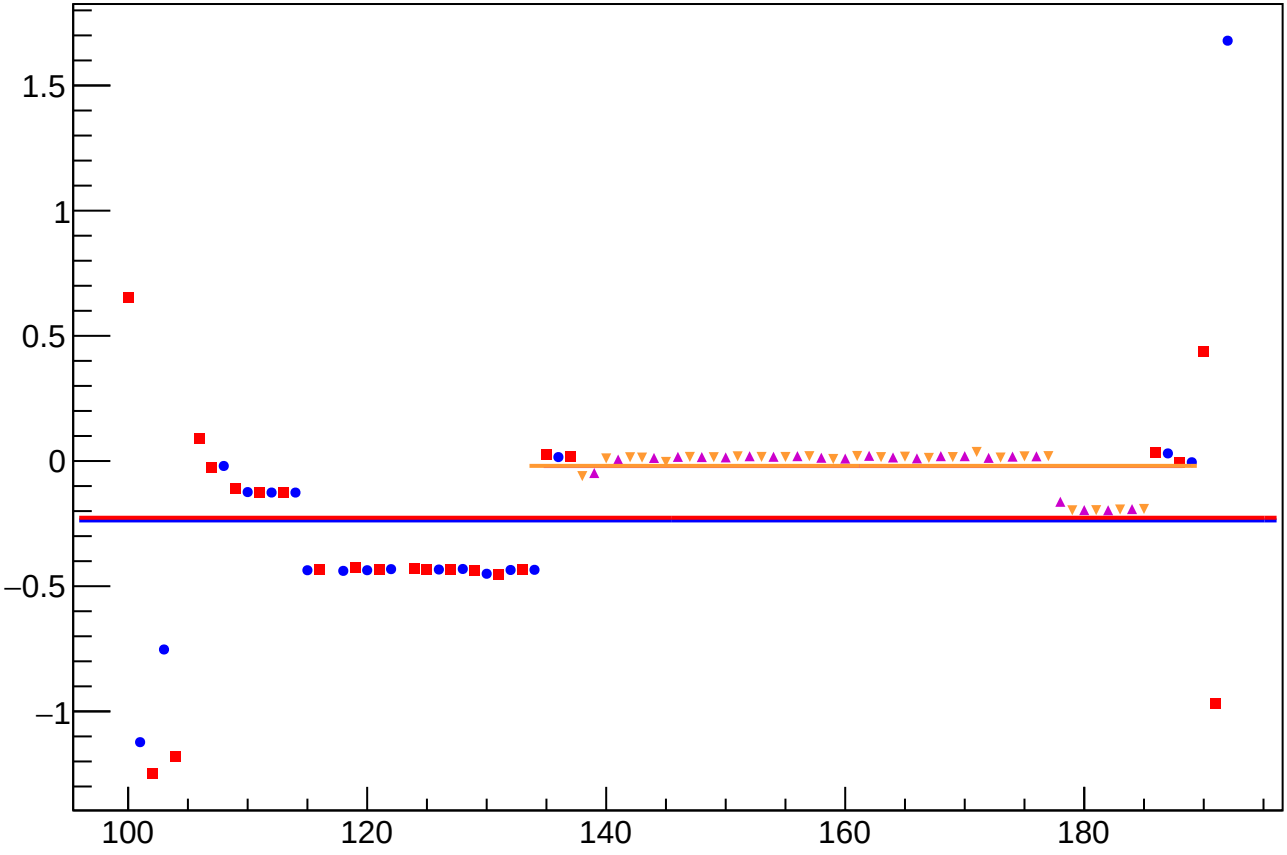
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 3023253.9/43

All: 0.009+/-0.000 χ^2/NDF: 6266900.3/89

- sign 0.009+/-0.000 χ^2/NDF: 3241707.1/45

yield_bpm16X_mean vs Slug



Right In: -0.237+/-0.000 χ^2/NDF: 2988029932.3/18

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

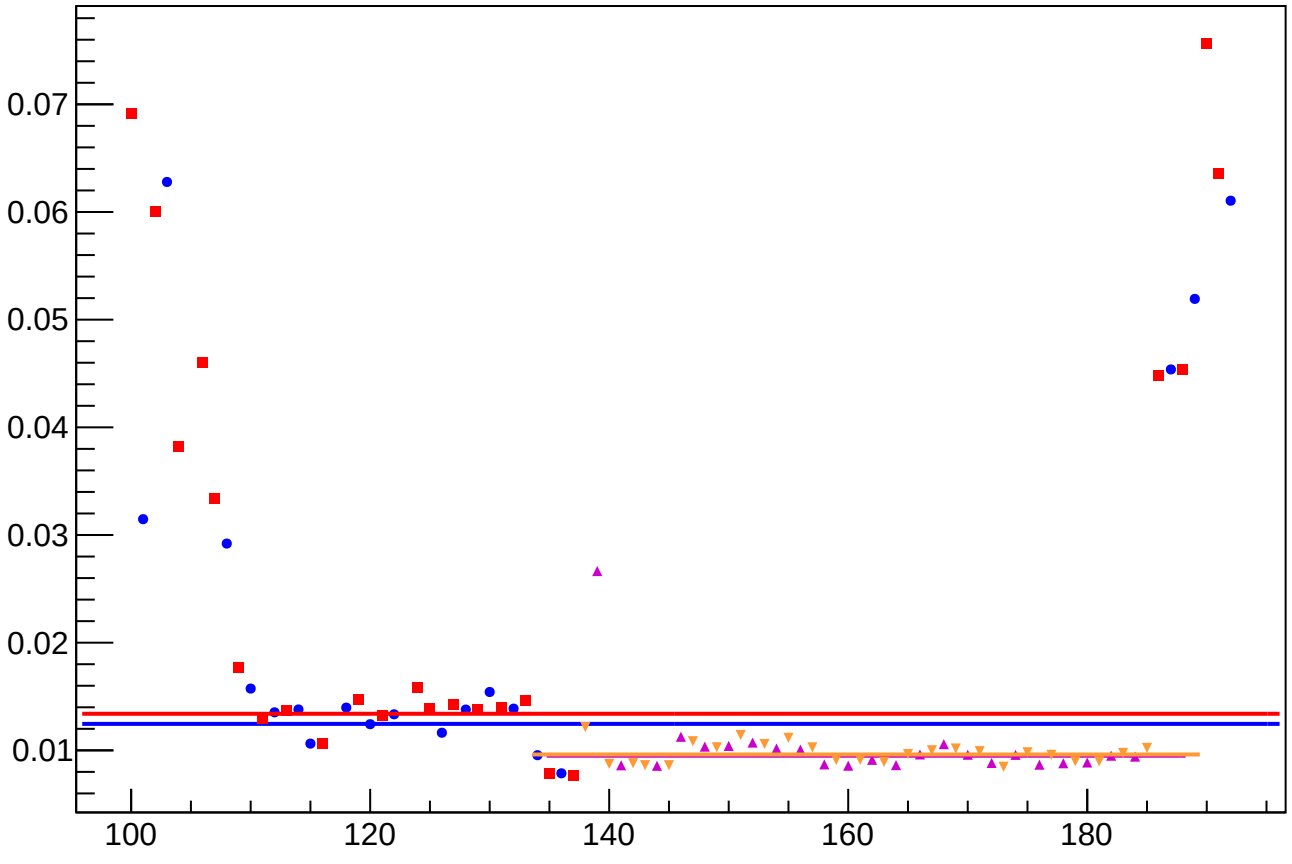
Right Out: -0.227+/-0.000 χ^2/NDF: 1901891039.6/22

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.056+/-0.000 χ^2/NDF: 5469812158.7/43

All: -0.055+/-0.000 χ^2/NDF: 9518160554.4/8

- sign -0.053+/-0.000 χ^2/NDF: 4047585002.9/45



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

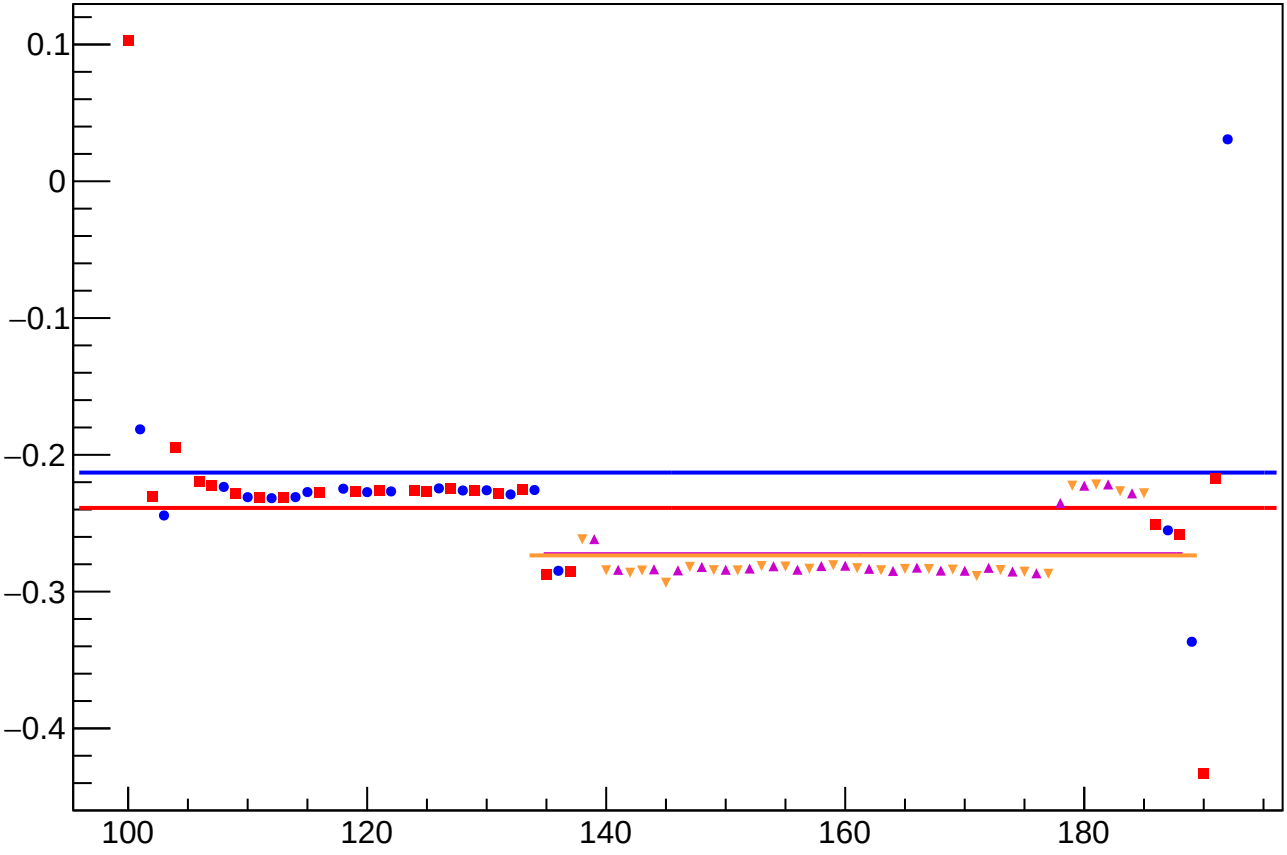
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 4665954.3/43

All: 0.010+/-0.000 χ^2/NDF: 10672723.4/89

- sign 0.010+/-0.000 χ^2/NDF: 6006561.6/45

yield_bpm16Y_mean vs Slug



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

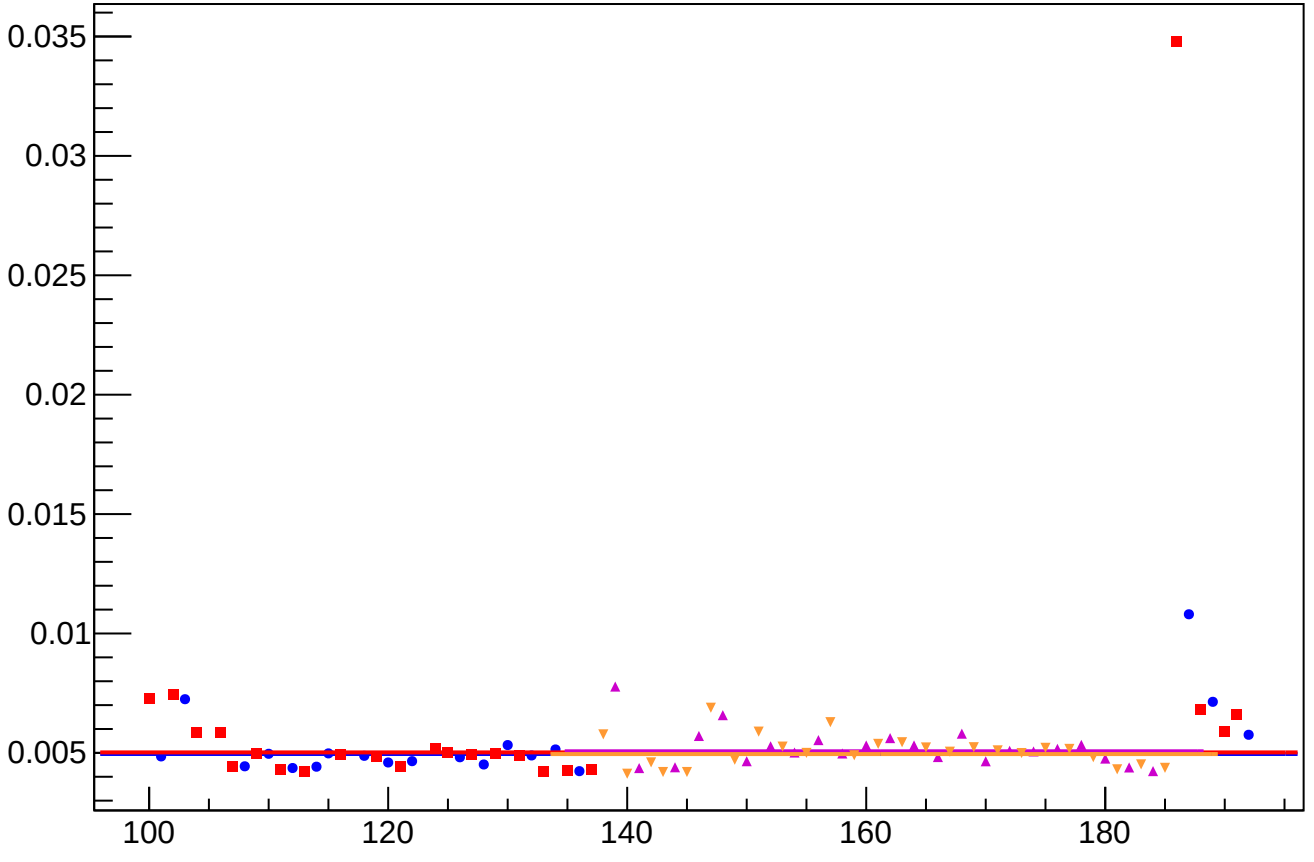
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.255+/-0.000 χ^2/NDF: 3387590574.4/43

All: -0.258+/-0.000 χ^2/NDF: 4654828911.8/8

- sign -0.262+/-0.000 χ^2/NDF: 1245611368.5/45

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 444550.9/18

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

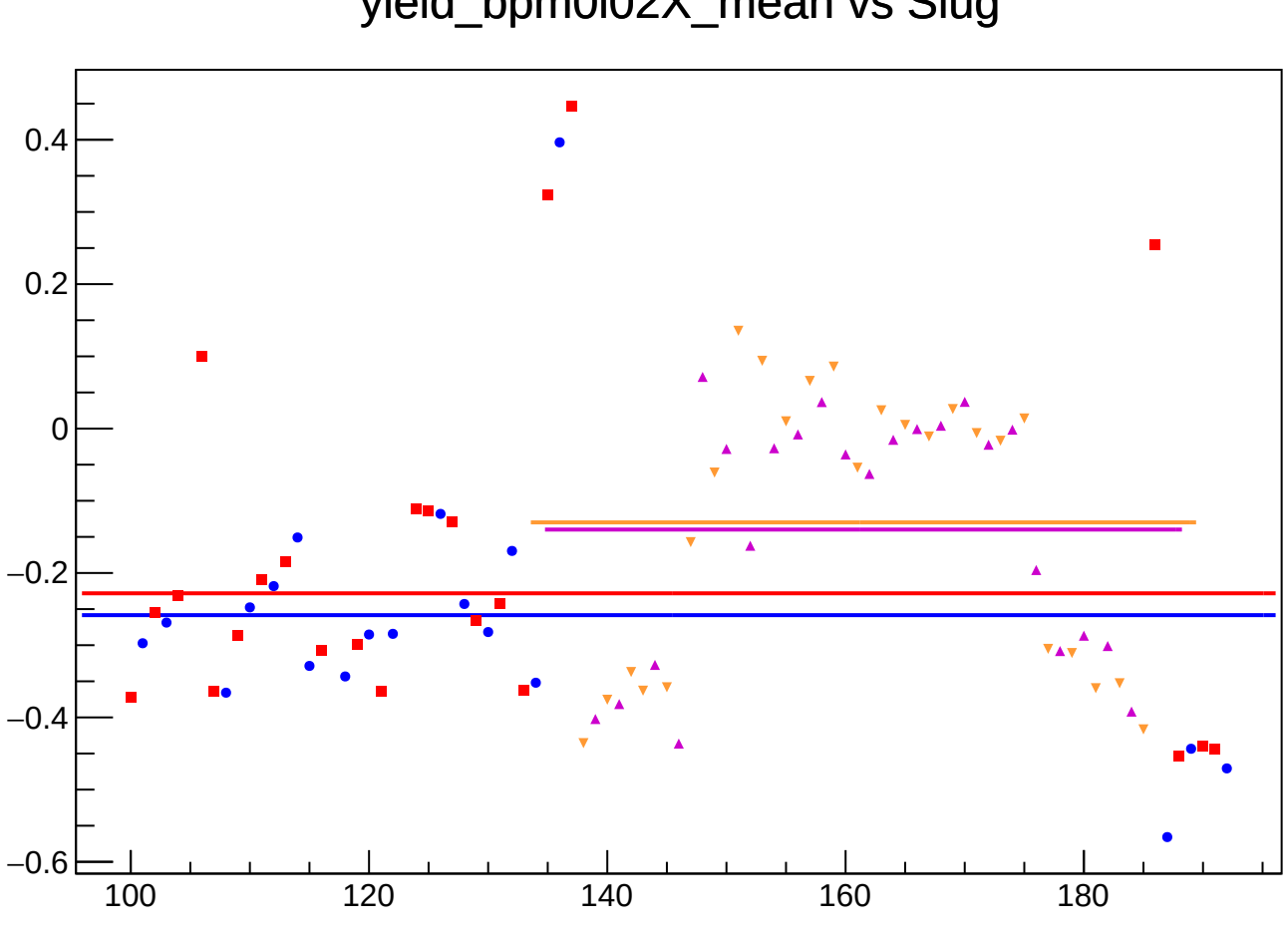
Right Out: 0.005+/-0.000 χ^2/NDF: 1050237.7/22

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 973325.2/43

All: 0.005+/-0.000 χ^2/NDF: 2574174.1/89

- sign 0.005+/-0.000 χ^2/NDF: 1590574.4/45



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

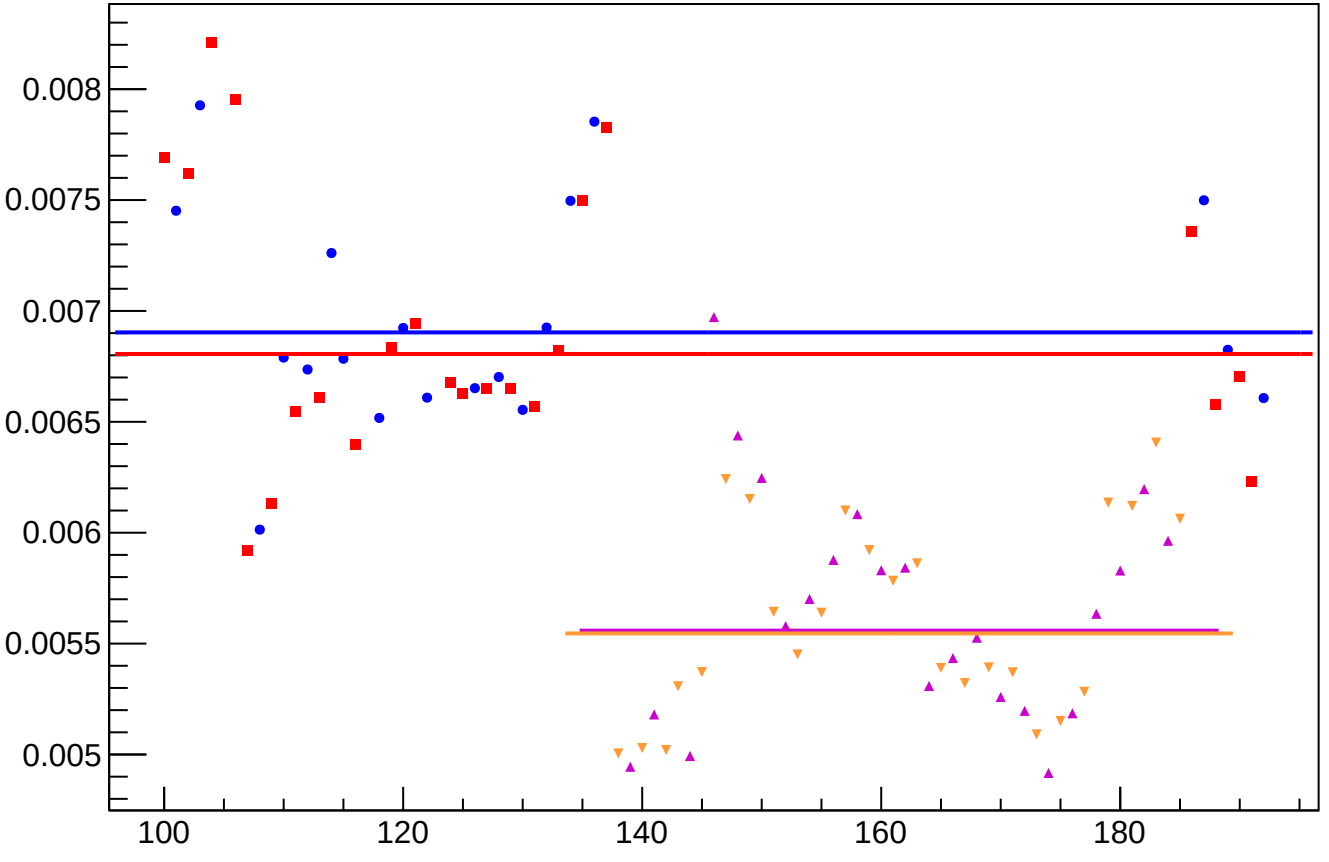
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.160+/-0.000 χ^2/NDF: 32095812184.2/43

All: -0.161+/-0.000 χ^2/NDF: 57222115749.6/

- sign -0.163+/-0.000 χ^2/NDF: 25123159300.7/45

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 91901.8/18

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

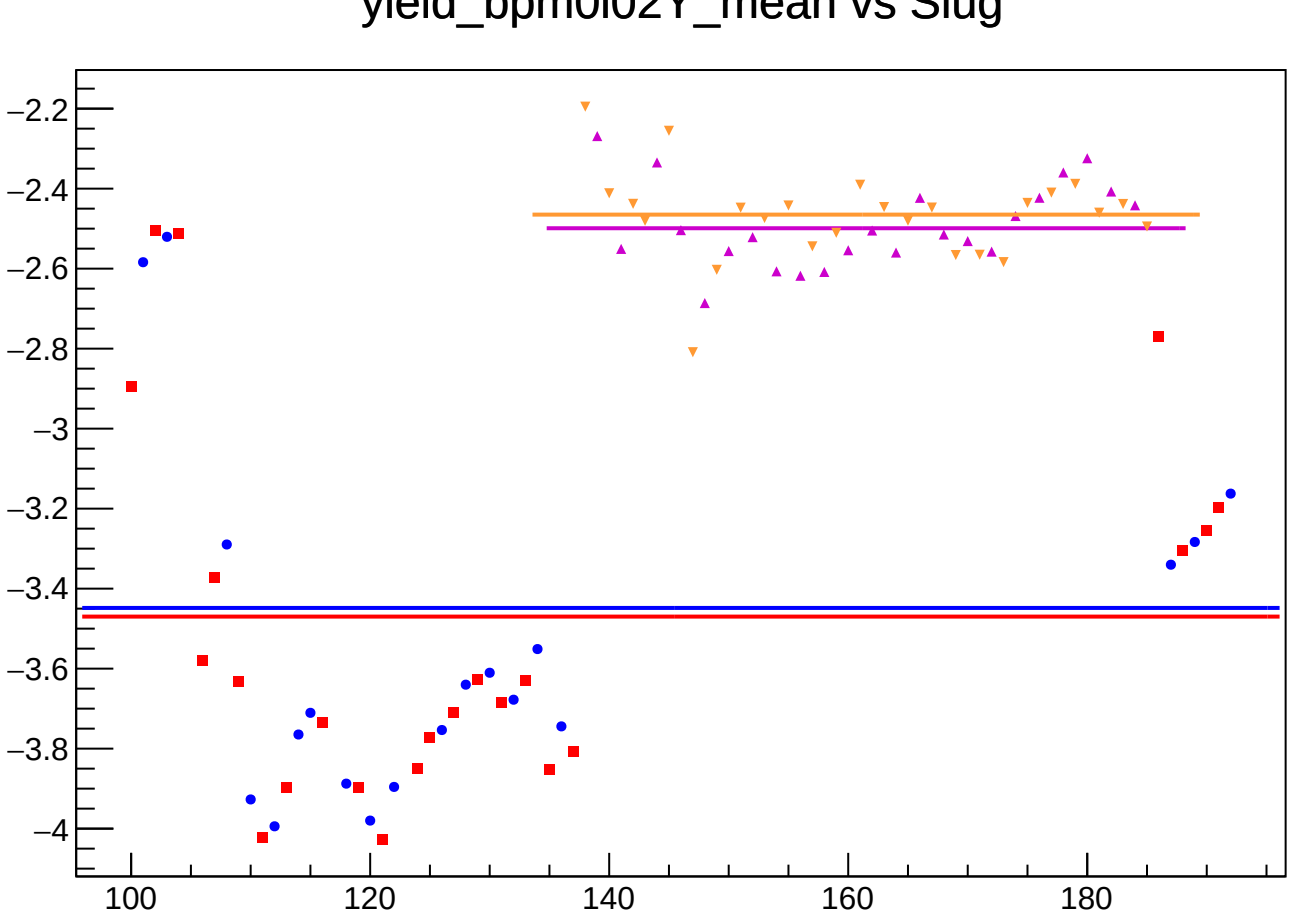
Right Out: 0.007+/-0.000 χ^2/NDF: 111450.6/22

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 809157.0/43

All: 0.006+/-0.000 χ^2/NDF: 1635728.8/89

- sign 0.006+/-0.000 χ^2/NDF: 826266.7/45



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

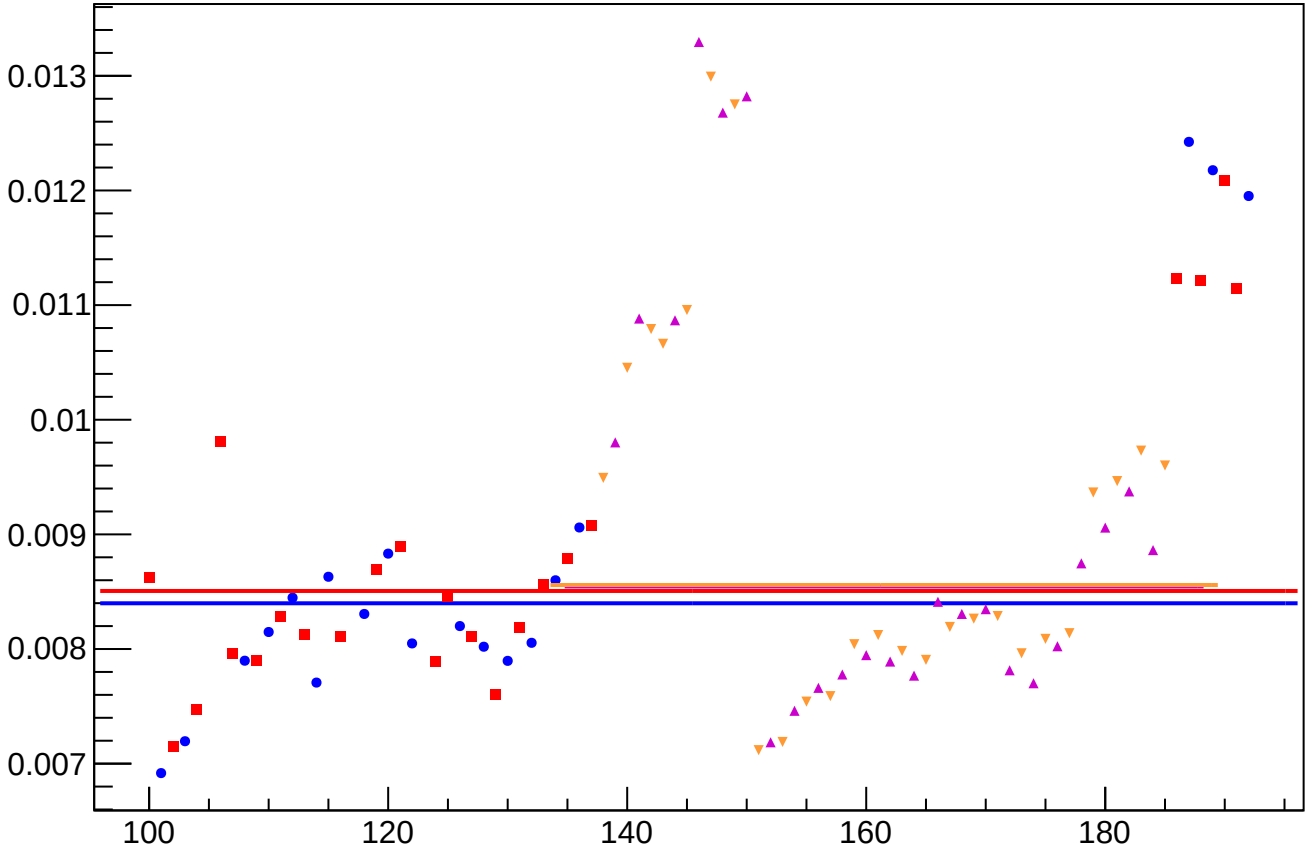
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.787+/-0.000 χ^2/NDF: 110578003032.3/43

All: -2.810+/-0.000 χ^2/NDF: 221139526109.6

- sign -2.834+/-0.000 χ^2/NDF: 110165809970.1/45

yield_bpm0i02Y_rms vs Slug



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

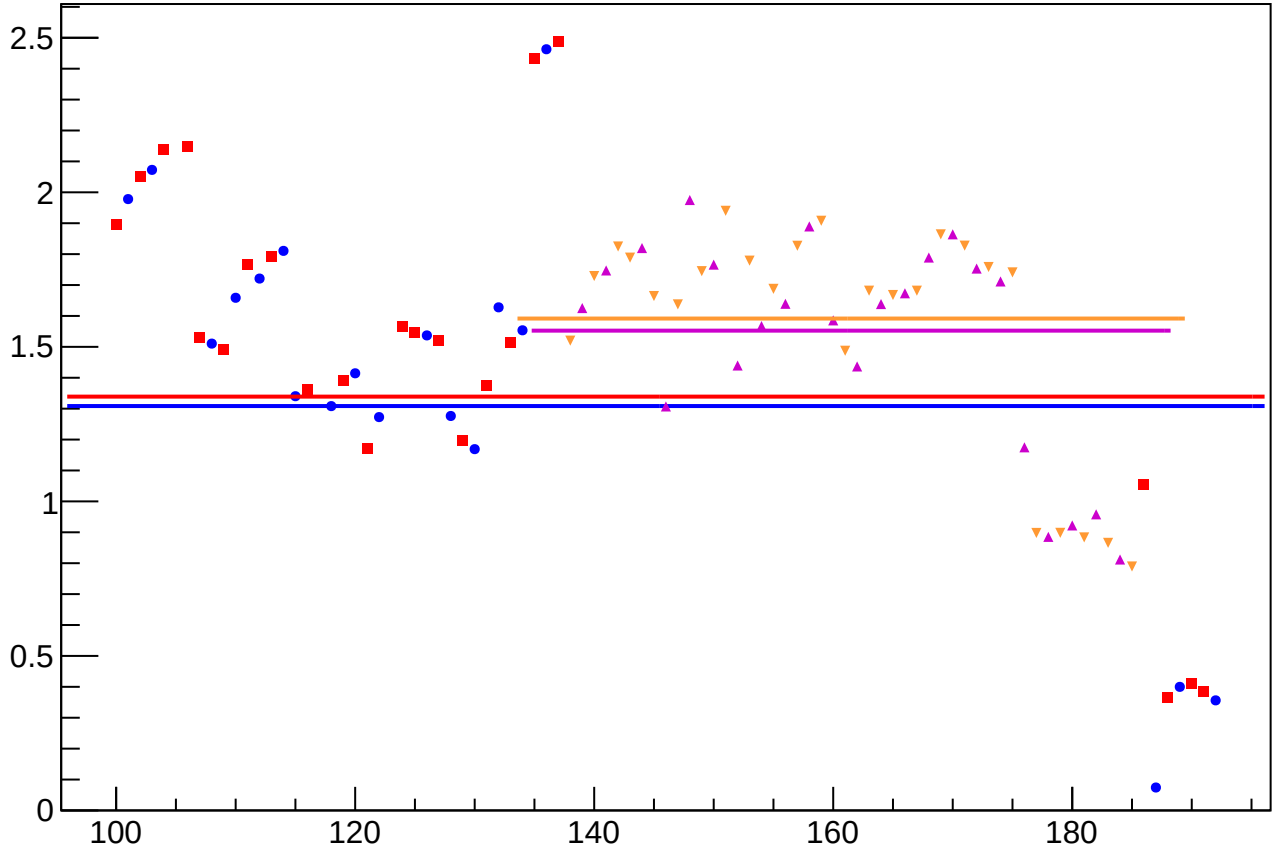
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 1252535.0/43

All: 0.009+/-0.000 χ^2/NDF: 2510796.7/89

- sign 0.009+/-0.000 χ^2/NDF: 1258015.0/45

yield_bpm0i02aX_mean vs Slug



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

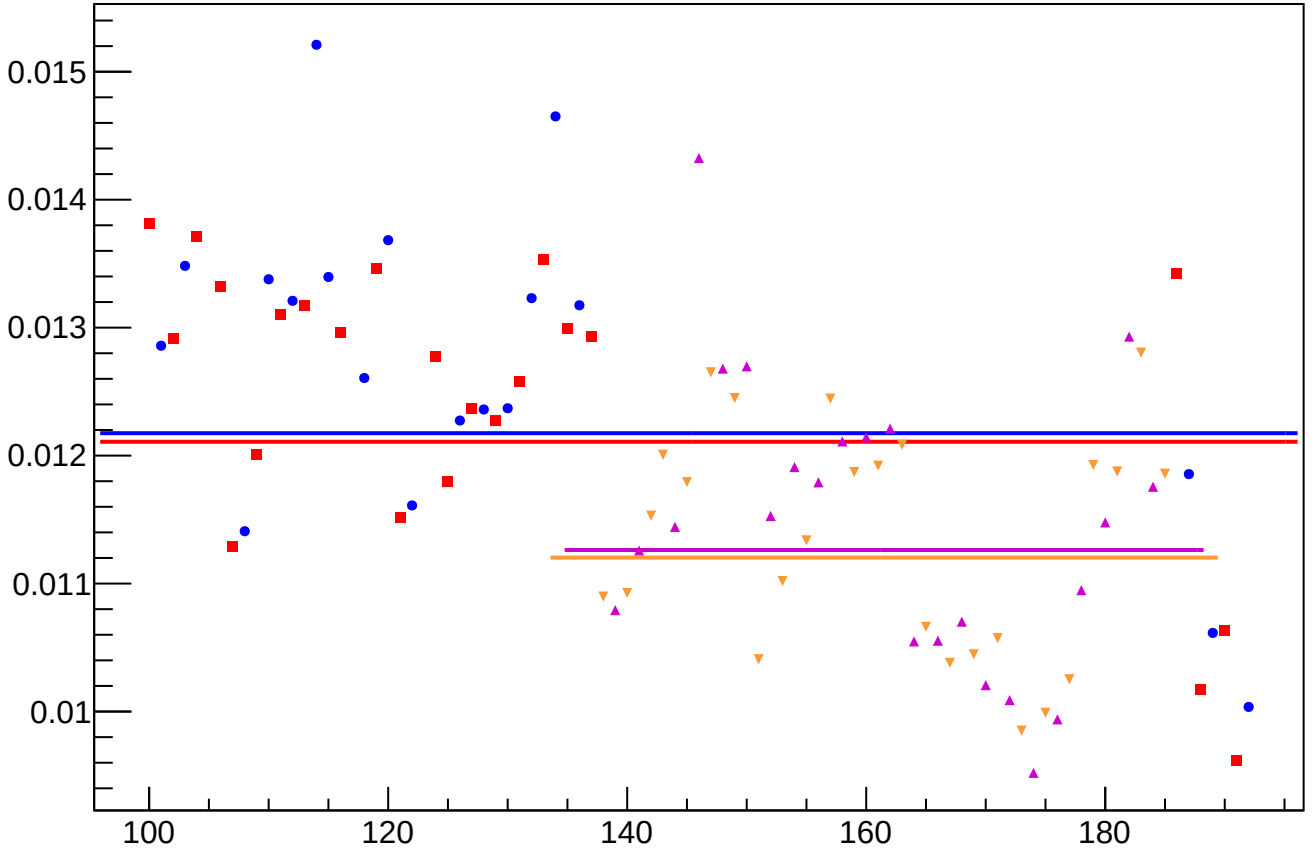
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.511+/-0.000 χ^2/NDF: 46675122317.5/43

All: 1.499+/-0.000 χ^2/NDF: 87783554066.2/8

- sign 1.486+/-0.000 χ^2/NDF: 41043048441.5/45

yield_bpm0i02aX_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 199580.1/18

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

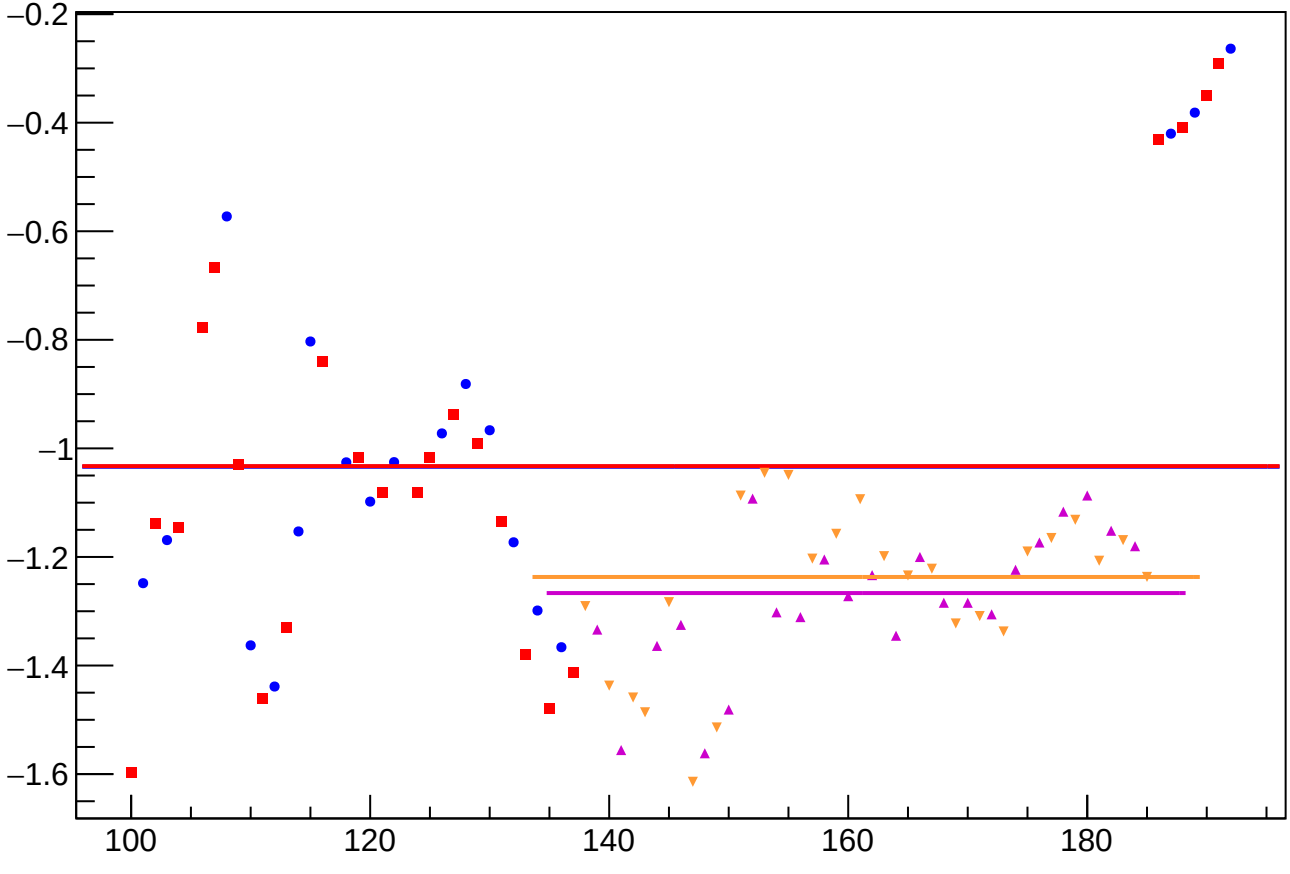
Right Out: 0.012+/-0.000 χ^2/NDF: 195799.2/22

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.011+/-0.000 χ^2/NDF: 501840.5/43

All: 0.012+/-0.000 χ^2/NDF: 1070620.0/89

- sign 0.012+/-0.000 χ^2/NDF: 568327.2/45



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

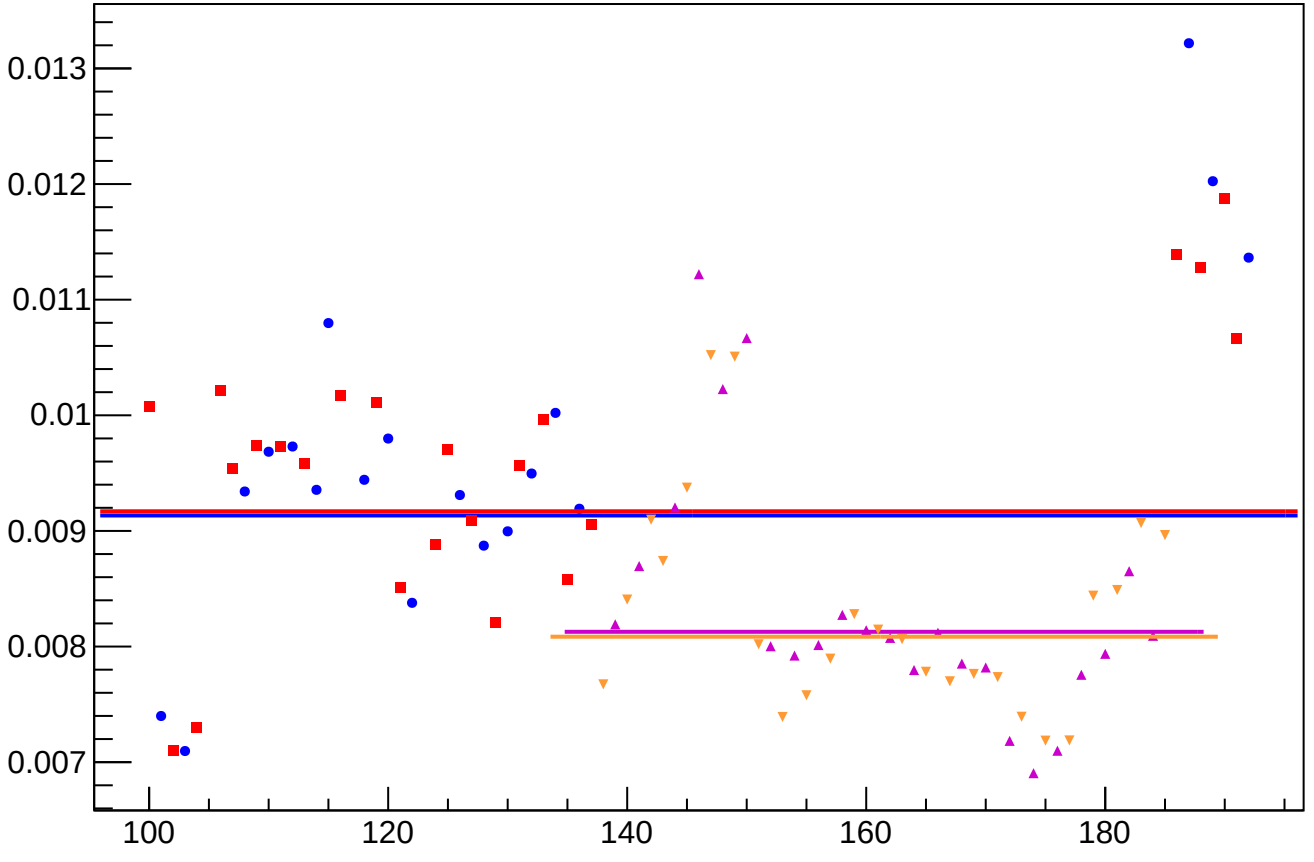
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.183+/-0.000 χ^2/NDF: 18884603342.7/43

All: -1.191+/-0.000 χ^2/NDF: 37537673584.6/

- sign -1.199+/-0.000 χ^2/NDF: 18601161277.9/45

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 361734.3/18

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

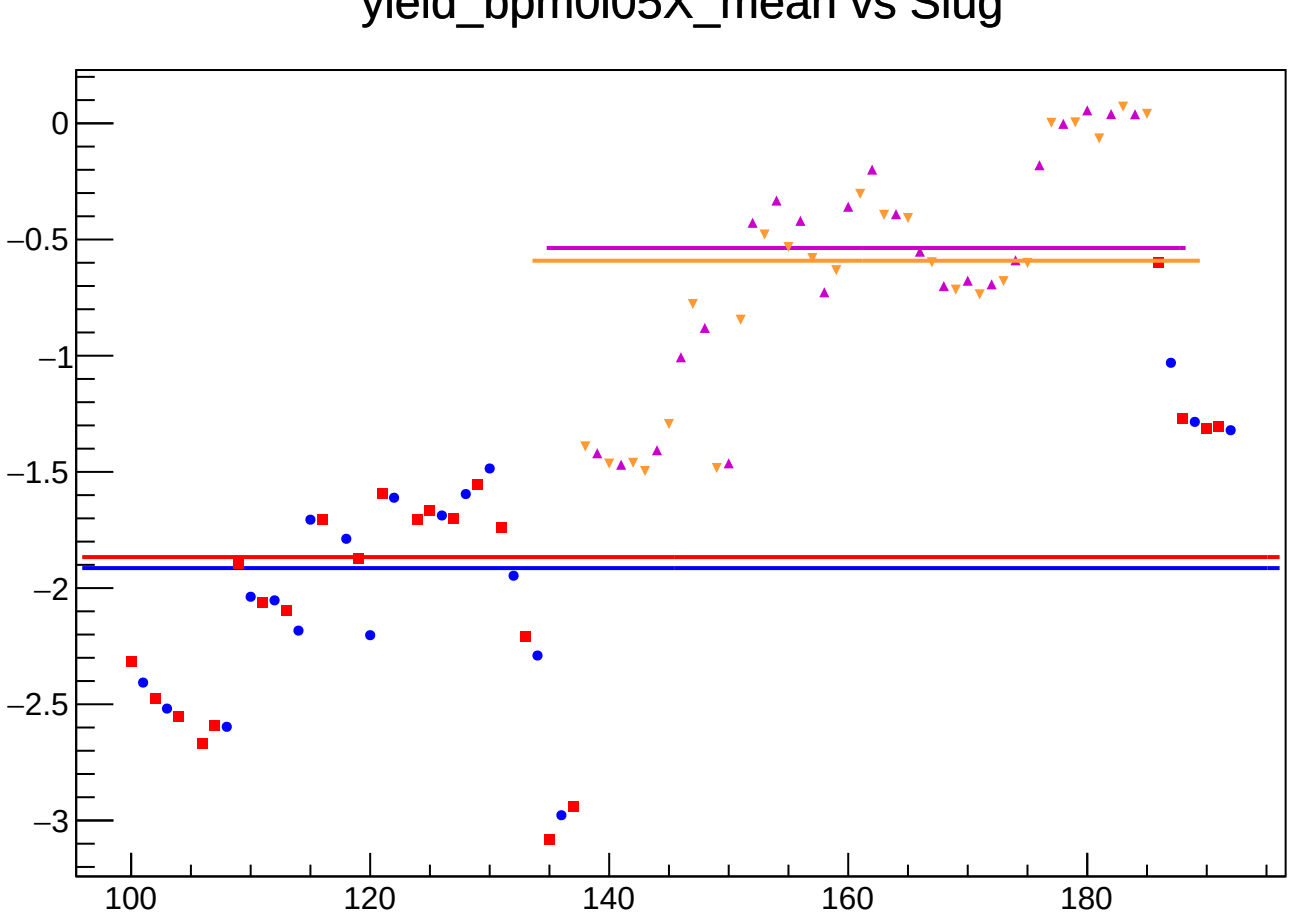
Right Out: 0.009+/-0.000 χ^2/NDF: 366474.7/22

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 850744.8/43

All: 0.008+/-0.000 χ^2/NDF: 1789216.8/89

- sign 0.008+/-0.000 χ^2/NDF: 937068.9/45



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

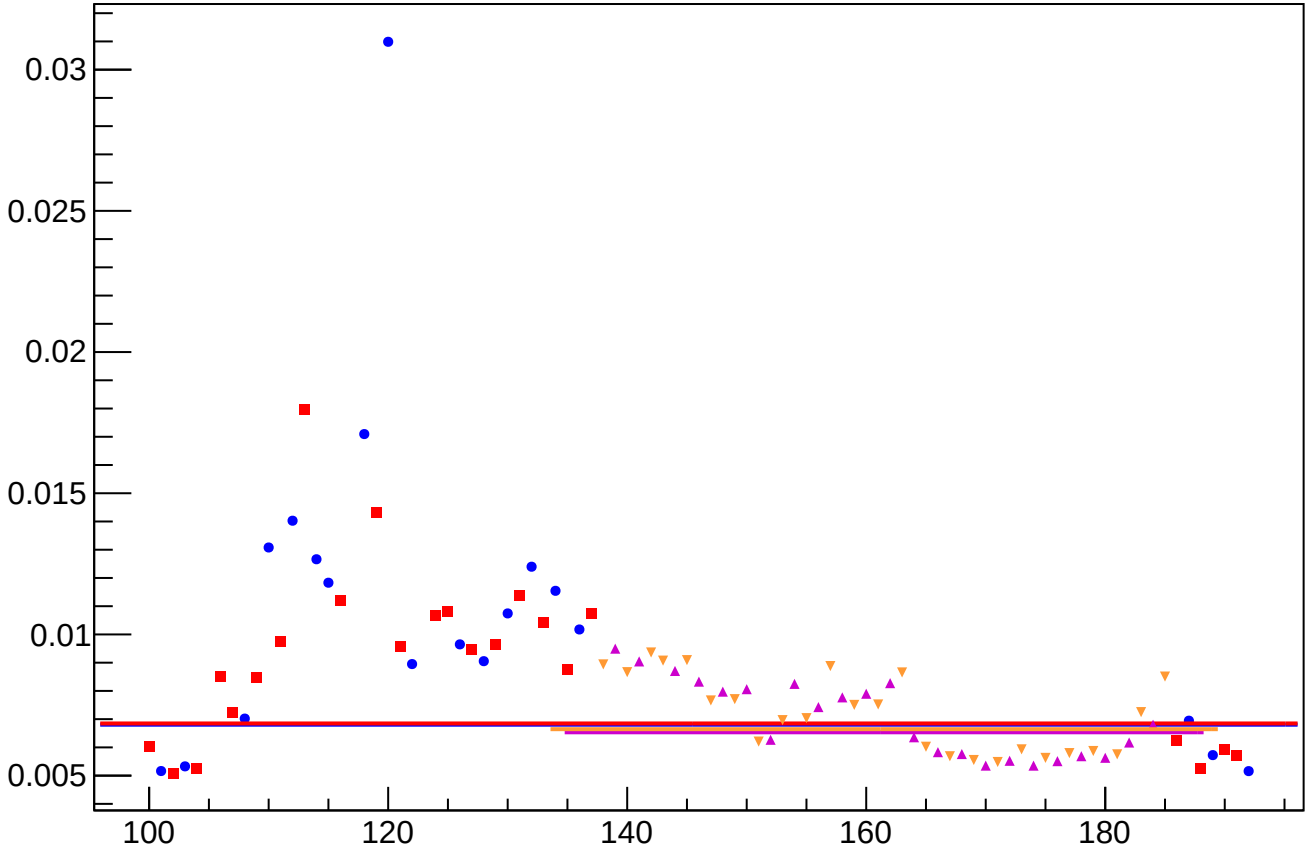
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.948+/-0.000 χ^2/NDF: 299742367757.1/43

All: -0.936+/-0.000 χ^2/NDF: 626010797781.3

- sign -0.925+/-0.000 χ^2/NDF: 326130910573.0/45

yield_bpm0i05X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 2052237.8/18

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

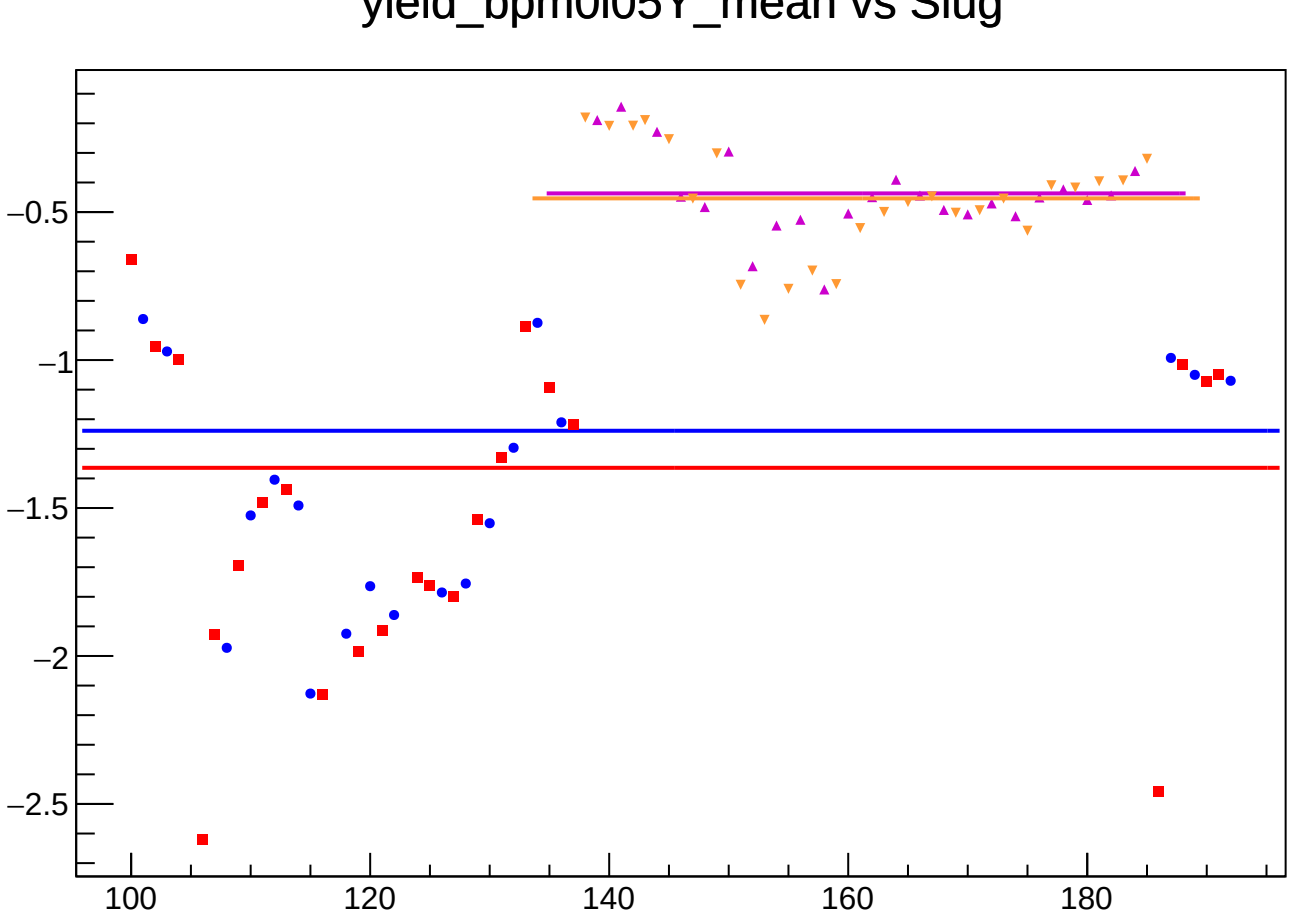
Right Out: 0.007+/-0.000 χ^2/NDF: 1640637.6/22

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 3149312.4/43

All: 0.007+/-0.000 χ^2/NDF: 5964285.0/89

- sign 0.007+/-0.000 χ^2/NDF: 2812979.3/45



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

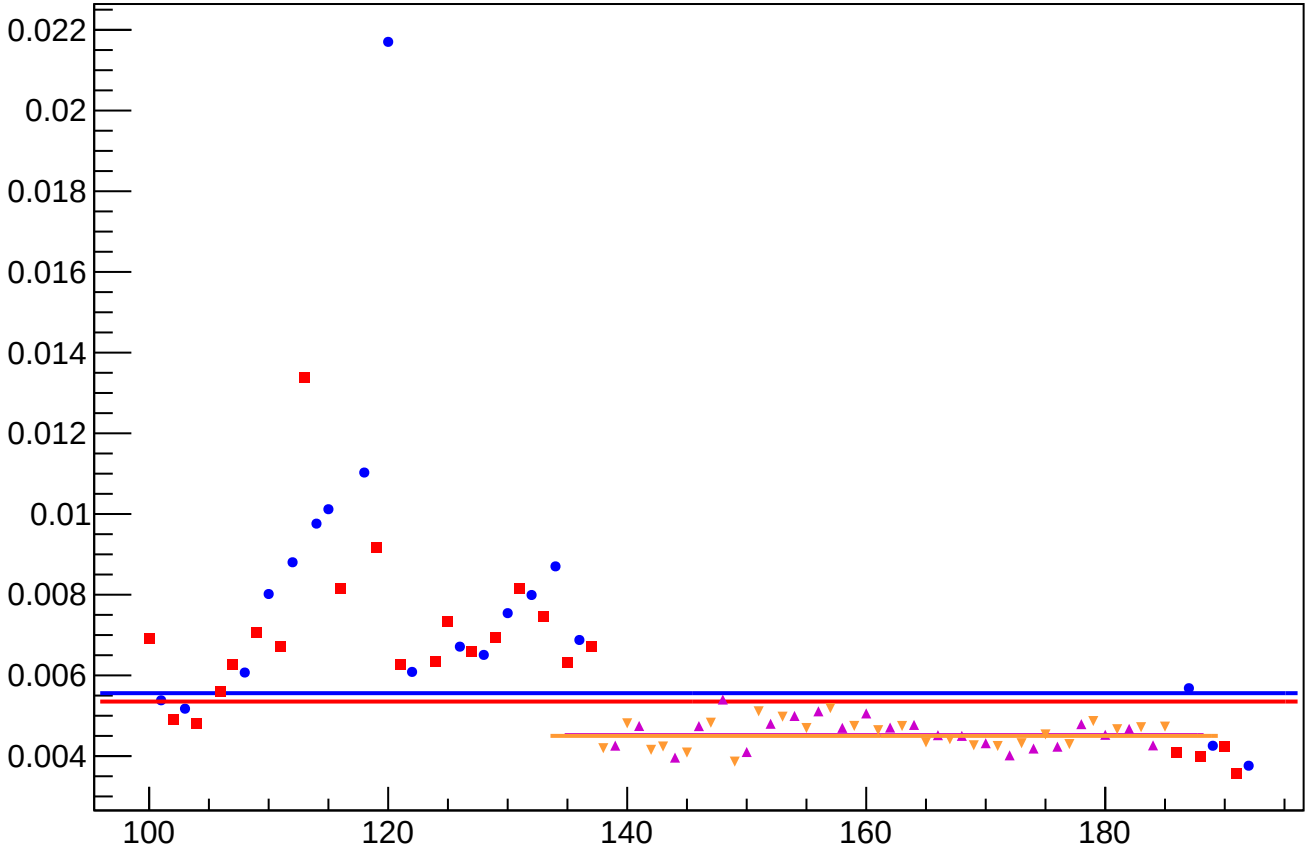
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.613+/-0.000 χ^2/NDF: 164224897260.6/43

All: -0.638+/-0.000 χ^2/NDF: 417972338722.0

- sign -0.663+/-0.000 χ^2/NDF: 252412077035.4/45

yield_bpm0i05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1467820.9/18

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

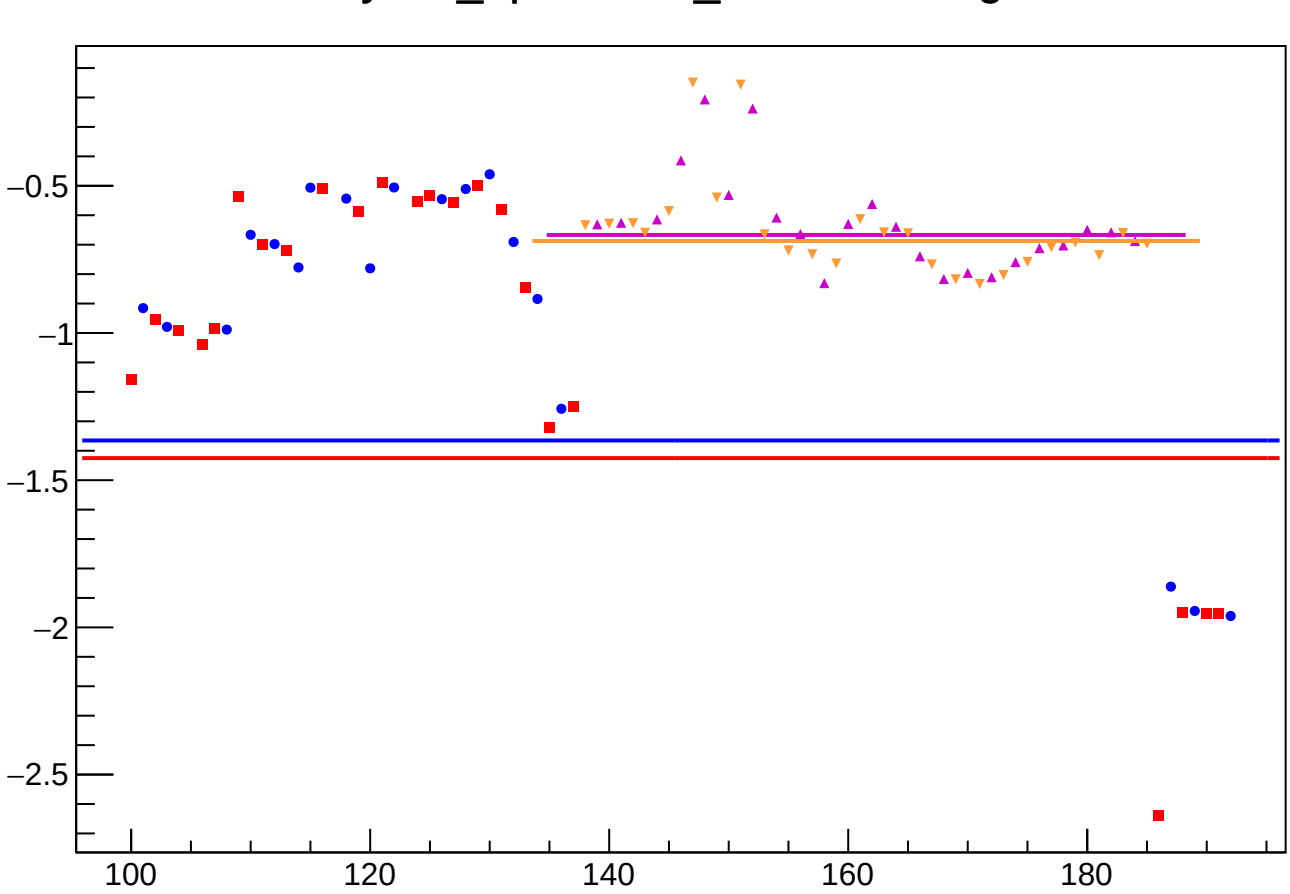
Right Out: 0.005+/-0.000 χ^2/NDF: 1250408.5/22

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2052500.0/43

All: 0.005+/-0.000 χ^2/NDF: 3789076.6/89

- sign 0.005+/-0.000 χ^2/NDF: 1736521.4/45



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

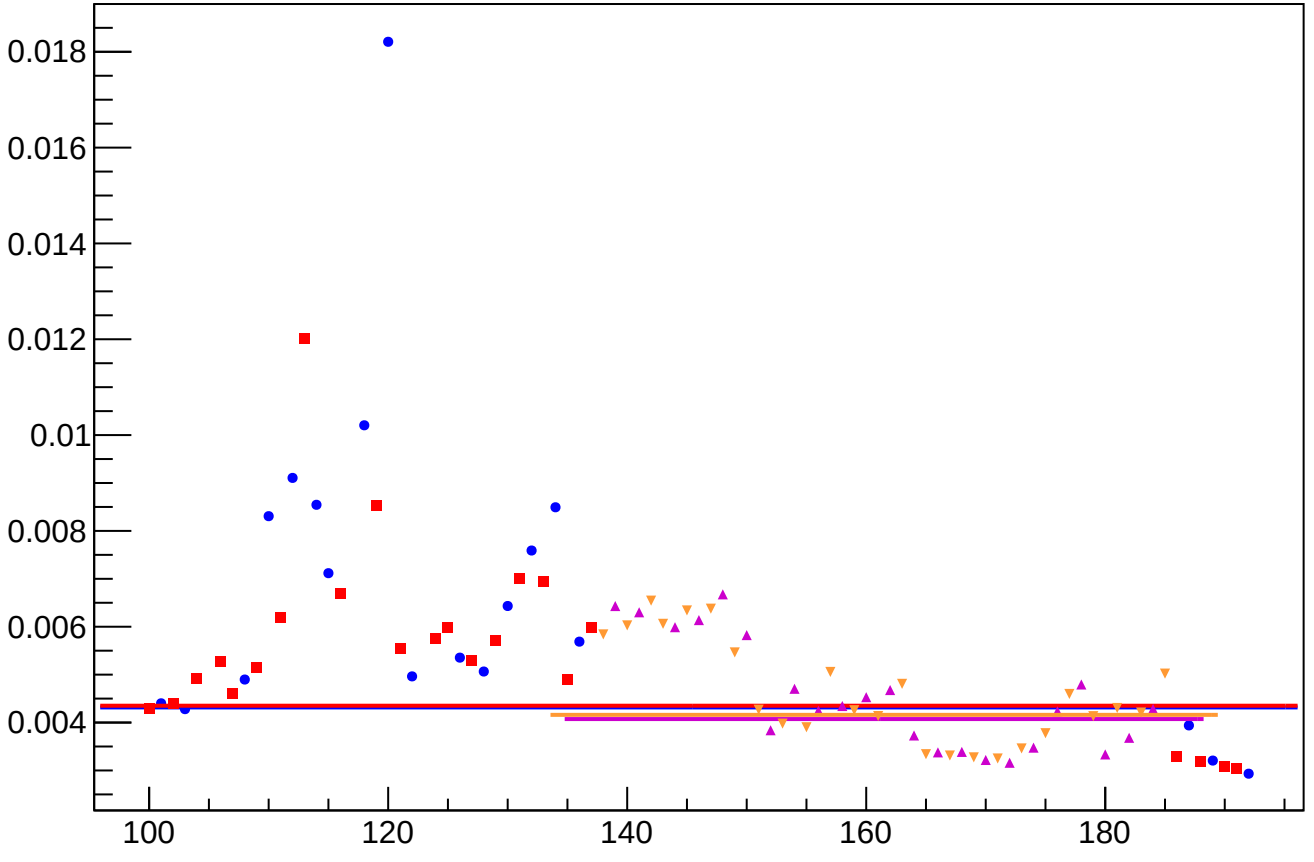
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.870+/-0.000 χ^2/NDF: 267134796988.5/43

All: -0.879+/-0.000 χ^2/NDF: 634275837170.4

- sign -0.887+/-0.000 χ^2/NDF: 366938180536.9/45

yield_bpm0i07X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 1995253.9/18

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

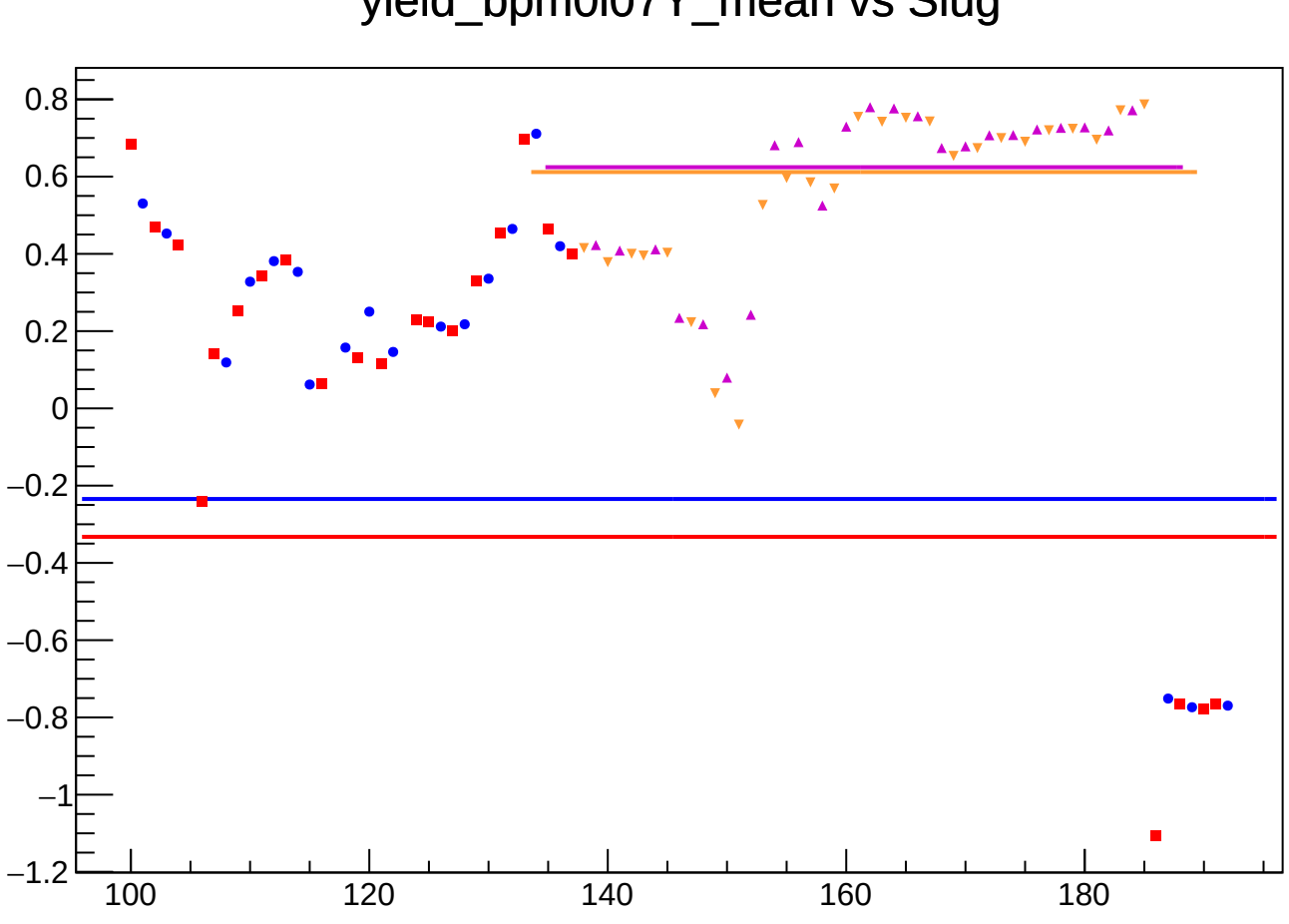
Right Out: 0.004+/-0.000 χ^2/NDF: 1532649.3/22

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 3527822.3/43

All: 0.004+/-0.000 χ^2/NDF: 6856901.6/89

- sign 0.004+/-0.000 χ^2/NDF: 3325947.8/45



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

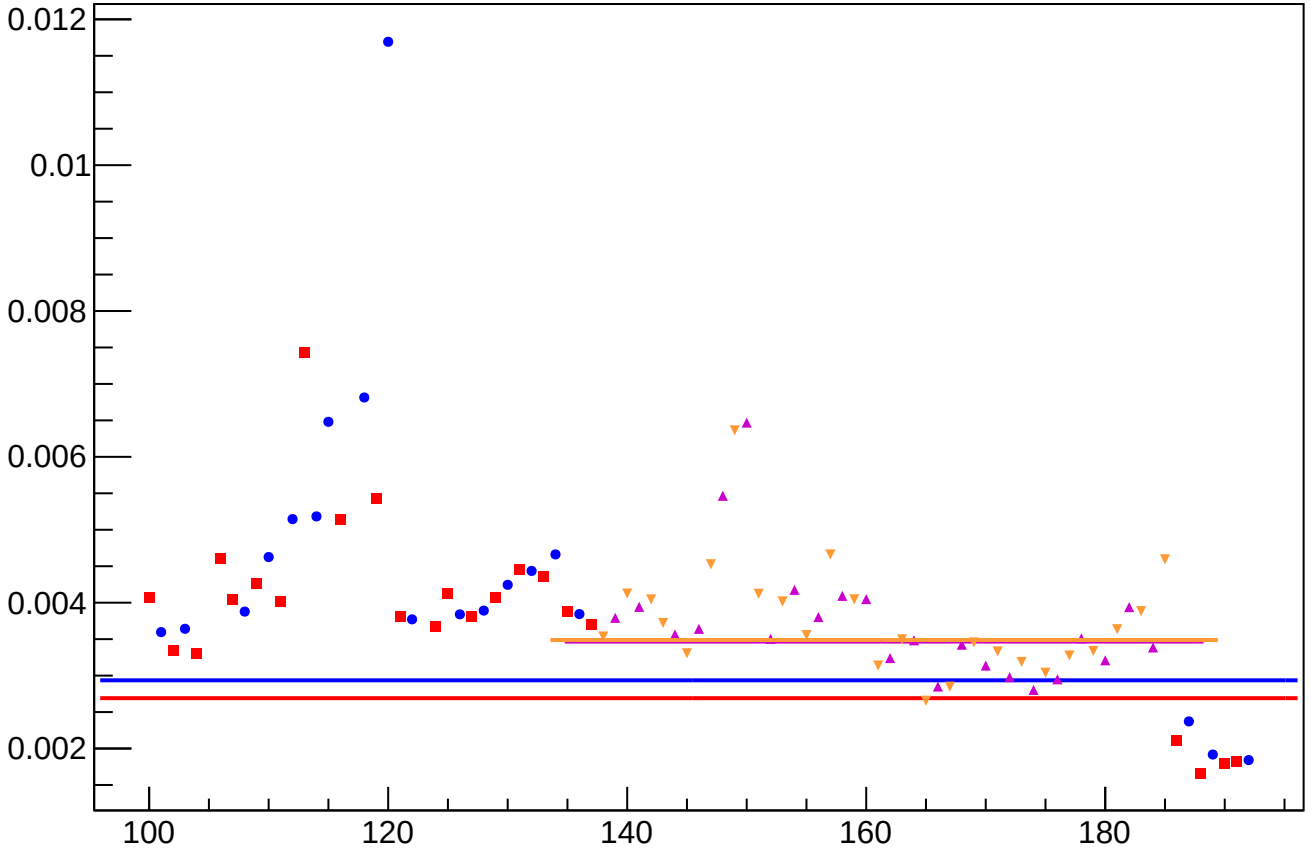
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.299+/-0.000 χ^2/NDF: 650346660196.4/43

All: 0.253+/-0.000 χ^2/NDF: 1538828825285.

- sign 0.209+/-0.000 χ^2/NDF: 879803786298.0/45

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 2362928.3/18

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

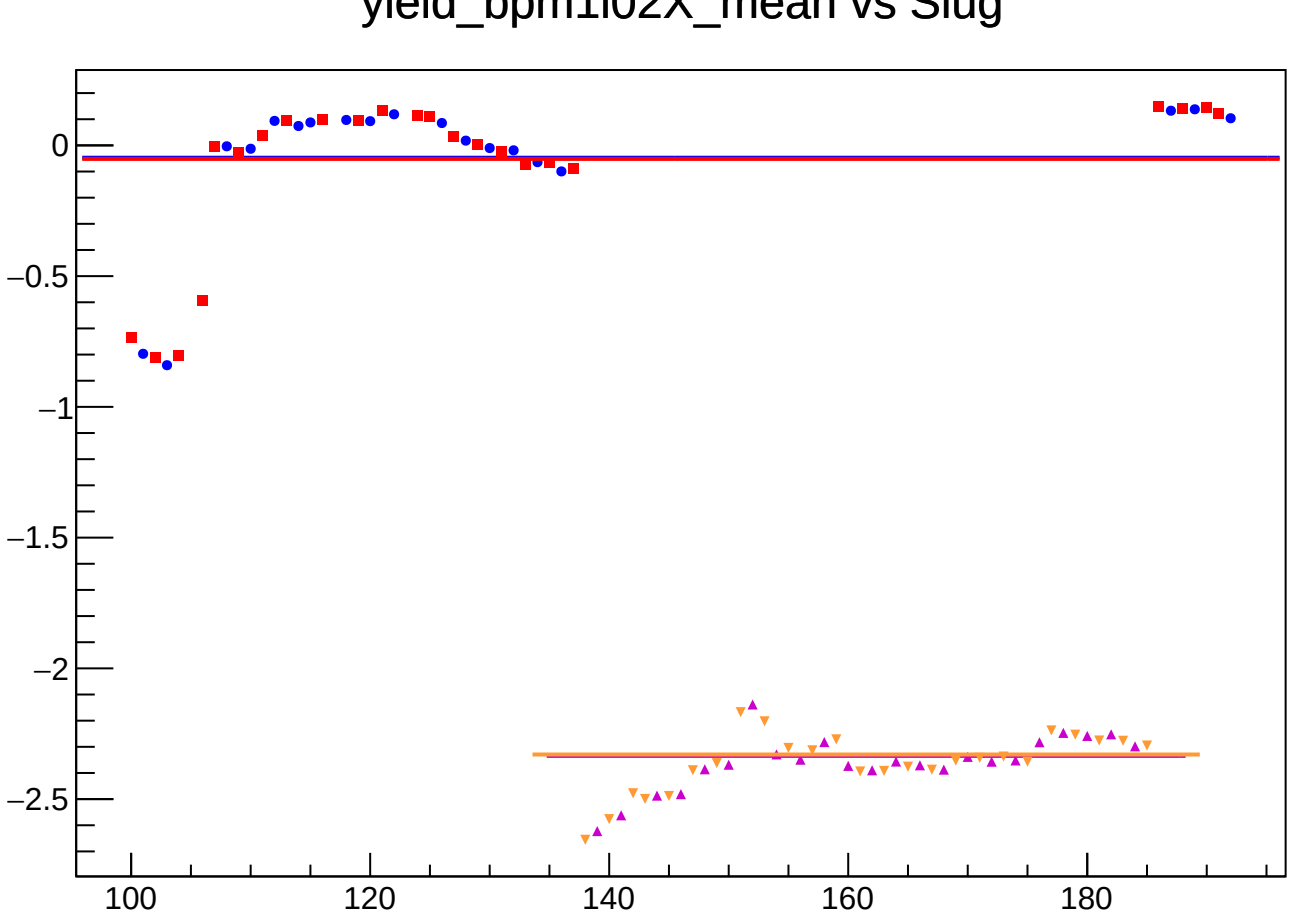
Right Out: 0.003+/-0.000 χ^2/NDF: 2636210.9/22

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 3511353.8/43

All: 0.003+/-0.000 χ^2/NDF: 7755282.6/89

- sign 0.003+/-0.000 χ^2/NDF: 4192865.0/45



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

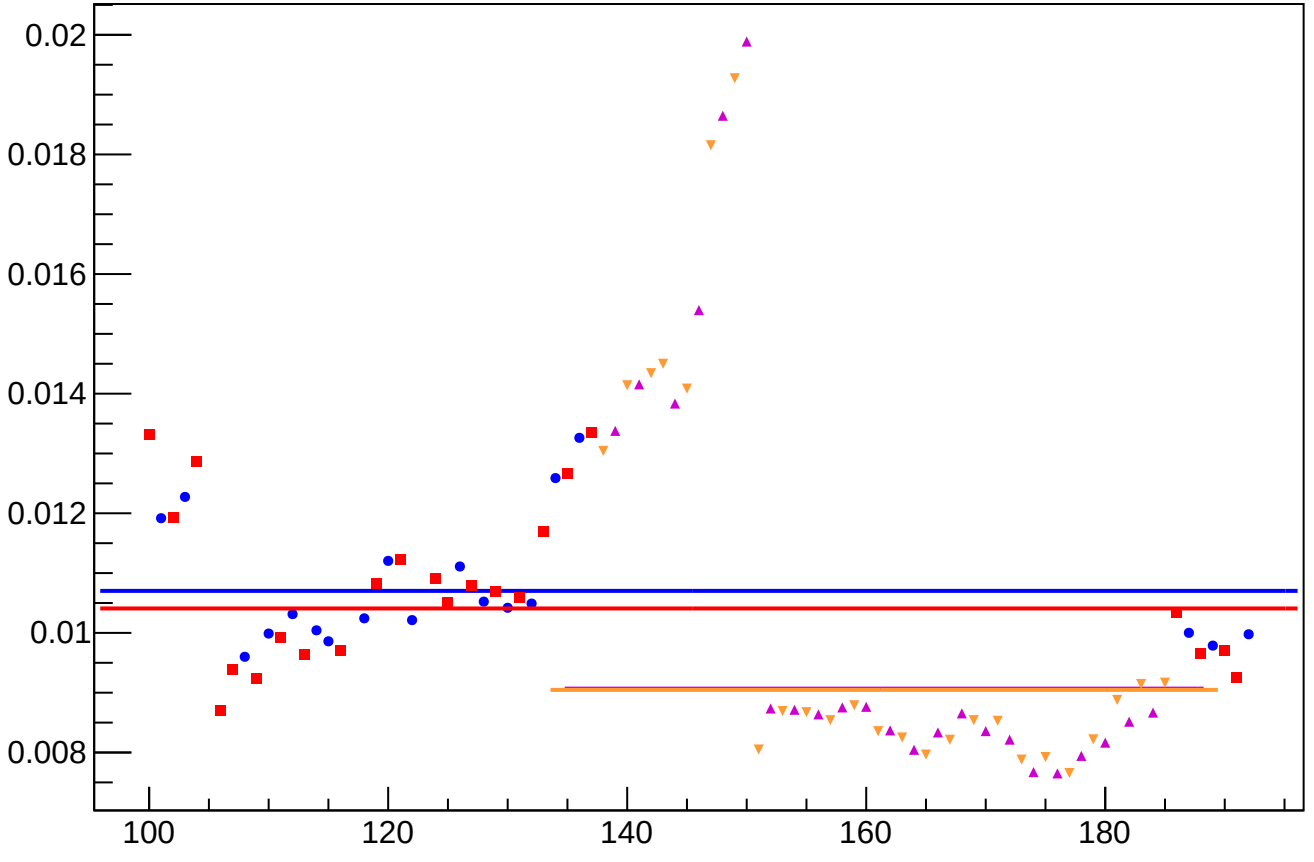
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.743+/-0.000 χ^2/NDF: 305223701839.1/43

All: -1.706+/-0.000 χ^2/NDF: 632132365616.6

- sign -1.669+/-0.000 χ^2/NDF: 326082499895.4/45

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 163850.8/18

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

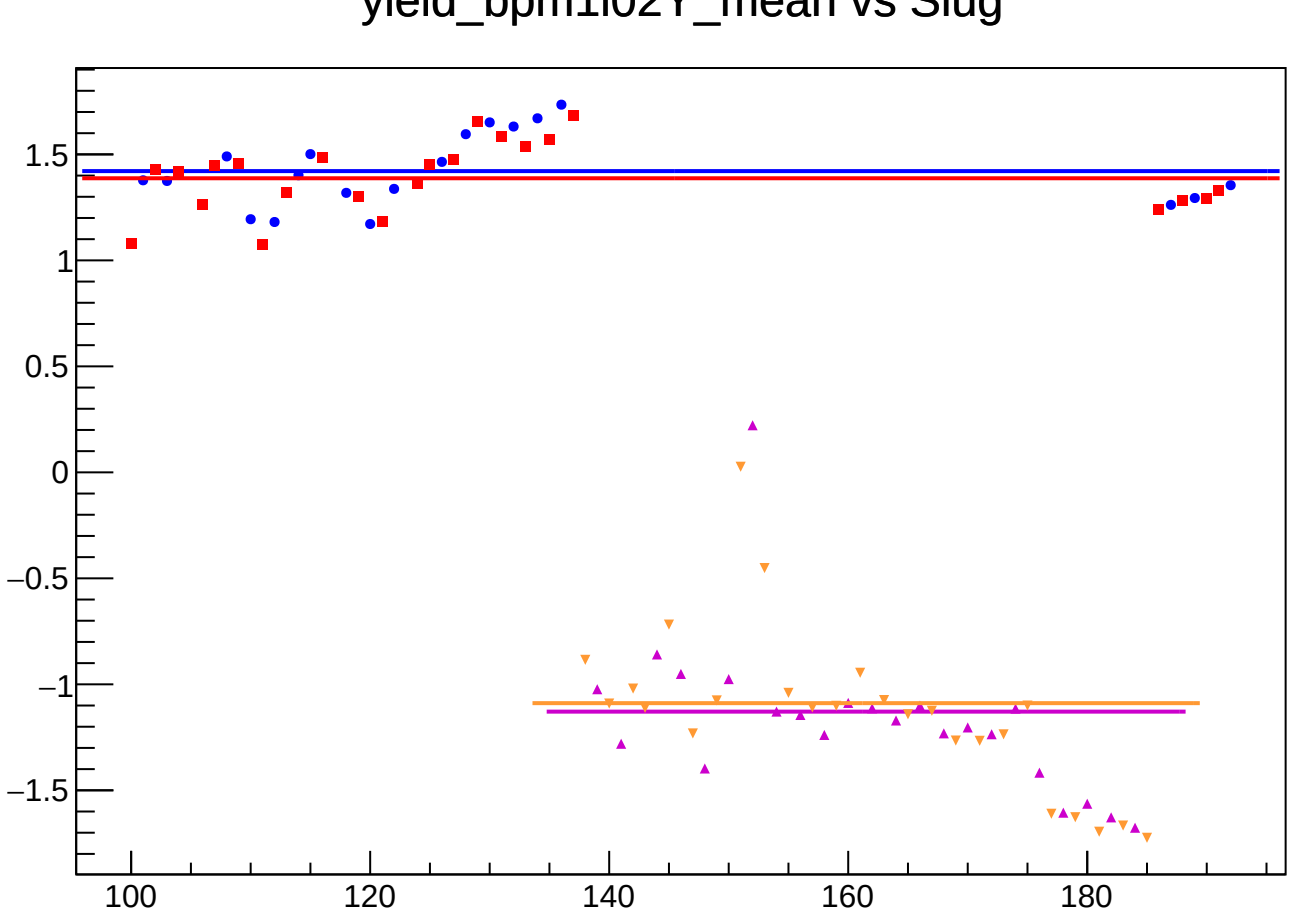
Right Out: 0.010+/-0.000 χ^2/NDF: 219485.2/22

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.009+/-0.000 χ^2/NDF: 2525326.8/43

All: 0.009+/-0.000 χ^2/NDF: 5097805.3/89

- sign 0.009+/-0.000 χ^2/NDF: 2572428.6/45



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

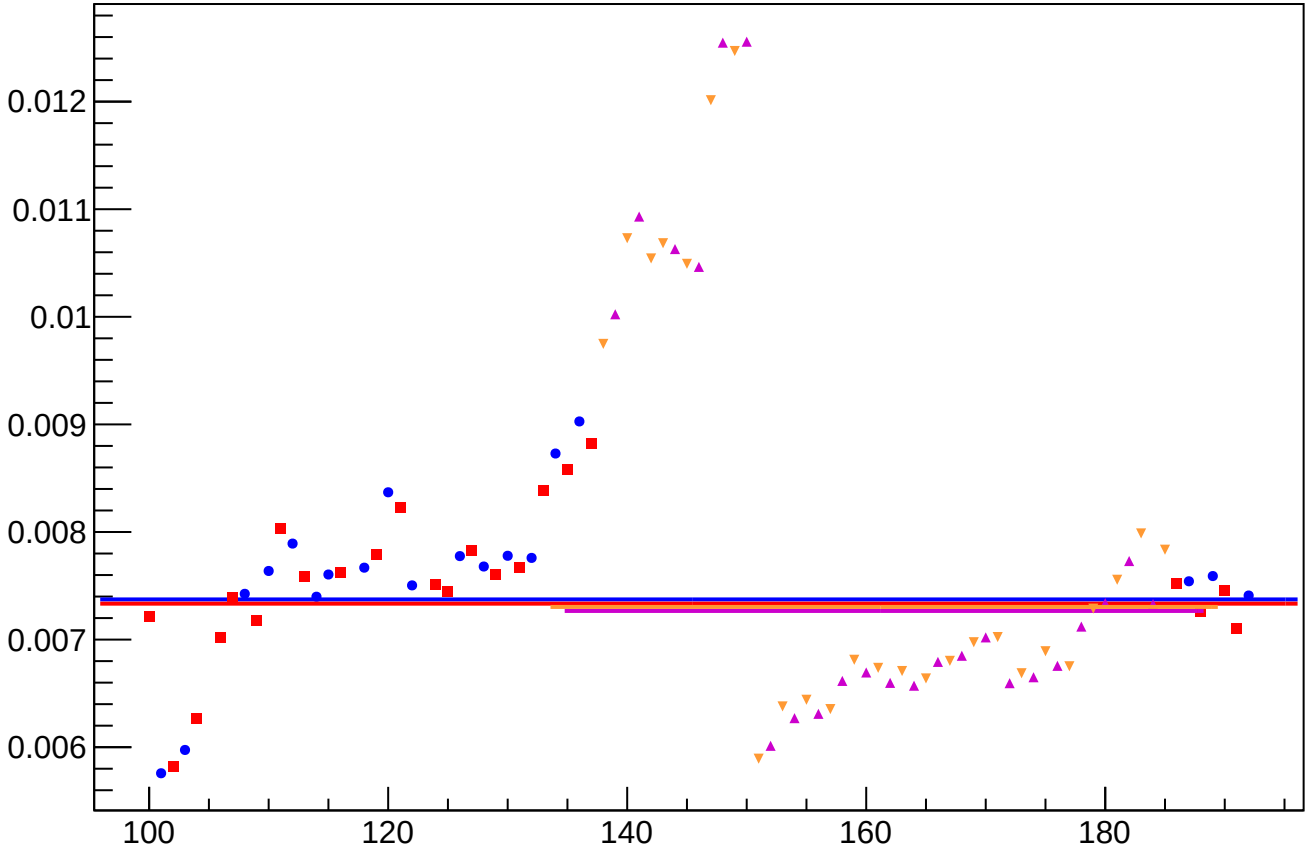
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.294+/-0.000 χ^2/NDF: 756650304279.1/43

All: -0.279+/-0.000 χ^2/NDF: 1538854470022

- sign -0.264+/-0.000 χ^2/NDF: 781984961239.4/45

yield_bpm1i02Y_rms vs Slug



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

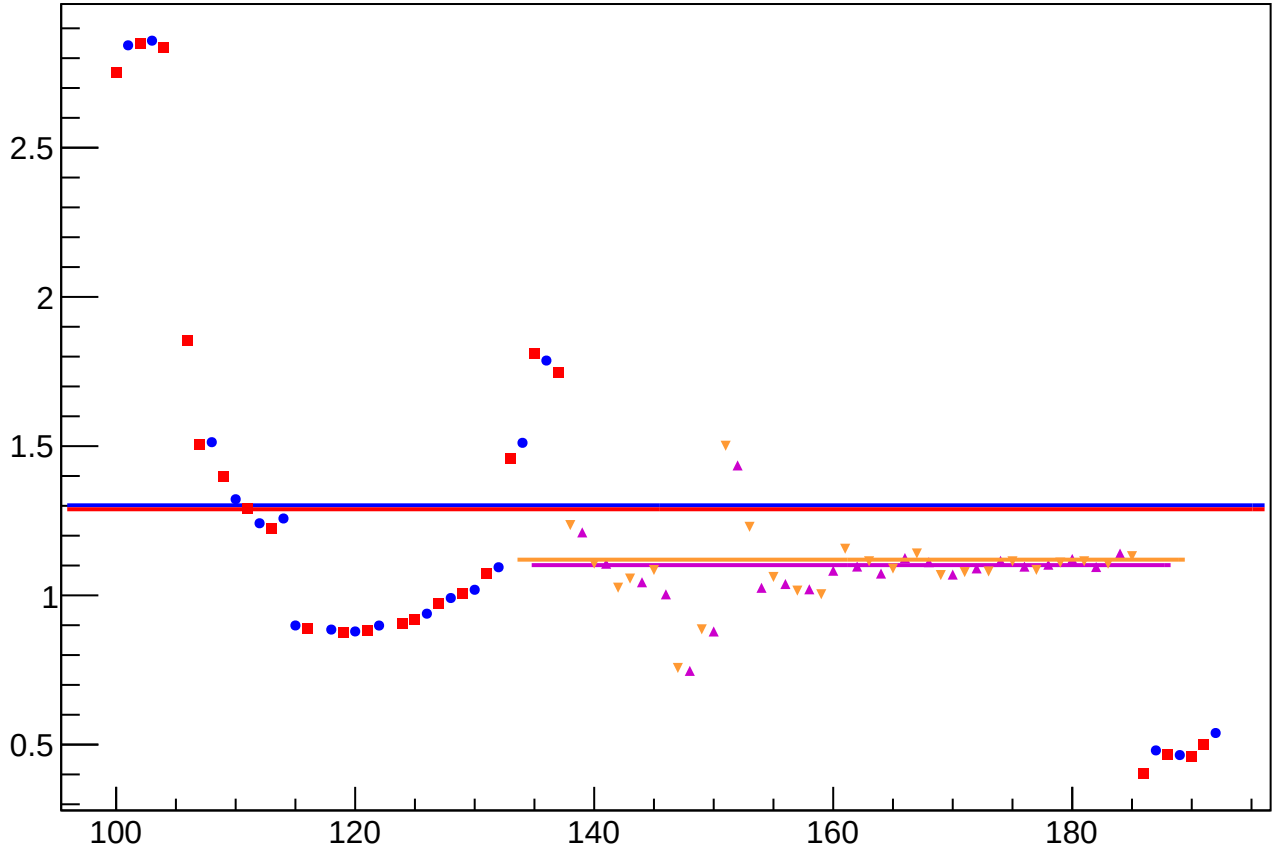
Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1777268.3/43

All: 0.007+/-0.000 χ^2/NDF: 3535867.9/89

- sign 0.007+/-0.000 χ^2/NDF: 1757940.3/45

yield_bpm1i04X_mean vs Slug



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

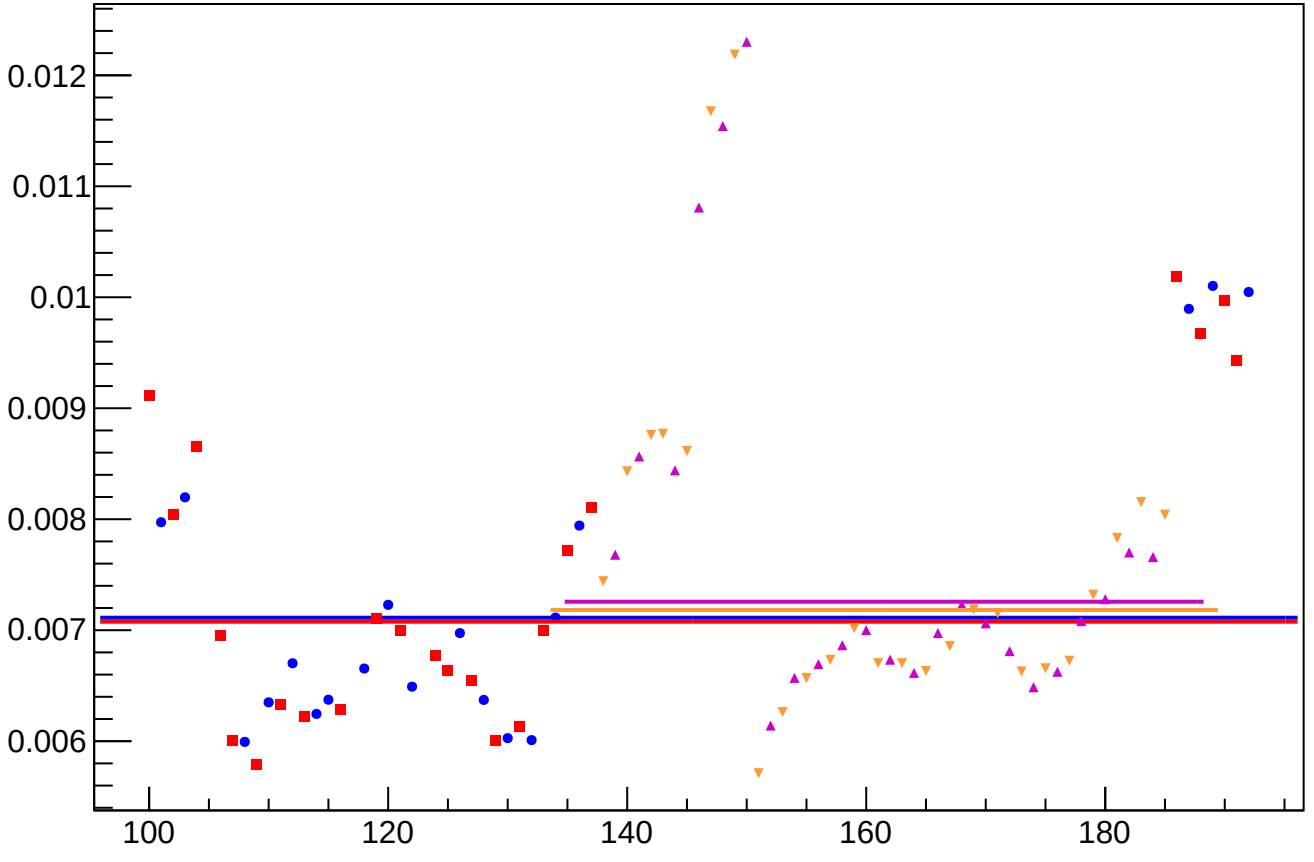
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.178+/-0.000 χ^2/NDF: 79580913609.2/43

All: 1.173+/-0.000 χ^2/NDF: 159184606857.5

- sign 1.168+/-0.000 χ^2/NDF: 79573462481.7/45

yield_bpm1i04X_rms vs Slug



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

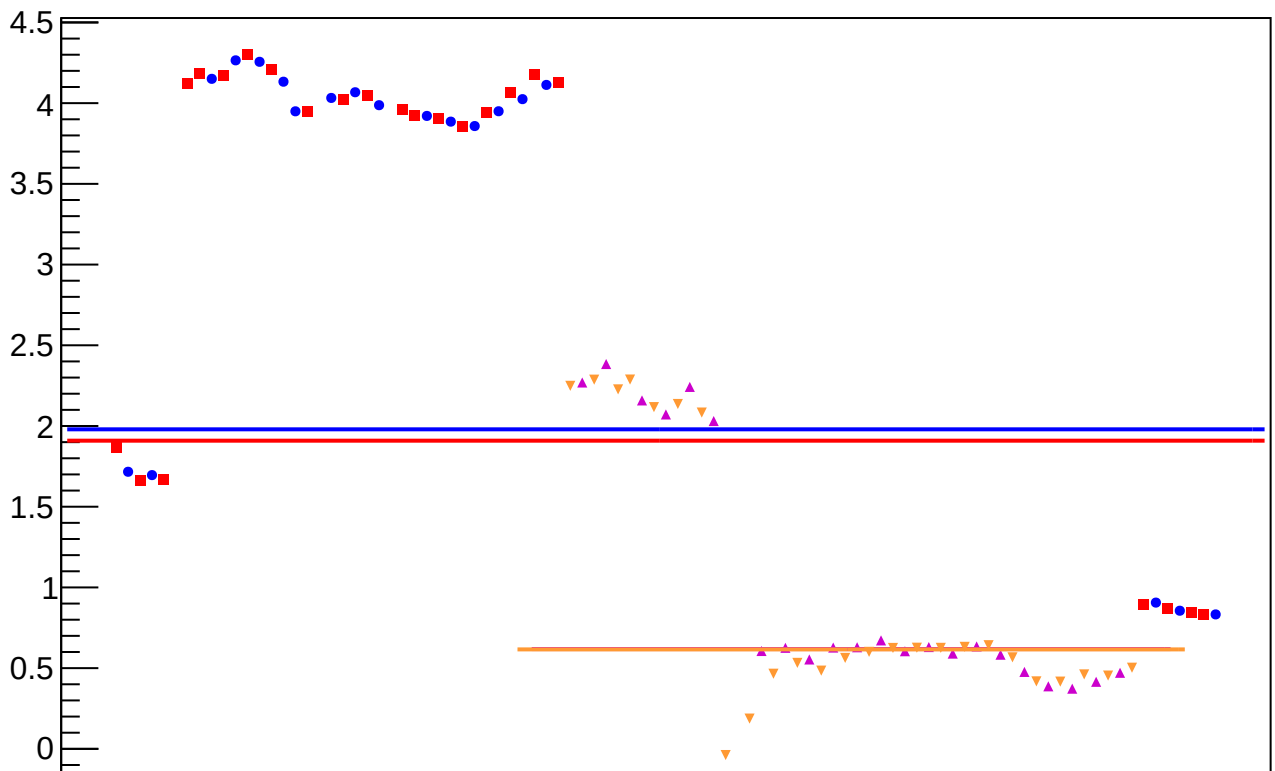
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1377823.8/43

All: 0.007+/-0.000 χ^2/NDF: 2840897.3/89

- sign 0.007+/-0.000 χ^2/NDF: 1462506.5/45

yield_bpm1i04Y_mean vs Slug



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

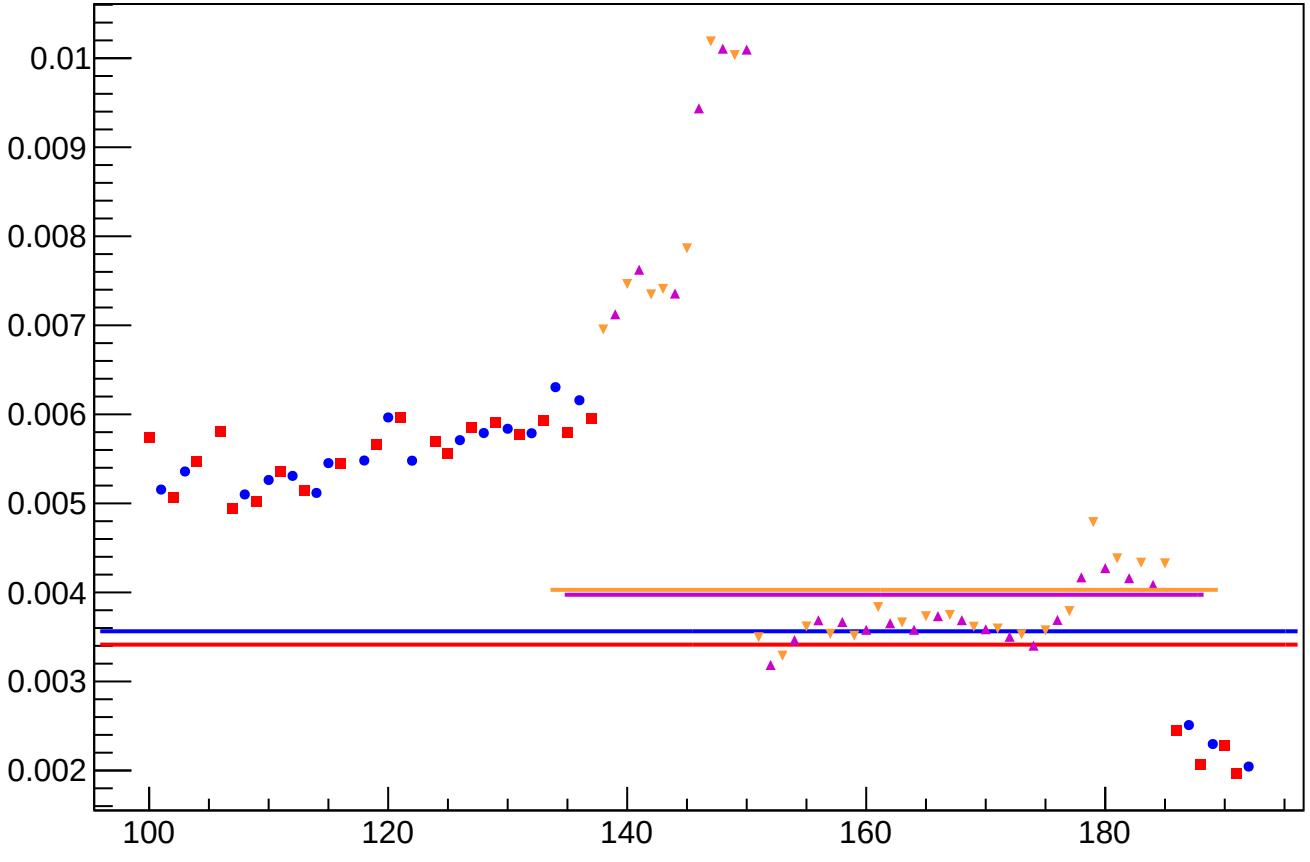
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.087+/-0.000 χ^2/NDF: 2154068606754.9/43

All: 1.100+/-0.000 χ^2/NDF: 4423490581510.

- sign 1.112+/-0.000 χ^2/NDF: 2268914538402.0/45

yield_bpm1i04Y_rms vs Slug



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

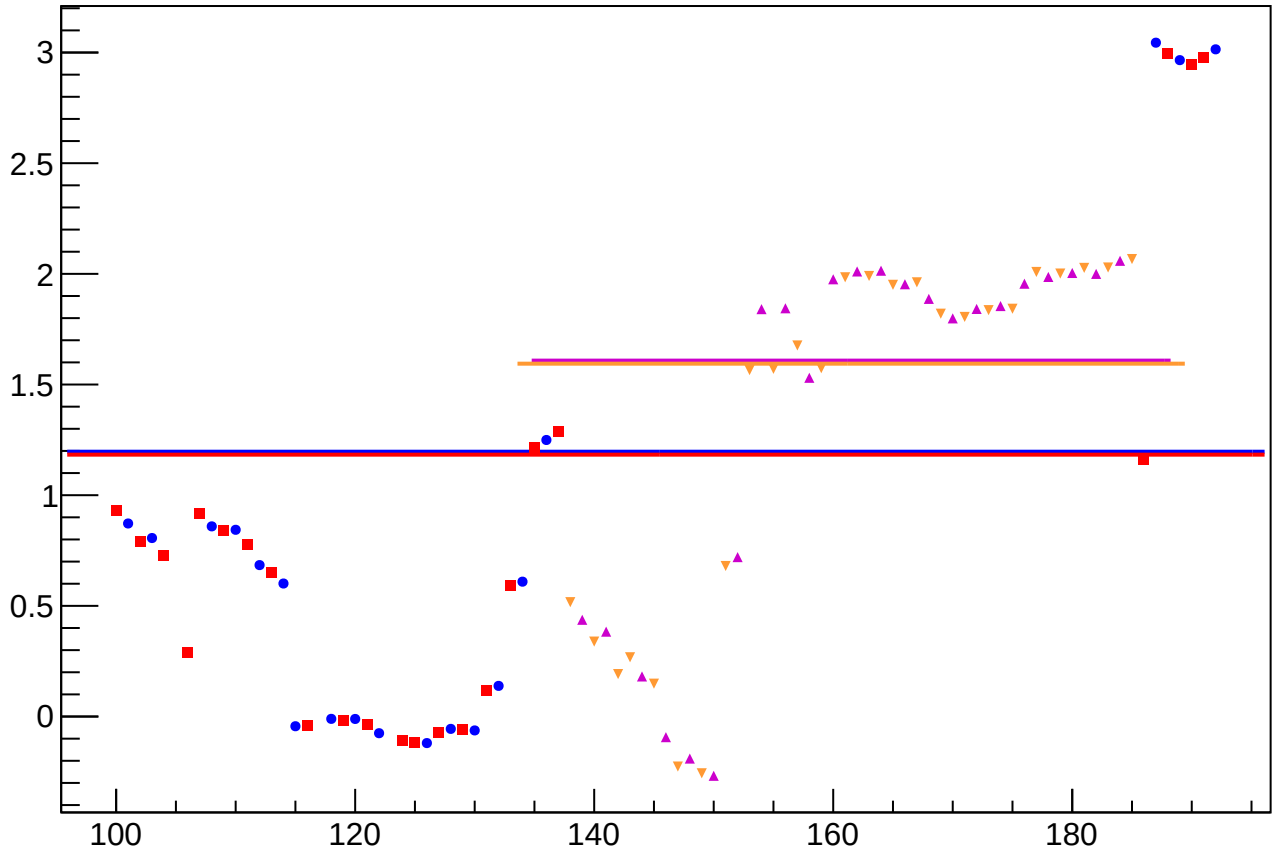
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 6374618.2/43

All: 0.004+/-0.000 χ^2/NDF: 13233473.3/89

- sign 0.004+/-0.000 χ^2/NDF: 6839452.4/45

yield_bpm1i06X_mean vs Slug



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

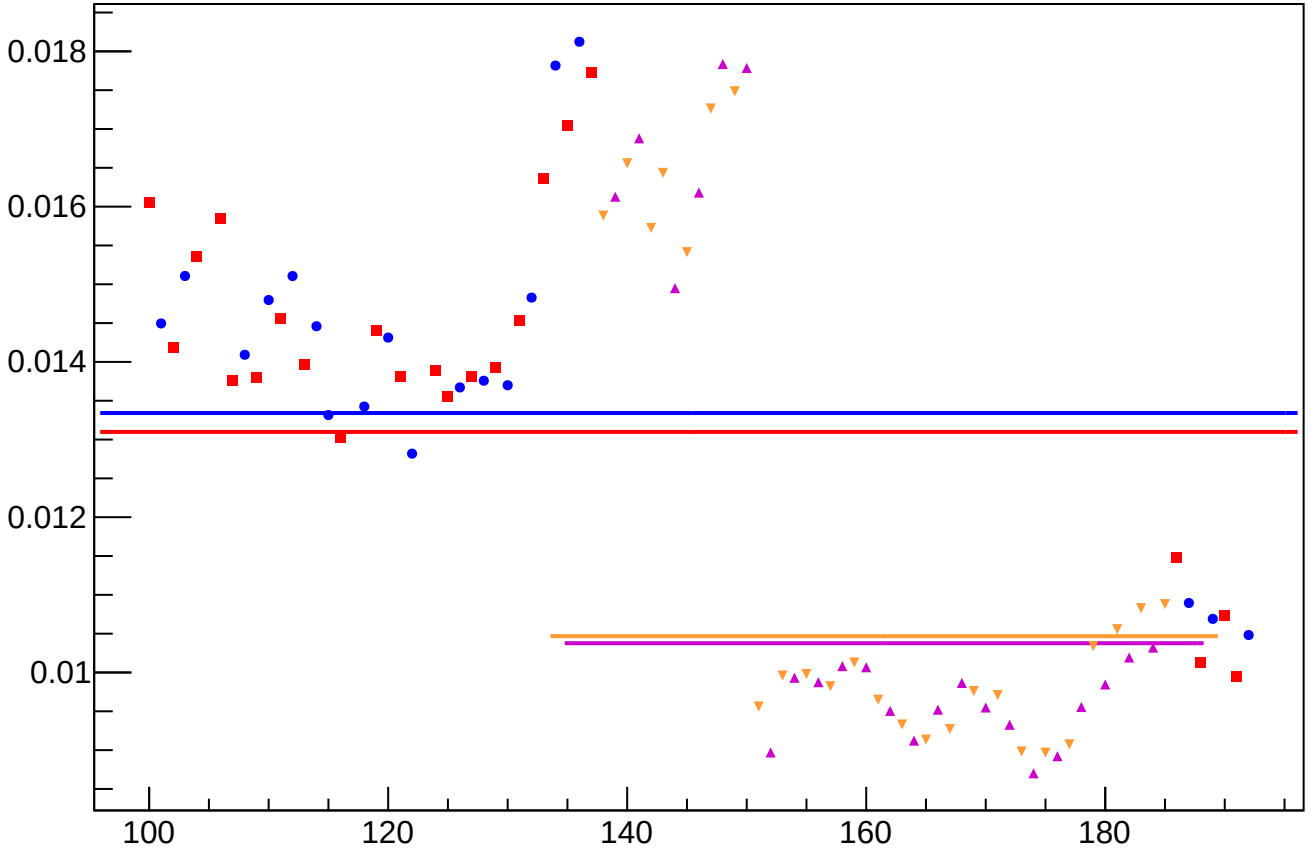
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.505+/-0.000 χ^2/NDF: 145949952851.0/43

All: 1.504+/-0.000 χ^2/NDF: 294225863858.5

- sign 1.503+/-0.000 χ^2/NDF: 148275588722.0/45

yield_bpm1i06X_rms vs Slug



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

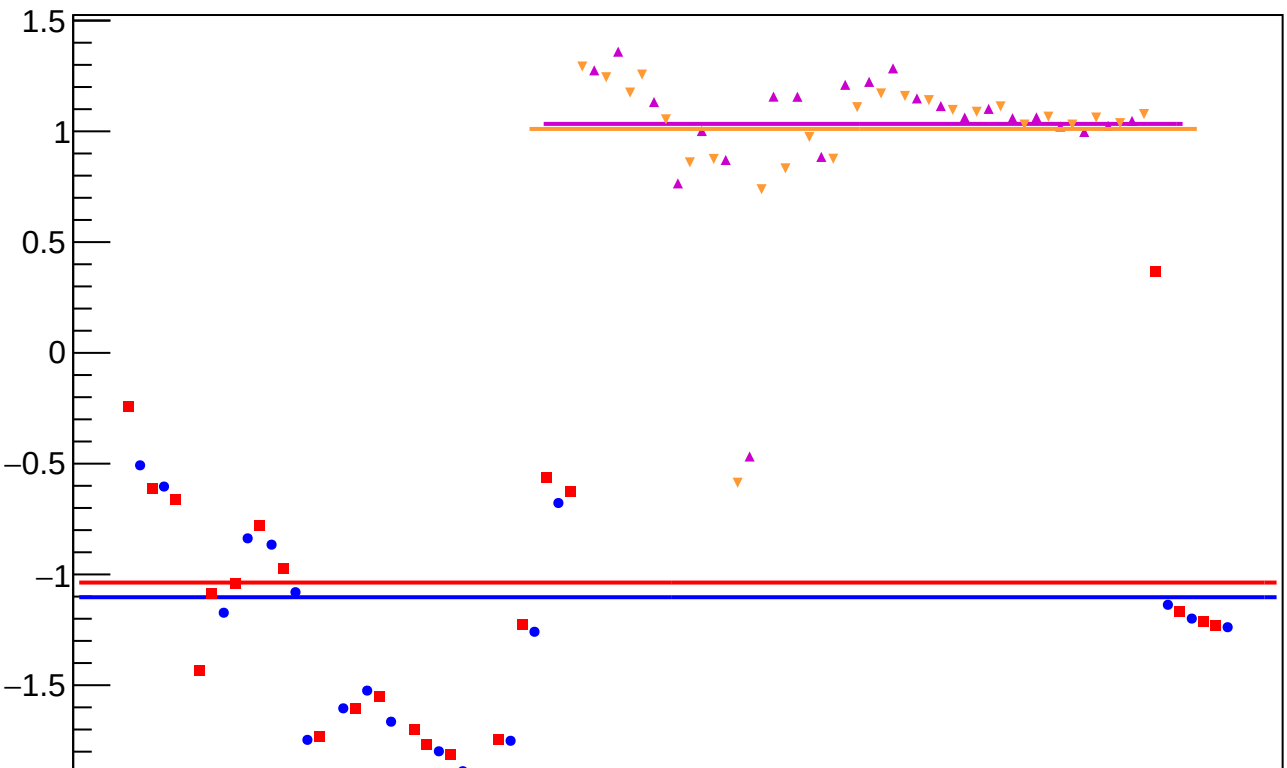
Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2738732.6/43

All: 0.011+/-0.000 χ^2/NDF: 5508153.0/89

- sign 0.011+/-0.000 χ^2/NDF: 2768533.8/45

yield_bpm1i06Y_mean vs Slug



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

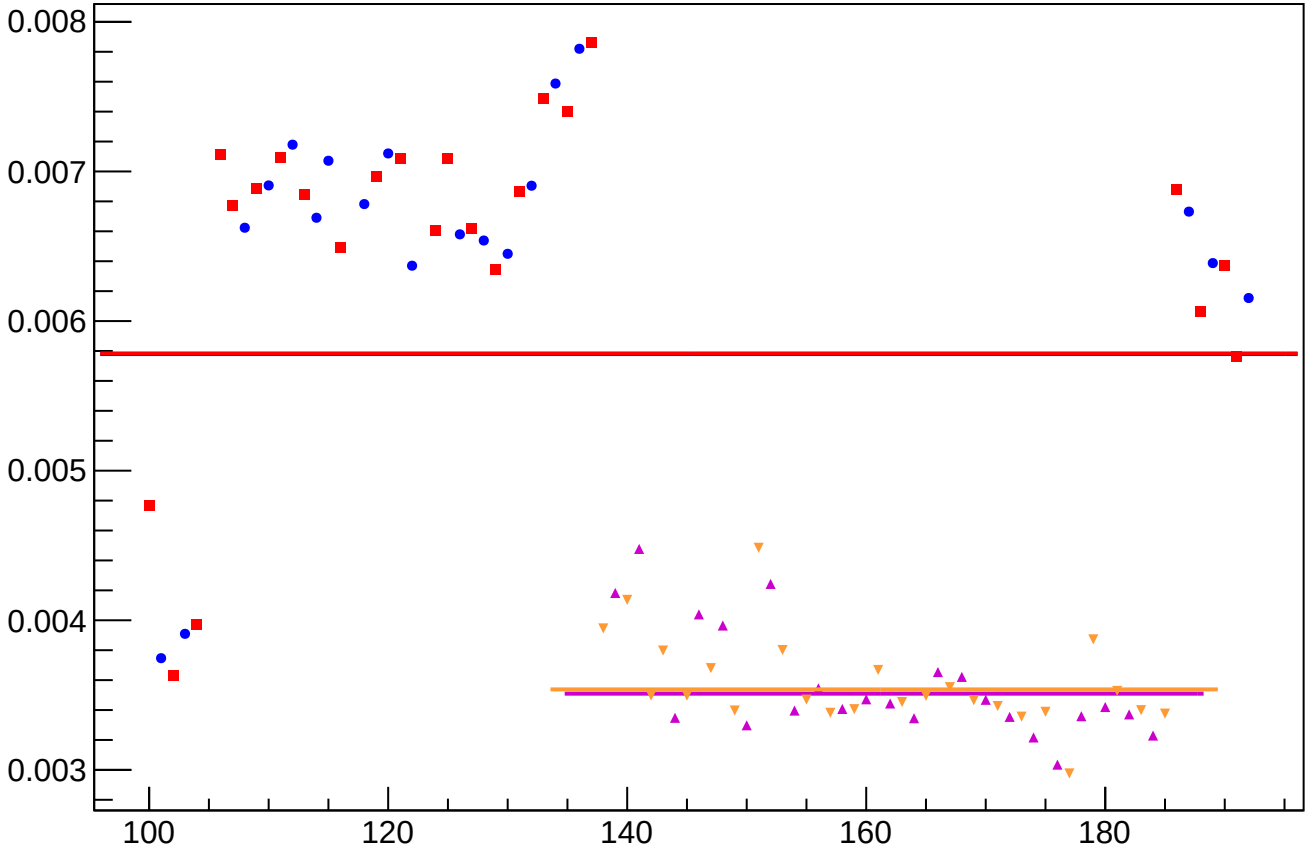
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.704+/-0.000 χ^2/NDF: 1082711879075.9/43

All: 0.707+/-0.000 χ^2/NDF: 2176104731473.

- sign 0.710+/-0.000 χ^2/NDF: 1093362497780.0/45

yield_bpm1i06Y_rms vs Slug



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

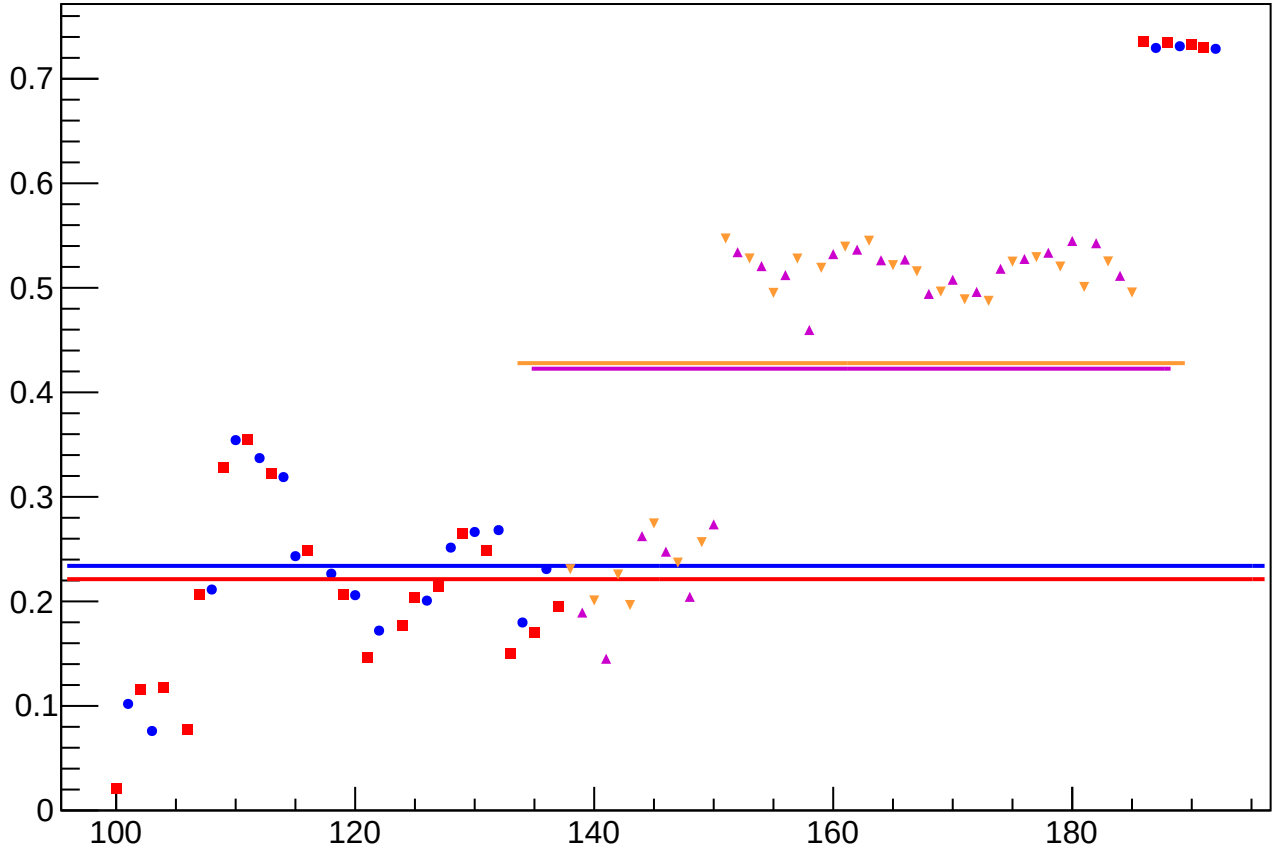
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 3237502.6/43

All: 0.004+/-0.000 χ^2/NDF: 6709787.4/89

- sign 0.004+/-0.000 χ^2/NDF: 3472281.0/45

yield_bpm2i01X_mean vs Slug



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

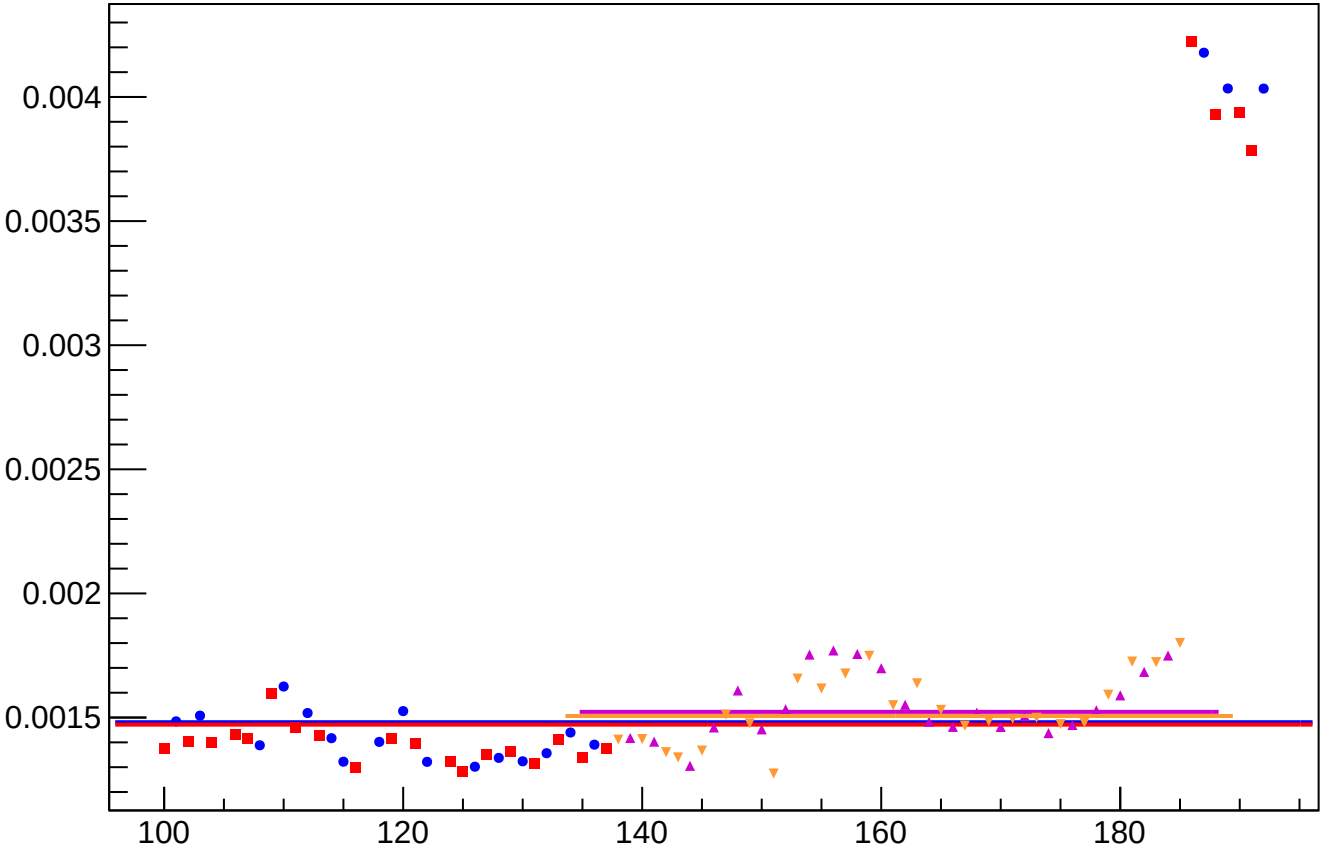
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.370+/-0.000 χ^2/NDF: 291424430234.4/43

All: 0.362+/-0.000 χ^2/NDF: 612248459632.1

- sign 0.355+/-0.000 χ^2/NDF: 319564183976.7/45

yield_bpm2i01X_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 1438391.5/18

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

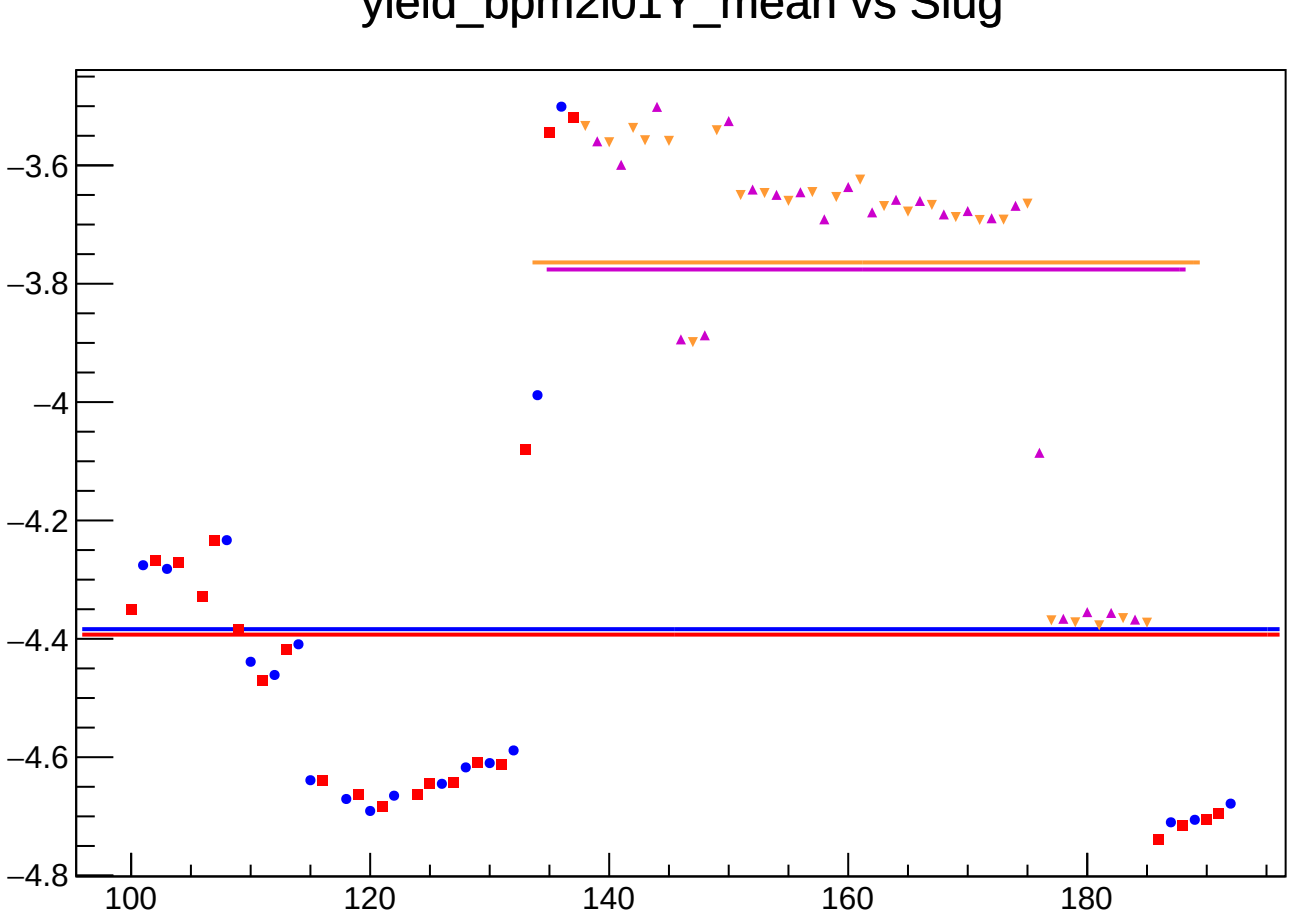
Right Out: 0.001+/-0.000 χ^2/NDF: 1628179.8/22

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 1720464.0/43

All: 0.002+/-0.000 χ^2/NDF: 3597679.3/89

- sign 0.002+/-0.000 χ^2/NDF: 1876648.0/45



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

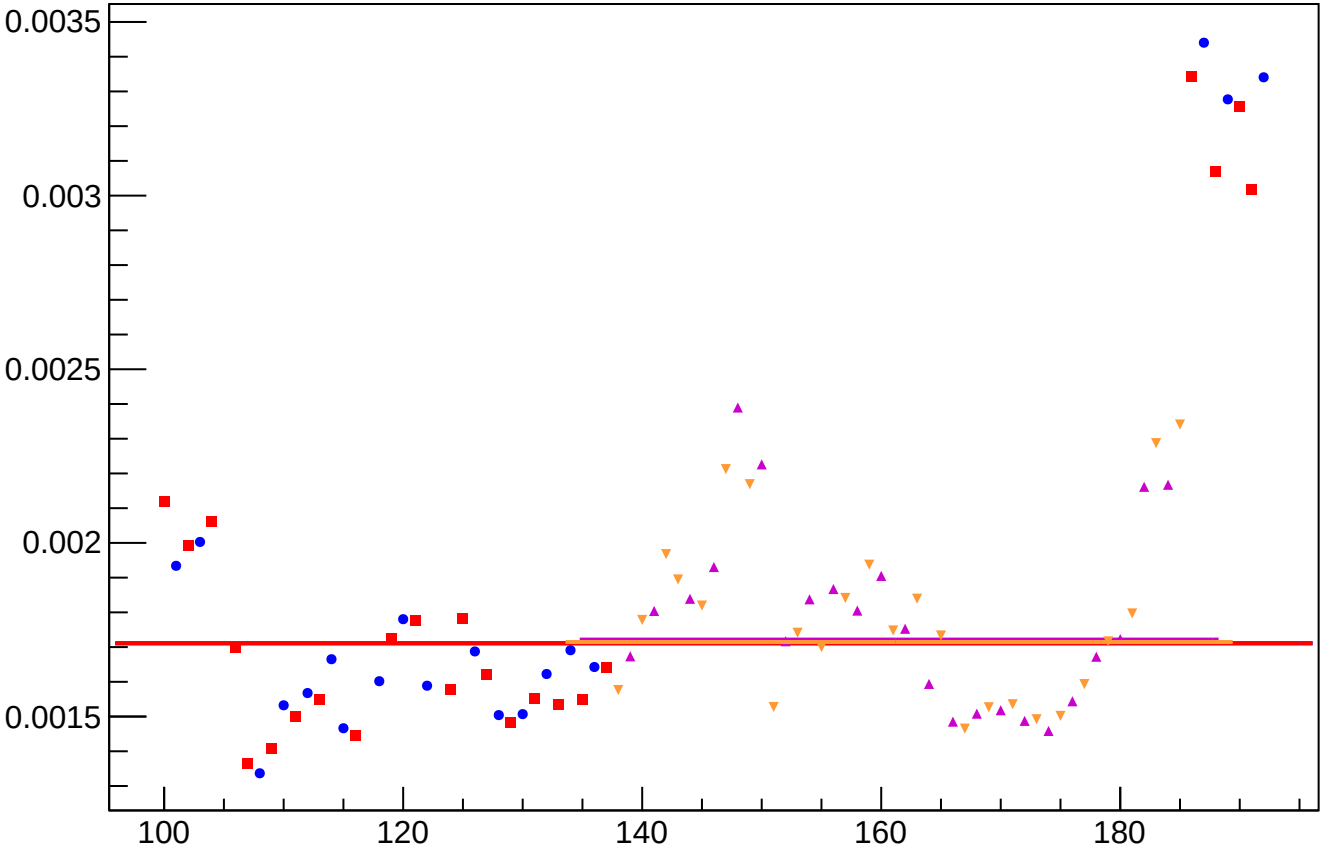
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.953+/-0.000 χ^2/NDF: 1589038703000.3/4

All: -3.967+/-0.000 χ^2/NDF: 3061568040572

- sign -3.981+/-0.000 χ^2/NDF: 1469066464677.7/45

yield_bpm2i01Y_rms vs Slug



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

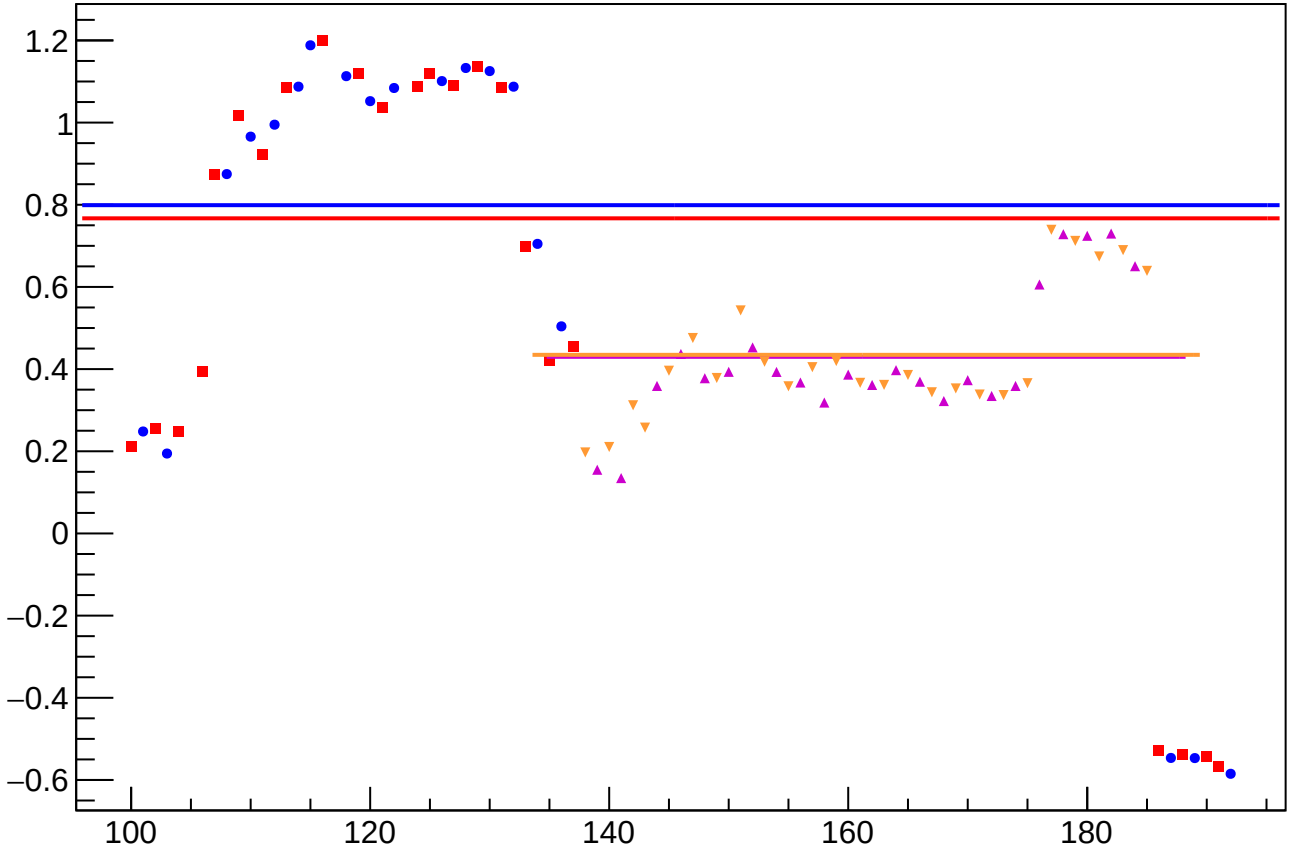
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 1513577.6/43

All: 0.002+/-0.000 χ^2/NDF: 3144009.3/89

- sign 0.002+/-0.000 χ^2/NDF: 1630224.1/45

yield_bpm2i02X_mean vs Slug



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

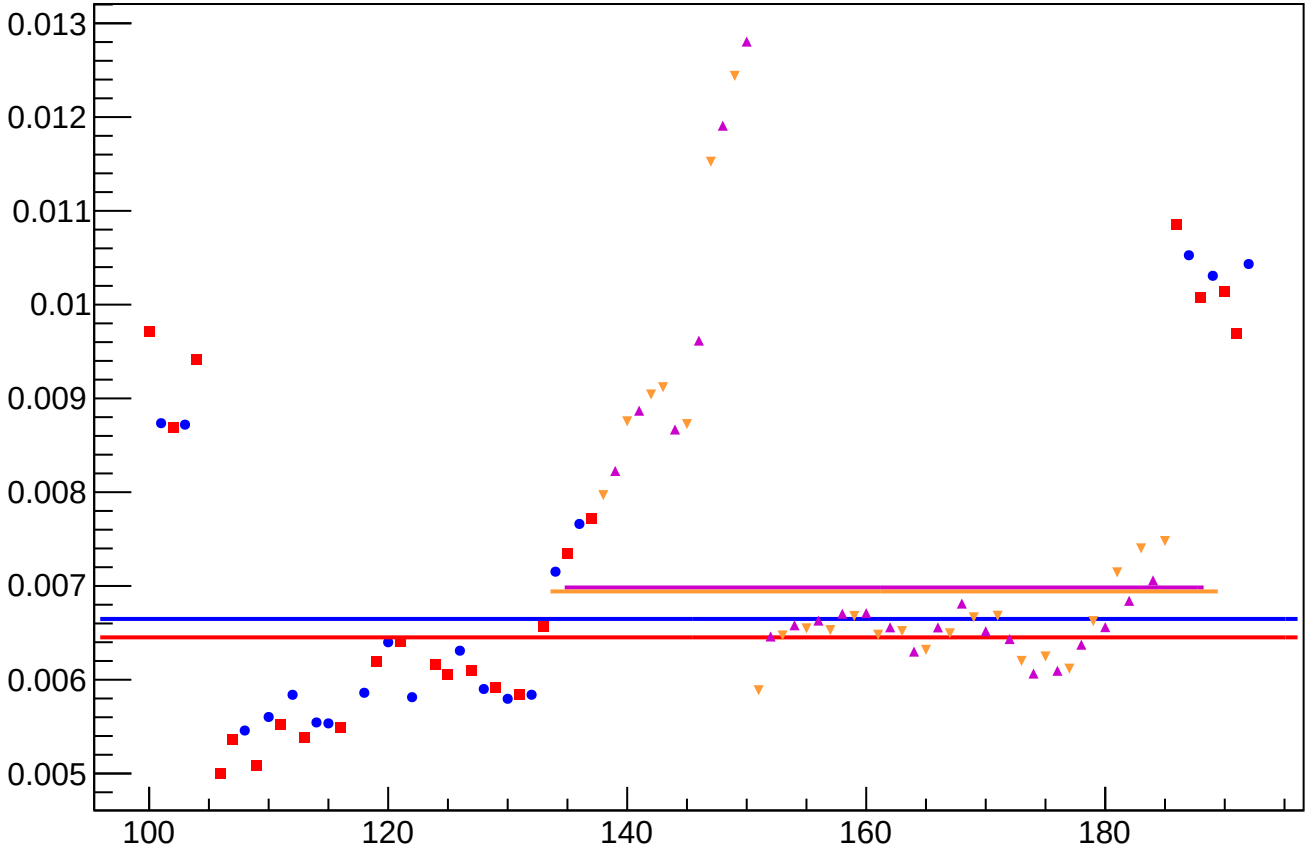
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.555+/-0.000 χ^2/NDF: 71753739420.4/43

All: 0.555+/-0.000 χ^2/NDF: 149061702741.7

- sign 0.555+/-0.000 χ^2/NDF: 77307960870.4/45

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 813287.8/18

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

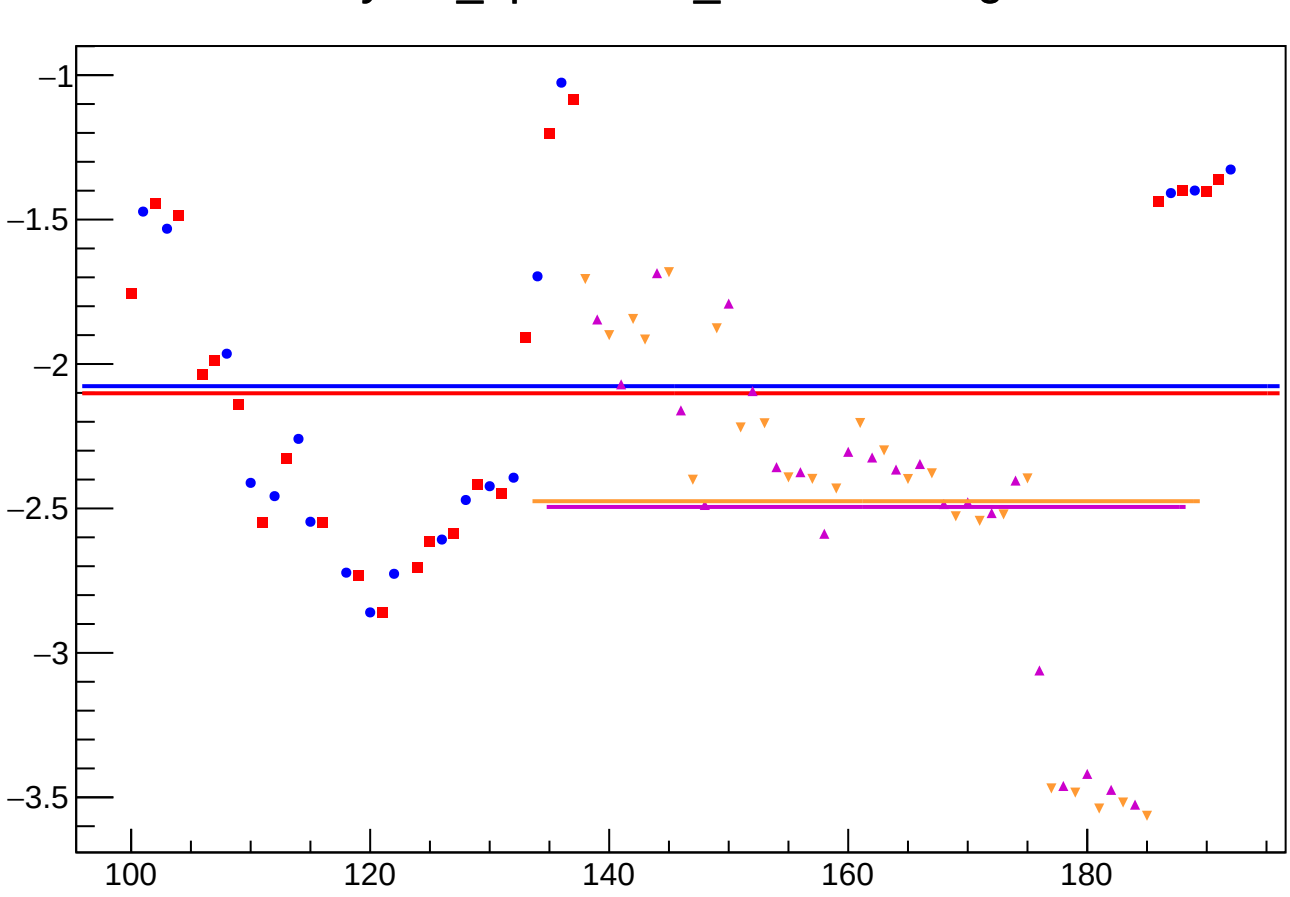
Right Out: 0.006+/-0.000 χ^2/NDF: 1012485.9/22

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 1926265.3/43

All: 0.007+/-0.000 χ^2/NDF: 4153470.7/89

- sign 0.007+/-0.000 χ^2/NDF: 2225212.7/45



Right In: -2.077+/-0.000 χ^2/NDF: 75696684442.4/18

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

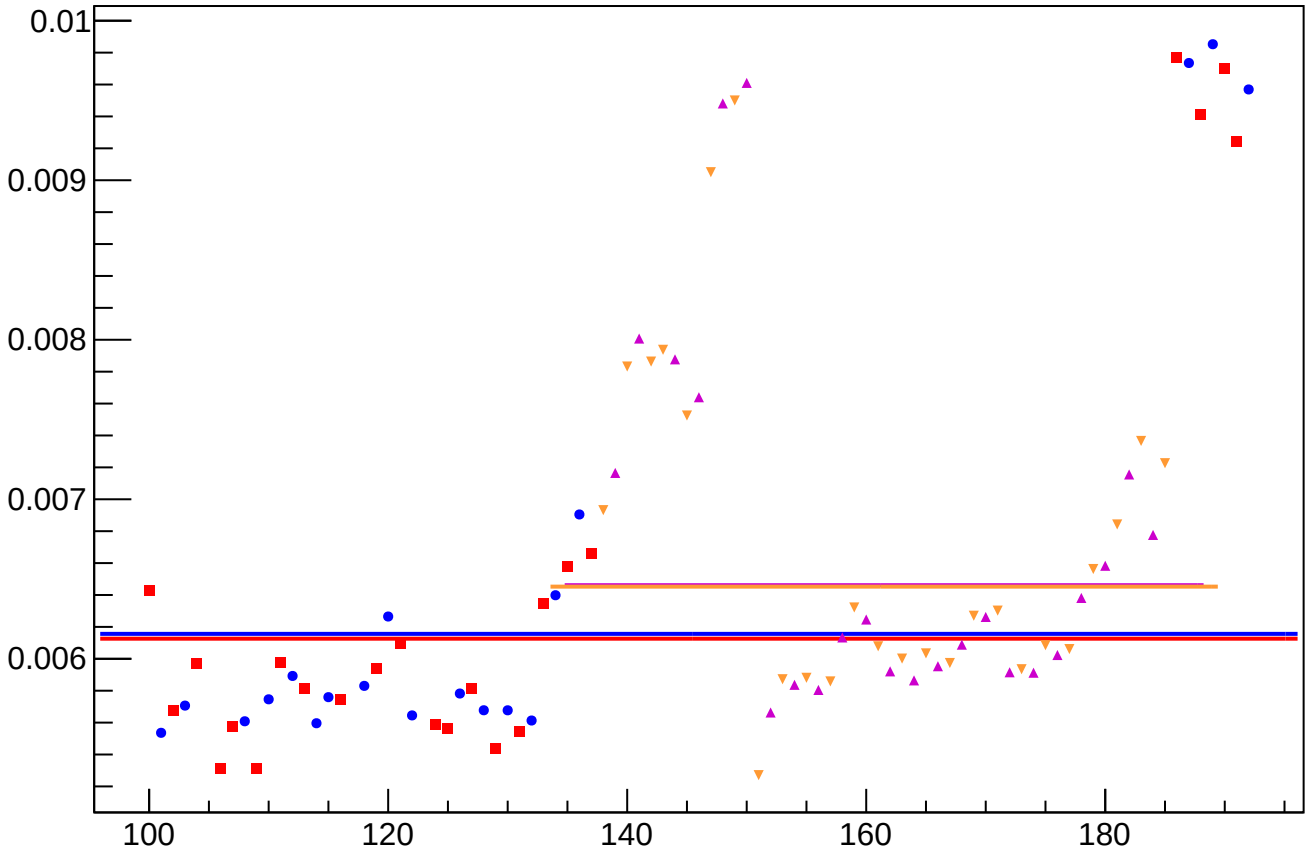
Right Out: -2.101+/-0.000 χ^2/NDF: 68973246500.3/22

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.342+/-0.000 χ^2/NDF: 222695824619.5/43

All: -2.347+/-0.000 χ^2/NDF: 412527919126.5

- sign -2.352+/-0.000 χ^2/NDF: 189796350812.8/45



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

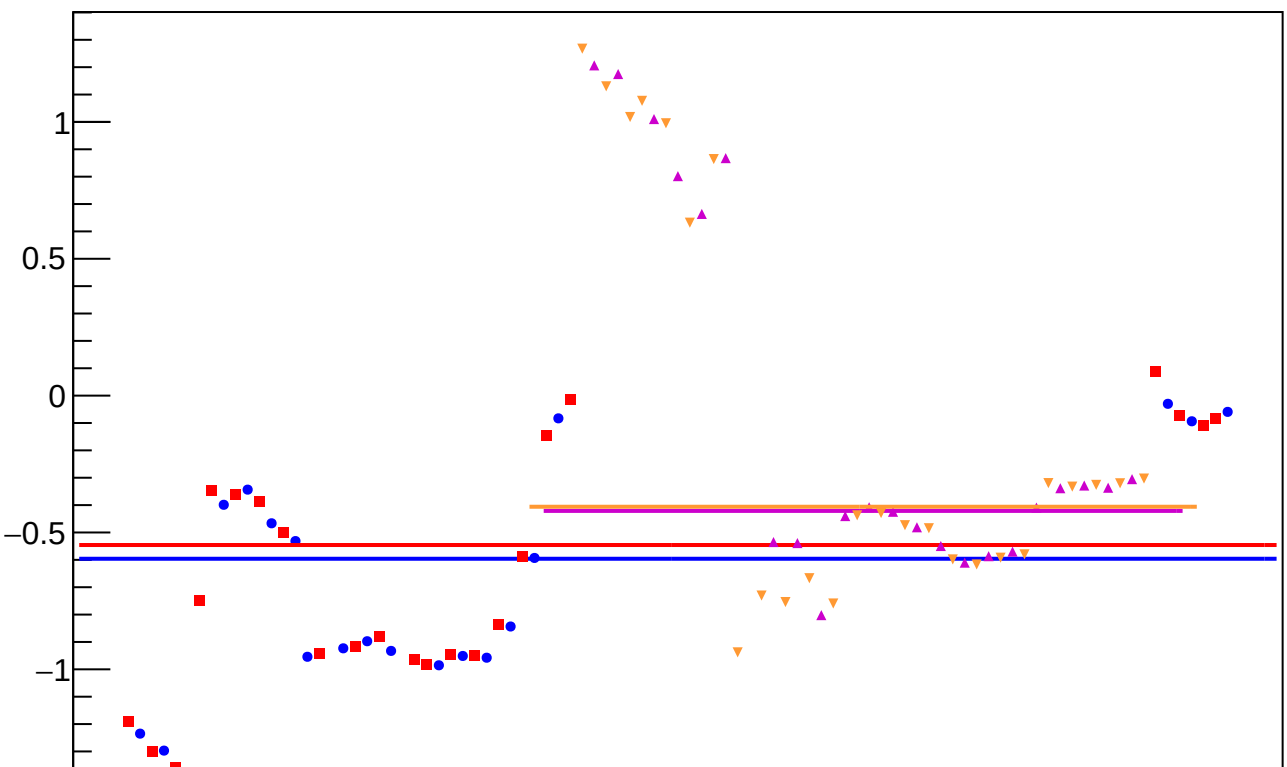
Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 1280675.7/43

All: 0.006+/-0.000 χ^2/NDF: 2635367.8/89

- sign 0.006+/-0.000 χ^2/NDF: 1354566.9/45

yield_bpm0i01X_mean vs Slug



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

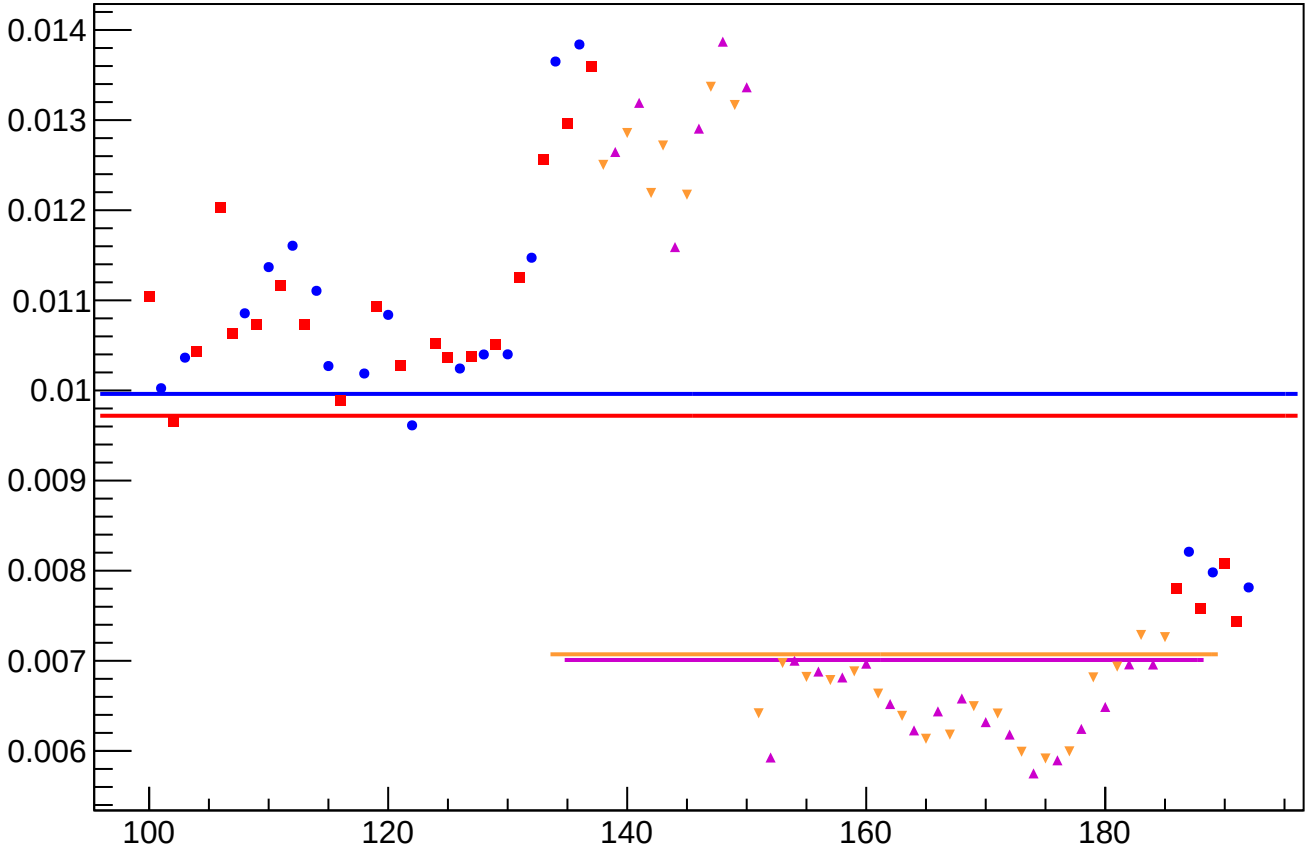
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.443+/-0.000 χ^2/NDF: 101944261059.0/43

All: -0.446+/-0.000 χ^2/NDF: 214077298054.3

- sign -0.448+/-0.000 χ^2/NDF: 112126911189.9/45

yield_bpm0i01X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 480894.7/18

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

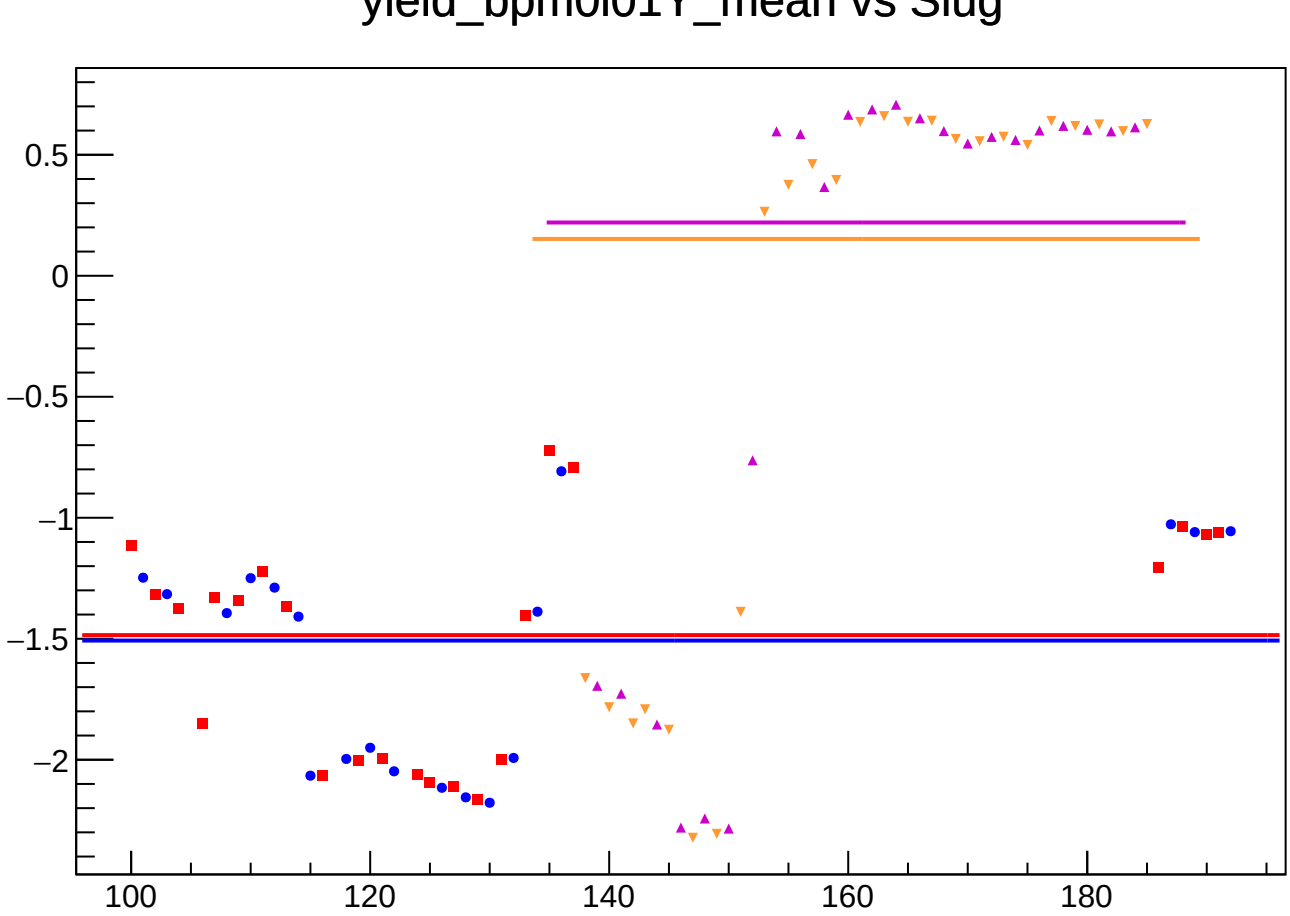
Right Out: 0.010+/-0.000 χ^2/NDF: 517874.0/22

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4020578.2/43

All: 0.008+/-0.000 χ^2/NDF: 8085257.4/89

- sign 0.008+/-0.000 χ^2/NDF: 4064085.0/45



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

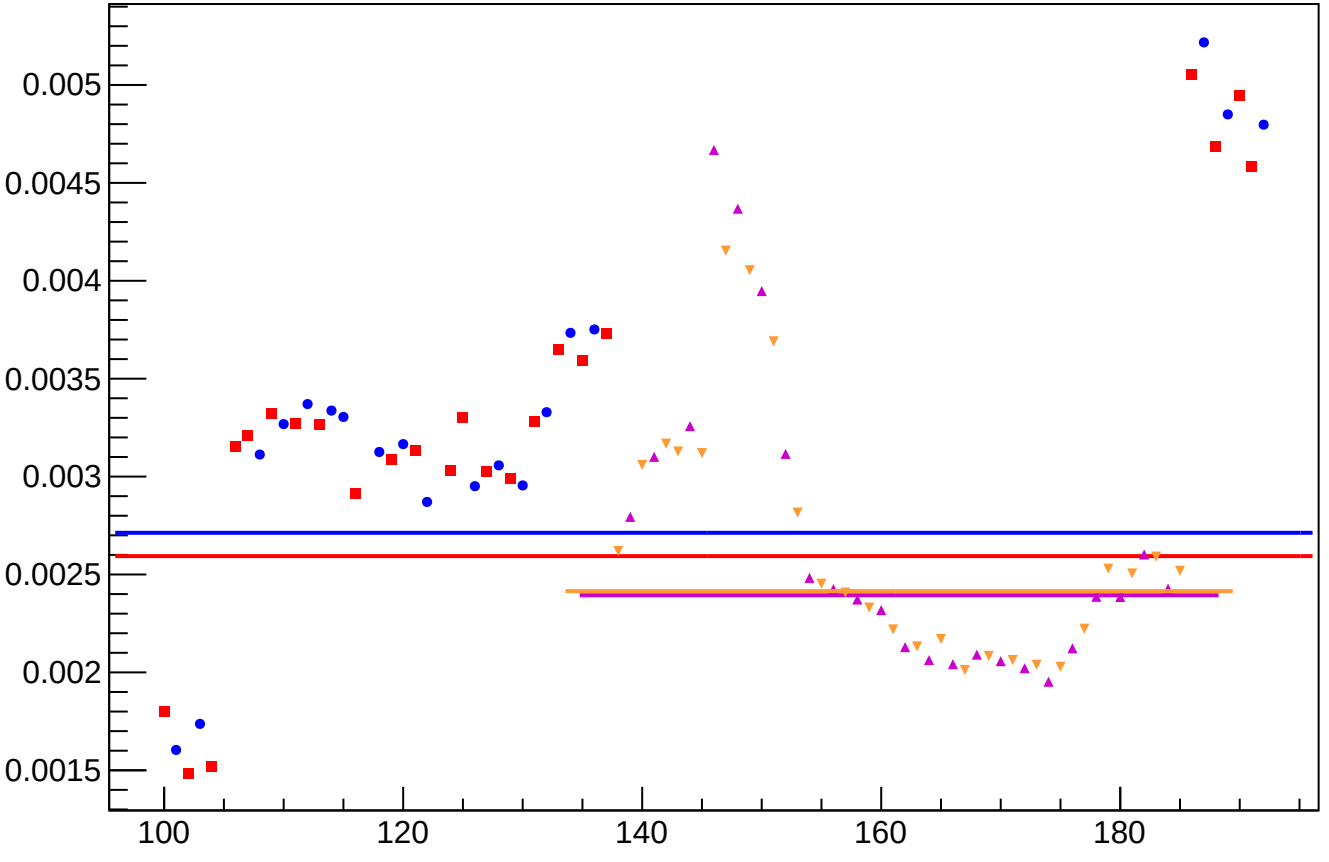
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.270+/-0.000 χ^2/NDF: 4625526570164.9/4

All: -0.266+/-0.000 χ^2/NDF: 9202940294501

- sign -0.263+/-0.000 χ^2/NDF: 4577312970588.9/45

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1852727.0/18

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

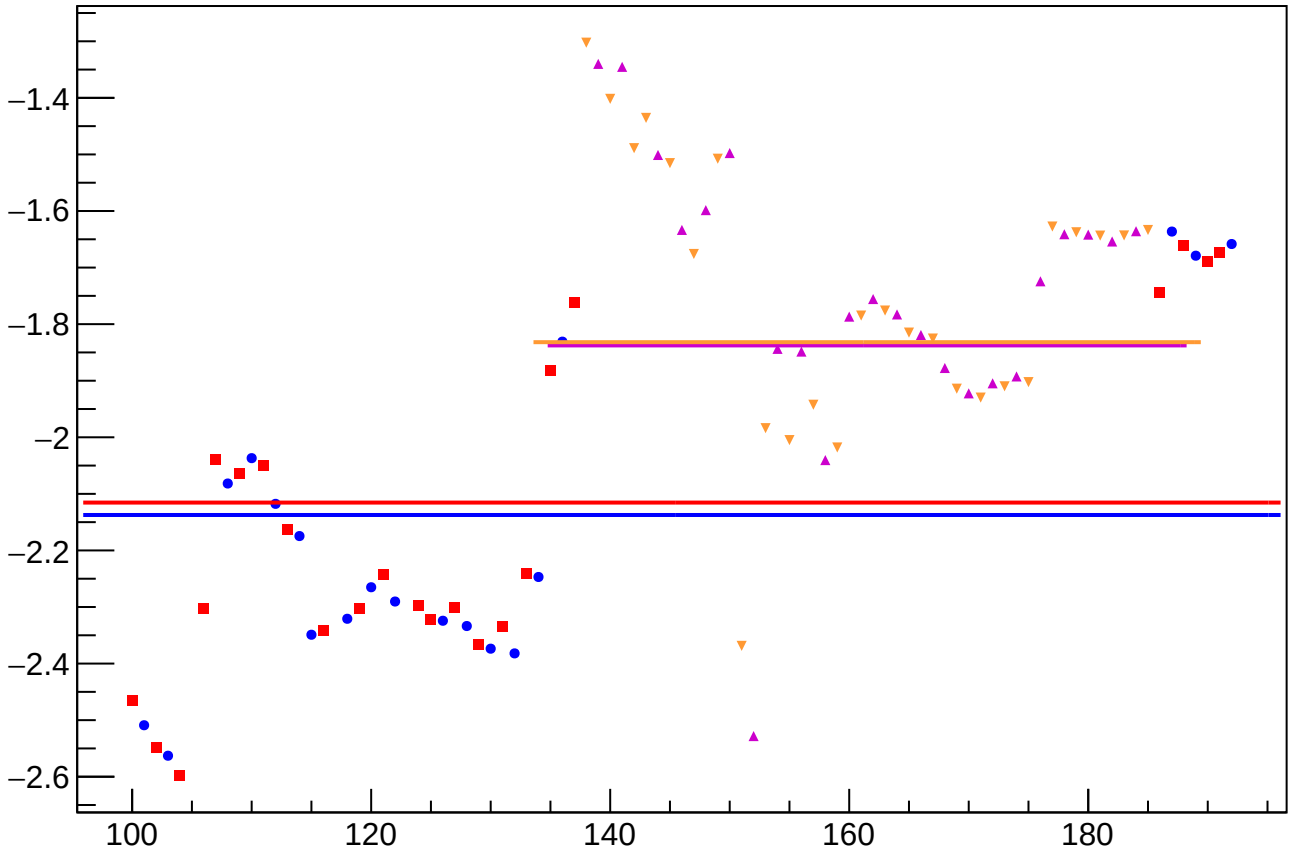
Right Out: 0.003+/-0.000 χ^2/NDF: 2418397.7/22

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 3205094.8/43

All: 0.002+/-0.000 χ^2/NDF: 7102407.1/89

- sign 0.002+/-0.000 χ^2/NDF: 3890983.2/45



Right In: -2.137+/-0.000 χ^2/NDF: 22650445909.8/18

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

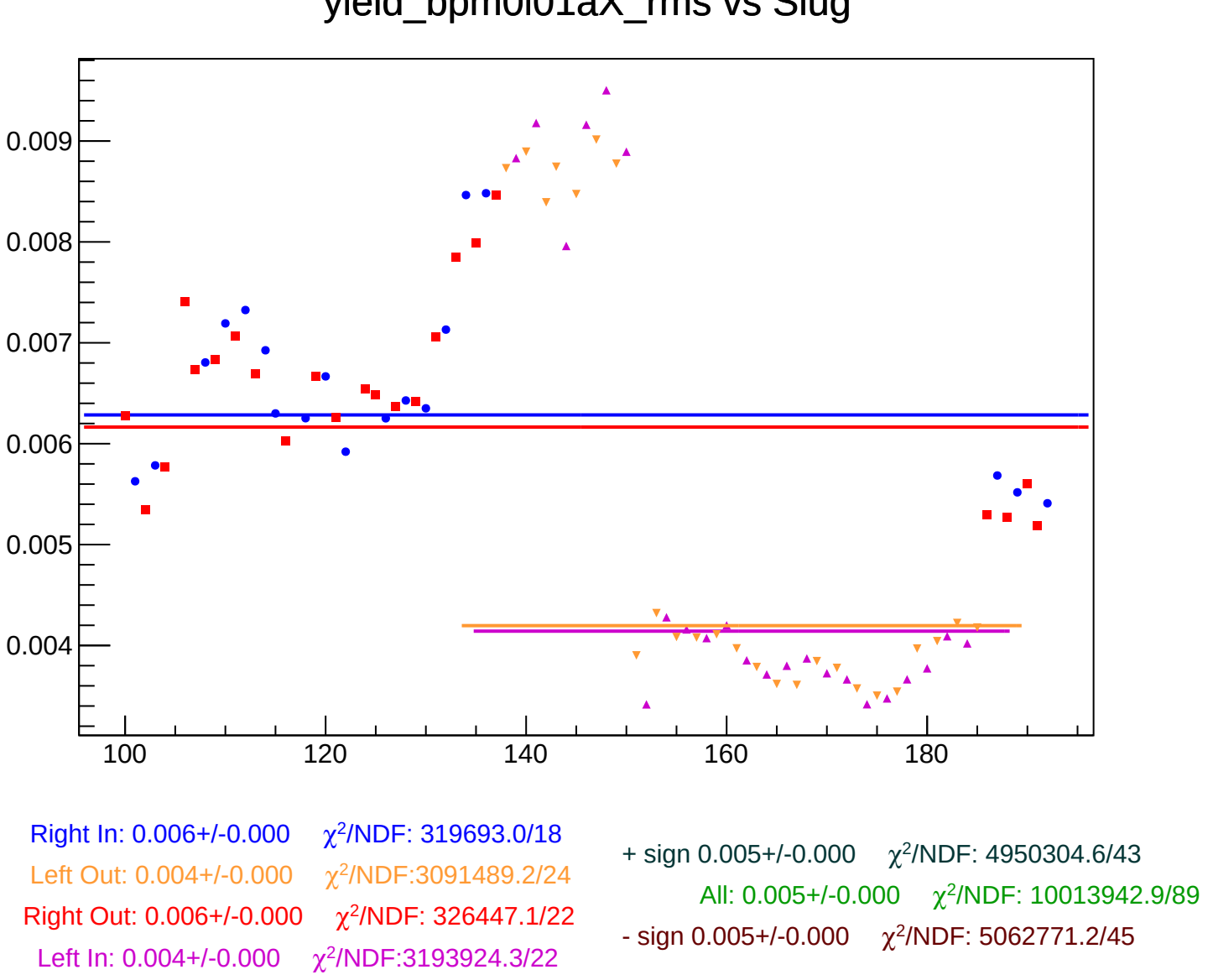
Right Out: -2.115+/-0.000 χ^2/NDF: 24789340998.7/22

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

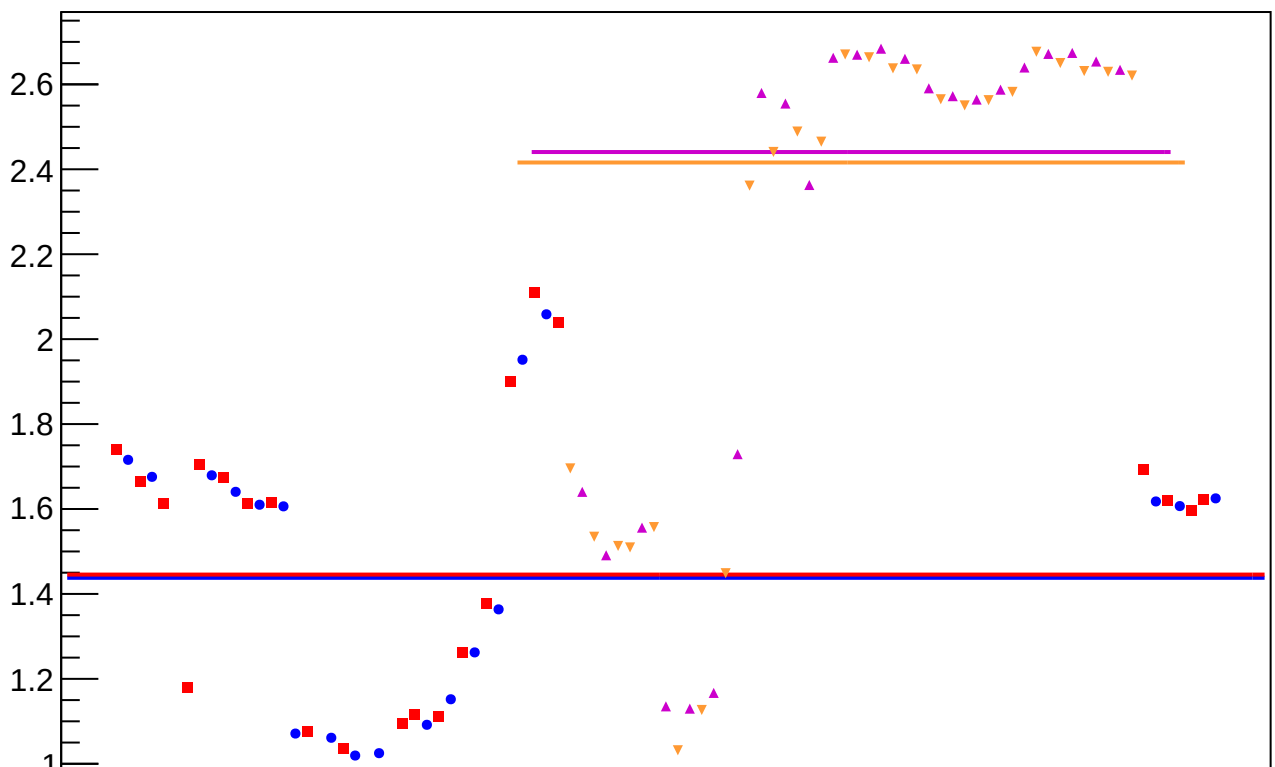
+ sign -1.887+/-0.000 χ^2/NDF: 77479479811.5/43

All: -1.890+/-0.000 χ^2/NDF: 170274171516.0

- sign -1.893+/-0.000 χ^2/NDF: 92772344958.7/45


yield_bpm0i01aX_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
100
120
140
160
180
Right In: 0.006+/-0.000 χ²/NDF: 319693.0/18
Left Out: 0.004+/-0.000 χ²/NDF:3091489.2/24
Right Out: 0.006+/-0.000 χ²/NDF: 326447.1/22
Left In: 0.004+/-0.000 χ²/NDF:3193924.3/22
+ sign 0.005+/-0.000 χ²/NDF: 4950304.6/43
All: 0.005+/-0.000 χ²/NDF: 10013942.9/89
- sign 0.005+/-0.000 χ²/NDF: 5062771.2/45

yield_bpm0i01aY_mean vs Slug



Right In: 1.438+/-0.000 χ^2/NDF: 191207052618.1/18

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.446+/-0.000 χ^2/NDF: 184814116937.0/22

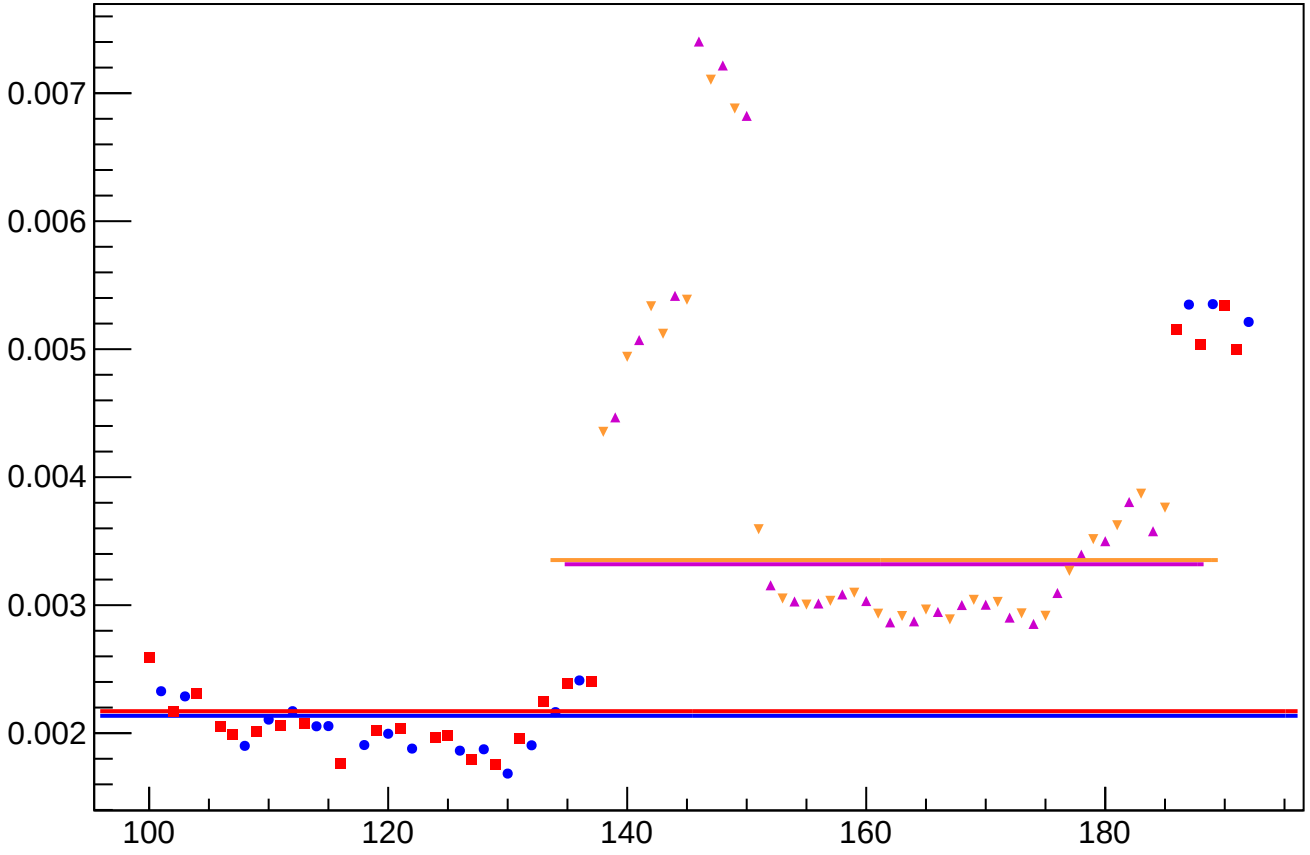
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.907+/-0.000 χ^2/NDF: 1207130210505.0/43

All: 1.907+/-0.000 χ^2/NDF: 2408969878230.

- sign 1.908+/-0.000 χ^2/NDF: 1201837255357.2/45

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1371438.0/18

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

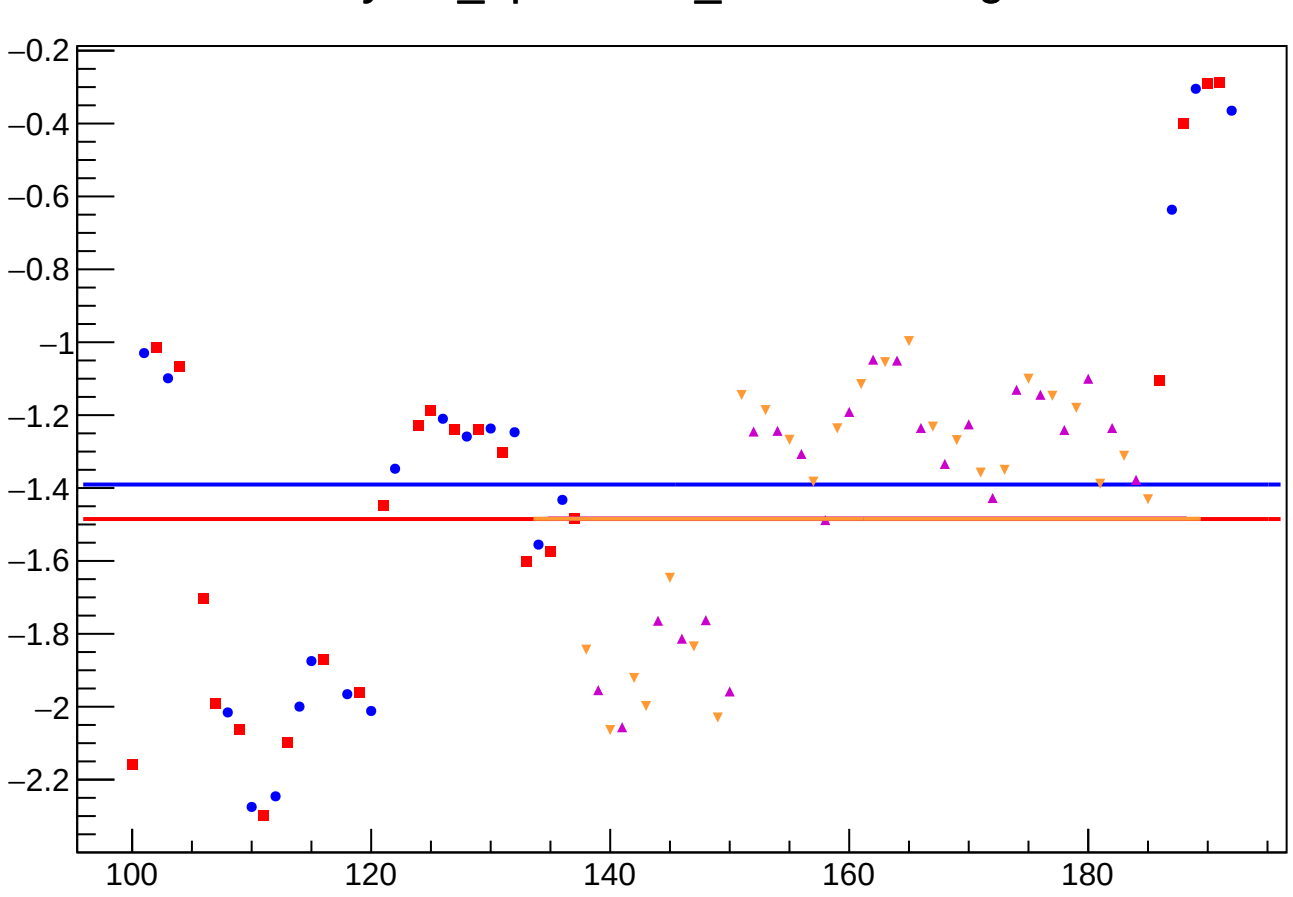
Right Out: 0.002+/-0.000 χ^2/NDF: 1458314.0/22

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 5583797.5/43

All: 0.003+/-0.000 χ^2/NDF: 11188218.6/89

- sign 0.003+/-0.000 χ^2/NDF: 5603818.0/45



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

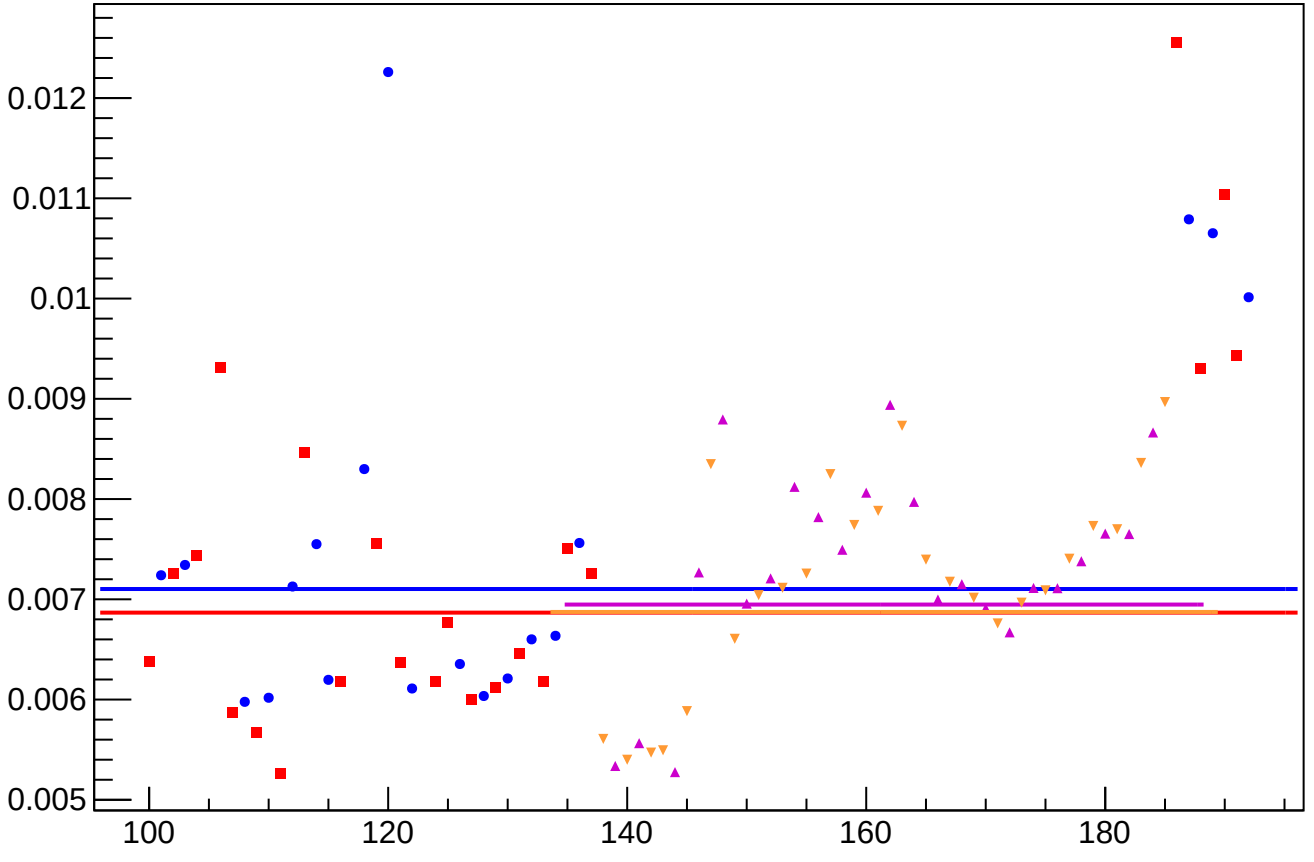
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.457+/-0.000 χ^2/NDF: 89846075144.2/43

All: -1.470+/-0.000 χ^2/NDF: 181570436785.

- sign -1.484+/-0.000 χ^2/NDF: 91529027174.1/45

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 577550.6/18

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

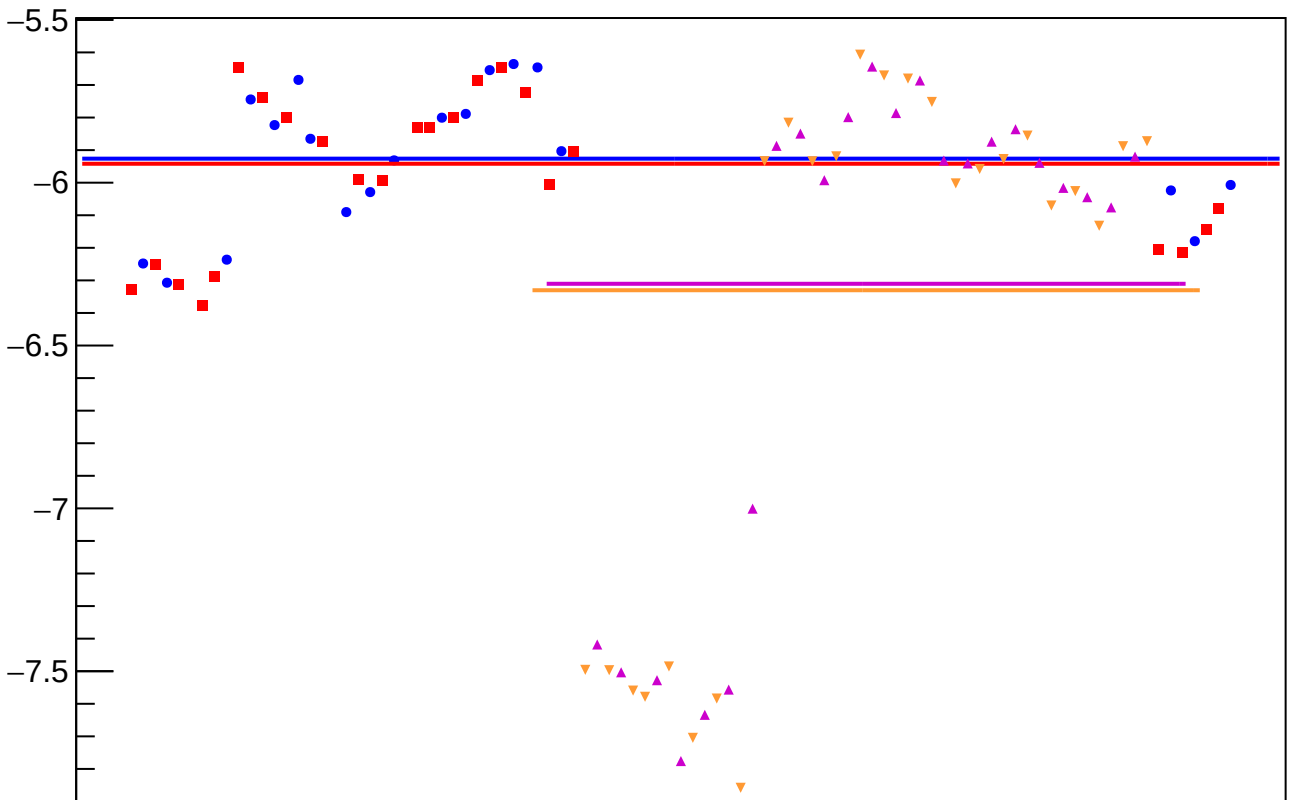
Right Out: 0.007+/-0.000 χ^2/NDF: 679784.8/22

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1334734.4/43

All: 0.007+/-0.000 χ^2/NDF: 2763013.2/89

- sign 0.007+/-0.000 χ^2/NDF: 1428063.0/45



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

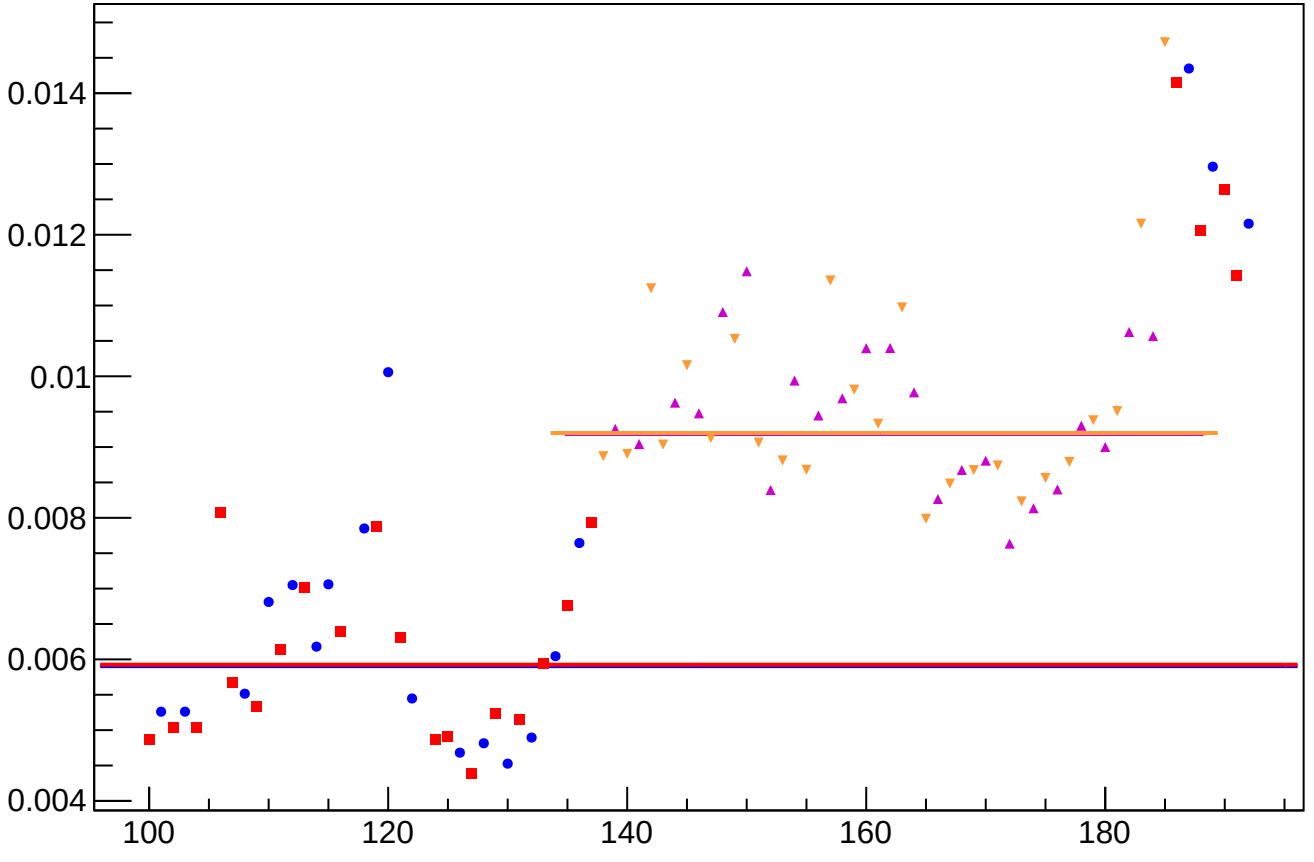
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.119+/-0.000 χ^2/NDF: 138574207006.2/43

All: -6.114+/-0.000 χ^2/NDF: 257326850328.2

- sign -6.108+/-0.000 χ^2/NDF: 118726246828.3/45

yield_bpm0l01Y_rms vs Slug



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

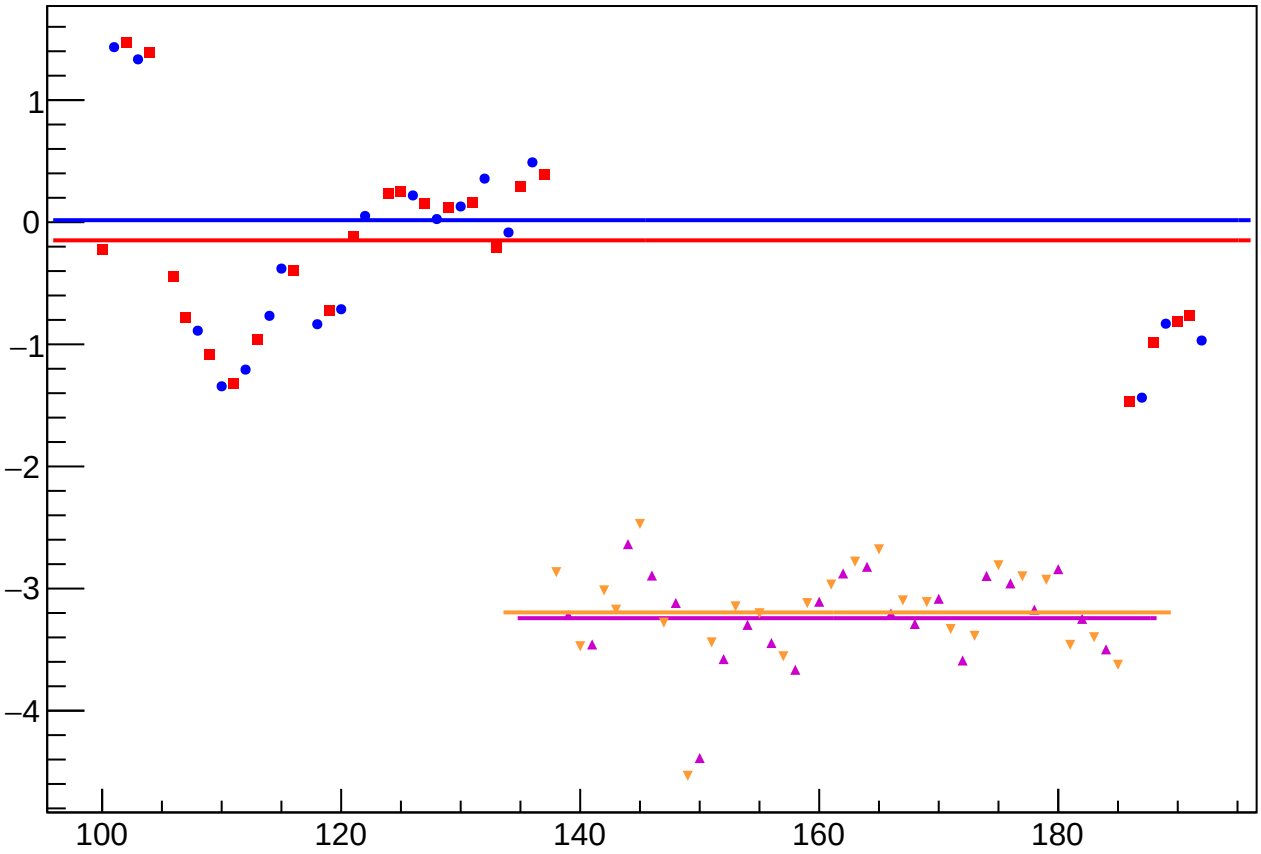
Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.007+/-0.000 χ^2/NDF: 3975484.3/43

All: 0.007+/-0.000 χ^2/NDF: 7880777.8/89

- sign 0.007+/-0.000 χ^2/NDF: 3902328.8/45

yield_bpm0l02X_mean vs Slug



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

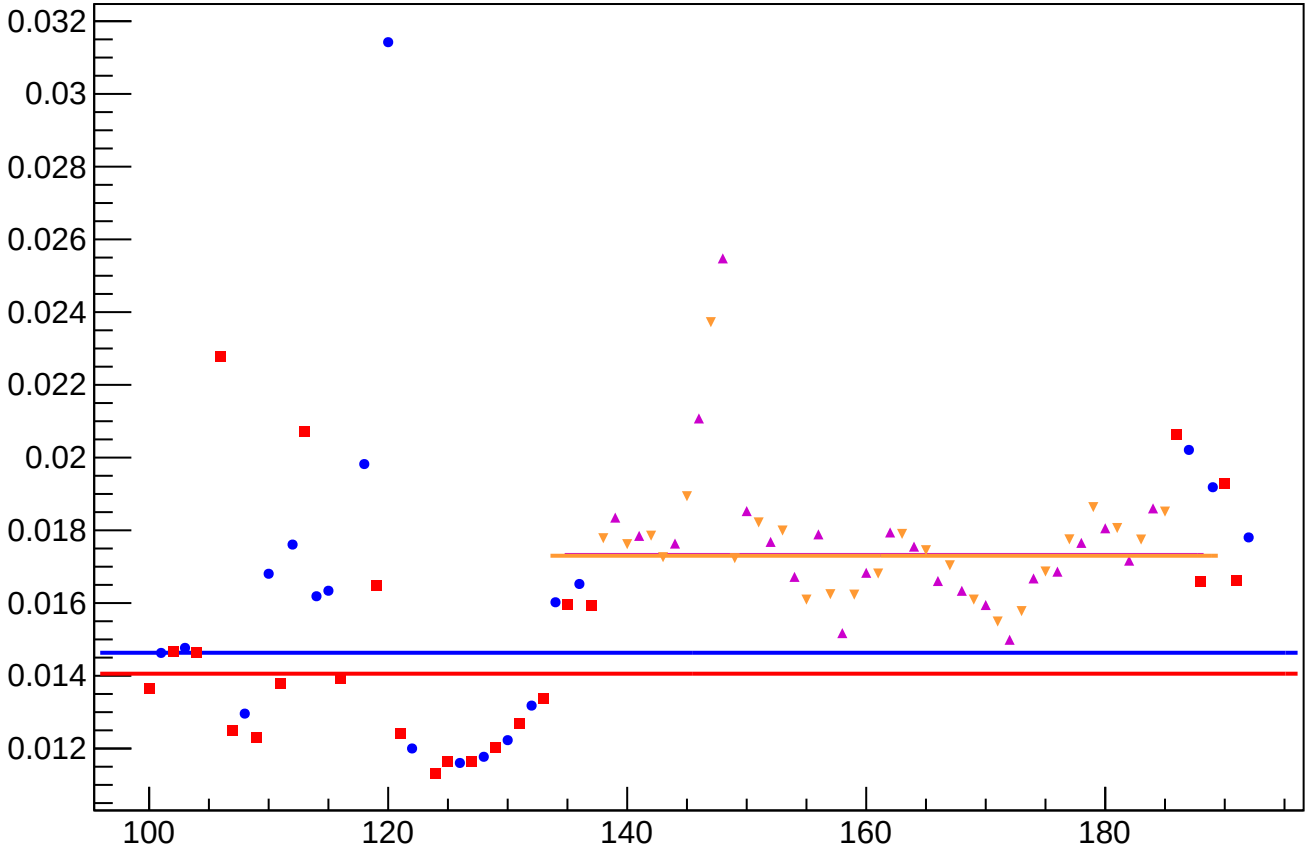
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -2.005+/-0.000 χ^2/NDF: 270184273004.6/43

All: -1.966+/-0.000 χ^2/NDF: 543636379274.

- sign -1.928+/-0.000 χ^2/NDF: 273155769750.6/45

yield_bpm0l02X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 626065.0/18

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

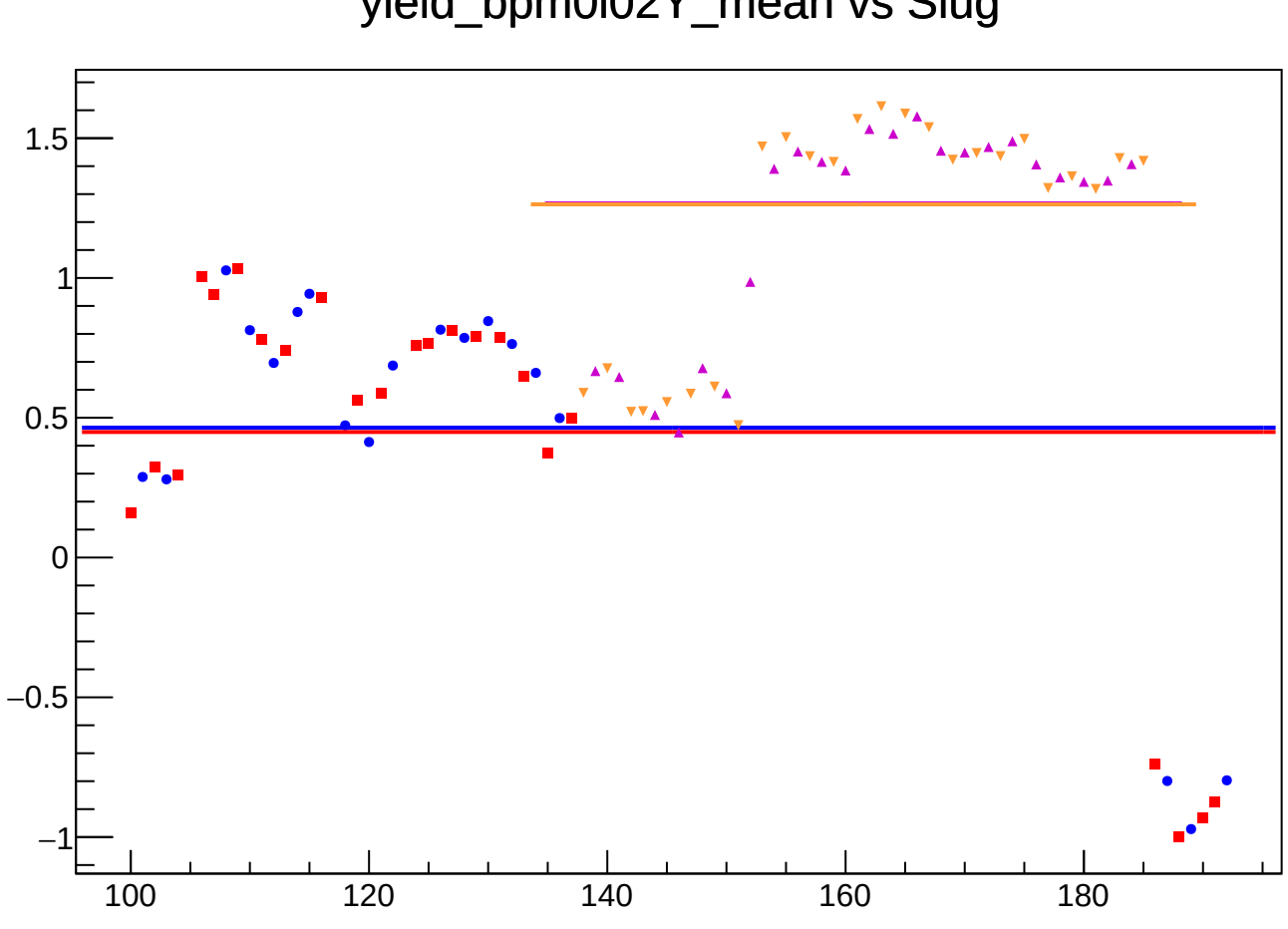
Right Out: 0.014+/-0.000 χ^2/NDF: 512263.2/22

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.016+/-0.000 χ^2/NDF: 1171567.3/43

All: 0.016+/-0.000 χ^2/NDF: 2556984.2/89

- sign 0.016+/-0.000 χ^2/NDF: 1371212.4/45



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

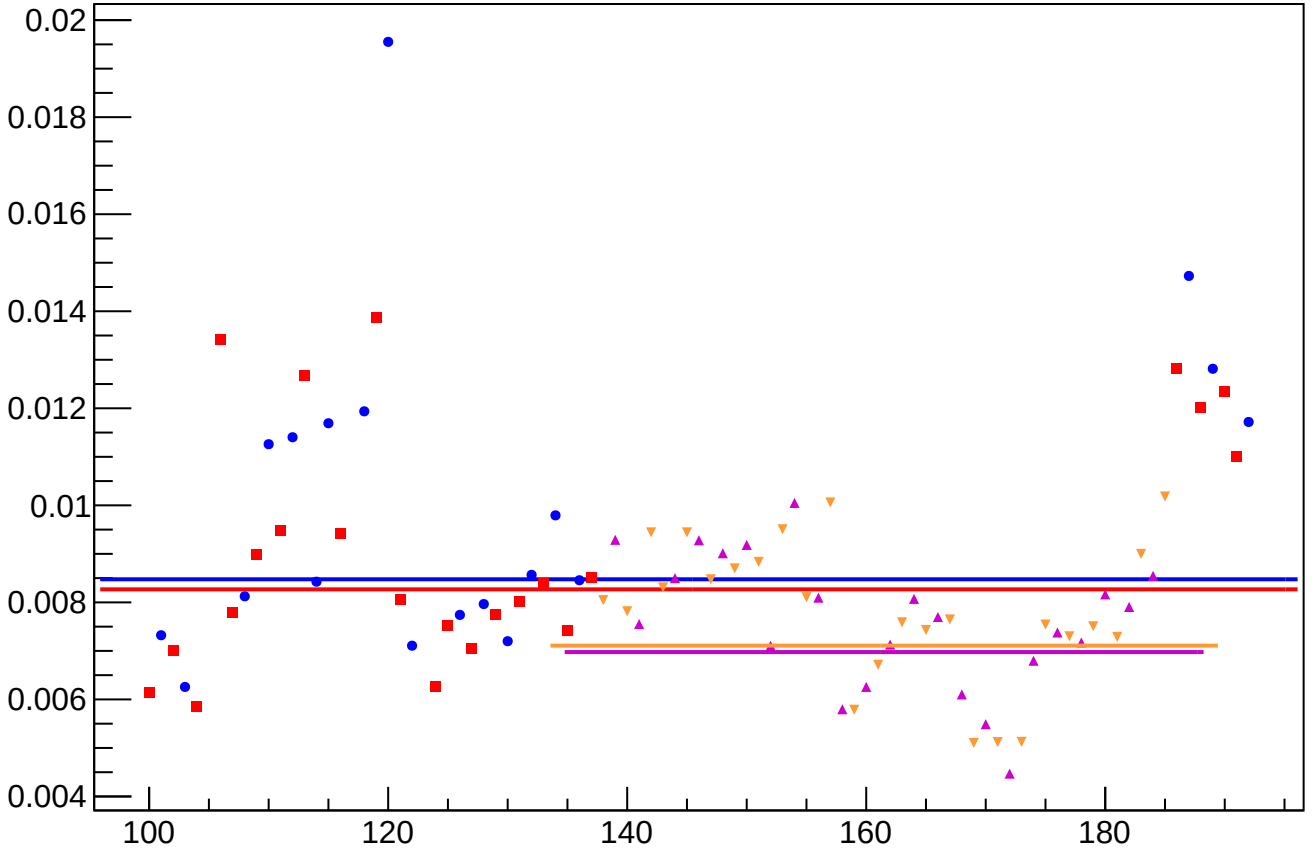
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 1.073+/-0.000 χ^2/NDF: 122673447903.3/43

All: 1.063+/-0.000 χ^2/NDF: 252303550565.8

- sign 1.053+/-0.000 χ^2/NDF: 129539092810.1/45

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 949515.8/18

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

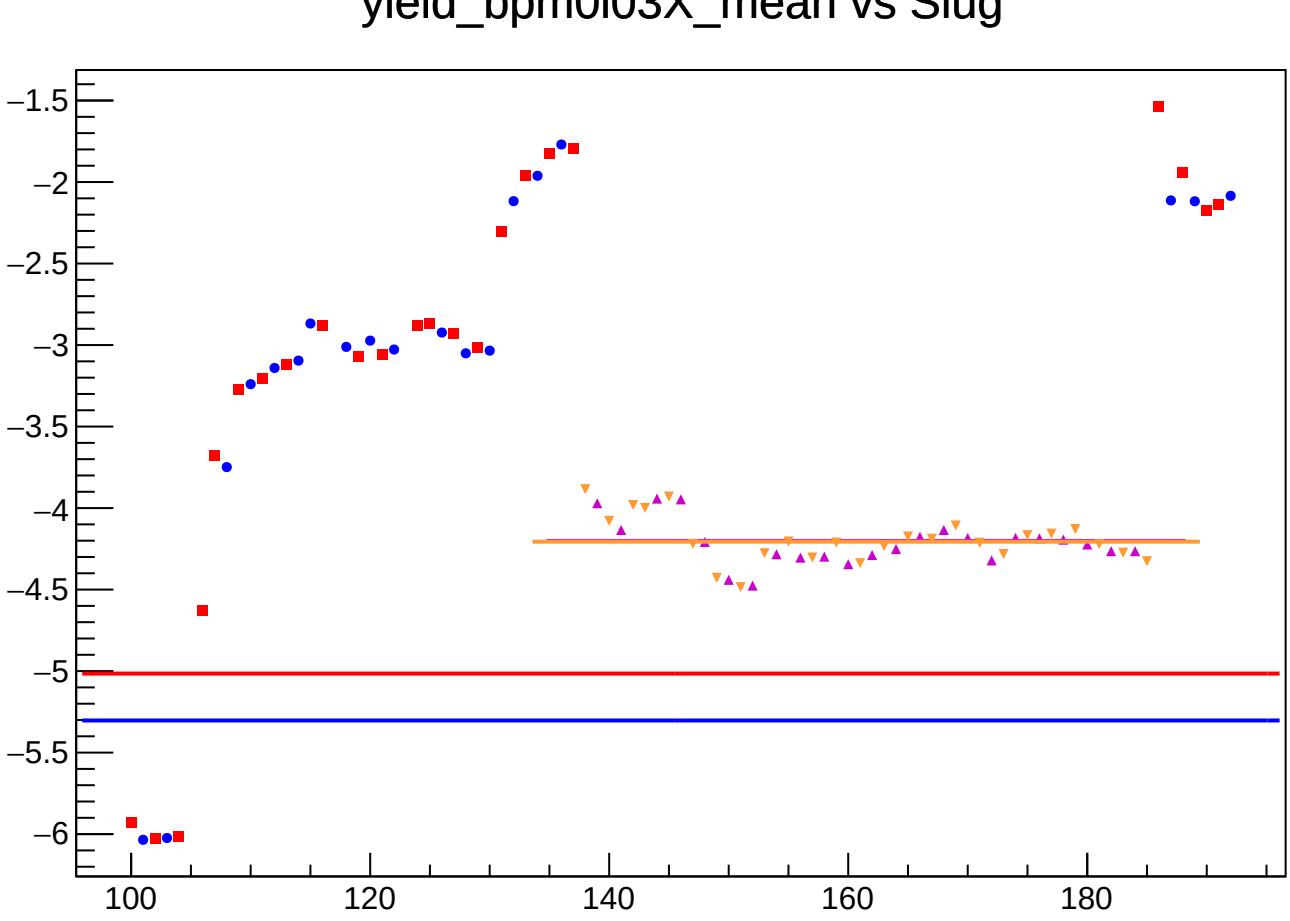
Right Out: 0.008+/-0.000 χ^2/NDF: 1007359.3/22

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 2767927.1/43

All: 0.007+/-0.000 χ^2/NDF: 5530162.9/89

- sign 0.007+/-0.000 χ^2/NDF: 2755747.8/45



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

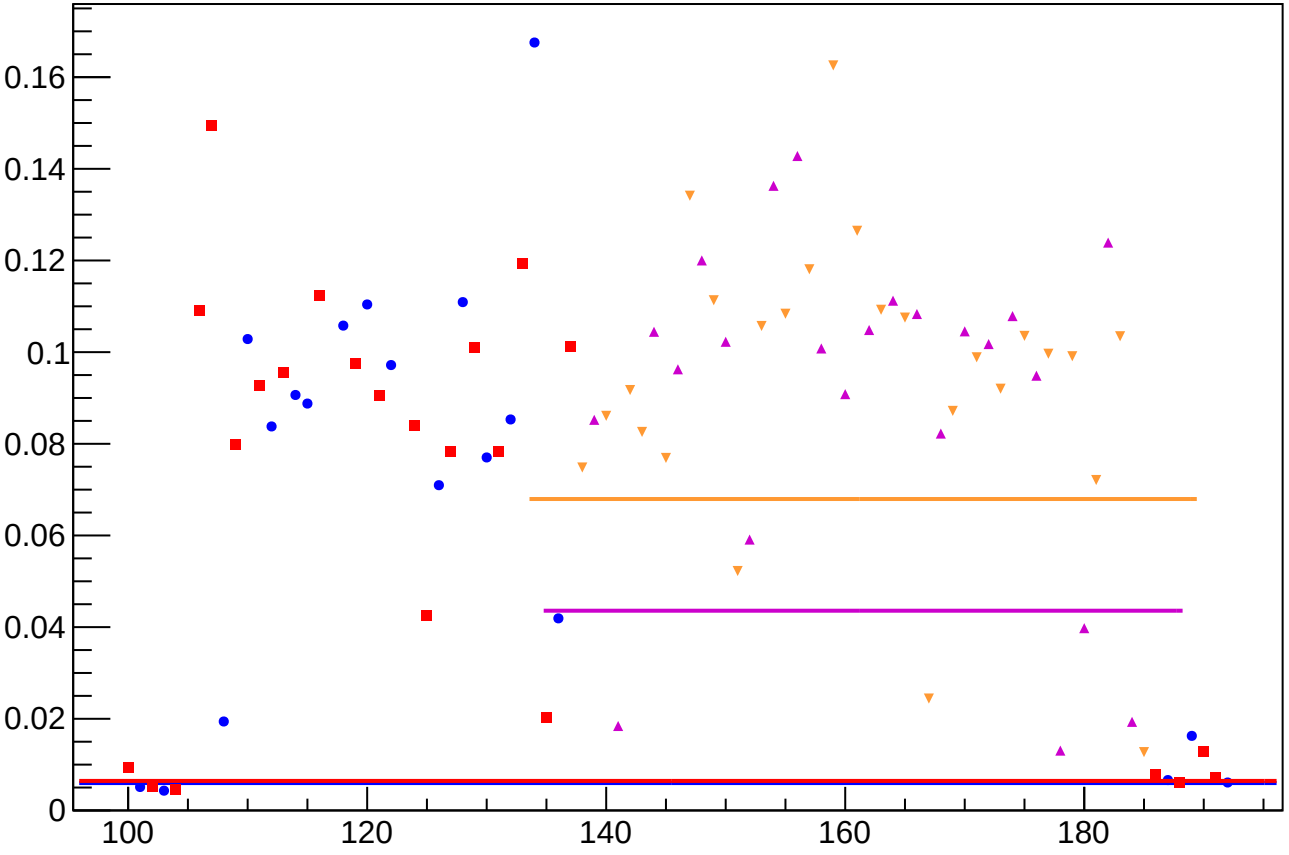
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -5.258+/-0.000 χ^2/NDF: 146041164846.2/43

All: -5.115+/-0.000 χ^2/NDF: 321183445003.0

- sign -4.959+/-0.000 χ^2/NDF: 172384860833.8/45

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8796847.2/18

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

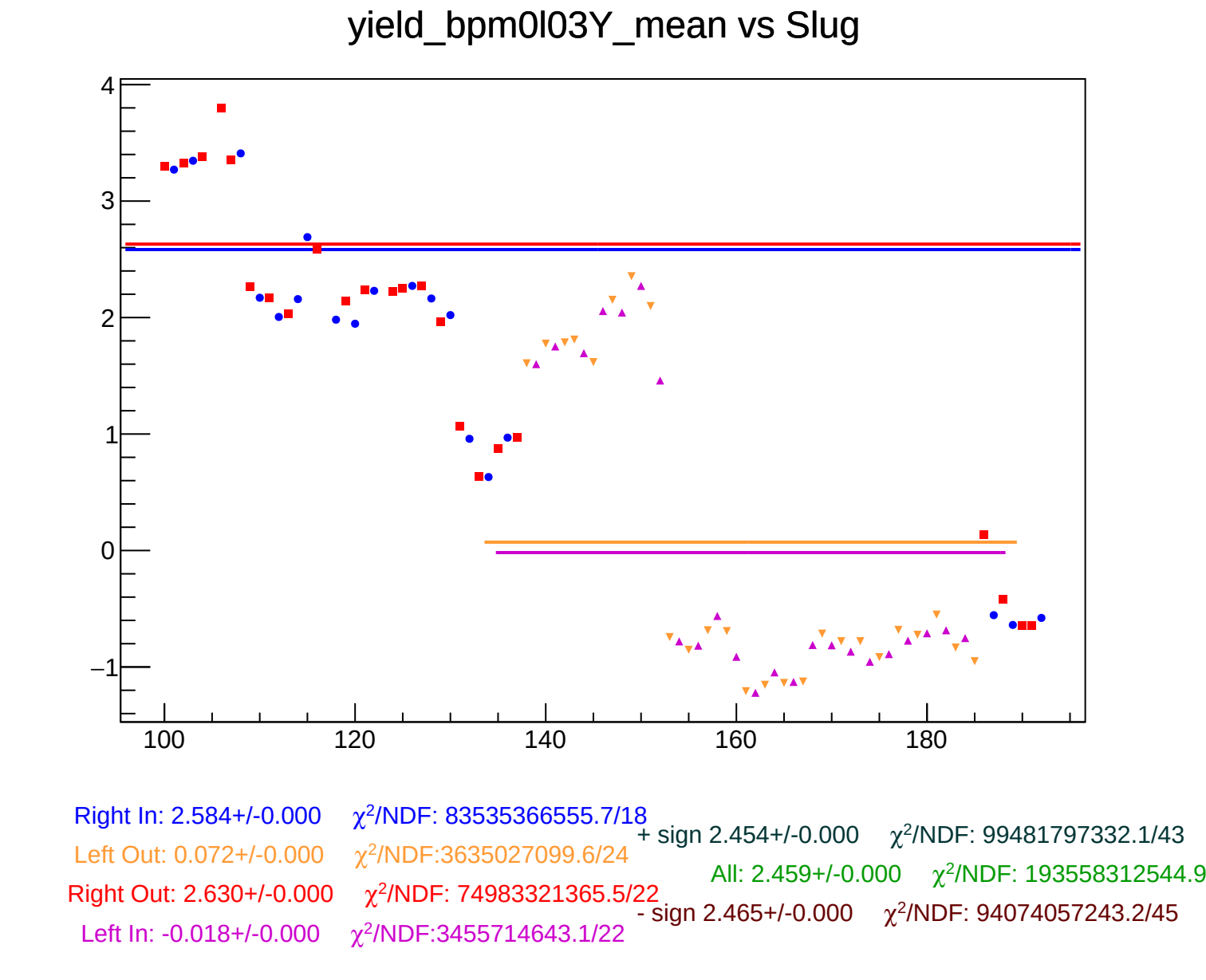
Right Out: 0.006+/-0.000 χ^2/NDF: 8795488.3/22

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

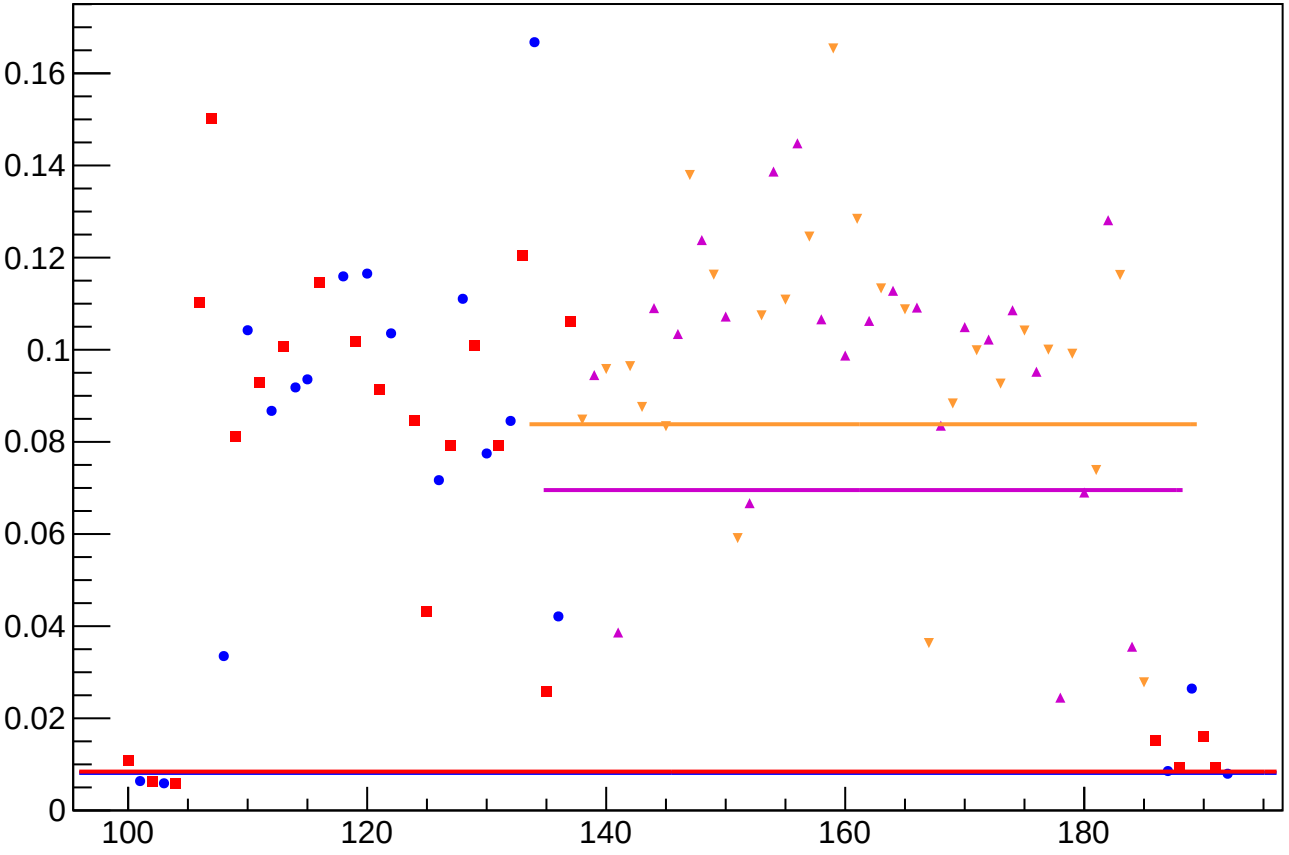
+ sign 0.009+/-0.000 χ^2/NDF: 36030276.5/43

All: 0.009+/-0.000 χ^2/NDF: 68104517.1/89

- sign 0.009+/-0.000 χ^2/NDF: 32058558.4/45


yield_bpm0l03Y_mean vs Slug
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
+ sign 2.454+/-0.000 χ²/NDF: 99481797332.1/43
All: 2.459+/-0.000 χ²/NDF: 193558312544.9
- sign 2.465+/-0.000 χ²/NDF: 94074057243.2/45

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8576293.7/18

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

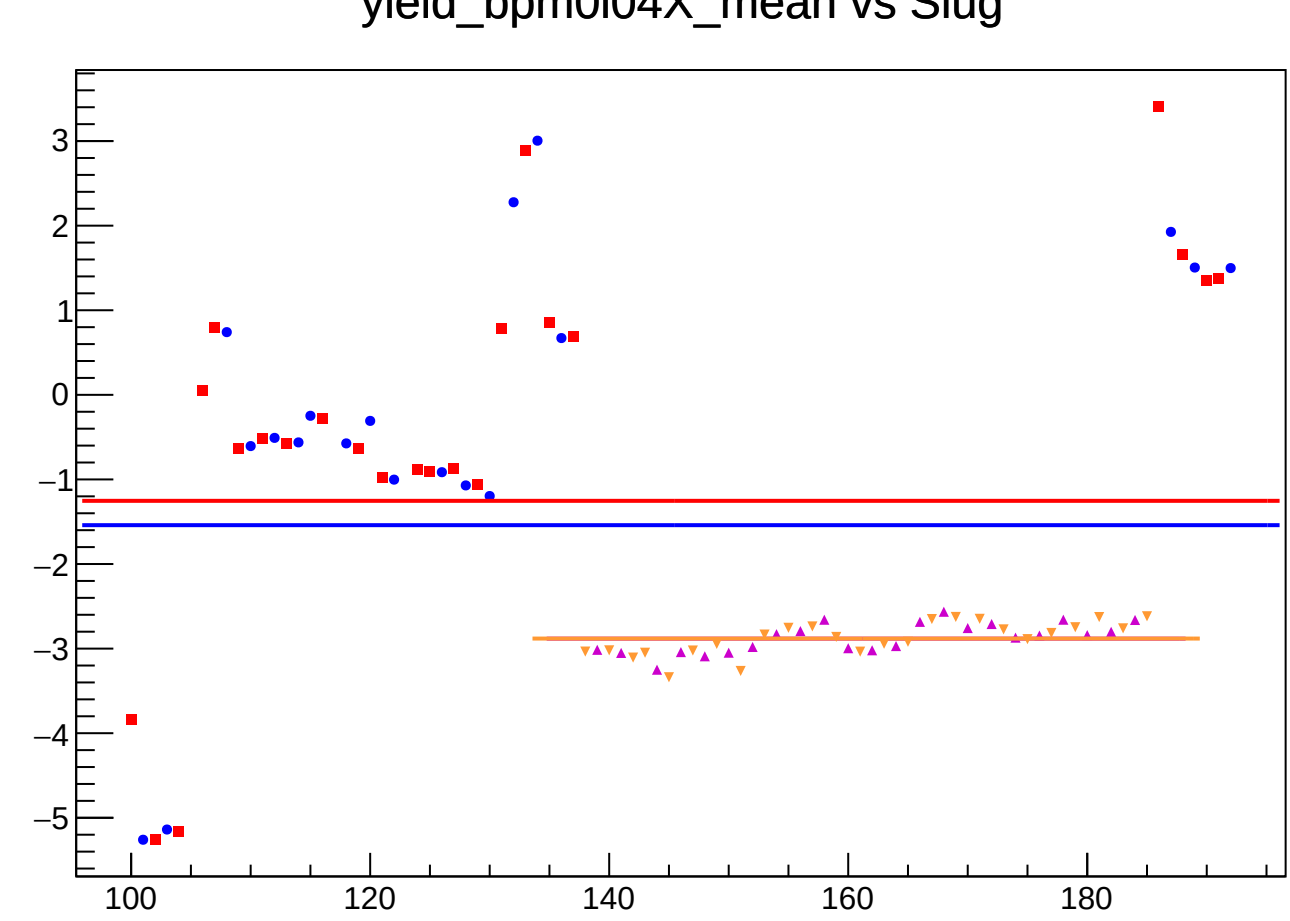
Right Out: 0.008+/-0.000 χ^2/NDF: 8670930.0/22

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 34754657.9/43

All: 0.012+/-0.000 χ^2/NDF: 66772266.8/89

- sign 0.012+/-0.000 χ^2/NDF: 32016253.5/45



Right In: -1.541+/-0.000 χ^2/NDF: 196303517890.3/18

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

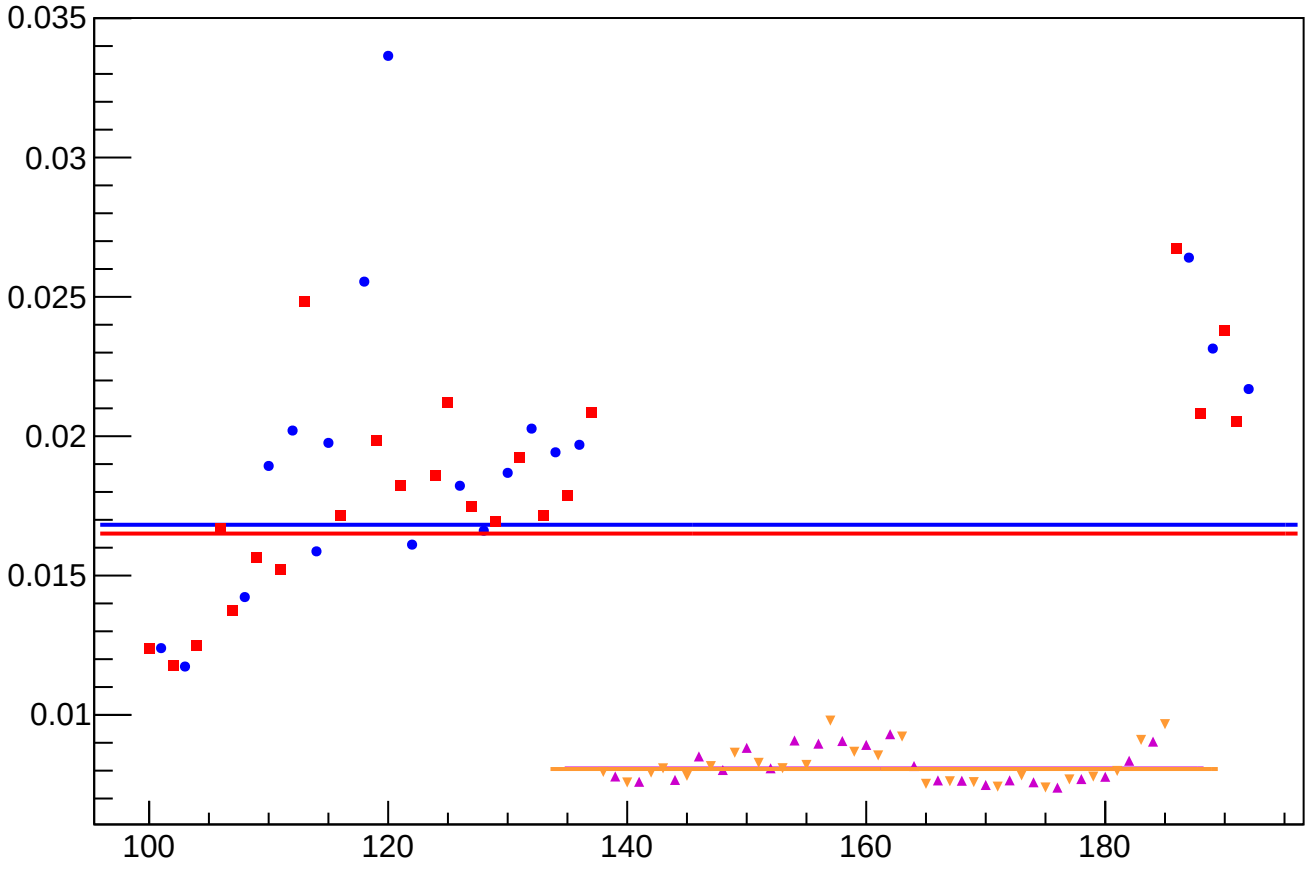
Right Out: -1.253+/-0.000 χ^2/NDF: 210209321505.2/22

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.769+/-0.000 χ^2/NDF: 249415565856.5/43

All: -2.745+/-0.000 χ^2/NDF: 539124742945.9

- sign -2.720+/-0.000 χ^2/NDF: 289338253181.2/45



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

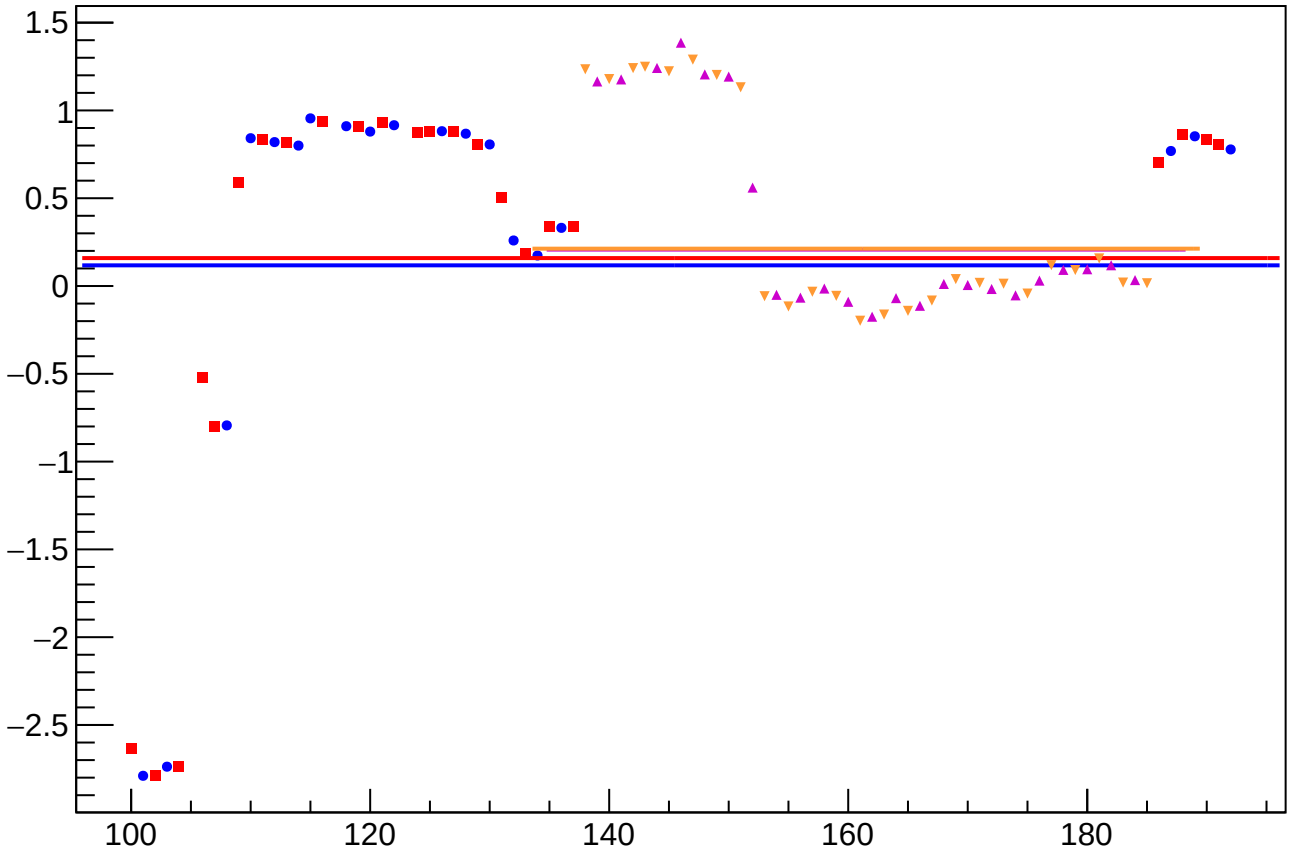
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

\+ sign 0.009+/-0.000 χ^2/NDF: 4800792.4/43

All: 0.009+/-0.000 χ^2/NDF: 9578438.1/89

\- sign 0.009+/-0.000 χ^2/NDF: 4772602.3/45

yield_bpm0l04Y_mean vs Slug



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

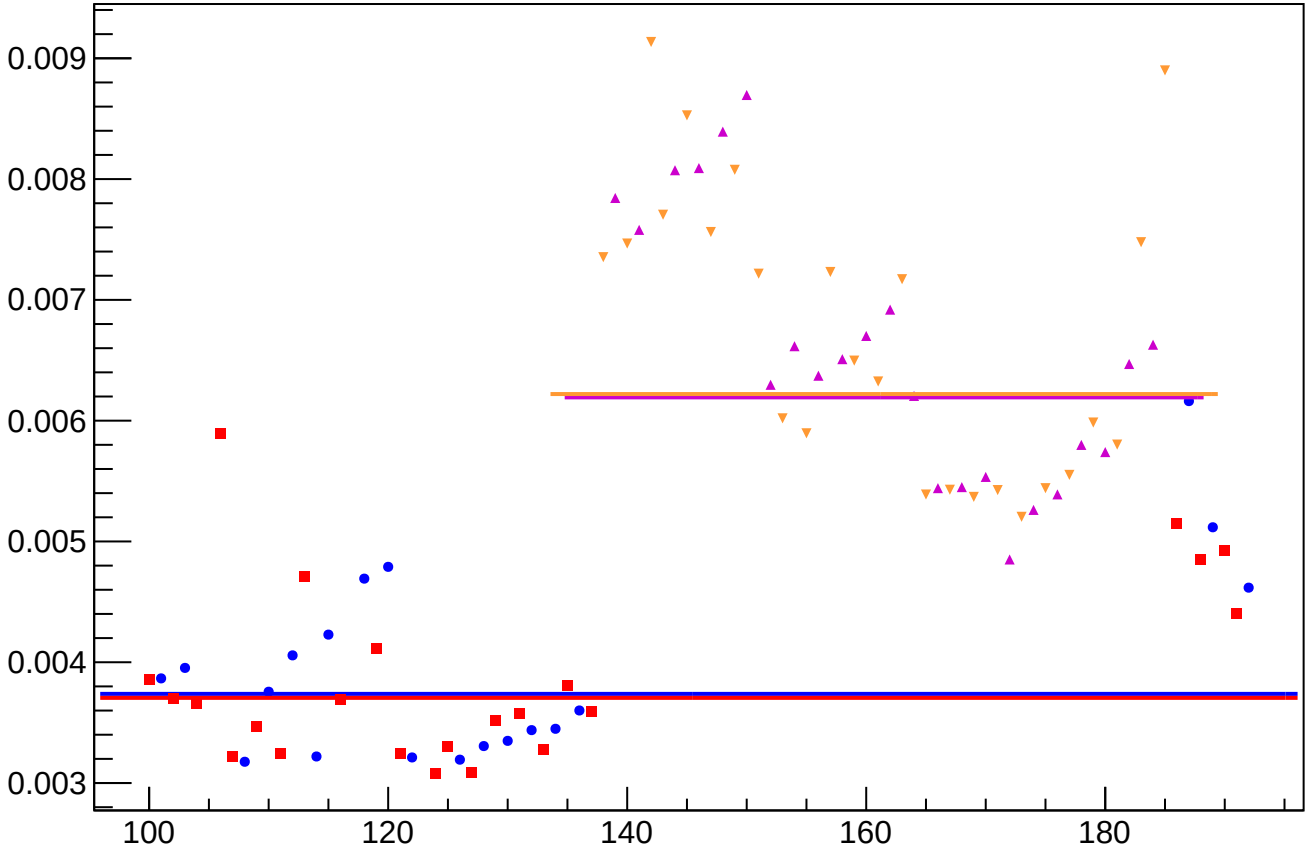
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.158+/-0.000 χ^2/NDF: 991846110784.8/43

All: 0.168+/-0.000 χ^2/NDF: 2055013443478.

- sign 0.178+/-0.000 χ^2/NDF: 1062956984093.5/45

yield_bpm0l04Y_rms vs Slug



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

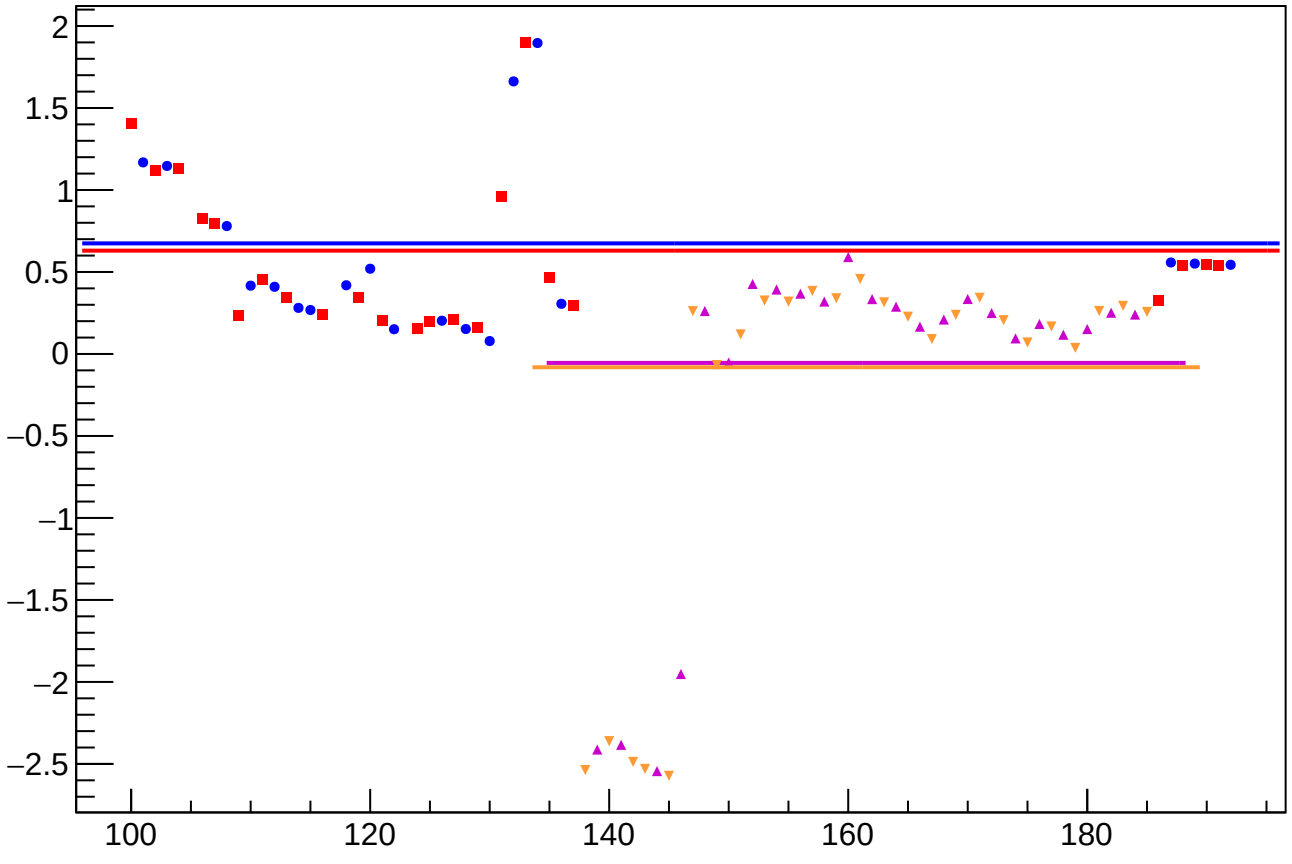
Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4269069.3/43

All: 0.005+/-0.000 χ^2/NDF: 8670169.2/89

- sign 0.005+/-0.000 χ^2/NDF: 4389605.4/45

yield_bpm0l05X_mean vs Slug



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

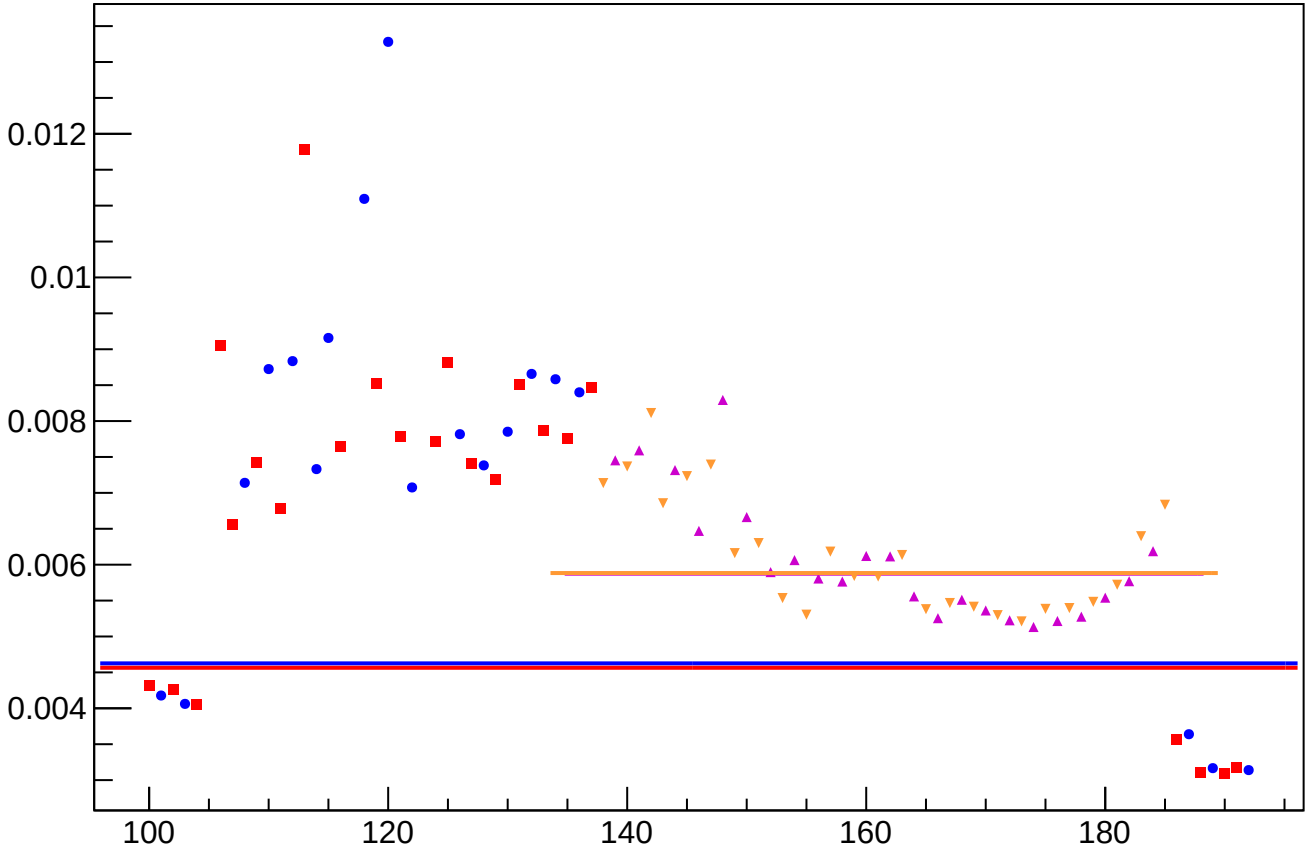
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.202+/-0.000 χ^2/NDF: 537395125885.1/43

All: 0.215+/-0.000 χ^2/NDF: 1020794975742.

- sign 0.229+/-0.000 χ^2/NDF: 483098393981.0/45

yield_bpm0l05X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2805855.4/18

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

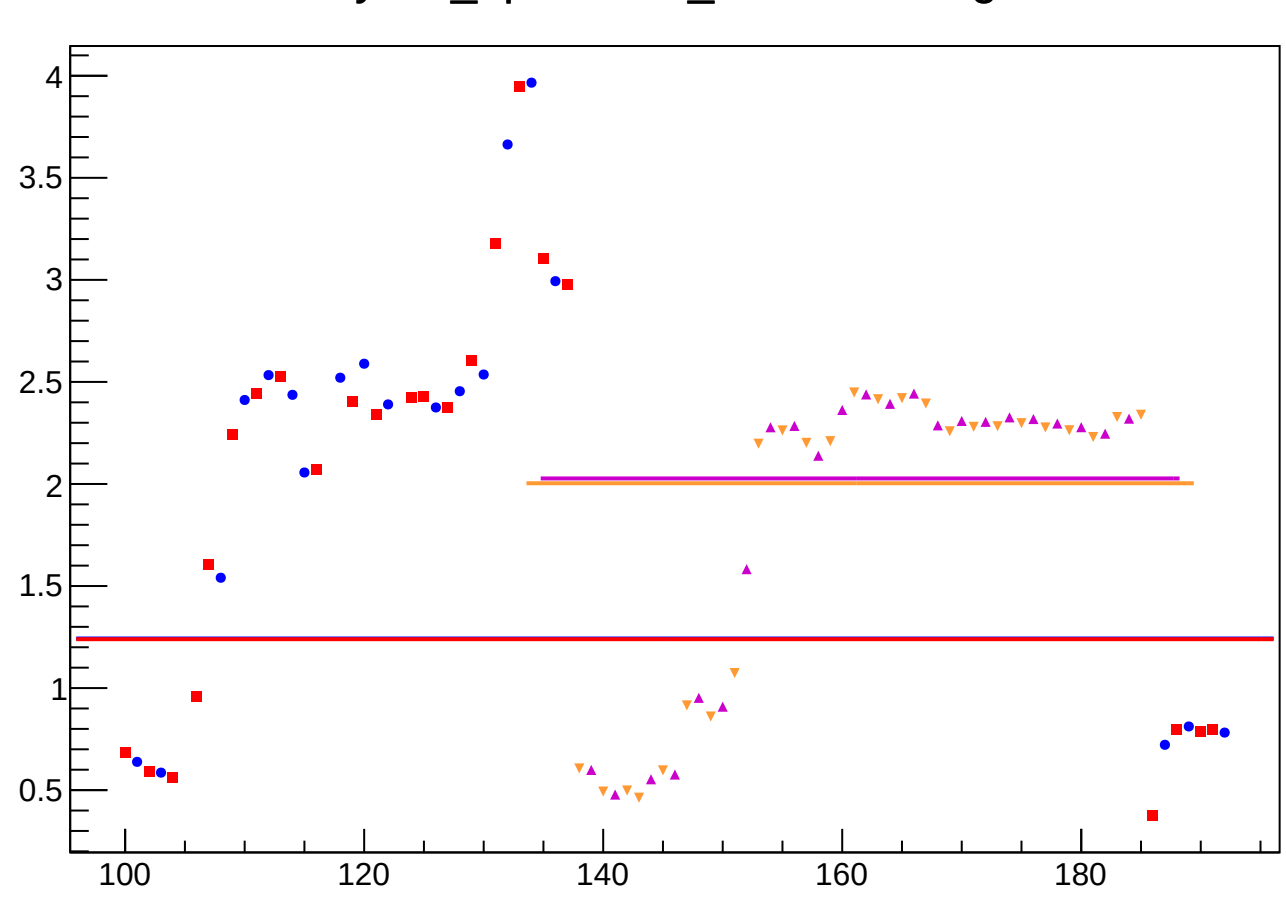
Right Out: 0.005+/-0.000 χ^2/NDF: 2725724.5/22

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 3863768.1/43

All: 0.005+/-0.000 χ^2/NDF: 7805384.1/89

- sign 0.005+/-0.000 χ^2/NDF: 3936348.6/45



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

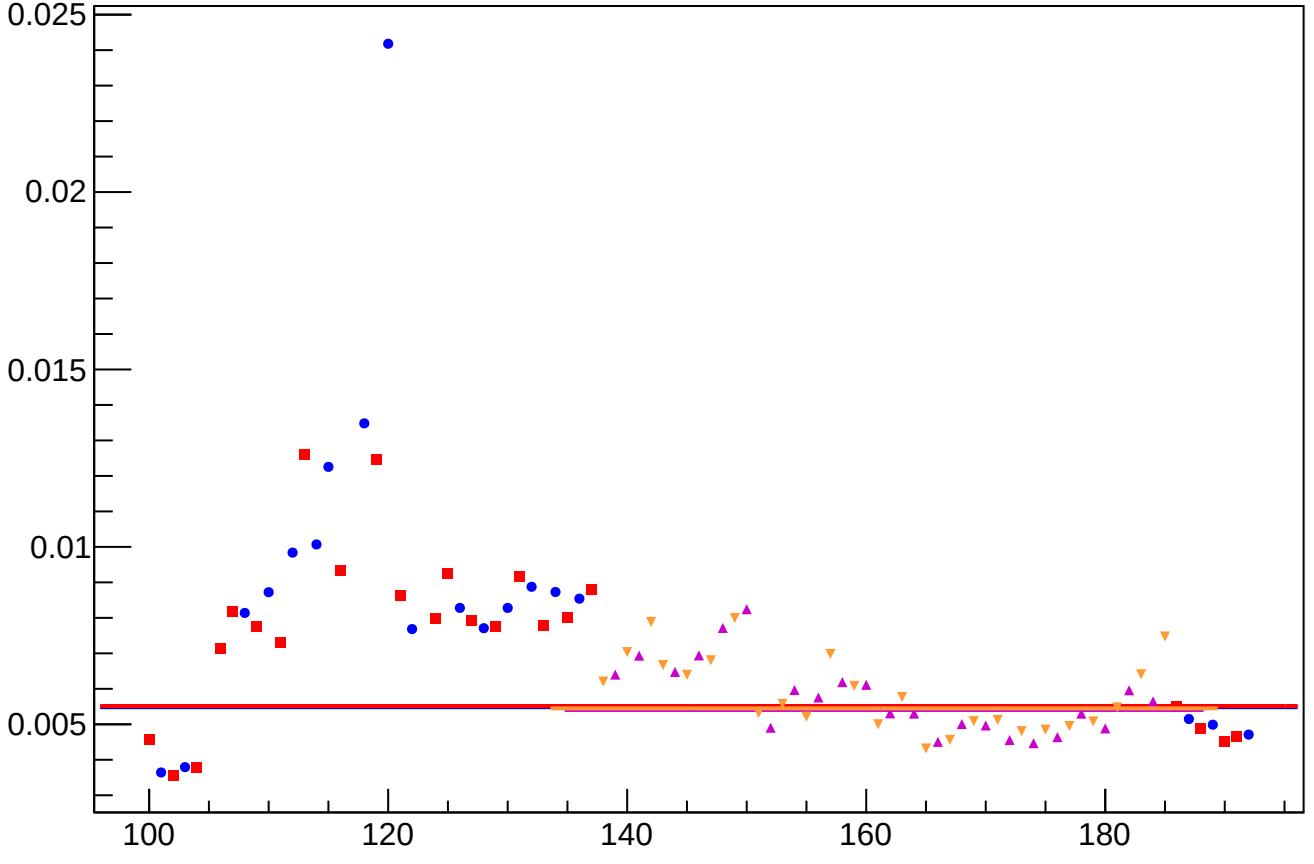
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.788+/-0.000 χ^2/NDF: 500027239347.6/43

All: 1.785+/-0.000 χ^2/NDF: 1017083233217.

- sign 1.782+/-0.000 χ^2/NDF: 517042259278.4/45

yield_bpm0l05Y_rms vs Slug



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

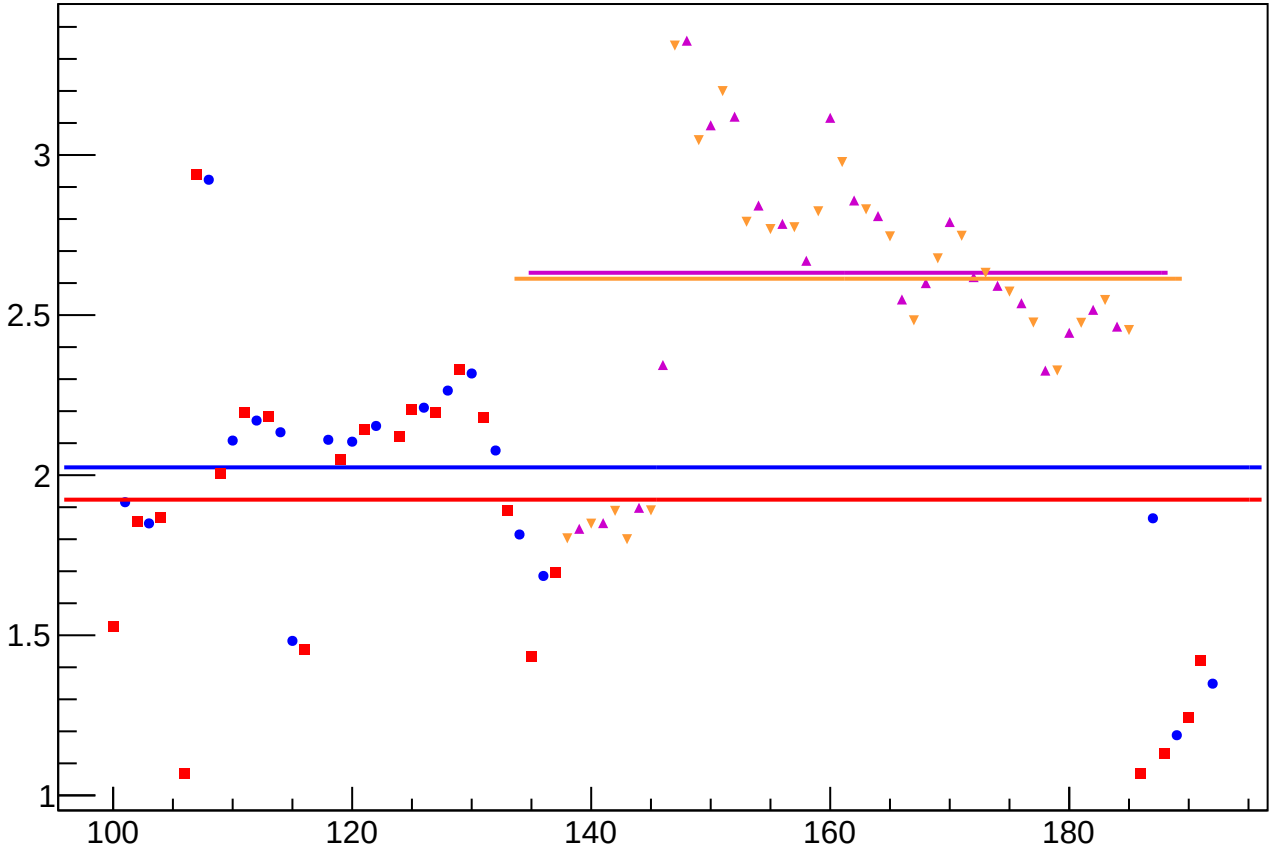
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3073472.4/43

All: 0.005+/-0.000 χ^2/NDF: 5957030.0/89

- sign 0.005+/-0.000 χ^2/NDF: 2883271.3/45

yield_bpm0l06X_mean vs Slug



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

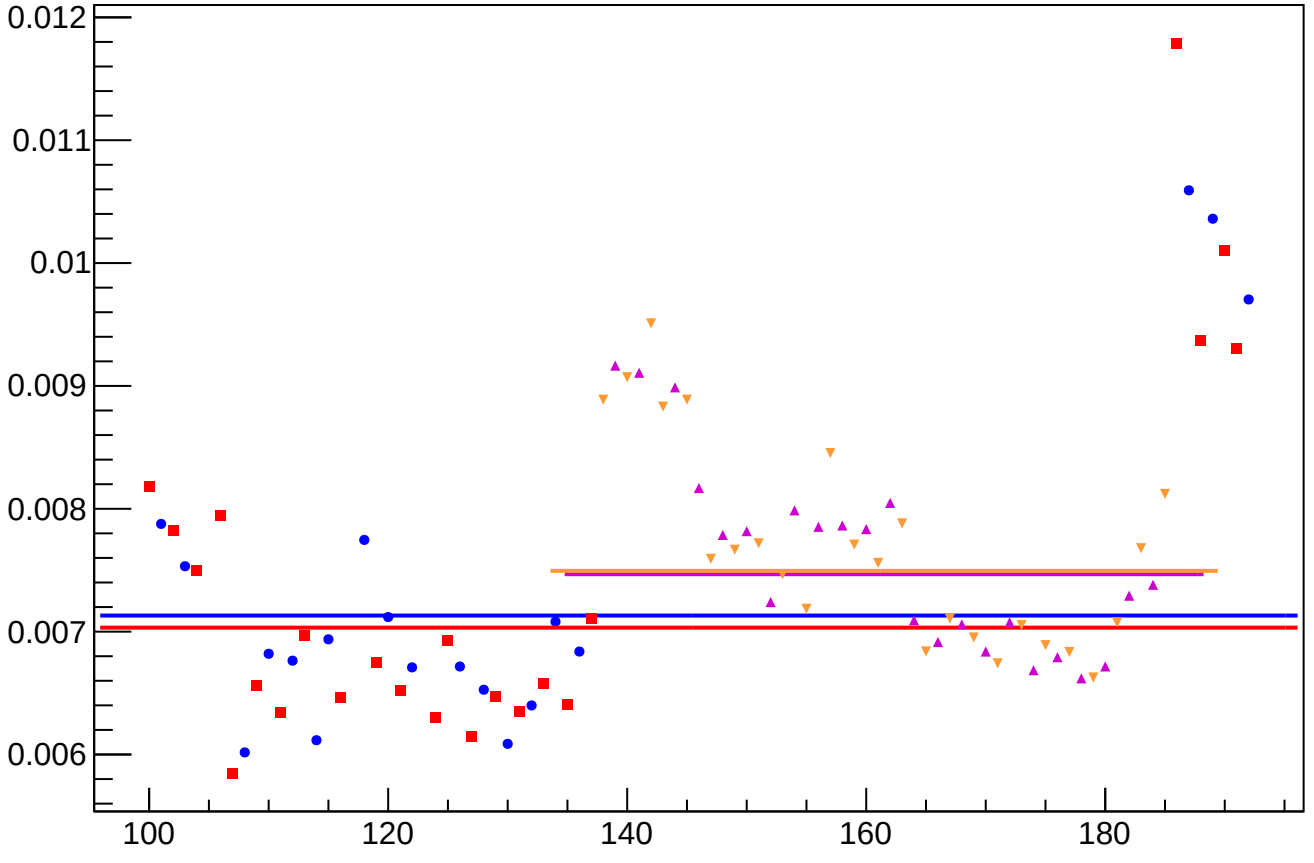
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.416+/-0.000 χ^2/NDF: 106741676059.2/43

All: 2.394+/-0.000 χ^2/NDF: 236558787207.5

- sign 2.373+/-0.000 χ^2/NDF: 129372951535.8/45

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 383700.4/18

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

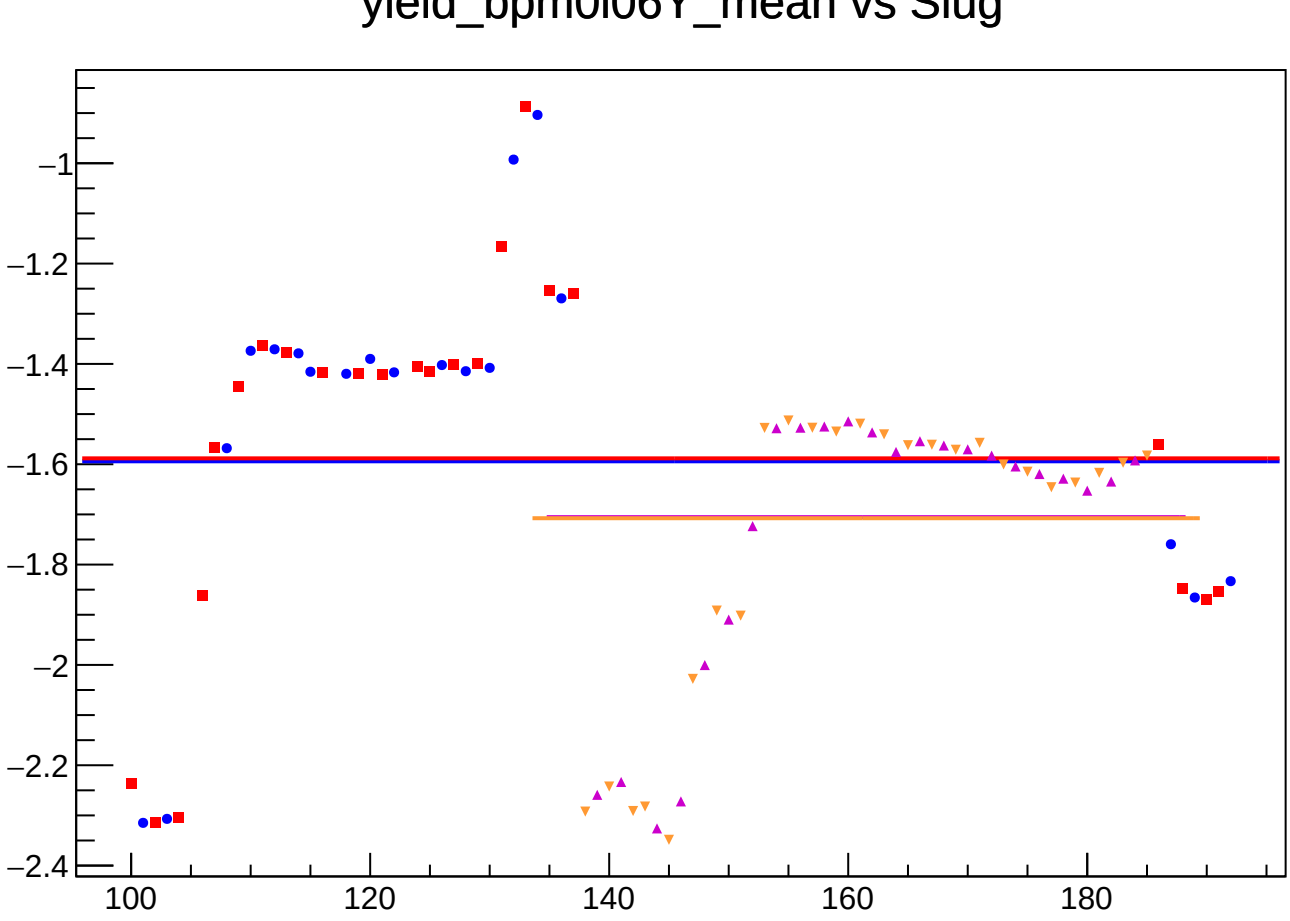
Right Out: 0.007+/-0.000 χ^2/NDF: 451686.7/22

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.007+/-0.000 χ^2/NDF: 745105.8/43

All: 0.007+/-0.000 χ^2/NDF: 1563686.9/89

- sign 0.007+/-0.000 χ^2/NDF: 816565.2/45



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

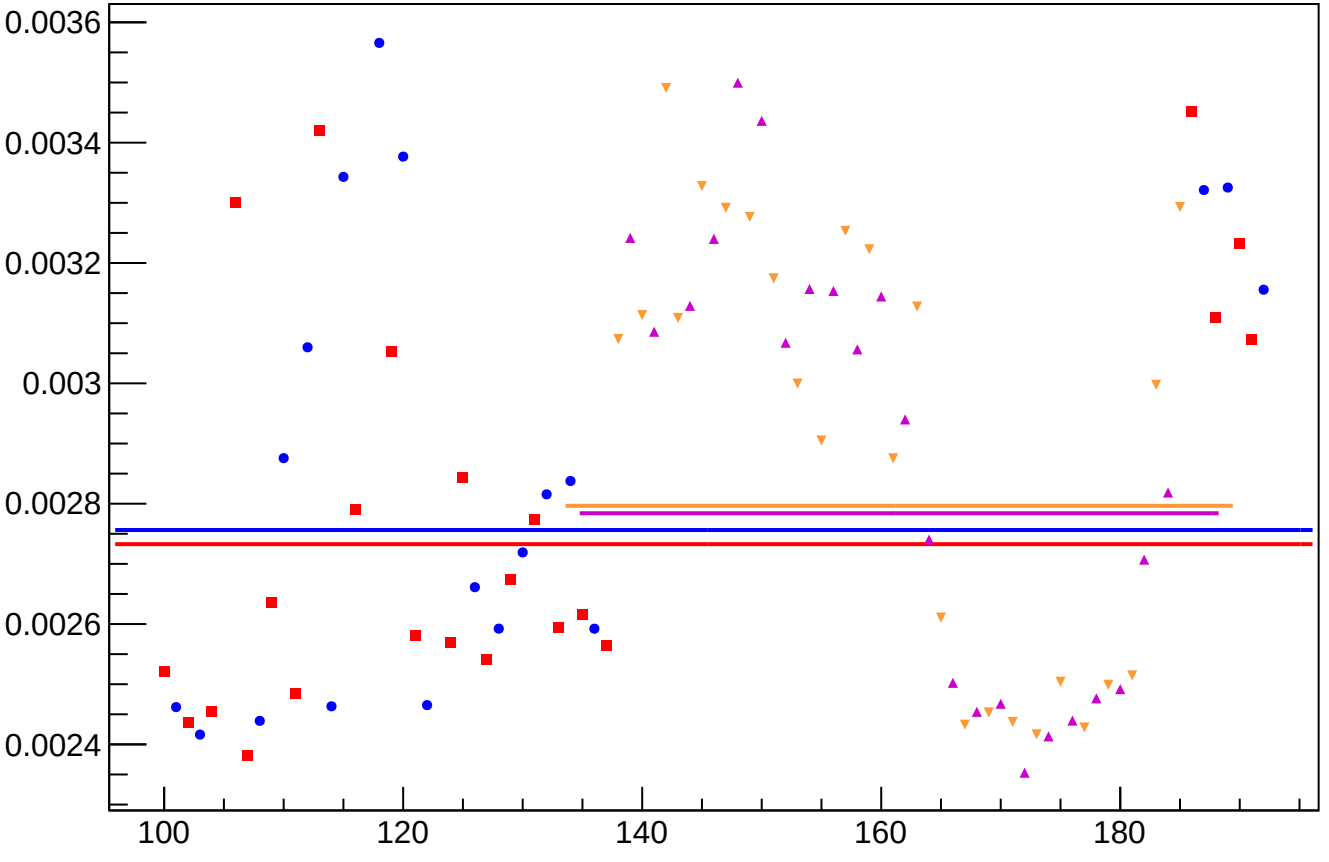
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.671+/-0.000 χ^2/NDF: 347360433882.8/43

All: -1.668+/-0.000 χ^2/NDF: 681779230702.4

- sign -1.664+/-0.000 χ^2/NDF: 334344520709.7/45

yield_bpm0l06Y_rms vs Slug



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

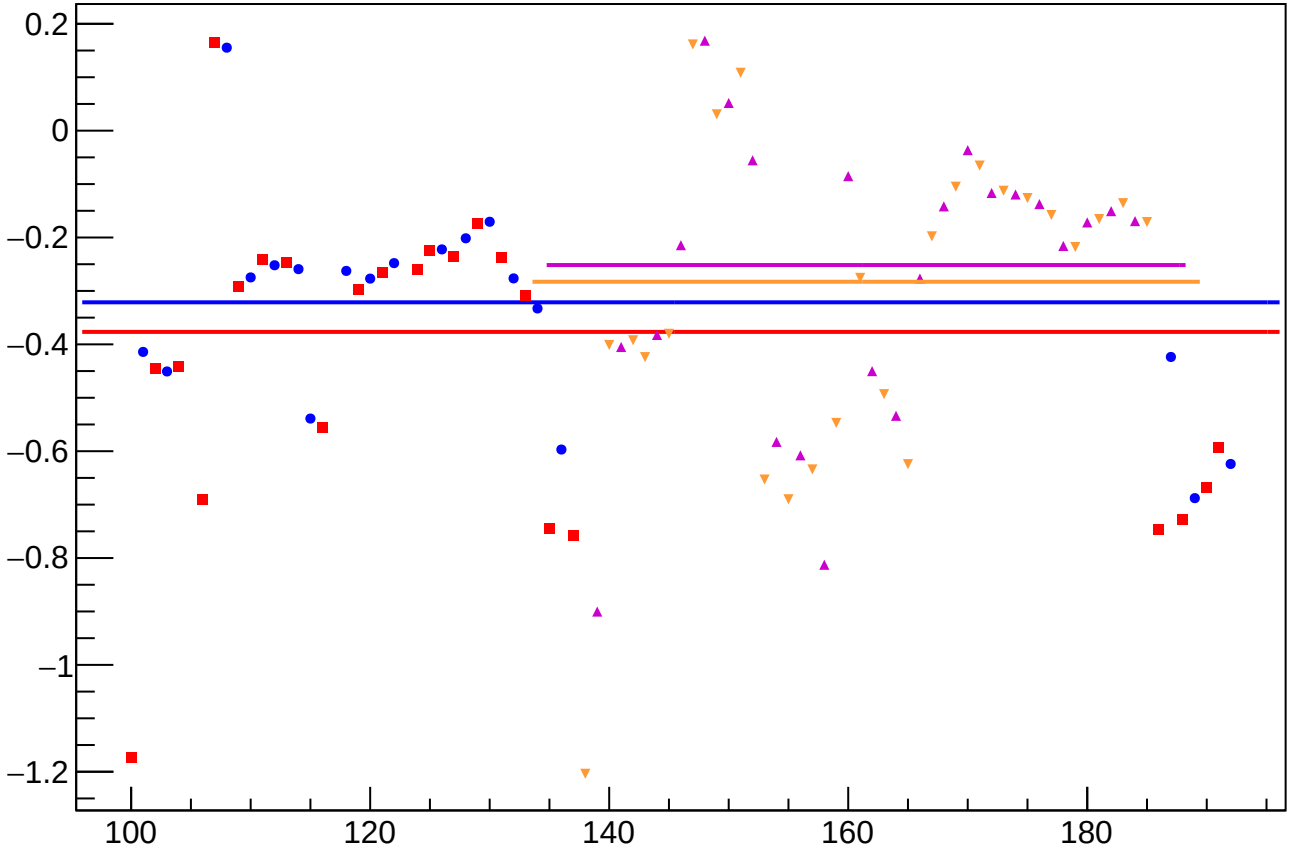
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 789652.4/43

All: 0.003+/-0.000 χ^2/NDF: 1566083.7/89

- sign 0.003+/-0.000 χ^2/NDF: 775411.3/45

yield_bpm0l07X_mean vs Slug



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

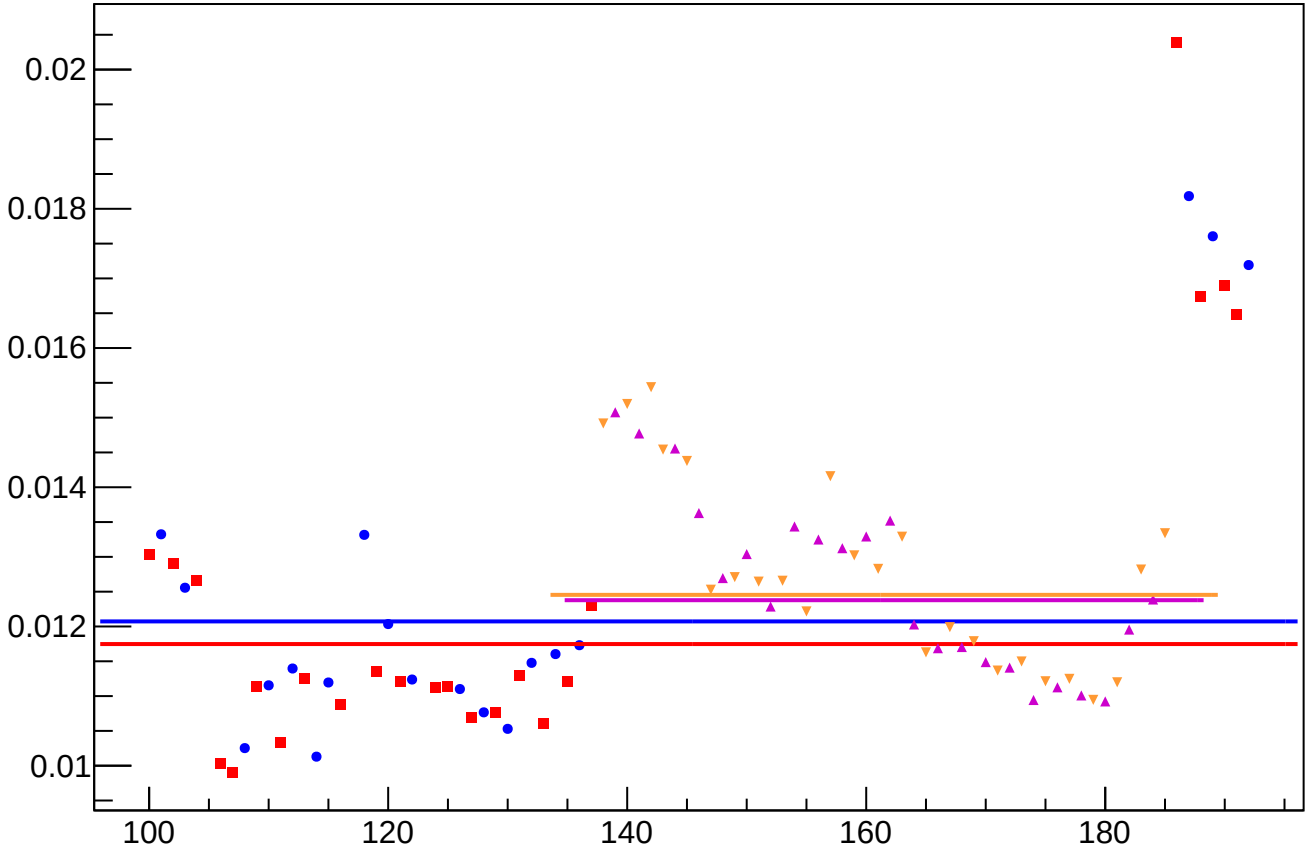
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.295+/-0.000 χ^2/NDF: 11624496125.4/43

All: -0.296+/-0.000 χ^2/NDF: 22794894554.5/

- sign -0.297+/-0.000 χ^2/NDF: 11170156954.2/45

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 427438.3/18

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

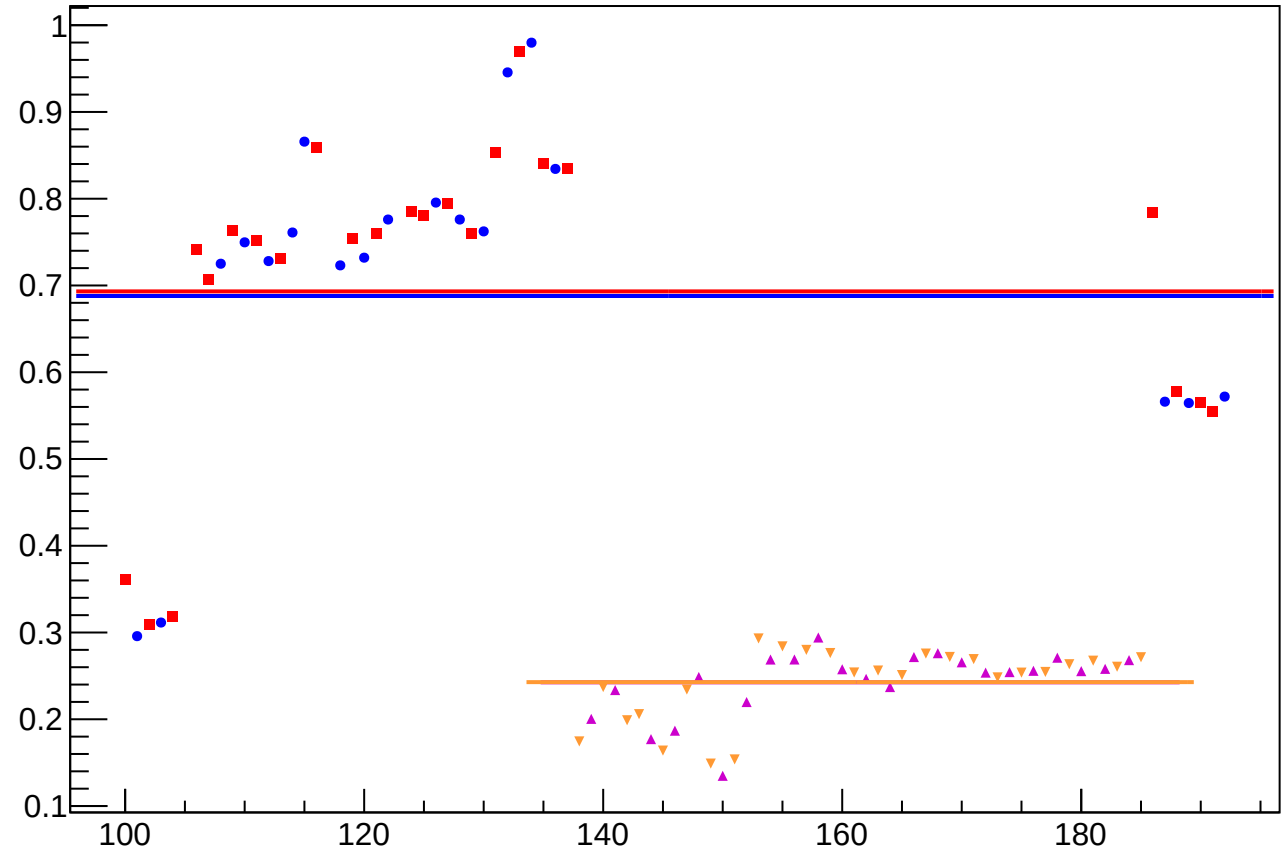
Right Out: 0.012+/-0.000 χ^2/NDF: 515636.5/22

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 780114.4/43

All: 0.012+/-0.000 χ^2/NDF: 1661093.1/89

- sign 0.012+/-0.000 χ^2/NDF: 875206.3/45



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

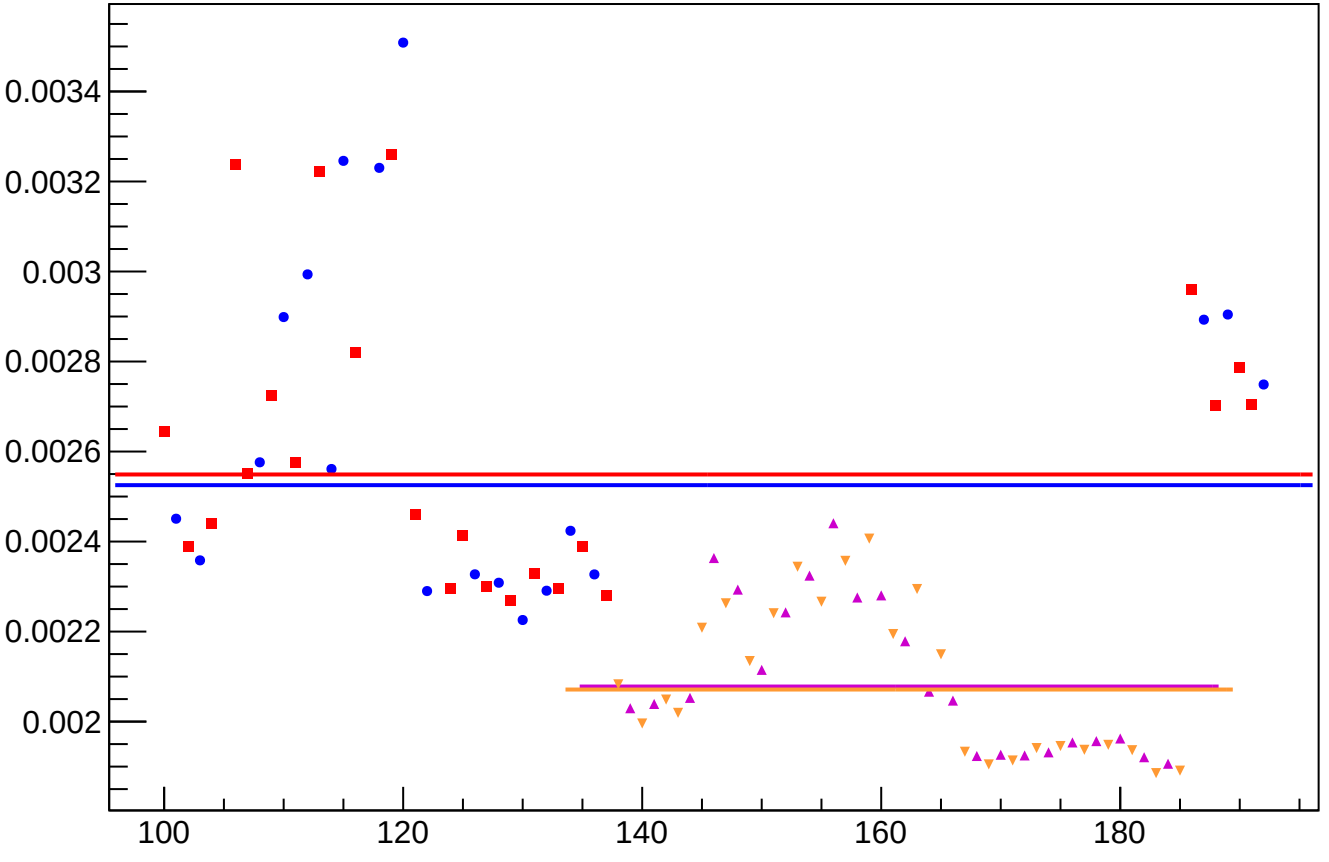
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.345+/-0.000 χ^2/NDF: 261293002524.7/43

All: 0.349+/-0.000 χ^2/NDF: 525388022269.4

- sign 0.354+/-0.000 χ^2/NDF: 263853131195.1/45

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 249356.0/18

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

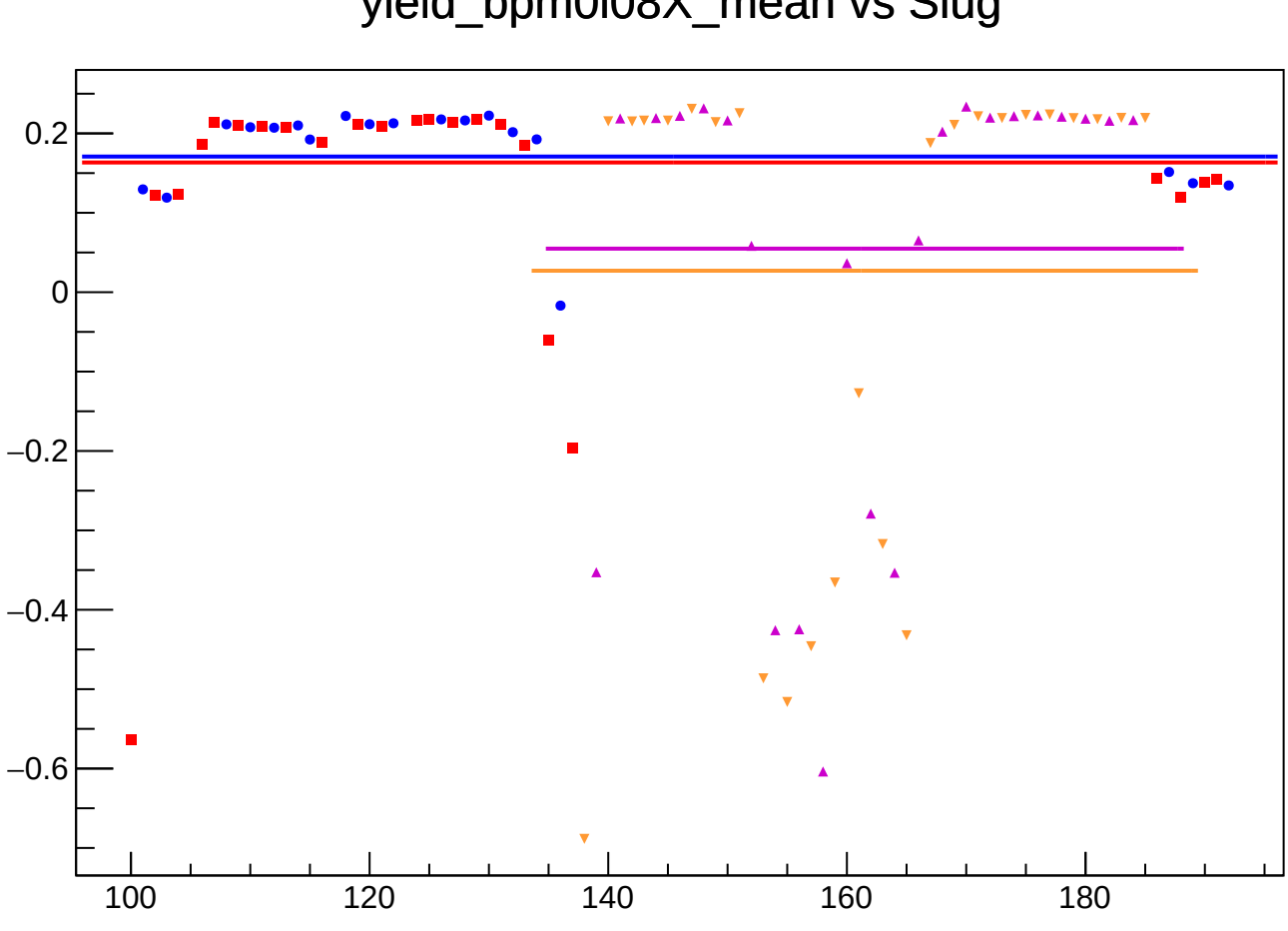
Right Out: 0.003+/-0.000 χ^2/NDF: 210286.1/22

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 903002.5/43

All: 0.002+/-0.000 χ^2/NDF: 1786336.3/89

- sign 0.002+/-0.000 χ^2/NDF: 881260.2/45



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

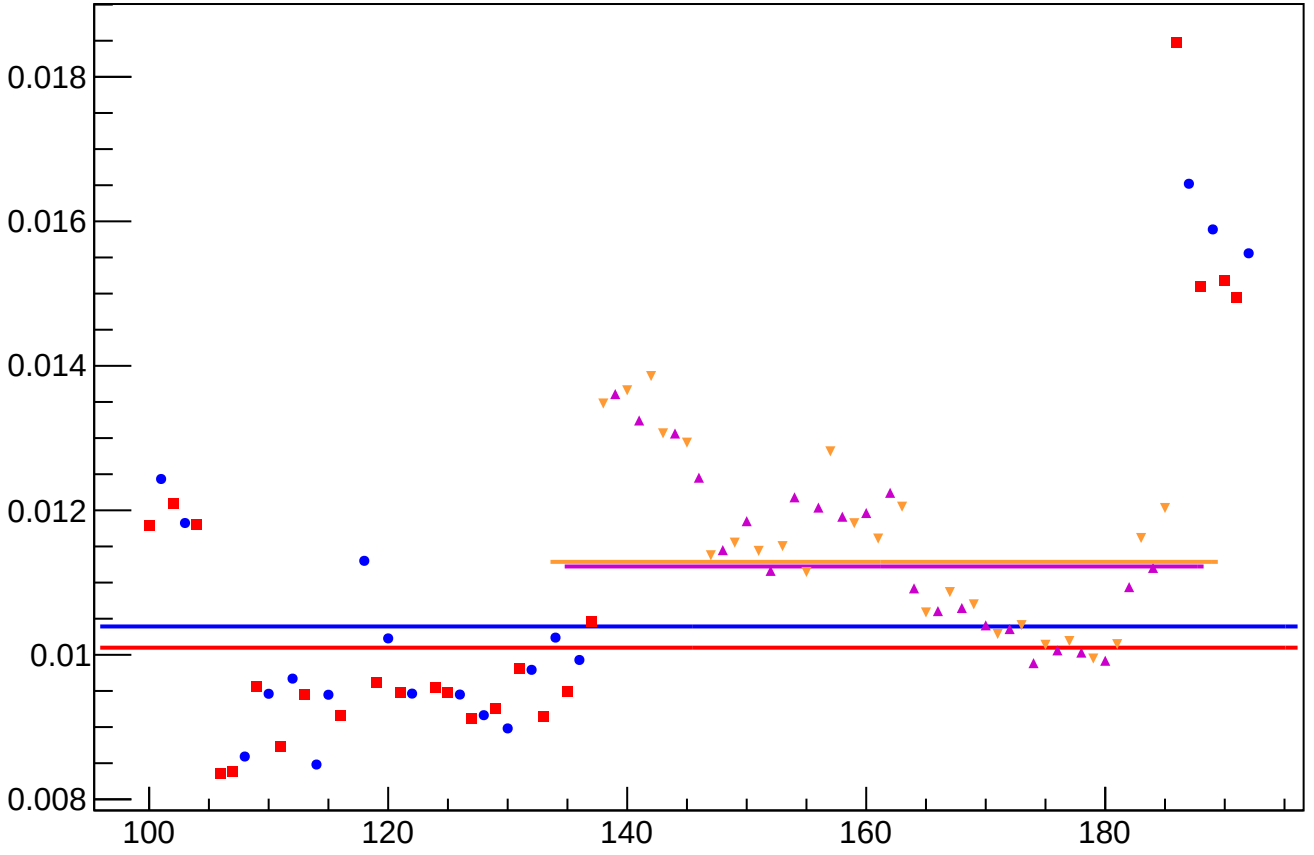
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.077+/-0.000 χ^2/NDF: 14420542935.7/43

All: 0.087+/-0.000 χ^2/NDF: 25698369772.8/8

- sign 0.097+/-0.000 χ^2/NDF: 11235132773.5/45

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 566921.0/18

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

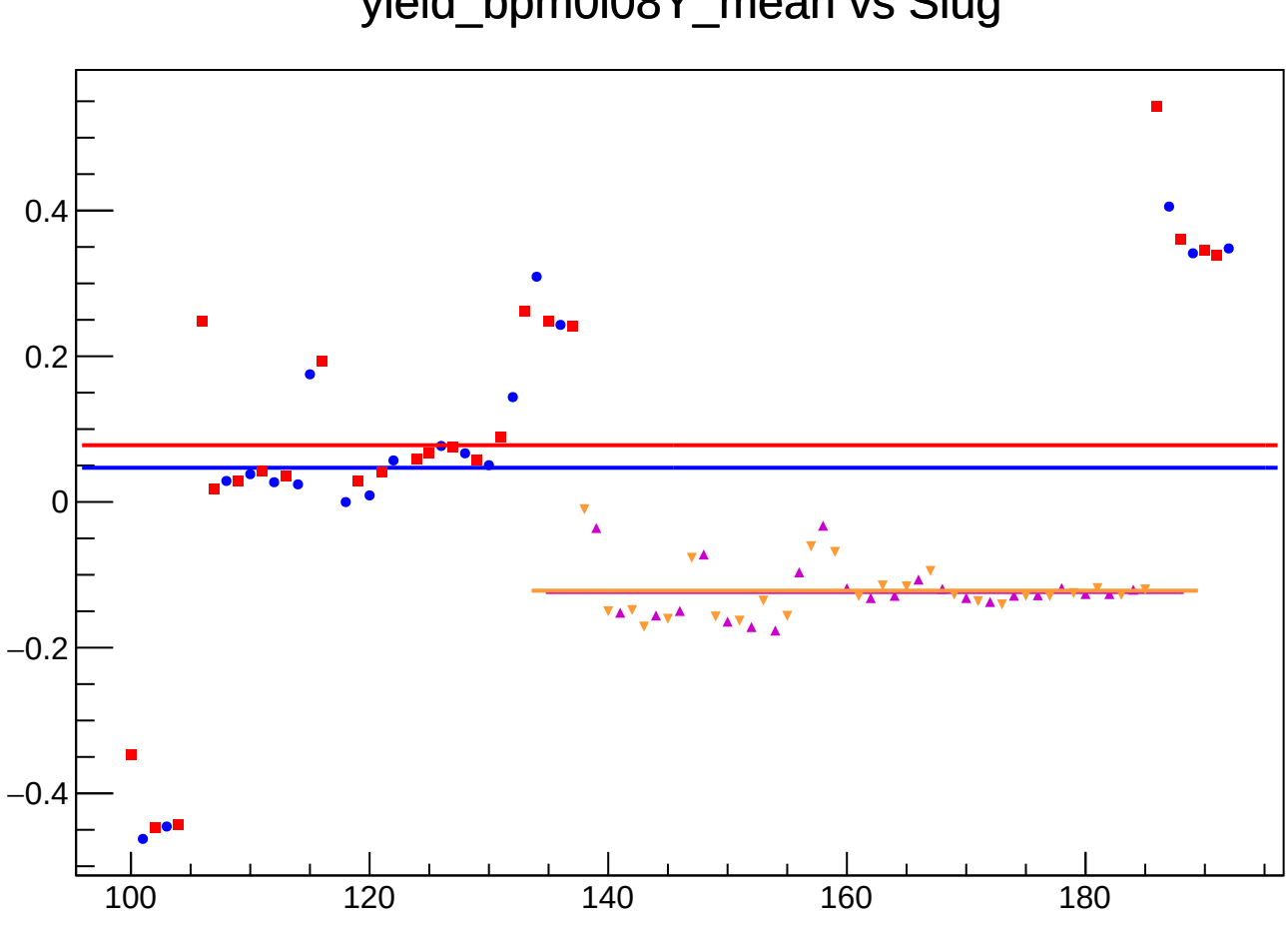
Right Out: 0.010+/-0.000 χ^2/NDF: 668746.2/22

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 975204.6/43

All: 0.011+/-0.000 χ^2/NDF: 2101161.5/89

- sign 0.011+/-0.000 χ^2/NDF: 1118238.1/45



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

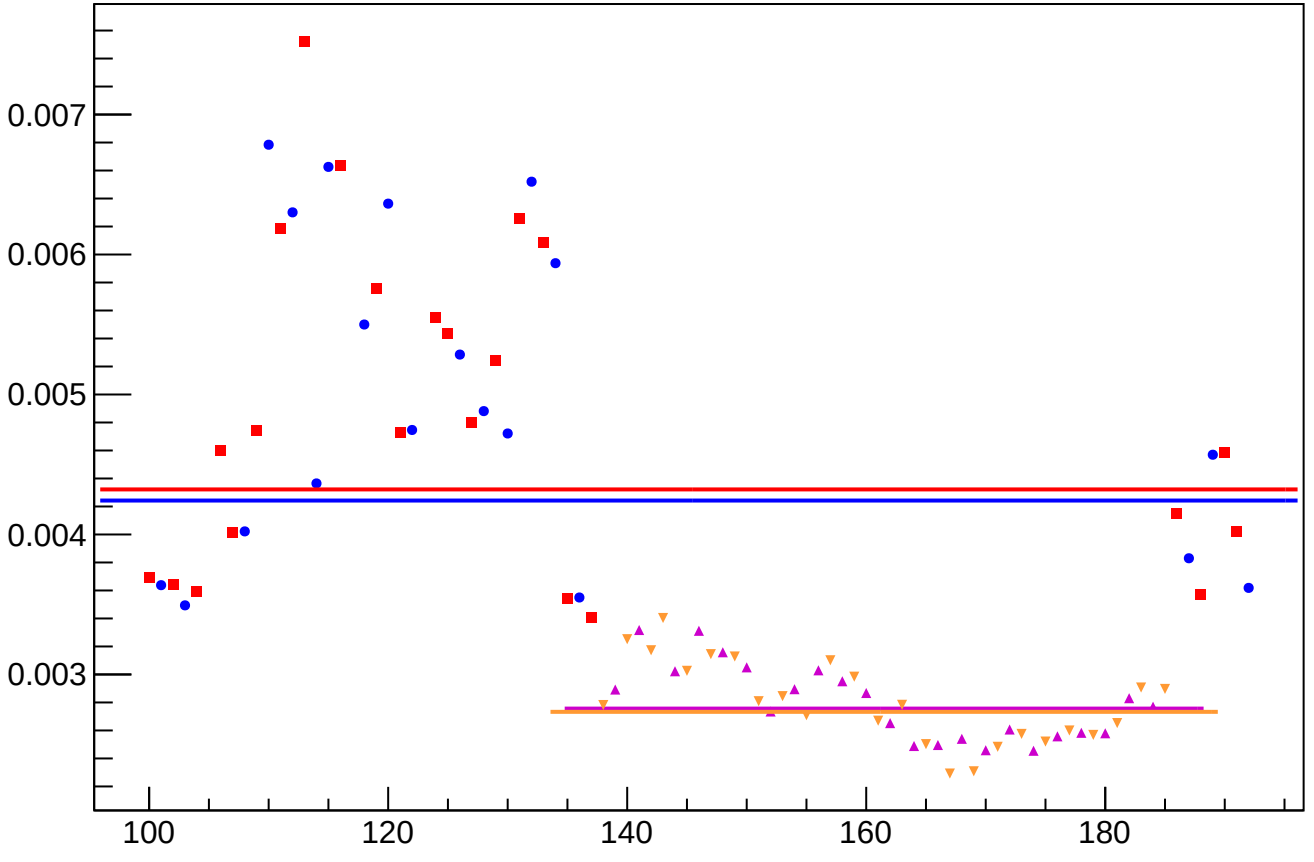
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.097+/-0.000 χ^2/NDF: 50675011408.8/43

All: -0.094+/-0.000 χ^2/NDF: 107872196819.5

- sign -0.091+/-0.000 χ^2/NDF: 57153216042.5/45

yield_bpm0l08Y_rms vs Slug



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

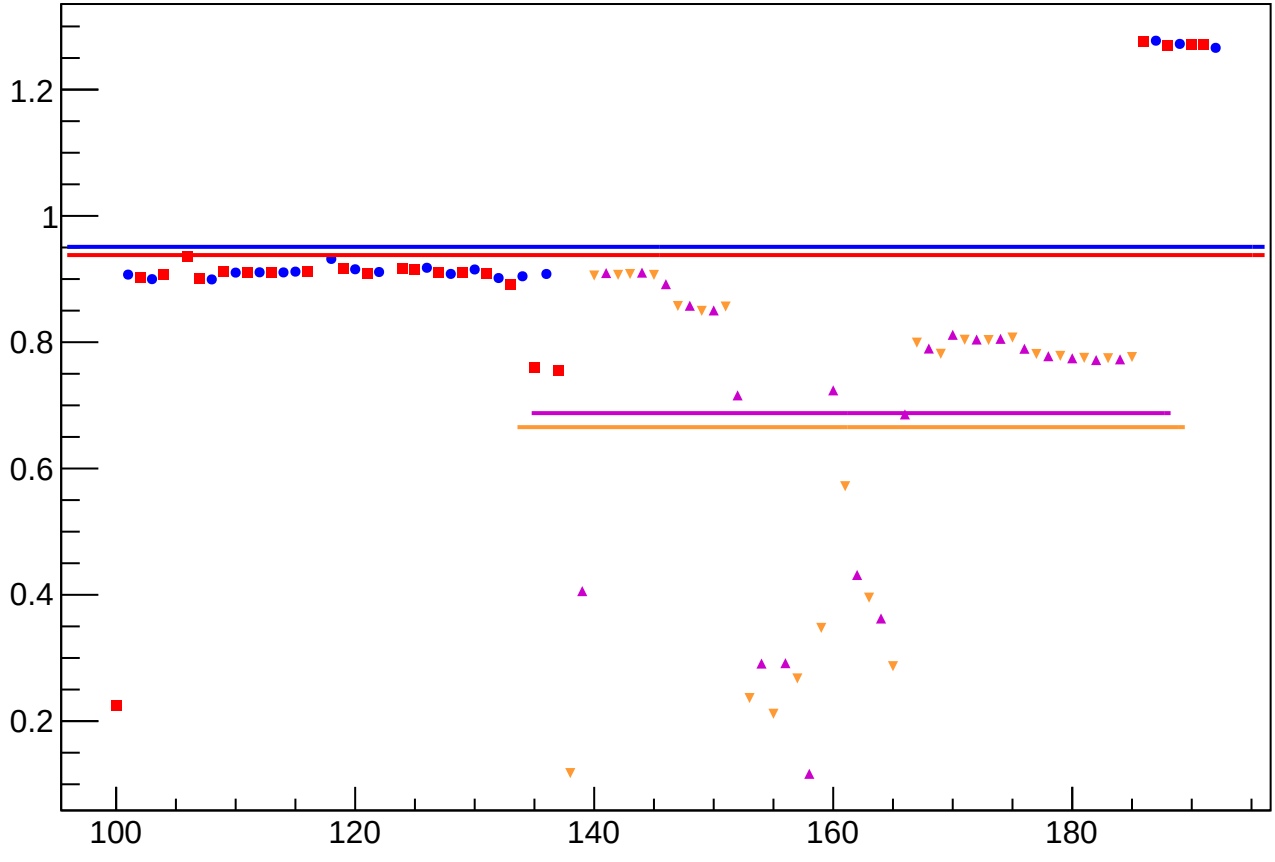
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 2783188.9/43

All: 0.003+/-0.000 χ^2/NDF: 5701005.8/89

- sign 0.003+/-0.000 χ^2/NDF: 2910201.0/45

yield_bpm0l09X_mean vs Slug



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

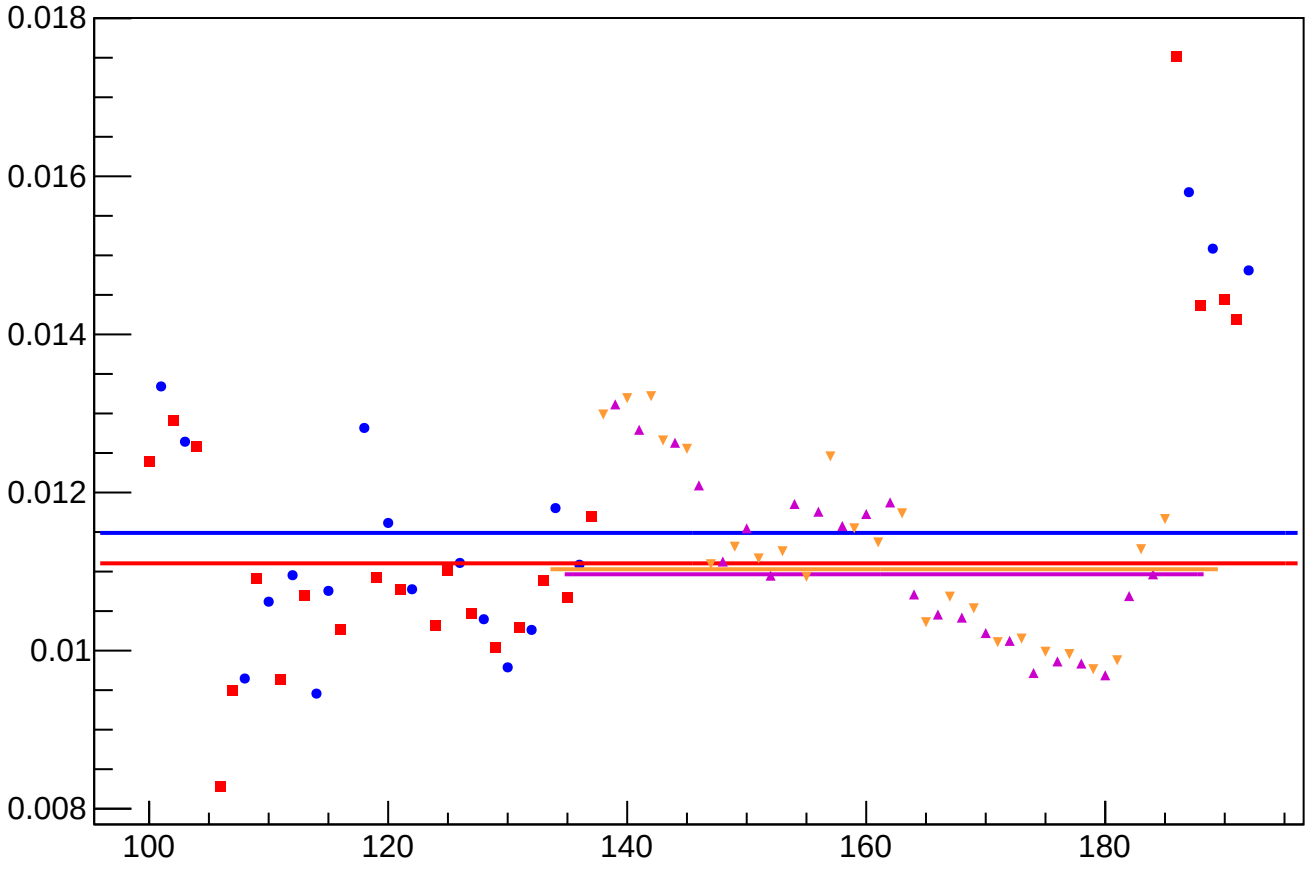
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.750+/-0.000 χ^2/NDF: 13710029437.2/43

All: 0.761+/-0.000 χ^2/NDF: 25204690598.6/8

- sign 0.771+/-0.000 χ^2/NDF: 11446462567.3/45

yield_bpm0l09X_rms vs Slug



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

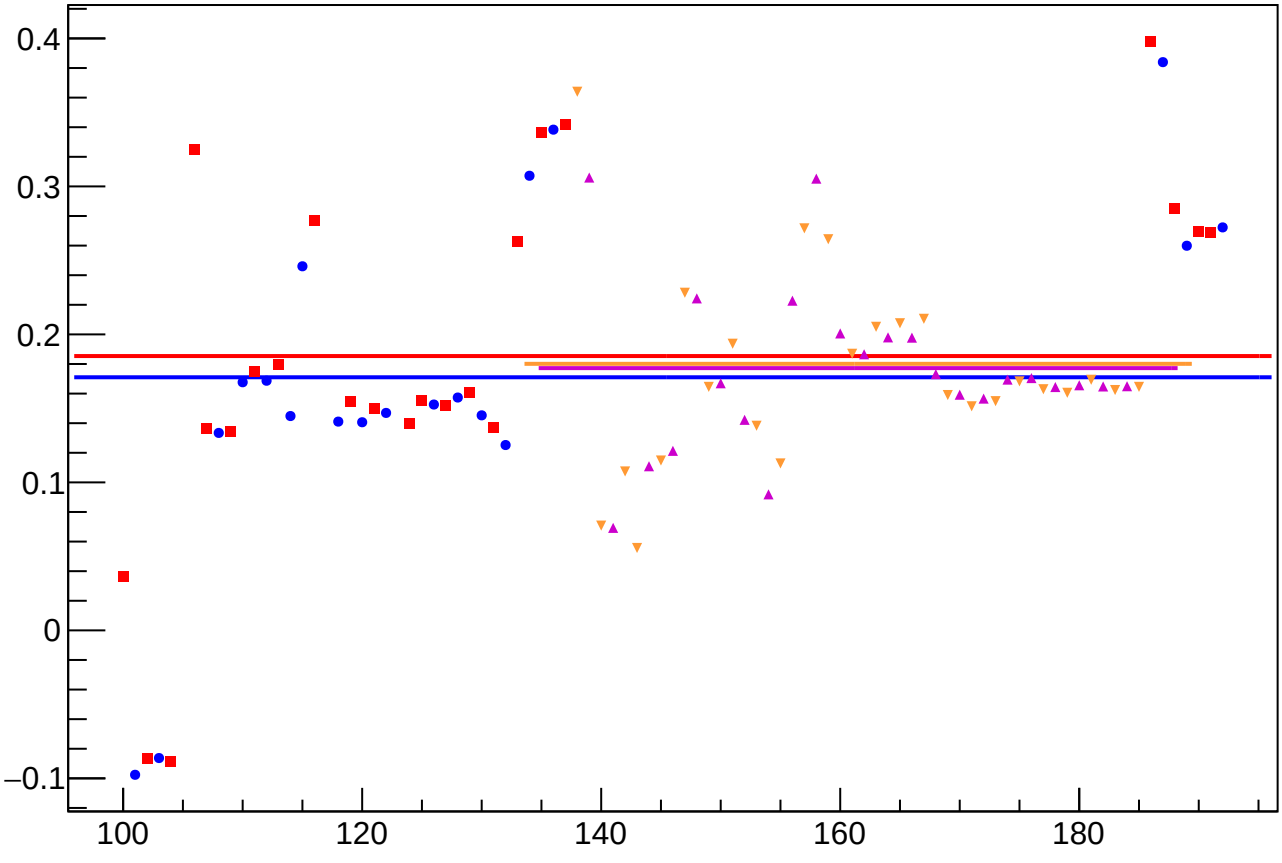
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 652578.1/43

All: 0.011+/-0.000 χ^2/NDF: 1378555.4/89

- sign 0.011+/-0.000 χ^2/NDF: 720859.0/45

yield_bpm0l09Y_mean vs Slug



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

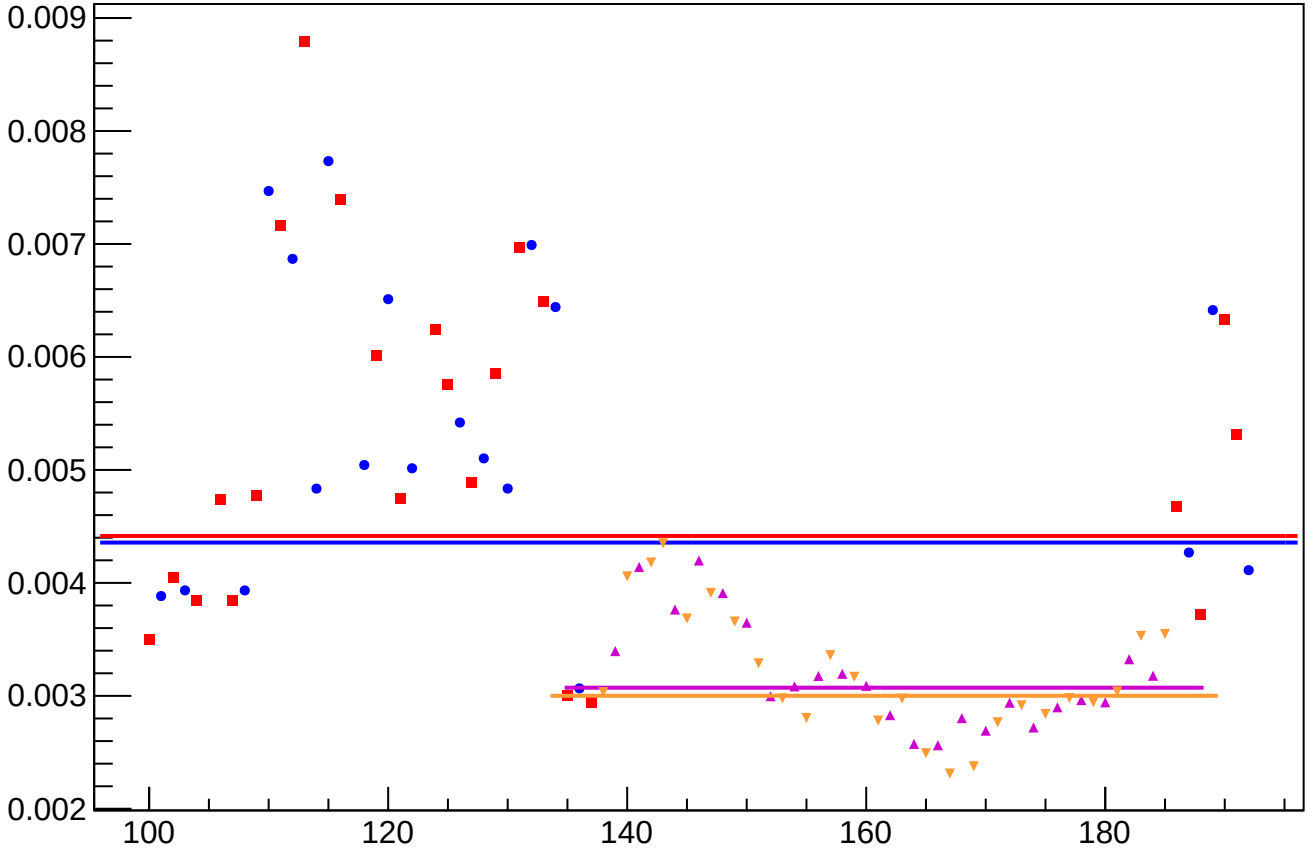
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.179+/-0.000 χ^2/NDF: 15596638746.0/43

All: 0.179+/-0.000 χ^2/NDF: 29251970204.6/8

- sign 0.179+/-0.000 χ^2/NDF: 13655328441.4/45

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 989278.8/18

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

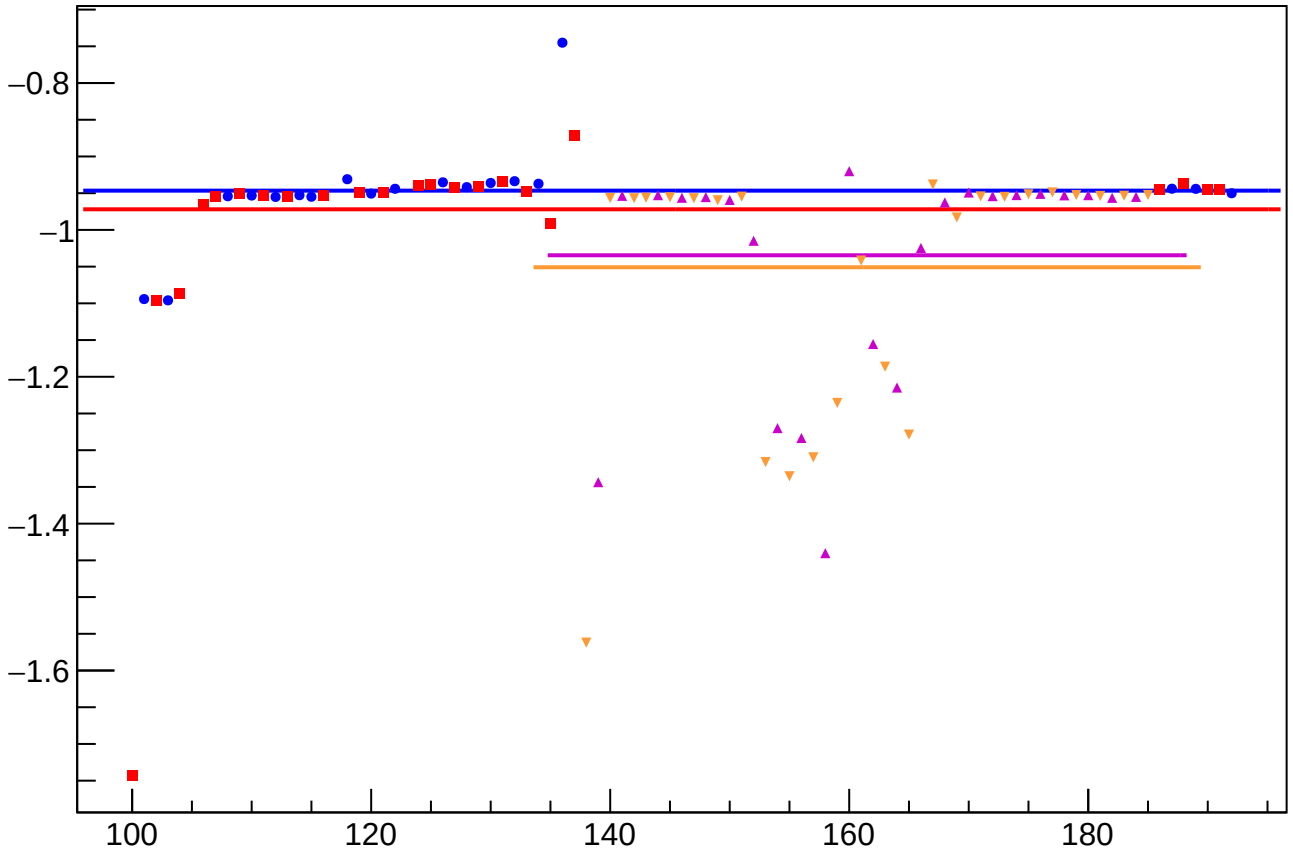
Right Out: 0.004+/-0.000 χ^2/NDF: 1218574.7/22

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 3052466.0/43

All: 0.003+/-0.000 χ^2/NDF: 6034648.7/89

- sign 0.003+/-0.000 χ^2/NDF: 2962651.0/45



Right In: -0.947+/-0.000 χ^2/NDF: 404606864.6/18

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

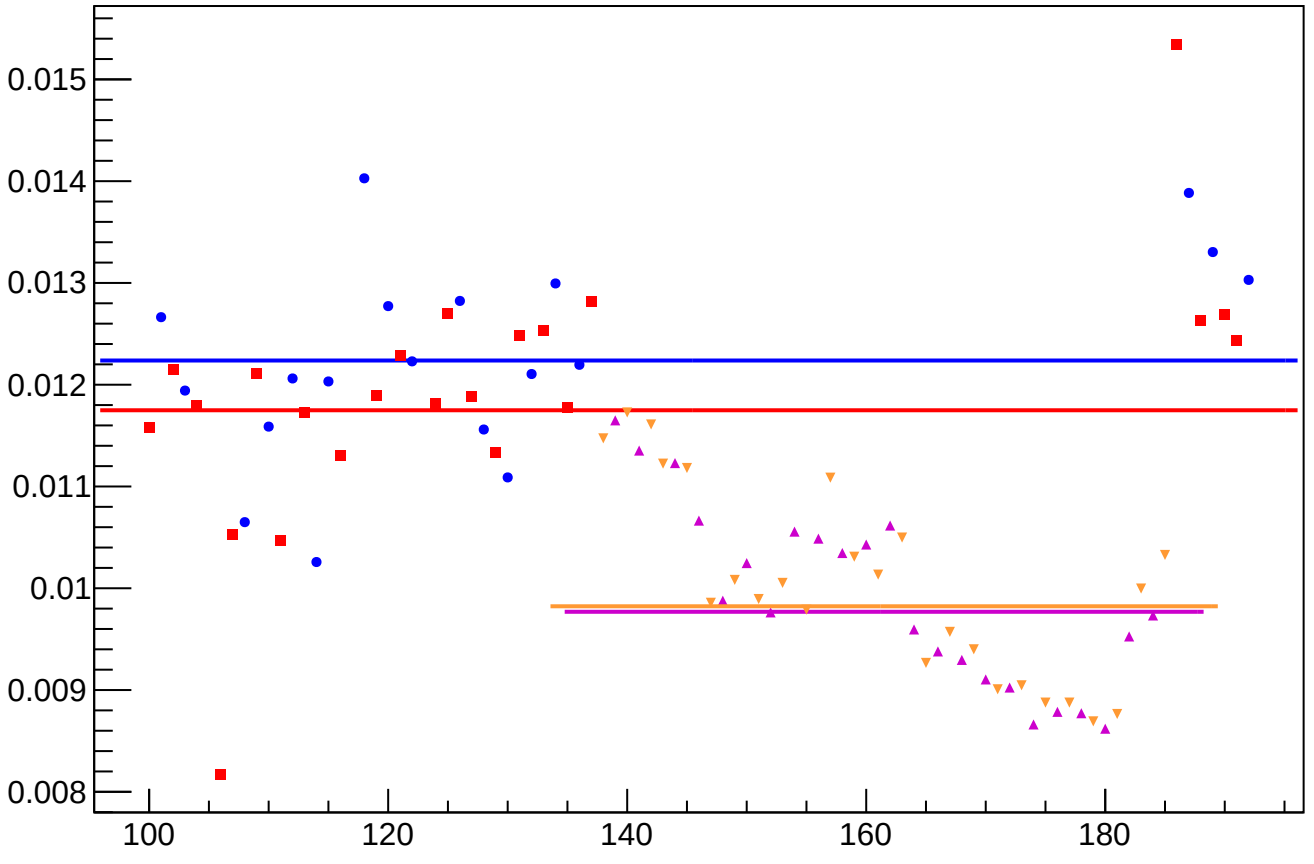
Right Out: -0.972+/-0.000 χ^2/NDF: 474726814.5/22

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.027+/-0.000 χ^2/NDF: 5963472190.1/43

All: -1.023+/-0.000 χ^2/NDF: 10562803617.4/

- sign -1.018+/-0.000 χ^2/NDF: 4589458687.8/45



Right In: 0.012+/-0.000 χ^2/NDF: 84409.8/18

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

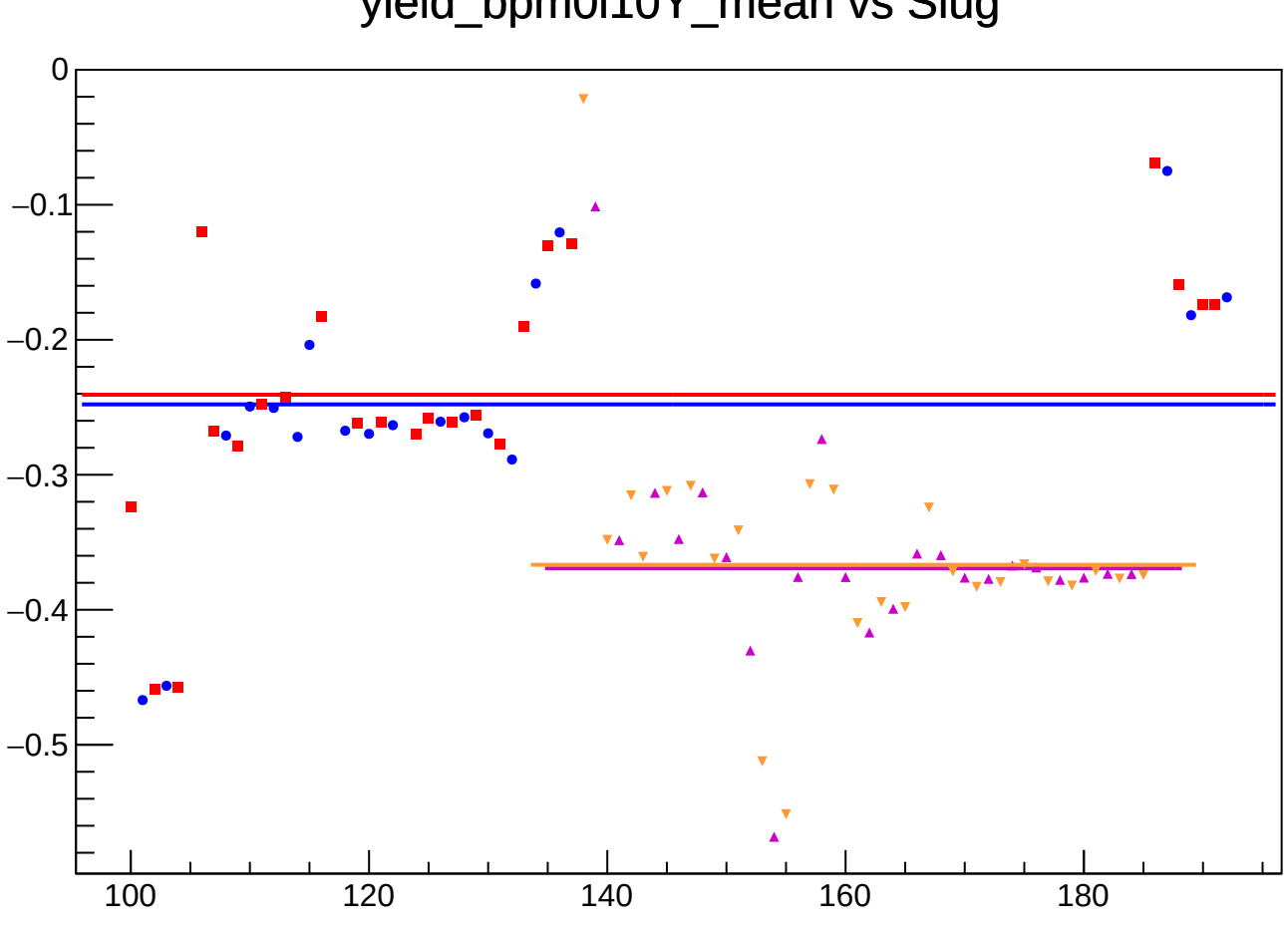
Right Out: 0.012+/-0.000 χ^2/NDF: 213446.7/22

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 889177.5/43

All: 0.010+/-0.000 χ^2/NDF: 1764442.3/89

- sign 0.010+/-0.000 χ^2/NDF: 873407.8/45



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

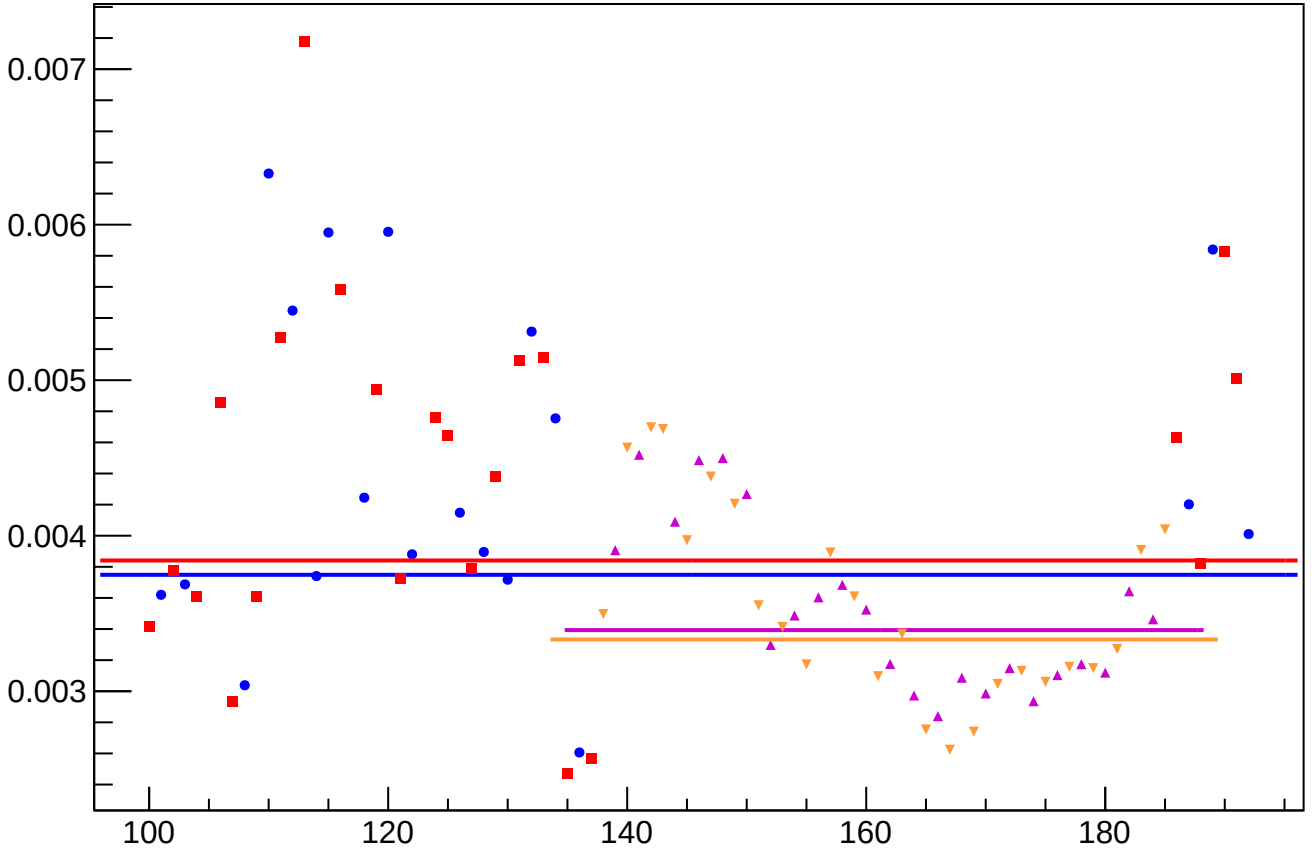
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.337+/-0.000 χ^2/NDF: 24334783160.5/43

All: -0.336+/-0.000 χ^2/NDF: 44732177960.8/

- sign -0.335+/-0.000 χ^2/NDF: 20391262052.1/45

yield_bpm0l10Y_rms vs Slug



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

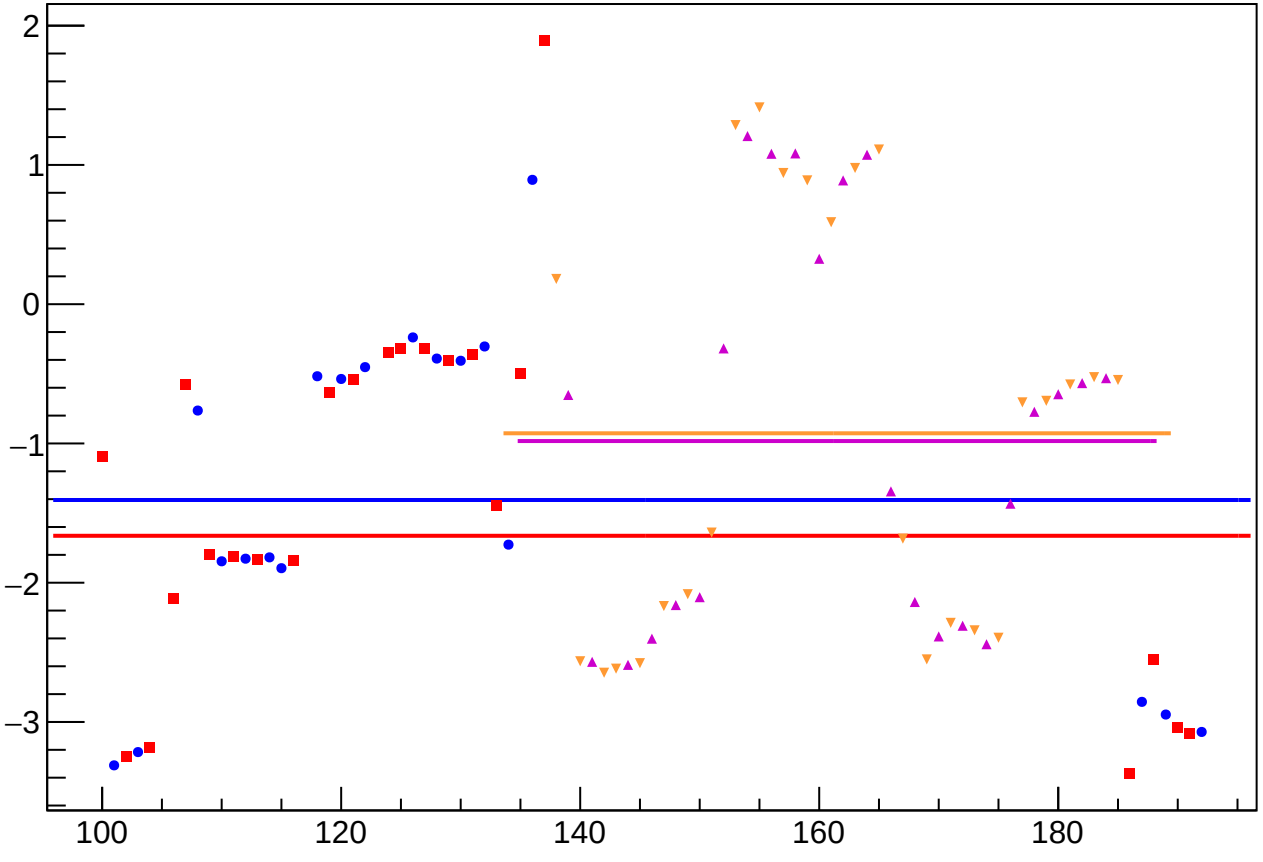
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1872043.2/43

All: 0.003+/-0.000 χ^2/NDF: 3695719.3/89

- sign 0.004+/-0.000 χ^2/NDF: 1811448.7/45

yield_bpm0r03X_mean vs Slug



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

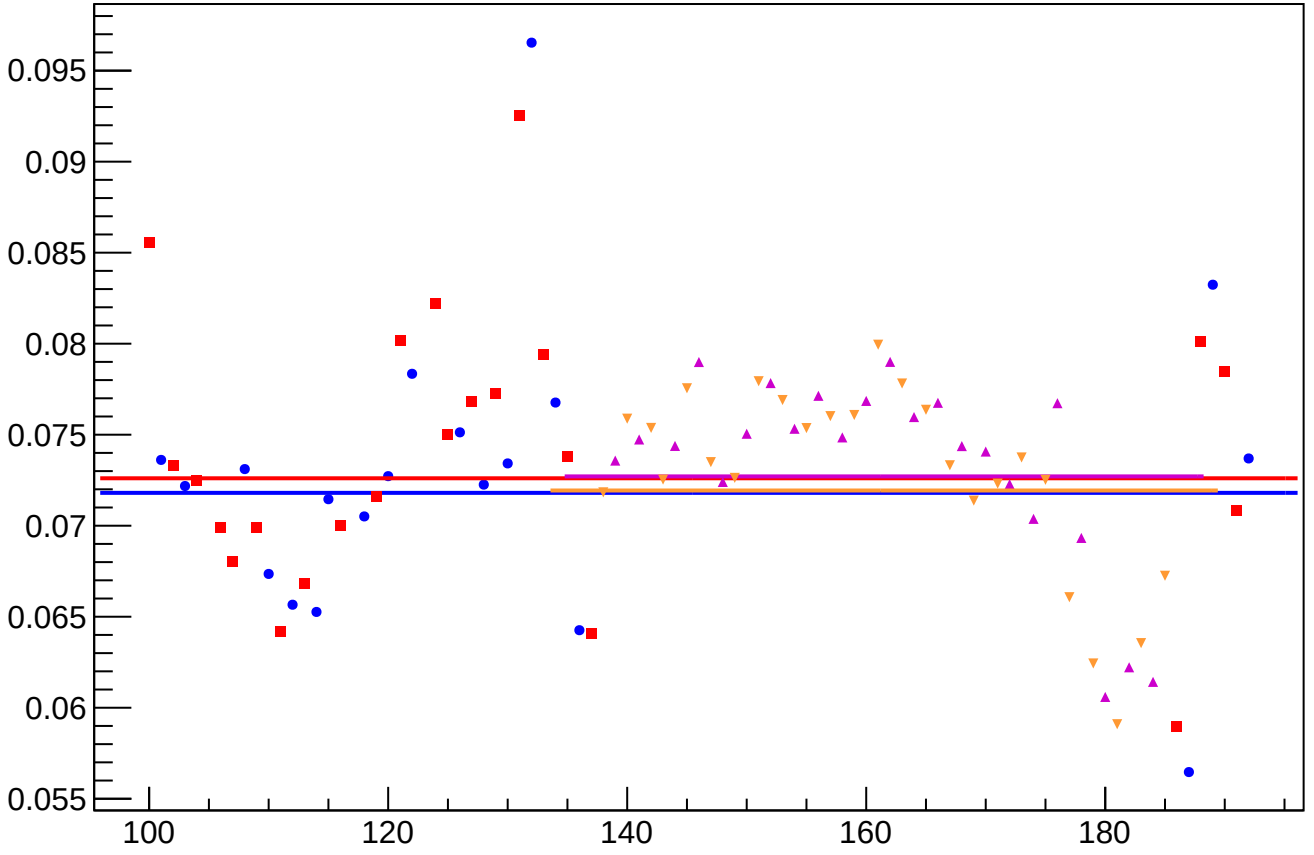
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.077+/-0.000 χ^2/NDF: 10819810631.1/43

All: -1.144+/-0.000 χ^2/NDF: 19985678501.2/

- sign -1.213+/-0.000 χ^2/NDF: 9117412559.0/45

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF: 148005.5/18

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

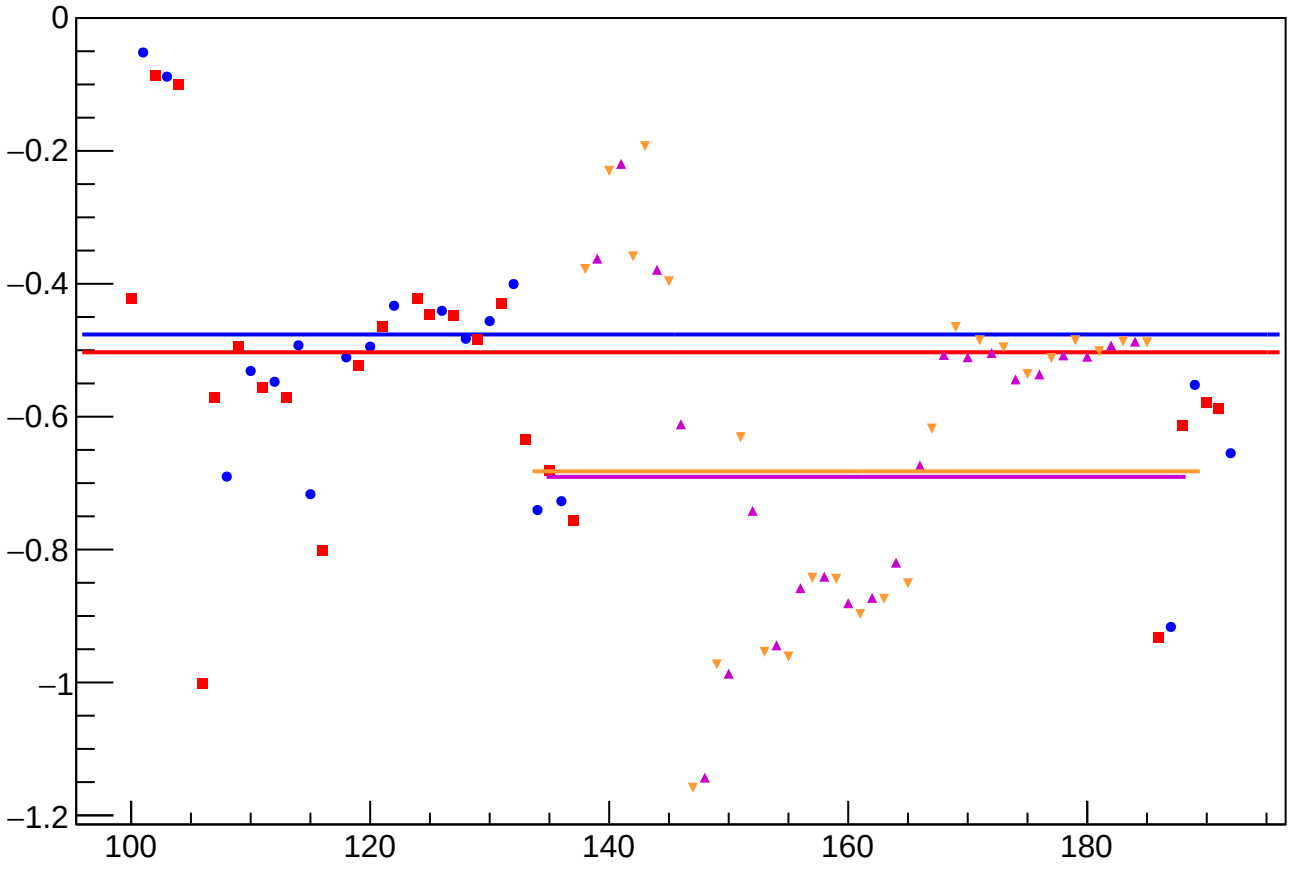
Right Out: 0.073+/-0.000 χ^2/NDF: 160295.2/22

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.072+/-0.000 χ^2/NDF: 383578.6/43

All: 0.072+/-0.000 χ^2/NDF: 744092.2/89

- sign 0.073+/-0.000 χ^2/NDF: 357329.1/45



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

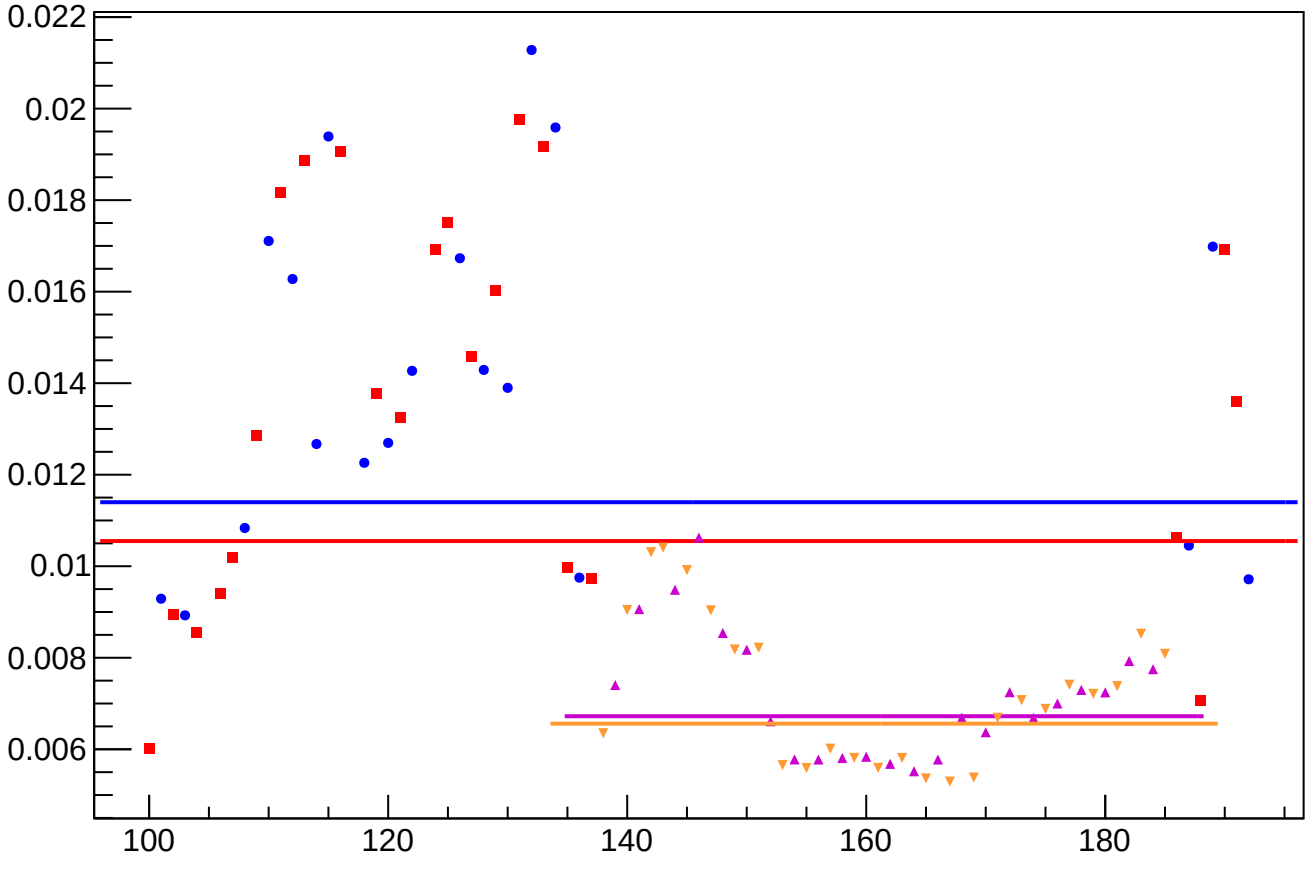
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.657+/-0.000 χ^2/NDF: 27799437163.4/43

All: -0.659+/-0.000 χ^2/NDF: 50877262907.1/

- sign -0.662+/-0.000 χ^2/NDF: 23071764173.4/45

yield_bpm0r03Y_rms vs Slug



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

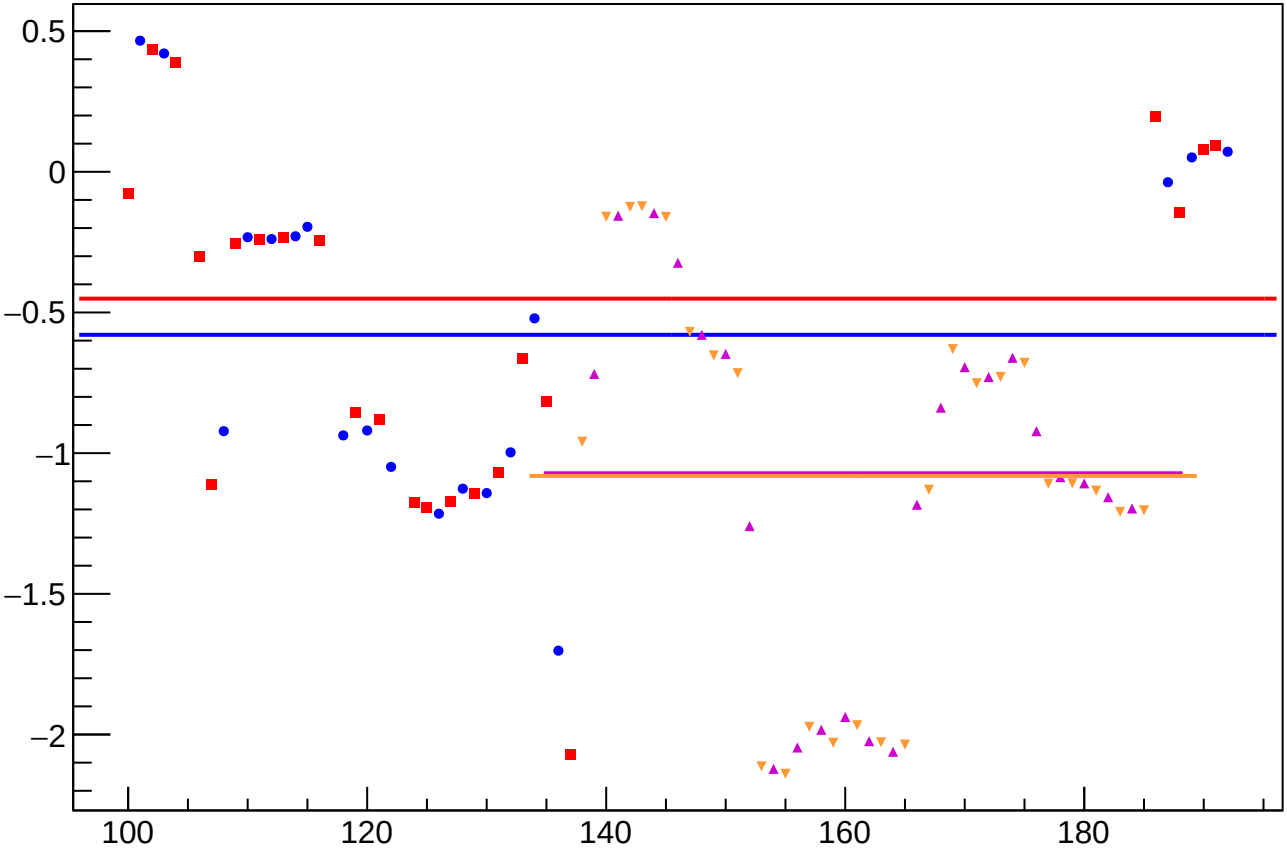
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

\+ sign 0.007+/-0.000 χ^2/NDF: 4720701.0/43

All: 0.007+/-0.000 χ^2/NDF: 9076818.1/89

\- sign 0.007+/-0.000 χ^2/NDF: 4346231.5/45

yield_bpm0r05X_mean vs Slug



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

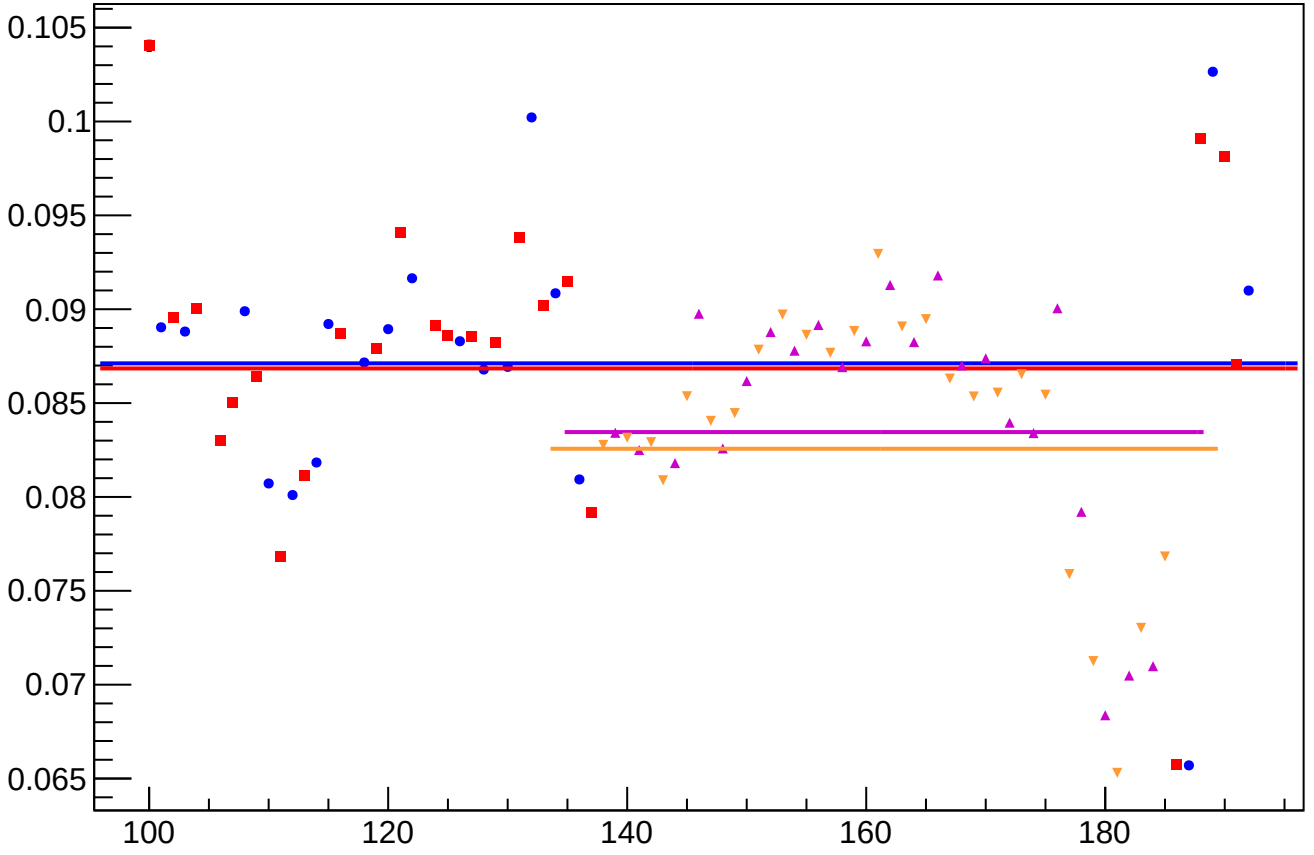
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.934+/-0.000 χ^2/NDF: 1896517205.9/43

All: -0.903+/-0.000 χ^2/NDF: 3629959132.3/8

- sign -0.871+/-0.000 χ^2/NDF: 1725786207.3/45

yield_bpm0r05X_rms vs Slug



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

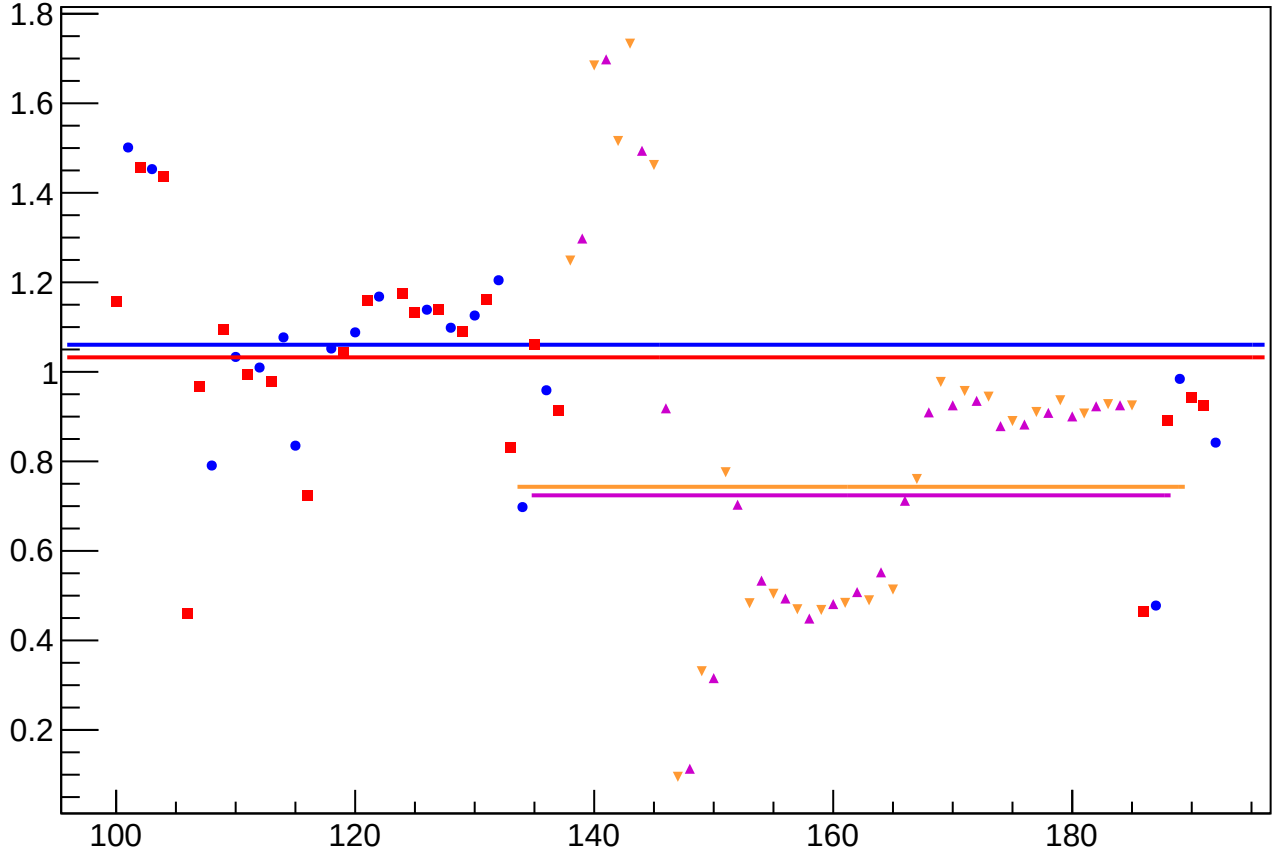
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.084+/-0.000 χ^2/NDF: 436155.5/43

All: 0.084+/-0.000 χ^2/NDF: 864154.4/89

- sign 0.085+/-0.000 χ^2/NDF: 426360.4/45

yield_bpm0r05Y_mean vs Slug



Right In: 1.061+/-0.000 χ^2/NDF: 2122233700.6/18

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

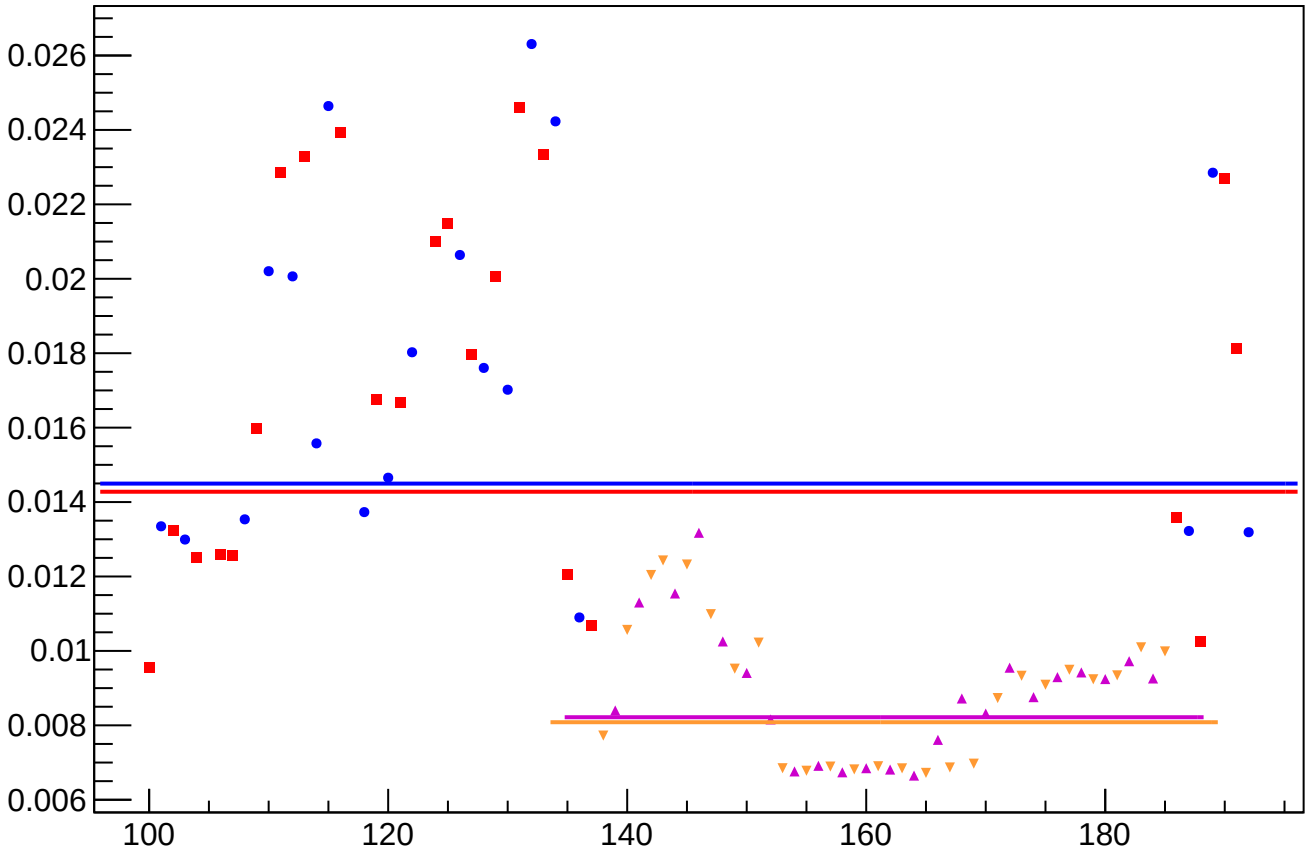
Right Out: 1.032+/-0.000 χ^2/NDF: 2547342068.2/22

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.780+/-0.000 χ^2/NDF: 37872856131.5/43

All: 0.773+/-0.000 χ^2/NDF: 69200517978.6/8

- sign 0.765+/-0.000 χ^2/NDF: 31292539575.8/45



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

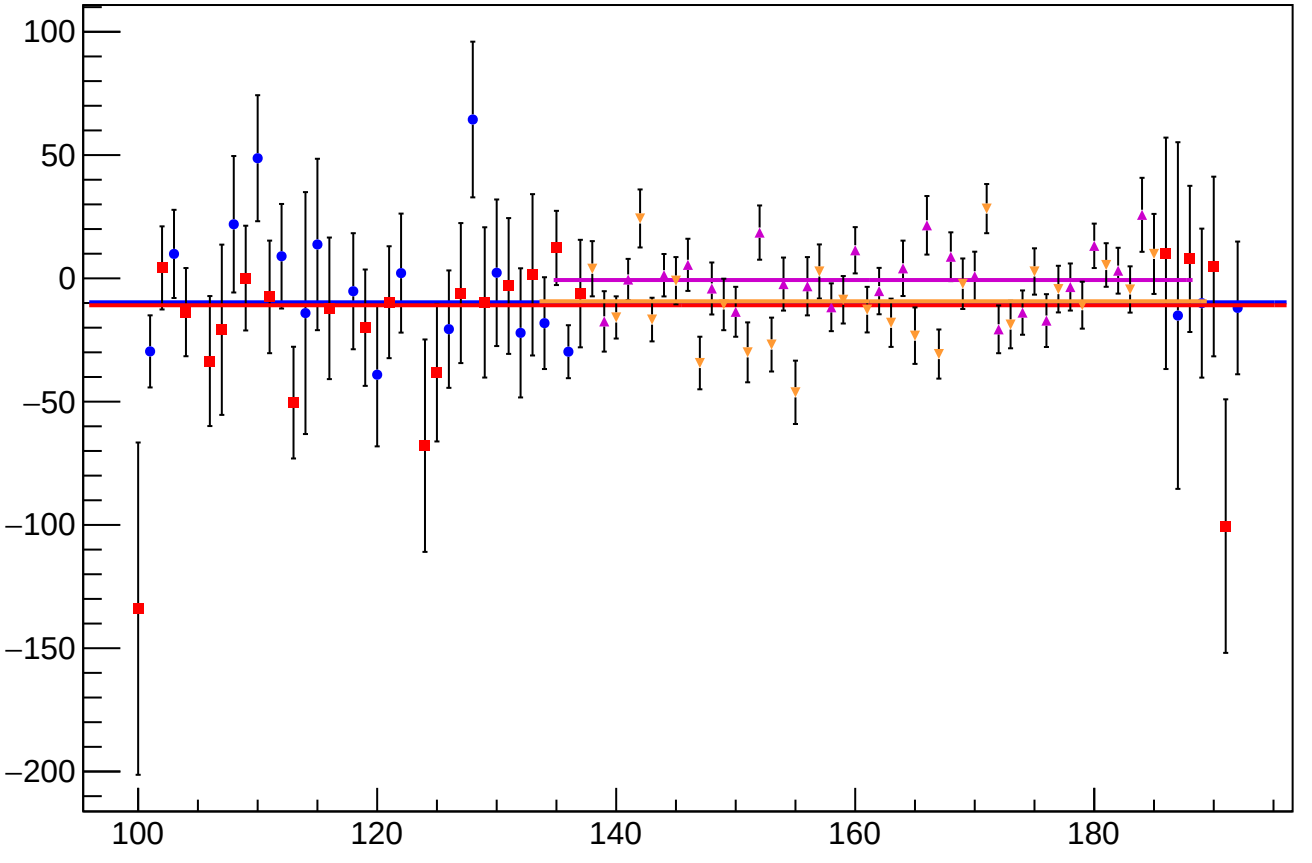
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

\+ sign 0.009+/-0.000 χ^2/NDF: 4859633.5/43

All: 0.009+/-0.000 χ^2/NDF: 9644367.5/89

\- sign 0.009+/-0.000 χ^2/NDF: 4774491.4/45

diff_bpm4aX_mean vs Slug



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

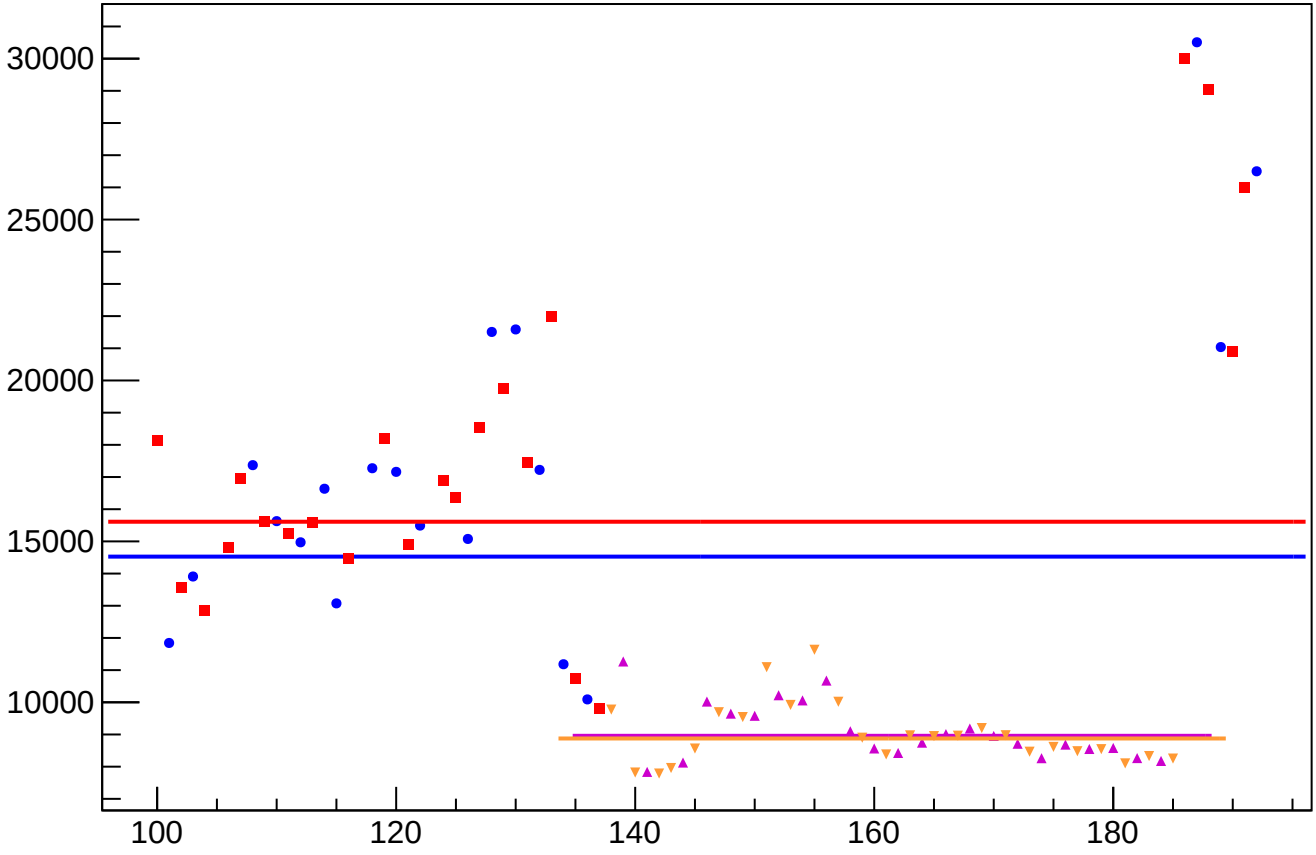
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.349+/-1.887 χ^2/NDF: 83.1/43

All: -5.842+/-1.358 χ^2/NDF: 140.6/89

- sign -2.077+/-1.955 χ^2/NDF: 50.3/45

diff_bpm4aX_rms vs Slug



Right In: 14526.790+/-3.608 χ^2/NDF: 1380209.5/18

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

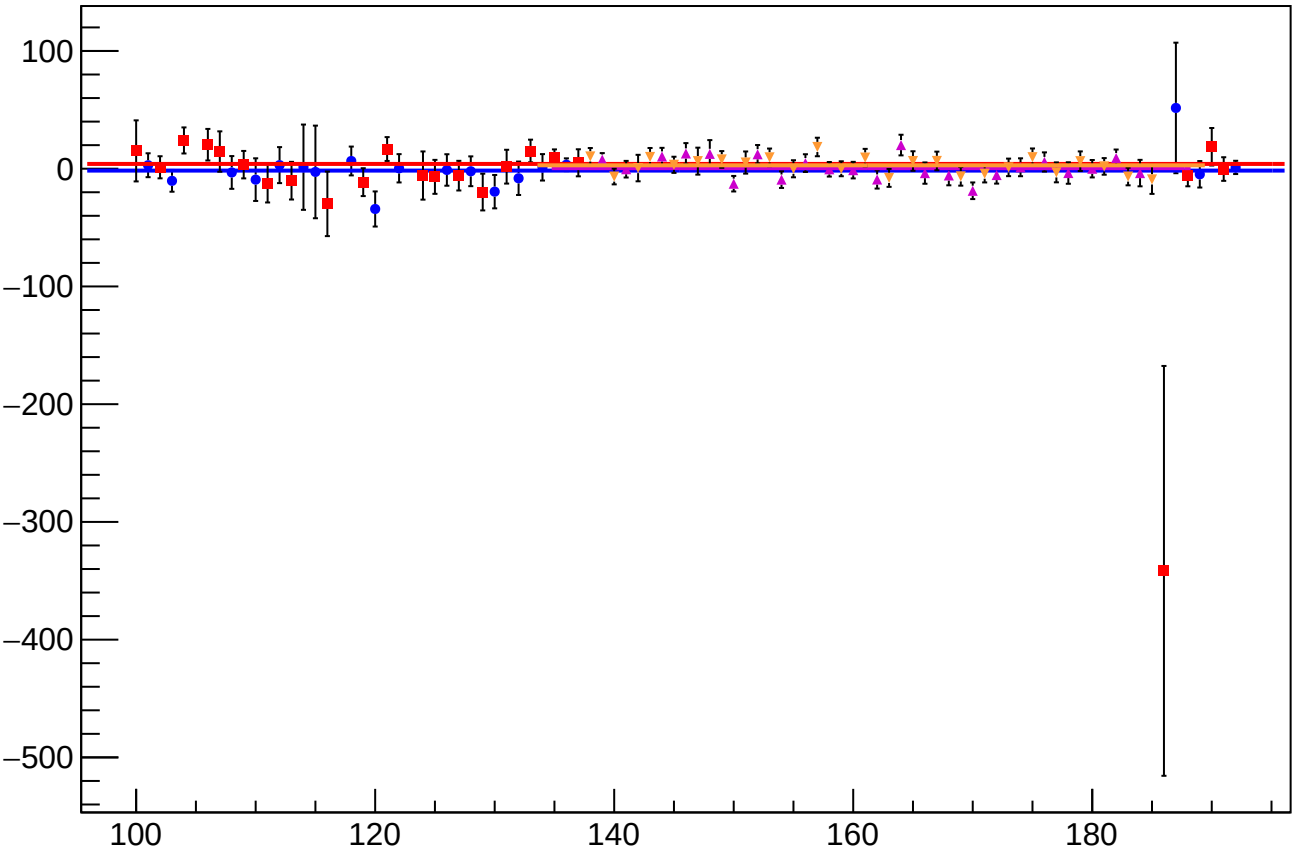
Right Out: 15610.798+/-3.736 χ^2/NDF: 1333107.3/22

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9648.154+/-1.334 χ^2/NDF: 3844755.3/43

All: 9754.736+/-0.960 χ^2/NDF: 8228729.6/89

- sign 9869.161+/-1.382 χ^2/NDF: 4370739.5/45



Right In: -1.604+/-2.525 χ^2/NDF: 10.6/18

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

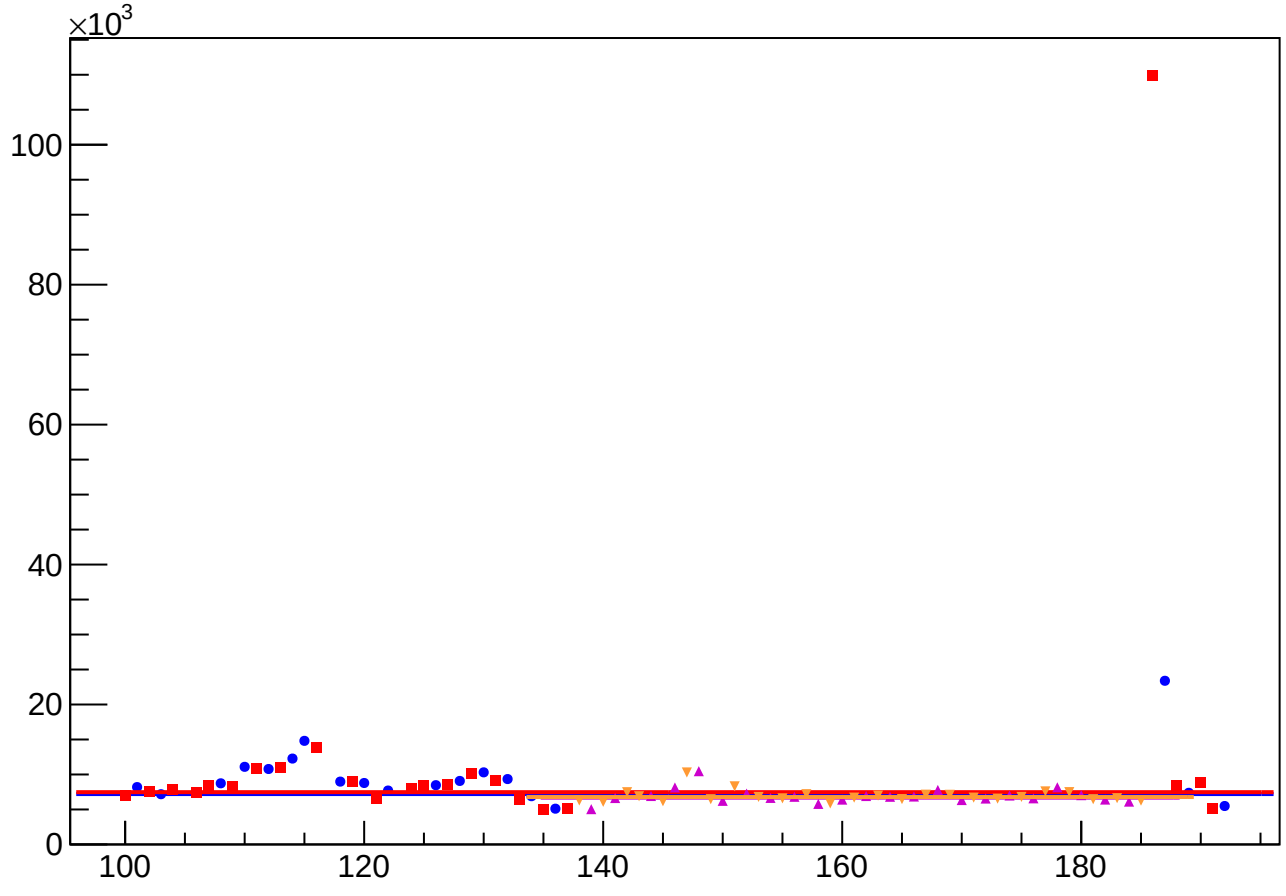
Right Out: 4.053+/-2.586 χ^2/NDF: 23.7/22

Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 1.647+/-1.323 χ^2/NDF: 32.3/43

All: 1.543+/-0.945 χ^2/NDF: 90.2/89

- sign 1.435+/-1.349 χ^2/NDF: 57.9/45



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

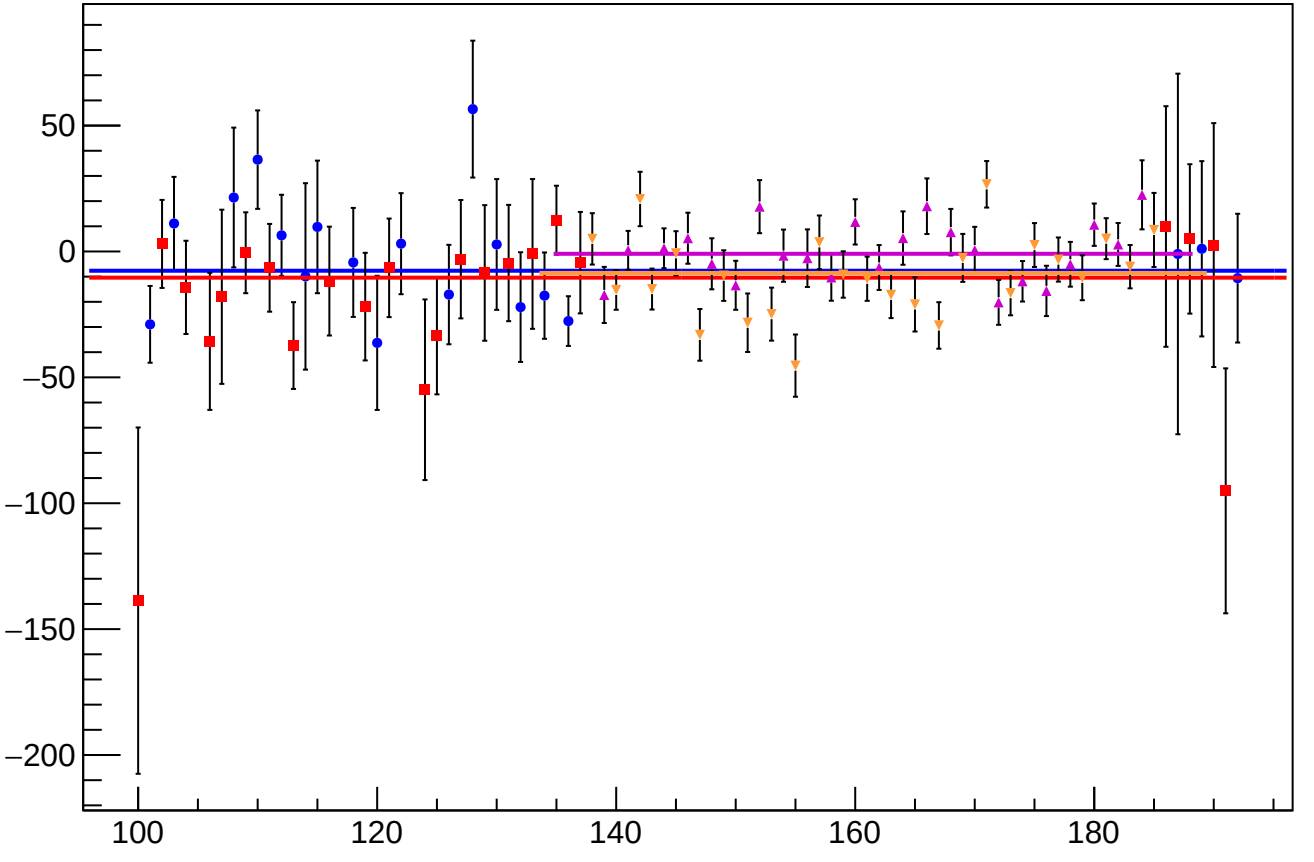
Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6893.798+/-0.936 χ^2/NDF: 1725992.4/43

All: 6898.287+/-0.668 χ^2/NDF: 4149794.2/89

- sign 6902.954+/-0.954 χ^2/NDF: 2423754.9/45

diff_bpm4eX_mean vs Slug



Right In: -7.651+/-4.617 χ^2/NDF: 22.8/18

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

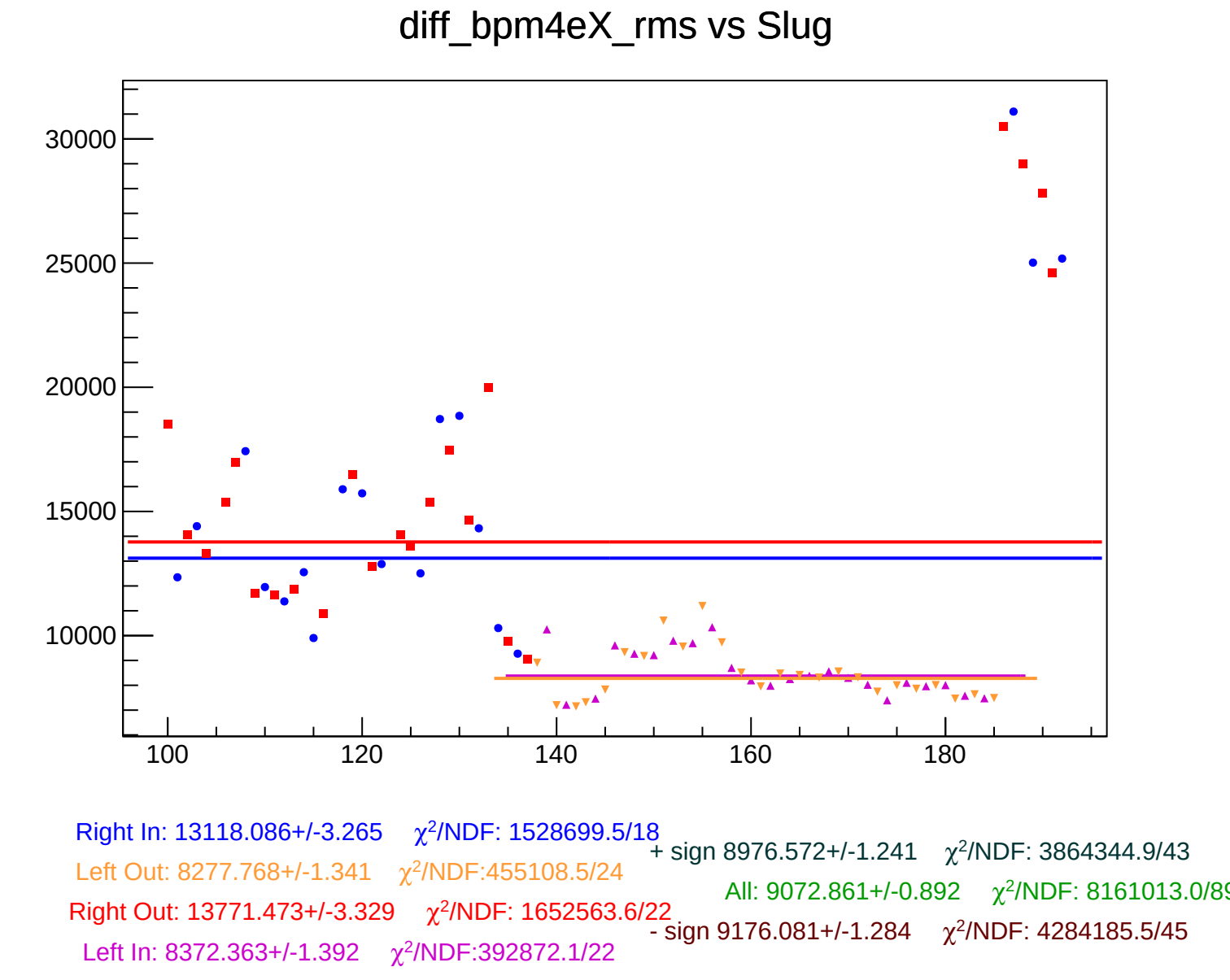
Right Out: -10.399+/-4.708 χ^2/NDF: 17.5/22

Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

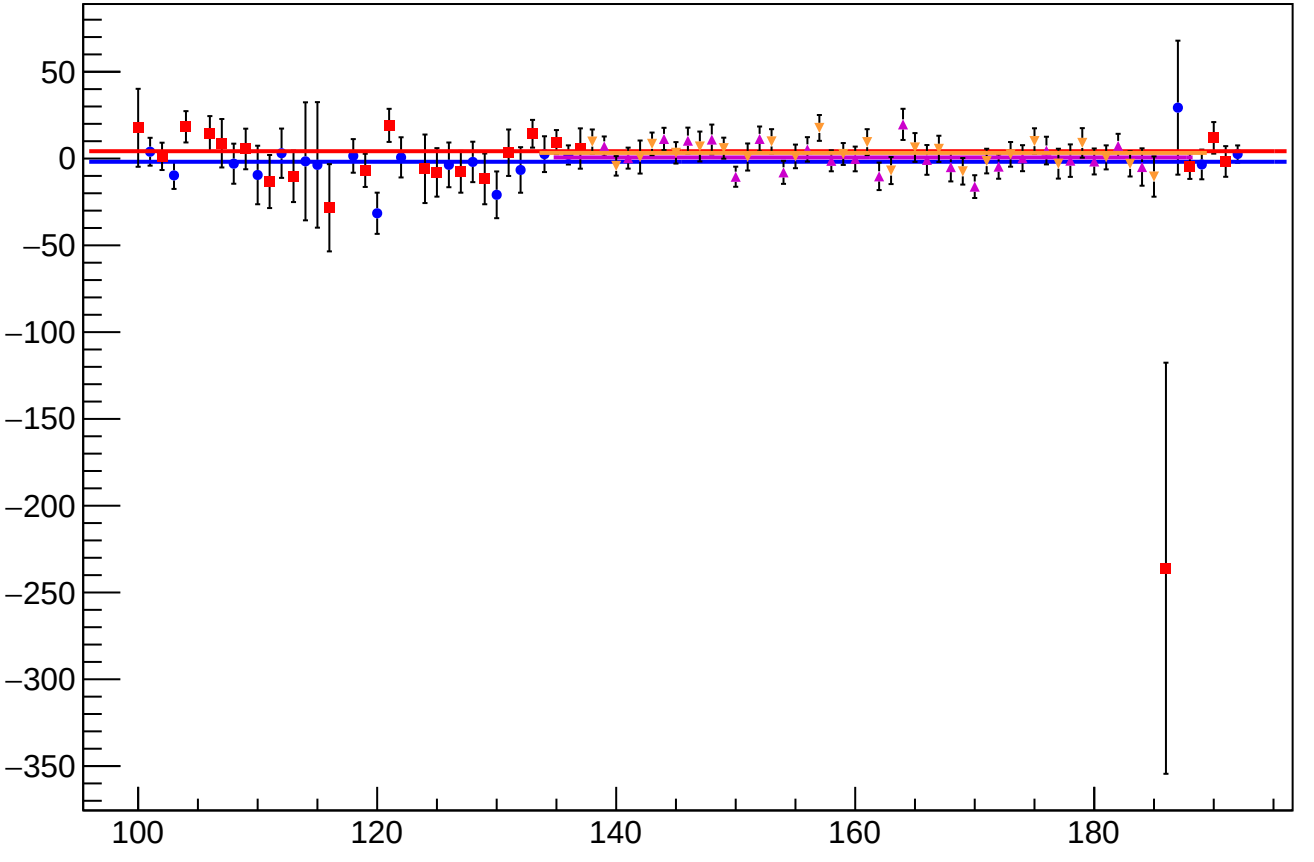
+ sign -8.409+/-1.754 χ^2/NDF: 84.7/43

All: -5.475+/-1.262 χ^2/NDF: 140.5/89

- sign -2.331+/-1.816 χ^2/NDF: 50.0/45


diff_bpm4eX_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 13118.086+/-3.265 χ²/NDF: 1528699.5/18
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 13771.473+/-3.329 χ²/NDF: 1652563.6/22
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
+ sign 8976.572+/-1.241 χ²/NDF: 3864344.9/43
All: 9072.861+/-0.892 χ²/NDF: 8161013.0/89
- sign 9176.081+/-1.284 χ²/NDF: 4284185.5/45

diff_bpm4eY_mean vs Slug



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

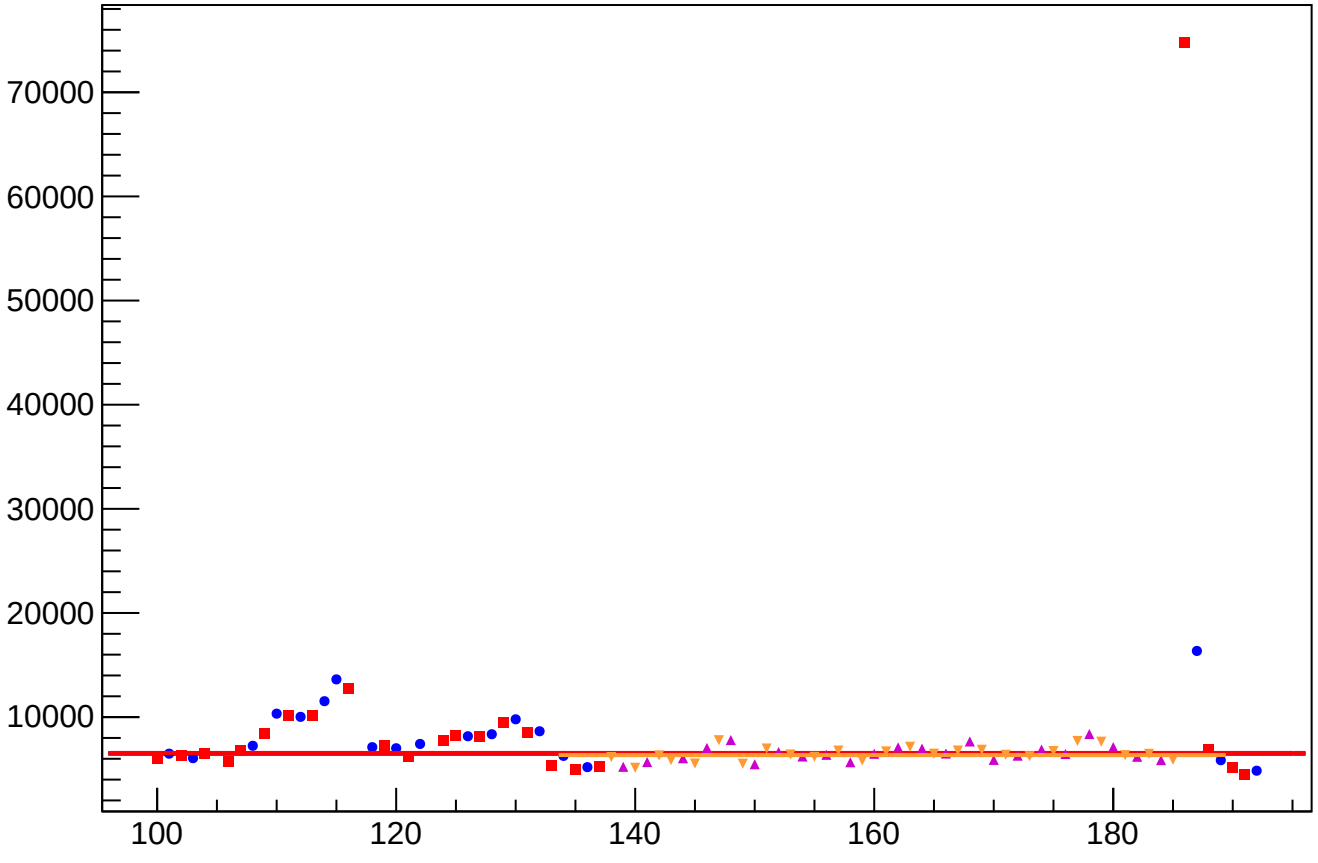
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 1.750+/-1.224 χ^2/NDF: 33.9/43

All: 1.749+/-0.874 χ^2/NDF: 90.1/89

- sign 1.746+/-1.248 χ^2/NDF: 56.2/45

diff_bpm4eY_rms vs Slug



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

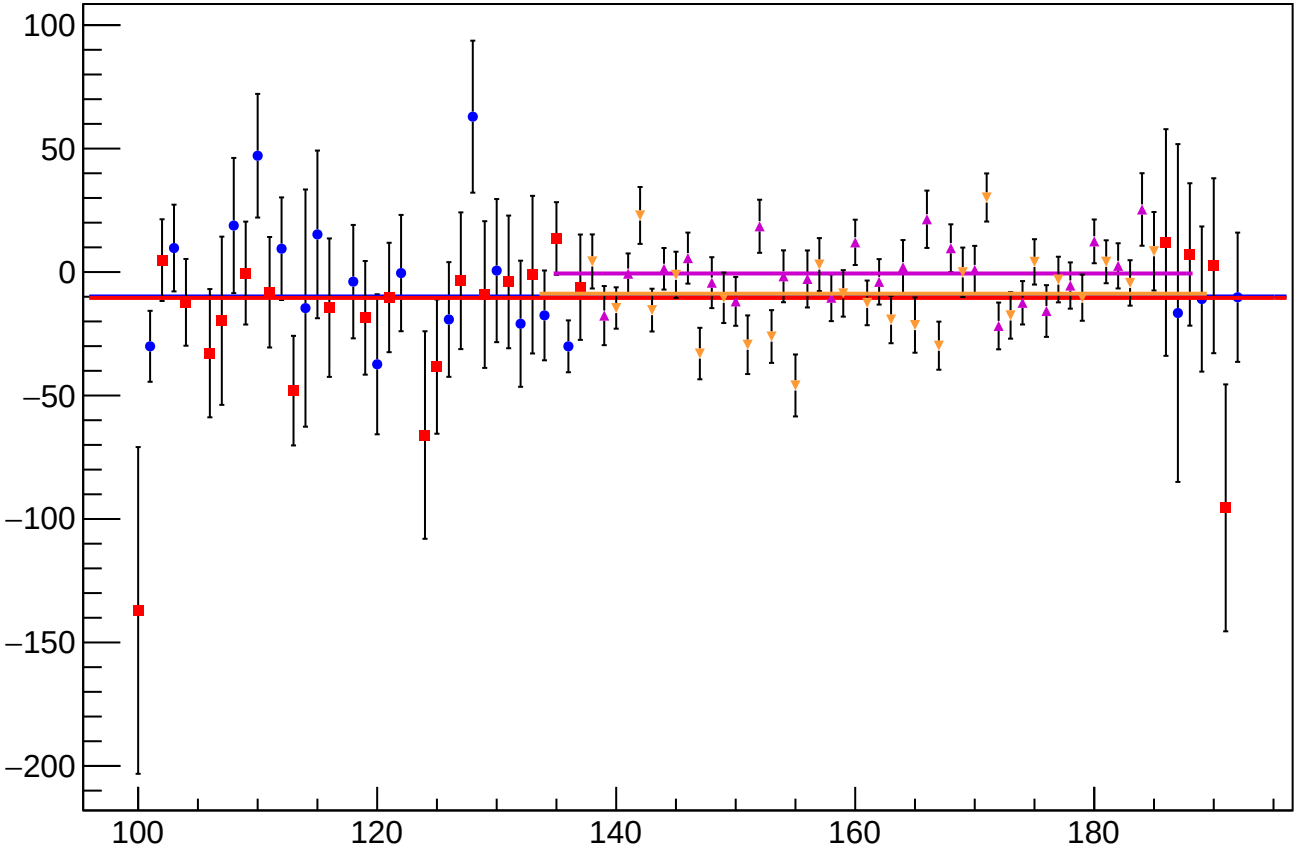
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6394.734+/-0.865 χ^2/NDF: 1535863.1/43

All: 6407.961+/-0.618 χ^2/NDF: 3659072.7/89

- sign 6421.721+/-0.883 χ^2/NDF: 2122733.0/45

diff_bpm4acX_mean vs Slug



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

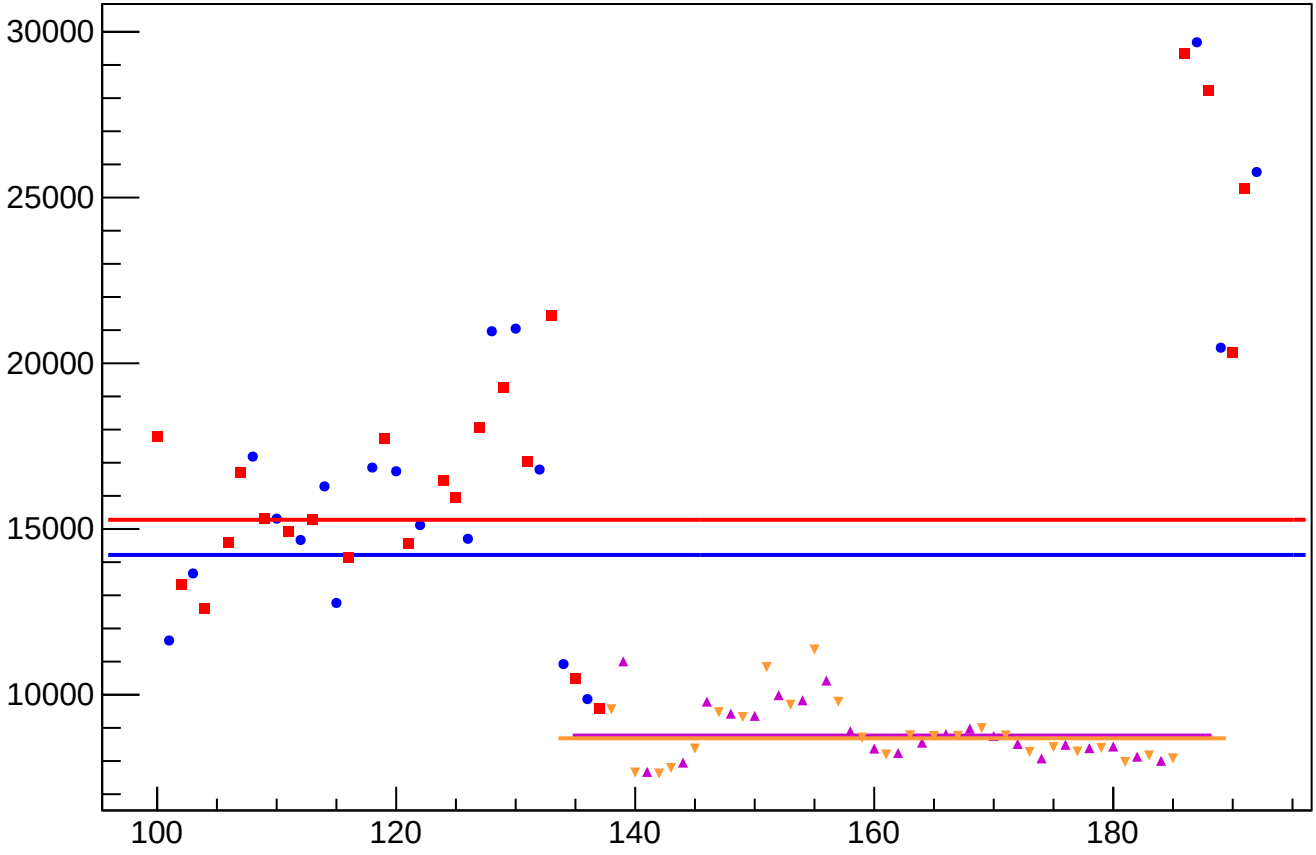
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -8.921+/-1.846 χ^2/NDF: 84.8/43

All: -5.551+/-1.328 χ^2/NDF: 142.4/89

- sign -1.933+/-1.913 χ^2/NDF: 50.7/45

diff_bpm4acX_rms vs Slug



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

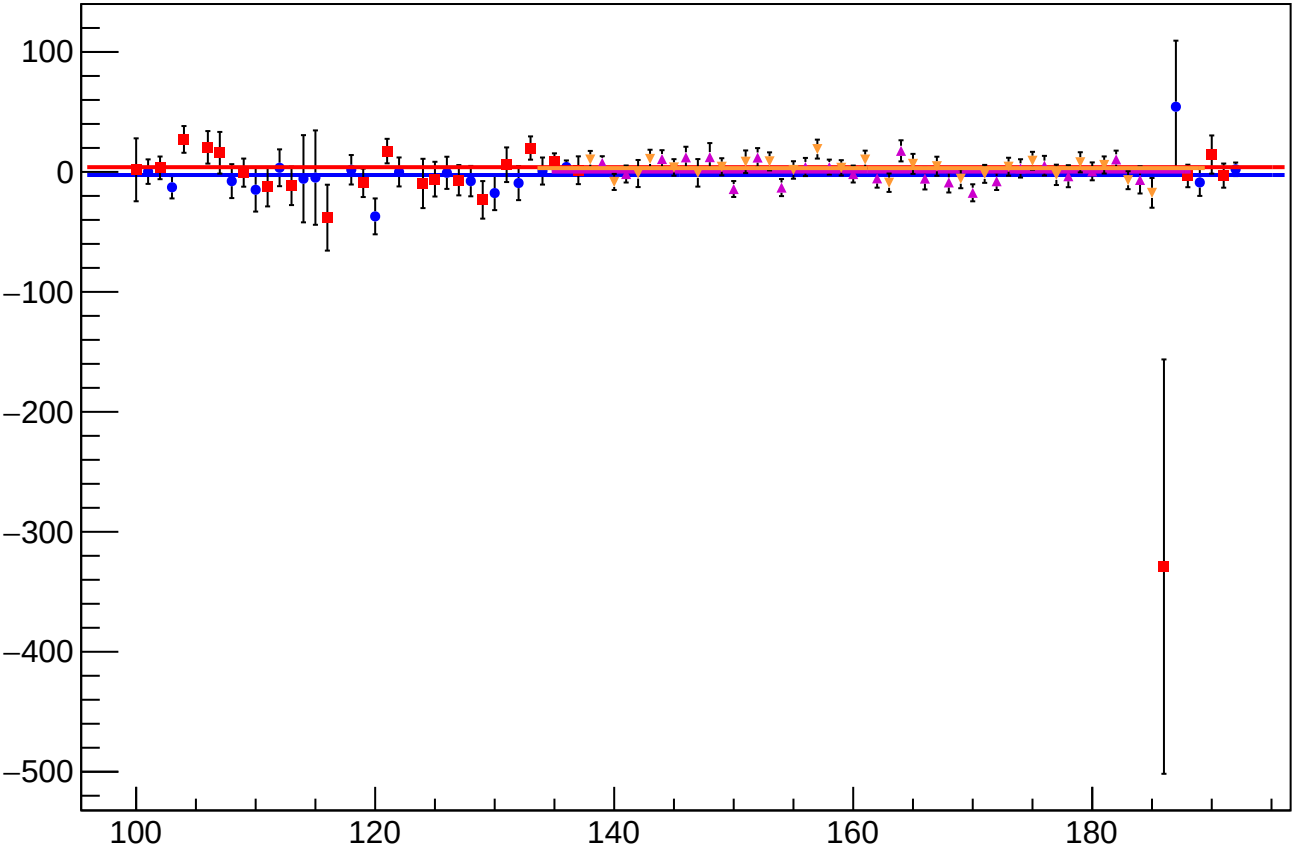
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9442.563+/-1.305 χ^2/NDF: 3827041.7/43

All: 9547.098+/-0.939 χ^2/NDF: 8193078.2/89

- sign 9659.340+/-1.353 χ^2/NDF: 4352738.6/45

diff_bpm4acY_mean vs Slug



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

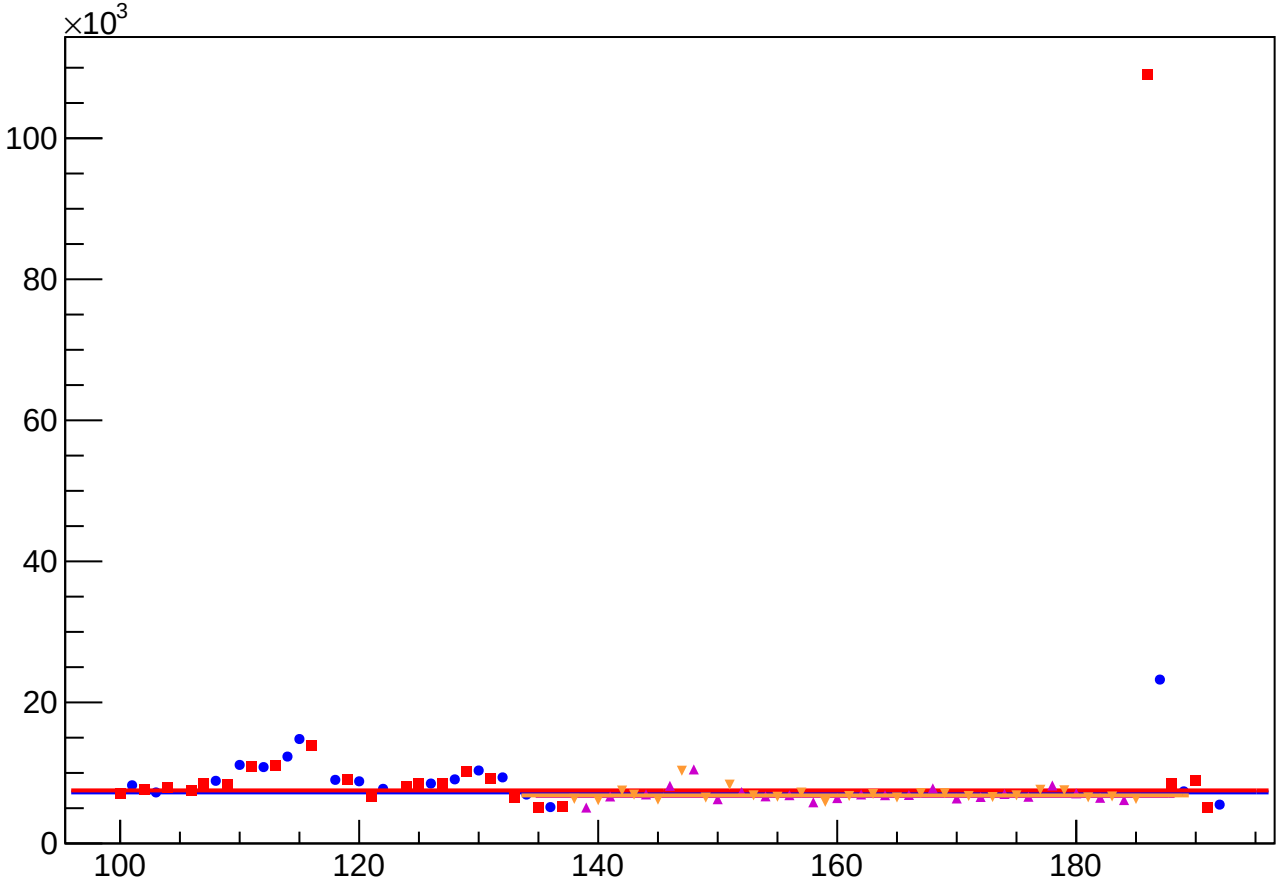
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 1.593+/-1.330 χ^2/NDF: 38.1/43

All: 1.437+/-0.950 χ^2/NDF: 100.5/89

- sign 1.276+/-1.357 χ^2/NDF: 62.4/45

diff_bpm4acY_rms vs Slug



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

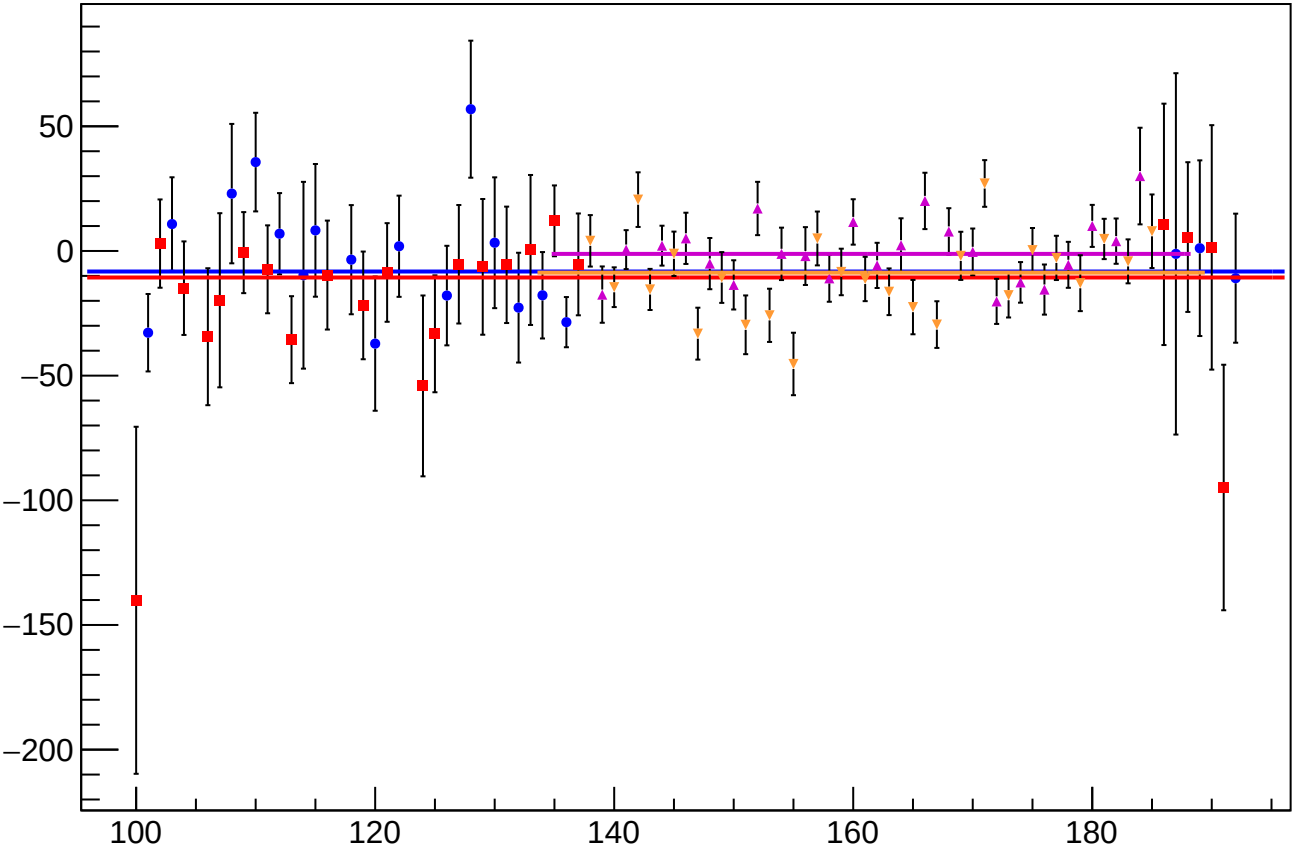
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6930.447+/-0.940 χ^2/NDF: 1713542.4/43

All: 6937.090+/-0.672 χ^2/NDF: 4112843.3/89

- sign 6944.002+/-0.959 χ^2/NDF: 2399199.1/45

diff_bpm4ecX_mean vs Slug



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

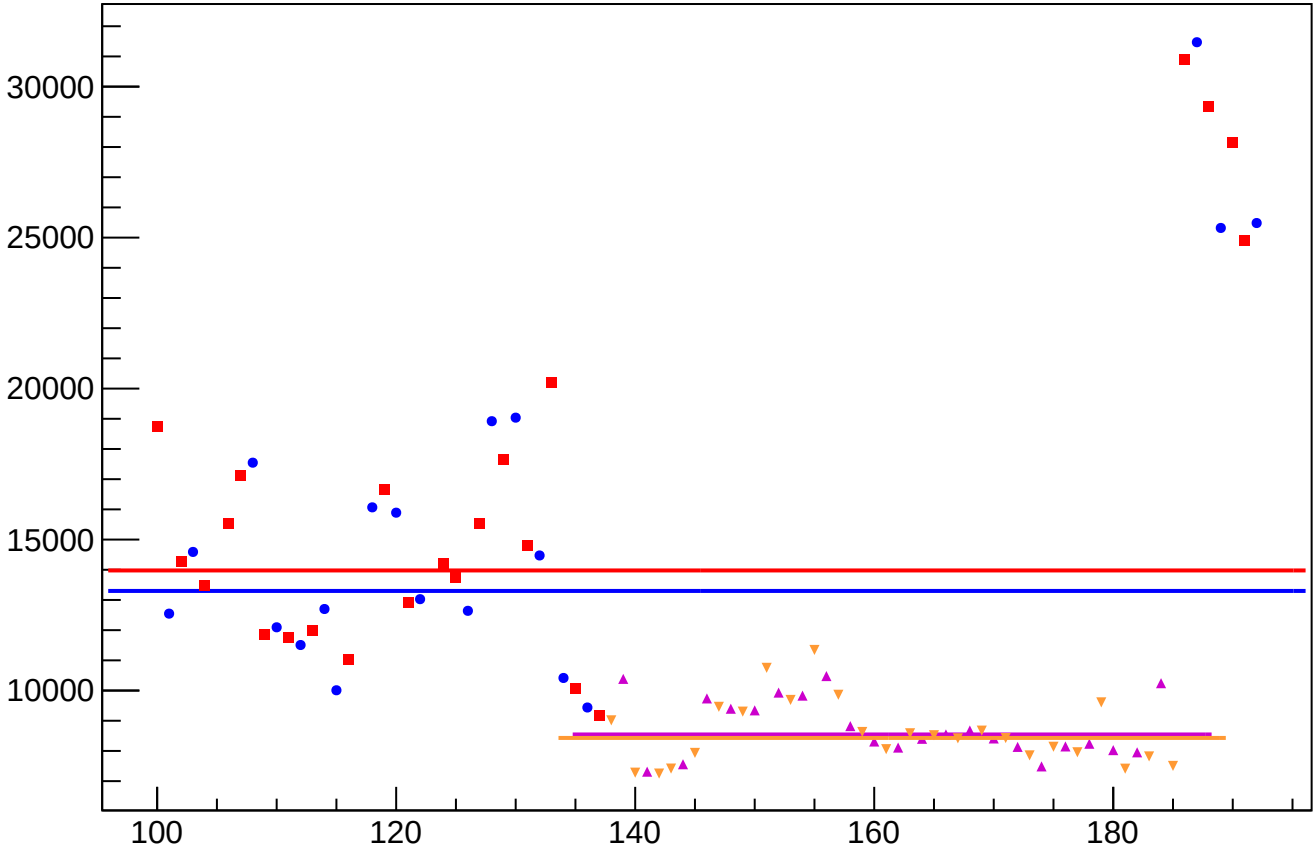
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -8.626+/-1.789 χ^2/NDF: 84.8/43

All: -5.721+/-1.288 χ^2/NDF: 138.5/89

- sign -2.600+/-1.855 χ^2/NDF: 48.3/45

diff_bpm4ecX_rms vs Slug



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

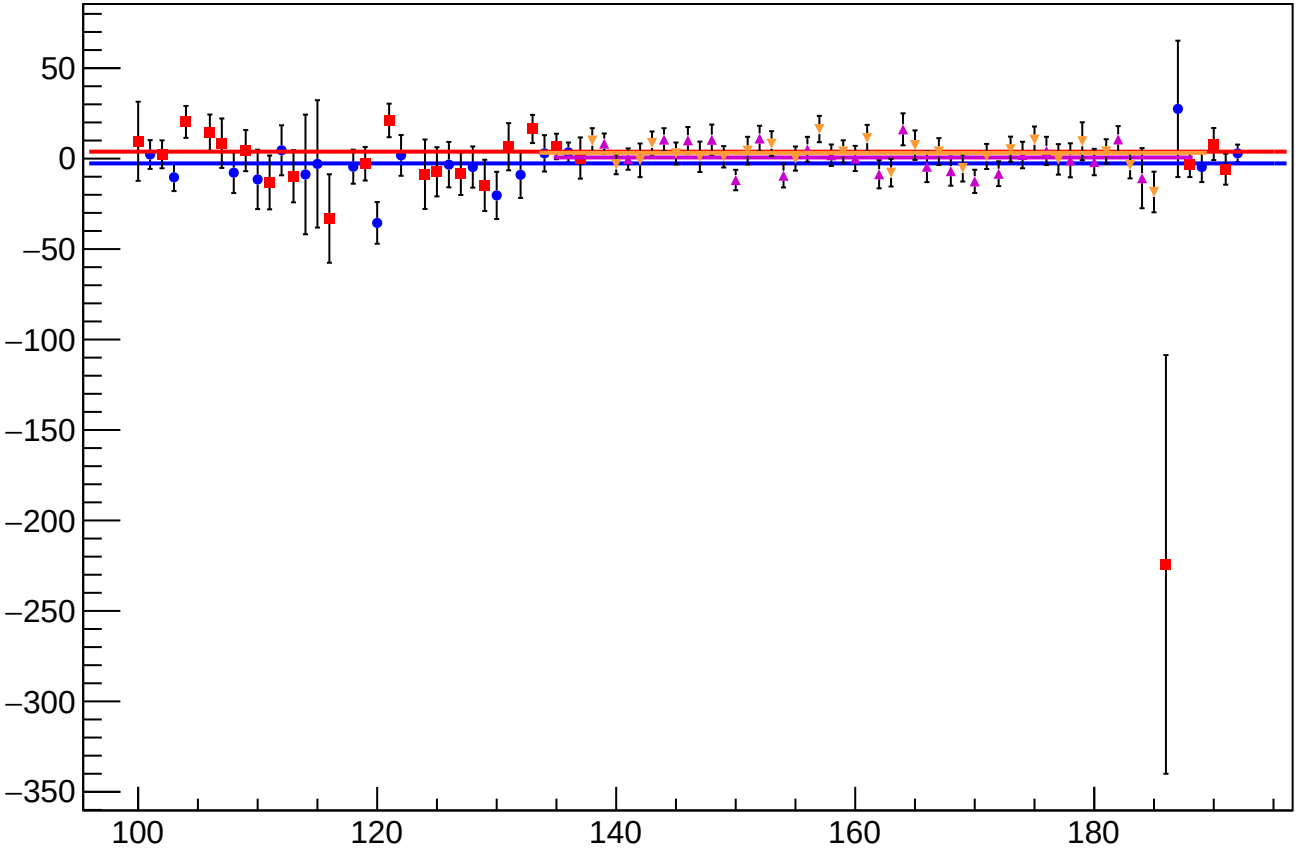
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9141.946+/-1.265 χ^2/NDF: 3844466.6/43

All: 9249.151+/-0.910 χ^2/NDF: 8072478.4/89

- sign 9364.335+/-1.311 χ^2/NDF: 4213115.6/45

diff_bpm4ecY_mean vs Slug



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

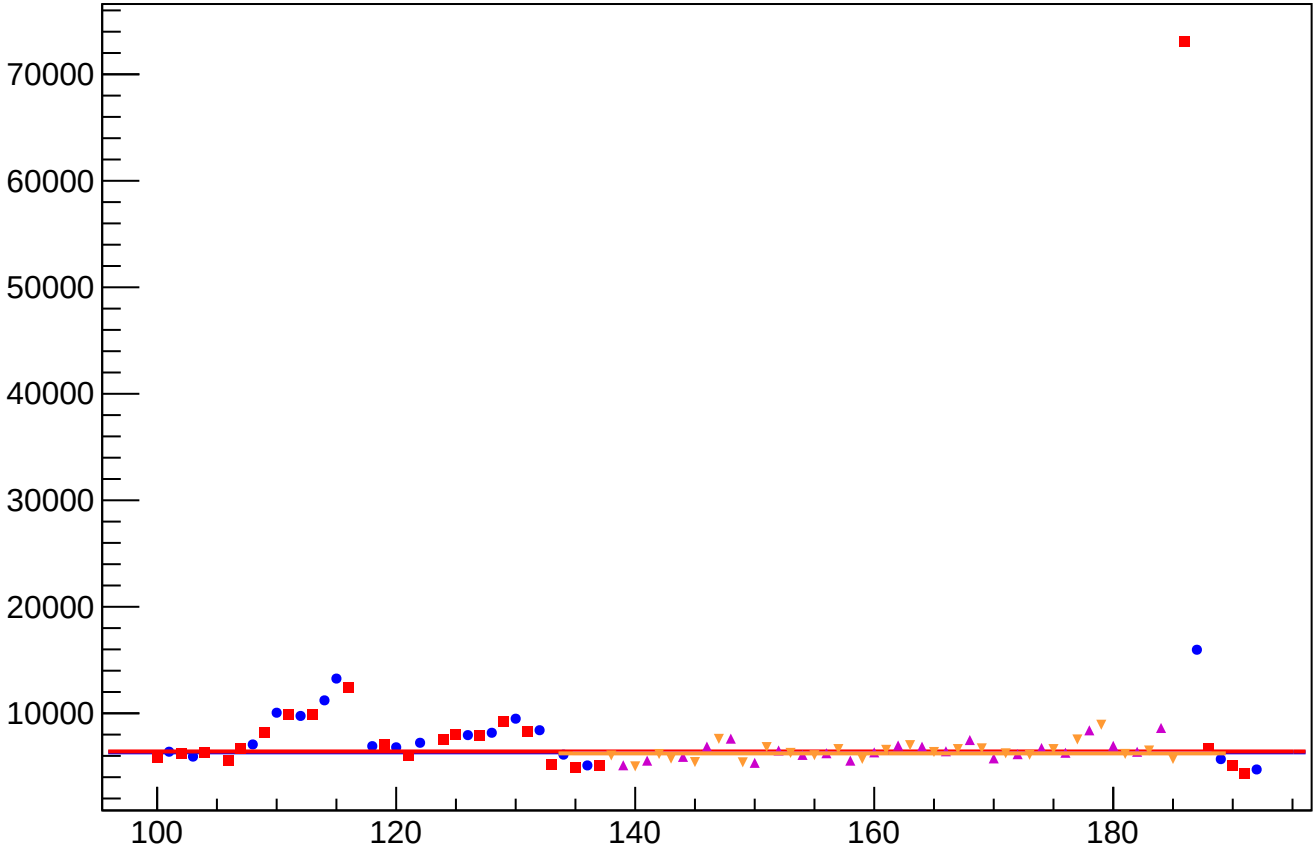
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 1.449+/-1.203 χ^2/NDF: 39.8/43

All: 1.539+/-0.860 χ^2/NDF: 99.5/89

- sign 1.633+/-1.230 χ^2/NDF: 59.7/45

diff_bpm4ecY_rms vs Slug



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

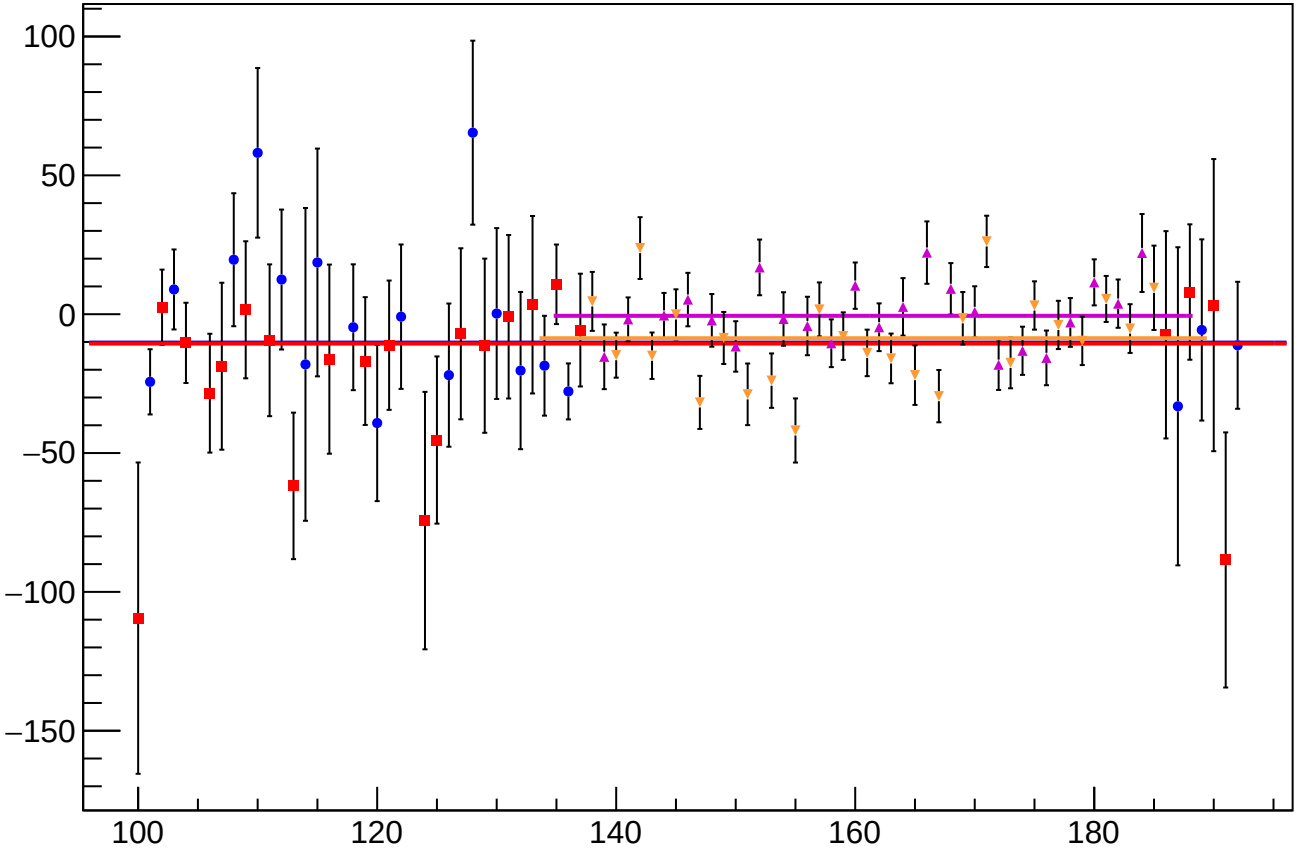
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6266.430+/-0.850 χ^2/NDF: 1615814.0/43

All: 6289.958+/-0.608 χ^2/NDF: 3759613.4/89

- sign 6314.570+/-0.870 χ^2/NDF: 2142232.8/45

diff_bpm1X_mean vs Slug



Right In: -10.228+/-4.829 χ^2/NDF: 21.4/18

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

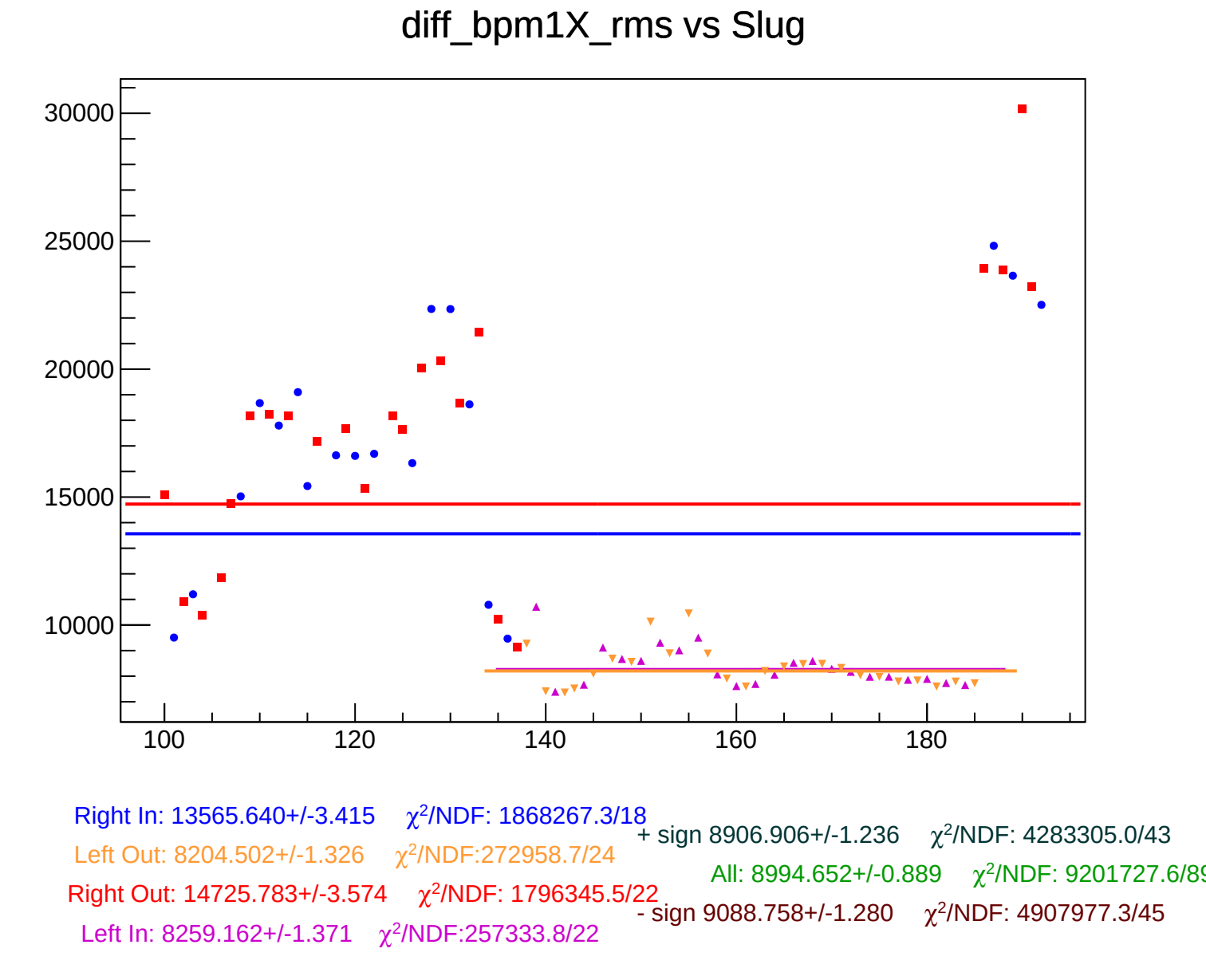
Right Out: -10.580+/-5.054 χ^2/NDF: 18.3/22

Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

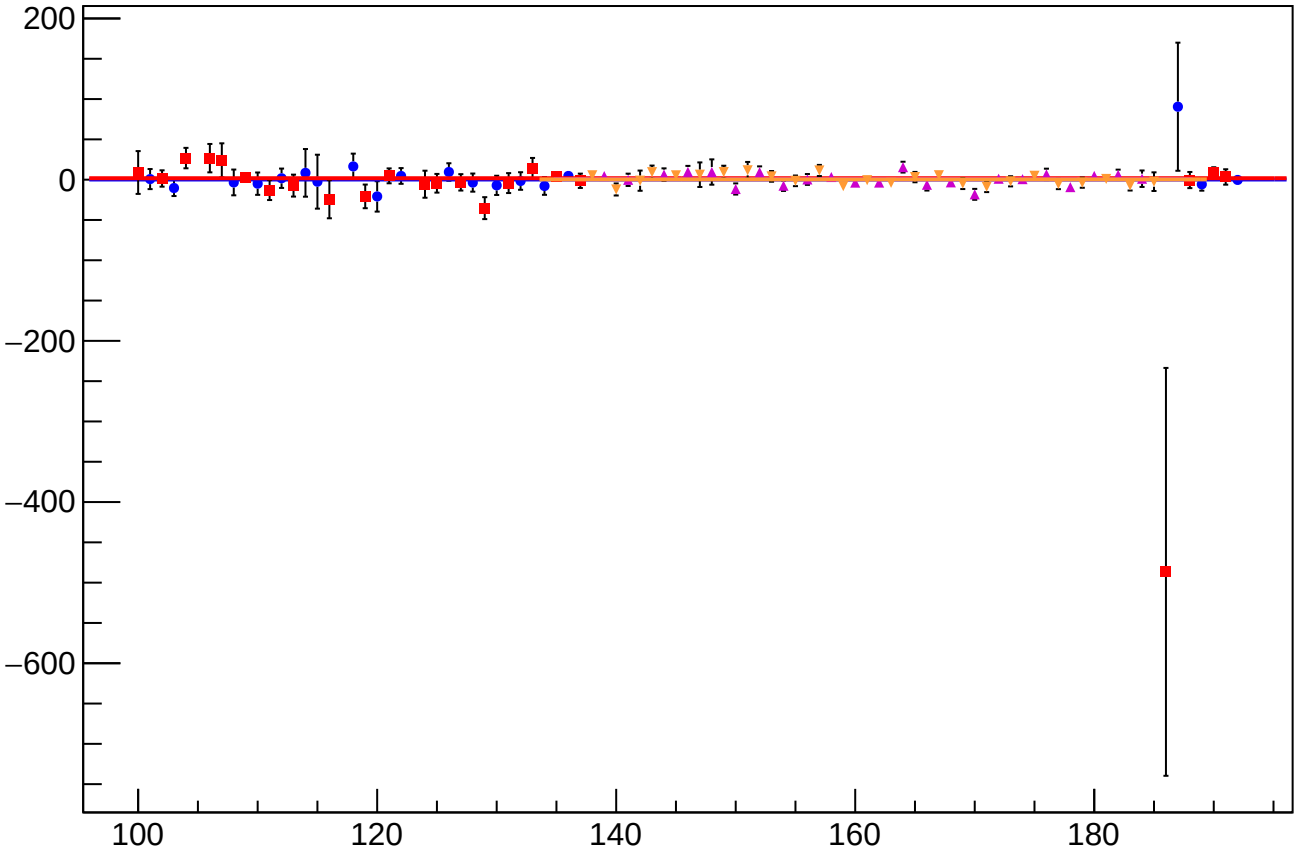
\+ sign -8.857+/-1.748 χ^2/NDF: 84.6/43

All: -5.484+/-1.257 χ^2/NDF: 142.5/89

\- sign -1.865+/-1.810 χ^2/NDF: 50.2/45


diff_bpm1X_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 13565.640+/-3.415 χ²/NDF: 1868267.3/18
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 14725.783+/-3.574 χ²/NDF: 1796345.5/22
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
+ sign 8906.906+/-1.236 χ²/NDF: 4283305.0/43
All: 8994.652+/-0.889 χ²/NDF: 9201727.6/89
- sign 9088.758+/-1.280 χ²/NDF: 4907977.3/45

diff_bpm1Y_mean vs Slug



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

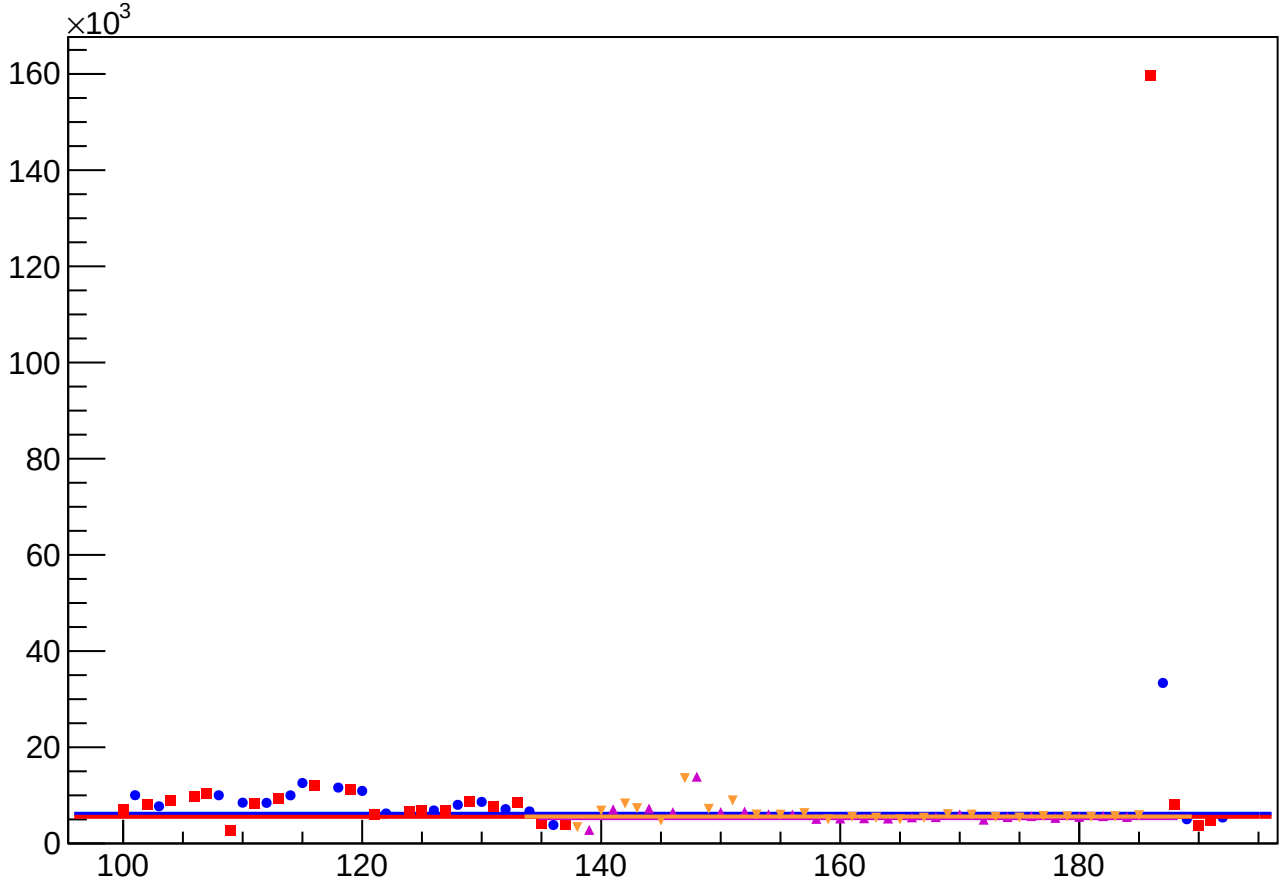
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.320+/-1.137 χ^2/NDF: 30.3/43

All: 0.675+/-0.790 χ^2/NDF: 87.9/89

- sign 1.007+/-1.098 χ^2/NDF: 57.4/45

diff_bpm1Y_rms vs Slug



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

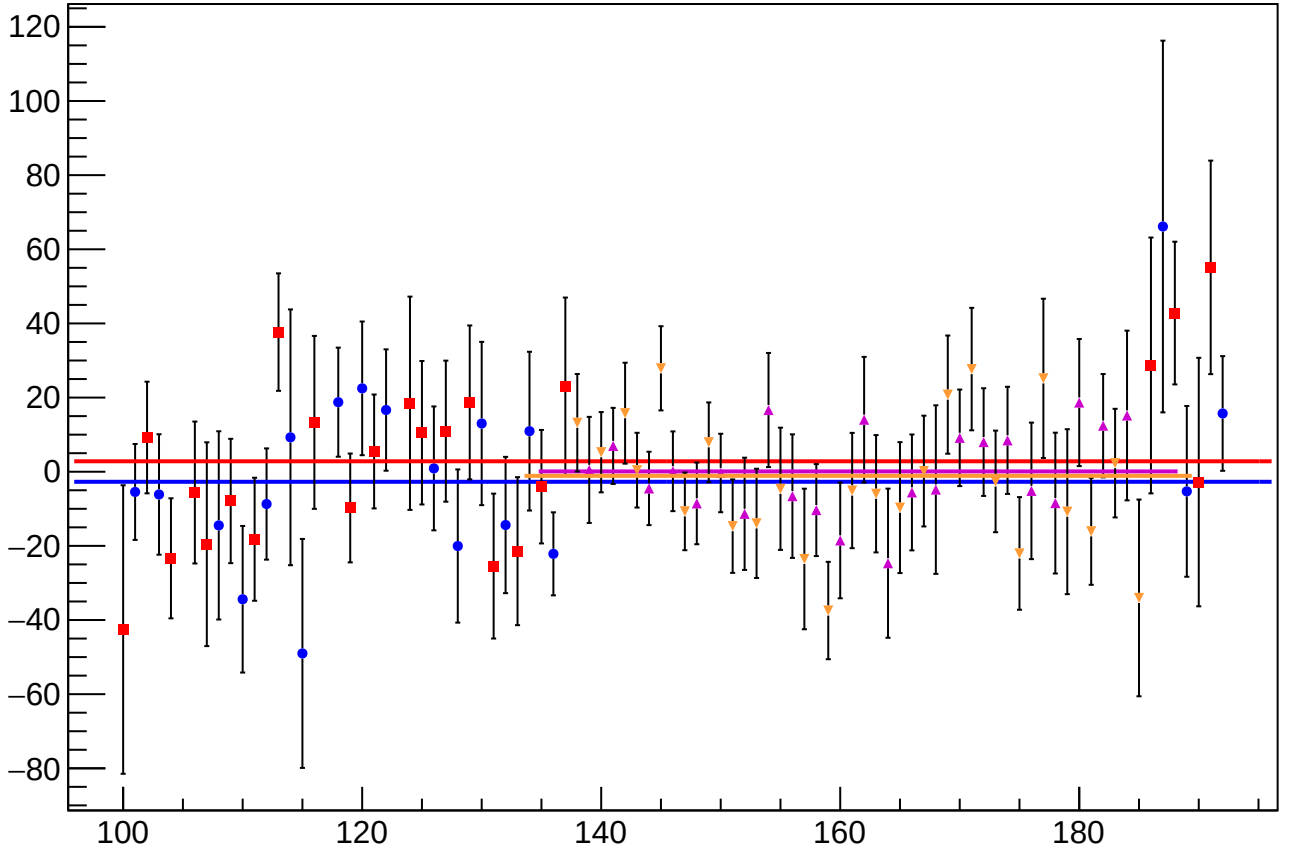
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5744.707+/-0.804 χ^2/NDF: 3971526.5/43

All: 5534.862+/-0.558 χ^2/NDF: 10165114.3/8

- sign 5339.333+/-0.776 χ^2/NDF: 6061992.0/45

diff_bpm11X_mean vs Slug



Right In: -2.713+/-4.110 χ^2/NDF: 19.3/18

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

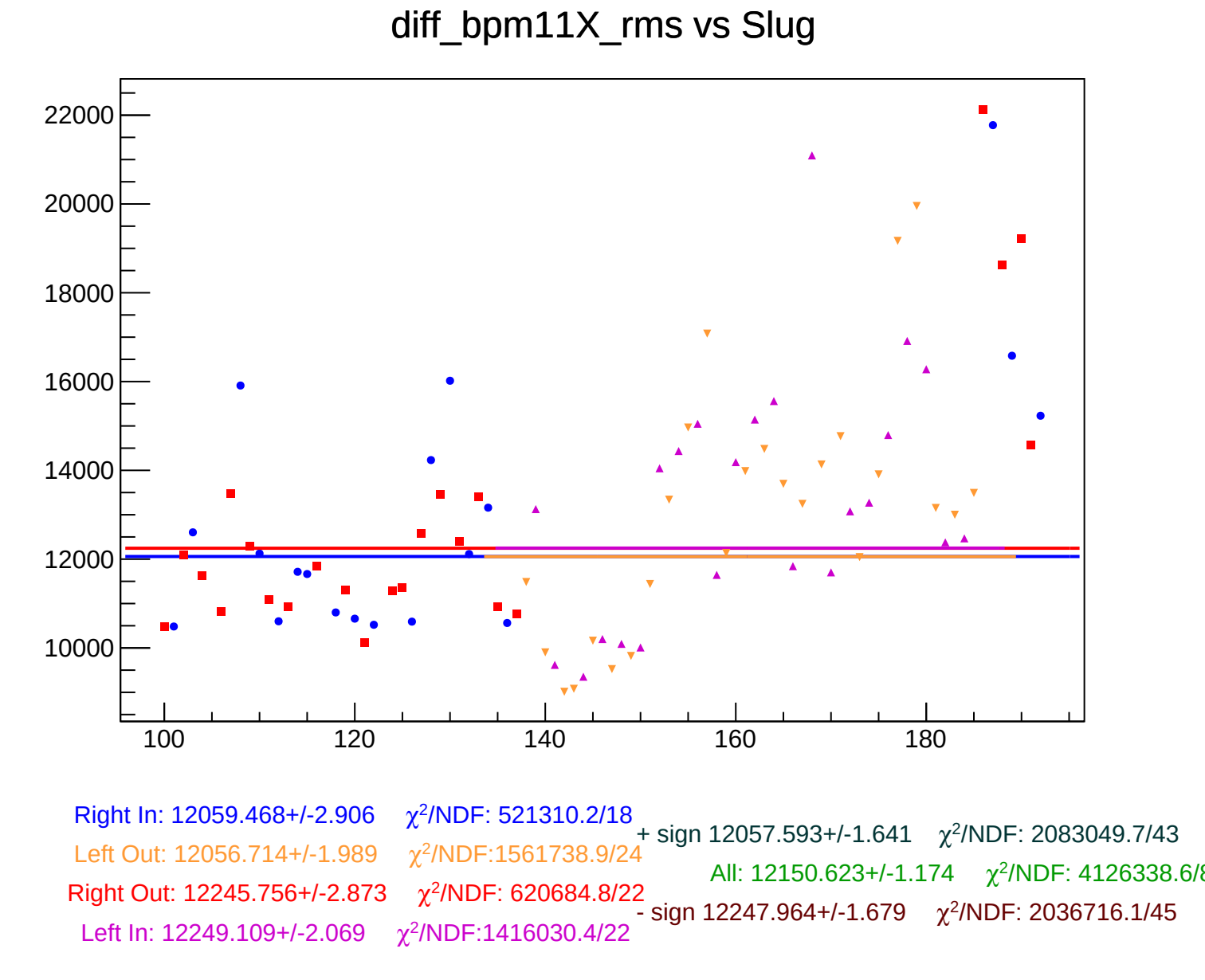
Right Out: 2.817+/-4.063 χ^2/NDF: 26.7/22

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

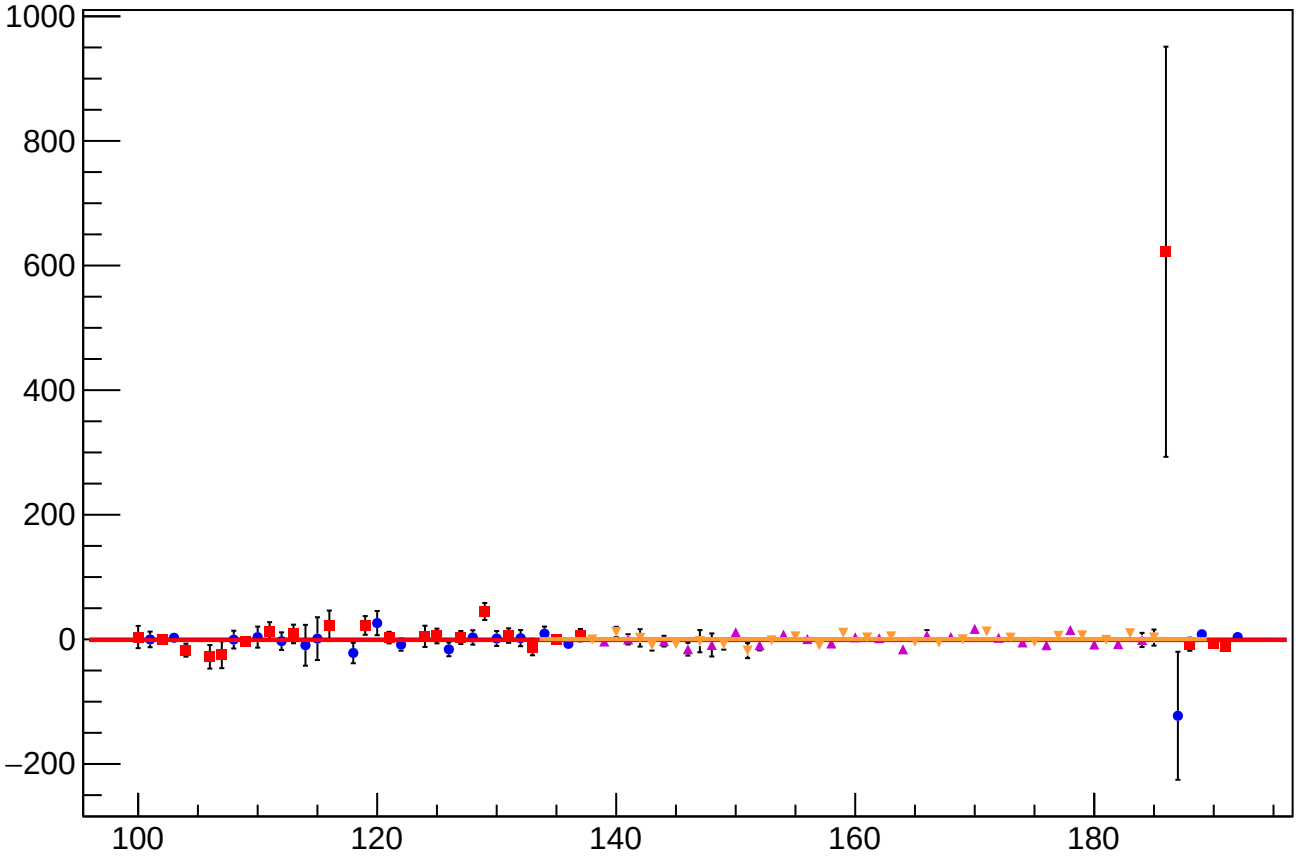
+ sign -1.622+/-2.321 χ^2/NDF: 53.2/43

All: -0.332+/-1.660 χ^2/NDF: 92.3/89

- sign 1.018+/-2.375 χ^2/NDF: 38.5/45


diff_bpm11X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
Right In: 12059.468+/-2.906 χ²/NDF: 521310.2/18
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 12245.756+/-2.873 χ²/NDF: 620684.8/22
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
+ sign 12057.593+/-1.641 χ²/NDF: 2083049.7/43
All: 12150.623+/-1.174 χ²/NDF: 4126338.6/8
- sign 12247.964+/-1.679 χ²/NDF: 2036716.1/45

diff_bpm11Y_mean vs Slug



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

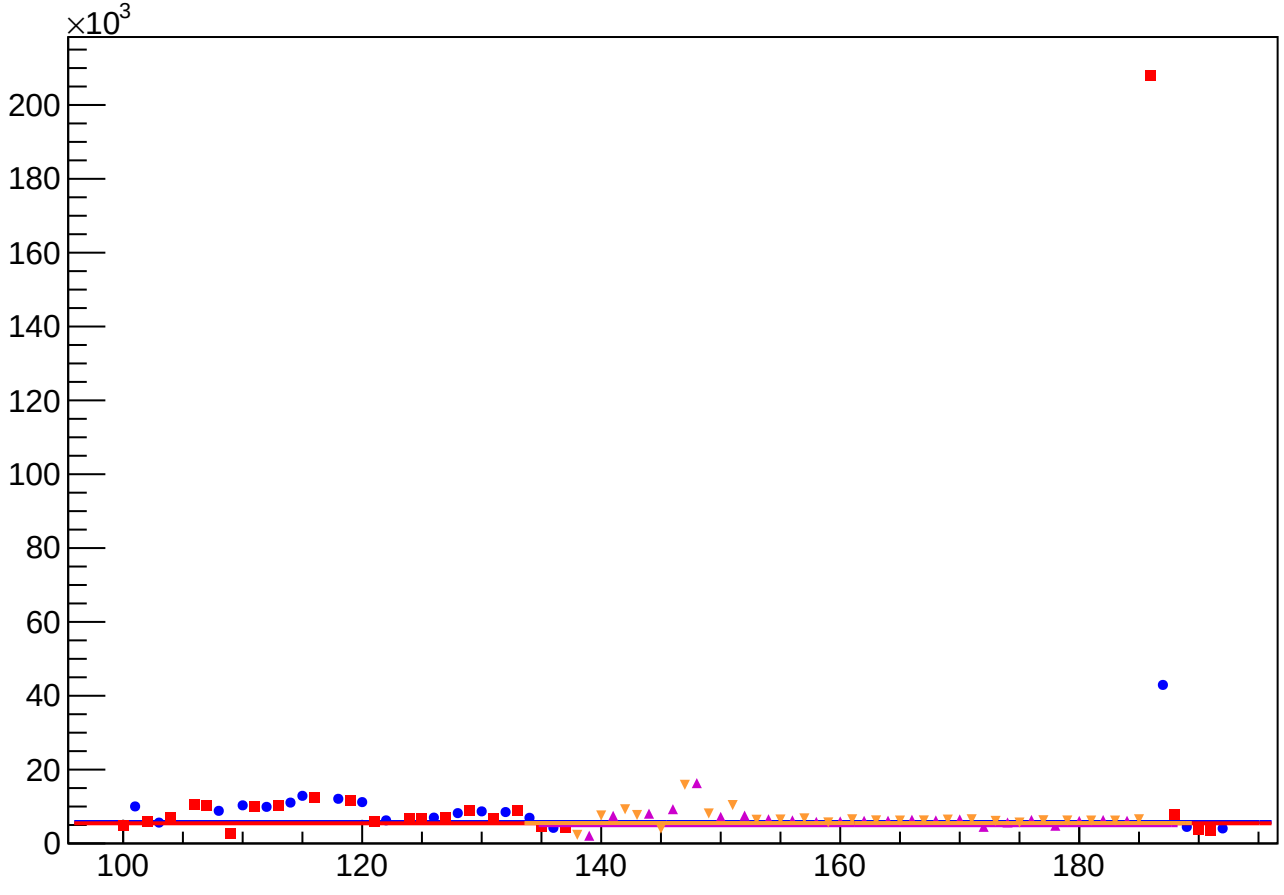
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.289+/-1.152 χ^2/NDF: 35.0/43

All: -0.391+/-0.795 χ^2/NDF: 99.0/89

- sign -1.011+/-1.099 χ^2/NDF: 63.3/45

diff_bpm11Y_rms vs Slug



Right In: 5805.695+/-1.507 χ^2/NDF: 2469622.3/18

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

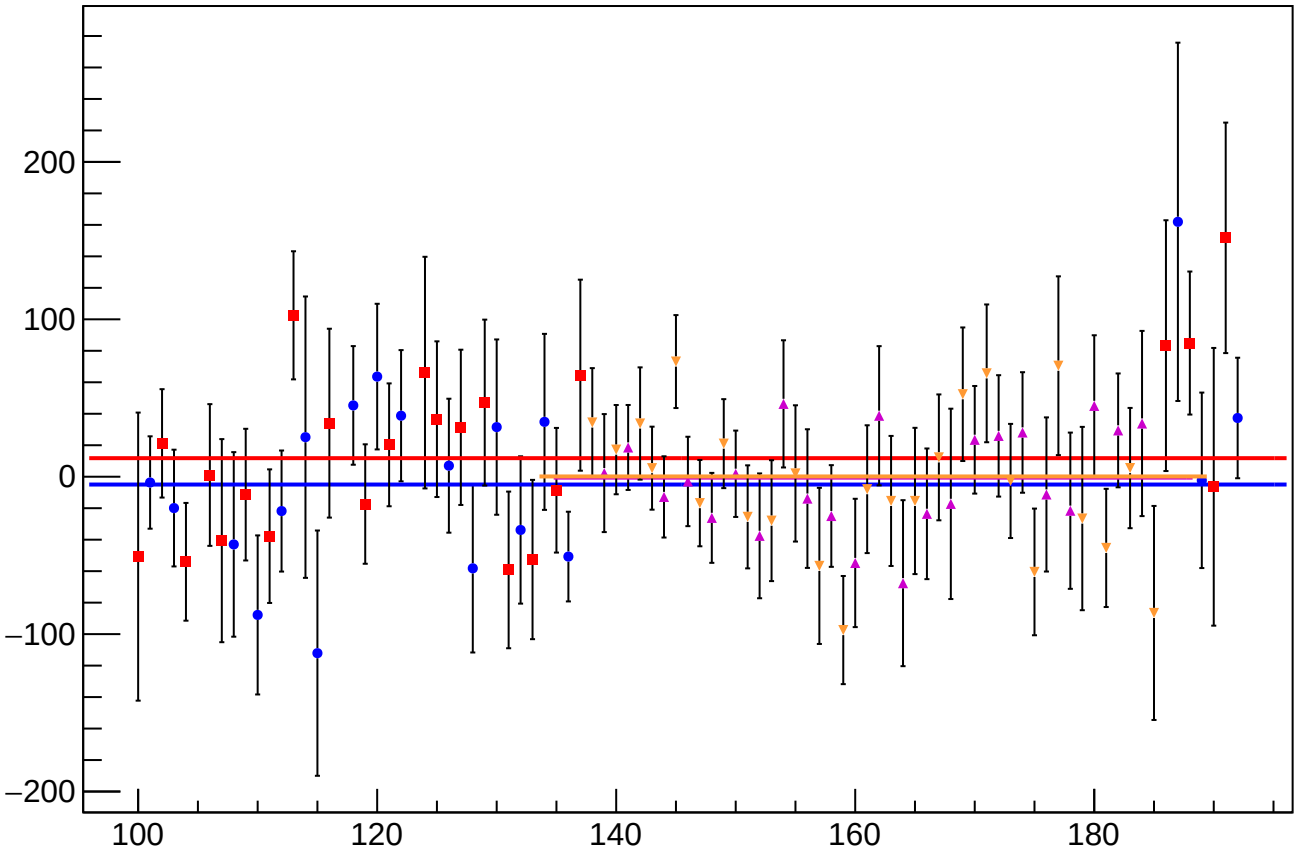
Right Out: 5459.640+/-1.472 χ^2/NDF: 3421994.1/22

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5609.041+/-0.814 χ^2/NDF: 6869381.2/43

All: 5335.469+/-0.562 χ^2/NDF: 16532275.8/8

- sign 5086.300+/-0.777 χ^2/NDF: 9447284.4/45



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

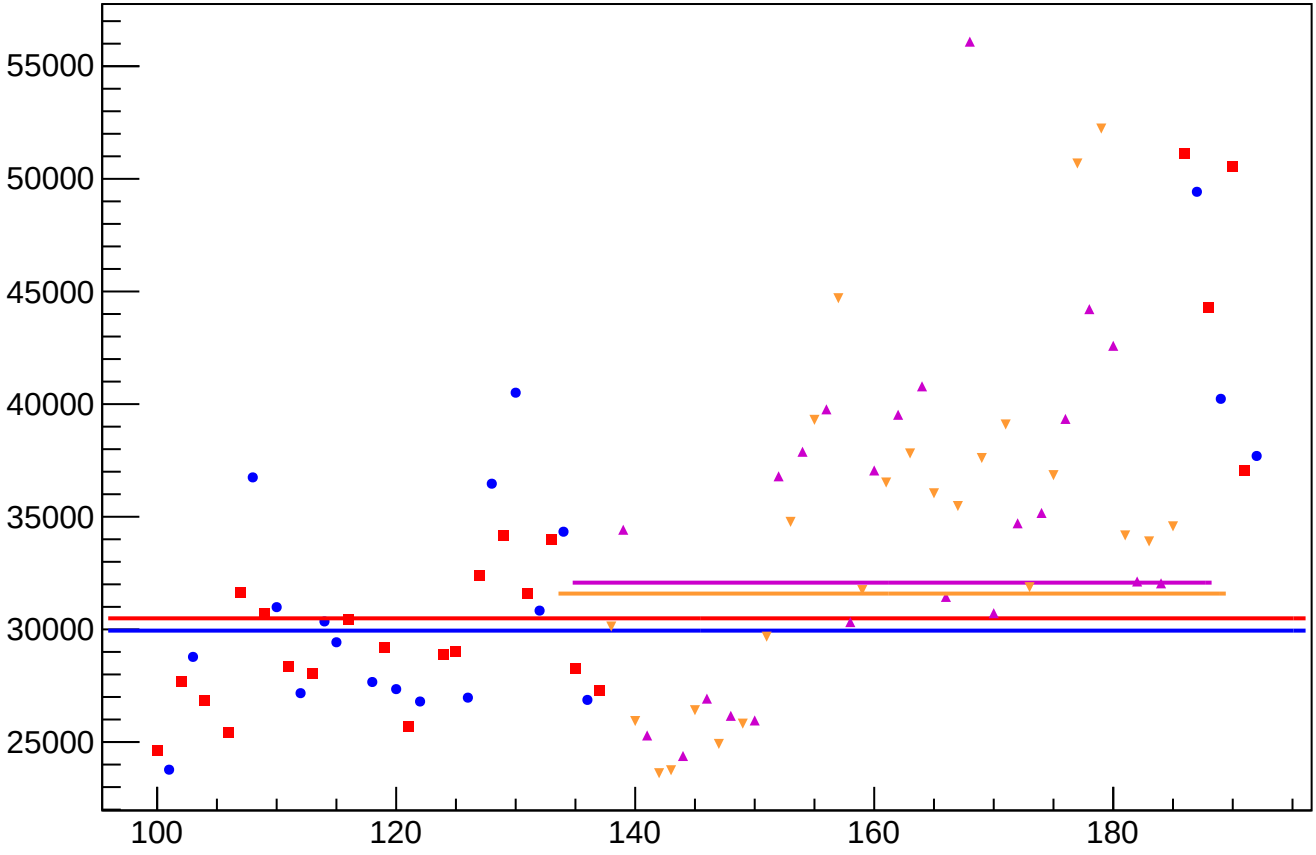
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -1.593+/-5.978 χ^2/NDF: 50.2/43

All: 1.111+/-4.272 χ^2/NDF: 89.3/89

- sign 3.935+/-6.108 χ^2/NDF: 38.7/45

diff_bpm12X_rms vs Slug



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

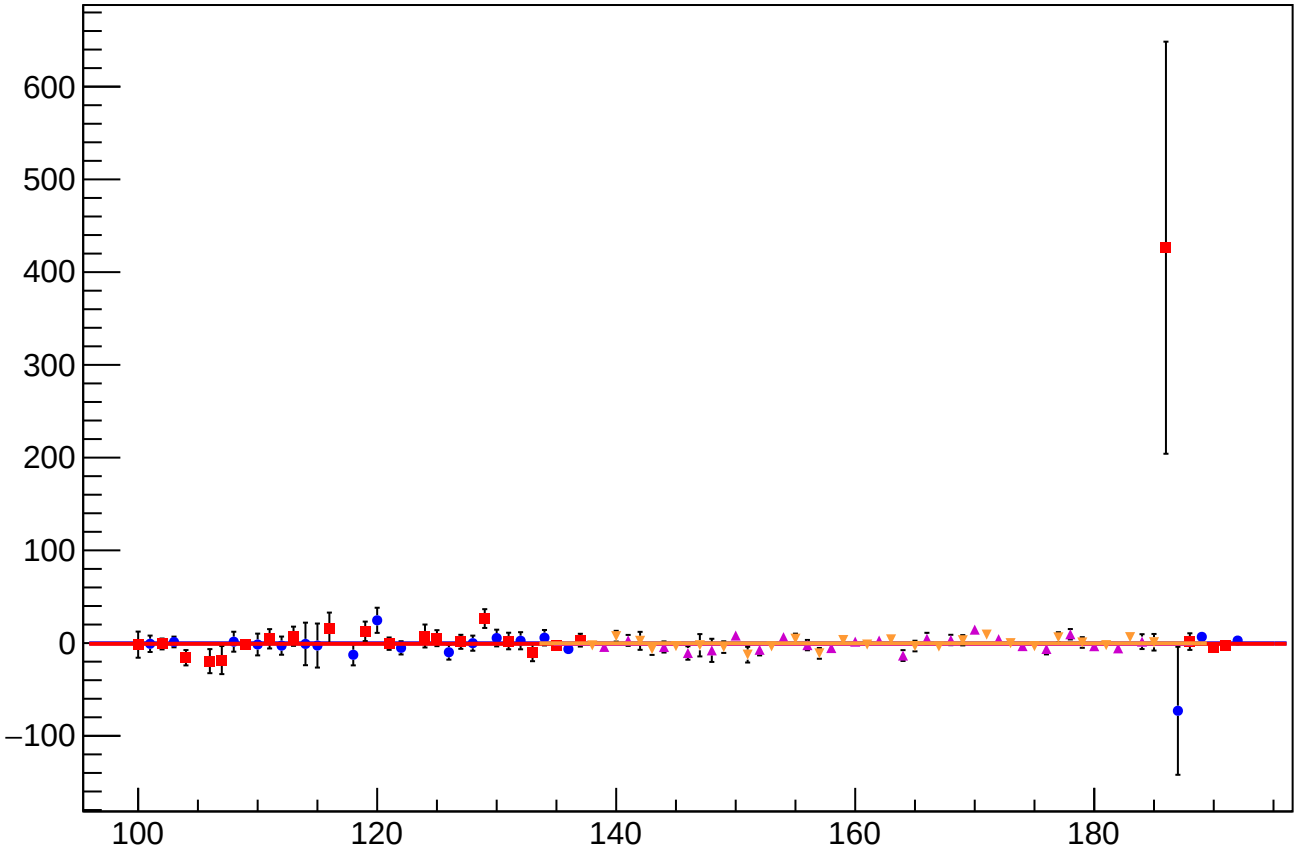
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 31025.951+/-4.227 χ^2/NDF: 2135331.7/43

All: 31256.037+/-3.021 χ^2/NDF: 4215043.3/8

- sign 31496.211+/-4.319 χ^2/NDF: 2073655.9/45

diff_bpm12Y_mean vs Slug



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

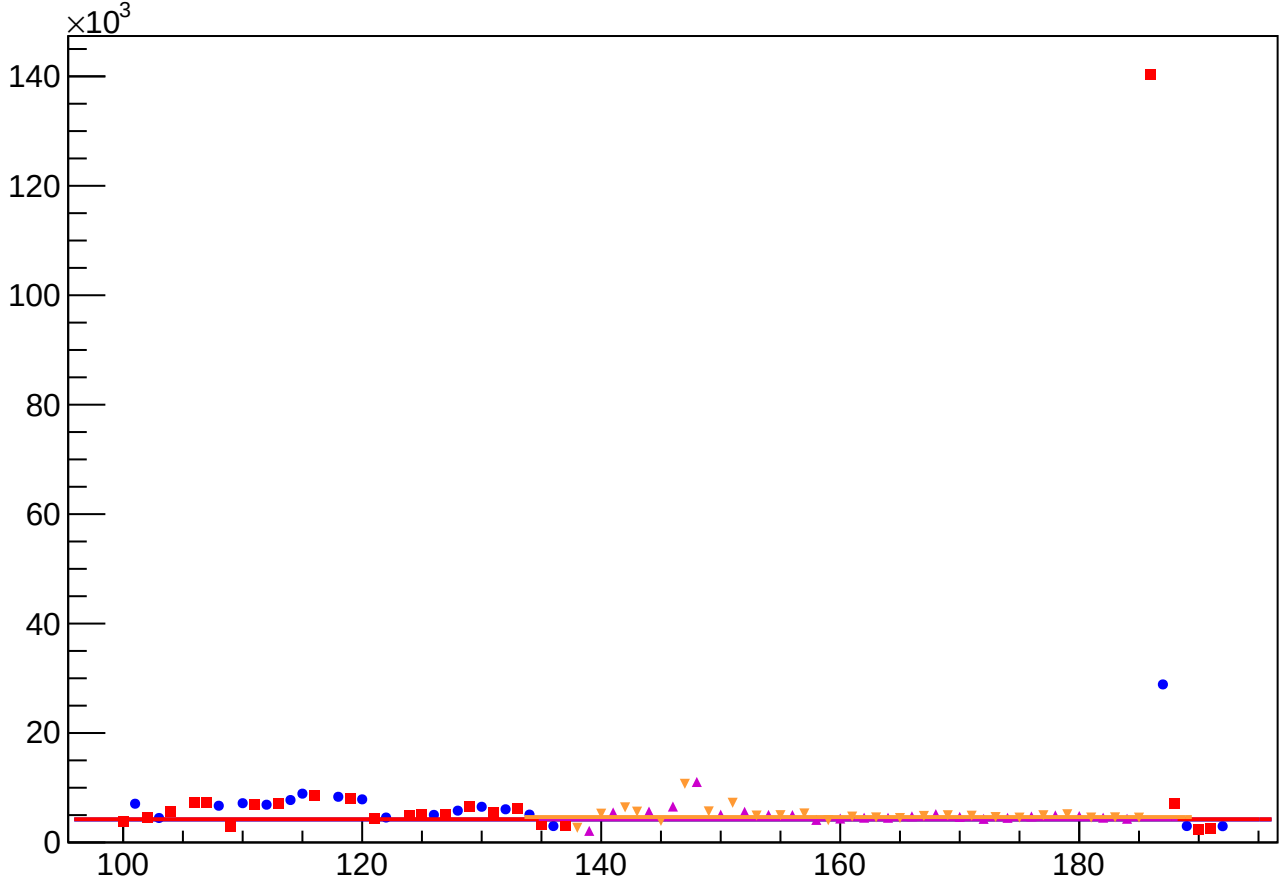
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.233+/-0.891 χ^2/NDF: 35.4/43

All: -0.510+/-0.626 χ^2/NDF: 94.1/89

- sign -0.781+/-0.879 χ^2/NDF: 58.5/45

diff_bpm12Y_rms vs Slug



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

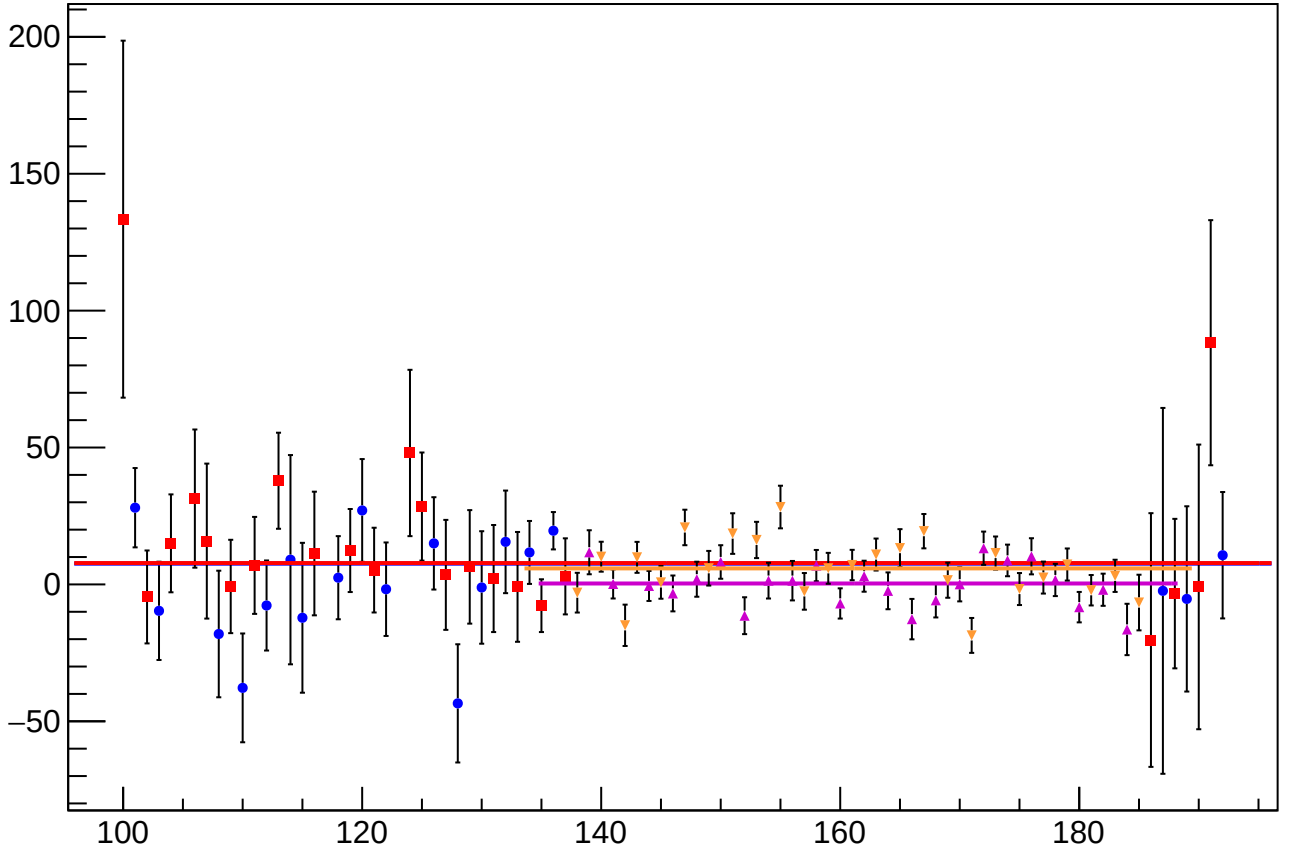
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4485.584+/-0.630 χ^2/NDF: 4353232.2/43

All: 4380.160+/-0.443 χ^2/NDF: 10564283.7/8

- sign 4277.509+/-0.622 χ^2/NDF: 6155794.2/45

diff_bpm16X_mean vs Slug



Right In: 7.586+/-3.740 χ^2/NDF: 21.8/18

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 7.799+/-4.010 χ^2/NDF: 18.4/22

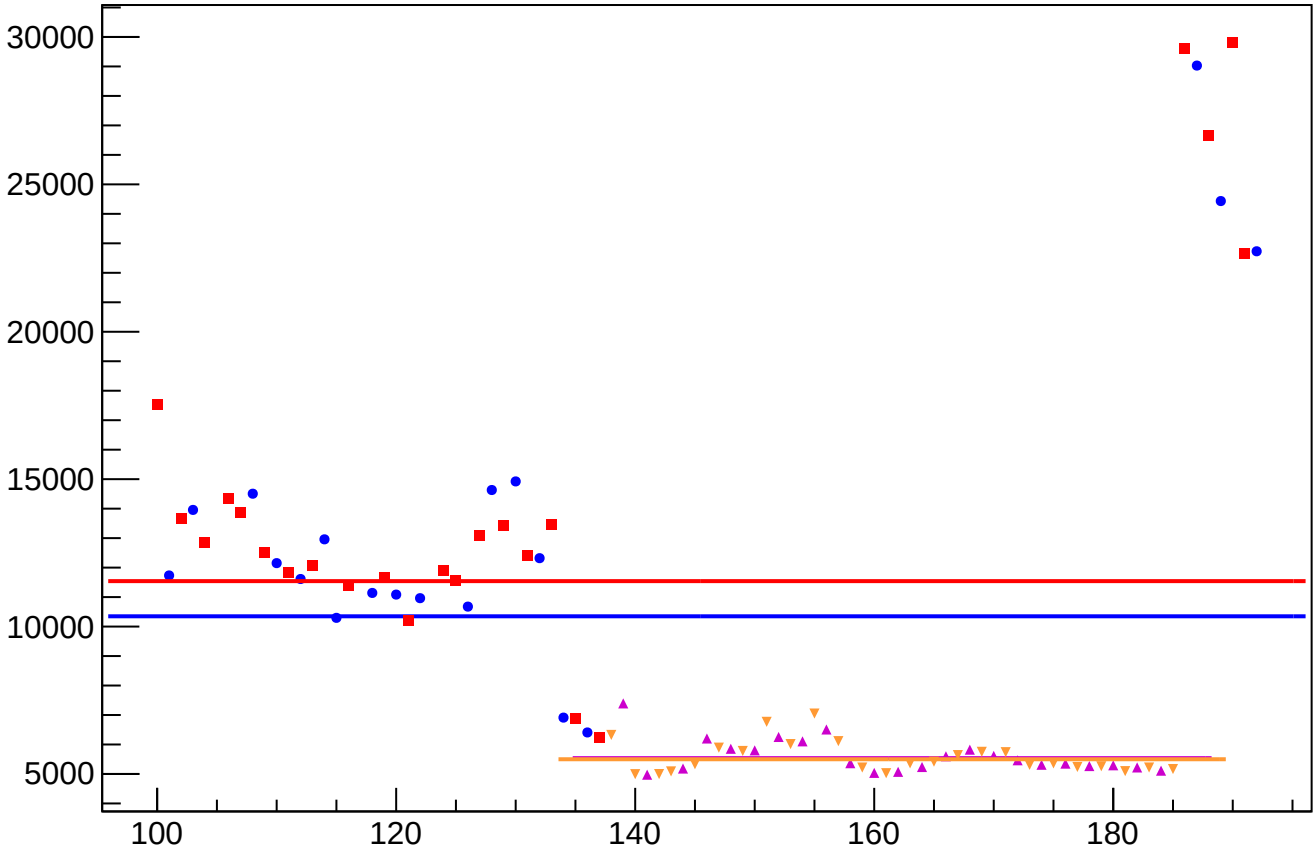
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.025+/-1.192 χ^2/NDF: 82.0/43

All: 3.629+/-0.858 χ^2/NDF: 141.3/89

- sign 1.047+/-1.237 χ^2/NDF: 50.9/45

diff_bpm16X_rms vs Slug



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

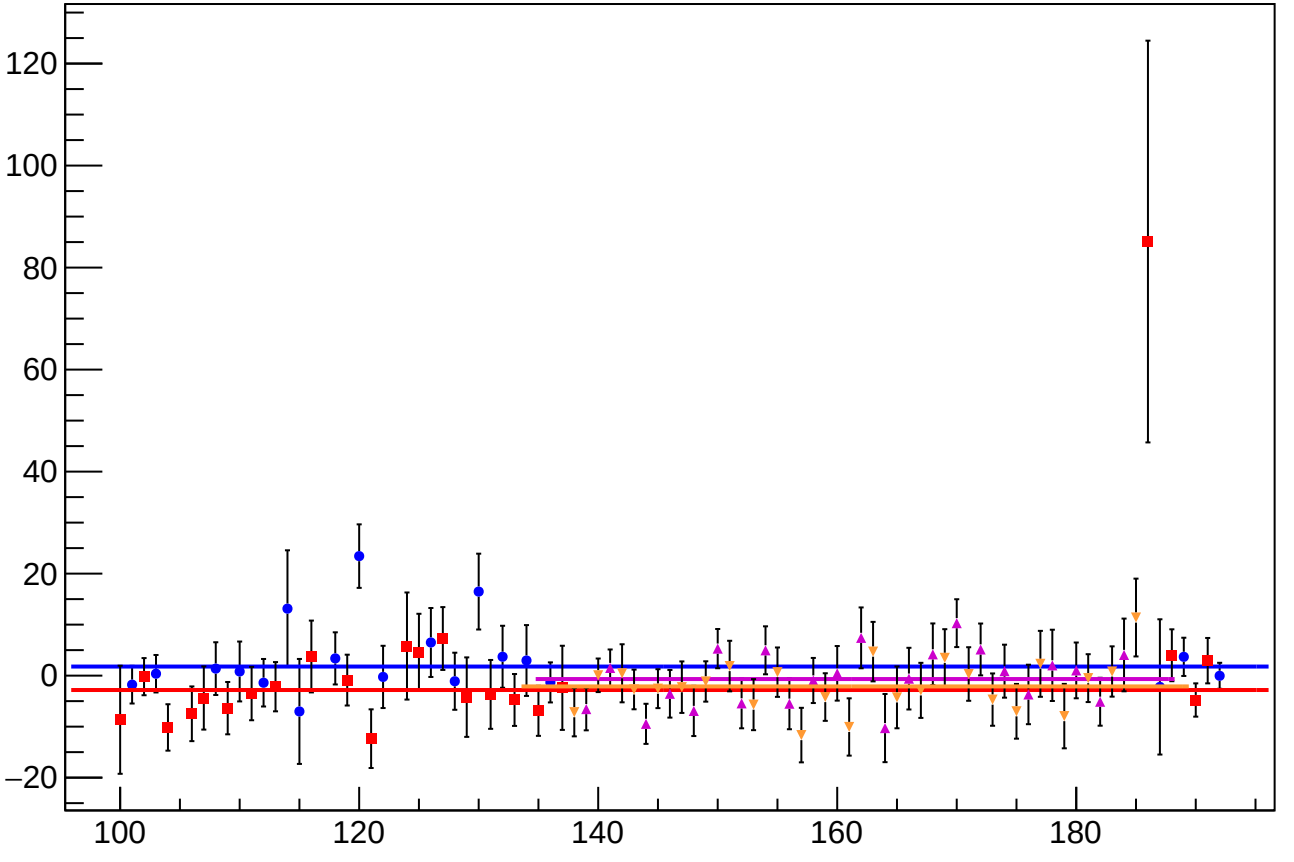
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 5991.781+/-0.843 χ^2/NDF: 5657119.6/43

All: 6048.368+/-0.607 χ^2/NDF: 12243416.9/8

- sign 6109.357+/-0.875 χ^2/NDF: 6576929.5/45

diff_bpm16Y_mean vs Slug



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

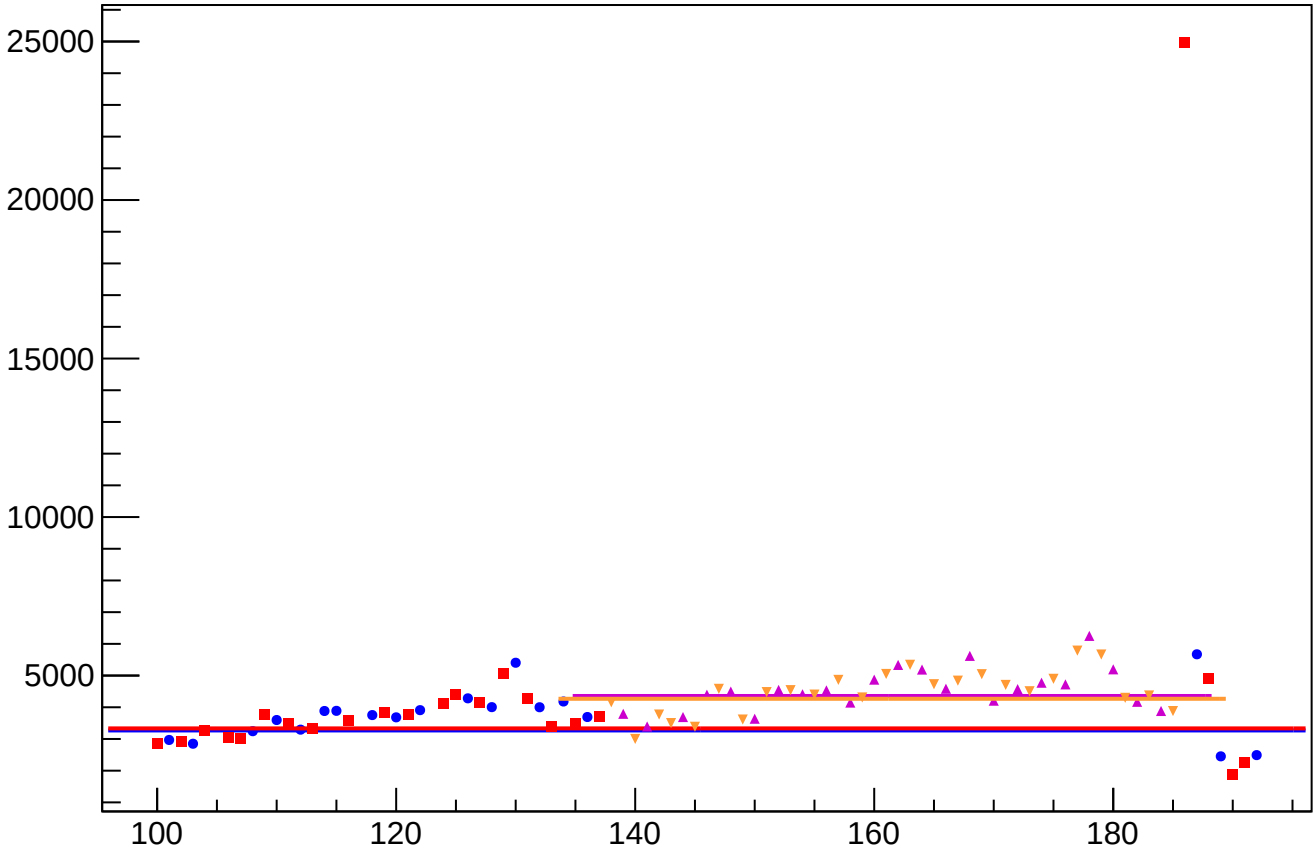
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -0.429+/-0.743 χ^2/NDF: 46.1/43

All: -1.017+/-0.533 χ^2/NDF: 100.3/89

- sign -1.639+/-0.764 χ^2/NDF: 52.9/45

diff_bpm16Y_rms vs Slug



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

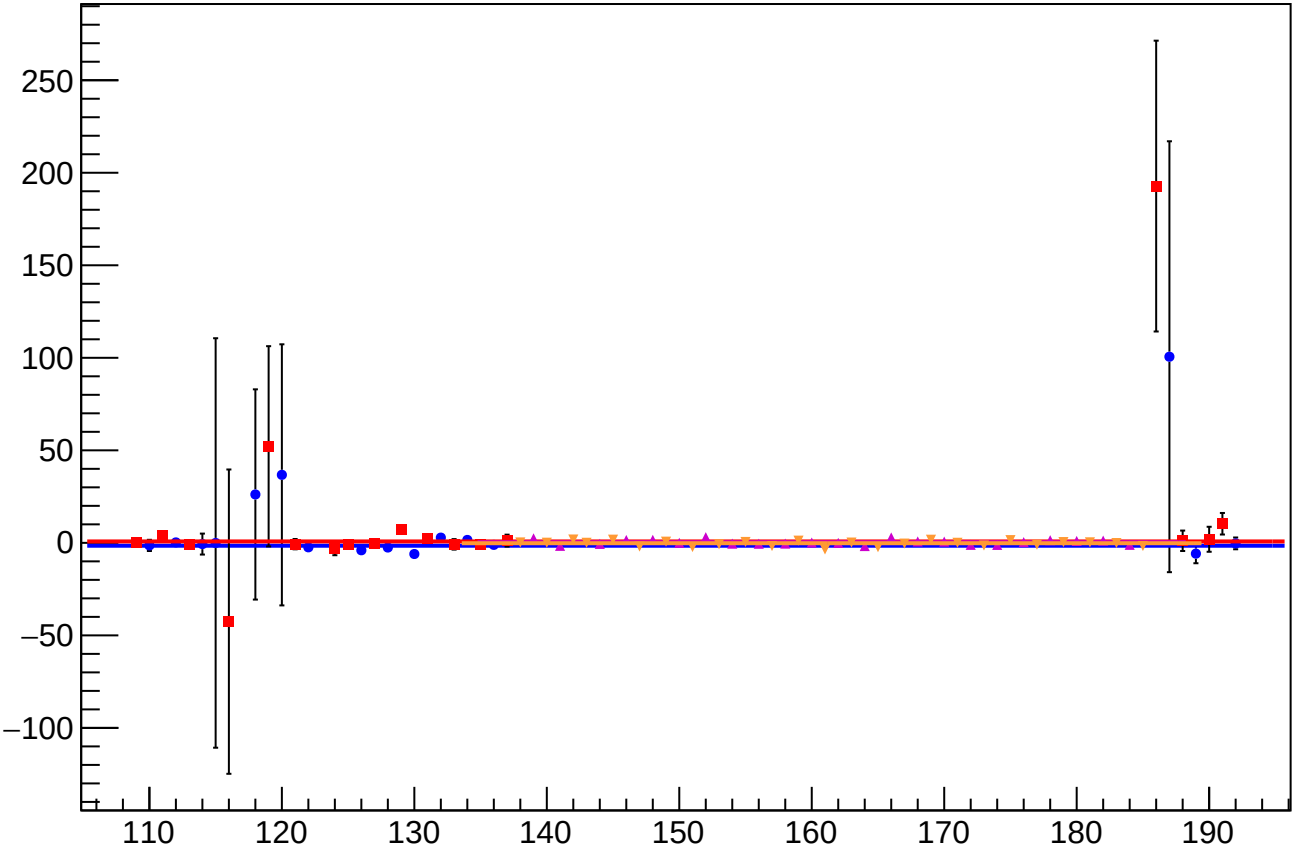
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3835.285+/-0.526 χ^2/NDF: 2706176.2/43

All: 3864.466+/-0.377 χ^2/NDF: 5983806.9/89

- sign 3895.291+/-0.540 χ^2/NDF: 3271294.8/45

diff_bpm1p02bX_mean vs Slug



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

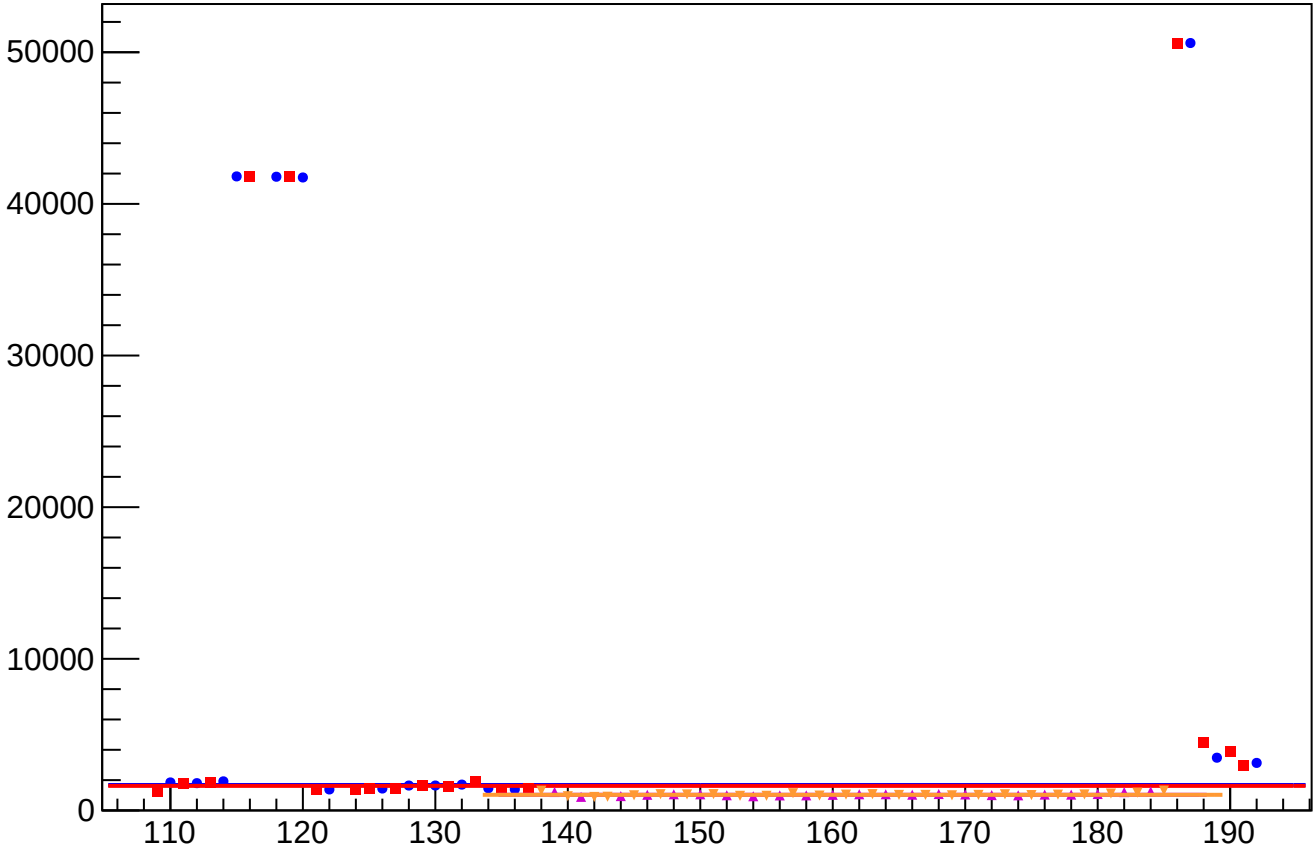
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.336+/-0.223 χ^2/NDF: 49.9/40

All: 0.013+/-0.160 χ^2/NDF: 106.1/81

- sign 0.379+/-0.229 χ^2/NDF: 51.2/40

diff_bpm1p02bX_rms vs Slug



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

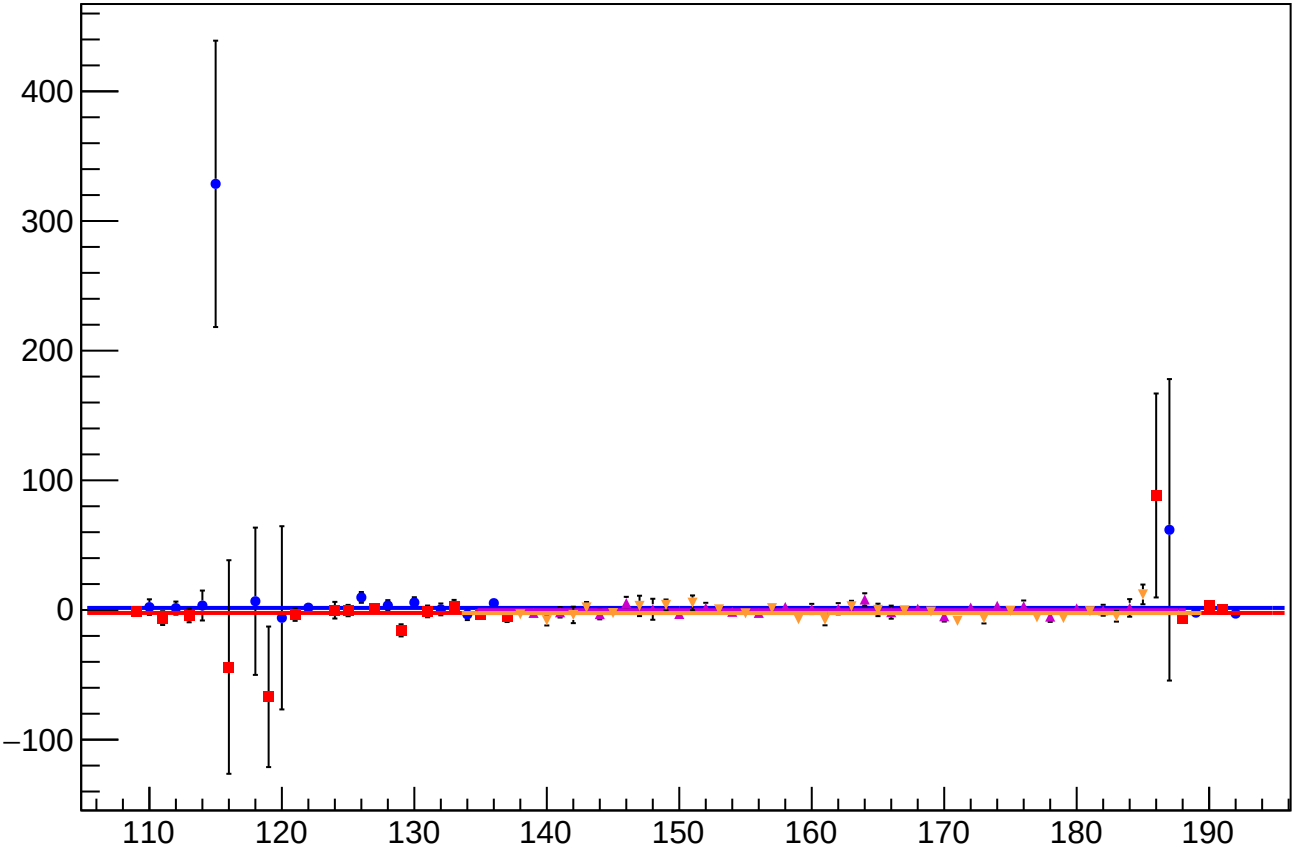
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1096.115+/-0.158 χ^2/NDF: 4833028.8/40

All: 1095.704+/-0.113 χ^2/NDF: 9680343.5/81

- sign 1095.273+/-0.162 χ^2/NDF: 4847300.9/40

diff_bpm1p02bY_mean vs Slug



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

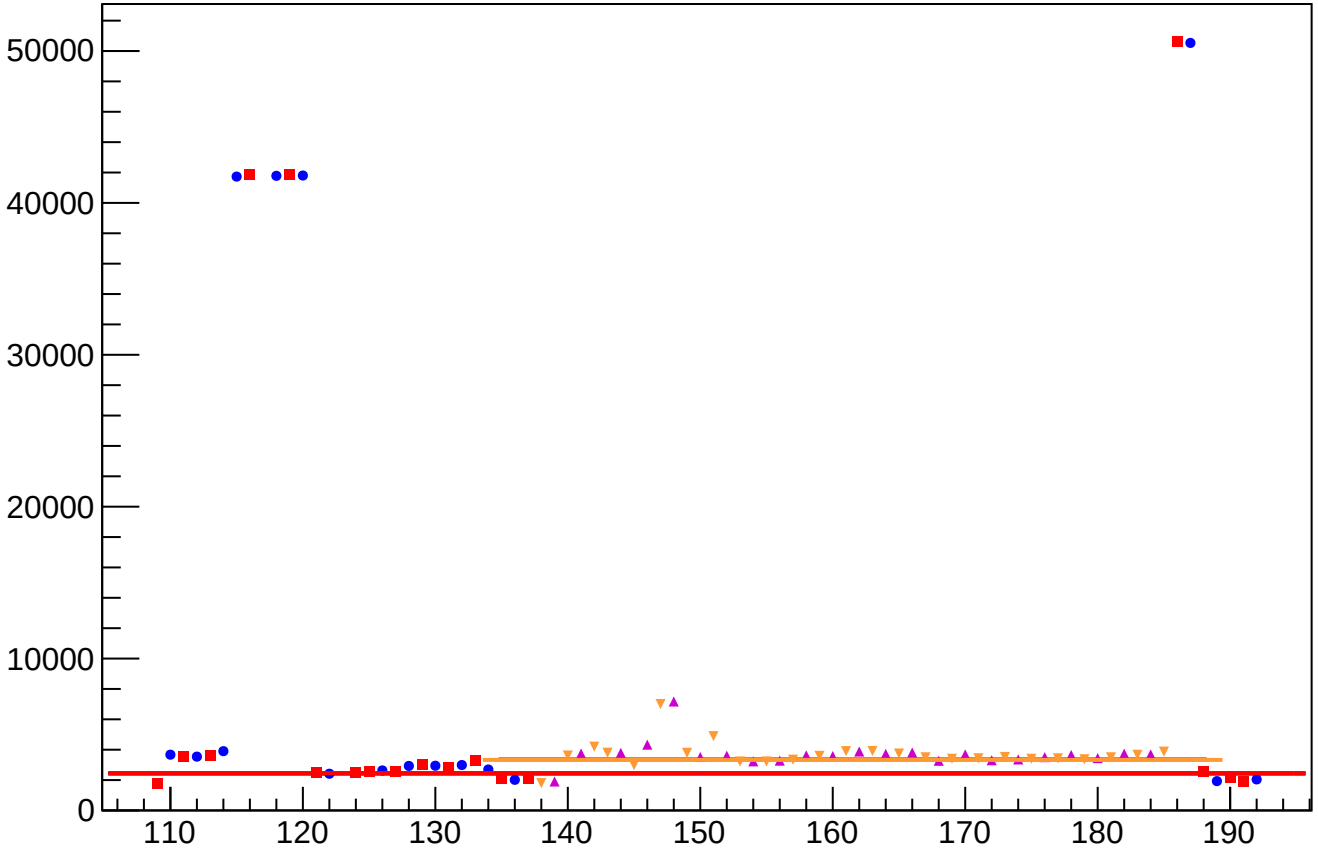
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.890+/-0.618 χ^2/NDF: 58.3/40

All: -0.921+/-0.445 χ^2/NDF: 92.9/81

- sign -0.954+/-0.642 χ^2/NDF: 34.5/40

diff_bpm1p02bY_rms vs Slug



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

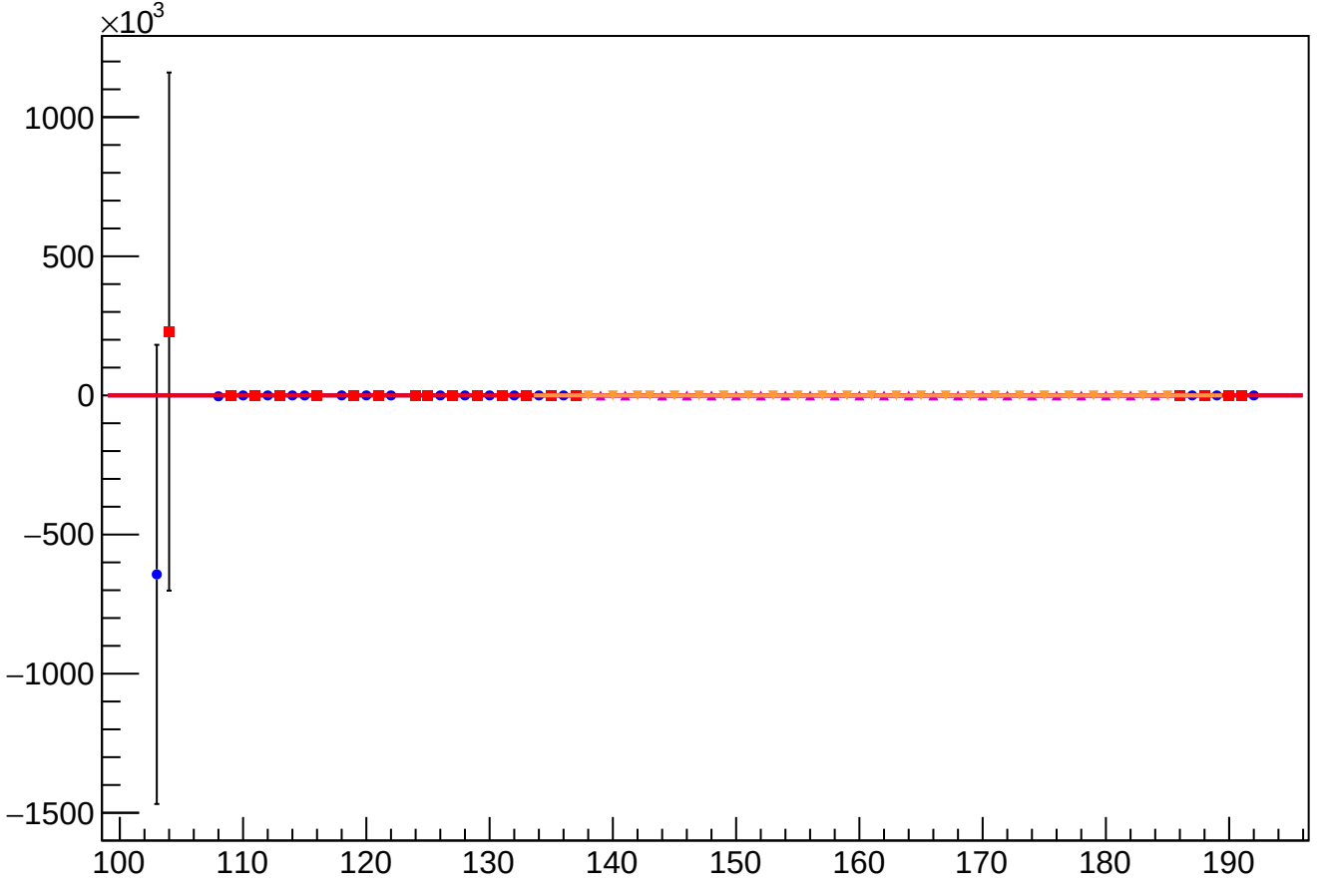
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2989.894+/-0.437 χ^2/NDF: 5609304.5/40

All: 3007.712+/-0.315 χ^2/NDF: 10944318.7/8

- sign 3026.902+/-0.454 χ^2/NDF: 5331565.8/40

diff_bpm1p03aX_mean vs Slug



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

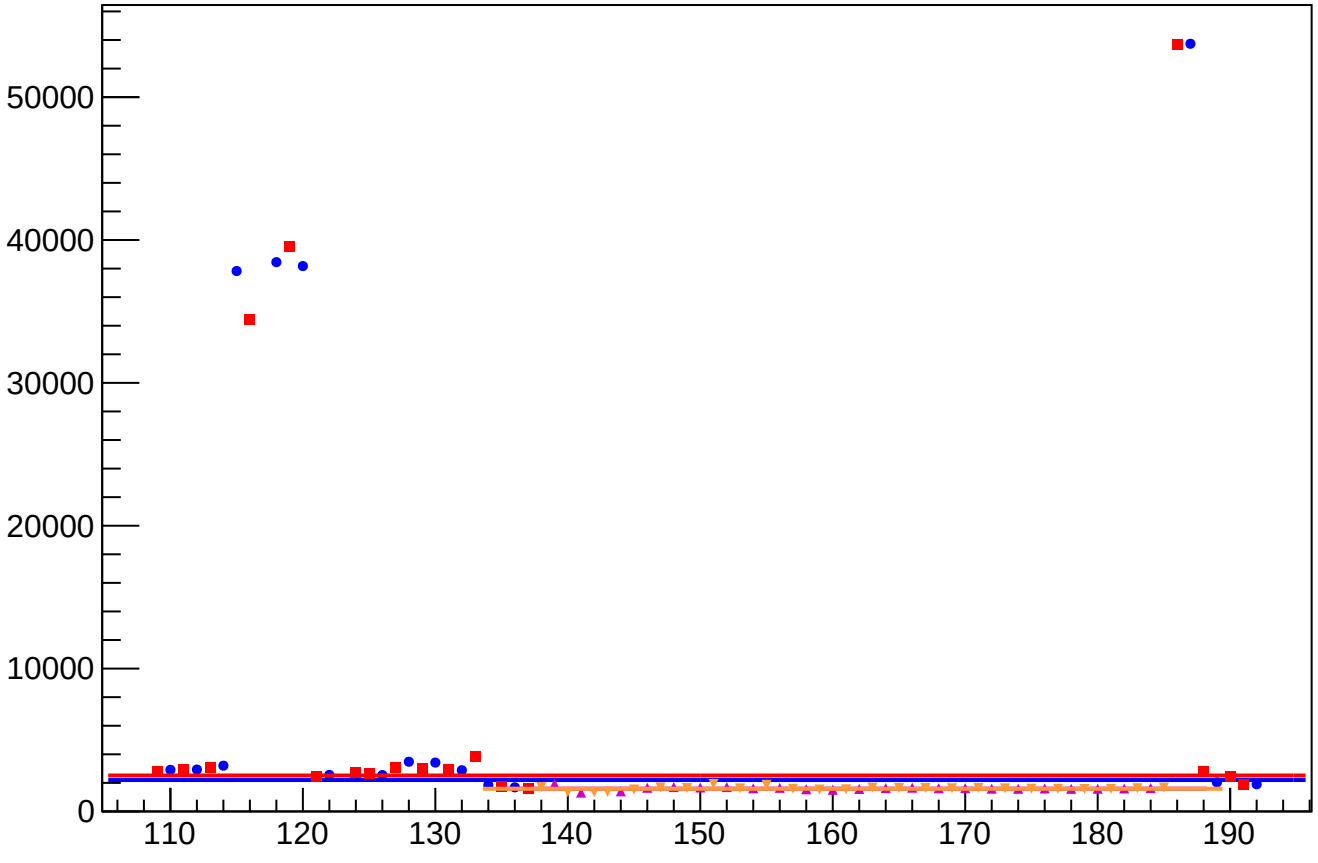
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.530+/-0.338 χ^2/NDF: 69.3/42

All: -0.946+/-0.244 χ^2/NDF: 130.8/84

- sign -0.309+/-0.353 χ^2/NDF: 55.3/41

diff_bpm1p03aX_rms vs Slug



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

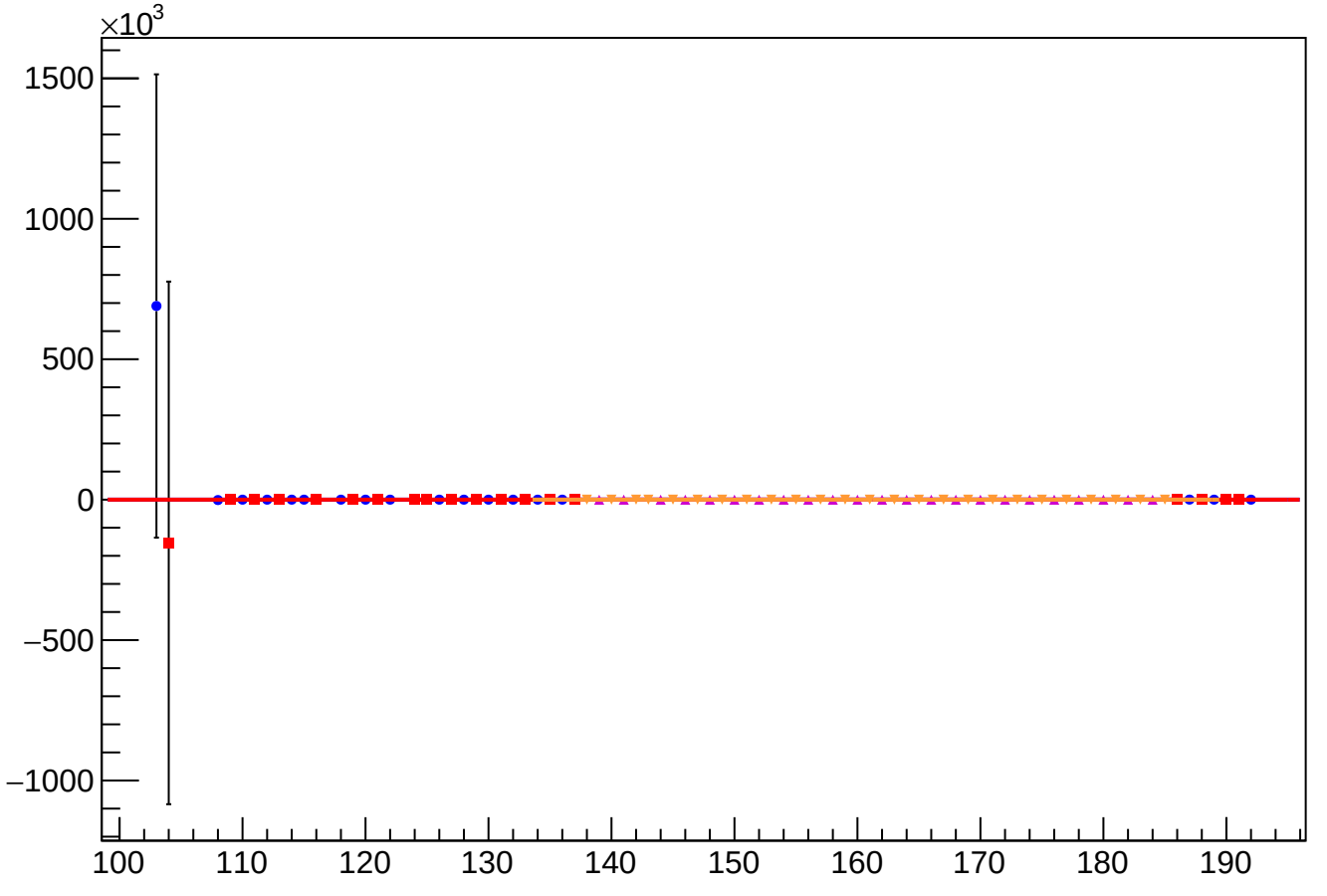
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1670.907+/-0.239 χ^2/NDF: 3873366.3/40

All: 1684.590+/-0.173 χ^2/NDF: 8290506.3/81

- sign 1699.512+/-0.249 χ^2/NDF: 4410282.3/40

diff_bpm1p03aY_mean vs Slug



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

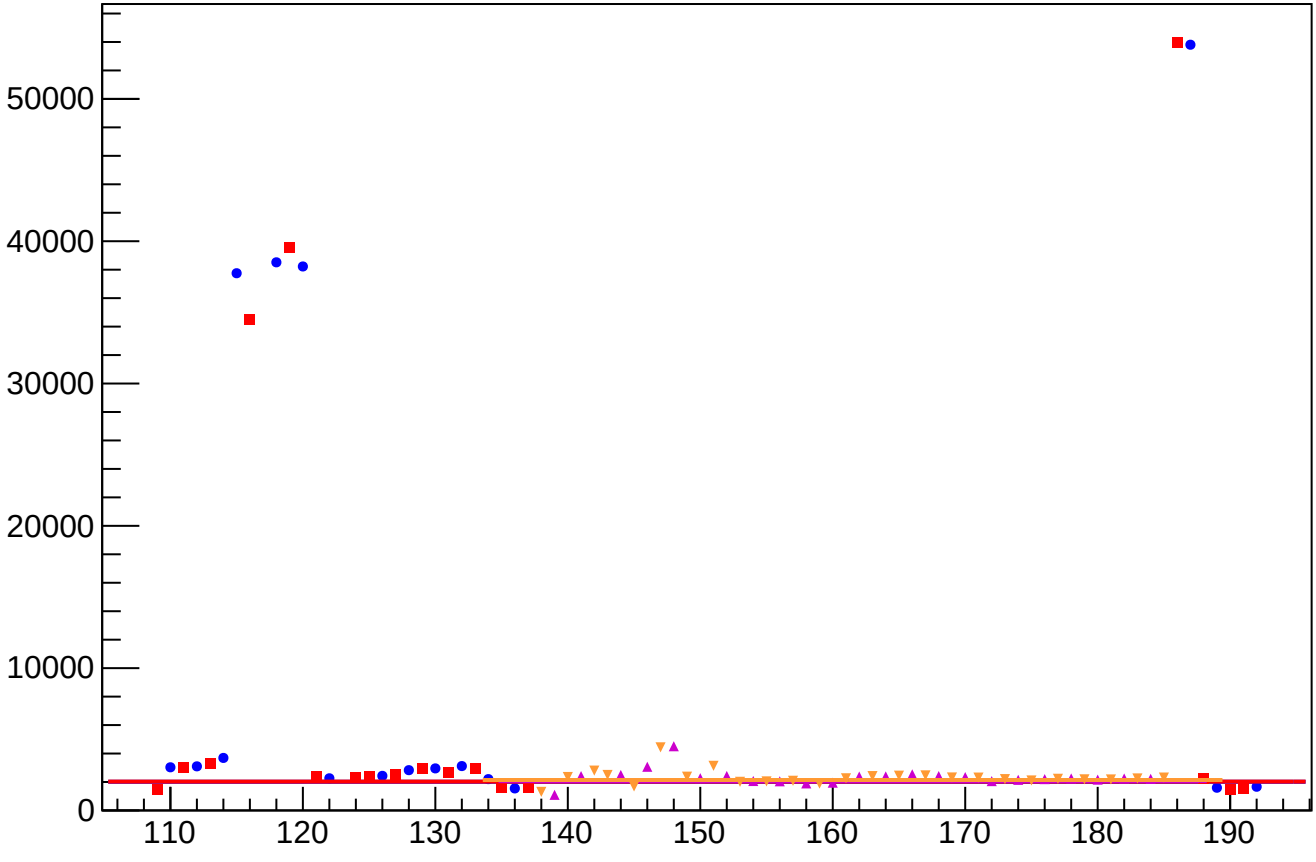
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.747+/-0.433 χ^2/NDF: 39.8/42

All: -0.449+/-0.307 χ^2/NDF: 82.2/84

- sign -0.147+/-0.436 χ^2/NDF: 41.4/41

diff_bpm1p03aY_rms vs Slug



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

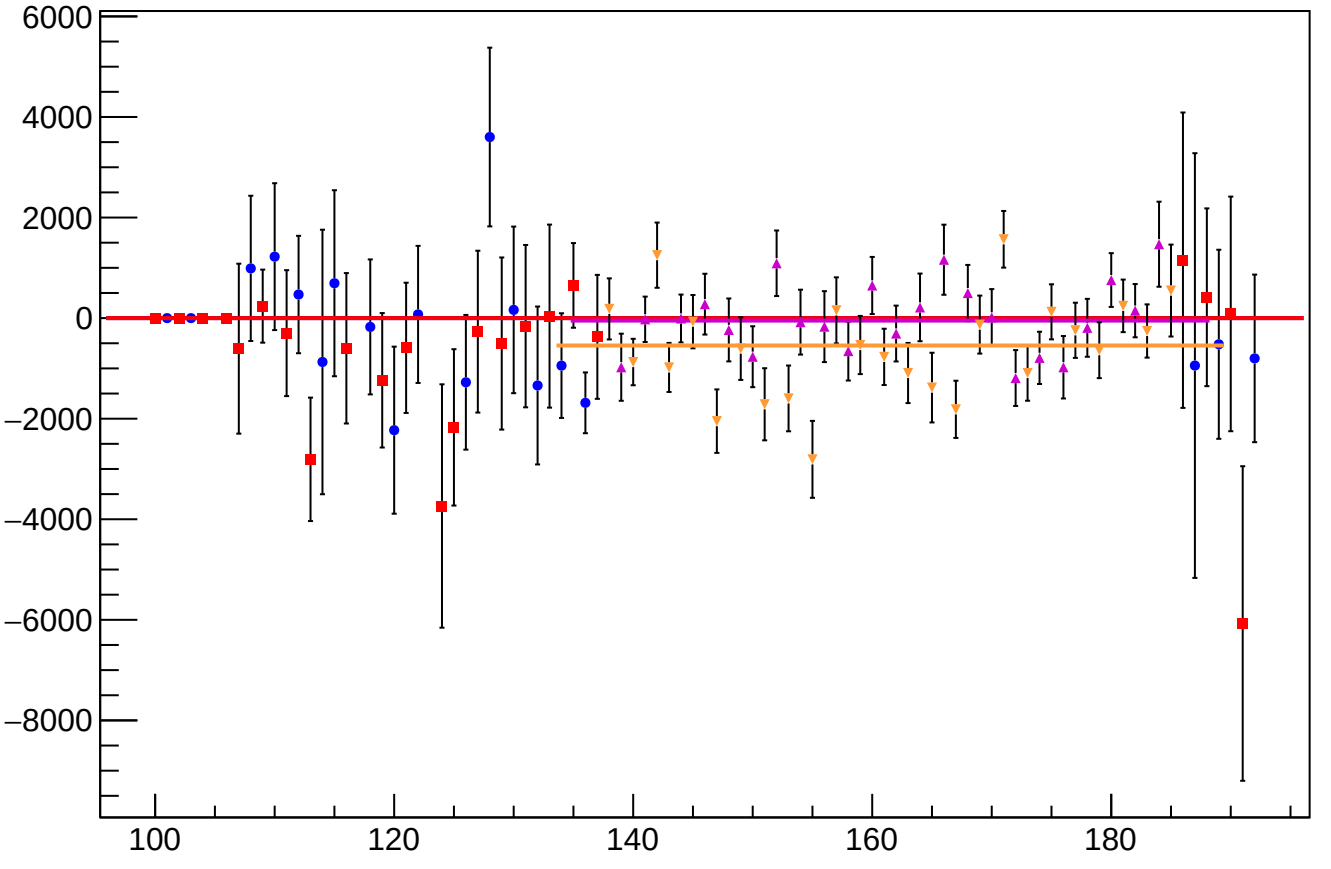
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2107.128+/-0.306 χ^2/NDF: 4601679.4/40

All: 2079.238+/-0.217 χ^2/NDF: 10103669.9/8

- sign 2050.971+/-0.308 χ^2/NDF: 5485295.2/40

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 18.1/18

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

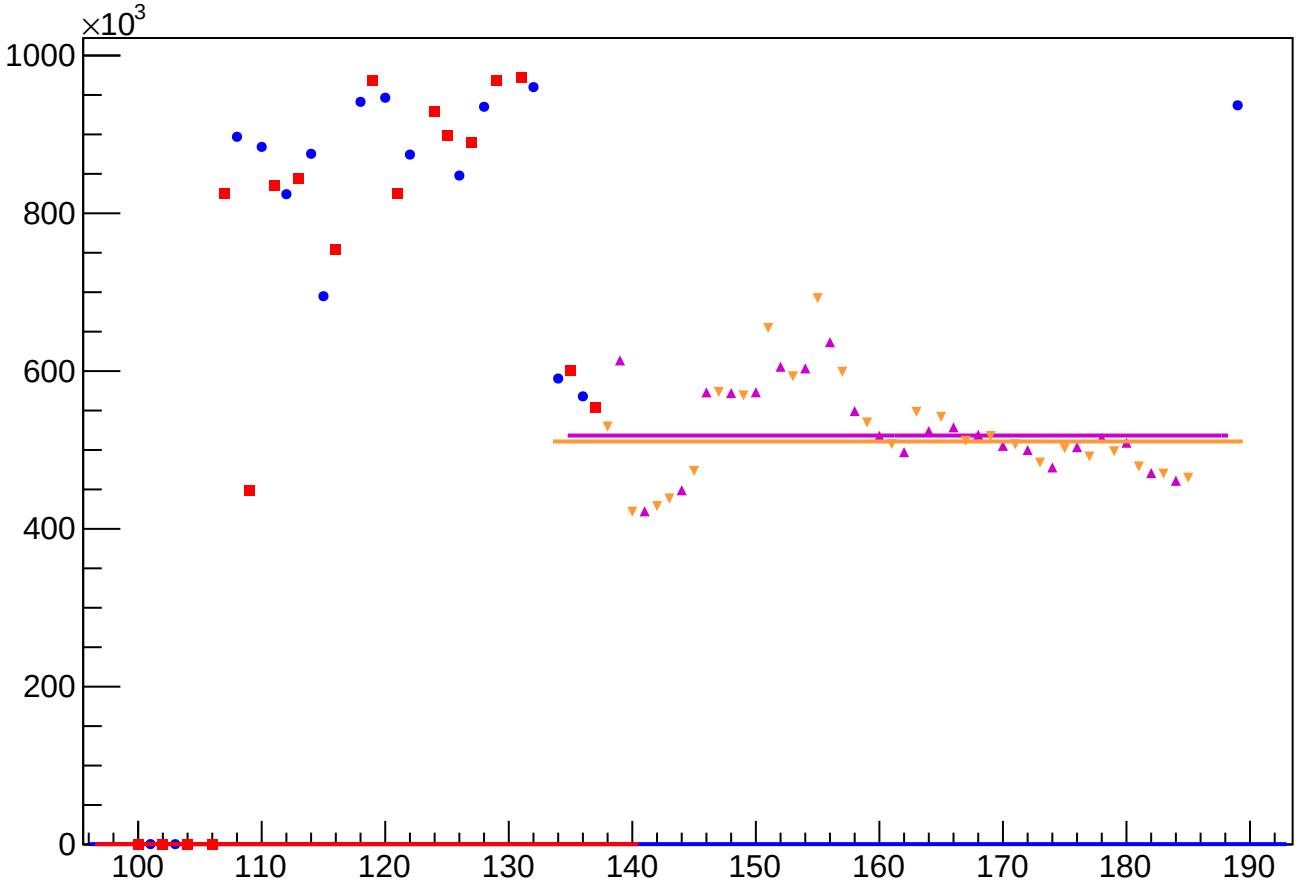
Right Out: 0.096+/-0.328 χ^2/NDF: 19.4/22

Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

\+ sign 0.250+/-0.356 χ^2/NDF: 100.6/43

All: 0.167+/-0.241 χ^2/NDF: 148.2/89

\- sign 0.095+/-0.328 χ^2/NDF: 47.5/45



Right In: 398.894+/-0.251 χ^2/NDF: 8685185.3/15

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

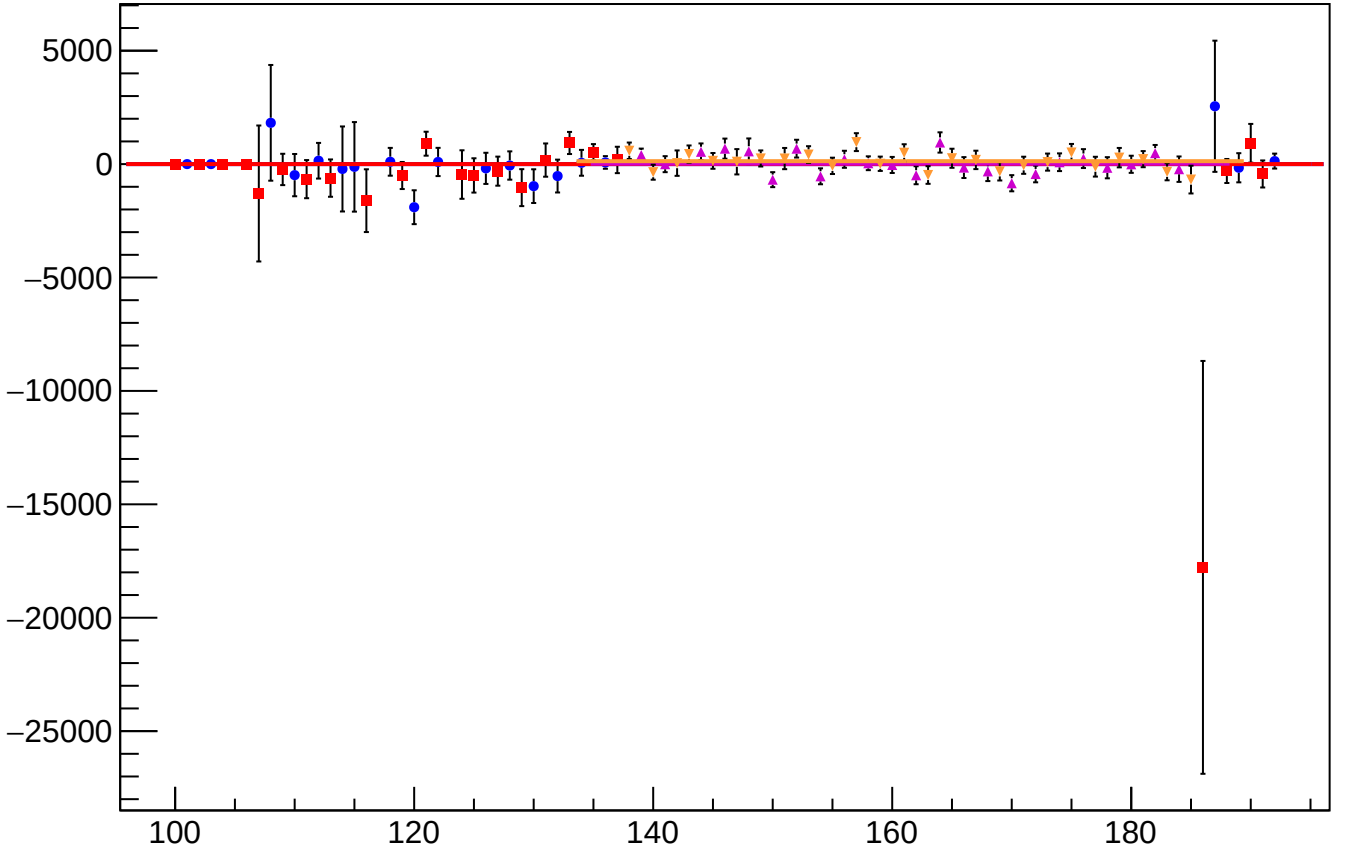
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.598+/-0.251 χ^2/NDF: 47157011.5/40

All: 400.021+/-0.170 χ^2/NDF: 91289762.7/81

- sign 396.983+/-0.232 χ^2/NDF: 44132377.0/40

diff_cav4bY_mean vs Slug



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

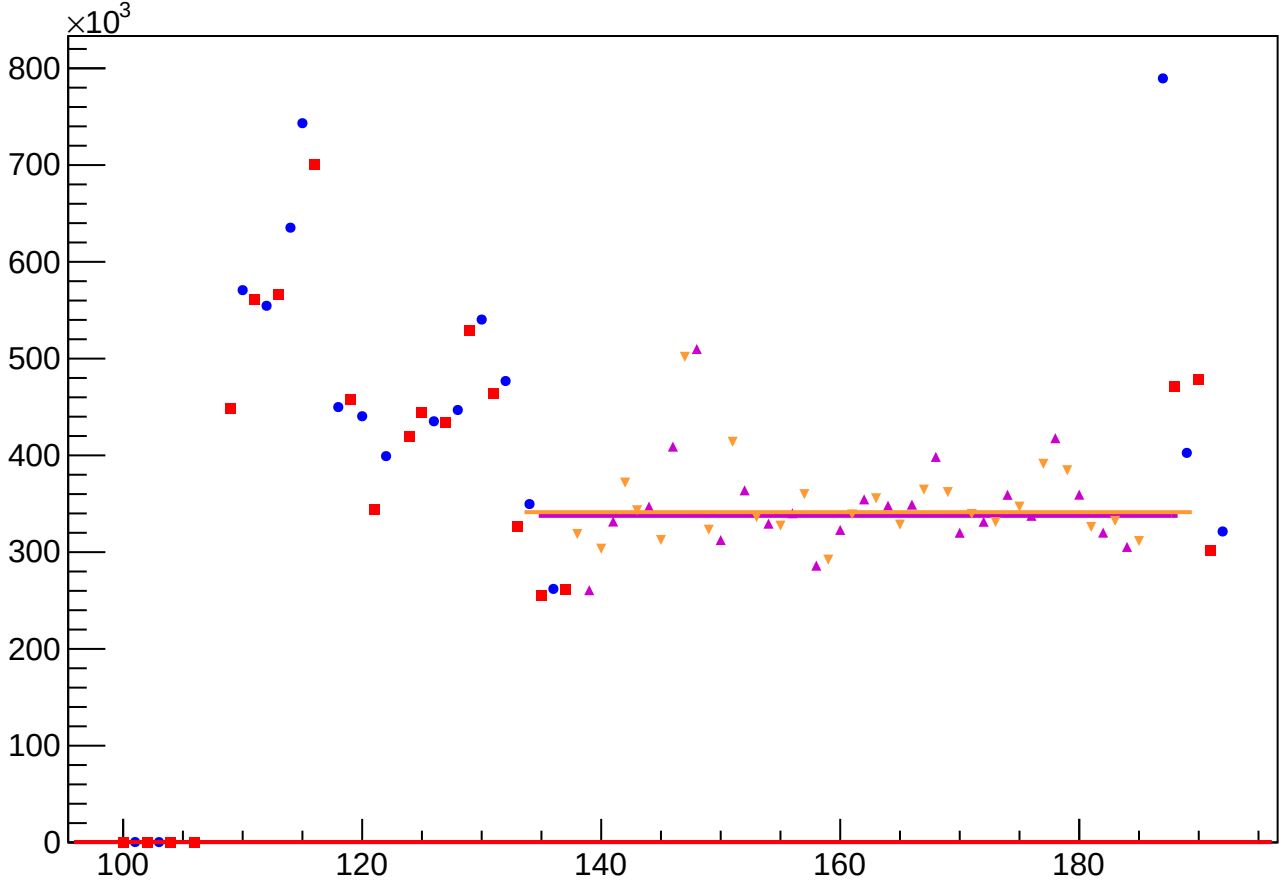
Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.018+/-0.347 χ^2/NDF: 34.3/43

All: 0.312+/-0.237 χ^2/NDF: 90.6/89

- sign 0.599+/-0.324 χ^2/NDF: 54.6/45

diff_cav4bY_rms vs Slug



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

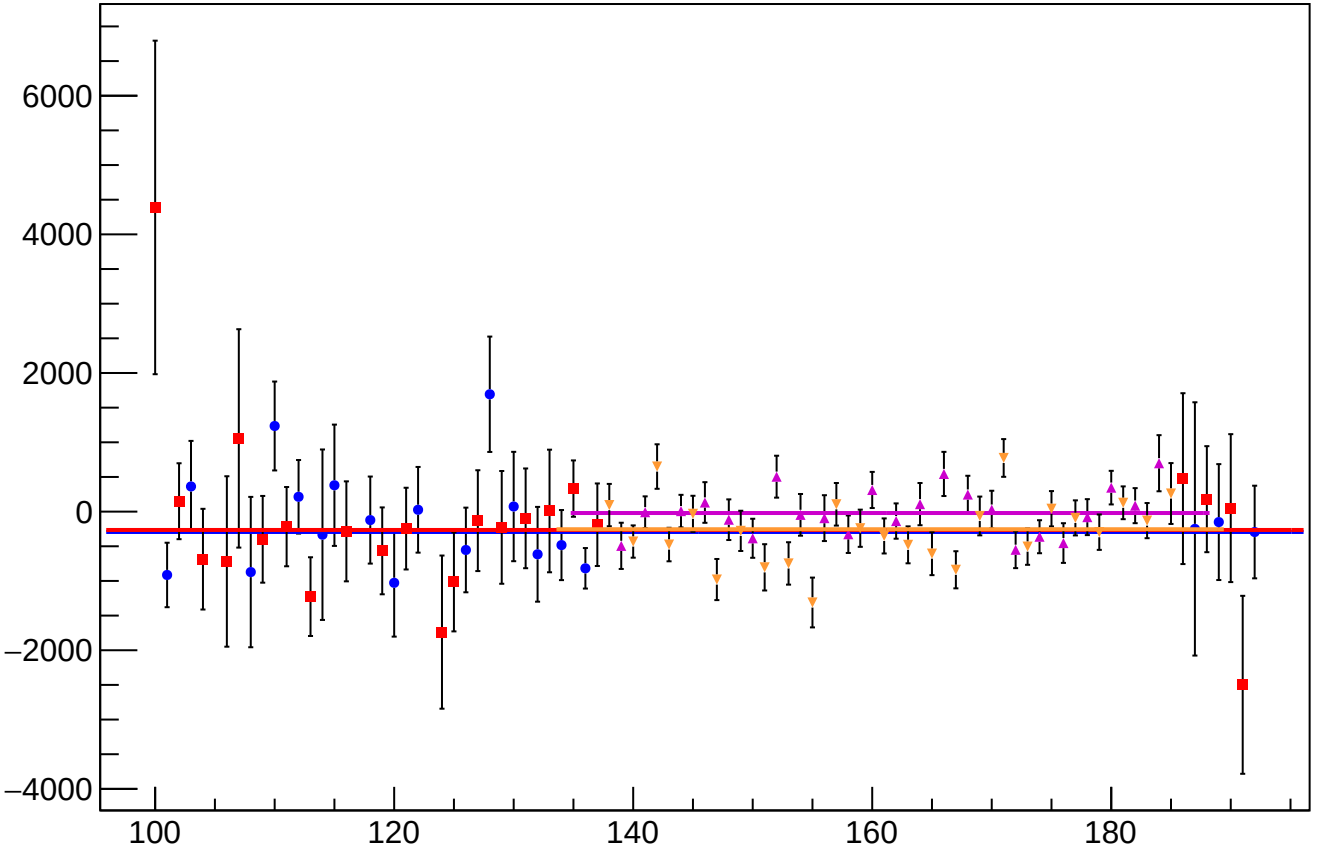
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 397.457+/-0.245 χ^2/NDF: 52193958.4/42

All: 395.538+/-0.167 χ^2/NDF: 102262398.4/8

- sign 393.868+/-0.229 χ^2/NDF: 50068325.6/43

diff_cav4cX_mean vs Slug



Right In: -293.580+/-141.399 χ^2/NDF: 21.2/18

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

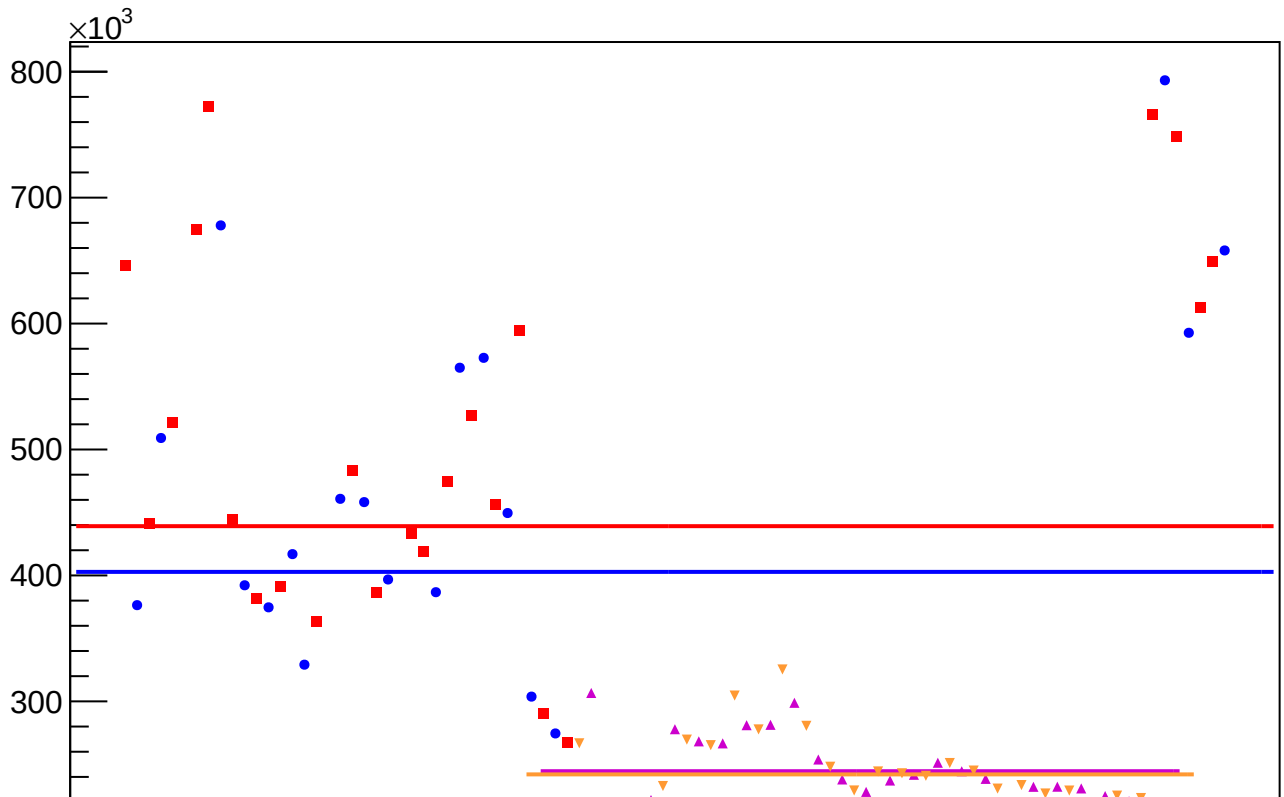
Right Out: -264.765+/-149.673 χ^2/NDF: 17.7/22

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -259.592+/-51.596 χ^2/NDF: 82.6/43

All: -159.684+/-37.193 χ^2/NDF: 139.0/89

- sign -51.616+/-53.662 χ^2/NDF: 48.6/45



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

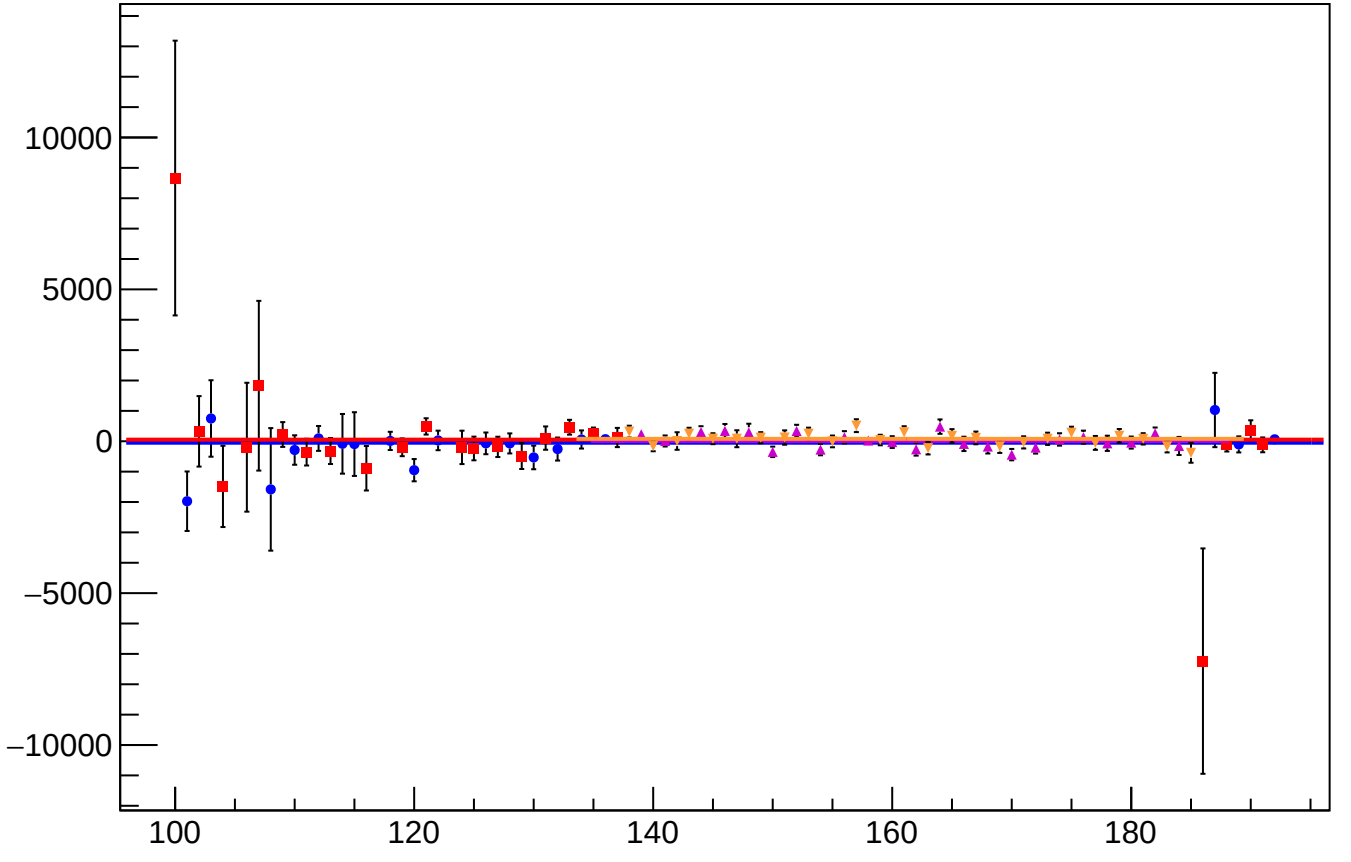
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 263414.260+/-36.485 χ^2/NDF: 4017546.7/43

All: 266347.567+/-26.301 χ^2/NDF: 8708440.8

- sign 269520.958+/-37.949 χ^2/NDF: 4677437.4/45

diff_cav4cY_mean vs Slug



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

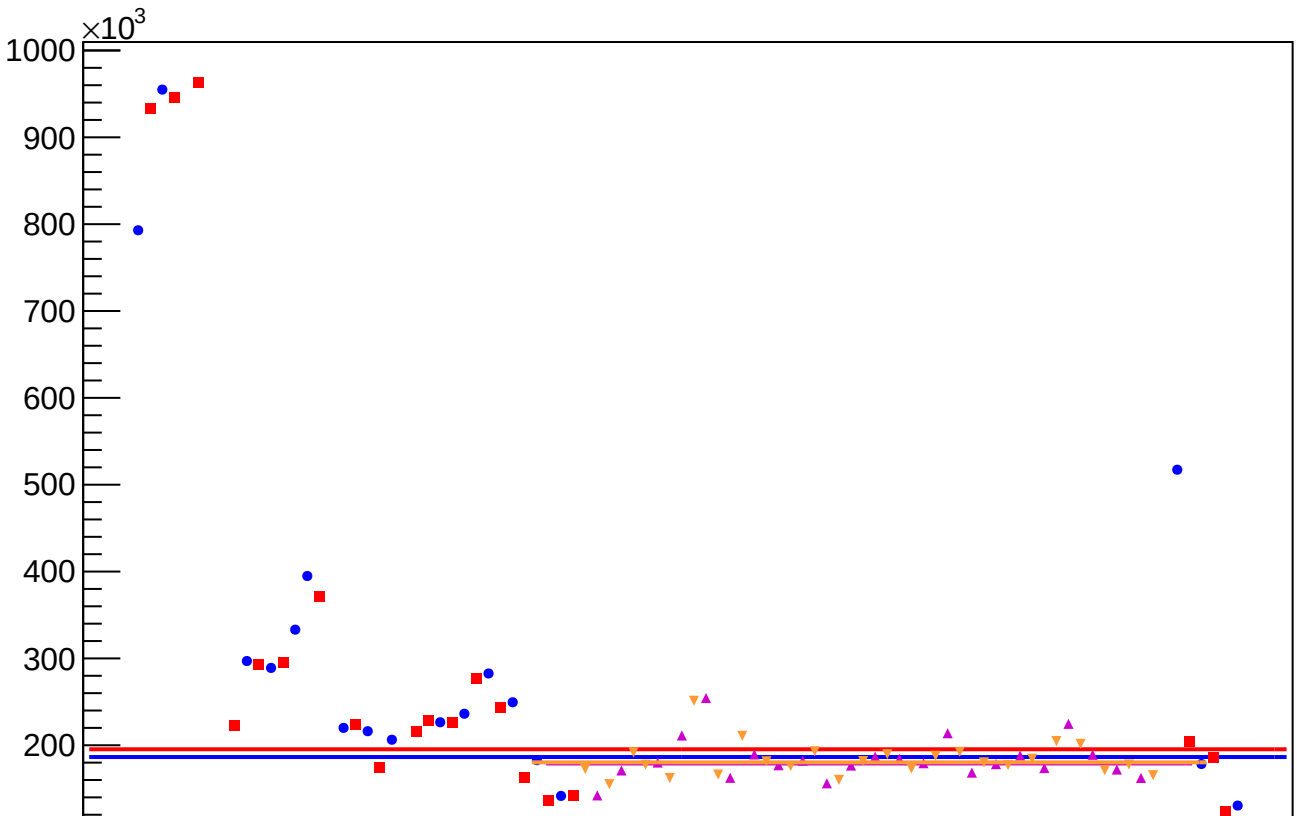
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 47.260+/-35.687 χ^2/NDF: 37.7/43

All: 35.654+/-25.620 χ^2/NDF: 96.3/89

- sign 23.310+/-36.804 χ^2/NDF: 58.4/45

diff_cav4cY_rms vs Slug



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

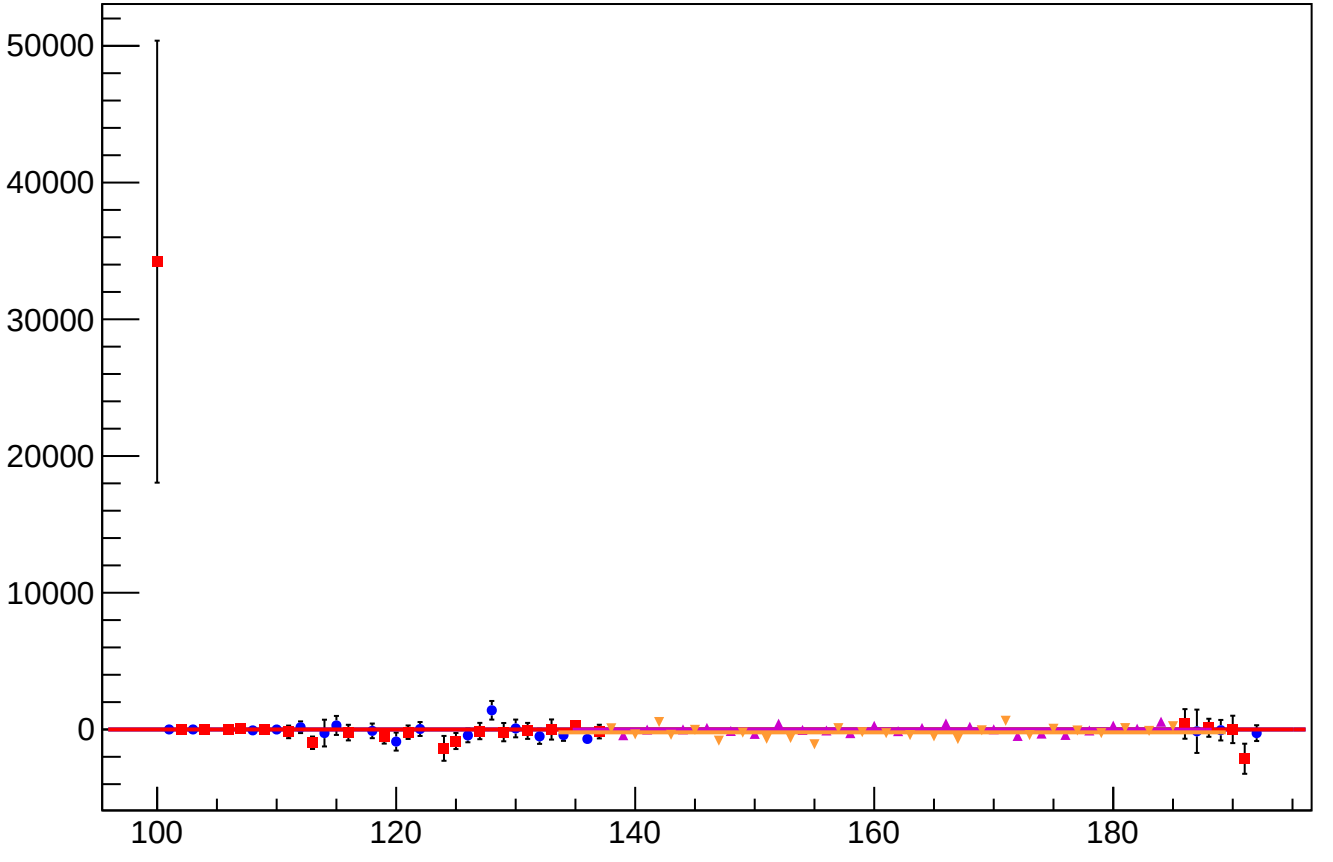
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 181886.250+/-25.242 χ^2/NDF: 2954438.0/42

All: 182400.472+/-18.123 χ^2/NDF: 5795685.

- sign 182947.614+/-26.037 χ^2/NDF: 2840390.9/42

diff_cav4dX_mean vs Slug



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

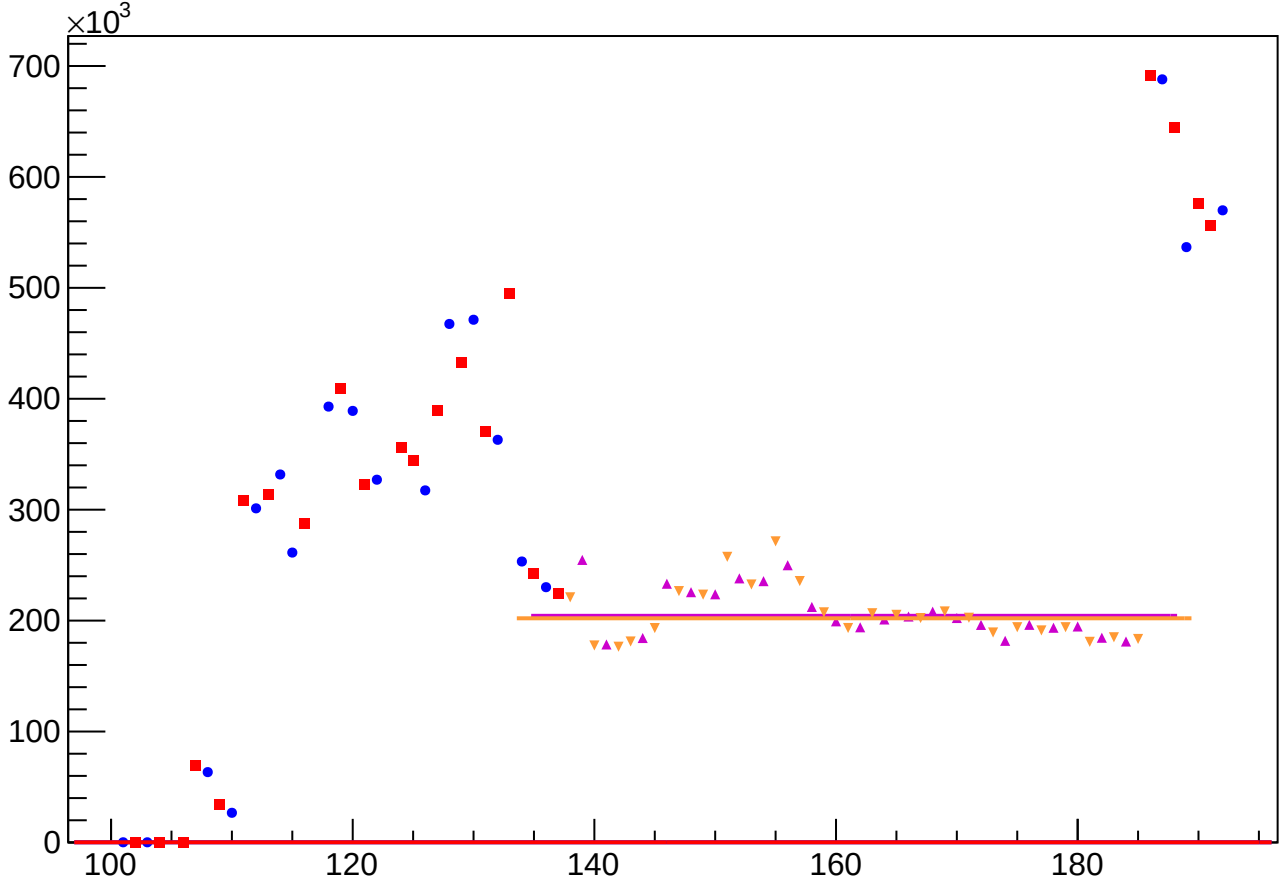
Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 100.2/43

All: -0.208+/-0.117 χ^2/NDF: 151.2/89

- sign -0.355+/-0.160 χ^2/NDF: 49.2/45

diff_cav4dX_rms vs Slug



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

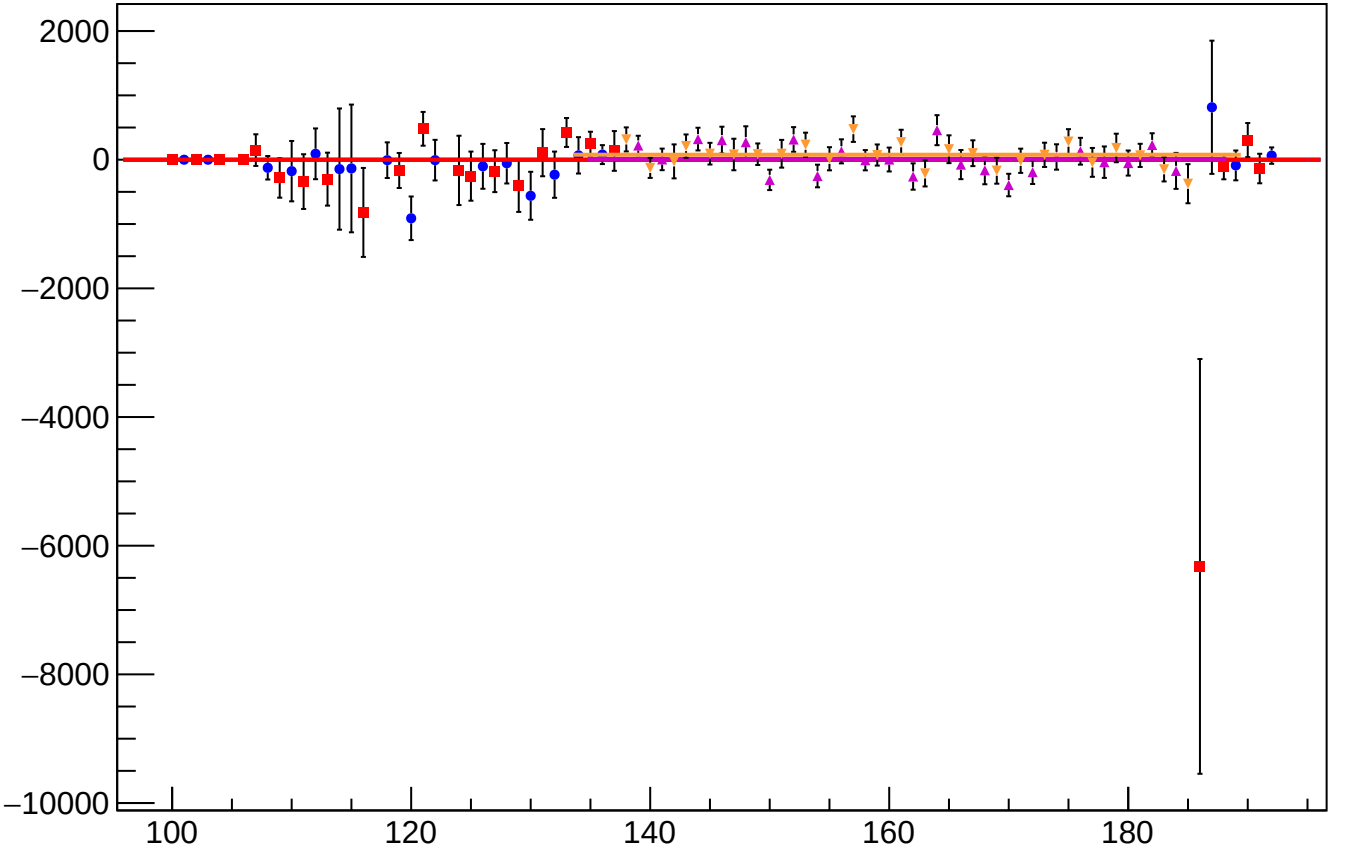
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 151.975+/-0.122 χ^2/NDF: 53134595.0/43

All: 151.842+/-0.083 χ^2/NDF: 104824729.3/8

- sign 151.727+/-0.113 χ^2/NDF: 51690132.0/44

diff_cav4dY_mean vs Slug



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

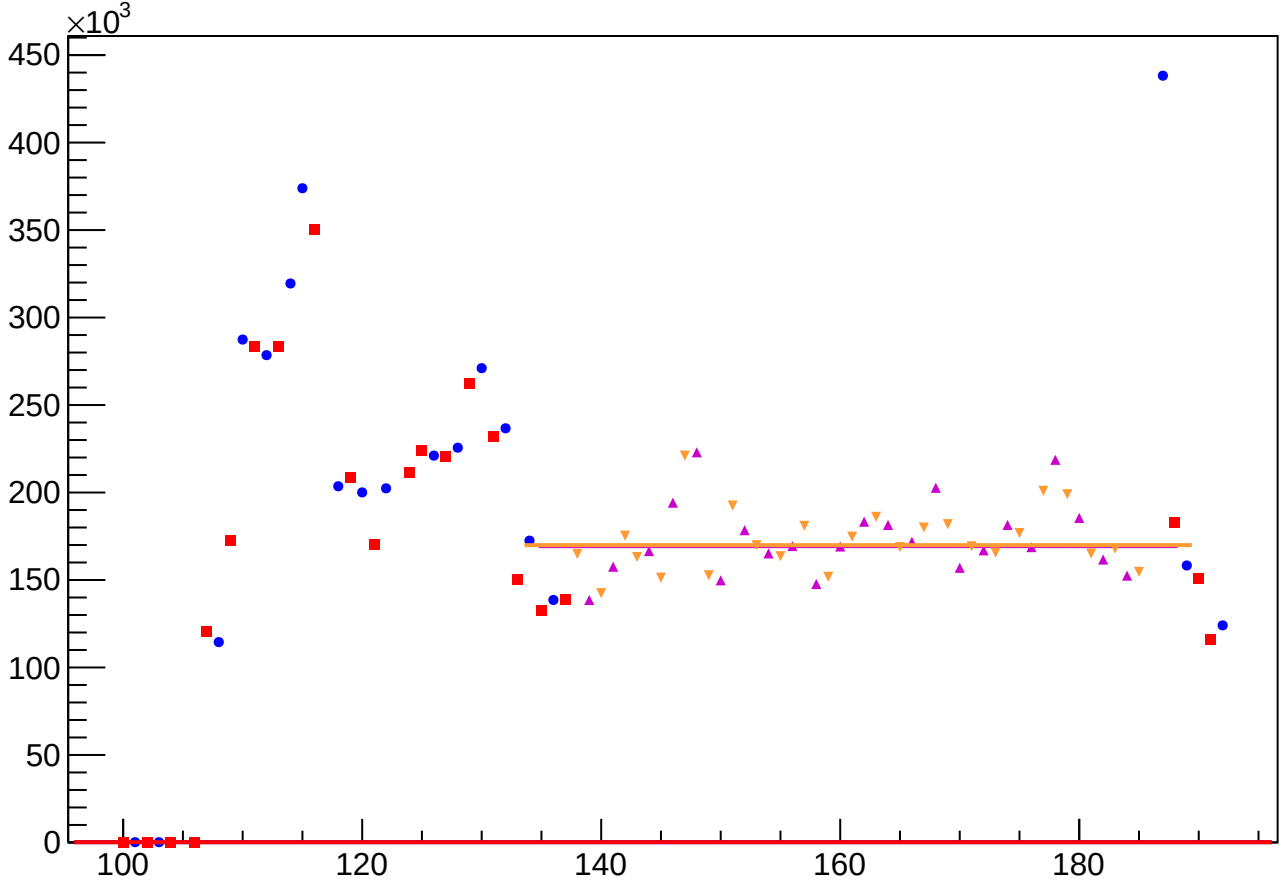
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.066+/-0.177 χ^2/NDF: 35.3/43

All: 0.036+/-0.121 χ^2/NDF: 89.8/89

- sign 0.126+/-0.166 χ^2/NDF: 53.9/45

diff_cav4dY_rms vs Slug



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

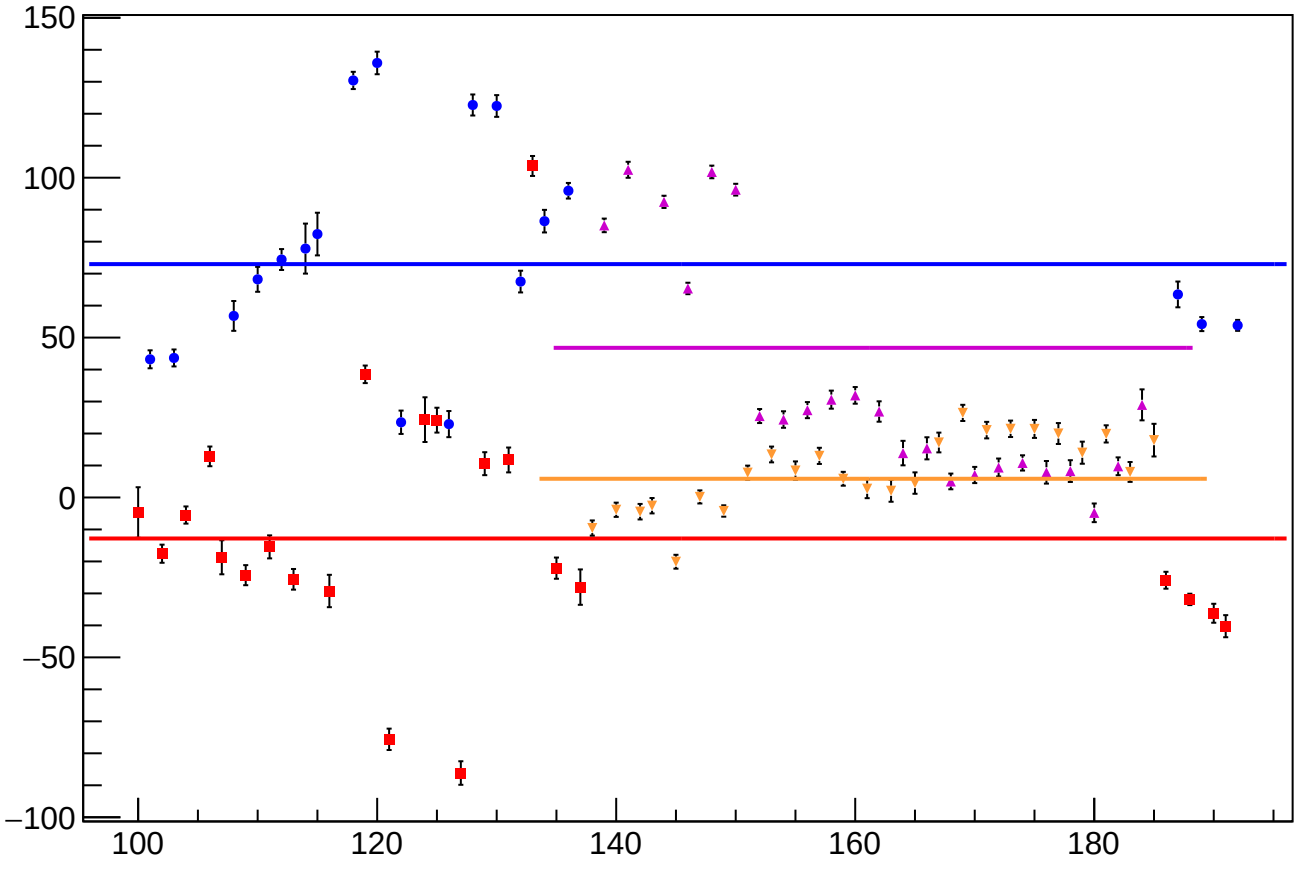
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 157.326+/-0.125 χ^2/NDF: 53500812.9/43

All: 158.402+/-0.086 χ^2/NDF: 104119716.2/8

- sign 159.352+/-0.118 χ^2/NDF: 50618764.4/44

diff_bpm0i01X_mean vs Slug



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

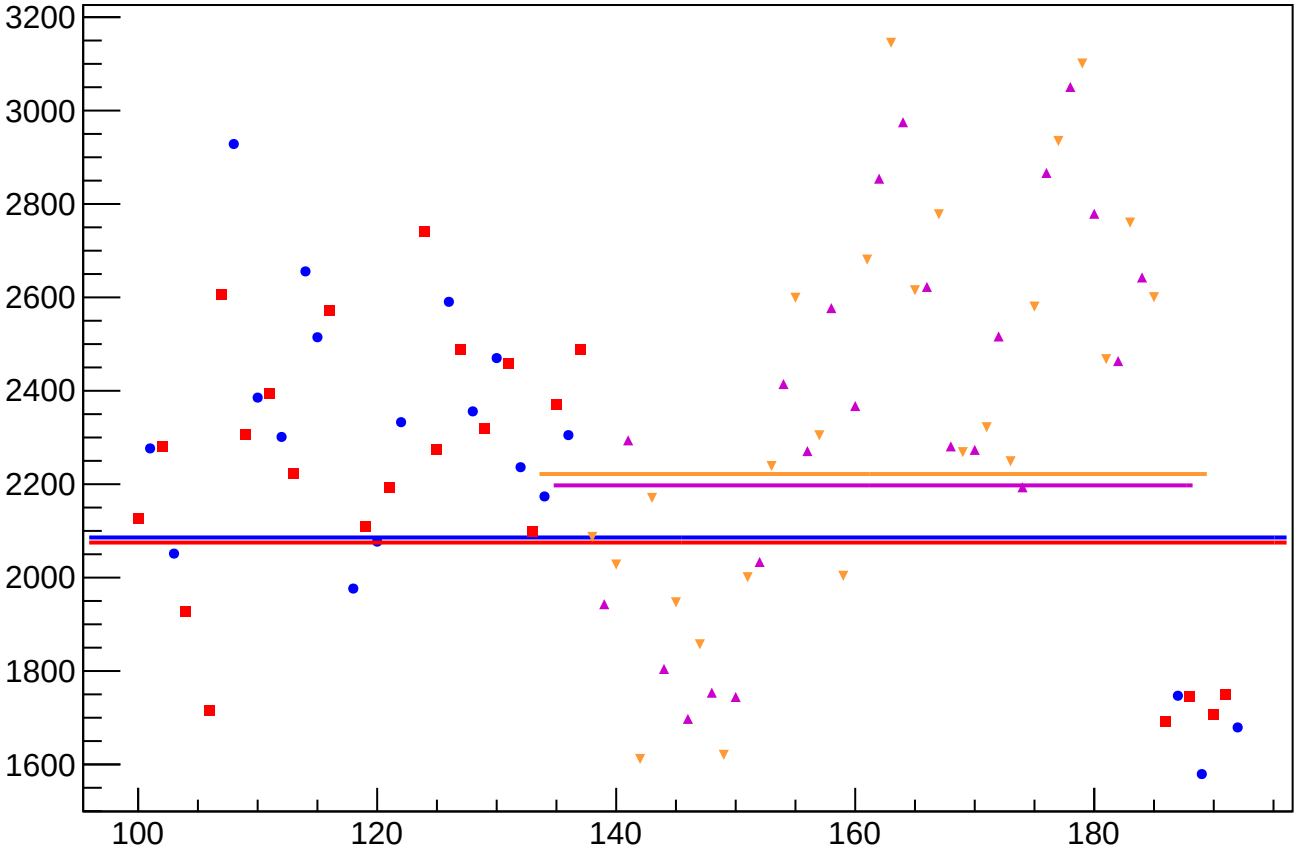
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

+ sign 28.977+/-0.416 χ^2/NDF: 8516.3/43

All: 26.828+/-0.294 χ^2/NDF: 21633.4/89

- sign 24.680+/-0.416 χ^2/NDF: 13063.8/45

diff_bpm0i01X_rms vs Slug



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

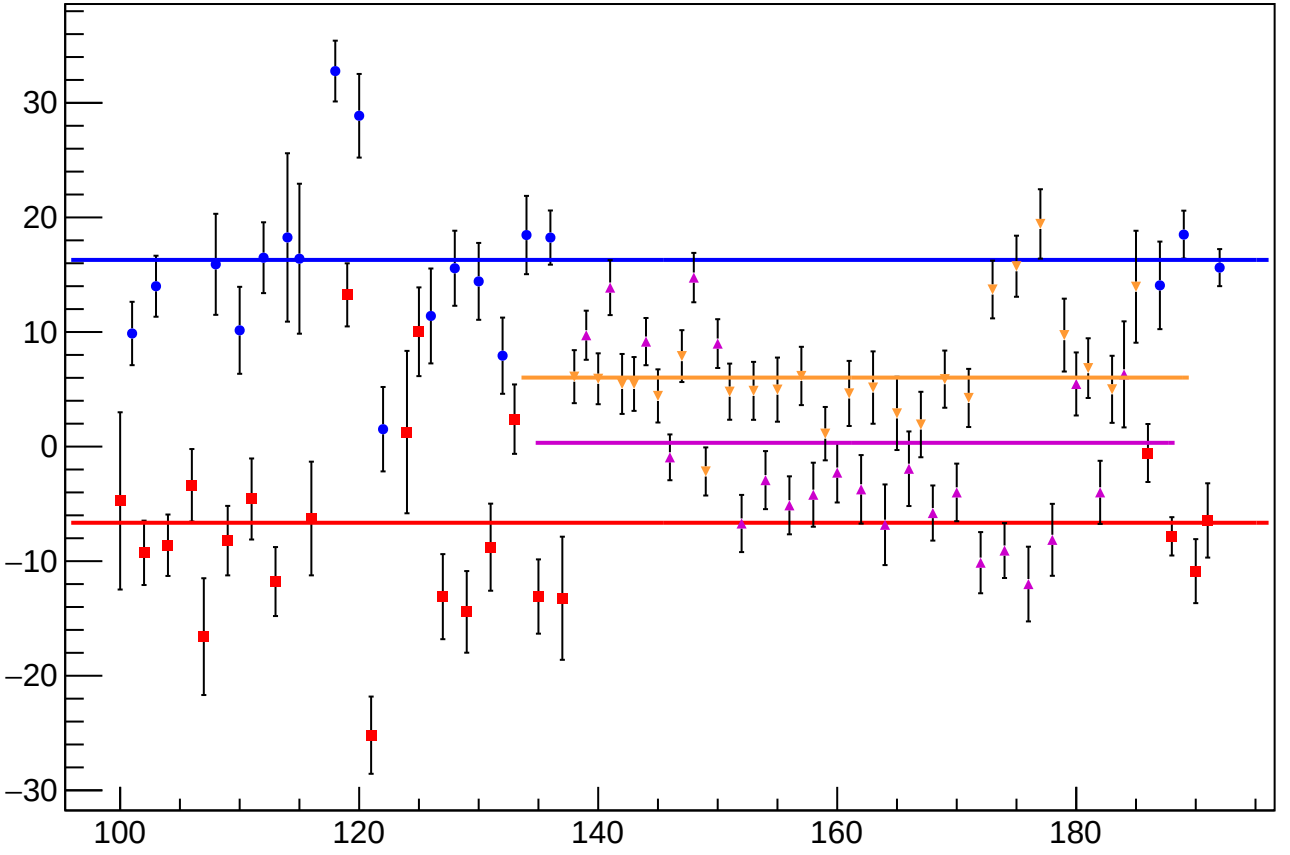
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2174.972+/-0.294 χ^2/NDF: 1683056.9/43

All: 2163.519+/-0.208 χ^2/NDF: 3211961.8/89

- sign 2152.073+/-0.294 χ^2/NDF: 1525875.7/45

diff_bpm0i01Y_mean vs Slug



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

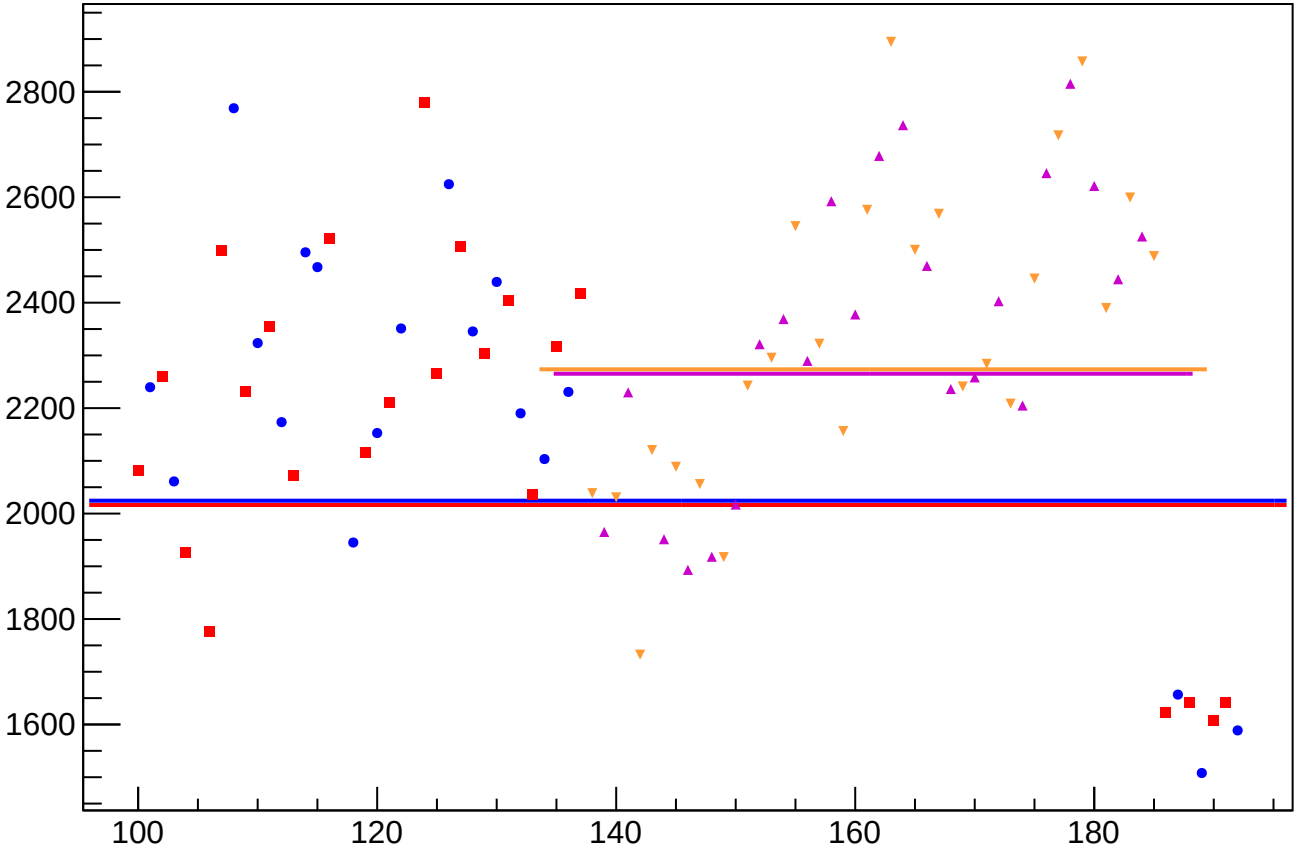
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 9.755+/-0.416 χ^2/NDF: 299.3/43

All: 3.687+/-0.294 χ^2/NDF: 1161.8/89

- sign -2.412+/-0.417 χ^2/NDF: 434.9/45

diff_bpm0i01Y_rms vs Slug



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

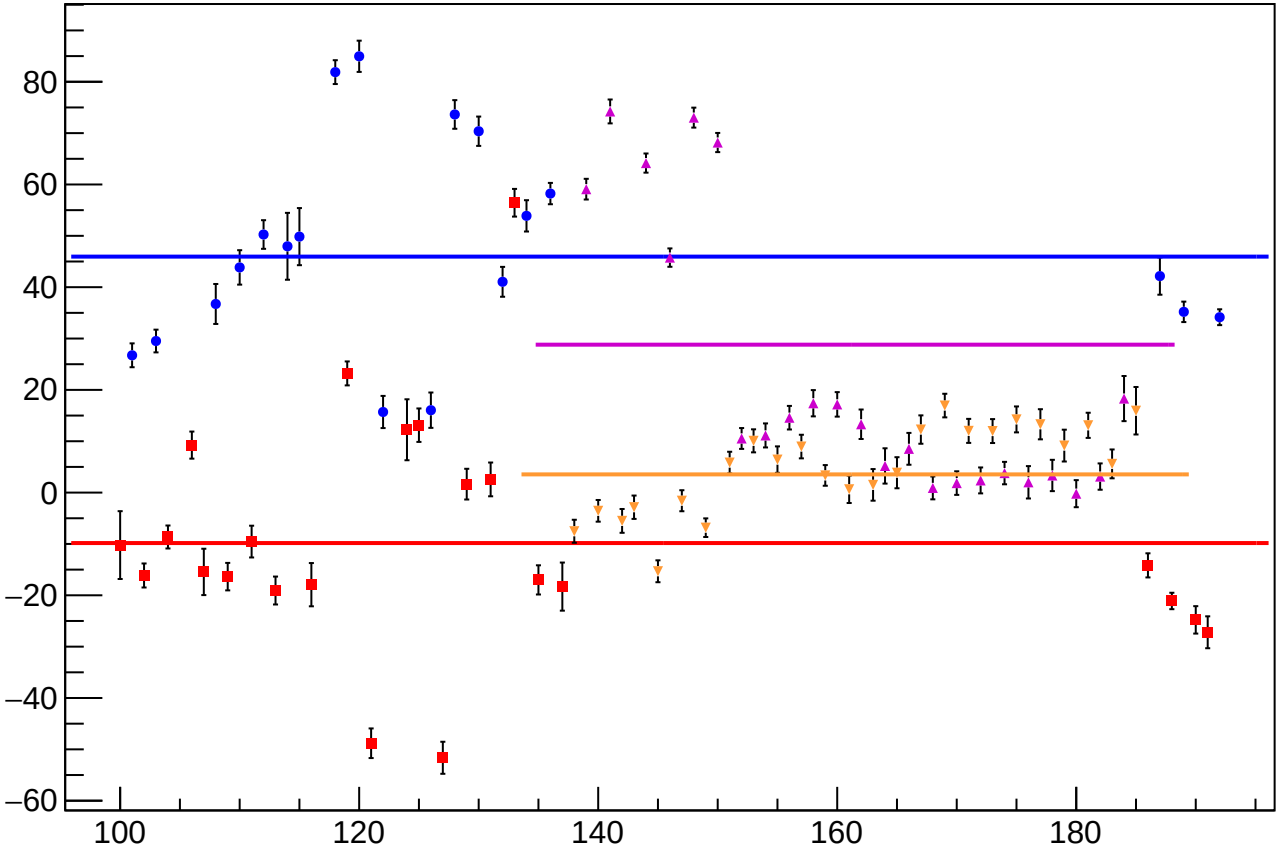
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2183.054+/-0.294 χ^2/NDF: 1225902.2/43

All: 2175.273+/-0.208 χ^2/NDF: 2346575.6/89

- sign 2167.452+/-0.295 χ^2/NDF: 1119267.1/45

diff_bpm0i01aX_mean vs Slug



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

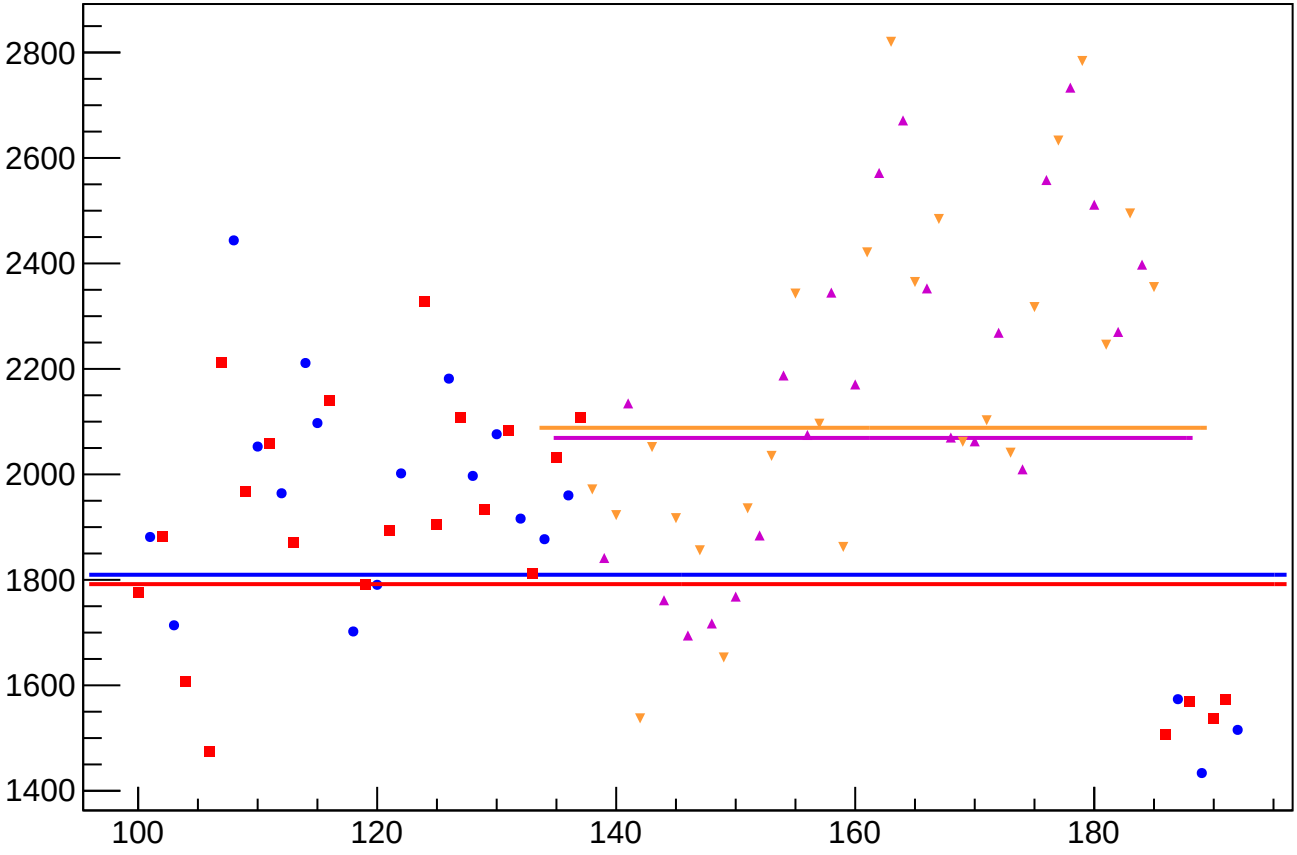
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

+ sign 19.692+/-0.378 χ^2/NDF: 4299.0/43

All: 16.309+/-0.267 χ^2/NDF: 11731.5/89

- sign 12.945+/-0.377 χ^2/NDF: 7272.7/45

diff_bpm0i01aX_rms vs Slug



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

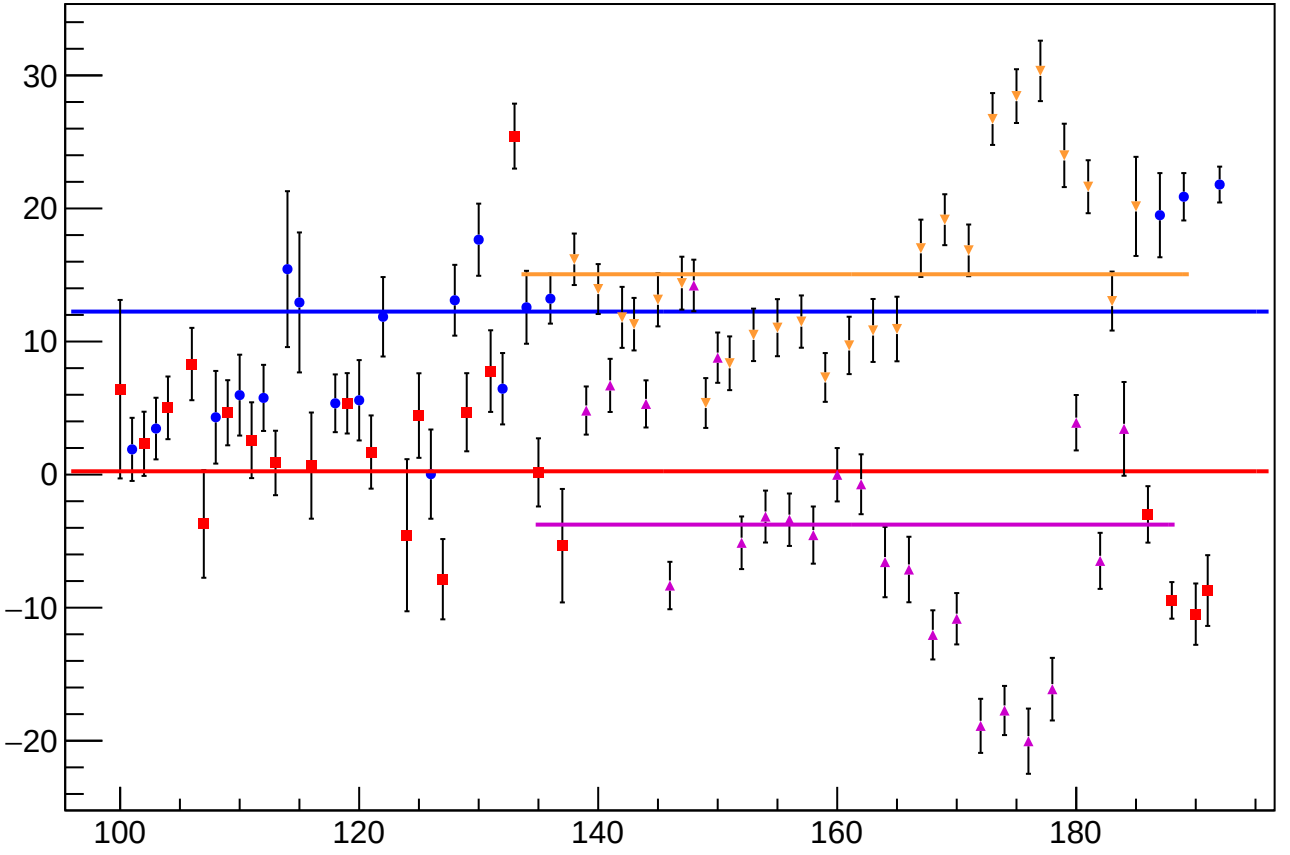
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1982.243+/-0.267 χ^2/NDF: 1360517.0/43

All: 1968.735+/-0.189 χ^2/NDF: 2622879.4/89

- sign 1955.304+/-0.266 χ^2/NDF: 1257267.4/45

diff_bpm0i01aY_mean vs Slug



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

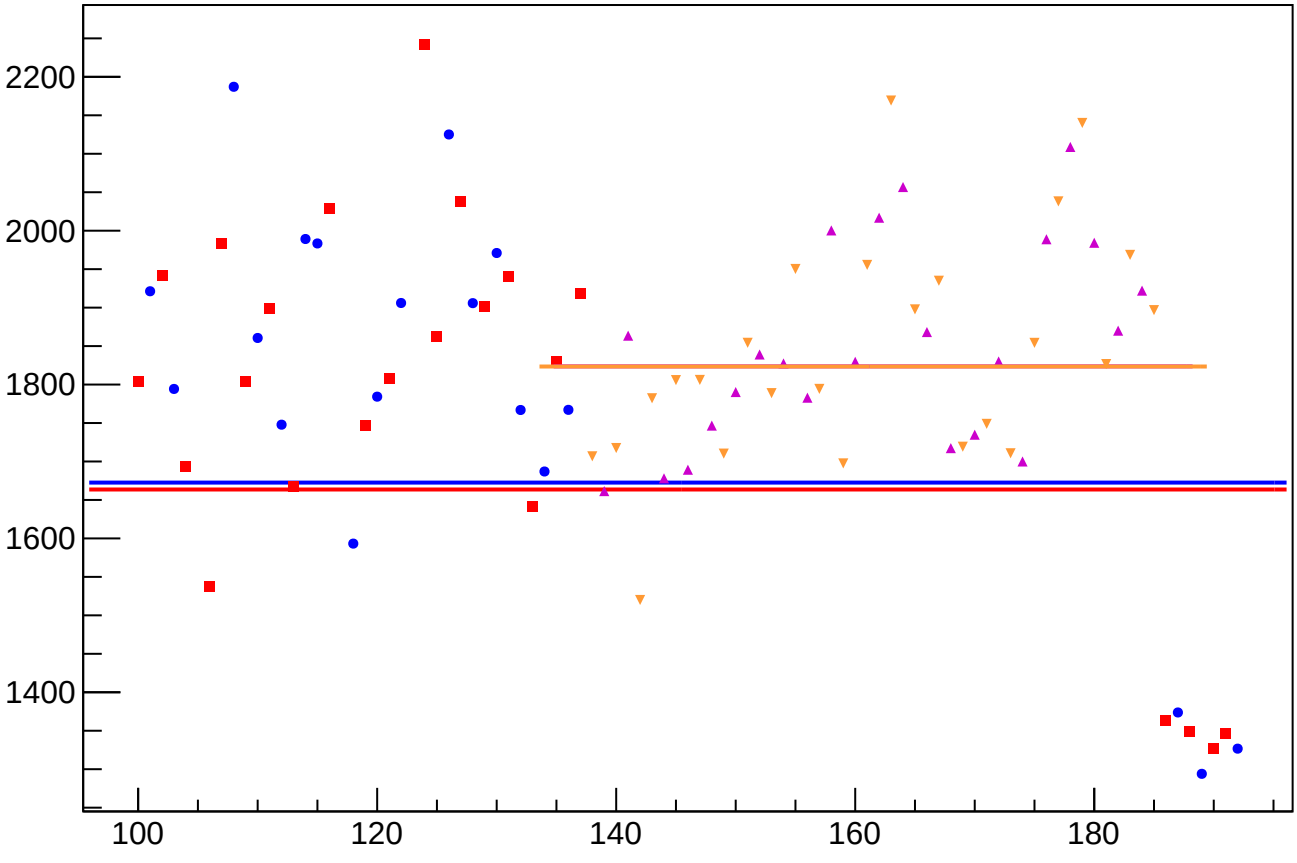
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 14.076+/-0.335 χ^2/NDF: 428.4/43

All: 5.961+/-0.238 χ^2/NDF: 2334.3/89

- sign -2.238+/-0.337 χ^2/NDF: 728.4/45

diff_bpm0i01aY_rms vs Slug



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

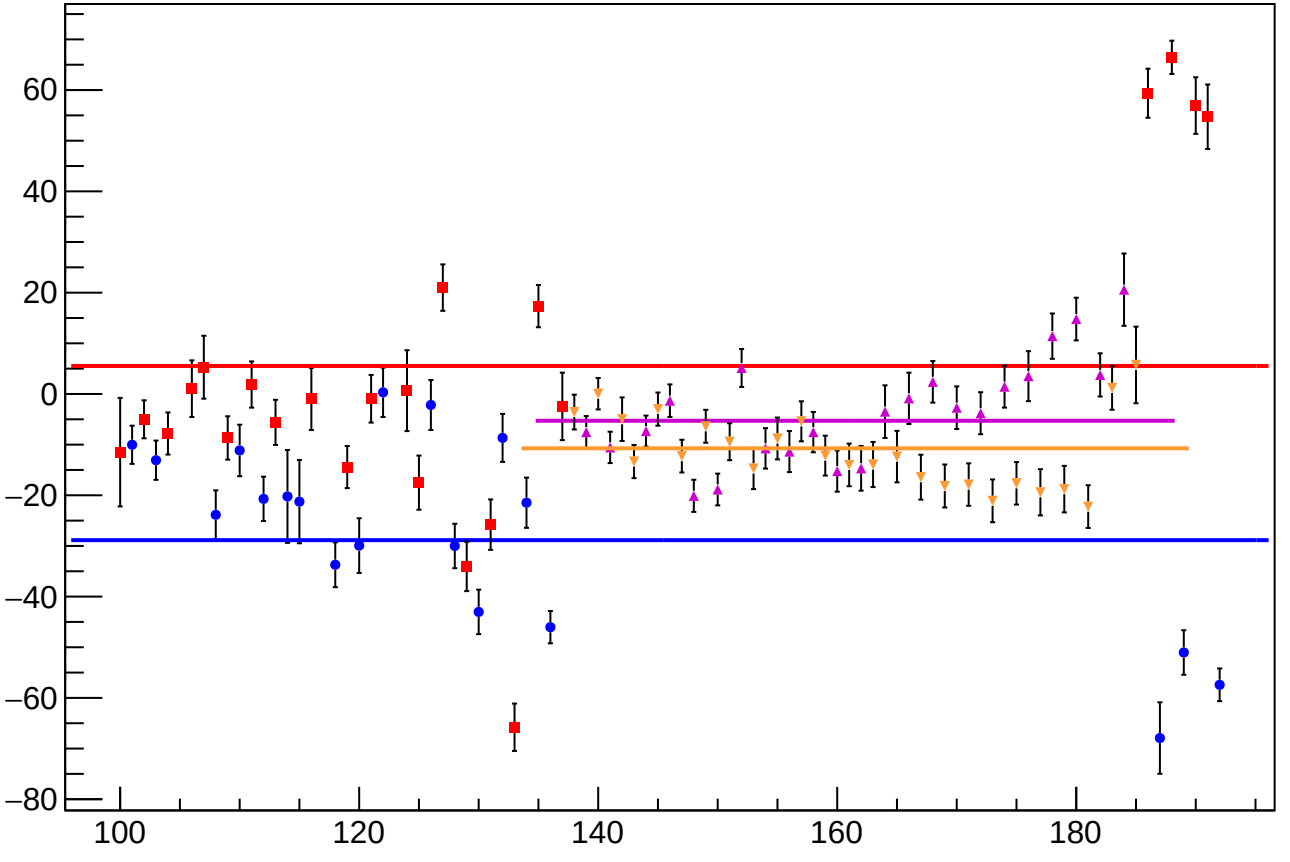
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1770.751+/-0.237 χ^2/NDF: 738217.4/43

All: 1766.856+/-0.168 χ^2/NDF: 1418609.6/89

- sign 1762.920+/-0.238 χ^2/NDF: 679849.6/45

diff_bpm0l01X_mean vs Slug



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

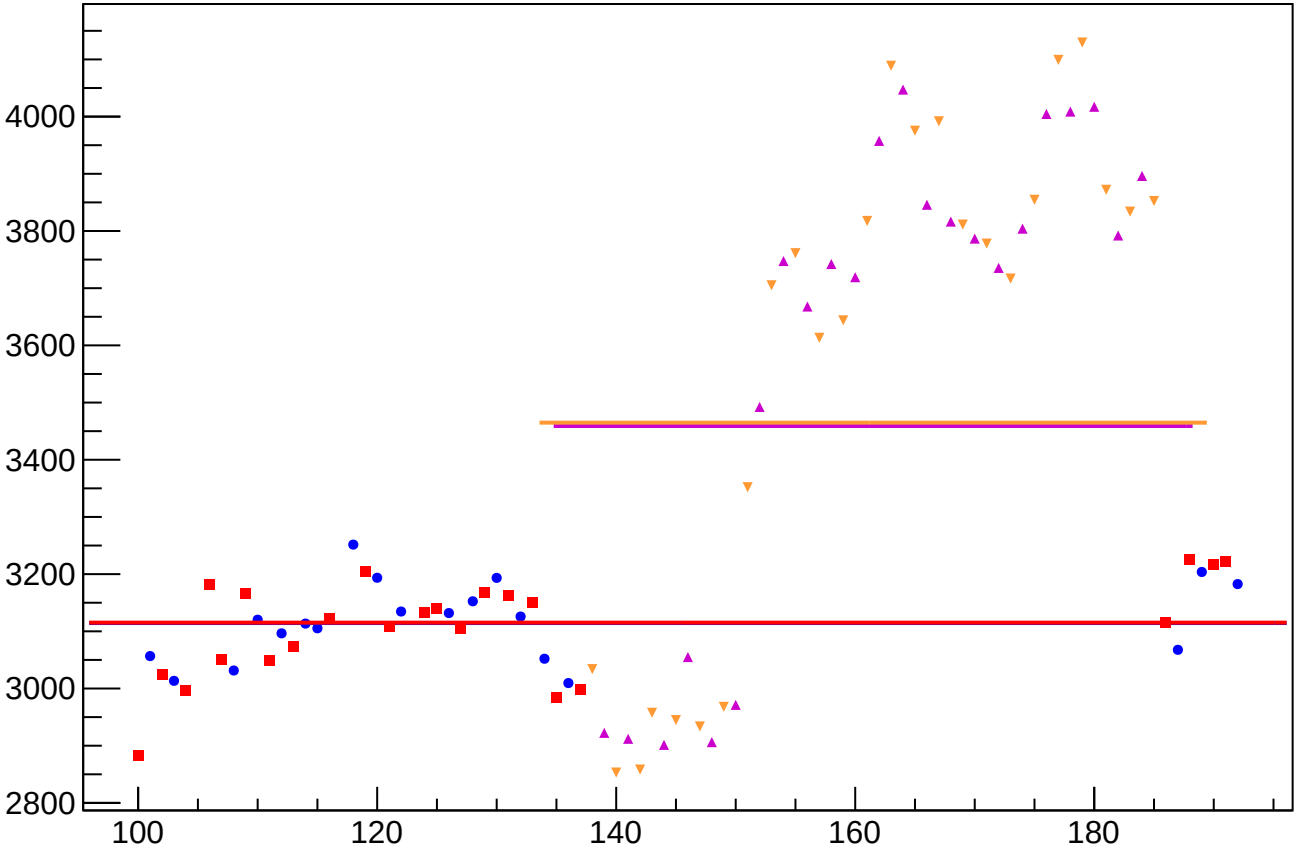
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -17.390+/-0.631 χ^2/NDF: 585.7/43

All: -9.252+/-0.448 χ^2/NDF: 2177.2/89

- sign -1.038+/-0.634 χ^2/NDF: 1257.7/45

diff_bpm0l01X_rms vs Slug



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

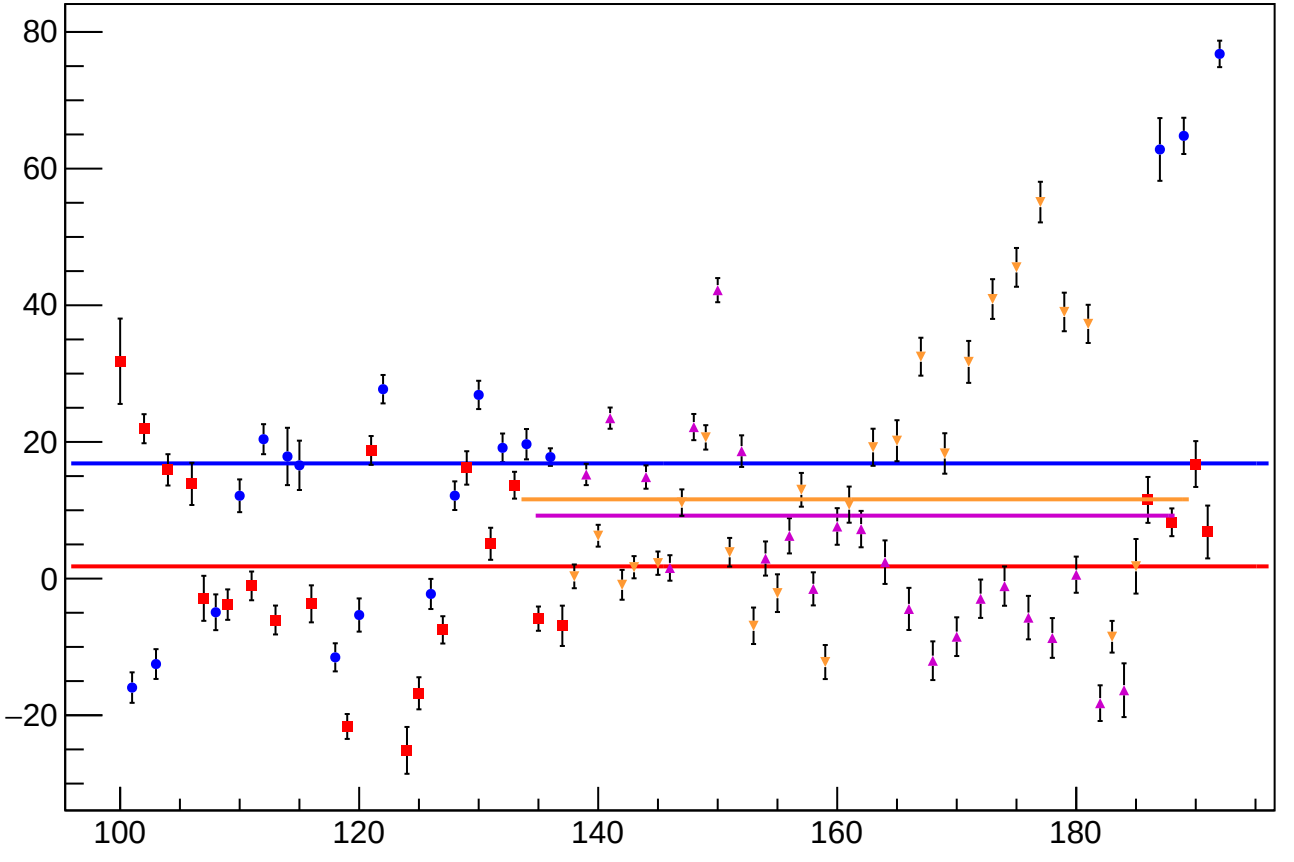
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3336.197+/-0.446 χ^2/NDF: 797145.2/43

All: 3330.074+/-0.316 χ^2/NDF: 1533722.9/89

- sign 3323.893+/-0.449 χ^2/NDF: 736199.8/45

diff_bpm0l01Y_mean vs Slug



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

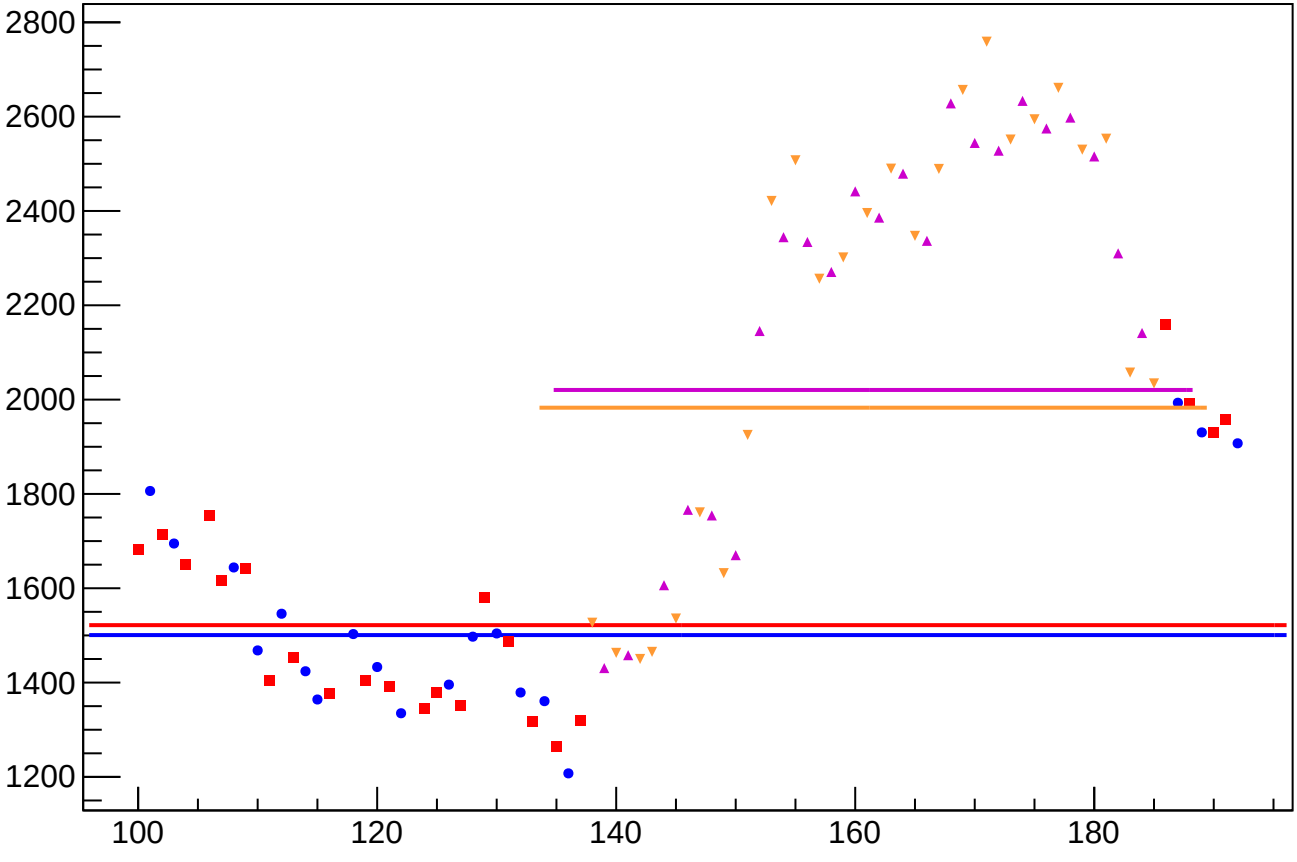
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

+ sign 13.986+/-0.342 χ^2/NDF: 3521.3/43

All: 9.871+/-0.244 χ^2/NDF: 5579.7/89

- sign 5.626+/-0.348 χ^2/NDF: 1765.1/45

diff_bpm0l01Y_rms vs Slug



Right In: 1500.714+/-0.359 χ^2/NDF: 365702.8/18

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

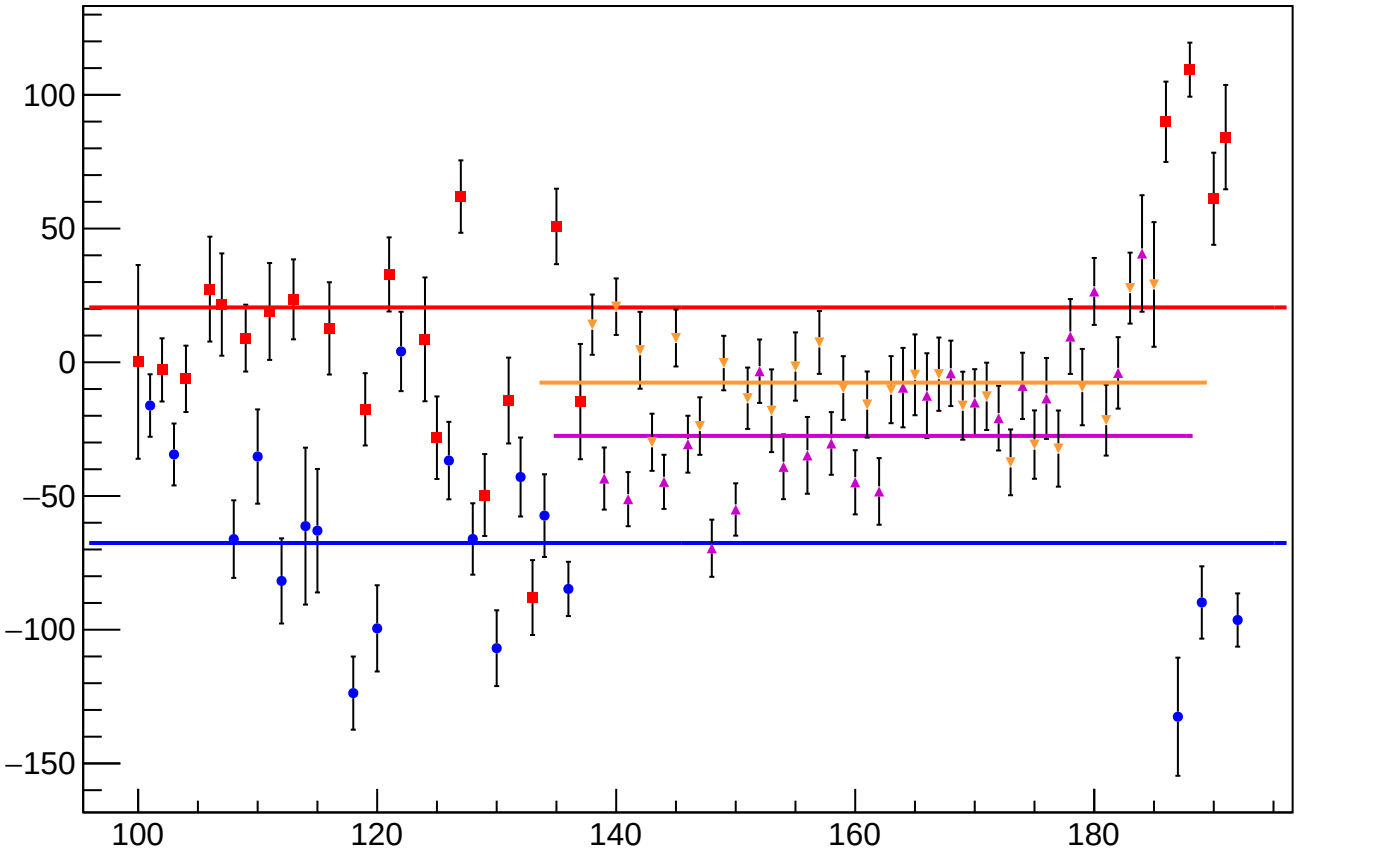
Right Out: 1521.778+/-0.354 χ^2/NDF: 408918.7/22

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1764.055+/-0.242 χ^2/NDF: 3325923.4/43

All: 1771.693+/-0.173 χ^2/NDF: 6378005.7/89

- sign 1779.573+/-0.246 χ^2/NDF: 3050061.4/45



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

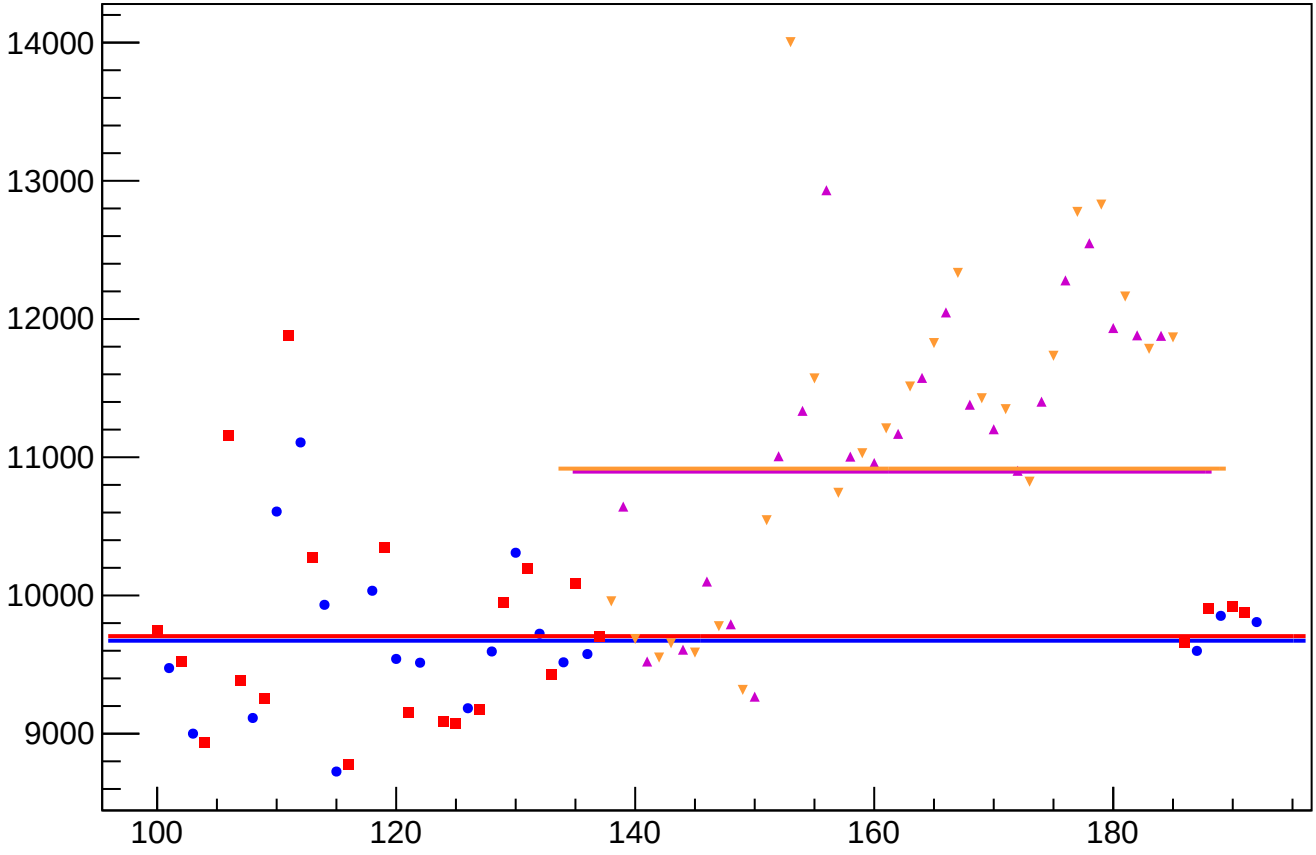
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -29.873+/-1.978 χ^2/NDF: 376.5/43

All: -19.268+/-1.402 χ^2/NDF: 913.3/89

- sign -8.551+/-1.988 χ^2/NDF: 479.0/45

diff_bpm0l02X_rms vs Slug



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

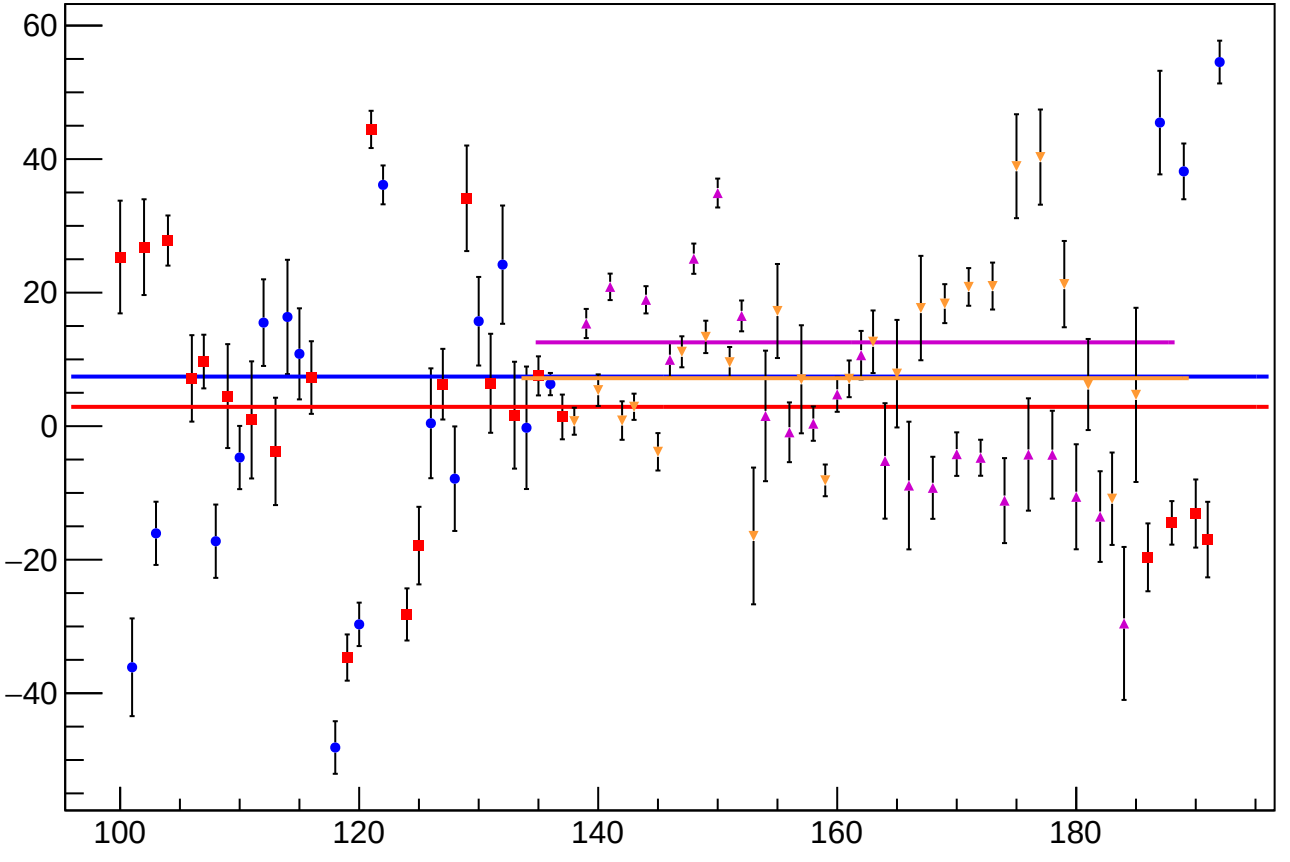
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10455.259+/-1.399 χ^2/NDF: 655777.3/43

All: 10440.631+/-0.992 χ^2/NDF: 1206652.8/8

- sign 10425.849+/-1.406 χ^2/NDF: 550655.5/45

diff_bpm0l02Y_mean vs Slug



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

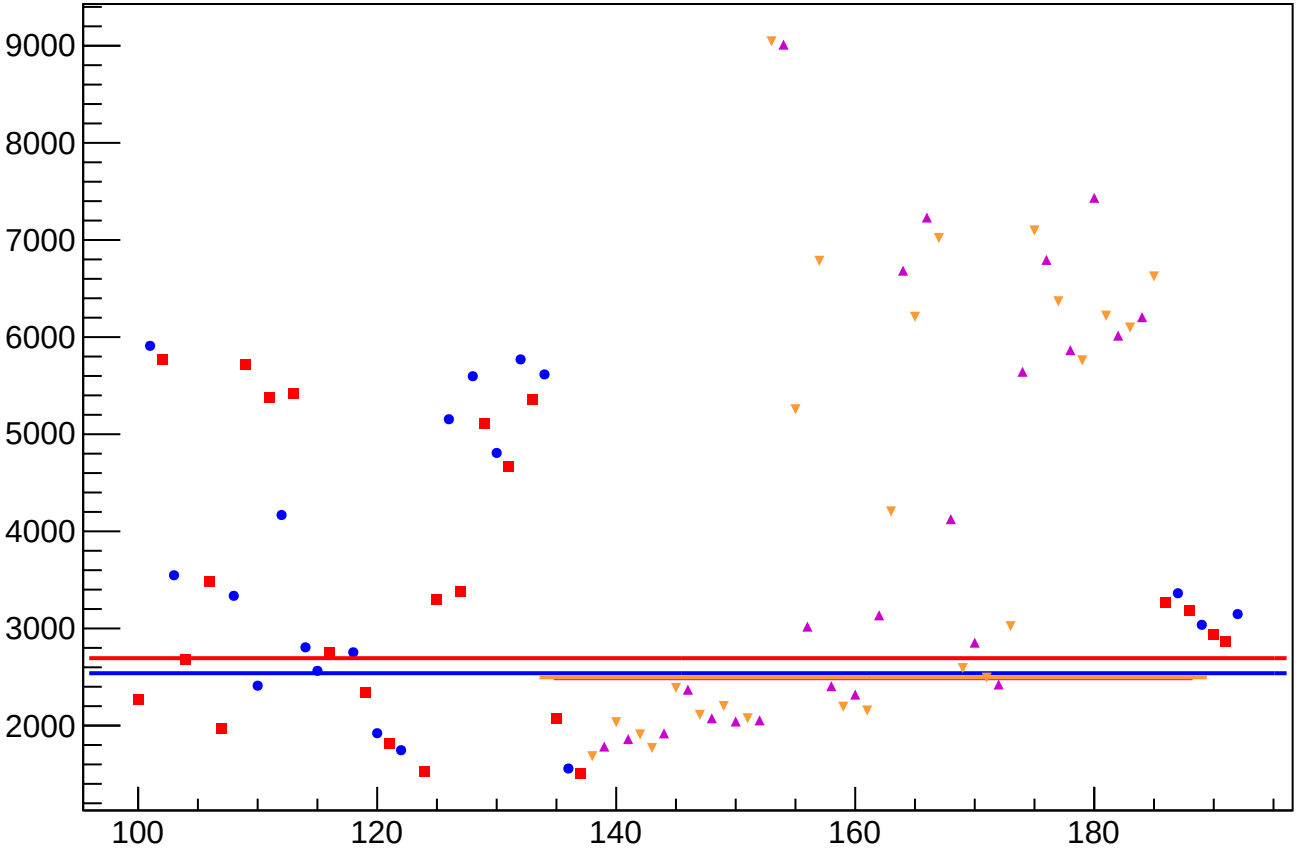
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 7.262+/-0.540 χ^2/NDF: 1023.3/43

All: 8.359+/-0.384 χ^2/NDF: 2043.8/89

- sign 9.478+/-0.545 χ^2/NDF: 1012.2/45

diff_bpm0l02Y_rms vs Slug



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

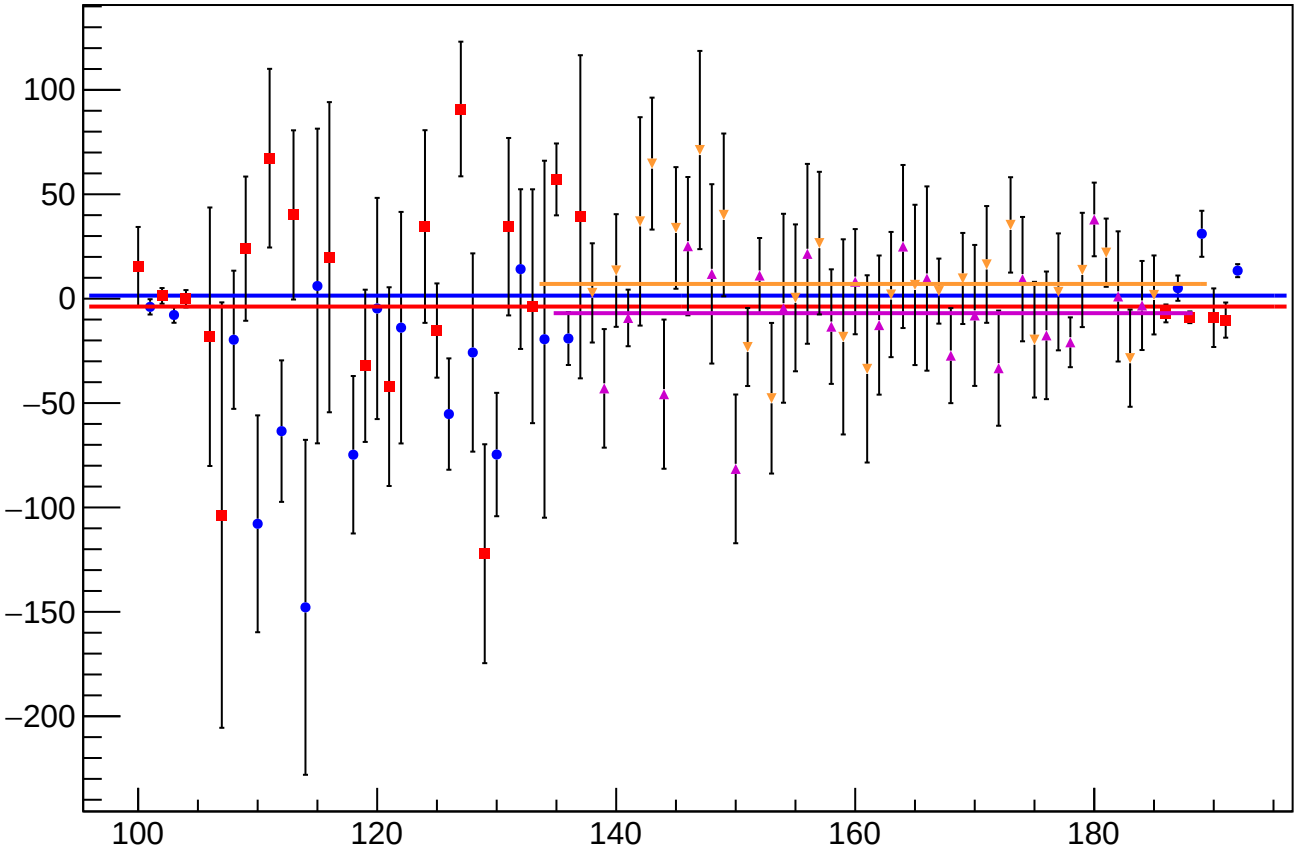
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2510.215+/-0.382 χ^2/NDF: 10169680.3/43

All: 2531.594+/-0.271 χ^2/NDF: 18949811.4/8

- sign 2553.387+/-0.386 χ^2/NDF: 8773804.9/45

diff_bpm0l03X_mean vs Slug



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

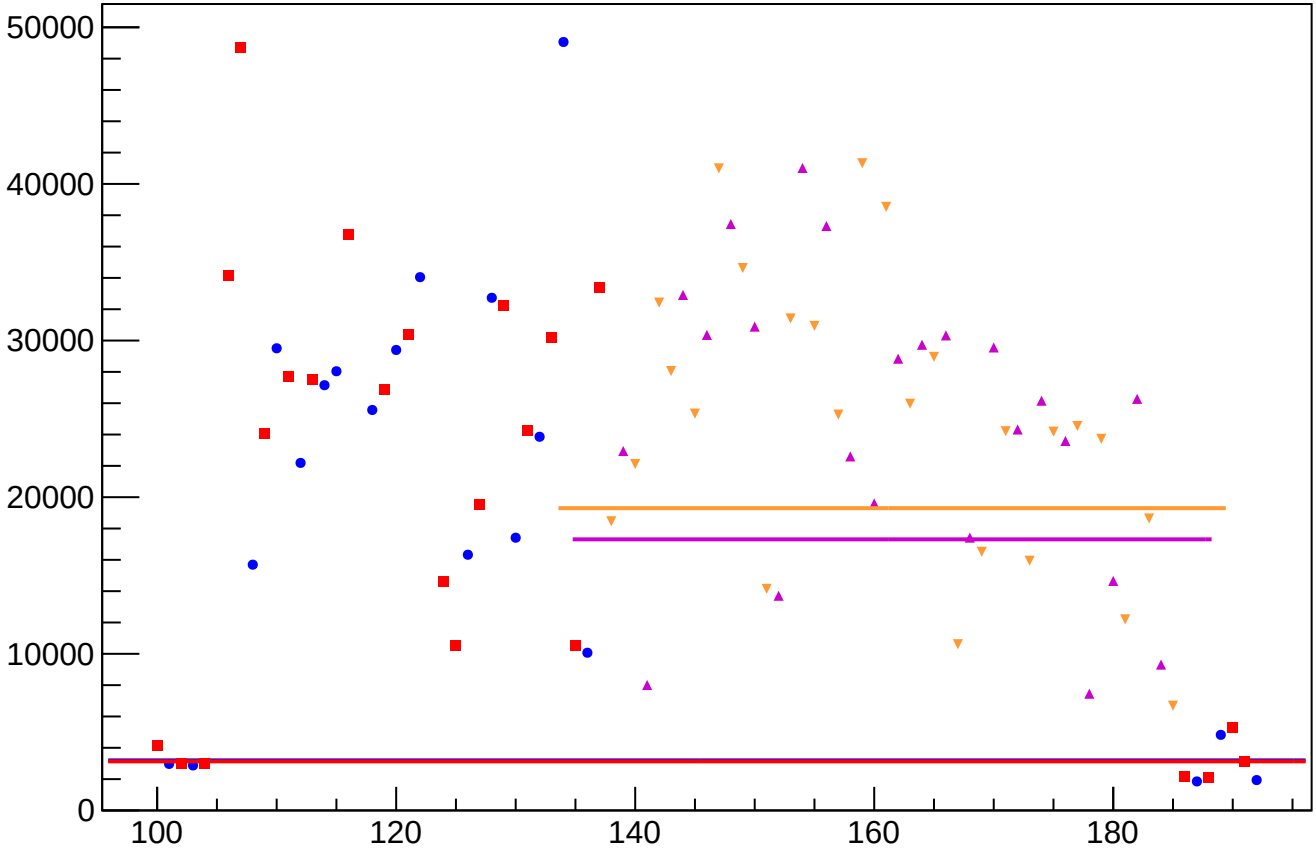
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 2.073+/-1.728 χ^2/NDF: 81.6/43

All: -1.222+/-1.180 χ^2/NDF: 153.5/89

- sign -4.099+/-1.615 χ^2/NDF: 65.1/45

diff_bpm0l03X_rms vs Slug



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

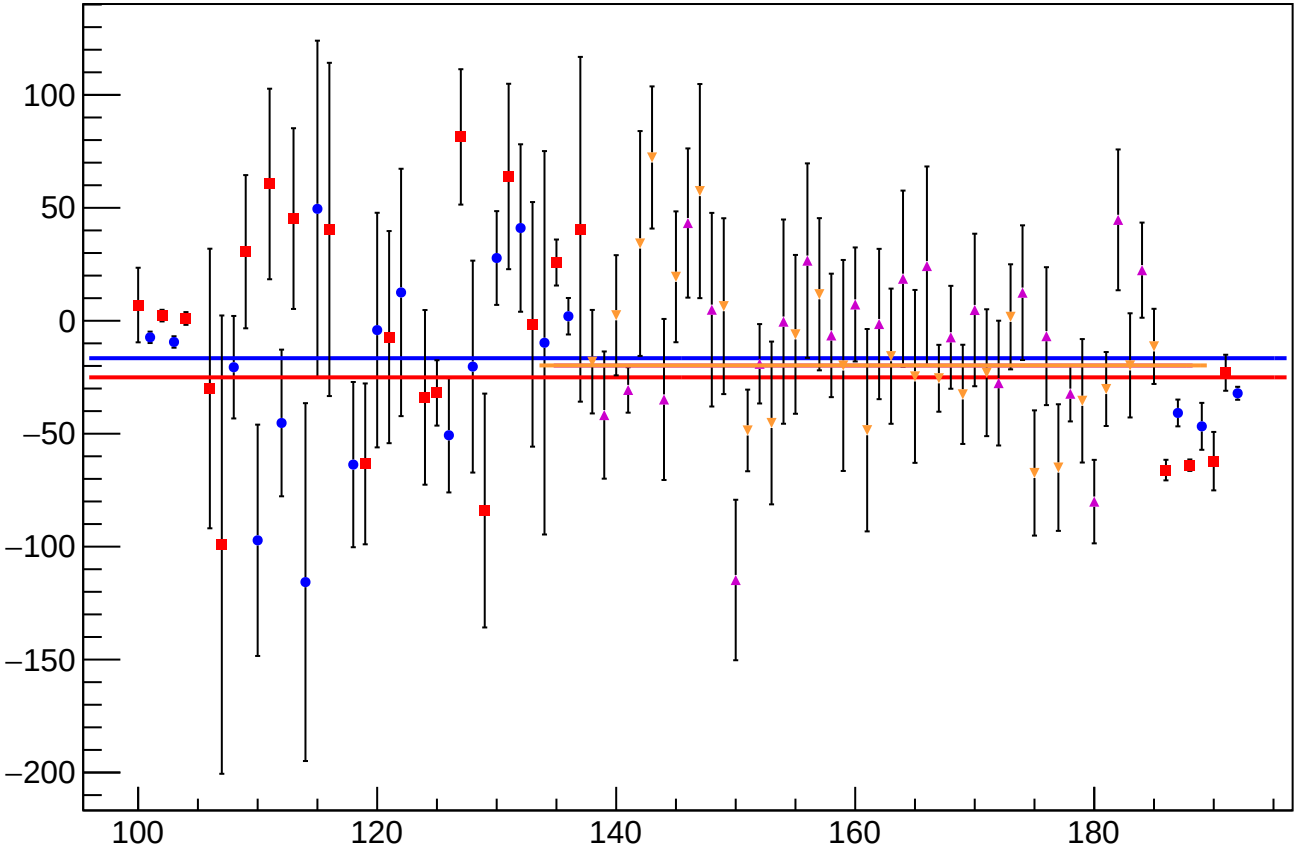
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 4956.299+/-1.222 χ^2/NDF: 29532979.3/43

All: 4745.850+/-0.834 χ^2/NDF: 58729758.5/8

- sign 4562.075+/-1.142 χ^2/NDF: 29141231.2/45

diff_bpm0l03Y_mean vs Slug



Right In: -16.566+/-1.419 χ^2/NDF: 97.5/18

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

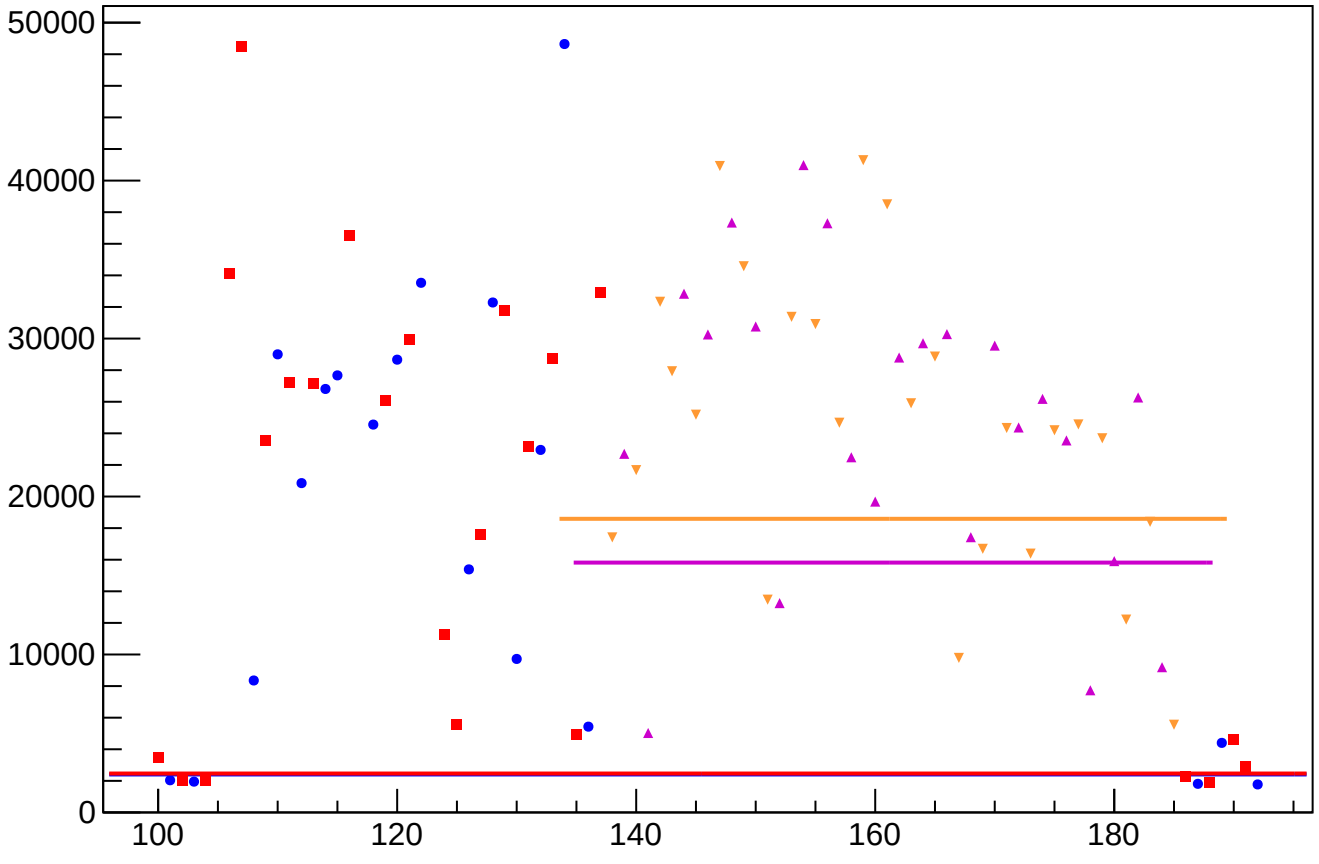
Right Out: -25.047+/-1.377 χ^2/NDF: 584.8/22

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -16.795+/-1.367 χ^2/NDF: 125.7/43

All: -20.852+/-0.951 χ^2/NDF: 768.9/89

- sign -24.657+/-1.324 χ^2/NDF: 626.1/45



Right In: 2405.346+/-1.003 χ^2/NDF: 7004399.8/18

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

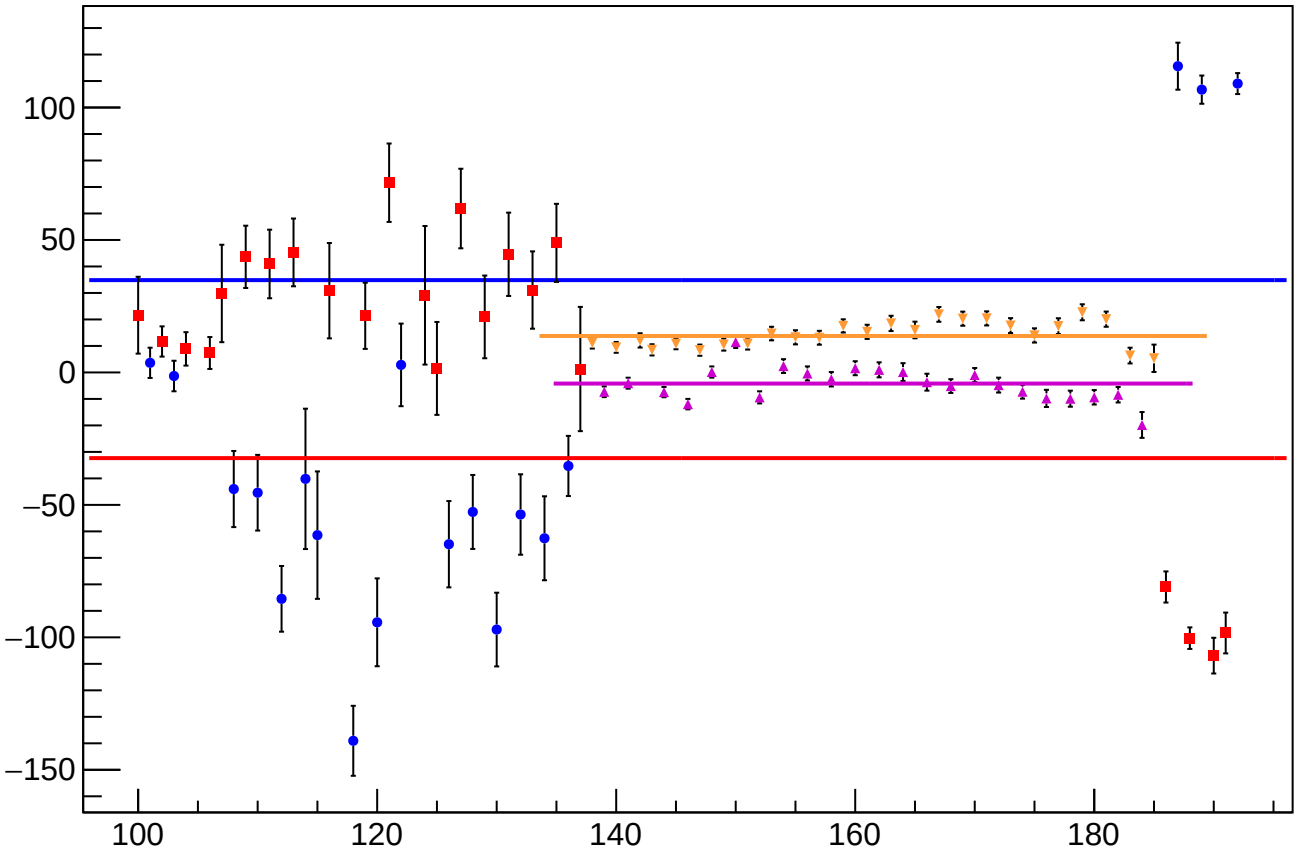
Right Out: 2464.026+/-0.973 χ^2/NDF: 8201221.5/22

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 3561.277+/-0.967 χ^2/NDF: 31282184.0/43

All: 3509.744+/-0.673 χ^2/NDF: 61950532.0/8

- sign 3461.414+/-0.936 χ^2/NDF: 30662843.9/45



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

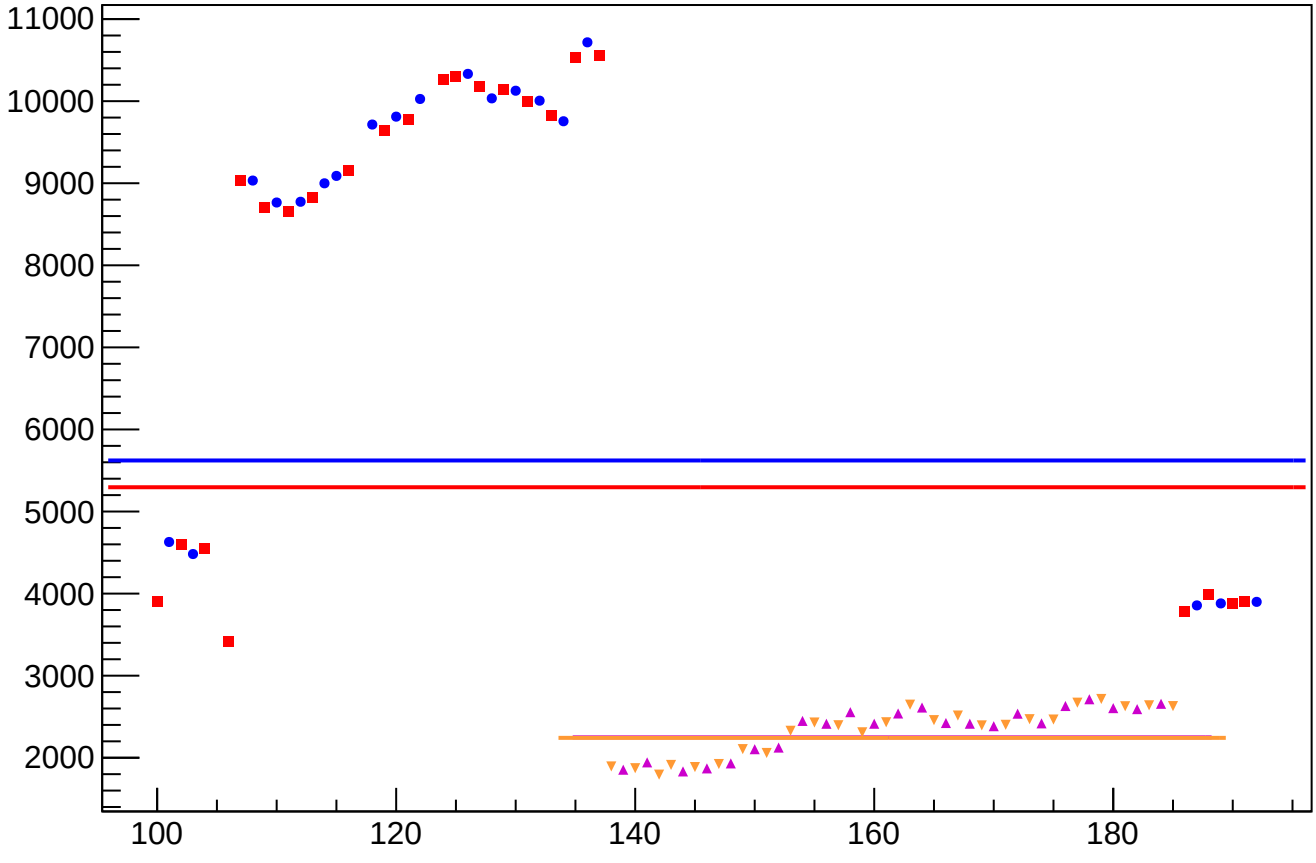
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 14.997+/-0.499 χ^2/NDF: 1556.3/43

All: 4.610+/-0.357 χ^2/NDF: 3815.9/89

- sign -6.263+/-0.510 χ^2/NDF: 1371.7/45

diff_bpm0l04X_rms vs Slug



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

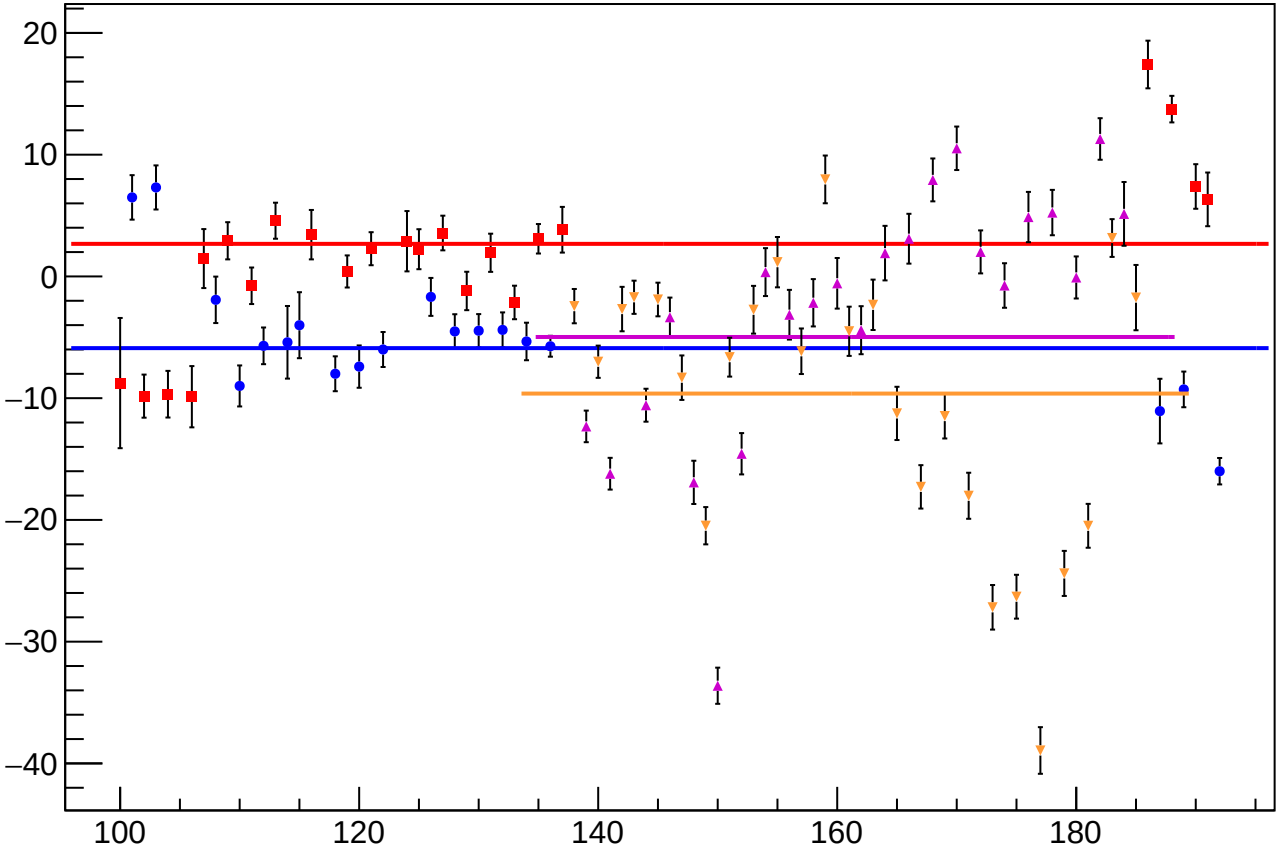
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2440.414+/-0.353 χ^2/NDF: 8710574.3/43

All: 2455.740+/-0.252 χ^2/NDF: 17383289.7/8

- sign 2471.786+/-0.361 χ^2/NDF: 8668849.0/45

diff_bpm0l04Y_mean vs Slug



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

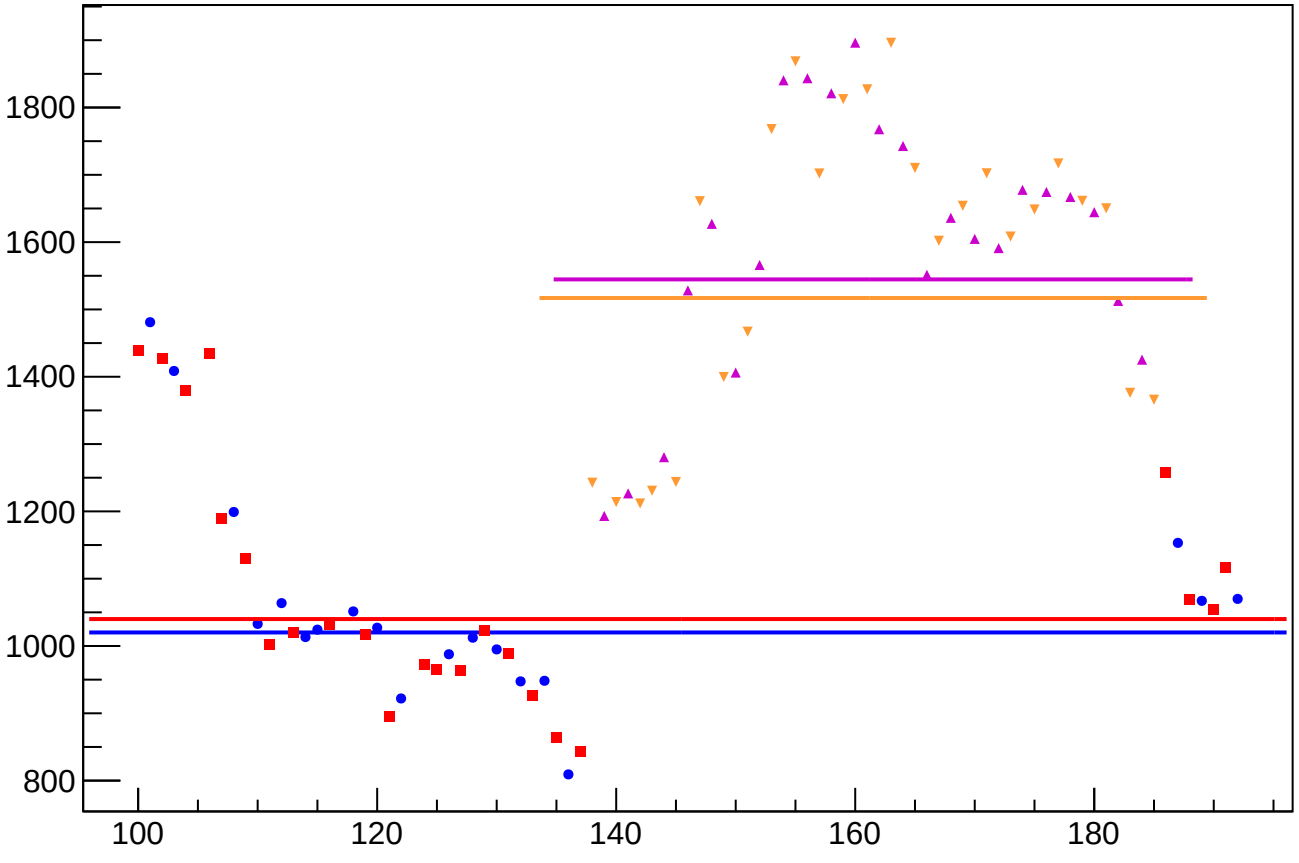
Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.735+/-0.245 χ^2/NDF: 1208.7/43

All: -4.368+/-0.175 χ^2/NDF: 3074.7/89

- sign -0.898+/-0.249 χ^2/NDF: 1484.0/45

diff_bpm0l04Y_rms vs Slug



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

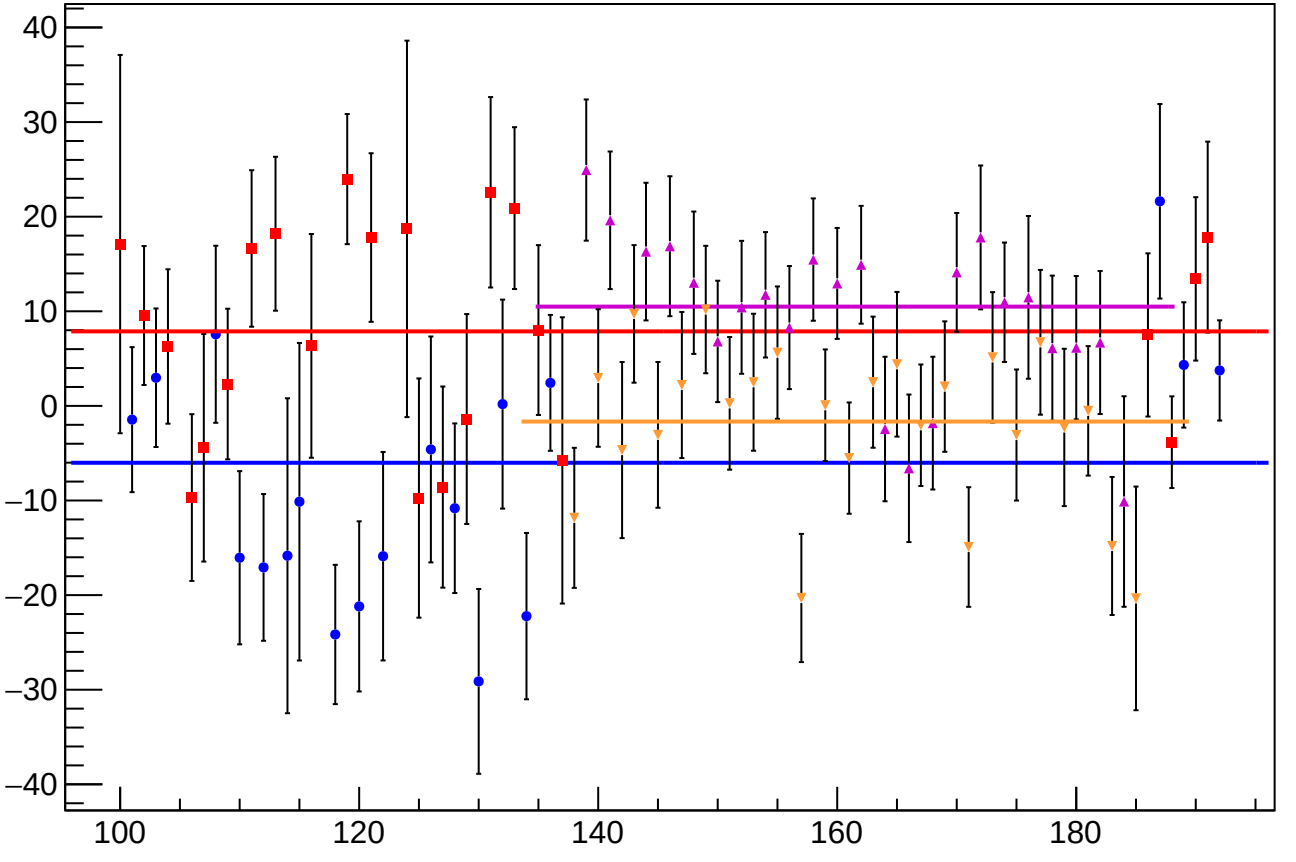
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1265.777+/-0.174 χ^2/NDF: 3273783.8/43

All: 1270.689+/-0.124 χ^2/NDF: 6332762.0/89

- sign 1275.751+/-0.176 χ^2/NDF: 3057352.2/45

diff_bpm0l05X_mean vs Slug



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

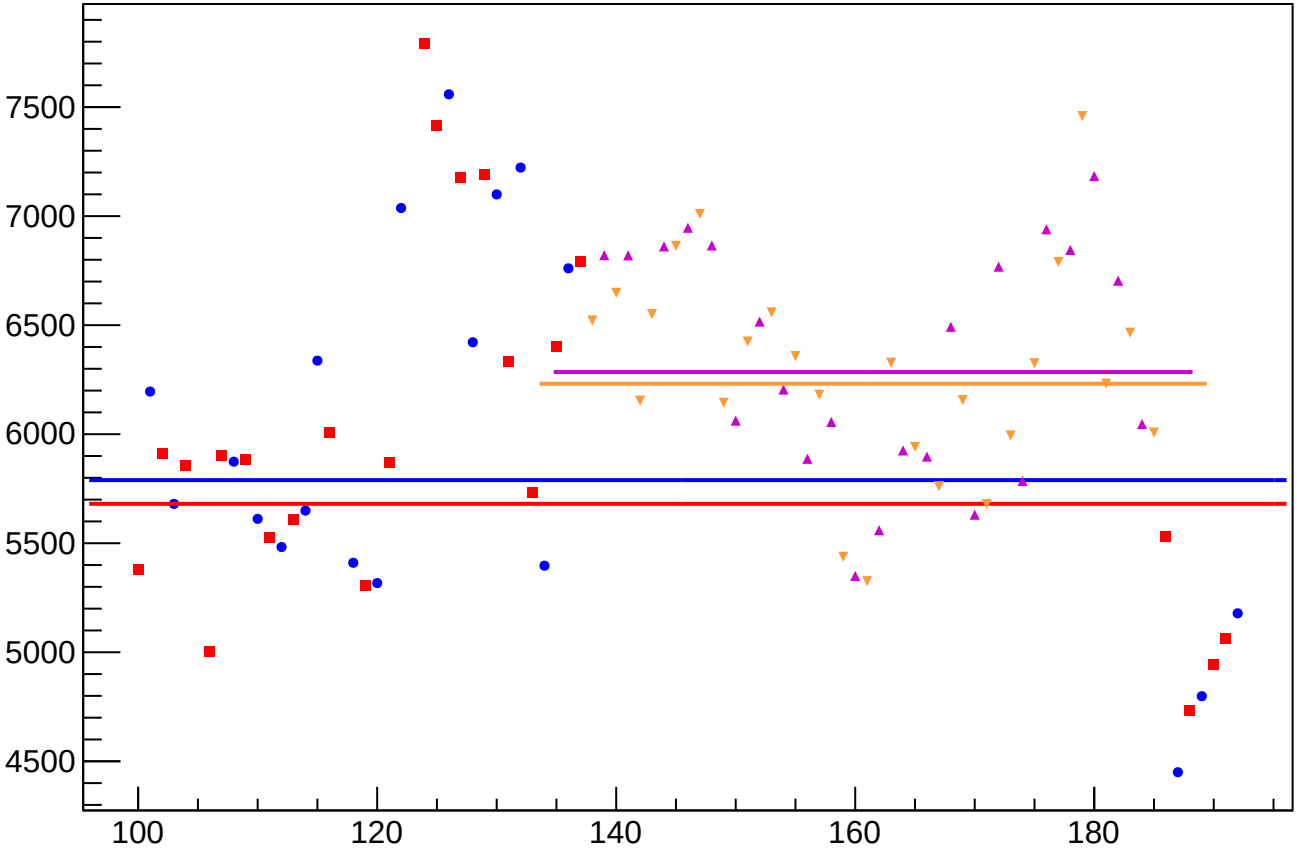
Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -3.163+/-1.153 χ^2/NDF: 76.1/43

All: 3.127+/-0.818 χ^2/NDF: 195.2/89

- sign 9.481+/-1.159 χ^2/NDF: 59.3/45

diff_bpm0l05X_rms vs Slug



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

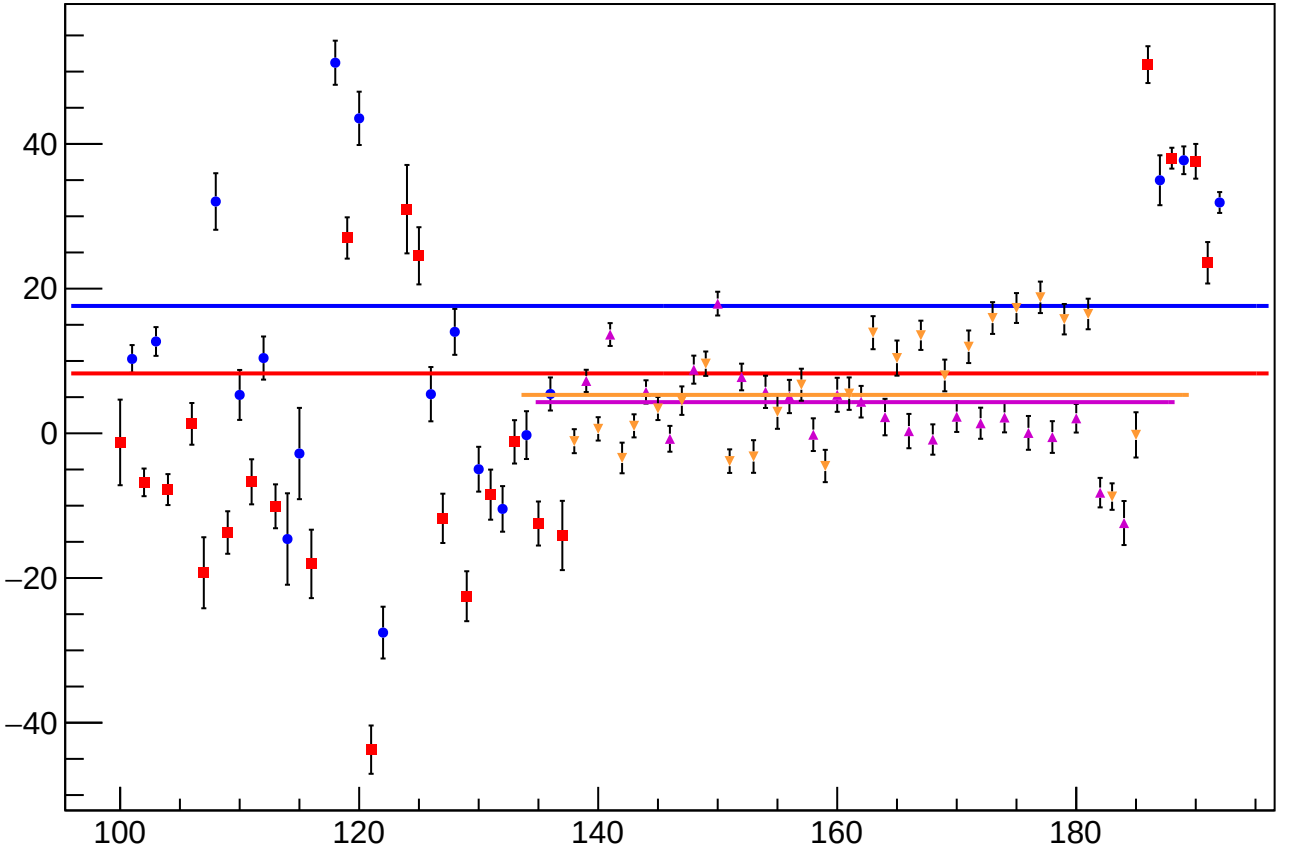
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 6078.515+/-0.816 χ^2/NDF: 611720.0/43

All: 6065.119+/-0.578 χ^2/NDF: 1300948.2/89

- sign 6051.588+/-0.820 χ^2/NDF: 688685.8/45

diff_bpm0l05Y_mean vs Slug



Right In: 17.608+/-0.621 χ^2/NDF: 855.2/18

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

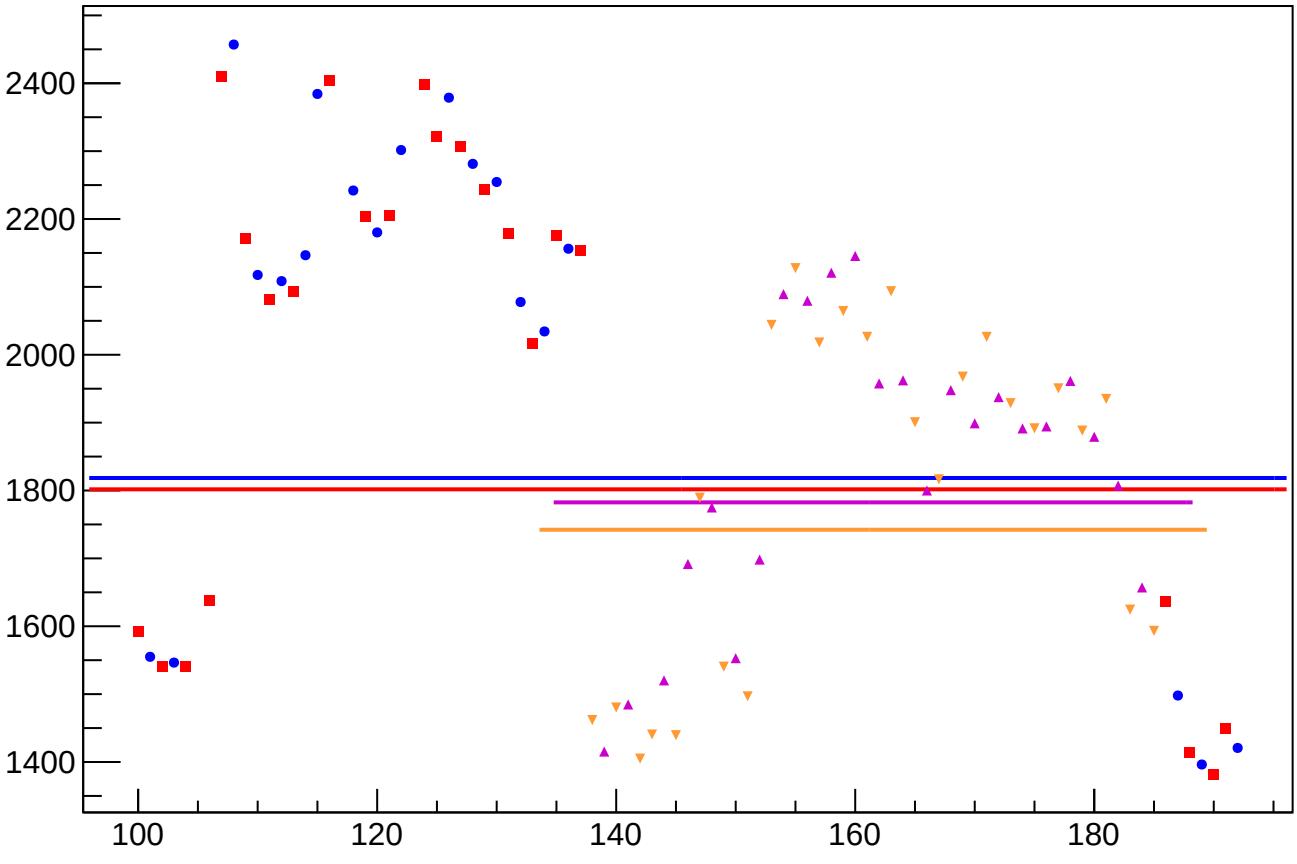
Right Out: 8.279+/-0.597 χ^2/NDF: 1722.2/22

Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

+ sign 8.921+/-0.337 χ^2/NDF: 1510.2/43

All: 7.307+/-0.240 χ^2/NDF: 3529.3/89

- sign 5.624+/-0.344 χ^2/NDF: 1972.1/45



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

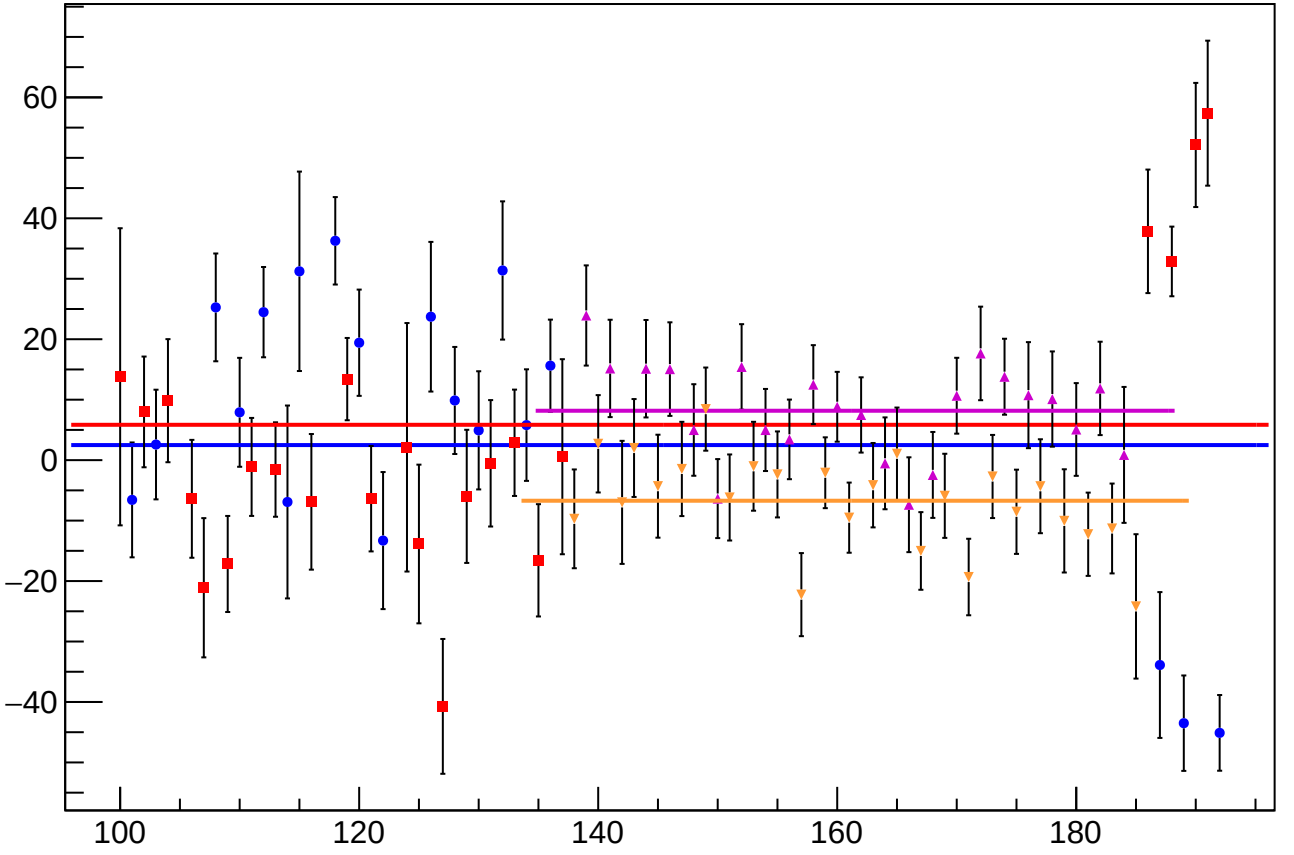
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1764.590+/-0.238 χ^2/NDF: 1526243.2/43

All: 1776.480+/-0.170 χ^2/NDF: 2791925.2/89

- sign 1788.874+/-0.243 χ^2/NDF: 1260582.2/45

diff_bpm0l06X_mean vs Slug



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

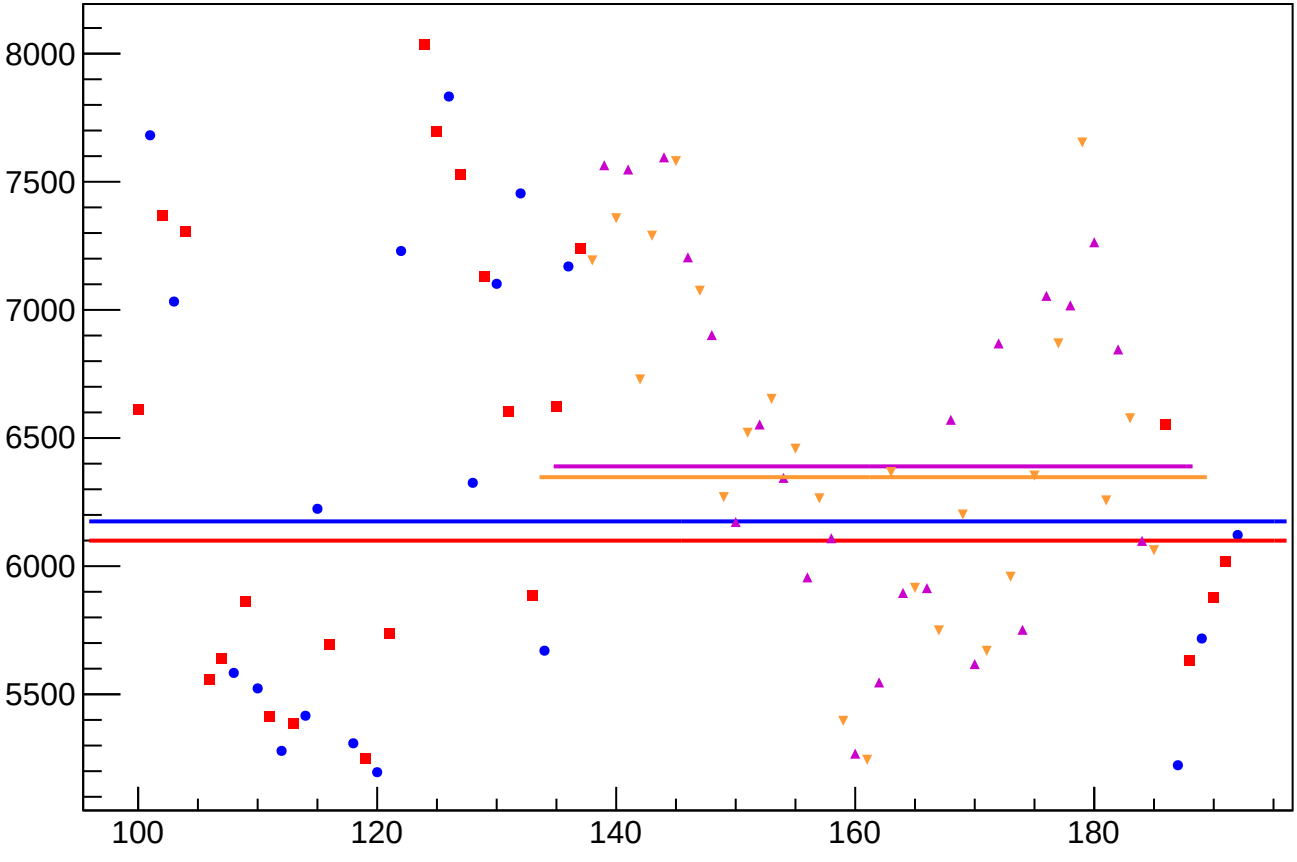
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -3.705+/-1.196 χ^2/NDF: 200.1/43

All: 1.769+/-0.849 χ^2/NDF: 387.1/89

- sign 7.328+/-1.205 χ^2/NDF: 144.8/45

diff_bpm0l06X_rms vs Slug



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

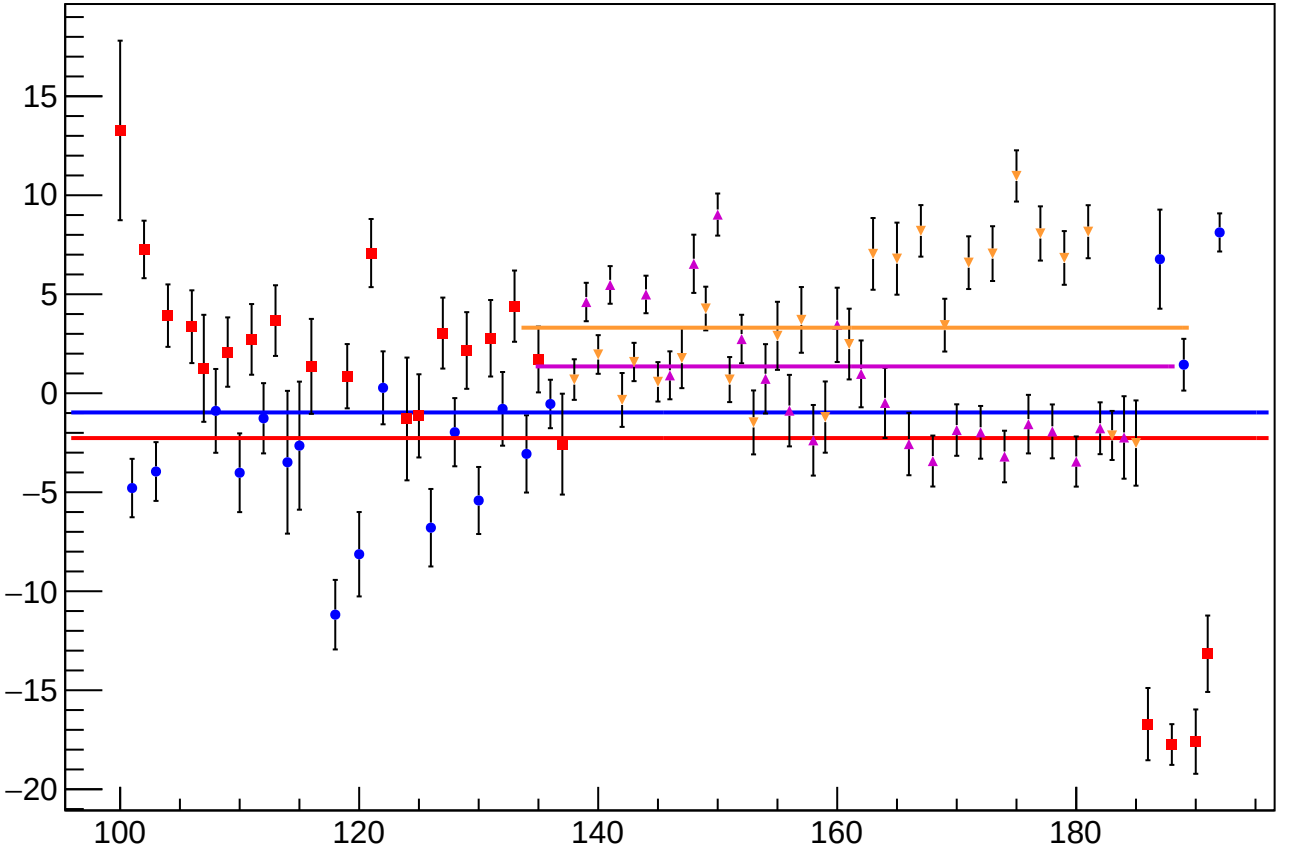
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6290.908+/-0.846 χ^2/NDF: 725671.9/43

All: 6287.642+/-0.600 χ^2/NDF: 1457036.8/89

- sign 6284.325+/-0.852 χ^2/NDF: 731334.9/45

diff_bpm0l06Y_mean vs Slug



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

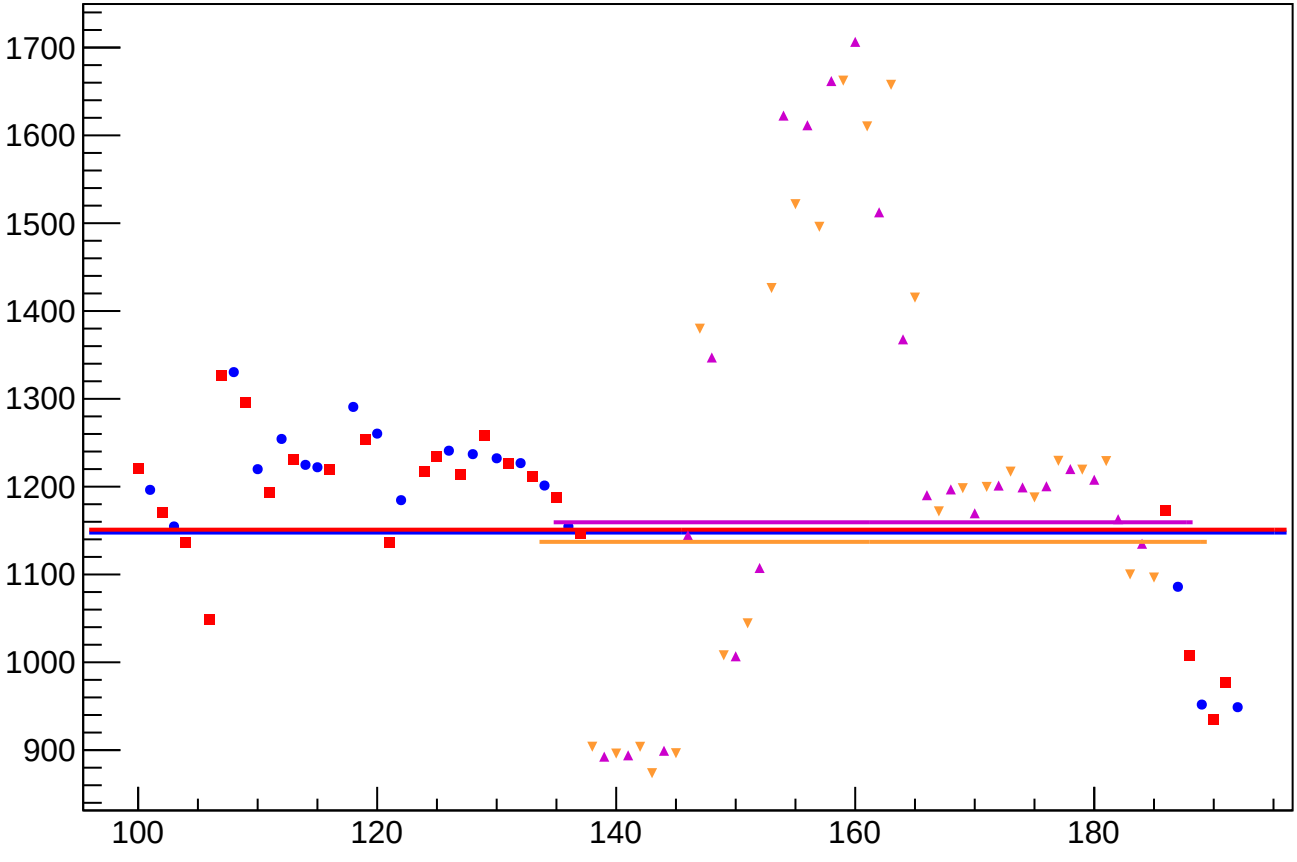
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.944+/-0.218 χ^2/NDF: 440.5/43

All: 1.032+/-0.156 χ^2/NDF: 1325.0/89

- sign 0.081+/-0.223 χ^2/NDF: 848.8/45

diff_bpm0l06Y_rms vs Slug



Right In: 1147.726+/-0.273 χ^2/NDF: 200103.6/18

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

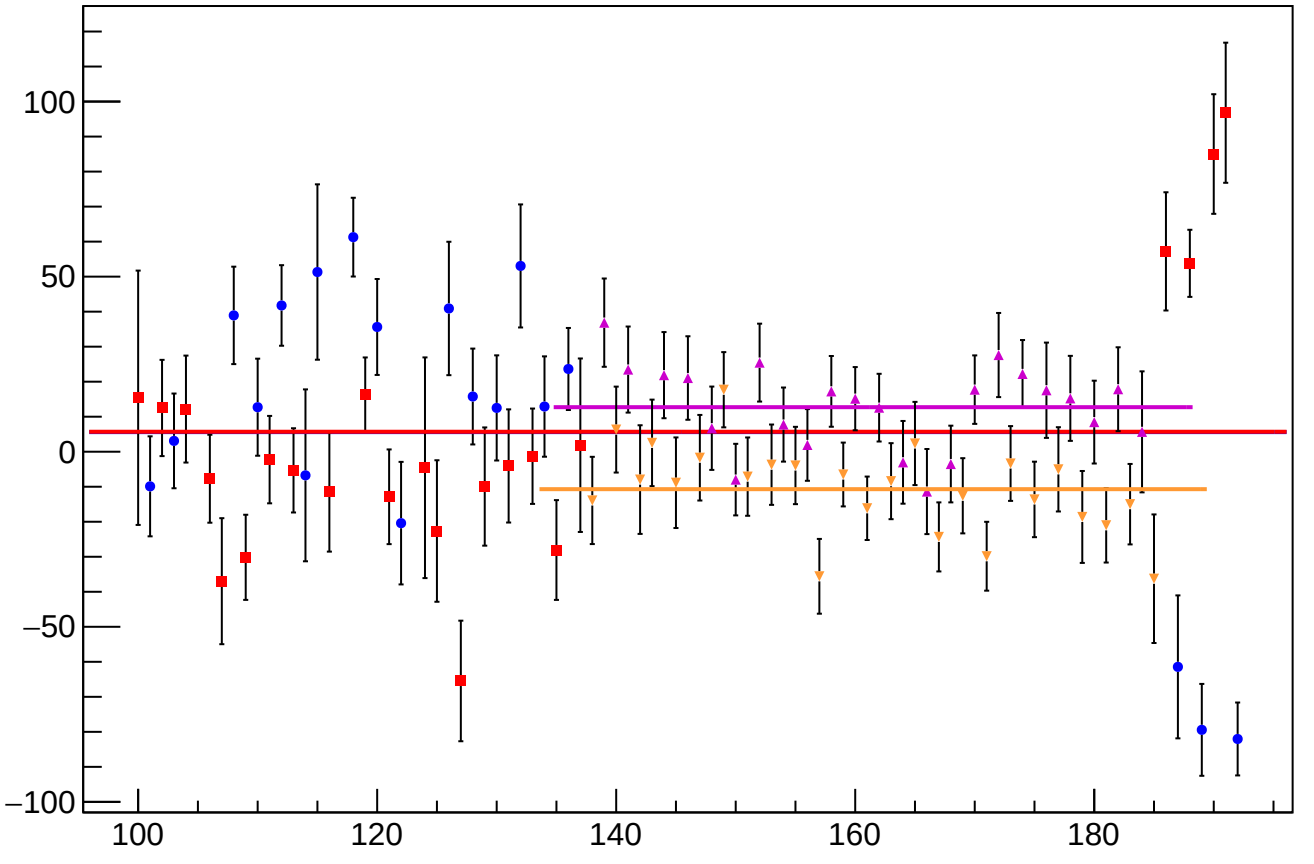
Right Out: 1151.020+/-0.265 χ^2/NDF: 153768.5/22

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1140.527+/-0.154 χ^2/NDF: 1670811.2/43

All: 1148.335+/-0.110 χ^2/NDF: 3090254.6/89

- sign 1156.471+/-0.157 χ^2/NDF: 1414212.9/45



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

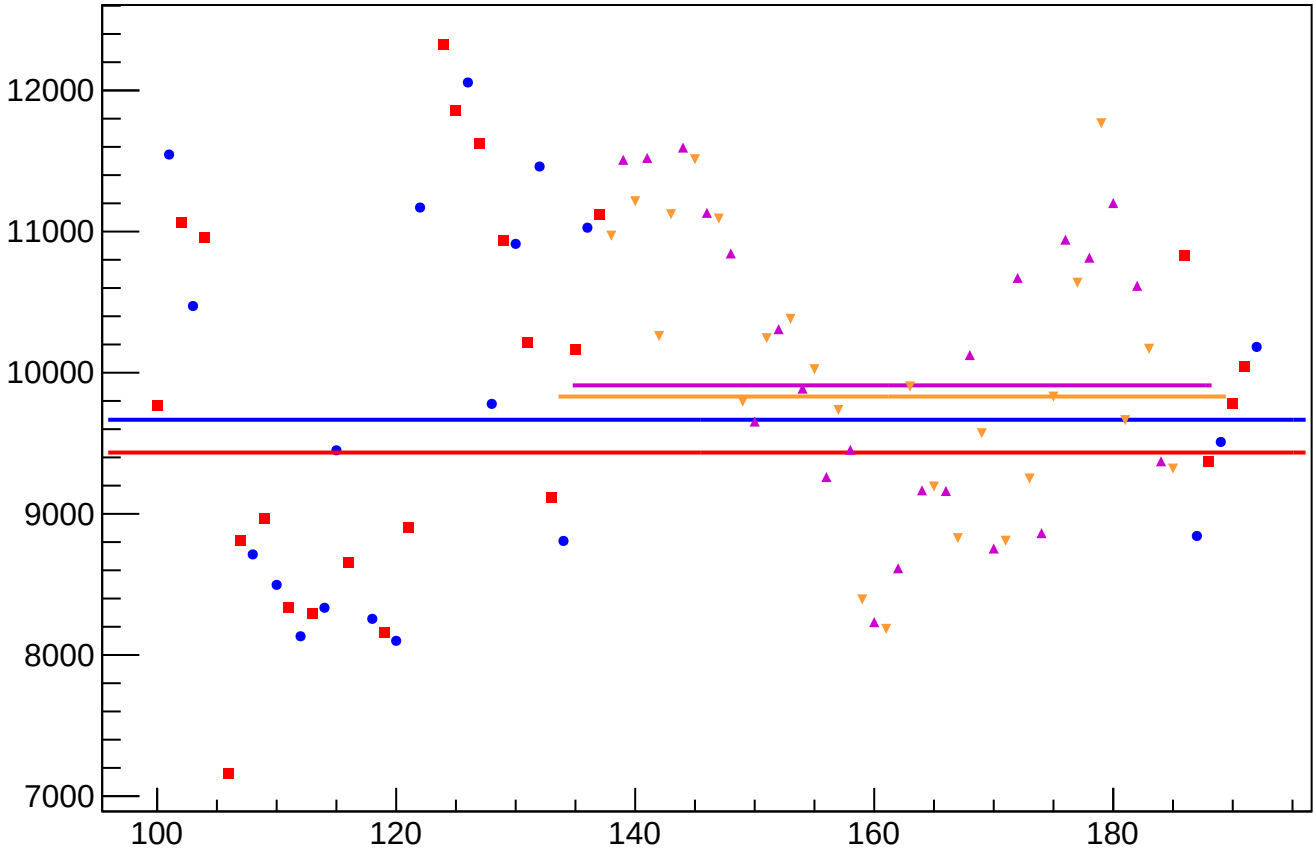
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -5.442+/-1.858 χ^2/NDF: 235.5/43

All: 2.323+/-1.317 χ^2/NDF: 422.2/89

- sign 10.170+/-1.868 χ^2/NDF: 151.5/45

diff_bpm0l07X_rms vs Slug



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

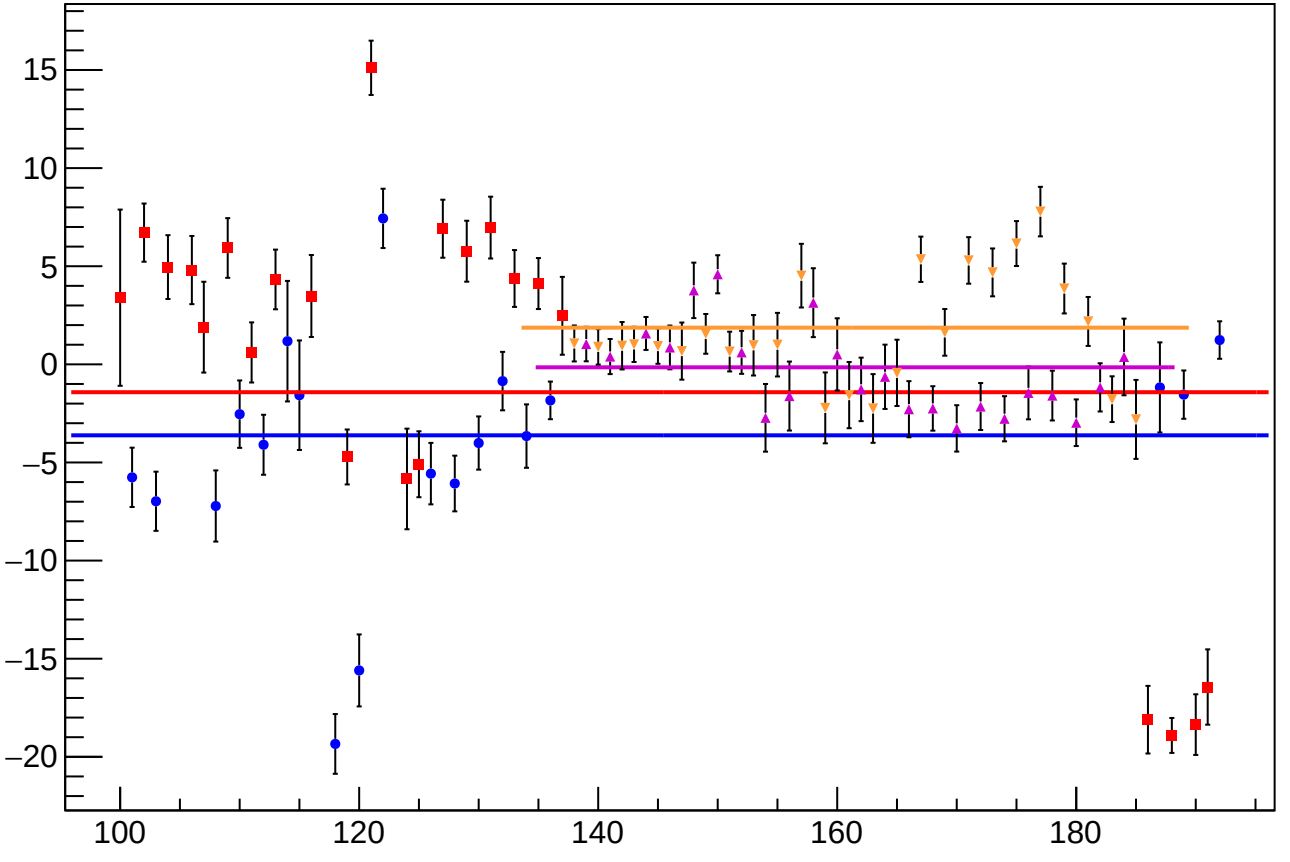
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9778.231+/-1.314 χ^2/NDF: 647761.9/43

All: 9757.912+/-0.931 χ^2/NDF: 1386931.5/89

- sign 9737.379+/-1.321 χ^2/NDF: 738688.7/45

diff_bpm0l07Y_mean vs Slug



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

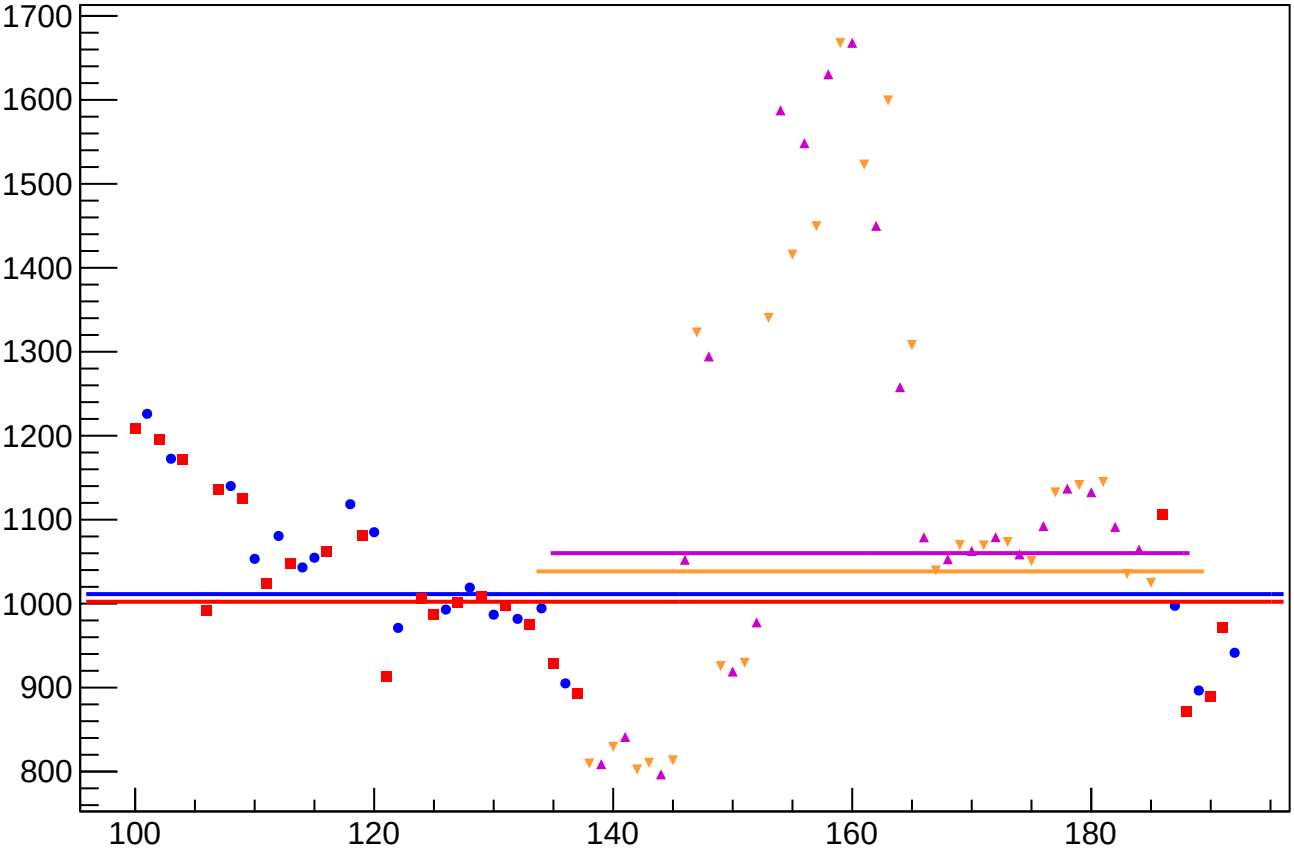
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.016+/-0.197 χ^2/NDF: 534.4/43

All: -0.302+/-0.141 χ^2/NDF: 1668.2/89

- sign -0.630+/-0.201 χ^2/NDF: 1128.5/45

diff_bpm0l07Y_rms vs Slug



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

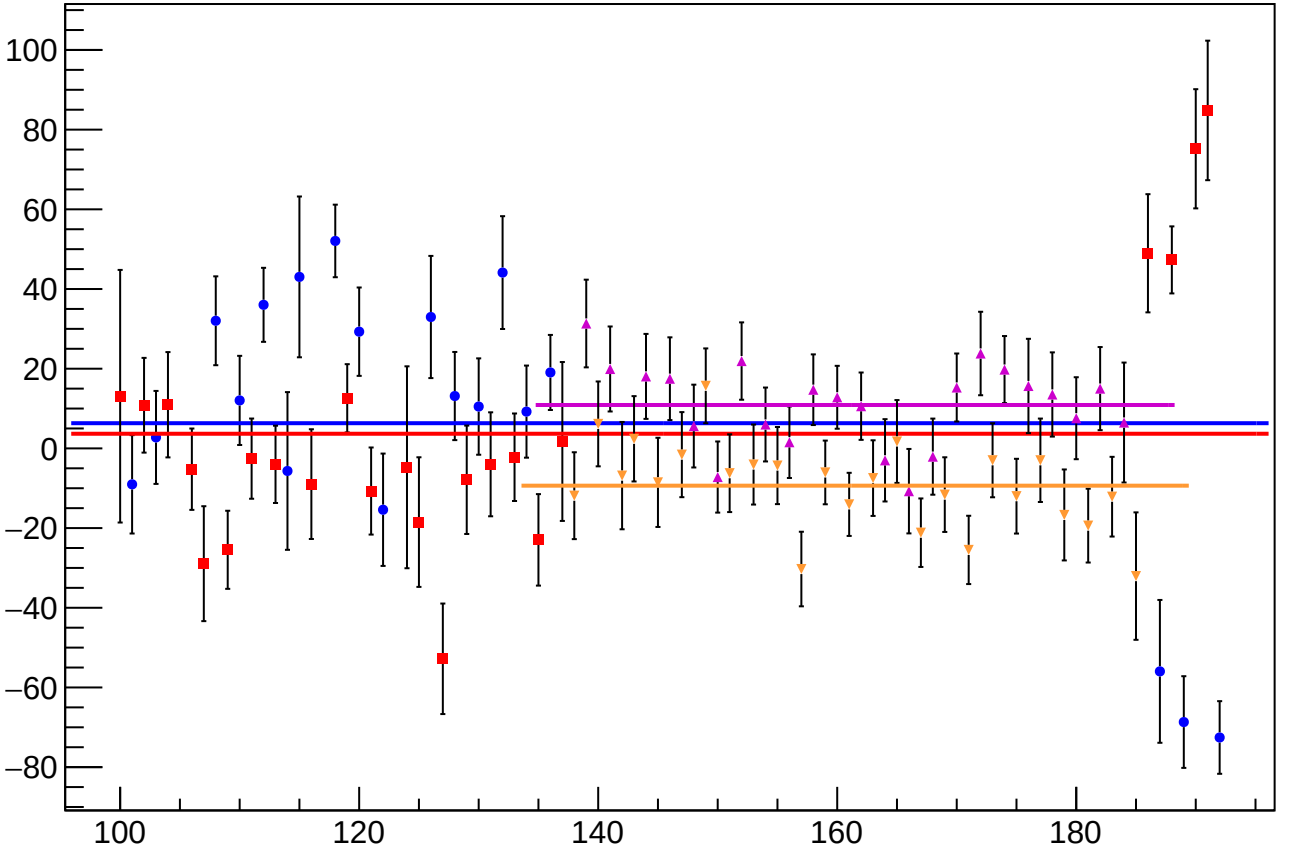
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1029.265+/-0.140 χ^2/NDF: 1863671.5/43

All: 1033.717+/-0.100 χ^2/NDF: 3600976.6/89

- sign 1038.323+/-0.142 χ^2/NDF: 1735236.4/45

diff_bpm0l08X_mean vs Slug



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

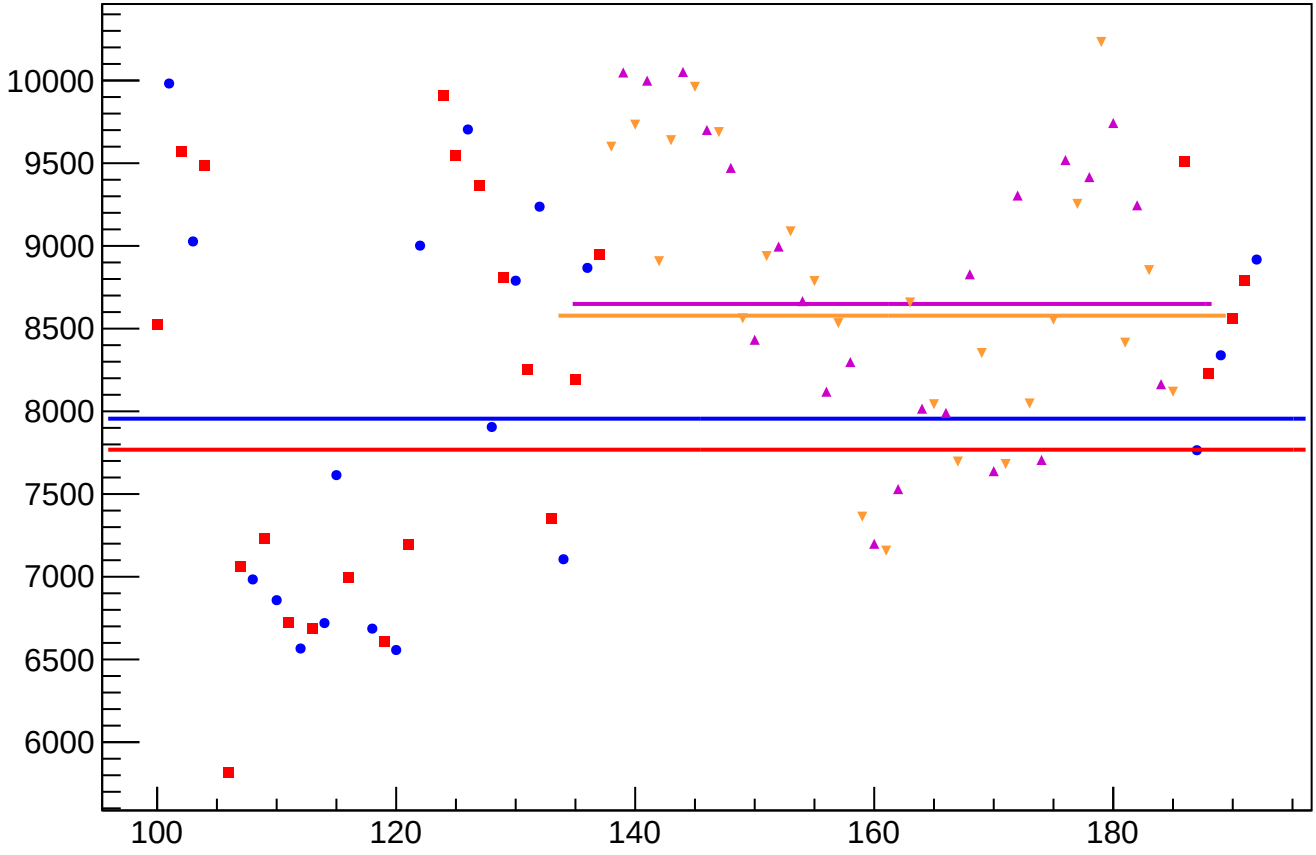
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -3.903+/-1.590 χ^2/NDF: 245.6/43

All: 2.068+/-1.126 χ^2/NDF: 428.3/89

- sign 8.080+/-1.596 χ^2/NDF: 154.4/45

diff_bpm0l08X_rms vs Slug



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

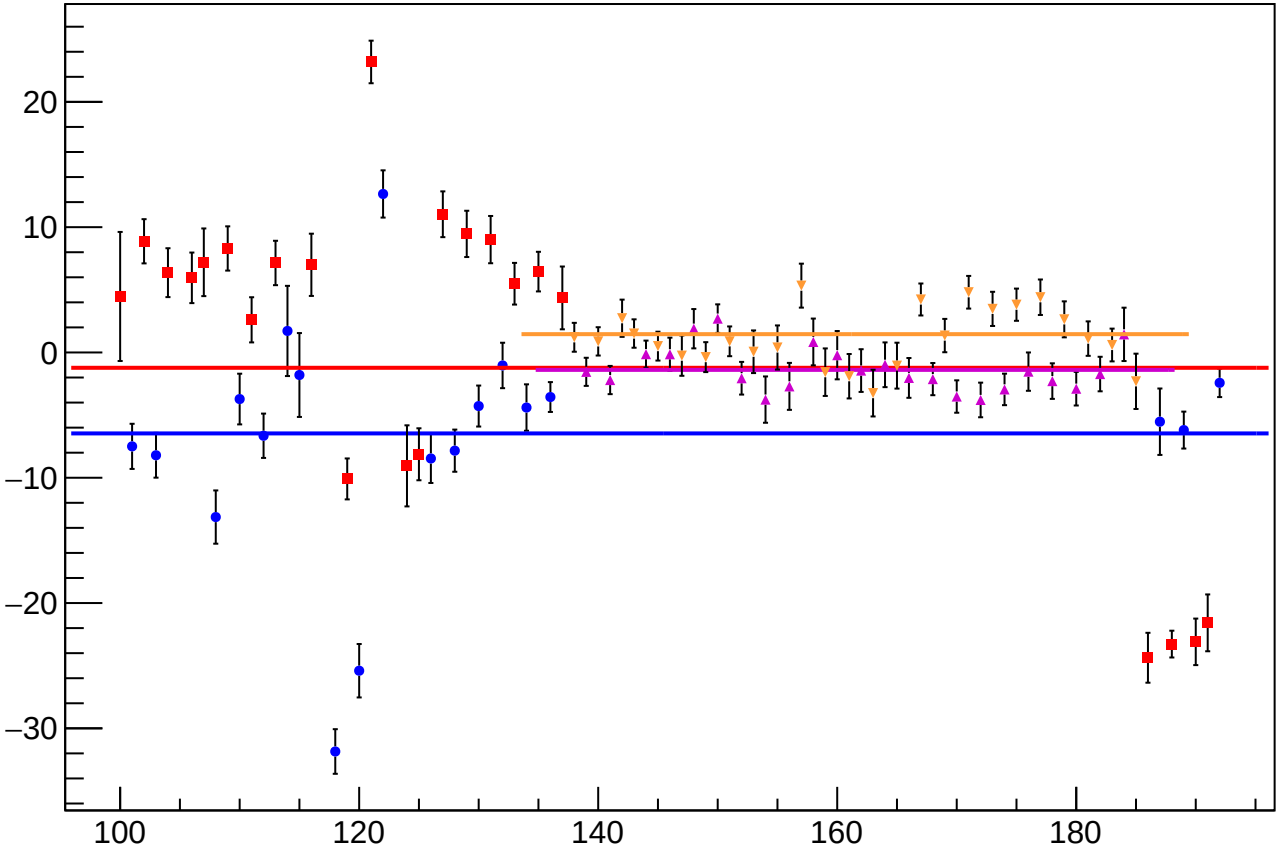
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8361.823+/-1.125 χ^2/NDF: 759461.9/43

All: 8333.958+/-0.797 χ^2/NDF: 1681248.0/89

- sign 8305.906+/-1.128 χ^2/NDF: 920554.0/45

diff_bpm0l08Y_mean vs Slug



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

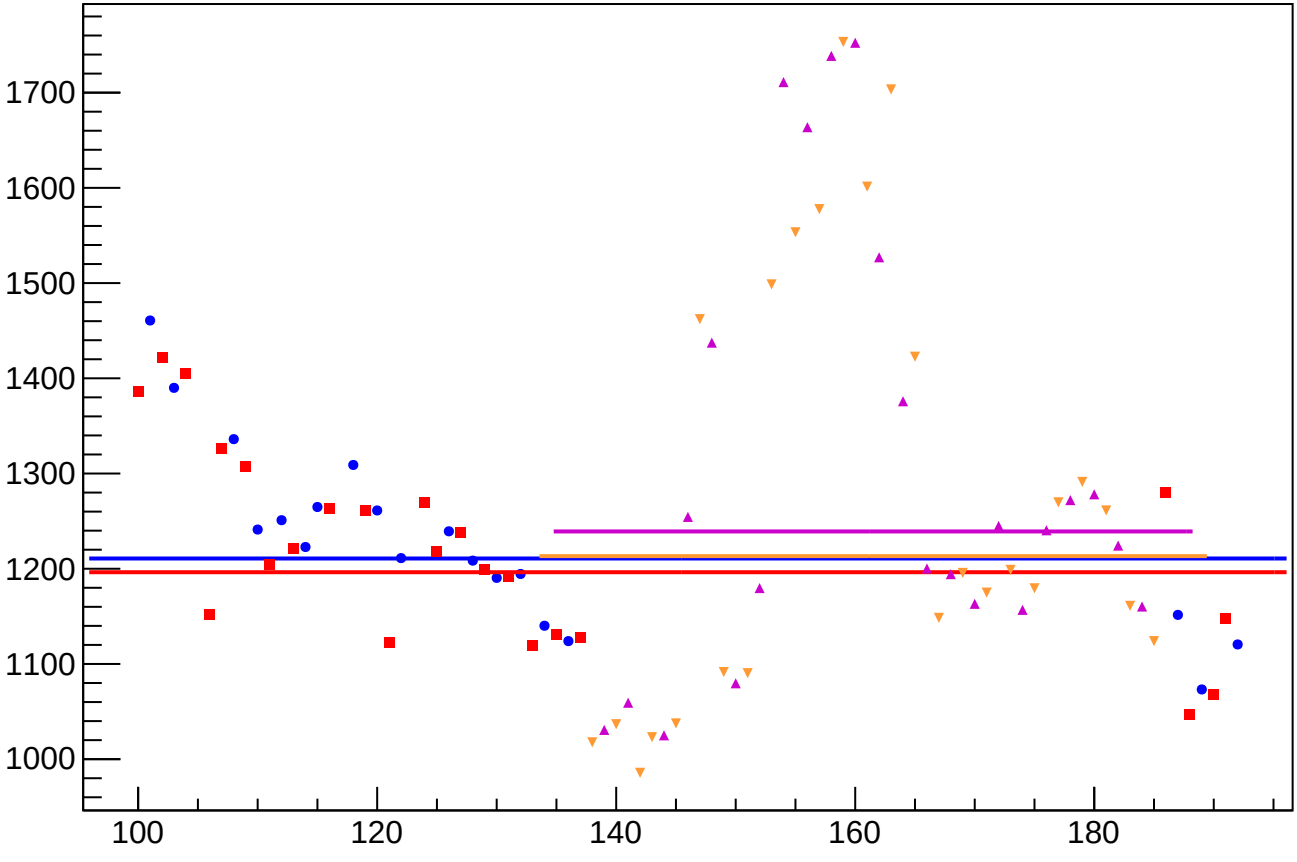
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.095+/-0.231 χ^2/NDF: 745.8/43

All: -1.210+/-0.165 χ^2/NDF: 2106.0/89

- sign -1.330+/-0.235 χ^2/NDF: 1359.7/45

diff_bpm0l08Y_rms vs Slug



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

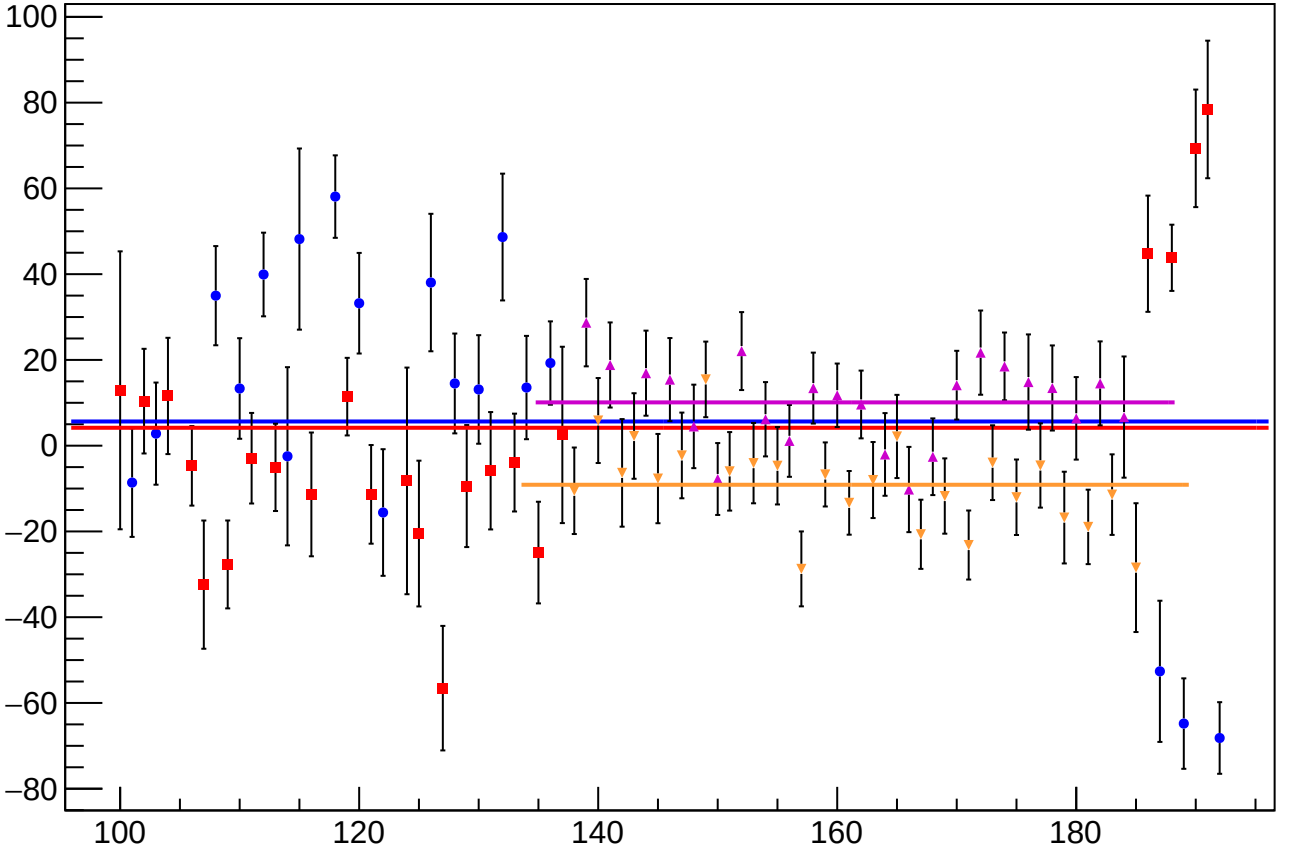
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1212.456+/-0.163 χ^2/NDF: 1133027.5/43

All: 1217.956+/-0.116 χ^2/NDF: 2181376.3/89

- sign 1223.651+/-0.166 χ^2/NDF: 1046038.6/45

diff_bpm0l09X_mean vs Slug



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

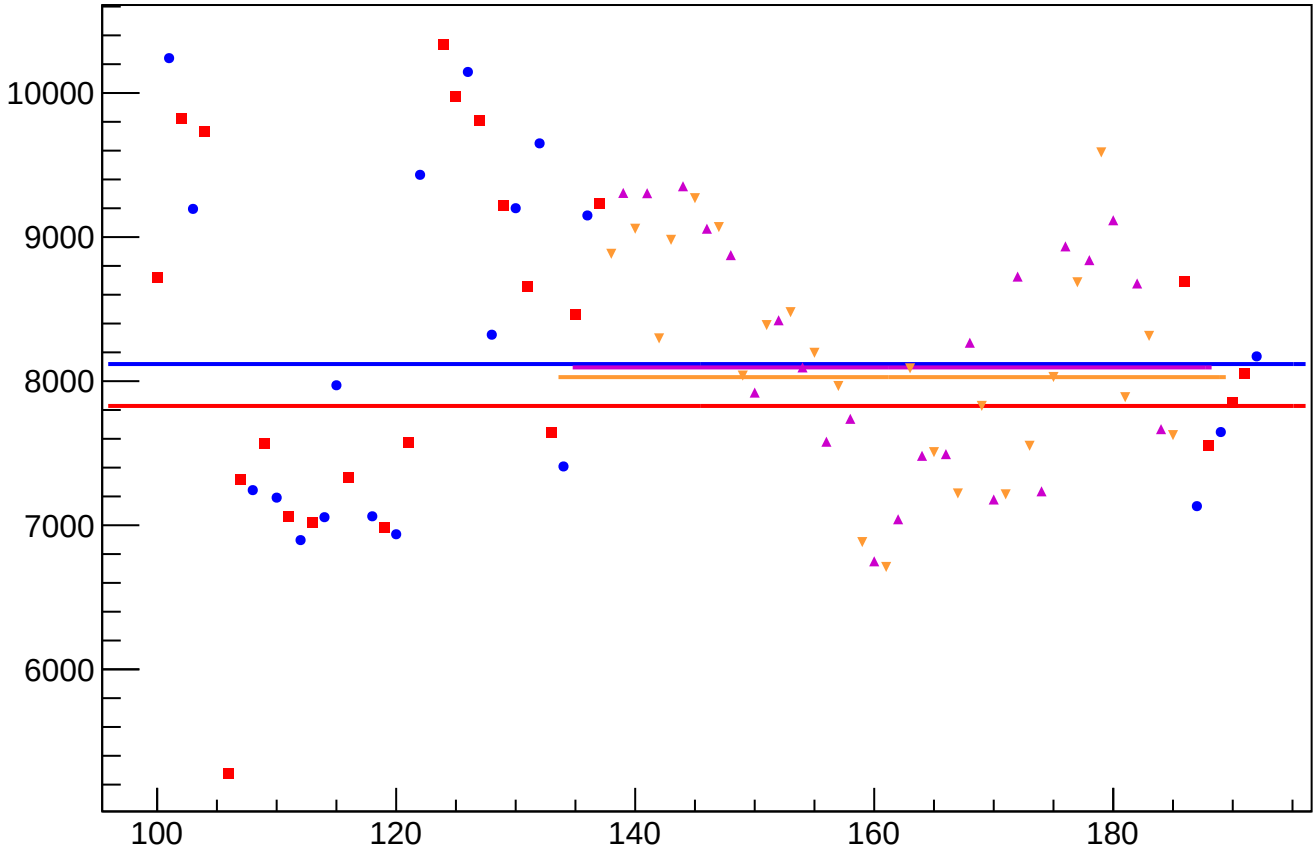
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -4.539+/-1.530 χ^2/NDF: 261.9/43

All: 1.708+/-1.084 χ^2/NDF: 452.3/89

- sign 7.996+/-1.535 χ^2/NDF: 157.0/45

diff_bpm0l09X_rms vs Slug



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

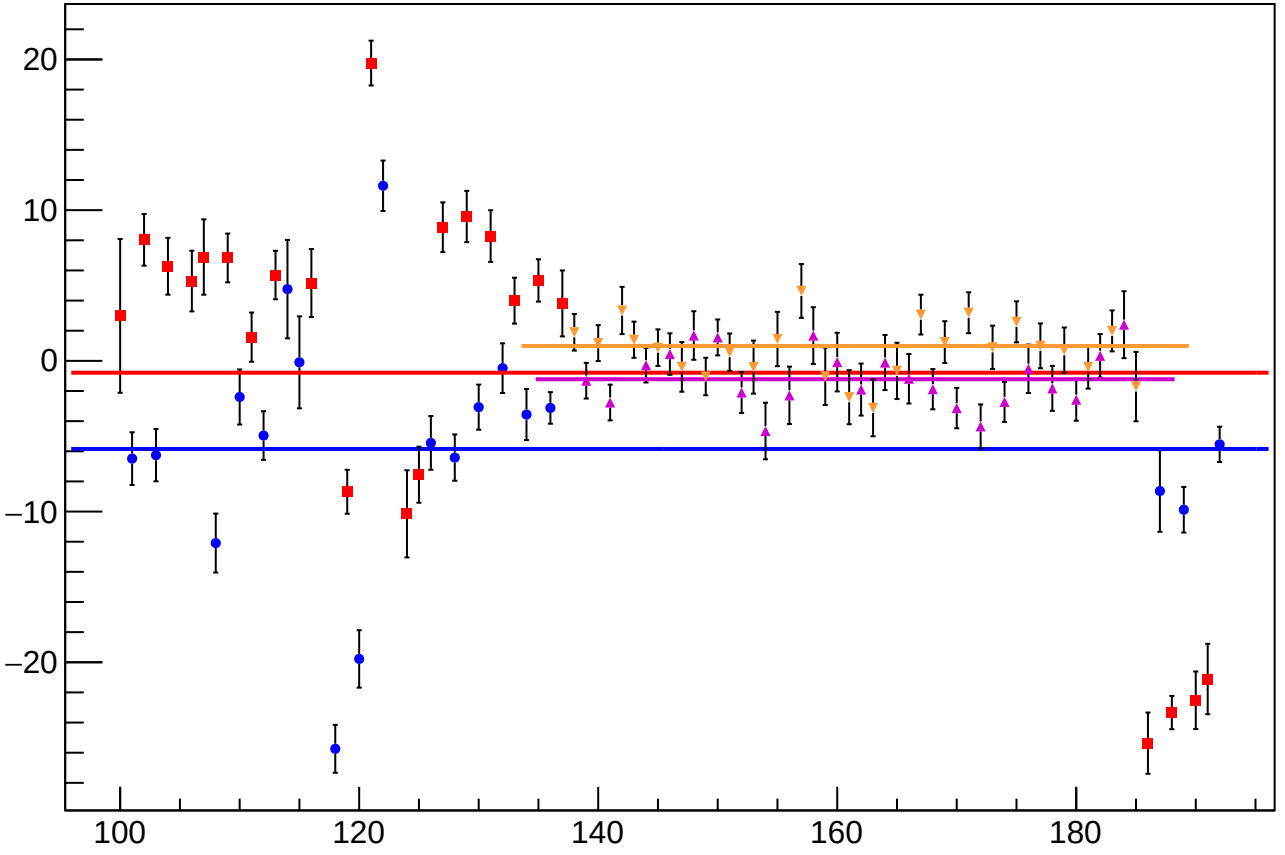
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 8056.186+/-1.082 χ^2/NDF: 636811.9/43

All: 8028.466+/-0.766 χ^2/NDF: 1453603.4/89

- sign 8000.566+/-1.086 χ^2/NDF: 815475.0/45

diff_bpm0l09Y_mean vs Slug



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

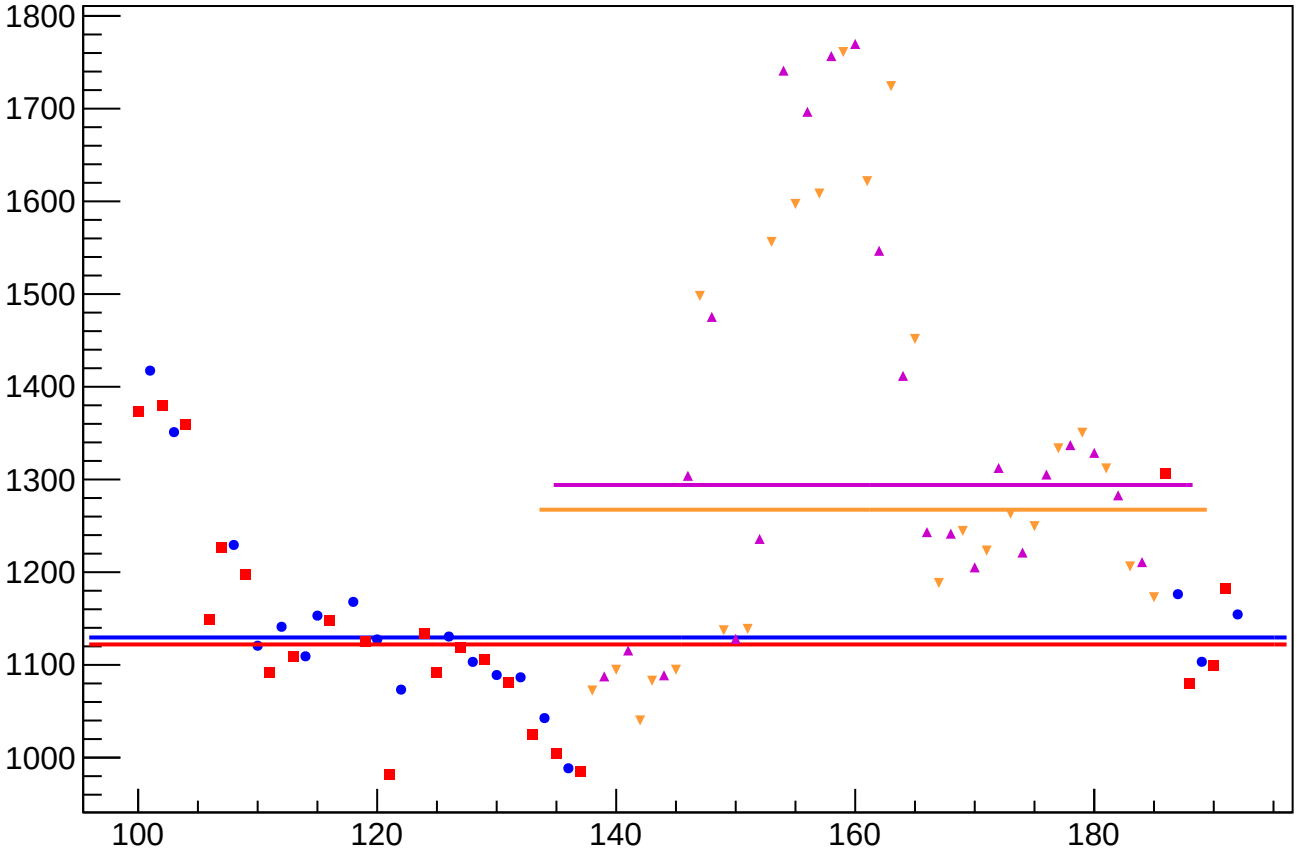
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.557+/-0.232 χ^2/NDF: 613.2/43

All: -1.303+/-0.165 χ^2/NDF: 1902.9/89

- sign -1.041+/-0.235 χ^2/NDF: 1287.3/45

diff_bpm0l09Y_rms vs Slug



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

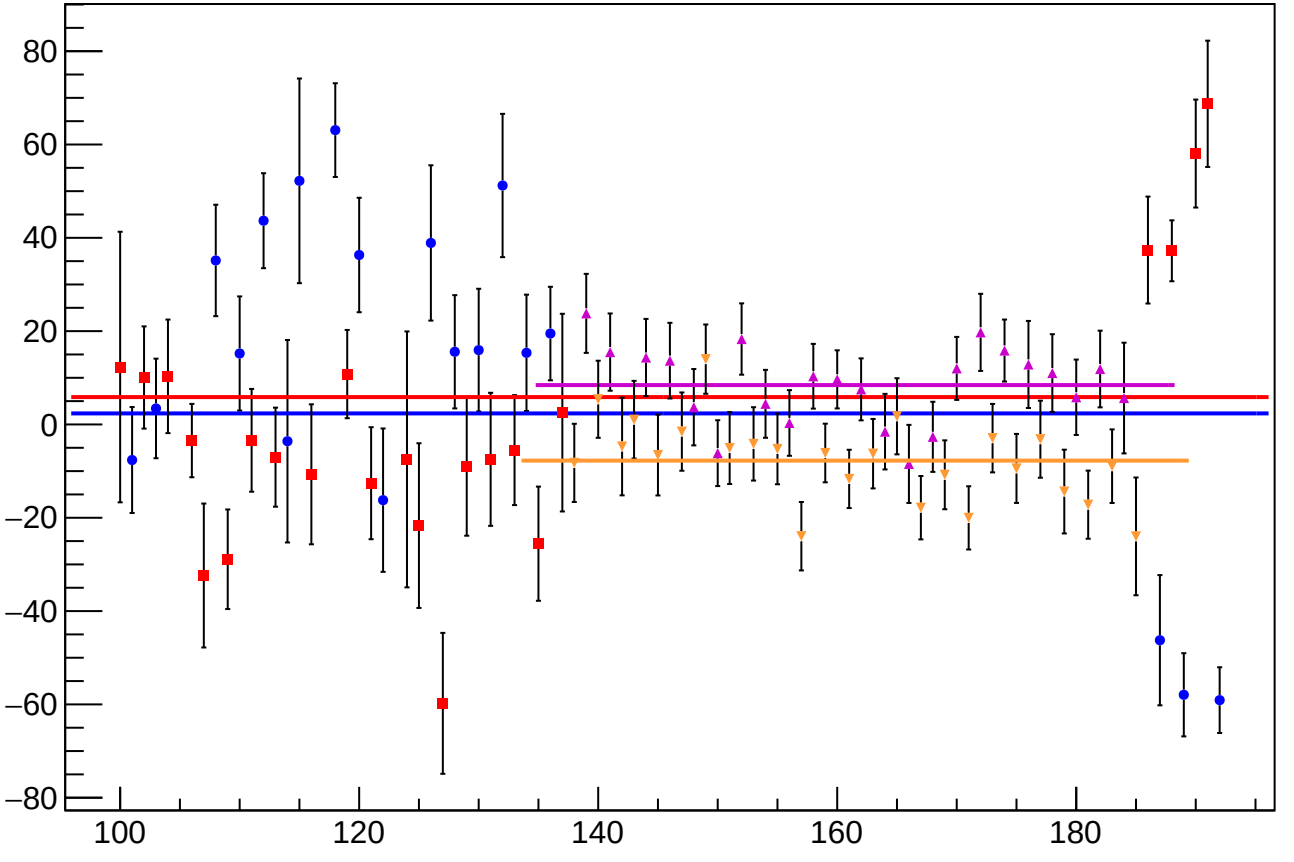
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1216.071+/-0.164 χ^2/NDF: 1186733.0/43

All: 1219.573+/-0.117 χ^2/NDF: 2367190.3/89

- sign 1223.179+/-0.166 χ^2/NDF: 1179529.3/45

diff_bpm0l10X_mean vs Slug



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

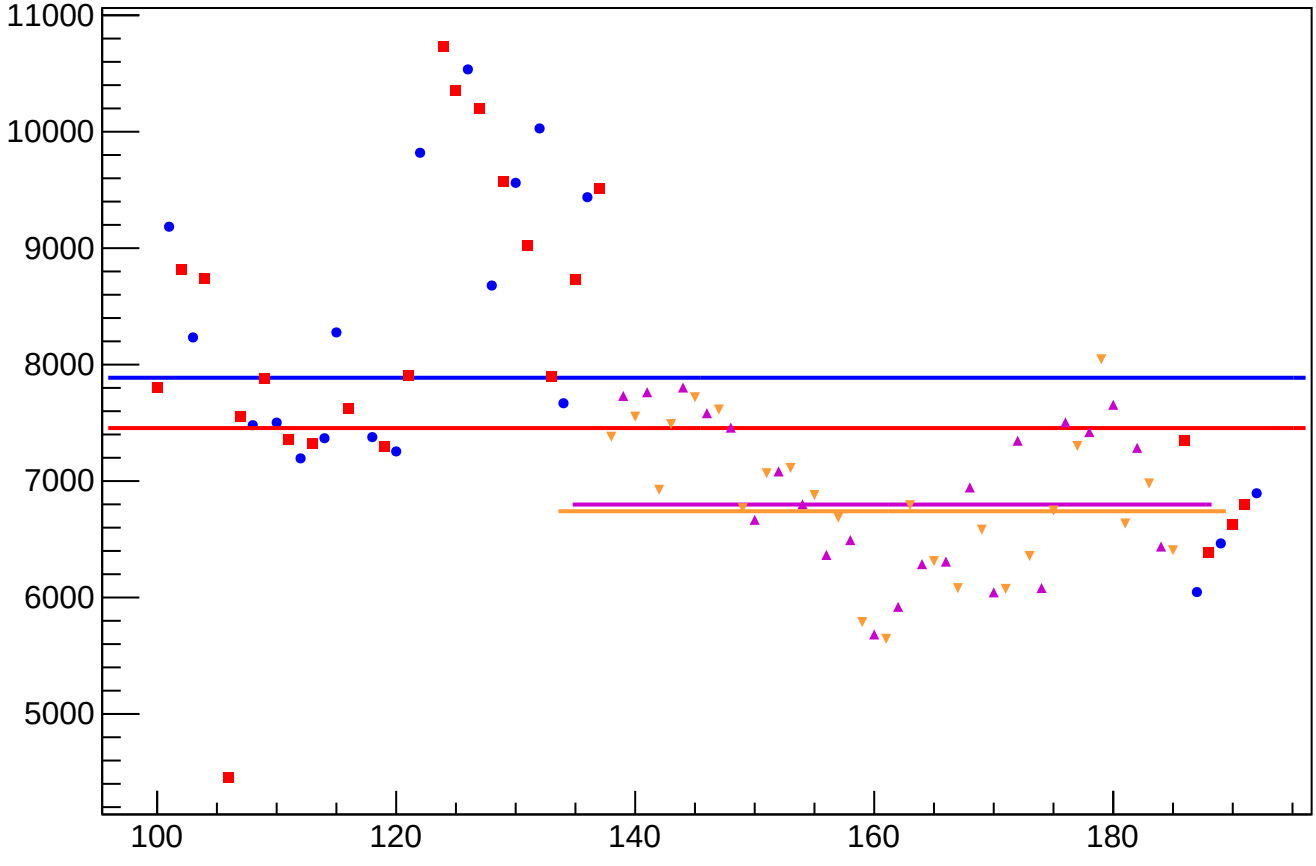
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -5.220+/-1.339 χ^2/NDF: 273.1/43

All: 1.195+/-0.949 χ^2/NDF: 472.9/89

- sign 7.675+/-1.346 χ^2/NDF: 153.6/45

diff_bpm0l10X_rms vs Slug



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

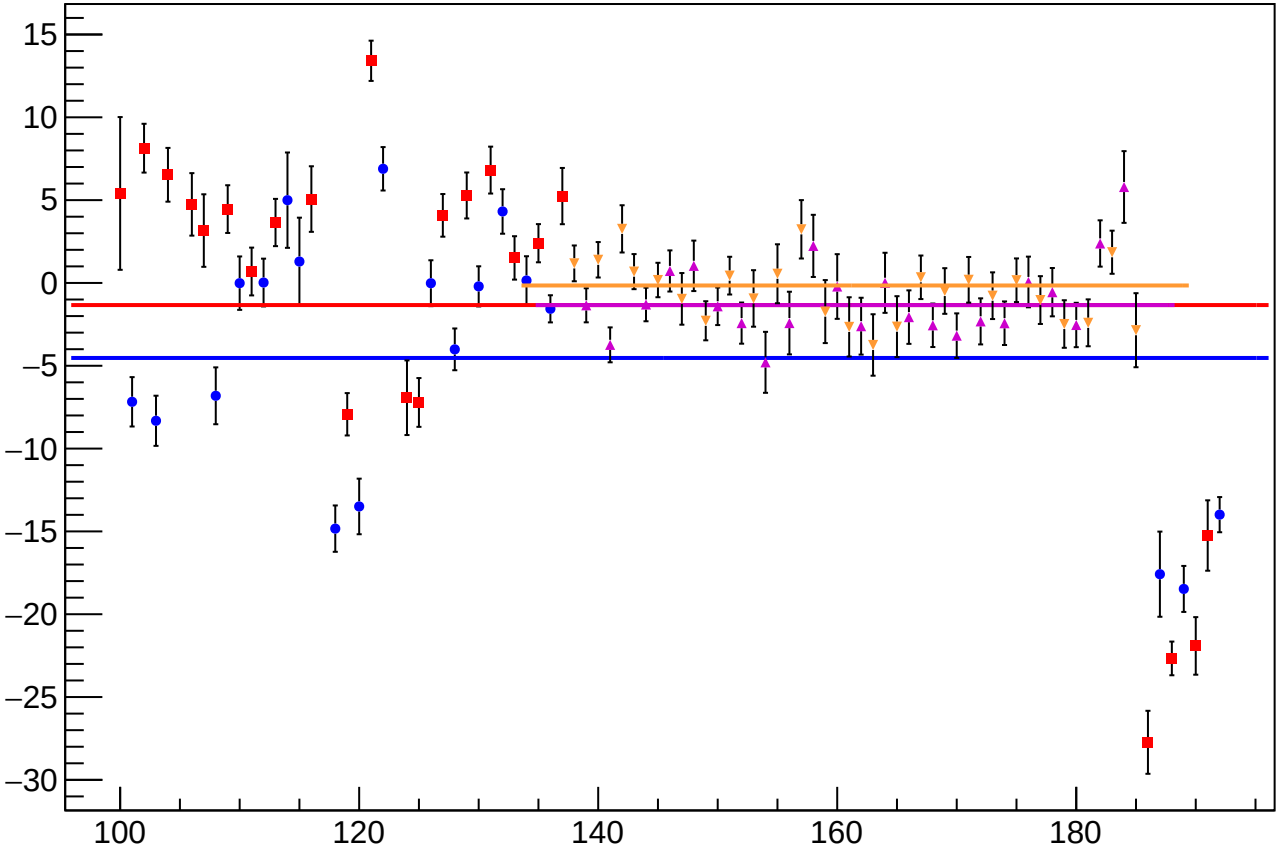
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 7027.710+/-0.947 χ^2/NDF: 981518.8/43

All: 7010.549+/-0.671 χ^2/NDF: 2112495.7/89

- sign 6993.215+/-0.952 χ^2/NDF: 1130316.7/45

diff_bpm0l10Y_mean vs Slug



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

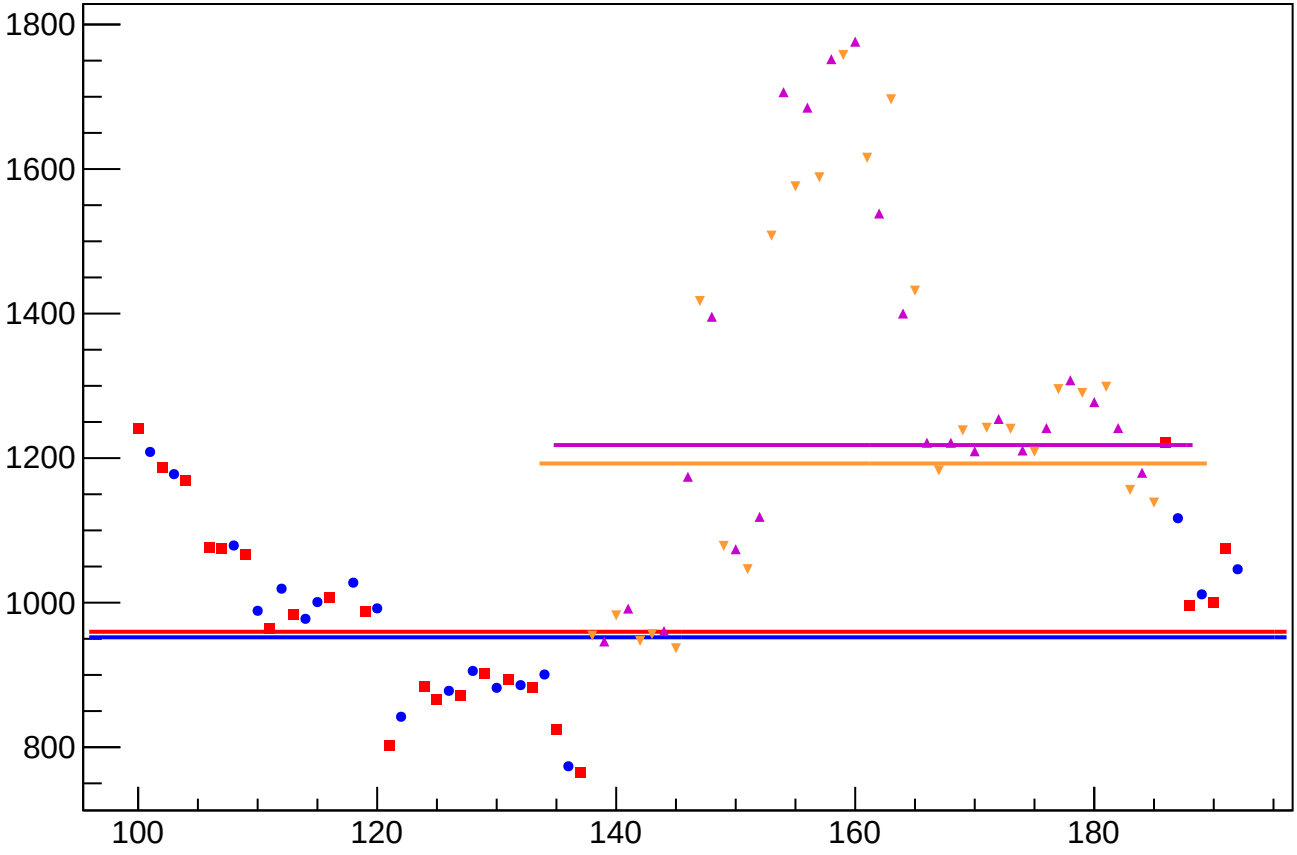
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -2.017+/-0.210 χ^2/NDF: 642.3/43

All: -1.682+/-0.149 χ^2/NDF: 1929.5/89

- sign -1.336+/-0.213 χ^2/NDF: 1282.0/45

diff_bpm0l10Y_rms vs Slug



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

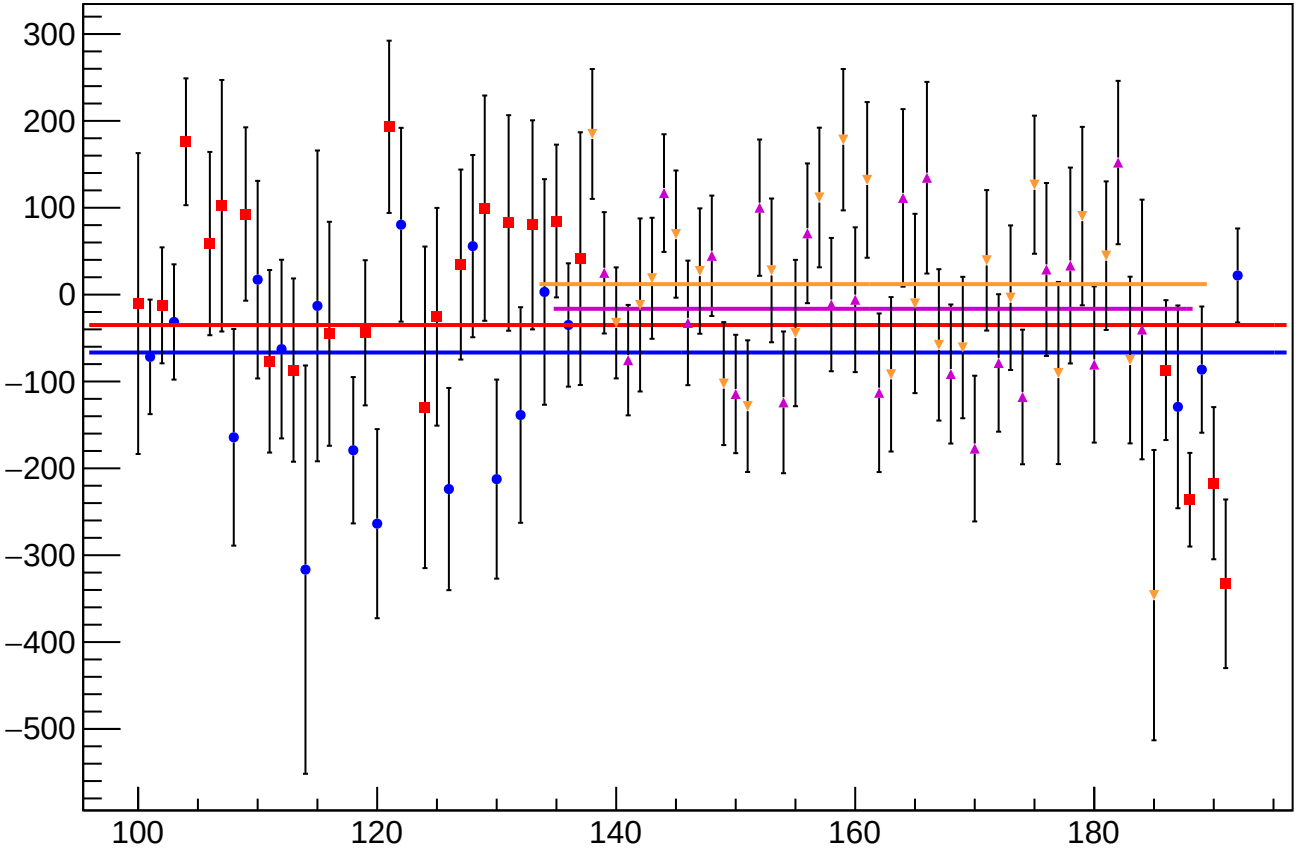
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1090.089+/-0.148 χ^2/NDF: 2250778.6/43

All: 1094.539+/-0.106 χ^2/NDF: 4395581.9/89

- sign 1099.141+/-0.151 χ^2/NDF: 2142969.6/45

diff_bpm0r03X_mean vs Slug



Right In: -66.634+/-21.243 χ^2/NDF: 18.1/18

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

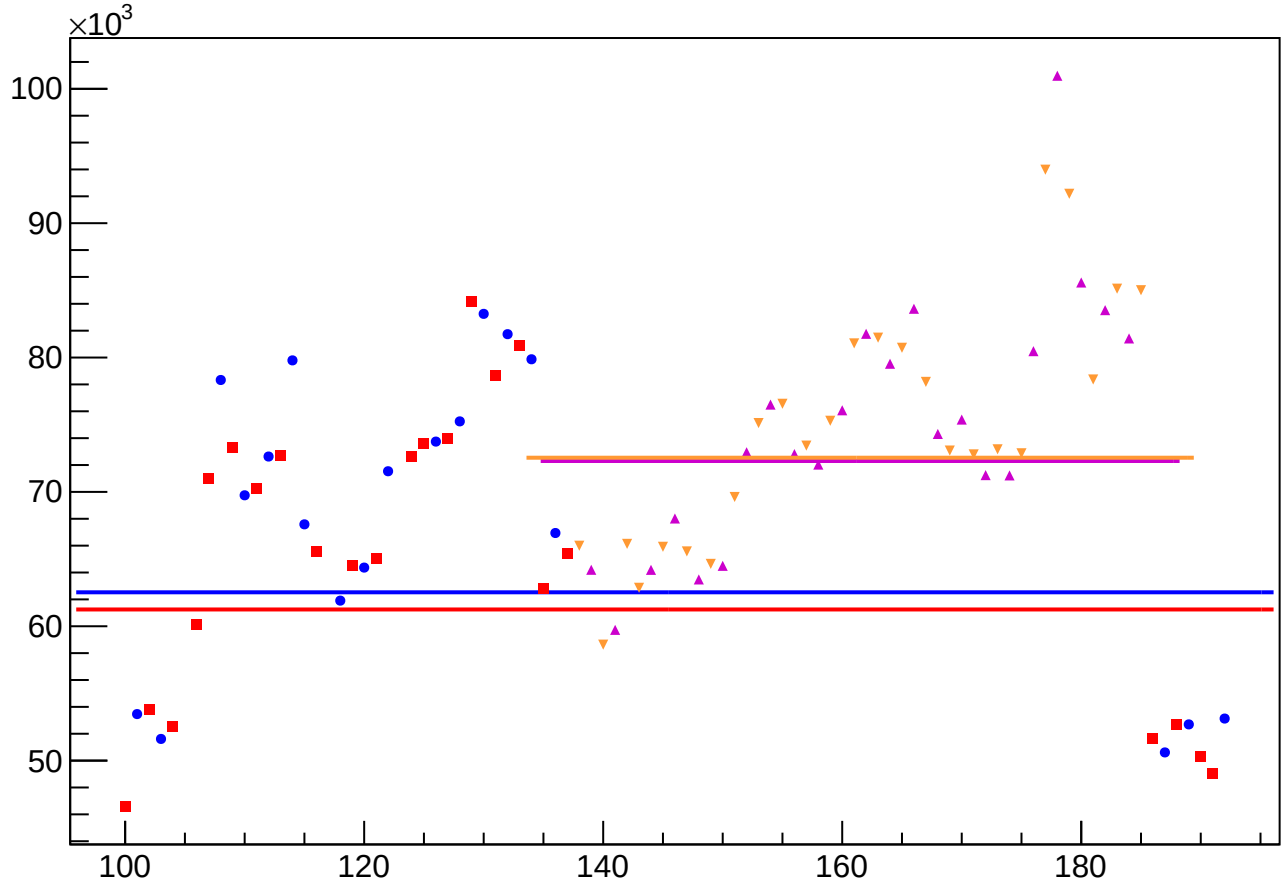
Right Out: -35.007+/-20.202 χ^2/NDF: 51.3/22

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

\+ sign -17.779+/-13.084 χ^2/NDF: 59.4/43

All: -20.950+/-9.227 χ^2/NDF: 140.1/89

\- sign -24.087+/-13.015 χ^2/NDF: 80.5/45



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

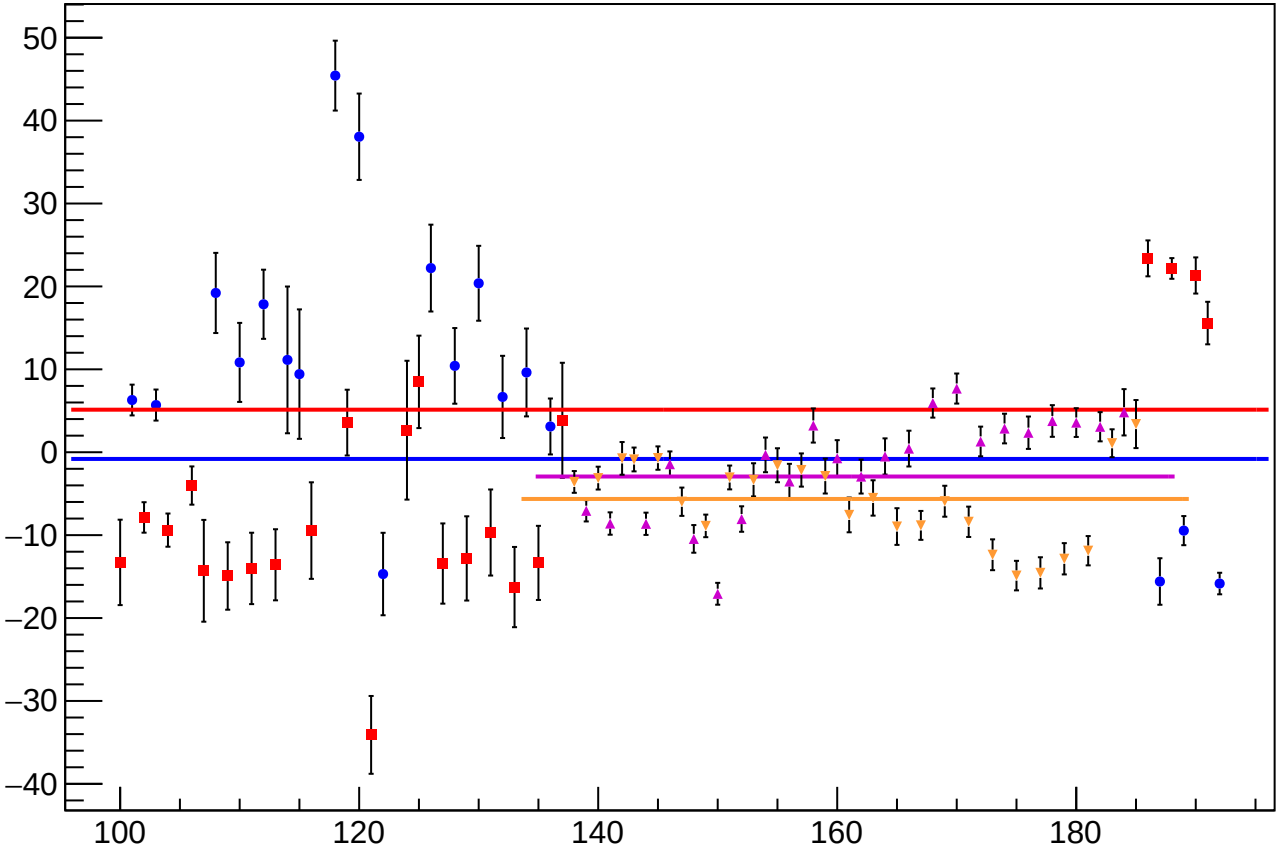
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 68744.359+/-9.252 χ^2/NDF: 1276075.1/43

All: 68226.366+/-6.525 χ^2/NDF: 2627137.4/8

- sign 67713.785+/-9.203 χ^2/NDF: 1344825.5/45

diff_bpm0r03Y_mean vs Slug



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

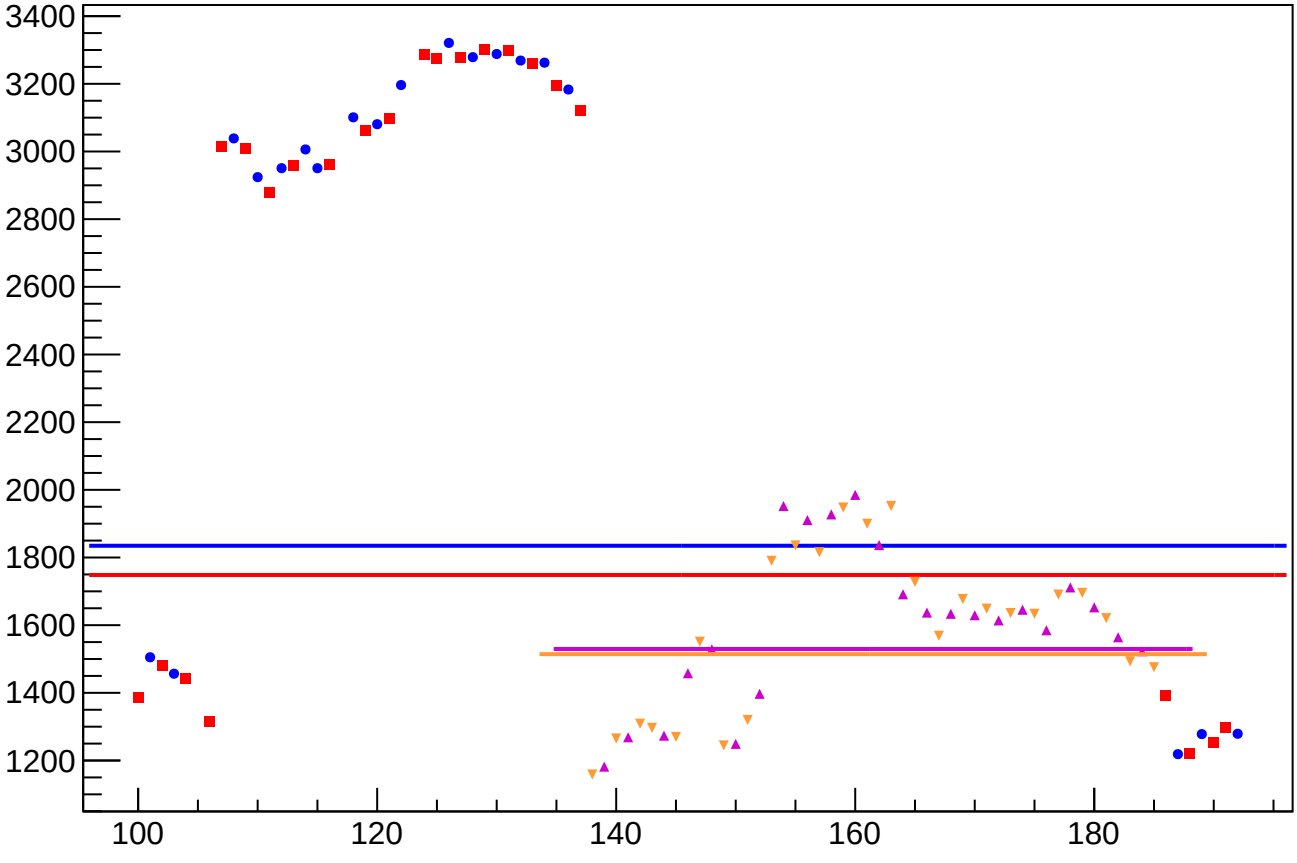
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -4.607+/-0.310 χ^2/NDF: 716.8/43

All: -2.762+/-0.220 χ^2/NDF: 1933.8/89

- sign -0.878+/-0.313 χ^2/NDF: 1145.2/45

diff_bpm0r03Y_rms vs Slug



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

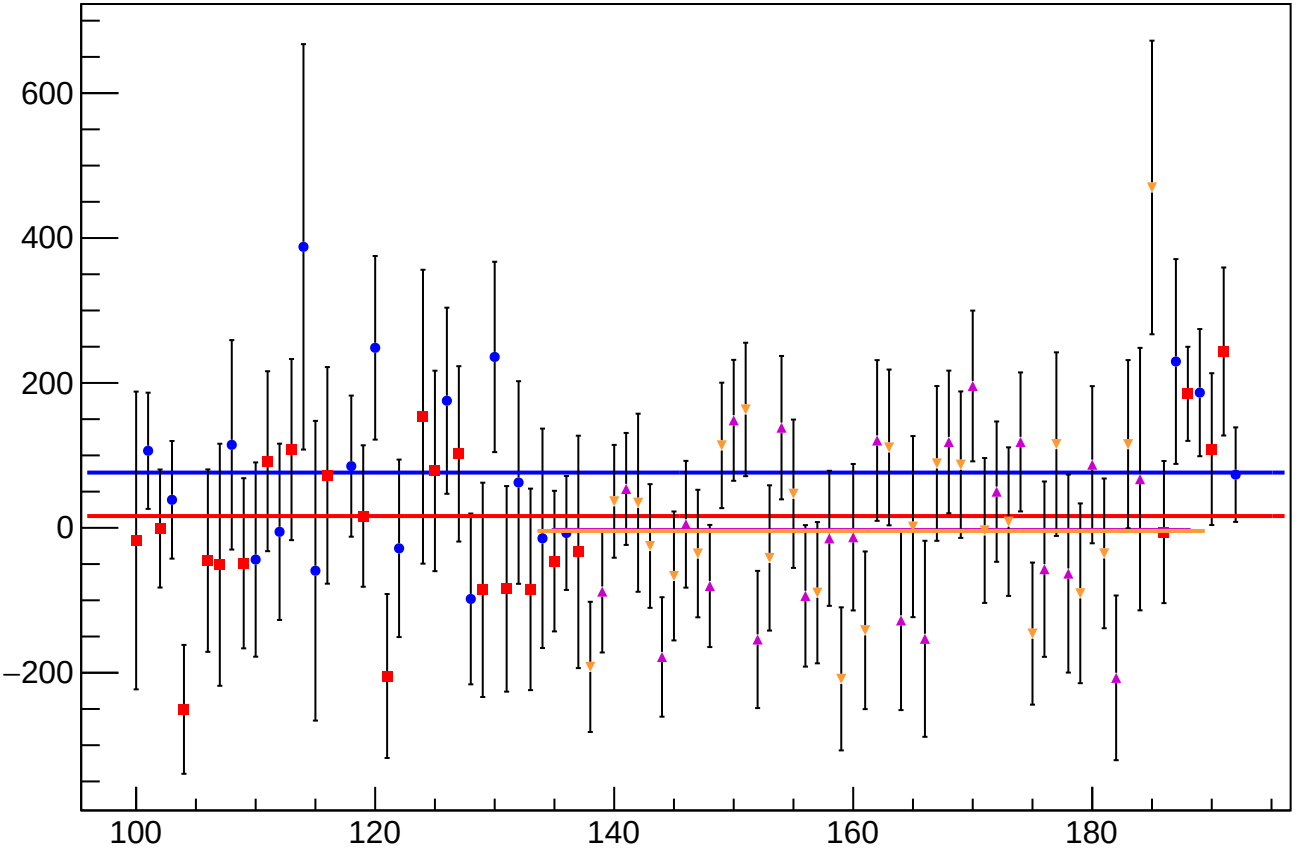
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1582.635+/-0.219 χ^2/NDF: 4193252.0/43

All: 1583.948+/-0.156 χ^2/NDF: 8262905.3/89

- sign 1585.289+/-0.221 χ^2/NDF: 4069580.6/45

diff_bpm0r05X_mean vs Slug



Right In: 76.288+/-24.916 χ^2/NDF: 14.4/18

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

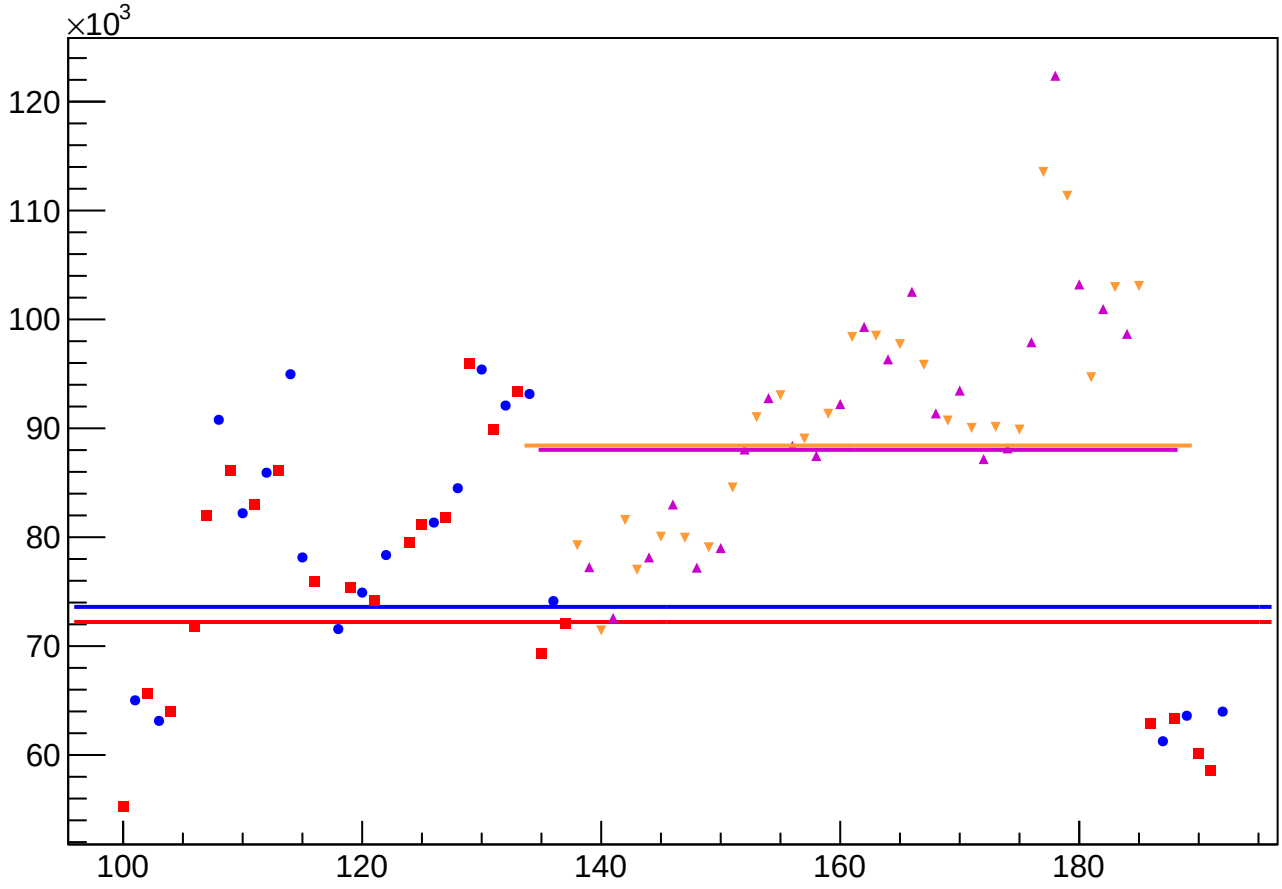
Right Out: 16.274+/-23.751 χ^2/NDF: 29.2/22

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 27.753+/-15.710 χ^2/NDF: 51.2/43

All: 16.467+/-11.074 χ^2/NDF: 112.5/89

- sign 5.320+/-15.614 χ^2/NDF: 60.3/45



Right In: 73601.407+/-17.619 χ^2/NDF: 362358.4/18

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 72214.053+/-16.795 χ^2/NDF: 386394.8/22

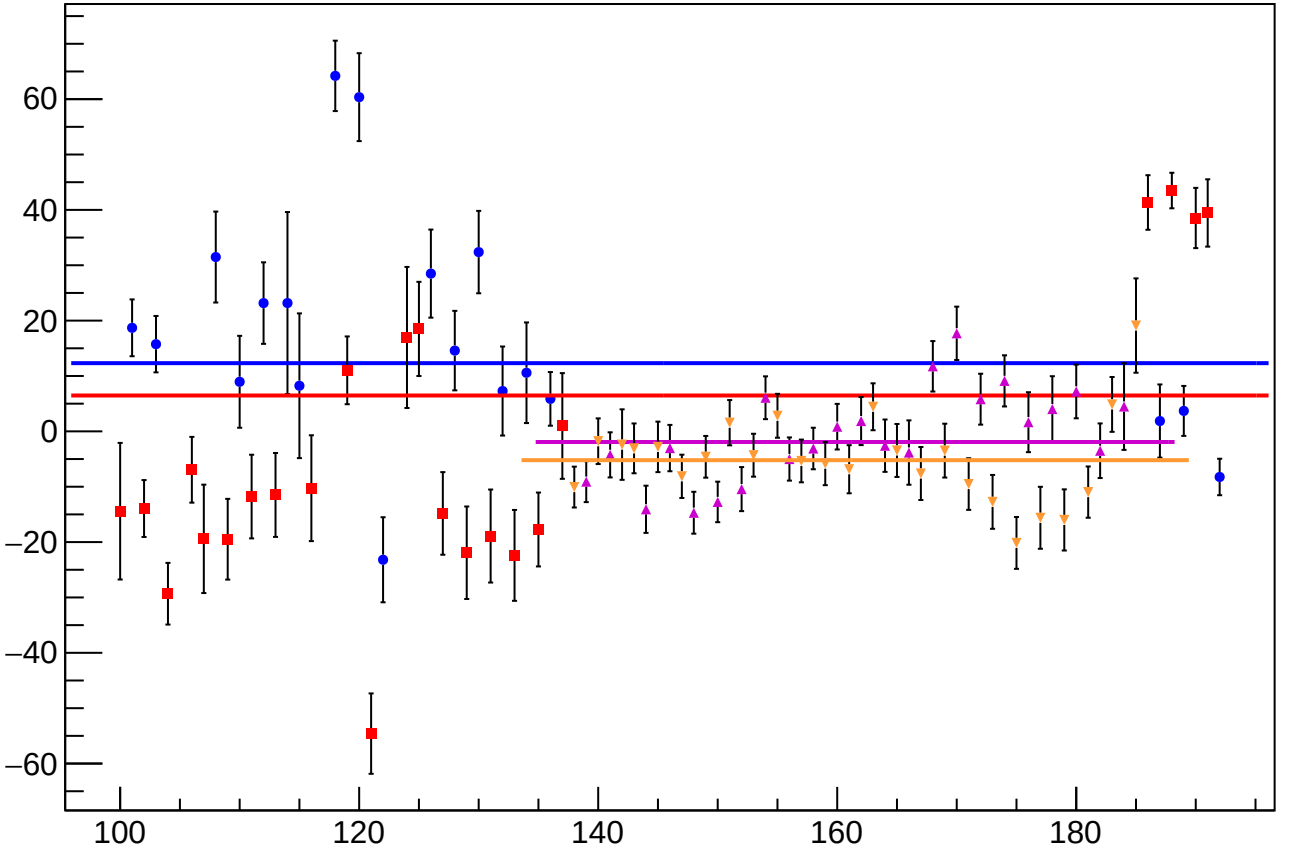
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 82527.795+/-11.109 χ^2/NDF: 1270384.7/43

All: 81855.584+/-7.831 χ^2/NDF: 2652054.3/8

- sign 81191.589+/-11.041 χ^2/NDF: 1374390.8/45

diff_bpm0r05Y_mean vs Slug



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

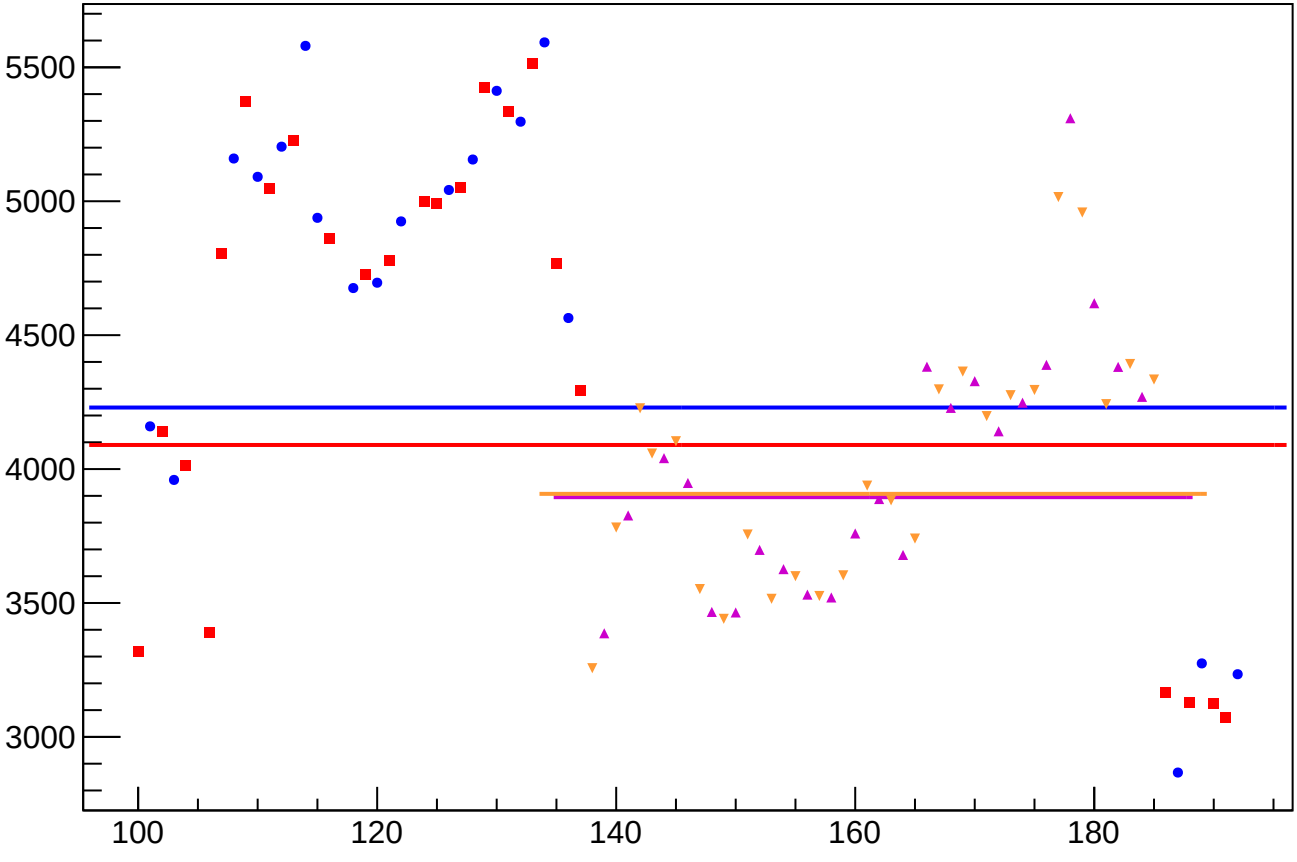
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -0.355+/-0.760 χ^2/NDF: 351.1/43

All: 0.170+/-0.537 χ^2/NDF: 936.8/89

- sign 0.695+/-0.760 χ^2/NDF: 584.7/45

diff_bpm0r05Y_rms vs Slug



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

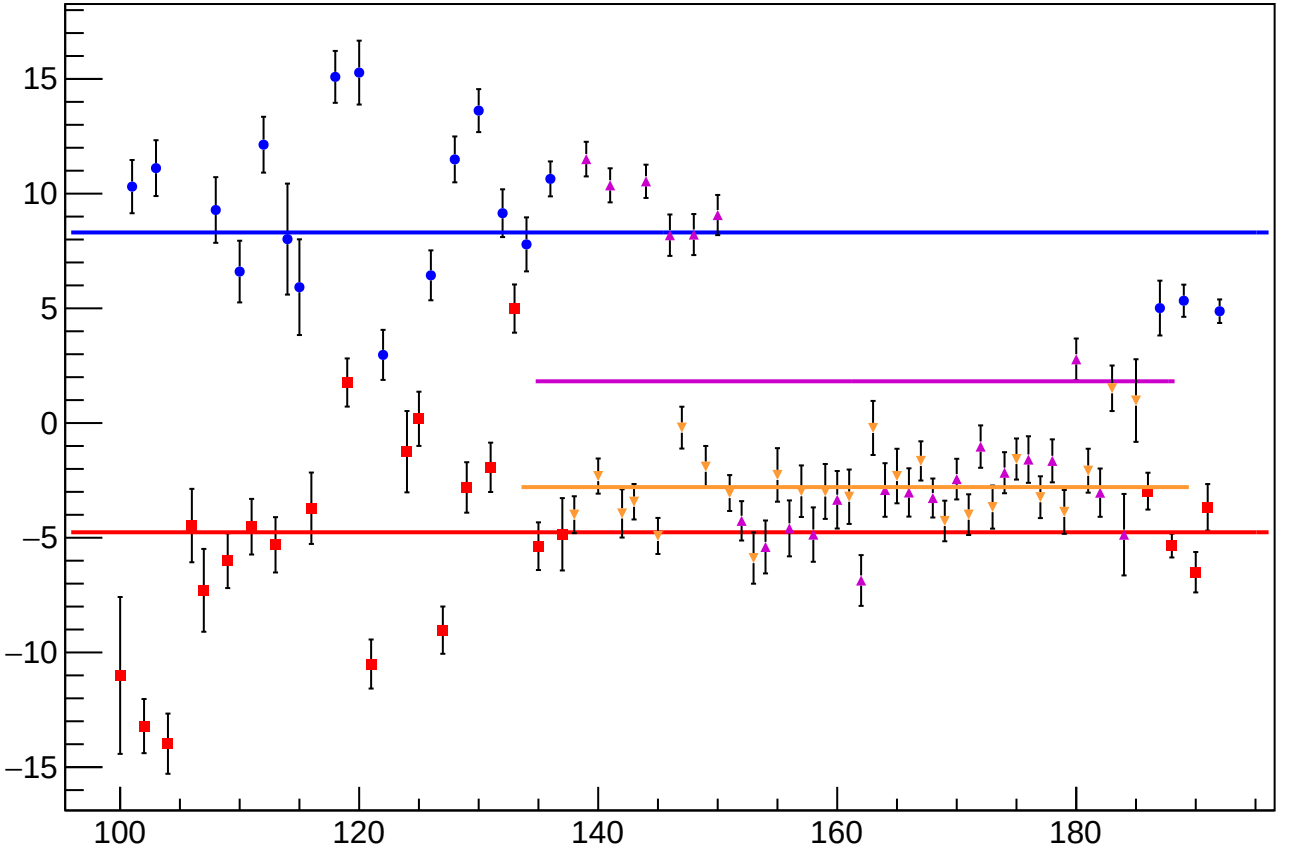
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3996.693+/-0.537 χ^2/NDF: 1205793.4/43

All: 3976.284+/-0.380 χ^2/NDF: 2497105.4/89

- sign 3955.876+/-0.537 χ^2/NDF: 1288428.4/45

diff_bpm2i01X_mean vs Slug



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

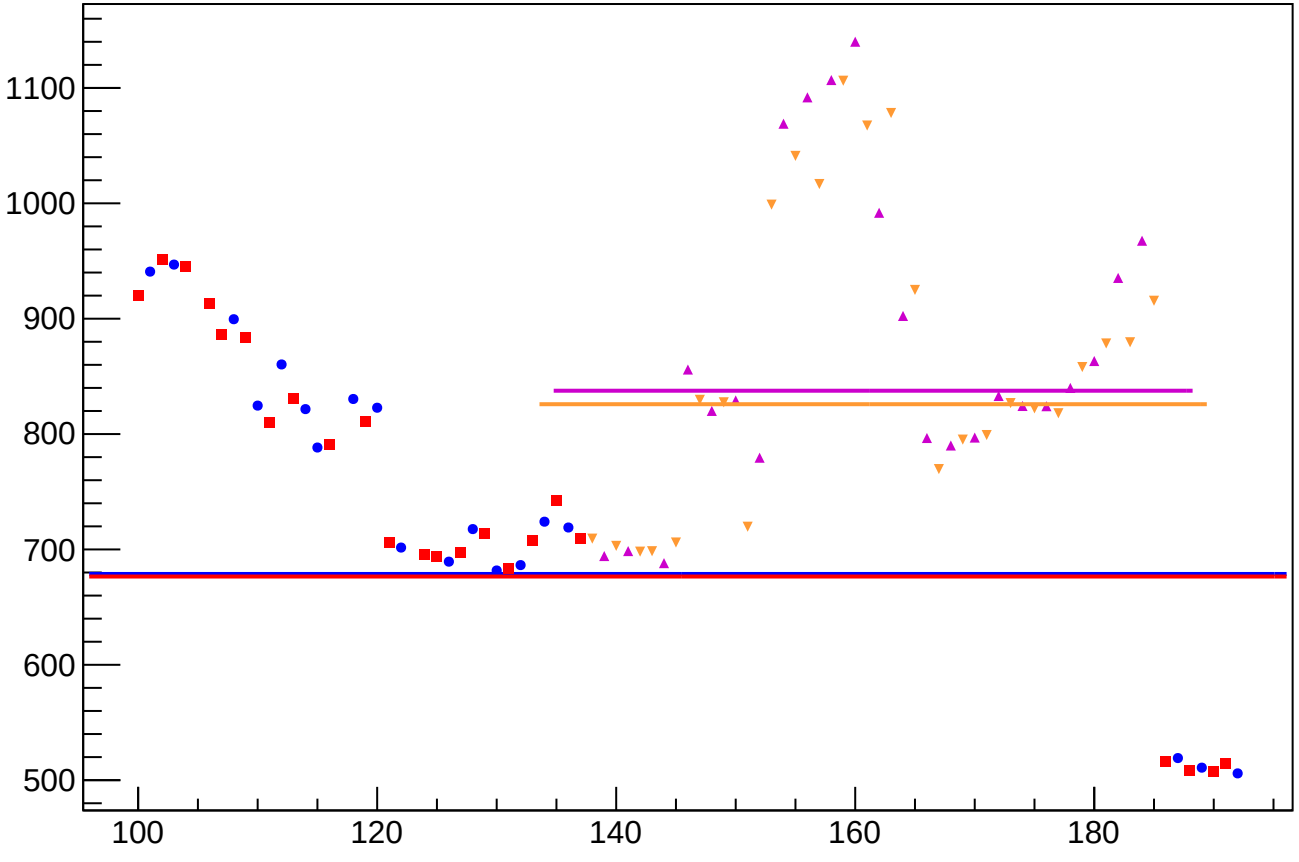
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.662+/-0.147 χ^2/NDF: 1669.4/43

All: 0.318+/-0.105 χ^2/NDF: 3668.0/89

- sign -1.056+/-0.149 χ^2/NDF: 1829.6/45

diff_bpm2i01X_rms vs Slug



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

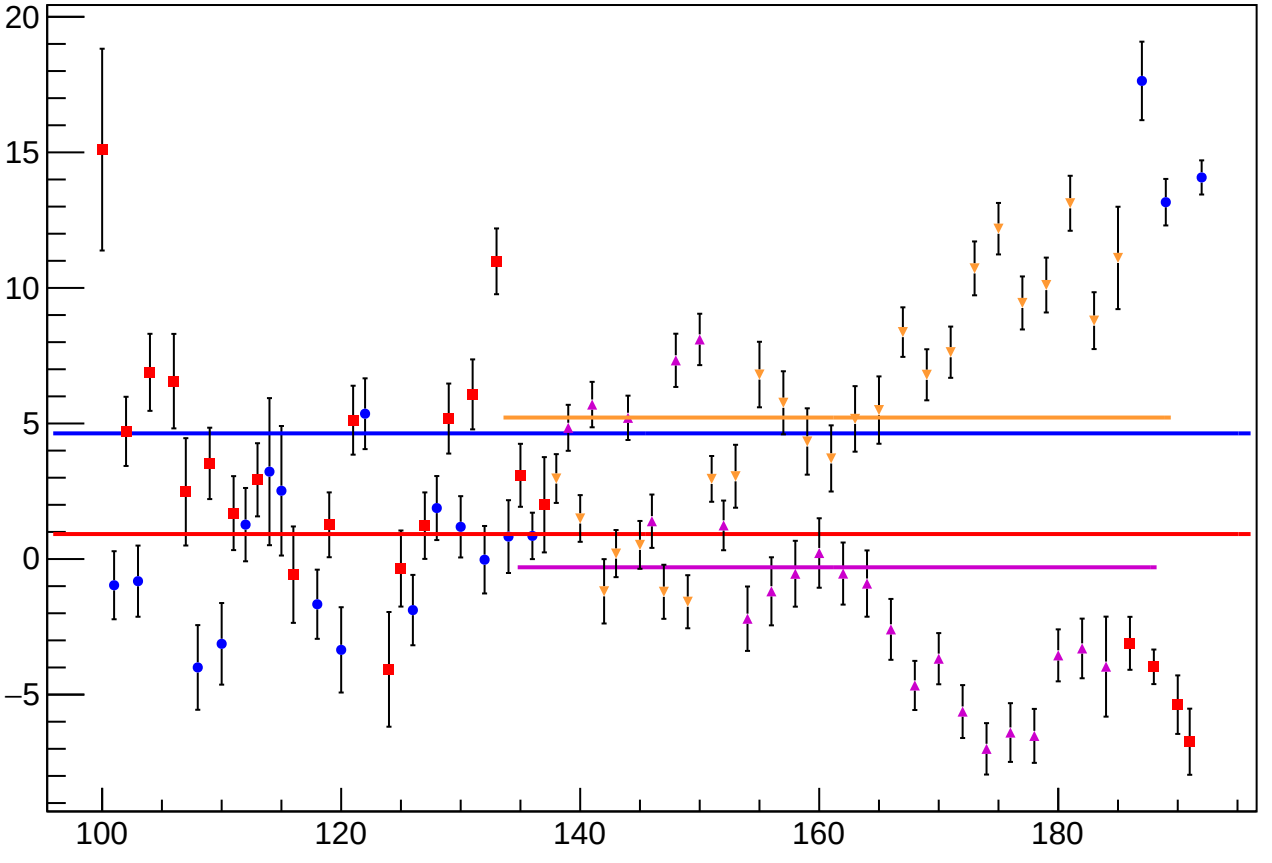
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

\+ sign 766.833+/-0.104 χ^2/NDF: 2020652.0/43

All: 767.005+/-0.074 χ^2/NDF: 4176761.2/89

\- sign 767.181+/-0.105 χ^2/NDF: 2156103.6/45

diff_bpm2i01Y_mean vs Slug



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

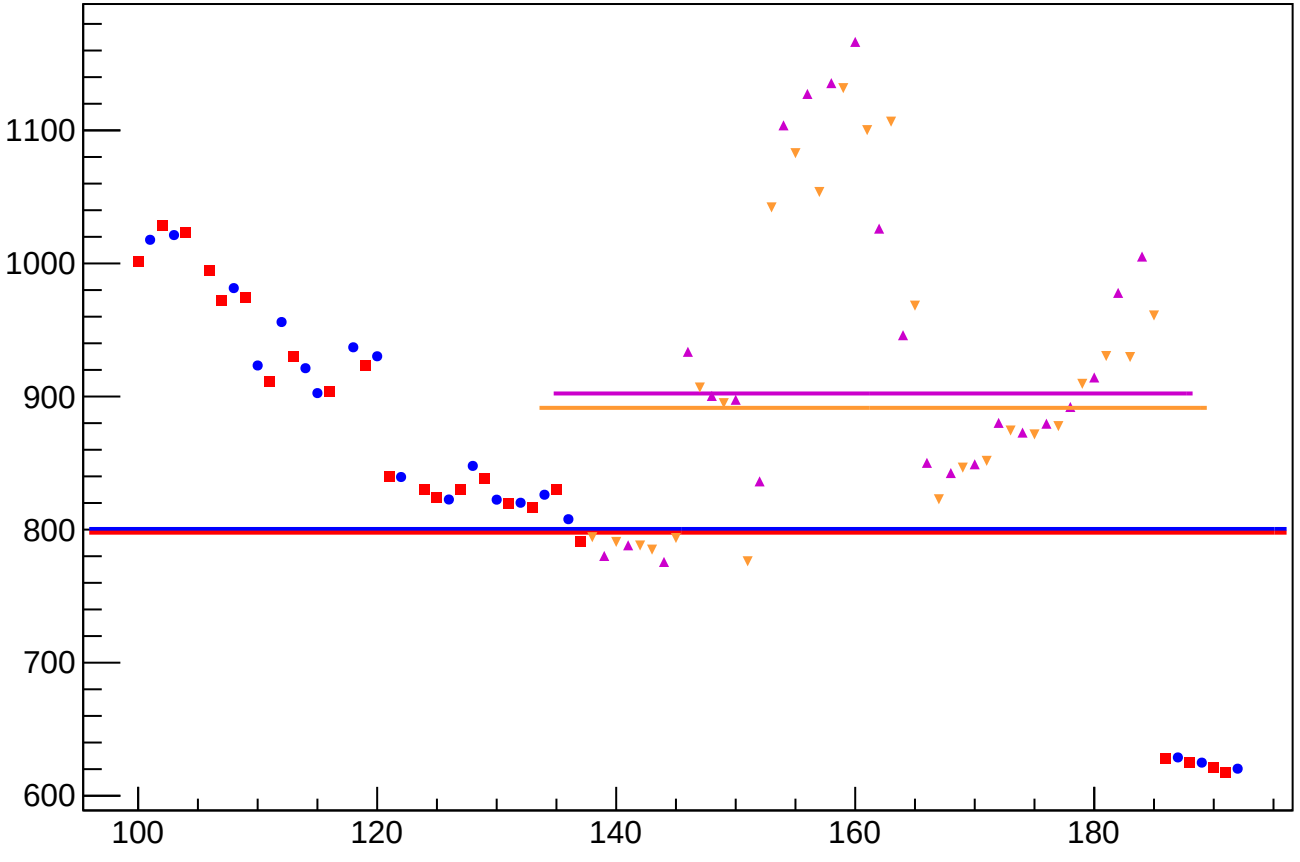
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

\+ sign 5.008+/-0.163 χ^2/NDF: 1090.6/43

All: 2.625+/-0.116 χ^2/NDF: 2355.9/89

\- sign 0.180+/-0.165 χ^2/NDF: 833.9/45

diff_bpm2i01Y_rms vs Slug



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

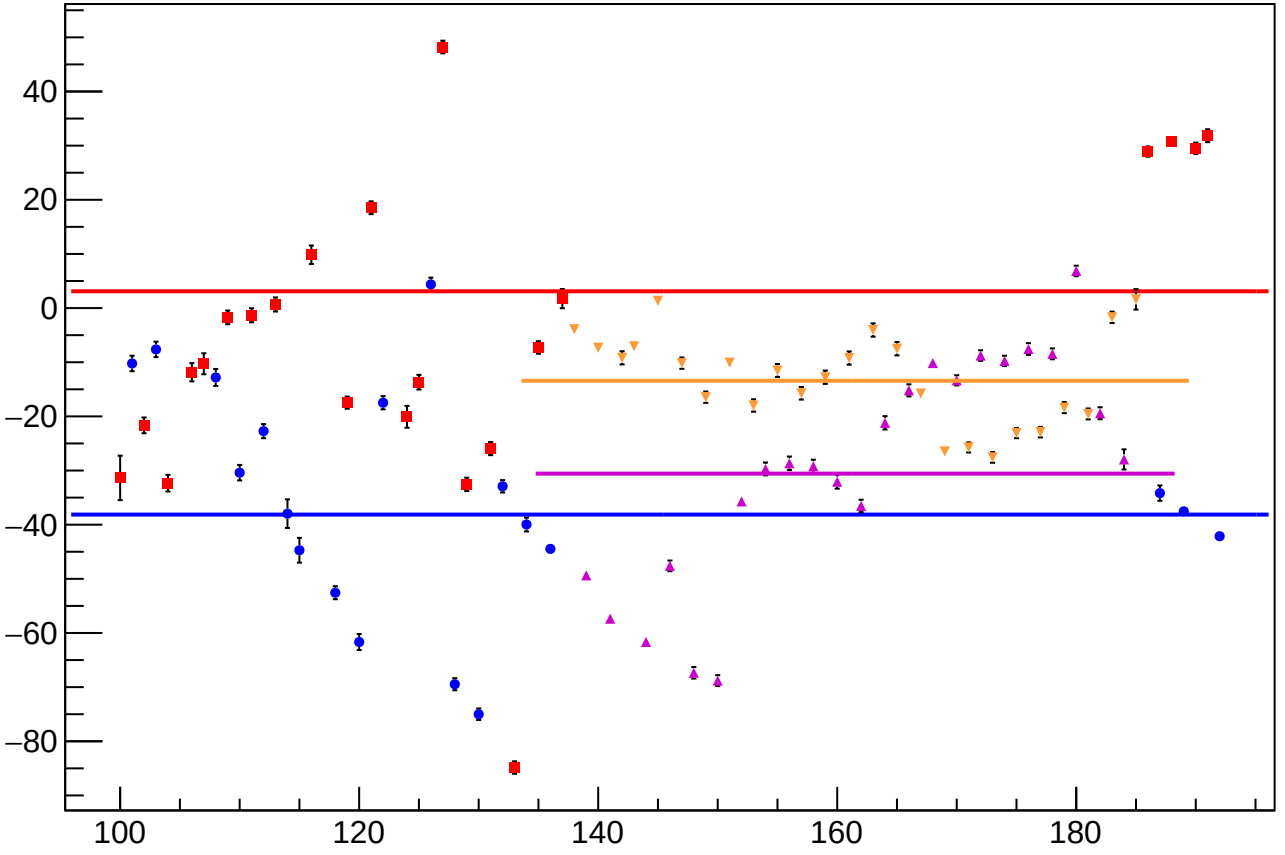
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 858.605+/-0.115 χ^2/NDF: 1171683.0/43

All: 859.769+/-0.082 χ^2/NDF: 2423434.0/89

- sign 860.962+/-0.117 χ^2/NDF: 1251545.2/45

diff_bpm2i02X_mean vs Slug



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

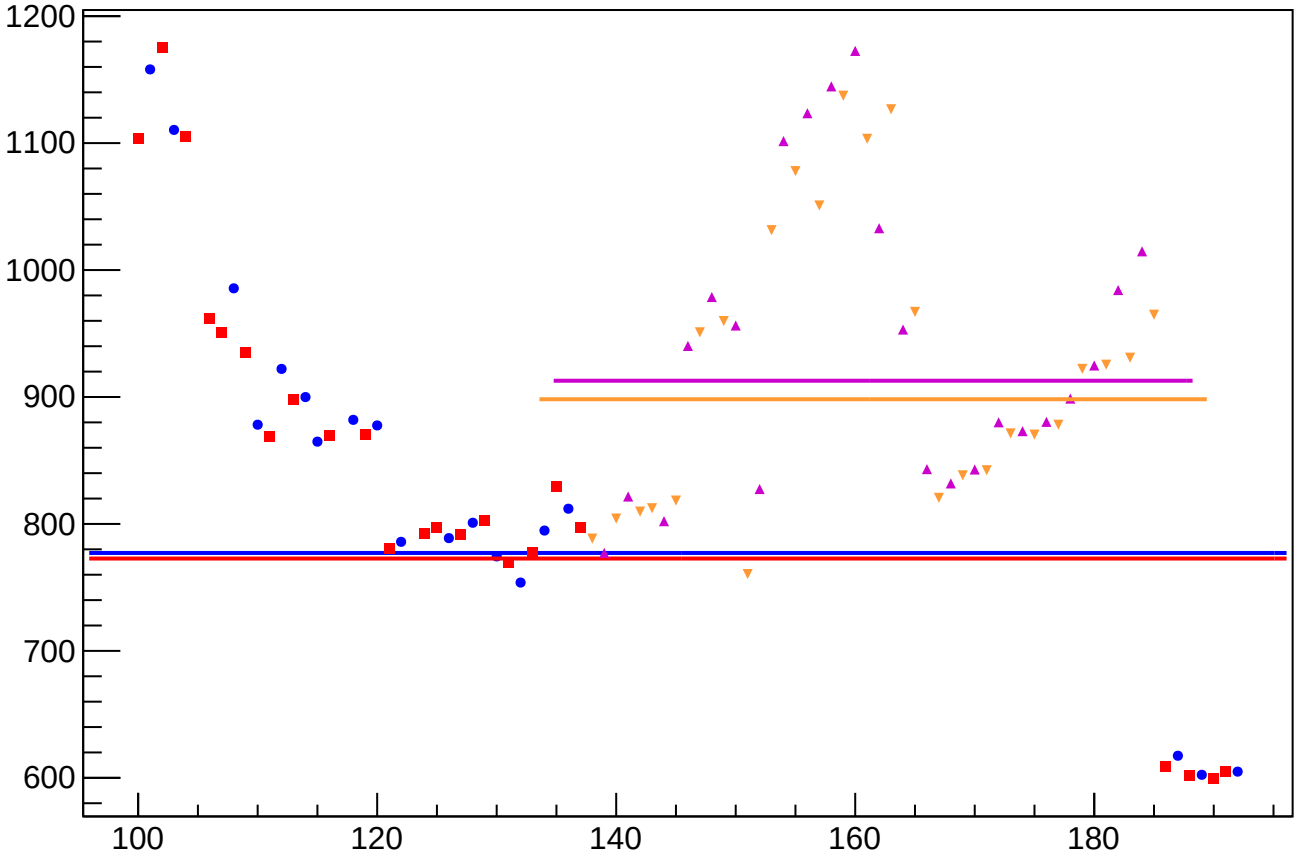
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -22.740+/-0.163 χ^2/NDF: 12335.5/43

All: -19.716+/-0.116 χ^2/NDF: 48193.8/89

- sign -16.614+/-0.165 χ^2/NDF: 35157.0/45

diff_bpm2i02X_rms vs Slug



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

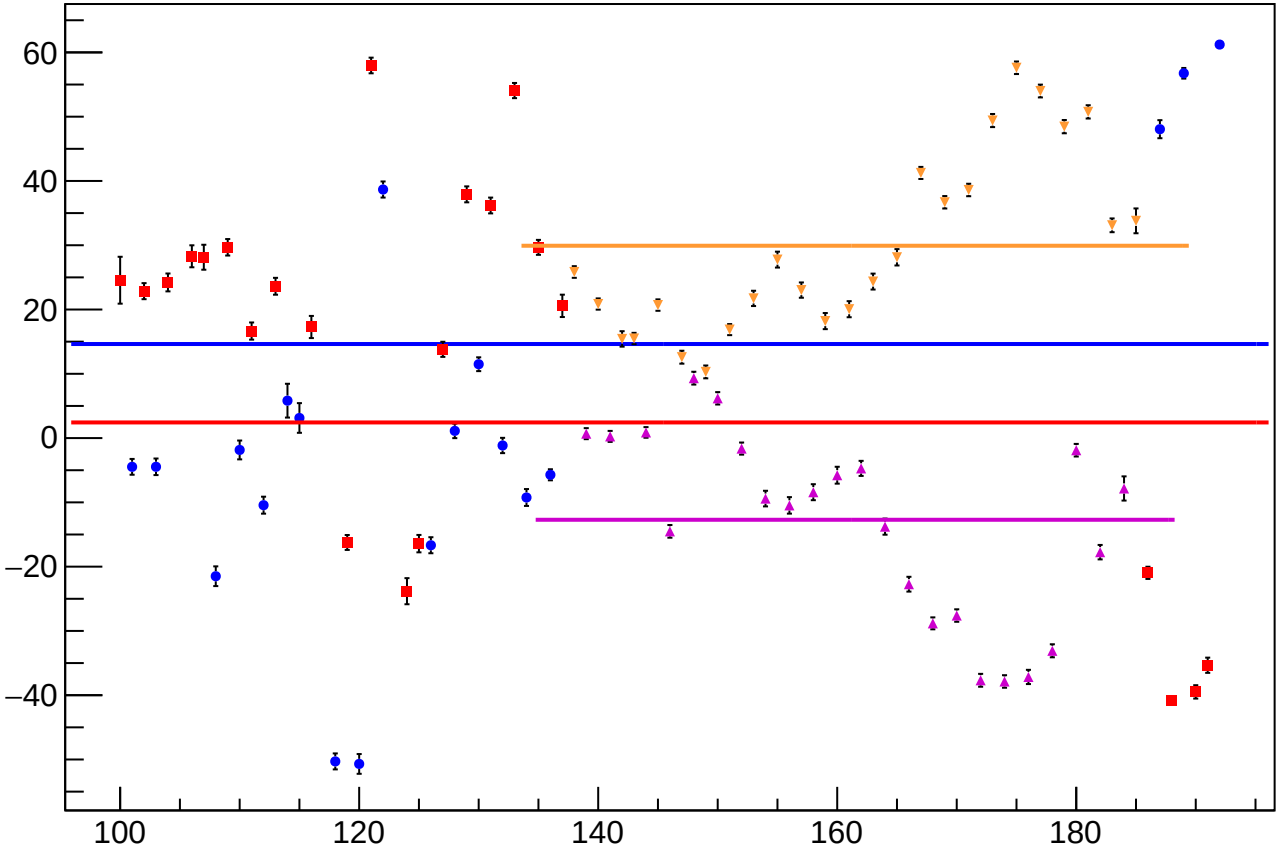
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 852.566+/-0.115 χ^2/NDF: 1409765.8/43

All: 853.650+/-0.082 χ^2/NDF: 2944420.1/89

- sign 854.762+/-0.116 χ^2/NDF: 1534474.1/45

diff_bpm2i02Y_mean vs Slug



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

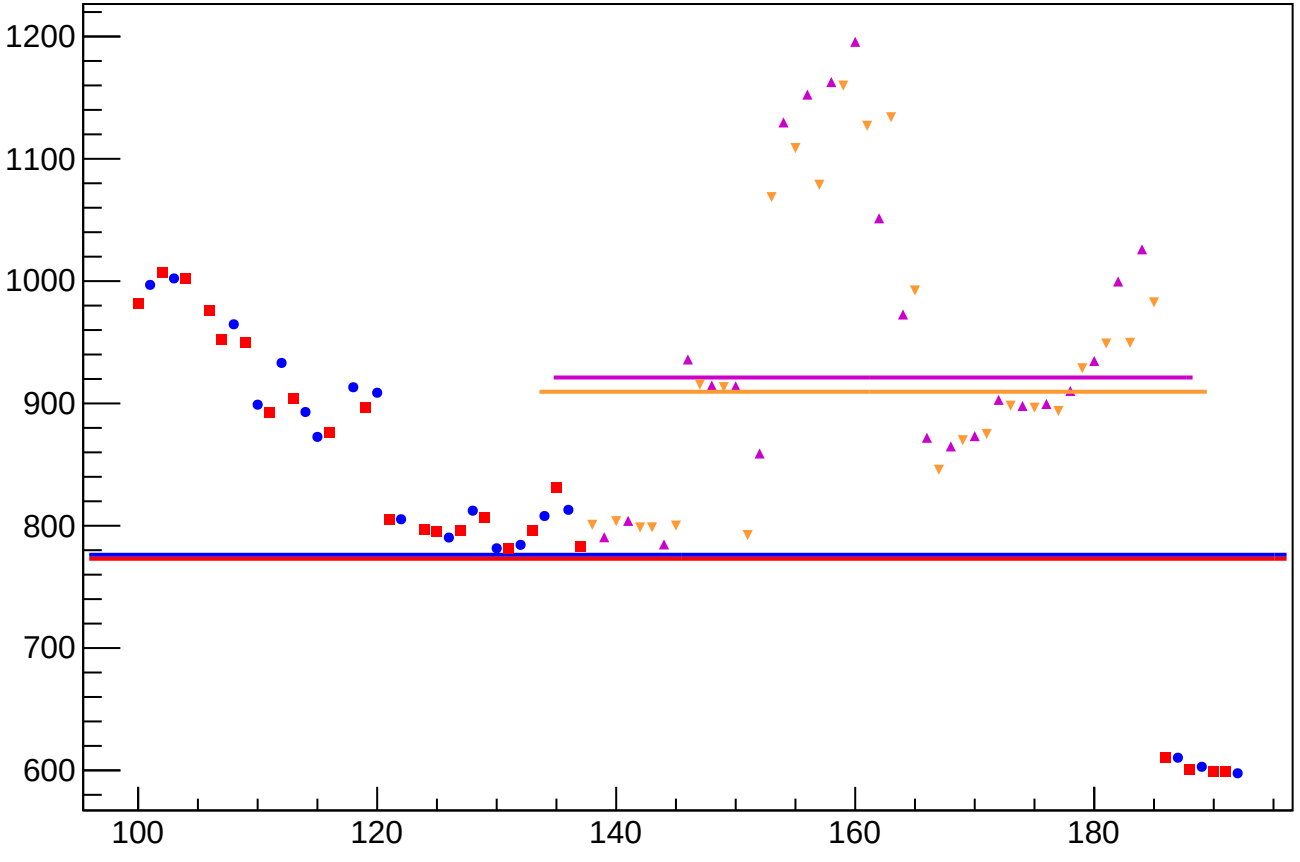
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 24.039+/-0.164 χ^2/NDF: 23993.0/43

All: 9.009+/-0.116 χ^2/NDF: 64919.5/89

- sign -6.348+/-0.165 χ^2/NDF: 23859.3/45

diff_bpm2i02Y_rms vs Slug



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

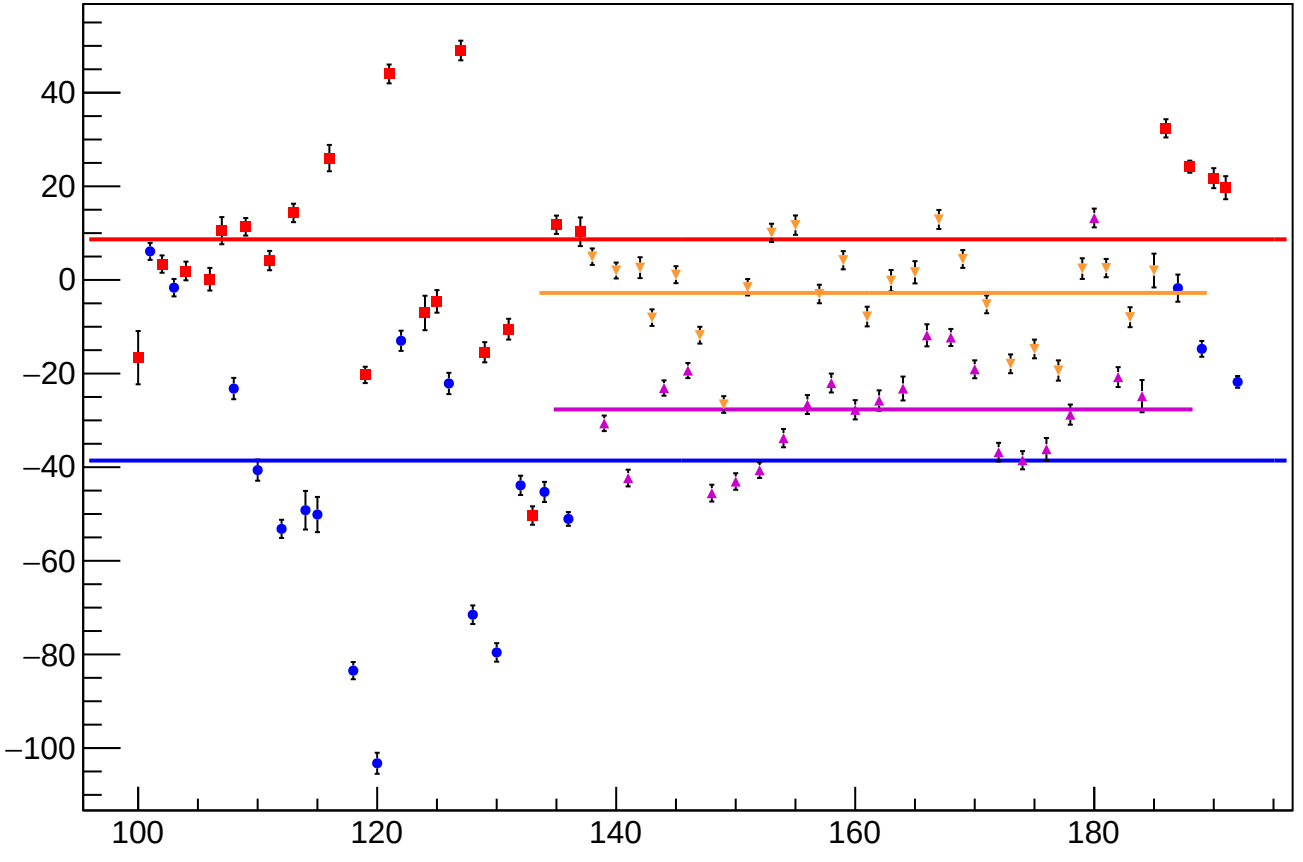
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 858.263+/-0.116 χ^2/NDF: 1398579.3/43

All: 858.603+/-0.082 χ^2/NDF: 2893384.9/89

- sign 858.950+/-0.117 χ^2/NDF: 1494788.2/45

diff_bpm0i02X_mean vs Slug



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

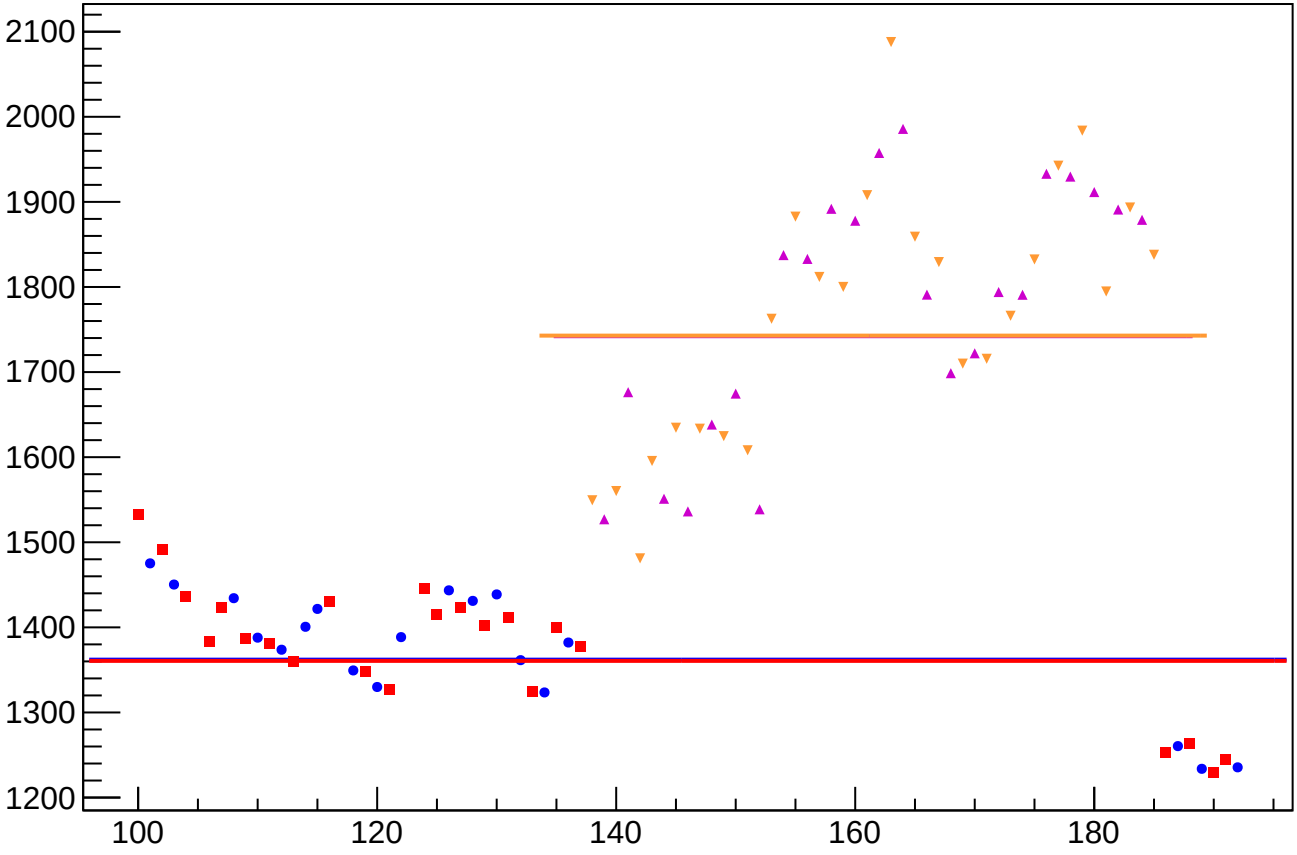
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

+ sign -18.217+/-0.300 χ^2/NDF: 8184.7/43

All: -14.581+/-0.212 χ^2/NDF: 15669.0/89

- sign -10.931+/-0.300 χ^2/NDF: 7189.3/45

diff_bpm0i02X_rms vs Slug



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

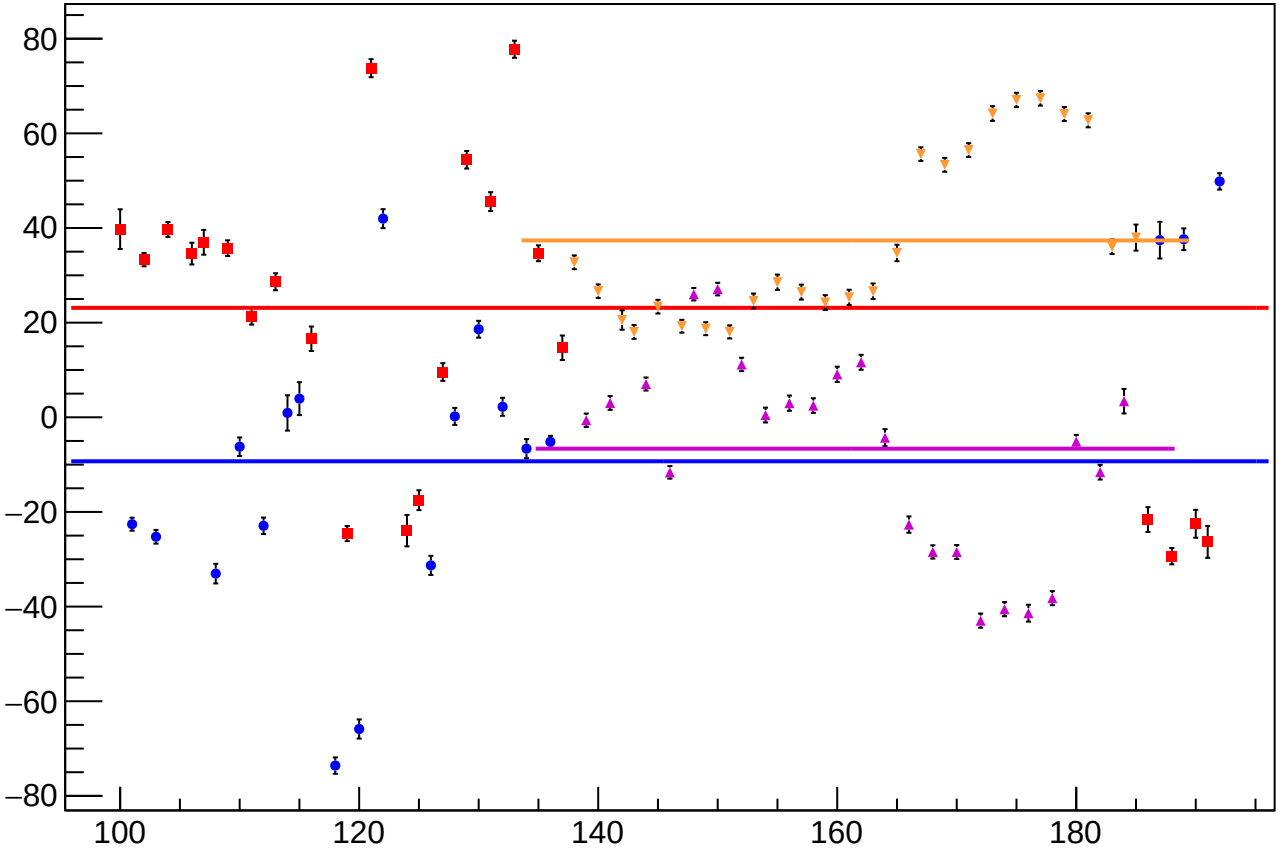
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1578.575+/-0.212 χ^2/NDF: 1114579.5/43

All: 1572.539+/-0.150 χ^2/NDF: 2235280.4/89

- sign 1566.480+/-0.212 χ^2/NDF: 1119074.9/45

diff_bpm0i02Y_mean vs Slug



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

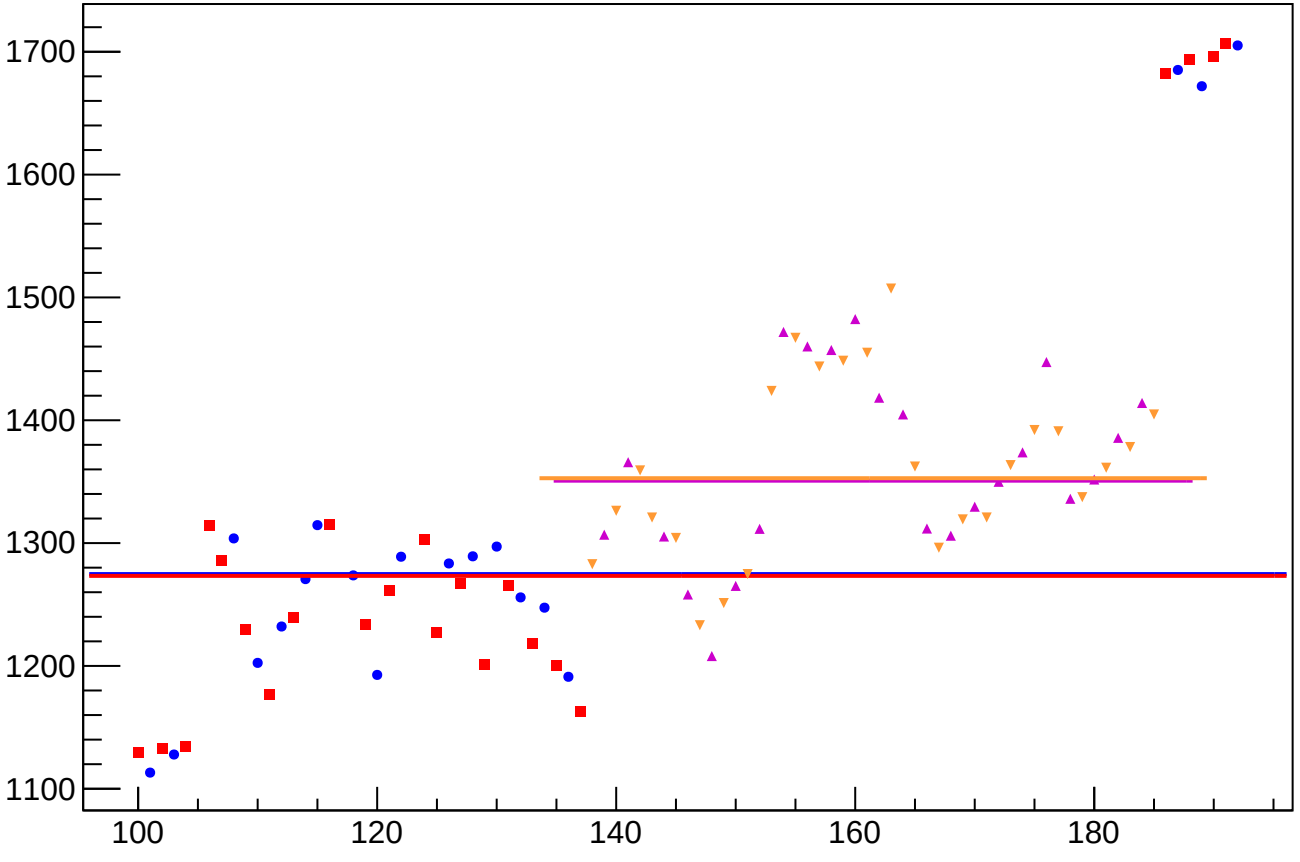
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 21.541+/-0.250 χ^2/NDF: 16606.3/43

All: 12.941+/-0.178 χ^2/NDF: 32207.7/89

- sign 4.228+/-0.252 χ^2/NDF: 13224.2/45

diff_bpm0i02Y_rms vs Slug



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

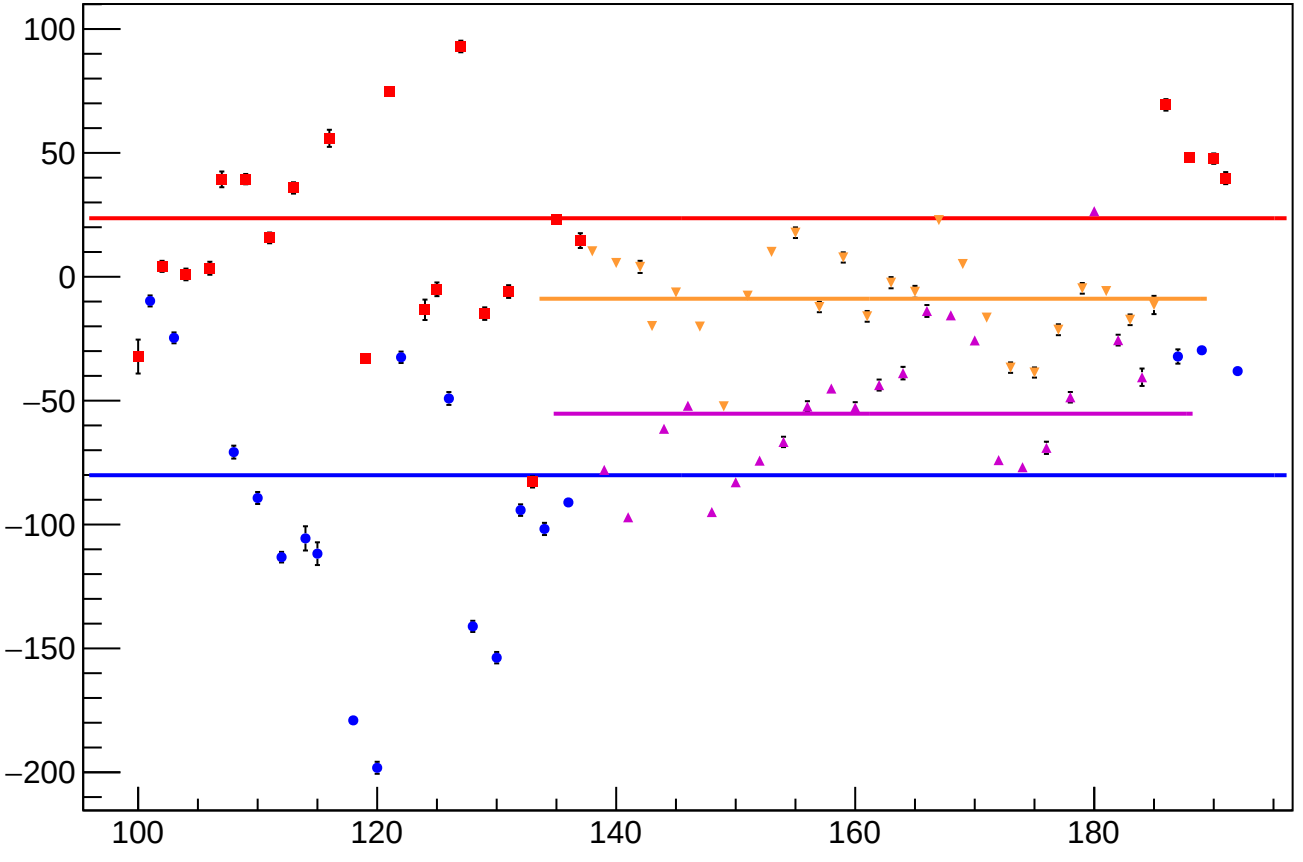
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1326.343+/-0.177 χ^2/NDF: 420466.8/43

All: 1324.461+/-0.126 χ^2/NDF: 876837.1/89

- sign 1322.553+/-0.178 χ^2/NDF: 456142.5/45

diff_bpm0i02aX_mean vs Slug



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

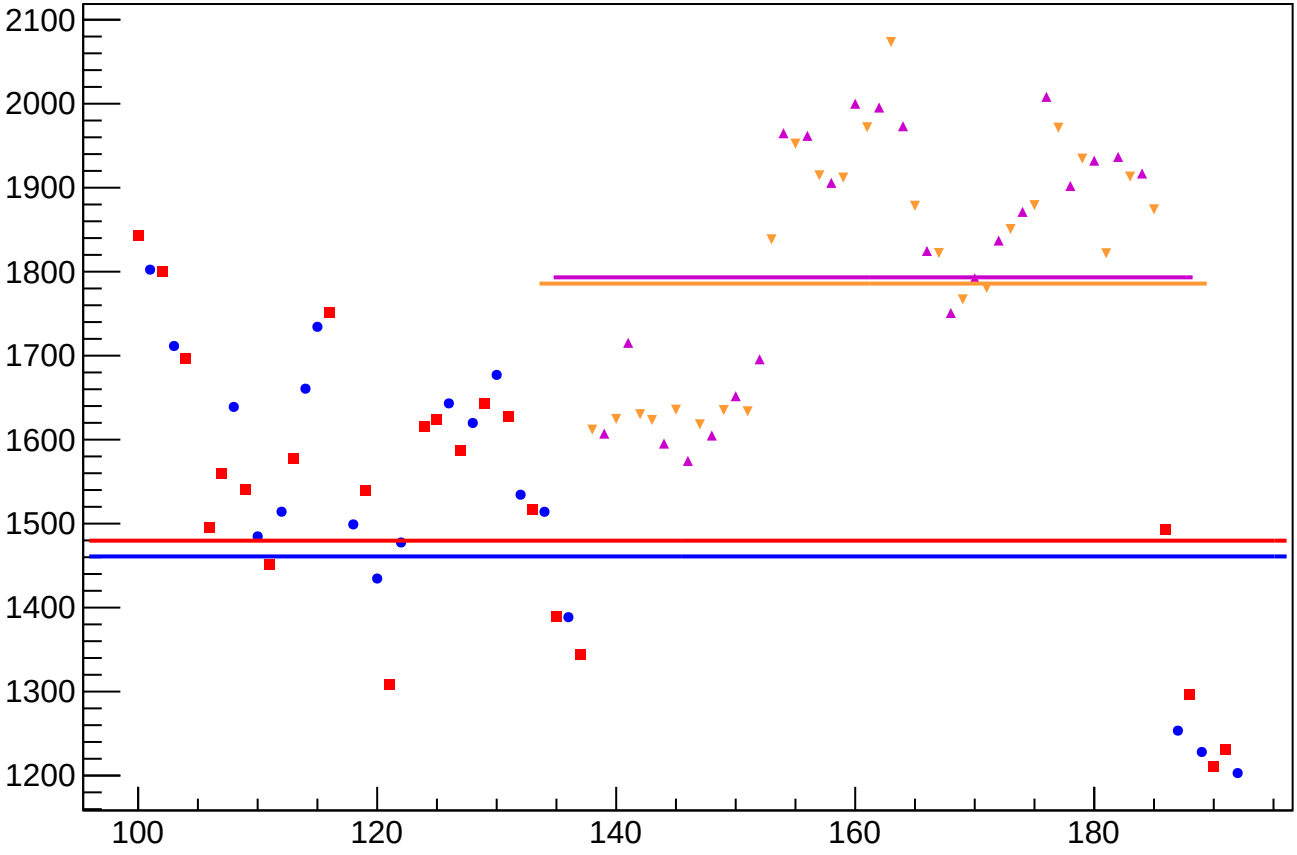
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -37.777+/-0.314 χ^2/NDF: 25932.4/43

All: -29.626+/-0.223 χ^2/NDF: 53752.7/89

- sign -21.294+/-0.317 χ^2/NDF: 26456.1/45

diff_bpm0i02aX_rms vs Slug



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

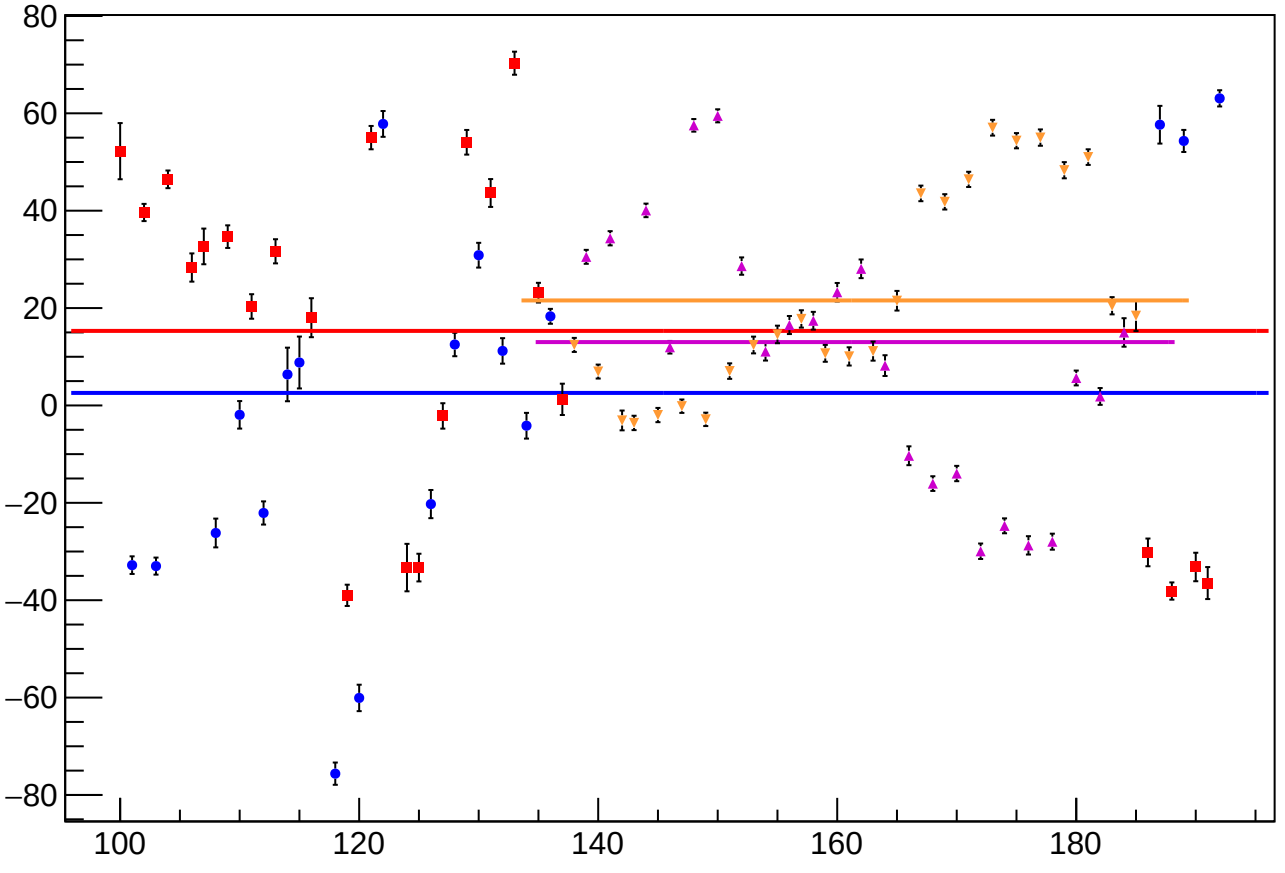
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1653.934+/-0.222 χ^2/NDF: 1032592.0/43

All: 1656.060+/-0.158 χ^2/NDF: 1992068.3/89

- sign 1658.233+/-0.224 χ^2/NDF: 959290.7/45

diff_bpm0i02aY_mean vs Slug



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

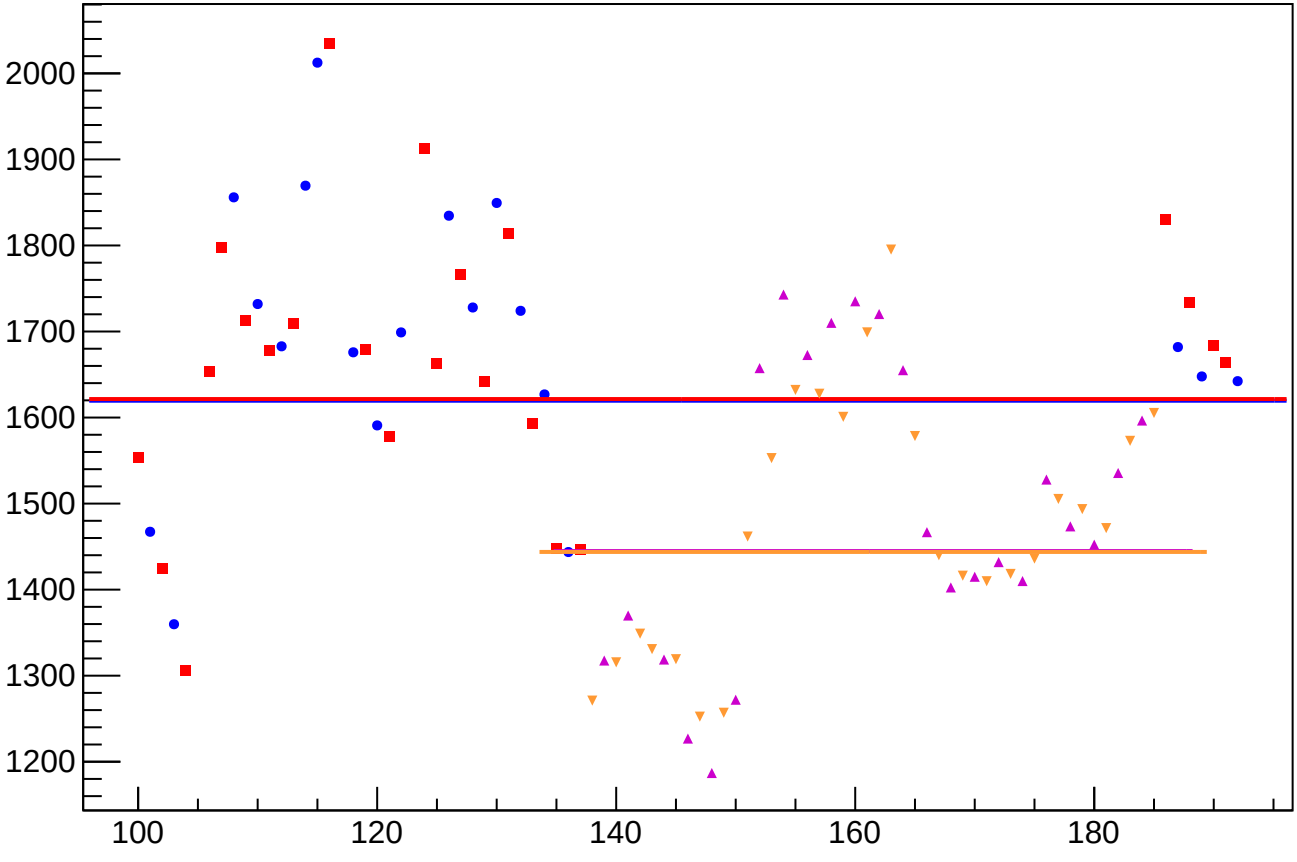
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 16.469+/-0.282 χ^2/NDF: 10556.4/43

All: 15.096+/-0.201 χ^2/NDF: 21854.6/89

- sign 13.683+/-0.286 χ^2/NDF: 11250.2/45

diff_bpm0i02aY_rms vs Slug



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

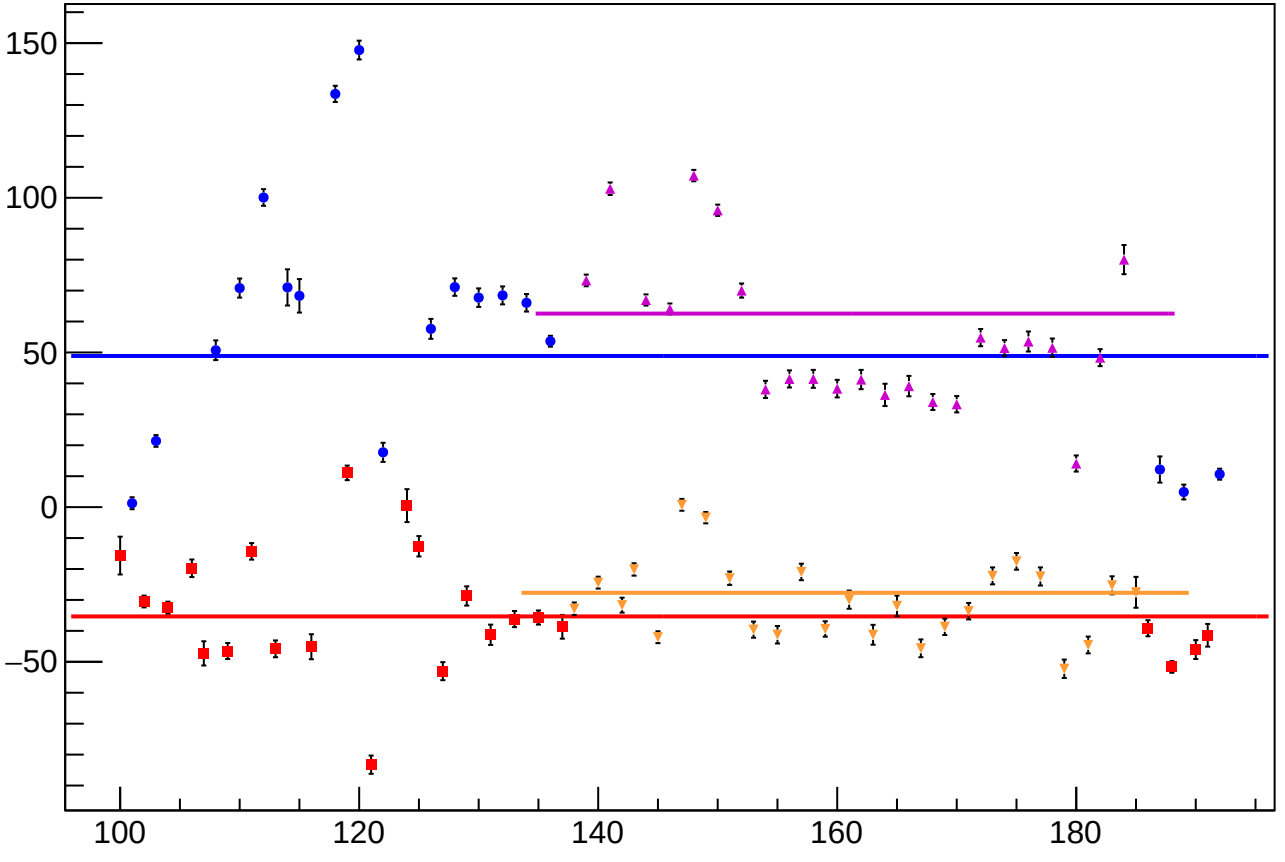
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1490.994+/-0.200 χ^2/NDF: 660862.9/43

All: 1493.633+/-0.142 χ^2/NDF: 1488378.9/89

- sign 1496.347+/-0.202 χ^2/NDF: 827161.2/45

diff_bpm0i05X_mean vs Slug



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

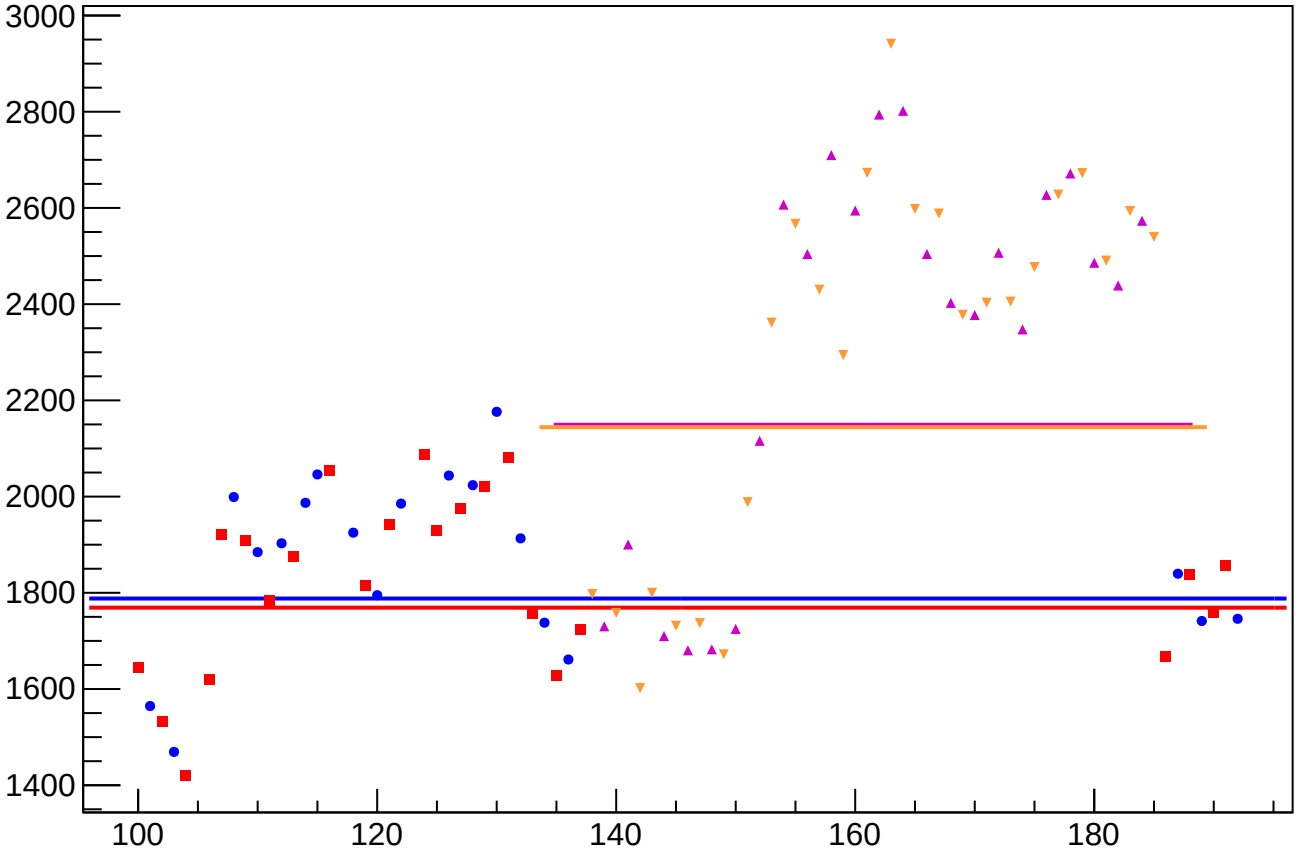
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 3.270+/-0.383 χ^2/NDF: 14937.6/43

All: 11.401+/-0.271 χ^2/NDF: 35418.4/89

- sign 19.549+/-0.383 χ^2/NDF: 19577.5/45

diff_bpm0i05X_rms vs Slug



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

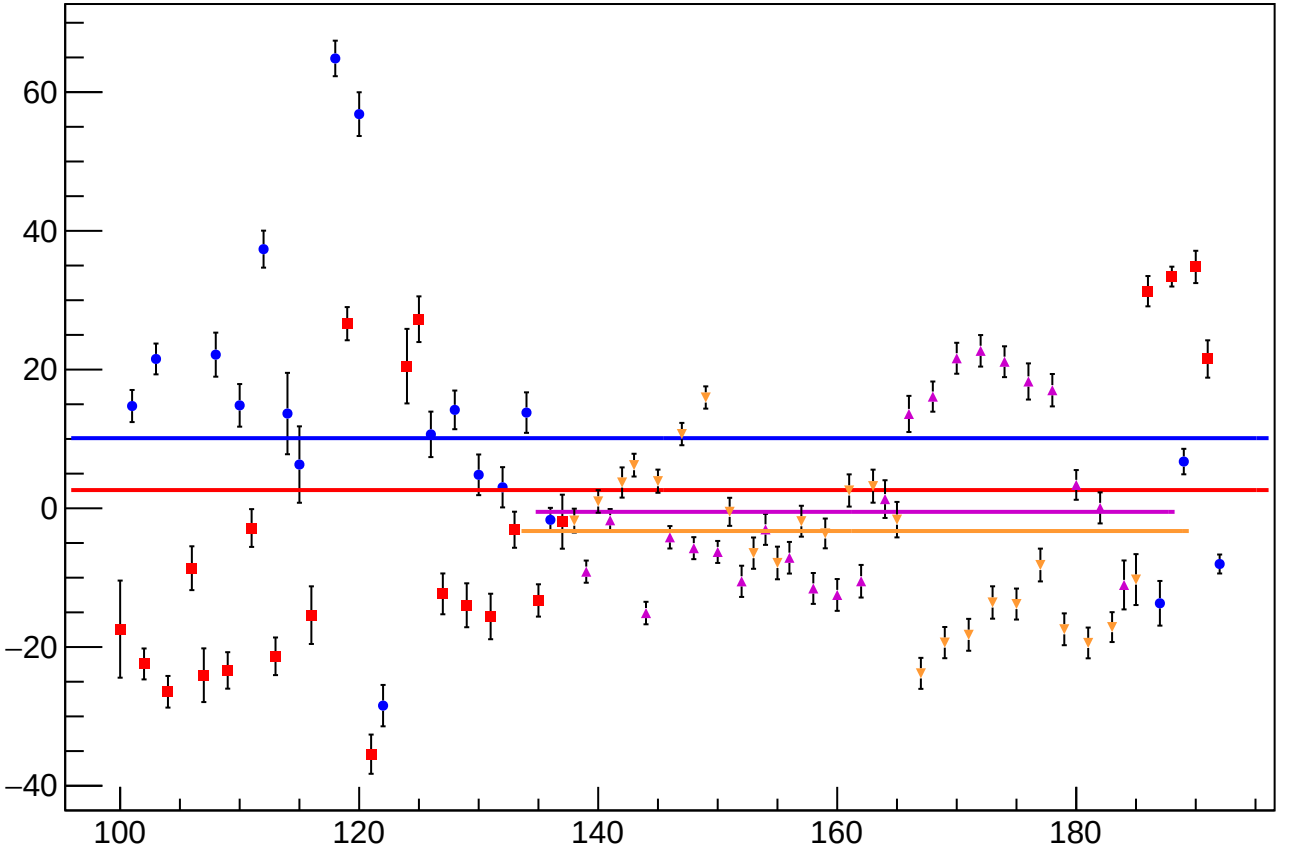
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 2000.199+/-0.271 χ^2/NDF: 1892416.2/43

All: 1991.254+/-0.191 χ^2/NDF: 3842407.9/89

- sign 1982.292+/-0.271 χ^2/NDF: 1947805.6/45

diff_bpm0i05Y_mean vs Slug



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

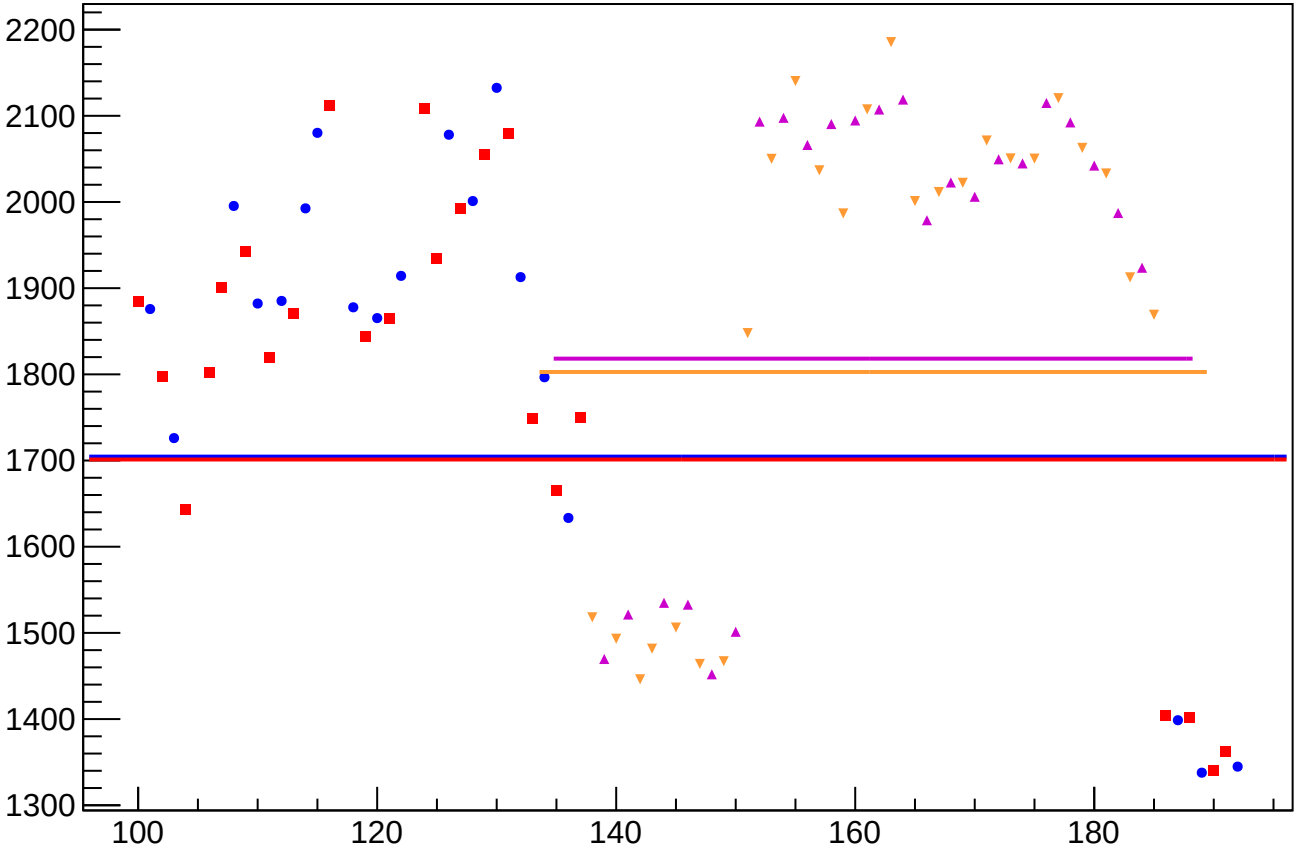
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 1.280+/-0.337 χ^2/NDF: 2315.0/43

All: 0.972+/-0.239 χ^2/NDF: 4999.4/89

- sign 0.658+/-0.341 χ^2/NDF: 2682.7/45

diff_bpm0i05Y_rms vs Slug



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

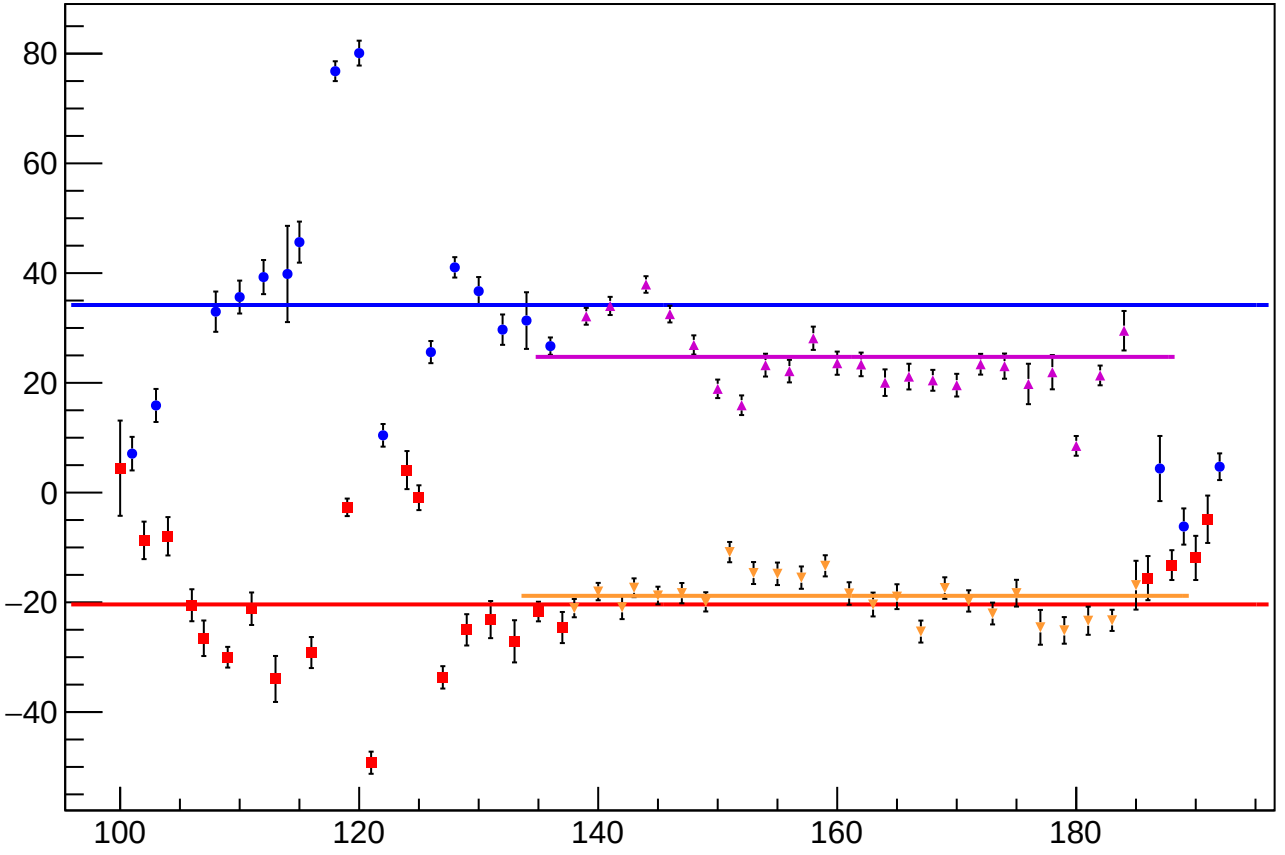
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1769.338+/-0.238 χ^2/NDF: 1360968.3/43

All: 1771.985+/-0.169 χ^2/NDF: 2630332.0/89

- sign 1774.692+/-0.241 χ^2/NDF: 1269113.8/45

diff_bpm0i07X_mean vs Slug



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

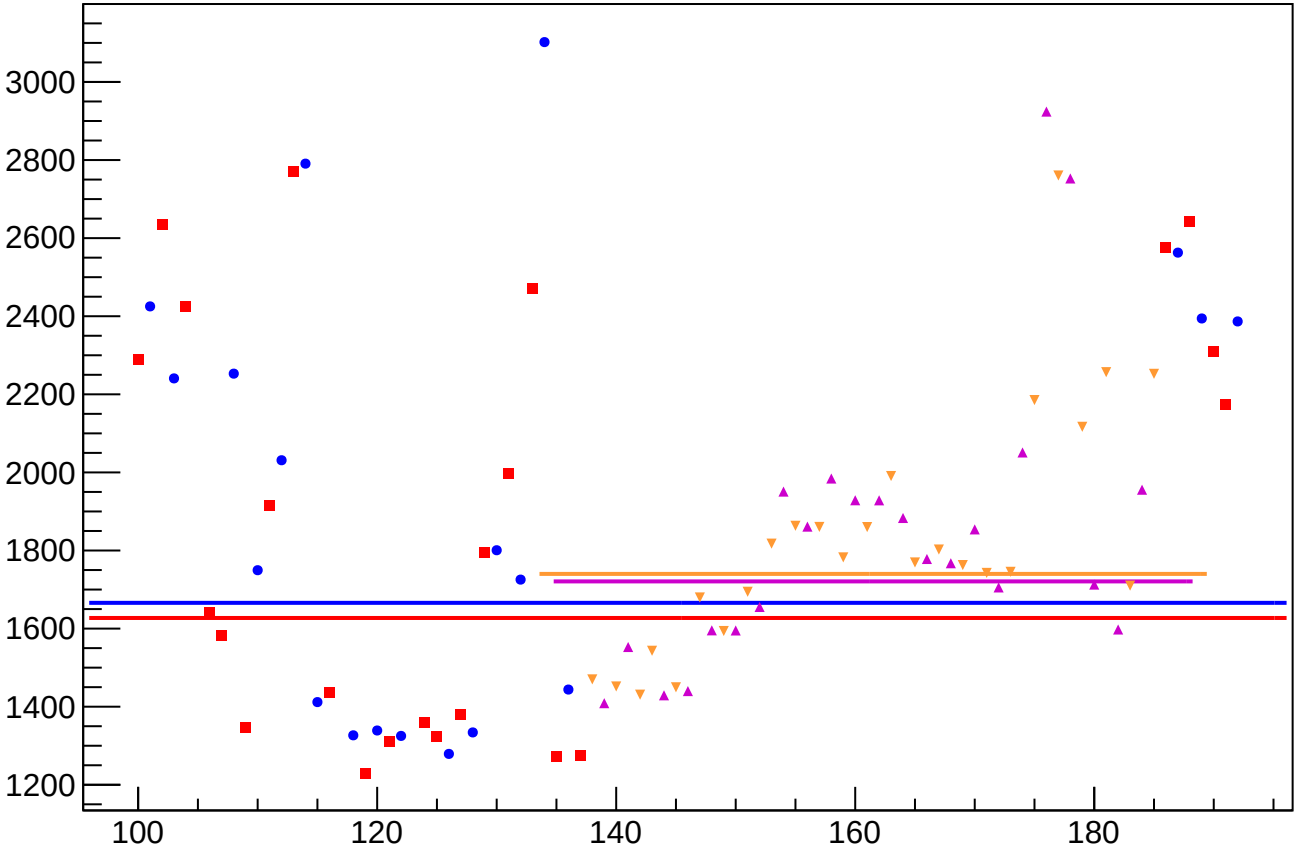
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -2.022+/-0.332 χ^2/NDF: 7191.6/43

All: 3.589+/-0.234 χ^2/NDF: 12885.1/89

\- sign 9.151+/-0.331 χ^2/NDF: 5125.3/45

diff_bpm0i07X_rms vs Slug



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

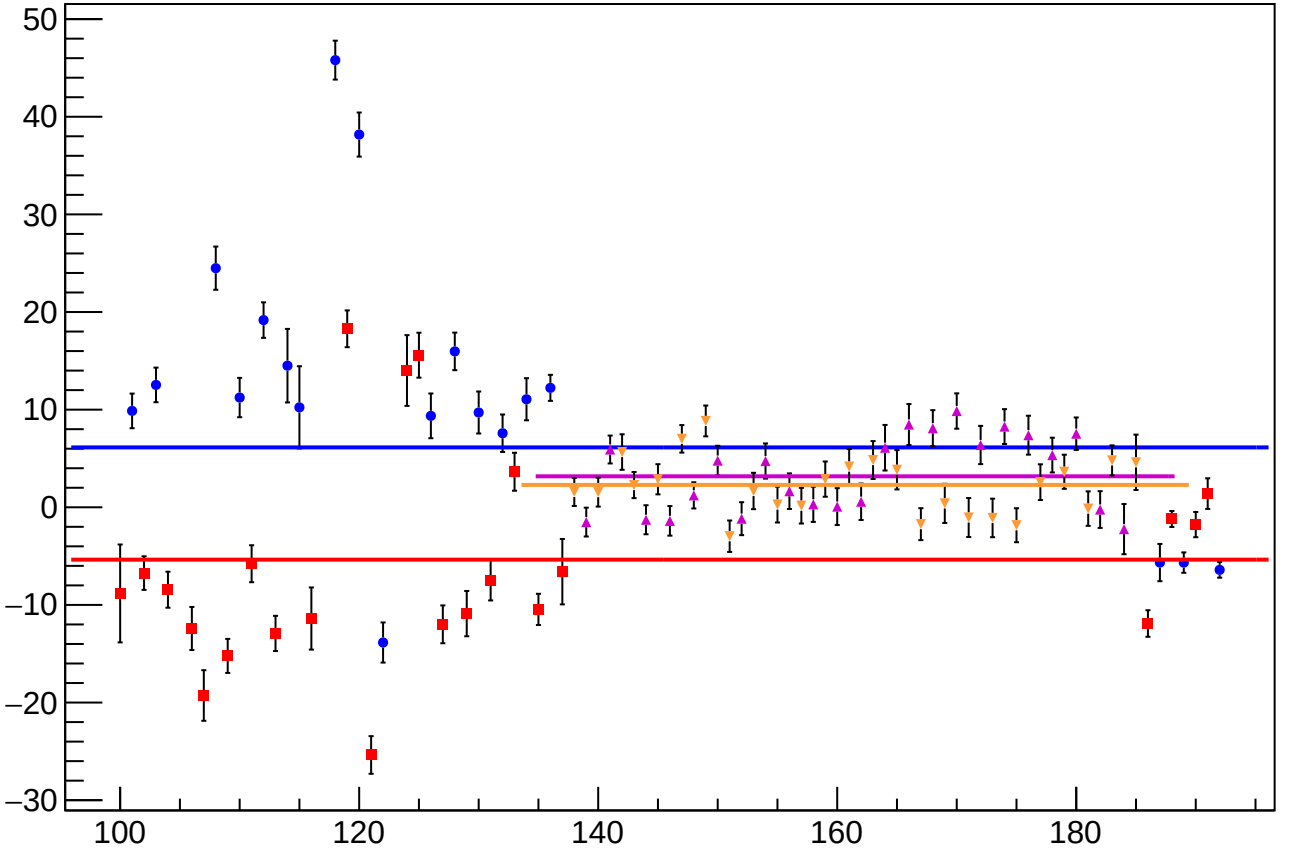
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1716.609+/-0.235 χ^2/NDF: 1916715.2/43

All: 1702.506+/-0.166 χ^2/NDF: 4325126.1/89

- sign 1688.527+/-0.234 χ^2/NDF: 2401233.3/45

diff_bpm0i07Y_mean vs Slug



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

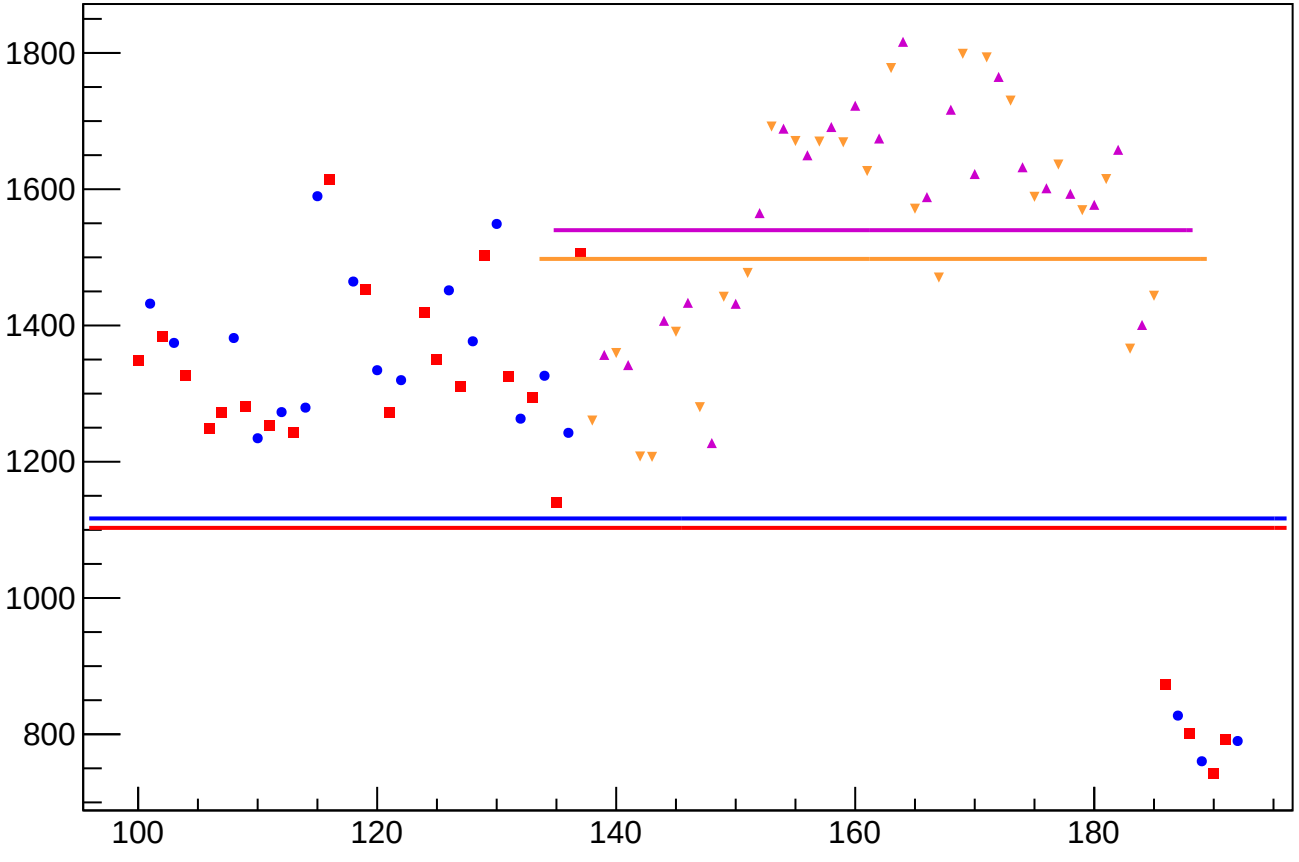
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 3.984+/-0.257 χ^2/NDF: 1438.5/43

All: 1.503+/-0.182 χ^2/NDF: 2606.9/89

- sign -1.013+/-0.259 χ^2/NDF: 980.6/45

diff_bpm0i07Y_rms vs Slug



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

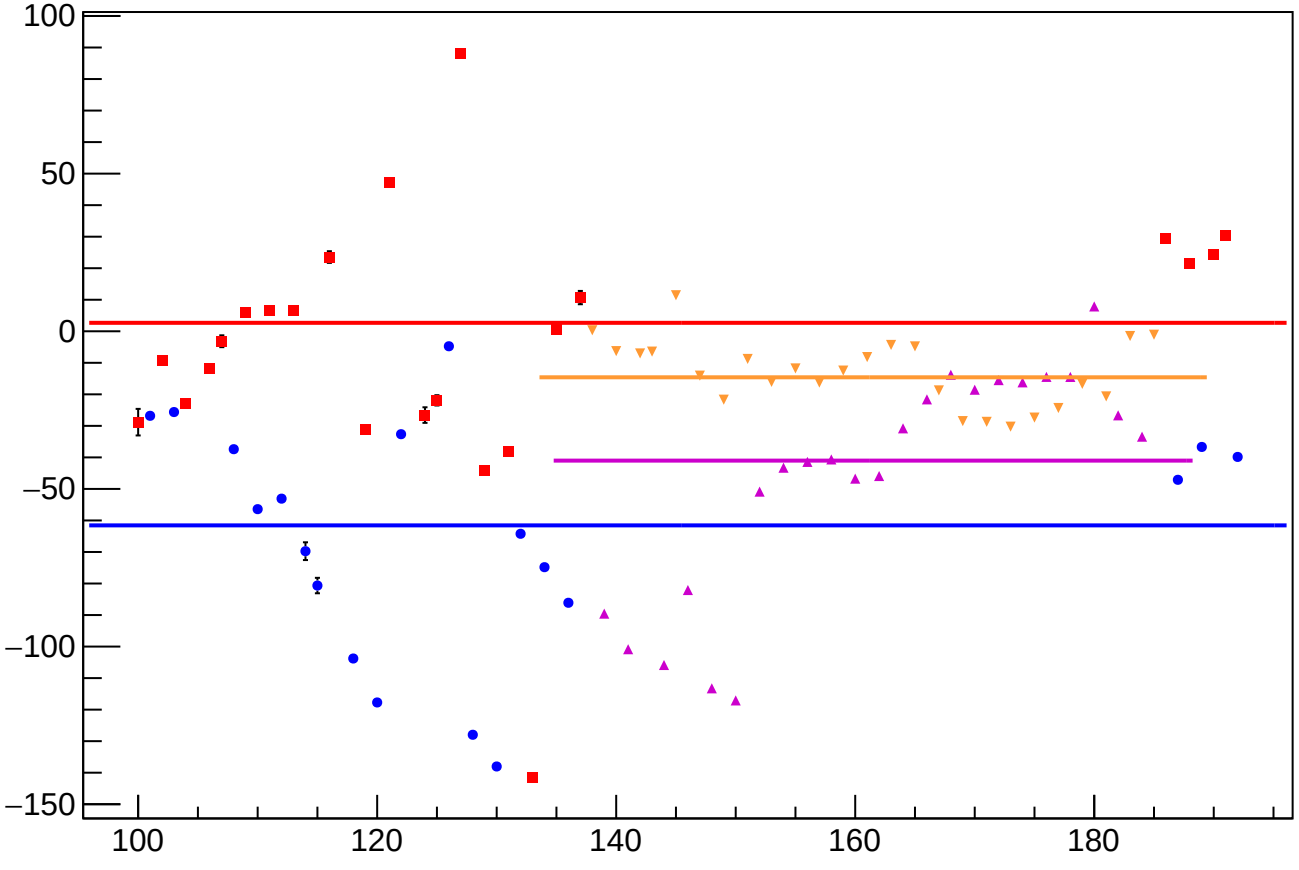
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1329.955+/-0.182 χ^2/NDF: 2753788.0/43

All: 1327.810+/-0.129 χ^2/NDF: 5601764.5/89

- sign 1325.633+/-0.183 χ^2/NDF: 2847695.5/45

diff_bpm1i02X_mean vs Slug



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

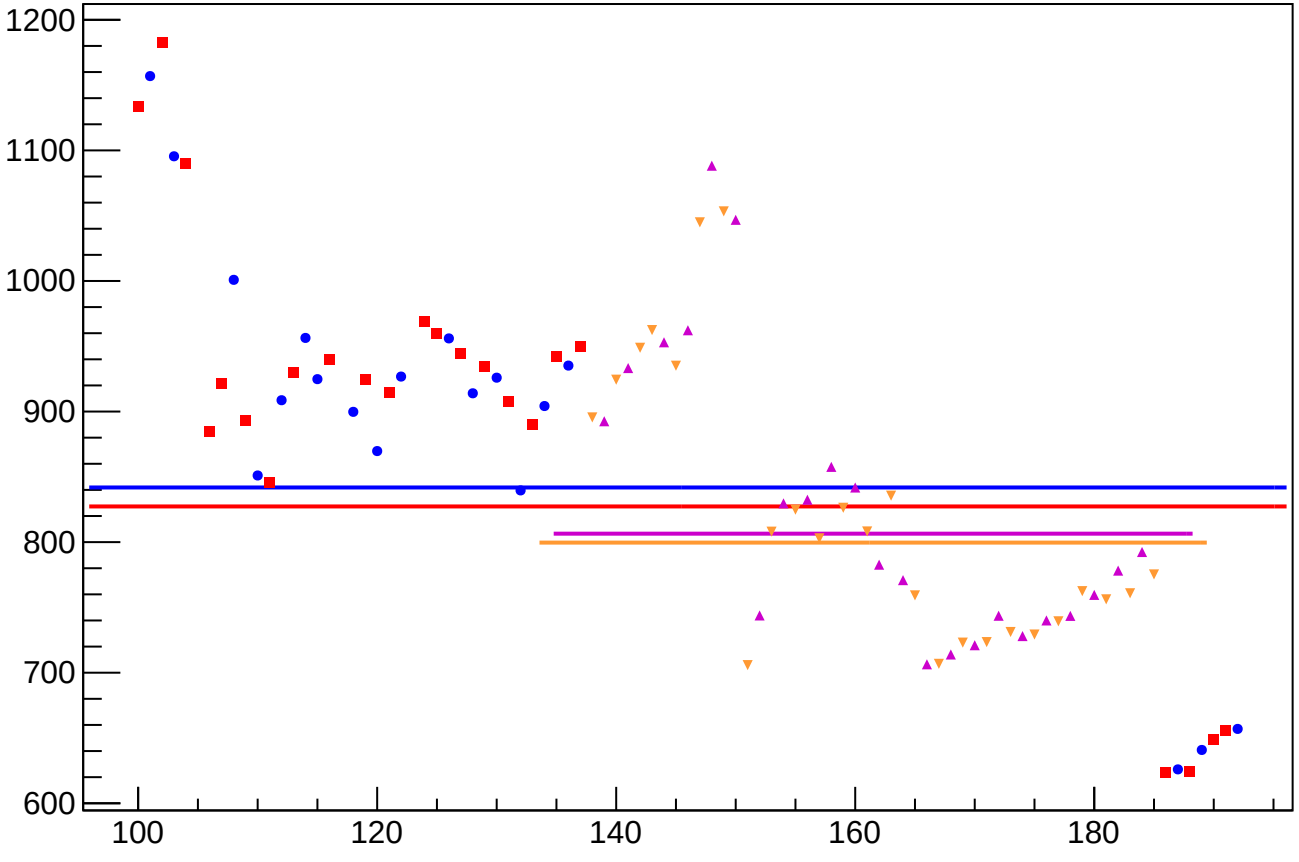
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -28.224+/-0.154 χ^2/NDF: 37340.7/43

All: -27.540+/-0.110 χ^2/NDF: 108556.5/89

- sign -26.839+/-0.156 χ^2/NDF: 71175.9/45

diff_bpm1i02X_rms vs Slug



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

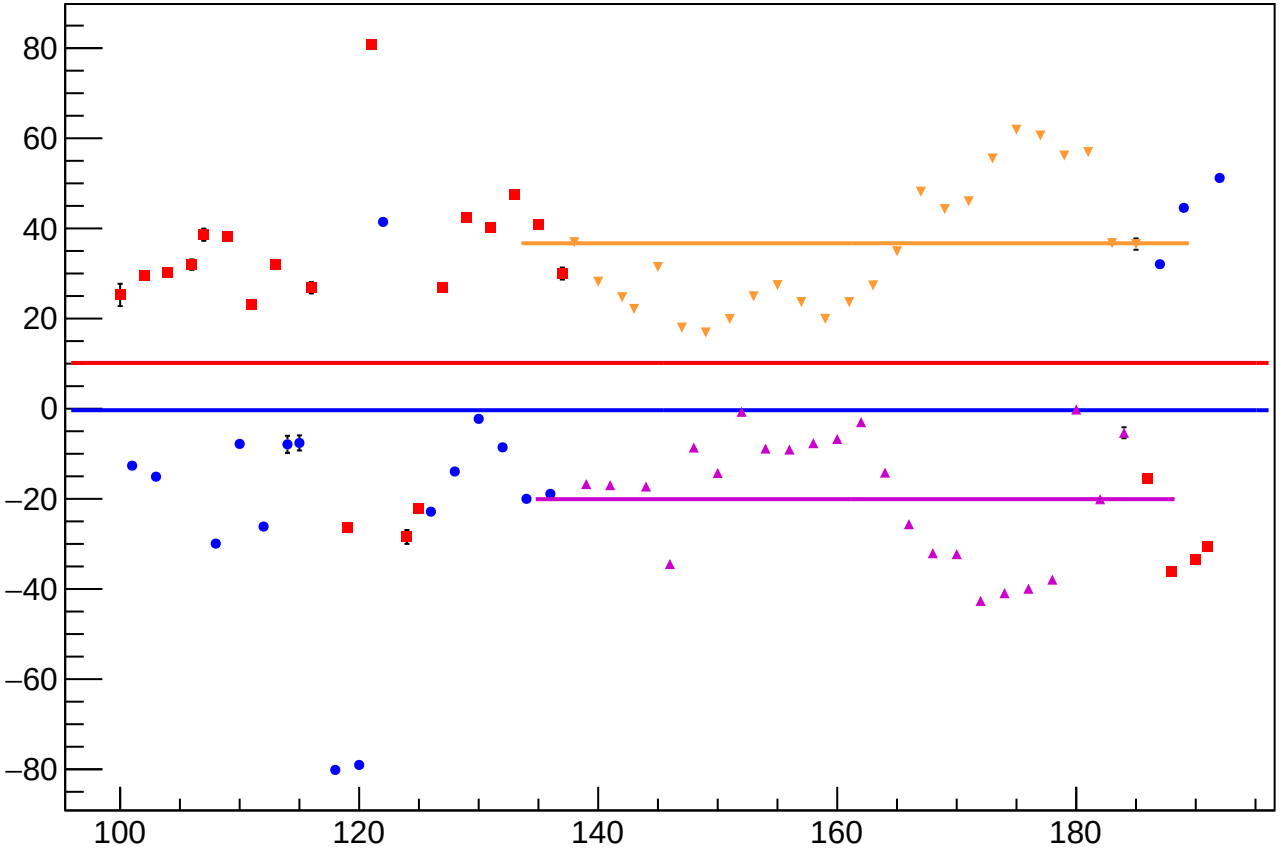
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 811.889+/-0.109 χ^2/NDF: 1084779.8/43

All: 812.558+/-0.078 χ^2/NDF: 2300765.0/89

- sign 813.244+/-0.110 χ^2/NDF: 1215908.9/45

diff_bpm1i02Y_mean vs Slug



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

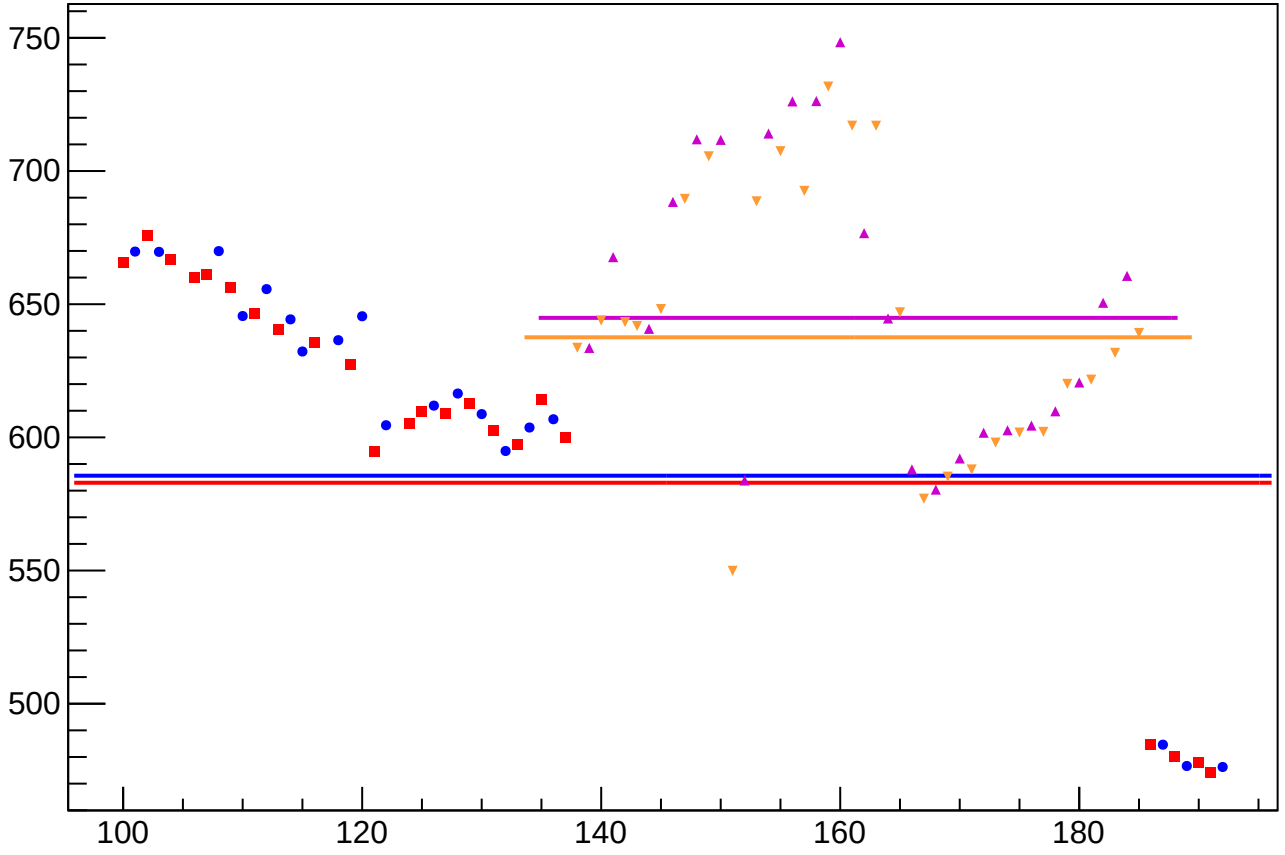
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 23.669+/-0.117 χ^2/NDF: 69928.0/43

All: 7.828+/-0.083 χ^2/NDF: 165031.2/89

- sign -8.402+/-0.119 χ^2/NDF: 58036.3/45

diff_bpm1i02Y_rms vs Slug



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

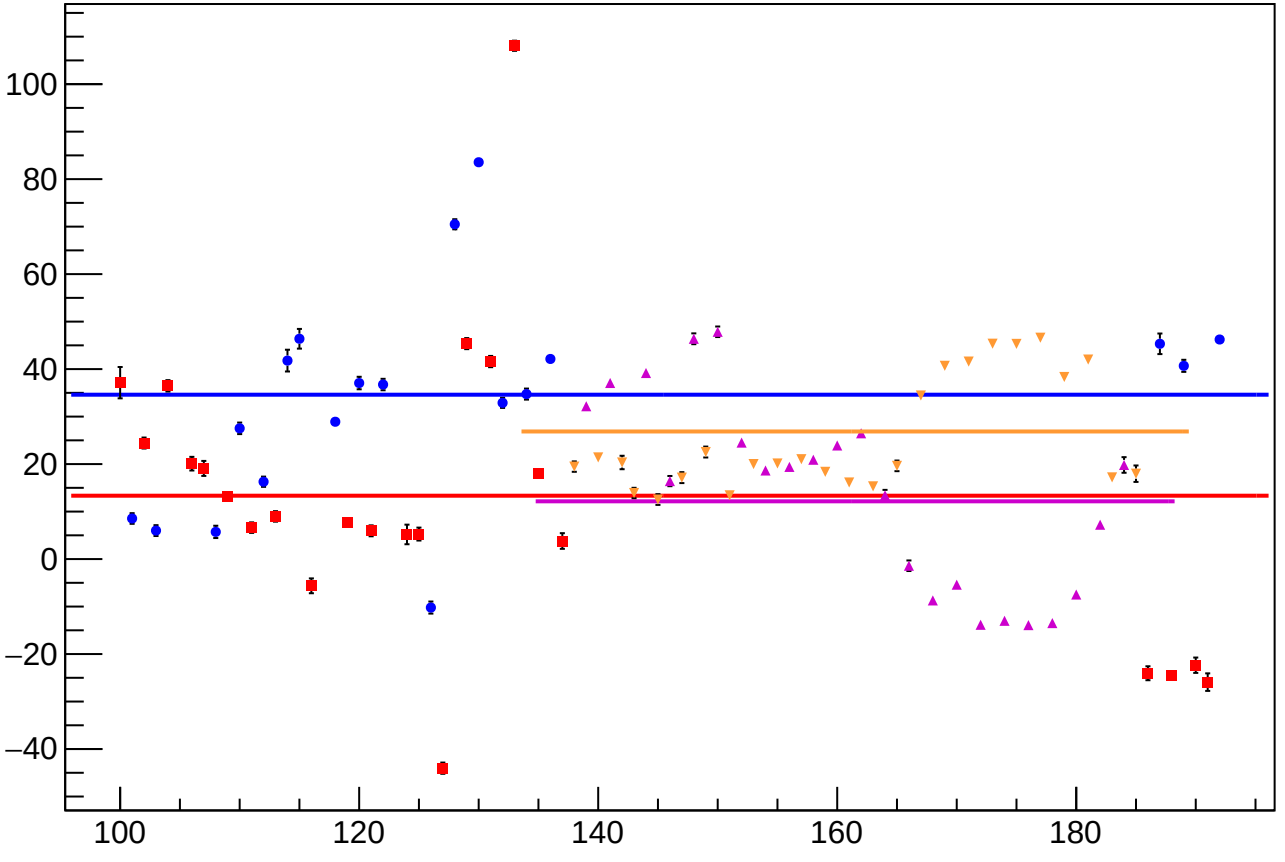
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 619.283+/-0.083 χ^2/NDF: 596894.5/43

All: 620.120+/-0.059 χ^2/NDF: 1245962.8/89

- sign 620.977+/-0.084 χ^2/NDF: 648861.4/45

diff_bpm1i04X_mean vs Slug



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

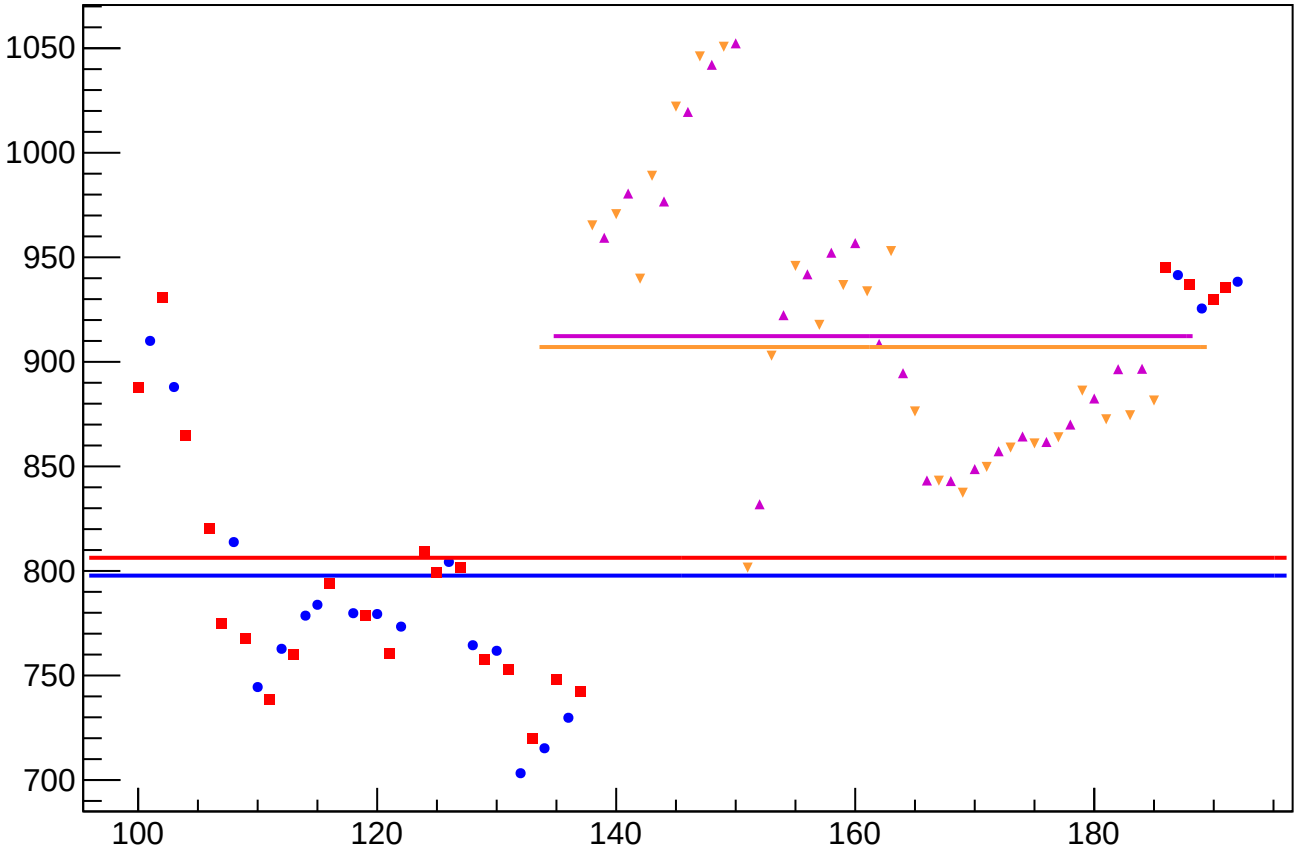
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 29.753+/-0.164 χ^2/NDF: 10839.8/43

All: 21.303+/-0.116 χ^2/NDF: 40408.9/89

- sign 12.630+/-0.166 χ^2/NDF: 24168.3/45

diff_bpm1i04X_rms vs Slug



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

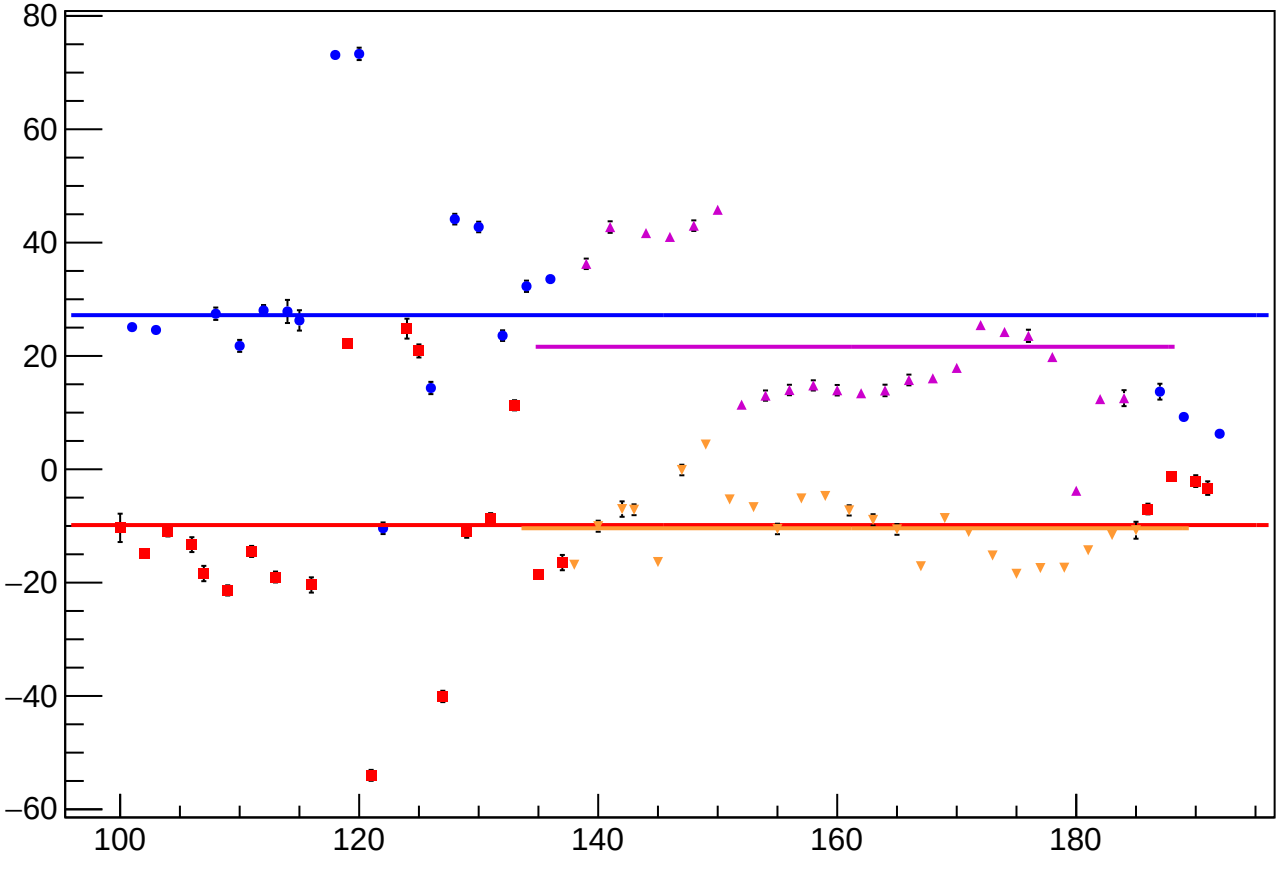
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 866.333+/-0.116 χ^2/NDF: 562209.9/43

All: 868.210+/-0.082 χ^2/NDF: 1088586.1/89

- sign 870.136+/-0.117 χ^2/NDF: 525843.3/45

diff_bpm1i04Y_mean vs Slug



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

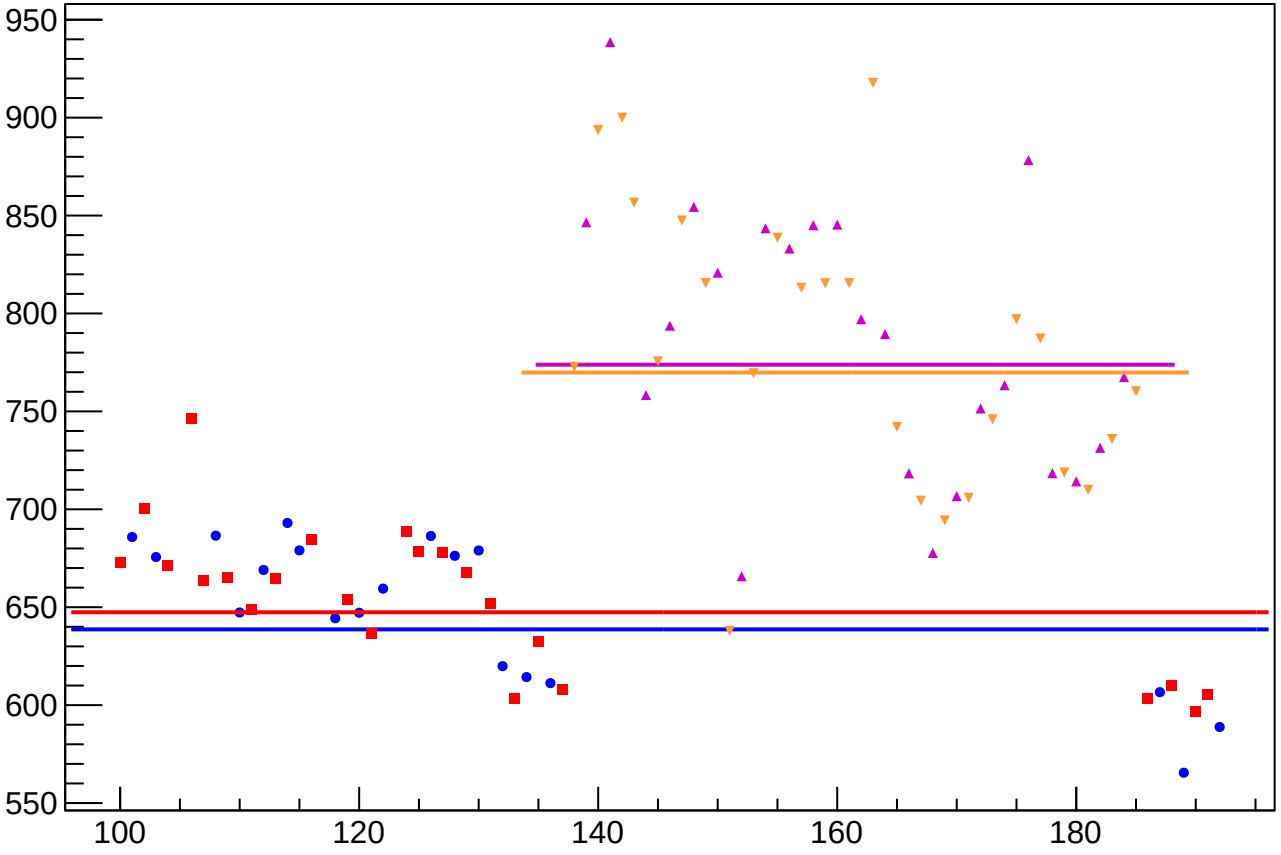
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 4.748+/-0.136 χ^2/NDF: 28068.6/43

All: 6.441+/-0.097 χ^2/NDF: 53326.5/89

- sign 8.175+/-0.138 χ^2/NDF: 24944.5/45

diff_bpm1i04Y_rms vs Slug



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

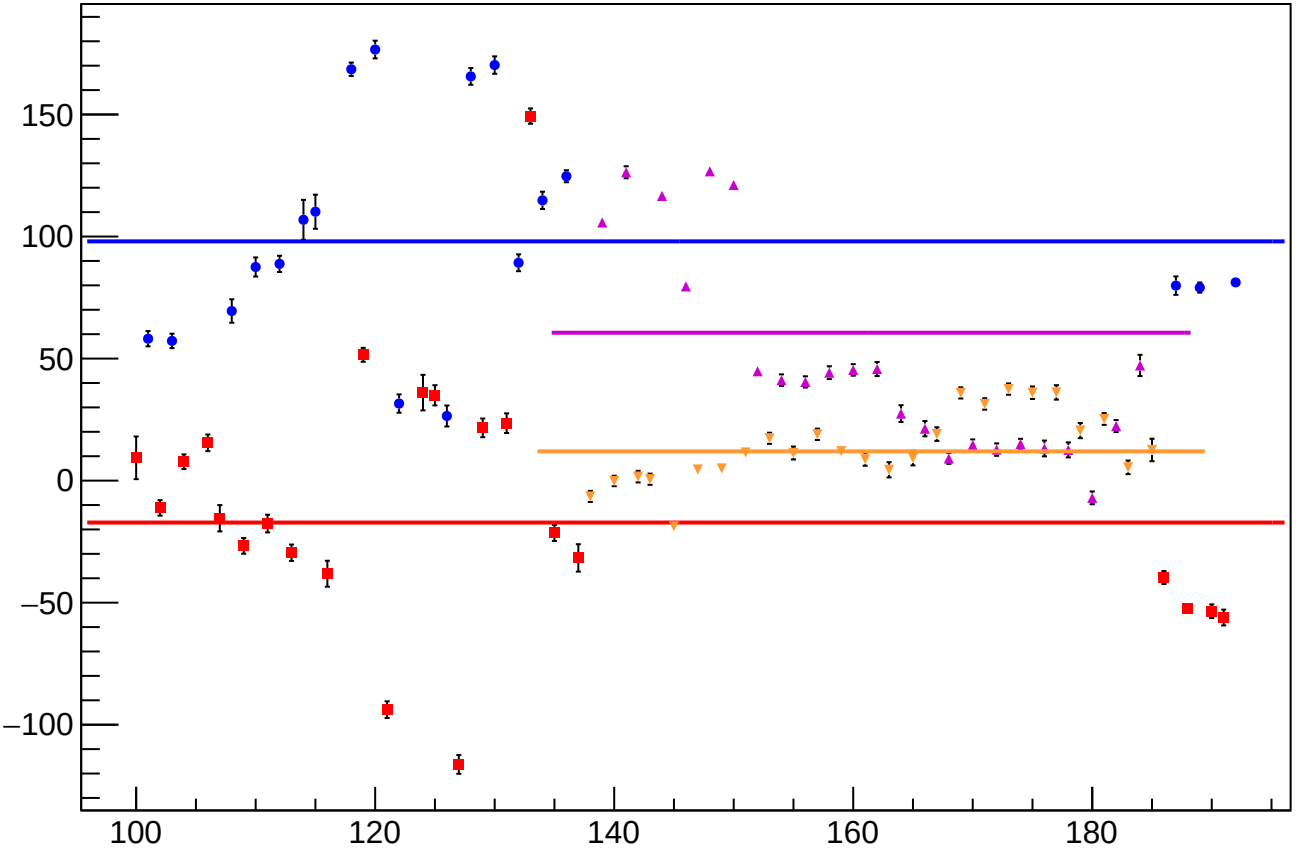
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 716.987+/-0.096 χ^2/NDF: 820319.2/43

All: 718.384+/-0.068 χ^2/NDF: 1571288.1/89

- sign 719.815+/-0.097 χ^2/NDF: 750541.5/45

diff_bpm1i06X_mean vs Slug



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

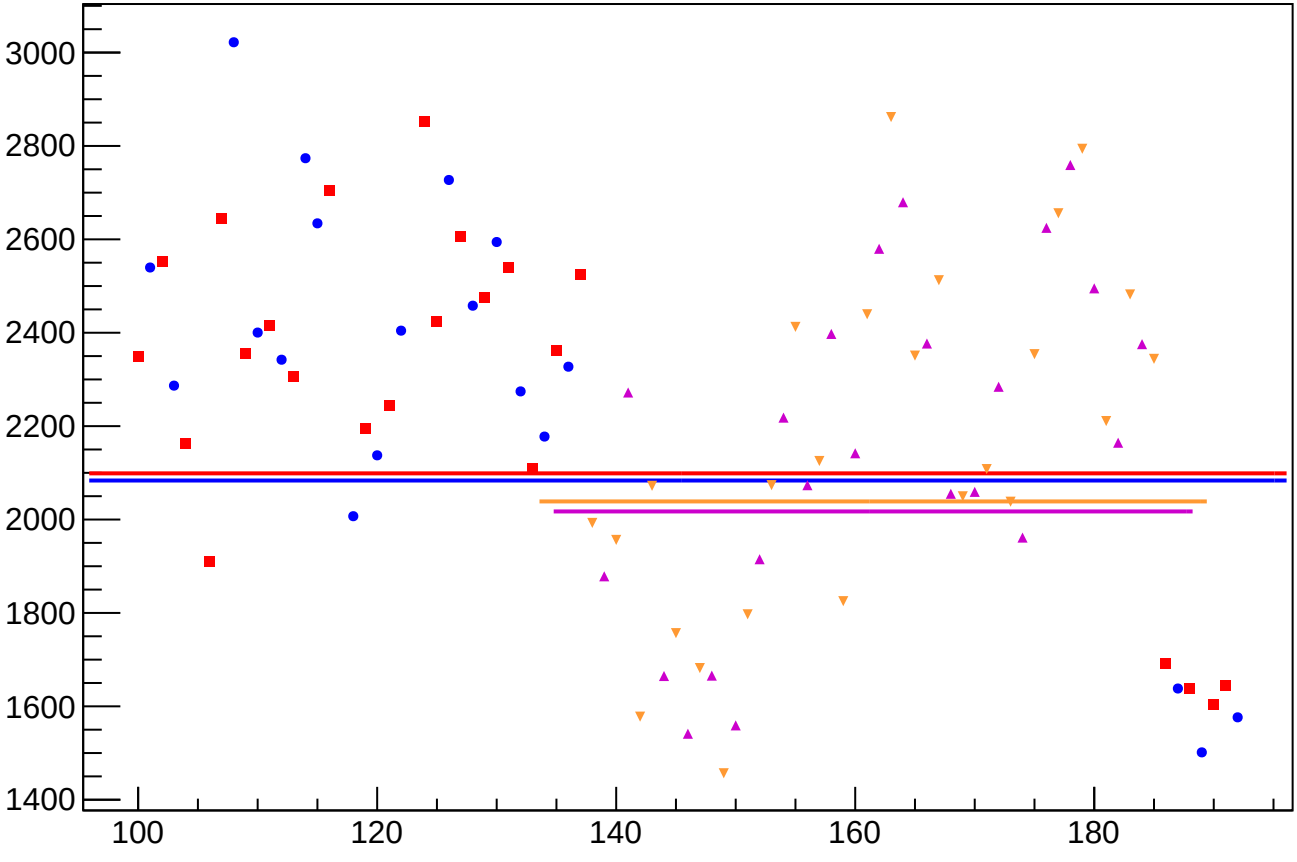
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 38.146+/-0.393 χ^2/NDF: 14354.1/43

All: 36.769+/-0.279 χ^2/NDF: 37527.6/89

- sign 35.378+/-0.395 χ^2/NDF: 23148.8/45

diff_bpm1i06X_rms vs Slug



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

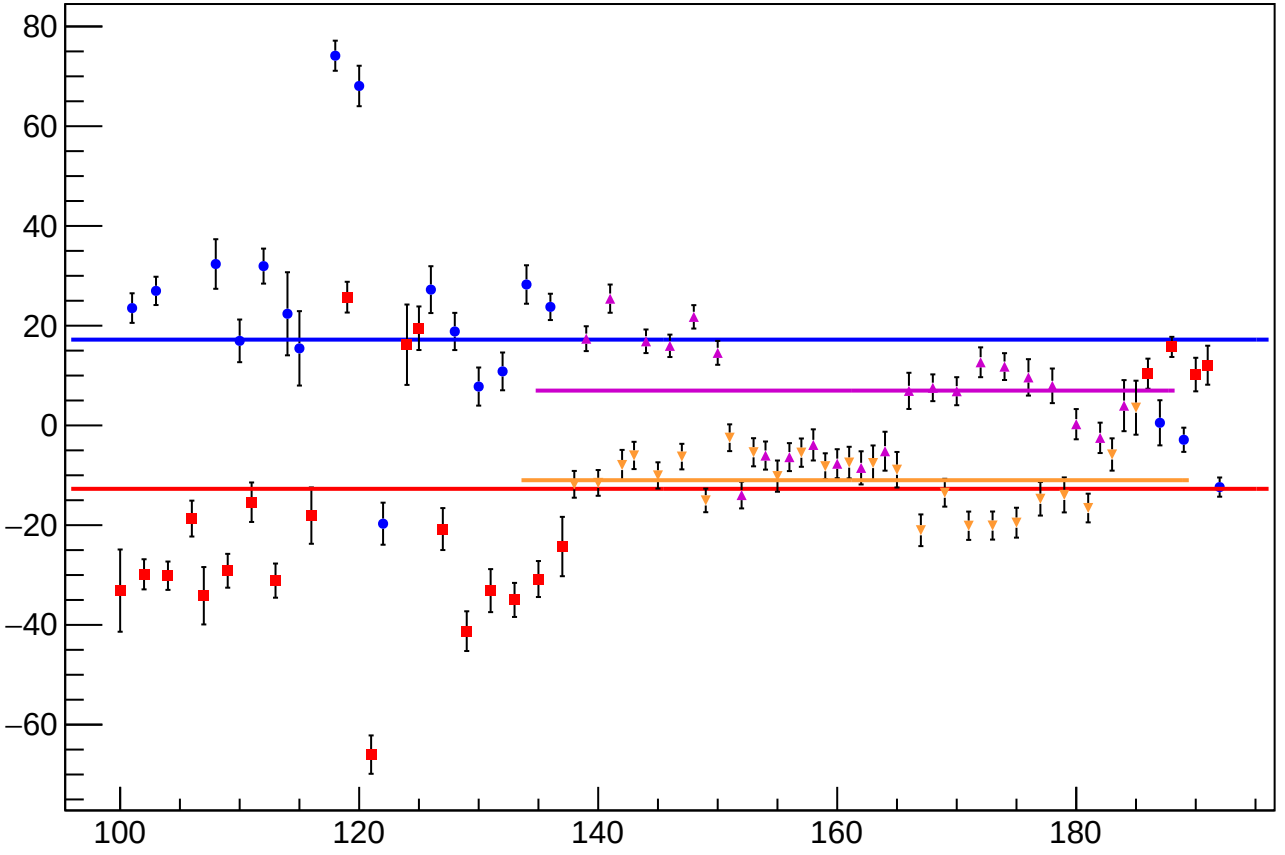
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 2052.400+/-0.278 χ^2/NDF: 1845540.1/43

All: 2048.112+/-0.197 χ^2/NDF: 3490579.7/89

- sign 2043.783+/-0.280 χ^2/NDF: 1644562.1/45

diff_bpm1i06Y_mean vs Slug



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

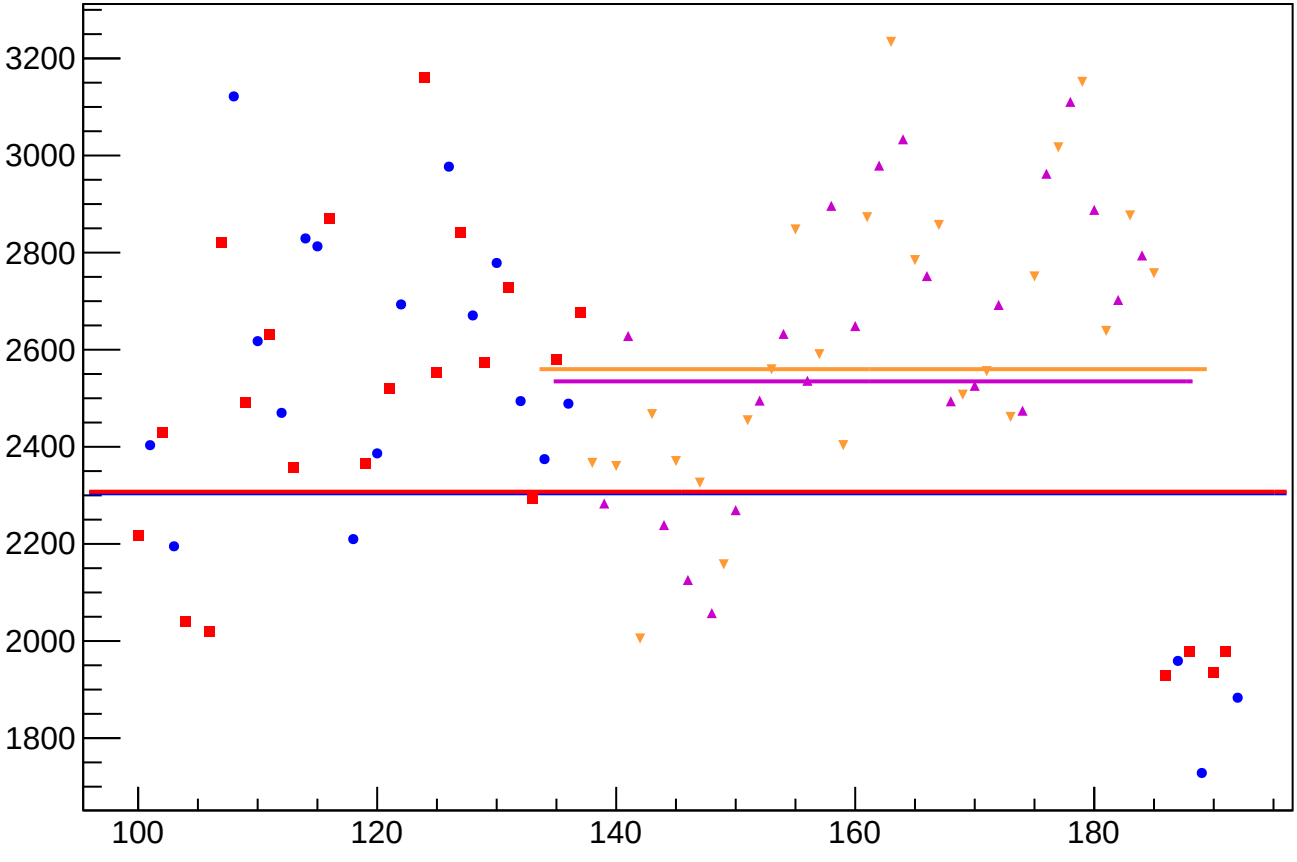
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign -0.879+/-0.469 χ^2/NDF: 1897.1/43

All: -0.725+/-0.332 χ^2/NDF: 3706.4/89

- sign -0.571+/-0.470 χ^2/NDF: 1809.0/45

diff_bpm1i06Y_rms vs Slug



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

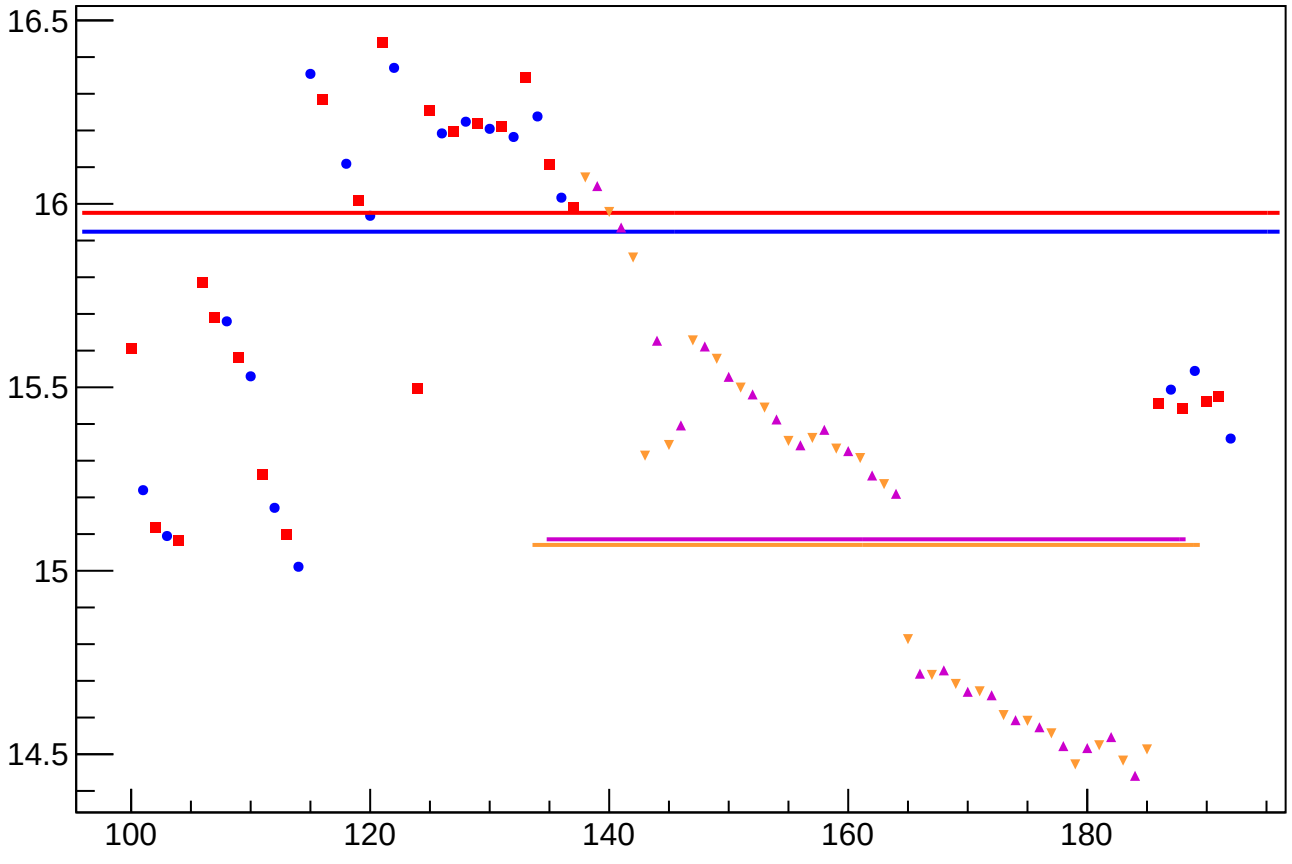
Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2468.275+/-0.332 χ^2/NDF: 1024880.6/43

All: 2457.971+/-0.235 χ^2/NDF: 1928964.2/89

- sign 2447.639+/-0.332 χ^2/NDF: 902152.4/45

yield_sam1_mean vs Slug



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

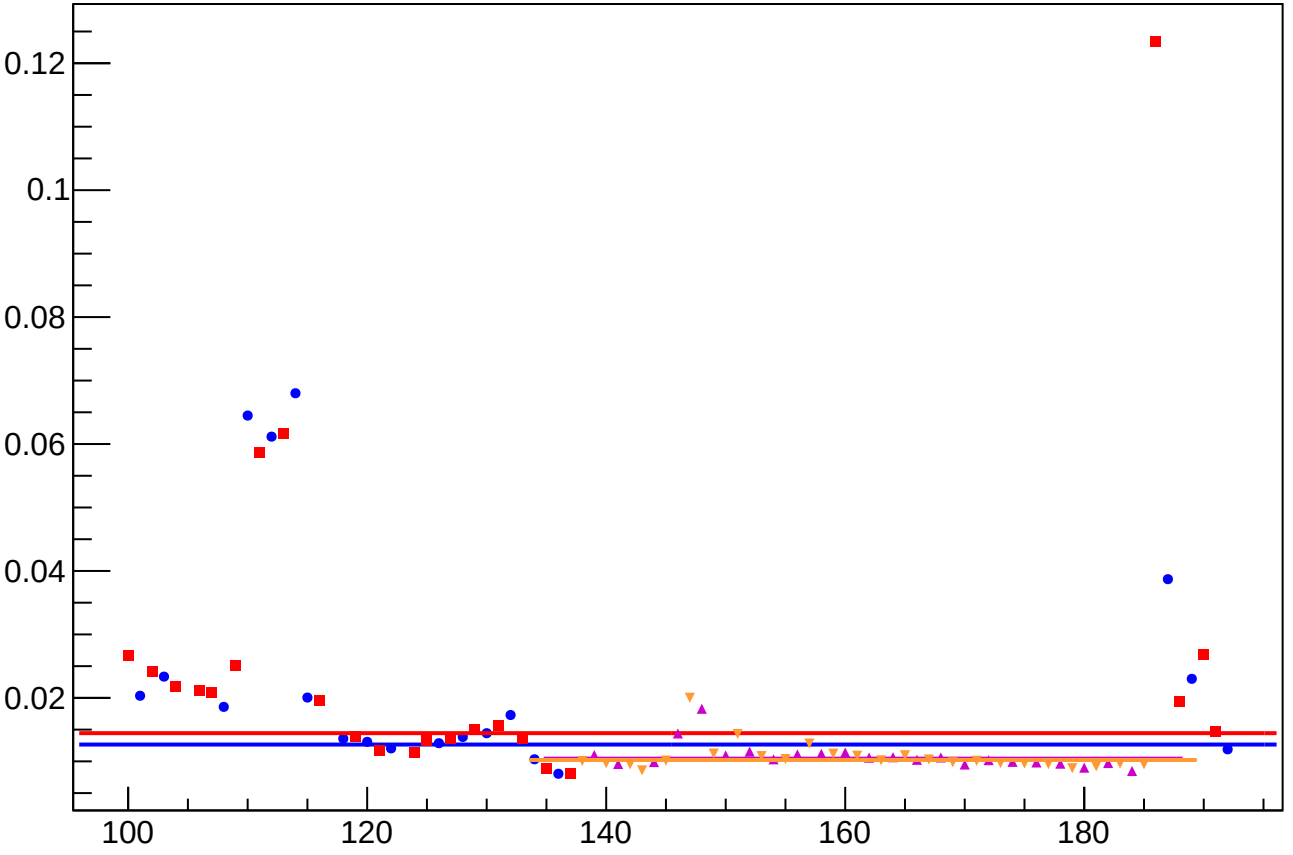
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.241+/-0.000 χ^2/NDF: 74686930721.5/43

All: 15.242+/-0.000 χ^2/NDF: 141225915967.

- sign 15.244+/-0.000 χ^2/NDF: 66538165969.5/45

yield_sam1_rms vs Slug



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

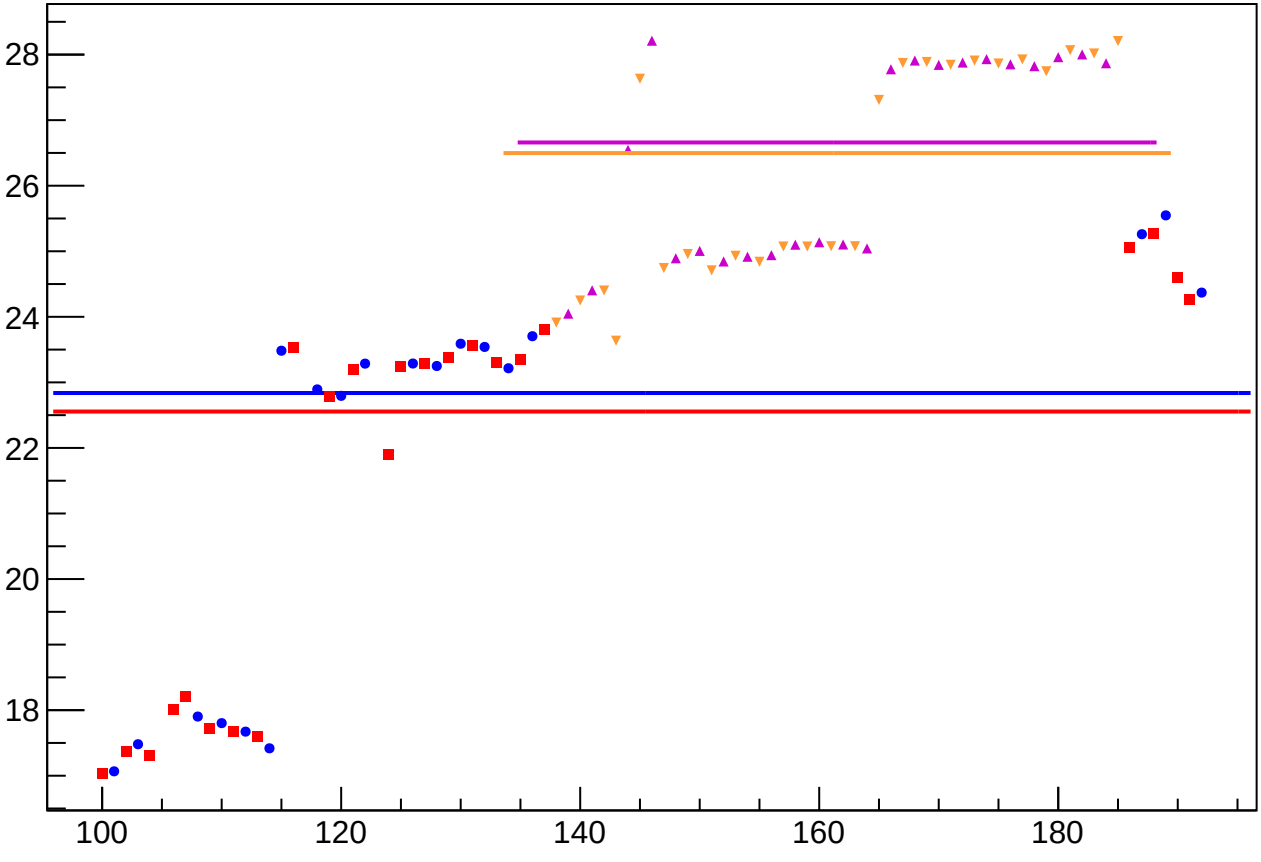
Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 3863893.0/43

All: 0.011+/-0.000 χ^2/NDF: 8530907.4/89

- sign 0.011+/-0.000 χ^2/NDF: 4627777.9/45

yield_sam2_mean vs Slug



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

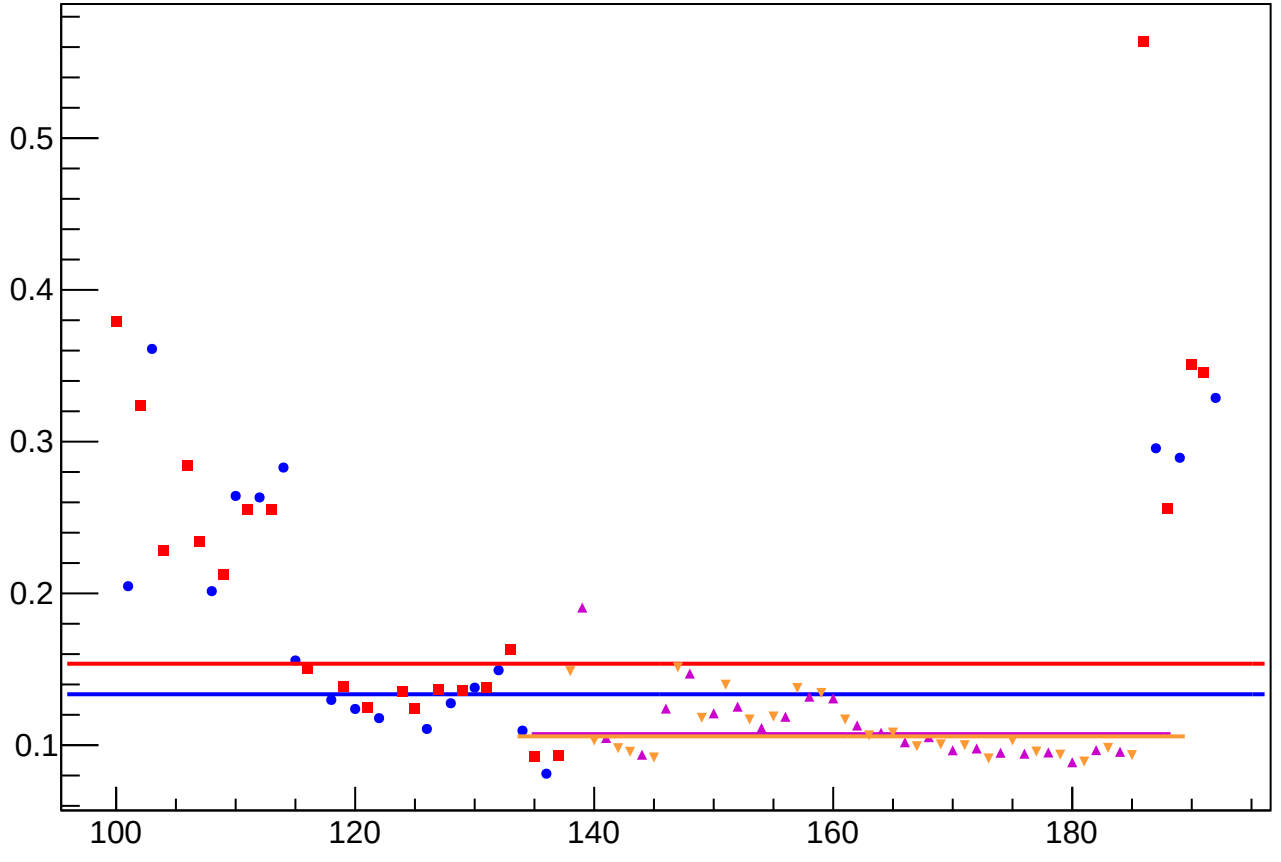
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.782+/-0.000 χ^2/NDF: 9095751500.9/43

All: 25.847+/-0.000 χ^2/NDF: 17489164036.8

- sign 25.919+/-0.000 χ^2/NDF: 8377067630.2/45

yield_sam2_rms vs Slug



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

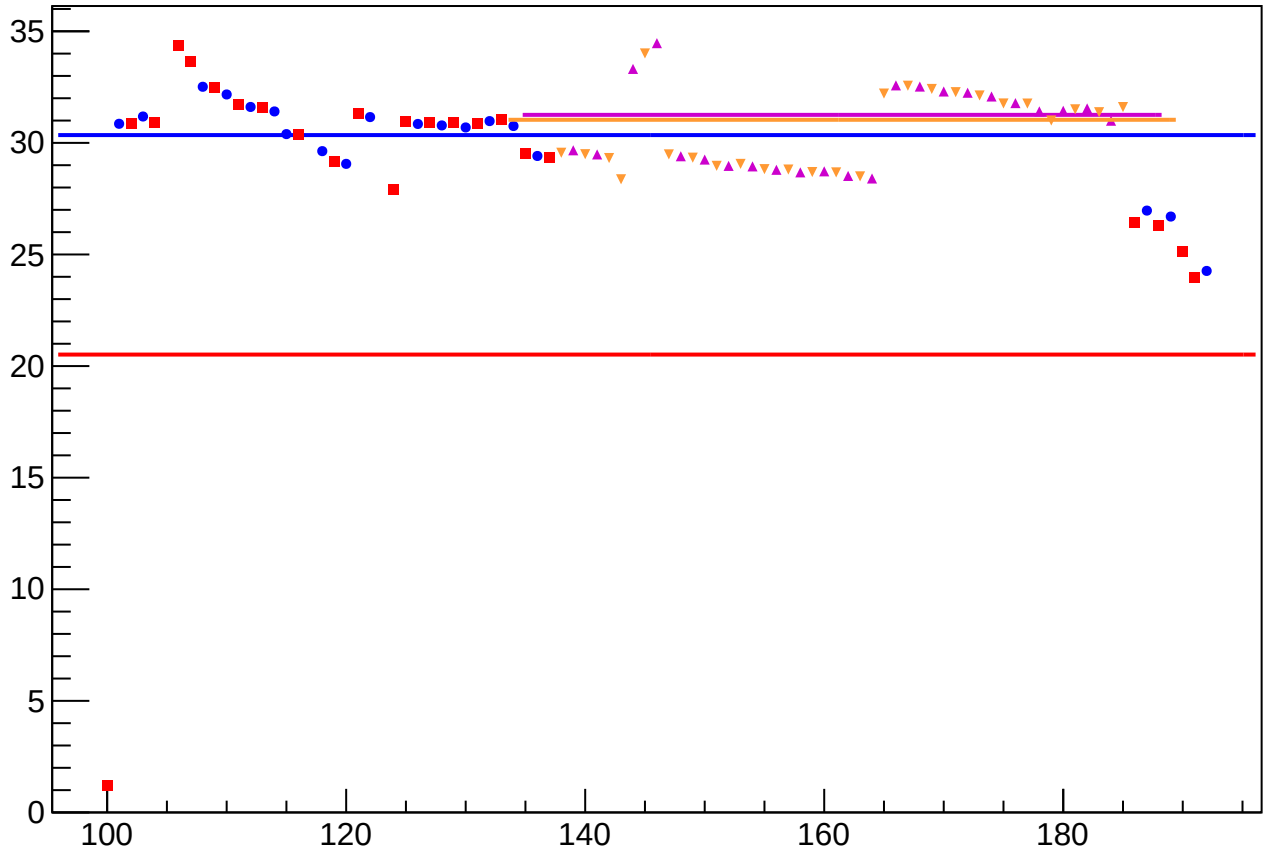
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.111+/-0.000 χ^2/NDF: 4086694.9/43

All: 0.113+/-0.000 χ^2/NDF: 8742608.5/89

- sign 0.116+/-0.000 χ^2/NDF: 4621693.6/45

yield_sam3_mean vs Slug



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

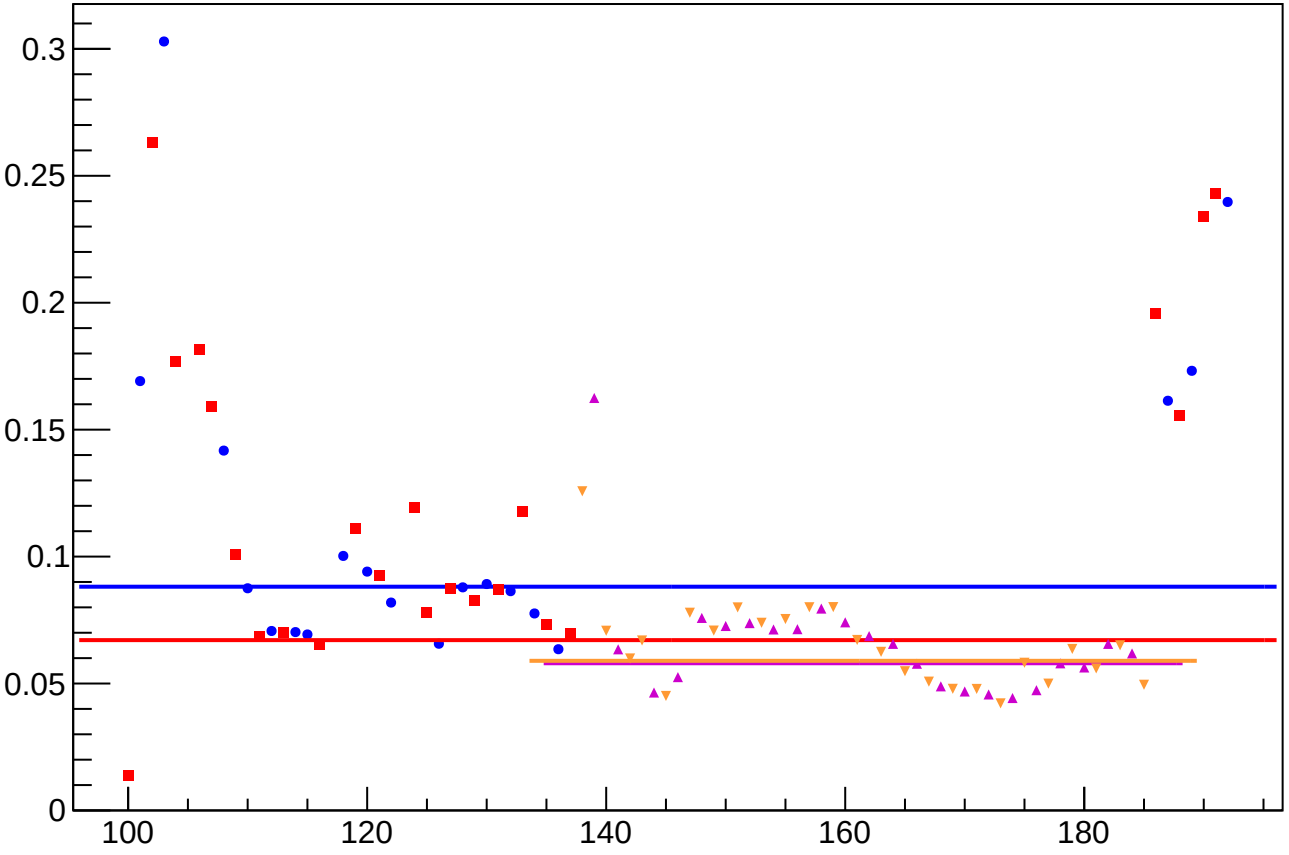
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.925+/-0.000 χ^2/NDF: 13820013523.7/43

All: 29.907+/-0.000 χ^2/NDF: 363378286290.

- sign 28.922+/-0.000 χ^2/NDF: 339154930916.8/45

yield_sam3_rms vs Slug



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

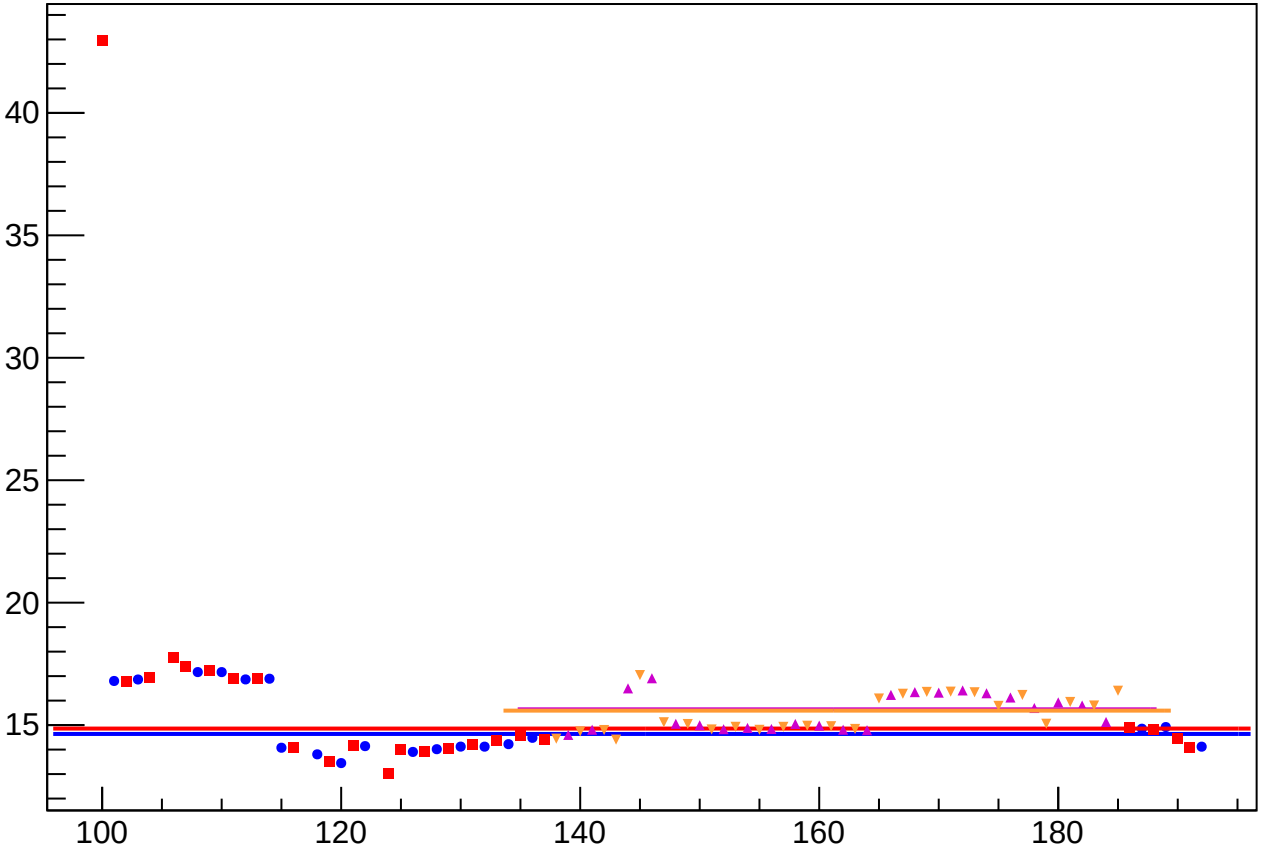
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.064+/-0.000 χ^2/NDF: 5081261.8/43

All: 0.062+/-0.000 χ^2/NDF: 12621122.1/89

- sign 0.060+/-0.000 χ^2/NDF: 7471297.0/45

yield_sam4_mean vs Slug



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

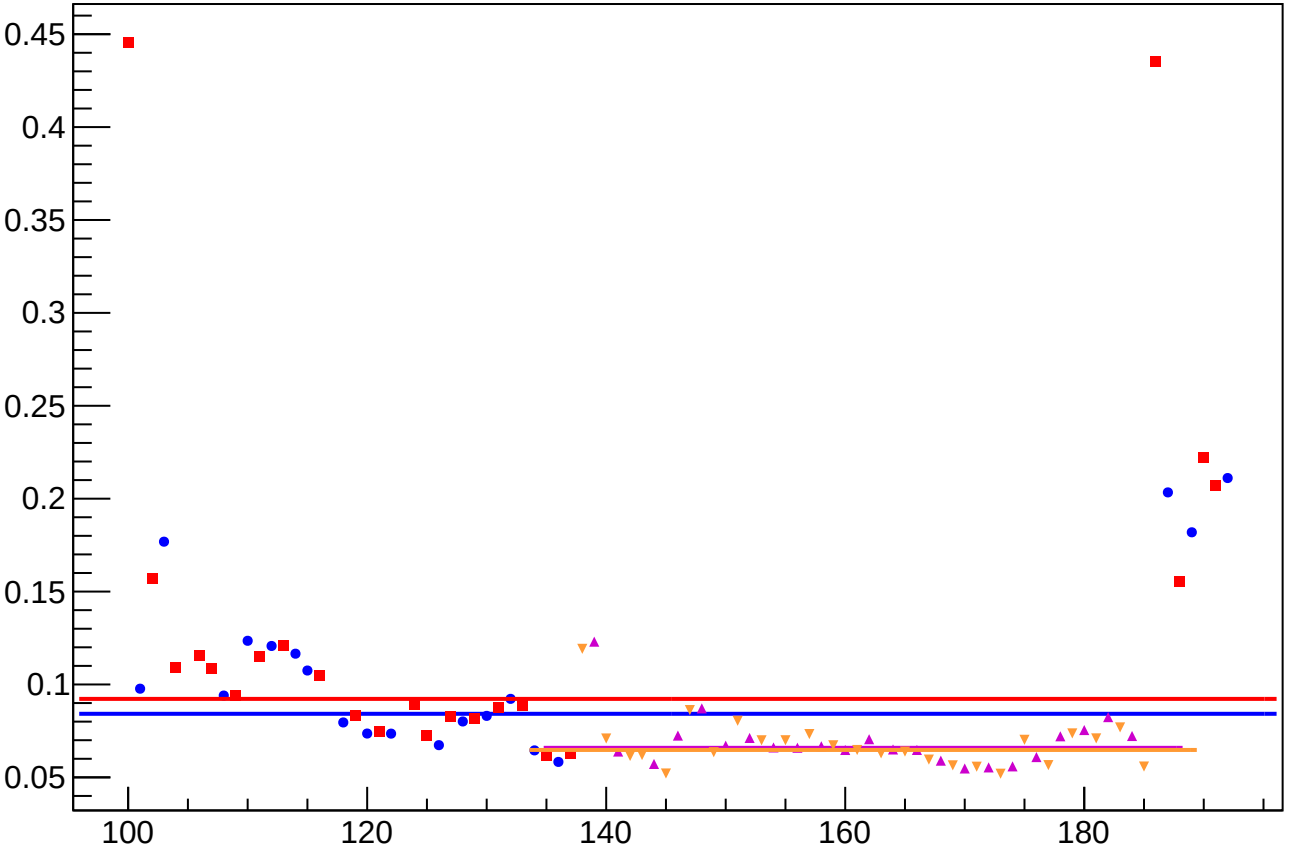
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.400+/-0.000 χ^2/NDF: 4170319074.0/43

All: 15.443+/-0.000 χ^2/NDF: 8216906670.4/8

- sign 15.490+/-0.000 χ^2/NDF: 4027590158.1/45

yield_sam4_rms vs Slug



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

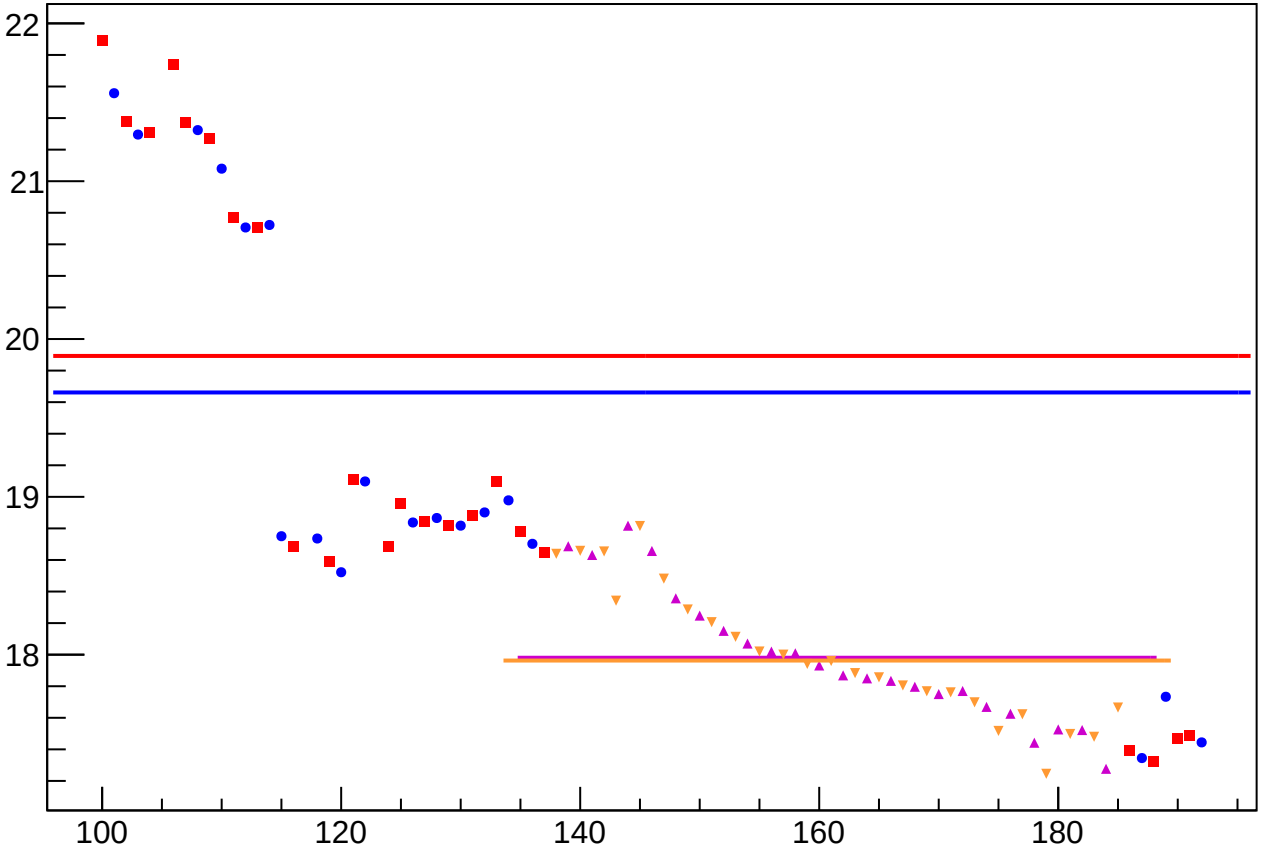
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.069+/-0.000 χ^2/NDF: 3531740.1/43

All: 0.070+/-0.000 χ^2/NDF: 7338360.7/89

- sign 0.071+/-0.000 χ^2/NDF: 3779645.8/45

yield_sam5_mean vs Slug



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

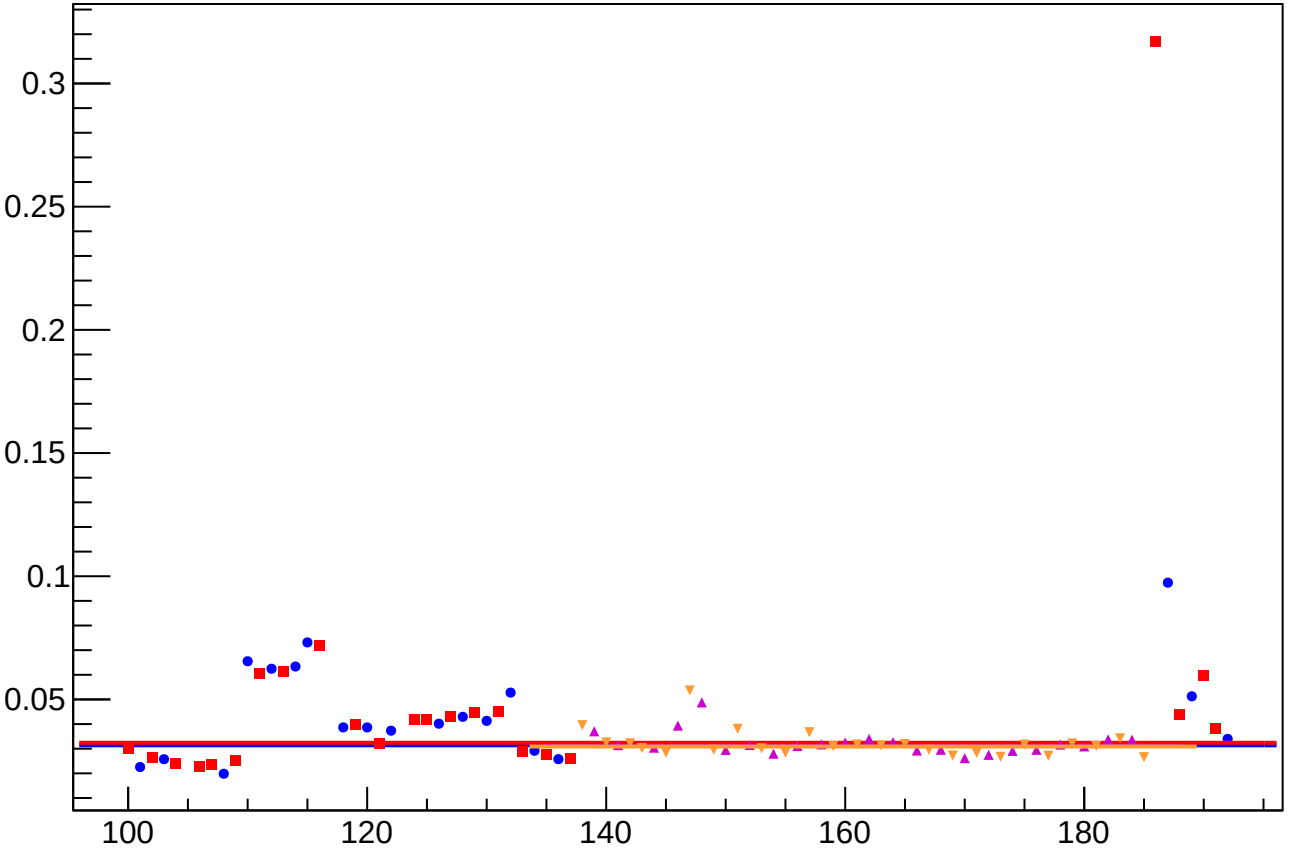
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.441+/-0.000 χ^2/NDF: 35037788870.7/43

All: 18.485+/-0.000 χ^2/NDF: 72280116610.1

- sign 18.532+/-0.000 χ^2/NDF: 37134065518.4/45

yield_sam5_rms vs Slug



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

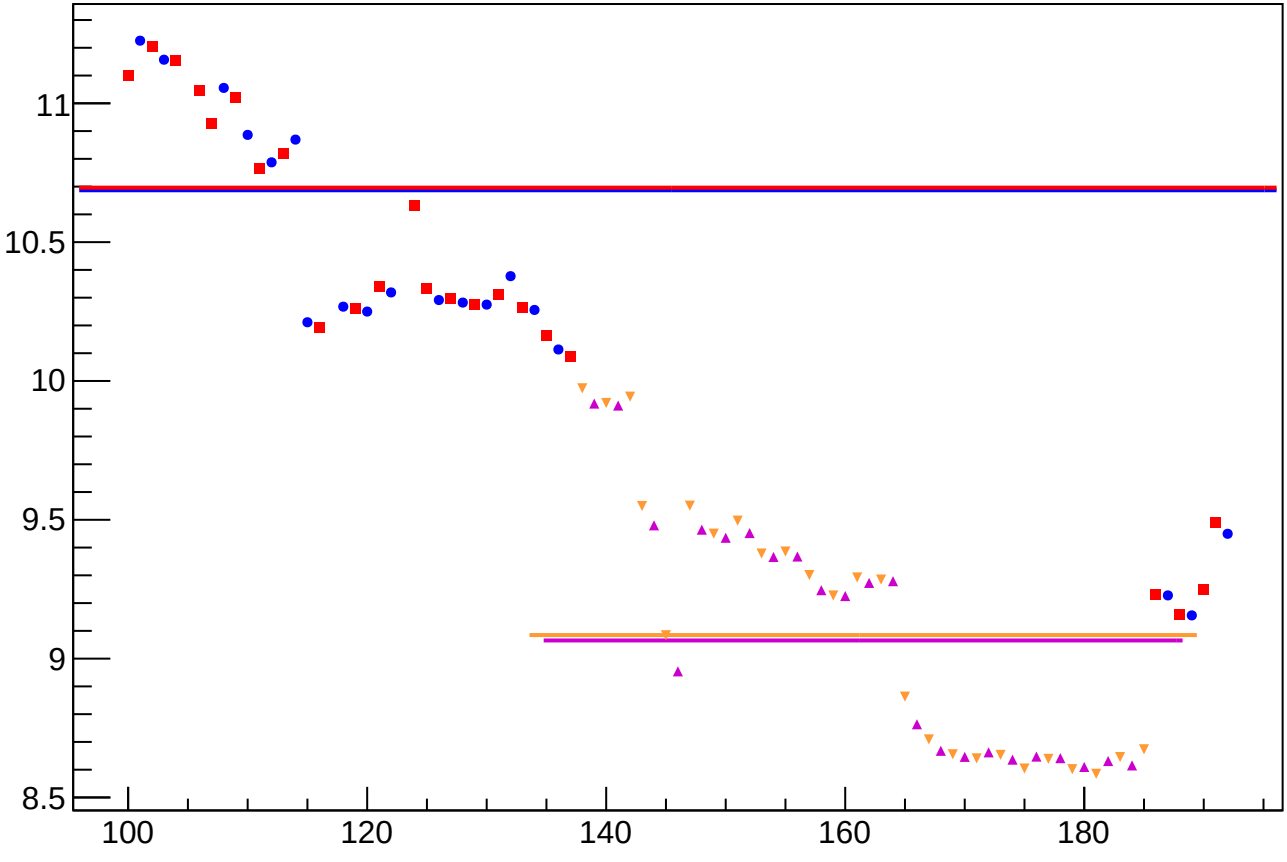
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.031+/-0.000 χ^2/NDF: 2422529.7/43

All: 0.031+/-0.000 χ^2/NDF: 5047449.1/89

- sign 0.032+/-0.000 χ^2/NDF: 2619096.7/45

yield_sam6_mean vs Slug



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

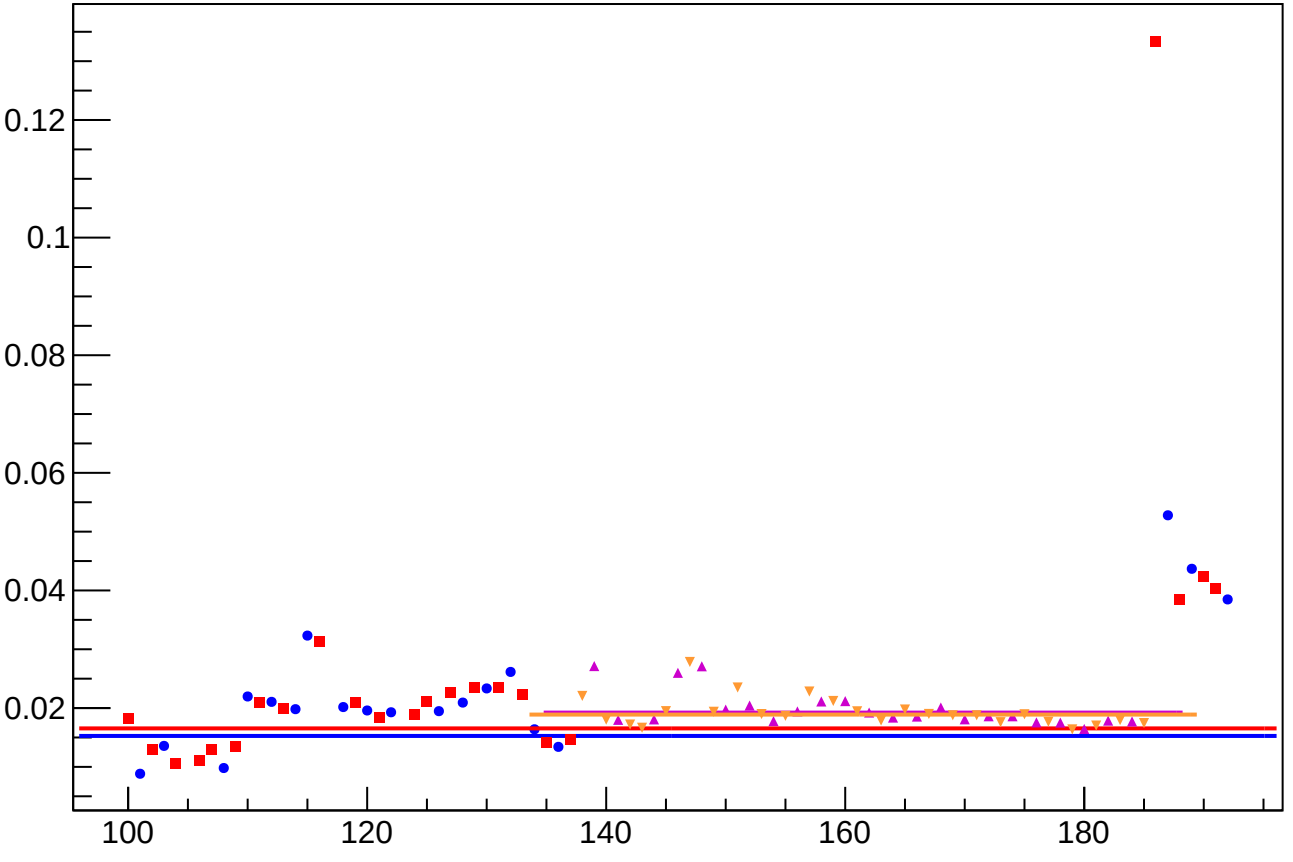
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.673+/-0.000 χ^2/NDF: 64354455759.5/43

All: 9.672+/-0.000 χ^2/NDF: 123250374176.6

- sign 9.672+/-0.000 χ^2/NDF: 58895829815.7/45

yield_sam6_rms vs Slug



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

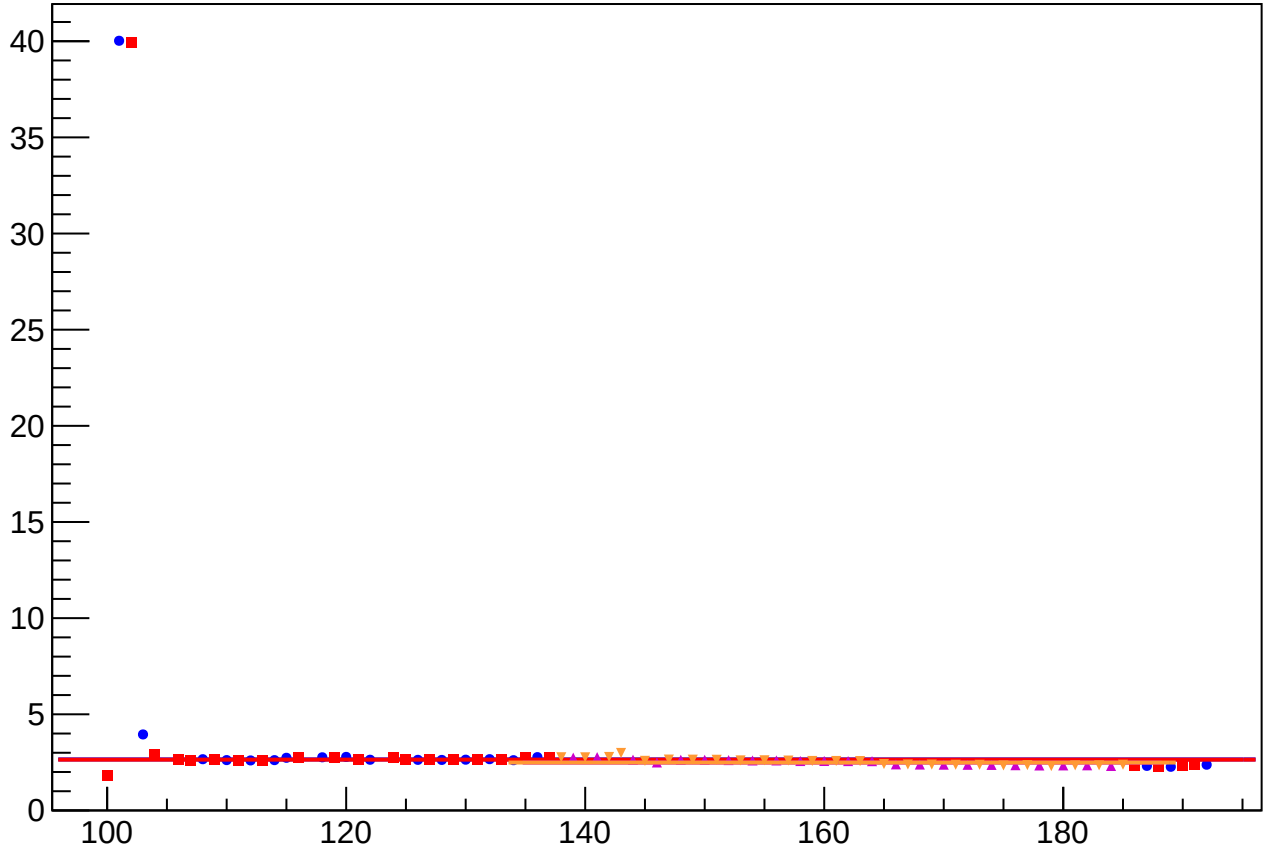
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.018+/-0.000 χ^2/NDF: 3765946.2/43

All: 0.018+/-0.000 χ^2/NDF: 7318867.3/89

- sign 0.018+/-0.000 χ^2/NDF: 3519320.0/45

yield_sam7_mean vs Slug



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

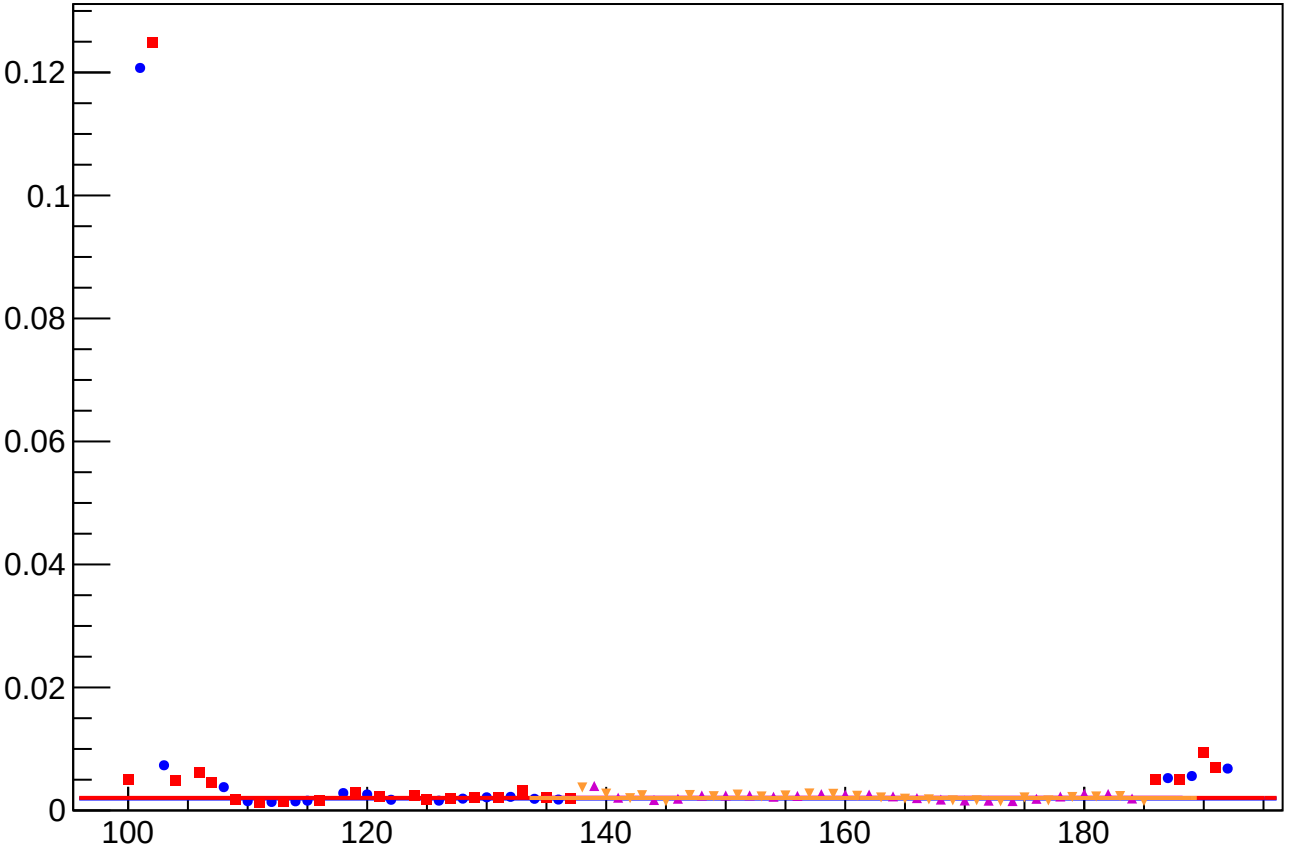
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.537+/-0.000 χ^2/NDF: 193187391800.1/43

All: 2.536+/-0.000 χ^2/NDF: 350663820626.7

- sign 2.534+/-0.000 χ^2/NDF: 157455285107.9/45

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3405548.6/18

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

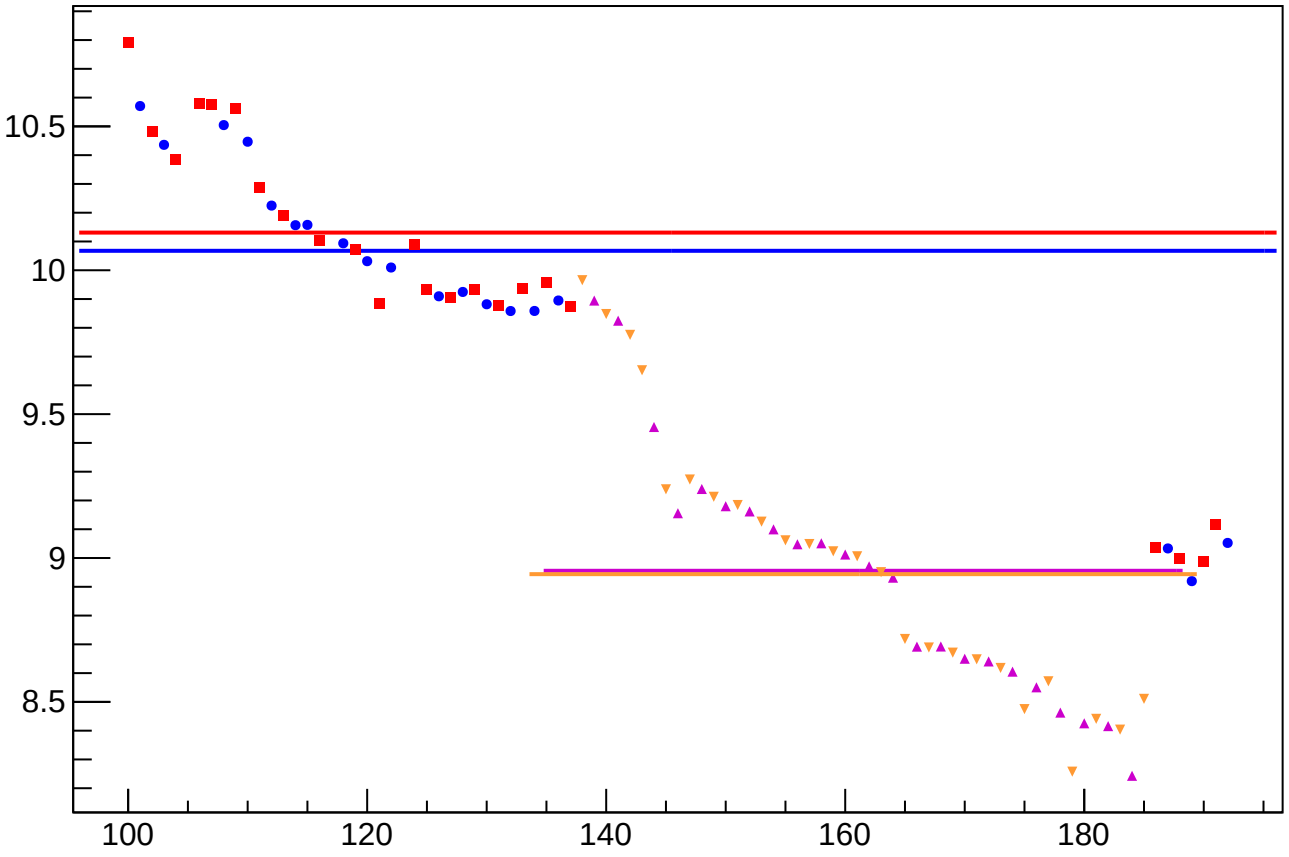
Right Out: 0.002+/-0.000 χ^2/NDF: 4139959.9/22

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 4977915.5/43

All: 0.002+/-0.000 χ^2/NDF: 10539304.5/89

- sign 0.002+/-0.000 χ^2/NDF: 5543093.0/45



Right In: 10.068+/-0.000 χ^2/NDF: 17161897661.0/18

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

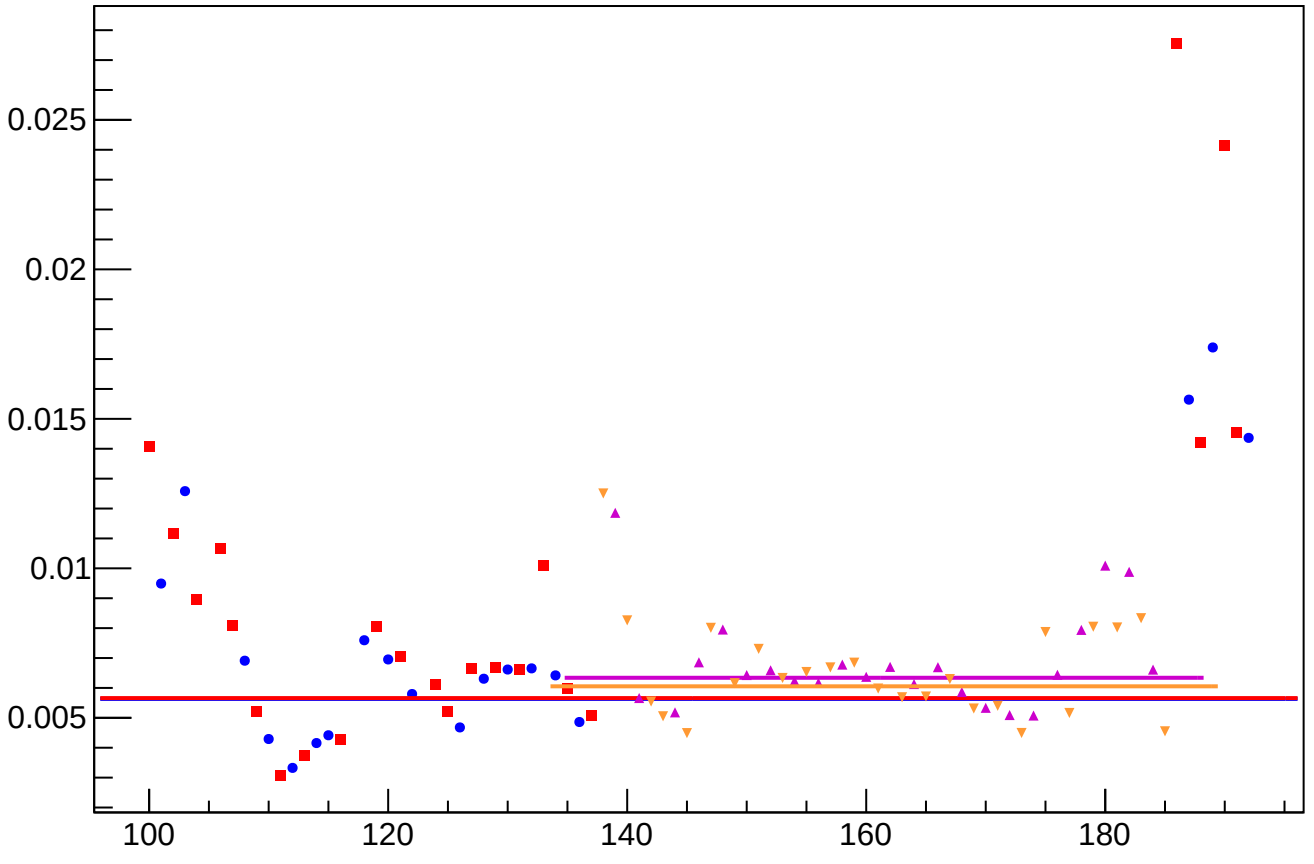
Right Out: 10.131+/-0.000 χ^2/NDF: 17949983825.3/22

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.309+/-0.000 χ^2/NDF: 253923928173.0/43

All: 9.342+/-0.000 χ^2/NDF: 505000117058.9

- sign 9.379+/-0.000 χ^2/NDF: 249641543025.3/45



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

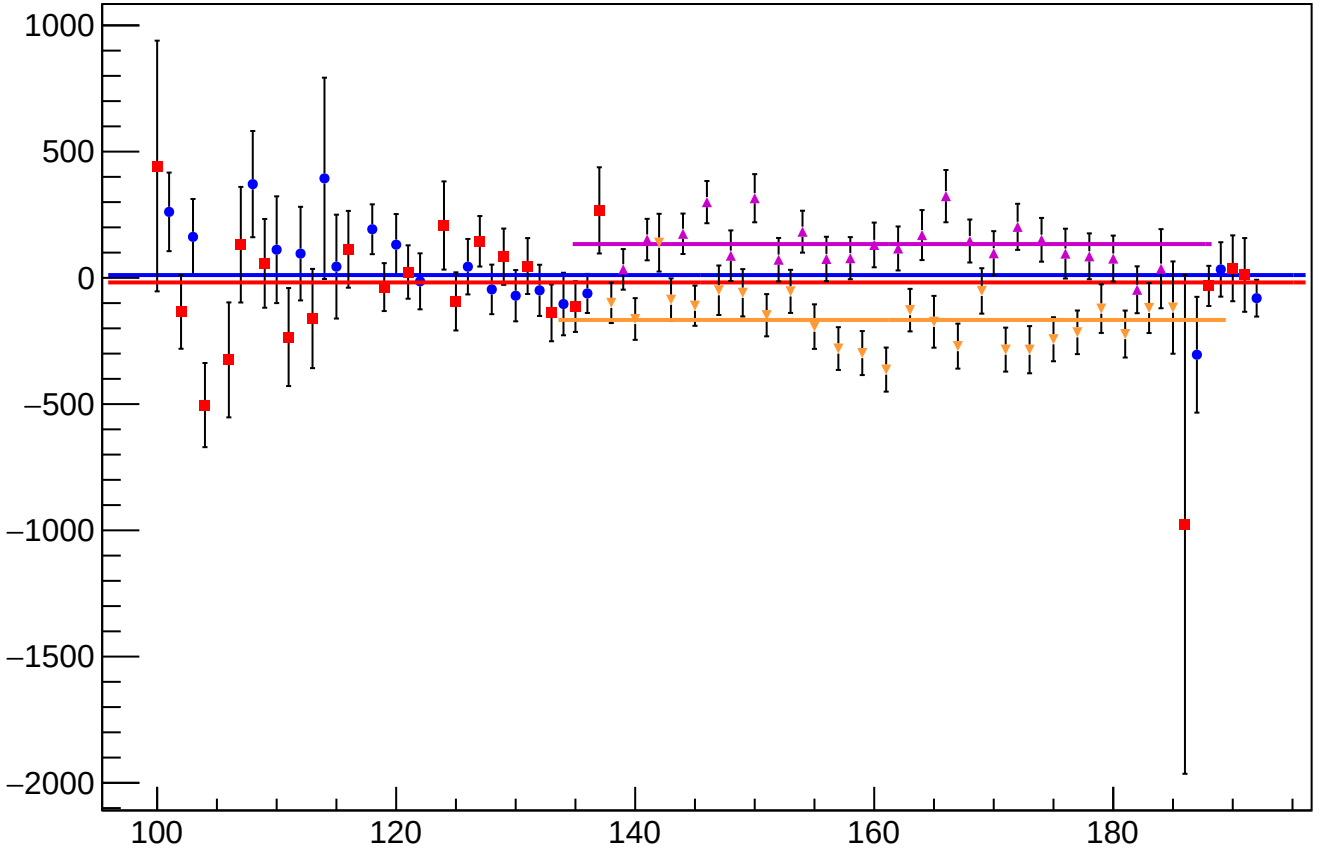
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 4141643.0/43

All: 0.006+/-0.000 χ^2/NDF: 9055591.8/89

- sign 0.006+/-0.000 χ^2/NDF: 4895265.9/45

reg_asym_sam1_mean vs Slug



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

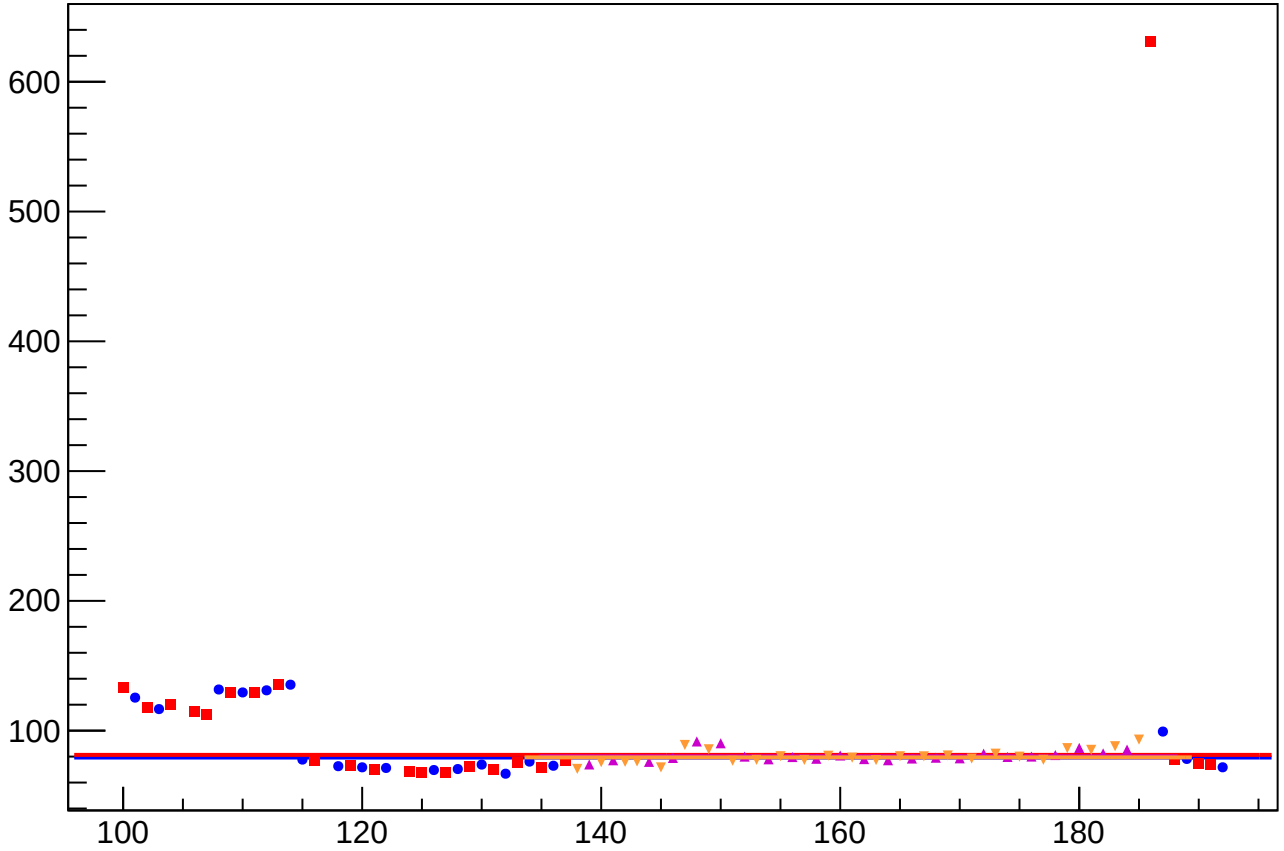
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -112.307+/-15.062 χ^2/NDF: 80.2/43

All: -16.155+/-10.813 χ^2/NDF: 232.8/89

- sign 86.124+/-15.534 χ^2/NDF: 68.5/45

reg_asym_sam1_rms vs Slug



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

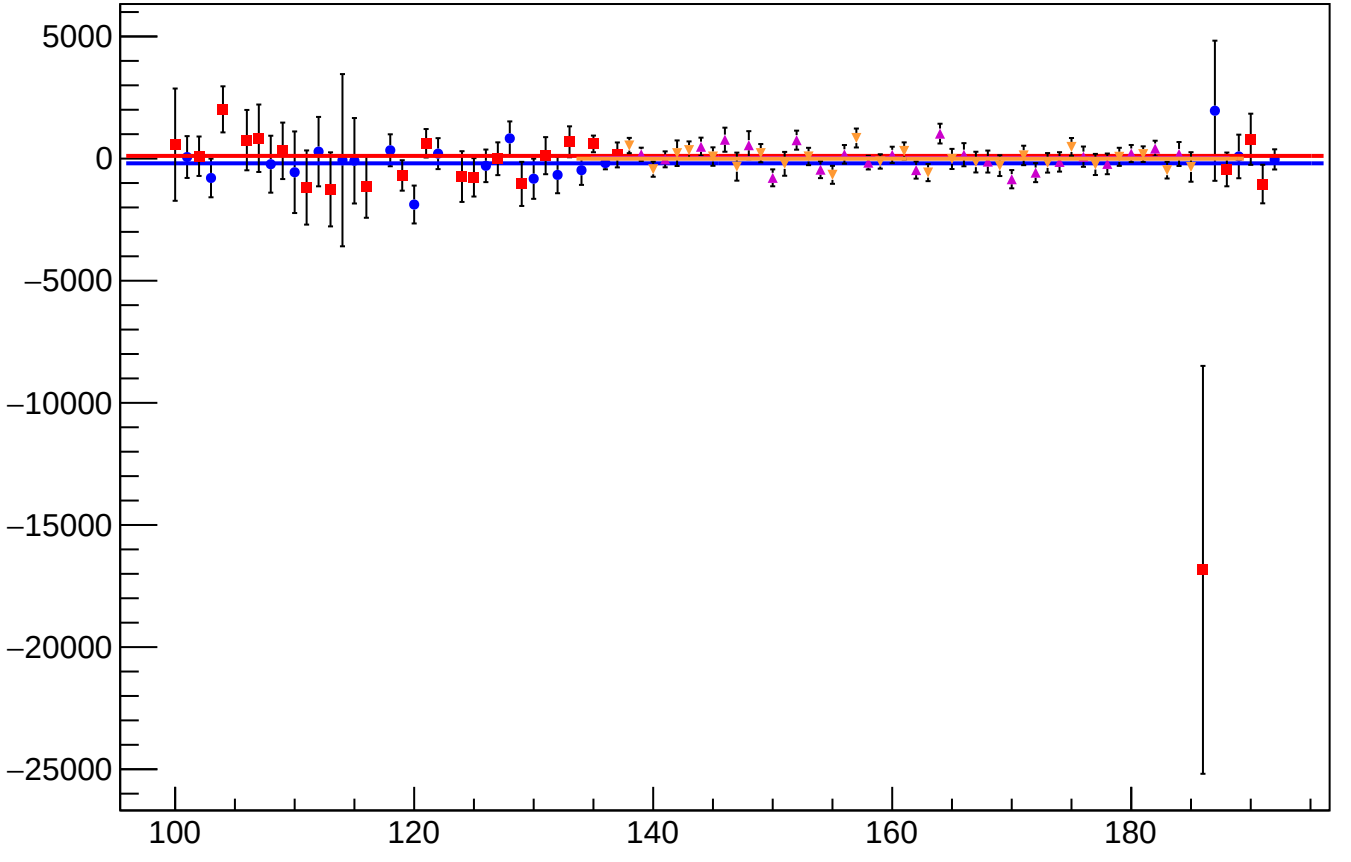
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.372+/-0.011 χ^2/NDF: 1013997.7/43

All: 79.930+/-0.008 χ^2/NDF: 2679138.3/89

- sign 80.524+/-0.011 χ^2/NDF: 1659467.1/45

asym_sam1_reg_correction_mean vs Slug



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

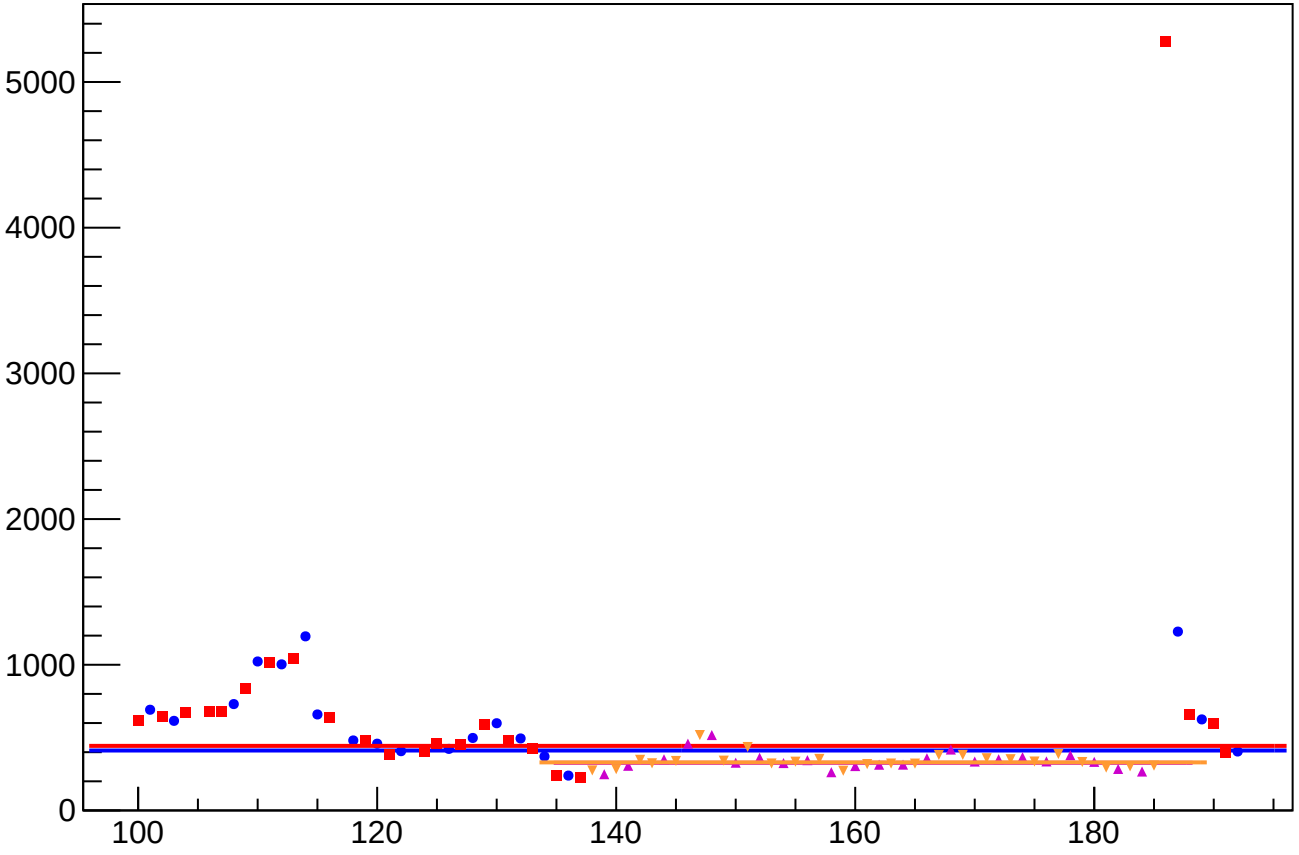
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -42.277+/-67.684 χ^2/NDF: 36.2/43

All: -4.038+/-48.583 χ^2/NDF: 95.6/89

- sign 36.601+/-69.777 χ^2/NDF: 58.8/45

asym_sam1_reg_correction_rms vs Slug



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

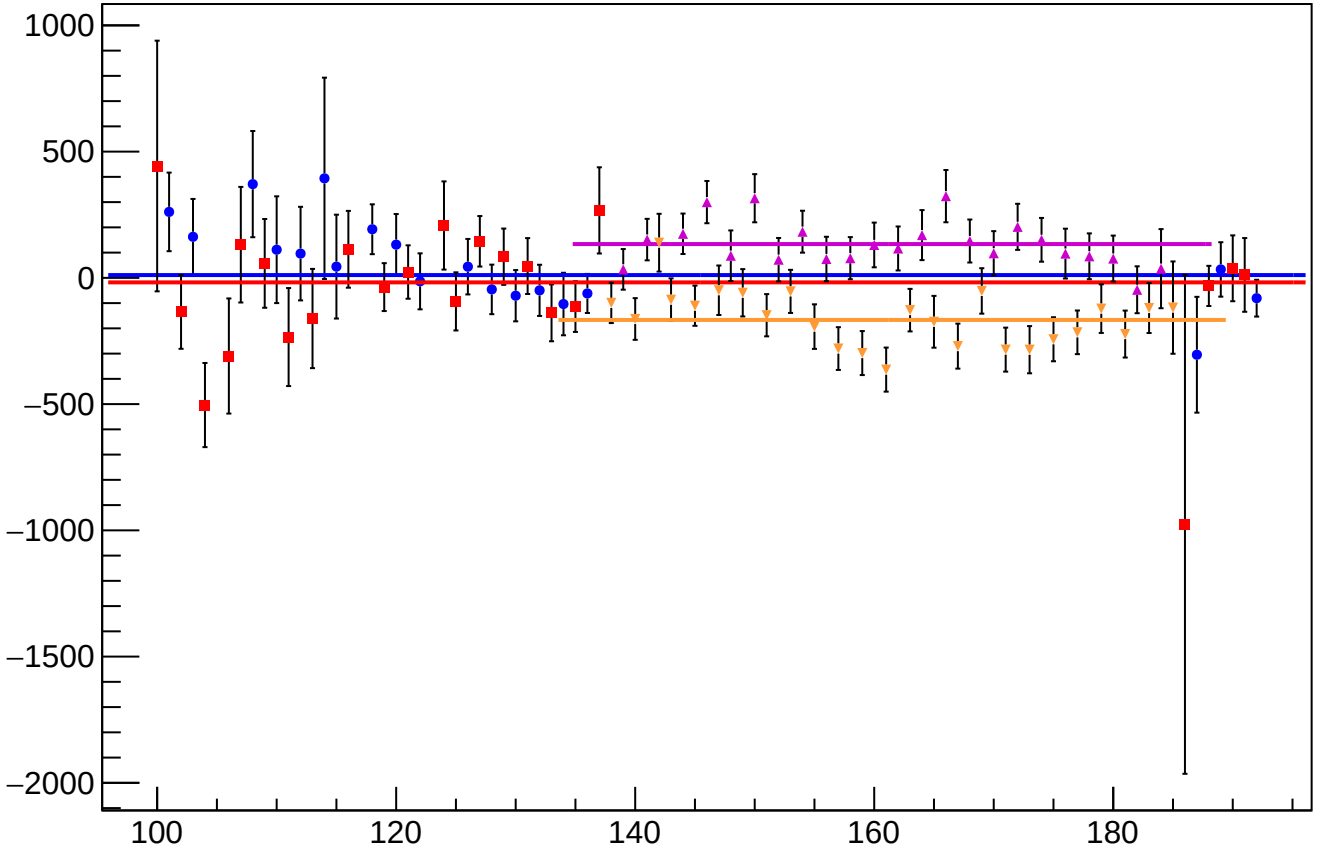
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 346.587+/-0.048 χ^2/NDF: 3772615.9/43

All: 347.801+/-0.034 χ^2/NDF: 8838257.7/89

- sign 349.091+/-0.049 χ^2/NDF: 5064315.4/45

cor_asym_sam1_mean vs Slug



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

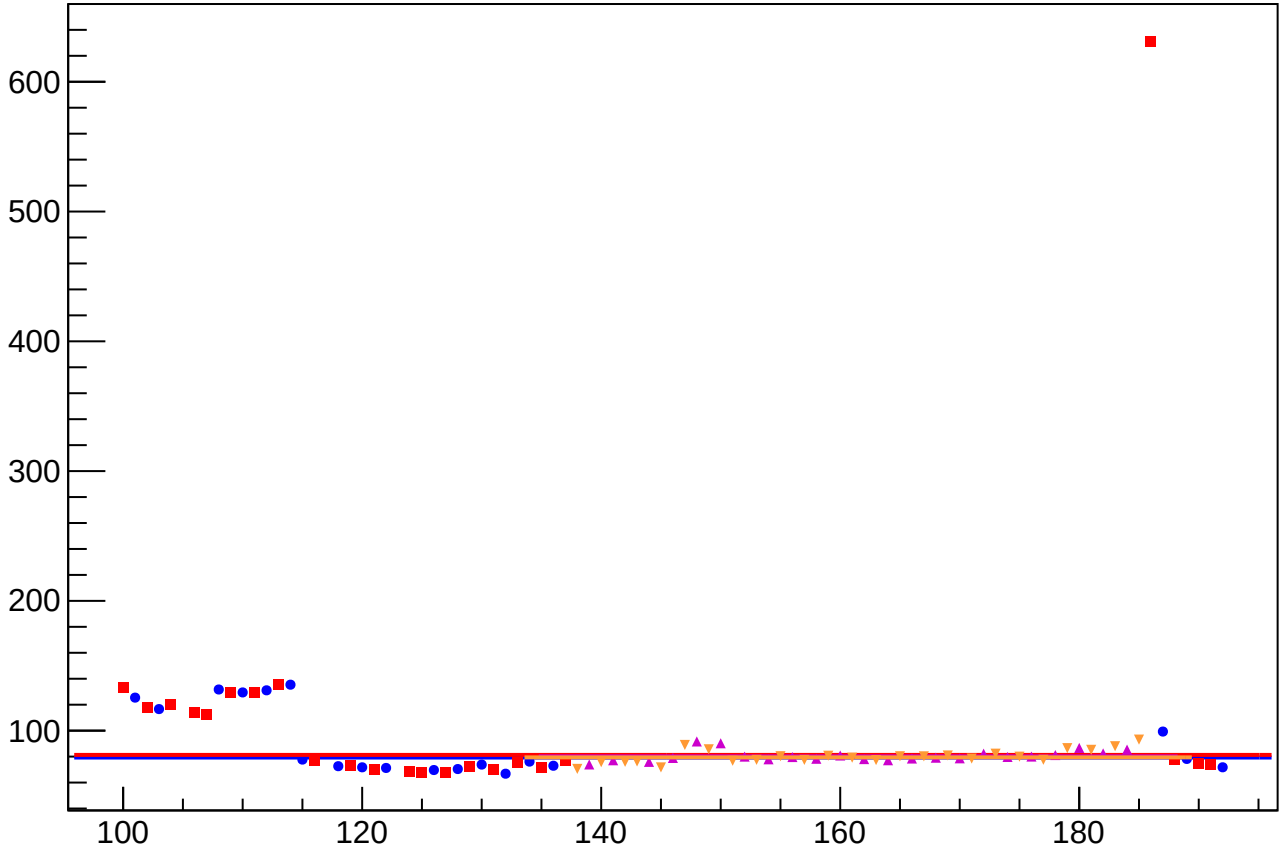
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -112.303+/-15.062 χ^2/NDF: 80.2/43

All: -16.116+/-10.813 χ^2/NDF: 232.6/89

- sign 86.204+/-15.534 χ^2/NDF: 68.2/45

cor_asym_sam1_rms vs Slug



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

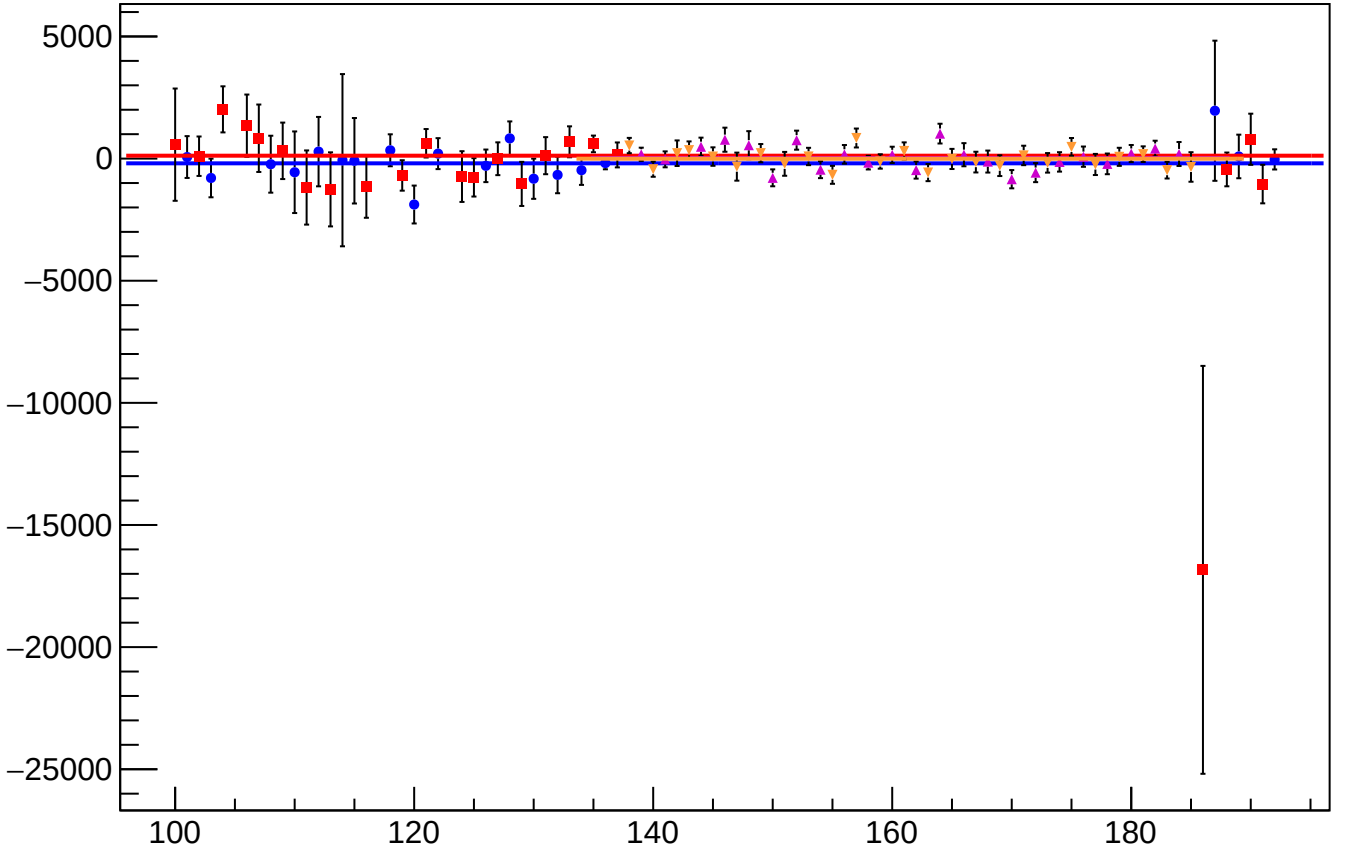
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.372+/-0.011 χ^2/NDF: 1013997.9/43

All: 79.928+/-0.008 χ^2/NDF: 2677138.5/89

- sign 80.520+/-0.011 χ^2/NDF: 1657504.3/45

asym_sam1_cor_correction_mean vs Slug



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

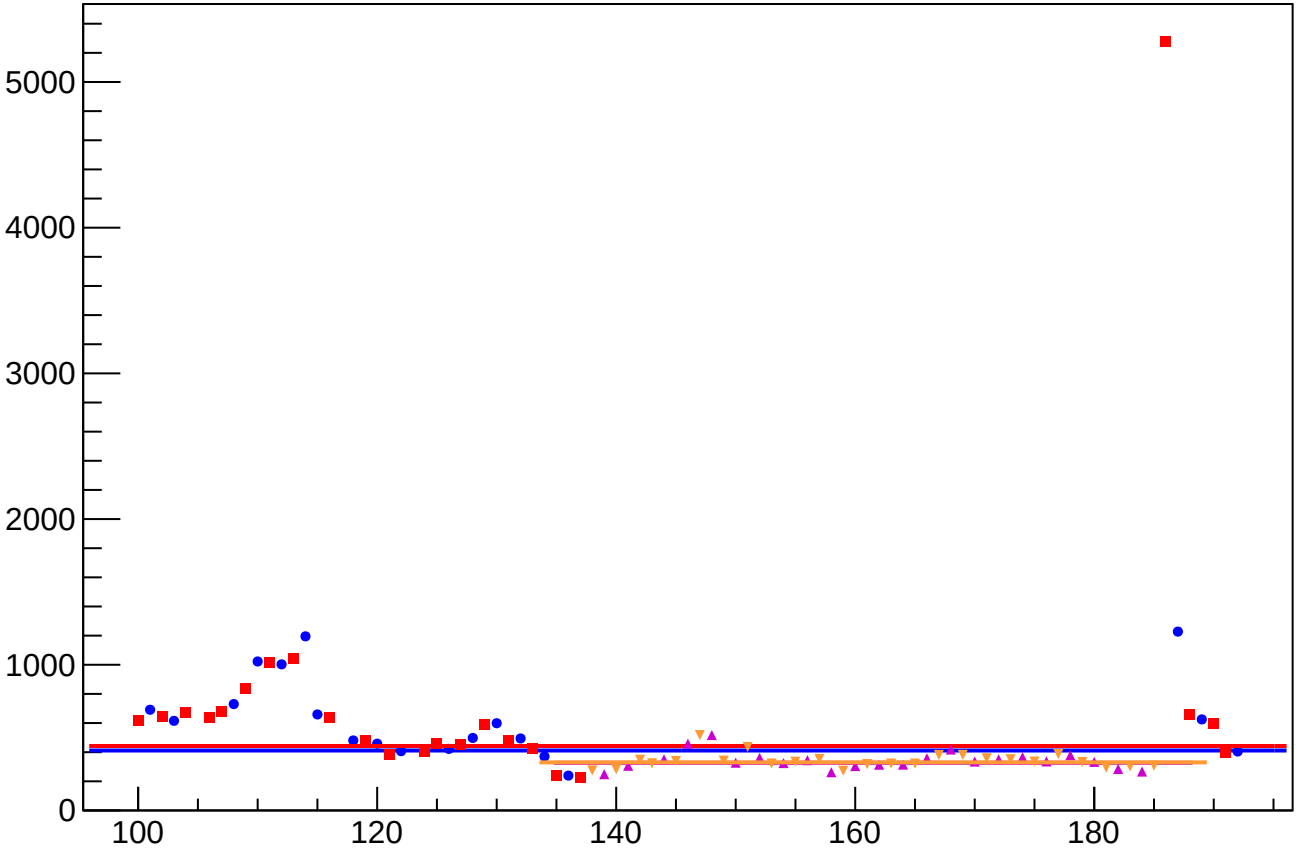
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -42.276+/-67.684 χ^2/NDF: 36.2/43

All: -3.245+/-48.585 χ^2/NDF: 96.3/89

- sign 38.246+/-69.784 χ^2/NDF: 59.5/45

asym_sam1_cor_correction_rms vs Slug



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

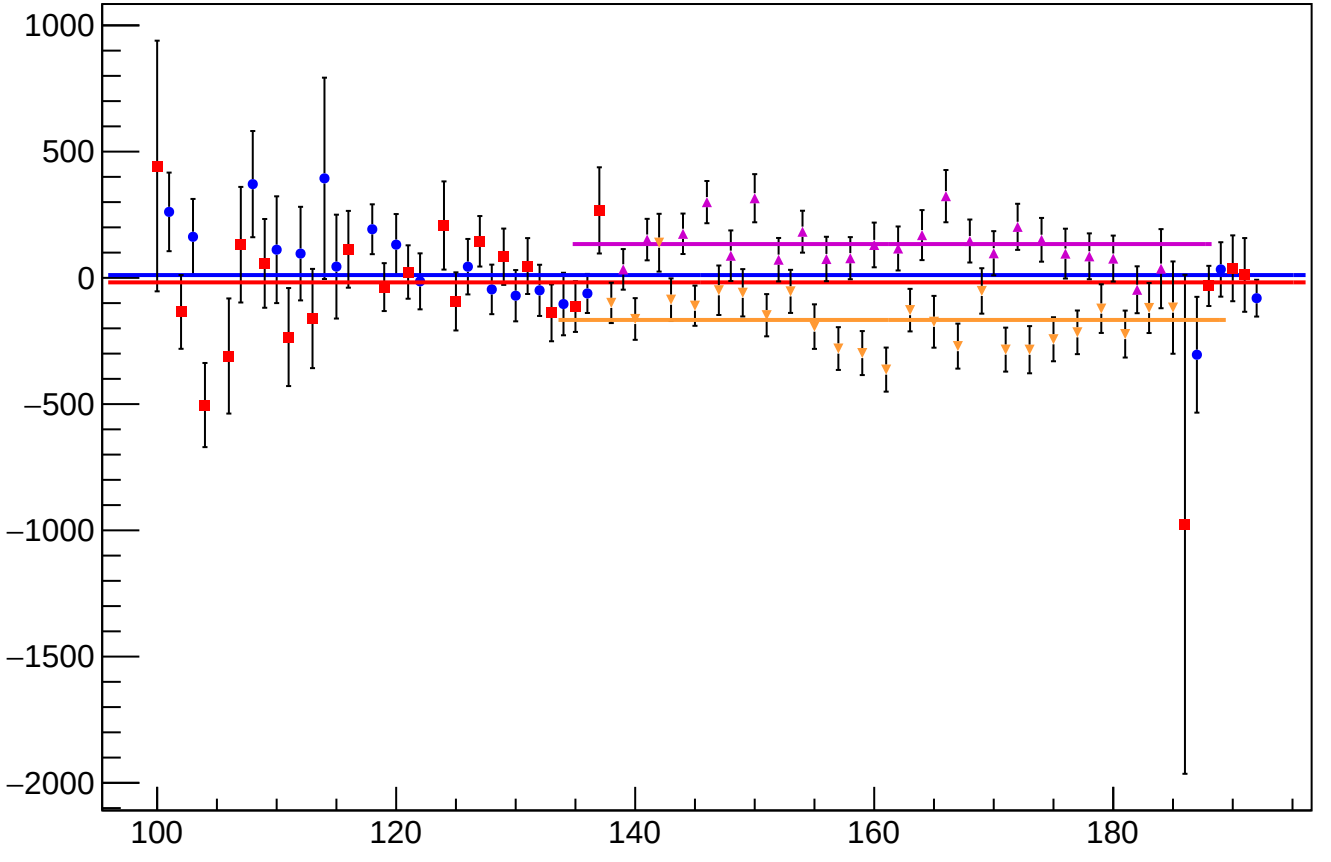
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 346.587+/-0.048 χ^2/NDF: 3772622.1/43

All: 347.713+/-0.034 χ^2/NDF: 8799407.4/89

- sign 348.910+/-0.049 χ^2/NDF: 5025643.9/45

eigen_cor_asym_sam1_mean vs Slug



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

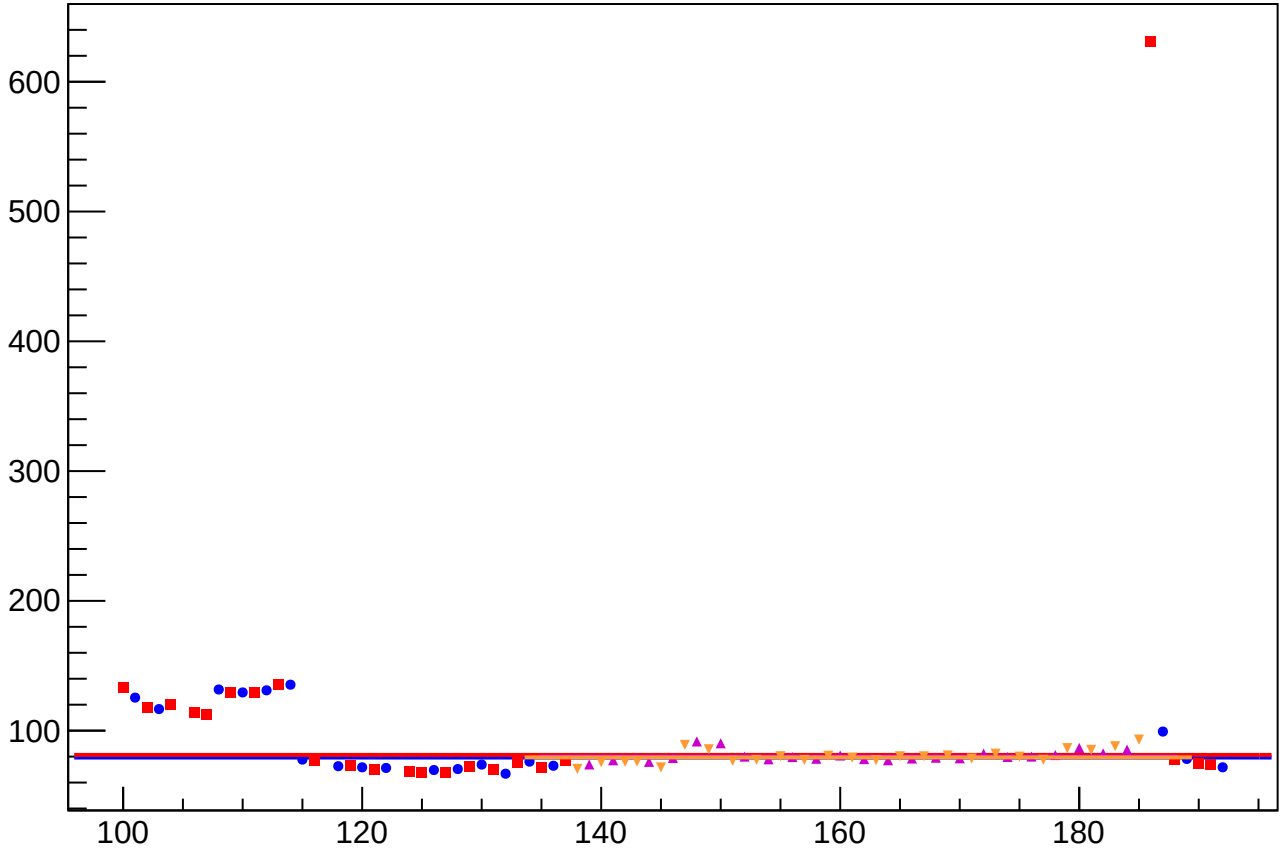
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -112.303+/-15.062 χ^2/NDF: 80.2/43

All: -16.116+/-10.813 χ^2/NDF: 232.6/89

- sign 86.204+/-15.534 χ^2/NDF: 68.2/45

eigen_cor_asym_sam1_rms vs Slug



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

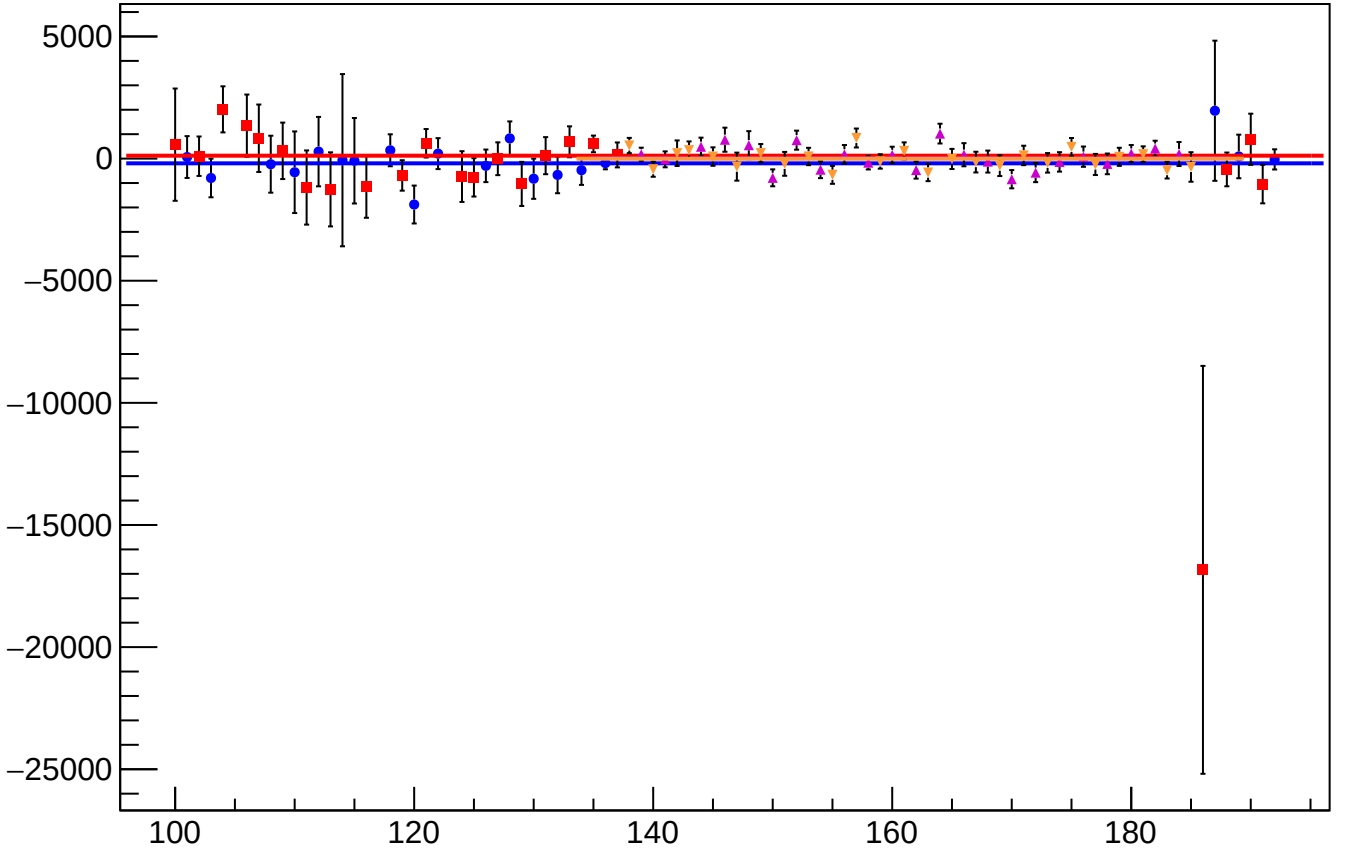
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.372+/-0.011 χ^2/NDF: 1013997.9/43

All: 79.928+/-0.008 χ^2/NDF: 2677138.5/89

- sign 80.520+/-0.011 χ^2/NDF: 1657504.3/45

asym_sam1_eigen_cor_correction_mean vs Slug



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

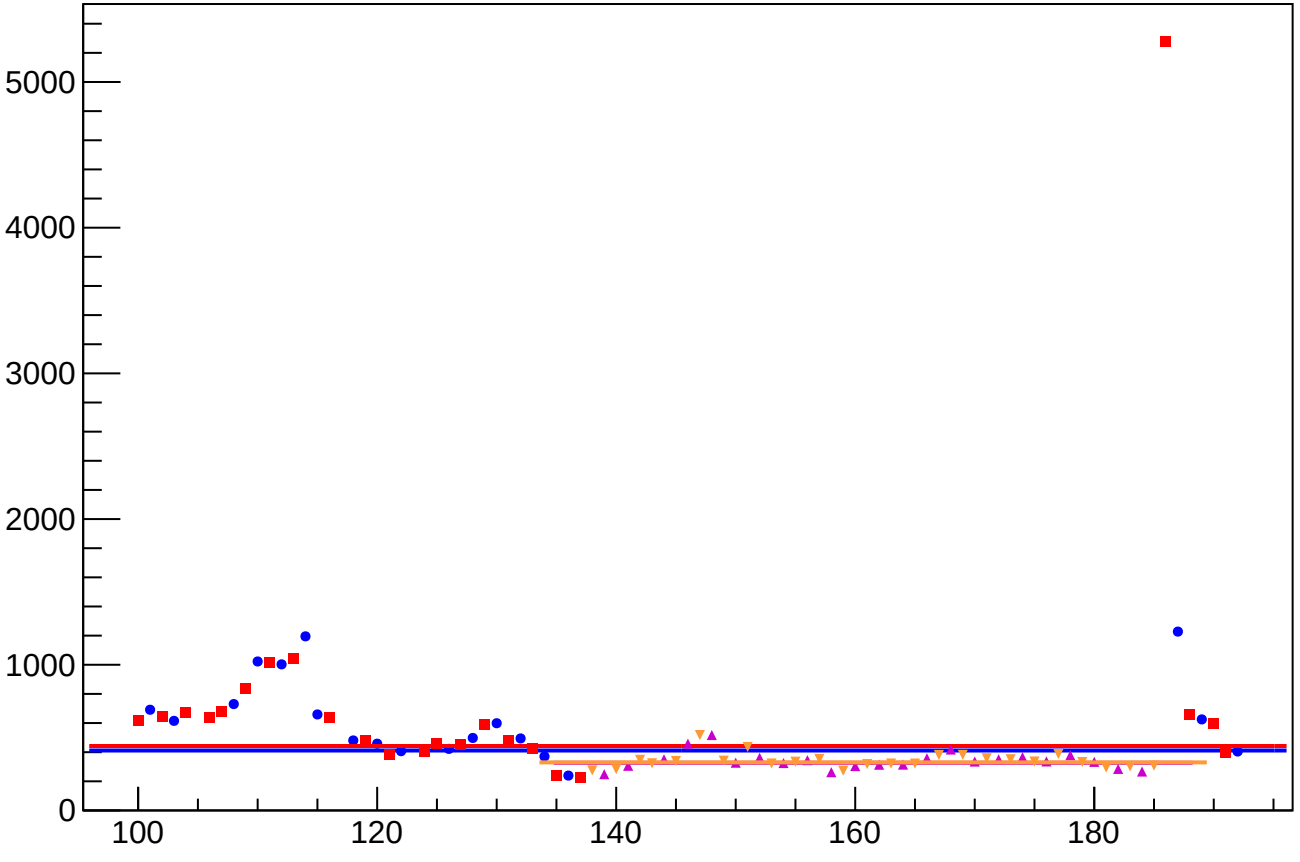
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -42.276+/-67.684 χ^2/NDF: 36.2/43

All: -3.245+/-48.585 χ^2/NDF: 96.3/89

- sign 38.246+/-69.784 χ^2/NDF: 59.5/45

asym_sam1_eigen_cor_correction_rms vs Slug



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

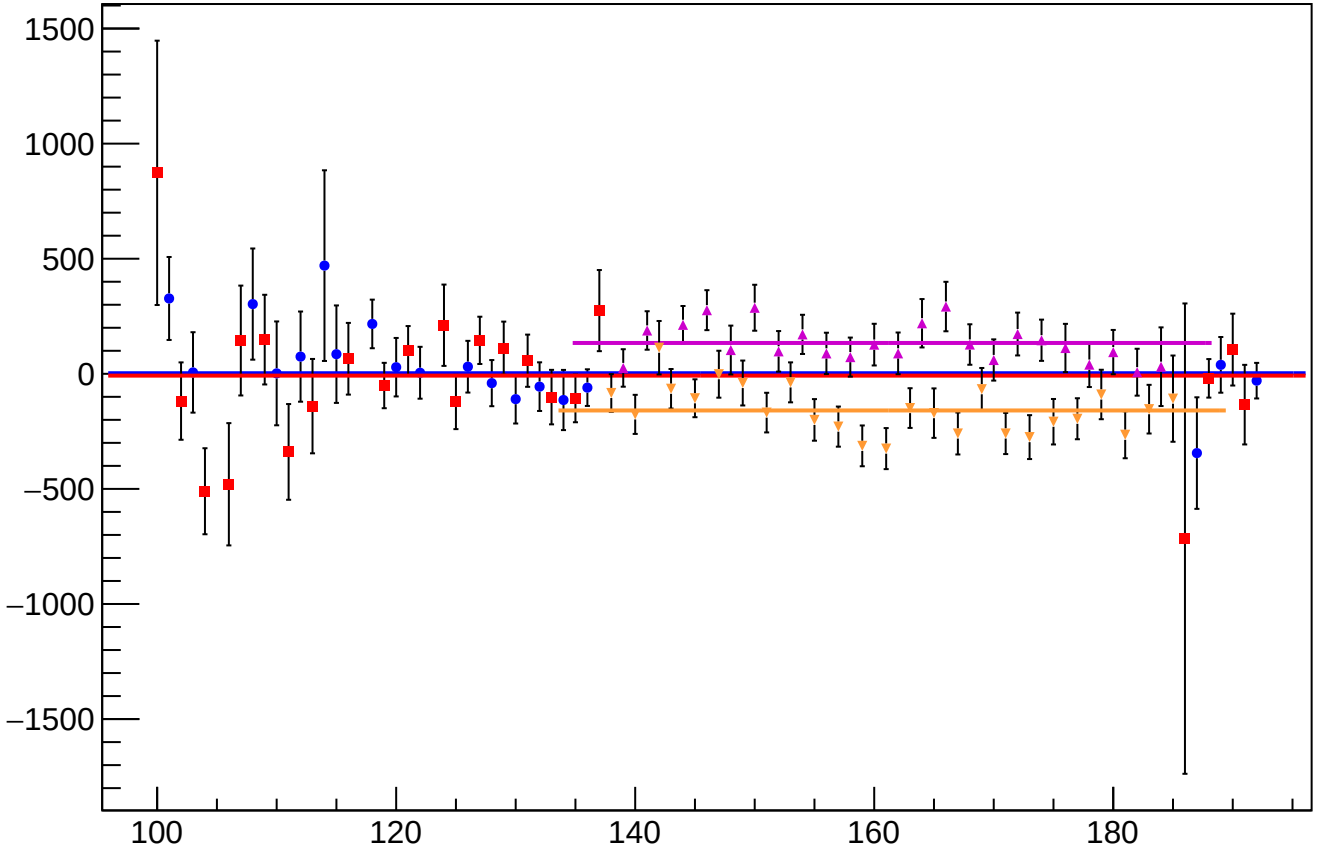
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 346.587+/-0.048 χ^2/NDF: 3772622.1/43

All: 347.713+/-0.034 χ^2/NDF: 8799407.4/89

- sign 348.910+/-0.049 χ^2/NDF: 5025643.9/45

dit_asym_sam1_mean vs Slug



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

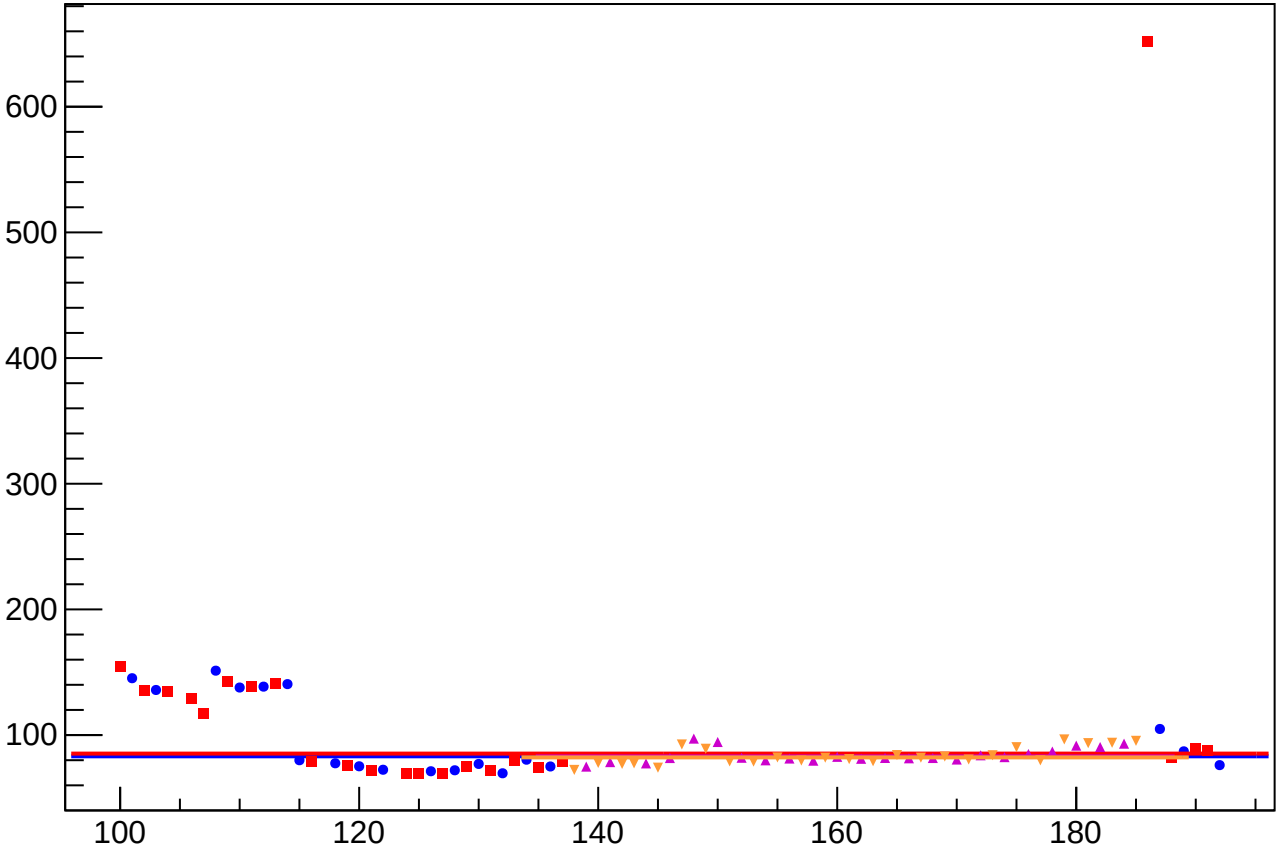
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -110.935+/-15.702 χ^2/NDF: 66.3/43

All: -13.287+/-11.272 χ^2/NDF: 209.2/89

- sign 90.557+/-16.192 χ^2/NDF: 63.1/45

dit_asym_sam1_rms vs Slug



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

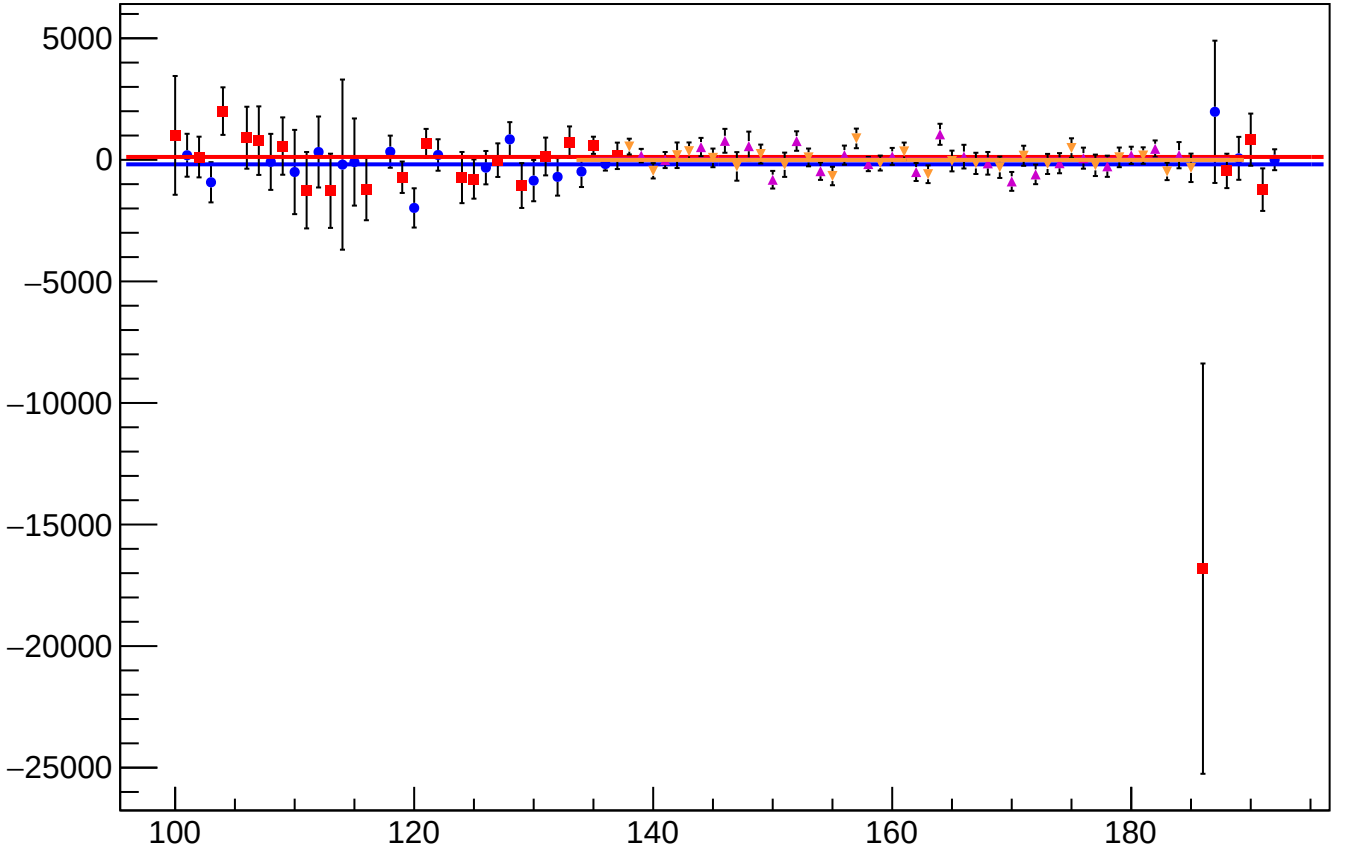
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 82.502+/-0.011 χ^2/NDF: 1287910.8/43

All: 83.075+/-0.008 χ^2/NDF: 3189132.1/89

- sign 83.684+/-0.011 χ^2/NDF: 1895728.3/45

asym_sam1_dit_correction_mean vs Slug



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

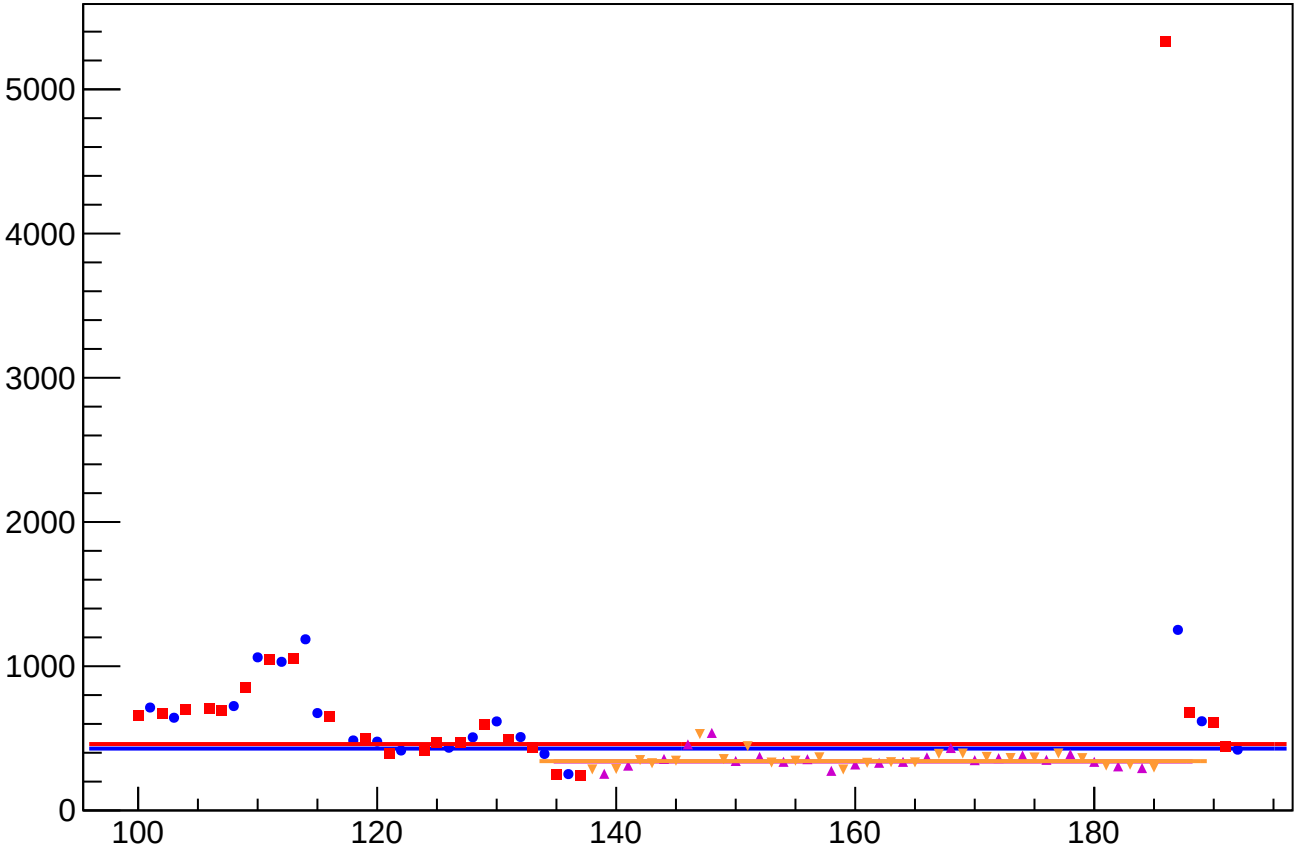
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -40.135+/-70.135 χ^2/NDF: 35.9/43

All: -3.219+/-50.354 χ^2/NDF: 95.3/89

- sign 36.051+/-72.338 χ^2/NDF: 58.8/45

asym_sam1_dit_correction_rms vs Slug



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

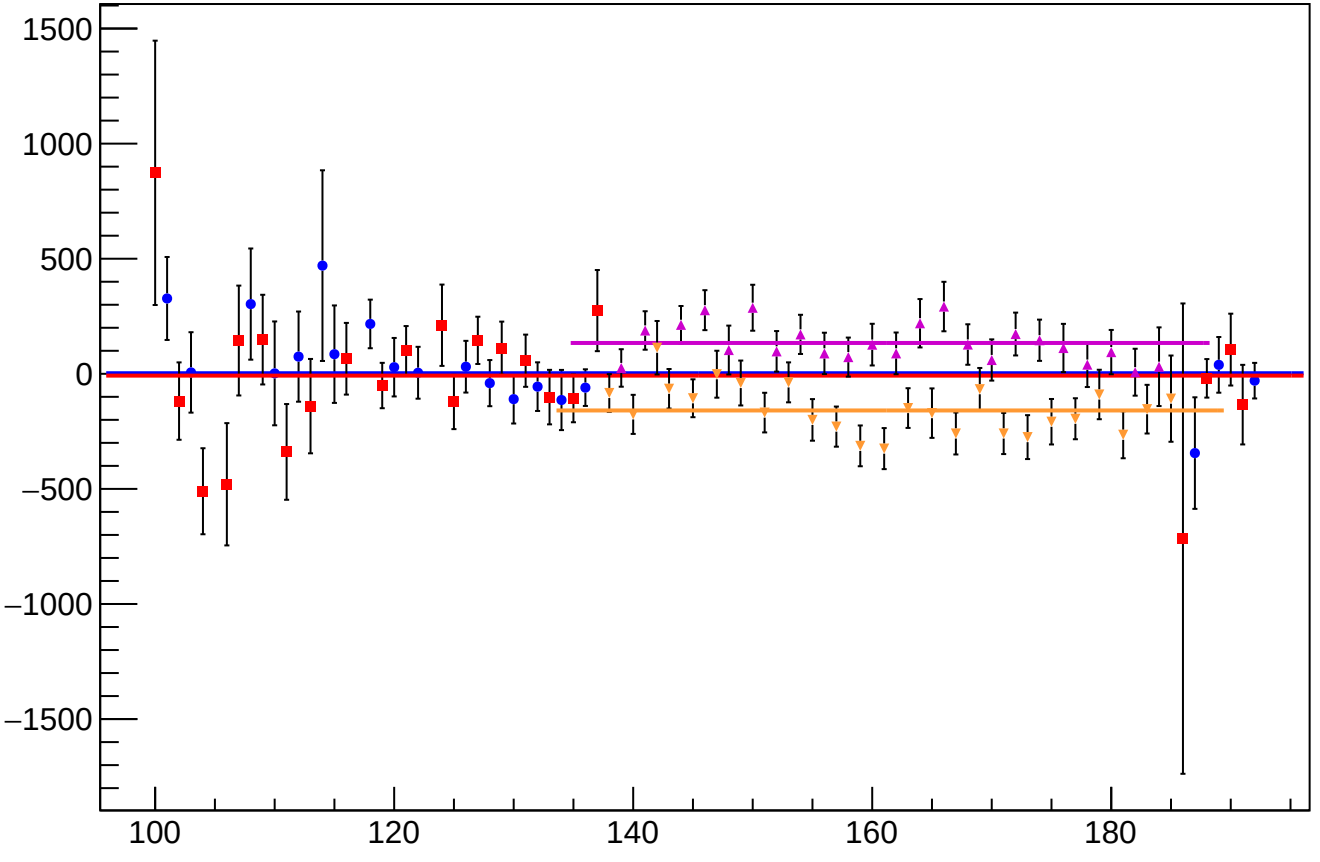
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 359.626+/-0.050 χ^2/NDF: 3663912.5/43

All: 361.022+/-0.036 χ^2/NDF: 8600506.8/89

- sign 362.507+/-0.051 χ^2/NDF: 4934959.2/45

eigen_dit_asym_sam1_mean vs Slug



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

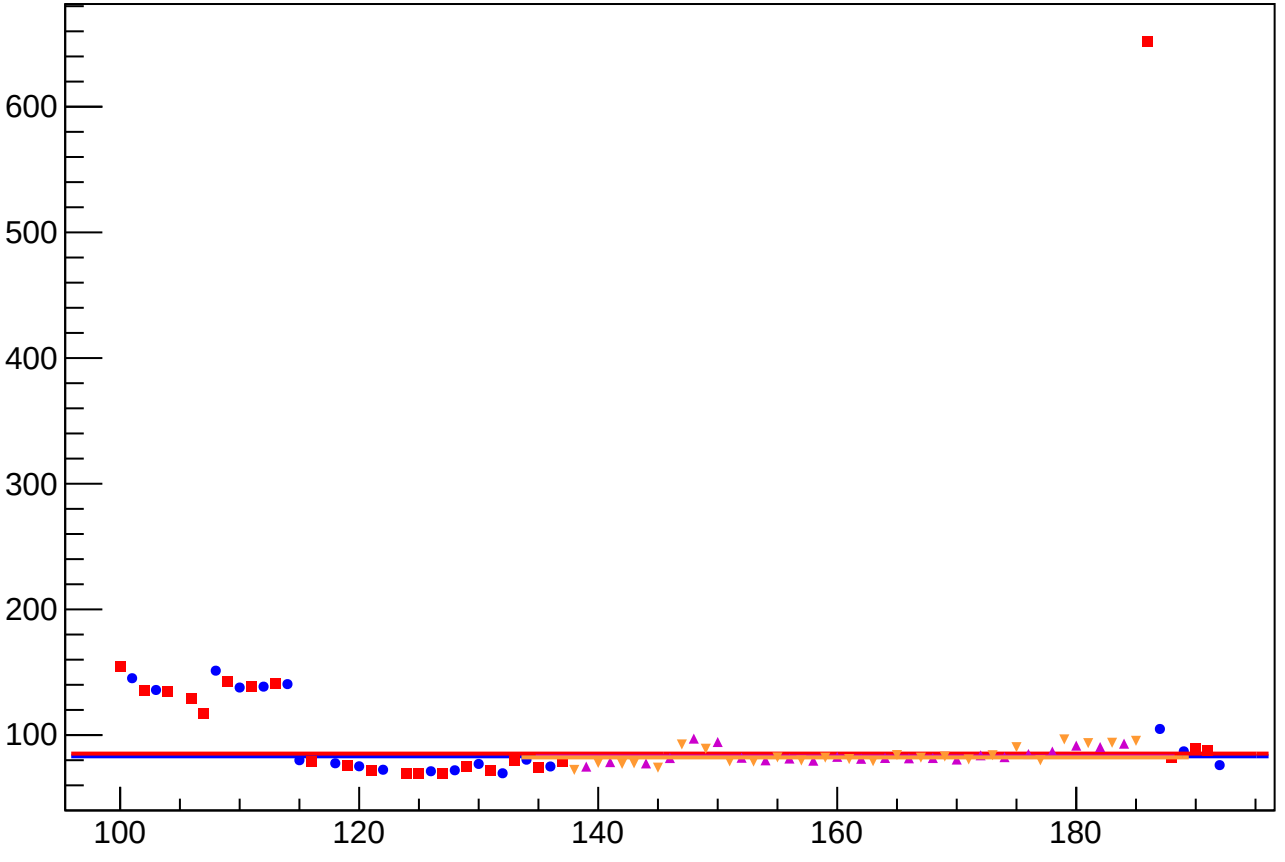
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -110.935+/-15.702 χ^2/NDF: 66.3/43

All: -13.287+/-11.272 χ^2/NDF: 209.2/89

- sign 90.557+/-16.192 χ^2/NDF: 63.1/45

eigen_dit_asym_sam1_rms vs Slug



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

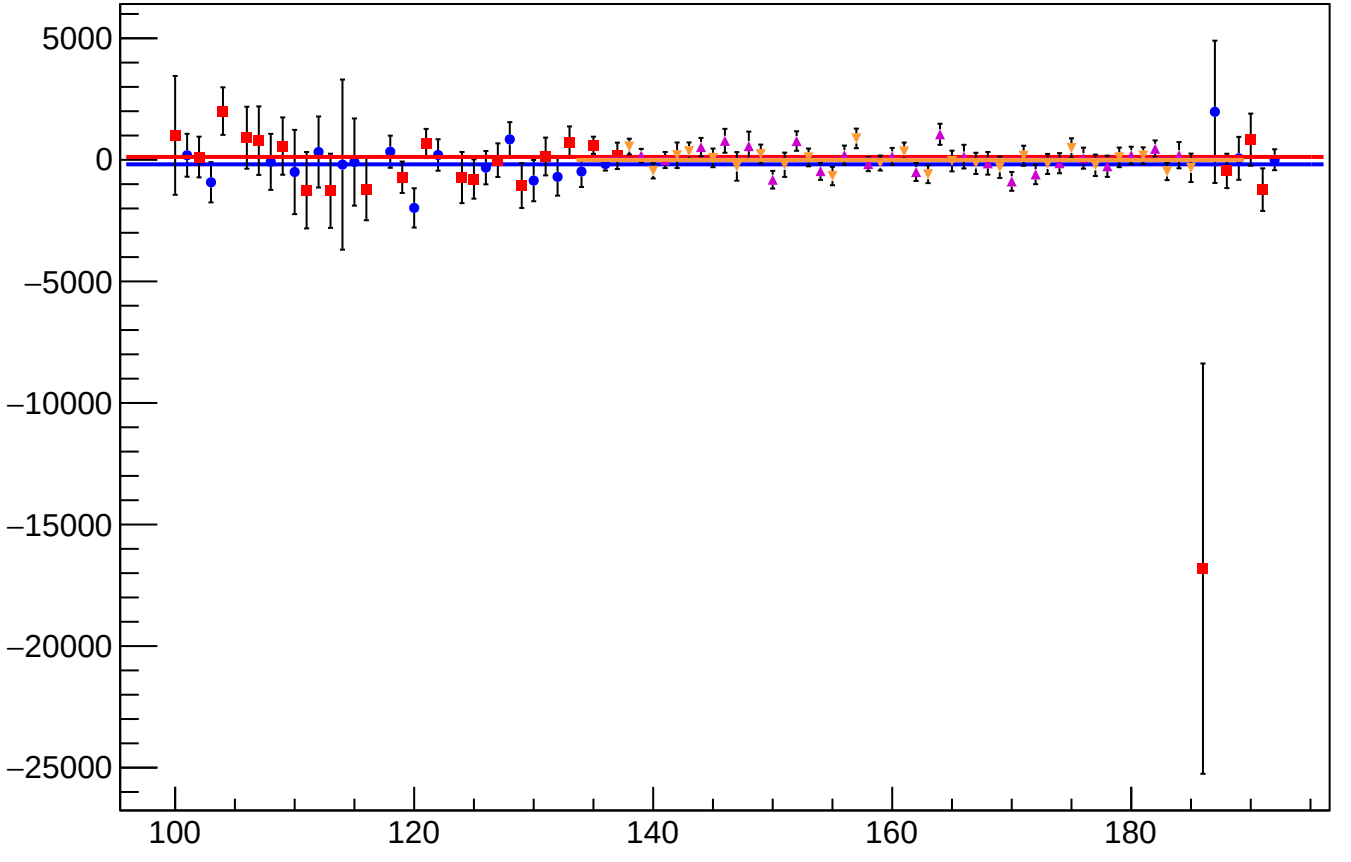
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 82.502+/-0.011 χ^2/NDF: 1287911.3/43

All: 83.075+/-0.008 χ^2/NDF: 3189129.5/89

- sign 83.684+/-0.011 χ^2/NDF: 1895725.3/45

asym_sam1_eigen_dit_correction_mean vs Slug



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

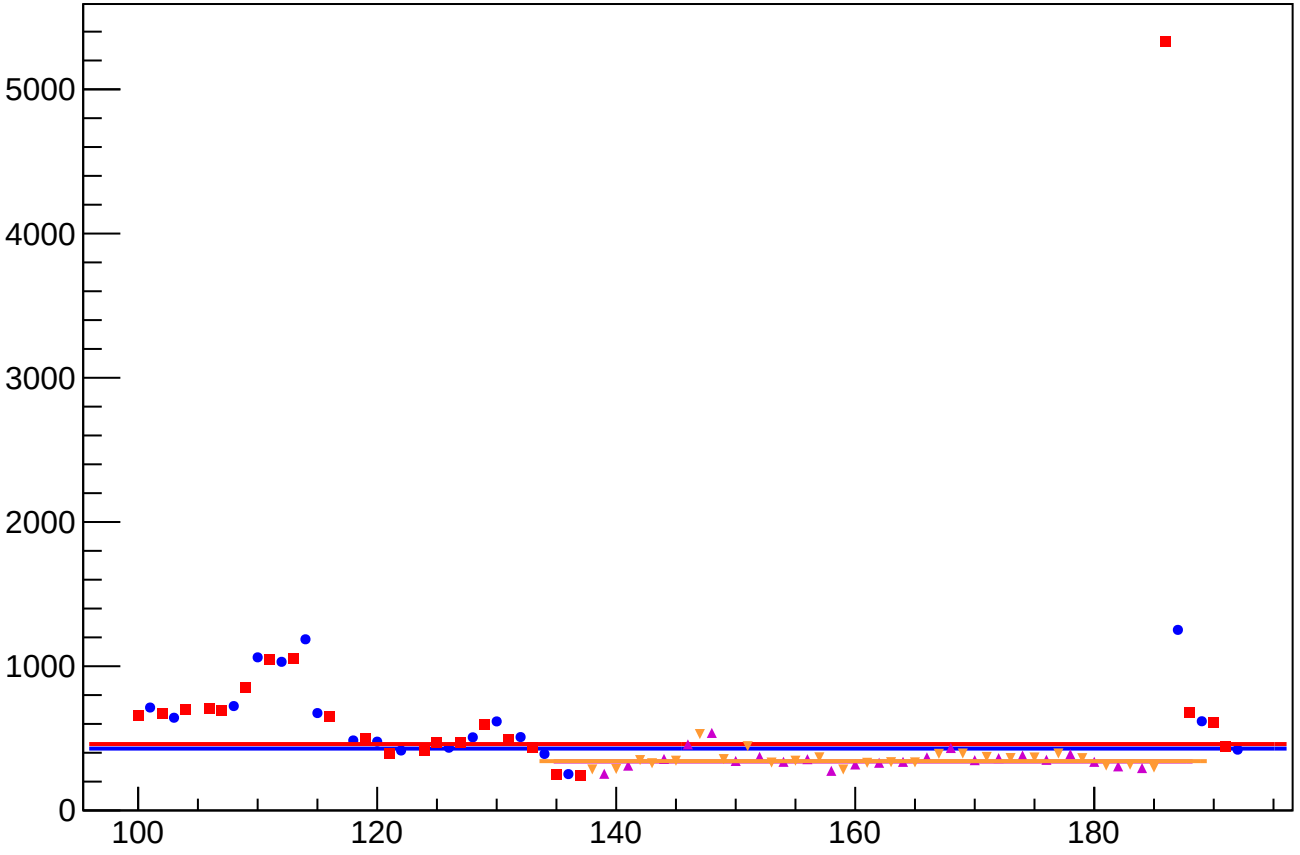
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -40.134+/-70.135 χ^2/NDF: 35.9/43

All: -3.219+/-50.354 χ^2/NDF: 95.3/89

- sign 36.051+/-72.338 χ^2/NDF: 58.8/45

asym_sam1_eigen_dit_correction_rms vs Slug



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

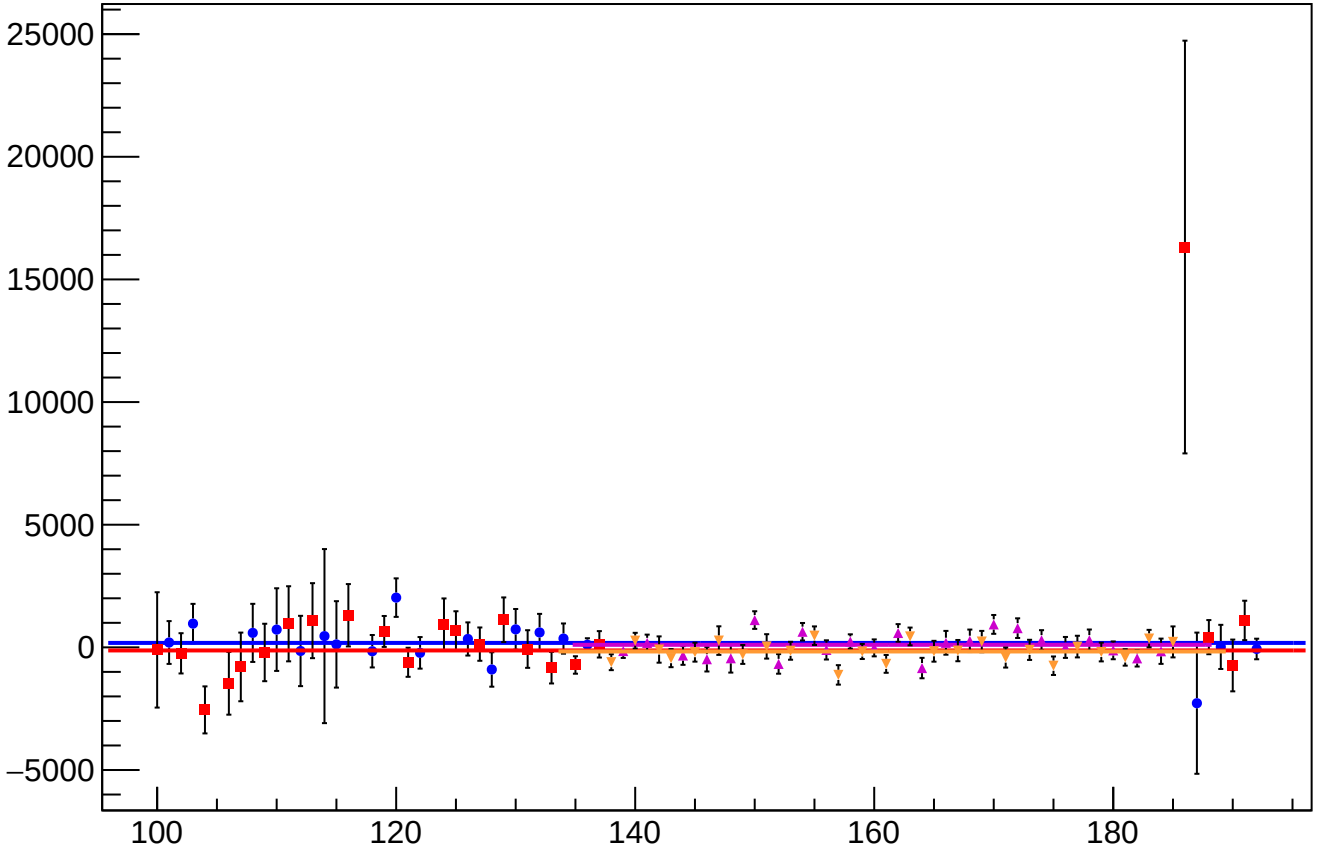
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 359.626+/-0.050 χ^2/NDF: 3663912.5/43

All: 361.022+/-0.036 χ^2/NDF: 8600508.0/89

- sign 362.507+/-0.051 χ^2/NDF: 4934960.4/45

asym_sam1_mean vs Slug



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

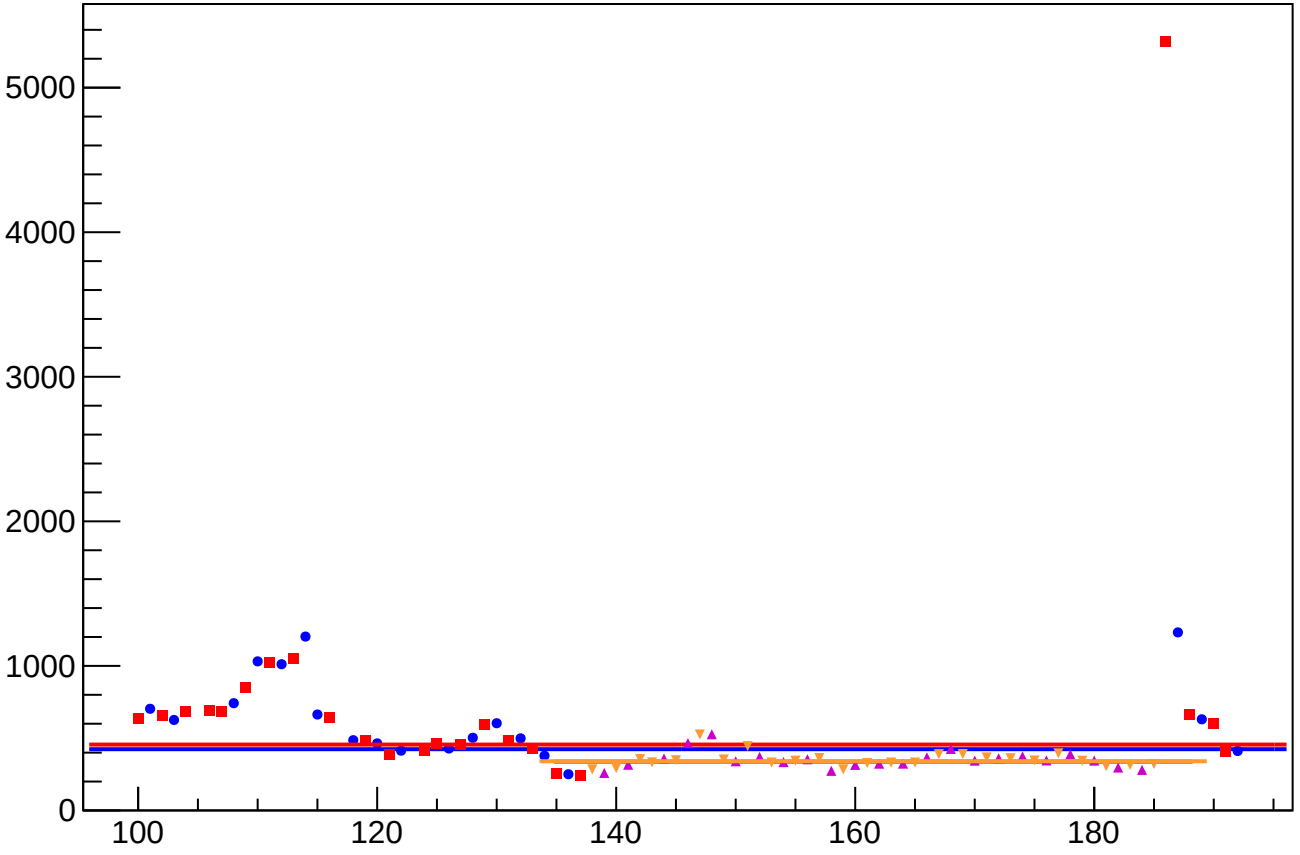
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

\+ sign -95.656+/-69.674 χ^2/NDF: 41.6/43

All: -20.354+/-50.028 χ^2/NDF: 110.7/89

\- sign 59.788+/-71.879 χ^2/NDF: 66.8/45

asym_sam1_rms vs Slug



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

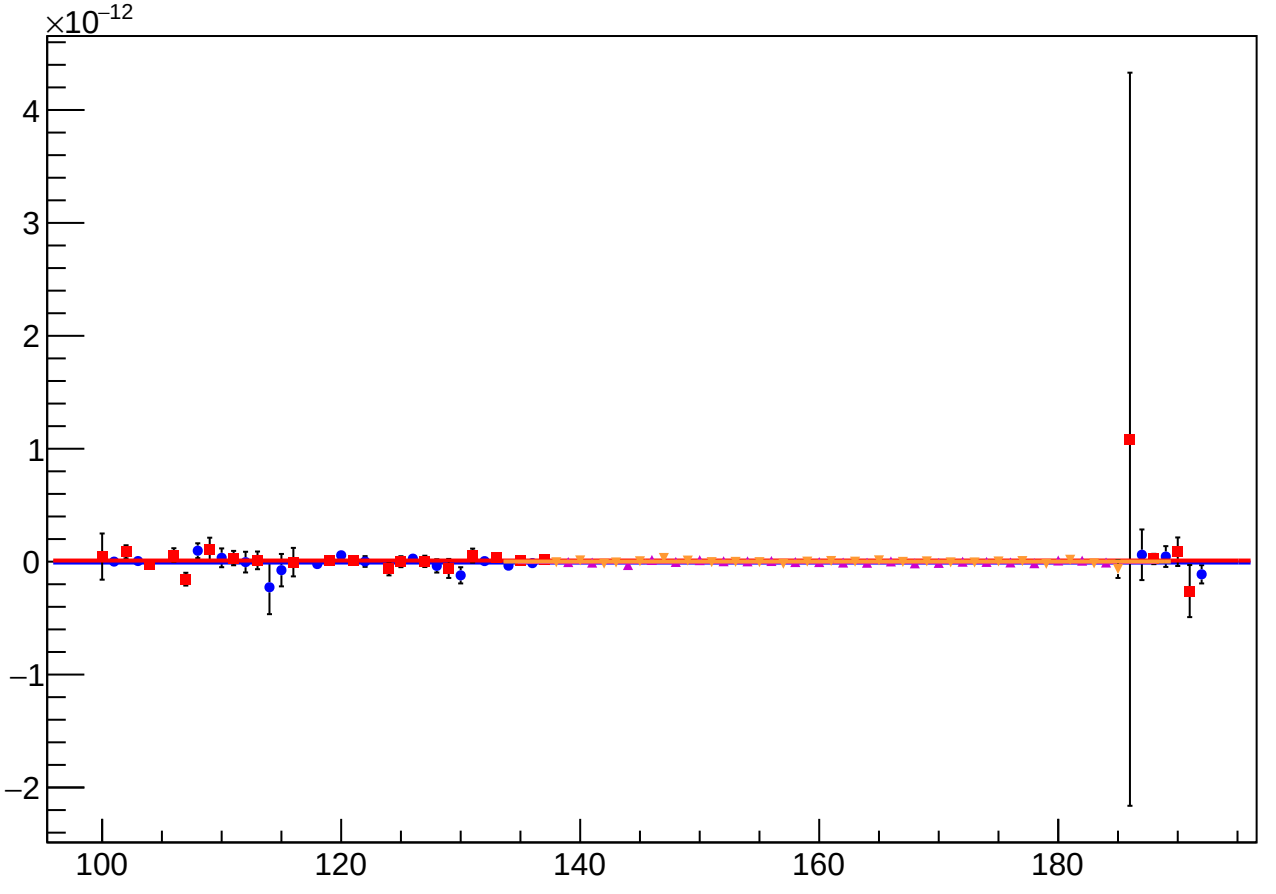
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 357.556+/-0.049 χ^2/NDF: 3566229.8/43

All: 358.983+/-0.035 χ^2/NDF: 8379820.1/89

- sign 360.502+/-0.051 χ^2/NDF: 4811857.6/45

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

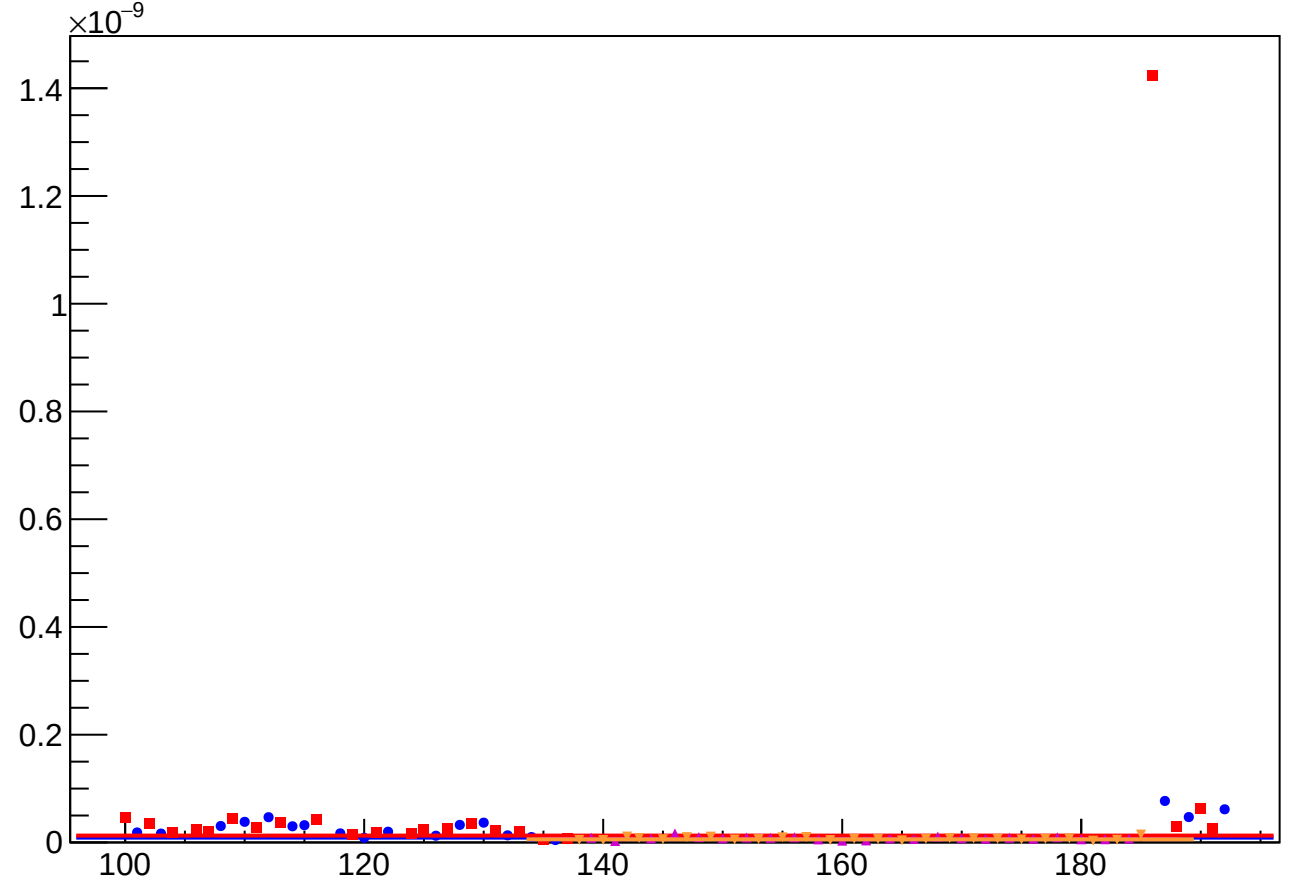
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/22

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.0/43

All: -0.000+/-0.000 χ^2/NDF: 68.3/89

- sign -0.000+/-0.000 χ^2/NDF: 32.8/45



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

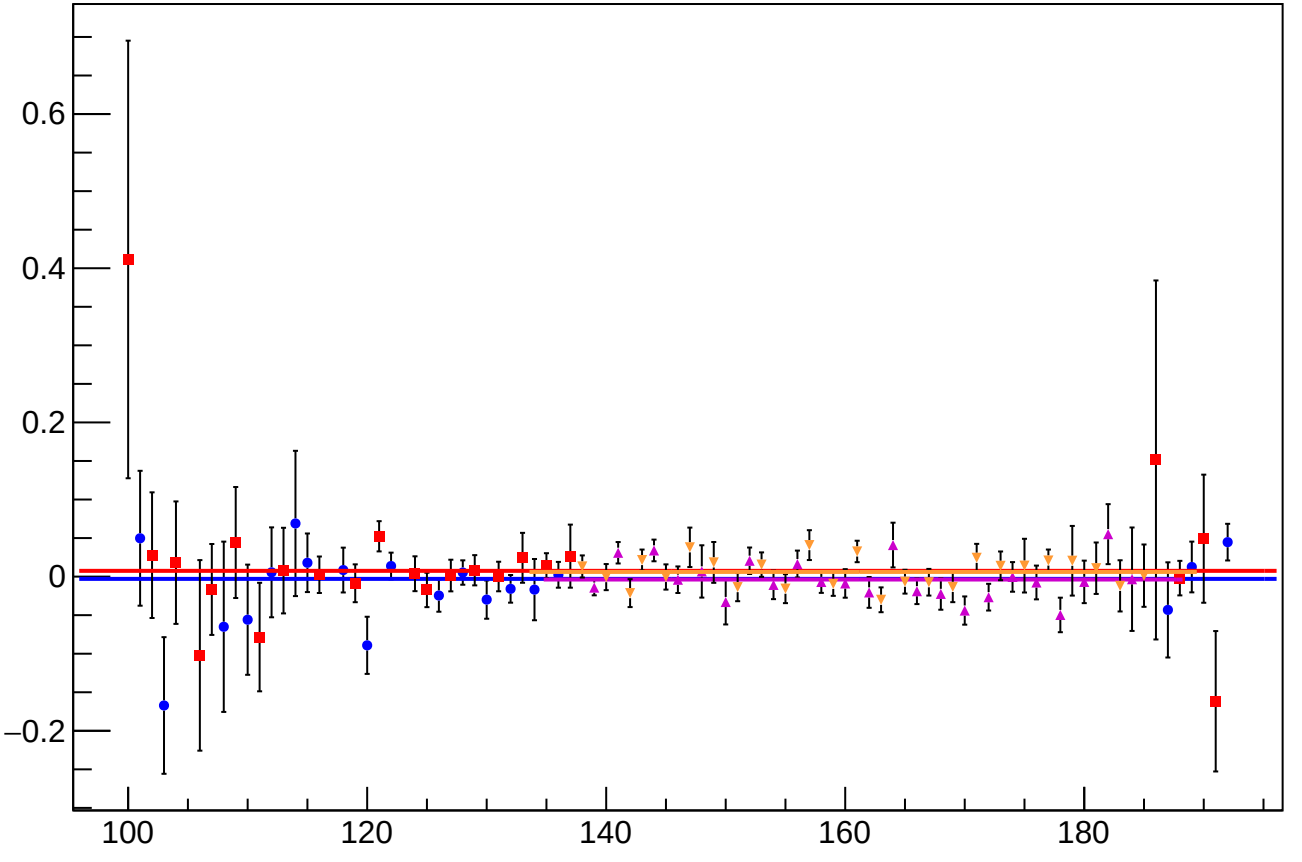
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 5766348.4/43

All: 0.000+/-0.000 χ^2/NDF: 12746023.0/89

- sign 0.000+/-0.000 χ^2/NDF: 6902244.3/45

asym_sam1_dit_vs_cor_diff_mean vs Slug



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

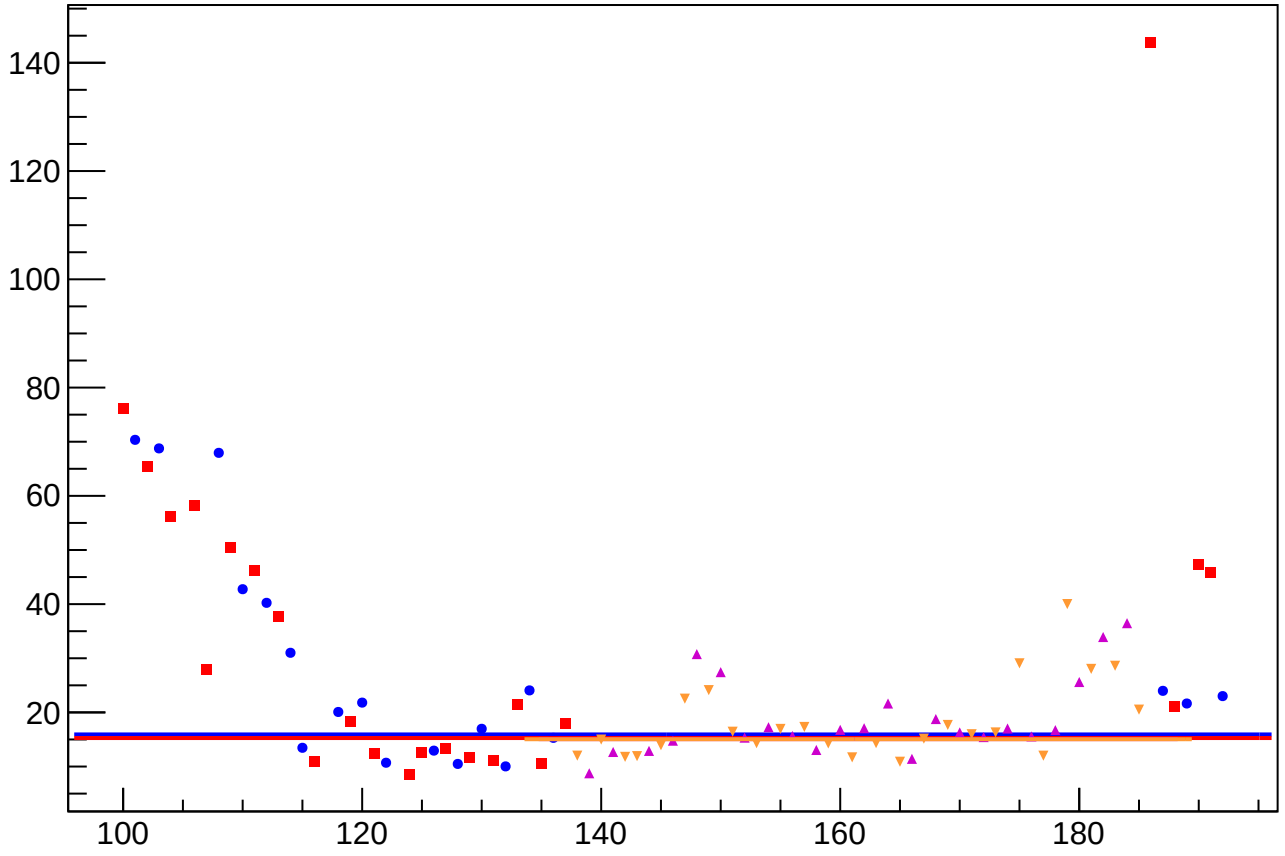
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/43

All: 0.002+/-0.002 χ^2/NDF: 105.6/89

- sign -0.001+/-0.003 χ^2/NDF: 56.5/45

asym_sam1_dit_vs_cor_diff_rms vs Slug



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

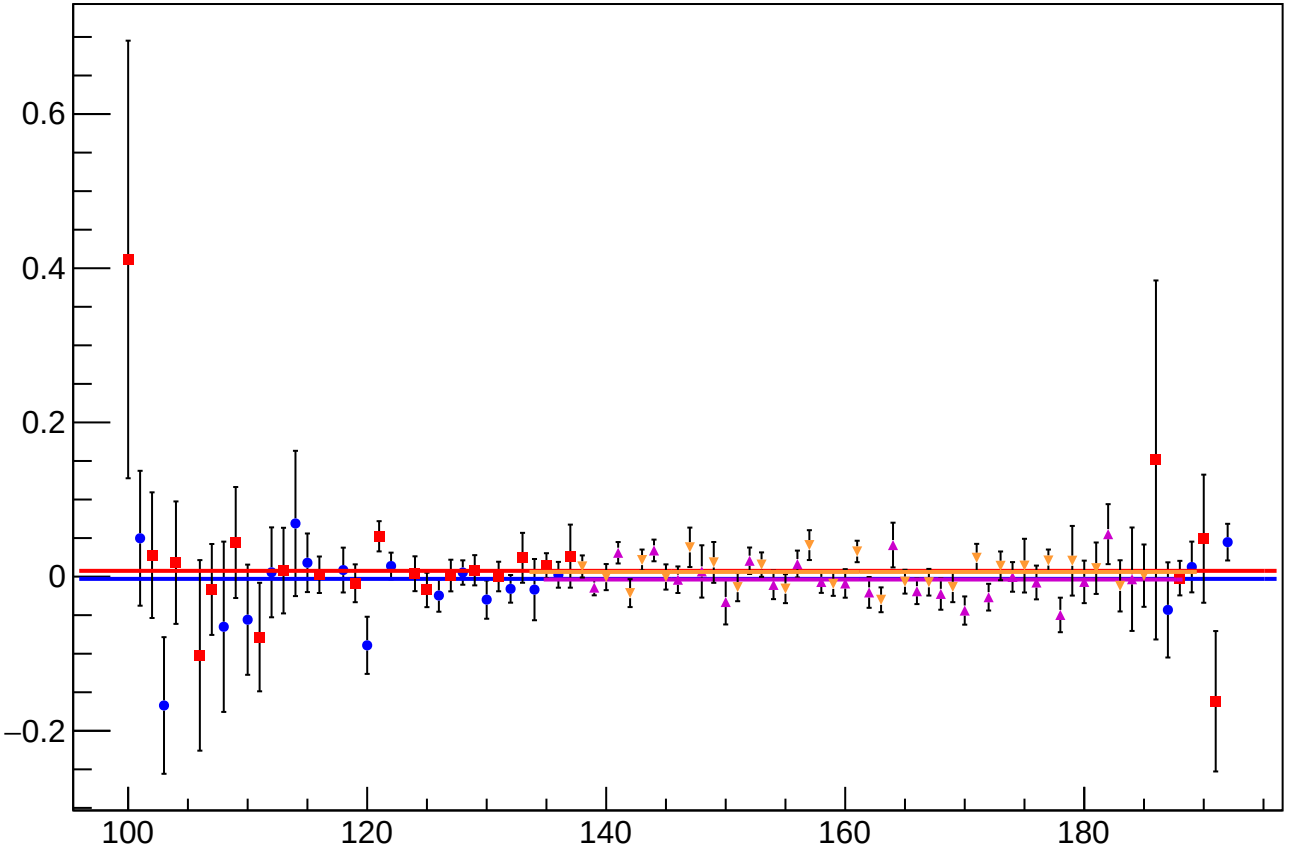
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

\+ sign 15.270+/-0.002 χ^2/NDF: 6533303.0/43

All: 15.198+/-0.002 χ^2/NDF: 14545402.9/89

\- sign 15.123+/-0.002 χ^2/NDF: 8010027.5/45

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



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

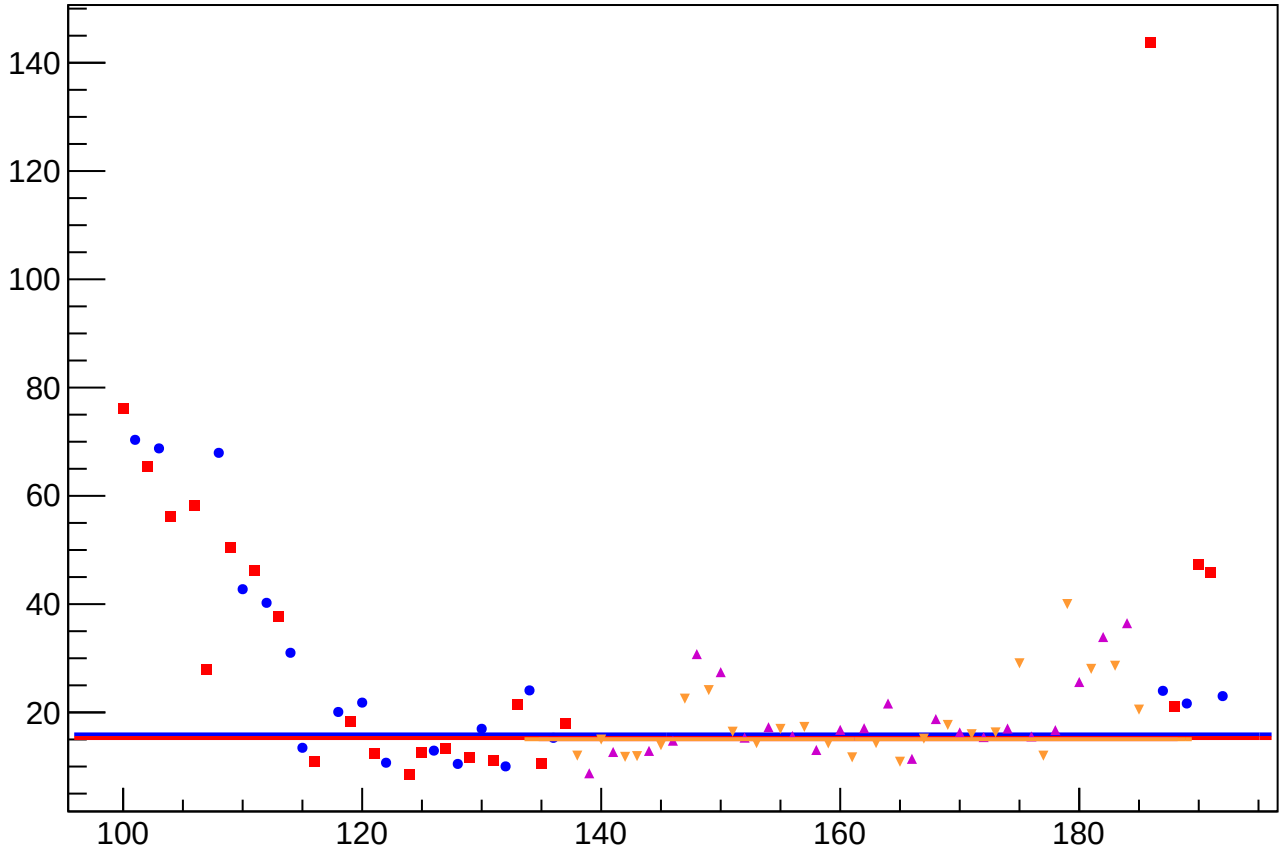
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/43

All: 0.002+/-0.002 χ^2/NDF: 105.6/89

- sign -0.001+/-0.003 χ^2/NDF: 56.5/45

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



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

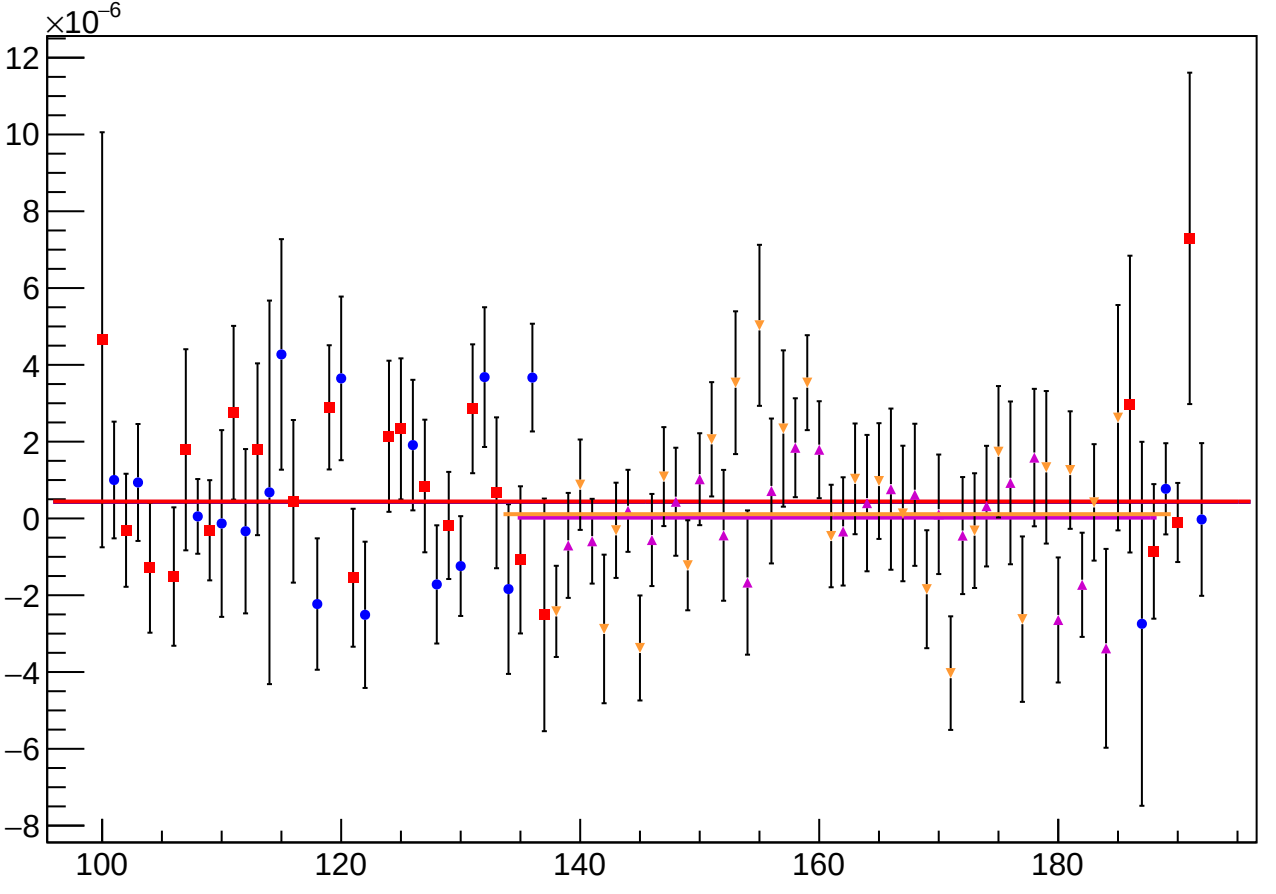
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

\+ sign 15.270+/-0.002 χ^2/NDF: 6533303.0/43

All: 15.198+/-0.002 χ^2/NDF: 14545402.9/89

\- sign 15.123+/-0.002 χ^2/NDF: 8010027.5/45

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

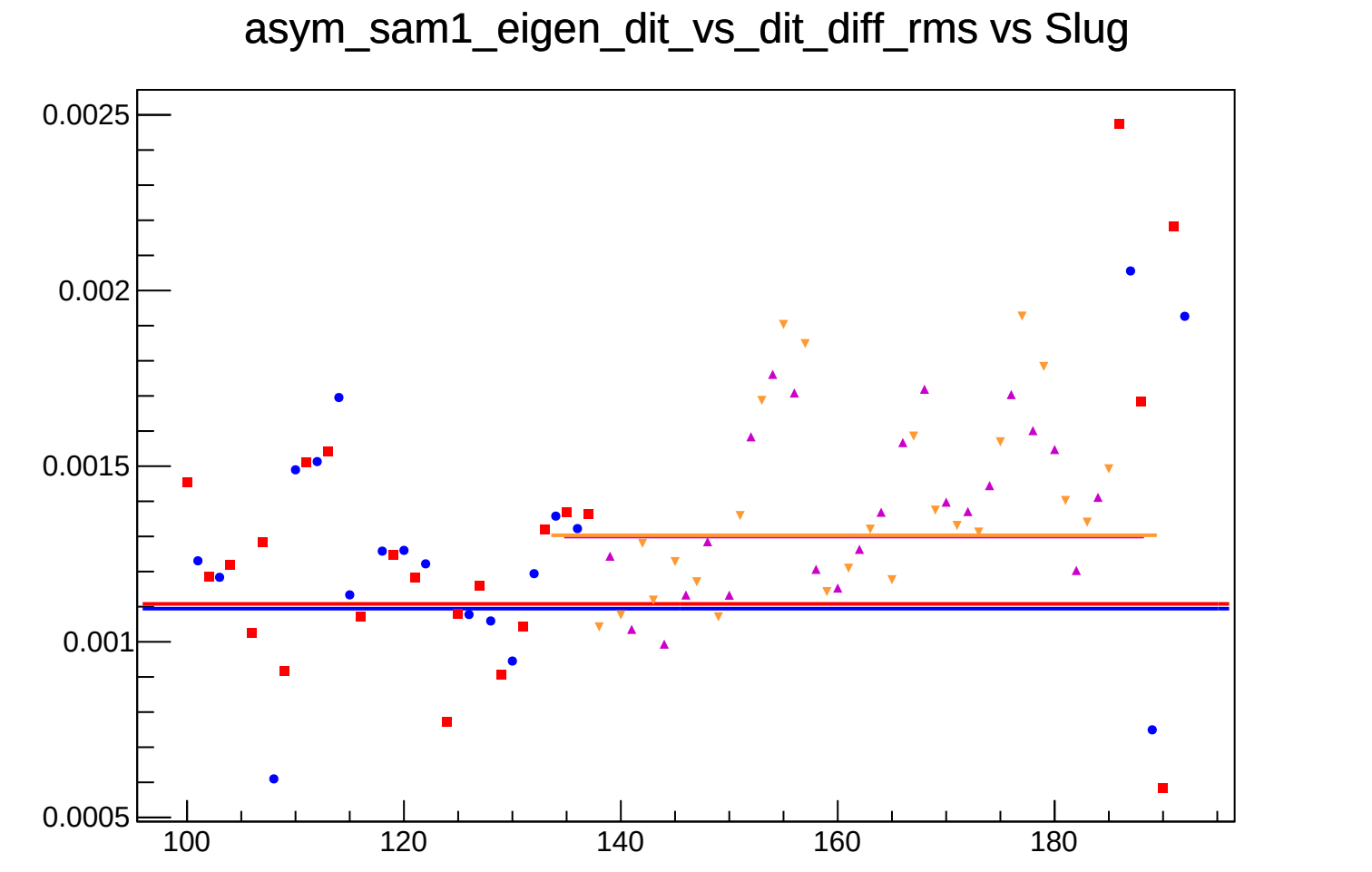
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/22

Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.2/43

All: 0.000+/-0.000 χ^2/NDF: 107.2/89

- sign 0.000+/-0.000 χ^2/NDF: 33.0/45



Right In: 0.001+/-0.000 χ^2/NDF: 1433272.0/18

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 1524789.6/22

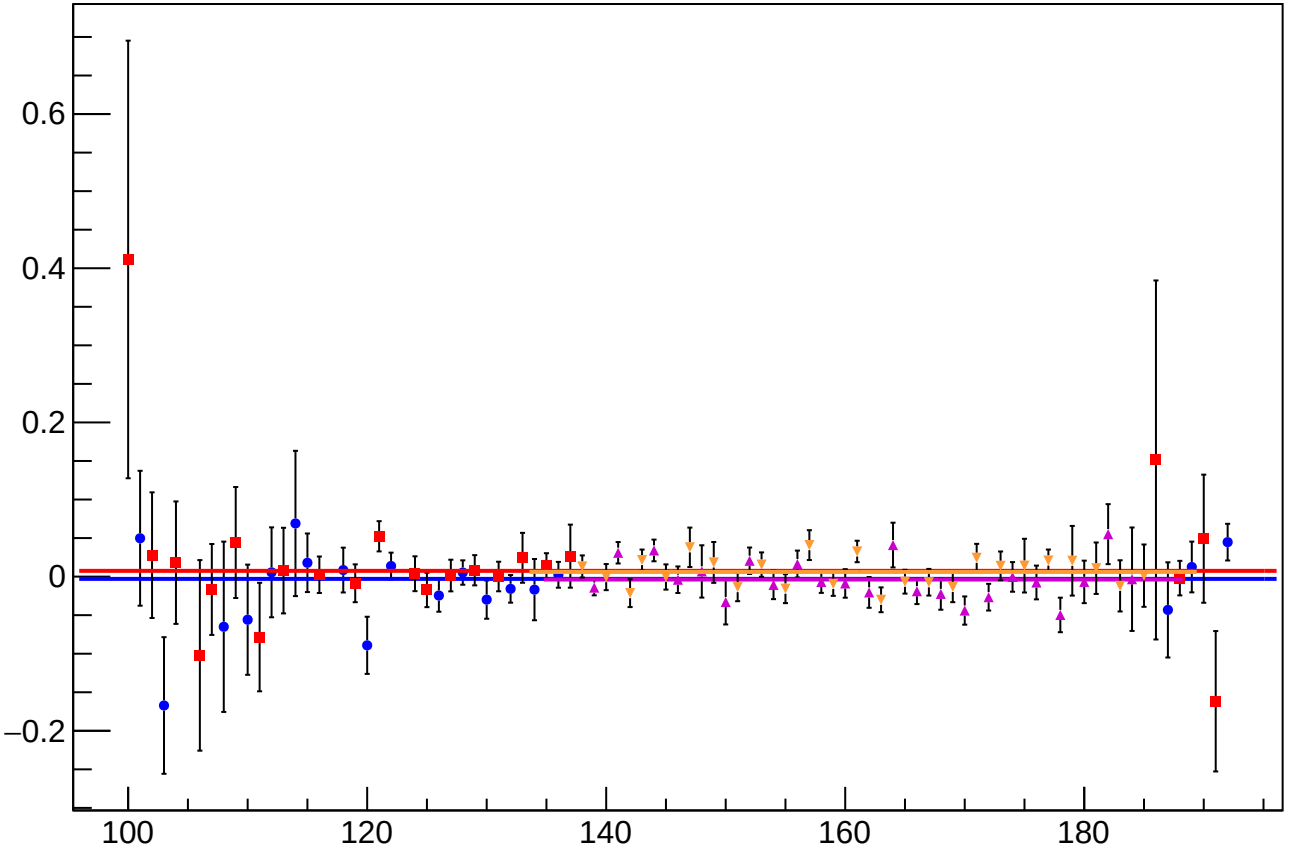
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 2977903.3/43

All: 0.001+/-0.000 χ^2/NDF: 5836282.8/89

- sign 0.001+/-0.000 χ^2/NDF: 2858340.8/45

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



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

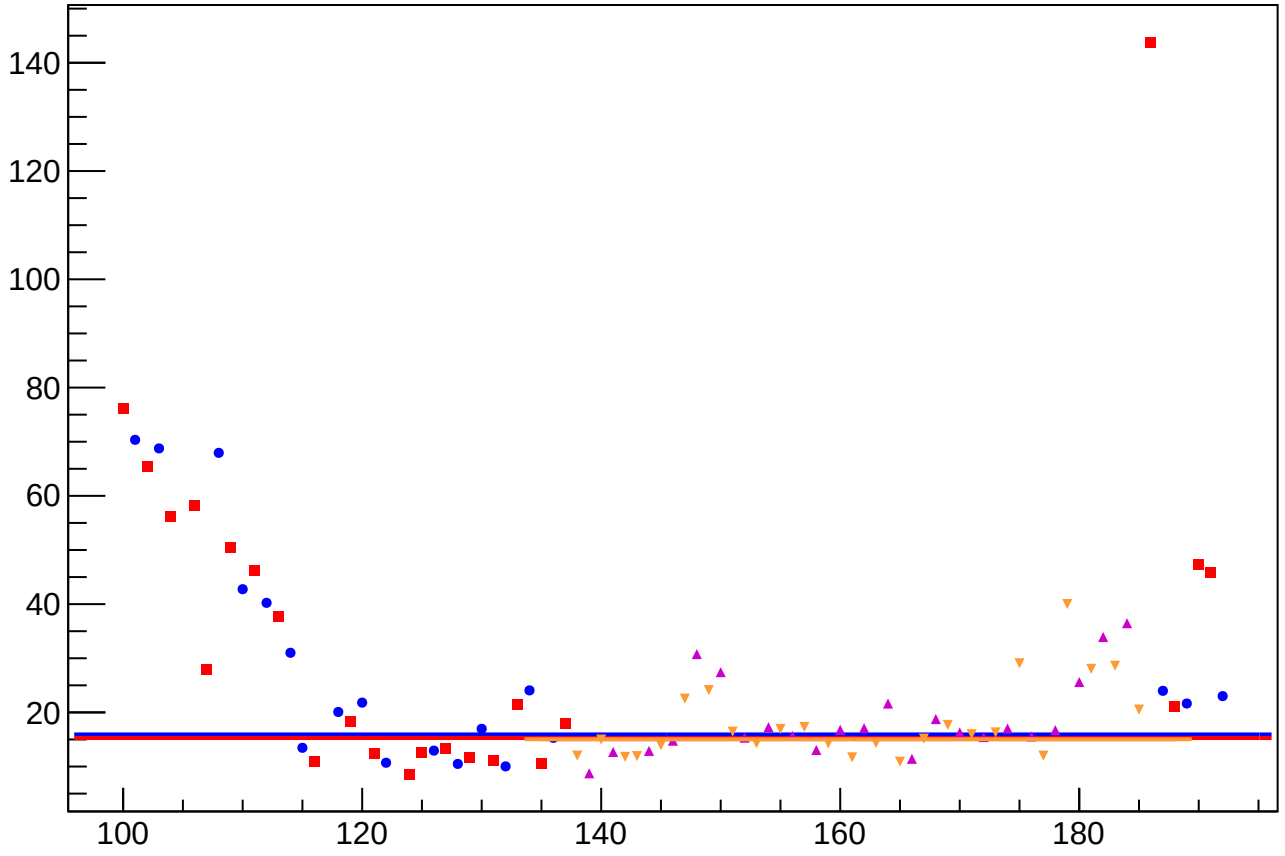
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/43

All: 0.002+/-0.002 χ^2/NDF: 105.6/89

- sign -0.001+/-0.003 χ^2/NDF: 56.5/45

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.928+/-0.004 χ^2/NDF: 3746153.5/18

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

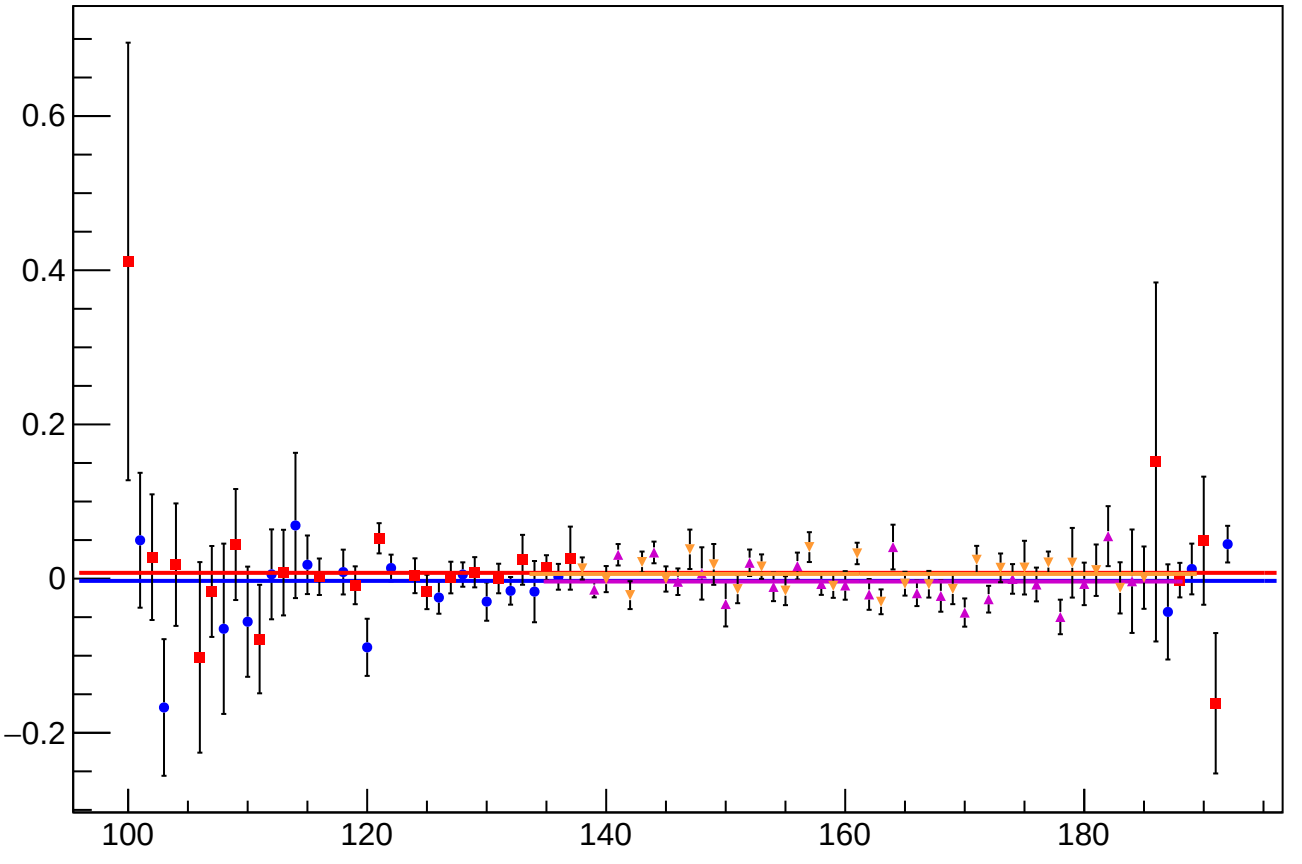
Right Out: 15.265+/-0.004 χ^2/NDF: 4941928.2/22

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

\+ sign 15.269+/-0.002 χ^2/NDF: 6533527.2/43

All: 15.198+/-0.002 χ^2/NDF: 14545656.9/89

\- sign 15.123+/-0.002 χ^2/NDF: 8010059.4/45



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

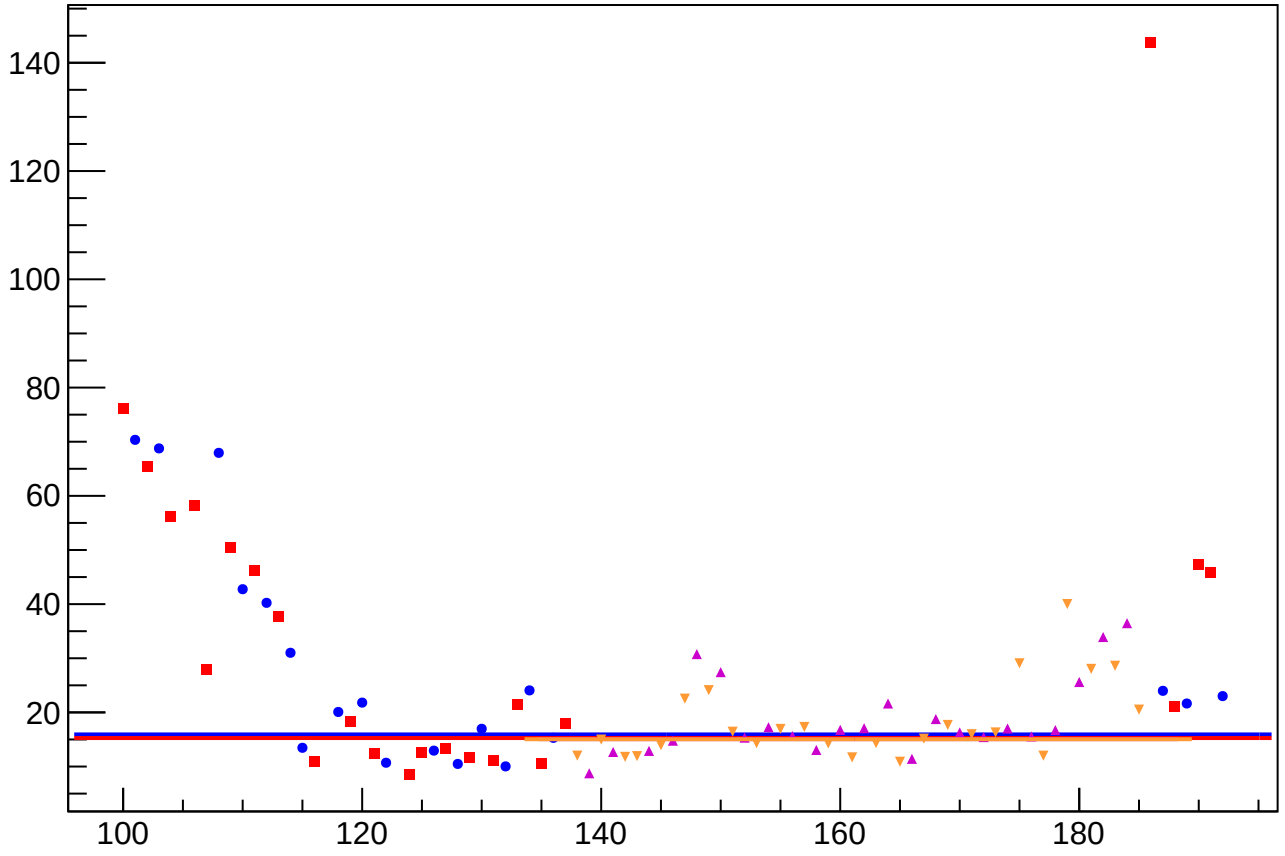
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/43

All: 0.002+/-0.002 χ^2/NDF: 105.6/89

- sign -0.001+/-0.003 χ^2/NDF: 56.5/45

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.928+/-0.004 χ^2/NDF: 3746153.5/18

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

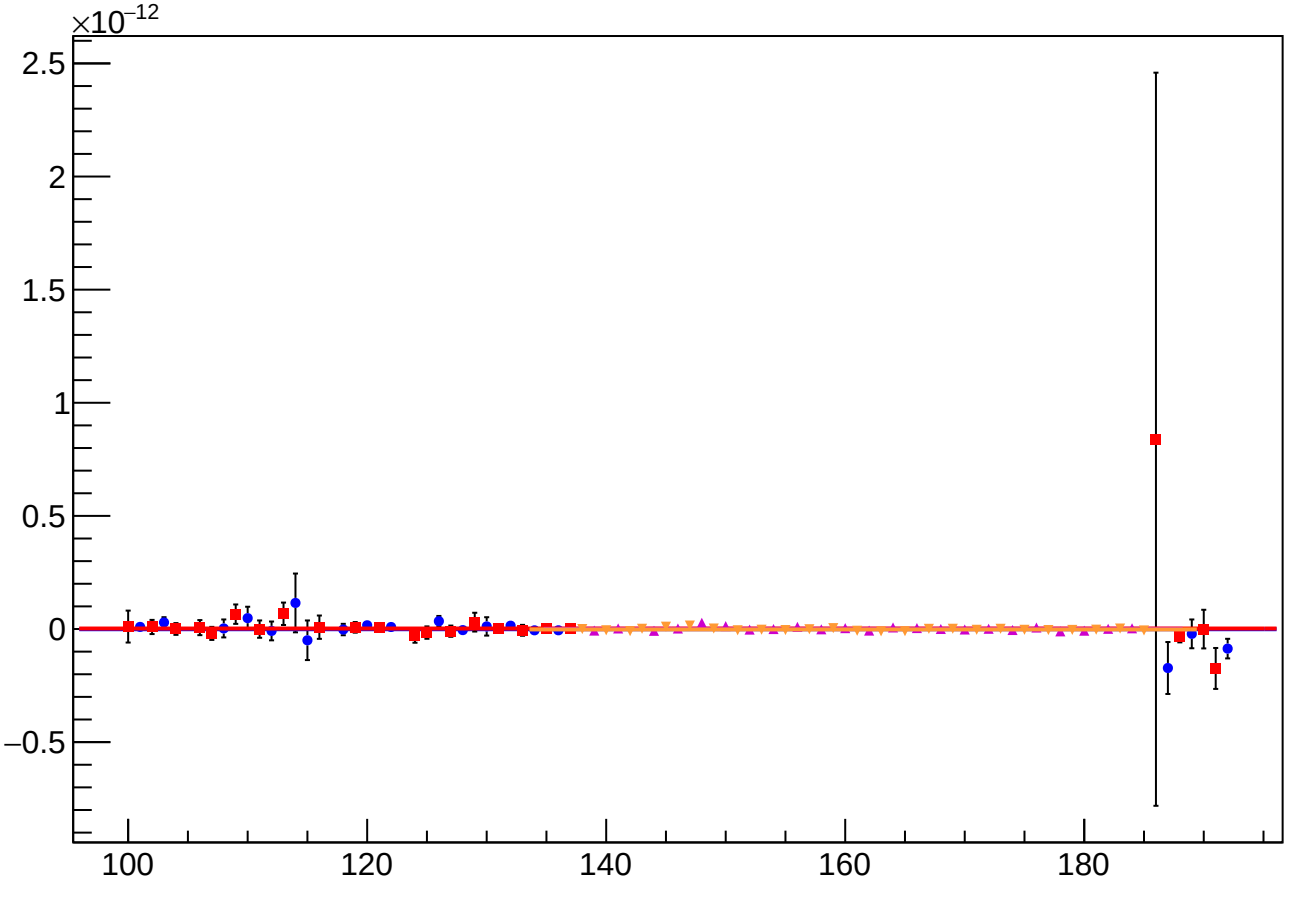
Right Out: 15.265+/-0.004 χ^2/NDF: 4941928.2/22

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

\+ sign 15.269+/-0.002 χ^2/NDF: 6533527.2/43

All: 15.198+/-0.002 χ^2/NDF: 14545656.9/89

\- sign 15.123+/-0.002 χ^2/NDF: 8010059.4/45



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

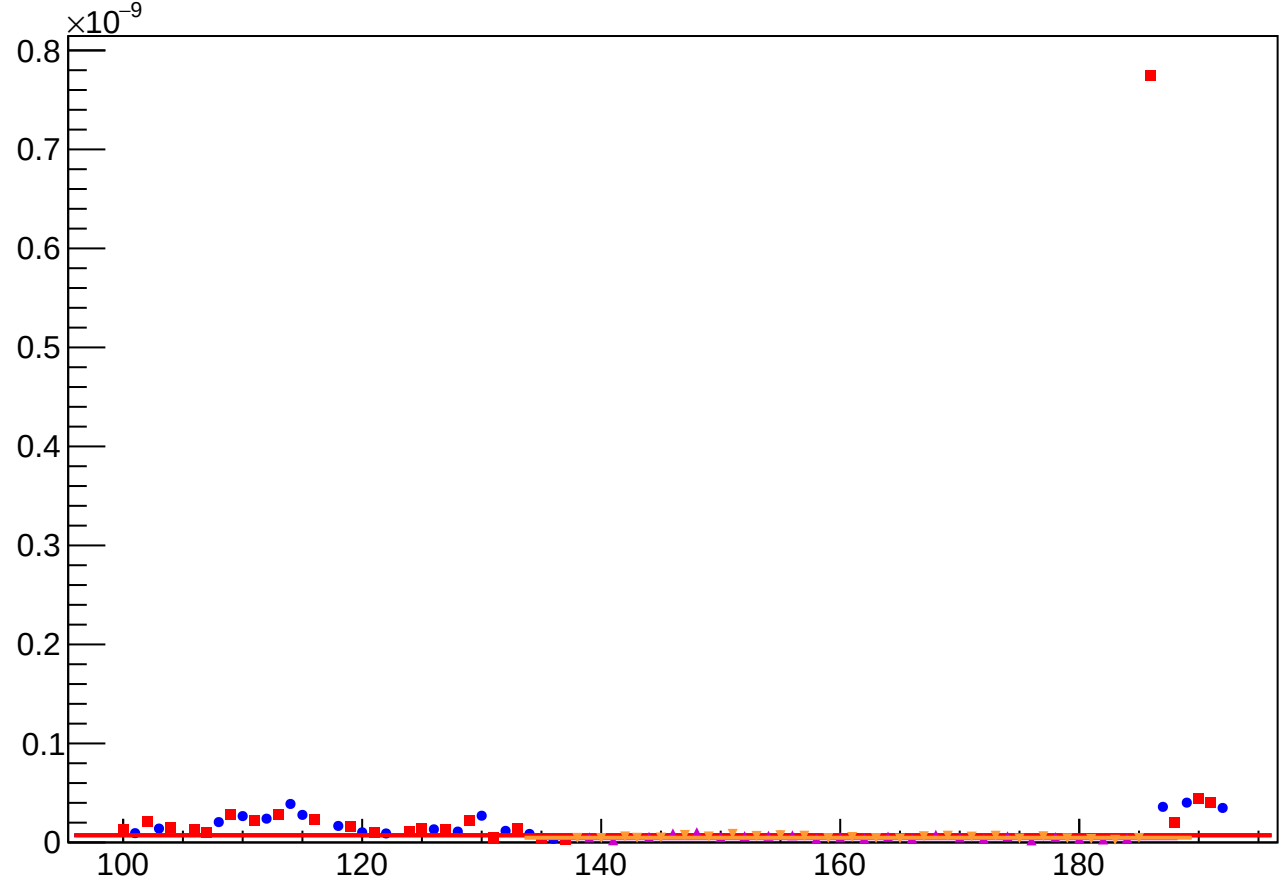
Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.8/43

All: -0.000+/-0.000 χ^2/NDF: 67.4/89

- sign 0.000+/-0.000 χ^2/NDF: 34.5/45

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



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

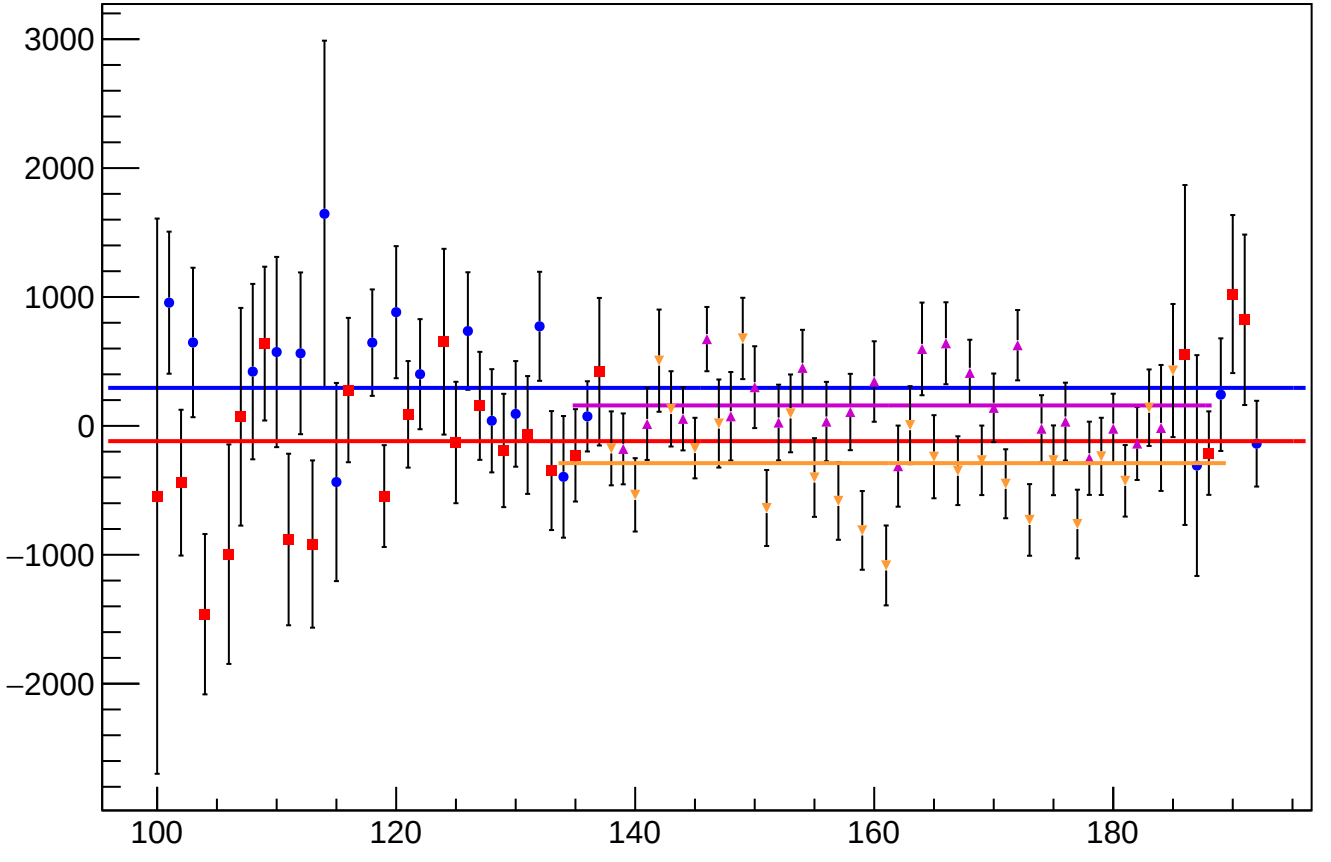
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7834922.1/43

All: 0.000+/-0.000 χ^2/NDF: 18459407.8/89

- sign 0.000+/-0.000 χ^2/NDF: 10498135.4/45

reg_asym_sam2_mean vs Slug



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

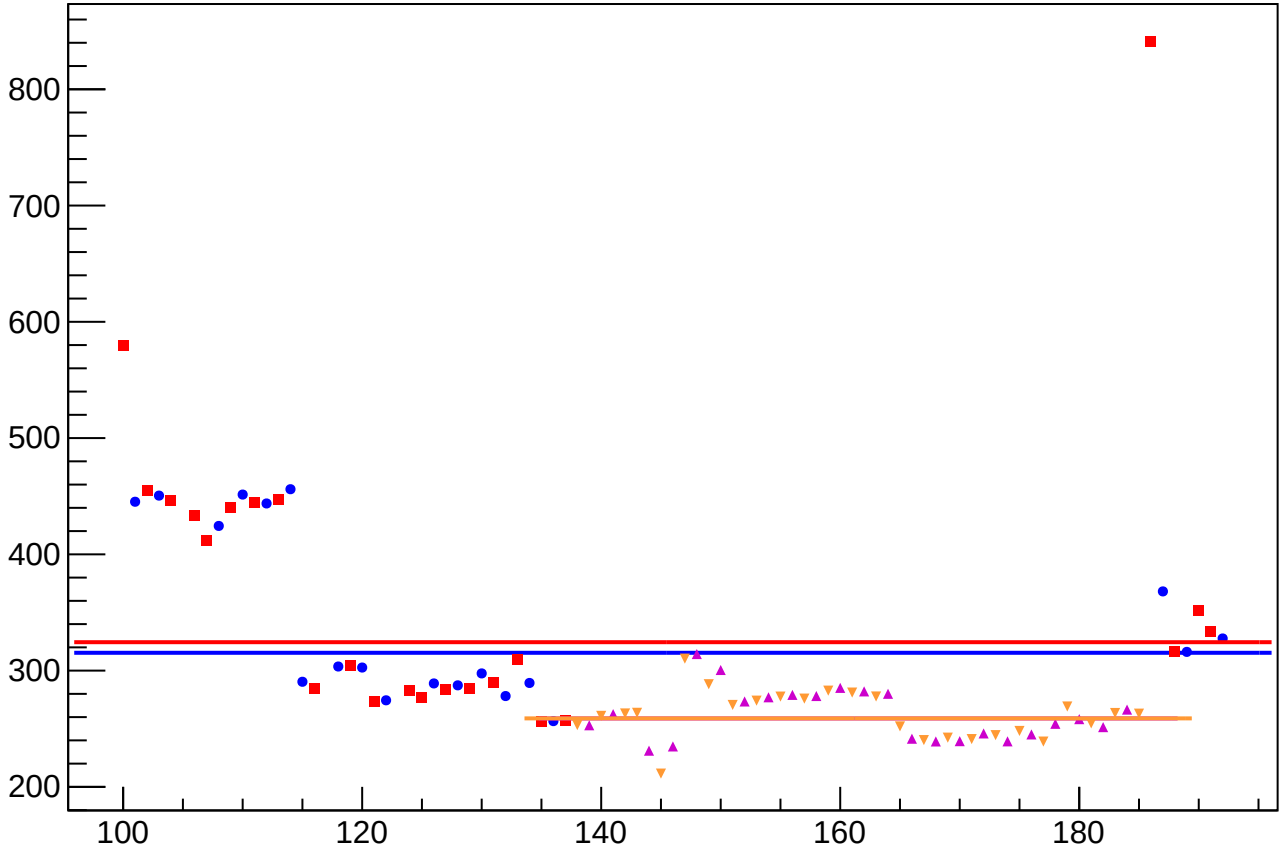
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -153.829+/-51.755 χ^2/NDF: 79.1/43

All: -33.437+/-37.038 χ^2/NDF: 138.8/89

- sign 92.950+/-53.028 χ^2/NDF: 48.6/45

reg_asym_sam2_rms vs Slug



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

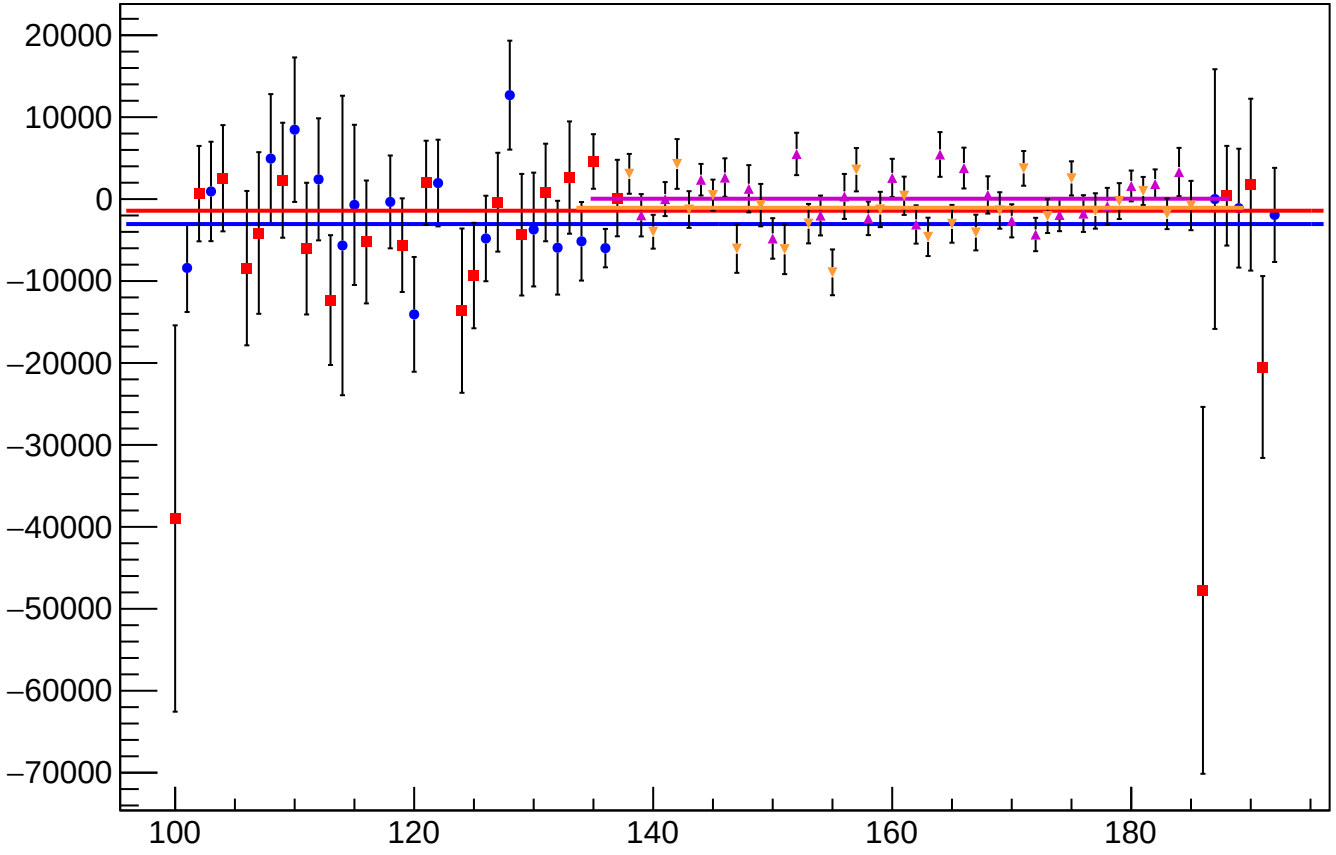
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 271.969+/-0.037 χ^2/NDF: 1285001.7/43

All: 273.150+/-0.026 χ^2/NDF: 3098796.3/89

- sign 274.390+/-0.037 χ^2/NDF: 1811658.1/45

asym_sam2_reg_correction_mean vs Slug



Right In: -3046.834+/-1292.157 χ^2/NDF: 16.3/18

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

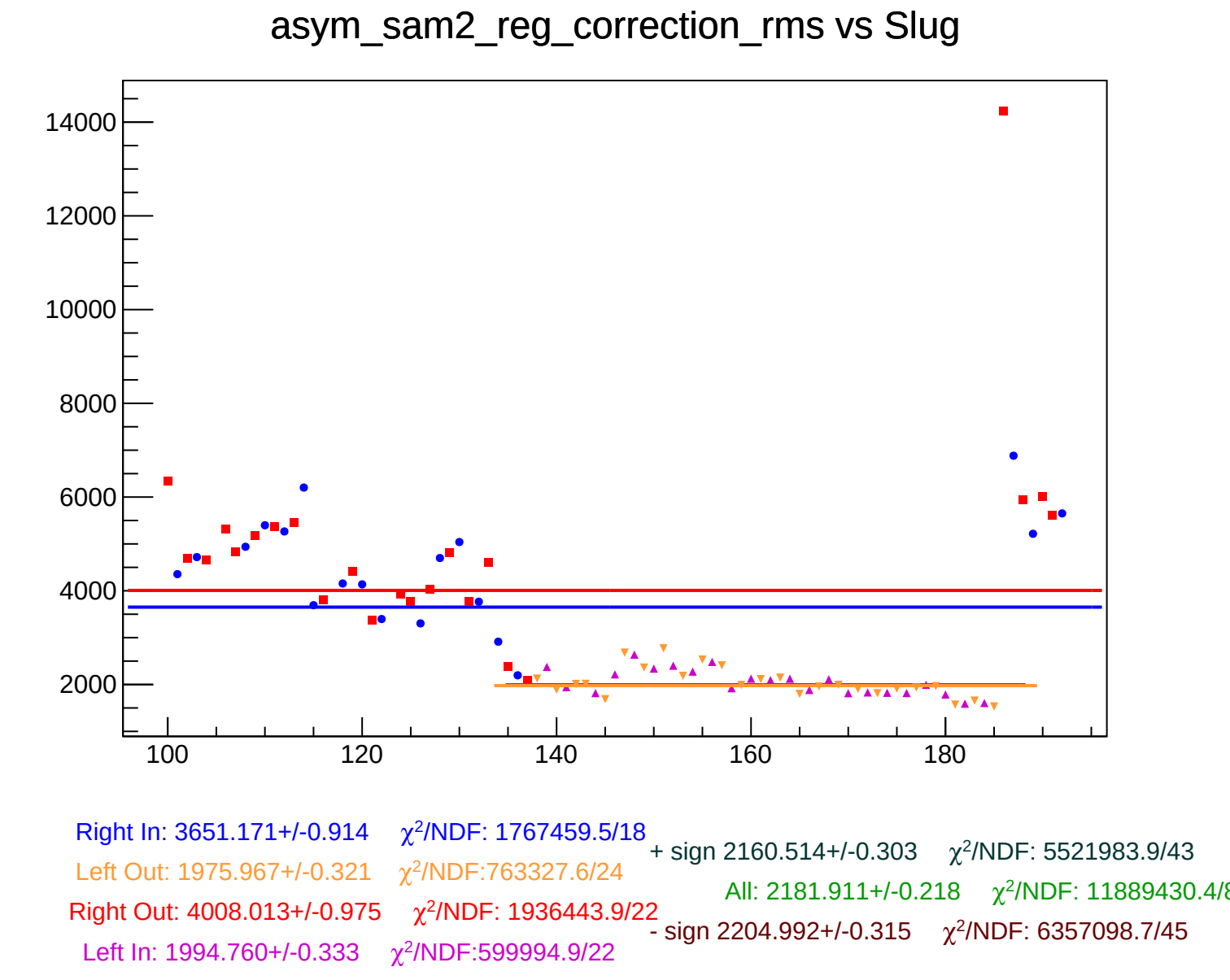
Right Out: -1418.033+/-1378.463 χ^2/NDF: 21.9/22

Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

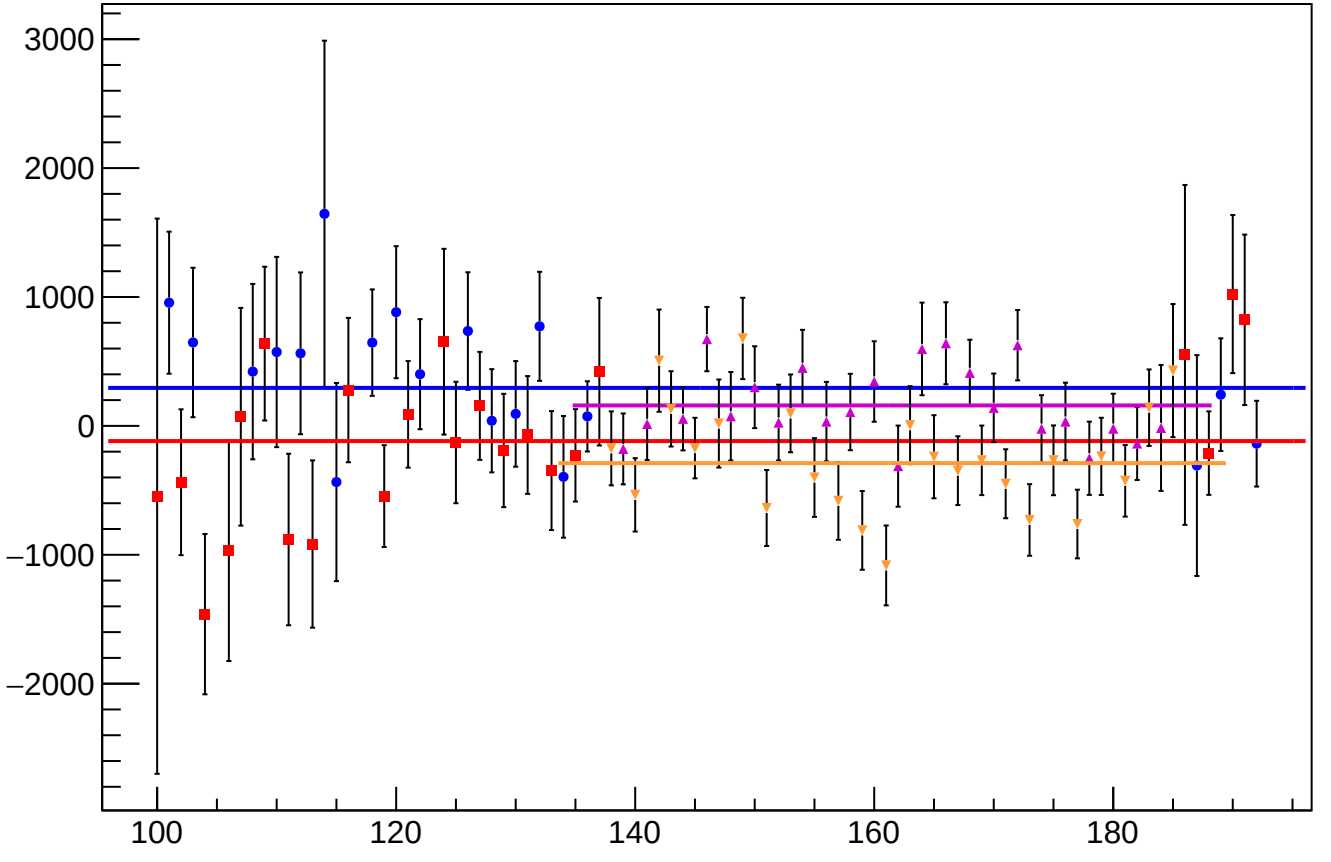
+ sign -1278.191+/-428.879 χ^2/NDF: 59.9/43

All: -715.433+/-308.954 χ^2/NDF: 120.5/89

- sign -108.357+/-445.447 χ^2/NDF: 57.0/45


asym_sam2_reg_correction_rms vs Slug
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 3651.171+/-0.914 χ²/NDF: 1767459.5/18
Left Out: 1975.967+/-0.321 χ²/NDF:763327.6/24
Right Out: 4008.013+/-0.975 χ²/NDF: 1936443.9/22
Left In: 1994.760+/-0.333 χ²/NDF:599994.9/22
+ sign 2160.514+/-0.303 χ²/NDF: 5521983.9/43
All: 2181.911+/-0.218 χ²/NDF: 11889430.4/8
- sign 2204.992+/-0.315 χ²/NDF: 6357098.7/45

cor_asym_sam2_mean vs Slug



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

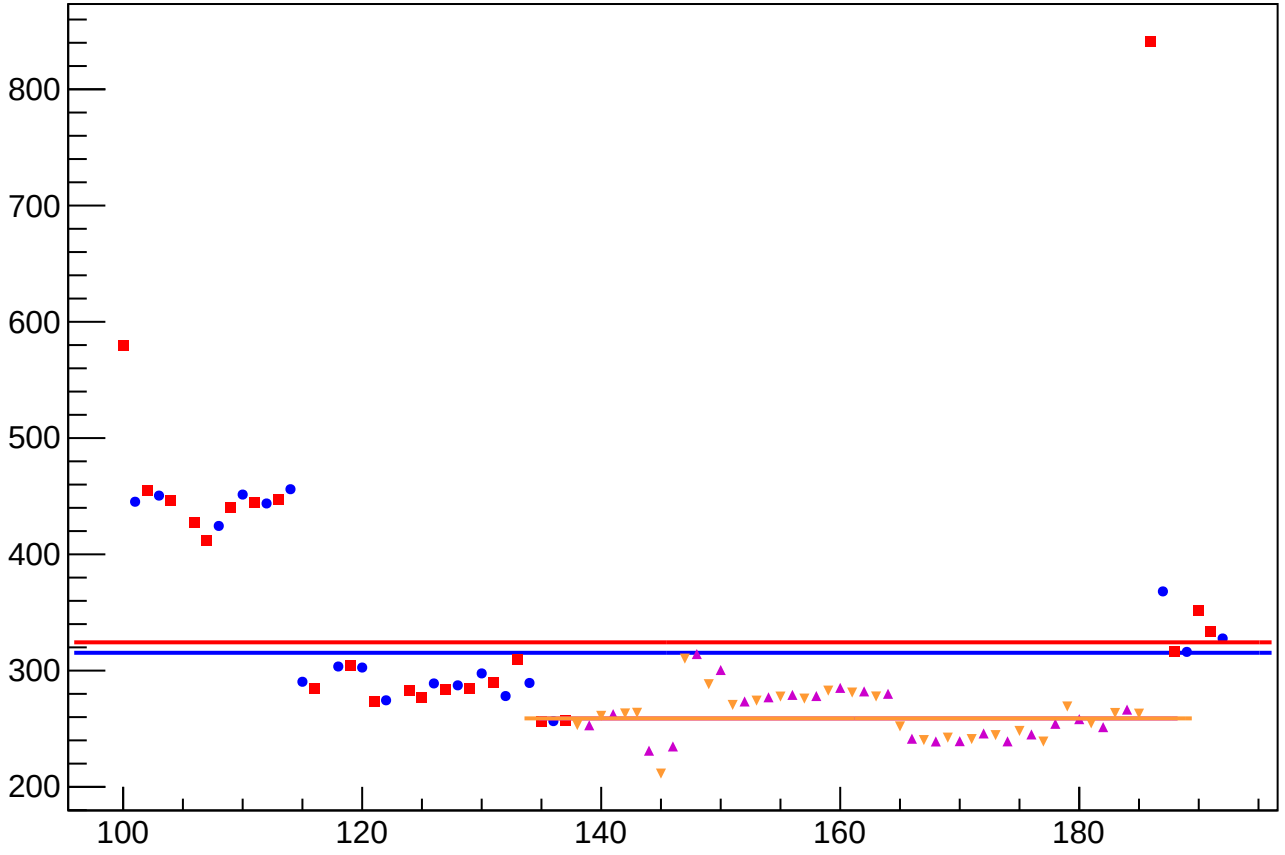
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -153.837+/-51.755 χ^2/NDF: 79.1/43

All: -33.358+/-37.038 χ^2/NDF: 138.7/89

- sign 93.126+/-53.029 χ^2/NDF: 48.5/45

cor_asym_sam2_rms vs Slug



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

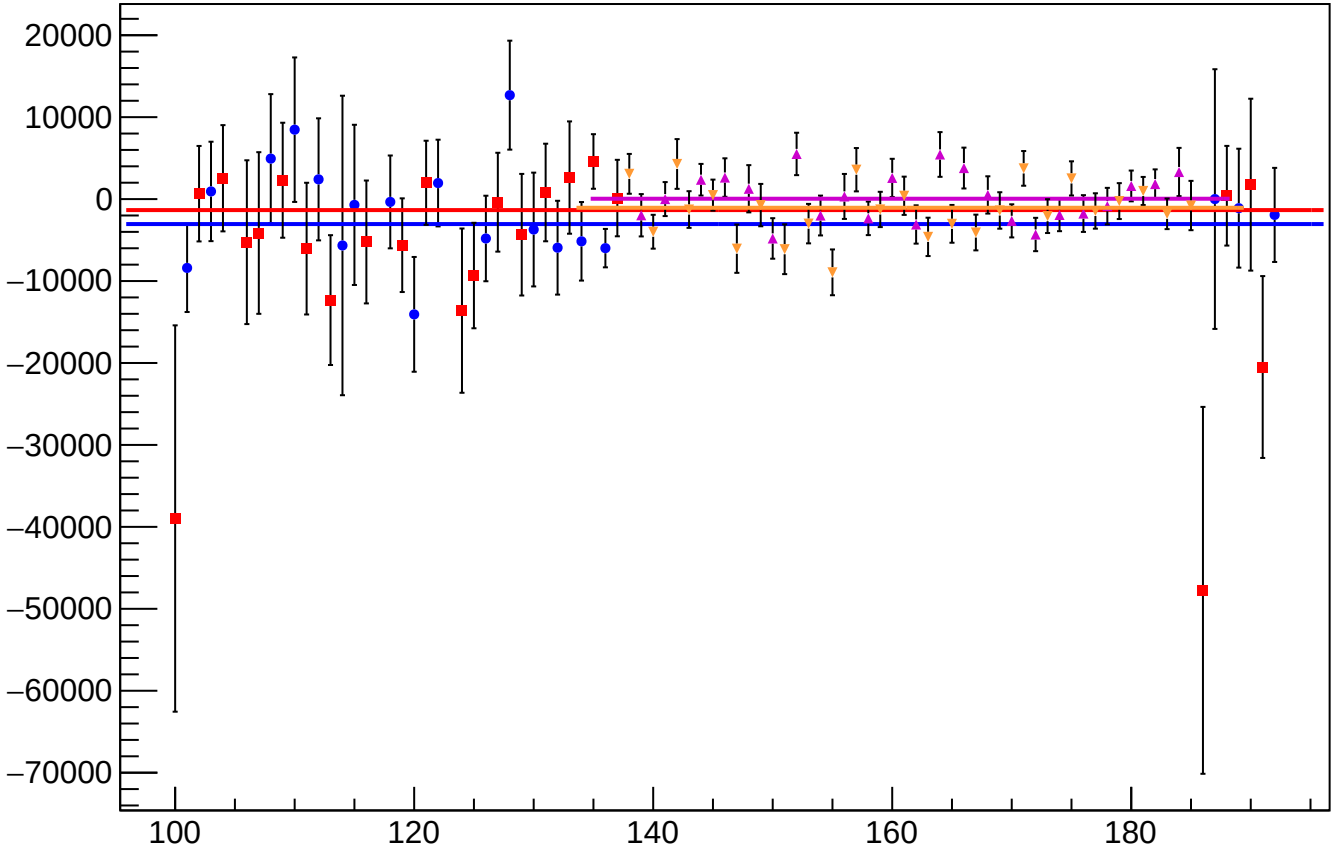
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 271.969+/-0.037 χ^2/NDF: 1285003.2/43

All: 273.135+/-0.026 χ^2/NDF: 3092665.8/89

- sign 274.360+/-0.037 χ^2/NDF: 1805579.5/45

asym_sam2_cor_correction_mean vs Slug



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

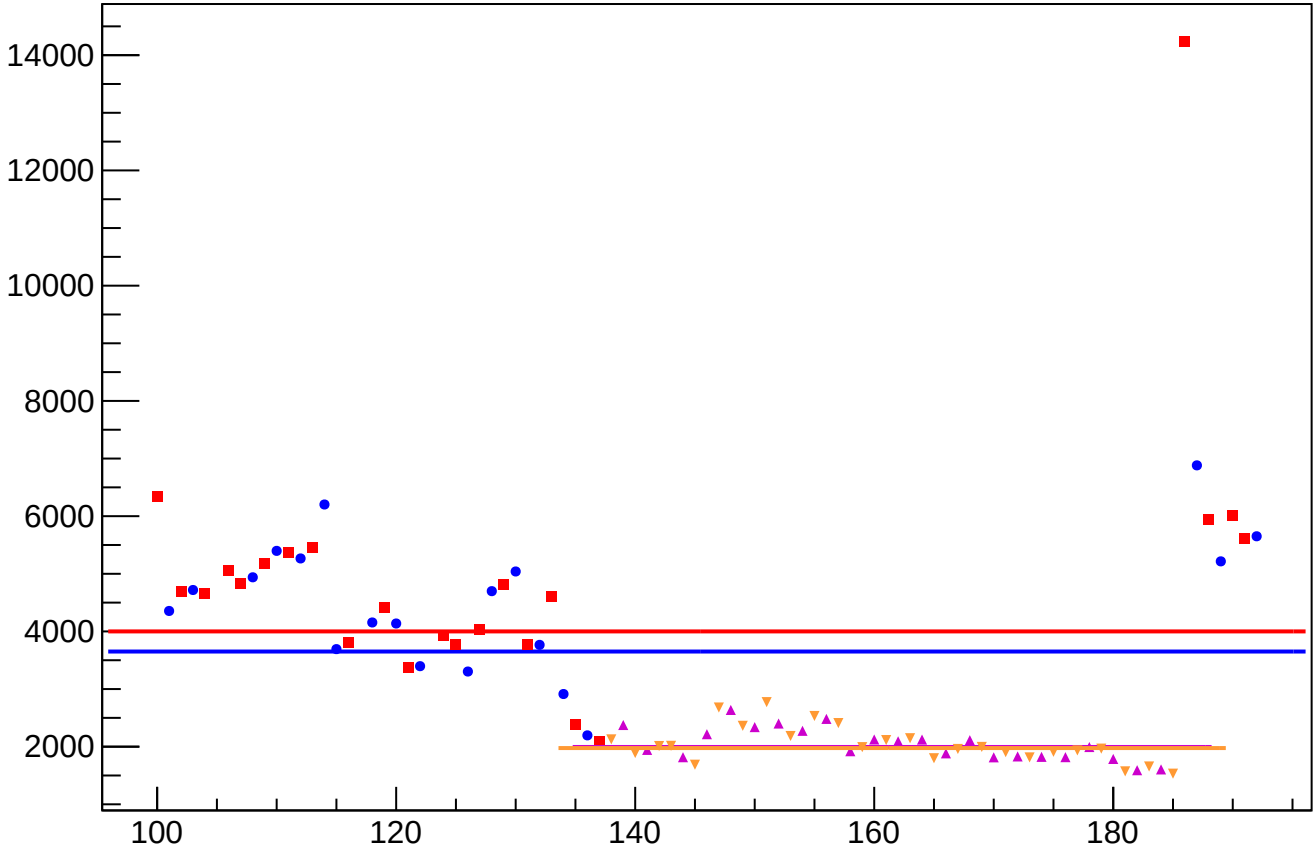
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1278.187+/-428.879 χ^2/NDF: 59.9/43

All: -711.505+/-308.973 χ^2/NDF: 120.0/89

- sign -100.039+/-445.504 χ^2/NDF: 56.5/45

asym_sam2_cor_correction_rms vs Slug



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

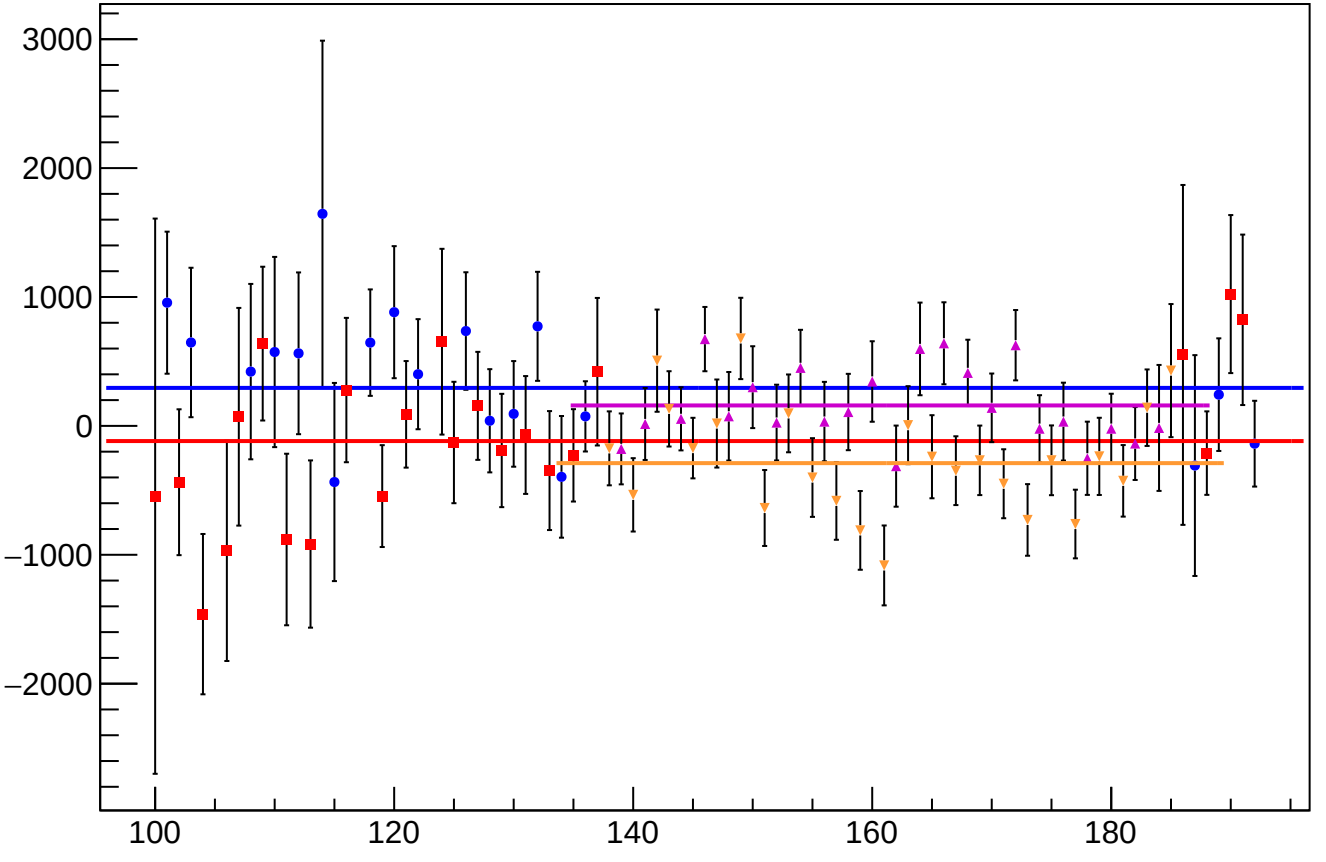
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2160.514+/-0.303 χ^2/NDF: 5522004.8/43

All: 2181.300+/-0.218 χ^2/NDF: 11835611.4/8

- sign 2203.729+/-0.315 χ^2/NDF: 6303839.4/45

eigen_cor_asym_sam2_mean vs Slug



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

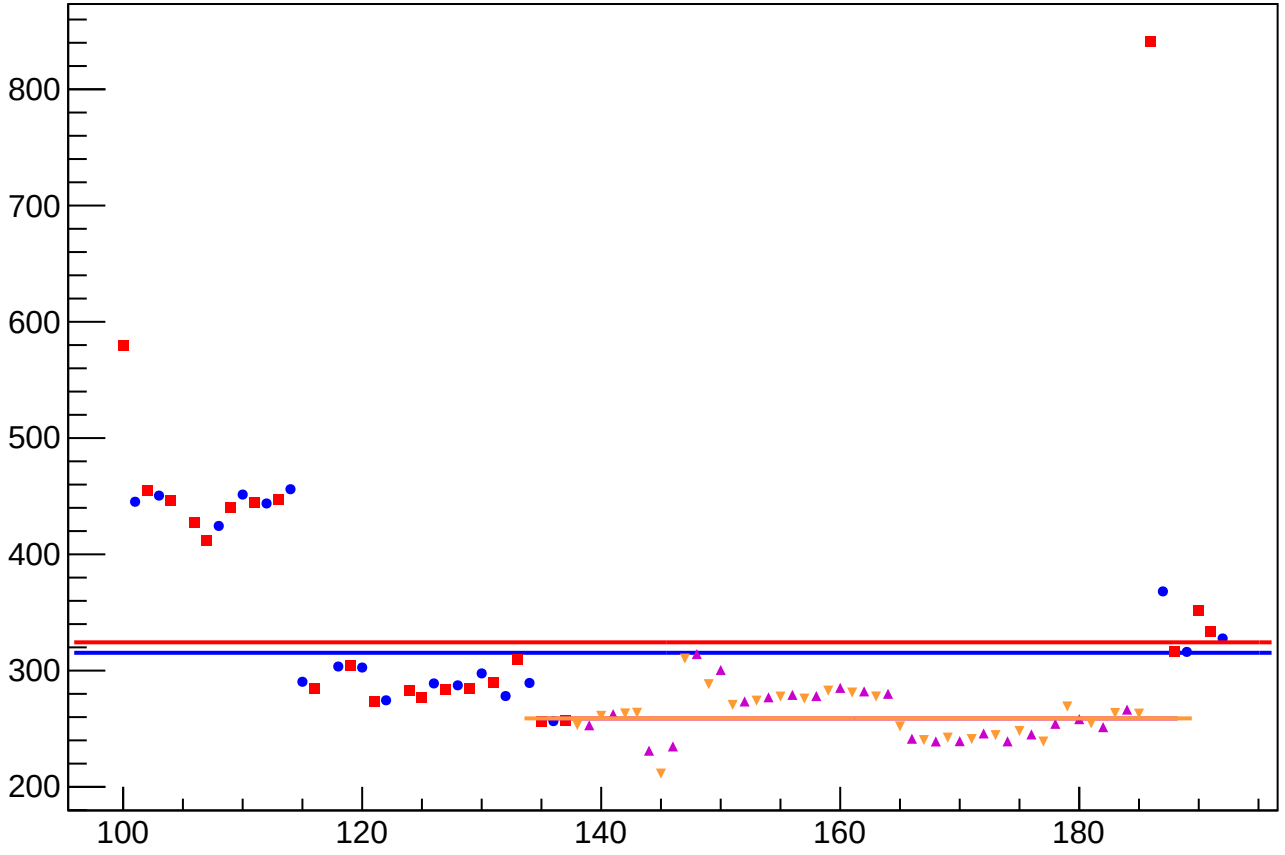
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -153.837+/-51.755 χ^2/NDF: 79.1/43

All: -33.358+/-37.038 χ^2/NDF: 138.7/89

- sign 93.126+/-53.029 χ^2/NDF: 48.5/45

eigen_cor_asym_sam2_rms vs Slug



Right In: 315.329+/-0.076 χ^2/NDF: 613543.3/18

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

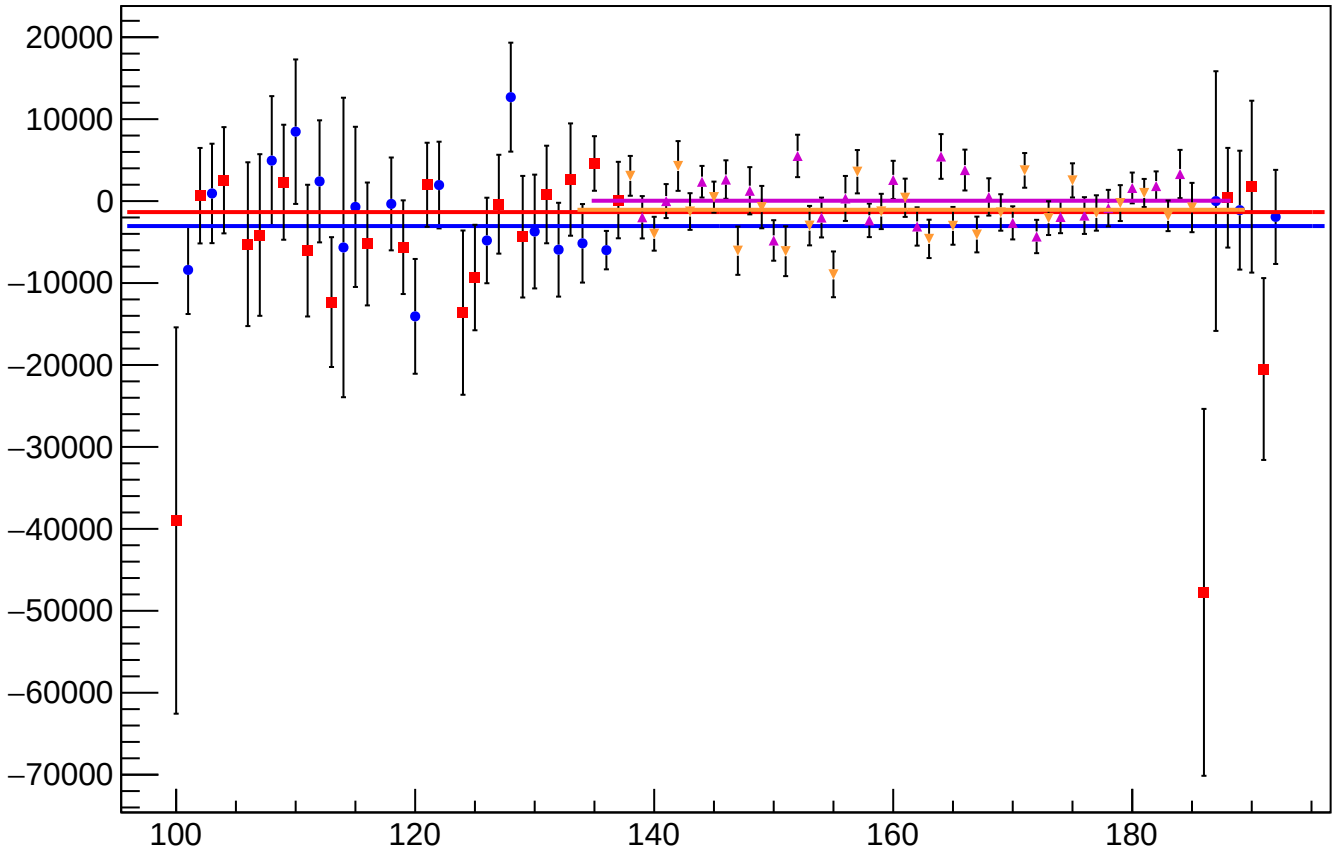
Right Out: 324.322+/-0.077 χ^2/NDF: 1009245.5/22

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 271.969+/-0.037 χ^2/NDF: 1285003.2/43

All: 273.135+/-0.026 χ^2/NDF: 3092665.8/89

- sign 274.360+/-0.037 χ^2/NDF: 1805579.5/45



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

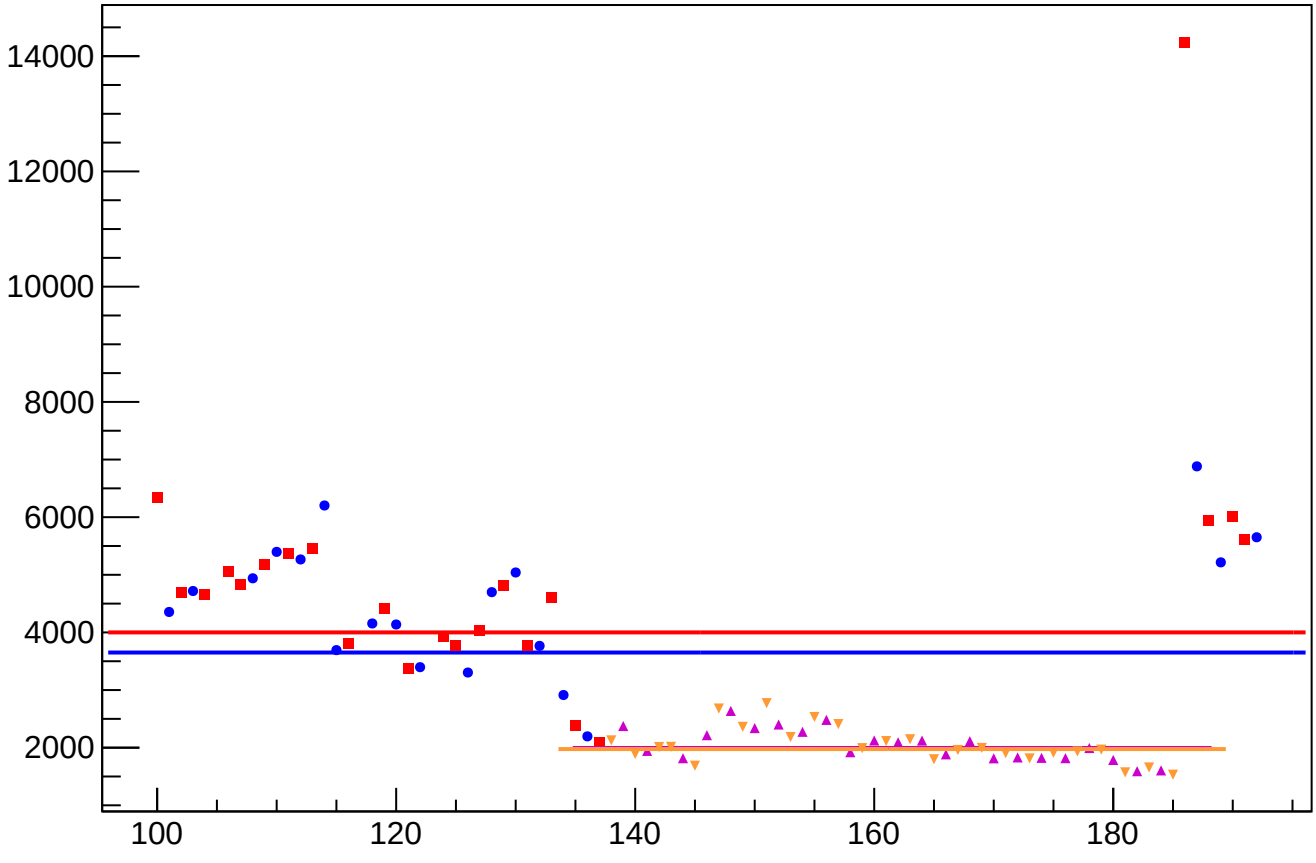
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1278.187+/-428.879 χ^2/NDF: 59.9/43

All: -711.505+/-308.973 χ^2/NDF: 120.0/89

- sign -100.039+/-445.504 χ^2/NDF: 56.5/45

asym_sam2_eigen_cor_correction_rms vs Slug



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

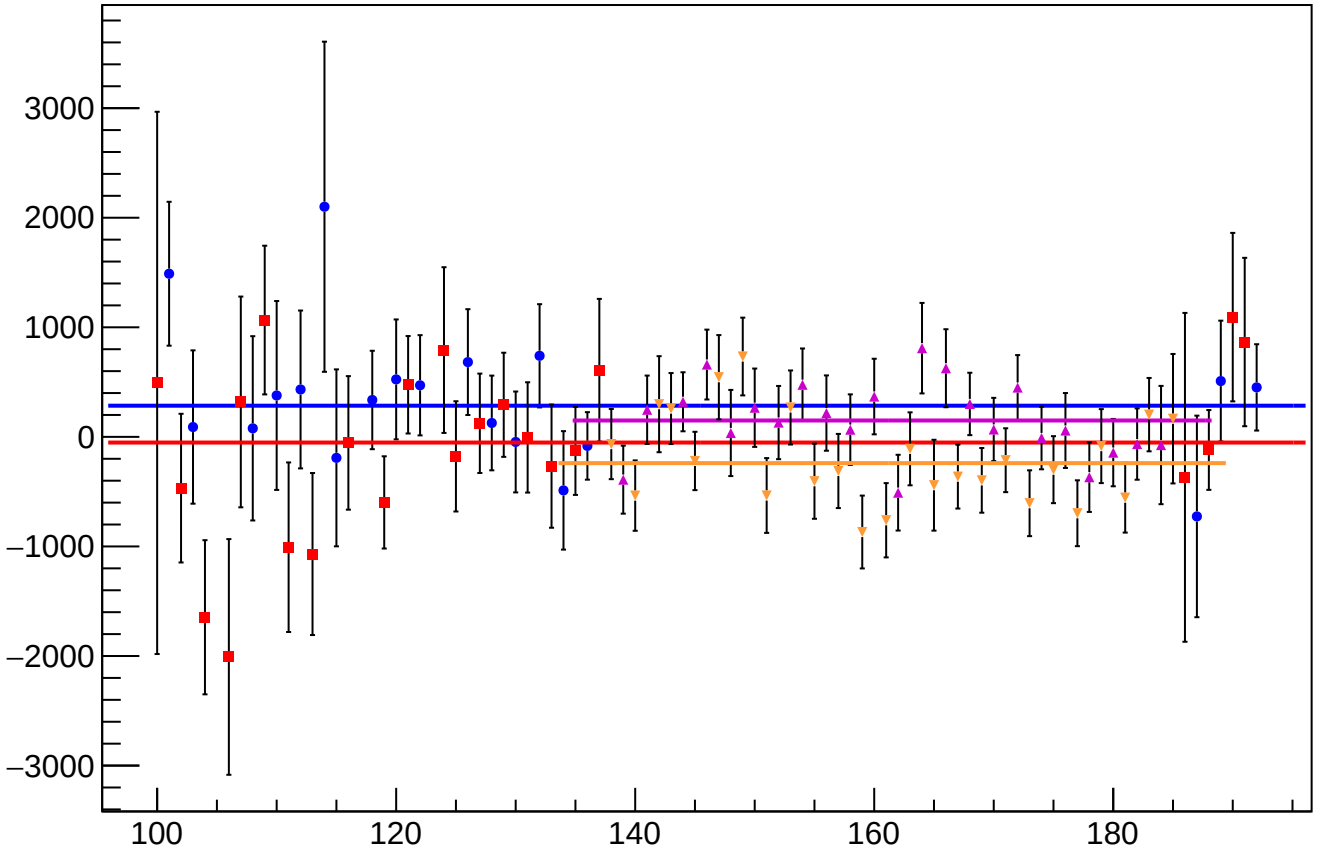
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2160.514+/-0.303 χ^2/NDF: 5522004.8/43

All: 2181.300+/-0.218 χ^2/NDF: 11835611.4/8

- sign 2203.729+/-0.315 χ^2/NDF: 6303839.4/45

dit_asym_sam2_mean vs Slug



Right In: 284.519+/-121.403 χ^2/NDF: 13.0/18

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -51.707+/-121.813 χ^2/NDF: 25.2/22

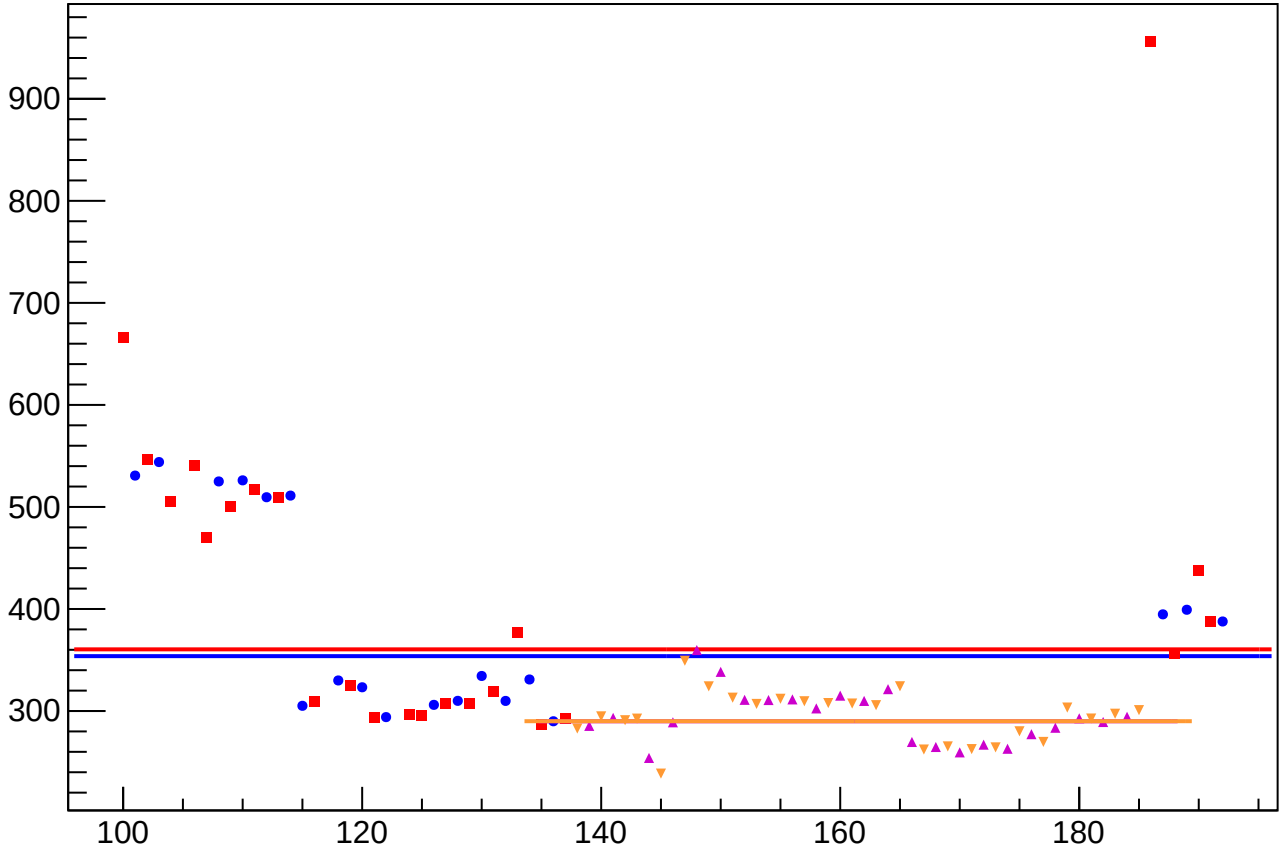
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -119.528+/-58.098 χ^2/NDF: 61.4/43

All: -11.595+/-41.562 χ^2/NDF: 117.4/89

- sign 101.537+/-59.481 χ^2/NDF: 49.0/45

dit_asym_sam2_rms vs Slug



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

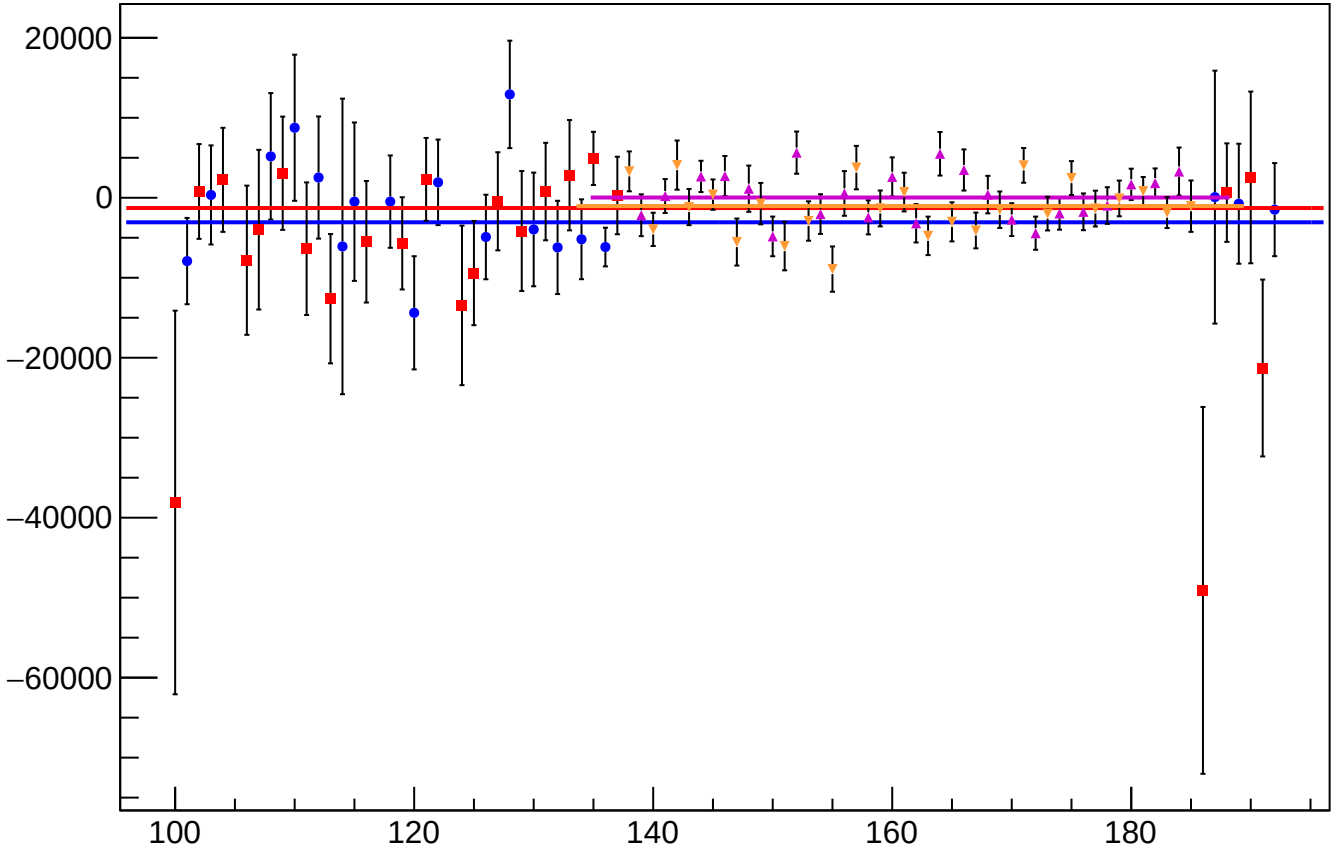
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

\+ sign 304.625+/-0.041 χ^2/NDF: 1513262.8/43

All: 305.663+/-0.029 χ^2/NDF: 3504557.4/89

\- sign 306.751+/-0.042 χ^2/NDF: 1989986.5/45

asym_sam2_dit_correction_mean vs Slug



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

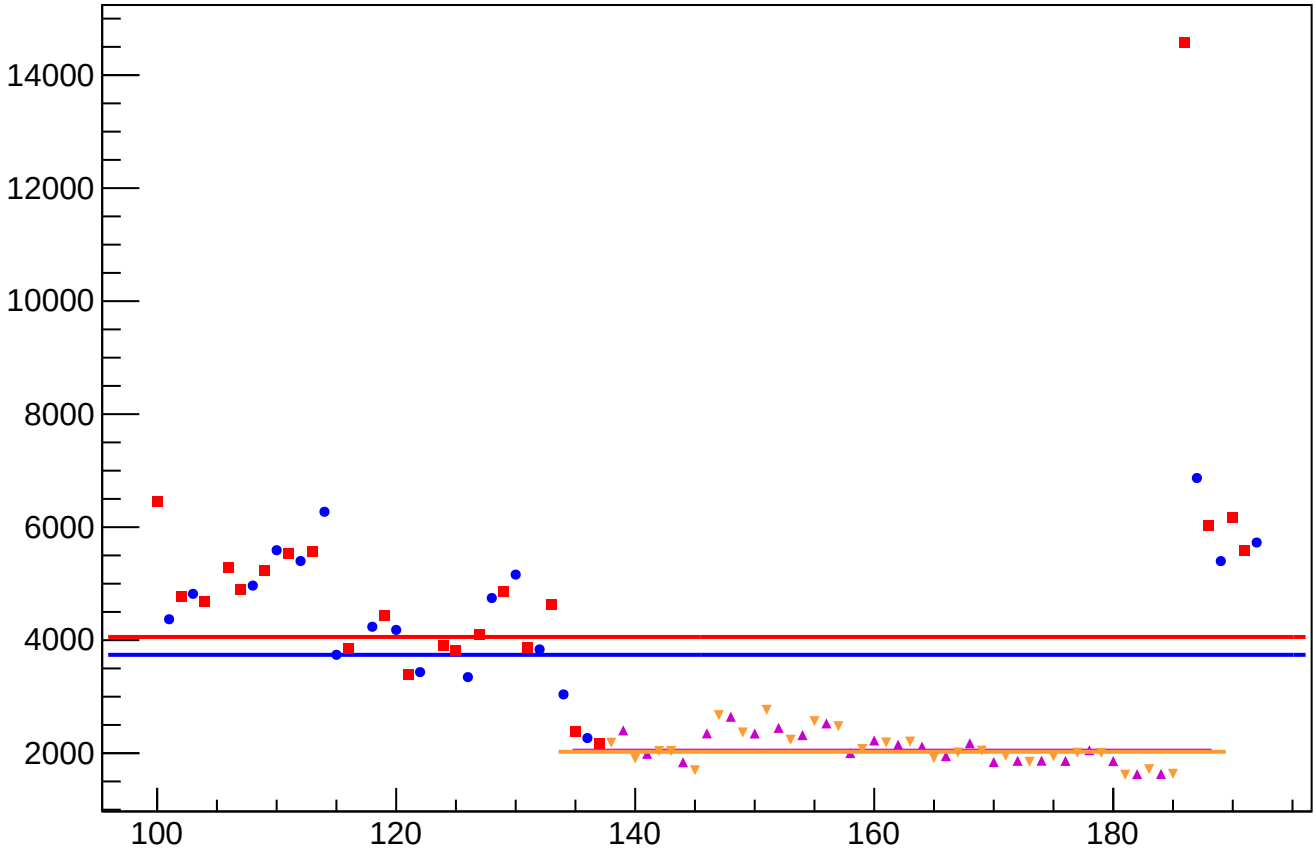
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1260.707+/-438.882 χ^2/NDF: 58.7/43

All: -707.128+/-316.152 χ^2/NDF: 119.4/89

- sign -110.016+/-455.812 χ^2/NDF: 57.5/45

asym_sam2_dit_correction_rms vs Slug



Right In: 3740.801+/-0.934 χ^2/NDF: 1706531.6/18

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

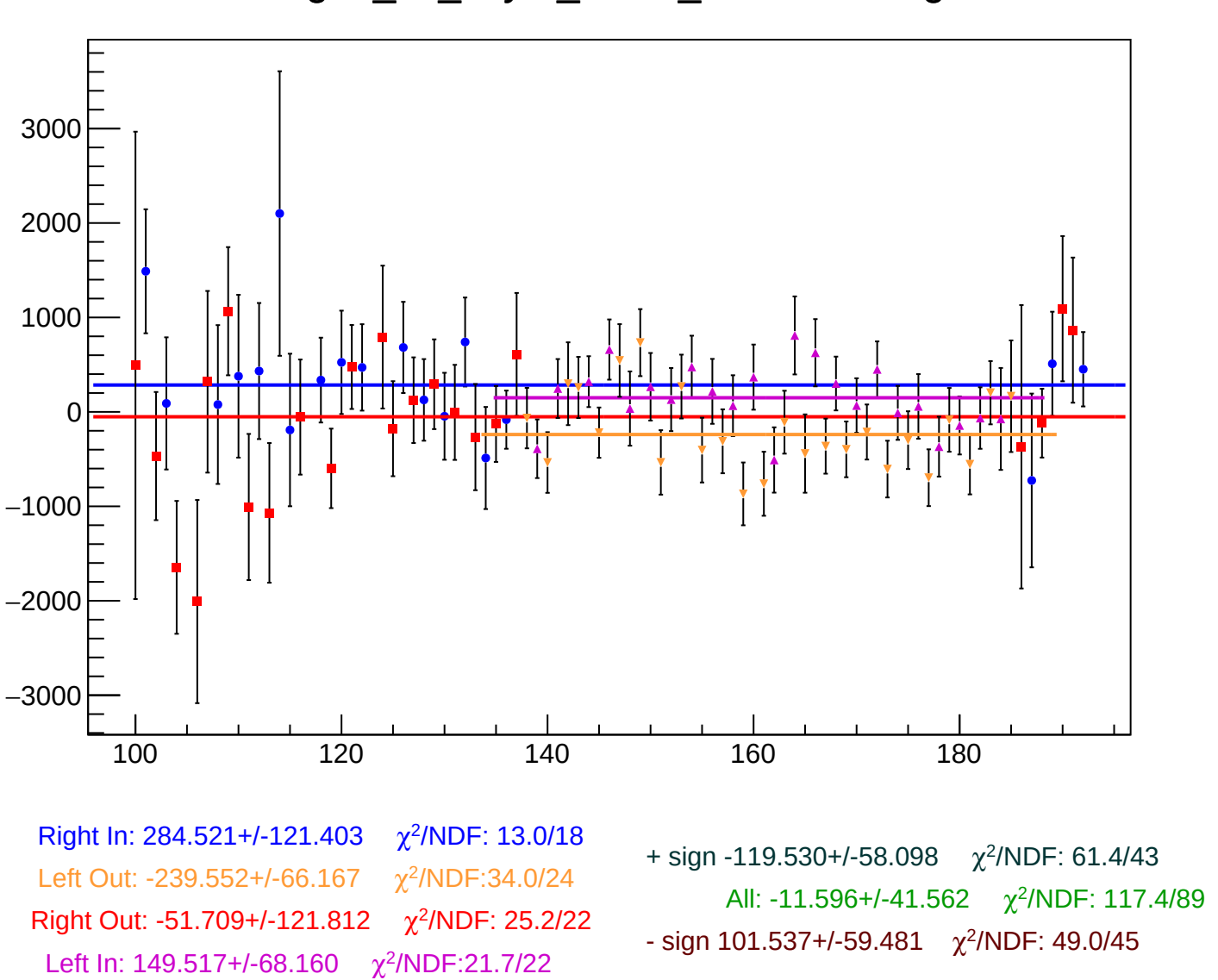
Right Out: 4057.156+/-0.986 χ^2/NDF: 1941358.4/22

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

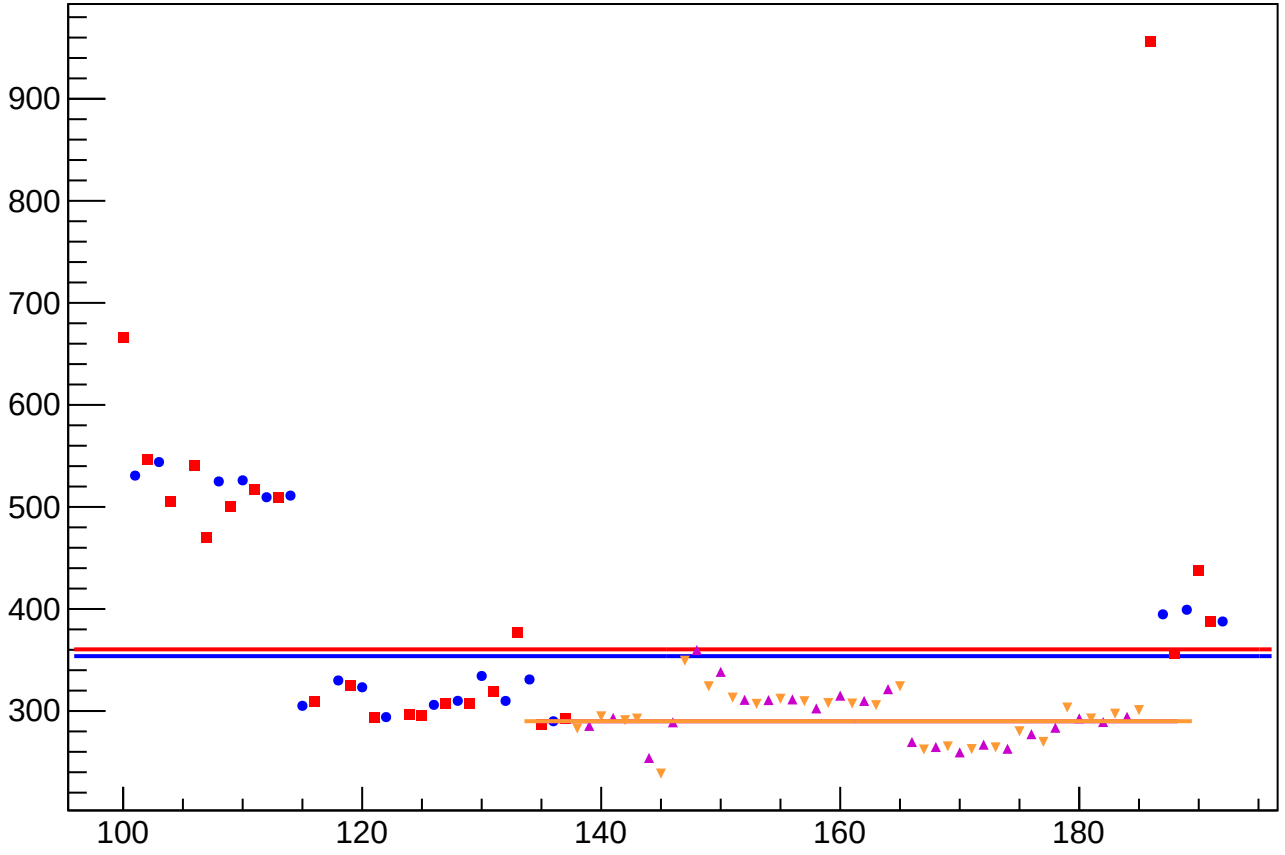
+ sign 2214.532+/-0.310 χ^2/NDF: 5409645.5/43

All: 2236.104+/-0.224 χ^2/NDF: 11664126.9/8

- sign 2259.371+/-0.322 χ^2/NDF: 6244438.3/45


eigen_dit_asym_sam2_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
100
120
140
160
180
Right In: 284.521+/-121.403 χ²/NDF: 13.0/18
Left Out: -239.552+/-66.167 χ²/NDF:34.0/24
Right Out: -51.709+/-121.812 χ²/NDF: 25.2/22
Left In: 149.517+/-68.160 χ²/NDF:21.7/22
+ sign -119.530+/-58.098 χ²/NDF: 61.4/43
All: -11.596+/-41.562 χ²/NDF: 117.4/89
- sign 101.537+/-59.481 χ²/NDF: 49.0/45

eigen_dit_asym_sam2_rms vs Slug



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

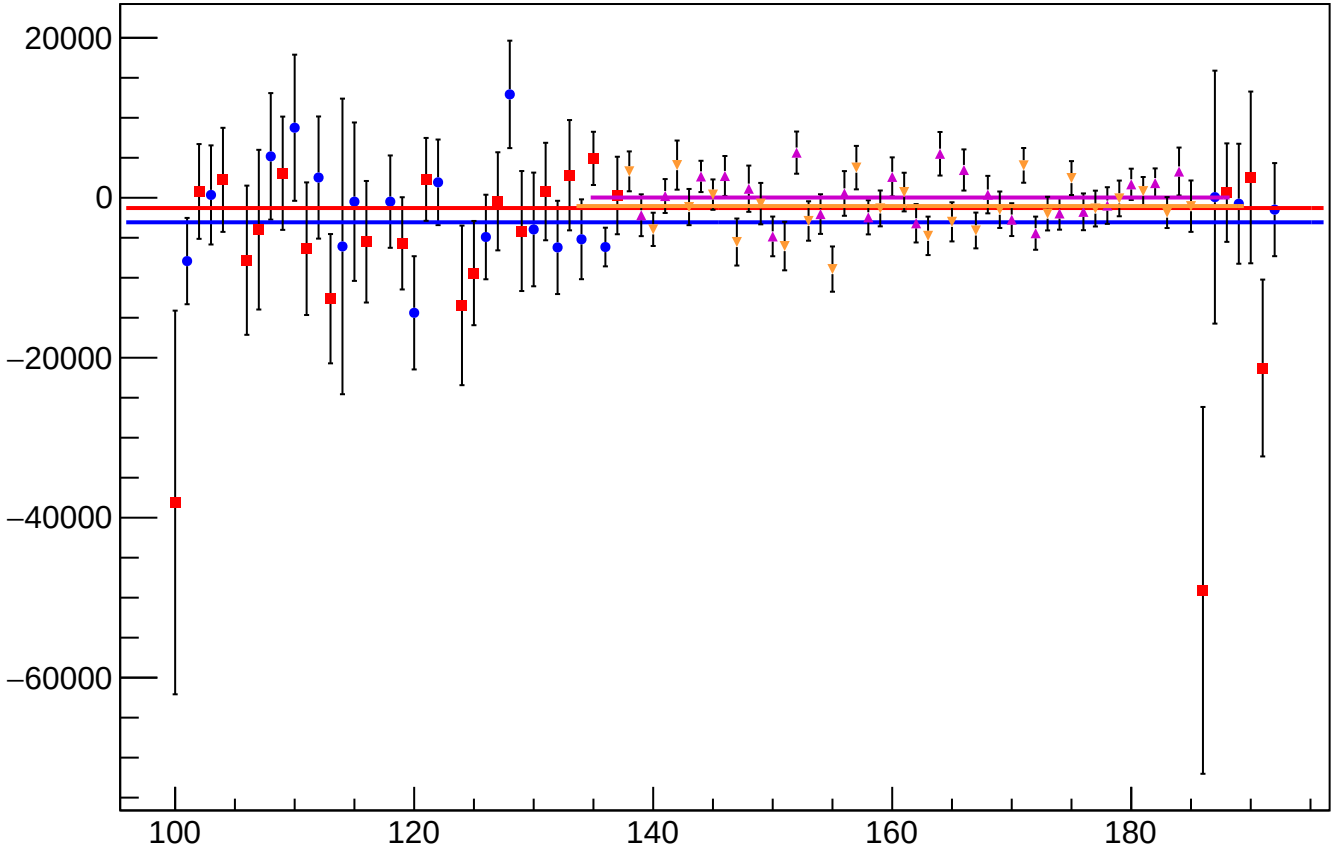
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

\+ sign 304.624+/-0.041 χ^2/NDF: 1513243.7/43

All: 305.663+/-0.029 χ^2/NDF: 3504517.5/89

\- sign 306.751+/-0.042 χ^2/NDF: 1989965.6/45

asym_sam2_eigen_dit_correction_mean vs Slug



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

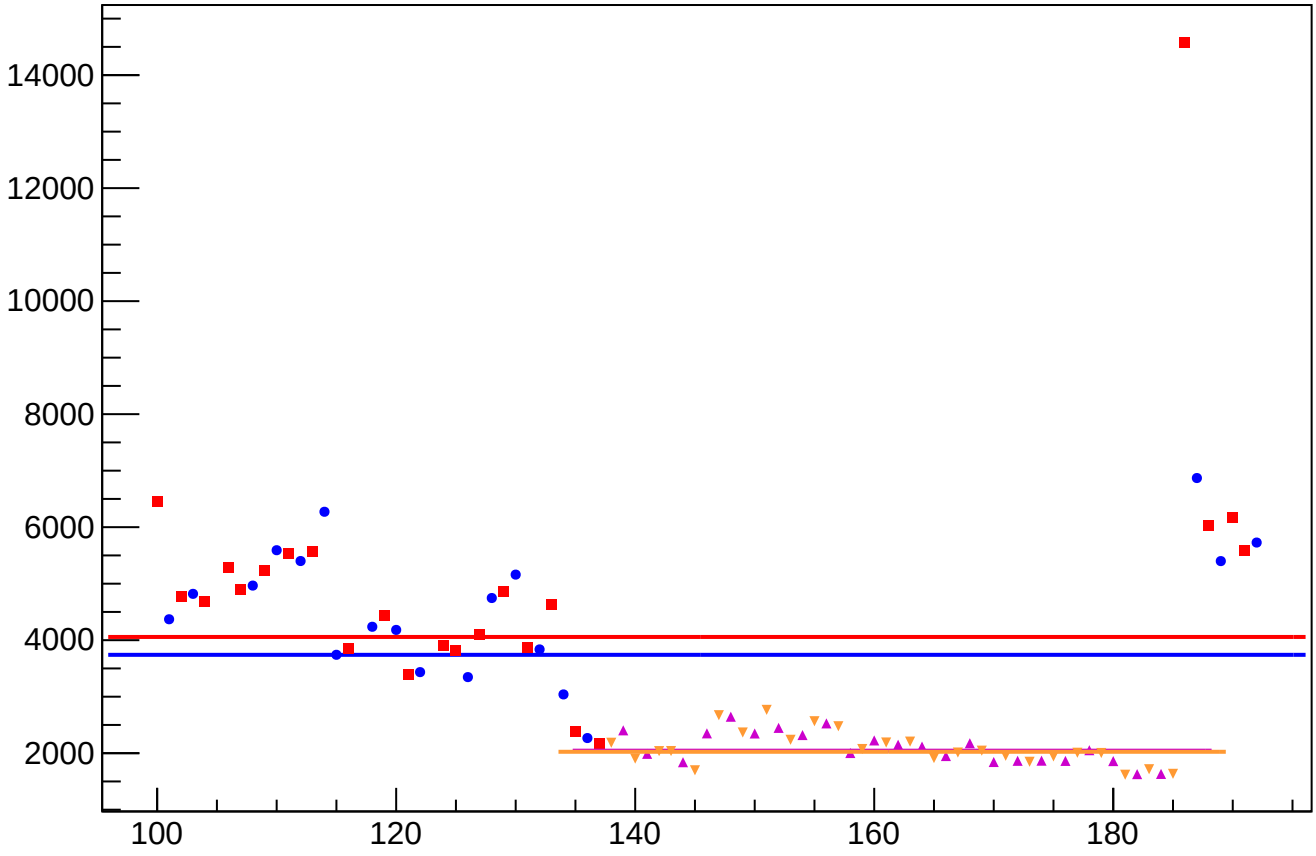
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1260.706+/-438.882 χ^2/NDF: 58.7/43

All: -707.128+/-316.152 χ^2/NDF: 119.4/89

- sign -110.018+/-455.812 χ^2/NDF: 57.5/45

asym_sam2_eigen_dit_correction_rms vs Slug



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

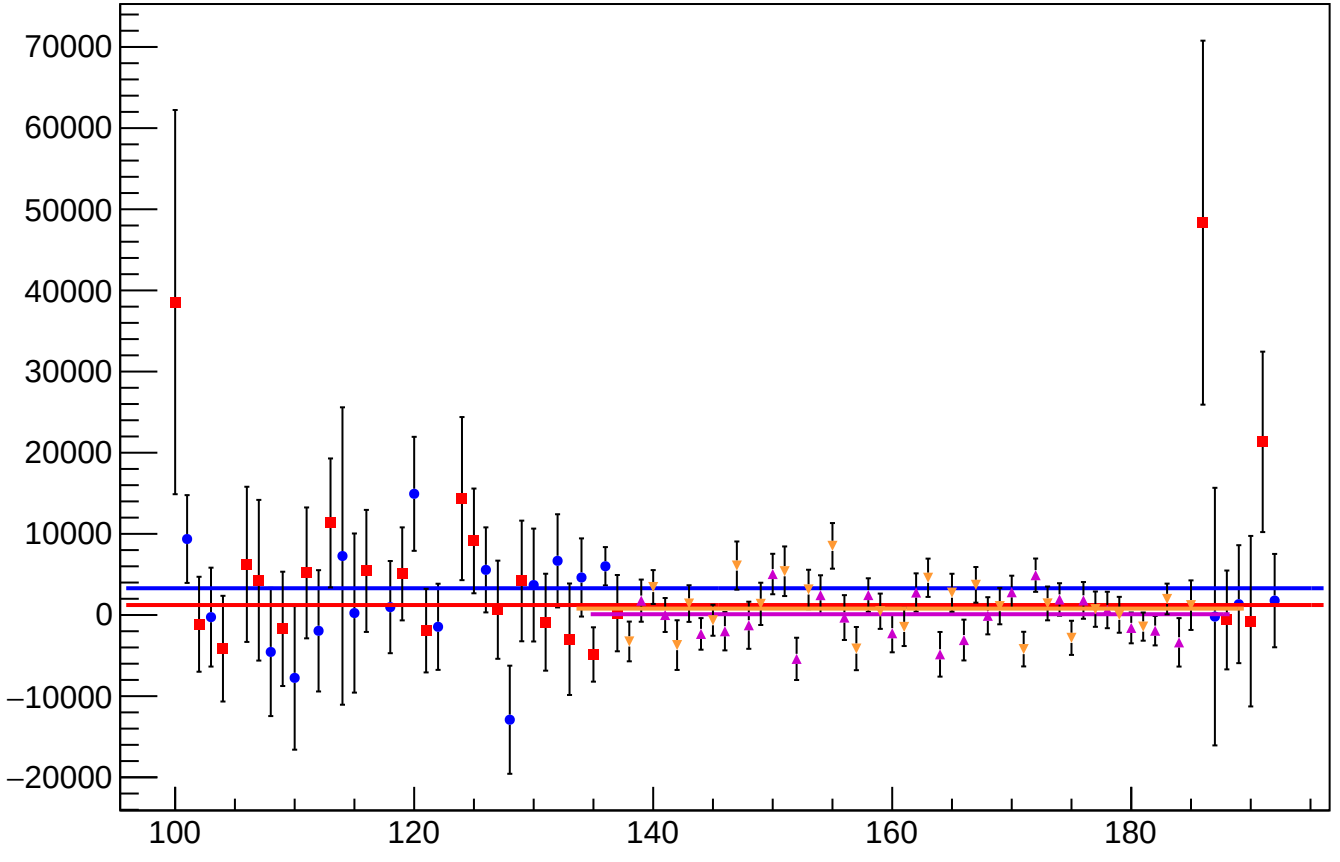
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2214.533+/-0.310 χ^2/NDF: 5409630.5/43

All: 2236.104+/-0.224 χ^2/NDF: 11664100.1/8

- sign 2259.371+/-0.322 χ^2/NDF: 6244426.7/45

asym_sam2_mean vs Slug



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

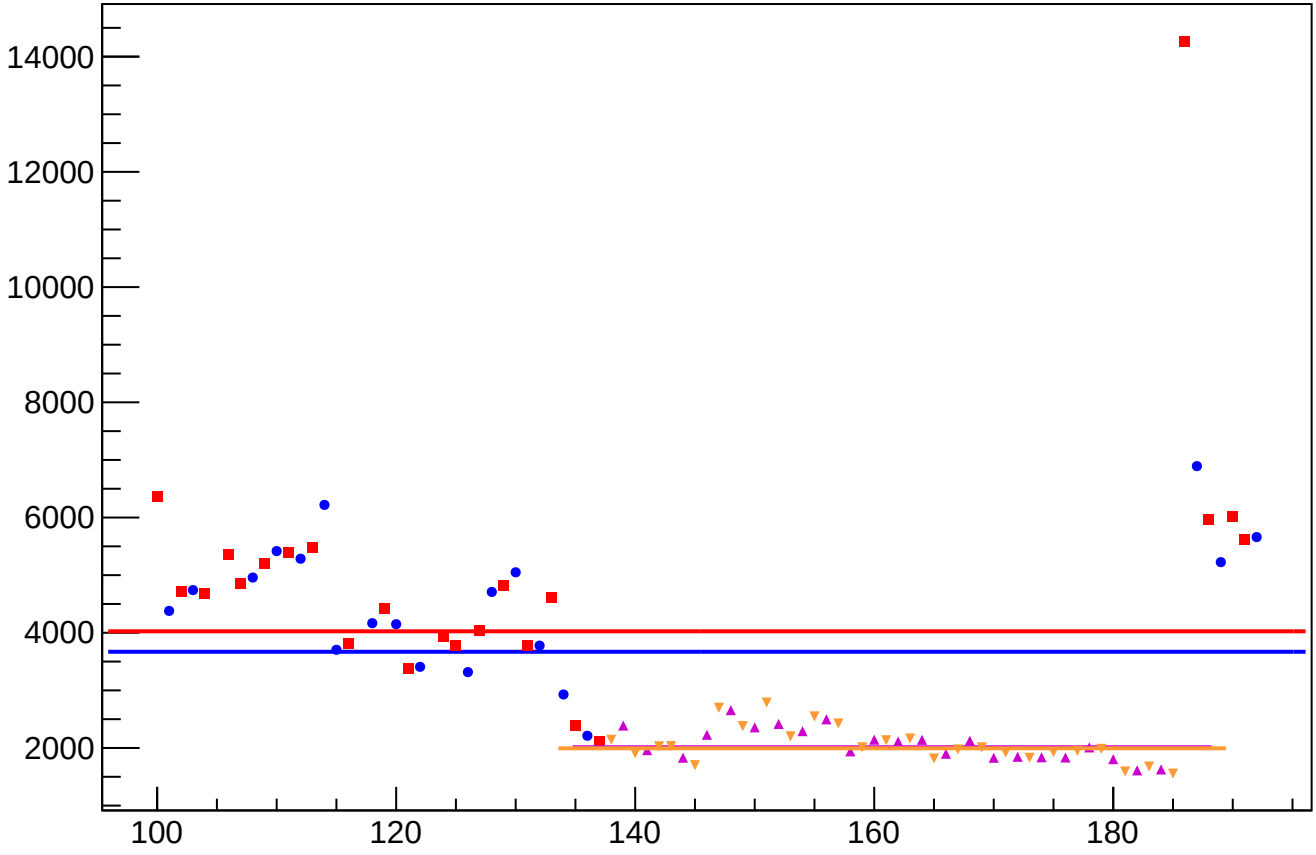
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1067.030+/-432.512 χ^2/NDF: 61.2/43

All: 657.540+/-311.543 χ^2/NDF: 118.4/89

- sign 215.971+/-449.134 χ^2/NDF: 55.4/45

asym_sam2_rms vs Slug



Right In: 3670.085+/-0.918 χ^2/NDF: 1749126.8/18

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

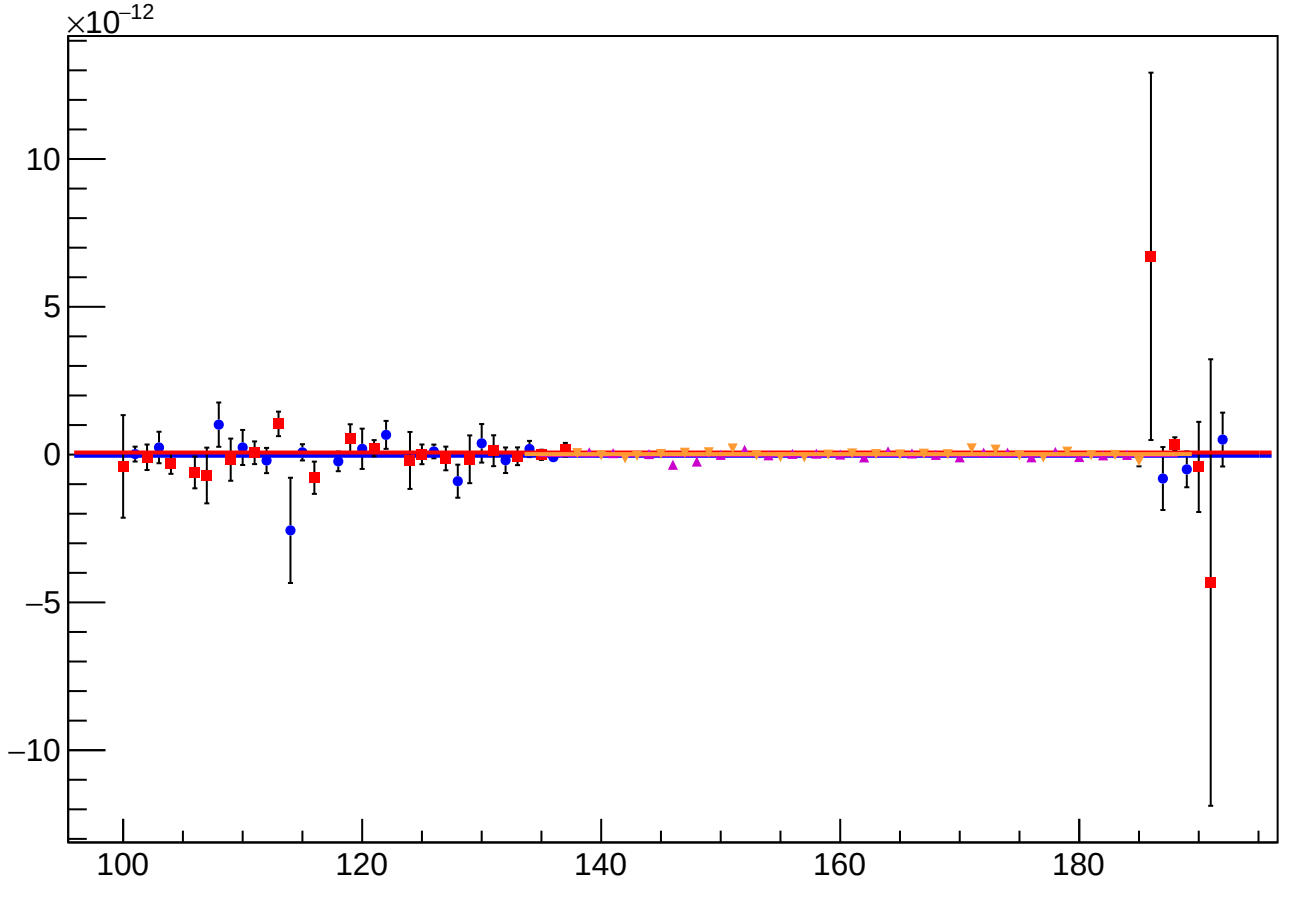
Right Out: 4025.447+/-0.979 χ^2/NDF: 1923588.8/22

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2180.304+/-0.306 χ^2/NDF: 5459123.9/43

All: 2201.621+/-0.220 χ^2/NDF: 11763800.6/8

- sign 2224.609+/-0.318 χ^2/NDF: 6294578.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 13.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

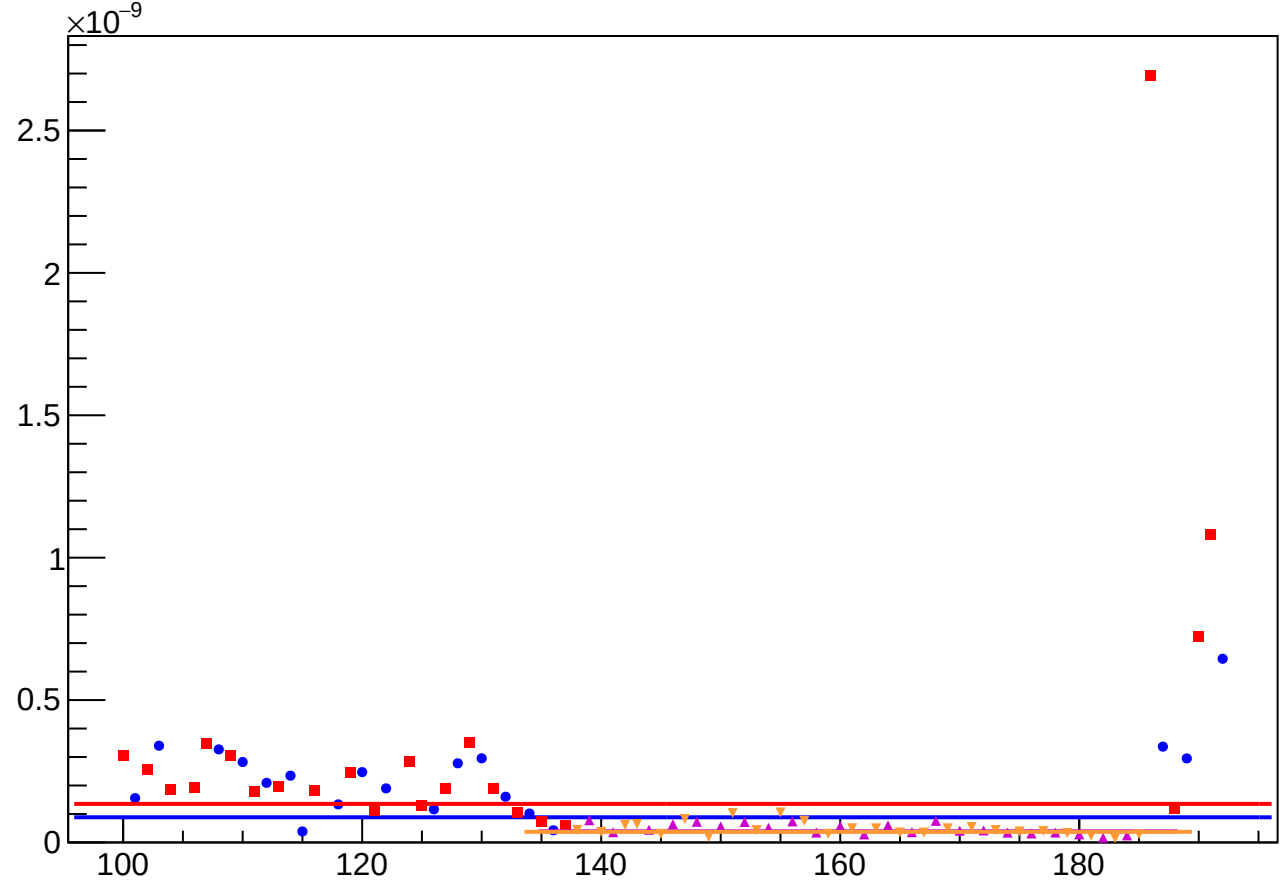
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/22

Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/43

All: 0.000+/-0.000 χ^2/NDF: 85.4/89

- sign -0.000+/-0.000 χ^2/NDF: 48.5/45



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

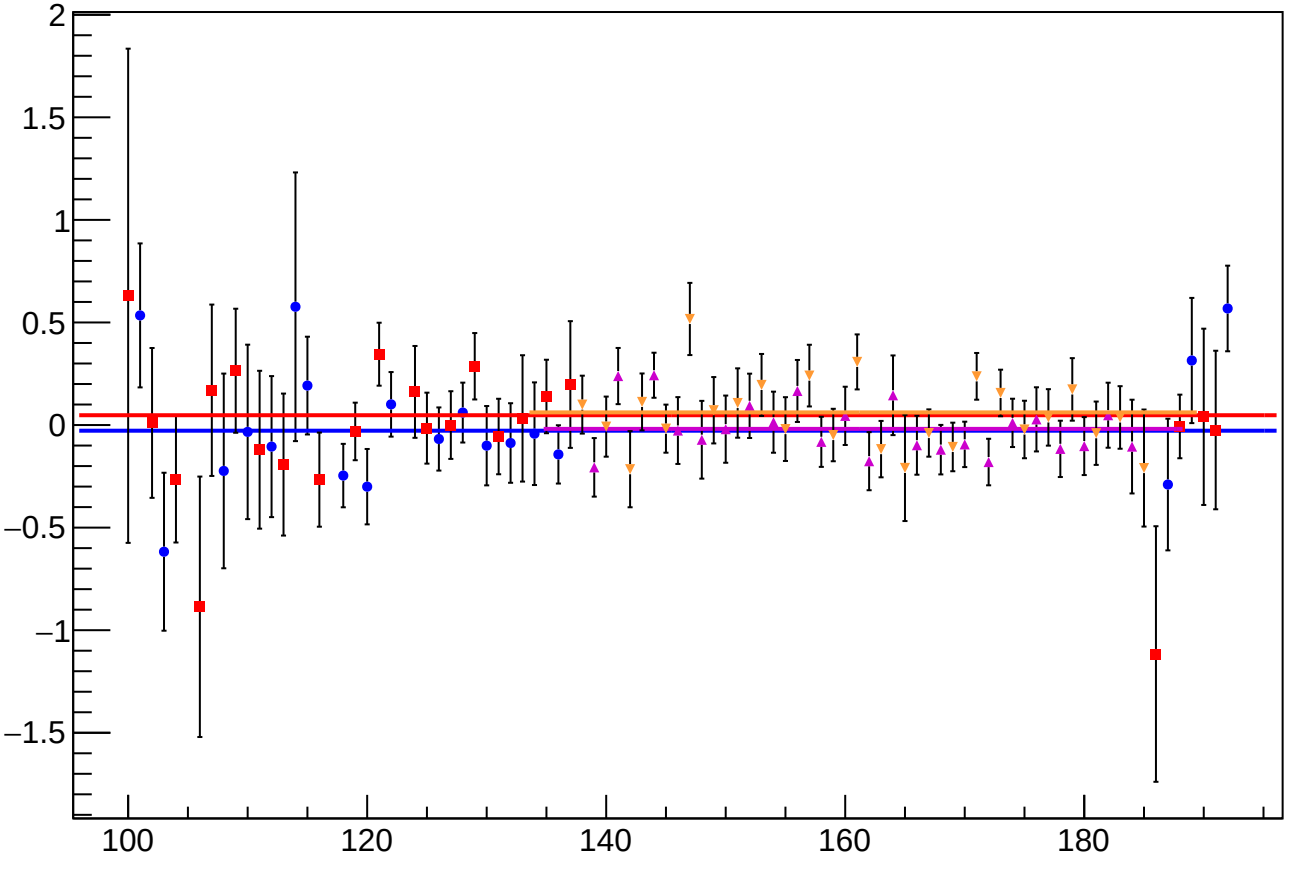
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7486698.8/43

All: 0.000+/-0.000 χ^2/NDF: 14323281.4/89

- sign 0.000+/-0.000 χ^2/NDF: 6807322.2/45

asym_sam2_dit_vs_cor_diff_mean vs Slug



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

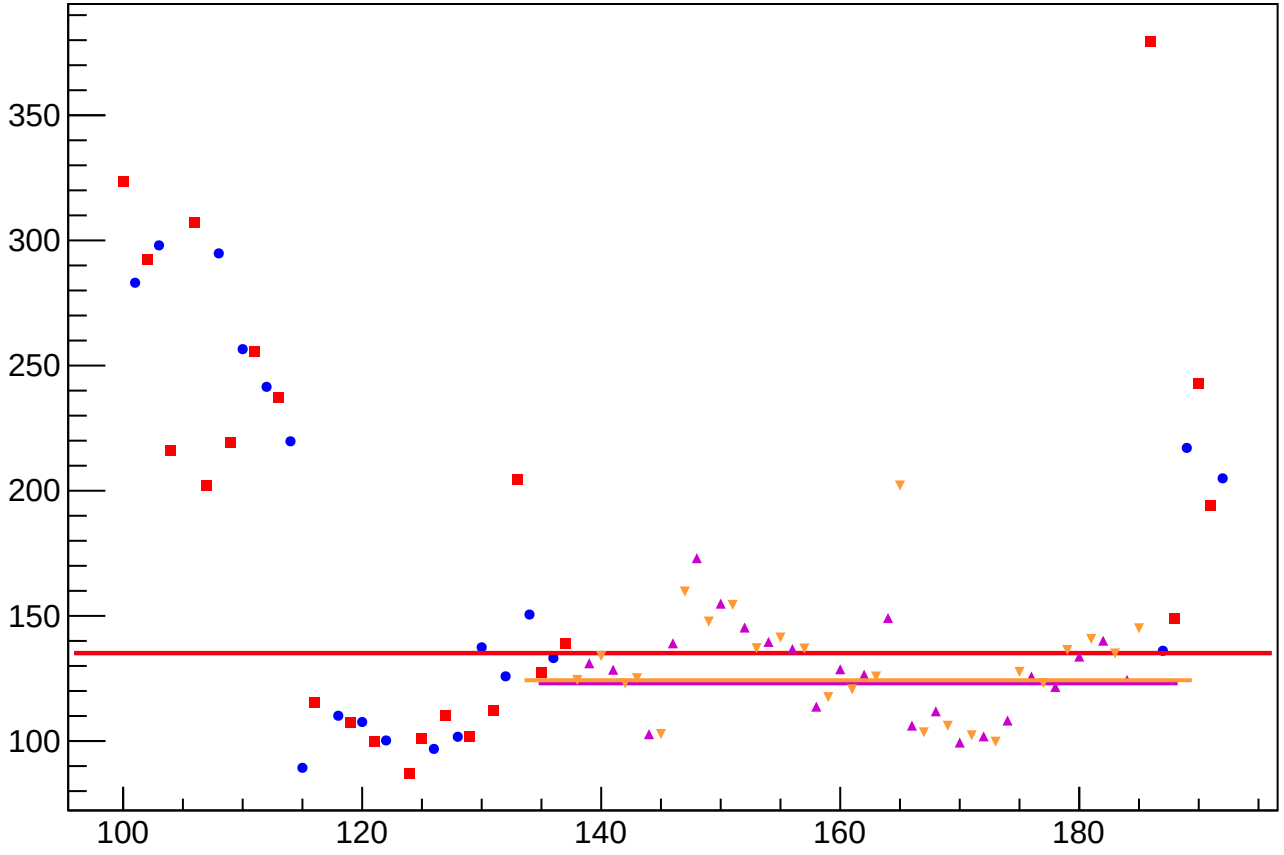
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.025 χ^2/NDF: 53.0/43

All: 0.019+/-0.018 χ^2/NDF: 93.8/89

- sign -0.001+/-0.025 χ^2/NDF: 39.5/45

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 135.068+/-0.035 χ^2/NDF: 2207347.6/18

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

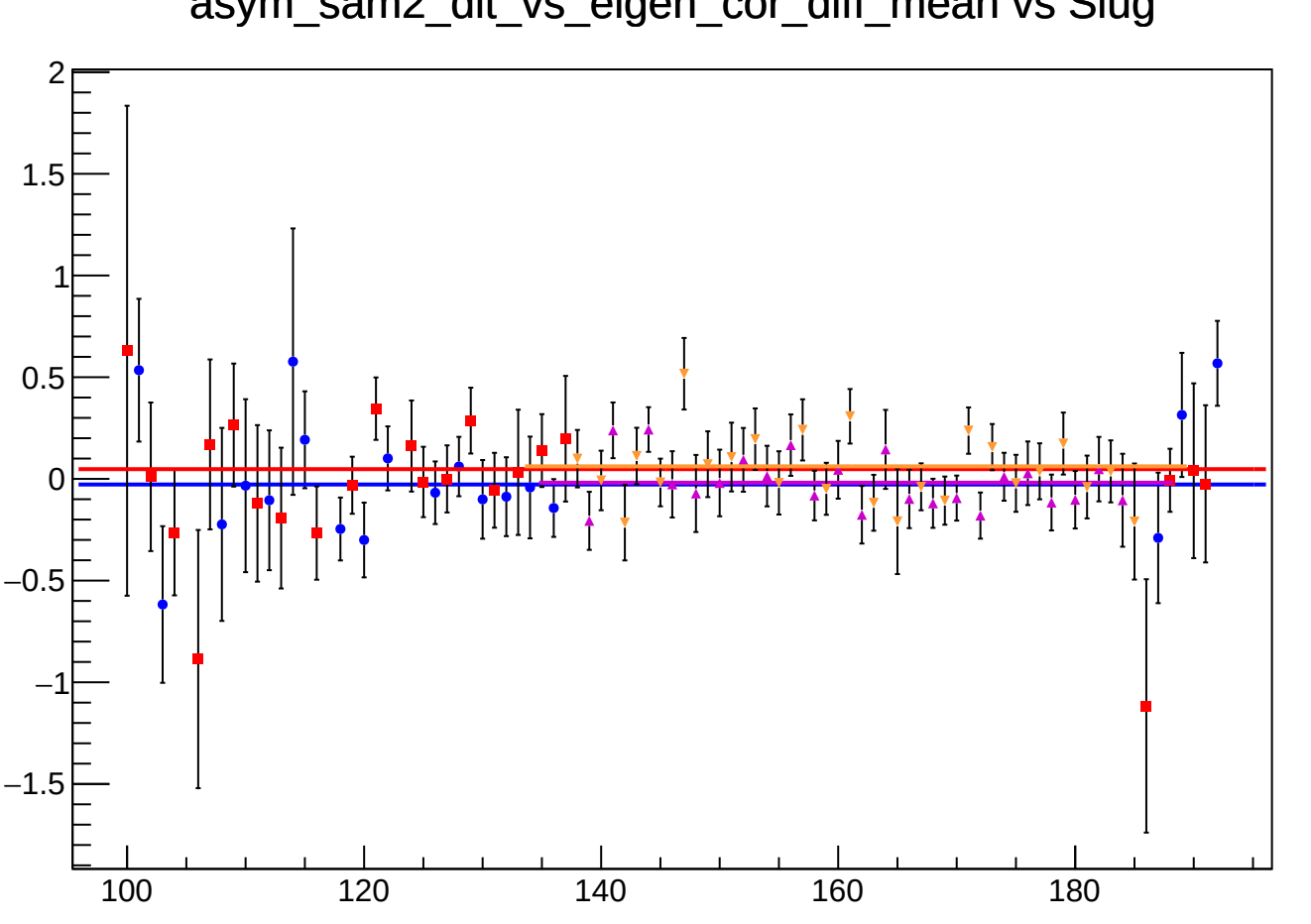
Right Out: 135.225+/-0.034 χ^2/NDF: 2409169.7/22

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 127.042+/-0.018 χ^2/NDF: 3120390.2/43

All: 126.703+/-0.012 χ^2/NDF: 6342271.6/89

- sign 126.355+/-0.018 χ^2/NDF: 3221120.8/45



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

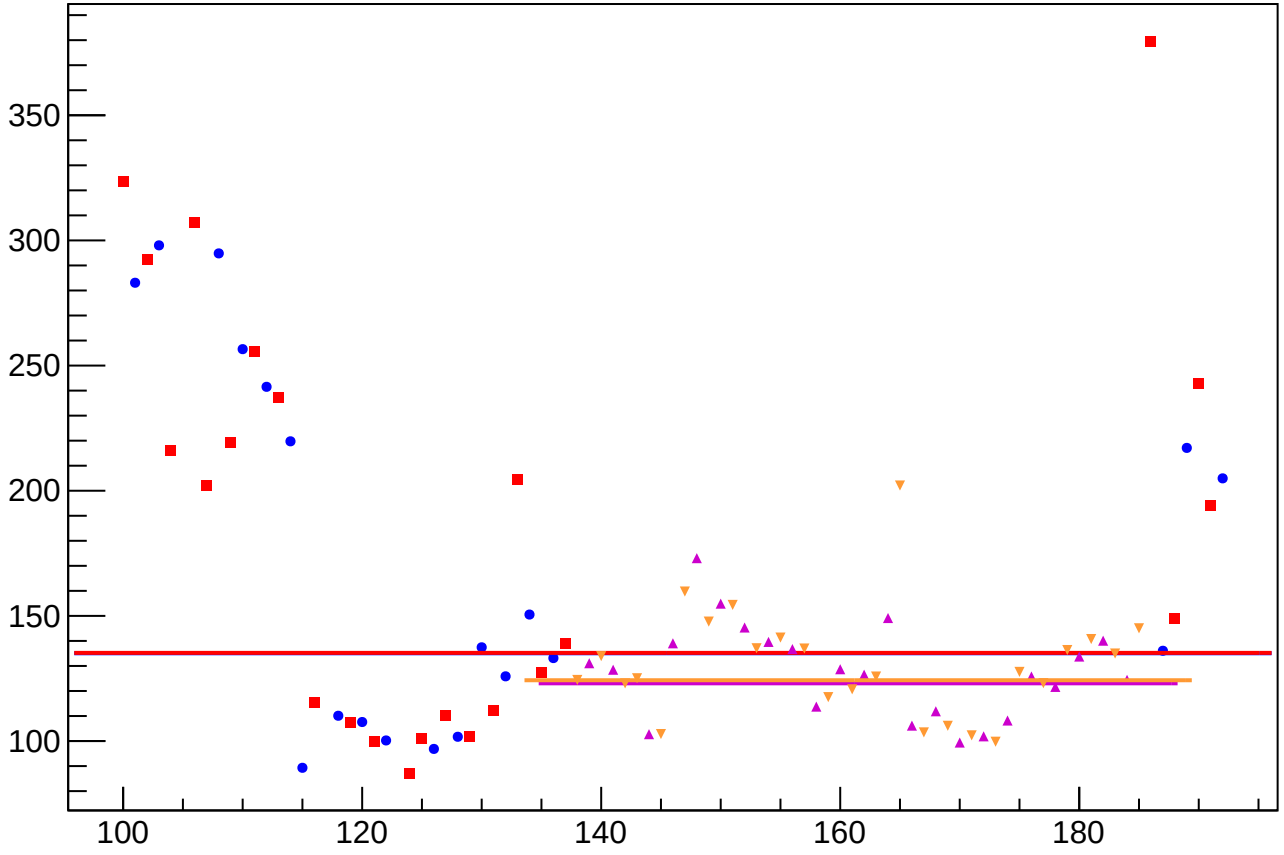
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.025 χ^2/NDF: 53.0/43

All: 0.019+/-0.018 χ^2/NDF: 93.8/89

- sign -0.001+/-0.025 χ^2/NDF: 39.5/45

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



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

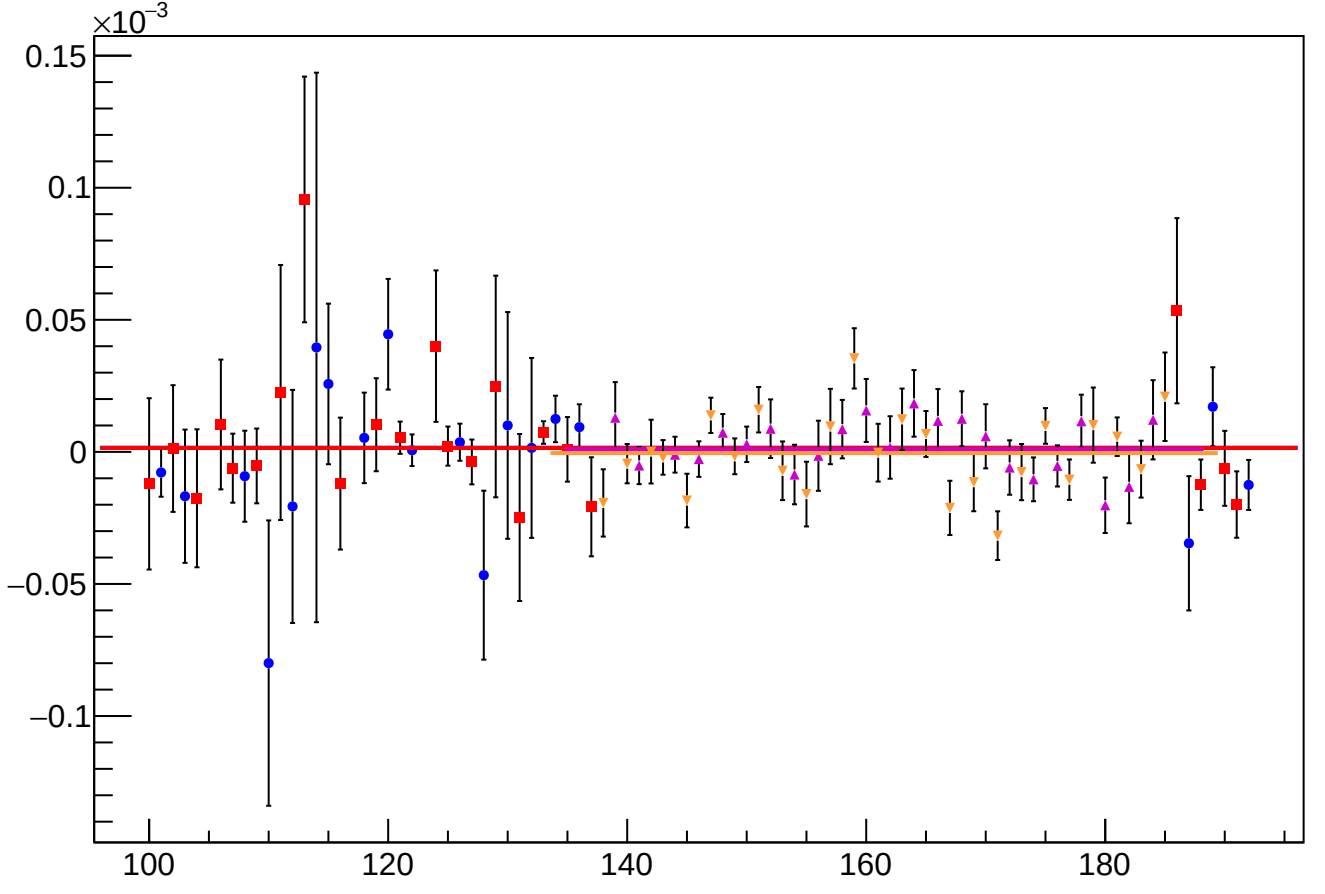
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 127.042+/-0.018 χ^2/NDF: 3120390.2/43

All: 126.703+/-0.012 χ^2/NDF: 6342271.6/89

- sign 126.355+/-0.018 χ^2/NDF: 3221120.8/45

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



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

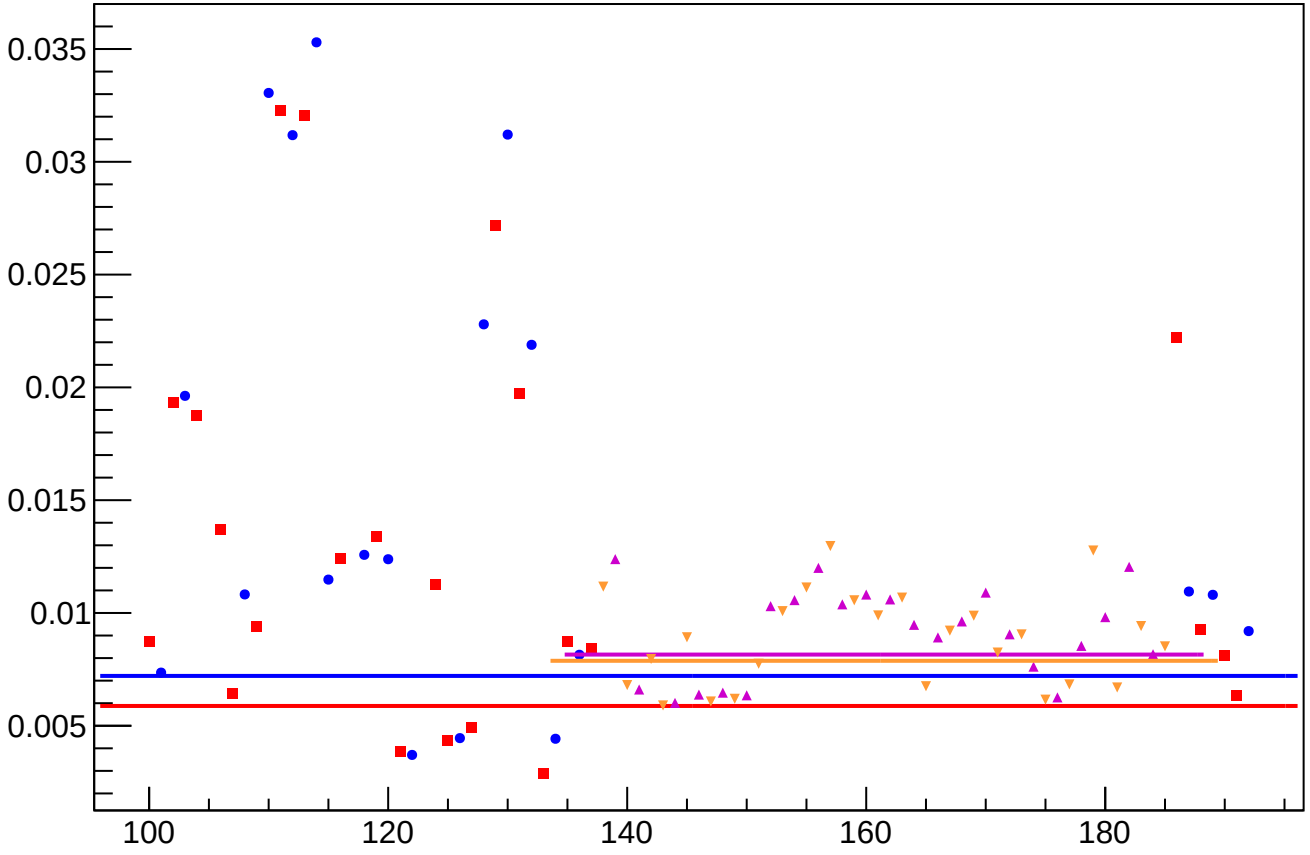
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.4/43

All: 0.000+/-0.000 χ^2/NDF: 113.3/89

- sign 0.000+/-0.000 χ^2/NDF: 40.6/45

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5057461.4/18

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

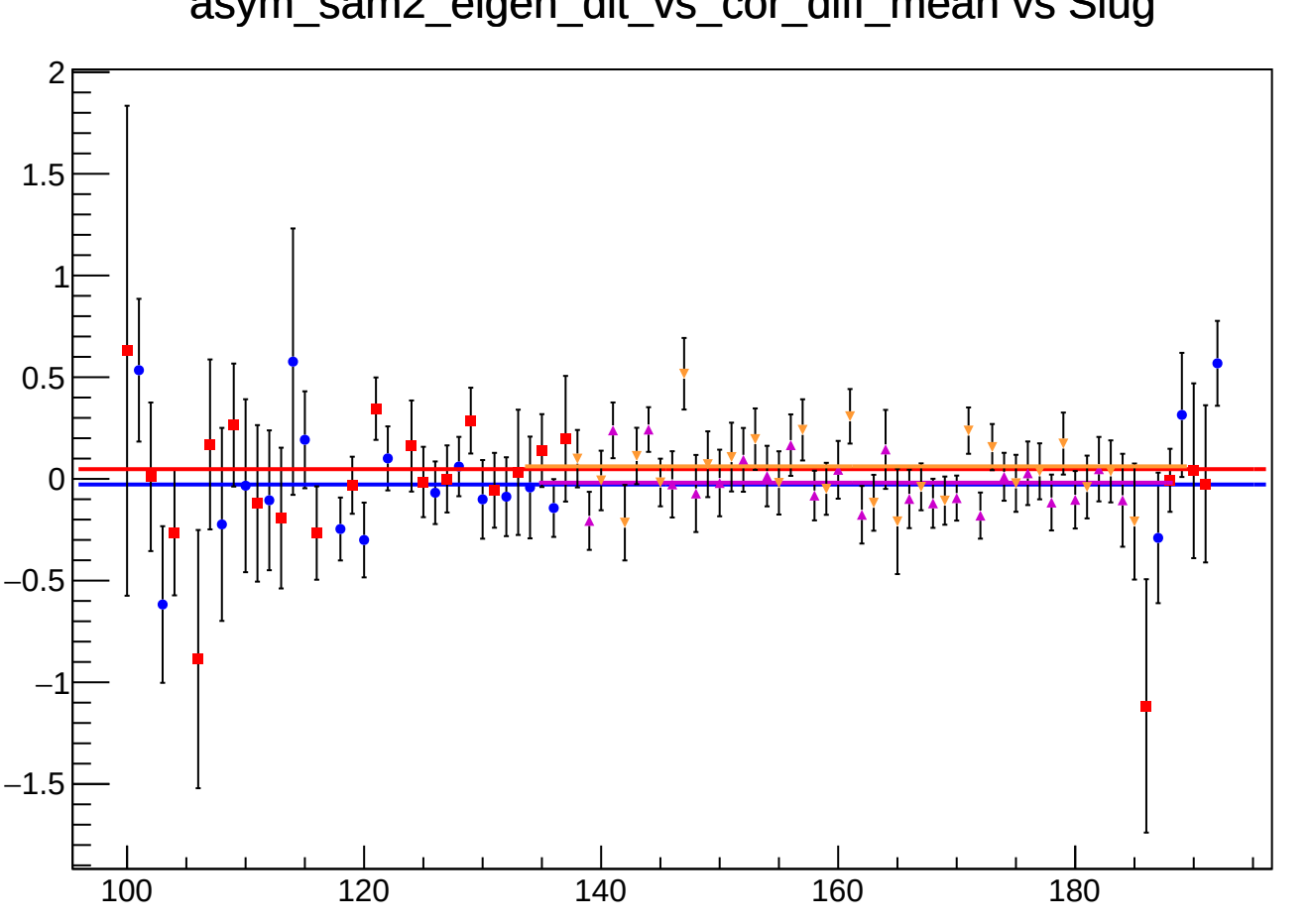
Right Out: 0.006+/-0.000 χ^2/NDF: 6366283.0/22

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7209730.1/43

All: 0.007+/-0.000 χ^2/NDF: 16740927.7/89

- sign 0.007+/-0.000 χ^2/NDF: 9447000.6/45



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

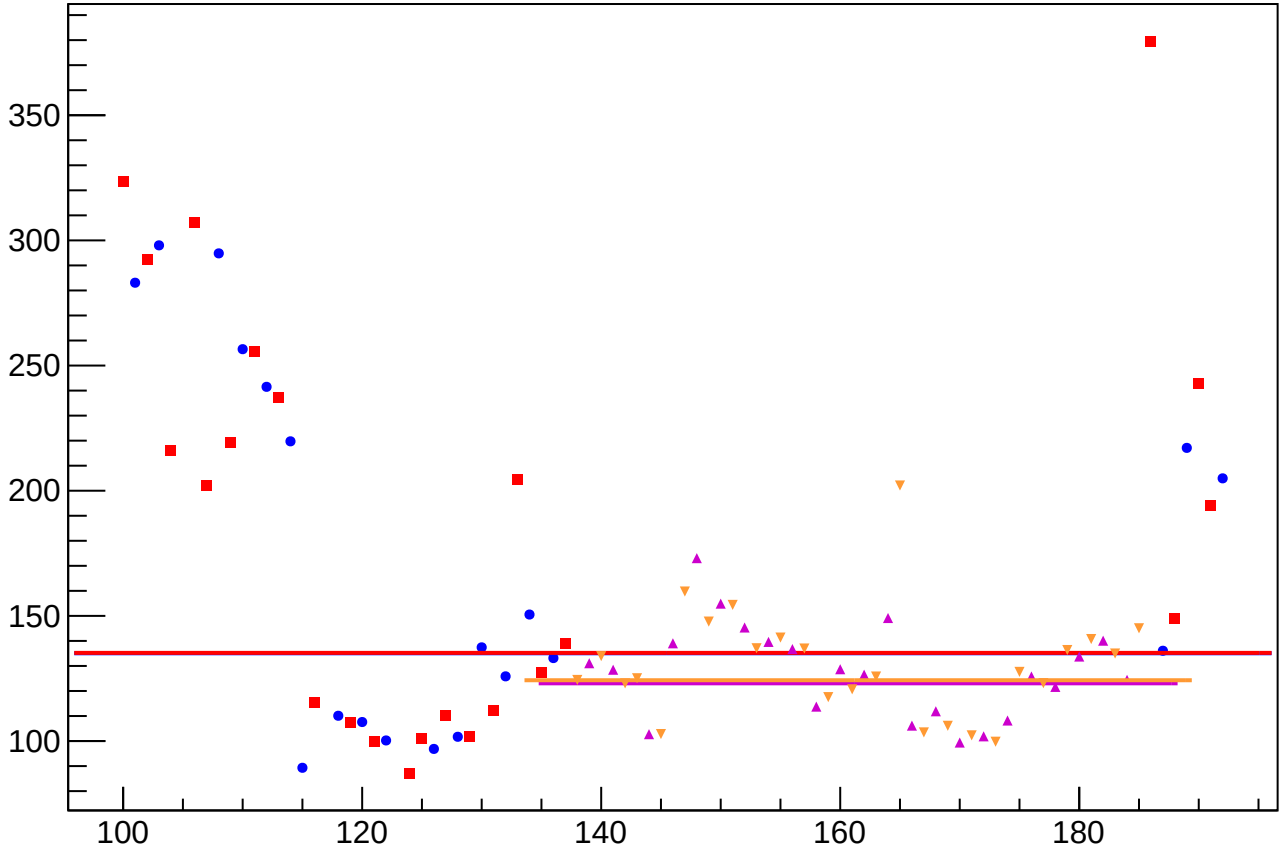
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.025 χ^2/NDF: 53.0/43

All: 0.019+/-0.018 χ^2/NDF: 93.8/89

- sign -0.001+/-0.025 χ^2/NDF: 39.5/45

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 135.066+/-0.035 χ^2/NDF: 2207333.8/18

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

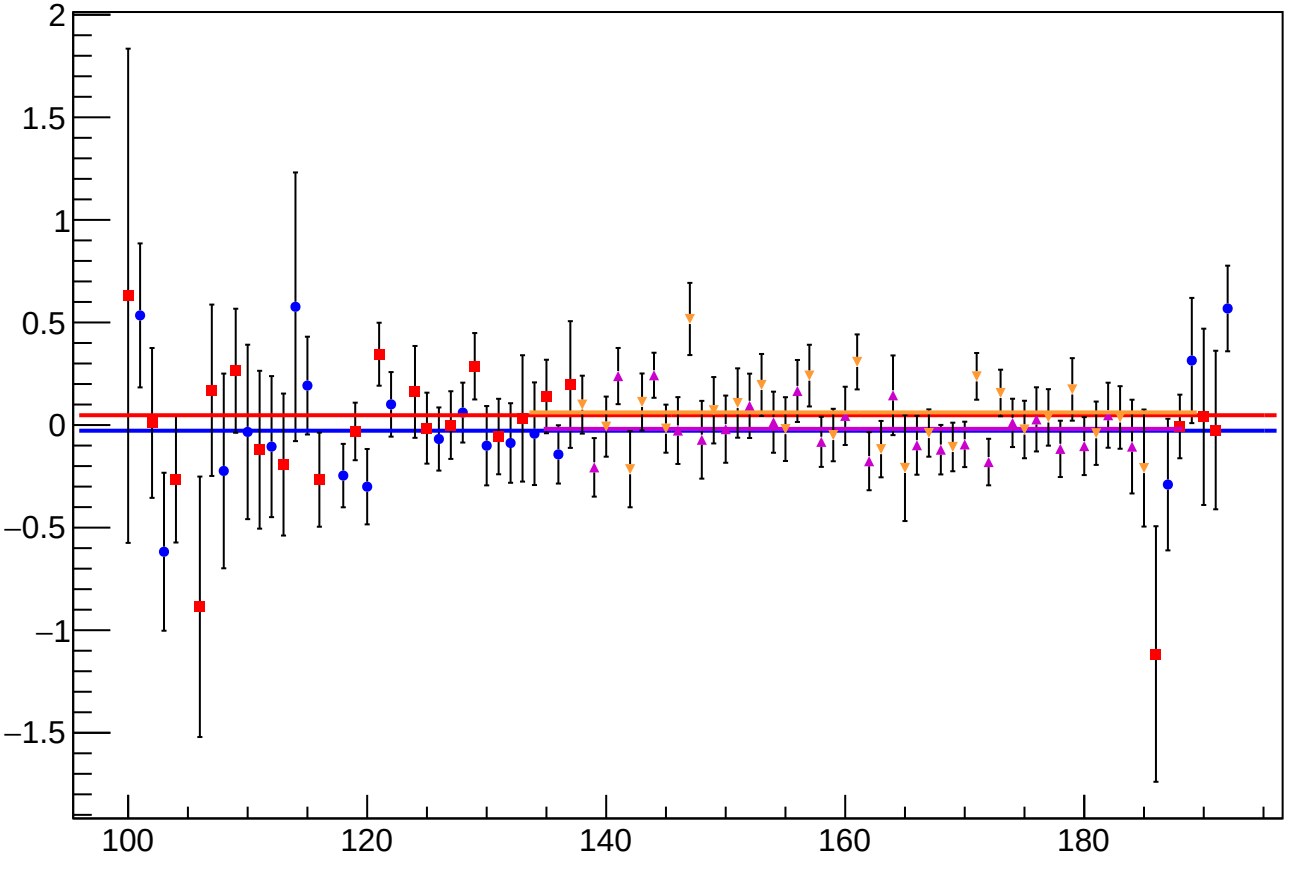
Right Out: 135.223+/-0.034 χ^2/NDF: 2409189.8/22

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 127.041+/-0.018 χ^2/NDF: 3120394.1/43

All: 126.702+/-0.012 χ^2/NDF: 6342282.6/89

- sign 126.354+/-0.018 χ^2/NDF: 3221127.6/45



Right In: -0.028+/-0.049 χ^2/NDF: 23.1/18

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

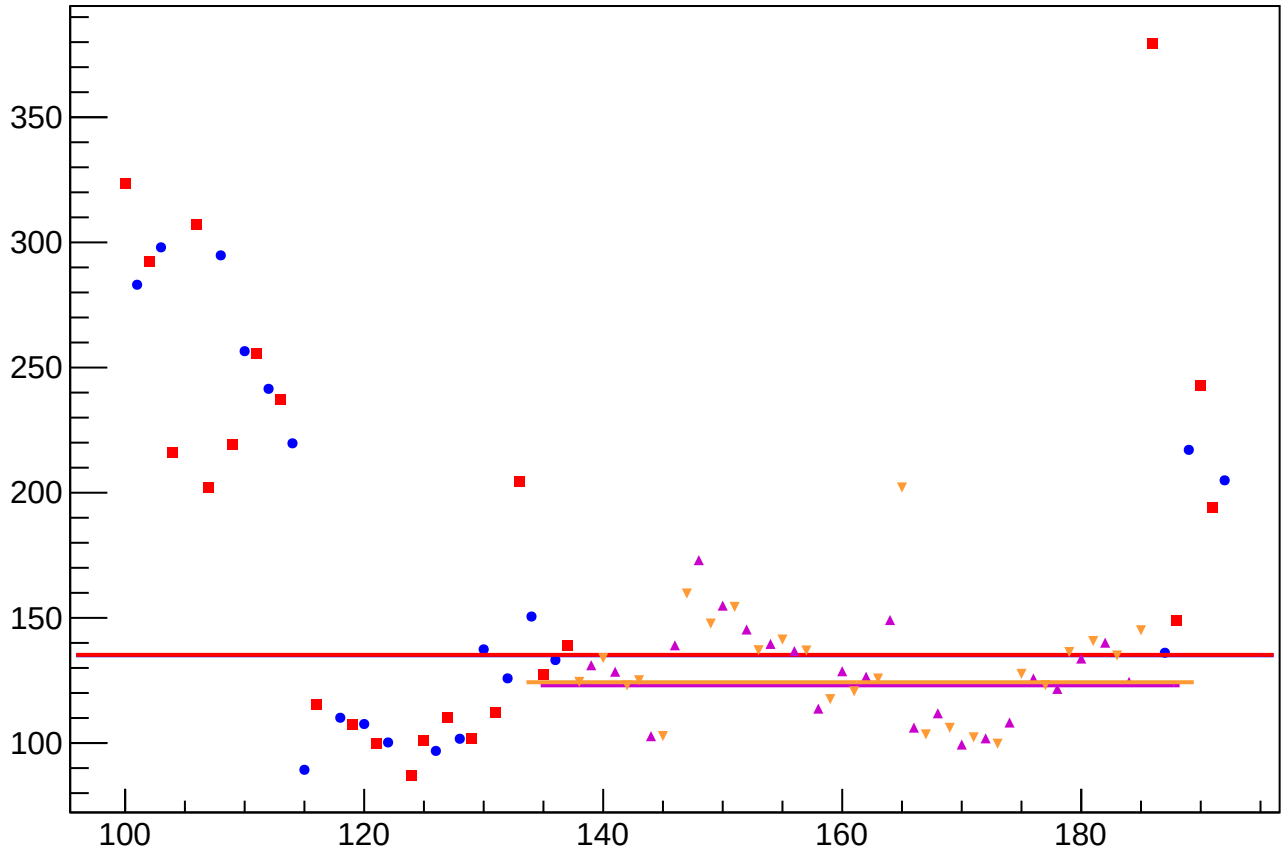
Right Out: 0.048+/-0.048 χ^2/NDF: 17.8/22

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.025 χ^2/NDF: 53.0/43

All: 0.019+/-0.018 χ^2/NDF: 93.8/89

- sign -0.001+/-0.025 χ^2/NDF: 39.5/45



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

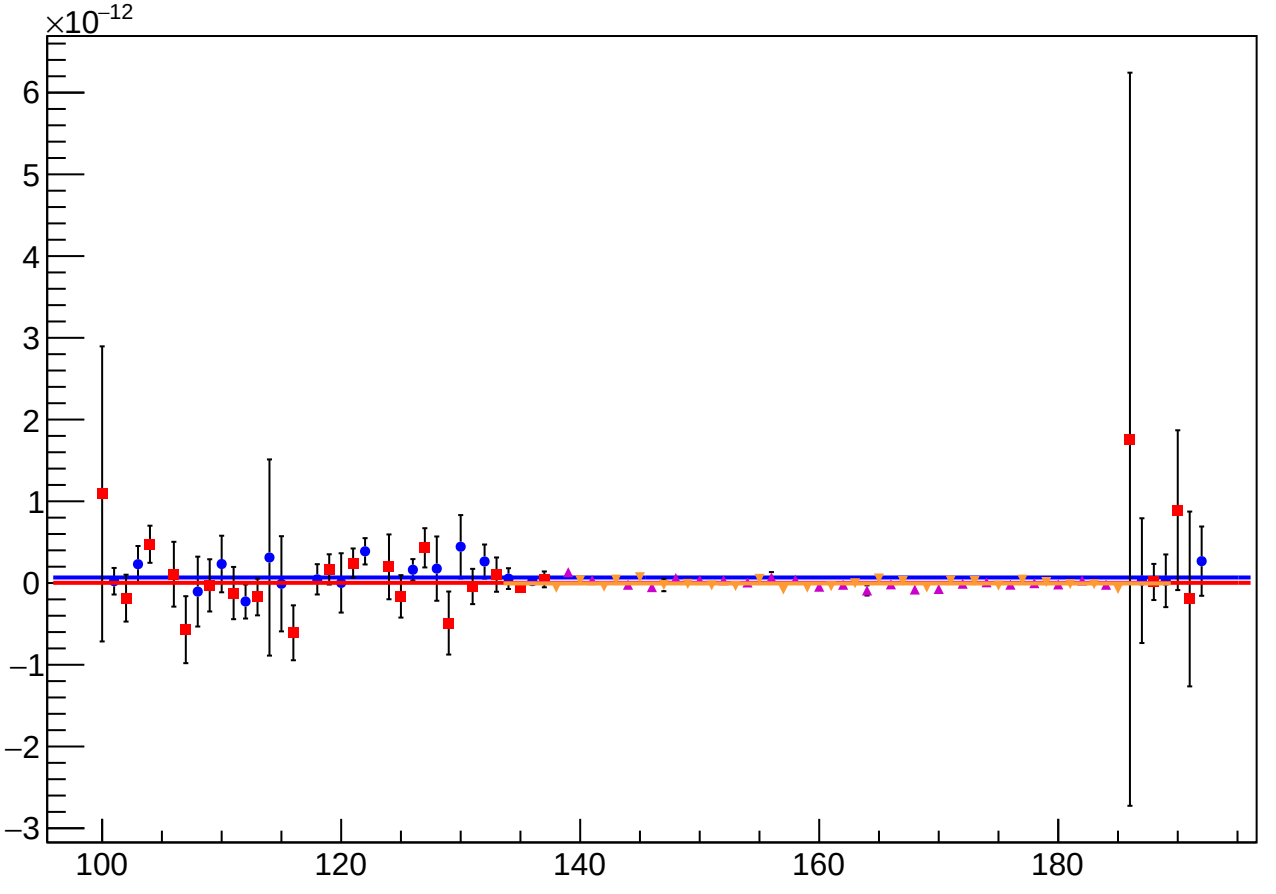
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 127.041+/-0.018 χ^2/NDF: 3120394.1/43

All: 126.702+/-0.012 χ^2/NDF: 6342282.6/89

- sign 126.354+/-0.018 χ^2/NDF: 3221127.6/45

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/22

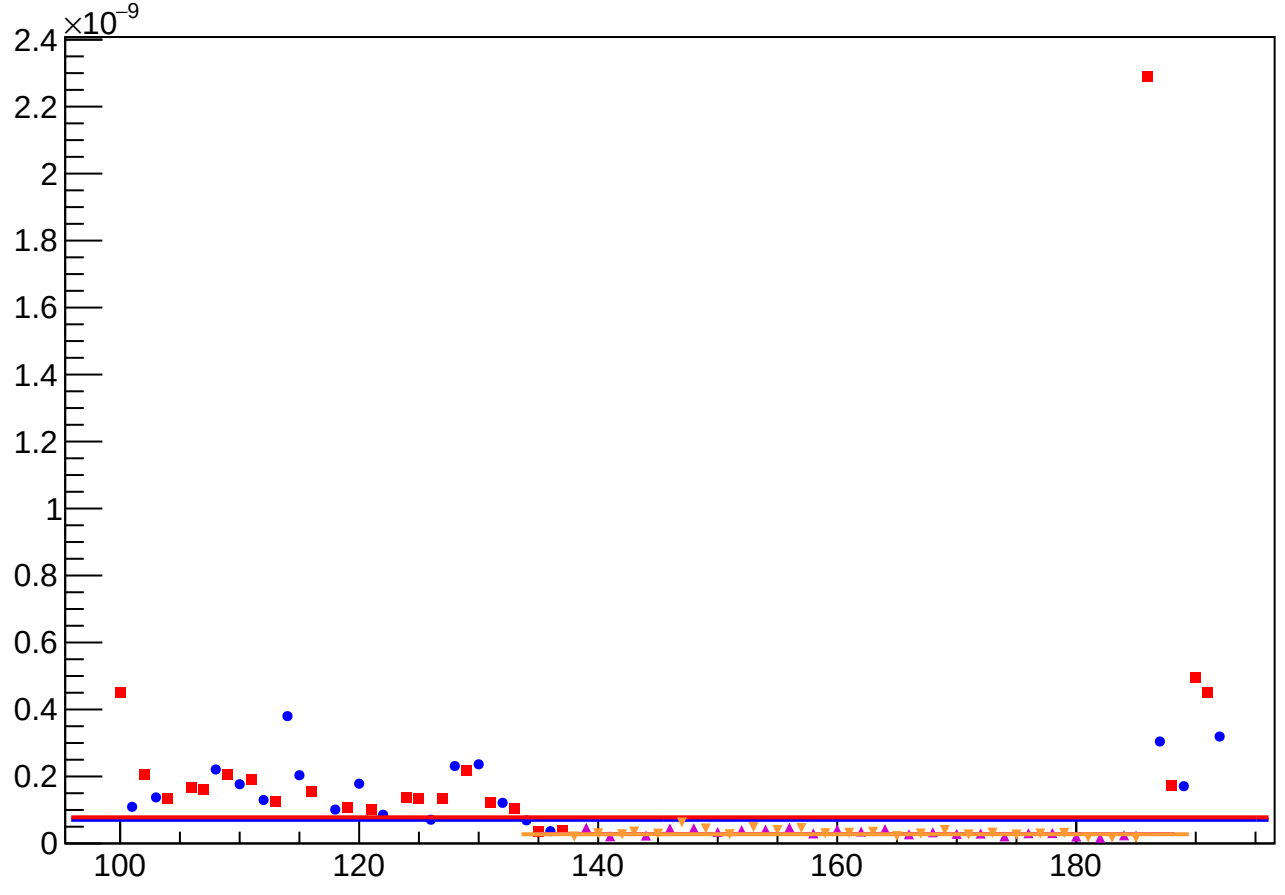
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.1/43

All: -0.000+/-0.000 χ^2/NDF: 85.4/89

- sign 0.000+/-0.000 χ^2/NDF: 46.3/45

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



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

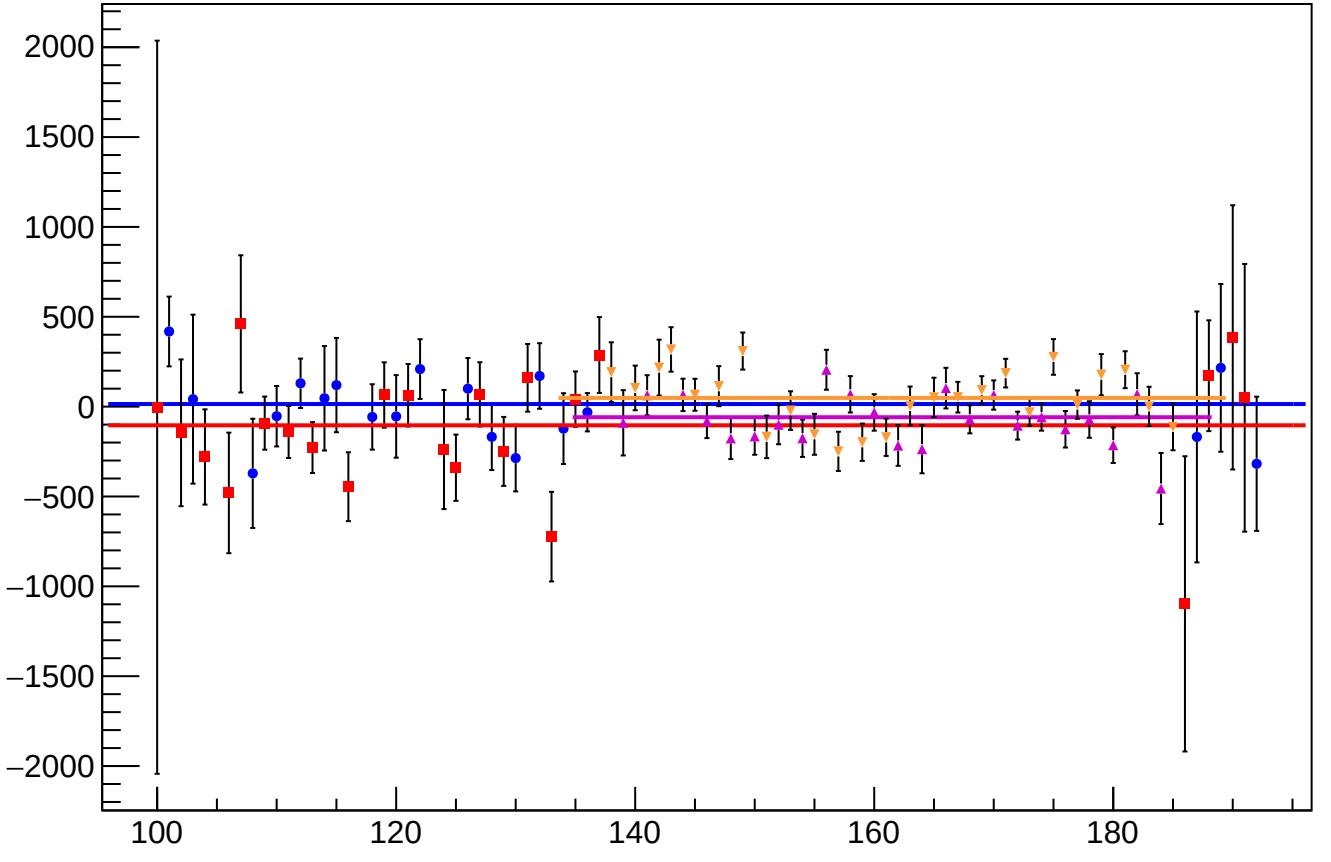
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9445025.2/43

All: 0.000+/-0.000 χ^2/NDF: 19947109.0/89

- sign 0.000+/-0.000 χ^2/NDF: 10489163.1/45

reg_asym_sam3_mean vs Slug



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

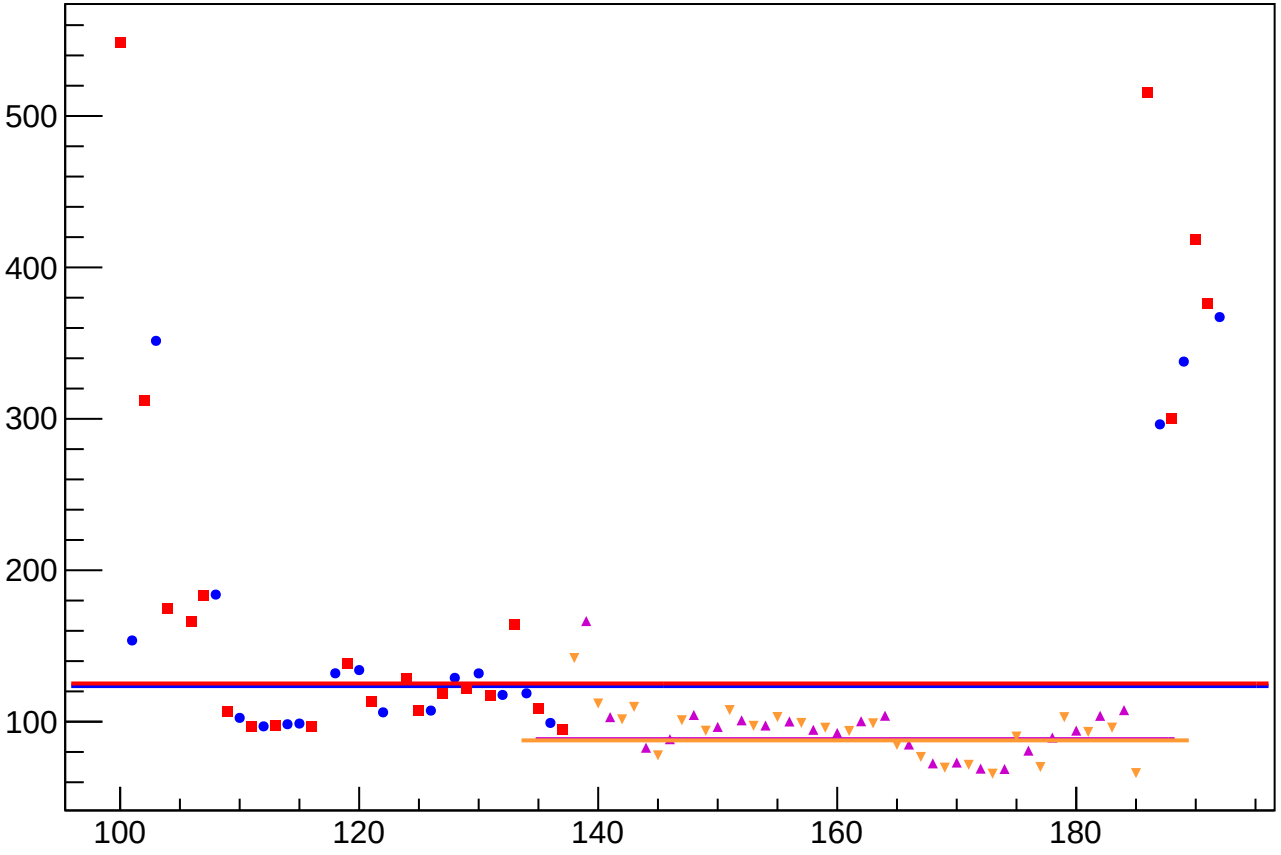
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 42.594+/-18.601 χ^2/NDF: 68.9/43

All: -10.662+/-13.344 χ^2/NDF: 145.5/89

- sign -67.121+/-19.153 χ^2/NDF: 59.7/45

reg_asym_sam3_rms vs Slug



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

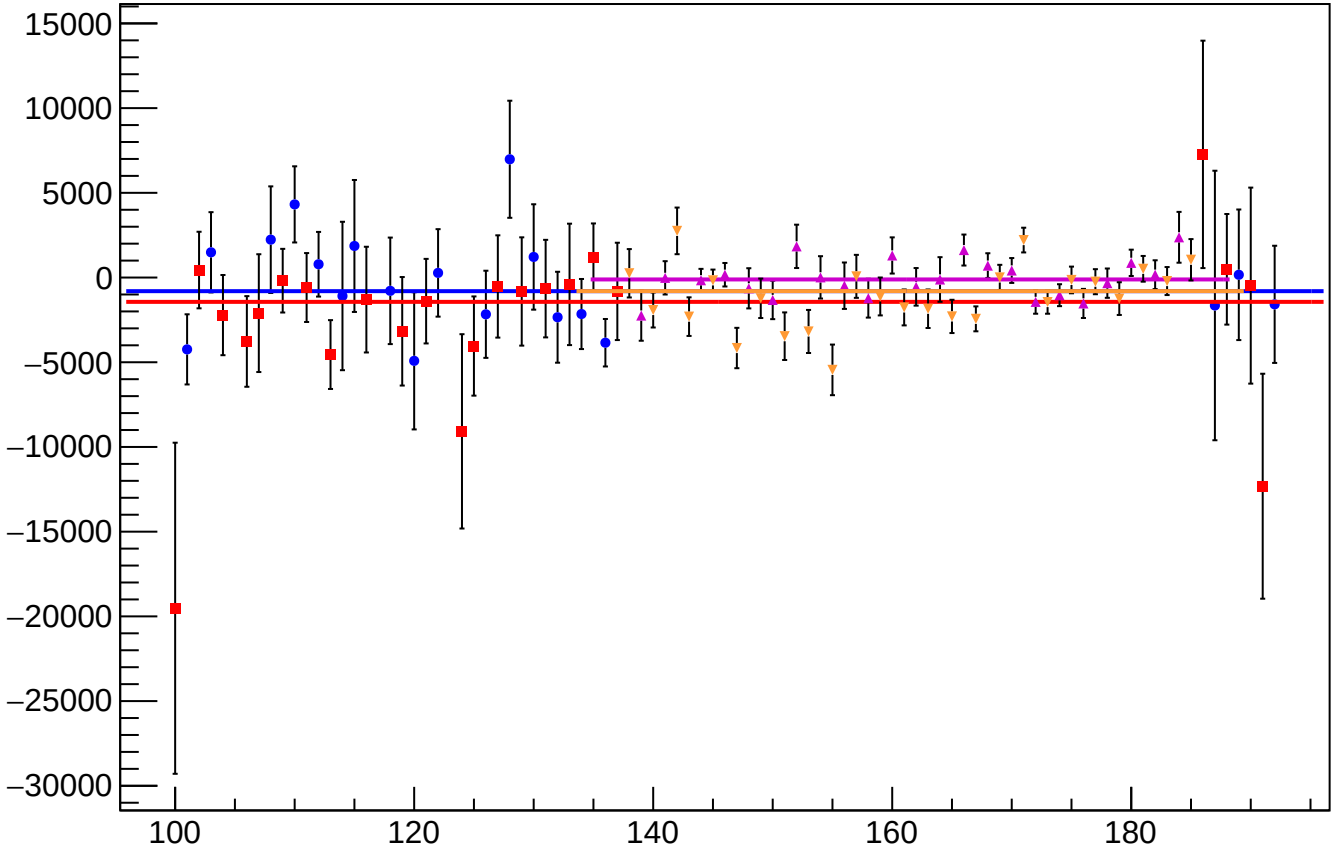
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

\+ sign 93.766+/-0.013 χ^2/NDF: 4557942.9/43

All: 94.420+/-0.009 χ^2/NDF: 9409056.9/89

\- sign 95.113+/-0.014 χ^2/NDF: 4846026.3/45

asym_sam3_reg_correction_mean vs Slug



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

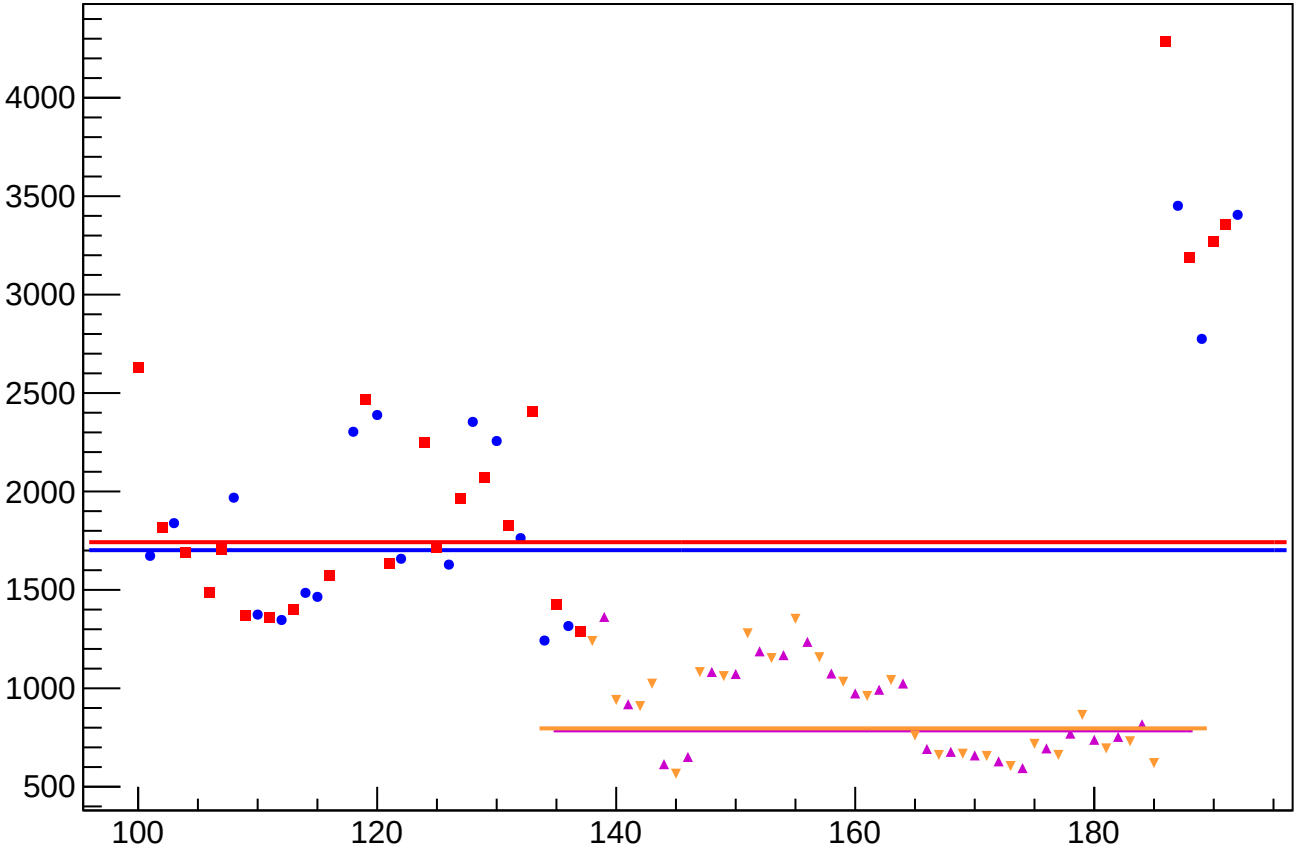
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -801.745+/-179.117 χ^2/NDF: 95.5/43

All: -521.869+/-127.390 χ^2/NDF: 149.6/89

- sign -235.395+/-181.216 χ^2/NDF: 49.2/45

asym_sam3_reg_correction_rms vs Slug



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

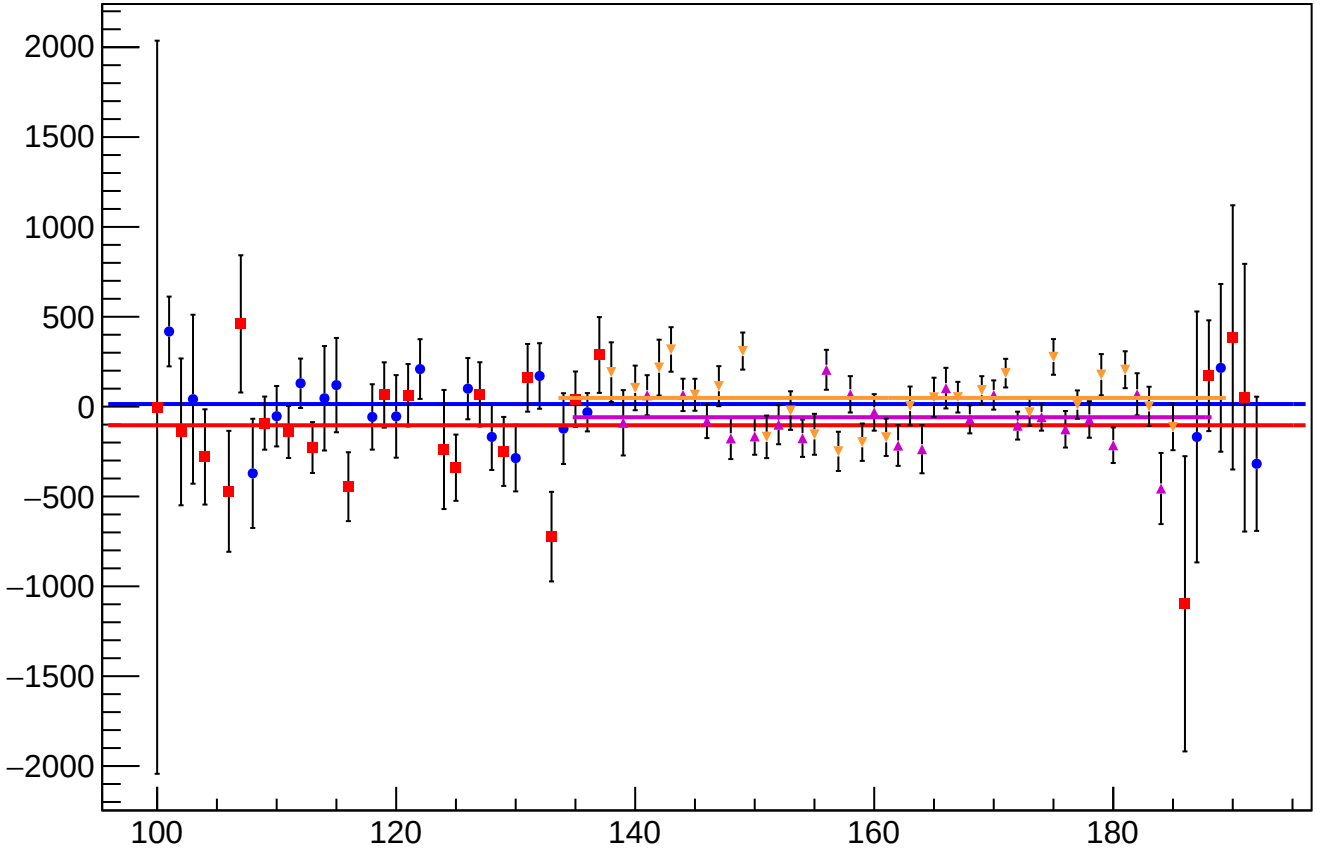
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 877.902+/-0.127 χ^2/NDF: 7998233.5/43

All: 876.545+/-0.090 χ^2/NDF: 16360578.5/89

- sign 875.156+/-0.128 χ^2/NDF: 8362112.7/45

cor_asym_sam3_mean vs Slug



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

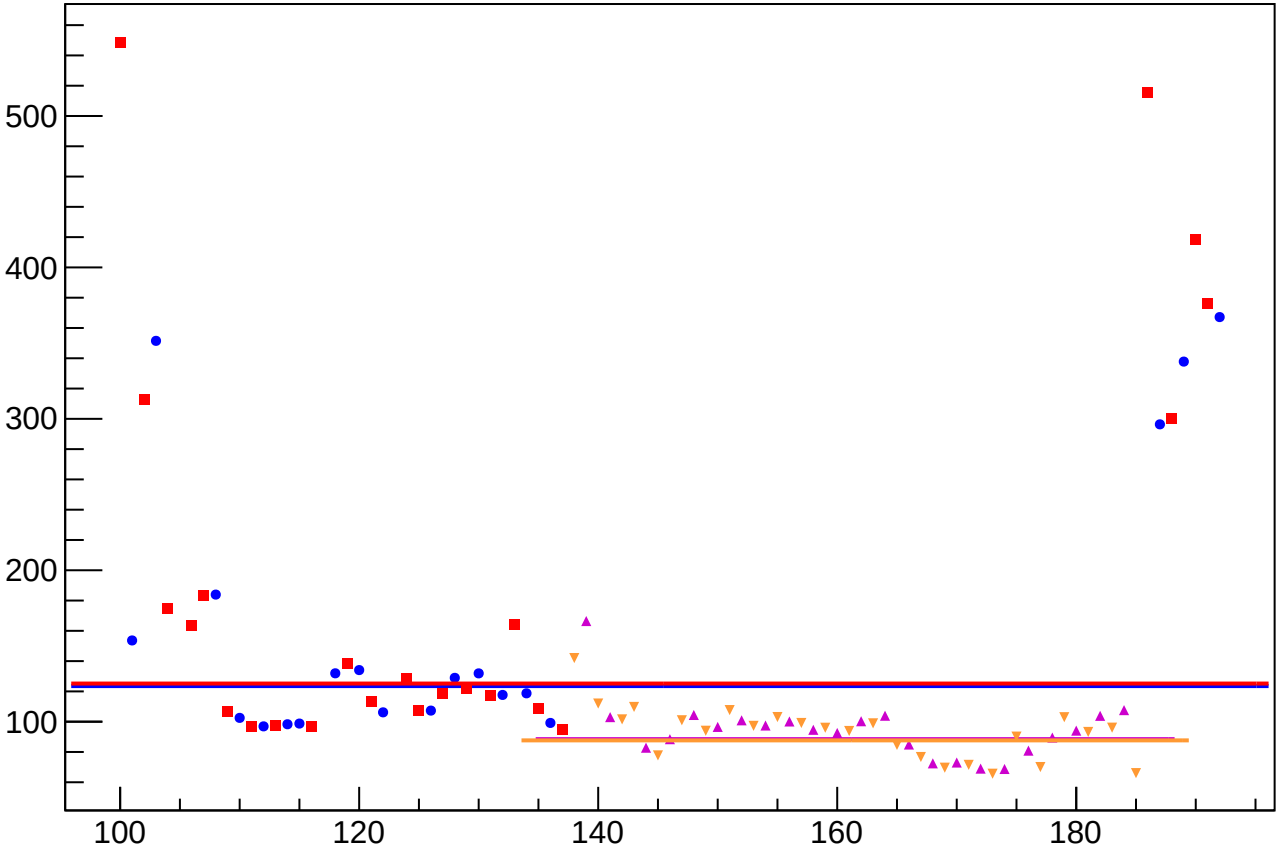
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 42.597+/-18.601 χ^2/NDF: 68.9/43

All: -10.636+/-13.344 χ^2/NDF: 145.4/89

- sign -67.072+/-19.153 χ^2/NDF: 59.6/45

cor_asym_sam3_rms vs Slug



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

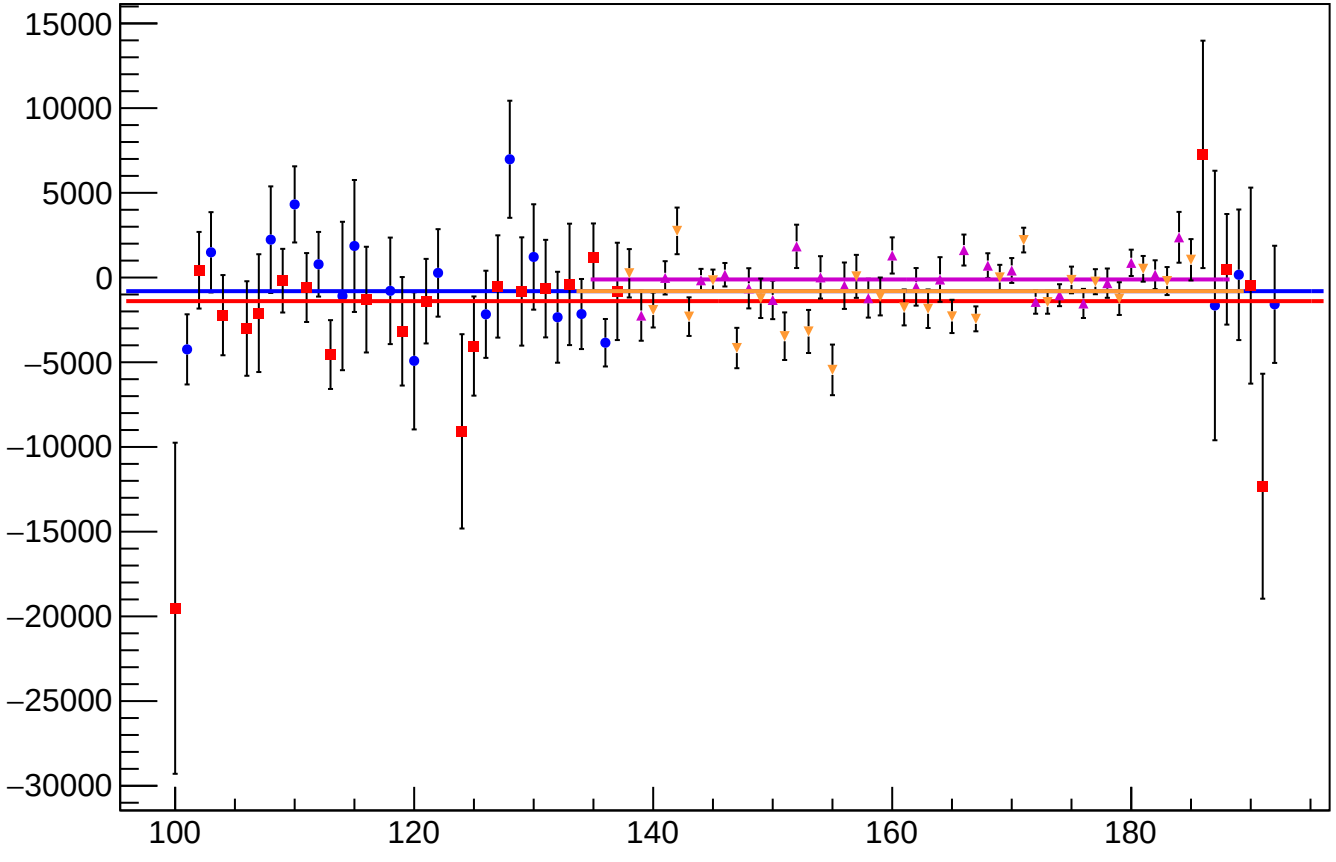
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 93.766+/-0.013 χ^2/NDF: 4557944.4/43

All: 94.415+/-0.009 χ^2/NDF: 9402465.3/89

- sign 95.103+/-0.014 χ^2/NDF: 4839505.3/45

asym_sam3_cor_correction_mean vs Slug



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

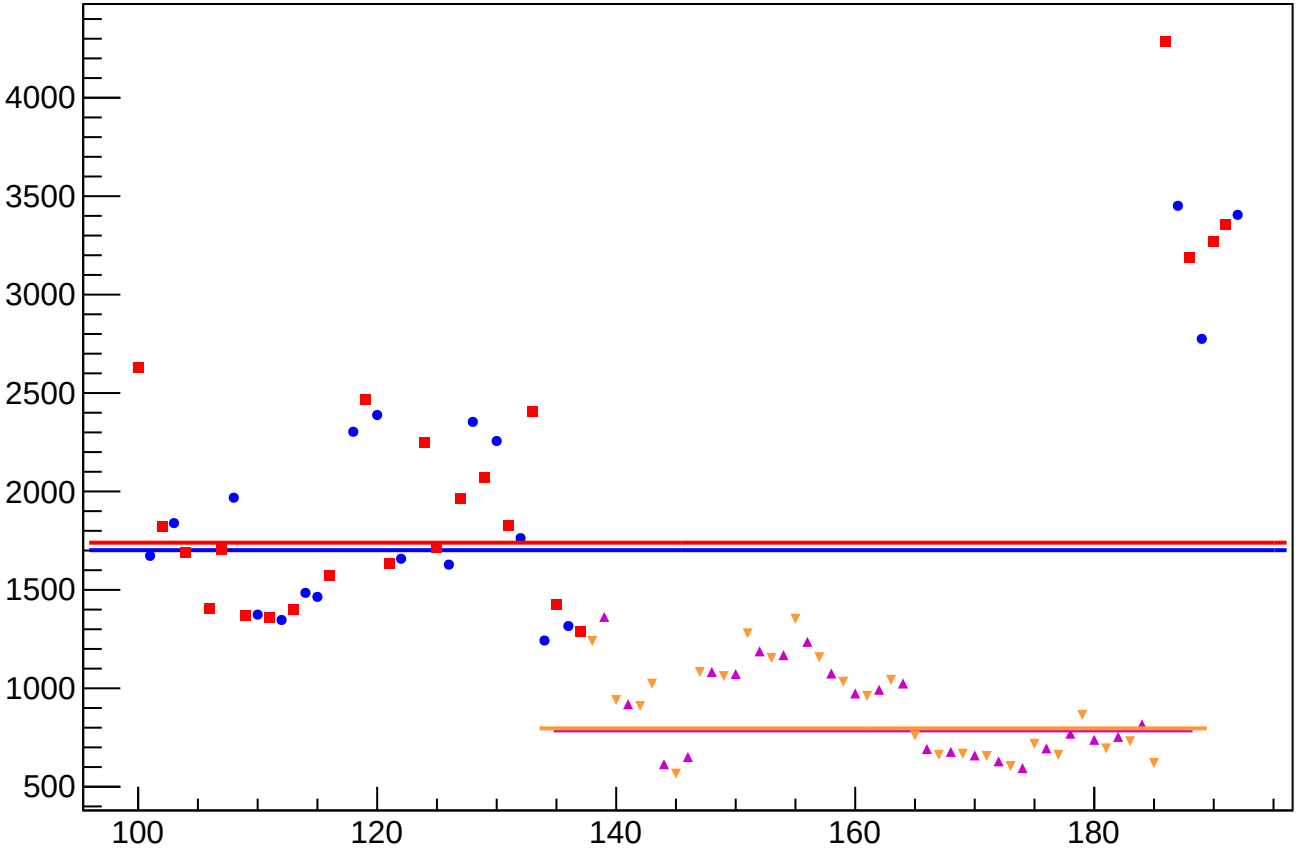
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.737+/-179.117 χ^2/NDF: 95.5/43

All: -519.727+/-127.403 χ^2/NDF: 148.9/89

- sign -230.958+/-181.251 χ^2/NDF: 48.5/45

asym_sam3_cor_correction_rms vs Slug



Right In: 1701.766+/-0.422 χ^2/NDF: 1400975.6/18

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

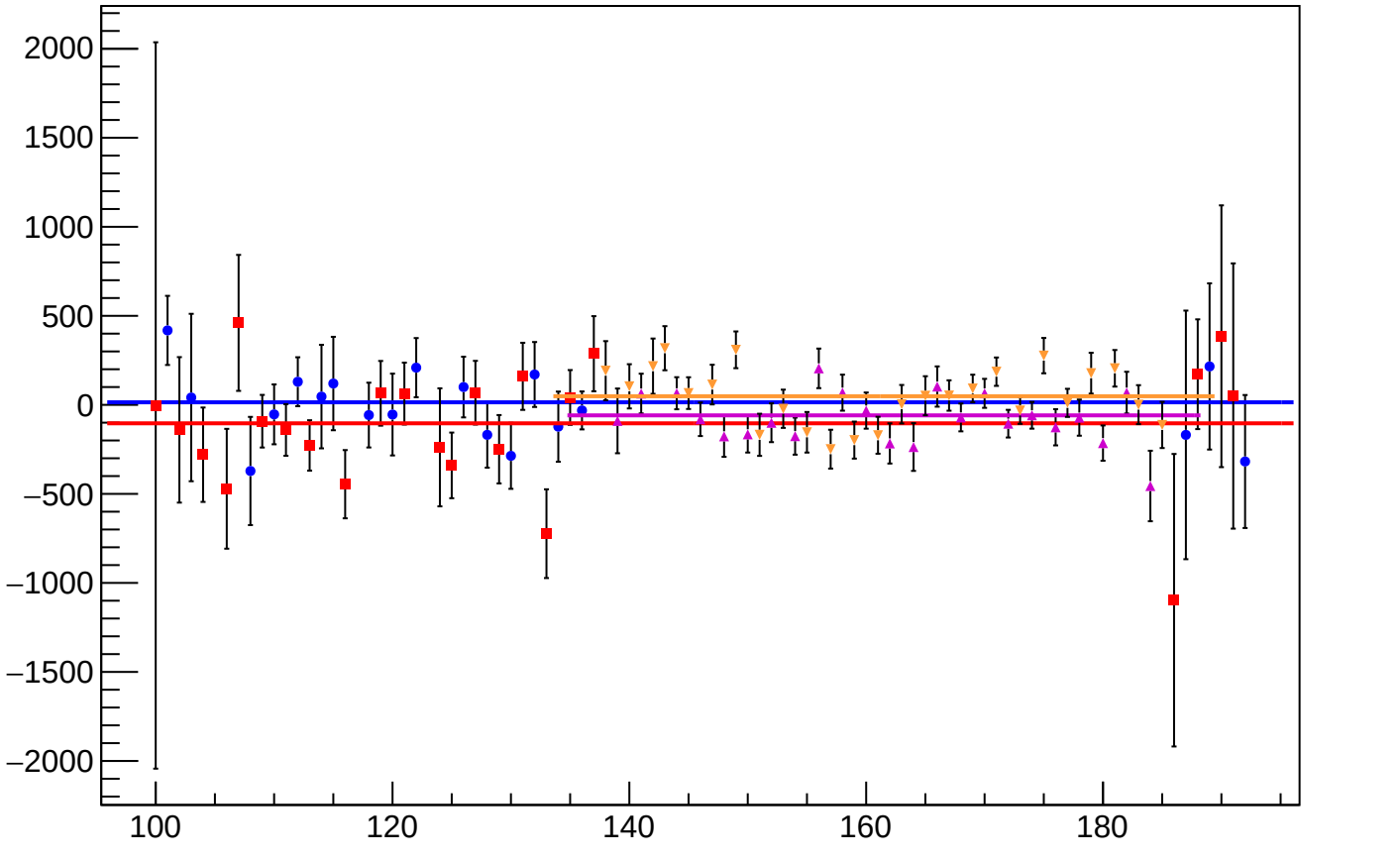
Right Out: 1739.825+/-0.421 χ^2/NDF: 1525150.2/22

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 877.902+/-0.127 χ^2/NDF: 7998292.6/43

All: 876.263+/-0.090 χ^2/NDF: 16328942.7/89

- sign 874.585+/-0.128 χ^2/NDF: 8330311.4/45



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

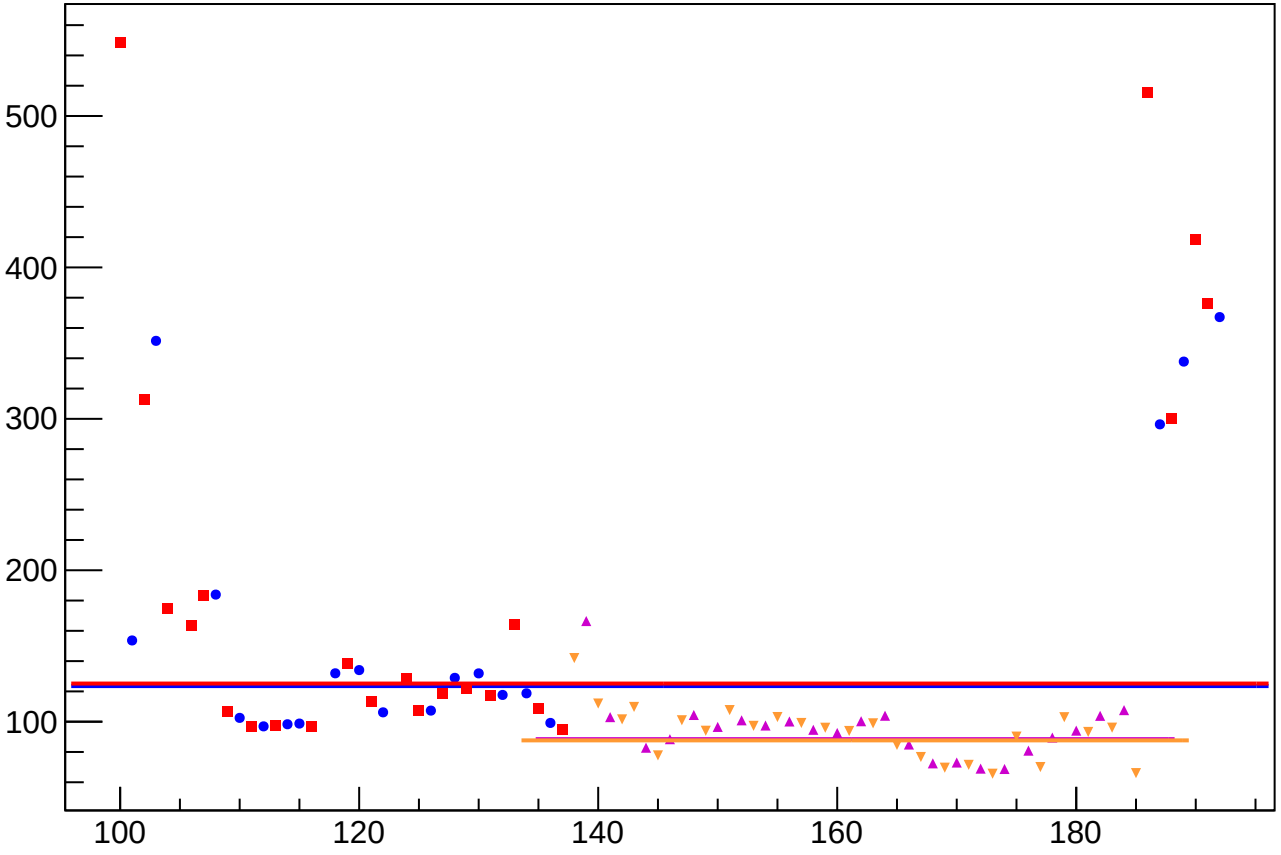
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 42.597+/-18.601 χ^2/NDF: 68.9/43

All: -10.636+/-13.344 χ^2/NDF: 145.4/89

- sign -67.072+/-19.153 χ^2/NDF: 59.6/45

eigen_cor_asym_sam3_rms vs Slug



Right In: 123.509+/-0.032 χ^2/NDF: 2294197.1/18

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

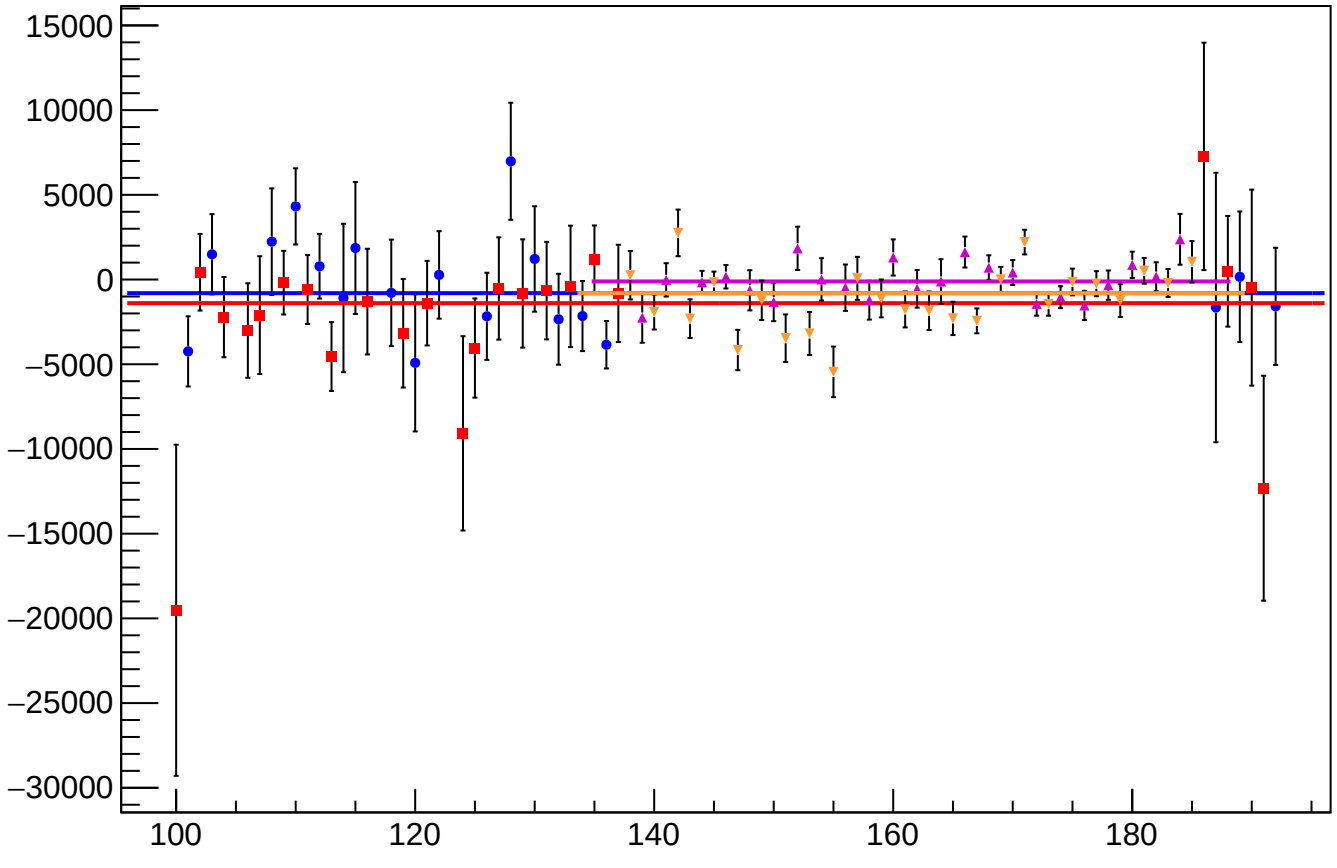
Right Out: 125.181+/-0.032 χ^2/NDF: 2678102.8/22

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 93.766+/-0.013 χ^2/NDF: 4557944.4/43

All: 94.415+/-0.009 χ^2/NDF: 9402465.3/89

- sign 95.103+/-0.014 χ^2/NDF: 4839505.3/45



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

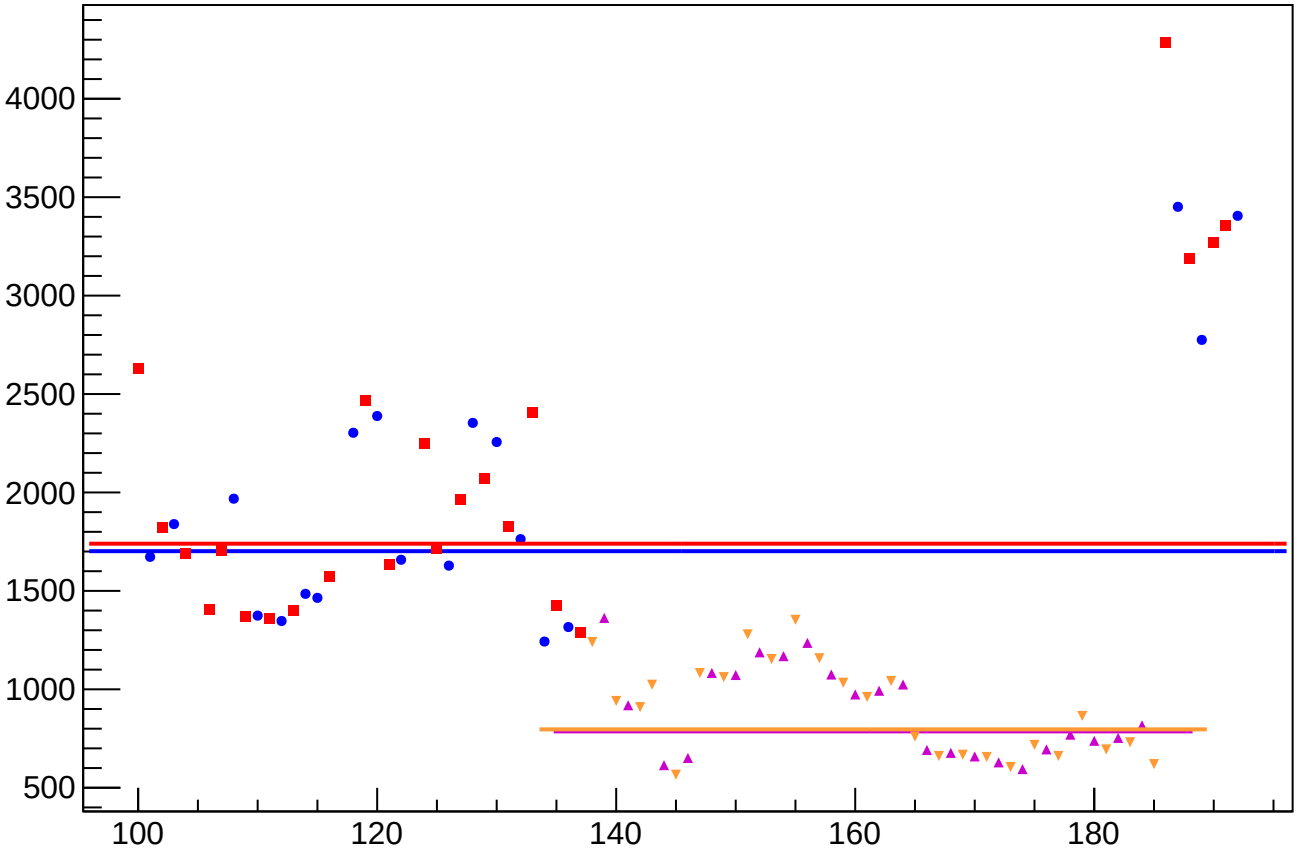
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.737+/-179.117 χ^2/NDF: 95.5/43

All: -519.727+/-127.403 χ^2/NDF: 148.9/89

- sign -230.958+/-181.251 χ^2/NDF: 48.5/45

asym_sam3_eigen_cor_correction_rms vs Slug



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

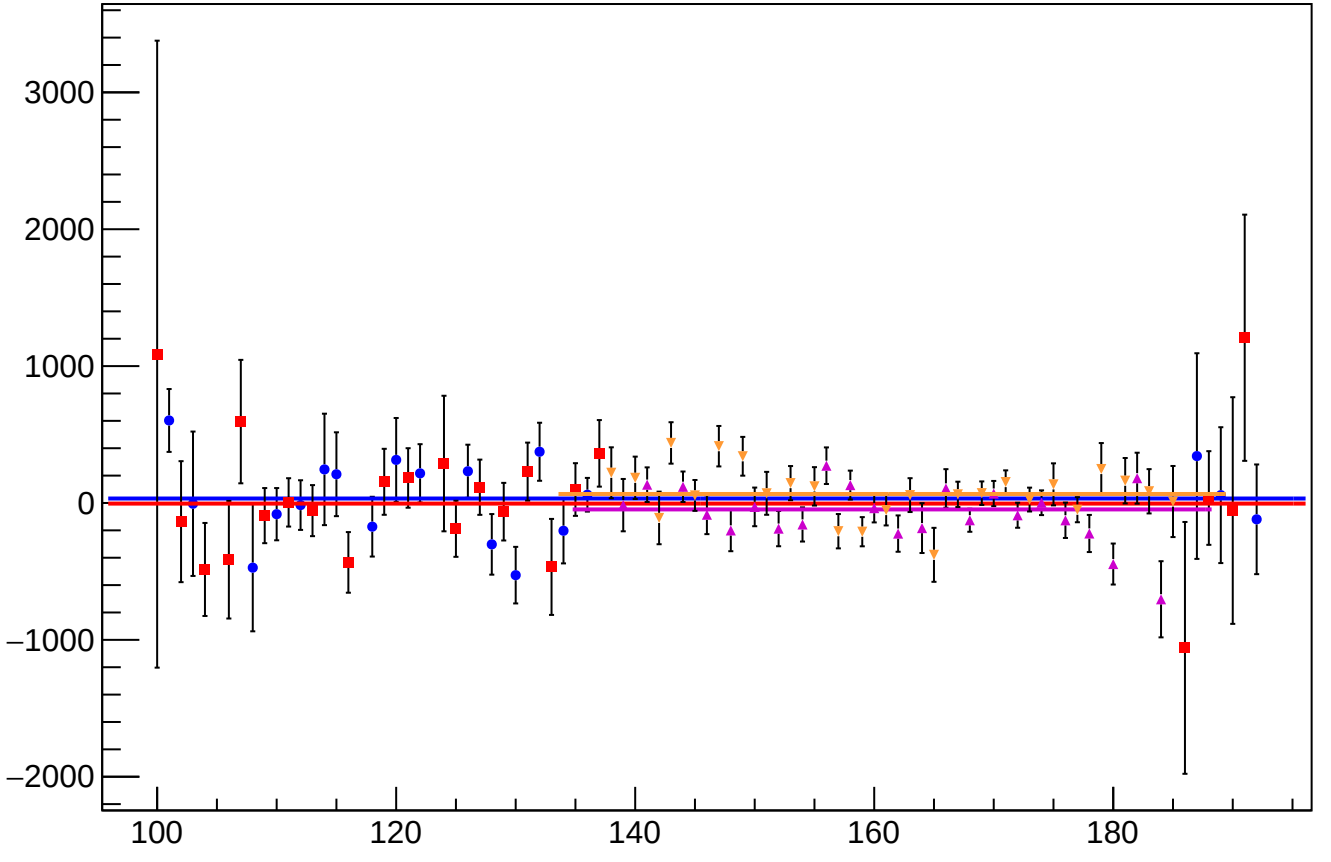
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 877.902+/-0.127 χ^2/NDF: 7998292.6/43

All: 876.263+/-0.090 χ^2/NDF: 16328942.7/89

- sign 874.585+/-0.128 χ^2/NDF: 8330311.4/45

dit_asym_sam3_mean vs Slug



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

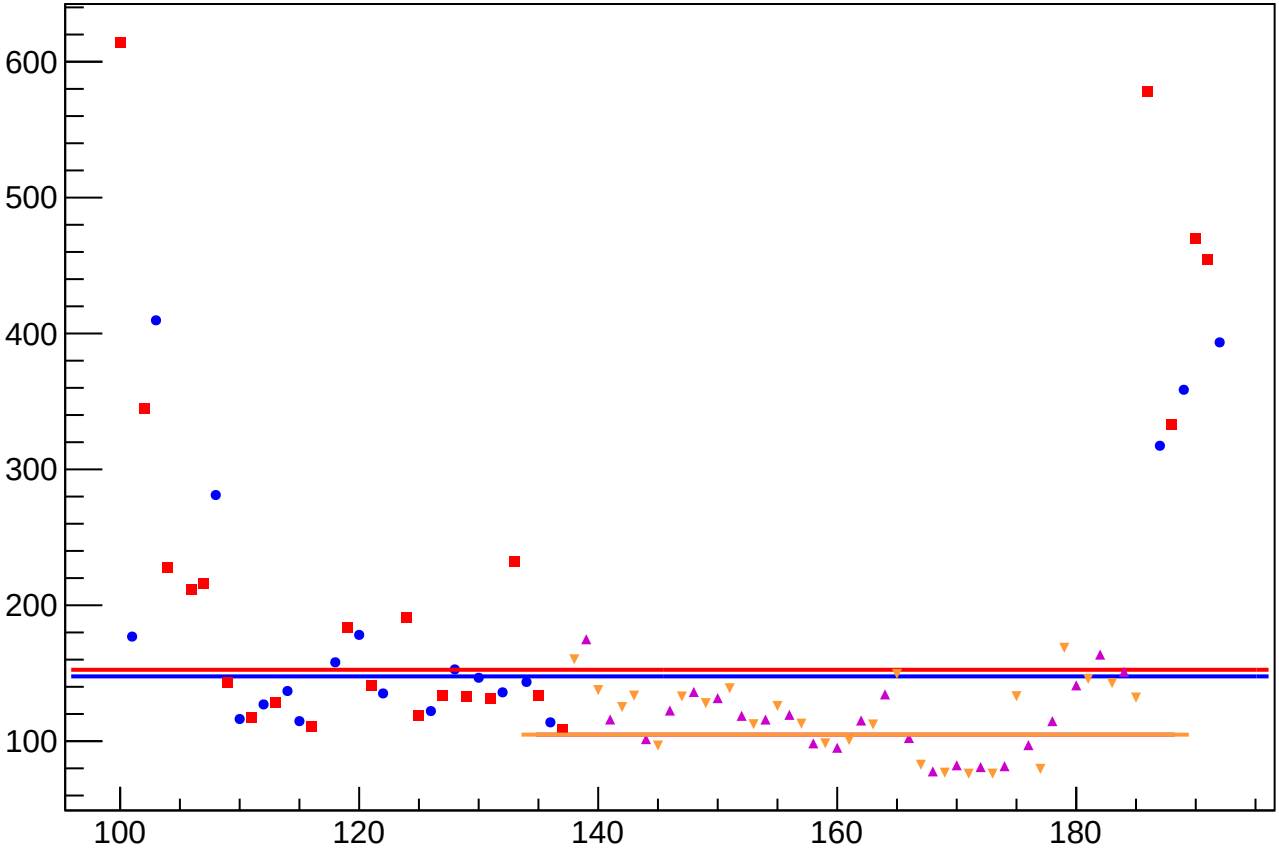
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 59.821+/-22.726 χ^2/NDF: 65.8/43

All: 11.404+/-16.263 χ^2/NDF: 134.7/89

- sign -39.414+/-23.283 χ^2/NDF: 59.6/45

dit_asym_sam3_rms vs Slug



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

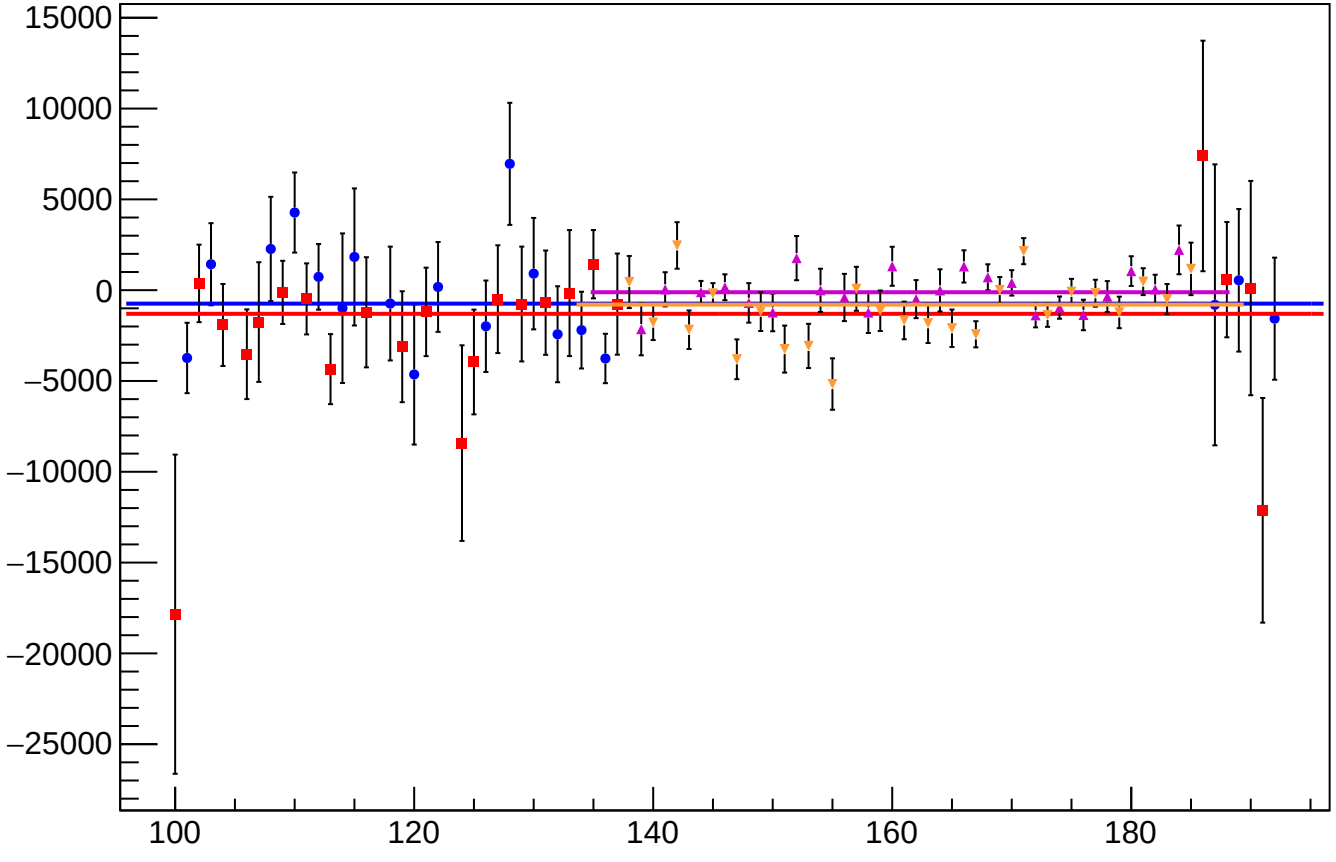
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 112.419+/-0.016 χ^2/NDF: 5517483.0/43

All: 112.886+/-0.011 χ^2/NDF: 11040972.6/89

- sign 113.376+/-0.016 χ^2/NDF: 5521759.6/45

asym_sam3_dit_correction_mean vs Slug



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

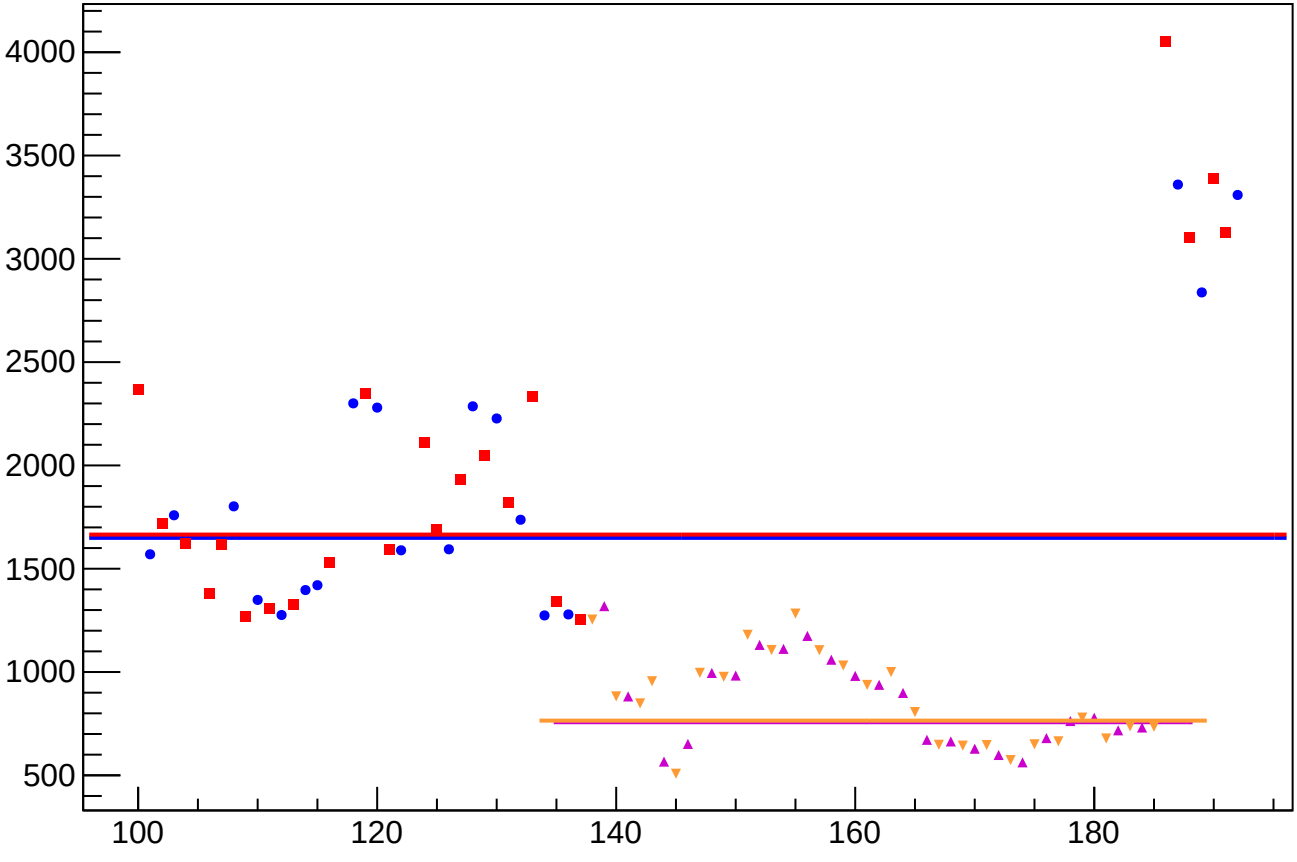
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -788.524+/-171.785 χ^2/NDF: 93.7/43

All: -511.082+/-122.353 χ^2/NDF: 148.1/89

- sign -225.426+/-174.309 χ^2/NDF: 49.1/45

asym_sam3_dit_correction_rms vs Slug



Right In: 1649.393+/-0.409 χ^2/NDF: 1418047.3/18

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1665.246+/-0.402 χ^2/NDF: 1597799.3/22

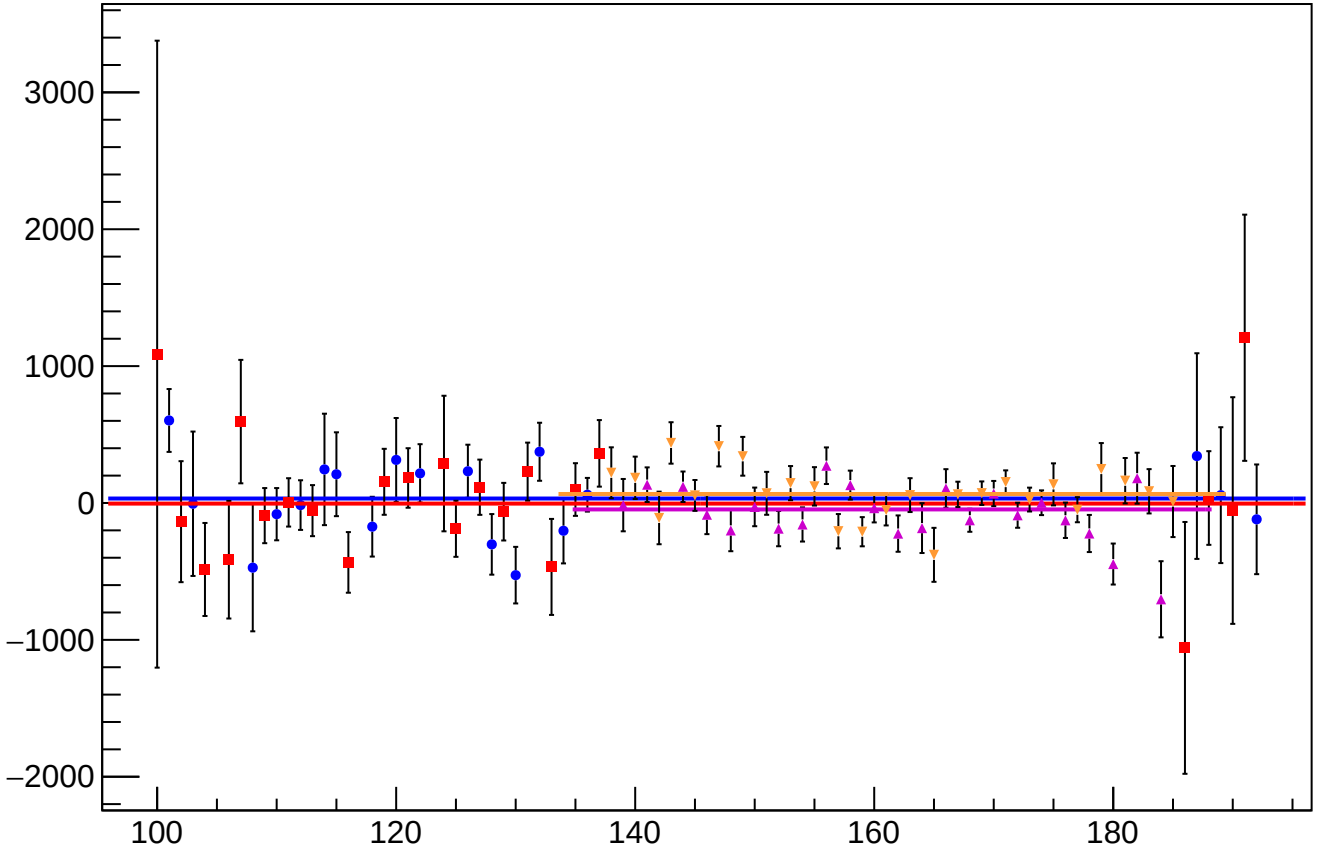
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 842.716+/-0.121 χ^2/NDF: 8106977.2/43

All: 842.503+/-0.087 χ^2/NDF: 16443996.1/89

- sign 842.284+/-0.123 χ^2/NDF: 8337012.6/45

eigen_dit_asym_sam3_mean vs Slug



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

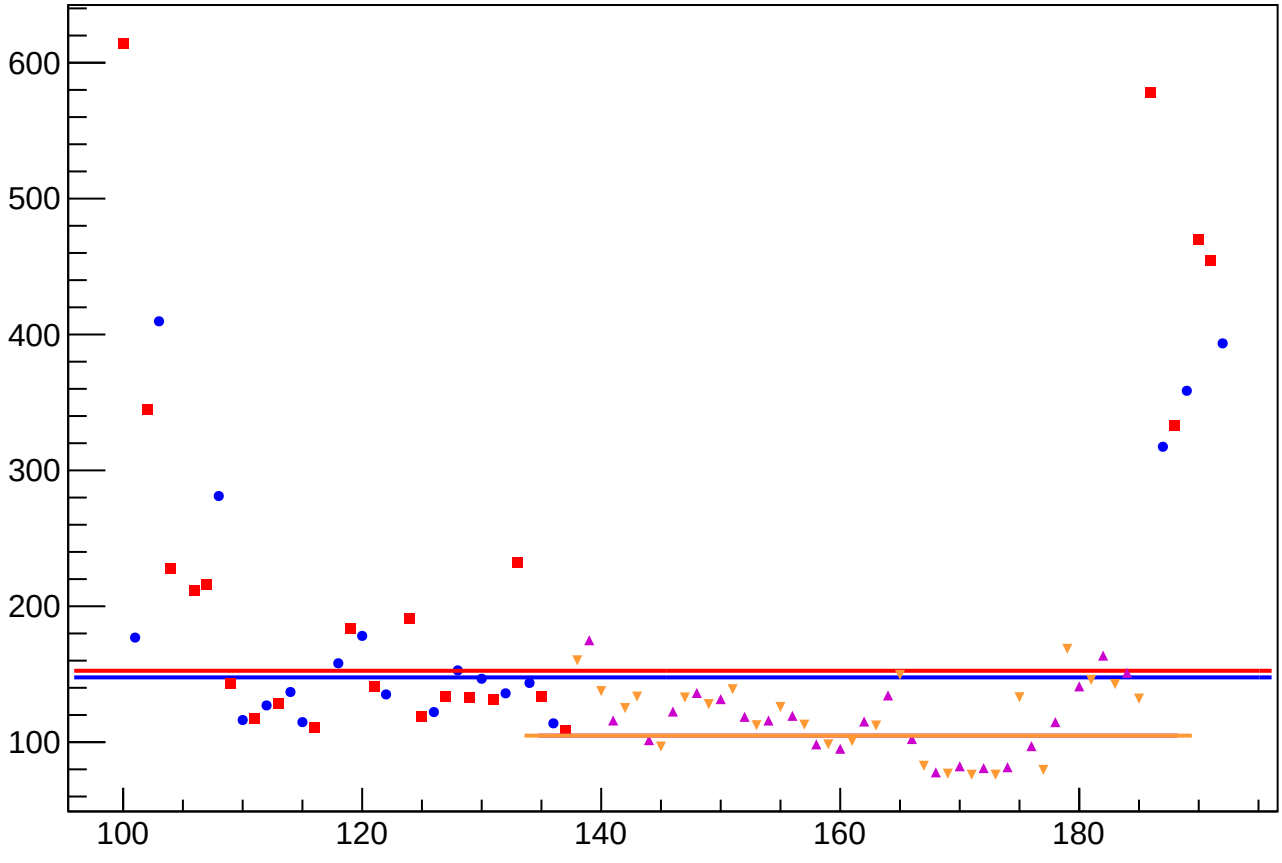
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 59.821+/-22.726 χ^2/NDF: 65.8/43

All: 11.405+/-16.263 χ^2/NDF: 134.7/89

- sign -39.412+/-23.283 χ^2/NDF: 59.6/45

eigen_dit_asym_sam3_rms vs Slug



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

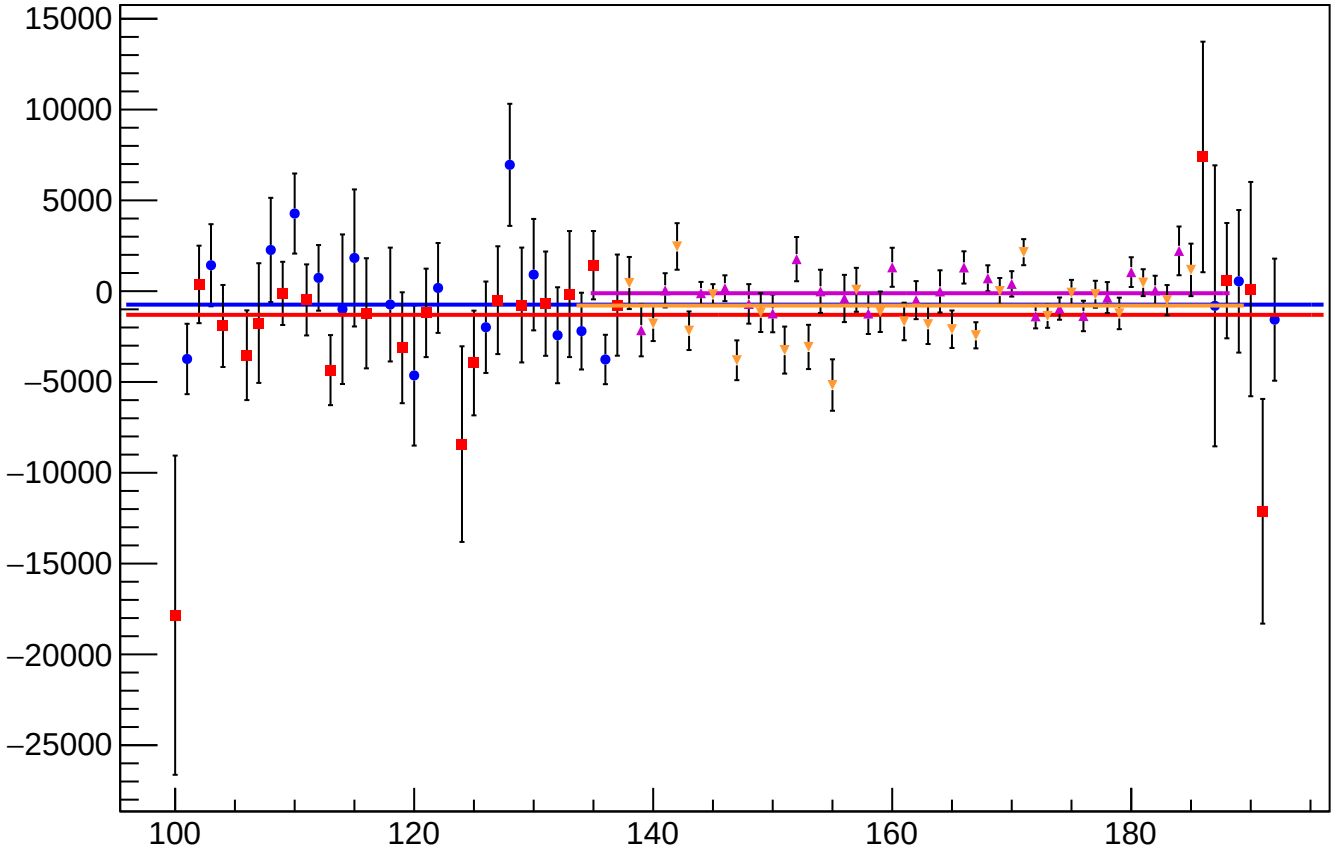
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 112.420+/-0.016 χ^2/NDF: 5517500.1/43

All: 112.886+/-0.011 χ^2/NDF: 11041007.0/89

- sign 113.376+/-0.016 χ^2/NDF: 5521777.0/45

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -741.496+/-578.596 χ^2/NDF: 23.6/18

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1302.814+/-568.615 χ^2/NDF: 18.9/22

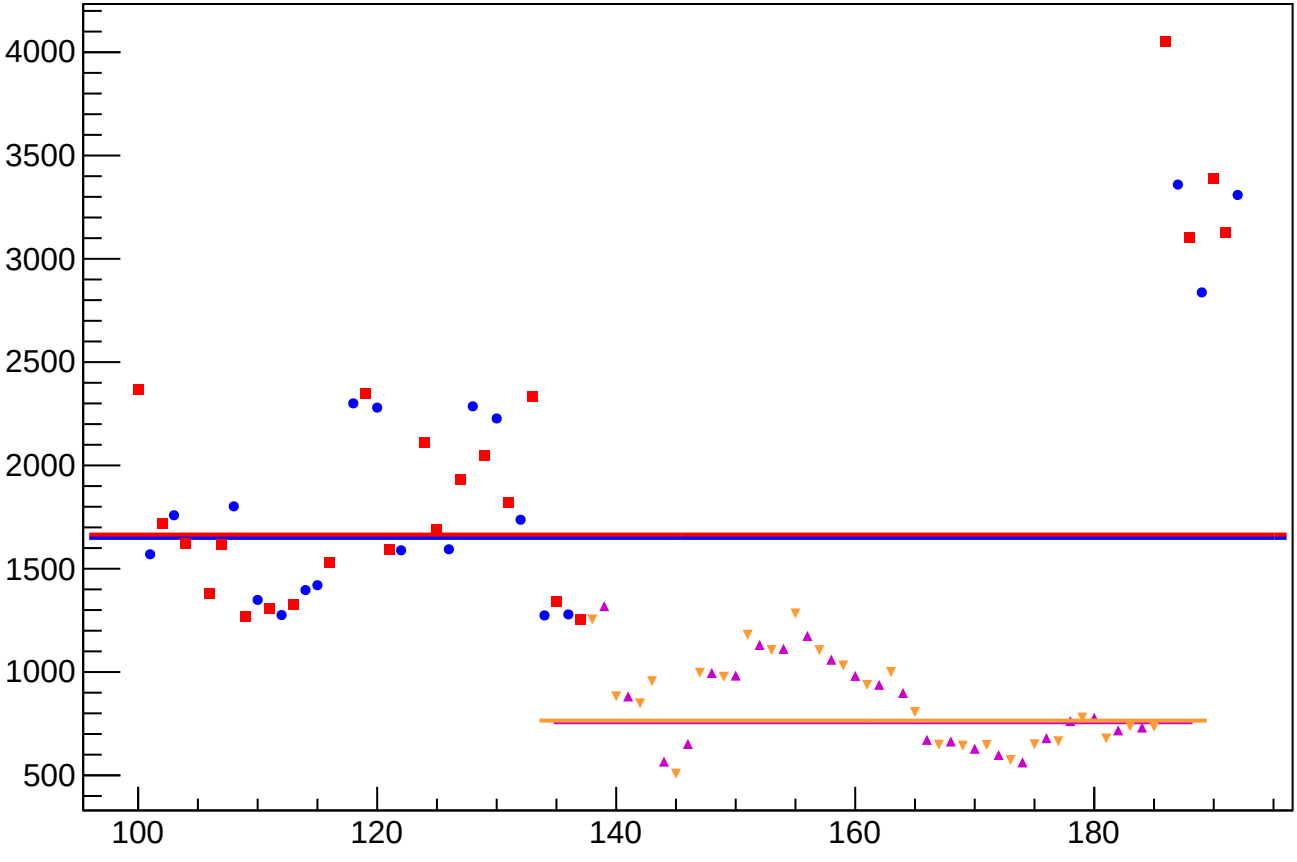
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

\+ sign -788.525+/-171.785 χ^2/NDF: 93.7/43

All: -511.082+/-122.353 χ^2/NDF: 148.1/89

\- sign -225.426+/-174.309 χ^2/NDF: 49.1/45

asym_sam3_eigen_dit_correction_rms vs Slug



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

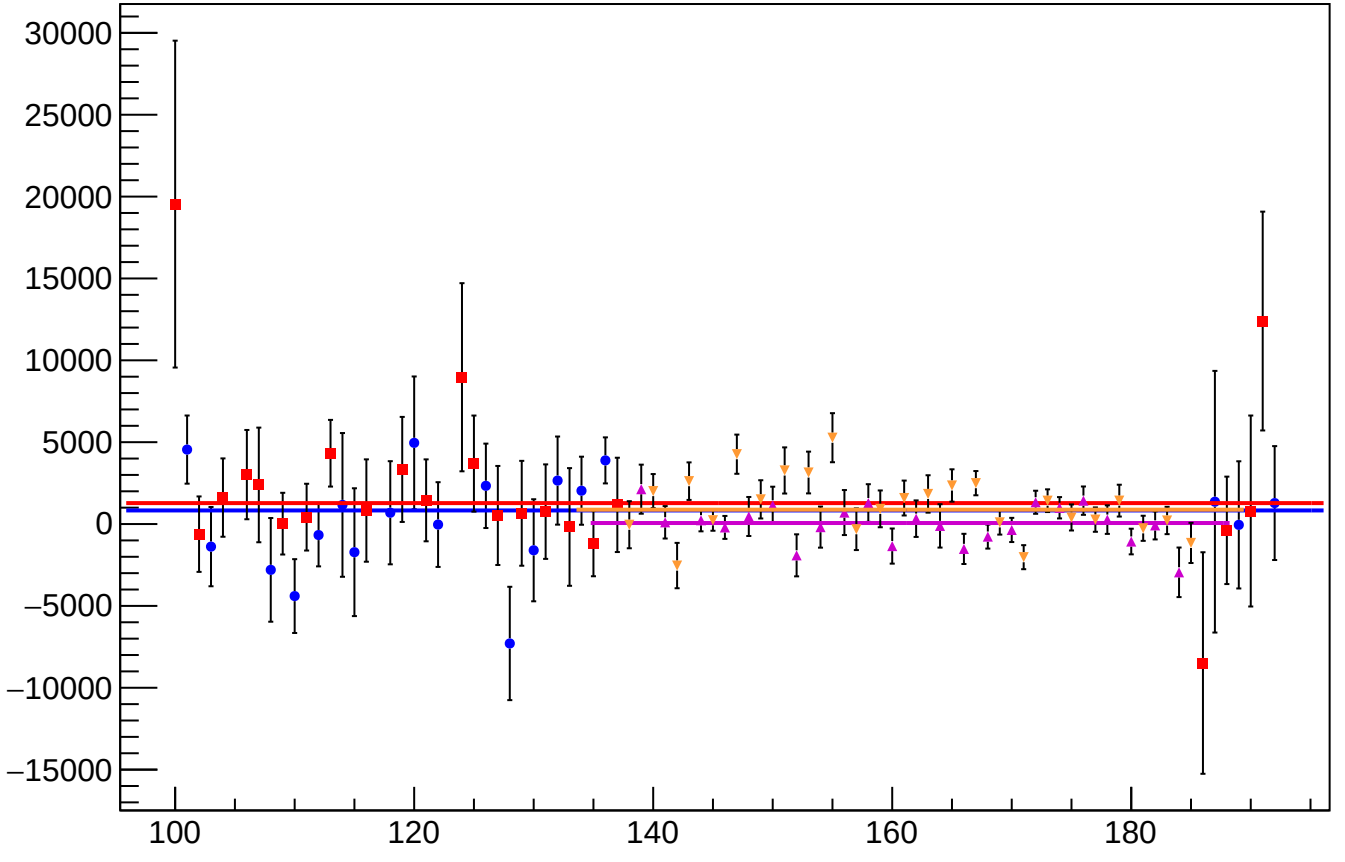
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 842.715+/-0.121 χ^2/NDF: 8106968.1/43

All: 842.502+/-0.087 χ^2/NDF: 16443975.9/89

- sign 842.283+/-0.123 χ^2/NDF: 8337001.5/45

asym_sam3_mean vs Slug



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

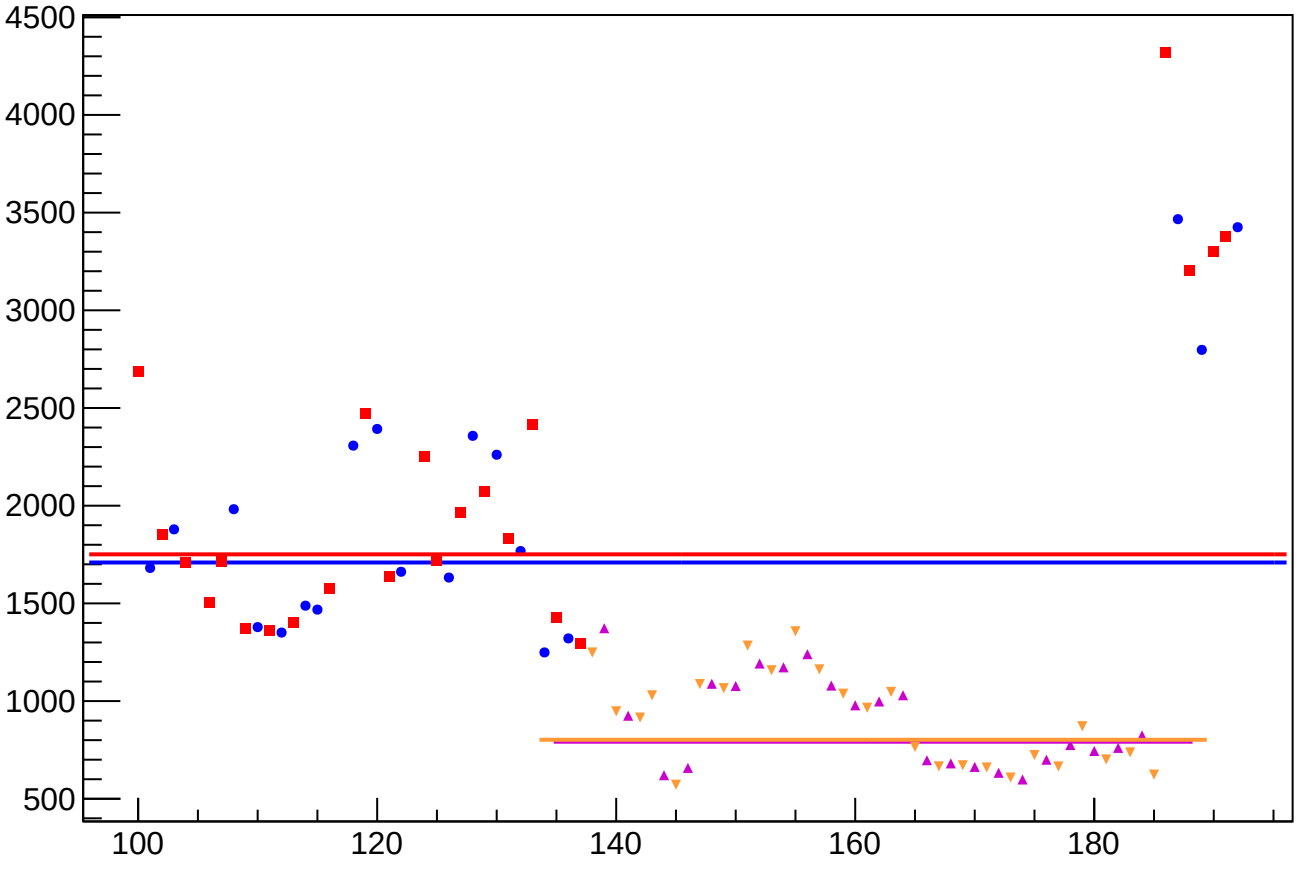
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 872.341+/-180.271 χ^2/NDF: 92.2/43

All: 528.383+/-128.236 χ^2/NDF: 147.7/89

- sign 176.042+/-182.454 χ^2/NDF: 48.1/45

asym_sam3_rms vs Slug



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

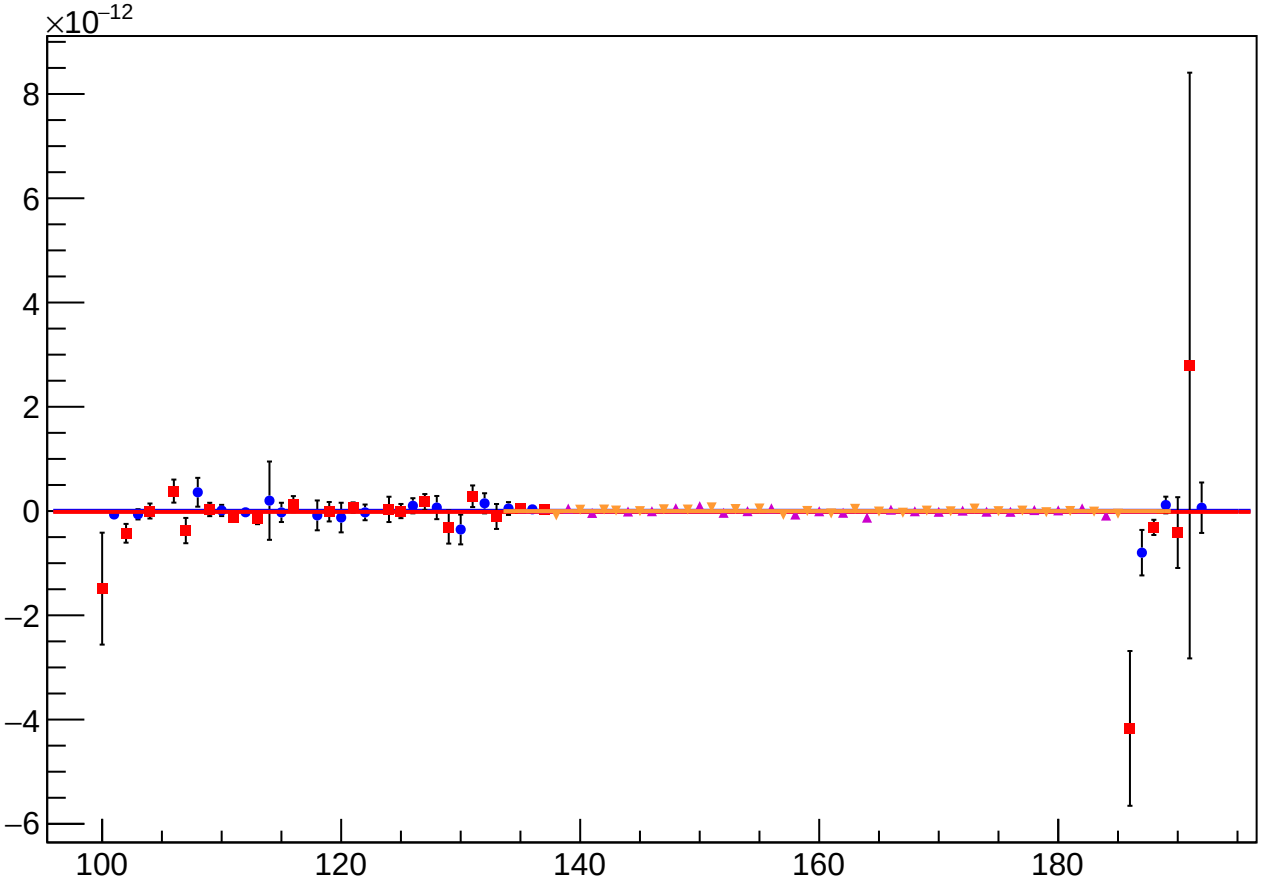
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 883.870+/-0.127 χ^2/NDF: 7961516.0/43

All: 882.644+/-0.091 χ^2/NDF: 16285138.4/89

- sign 881.388+/-0.129 χ^2/NDF: 8323435.1/45

asym_sam3_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

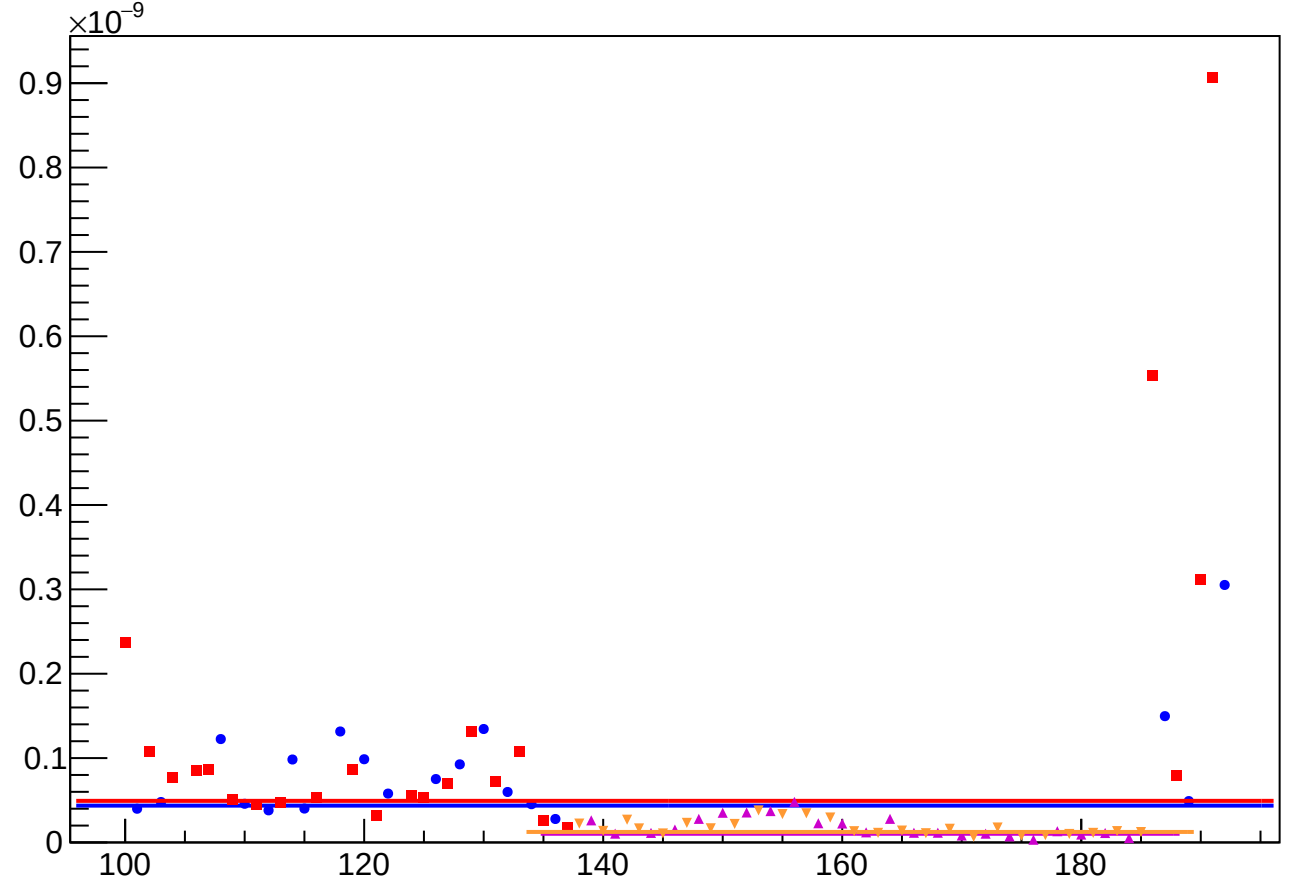
Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/22

Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.8/43

All: -0.000+/-0.000 χ^2/NDF: 103.2/89

- sign -0.000+/-0.000 χ^2/NDF: 67.9/45



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

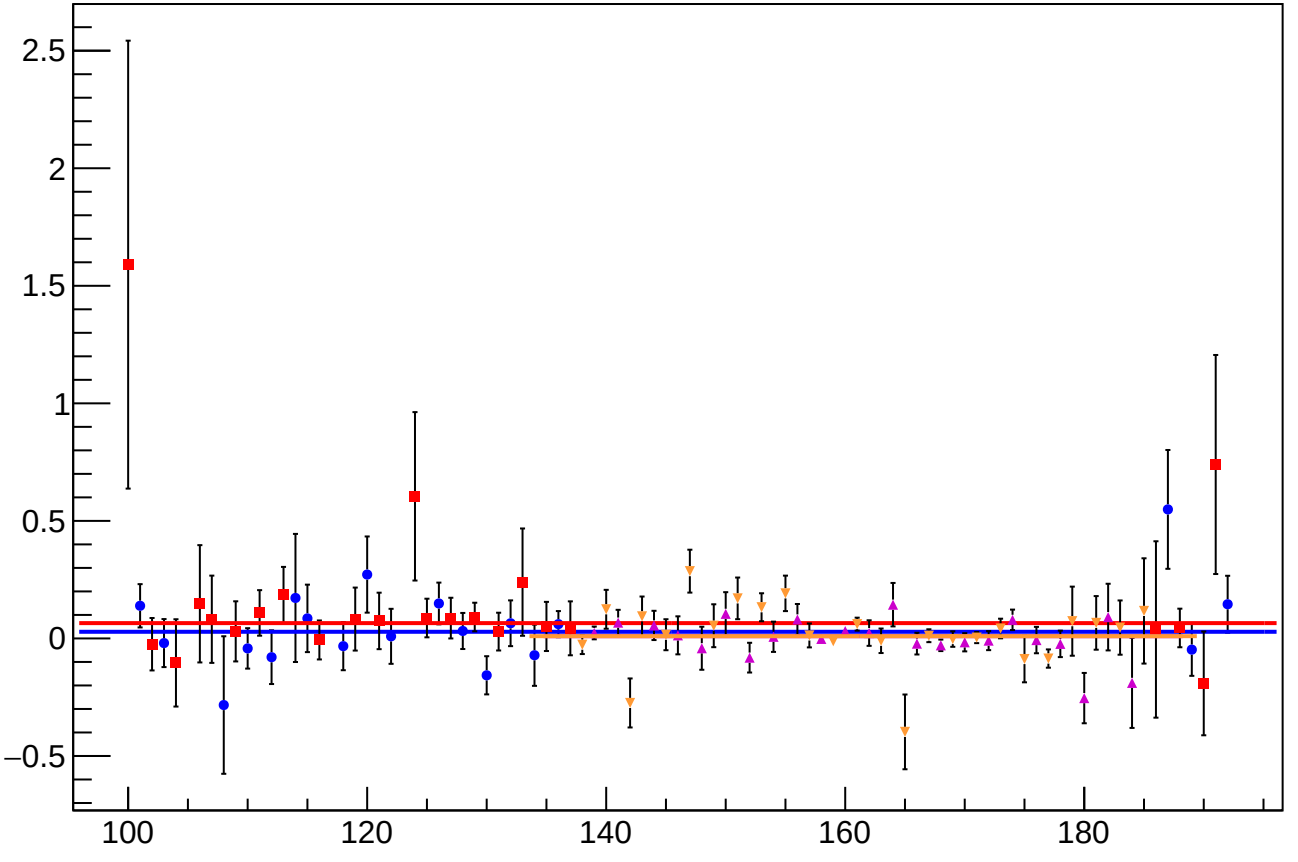
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6678470.6/43

All: 0.000+/-0.000 χ^2/NDF: 16015041.2/89

- sign 0.000+/-0.000 χ^2/NDF: 9131809.2/45

asym_sam3_dit_vs_cor_diff_mean vs Slug



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

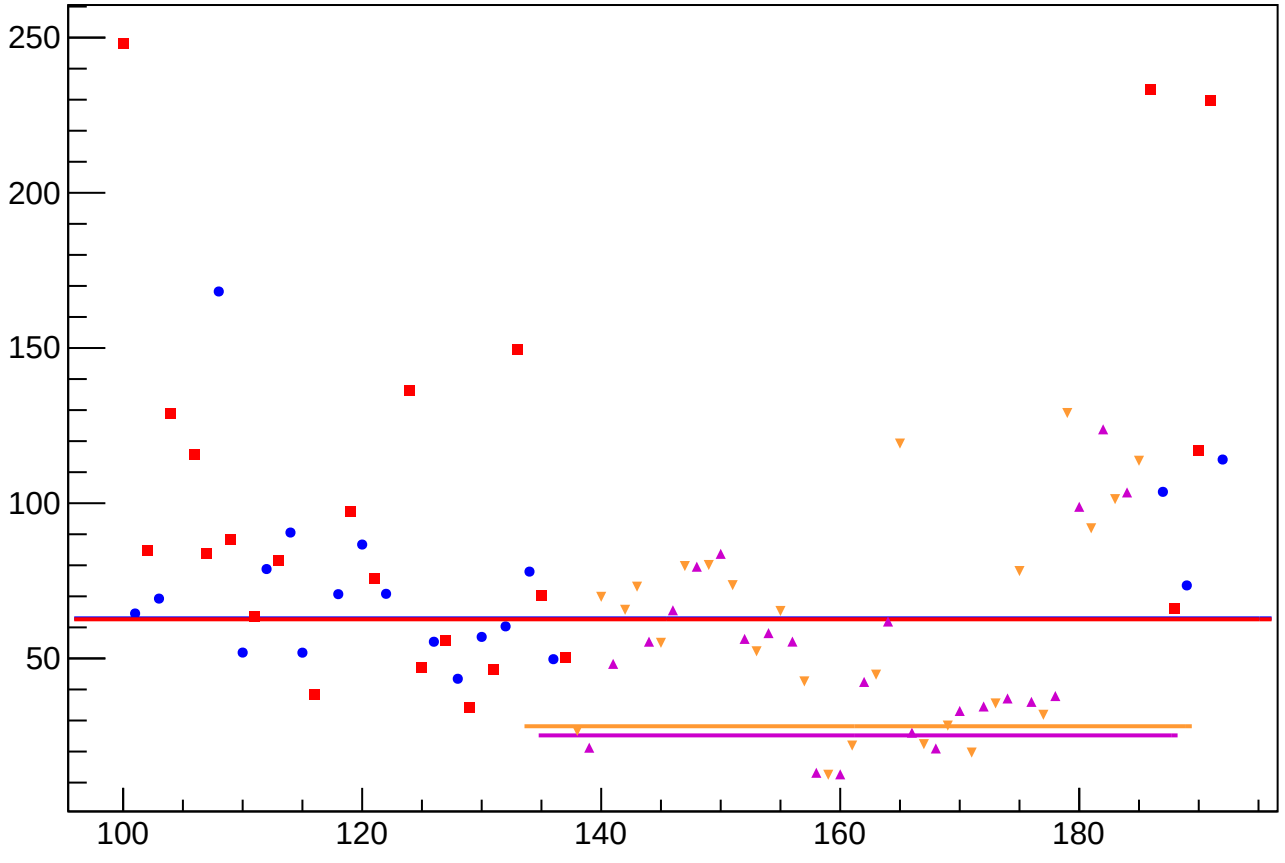
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.4/43

All: 0.013+/-0.005 χ^2/NDF: 119.7/89

- sign 0.015+/-0.008 χ^2/NDF: 43.2/45

asym_sam3_dit_vs_cor_diff_rms vs Slug



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

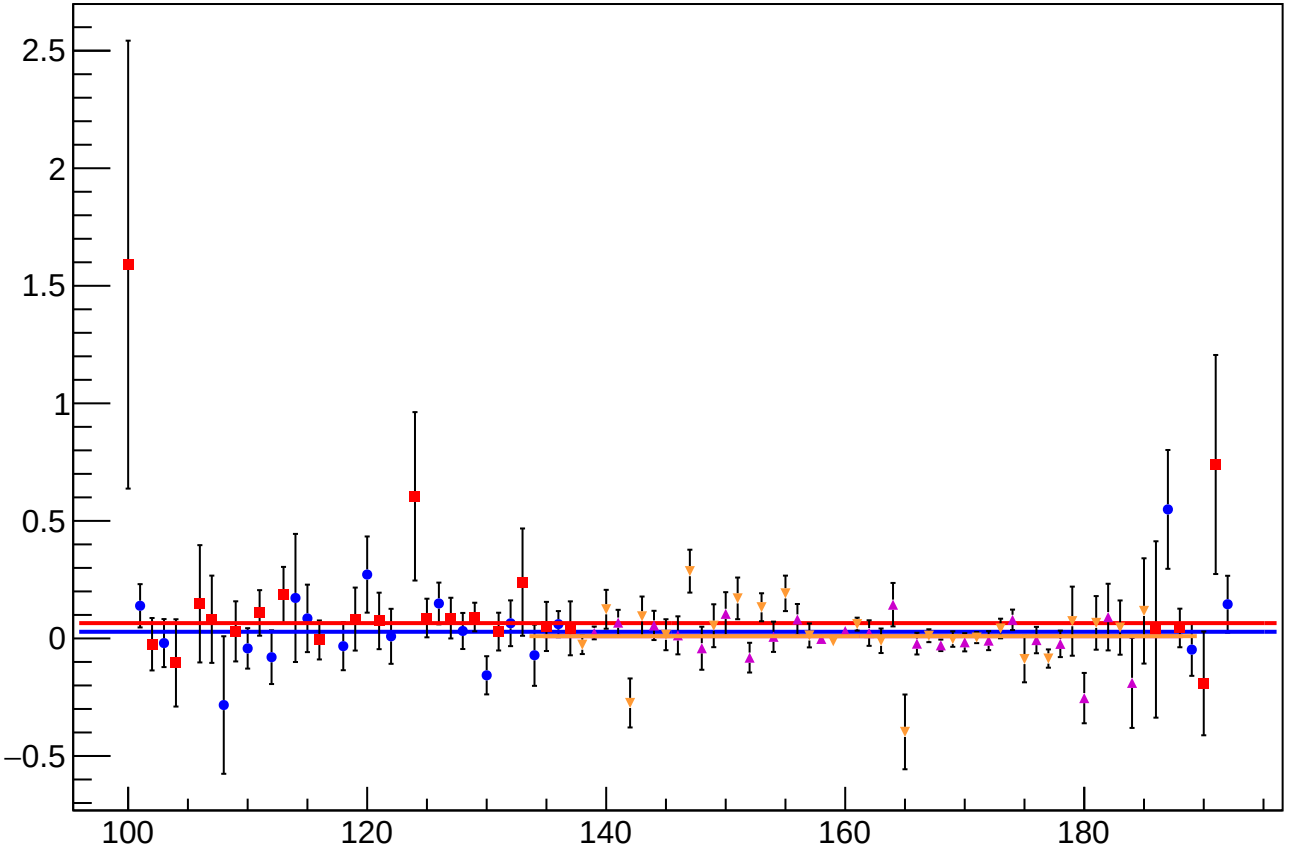
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 32.129+/-0.006 χ^2/NDF: 16092796.2/43

All: 30.424+/-0.004 χ^2/NDF: 33423040.0/89

- sign 28.900+/-0.005 χ^2/NDF: 17156379.8/45

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



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

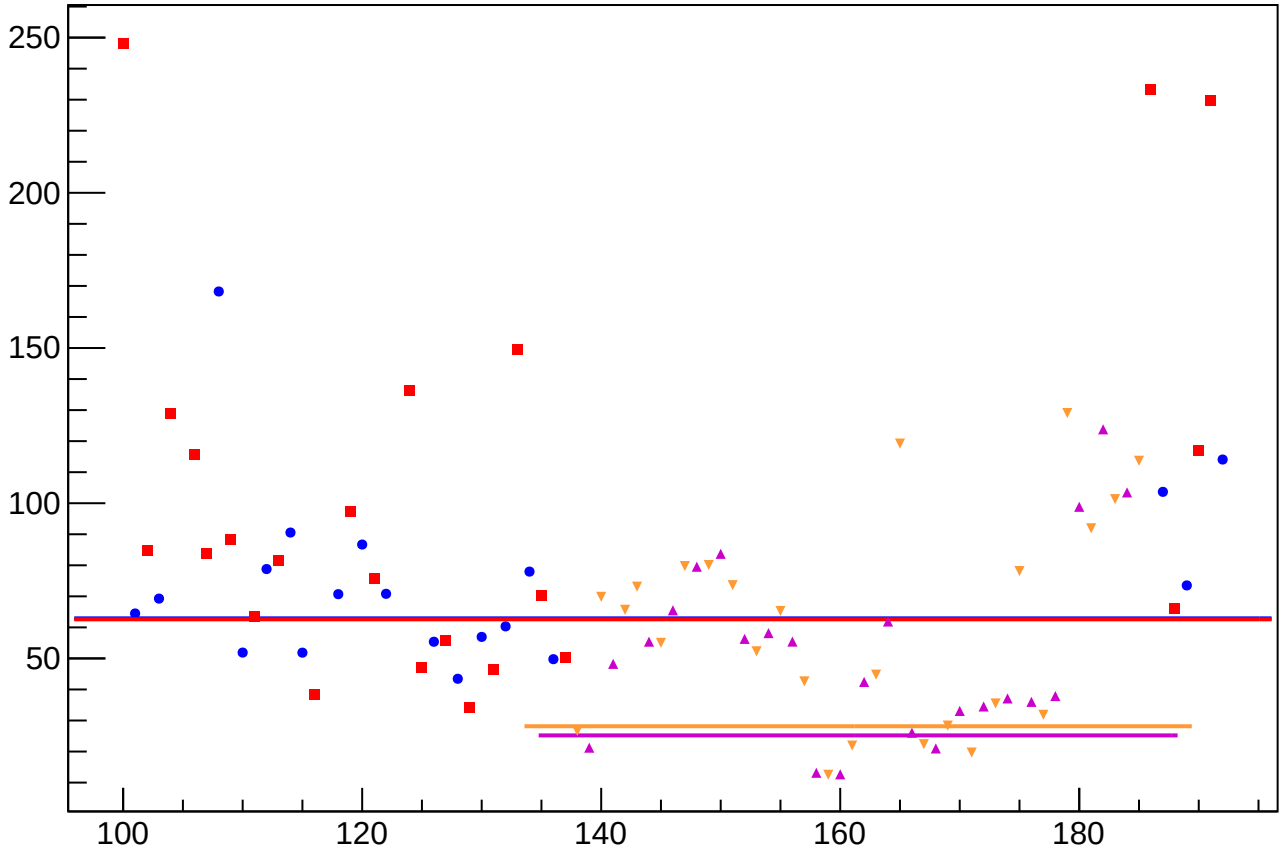
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.4/43

All: 0.013+/-0.005 χ^2/NDF: 119.7/89

- sign 0.015+/-0.008 χ^2/NDF: 43.2/45

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



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

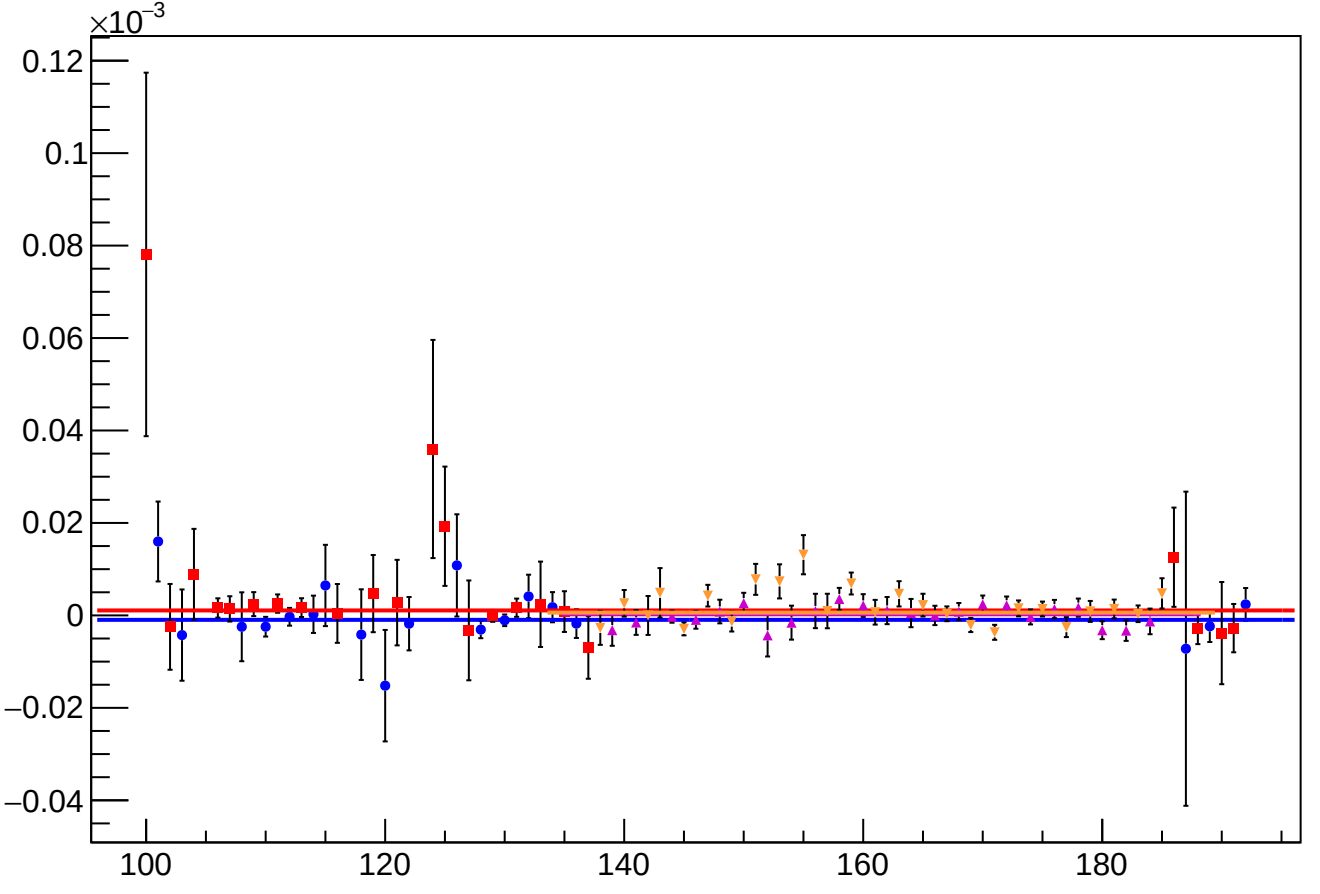
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 32.129+/-0.006 χ^2/NDF: 16092796.2/43

All: 30.424+/-0.004 χ^2/NDF: 33423040.0/89

- sign 28.900+/-0.005 χ^2/NDF: 17156379.8/45

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



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

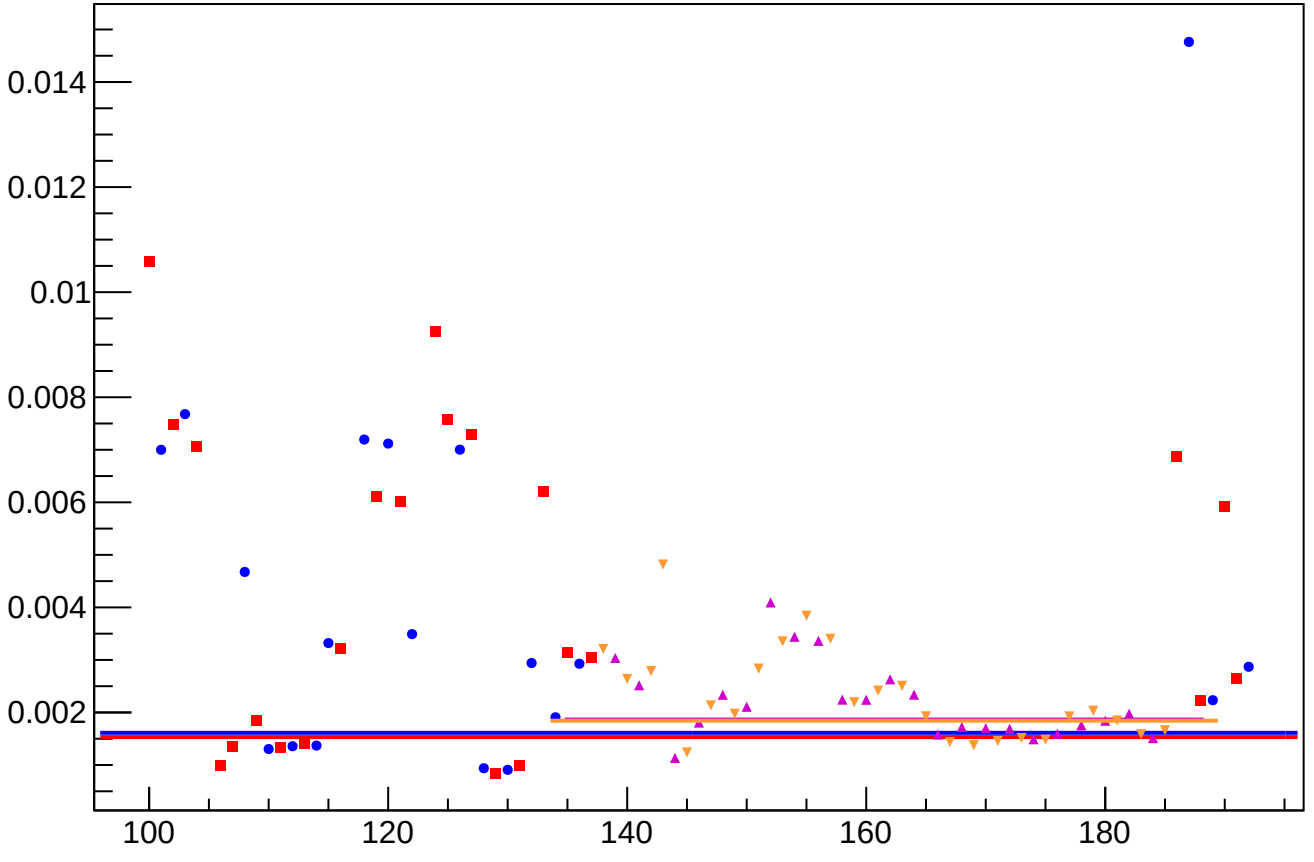
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.2/43

All: 0.000+/-0.000 χ^2/NDF: 102.0/89

- sign 0.000+/-0.000 χ^2/NDF: 33.4/45

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



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

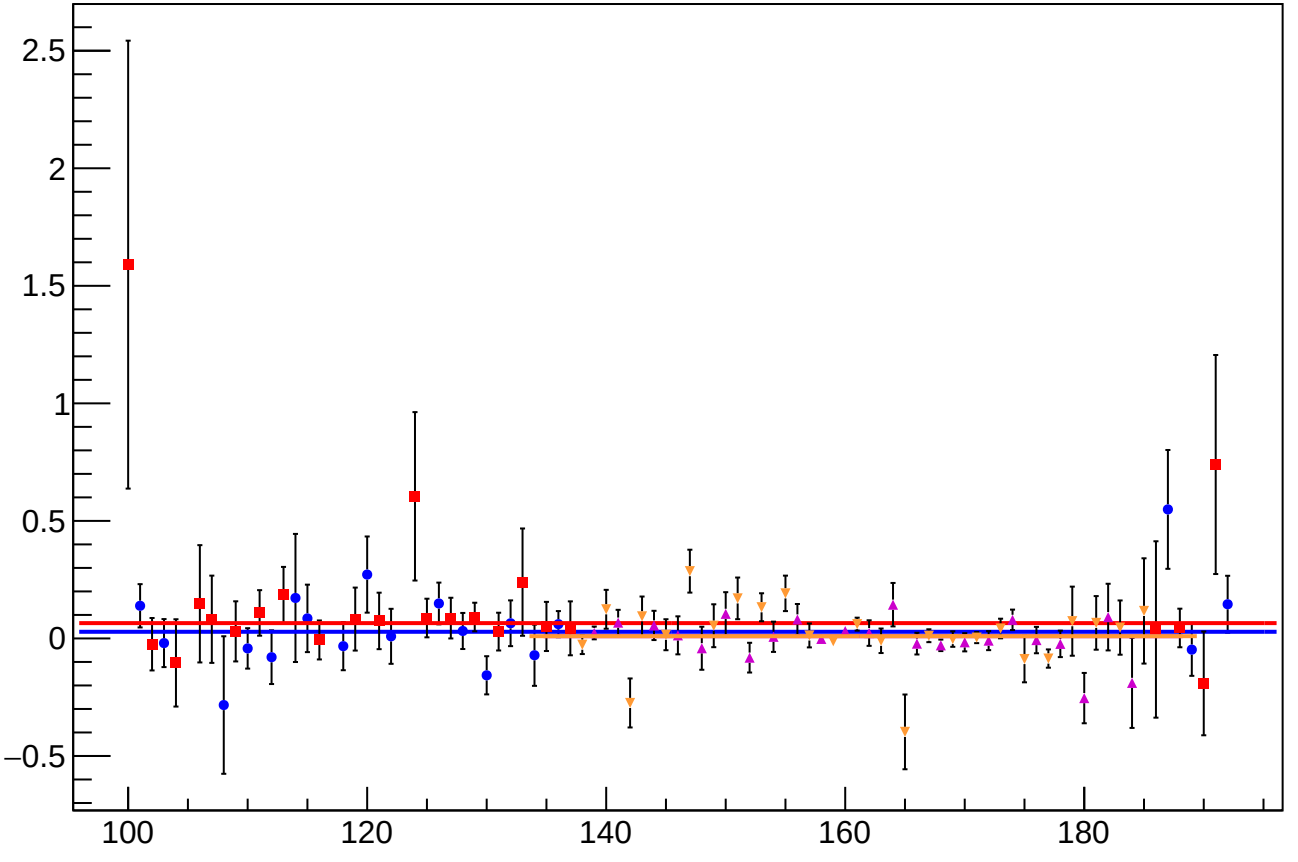
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 9765711.1/43

All: 0.002+/-0.000 χ^2/NDF: 19707997.6/89

- sign 0.002+/-0.000 χ^2/NDF: 9939929.3/45

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



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

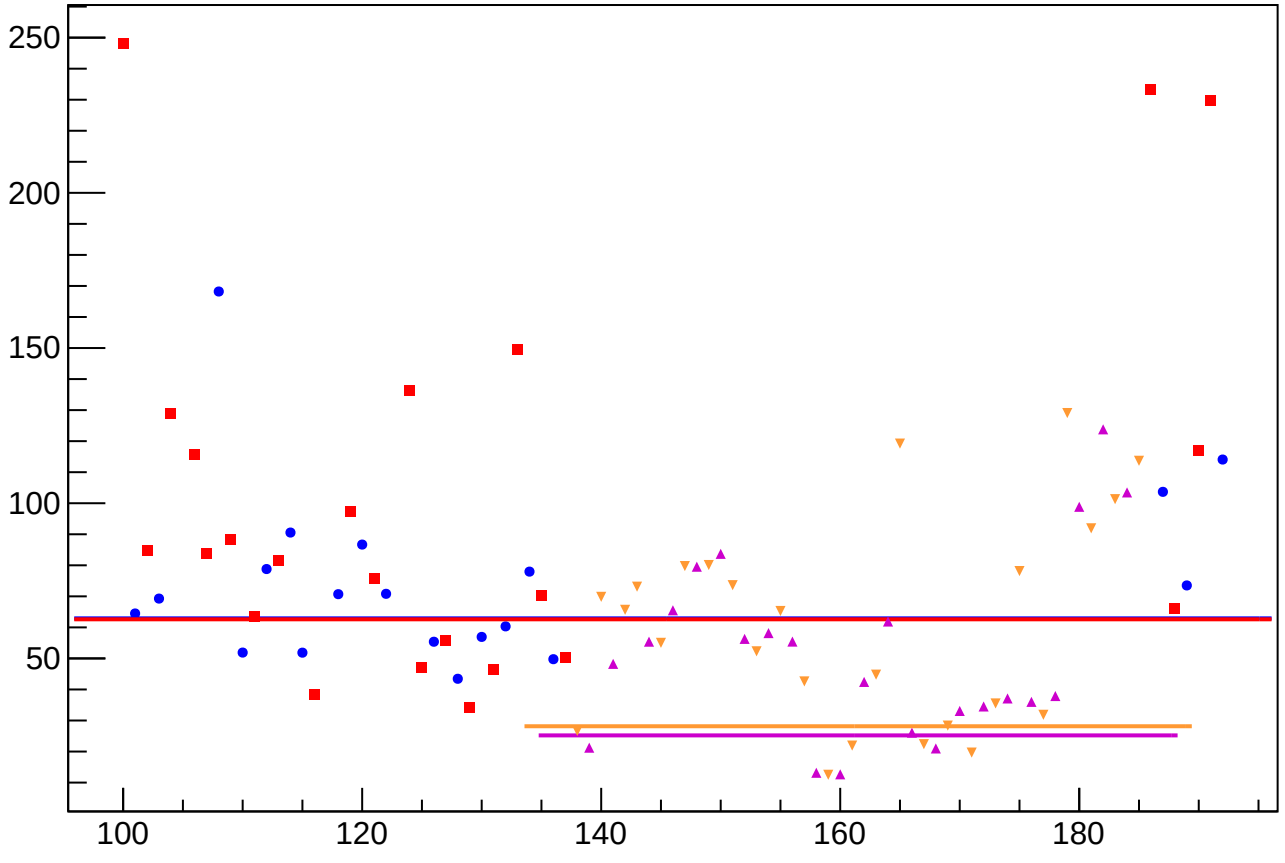
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.4/43

All: 0.013+/-0.005 χ^2/NDF: 119.7/89

- sign 0.015+/-0.008 χ^2/NDF: 43.2/45

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



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

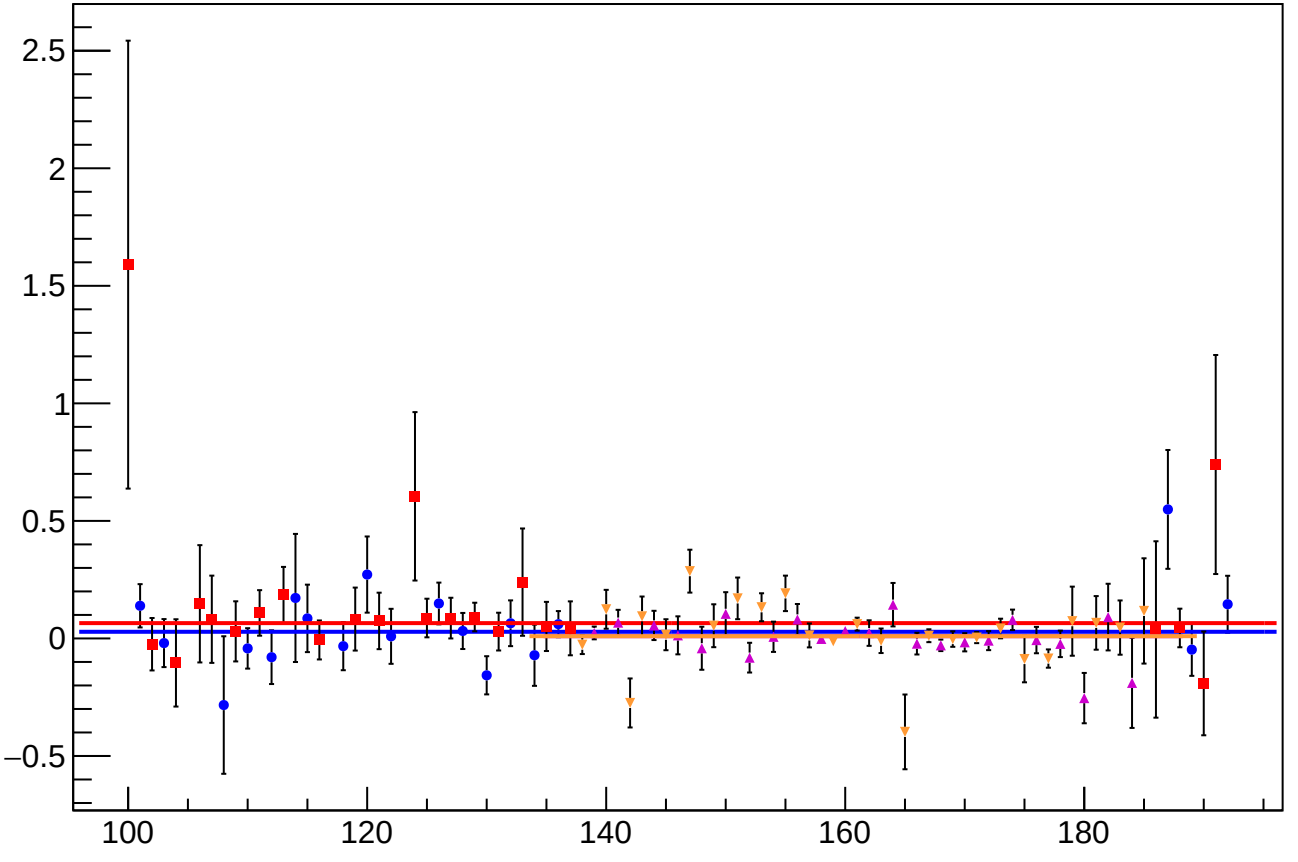
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 32.128+/-0.006 χ^2/NDF: 16094283.8/43

All: 30.423+/-0.004 χ^2/NDF: 33425207.9/89

- sign 28.900+/-0.005 χ^2/NDF: 17157147.8/45

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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

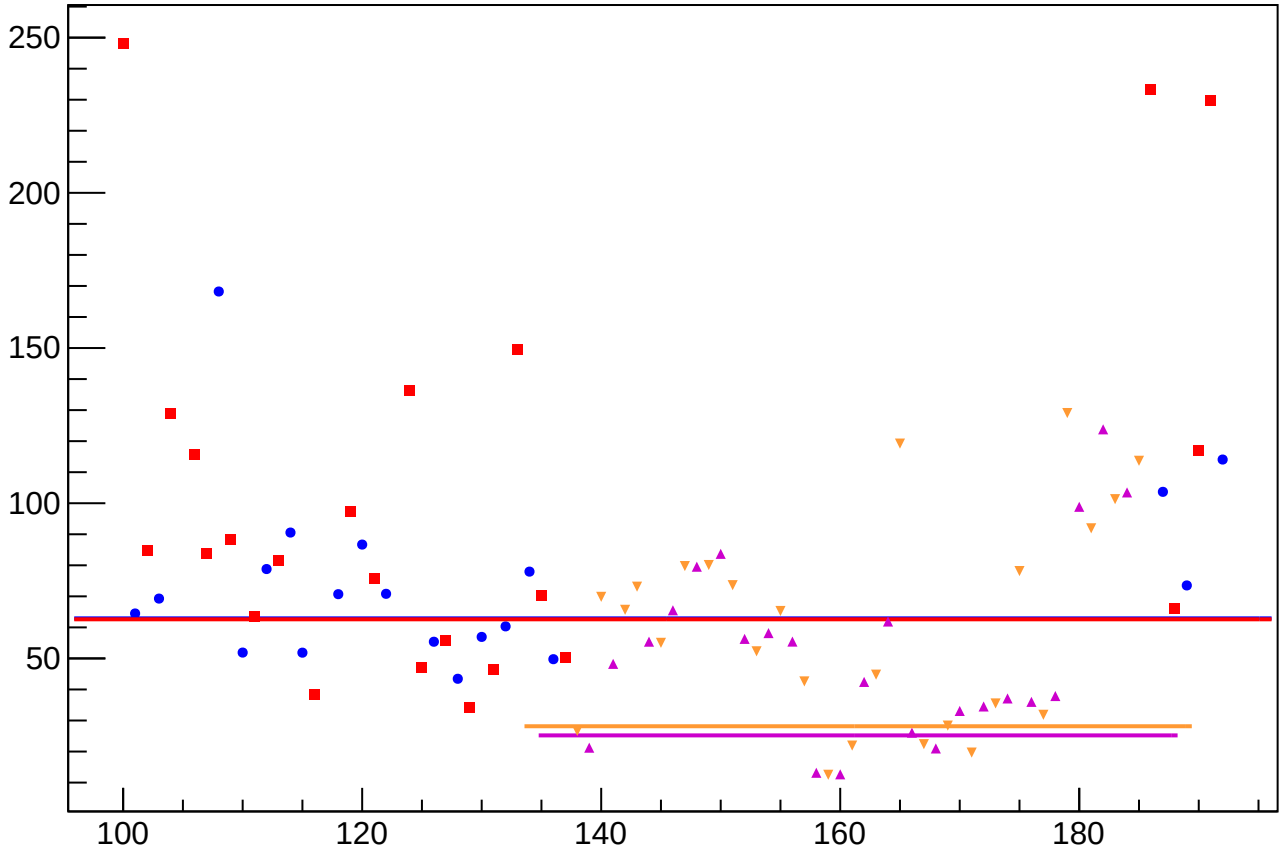
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.4/43

All: 0.013+/-0.005 χ^2/NDF: 119.7/89

- sign 0.015+/-0.008 χ^2/NDF: 43.2/45

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 62.904+/-0.017 χ^2/NDF: 1157000.5/18

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

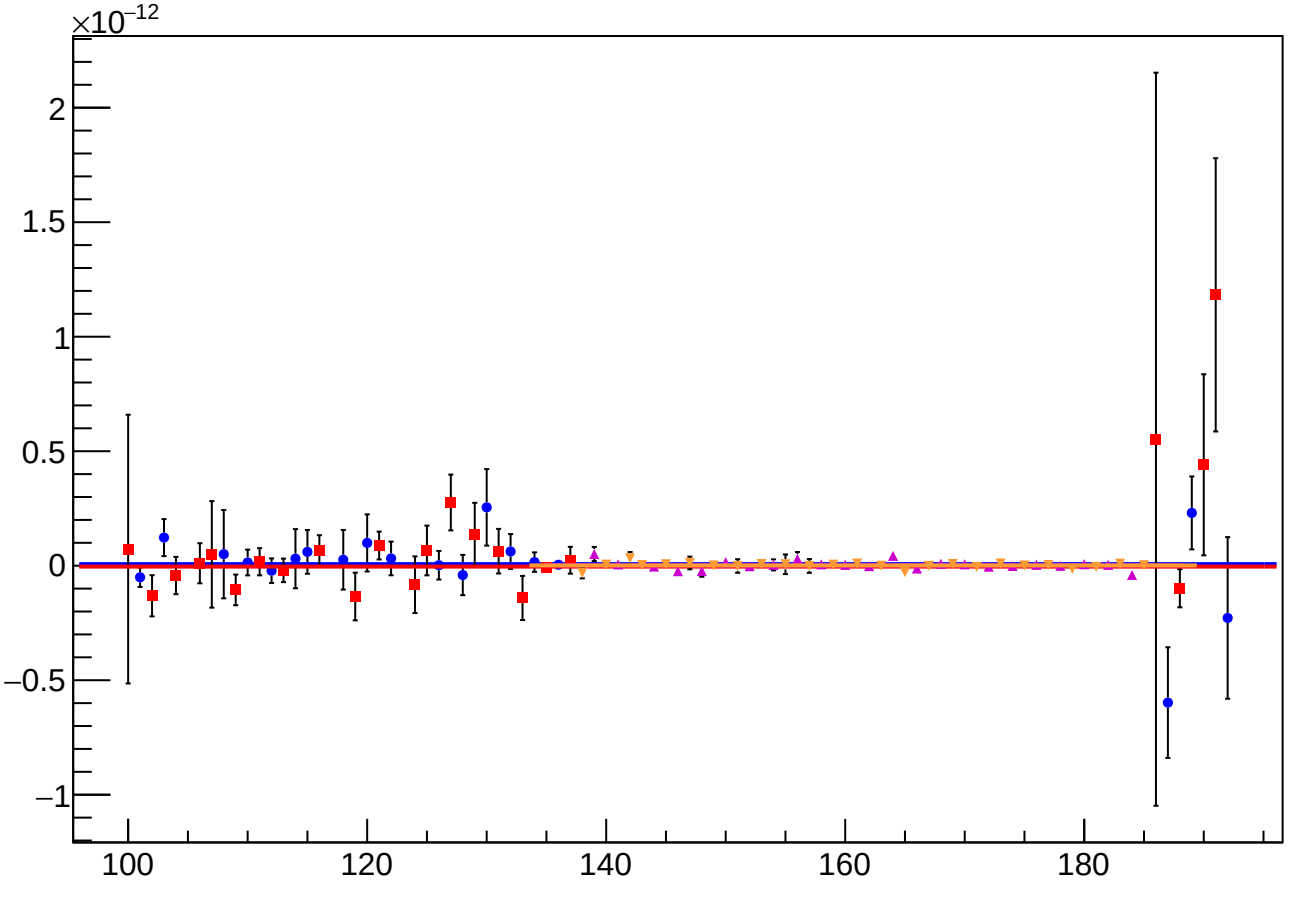
Right Out: 62.603+/-0.017 χ^2/NDF: 2791795.4/22

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 32.128+/-0.006 χ^2/NDF: 16094283.8/43

All: 30.423+/-0.004 χ^2/NDF: 33425207.9/89

- sign 28.900+/-0.005 χ^2/NDF: 17157147.8/45



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

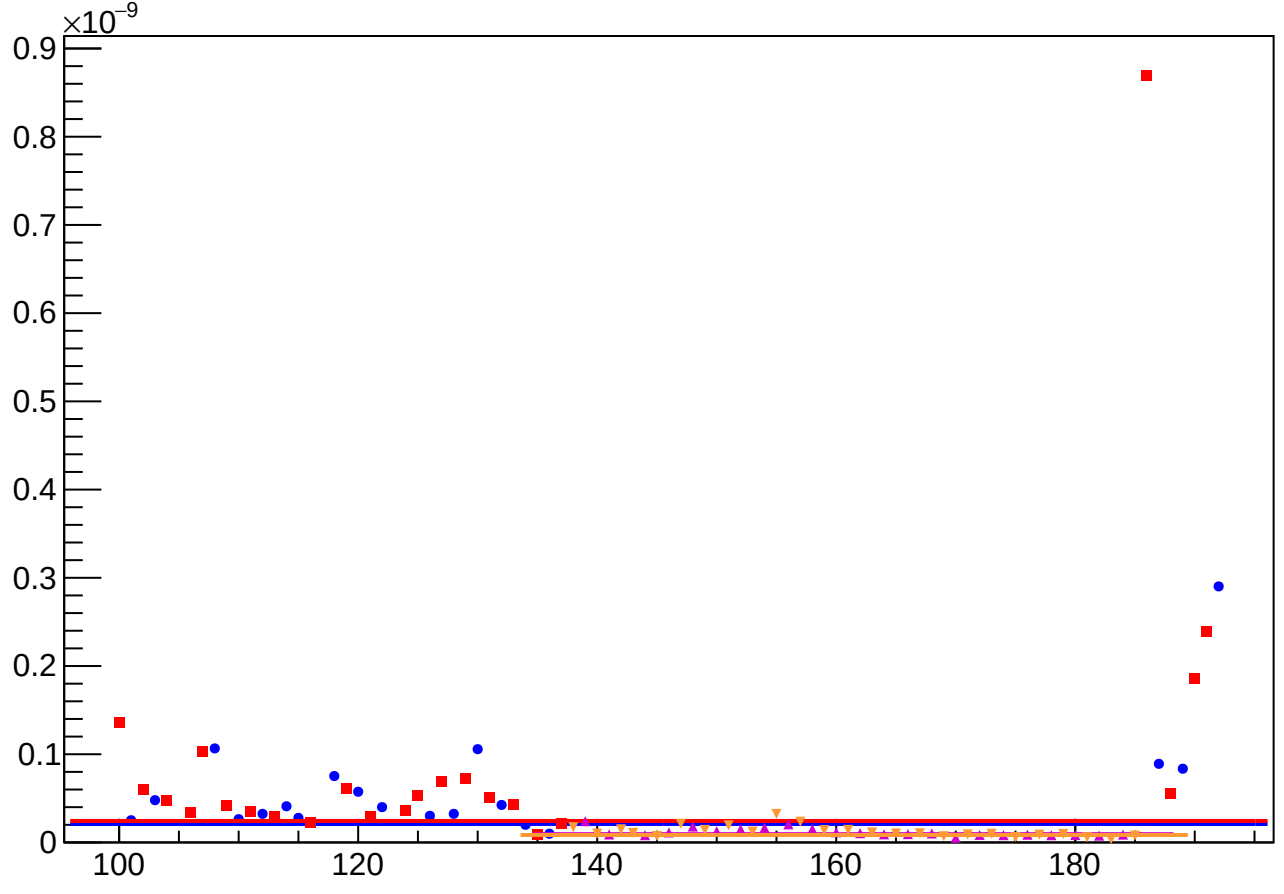
Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.5/43

All: 0.000+/-0.000 χ^2/NDF: 75.9/89

- sign 0.000+/-0.000 χ^2/NDF: 47.3/45

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



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

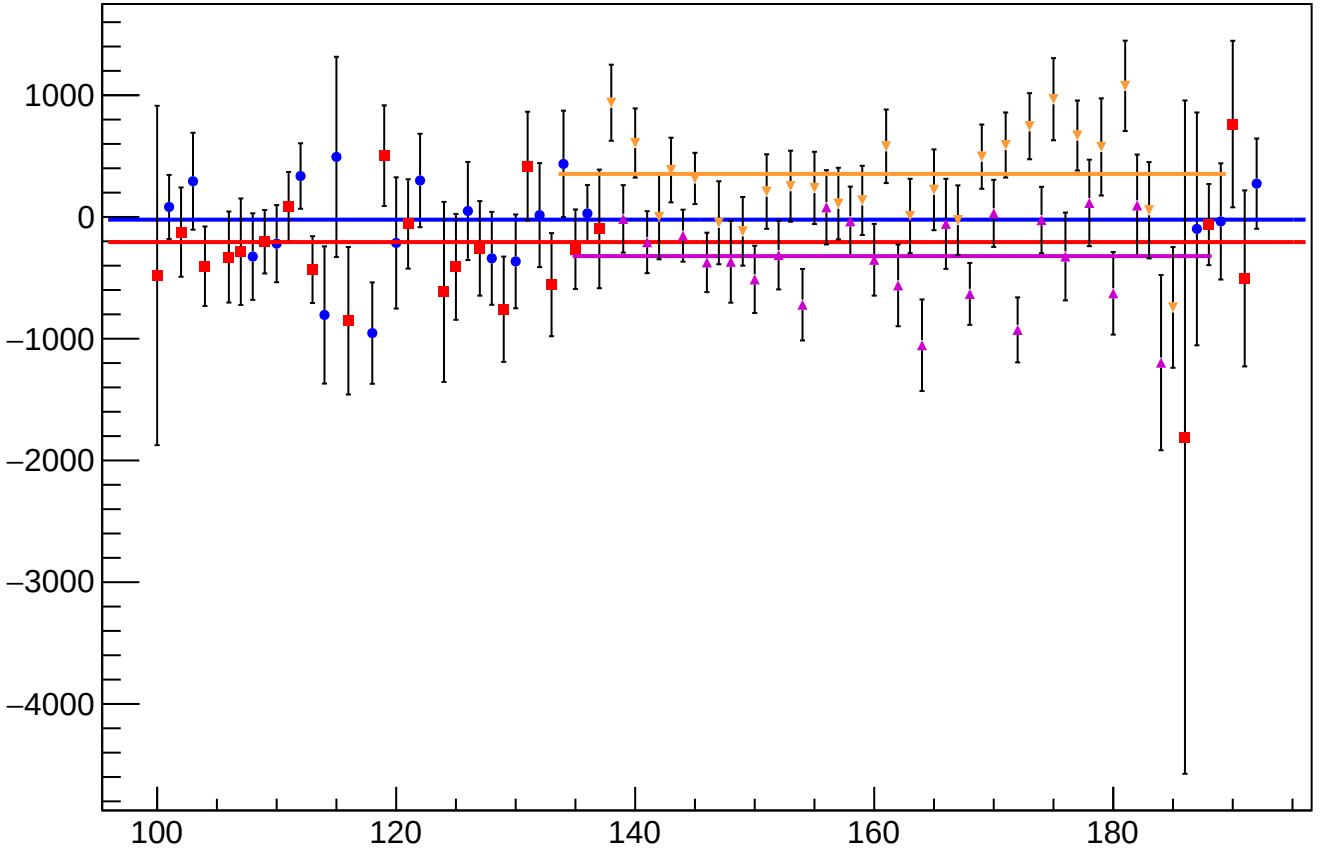
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11140179.3/43

All: 0.000+/-0.000 χ^2/NDF: 20791987.9/89

- sign 0.000+/-0.000 χ^2/NDF: 9518637.8/45

reg_asym_sam4_mean vs Slug



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

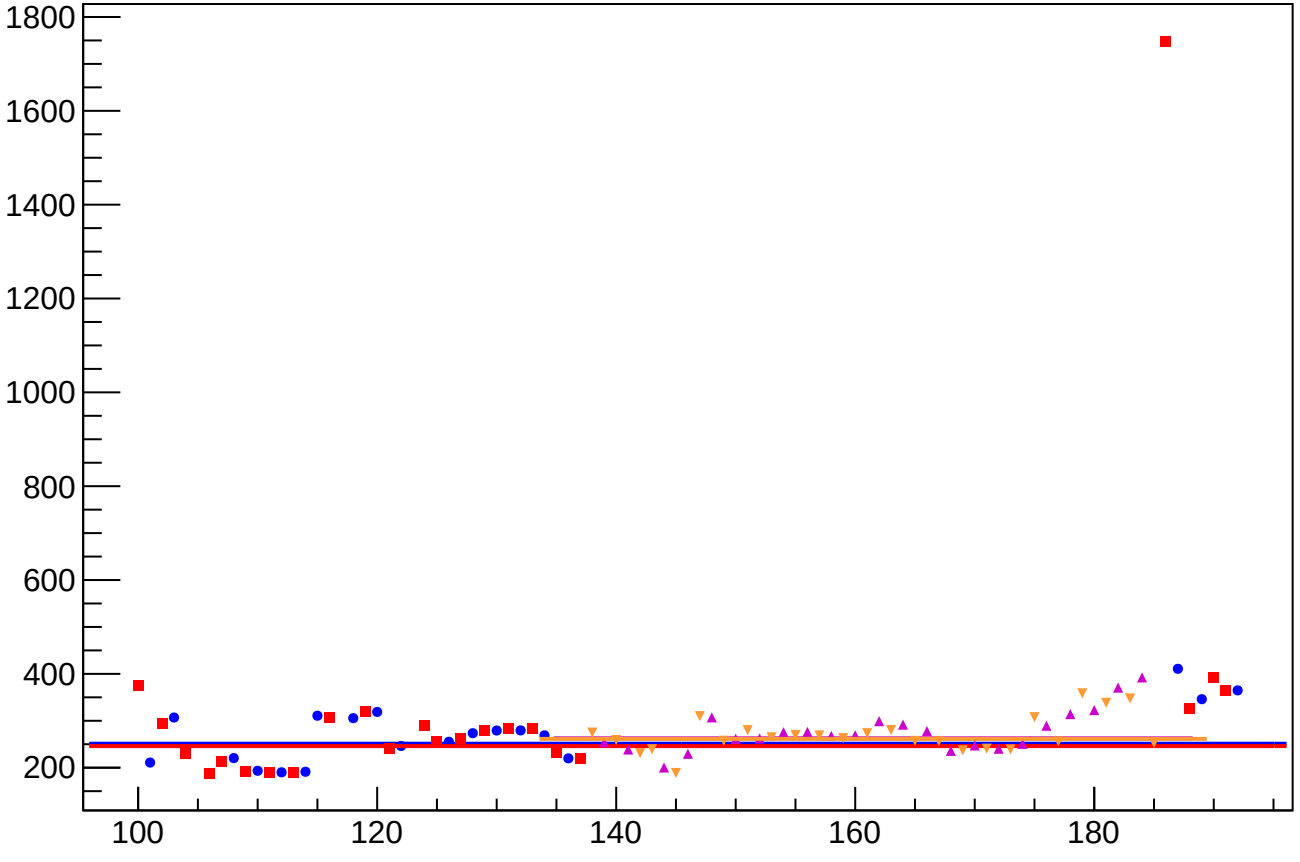
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 230.634+/-49.329 χ^2/NDF: 60.2/43

All: -22.094+/-35.077 χ^2/NDF: 155.0/89

- sign -280.577+/-49.888 χ^2/NDF: 41.6/45

reg_asym_sam4_rms vs Slug



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

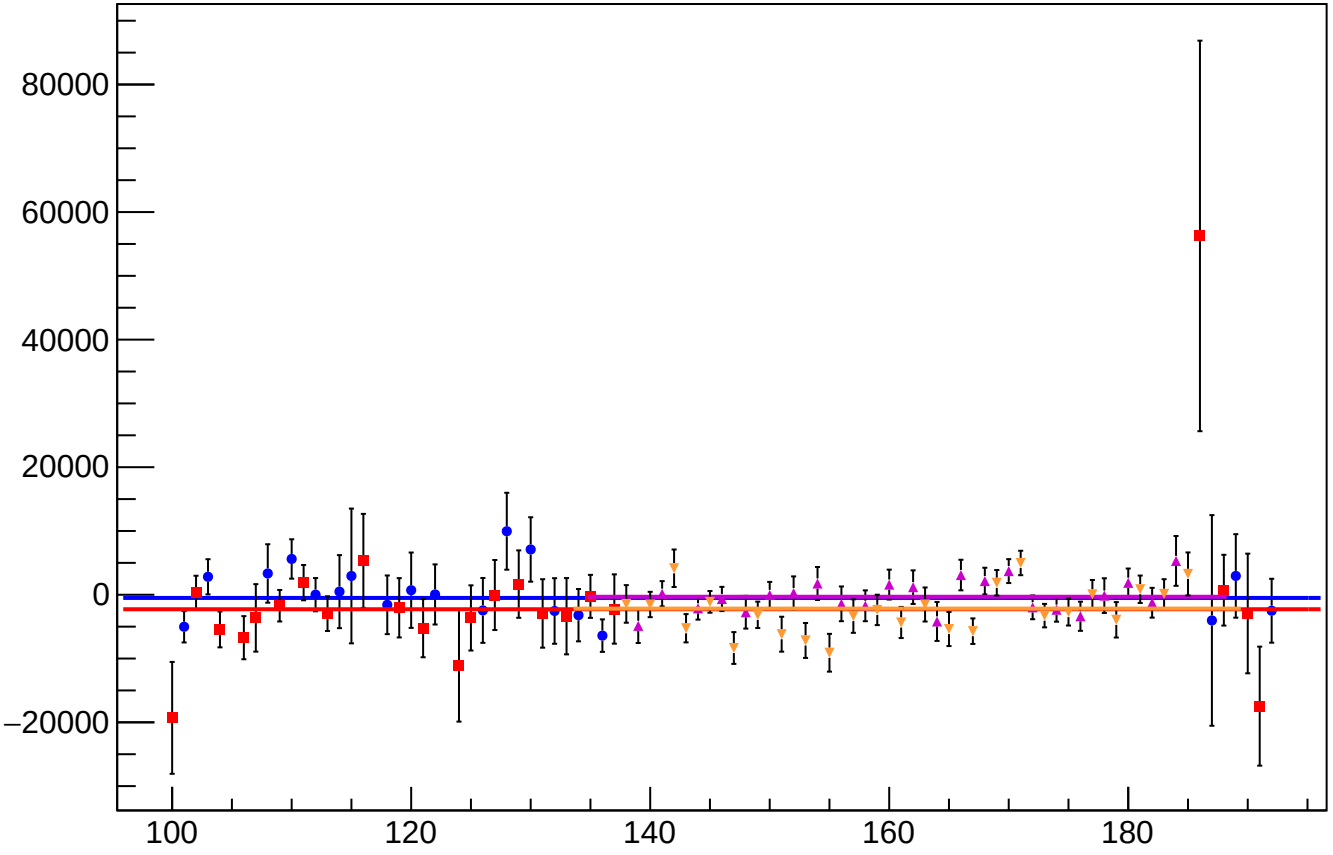
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 258.077+/-0.035 χ^2/NDF: 1492179.0/43

All: 257.422+/-0.025 χ^2/NDF: 3577842.6/89

- sign 256.753+/-0.035 χ^2/NDF: 2084951.9/45

asym_sam4_reg_correction_mean vs Slug



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

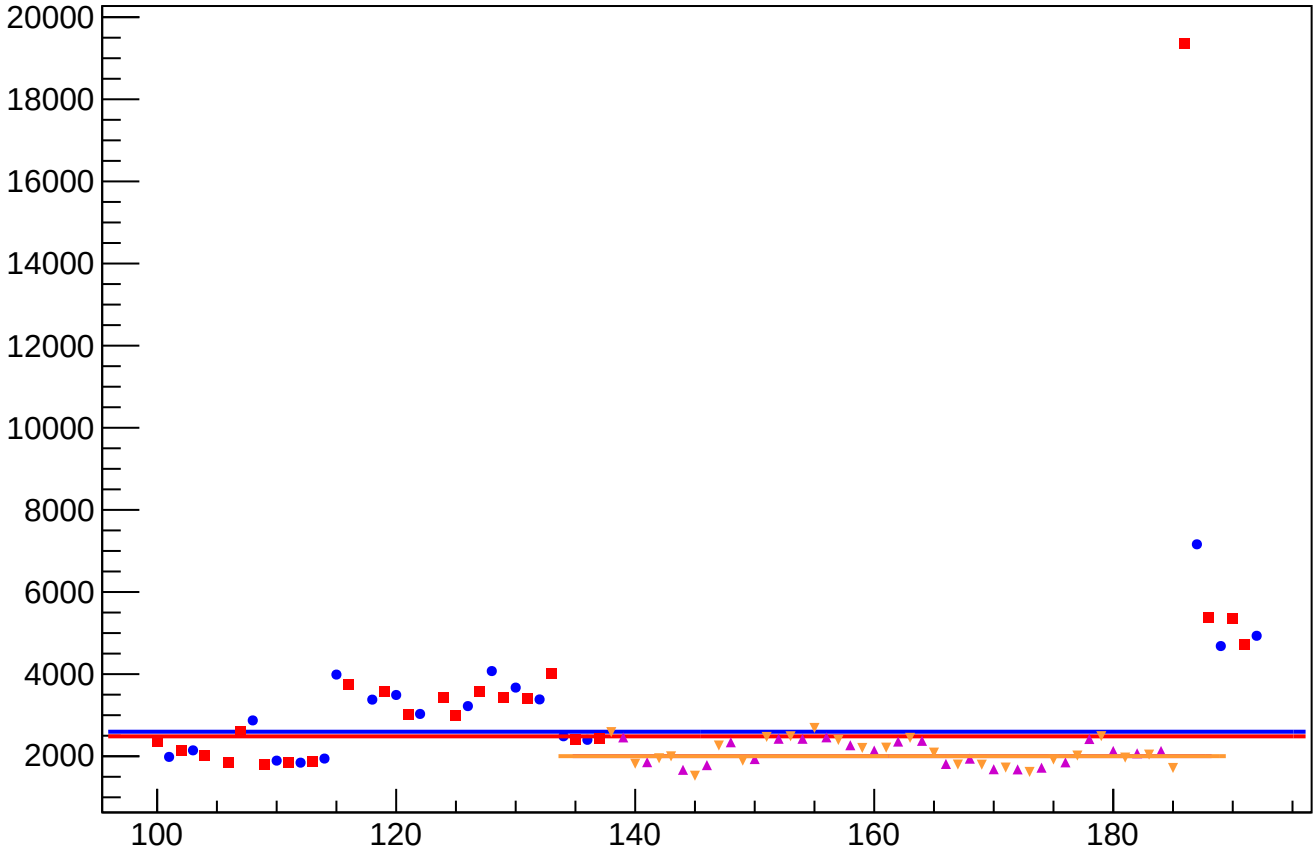
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1835.126+/-412.637 χ^2/NDF: 79.8/43

All: -1301.941+/-293.239 χ^2/NDF: 131.2/89

- sign -757.948+/-416.799 χ^2/NDF: 48.0/45

asym_sam4_reg_correction_rms vs Slug



Right In: 2597.432+/-0.651 χ^2/NDF: 1730663.6/18

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

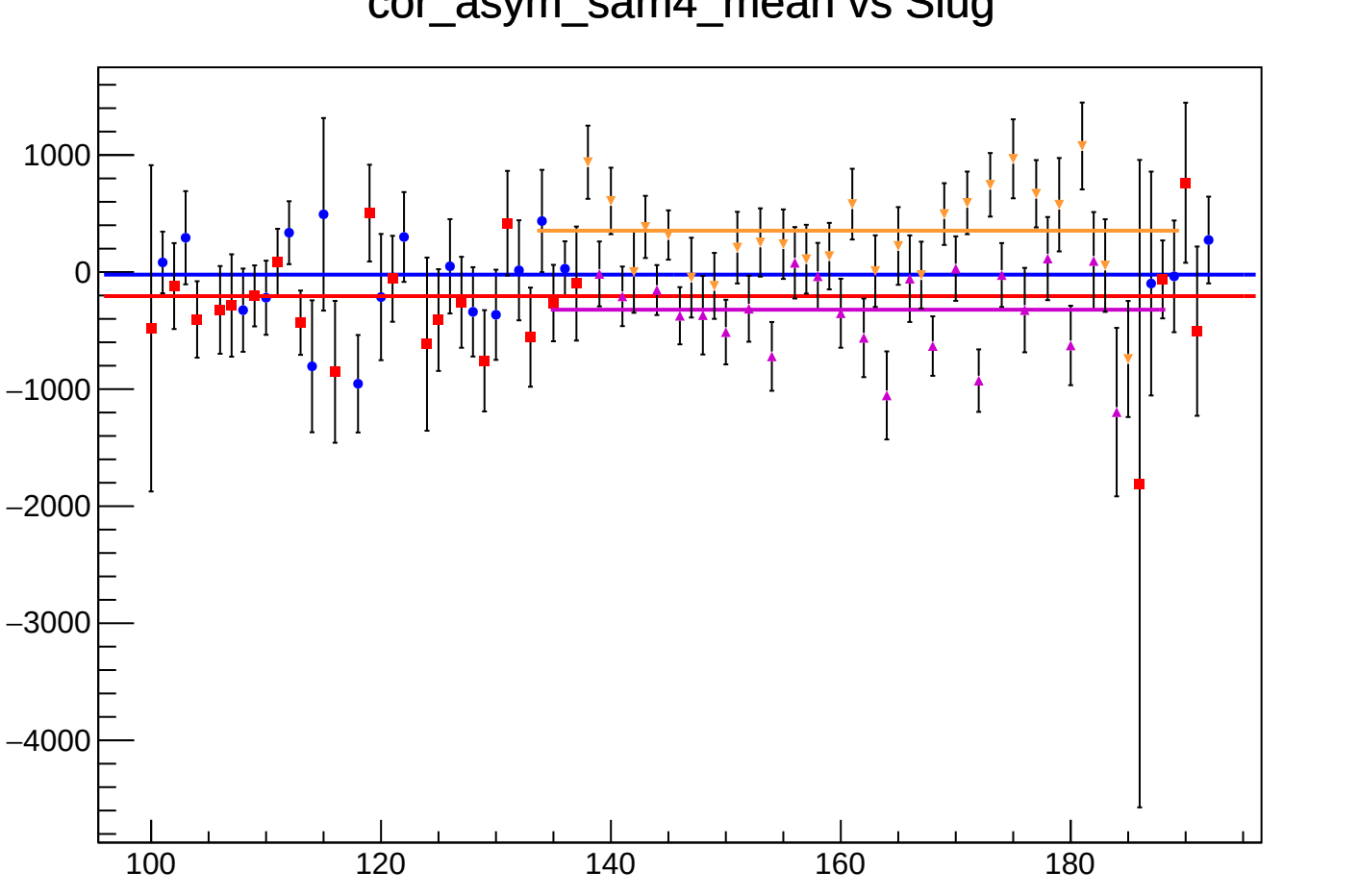
Right Out: 2484.731+/-0.618 χ^2/NDF: 2554285.4/22

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2121.902+/-0.292 χ^2/NDF: 3291818.2/43

All: 2117.669+/-0.207 χ^2/NDF: 7017941.5/89

- sign 2113.350+/-0.295 χ^2/NDF: 3725698.1/45



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

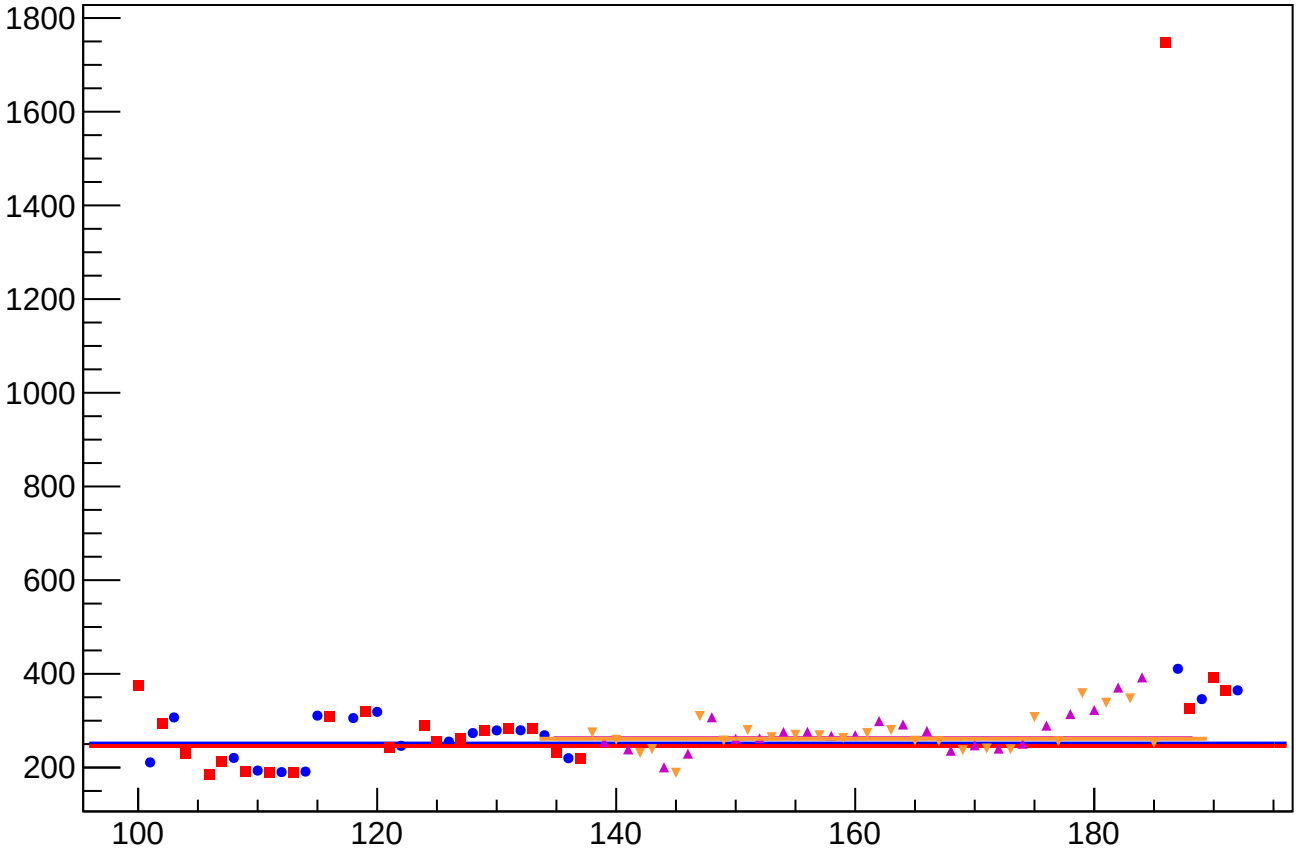
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 230.644+/-49.329 χ^2/NDF: 60.3/43

All: -21.977+/-35.078 χ^2/NDF: 154.9/89

- sign -280.375+/-49.890 χ^2/NDF: 41.6/45

cor_asym_sam4_rms vs Slug



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

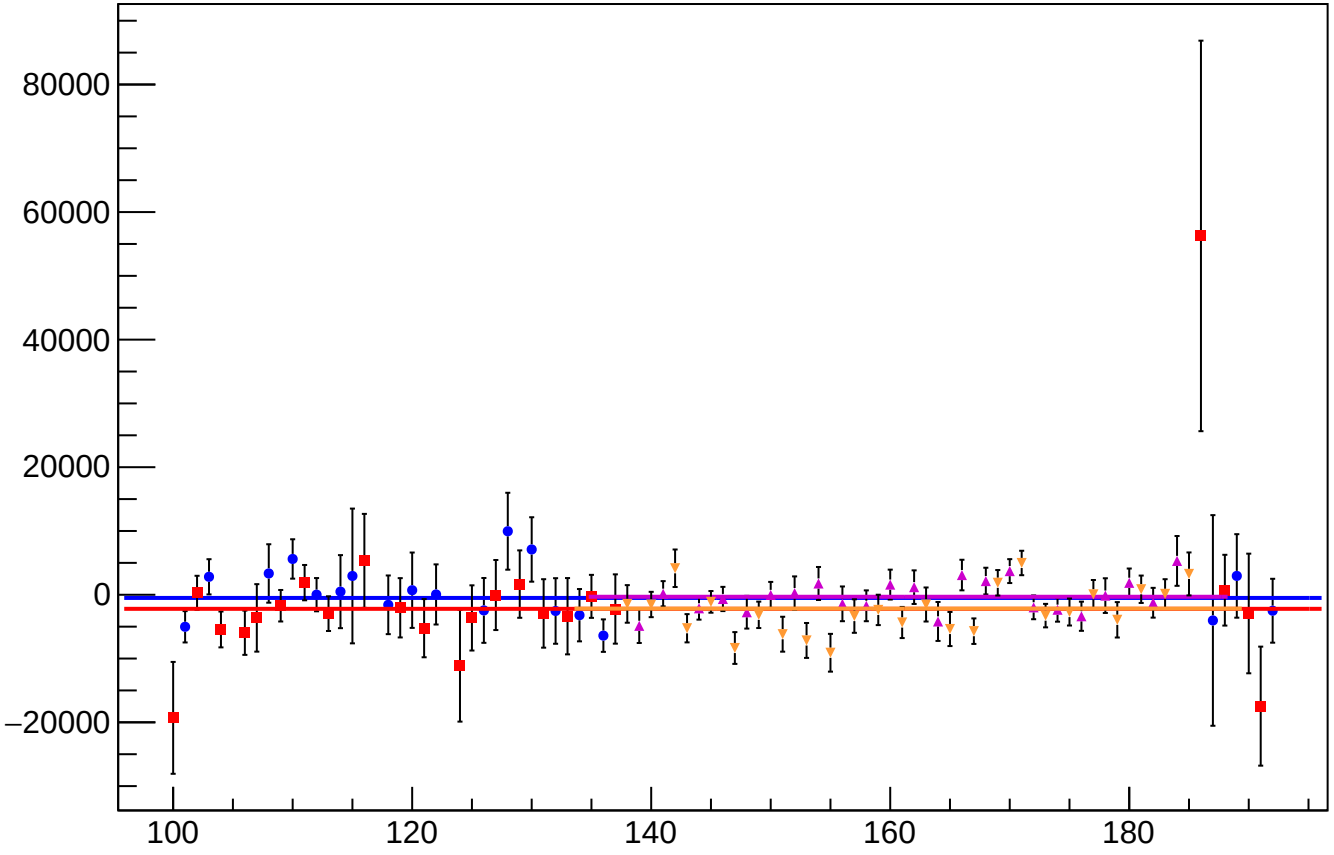
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 258.077+/-0.035 χ^2/NDF: 1492180.9/43

All: 257.404+/-0.025 χ^2/NDF: 3582751.3/89

- sign 256.716+/-0.035 χ^2/NDF: 2089818.3/45

asym_sam4_cor_correction_mean vs Slug



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

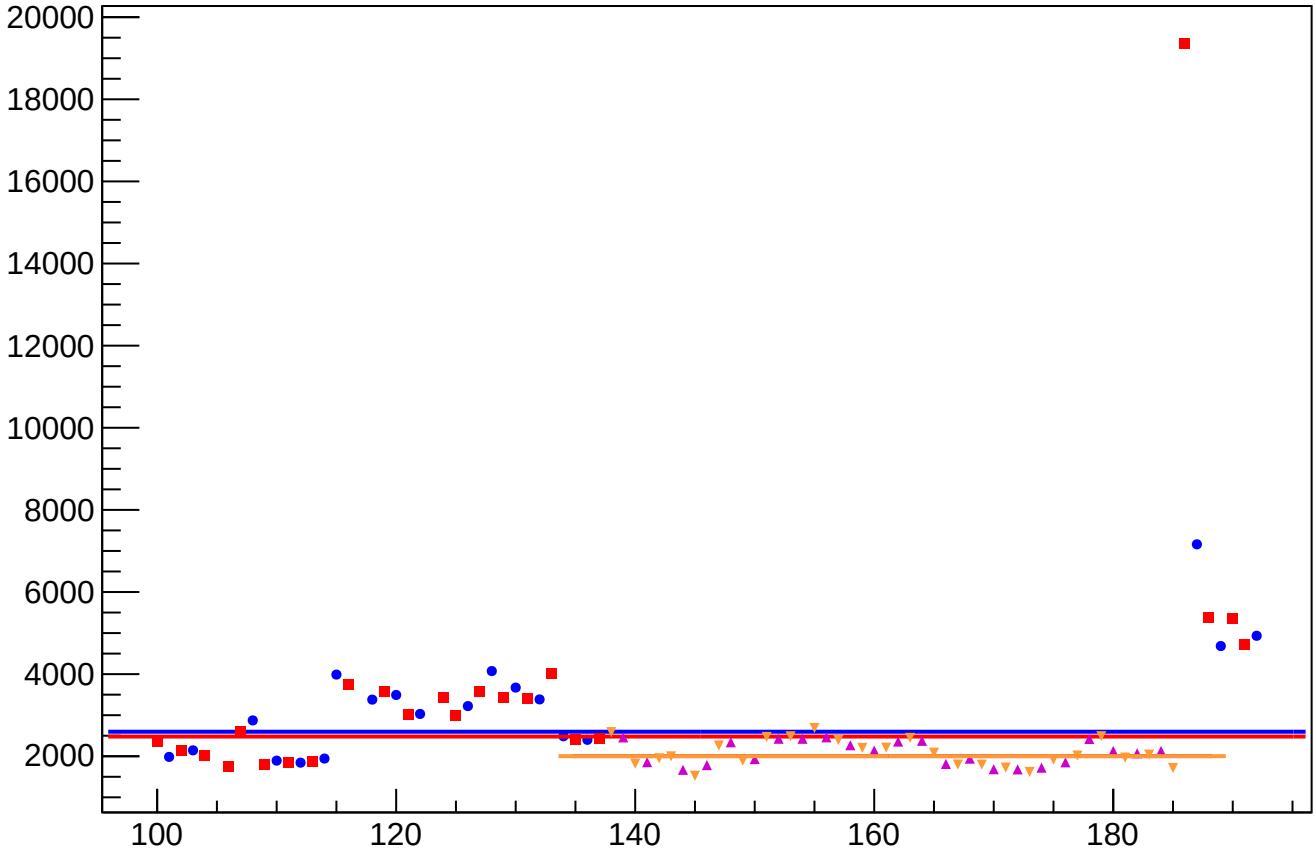
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

\+ sign -1835.139+/-412.638 χ^2/NDF: 79.8/43

All: -1294.375+/-293.298 χ^2/NDF: 130.4/89

\- sign -742.198+/-416.970 χ^2/NDF: 47.1/45

asym_sam4_cor_correction_rms vs Slug



Right In: 2597.458+/-0.651 χ^2/NDF: 1730616.5/18

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

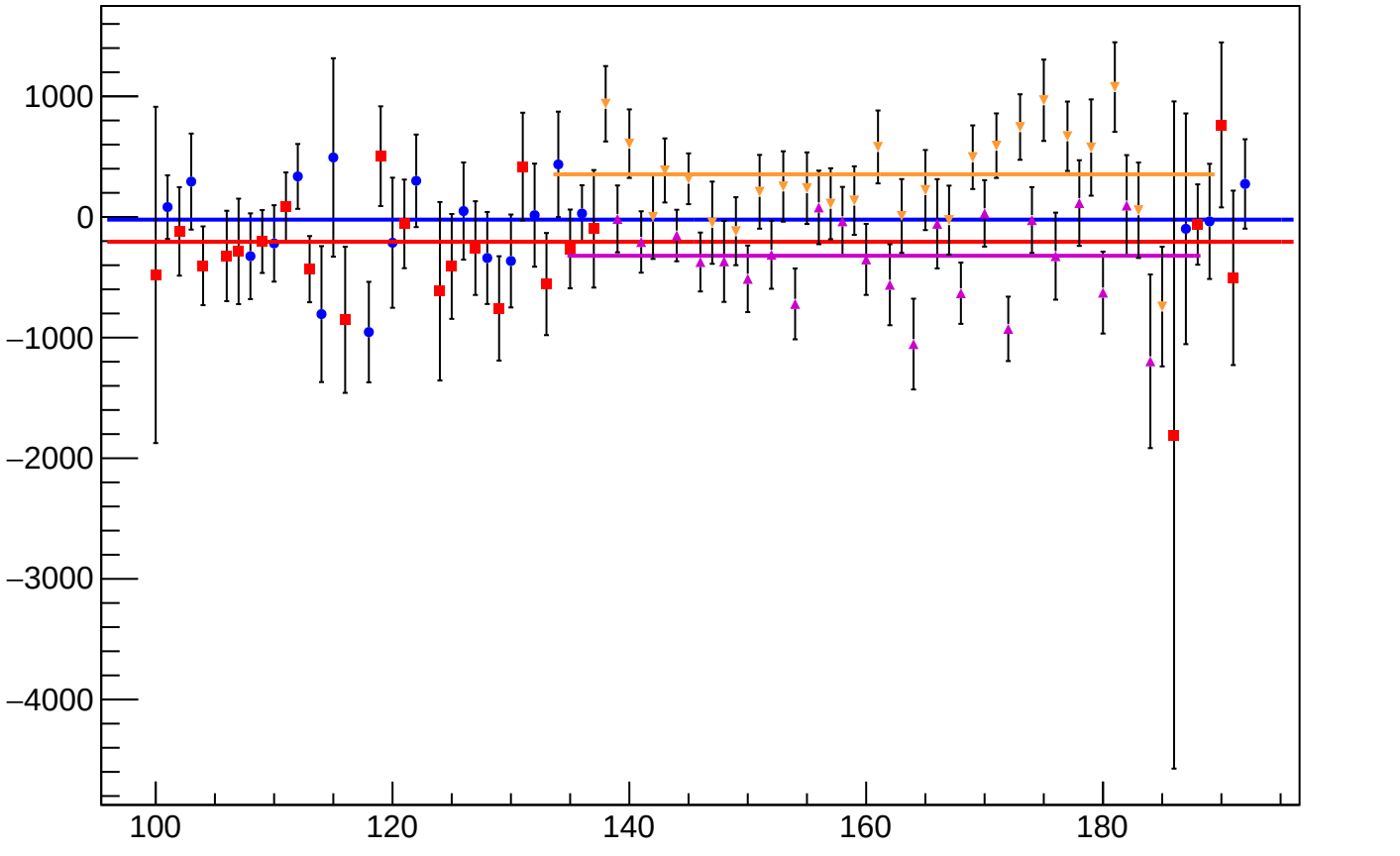
Right Out: 2479.971+/-0.620 χ^2/NDF: 2575822.8/22

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2121.905+/-0.292 χ^2/NDF: 3291819.0/43

All: 2116.988+/-0.207 χ^2/NDF: 7029155.5/89

- sign 2111.968+/-0.295 χ^2/NDF: 3736762.5/45



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

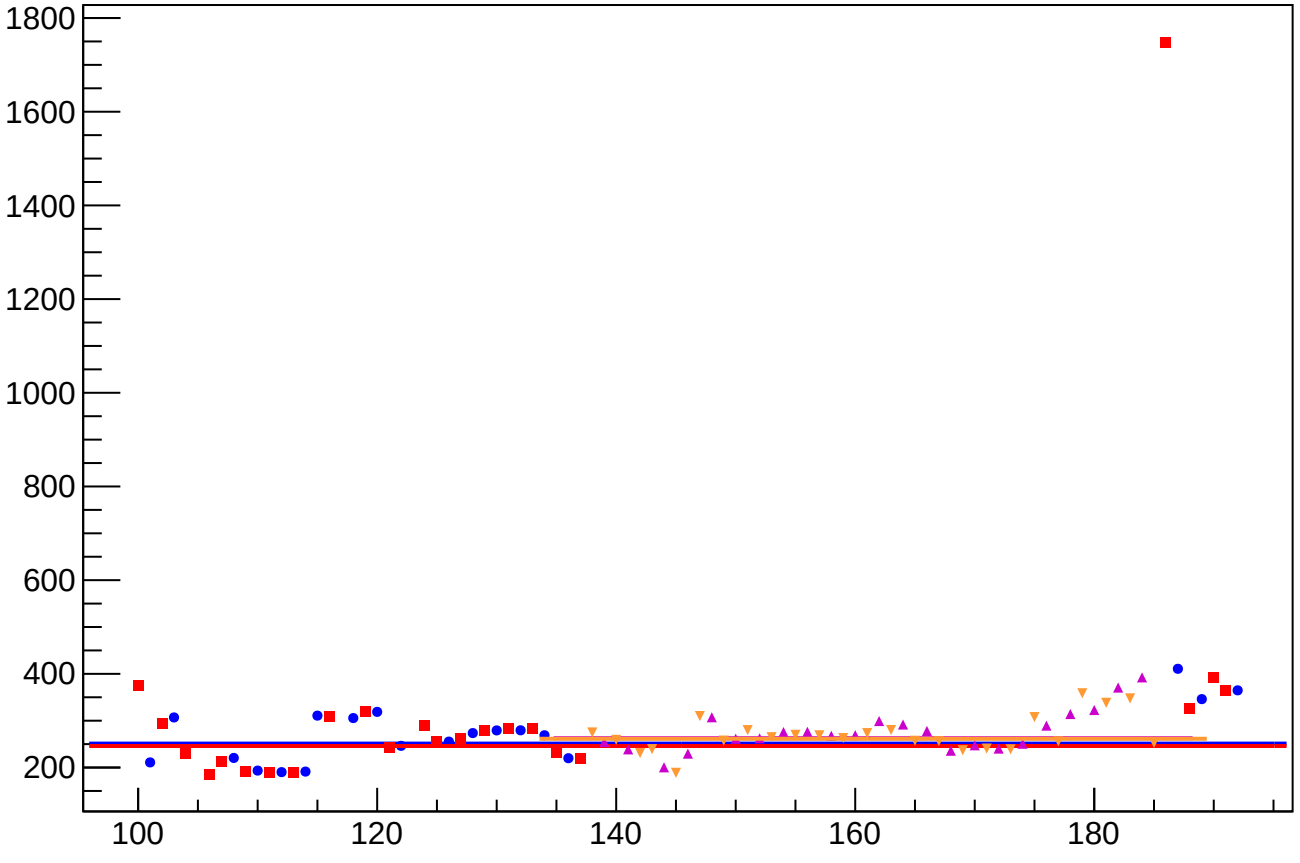
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 230.644+/-49.329 χ^2/NDF: 60.3/43

All: -21.977+/-35.078 χ^2/NDF: 154.9/89

- sign -280.375+/-49.890 χ^2/NDF: 41.6/45

eigen_cor_asym_sam4_rms vs Slug



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

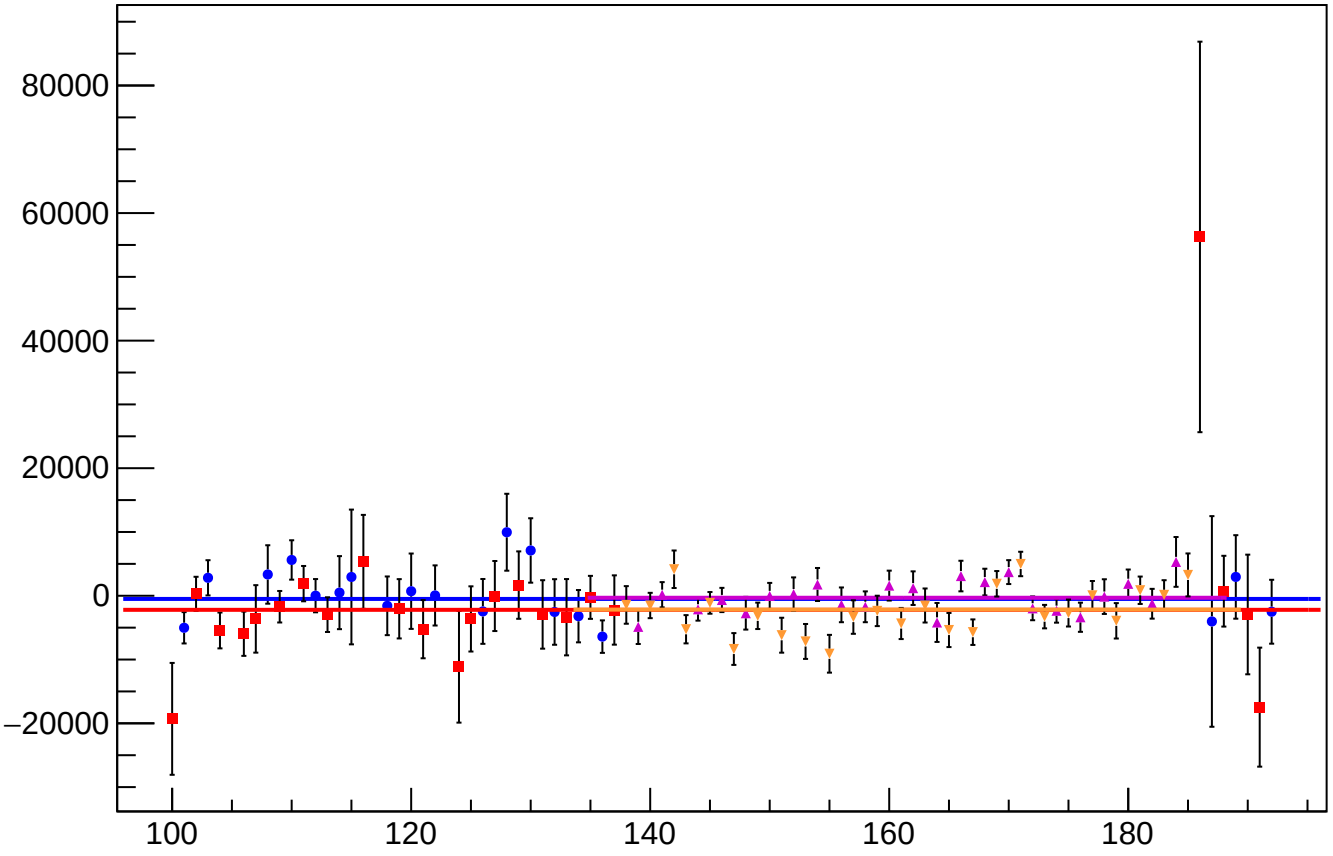
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 258.077+/-0.035 χ^2/NDF: 1492180.9/43

All: 257.404+/-0.025 χ^2/NDF: 3582751.3/89

- sign 256.716+/-0.035 χ^2/NDF: 2089818.3/45

asym_sam4_eigen_cor_correction_mean vs Slug



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

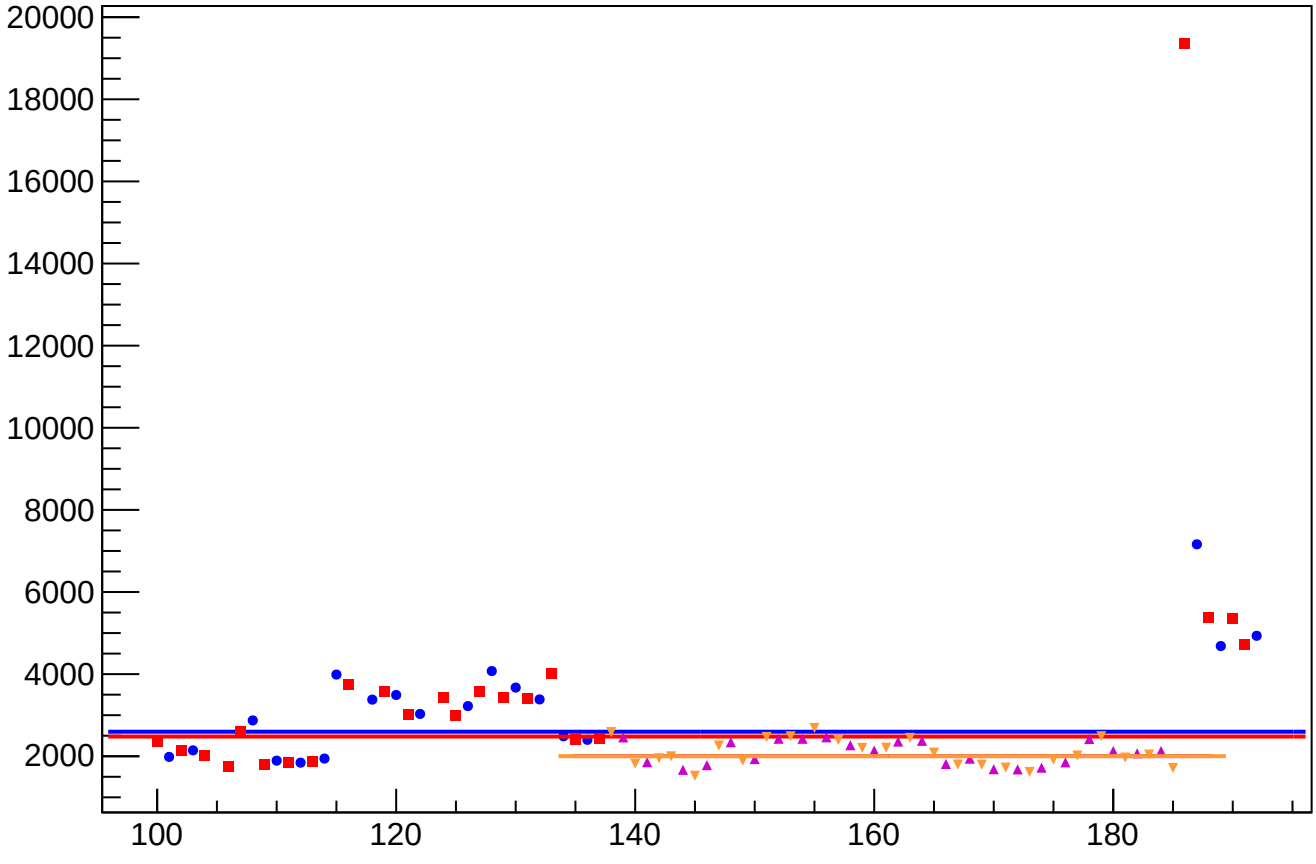
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1835.139+/-412.638 χ^2/NDF: 79.8/43

All: -1294.375+/-293.298 χ^2/NDF: 130.4/89

- sign -742.198+/-416.970 χ^2/NDF: 47.1/45

asym_sam4_eigen_cor_correction_rms vs Slug



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

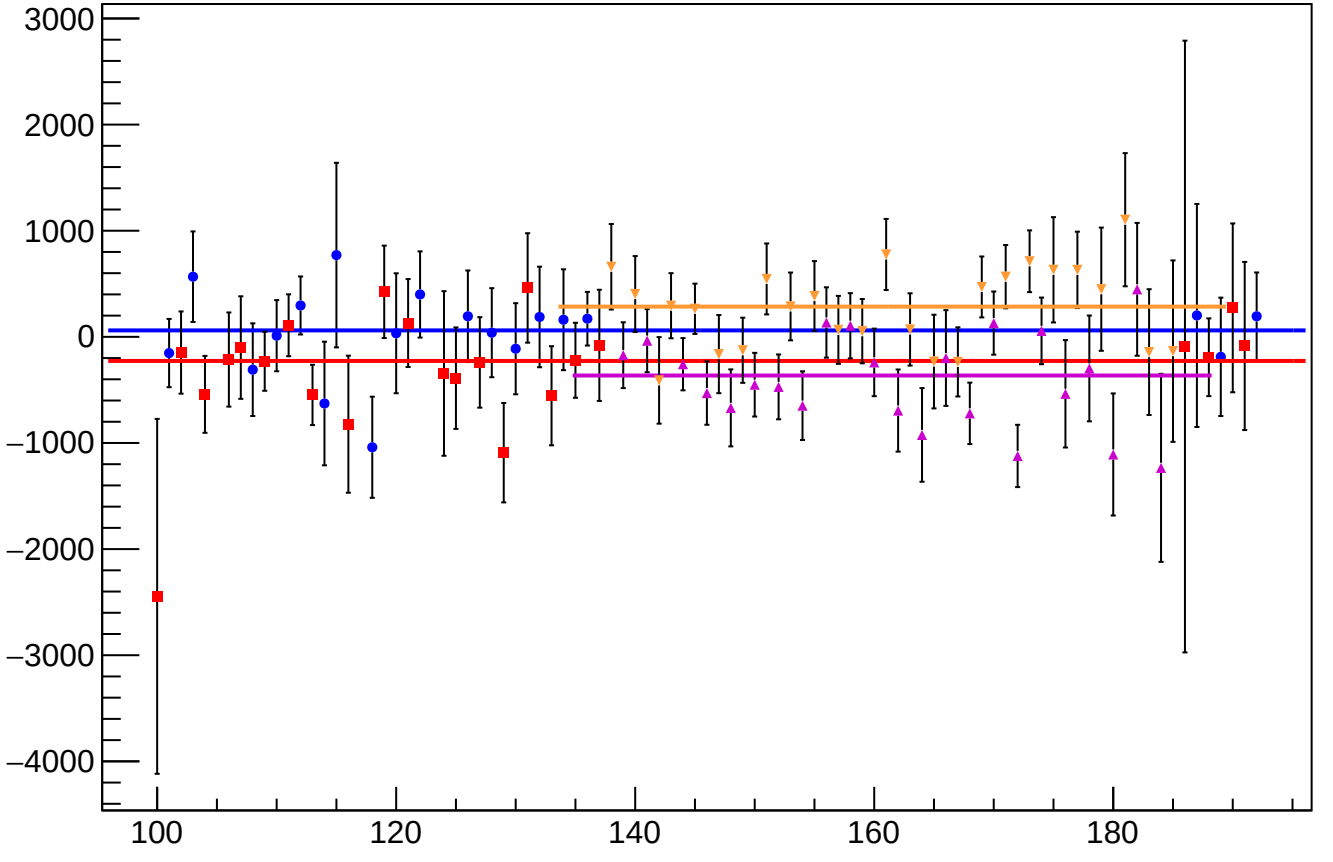
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2121.905+/-0.292 χ^2/NDF: 3291819.0/43

All: 2116.988+/-0.207 χ^2/NDF: 7029155.5/89

- sign 2111.968+/-0.295 χ^2/NDF: 3736762.5/45

dit_asym_sam4_mean vs Slug



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

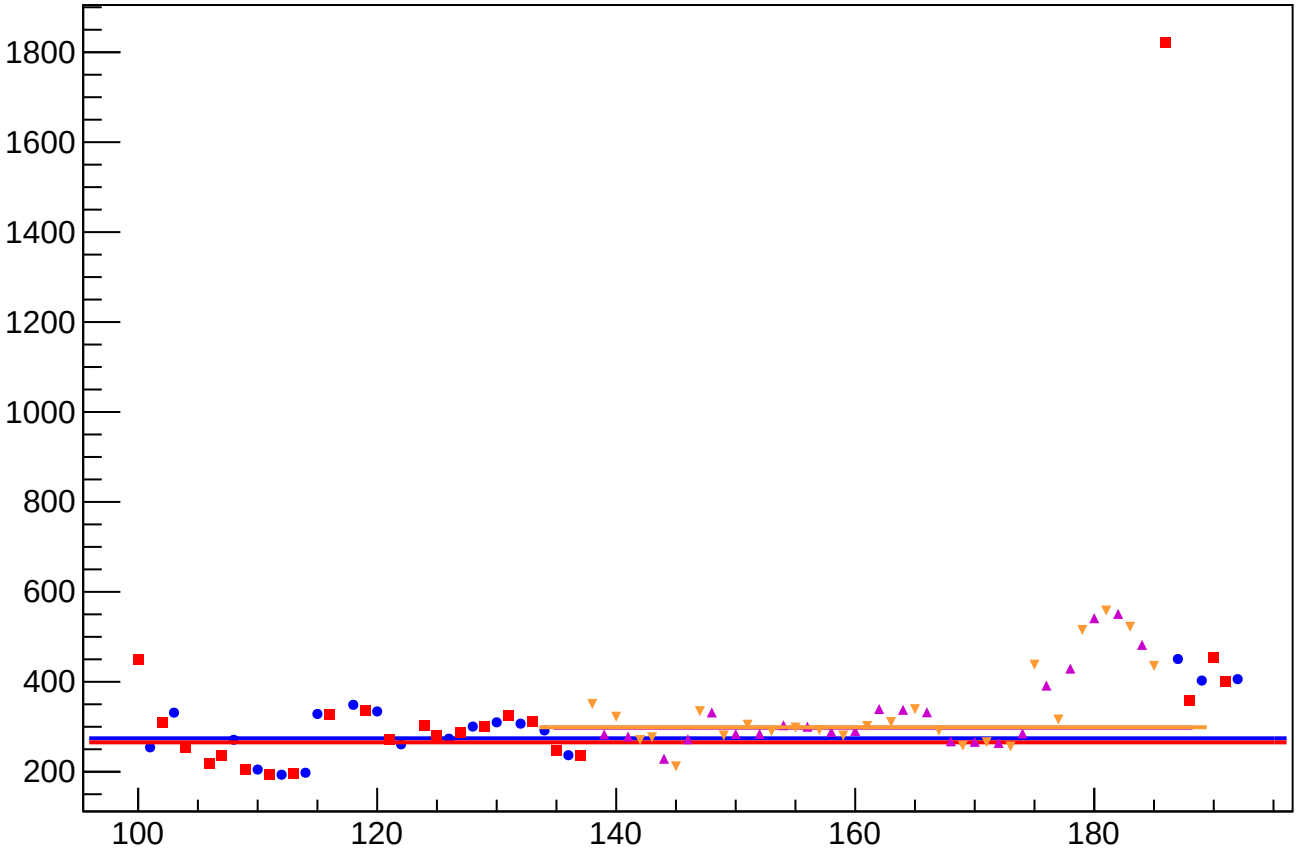
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 205.652+/-56.306 χ^2/NDF: 38.8/43

All: -53.045+/-39.801 χ^2/NDF: 126.0/89

- sign -311.389+/-56.268 χ^2/NDF: 45.0/45

dit_asym_sam4_rms vs Slug



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

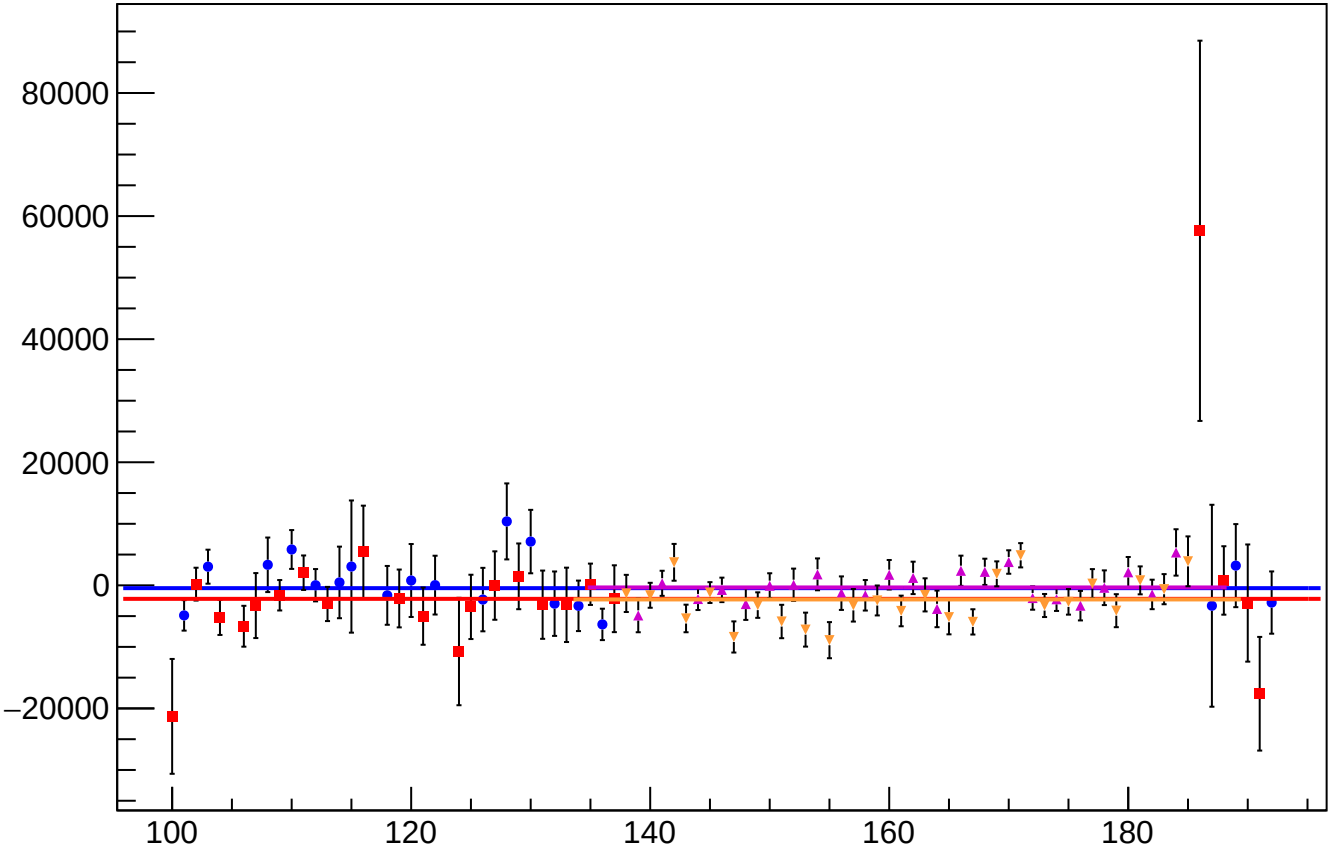
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

\+ sign 290.238+/-0.040 χ^2/NDF: 2564584.8/43

All: 287.807+/-0.028 χ^2/NDF: 5502557.2/89

\- sign 285.380+/-0.040 χ^2/NDF: 2930524.4/45

asym_sam4_dit_correction_mean vs Slug



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

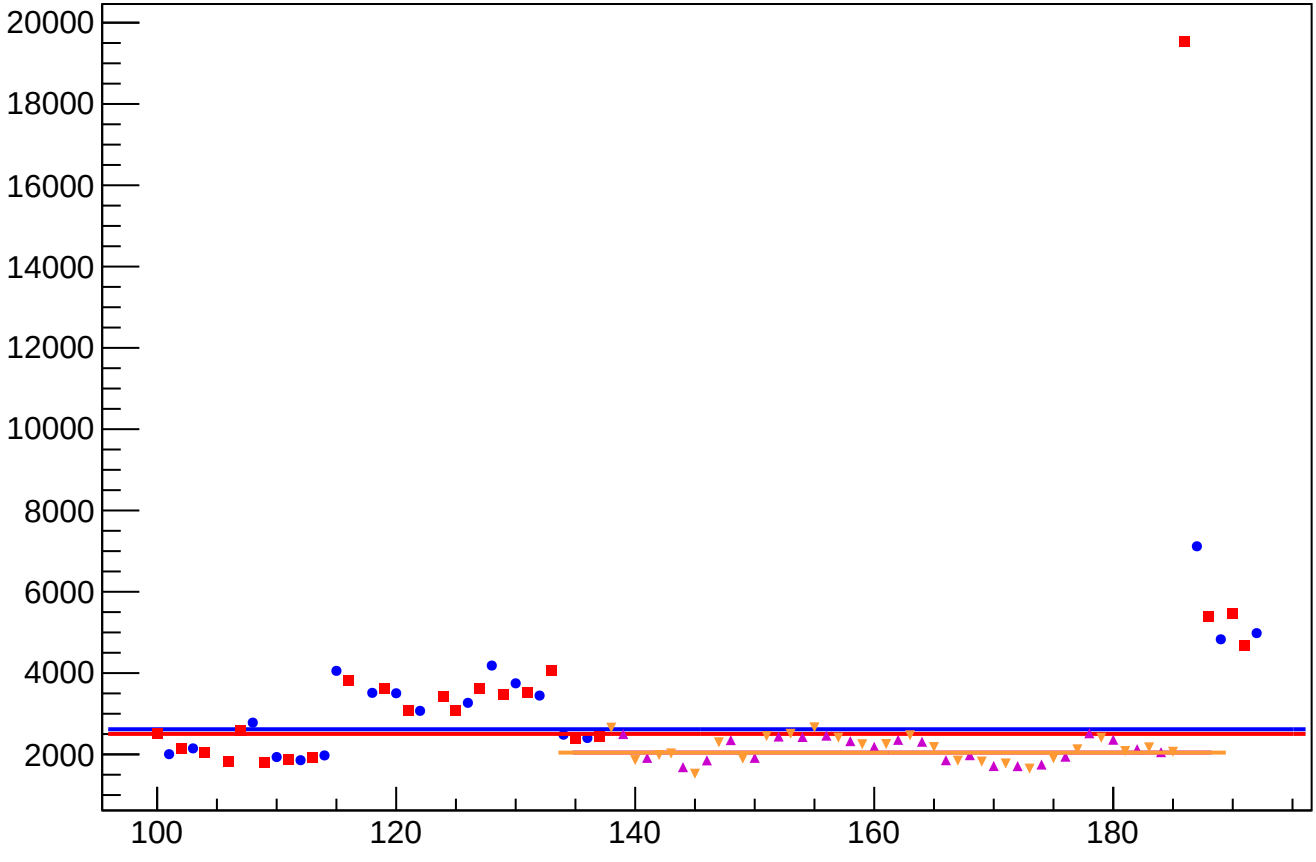
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -1915.933+/-419.669 χ^2/NDF: 76.5/43

All: -1349.534+/-298.257 χ^2/NDF: 127.3/89

- sign -771.493+/-423.961 χ^2/NDF: 47.1/45

asym_sam4_dit_correction_rms vs Slug



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

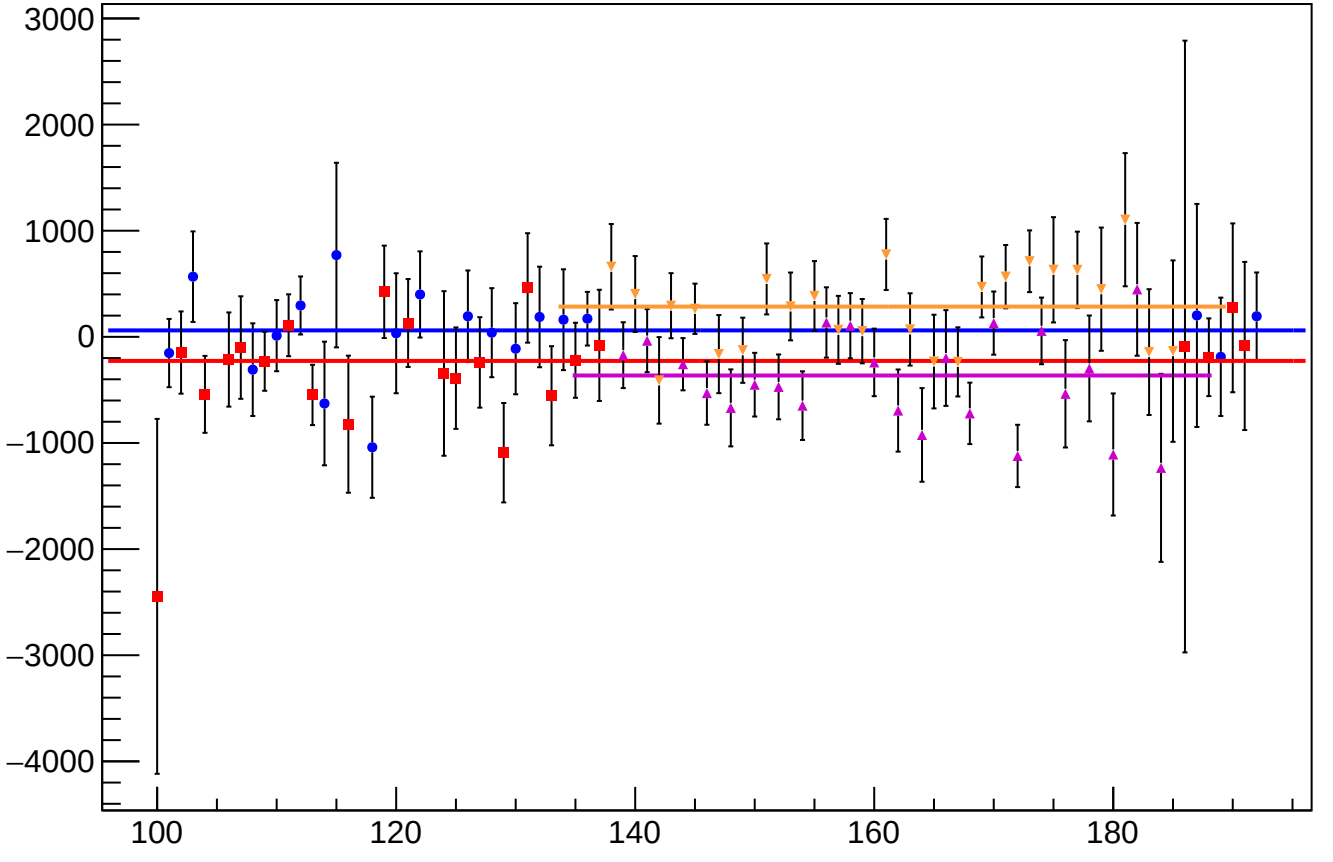
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

\+ sign 2161.252+/-0.297 χ^2/NDF: 3227396.6/43

All: 2156.347+/-0.211 χ^2/NDF: 6911319.8/89

\- sign 2151.341+/-0.300 χ^2/NDF: 3683371.2/45

eigen_dit_asym_sam4_mean vs Slug



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

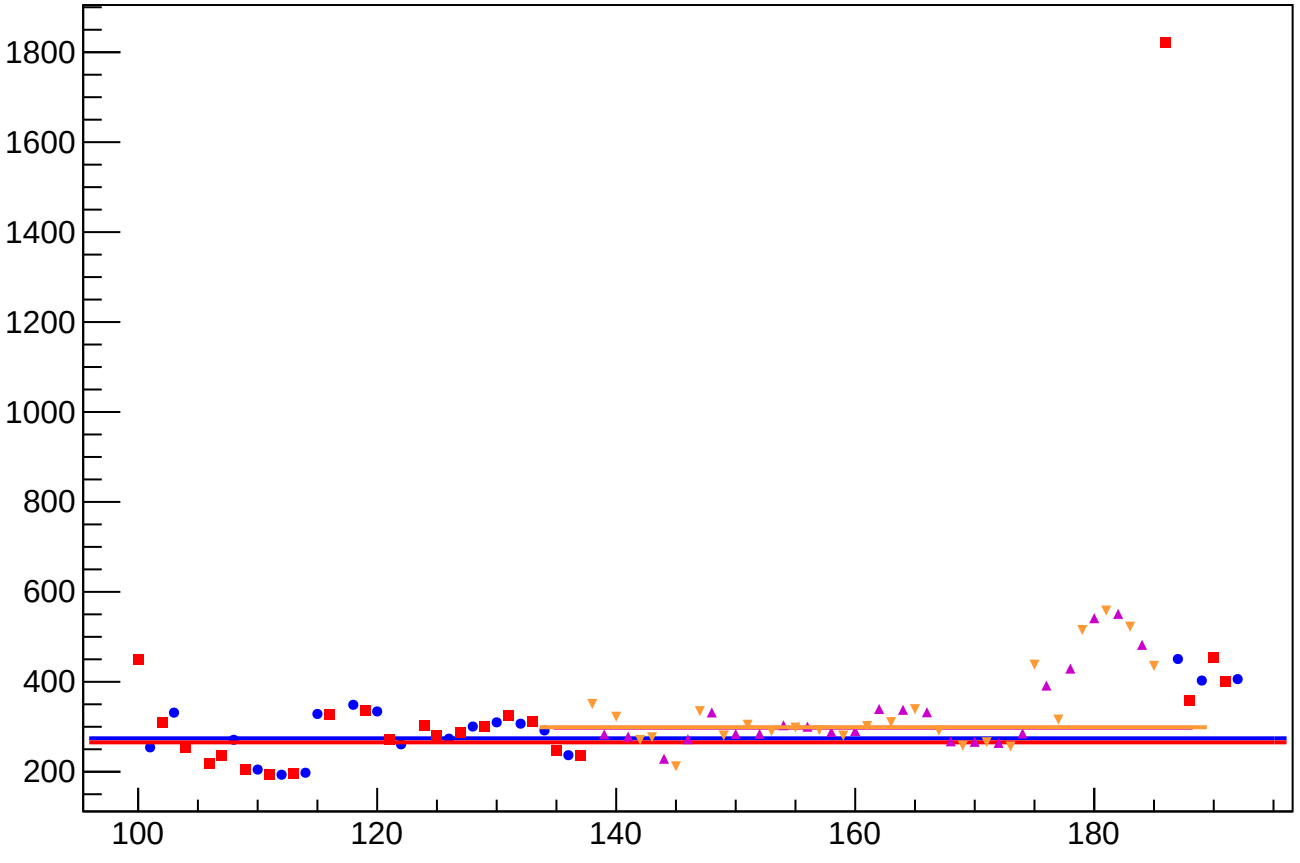
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 205.656+/-56.306 χ^2/NDF: 38.8/43

All: -53.043+/-39.801 χ^2/NDF: 126.0/89

- sign -311.390+/-56.268 χ^2/NDF: 45.0/45

eigen_dit_asym_sam4_rms vs Slug



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

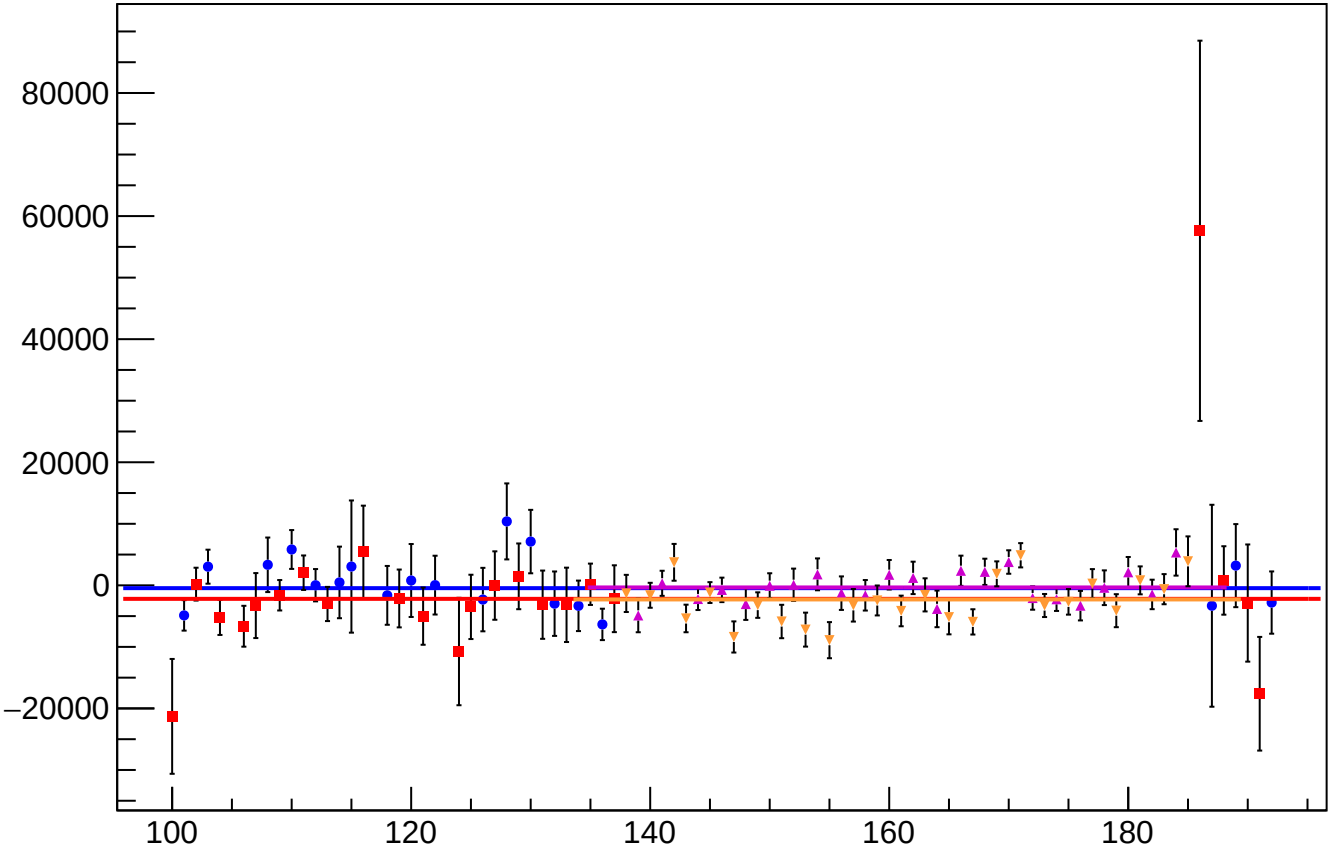
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

\+ sign 290.238+/-0.040 χ^2/NDF: 2564580.0/43

All: 287.807+/-0.028 χ^2/NDF: 5502541.6/89

\- sign 285.380+/-0.040 χ^2/NDF: 2930513.5/45

asym_sam4_eigen_dit_correction_mean vs Slug



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

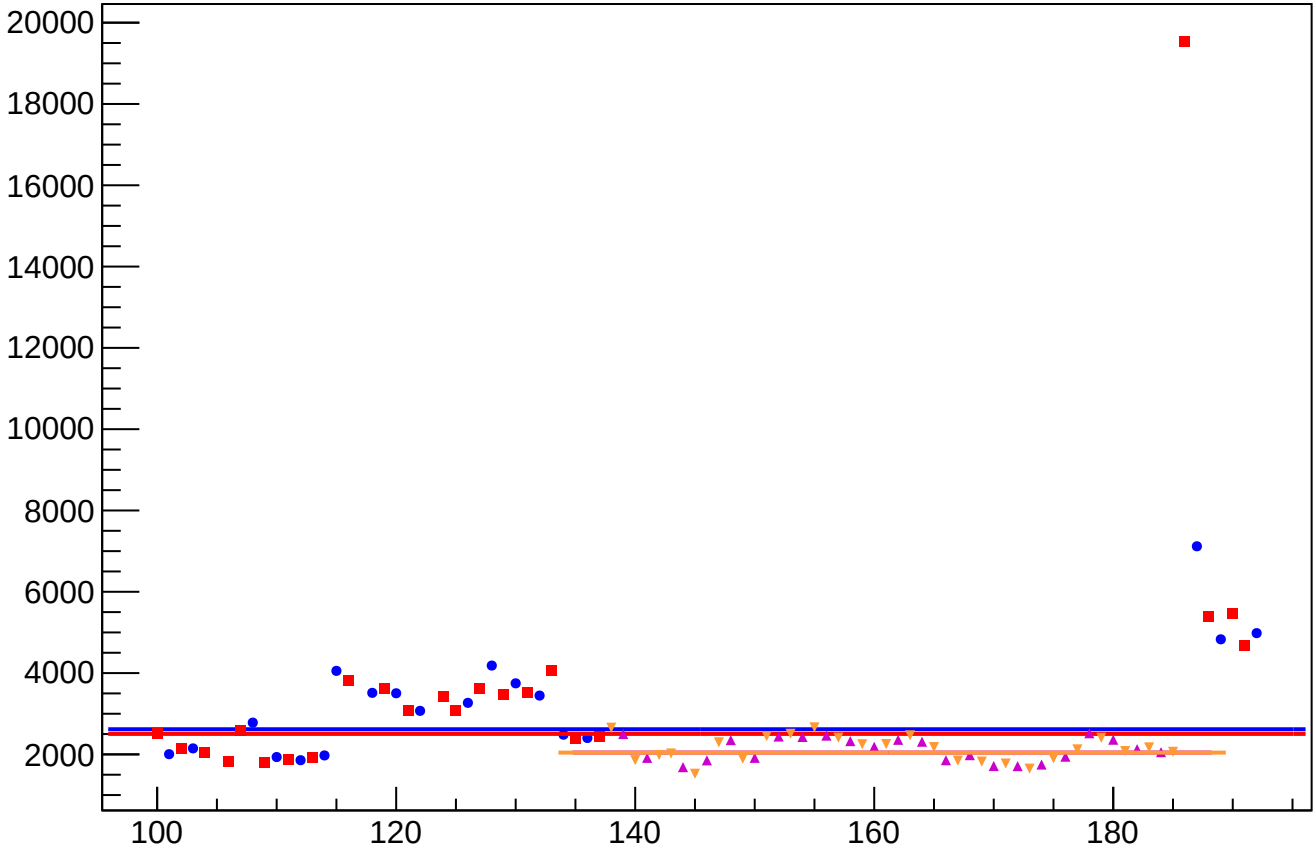
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -1915.929+/-419.669 χ^2/NDF: 76.5/43

All: -1349.531+/-298.256 χ^2/NDF: 127.3/89

- sign -771.490+/-423.960 χ^2/NDF: 47.1/45

asym_sam4_eigen_dit_correction_rms vs Slug



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

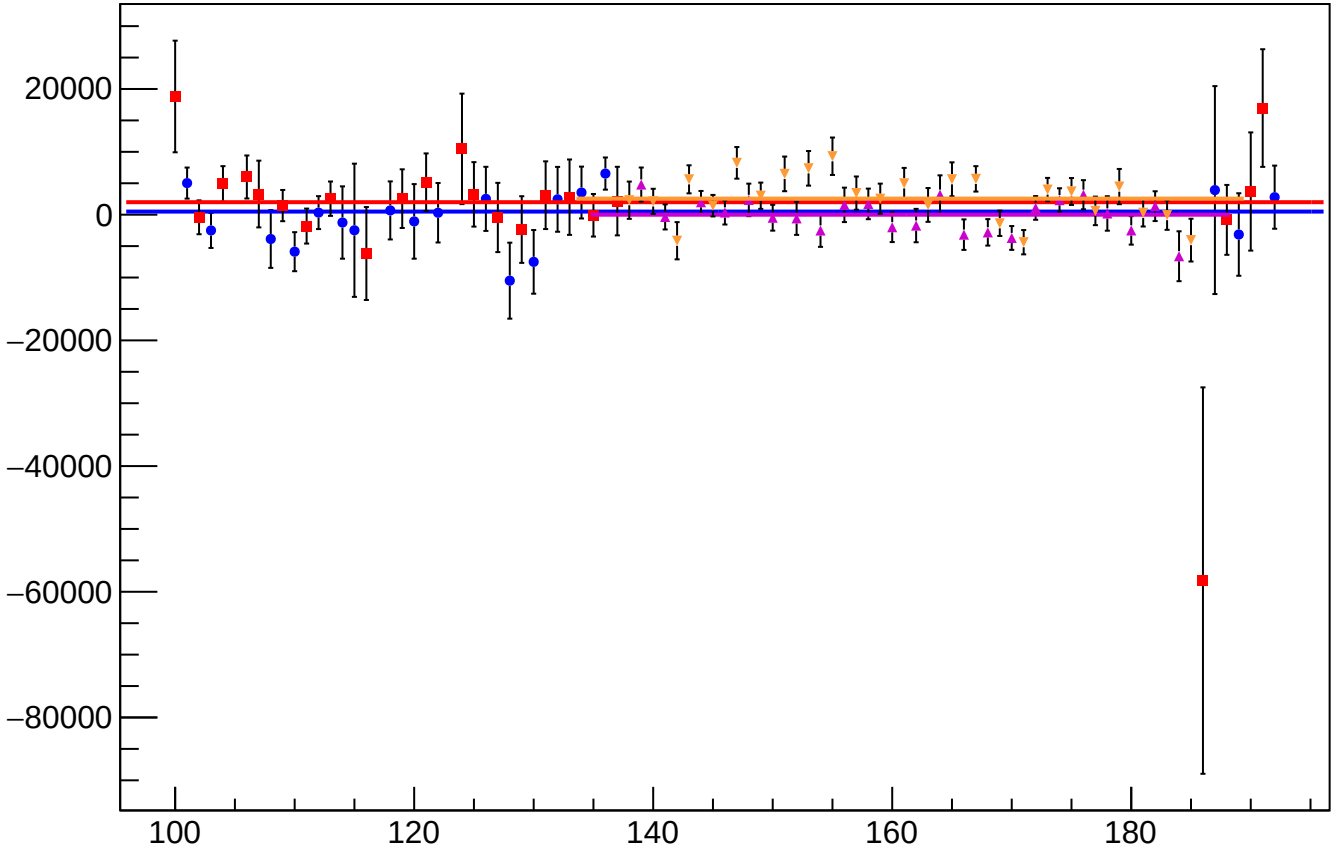
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2161.249+/-0.297 χ^2/NDF: 3227403.4/43

All: 2156.344+/-0.211 χ^2/NDF: 6911328.3/89

- sign 2151.338+/-0.300 χ^2/NDF: 3683372.9/45

asym_sam4_mean vs Slug



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

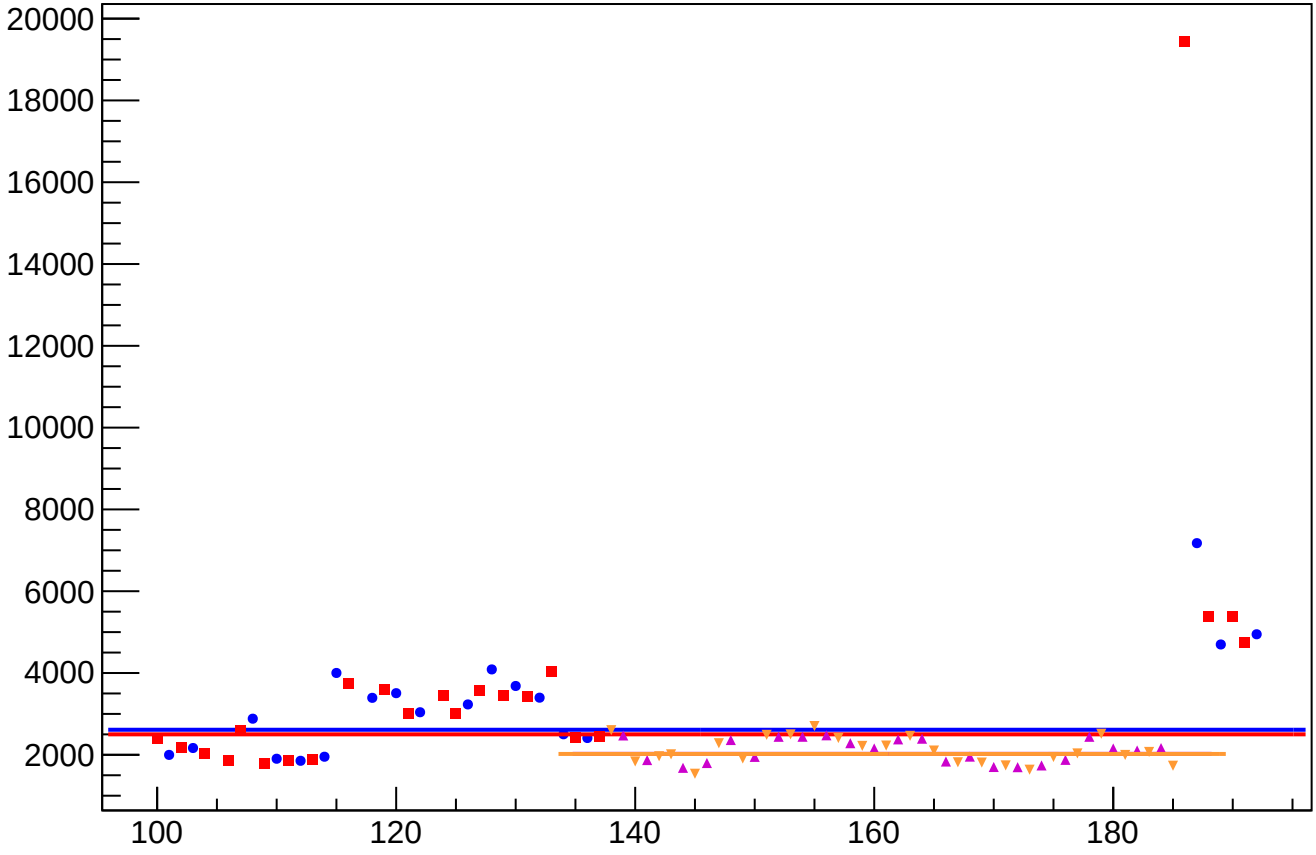
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2141.338+/-416.153 χ^2/NDF: 79.3/43

All: 1304.748+/-295.746 χ^2/NDF: 135.6/89

- sign 451.093+/-420.376 χ^2/NDF: 48.1/45

asym_sam4_rms vs Slug



Right In: 2612.695+/-0.654 χ^2/NDF: 1717289.0/18

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

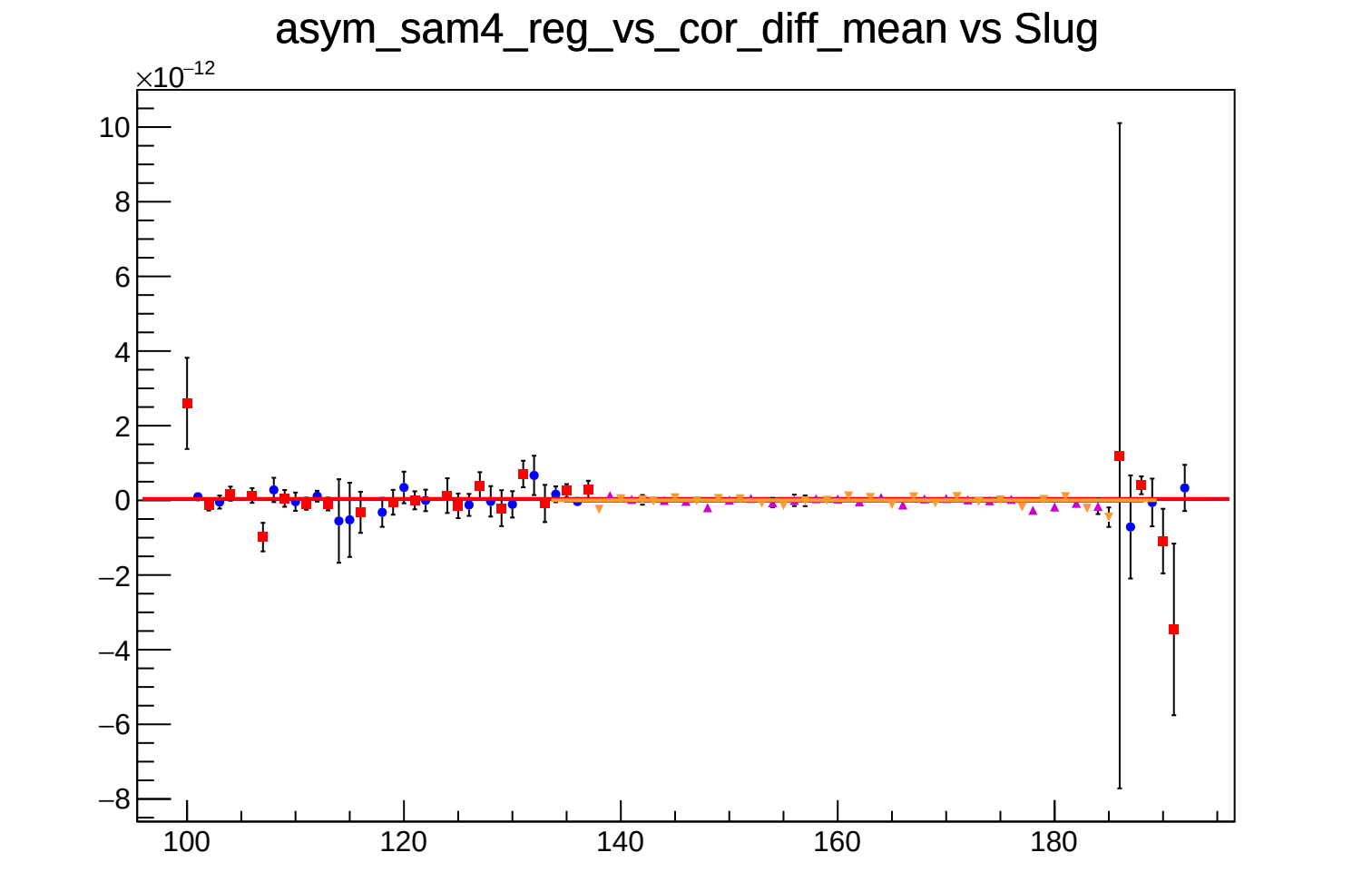
Right Out: 2500.261+/-0.622 χ^2/NDF: 2539257.2/22

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

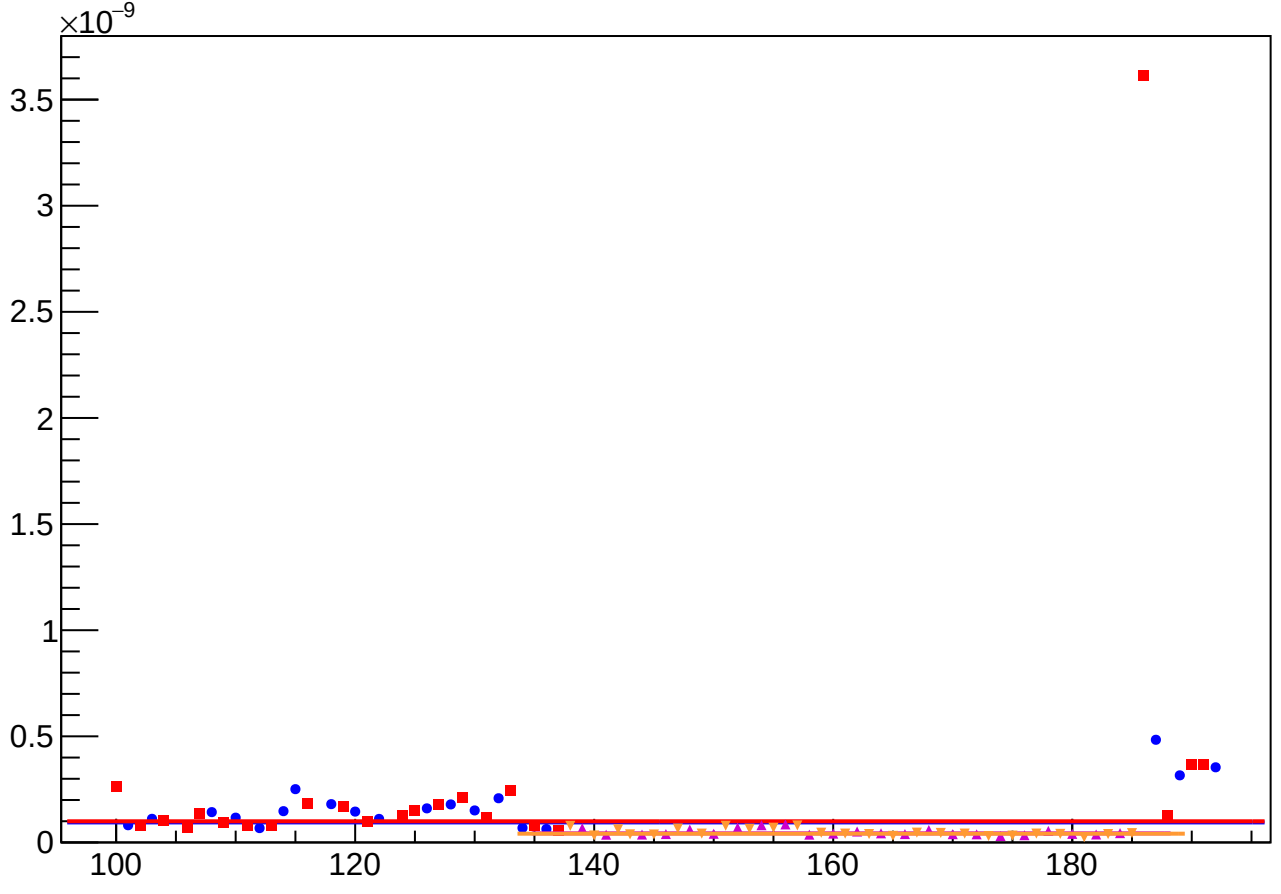
+ sign 2140.913+/-0.294 χ^2/NDF: 3250540.6/43

All: 2136.573+/-0.209 χ^2/NDF: 6939828.0/89

- sign 2132.145+/-0.297 χ^2/NDF: 3688847.9/45


asym_sam4_reg_vs_cor_diff_mean vs Slug
×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: 6.7/18
Left Out: 0.000+/-0.000 χ²/NDF:32.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.6/22
Left In: -0.000+/-0.000 χ²/NDF:20.8/22
+ sign 0.000+/-0.000 χ²/NDF: 39.0/43
All: 0.000+/-0.000 χ²/NDF: 90.7/89
- sign -0.000+/-0.000 χ²/NDF: 51.3/45

asym_sam4_reg_vs_cor_diff_rms vs Slug



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

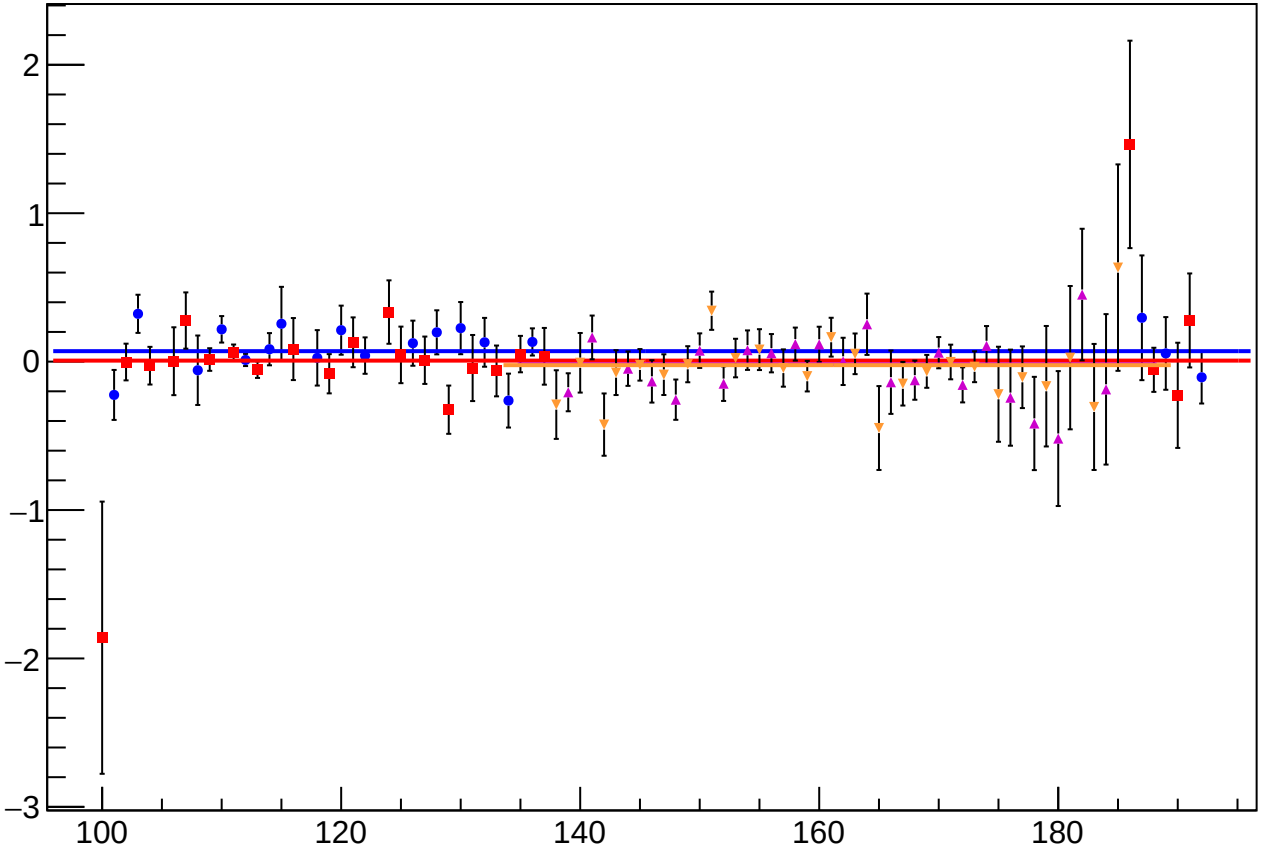
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4821179.5/43

All: 0.000+/-0.000 χ^2/NDF: 9179287.2/89

- sign 0.000+/-0.000 χ^2/NDF: 4338888.0/45

asym_sam4_dit_vs_cor_diff_mean vs Slug



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

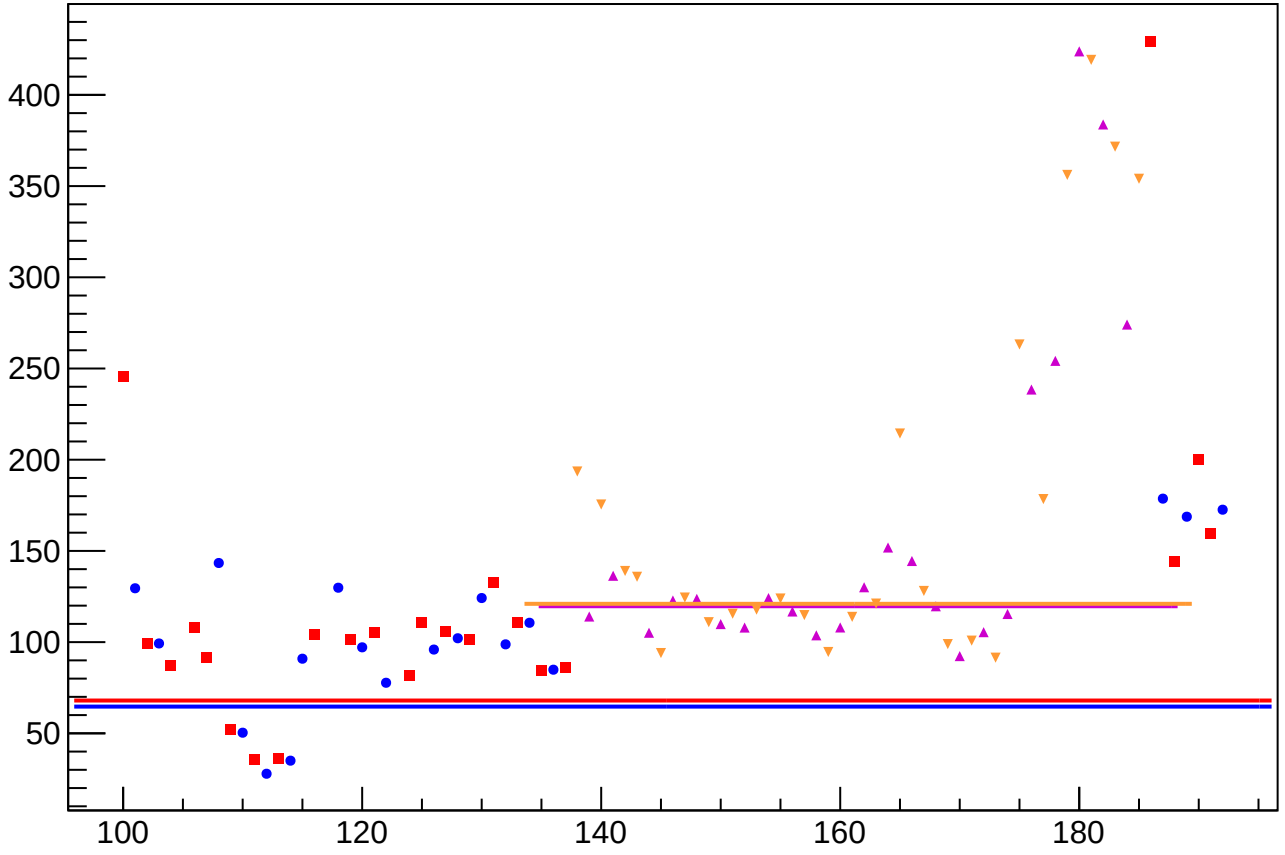
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.0/43

All: 0.012+/-0.014 χ^2/NDF: 95.0/89

- sign -0.004+/-0.020 χ^2/NDF: 45.5/45

asym_sam4_dit_vs_cor_diff_rms vs Slug



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

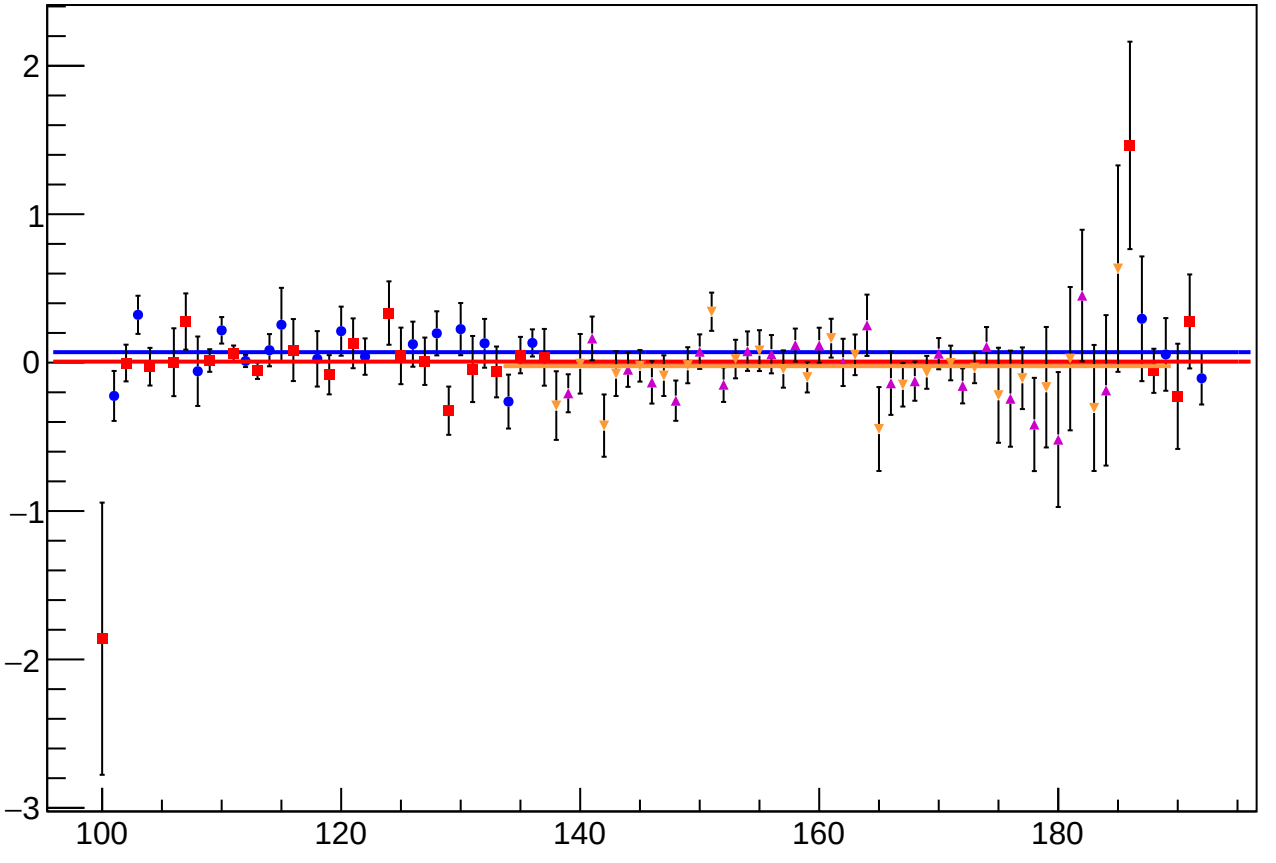
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

\+ sign 89.434+/-0.014 χ^2/NDF: 12915002.4/43

All: 89.810+/-0.010 χ^2/NDF: 23307974.5/89

\- sign 90.185+/-0.014 χ^2/NDF: 10391534.3/45

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



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

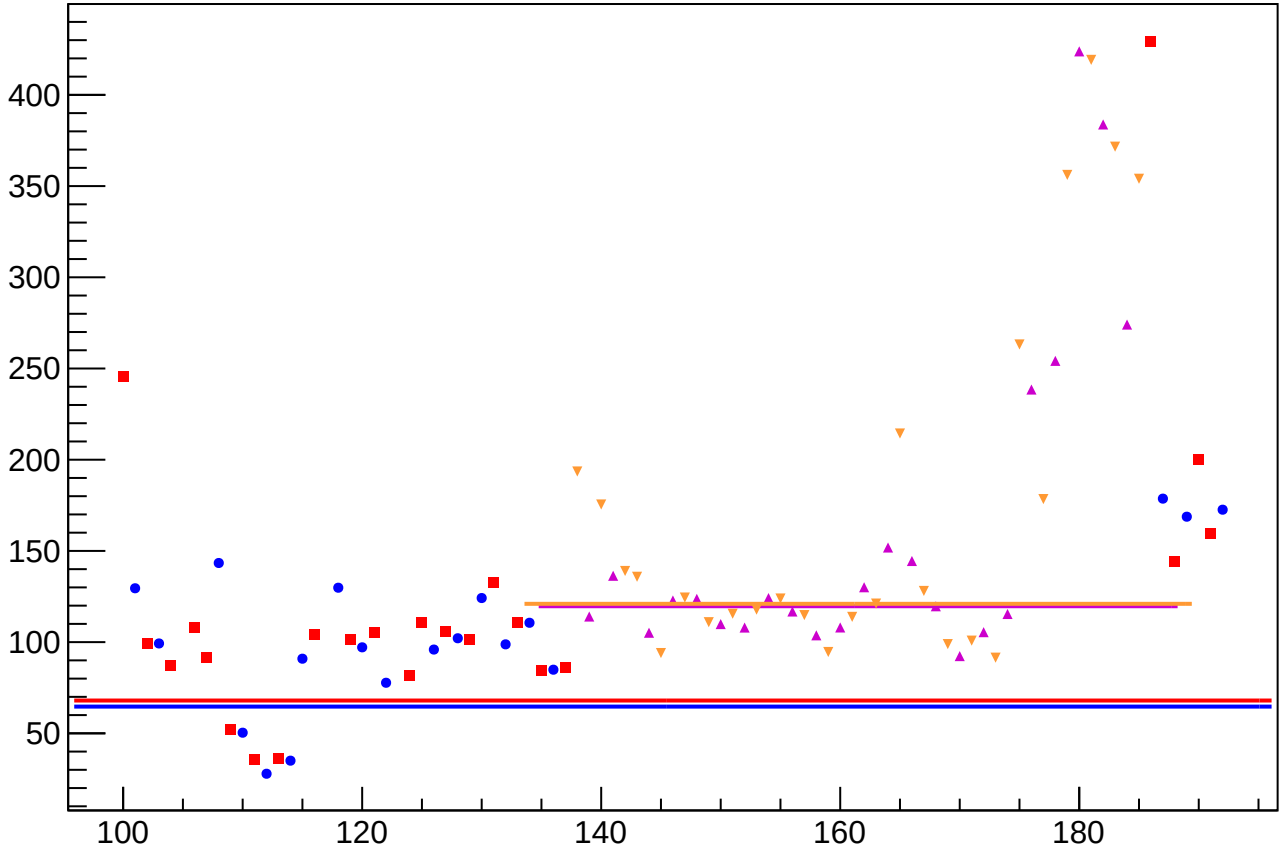
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.0/43

All: 0.012+/-0.014 χ^2/NDF: 95.0/89

- sign -0.004+/-0.020 χ^2/NDF: 45.5/45

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 64.659+/-0.019 χ^2/NDF: 4842009.4/18

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

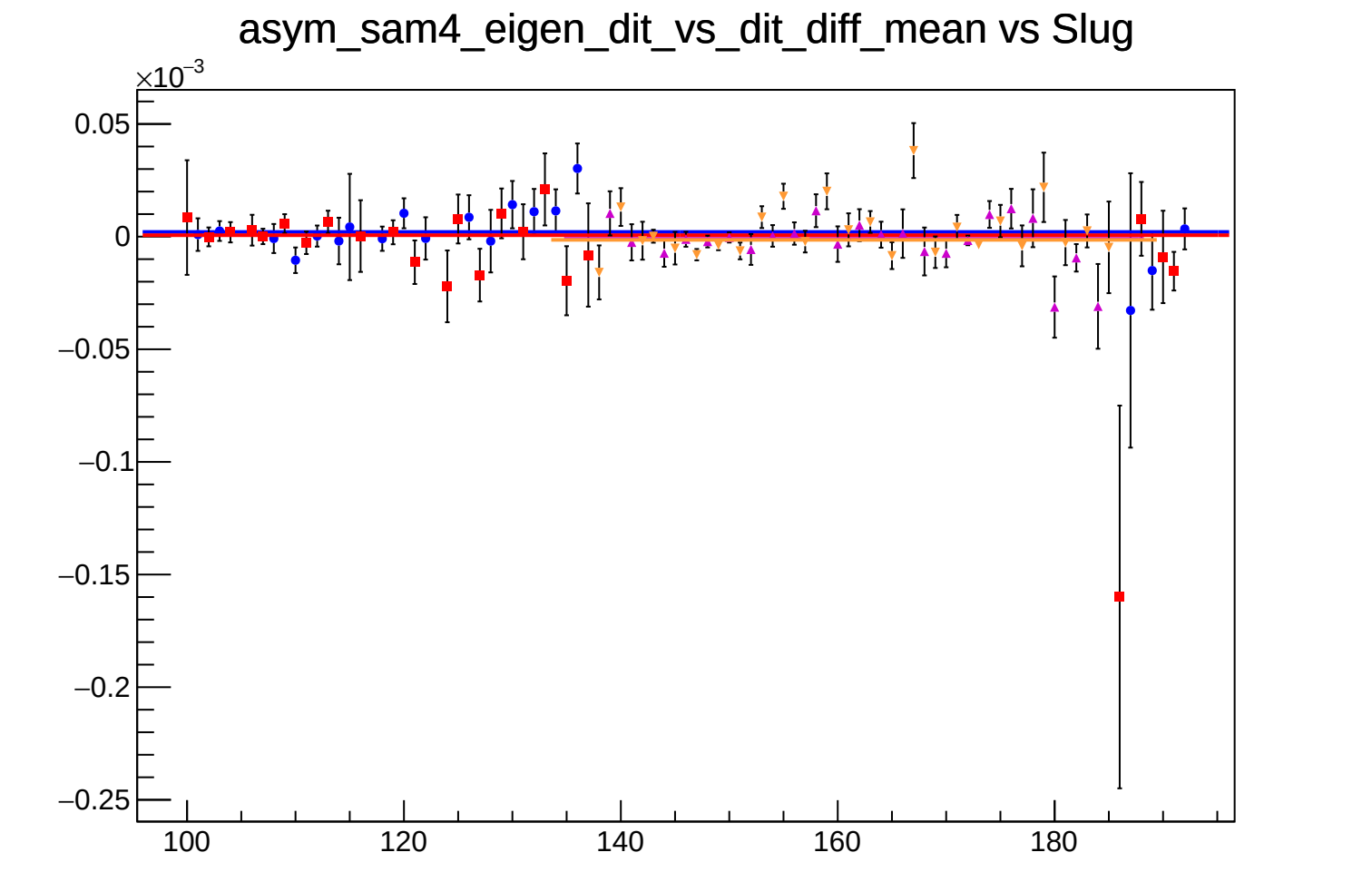
Right Out: 67.987+/-0.019 χ^2/NDF: 4215530.3/22

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 89.434+/-0.014 χ^2/NDF: 12915002.4/43

All: 89.810+/-0.010 χ^2/NDF: 23307974.5/89

- sign 90.185+/-0.014 χ^2/NDF: 10391534.3/45



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

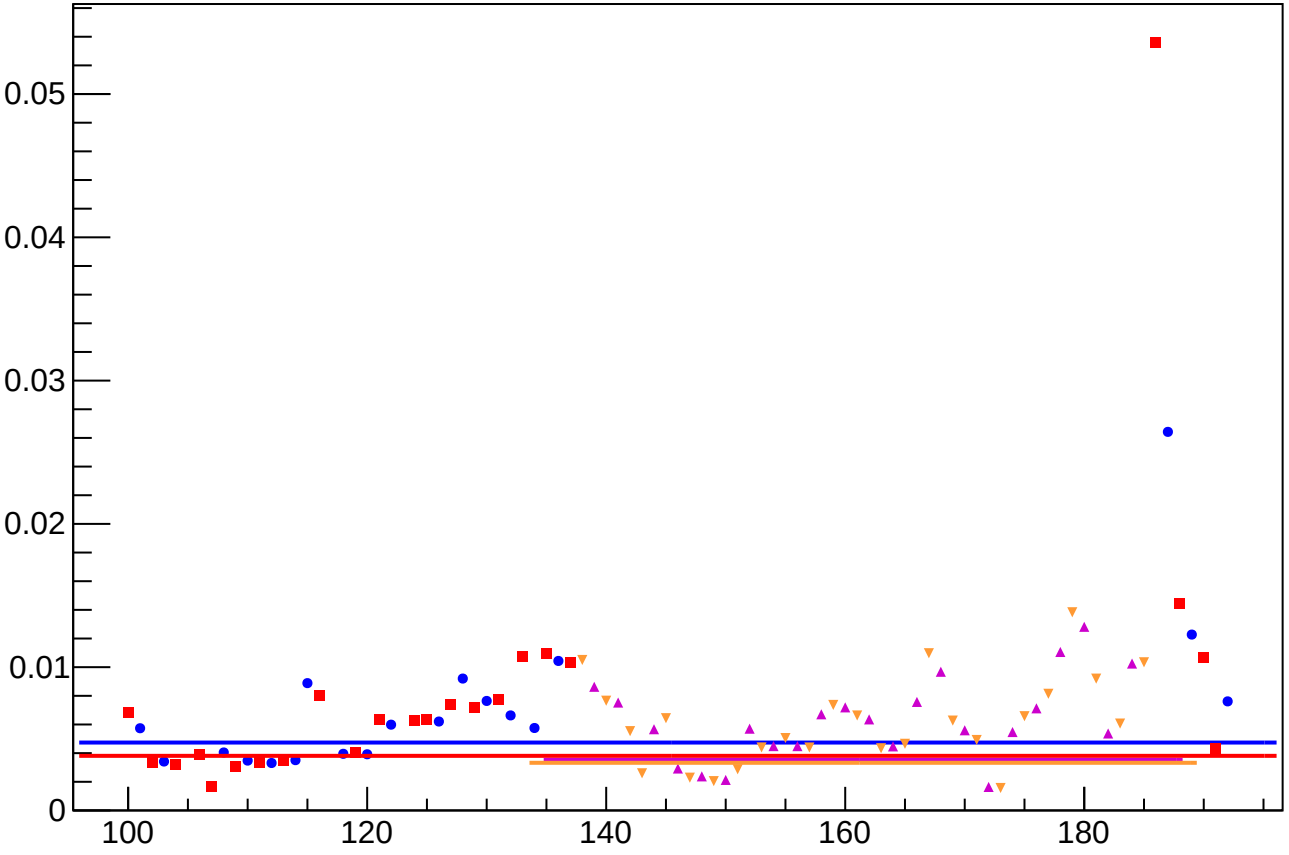
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.4/43

All: -0.000+/-0.000 χ^2/NDF: 129.4/89

- sign -0.000+/-0.000 χ^2/NDF: 47.0/45

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



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

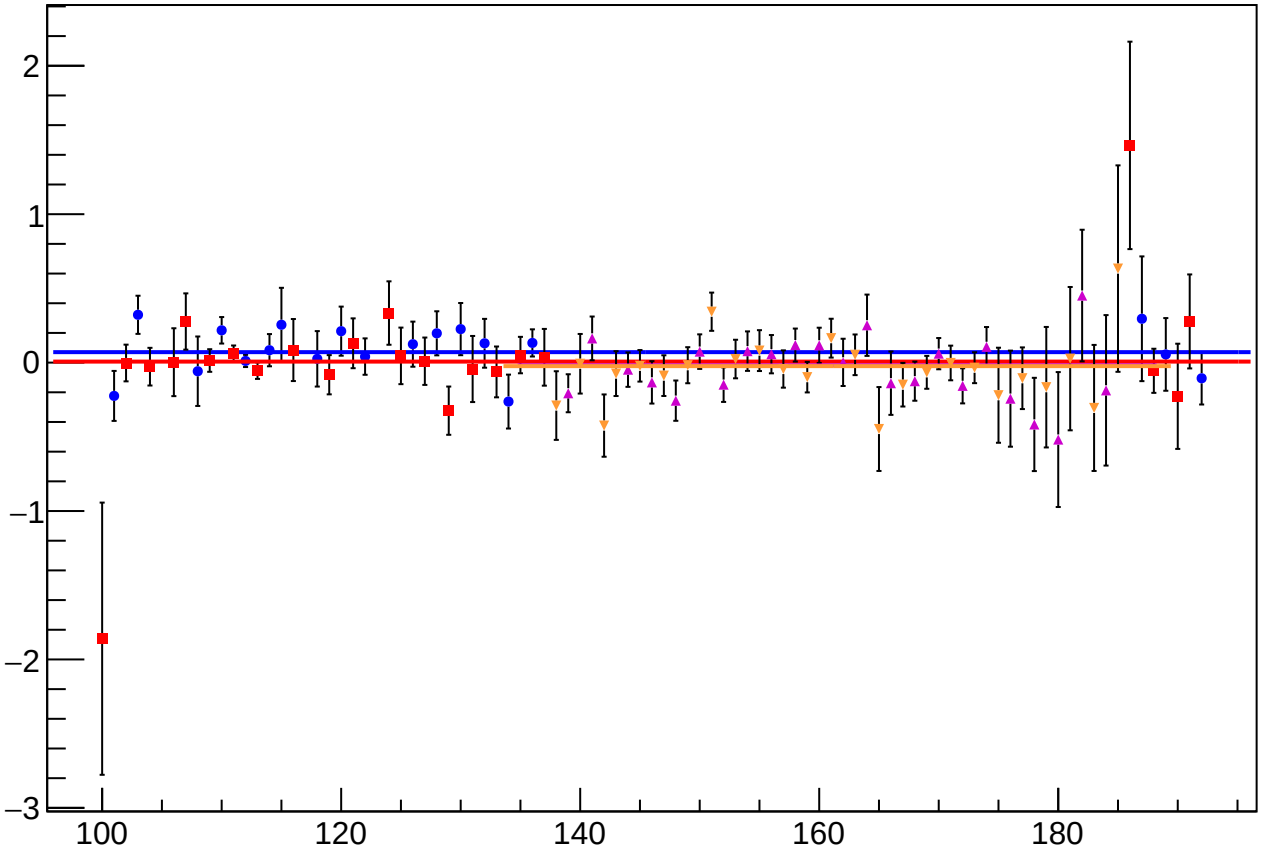
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

\+ sign 0.004+/-0.000 χ^2/NDF: 14078184.6/43

All: 0.004+/-0.000 χ^2/NDF: 28275416.1/89

\- sign 0.004+/-0.000 χ^2/NDF: 14197157.2/45

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



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

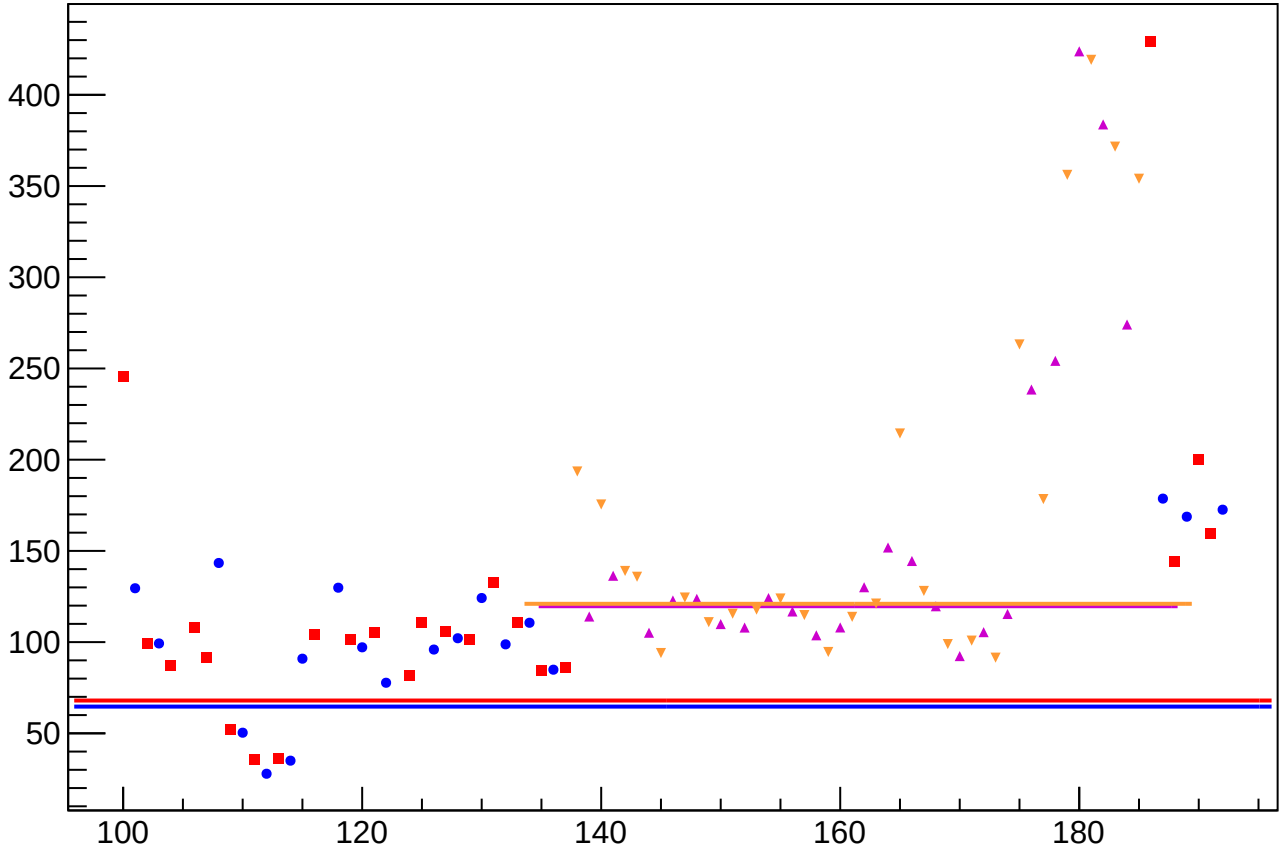
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.0/43

All: 0.012+/-0.014 χ^2/NDF: 95.0/89

- sign -0.004+/-0.020 χ^2/NDF: 45.5/45

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 64.657+/-0.019 χ^2/NDF: 4842297.1/18

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

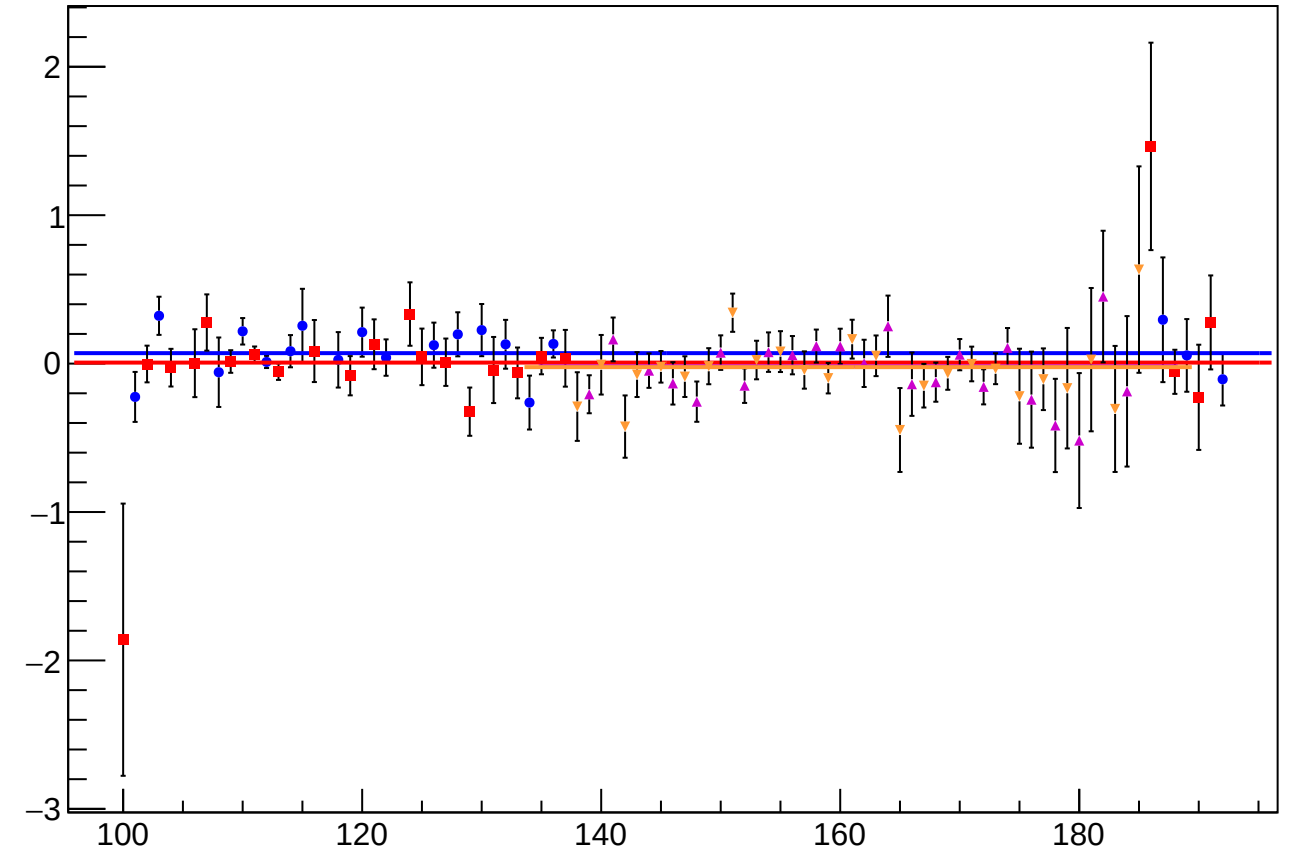
Right Out: 67.985+/-0.019 χ^2/NDF: 4215846.7/22

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 89.432+/-0.014 χ^2/NDF: 12915721.5/43

All: 89.808+/-0.010 χ^2/NDF: 23309330.5/89

- sign 90.184+/-0.014 χ^2/NDF: 10392169.9/45



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

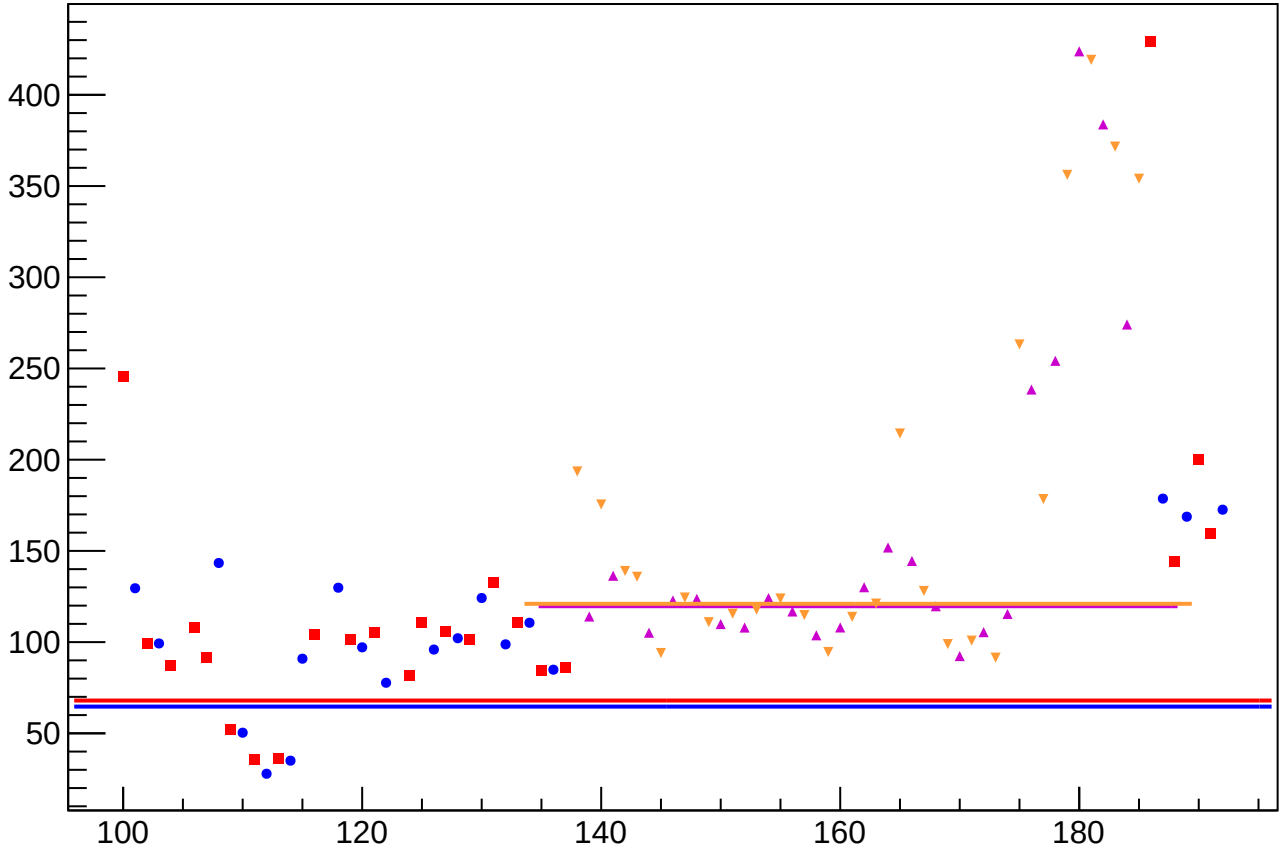
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.0/43

All: 0.012+/-0.014 χ^2/NDF: 95.0/89

- sign -0.004+/-0.020 χ^2/NDF: 45.5/45

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

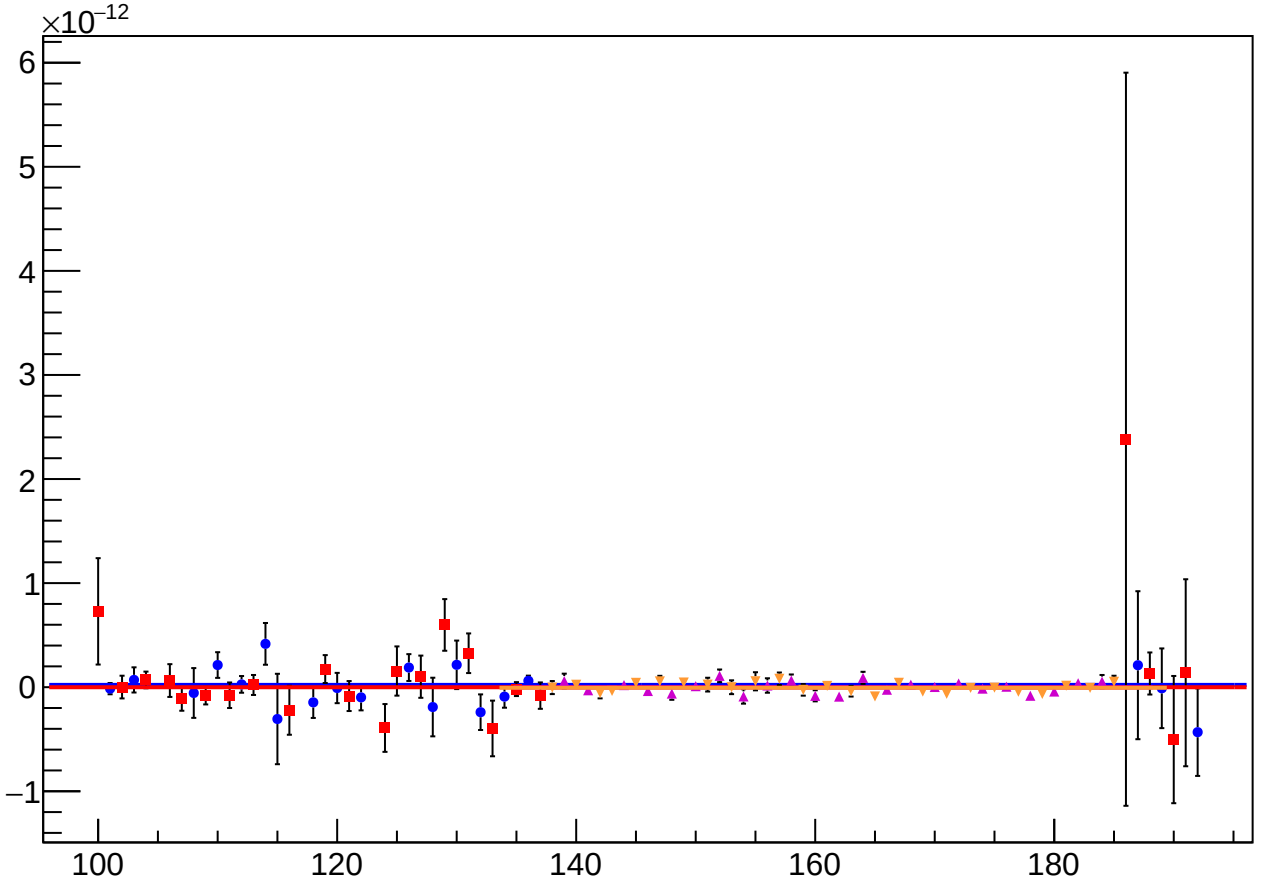
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 89.432+/-0.014 χ^2/NDF: 12915721.5/43

All: 89.808+/-0.010 χ^2/NDF: 23309330.5/89

- sign 90.184+/-0.014 χ^2/NDF: 10392169.9/45

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



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

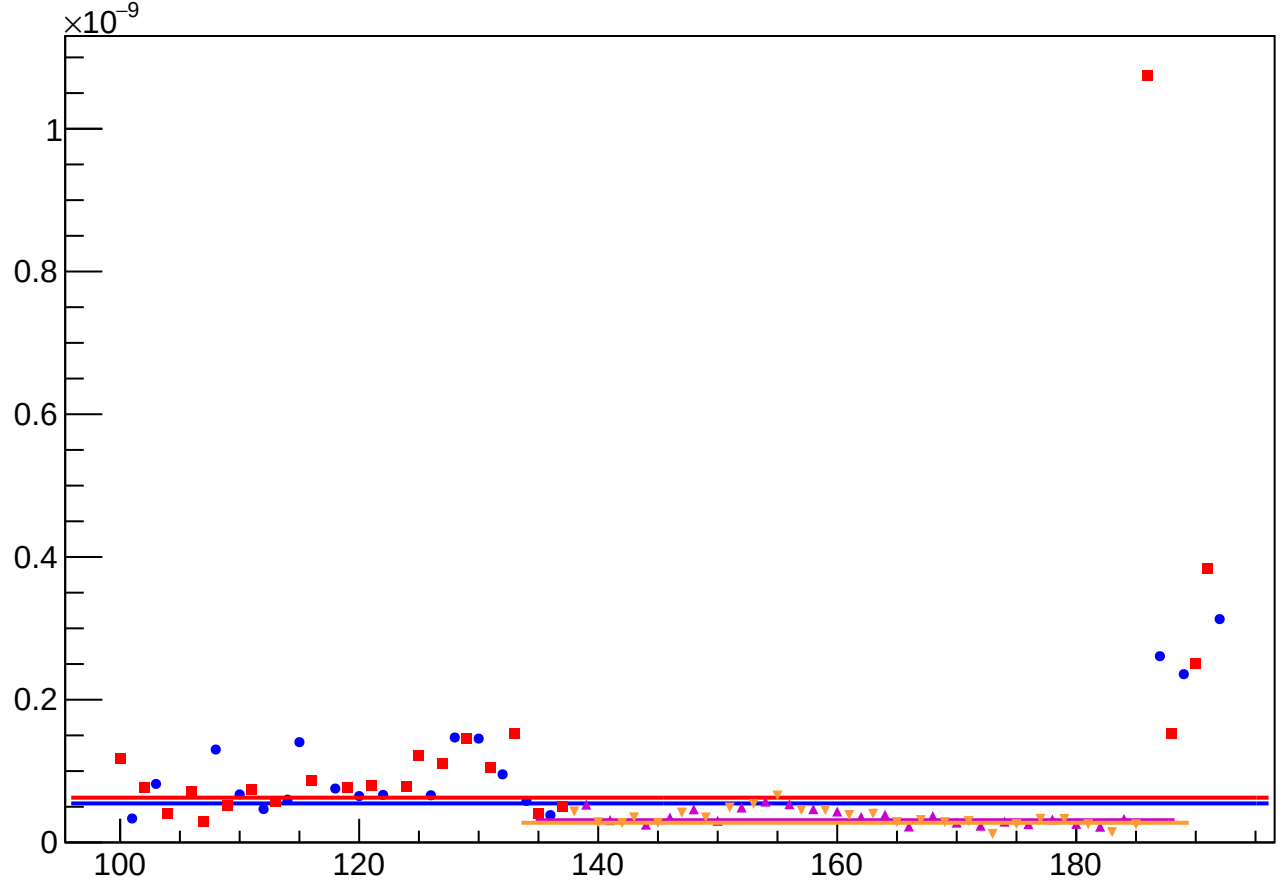
Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/43

All: -0.000+/-0.000 χ^2/NDF: 93.7/89

- sign -0.000+/-0.000 χ^2/NDF: 52.4/45

asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug



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

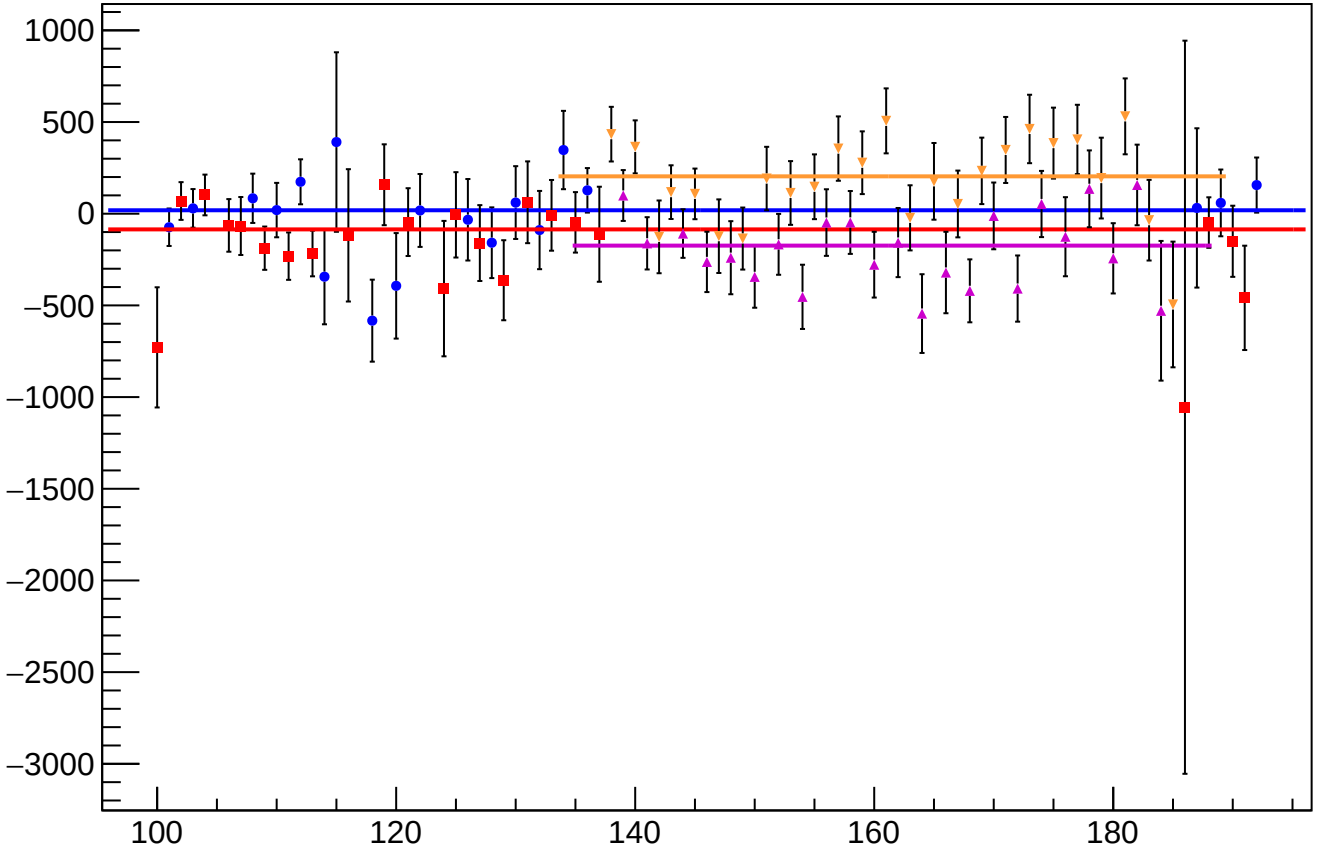
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8696719.7/43

All: 0.000+/-0.000 χ^2/NDF: 15677948.0/89

- sign 0.000+/-0.000 χ^2/NDF: 6739788.2/45

reg_asym_sam5_mean vs Slug



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

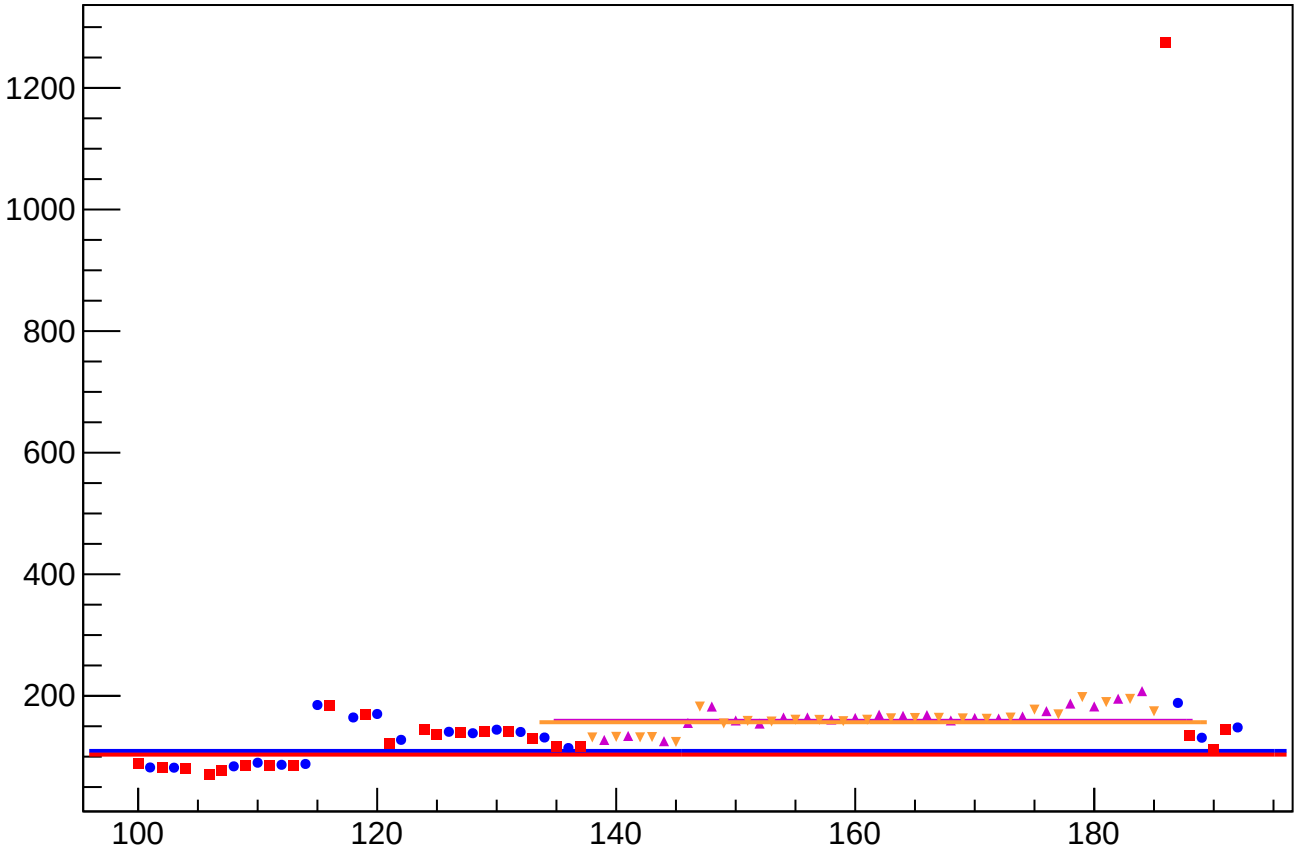
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 116.500+/-26.075 χ^2/NDF: 65.2/43

All: -6.851+/-18.339 χ^2/NDF: 155.8/89

- sign -127.591+/-25.798 χ^2/NDF: 46.3/45

reg_asym_sam5_rms vs Slug



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

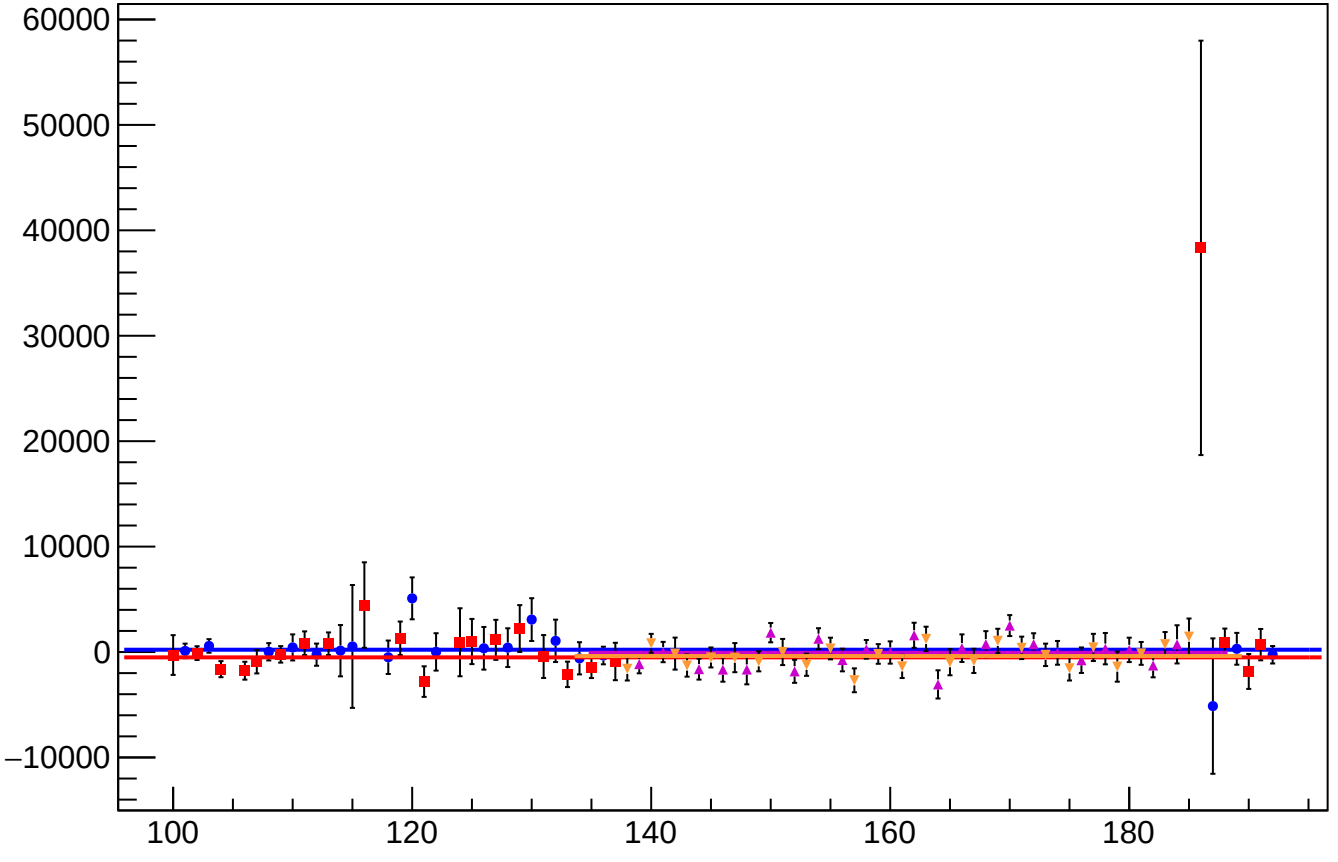
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.350+/-0.018 χ^2/NDF: 3401849.0/43

All: 132.047+/-0.013 χ^2/NDF: 8156940.5/89

- sign 129.792+/-0.018 χ^2/NDF: 4724205.8/45

asym_sam5_reg_correction_mean vs Slug



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

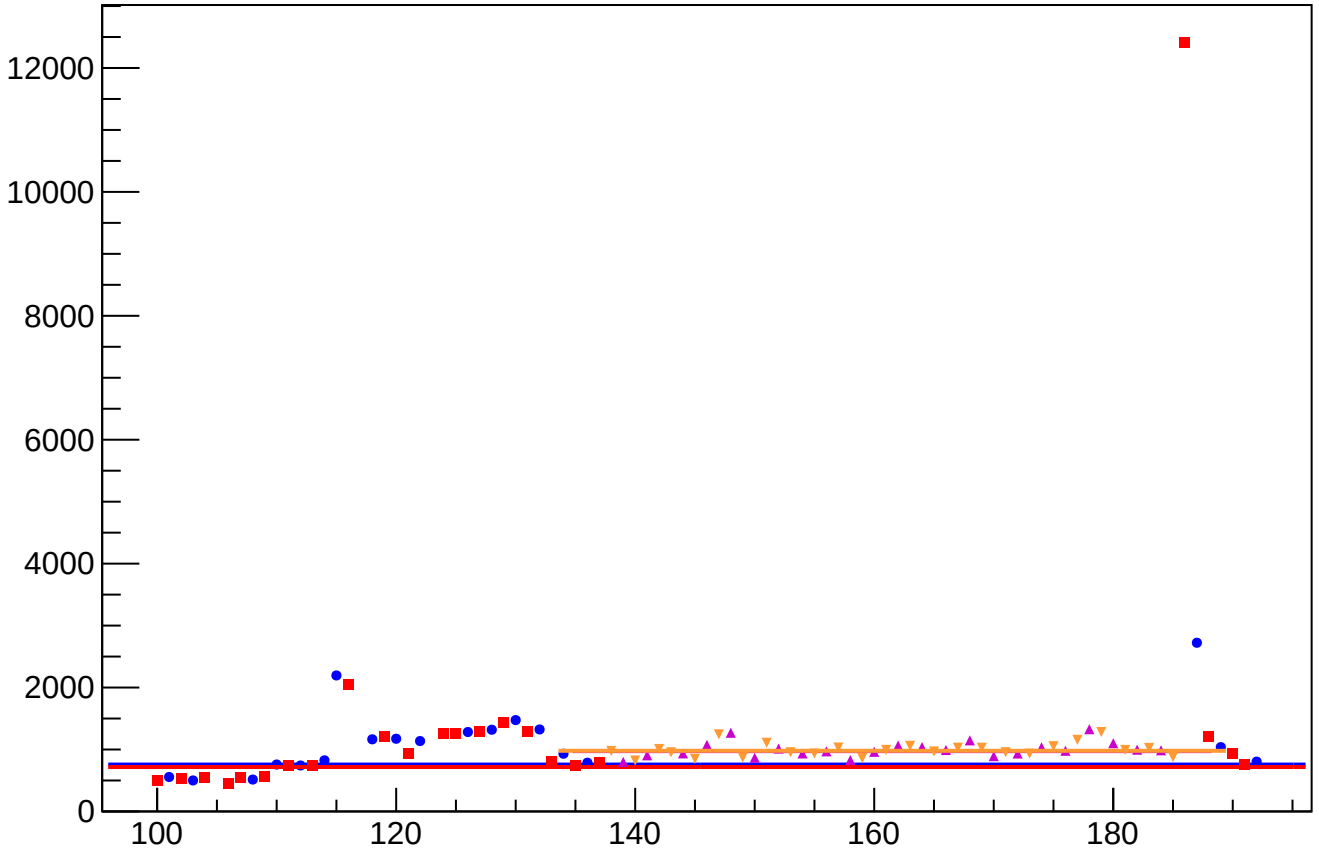
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -137.467+/-173.118 χ^2/NDF: 32.4/43

All: -202.653+/-121.746 χ^2/NDF: 92.6/89

- sign -266.438+/-171.246 χ^2/NDF: 59.9/45

asym_sam5_reg_correction_rms vs Slug



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

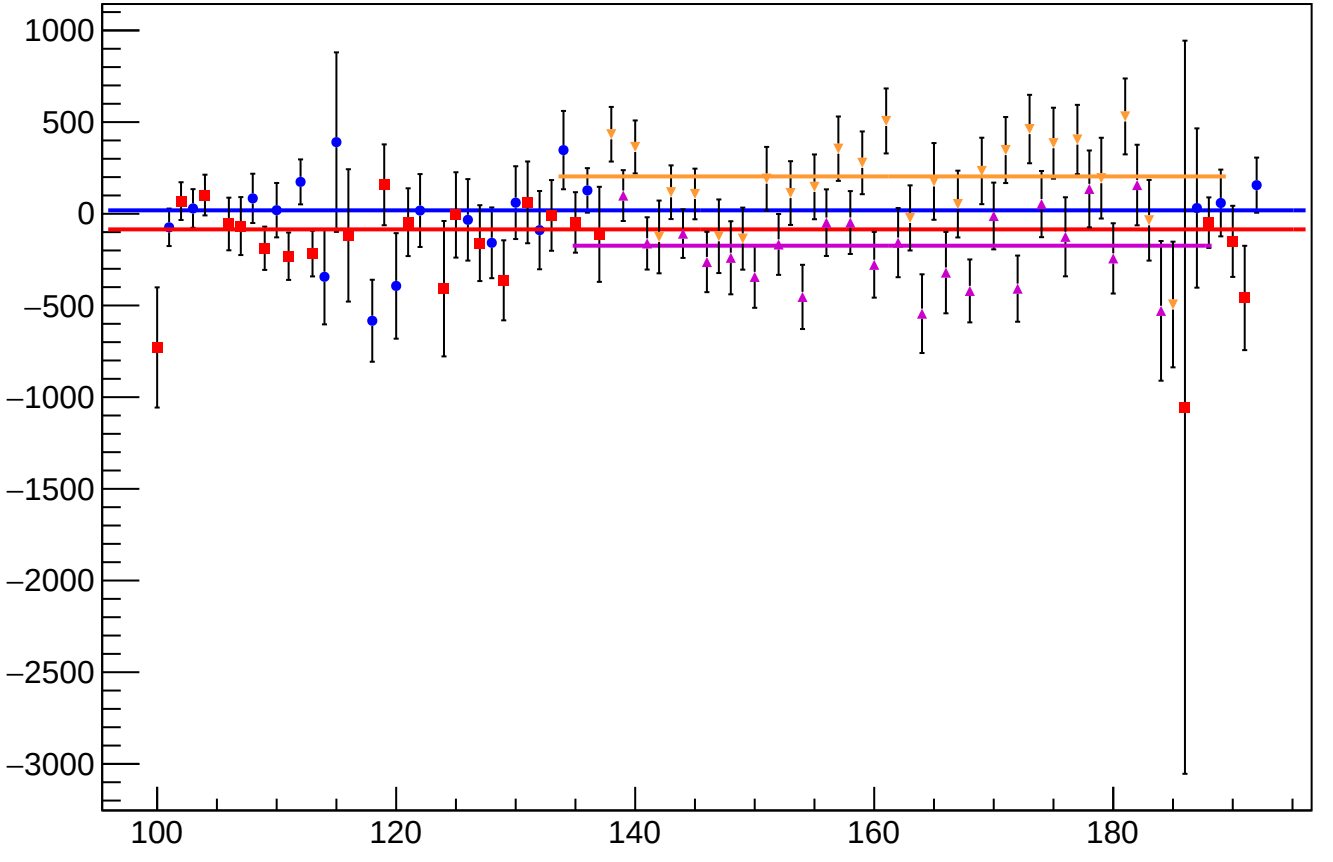
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 888.926+/-0.122 χ^2/NDF: 3342975.3/43

All: 874.172+/-0.086 χ^2/NDF: 7868342.2/89

- sign 859.735+/-0.121 χ^2/NDF: 4496625.9/45

cor_asym_sam5_mean vs Slug



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

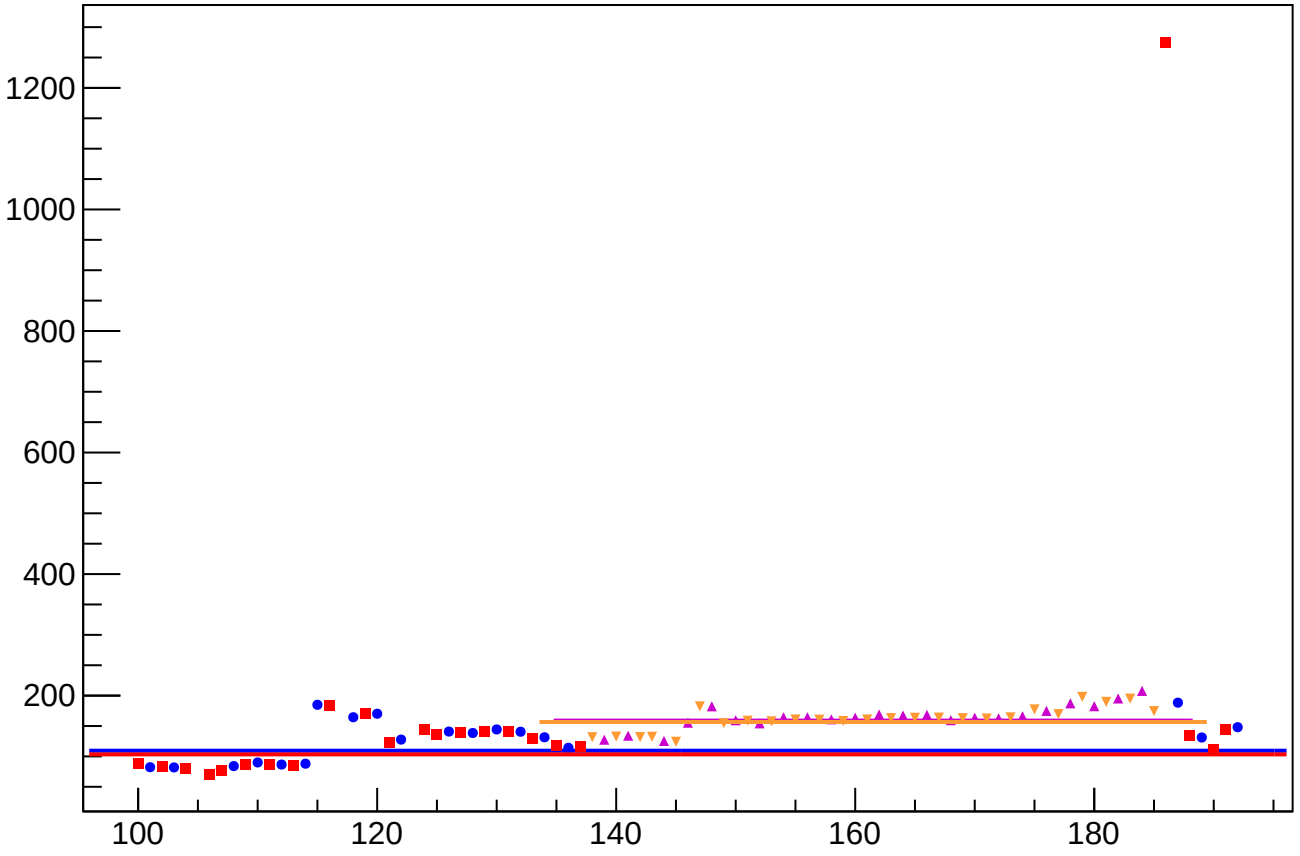
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 116.499+/-26.075 χ^2/NDF: 65.2/43

All: -6.725+/-18.339 χ^2/NDF: 155.7/89

- sign -127.348+/-25.799 χ^2/NDF: 46.4/45

cor_asym_sam5_rms vs Slug



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

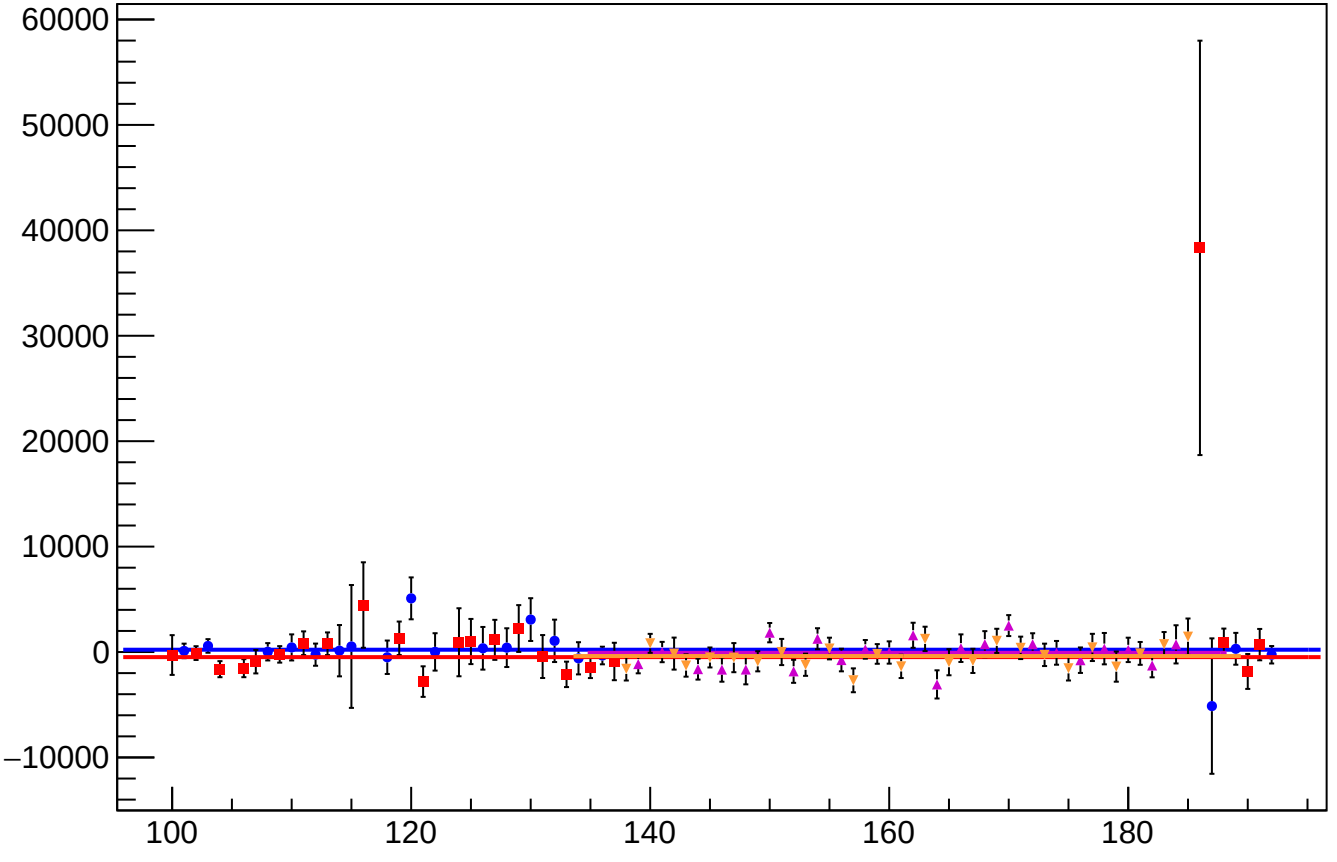
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.350+/-0.018 χ^2/NDF: 3401847.0/43

All: 132.042+/-0.013 χ^2/NDF: 8161081.3/89

- sign 129.783+/-0.018 χ^2/NDF: 4728226.4/45

asym_sam5_cor_correction_mean vs Slug



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

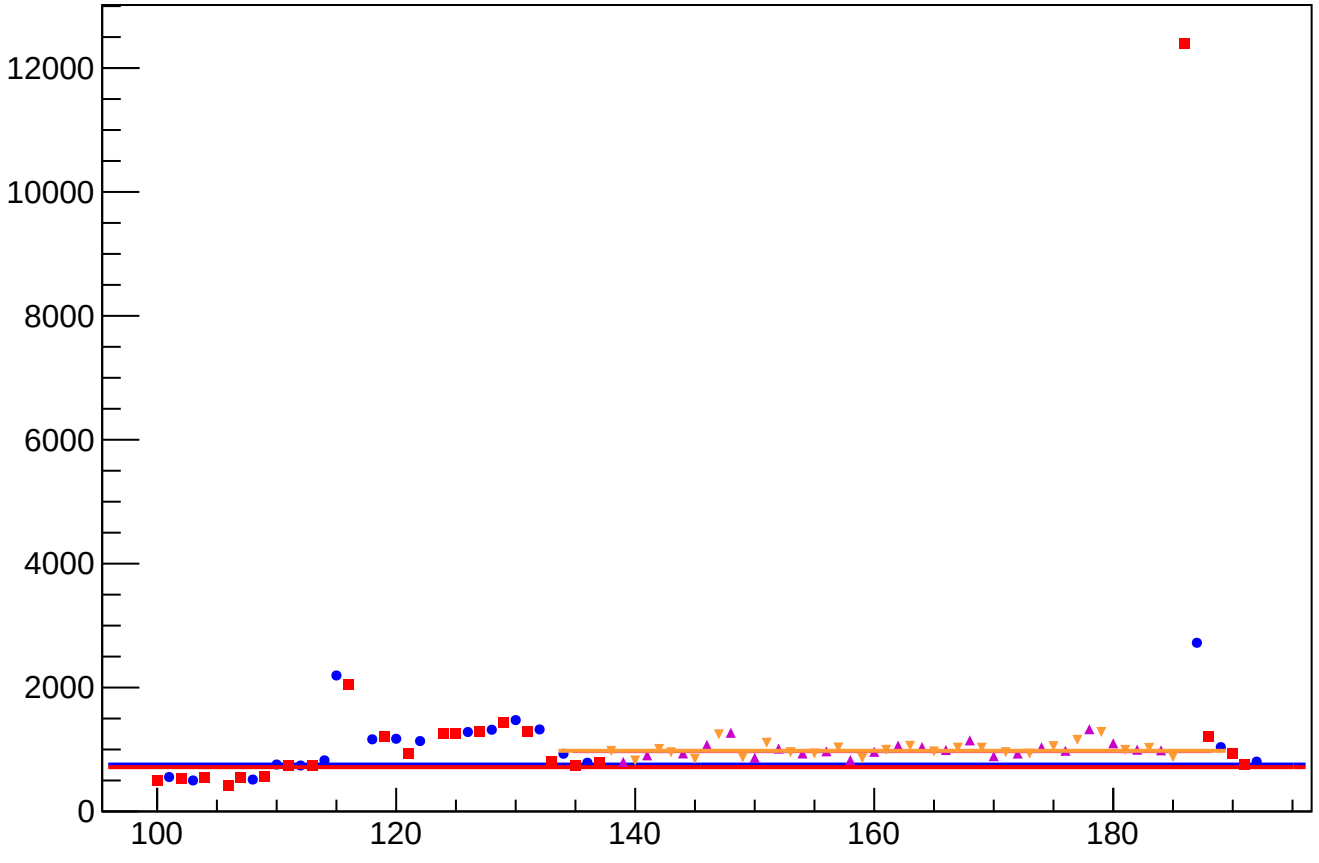
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -137.458+/-173.118 χ^2/NDF: 32.4/43

All: -197.299+/-121.762 χ^2/NDF: 91.6/89

- sign -255.884+/-171.291 χ^2/NDF: 59.0/45

asym_sam5_cor_correction_rms vs Slug



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

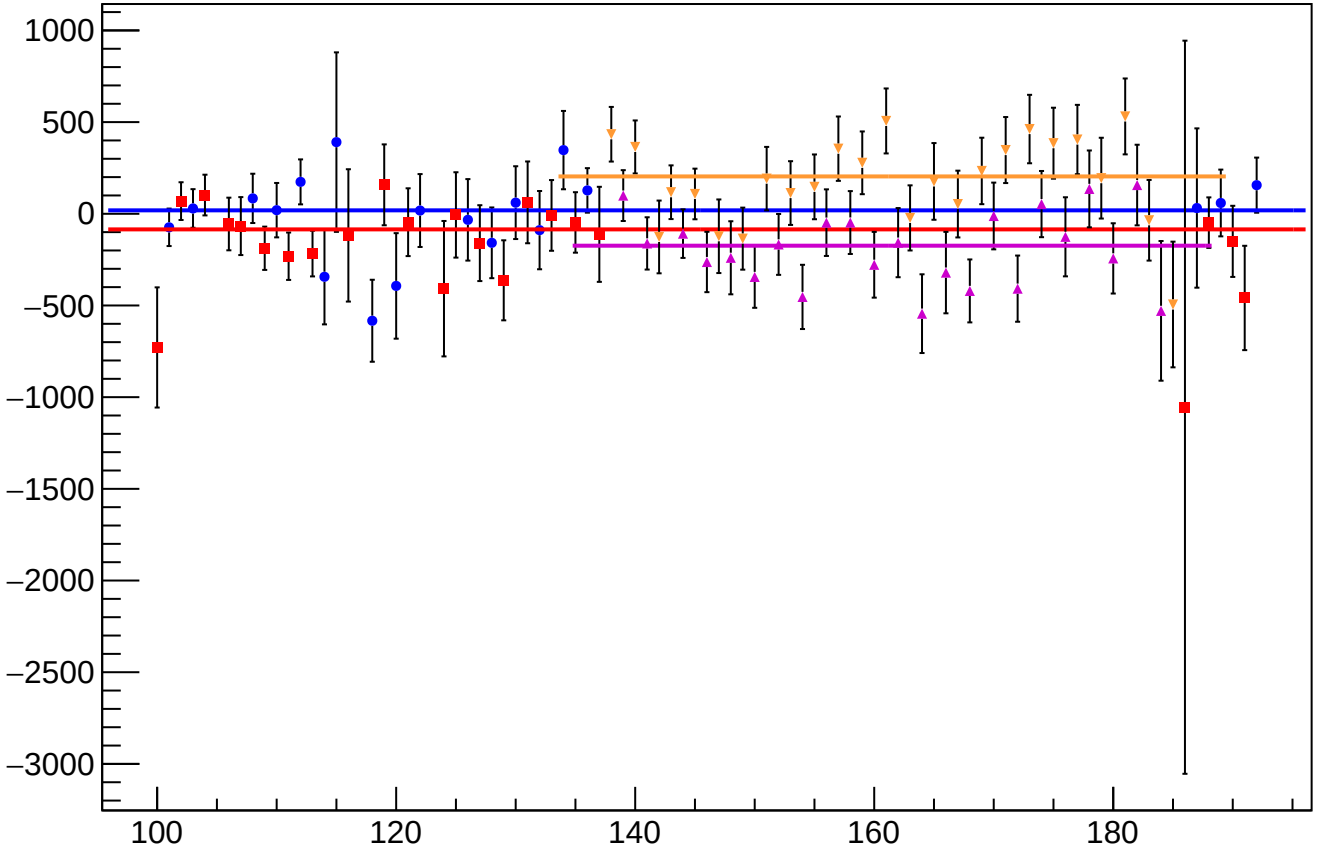
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 888.926+/-0.122 χ^2/NDF: 3342981.0/43

All: 873.789+/-0.086 χ^2/NDF: 7920358.9/89

- sign 858.971+/-0.121 χ^2/NDF: 4547120.4/45

eigen_cor_asym_sam5_mean vs Slug



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

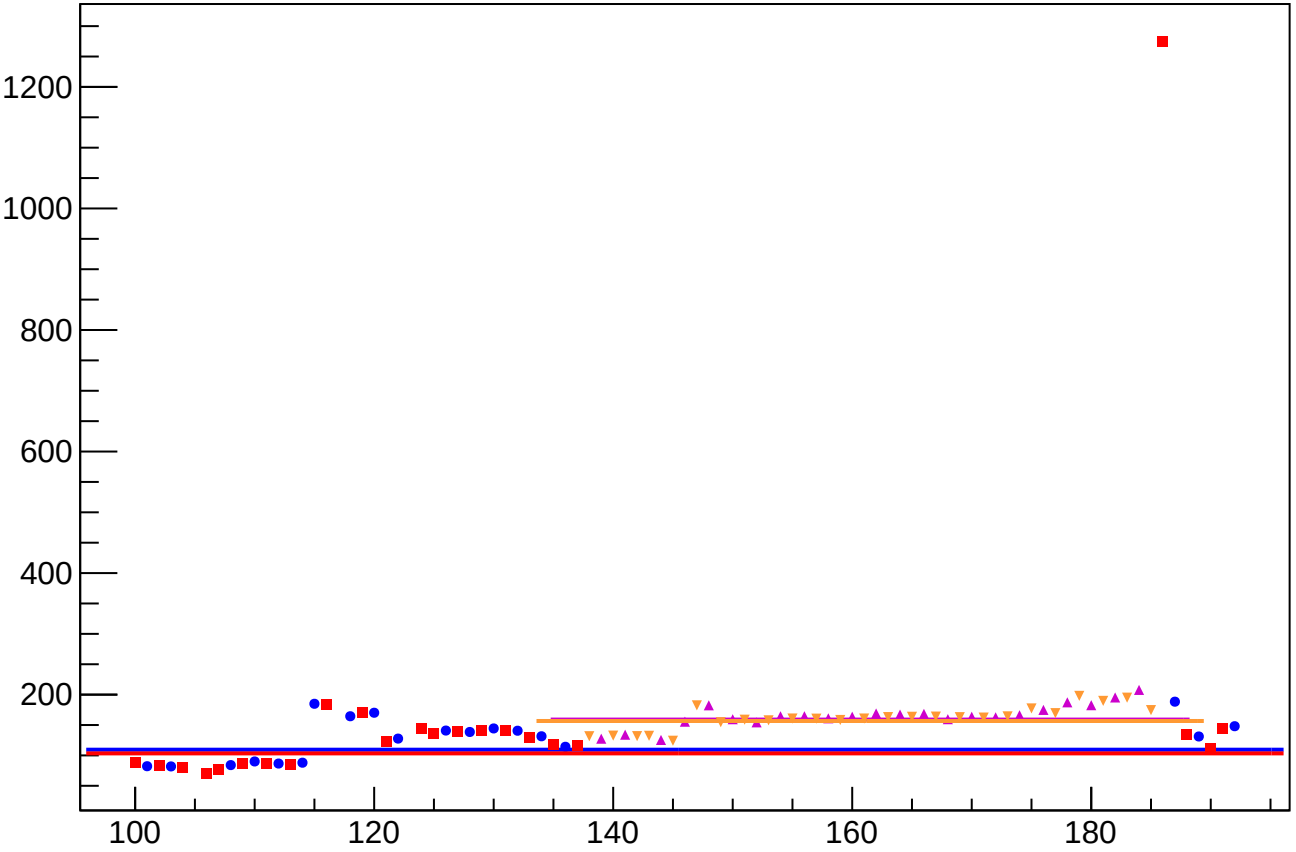
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 116.499+/-26.075 χ^2/NDF: 65.2/43

All: -6.725+/-18.339 χ^2/NDF: 155.7/89

- sign -127.348+/-25.799 χ^2/NDF: 46.4/45

eigen_cor_asym_sam5_rms vs Slug



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

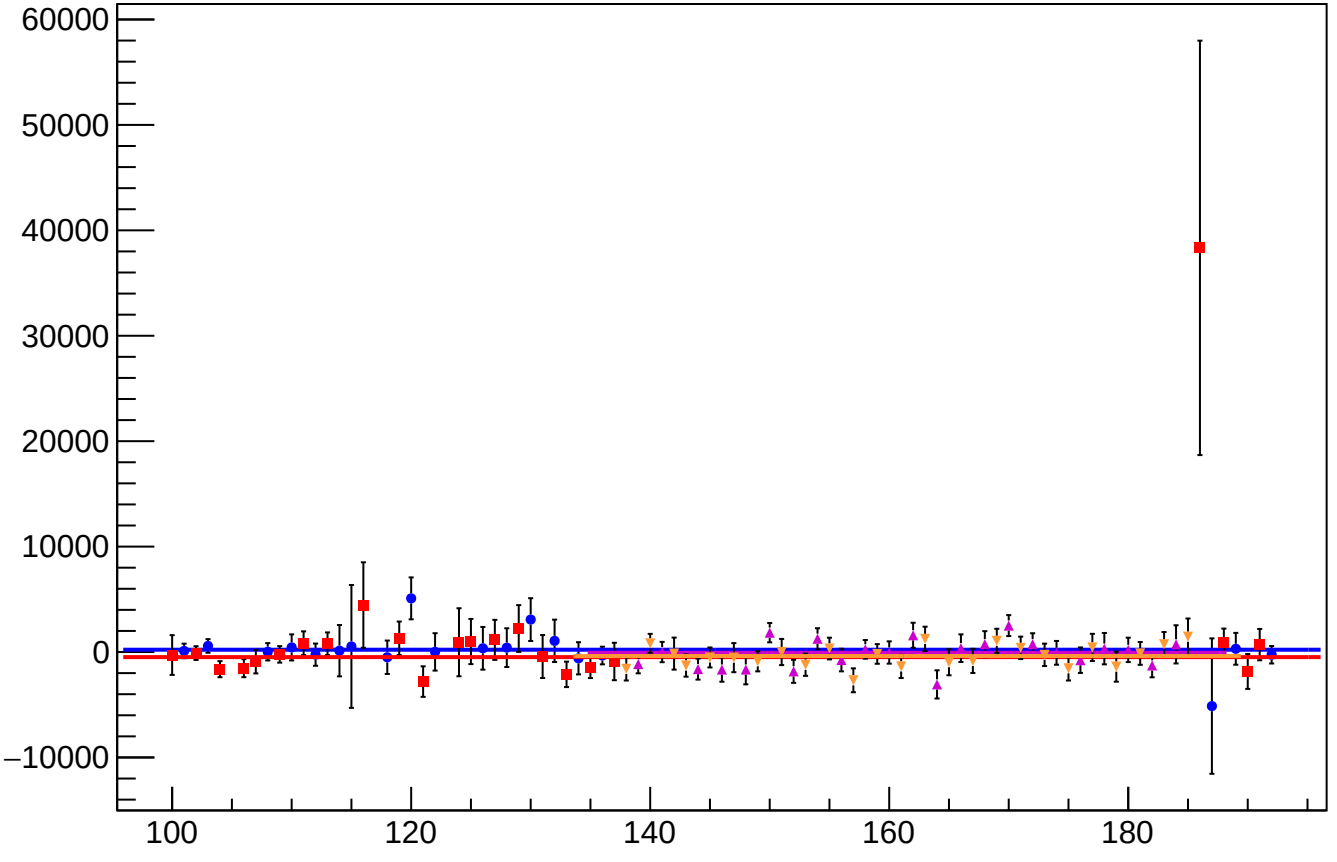
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.350+/-0.018 χ^2/NDF: 3401847.0/43

All: 132.042+/-0.013 χ^2/NDF: 8161081.3/89

- sign 129.783+/-0.018 χ^2/NDF: 4728226.4/45

asym_sam5_eigen_cor_correction_mean vs Slug



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

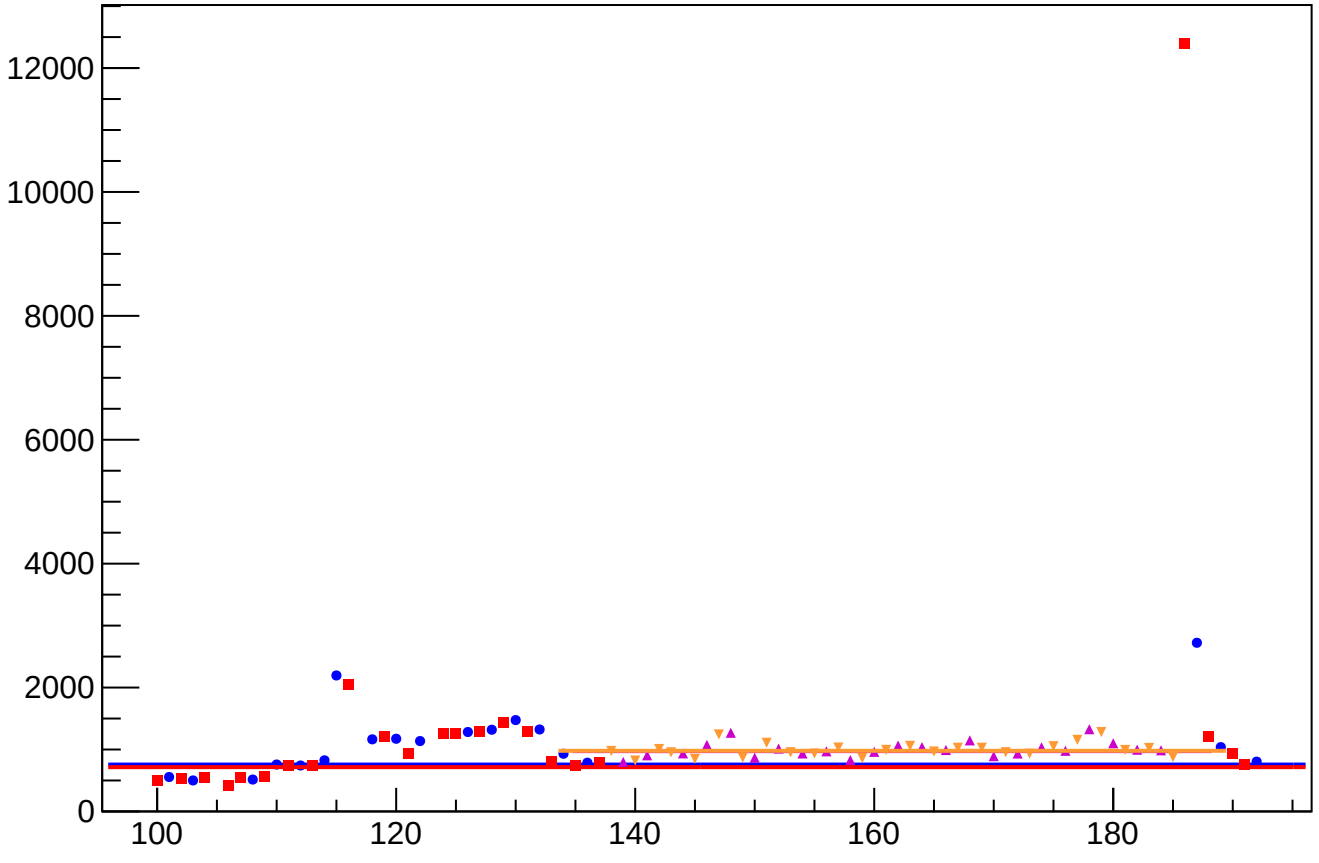
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -137.458+/-173.118 χ^2/NDF: 32.4/43

All: -197.299+/-121.762 χ^2/NDF: 91.6/89

- sign -255.884+/-171.291 χ^2/NDF: 59.0/45

asym_sam5_eigen_cor_correction_rms vs Slug



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

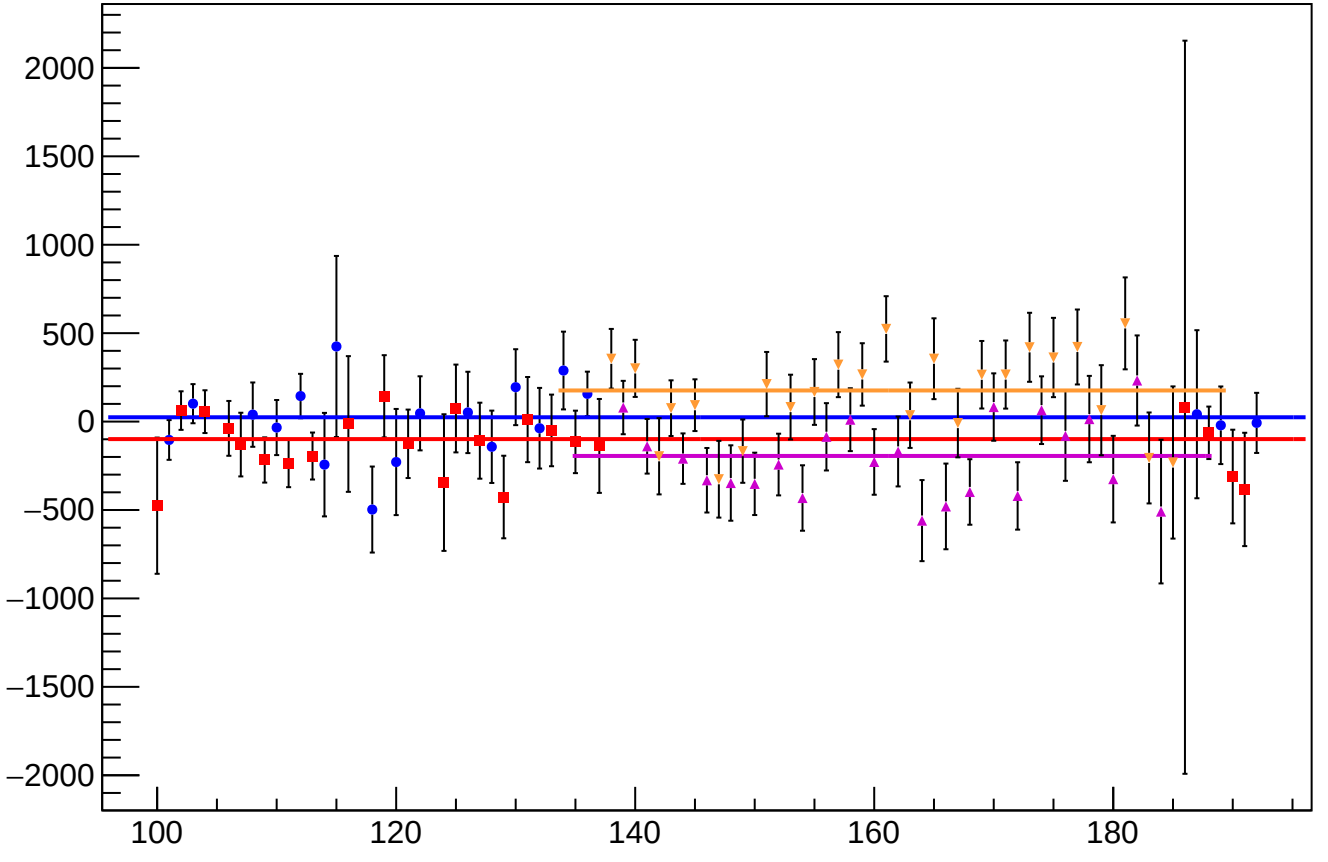
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 888.926+/-0.122 χ^2/NDF: 3342981.0/43

All: 873.789+/-0.086 χ^2/NDF: 7920358.9/89

- sign 858.971+/-0.121 χ^2/NDF: 4547120.4/45

dit_asym_sam5_mean vs Slug



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

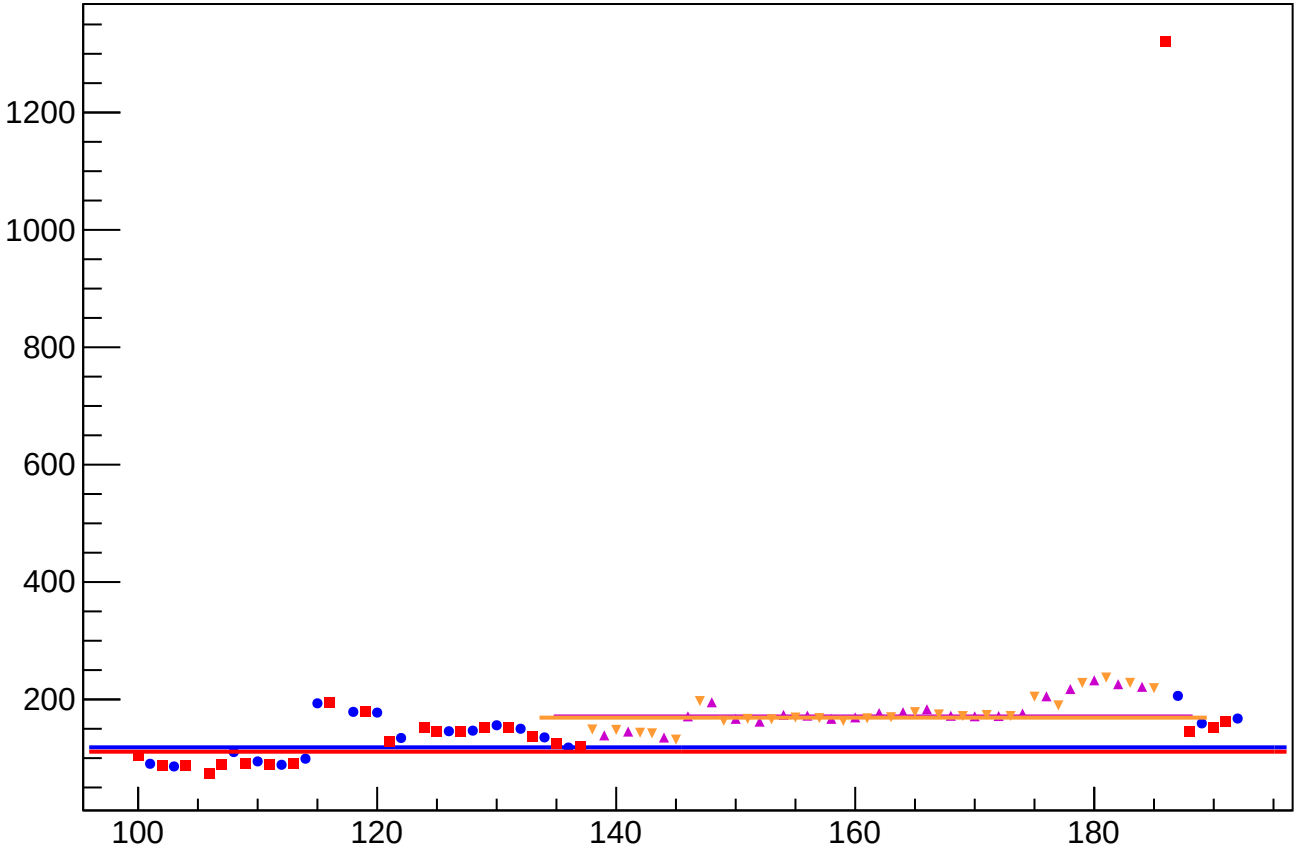
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 104.629+/-28.253 χ^2/NDF: 51.6/43

All: -21.716+/-19.826 χ^2/NDF: 131.0/89

- sign -144.286+/-27.828 χ^2/NDF: 40.0/45

dit_asym_sam5_rms vs Slug



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

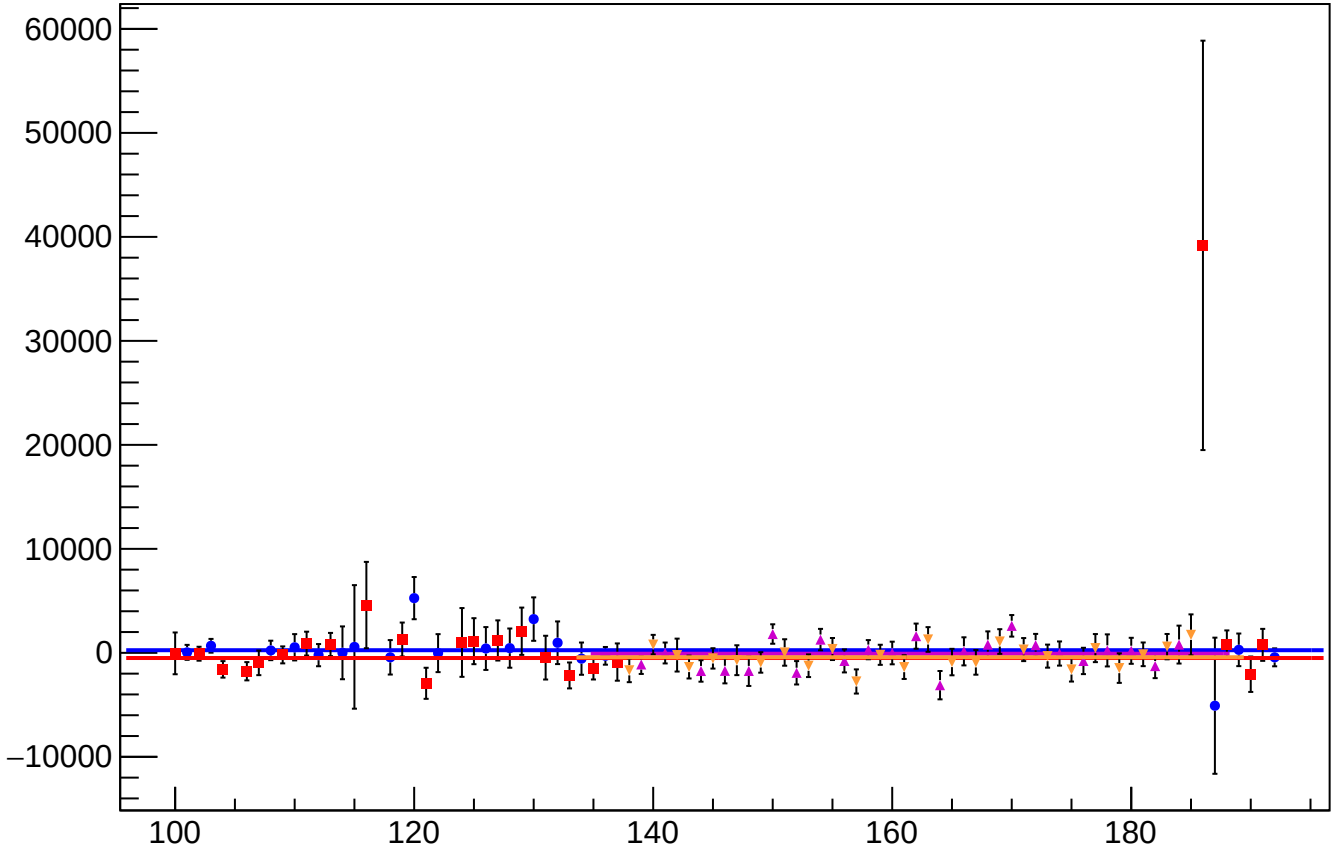
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 145.175+/-0.020 χ^2/NDF: 3582908.3/43

All: 142.285+/-0.014 χ^2/NDF: 8542996.7/89

- sign 139.482+/-0.020 χ^2/NDF: 4918866.8/45

asym_sam5_dit_correction_mean vs Slug



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

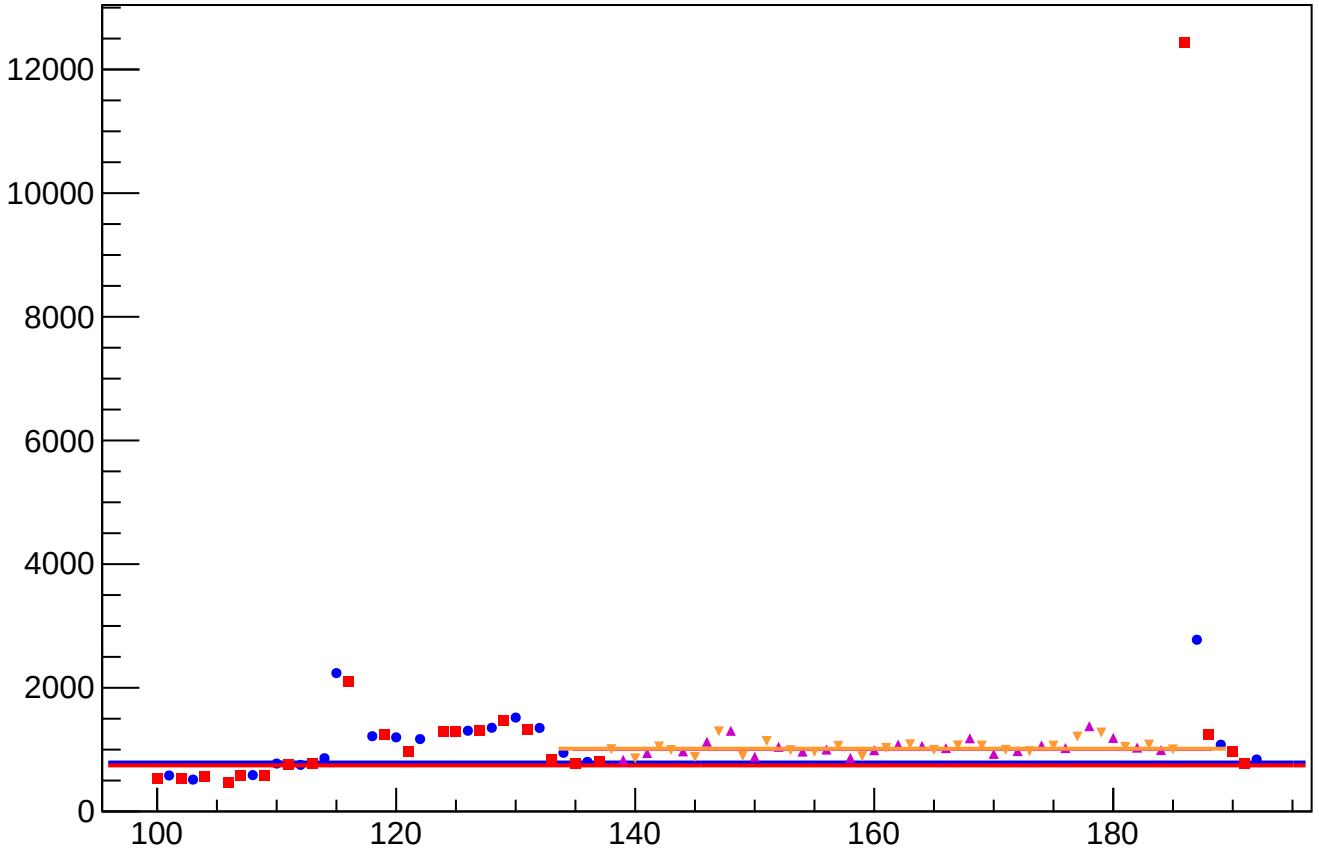
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -151.974+/-179.633 χ^2/NDF: 33.0/43

All: -211.550+/-126.189 χ^2/NDF: 92.0/89

- sign -269.591+/-177.305 χ^2/NDF: 58.7/45

asym_sam5_dit_correction_rms vs Slug



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

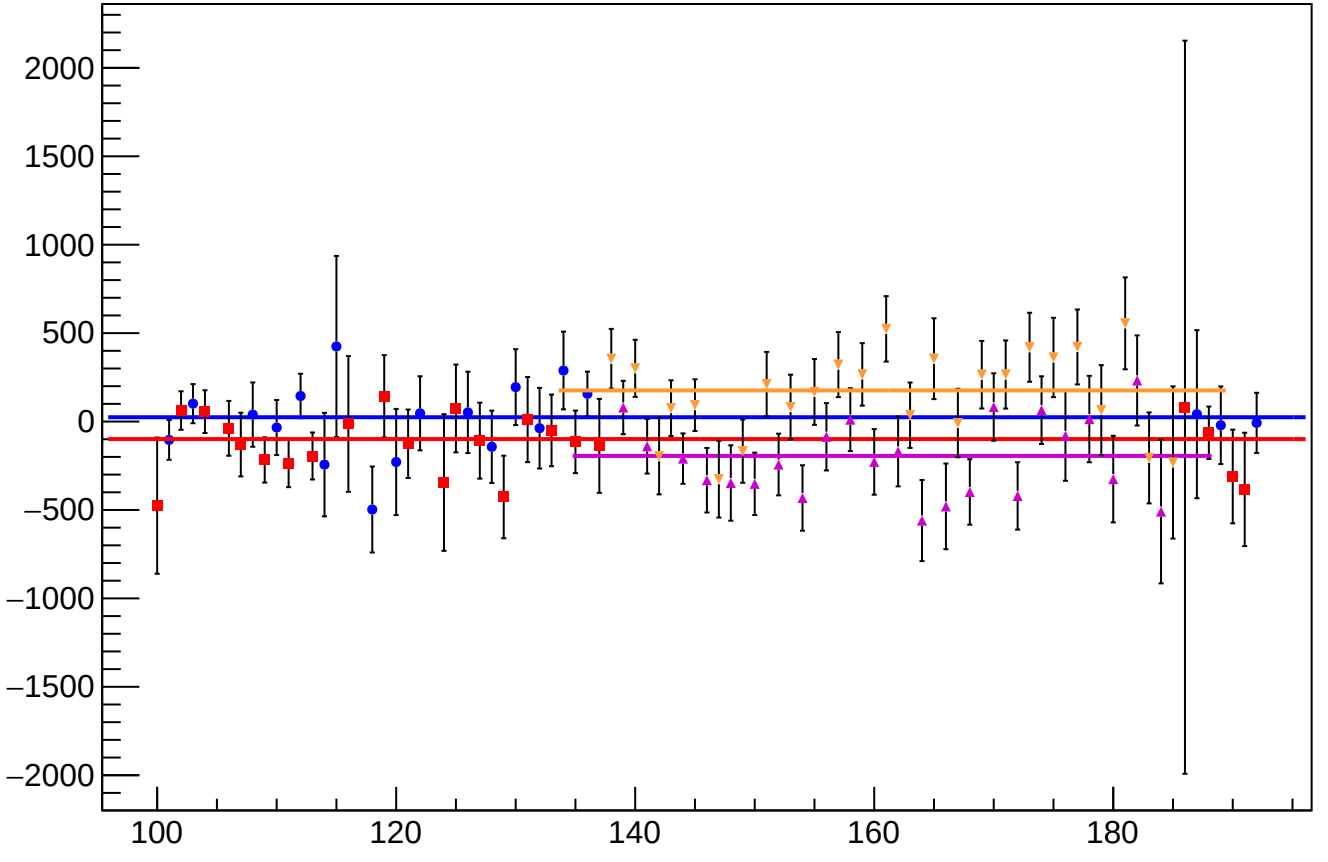
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 924.679+/-0.127 χ^2/NDF: 3154738.6/43

All: 907.874+/-0.089 χ^2/NDF: 7611094.5/89

- sign 891.503+/-0.125 χ^2/NDF: 4421801.4/45

eigen_dit_asym_sam5_mean vs Slug



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

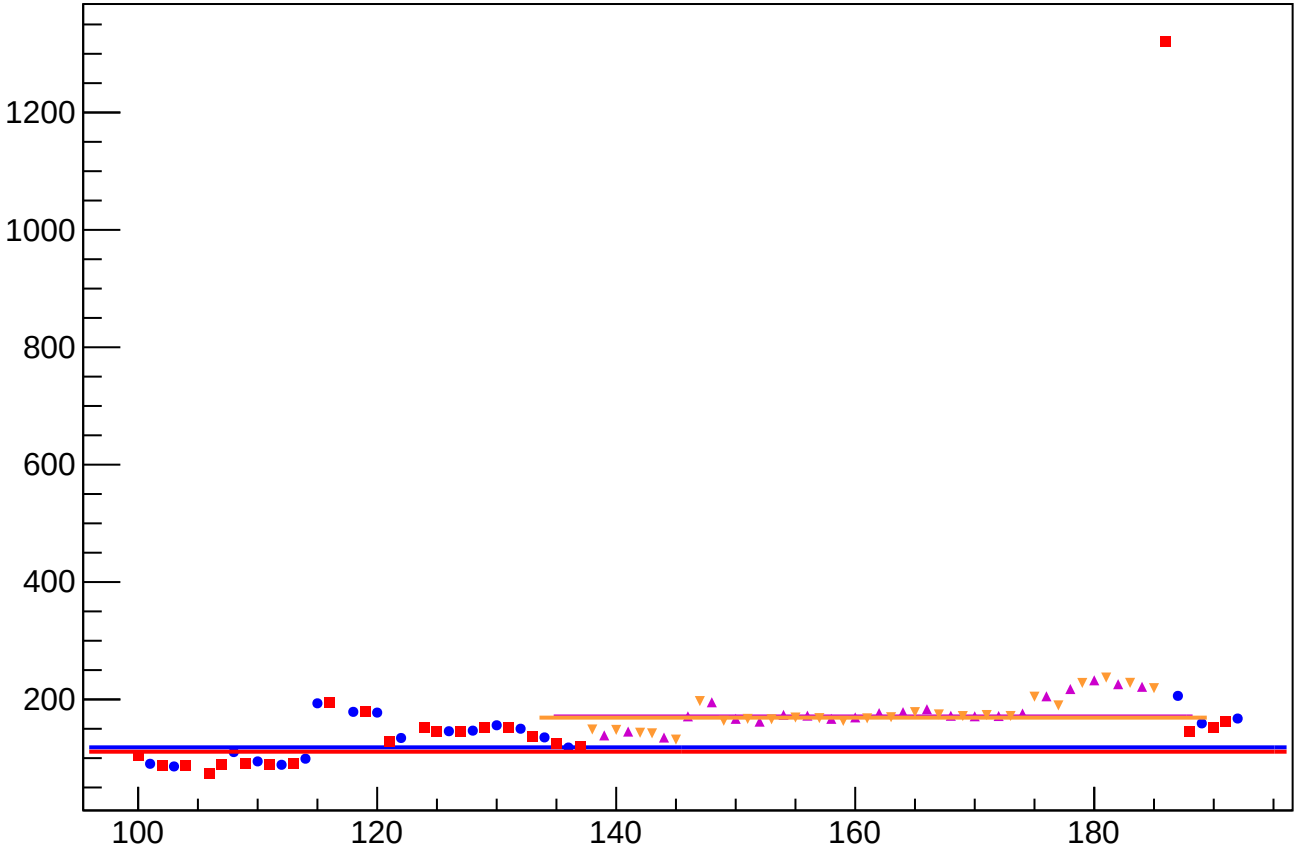
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 104.629+/-28.253 χ^2/NDF: 51.6/43

All: -21.716+/-19.826 χ^2/NDF: 131.0/89

- sign -144.286+/-27.828 χ^2/NDF: 40.0/45

eigen_dit_asym_sam5_rms vs Slug



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

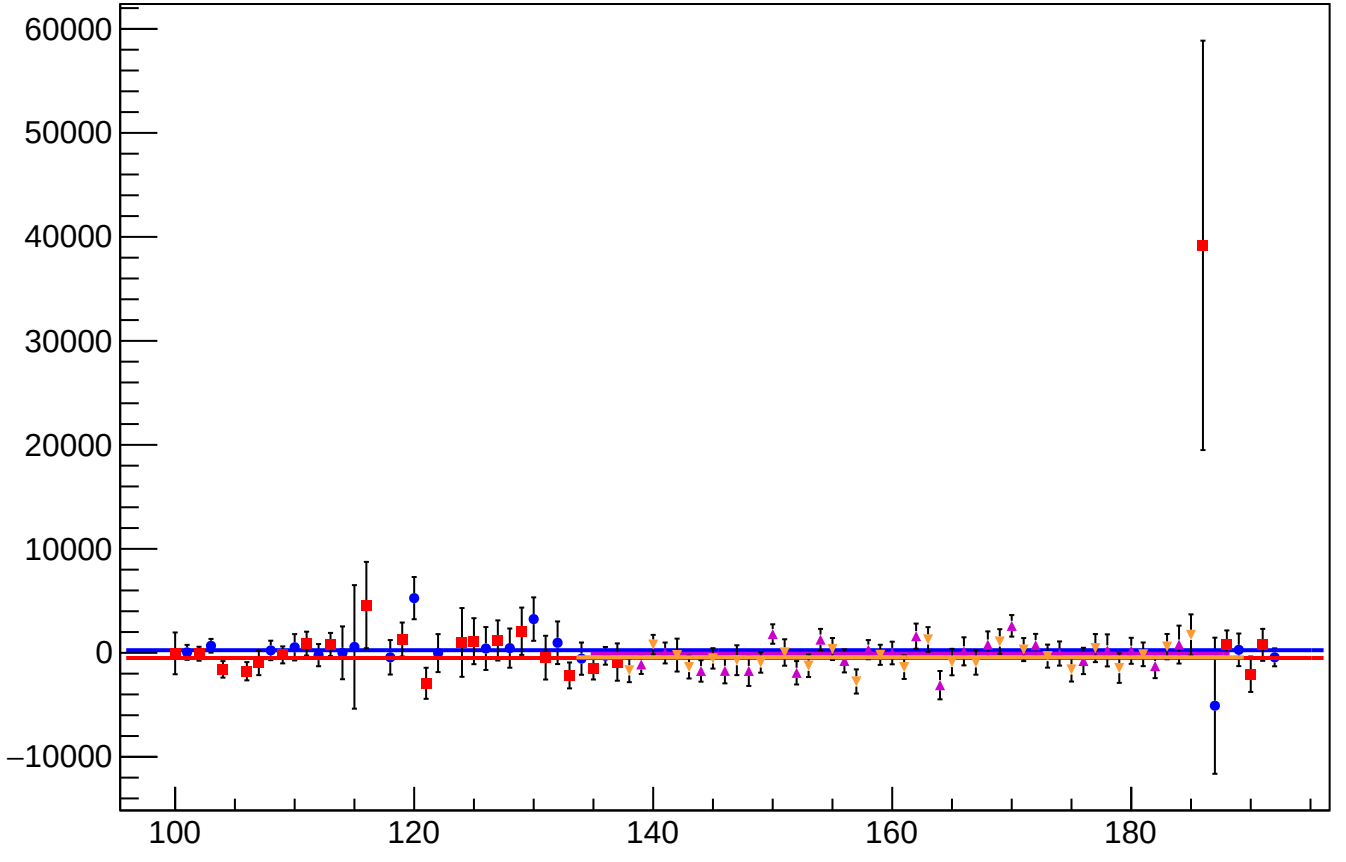
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 145.175+/-0.020 χ^2/NDF: 3582926.9/43

All: 142.285+/-0.014 χ^2/NDF: 8543033.1/89

- sign 139.482+/-0.020 χ^2/NDF: 4918885.5/45

asym_sam5_eigen_dit_correction_mean vs Slug



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

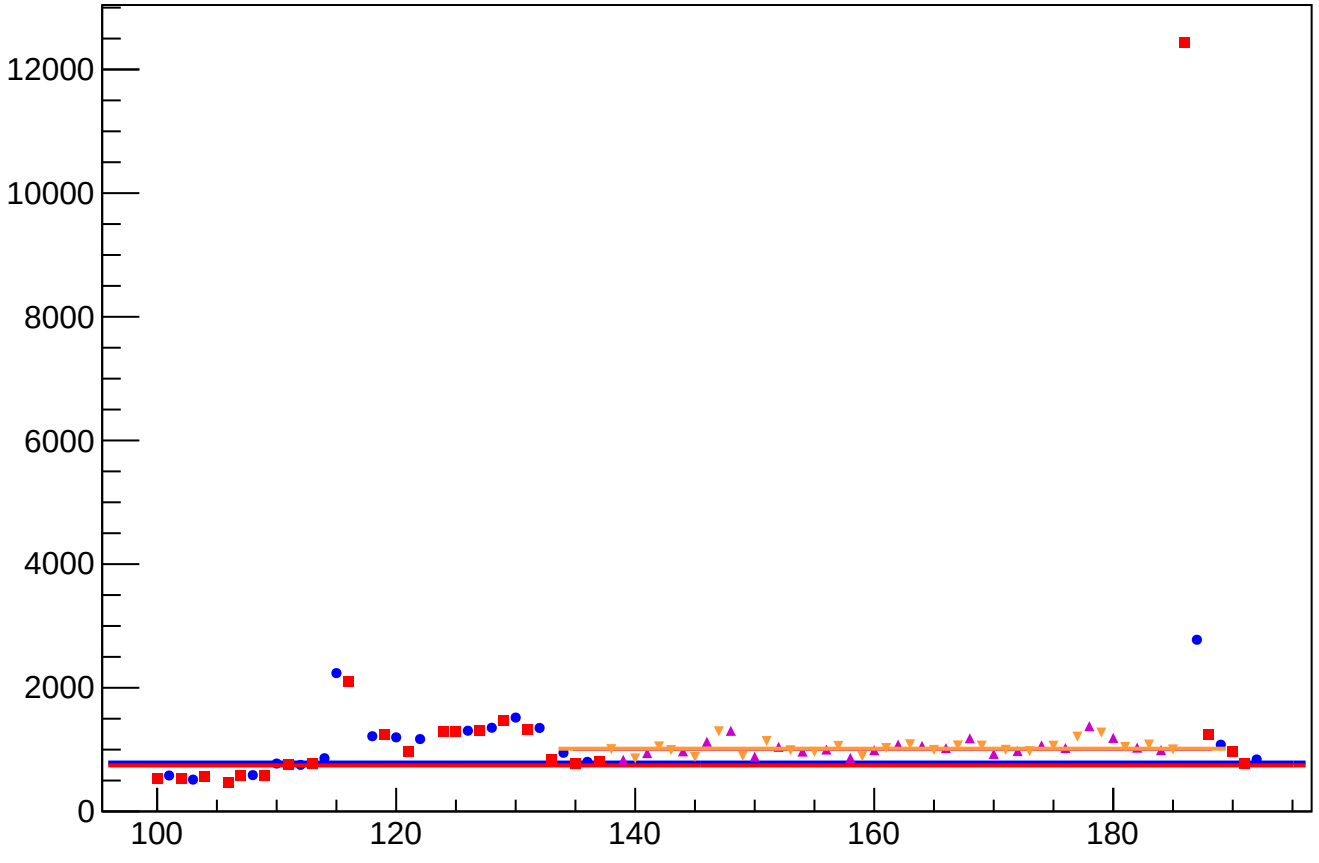
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -151.973+/-179.633 χ^2/NDF: 33.0/43

All: -211.550+/-126.189 χ^2/NDF: 92.0/89

- sign -269.592+/-177.305 χ^2/NDF: 58.7/45

asym_sam5_eigen_dit_correction_rms vs Slug



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

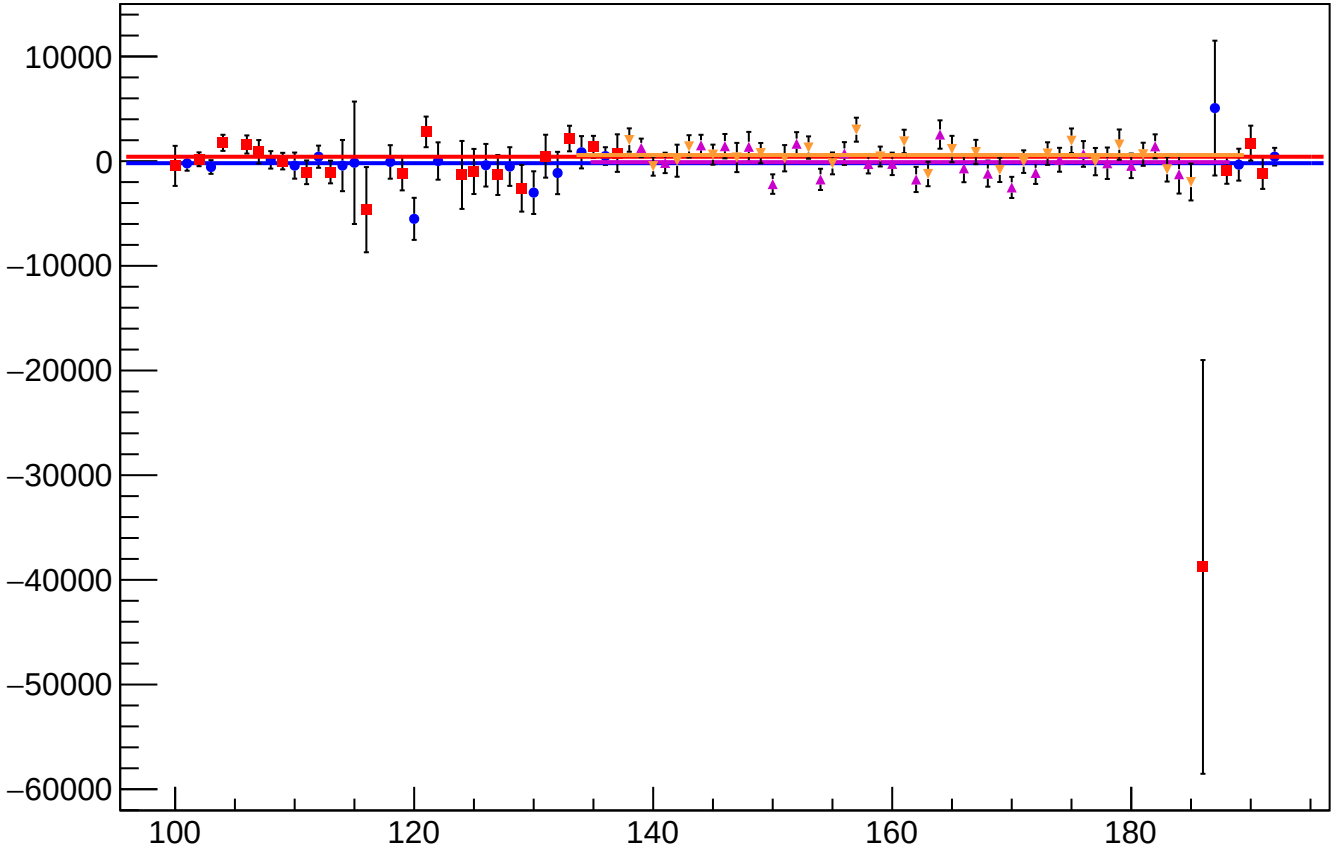
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 924.679+/-0.127 χ^2/NDF: 3154751.0/43

All: 907.874+/-0.089 χ^2/NDF: 7611125.8/89

- sign 891.503+/-0.125 χ^2/NDF: 4421820.0/45

asym_sam5_mean vs Slug



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

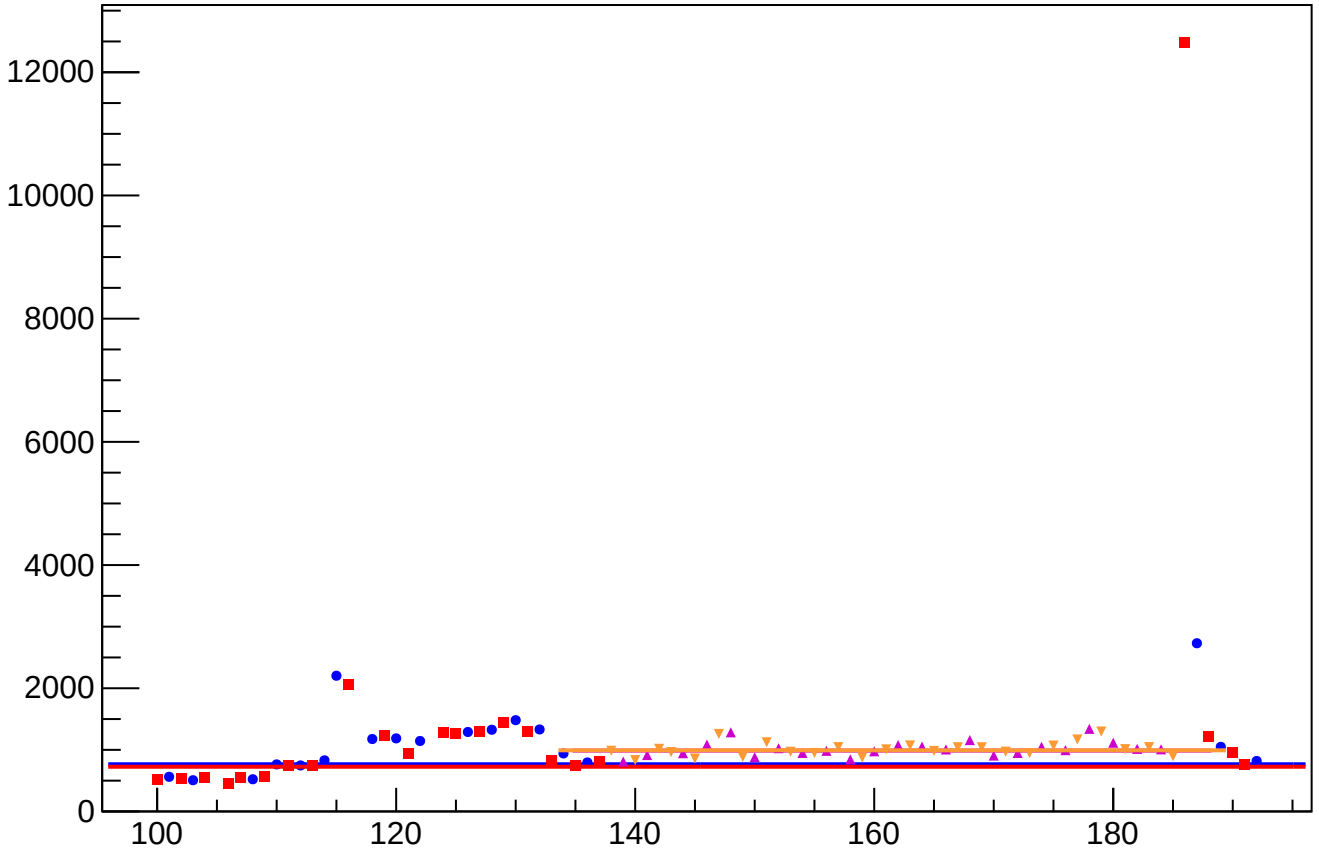
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 269.337+/-175.329 χ^2/NDF: 37.9/43

All: 202.249+/-123.319 χ^2/NDF: 102.1/89

- sign 136.566+/-173.484 χ^2/NDF: 63.9/45

asym_sam5_rms vs Slug



Right In: 766.259+/-0.194 χ^2/NDF: 2095766.7/18

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

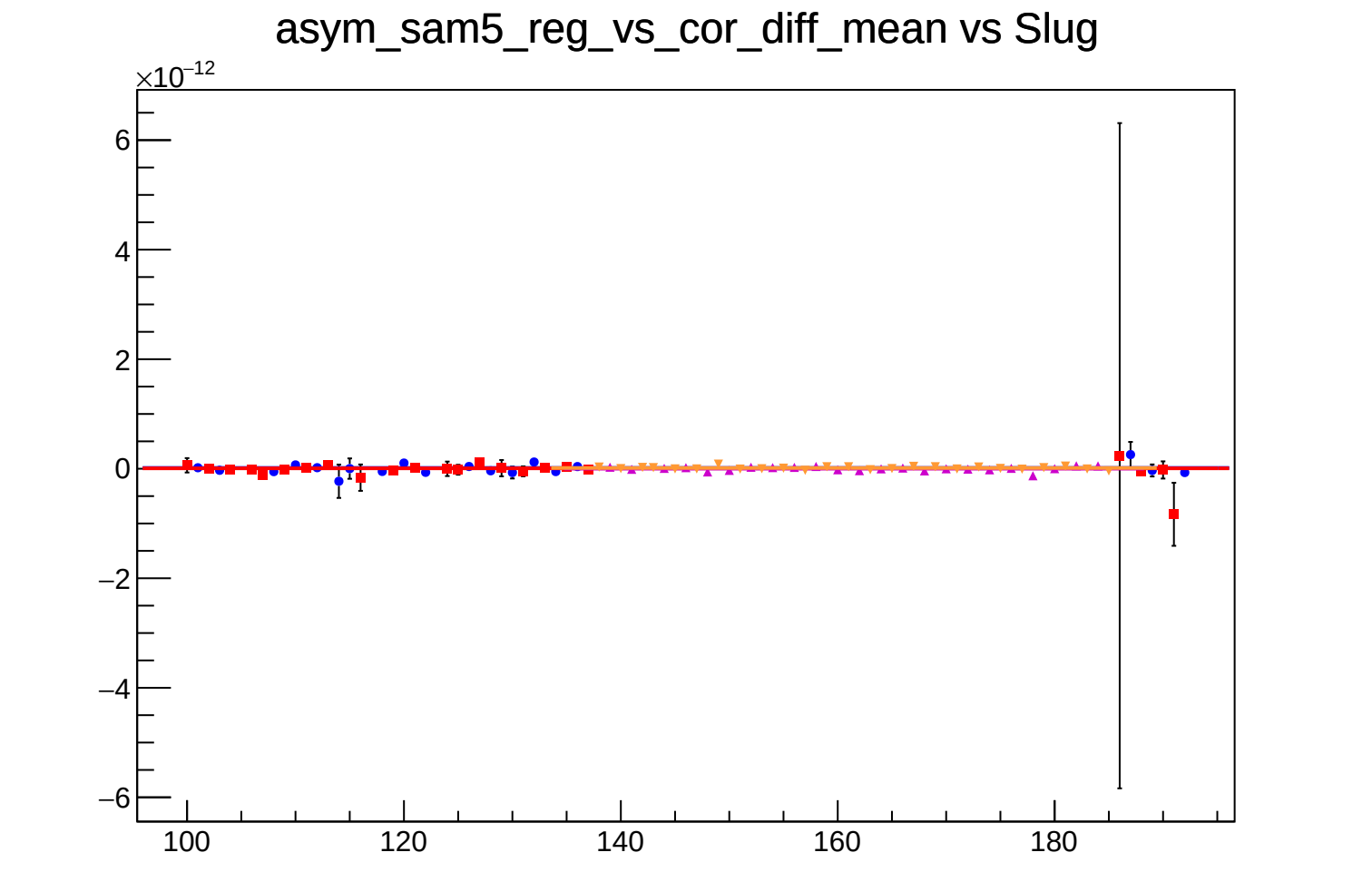
Right Out: 725.946+/-0.184 χ^2/NDF: 2870292.6/22

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 900.562+/-0.124 χ^2/NDF: 3324442.0/43

All: 885.665+/-0.087 χ^2/NDF: 7836605.2/89

- sign 871.079+/-0.123 χ^2/NDF: 4483587.0/45



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

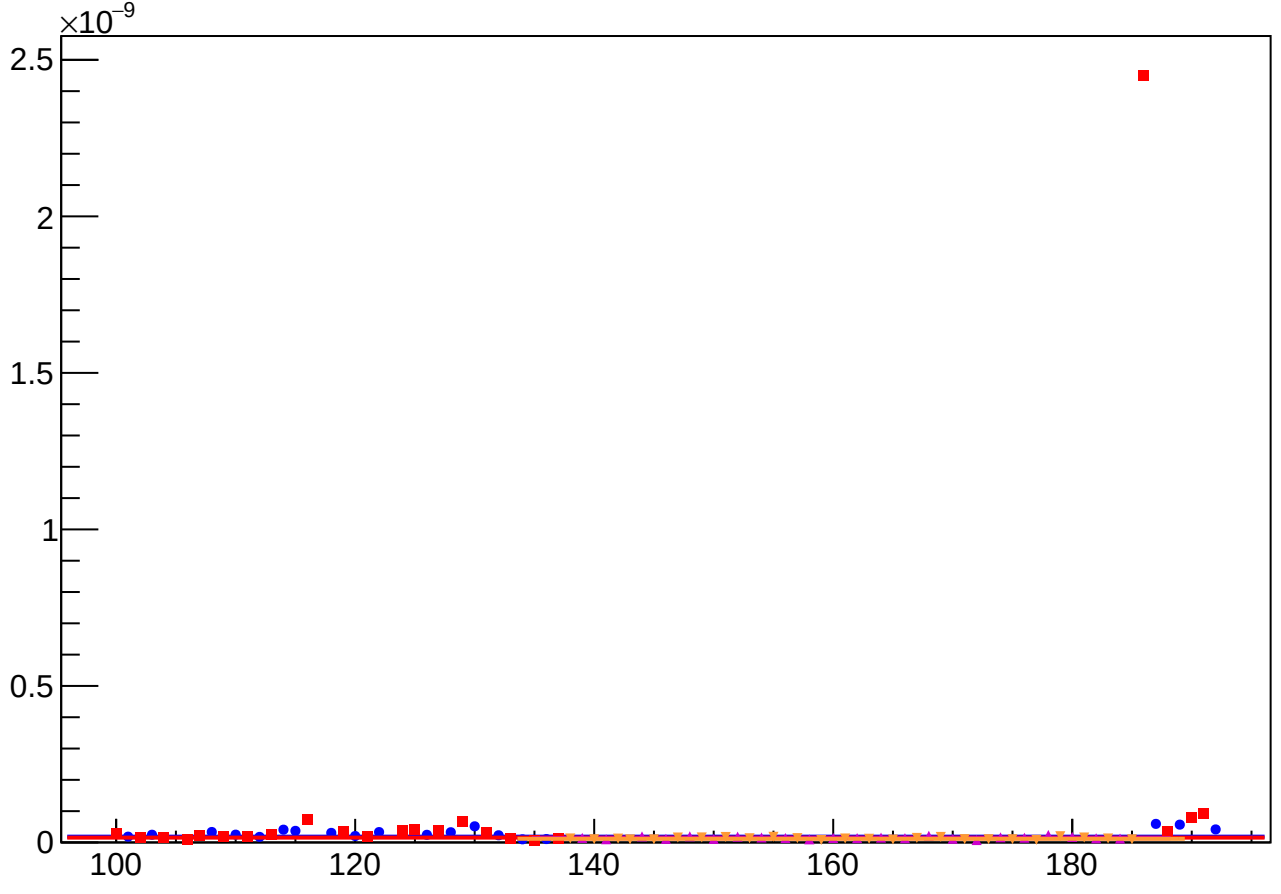
Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.9/43

All: 0.000+/-0.000 χ^2/NDF: 92.1/89

- sign 0.000+/-0.000 χ^2/NDF: 45.7/45

asym_sam5_reg_vs_cor_diff_rms vs Slug



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

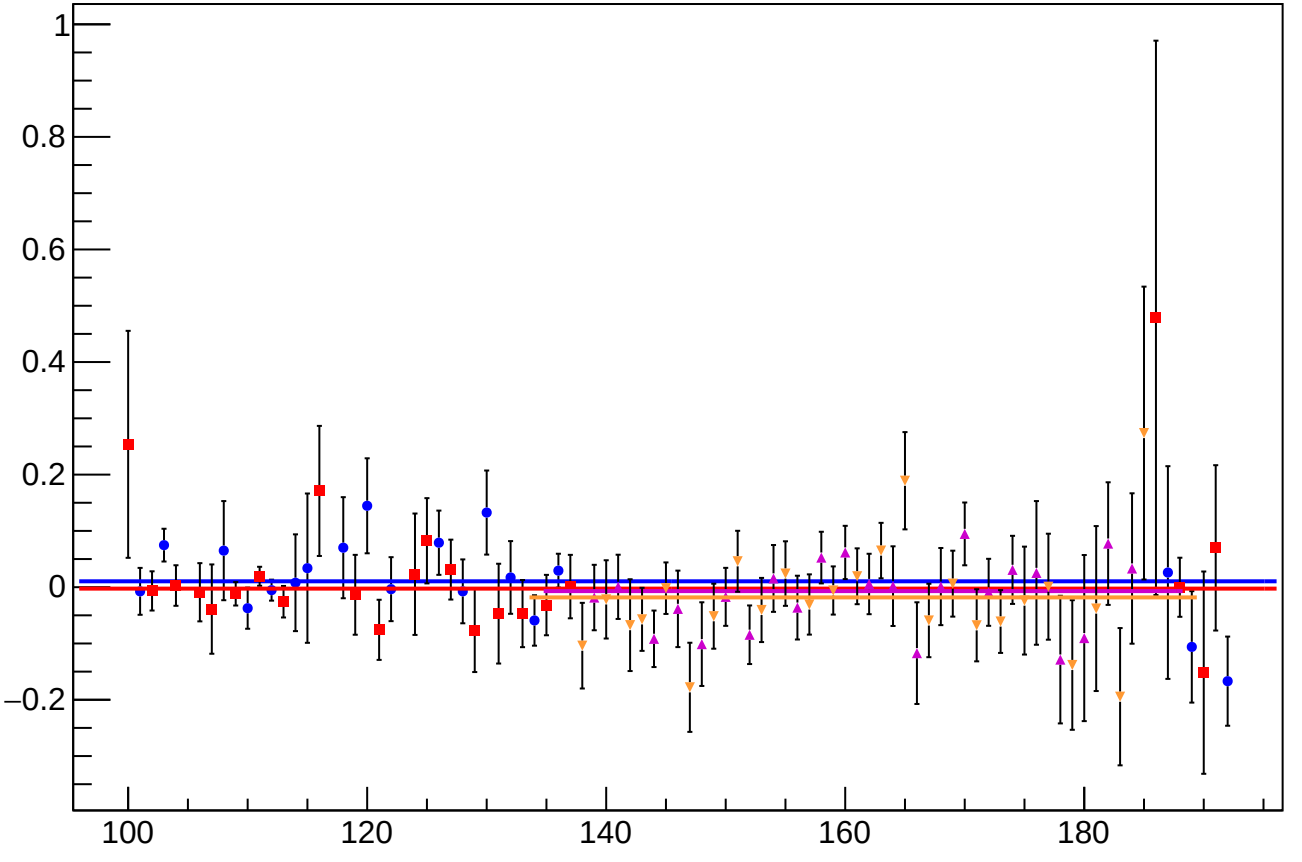
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 3180728.4/43

All: 0.000+/-0.000 χ^2/NDF: 6831331.0/89

- sign 0.000+/-0.000 χ^2/NDF: 3589990.6/45

asym_sam5_dit_vs_cor_diff_mean vs Slug



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

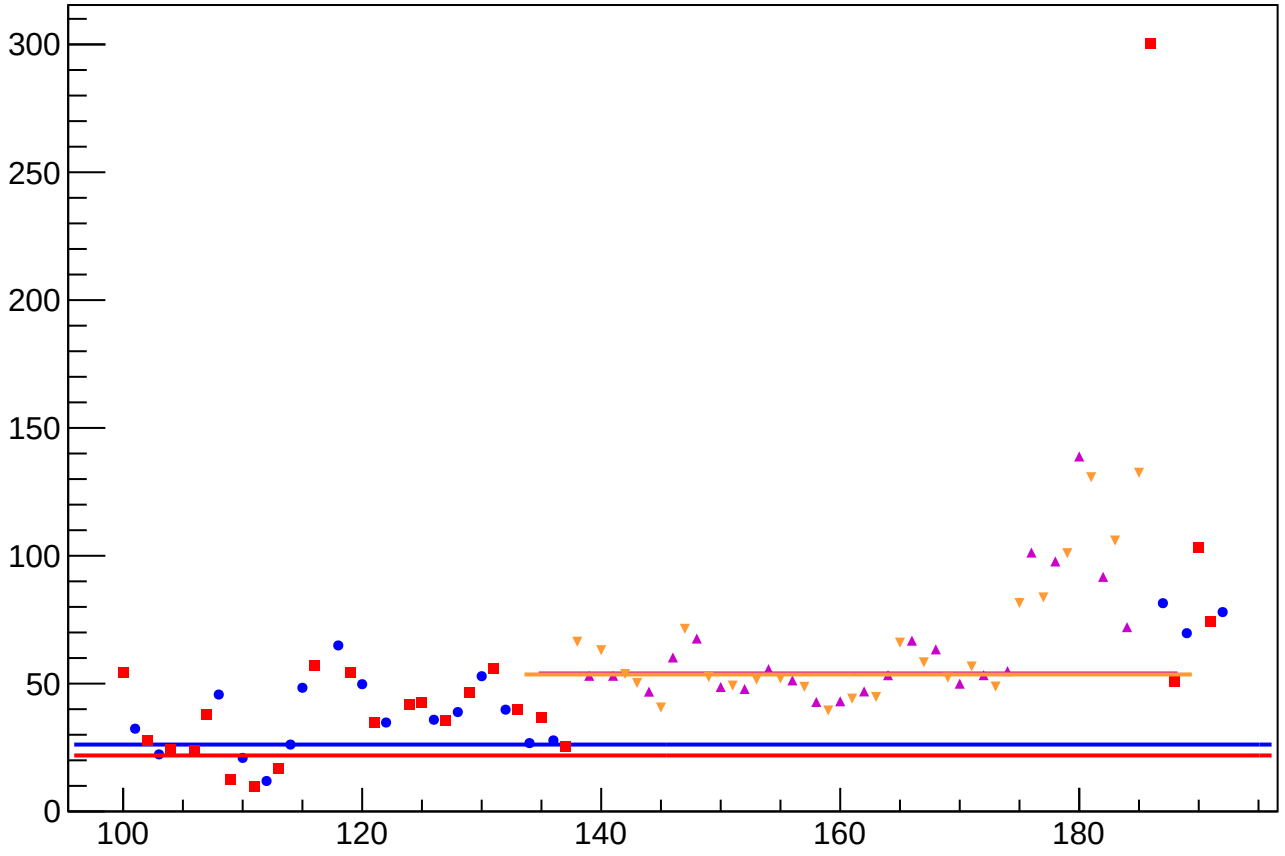
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/43

All: -0.003+/-0.005 χ^2/NDF: 84.9/89

- sign -0.004+/-0.007 χ^2/NDF: 33.1/45

asym_sam5_dit_vs_cor_diff_rms vs Slug



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

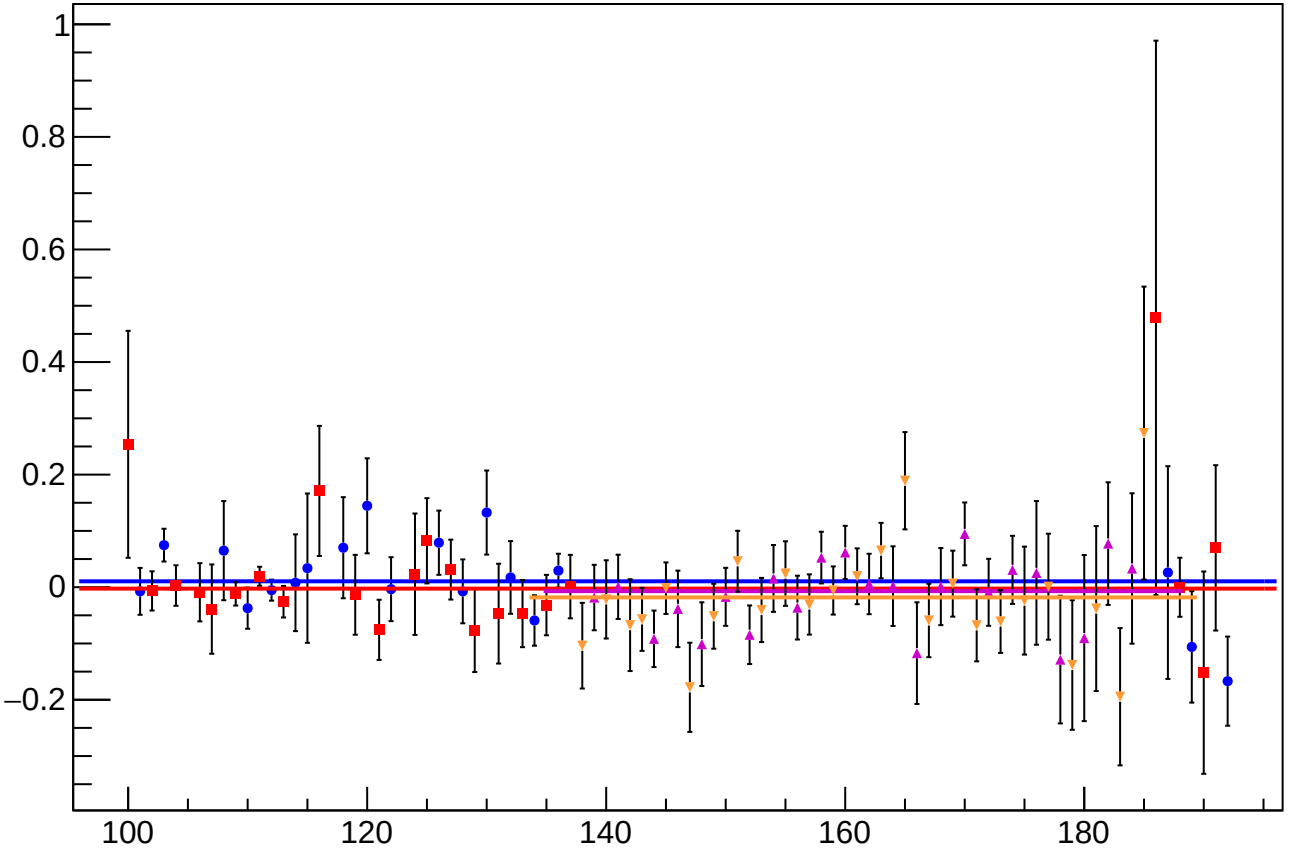
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 37.091+/-0.006 χ^2/NDF: 12106087.7/43

All: 34.435+/-0.004 χ^2/NDF: 28115452.6/89

- sign 32.168+/-0.005 χ^2/NDF: 15608984.6/45

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



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

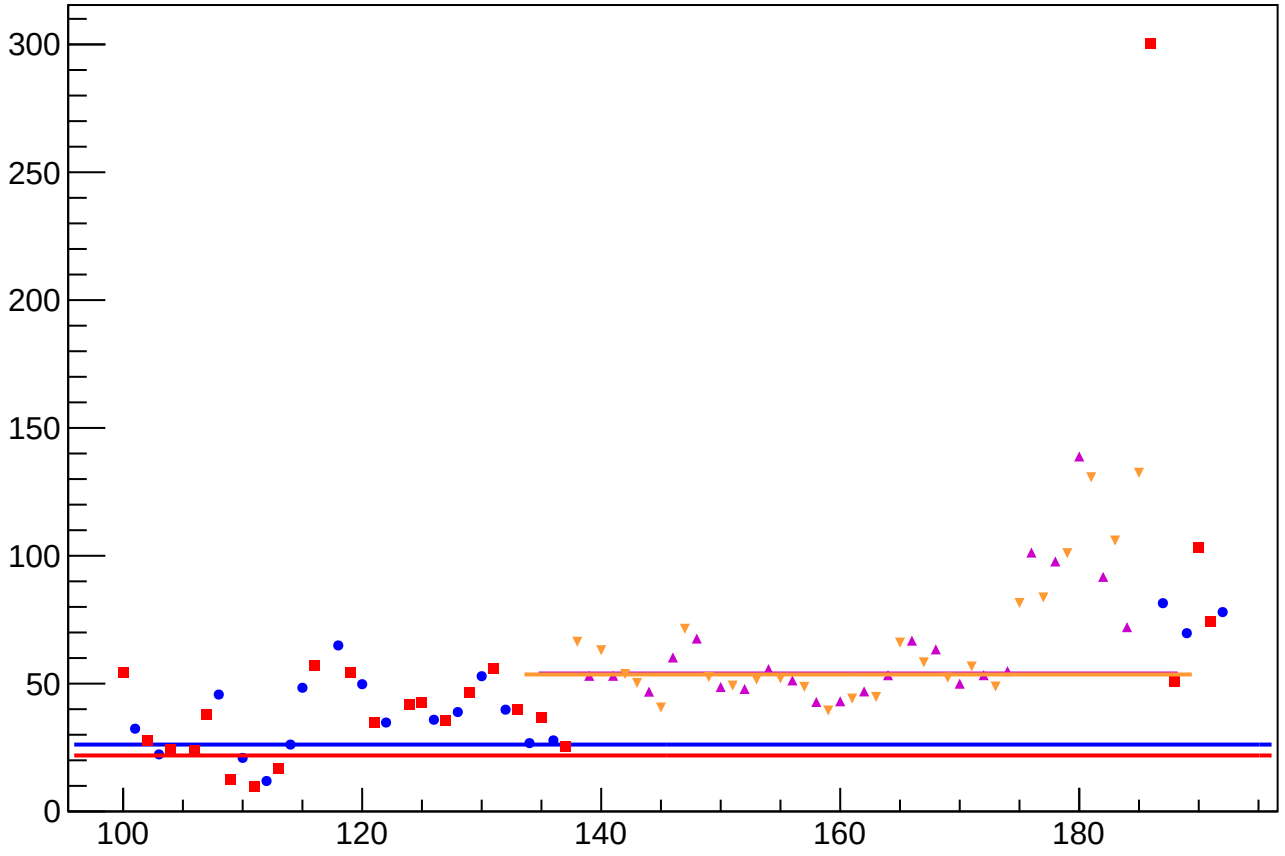
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/43

All: -0.003+/-0.005 χ^2/NDF: 84.9/89

- sign -0.004+/-0.007 χ^2/NDF: 33.1/45

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.164+/-0.007 χ^2/NDF: 3944620.4/18

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

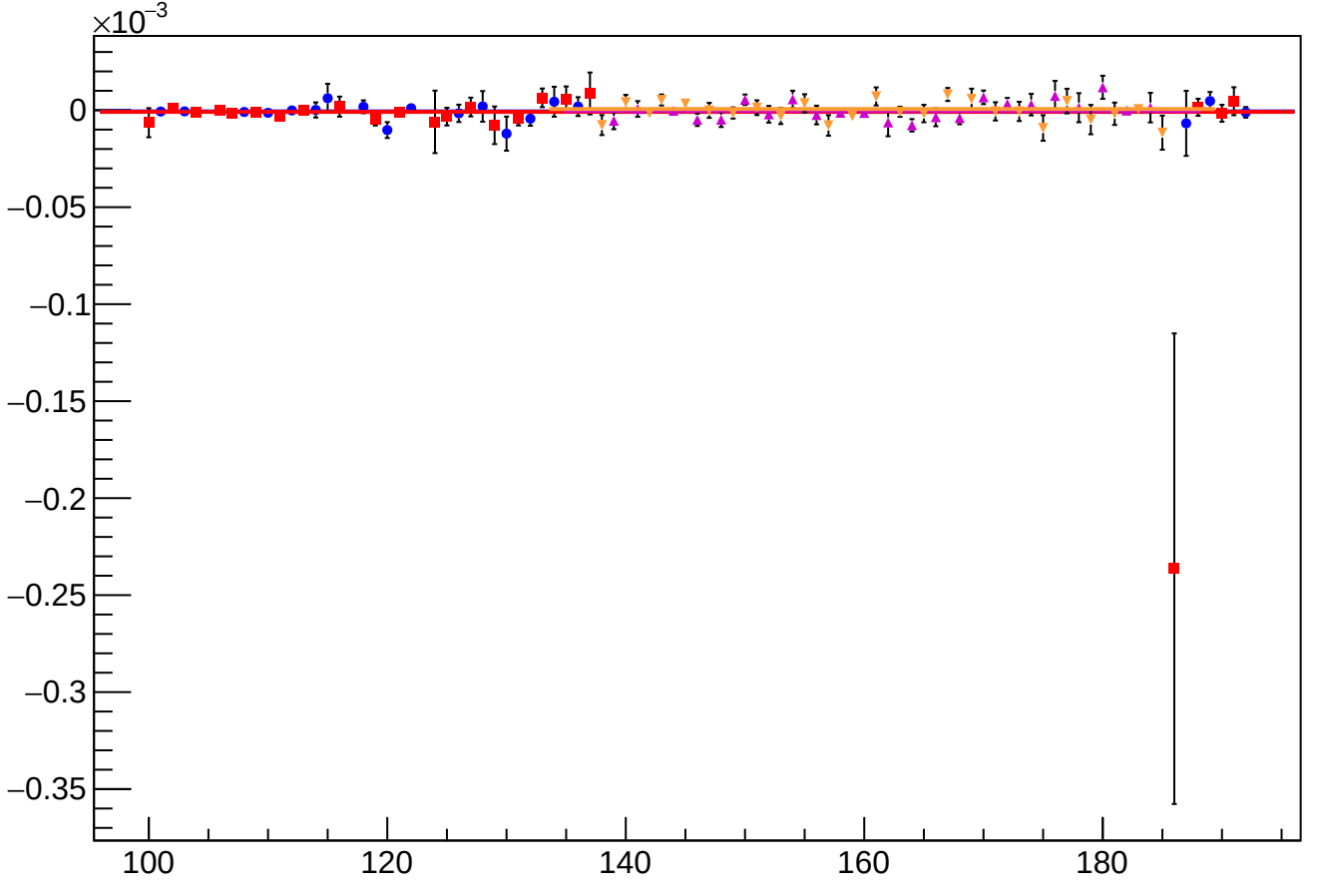
Right Out: 21.899+/-0.006 χ^2/NDF: 5540600.2/22

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 37.091+/-0.006 χ^2/NDF: 12106087.7/43

All: 34.435+/-0.004 χ^2/NDF: 28115452.6/89

- sign 32.168+/-0.005 χ^2/NDF: 15608984.6/45



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

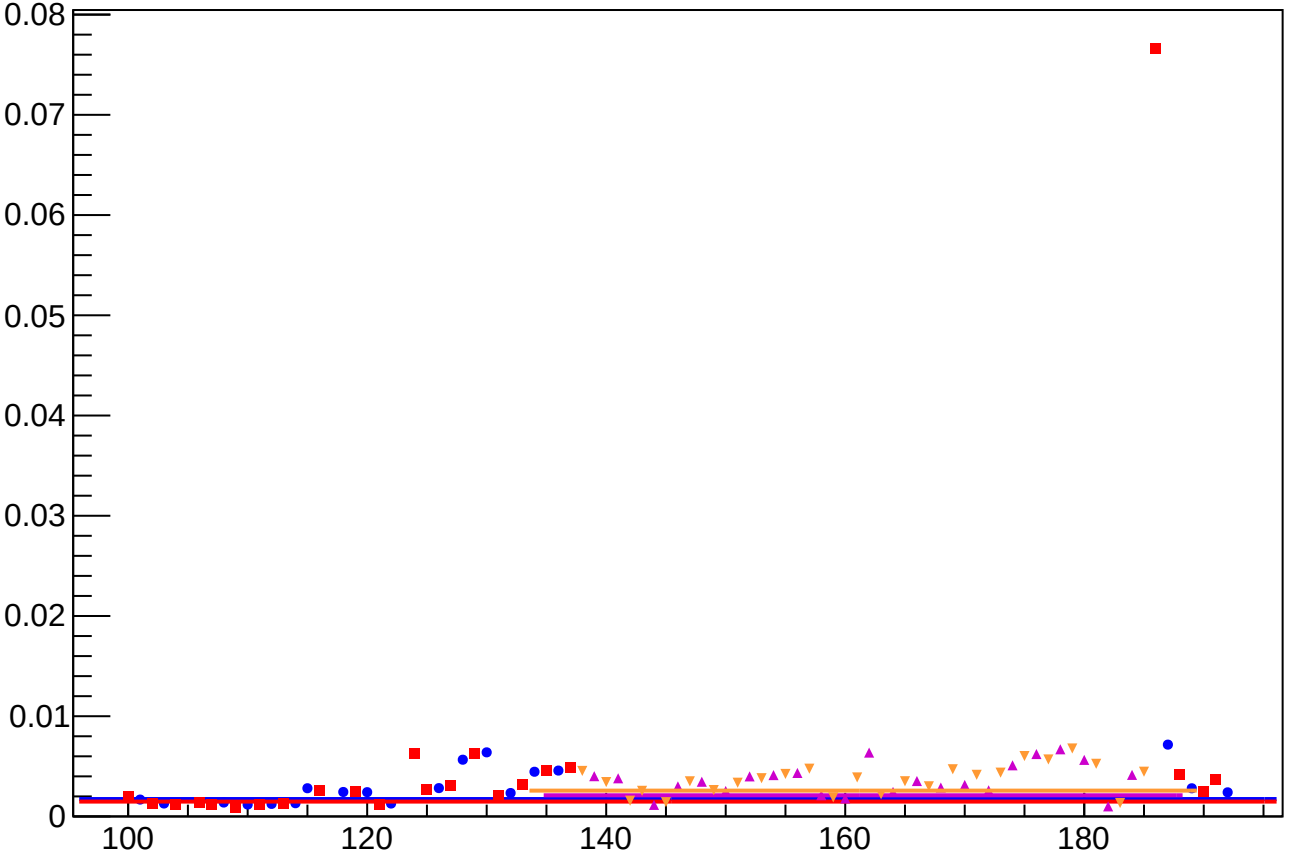
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.5/43

All: -0.000+/-0.000 χ^2/NDF: 94.2/89

- sign -0.000+/-0.000 χ^2/NDF: 47.8/45

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



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

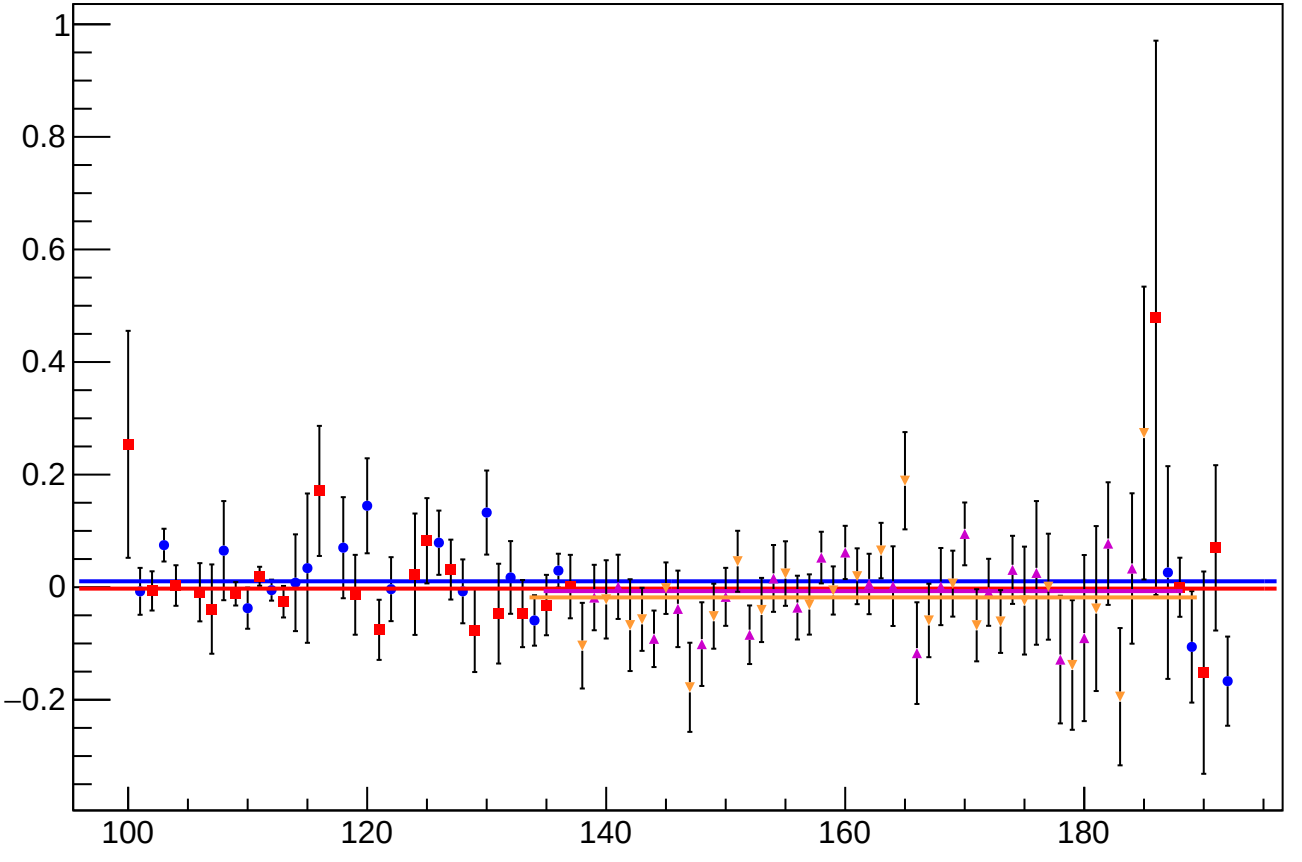
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12095082.5/43

All: 0.002+/-0.000 χ^2/NDF: 28218360.6/89

- sign 0.002+/-0.000 χ^2/NDF: 15432530.8/45

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



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

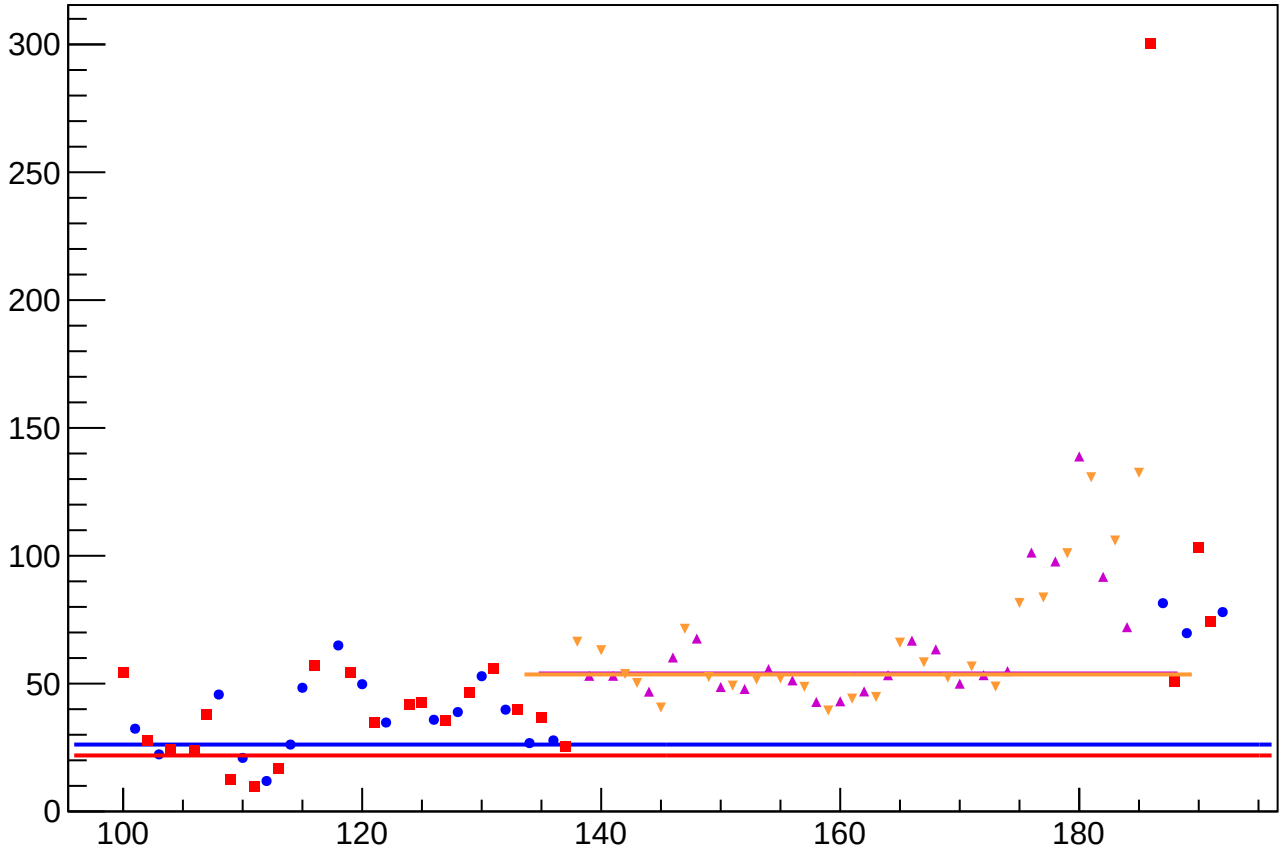
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/43

All: -0.003+/-0.005 χ^2/NDF: 84.9/89

- sign -0.004+/-0.007 χ^2/NDF: 33.1/45

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.163+/-0.007 χ^2/NDF: 3944611.7/18

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

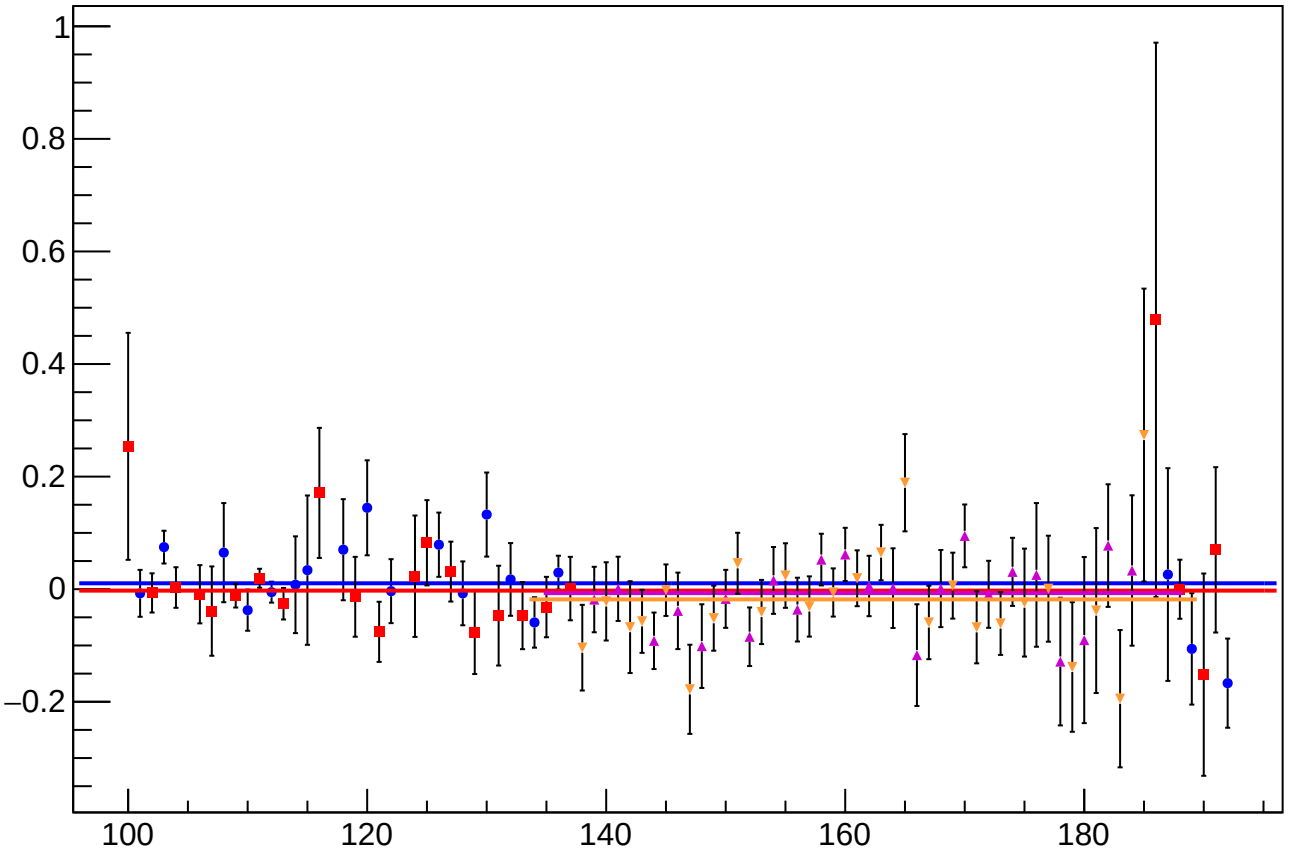
Right Out: 21.898+/-0.006 χ^2/NDF: 5540615.2/22

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 37.090+/-0.006 χ^2/NDF: 12106512.2/43

All: 34.434+/-0.004 χ^2/NDF: 28116428.8/89

- sign 32.167+/-0.005 χ^2/NDF: 15609507.4/45



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

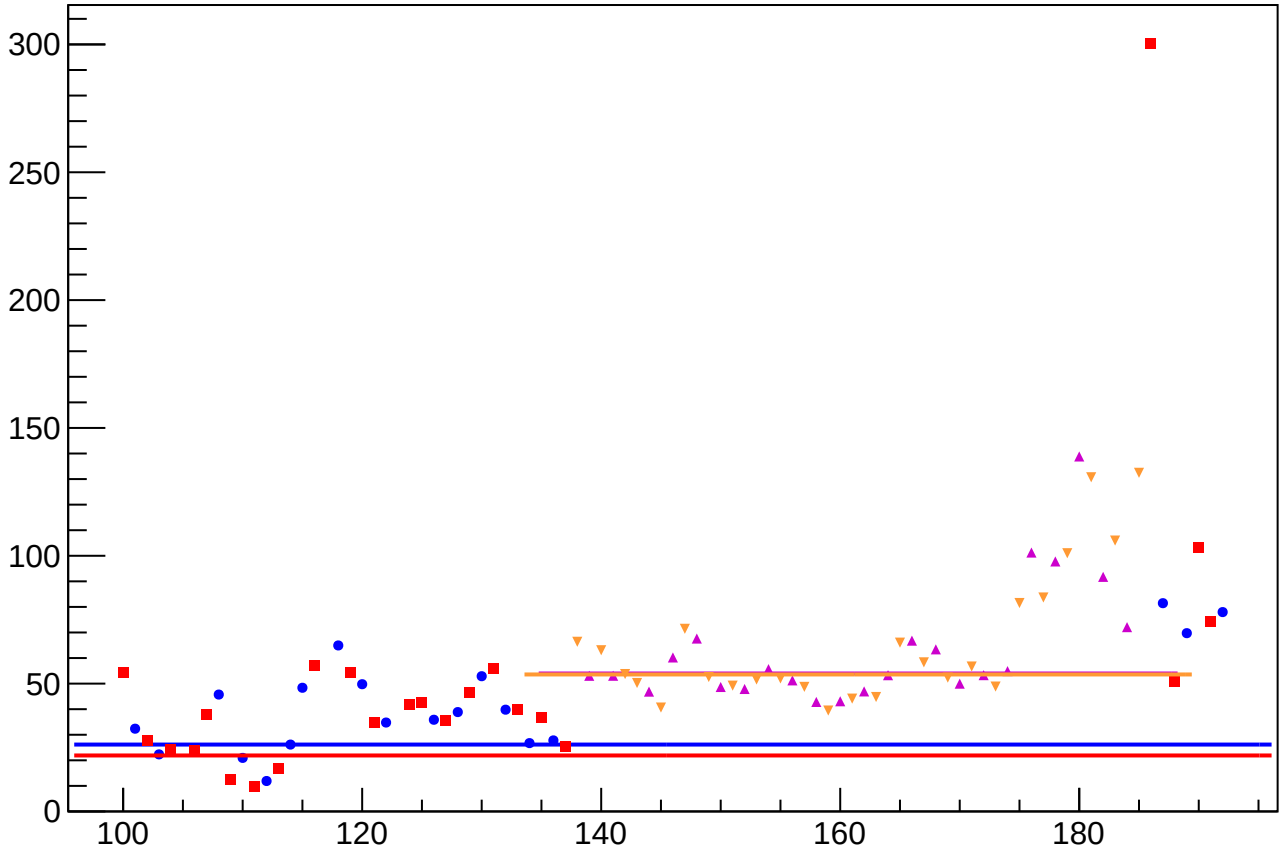
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/43

All: -0.003+/-0.005 χ^2/NDF: 84.9/89

- sign -0.004+/-0.007 χ^2/NDF: 33.1/45

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

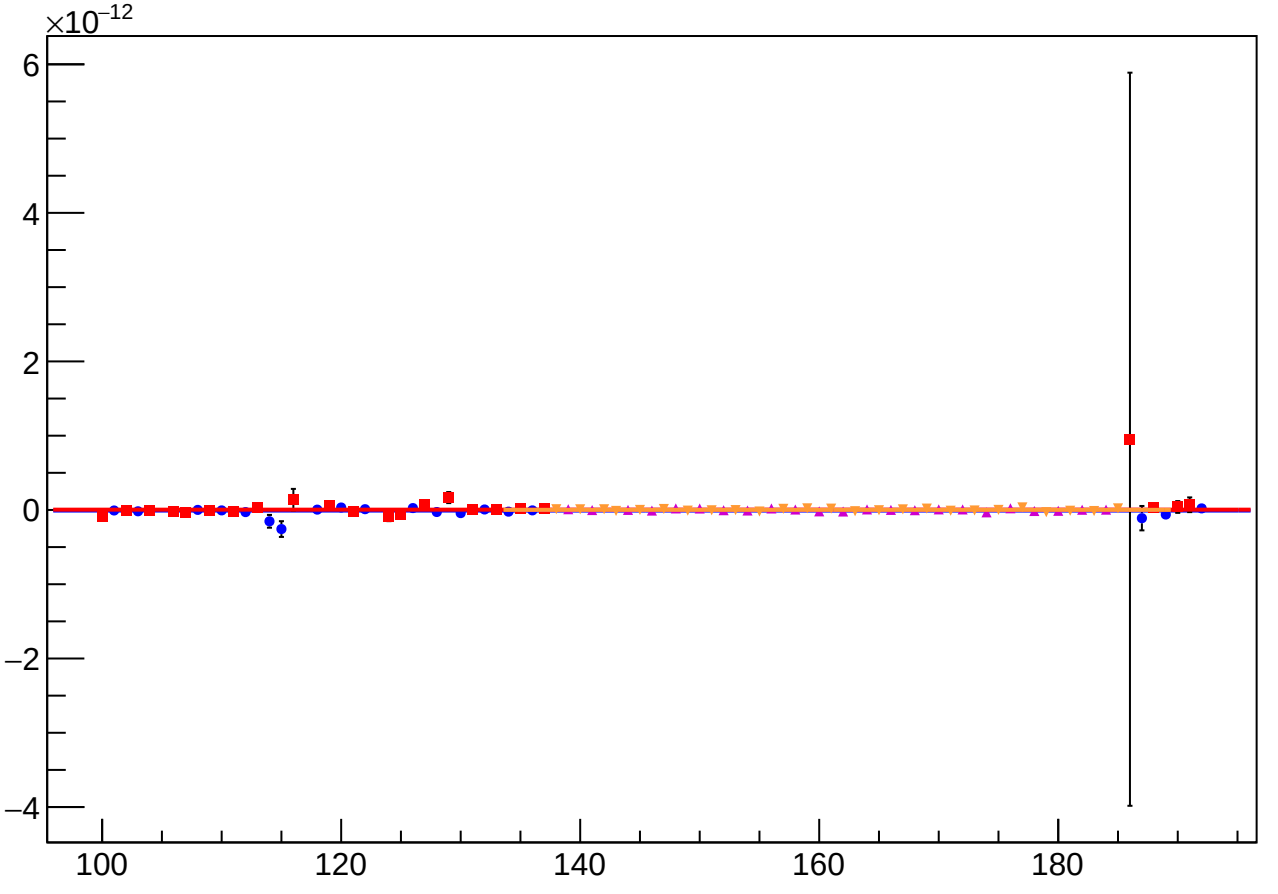
Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 37.090+/-0.006 χ^2/NDF: 12106512.2/43

All: 34.434+/-0.004 χ^2/NDF: 28116428.8/89

- sign 32.167+/-0.005 χ^2/NDF: 15609507.4/45

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/22

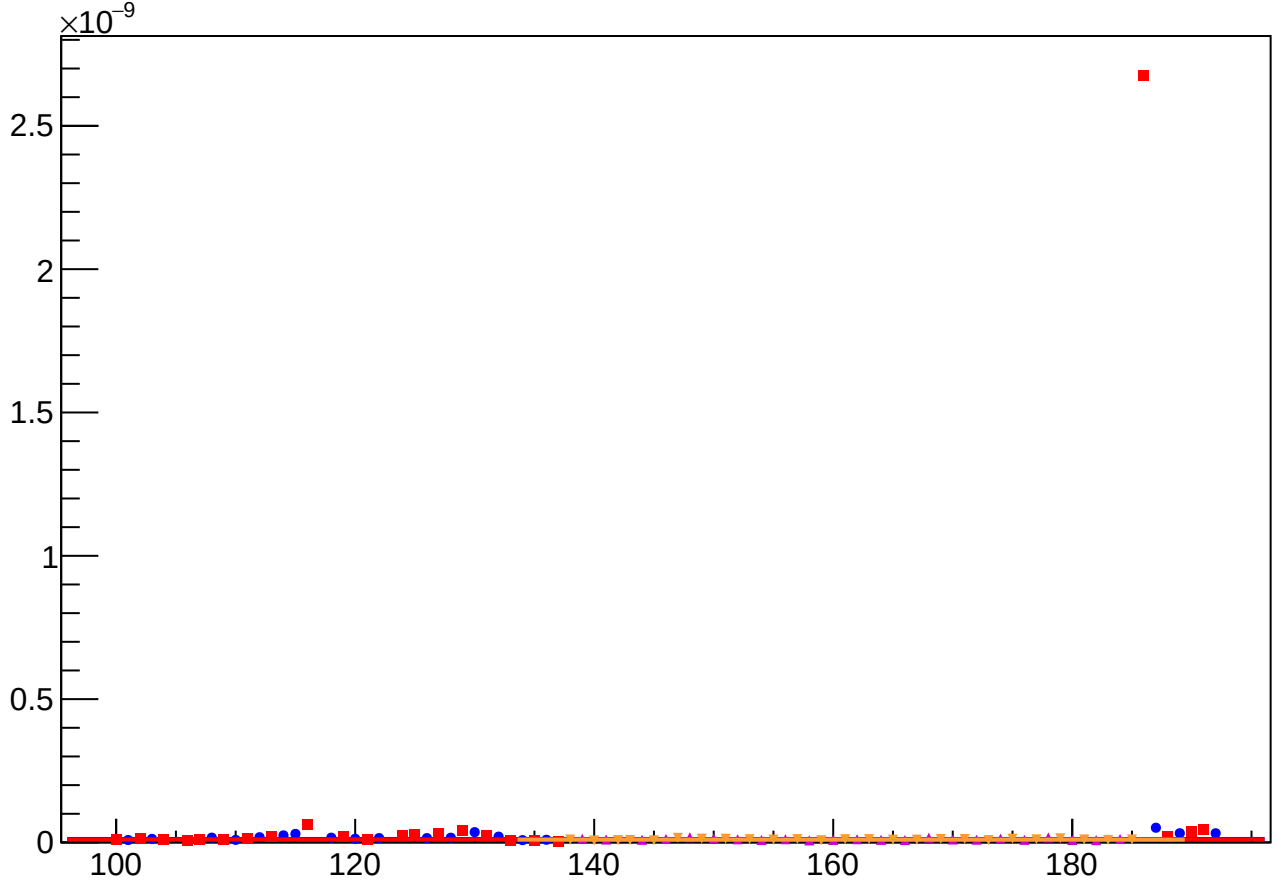
Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.9/43

All: 0.000+/-0.000 χ^2/NDF: 92.4/89

- sign 0.000+/-0.000 χ^2/NDF: 46.3/45

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug



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

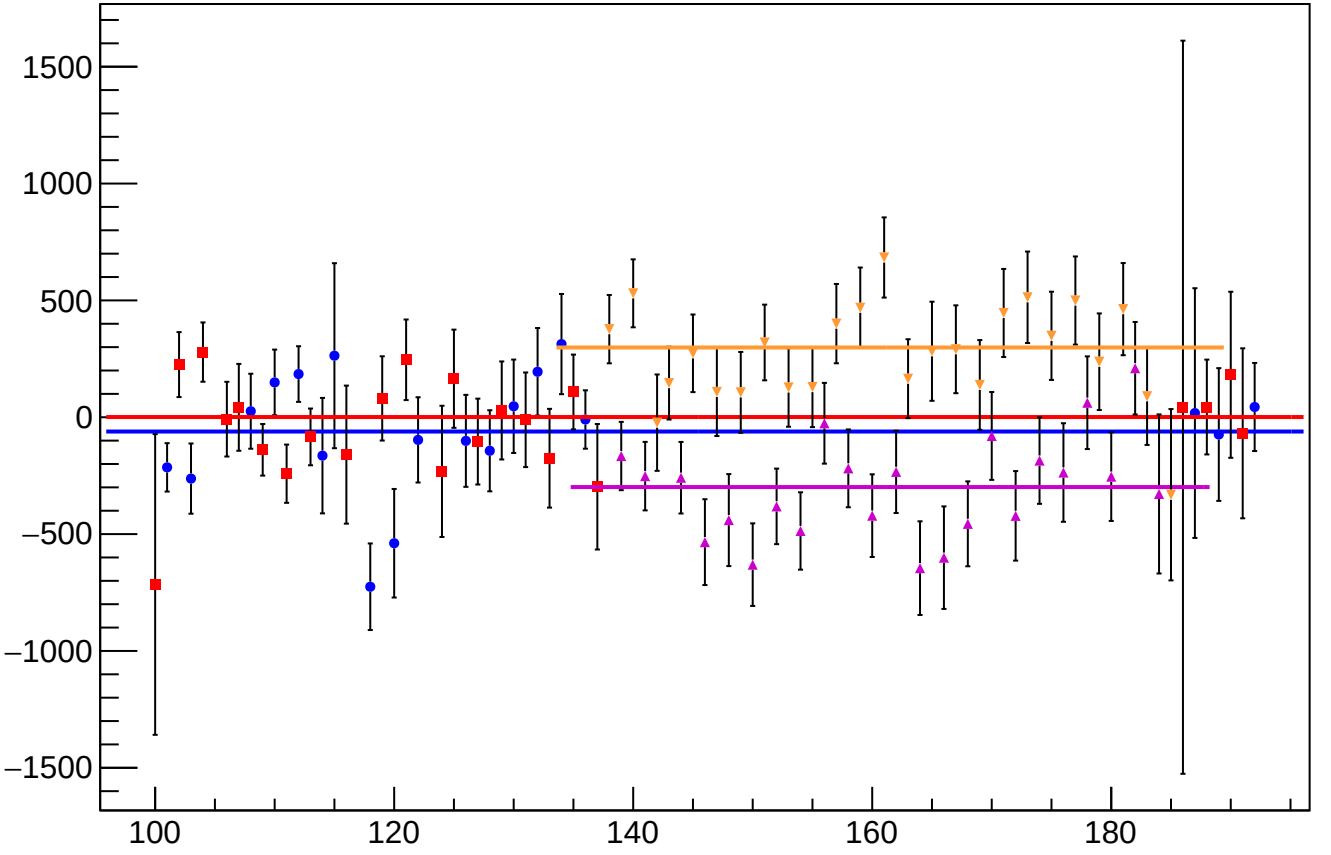
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 3459706.7/43

All: 0.000+/-0.000 χ^2/NDF: 8778567.6/89

- sign 0.000+/-0.000 χ^2/NDF: 5318678.3/45

reg_asym_sam6_mean vs Slug



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

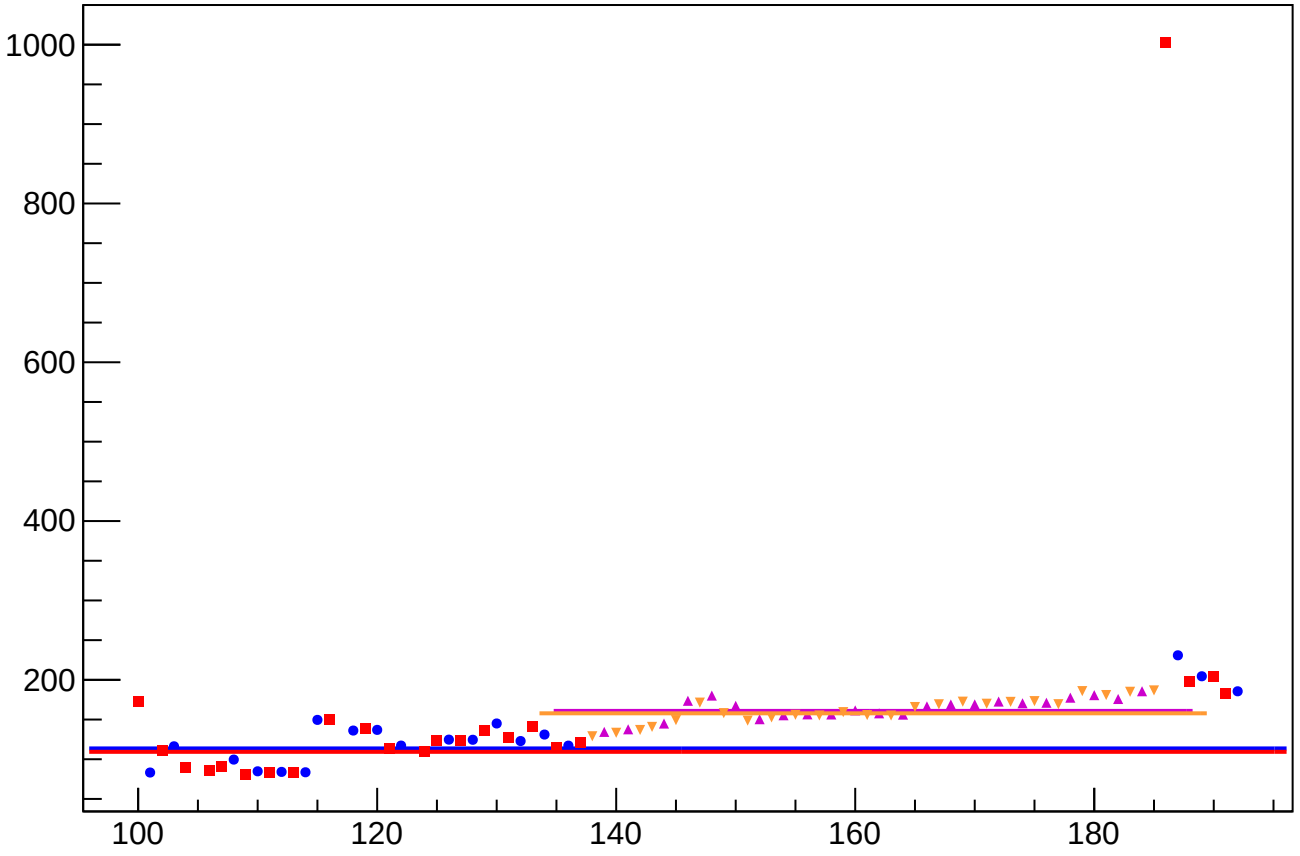
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 135.125+/-26.629 χ^2/NDF: 105.9/43

All: -6.617+/-18.848 χ^2/NDF: 245.1/89

- sign -148.907+/-26.681 χ^2/NDF: 82.4/45

reg_asym_sam6_rms vs Slug



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

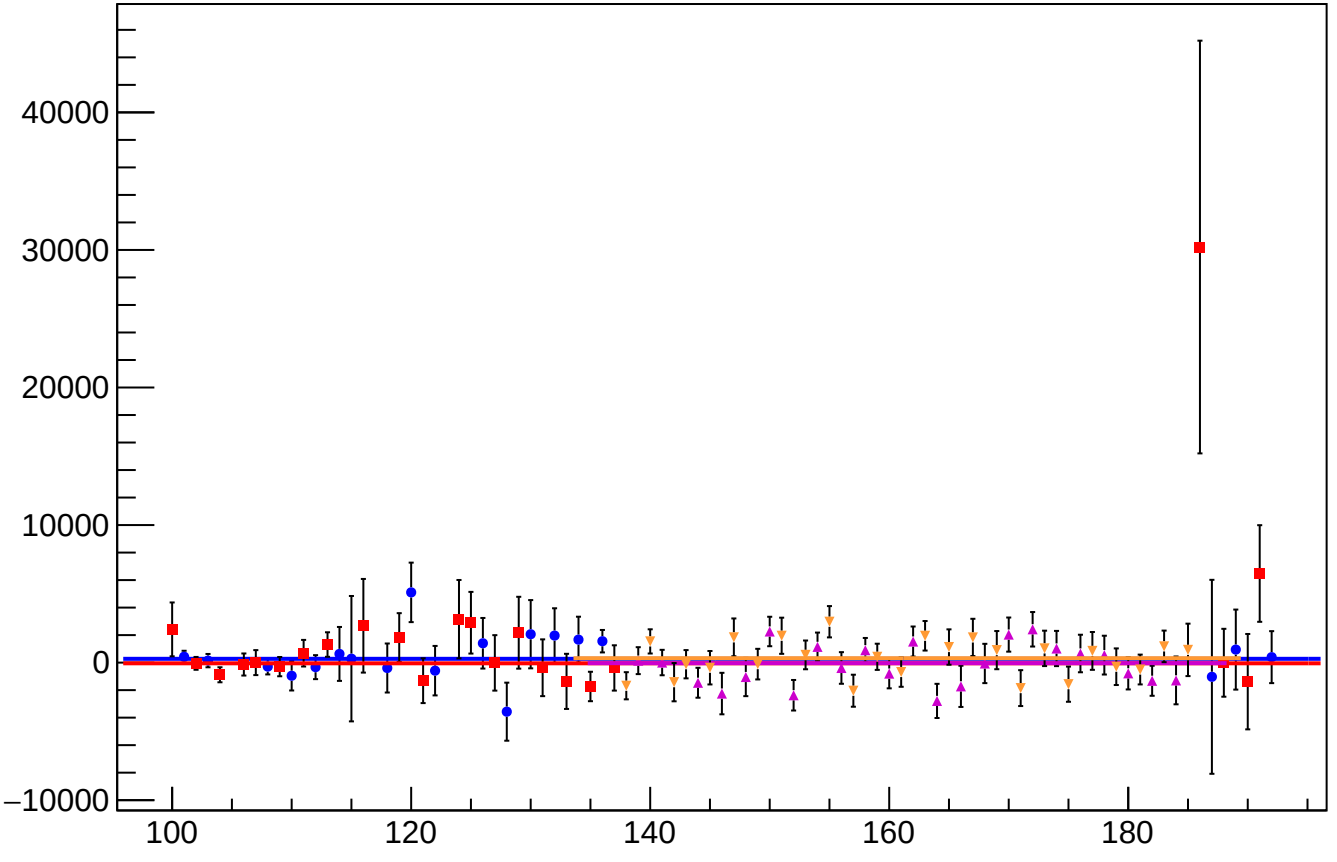
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 137.744+/-0.019 χ^2/NDF: 2912724.1/43

All: 136.432+/-0.013 χ^2/NDF: 6975867.9/89

- sign 135.115+/-0.019 χ^2/NDF: 4053421.3/45

asym_sam6_reg_correction_mean vs Slug



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

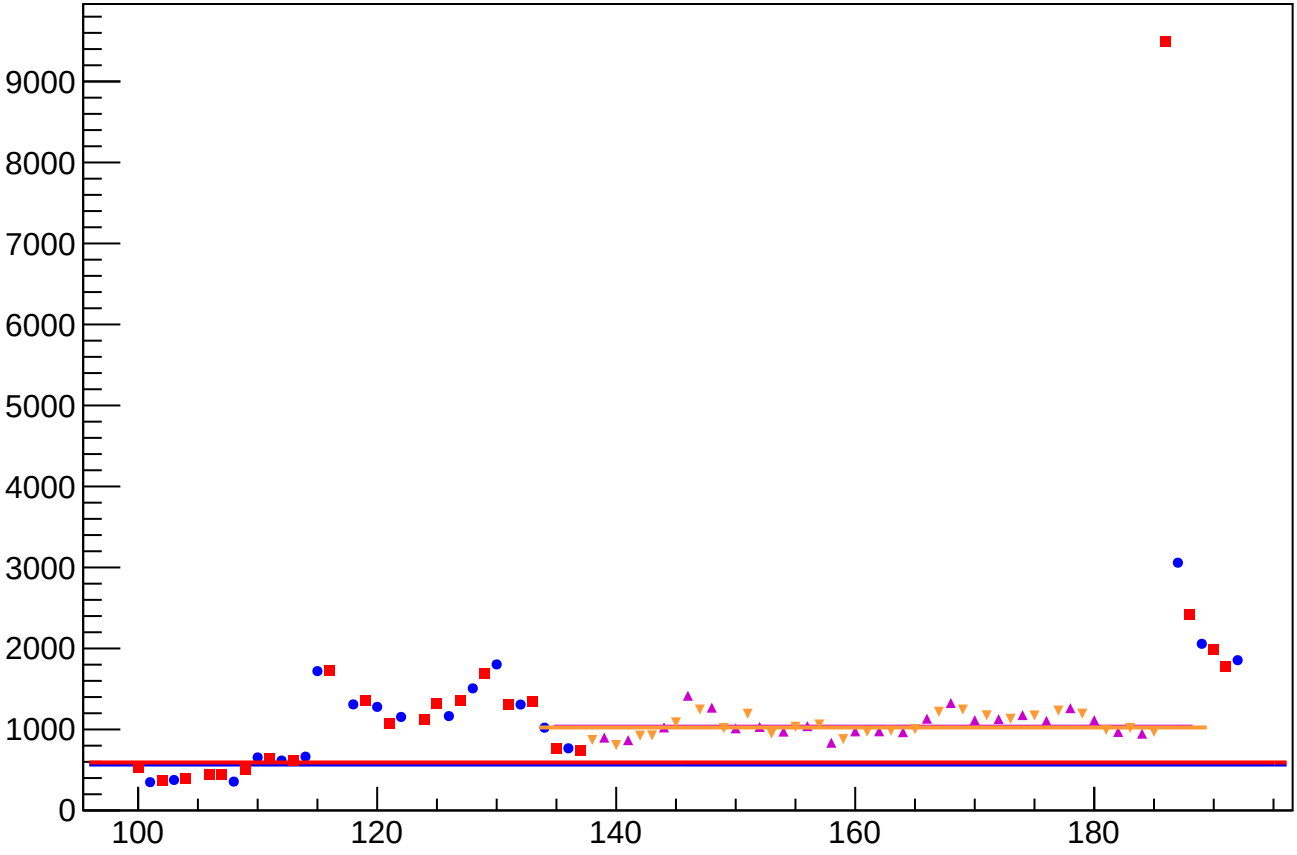
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 297.388+/-163.718 χ^2/NDF: 49.1/43

All: 130.106+/-117.065 χ^2/NDF: 109.7/89

- sign -44.898+/-167.454 χ^2/NDF: 58.5/45

asym_sam6_reg_correction_rms vs Slug



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

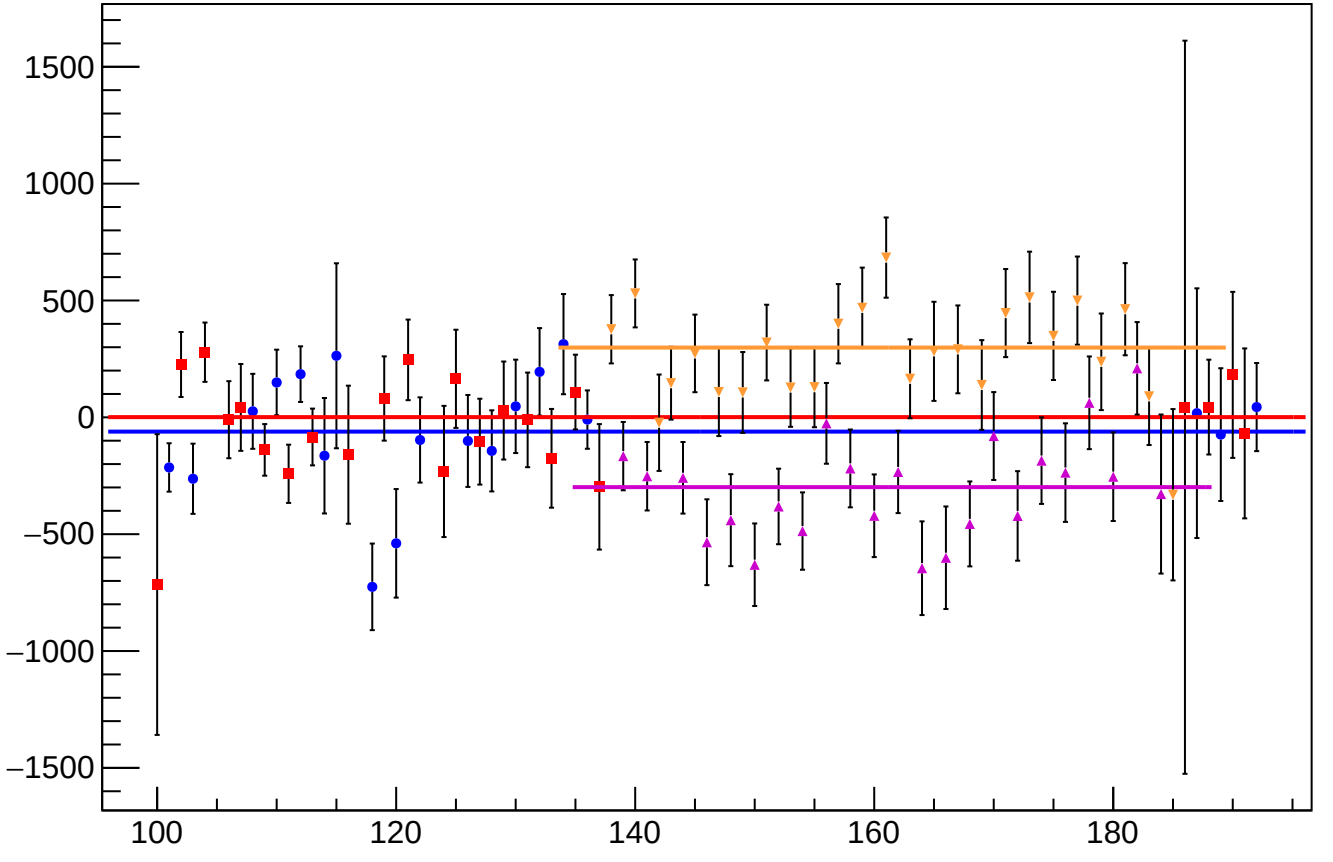
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 788.850+/-0.116 χ^2/NDF: 9873790.0/43

All: 794.488+/-0.083 χ^2/NDF: 19464463.1/89

- sign 800.386+/-0.118 χ^2/NDF: 9585819.7/45

cor_asym_sam6_mean vs Slug



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

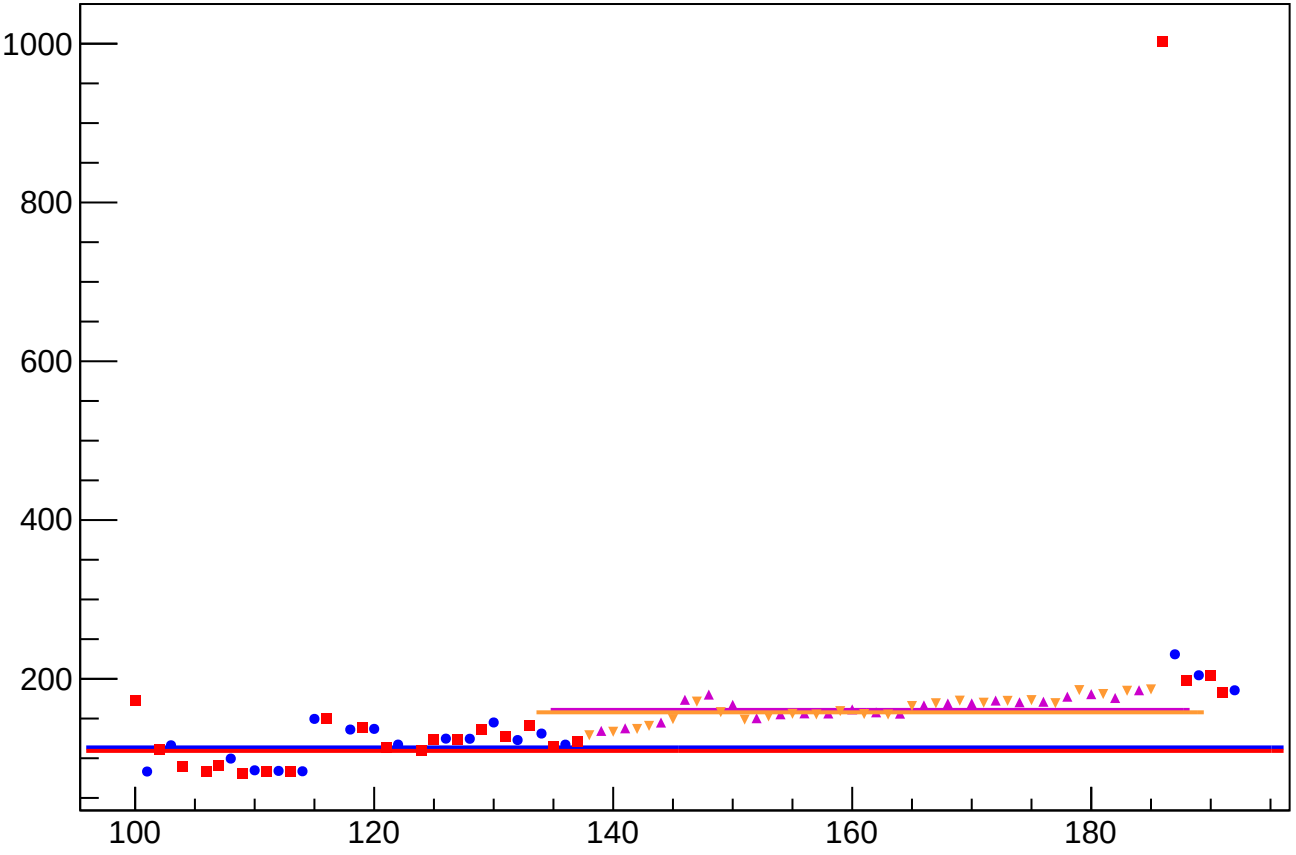
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 135.115+/-26.629 χ^2/NDF: 105.9/43

All: -6.639+/-18.856 χ^2/NDF: 245.2/89

- sign -149.181+/-26.703 χ^2/NDF: 82.4/45

cor_asym_sam6_rms vs Slug



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

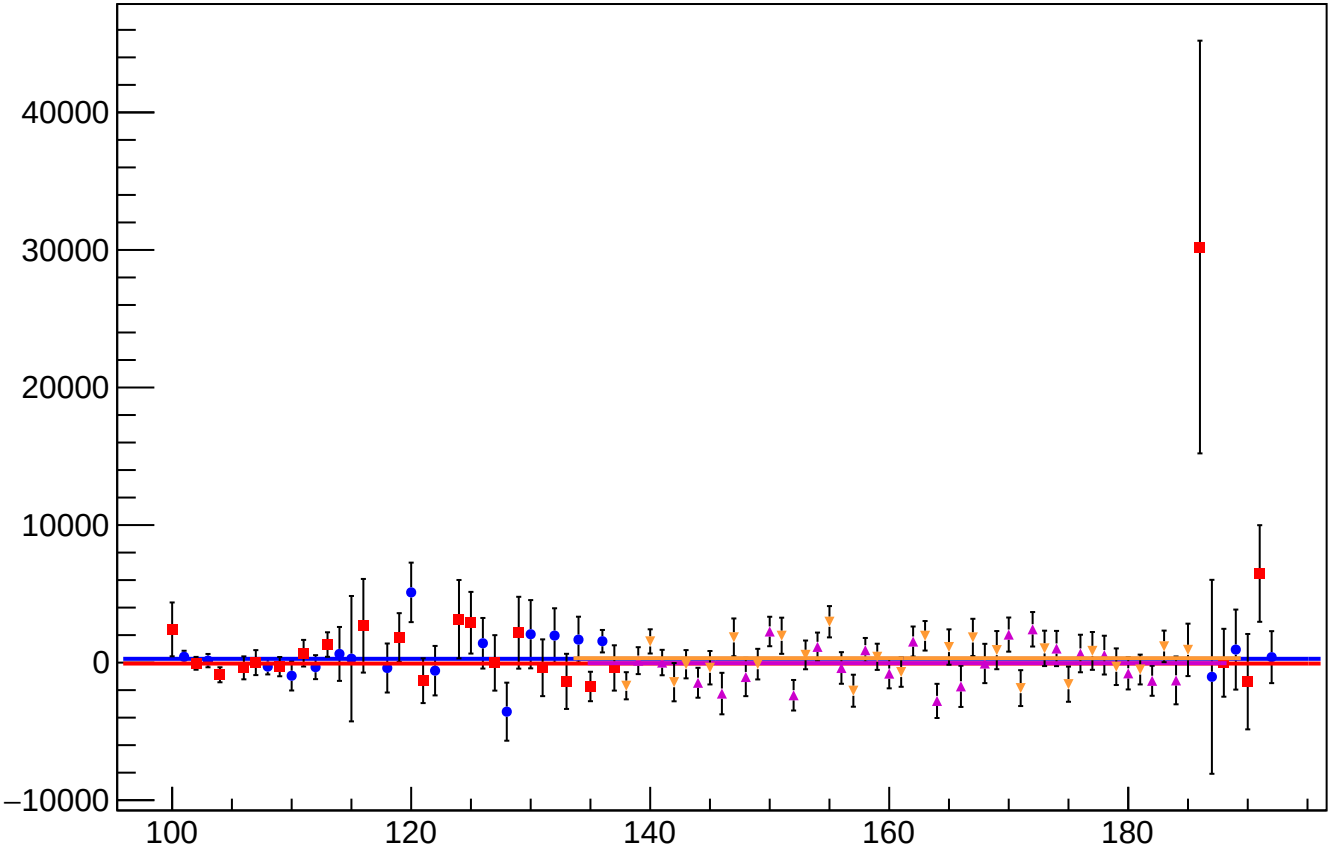
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 137.744+/-0.019 χ^2/NDF: 2912720.8/43

All: 136.434+/-0.013 χ^2/NDF: 6987855.0/89

- sign 135.116+/-0.019 χ^2/NDF: 4065426.6/45

asym_sam6_cor_correction_mean vs Slug



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

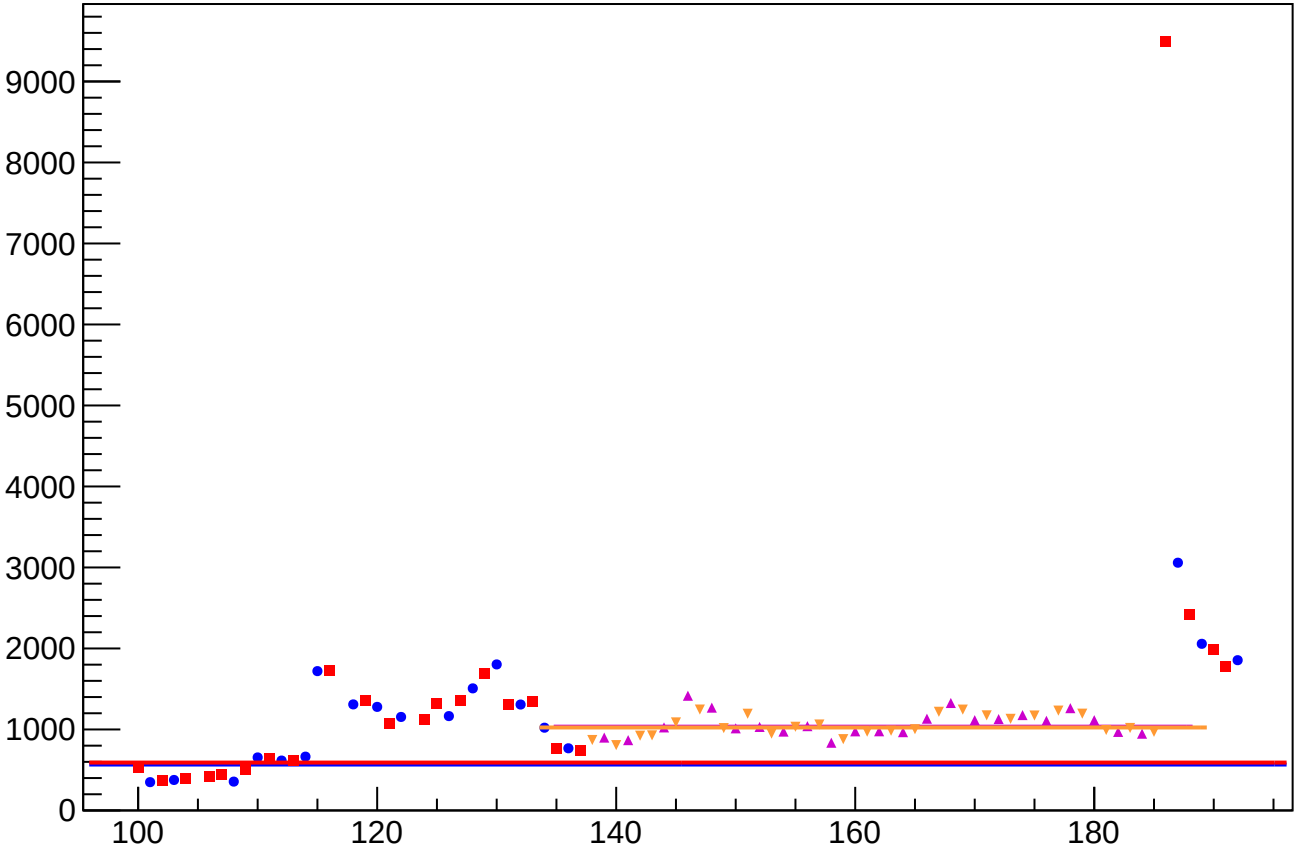
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 297.461+/-163.715 χ^2/NDF: 49.1/43

All: 125.938+/-117.144 χ^2/NDF: 110.0/89

- sign -54.011+/-167.689 χ^2/NDF: 58.6/45

asym_sam6_cor_correction_rms vs Slug



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

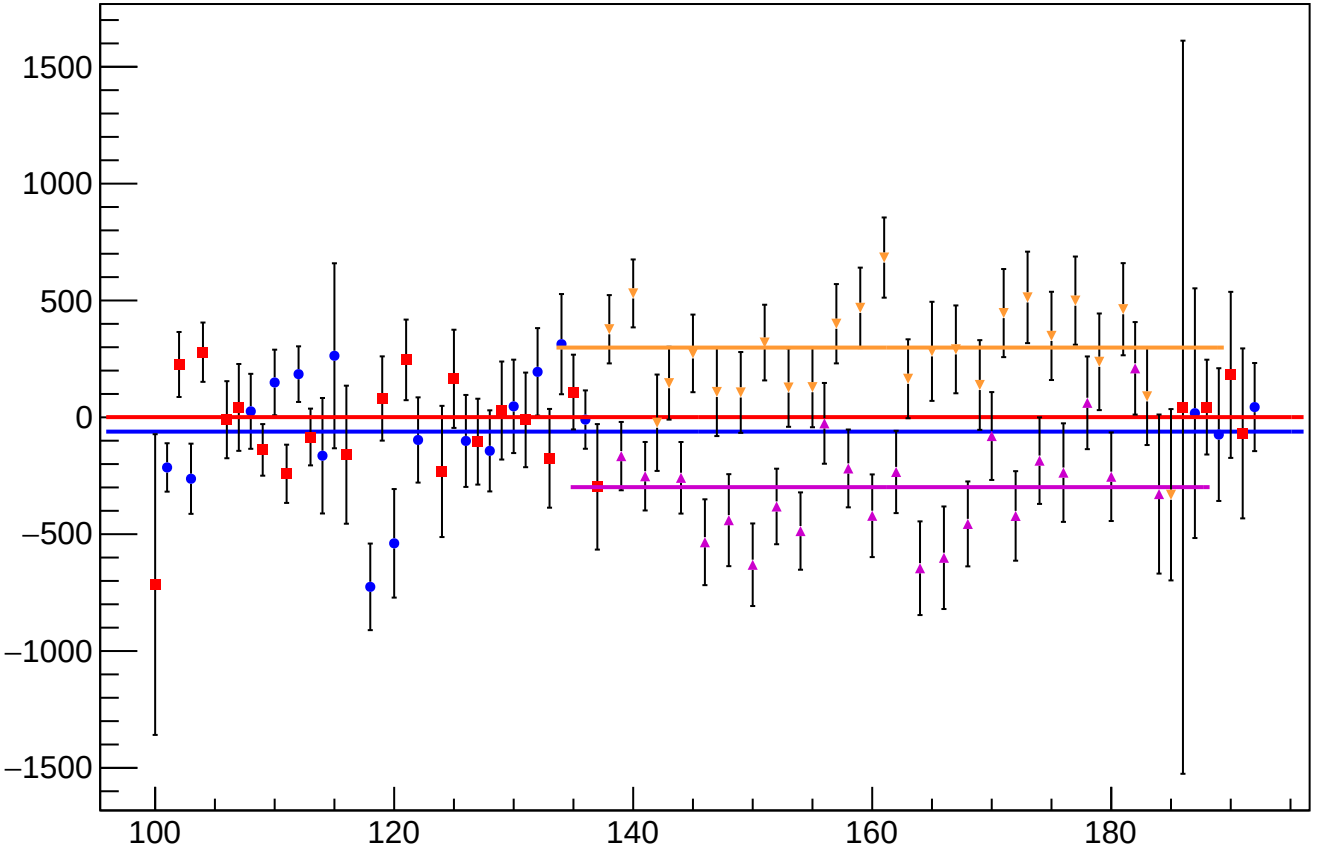
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 788.831+/-0.116 χ^2/NDF: 9874552.3/43

All: 794.397+/-0.083 χ^2/NDF: 19501290.2/89

- sign 800.236+/-0.119 χ^2/NDF: 9622001.9/45

eigen_cor_asym_sam6_mean vs Slug



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

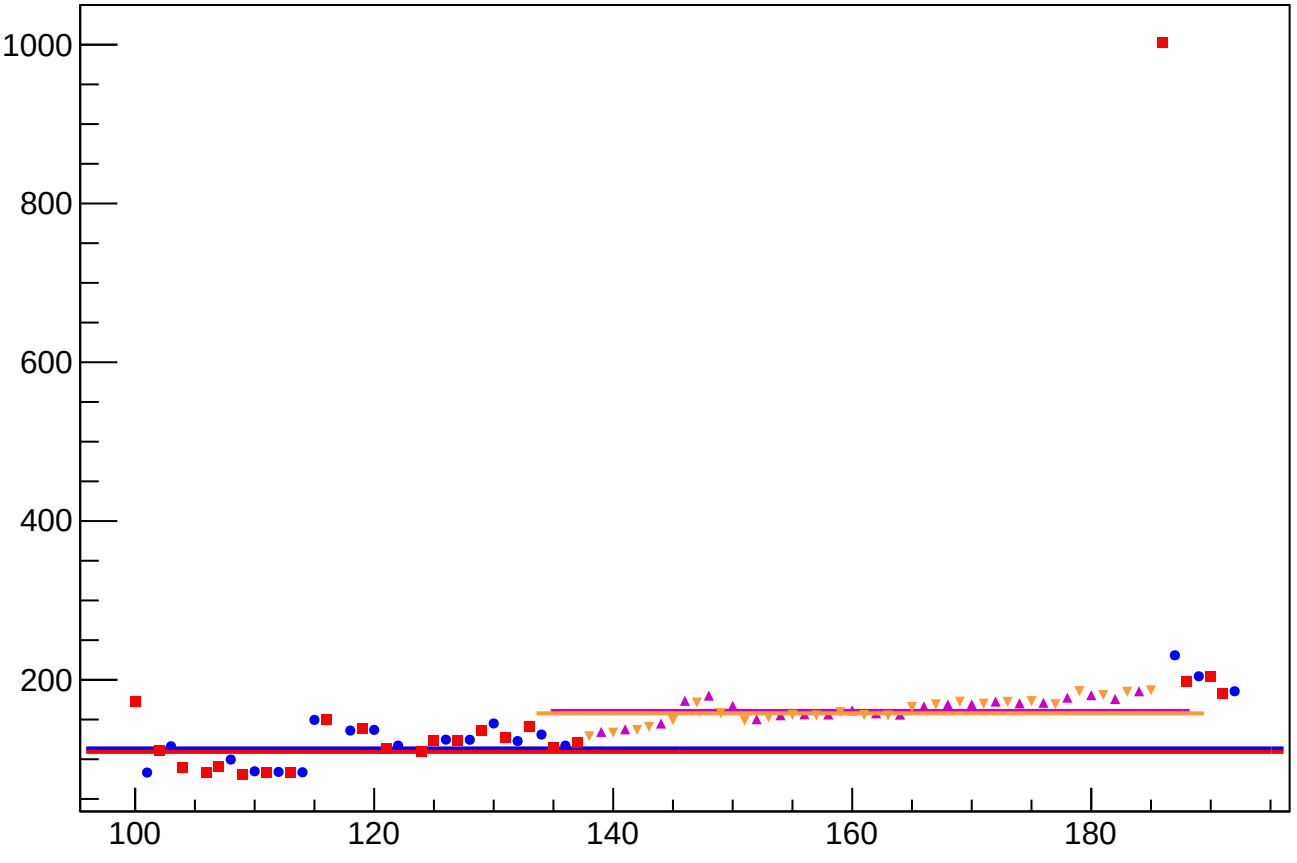
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 135.115+/-26.629 χ^2/NDF: 105.9/43

All: -6.639+/-18.856 χ^2/NDF: 245.2/89

- sign -149.181+/-26.703 χ^2/NDF: 82.4/45

eigen_cor_asym_sam6_rms vs Slug



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

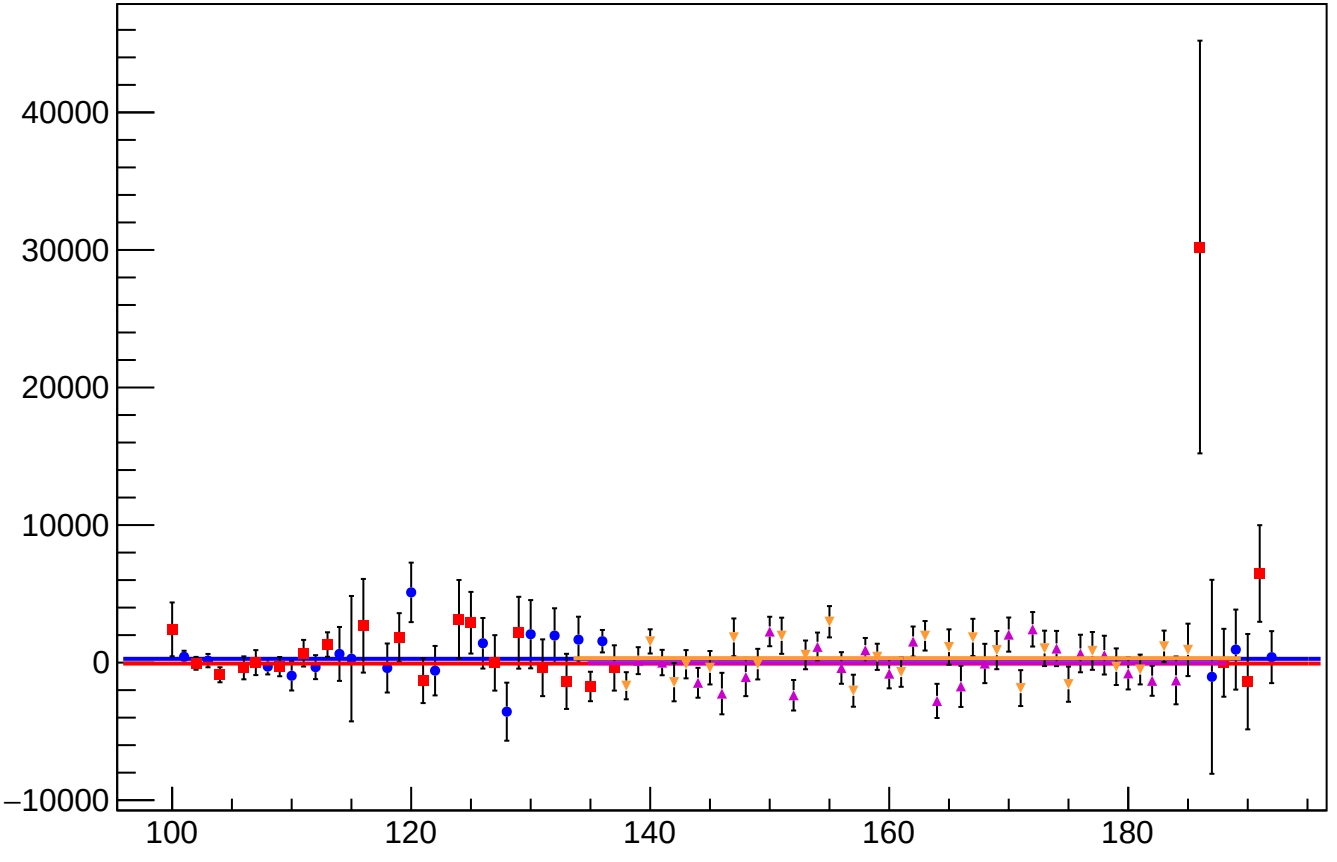
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 137.744+/-0.019 χ^2/NDF: 2912720.8/43

All: 136.434+/-0.013 χ^2/NDF: 6987855.0/89

- sign 135.116+/-0.019 χ^2/NDF: 4065426.6/45

asym_sam6_eigen_cor_correction_mean vs Slug



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

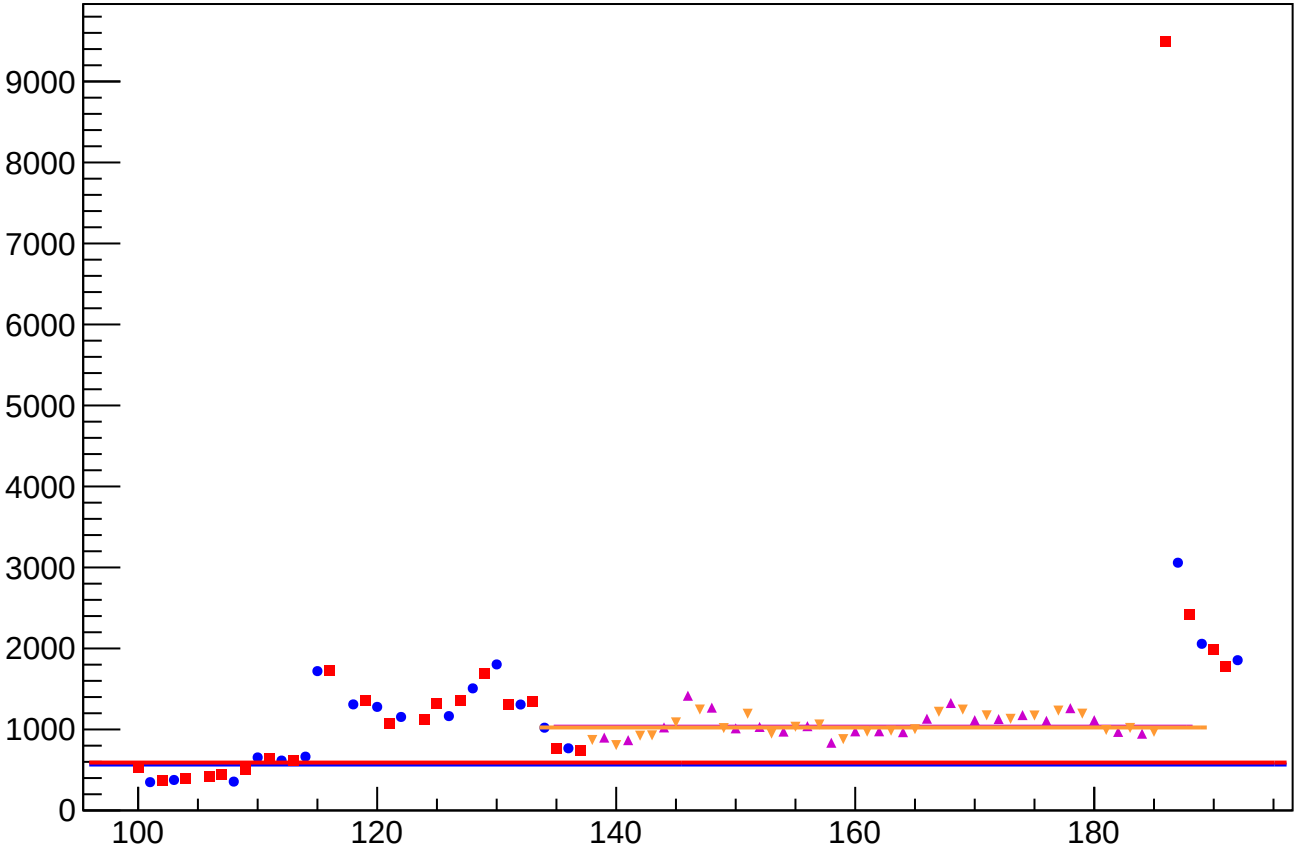
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 297.461+/-163.715 χ^2/NDF: 49.1/43

All: 125.938+/-117.144 χ^2/NDF: 110.0/89

- sign -54.011+/-167.689 χ^2/NDF: 58.6/45

asym_sam6_eigen_cor_correction_rms vs Slug



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

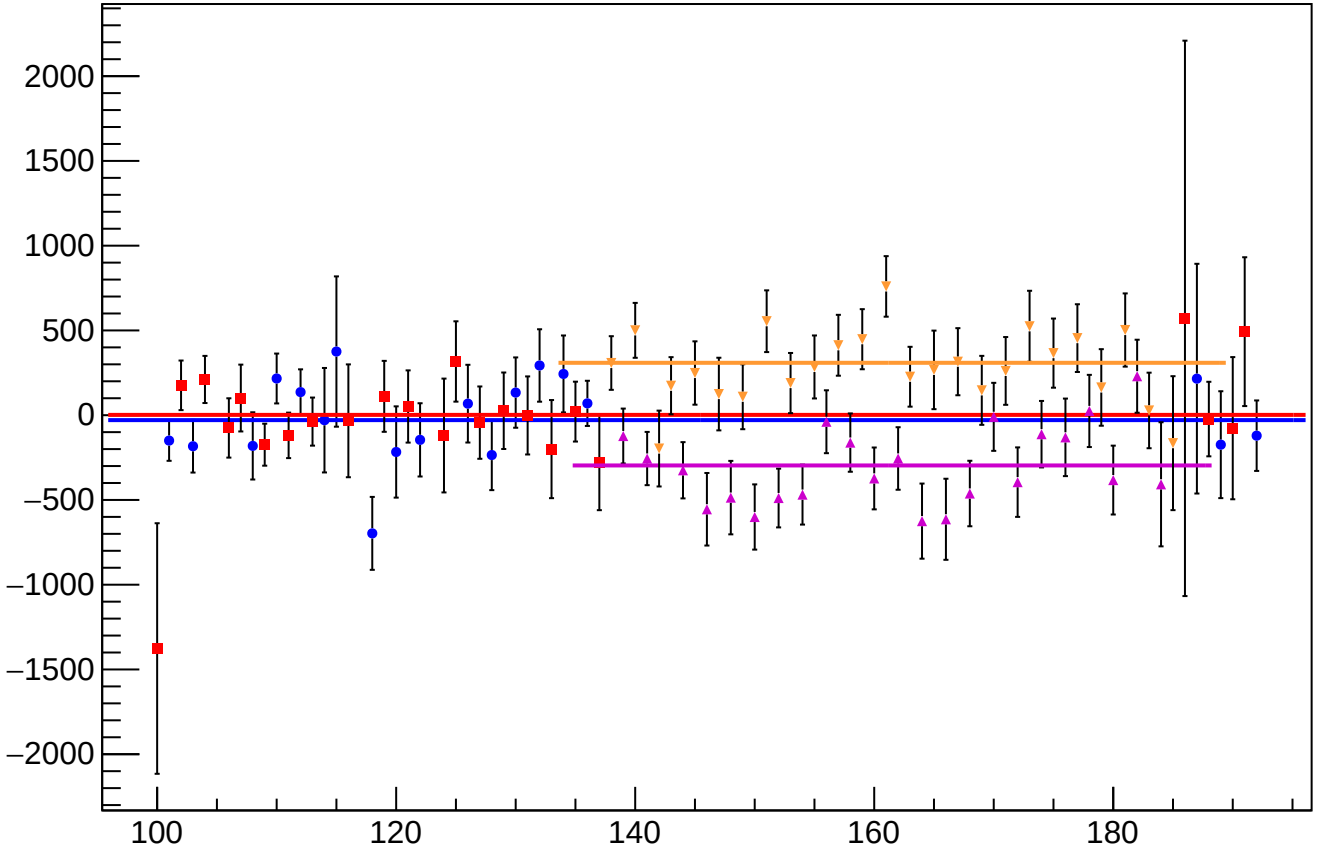
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 788.831+/-0.116 χ^2/NDF: 9874552.3/43

All: 794.397+/-0.083 χ^2/NDF: 19501290.2/89

- sign 800.236+/-0.119 χ^2/NDF: 9622001.9/45

dit_asym_sam6_mean vs Slug



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

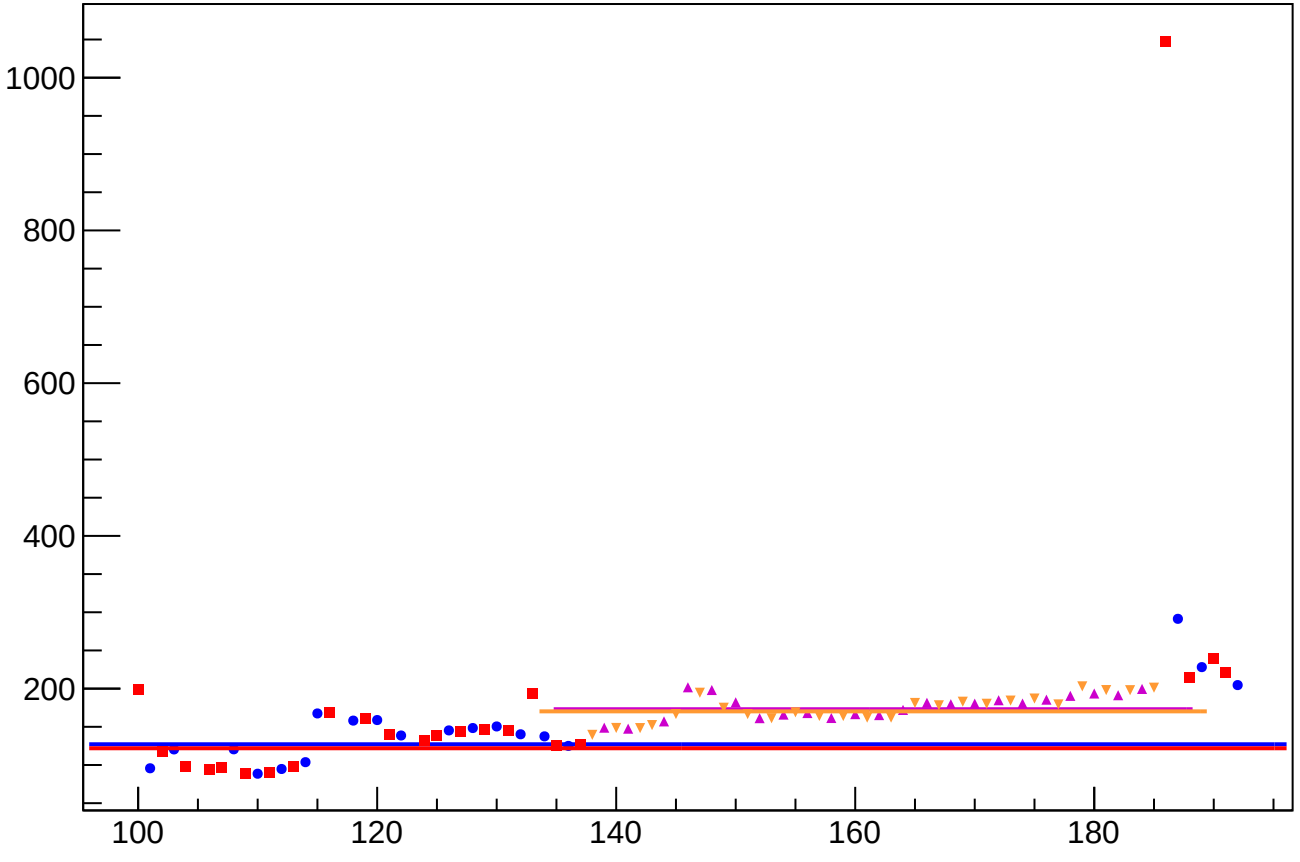
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 161.765+/-29.227 χ^2/NDF: 83.2/43

All: 4.529+/-20.690 χ^2/NDF: 210.6/89

- sign -153.428+/-29.294 χ^2/NDF: 69.4/45

dit_asym_sam6_rms vs Slug



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

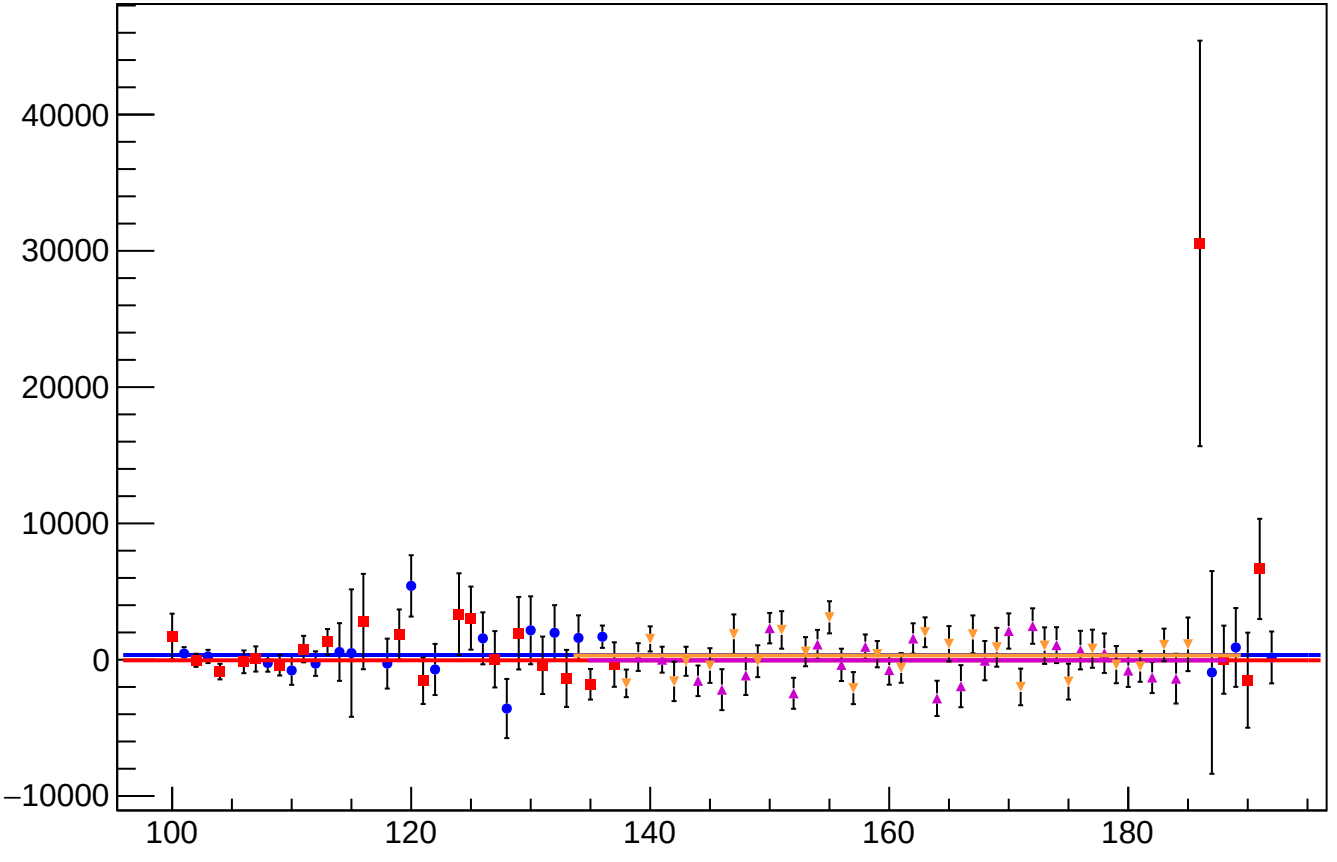
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 151.467+/-0.021 χ^2/NDF: 2609455.4/43

All: 149.991+/-0.015 χ^2/NDF: 6500652.7/89

- sign 148.508+/-0.021 χ^2/NDF: 3880969.2/45

asym_sam6_dit_correction_mean vs Slug



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

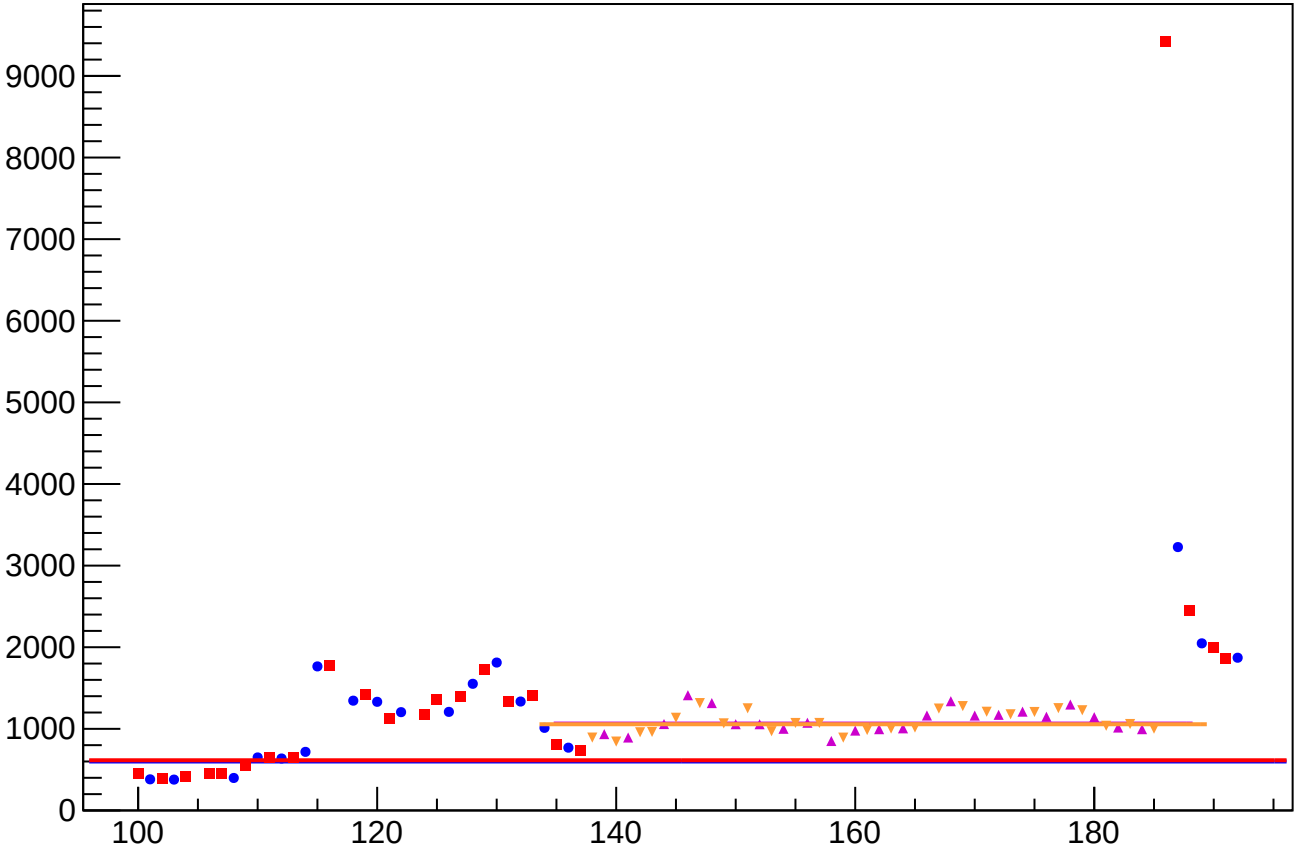
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 329.119+/-170.070 χ^2/NDF: 49.2/43

All: 144.544+/-121.244 χ^2/NDF: 109.0/89

- sign -46.213+/-172.894 χ^2/NDF: 57.4/45

asym_sam6_dit_correction_rms vs Slug



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

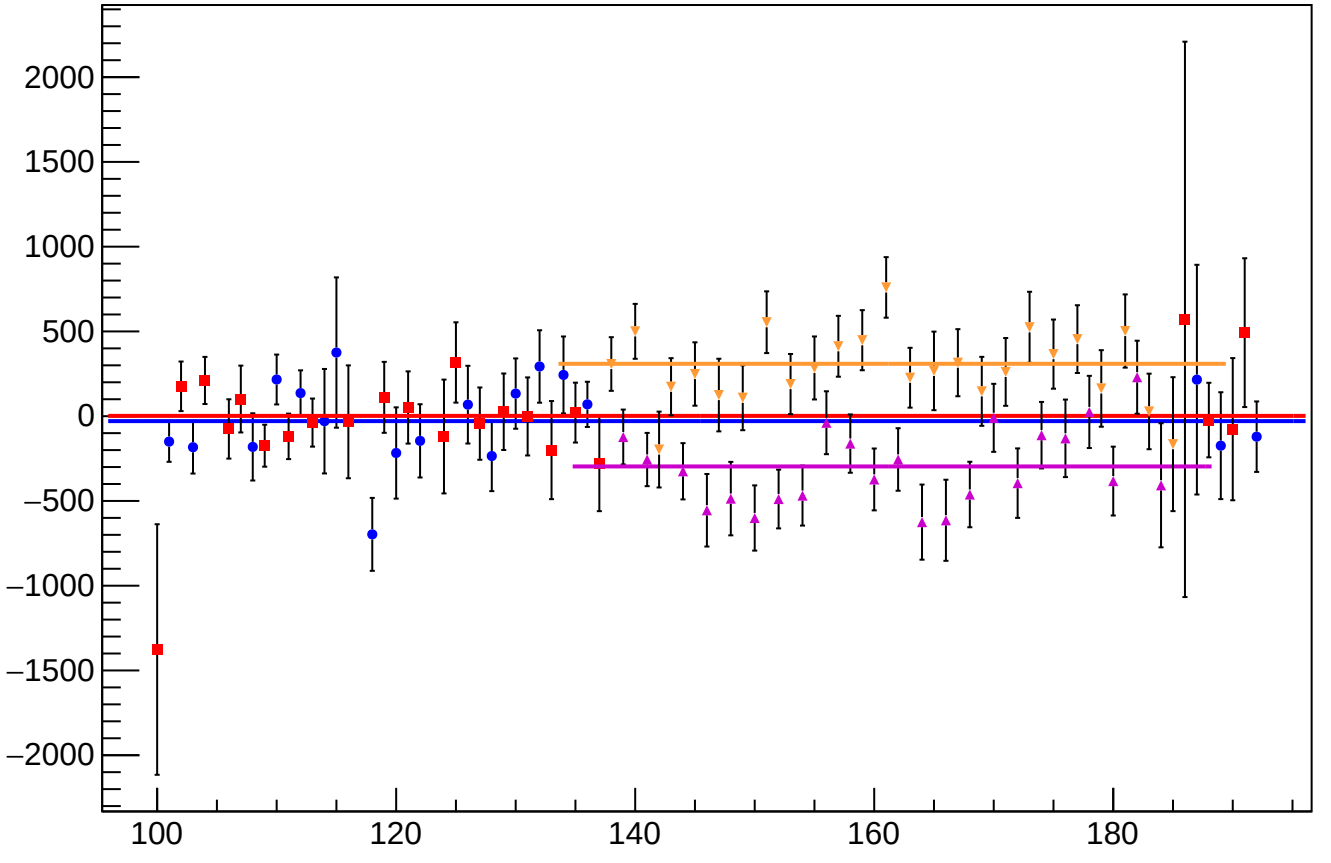
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 824.587+/-0.120 χ^2/NDF: 9323520.8/43

All: 826.219+/-0.086 χ^2/NDF: 18767445.7/89

- sign 827.905+/-0.122 χ^2/NDF: 9443550.5/45

eigen_dit_asym_sam6_mean vs Slug



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

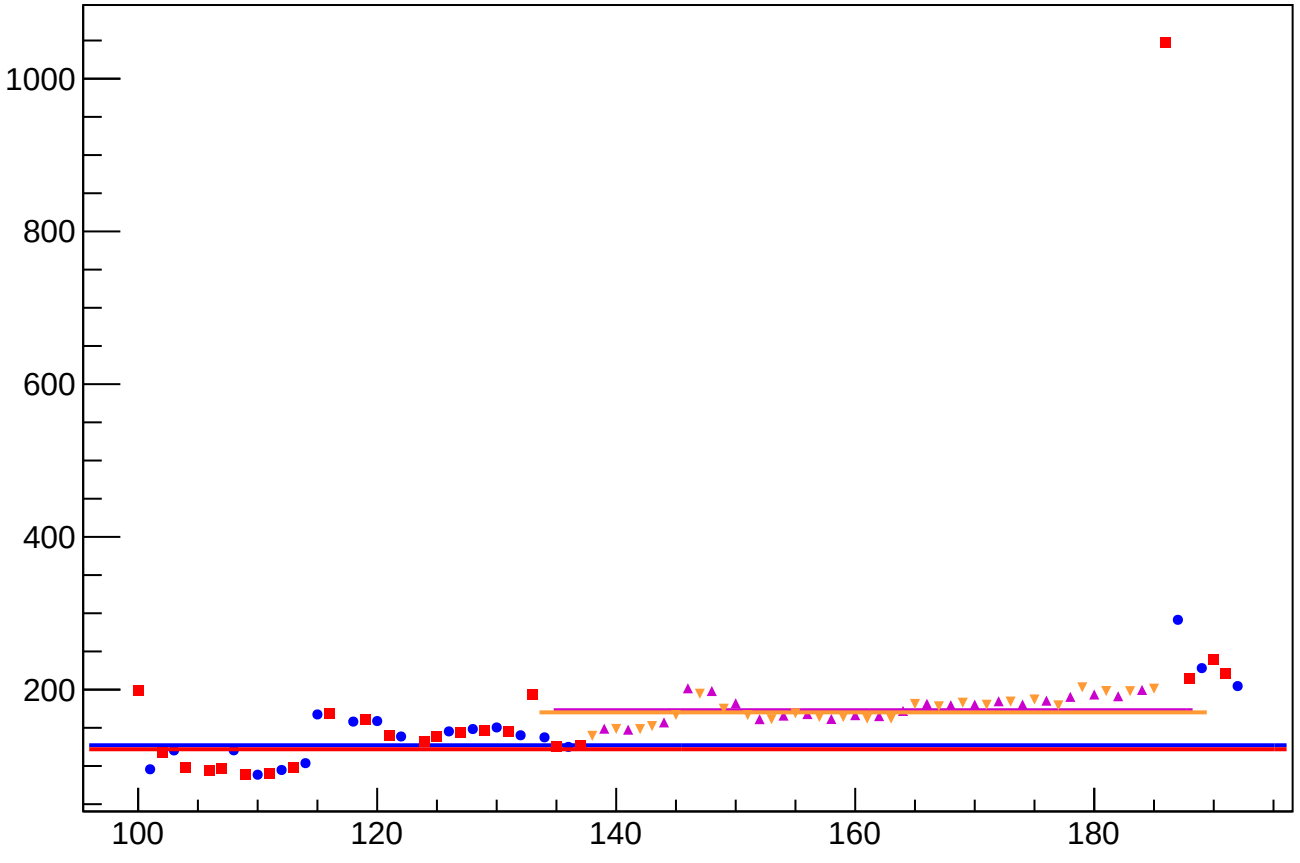
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 161.765+/-29.227 χ^2/NDF: 83.2/43

All: 4.529+/-20.690 χ^2/NDF: 210.6/89

- sign -153.428+/-29.294 χ^2/NDF: 69.4/45

eigen_dit_asym_sam6_rms vs Slug



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

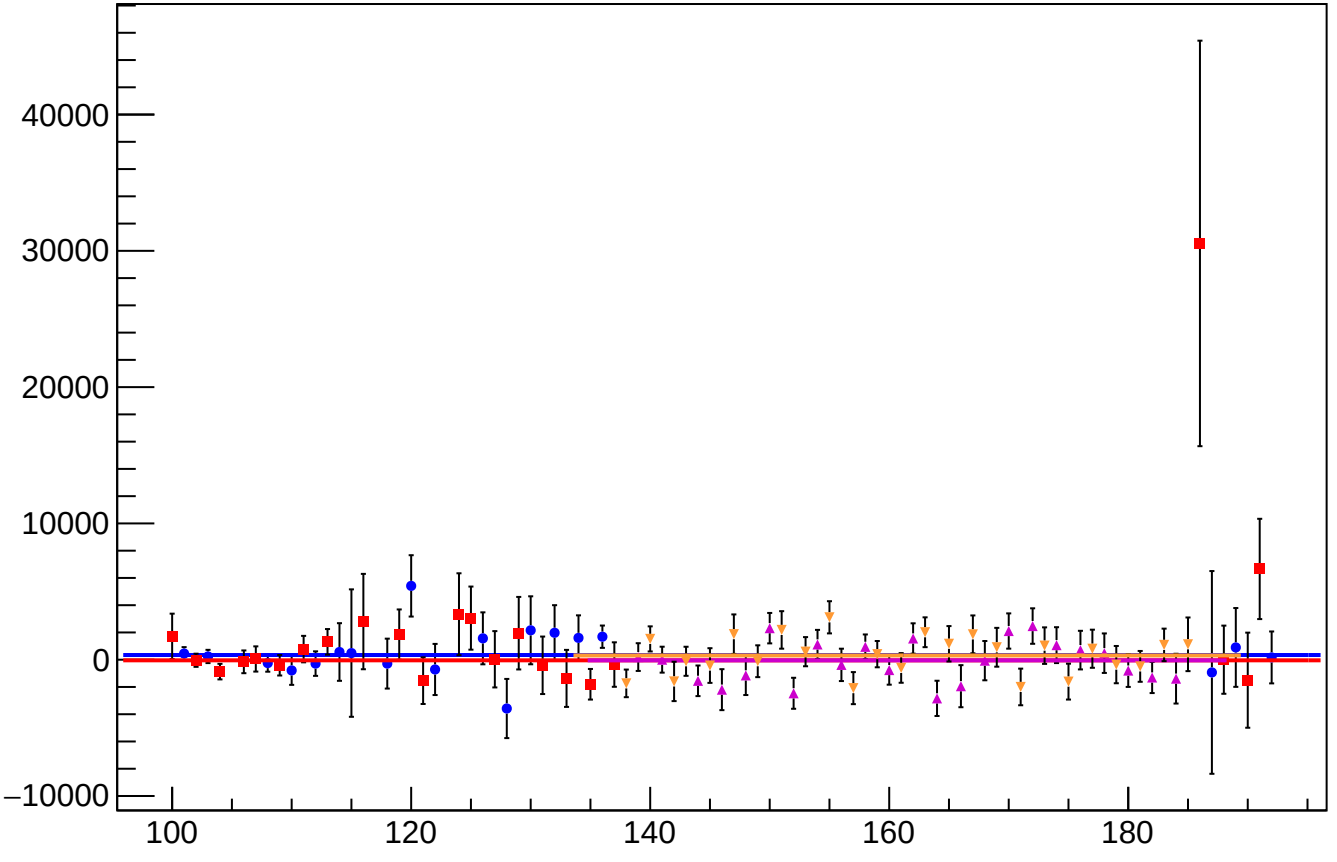
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 151.467+/-0.021 χ^2/NDF: 2609468.7/43

All: 149.990+/-0.015 χ^2/NDF: 6500669.1/89

- sign 148.508+/-0.021 χ^2/NDF: 3880972.5/45

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 344.124+/-238.671 χ^2/NDF: 16.3/18

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -45.298+/-238.281 χ^2/NDF: 23.0/22

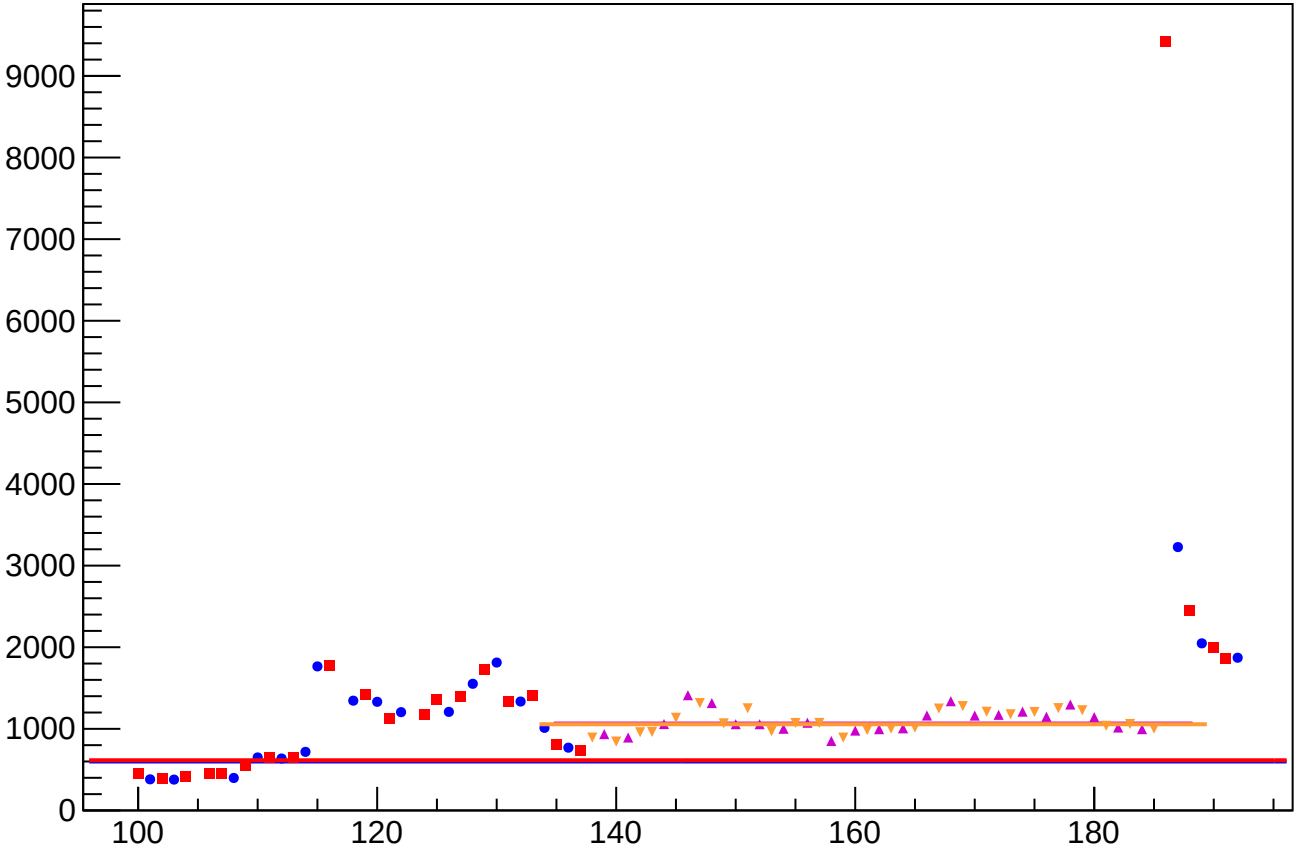
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 329.119+/-170.070 χ^2/NDF: 49.2/43

All: 144.543+/-121.244 χ^2/NDF: 109.0/89

- sign -46.213+/-172.894 χ^2/NDF: 57.4/45

asym_sam6_eigen_dit_correction_rms vs Slug



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

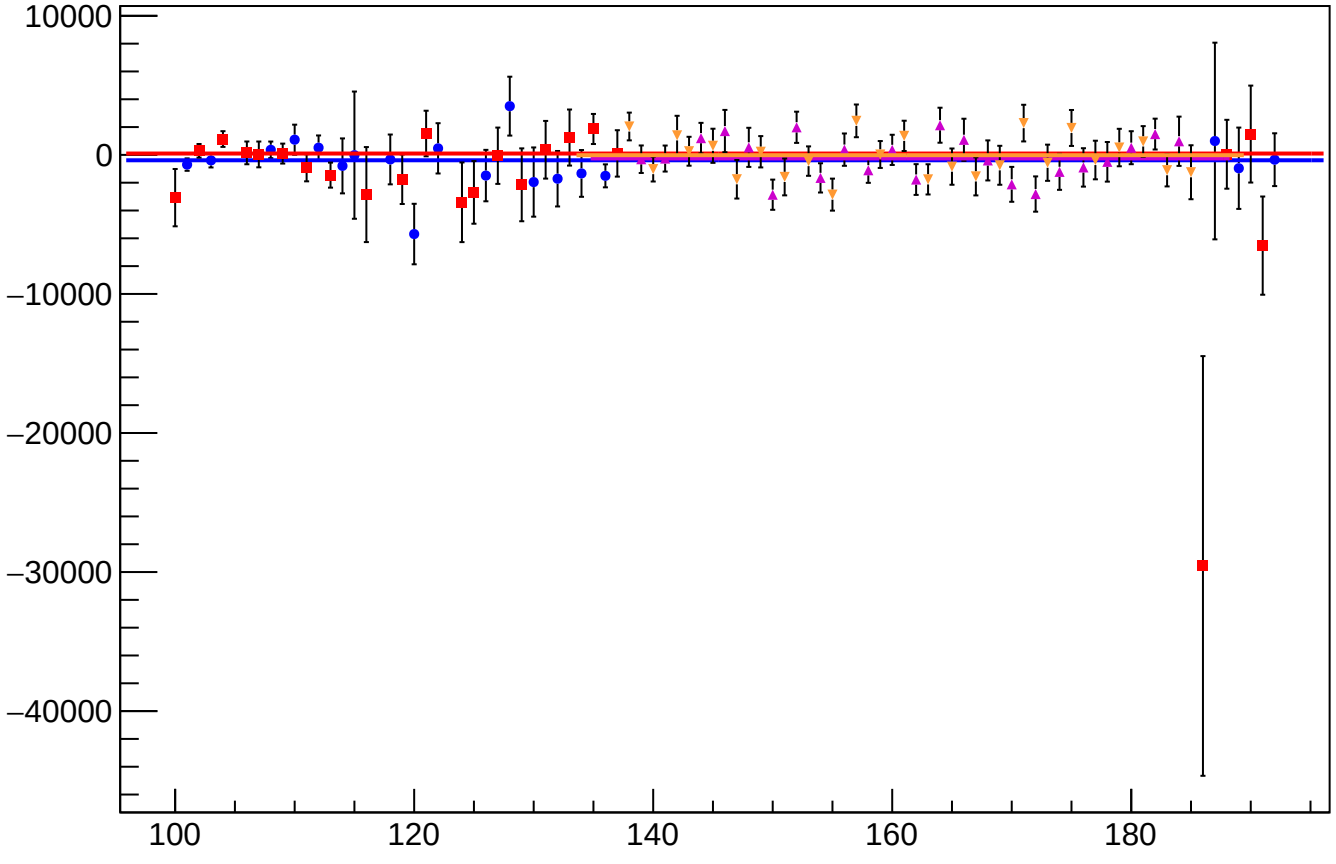
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 824.586+/-0.120 χ^2/NDF: 9323550.3/43

All: 826.218+/-0.086 χ^2/NDF: 18767489.6/89

- sign 827.904+/-0.122 χ^2/NDF: 9443564.8/45

asym_sam6_mean vs Slug



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

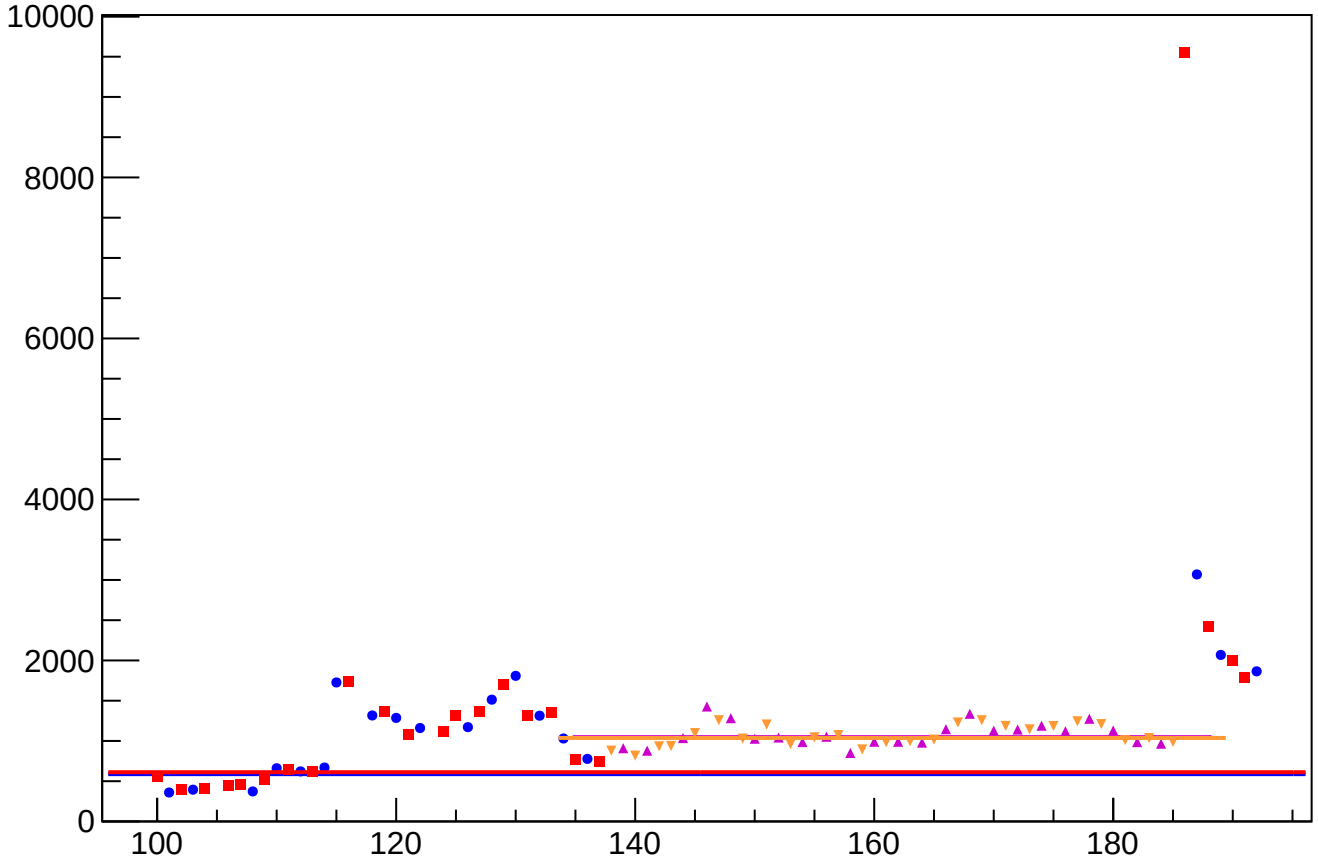
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -207.425+/-167.137 χ^2/NDF: 53.7/43

All: -140.661+/-119.429 χ^2/NDF: 115.6/89

- sign -71.007+/-170.716 χ^2/NDF: 61.6/45

asym_sam6_rms vs Slug



Right In: 587.844+/-0.166 χ^2/NDF: 5183590.1/18

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

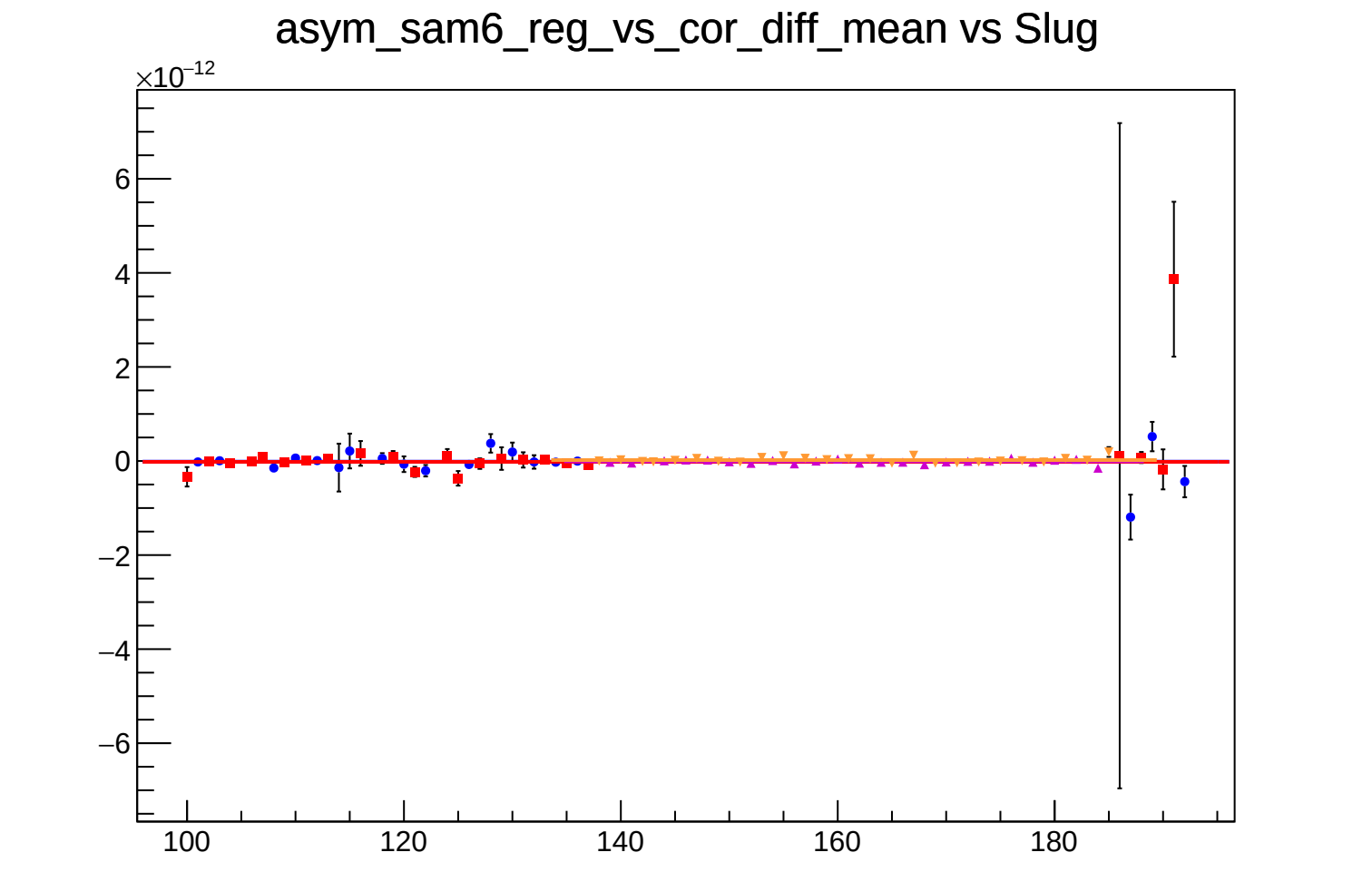
Right Out: 611.798+/-0.167 χ^2/NDF: 5324846.9/22

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 809.565+/-0.118 χ^2/NDF: 9384573.9/43

All: 814.502+/-0.084 χ^2/NDF: 18578203.6/89

- sign 819.653+/-0.121 χ^2/NDF: 9190064.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

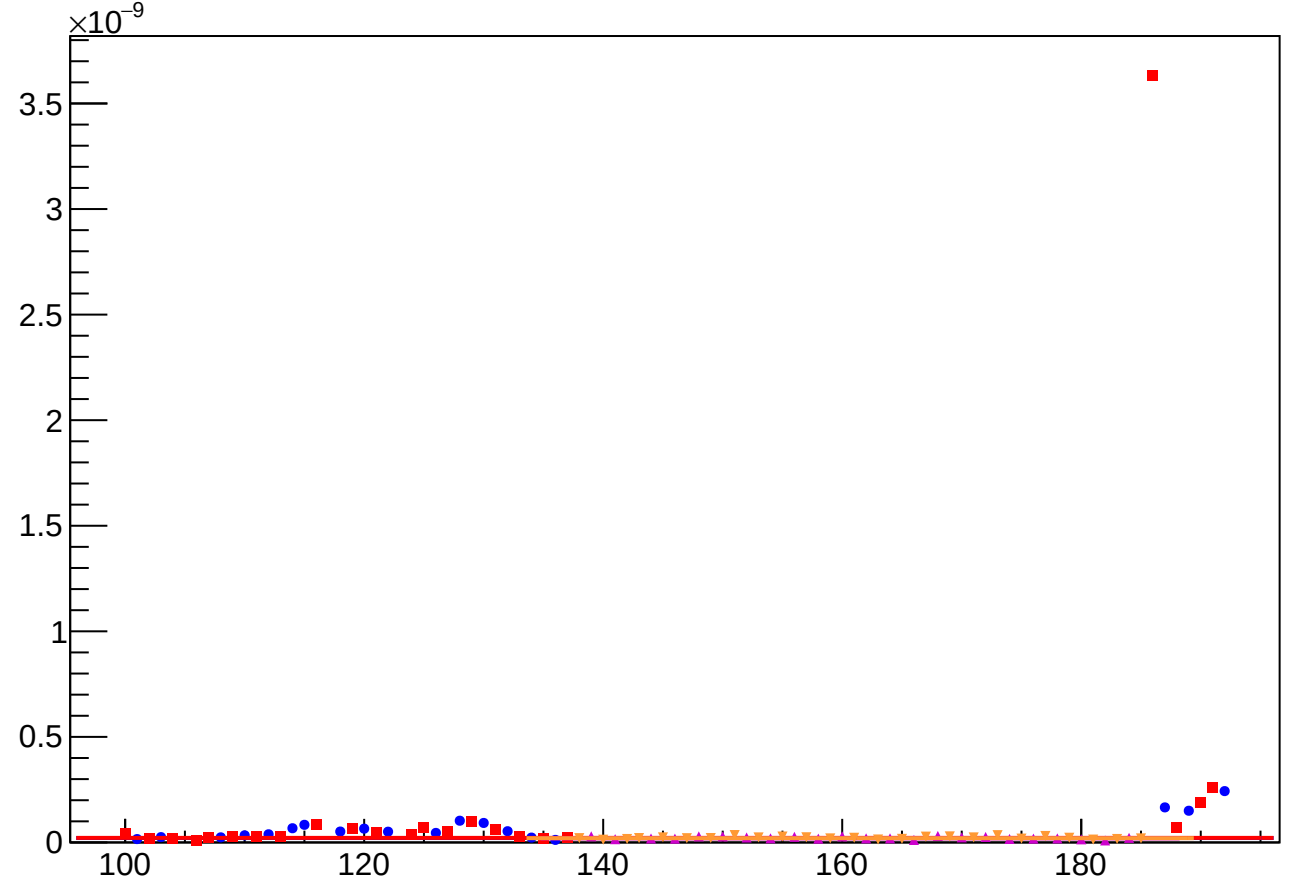
Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/22

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.5/43

All: 0.000+/-0.000 χ^2/NDF: 111.2/89

- sign -0.000+/-0.000 χ^2/NDF: 45.3/45



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

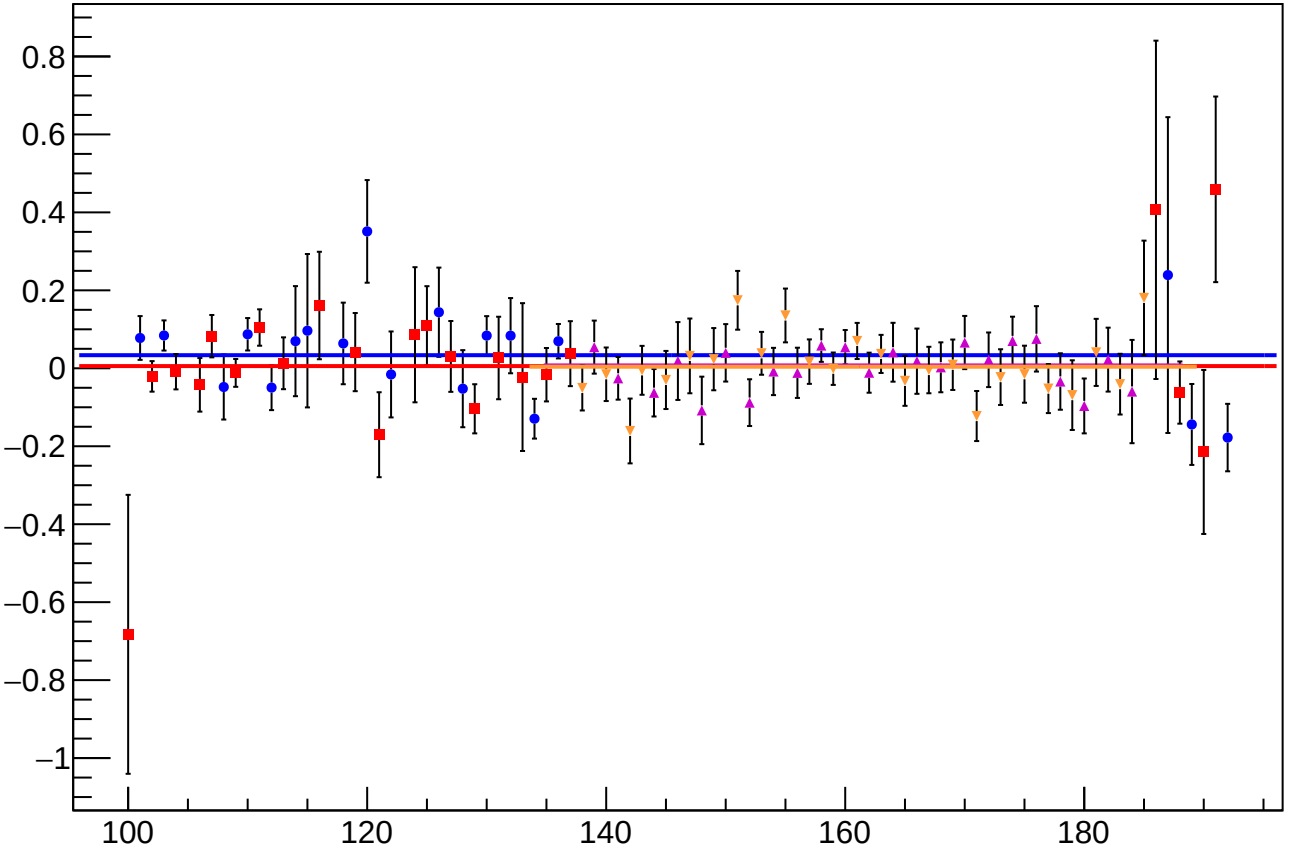
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4424164.8/43

All: 0.000+/-0.000 χ^2/NDF: 8598584.5/89

- sign 0.000+/-0.000 χ^2/NDF: 4167120.7/45

asym_sam6_dit_vs_cor_diff_mean vs Slug



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

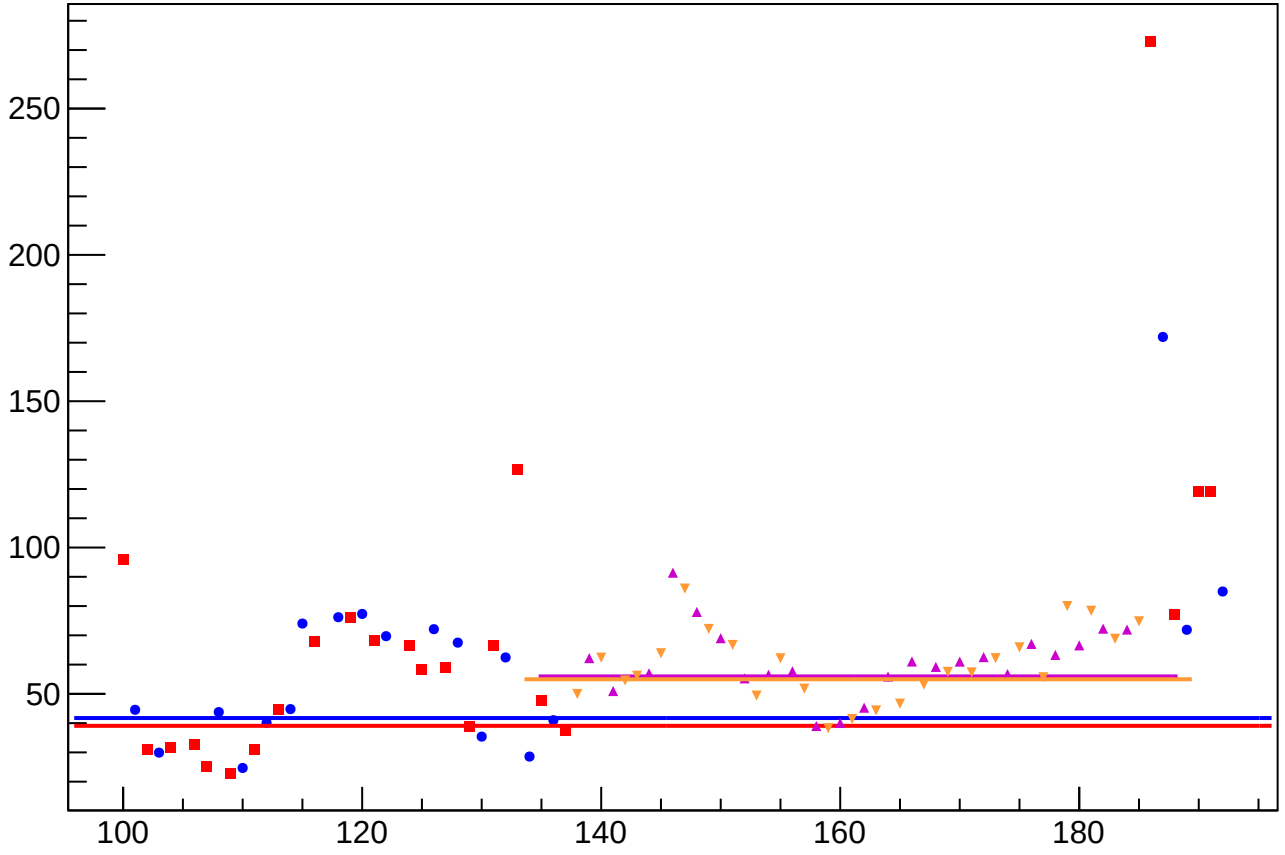
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/43

All: 0.011+/-0.007 χ^2/NDF: 105.2/89

- sign 0.007+/-0.010 χ^2/NDF: 41.5/45

asym_sam6_dit_vs_cor_diff_rms vs Slug



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

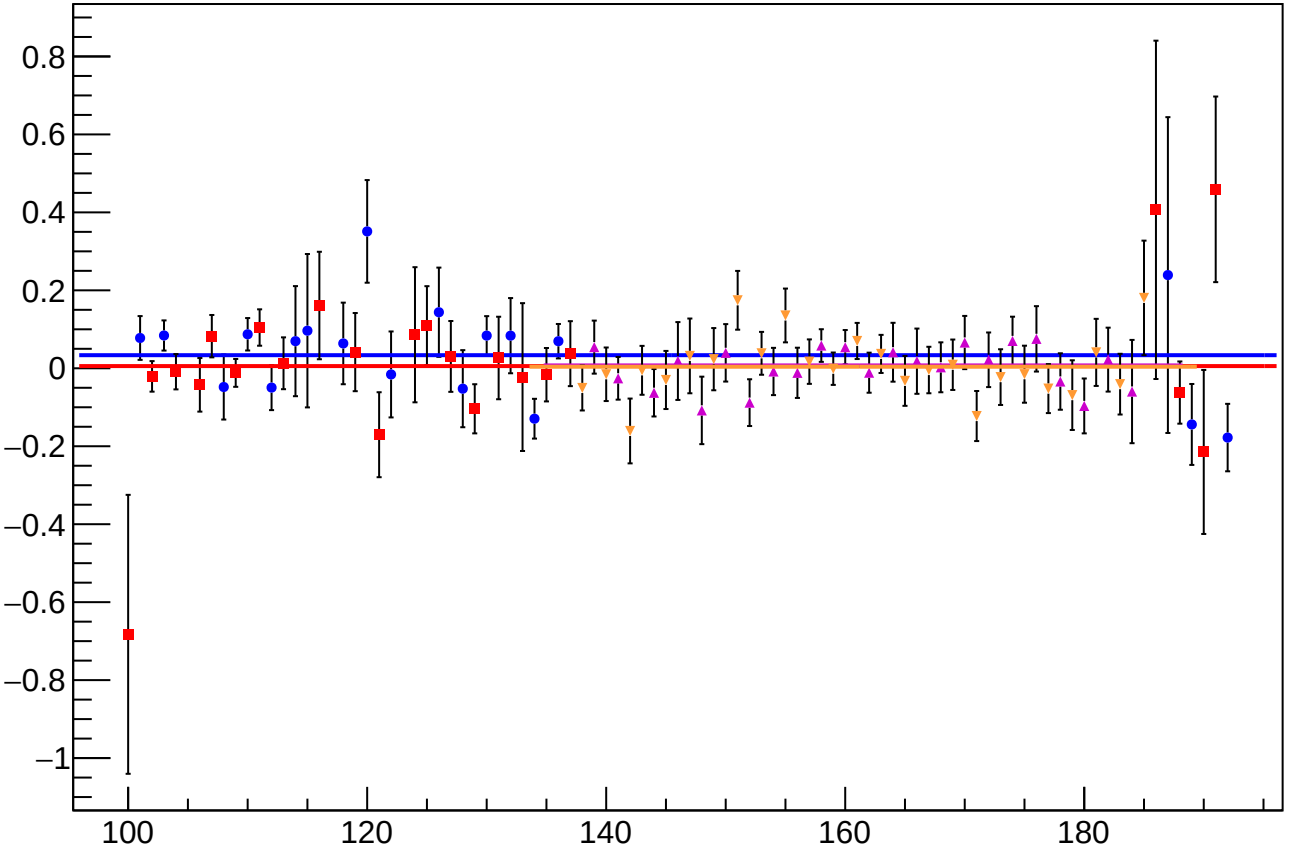
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 49.565+/-0.007 χ^2/NDF: 4909054.2/43

All: 48.915+/-0.005 χ^2/NDF: 11446928.6/89

- sign 48.264+/-0.007 χ^2/NDF: 6520836.4/45

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



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

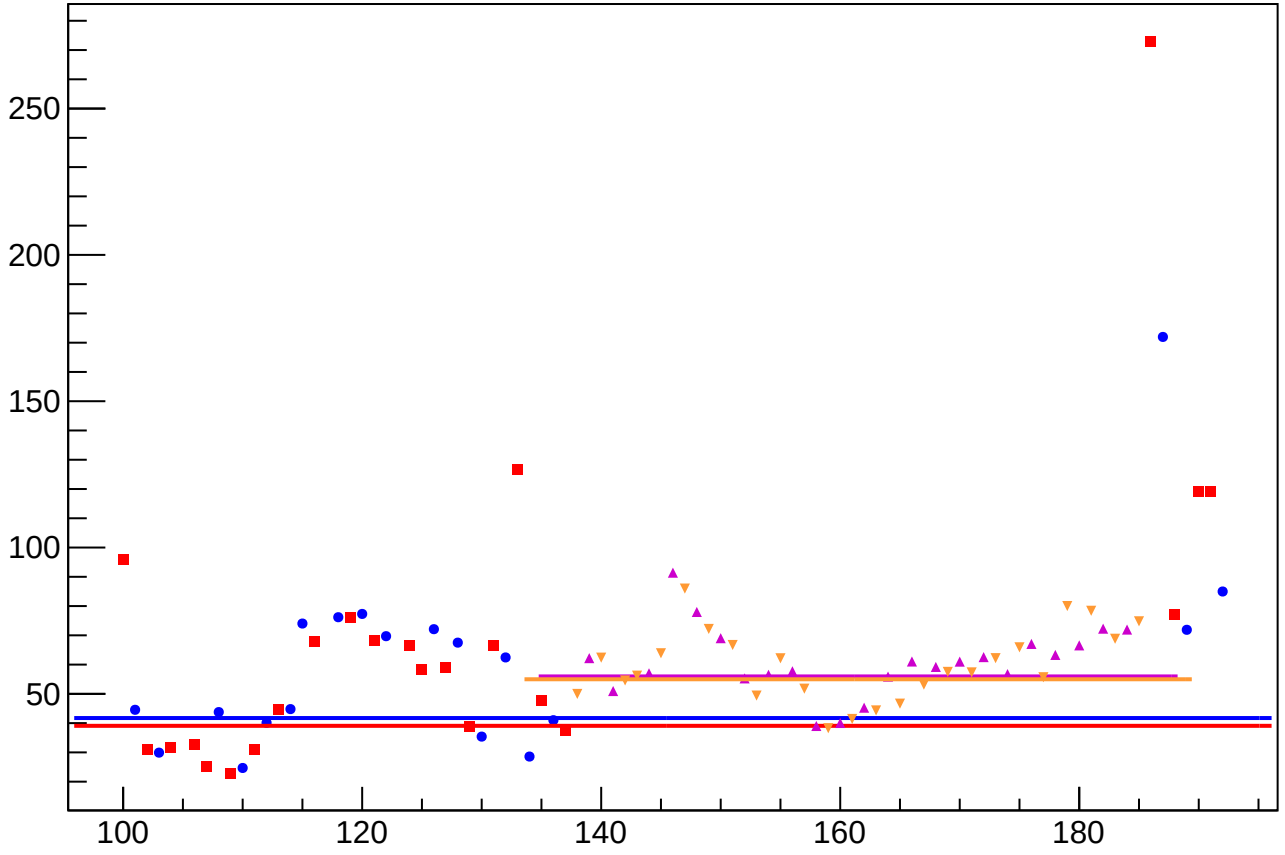
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/43

All: 0.011+/-0.007 χ^2/NDF: 105.2/89

- sign 0.007+/-0.010 χ^2/NDF: 41.5/45

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.738+/-0.011 χ^2/NDF: 2486217.2/18

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

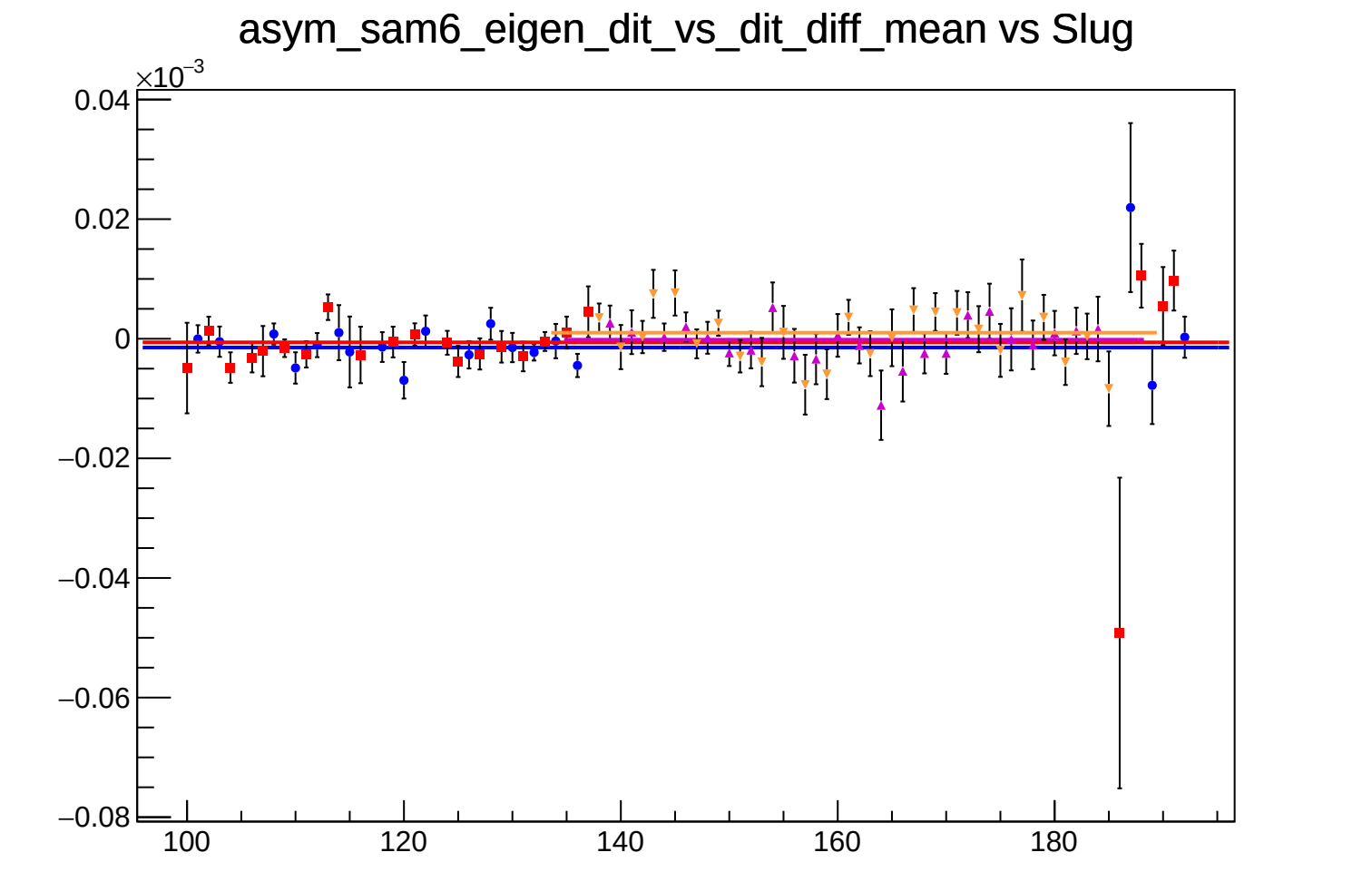
Right Out: 39.078+/-0.010 χ^2/NDF: 3693785.7/22

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 49.565+/-0.007 χ^2/NDF: 4909054.2/43

All: 48.915+/-0.005 χ^2/NDF: 11446928.6/89

- sign 48.264+/-0.007 χ^2/NDF: 6520836.4/45



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

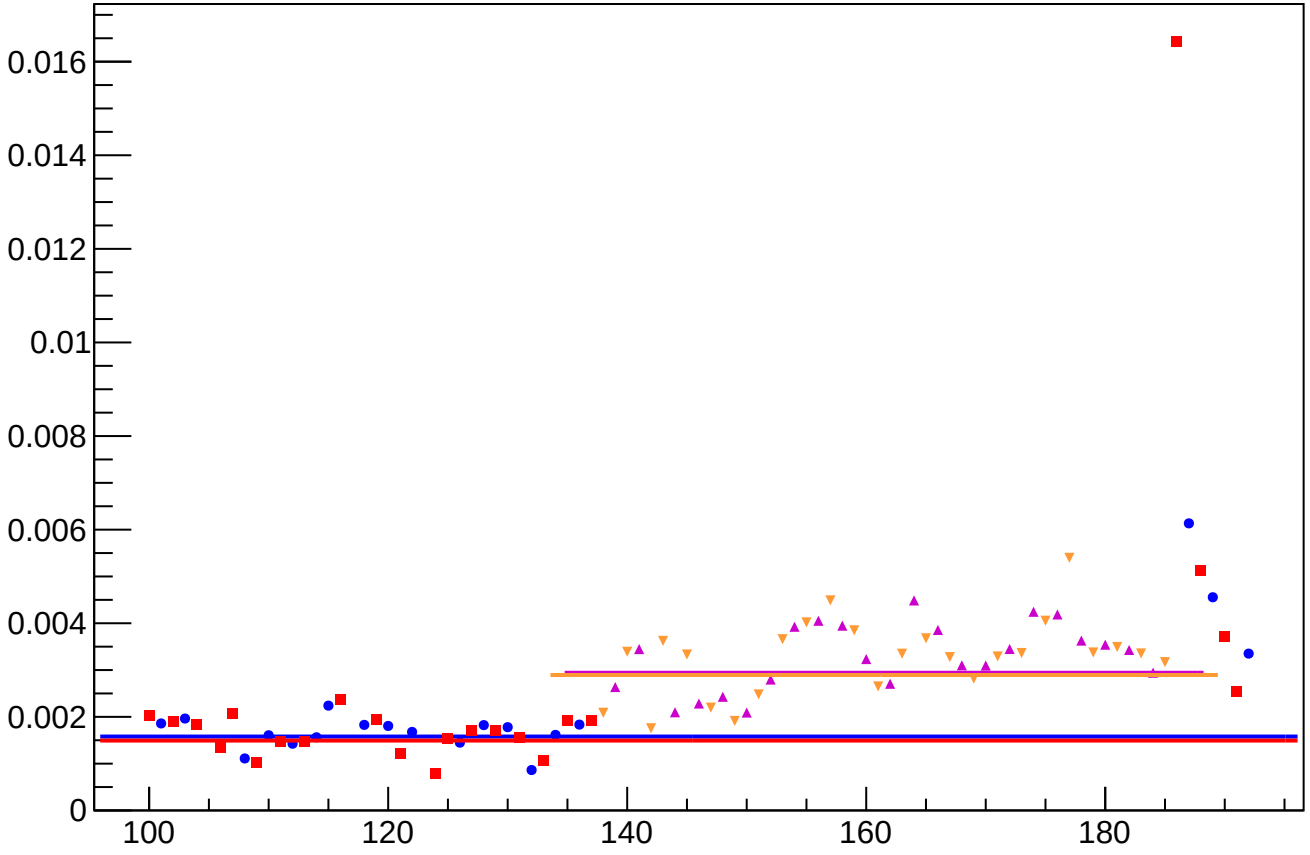
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.1/43

All: -0.000+/-0.000 χ^2/NDF: 100.7/89

- sign -0.000+/-0.000 χ^2/NDF: 46.6/45

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 2067196.9/18

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

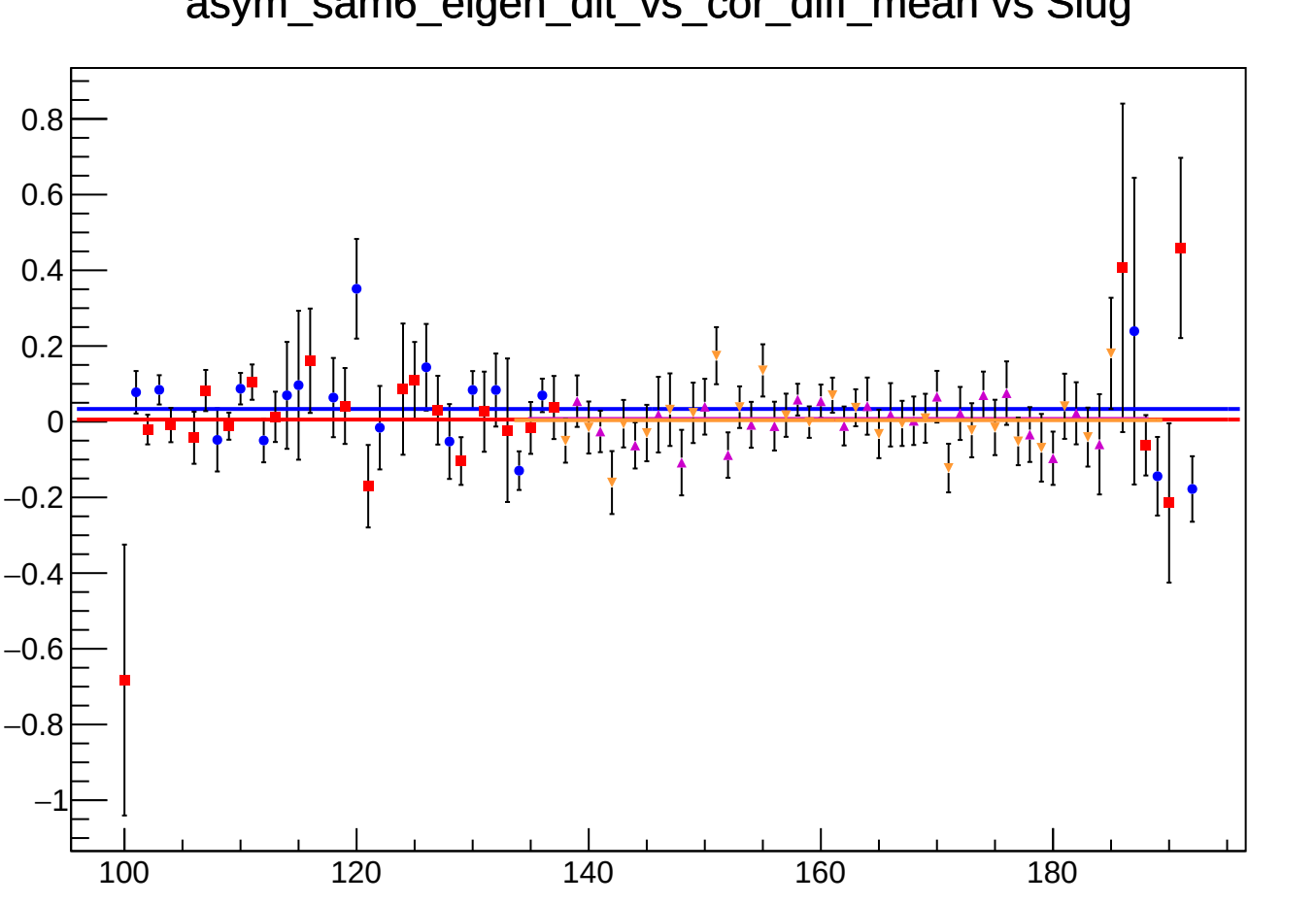
Right Out: 0.001+/-0.000 χ^2/NDF: 2947056.9/22

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 9057303.3/43

All: 0.002+/-0.000 χ^2/NDF: 19252787.6/89

- sign 0.002+/-0.000 χ^2/NDF: 10144641.8/45



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

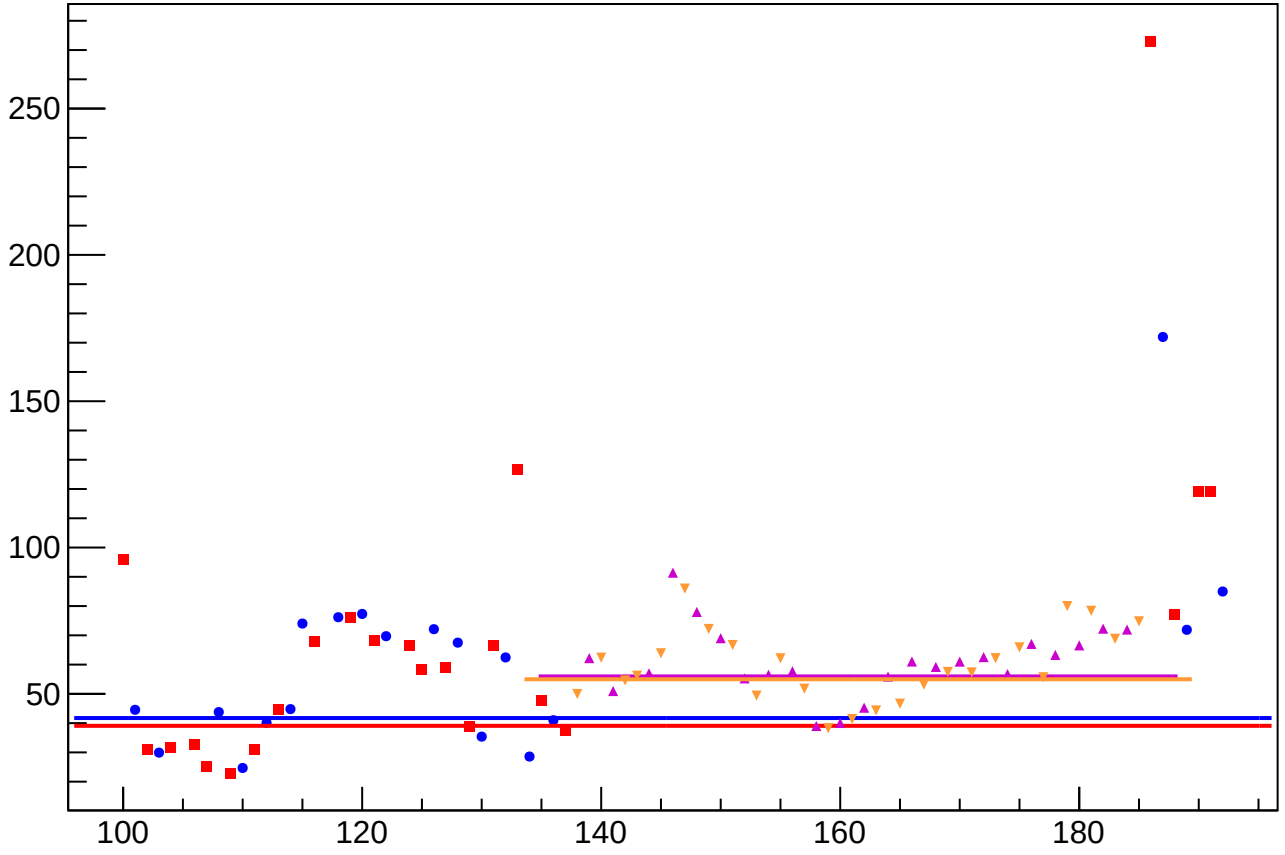
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/43

All: 0.011+/-0.007 χ^2/NDF: 105.2/89

- sign 0.007+/-0.010 χ^2/NDF: 41.5/45

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.738+/-0.011 χ^2/NDF: 2486253.4/18

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

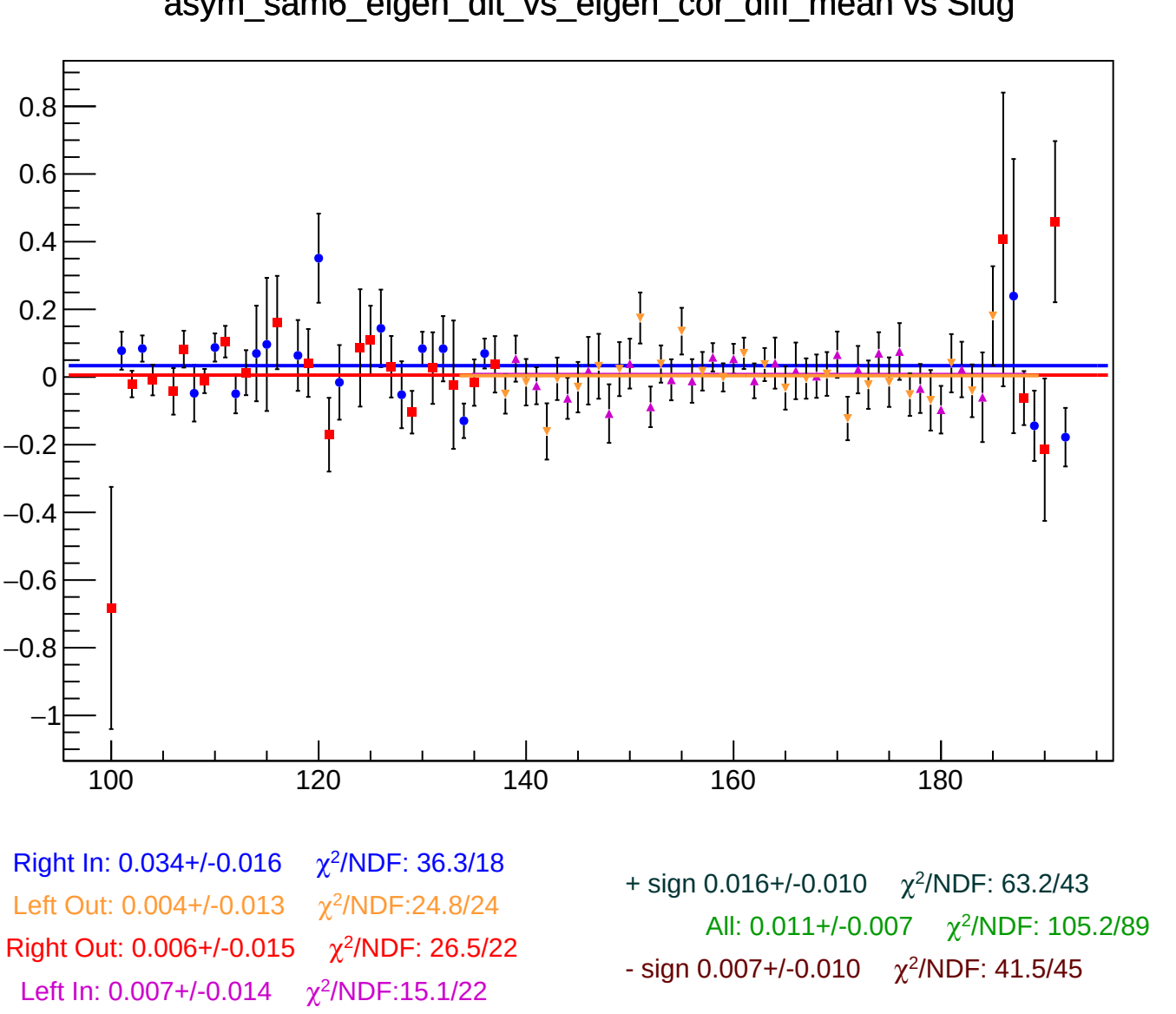
Right Out: 39.077+/-0.010 χ^2/NDF: 3693746.9/22

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

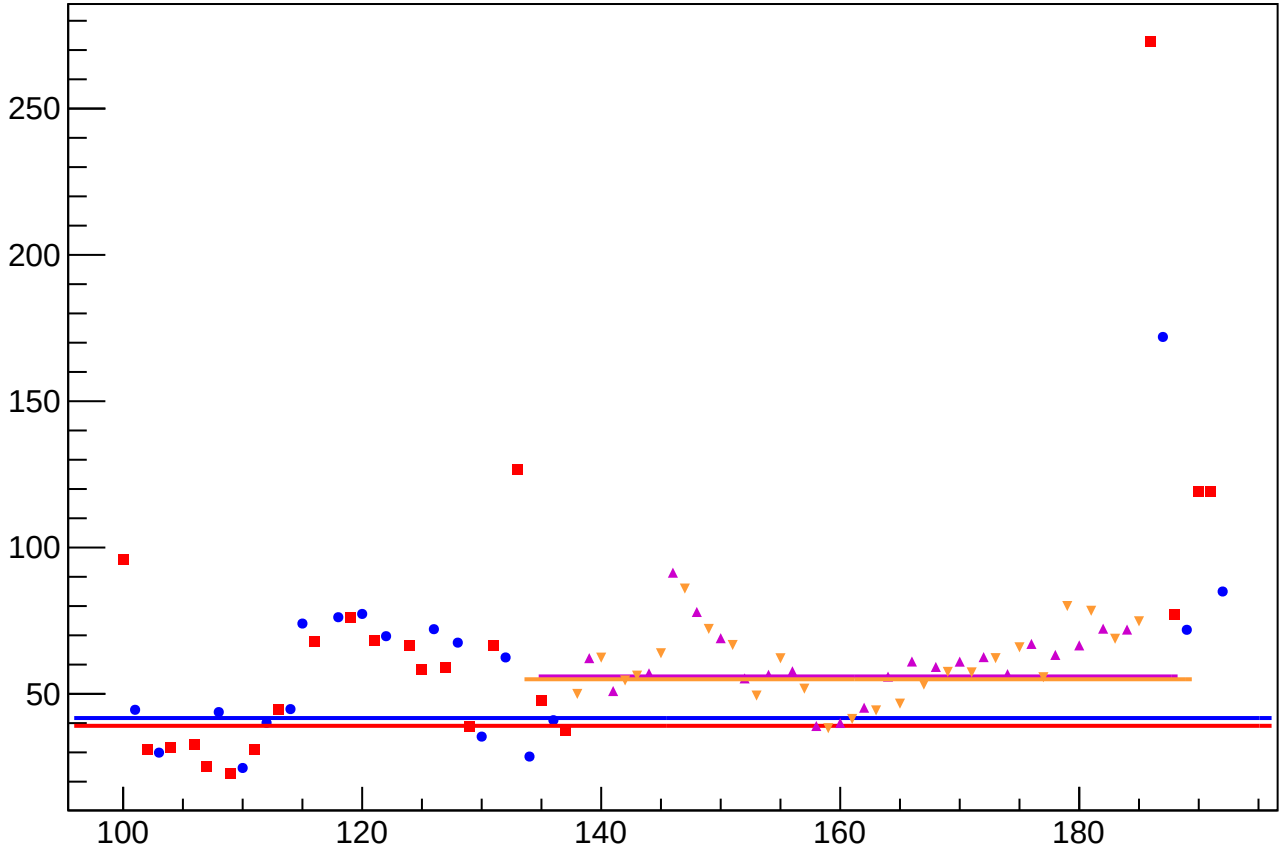
+ sign 49.564+/-0.007 χ^2/NDF: 4909177.3/43

All: 48.914+/-0.005 χ^2/NDF: 11447066.1/89

- sign 48.263+/-0.007 χ^2/NDF: 6520852.9/45


asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
120
140
160
180
Right In: 0.034+/-0.016 χ²/NDF: 36.3/18
Left Out: 0.004+/-0.013 χ²/NDF:24.8/24
Right Out: 0.006+/-0.015 χ²/NDF: 26.5/22
Left In: 0.007+/-0.014 χ²/NDF:15.1/22
+ sign 0.016+/-0.010 χ²/NDF: 63.2/43
All: 0.011+/-0.007 χ²/NDF: 105.2/89
- sign 0.007+/-0.010 χ²/NDF: 41.5/45

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.738+/-0.011 χ^2/NDF: 2486253.4/18

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

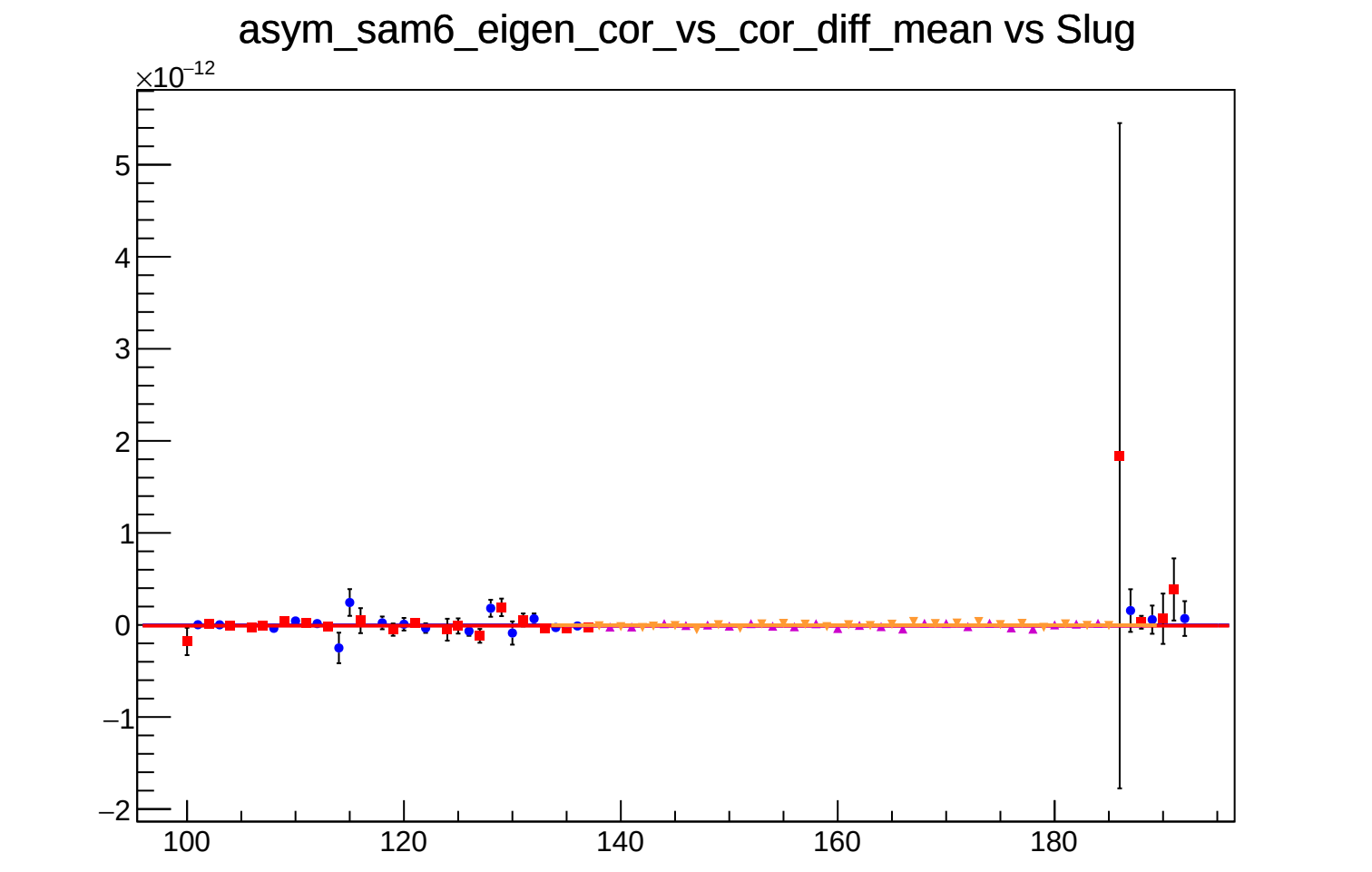
Right Out: 39.077+/-0.010 χ^2/NDF: 3693746.9/22

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

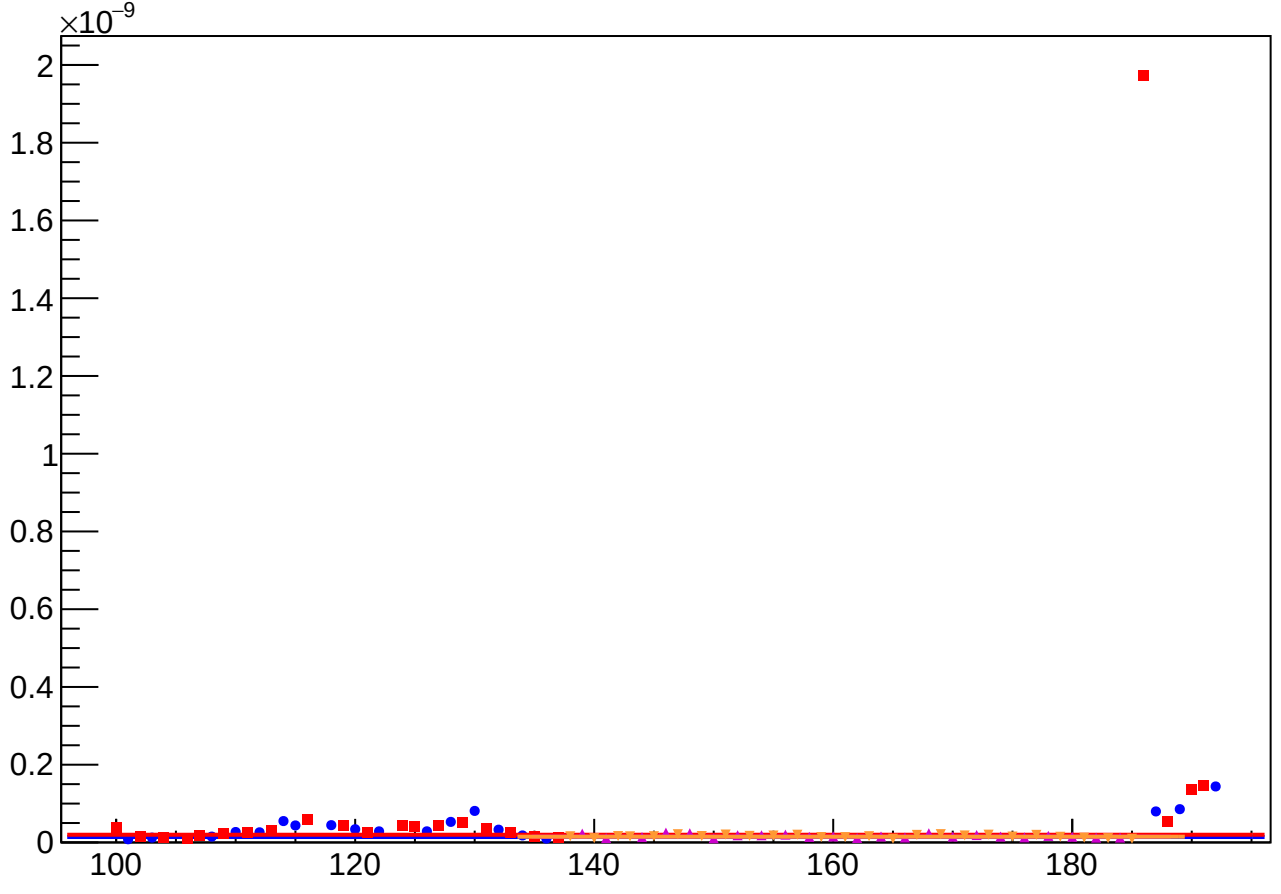
+ sign 49.564+/-0.007 χ^2/NDF: 4909177.3/43

All: 48.914+/-0.005 χ^2/NDF: 11447066.1/89

- sign 48.263+/-0.007 χ^2/NDF: 6520852.9/45


asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 17.4/18
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 17.8/22
Left In: -0.000+/-0.000 χ²/NDF:21.9/22
+ sign -0.000+/-0.000 χ²/NDF: 36.7/43
All: -0.000+/-0.000 χ²/NDF: 77.1/89
- sign -0.000+/-0.000 χ²/NDF: 39.7/45

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4738200.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3779343.4/22

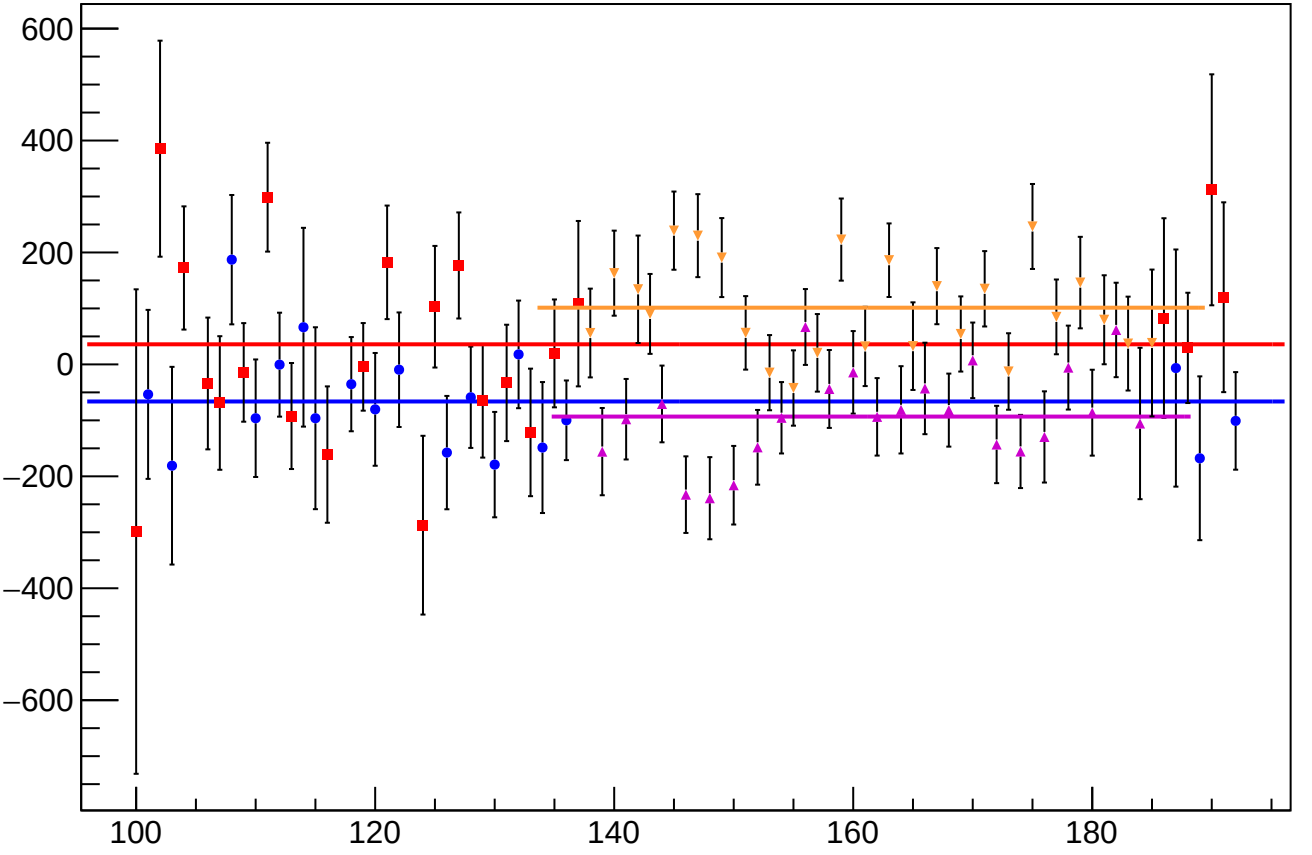
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6158282.0/43

All: 0.000+/-0.000 χ^2/NDF: 11961219.9/89

- sign 0.000+/-0.000 χ^2/NDF: 5692009.5/45

reg_asym_sam7_mean vs Slug



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

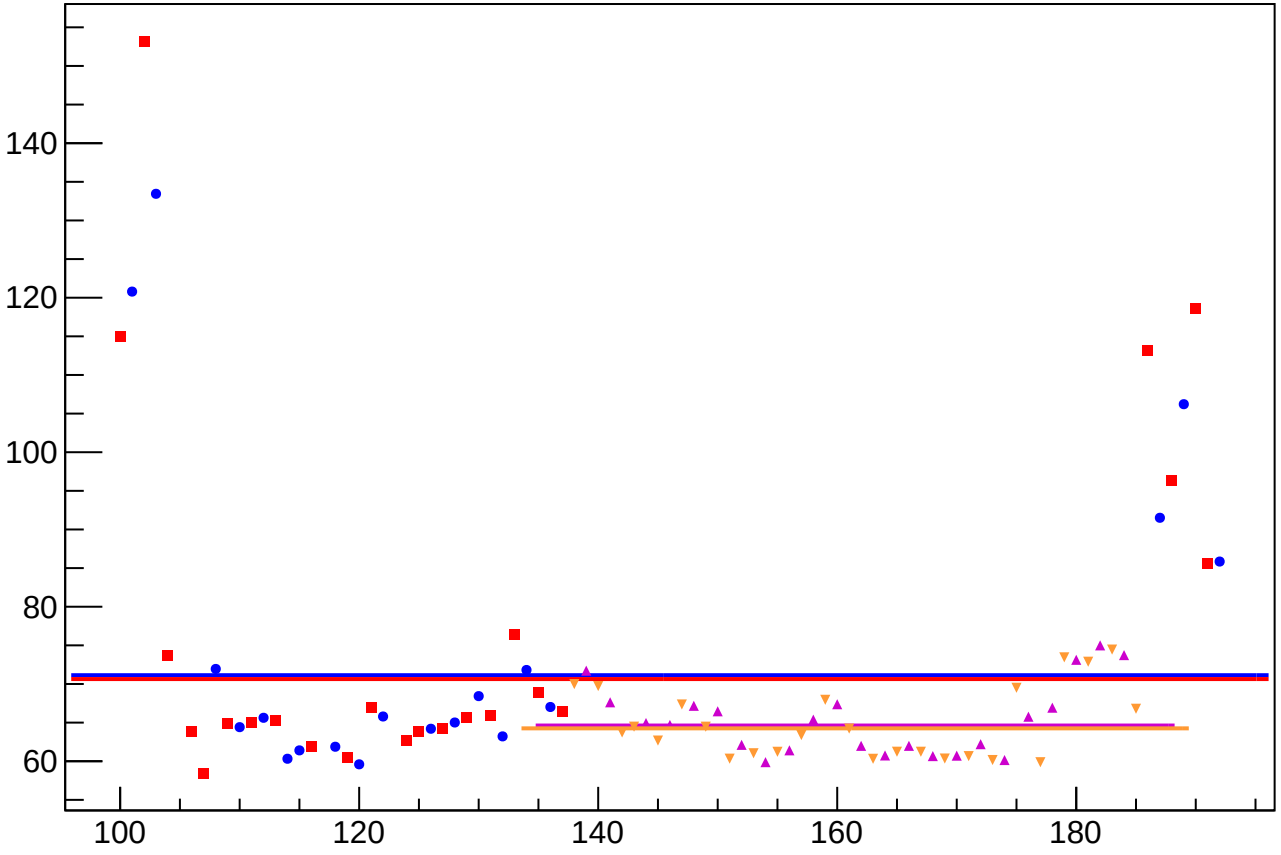
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 57.072+/-12.561 χ^2/NDF: 79.8/43

All: 1.496+/-8.951 χ^2/NDF: 202.9/89

- sign -55.838+/-12.758 χ^2/NDF: 83.3/45

reg_asym_sam7_rms vs Slug



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

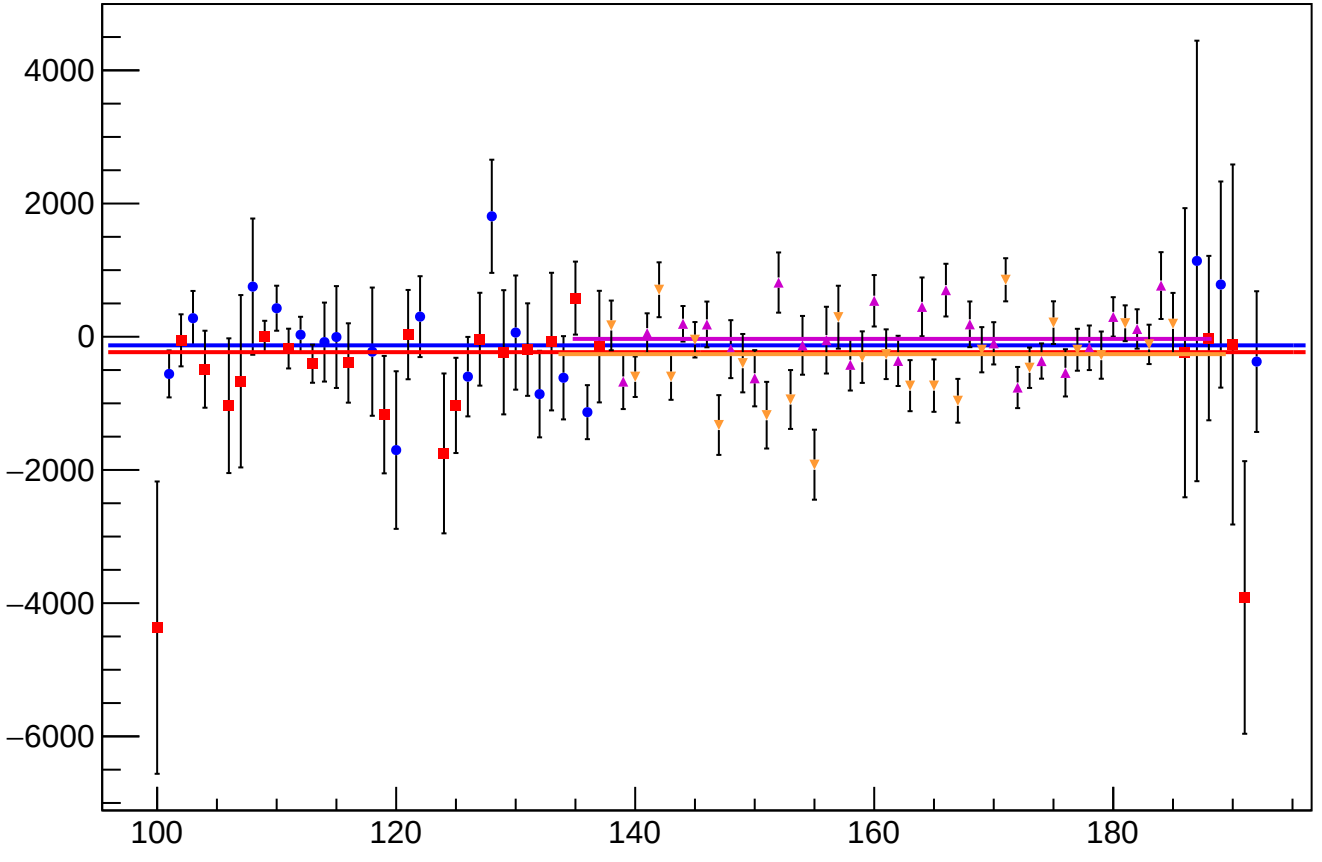
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 66.073+/-0.009 χ^2/NDF: 1076281.1/43

All: 66.216+/-0.006 χ^2/NDF: 2211037.6/89

- sign 66.363+/-0.009 χ^2/NDF: 1134229.8/45

asym_sam7_reg_correction_mean vs Slug



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

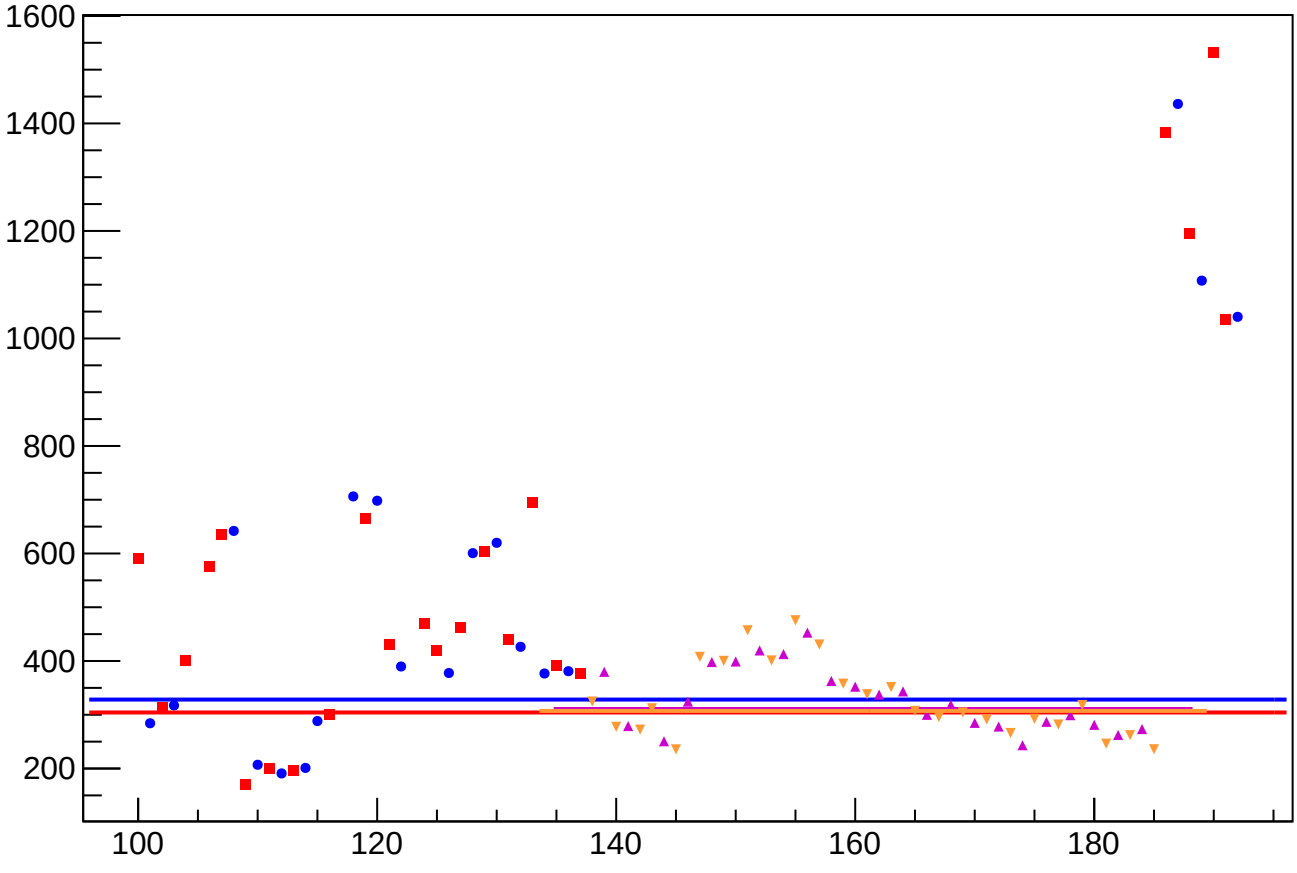
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -228.567+/-61.854 χ^2/NDF: 82.7/43

All: -159.532+/-43.932 χ^2/NDF: 134.8/89

- sign -89.253+/-62.409 χ^2/NDF: 49.6/45

asym_sam7_reg_correction_rms vs Slug



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

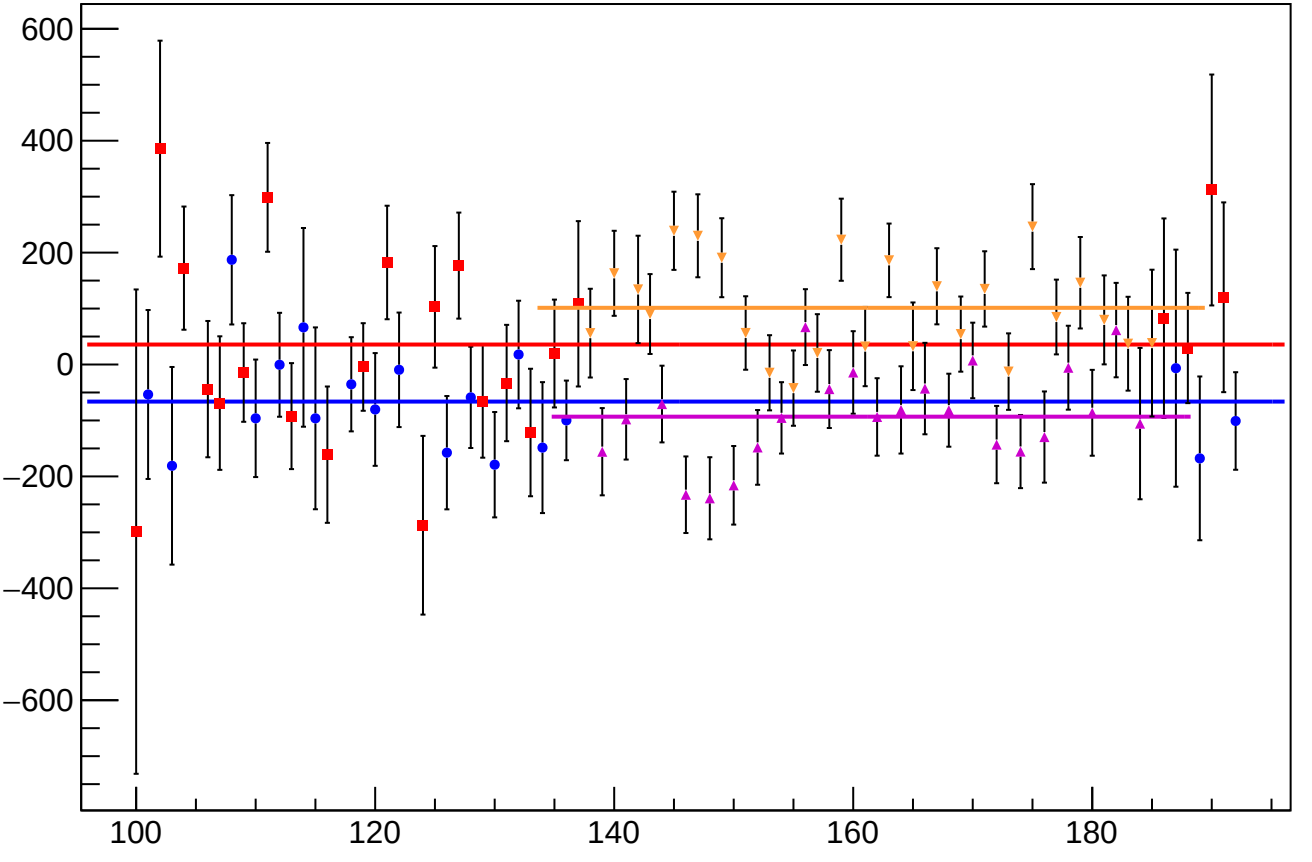
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 312.354+/-0.044 χ^2/NDF: 5163359.9/43

All: 310.619+/-0.031 χ^2/NDF: 11204525.5/89

- sign 308.852+/-0.044 χ^2/NDF: 6037989.2/45

cor_asym_sam7_mean vs Slug



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

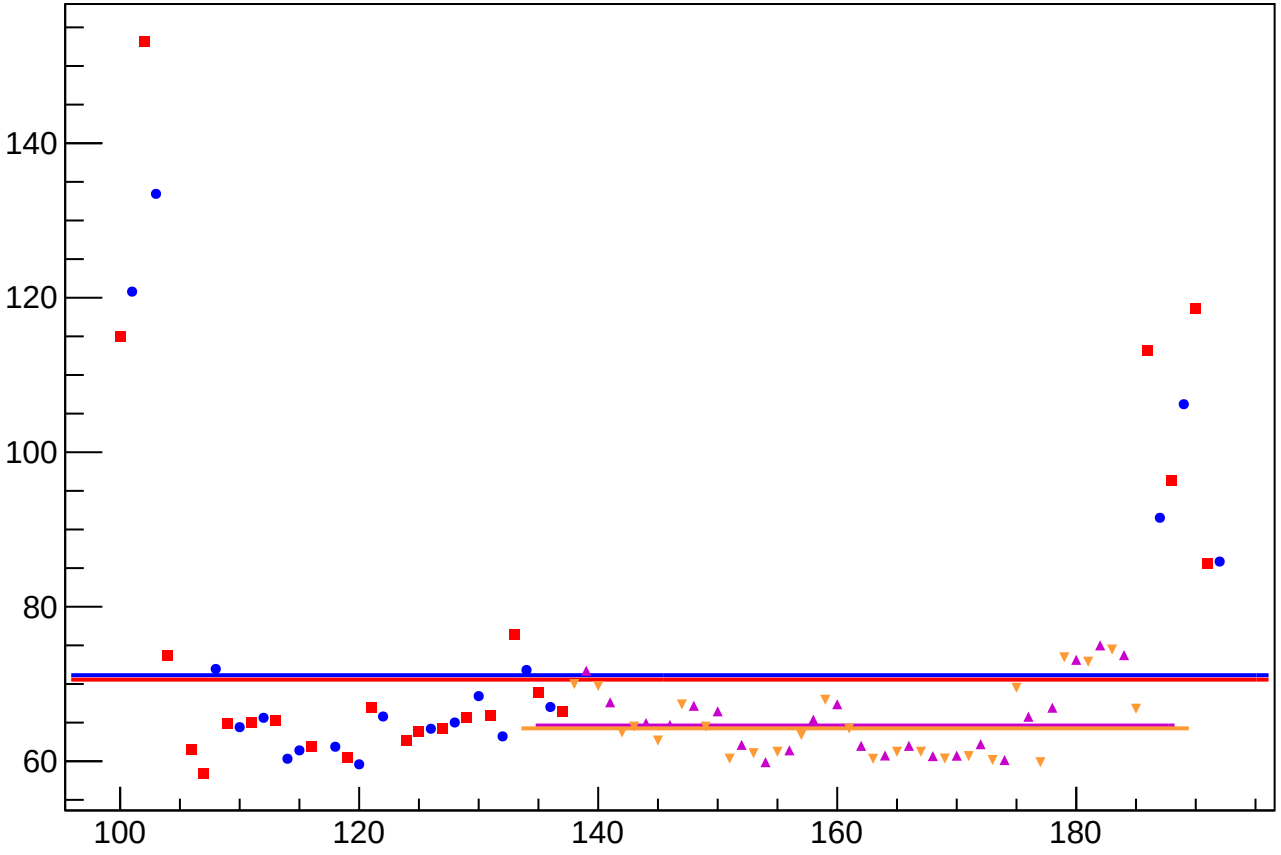
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 57.072+/-12.561 χ^2/NDF: 79.8/43

All: 1.457+/-8.952 χ^2/NDF: 202.9/89

- sign -55.963+/-12.763 χ^2/NDF: 83.3/45

cor_asym_sam7_rms vs Slug



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

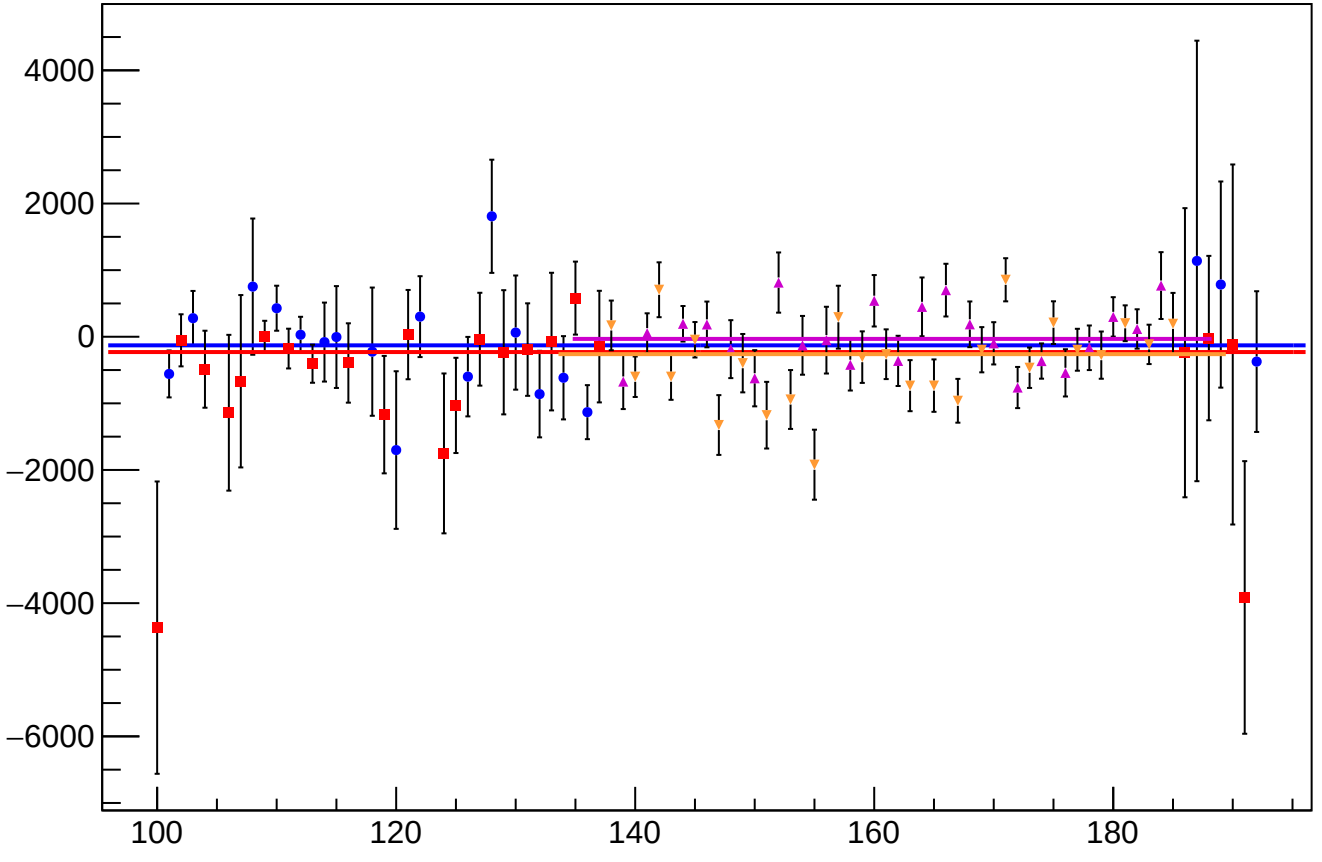
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 66.073+/-0.009 χ^2/NDF: 1076281.4/43

All: 66.204+/-0.006 χ^2/NDF: 2213224.6/89

- sign 66.339+/-0.009 χ^2/NDF: 1136500.1/45

asym_sam7_cor_correction_mean vs Slug



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

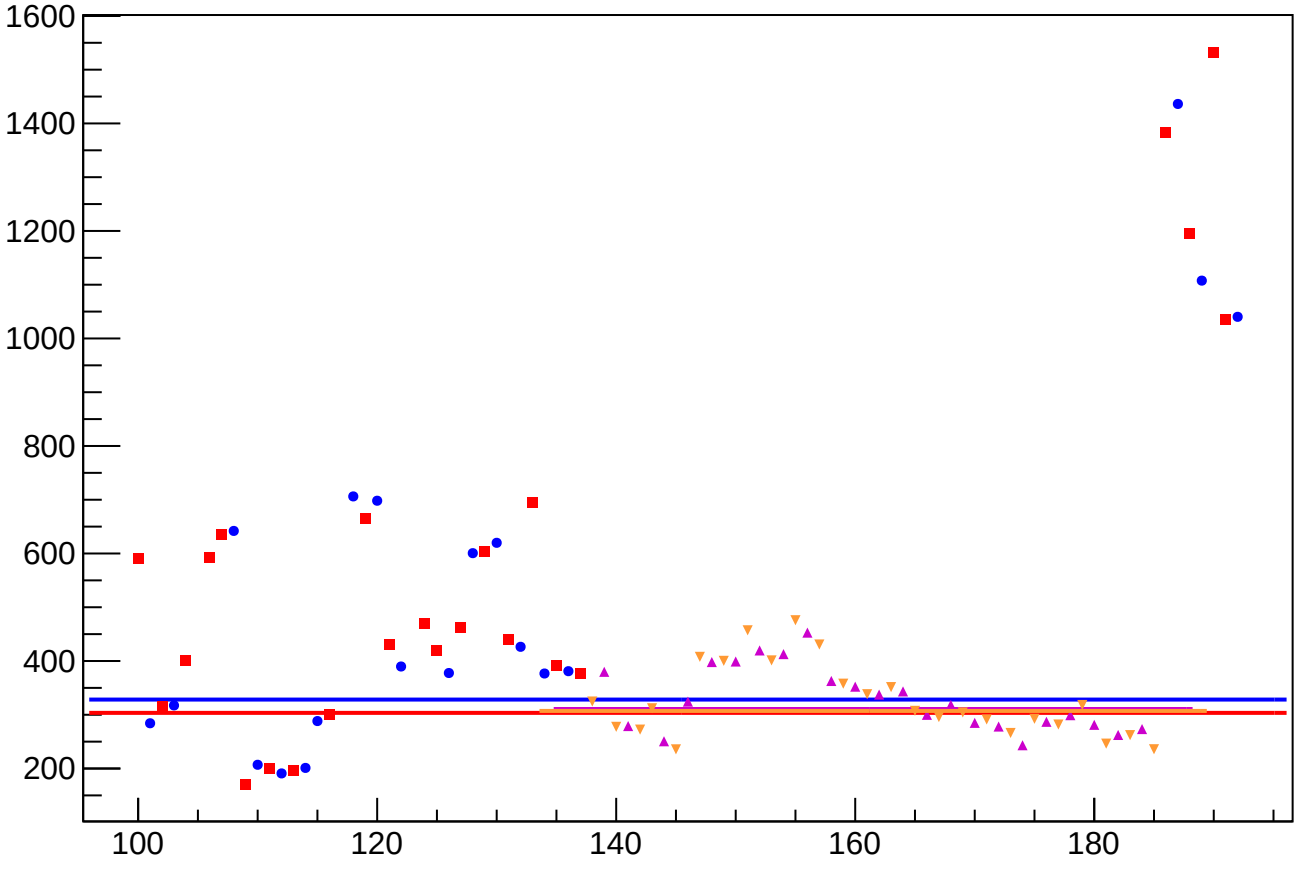
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -228.568+/-61.854 χ^2/NDF: 82.7/43

All: -159.263+/-43.943 χ^2/NDF: 134.8/89

- sign -88.642+/-62.439 χ^2/NDF: 49.6/45

asym_sam7_cor_correction_rms vs Slug



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

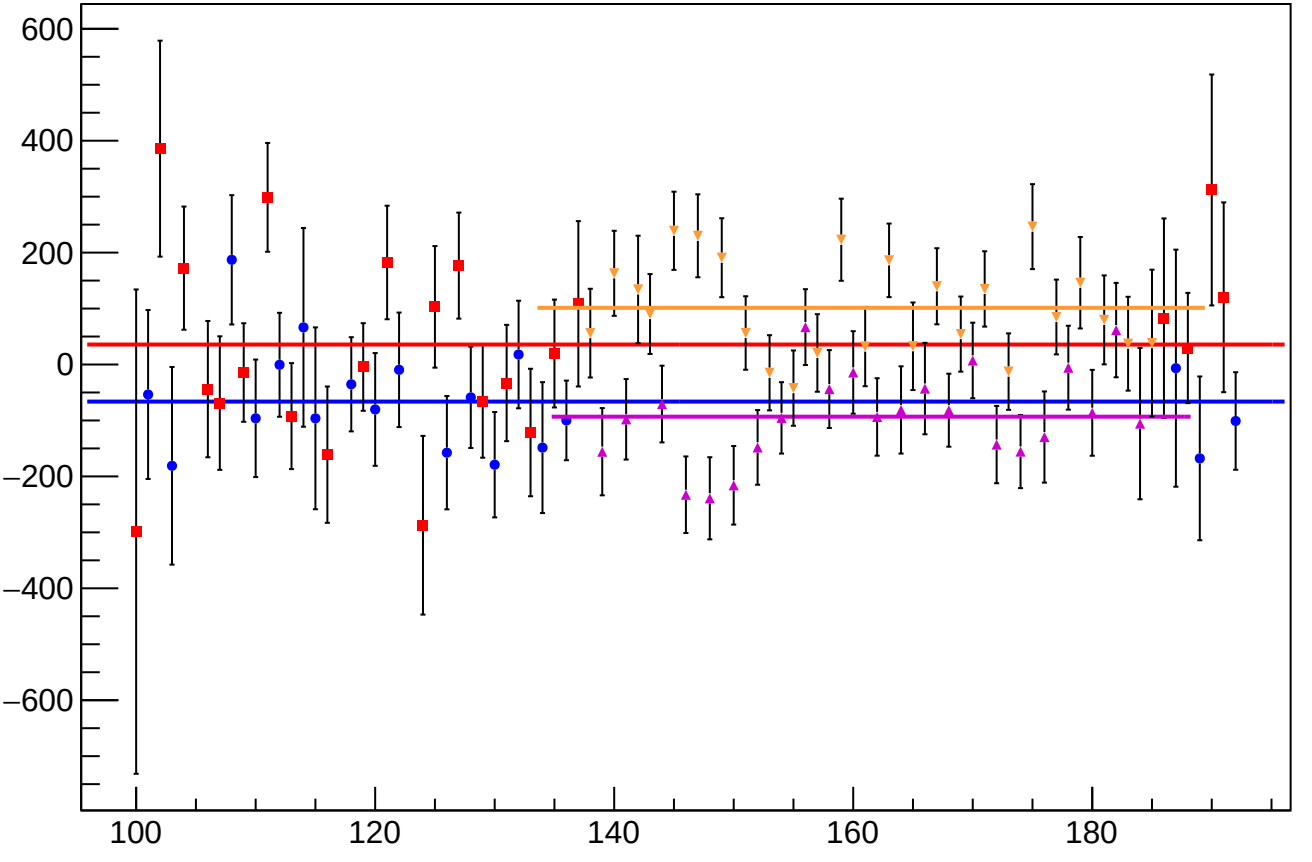
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 312.355+/-0.044 χ^2/NDF: 5163357.8/43

All: 310.520+/-0.031 χ^2/NDF: 11184328.9/89

- sign 308.651+/-0.044 χ^2/NDF: 6017419.8/45

eigen_cor_asym_sam7_mean vs Slug



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

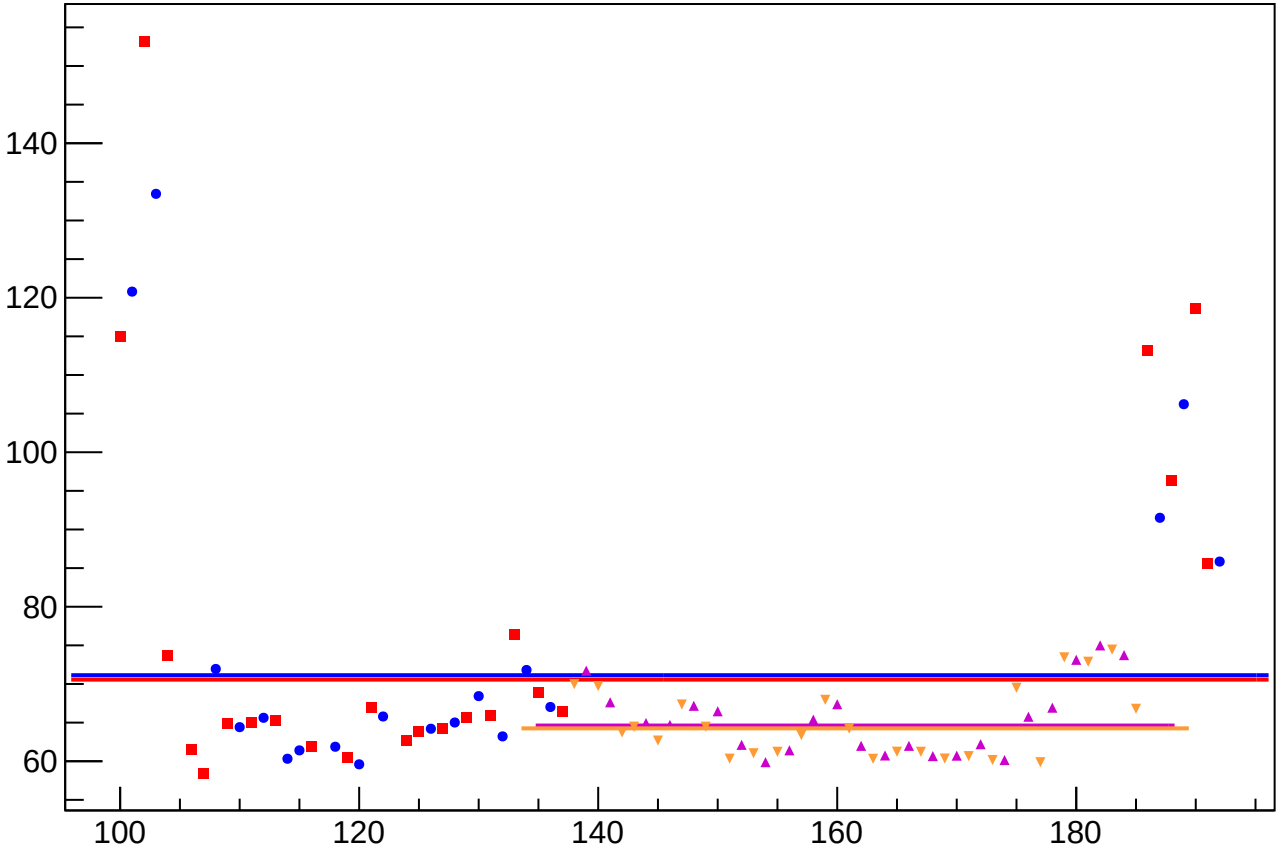
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 57.072+/-12.561 χ^2/NDF: 79.8/43

All: 1.457+/-8.952 χ^2/NDF: 202.9/89

- sign -55.963+/-12.763 χ^2/NDF: 83.3/45

eigen_cor_asym_sam7_rms vs Slug



Right In: 71.137+/-0.017 χ^2/NDF: 781928.0/18

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

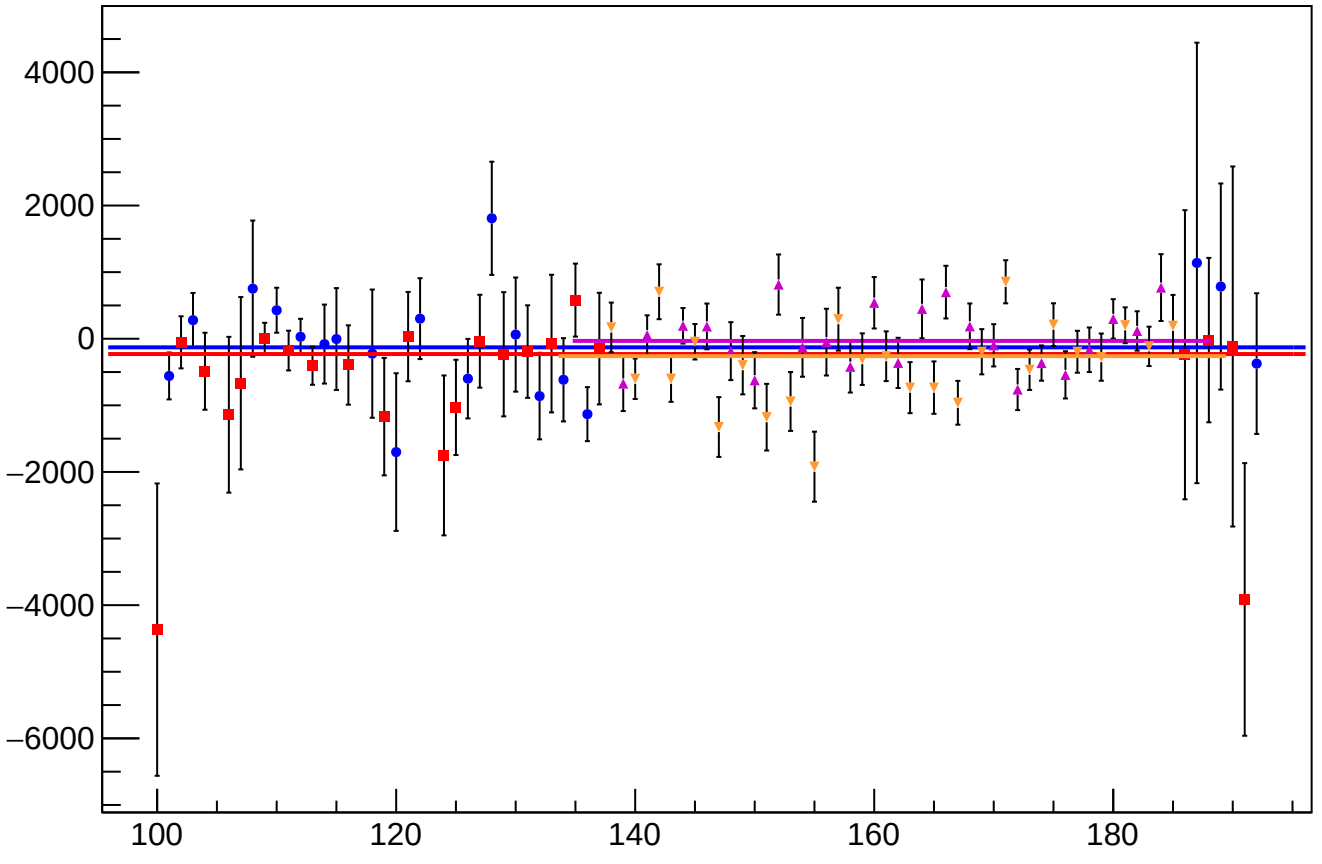
Right Out: 70.565+/-0.017 χ^2/NDF: 900159.7/22

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

\+ sign 66.073+/-0.009 χ^2/NDF: 1076281.4/43

All: 66.204+/-0.006 χ^2/NDF: 2213224.6/89

\- sign 66.339+/-0.009 χ^2/NDF: 1136500.1/45



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

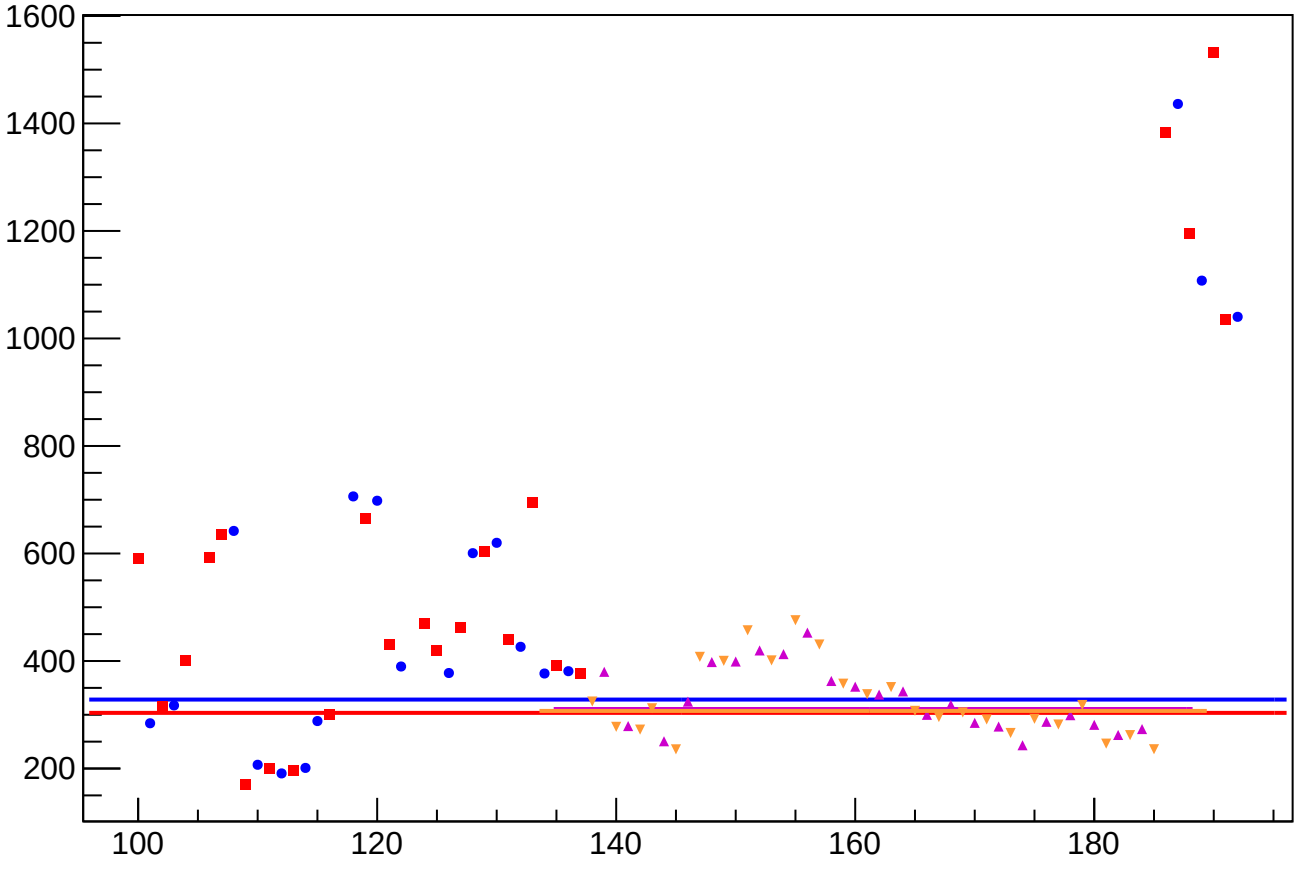
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -228.568+/-61.854 χ^2/NDF: 82.7/43

All: -159.263+/-43.943 χ^2/NDF: 134.8/89

- sign -88.642+/-62.439 χ^2/NDF: 49.6/45

asym_sam7_eigen_cor_correction_rms vs Slug



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

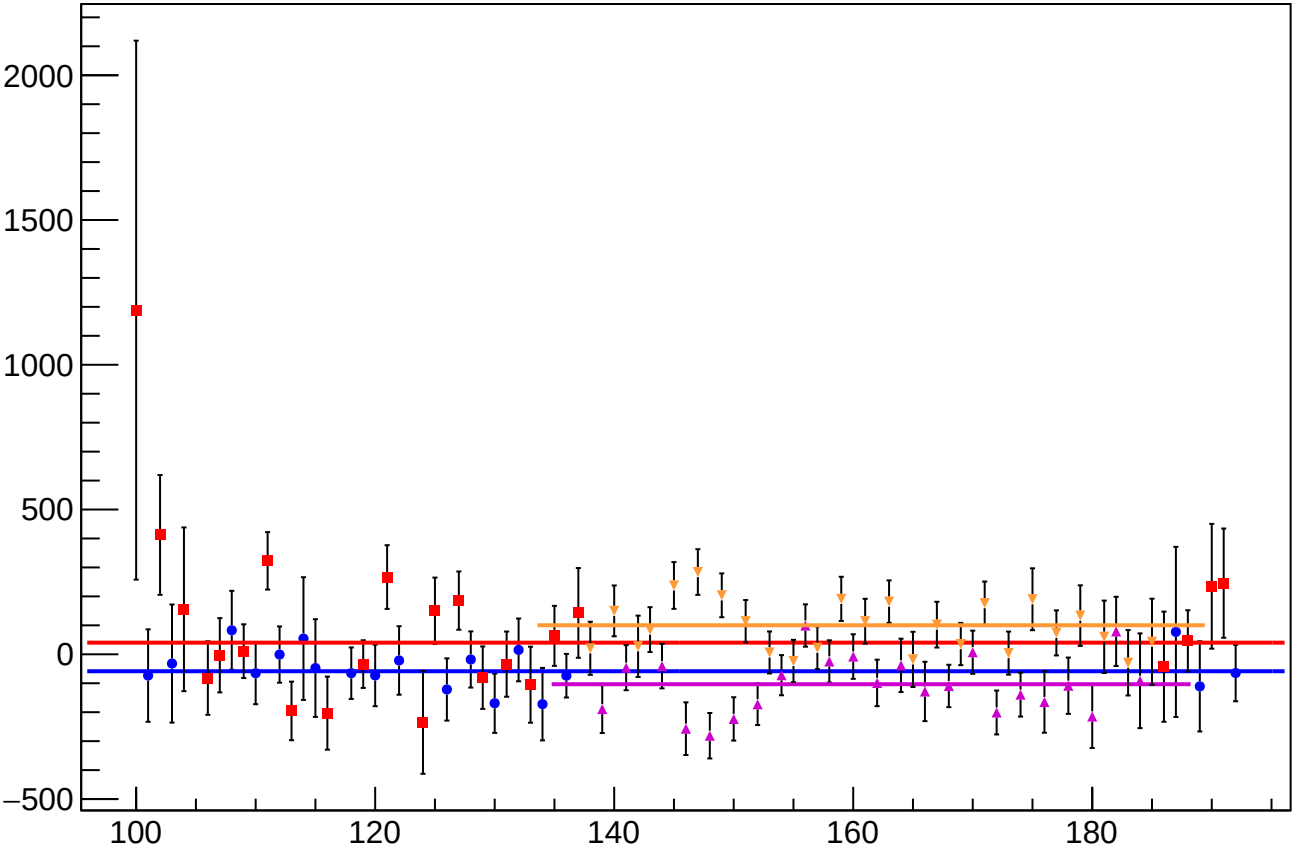
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 312.355+/-0.044 χ^2/NDF: 5163357.8/43

All: 310.520+/-0.031 χ^2/NDF: 11184328.9/89

- sign 308.651+/-0.044 χ^2/NDF: 6017419.8/45

dit_asym_sam7_mean vs Slug



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

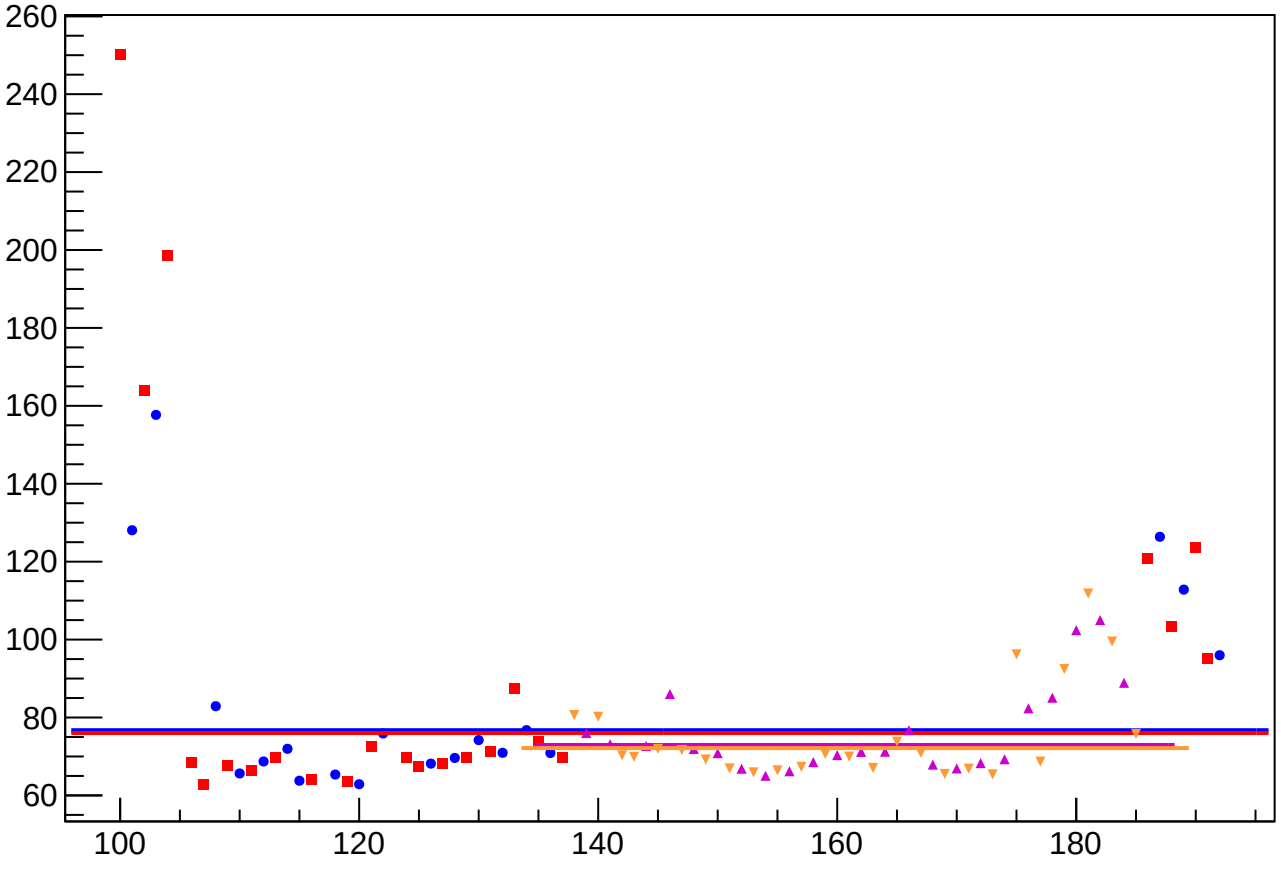
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 55.397+/-14.081 χ^2/NDF: 58.7/43

All: -0.738+/-10.051 χ^2/NDF: 184.6/89

- sign -59.051+/-14.351 χ^2/NDF: 93.5/45

dit_asym_sam7_rms vs Slug



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

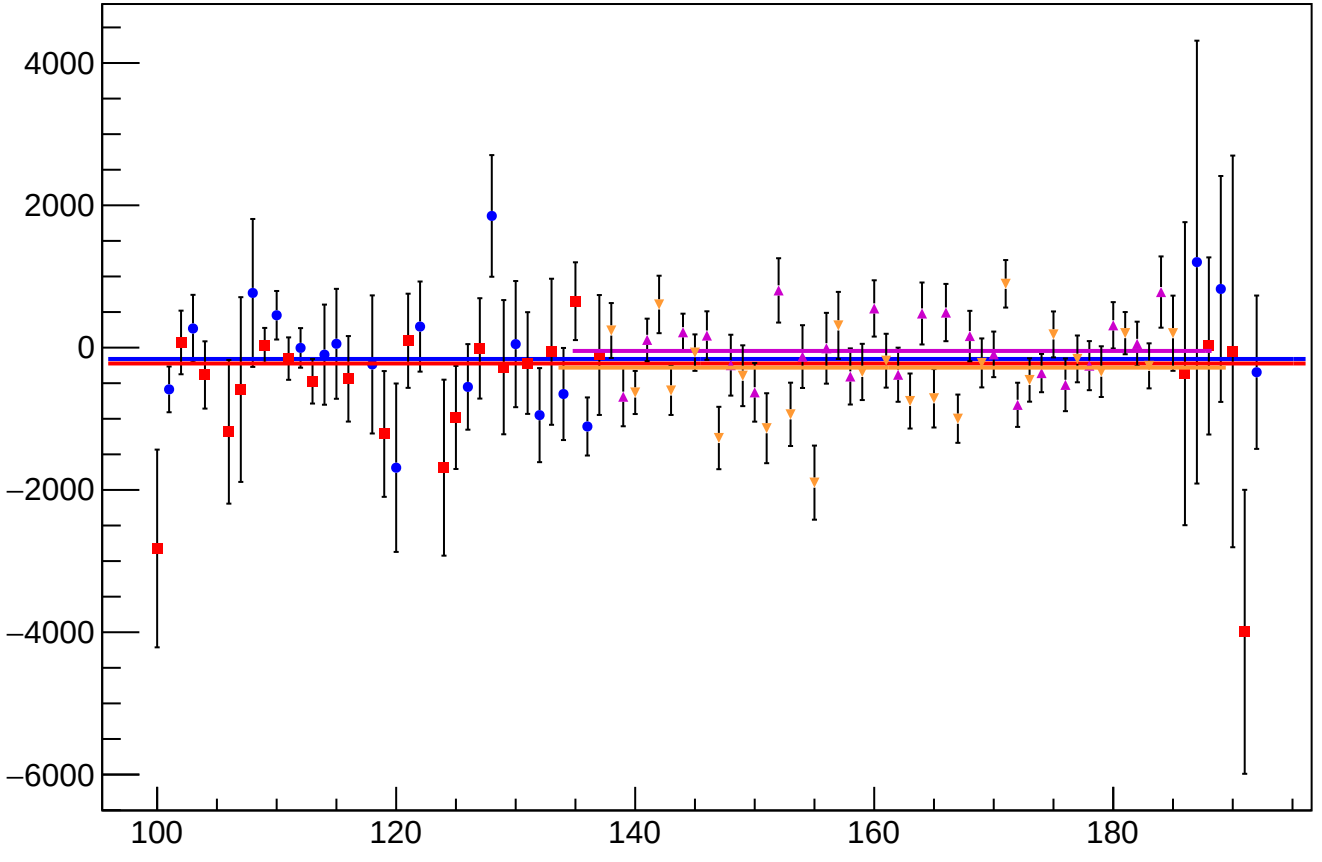
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 73.447+/-0.010 χ^2/NDF: 1610505.7/43

All: 73.667+/-0.007 χ^2/NDF: 3503958.6/89

- sign 73.895+/-0.010 χ^2/NDF: 1892459.9/45

asym_sam7_dit_correction_mean vs Slug



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

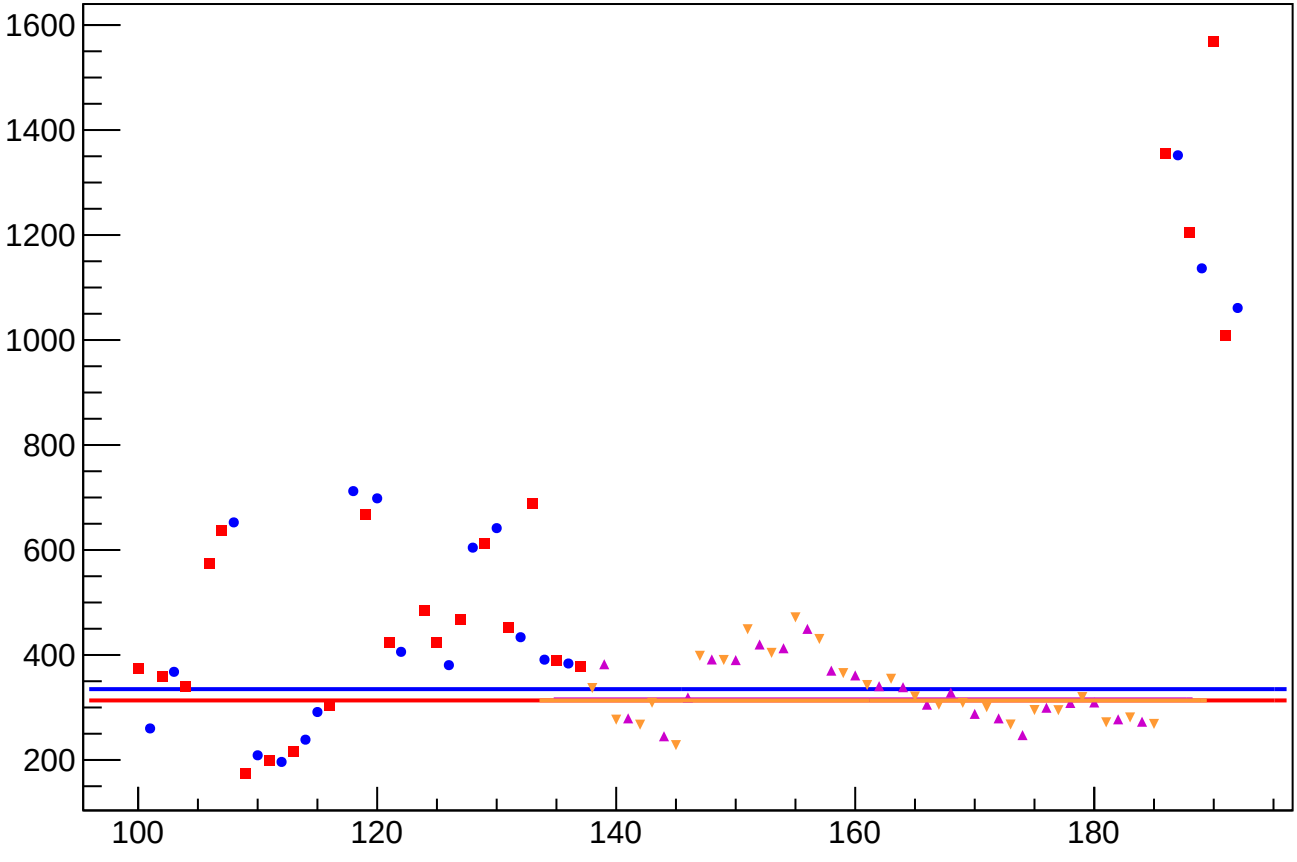
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -251.246+/-62.990 χ^2/NDF: 80.8/43

All: -174.397+/-44.683 χ^2/NDF: 133.3/89

- sign -96.554+/-63.395 χ^2/NDF: 49.6/45

asym_sam7_dit_correction_rms vs Slug



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

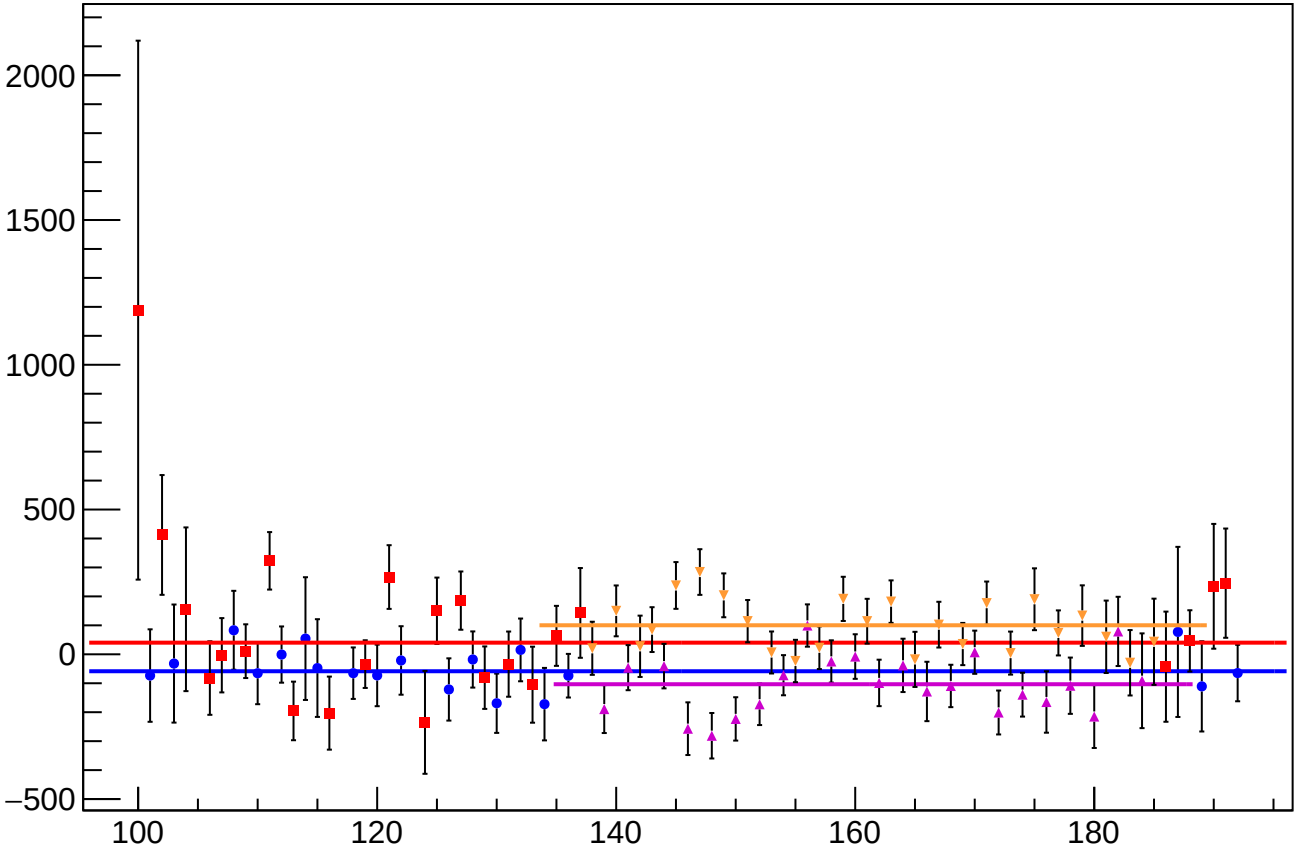
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 318.777+/-0.045 χ^2/NDF: 5022419.7/43

All: 316.840+/-0.032 χ^2/NDF: 10778735.3/89

- sign 314.879+/-0.045 χ^2/NDF: 5752510.0/45

eigen_dit_asym_sam7_mean vs Slug



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

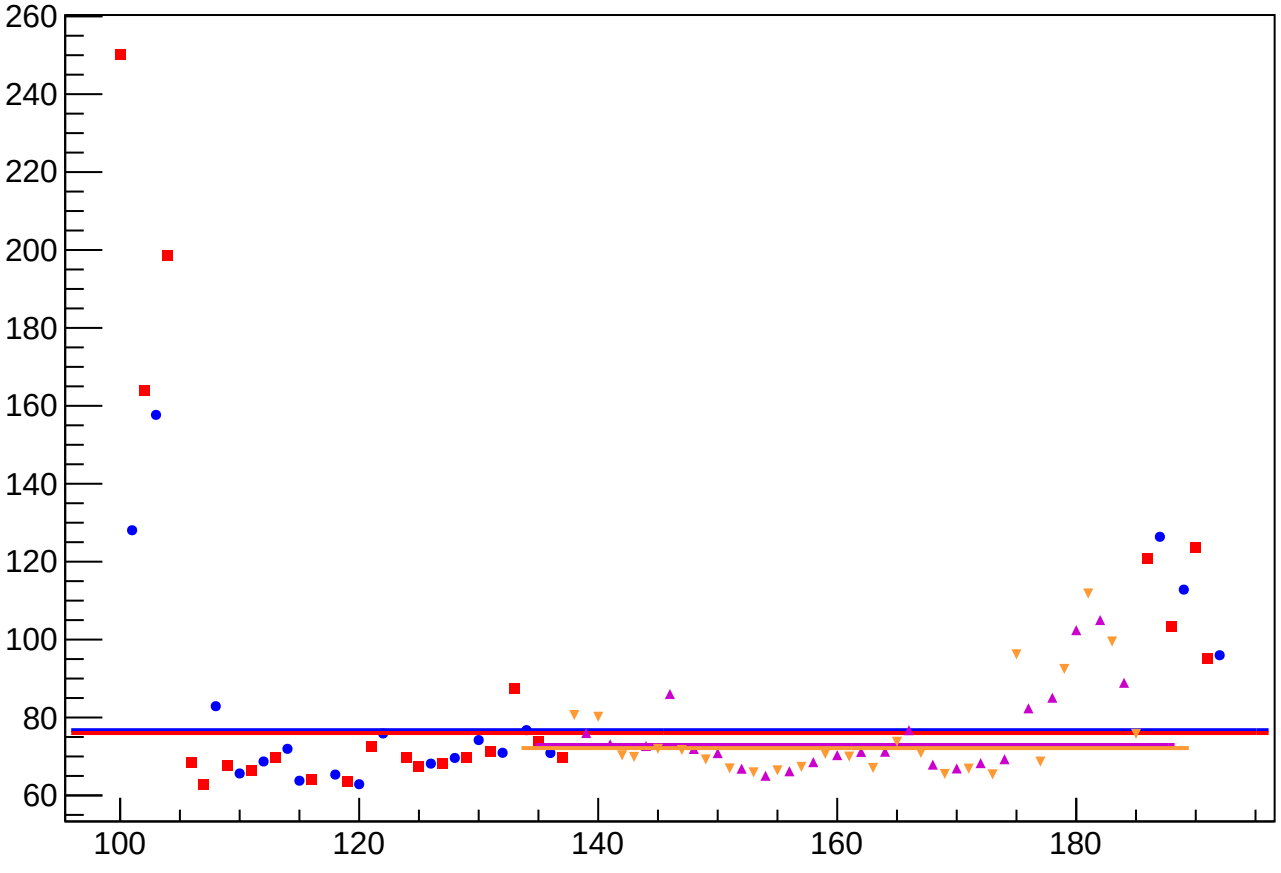
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 55.397+/-14.081 χ^2/NDF: 58.7/43

All: -0.738+/-10.051 χ^2/NDF: 184.6/89

- sign -59.050+/-14.351 χ^2/NDF: 93.5/45

eigen_dit_asym_sam7_rms vs Slug



Right In: 76.741+/-0.019 χ^2/NDF: 925425.1/18

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

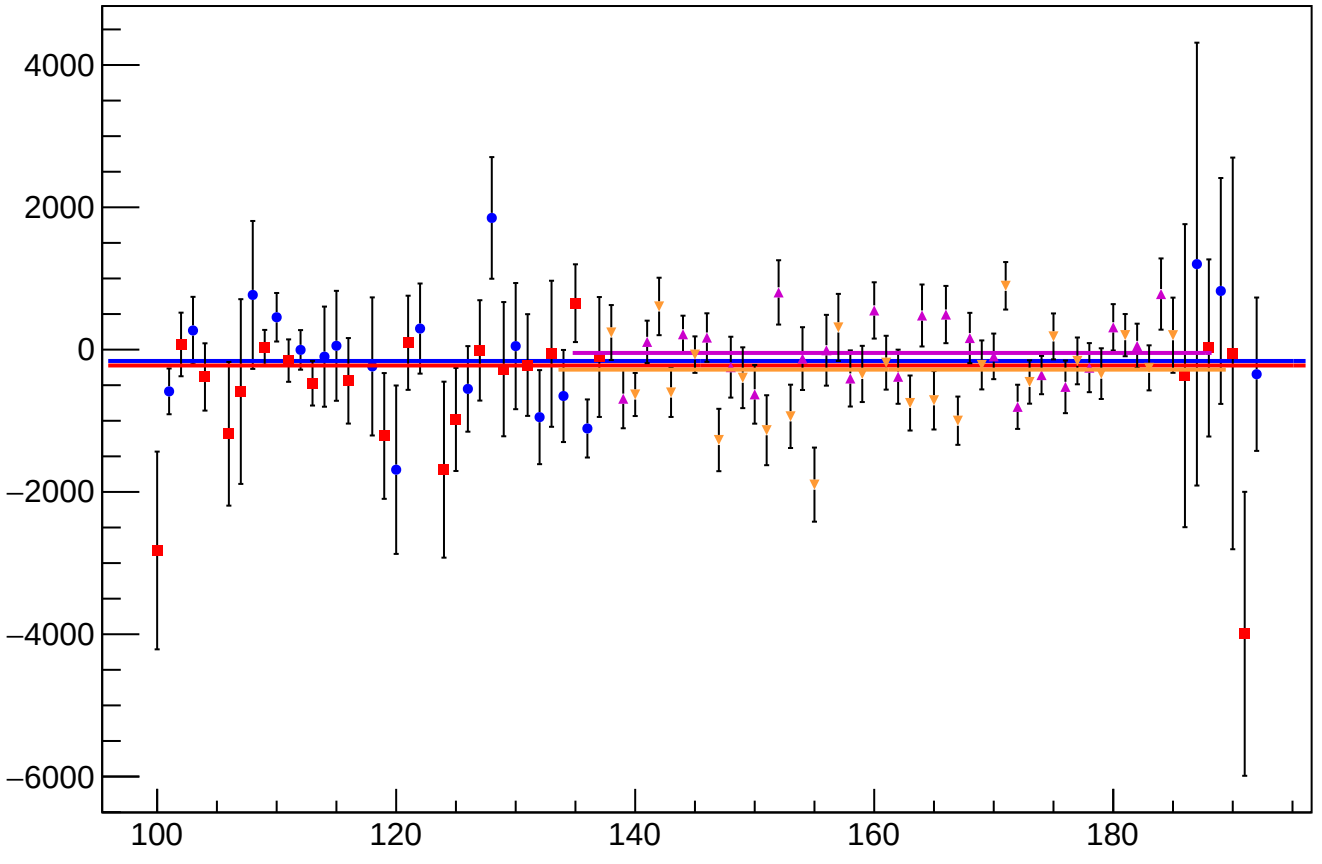
Right Out: 76.017+/-0.018 χ^2/NDF: 1363917.6/22

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 73.447+/-0.010 χ^2/NDF: 1610507.7/43

All: 73.667+/-0.007 χ^2/NDF: 3503957.4/89

- sign 73.895+/-0.010 χ^2/NDF: 1892456.8/45



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

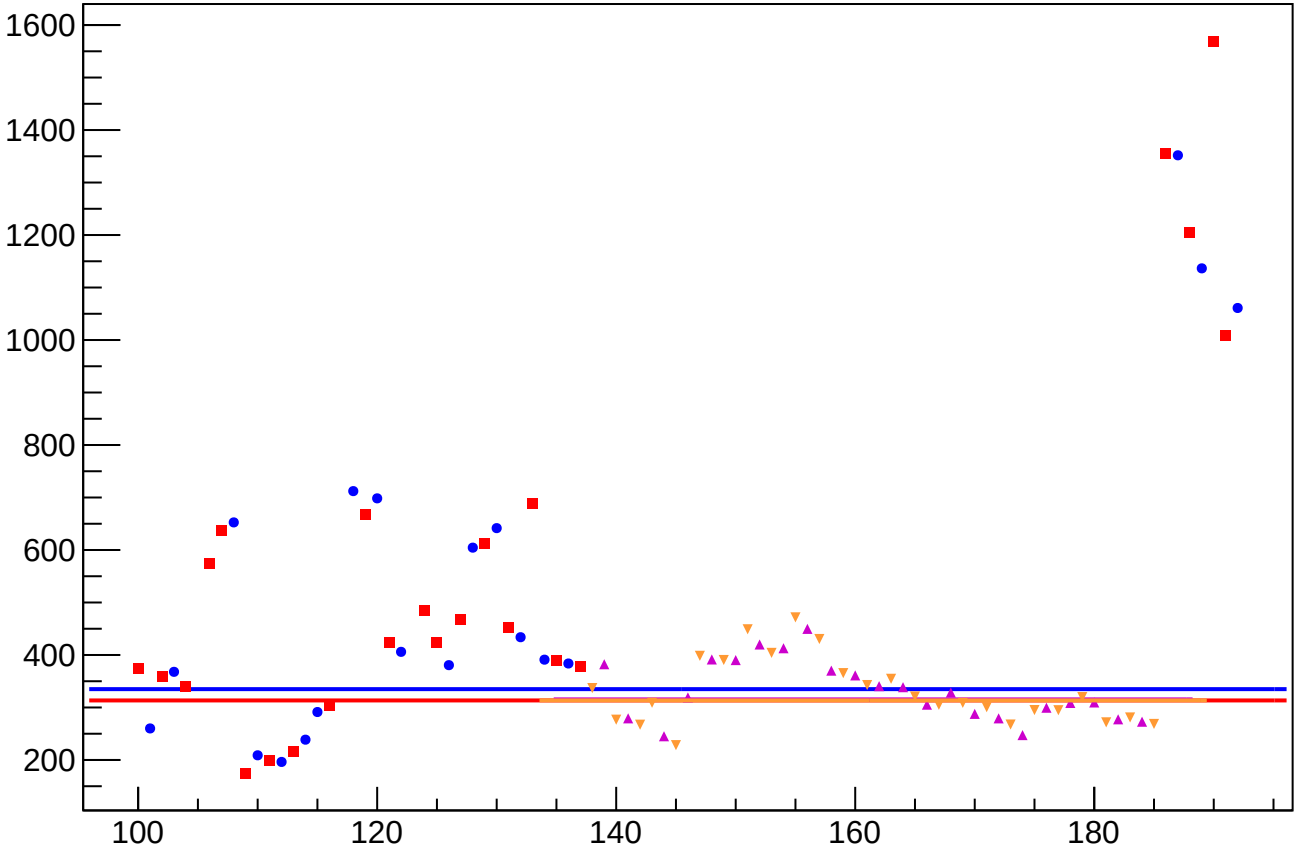
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -251.246+/-62.990 χ^2/NDF: 80.8/43

All: -174.396+/-44.683 χ^2/NDF: 133.3/89

- sign -96.554+/-63.395 χ^2/NDF: 49.6/45

asym_sam7_eigen_dit_correction_rms vs Slug



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

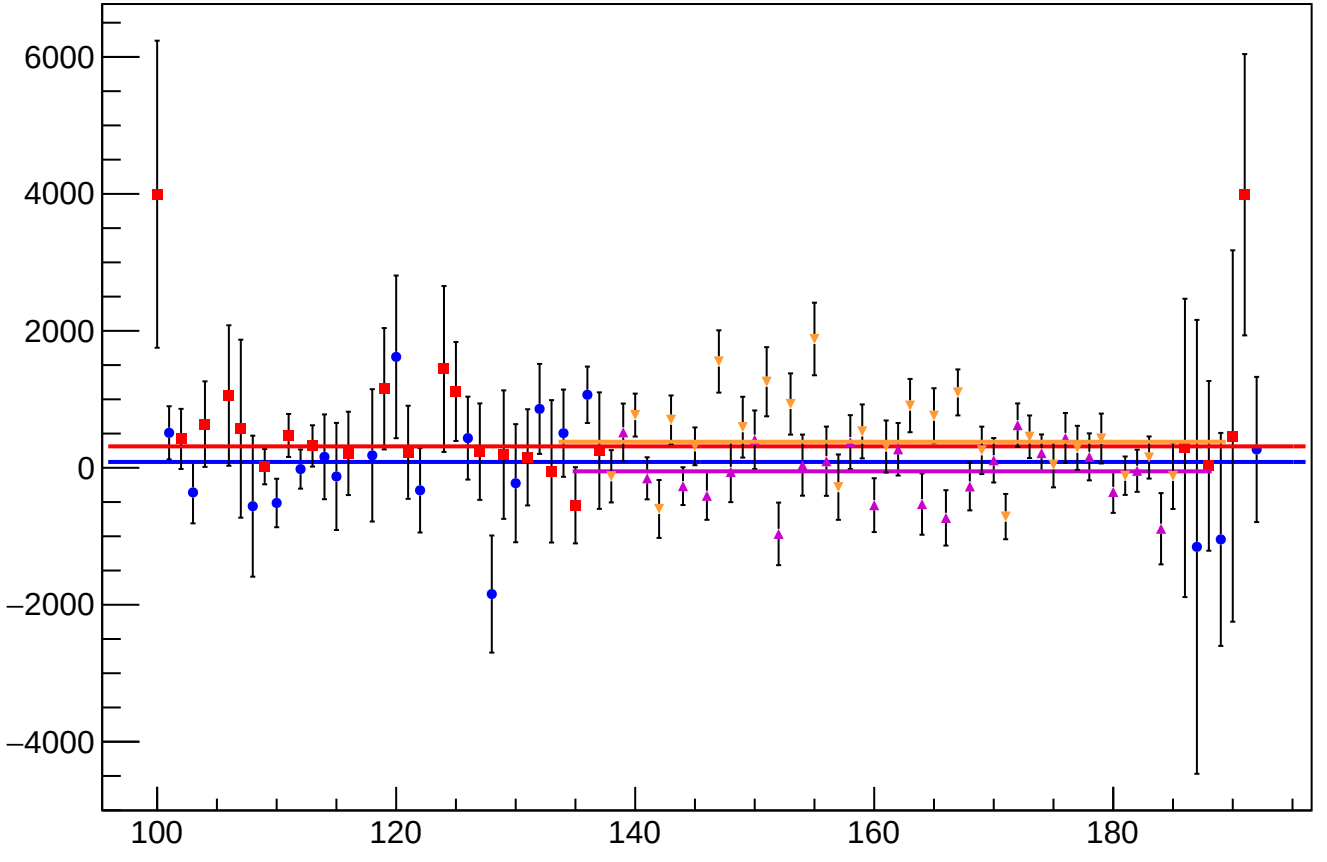
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 318.776+/-0.045 χ^2/NDF: 5022456.6/43

All: 316.840+/-0.032 χ^2/NDF: 10778789.3/89

- sign 314.878+/-0.045 χ^2/NDF: 5752527.6/45

asym_sam7_mean vs Slug



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

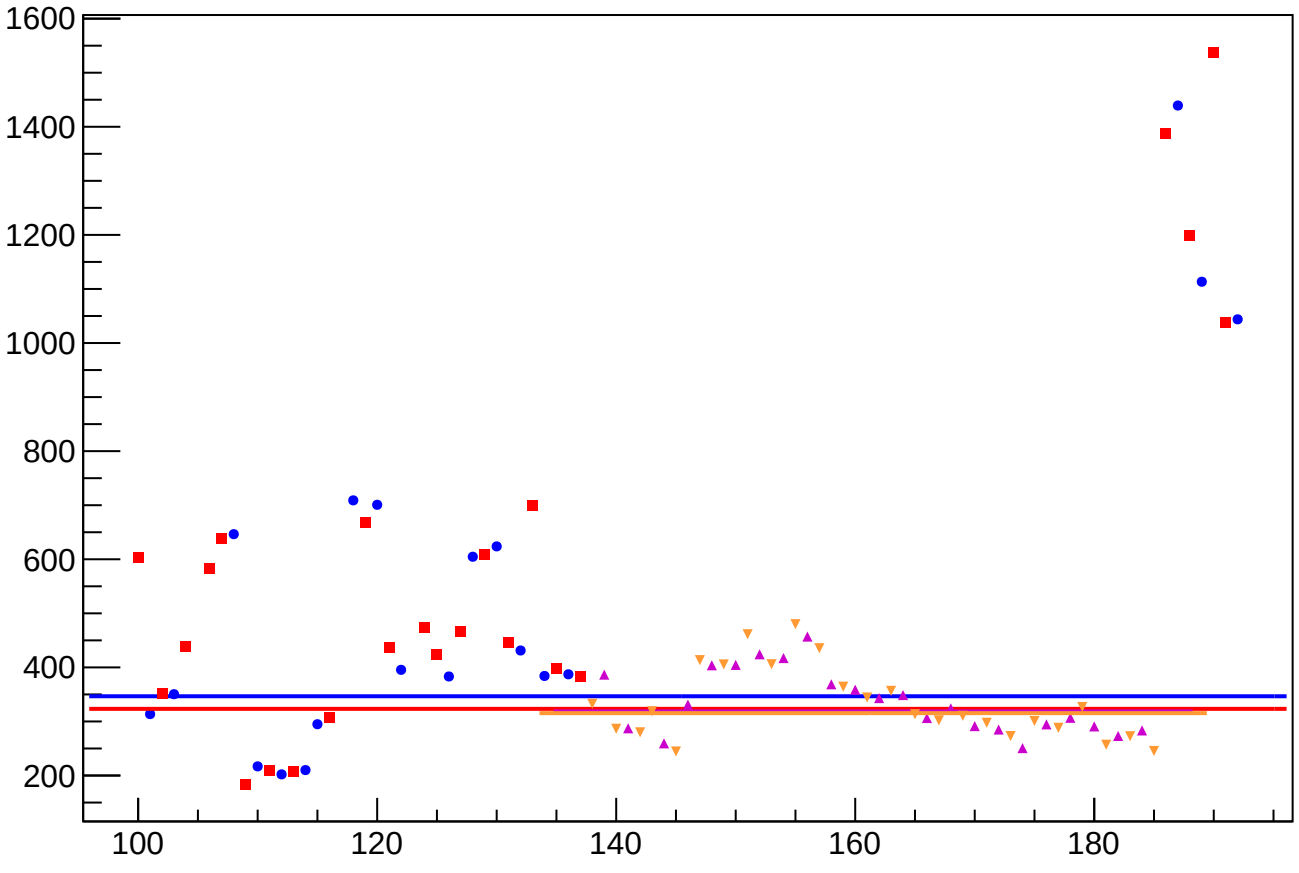
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 310.088+/-63.730 χ^2/NDF: 80.9/43

All: 180.798+/-45.296 χ^2/NDF: 137.8/89

- sign 48.816+/-64.390 χ^2/NDF: 48.7/45

asym_sam7_rms vs Slug



Right In: 346.614+/-0.092 χ^2/NDF: 3565000.0/18

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

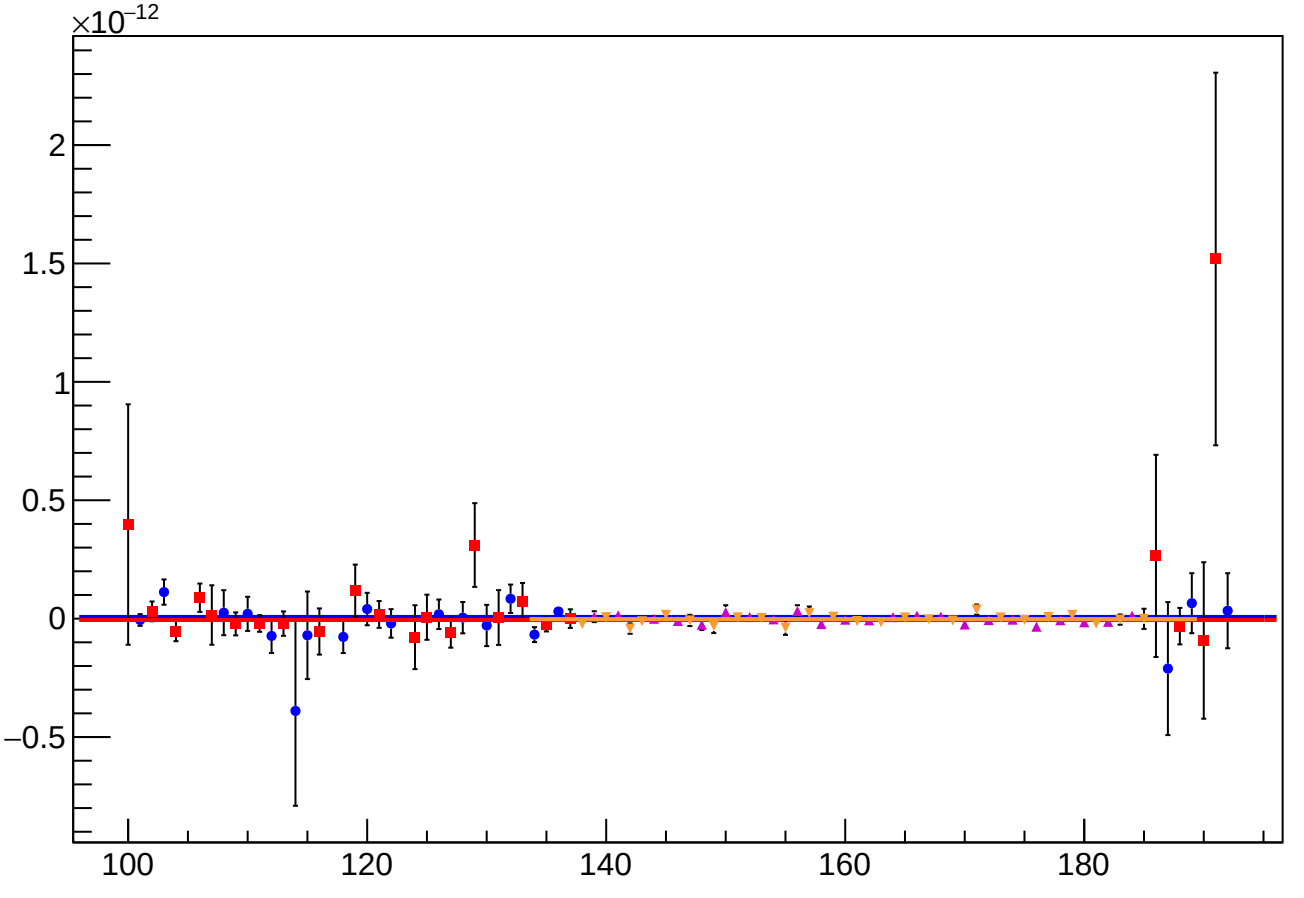
Right Out: 323.333+/-0.087 χ^2/NDF: 4687095.7/22

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 322.858+/-0.045 χ^2/NDF: 4862398.8/43

All: 321.427+/-0.032 χ^2/NDF: 10545211.5/89

- sign 319.966+/-0.046 χ^2/NDF: 5680775.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

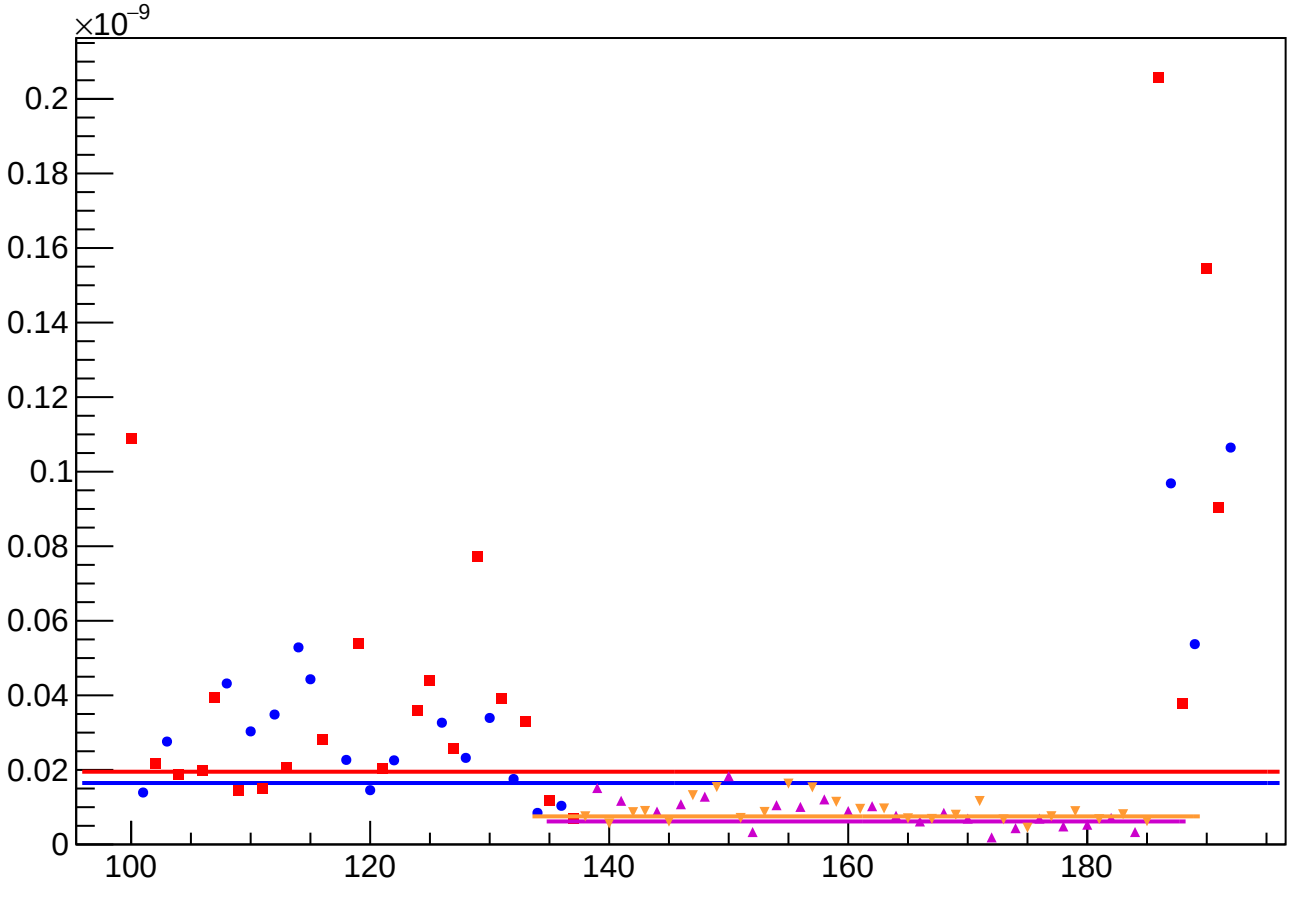
Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/22

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.2/43

All: -0.000+/-0.000 χ^2/NDF: 73.7/89

- sign -0.000+/-0.000 χ^2/NDF: 34.8/45



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

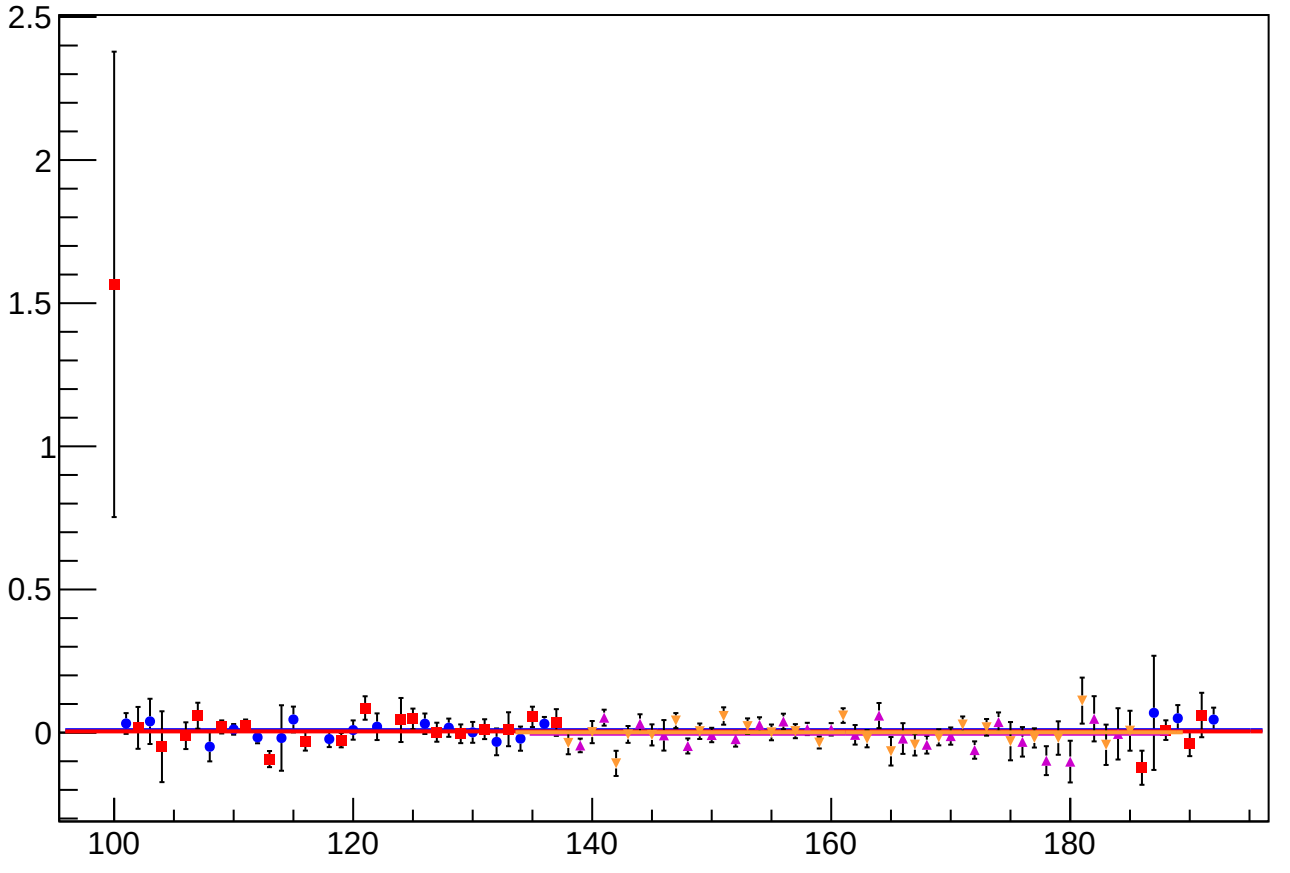
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 4610391.8/43

All: 0.000+/-0.000 χ^2/NDF: 11789985.7/89

- sign 0.000+/-0.000 χ^2/NDF: 6974130.5/45

asym_sam7_dit_vs_cor_diff_mean vs Slug



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

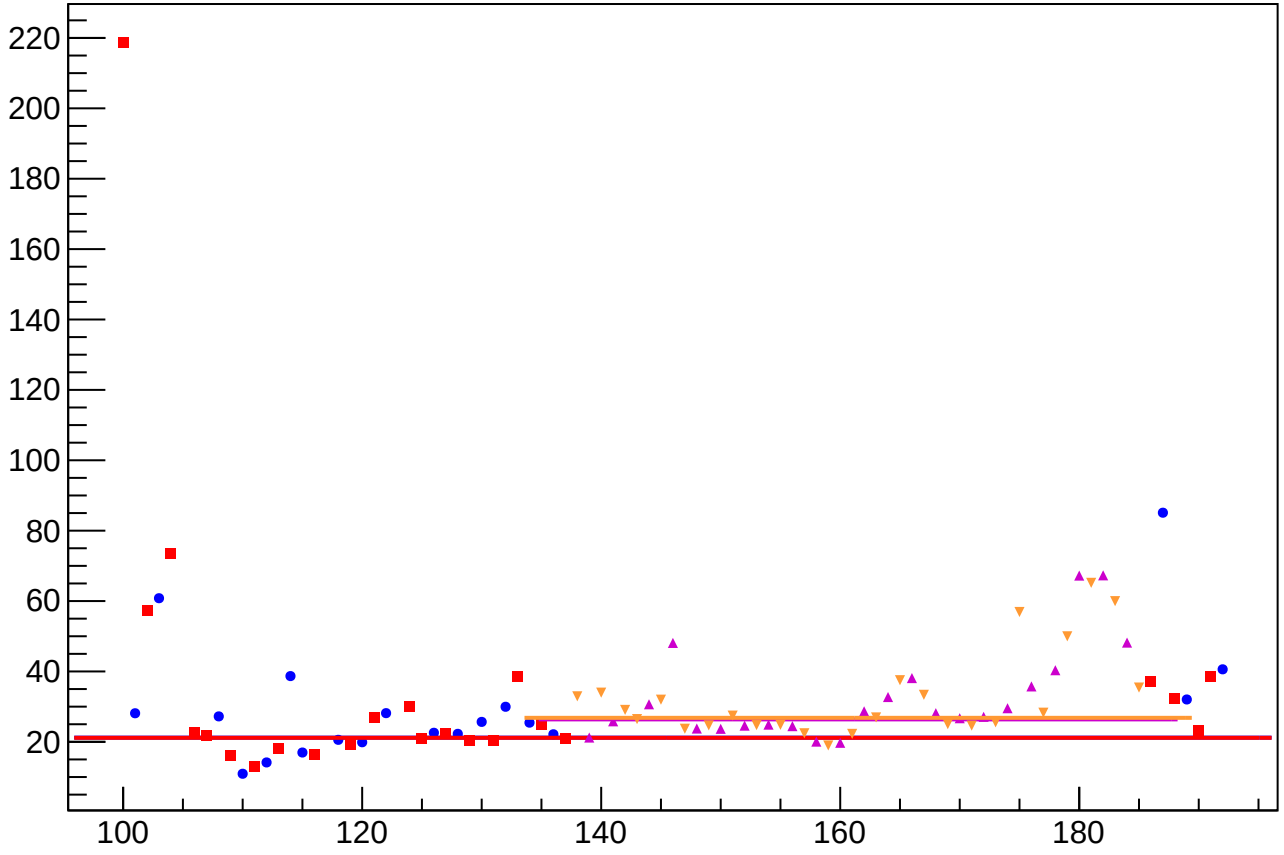
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/43

All: 0.002+/-0.004 χ^2/NDF: 108.8/89

- sign -0.000+/-0.005 χ^2/NDF: 67.9/45

asym_sam7_dit_vs_cor_diff_rms vs Slug



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

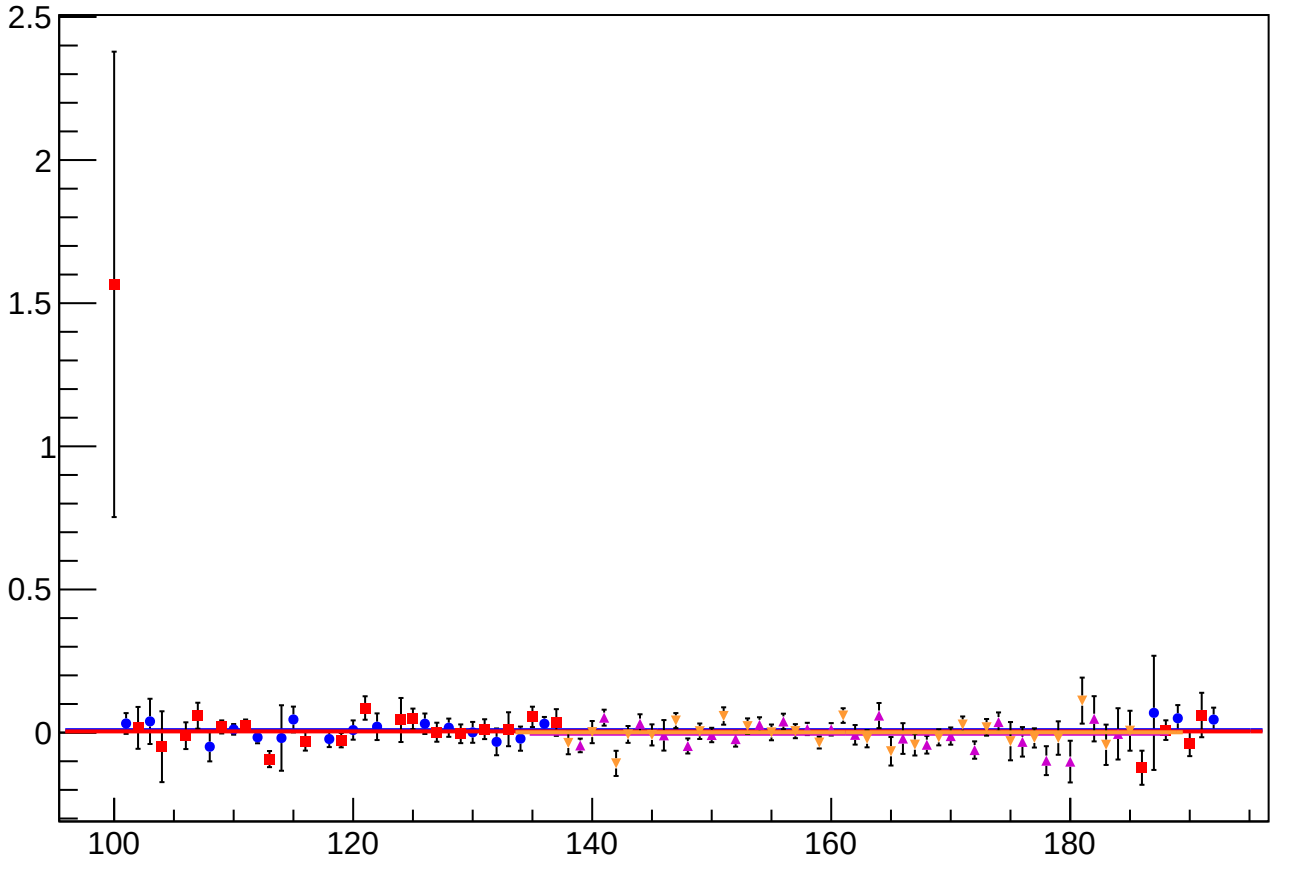
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.548+/-0.004 χ^2/NDF: 5509163.4/43

All: 24.345+/-0.003 χ^2/NDF: 10840090.8/89

- sign 24.143+/-0.004 χ^2/NDF: 5324404.8/45

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



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

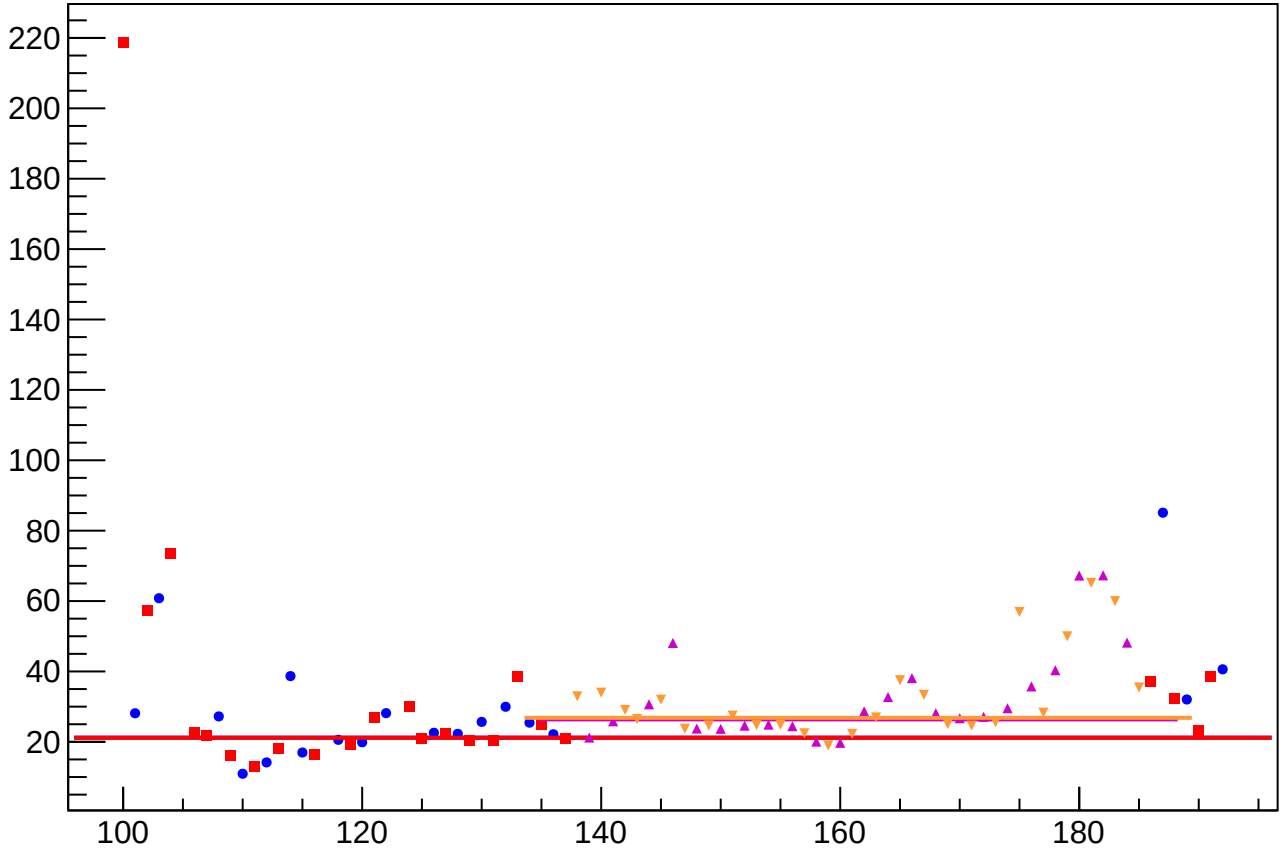
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/43

All: 0.002+/-0.004 χ^2/NDF: 108.8/89

- sign -0.000+/-0.005 χ^2/NDF: 67.9/45

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.192+/-0.006 χ^2/NDF: 2432765.4/18

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

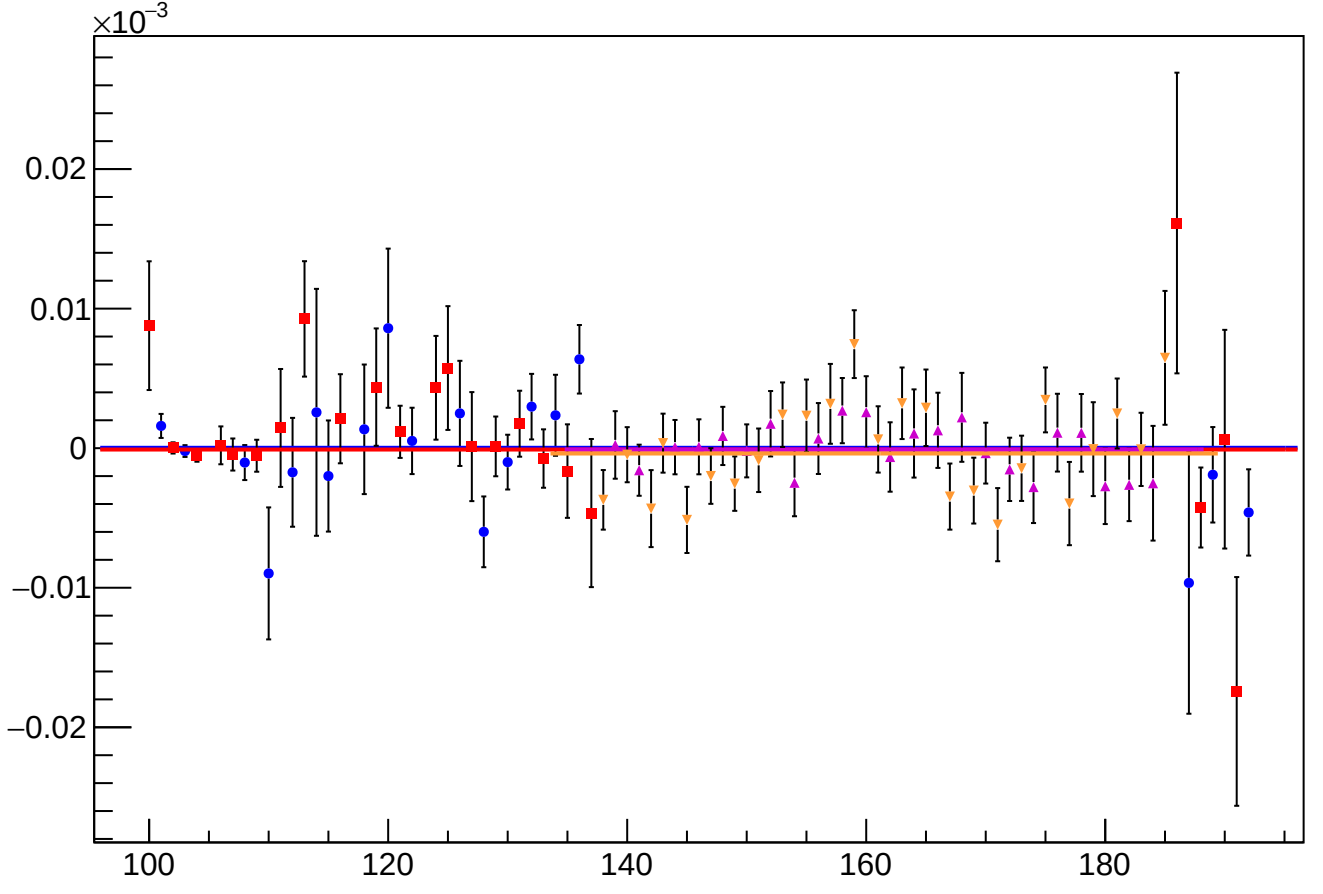
Right Out: 21.148+/-0.005 χ^2/NDF: 2222492.6/22

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.548+/-0.004 χ^2/NDF: 5509163.4/43

All: 24.345+/-0.003 χ^2/NDF: 10840090.8/89

- sign 24.143+/-0.004 χ^2/NDF: 5324404.8/45



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

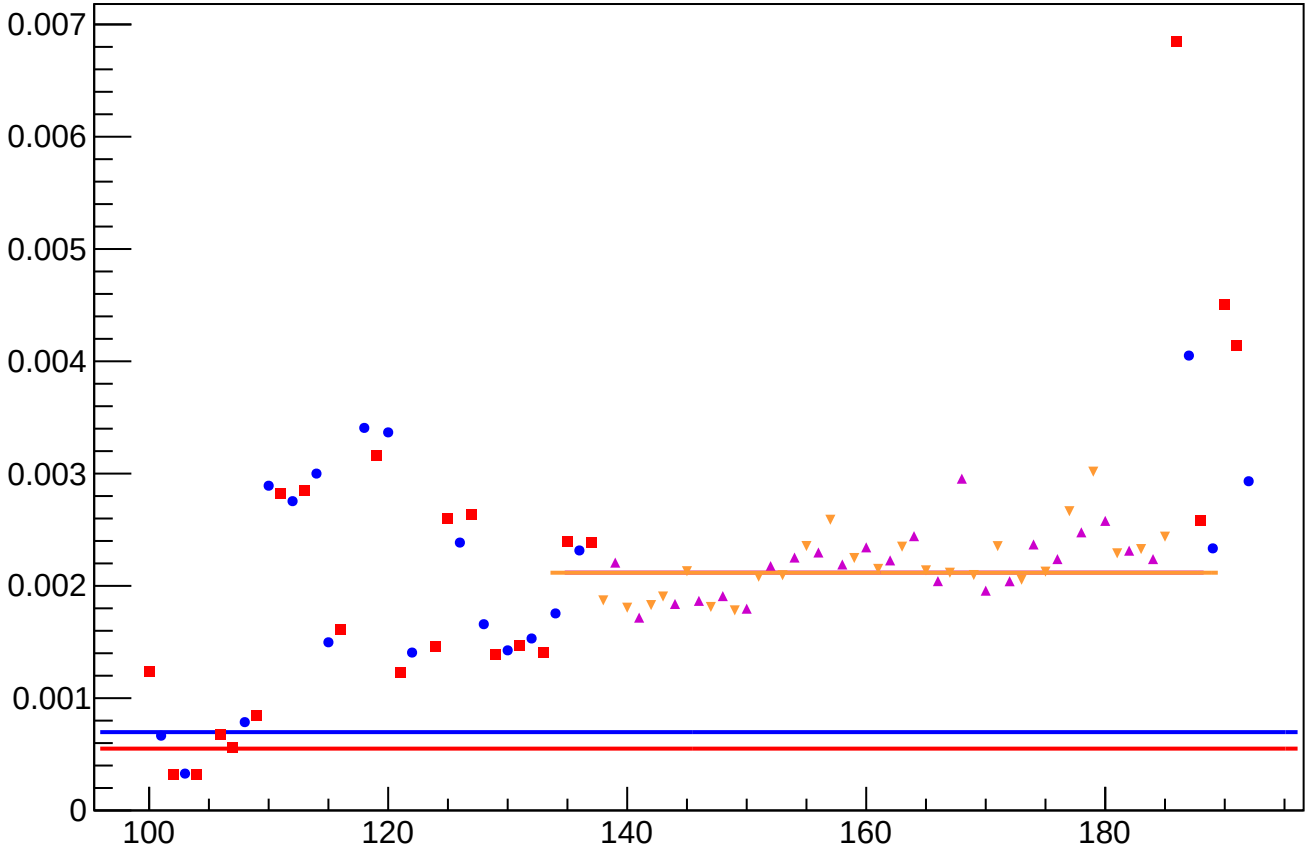
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.3/43

All: -0.000+/-0.000 χ^2/NDF: 109.5/89

- sign -0.000+/-0.000 χ^2/NDF: 36.2/45

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



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

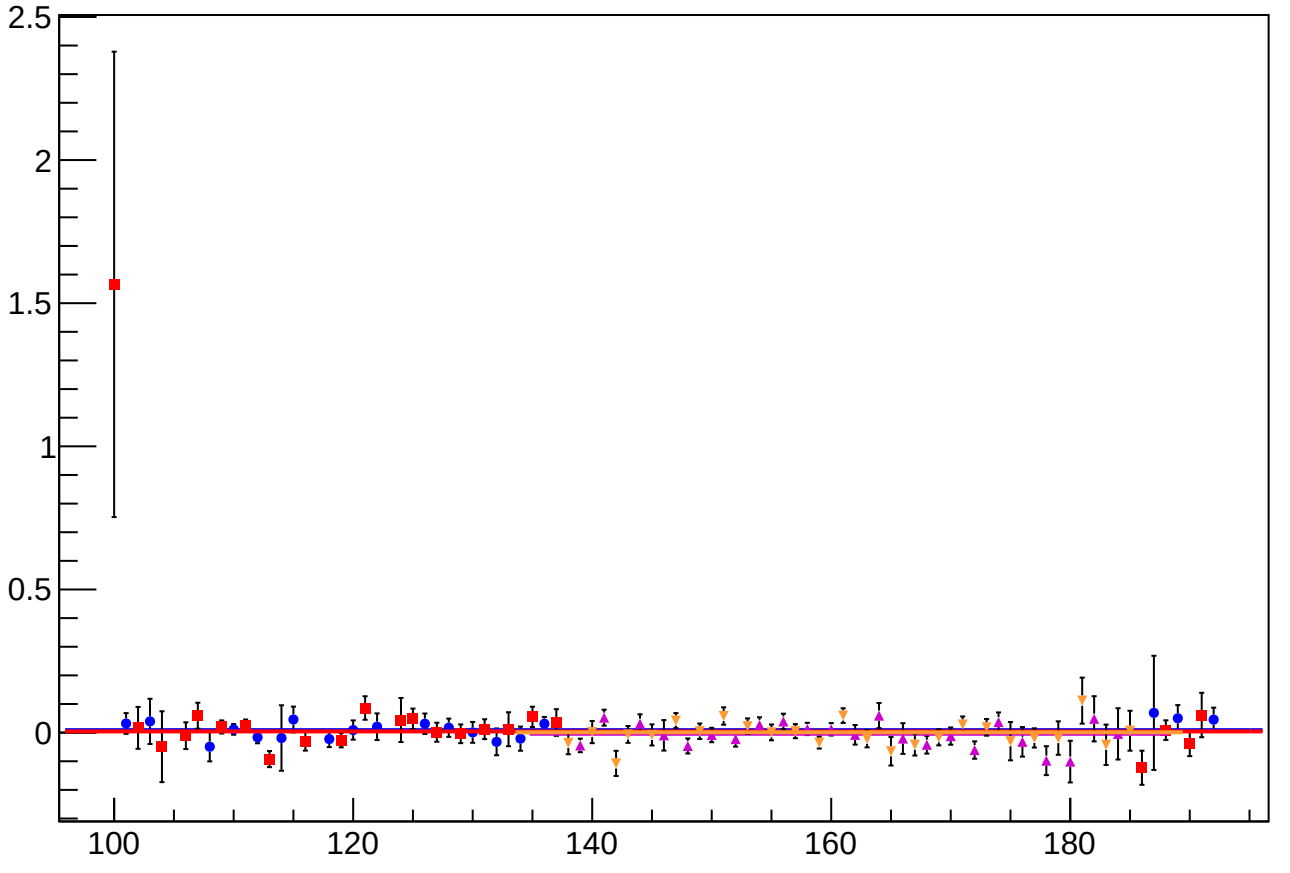
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

\+ sign 0.001+/-0.000 χ^2/NDF: 20404238.8/43

All: 0.001+/-0.000 χ^2/NDF: 46852267.4/89

\- sign 0.001+/-0.000 χ^2/NDF: 25363836.2/45

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



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

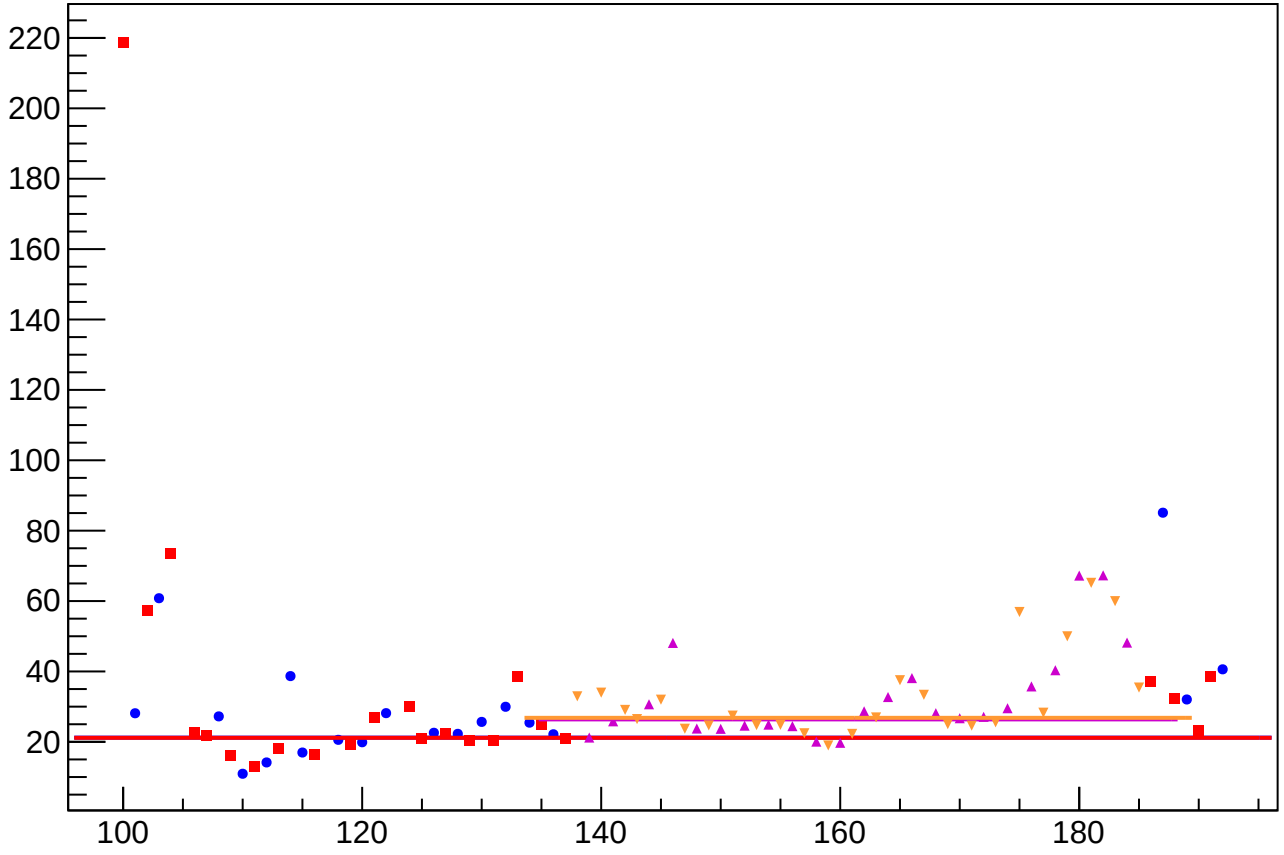
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/43

All: 0.002+/-0.004 χ^2/NDF: 108.8/89

- sign -0.000+/-0.005 χ^2/NDF: 67.9/45

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.192+/-0.006 χ^2/NDF: 2432565.7/18

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

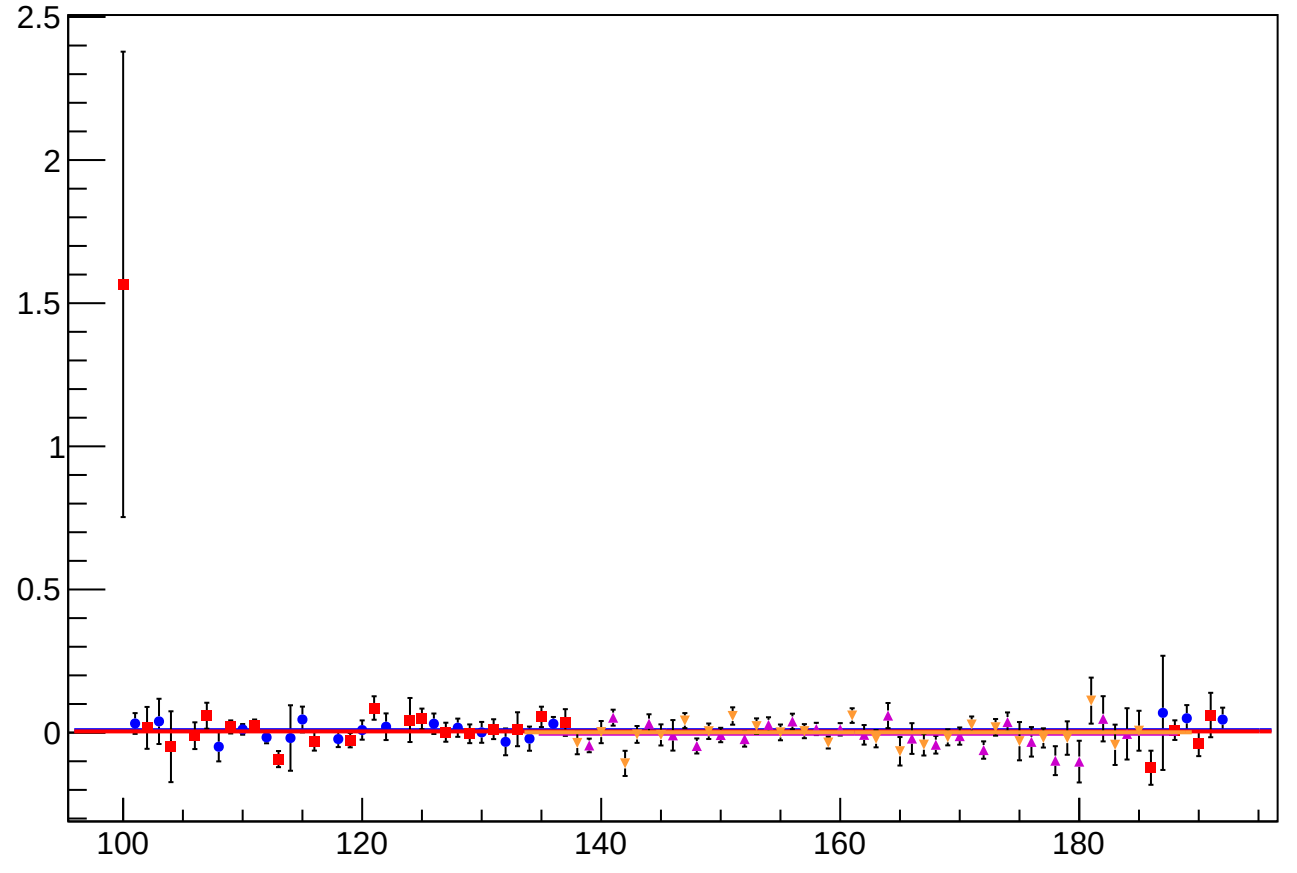
Right Out: 21.148+/-0.005 χ^2/NDF: 2222373.4/22

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.548+/-0.004 χ^2/NDF: 5508902.1/43

All: 24.345+/-0.003 χ^2/NDF: 10839759.1/89

- sign 24.143+/-0.004 χ^2/NDF: 5324328.6/45



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

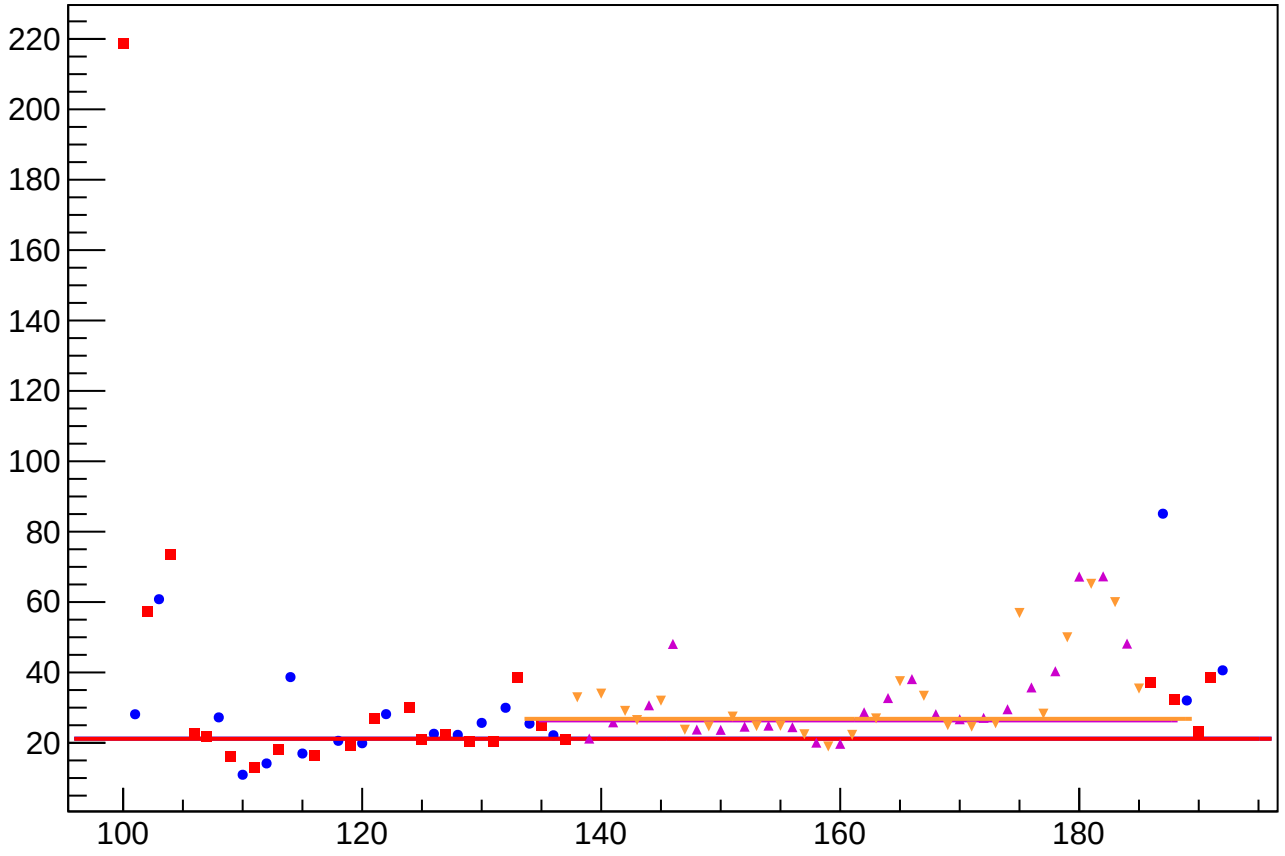
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/43

All: 0.002+/-0.004 χ^2/NDF: 108.8/89

- sign -0.000+/-0.005 χ^2/NDF: 67.9/45

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.192+/-0.006 χ^2/NDF: 2432565.7/18

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

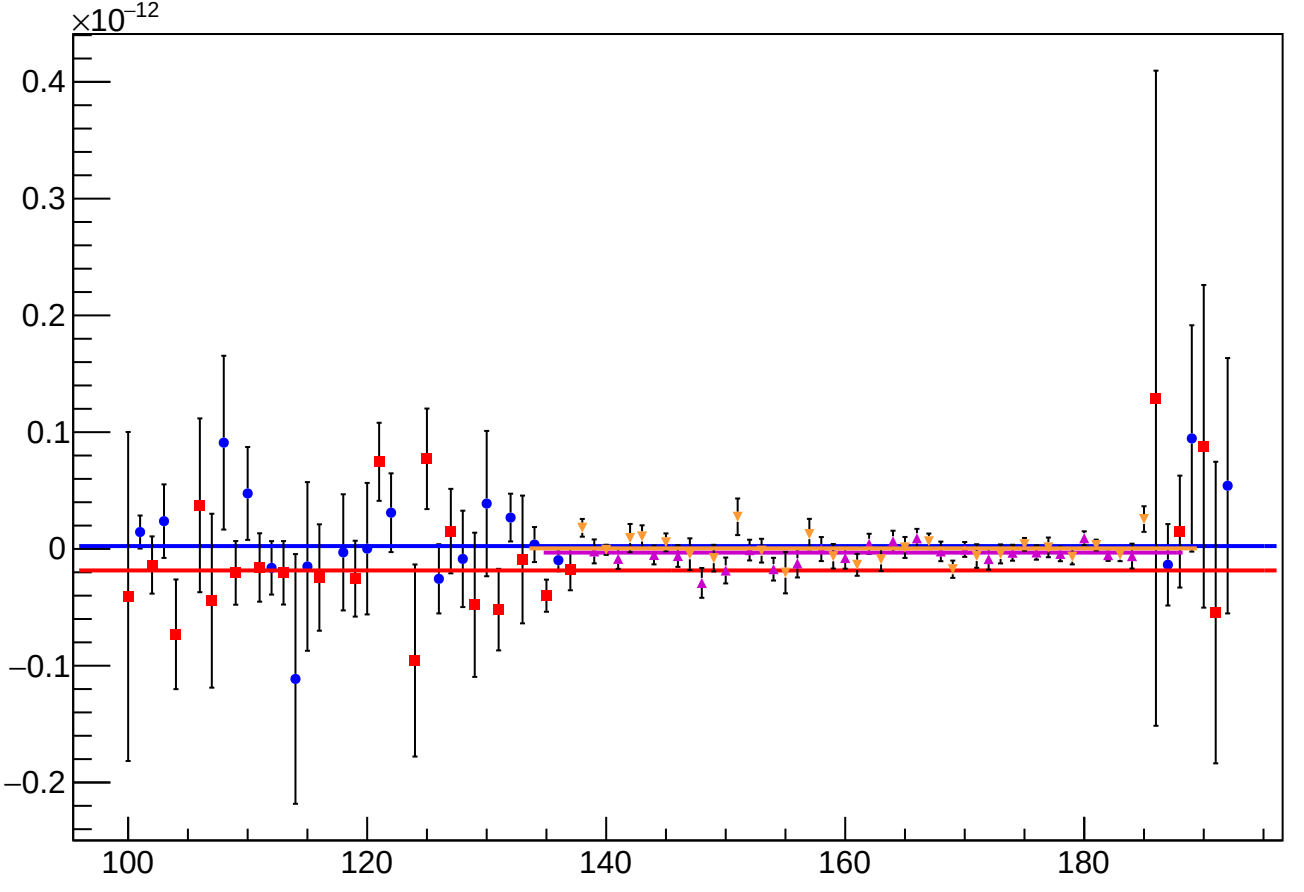
Right Out: 21.148+/-0.005 χ^2/NDF: 2222373.4/22

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.548+/-0.004 χ^2/NDF: 5508902.1/43

All: 24.345+/-0.003 χ^2/NDF: 10839759.1/89

- sign 24.143+/-0.004 χ^2/NDF: 5324328.6/45



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

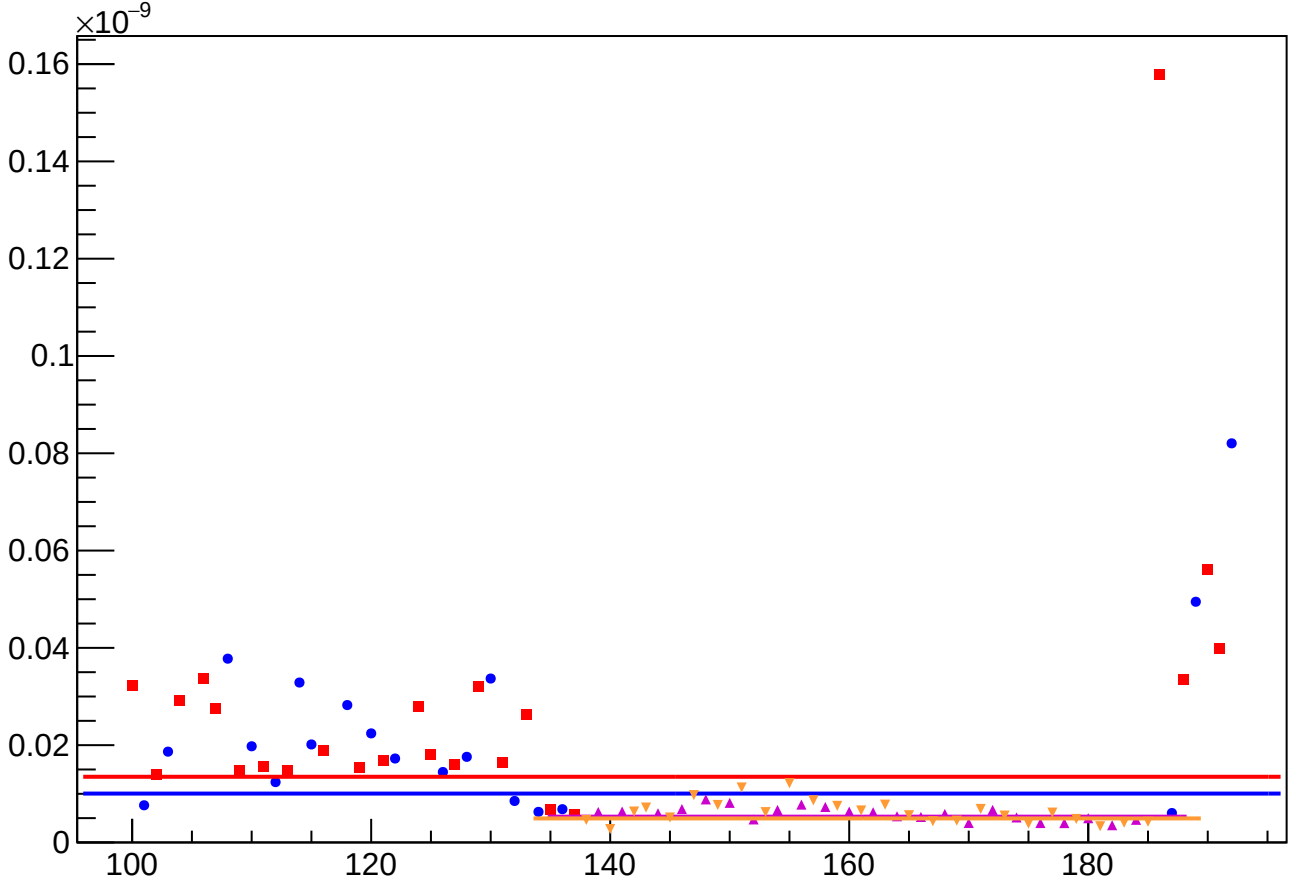
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.9/43

All: -0.000+/-0.000 χ^2/NDF: 94.5/89

- sign -0.000+/-0.000 χ^2/NDF: 45.3/45

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



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

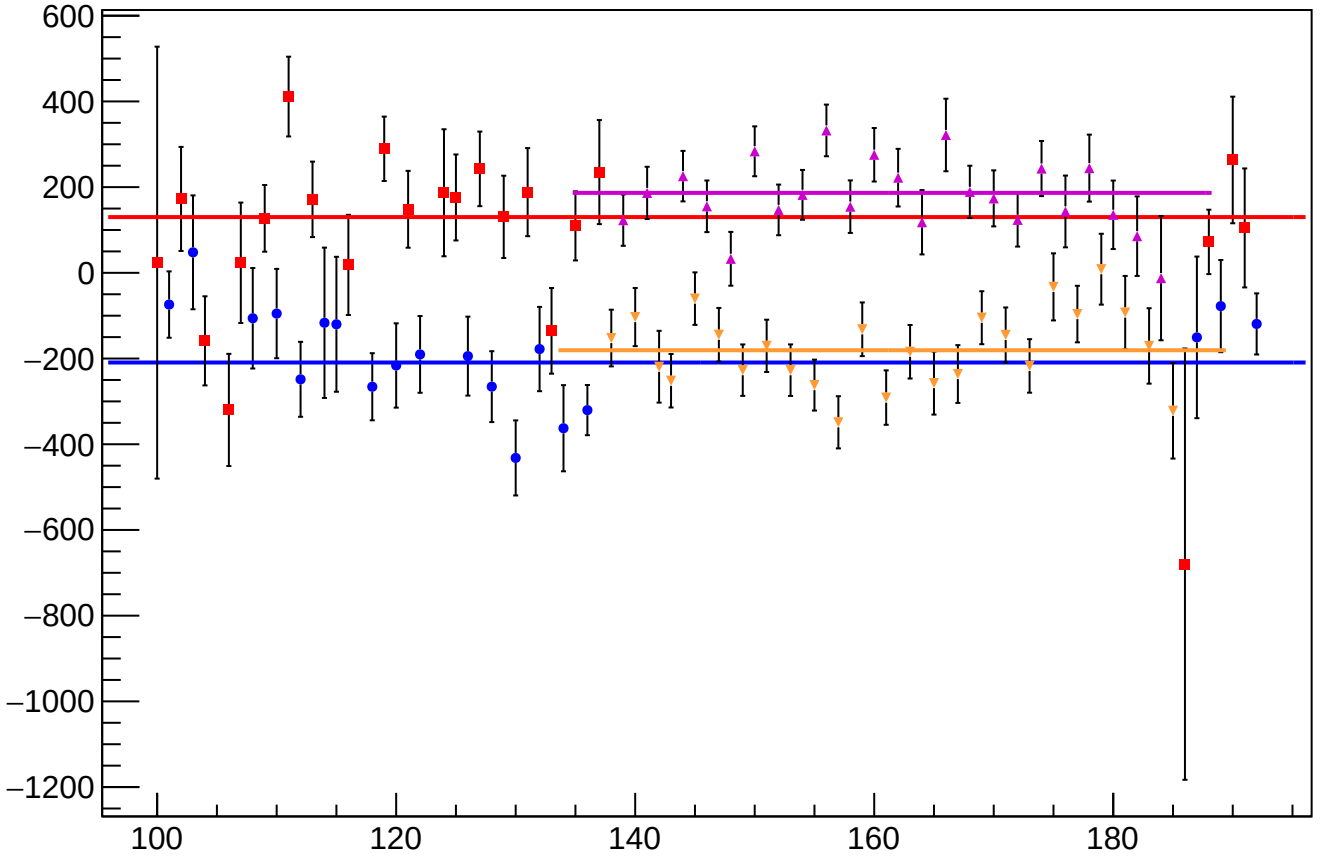
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7484515.0/43

All: 0.000+/-0.000 χ^2/NDF: 14406503.5/89

- sign 0.000+/-0.000 χ^2/NDF: 6843412.1/45

reg_asym_sam8_mean vs Slug



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

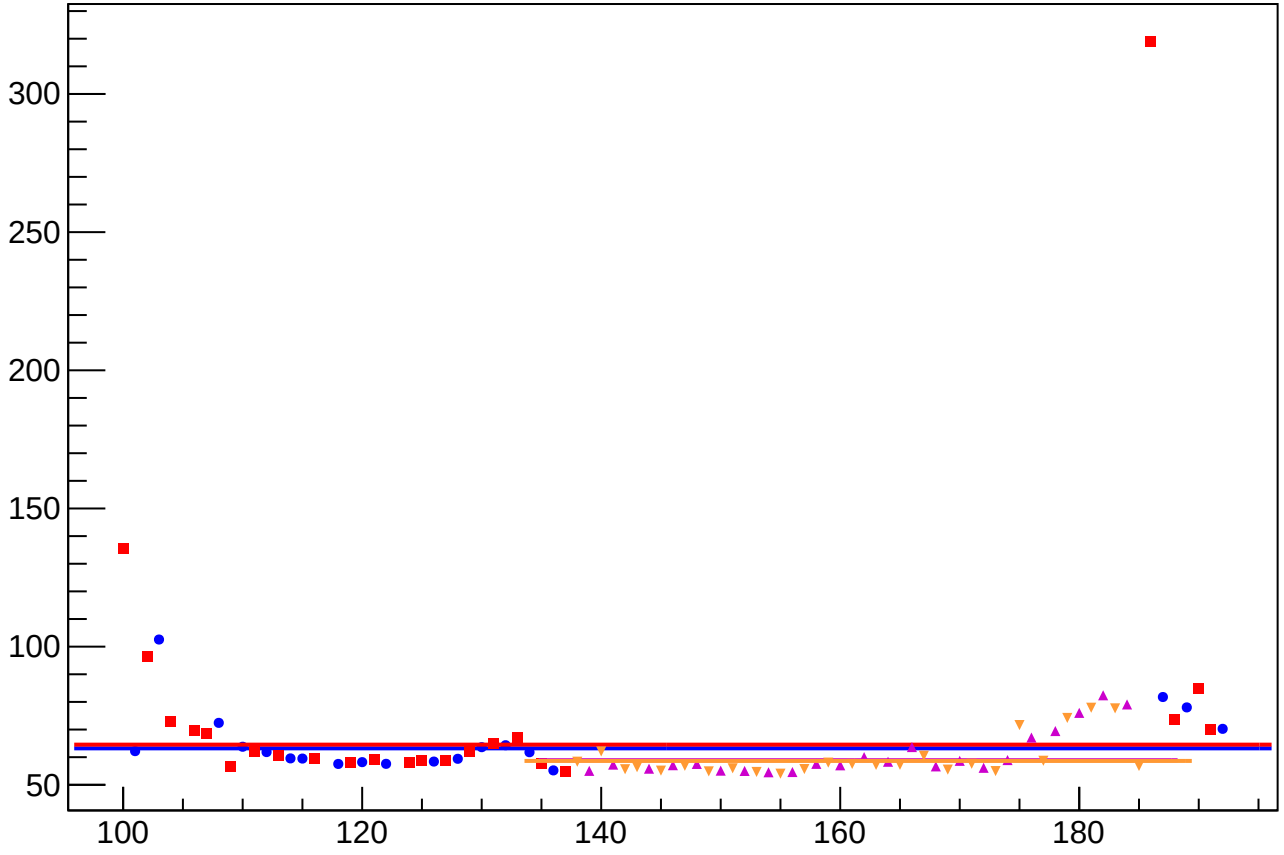
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

\+ sign -188.748+/-11.370 χ^2/NDF: 66.2/43

All: -13.977+/-8.143 χ^2/NDF: 634.6/89

\- sign 170.129+/-11.669 χ^2/NDF: 83.2/45

reg_asym_sam8_rms vs Slug



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

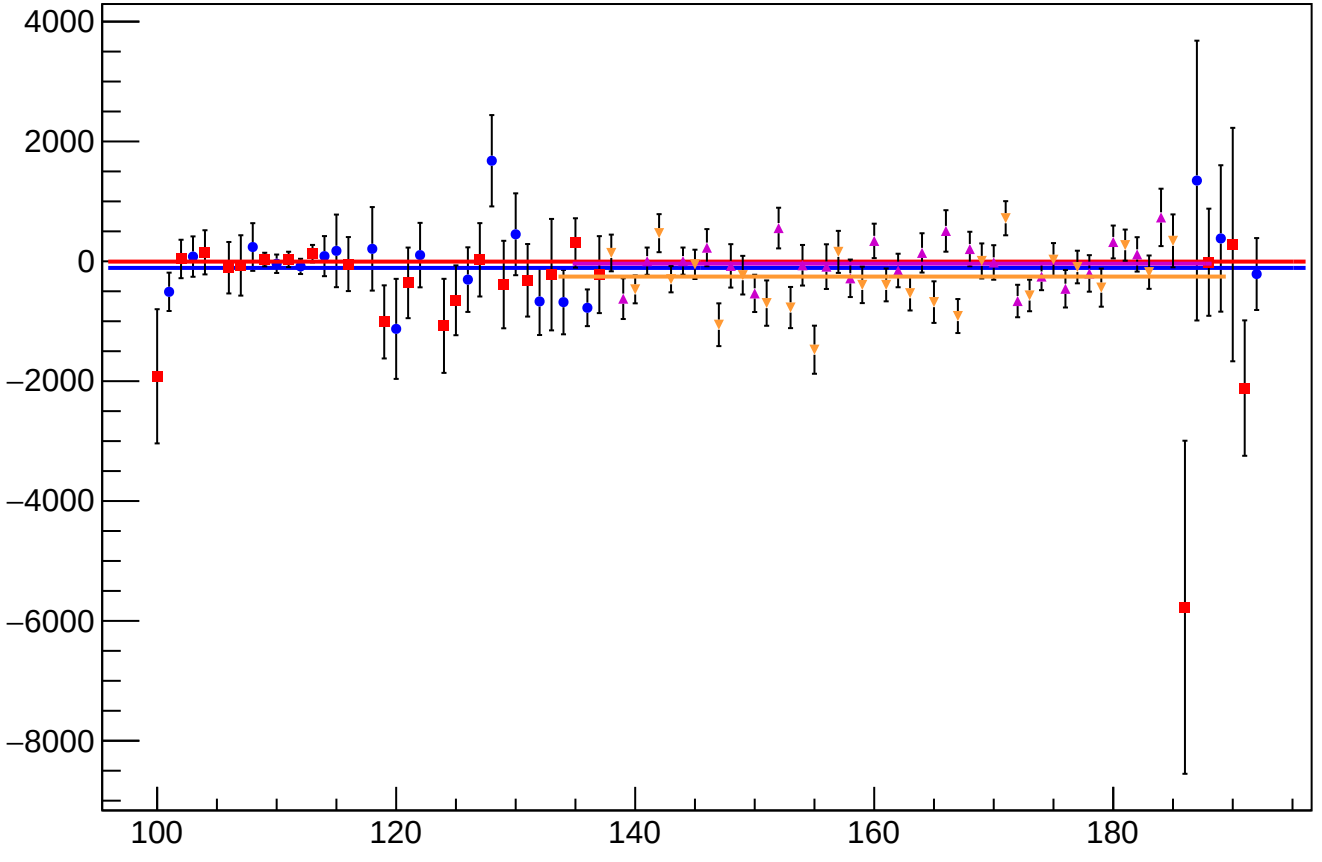
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.927+/-0.008 χ^2/NDF: 797272.3/43

All: 60.228+/-0.006 χ^2/NDF: 2161691.6/89

- sign 60.546+/-0.008 χ^2/NDF: 1361535.9/45

asym_sam8_reg_correction_mean vs Slug



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

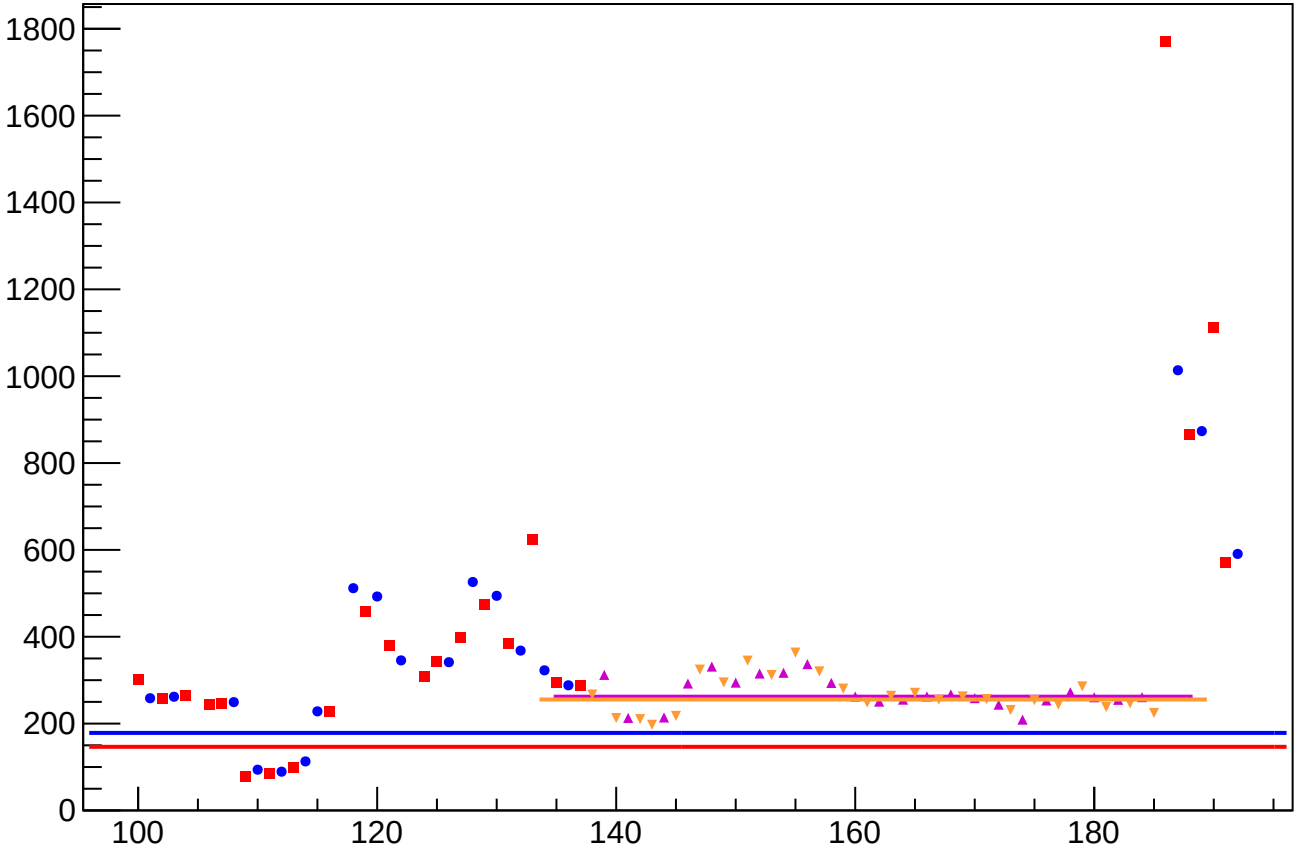
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -199.889+/-46.410 χ^2/NDF: 79.0/43

All: -107.126+/-32.067 χ^2/NDF: 134.6/89

- sign -22.382+/-44.358 χ^2/NDF: 48.0/45

asym_sam8_reg_correction_rms vs Slug



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

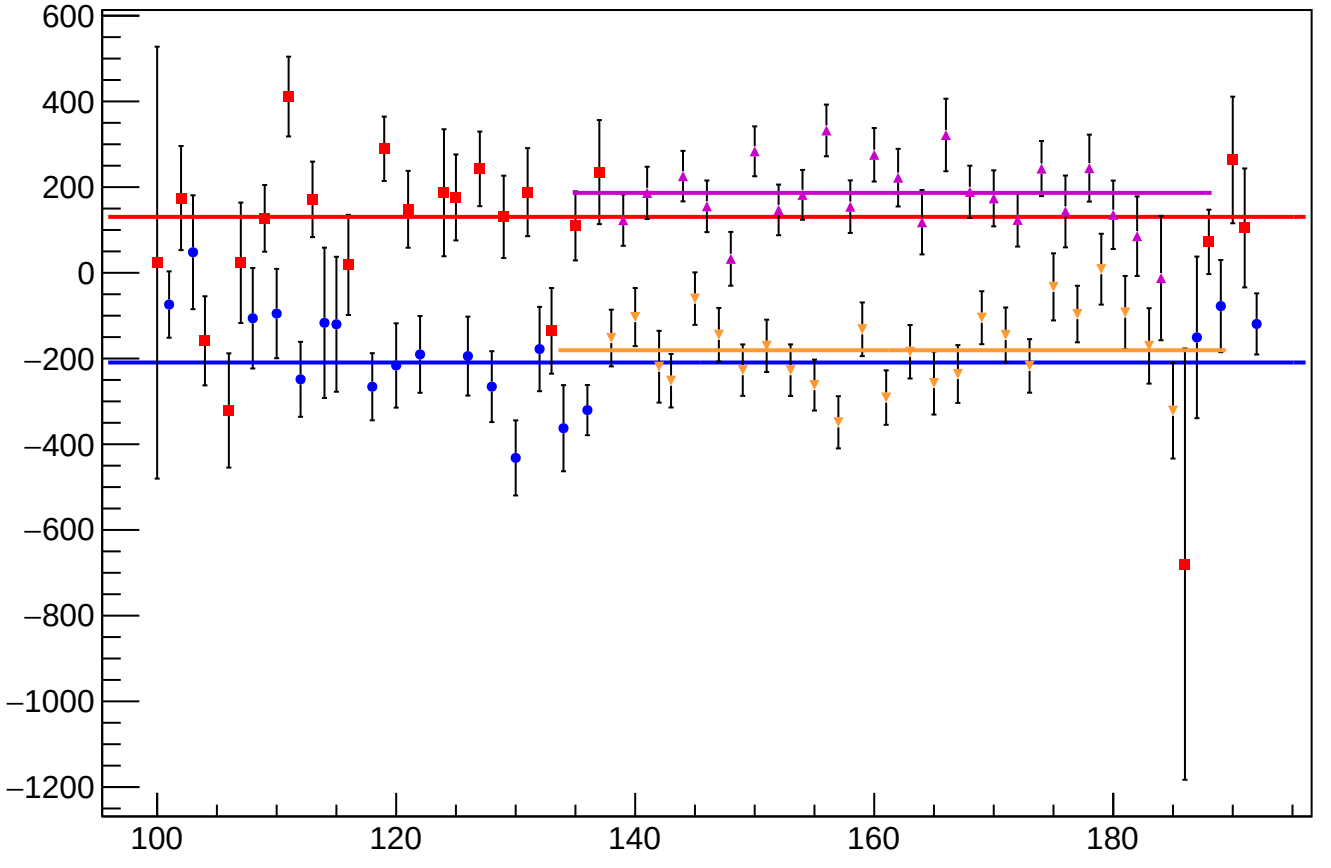
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 226.353+/-0.033 χ^2/NDF: 8582708.7/43

All: 215.648+/-0.023 χ^2/NDF: 20775449.1/89

- sign 205.868+/-0.031 χ^2/NDF: 11989115.4/45

cor_asym_sam8_mean vs Slug



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

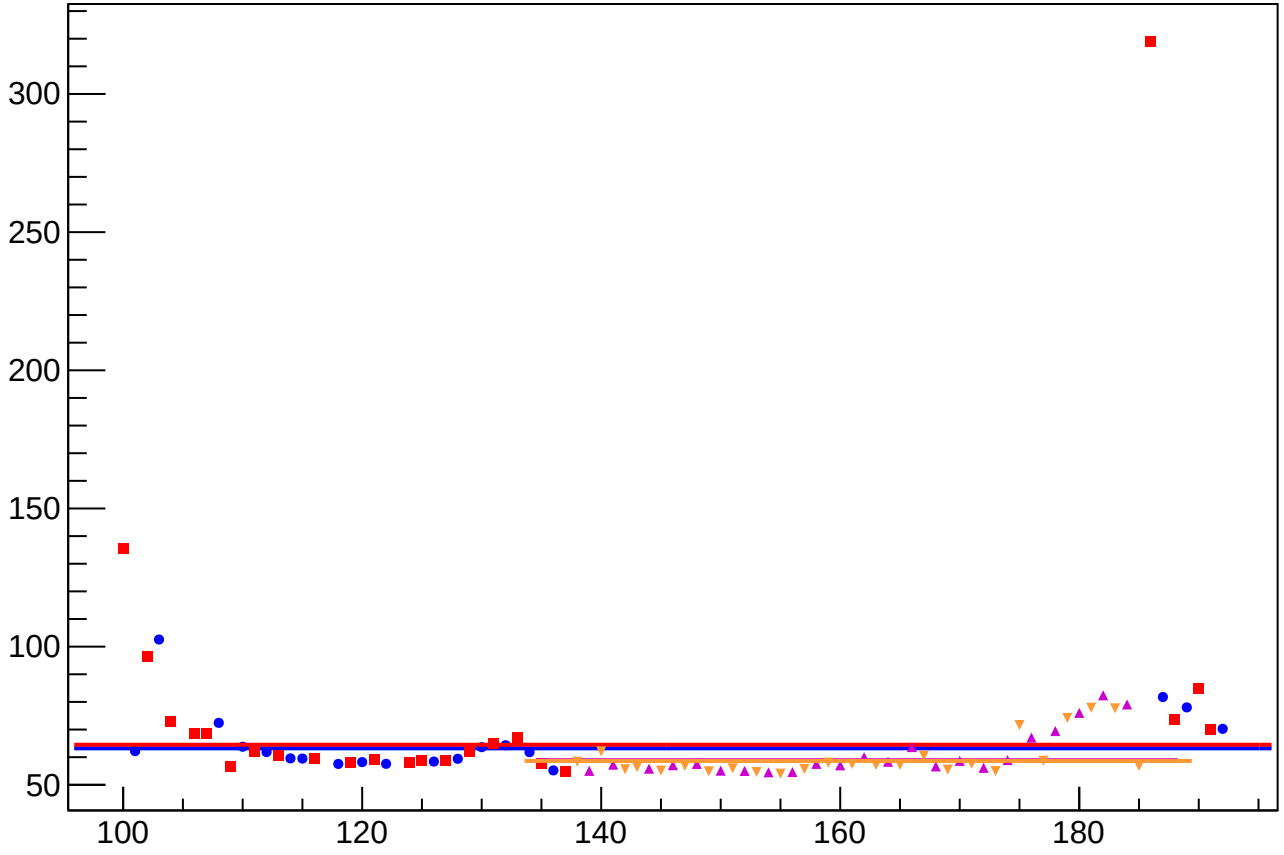
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -188.744+/-11.370 χ^2/NDF: 66.2/43

All: -13.928+/-8.144 χ^2/NDF: 634.4/89

- sign 170.279+/-11.671 χ^2/NDF: 82.7/45

cor_asym_sam8_rms vs Slug



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

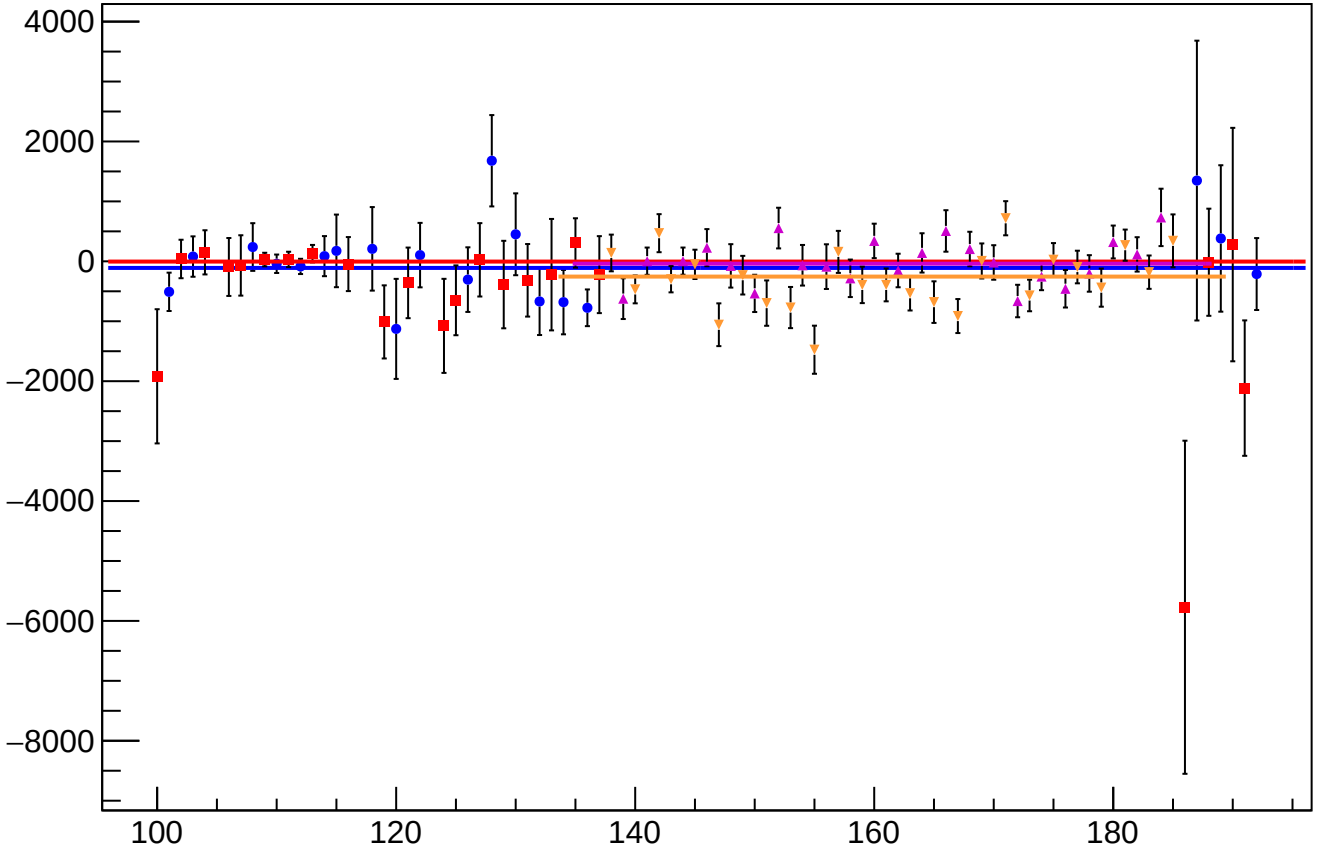
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.927+/-0.008 χ^2/NDF: 797274.9/43

All: 60.223+/-0.006 χ^2/NDF: 2159219.8/89

- sign 60.534+/-0.008 χ^2/NDF: 1359167.7/45

asym_sam8_cor_correction_mean vs Slug



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

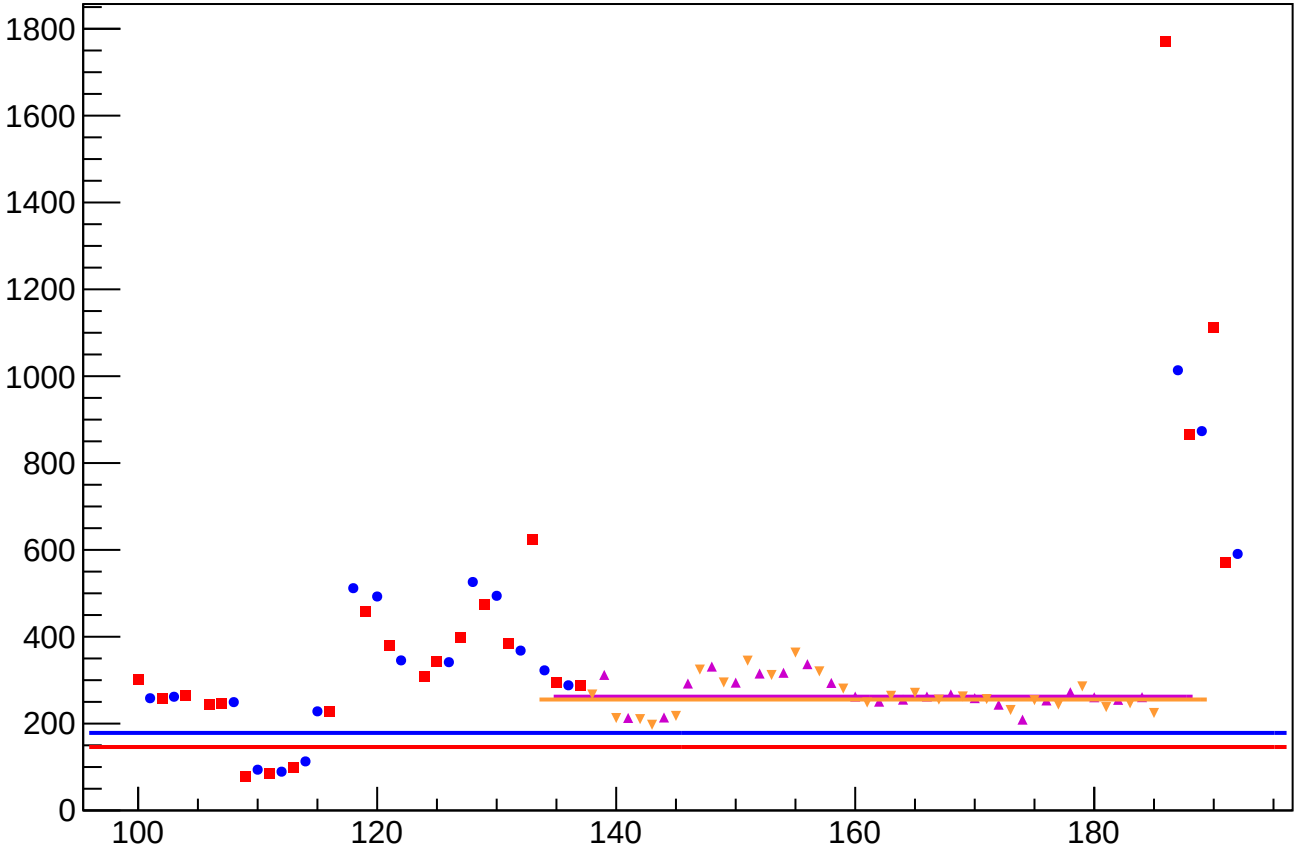
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -199.881+/-46.410 χ^2/NDF: 79.0/43

All: -107.074+/-32.086 χ^2/NDF: 134.6/89

- sign -22.096+/-44.409 χ^2/NDF: 48.0/45

asym_sam8_cor_correction_rms vs Slug



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

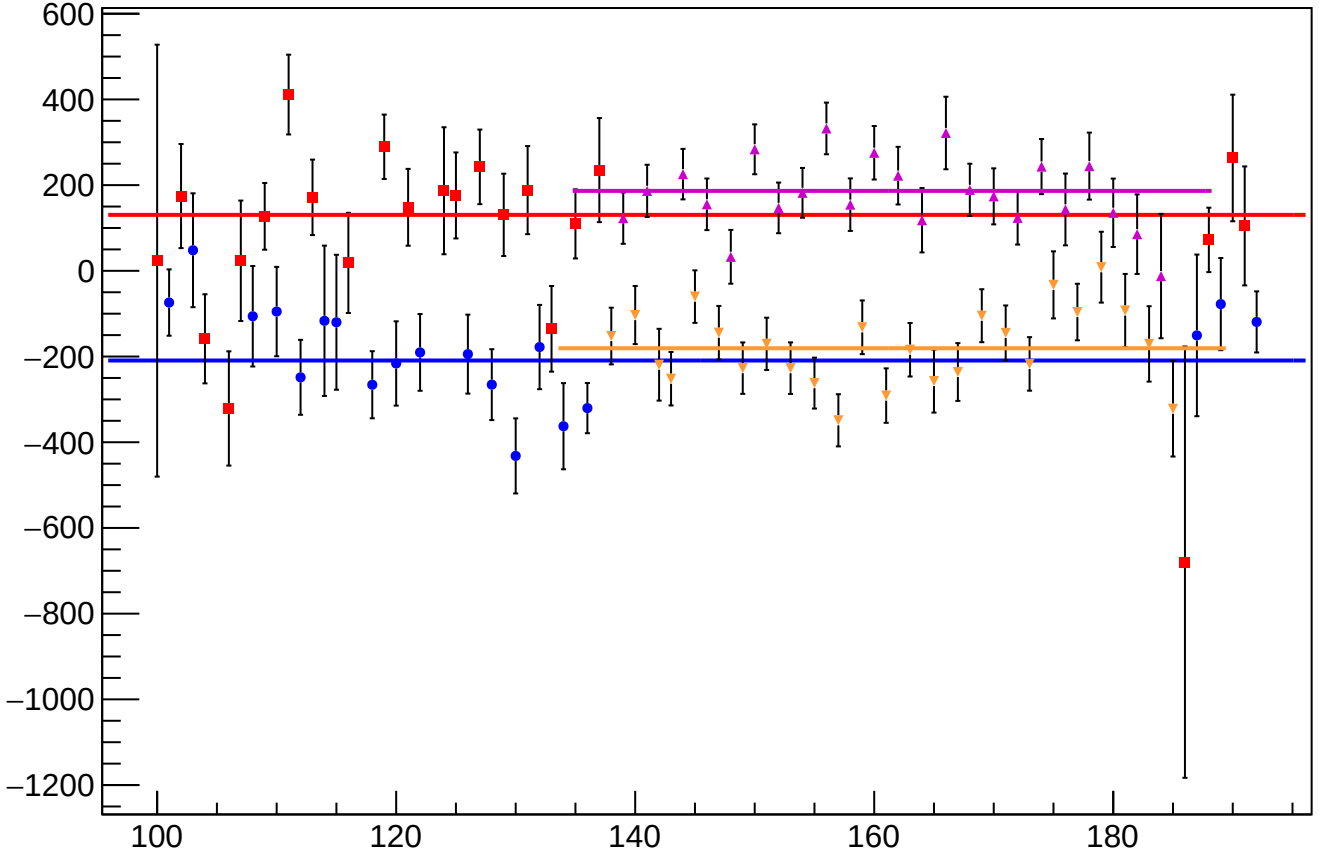
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 226.353+/-0.033 χ^2/NDF: 8582736.0/43

All: 215.616+/-0.023 χ^2/NDF: 20774235.7/89

- sign 205.785+/-0.031 χ^2/NDF: 11986439.7/45

eigen_cor_asym_sam8_mean vs Slug



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

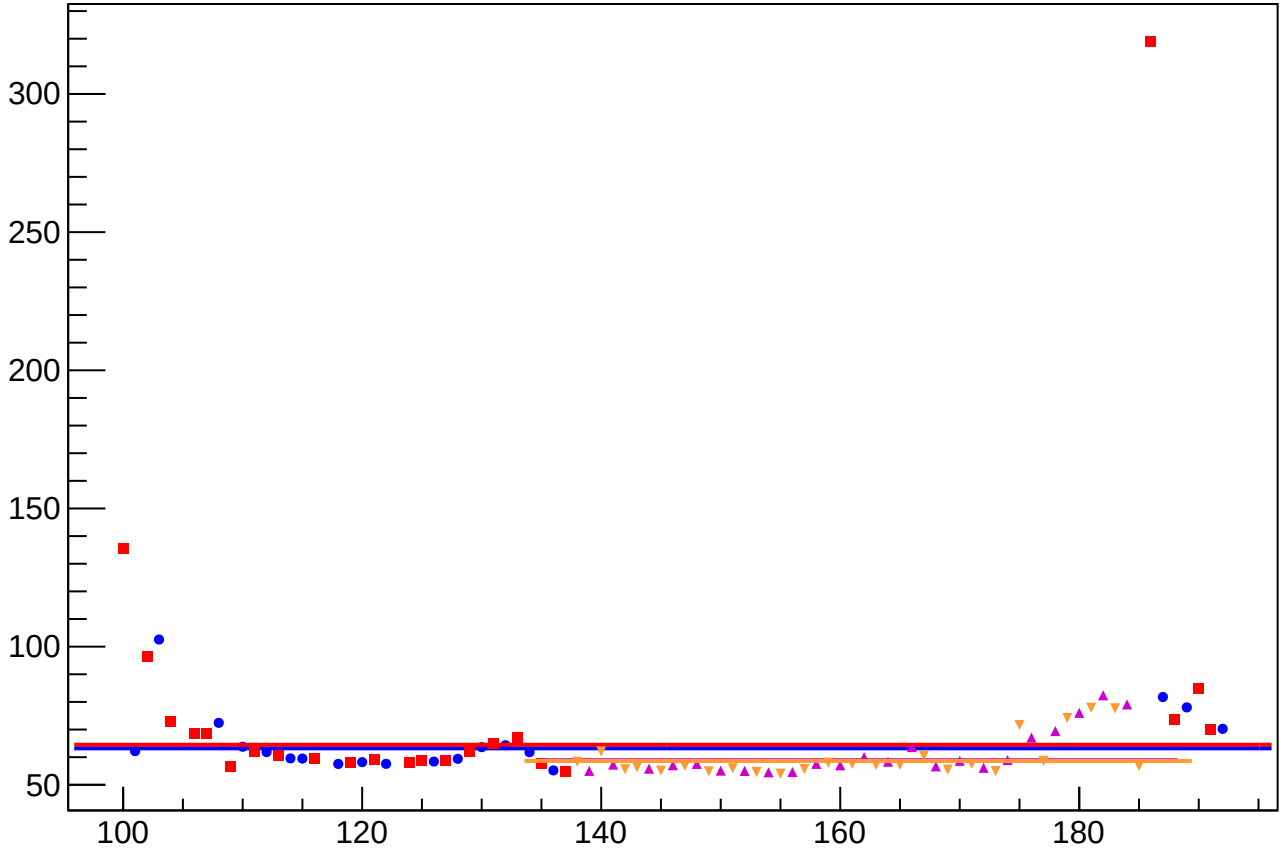
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -188.744+/-11.370 χ^2/NDF: 66.2/43

All: -13.928+/-8.144 χ^2/NDF: 634.4/89

- sign 170.279+/-11.671 χ^2/NDF: 82.7/45

eigen_cor_asym_sam8_rms vs Slug



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

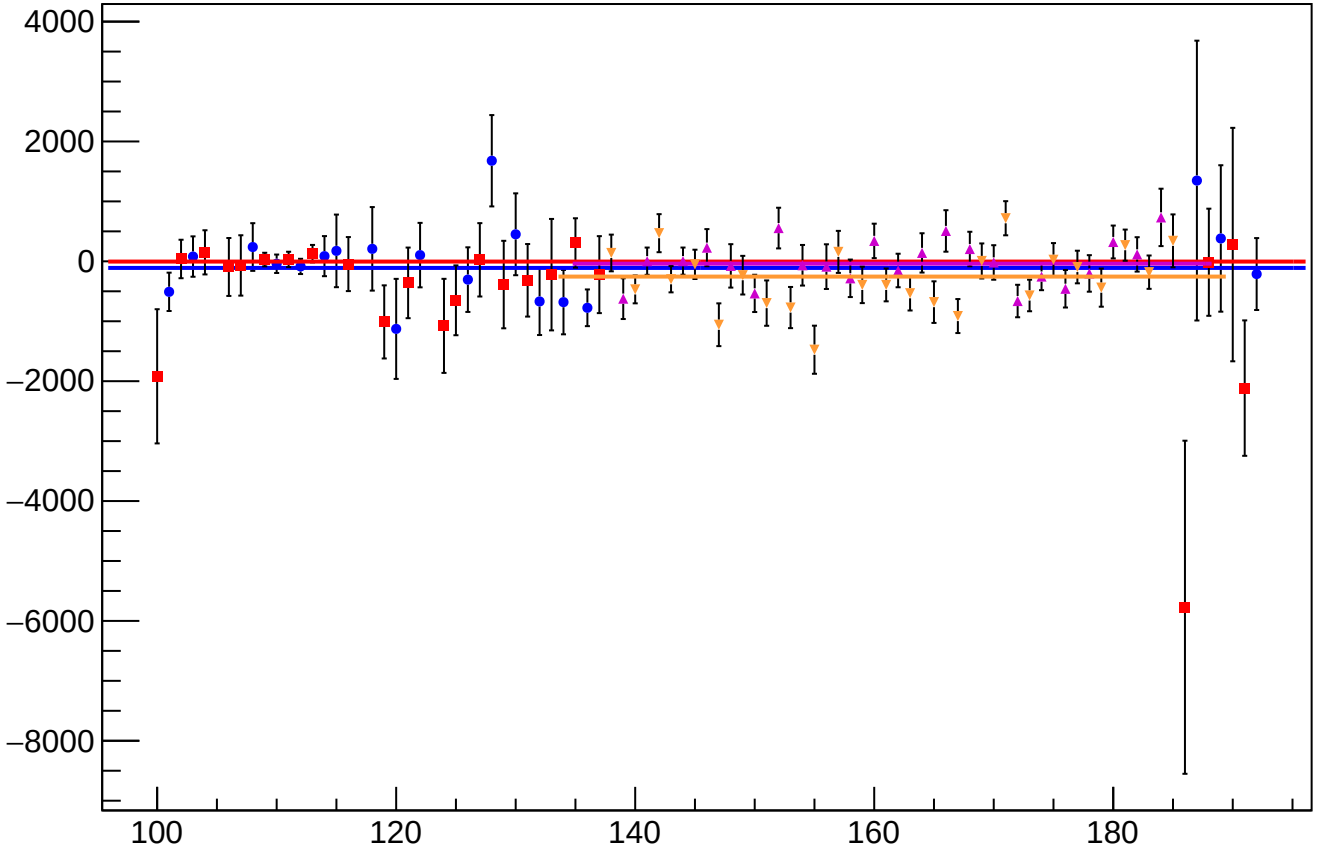
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.927+/-0.008 χ^2/NDF: 797274.9/43

All: 60.223+/-0.006 χ^2/NDF: 2159219.8/89

- sign 60.534+/-0.008 χ^2/NDF: 1359167.7/45

asym_sam8_eigen_cor_correction_mean vs Slug



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

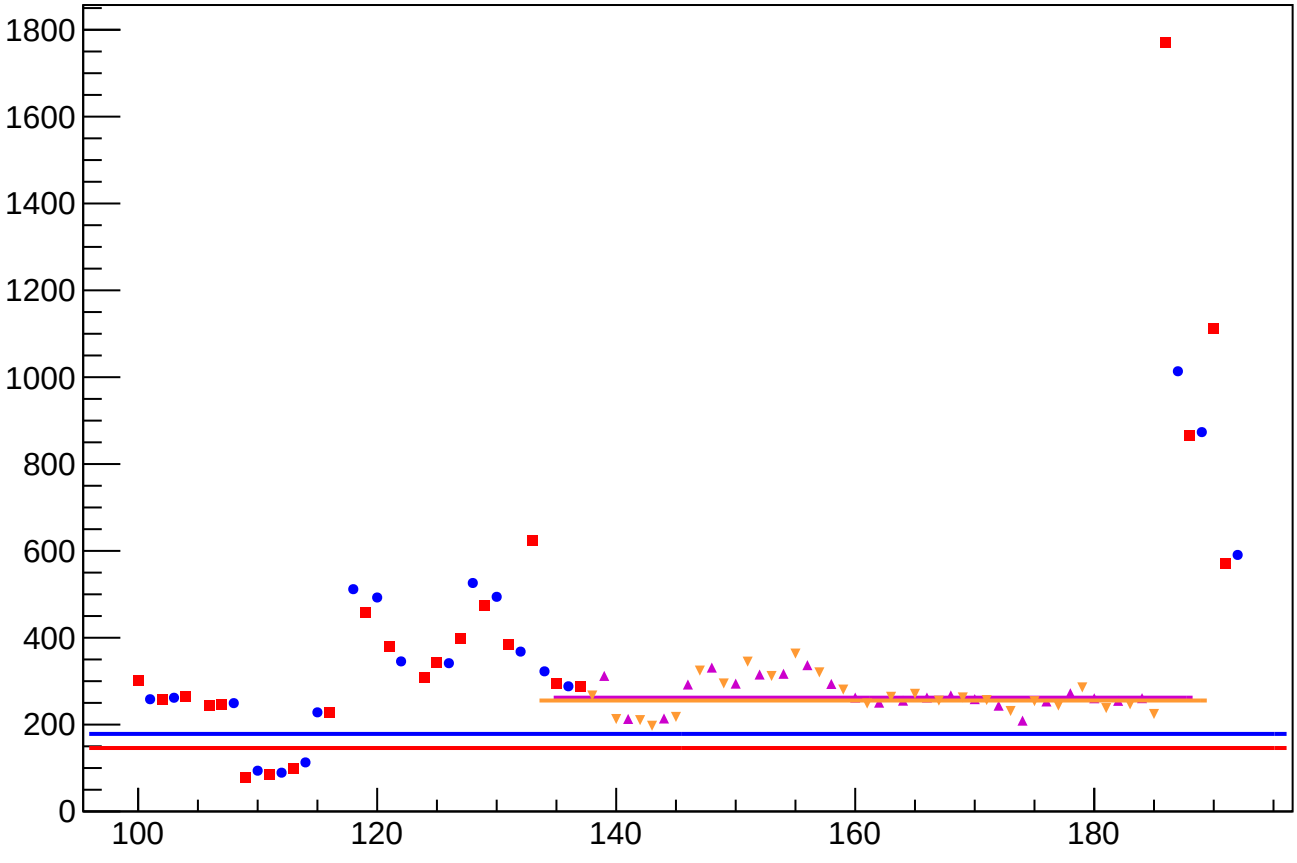
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -199.881+/-46.410 χ^2/NDF: 79.0/43

All: -107.074+/-32.086 χ^2/NDF: 134.6/89

- sign -22.096+/-44.409 χ^2/NDF: 48.0/45

asym_sam8_eigen_cor_correction_rms vs Slug



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

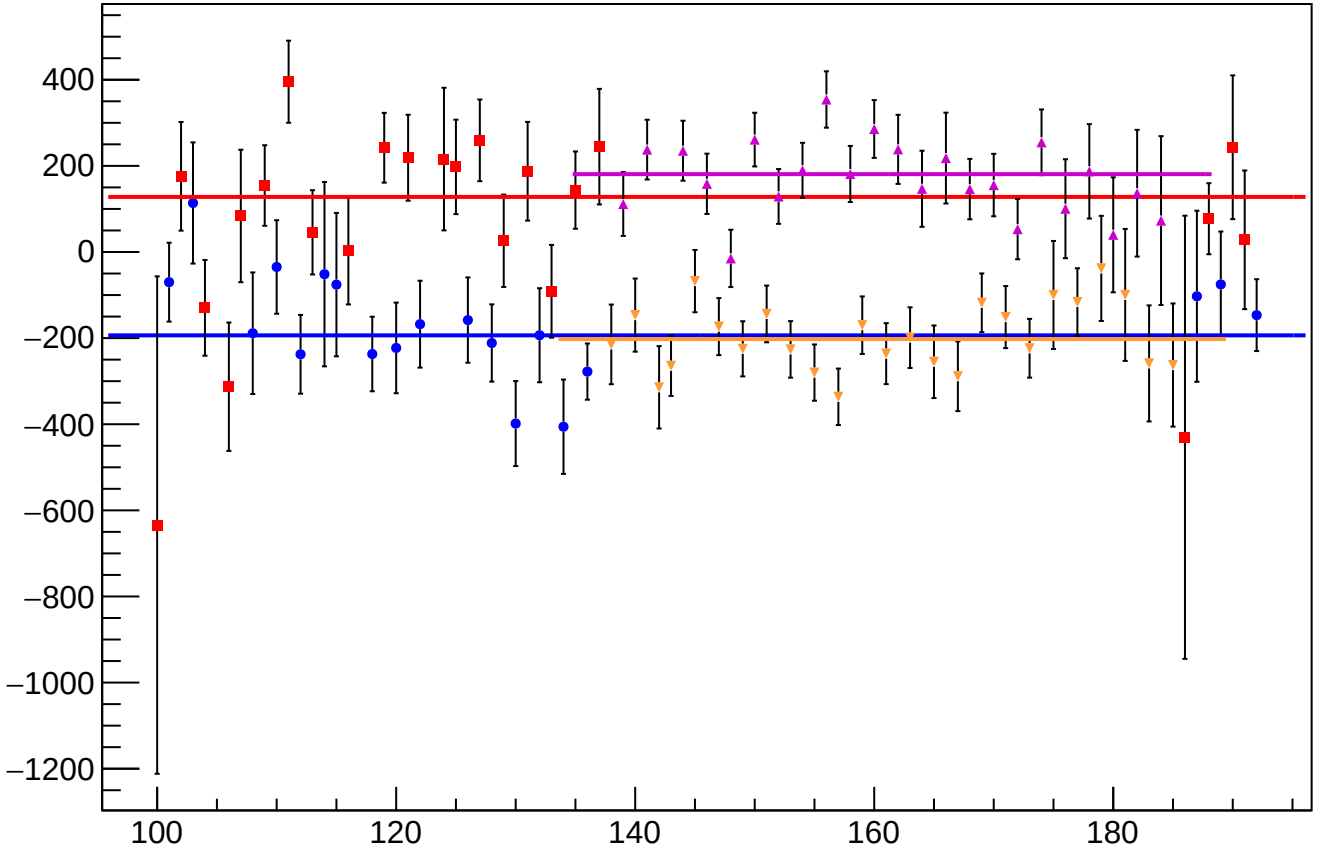
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 226.353+/-0.033 χ^2/NDF: 8582736.0/43

All: 215.616+/-0.023 χ^2/NDF: 20774235.7/89

- sign 205.785+/-0.031 χ^2/NDF: 11986439.7/45

dit_asym_sam8_mean vs Slug



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

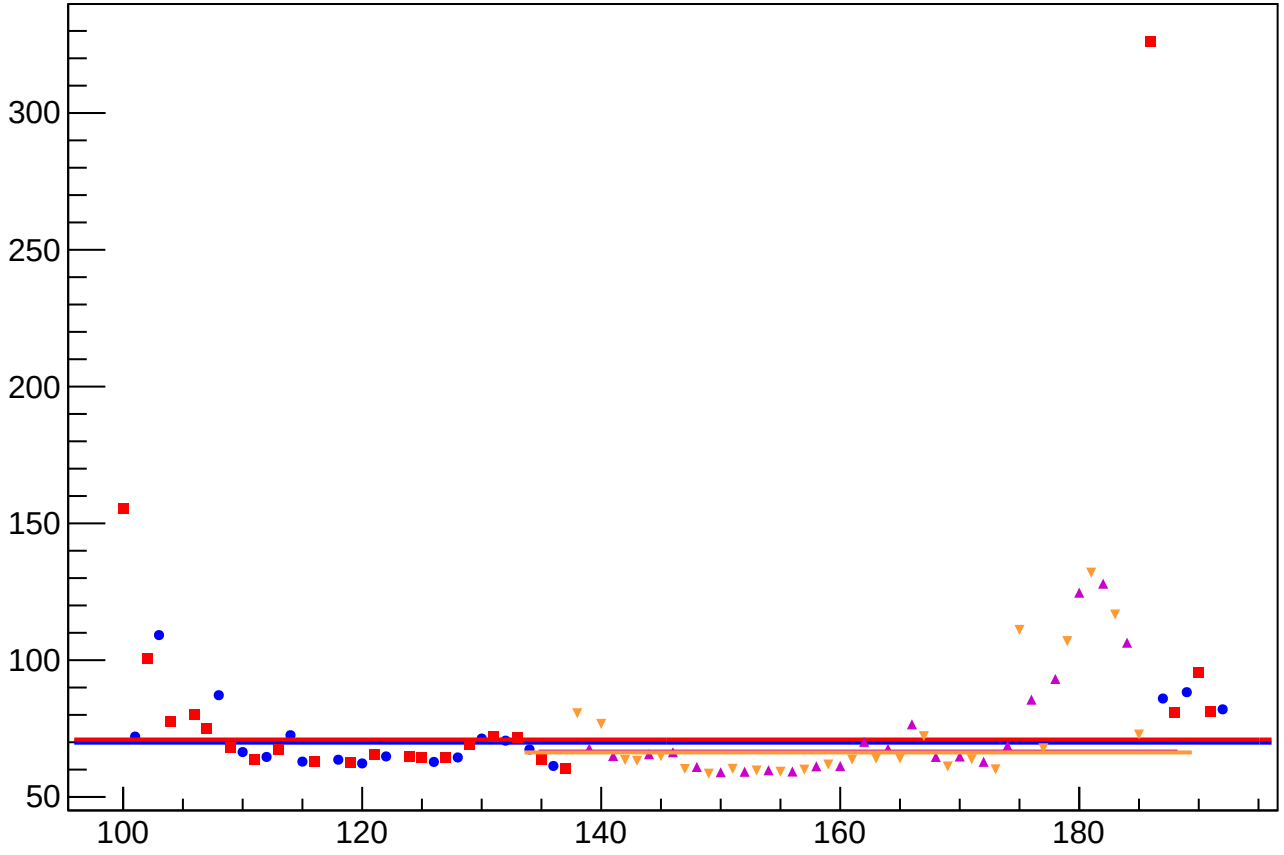
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -199.543+/-13.005 χ^2/NDF: 43.2/43

All: -21.554+/-9.295 χ^2/NDF: 499.4/89

- sign 164.304+/-13.290 χ^2/NDF: 73.2/45

dit_asym_sam8_rms vs Slug



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

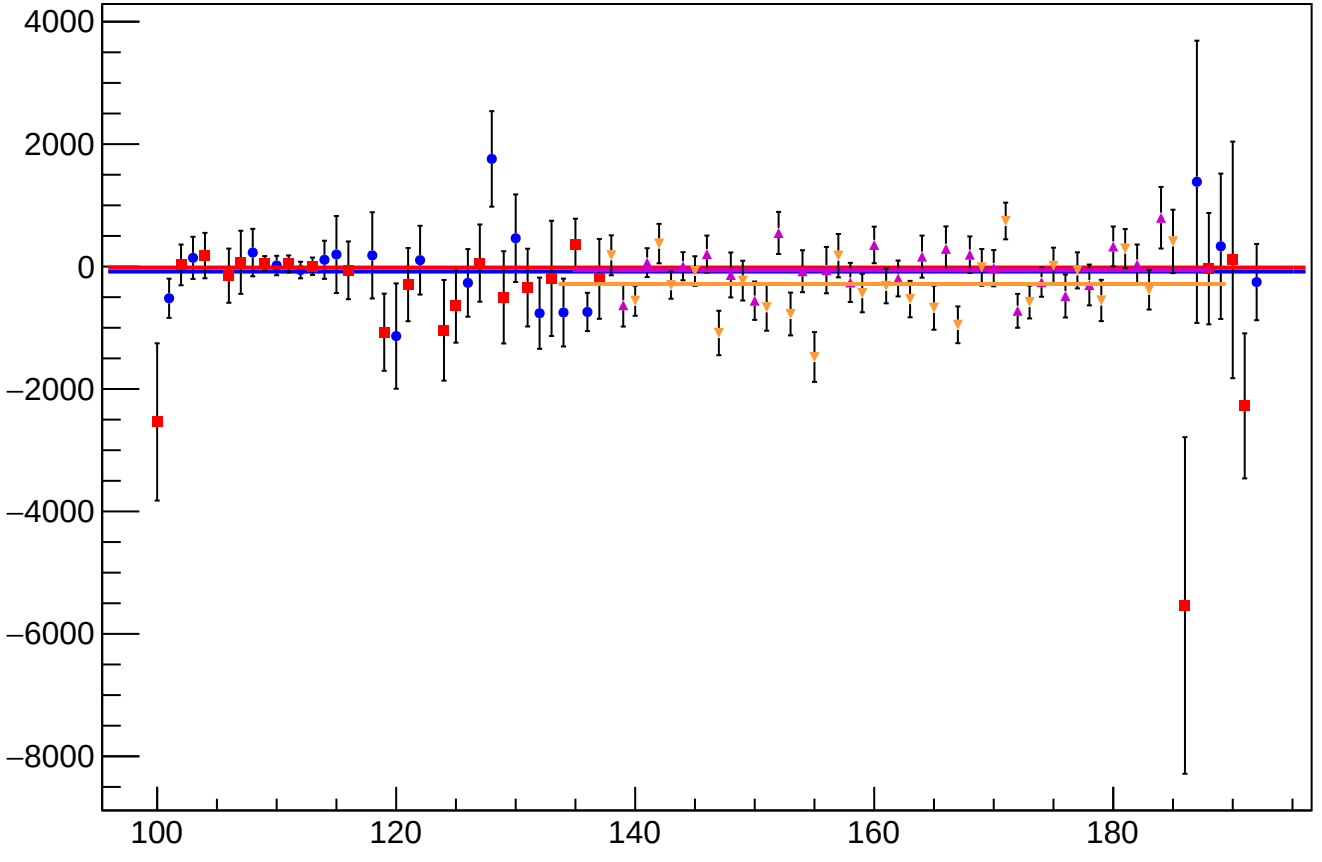
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 67.348+/-0.009 χ^2/NDF: 1804950.6/43

All: 67.649+/-0.007 χ^2/NDF: 3848664.0/89

- sign 67.963+/-0.009 χ^2/NDF: 2041524.7/45

asym_sam8_dit_correction_mean vs Slug



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

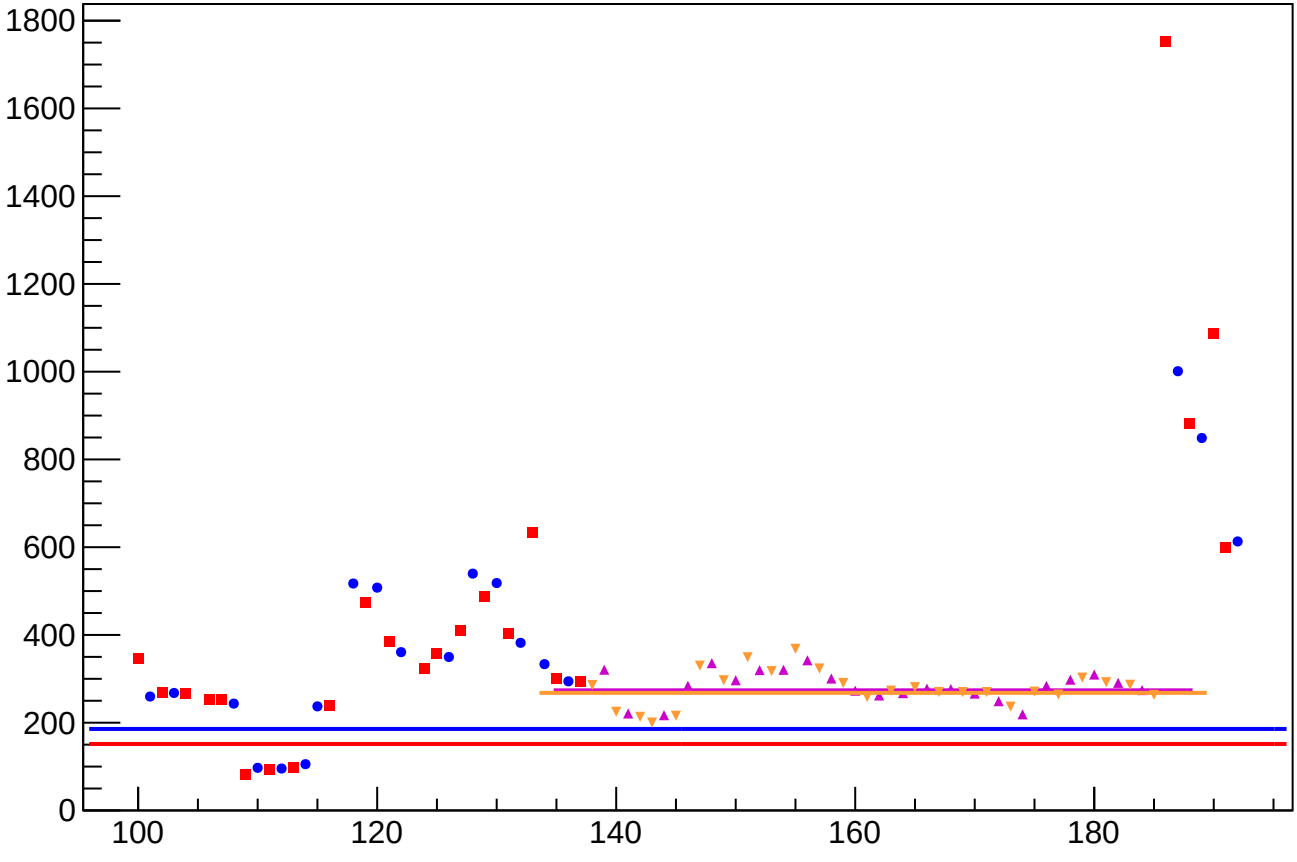
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -206.081+/-48.366 χ^2/NDF: 78.6/43

All: -117.881+/-33.345 χ^2/NDF: 131.7/89

- sign -37.980+/-46.035 χ^2/NDF: 46.8/45

asym_sam8_dit_correction_rms vs Slug



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

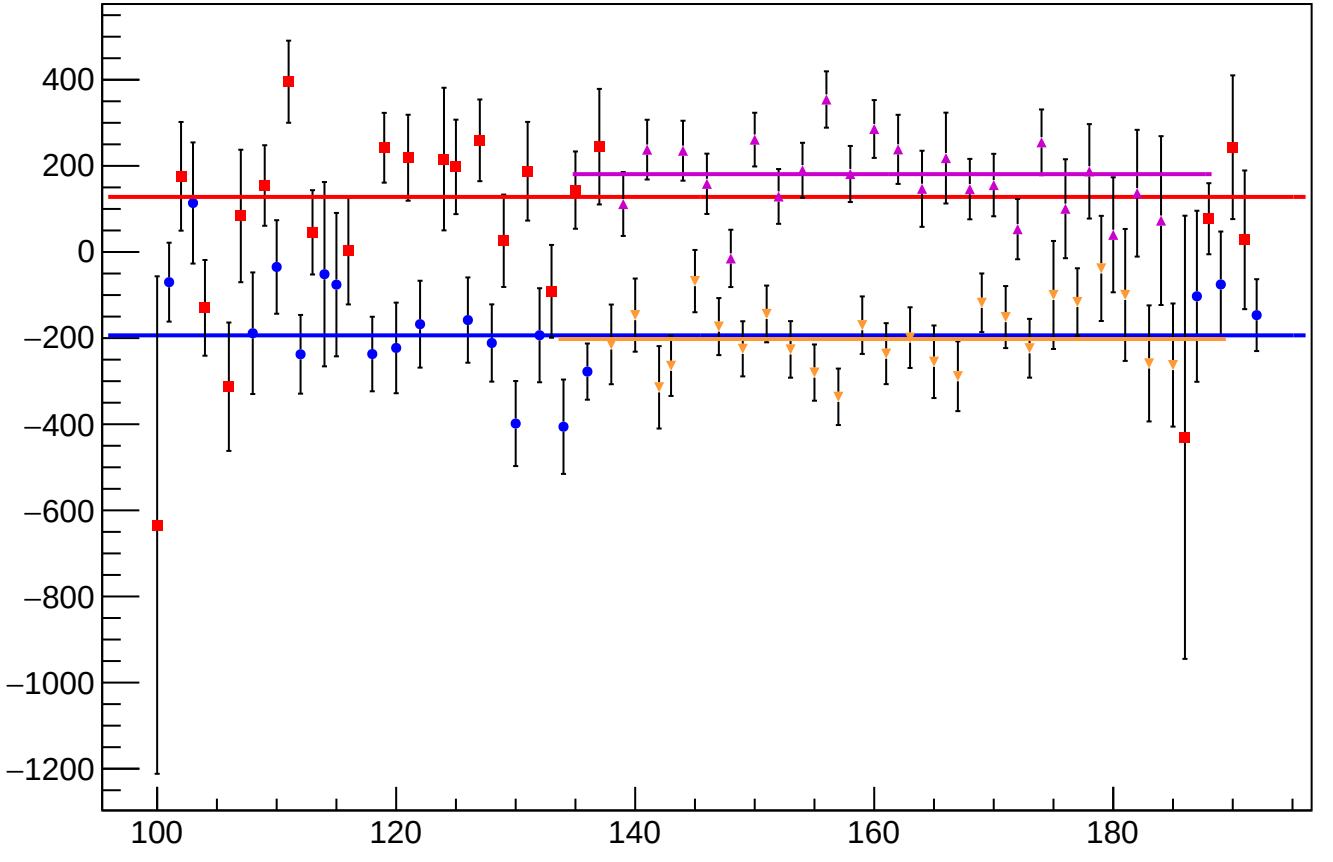
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 236.248+/-0.034 χ^2/NDF: 8512992.6/43

All: 224.321+/-0.024 χ^2/NDF: 20801754.8/89

- sign 213.516+/-0.033 χ^2/NDF: 12056966.4/45

eigen_dit_asym_sam8_mean vs Slug



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

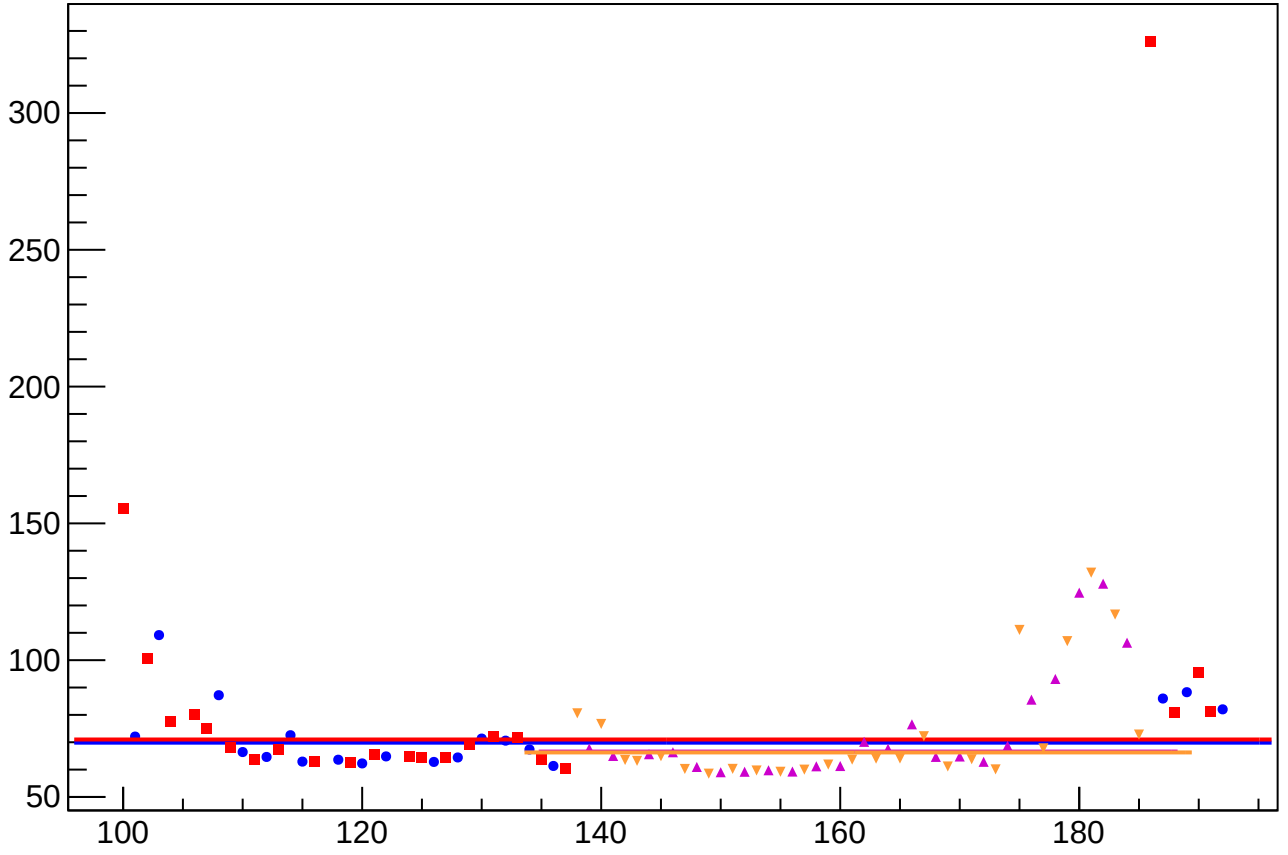
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -199.542+/-13.005 χ^2/NDF: 43.2/43

All: -21.553+/-9.295 χ^2/NDF: 499.4/89

- sign 164.305+/-13.290 χ^2/NDF: 73.2/45

eigen_dit_asym_sam8_rms vs Slug



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

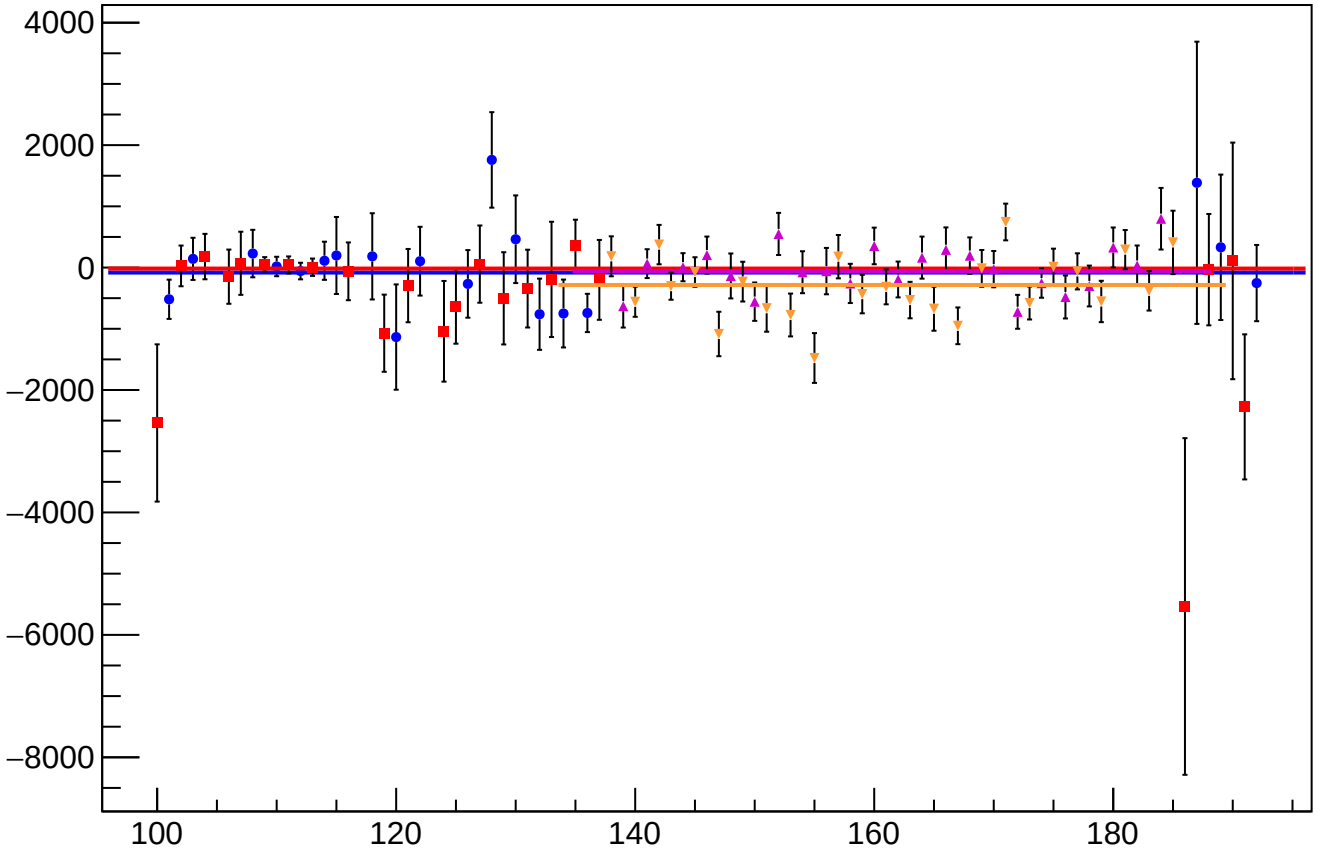
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 67.348+/-0.009 χ^2/NDF: 1804951.1/43

All: 67.649+/-0.007 χ^2/NDF: 3848653.3/89

- sign 67.963+/-0.009 χ^2/NDF: 2041513.5/45

asym_sam8_eigen_dit_correction_mean vs Slug



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

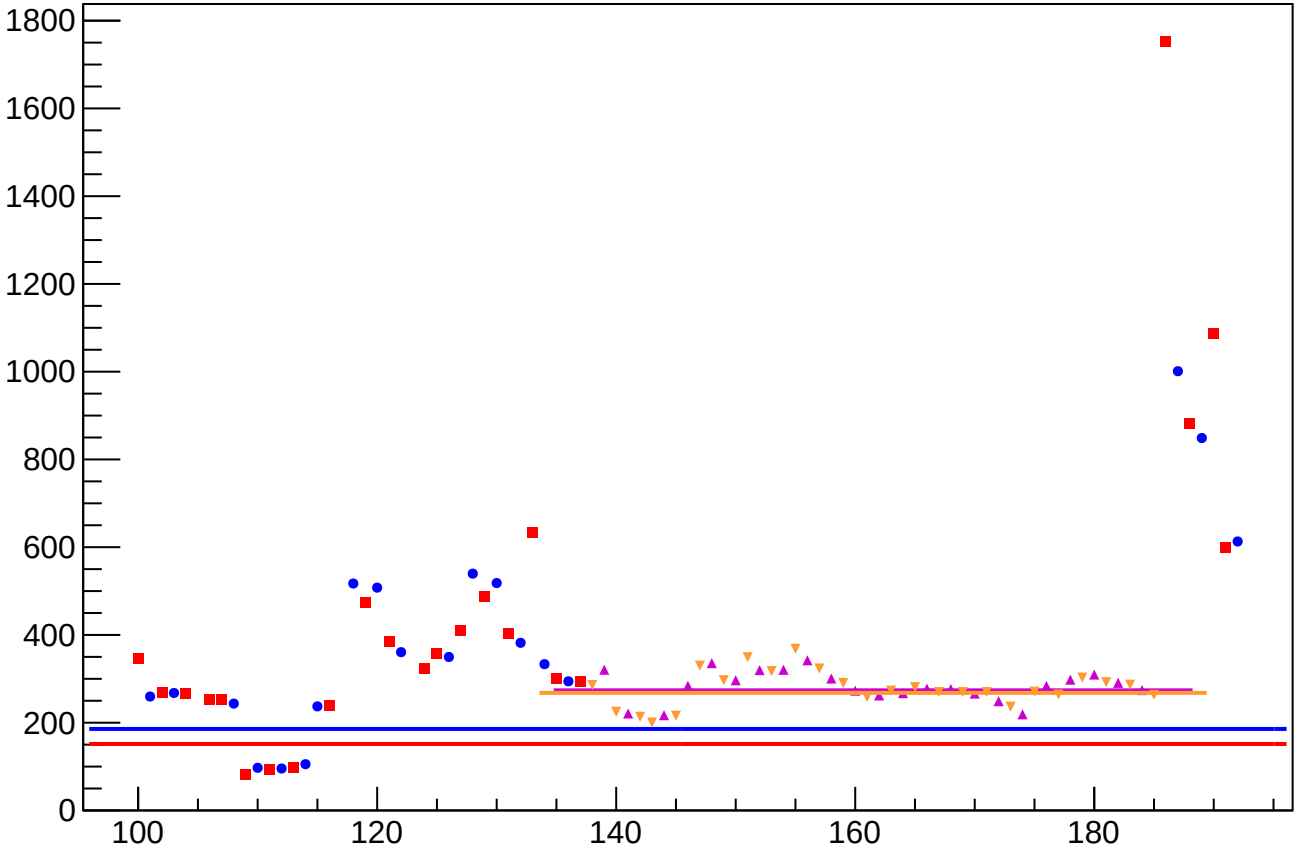
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -206.080+/-48.366 χ^2/NDF: 78.6/43

All: -117.880+/-33.345 χ^2/NDF: 131.7/89

- sign -37.979+/-46.035 χ^2/NDF: 46.8/45

asym_sam8_eigen_dit_correction_rms vs Slug



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

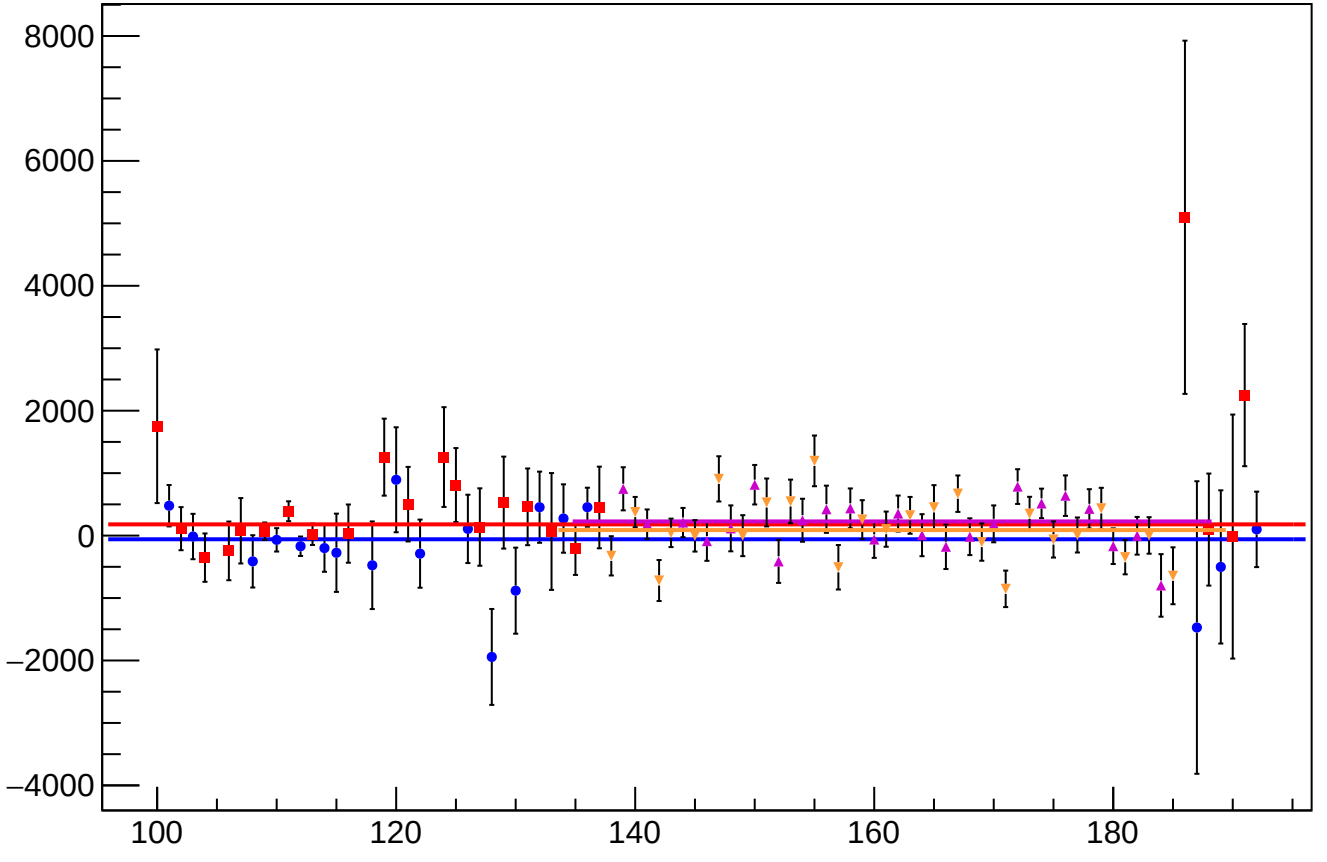
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 236.247+/-0.034 χ^2/NDF: 8513061.4/43

All: 224.320+/-0.024 χ^2/NDF: 20801782.0/89

- sign 213.516+/-0.033 χ^2/NDF: 12056936.5/45

asym_sam8_mean vs Slug



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

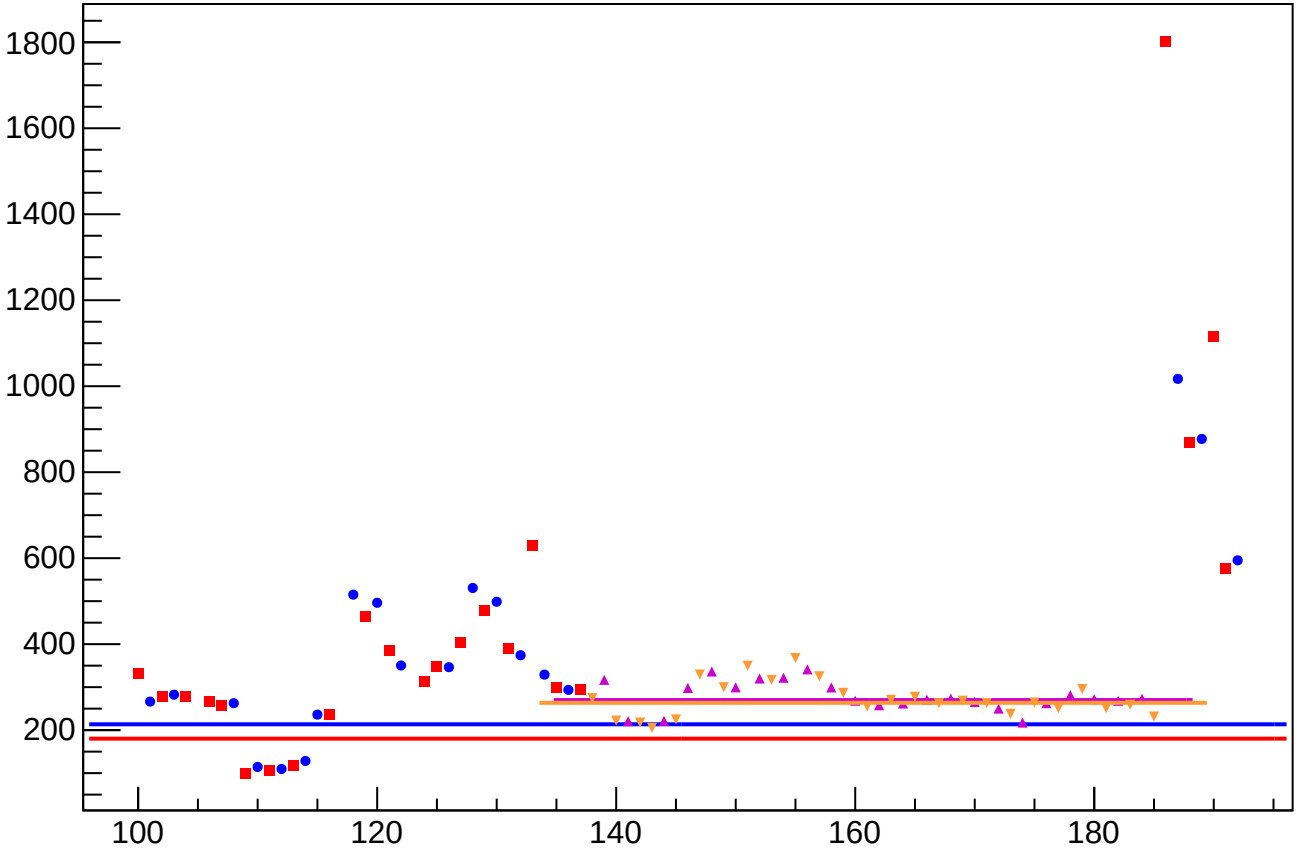
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 39.268+/-49.523 χ^2/NDF: 72.1/43

All: 125.165+/-34.576 χ^2/NDF: 128.9/89

- sign 206.860+/-48.296 χ^2/NDF: 50.9/45

asym_sam8_rms vs Slug



Right In: 213.621+/-0.061 χ^2/NDF: 5229589.7/18

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

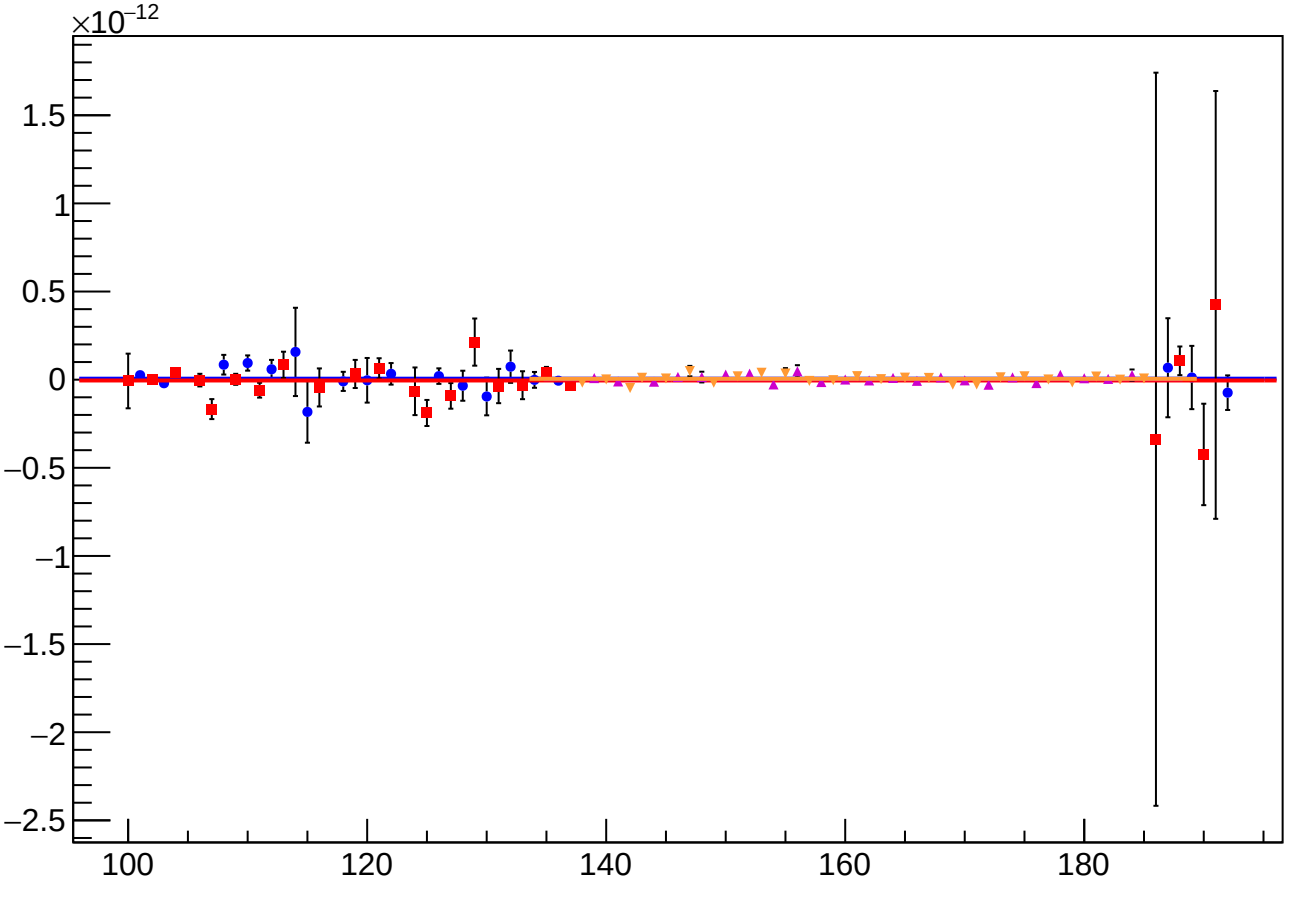
Right Out: 180.211+/-0.052 χ^2/NDF: 6761227.6/22

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 246.921+/-0.035 χ^2/NDF: 6462179.4/43

All: 239.173+/-0.024 χ^2/NDF: 15606382.7/89

- sign 231.803+/-0.034 χ^2/NDF: 9048680.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

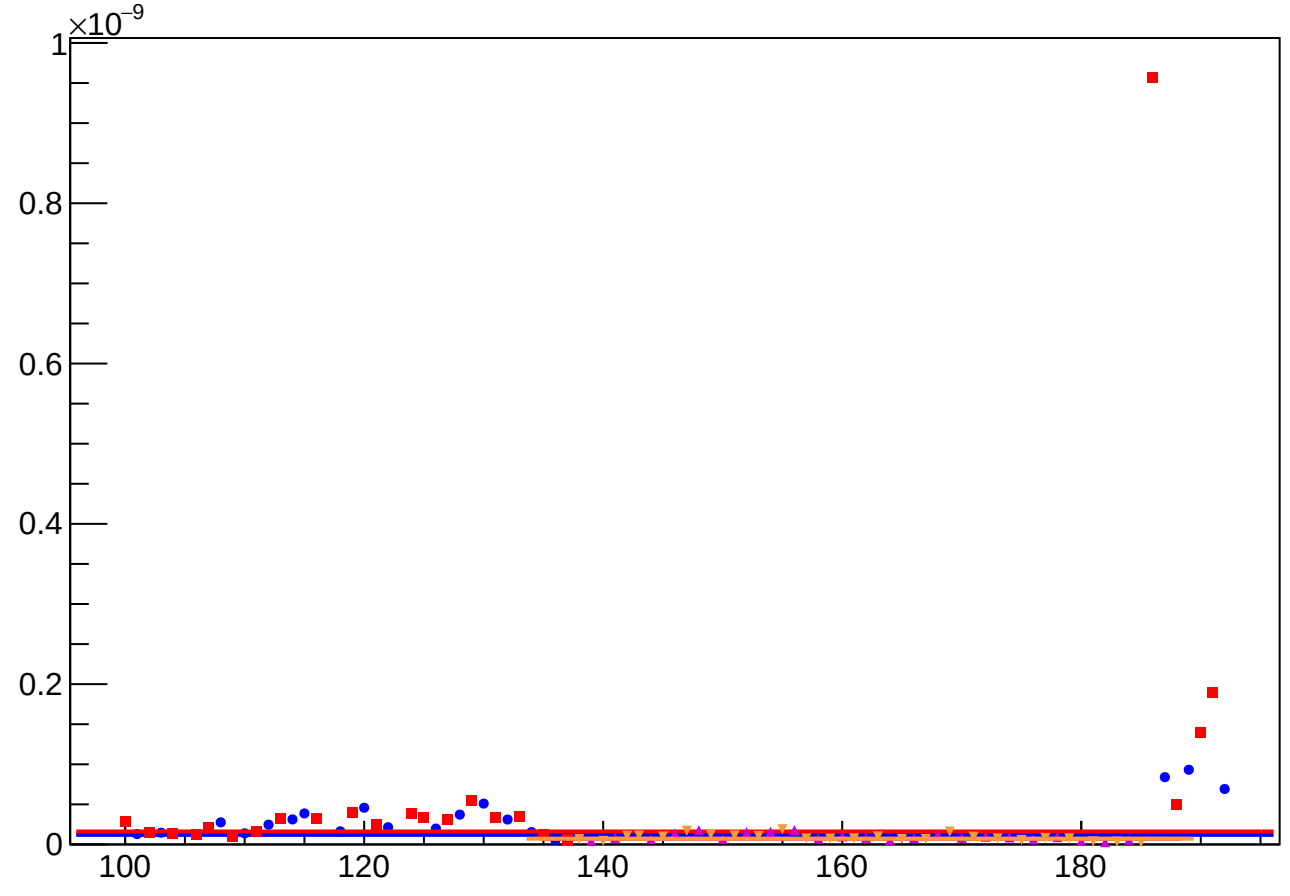
Right Out: -0.000+/-0.000 χ^2/NDF: 34.7/22

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/43

All: 0.000+/-0.000 χ^2/NDF: 99.5/89

- sign 0.000+/-0.000 χ^2/NDF: 56.7/45



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

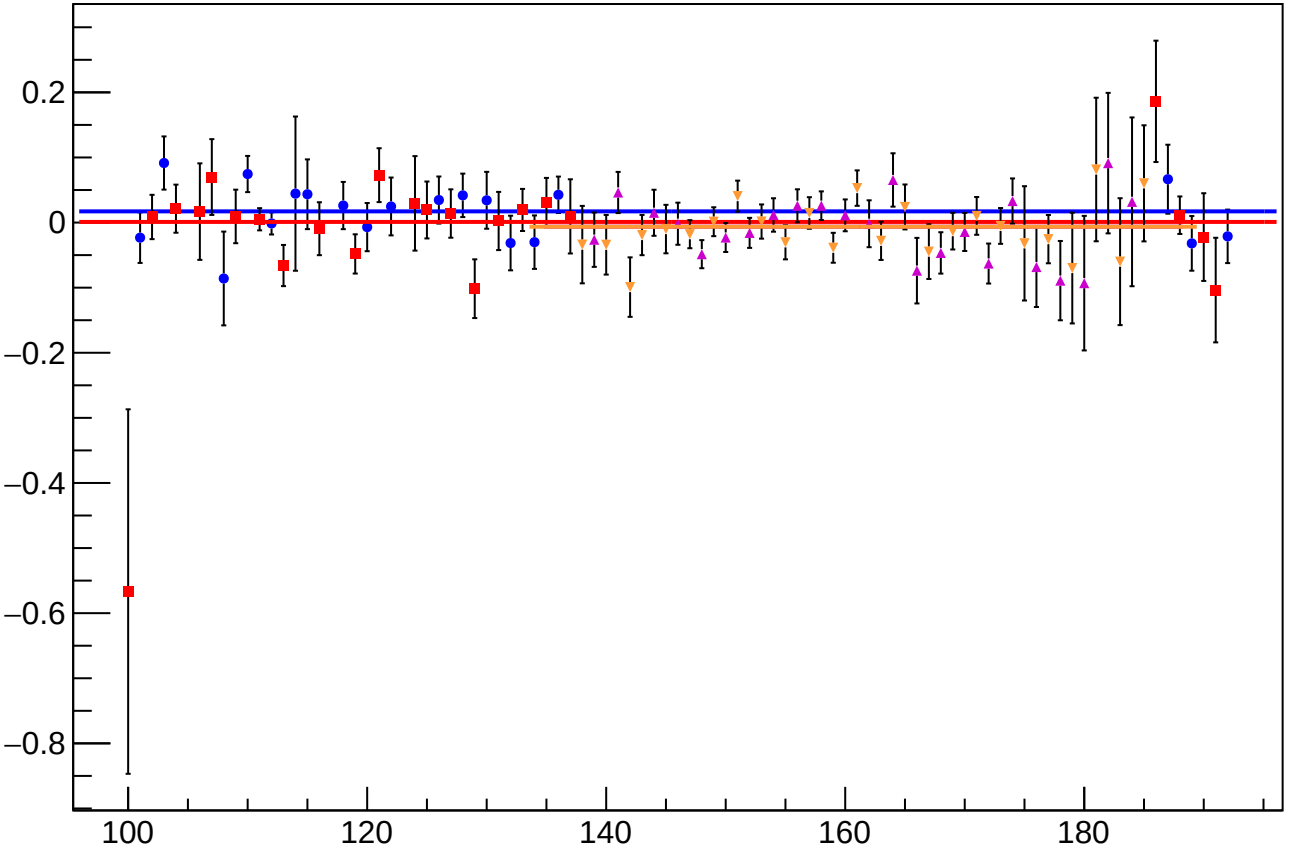
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 5578121.0/43

All: 0.000+/-0.000 χ^2/NDF: 11734350.0/89

- sign 0.000+/-0.000 χ^2/NDF: 6152660.4/45

asym_sam8_dit_vs_cor_diff_mean vs Slug



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

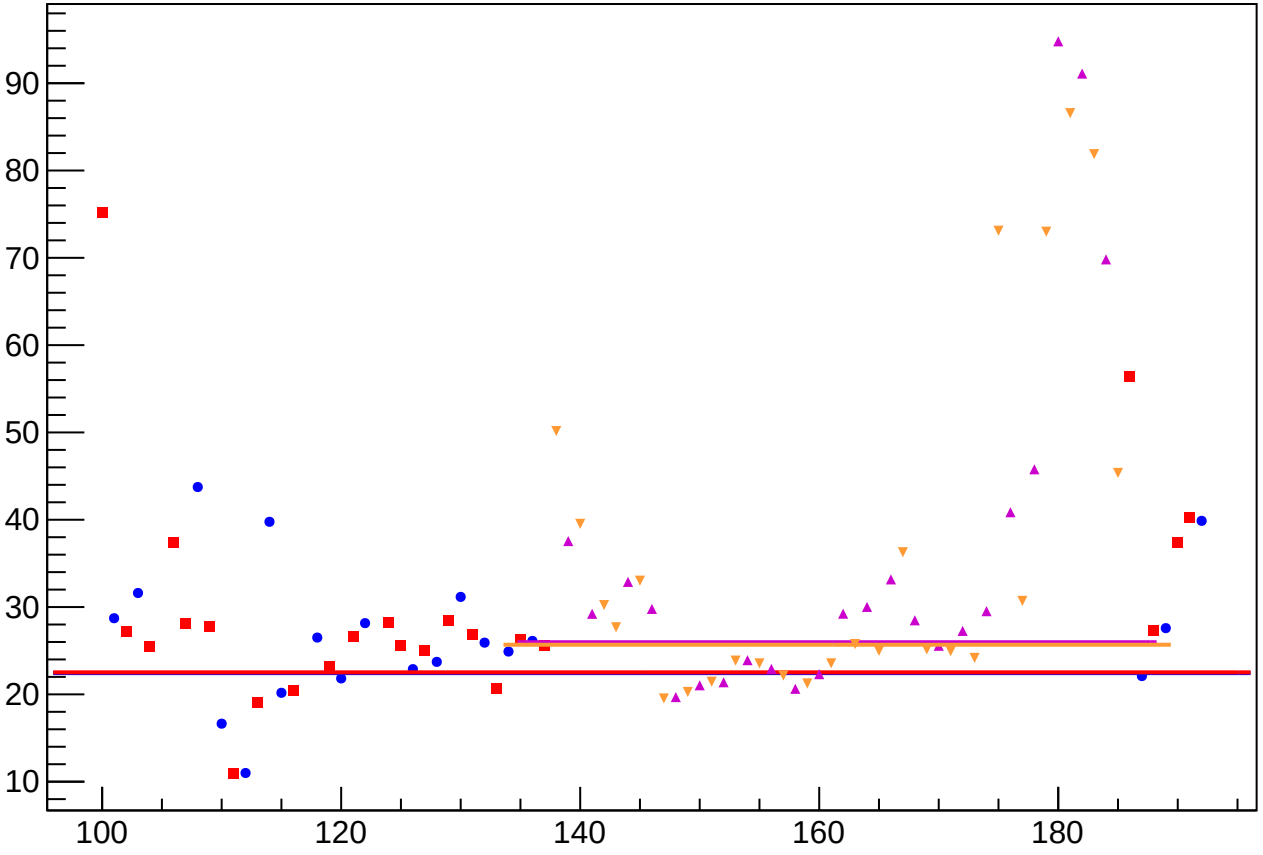
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 47.9/43

All: -0.000+/-0.004 χ^2/NDF: 106.2/89

- sign -0.003+/-0.005 χ^2/NDF: 57.7/45

asym_sam8_dit_vs_cor_diff_rms vs Slug



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

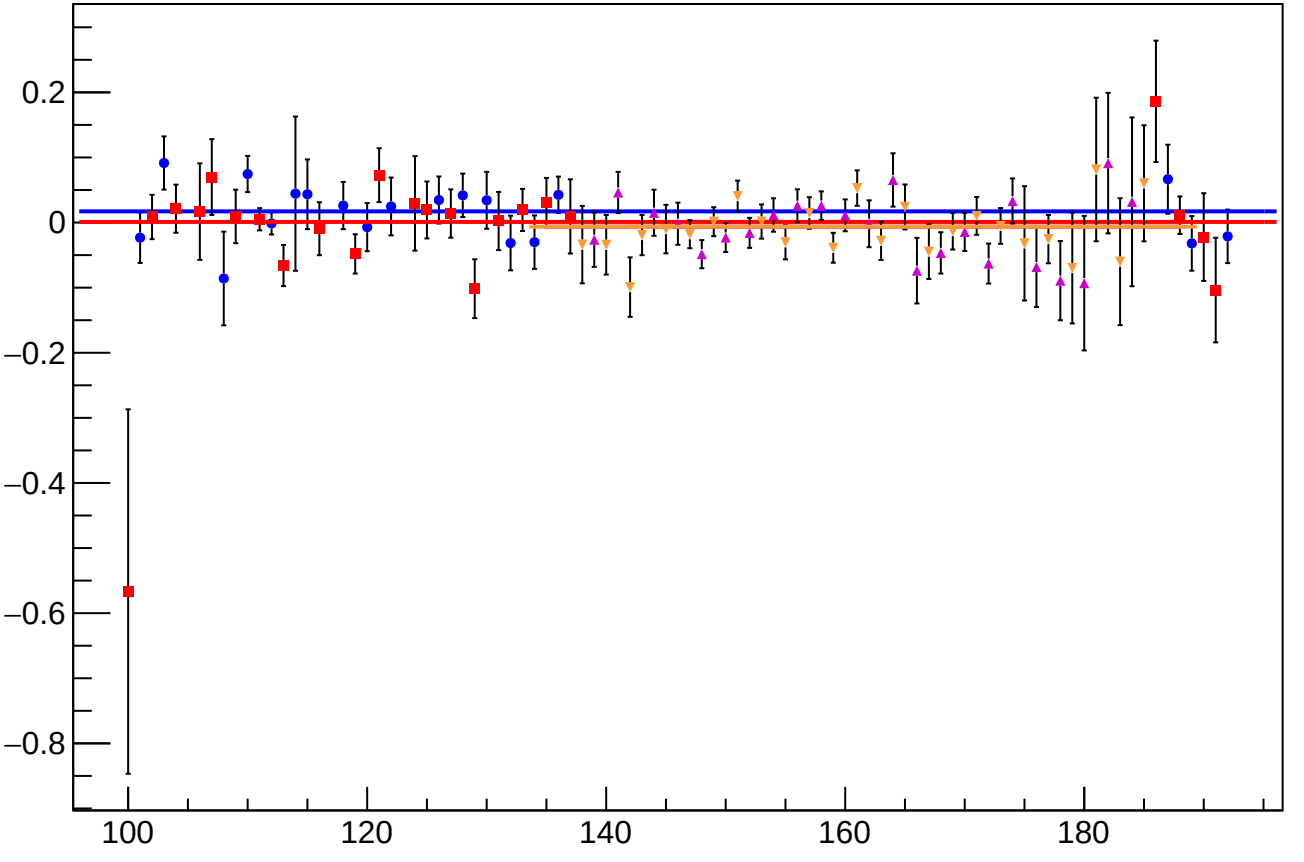
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

\+ sign 24.461+/-0.004 χ^2/NDF: 6023625.4/43

All: 24.517+/-0.003 χ^2/NDF: 11222977.9/89

\- sign 24.575+/-0.004 χ^2/NDF: 5198850.9/45

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



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

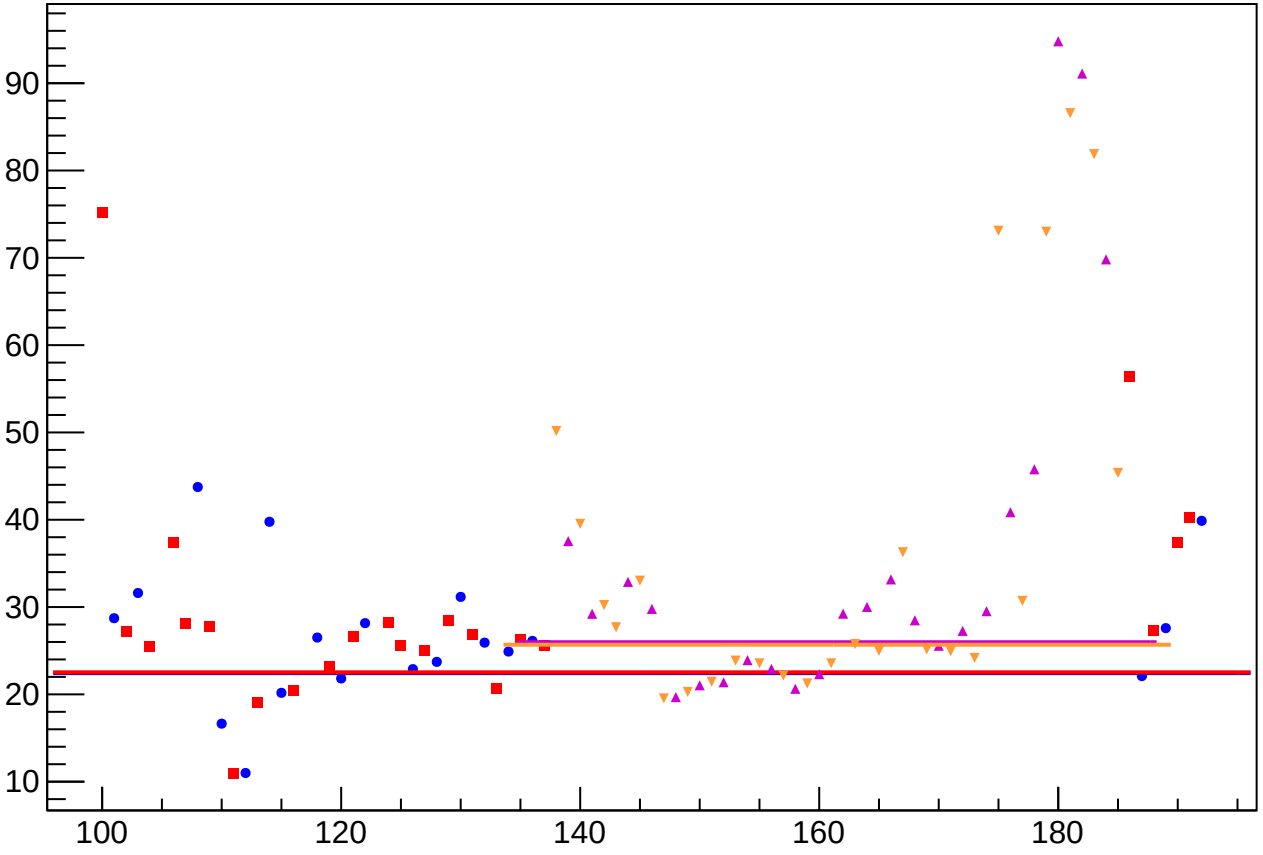
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 47.9/43

All: -0.000+/-0.004 χ^2/NDF: 106.2/89

- sign -0.003+/-0.005 χ^2/NDF: 57.7/45

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.435+/-0.006 χ^2/NDF: 1957512.5/18

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

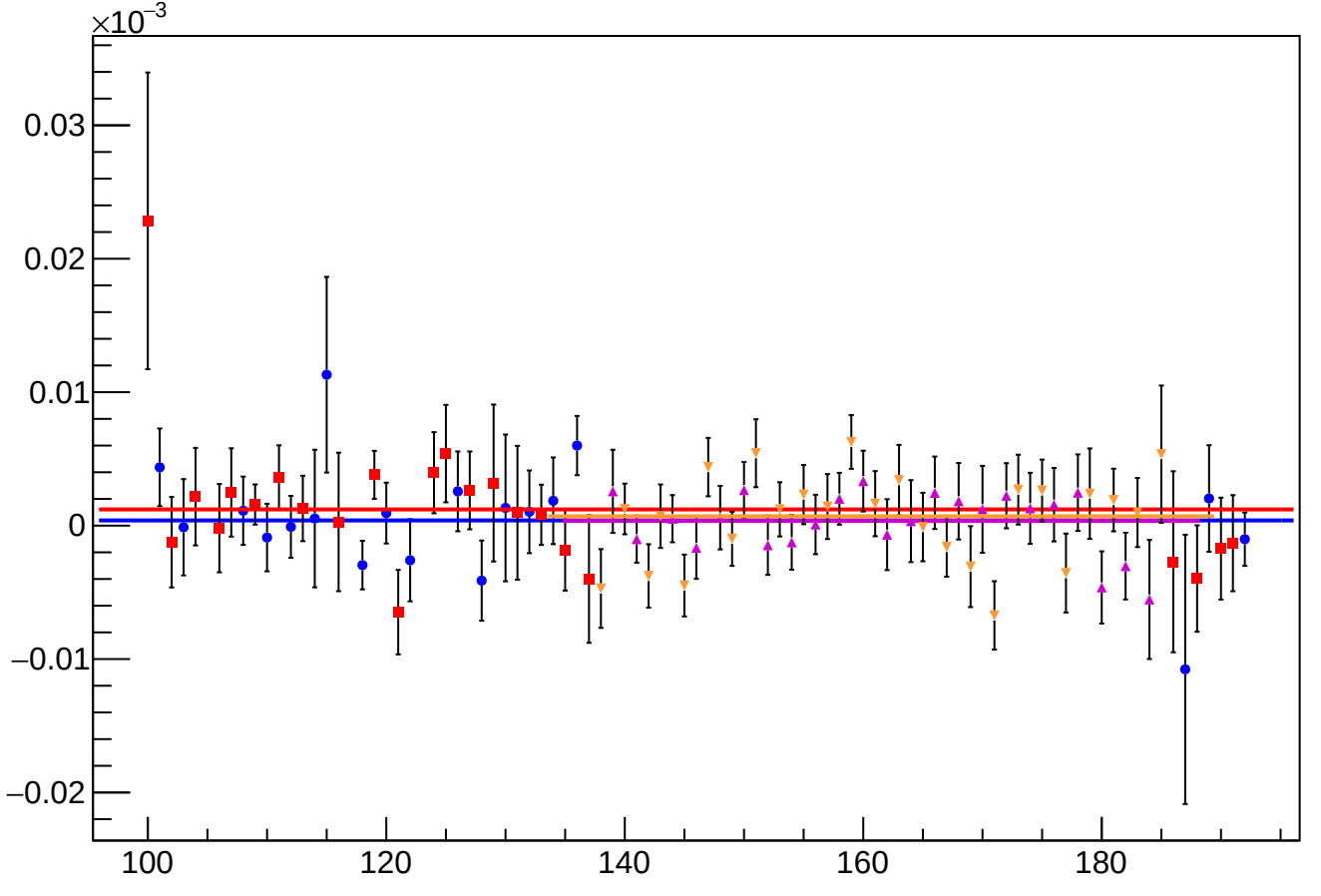
Right Out: 22.524+/-0.006 χ^2/NDF: 1861112.1/22

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.461+/-0.004 χ^2/NDF: 6023625.4/43

All: 24.517+/-0.003 χ^2/NDF: 11222977.9/89

- sign 24.575+/-0.004 χ^2/NDF: 5198850.9/45



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

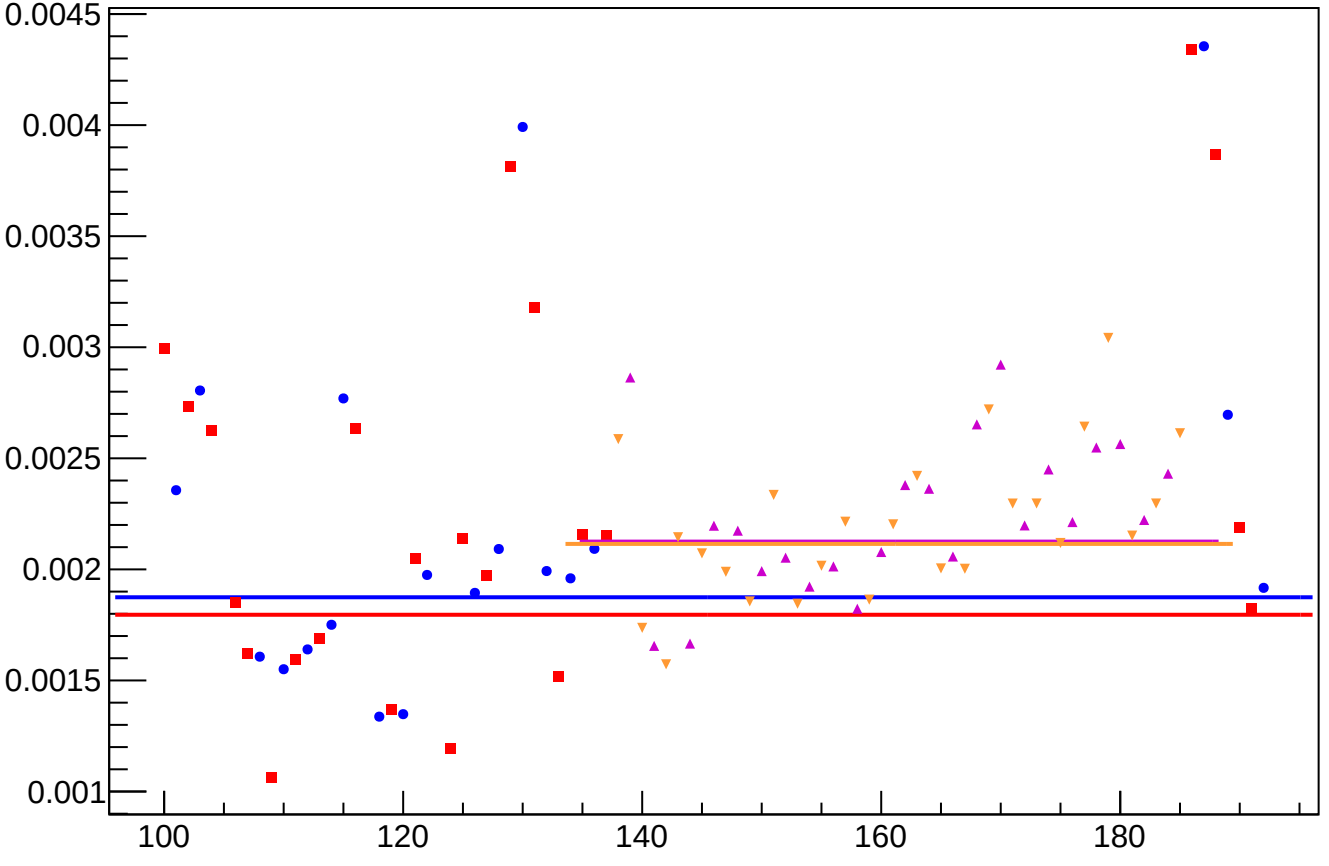
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.7/43

All: 0.000+/-0.000 χ^2/NDF: 103.9/89

- sign 0.000+/-0.000 χ^2/NDF: 39.2/45

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1114375.2/18

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

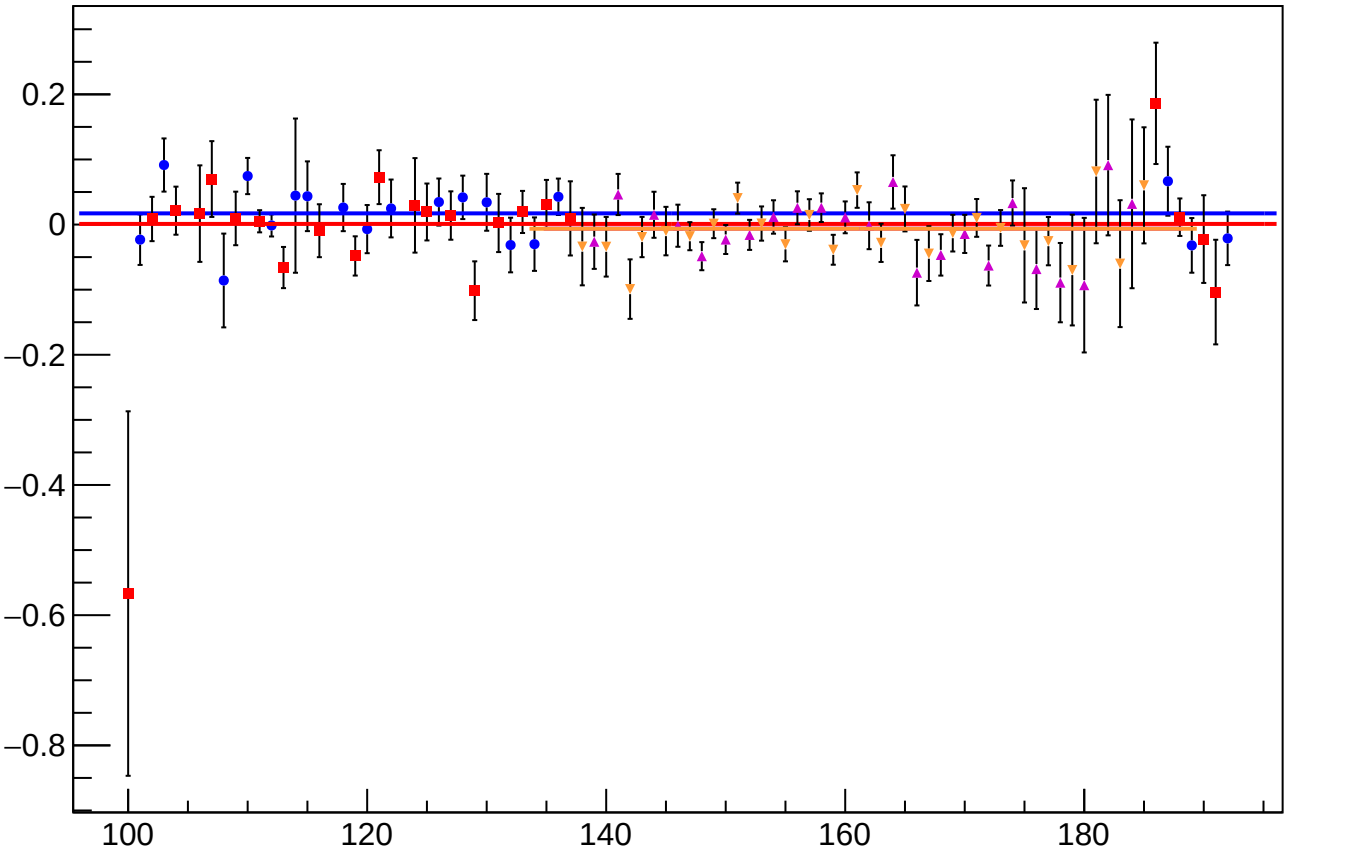
Right Out: 0.002+/-0.000 χ^2/NDF: 2359055.0/22

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 2031204.9/43

All: 0.002+/-0.000 χ^2/NDF: 5569738.0/89

- sign 0.002+/-0.000 χ^2/NDF: 3531372.4/45



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

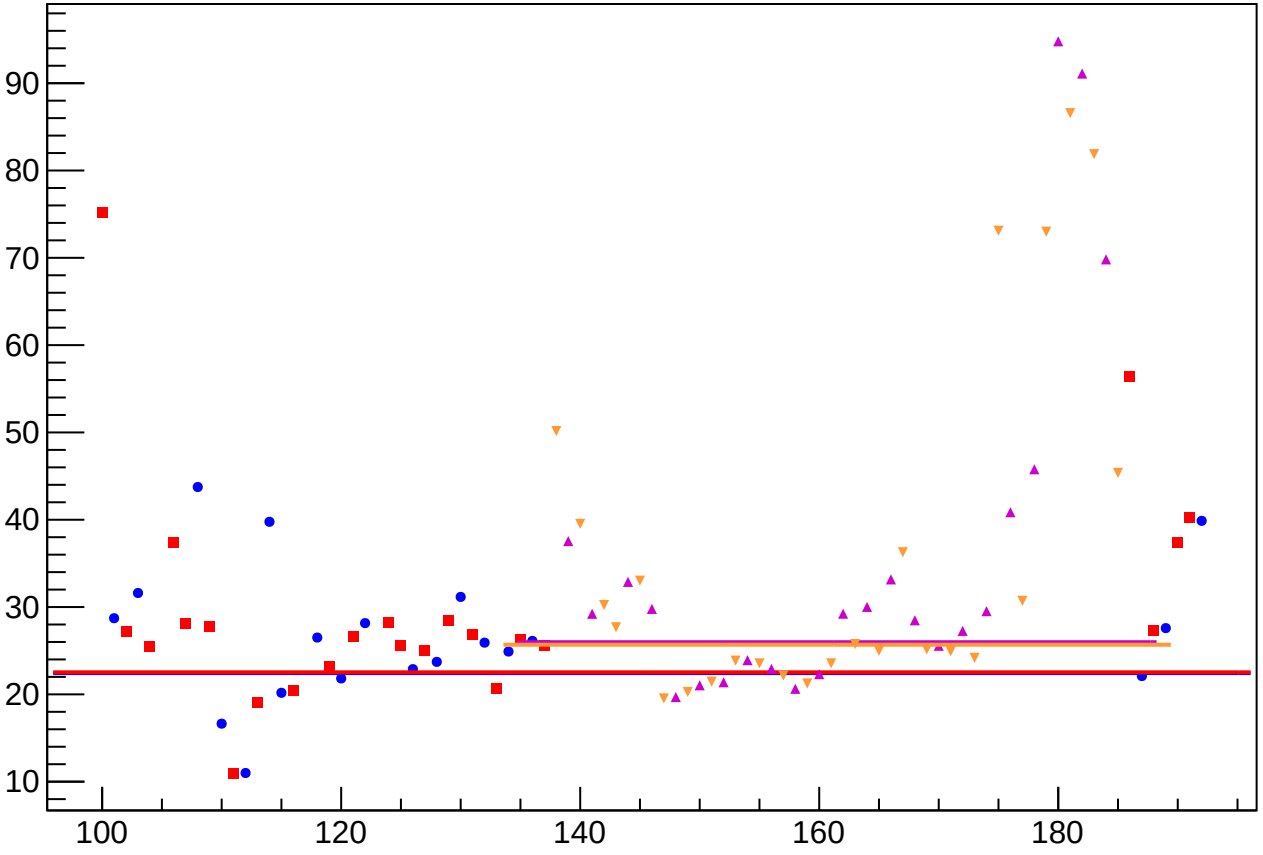
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 47.9/43

All: -0.000+/-0.004 χ^2/NDF: 106.2/89

- sign -0.003+/-0.005 χ^2/NDF: 57.7/45

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 22.434+/-0.006 χ^2/NDF: 1957691.0/18

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

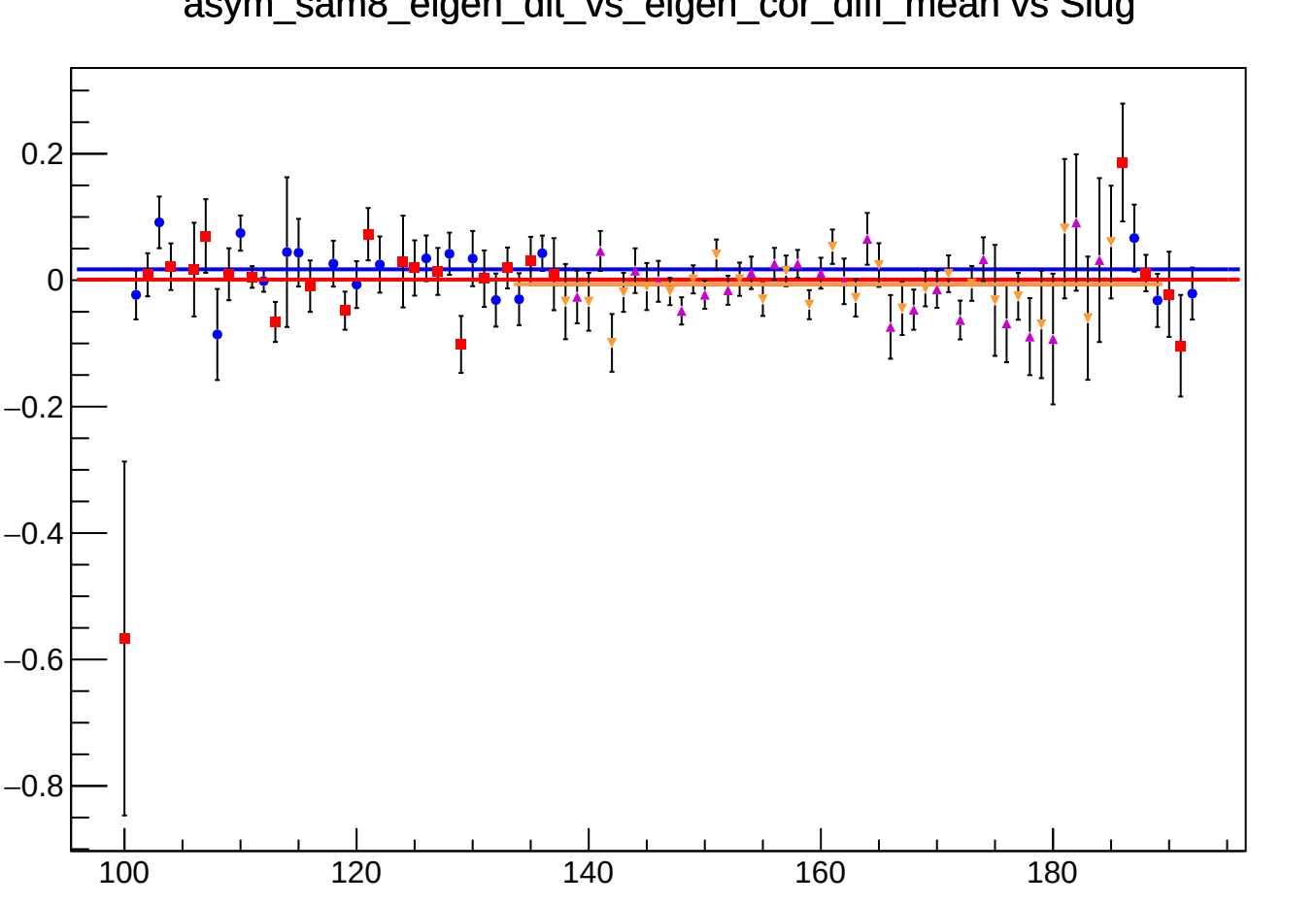
Right Out: 22.523+/-0.006 χ^2/NDF: 1861251.3/22

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.461+/-0.004 χ^2/NDF: 6023891.1/43

All: 24.517+/-0.003 χ^2/NDF: 11223470.8/89

- sign 24.574+/-0.004 χ^2/NDF: 5199078.6/45



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

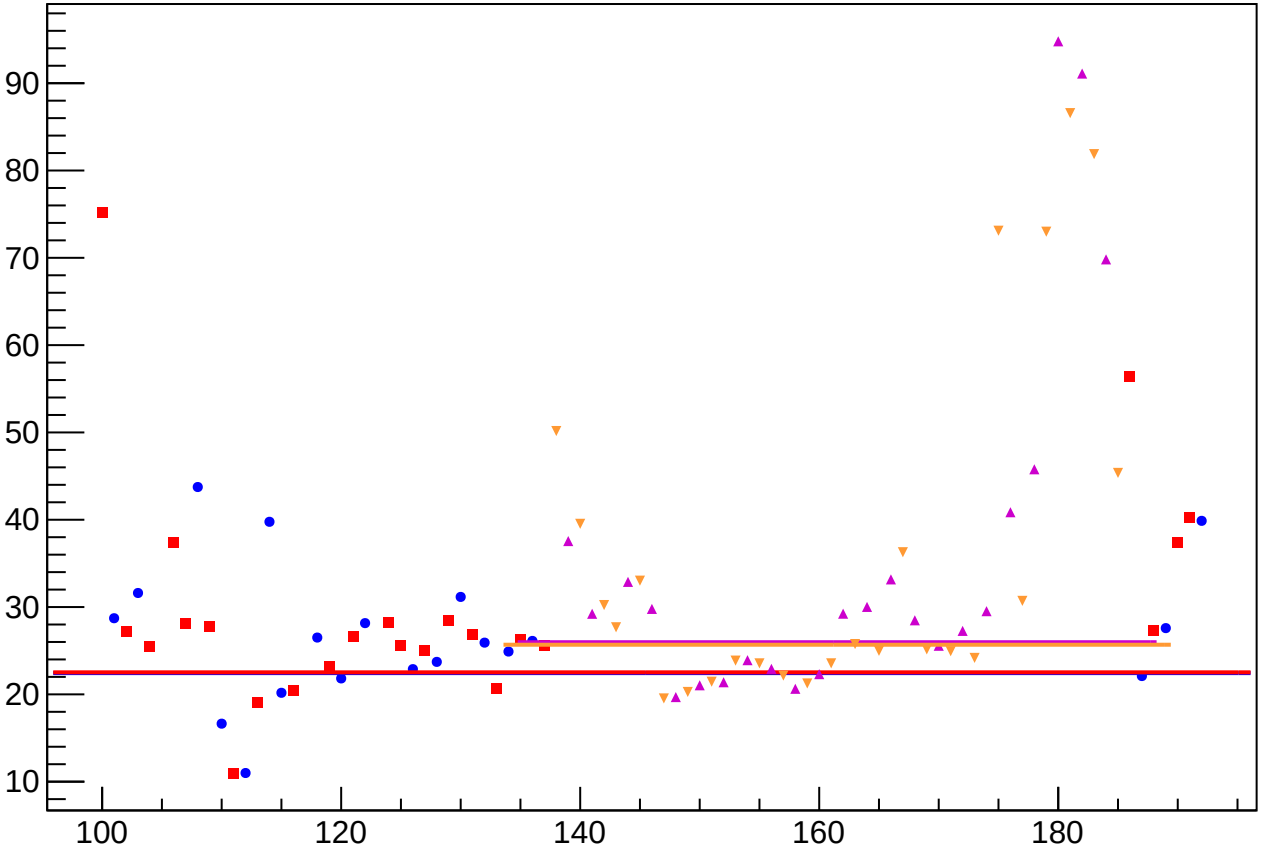
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 47.9/43

All: -0.000+/-0.004 χ^2/NDF: 106.2/89

- sign -0.003+/-0.005 χ^2/NDF: 57.7/45

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.434+/-0.006 χ^2/NDF: 1957691.0/18

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

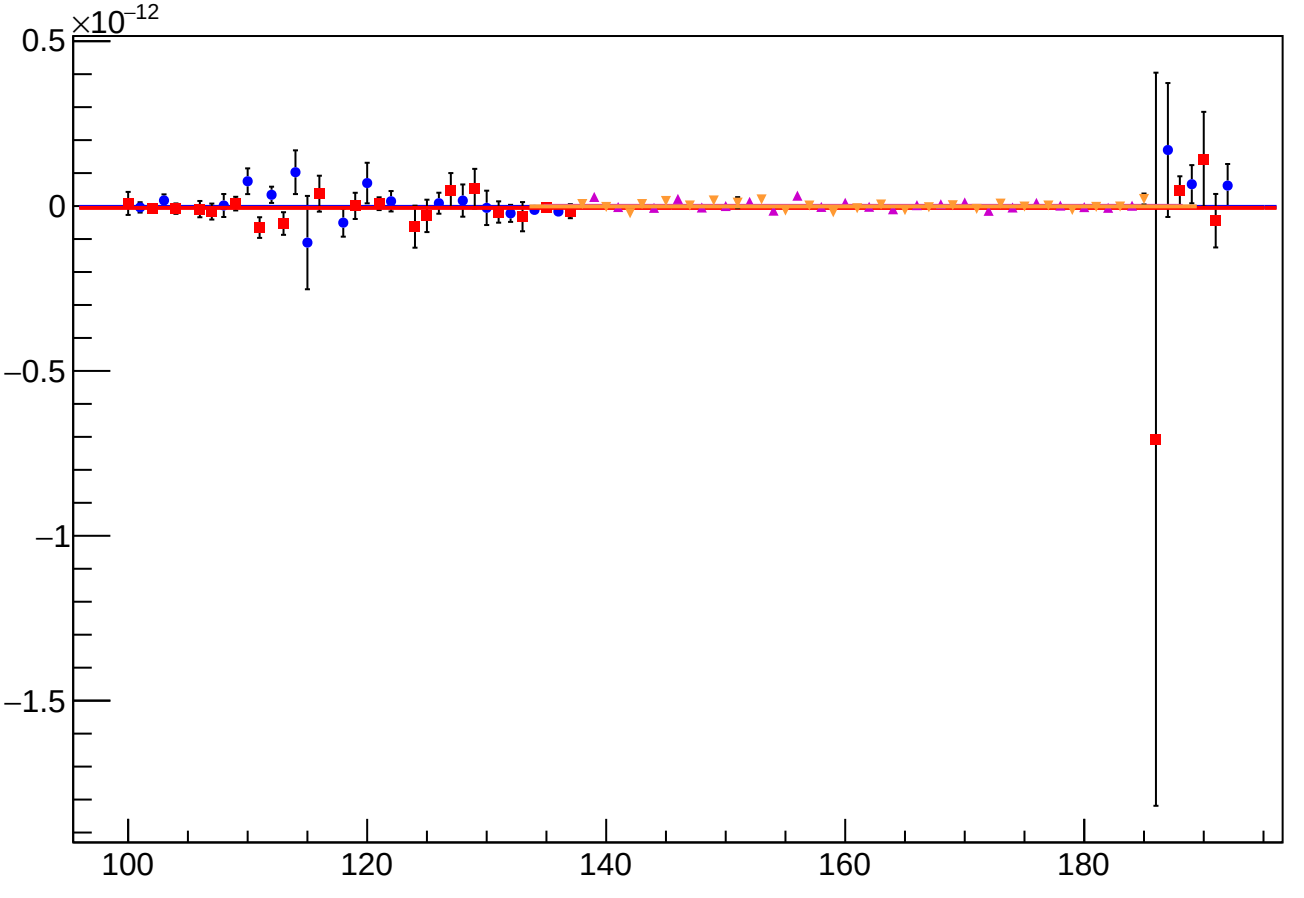
Right Out: 22.523+/-0.006 χ^2/NDF: 1861251.3/22

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.461+/-0.004 χ^2/NDF: 6023891.1/43

All: 24.517+/-0.003 χ^2/NDF: 11223470.8/89

- sign 24.574+/-0.004 χ^2/NDF: 5199078.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

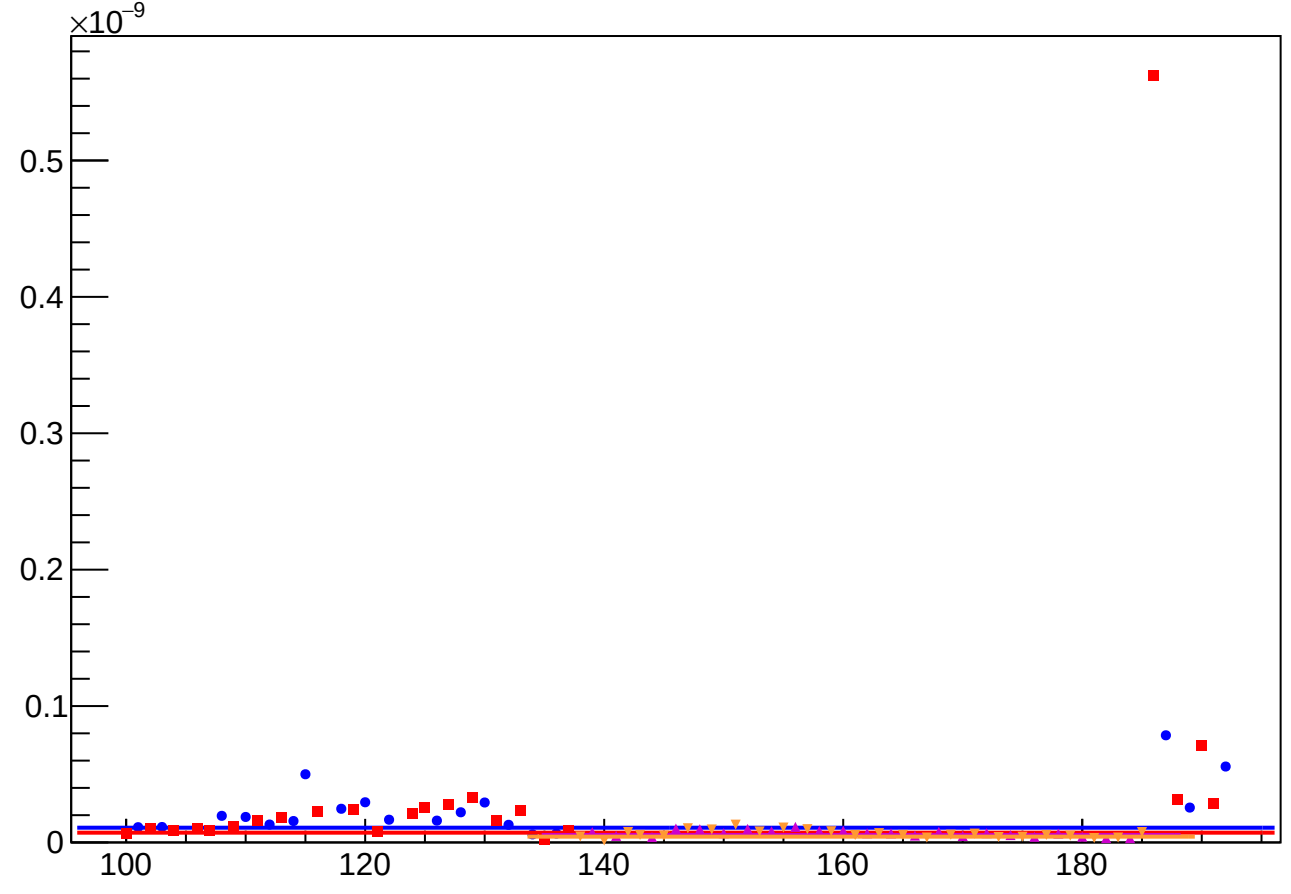
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/22

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.2/43

All: -0.000+/-0.000 χ^2/NDF: 95.1/89

- sign -0.000+/-0.000 χ^2/NDF: 45.7/45



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

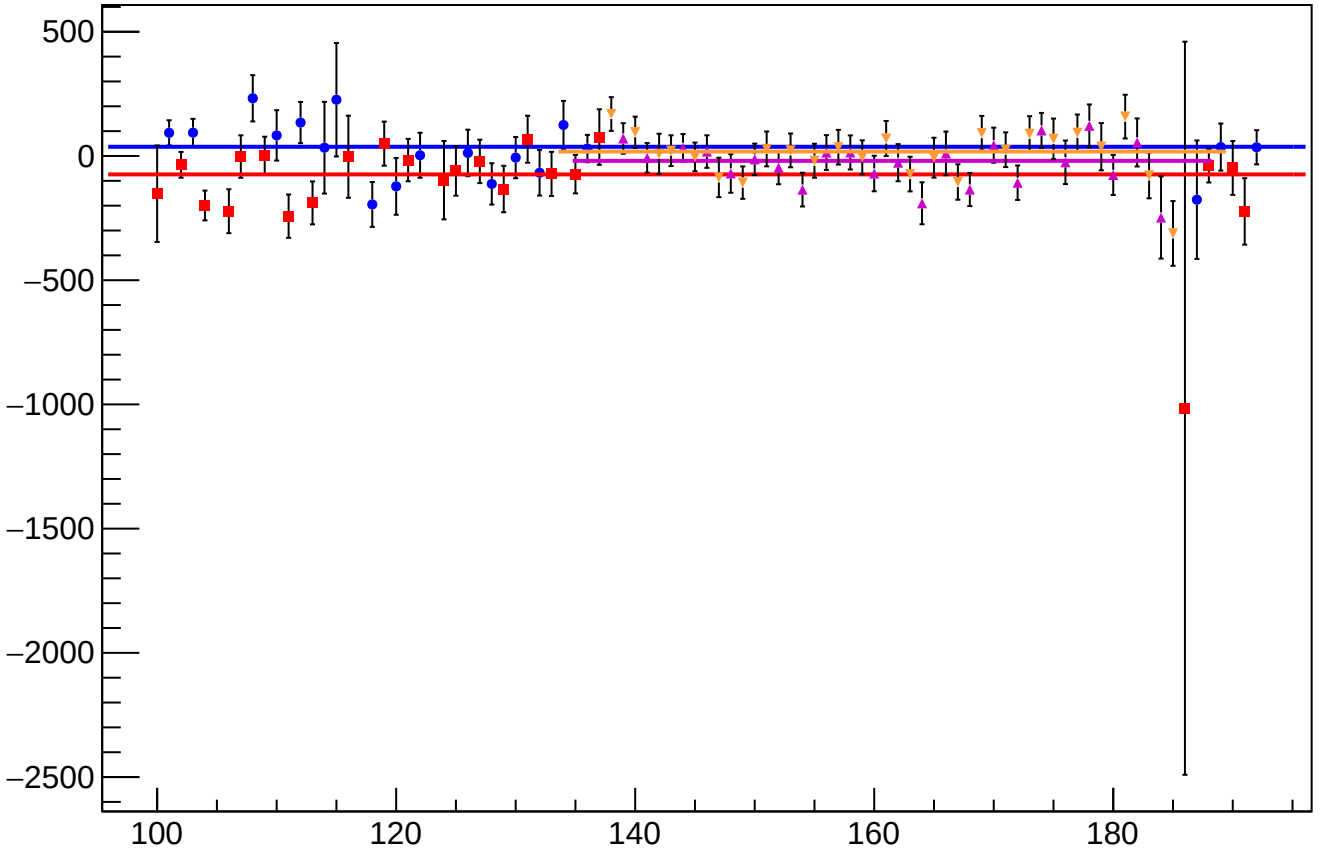
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11375145.4/43

All: 0.000+/-0.000 χ^2/NDF: 20605154.5/89

- sign 0.000+/-0.000 χ^2/NDF: 8741064.9/45

reg_asym_sam_15_avg_mean vs Slug



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

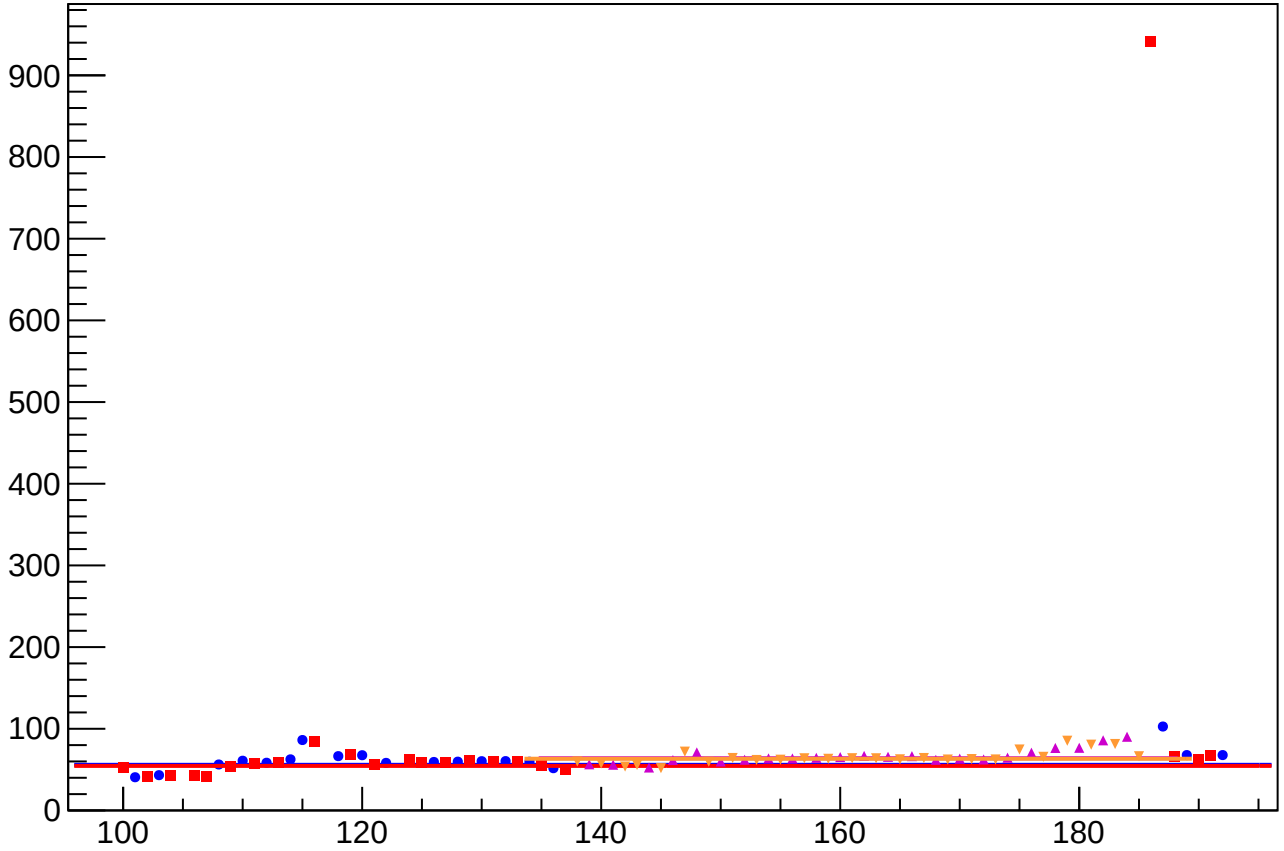
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.814+/-11.547 χ^2/NDF: 56.3/43

All: -7.866+/-8.211 χ^2/NDF: 128.4/89

- sign -41.286+/-11.678 χ^2/NDF: 55.9/45

reg_asym_sam_15_avg_rms vs Slug



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

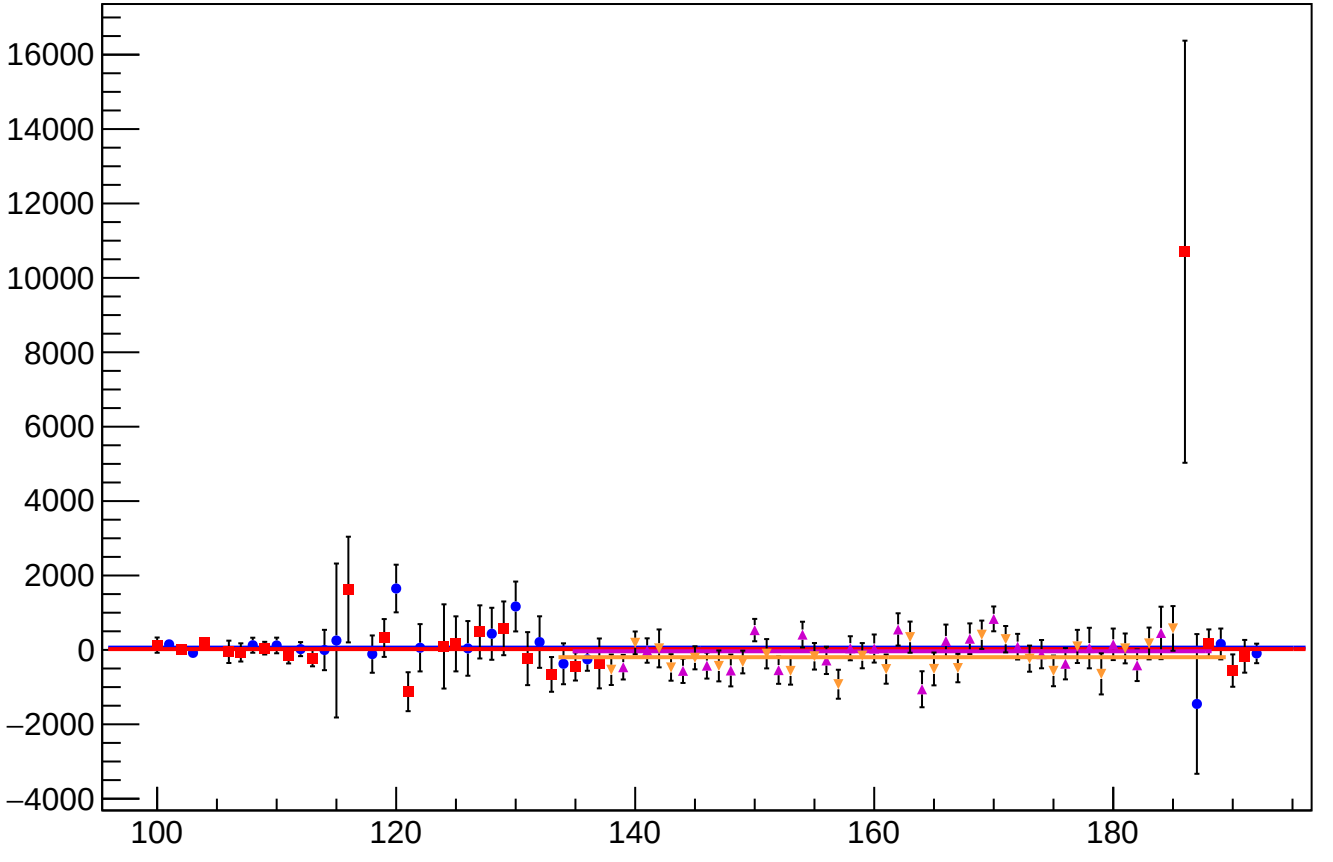
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.590+/-0.008 χ^2/NDF: 1271341.0/43

All: 60.395+/-0.006 χ^2/NDF: 3270677.2/89

- sign 60.196+/-0.008 χ^2/NDF: 1998184.5/45

asym_sam_15_avg_reg_correction_mean vs Slug



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

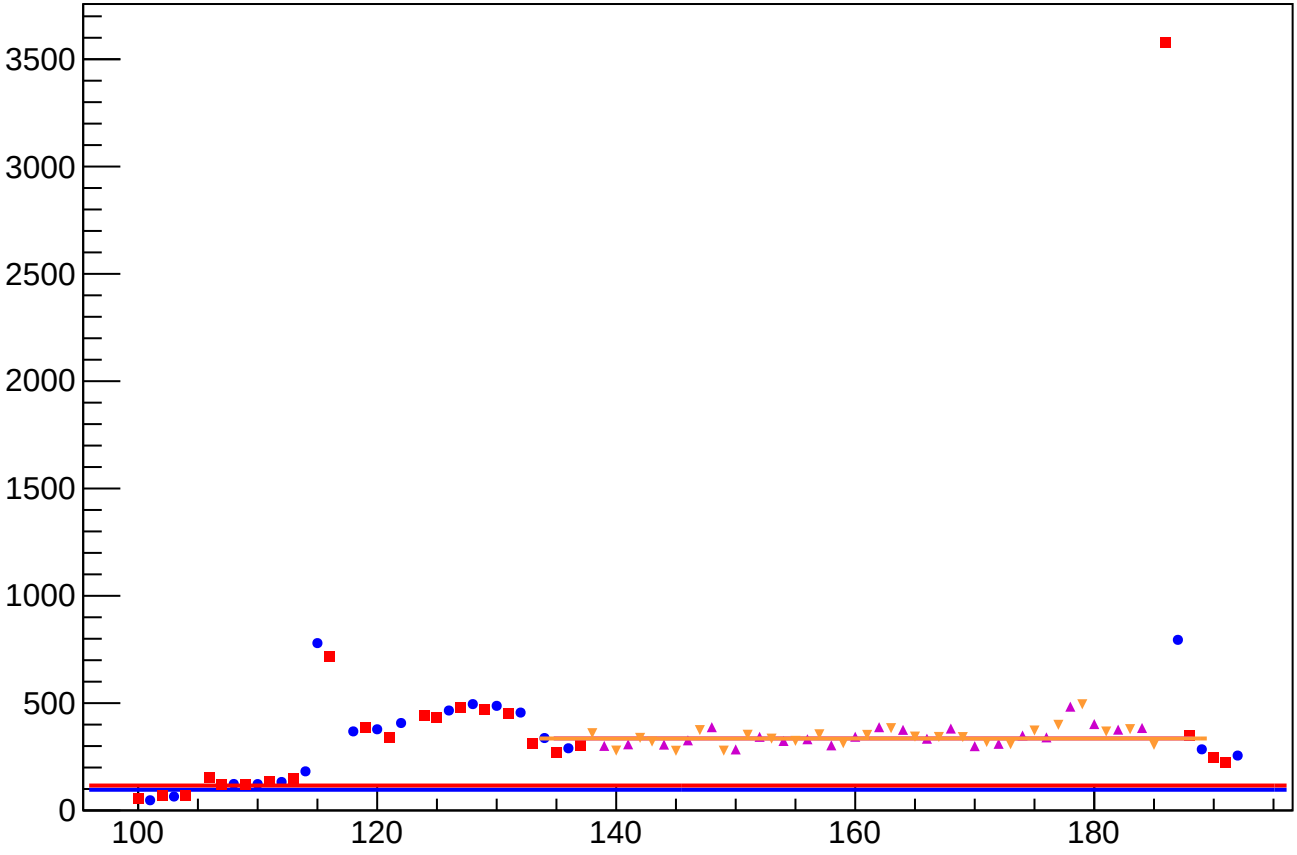
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -5.131+/-39.169 χ^2/NDF: 45.6/43

All: -0.239+/-28.578 χ^2/NDF: 100.8/89

- sign 5.331+/-41.790 χ^2/NDF: 55.2/45

asym_sam_15_avg_reg_correction_rms vs Slug



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

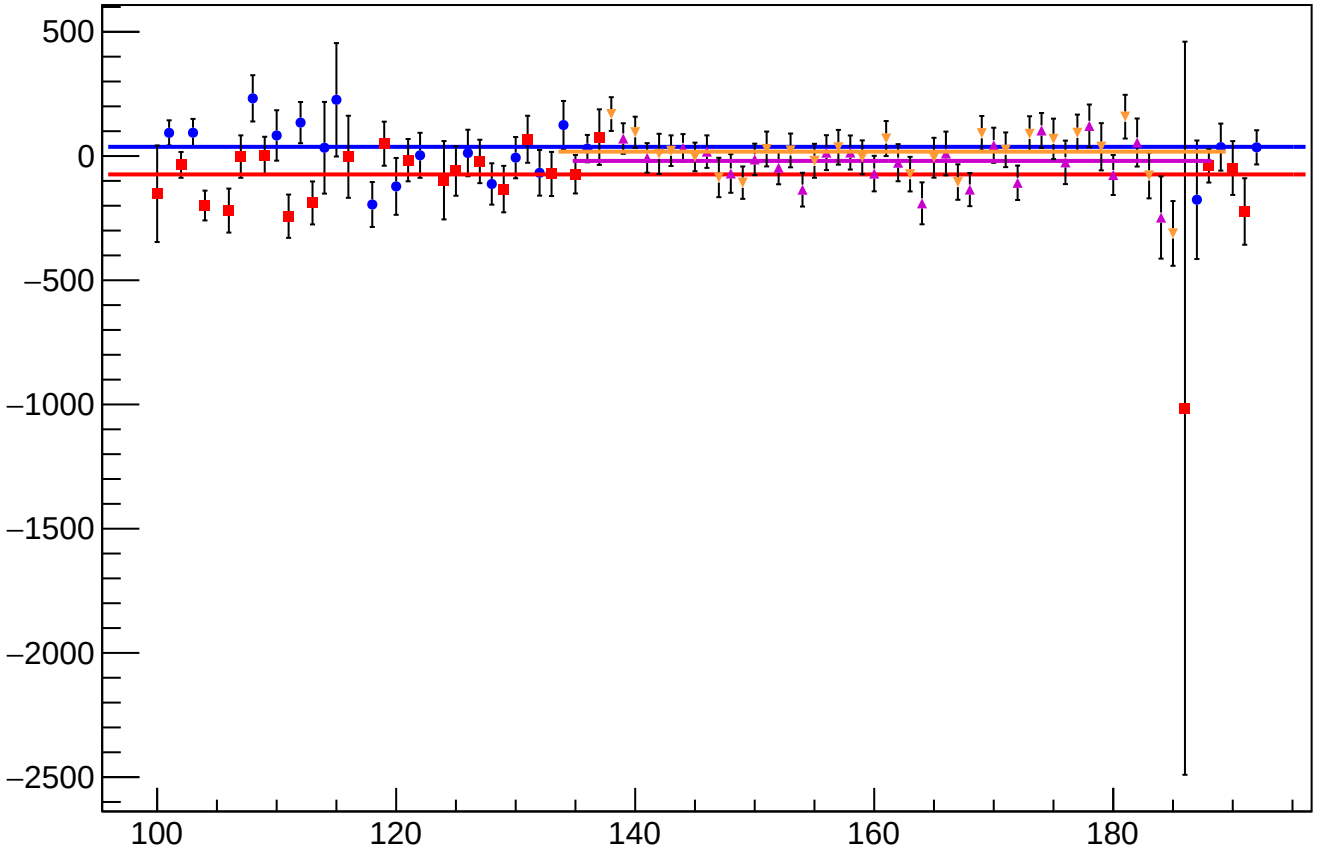
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 158.105+/-0.028 χ^2/NDF: 22934217.5/43

All: 167.034+/-0.020 χ^2/NDF: 41971085.1/89

- sign 177.199+/-0.030 χ^2/NDF: 18814594.9/45

cor_asym_sam_15_avg_mean vs Slug



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

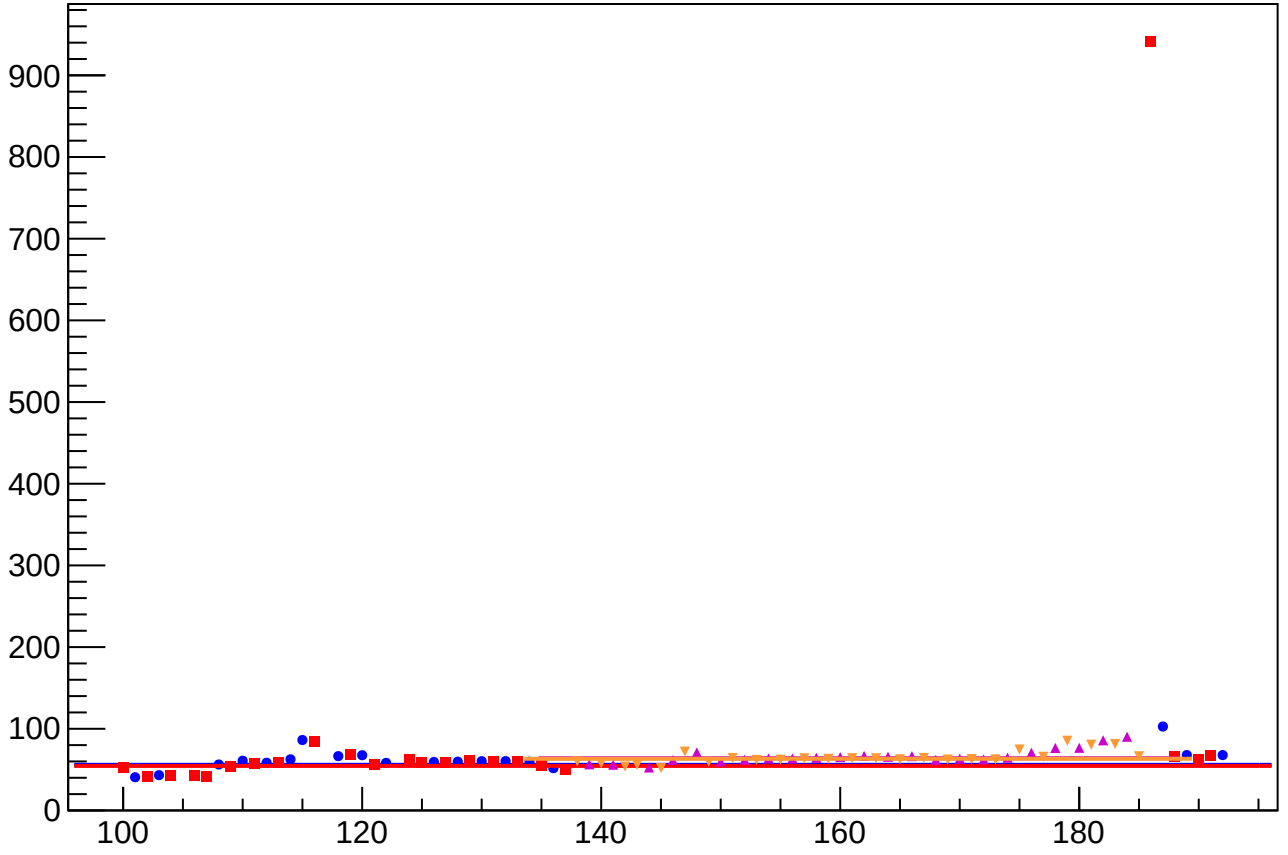
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.820+/-11.547 χ^2/NDF: 56.3/43

All: -7.837+/-8.211 χ^2/NDF: 128.2/89

- sign -41.237+/-11.678 χ^2/NDF: 55.7/45

cor_asym_sam_15_avg_rms vs Slug



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

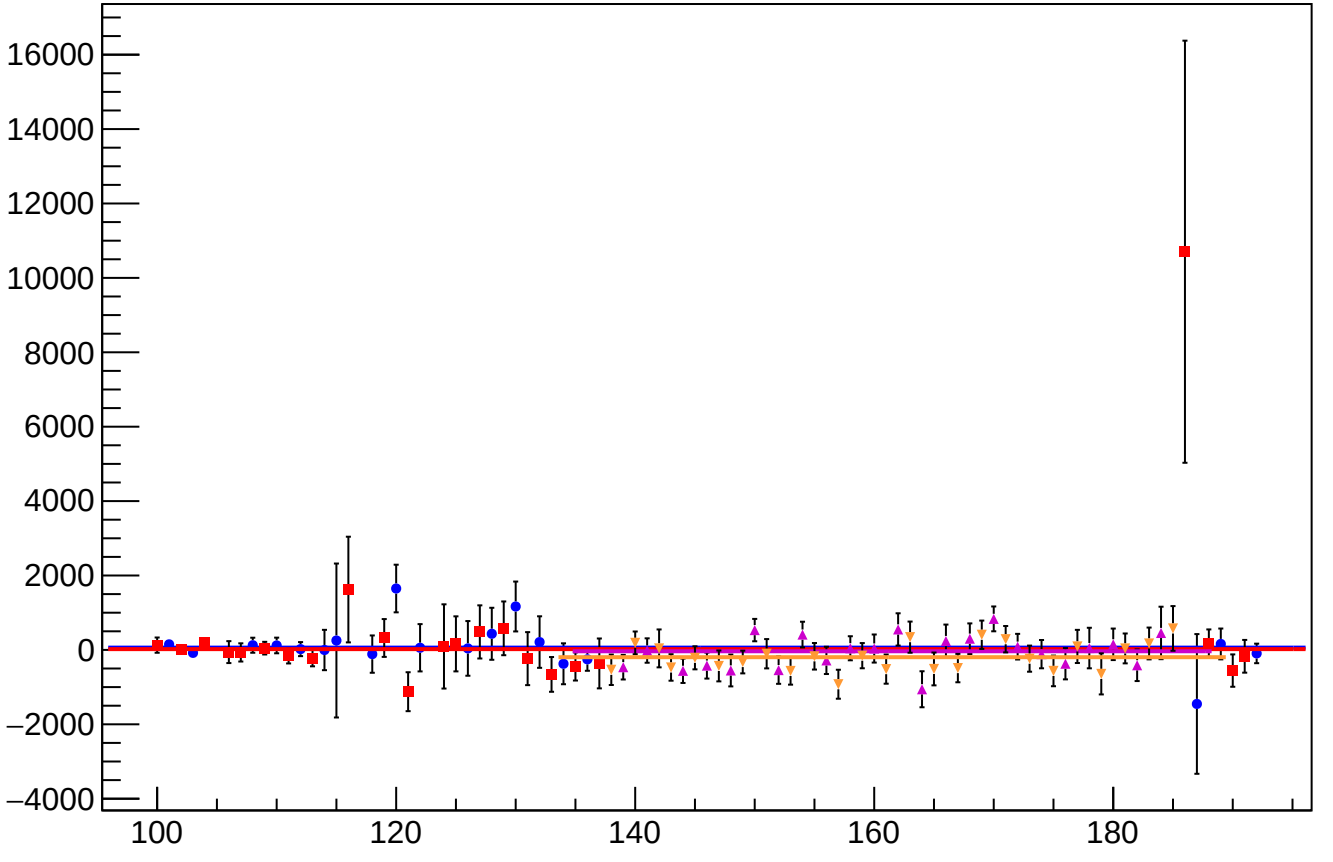
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.590+/-0.008 χ^2/NDF: 1271339.9/43

All: 60.395+/-0.006 χ^2/NDF: 3271115.1/89

- sign 60.195+/-0.008 χ^2/NDF: 1998621.0/45

asym_sam_15_avg_cor_correction_mean vs Slug



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

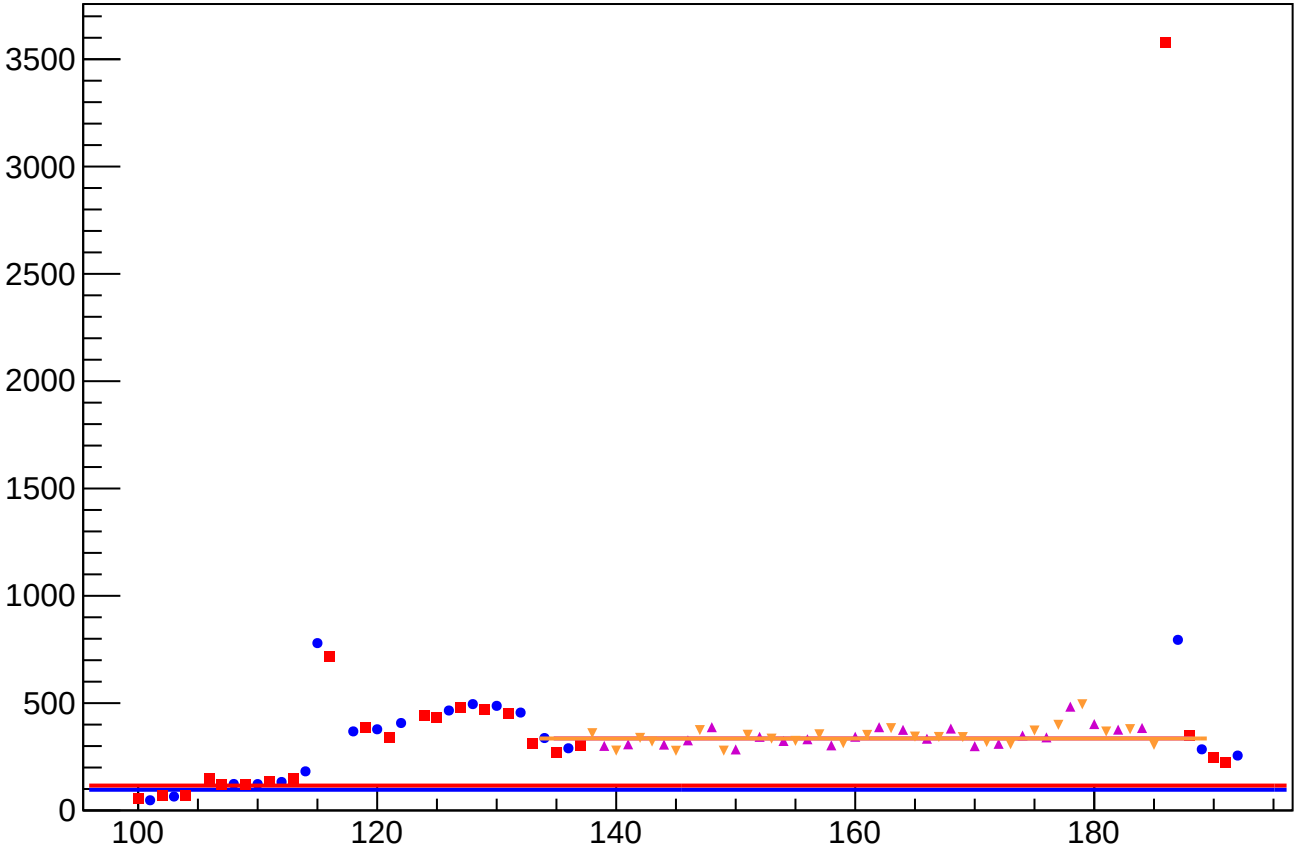
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -5.125+/-39.168 χ^2/NDF: 45.6/43

All: -0.363+/-28.570 χ^2/NDF: 100.8/89

- sign 5.052+/-41.765 χ^2/NDF: 55.2/45

asym_sam_15_avg_cor_correction_rms vs Slug



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

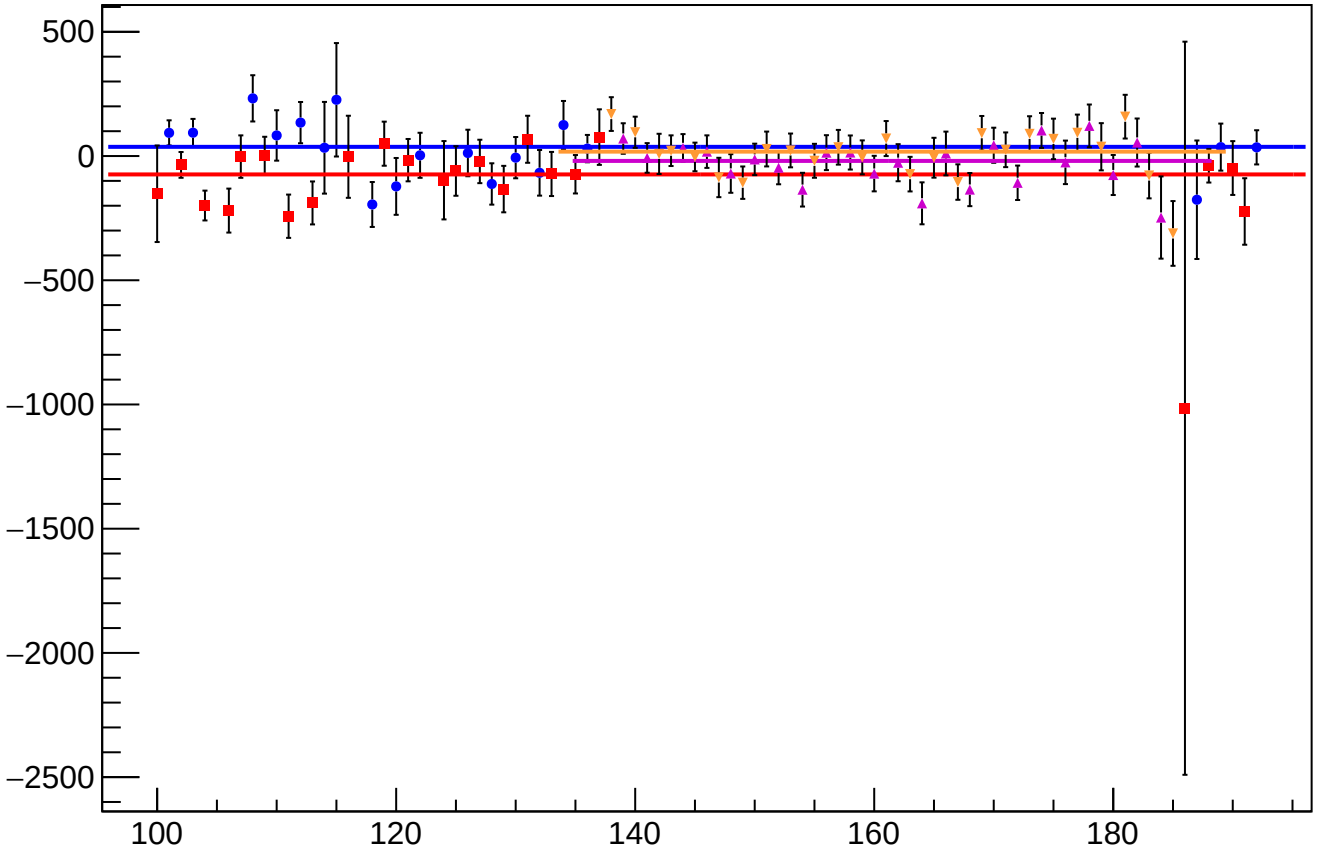
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 158.101+/-0.028 χ^2/NDF: 22934826.7/43

All: 166.942+/-0.020 χ^2/NDF: 41985033.0/89

- sign 176.995+/-0.030 χ^2/NDF: 18832432.1/45

eigen_cor_asym_sam_15_avg_mean vs Slug



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

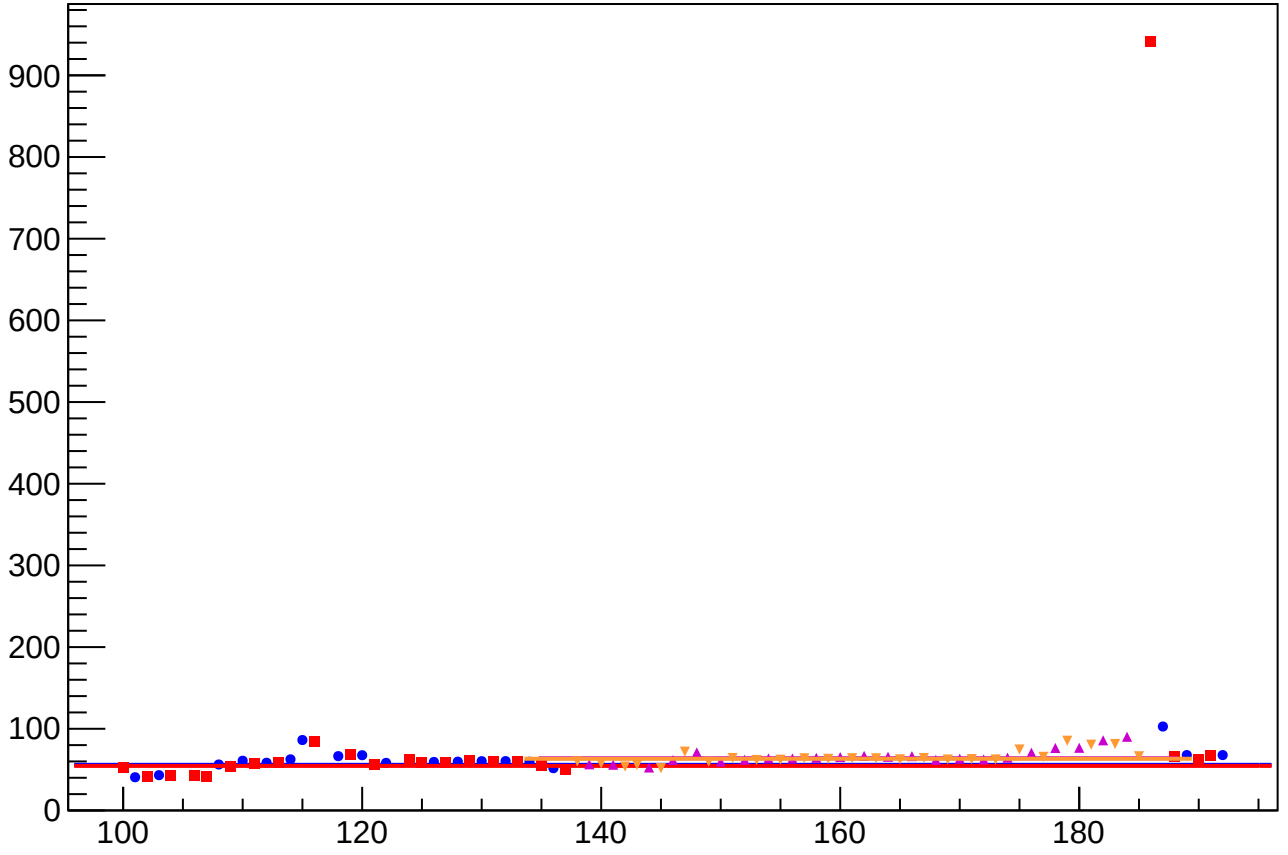
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.820+/-11.547 χ^2/NDF: 56.3/43

All: -7.837+/-8.211 χ^2/NDF: 128.2/89

- sign -41.237+/-11.678 χ^2/NDF: 55.7/45

eigen_cor_asym_sam_15_avg_rms vs Slug



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

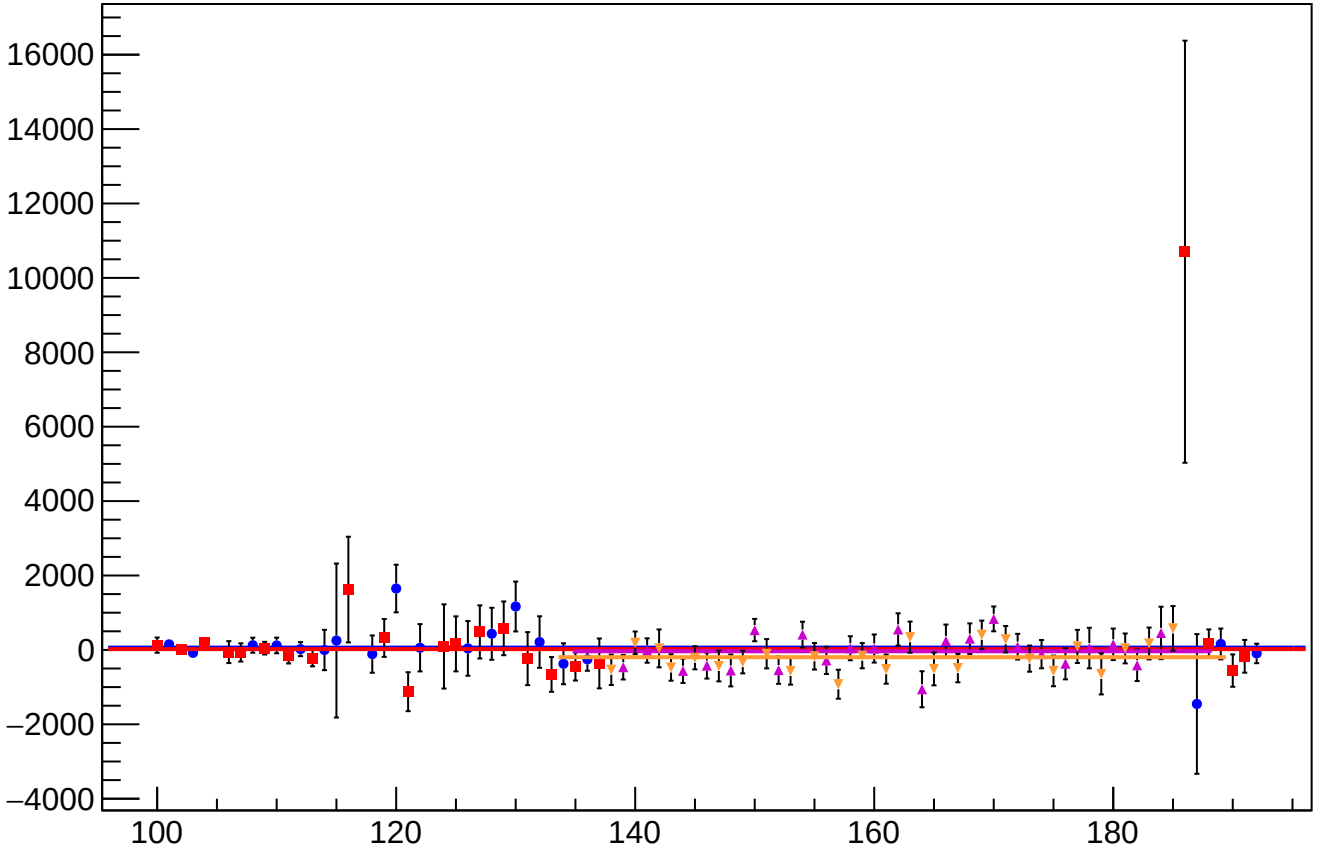
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.590+/-0.008 χ^2/NDF: 1271339.9/43

All: 60.395+/-0.006 χ^2/NDF: 3271115.1/89

- sign 60.195+/-0.008 χ^2/NDF: 1998621.0/45

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



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

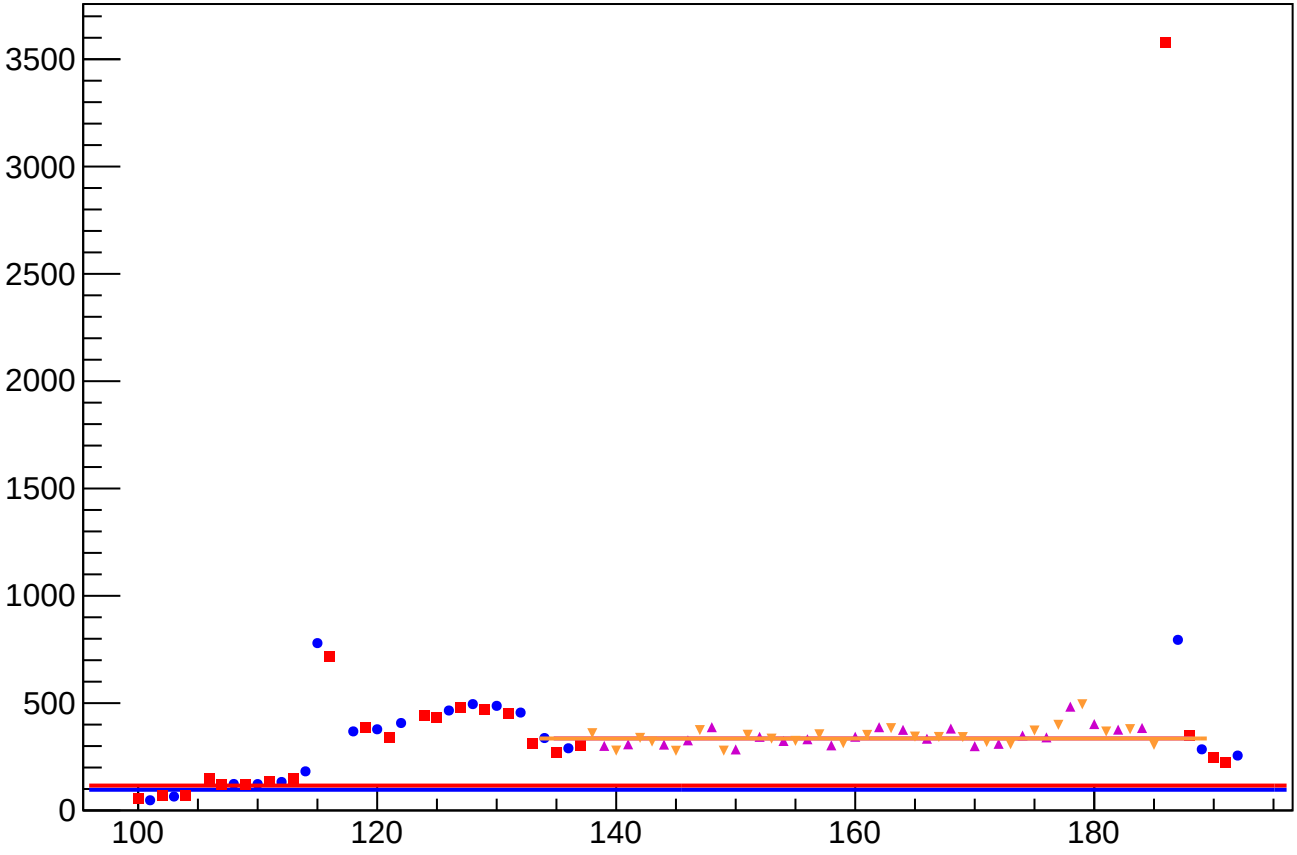
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -5.125+/-39.168 χ^2/NDF: 45.6/43

All: -0.363+/-28.570 χ^2/NDF: 100.8/89

- sign 5.052+/-41.765 χ^2/NDF: 55.2/45

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



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

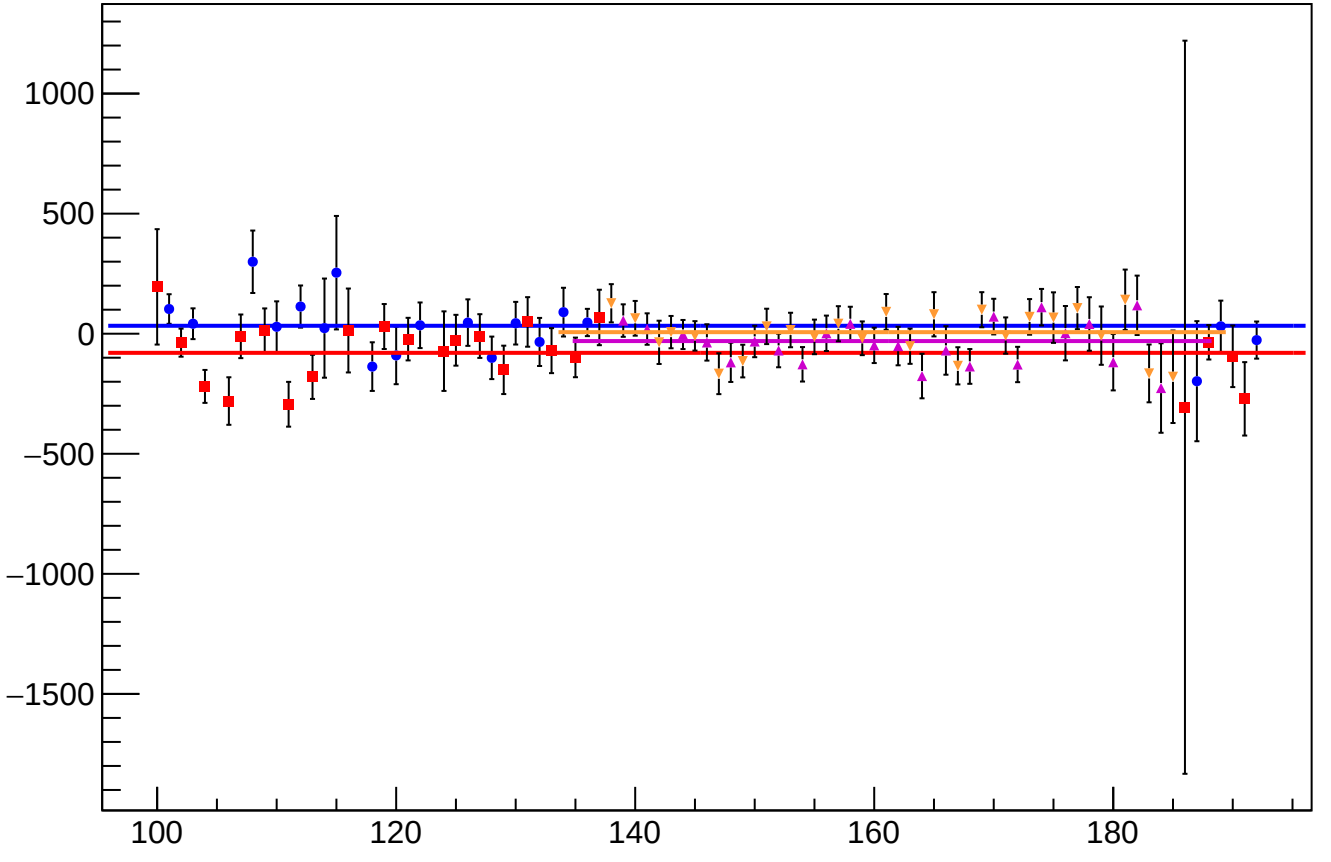
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 158.101+/-0.028 χ^2/NDF: 22934826.7/43

All: 166.942+/-0.020 χ^2/NDF: 41985033.0/89

- sign 176.995+/-0.030 χ^2/NDF: 18832432.1/45

dit_asym_sam_15_avg_mean vs Slug



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

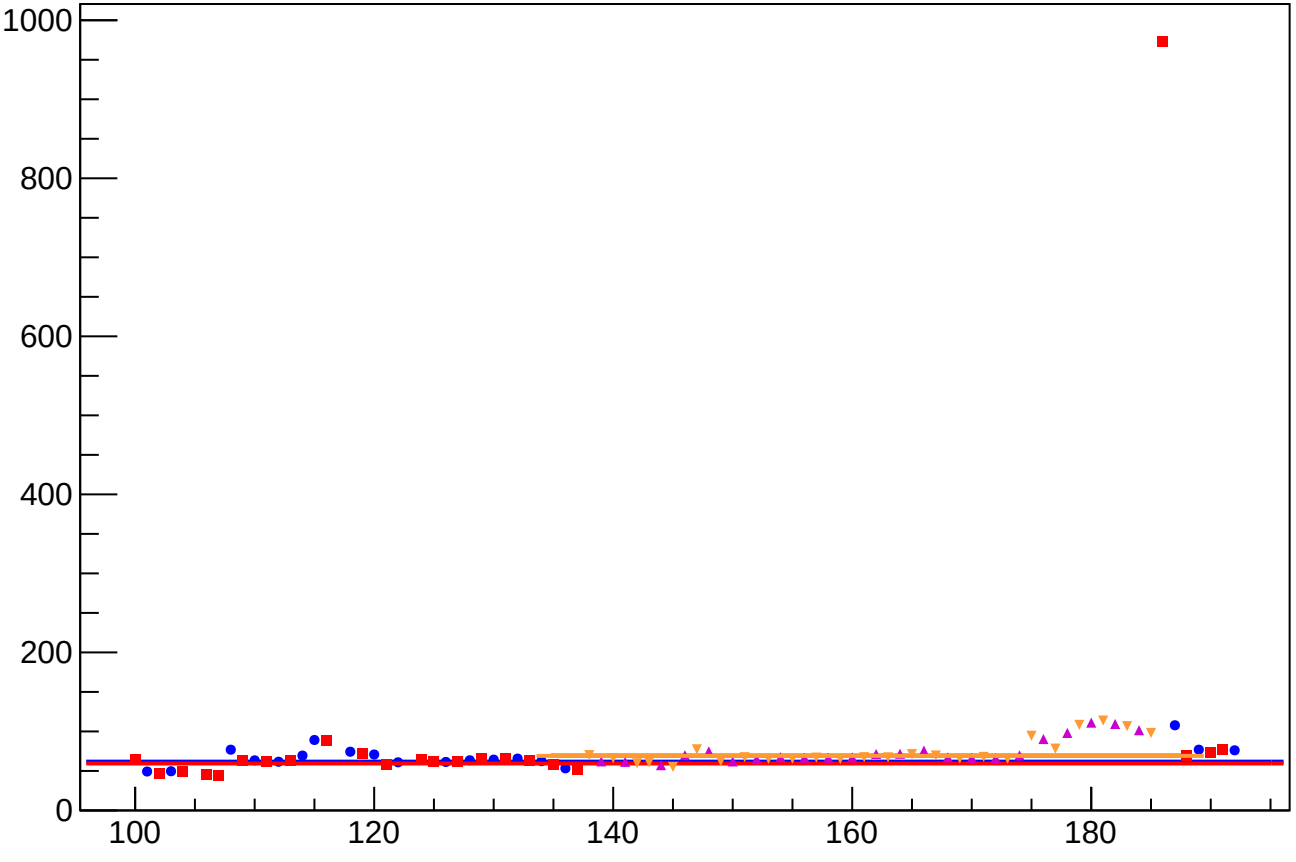
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 16.135+/-12.740 χ^2/NDF: 41.7/43

All: -16.945+/-9.024 χ^2/NDF: 108.1/89

- sign -50.258+/-12.785 χ^2/NDF: 52.8/45

dit_asym_sam_15_avg_rms vs Slug



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

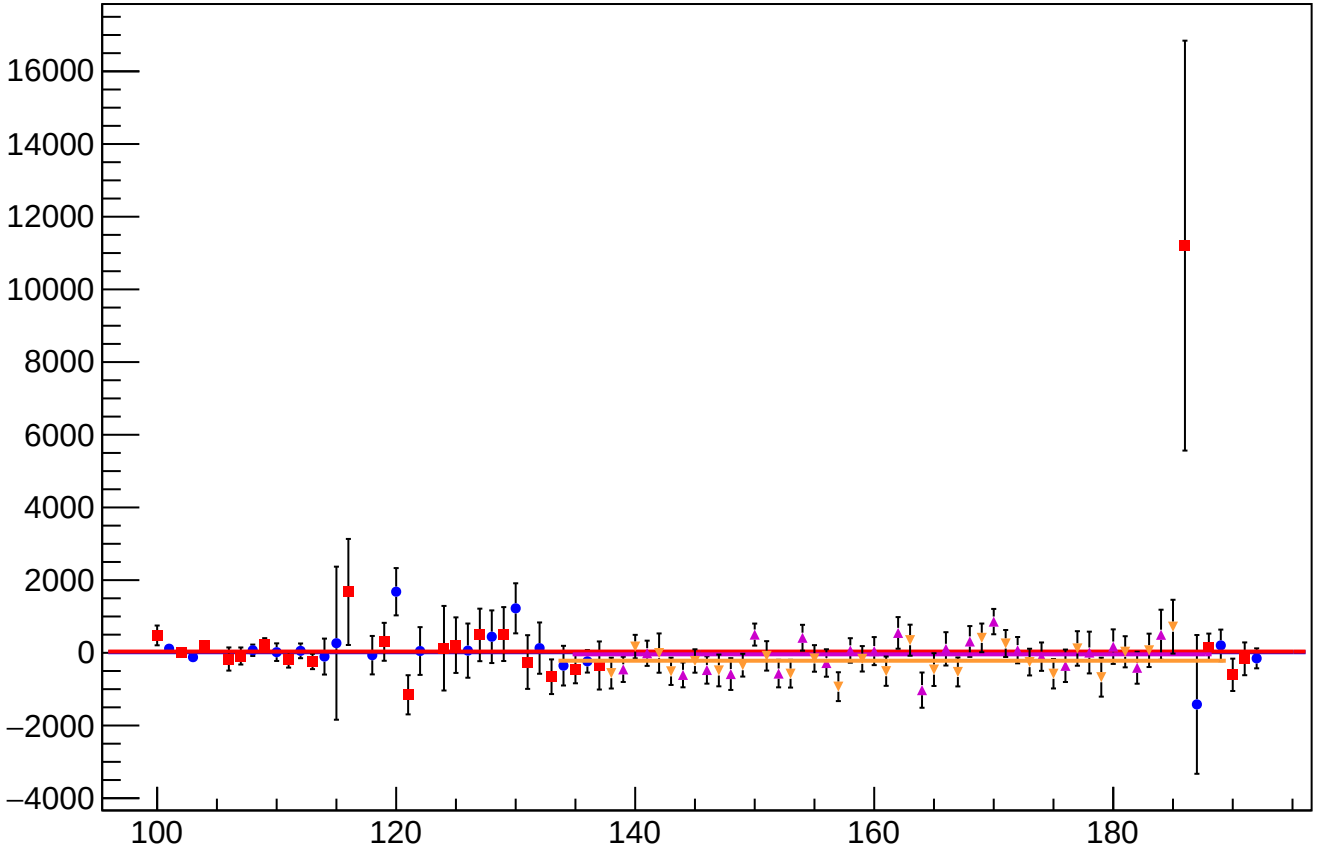
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 66.417+/-0.009 χ^2/NDF: 1706583.8/43

All: 65.930+/-0.006 χ^2/NDF: 4101969.3/89

- sign 65.439+/-0.009 χ^2/NDF: 2389508.8/45

asym_sam_15_avg_dit_correction_mean vs Slug



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

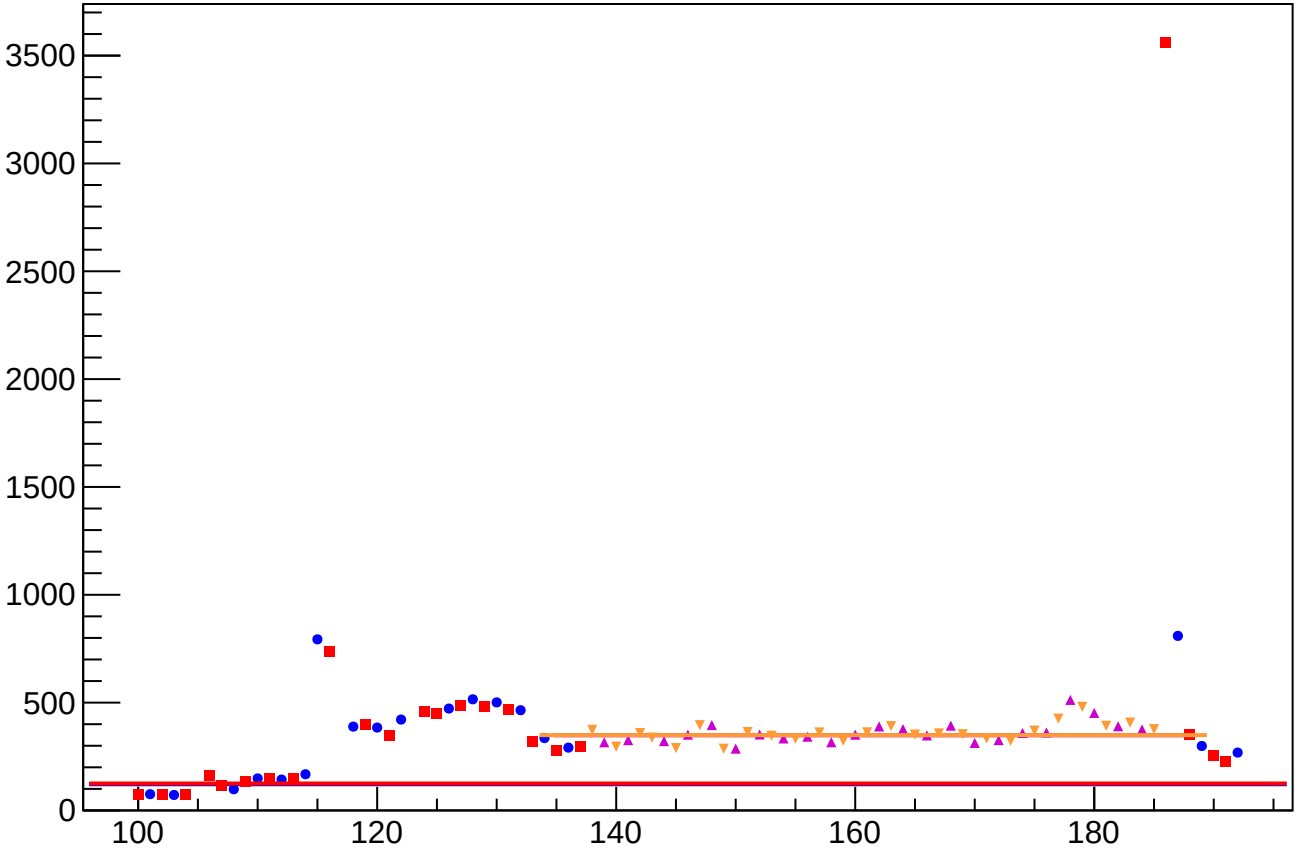
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

\+ sign -53.387+/-43.734 χ^2/NDF: 41.0/43

All: -20.328+/-30.994 χ^2/NDF: 100.6/89

\- sign 13.029+/-43.931 χ^2/NDF: 58.4/45

asym_sam_15_avg_dit_correction_rms vs Slug



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

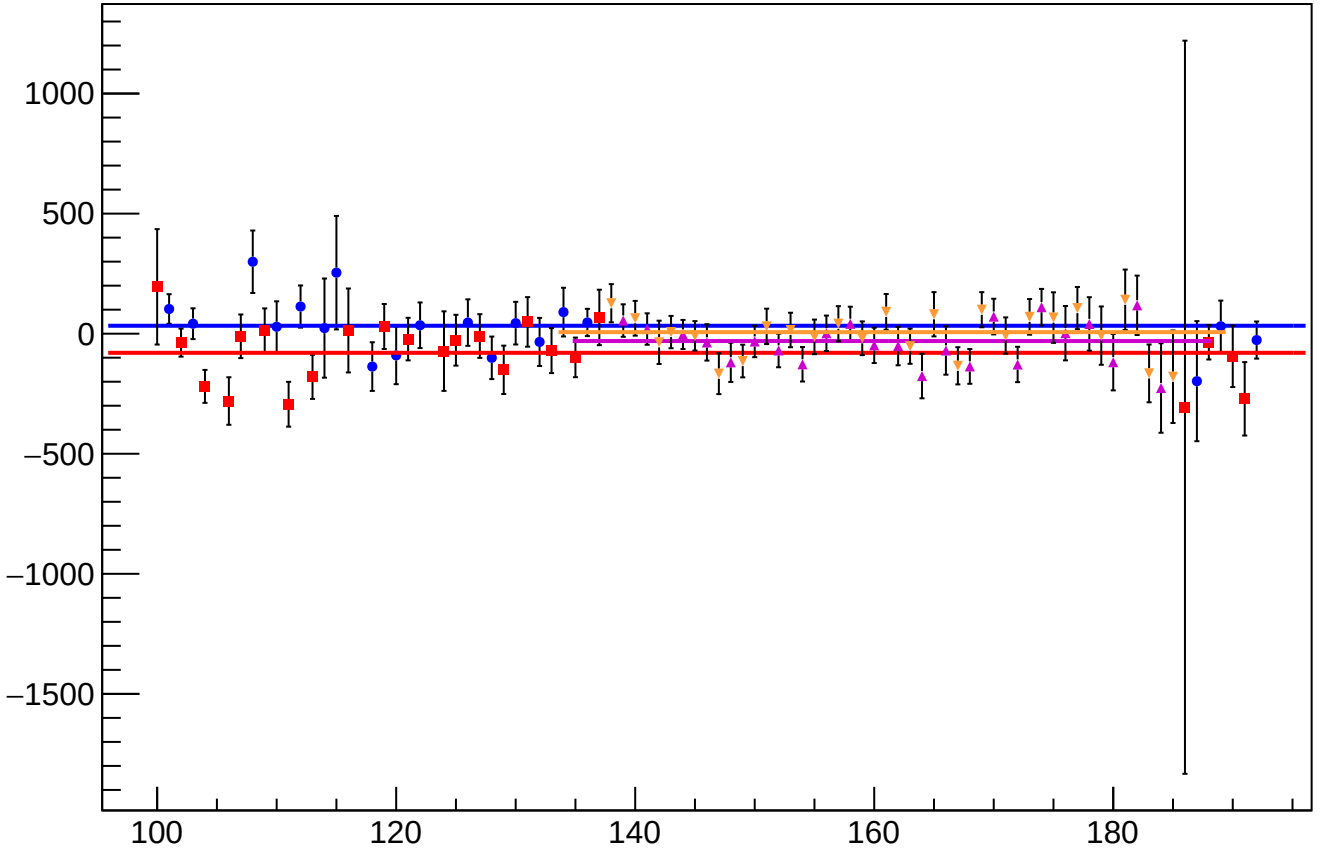
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 189.314+/-0.031 χ^2/NDF: 18678844.5/43

All: 189.027+/-0.022 χ^2/NDF: 36719796.2/89

- sign 188.737+/-0.031 χ^2/NDF: 18040778.8/45

eigen_dit_asym_sam_15_avg_mean vs Slug



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

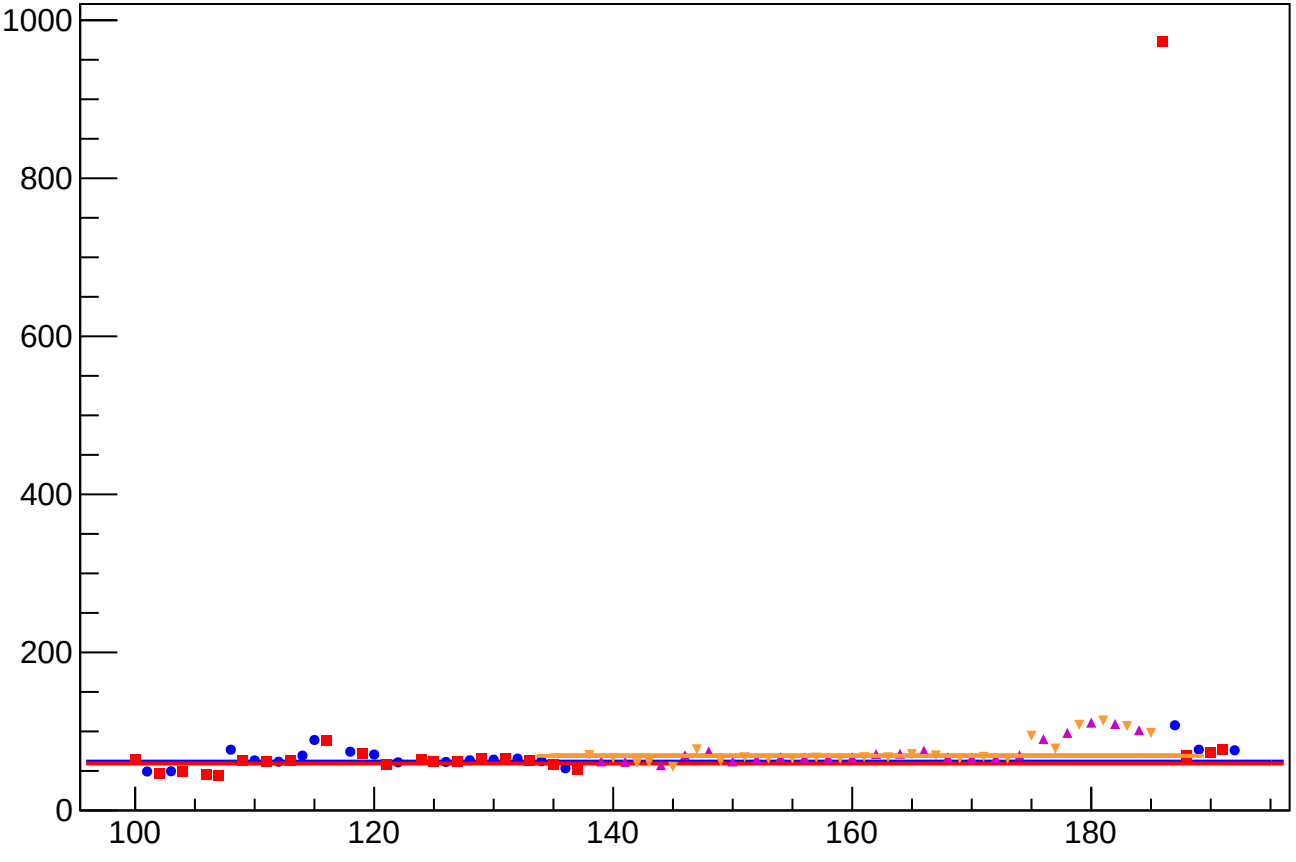
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 16.135+/-12.740 χ^2/NDF: 41.7/43

All: -16.945+/-9.024 χ^2/NDF: 108.1/89

- sign -50.258+/-12.785 χ^2/NDF: 52.8/45

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 61.772+/-0.015 χ^2/NDF: 480254.8/18

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

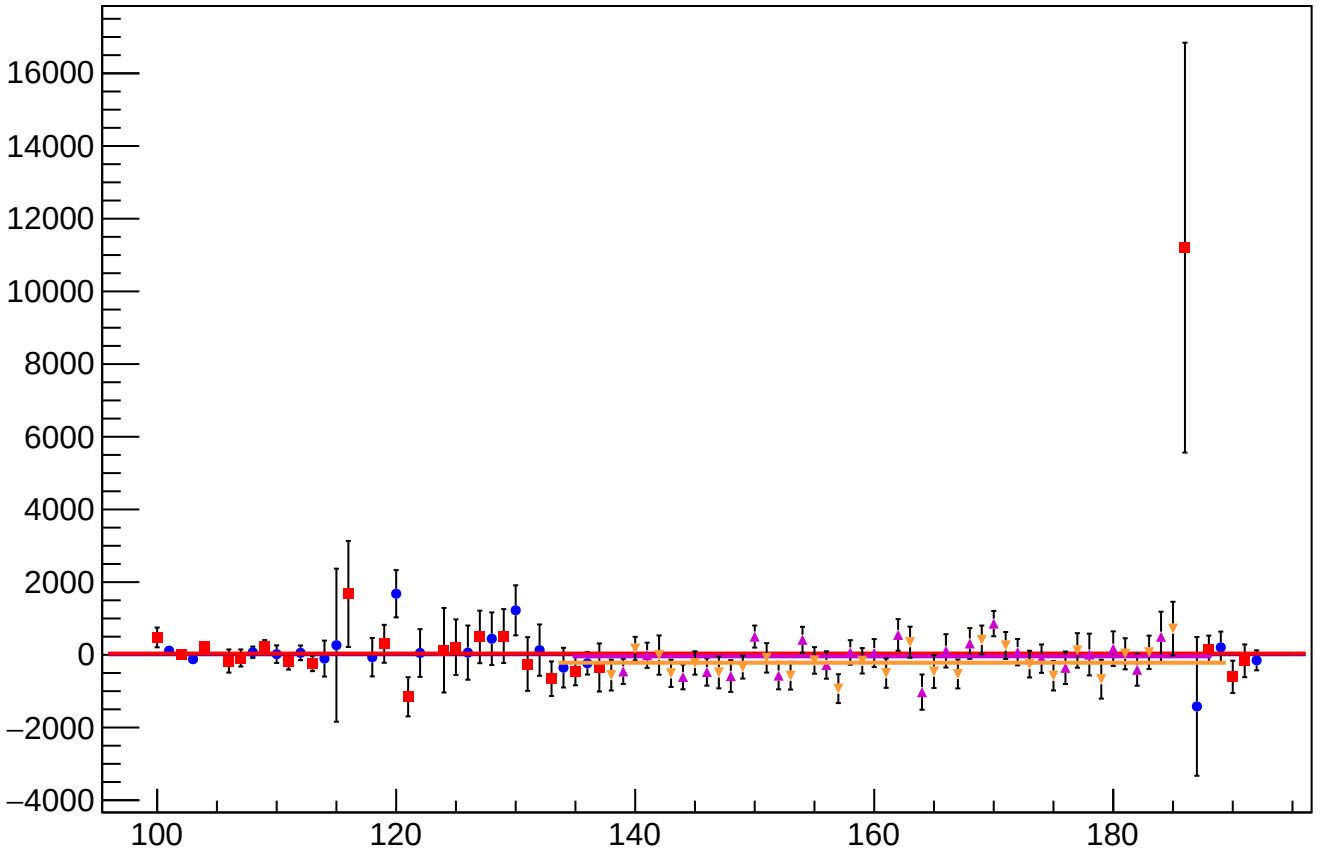
Right Out: 59.439+/-0.014 χ^2/NDF: 1171464.9/22

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 66.417+/-0.009 χ^2/NDF: 1706575.2/43

All: 65.930+/-0.006 χ^2/NDF: 4101953.7/89

- sign 65.439+/-0.009 χ^2/NDF: 2389502.1/45



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

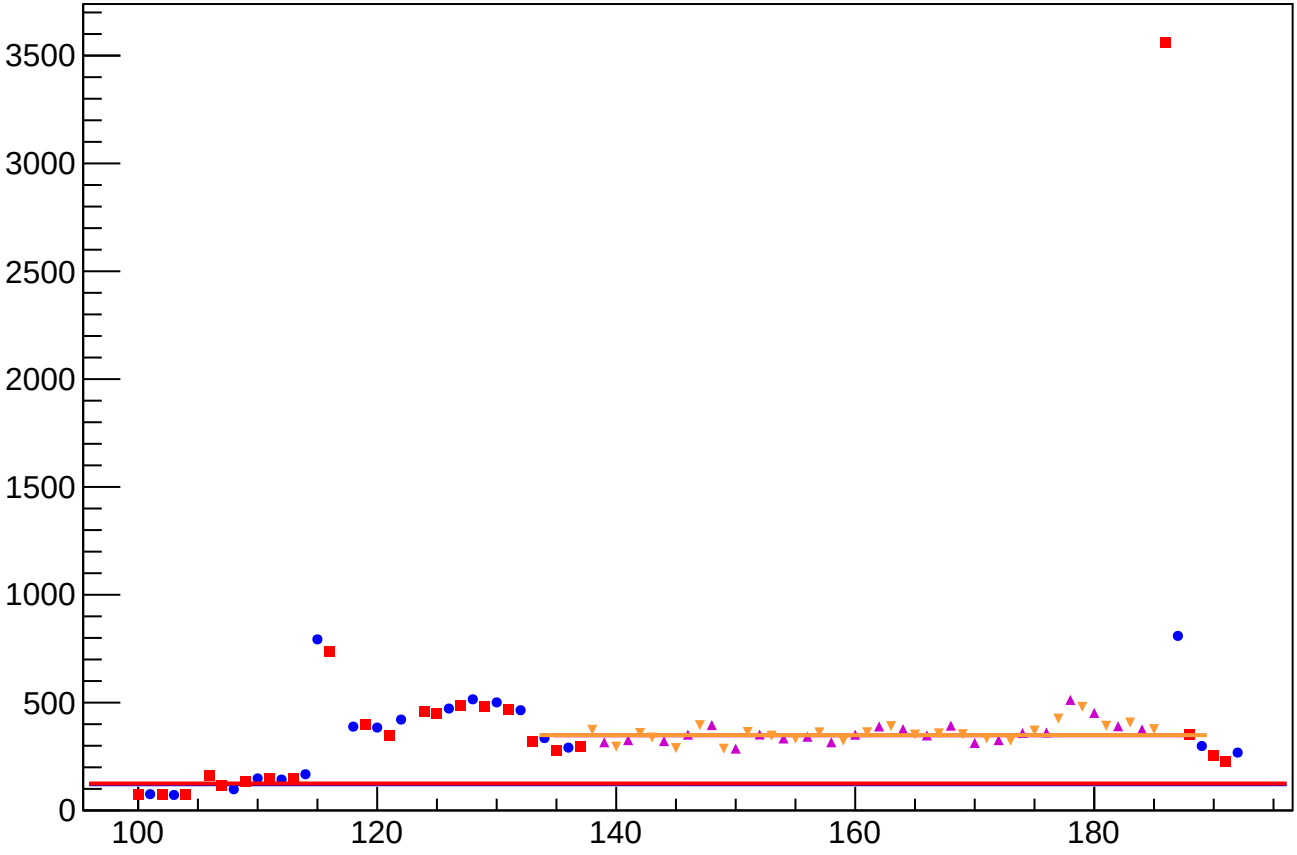
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -53.387+/-43.734 χ^2/NDF: 41.0/43

All: -20.328+/-30.994 χ^2/NDF: 100.6/89

- sign 13.029+/-43.931 χ^2/NDF: 58.4/45

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



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

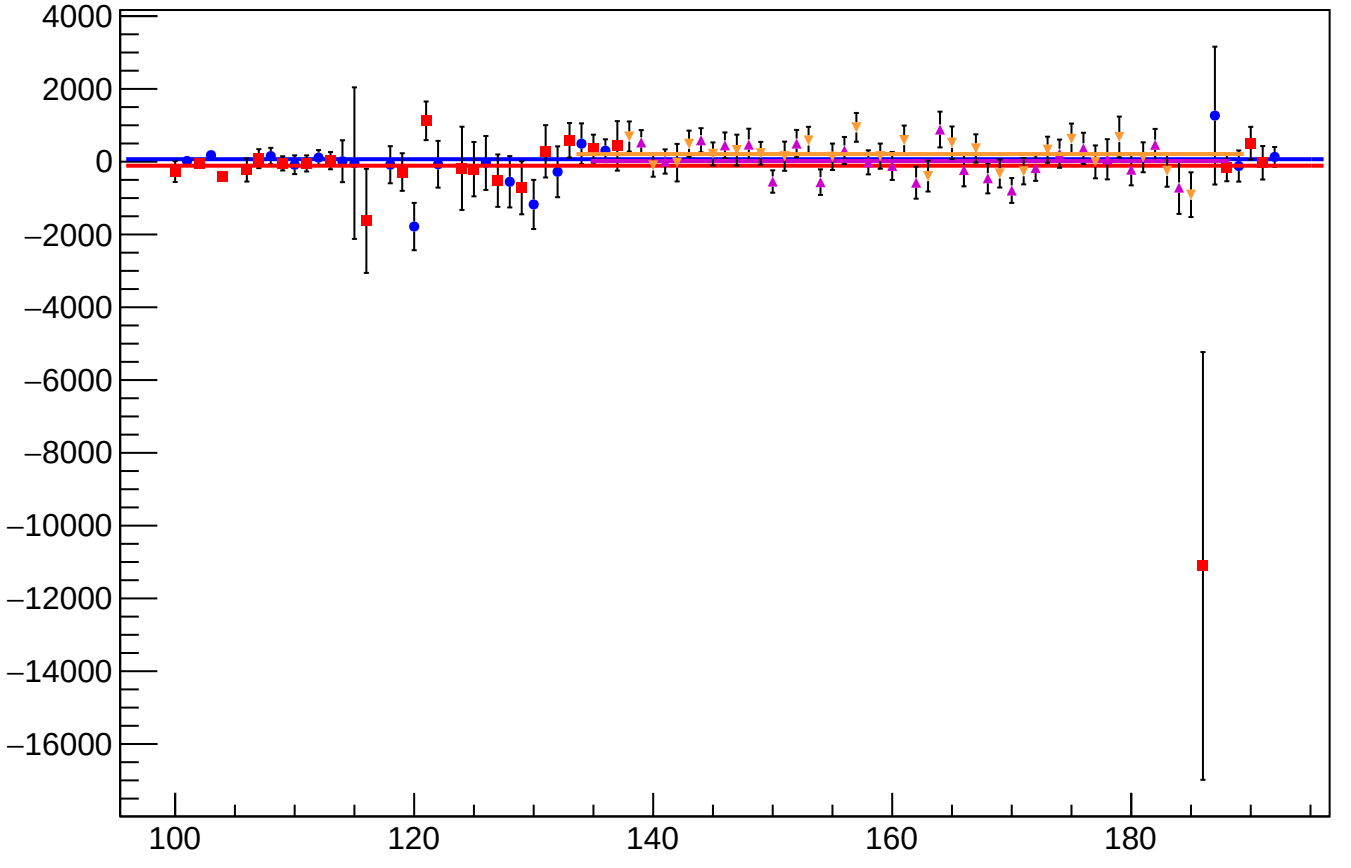
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 189.314+/-0.031 χ^2/NDF: 18678908.8/43

All: 189.027+/-0.022 χ^2/NDF: 36719948.0/89

- sign 188.737+/-0.031 χ^2/NDF: 18040866.1/45

asym_sam_15_avg_mean vs Slug



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

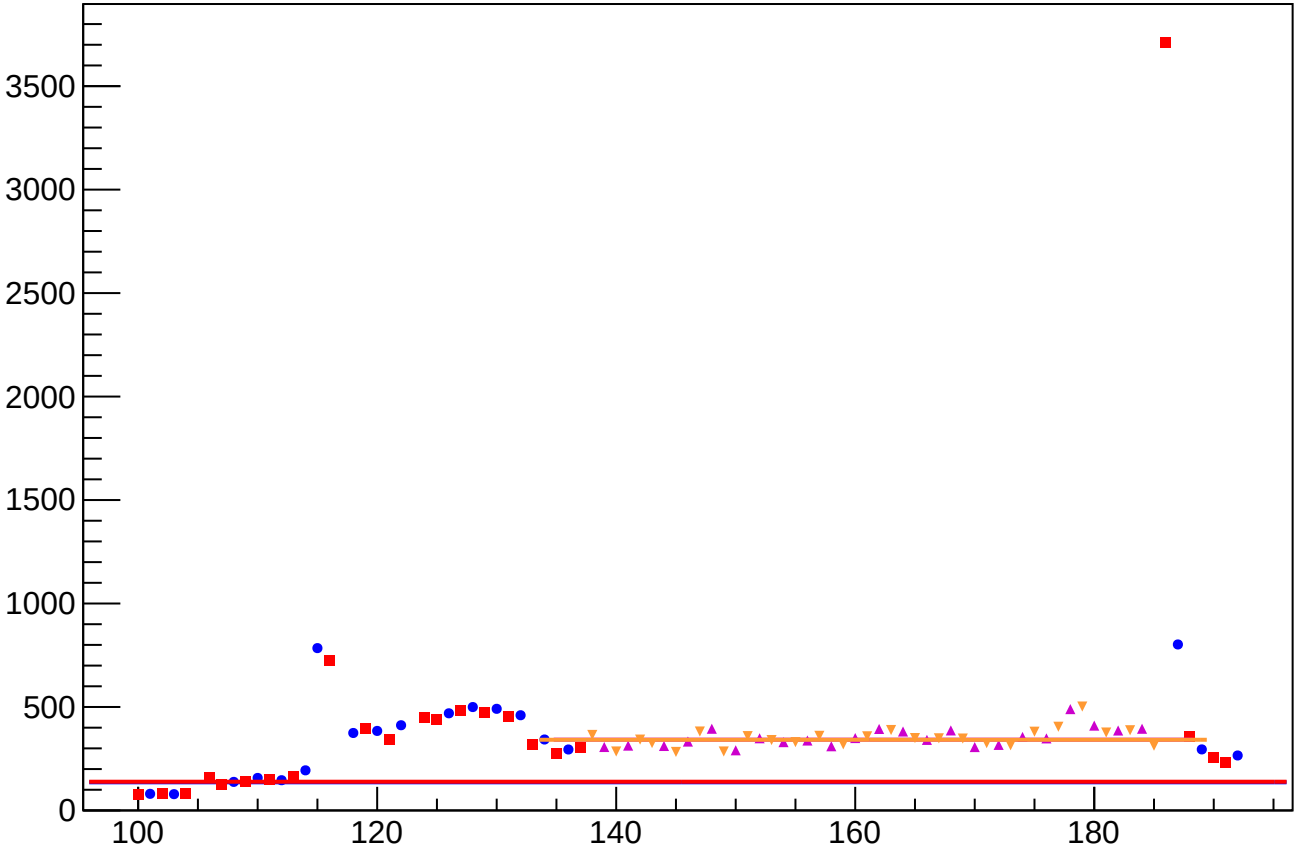
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 117.372+/-46.270 χ^2/NDF: 40.0/43

All: 24.588+/-32.699 χ^2/NDF: 108.4/89

- sign -67.975+/-46.215 χ^2/NDF: 60.3/45

asym_sam_15_avg_rms vs Slug



Right In: 135.961+/-0.040 χ^2/NDF: 6251750.2/18

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

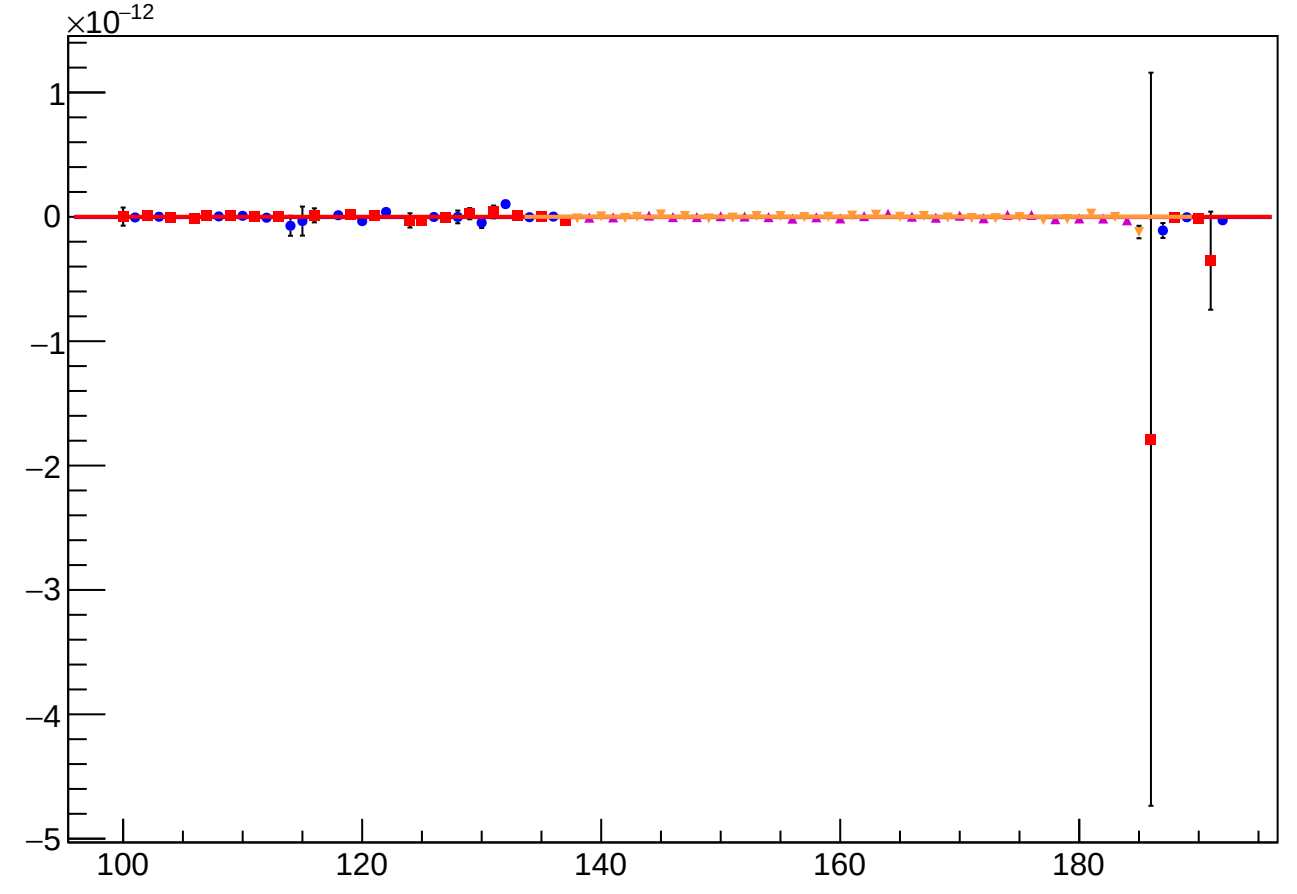
Right Out: 138.855+/-0.040 χ^2/NDF: 6320238.6/22

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 207.380+/-0.033 χ^2/NDF: 15759764.3/43

All: 206.420+/-0.023 χ^2/NDF: 31079544.9/89

- sign 205.462+/-0.033 χ^2/NDF: 15318059.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11.8/22

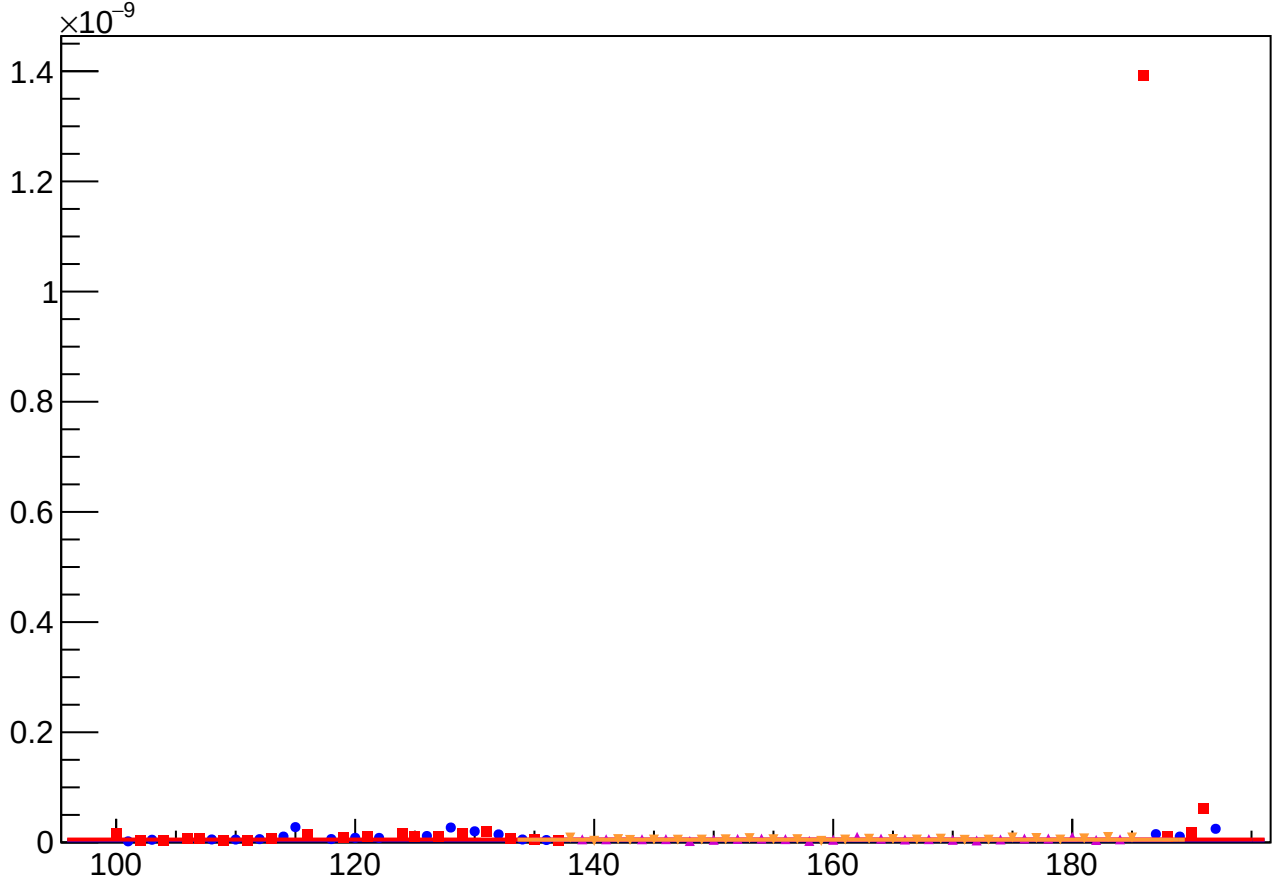
Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.6/43

All: -0.000+/-0.000 χ^2/NDF: 83.1/89

- sign -0.000+/-0.000 χ^2/NDF: 32.4/45

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug



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

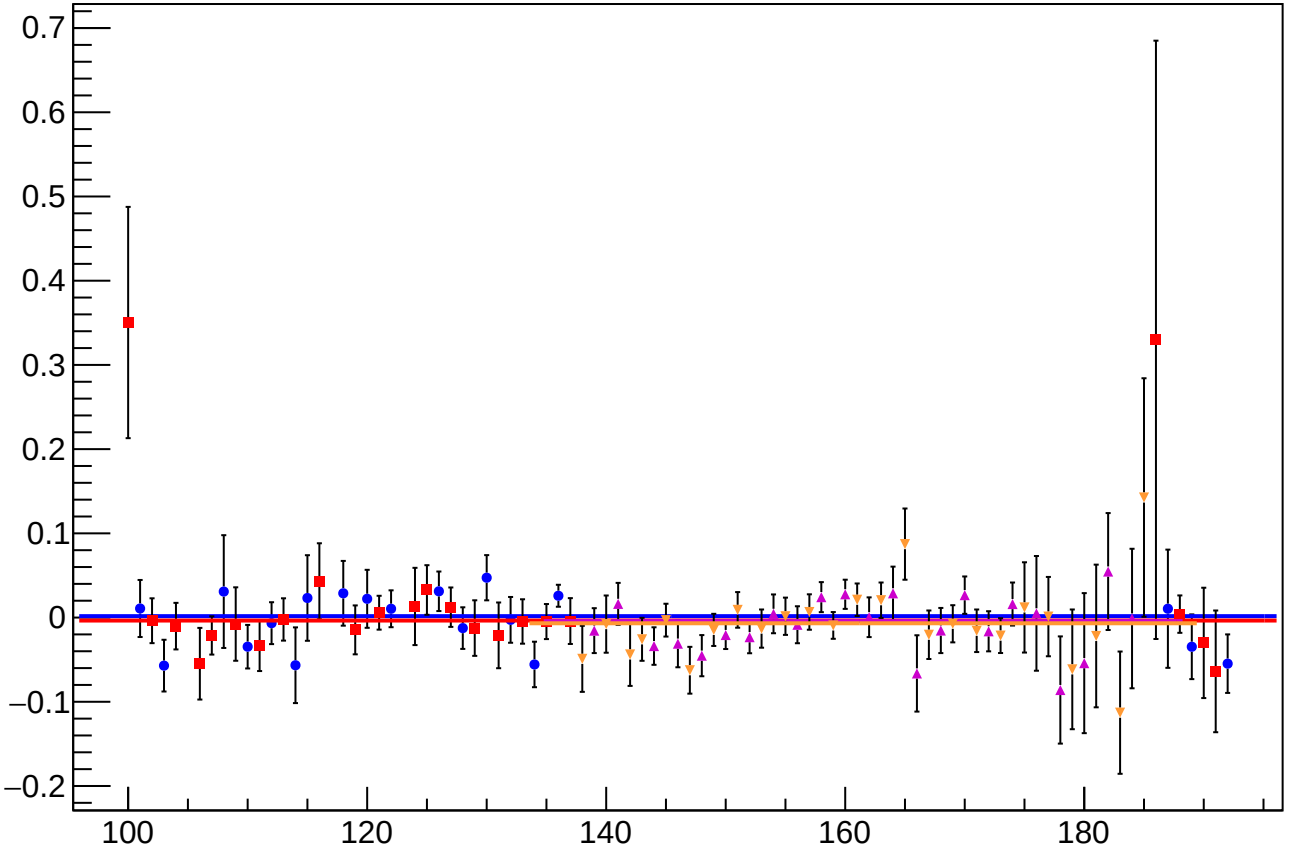
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4646971.0/43

All: 0.000+/-0.000 χ^2/NDF: 8178930.1/89

- sign 0.000+/-0.000 χ^2/NDF: 3449096.1/45

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



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

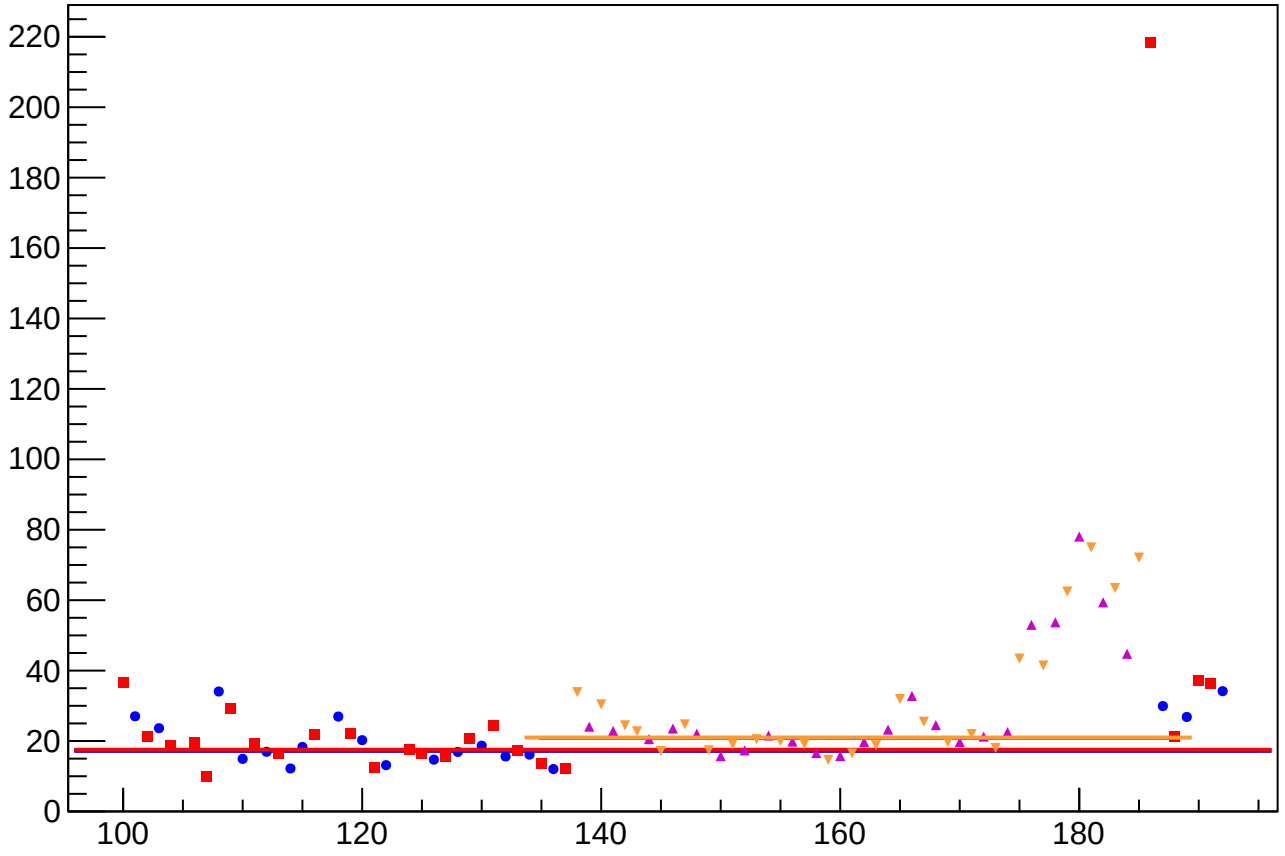
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 48.0/43

All: -0.004+/-0.003 χ^2/NDF: 86.7/89

- sign -0.004+/-0.004 χ^2/NDF: 38.7/45

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



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

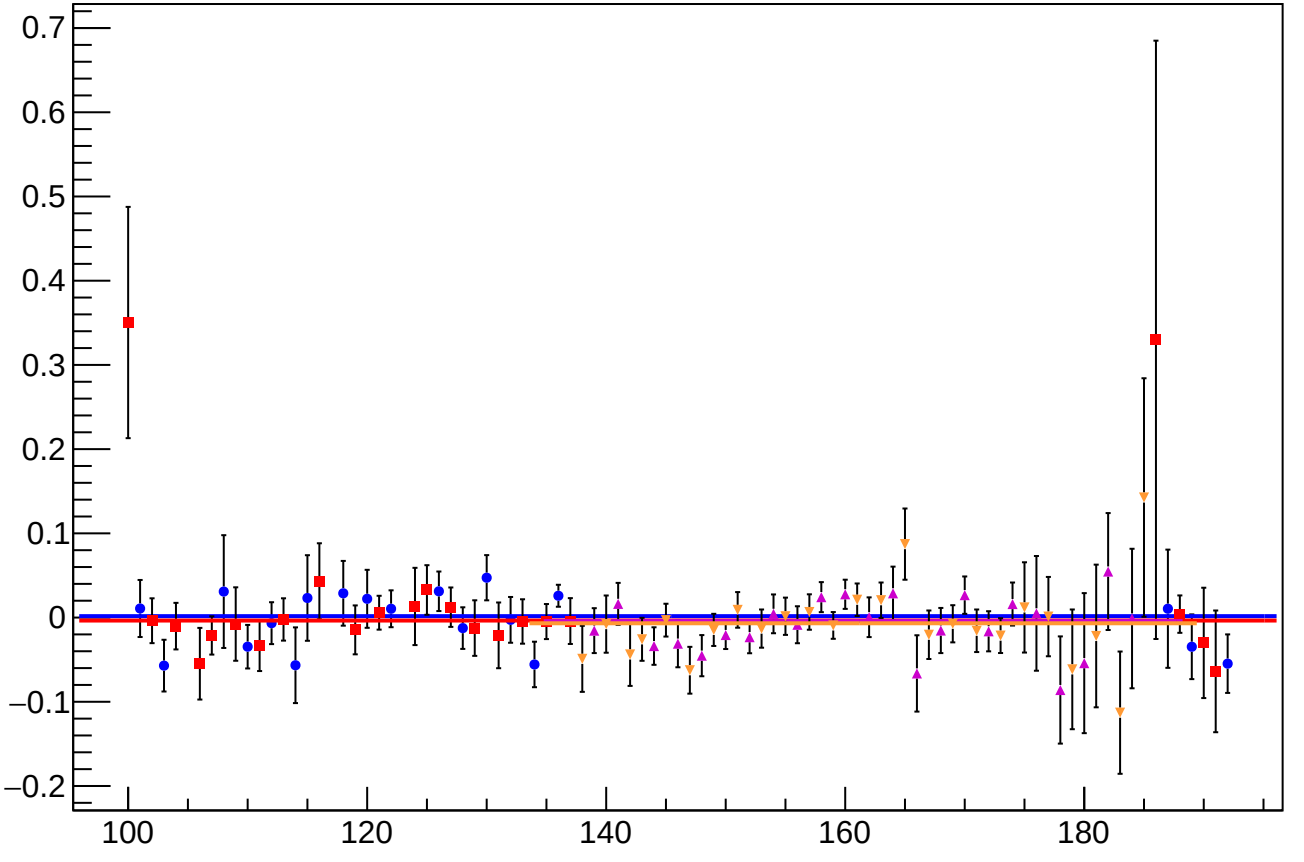
Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.463+/-0.003 χ^2/NDF: 6546035.2/43

All: 19.473+/-0.002 χ^2/NDF: 12314197.8/89

- sign 19.482+/-0.003 χ^2/NDF: 5768141.2/45

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



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

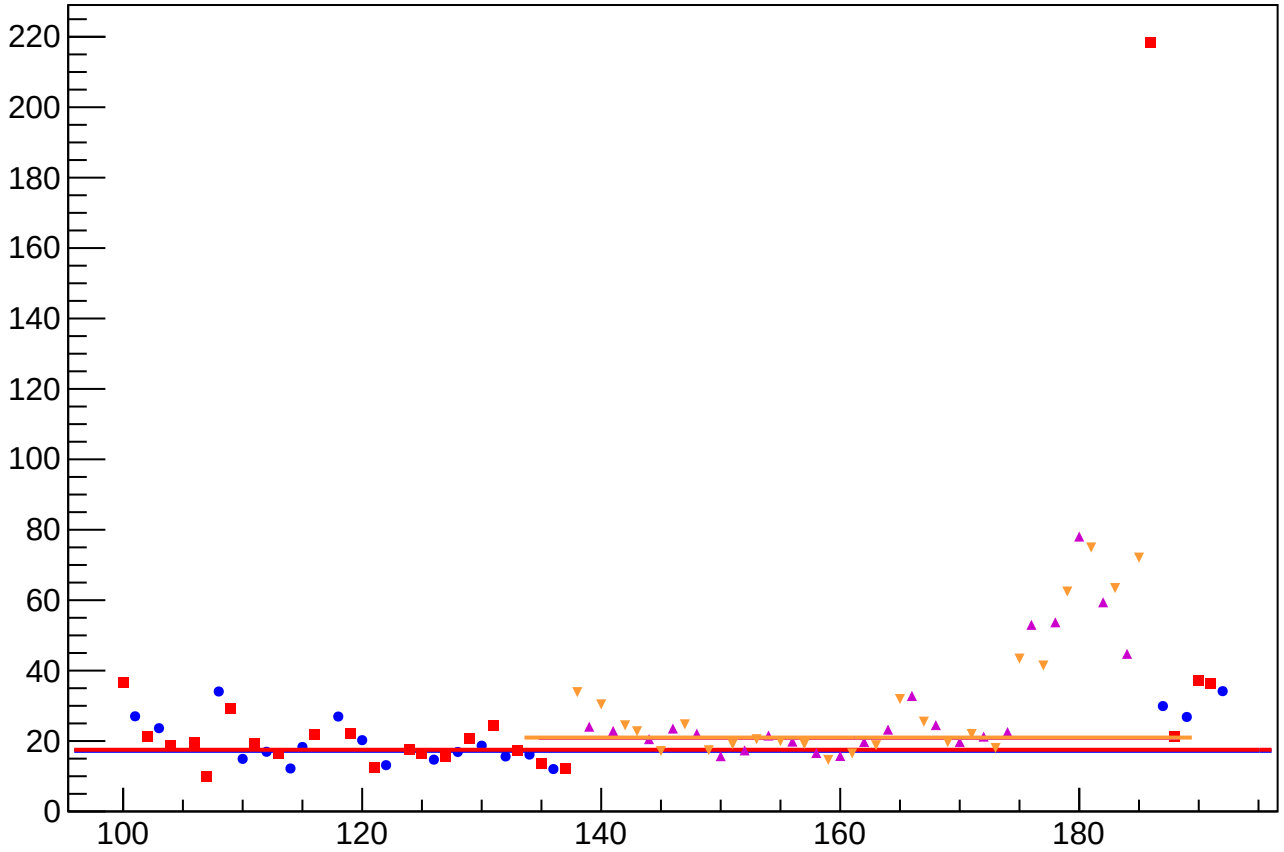
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 48.0/43

All: -0.004+/-0.003 χ^2/NDF: 86.7/89

- sign -0.004+/-0.004 χ^2/NDF: 38.7/45

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 17.213+/-0.004 χ^2/NDF: 1656735.8/18

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

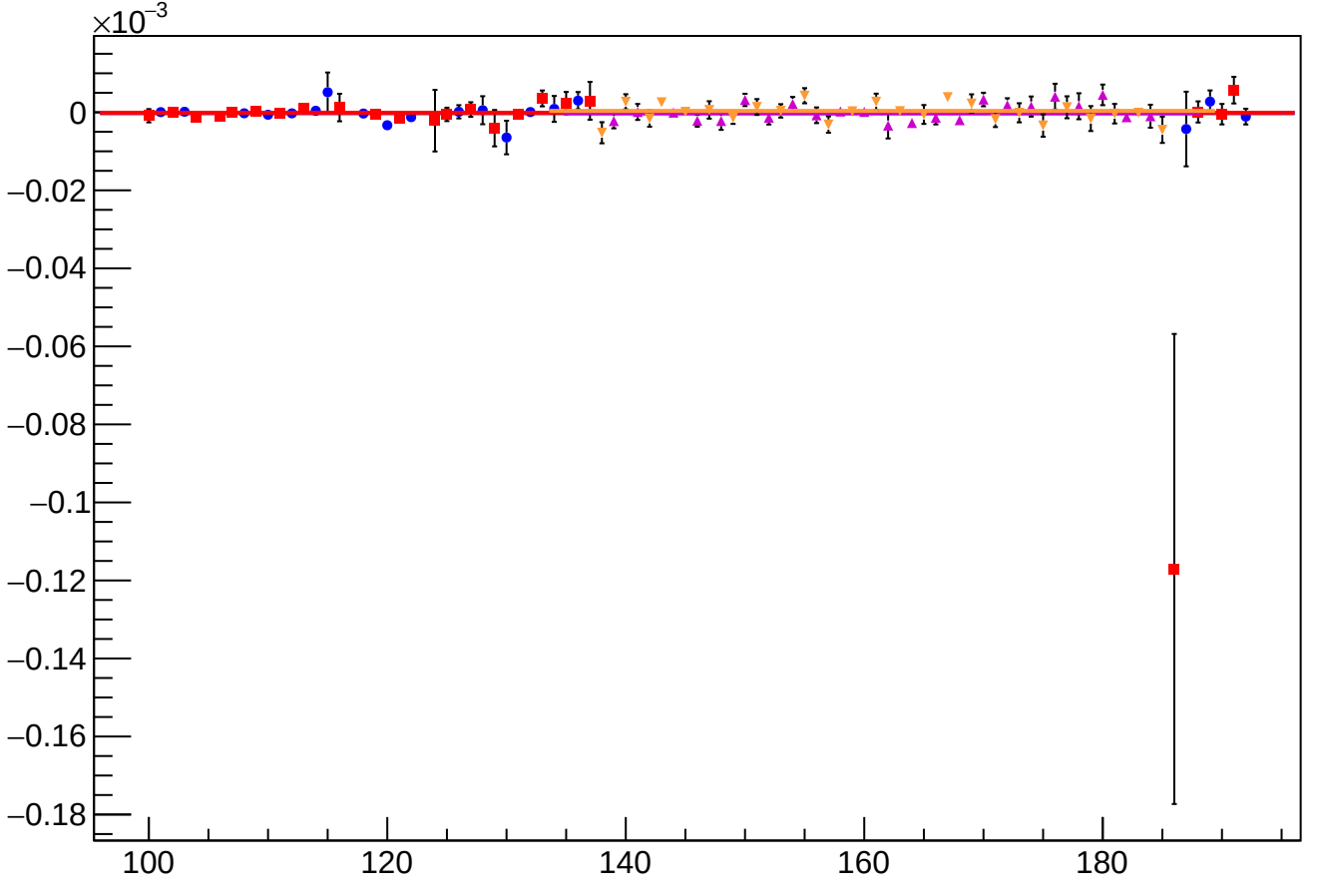
Right Out: 17.520+/-0.004 χ^2/NDF: 1901869.7/22

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.463+/-0.003 χ^2/NDF: 6546035.2/43

All: 19.473+/-0.002 χ^2/NDF: 12314197.8/89

- sign 19.482+/-0.003 χ^2/NDF: 5768141.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

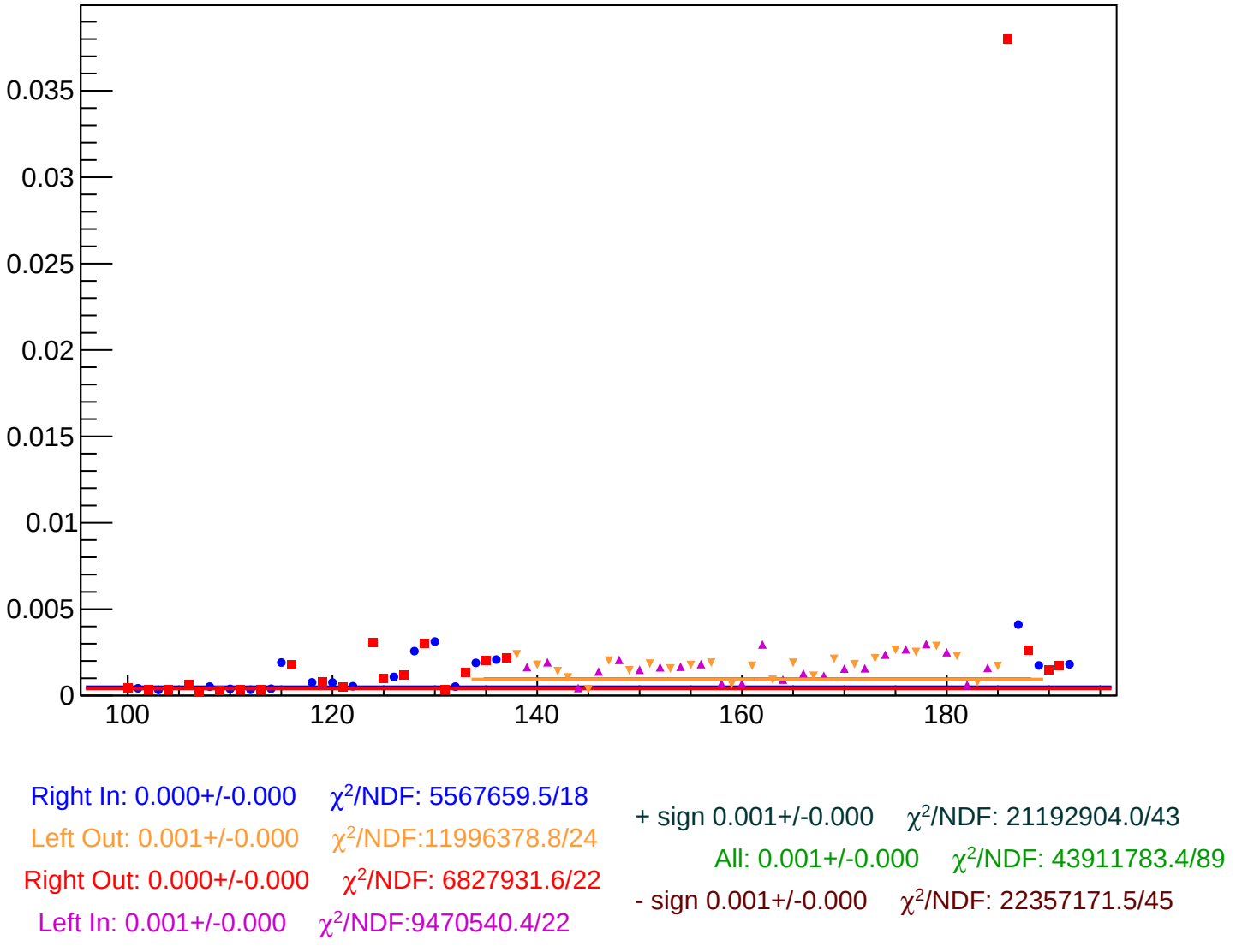
Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/22

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

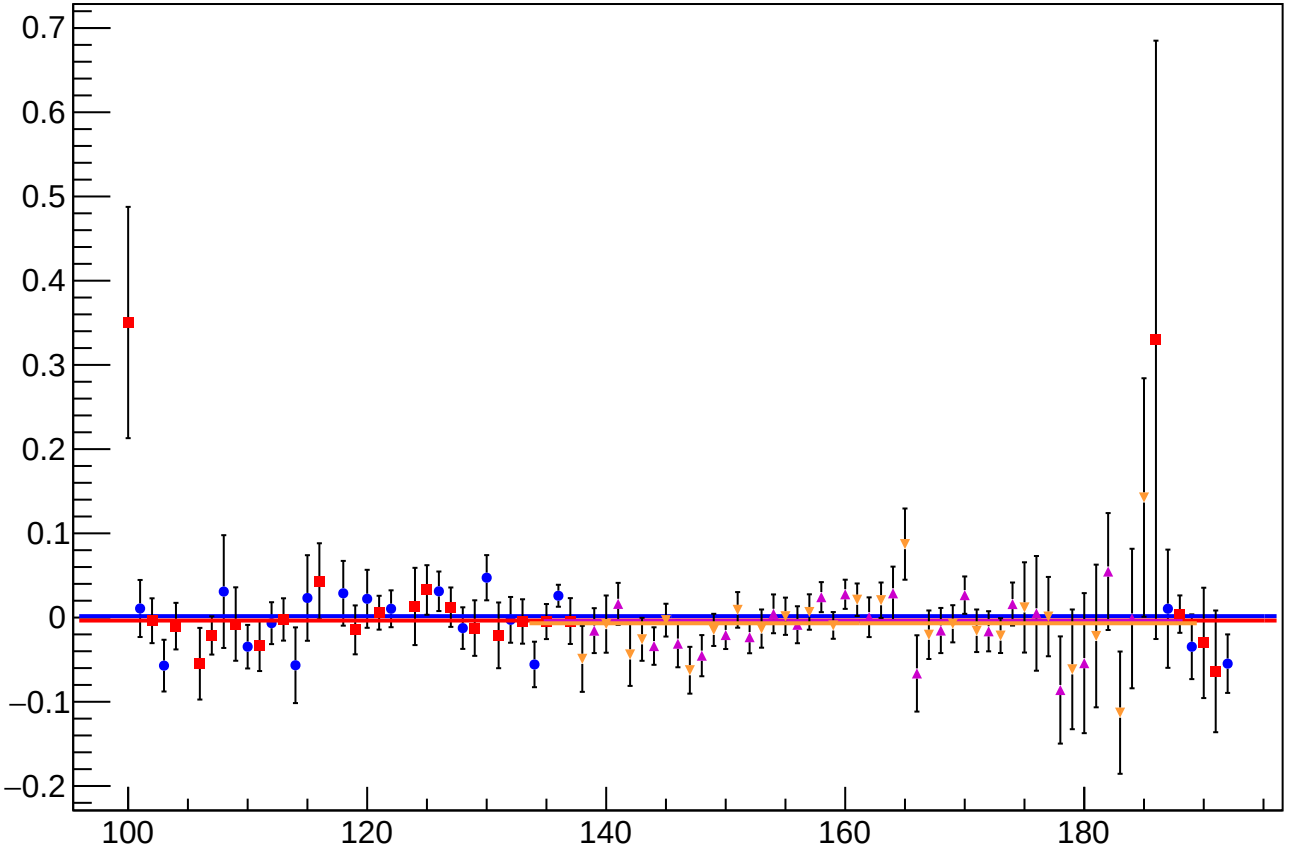
+ sign 0.000+/-0.000 χ^2/NDF: 53.1/43

All: -0.000+/-0.000 χ^2/NDF: 112.4/89

- sign -0.000+/-0.000 χ^2/NDF: 58.8/45


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 5567659.5/18
Left Out: 0.001+/-0.000 χ²/NDF:11996378.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6827931.6/22
Left In: 0.001+/-0.000 χ²/NDF:9470540.4/22
+ sign 0.001+/-0.000 χ²/NDF: 21192904.0/43
All: 0.001+/-0.000 χ²/NDF: 43911783.4/89
- sign 0.001+/-0.000 χ²/NDF: 22357171.5/45

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/18

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

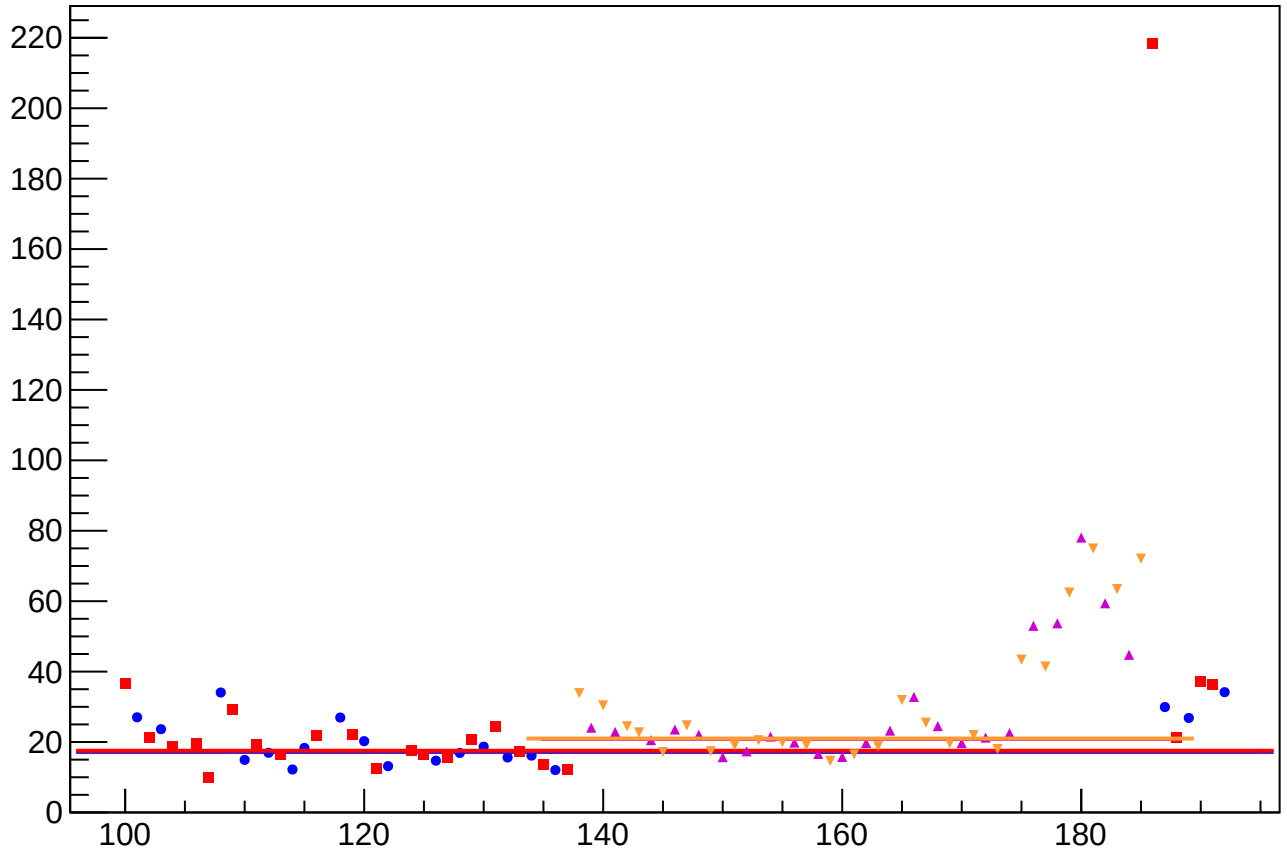
Right Out: -0.004+/-0.006 χ^2/NDF: 15.5/22

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 48.0/43

All: -0.004+/-0.003 χ^2/NDF: 86.7/89

- sign -0.004+/-0.004 χ^2/NDF: 38.7/45



Right In: 17.213+/-0.004 χ^2/NDF: 1656781.0/18

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

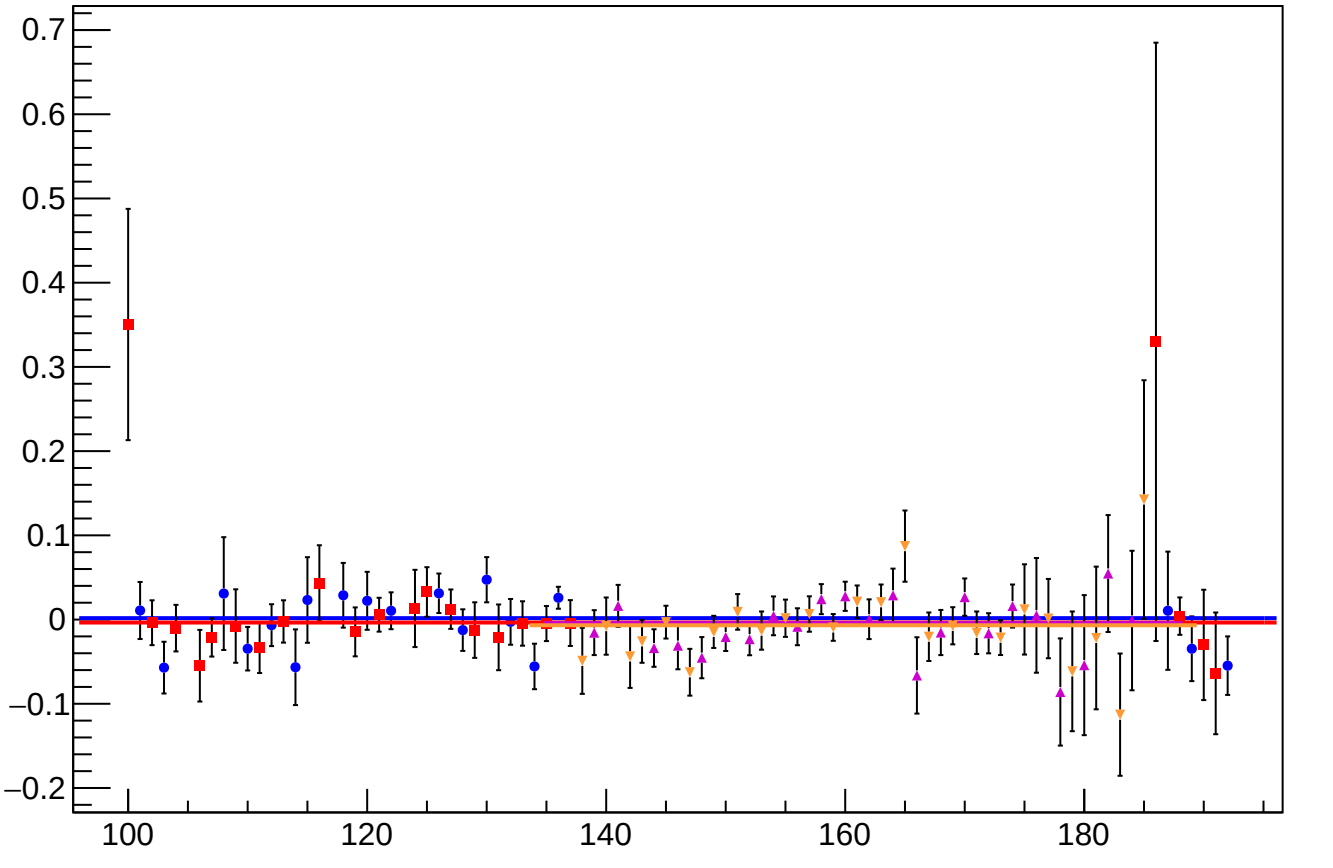
Right Out: 17.520+/-0.004 χ^2/NDF: 1901866.0/22

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.463+/-0.003 χ^2/NDF: 6546122.3/43

All: 19.473+/-0.002 χ^2/NDF: 12314387.7/89

- sign 19.482+/-0.003 χ^2/NDF: 5768244.2/45



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/18

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

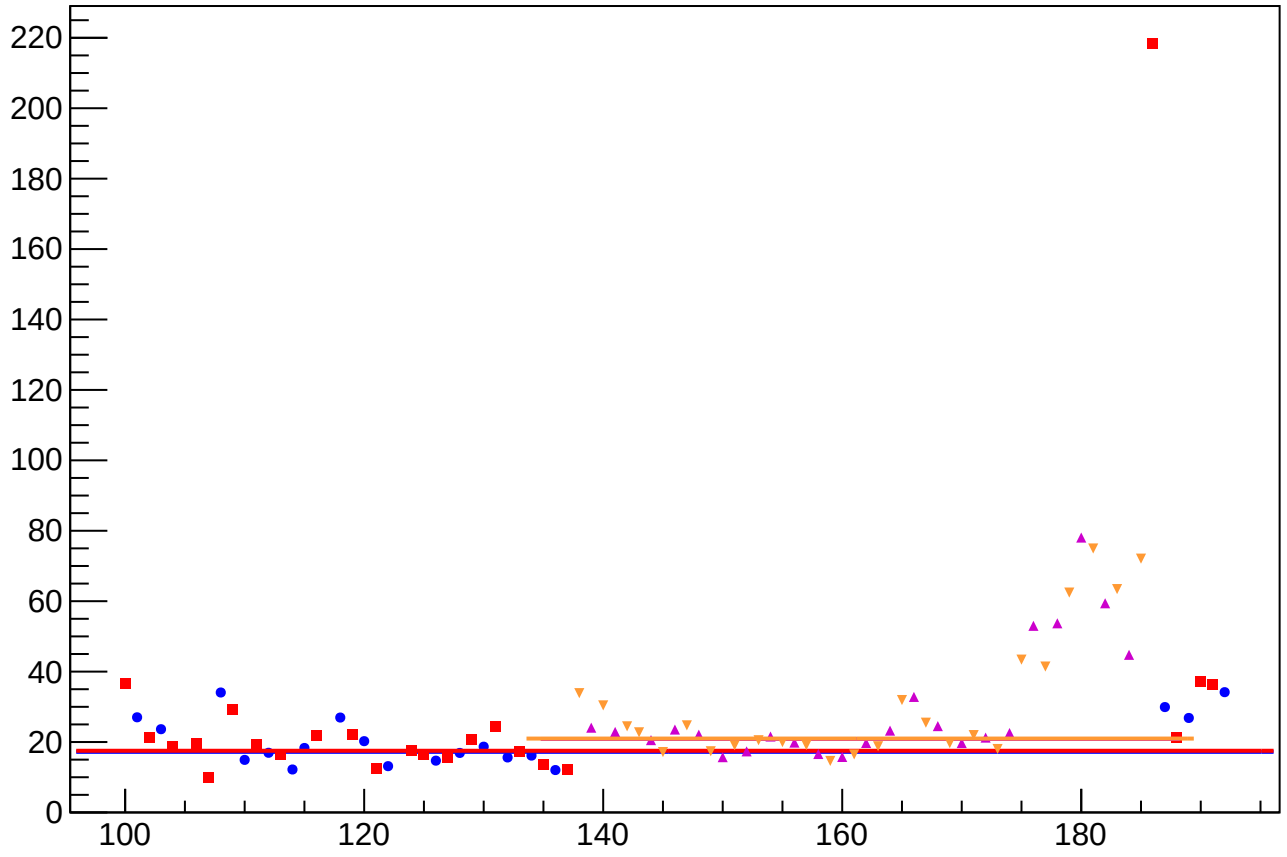
Right Out: -0.004+/-0.006 χ^2/NDF: 15.5/22

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 48.0/43

All: -0.004+/-0.003 χ^2/NDF: 86.7/89

- sign -0.004+/-0.004 χ^2/NDF: 38.7/45



Right In: 17.213+/-0.004 χ^2/NDF: 1656781.0/18

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

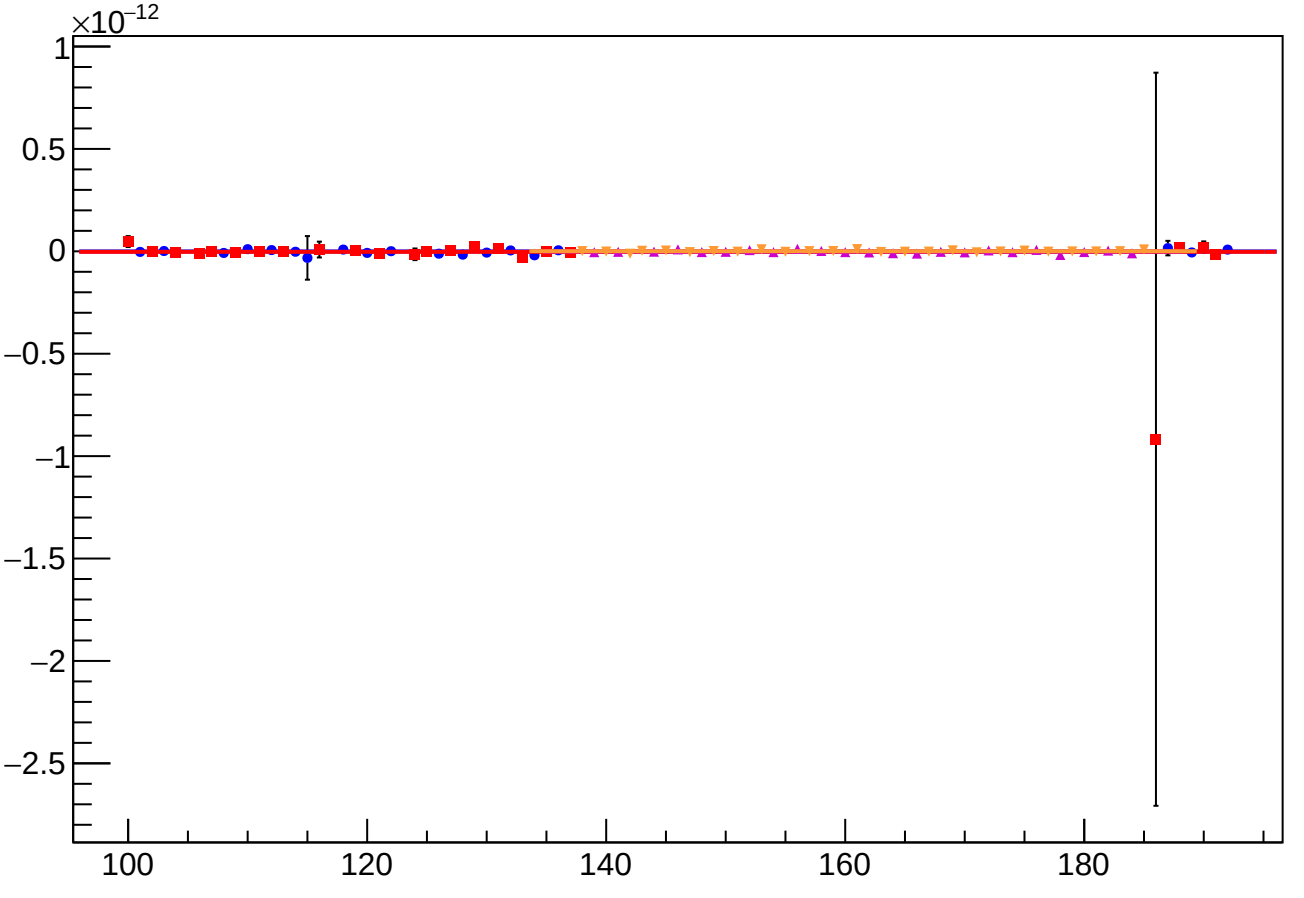
Right Out: 17.520+/-0.004 χ^2/NDF: 1901866.0/22

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.463+/-0.003 χ^2/NDF: 6546122.3/43

All: 19.473+/-0.002 χ^2/NDF: 12314387.7/89

- sign 19.482+/-0.003 χ^2/NDF: 5768244.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

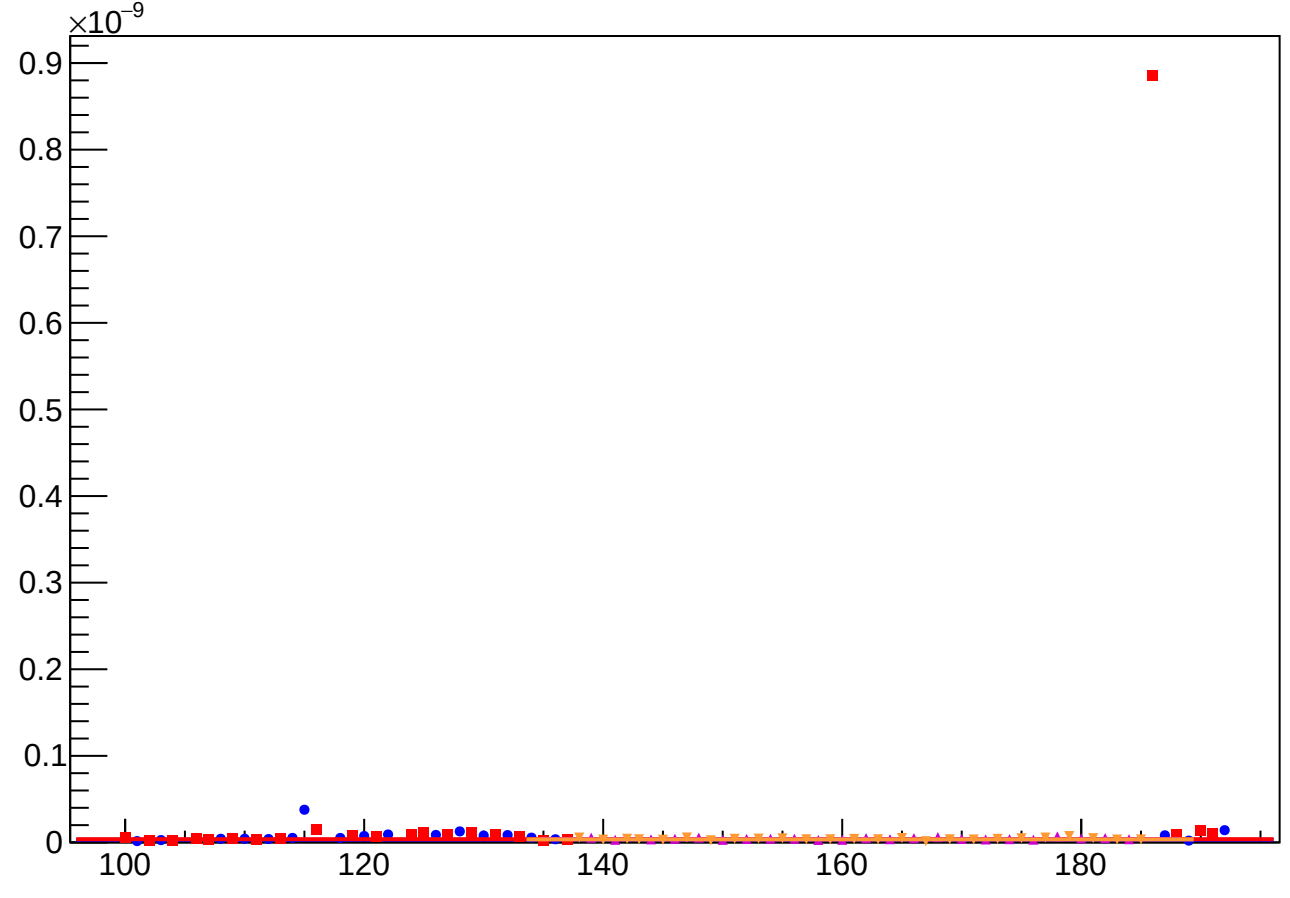
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/22

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.1/43

All: -0.000+/-0.000 χ^2/NDF: 74.9/89

- sign -0.000+/-0.000 χ^2/NDF: 45.6/45



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

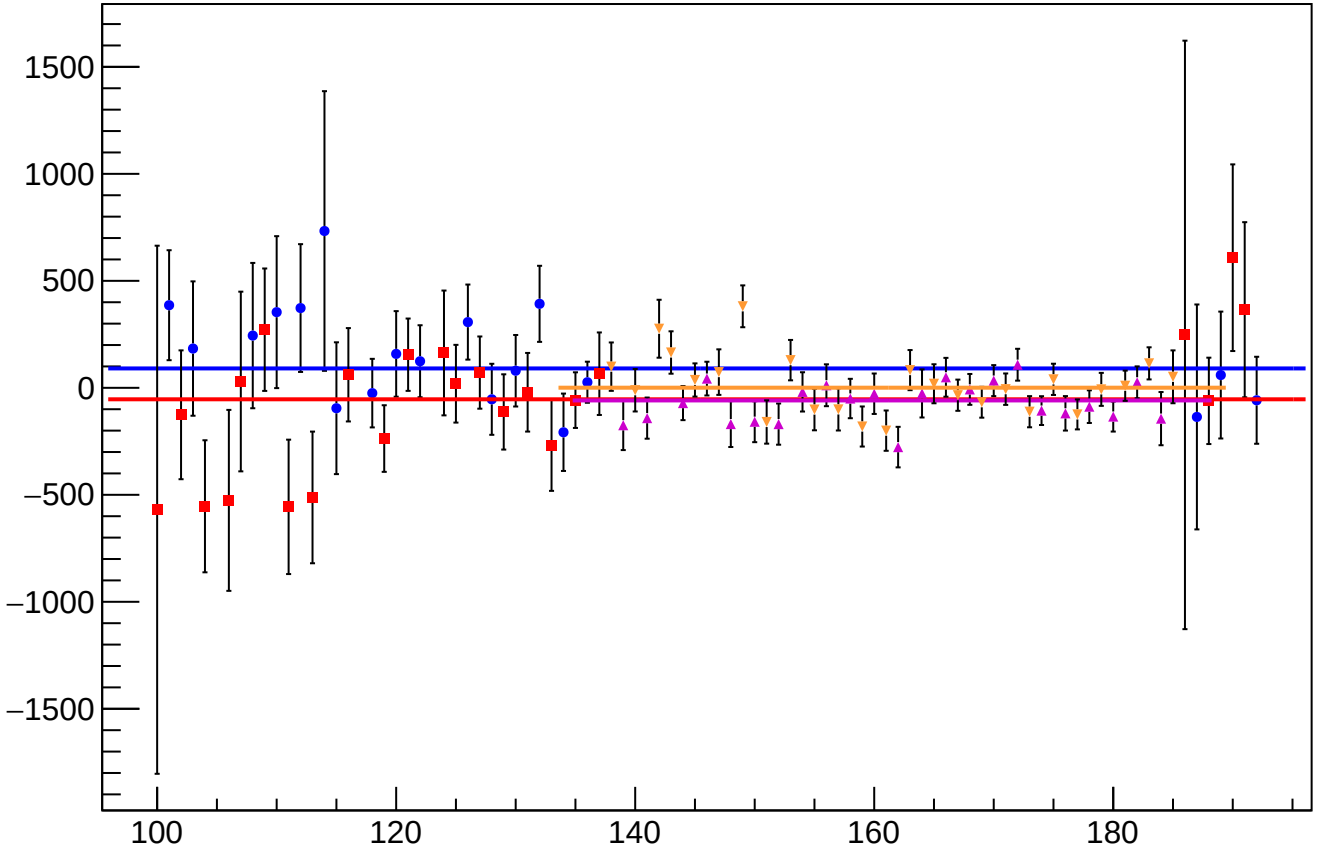
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6332563.0/43

All: 0.000+/-0.000 χ^2/NDF: 11679413.2/89

- sign 0.000+/-0.000 χ^2/NDF: 5102101.1/45

reg_asym_sam_26_avg_mean vs Slug



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

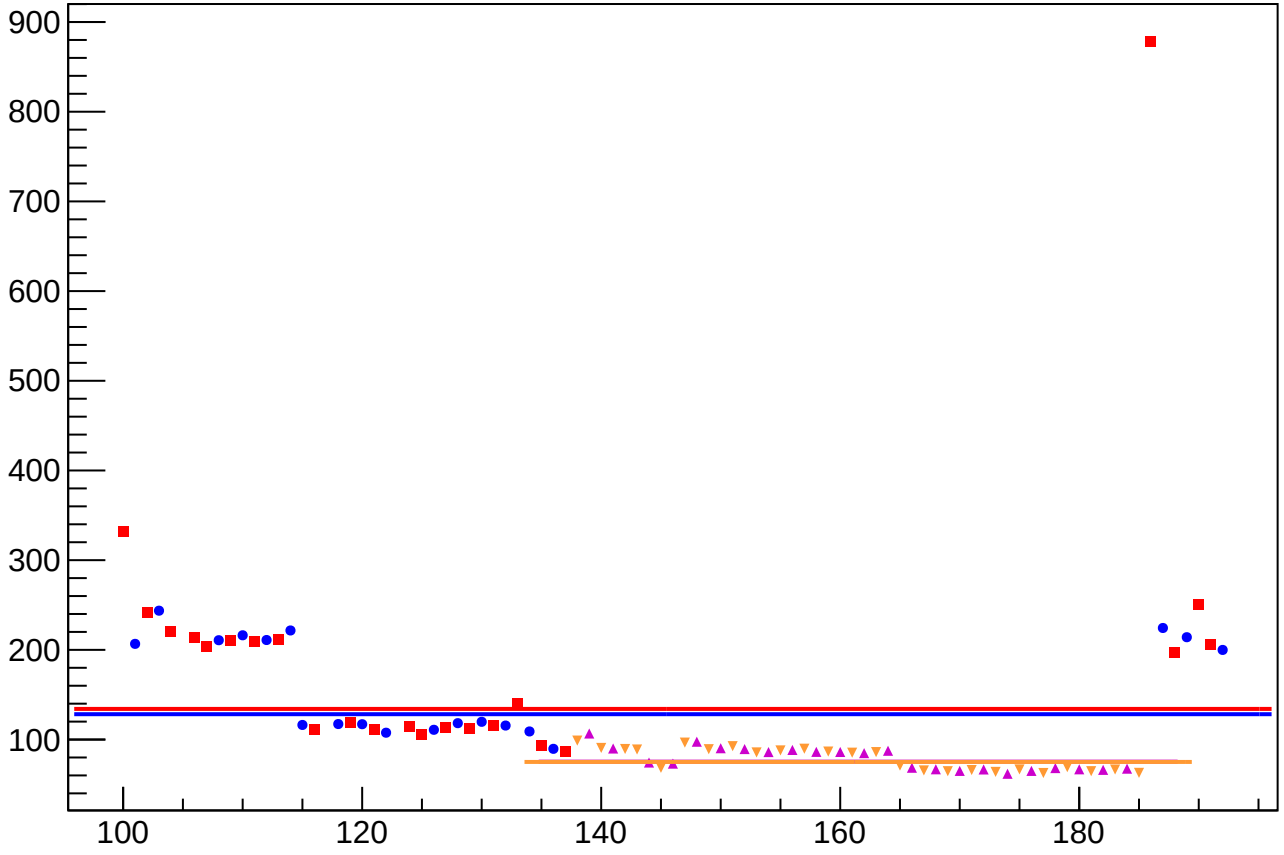
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 11.929+/-16.193 χ^2/NDF: 66.1/43

All: -22.027+/-11.633 χ^2/NDF: 120.7/89

- sign -58.244+/-16.723 χ^2/NDF: 45.5/45

reg_asym_sam_26_avg_rms vs Slug



Right In: 128.264+/-0.032 χ^2/NDF: 1812188.8/18

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

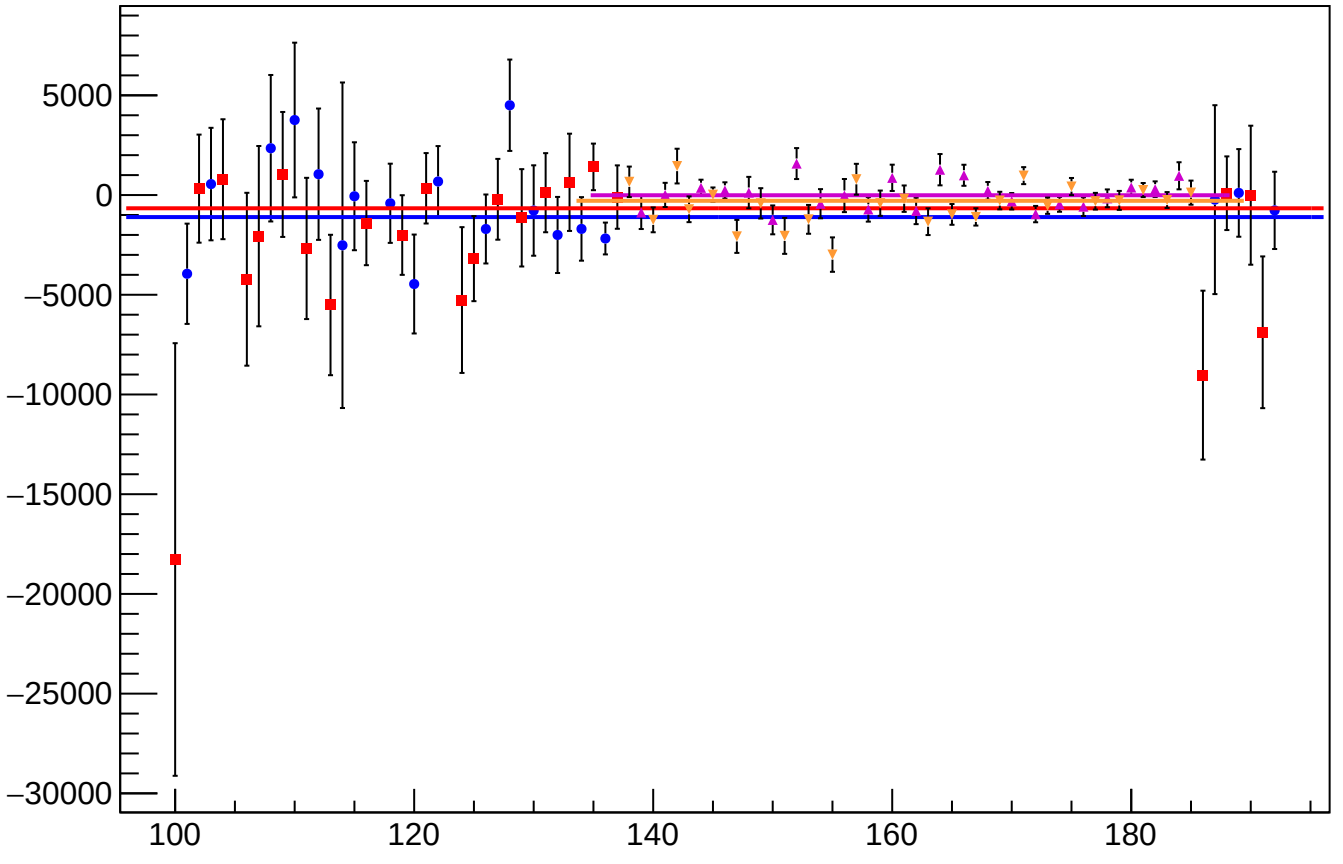
Right Out: 134.162+/-0.033 χ^2/NDF: 2494675.1/22

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 81.740+/-0.011 χ^2/NDF: 5117324.2/43

All: 82.209+/-0.008 χ^2/NDF: 11160065.4/89

- sign 82.709+/-0.012 χ^2/NDF: 6039273.9/45



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

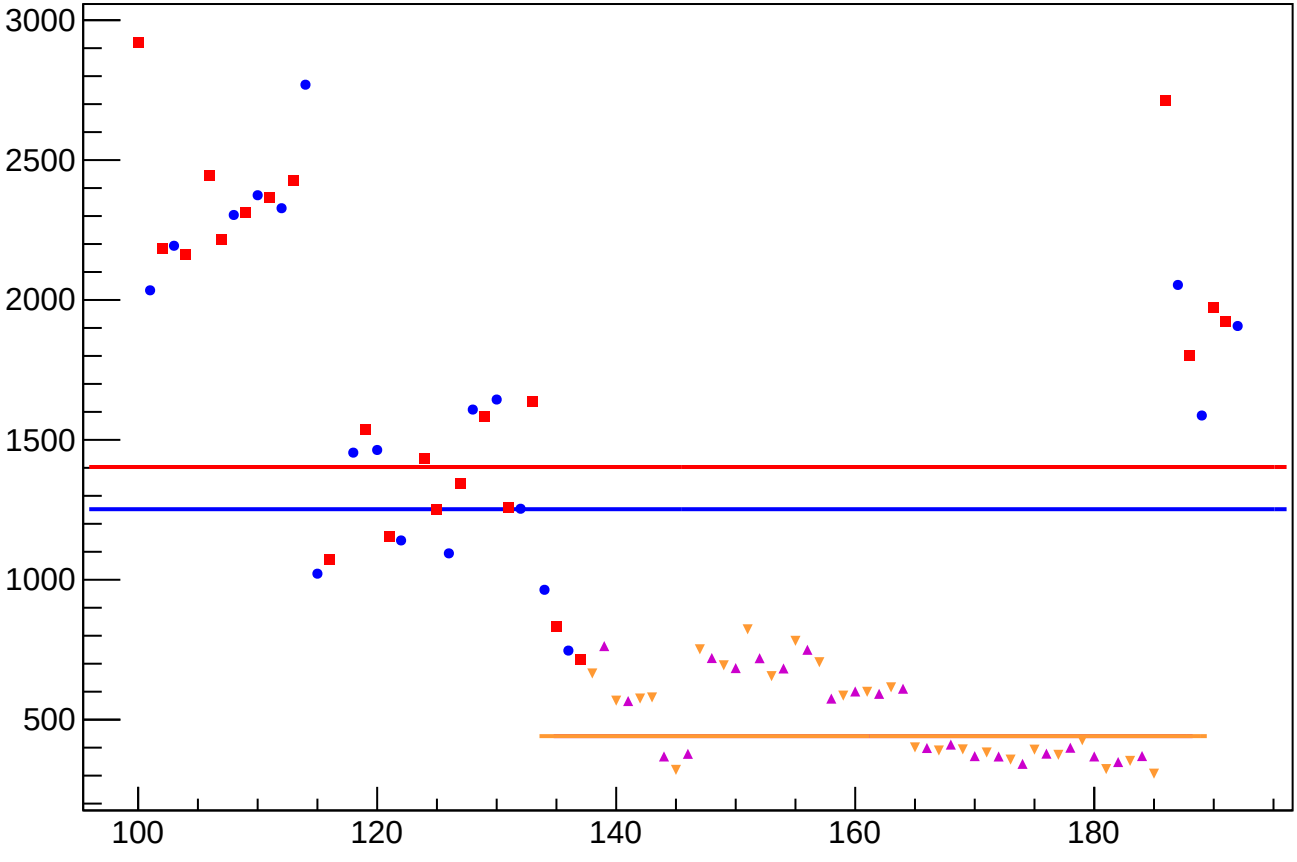
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -329.953+/-102.499 χ^2/NDF: 72.7/43

All: -189.065+/-73.399 χ^2/NDF: 132.4/89

- sign -40.781+/-105.156 χ^2/NDF: 55.9/45

asym_sam_26_avg_reg_correction_rms vs Slug



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

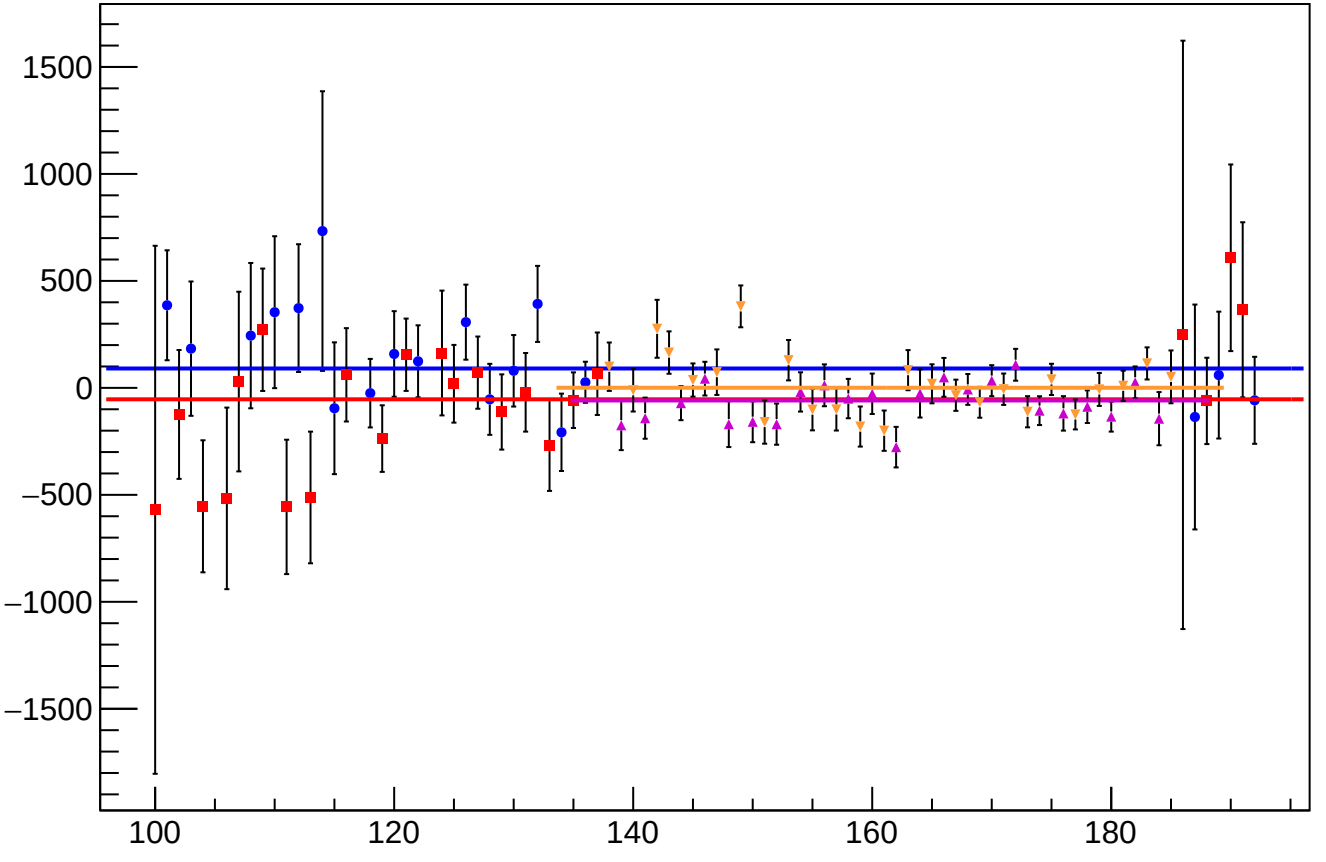
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 482.697+/-0.072 χ^2/NDF: 11736641.4/43

All: 484.105+/-0.052 χ^2/NDF: 24158498.6/89

- sign 485.587+/-0.074 χ^2/NDF: 12421082.8/45

cor_asym_sam_26_avg_mean vs Slug



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

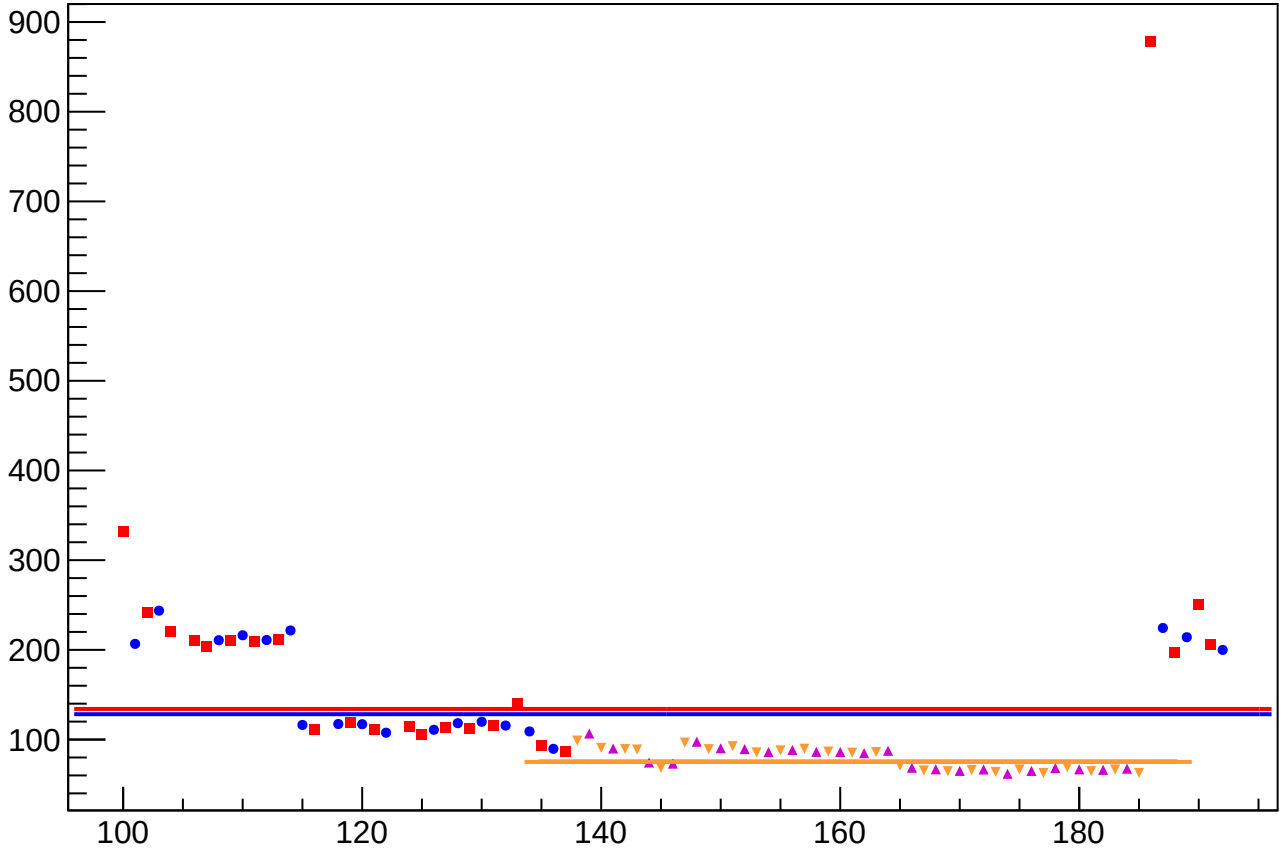
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 11.927+/-16.193 χ^2/NDF: 66.1/43

All: -22.014+/-11.633 χ^2/NDF: 120.6/89

- sign -58.216+/-16.724 χ^2/NDF: 45.4/45

cor_asym_sam_26_avg_rms vs Slug



Right In: 128.264+/-0.032 χ^2/NDF: 1812191.3/18

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

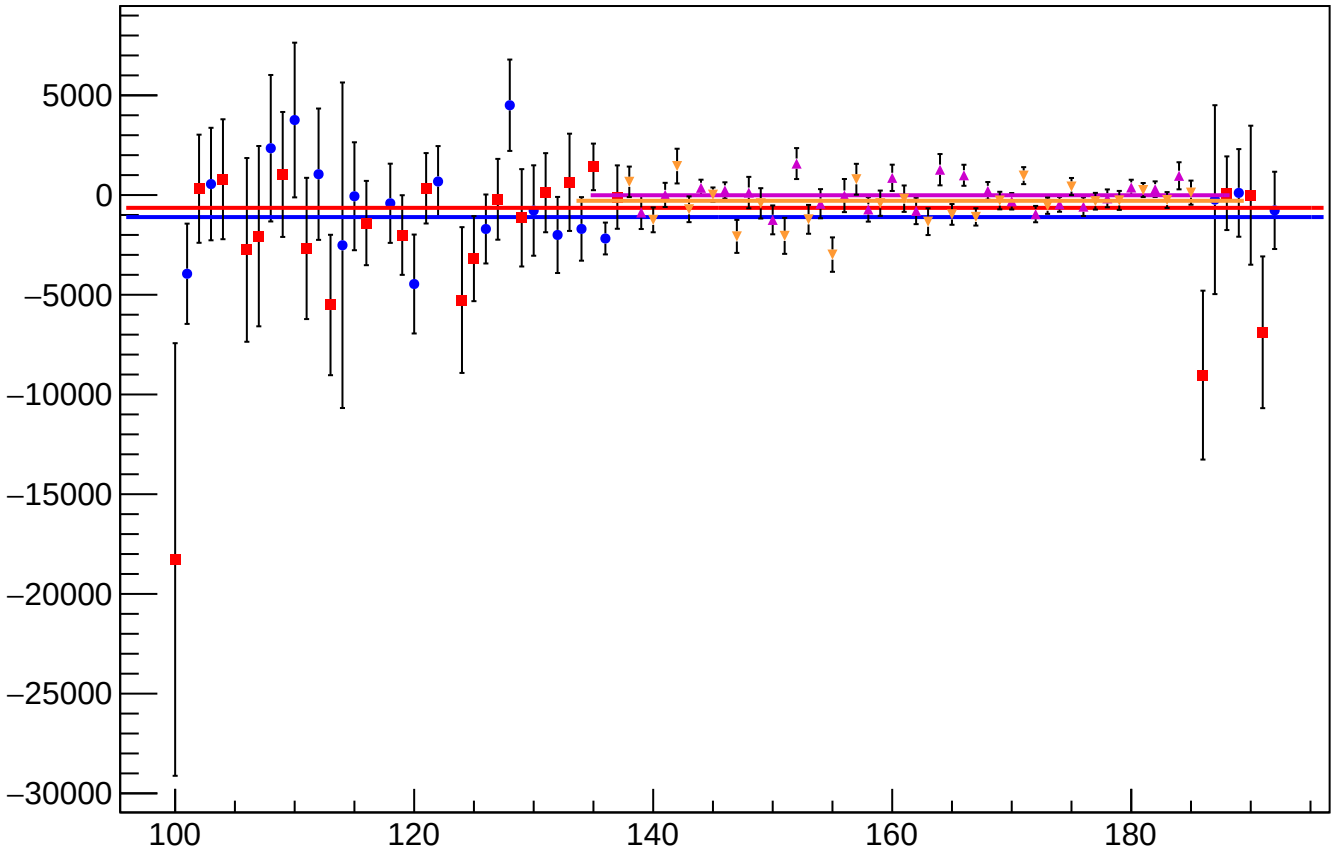
Right Out: 134.117+/-0.033 χ^2/NDF: 2489149.9/22

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 81.740+/-0.011 χ^2/NDF: 5117326.2/43

All: 82.206+/-0.008 χ^2/NDF: 11150072.4/89

- sign 82.702+/-0.012 χ^2/NDF: 6029324.5/45



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

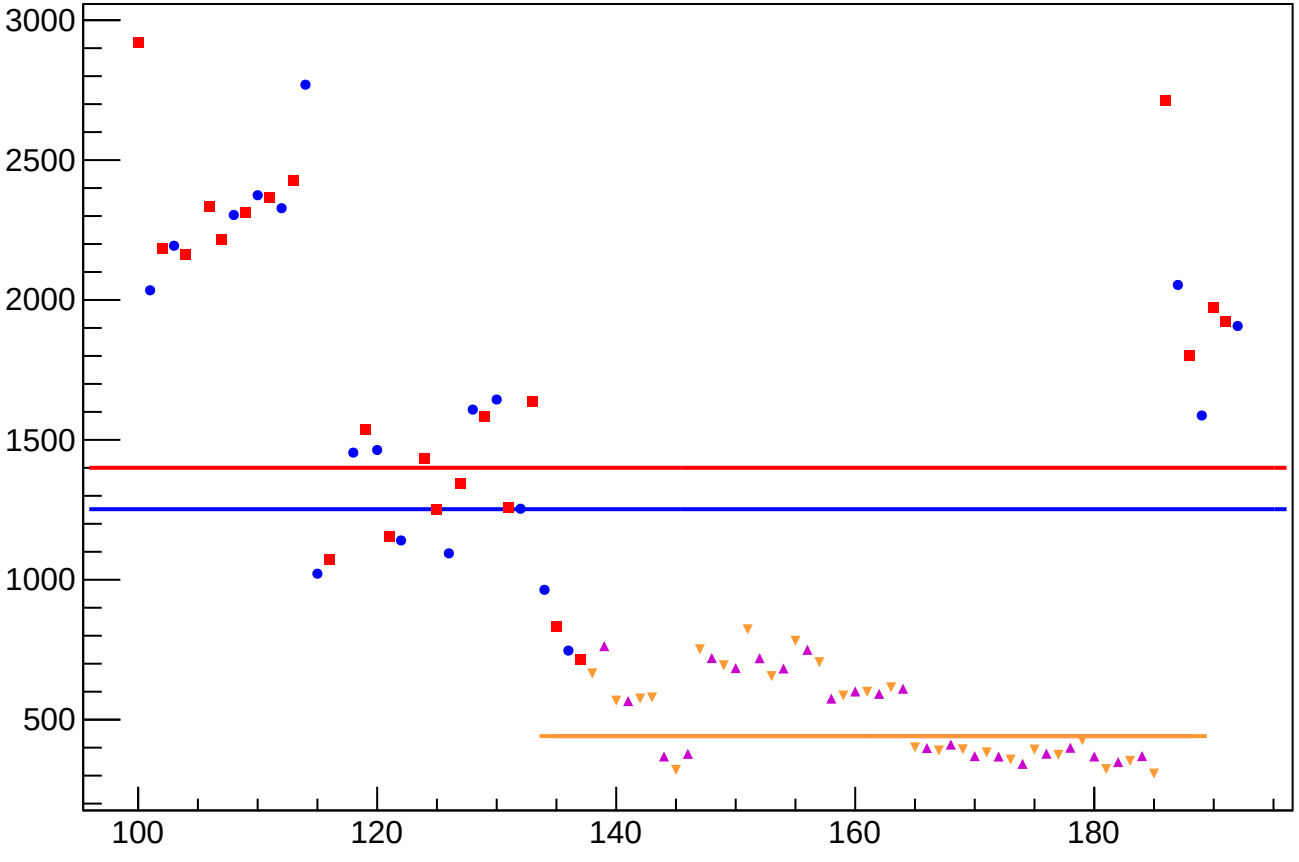
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -329.951+/-102.499 χ^2/NDF: 72.7/43

All: -188.563+/-73.400 χ^2/NDF: 131.9/89

- sign -39.741+/-105.159 χ^2/NDF: 55.3/45

asym_sam_26_avg_cor_correction_rms vs Slug



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

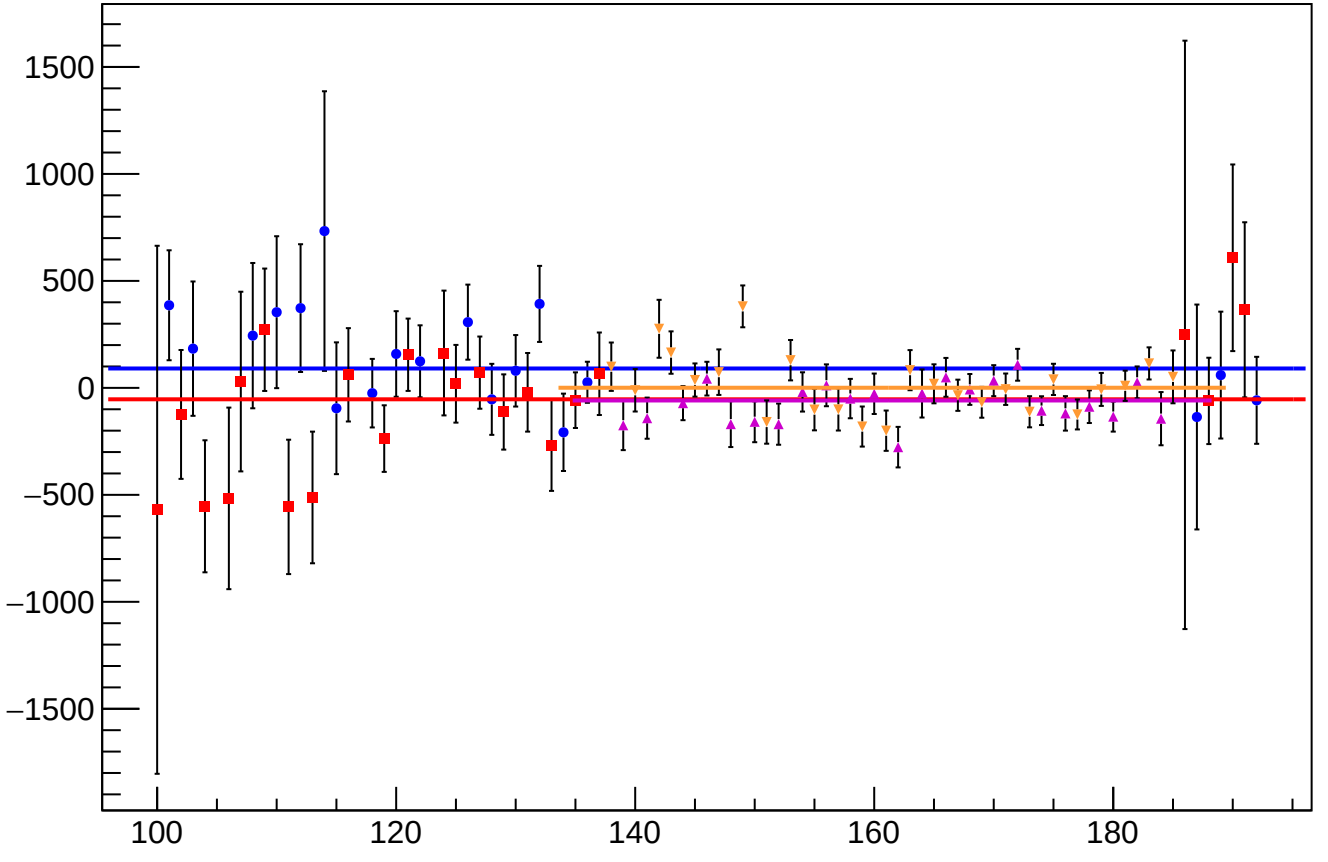
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 482.697+/-0.072 χ^2/NDF: 11736649.4/43

All: 484.012+/-0.052 χ^2/NDF: 24072525.0/89

- sign 485.396+/-0.074 χ^2/NDF: 12335199.9/45

eigen_cor_asym_sam_26_avg_mean vs Slug



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

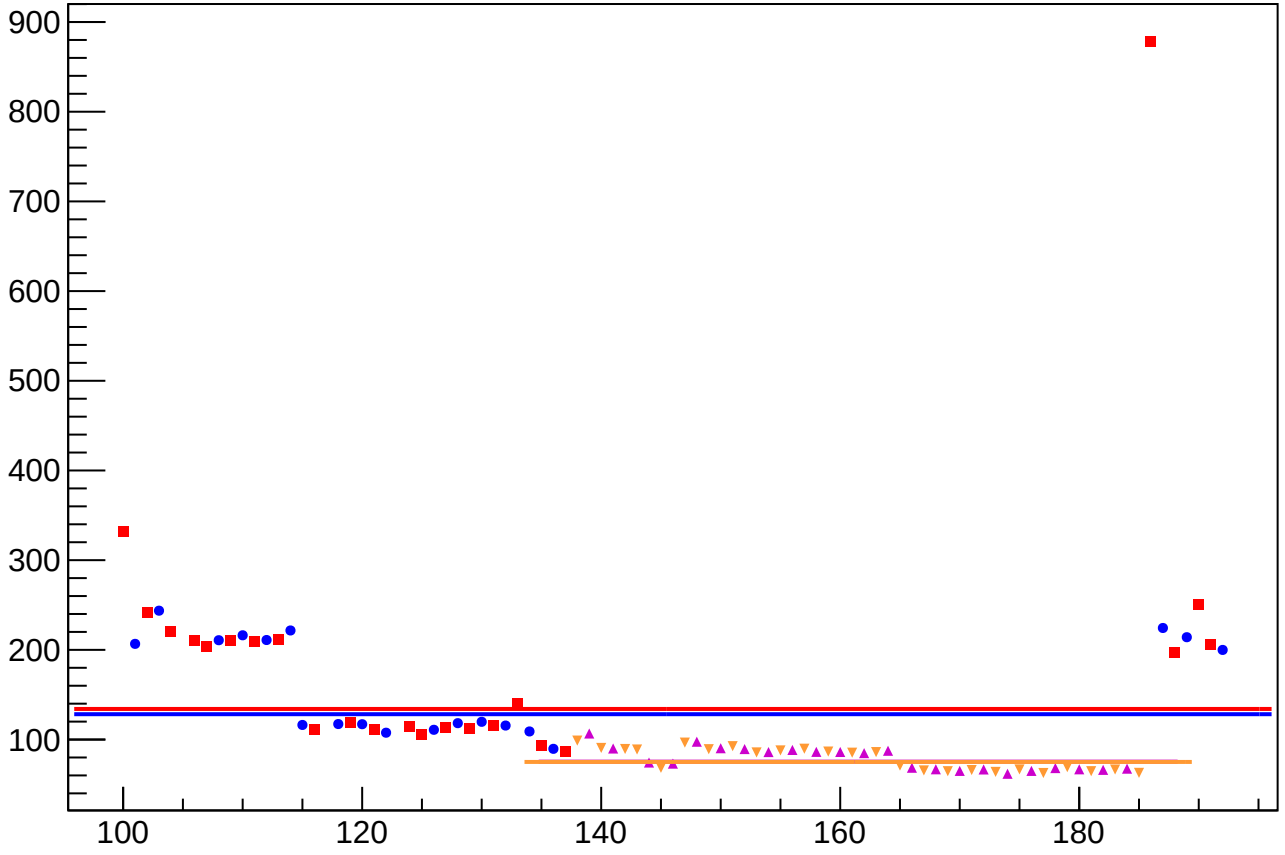
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 11.927+/-16.193 χ^2/NDF: 66.1/43

All: -22.014+/-11.633 χ^2/NDF: 120.6/89

- sign -58.216+/-16.724 χ^2/NDF: 45.4/45

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 128.264+/-0.032 χ^2/NDF: 1812191.3/18

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

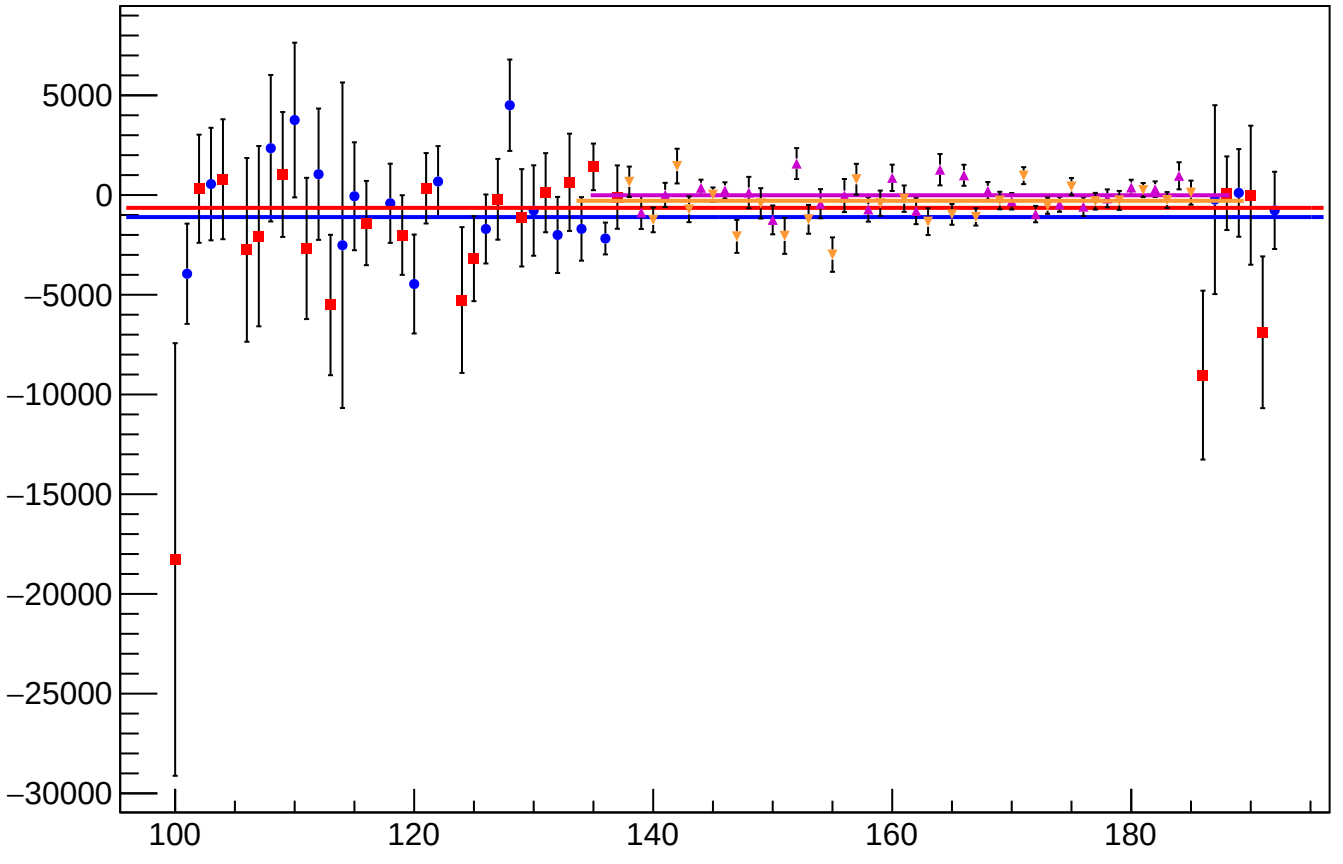
Right Out: 134.117+/-0.033 χ^2/NDF: 2489149.9/22

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 81.740+/-0.011 χ^2/NDF: 5117326.2/43

All: 82.206+/-0.008 χ^2/NDF: 11150072.4/89

- sign 82.702+/-0.012 χ^2/NDF: 6029324.5/45



Right In: -1105.072+/-452.758 χ^2/NDF: 16.3/18

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

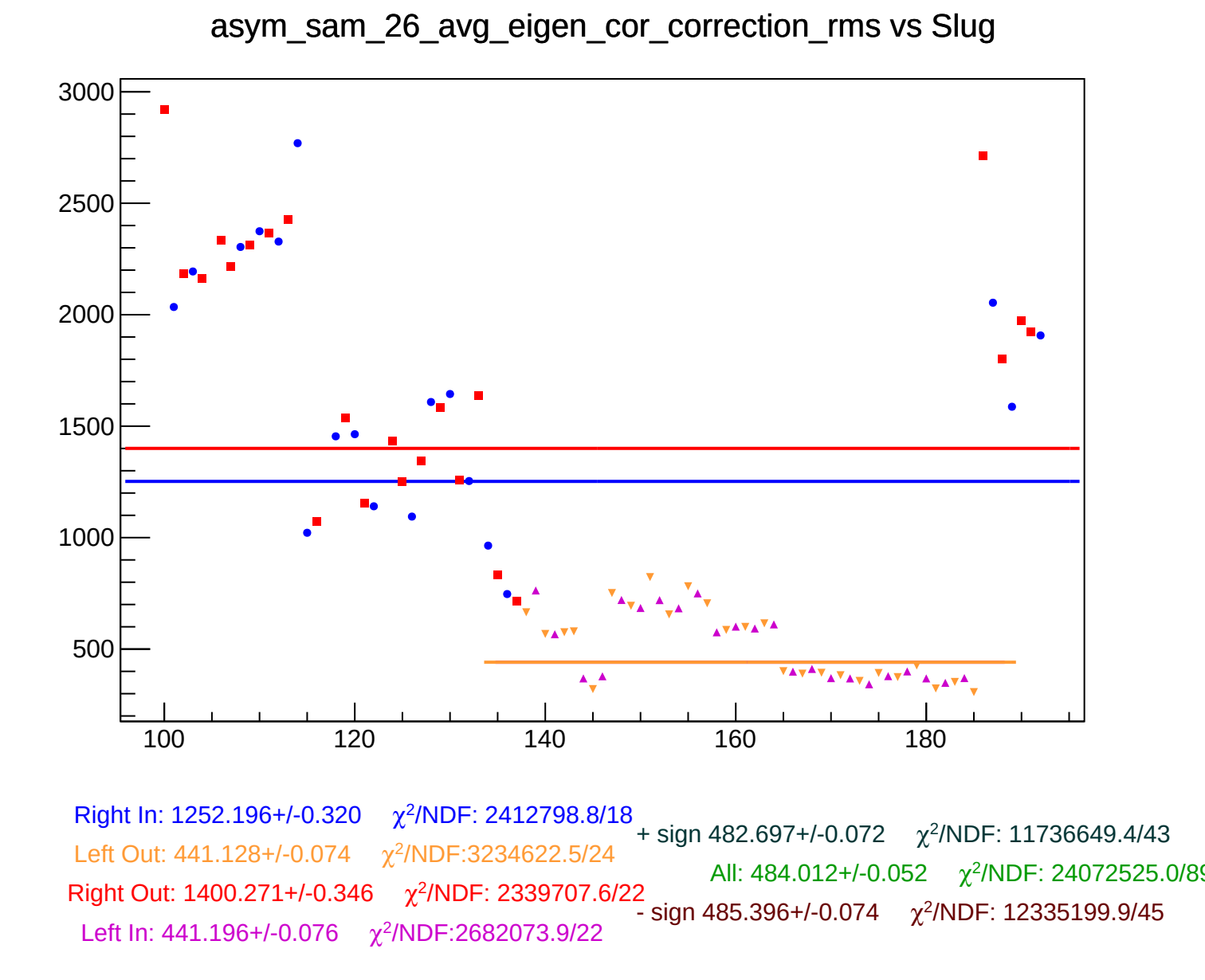
Right Out: -641.998+/-489.848 χ^2/NDF: 20.3/22

Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

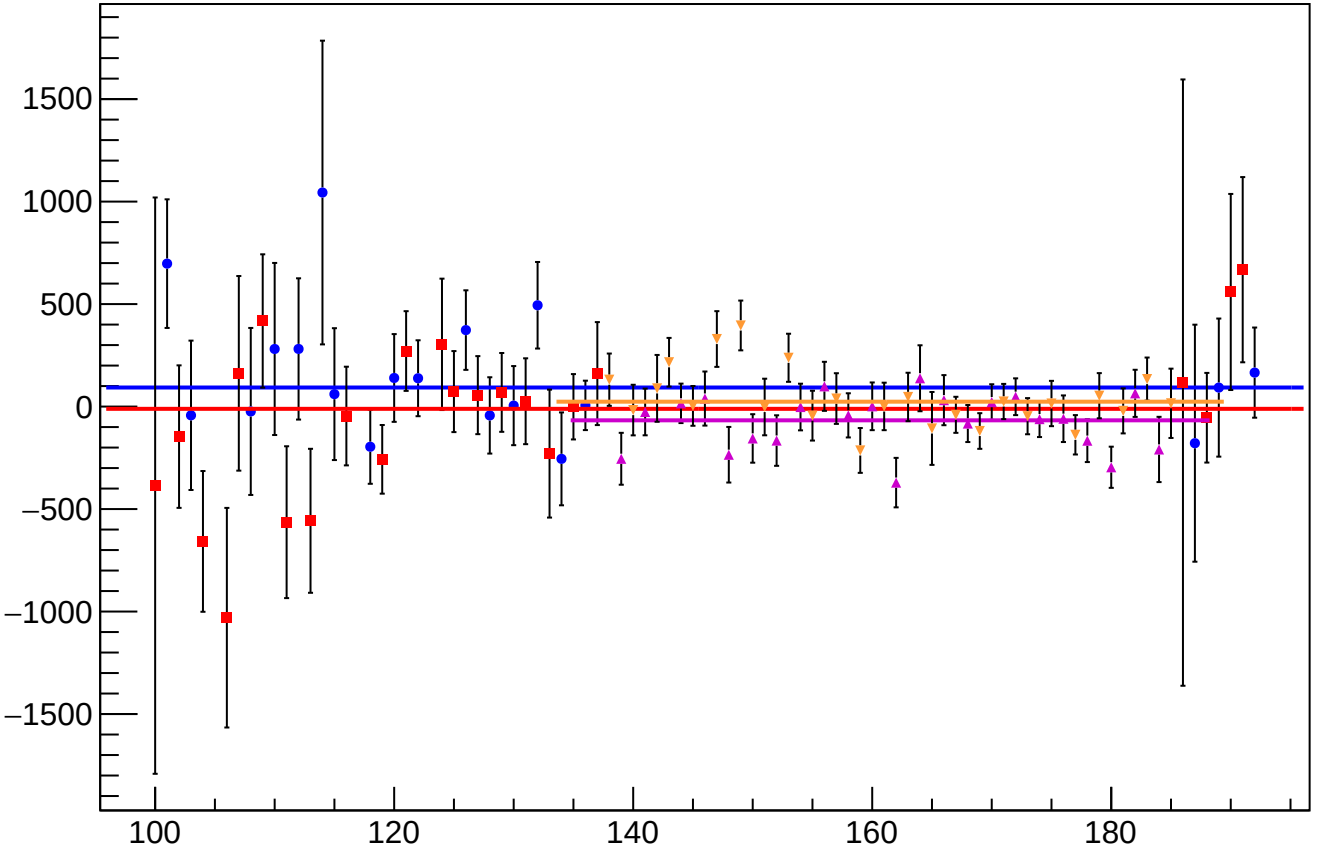
+ sign -329.951+/-102.499 χ^2/NDF: 72.7/43

All: -188.563+/-73.400 χ^2/NDF: 131.9/89

- sign -39.741+/-105.159 χ^2/NDF: 55.3/45


asym_sam_26_avg_eigen_cor_correction_rms vs Slug
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
+ sign 482.697+/-0.072 χ²/NDF: 11736649.4/43
All: 484.012+/-0.052 χ²/NDF: 24072525.0/89
- sign 485.396+/-0.074 χ²/NDF: 12335199.9/45

dit_asym_sam_26_avg_mean vs Slug



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

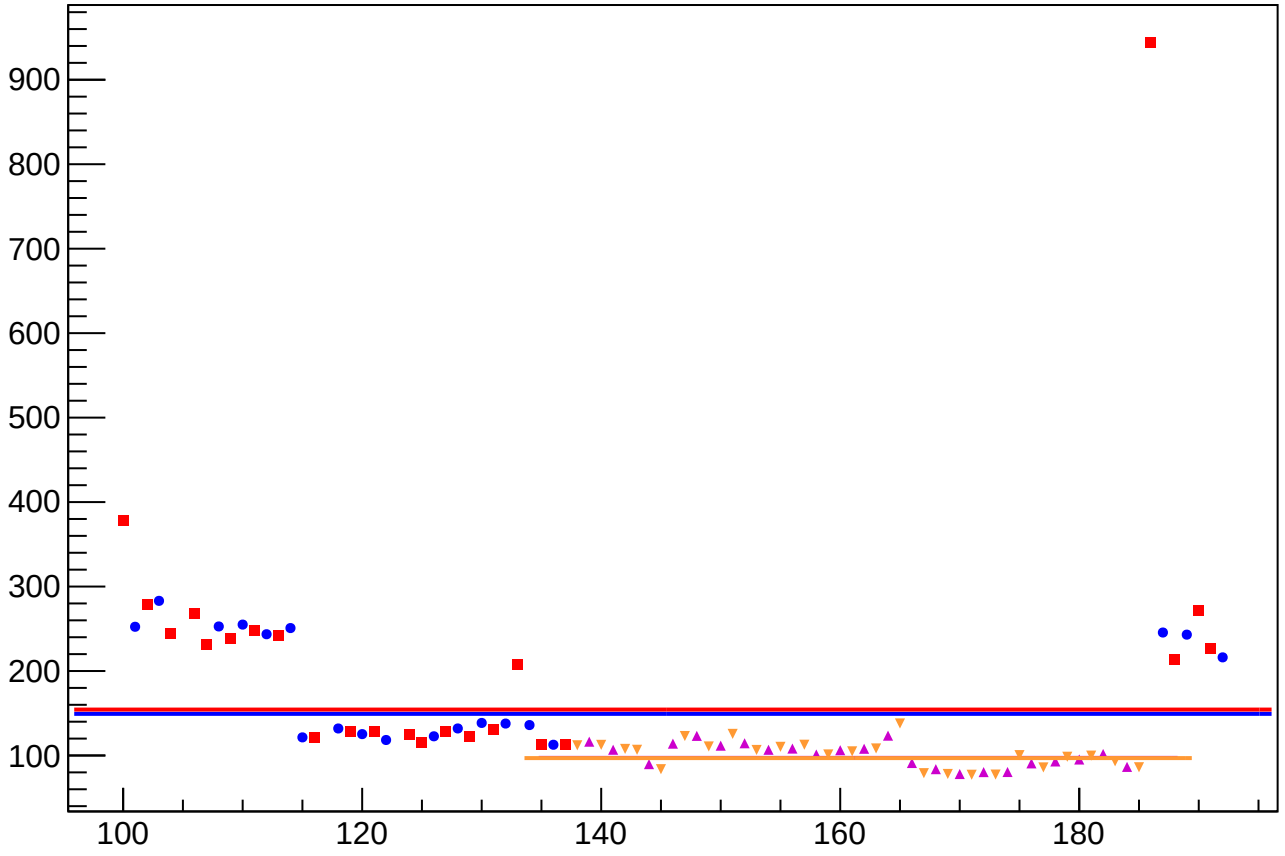
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 34.374+/-20.642 χ^2/NDF: 55.0/43

All: -10.657+/-14.816 χ^2/NDF: 118.7/89

- sign -58.500+/-21.277 χ^2/NDF: 53.9/45

dit_asym_sam_26_avg_rms vs Slug



Right In: 149.295+/-0.037 χ^2/NDF: 1696196.2/18

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

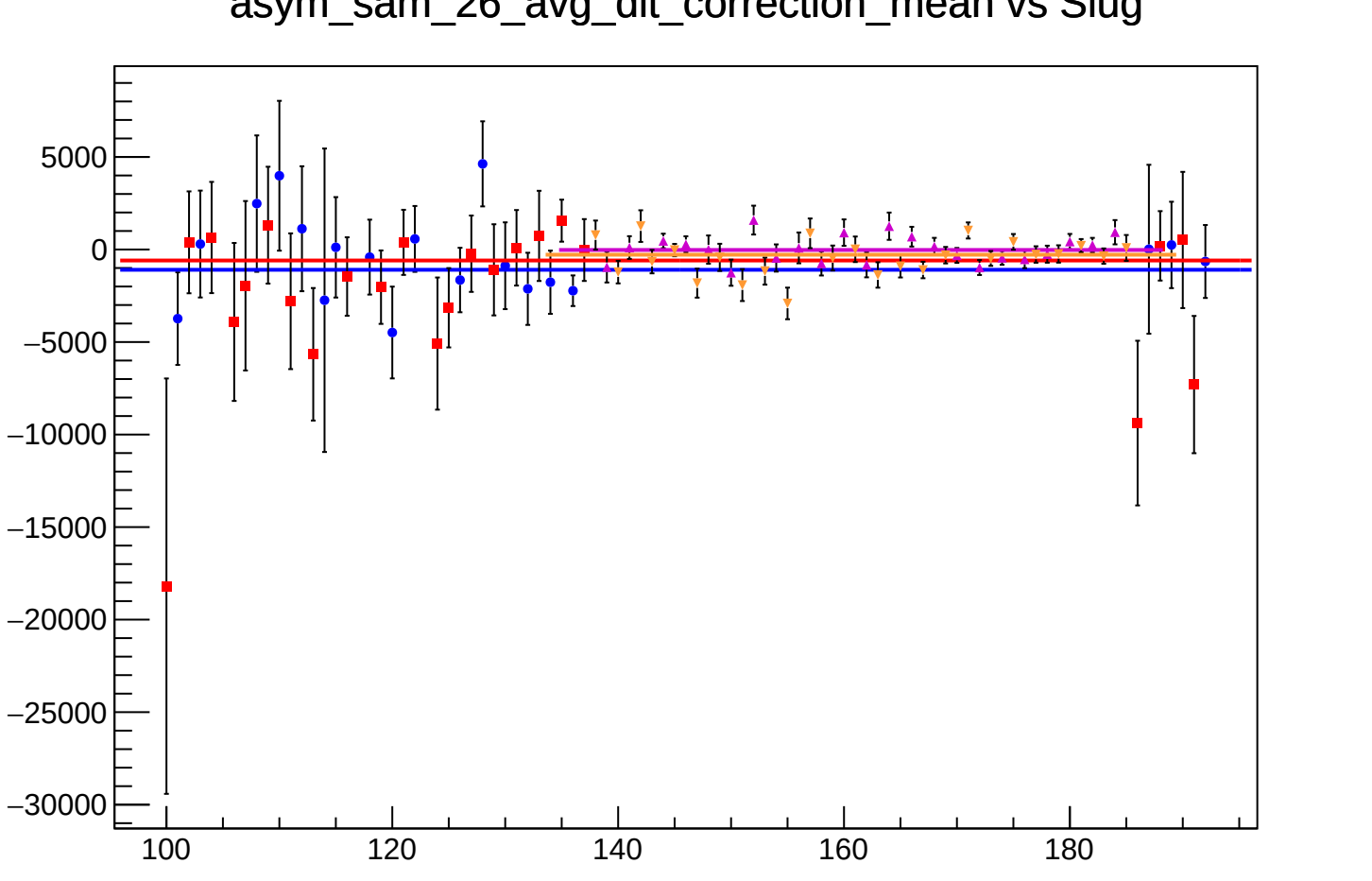
Right Out: 154.360+/-0.038 χ^2/NDF: 2439503.8/22

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 104.862+/-0.015 χ^2/NDF: 4289274.4/43

All: 105.378+/-0.010 χ^2/NDF: 9279926.8/89

- sign 105.925+/-0.015 χ^2/NDF: 4988080.7/45



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

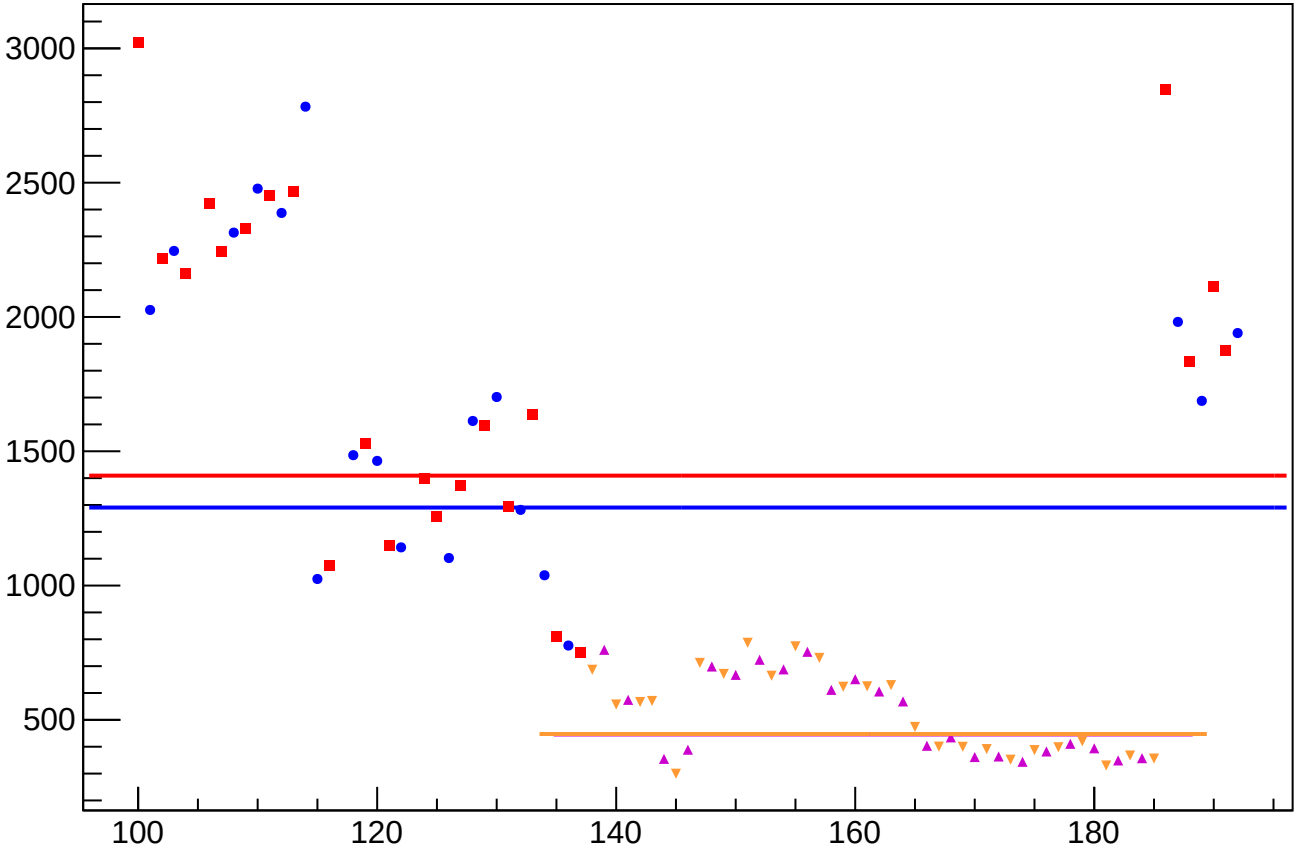
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -322.961+/-103.711 χ^2/NDF: 69.8/43

All: -190.428+/-74.238 χ^2/NDF: 129.2/89

- sign -51.156+/-106.315 χ^2/NDF: 56.0/45

asym_sam_26_avg_dit_correction_rms vs Slug



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

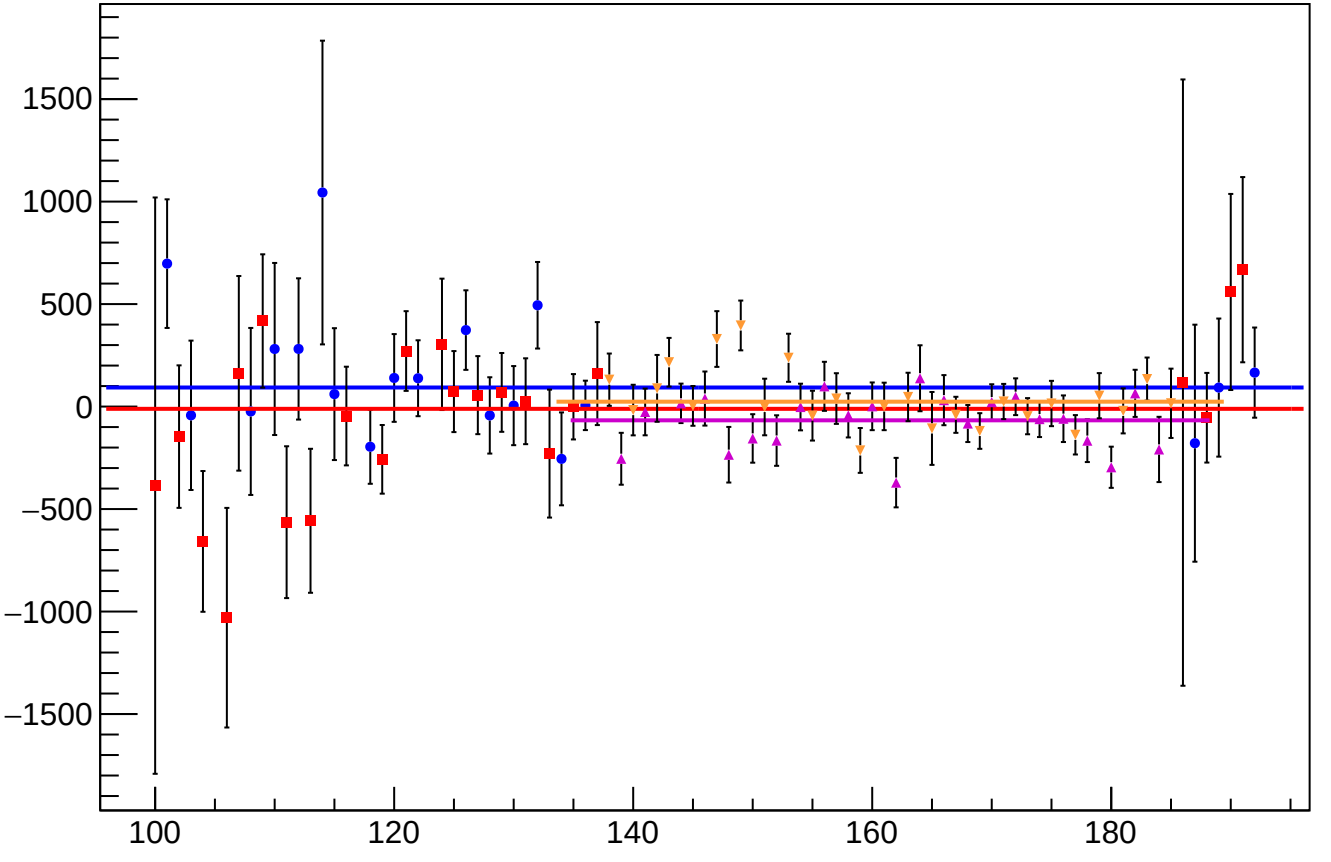
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 489.376+/-0.073 χ^2/NDF: 11769171.0/43

All: 489.892+/-0.052 χ^2/NDF: 24243251.2/89

- sign 490.434+/-0.075 χ^2/NDF: 12473978.7/45

eigen_dit_asym_sam_26_avg_mean vs Slug



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

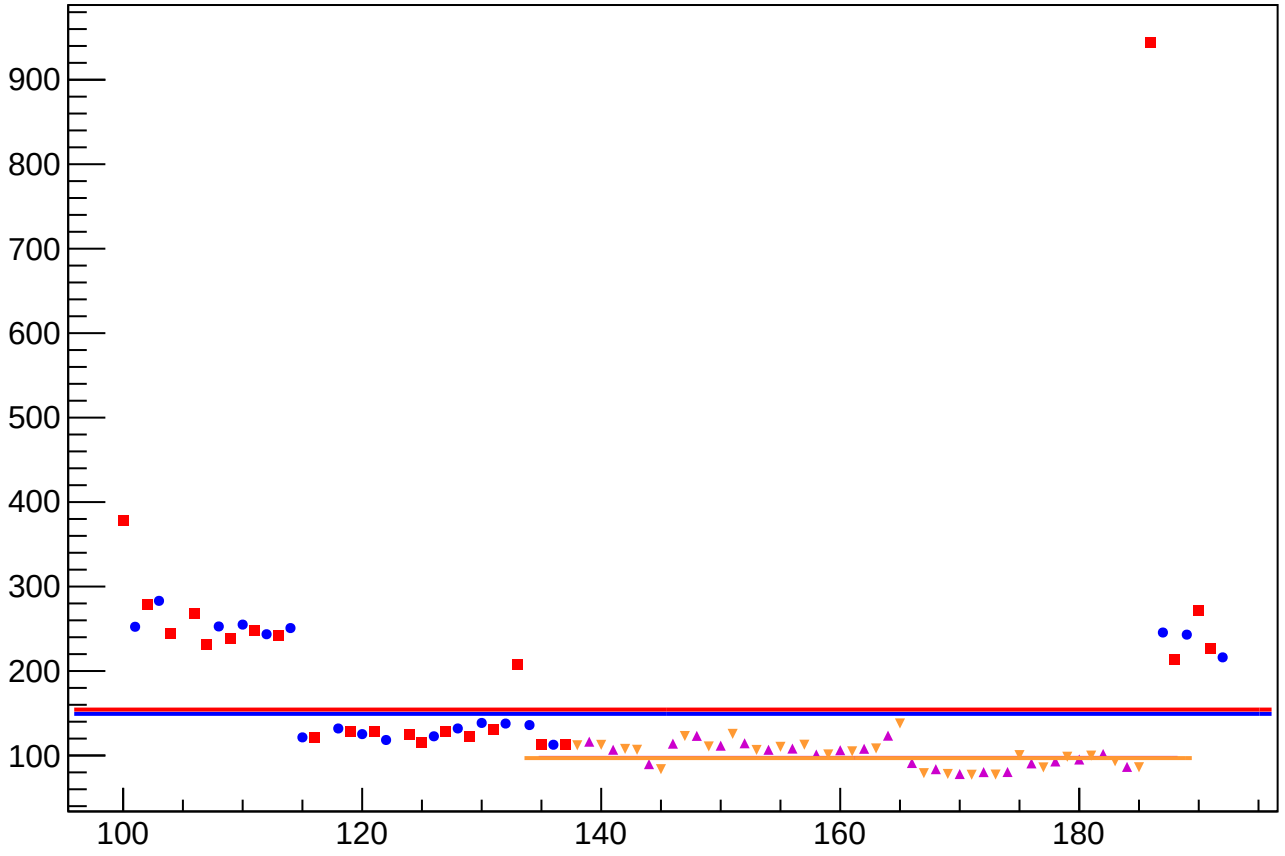
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

\+ sign 34.373+/-20.642 χ^2/NDF: 55.0/43

All: -10.657+/-14.816 χ^2/NDF: 118.7/89

\- sign -58.500+/-21.277 χ^2/NDF: 53.9/45

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 149.295+/-0.037 χ^2/NDF: 1696190.7/18

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

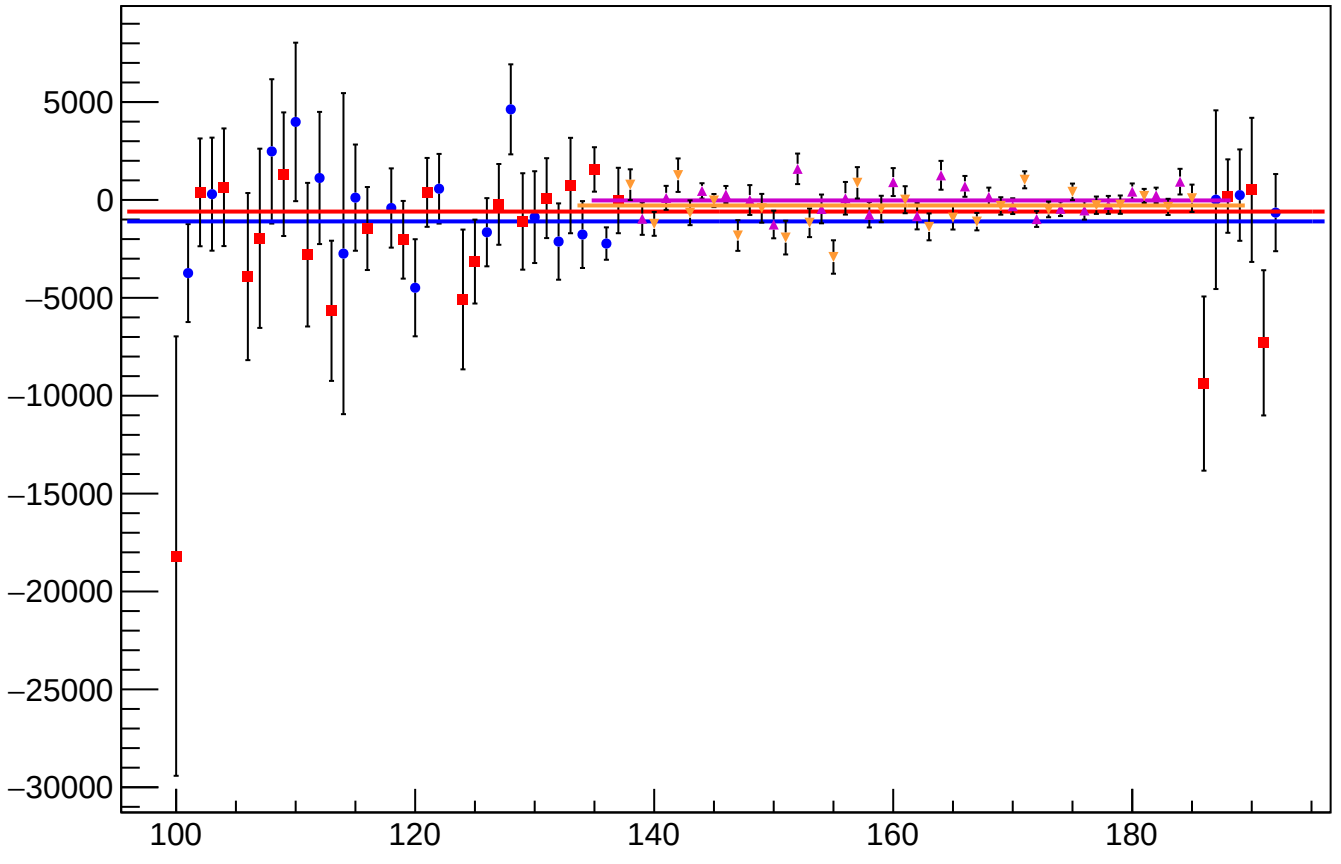
Right Out: 154.360+/-0.038 χ^2/NDF: 2439494.7/22

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 104.863+/-0.015 χ^2/NDF: 4289218.7/43

All: 105.378+/-0.010 χ^2/NDF: 9279811.4/89

- sign 105.926+/-0.015 χ^2/NDF: 4988020.5/45



Right In: -1096.360+/-464.713 χ^2/NDF: 16.4/18

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: -593.578+/-492.335 χ^2/NDF: 21.8/22

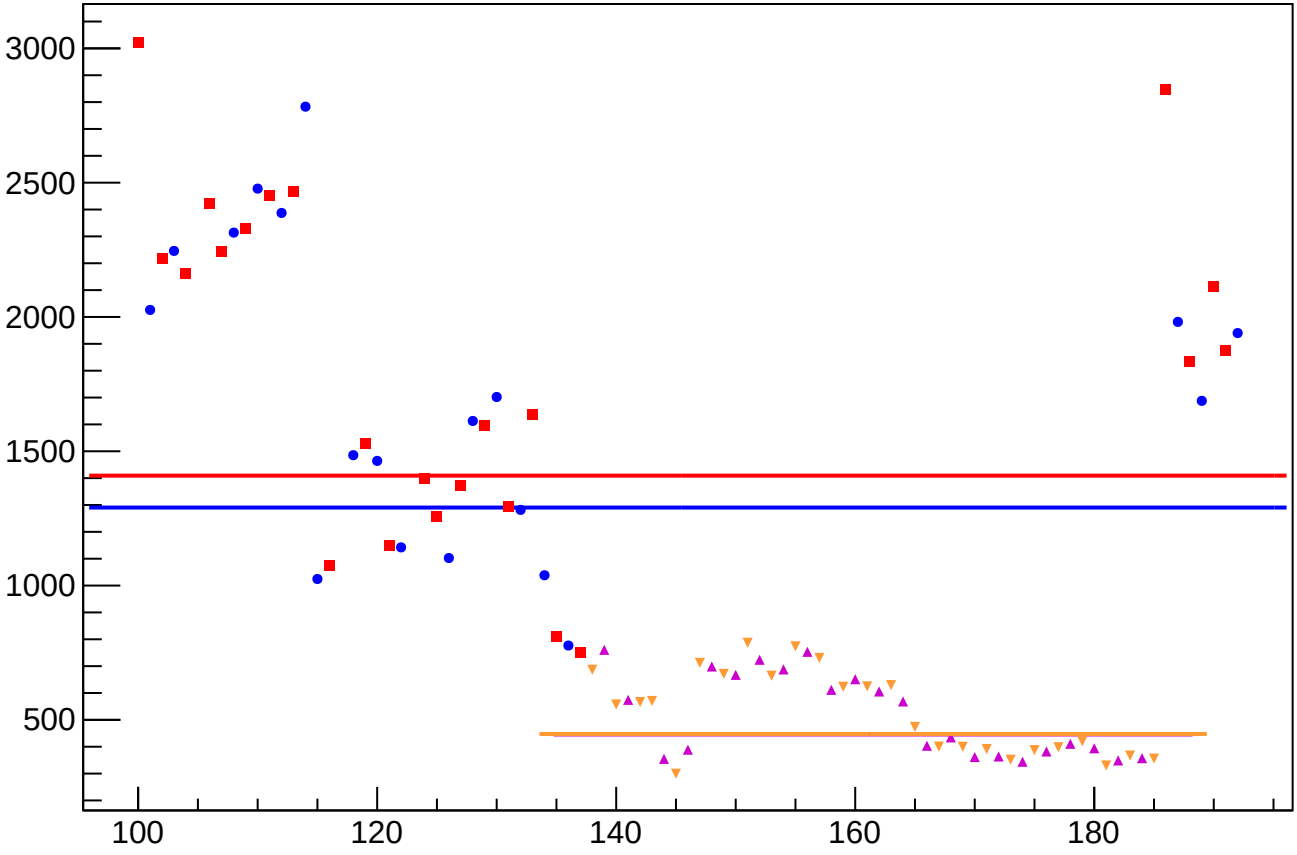
Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -322.960+/-103.711 χ^2/NDF: 69.8/43

All: -190.427+/-74.238 χ^2/NDF: 129.2/89

- sign -51.156+/-106.315 χ^2/NDF: 56.0/45

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



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

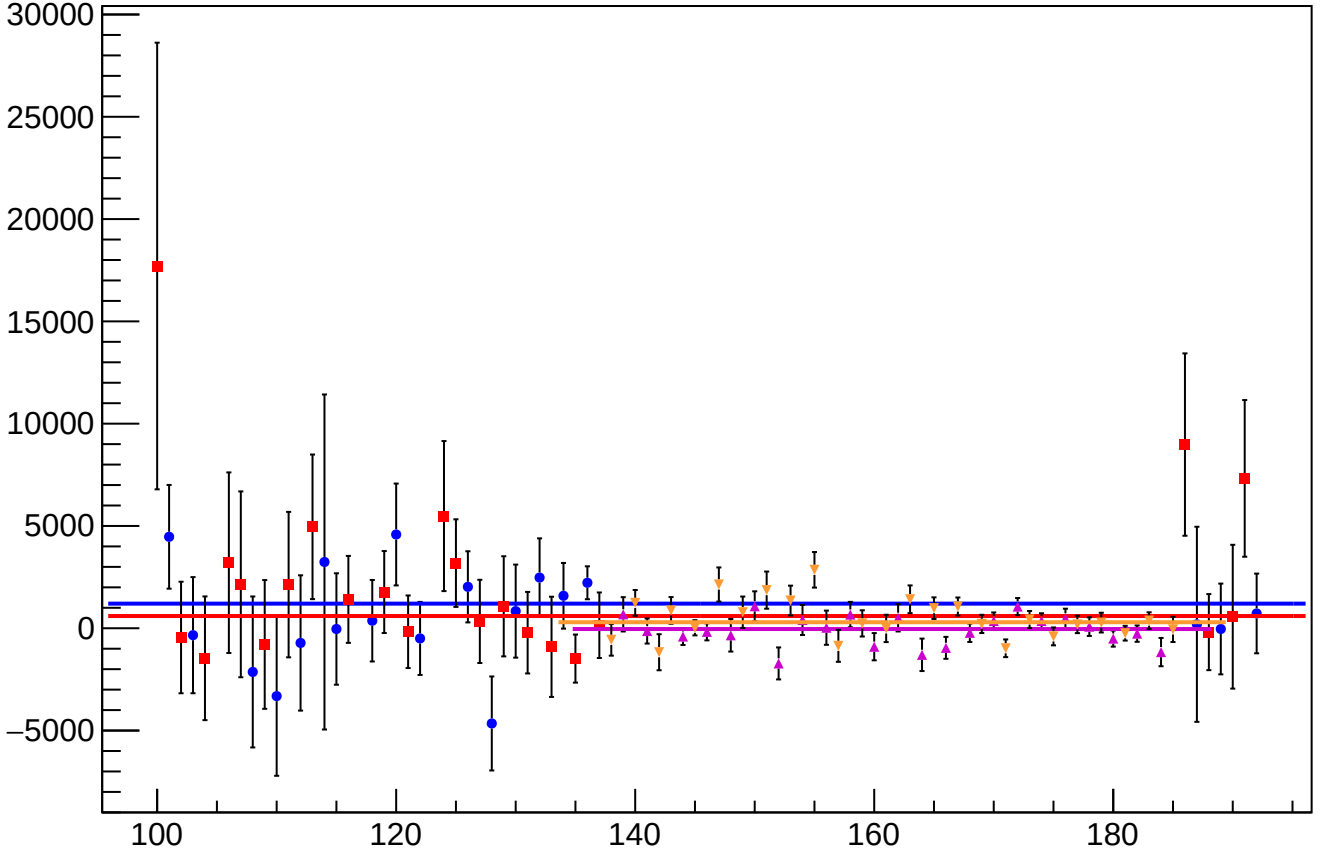
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 489.376+/-0.073 χ^2/NDF: 11769184.5/43

All: 489.892+/-0.052 χ^2/NDF: 24243266.4/89

- sign 490.434+/-0.075 χ^2/NDF: 12473980.4/45

asym_sam_26_avg_mean vs Slug



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

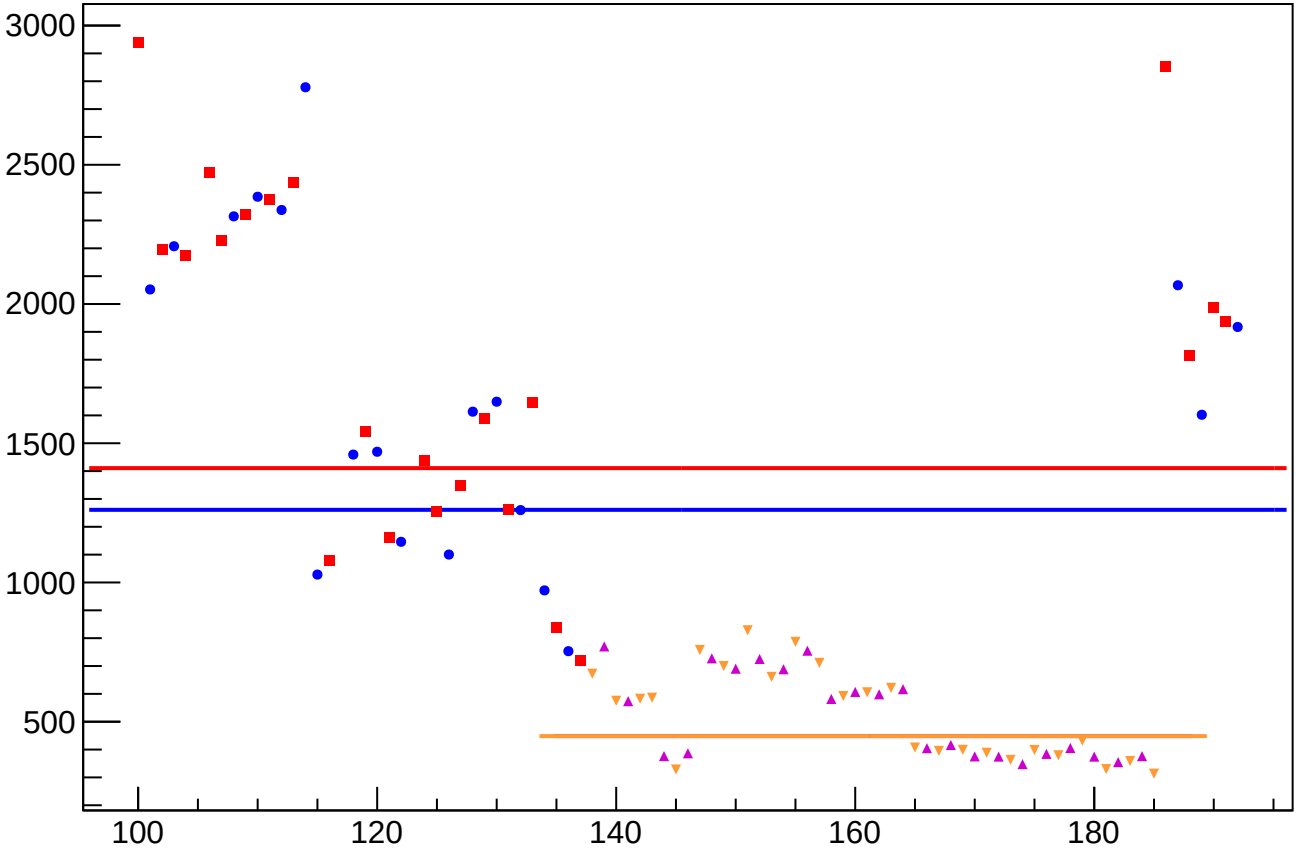
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 342.317+/-103.991 χ^2/NDF: 71.2/43

All: 171.561+/-74.478 χ^2/NDF: 131.2/89

- sign -8.266+/-106.718 χ^2/NDF: 54.5/45

asym_sam_26_avg_rms vs Slug



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

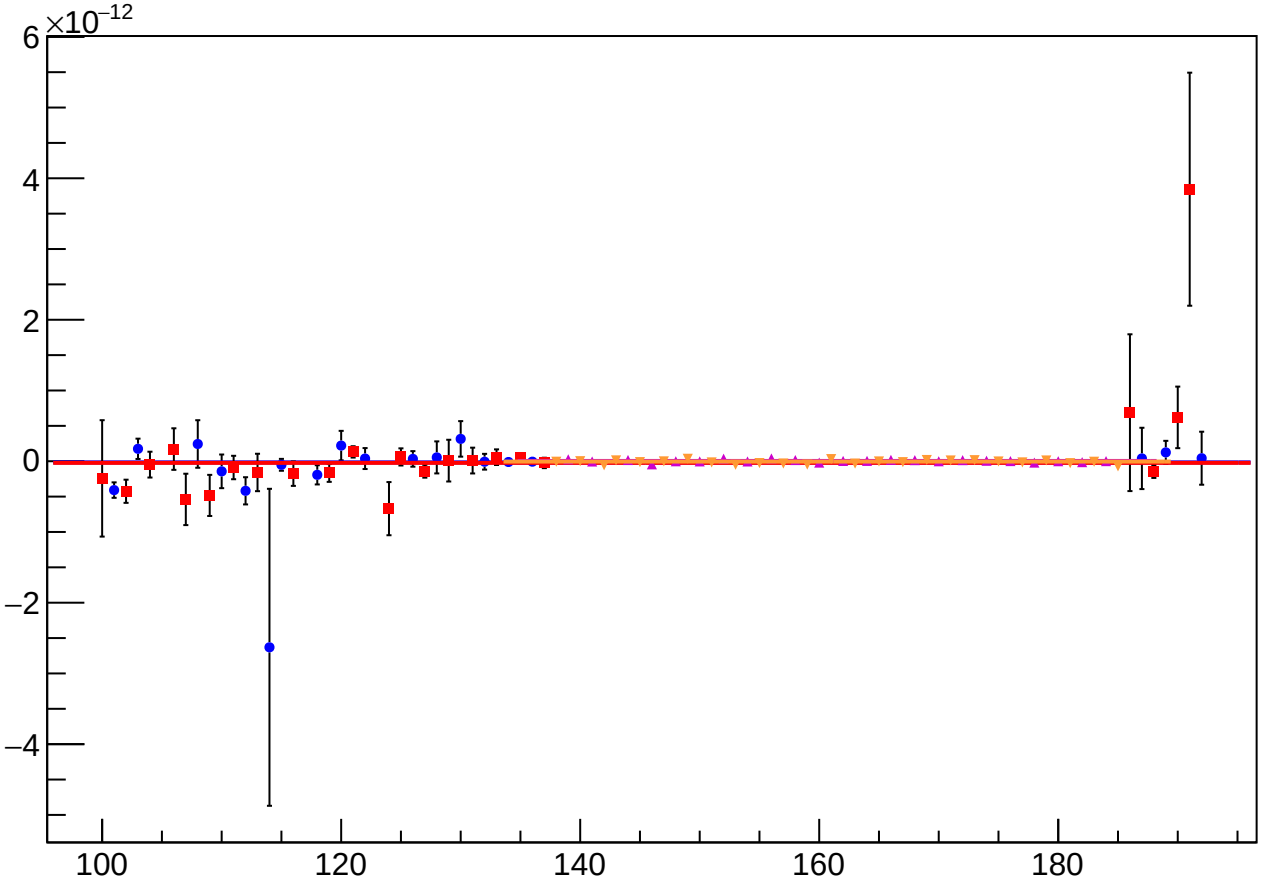
Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 490.600+/-0.074 χ^2/NDF: 11585658.7/43

All: 492.055+/-0.053 χ^2/NDF: 23873058.3/89

- sign 493.587+/-0.075 χ^2/NDF: 12286596.0/45

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

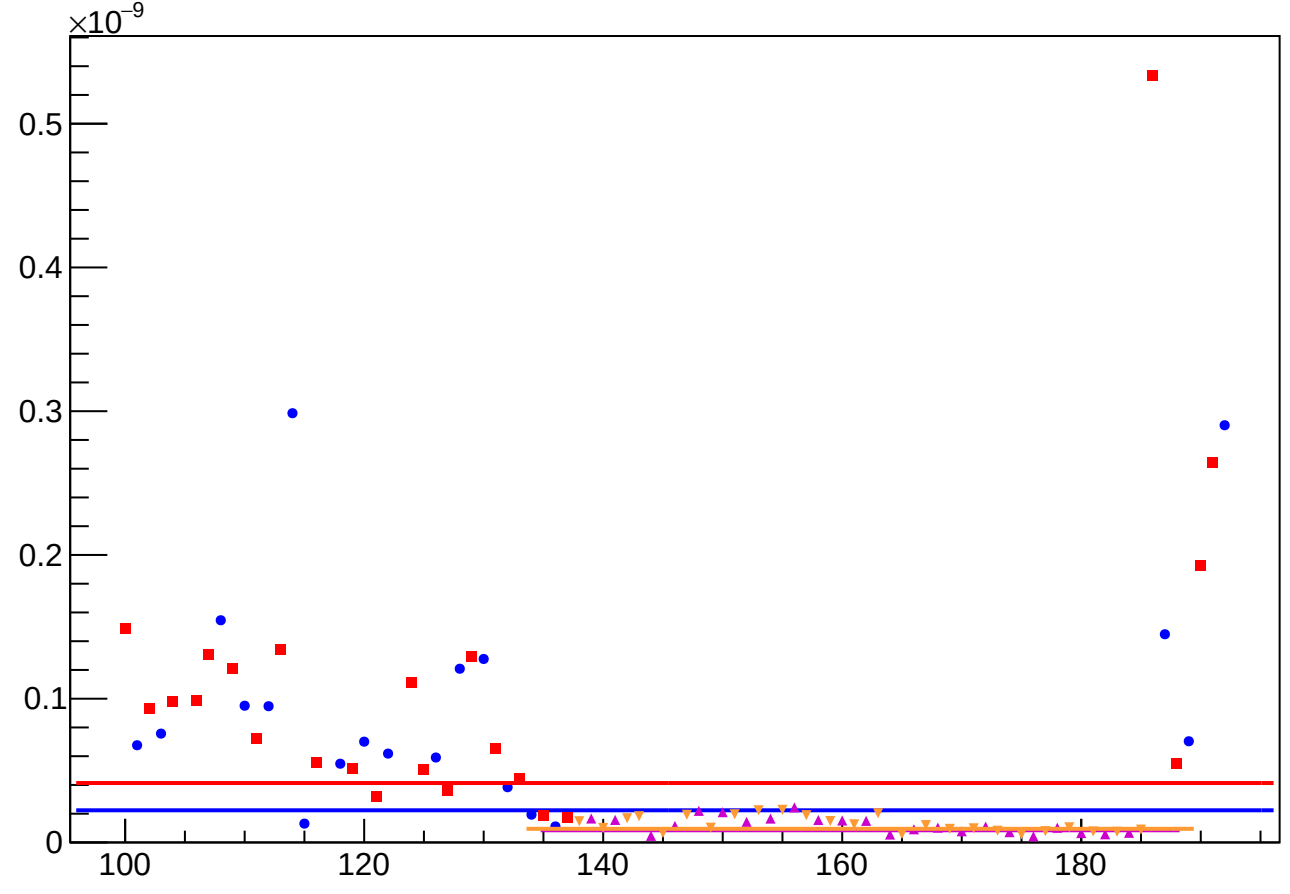
Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/22

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.2/43

All: -0.000+/-0.000 χ^2/NDF: 107.1/89

- sign 0.000+/-0.000 χ^2/NDF: 53.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 4747756.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

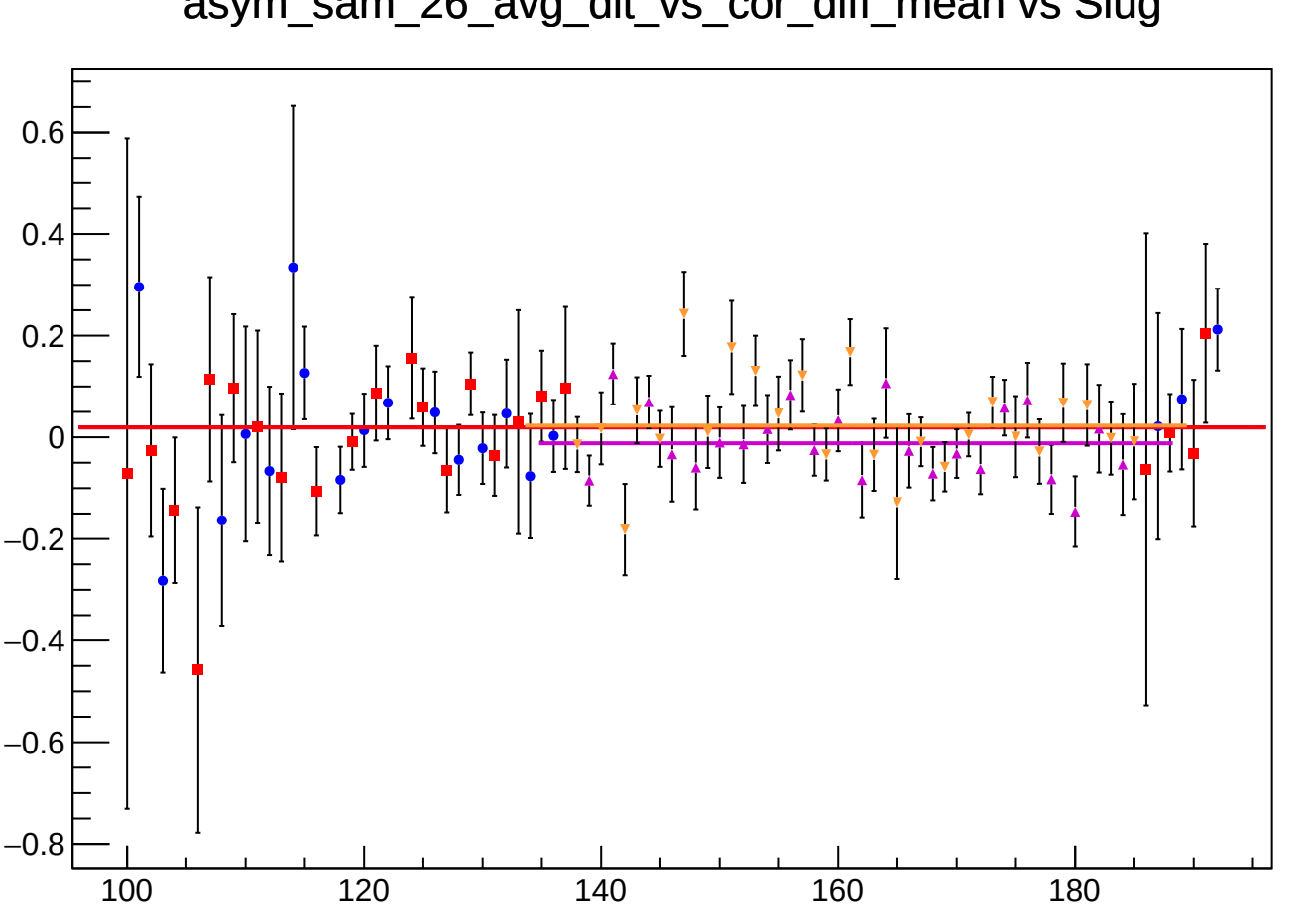
Right Out: 0.000+/-0.000 χ^2/NDF: 2807388.3/22

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8182797.5/43

All: 0.000+/-0.000 χ^2/NDF: 16849666.4/89

- sign 0.000+/-0.000 χ^2/NDF: 8603237.5/45



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

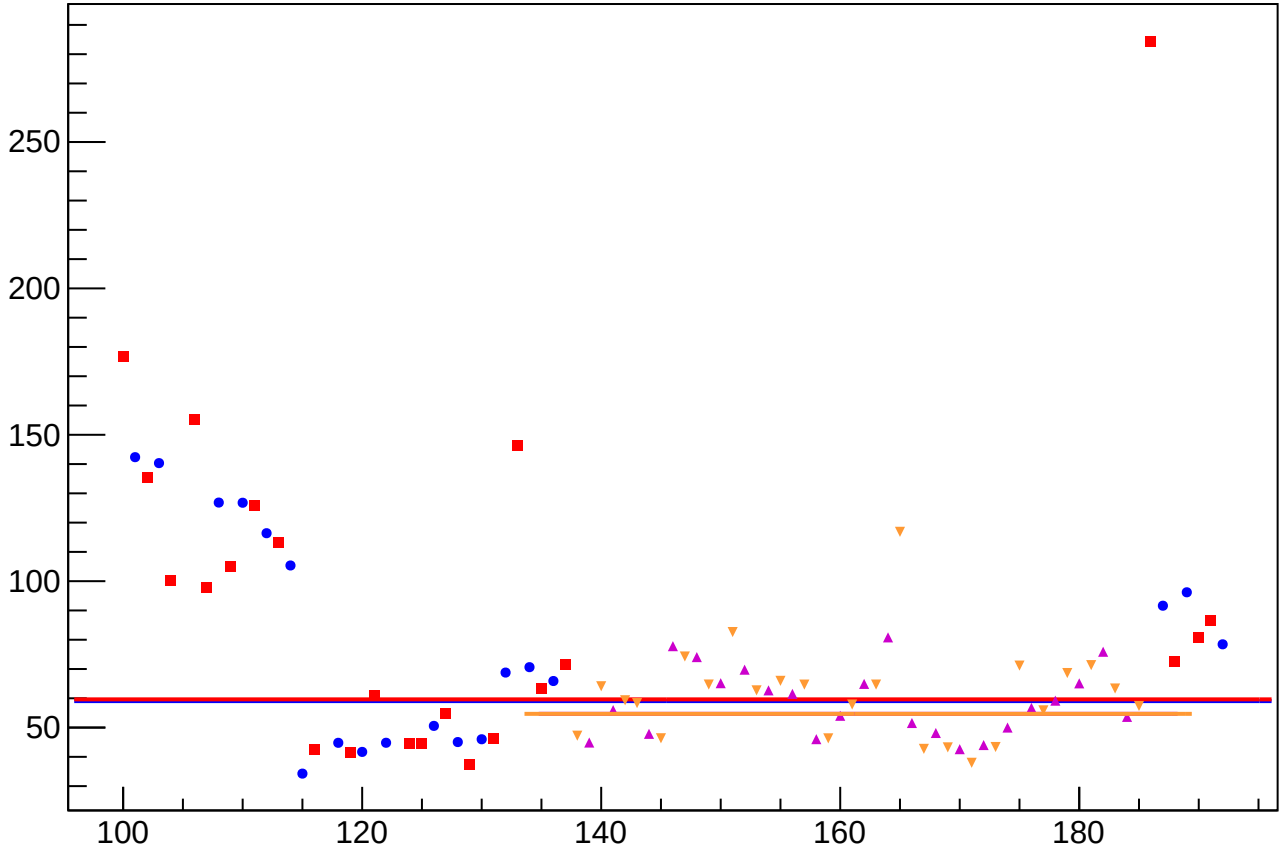
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 53.7/43

All: 0.010+/-0.008 χ^2/NDF: 98.1/89

- sign -0.004+/-0.011 χ^2/NDF: 41.7/45

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.038+/-0.016 χ^2/NDF: 2518067.5/18

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

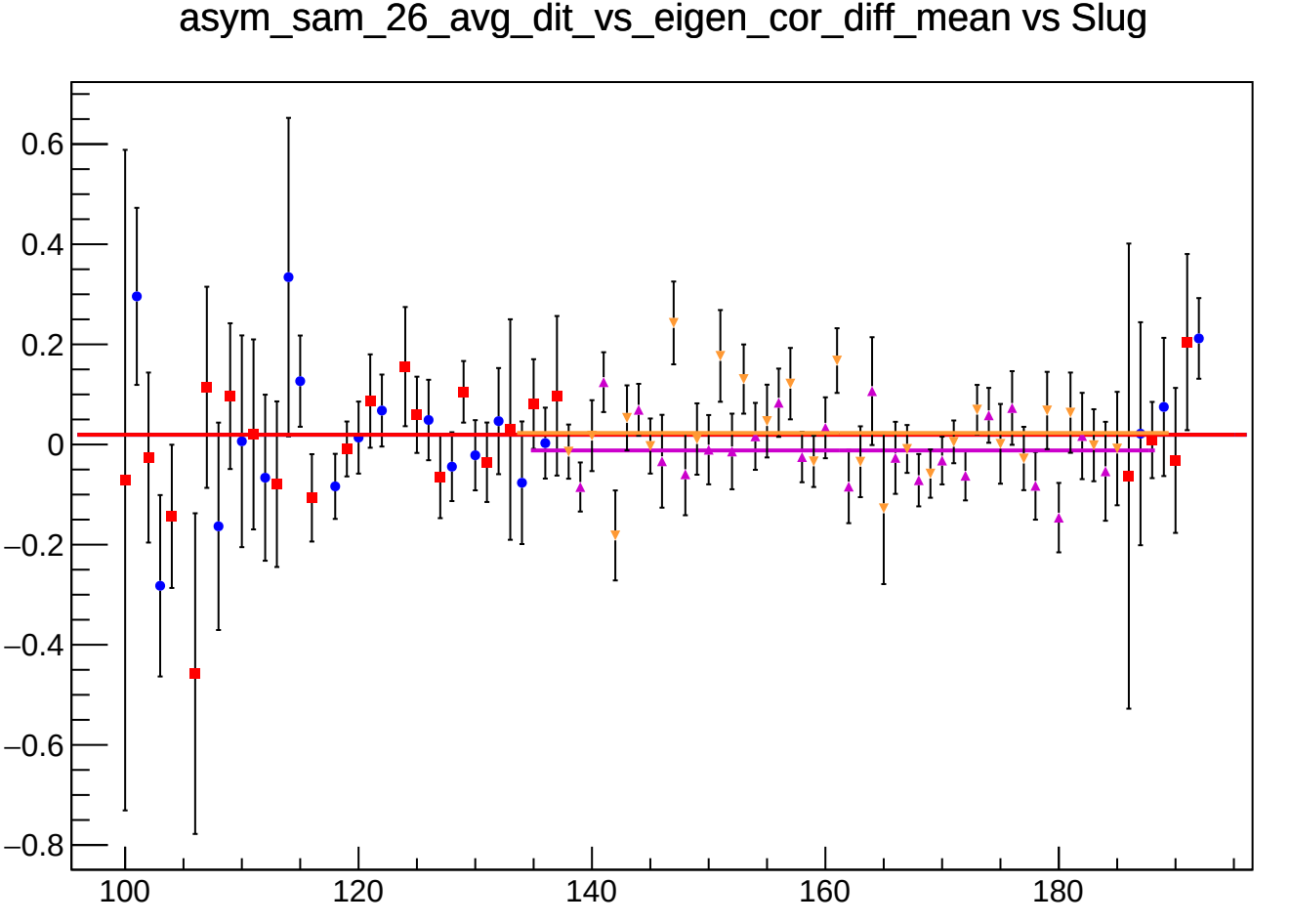
Right Out: 59.633+/-0.016 χ^2/NDF: 3199576.0/22

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 55.797+/-0.008 χ^2/NDF: 4512479.4/43

All: 55.899+/-0.006 χ^2/NDF: 8977299.2/89

- sign 56.005+/-0.008 χ^2/NDF: 4464477.3/45



Right In: 0.019+/-0.022 χ^2/NDF: 19.5/18

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

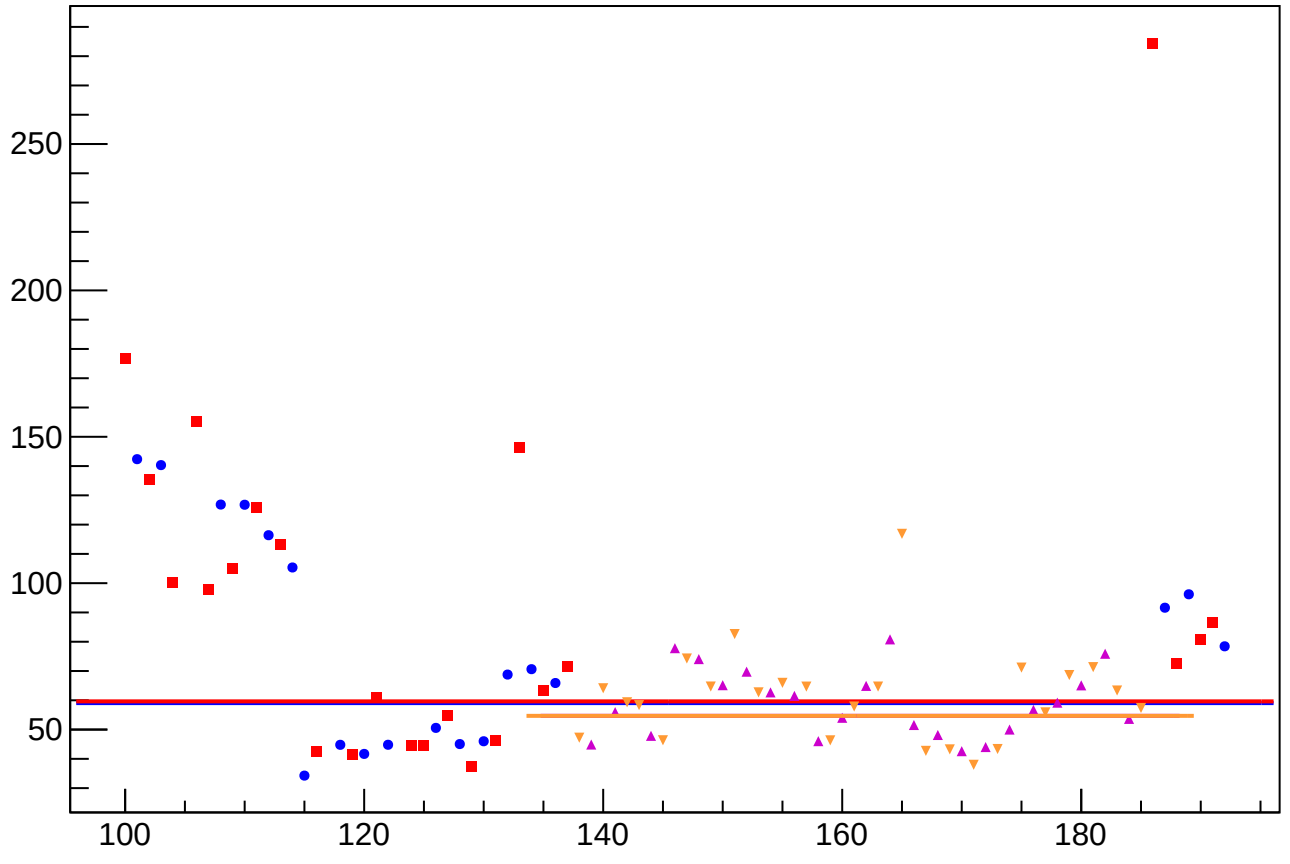
Right Out: 0.020+/-0.022 χ^2/NDF: 14.4/22

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 53.7/43

All: 0.010+/-0.008 χ^2/NDF: 98.1/89

- sign -0.004+/-0.011 χ^2/NDF: 41.7/45



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

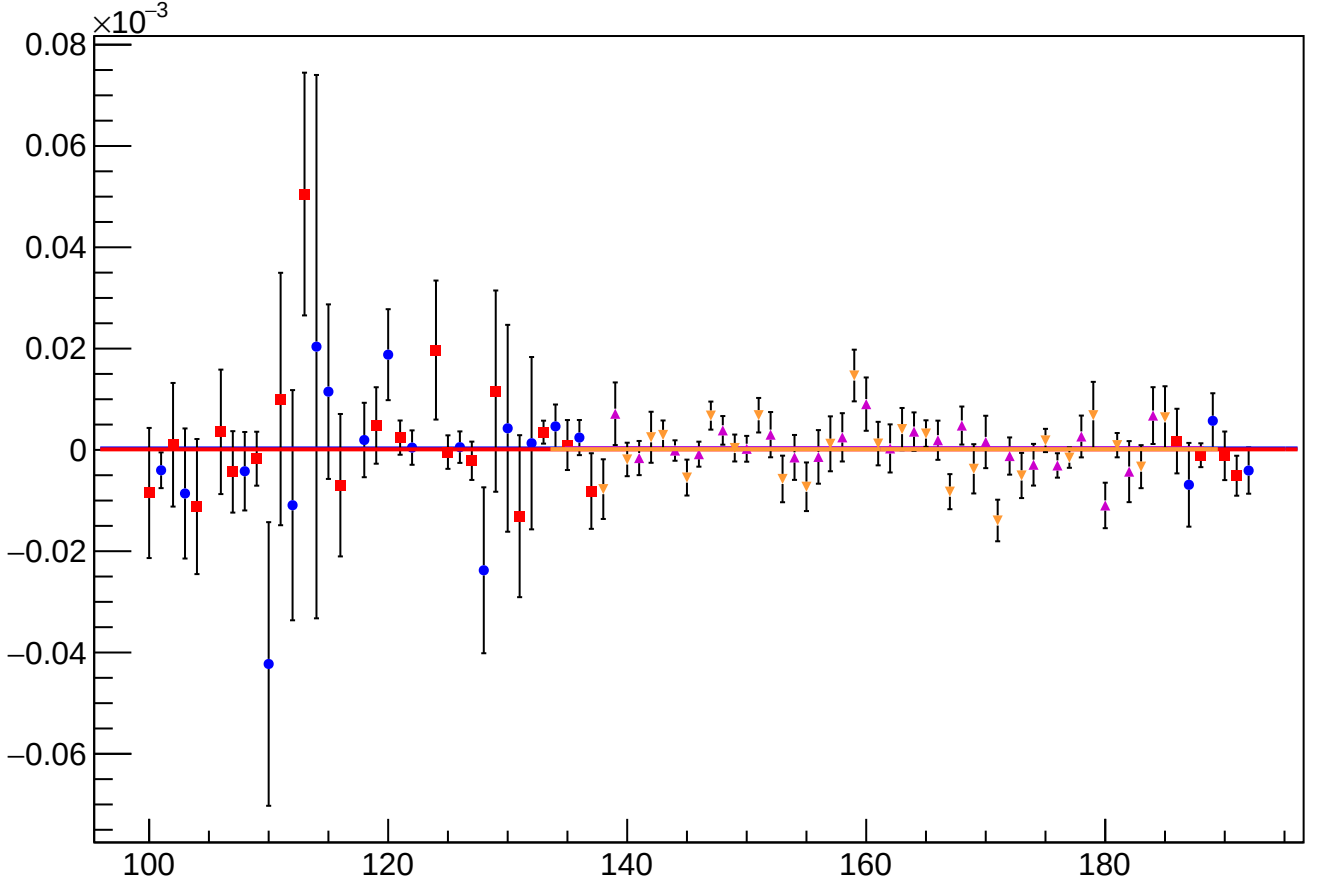
Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

\+ sign 55.797+/-0.008 χ^2/NDF: 4512479.4/43

All: 55.899+/-0.006 χ^2/NDF: 8977299.2/89

\- sign 56.005+/-0.008 χ^2/NDF: 4464477.3/45

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

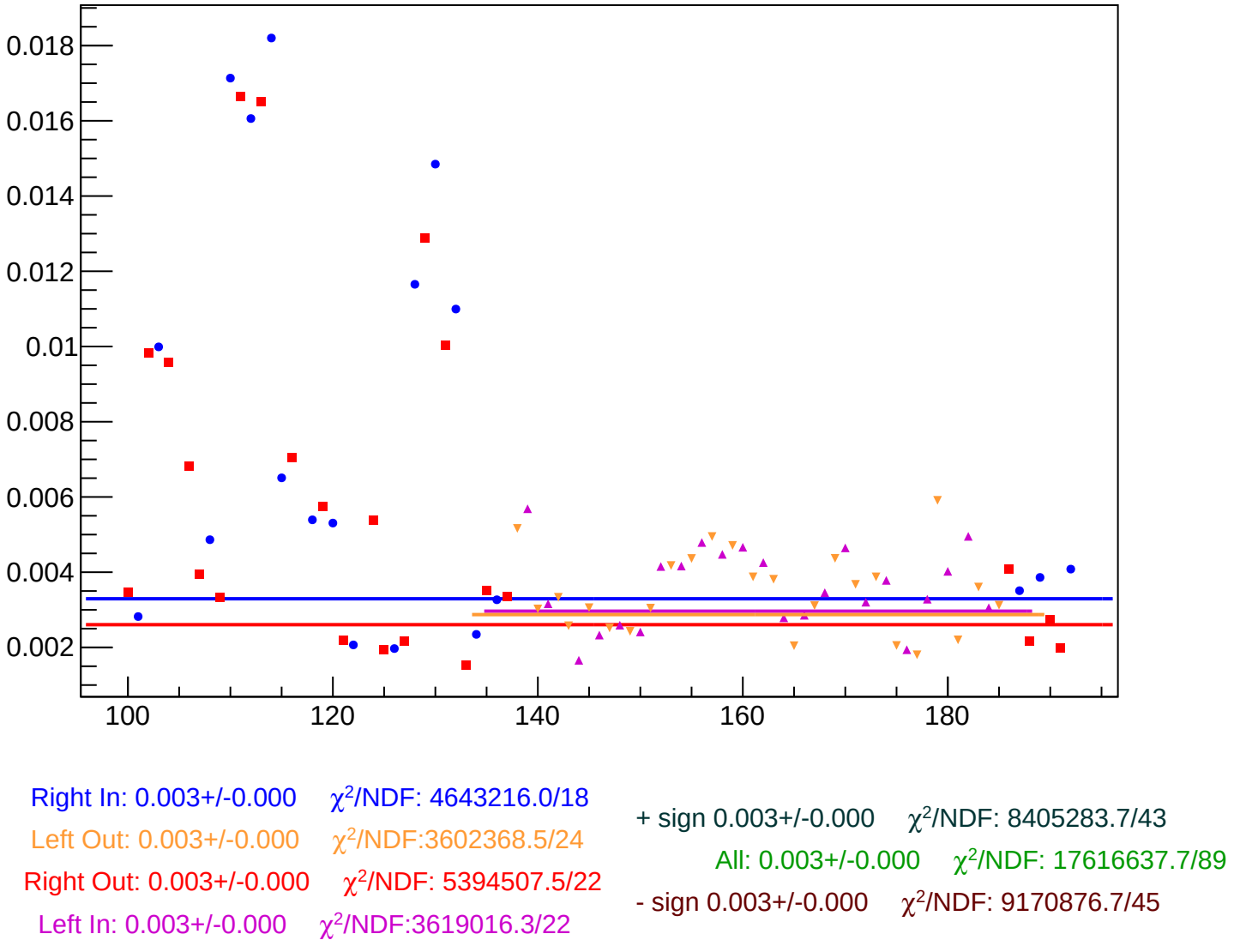
Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/22

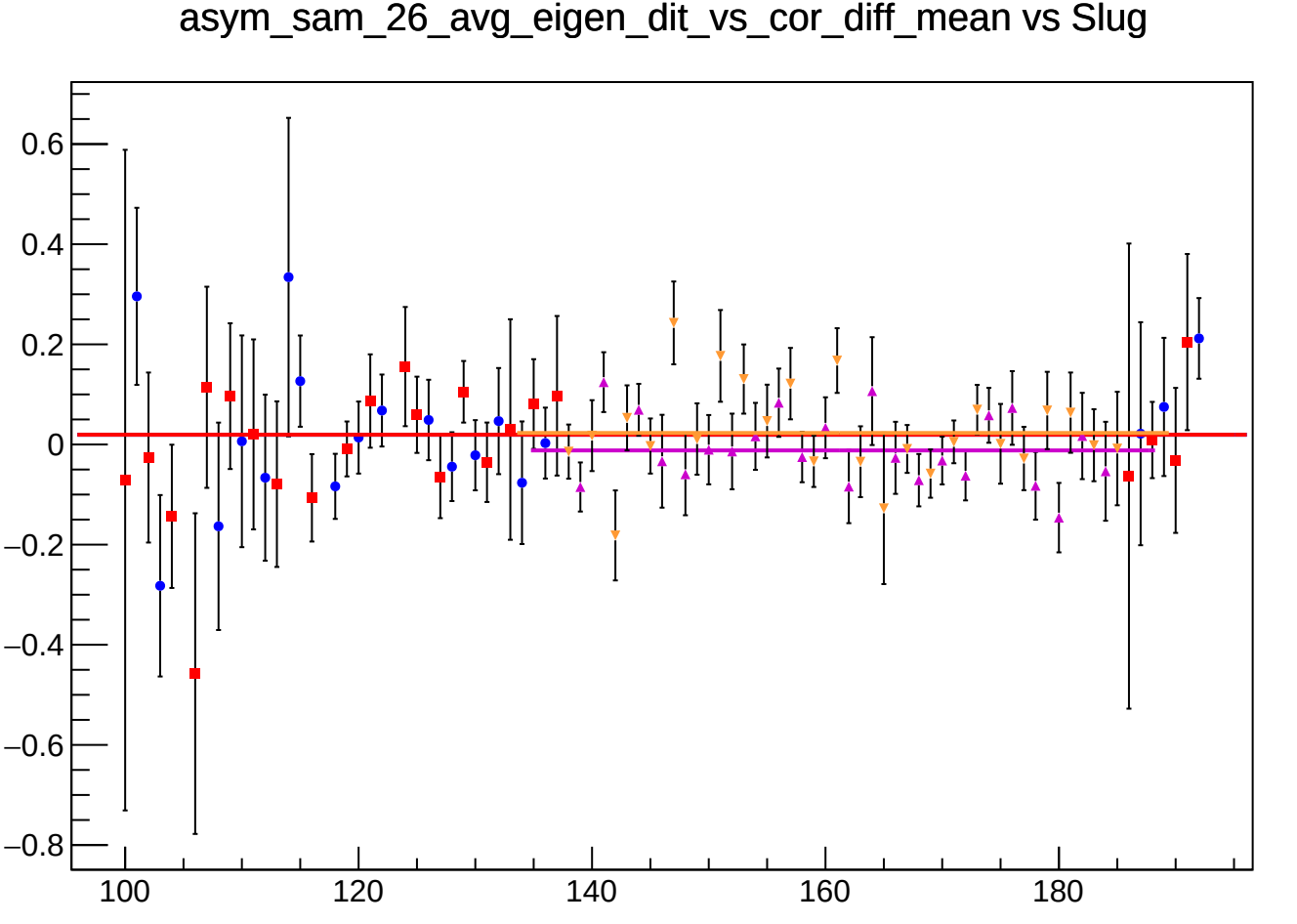
Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.7/43

All: 0.000+/-0.000 χ^2/NDF: 106.9/89

- sign 0.000+/-0.000 χ^2/NDF: 37.1/45


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
Right In: 0.003+/-0.000 χ²/NDF: 4643216.0/18
Left Out: 0.003+/-0.000 χ²/NDF:3602368.5/24
Right Out: 0.003+/-0.000 χ²/NDF: 5394507.5/22
Left In: 0.003+/-0.000 χ²/NDF:3619016.3/22
+ sign 0.003+/-0.000 χ²/NDF: 8405283.7/43
All: 0.003+/-0.000 χ²/NDF: 17616637.7/89
- sign 0.003+/-0.000 χ²/NDF: 9170876.7/45



Right In: 0.019+/-0.022 χ^2/NDF: 19.5/18

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

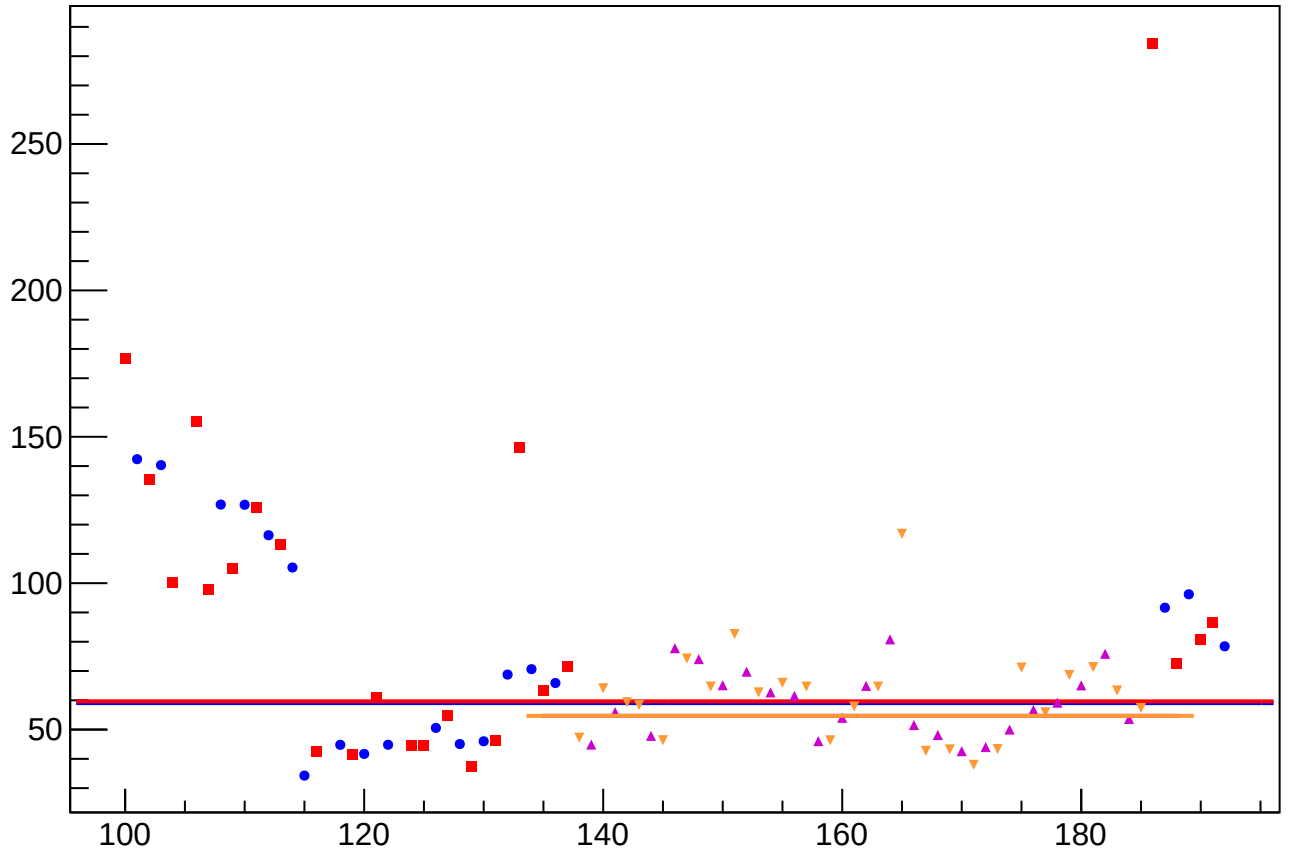
Right Out: 0.020+/-0.022 χ^2/NDF: 14.4/22

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 53.7/43

All: 0.010+/-0.008 χ^2/NDF: 98.1/89

- sign -0.004+/-0.011 χ^2/NDF: 41.7/45



Right In: 59.038+/-0.016 χ^2/NDF: 2518027.3/18

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

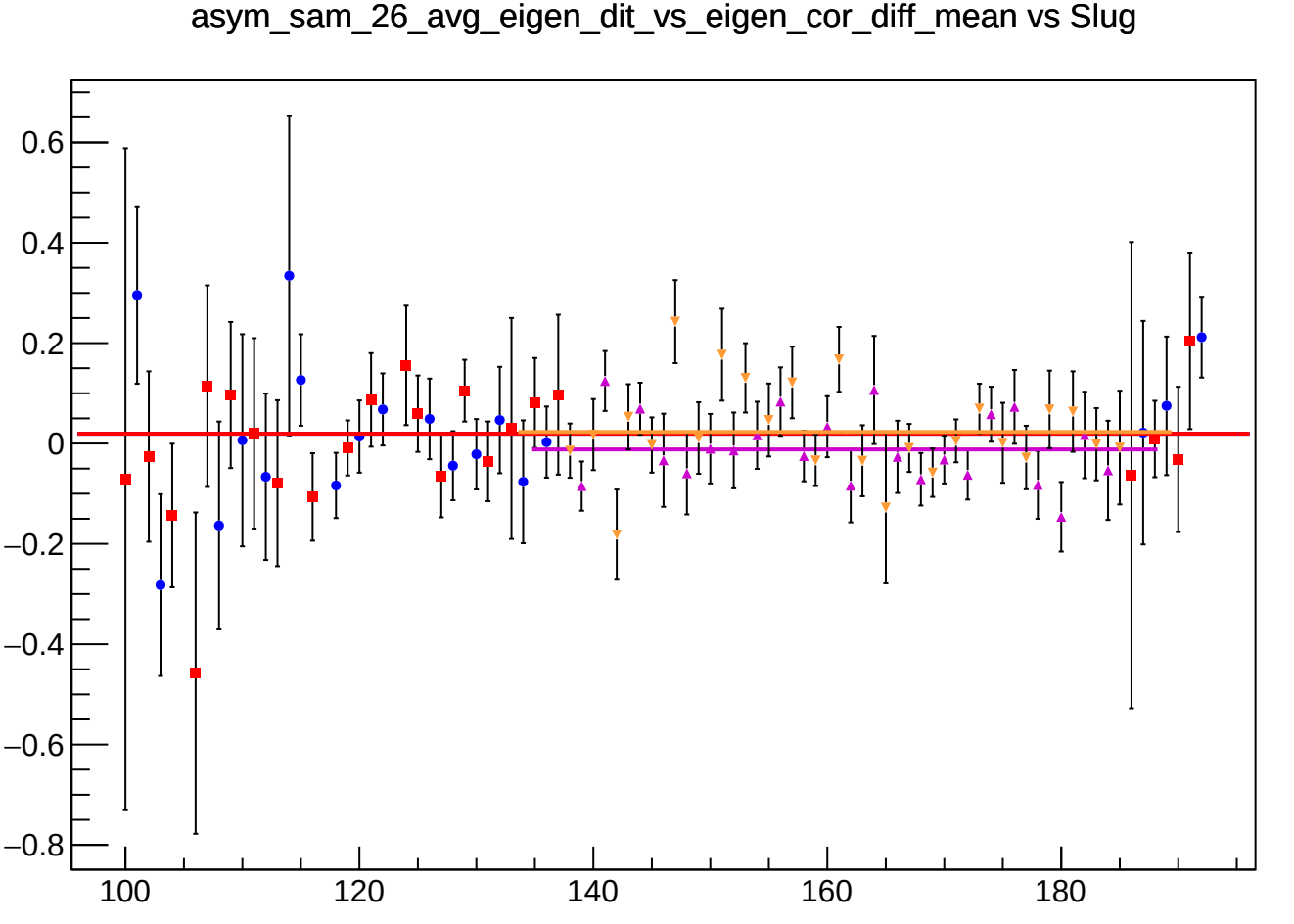
Right Out: 59.633+/-0.016 χ^2/NDF: 3199540.1/22

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

\+ sign 55.797+/-0.008 χ^2/NDF: 4512415.1/43

All: 55.900+/-0.006 χ^2/NDF: 8977136.1/89

\- sign 56.006+/-0.008 χ^2/NDF: 4464378.3/45



Right In: 0.019+/-0.022 χ^2/NDF: 19.5/18

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

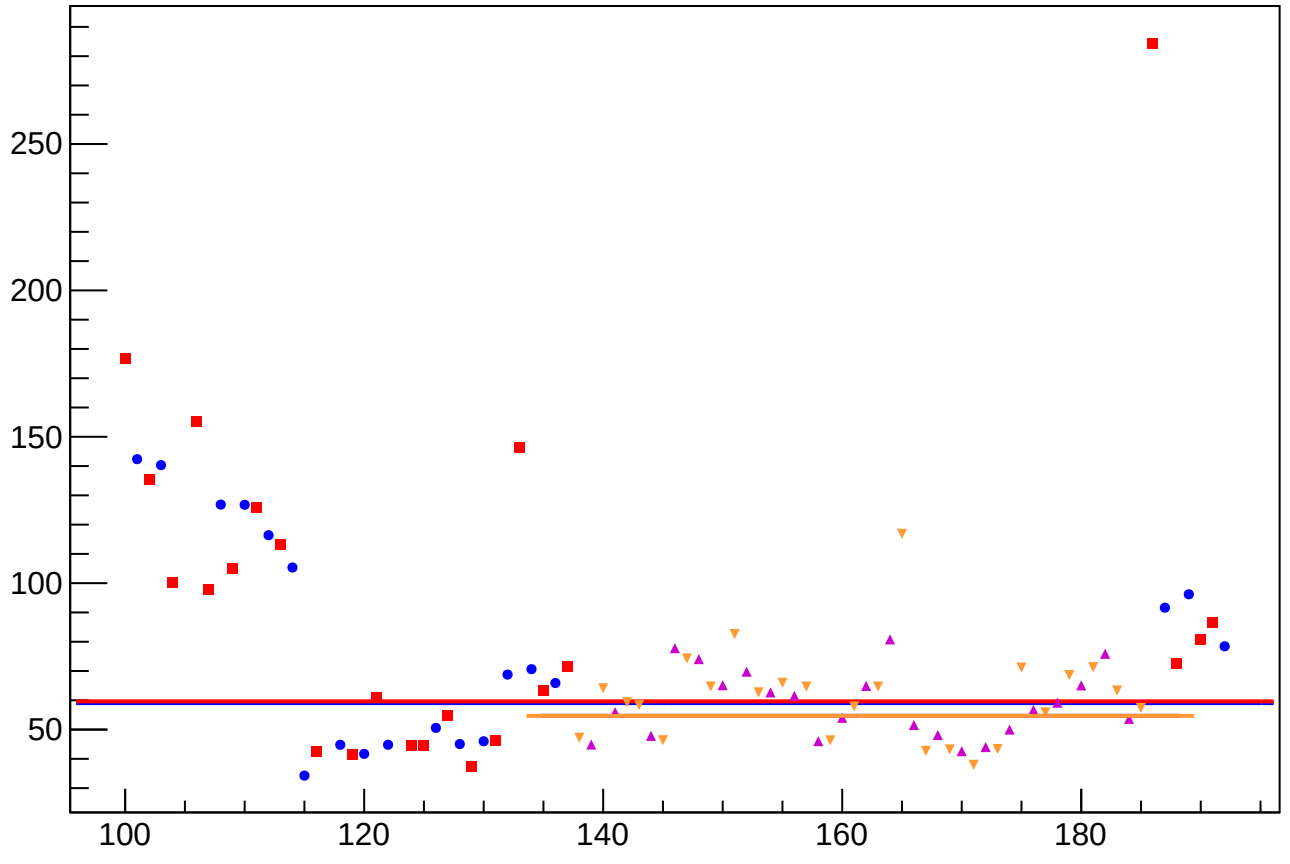
Right Out: 0.020+/-0.022 χ^2/NDF: 14.4/22

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 53.7/43

All: 0.010+/-0.008 χ^2/NDF: 98.1/89

- sign -0.004+/-0.011 χ^2/NDF: 41.7/45



Right In: 59.038+/-0.016 χ^2/NDF: 2518027.3/18

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

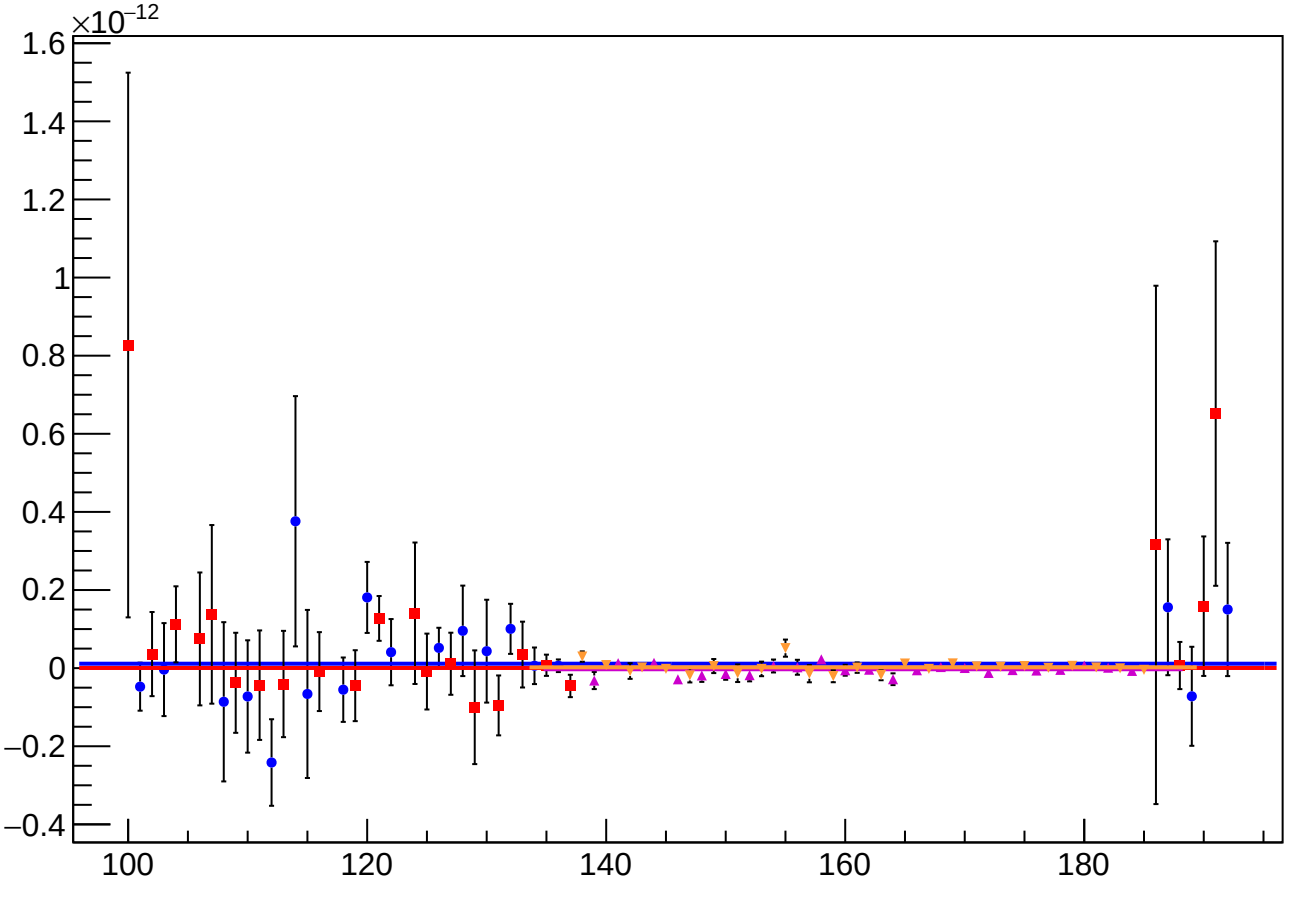
Right Out: 59.633+/-0.016 χ^2/NDF: 3199540.1/22

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 55.797+/-0.008 χ^2/NDF: 4512415.1/43

All: 55.900+/-0.006 χ^2/NDF: 8977136.1/89

- sign 56.006+/-0.008 χ^2/NDF: 4464378.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

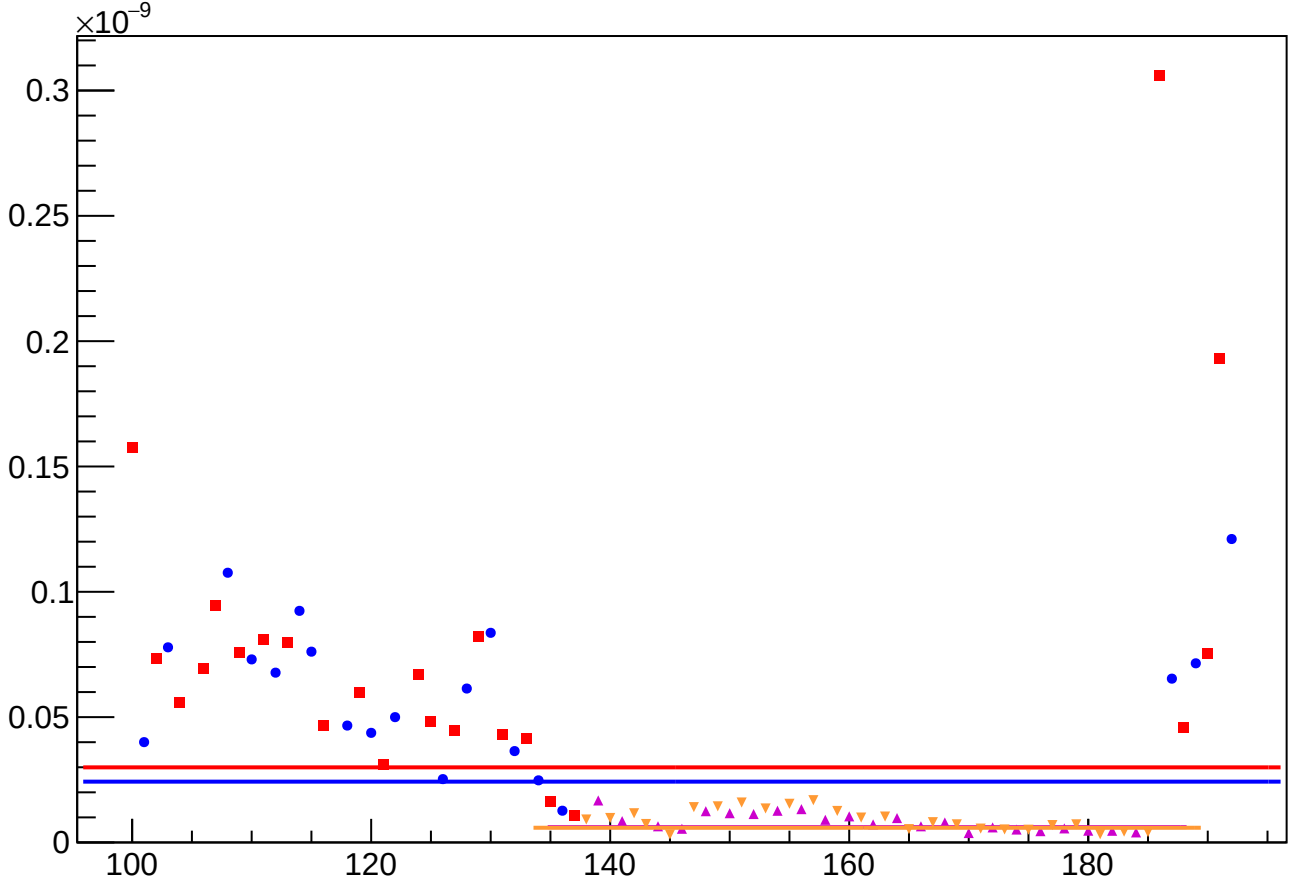
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/22

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.7/43

All: -0.000+/-0.000 χ^2/NDF: 93.1/89

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



Right In: 0.000+/-0.000 χ^2/NDF: 4784545.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4730949.9/22

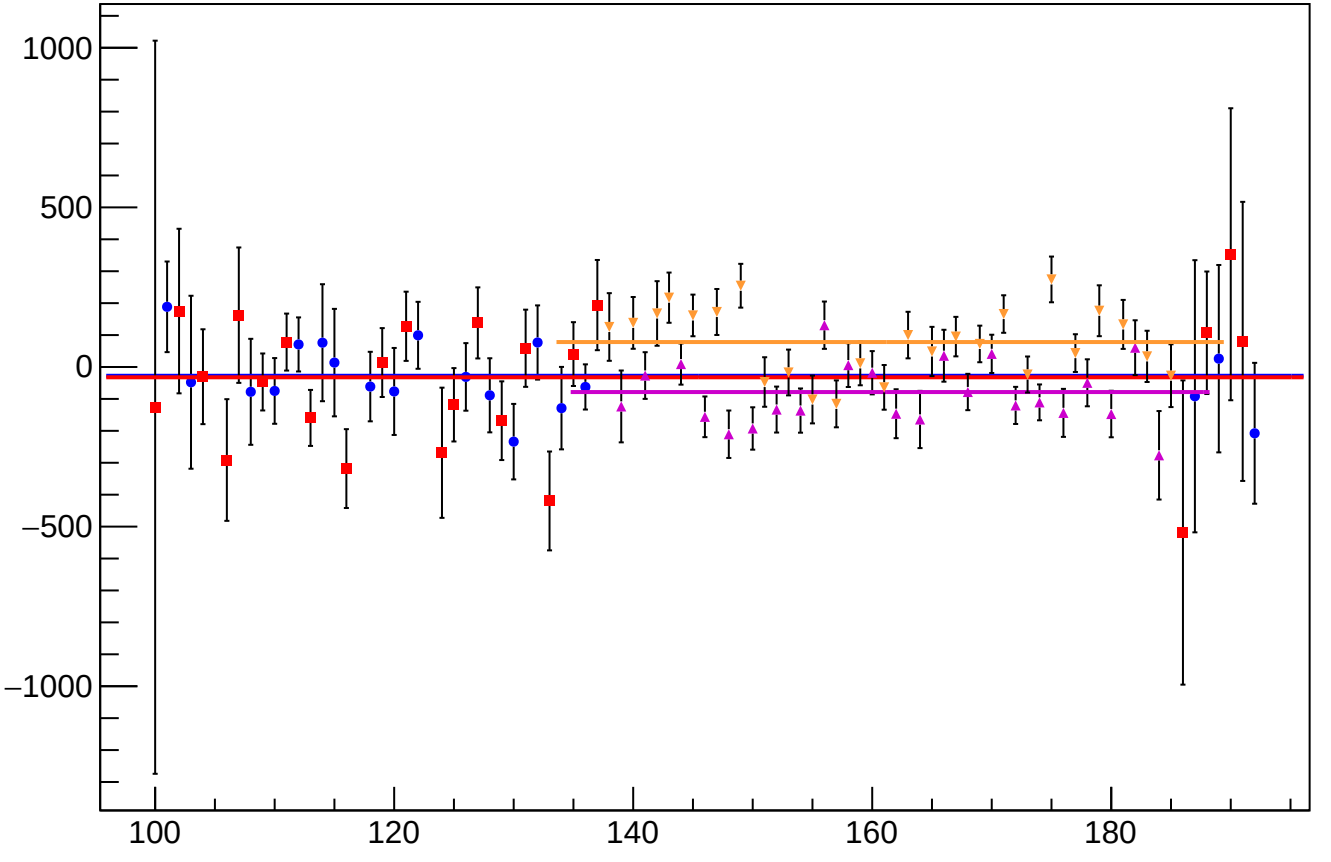
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14358023.8/43

All: 0.000+/-0.000 χ^2/NDF: 27420974.9/89

- sign 0.000+/-0.000 χ^2/NDF: 13041701.9/45

reg_asym_sam_37_avg_mean vs Slug



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

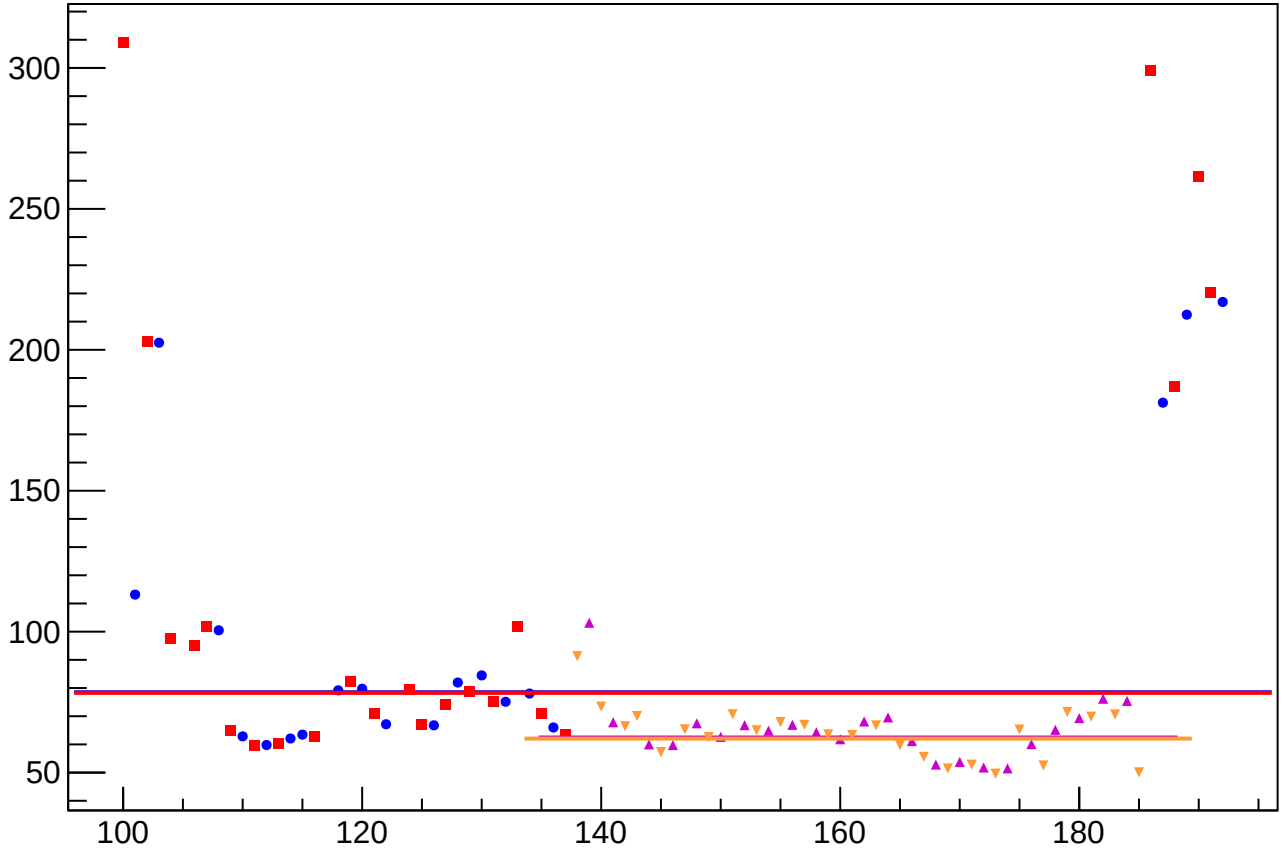
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.809+/-12.797 χ^2/NDF: 76.6/43

All: -4.368+/-9.151 χ^2/NDF: 194.6/89

- sign -68.392+/-13.091 χ^2/NDF: 71.2/45

reg_asym_sam_37_avg_rms vs Slug



Right In: 78.519+/-0.020 χ^2/NDF: 2189064.8/18

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

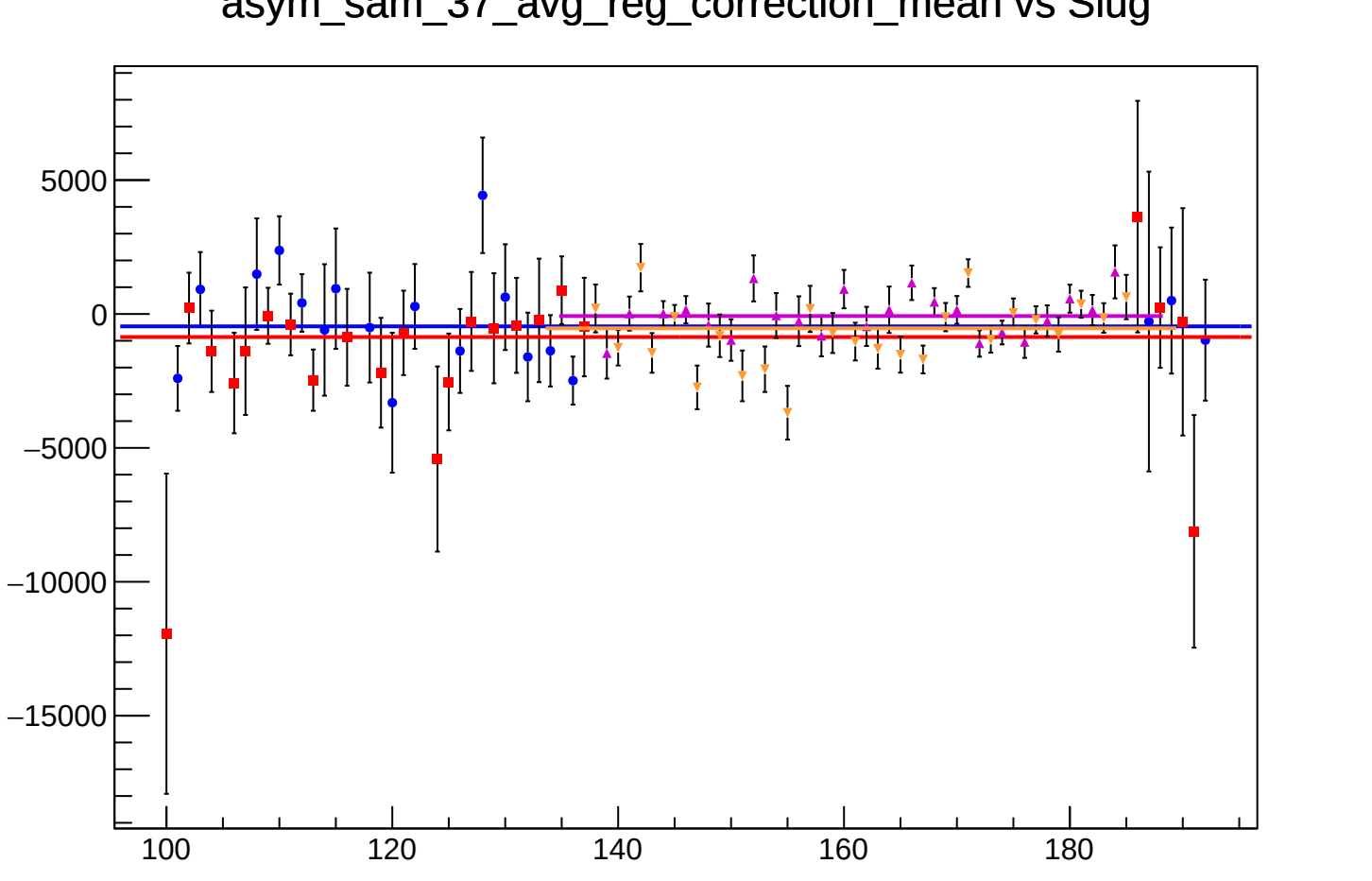
Right Out: 78.302+/-0.020 χ^2/NDF: 2584454.1/22

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 65.388+/-0.009 χ^2/NDF: 3408858.4/43

All: 65.645+/-0.006 χ^2/NDF: 7161181.2/89

- sign 65.915+/-0.009 χ^2/NDF: 3750666.3/45



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

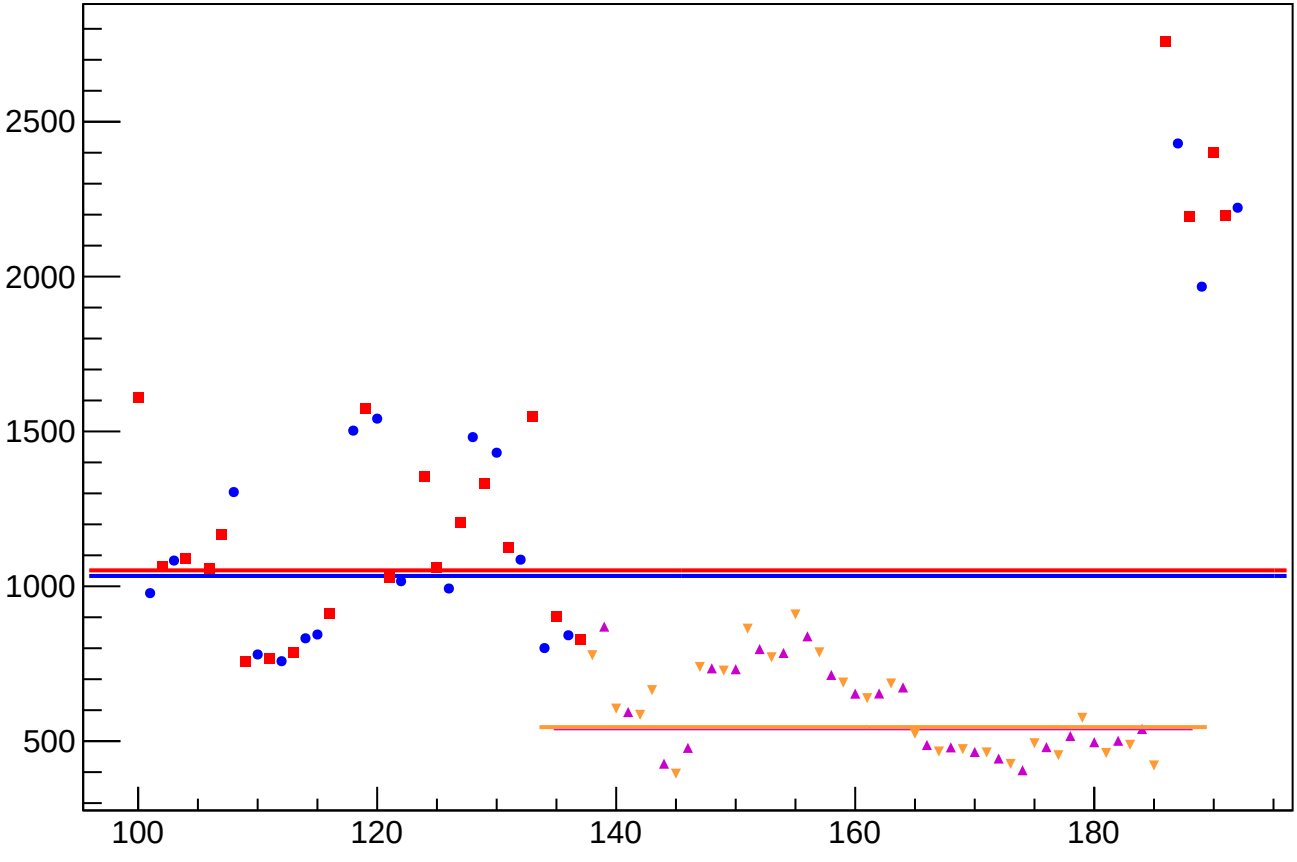
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -525.037+/-120.756 χ^2/NDF: 93.0/43

All: -348.682+/-86.054 χ^2/NDF: 147.0/89

- sign -166.708+/-122.664 χ^2/NDF: 49.7/45

asym_sam_37_avg_reg_correction_rms vs Slug



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

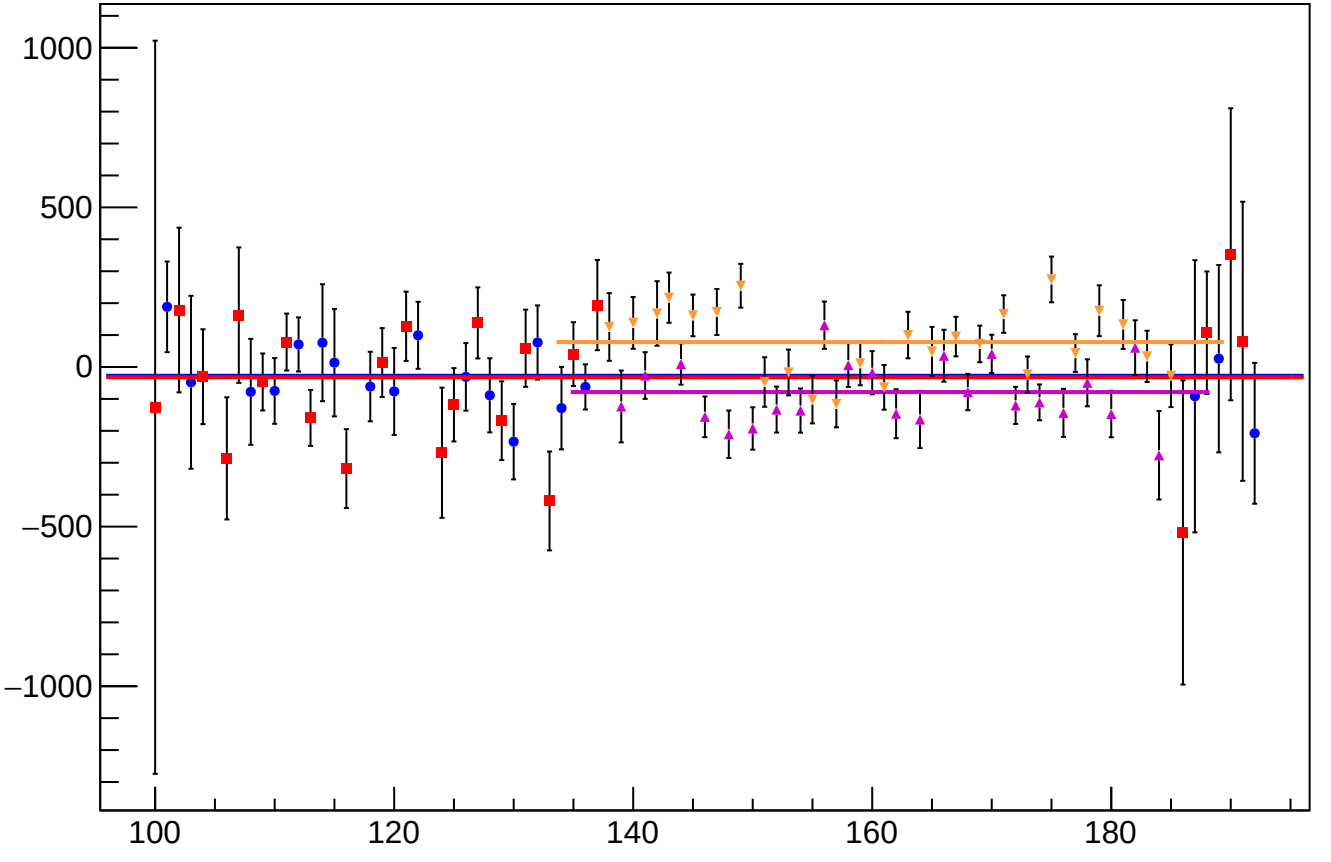
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 598.487+/-0.085 χ^2/NDF: 6952751.8/43

All: 599.037+/-0.061 χ^2/NDF: 14227868.9/89

- sign 599.604+/-0.087 χ^2/NDF: 7275032.9/45

cor_asym_sam_37_avg_mean vs Slug



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

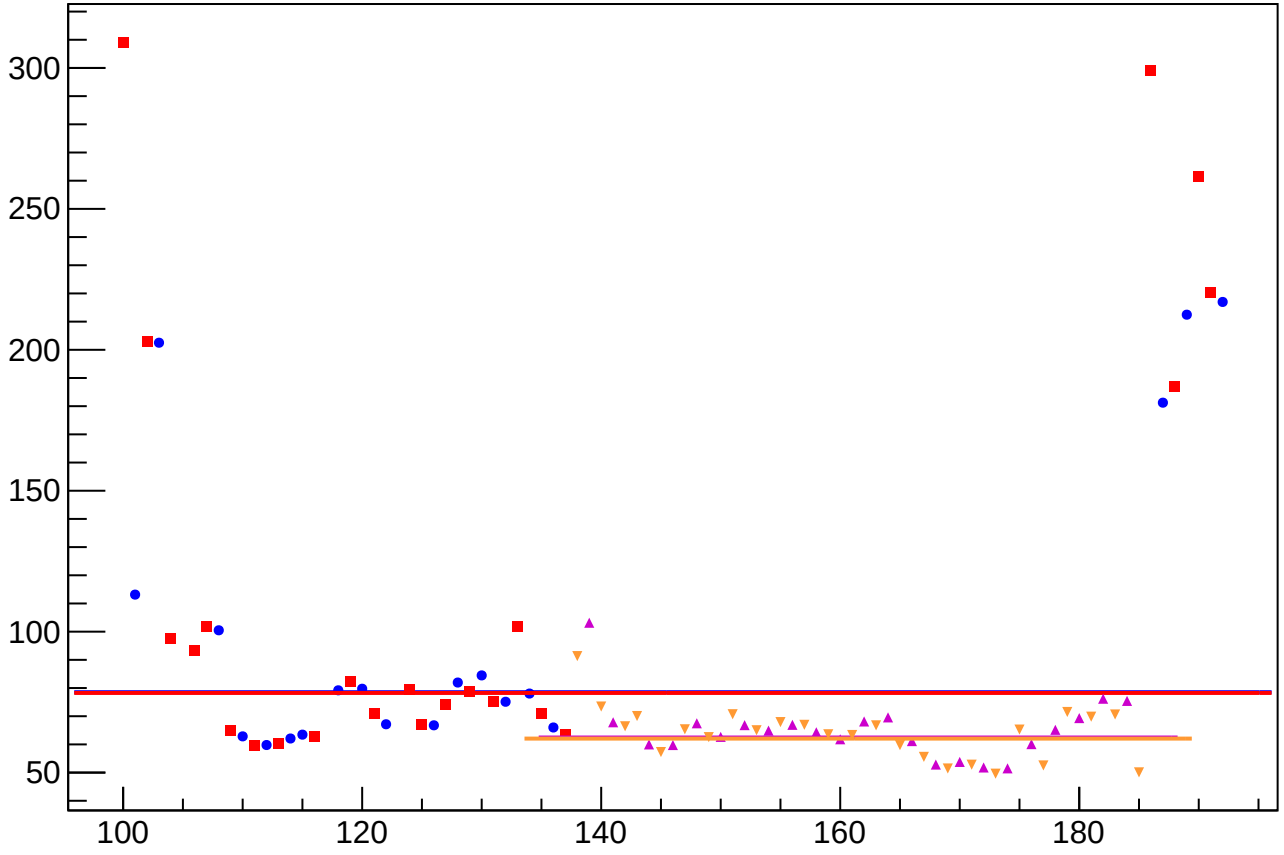
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.810+/-12.797 χ^2/NDF: 76.6/43

All: -4.345+/-9.151 χ^2/NDF: 194.6/89

- sign -68.351+/-13.091 χ^2/NDF: 71.2/45

cor_asym_sam_37_avg_rms vs Slug



Right In: 78.519+/-0.020 χ^2/NDF: 2189067.0/18

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

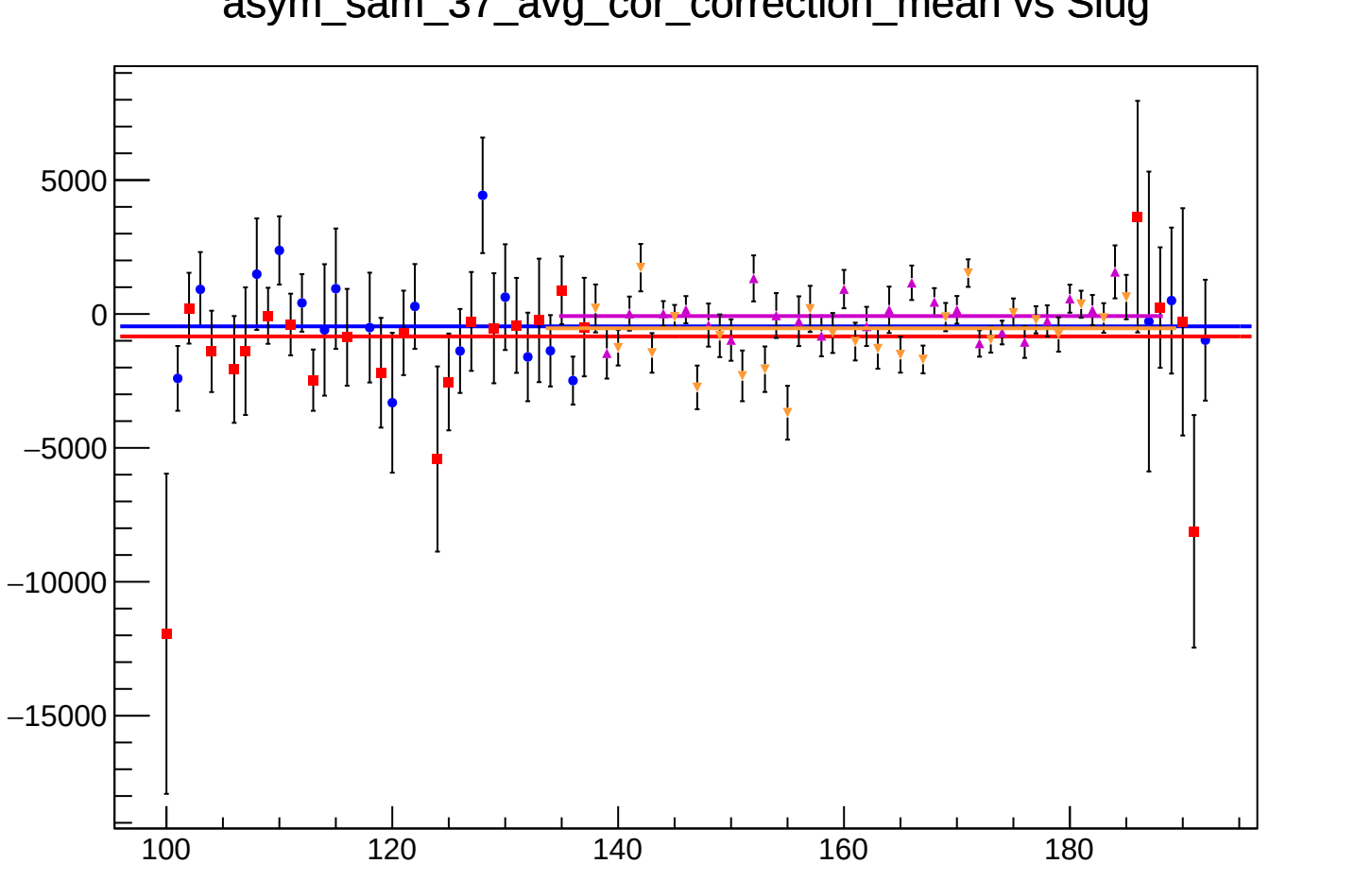
Right Out: 78.263+/-0.020 χ^2/NDF: 2581587.2/22

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 65.388+/-0.009 χ^2/NDF: 3408860.2/43

All: 65.641+/-0.006 χ^2/NDF: 7155679.1/89

- sign 65.905+/-0.009 χ^2/NDF: 3745219.8/45



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

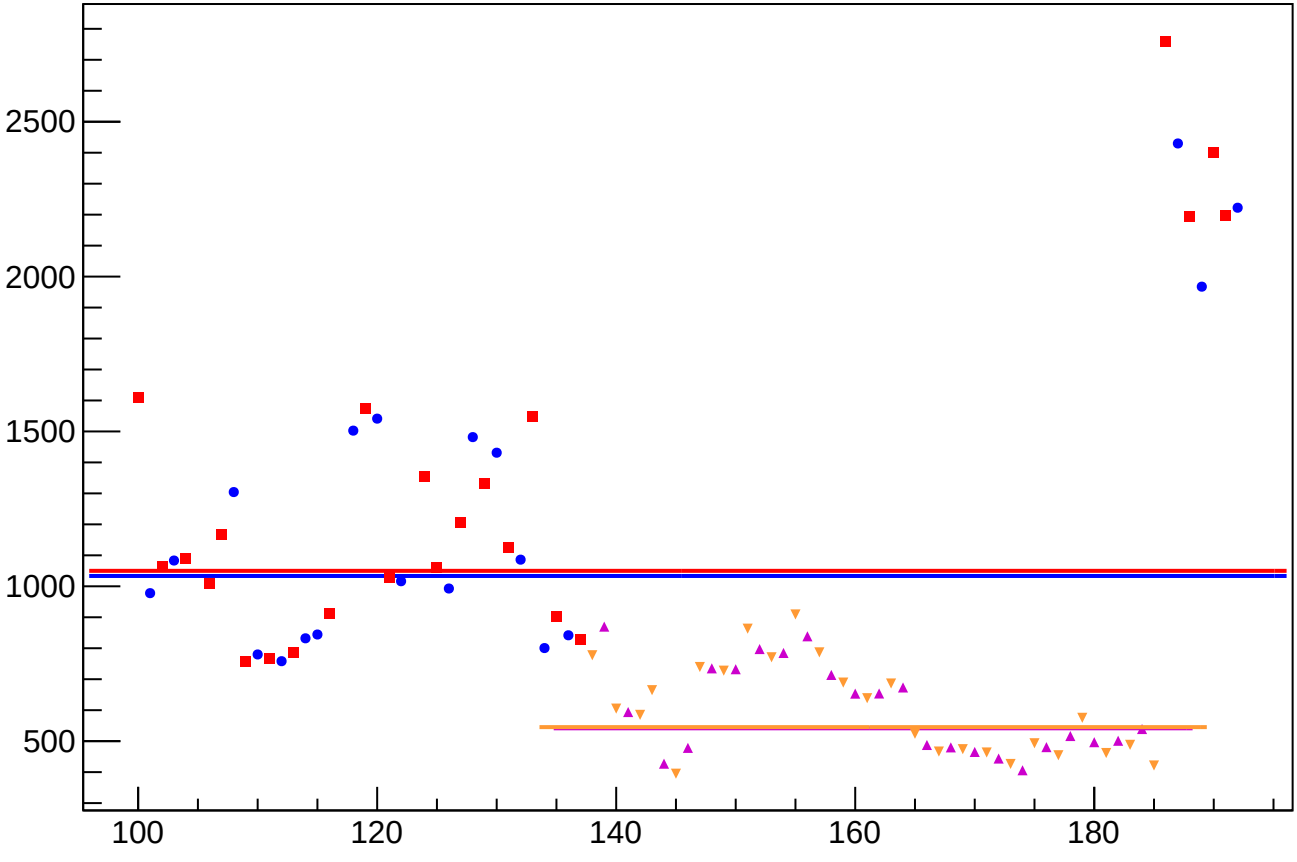
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -525.034+/-120.756 χ^2/NDF: 93.0/43

All: -347.243+/-86.065 χ^2/NDF: 146.4/89

- sign -163.695+/-122.695 χ^2/NDF: 48.9/45

asym_sam_37_avg_cor_correction_rms vs Slug



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

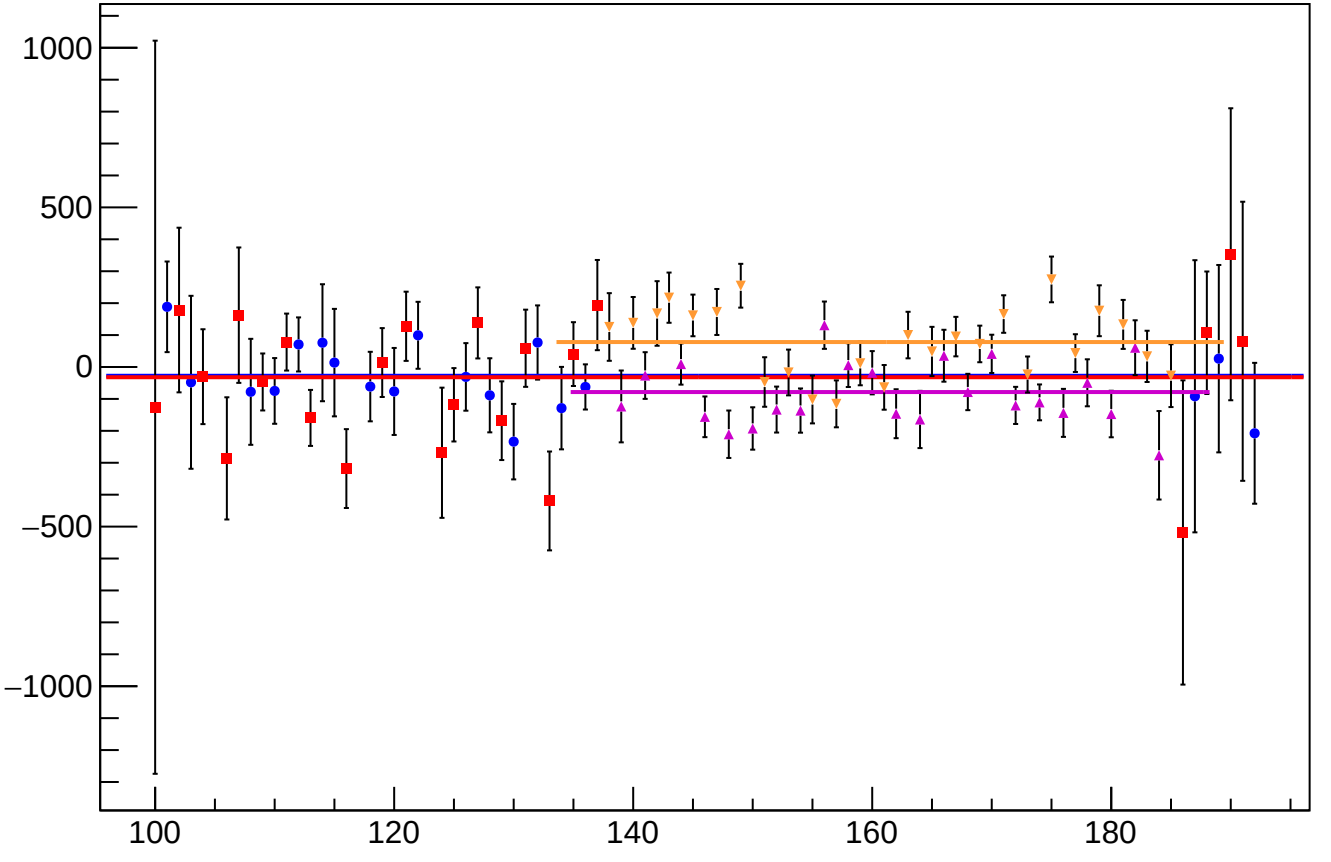
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 598.487+/-0.085 χ^2/NDF: 6952807.4/43

All: 598.838+/-0.061 χ^2/NDF: 14193837.4/89

- sign 599.201+/-0.087 χ^2/NDF: 7240995.6/45

eigen_cor_asym_sam_37_avg_mean vs Slug



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

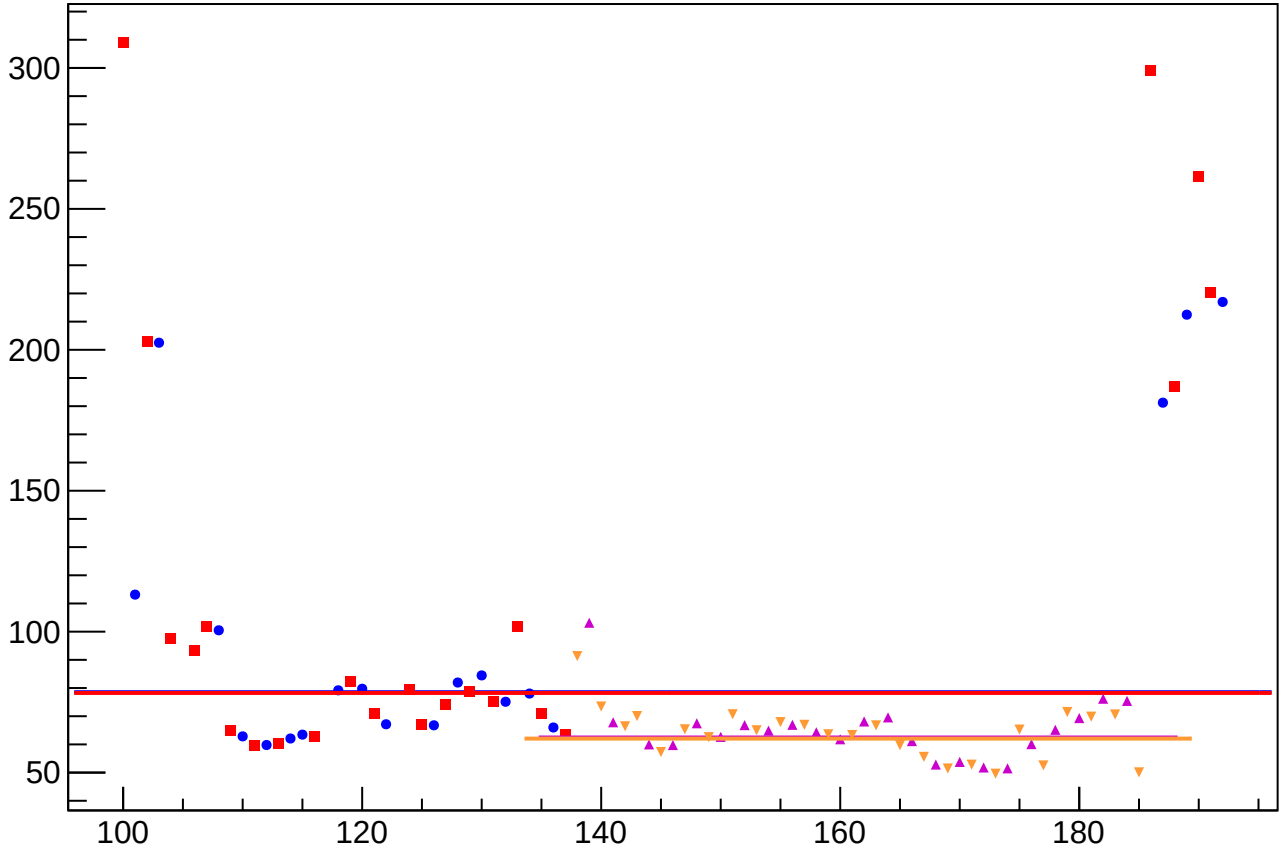
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.810+/-12.797 χ^2/NDF: 76.6/43

All: -4.345+/-9.151 χ^2/NDF: 194.6/89

- sign -68.351+/-13.091 χ^2/NDF: 71.2/45

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 78.519+/-0.020 χ^2/NDF: 2189067.0/18

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

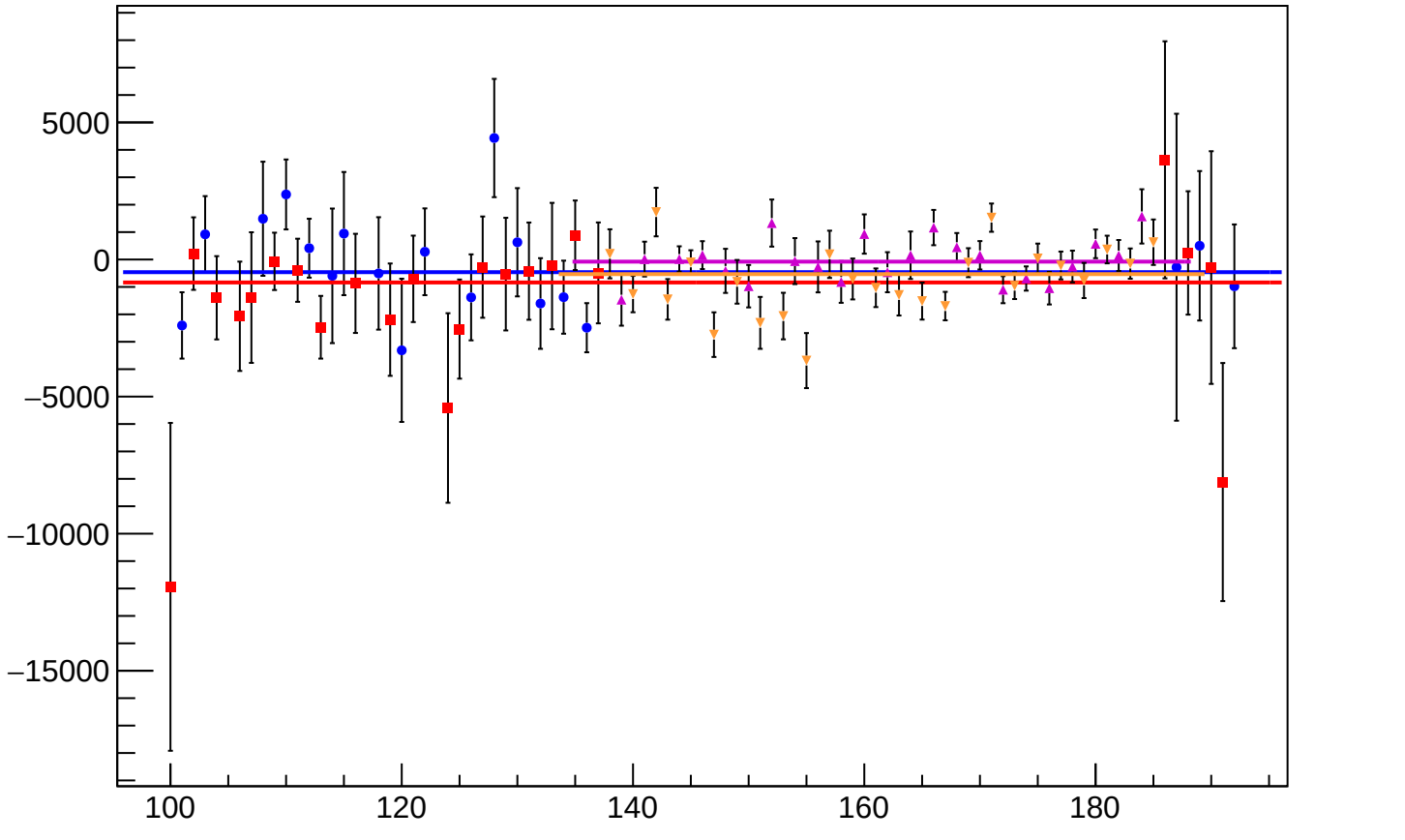
Right Out: 78.263+/-0.020 χ^2/NDF: 2581587.2/22

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 65.388+/-0.009 χ^2/NDF: 3408860.2/43

All: 65.641+/-0.006 χ^2/NDF: 7155679.1/89

- sign 65.905+/-0.009 χ^2/NDF: 3745219.8/45



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

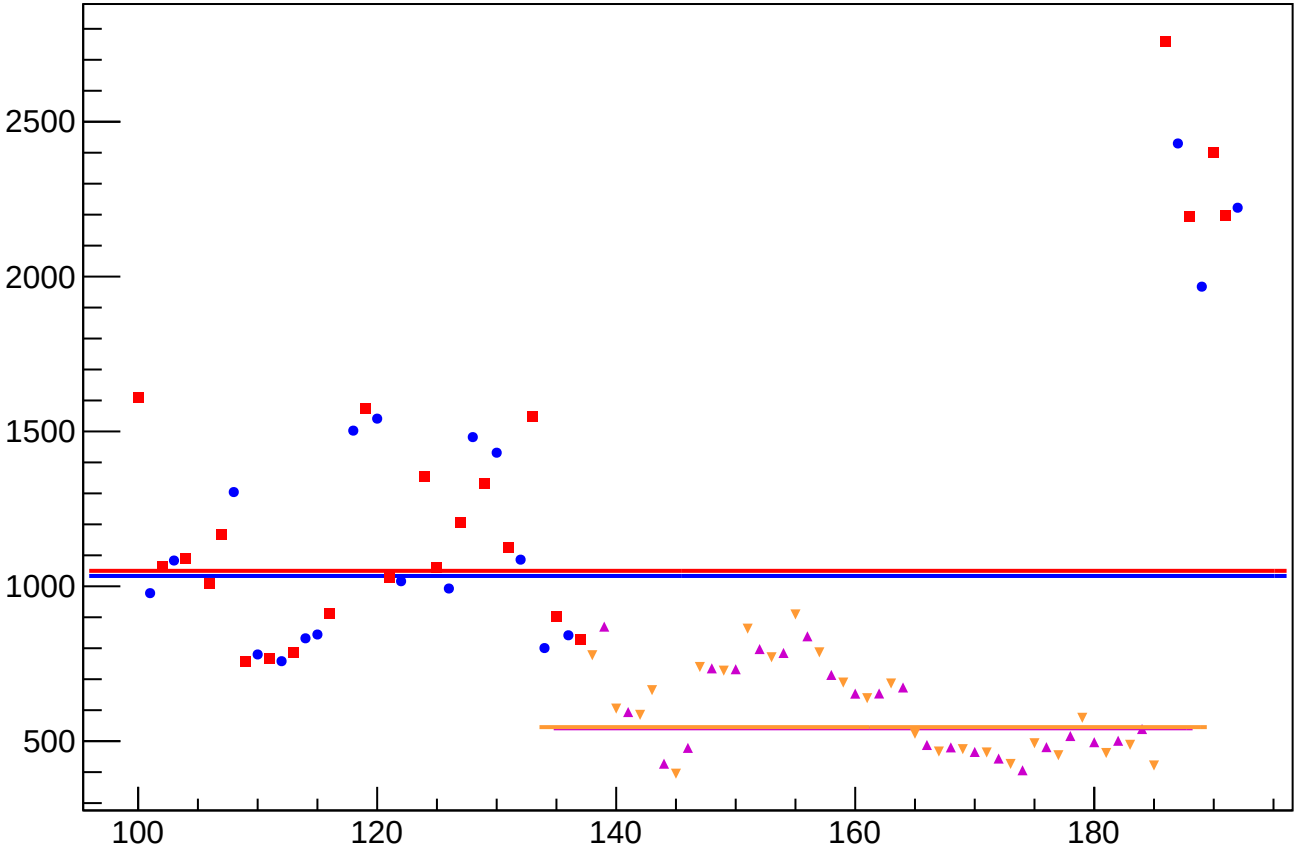
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -525.034+/-120.756 χ^2/NDF: 93.0/43

All: -347.243+/-86.065 χ^2/NDF: 146.4/89

- sign -163.695+/-122.695 χ^2/NDF: 48.9/45

asym_sam_37_avg_eigen_cor_correction_rms vs Slug



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

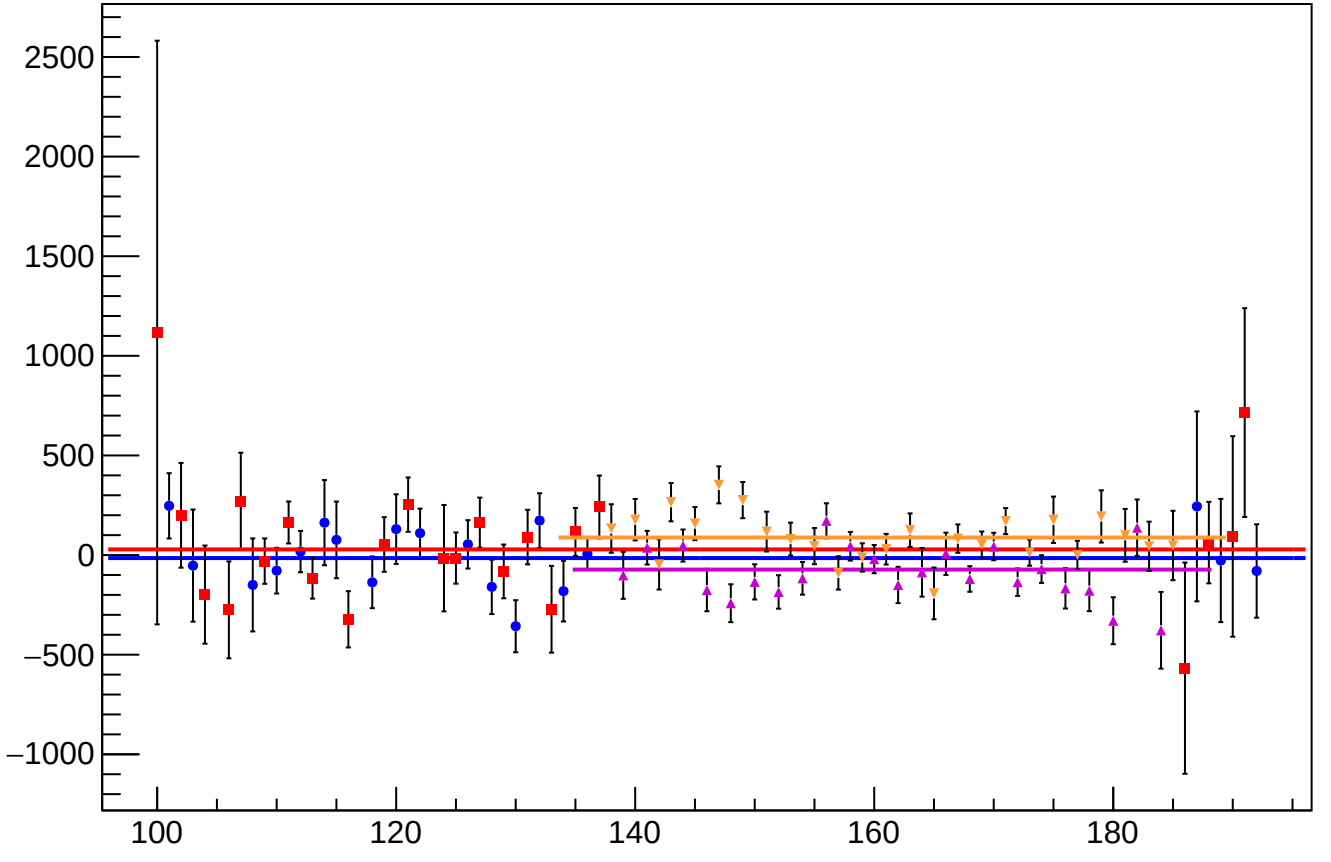
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 598.487+/-0.085 χ^2/NDF: 6952807.4/43

All: 598.838+/-0.061 χ^2/NDF: 14193837.4/89

- sign 599.201+/-0.087 χ^2/NDF: 7240995.6/45

dit_asym_sam_37_avg_mean vs Slug



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

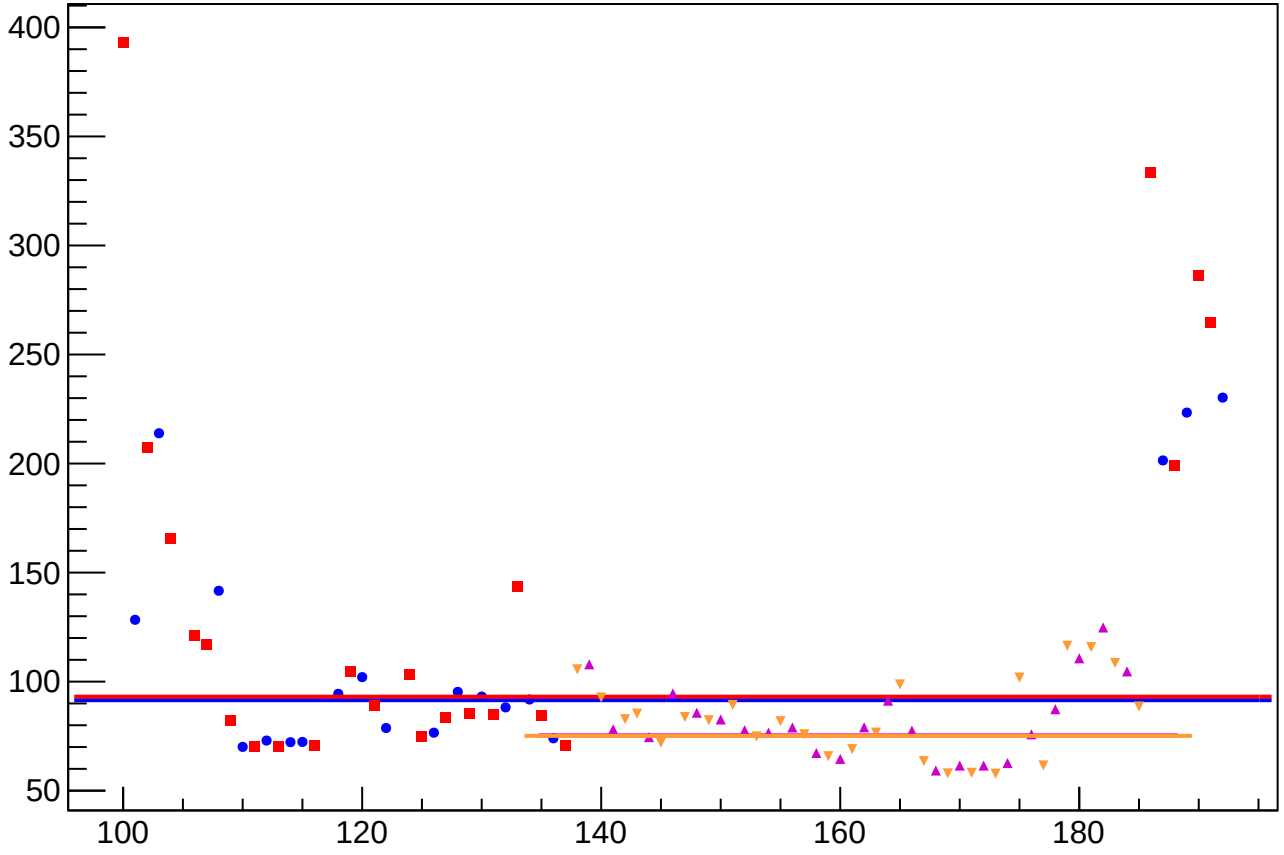
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 65.051+/-15.643 χ^2/NDF: 63.1/43

All: 9.167+/-11.197 χ^2/NDF: 161.4/89

- sign -49.532+/-16.033 χ^2/NDF: 72.1/45

dit_asym_sam_37_avg_rms vs Slug



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

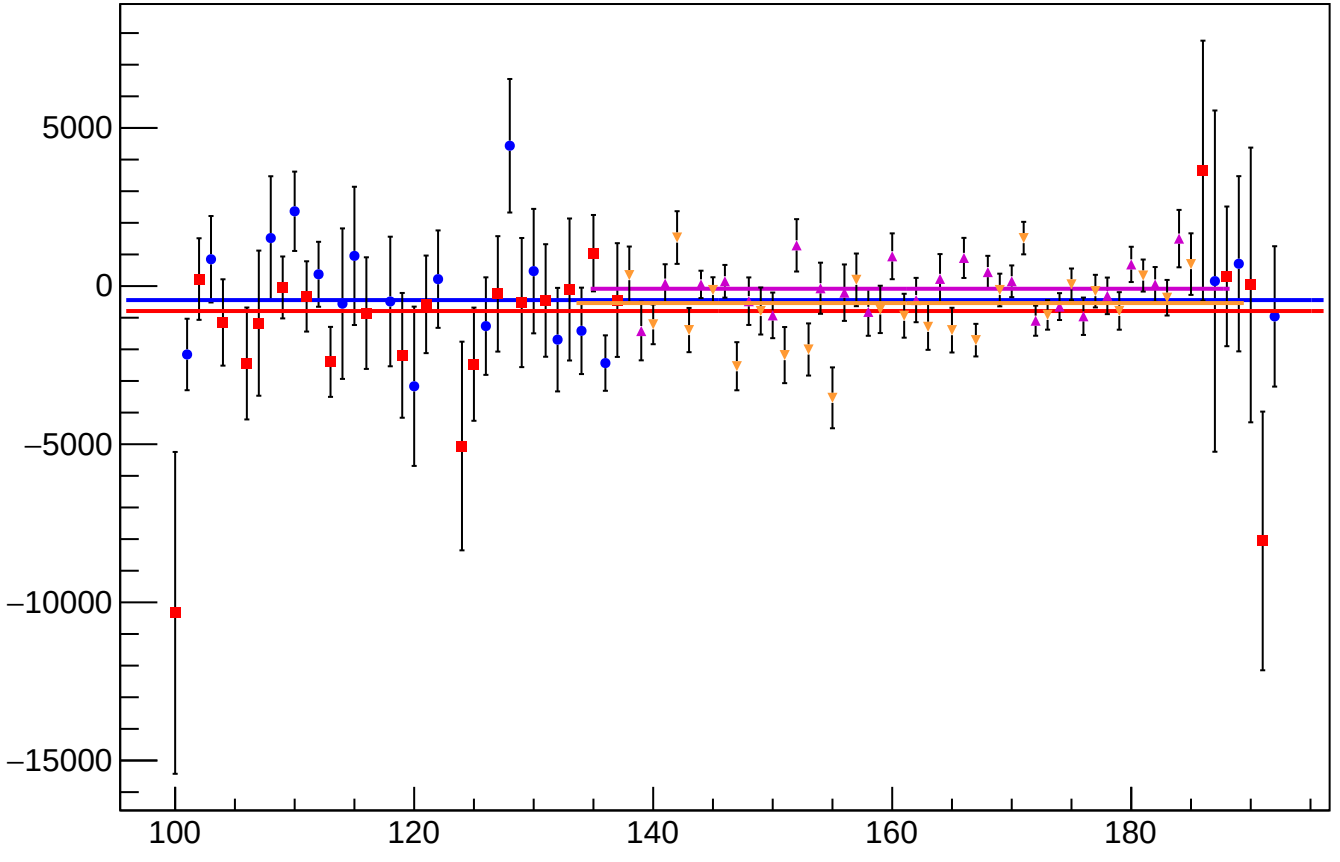
Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 78.774+/-0.011 χ^2/NDF: 4051873.7/43

All: 79.103+/-0.008 χ^2/NDF: 8351513.2/89

- sign 79.450+/-0.011 χ^2/NDF: 4297819.1/45

asym_sam_37_avg_dit_correction_mean vs Slug



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

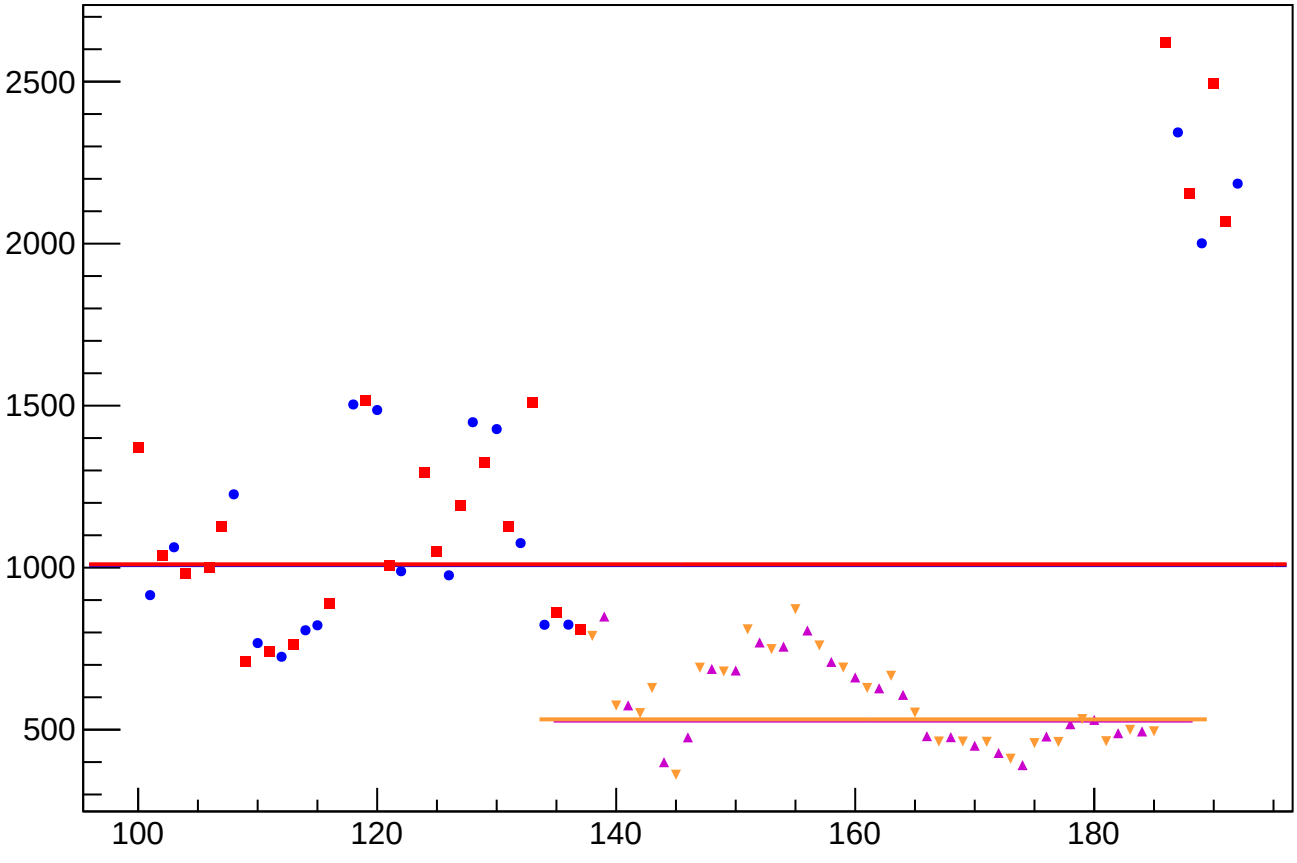
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -526.581+/-117.530 χ^2/NDF: 91.1/43

All: -349.542+/-83.759 χ^2/NDF: 145.0/89

- sign -166.833+/-119.397 χ^2/NDF: 49.3/45

asym_sam_37_avg_dit_correction_rms vs Slug



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

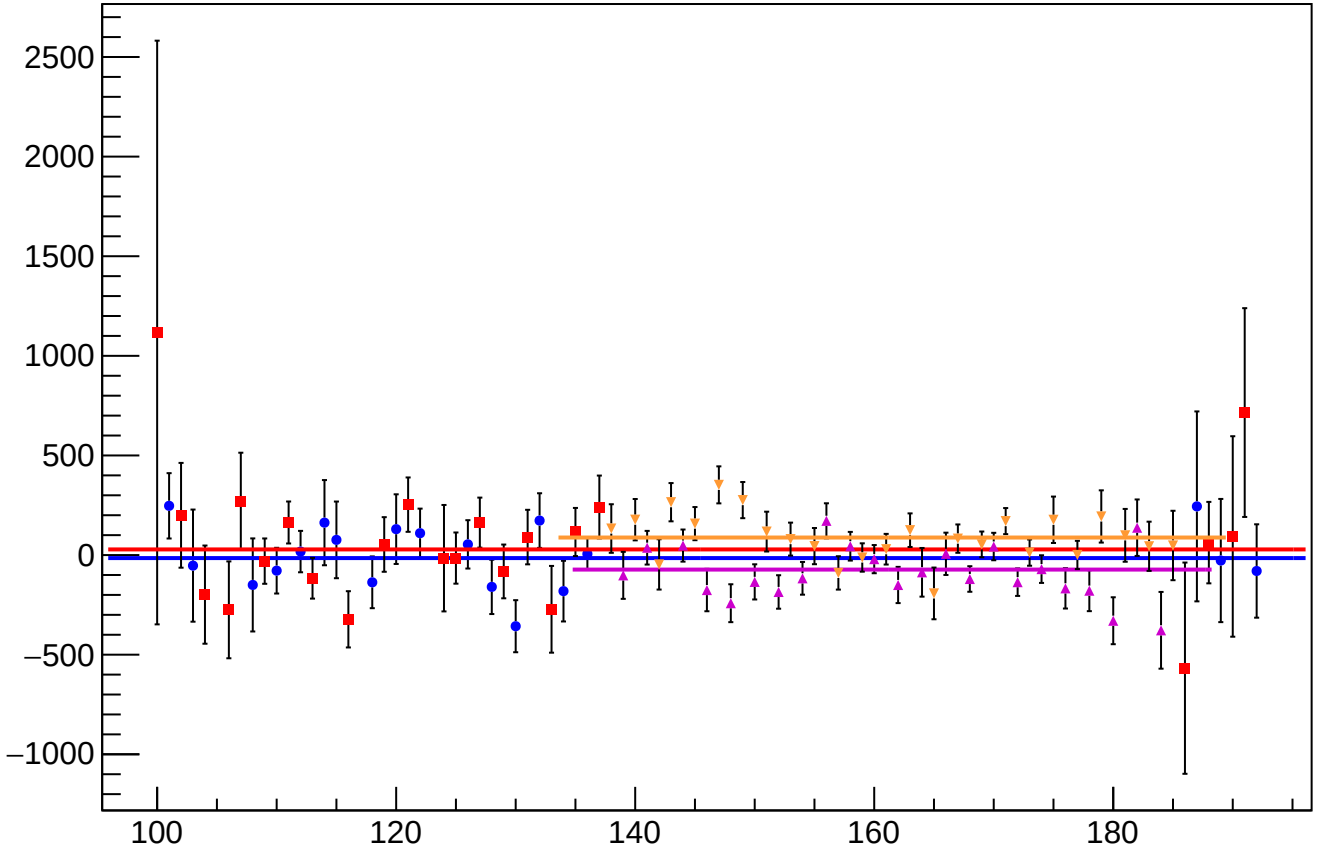
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

\+ sign 583.487+/-0.083 χ^2/NDF: 6944334.8/43

All: 583.874+/-0.059 χ^2/NDF: 14129866.4/89

\- sign 584.272+/-0.084 χ^2/NDF: 7185487.7/45

eigen_dit_asym_sam_37_avg_mean vs Slug



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

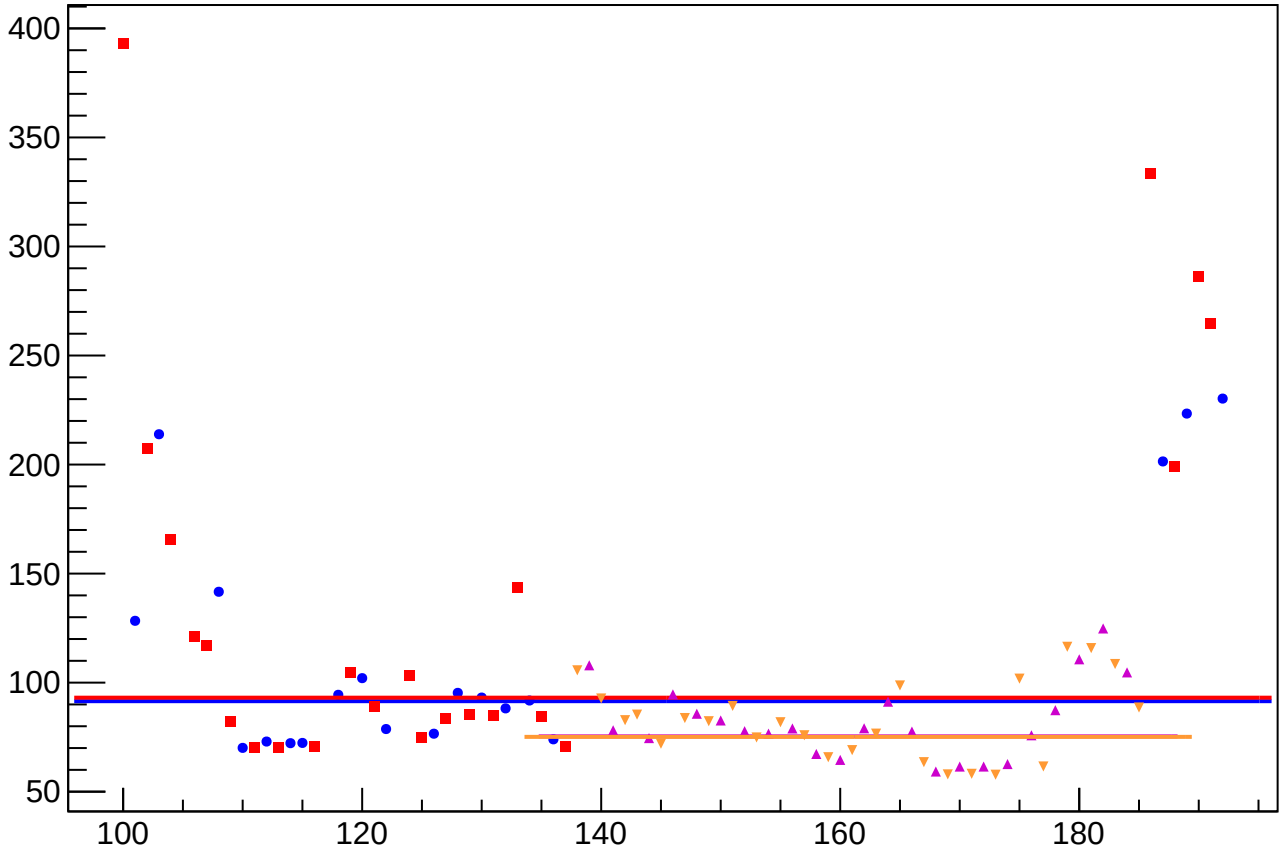
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 65.052+/-15.643 χ^2/NDF: 63.1/43

All: 9.168+/-11.197 χ^2/NDF: 161.4/89

- sign -49.531+/-16.033 χ^2/NDF: 72.1/45

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 91.492+/-0.023 χ^2/NDF: 2071444.3/18

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

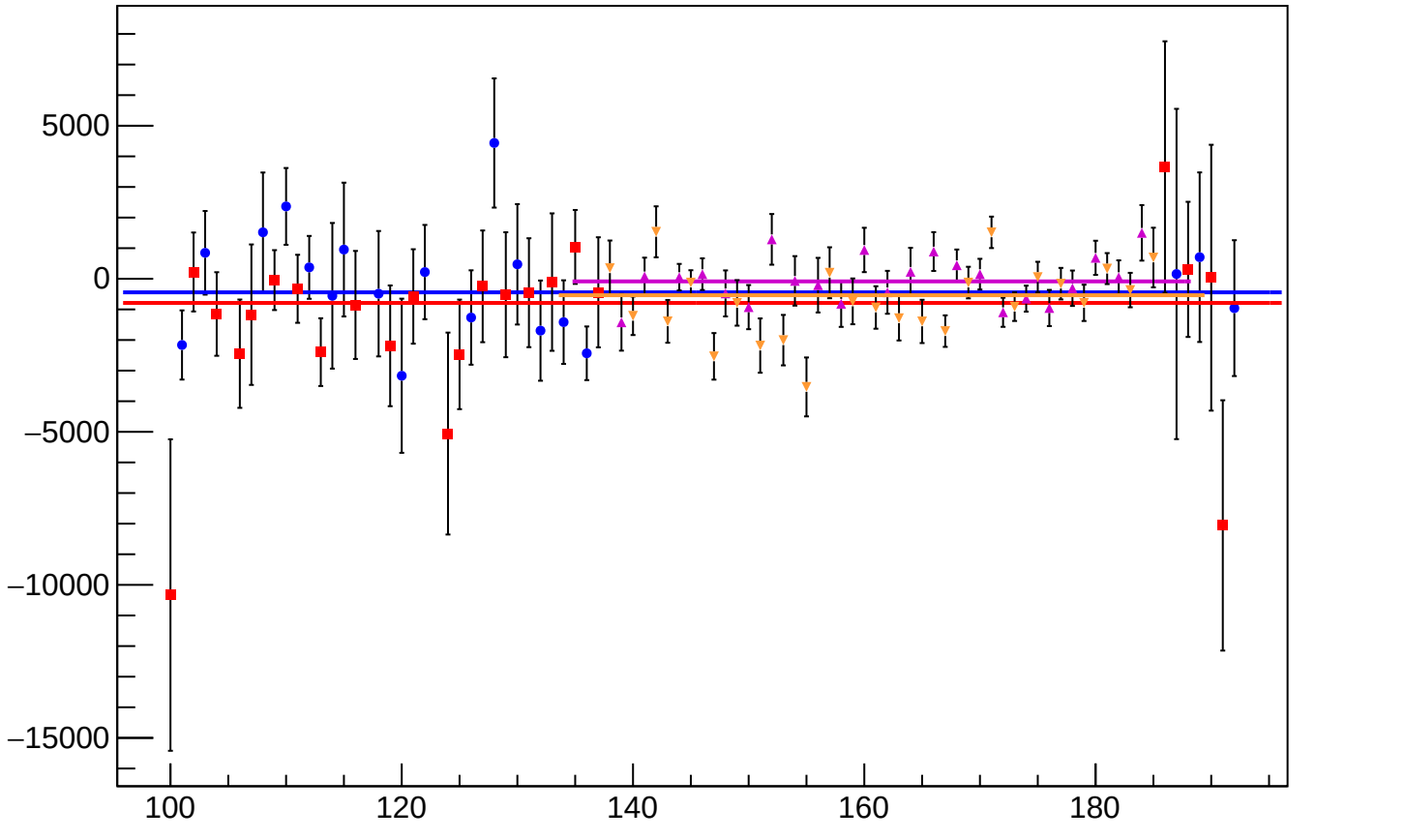
Right Out: 93.099+/-0.024 χ^2/NDF: 2638503.9/22

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 78.774+/-0.011 χ^2/NDF: 4051866.6/43

All: 79.104+/-0.008 χ^2/NDF: 8351511.7/89

- sign 79.450+/-0.011 χ^2/NDF: 4297824.7/45



Right In: -442.633+/-356.938 χ^2/NDF: 24.0/18

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

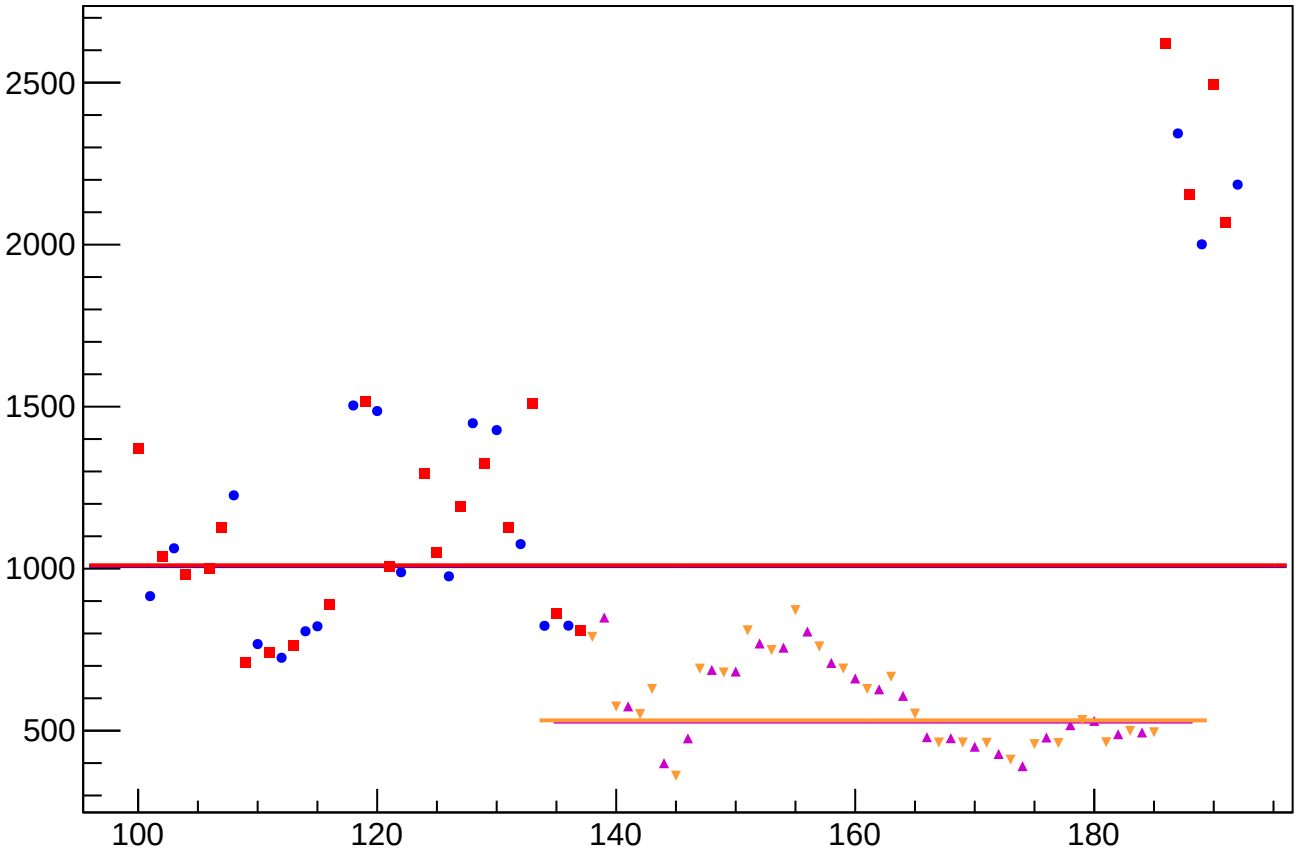
Right Out: -788.794+/-349.524 χ^2/NDF: 18.2/22

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -526.581+/-117.530 χ^2/NDF: 91.1/43

All: -349.542+/-83.759 χ^2/NDF: 145.0/89

- sign -166.833+/-119.397 χ^2/NDF: 49.3/45



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

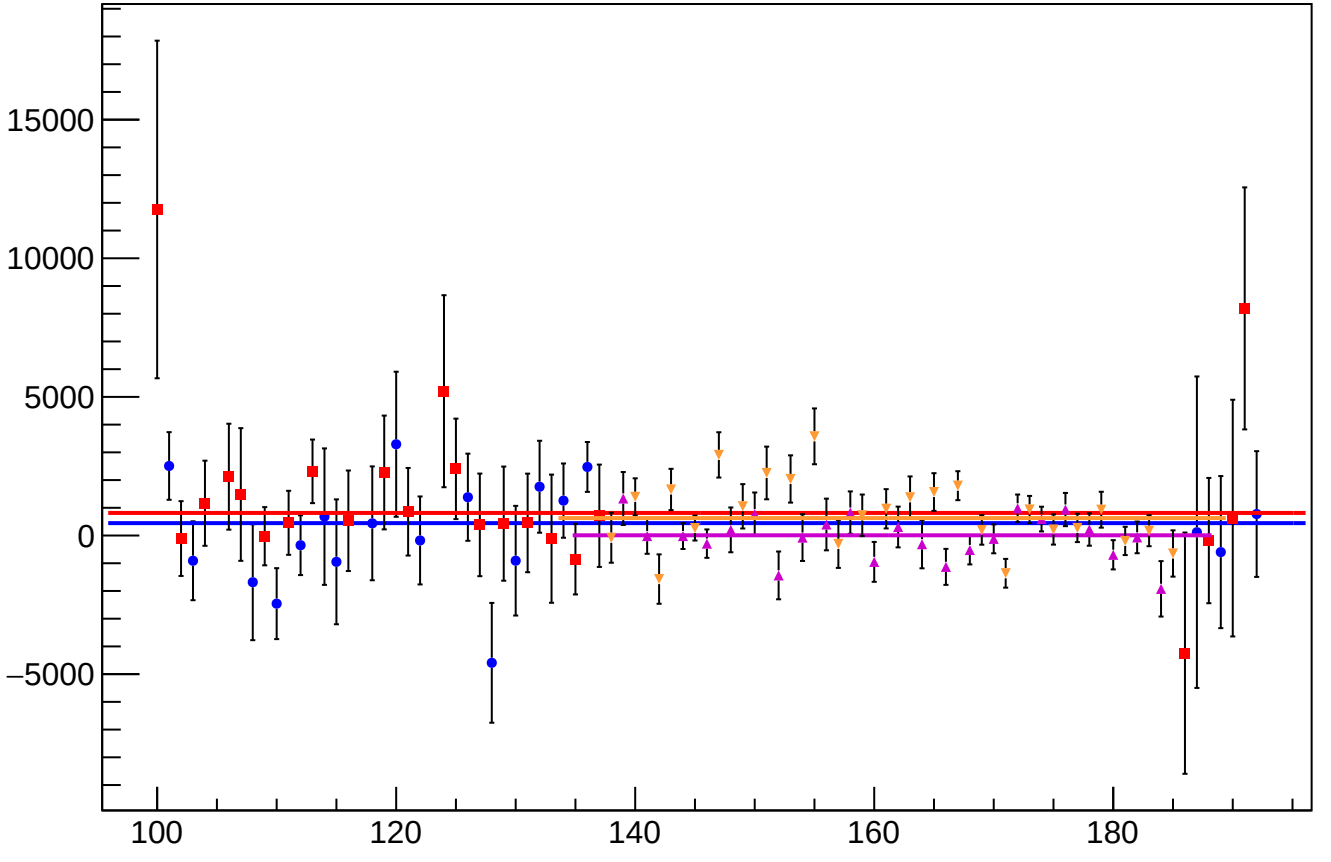
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

\+ sign 583.487+/-0.083 χ^2/NDF: 6944322.6/43

All: 583.873+/-0.059 χ^2/NDF: 14129837.4/89

\- sign 584.272+/-0.084 χ^2/NDF: 7185470.8/45

asym_sam_37_avg_mean vs Slug



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

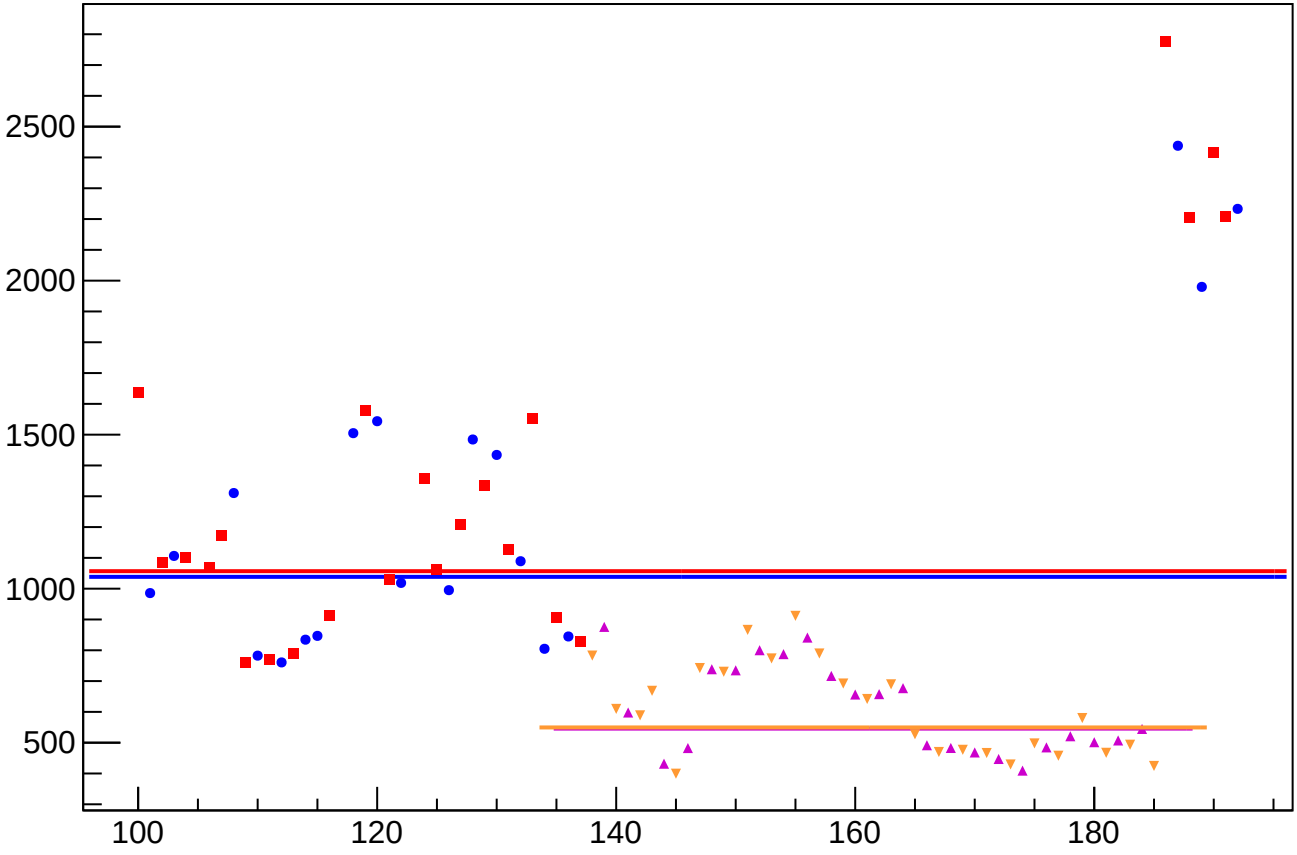
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 609.422+/-121.600 χ^2/NDF: 89.8/43

All: 359.106+/-86.665 χ^2/NDF: 146.2/89

- sign 100.696+/-123.550 χ^2/NDF: 47.7/45

asym_sam_37_avg_rms vs Slug



Right In: 1038.420+/-0.260 χ^2/NDF: 1698338.2/18

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

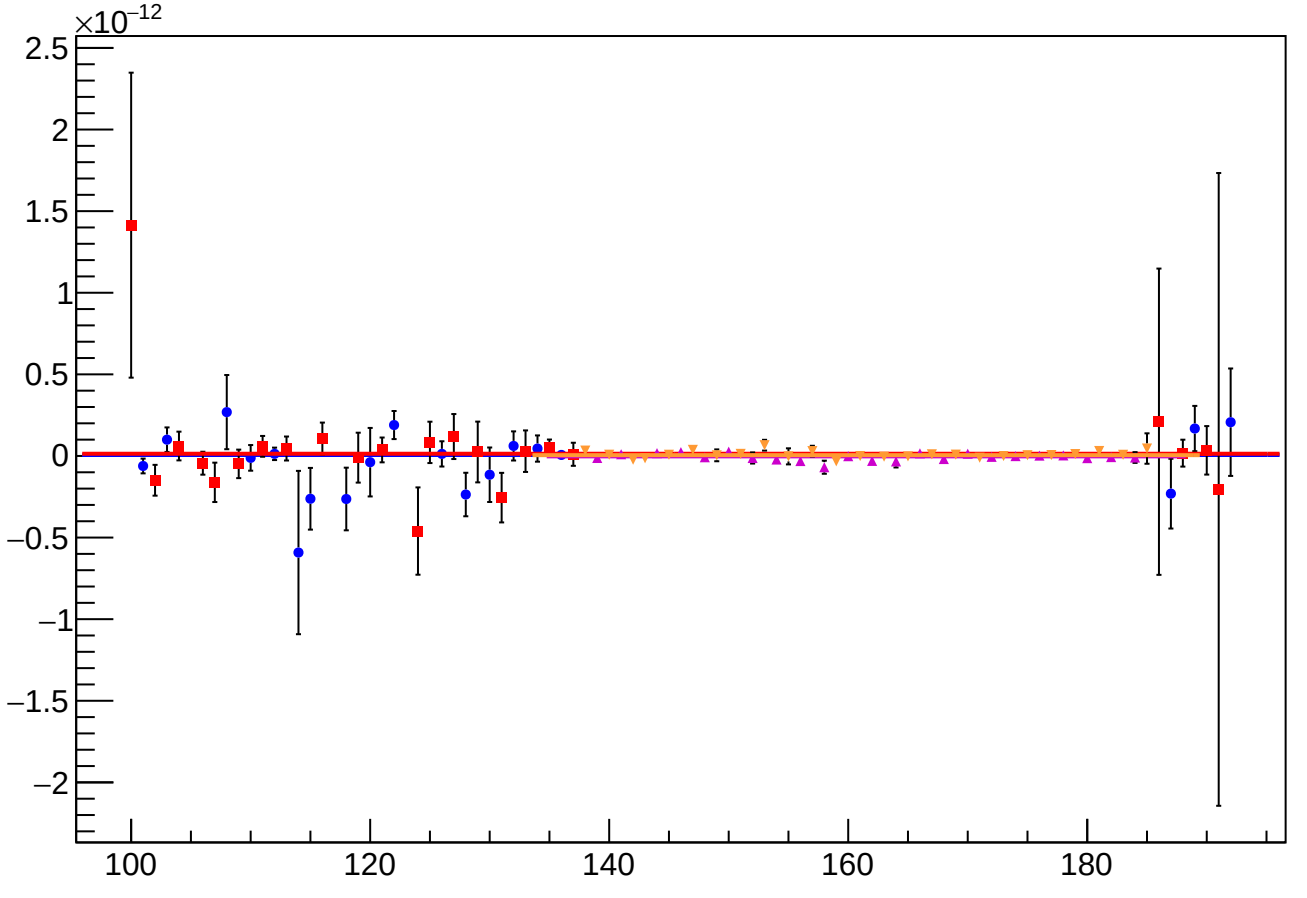
Right Out: 1056.788+/-0.258 χ^2/NDF: 1946529.5/22

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 602.973+/-0.086 χ^2/NDF: 6903170.9/43

All: 603.570+/-0.061 χ^2/NDF: 14132148.4/89

- sign 604.187+/-0.087 χ^2/NDF: 7228879.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

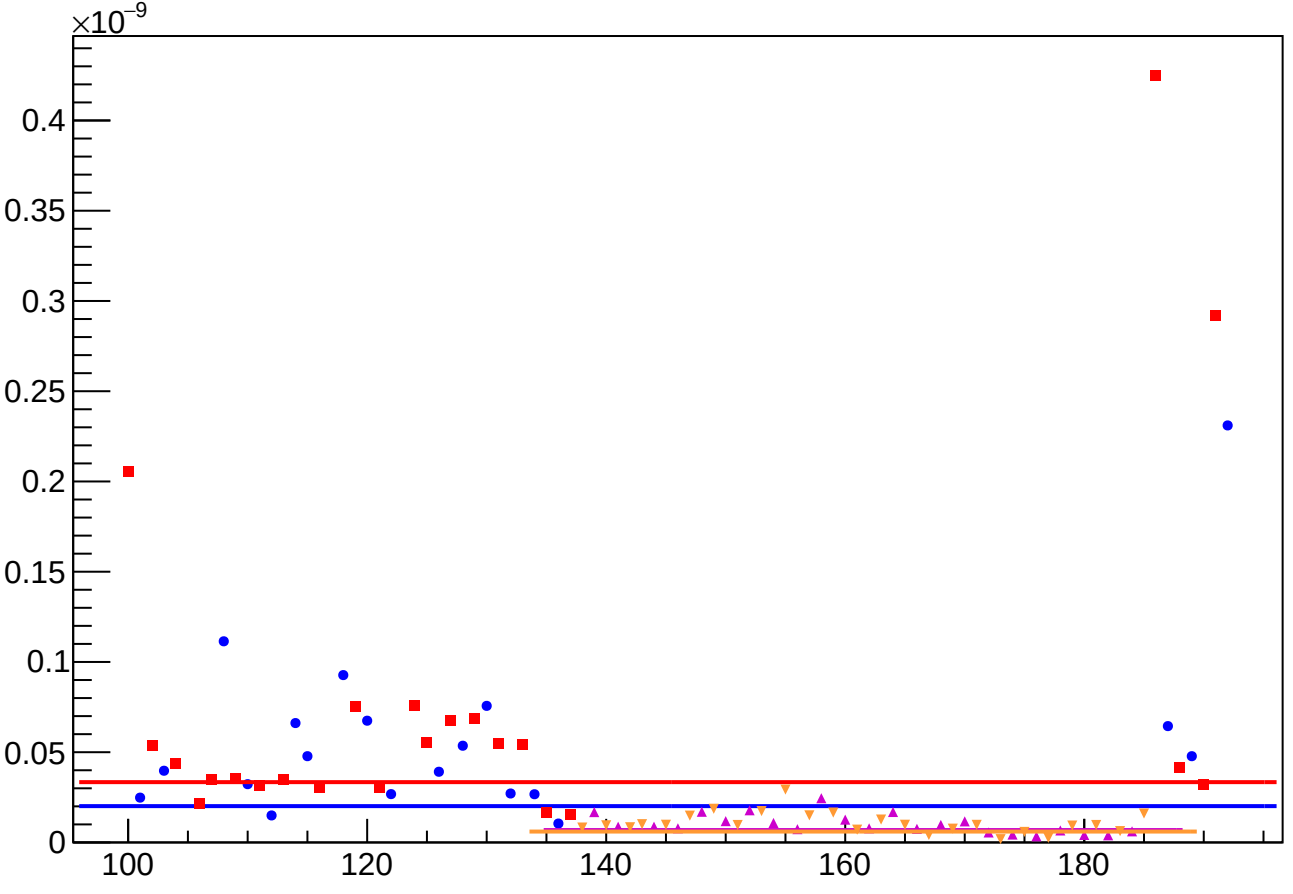
Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/22

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.3/43

All: 0.000+/-0.000 χ^2/NDF: 79.8/89

- sign -0.000+/-0.000 χ^2/NDF: 39.1/45



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

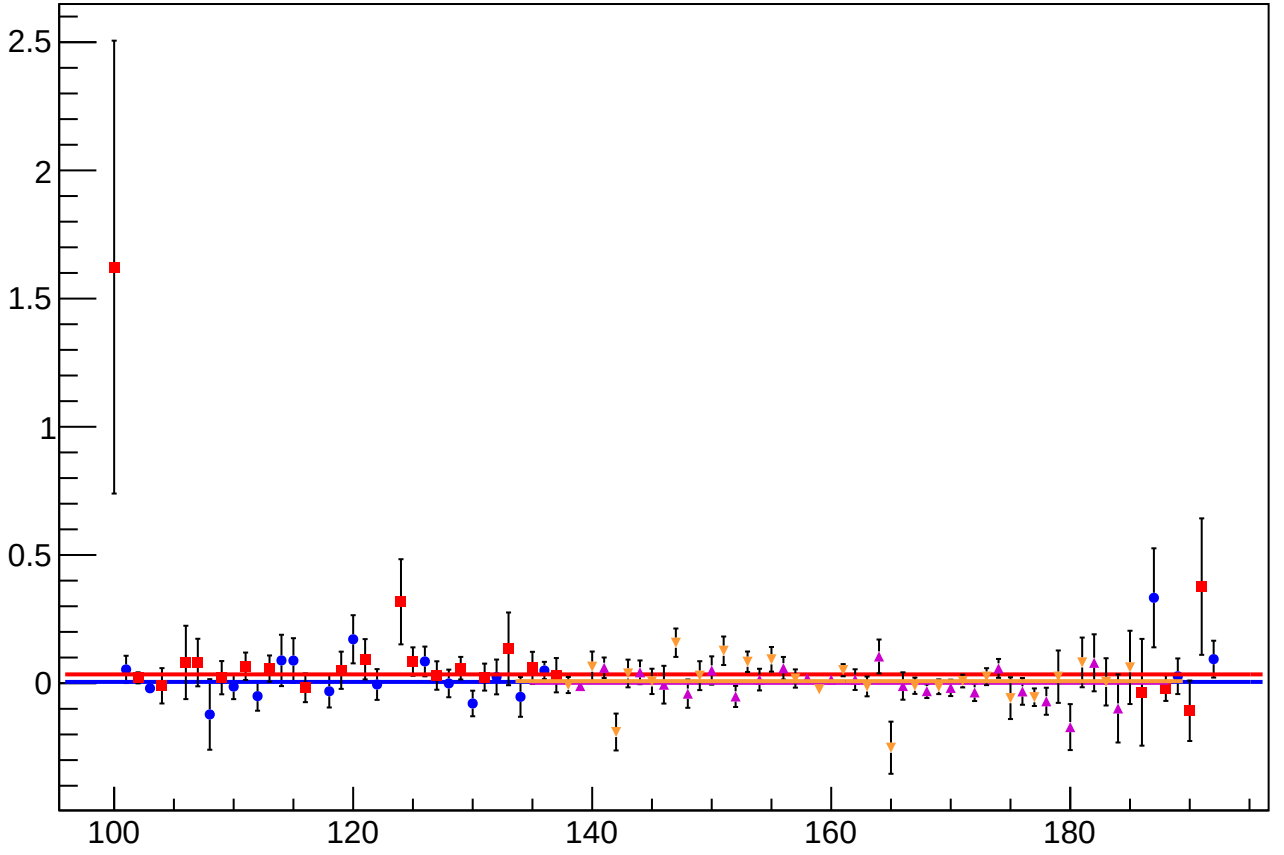
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8449061.5/43

All: 0.000+/-0.000 χ^2/NDF: 15995342.5/89

- sign 0.000+/-0.000 χ^2/NDF: 7457633.7/45

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



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

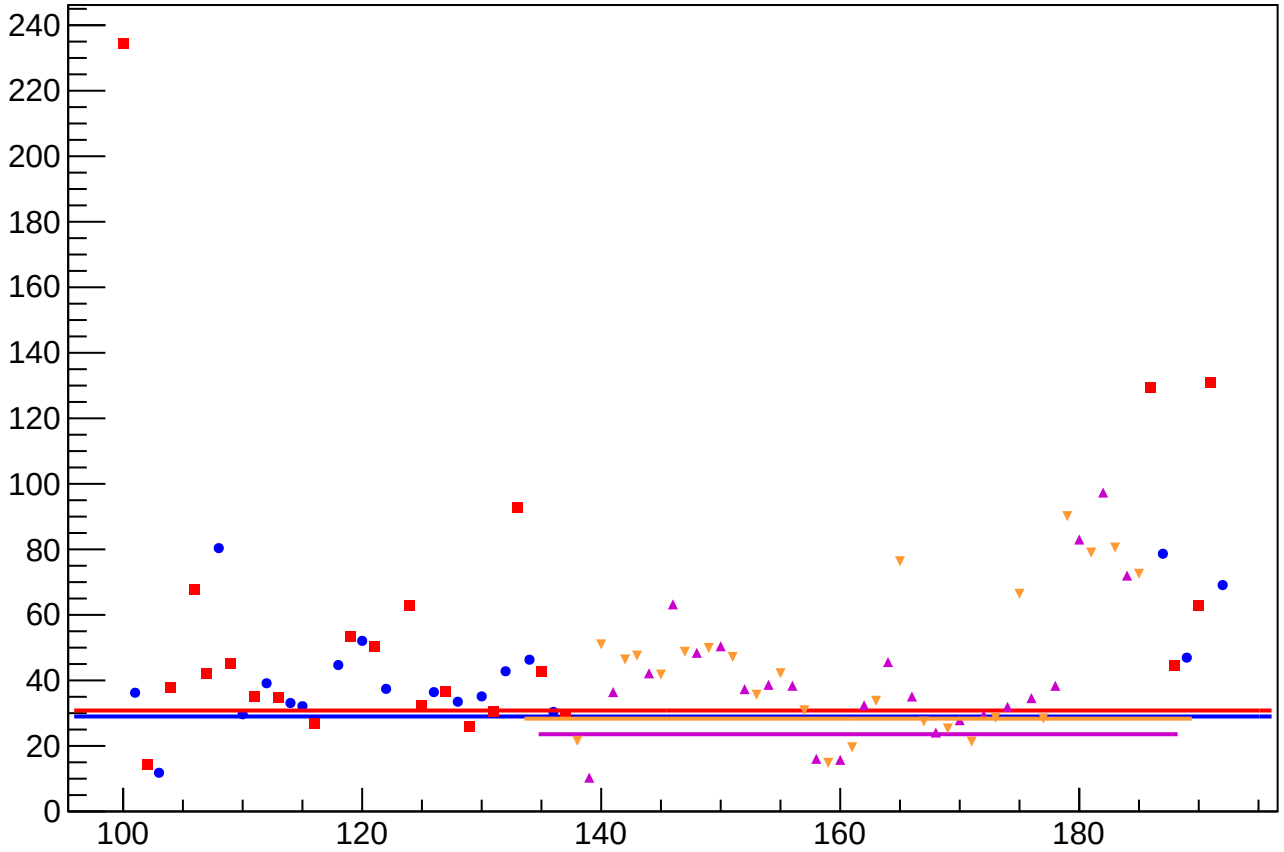
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 68.8/43

All: 0.008+/-0.004 χ^2/NDF: 115.1/89

- sign 0.009+/-0.006 χ^2/NDF: 46.3/45

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



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

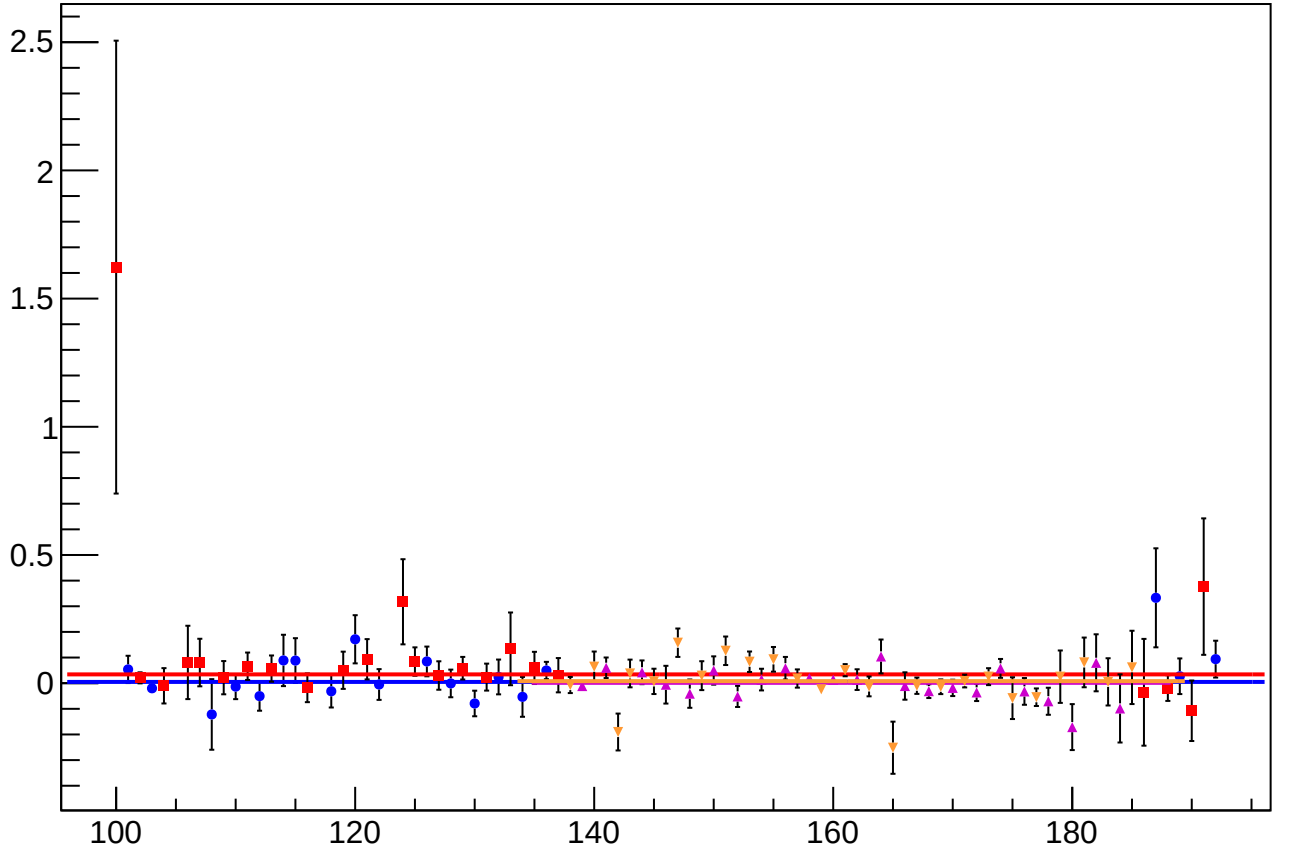
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

\+ sign 28.520+/-0.004 χ^2/NDF: 10145966.3/43

All: 26.802+/-0.003 χ^2/NDF: 22753941.3/89

\- sign 25.301+/-0.004 χ^2/NDF: 12334026.5/45

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



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

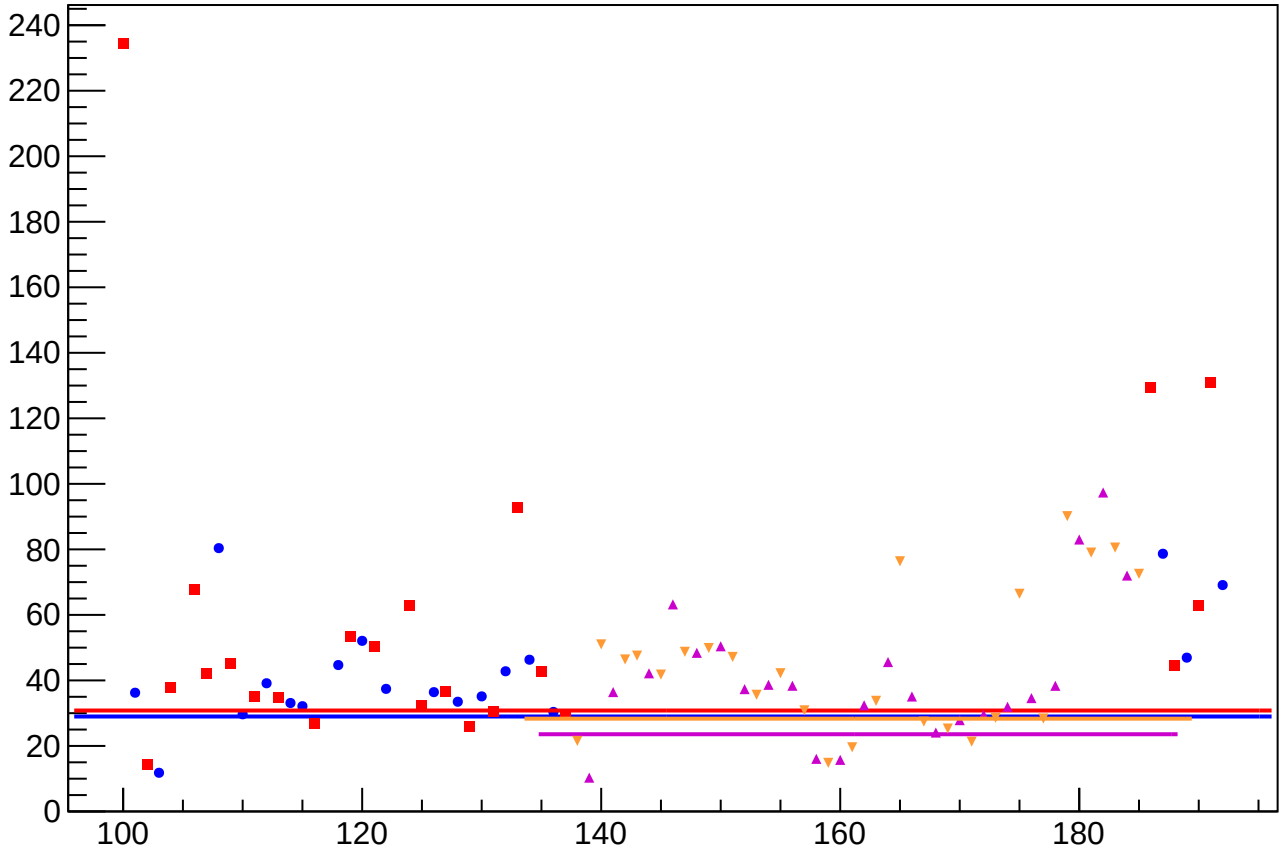
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 68.8/43

All: 0.008+/-0.004 χ^2/NDF: 115.1/89

- sign 0.009+/-0.006 χ^2/NDF: 46.3/45

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.986+/-0.008 χ^2/NDF: 3353148.5/18

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

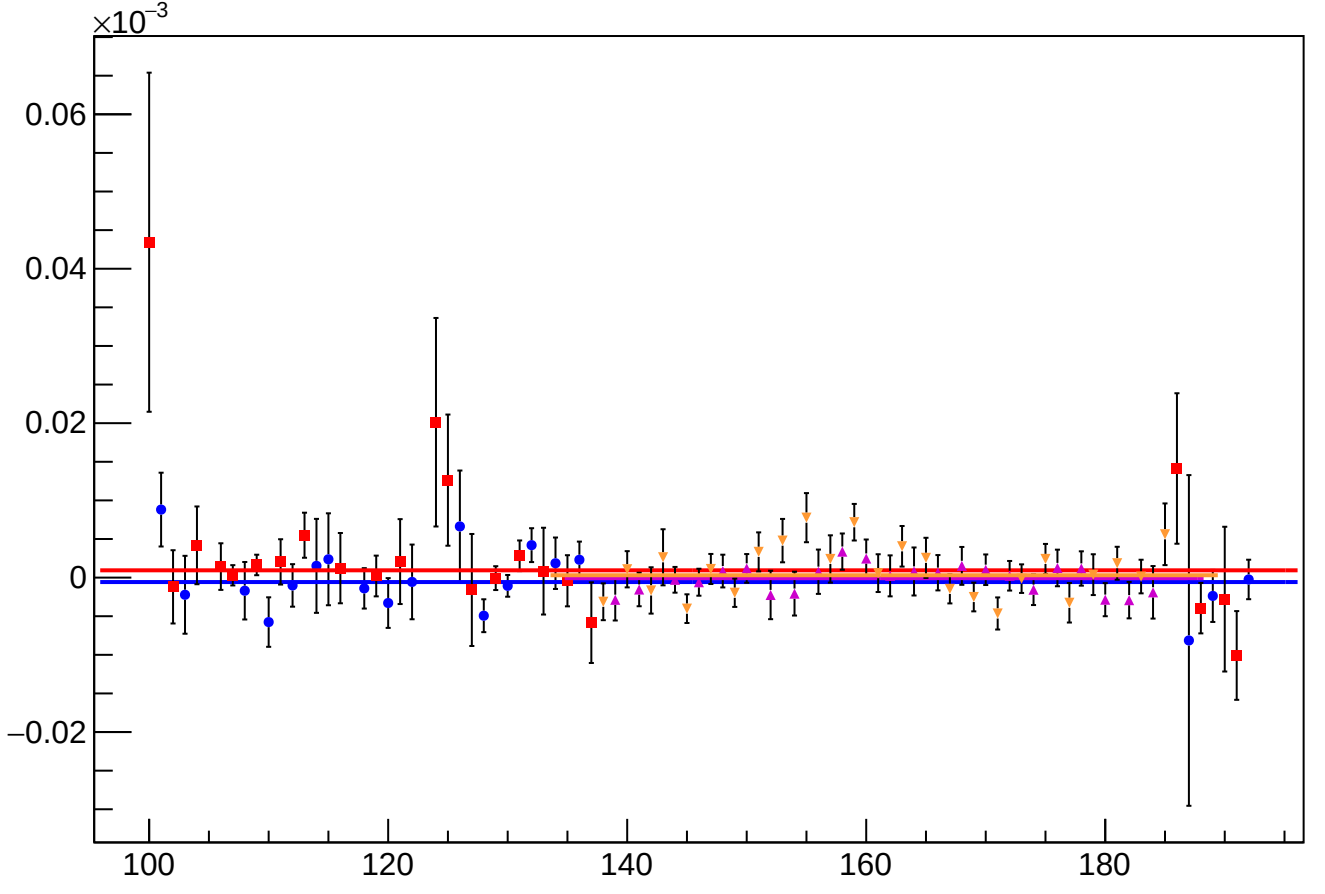
Right Out: 30.814+/-0.009 χ^2/NDF: 3529654.3/22

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 28.520+/-0.004 χ^2/NDF: 10145966.3/43

All: 26.802+/-0.003 χ^2/NDF: 22753941.3/89

- sign 25.301+/-0.004 χ^2/NDF: 12334026.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

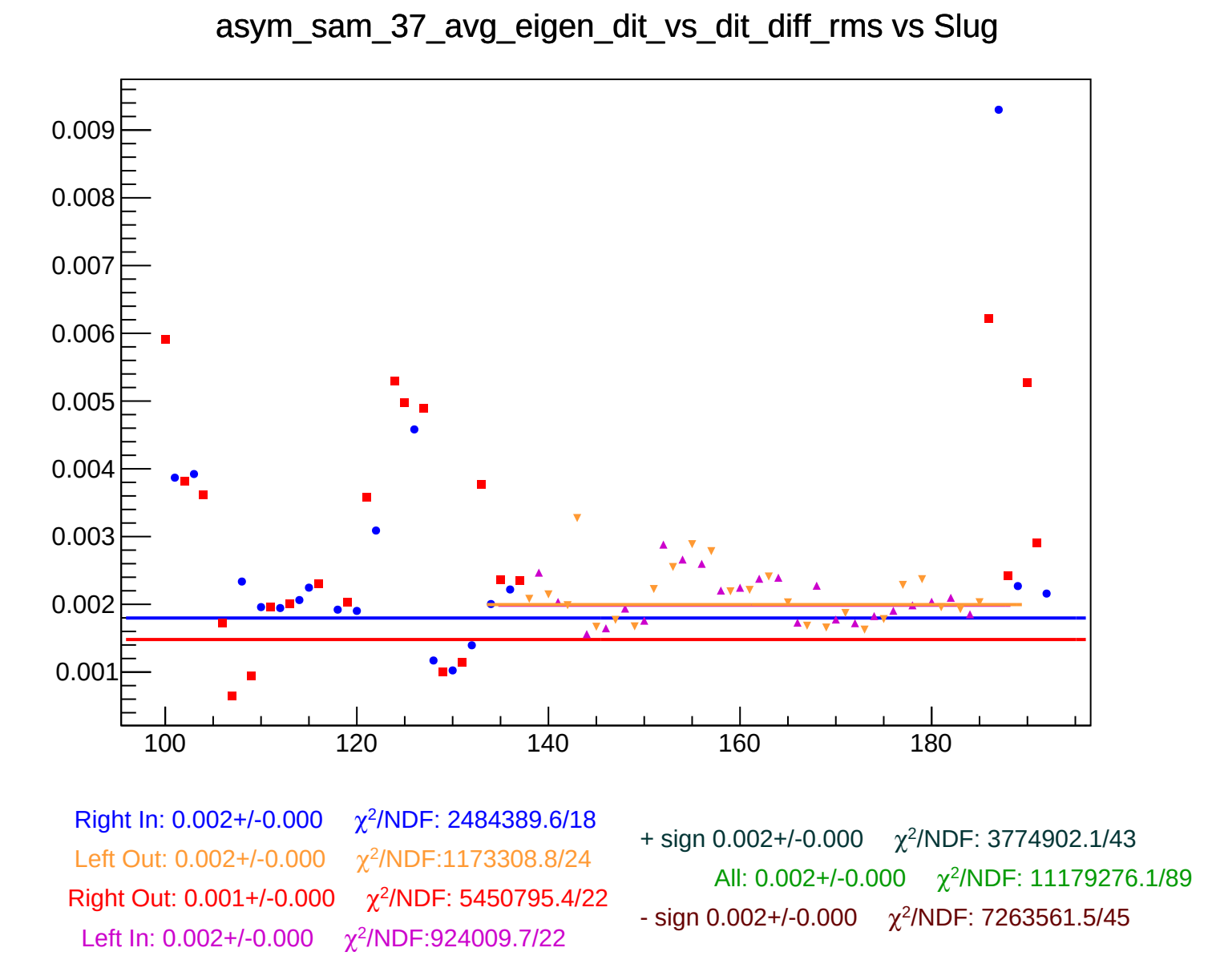
Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/22

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

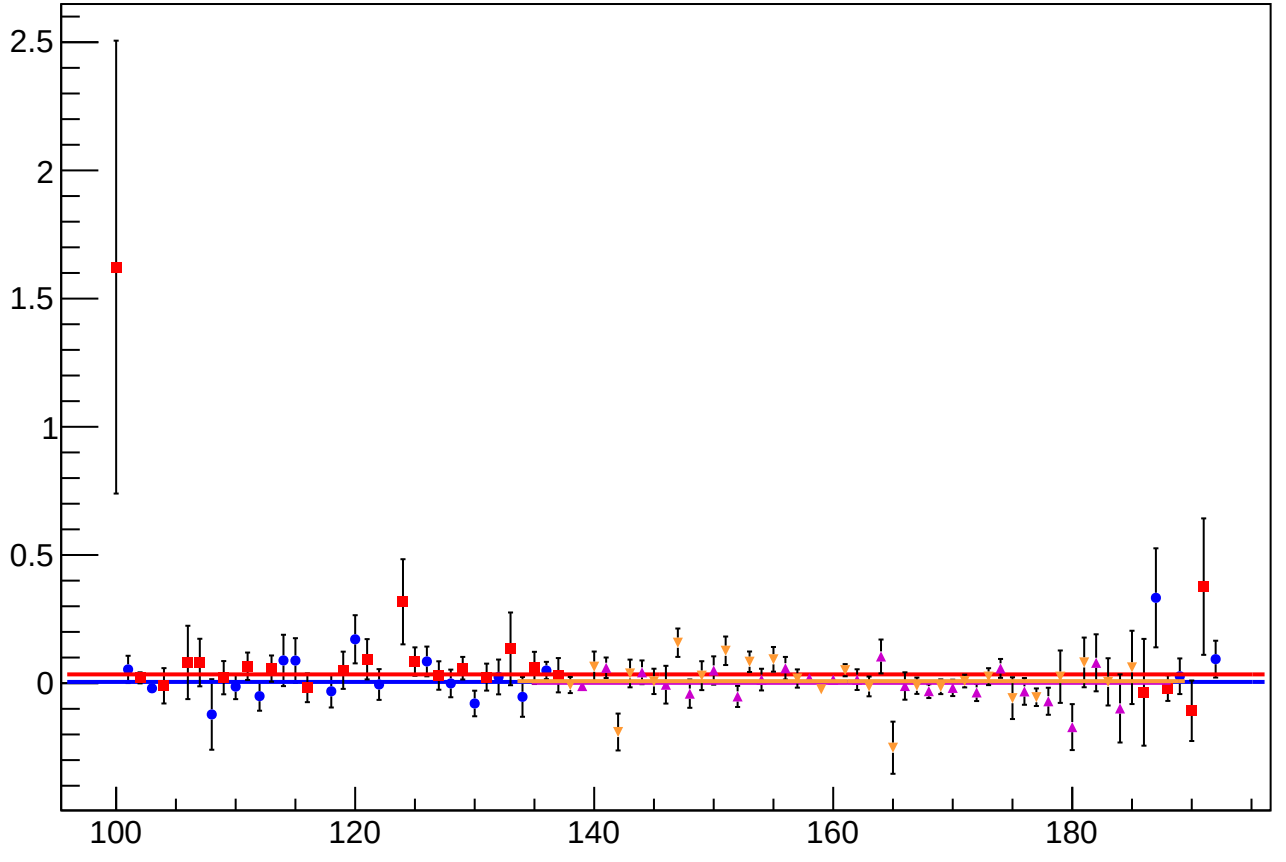
+ sign 0.000+/-0.000 χ^2/NDF: 67.2/43

All: 0.000+/-0.000 χ^2/NDF: 104.1/89

- sign 0.000+/-0.000 χ^2/NDF: 36.6/45


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
Right In: 0.002+/-0.000 χ²/NDF: 2484389.6/18
Left Out: 0.002+/-0.000 χ²/NDF:1173308.8/24
Right Out: 0.001+/-0.000 χ²/NDF: 5450795.4/22
Left In: 0.002+/-0.000 χ²/NDF:924009.7/22
+ sign 0.002+/-0.000 χ²/NDF: 3774902.1/43
All: 0.002+/-0.000 χ²/NDF: 11179276.1/89
- sign 0.002+/-0.000 χ²/NDF: 7263561.5/45

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



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

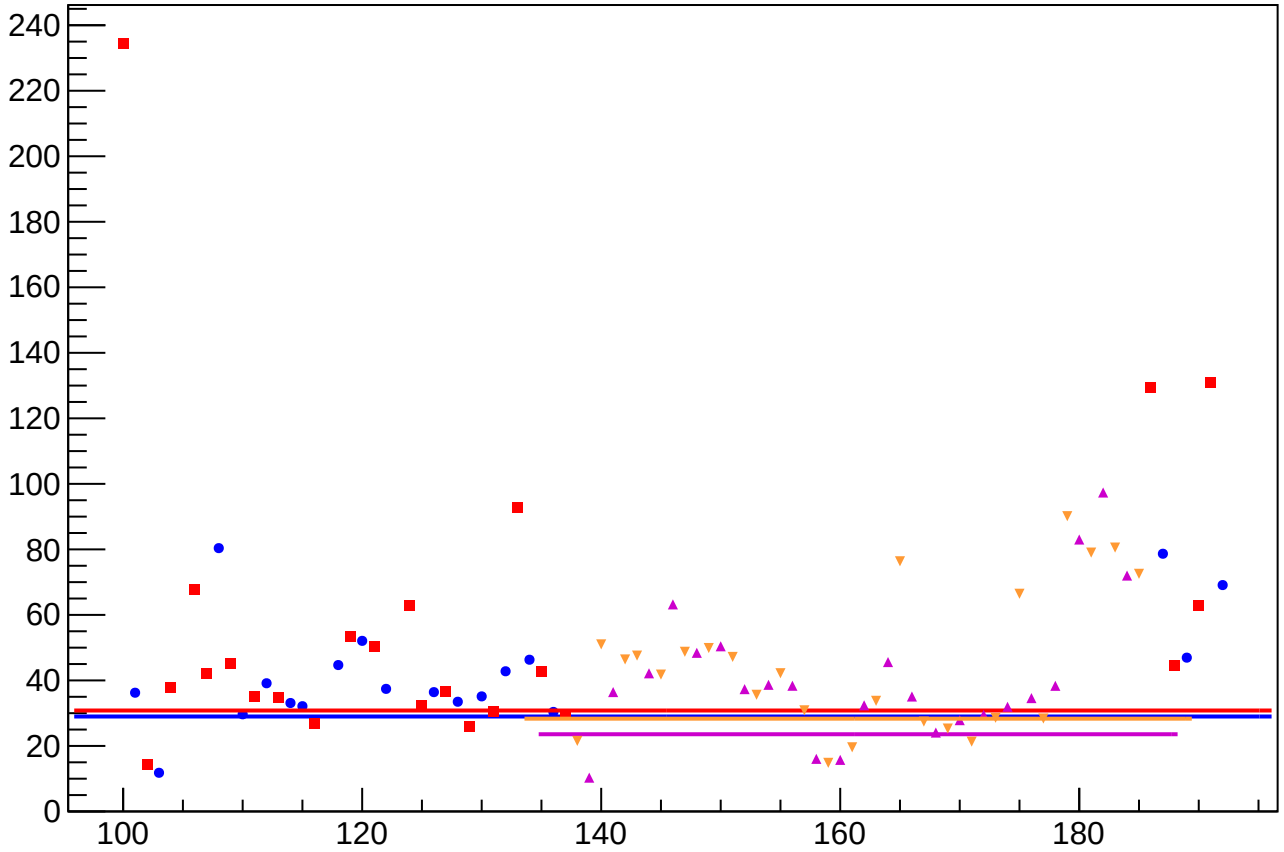
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 68.8/43

All: 0.008+/-0.004 χ^2/NDF: 115.1/89

- sign 0.009+/-0.006 χ^2/NDF: 46.3/45

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



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

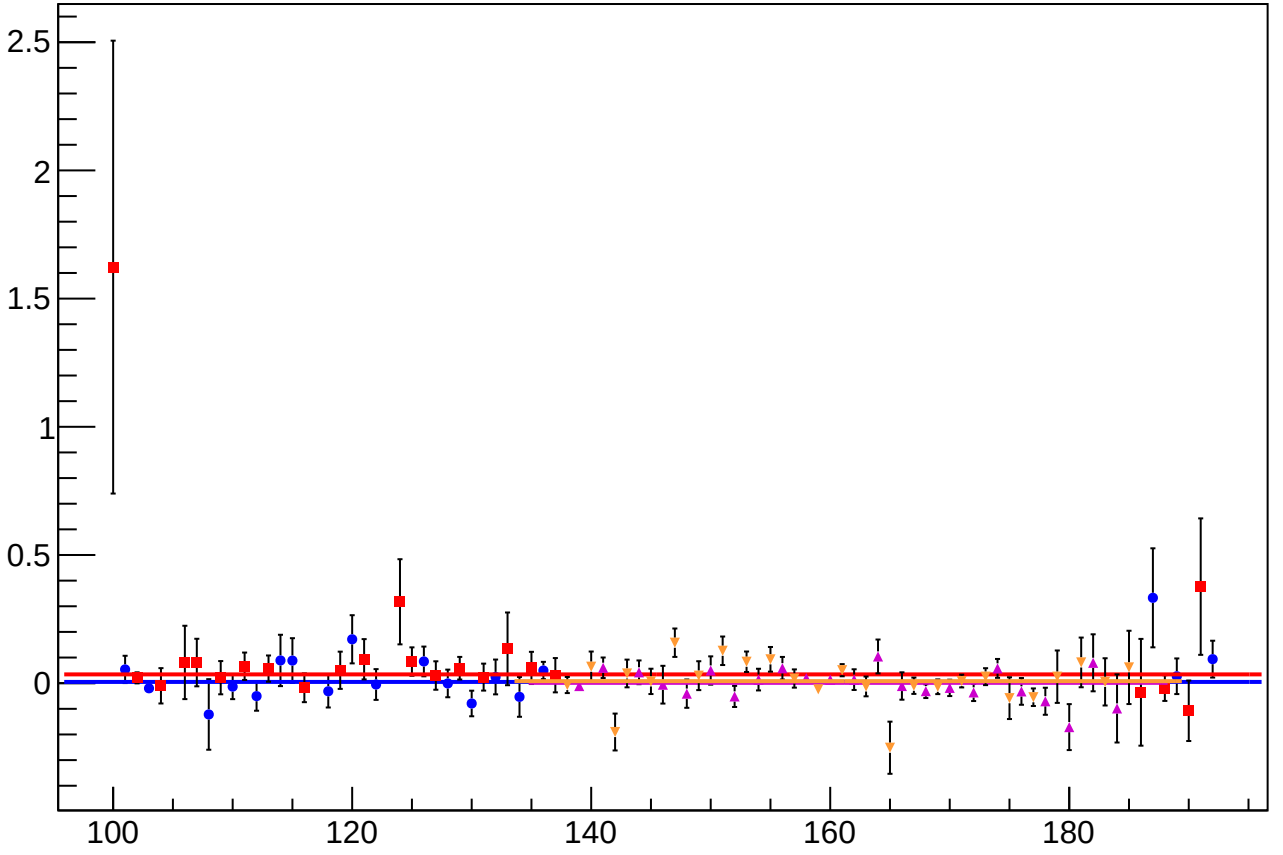
Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.520+/-0.004 χ^2/NDF: 10146801.8/43

All: 26.801+/-0.003 χ^2/NDF: 22755617.8/89

- sign 25.301+/-0.004 χ^2/NDF: 12334867.8/45

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.012 χ^2/NDF: 21.1/18

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

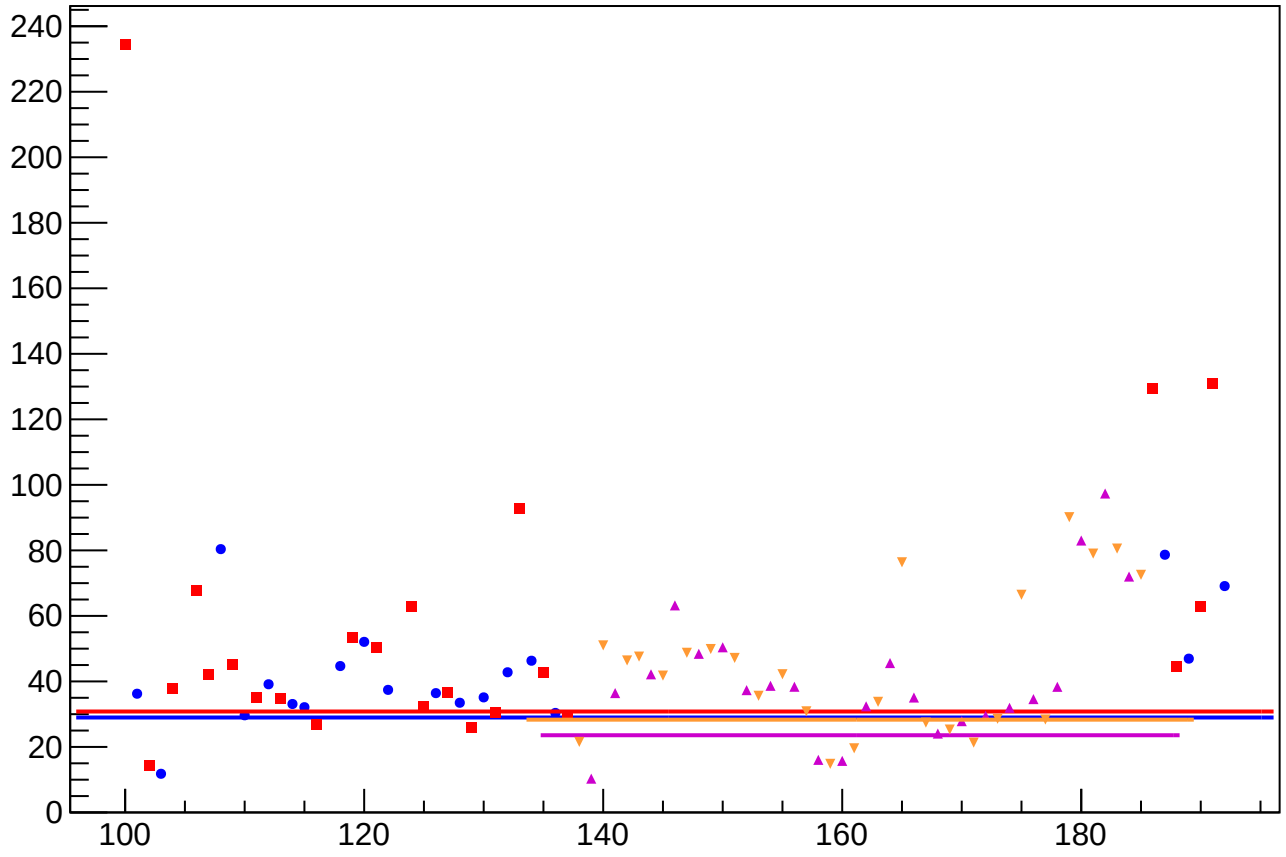
Right Out: 0.034+/-0.012 χ^2/NDF: 15.5/22

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 68.8/43

All: 0.008+/-0.004 χ^2/NDF: 115.1/89

- sign 0.009+/-0.006 χ^2/NDF: 46.3/45



Right In: 28.985+/-0.008 χ^2/NDF: 3353529.8/18

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

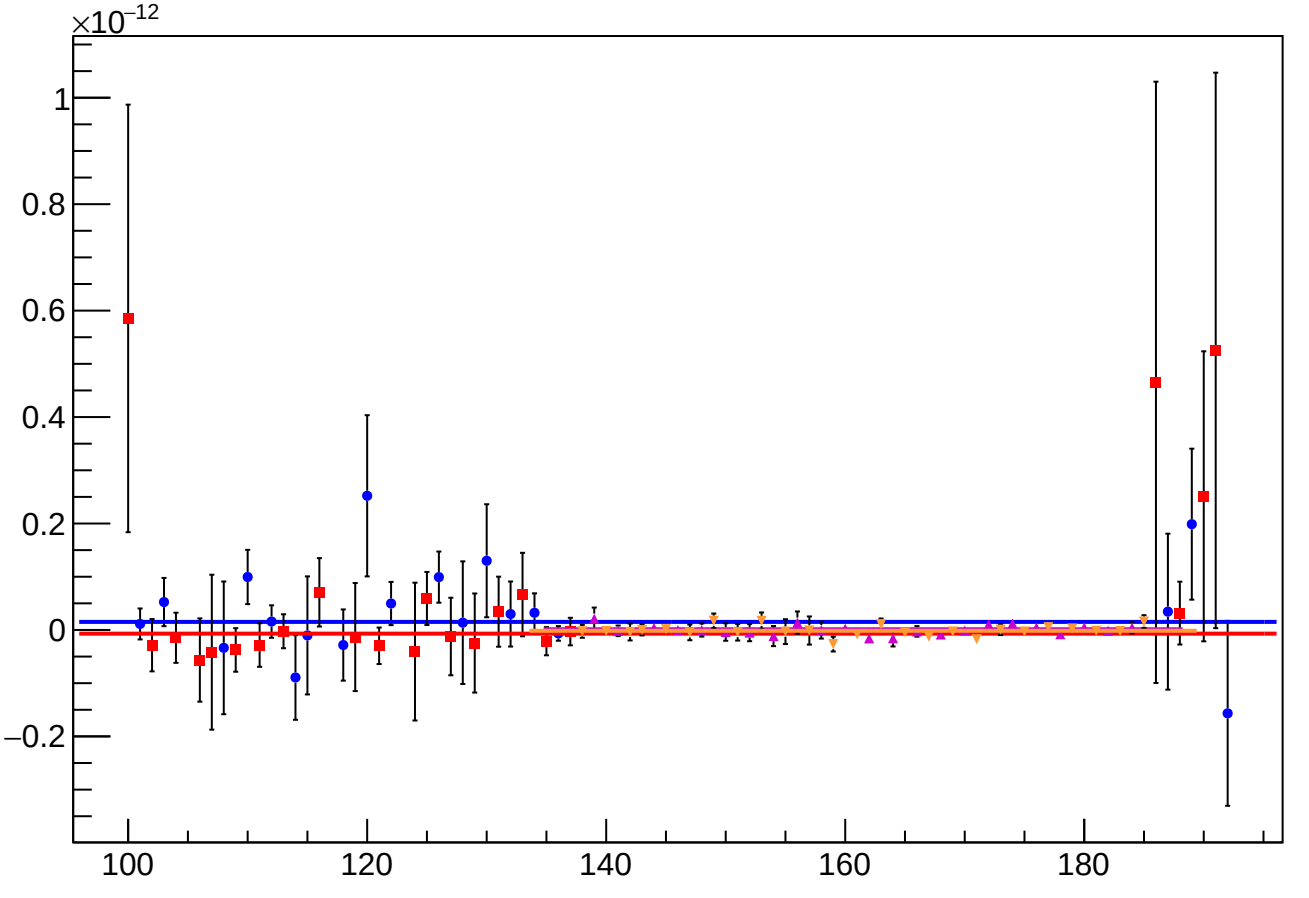
Right Out: 30.816+/-0.009 χ^2/NDF: 3528907.4/22

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.520+/-0.004 χ^2/NDF: 10146801.8/43

All: 26.801+/-0.003 χ^2/NDF: 22755617.8/89

- sign 25.301+/-0.004 χ^2/NDF: 12334867.8/45



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

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

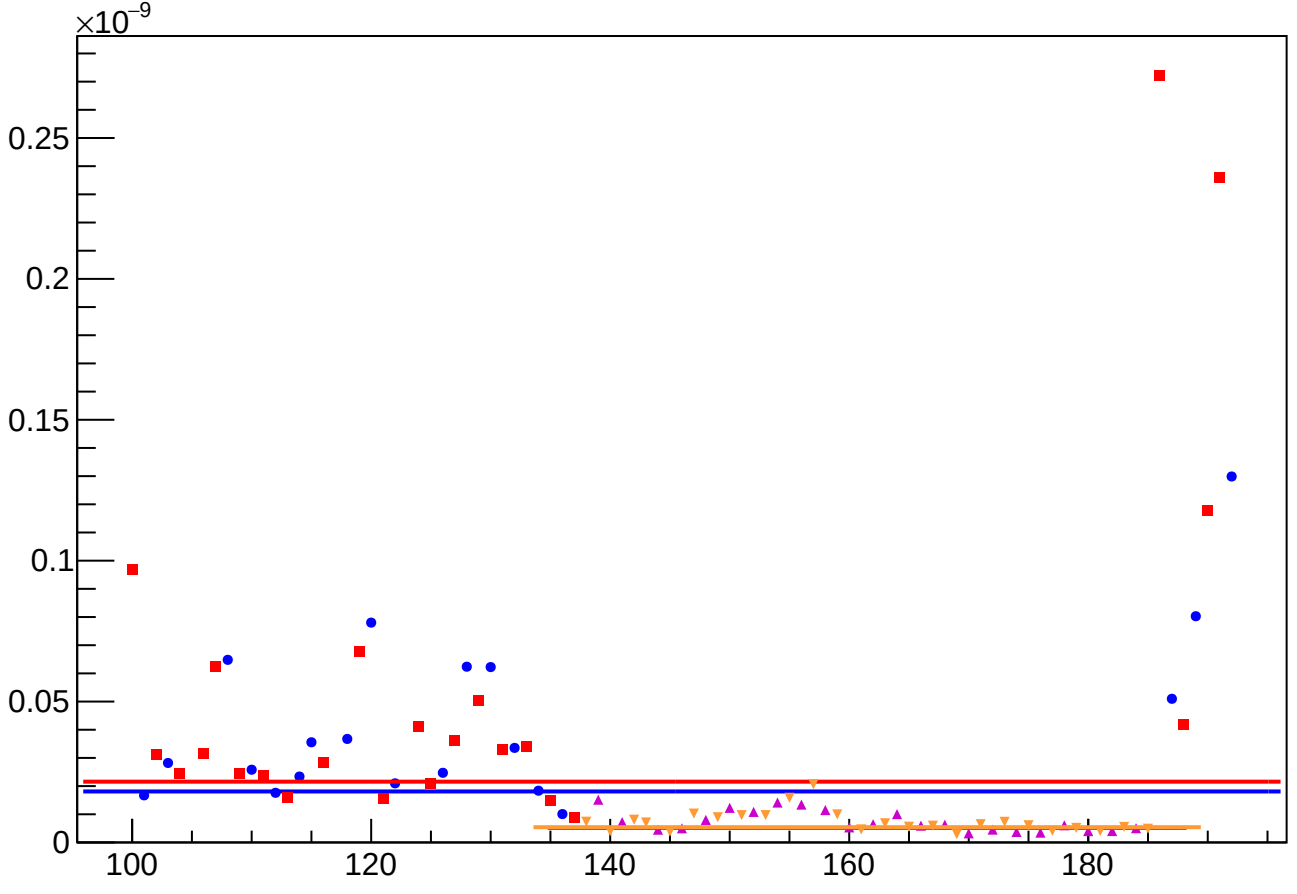
Right Out: -0.000+/-0.000 χ^2/NDF: 12.1/22

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.2/43

All: 0.000+/-0.000 χ^2/NDF: 68.5/89

- sign 0.000+/-0.000 χ^2/NDF: 28.6/45



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

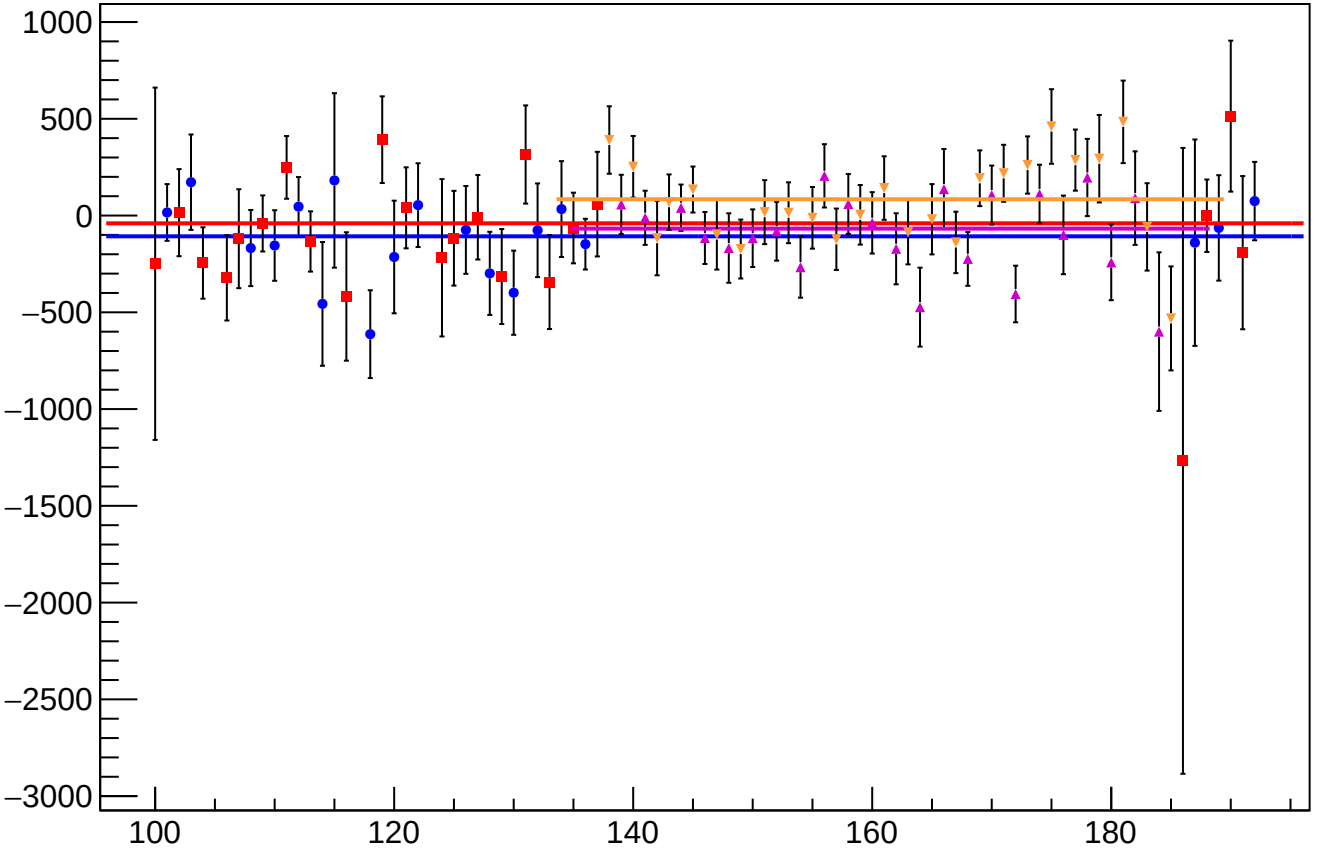
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10357204.2/43

All: 0.000+/-0.000 χ^2/NDF: 21564808.2/89

- sign 0.000+/-0.000 χ^2/NDF: 11186582.6/45

reg_asym_sam_48_avg_mean vs Slug



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

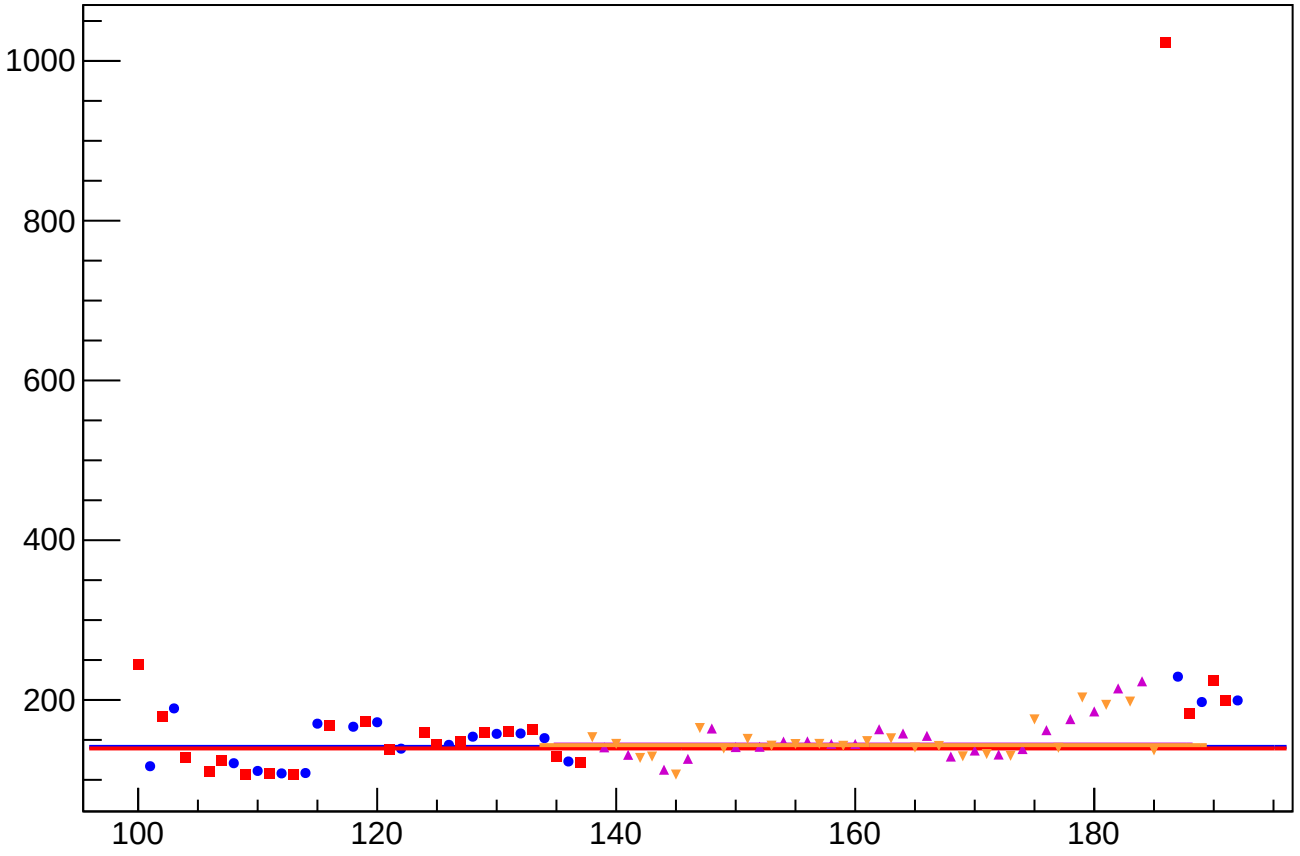
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 23.664+/-27.312 χ^2/NDF: 58.8/43

All: -16.704+/-19.455 χ^2/NDF: 109.8/89

- sign -58.285+/-27.719 χ^2/NDF: 46.6/45

reg_asym_sam_48_avg_rms vs Slug



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

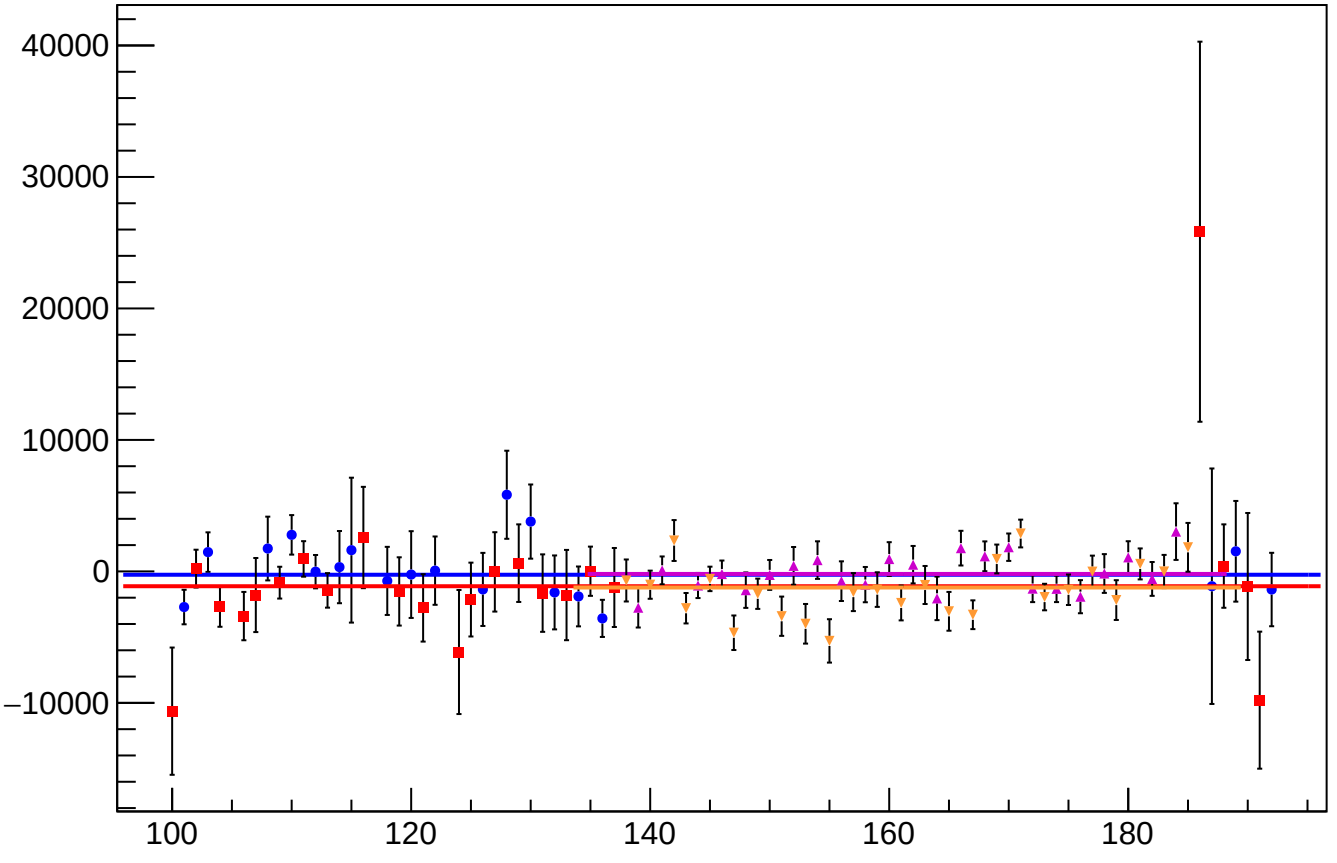
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

\+ sign 142.751+/-0.019 χ^2/NDF: 1503024.6/43

All: 142.636+/-0.014 χ^2/NDF: 3594117.0/89

\- sign 142.516+/-0.020 χ^2/NDF: 2091019.4/45

asym_sam_48_avg_reg_correction_mean vs Slug



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

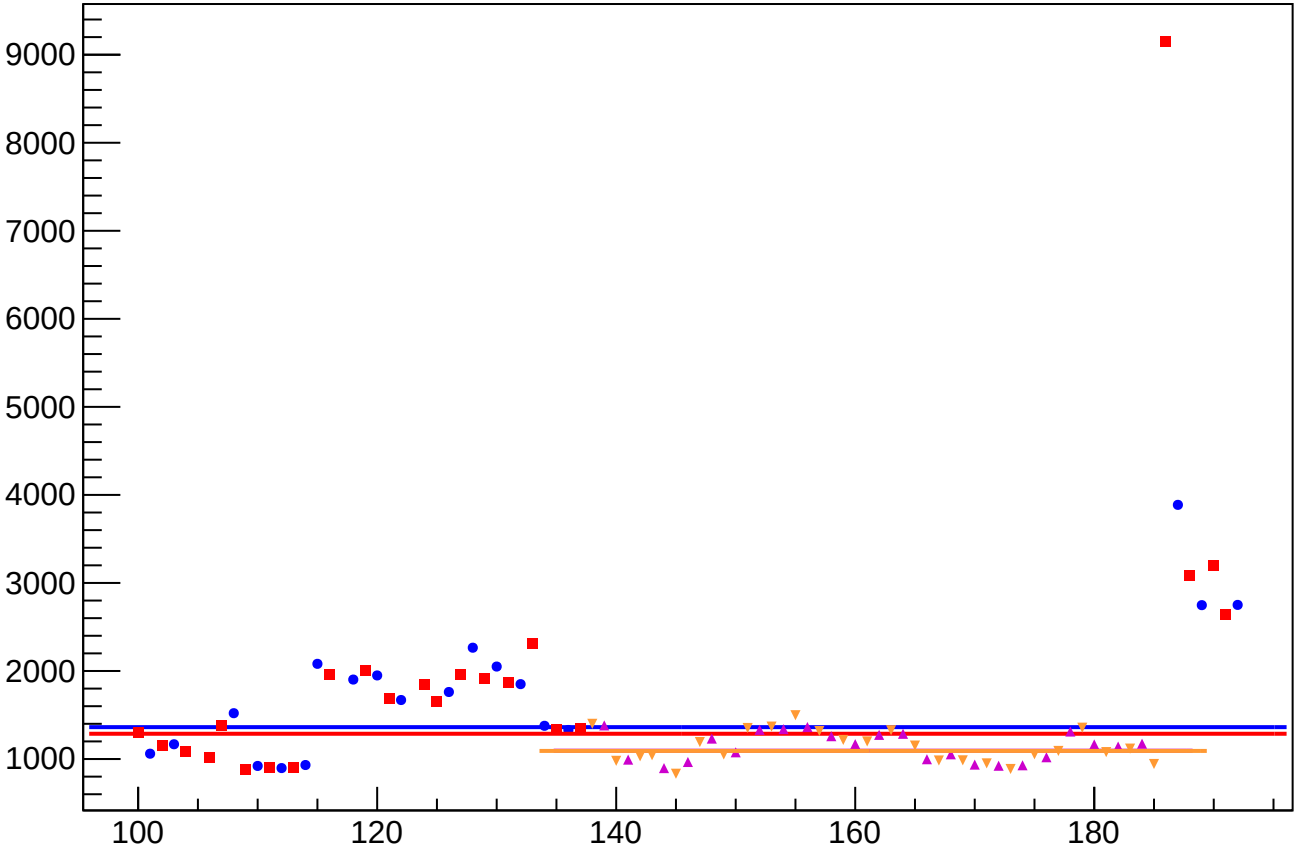
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1021.563+/-223.816 χ^2/NDF: 84.4/43

All: -722.535+/-158.891 χ^2/NDF: 134.3/89

- sign -418.708+/-225.605 χ^2/NDF: 46.3/45

asym_sam_48_avg_reg_correction_rms vs Slug



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

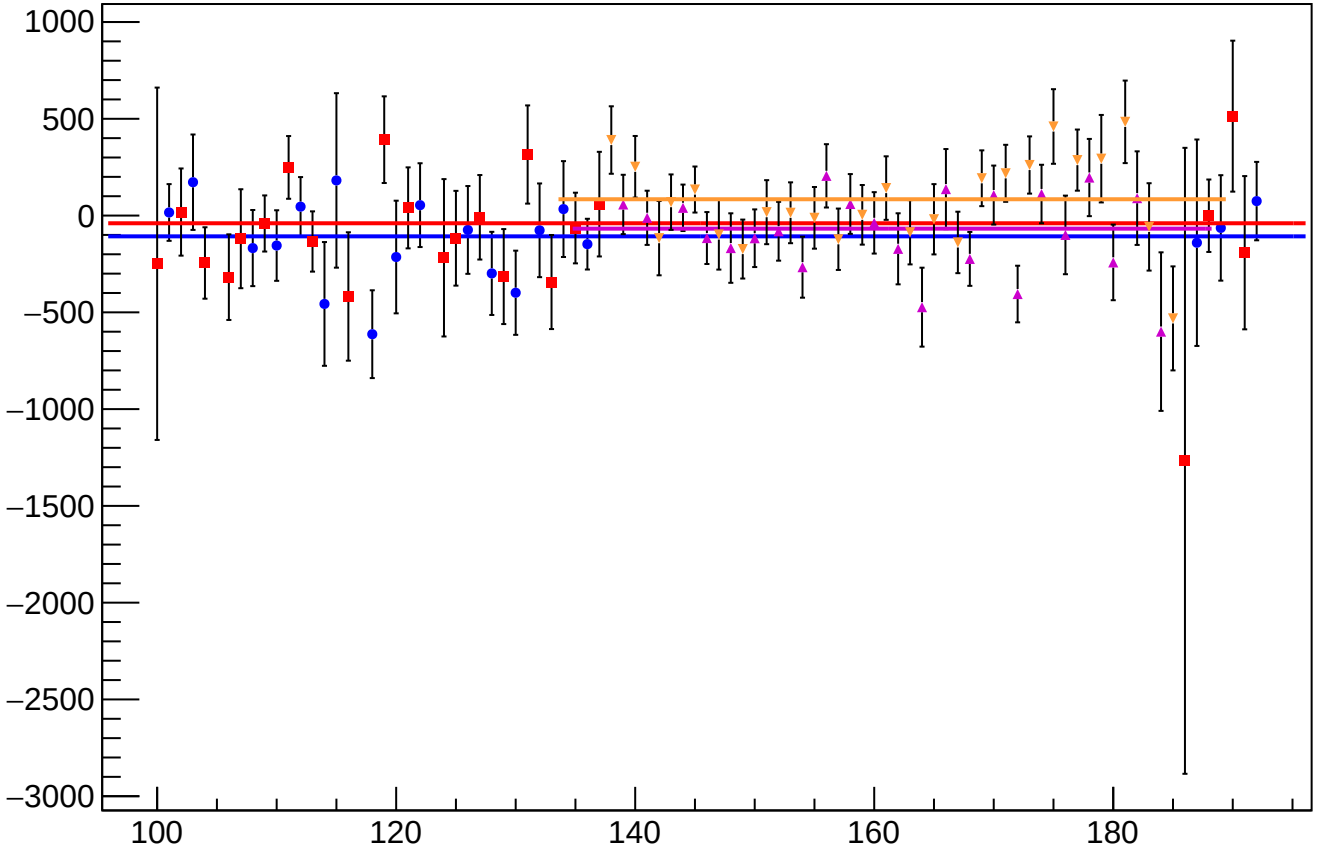
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1148.630+/-0.158 χ^2/NDF: 3507626.3/43

All: 1144.754+/-0.112 χ^2/NDF: 7540126.3/89

- sign 1140.816+/-0.160 χ^2/NDF: 4031291.0/45

cor_asym_sam_48_avg_mean vs Slug



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

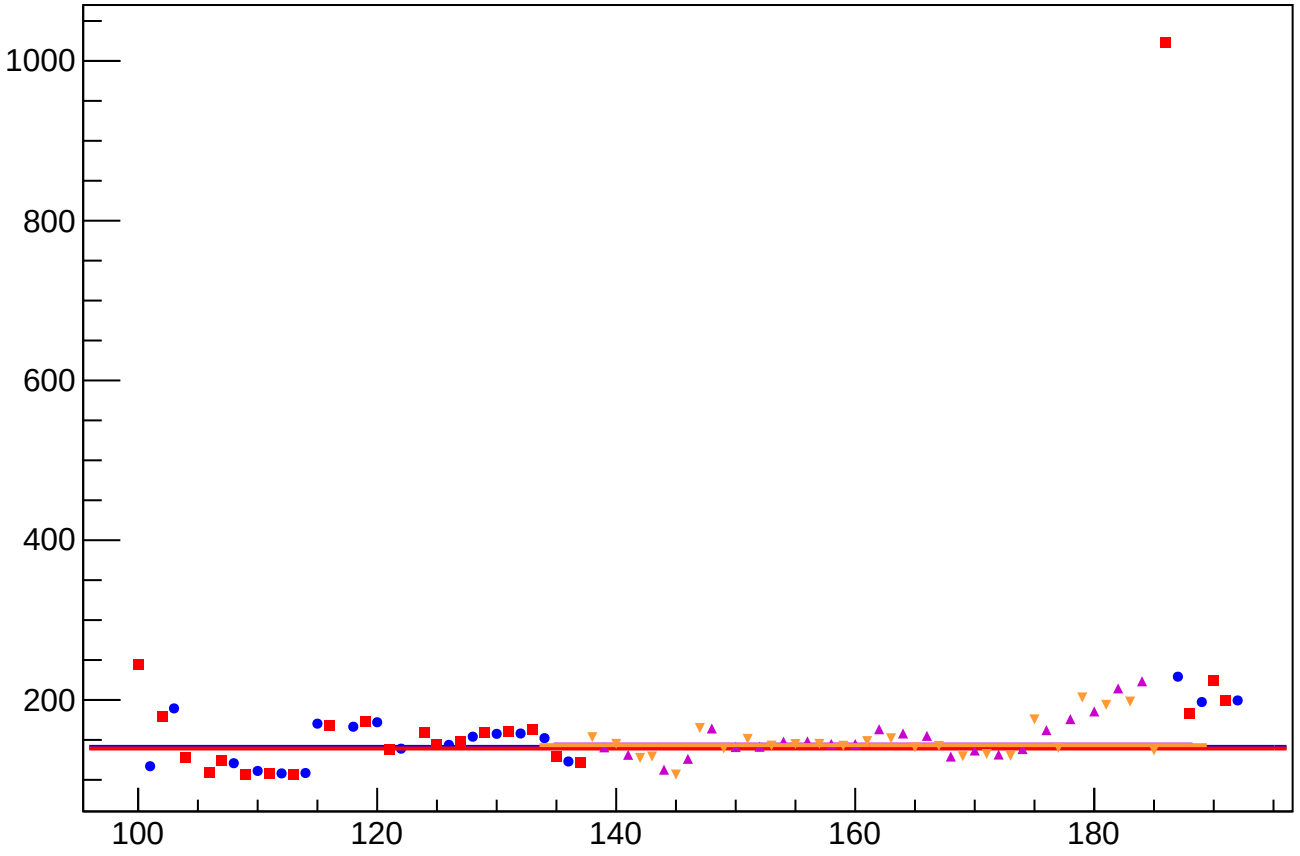
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 23.671+/-27.312 χ^2/NDF: 58.8/43

All: -16.633+/-19.455 χ^2/NDF: 109.7/89

- sign -58.152+/-27.721 χ^2/NDF: 46.5/45

cor_asym_sam_48_avg_rms vs Slug



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

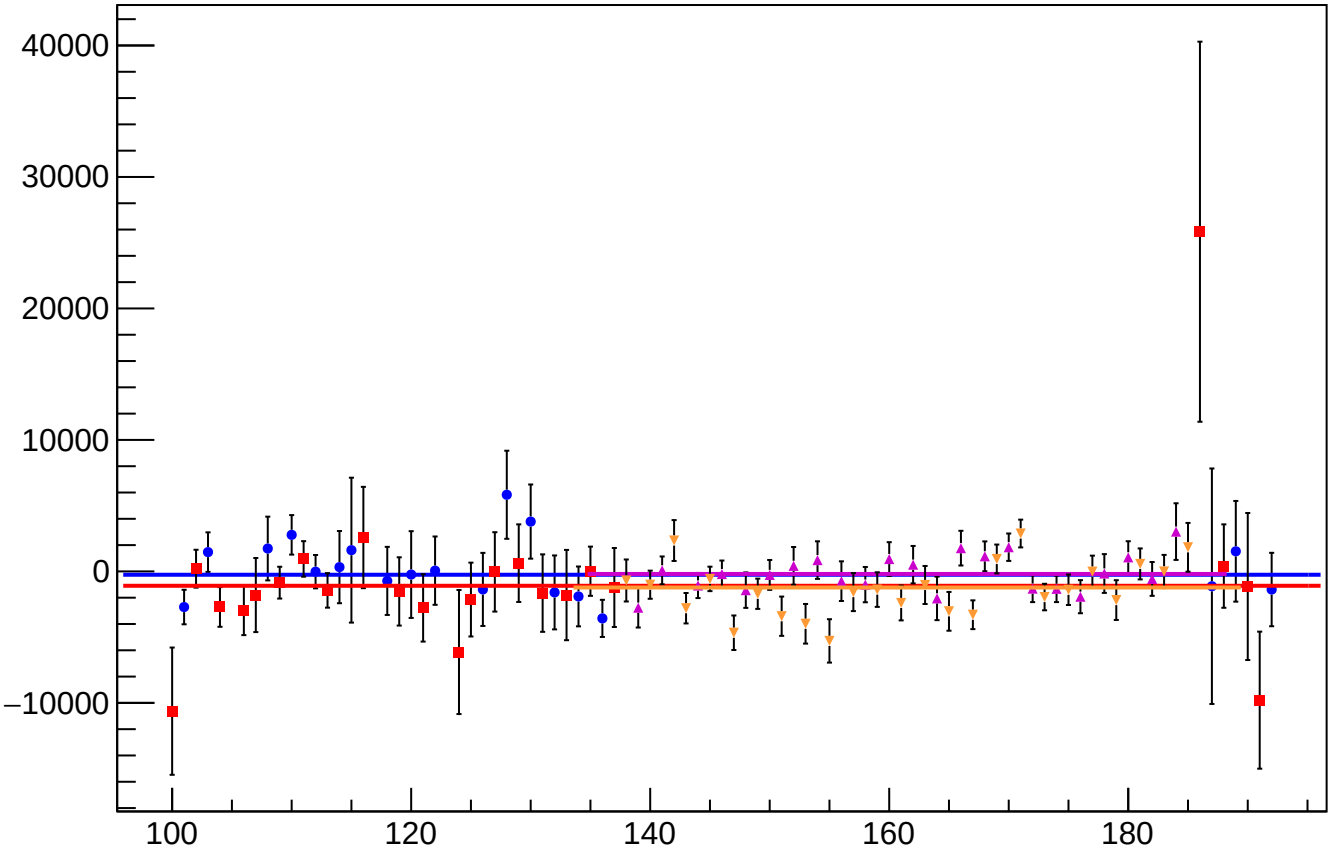
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

\+ sign 142.751+/-0.019 χ^2/NDF: 1503027.4/43

All: 142.625+/-0.014 χ^2/NDF: 3598347.2/89

\- sign 142.495+/-0.020 χ^2/NDF: 2095233.1/45

asym_sam_48_avg_cor_correction_mean vs Slug



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

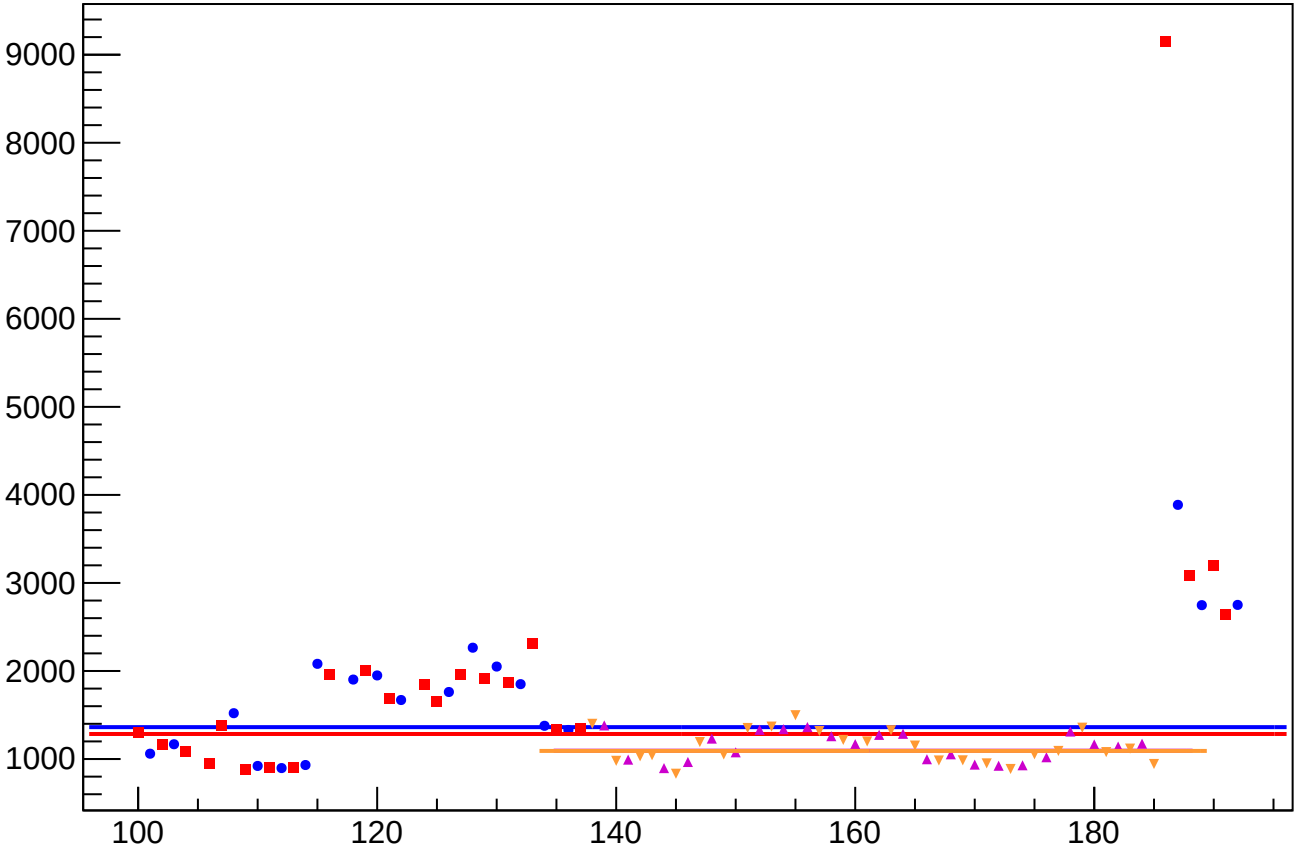
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1021.566+/-223.817 χ^2/NDF: 84.4/43

All: -718.307+/-158.927 χ^2/NDF: 133.5/89

- sign -409.900+/-225.708 χ^2/NDF: 45.5/45

asym_sam_48_avg_cor_correction_rms vs Slug



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

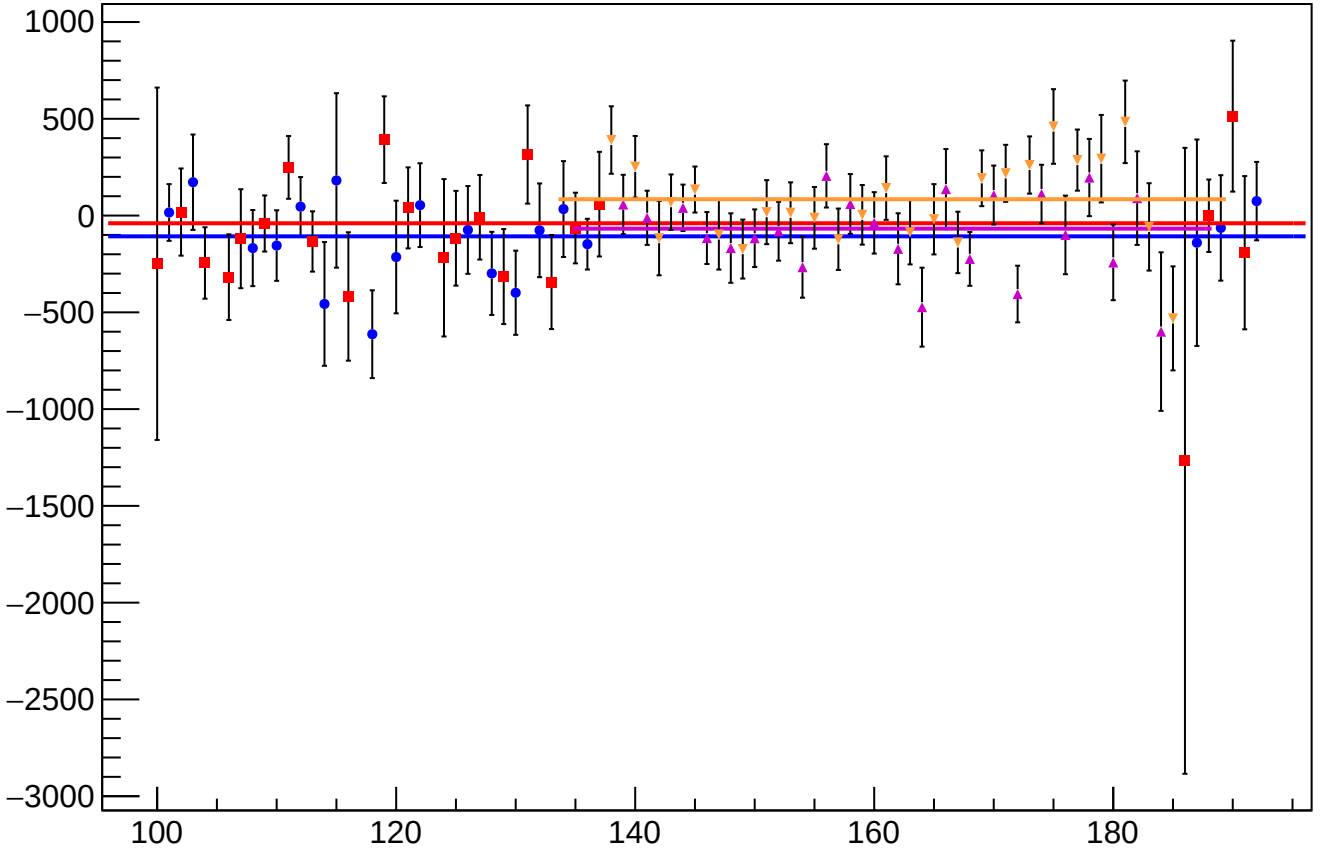
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1148.632+/-0.158 χ^2/NDF: 3507628.4/43

All: 1144.384+/-0.112 χ^2/NDF: 7550574.4/89

- sign 1140.064+/-0.160 χ^2/NDF: 4041492.8/45

eigen_cor_asym_sam_48_avg_mean vs Slug



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

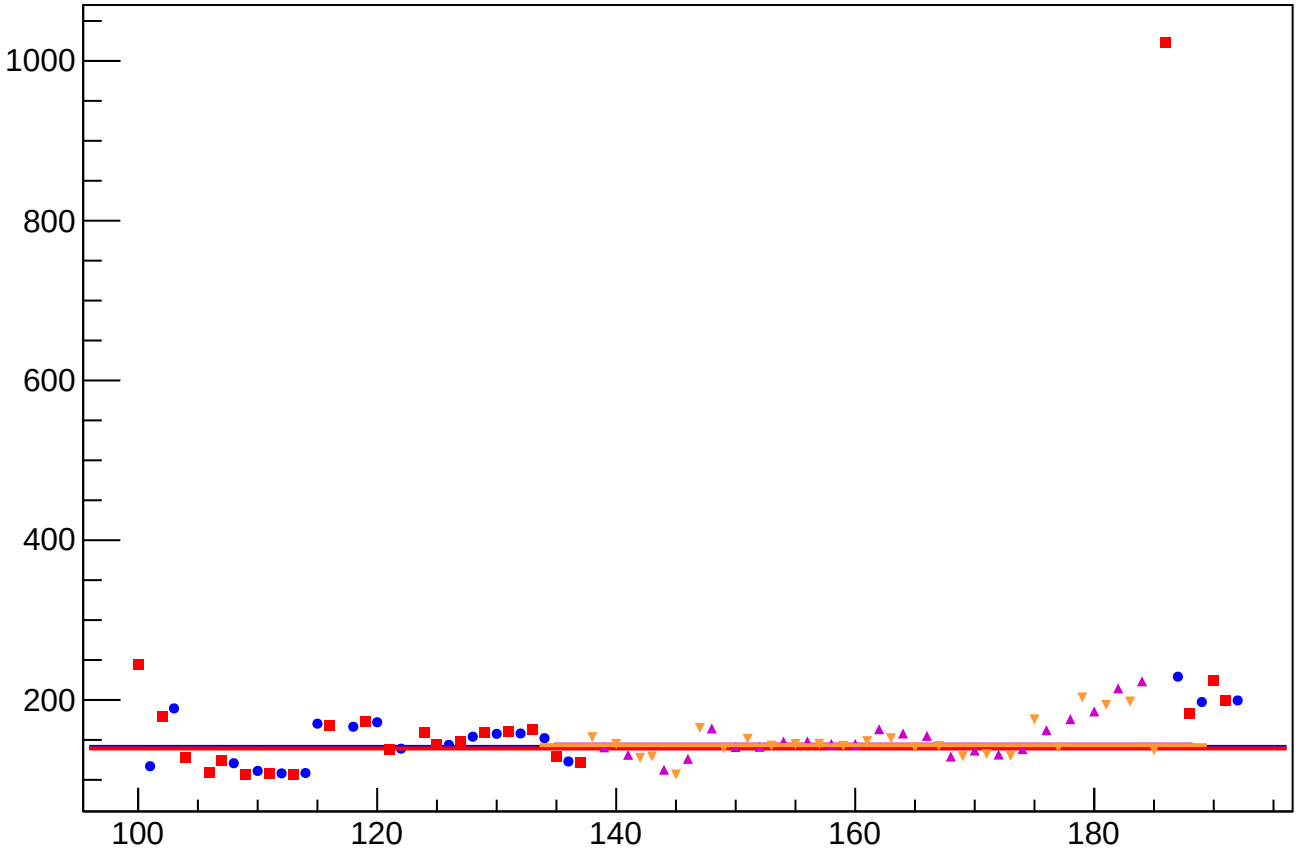
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 23.671+/-27.312 χ^2/NDF: 58.8/43

All: -16.633+/-19.455 χ^2/NDF: 109.7/89

- sign -58.152+/-27.721 χ^2/NDF: 46.5/45

eigen_cor_asym_sam_48_avg_rms vs Slug



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

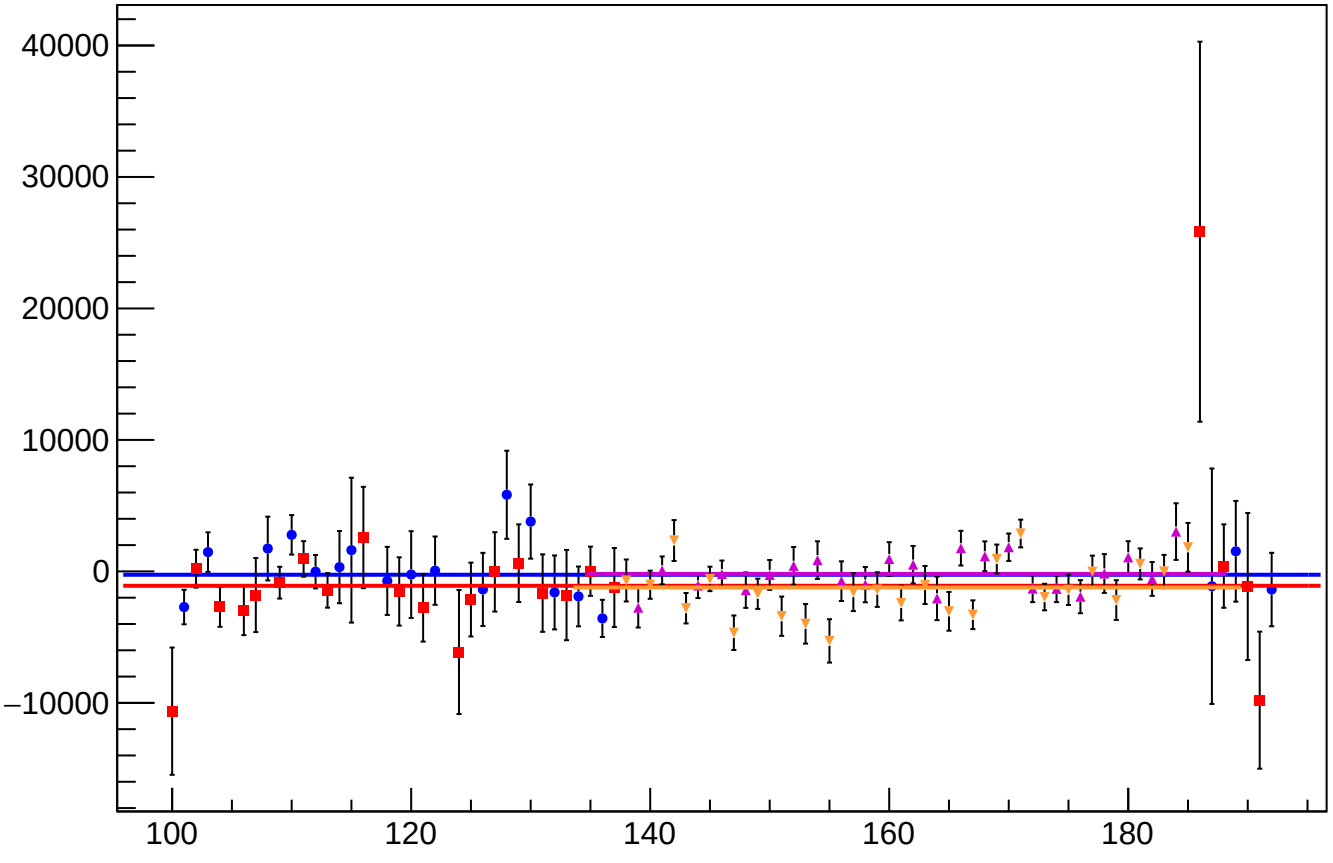
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 142.751+/-0.019 χ^2/NDF: 1503027.4/43

All: 142.625+/-0.014 χ^2/NDF: 3598347.2/89

- sign 142.495+/-0.020 χ^2/NDF: 2095233.1/45

asym_sam_48_avg_eigen_cor_correction_mean vs Slug



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

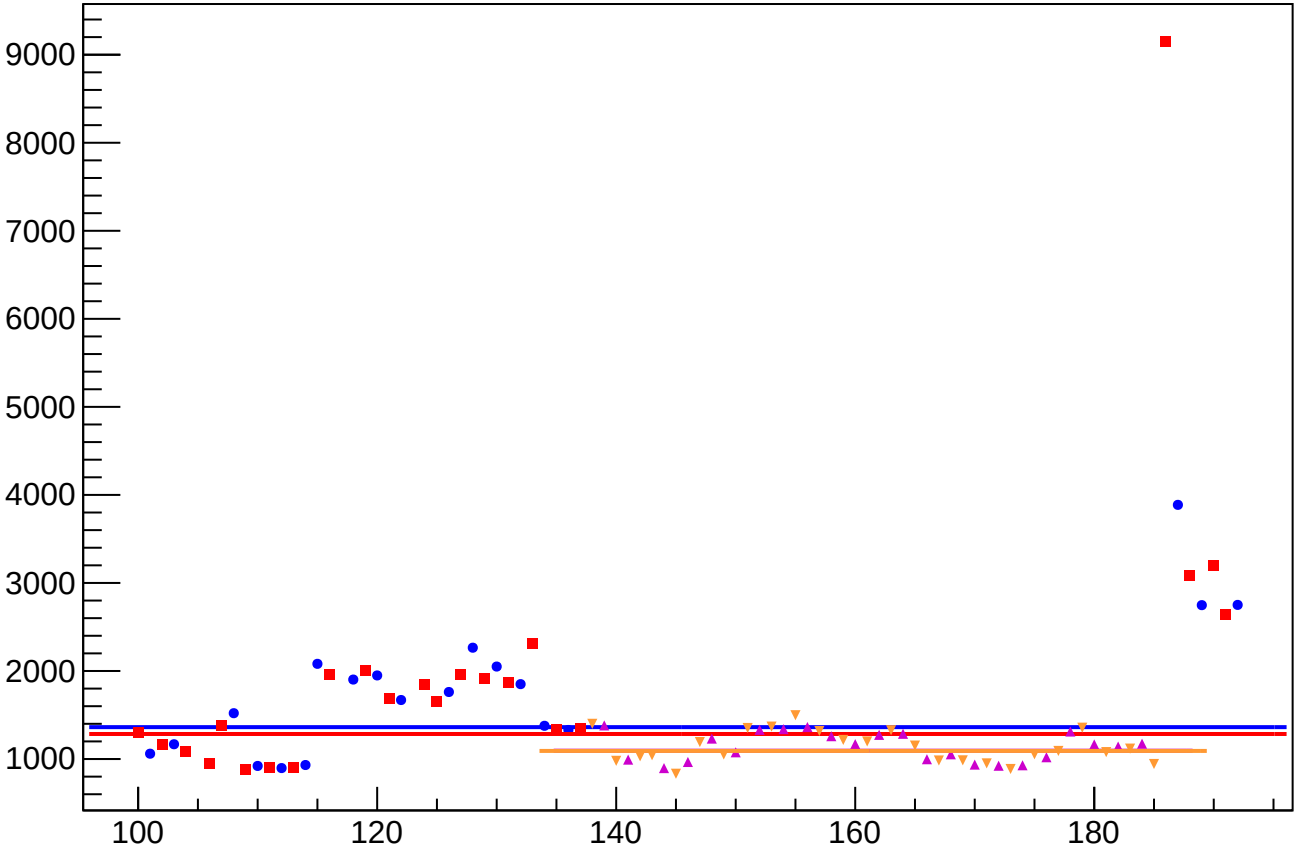
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1021.566+/-223.817 χ^2/NDF: 84.4/43

All: -718.307+/-158.927 χ^2/NDF: 133.5/89

- sign -409.900+/-225.708 χ^2/NDF: 45.5/45

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



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

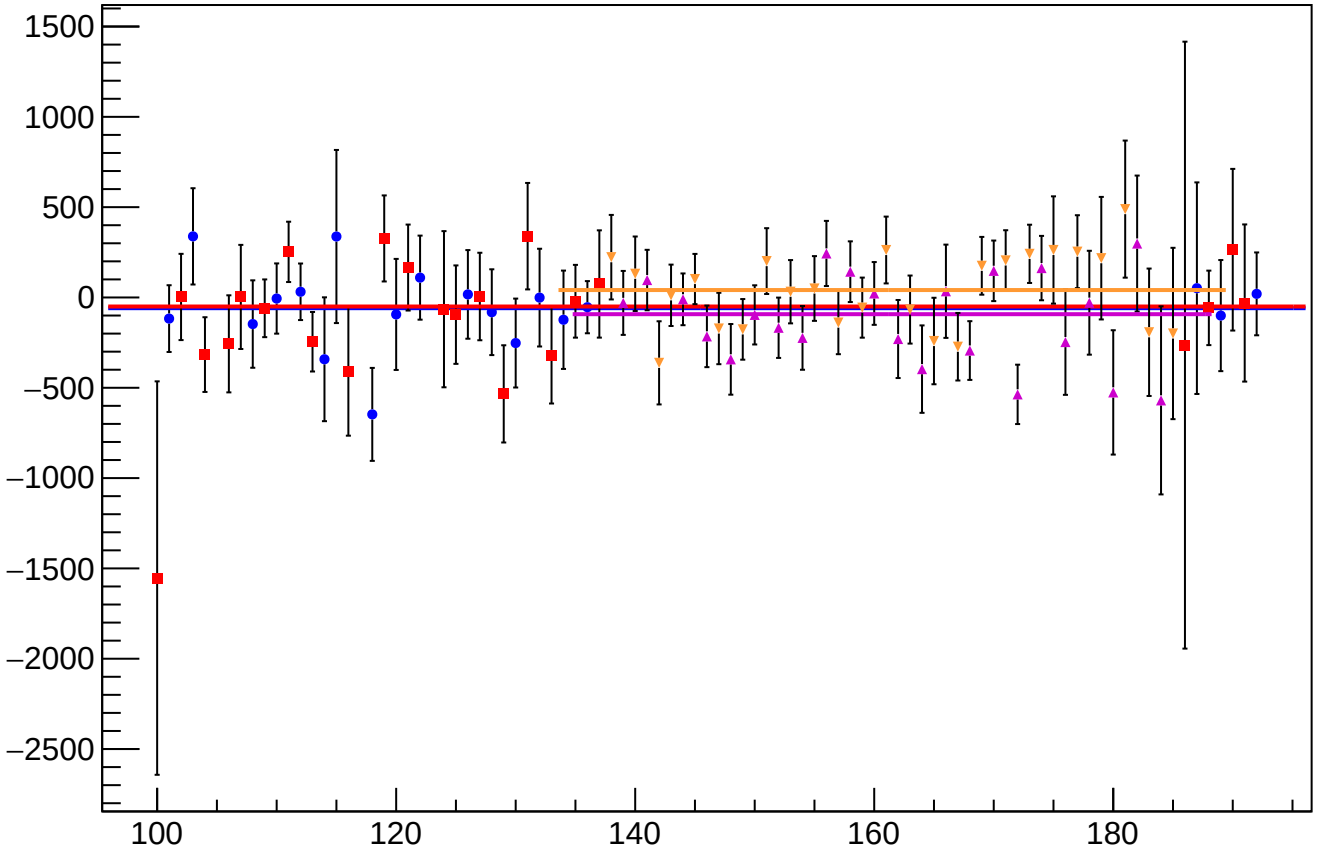
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1148.632+/-0.158 χ^2/NDF: 3507628.4/43

All: 1144.384+/-0.112 χ^2/NDF: 7550574.4/89

- sign 1140.064+/-0.160 χ^2/NDF: 4041492.8/45

dit_asym_sam_48_avg_mean vs Slug



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

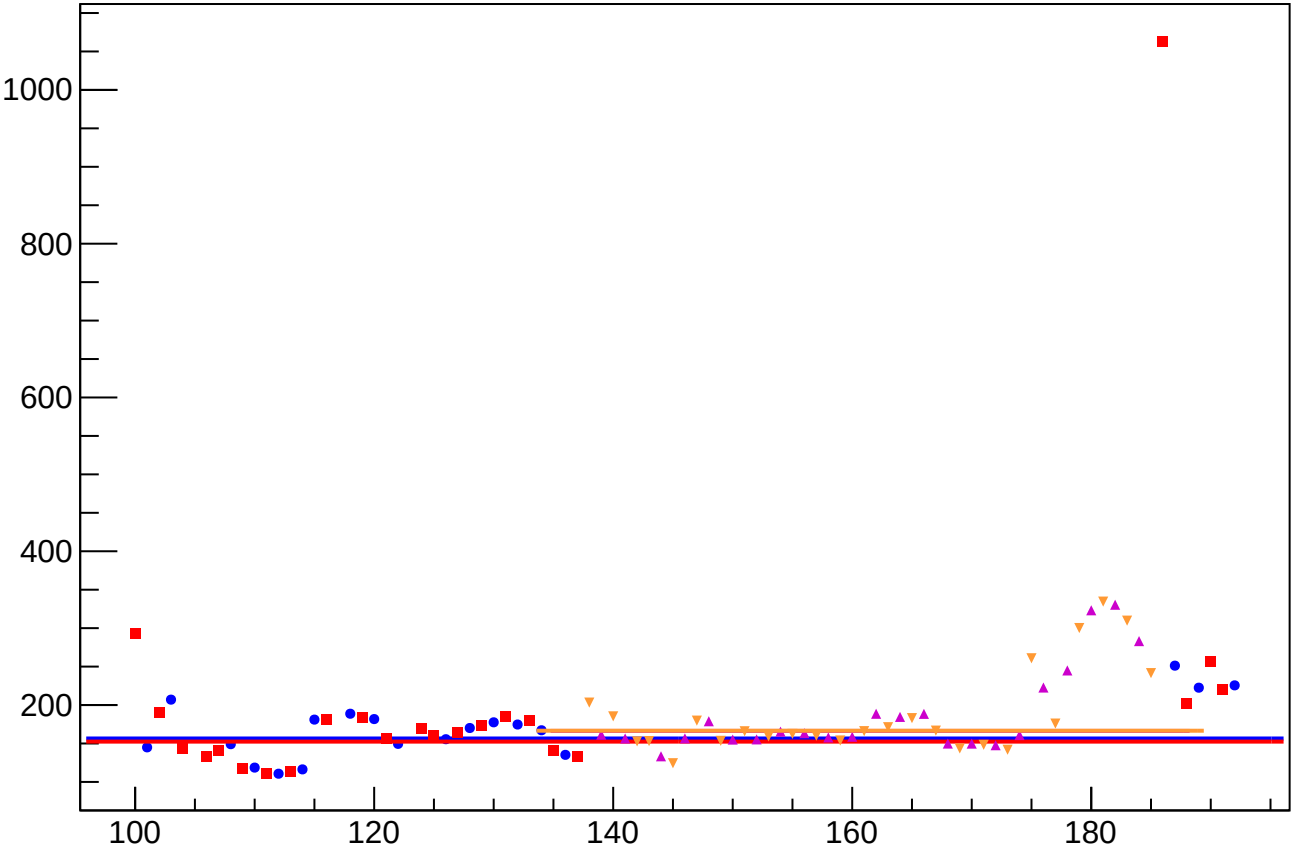
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 6.455+/-31.707 χ^2/NDF: 35.6/43

All: -34.988+/-22.460 χ^2/NDF: 88.9/89

- sign -76.726+/-31.819 χ^2/NDF: 49.9/45

dit_asym_sam_48_avg_rms vs Slug



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

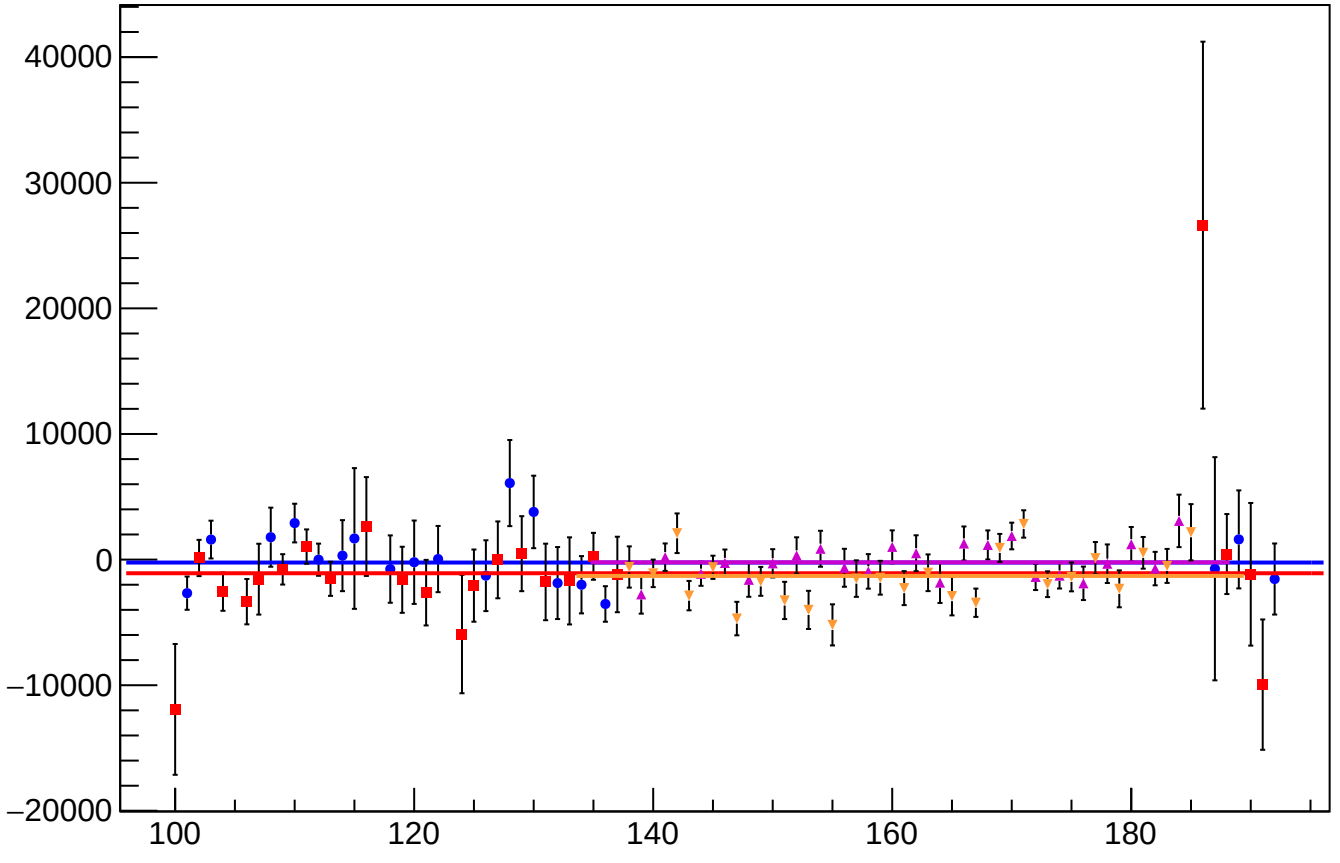
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

\+ sign 163.113+/-0.022 χ^2/NDF: 2576558.0/43

All: 162.131+/-0.016 χ^2/NDF: 5476004.5/89

\- sign 161.143+/-0.022 χ^2/NDF: 2895599.0/45

asym_sam_48_avg_dit_correction_mean vs Slug



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

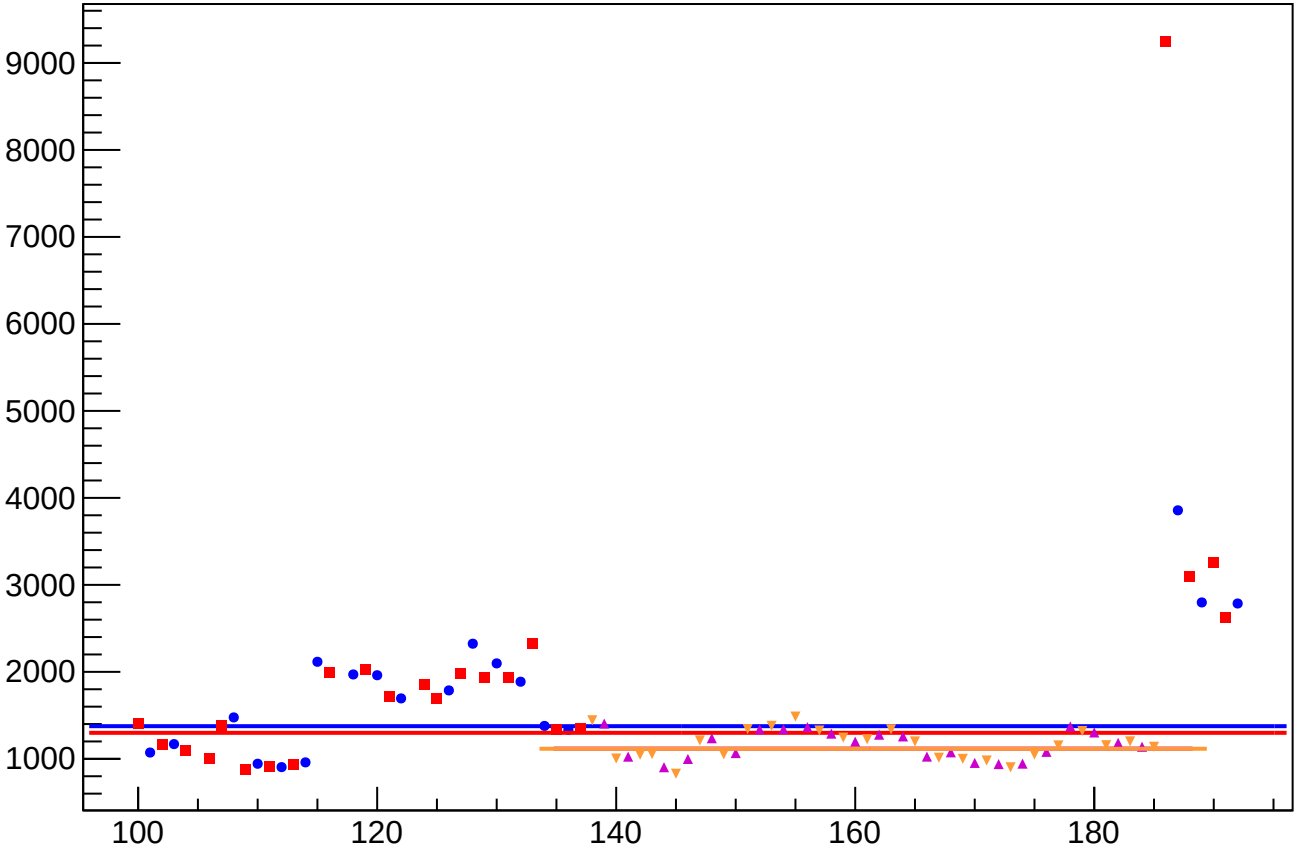
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1071.288+/-227.916 χ^2/NDF: 81.1/43

All: -753.254+/-161.793 χ^2/NDF: 130.2/89

- sign -430.181+/-229.715 χ^2/NDF: 45.3/45

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1375.482+/-0.349 χ^2/NDF: 2148032.9/18

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1299.239+/-0.328 χ^2/NDF: 3048083.2/22

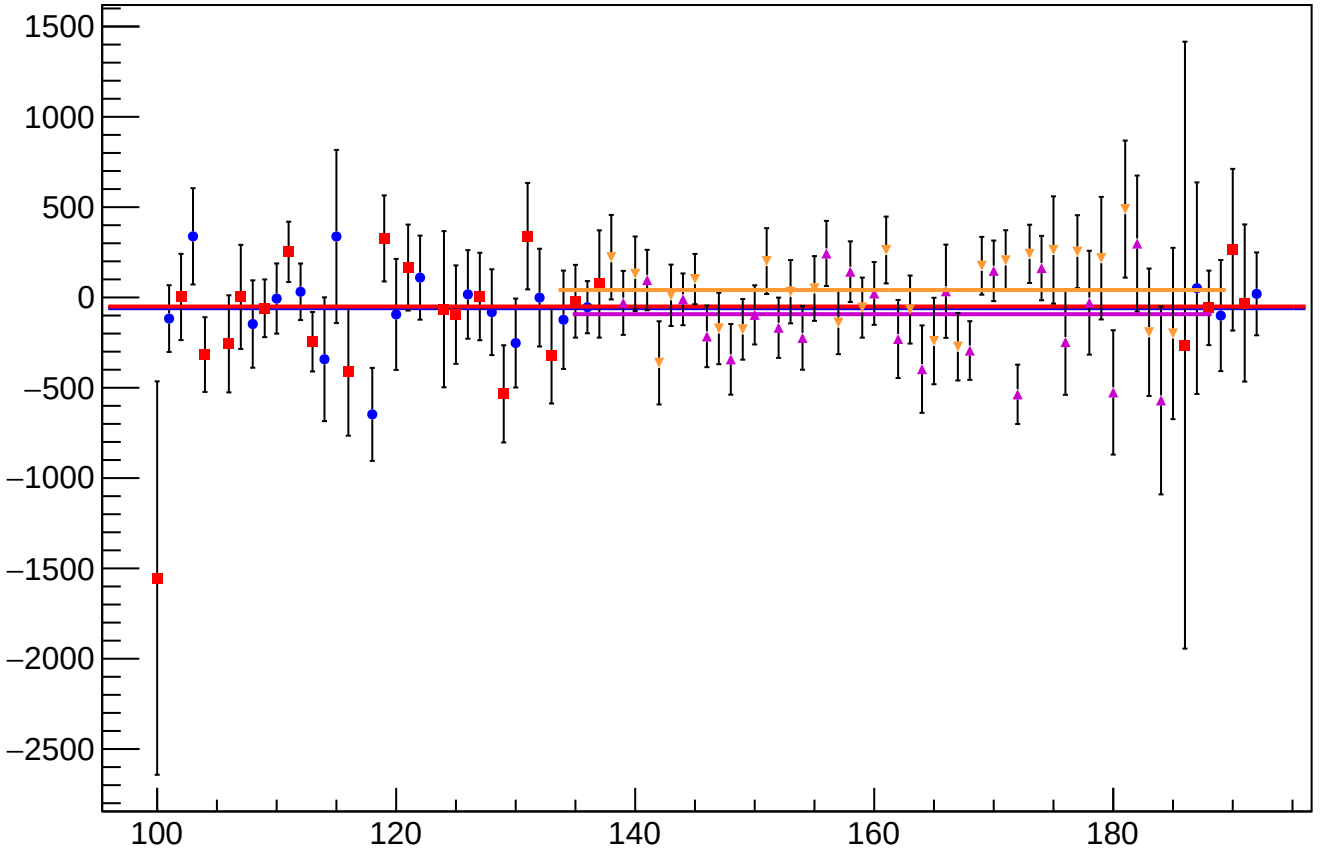
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1171.371+/-0.161 χ^2/NDF: 3450395.8/43

All: 1166.868+/-0.114 χ^2/NDF: 7460214.7/89

- sign 1162.293+/-0.162 χ^2/NDF: 4008245.0/45

eigen_dit_asym_sam_48_avg_mean vs Slug



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

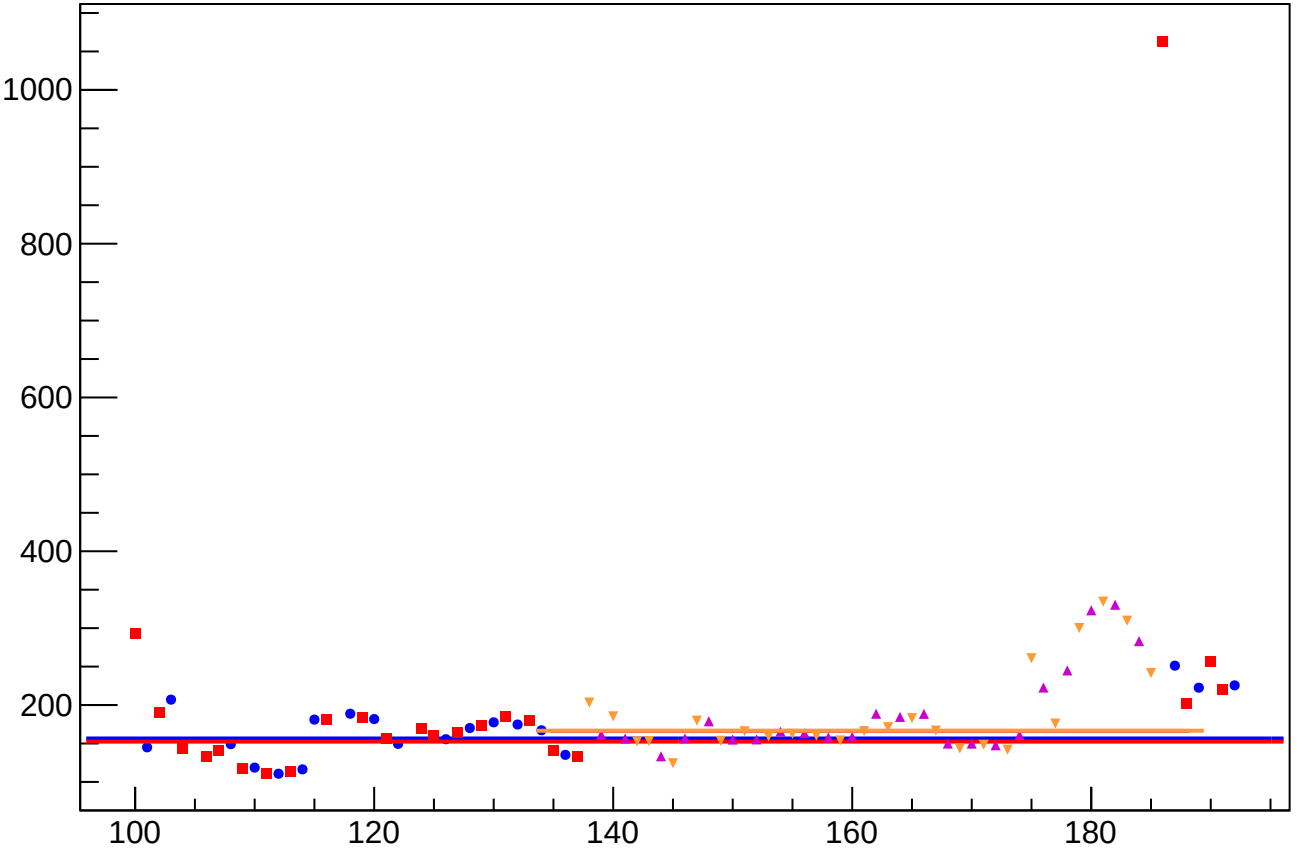
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 6.458+/-31.707 χ^2/NDF: 35.6/43

All: -34.987+/-22.460 χ^2/NDF: 88.9/89

- sign -76.726+/-31.819 χ^2/NDF: 49.9/45

eigen_dit_asym_sam_48_avg_rms vs Slug



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

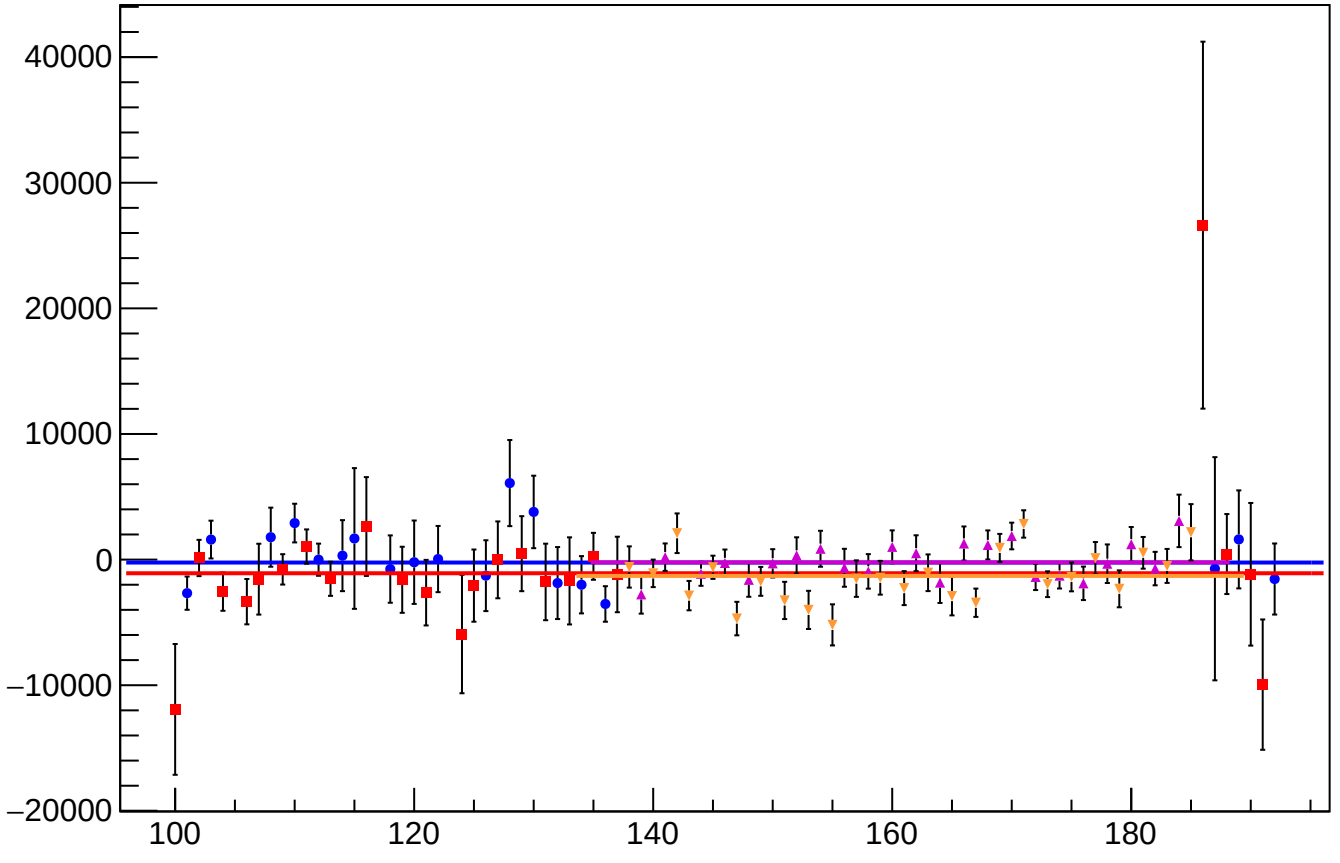
Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 163.113+/-0.022 χ^2/NDF: 2576550.3/43

All: 162.131+/-0.016 χ^2/NDF: 5475983.7/89

- sign 161.143+/-0.022 χ^2/NDF: 2895585.9/45

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



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

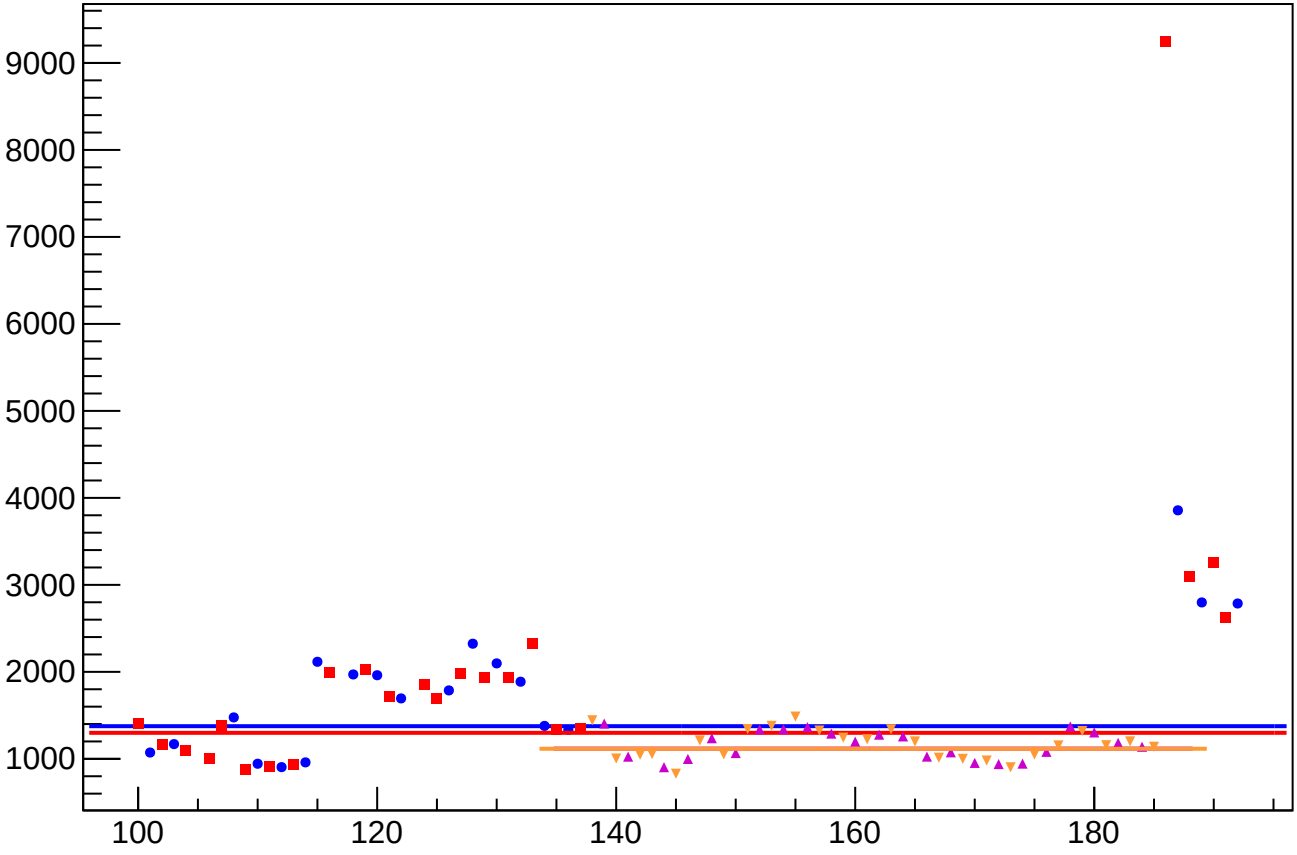
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1071.286+/-227.916 χ^2/NDF: 81.1/43

All: -753.252+/-161.793 χ^2/NDF: 130.2/89

- sign -430.180+/-229.714 χ^2/NDF: 45.3/45

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1375.480+/-0.349 χ^2/NDF: 2148035.0/18

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1299.237+/-0.328 χ^2/NDF: 3048084.6/22

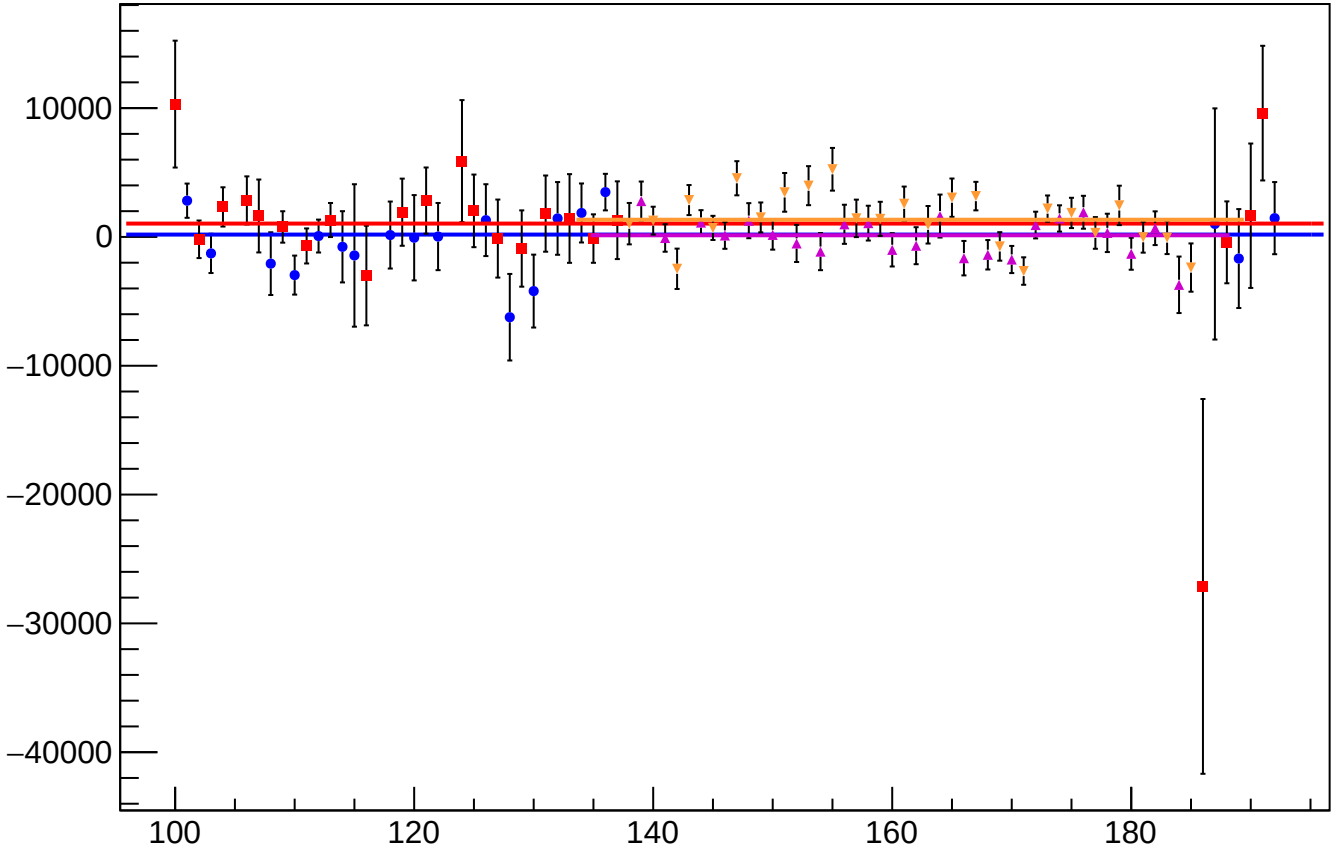
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1171.369+/-0.161 χ^2/NDF: 3450402.4/43

All: 1166.866+/-0.114 χ^2/NDF: 7460223.6/89

- sign 1162.291+/-0.162 χ^2/NDF: 4008247.2/45

asym_sam_48_avg_mean vs Slug



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

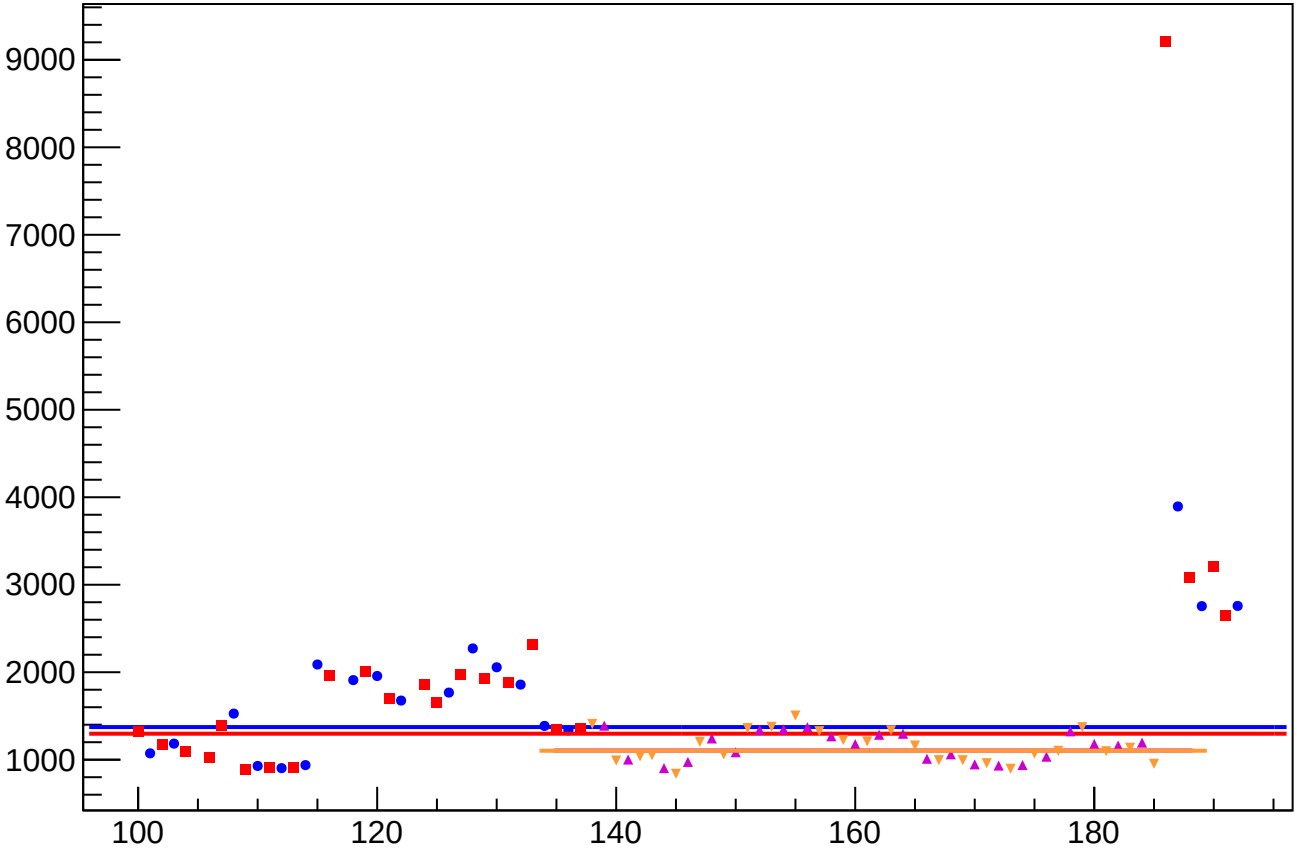
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1092.249+/-225.853 χ^2/NDF: 83.0/43

All: 722.925+/-160.338 χ^2/NDF: 133.5/89

- sign 347.661+/-227.662 χ^2/NDF: 45.1/45

asym_sam_48_avg_rms vs Slug



Right In: 1372.987+/-0.348 χ^2/NDF: 2107267.1/18

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

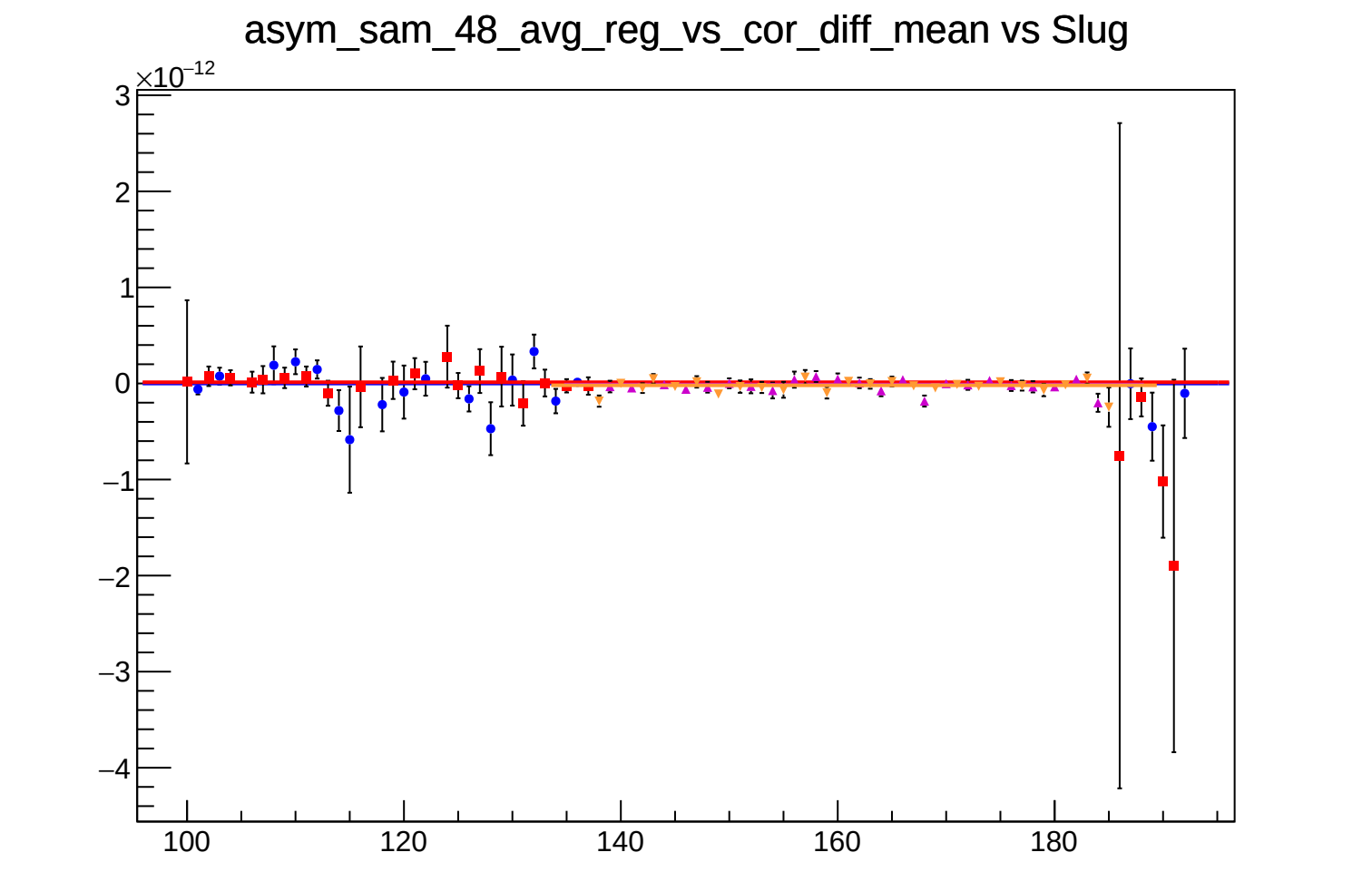
Right Out: 1297.195+/-0.328 χ^2/NDF: 3008807.6/22

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1159.599+/-0.160 χ^2/NDF: 3463779.8/43

All: 1155.620+/-0.113 χ^2/NDF: 7457745.0/89

- sign 1151.578+/-0.161 χ^2/NDF: 3992714.3/45



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

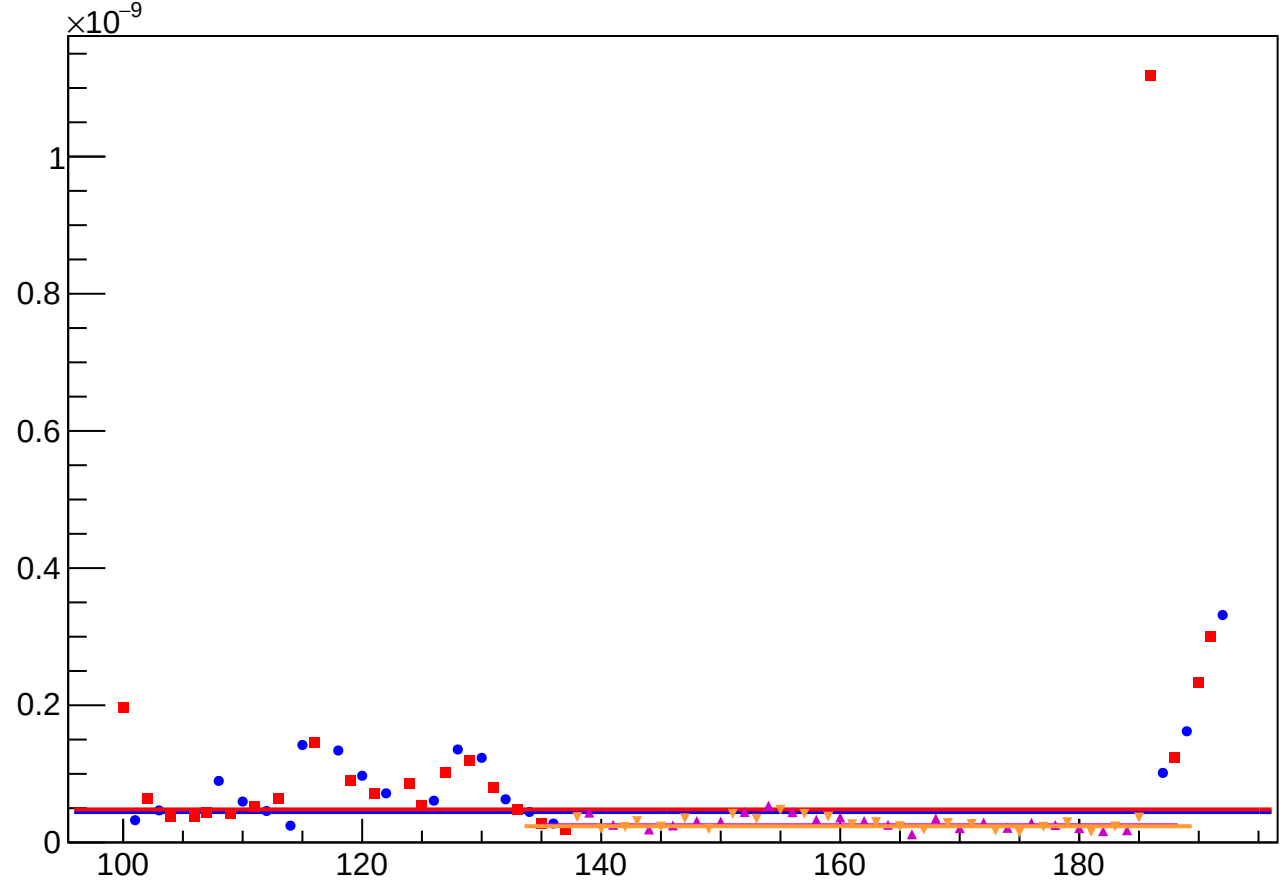
Right Out: 0.000+/-0.000 χ^2/NDF: 9.6/22

Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.7/43

All: -0.000+/-0.000 χ^2/NDF: 88.4/89

- sign -0.000+/-0.000 χ^2/NDF: 37.3/45



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

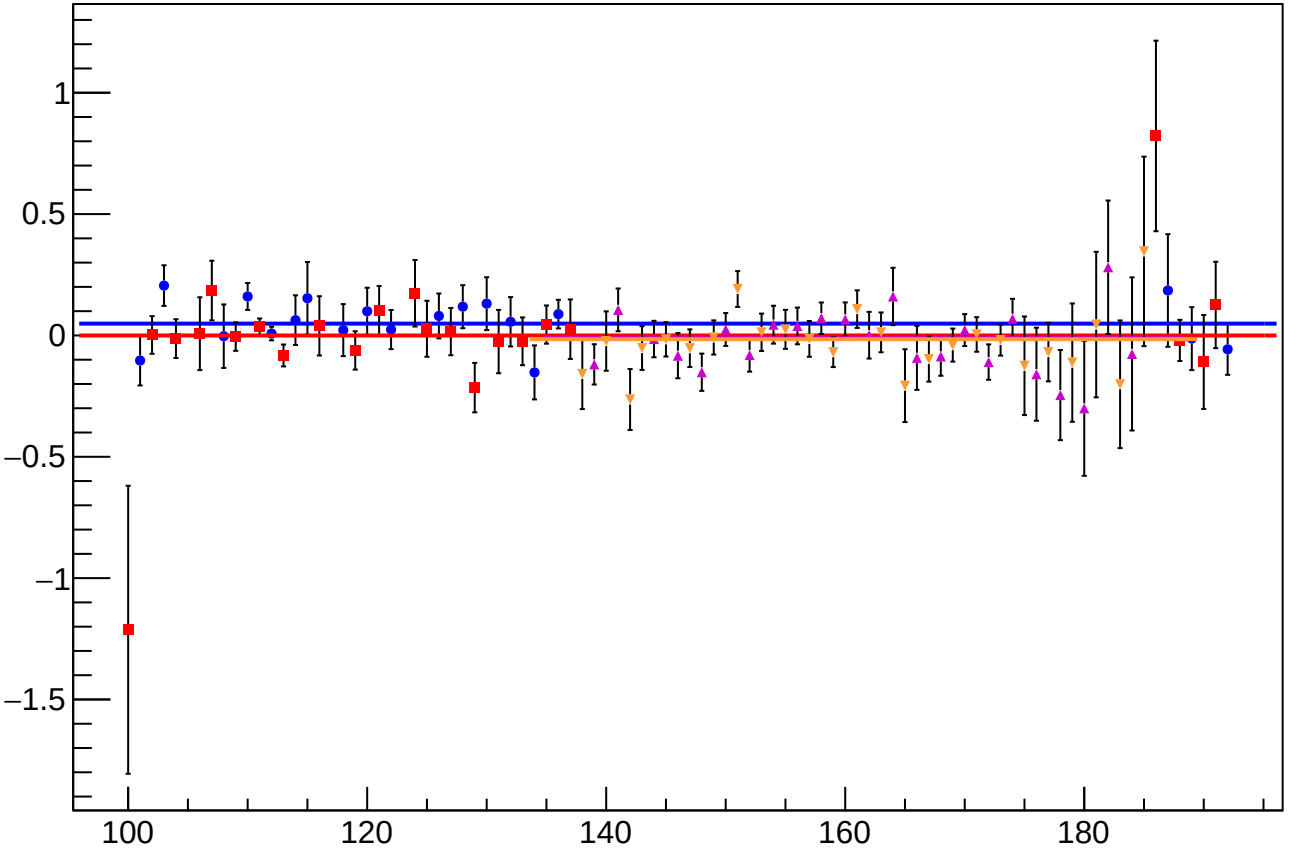
Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 4892502.1/43

All: 0.000+/-0.000 χ^2/NDF: 9483822.2/89

- sign 0.000+/-0.000 χ^2/NDF: 4554450.9/45

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



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

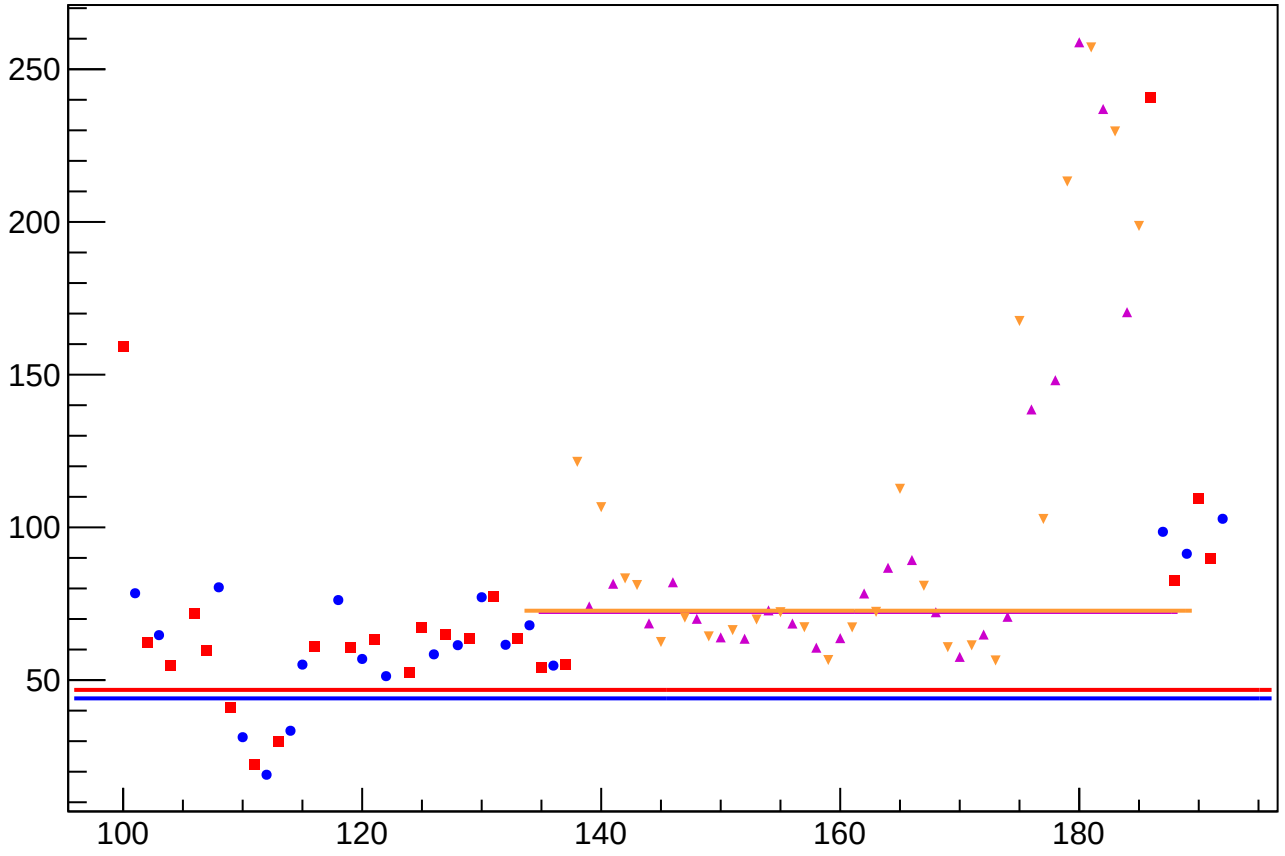
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.8/43

All: 0.006+/-0.009 χ^2/NDF: 97.6/89

- sign -0.006+/-0.013 χ^2/NDF: 48.0/45

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



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

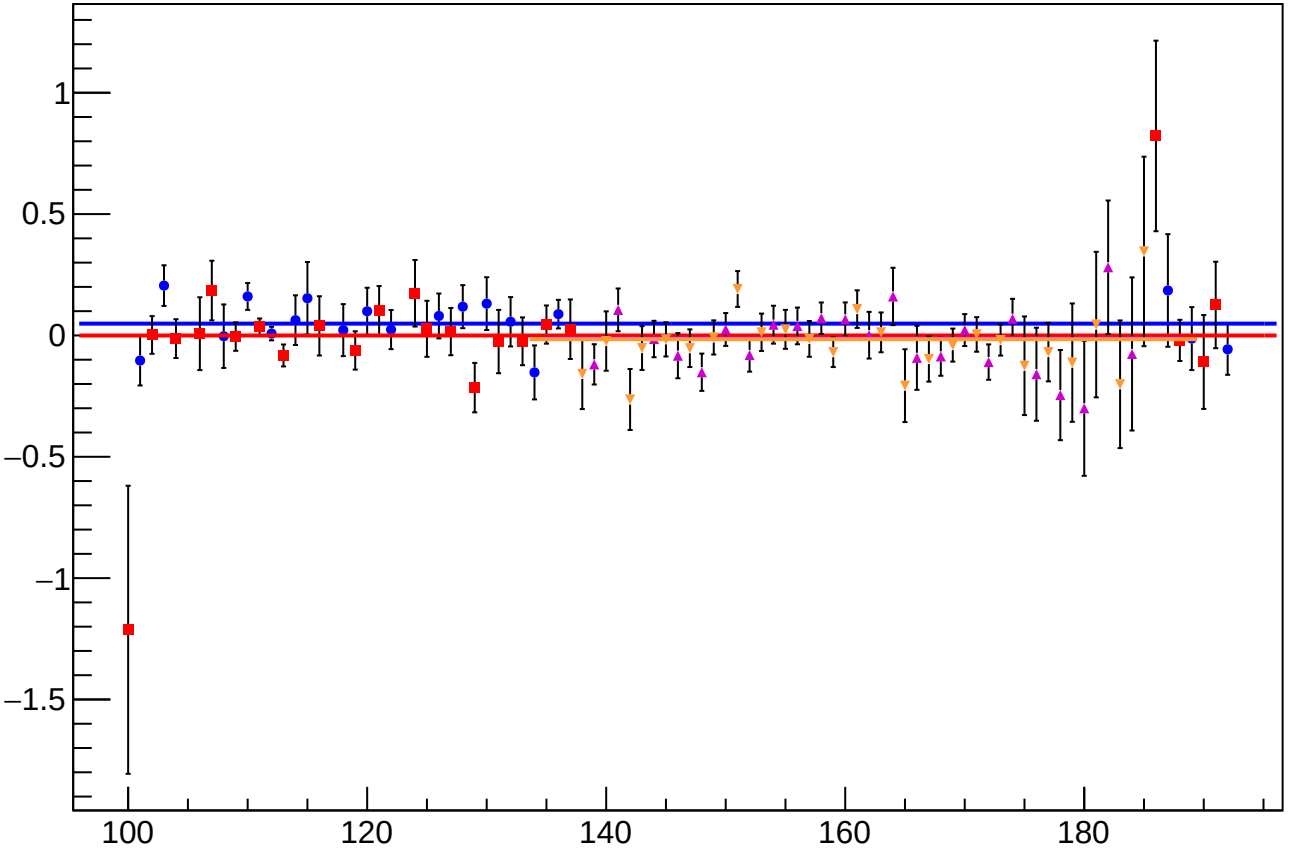
Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 57.838+/-0.009 χ^2/NDF: 10589335.9/43

All: 58.369+/-0.006 χ^2/NDF: 18711772.0/89

- sign 58.910+/-0.009 χ^2/NDF: 8115108.6/45

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug



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

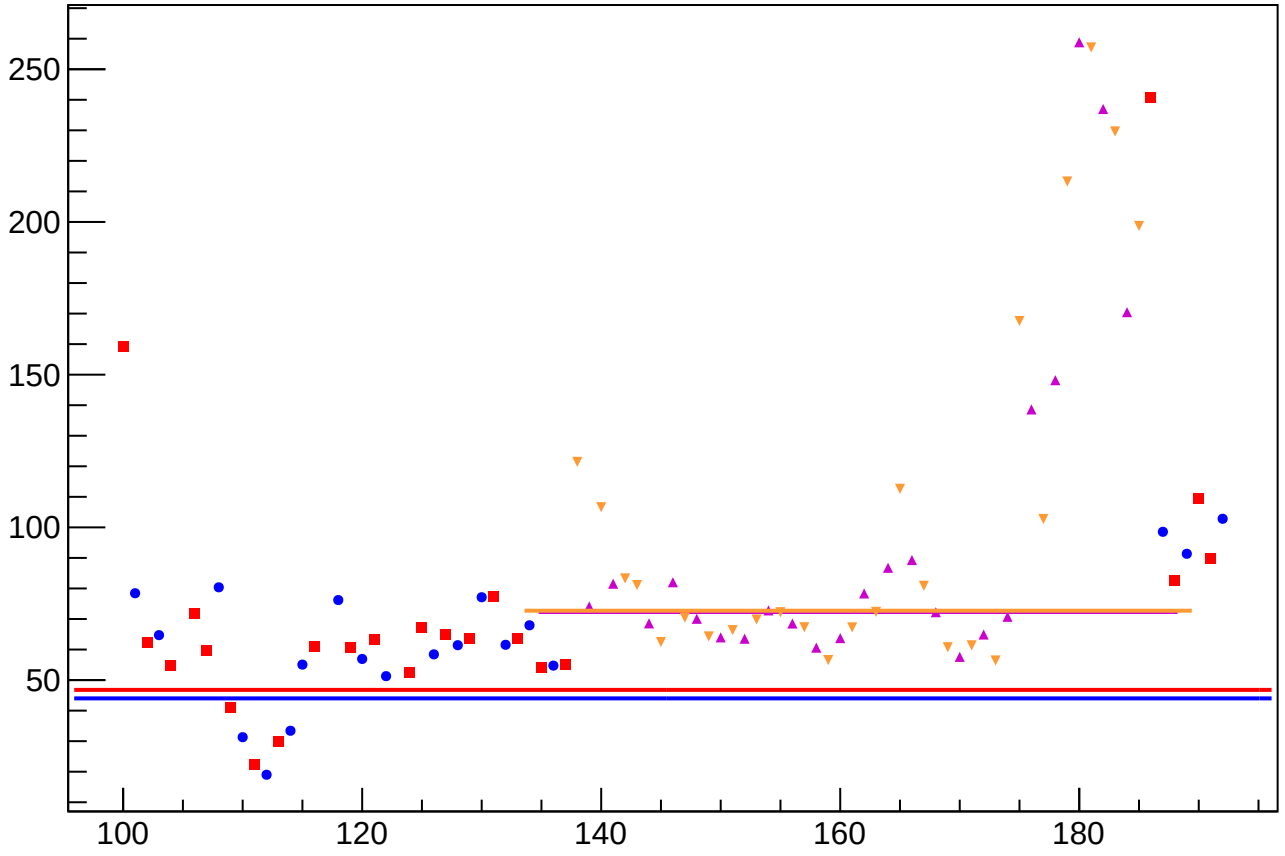
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.8/43

All: 0.006+/-0.009 χ^2/NDF: 97.6/89

- sign -0.006+/-0.013 χ^2/NDF: 48.0/45

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.009+/-0.012 χ^2/NDF: 3980590.7/18

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

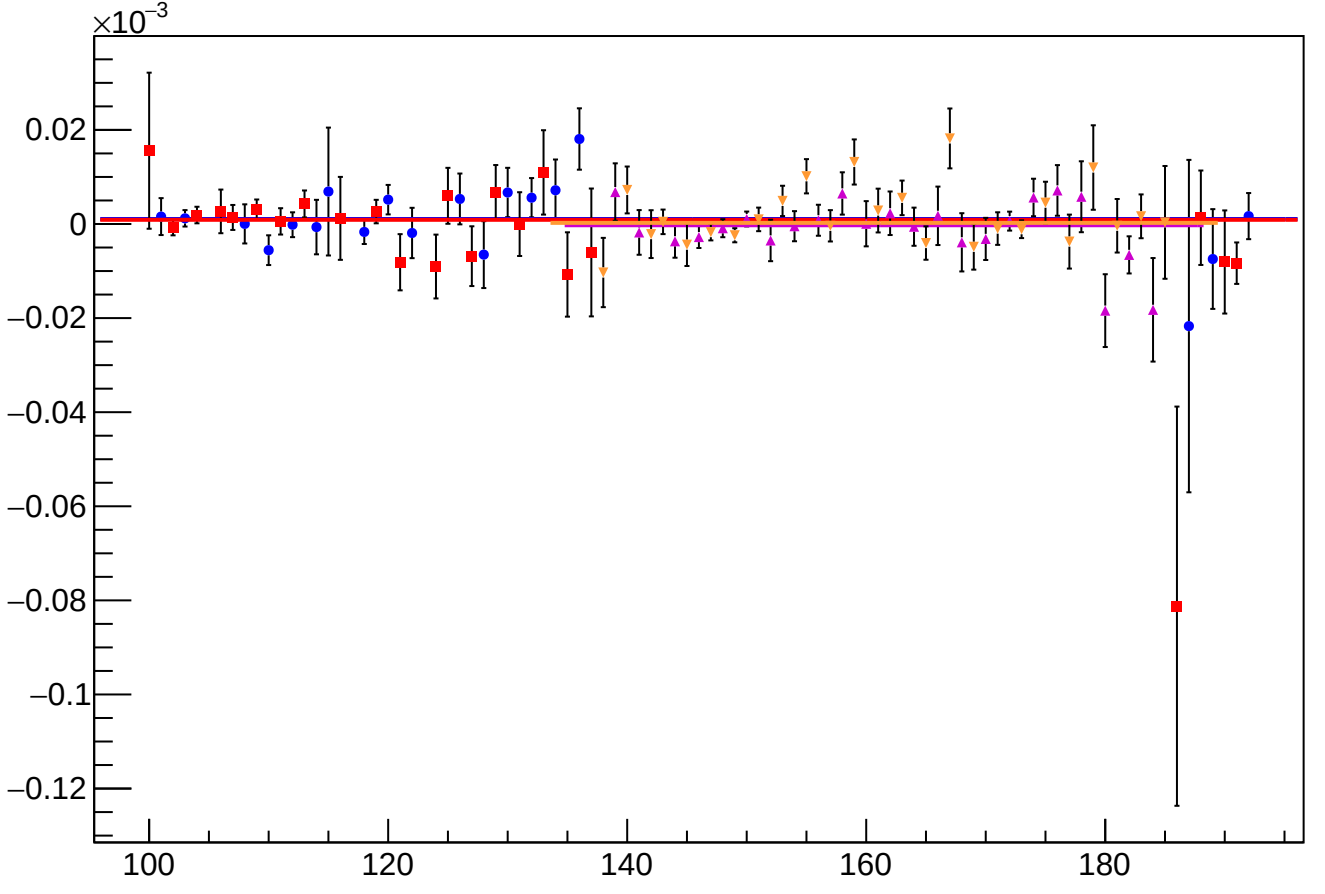
Right Out: 46.791+/-0.012 χ^2/NDF: 3275510.6/22

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

\+ sign 57.838+/-0.009 χ^2/NDF: 10589335.9/43

All: 58.369+/-0.006 χ^2/NDF: 18711772.0/89

\- sign 58.910+/-0.009 χ^2/NDF: 8115108.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

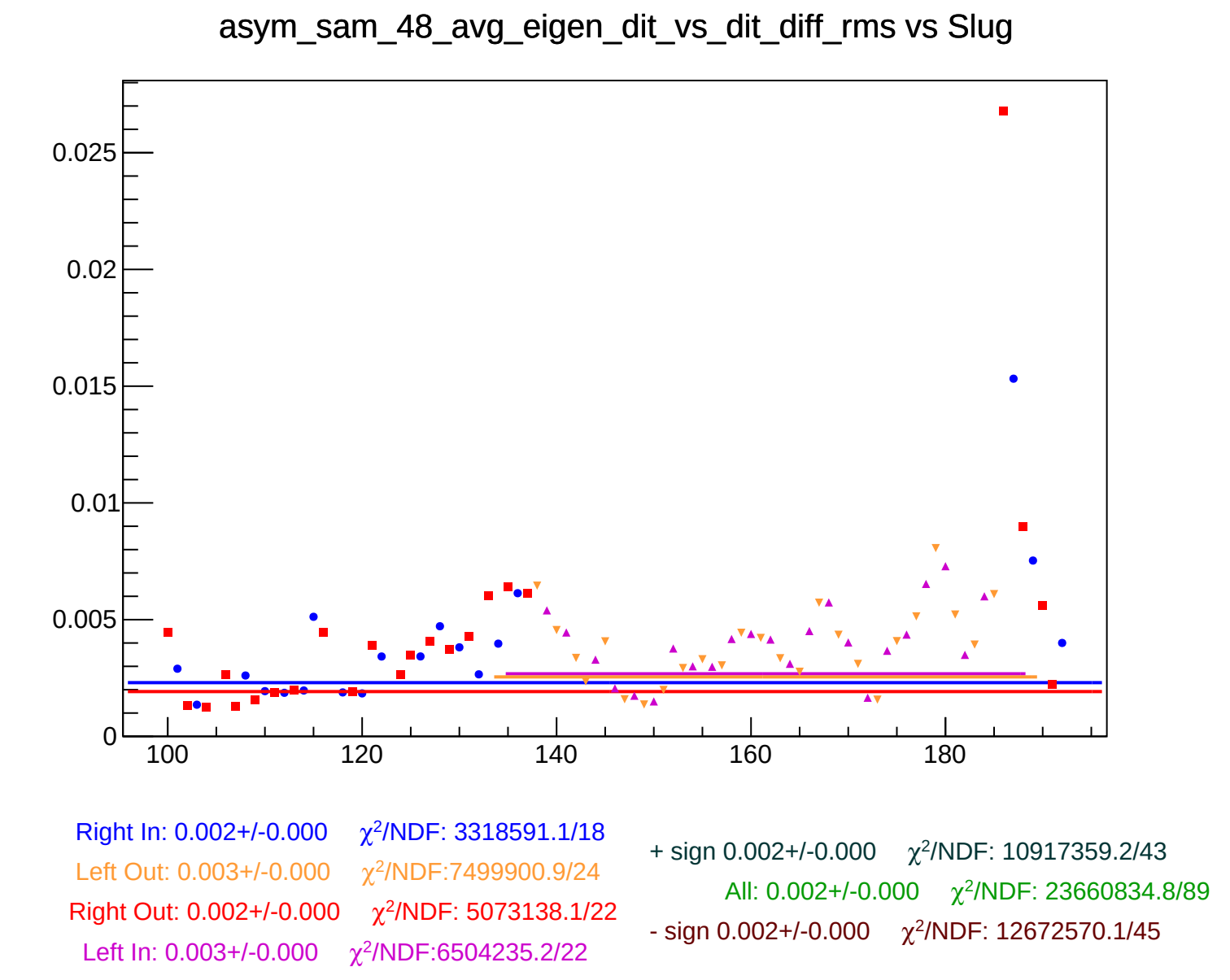
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/22

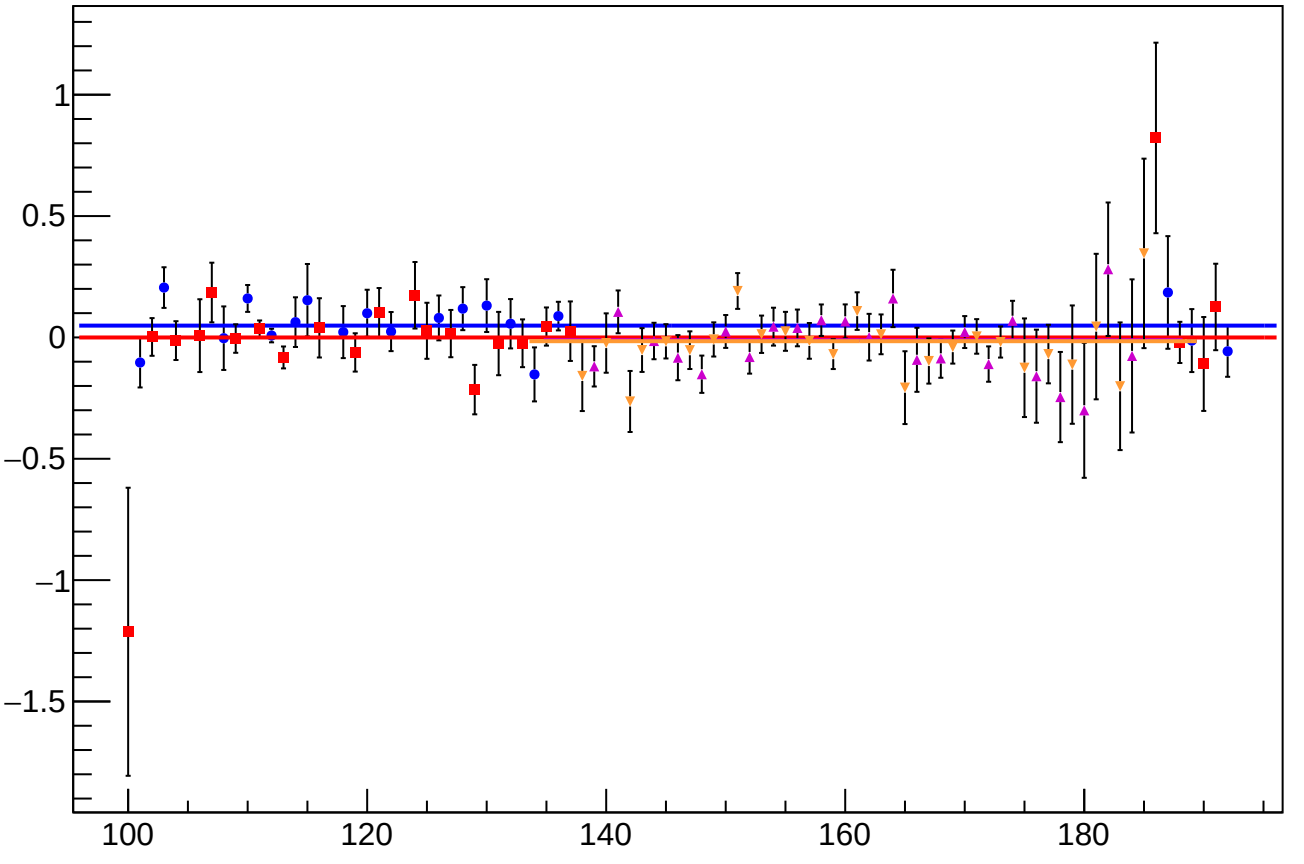
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.9/43

All: 0.000+/-0.000 χ^2/NDF: 115.3/89

- sign 0.000+/-0.000 χ^2/NDF: 50.3/45


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
Right In: 0.002+/-0.000 χ²/NDF: 3318591.1/18
Left Out: 0.003+/-0.000 χ²/NDF:7499900.9/24
Right Out: 0.002+/-0.000 χ²/NDF: 5073138.1/22
Left In: 0.003+/-0.000 χ²/NDF:6504235.2/22
+ sign 0.002+/-0.000 χ²/NDF: 10917359.2/43
All: 0.002+/-0.000 χ²/NDF: 23660834.8/89
- sign 0.002+/-0.000 χ²/NDF: 12672570.1/45



Right In: 0.049+/-0.017 χ^2/NDF: 19.6/18

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

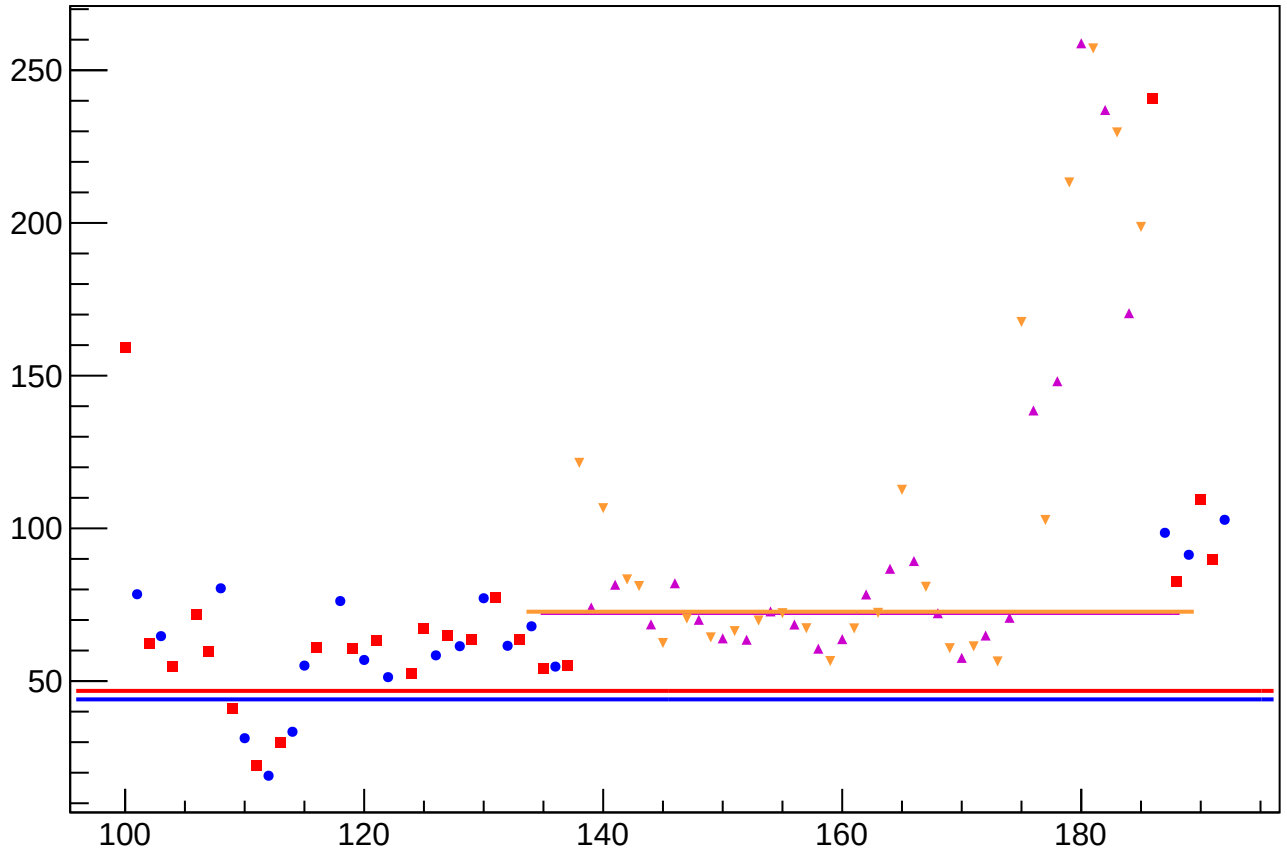
Right Out: -0.000+/-0.017 χ^2/NDF: 24.5/22

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.8/43

All: 0.006+/-0.009 χ^2/NDF: 97.6/89

- sign -0.006+/-0.013 χ^2/NDF: 48.0/45



Right In: 44.008+/-0.012 χ^2/NDF: 3980760.4/18

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

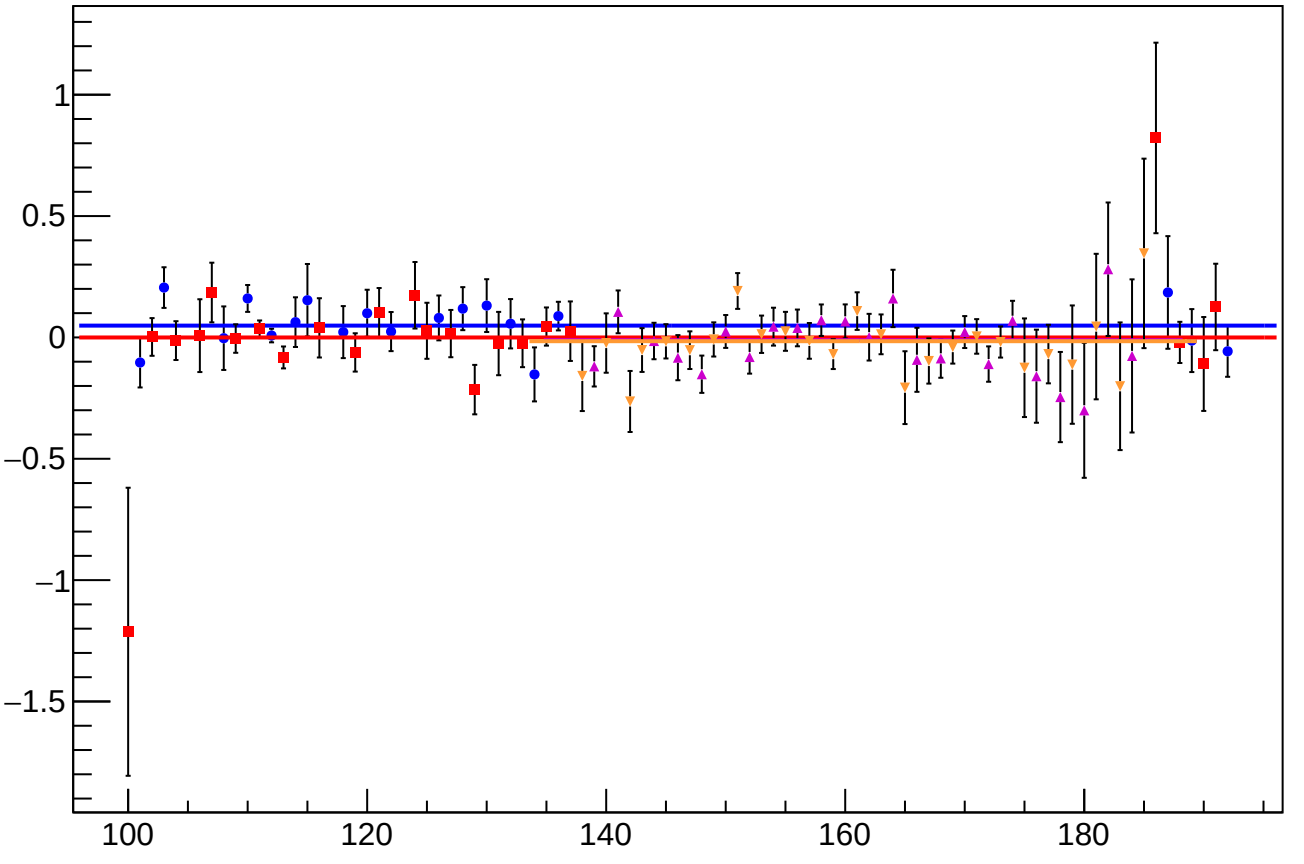
Right Out: 46.790+/-0.012 χ^2/NDF: 3275715.4/22

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 57.837+/-0.009 χ^2/NDF: 10589753.7/43

All: 58.369+/-0.006 χ^2/NDF: 18712578.0/89

- sign 58.910+/-0.009 χ^2/NDF: 8115495.6/45



Right In: 0.049+/-0.017 χ^2/NDF: 19.6/18

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

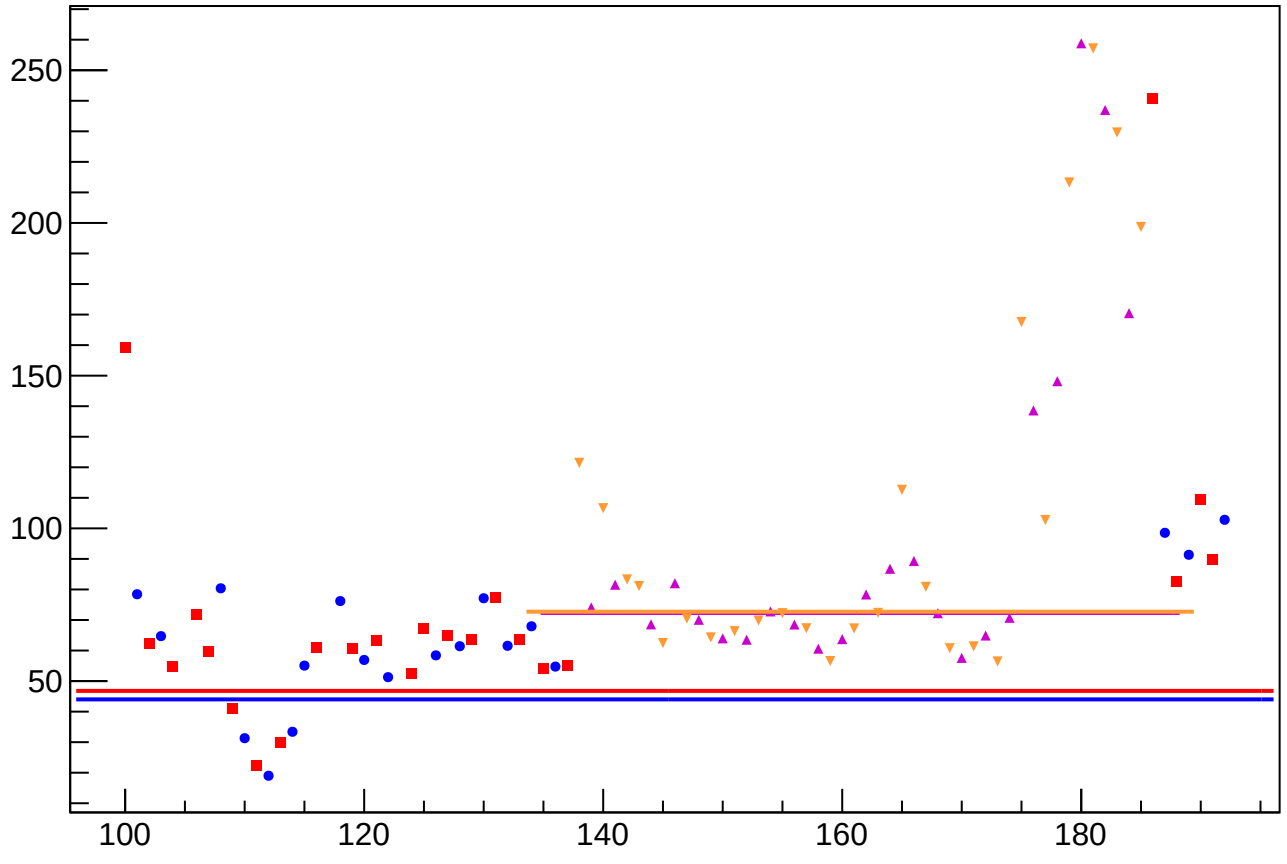
Right Out: -0.000+/-0.017 χ^2/NDF: 24.5/22

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.8/43

All: 0.006+/-0.009 χ^2/NDF: 97.6/89

- sign -0.006+/-0.013 χ^2/NDF: 48.0/45



Right In: 44.008+/-0.012 χ^2/NDF: 3980760.4/18

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

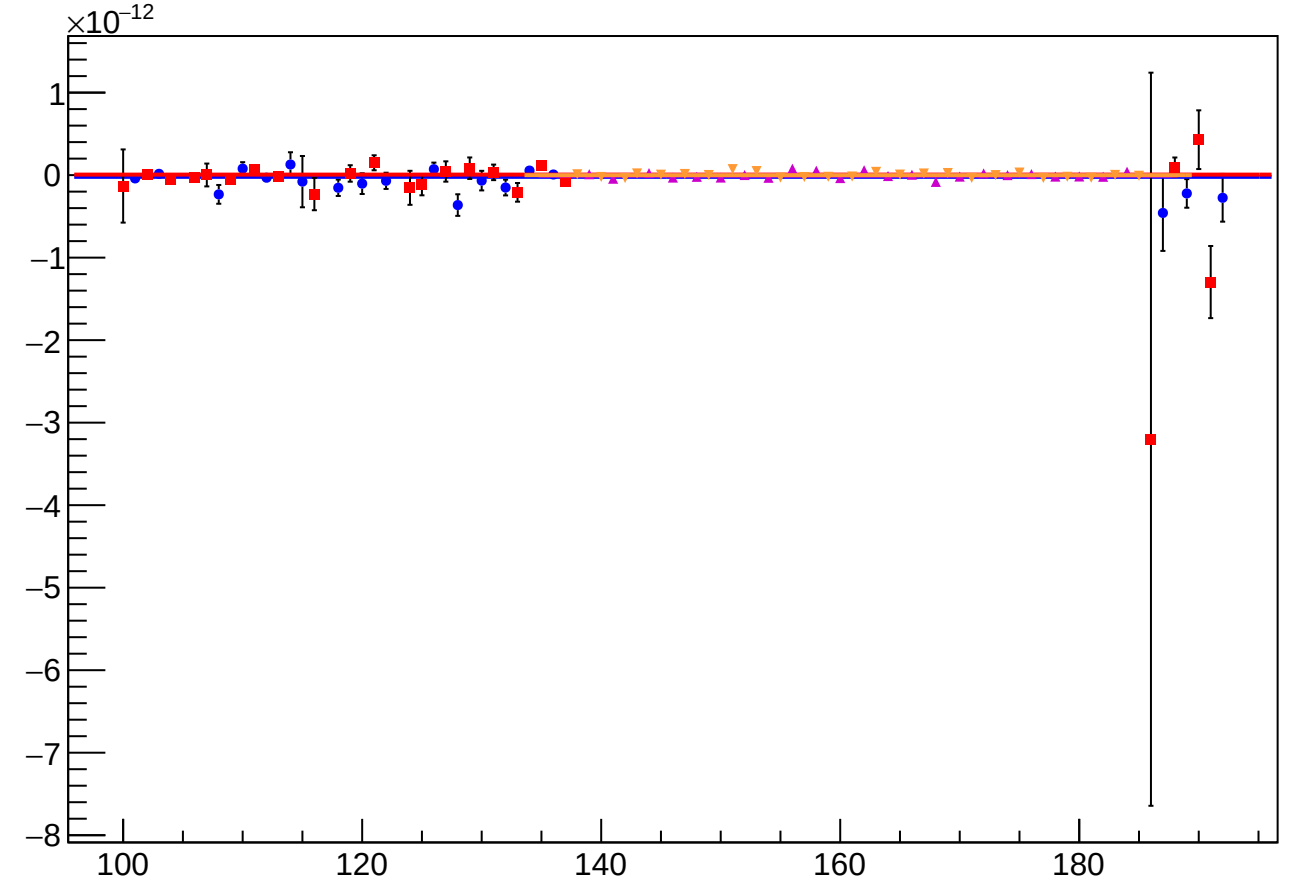
Right Out: 46.790+/-0.012 χ^2/NDF: 3275715.4/22

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

\+ sign 57.837+/-0.009 χ^2/NDF: 10589753.7/43

All: 58.369+/-0.006 χ^2/NDF: 18712578.0/89

\- sign 58.910+/-0.009 χ^2/NDF: 8115495.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

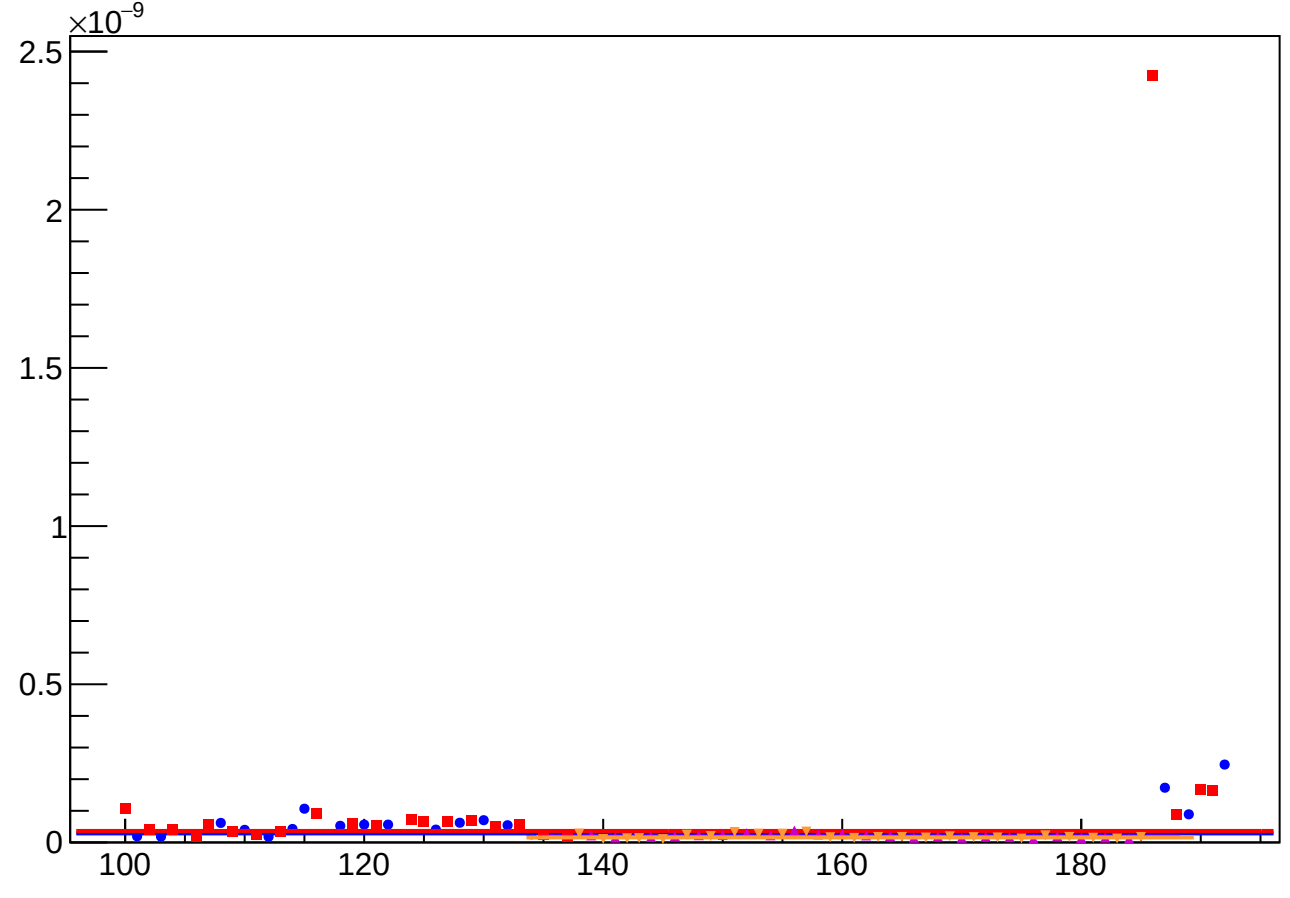
Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/22

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.7/43

All: -0.000+/-0.000 χ^2/NDF: 129.3/89

- sign -0.000+/-0.000 χ^2/NDF: 73.5/45



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

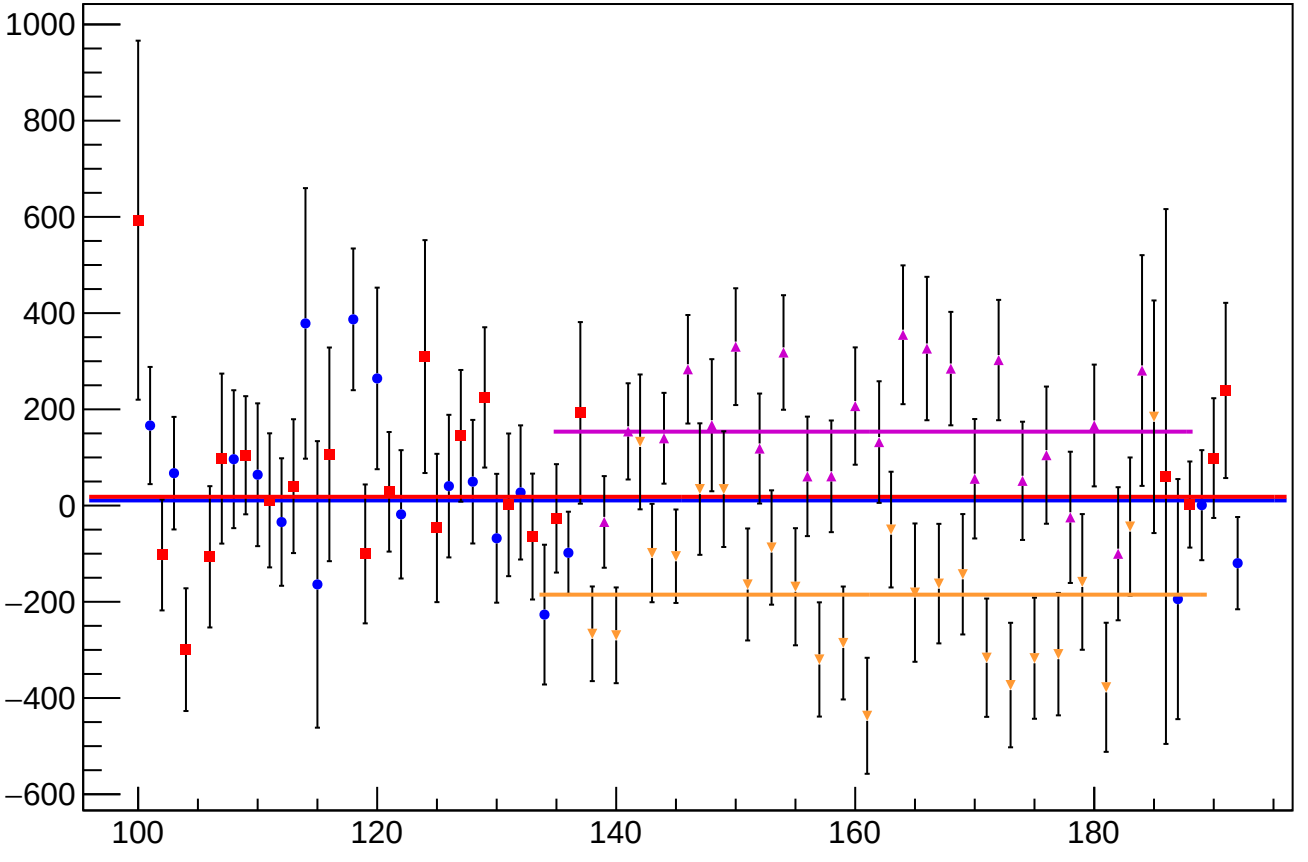
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7154558.6/43

All: 0.000+/-0.000 χ^2/NDF: 14449761.2/89

- sign 0.000+/-0.000 χ^2/NDF: 6938230.4/45

reg_asym_sam_15_dd_mean vs Slug



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

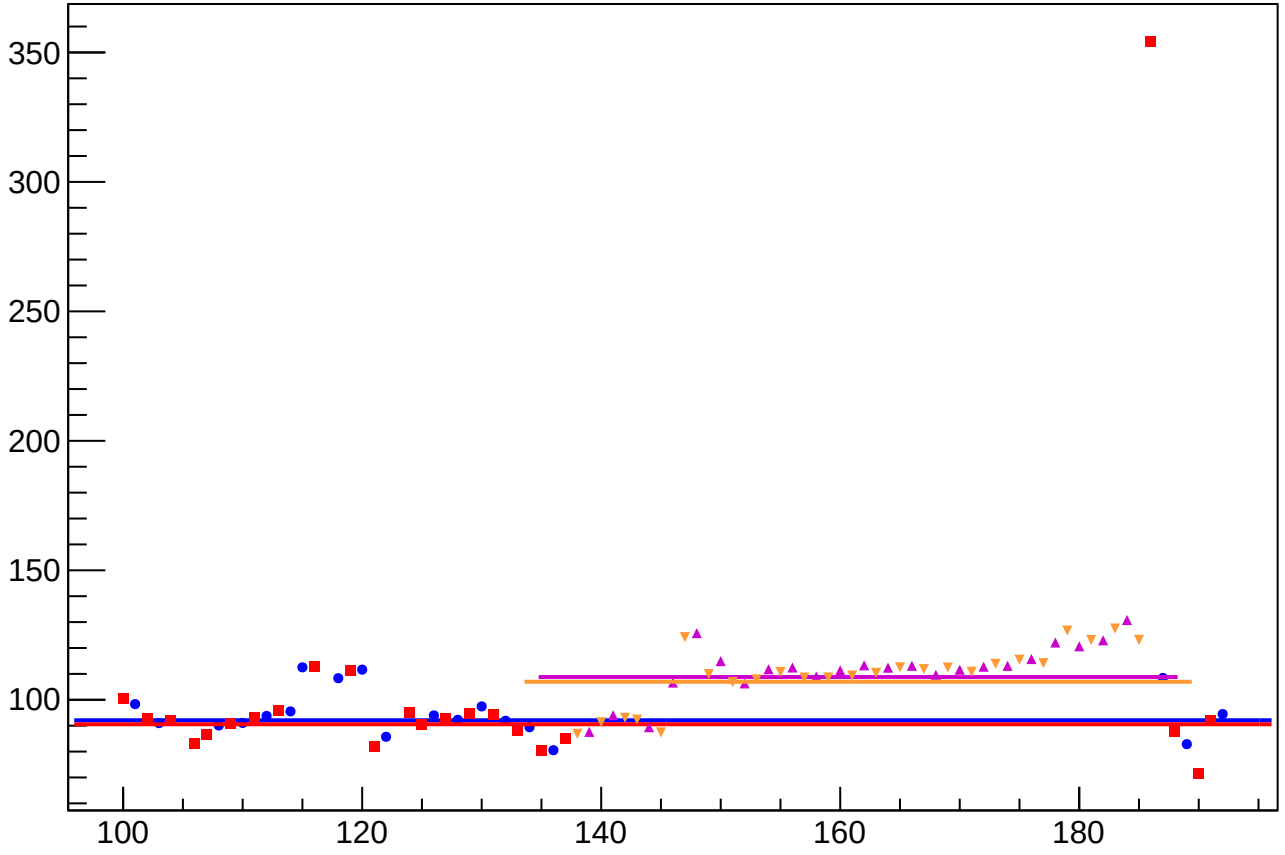
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -109.840+/-19.183 χ^2/NDF: 77.9/43

All: -7.924+/-13.648 χ^2/NDF: 190.3/89

- sign 96.525+/-19.420 χ^2/NDF: 55.2/45

reg_asym_sam_15_dd_rms vs Slug



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

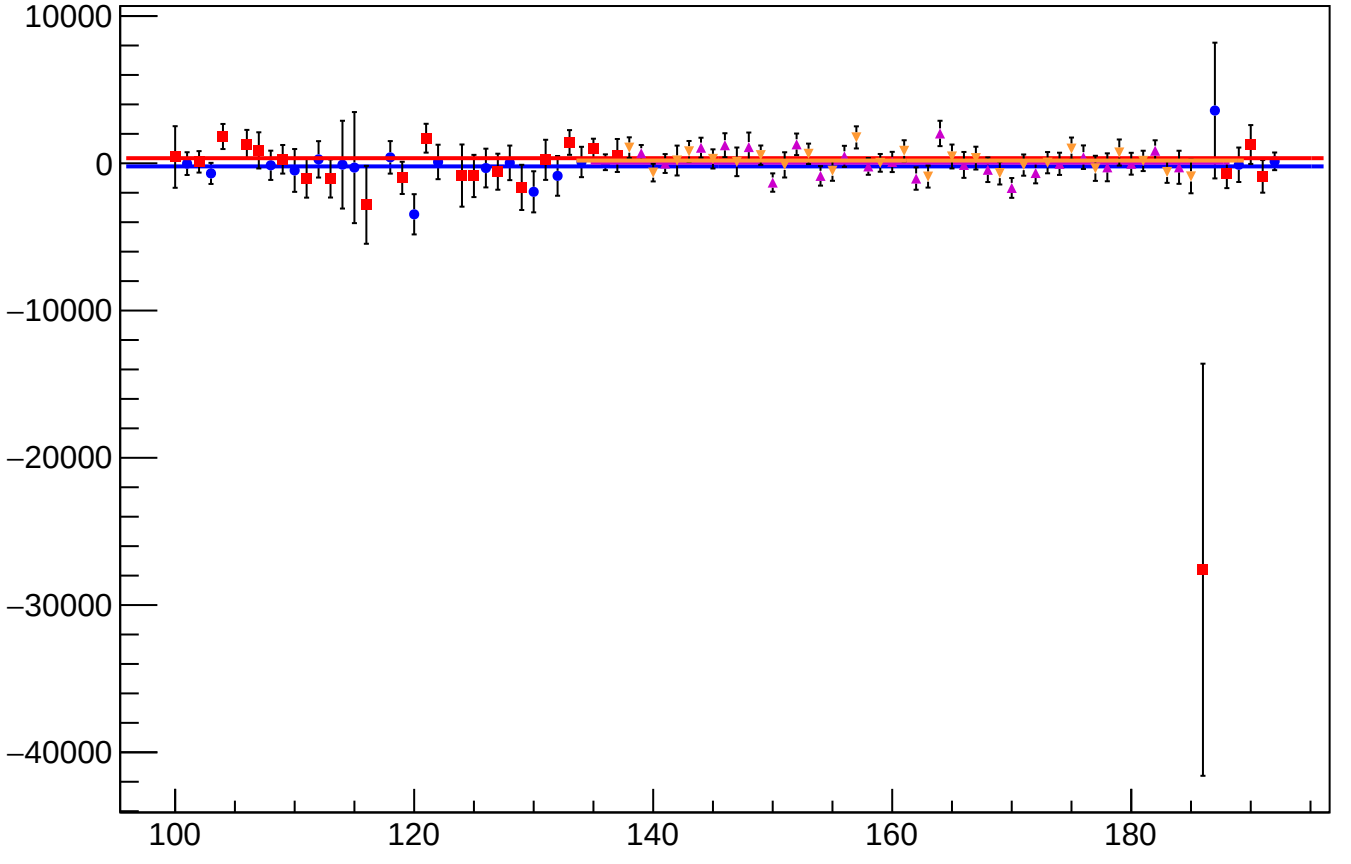
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 101.237+/-0.014 χ^2/NDF: 878556.9/43

All: 101.164+/-0.010 χ^2/NDF: 2272155.3/89

- sign 101.089+/-0.014 χ^2/NDF: 1393539.4/45

asym_sam_15_dd_reg_correction_mean vs Slug



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

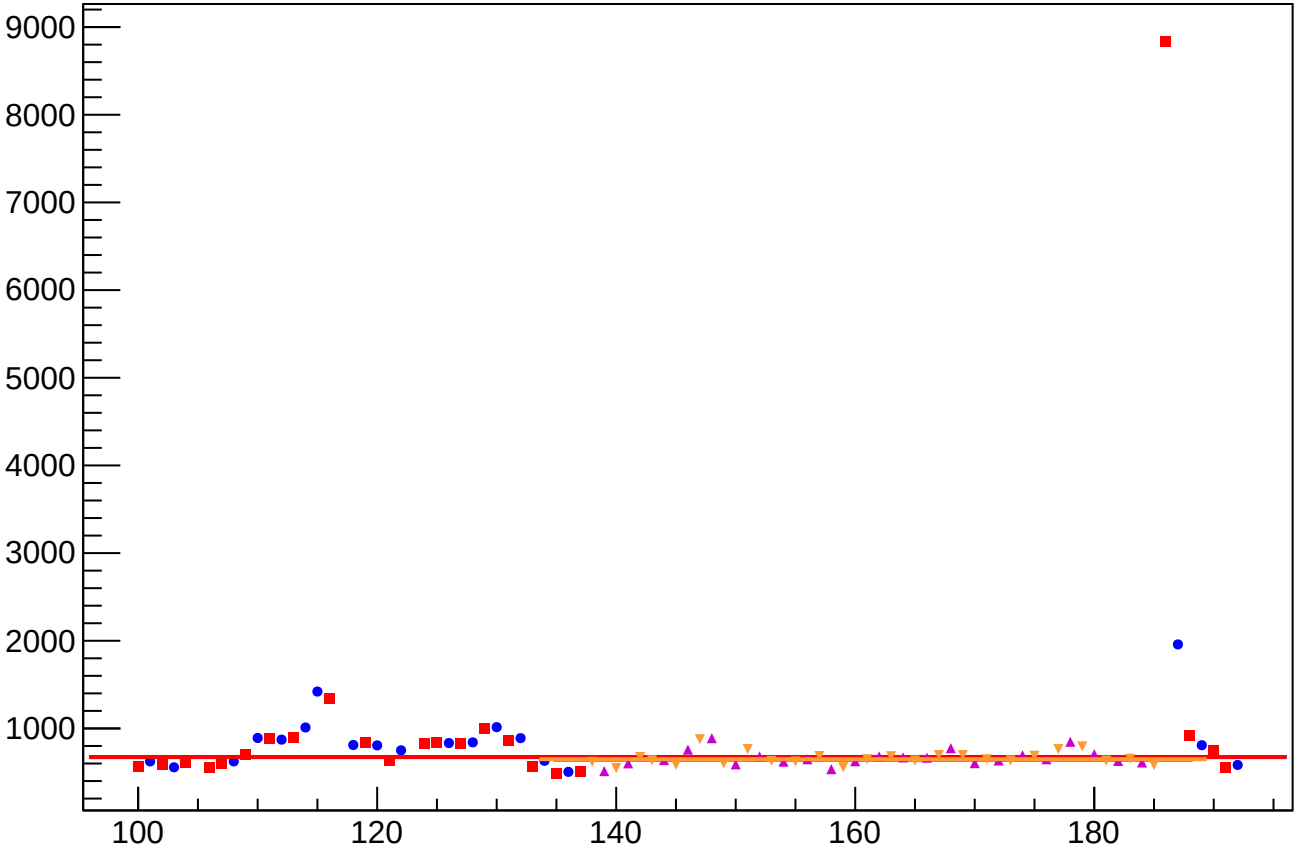
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 71.572+/-125.452 χ^2/NDF: 31.0/43

All: 102.738+/-89.293 χ^2/NDF: 90.1/89

- sign 134.740+/-127.123 χ^2/NDF: 58.9/45

asym_sam_15_dd_reg_correction_rms vs Slug



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

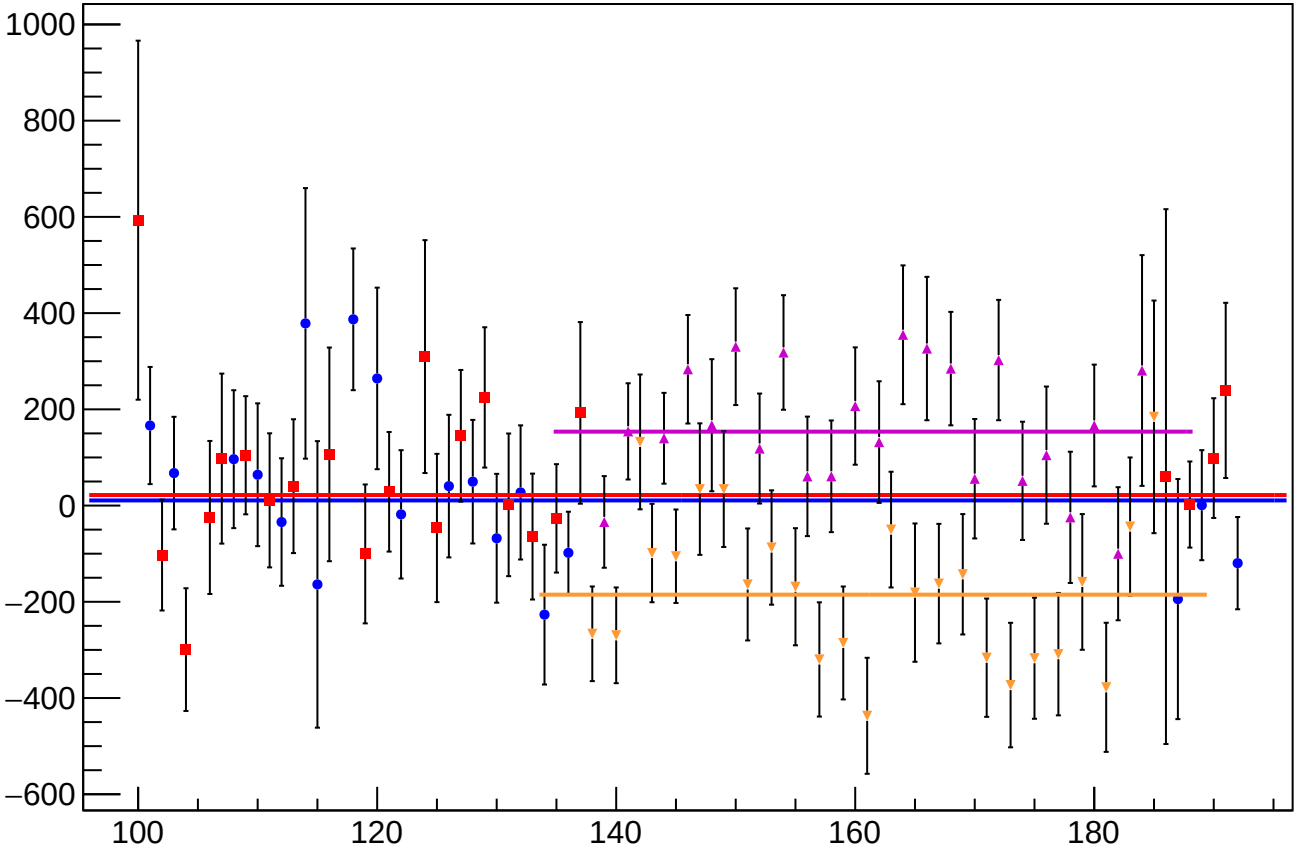
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 656.090+/-0.089 χ^2/NDF: 1429035.9/43

All: 654.691+/-0.063 χ^2/NDF: 3649462.3/89

- sign 653.254+/-0.090 χ^2/NDF: 2219922.1/45

cor_asym_sam_15_dd_mean vs Slug



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

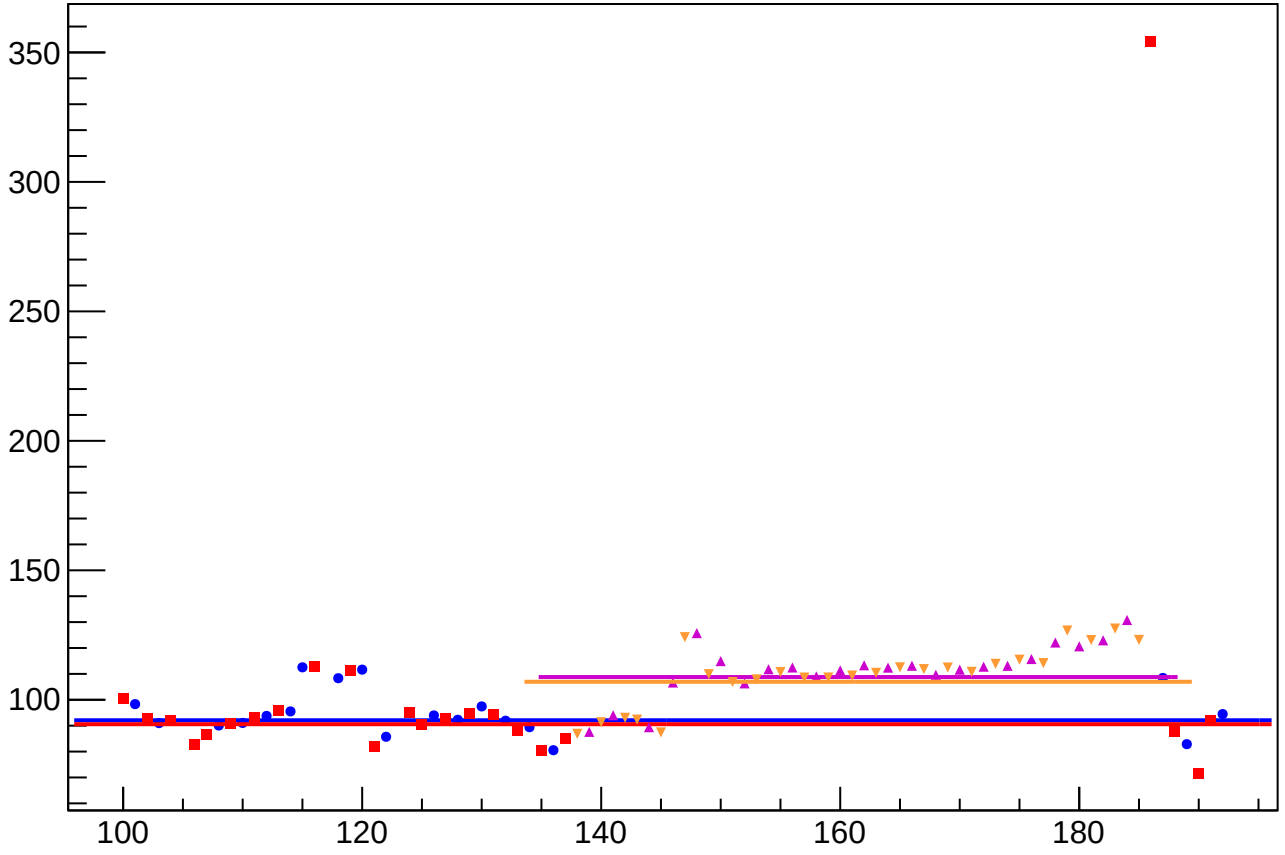
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -109.837+/-19.183 χ^2/NDF: 78.0/43

All: -7.193+/-13.656 χ^2/NDF: 189.8/89

- sign 98.274+/-19.445 χ^2/NDF: 53.8/45

cor_asym_sam_15_dd_rms vs Slug



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

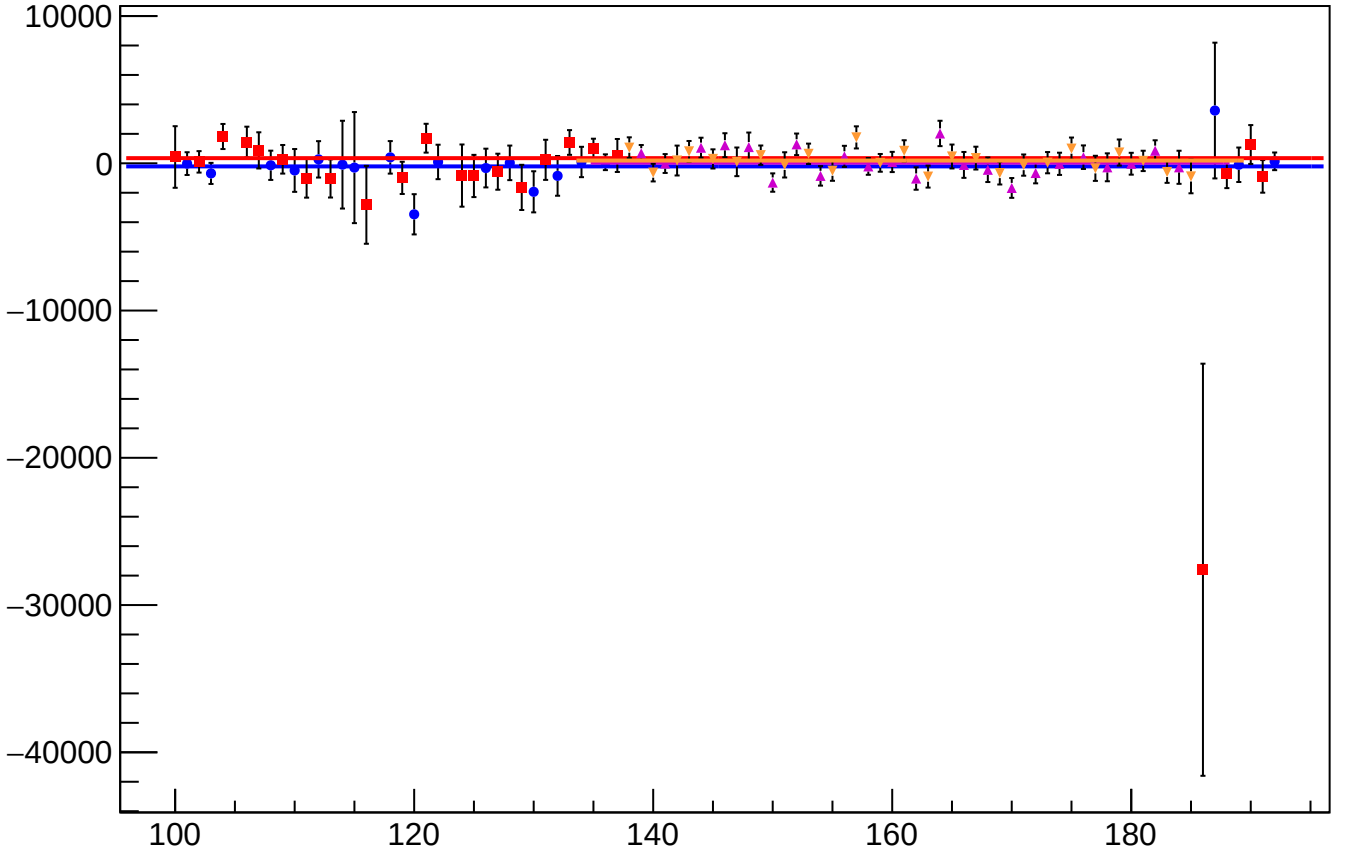
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 101.237+/-0.014 χ^2/NDF: 878556.8/43

All: 101.183+/-0.010 χ^2/NDF: 2269296.0/89

- sign 101.127+/-0.014 χ^2/NDF: 1390706.7/45

asym_sam_15_dd_cor_correction_mean vs Slug



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

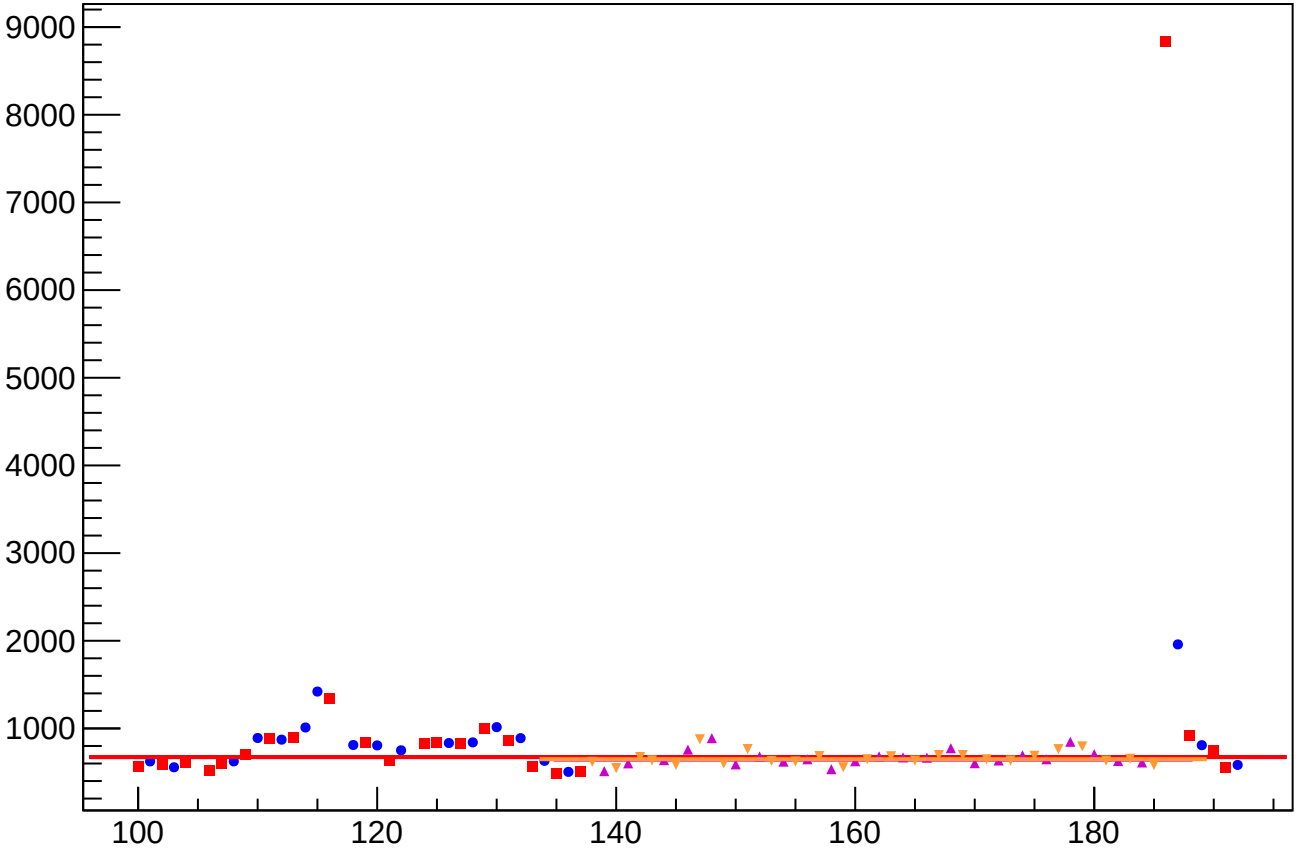
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 71.568+/-125.452 χ^2/NDF: 31.0/43

All: 102.917+/-89.331 χ^2/NDF: 90.3/89

- sign 135.162+/-127.233 χ^2/NDF: 59.1/45

asym_sam_15_dd_cor_correction_rms vs Slug



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

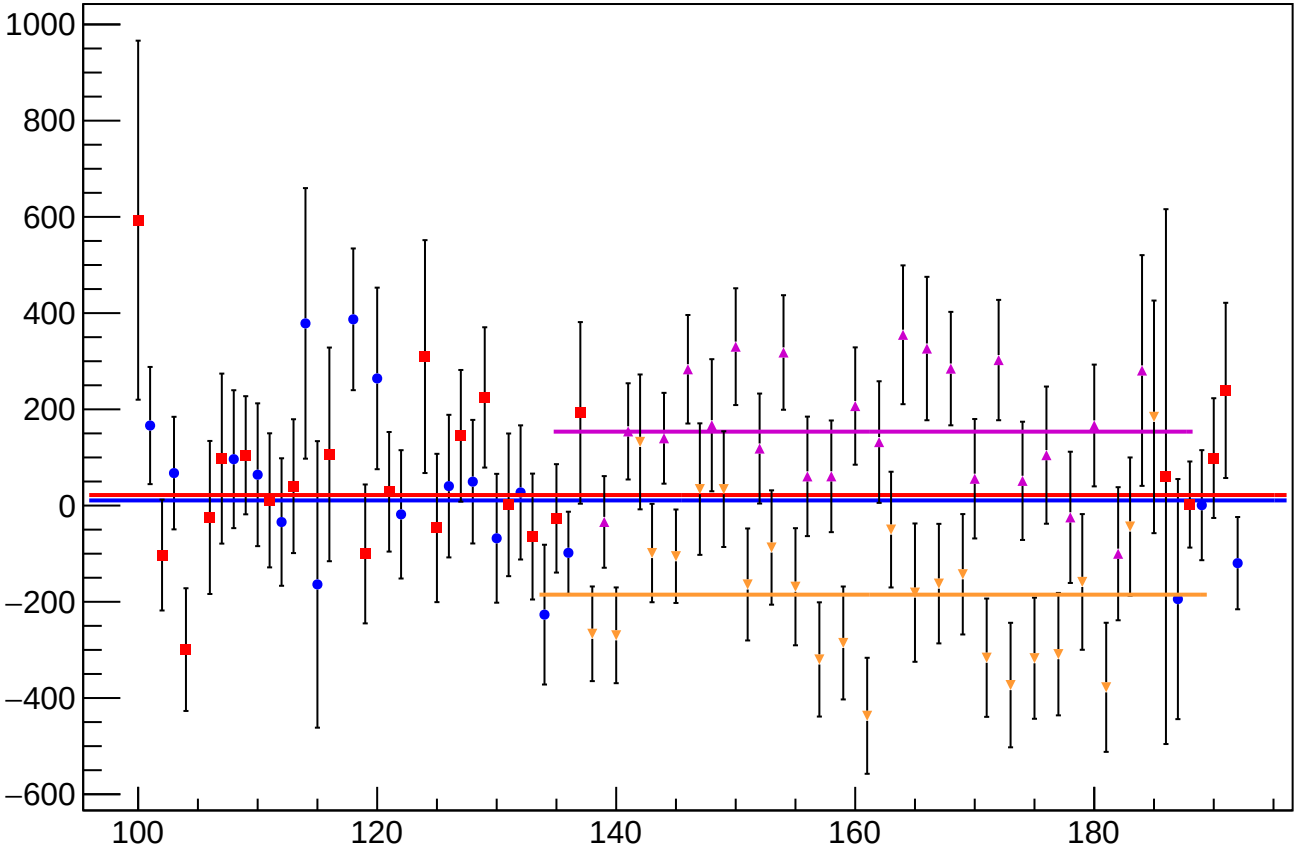
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 656.090+/-0.089 χ^2/NDF: 1429037.0/43

All: 654.575+/-0.063 χ^2/NDF: 3659251.4/89

- sign 653.017+/-0.090 χ^2/NDF: 2229623.1/45

eigen_cor_asym_sam_15_dd_mean vs Slug



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

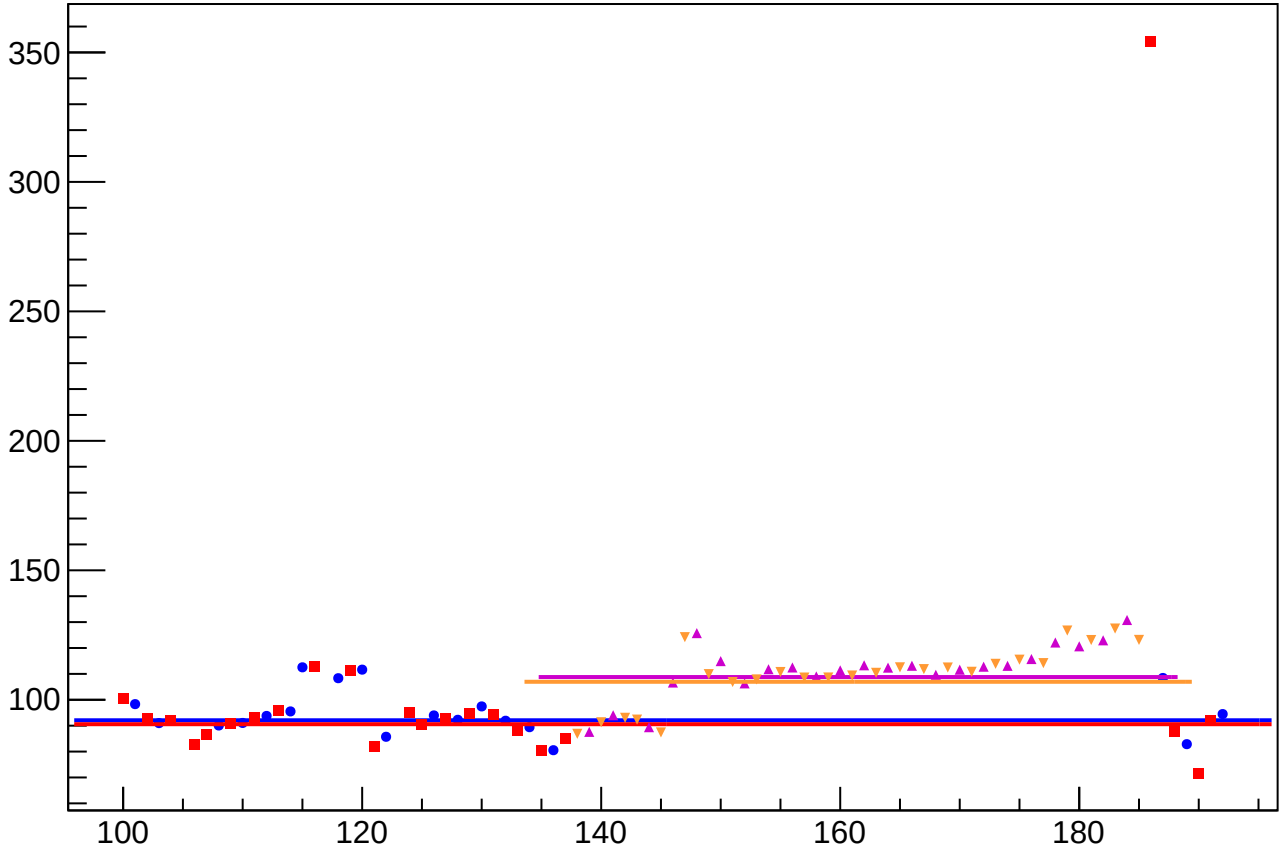
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -109.837+/-19.183 χ^2/NDF: 78.0/43

All: -7.193+/-13.656 χ^2/NDF: 189.8/89

- sign 98.274+/-19.445 χ^2/NDF: 53.8/45

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.087+/-0.022 χ^2/NDF: 129975.1/18

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

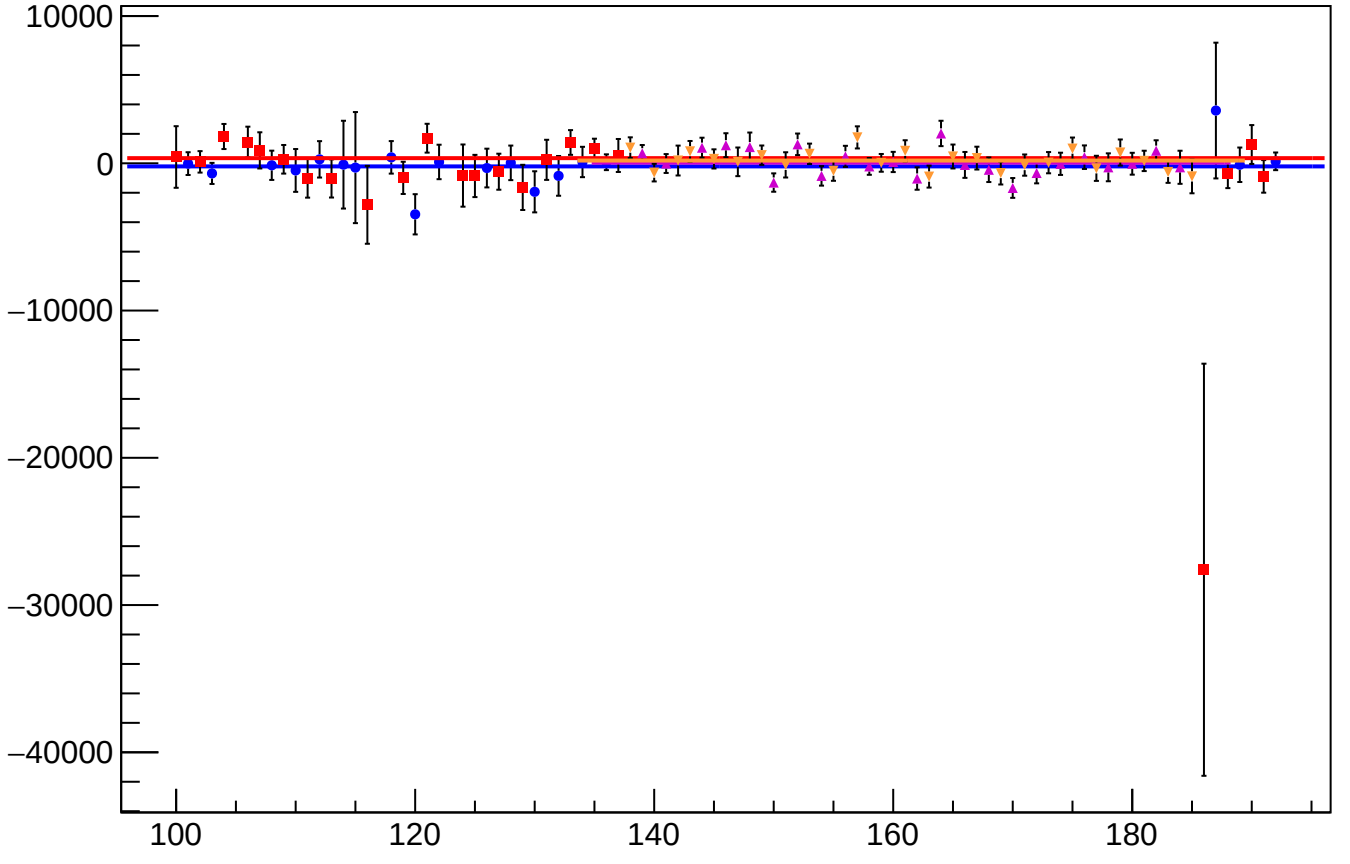
Right Out: 90.567+/-0.021 χ^2/NDF: 604785.6/22

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 101.237+/-0.014 χ^2/NDF: 878556.8/43

All: 101.183+/-0.010 χ^2/NDF: 2269296.0/89

- sign 101.127+/-0.014 χ^2/NDF: 1390706.7/45



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

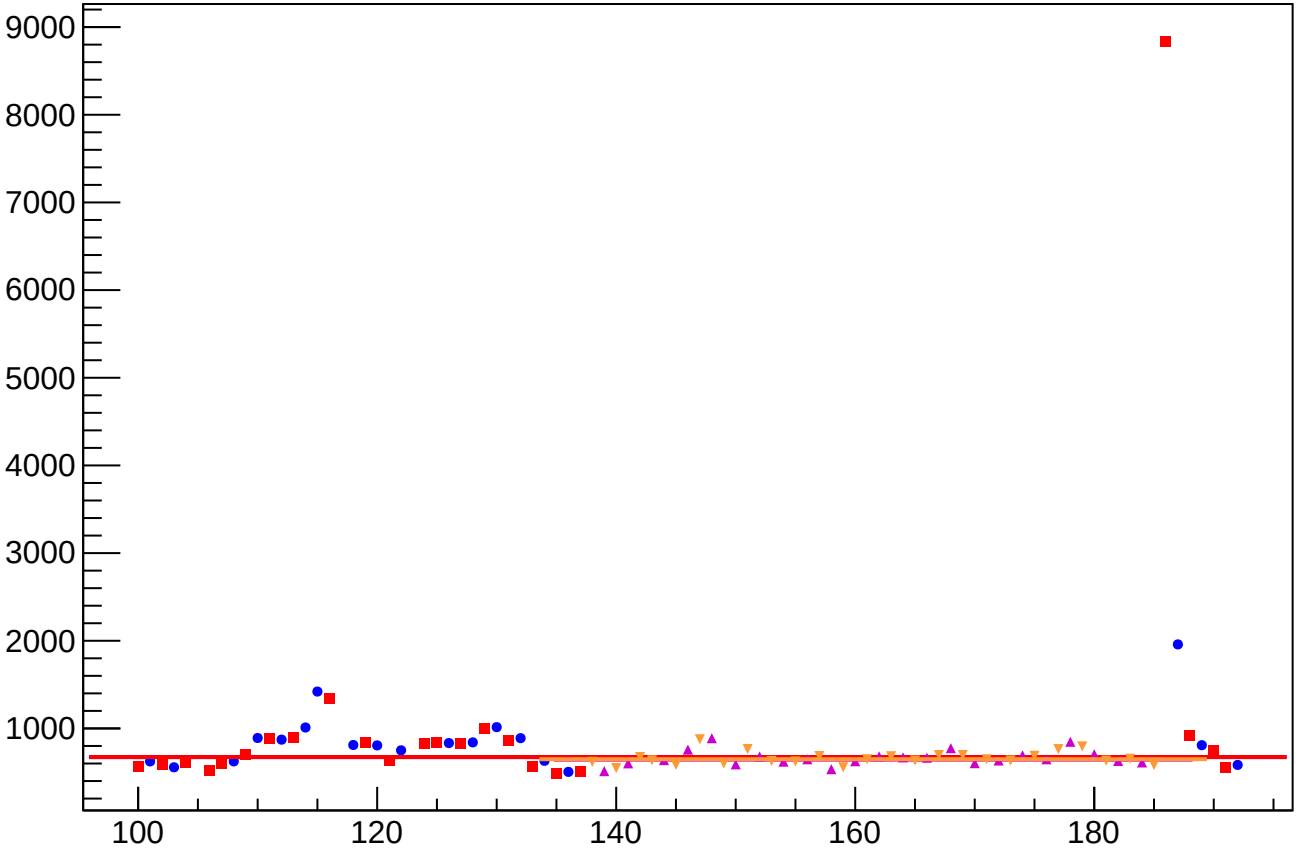
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 71.568+/-125.452 χ^2/NDF: 31.0/43

All: 102.917+/-89.331 χ^2/NDF: 90.3/89

- sign 135.162+/-127.233 χ^2/NDF: 59.1/45

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



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

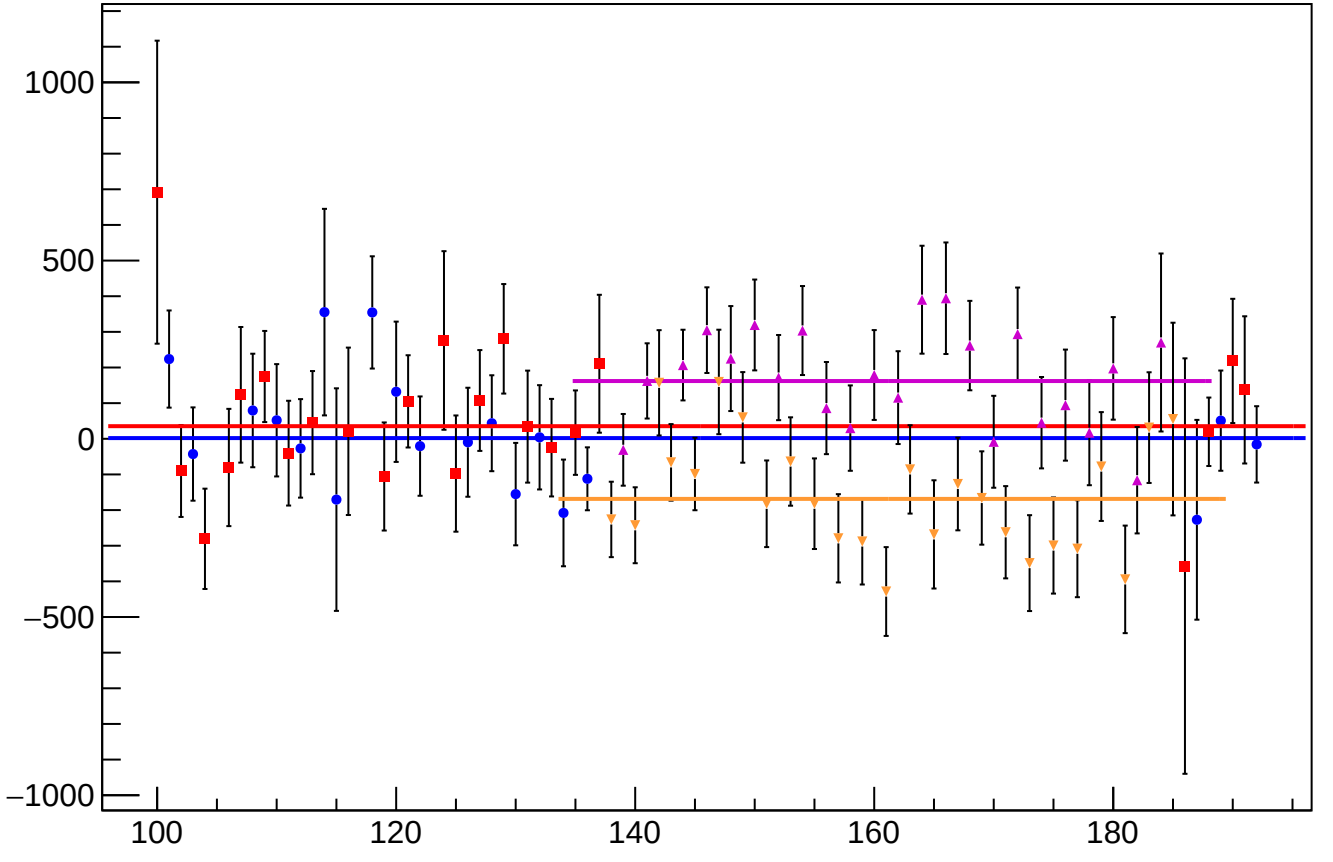
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 656.090+/-0.089 χ^2/NDF: 1429037.0/43

All: 654.575+/-0.063 χ^2/NDF: 3659251.4/89

- sign 653.017+/-0.090 χ^2/NDF: 2229623.1/45

dit_asym_sam_15_dd_mean vs Slug



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

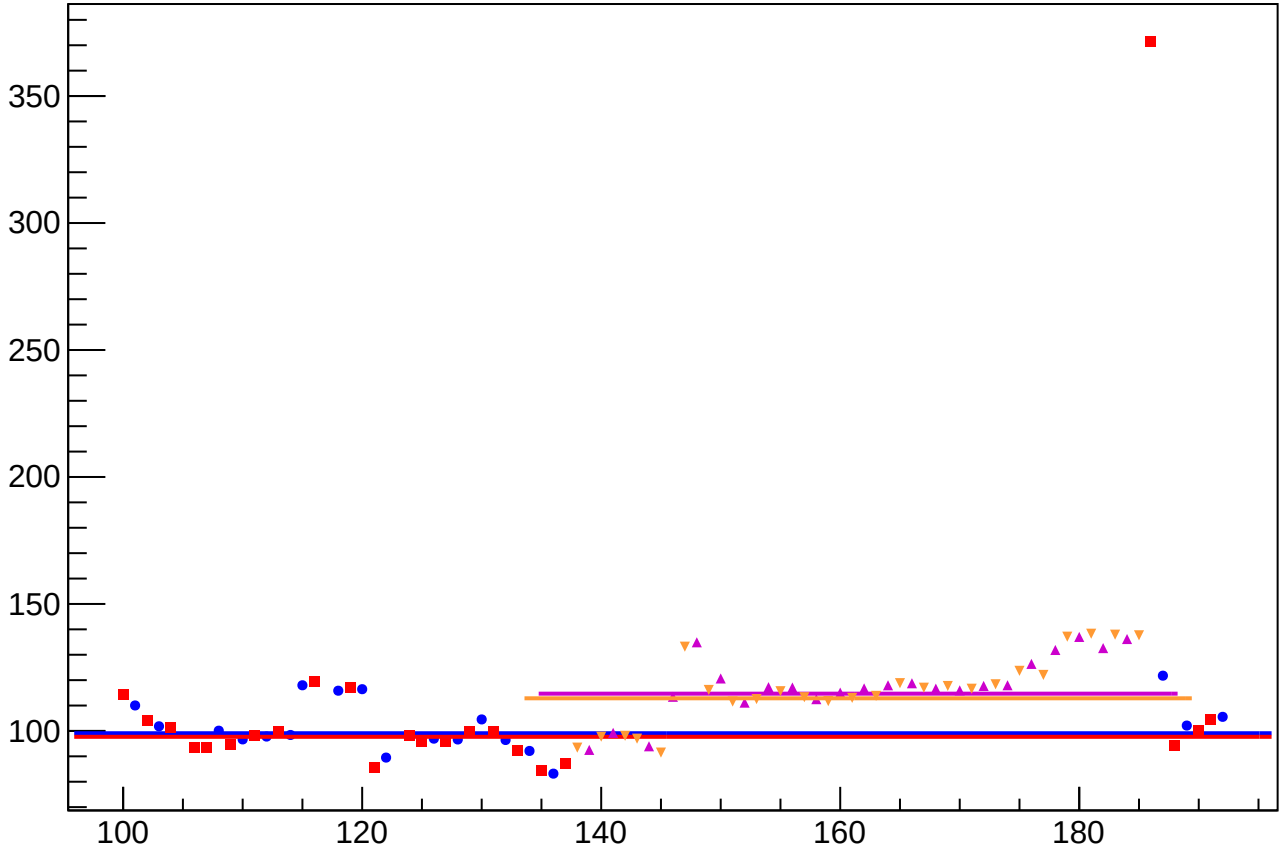
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -104.624+/-20.409 χ^2/NDF: 64.9/43

All: 1.270+/-14.524 χ^2/NDF: 171.1/89

- sign 109.919+/-20.673 χ^2/NDF: 51.6/45

dit_asym_sam_15_dd_rms vs Slug



Right In: 99.094+/-0.024 χ^2/NDF: 164614.4/18

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

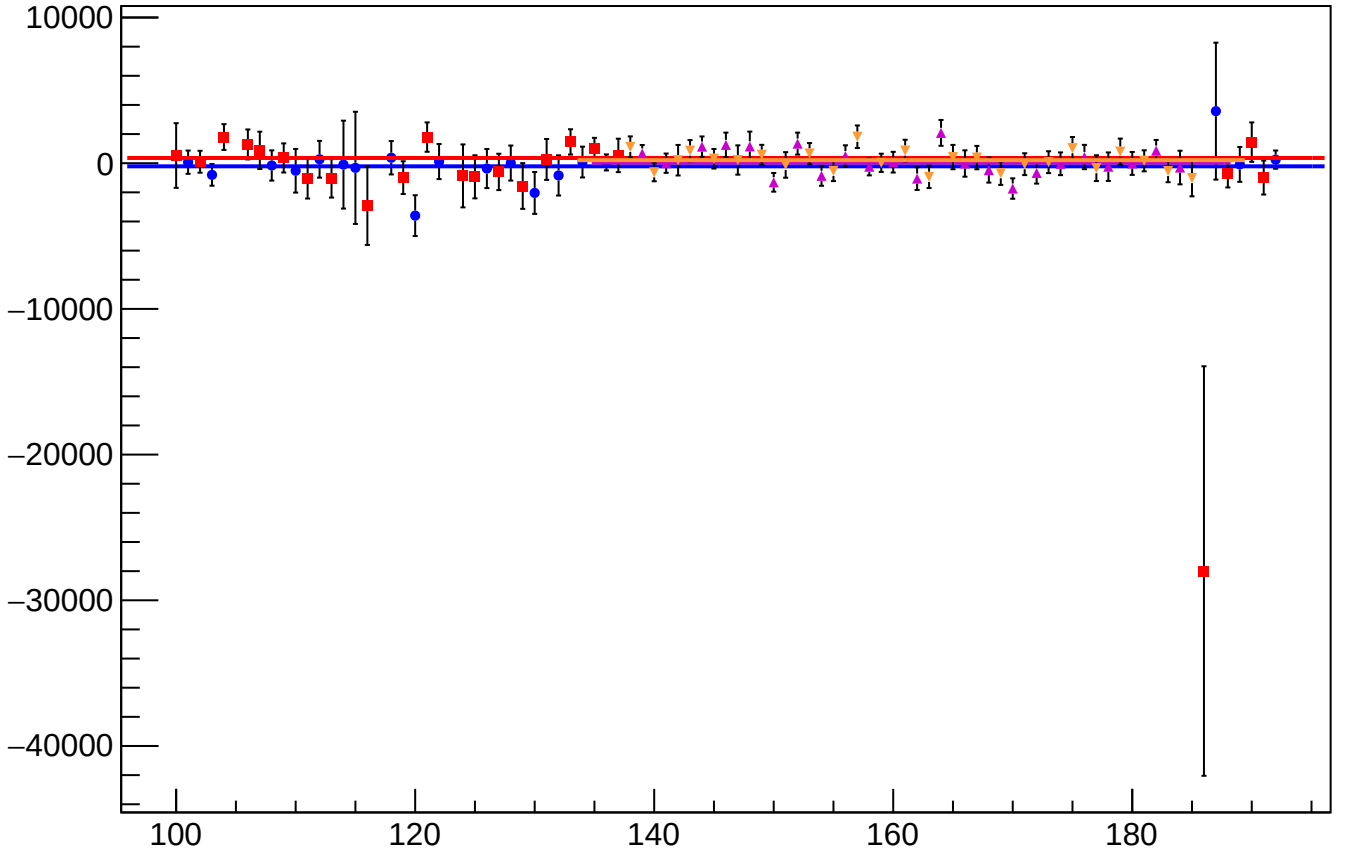
Right Out: 97.686+/-0.023 χ^2/NDF: 562751.5/22

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 107.689+/-0.014 χ^2/NDF: 889840.0/43

All: 107.687+/-0.010 χ^2/NDF: 2189700.6/89

- sign 107.686+/-0.015 χ^2/NDF: 1299860.6/45



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

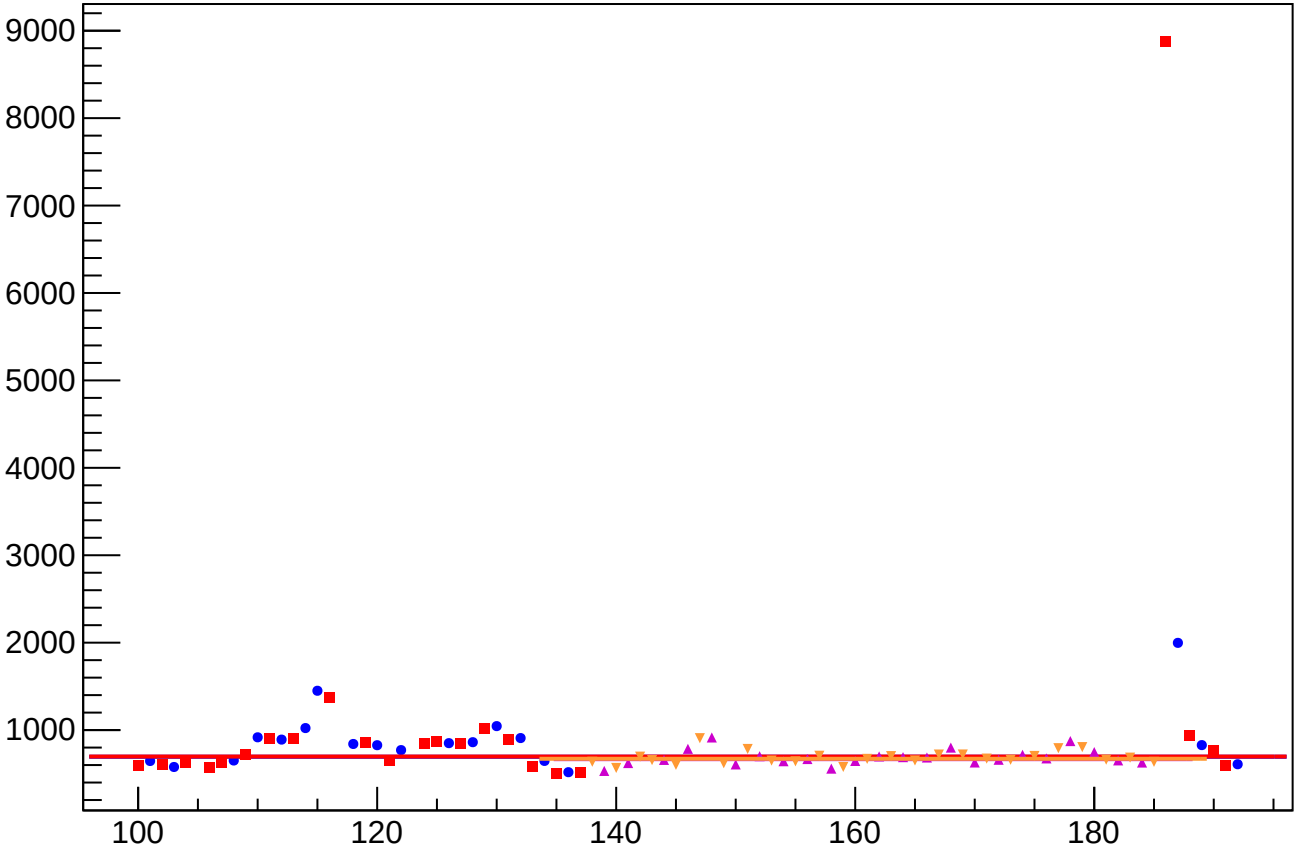
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 86.602+/-129.656 χ^2/NDF: 31.6/43

All: 114.894+/-92.330 χ^2/NDF: 90.0/89

- sign 144.002+/-131.514 χ^2/NDF: 58.3/45

asym_sam_15_dd_dit_correction_rms vs Slug



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

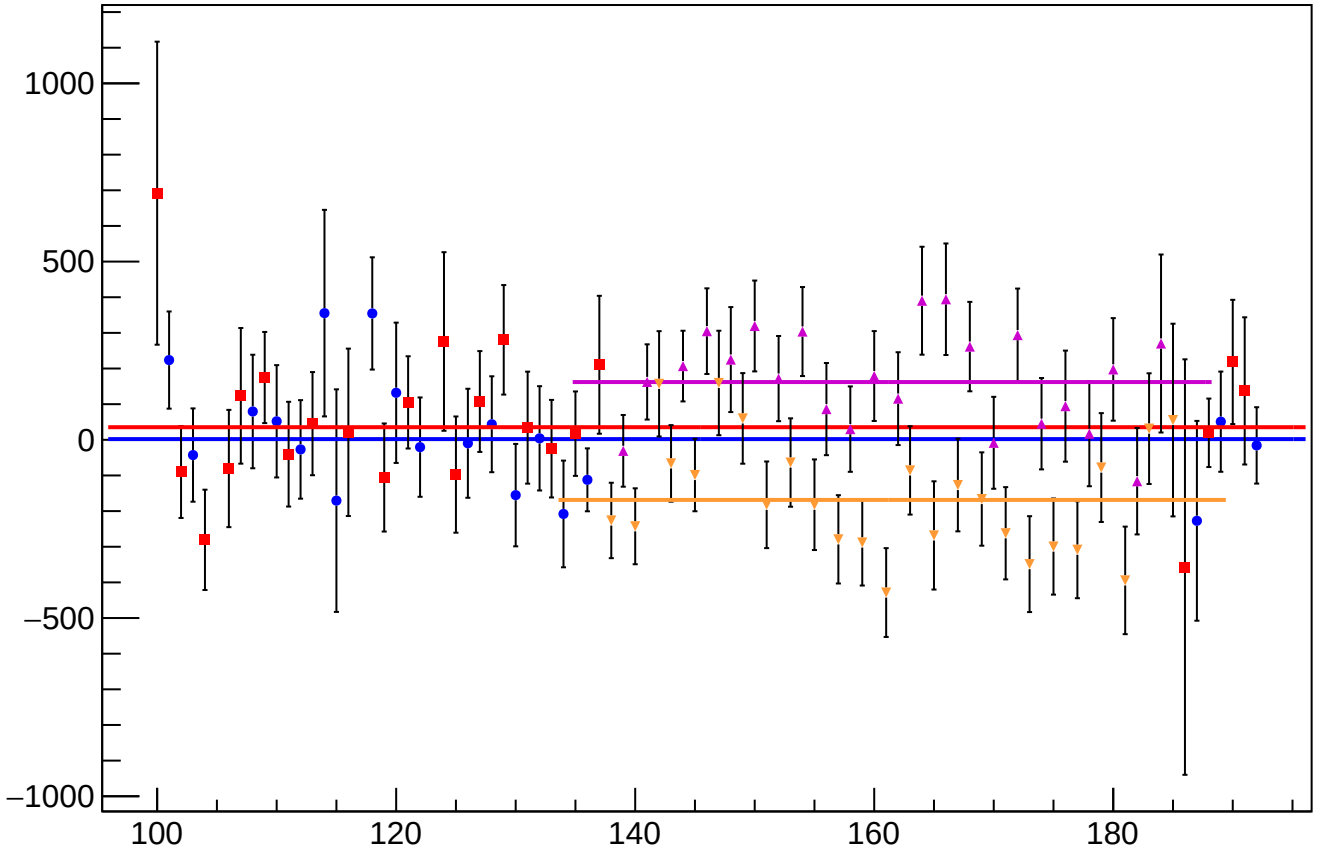
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 678.601+/-0.092 χ^2/NDF: 1382865.4/43

All: 677.512+/-0.065 χ^2/NDF: 3545015.0/89

- sign 676.392+/-0.093 χ^2/NDF: 2161863.4/45

eigen_dit_asym_sam_15_dd_mean vs Slug



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

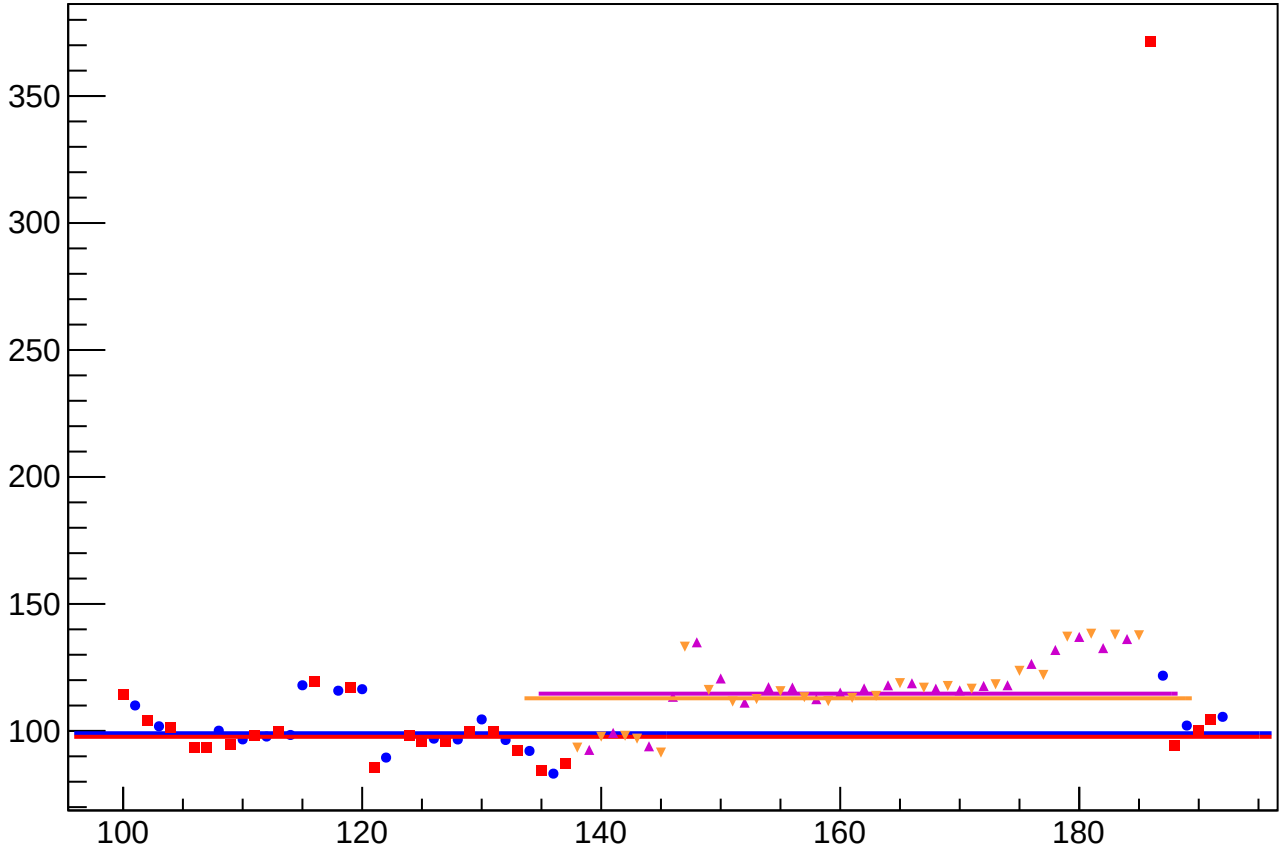
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -104.624+/-20.409 χ^2/NDF: 64.9/43

All: 1.270+/-14.524 χ^2/NDF: 171.1/89

- sign 109.919+/-20.673 χ^2/NDF: 51.6/45

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 99.094+/-0.024 χ^2/NDF: 164617.8/18

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

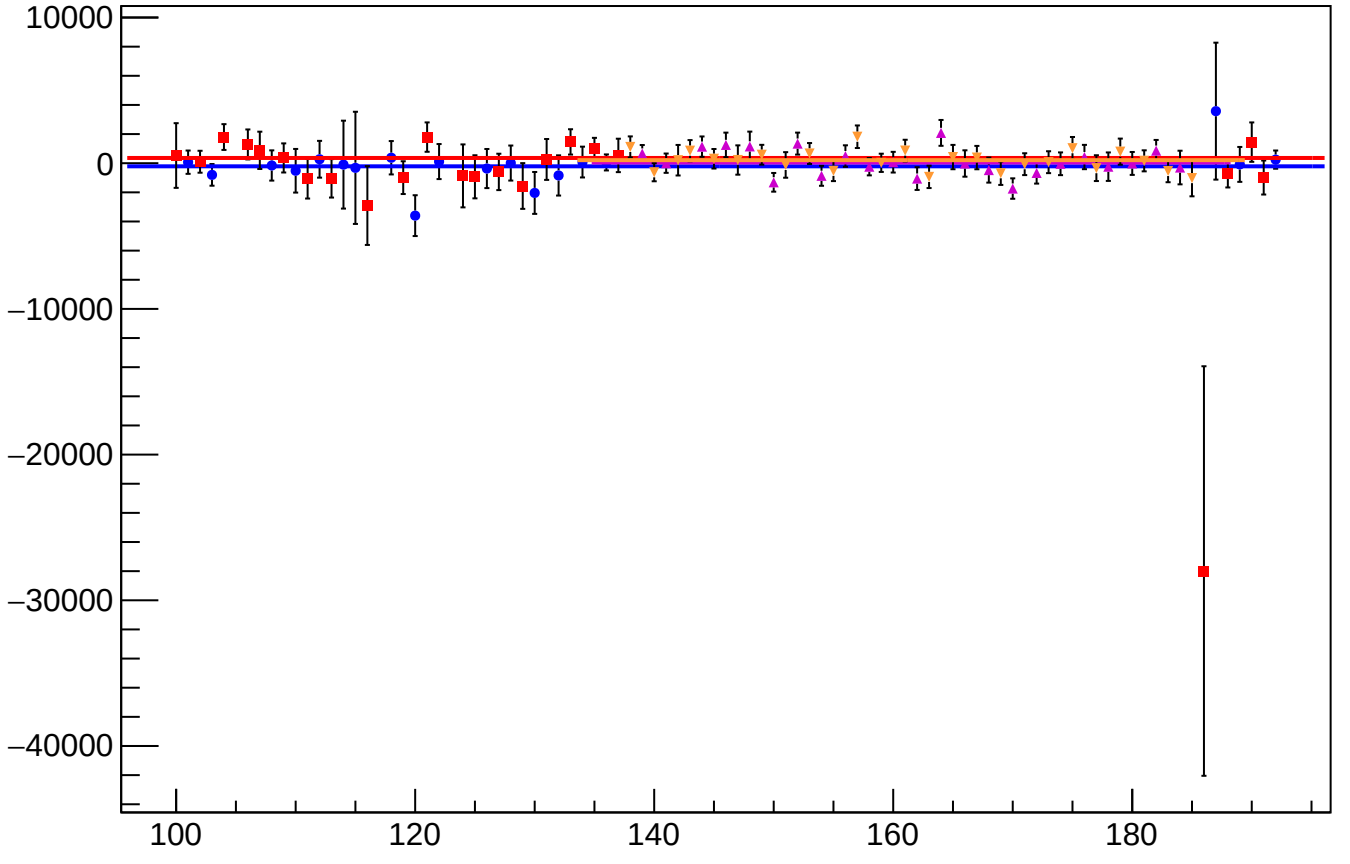
Right Out: 97.686+/-0.023 χ^2/NDF: 562749.5/22

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 107.689+/-0.014 χ^2/NDF: 889843.5/43

All: 107.687+/-0.010 χ^2/NDF: 2189712.0/89

- sign 107.686+/-0.015 χ^2/NDF: 1299868.5/45



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

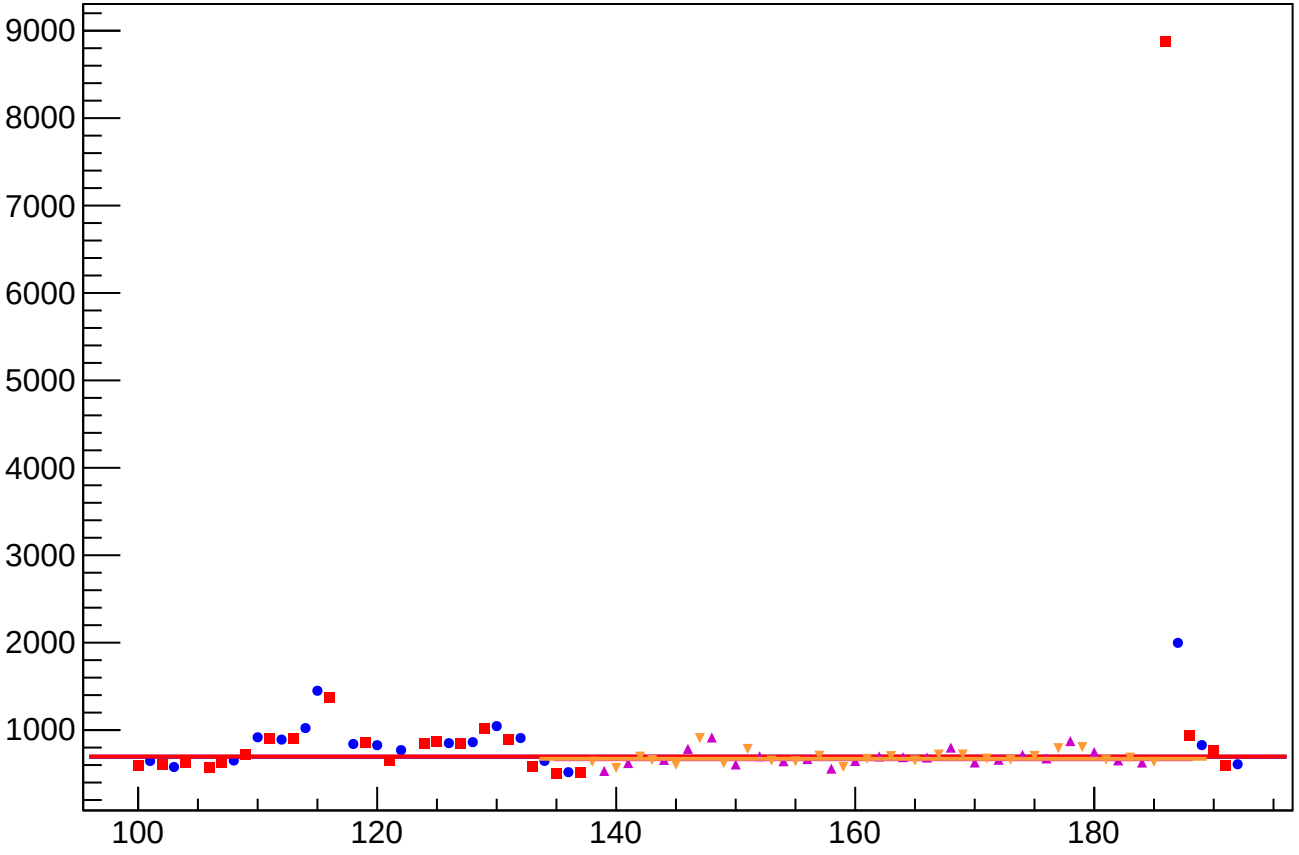
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 86.601+/-129.656 χ^2/NDF: 31.6/43

All: 114.894+/-92.330 χ^2/NDF: 90.0/89

- sign 144.003+/-131.514 χ^2/NDF: 58.3/45

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



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

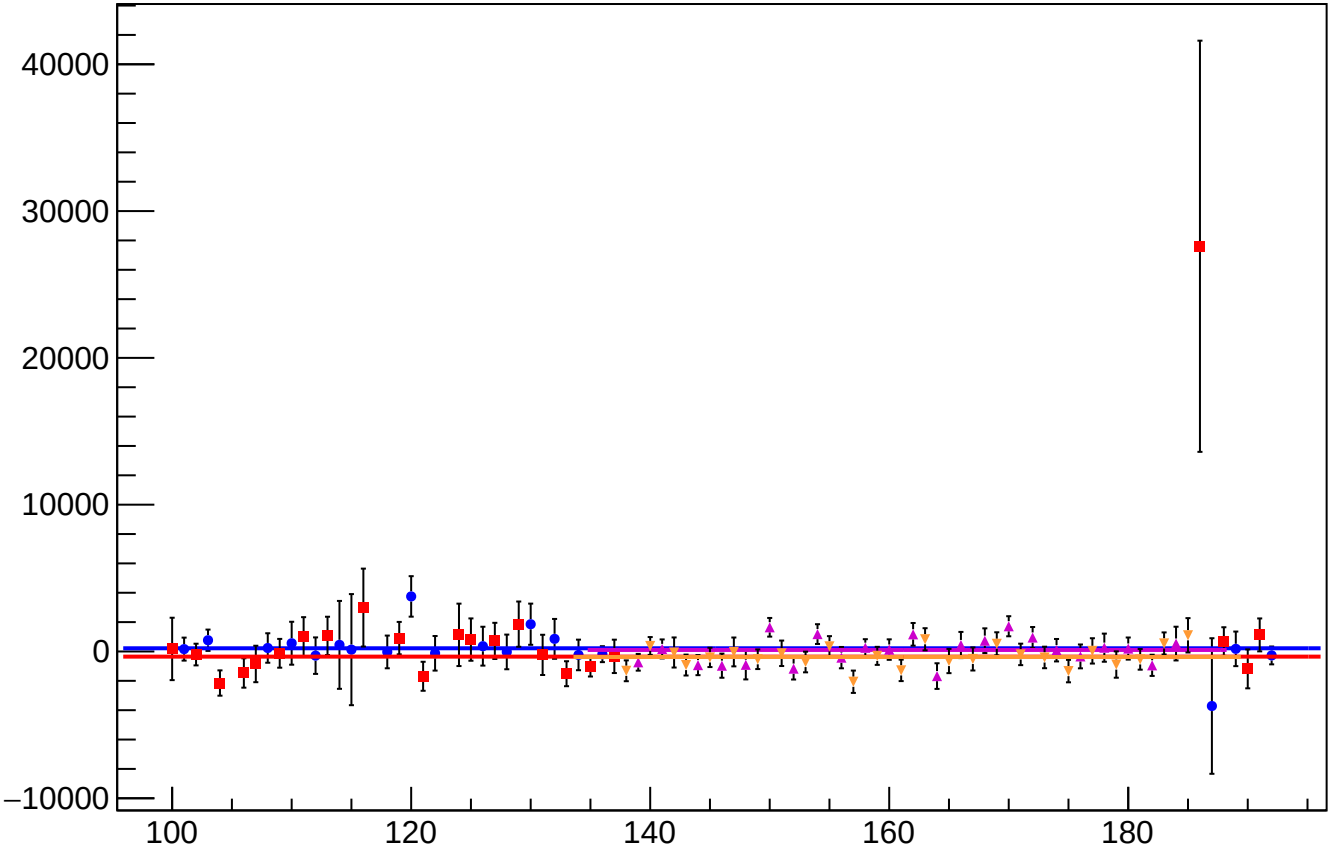
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 678.601+/-0.092 χ^2/NDF: 1382866.9/43

All: 677.512+/-0.065 χ^2/NDF: 3545022.4/89

- sign 676.392+/-0.093 χ^2/NDF: 2161869.1/45

asym_sam_15_dd_mean vs Slug



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

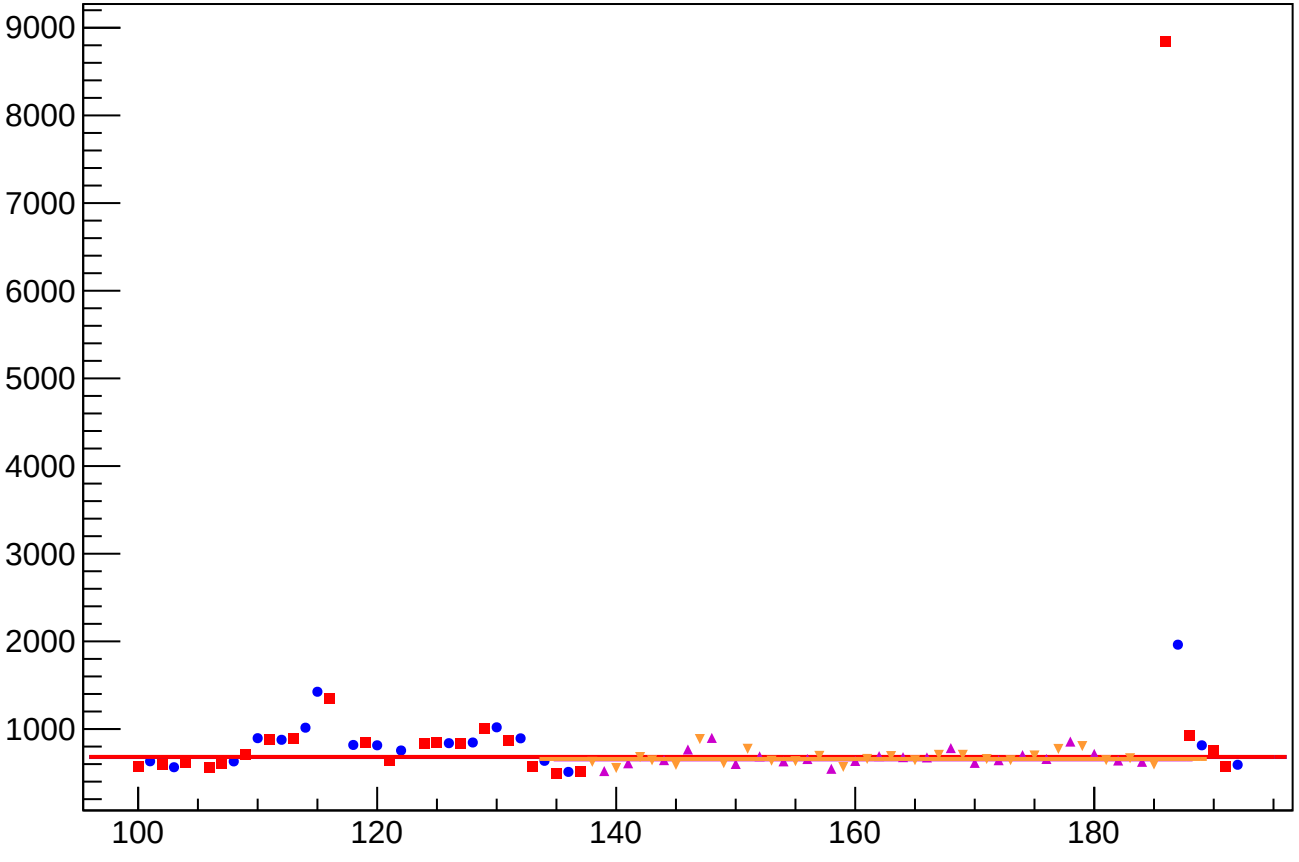
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -204.123+/-127.112 χ^2/NDF: 37.2/43

All: -120.415+/-90.487 χ^2/NDF: 103.1/89

- sign -34.413+/-128.842 χ^2/NDF: 65.0/45

asym_sam_15_dd_rms vs Slug



Right In: 680.692+/-0.167 χ^2/NDF: 972508.8/18

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

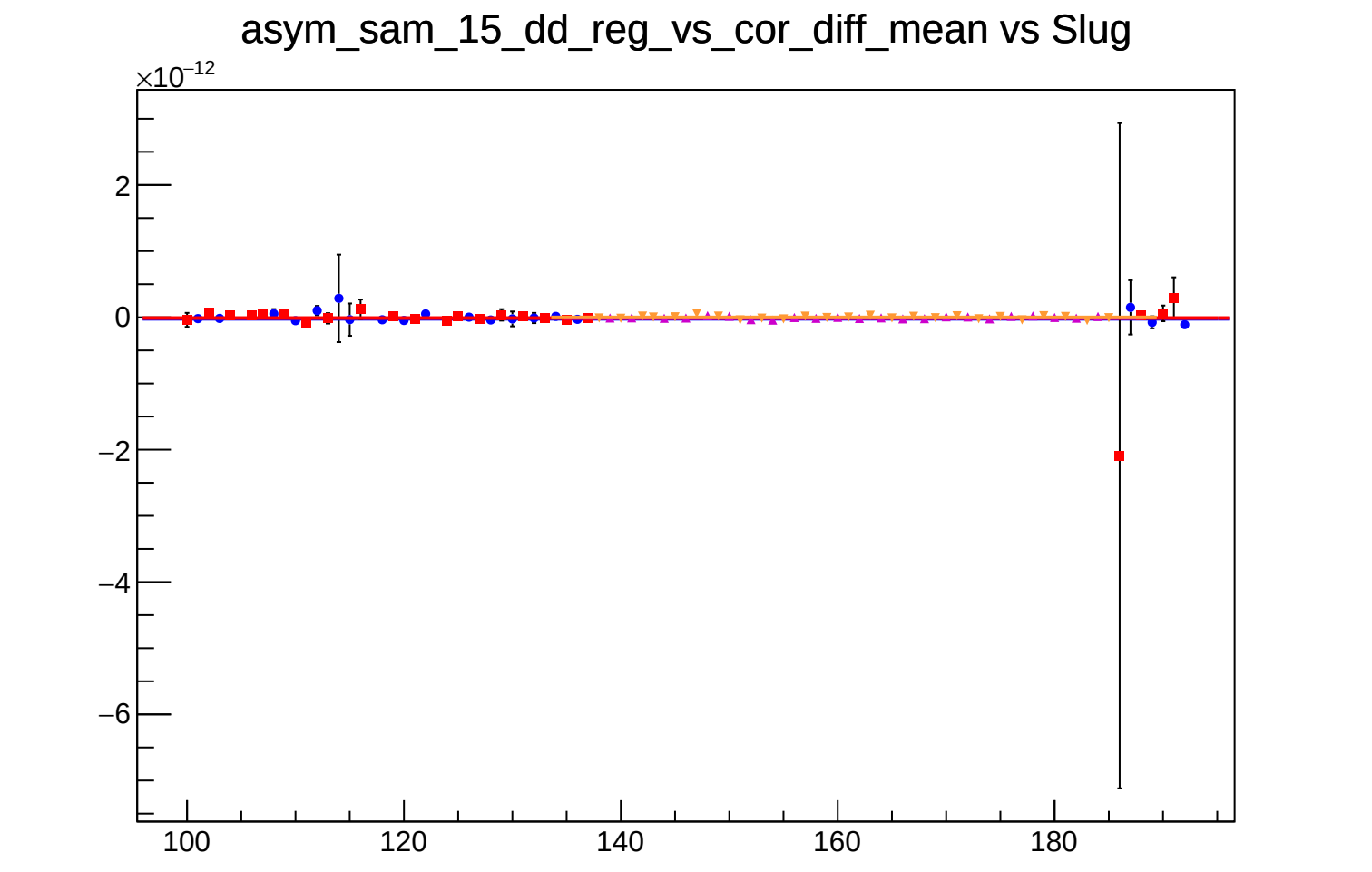
Right Out: 682.086+/-0.165 χ^2/NDF: 1611658.3/22

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 665.078+/-0.090 χ^2/NDF: 1394574.2/43

All: 663.795+/-0.064 χ^2/NDF: 3568869.5/89

- sign 662.478+/-0.091 χ^2/NDF: 2173882.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 12.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

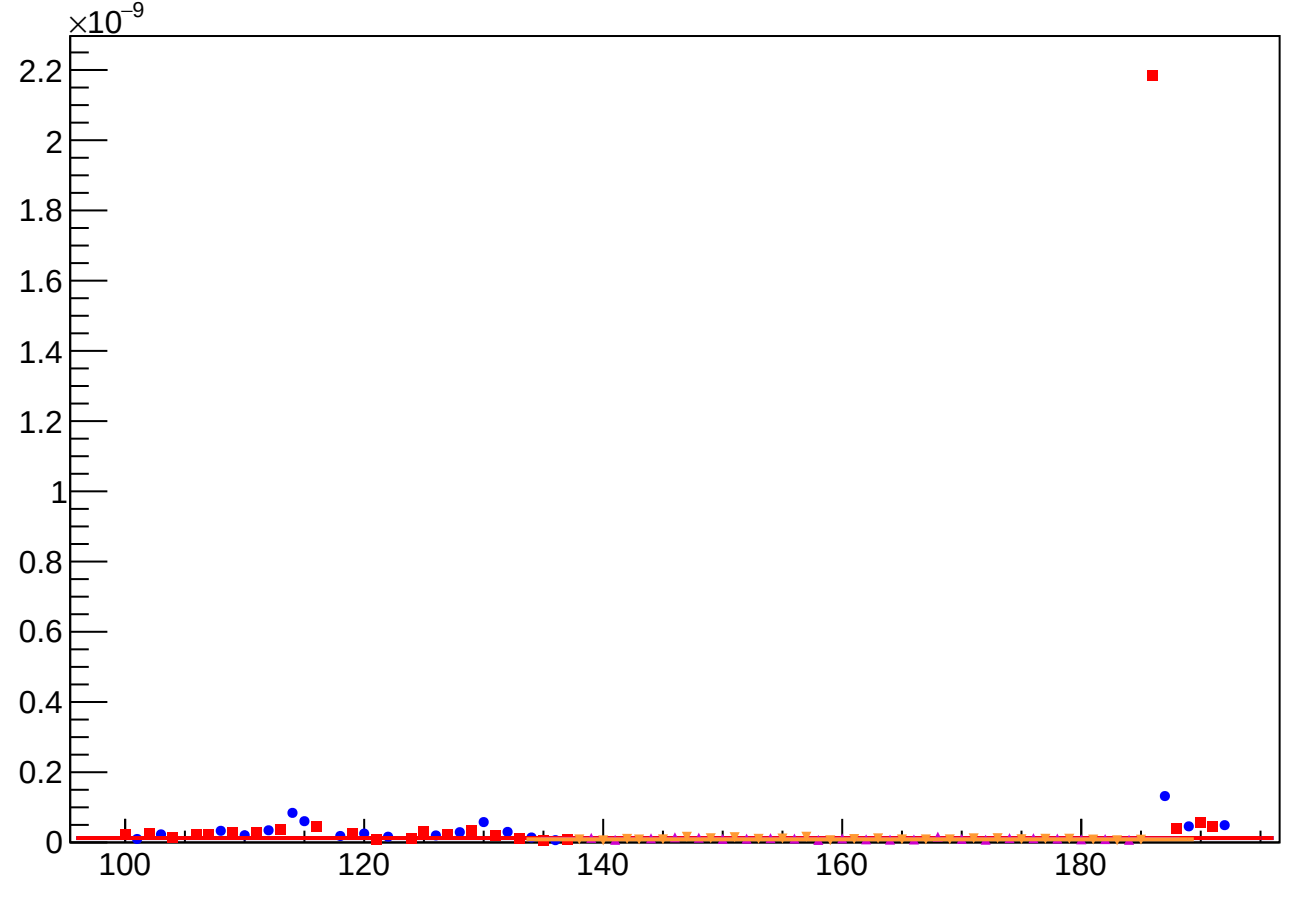
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/22

Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.7/43

All: -0.000+/-0.000 χ^2/NDF: 85.1/89

- sign -0.000+/-0.000 χ^2/NDF: 34.9/45



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

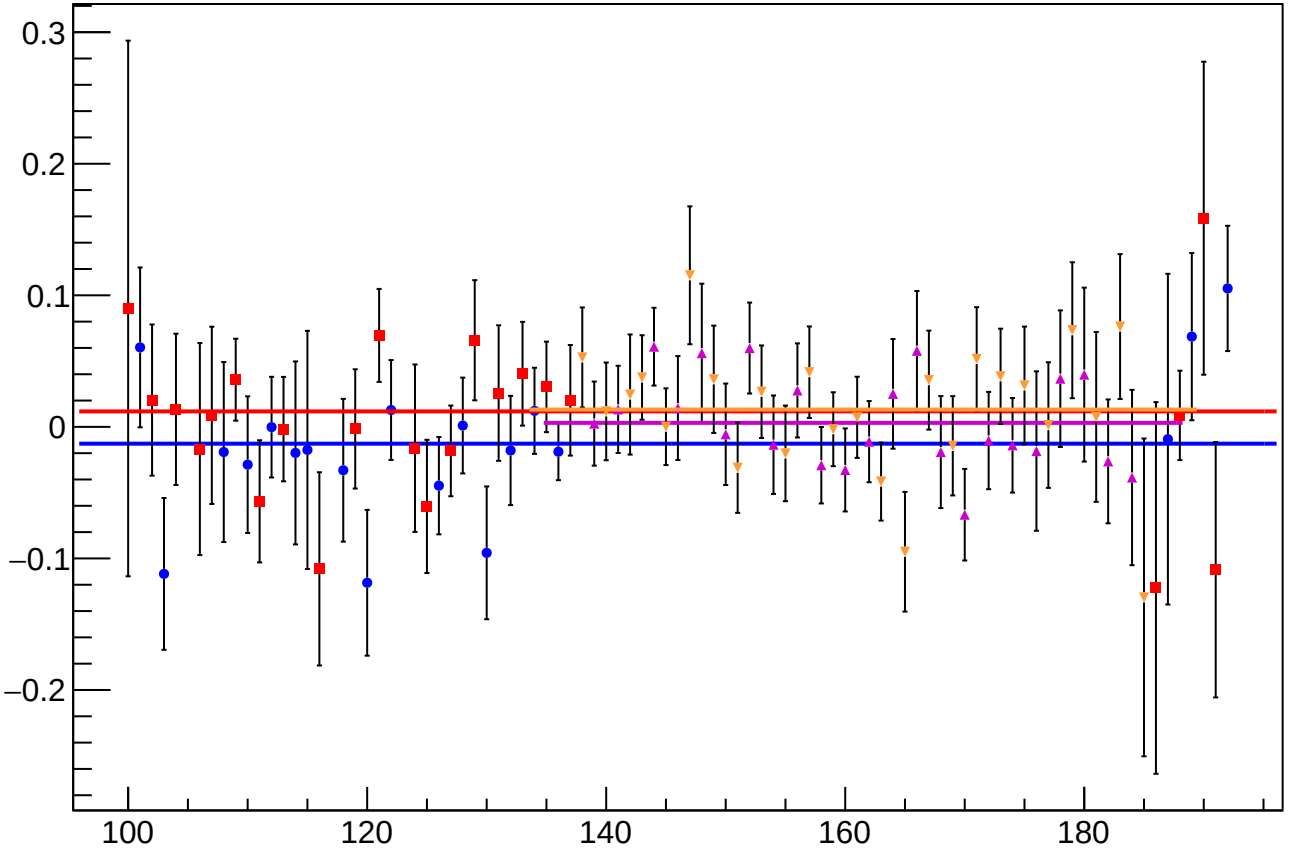
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4580395.5/43

All: 0.000+/-0.000 χ^2/NDF: 8779173.8/89

- sign 0.000+/-0.000 χ^2/NDF: 4083580.0/45

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



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

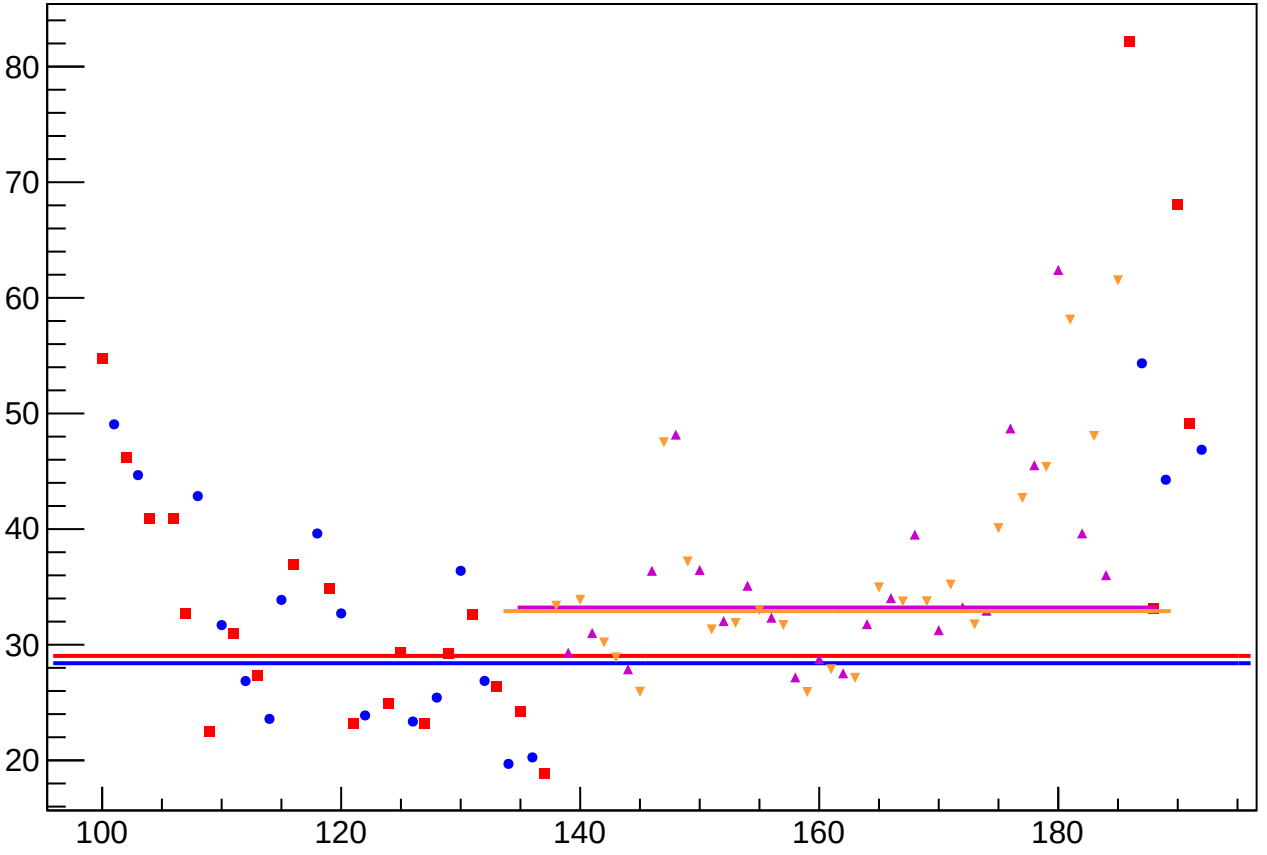
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.004+/-0.006 χ^2/NDF: 50.4/43

All: 0.005+/-0.004 χ^2/NDF: 88.1/89

- sign 0.006+/-0.006 χ^2/NDF: 37.6/45

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.400+/-0.007 χ^2/NDF: 1672643.8/18

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

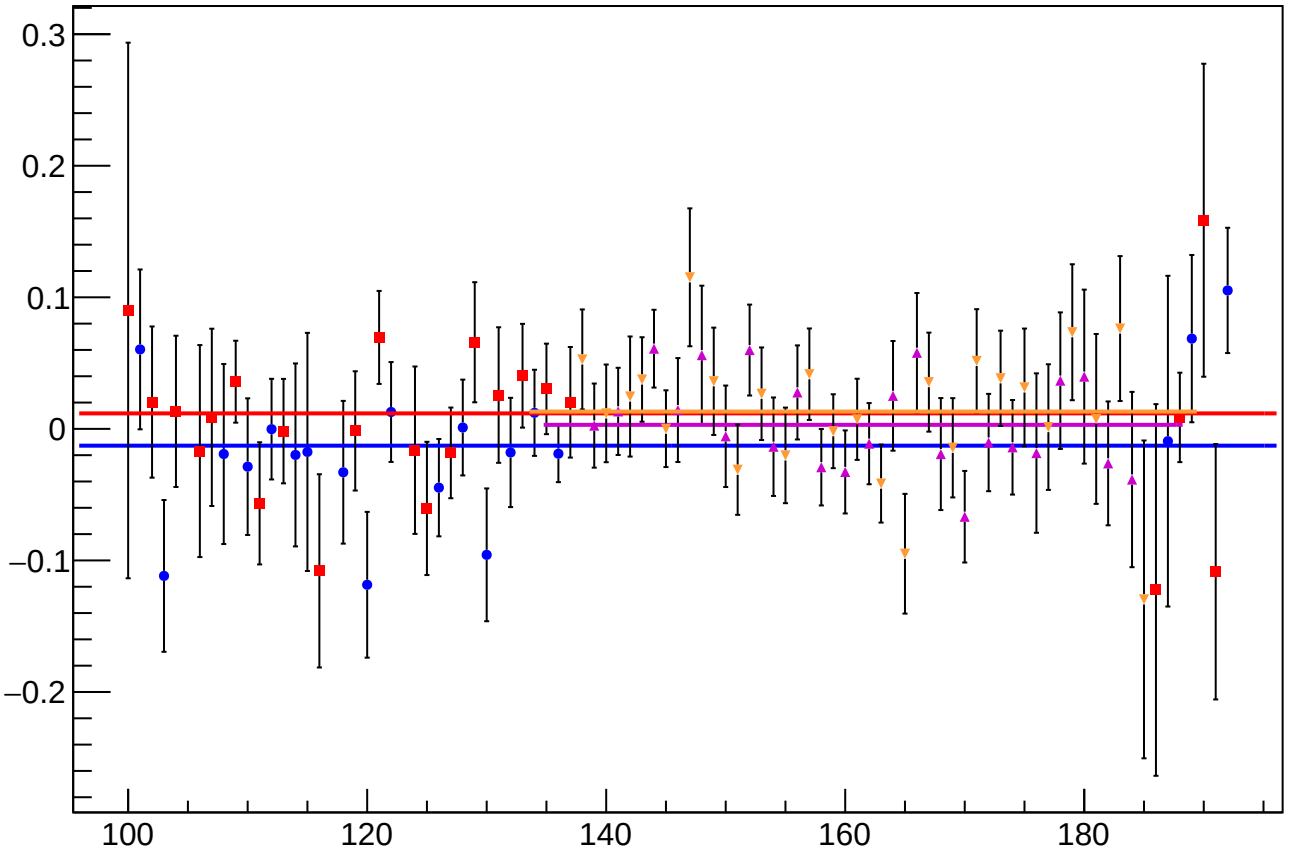
Right Out: 29.035+/-0.007 χ^2/NDF: 1402891.4/22

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 31.256+/-0.004 χ^2/NDF: 3352995.5/43

All: 31.418+/-0.003 χ^2/NDF: 6195402.6/89

\- sign 31.585+/-0.004 χ^2/NDF: 2839559.2/45



Right In: -0.013+/-0.010 χ^2/NDF: 20.9/18

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

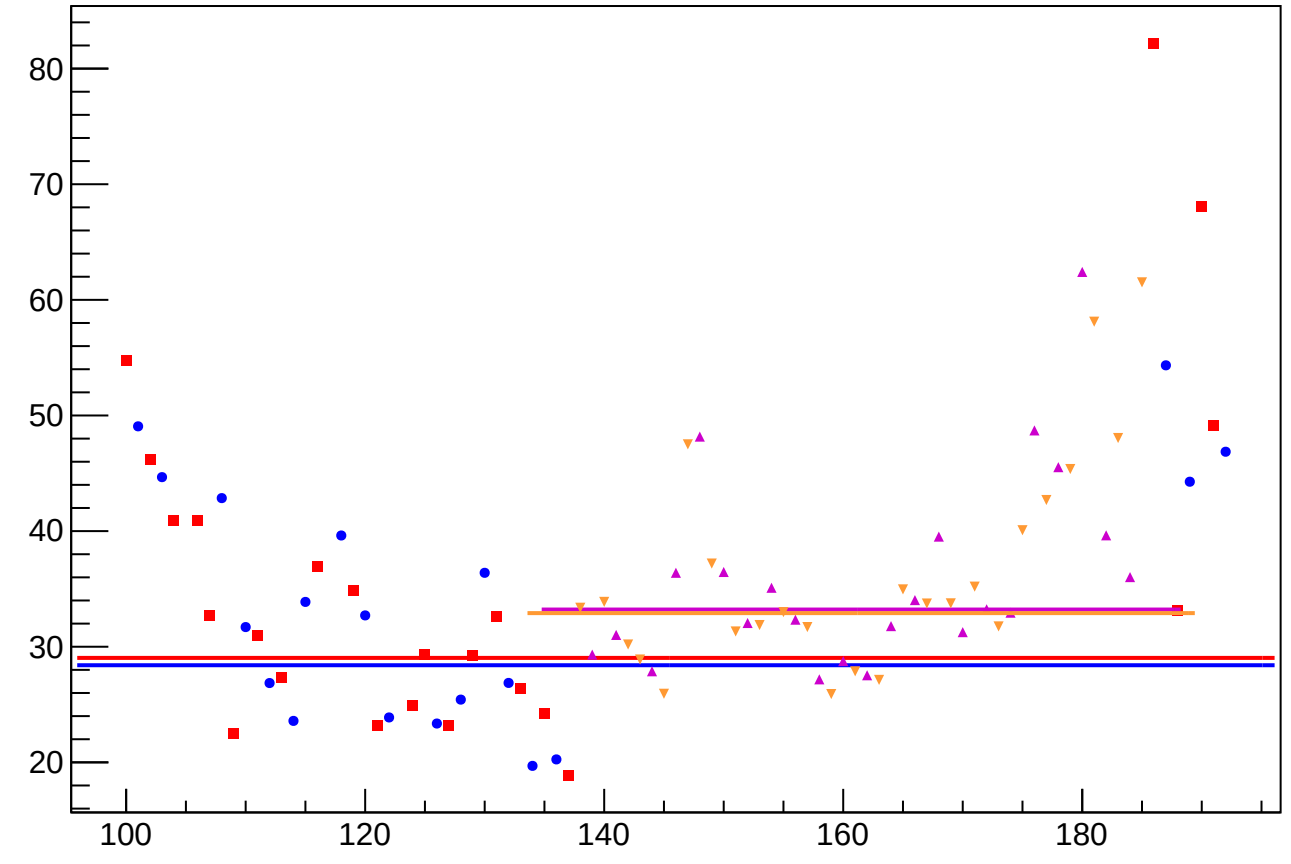
Right Out: 0.012+/-0.010 χ^2/NDF: 17.9/22

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.004+/-0.006 χ^2/NDF: 50.4/43

All: 0.005+/-0.004 χ^2/NDF: 88.1/89

- sign 0.006+/-0.006 χ^2/NDF: 37.6/45



Right In: 28.400+/-0.007 χ^2/NDF: 1672643.8/18

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

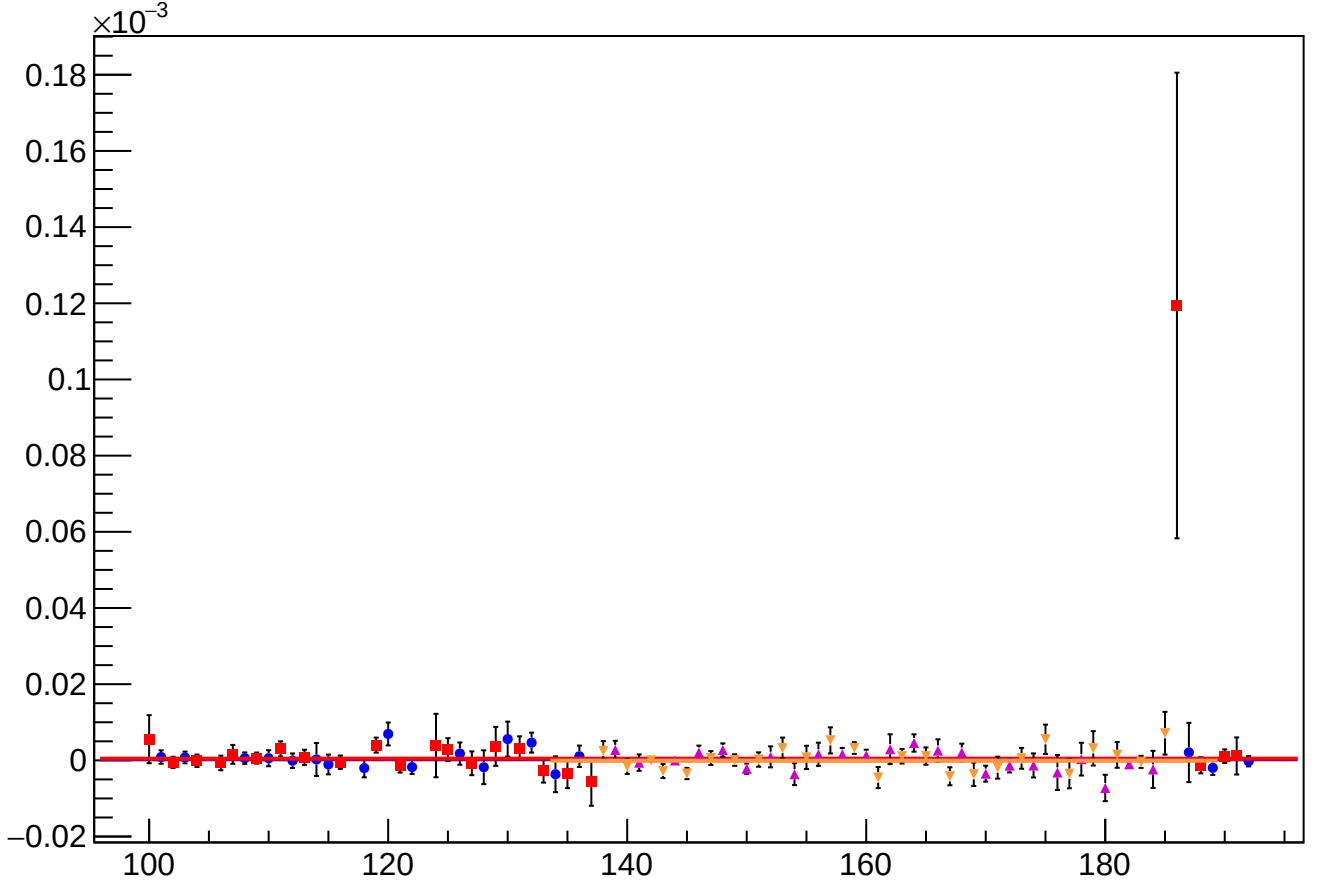
Right Out: 29.035+/-0.007 χ^2/NDF: 1402891.4/22

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 31.256+/-0.004 χ^2/NDF: 3352995.5/43

All: 31.418+/-0.003 χ^2/NDF: 6195402.6/89

- sign 31.585+/-0.004 χ^2/NDF: 2839559.2/45



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

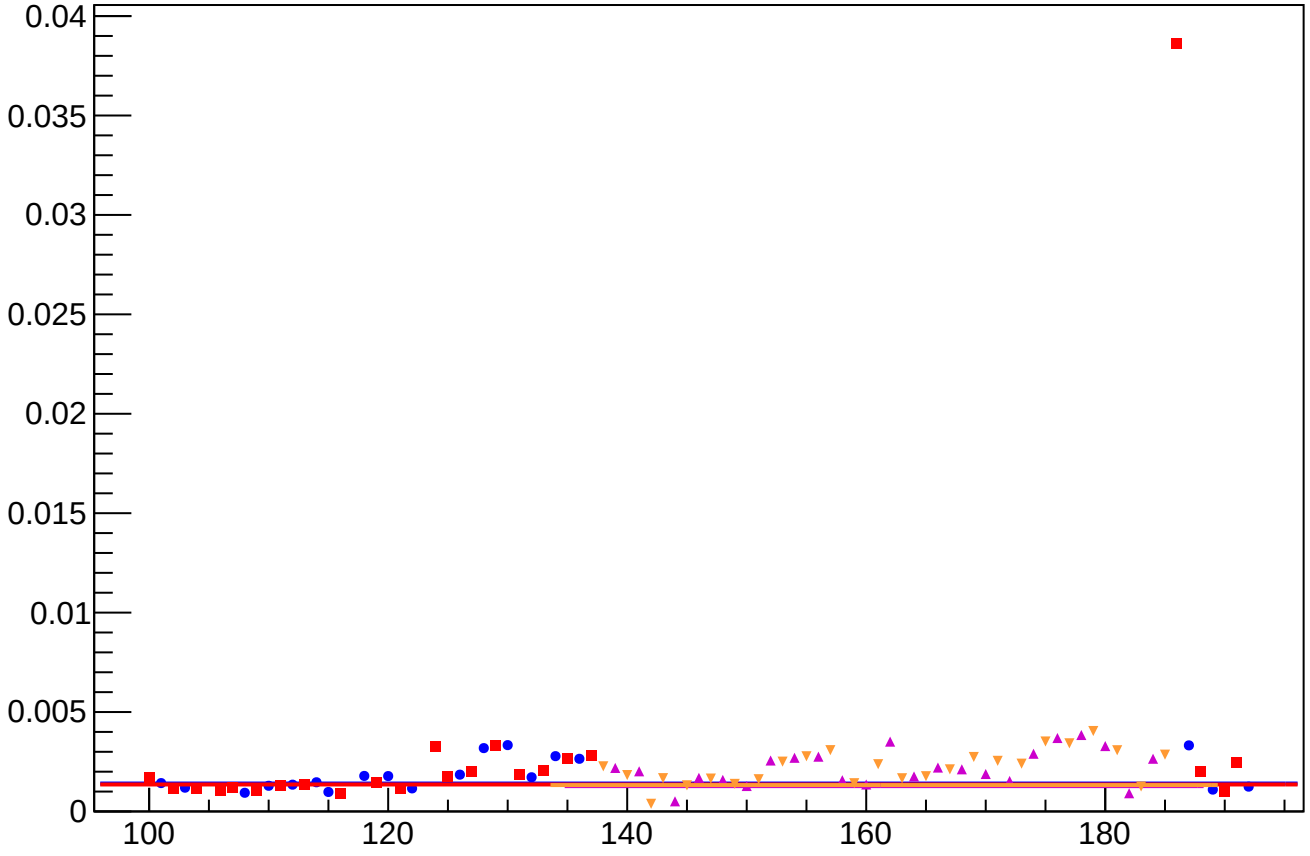
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.0/43

All: 0.000+/-0.000 χ^2/NDF: 91.4/89

- sign 0.000+/-0.000 χ^2/NDF: 45.3/45

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 1927095.8/18

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

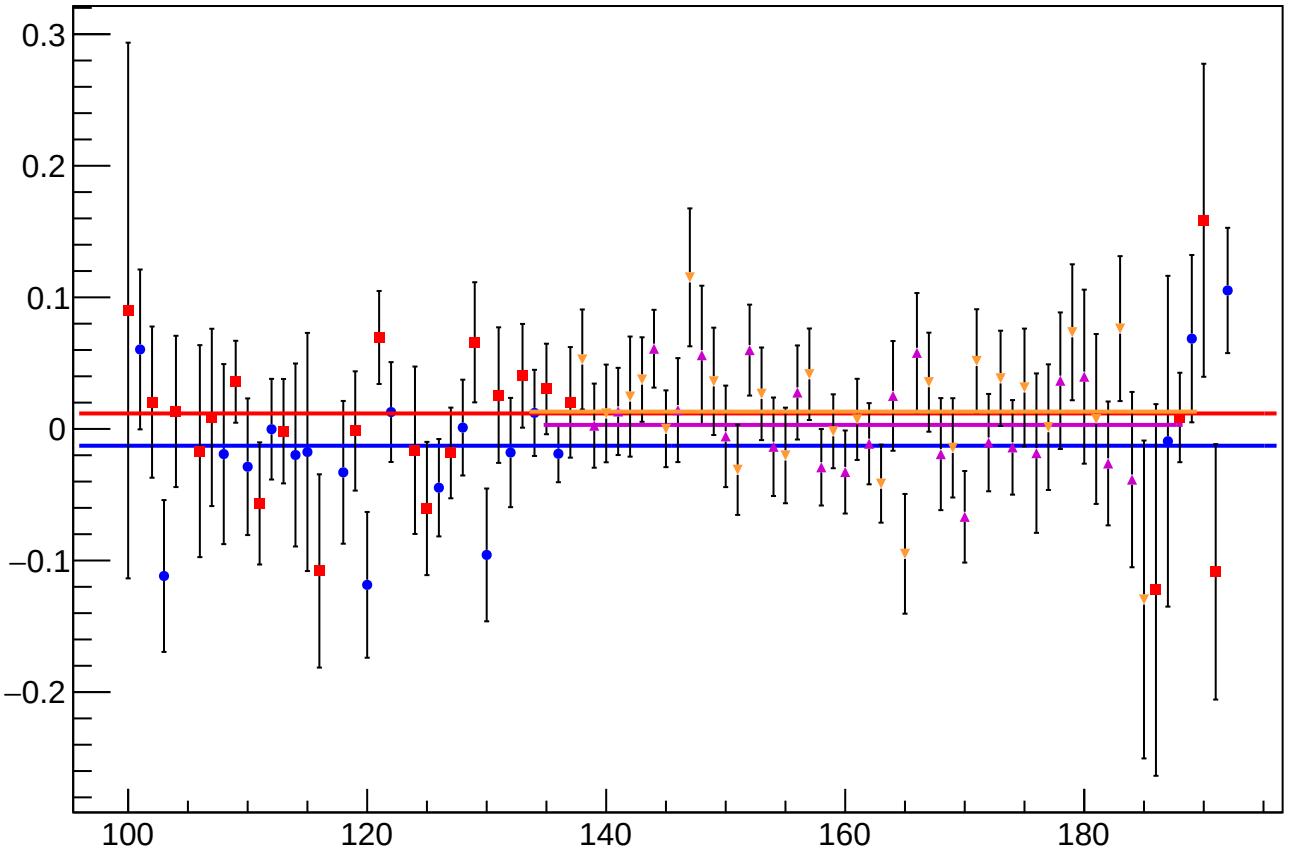
Right Out: 0.001+/-0.000 χ^2/NDF: 2532602.9/22

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 13117675.8/43

All: 0.001+/-0.000 χ^2/NDF: 25596549.6/89

- sign 0.001+/-0.000 χ^2/NDF: 12449209.6/45



Right In: -0.013+/-0.010 χ^2/NDF: 20.9/18

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

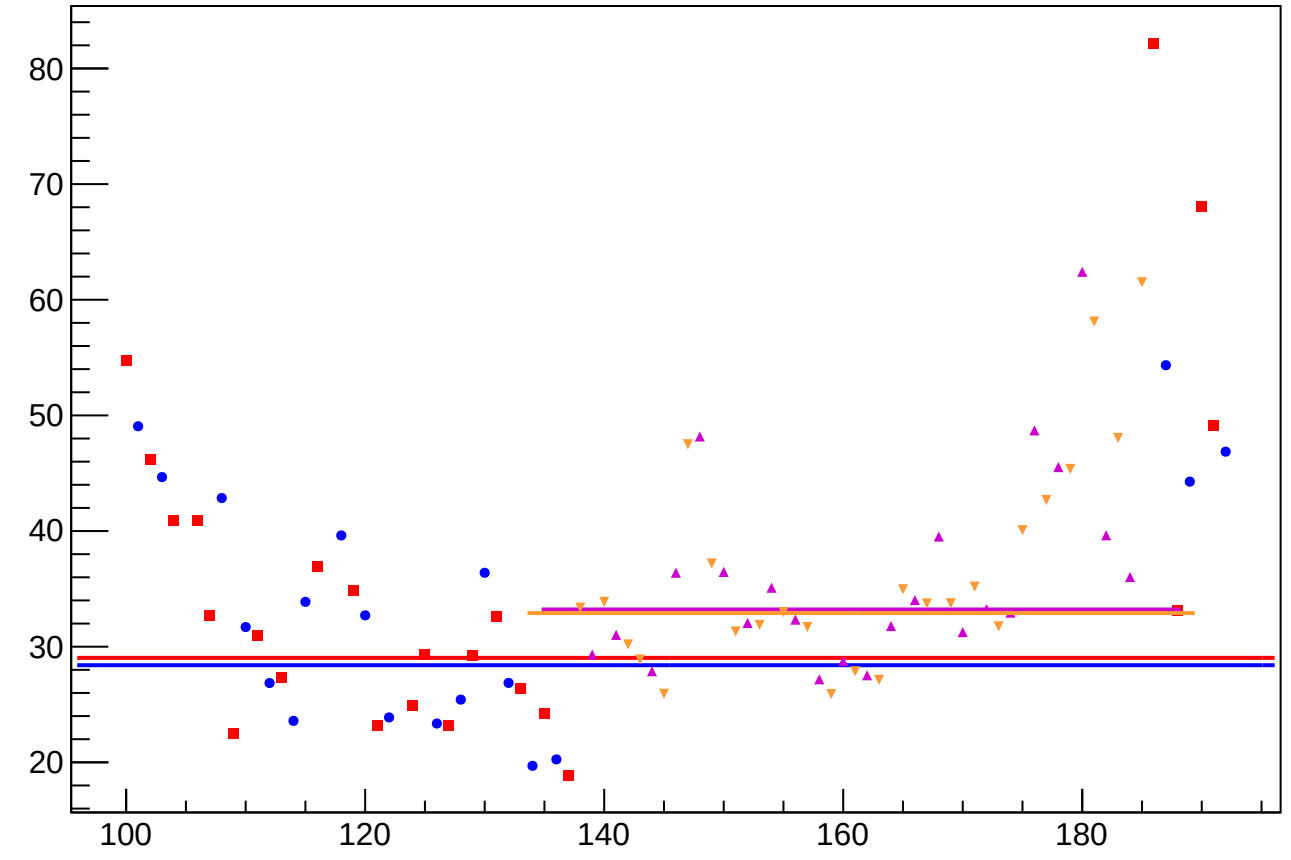
Right Out: 0.012+/-0.010 χ^2/NDF: 17.9/22

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.004+/-0.006 χ^2/NDF: 50.4/43

All: 0.005+/-0.004 χ^2/NDF: 88.1/89

- sign 0.006+/-0.006 χ^2/NDF: 37.6/45



Right In: 28.400+/-0.007 χ^2/NDF: 1672746.5/18

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

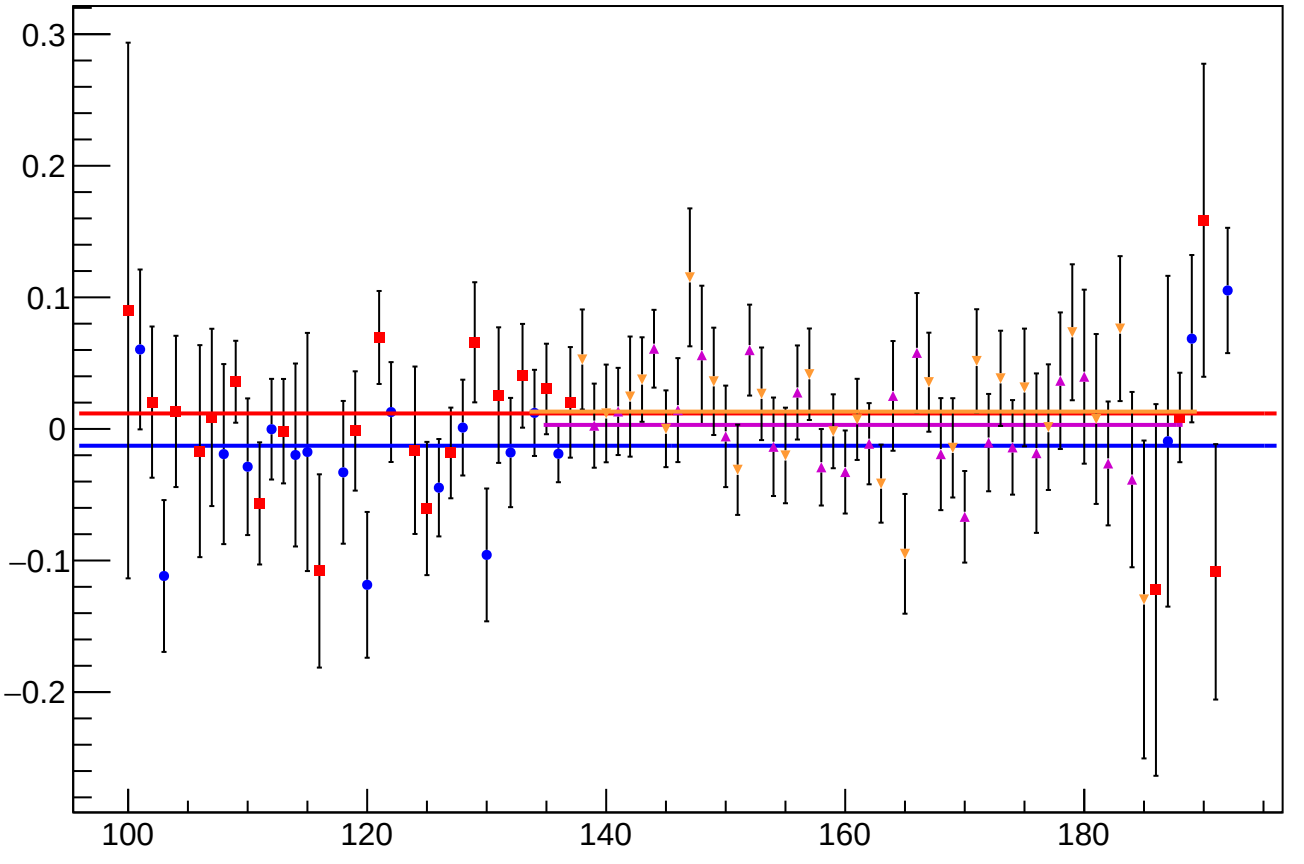
Right Out: 29.033+/-0.007 χ^2/NDF: 1403010.7/22

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.256+/-0.004 χ^2/NDF: 3353266.0/43

All: 31.417+/-0.003 χ^2/NDF: 6195998.3/89

- sign 31.584+/-0.004 χ^2/NDF: 2839886.4/45



Right In: -0.013+/-0.010 χ^2/NDF: 20.9/18

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

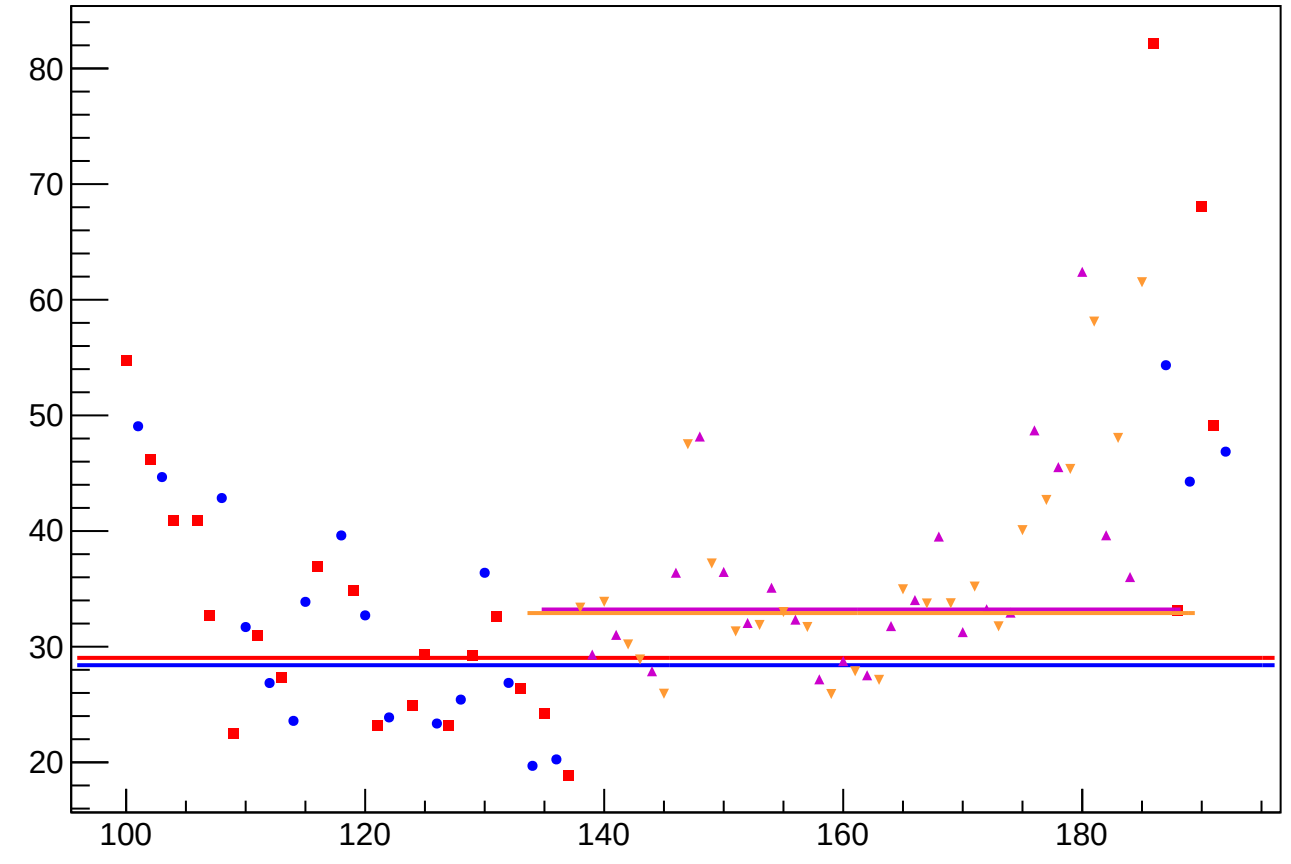
Right Out: 0.012+/-0.010 χ^2/NDF: 17.9/22

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

\+ sign 0.004+/-0.006 χ^2/NDF: 50.4/43

All: 0.005+/-0.004 χ^2/NDF: 88.1/89

\- sign 0.006+/-0.006 χ^2/NDF: 37.6/45



Right In: 28.400+/-0.007 χ^2/NDF: 1672746.5/18

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

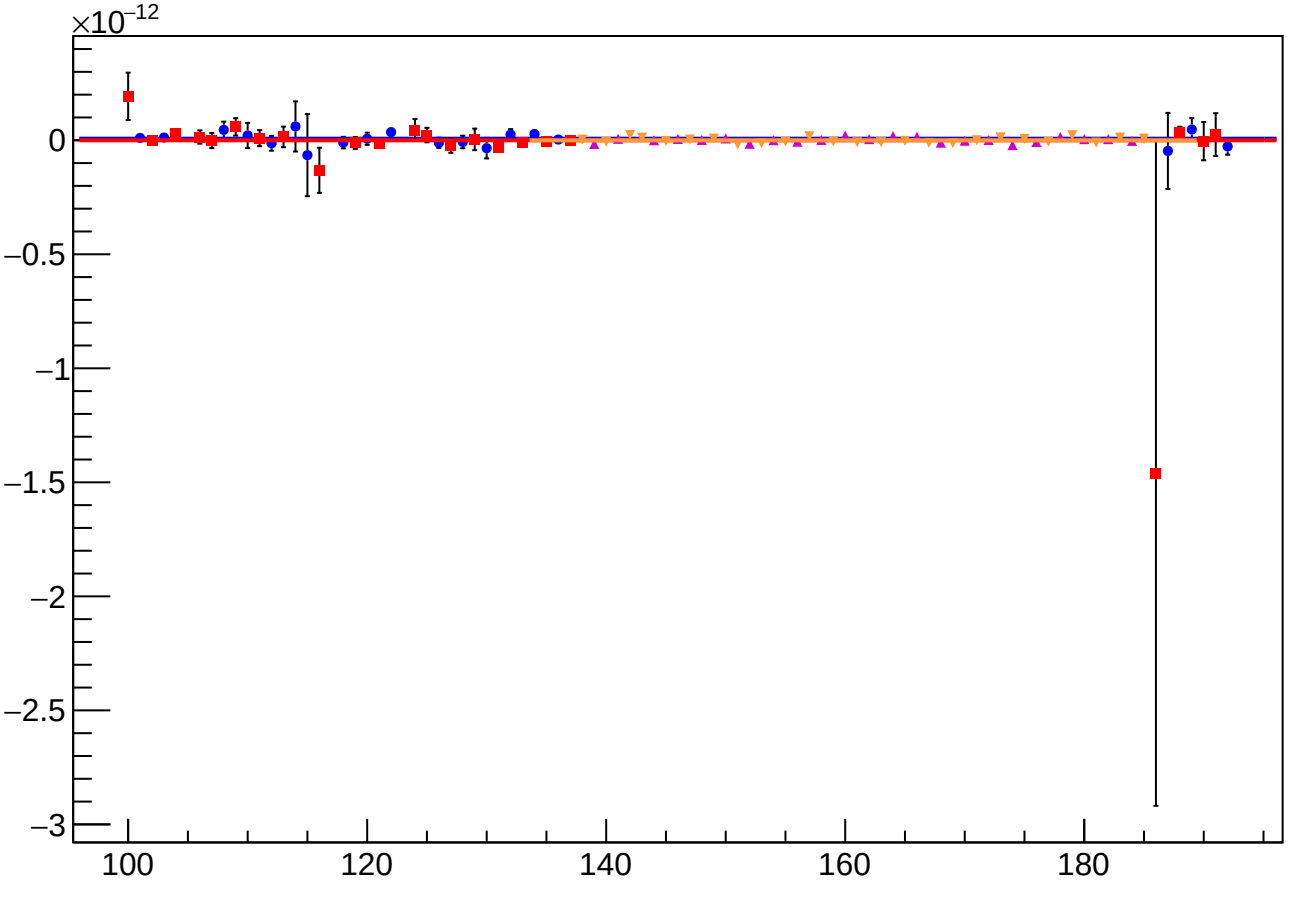
Right Out: 29.033+/-0.007 χ^2/NDF: 1403010.7/22

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.256+/-0.004 χ^2/NDF: 3353266.0/43

All: 31.417+/-0.003 χ^2/NDF: 6195998.3/89

- sign 31.584+/-0.004 χ^2/NDF: 2839886.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 9.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

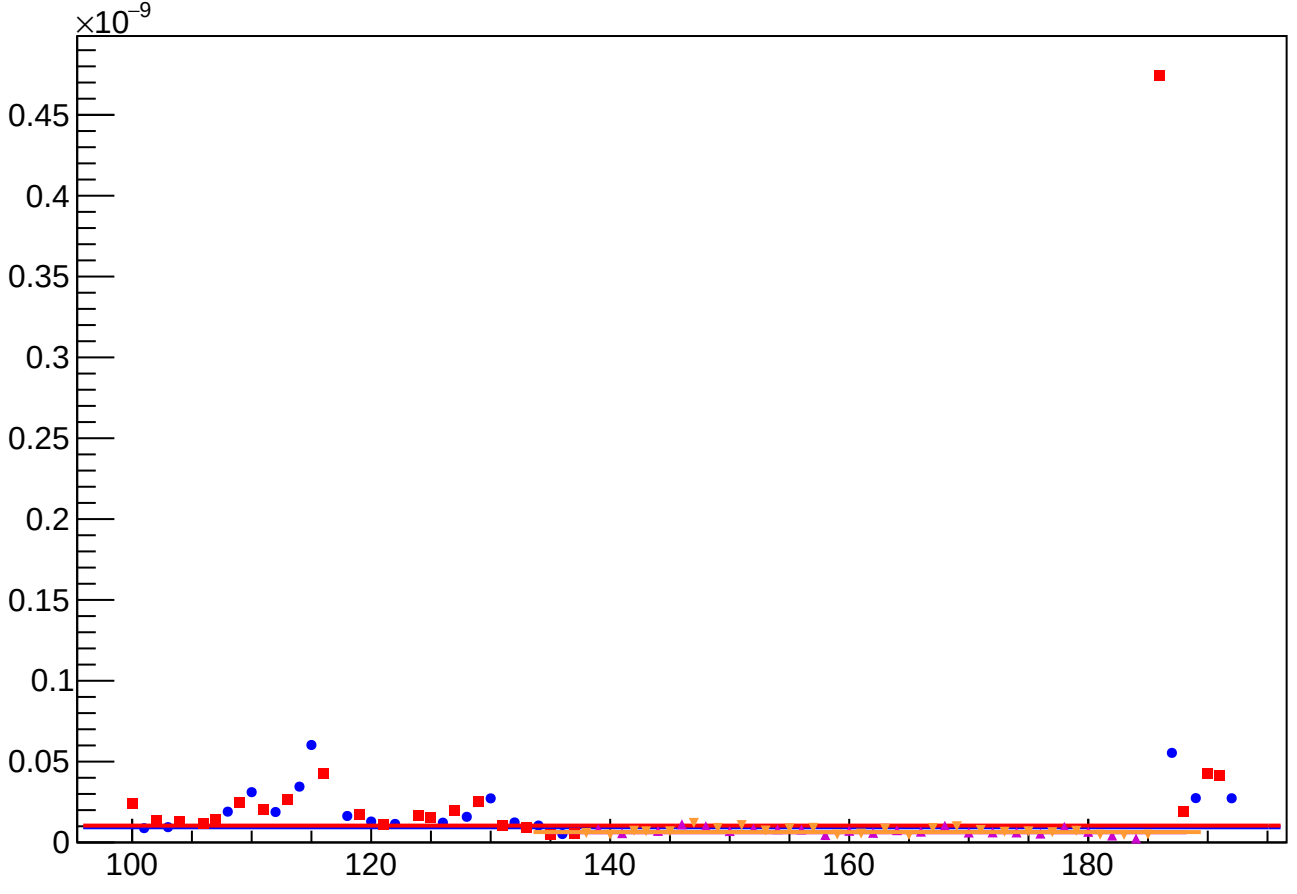
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/22

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.1/43

All: 0.000+/-0.000 χ^2/NDF: 86.5/89

- sign 0.000+/-0.000 χ^2/NDF: 43.3/45



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

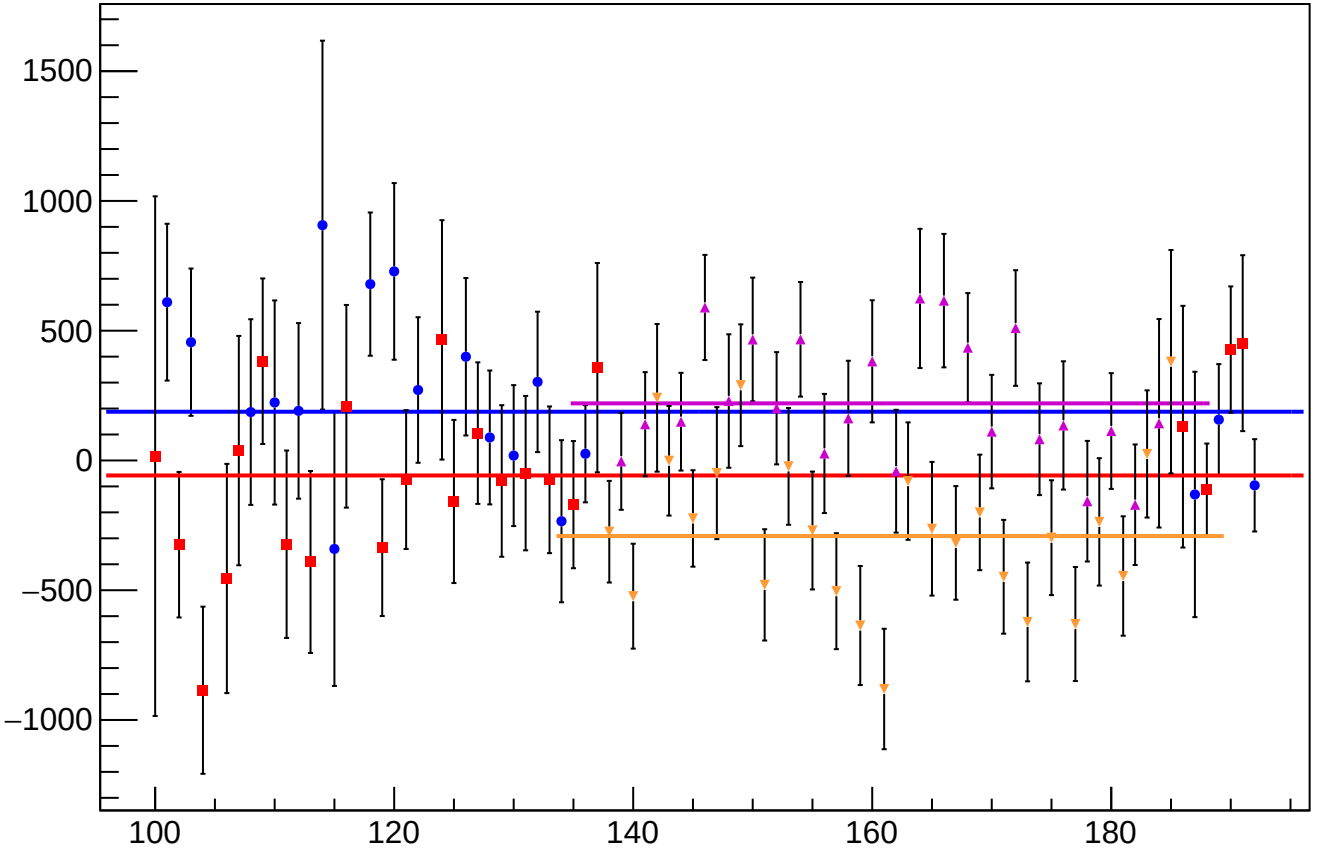
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5954202.3/43

All: 0.000+/-0.000 χ^2/NDF: 12955175.7/89

- sign 0.000+/-0.000 χ^2/NDF: 7000907.0/45

reg_asym_sam_26_dd_mean vs Slug



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

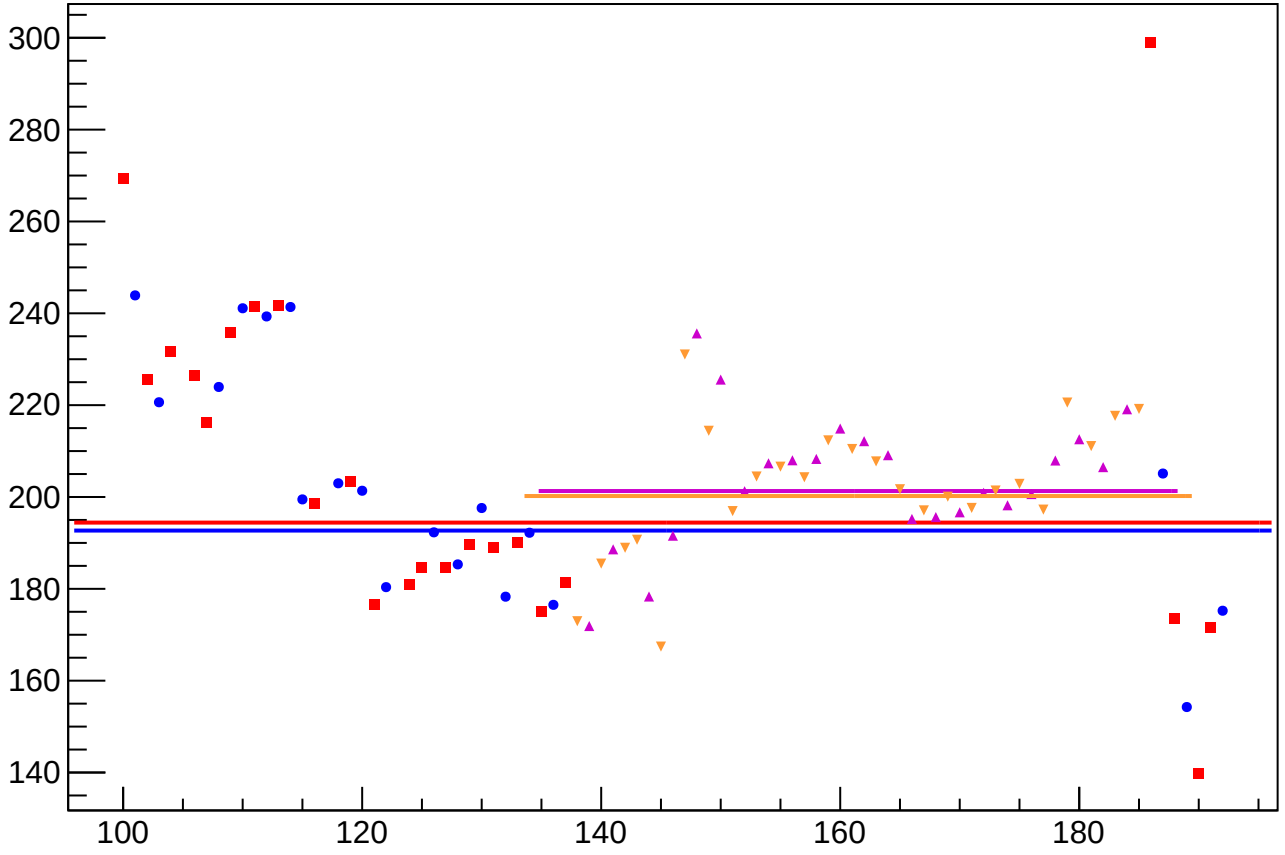
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -133.418+/-37.348 χ^2/NDF: 90.2/43

All: -7.618+/-26.634 χ^2/NDF: 172.0/89

- sign 122.568+/-37.993 χ^2/NDF: 58.7/45

reg_asym_sam_26_dd_rms vs Slug



Right In: 192.689+/-0.046 χ^2/NDF: 286148.2/18

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

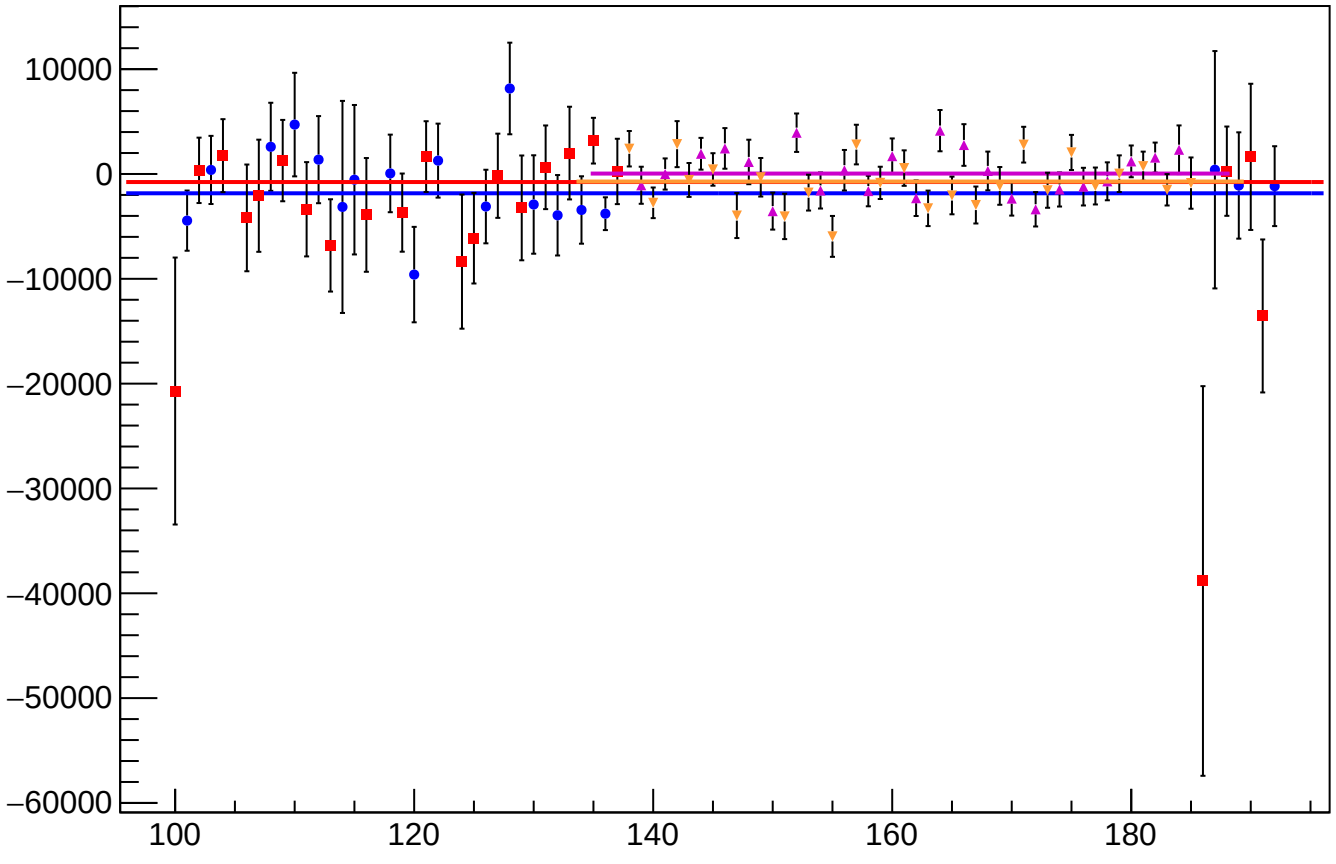
Right Out: 194.424+/-0.045 χ^2/NDF: 454250.0/22

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 197.731+/-0.026 χ^2/NDF: 508464.2/43

All: 198.299+/-0.019 χ^2/NDF: 1160206.9/89

- sign 198.888+/-0.027 χ^2/NDF: 650799.9/45



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

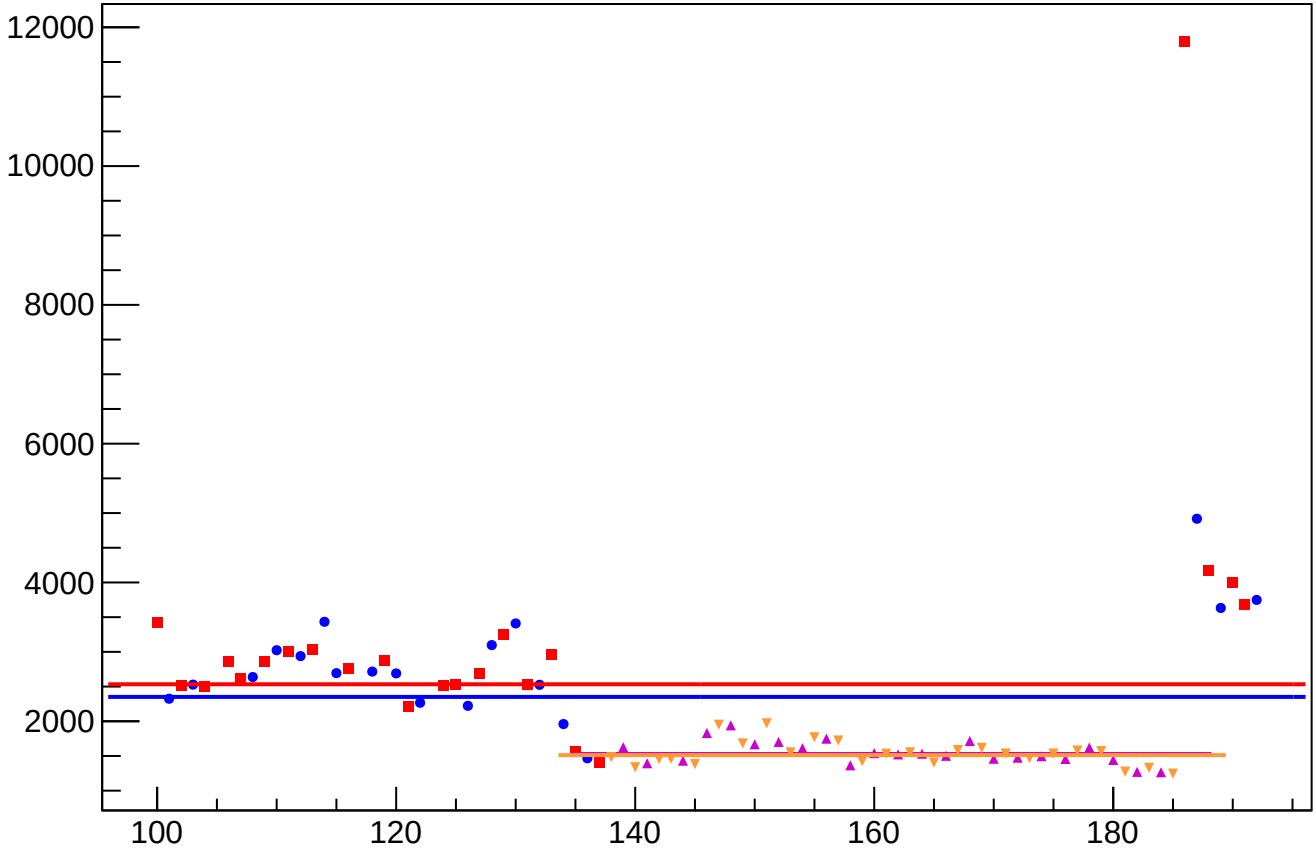
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -888.785+/-319.349 χ^2/NDF: 56.2/43

All: -499.540+/-230.120 χ^2/NDF: 116.6/89

- sign -79.119+/-331.892 χ^2/NDF: 57.3/45

asym_sam_26_dd_reg_correction_rms vs Slug



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

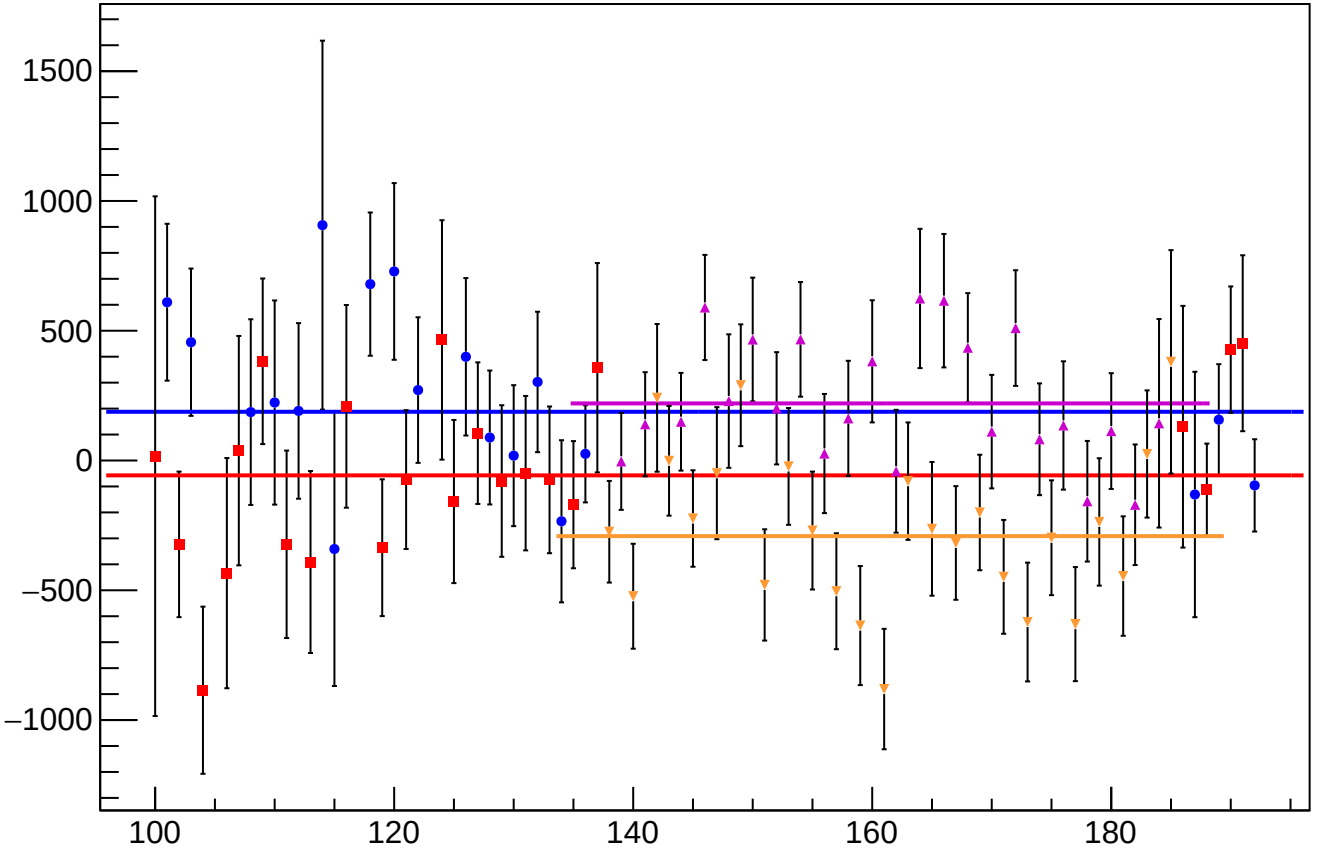
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1638.138+/-0.226 χ^2/NDF: 3688967.8/43

All: 1655.995+/-0.163 χ^2/NDF: 8145943.8/89

- sign 1675.282+/-0.235 χ^2/NDF: 4443968.3/45

cor_asym_sam_26_dd_mean vs Slug



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

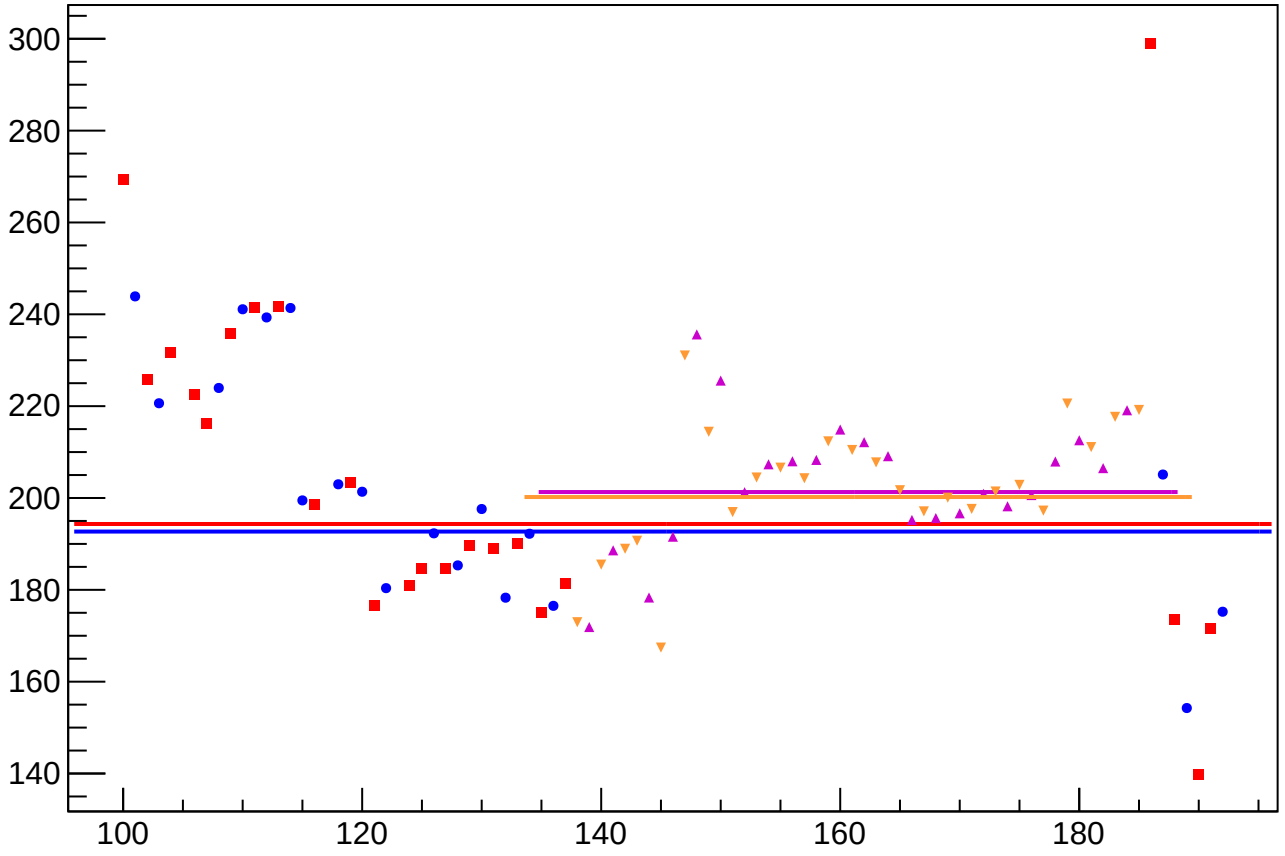
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -133.420+/-37.348 χ^2/NDF: 90.2/43

All: -7.512+/-26.635 χ^2/NDF: 171.9/89

- sign 122.794+/-37.994 χ^2/NDF: 58.6/45

cor_asym_sam_26_dd_rms vs Slug



Right In: 192.689+/-0.046 χ^2/NDF: 286148.6/18

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

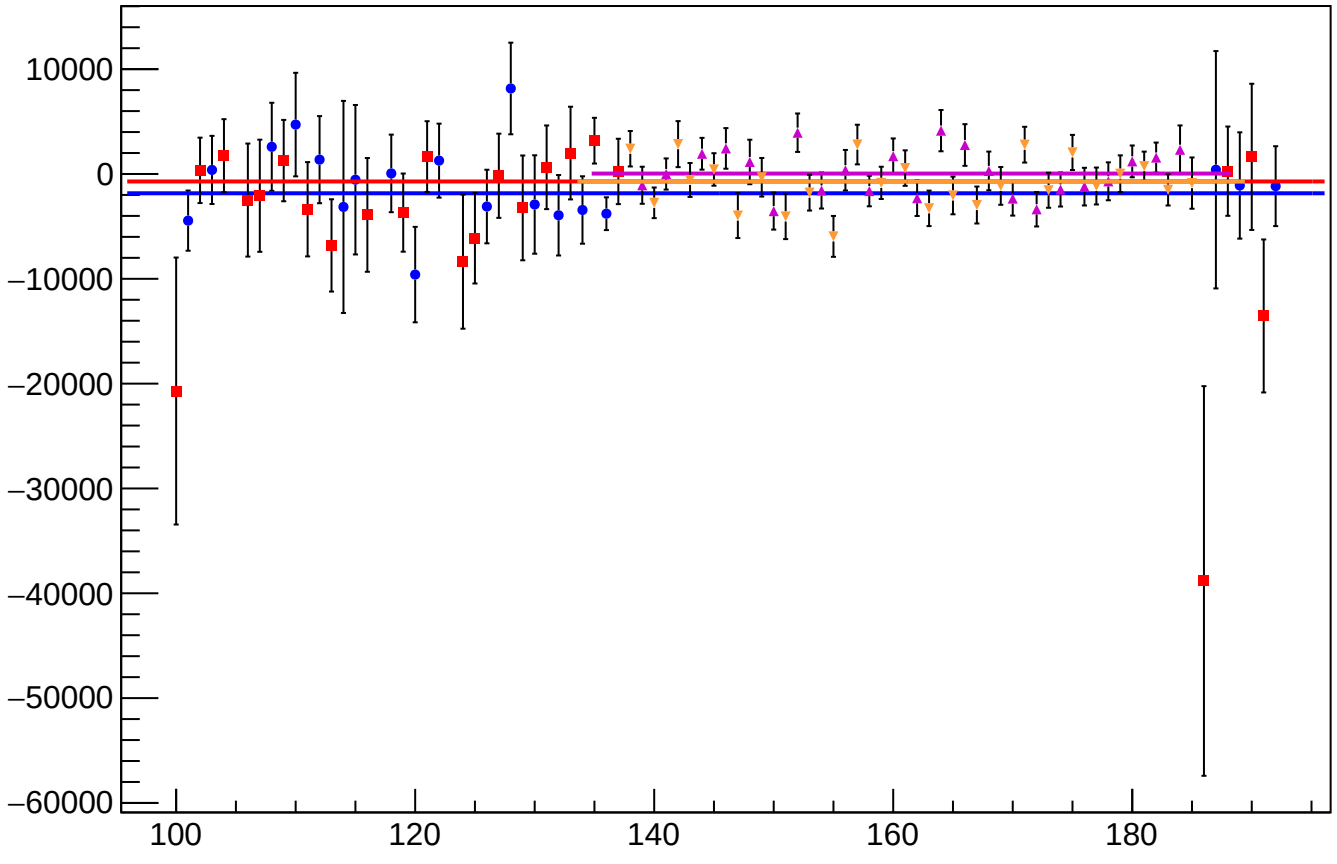
Right Out: 194.339+/-0.045 χ^2/NDF: 451844.0/22

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 197.731+/-0.026 χ^2/NDF: 508464.6/43

All: 198.285+/-0.019 χ^2/NDF: 1158124.3/89

\- sign 198.858+/-0.027 χ^2/NDF: 648764.6/45



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

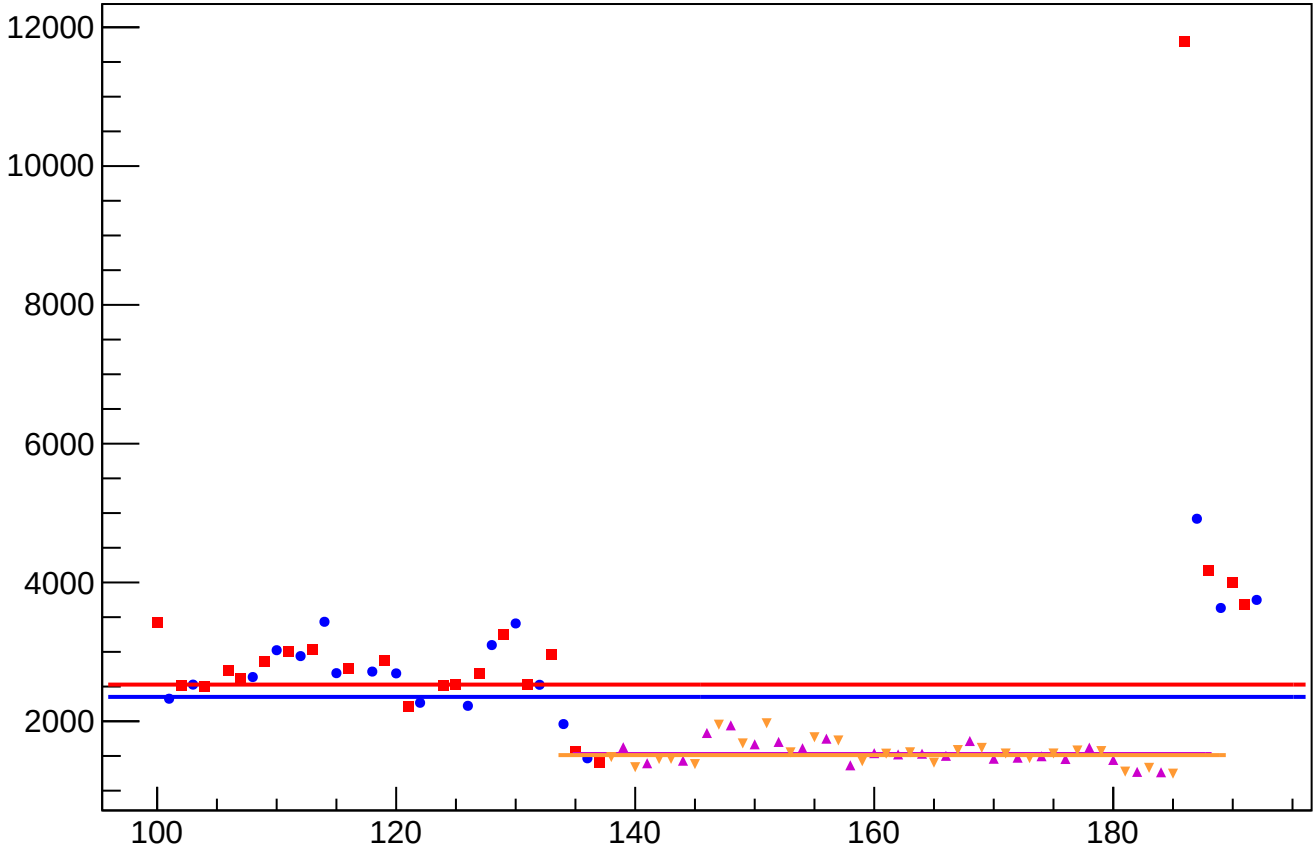
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -888.783+/-319.349 χ^2/NDF: 56.2/43

All: -495.639+/-230.146 χ^2/NDF: 116.2/89

- sign -70.808+/-331.970 χ^2/NDF: 56.8/45

asym_sam_26_dd_cor_correction_rms vs Slug



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

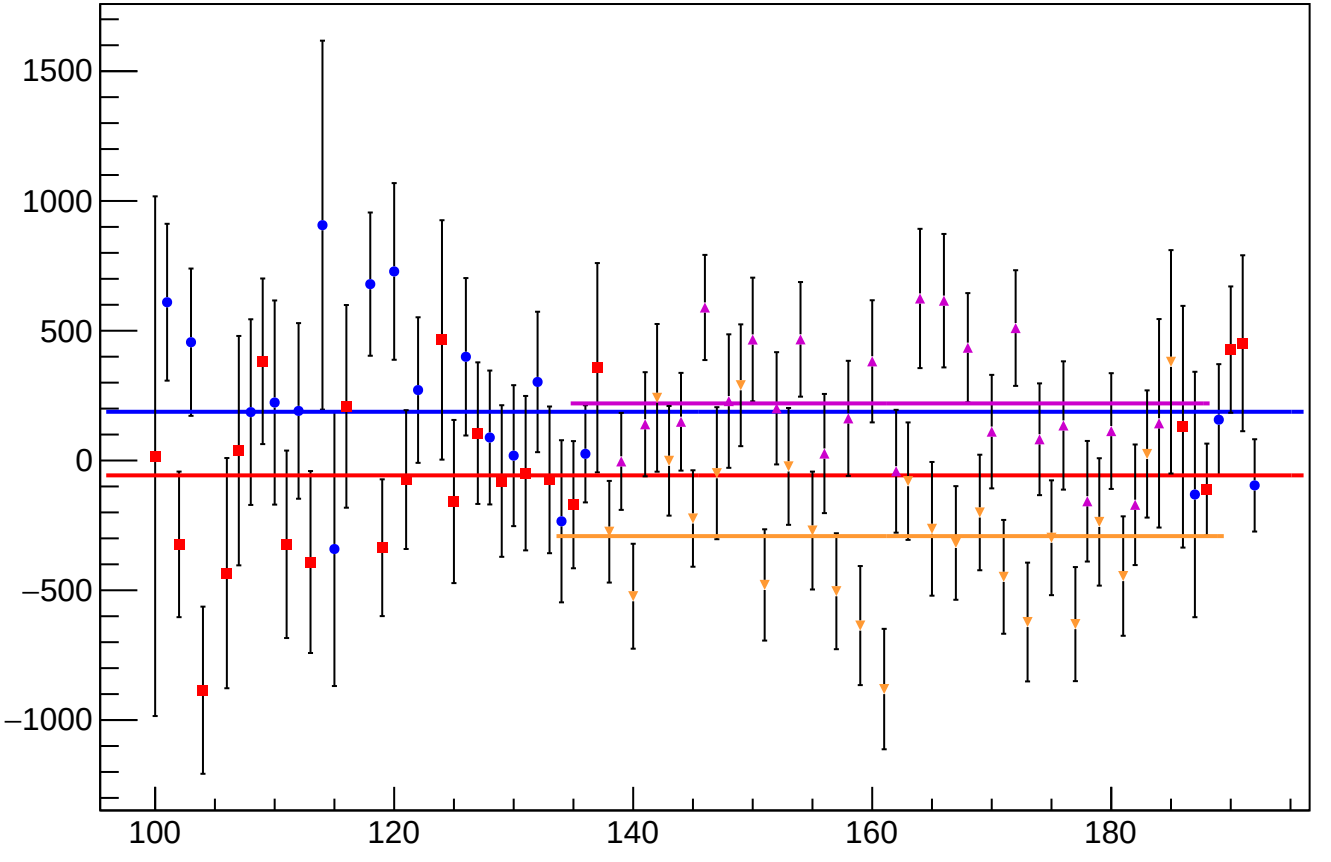
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1638.138+/-0.226 χ^2/NDF: 3688981.0/43

All: 1655.480+/-0.163 χ^2/NDF: 8112441.0/89

- sign 1674.219+/-0.235 χ^2/NDF: 4411189.6/45

eigen_cor_asym_sam_26_dd_mean vs Slug



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

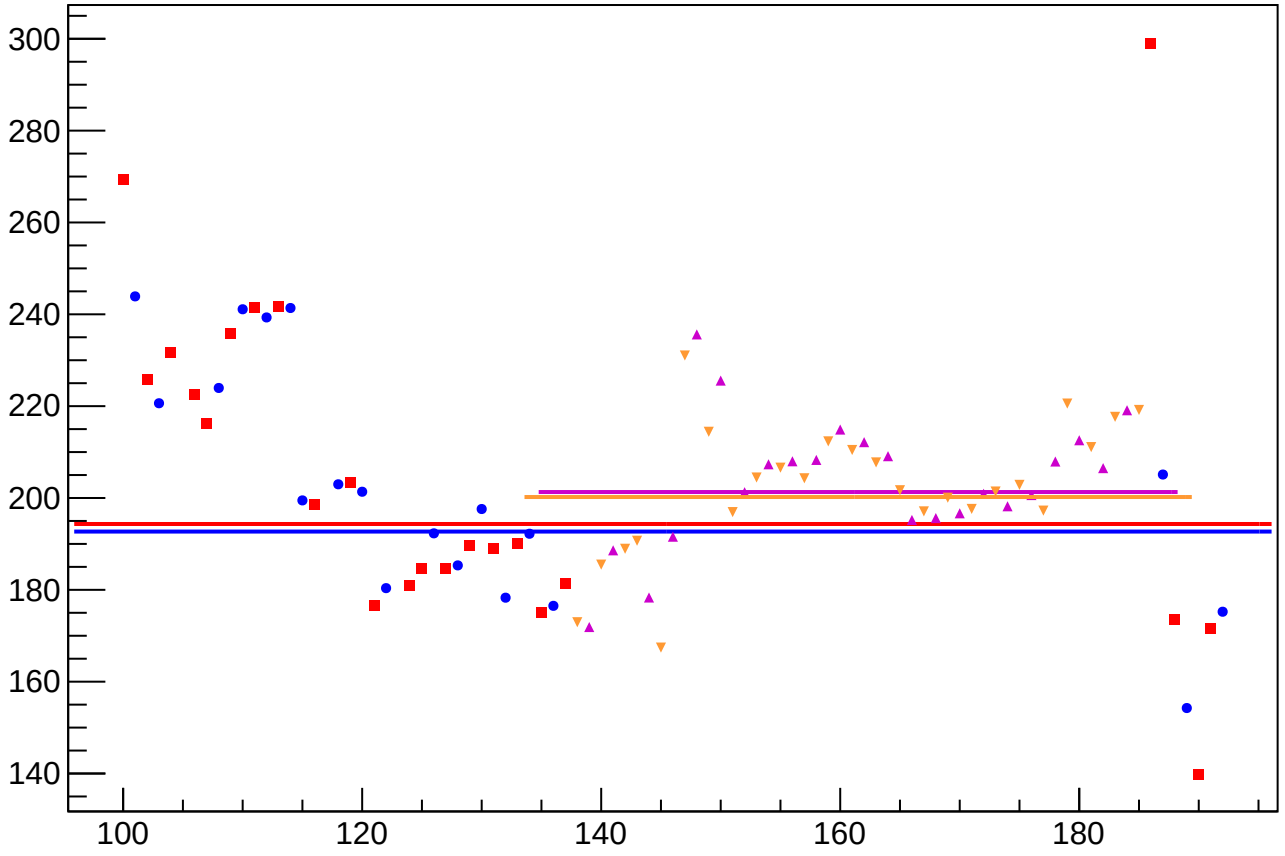
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -133.420+/-37.348 χ^2/NDF: 90.2/43

All: -7.512+/-26.635 χ^2/NDF: 171.9/89

- sign 122.794+/-37.994 χ^2/NDF: 58.6/45

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 192.689+/-0.046 χ^2/NDF: 286148.6/18

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

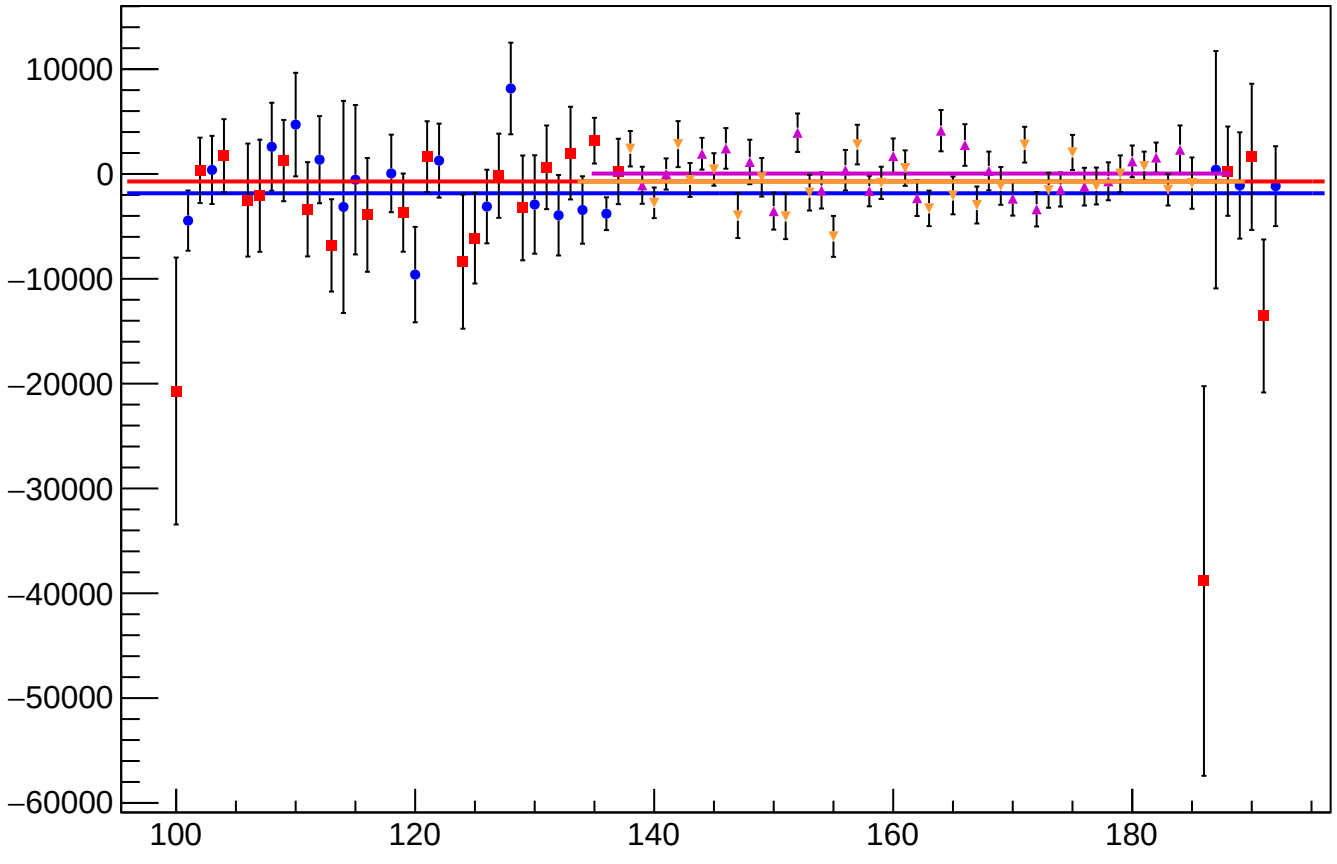
Right Out: 194.339+/-0.045 χ^2/NDF: 451844.0/22

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 197.731+/-0.026 χ^2/NDF: 508464.6/43

All: 198.285+/-0.019 χ^2/NDF: 1158124.3/89

\- sign 198.858+/-0.027 χ^2/NDF: 648764.6/45



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

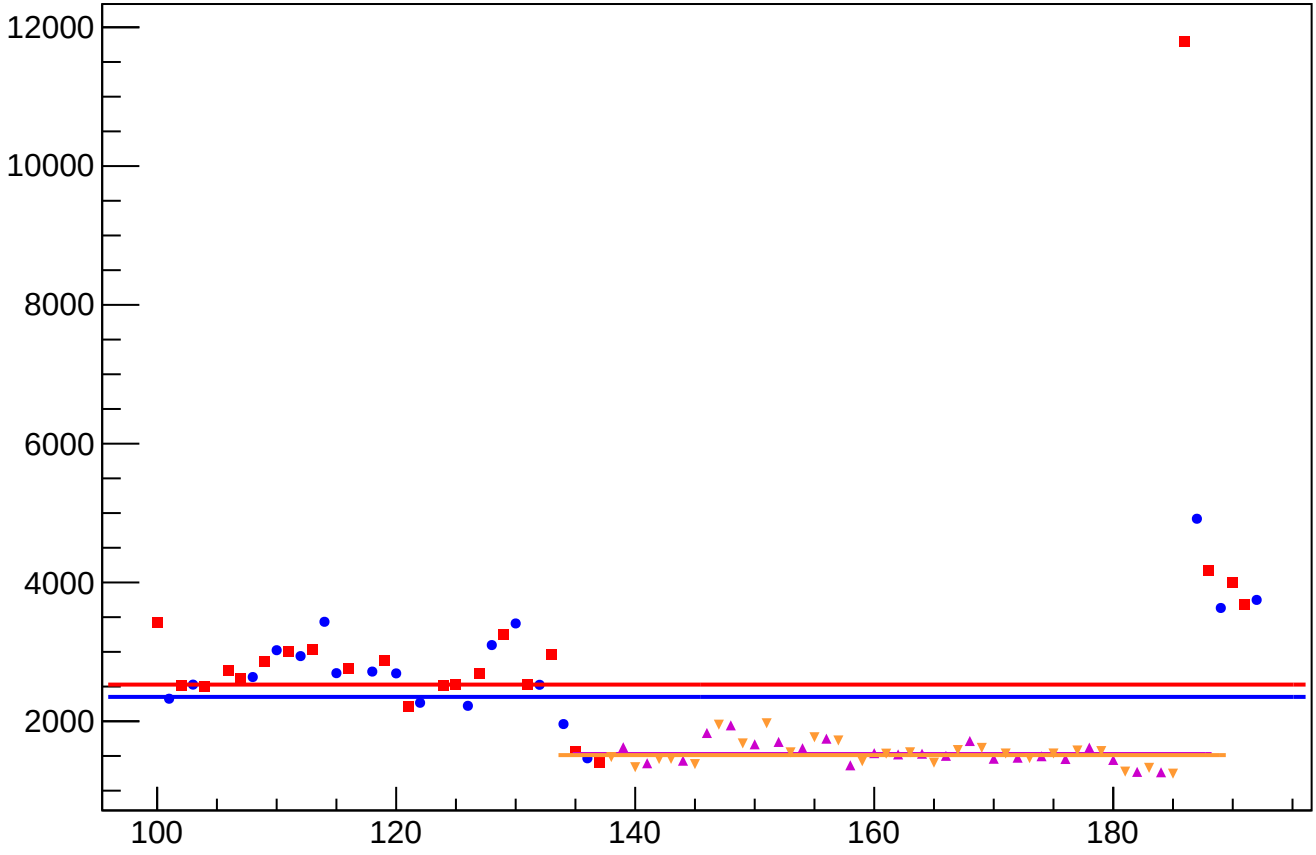
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -888.783+/-319.349 χ^2/NDF: 56.2/43

All: -495.639+/-230.146 χ^2/NDF: 116.2/89

- sign -70.808+/-331.970 χ^2/NDF: 56.8/45

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



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

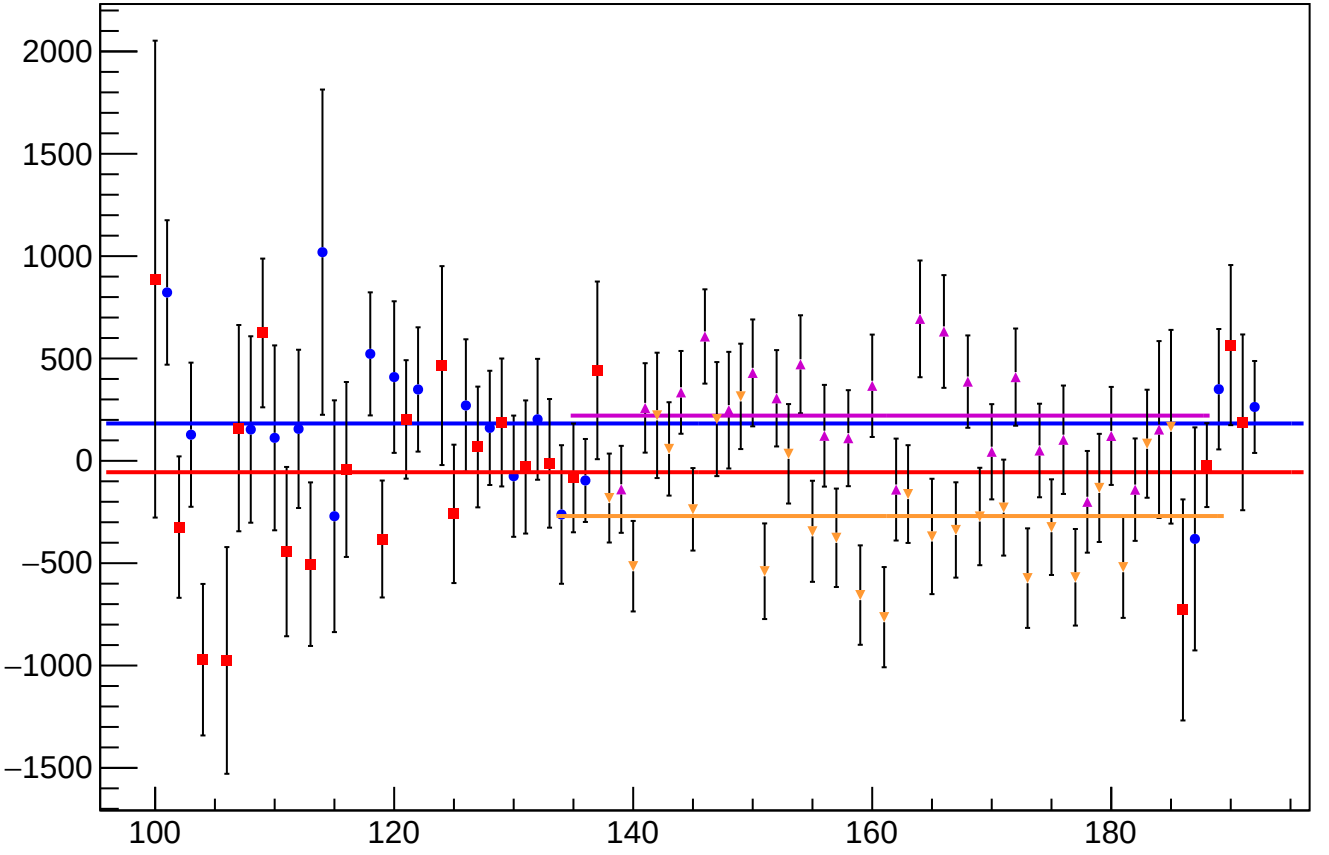
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1638.138+/-0.226 χ^2/NDF: 3688981.0/43

All: 1655.480+/-0.163 χ^2/NDF: 8112441.0/89

- sign 1674.219+/-0.235 χ^2/NDF: 4411189.6/45

dit_asym_sam_26_dd_mean vs Slug



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

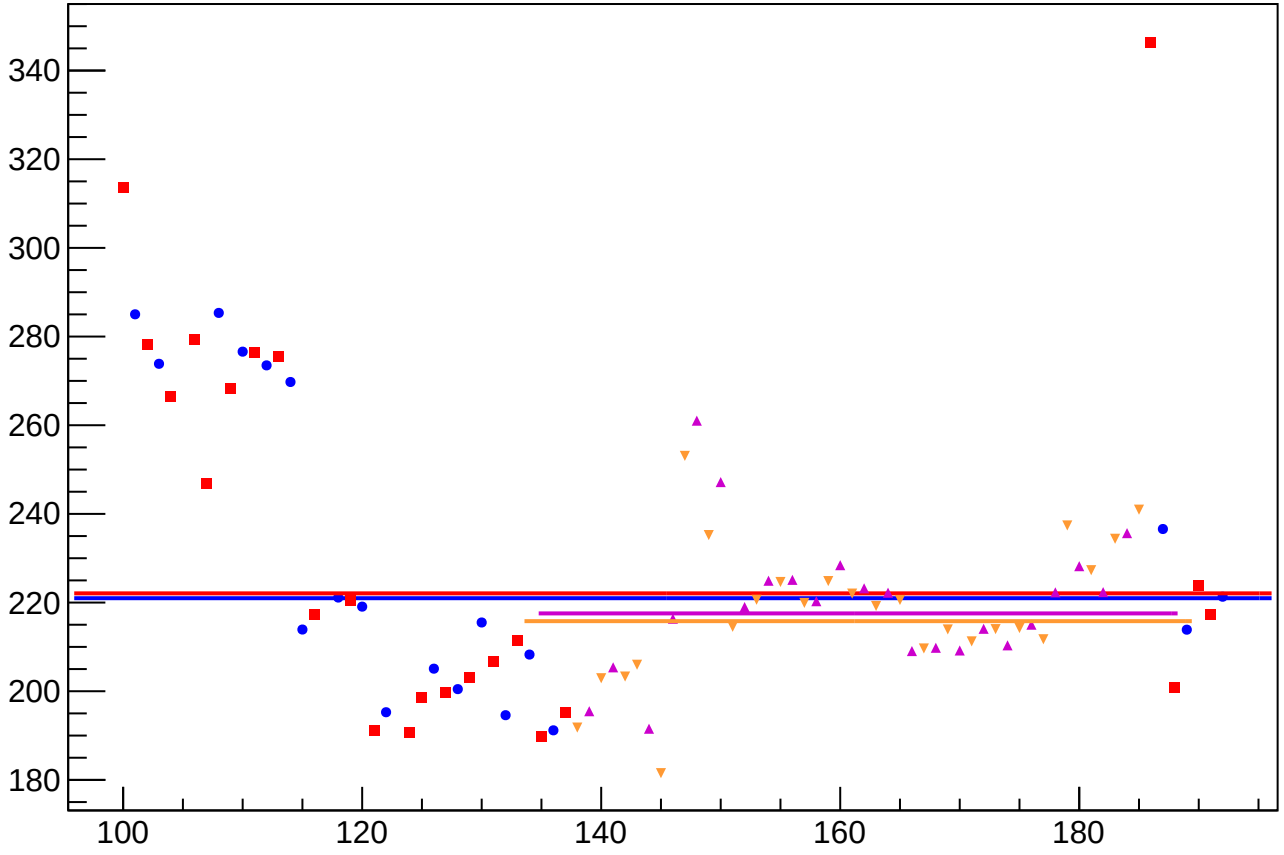
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -132.866+/-41.054 χ^2/NDF: 70.1/43

All: -3.504+/-29.305 χ^2/NDF: 149.5/89

- sign 130.891+/-41.845 χ^2/NDF: 59.1/45

dit_asym_sam_26_dd_rms vs Slug



Right In: 220.982+/-0.053 χ^2/NDF: 321520.3/18

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

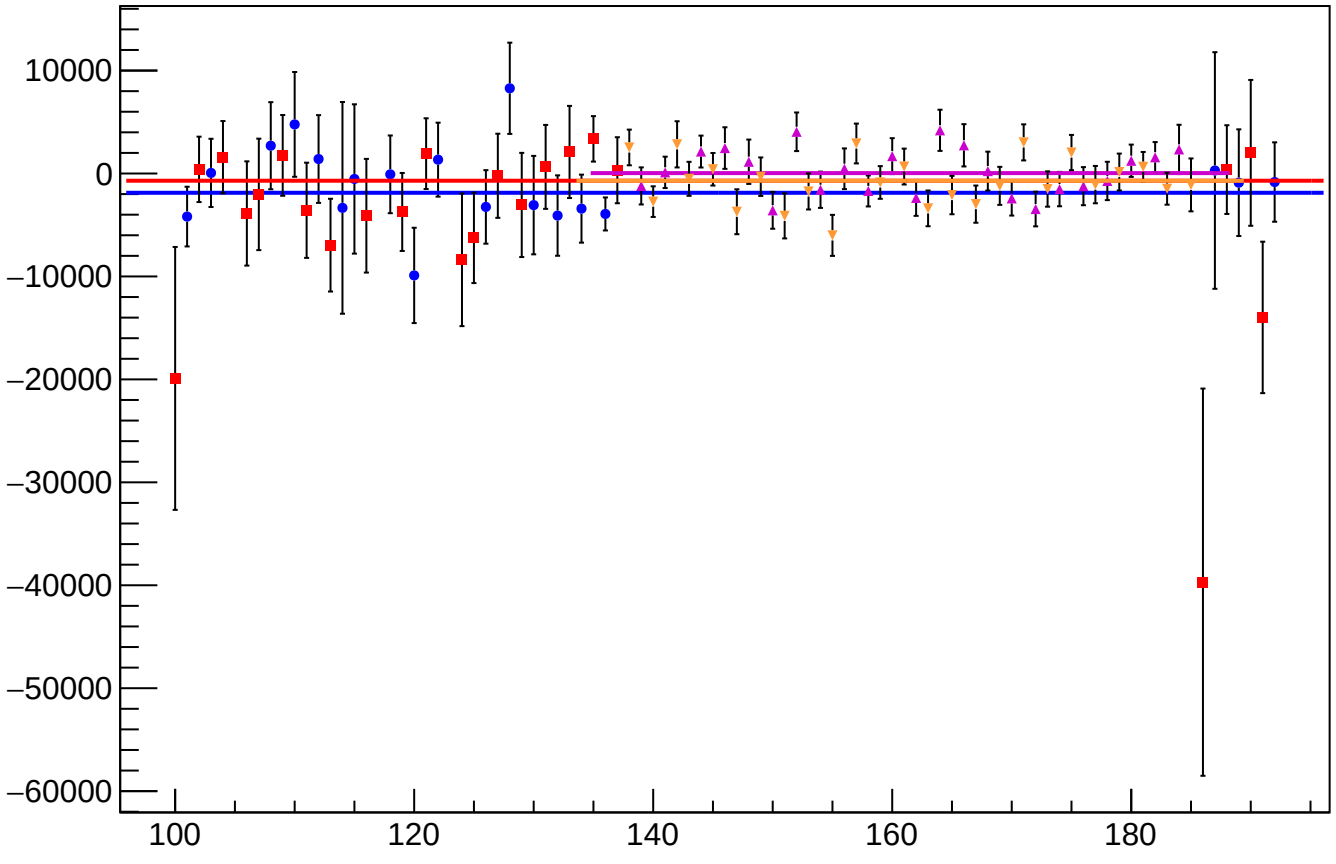
Right Out: 222.075+/-0.052 χ^2/NDF: 454727.8/22

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 217.372+/-0.029 χ^2/NDF: 516926.1/43

All: 218.184+/-0.021 χ^2/NDF: 1139437.8/89

- sign 219.027+/-0.030 χ^2/NDF: 620918.9/45



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

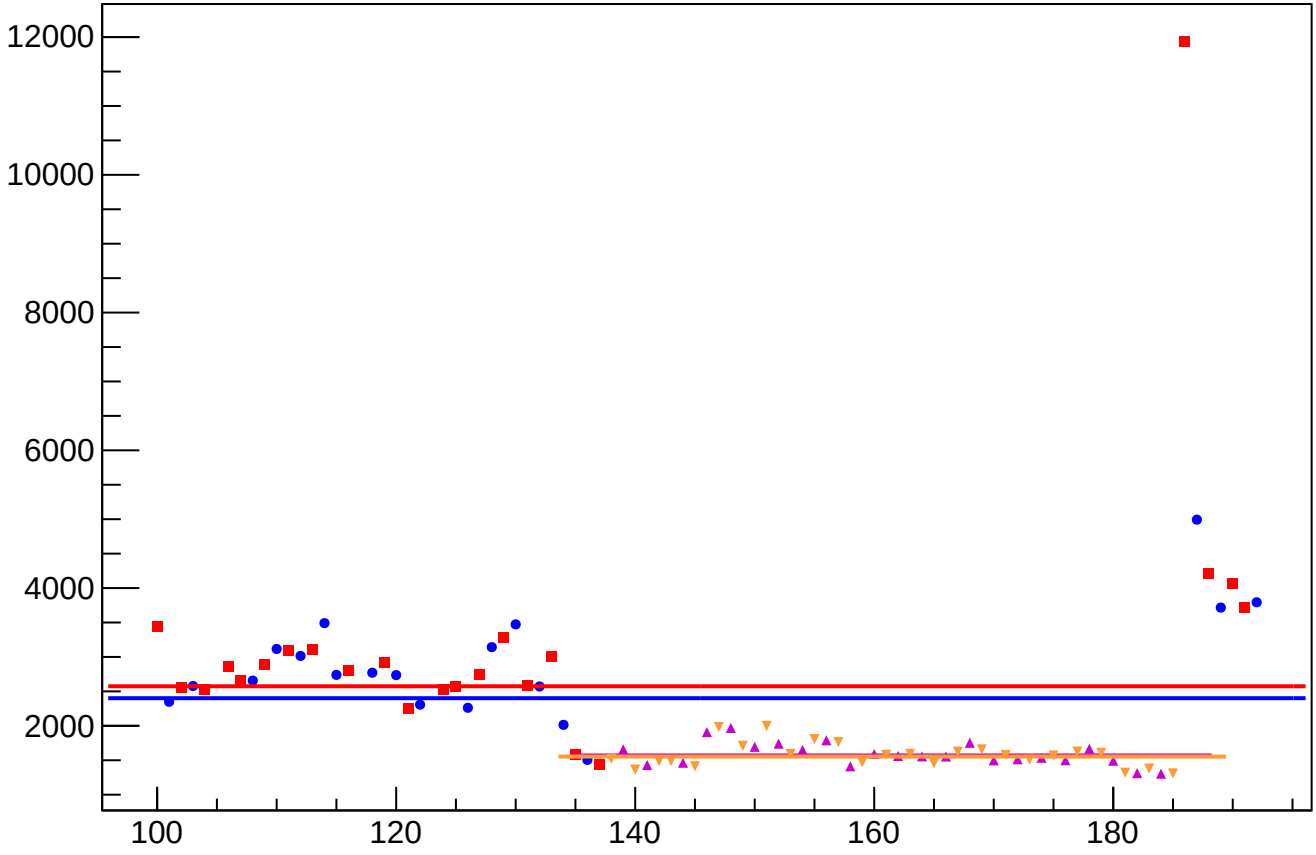
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -881.113+/-327.425 χ^2/NDF: 55.6/43

All: -491.548+/-235.918 χ^2/NDF: 116.0/89

- sign -70.947+/-340.218 χ^2/NDF: 57.5/45

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2400.846+/-0.595 χ^2/NDF: 1459067.0/18

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2574.155+/-0.623 χ^2/NDF: 1761090.7/22

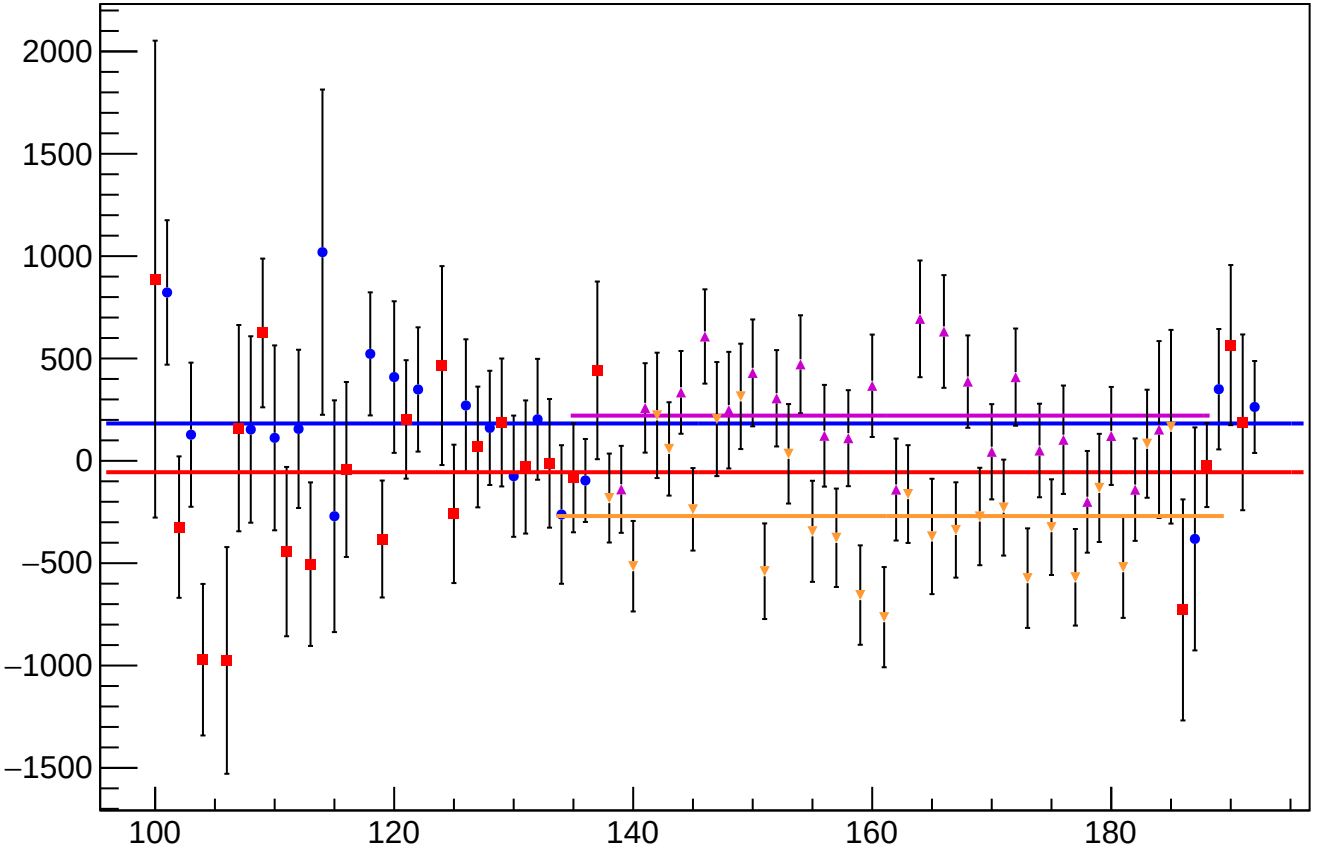
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1681.487+/-0.232 χ^2/NDF: 3593035.5/43

All: 1699.730+/-0.167 χ^2/NDF: 7940475.5/89

- sign 1719.427+/-0.241 χ^2/NDF: 4334527.7/45

eigen_dit_asym_sam_26_dd_mean vs Slug



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

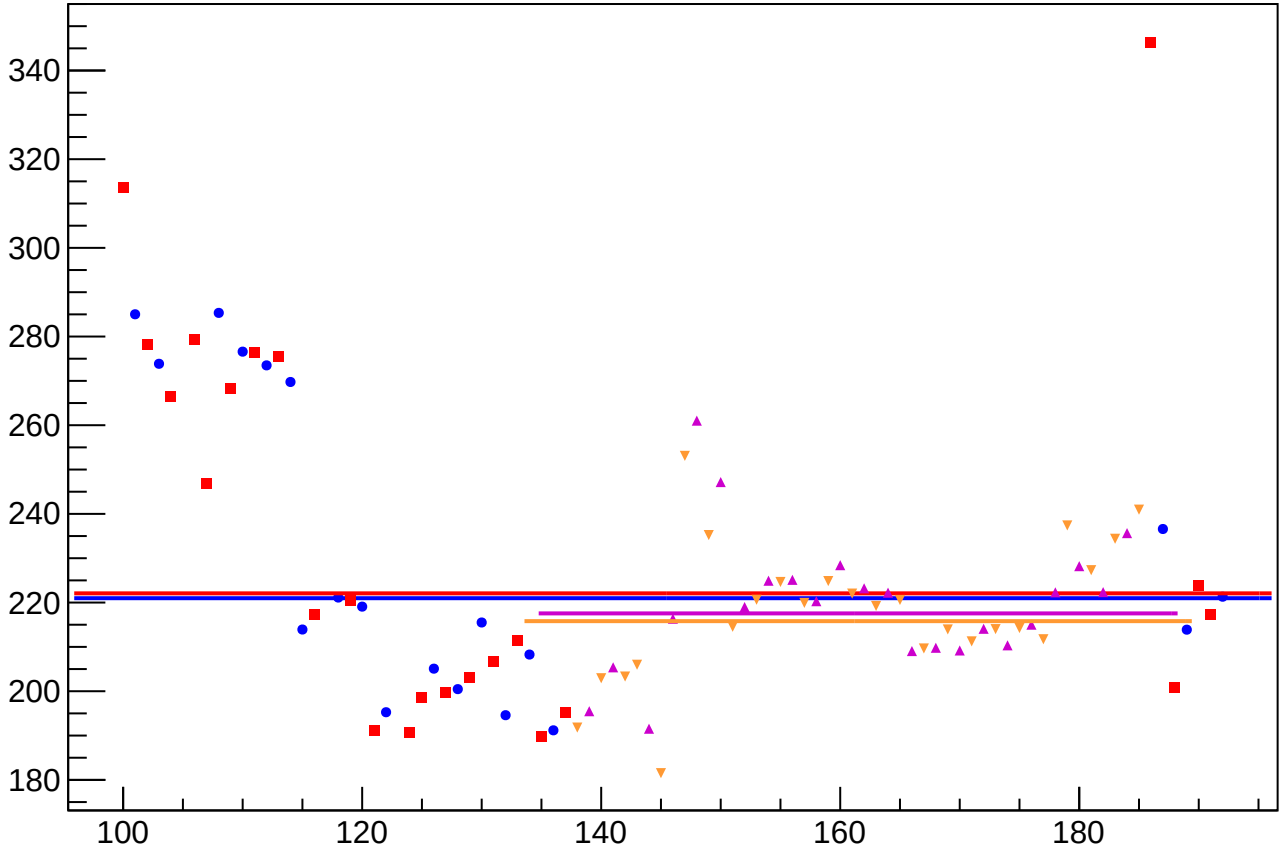
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -132.866+/-41.054 χ^2/NDF: 70.1/43

All: -3.504+/-29.305 χ^2/NDF: 149.5/89

- sign 130.891+/-41.845 χ^2/NDF: 59.1/45

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 220.981+/-0.053 χ^2/NDF: 321515.0/18

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

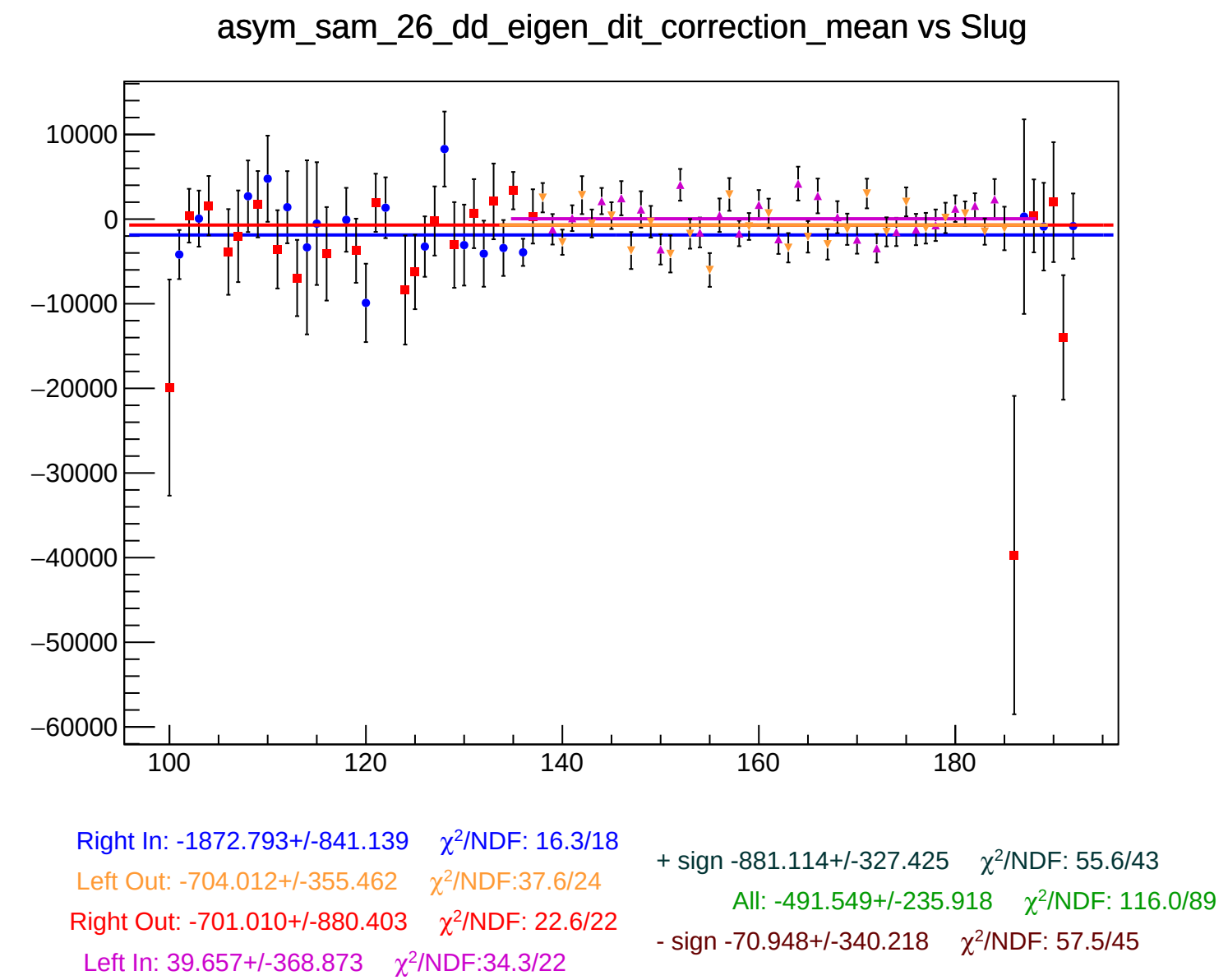
Right Out: 222.074+/-0.052 χ^2/NDF: 454712.4/22

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

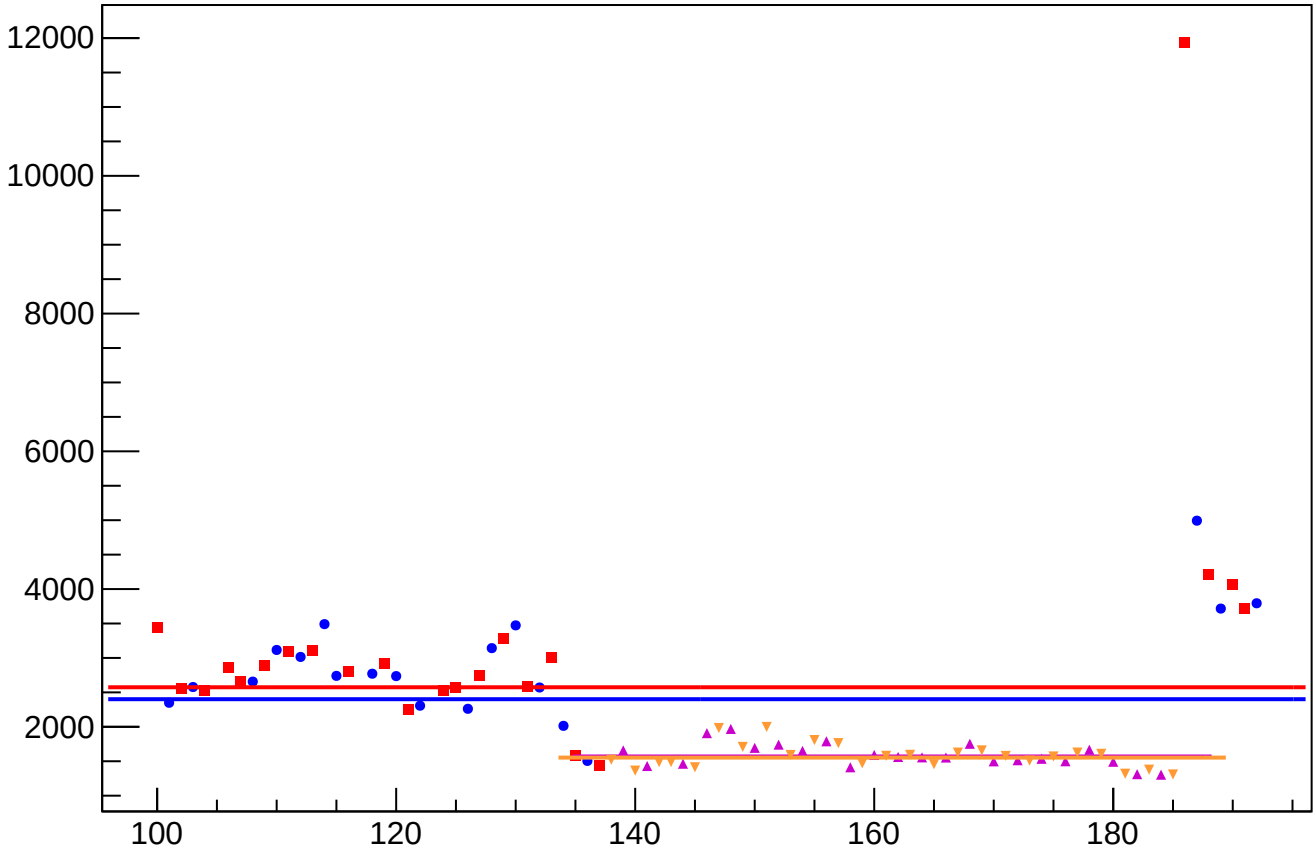
\+ sign 217.372+/-0.029 χ^2/NDF: 516922.7/43

All: 218.183+/-0.021 χ^2/NDF: 1139420.1/89

\- sign 219.026+/-0.030 χ^2/NDF: 620904.7/45


asym_sam_26_dd_eigen_dit_correction_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
120
140
160
180
Right In: -1872.793+/-841.139 χ²/NDF: 16.3/18
Left Out: -704.012+/-355.462 χ²/NDF:37.6/24
Right Out: -701.010+/-880.403 χ²/NDF: 22.6/22
Left In: 39.657+/-368.873 χ²/NDF:34.3/22
+ sign -881.114+/-327.425 χ²/NDF: 55.6/43
All: -491.549+/-235.918 χ²/NDF: 116.0/89
- sign -70.948+/-340.218 χ²/NDF: 57.5/45

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2400.843+/-0.595 χ^2/NDF: 1459059.2/18

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2574.151+/-0.623 χ^2/NDF: 1761086.7/22

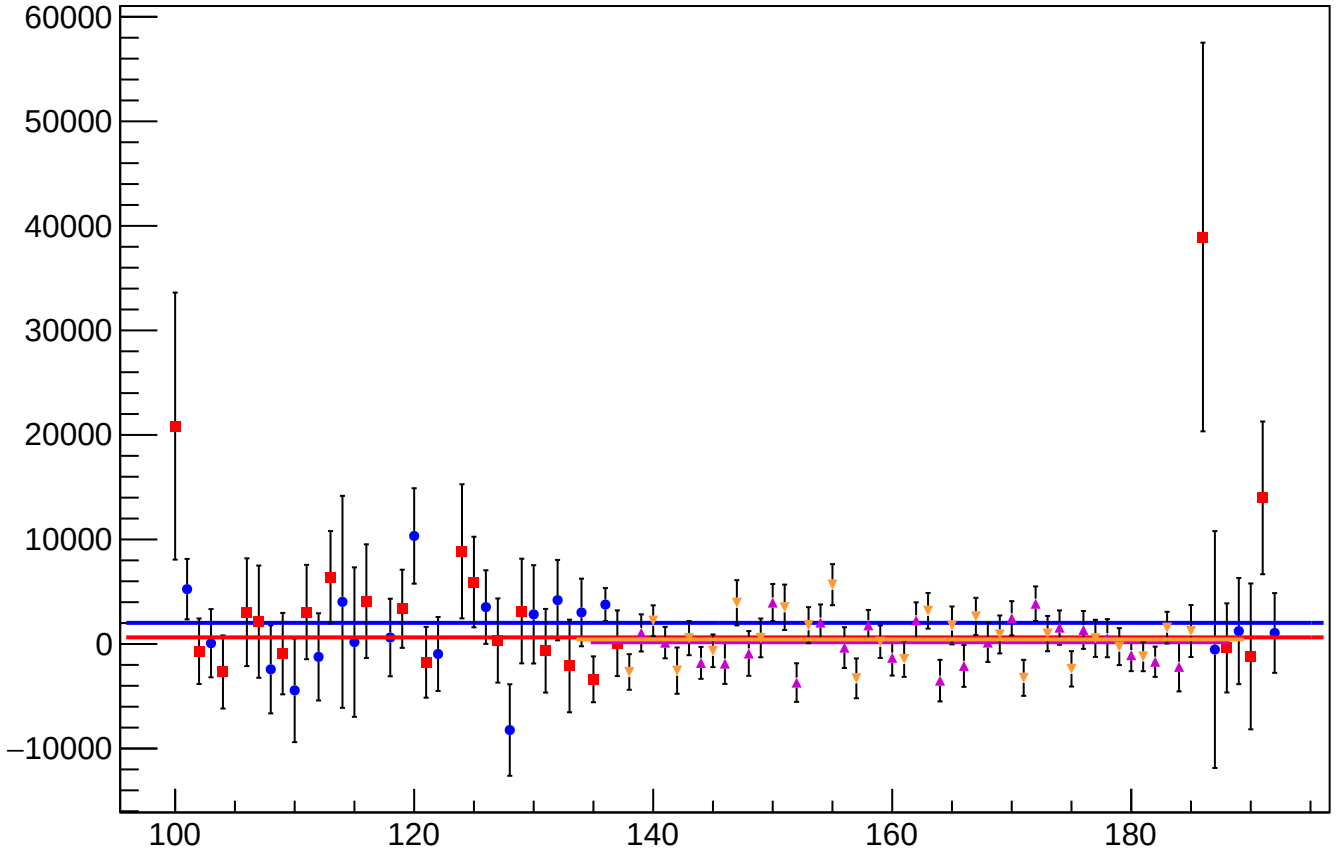
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1681.487+/-0.232 χ^2/NDF: 3593021.3/43

All: 1699.730+/-0.167 χ^2/NDF: 7940449.1/89

- sign 1719.427+/-0.241 χ^2/NDF: 4334515.8/45

asym_sam_26_dd_mean vs Slug



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

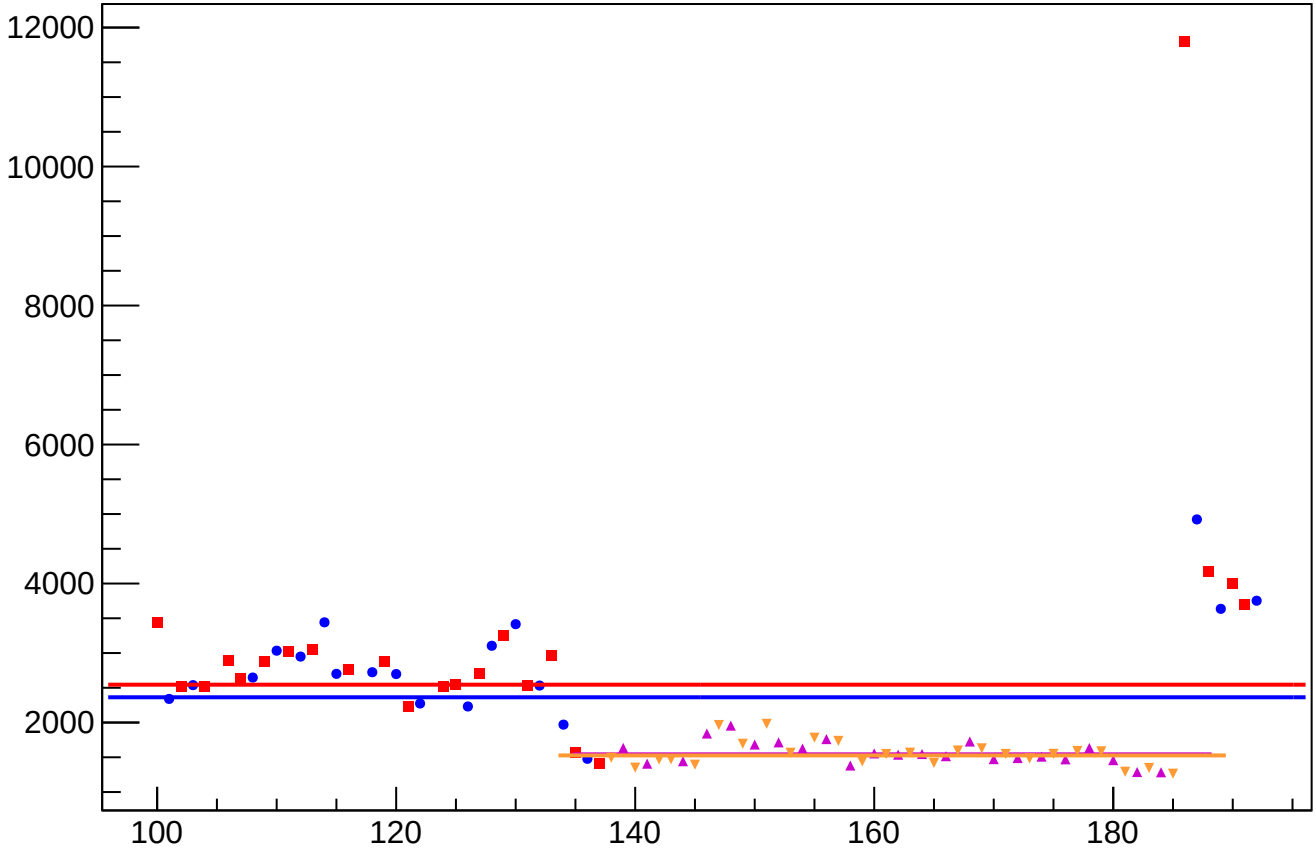
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 677.069+/-322.079 χ^2/NDF: 58.7/43

All: 466.121+/-232.072 χ^2/NDF: 115.3/89

- sign 238.343+/-334.681 χ^2/NDF: 55.7/45

asym_sam_26_dd_rms vs Slug



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

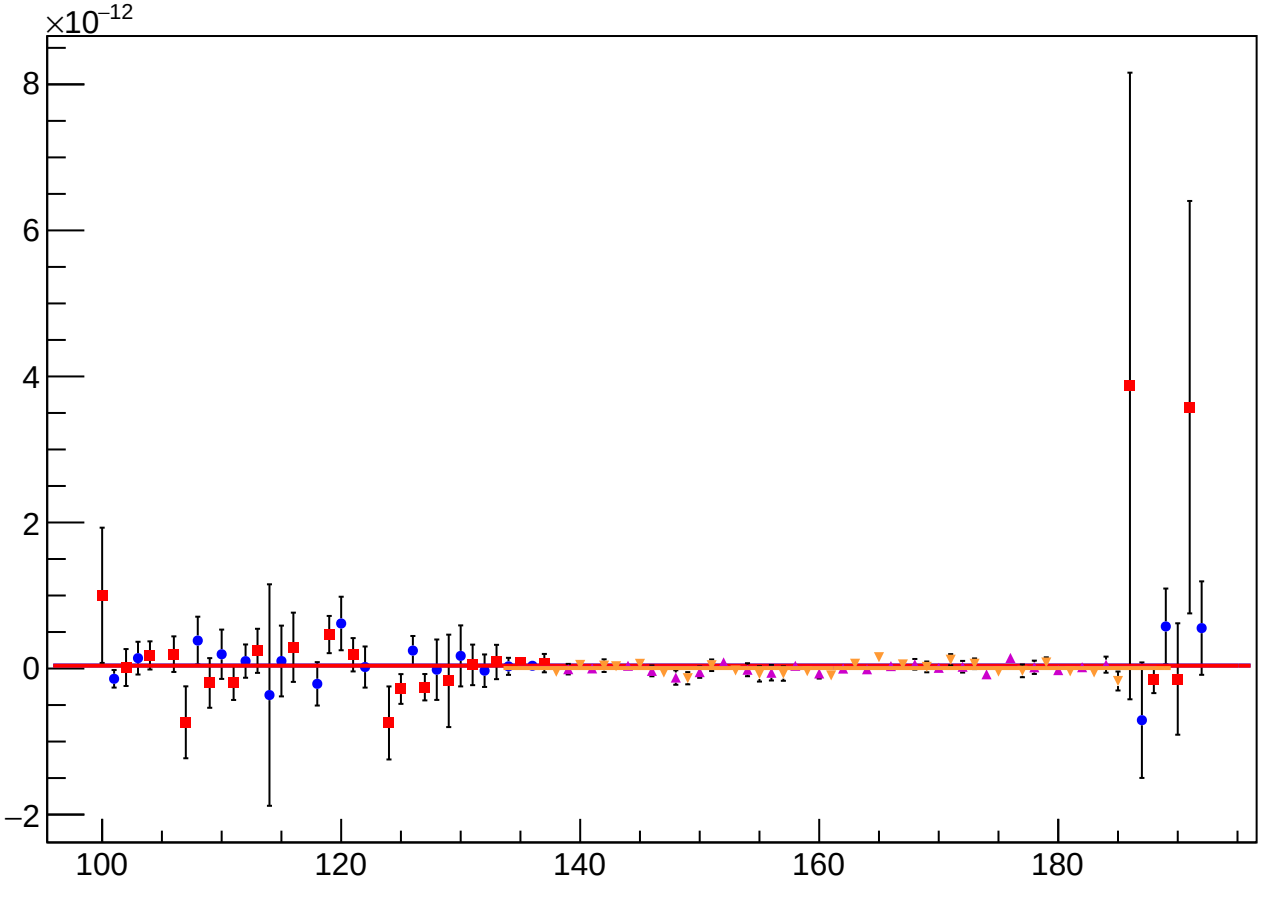
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1653.199+/-0.228 χ^2/NDF: 3628438.3/43

All: 1671.090+/-0.164 χ^2/NDF: 8021491.8/89

- sign 1690.408+/-0.237 χ^2/NDF: 4380218.9/45

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

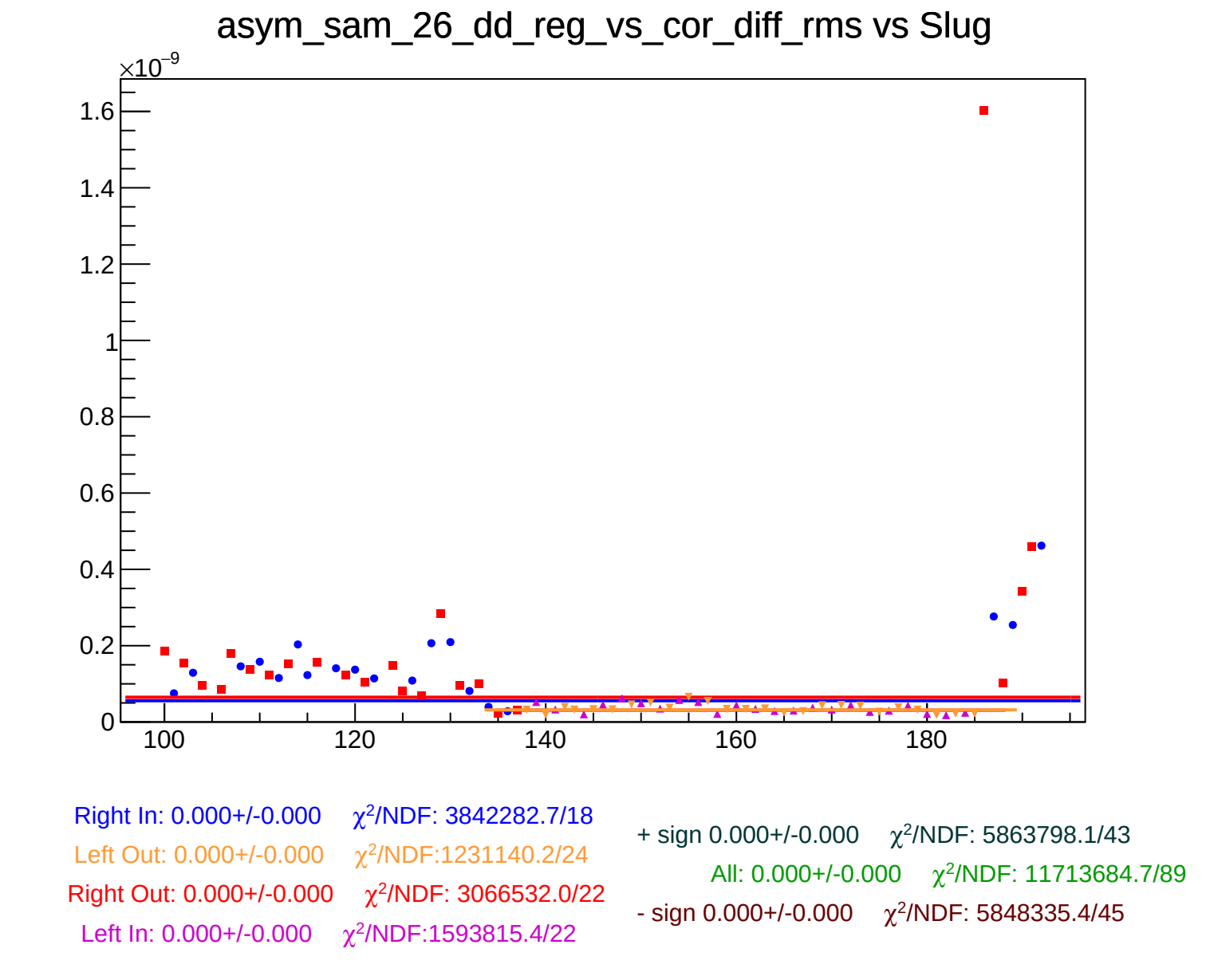
Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/22

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

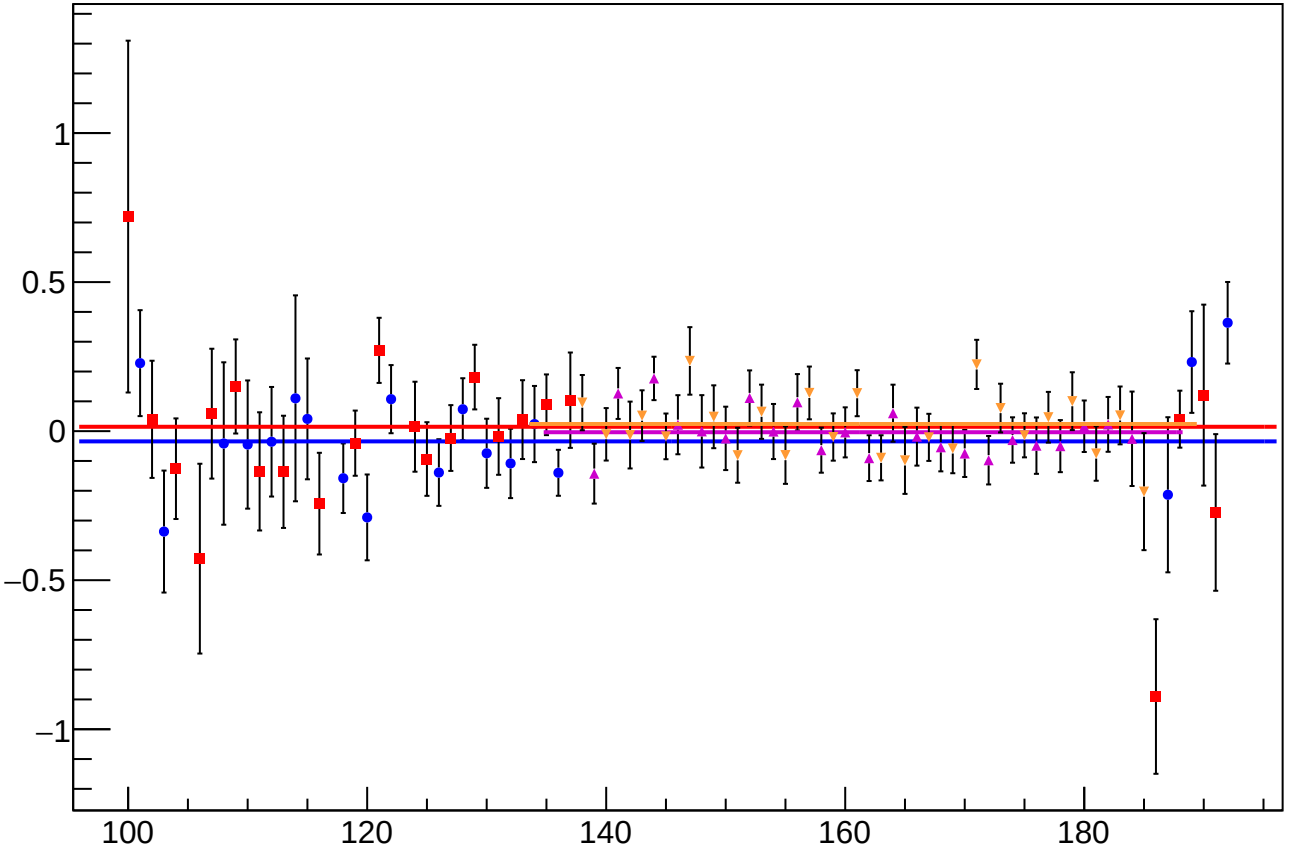
+ sign 0.000+/-0.000 χ^2/NDF: 42.7/43

All: 0.000+/-0.000 χ^2/NDF: 81.8/89

- sign 0.000+/-0.000 χ^2/NDF: 39.1/45


asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug
×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: 3842282.7/18
Left Out: 0.000+/-0.000 χ²/NDF:1231140.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 3066532.0/22
Left In: 0.000+/-0.000 χ²/NDF:1593815.4/22
+ sign 0.000+/-0.000 χ²/NDF: 5863798.1/43
All: 0.000+/-0.000 χ²/NDF: 11713684.7/89
- sign 0.000+/-0.000 χ²/NDF: 5848335.4/45

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



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

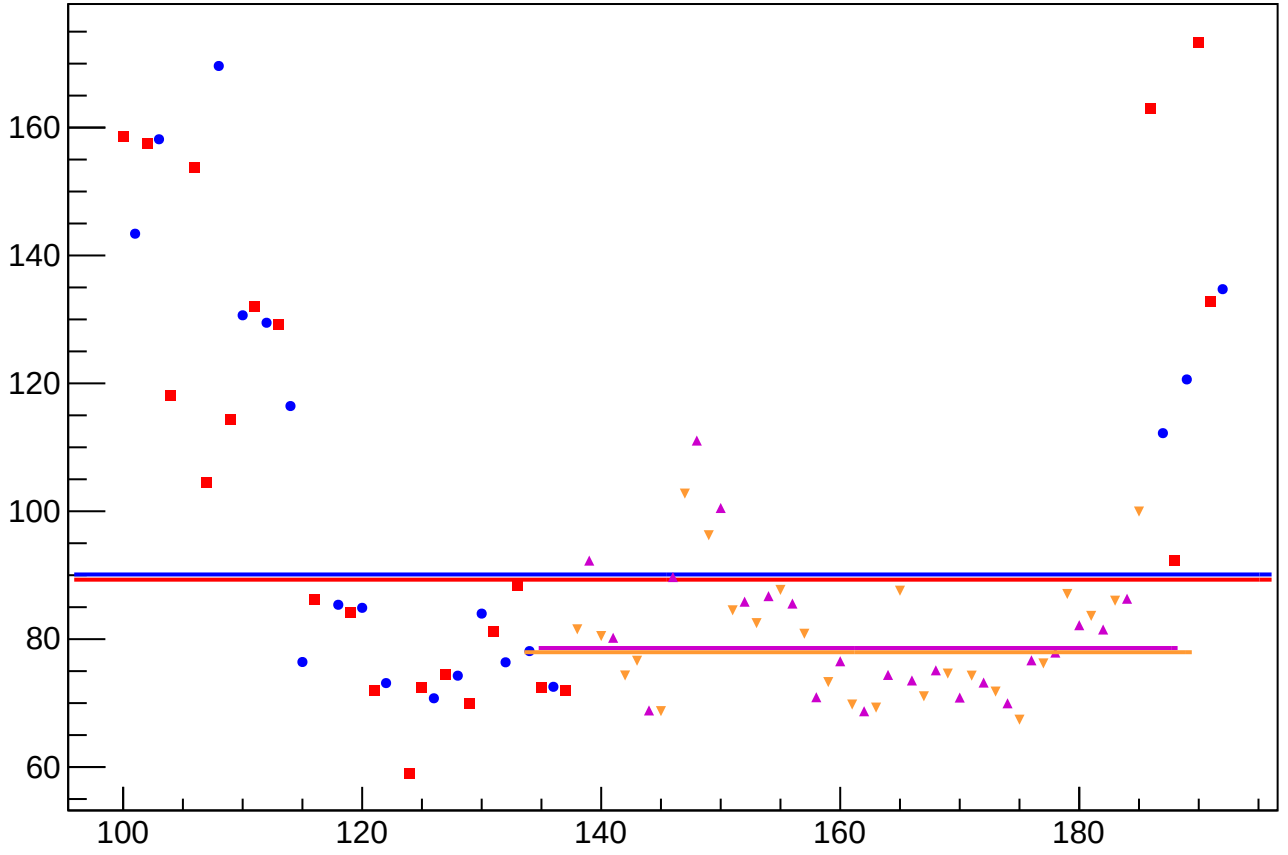
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.016 χ^2/NDF: 54.5/43

All: 0.006+/-0.011 χ^2/NDF: 105.6/89

- sign 0.001+/-0.016 χ^2/NDF: 51.0/45

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 90.115+/-0.022 χ^2/NDF: 1357346.0/18

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

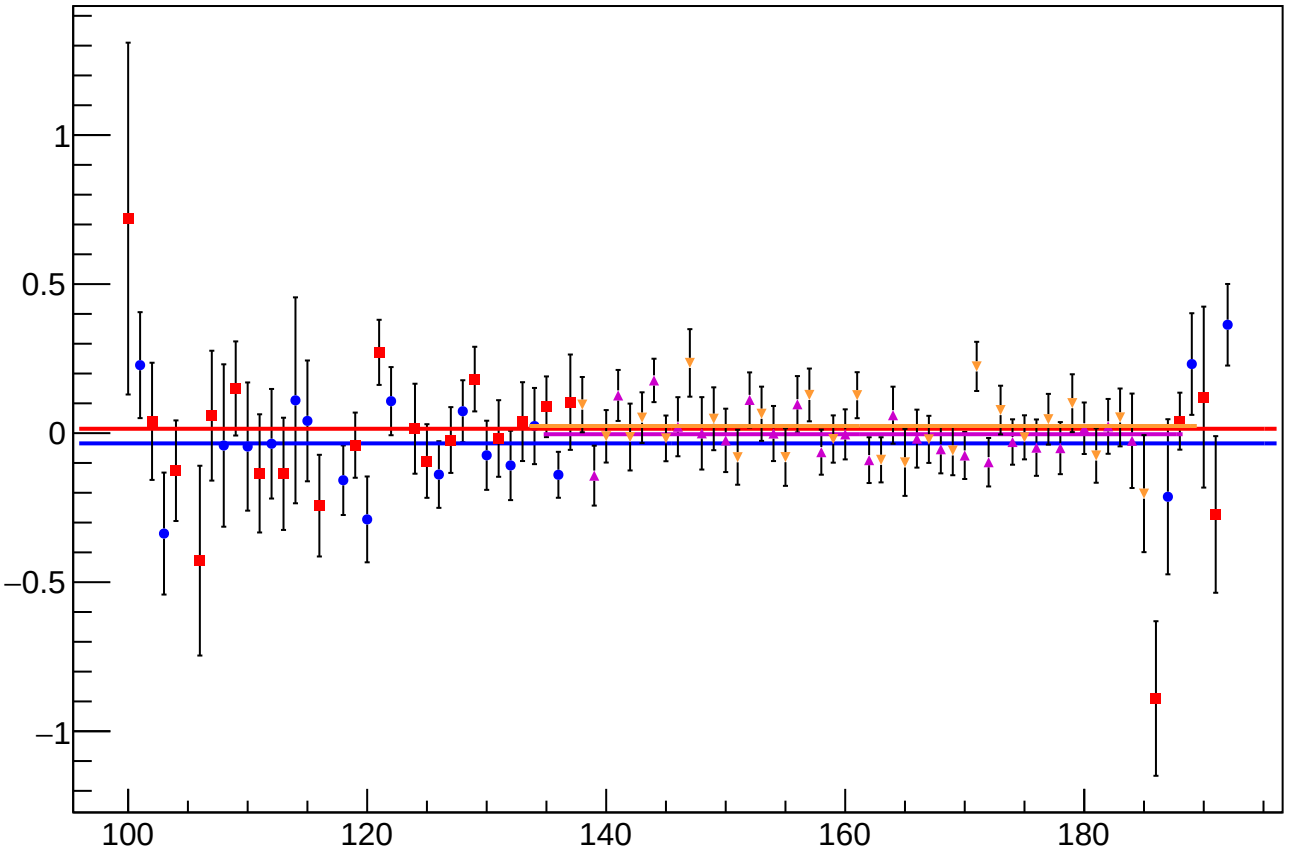
Right Out: 89.302+/-0.022 χ^2/NDF: 1382432.6/22

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

\+ sign 80.905+/-0.011 χ^2/NDF: 2021864.3/43

All: 81.194+/-0.008 χ^2/NDF: 4082092.6/89

\- sign 81.495+/-0.011 χ^2/NDF: 2058820.2/45



Right In: -0.034+/-0.032 χ^2/NDF: 26.4/18

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

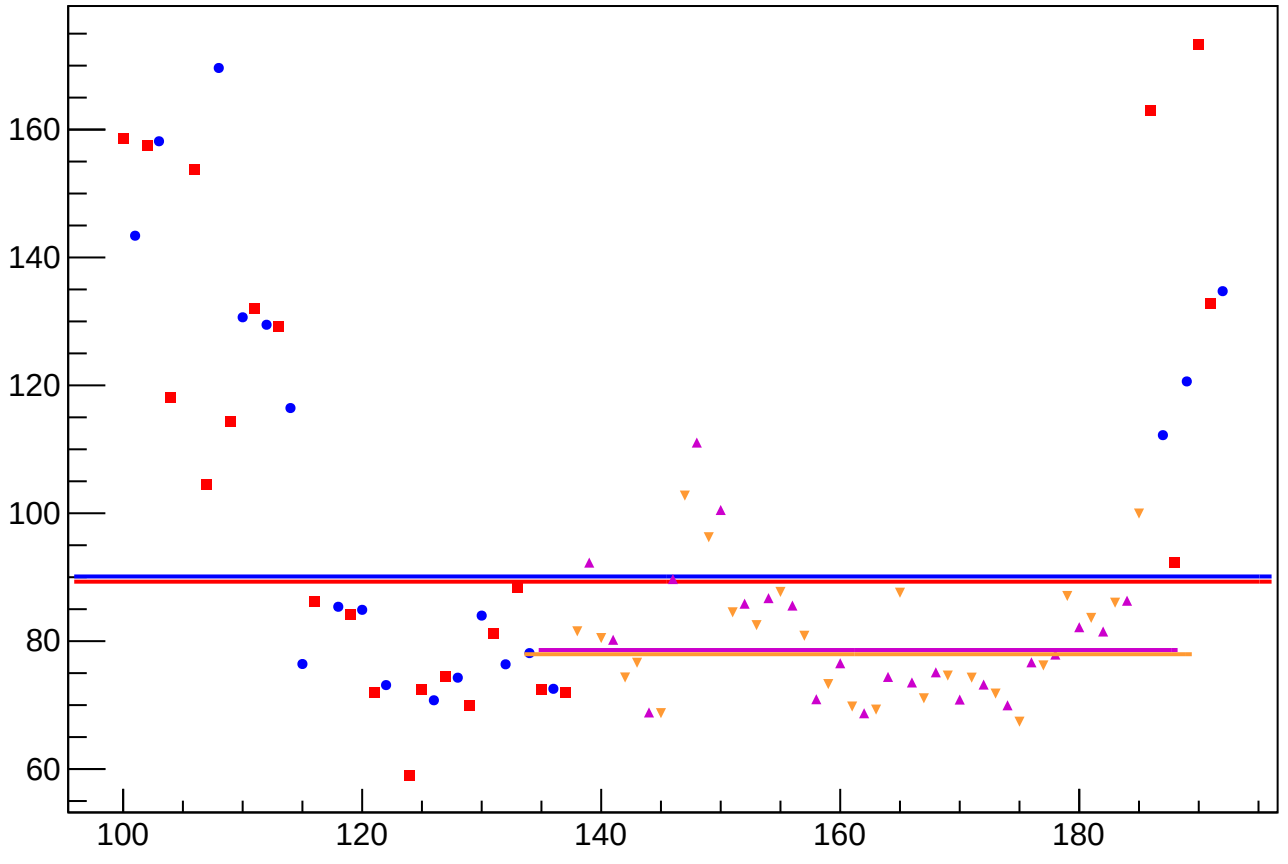
Right Out: 0.015+/-0.031 χ^2/NDF: 31.9/22

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.016 χ^2/NDF: 54.5/43

All: 0.006+/-0.011 χ^2/NDF: 105.6/89

- sign 0.001+/-0.016 χ^2/NDF: 51.0/45



Right In: 90.115+/-0.022 χ^2/NDF: 1357346.0/18

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

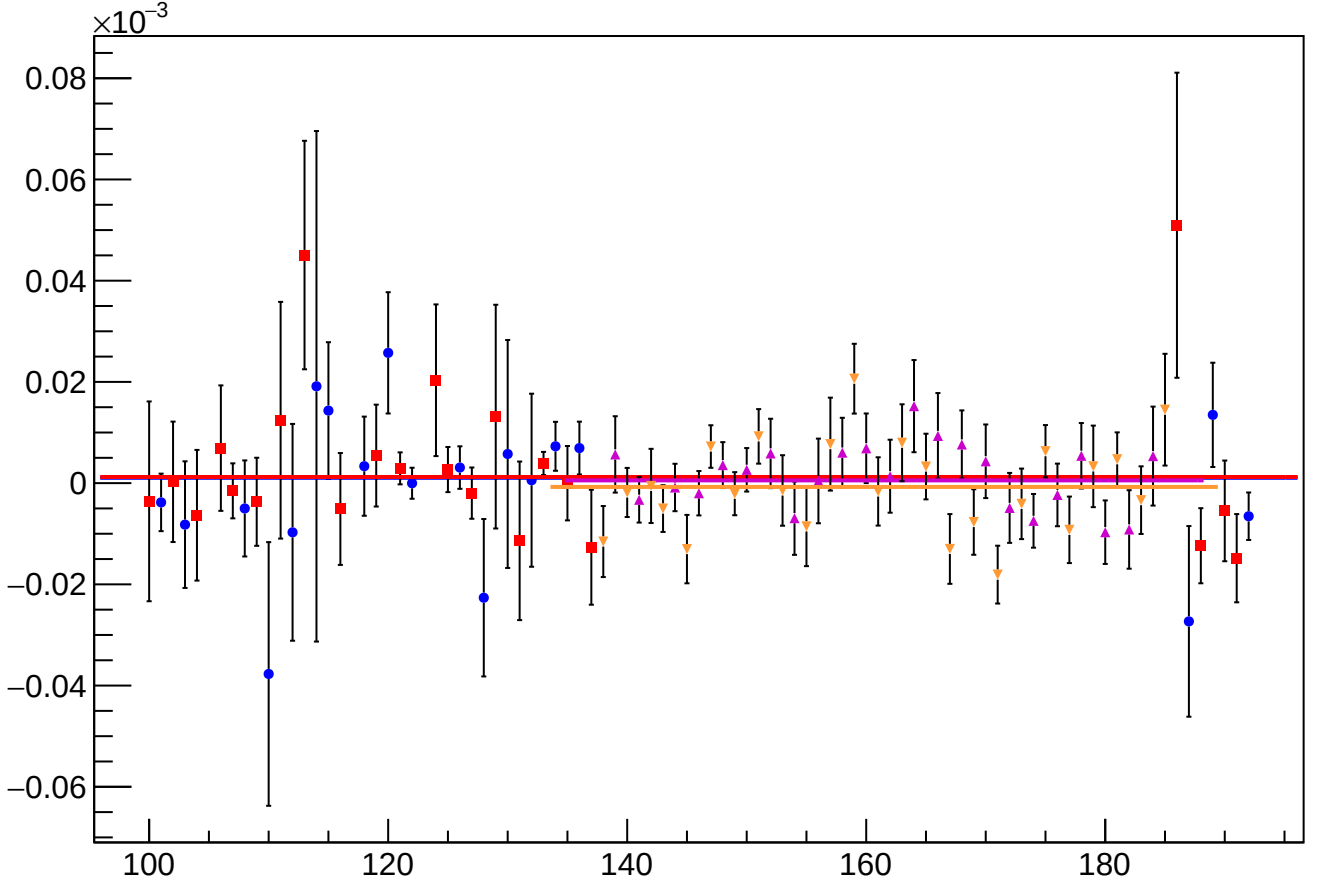
Right Out: 89.302+/-0.022 χ^2/NDF: 1382432.6/22

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

\+ sign 80.905+/-0.011 χ^2/NDF: 2021864.3/43

All: 81.194+/-0.008 χ^2/NDF: 4082092.6/89

\- sign 81.495+/-0.011 χ^2/NDF: 2058820.2/45



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

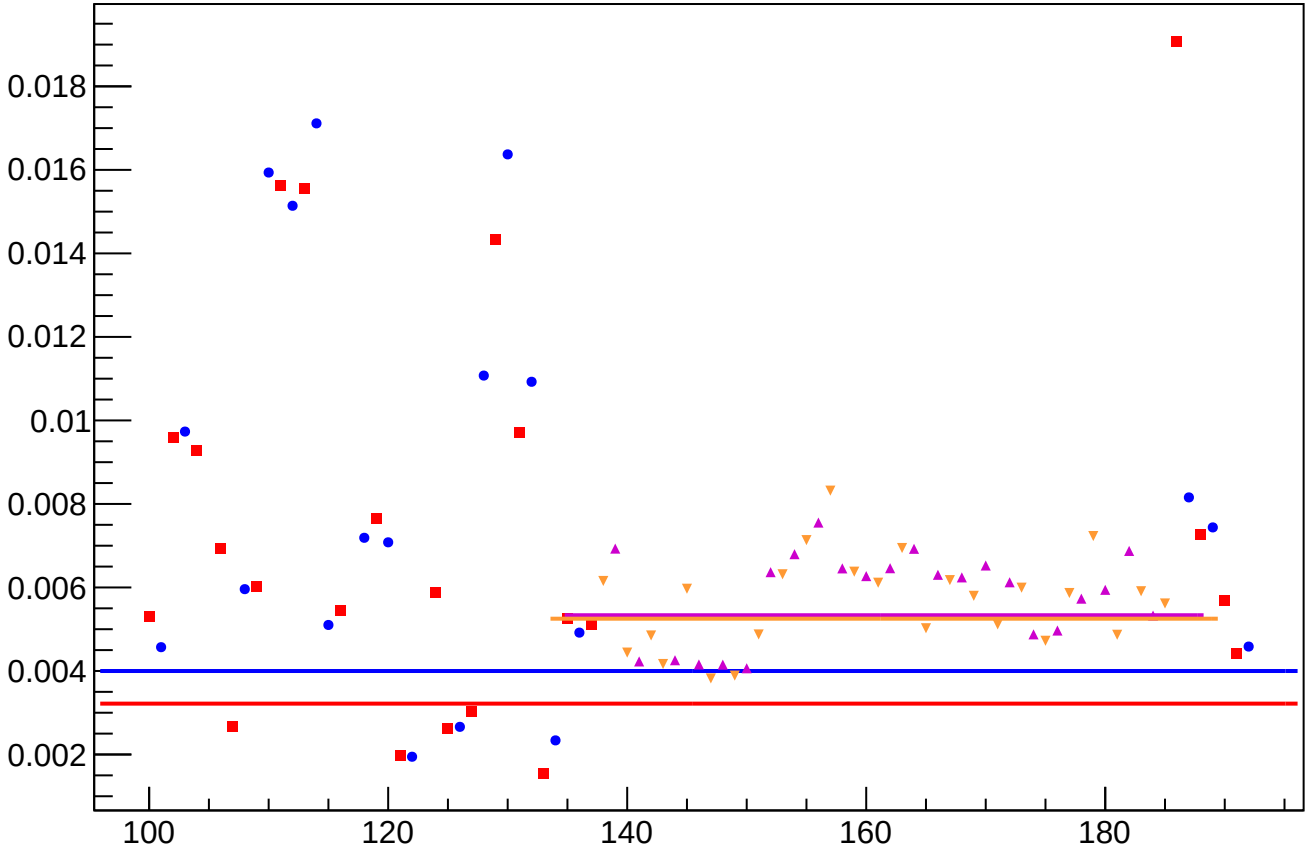
Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.9/43

All: 0.000+/-0.000 χ^2/NDF: 111.0/89

- sign 0.000+/-0.000 χ^2/NDF: 40.6/45

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 5076225.4/18

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

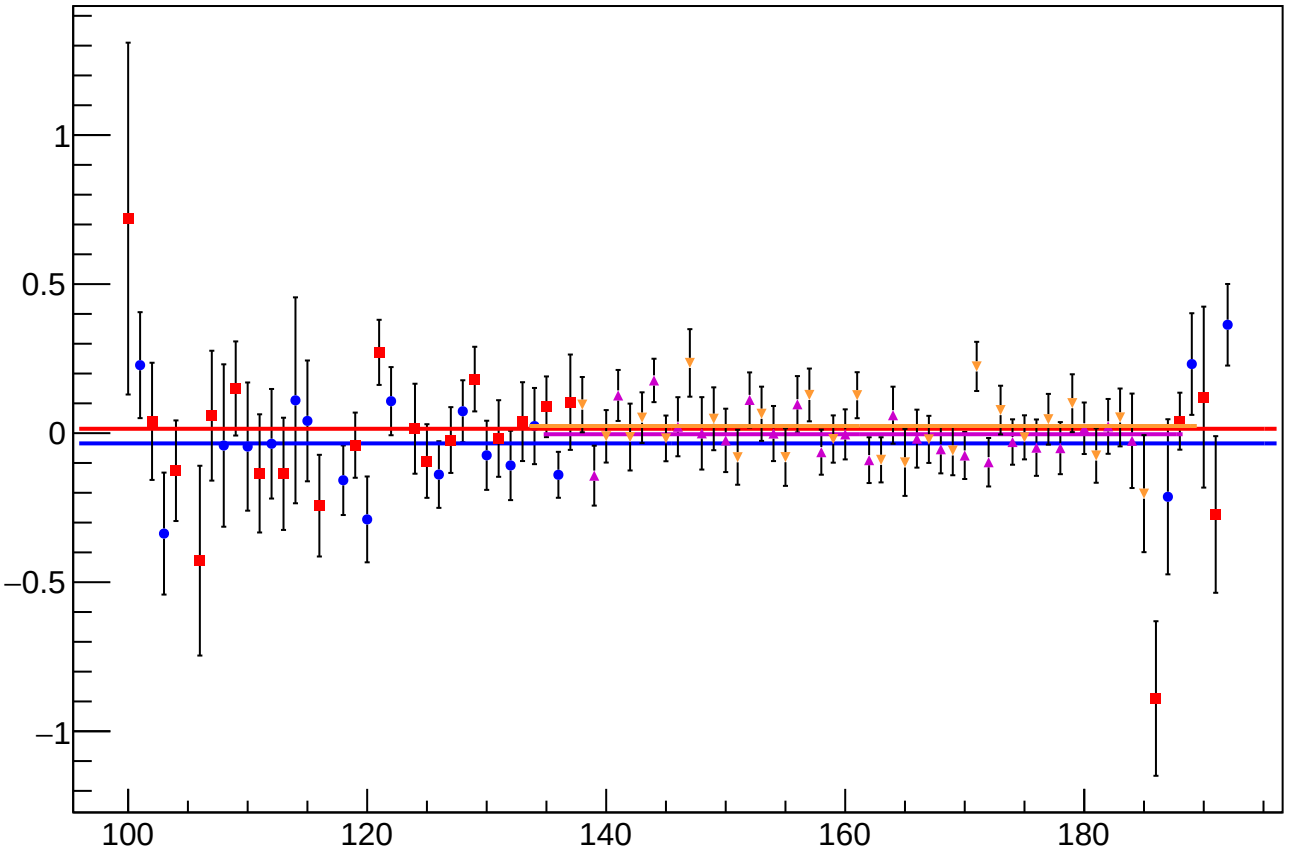
Right Out: 0.003+/-0.000 χ^2/NDF: 6924860.9/22

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 7354968.9/43

All: 0.005+/-0.000 χ^2/NDF: 18619066.9/89

- sign 0.004+/-0.000 χ^2/NDF: 11026516.7/45



Right In: -0.034+/-0.032 χ^2/NDF: 26.4/18

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

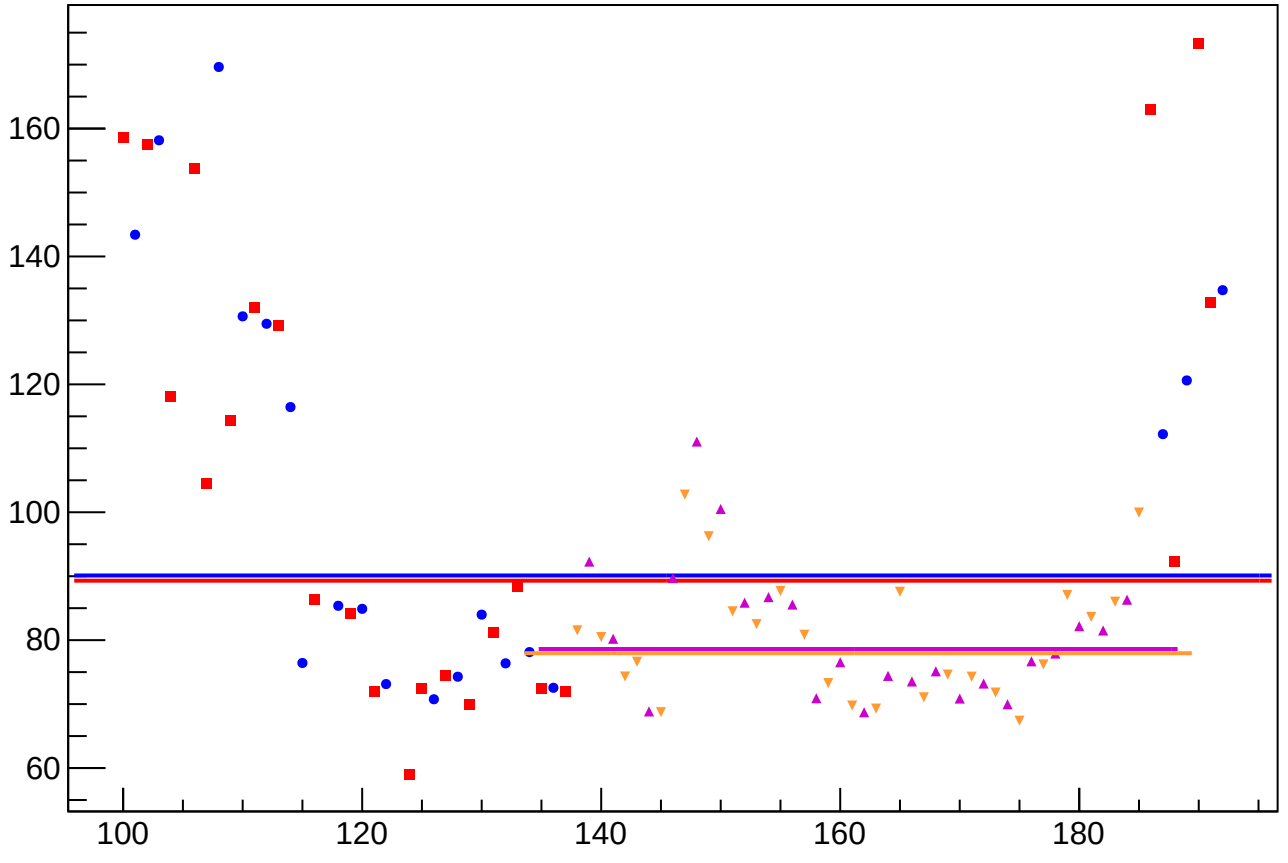
Right Out: 0.015+/-0.031 χ^2/NDF: 31.9/22

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.016 χ^2/NDF: 54.5/43

All: 0.006+/-0.011 χ^2/NDF: 105.6/89

- sign 0.001+/-0.016 χ^2/NDF: 51.0/45



Right In: 90.112+/-0.022 χ^2/NDF: 1357363.0/18

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

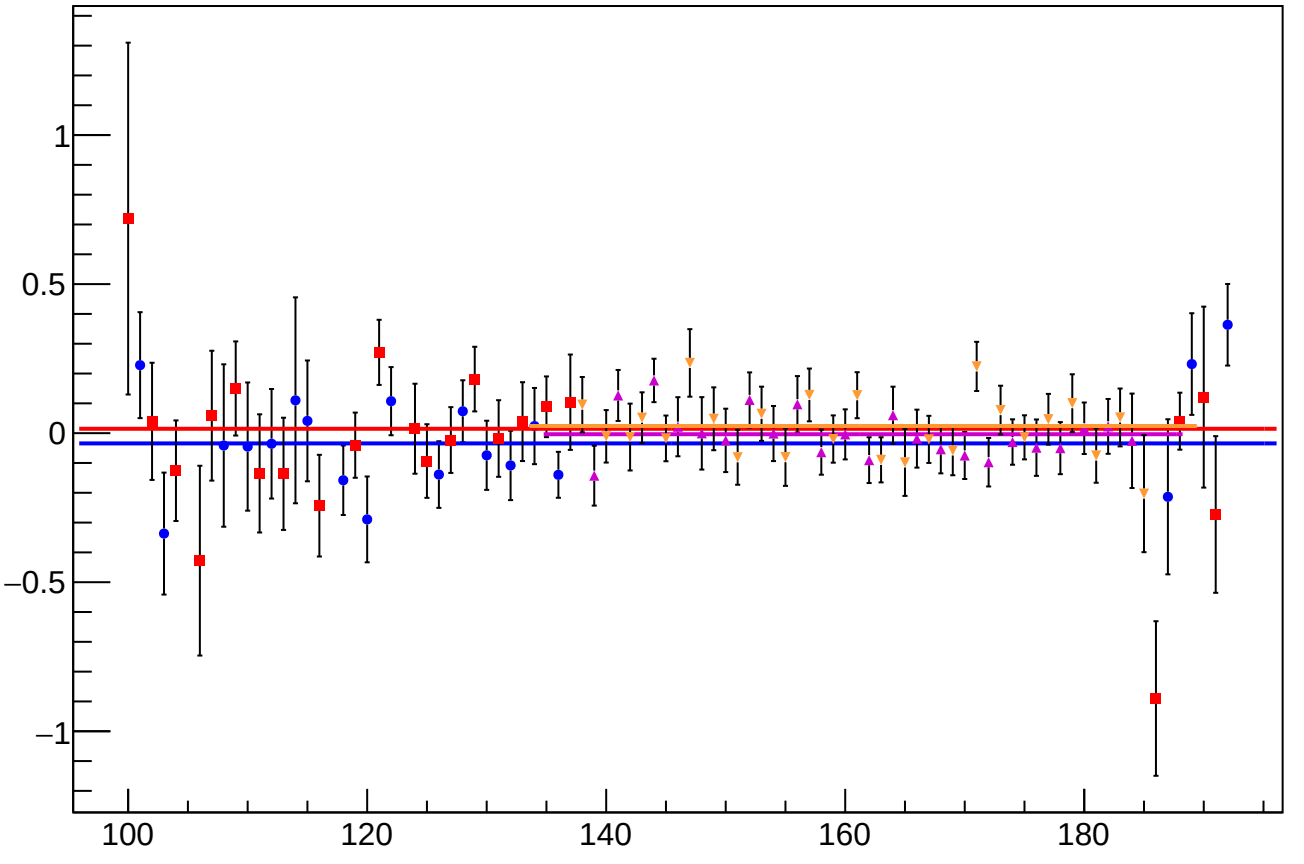
Right Out: 89.300+/-0.022 χ^2/NDF: 1382416.1/22

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 80.904+/-0.011 χ^2/NDF: 2021854.9/43

All: 81.193+/-0.008 χ^2/NDF: 4082064.0/89

- sign 81.493+/-0.011 χ^2/NDF: 2058801.9/45



Right In: -0.034+/-0.032 χ^2/NDF: 26.4/18

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

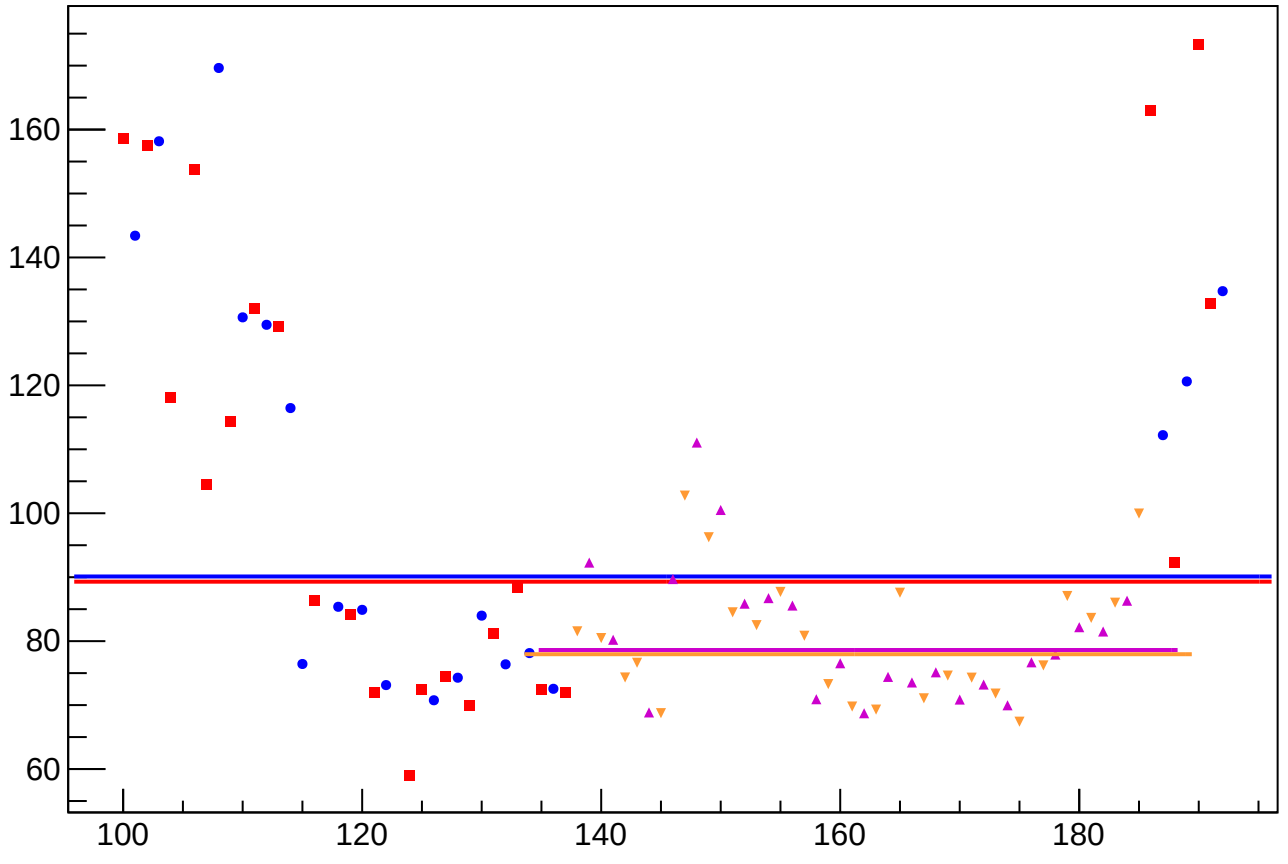
Right Out: 0.015+/-0.031 χ^2/NDF: 31.9/22

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.016 χ^2/NDF: 54.5/43

All: 0.006+/-0.011 χ^2/NDF: 105.6/89

- sign 0.001+/-0.016 χ^2/NDF: 51.0/45



Right In: 90.112+/-0.022 χ^2/NDF: 1357363.0/18

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

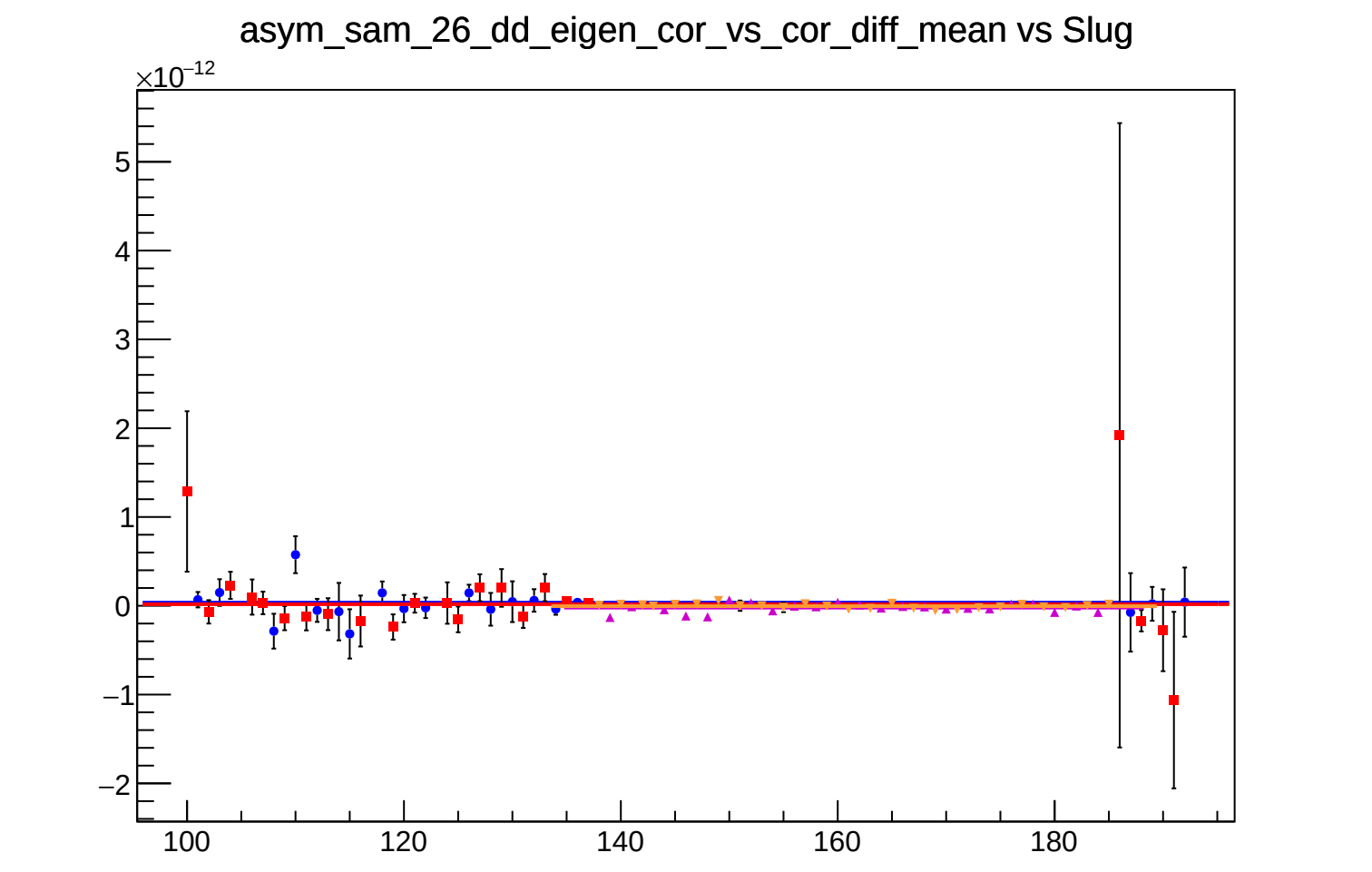
Right Out: 89.300+/-0.022 χ^2/NDF: 1382416.1/22

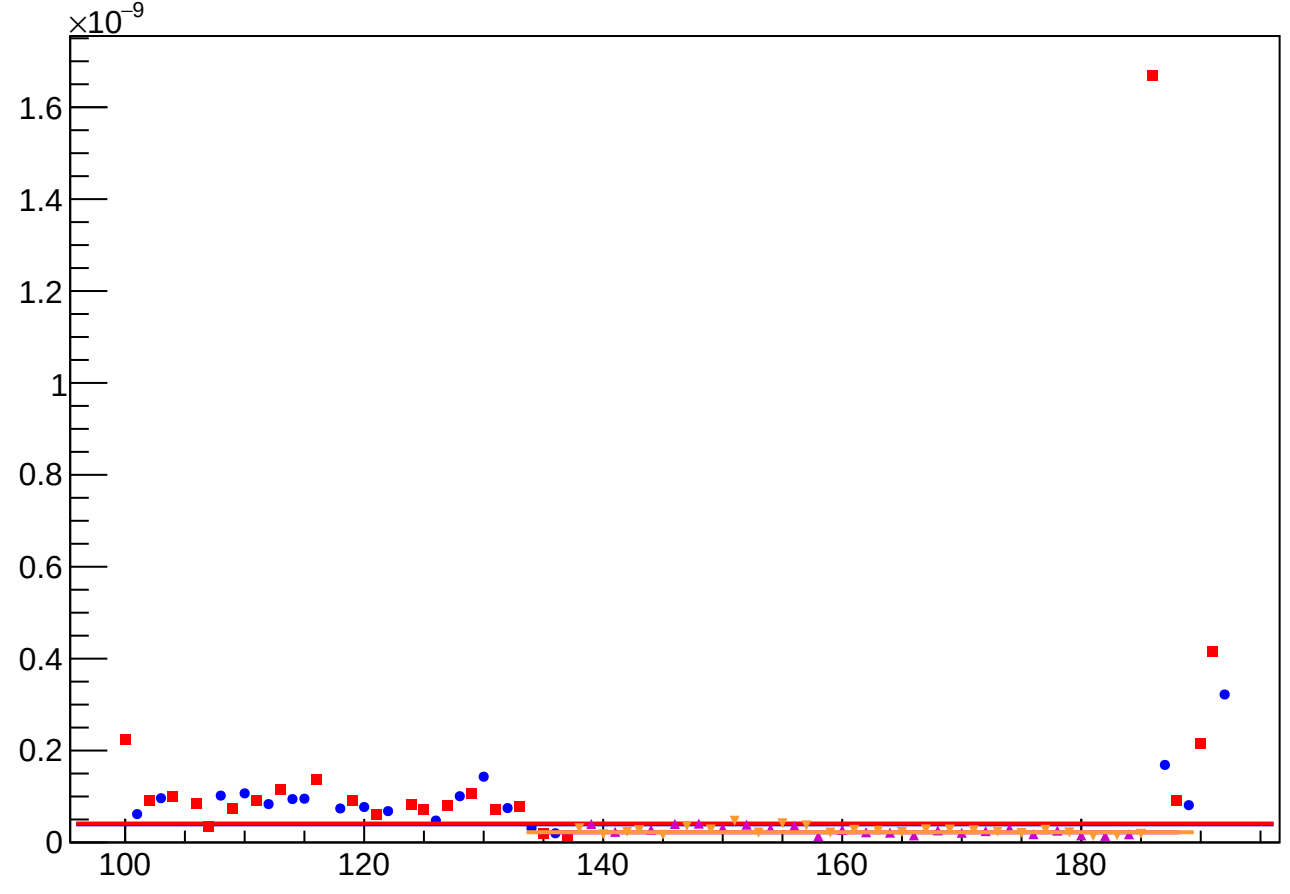
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 80.904+/-0.011 χ^2/NDF: 2021854.9/43

All: 81.193+/-0.008 χ^2/NDF: 4082064.0/89

- sign 81.493+/-0.011 χ^2/NDF: 2058801.9/45


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
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
+ sign -0.000+/-0.000 χ²/NDF: 32.9/43
All: -0.000+/-0.000 χ²/NDF: 102.0/89
- sign -0.000+/-0.000 χ²/NDF: 65.2/45



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

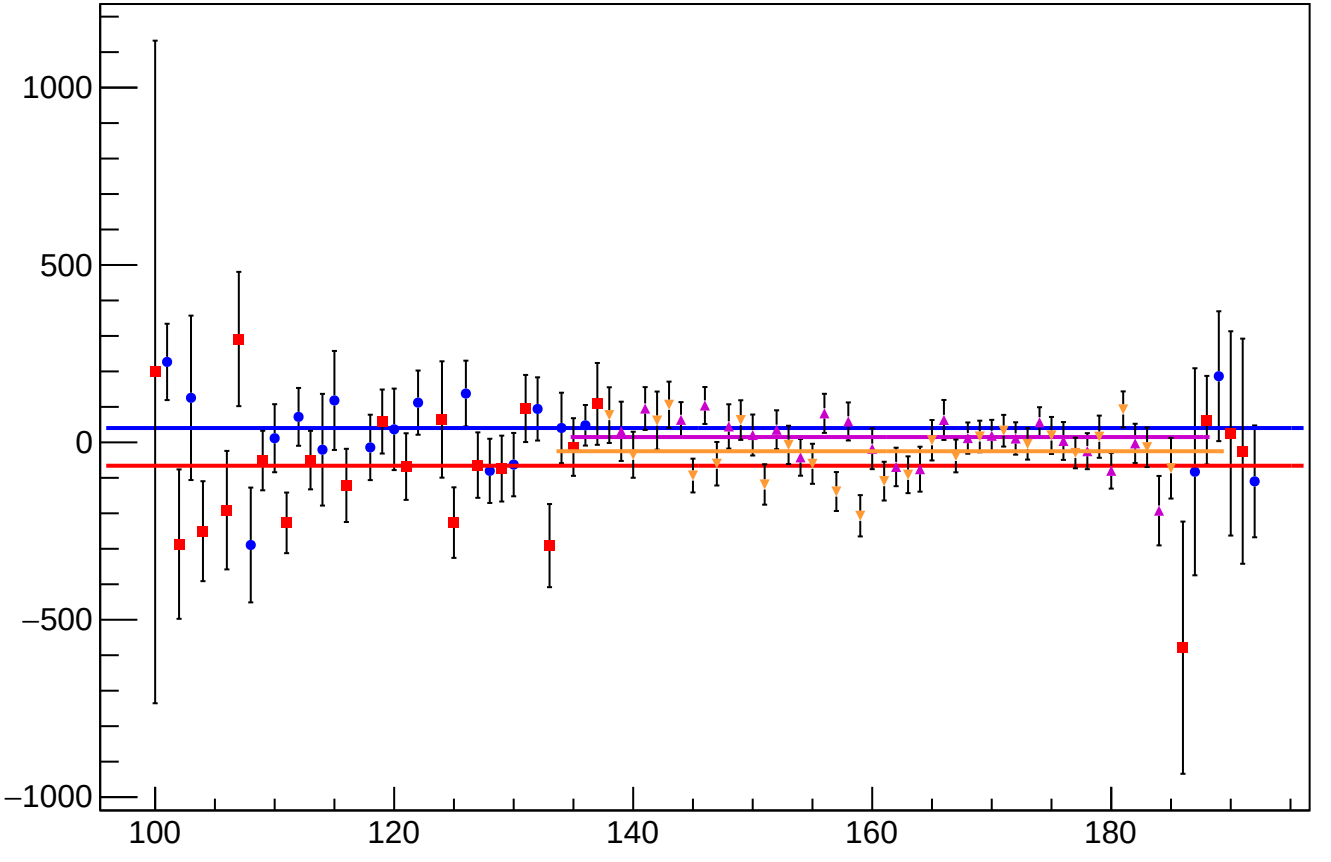
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8382533.1/43

All: 0.000+/-0.000 χ^2/NDF: 18104114.6/89

- sign 0.000+/-0.000 χ^2/NDF: 9721052.8/45

reg_asym_sam_37_dd_mean vs Slug



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

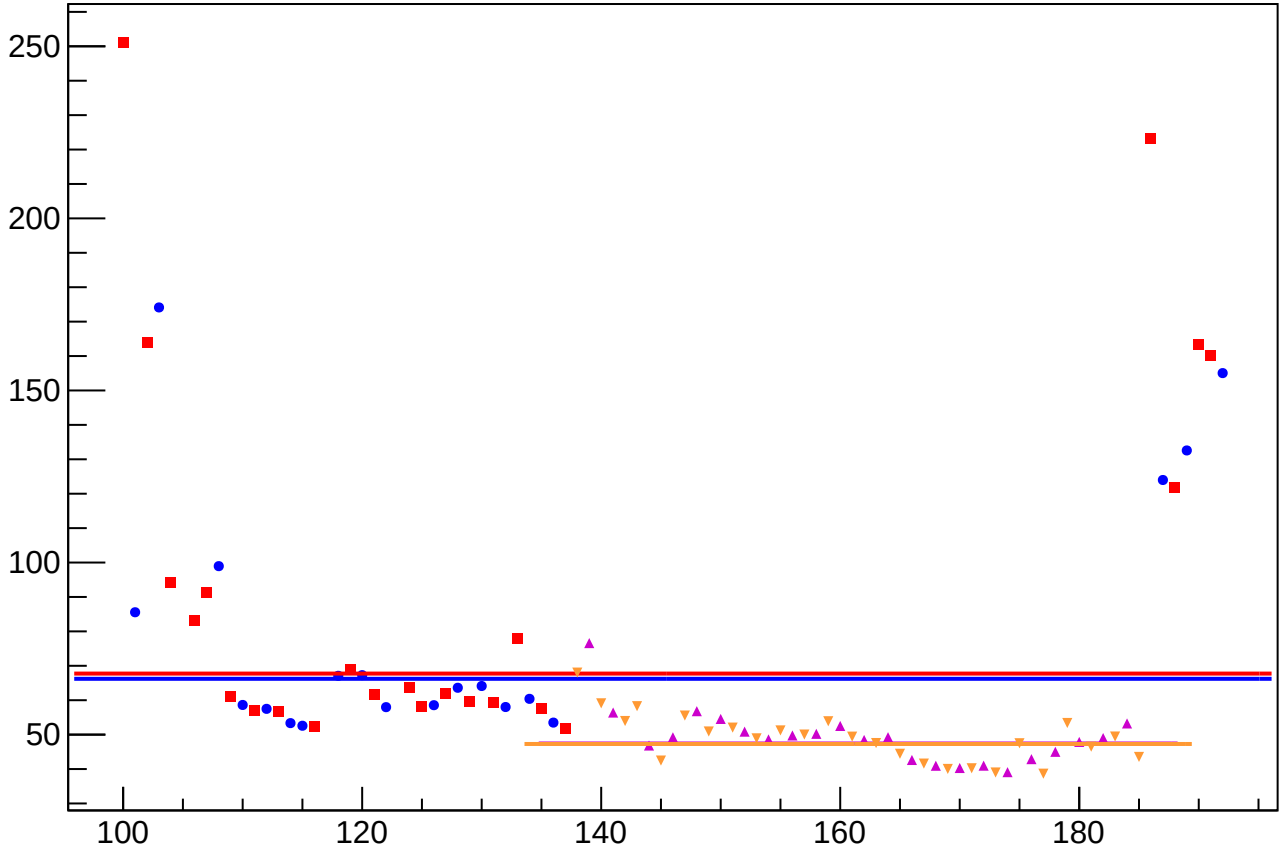
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.553+/-9.890 χ^2/NDF: 64.7/43

All: -6.824+/-7.081 χ^2/NDF: 128.5/89

- sign 0.256+/-10.144 χ^2/NDF: 62.8/45

reg_asym_sam_37_dd_rms vs Slug



Right In: 66.218+/-0.017 χ^2/NDF: 1780298.2/18

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

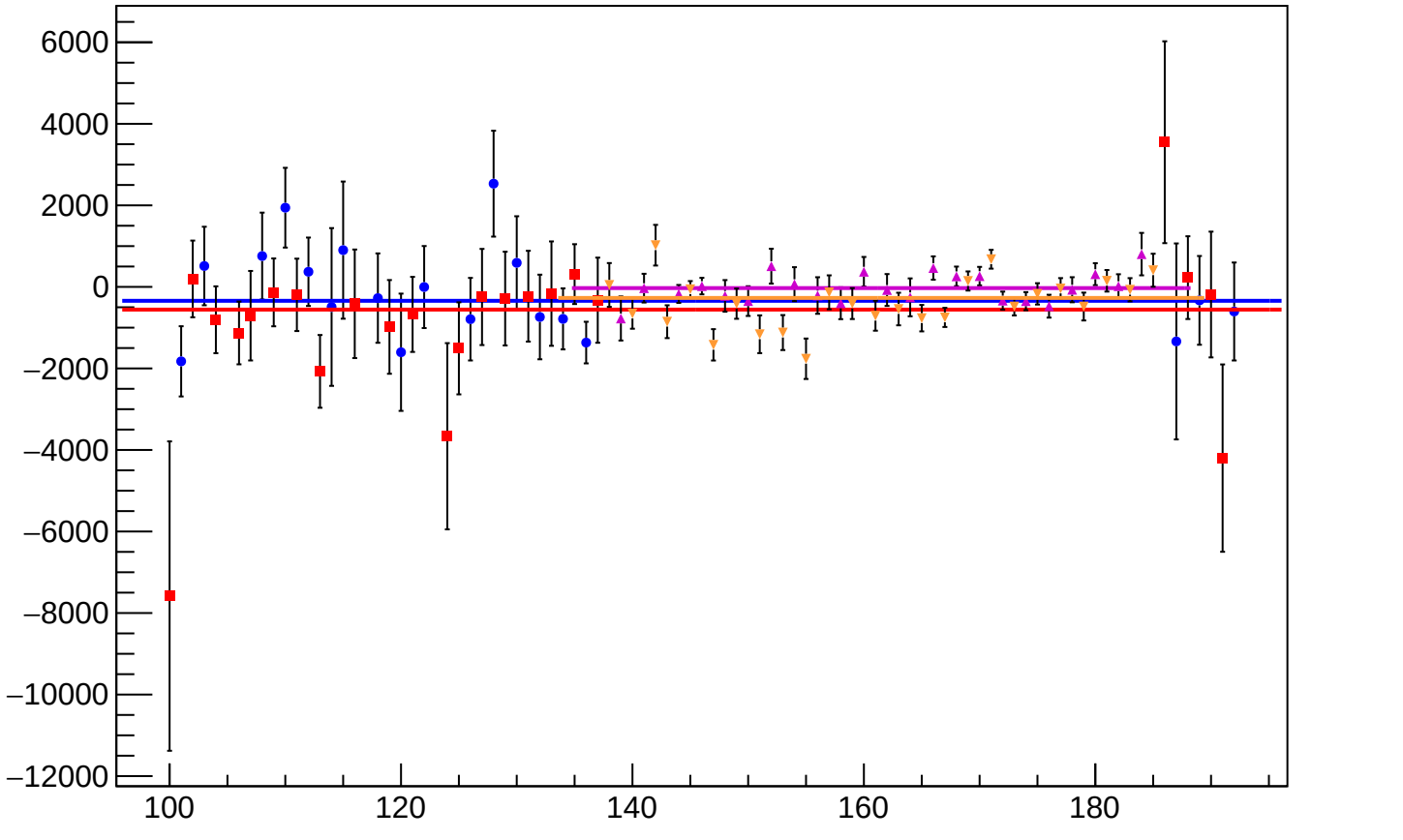
Right Out: 67.737+/-0.017 χ^2/NDF: 2036924.7/22

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.595+/-0.007 χ^2/NDF: 3555565.9/43

All: 50.855+/-0.005 χ^2/NDF: 7446131.6/89

- sign 51.127+/-0.007 χ^2/NDF: 3887748.6/45



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

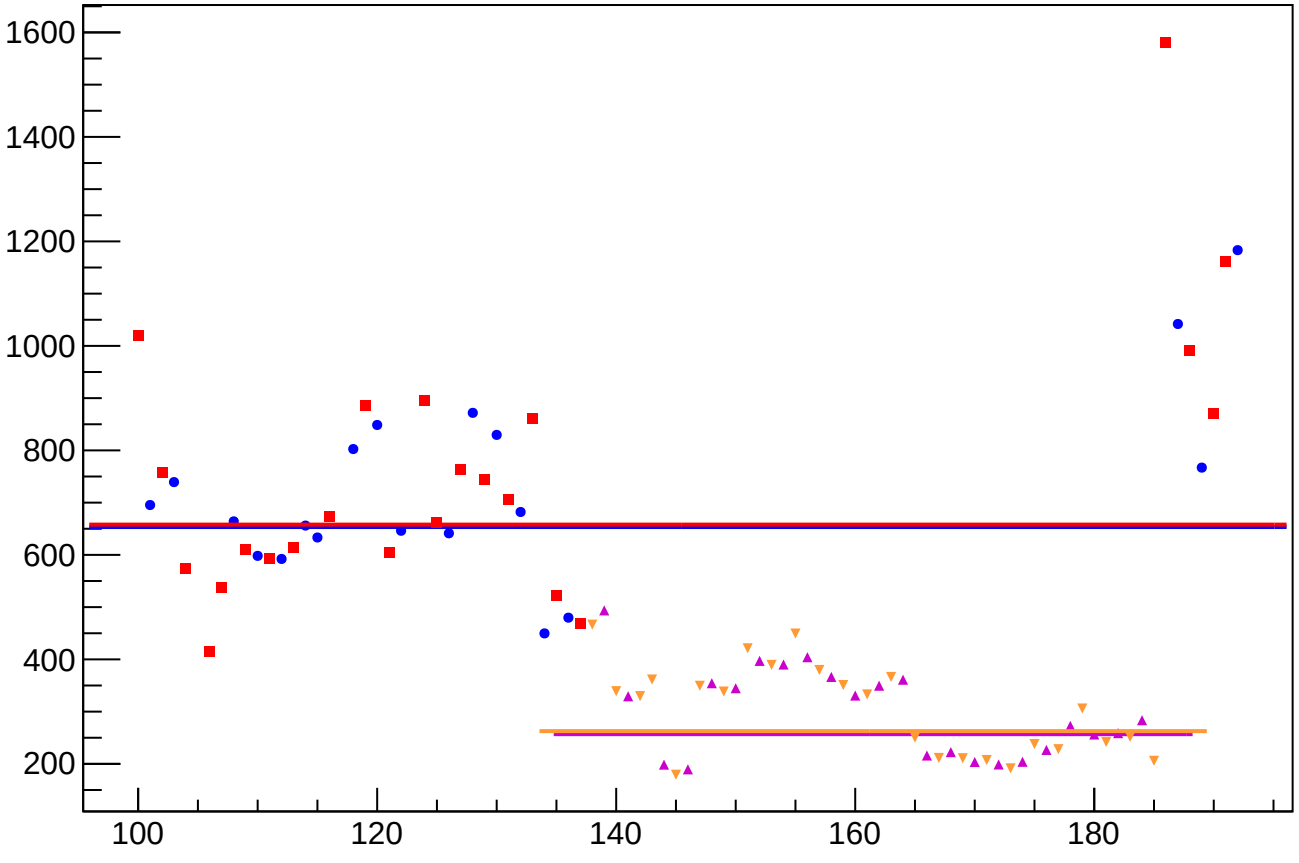
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -275.933+/-60.132 χ^2/NDF: 96.9/43

All: -172.197+/-42.593 χ^2/NDF: 150.9/89

- sign -67.748+/-60.339 χ^2/NDF: 48.0/45

asym_sam_37_dd_reg_correction_rms vs Slug



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

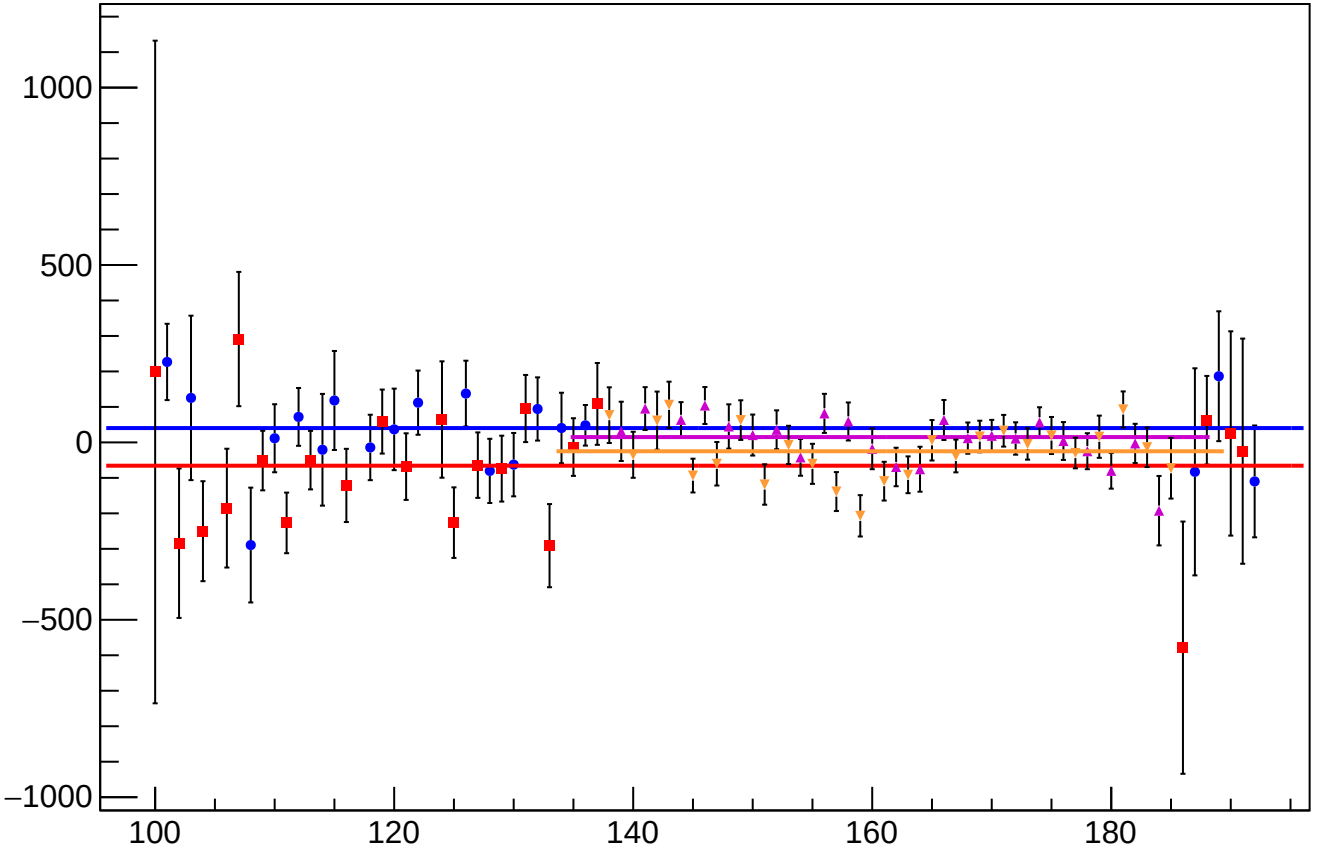
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

\+ sign 289.930+/-0.043 χ^2/NDF: 9431481.8/43

All: 288.040+/-0.030 χ^2/NDF: 19314679.9/89

\- sign 286.137+/-0.043 χ^2/NDF: 9879232.0/45

cor_asym_sam_37_dd_mean vs Slug



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

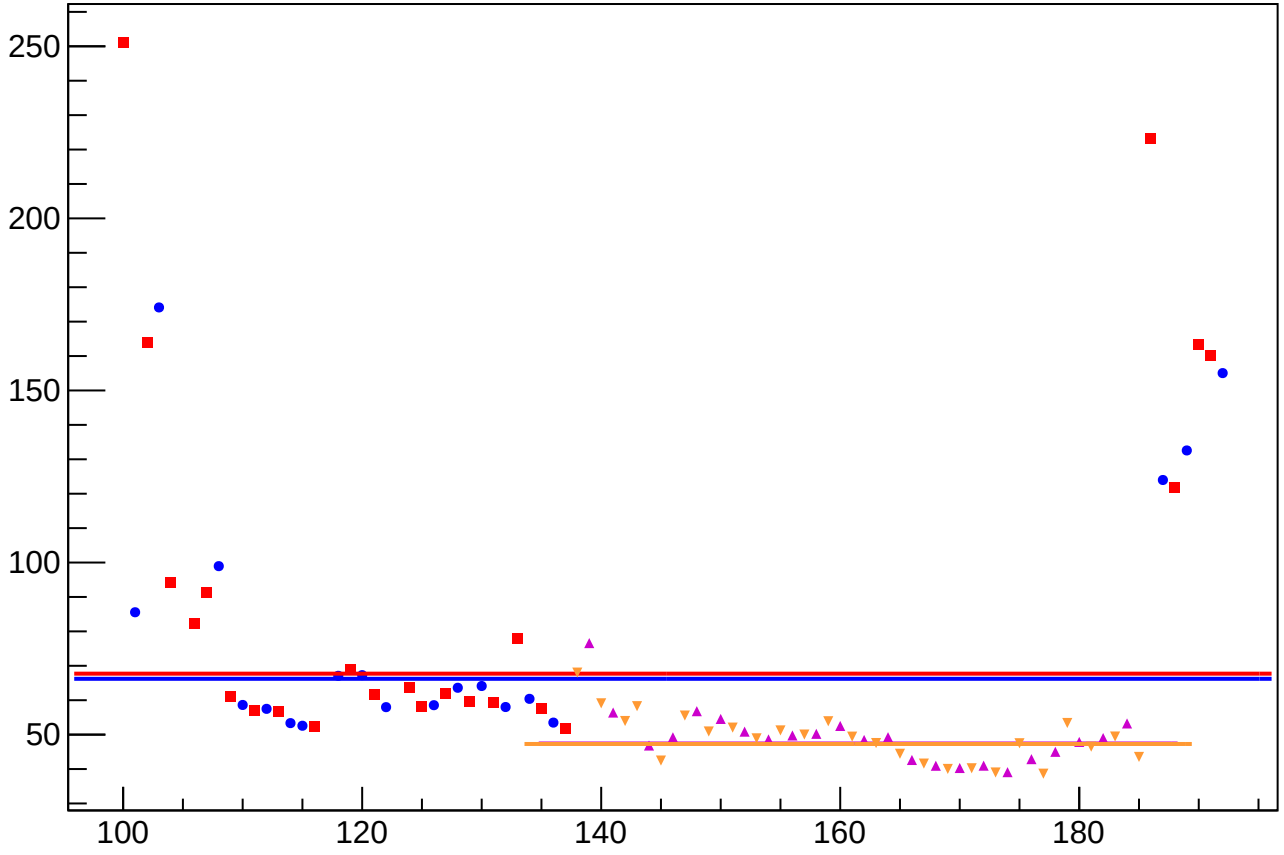
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.552+/-9.890 χ^2/NDF: 64.7/43

All: -6.808+/-7.081 χ^2/NDF: 128.4/89

- sign 0.288+/-10.144 χ^2/NDF: 62.7/45

cor_asym_sam_37_dd_rms vs Slug



Right In: 66.218+/-0.017 χ^2/NDF: 1780300.4/18

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

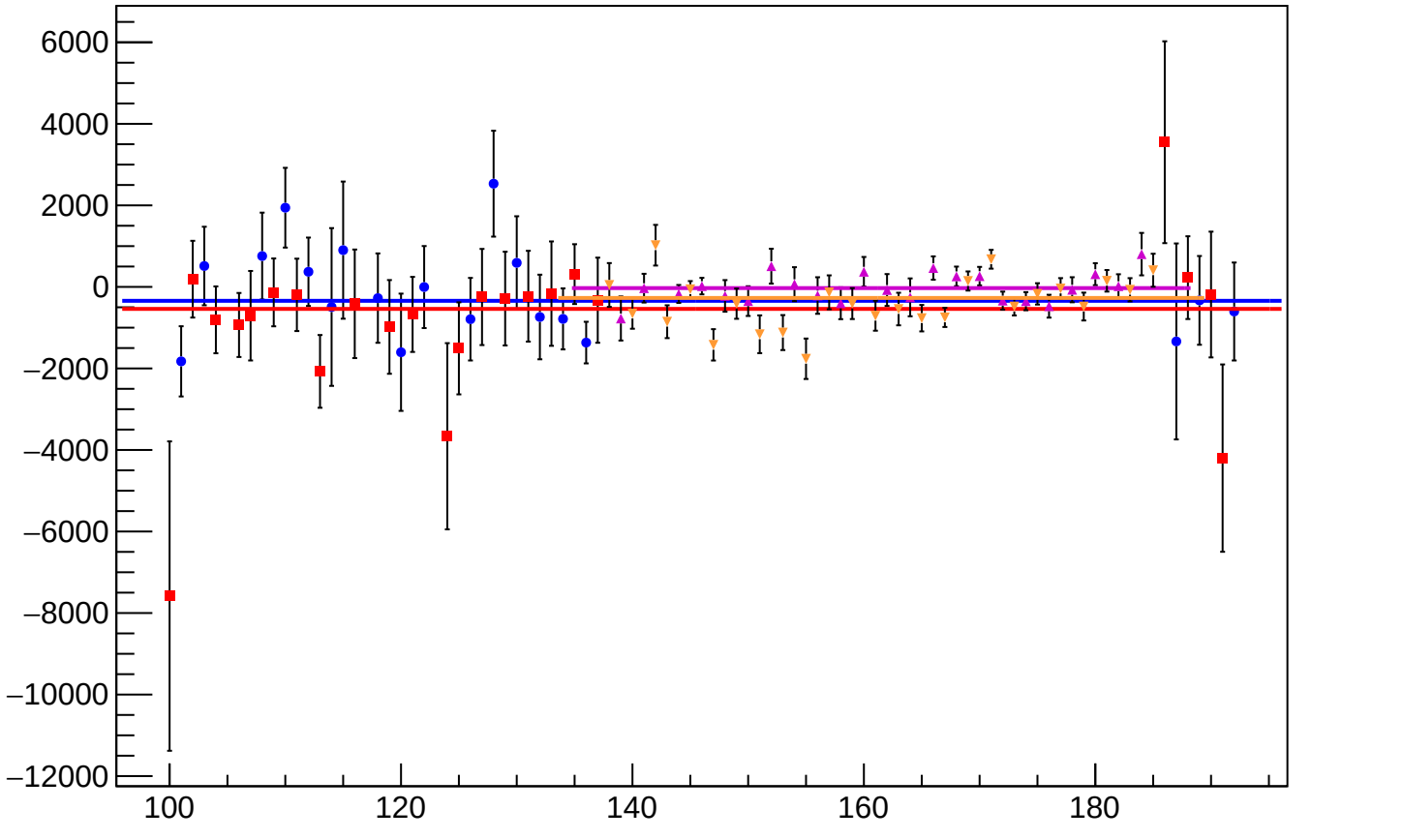
Right Out: 67.714+/-0.017 χ^2/NDF: 2034824.2/22

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.595+/-0.007 χ^2/NDF: 3555567.6/43

All: 50.852+/-0.005 χ^2/NDF: 7441240.2/89

- sign 51.123+/-0.007 χ^2/NDF: 3882902.3/45



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

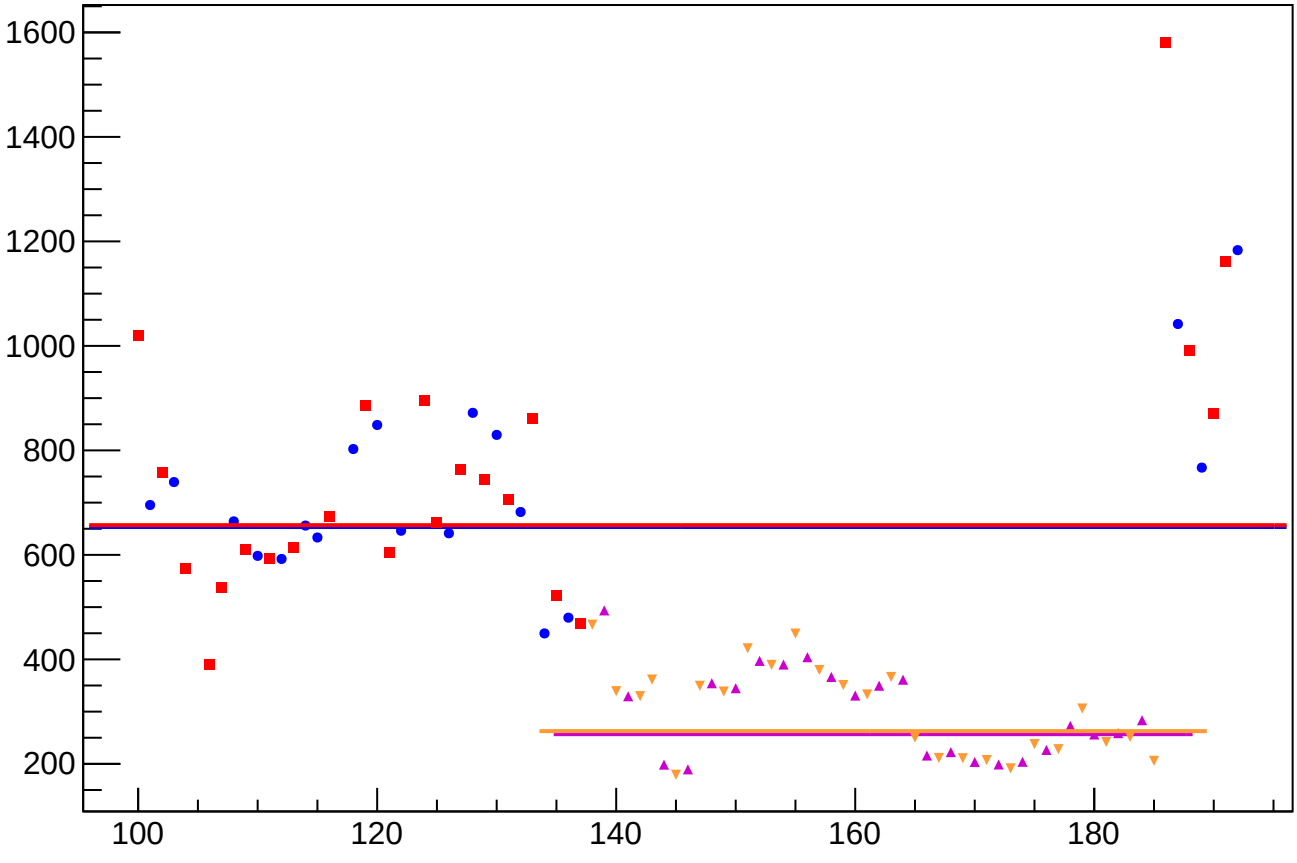
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -275.928+/-60.132 χ^2/NDF: 96.9/43

All: -171.525+/-42.595 χ^2/NDF: 150.3/89

- sign -66.377+/-60.346 χ^2/NDF: 47.3/45

asym_sam_37_dd_cor_correction_rms vs Slug



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

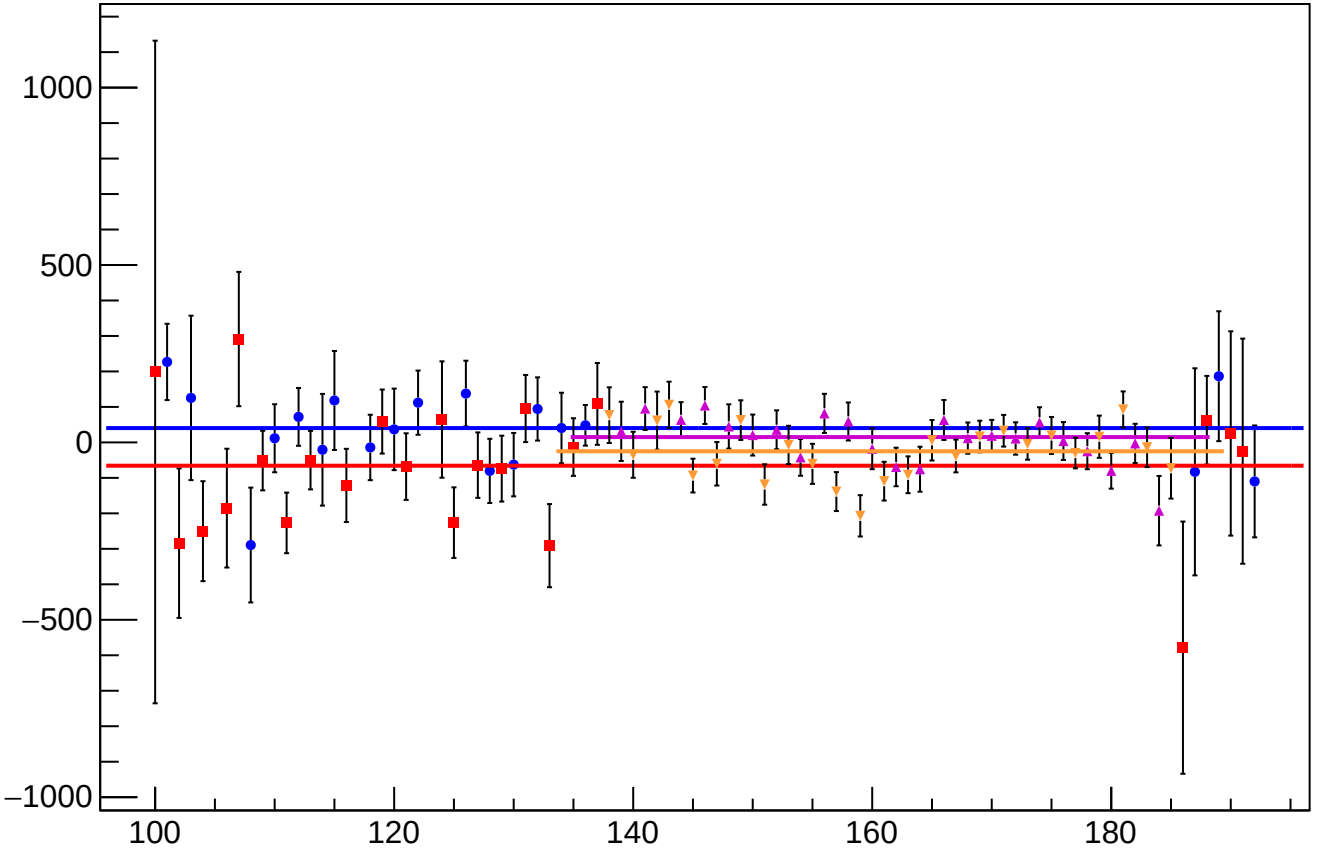
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 289.930+/-0.043 χ^2/NDF: 9431536.9/43

All: 287.955+/-0.030 χ^2/NDF: 19295744.7/89

- sign 285.967+/-0.043 χ^2/NDF: 9859879.1/45

eigen_cor_asym_sam_37_dd_mean vs Slug



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

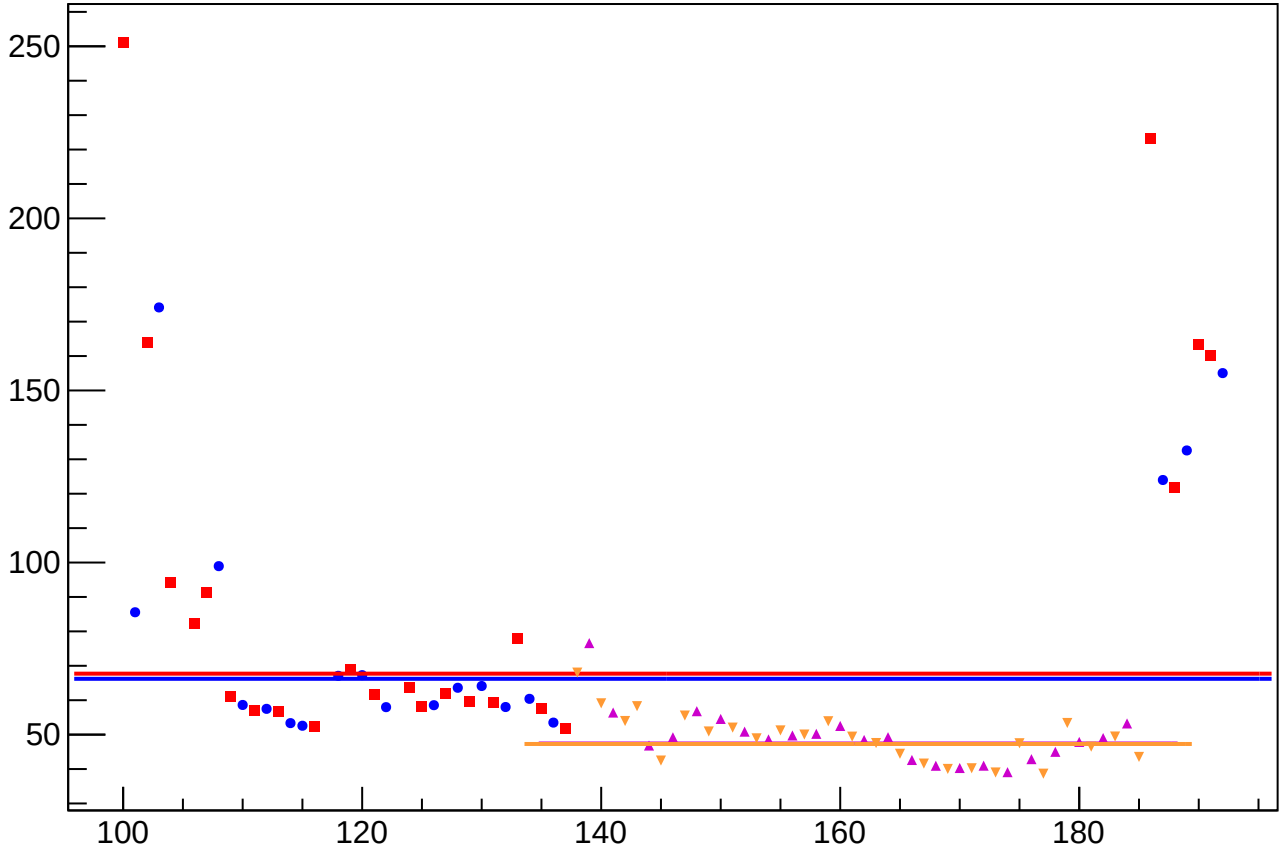
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.552+/-9.890 χ^2/NDF: 64.7/43

All: -6.808+/-7.081 χ^2/NDF: 128.4/89

- sign 0.288+/-10.144 χ^2/NDF: 62.7/45

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 66.218+/-0.017 χ^2/NDF: 1780300.4/18

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

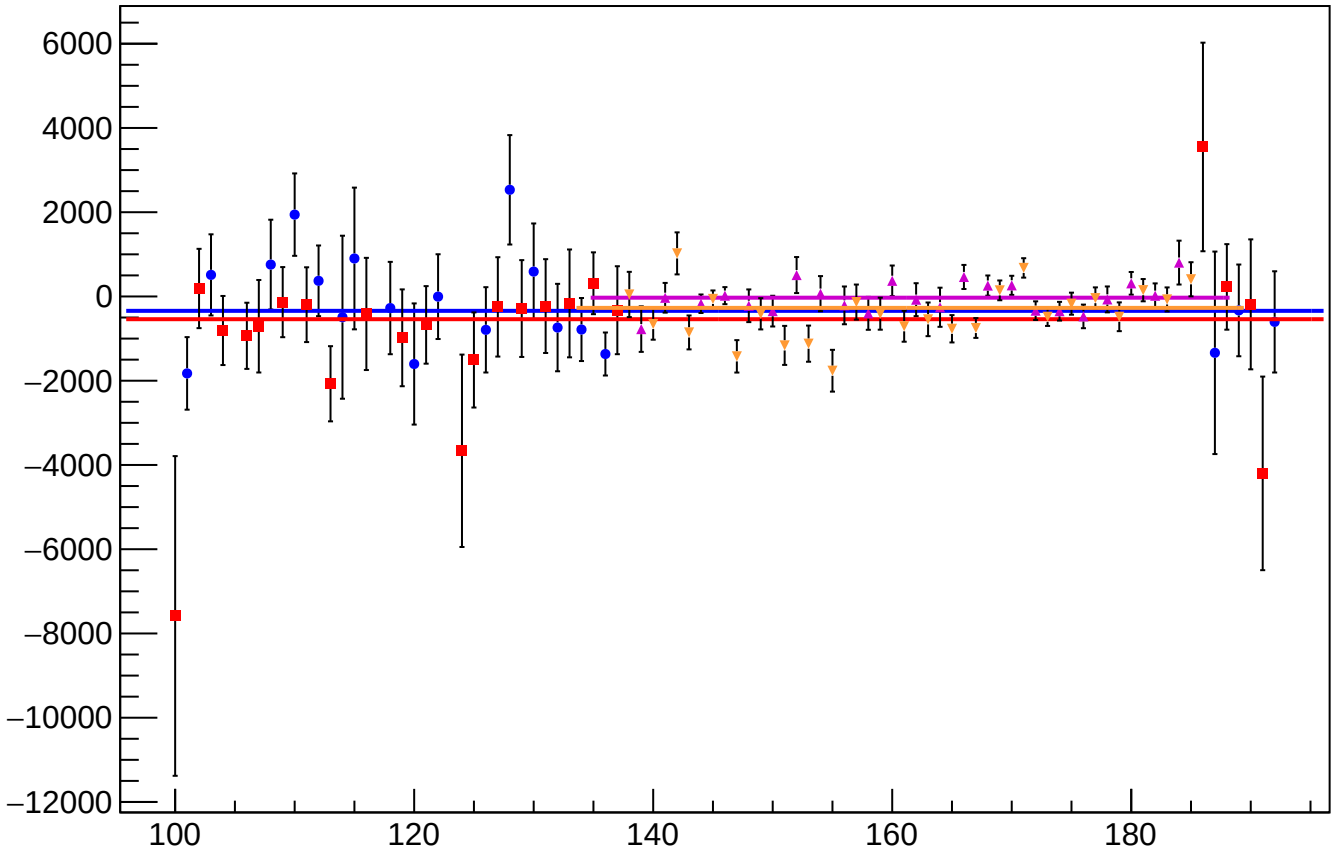
Right Out: 67.714+/-0.017 χ^2/NDF: 2034824.2/22

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.595+/-0.007 χ^2/NDF: 3555567.6/43

All: 50.852+/-0.005 χ^2/NDF: 7441240.2/89

- sign 51.123+/-0.007 χ^2/NDF: 3882902.3/45



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

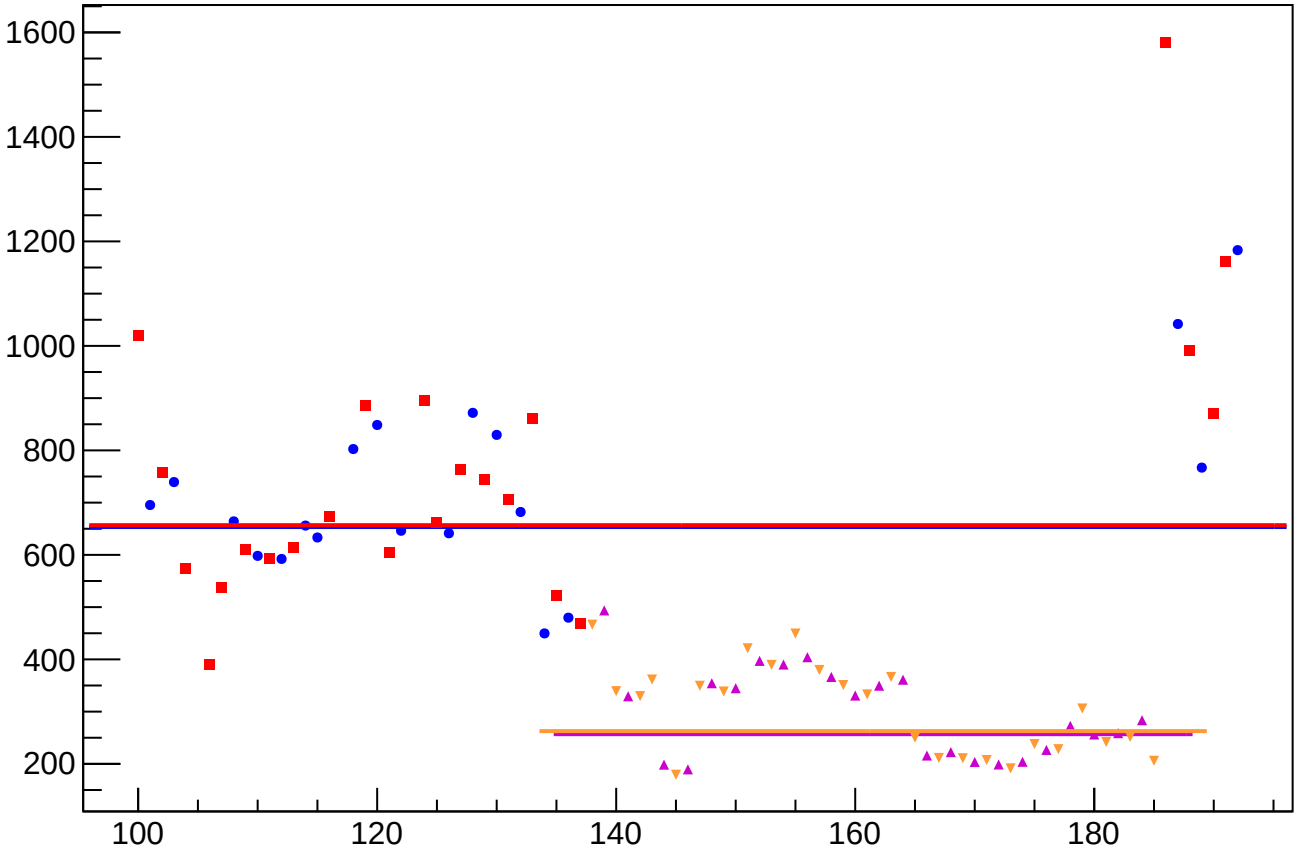
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -275.928+/-60.132 χ^2/NDF: 96.9/43

All: -171.525+/-42.595 χ^2/NDF: 150.3/89

- sign -66.377+/-60.346 χ^2/NDF: 47.3/45

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



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

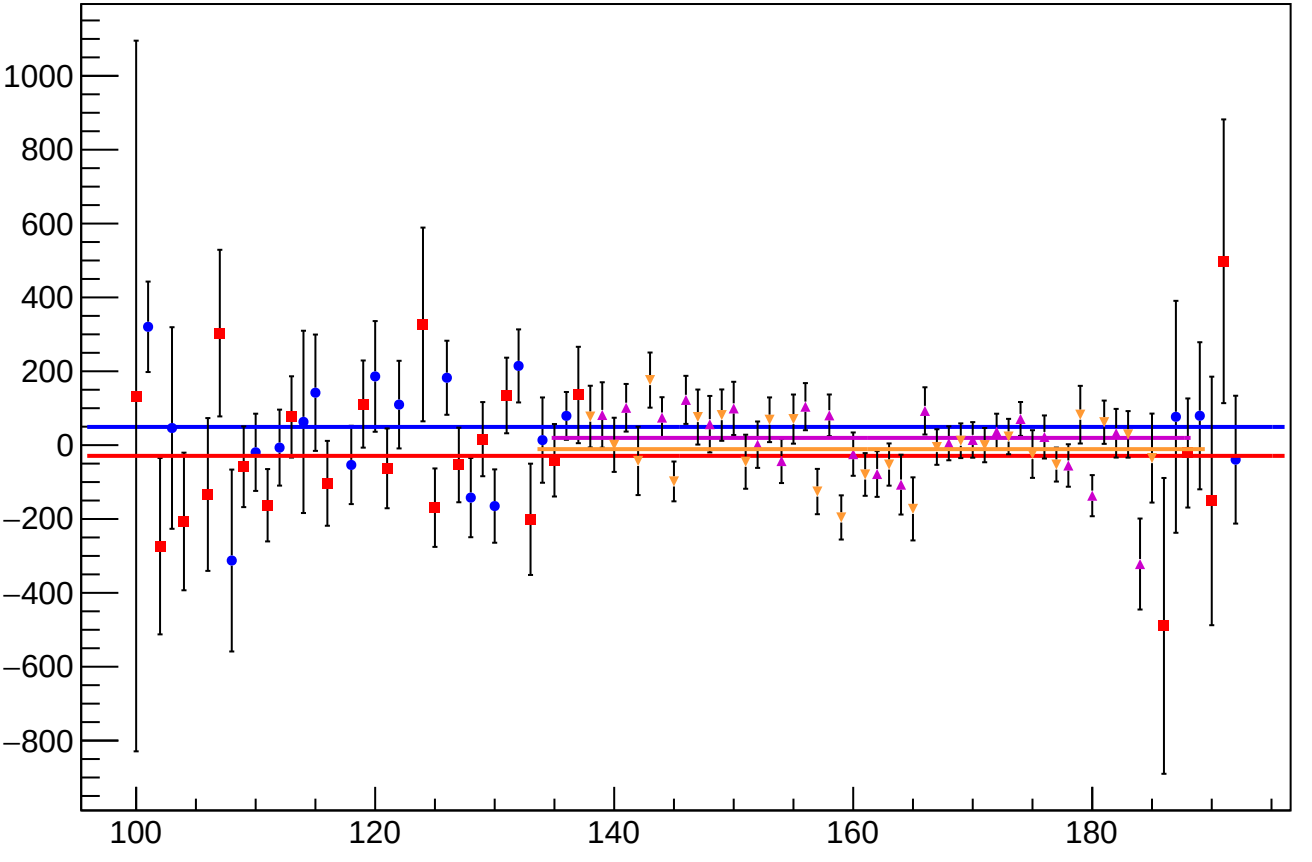
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 289.930+/-0.043 χ^2/NDF: 9431536.9/43

All: 287.955+/-0.030 χ^2/NDF: 19295744.7/89

- sign 285.967+/-0.043 χ^2/NDF: 9859879.1/45

dit_asym_sam_37_dd_mean vs Slug



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

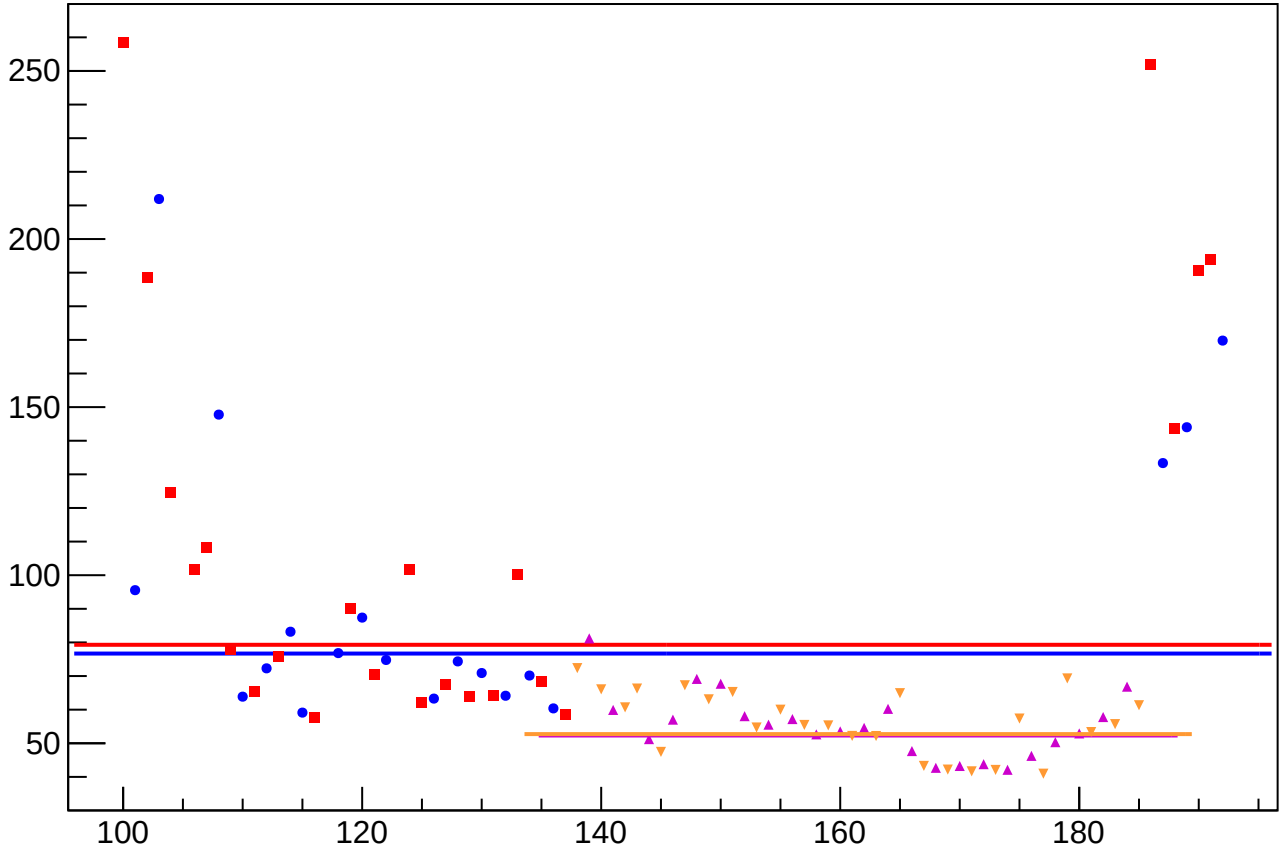
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -0.832+/-11.237 χ^2/NDF: 67.5/43

All: 5.225+/-8.023 χ^2/NDF: 129.2/89

- sign 11.523+/-11.458 χ^2/NDF: 61.1/45

dit_asym_sam_37_dd_rms vs Slug



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

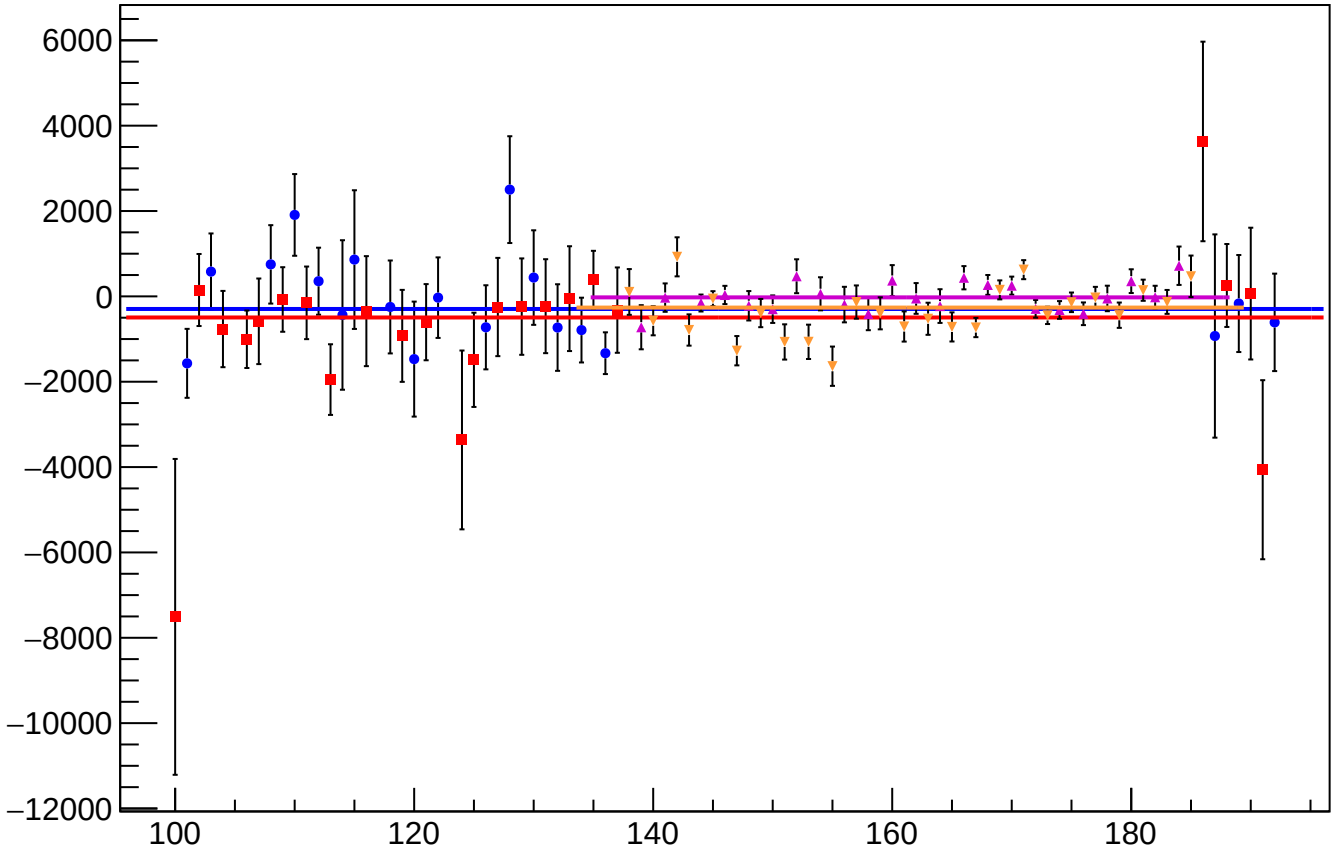
Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 56.712+/-0.008 χ^2/NDF: 4283528.8/43

All: 56.751+/-0.006 χ^2/NDF: 8966799.6/89

- sign 56.792+/-0.008 χ^2/NDF: 4683221.6/45

asym_sam_37_dd_dit_correction_mean vs Slug



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

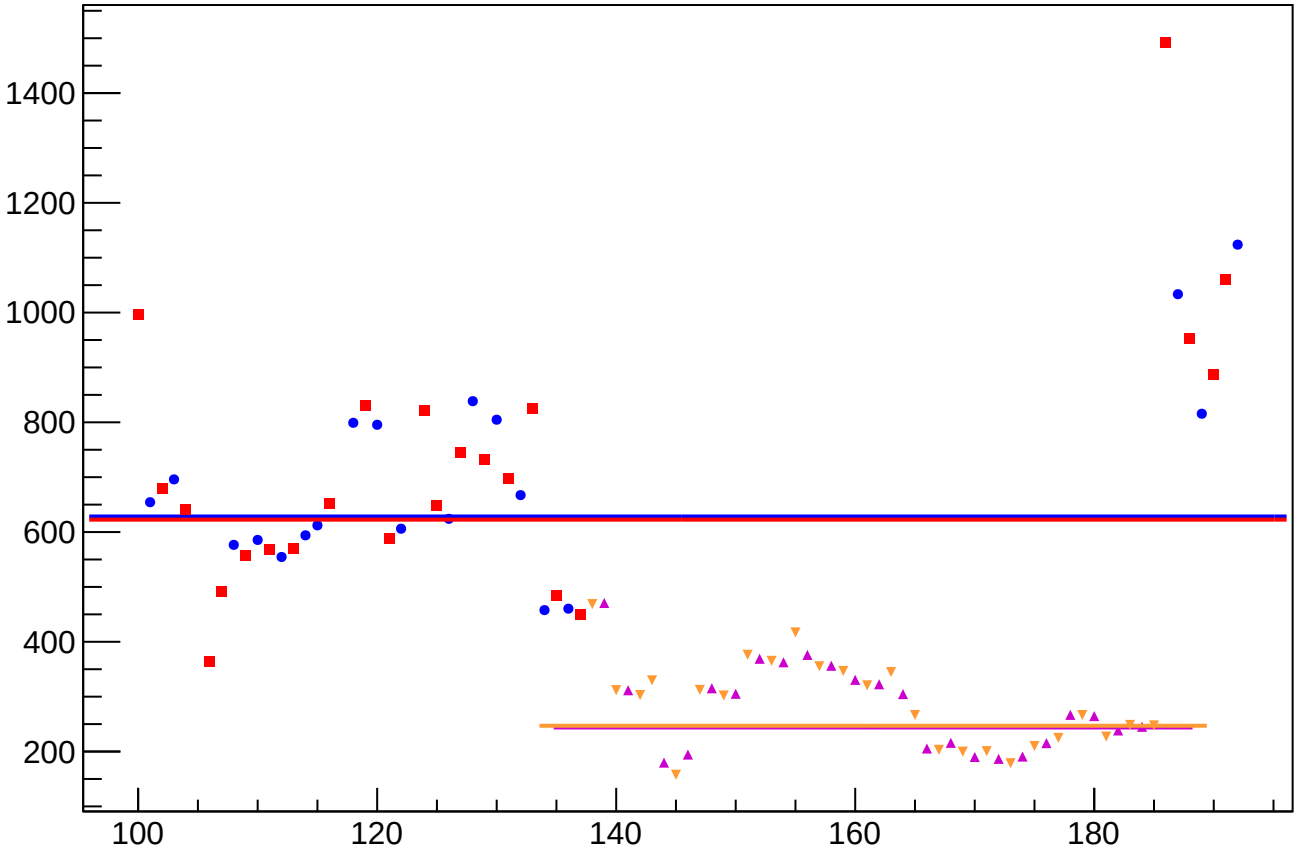
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -264.768+/-56.506 χ^2/NDF: 95.2/43

All: -162.585+/-40.193 χ^2/NDF: 150.6/89

- sign -57.944+/-57.182 χ^2/NDF: 48.8/45

asym_sam_37_dd_dit_correction_rms vs Slug



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

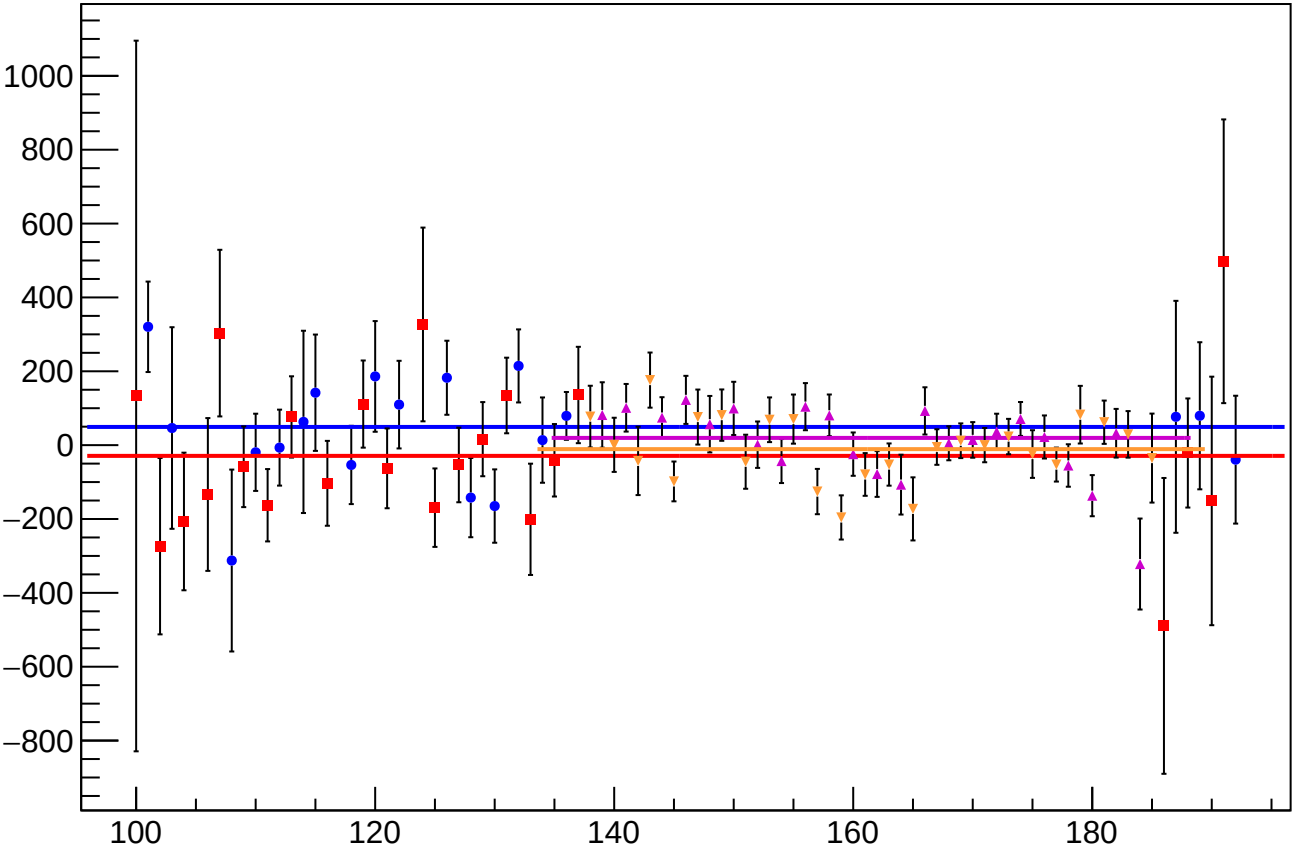
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 272.556+/-0.040 χ^2/NDF: 9681864.9/43

All: 272.056+/-0.028 χ^2/NDF: 19516552.8/89

- sign 271.545+/-0.040 χ^2/NDF: 9834371.9/45

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 49.302+/-27.567 χ^2/NDF: 23.2/18

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

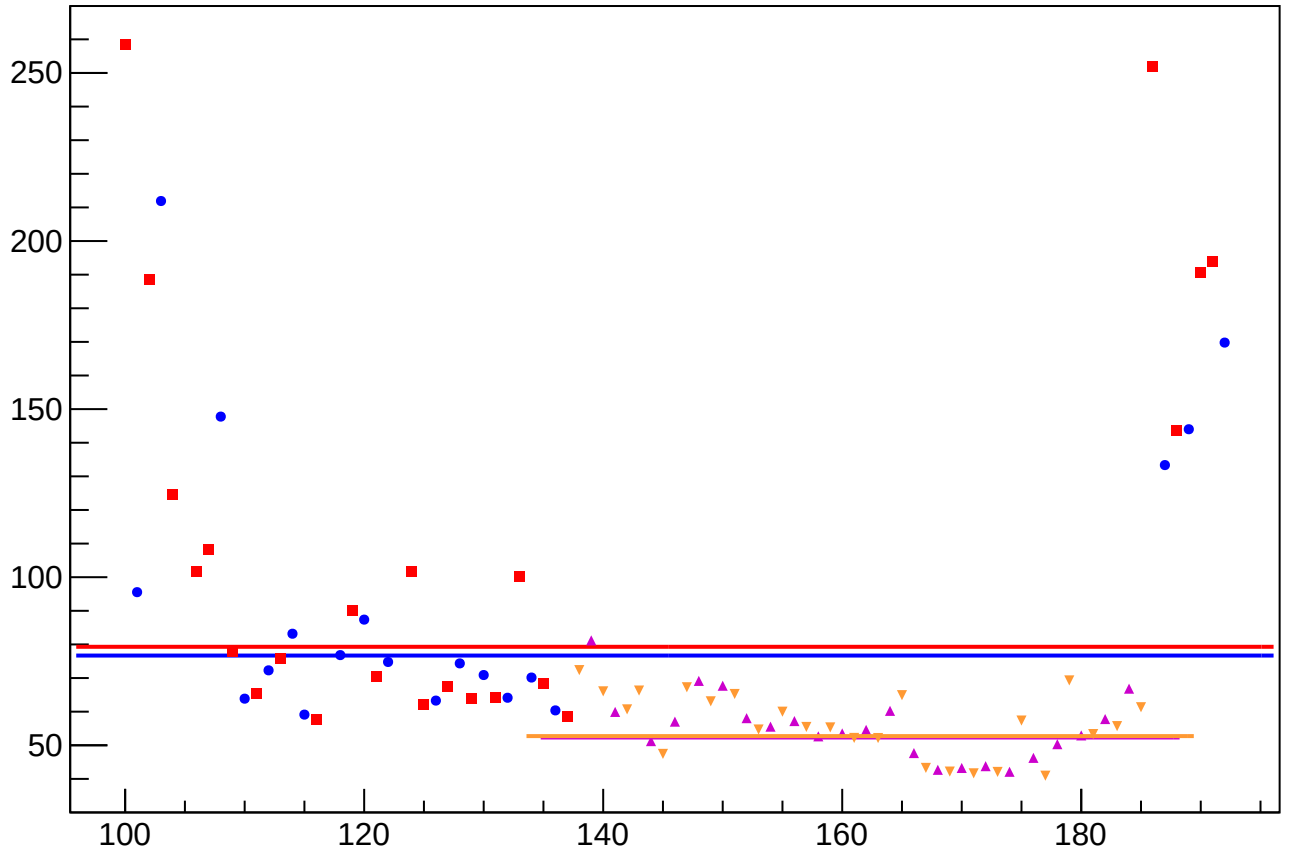
Right Out: -29.055+/-28.125 χ^2/NDF: 21.8/22

Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

\+ sign -0.832+/-11.237 χ^2/NDF: 67.5/43

All: 5.226+/-8.023 χ^2/NDF: 129.2/89

\- sign 11.523+/-11.458 χ^2/NDF: 61.1/45



Right In: 76.690+/-0.019 χ^2/NDF: 1856625.5/18

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

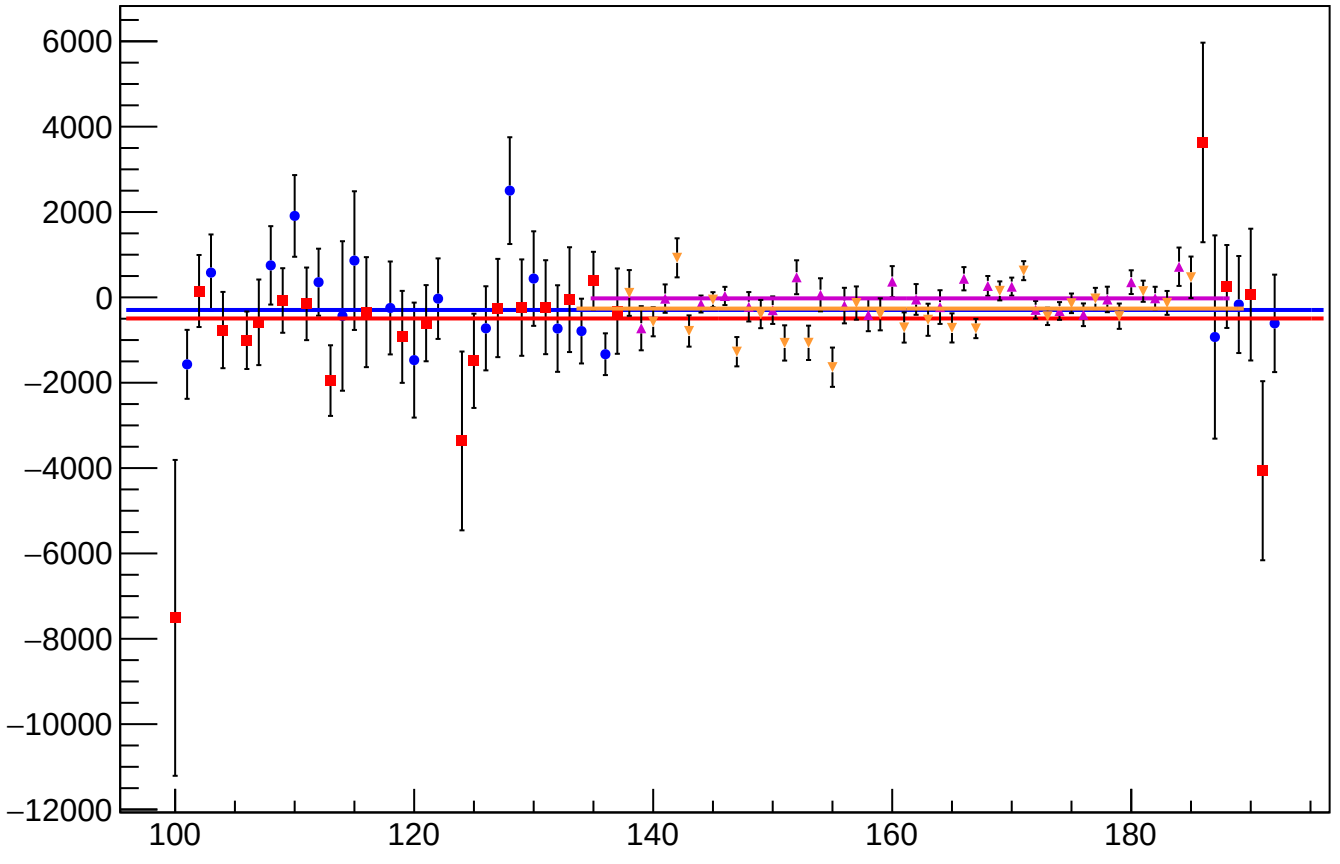
Right Out: 79.297+/-0.020 χ^2/NDF: 2256059.3/22

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 56.712+/-0.008 χ^2/NDF: 4283550.0/43

All: 56.751+/-0.006 χ^2/NDF: 8966814.2/89

- sign 56.792+/-0.008 χ^2/NDF: 4683215.0/45



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

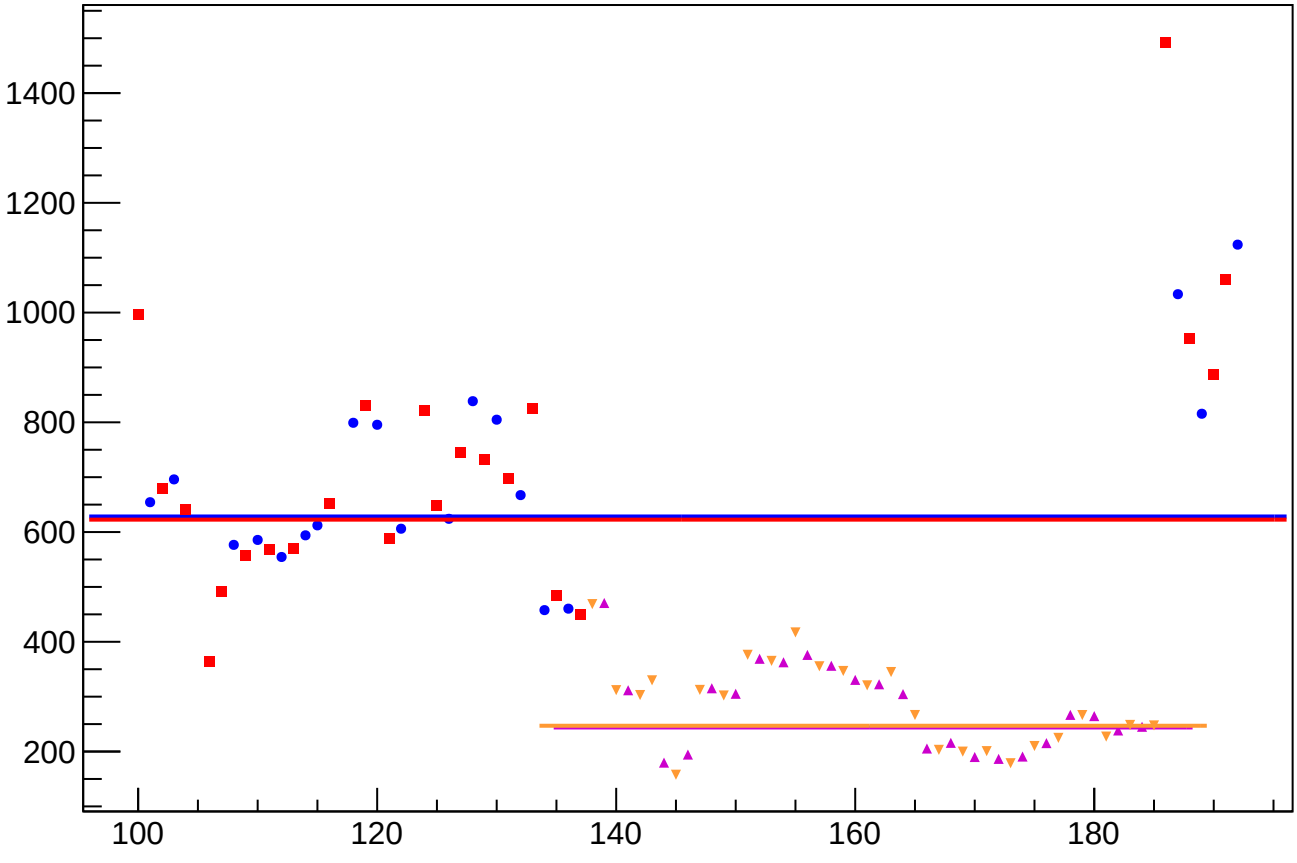
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -264.769+/-56.506 χ^2/NDF: 95.2/43

All: -162.585+/-40.193 χ^2/NDF: 150.6/89

- sign -57.944+/-57.182 χ^2/NDF: 48.8/45

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



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

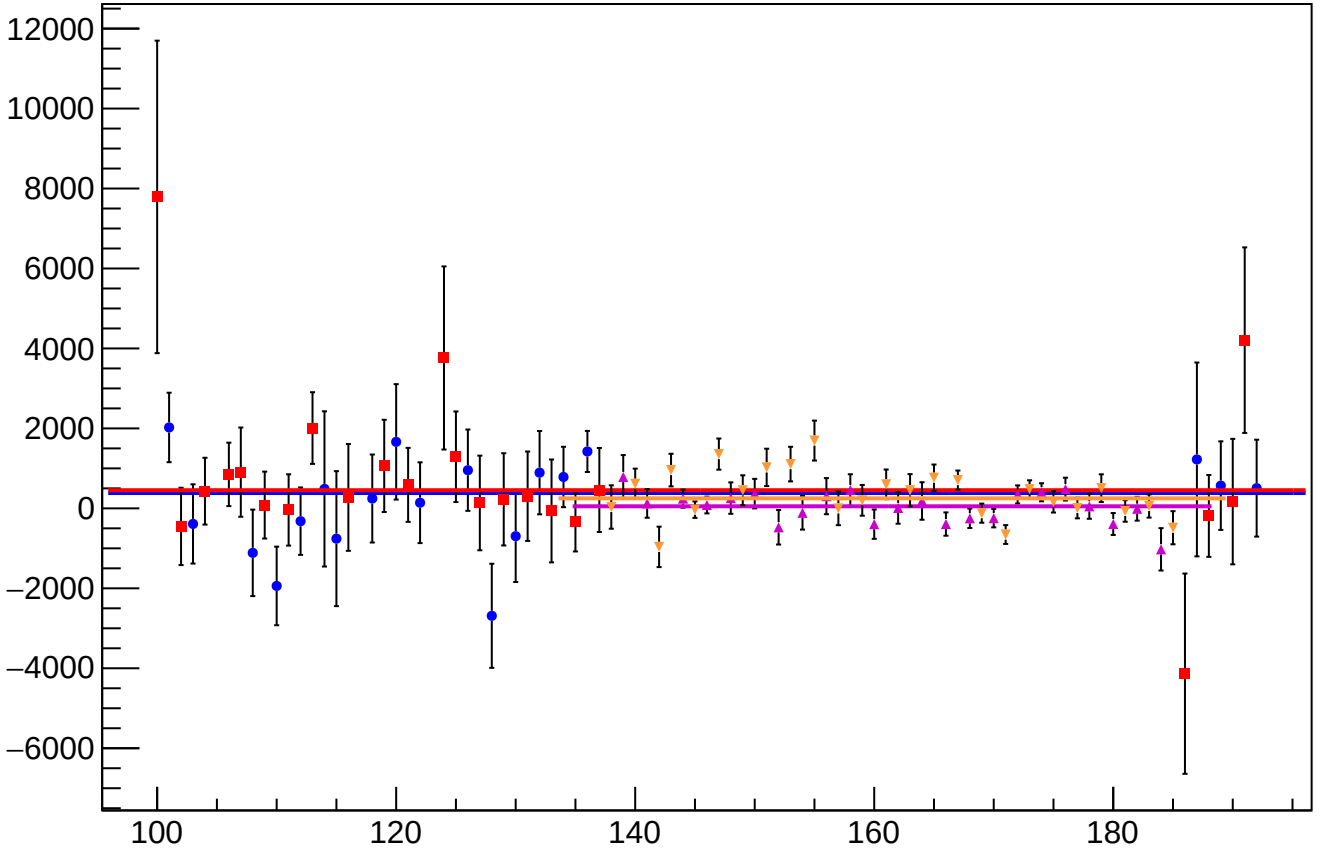
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 272.555+/-0.040 χ^2/NDF: 9681855.8/43

All: 272.056+/-0.028 χ^2/NDF: 19516535.8/89

- sign 271.545+/-0.040 χ^2/NDF: 9834363.9/45

asym_sam_37_dd_mean vs Slug



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

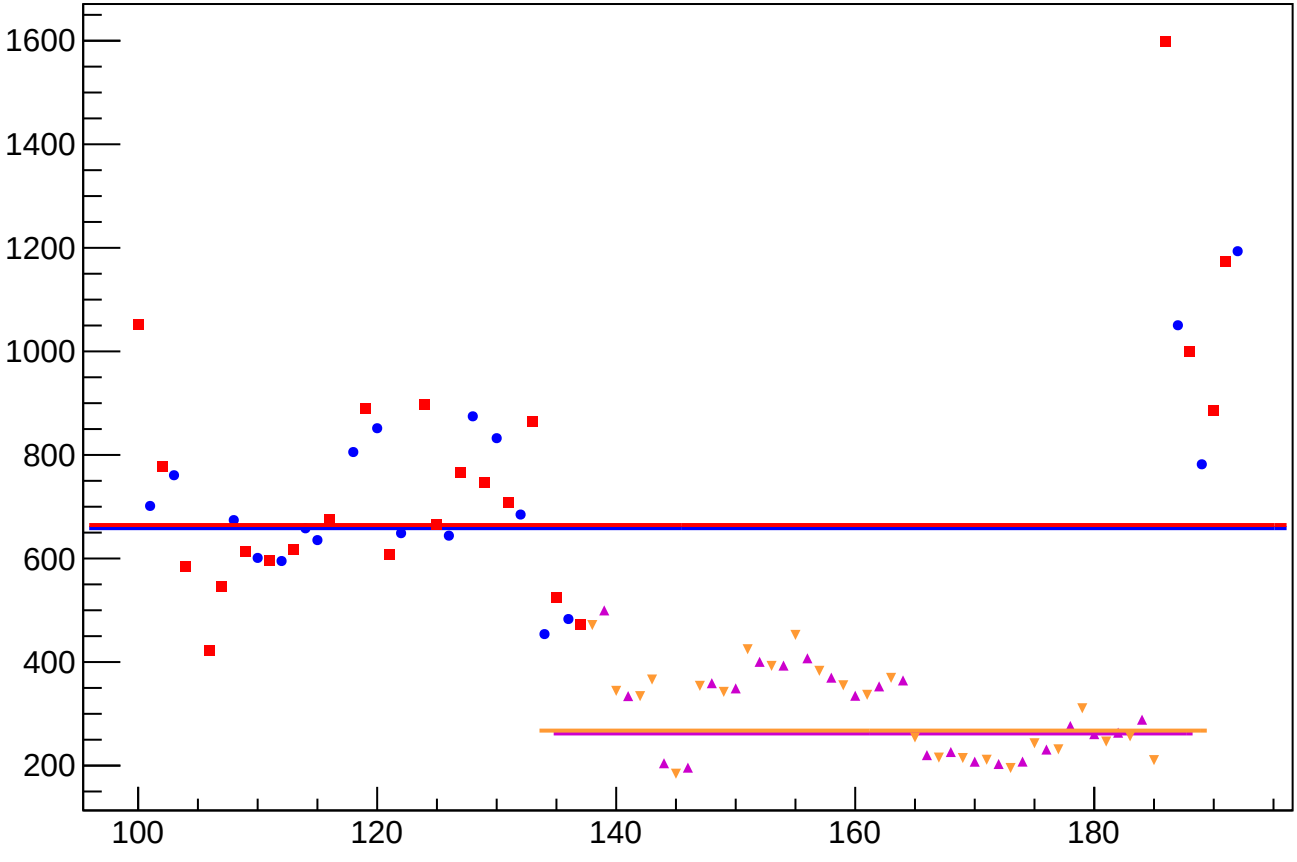
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 260.544+/-61.132 χ^2/NDF: 93.1/43

All: 171.483+/-43.332 χ^2/NDF: 146.2/89

- sign 81.553+/-61.430 χ^2/NDF: 48.9/45

asym_sam_37_dd_rms vs Slug



Right In: 658.580+/-0.162 χ^2/NDF: 1066071.2/18

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

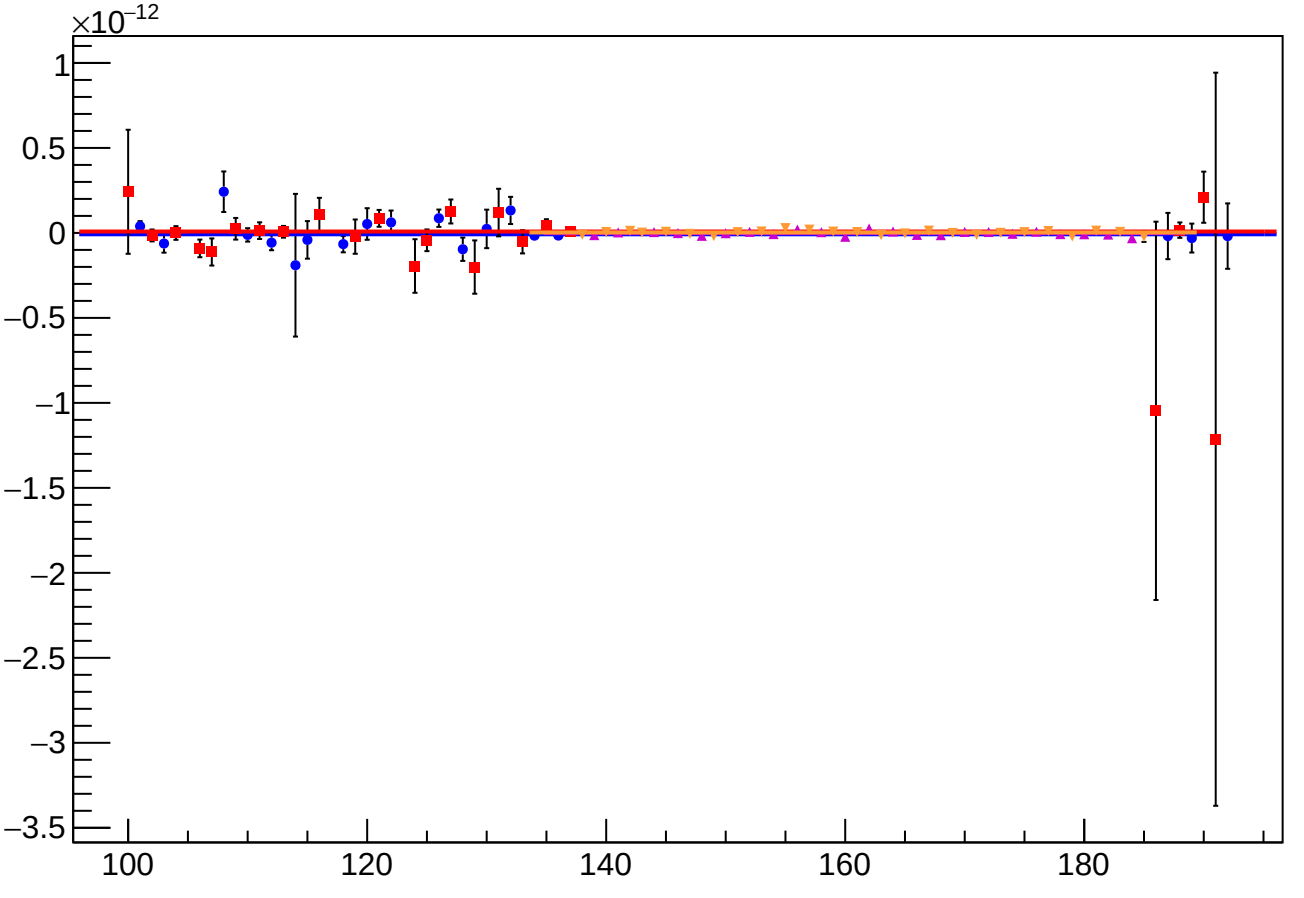
Right Out: 664.617+/-0.159 χ^2/NDF: 1246493.1/22

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 295.327+/-0.043 χ^2/NDF: 9259810.9/43

All: 293.646+/-0.031 χ^2/NDF: 18943737.8/89

- sign 291.948+/-0.043 χ^2/NDF: 9680886.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

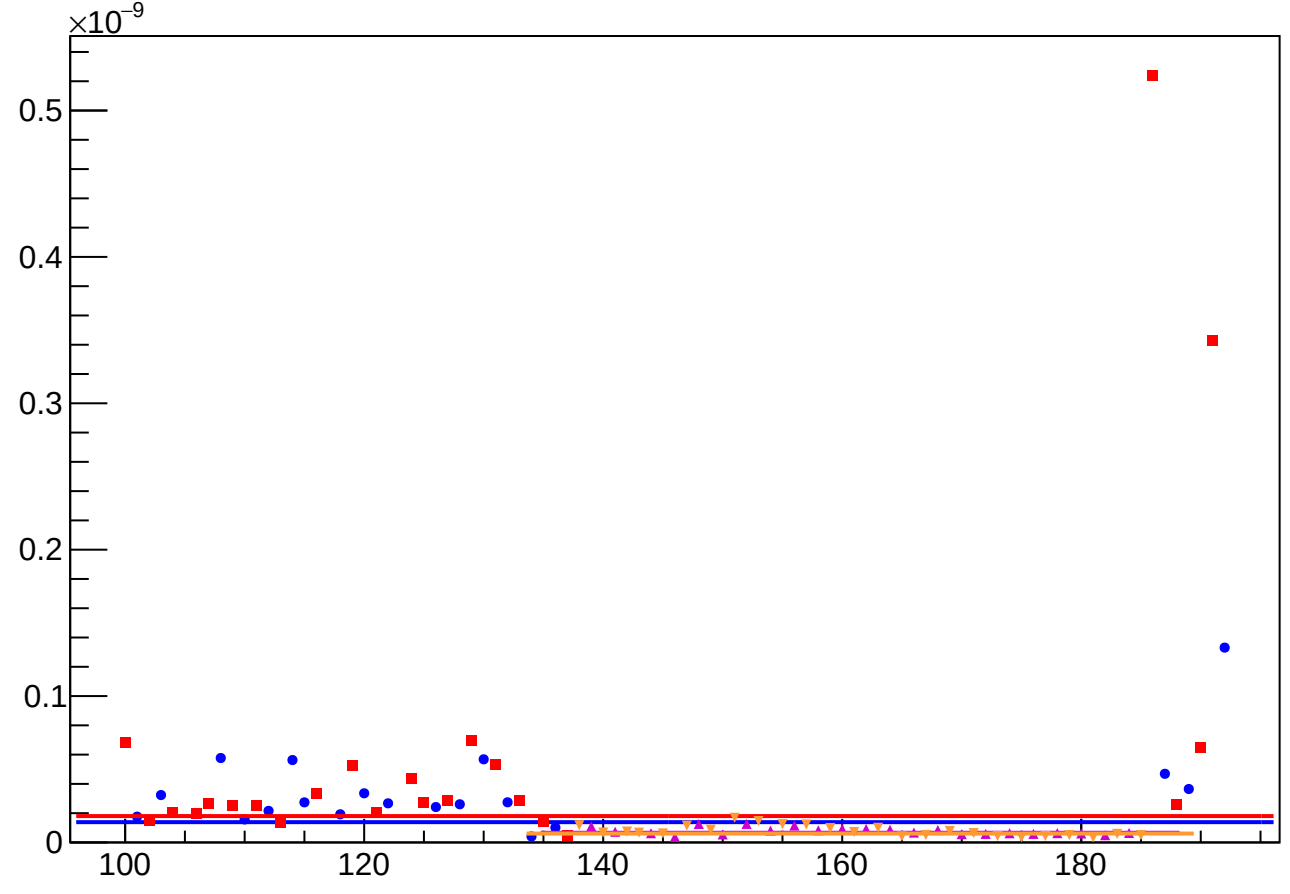
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/22

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.5/43

All: 0.000+/-0.000 χ^2/NDF: 74.1/89

- sign -0.000+/-0.000 χ^2/NDF: 36.0/45



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

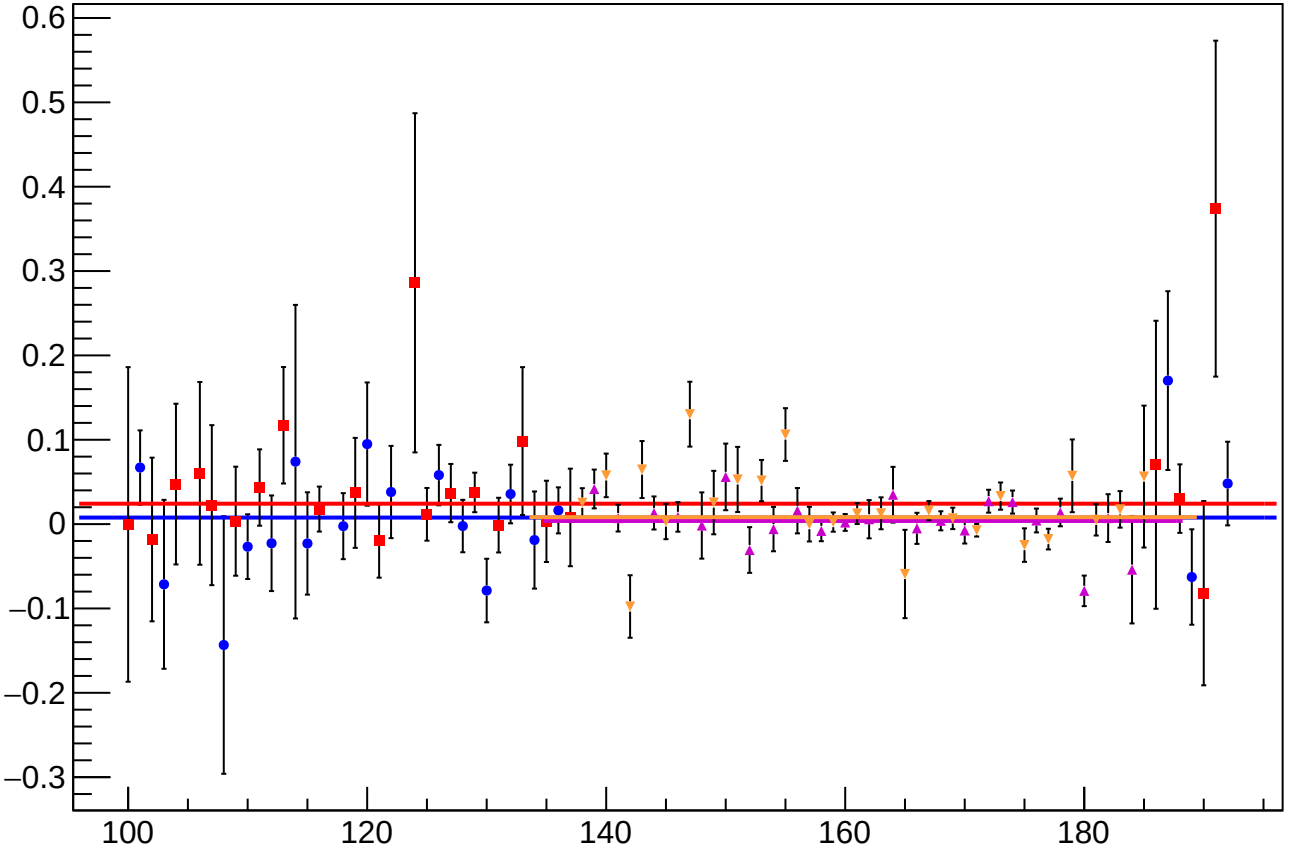
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6853219.3/43

All: 0.000+/-0.000 χ^2/NDF: 12447564.9/89

- sign 0.000+/-0.000 χ^2/NDF: 5522996.5/45

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



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

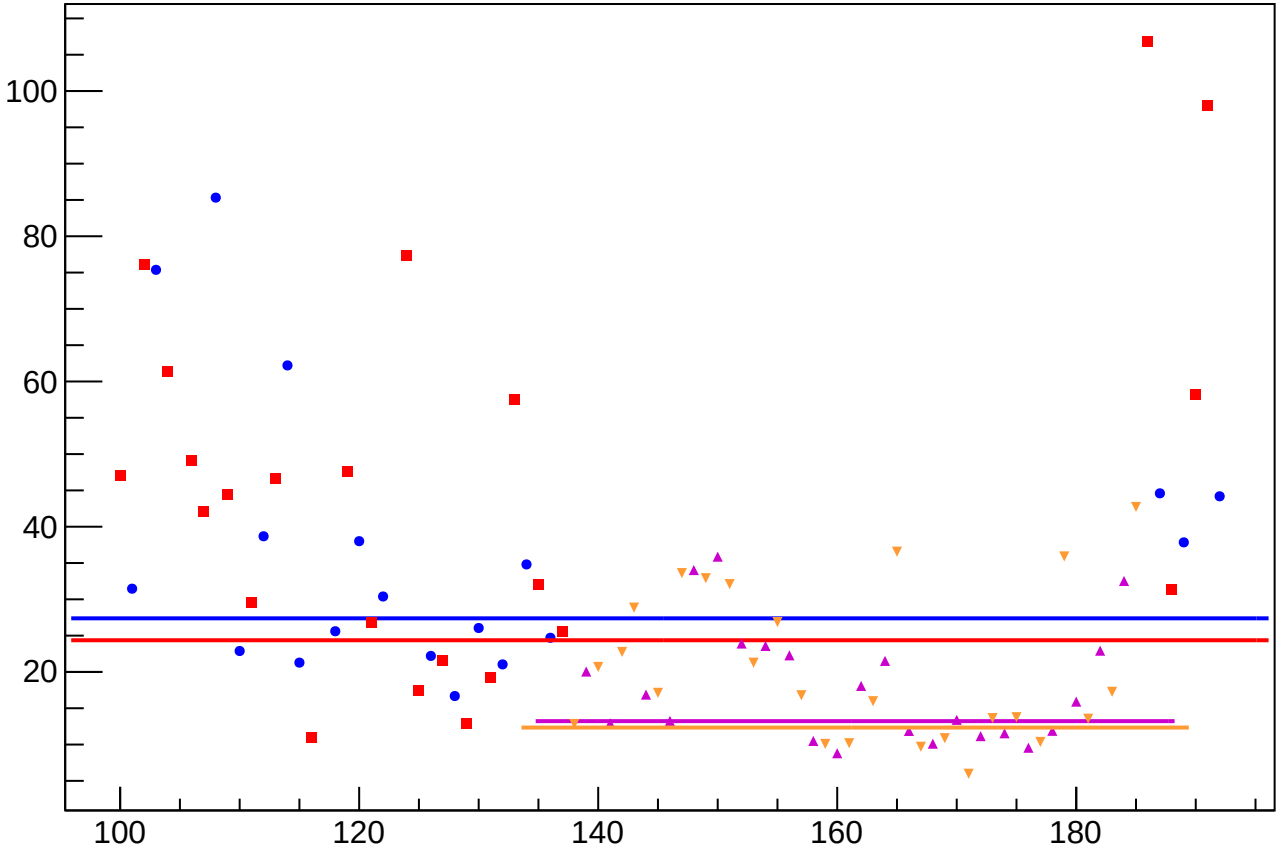
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.4/43

All: 0.007+/-0.002 χ^2/NDF: 131.1/89

- sign 0.006+/-0.003 χ^2/NDF: 52.5/45

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.382+/-0.007 χ^2/NDF: 1765787.8/18

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

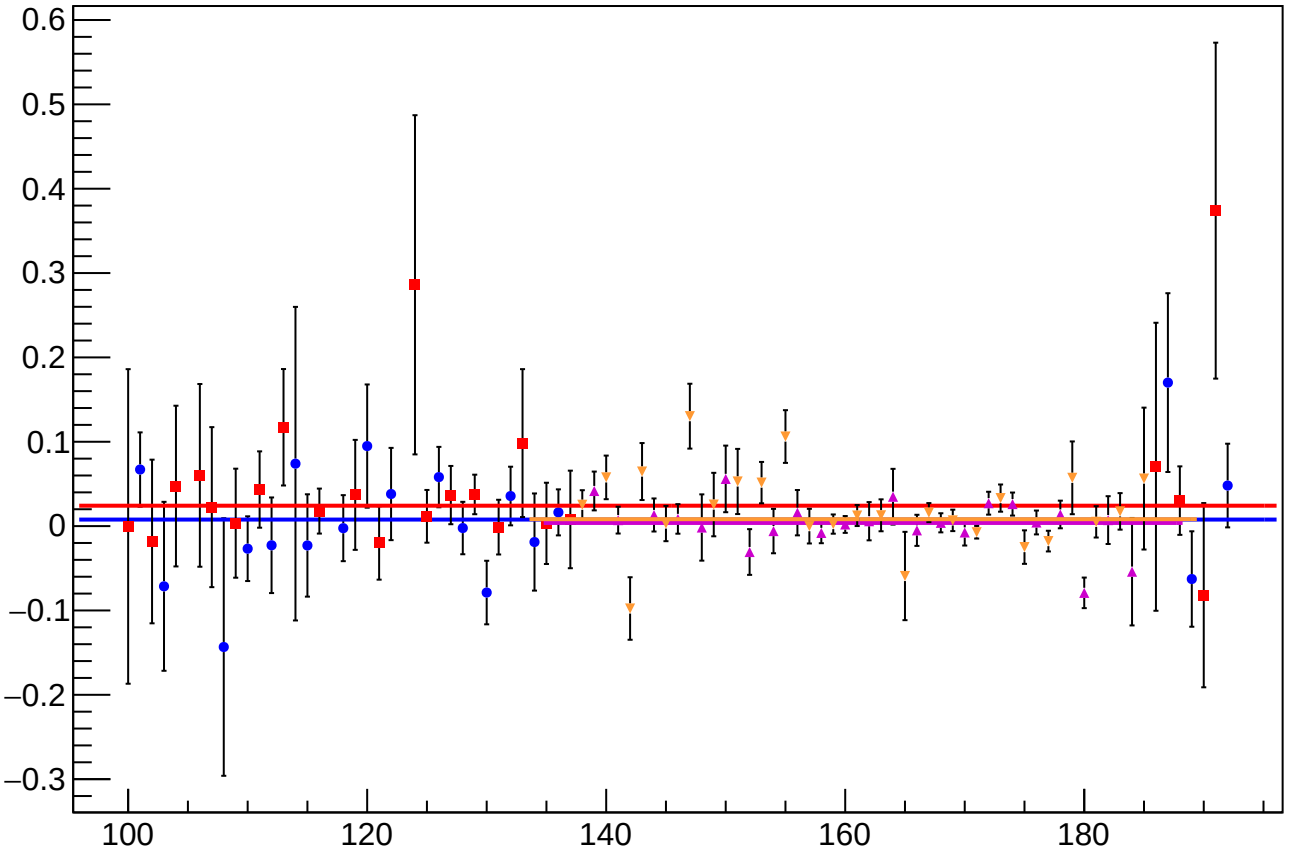
Right Out: 24.364+/-0.007 χ^2/NDF: 4383150.2/22

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.790+/-0.002 χ^2/NDF: 12158219.5/43

All: 14.132+/-0.002 χ^2/NDF: 22613647.9/89

- sign 14.503+/-0.002 χ^2/NDF: 10410171.2/45



Right In: 0.008+/-0.011 χ^2/NDF: 19.6/18

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

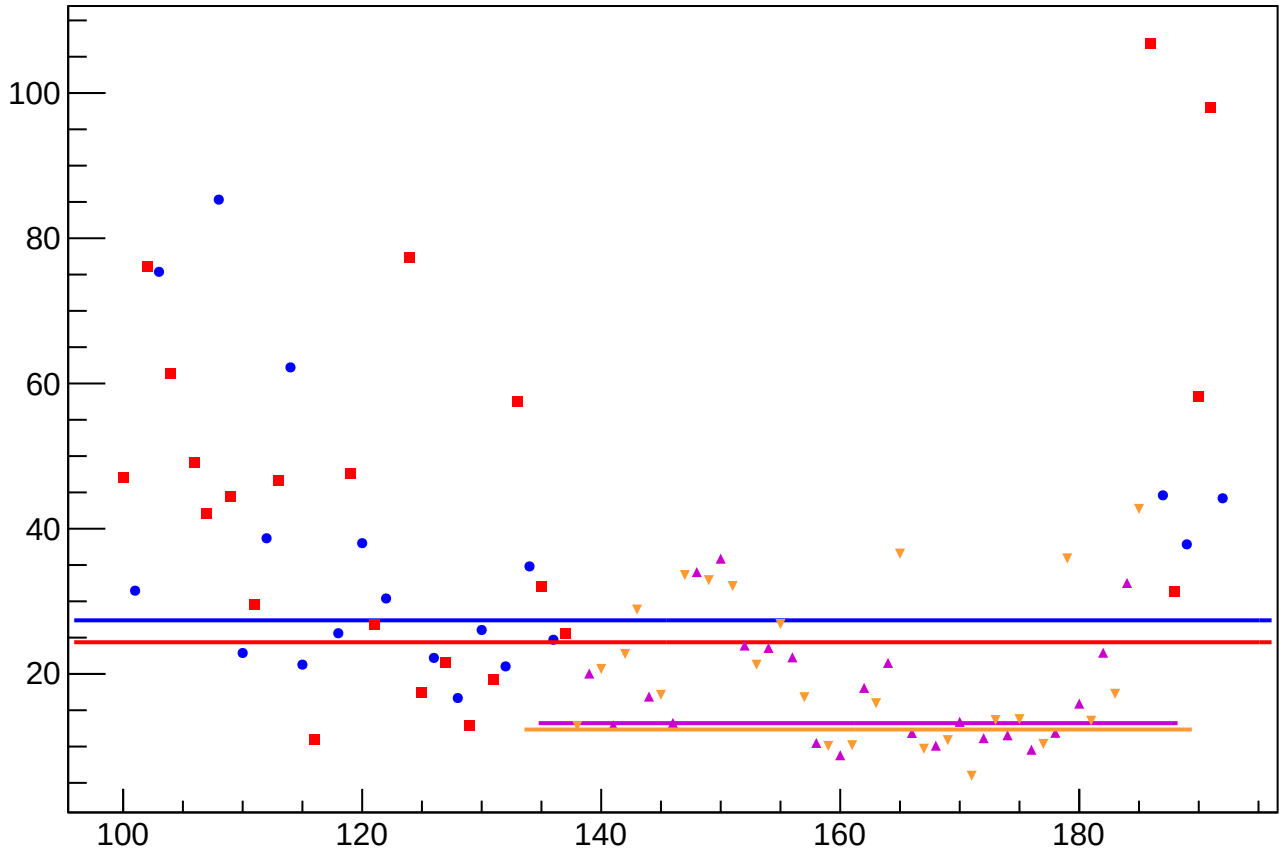
Right Out: 0.024+/-0.010 χ^2/NDF: 11.6/22

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

\+ sign 0.008+/-0.003 χ^2/NDF: 78.4/43

All: 0.007+/-0.002 χ^2/NDF: 131.1/89

\- sign 0.006+/-0.003 χ^2/NDF: 52.5/45



Right In: 27.382+/-0.007 χ^2/NDF: 1765787.8/18

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

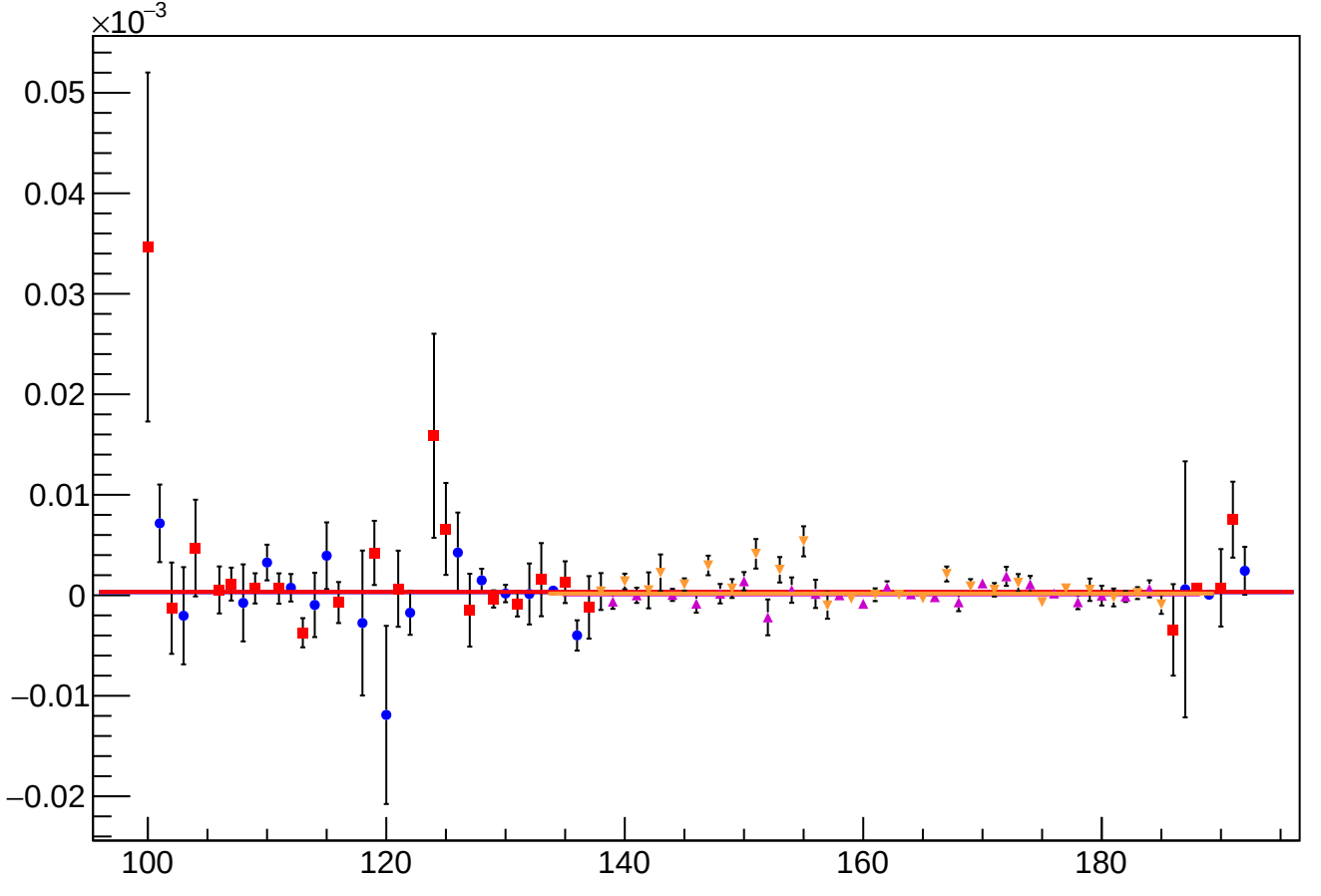
Right Out: 24.364+/-0.007 χ^2/NDF: 4383150.2/22

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.790+/-0.002 χ^2/NDF: 12158219.5/43

All: 14.132+/-0.002 χ^2/NDF: 22613647.9/89

- sign 14.503+/-0.002 χ^2/NDF: 10410171.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

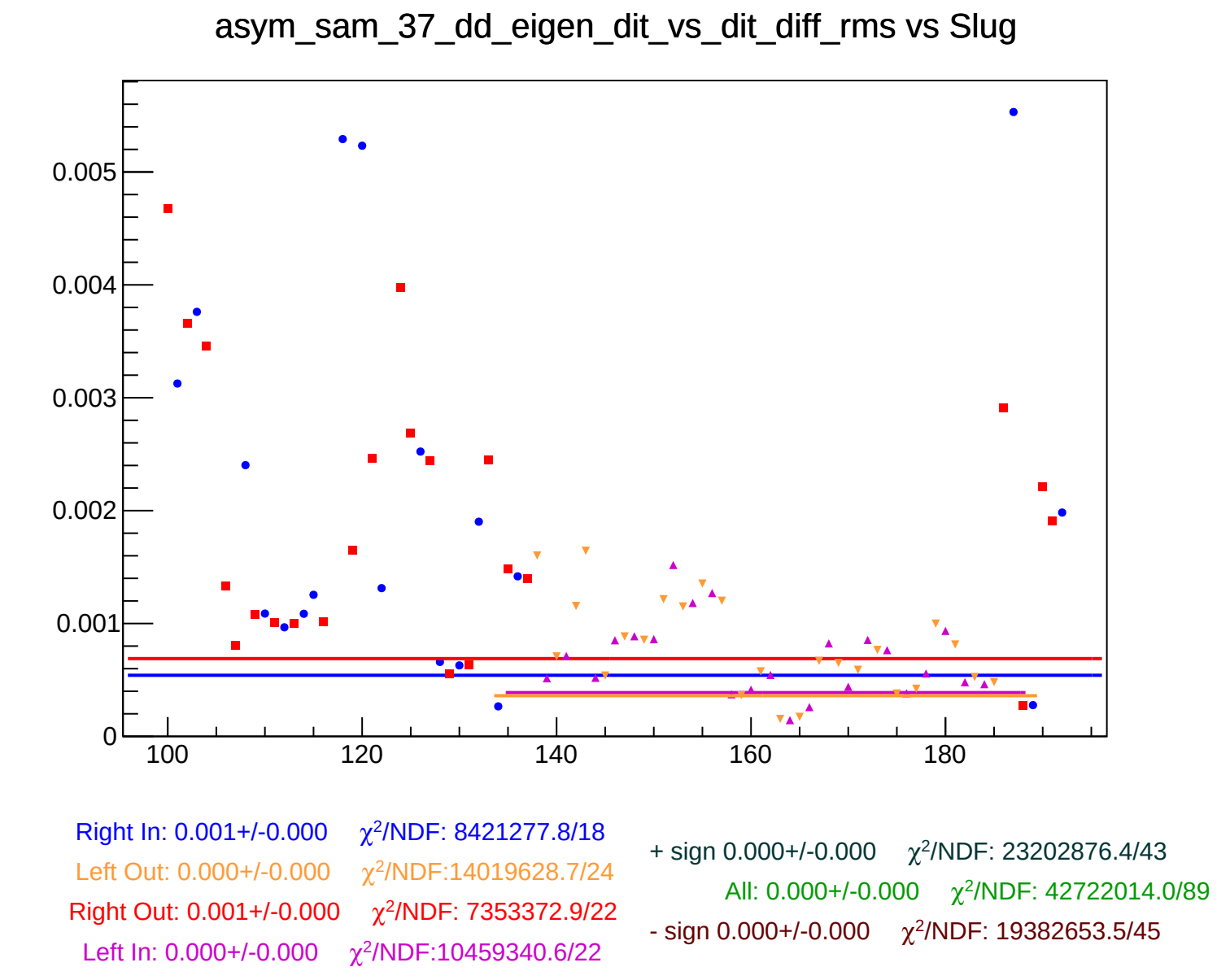
Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/22

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

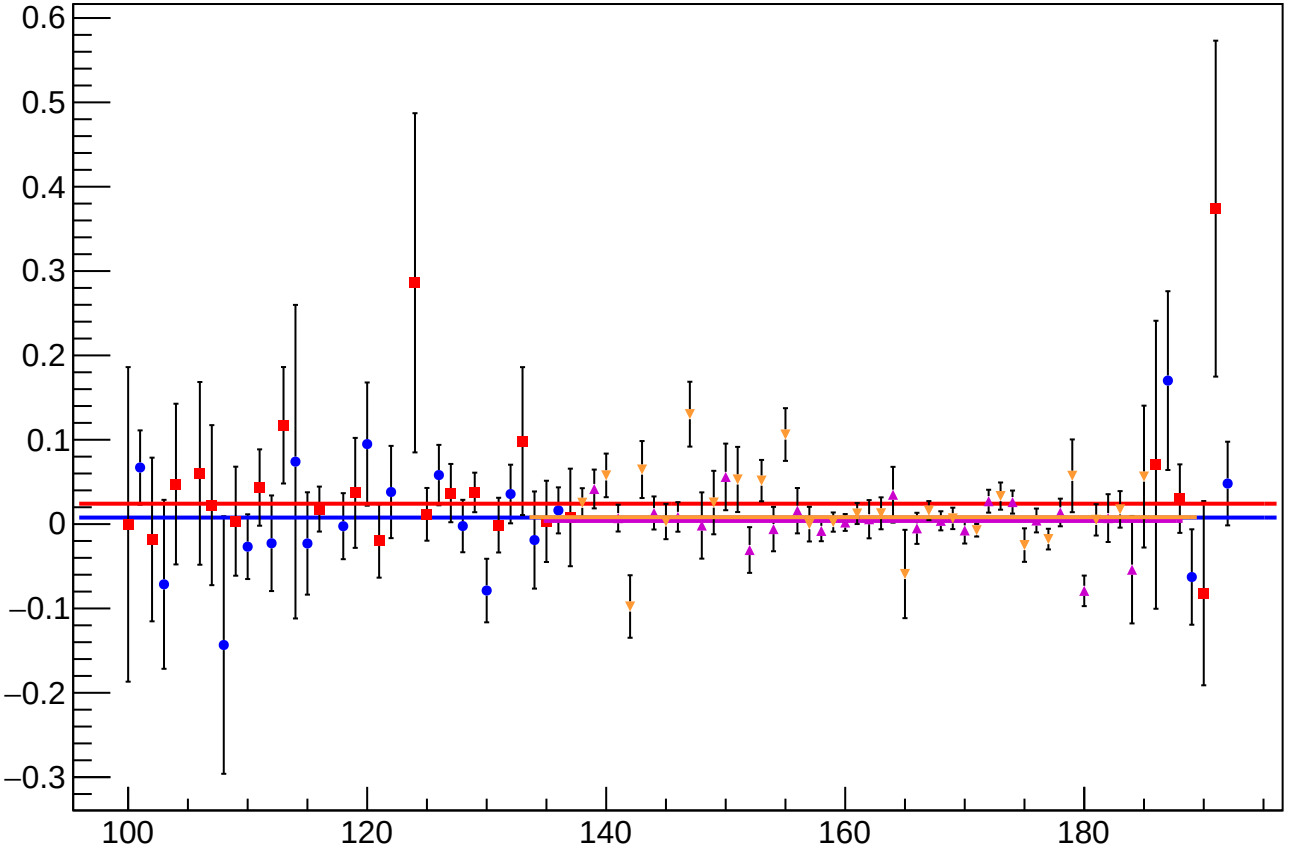
+ sign 0.000+/-0.000 χ^2/NDF: 83.7/43

All: 0.000+/-0.000 χ^2/NDF: 135.3/89

- sign 0.000+/-0.000 χ^2/NDF: 51.3/45


asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.005
0.004
0.003
0.002
0.001
0
100
120
140
160
180
Right In: 0.001+/-0.000 χ²/NDF: 8421277.8/18
Left Out: 0.000+/-0.000 χ²/NDF:14019628.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 7353372.9/22
Left In: 0.000+/-0.000 χ²/NDF:10459340.6/22
+ sign 0.000+/-0.000 χ²/NDF: 23202876.4/43
All: 0.000+/-0.000 χ²/NDF: 42722014.0/89
- sign 0.000+/-0.000 χ²/NDF: 19382653.5/45

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.011 χ^2/NDF: 19.6/18

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

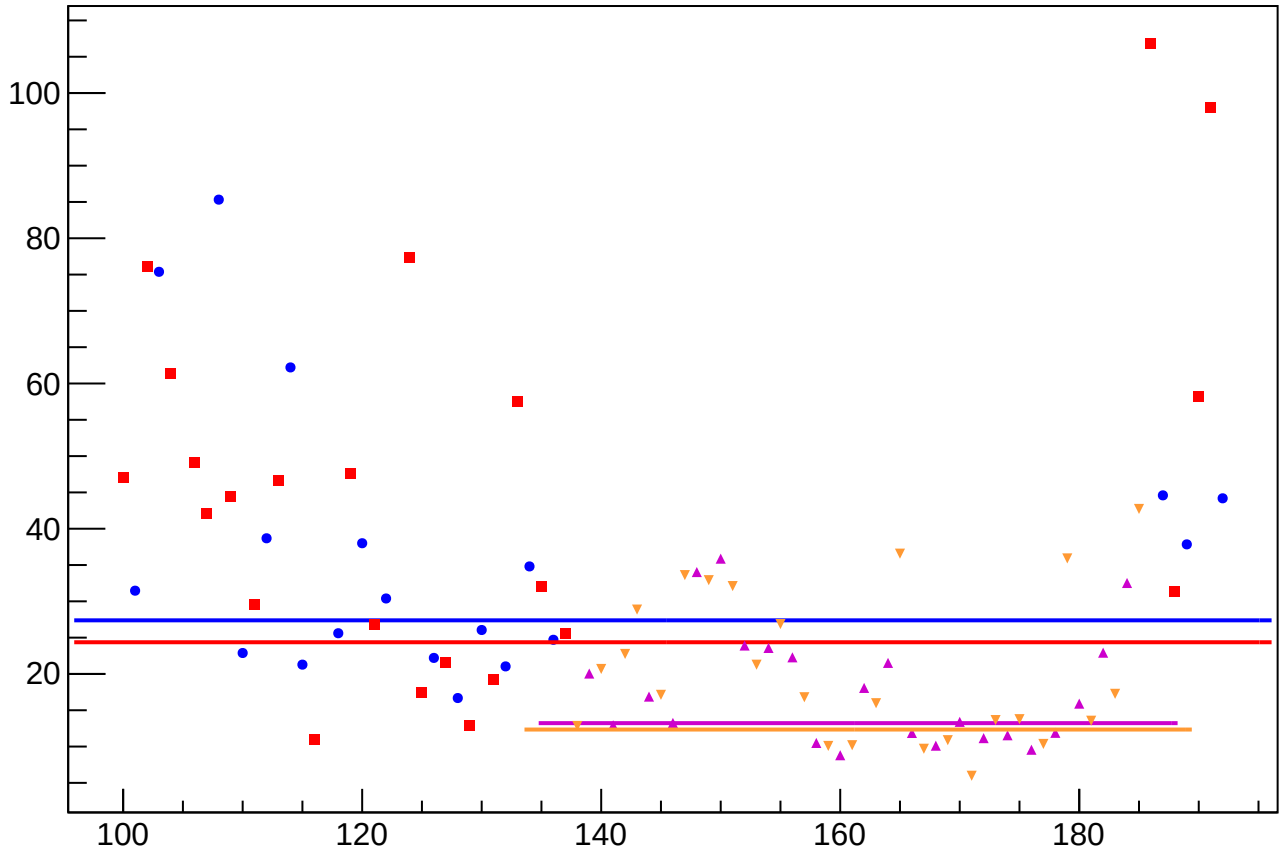
Right Out: 0.024+/-0.010 χ^2/NDF: 11.6/22

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.4/43

All: 0.007+/-0.002 χ^2/NDF: 131.1/89

- sign 0.006+/-0.003 χ^2/NDF: 52.5/45



Right In: 27.383+/-0.007 χ^2/NDF: 1765707.9/18

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

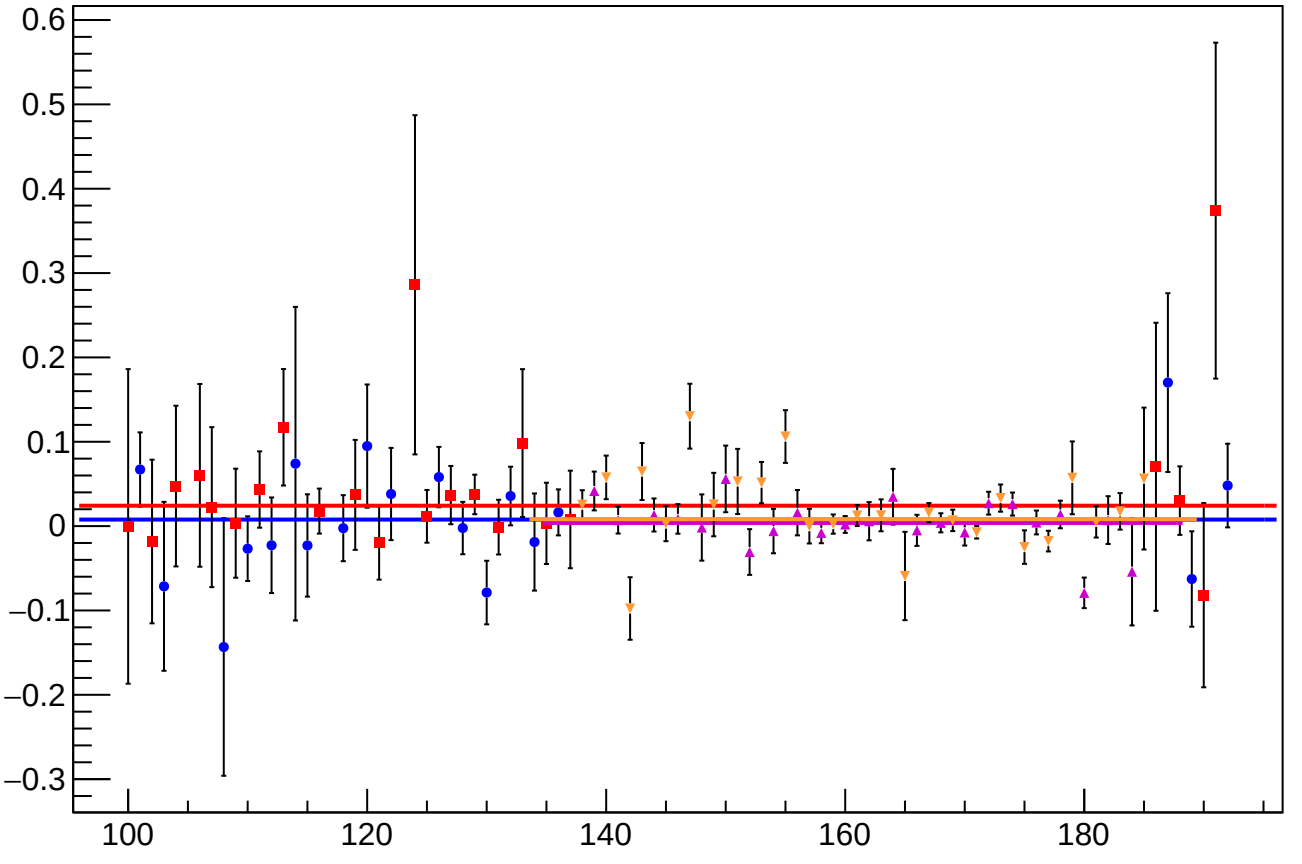
Right Out: 24.365+/-0.007 χ^2/NDF: 4382939.6/22

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.790+/-0.002 χ^2/NDF: 12158431.9/43

All: 14.132+/-0.002 χ^2/NDF: 22613925.1/89

- sign 14.503+/-0.002 χ^2/NDF: 10410240.1/45



Right In: 0.008+/-0.011 χ^2/NDF: 19.6/18

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

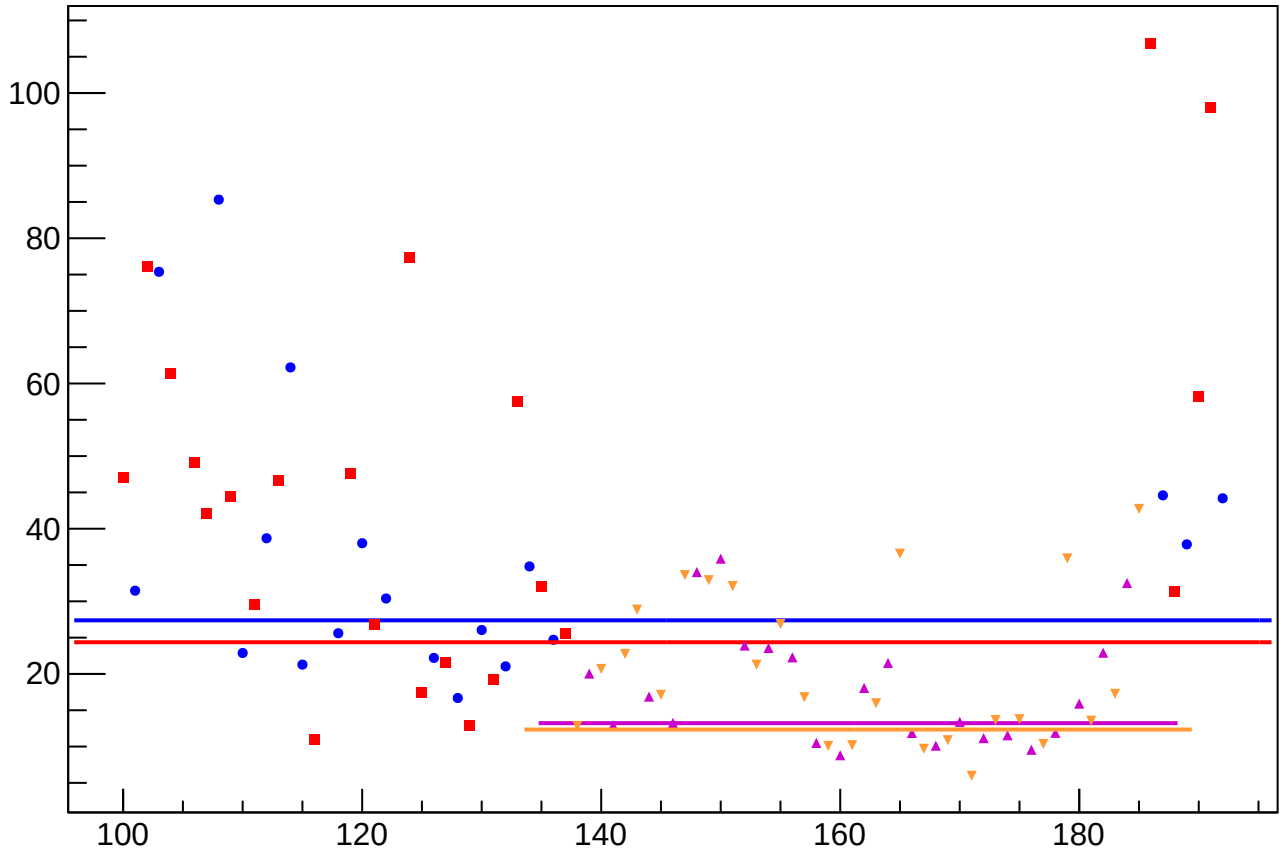
Right Out: 0.024+/-0.010 χ^2/NDF: 11.6/22

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.4/43

All: 0.007+/-0.002 χ^2/NDF: 131.1/89

- sign 0.006+/-0.003 χ^2/NDF: 52.5/45



Right In: 27.383+/-0.007 χ^2/NDF: 1765707.9/18

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

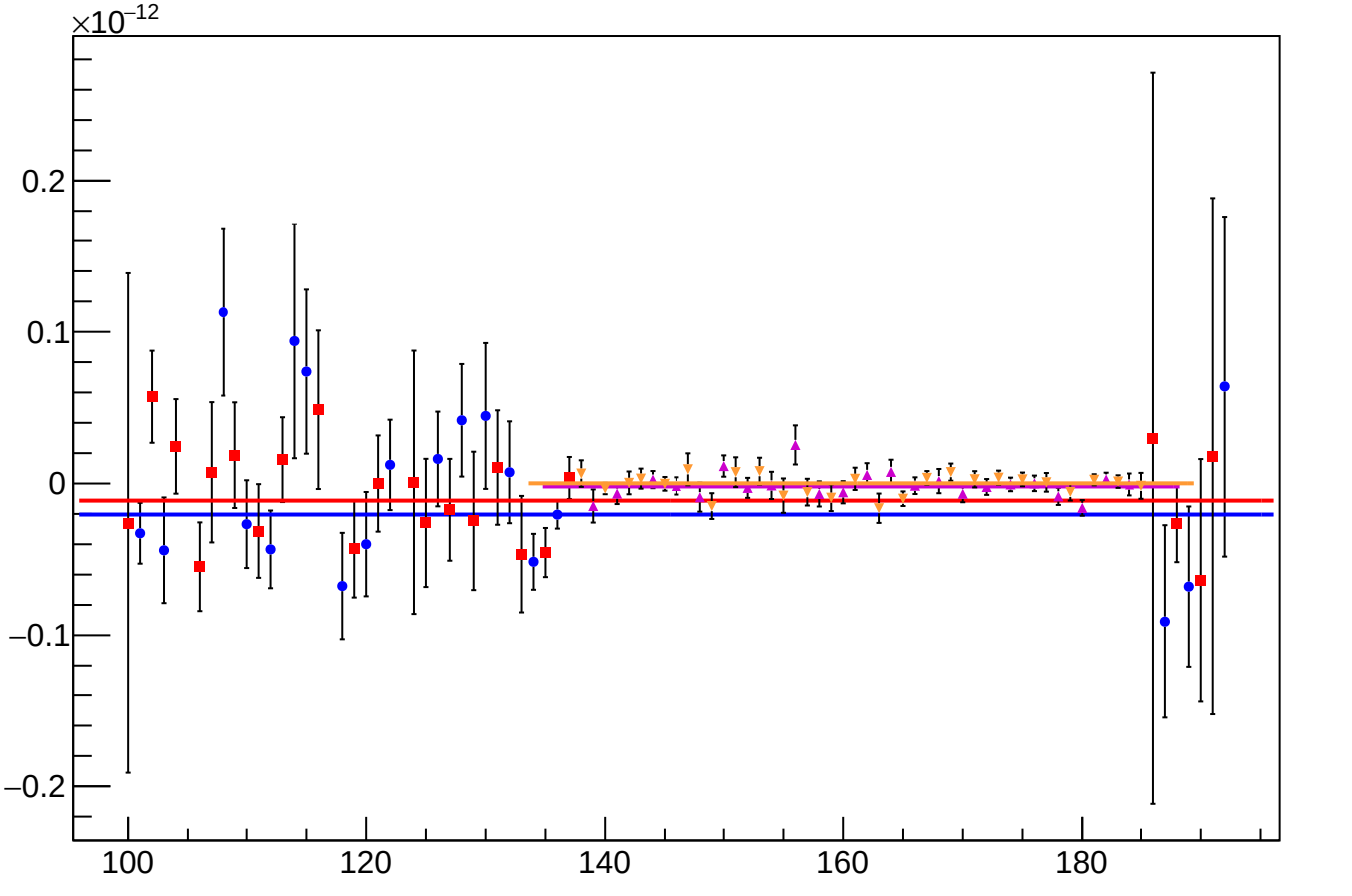
Right Out: 24.365+/-0.007 χ^2/NDF: 4382939.6/22

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.790+/-0.002 χ^2/NDF: 12158431.9/43

All: 14.132+/-0.002 χ^2/NDF: 22613925.1/89

- sign 14.503+/-0.002 χ^2/NDF: 10410240.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

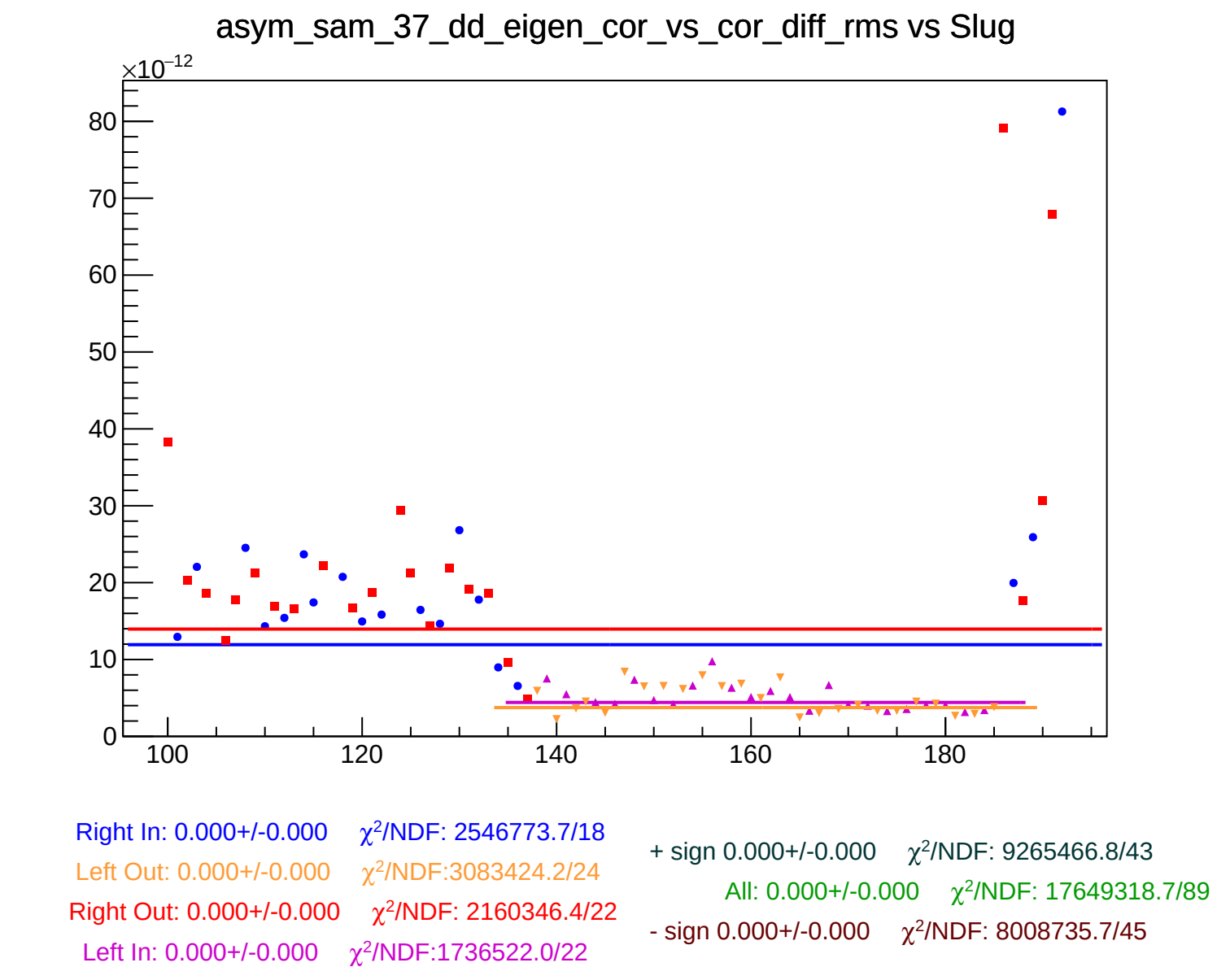
Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/22

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.3/43

All: -0.000+/-0.000 χ^2/NDF: 110.8/89

- sign -0.000+/-0.000 χ^2/NDF: 48.6/45


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
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40
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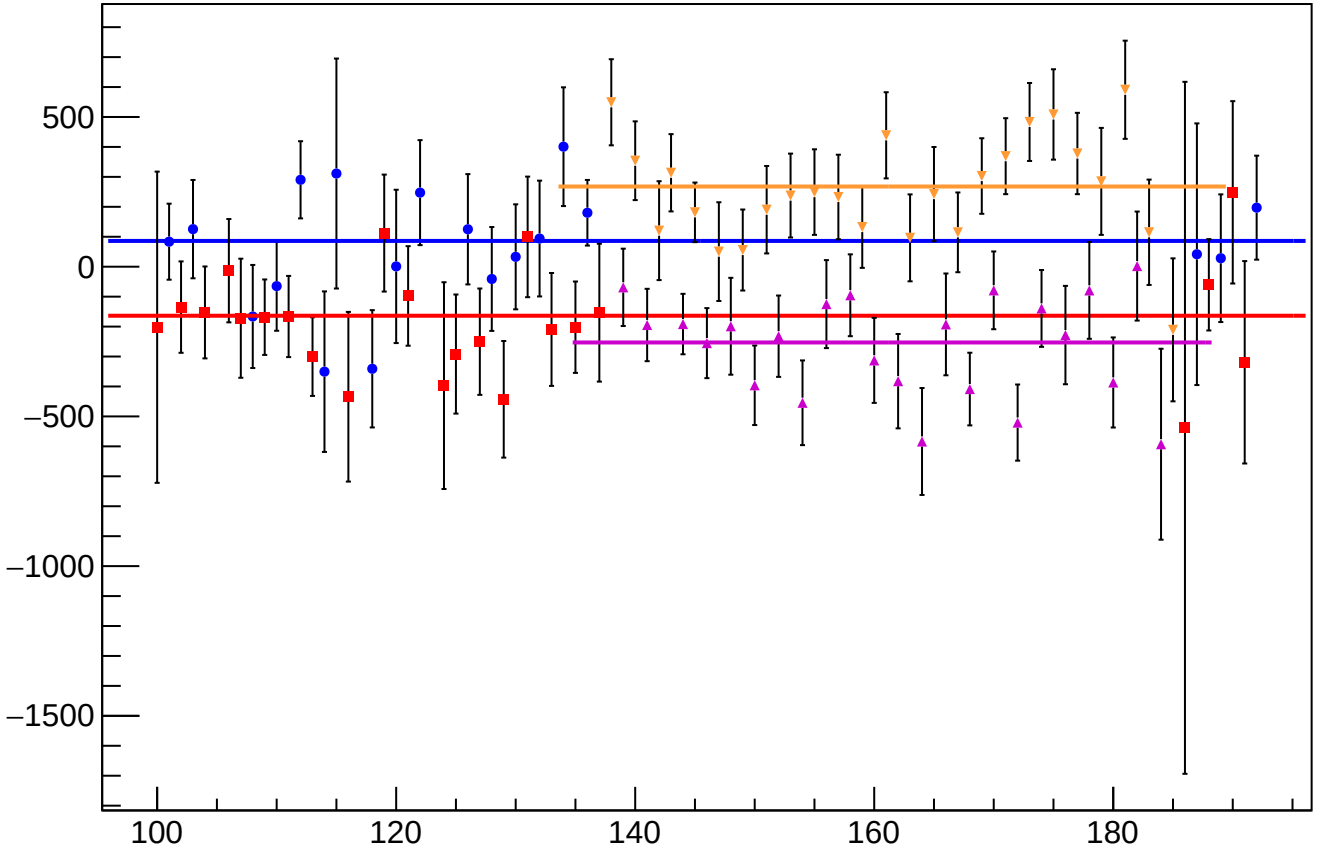
10
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 2546773.7/18
Left Out: 0.000+/-0.000 χ²/NDF:3083424.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 2160346.4/22
Left In: 0.000+/-0.000 χ²/NDF:1736522.0/22
+ sign 0.000+/-0.000 χ²/NDF: 9265466.8/43
All: 0.000+/-0.000 χ²/NDF: 17649318.7/89
- sign 0.000+/-0.000 χ²/NDF: 8008735.7/45

reg_asym_sam_48_dd_mean vs Slug



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

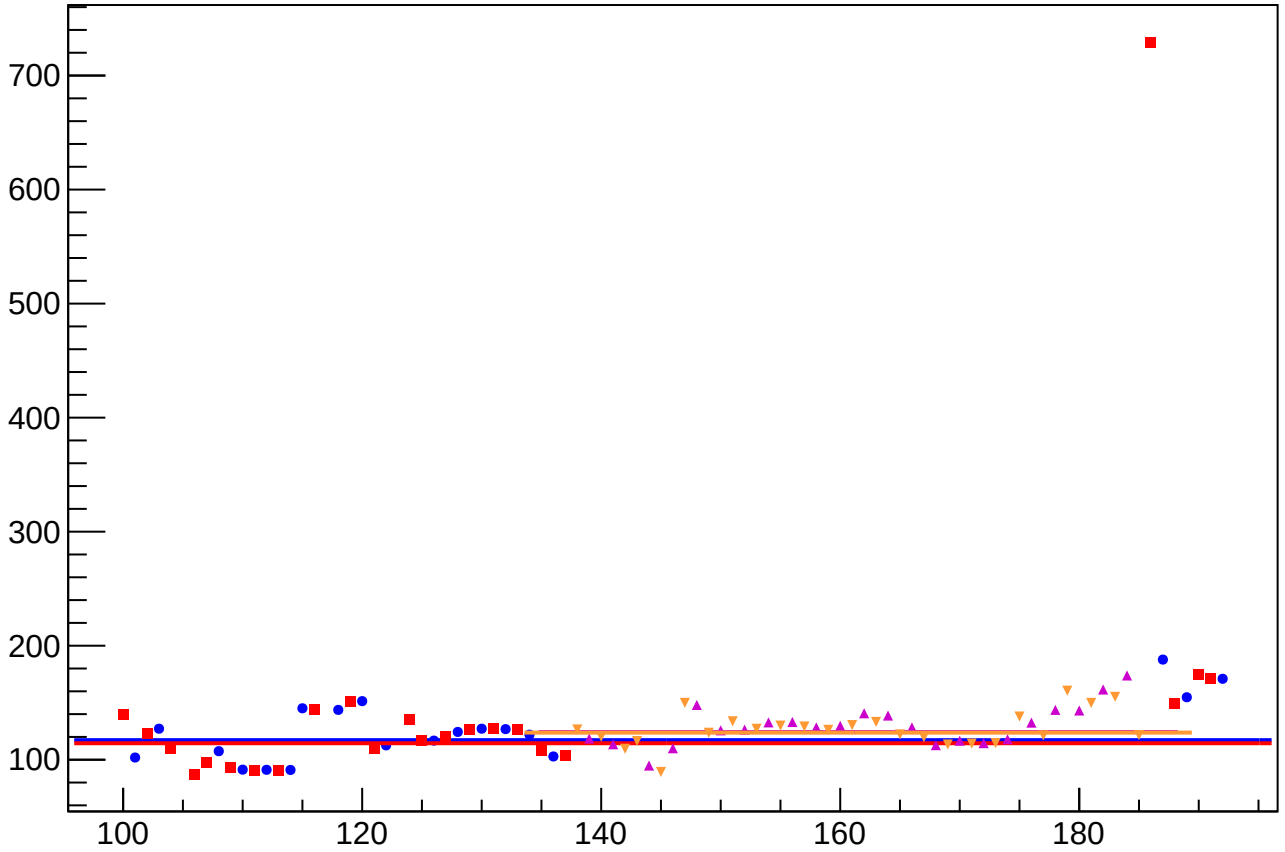
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 206.944+/-23.169 χ^2/NDF: 63.6/43

All: -4.961+/-16.452 χ^2/NDF: 274.4/89

- sign -220.490+/-23.366 χ^2/NDF: 42.1/45

reg_asym_sam_48_dd_rms vs Slug



Right In: 117.157+/-0.028 χ^2/NDF: 644417.0/18

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

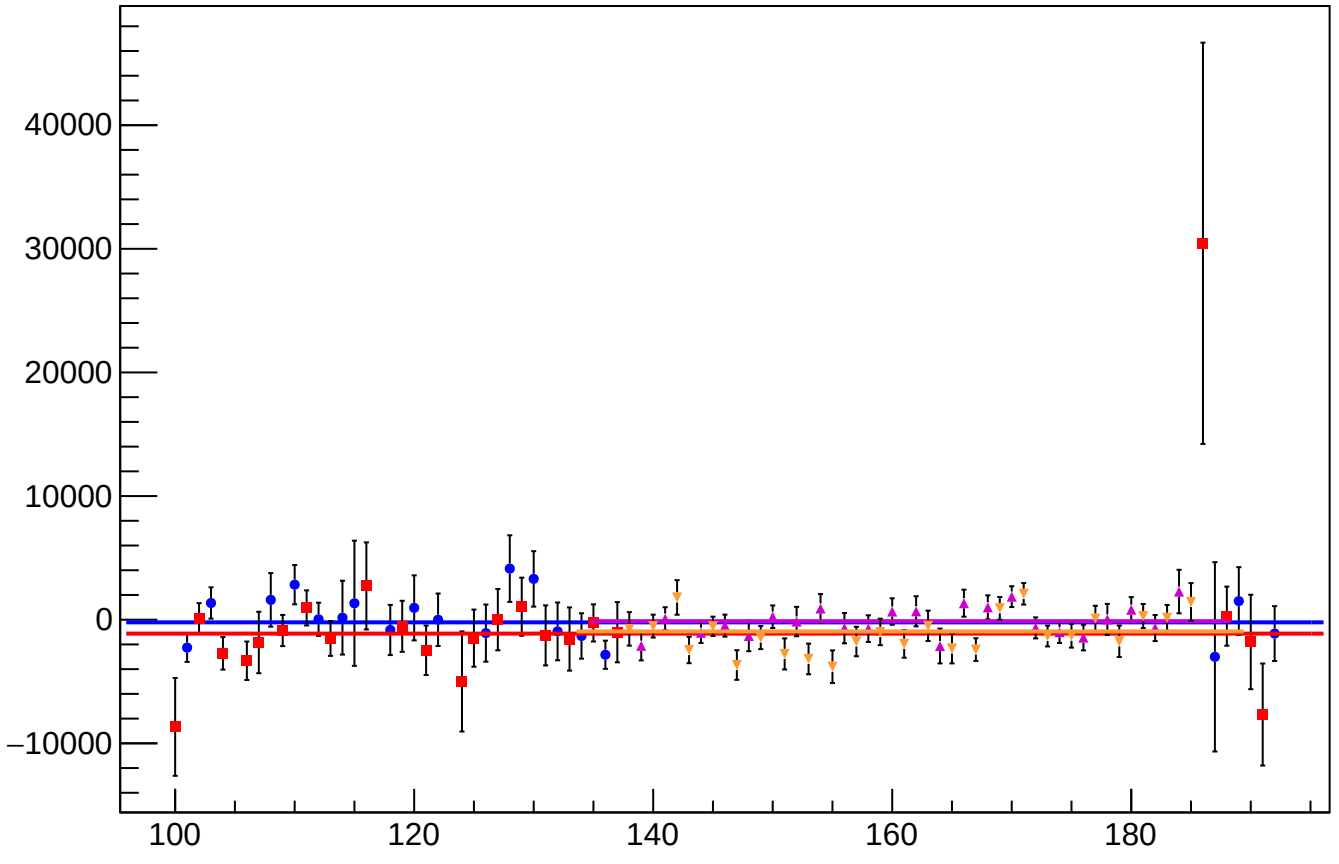
Right Out: 114.468+/-0.027 χ^2/NDF: 1202586.6/22

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 121.581+/-0.016 χ^2/NDF: 1279555.7/43

All: 121.139+/-0.012 χ^2/NDF: 3122182.0/89

- sign 120.689+/-0.017 χ^2/NDF: 1841157.3/45



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

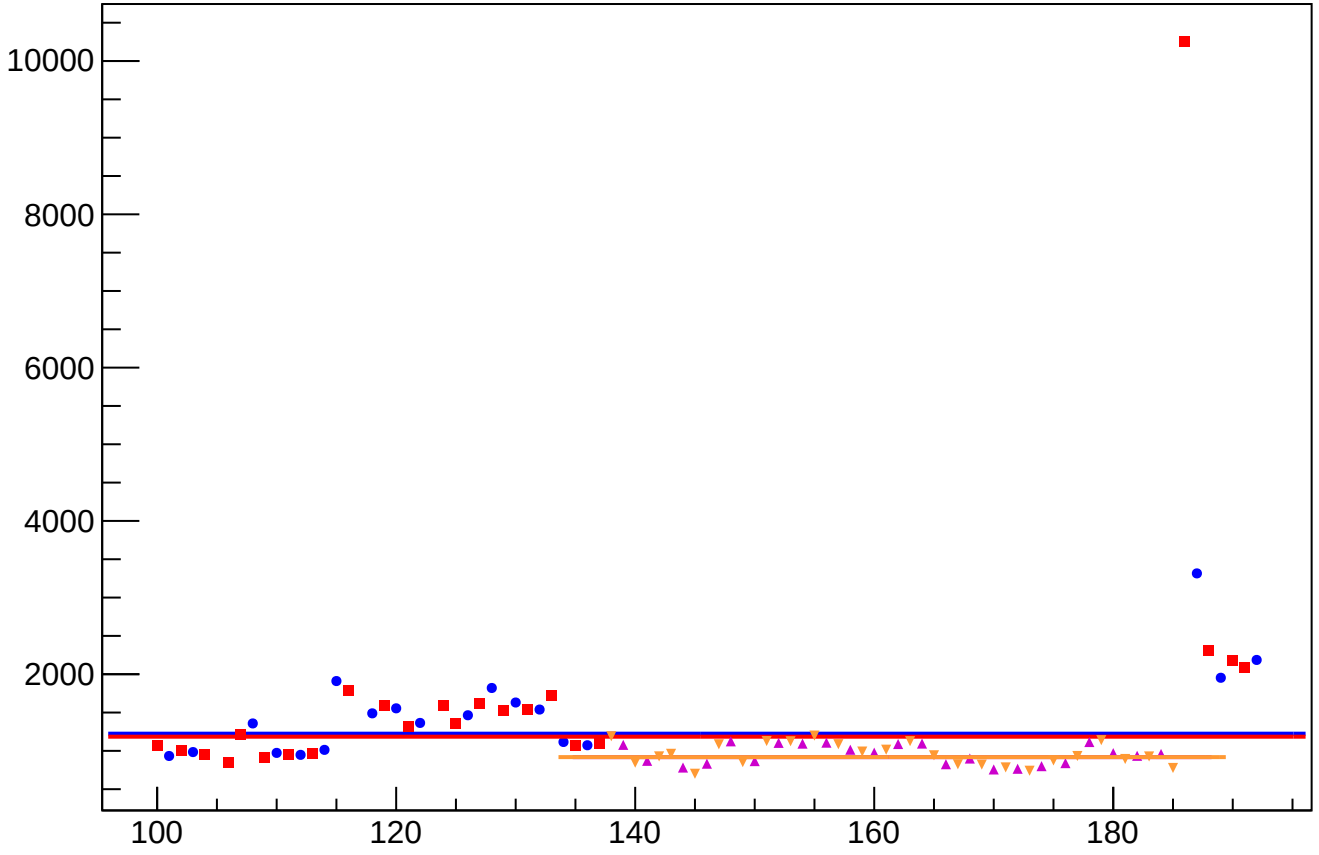
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -804.240+/-189.935 χ^2/NDF: 73.8/43

All: -573.572+/-135.064 χ^2/NDF: 127.0/89

- sign -337.611+/-192.102 χ^2/NDF: 50.3/45

asym_sam_48_dd_reg_correction_rms vs Slug



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

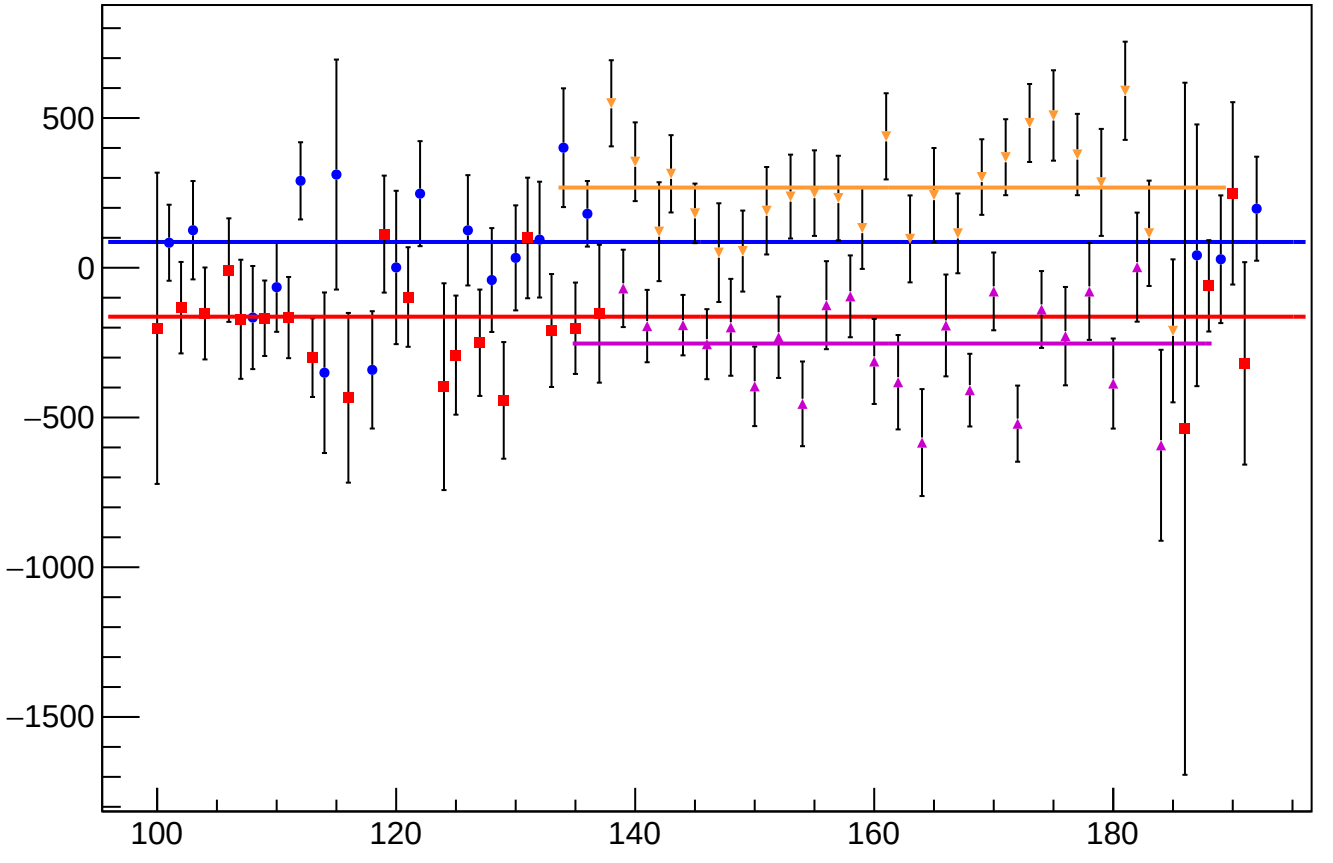
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 978.345+/-0.134 χ^2/NDF: 3096017.5/43

All: 977.294+/-0.096 χ^2/NDF: 6545212.7/89

- sign 976.219+/-0.136 χ^2/NDF: 3449071.3/45

cor_asym_sam_48_dd_mean vs Slug



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

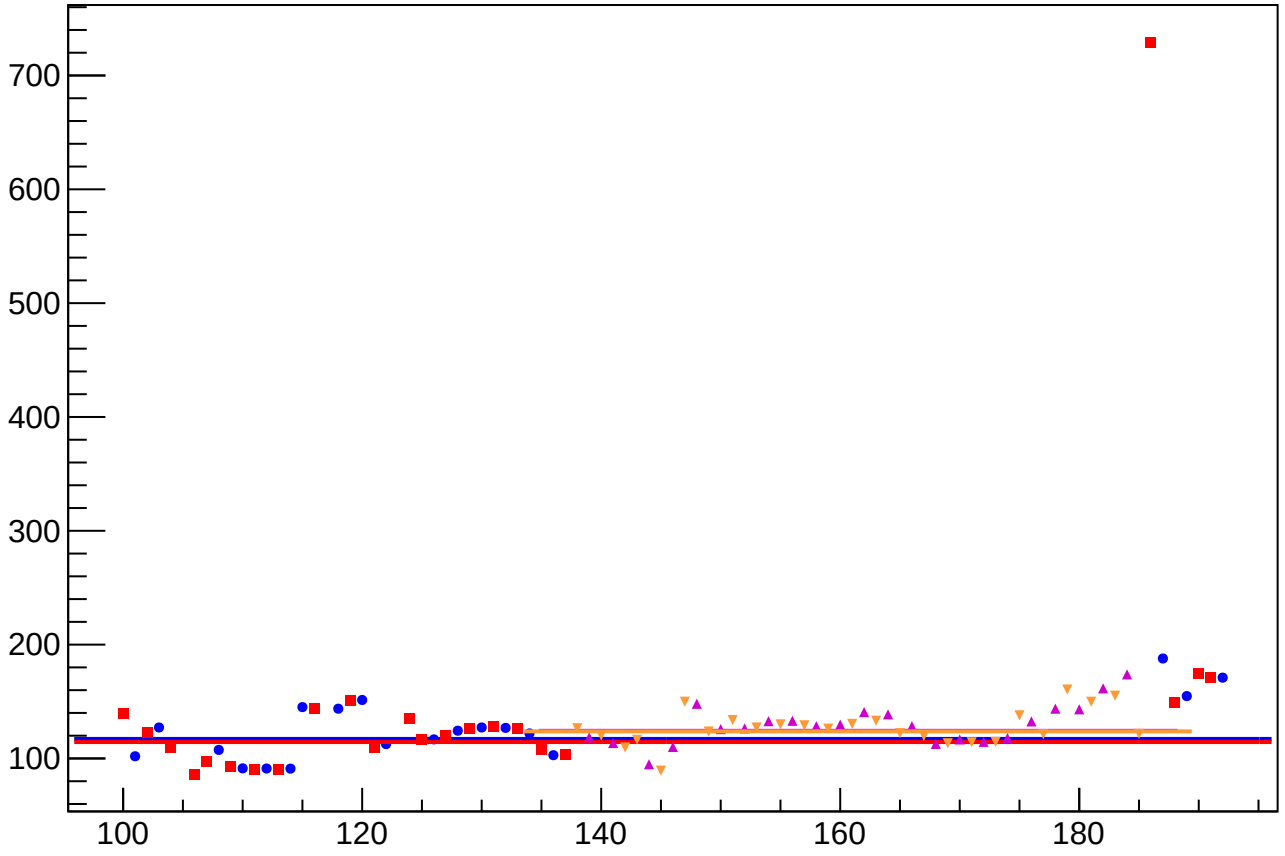
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 206.946+/-23.169 χ^2/NDF: 63.6/43

All: -4.889+/-16.453 χ^2/NDF: 274.4/89

- sign -220.366+/-23.367 χ^2/NDF: 42.2/45

cor_asym_sam_48_dd_rms vs Slug



Right In: 117.157+/-0.028 χ^2/NDF: 644417.7/18

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

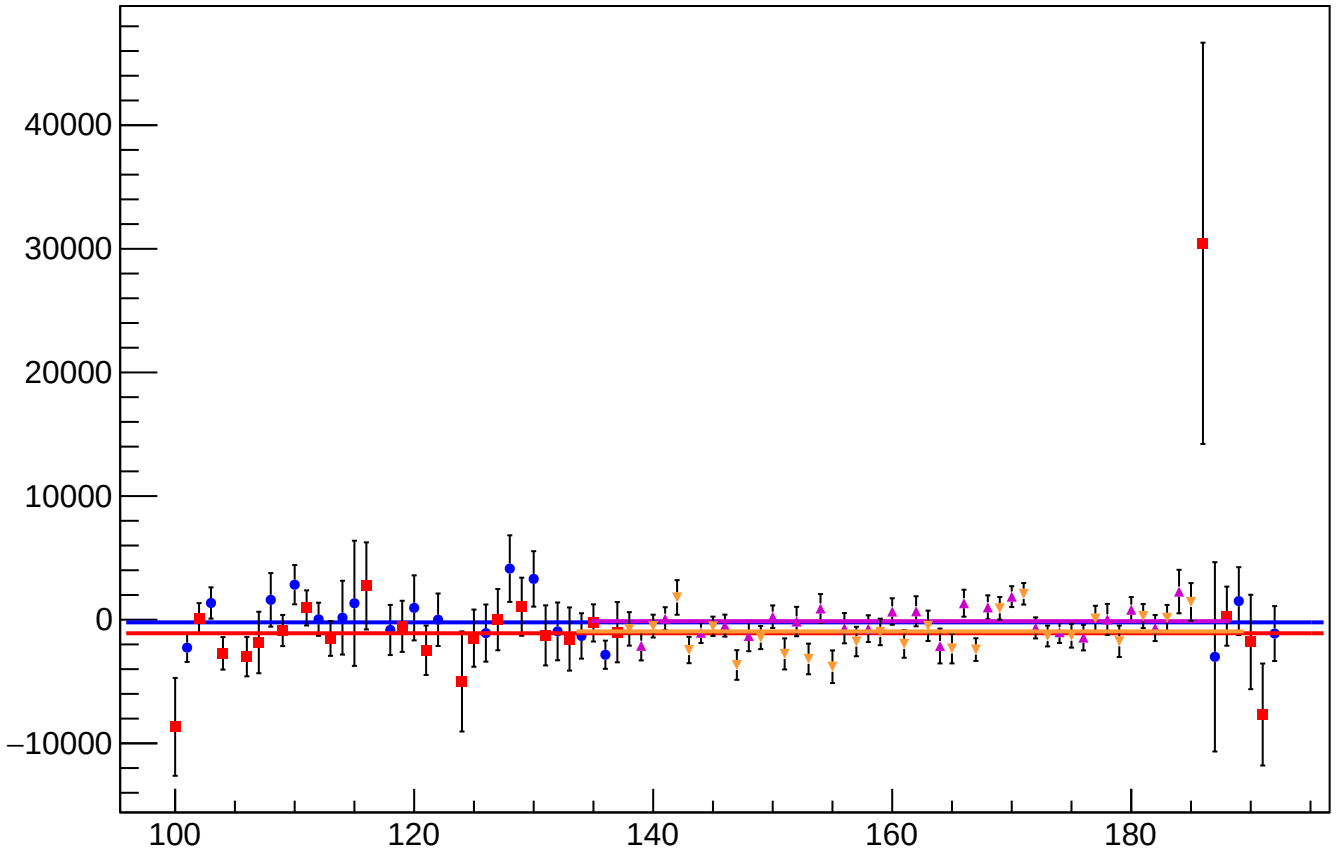
Right Out: 114.418+/-0.027 χ^2/NDF: 1206765.9/22

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 121.581+/-0.016 χ^2/NDF: 1279556.1/43

All: 121.130+/-0.012 χ^2/NDF: 3127232.7/89

- sign 120.672+/-0.017 χ^2/NDF: 1846149.2/45



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

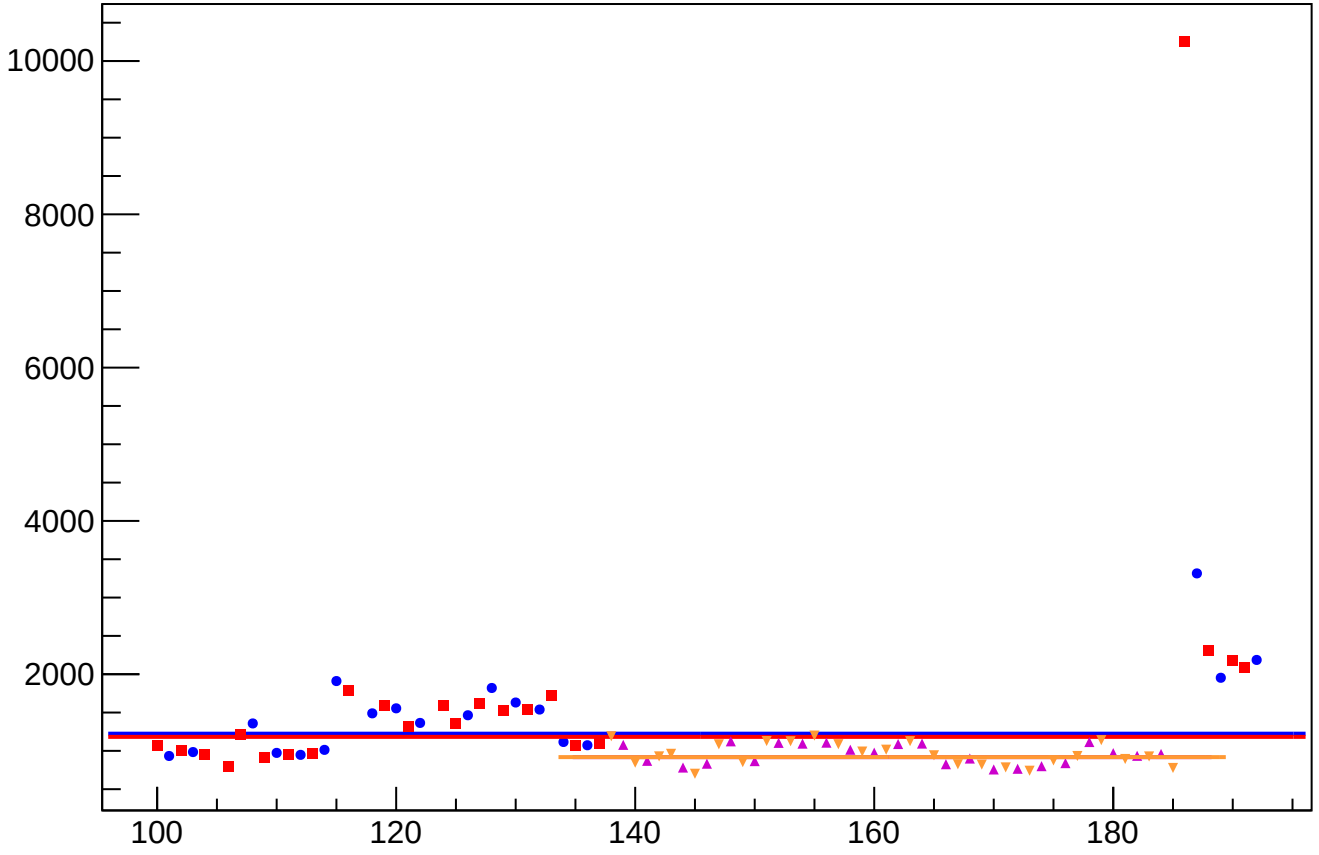
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -804.248+/-189.935 χ^2/NDF: 73.8/43

All: -570.260+/-135.088 χ^2/NDF: 126.2/89

- sign -330.732+/-192.170 χ^2/NDF: 49.4/45

asym_sam_48_dd_cor_correction_rms vs Slug



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

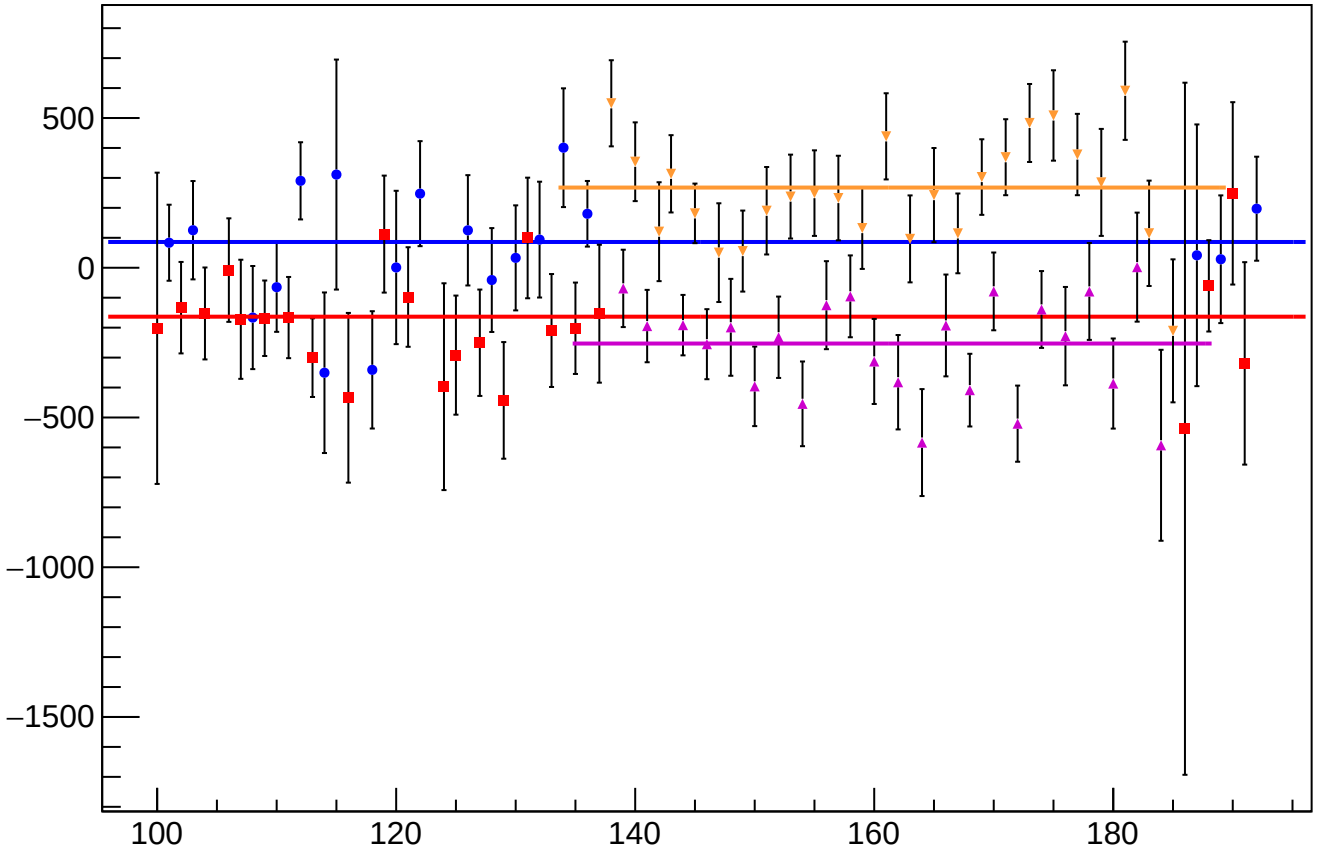
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 978.346+/-0.134 χ^2/NDF: 3096016.8/43

All: 976.980+/-0.096 χ^2/NDF: 6556997.0/89

- sign 975.581+/-0.136 χ^2/NDF: 3460770.7/45

eigen_cor_asym_sam_48_dd_mean vs Slug



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

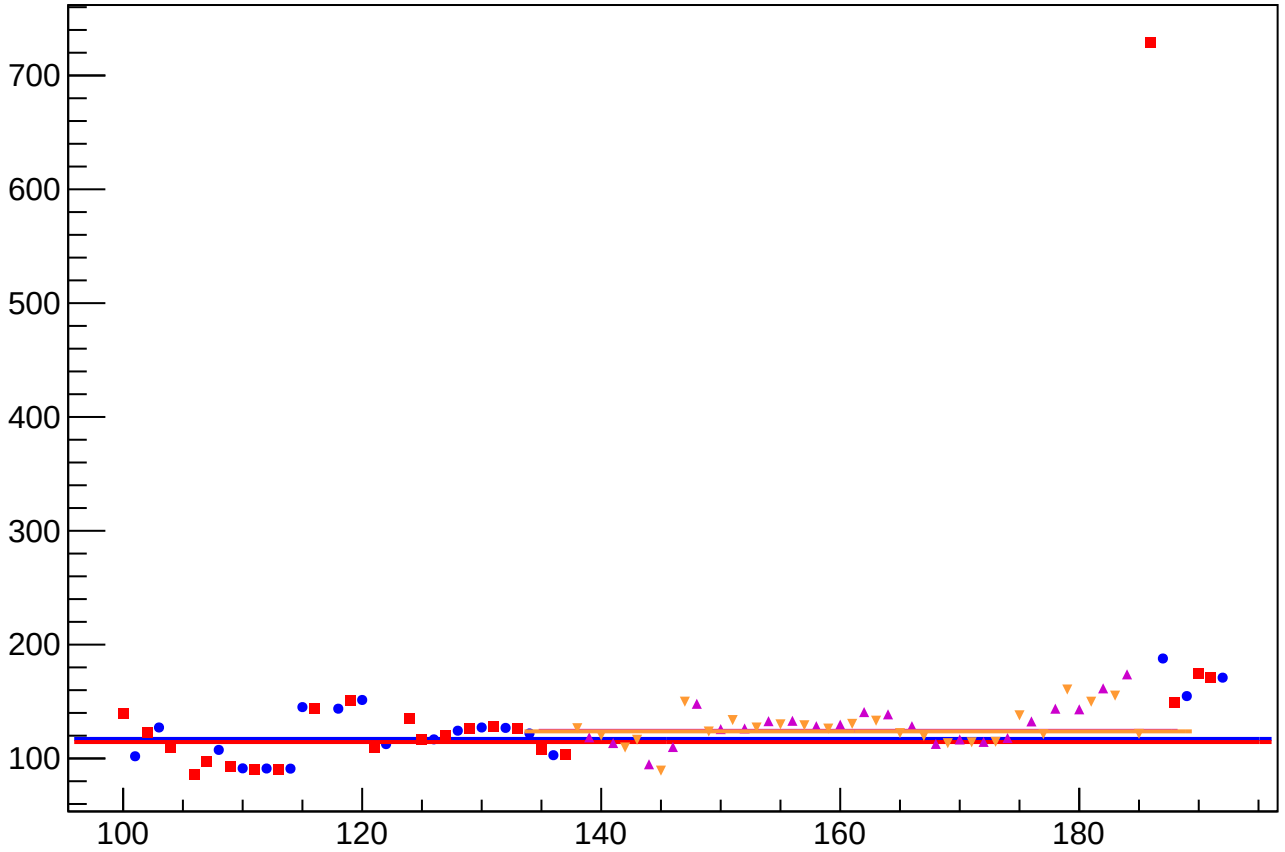
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 206.946+/-23.169 χ^2/NDF: 63.6/43

All: -4.889+/-16.453 χ^2/NDF: 274.4/89

- sign -220.366+/-23.367 χ^2/NDF: 42.2/45

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 117.157+/-0.028 χ^2/NDF: 644417.7/18

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

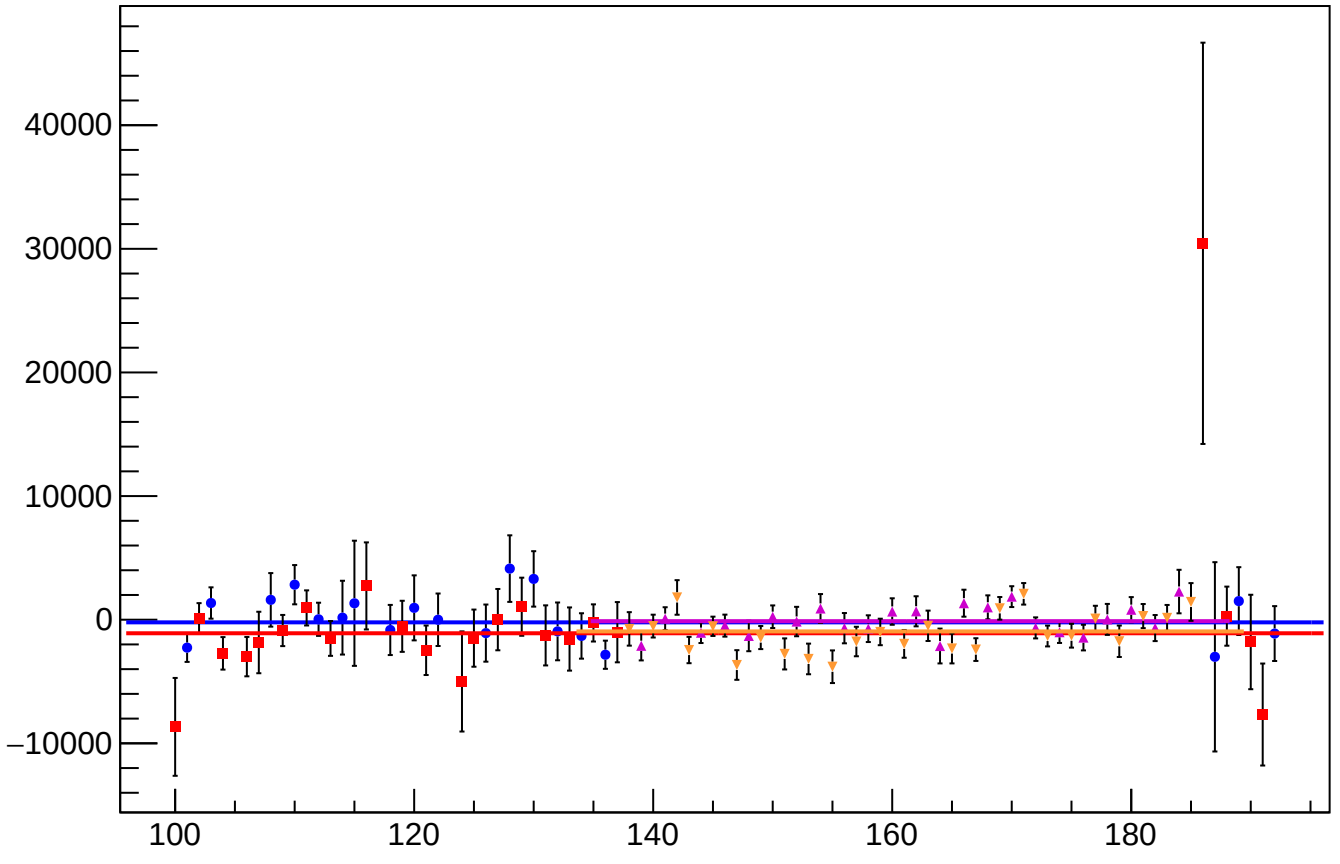
Right Out: 114.418+/-0.027 χ^2/NDF: 1206765.9/22

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 121.581+/-0.016 χ^2/NDF: 1279556.1/43

All: 121.130+/-0.012 χ^2/NDF: 3127232.7/89

- sign 120.672+/-0.017 χ^2/NDF: 1846149.2/45



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

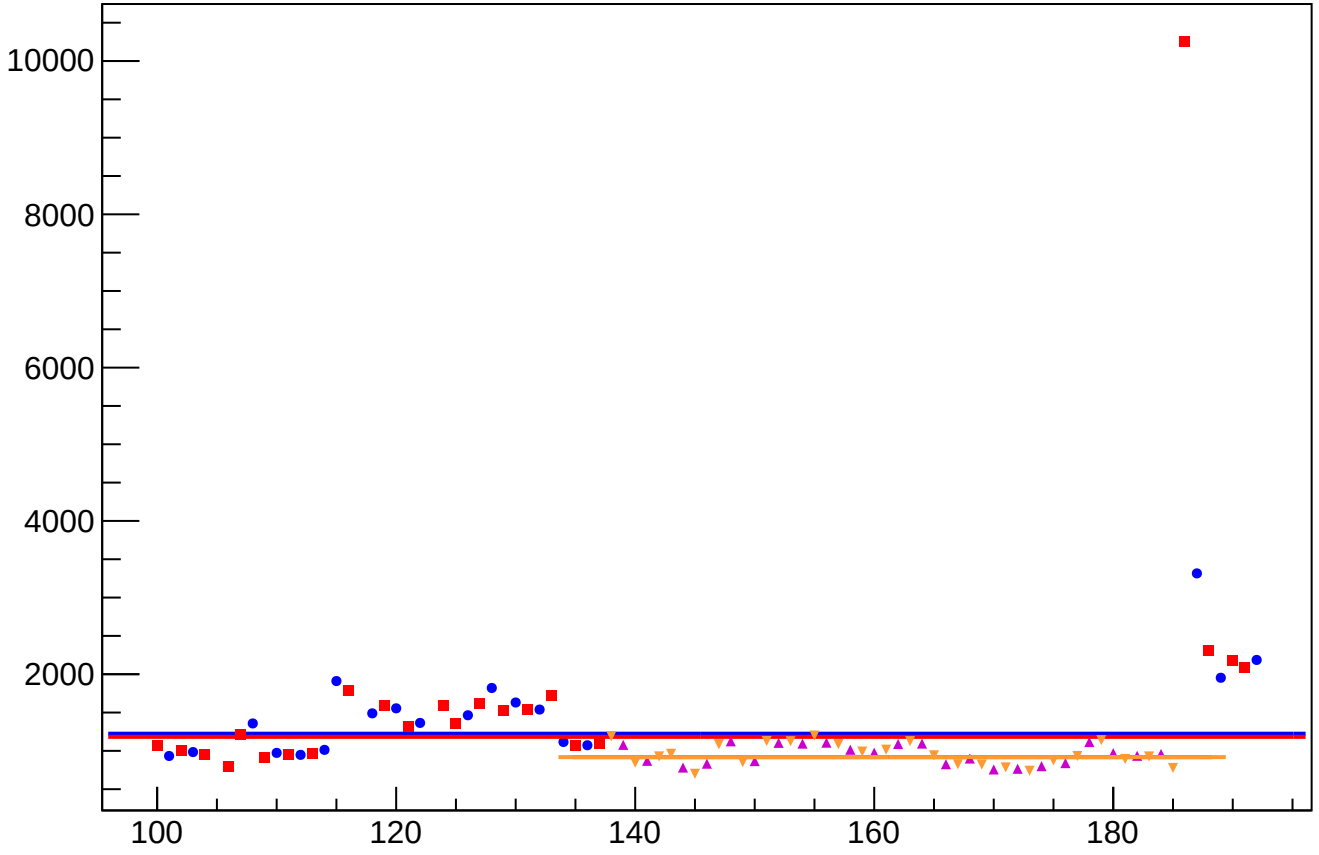
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -804.248+/-189.935 χ^2/NDF: 73.8/43

All: -570.260+/-135.088 χ^2/NDF: 126.2/89

- sign -330.732+/-192.170 χ^2/NDF: 49.4/45

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



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

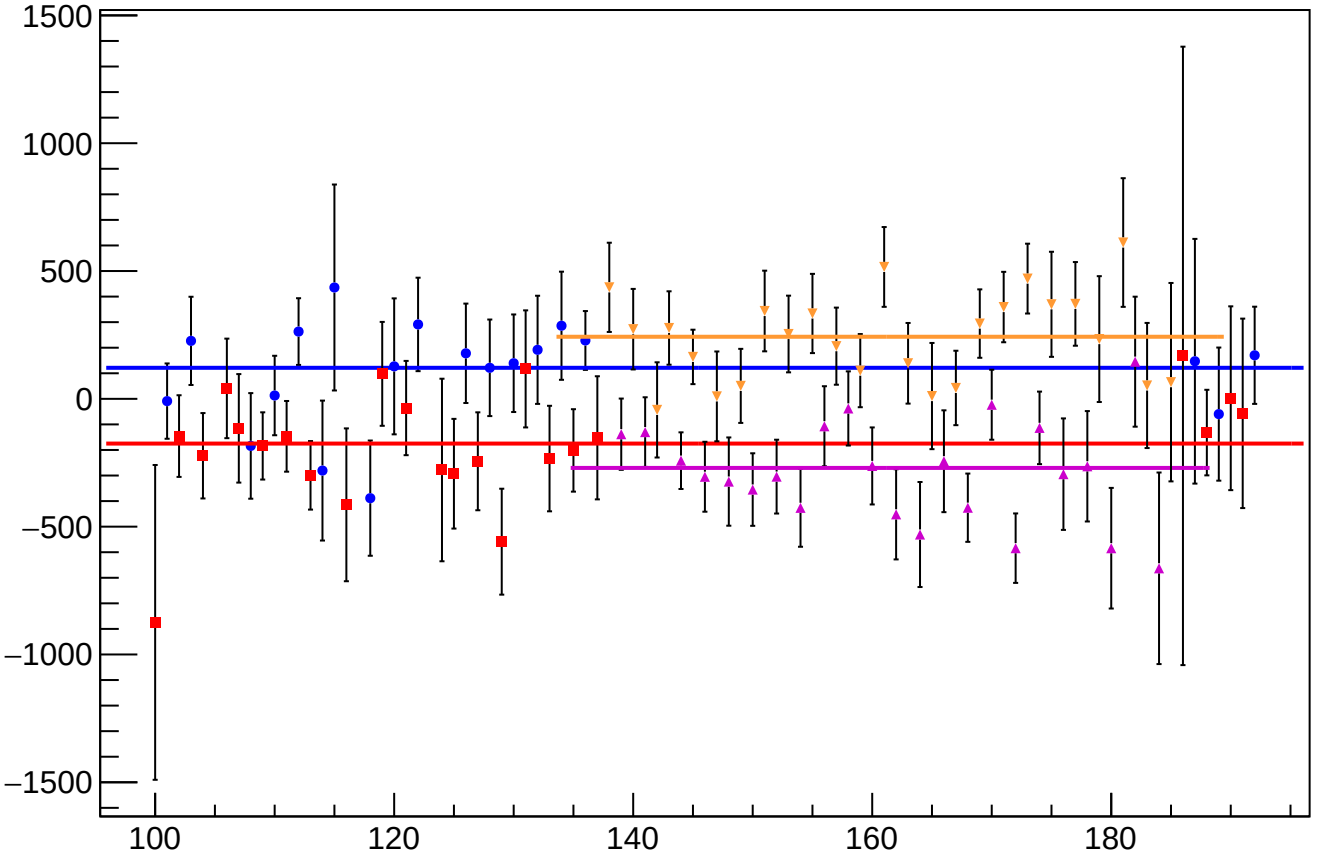
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 978.346+/-0.134 χ^2/NDF: 3096016.8/43

All: 976.980+/-0.096 χ^2/NDF: 6556997.0/89

- sign 975.581+/-0.136 χ^2/NDF: 3460770.7/45

dit_asym_sam_48_dd_mean vs Slug



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

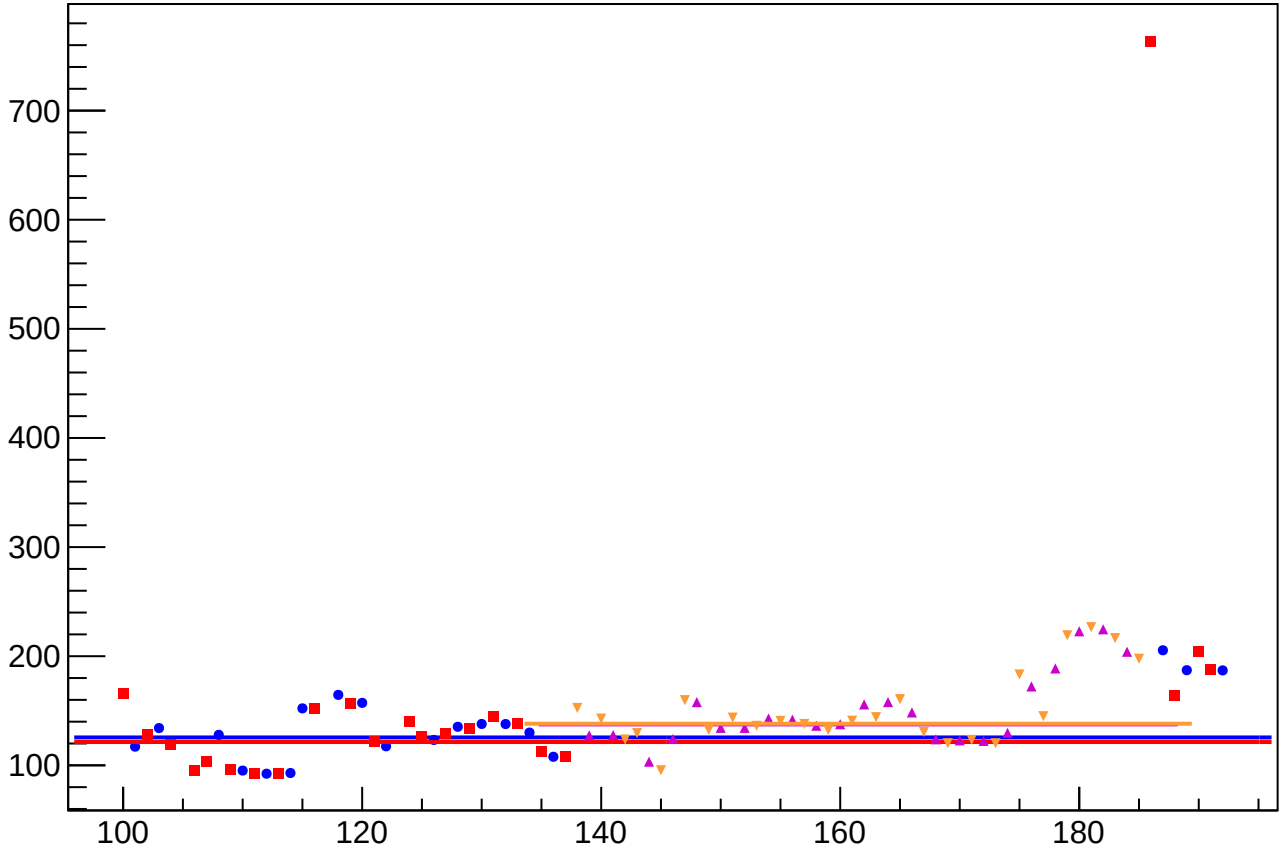
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 199.636+/-25.789 χ^2/NDF: 44.7/43

All: -17.335+/-18.214 χ^2/NDF: 228.7/89

- sign -233.259+/-25.727 χ^2/NDF: 42.8/45

dit_asym_sam_48_dd_rms vs Slug



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

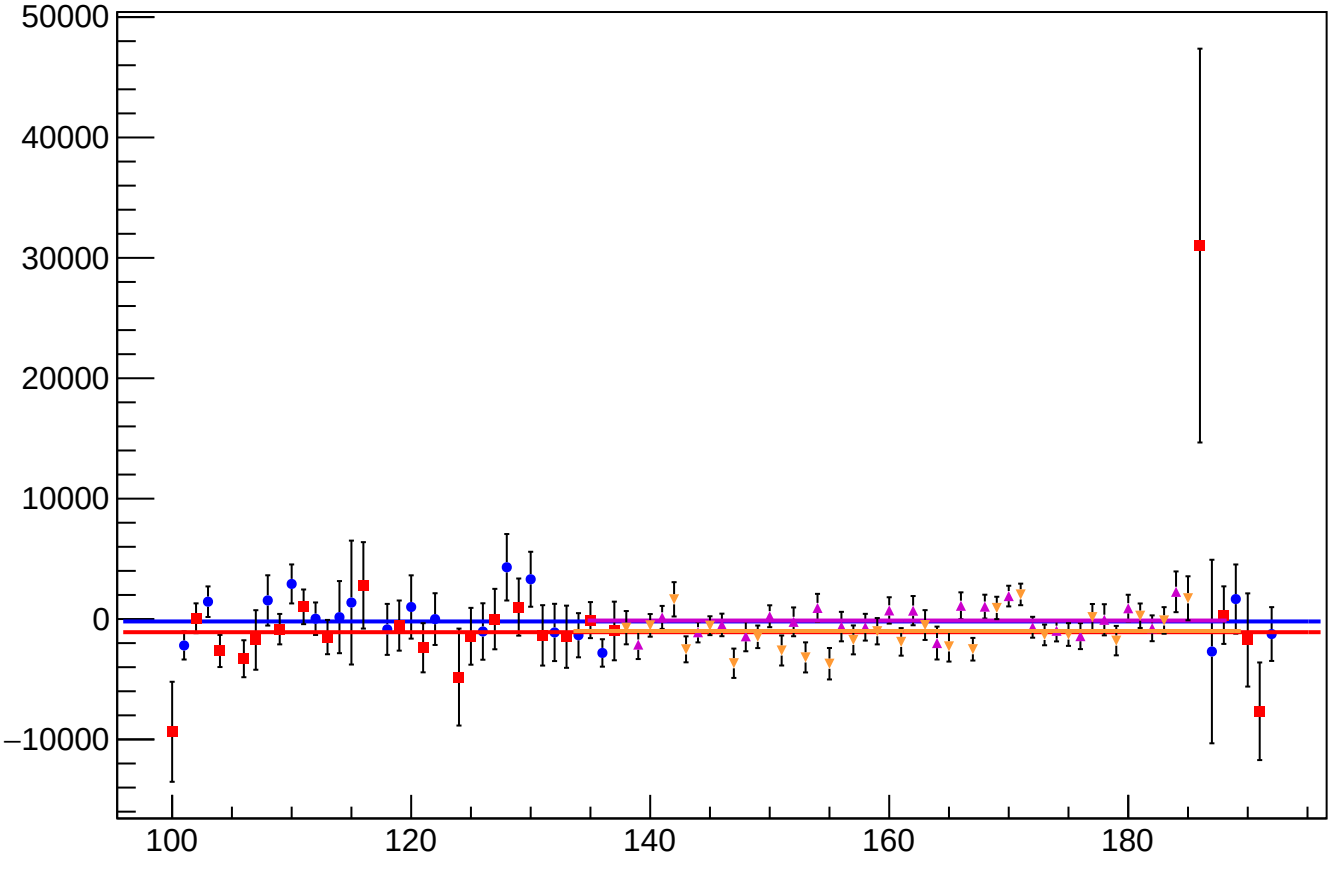
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 133.648+/-0.018 χ^2/NDF: 2240298.8/43

All: 132.435+/-0.013 χ^2/NDF: 4868337.7/89

- sign 131.228+/-0.018 χ^2/NDF: 2619207.8/45

asym_sam_48_dd_dit_correction_mean vs Slug



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

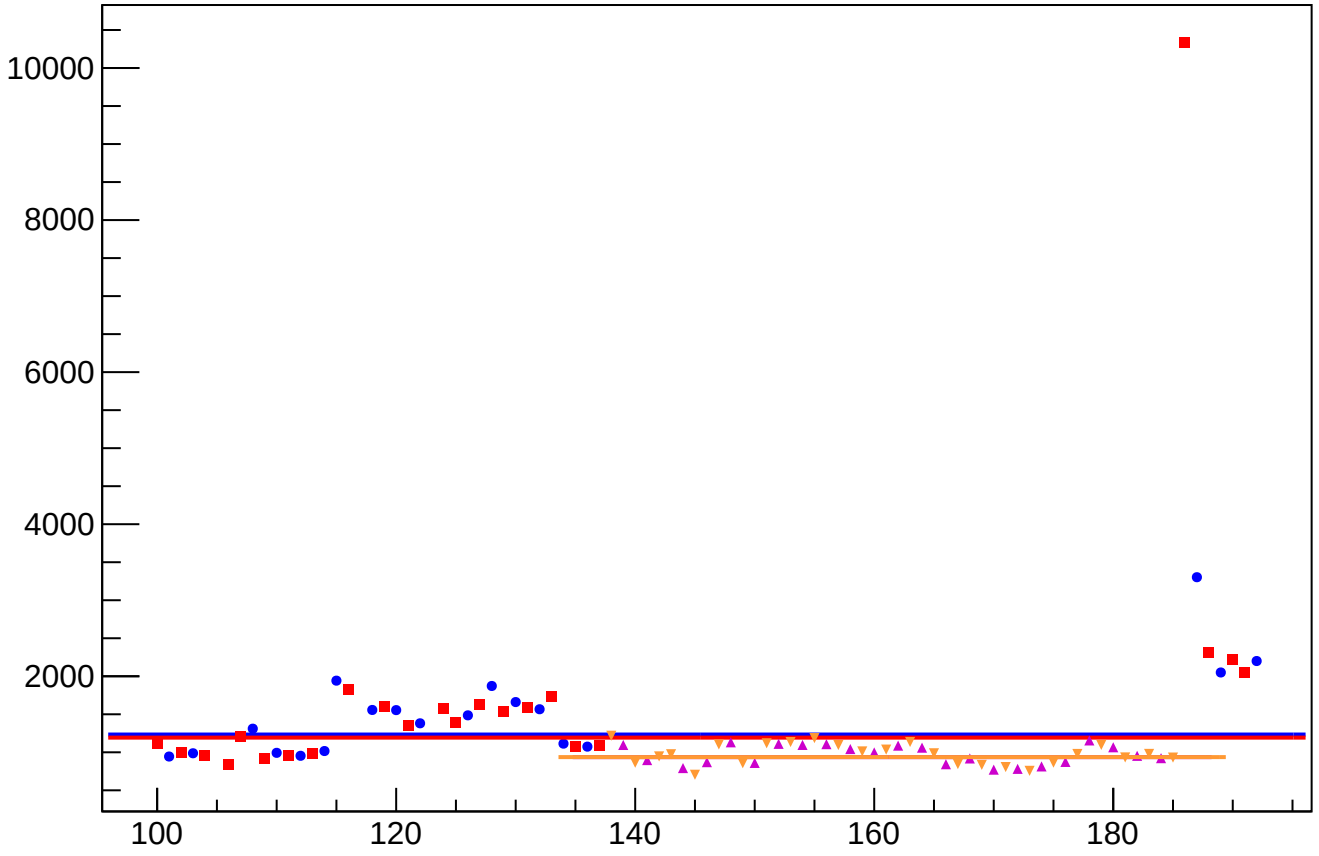
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -835.632+/-193.028 χ^2/NDF: 70.8/43

All: -590.499+/-137.278 χ^2/NDF: 123.5/89

- sign -339.629+/-195.274 χ^2/NDF: 49.5/45

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1233.725+/-0.306 χ^2/NDF: 1435602.7/18

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1193.017+/-0.293 χ^2/NDF: 2146854.6/22

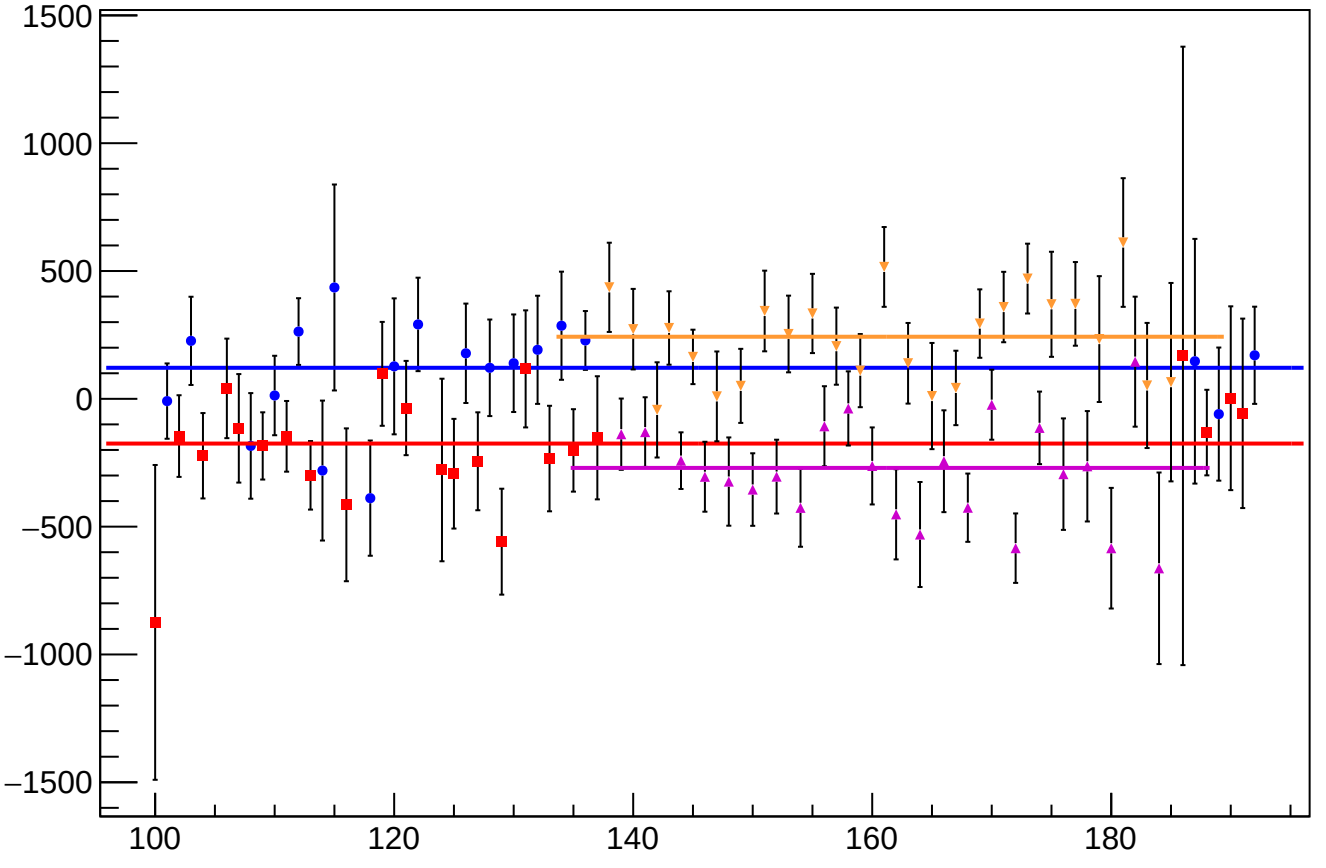
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 995.789+/-0.136 χ^2/NDF: 3022163.1/43

All: 994.566+/-0.097 χ^2/NDF: 6408279.9/89

- sign 993.315+/-0.138 χ^2/NDF: 3385954.5/45

eigen_dit_asym_sam_48_dd_mean vs Slug



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

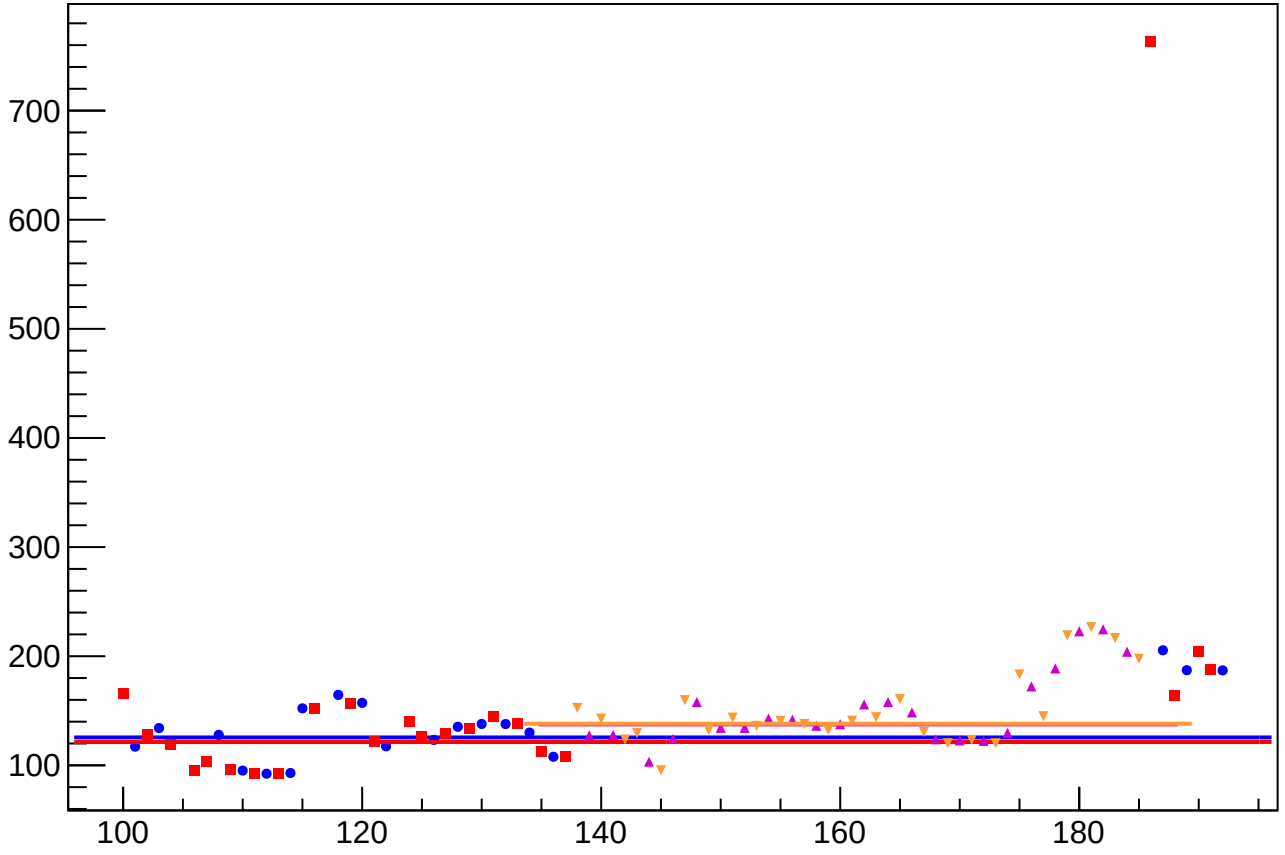
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 199.638+/-25.789 χ^2/NDF: 44.7/43

All: -17.335+/-18.214 χ^2/NDF: 228.7/89

- sign -233.260+/-25.727 χ^2/NDF: 42.8/45

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 125.549+/-0.031 χ^2/NDF: 792893.3/18

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

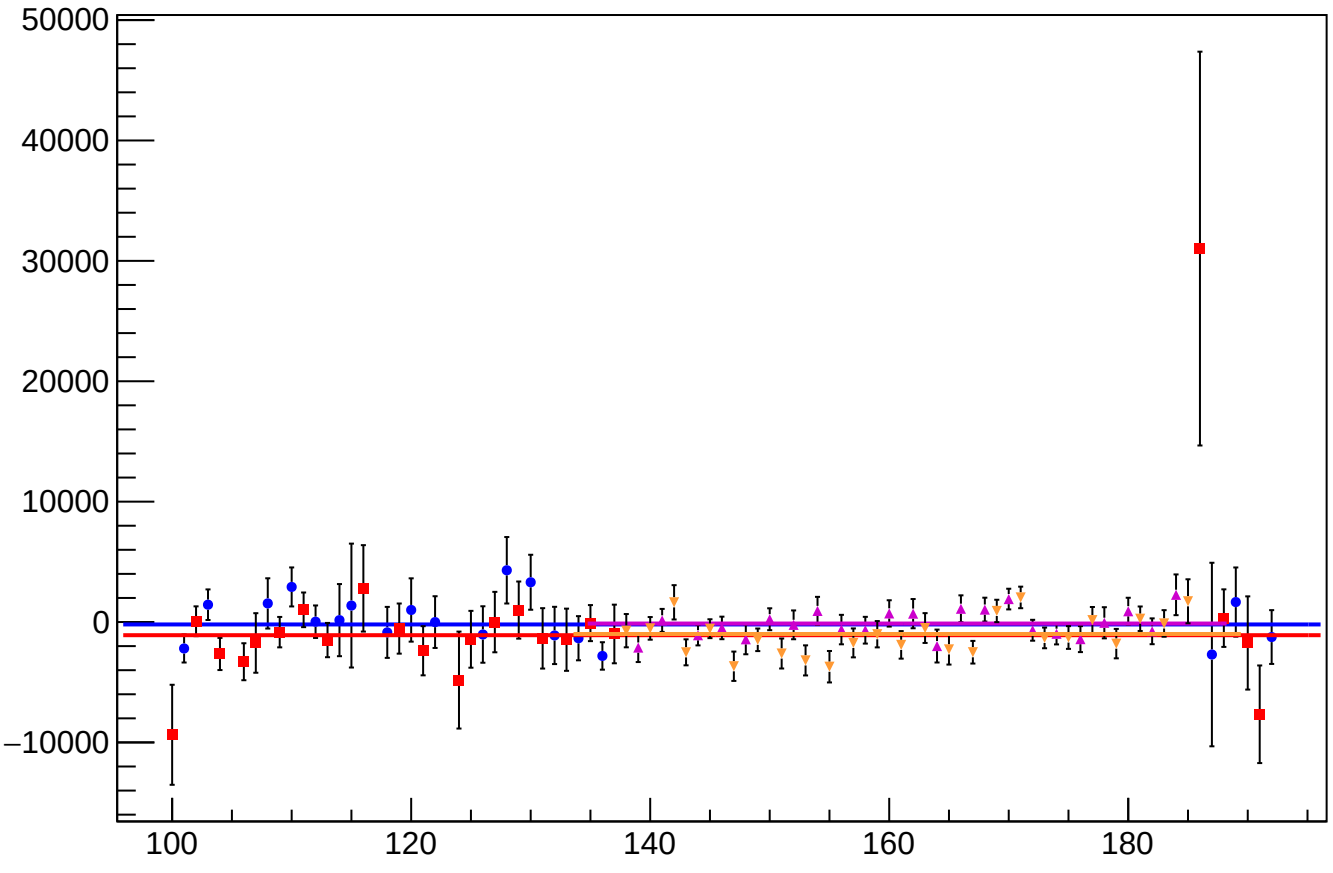
Right Out: 121.359+/-0.029 χ^2/NDF: 1323097.4/22

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 133.648+/-0.018 χ^2/NDF: 2240298.0/43

All: 132.435+/-0.013 χ^2/NDF: 4868330.4/89

- sign 131.228+/-0.018 χ^2/NDF: 2619201.1/45



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

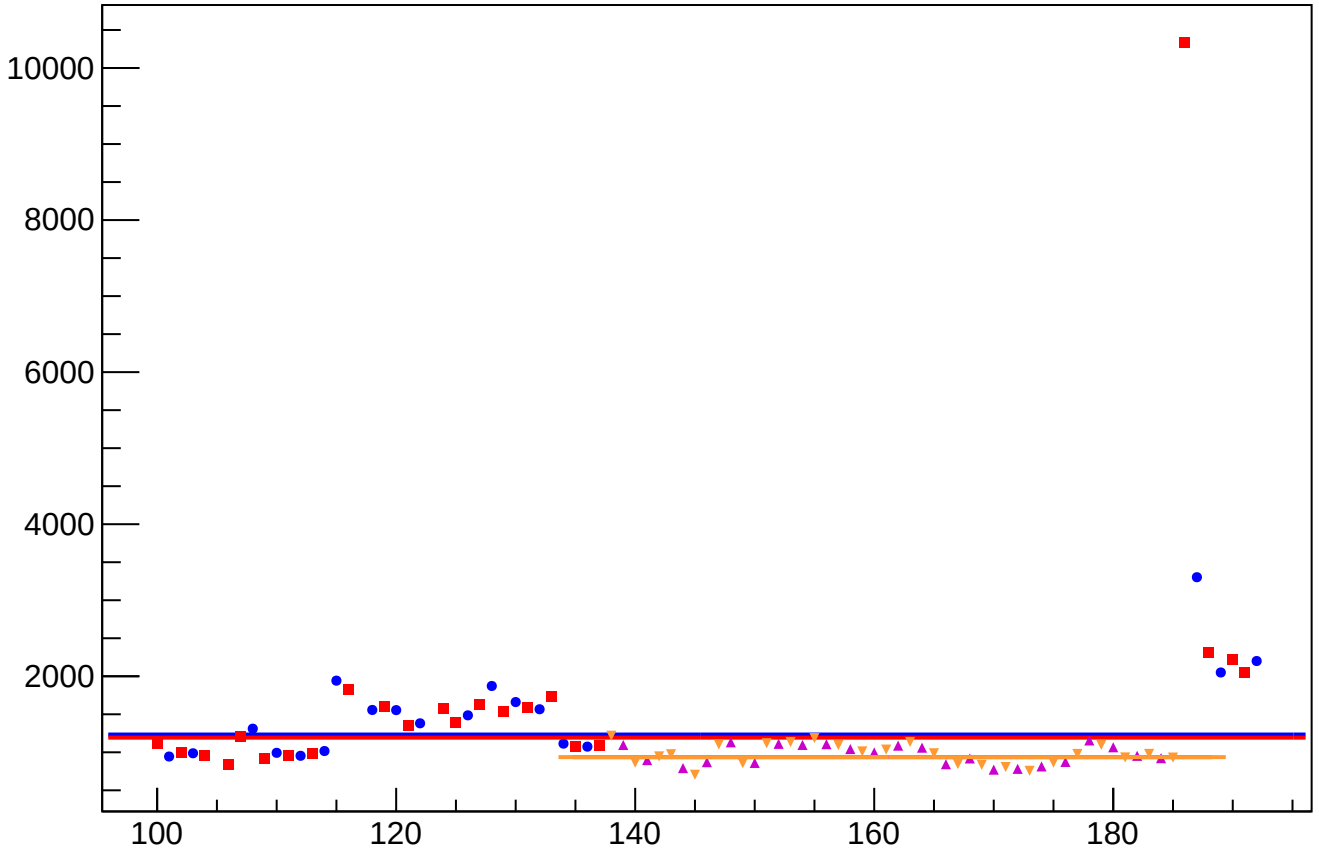
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -835.630+/-193.027 χ^2/NDF: 70.8/43

All: -590.498+/-137.278 χ^2/NDF: 123.5/89

- sign -339.627+/-195.274 χ^2/NDF: 49.5/45

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



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

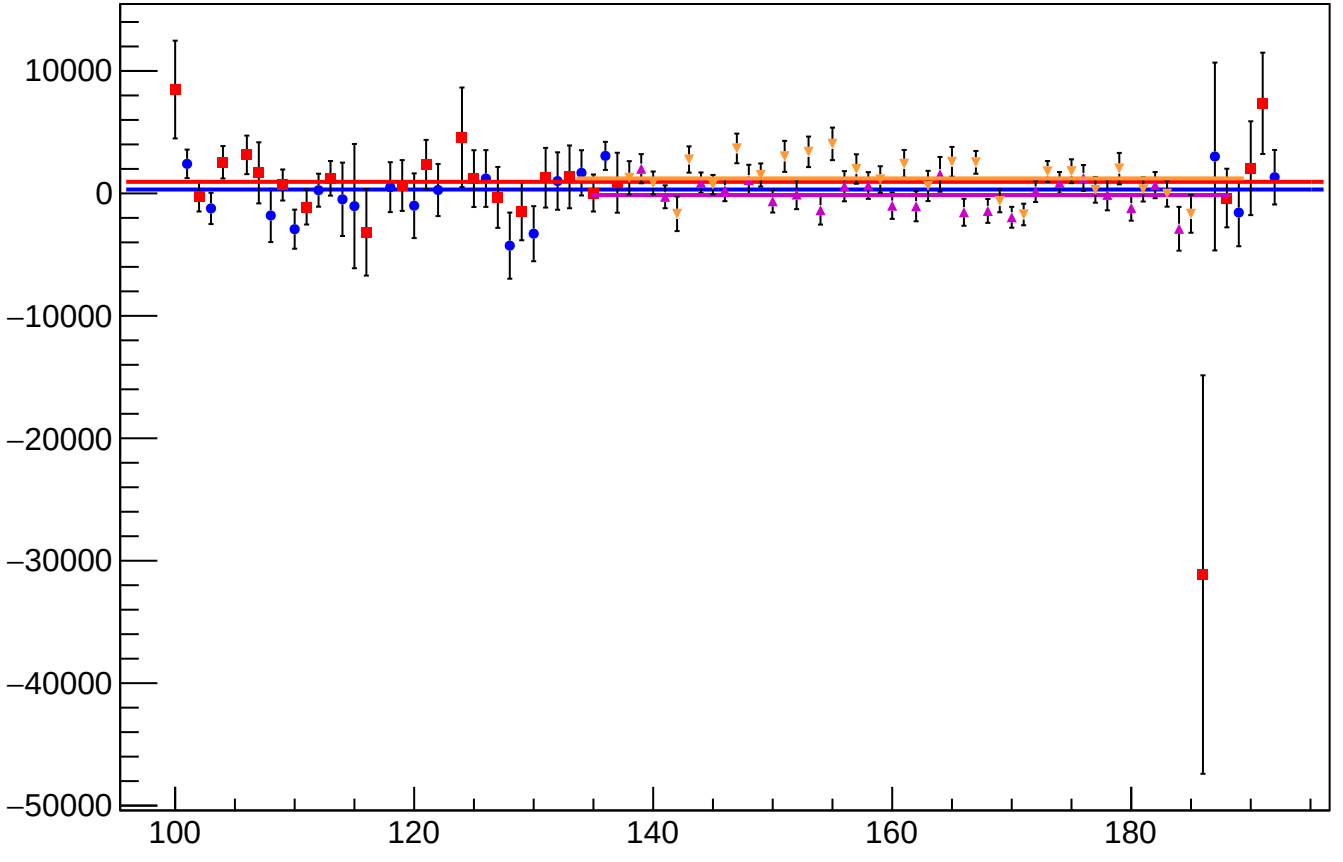
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 995.788+/-0.136 χ^2/NDF: 3022169.9/43

All: 994.565+/-0.097 χ^2/NDF: 6408288.0/89

- sign 993.314+/-0.138 χ^2/NDF: 3385955.8/45

asym_sam_48_dd_mean vs Slug



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

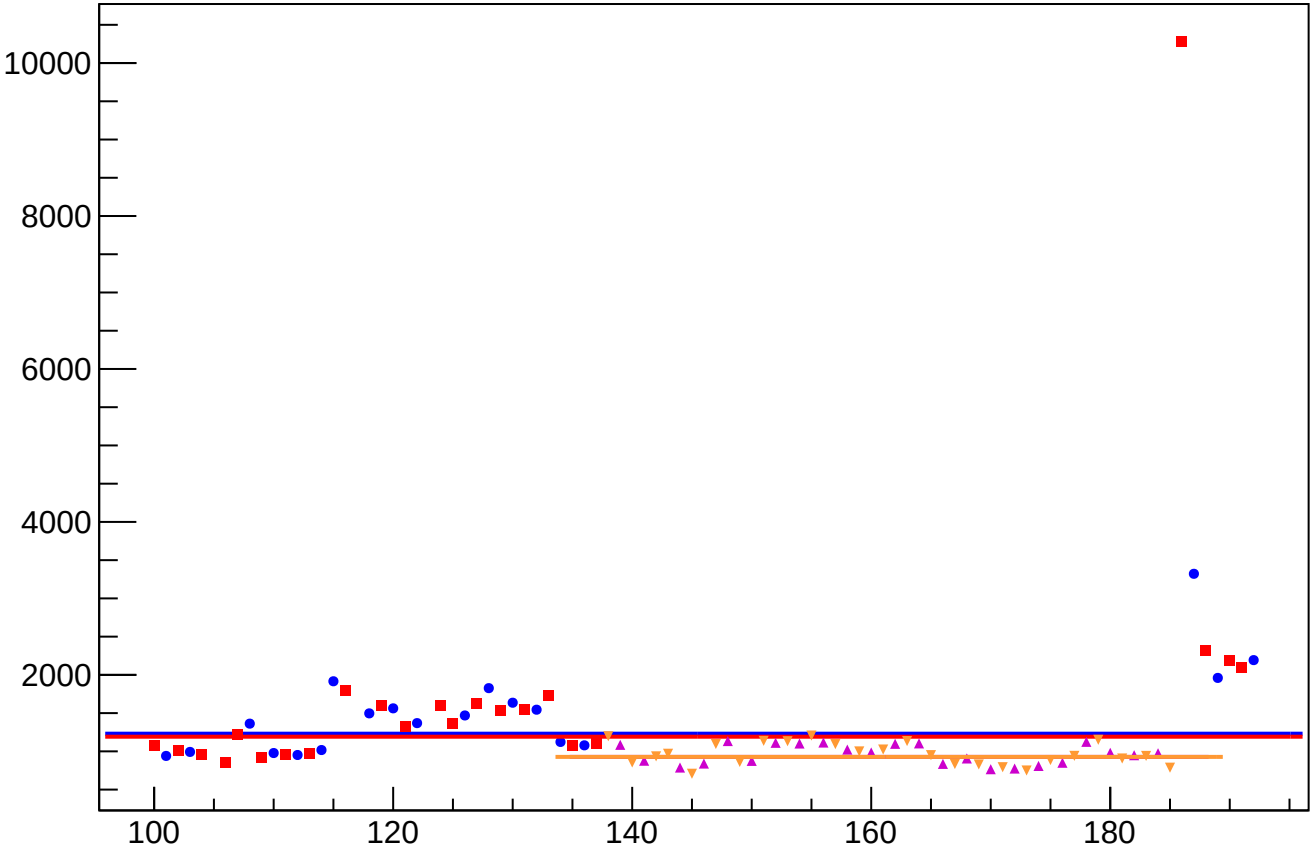
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1046.476+/-191.606 χ^2/NDF: 75.0/43

All: 580.044+/-136.252 χ^2/NDF: 139.3/89

- sign 102.916+/-193.791 χ^2/NDF: 52.3/45

asym_sam_48_dd_rms vs Slug



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

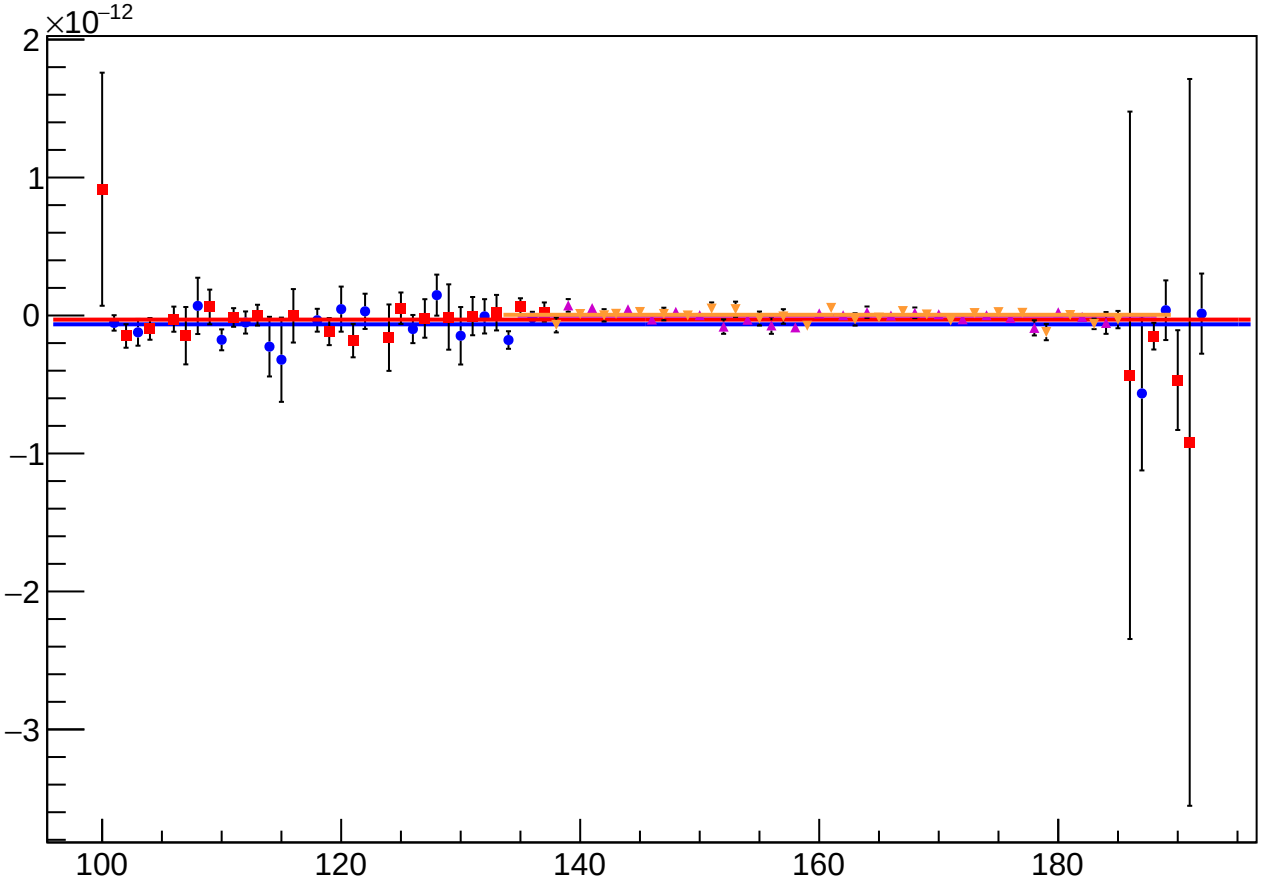
Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 987.423+/-0.135 χ^2/NDF: 3050685.0/43

All: 986.308+/-0.096 χ^2/NDF: 6458826.3/89

- sign 985.168+/-0.137 χ^2/NDF: 3408004.3/45

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

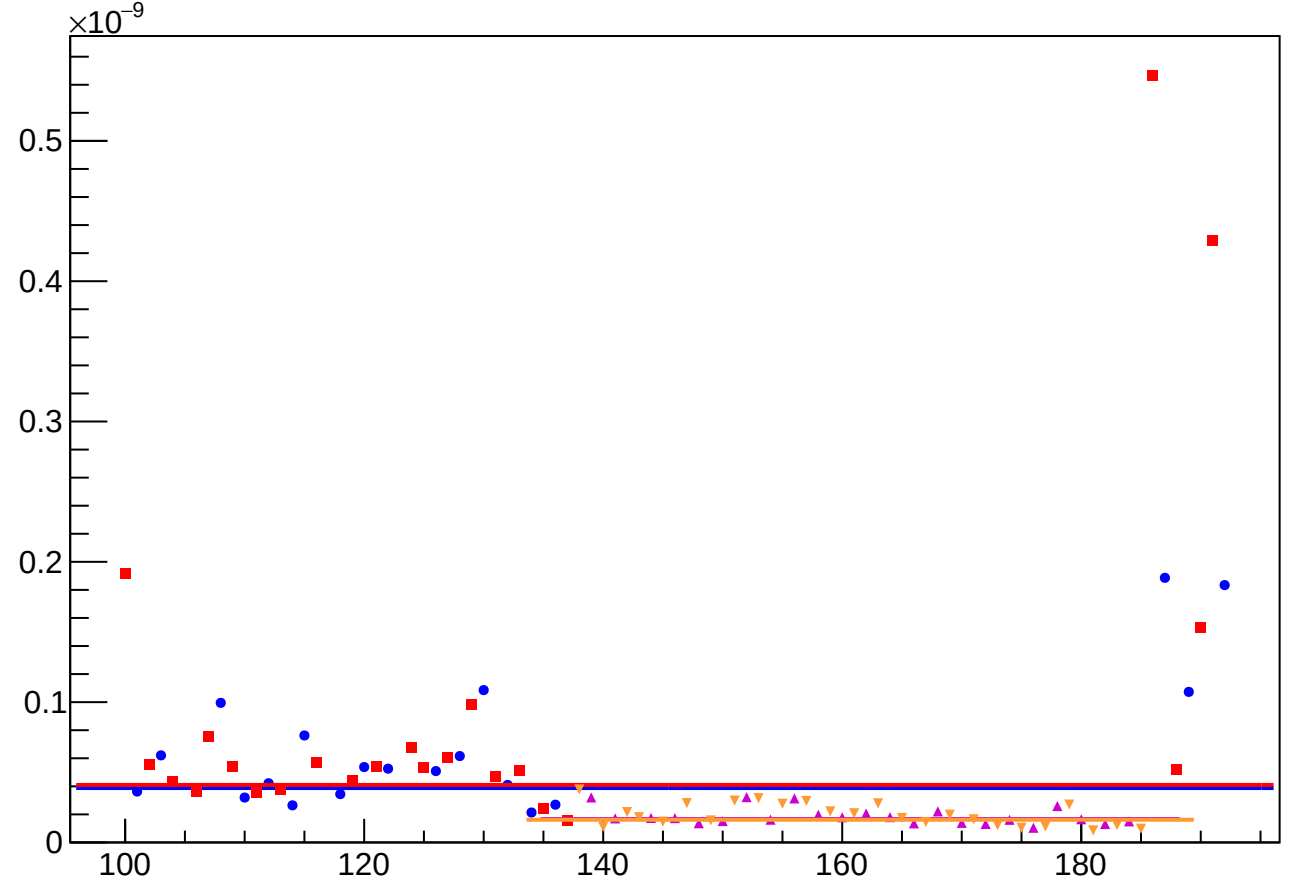
Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/22

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.3/43

All: -0.000+/-0.000 χ^2/NDF: 92.4/89

- sign -0.000+/-0.000 χ^2/NDF: 44.0/45



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

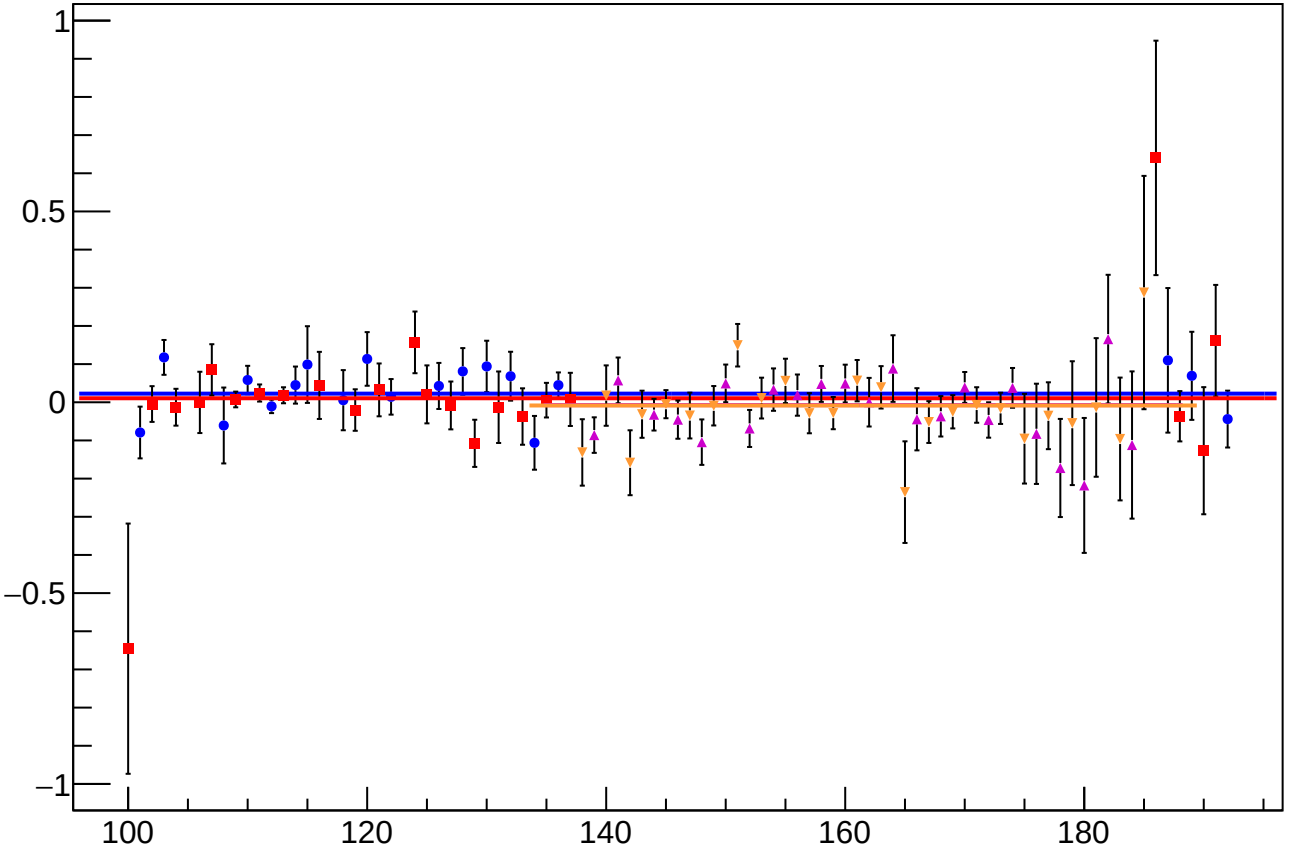
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5861175.1/43

All: 0.000+/-0.000 χ^2/NDF: 10267324.2/89

- sign 0.000+/-0.000 χ^2/NDF: 4393700.9/45

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



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

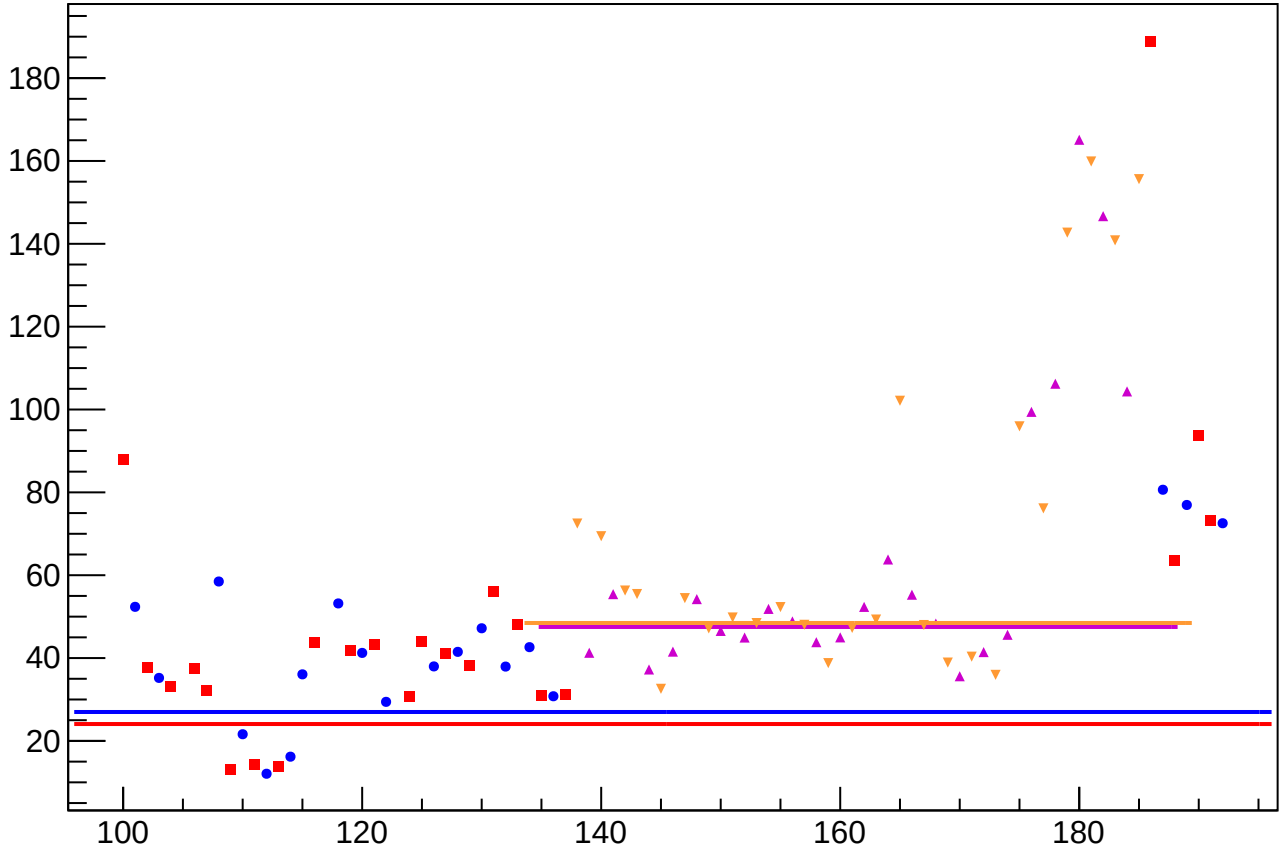
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.7/43

All: 0.006+/-0.006 χ^2/NDF: 94.3/89

- sign 0.003+/-0.008 χ^2/NDF: 45.3/45

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.983+/-0.008 χ^2/NDF: 4253645.2/18

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

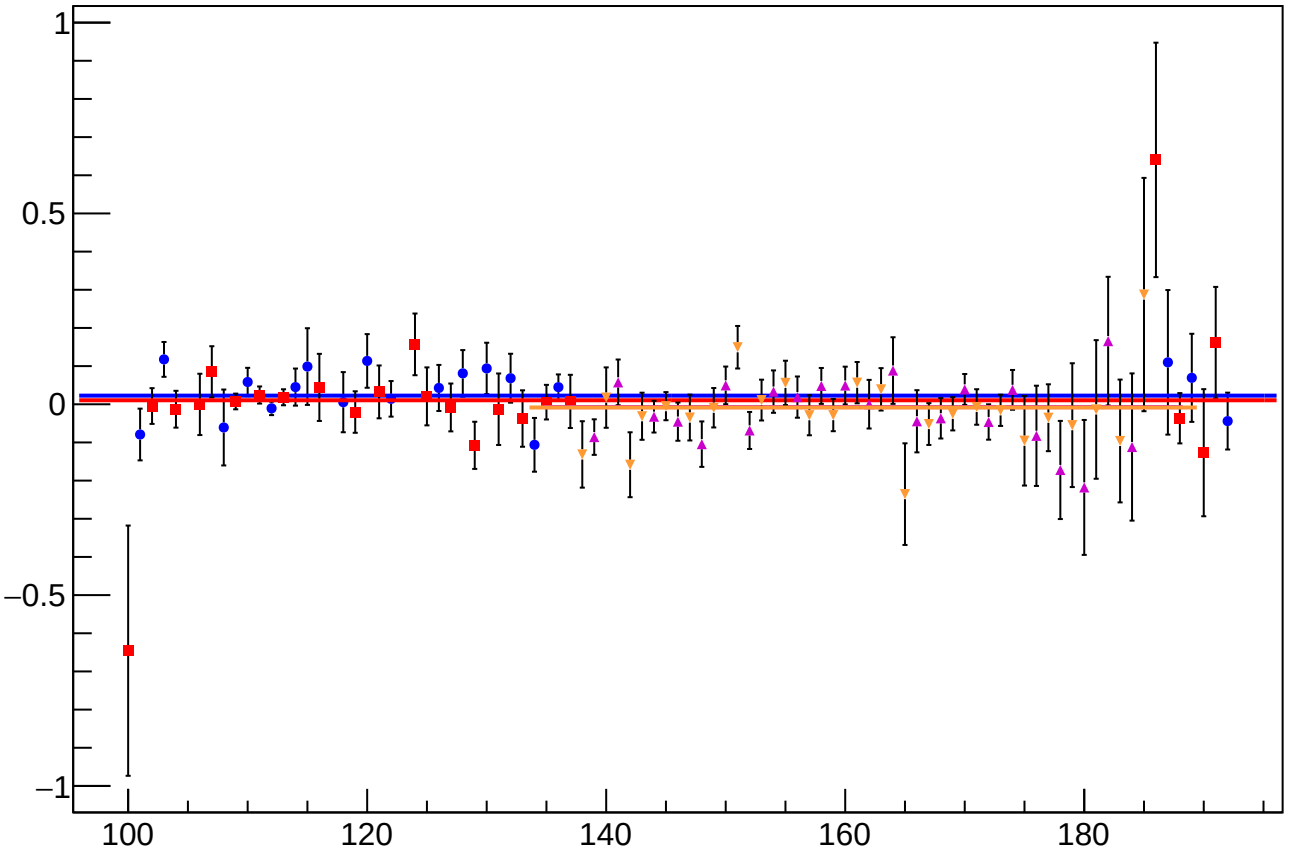
Right Out: 24.077+/-0.007 χ^2/NDF: 5058621.6/22

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 36.673+/-0.006 χ^2/NDF: 12144339.9/43

All: 34.845+/-0.004 χ^2/NDF: 25084065.2/89

- sign 33.251+/-0.005 χ^2/NDF: 12747312.0/45



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/18

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

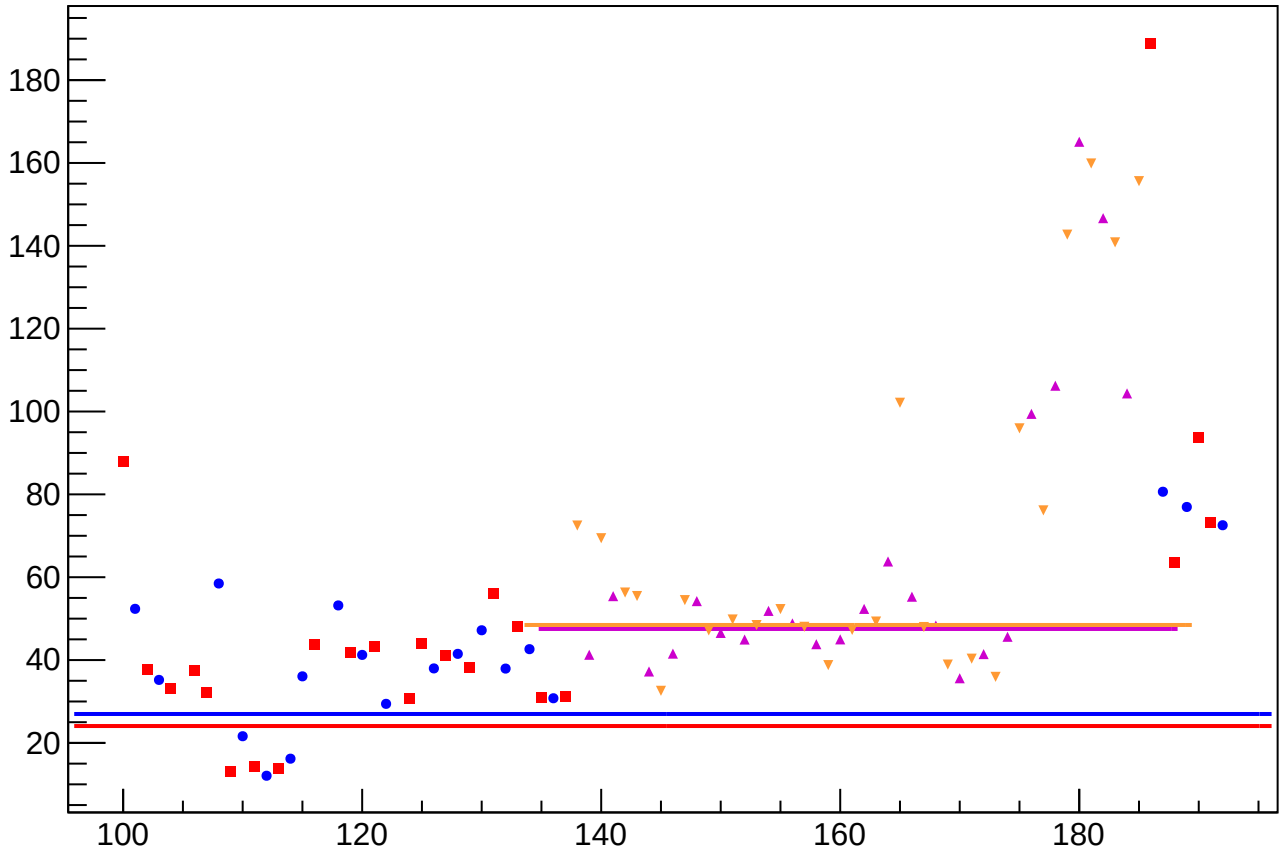
Right Out: 0.011+/-0.010 χ^2/NDF: 20.7/22

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.7/43

All: 0.006+/-0.006 χ^2/NDF: 94.3/89

- sign 0.003+/-0.008 χ^2/NDF: 45.3/45



Right In: 26.983+/-0.008 χ^2/NDF: 4253645.2/18

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

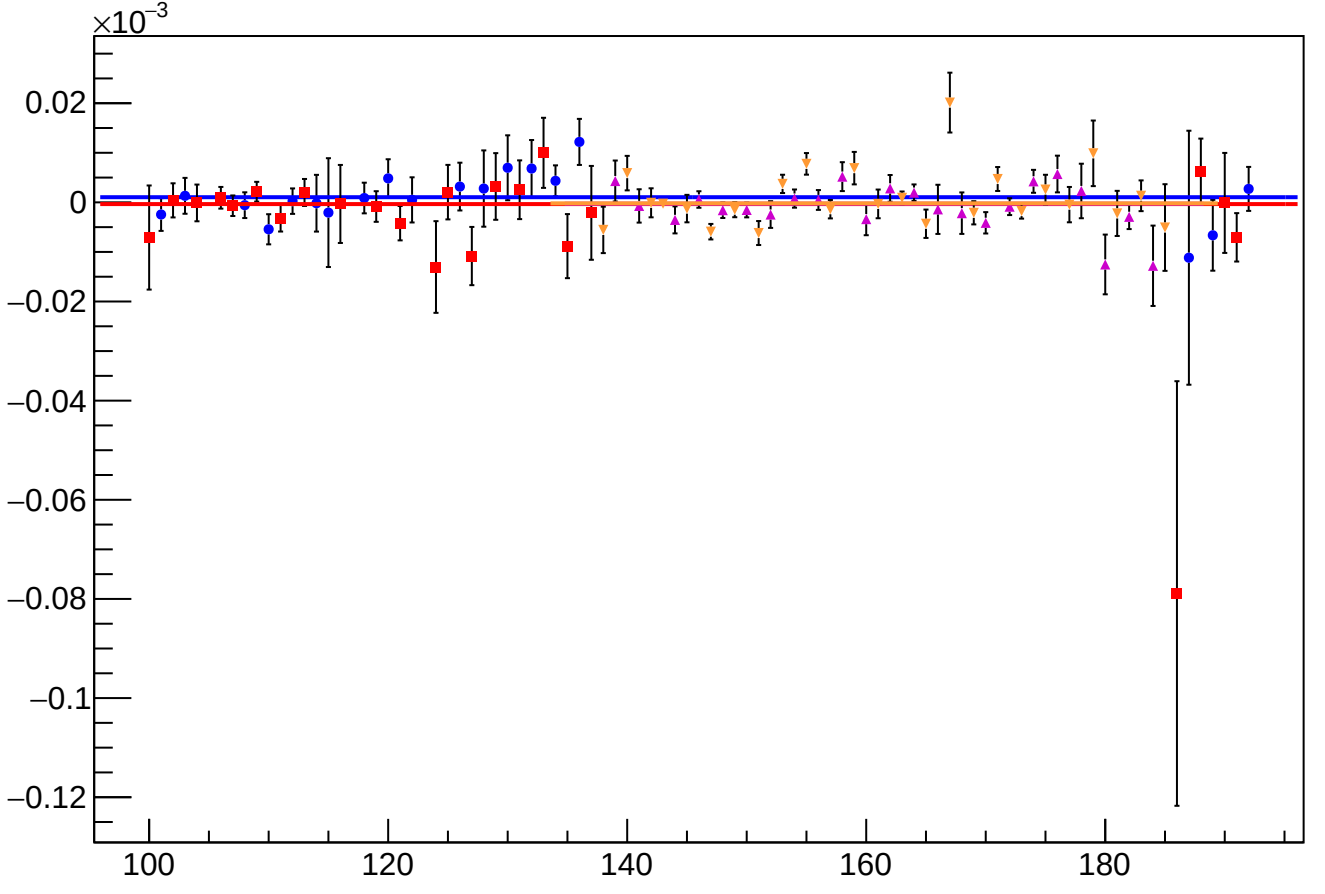
Right Out: 24.077+/-0.007 χ^2/NDF: 5058621.6/22

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 36.673+/-0.006 χ^2/NDF: 12144339.9/43

All: 34.845+/-0.004 χ^2/NDF: 25084065.2/89

- sign 33.251+/-0.005 χ^2/NDF: 12747312.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

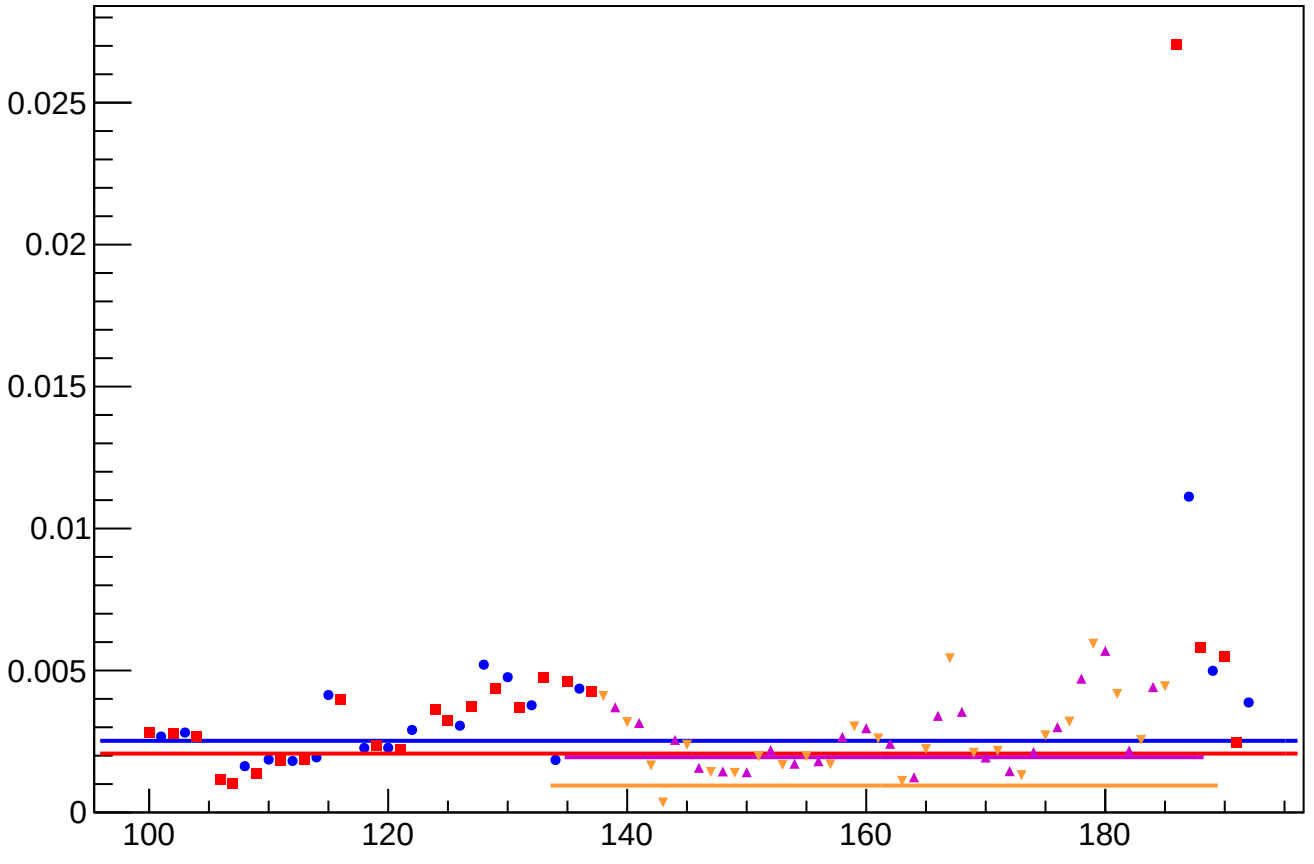
Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/22

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 91.0/43

All: -0.000+/-0.000 χ^2/NDF: 143.5/89

- sign -0.000+/-0.000 χ^2/NDF: 52.3/45



Right In: 0.003+/-0.000 χ^2/NDF: 2251401.4/18

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

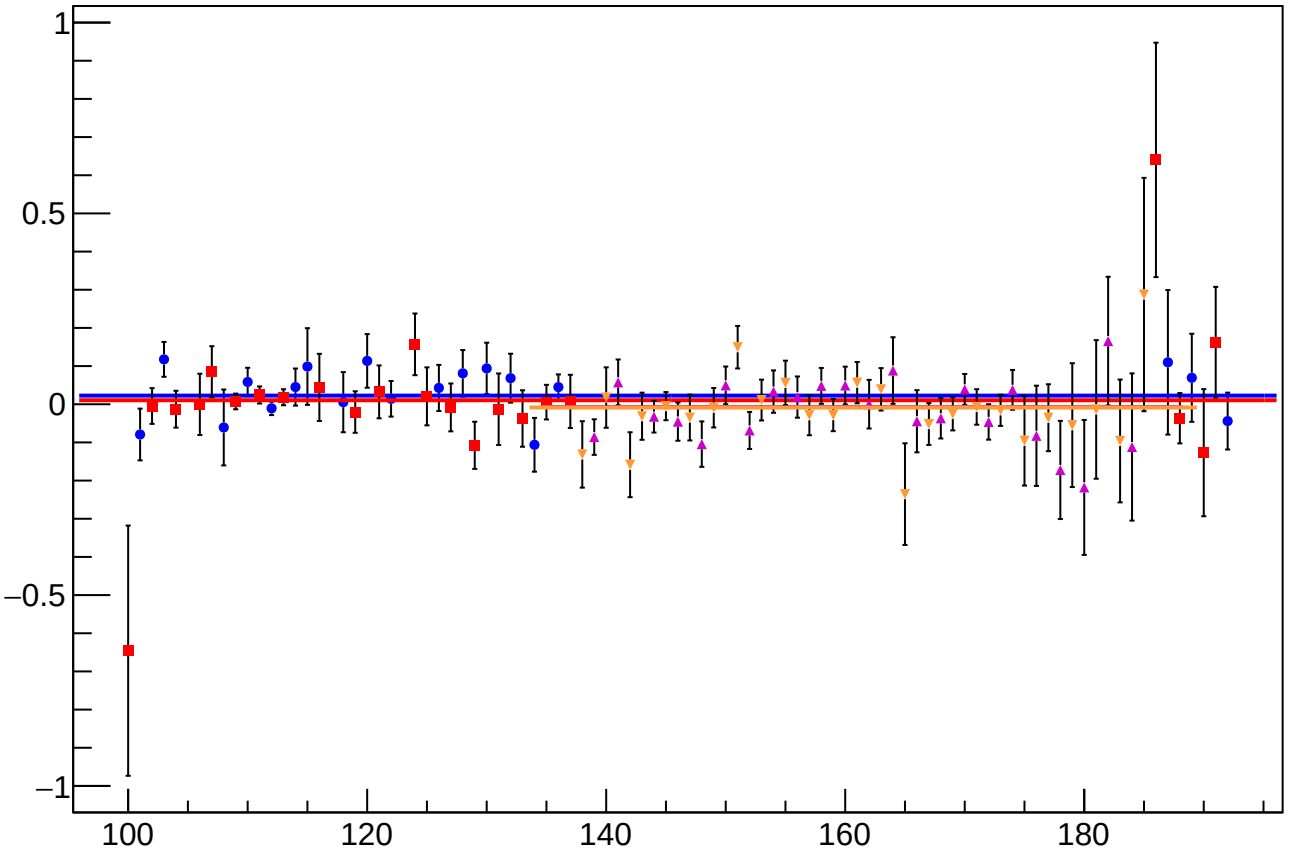
Right Out: 0.002+/-0.000 χ^2/NDF: 4353782.5/22

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 25114284.6/43

All: 0.001+/-0.000 χ^2/NDF: 39891863.6/89

- sign 0.002+/-0.000 χ^2/NDF: 8753423.6/45



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

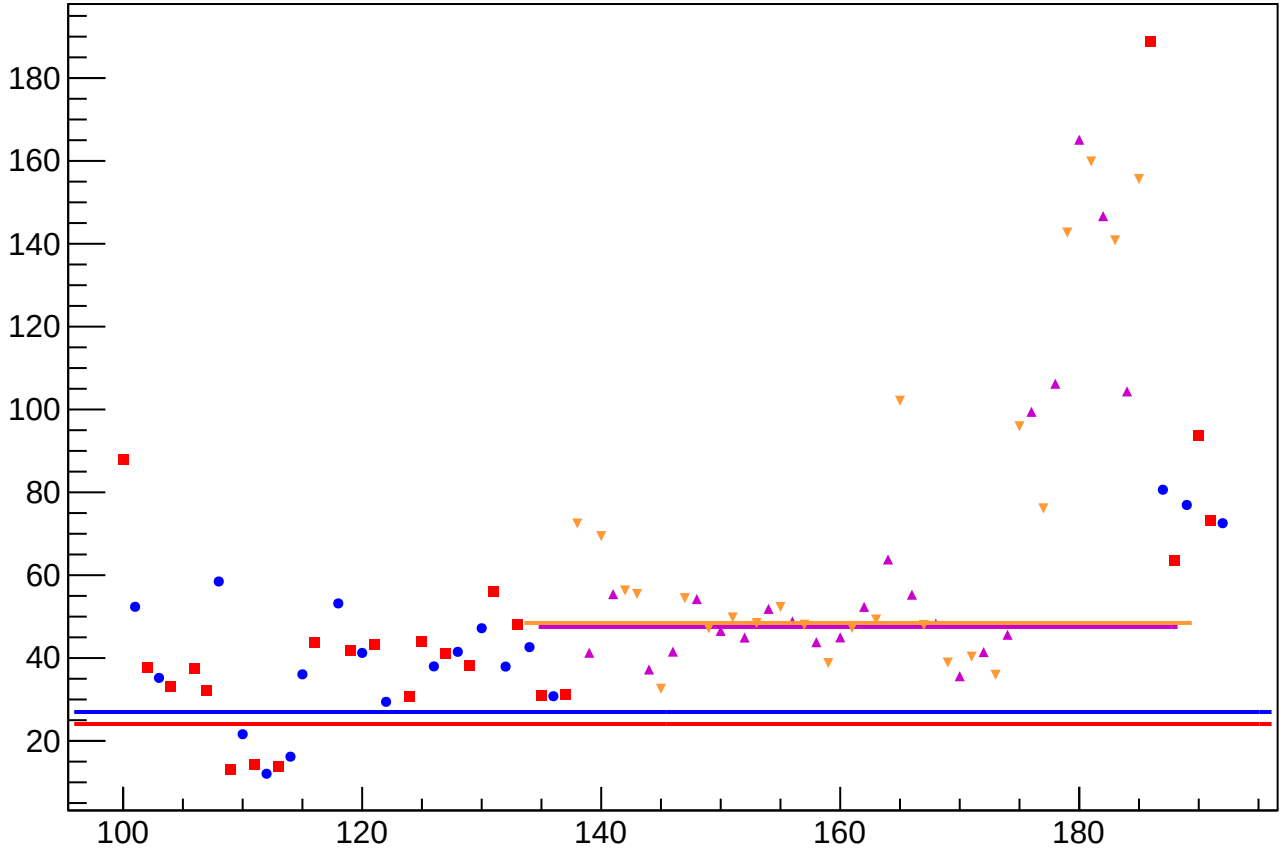
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.7/43

All: 0.006+/-0.006 χ^2/NDF: 94.3/89

- sign 0.003+/-0.008 χ^2/NDF: 45.3/45

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.982+/-0.008 χ^2/NDF: 4254118.8/18

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

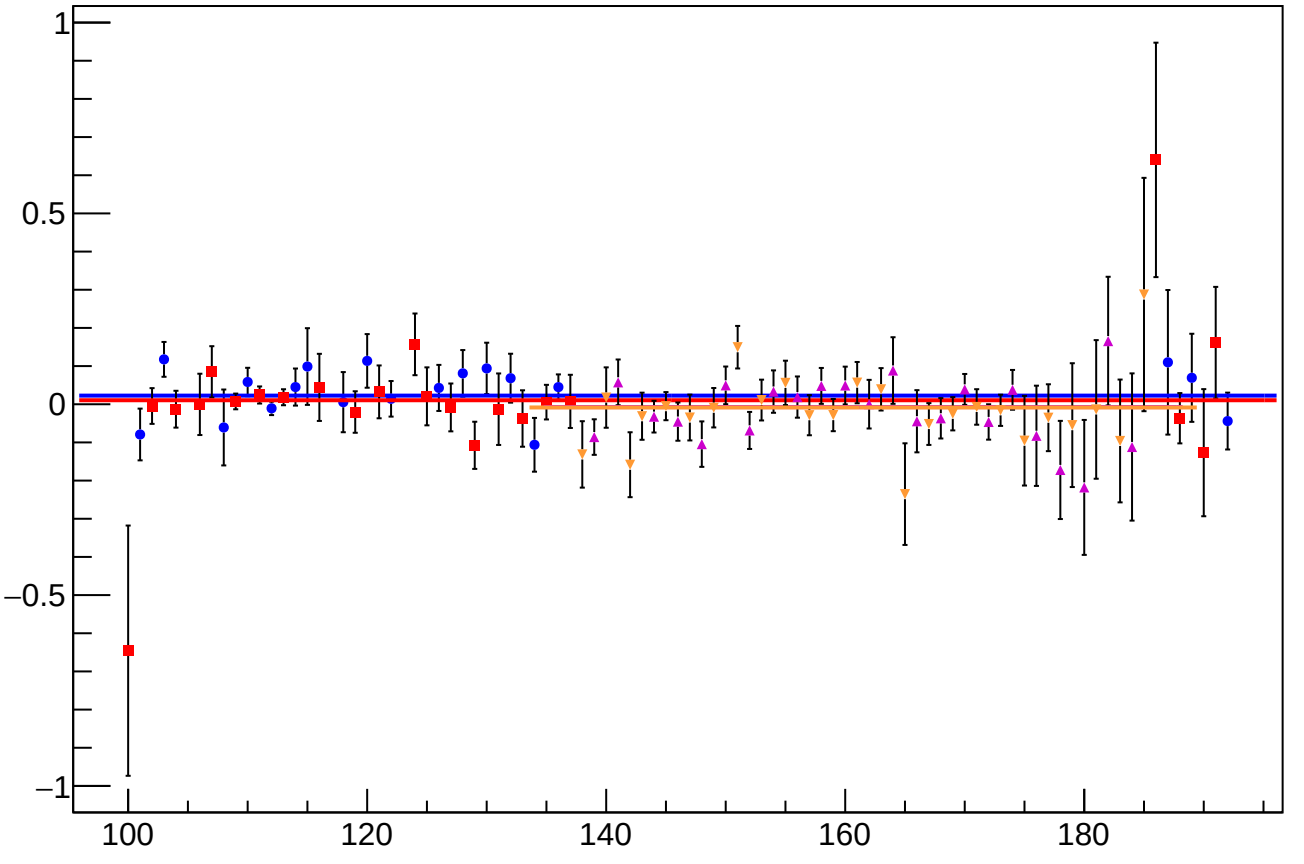
Right Out: 24.076+/-0.007 χ^2/NDF: 5058790.9/22

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 36.672+/-0.006 χ^2/NDF: 12145386.5/43

All: 34.844+/-0.004 χ^2/NDF: 25085386.8/89

- sign 33.251+/-0.005 χ^2/NDF: 12747669.3/45



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/18

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

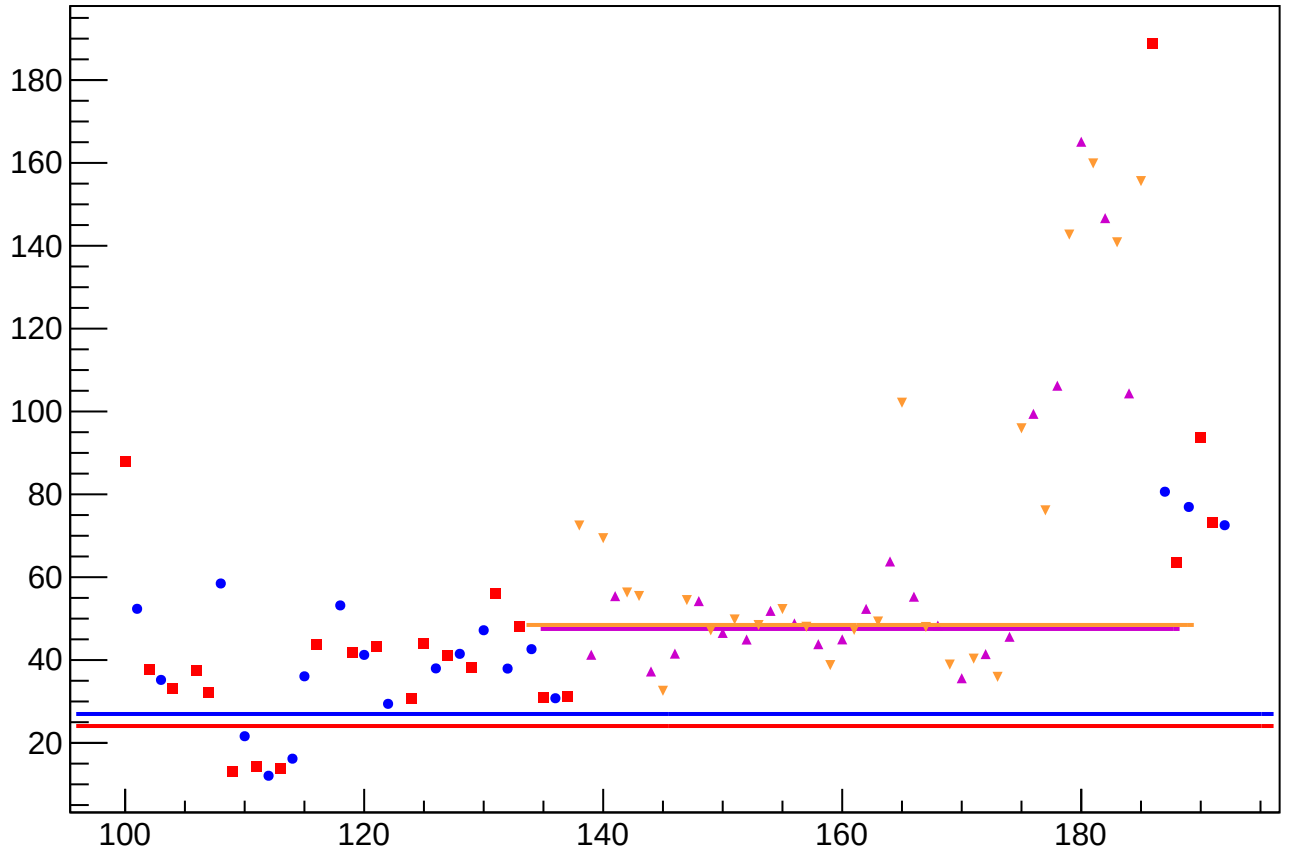
Right Out: 0.011+/-0.010 χ^2/NDF: 20.7/22

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.7/43

All: 0.006+/-0.006 χ^2/NDF: 94.3/89

- sign 0.003+/-0.008 χ^2/NDF: 45.3/45



Right In: 26.982+/-0.008 χ^2/NDF: 4254118.8/18

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

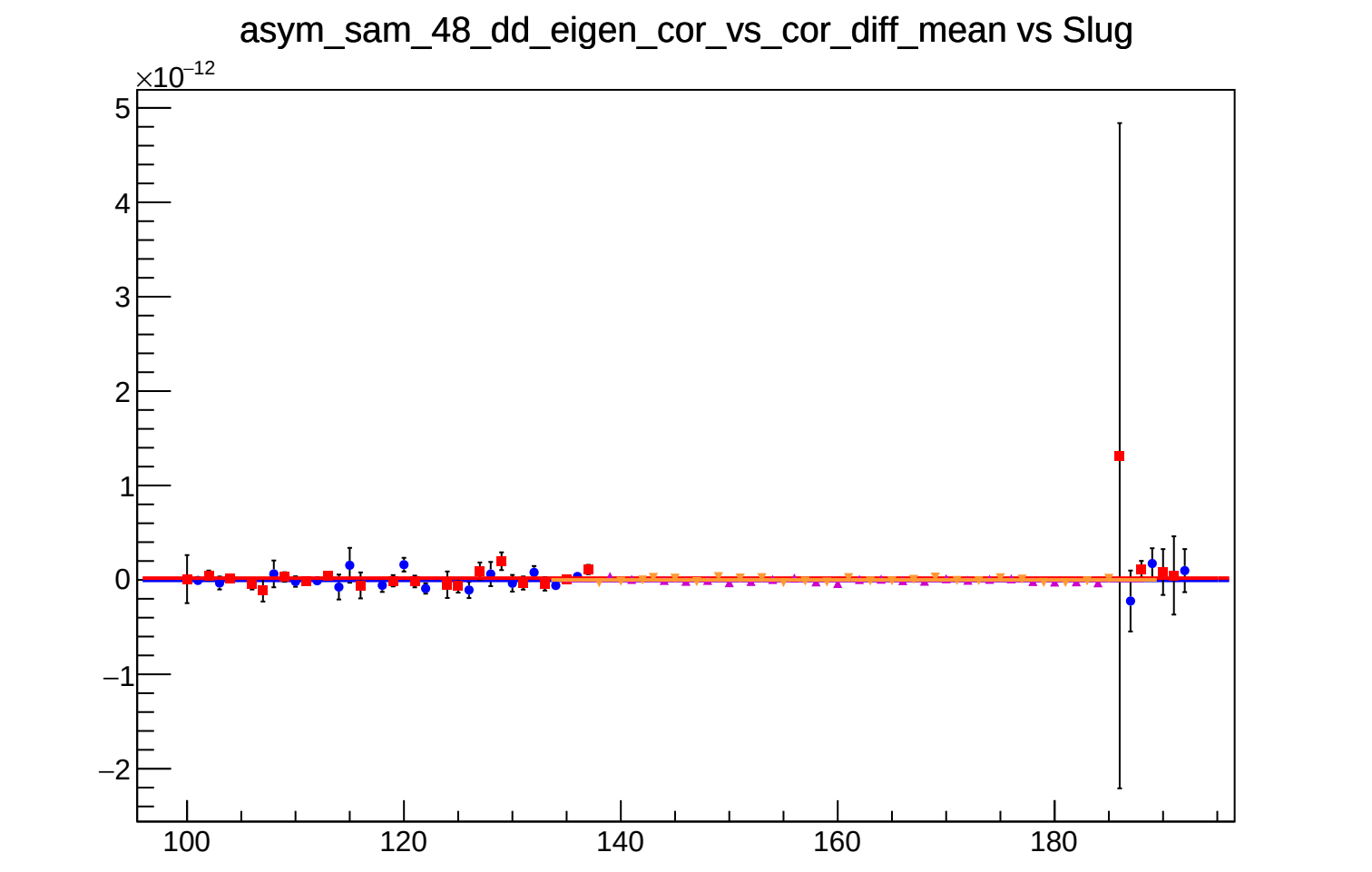
Right Out: 24.076+/-0.007 χ^2/NDF: 5058790.9/22

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 36.672+/-0.006 χ^2/NDF: 12145386.5/43

All: 34.844+/-0.004 χ^2/NDF: 25085386.8/89

- sign 33.251+/-0.005 χ^2/NDF: 12747669.3/45



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

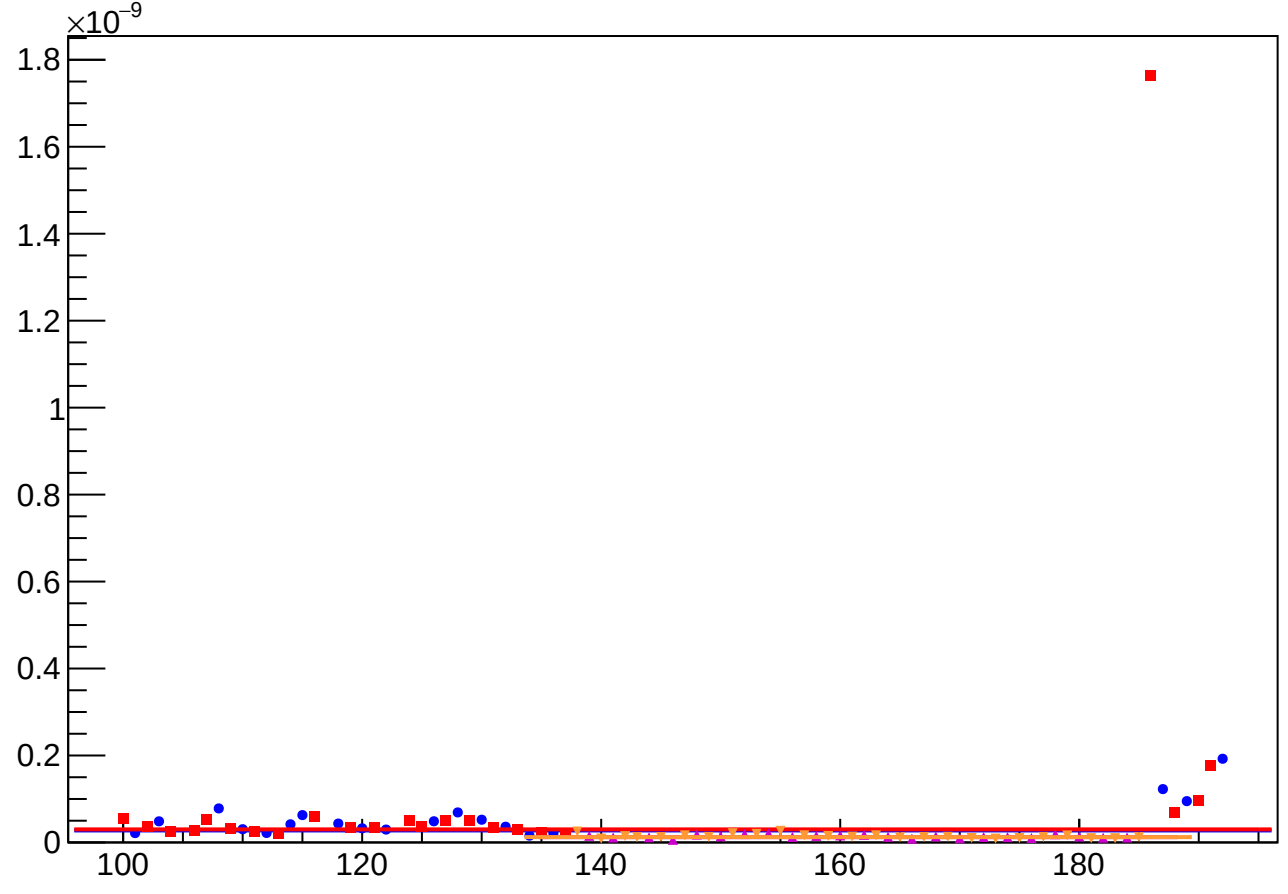
Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/22

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.2/43

All: -0.000+/-0.000 χ^2/NDF: 91.3/89

- sign -0.000+/-0.000 χ^2/NDF: 38.6/45



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

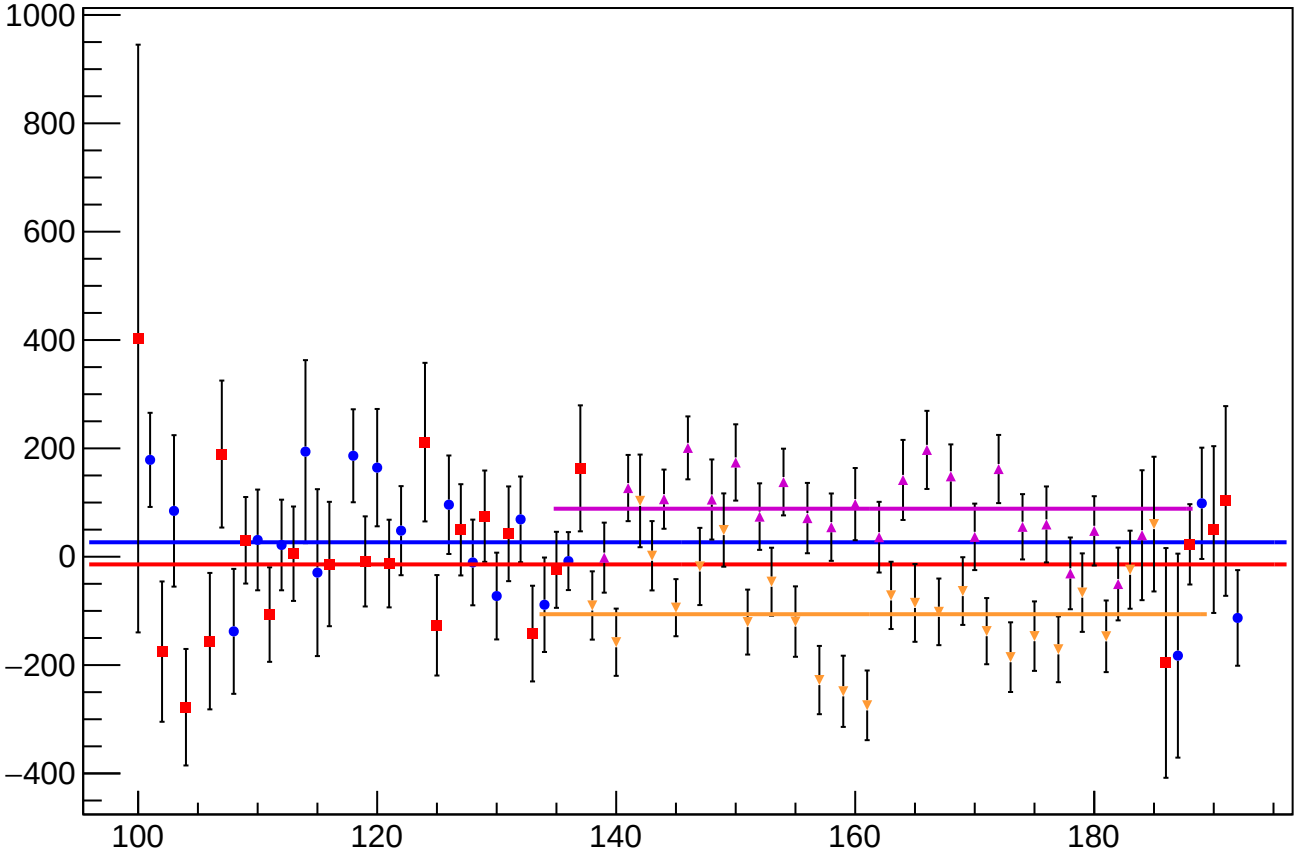
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7926596.0/43

All: 0.000+/-0.000 χ^2/NDF: 15480283.3/89

- sign 0.000+/-0.000 χ^2/NDF: 7552590.0/45

reg_asym_sam_13_57_dd_mean vs Slug



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

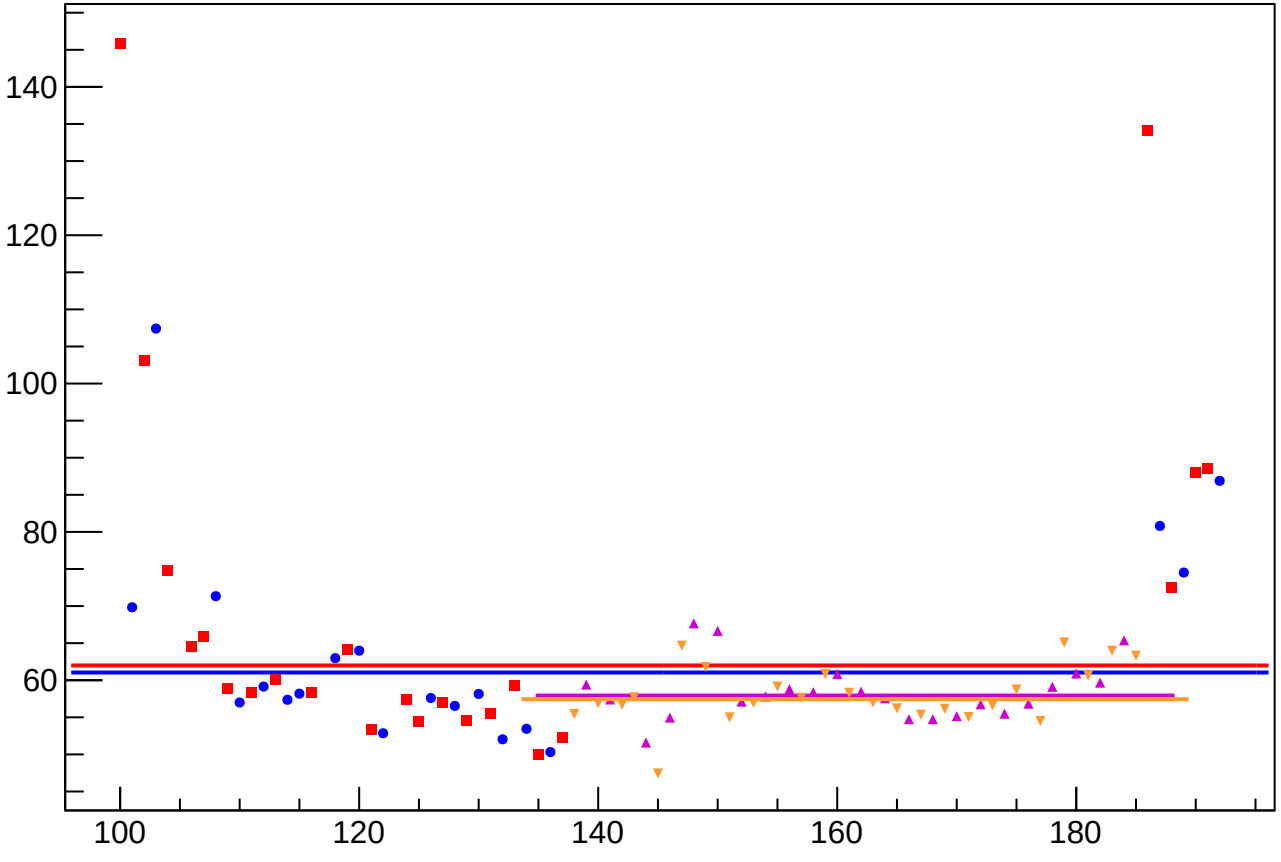
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -68.656+/-11.091 χ^2/NDF: 90.3/43

All: -6.893+/-7.935 χ^2/NDF: 220.0/89

- sign 57.867+/-11.357 χ^2/NDF: 66.2/45

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 61.045+/-0.015 χ^2/NDF: 646606.7/18

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

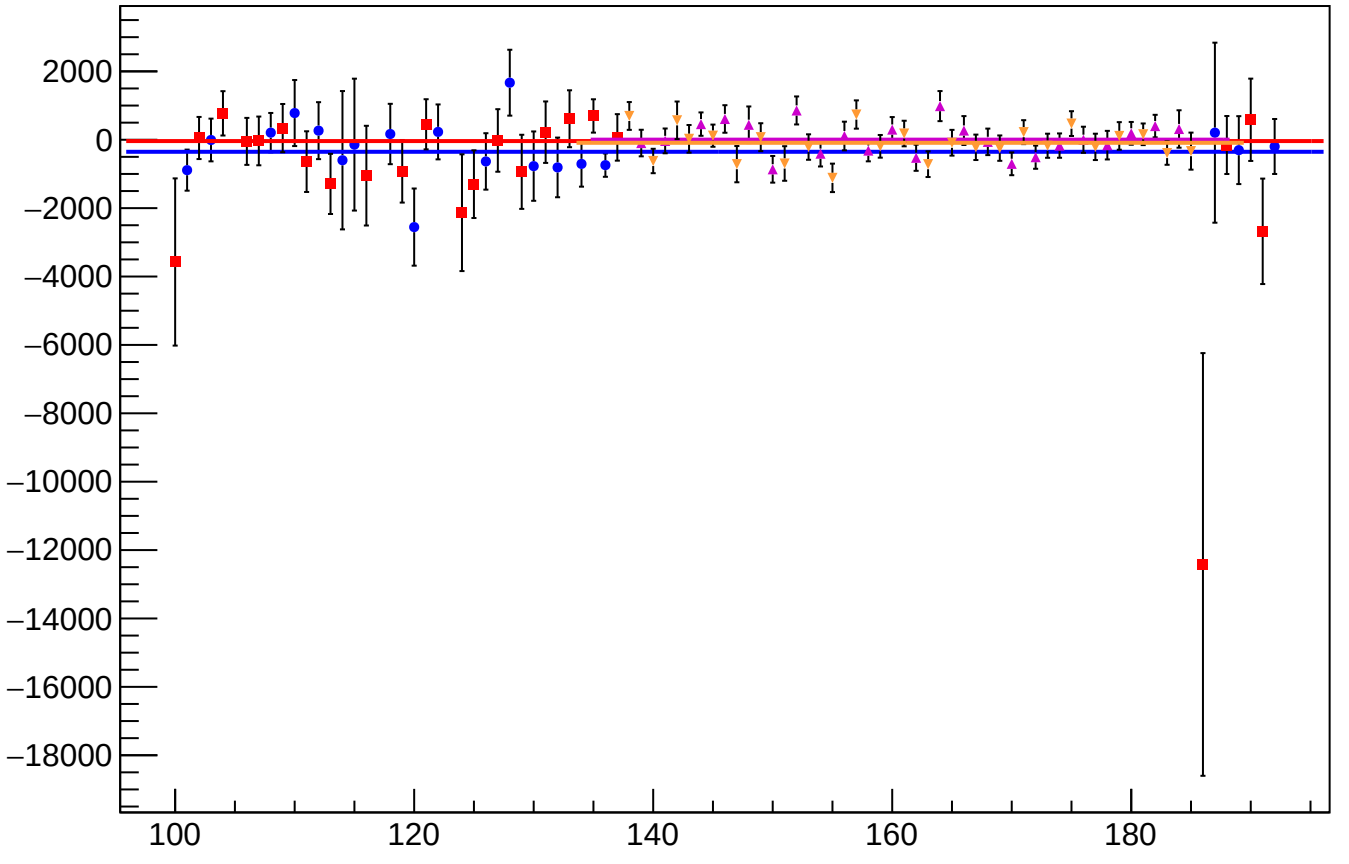
Right Out: 61.990+/-0.015 χ^2/NDF: 810969.6/22

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.457+/-0.008 χ^2/NDF: 863948.2/43

All: 58.794+/-0.006 χ^2/NDF: 1868124.7/89

- sign 59.147+/-0.008 χ^2/NDF: 1000400.3/45



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

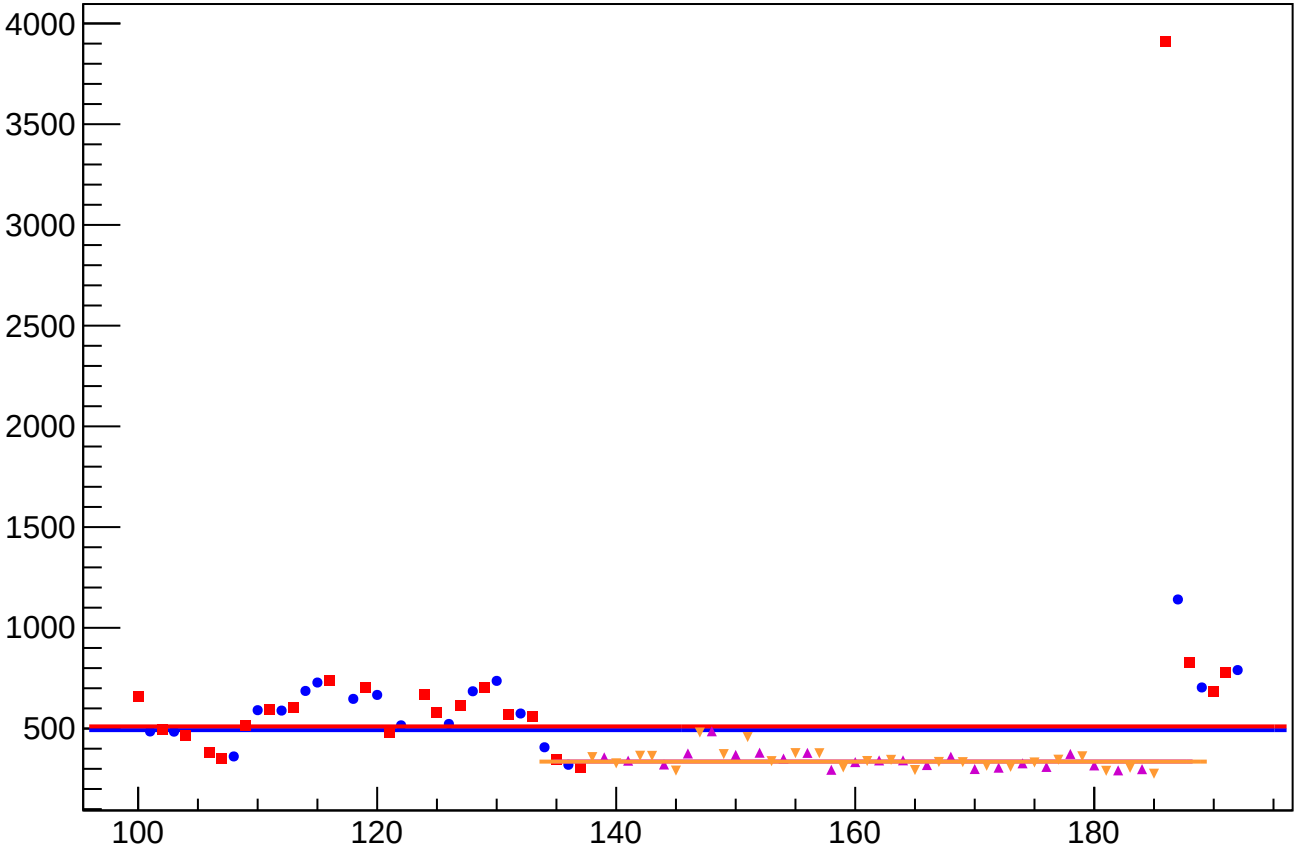
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -132.495+/-70.363 χ^2/NDF: 47.2/43

All: -69.888+/-50.393 χ^2/NDF: 104.8/89

- sign -3.962+/-72.204 χ^2/NDF: 56.0/45

asym_sam_13_57_dd_reg_correction_rms vs Slug



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

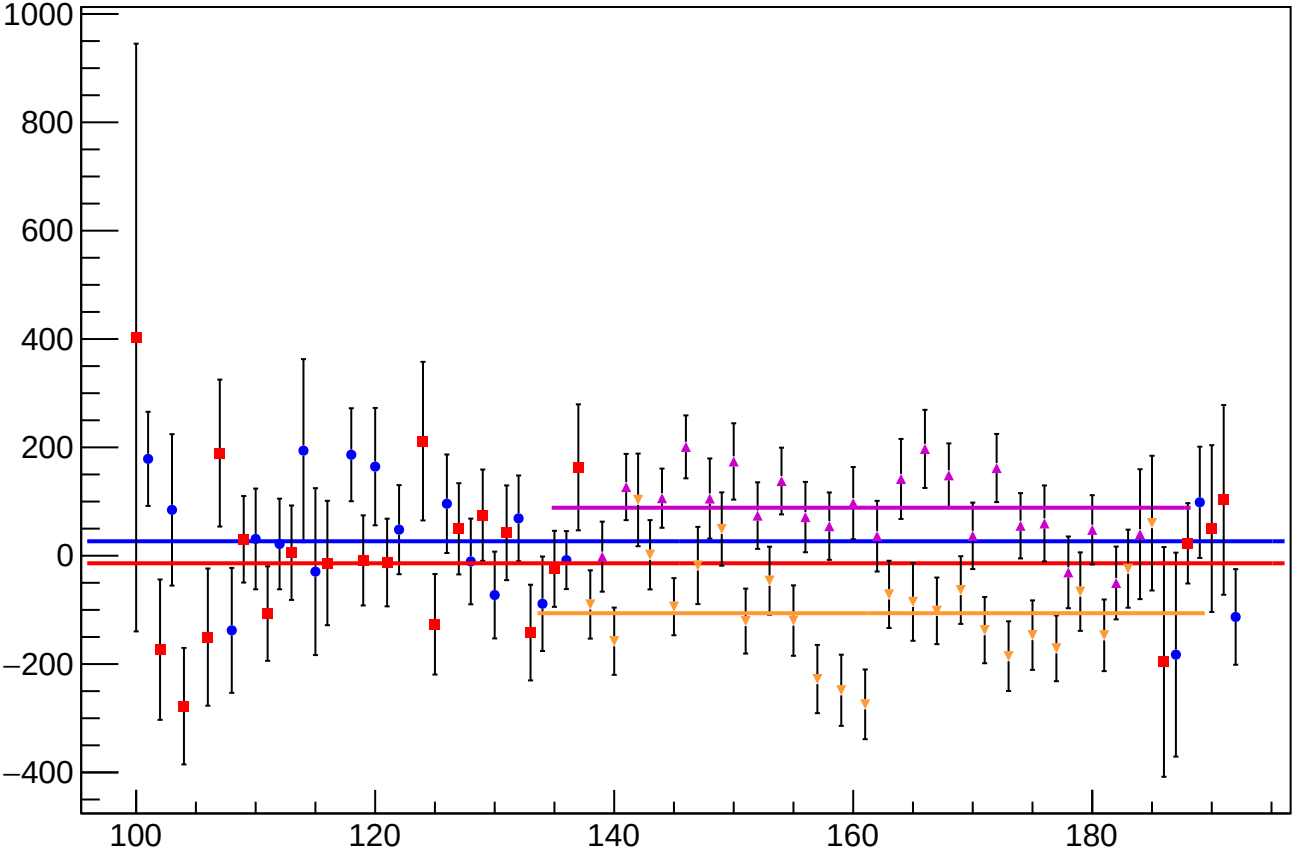
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 361.709+/-0.050 χ^2/NDF: 3450651.4/43

All: 363.676+/-0.036 χ^2/NDF: 7404824.7/89

- sign 365.746+/-0.051 χ^2/NDF: 3950966.8/45

cor_asym_sam_13_57_dd_mean vs Slug



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

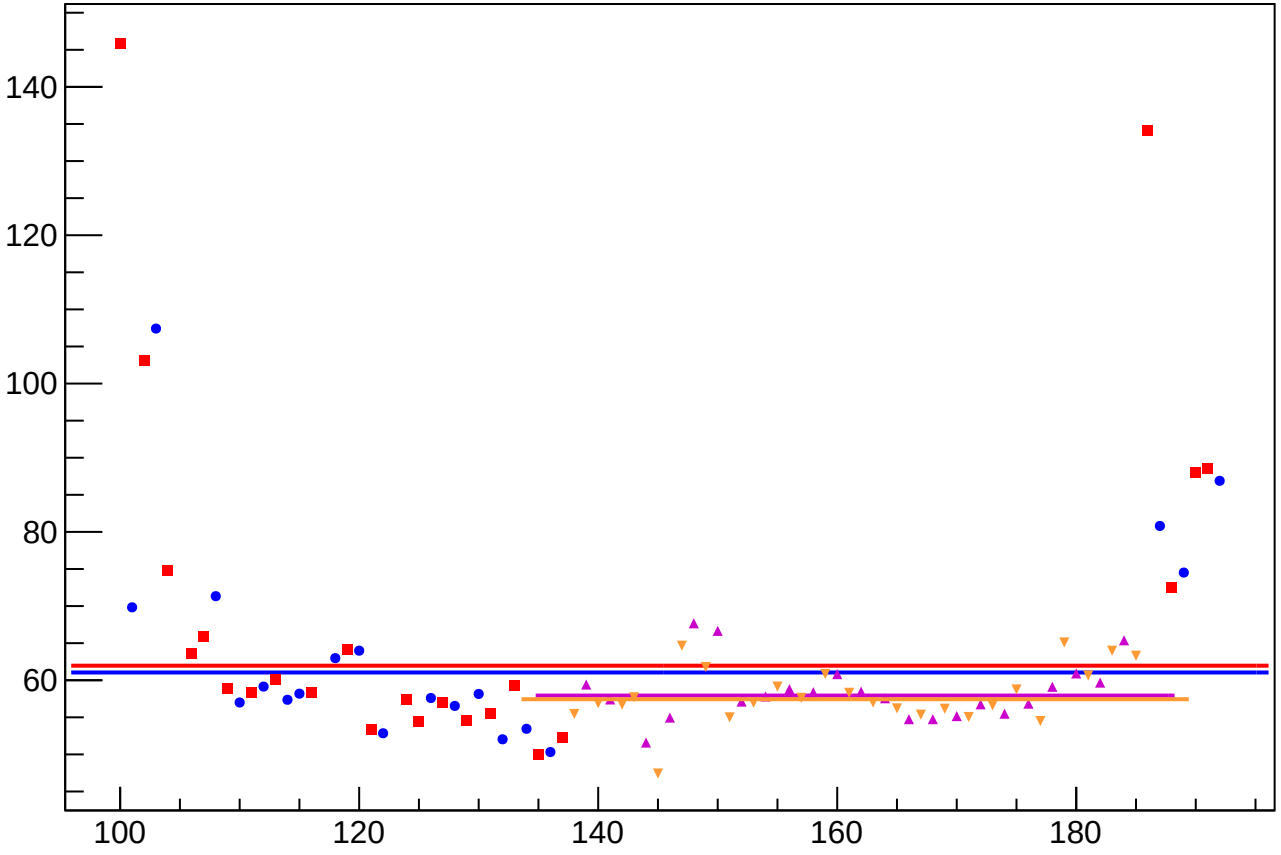
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -68.656+/-11.091 χ^2/NDF: 90.3/43

All: -6.856+/-7.935 χ^2/NDF: 219.9/89

- sign 57.949+/-11.357 χ^2/NDF: 66.0/45

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 61.045+/-0.015 χ^2/NDF: 646608.7/18

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

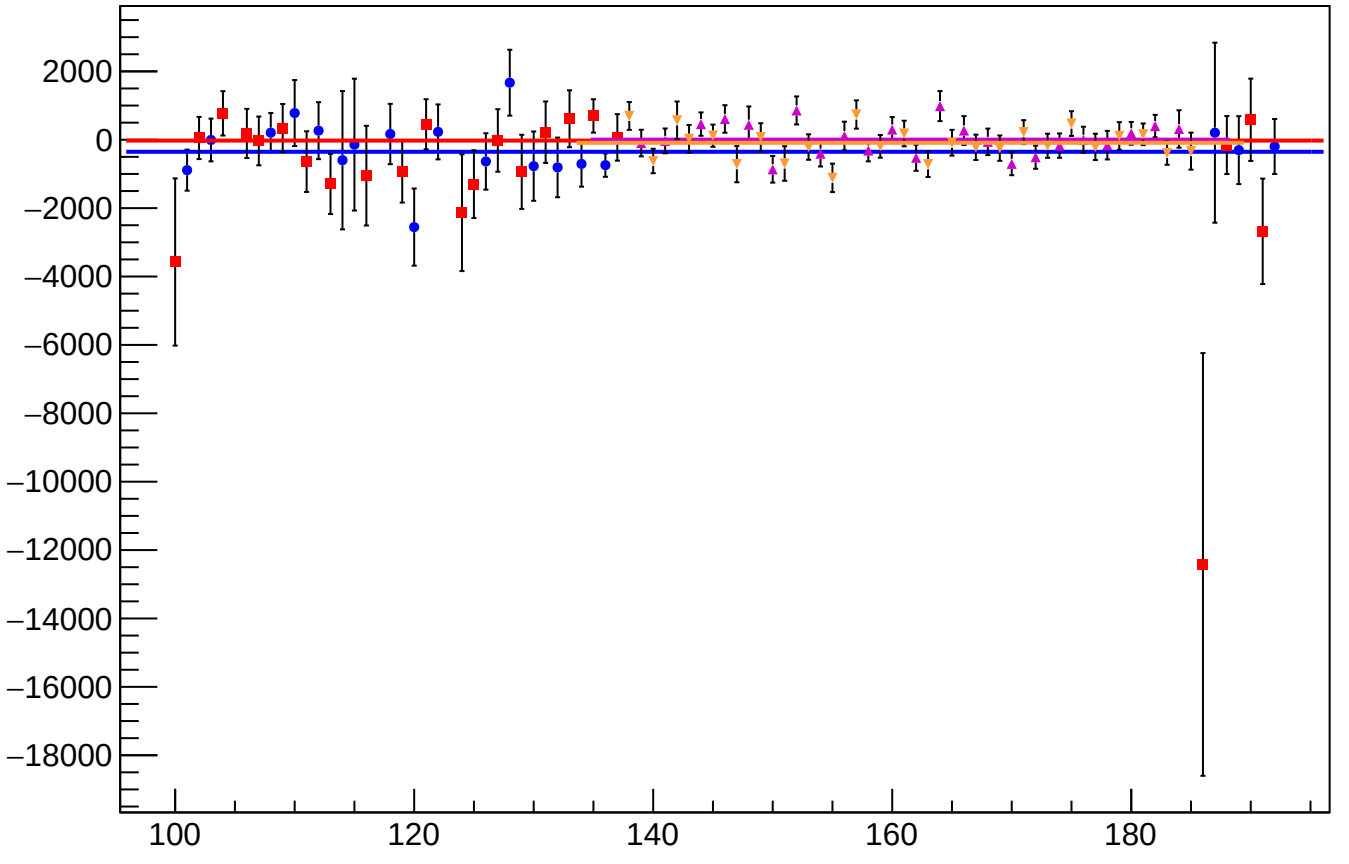
Right Out: 61.963+/-0.015 χ^2/NDF: 810663.1/22

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

\+ sign 58.457+/-0.008 χ^2/NDF: 863950.3/43

All: 58.789+/-0.006 χ^2/NDF: 1867003.0/89

\- sign 59.138+/-0.008 χ^2/NDF: 999368.1/45



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

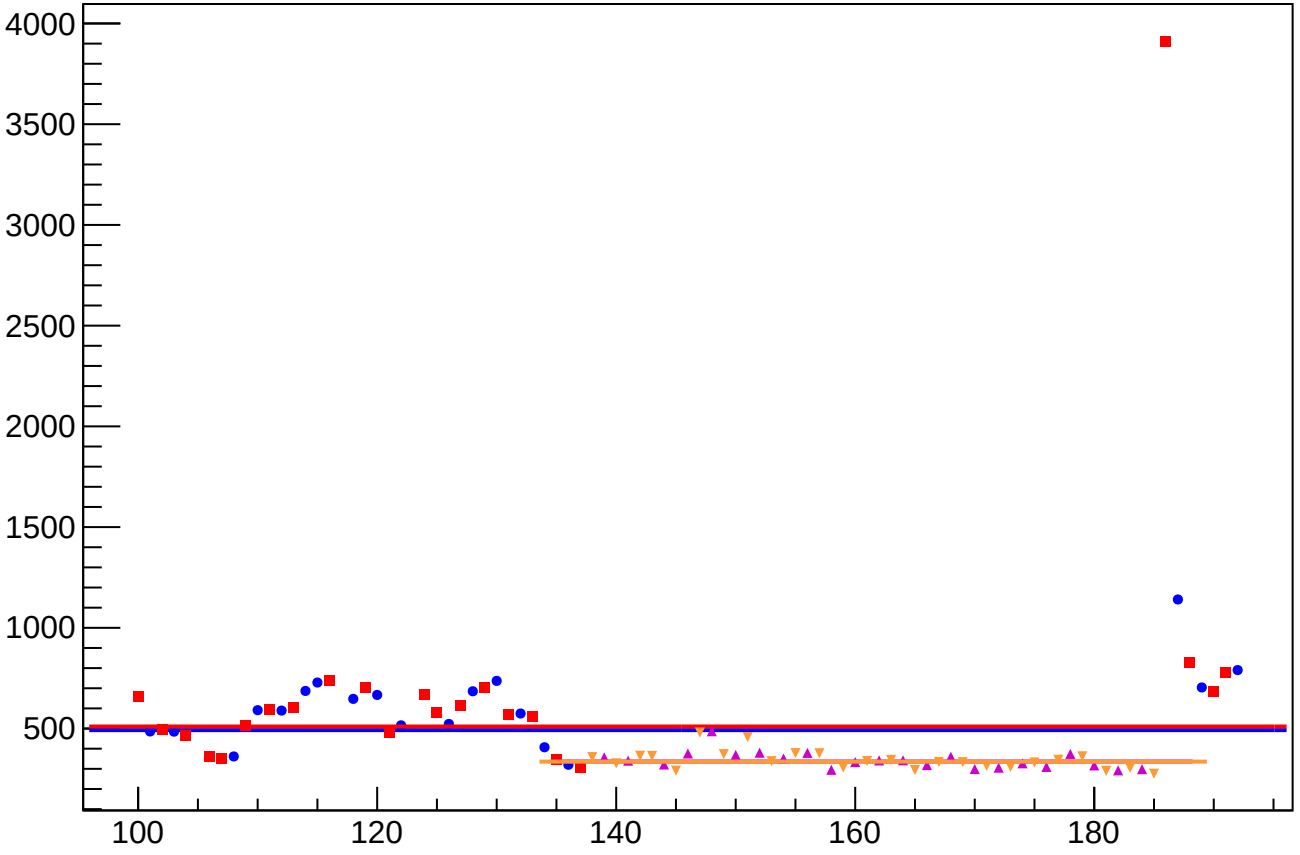
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -132.491+/-70.364 χ^2/NDF: 47.2/43

All: -68.749+/-50.405 χ^2/NDF: 104.9/89

- sign -1.564+/-72.239 χ^2/NDF: 56.0/45

asym_sam_13_57_dd_cor_correction_rms vs Slug



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

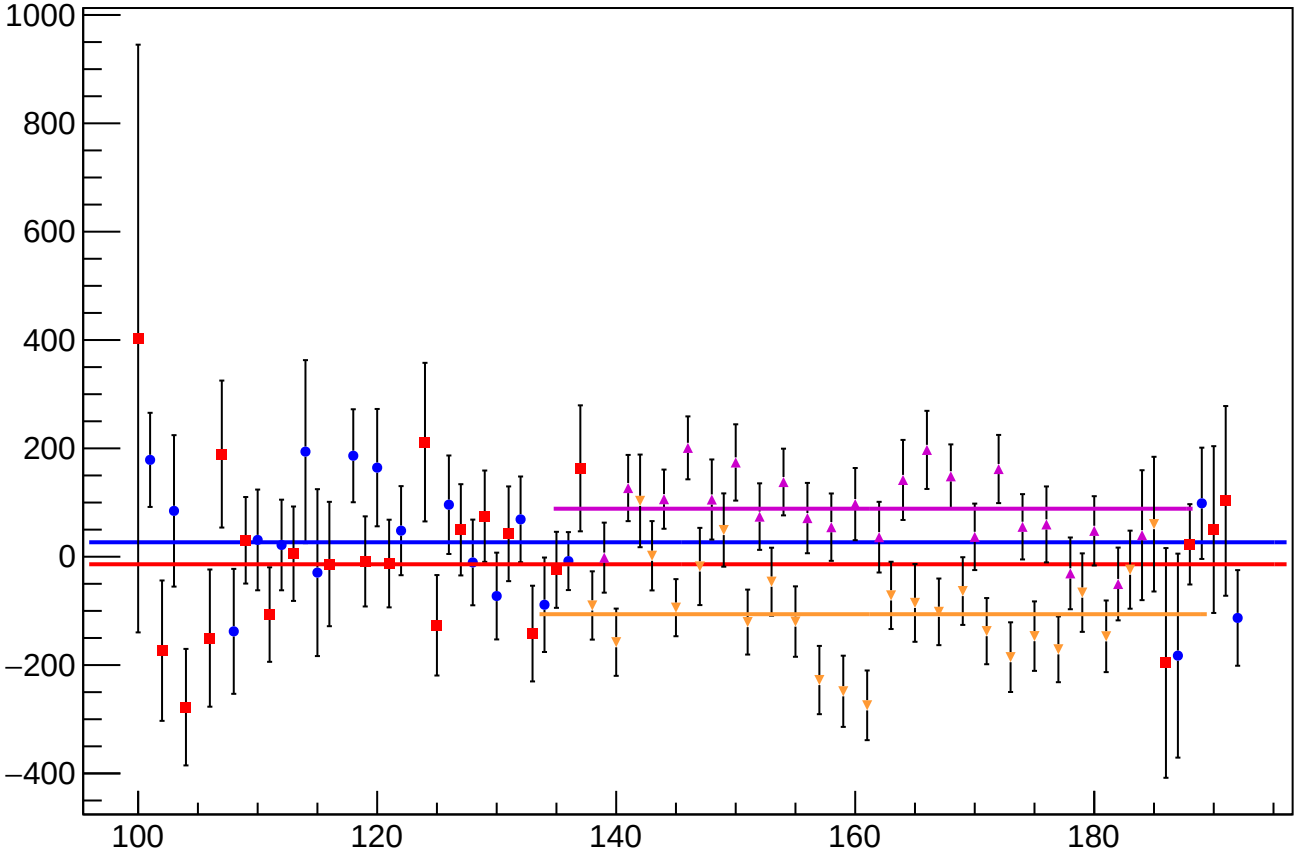
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 361.710+/-0.050 χ^2/NDF: 3450680.6/43

All: 363.566+/-0.036 χ^2/NDF: 7403991.6/89

- sign 365.522+/-0.051 χ^2/NDF: 3950451.9/45

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 26.680+/-20.886 χ^2/NDF: 20.6/18

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

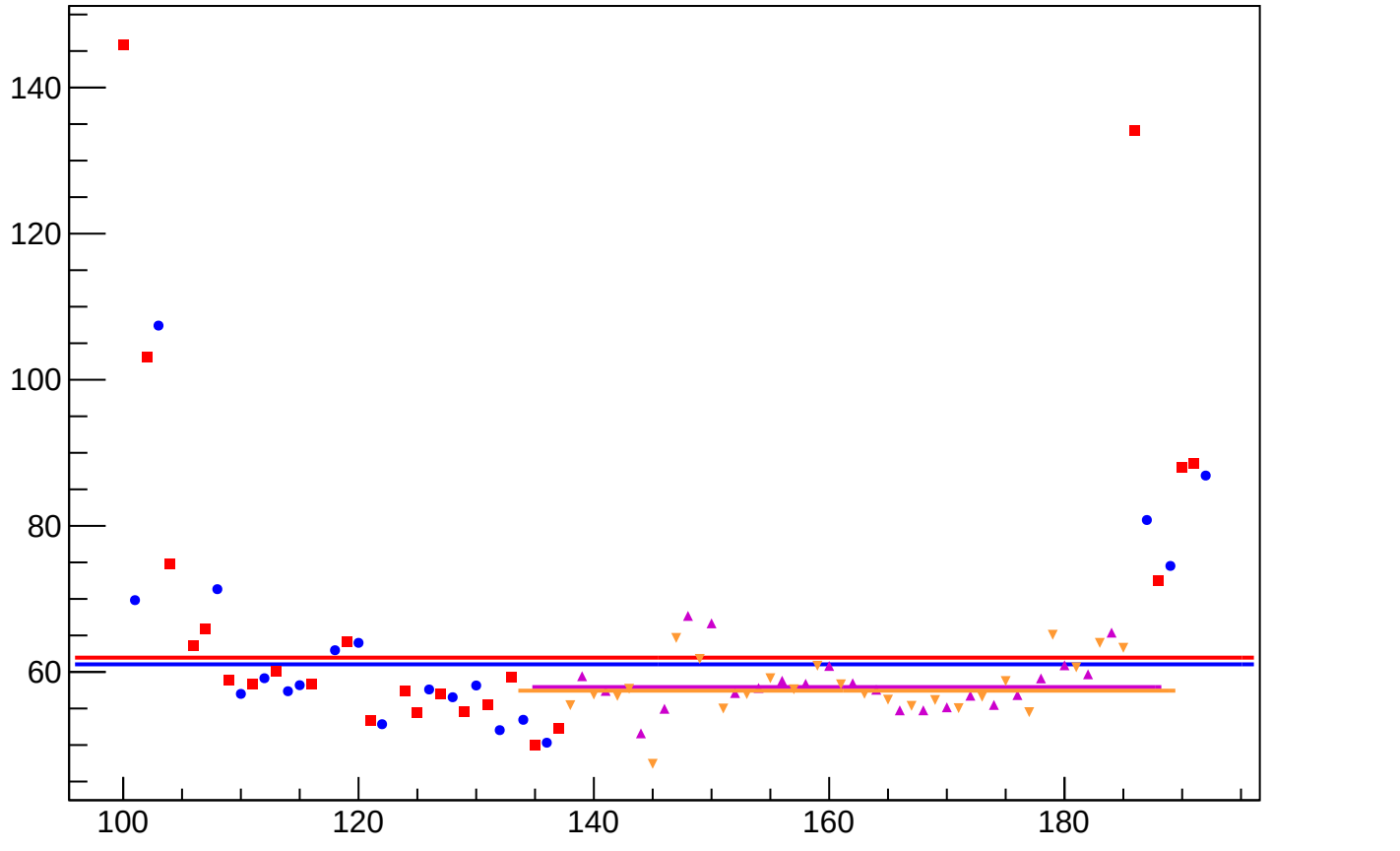
Right Out: -13.926+/-20.767 χ^2/NDF: 25.0/22

Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -68.656+/-11.091 χ^2/NDF: 90.3/43

All: -6.856+/-7.935 χ^2/NDF: 219.9/89

- sign 57.949+/-11.357 χ^2/NDF: 66.0/45



Right In: 61.045+/-0.015 χ^2/NDF: 646608.7/18

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

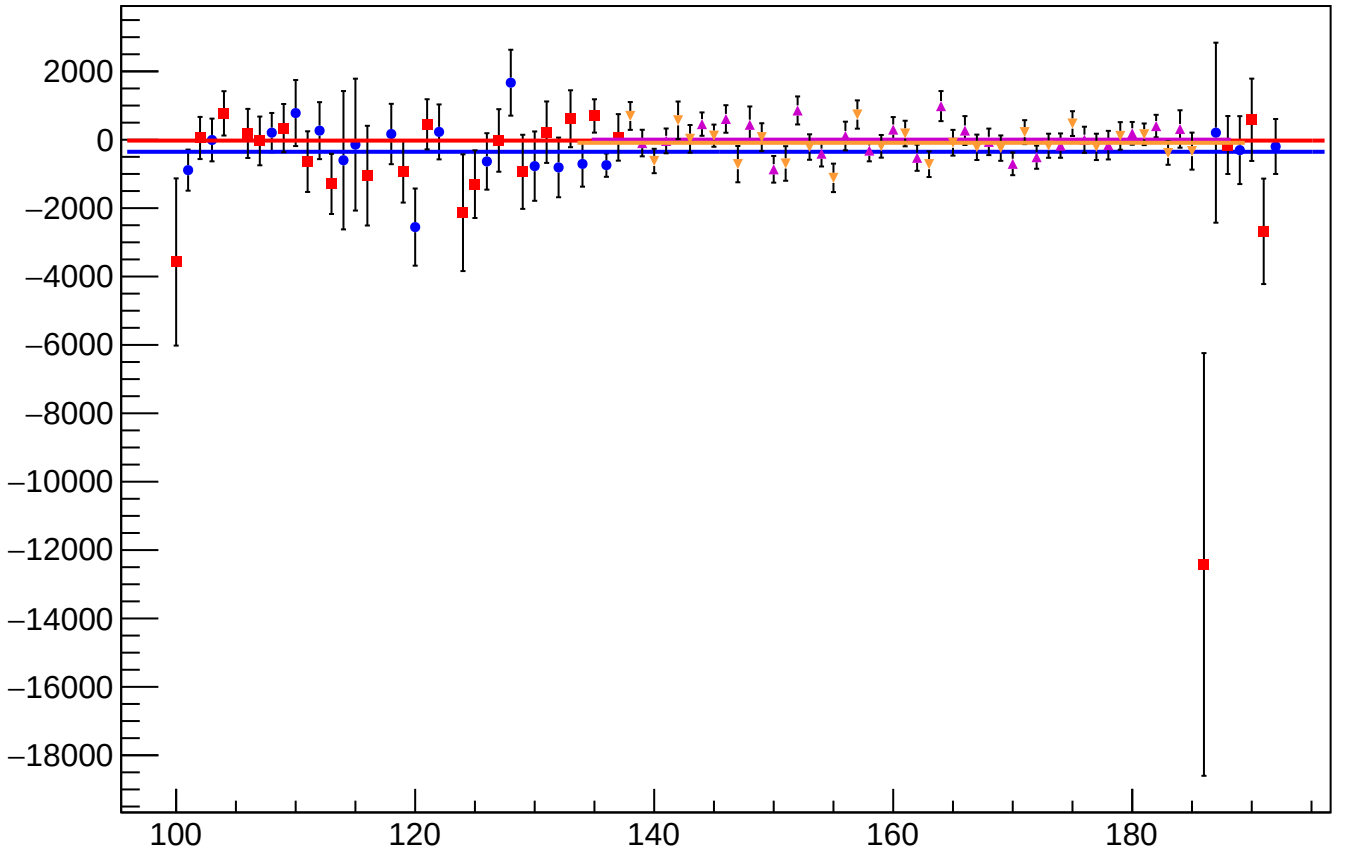
Right Out: 61.963+/-0.015 χ^2/NDF: 810663.1/22

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.457+/-0.008 χ^2/NDF: 863950.3/43

All: 58.789+/-0.006 χ^2/NDF: 1867003.0/89

- sign 59.138+/-0.008 χ^2/NDF: 999368.1/45



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

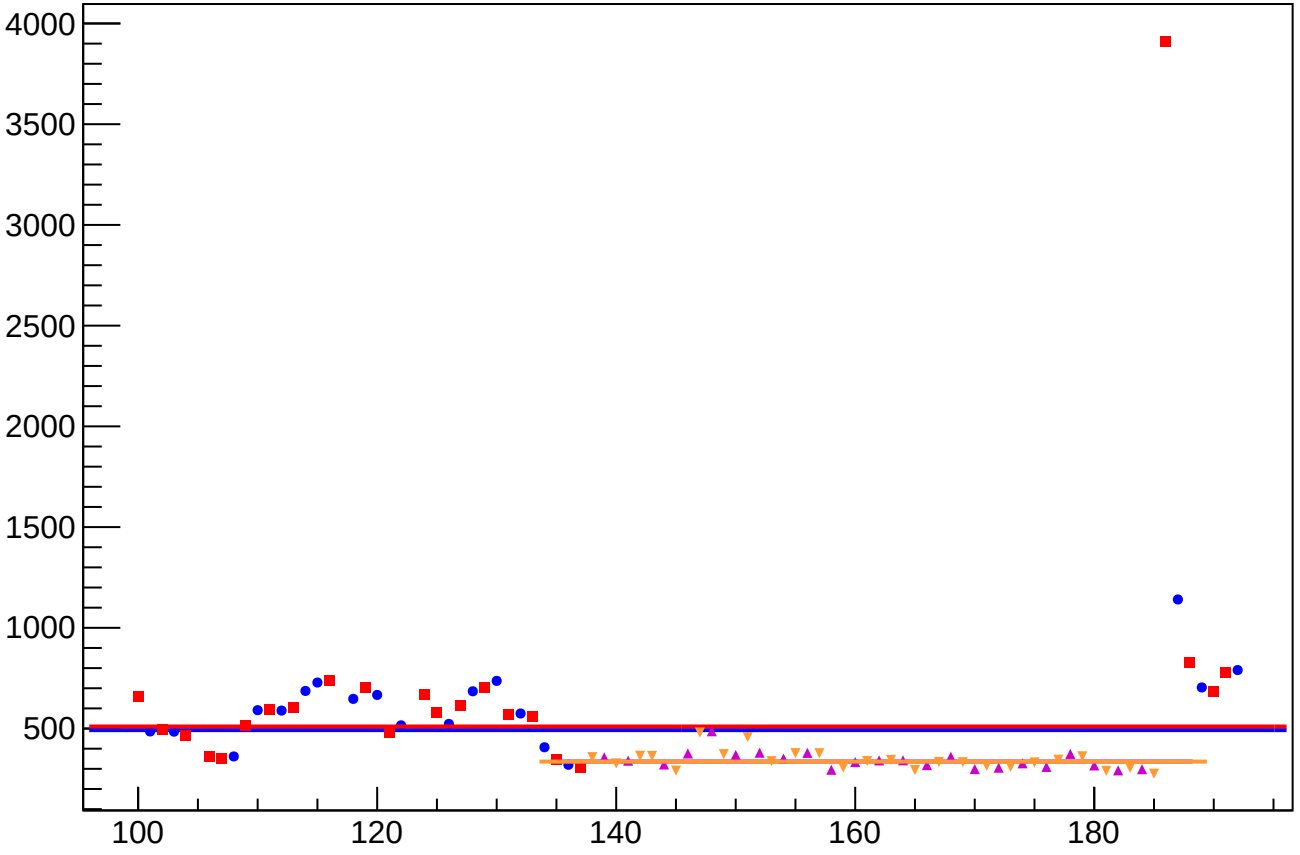
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -132.491+/-70.364 χ^2/NDF: 47.2/43

All: -68.749+/-50.405 χ^2/NDF: 104.9/89

- sign -1.564+/-72.239 χ^2/NDF: 56.0/45

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



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

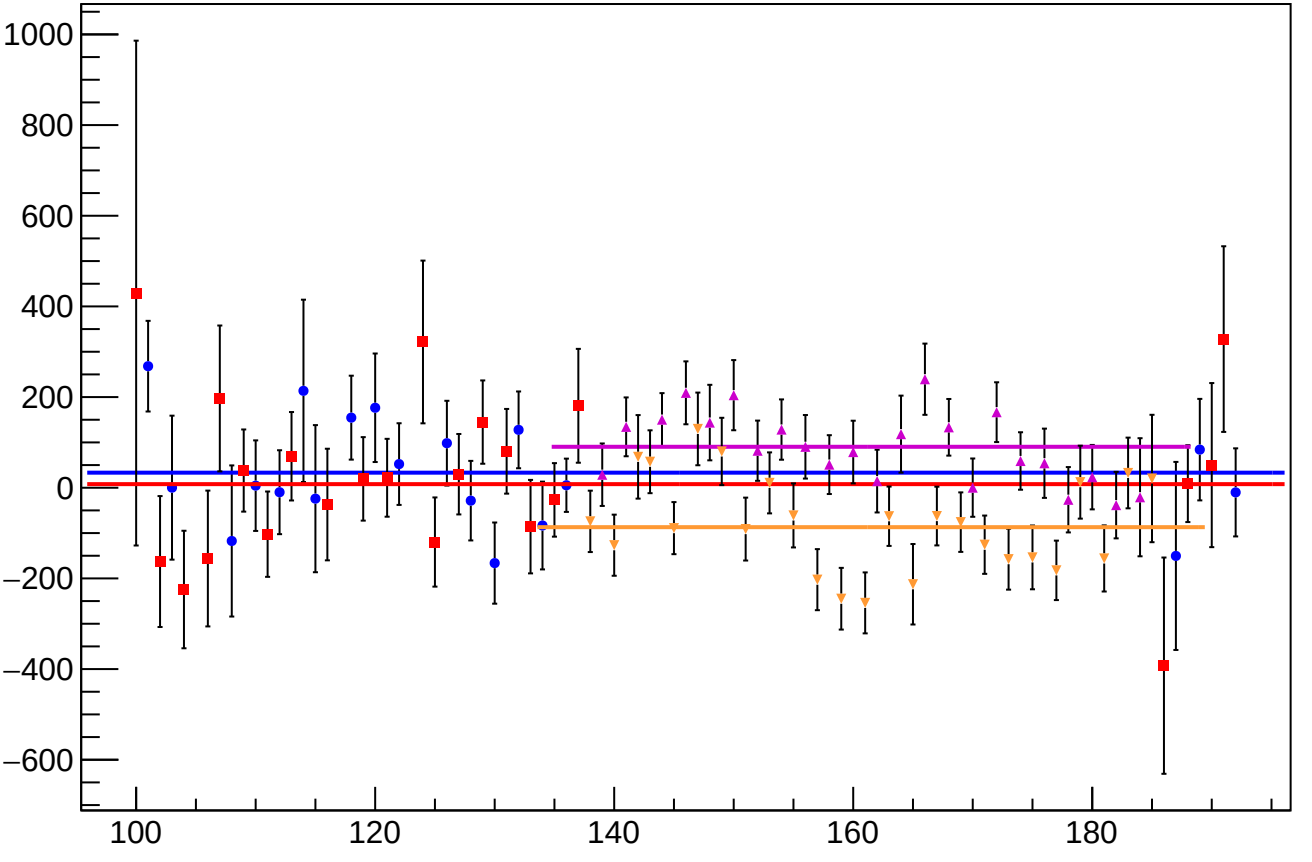
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 361.710+/-0.050 χ^2/NDF: 3450680.6/43

All: 363.566+/-0.036 χ^2/NDF: 7403991.6/89

- sign 365.522+/-0.051 χ^2/NDF: 3950451.9/45

dit_asym_sam_13_57_dd_mean vs Slug



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

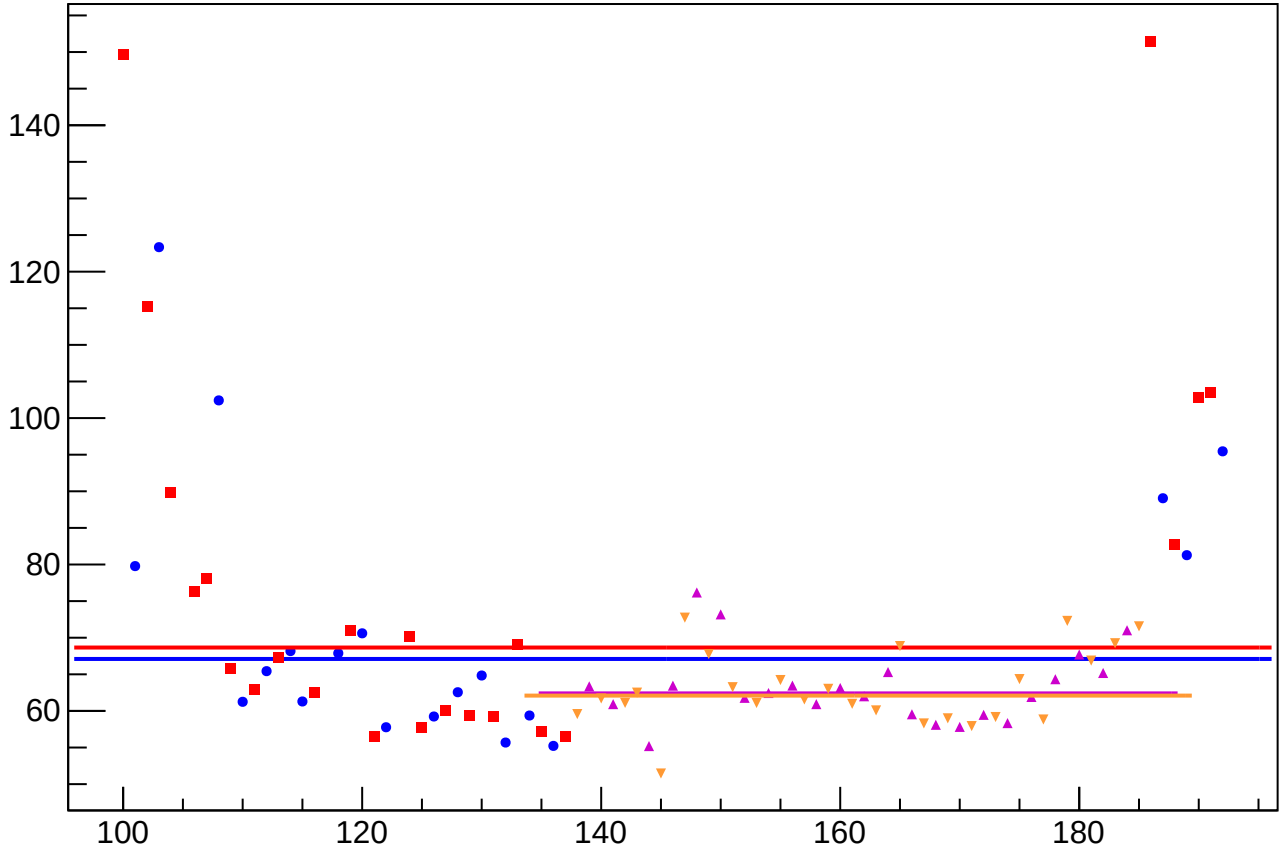
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -54.010+/-12.077 χ^2/NDF: 89.4/43

All: 4.876+/-8.645 χ^2/NDF: 197.9/89

- sign 66.764+/-12.381 χ^2/NDF: 59.8/45

dit_asym_sam_13_57_dd_rms vs Slug



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

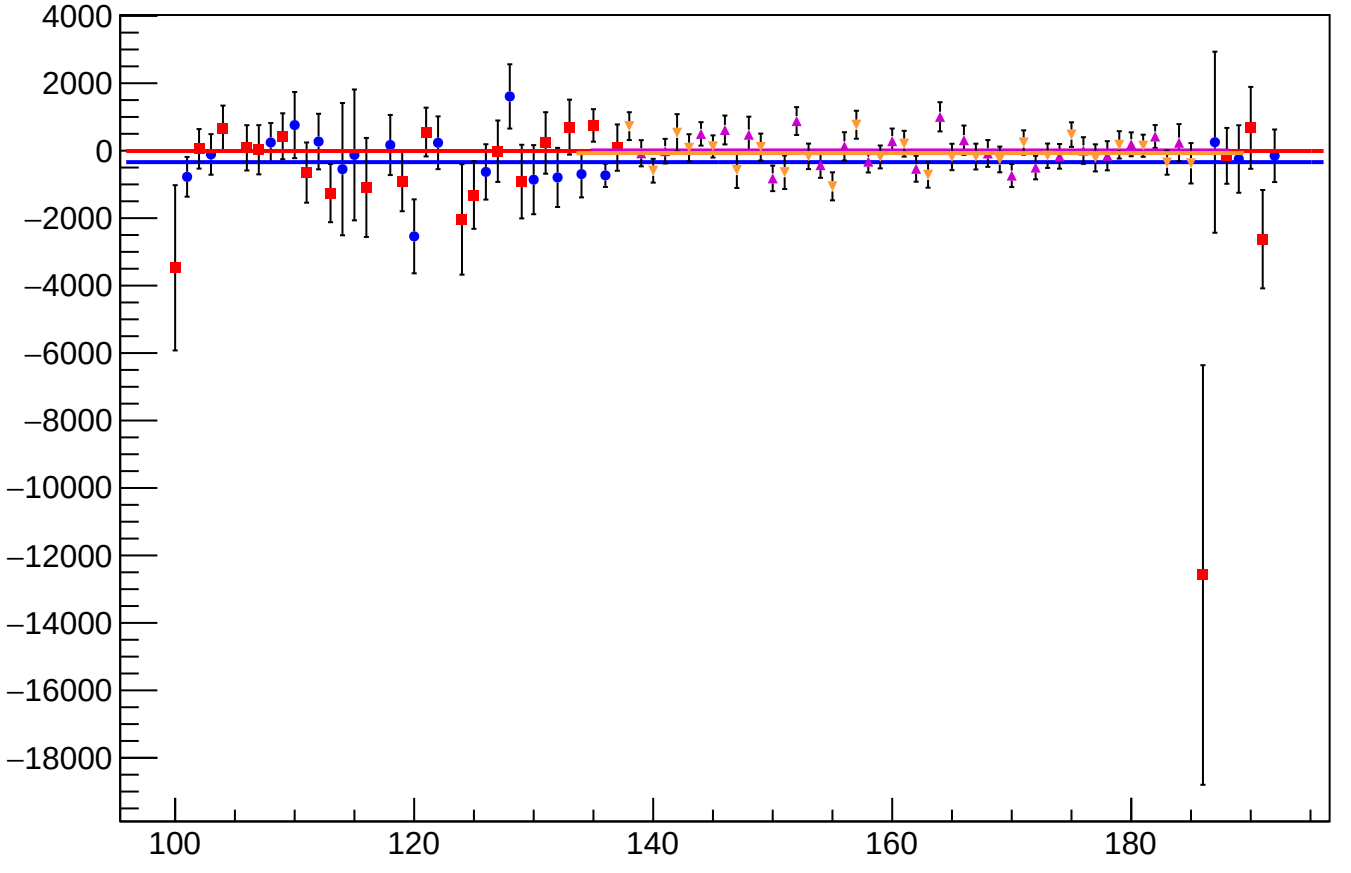
Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 63.465+/-0.009 χ^2/NDF: 1084525.0/43

All: 63.818+/-0.006 χ^2/NDF: 2322787.6/89

- sign 64.189+/-0.009 χ^2/NDF: 1234756.3/45

asym_sam_13_57_dd_dit_correction_mean vs Slug



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

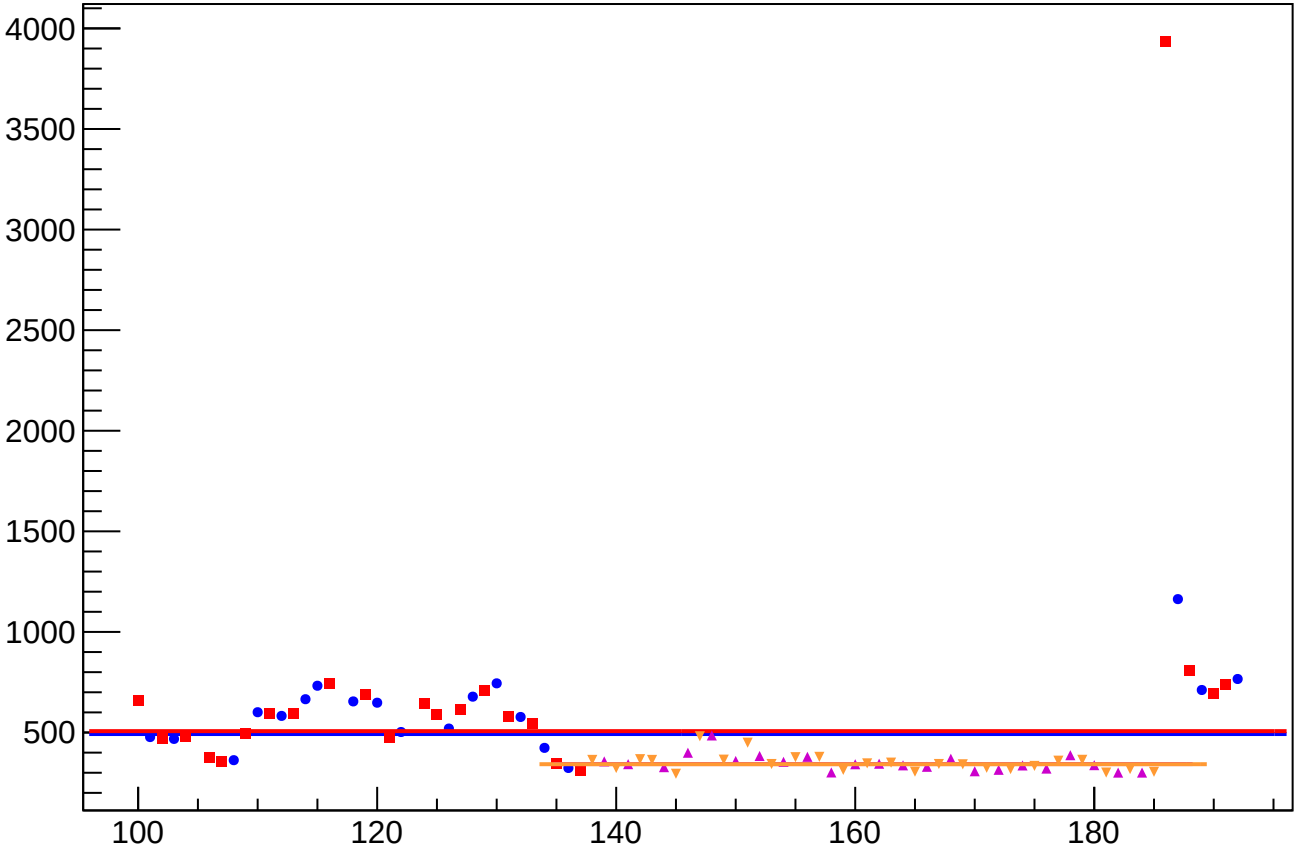
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -117.192+/-71.387 χ^2/NDF: 45.5/43

All: -58.441+/-51.130 χ^2/NDF: 104.0/89

- sign 3.445+/-73.266 χ^2/NDF: 57.1/45

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 492.470+/-0.122 χ^2/NDF: 1490988.1/18

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 506.820+/-0.123 χ^2/NDF: 1864018.2/22

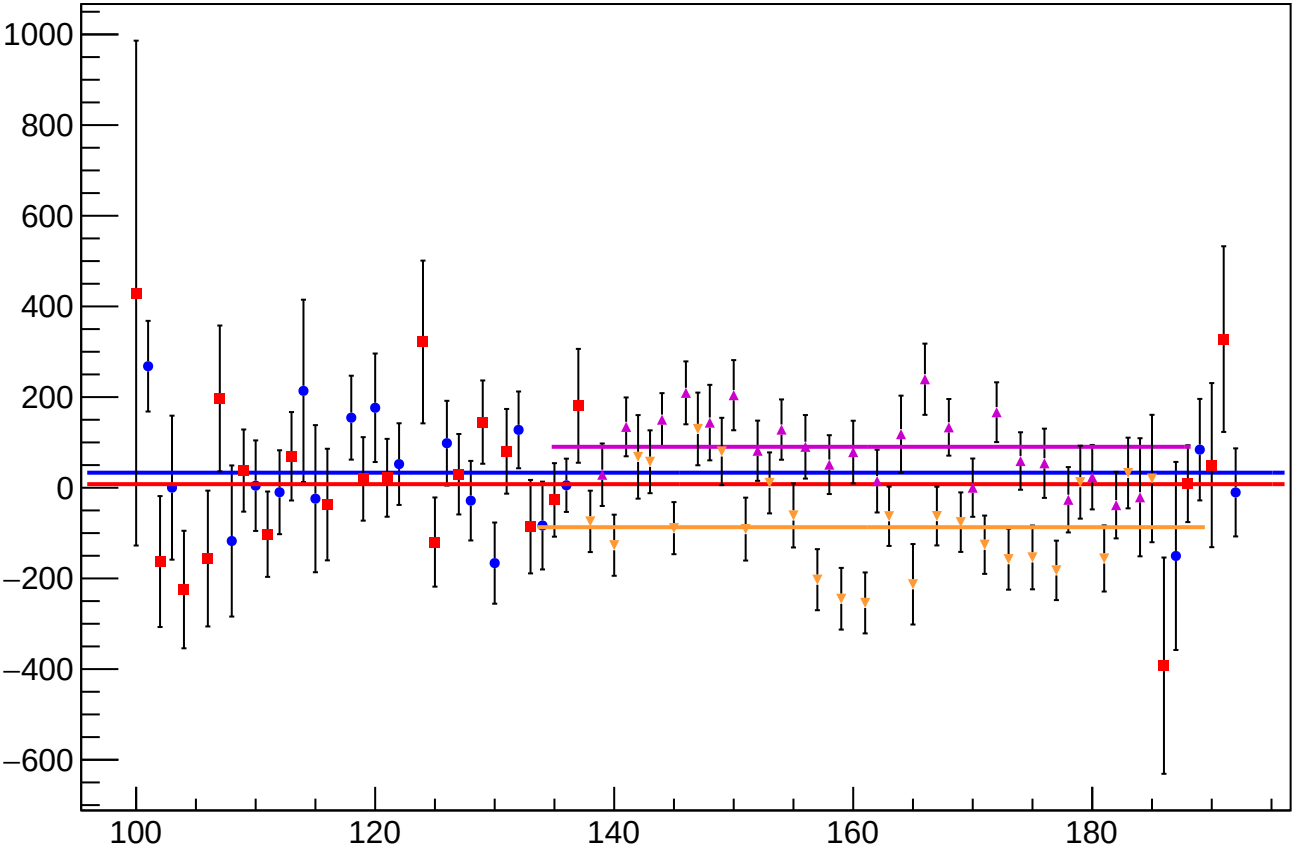
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 368.131+/-0.050 χ^2/NDF: 3175828.1/43

All: 370.109+/-0.036 χ^2/NDF: 6868029.5/89

- sign 372.193+/-0.052 χ^2/NDF: 3689047.7/45

eigen_dit_asym_sam_13_57_dd_mean vs Slug



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

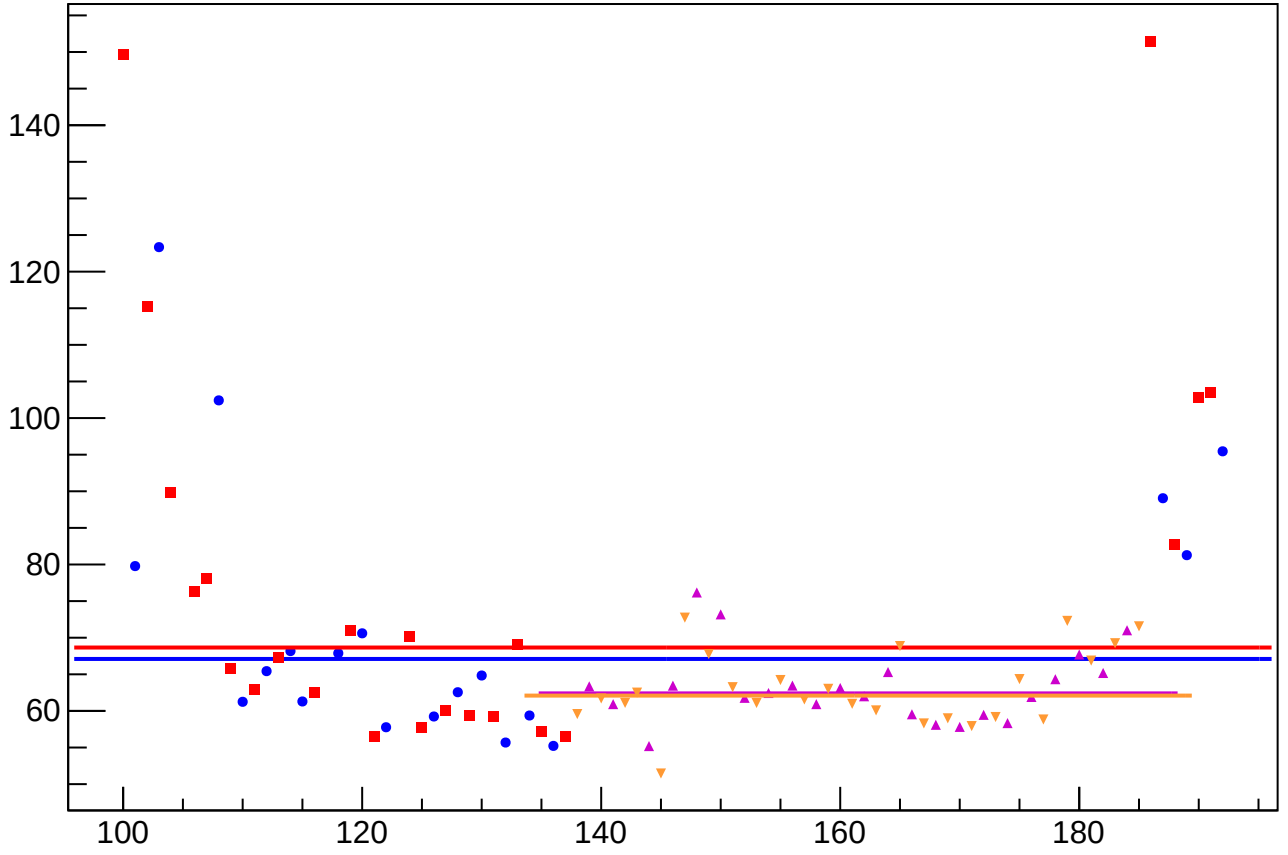
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -54.009+/-12.077 χ^2/NDF: 89.4/43

All: 4.876+/-8.645 χ^2/NDF: 197.9/89

- sign 66.763+/-12.381 χ^2/NDF: 59.8/45

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 67.099+/-0.016 χ^2/NDF: 782849.7/18

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

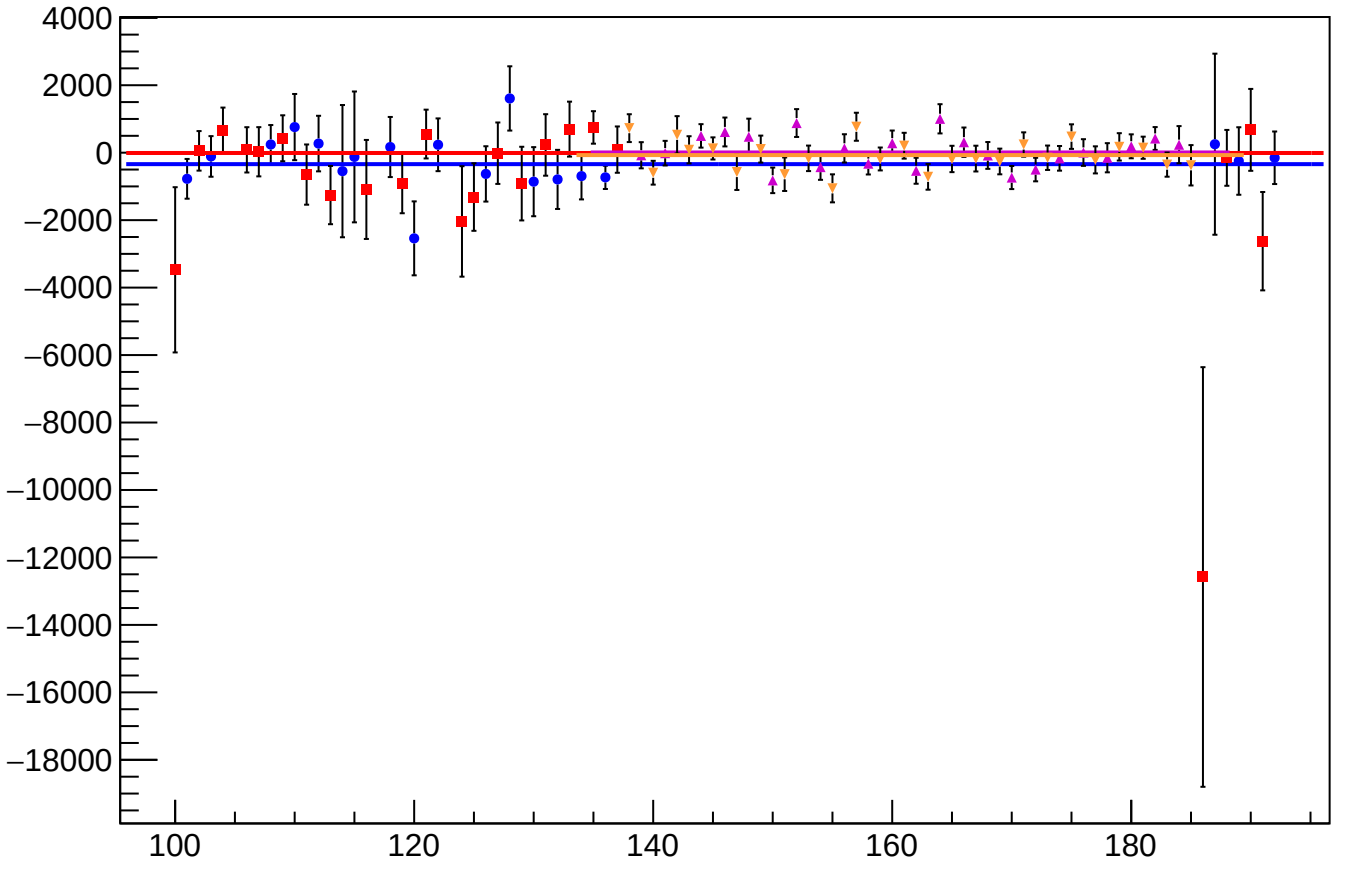
Right Out: 68.659+/-0.016 χ^2/NDF: 941312.2/22

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 63.465+/-0.009 χ^2/NDF: 1084543.4/43

All: 63.818+/-0.006 χ^2/NDF: 2322807.2/89

- sign 64.189+/-0.009 χ^2/NDF: 1234757.4/45



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+/-174.160 χ^2/NDF: 23.1/22

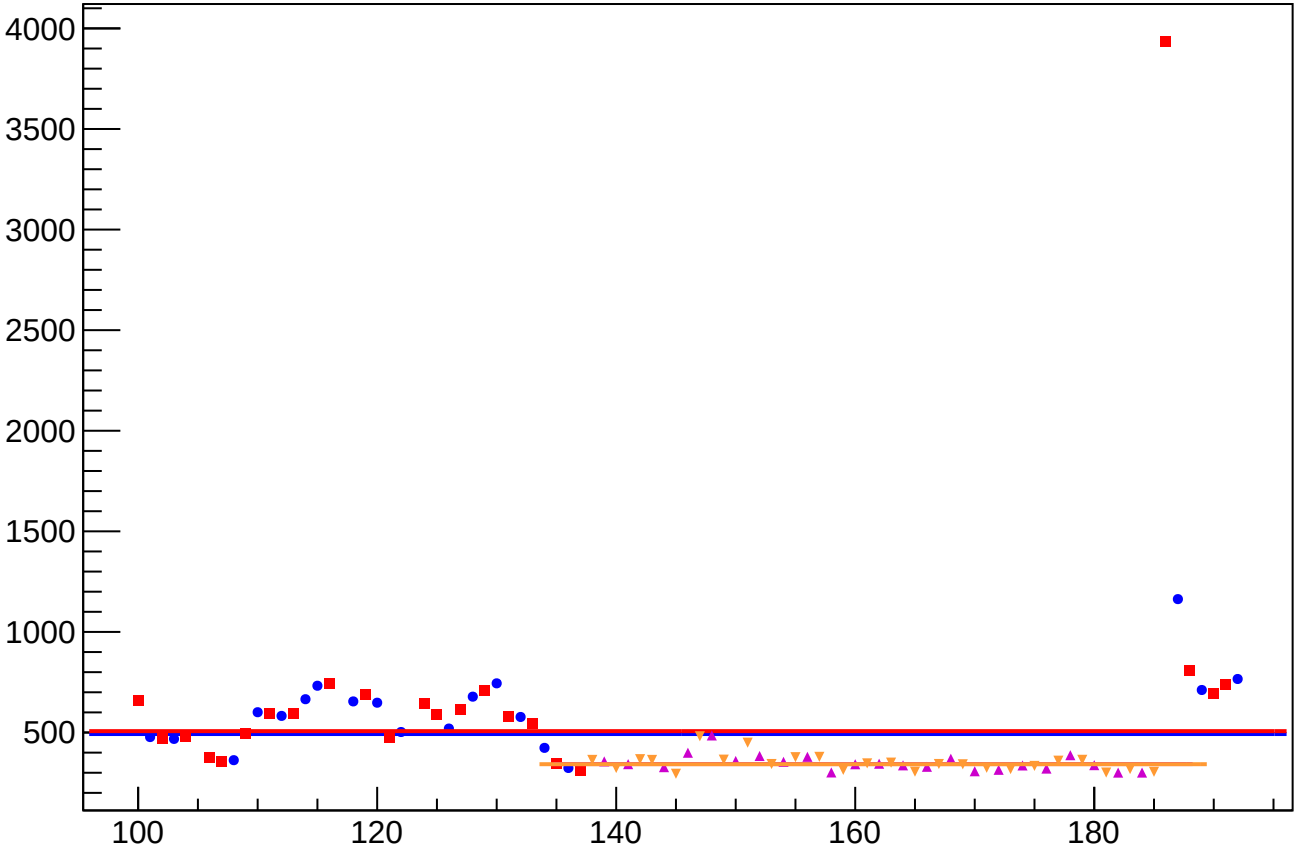
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -117.192+/-71.387 χ^2/NDF: 45.5/43

All: -58.441+/-51.130 χ^2/NDF: 104.0/89

- sign 3.445+/-73.266 χ^2/NDF: 57.1/45

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



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

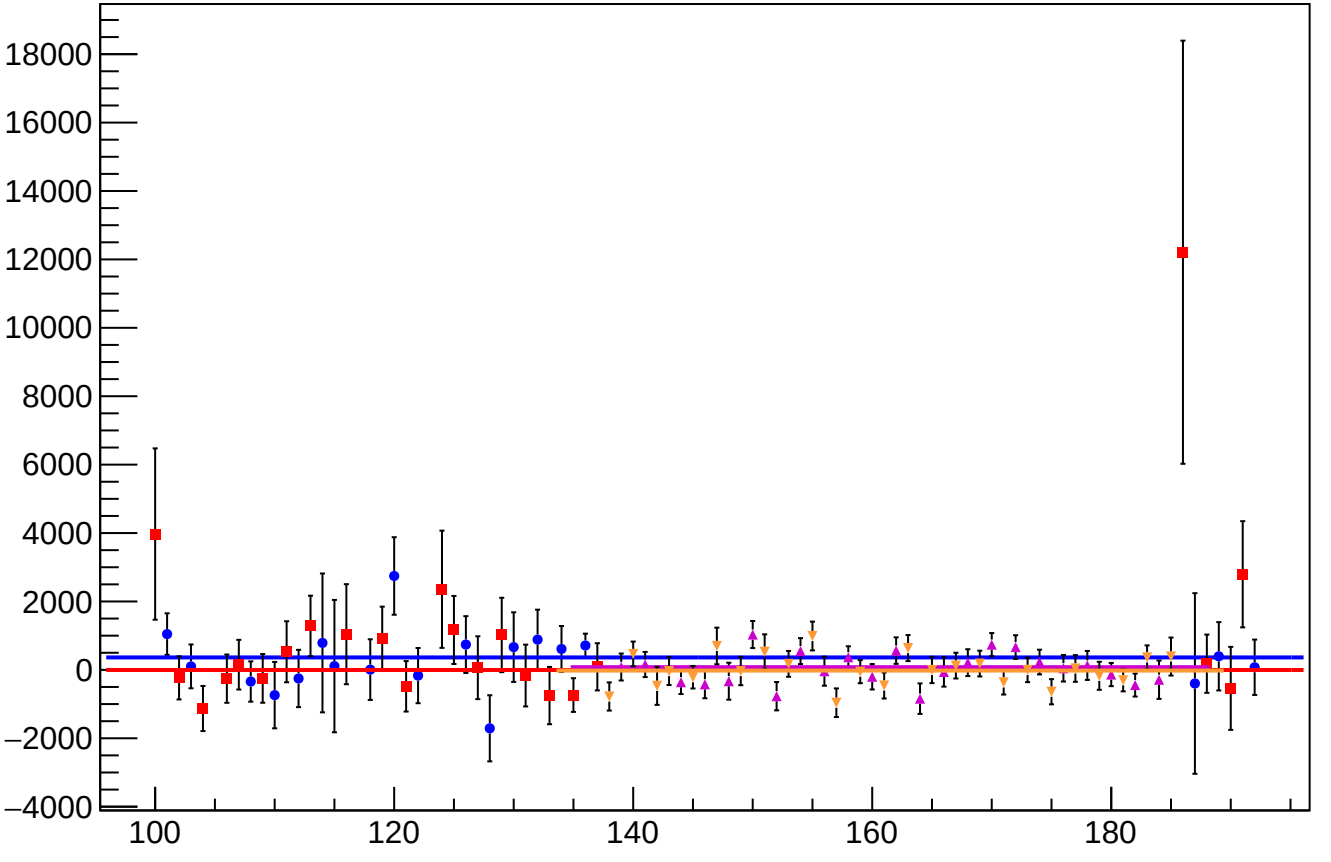
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 368.131+/-0.050 χ^2/NDF: 3175825.4/43

All: 370.109+/-0.036 χ^2/NDF: 6868016.5/89

- sign 372.193+/-0.052 χ^2/NDF: 3689037.3/45

asym_sam_13_57_dd_mean vs Slug



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

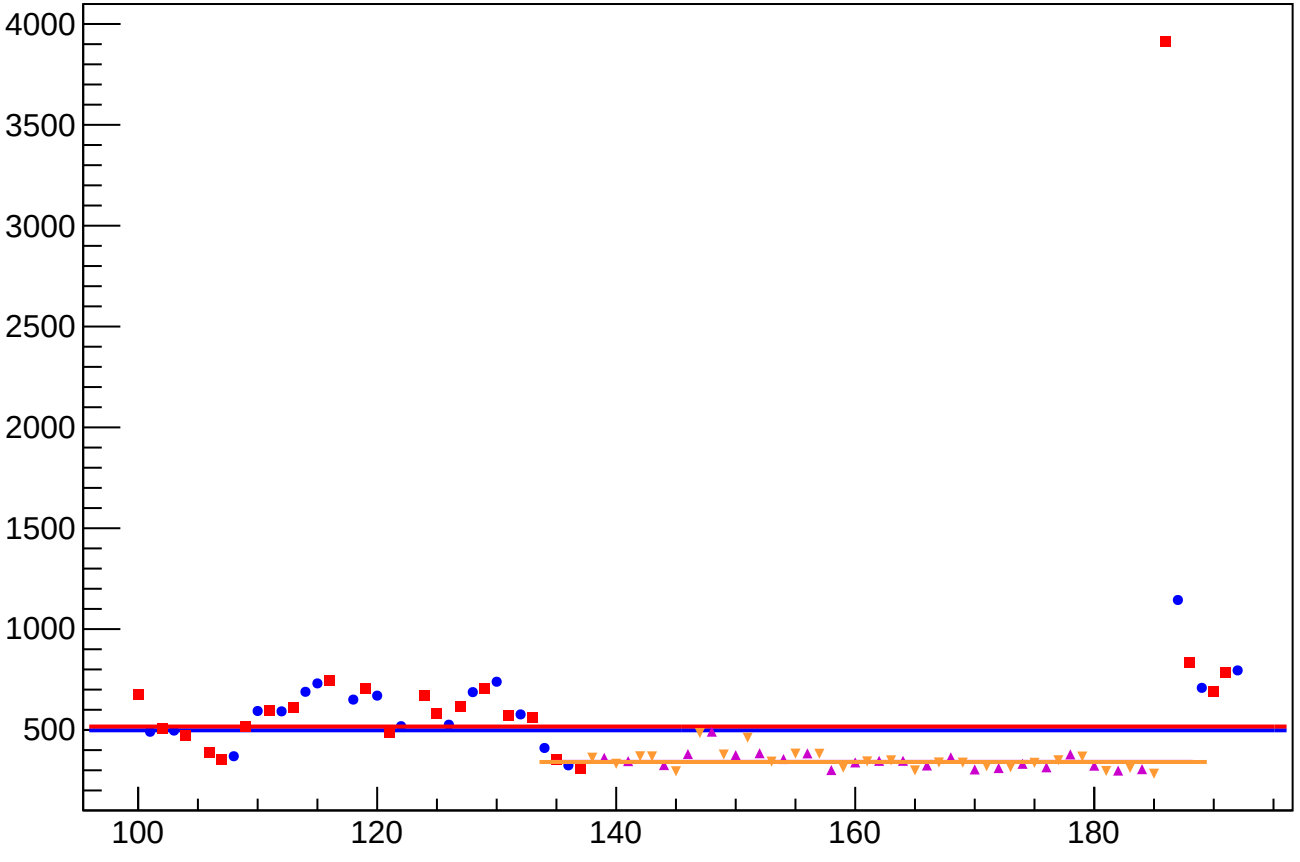
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 43.649+/-71.394 χ^2/NDF: 51.8/43

All: 53.938+/-51.132 χ^2/NDF: 109.9/89

- sign 64.774+/-73.265 χ^2/NDF: 58.0/45

asym_sam_13_57_dd_rms vs Slug



Right In: 498.192+/-0.124 χ^2/NDF: 1516653.1/18

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

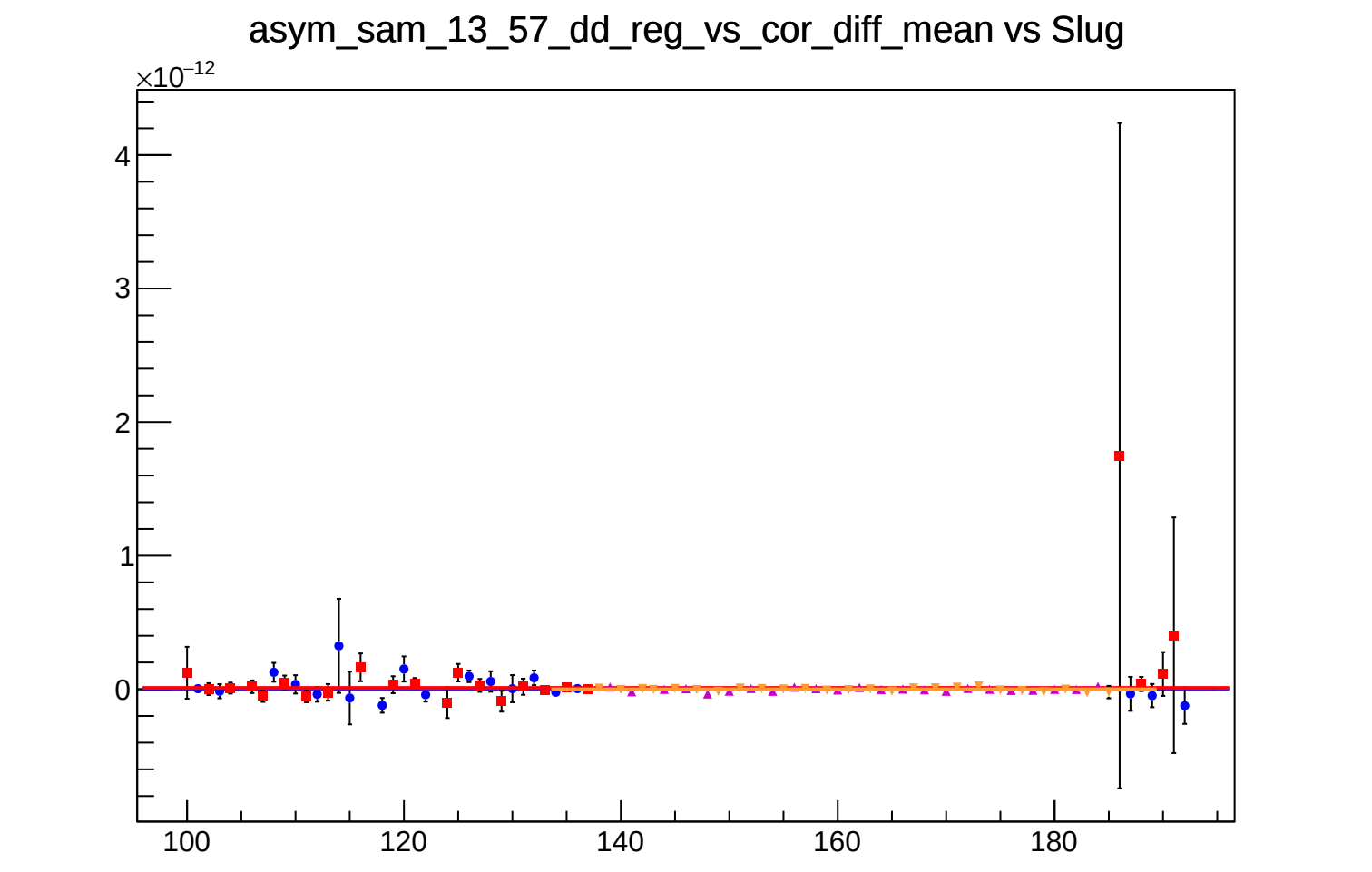
Right Out: 516.906+/-0.126 χ^2/NDF: 1864055.1/22

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 367.323+/-0.050 χ^2/NDF: 3368981.3/43

All: 369.303+/-0.036 χ^2/NDF: 7246932.4/89

- sign 371.388+/-0.052 χ^2/NDF: 3874793.6/45



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

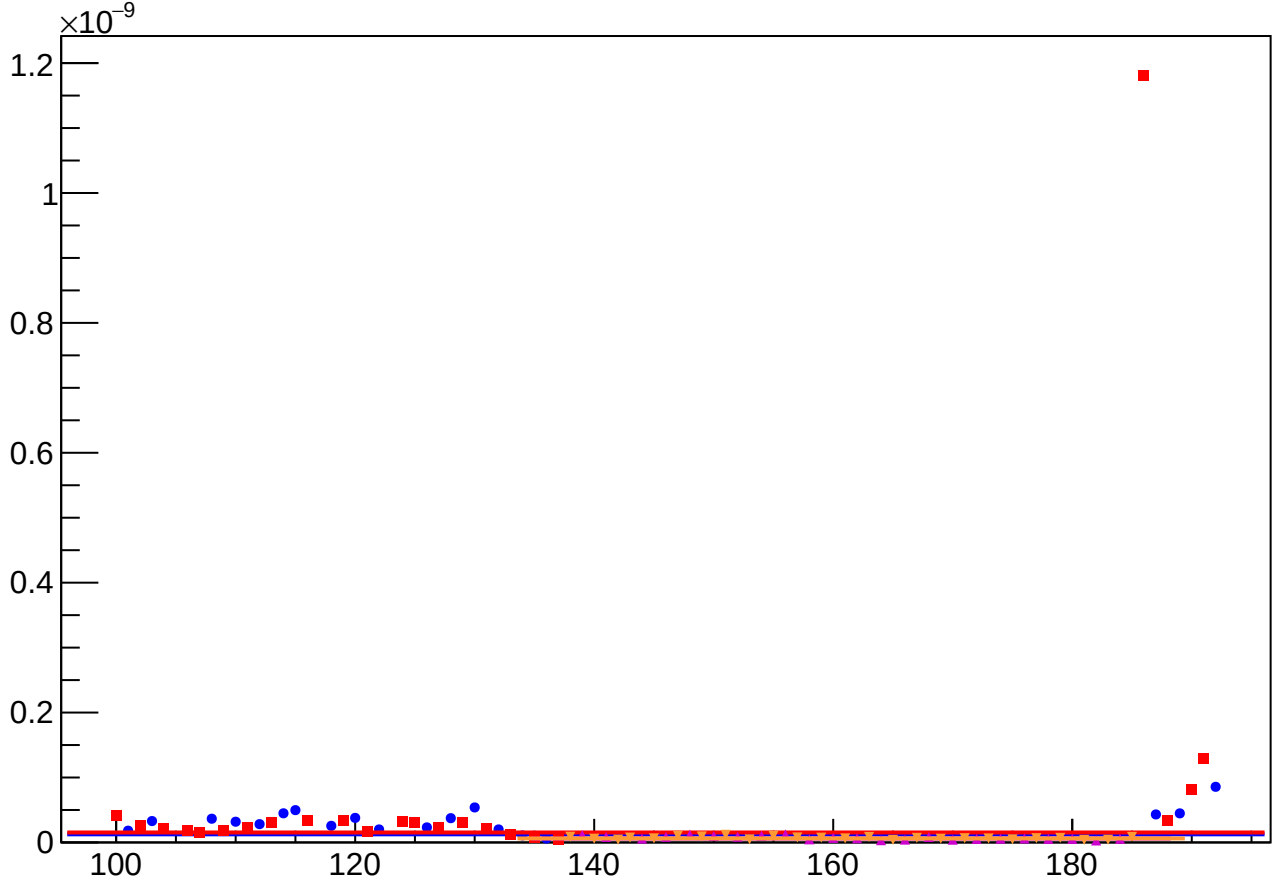
Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.0/43

All: -0.000+/-0.000 χ^2/NDF: 73.6/89

- sign -0.000+/-0.000 χ^2/NDF: 31.3/45

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug



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

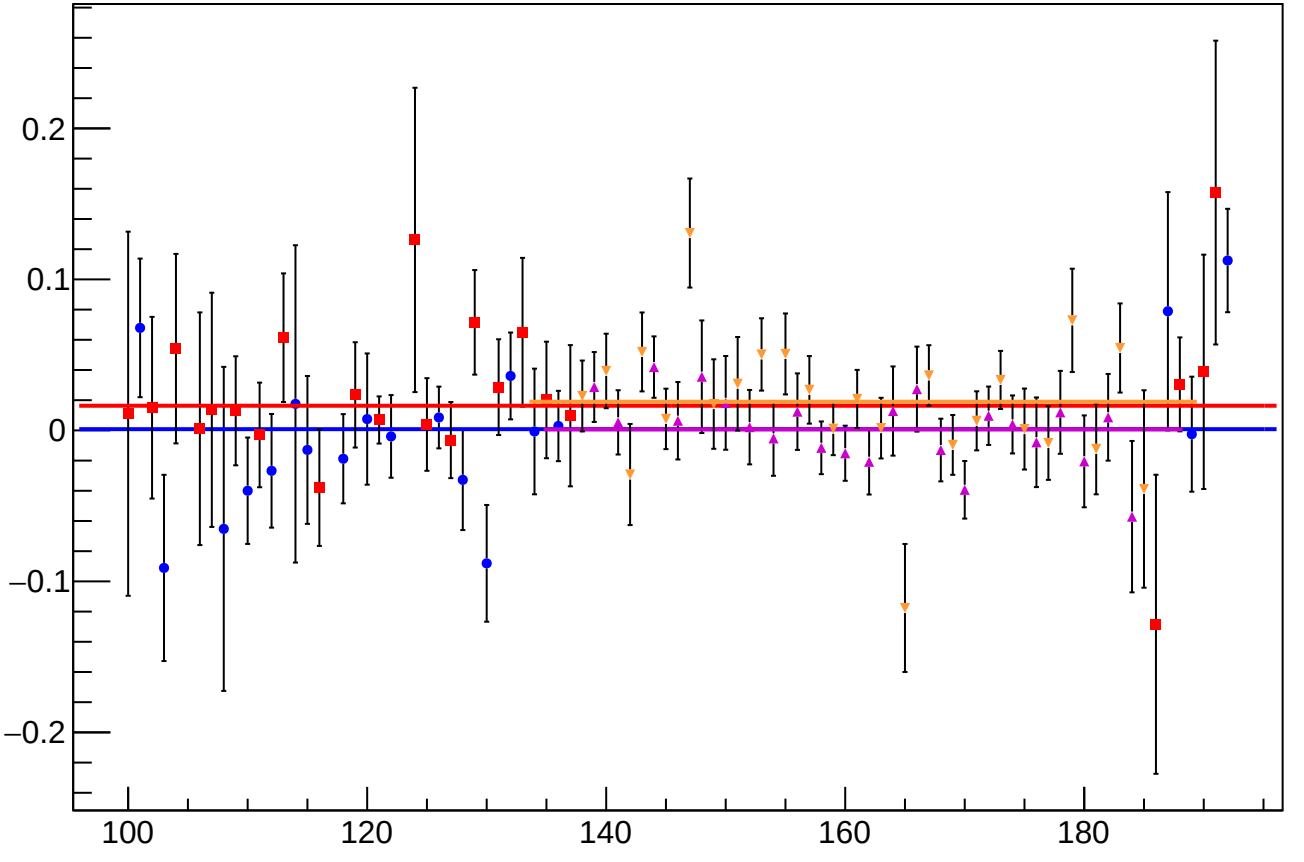
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6135054.3/43

All: 0.000+/-0.000 χ^2/NDF: 12573953.8/89

- sign 0.000+/-0.000 χ^2/NDF: 6438702.3/45

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.008 χ^2/NDF: 26.8/18

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

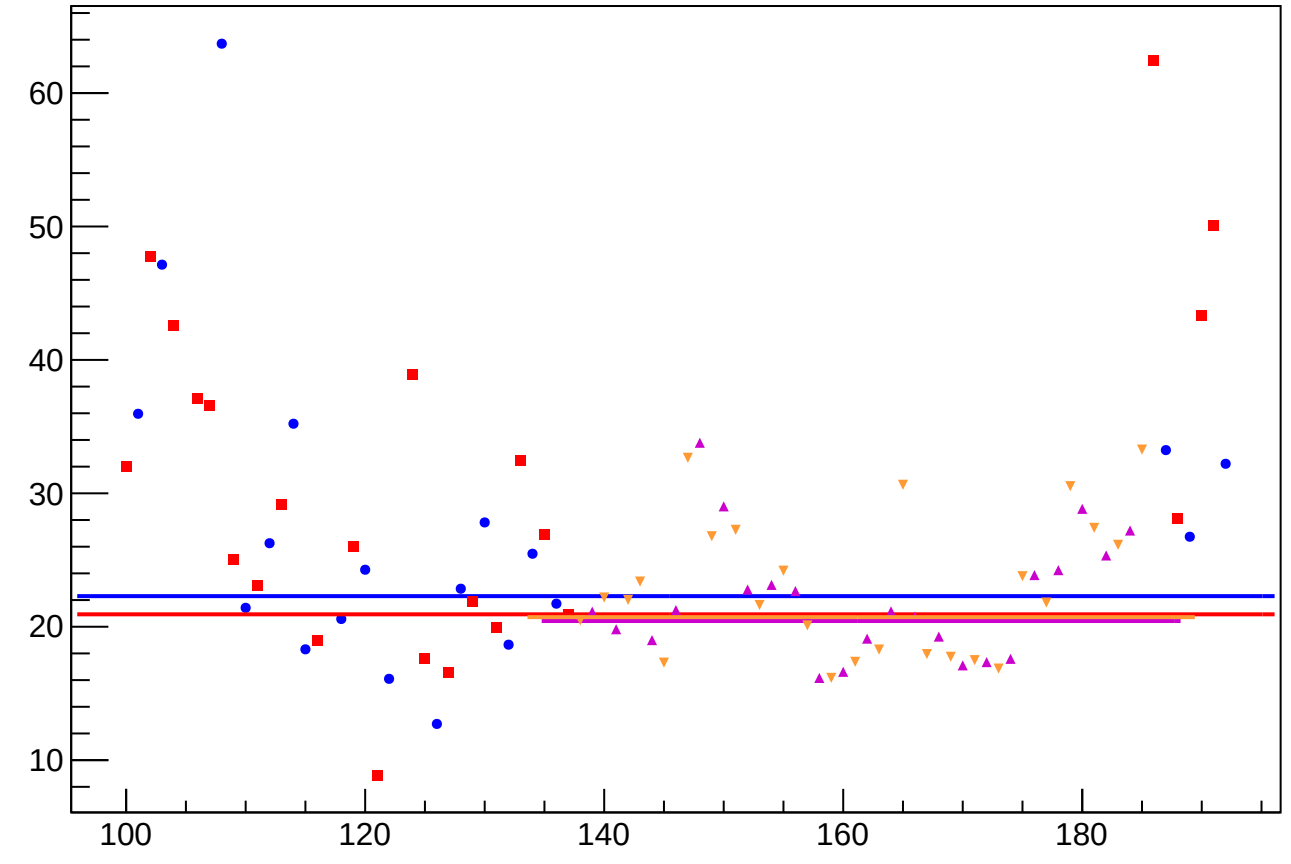
Right Out: 0.016+/-0.008 χ^2/NDF: 14.5/22

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 71.6/43

All: 0.010+/-0.003 χ^2/NDF: 109.0/89

- sign 0.005+/-0.004 χ^2/NDF: 35.0/45



Right In: 22.293+/-0.006 χ^2/NDF: 1739394.0/18

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

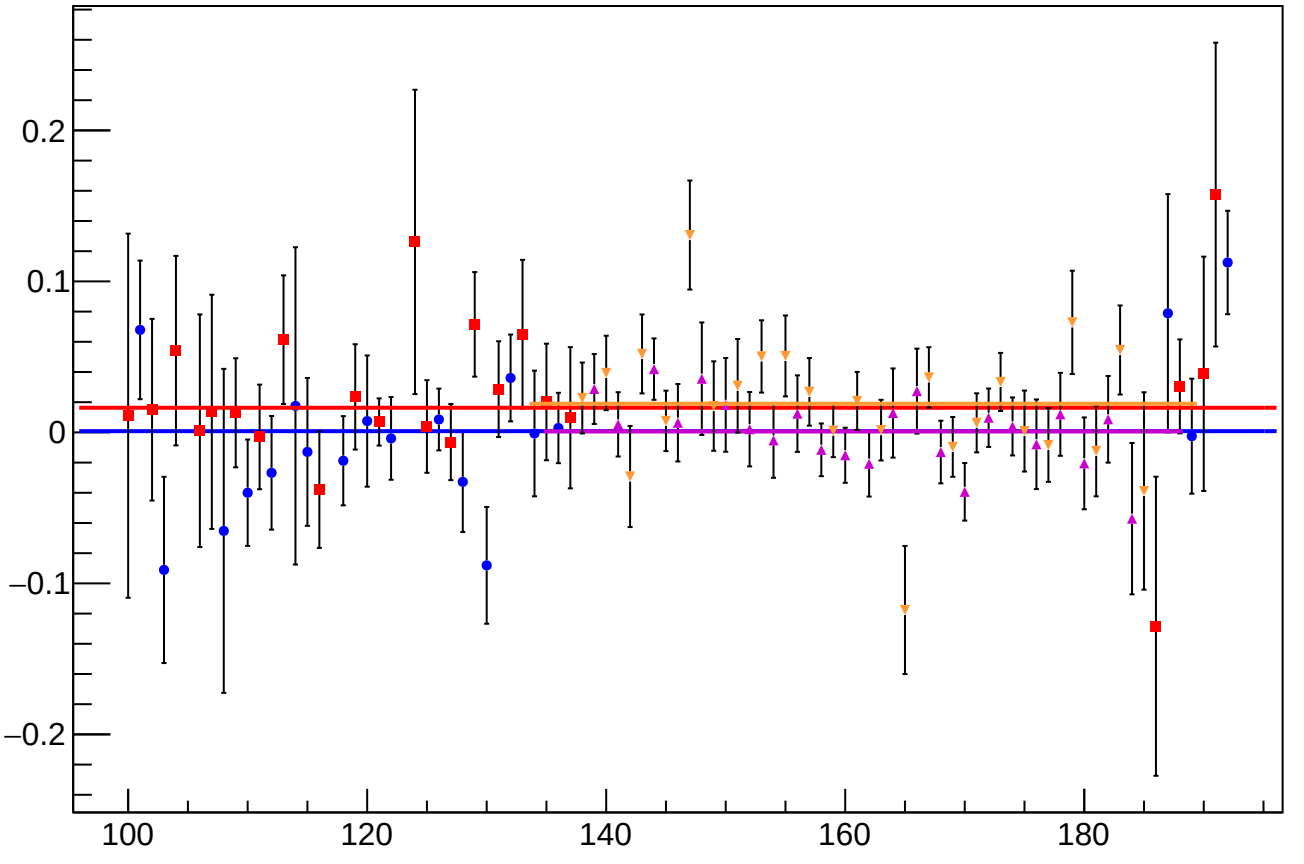
Right Out: 20.930+/-0.006 χ^2/NDF: 3275410.7/22

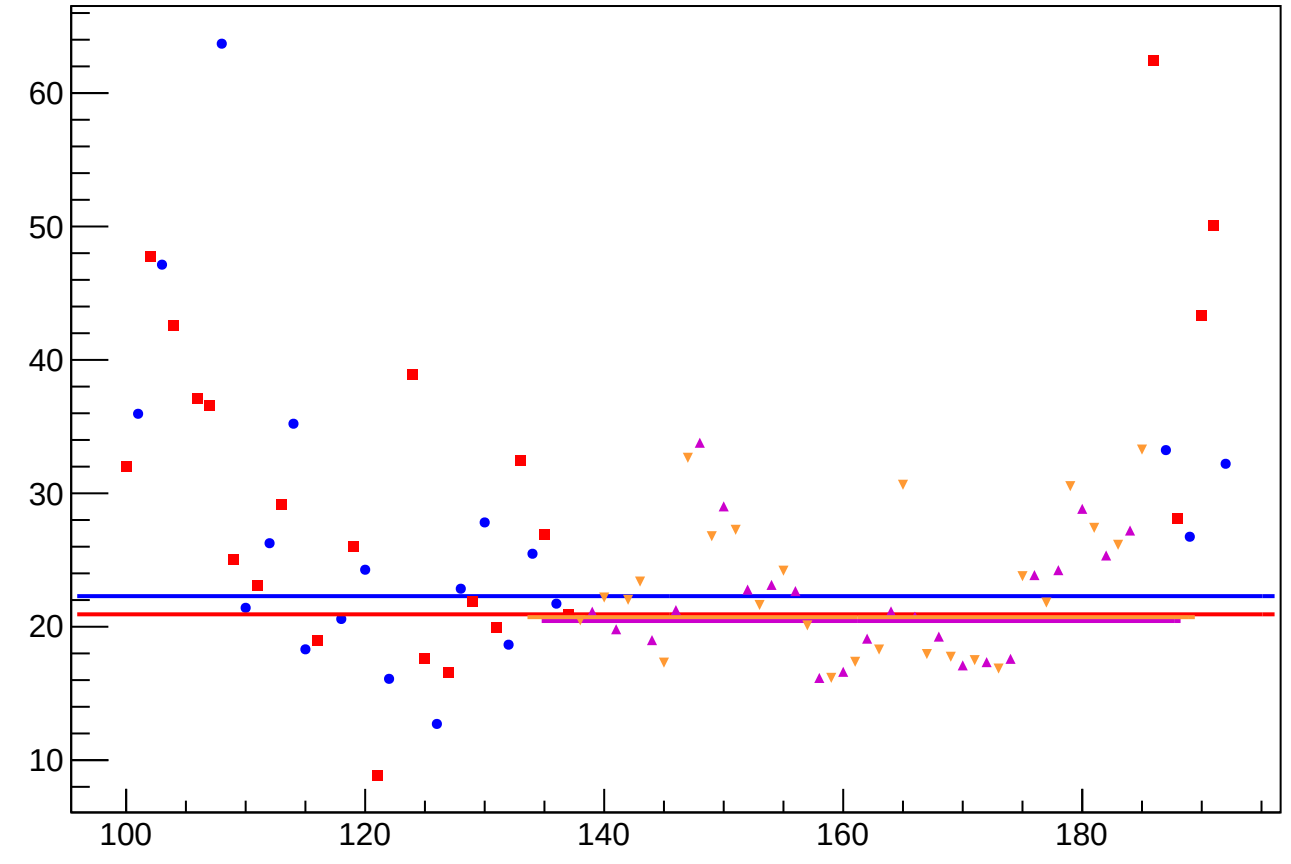
Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.135+/-0.003 χ^2/NDF: 3301099.9/43

All: 20.853+/-0.002 χ^2/NDF: 7774506.8/89

- sign 20.571+/-0.003 χ^2/NDF: 4455198.8/45


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug
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
+ sign 0.014+/-0.004 χ²/NDF: 71.6/43
All: 0.010+/-0.003 χ²/NDF: 109.0/89
- sign 0.005+/-0.004 χ²/NDF: 35.0/45



Right In: 22.293+/-0.006 χ^2/NDF: 1739394.0/18

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

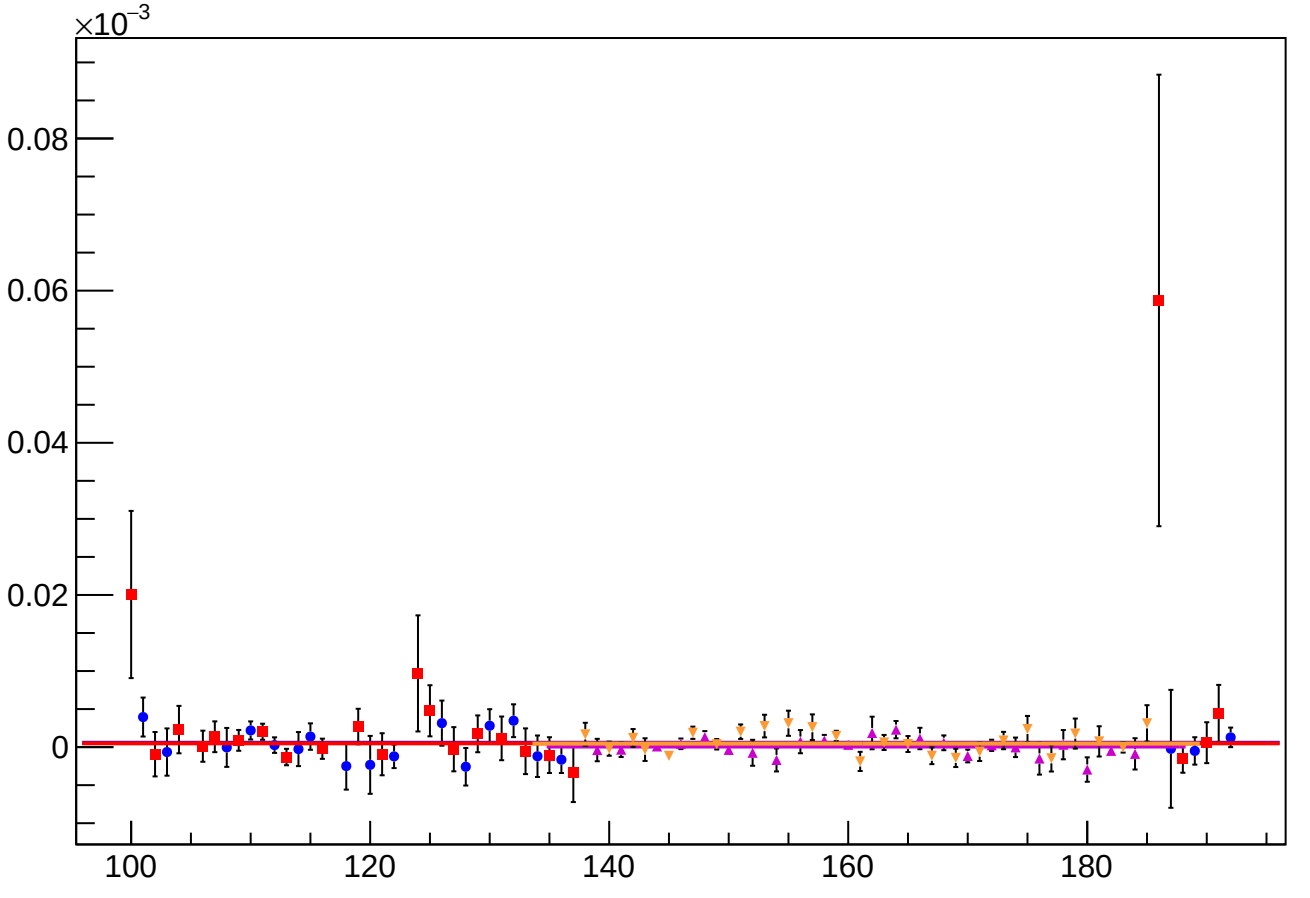
Right Out: 20.930+/-0.006 χ^2/NDF: 3275410.7/22

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.135+/-0.003 χ^2/NDF: 3301099.9/43

All: 20.853+/-0.002 χ^2/NDF: 7774506.8/89

- sign 20.571+/-0.003 χ^2/NDF: 4455198.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

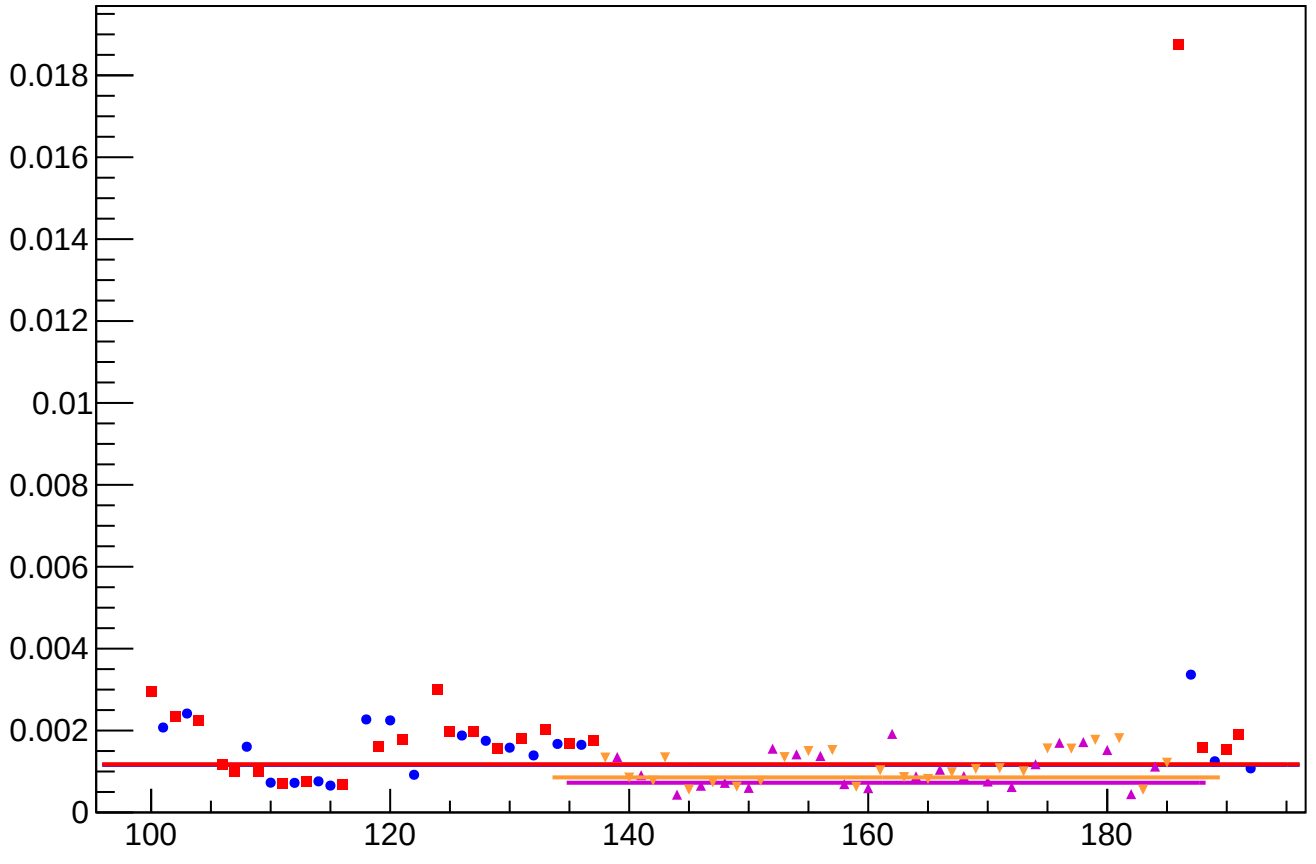
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/22

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/43

All: 0.000+/-0.000 χ^2/NDF: 95.4/89

- sign 0.000+/-0.000 χ^2/NDF: 41.8/45



Right In: 0.001+/-0.000 χ^2/NDF: 2709833.8/18

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

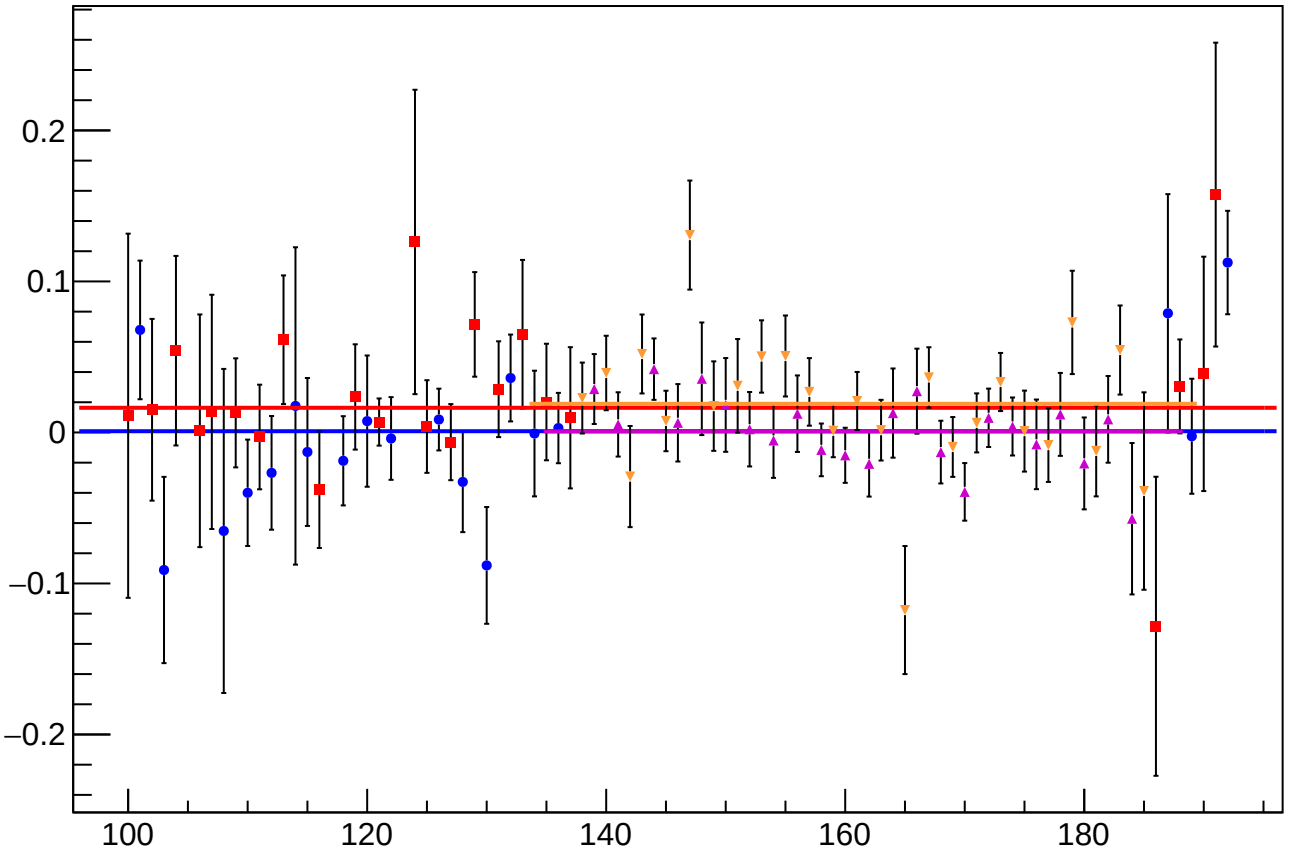
Right Out: 0.001+/-0.000 χ^2/NDF: 3562176.6/22

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 7955053.2/43

All: 0.001+/-0.000 χ^2/NDF: 19564270.8/89

- sign 0.001+/-0.000 χ^2/NDF: 11176692.7/45



Right In: 0.001+/-0.008 χ^2/NDF: 26.8/18

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

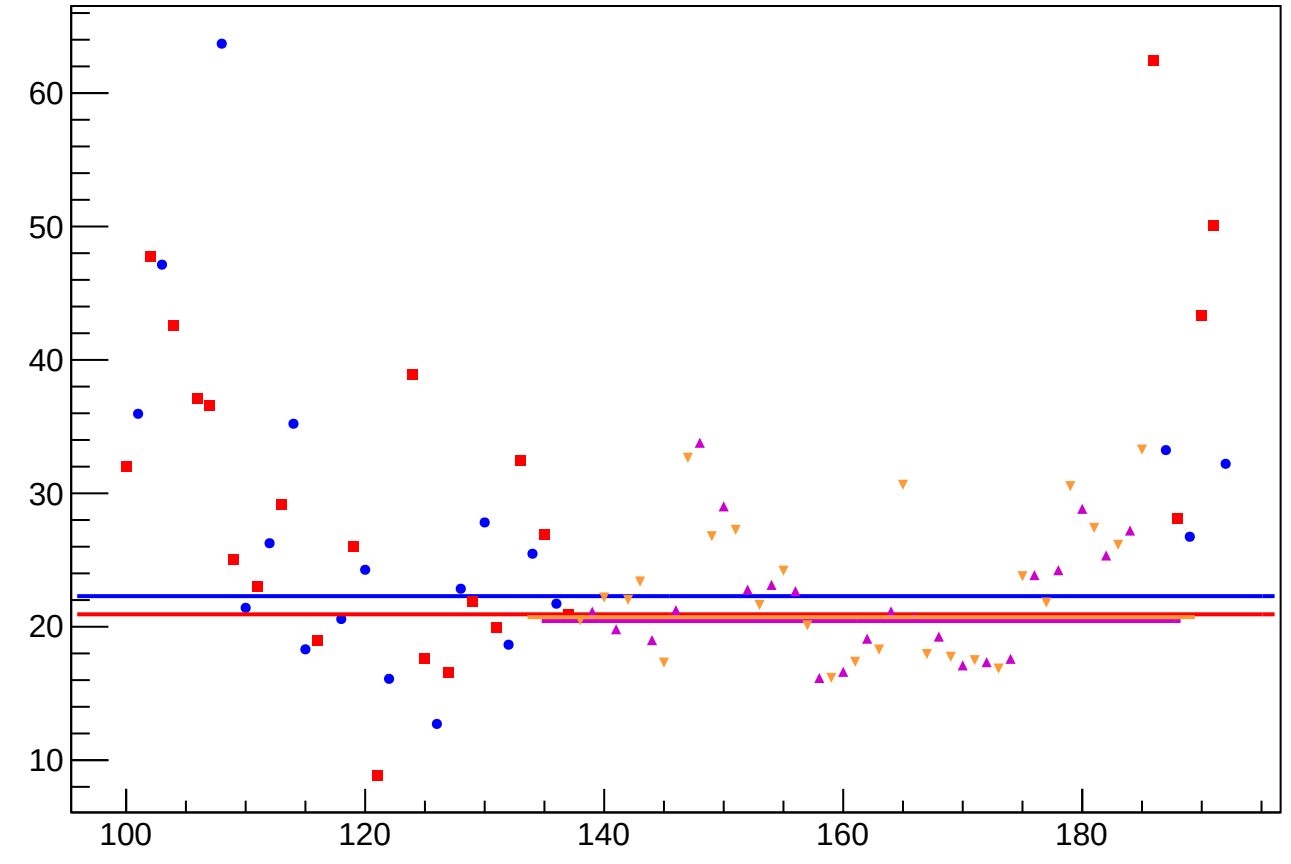
Right Out: 0.016+/-0.008 χ^2/NDF: 14.5/22

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 71.6/43

All: 0.010+/-0.003 χ^2/NDF: 109.0/89

- sign 0.005+/-0.004 χ^2/NDF: 35.0/45



Right In: 22.294+/-0.006 χ^2/NDF: 1739228.4/18

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

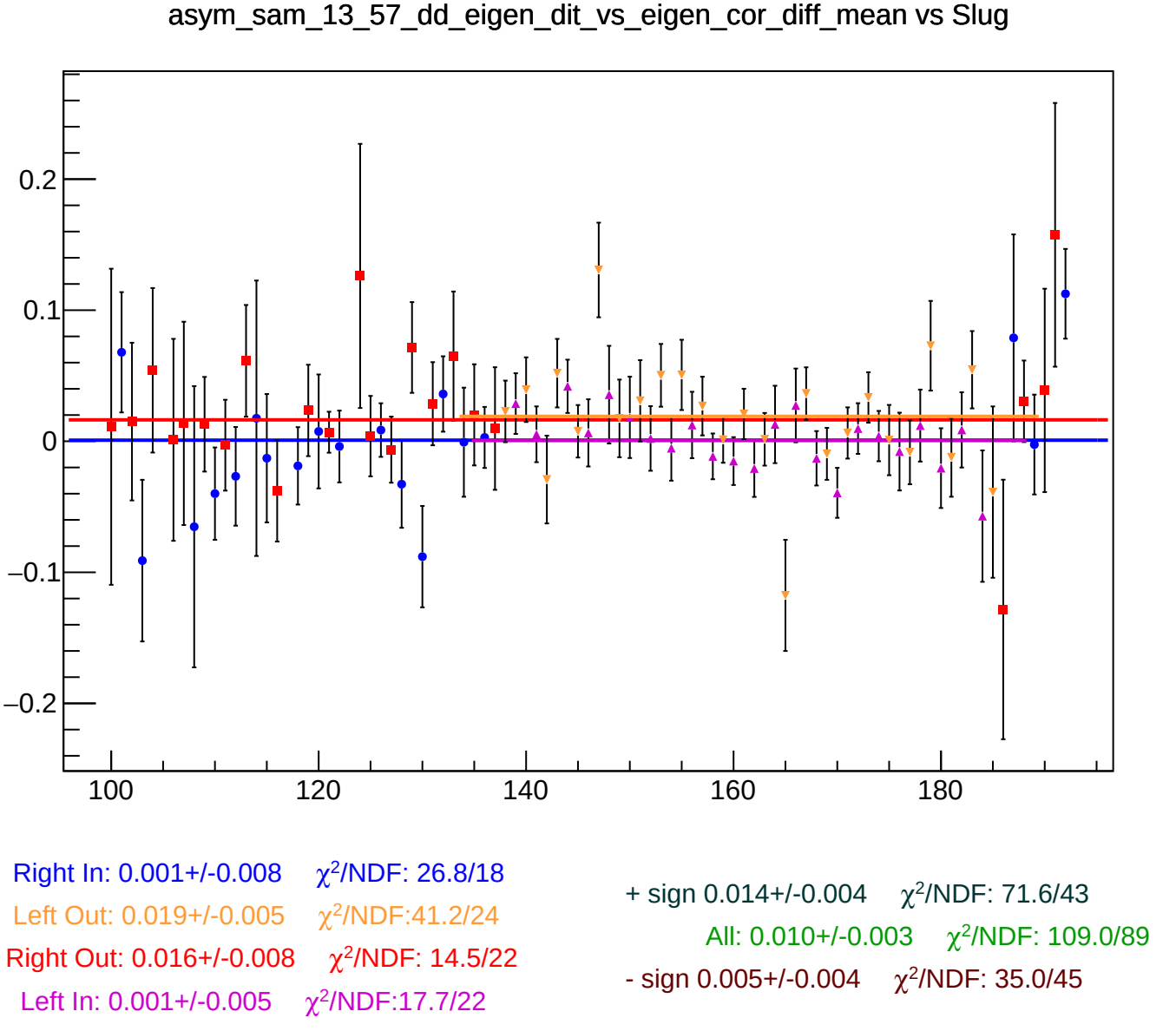
Right Out: 20.931+/-0.006 χ^2/NDF: 3274950.3/22

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 21.135+/-0.003 χ^2/NDF: 3301060.5/43

All: 20.853+/-0.002 χ^2/NDF: 7774056.7/89

- sign 20.571+/-0.003 χ^2/NDF: 4454798.7/45


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
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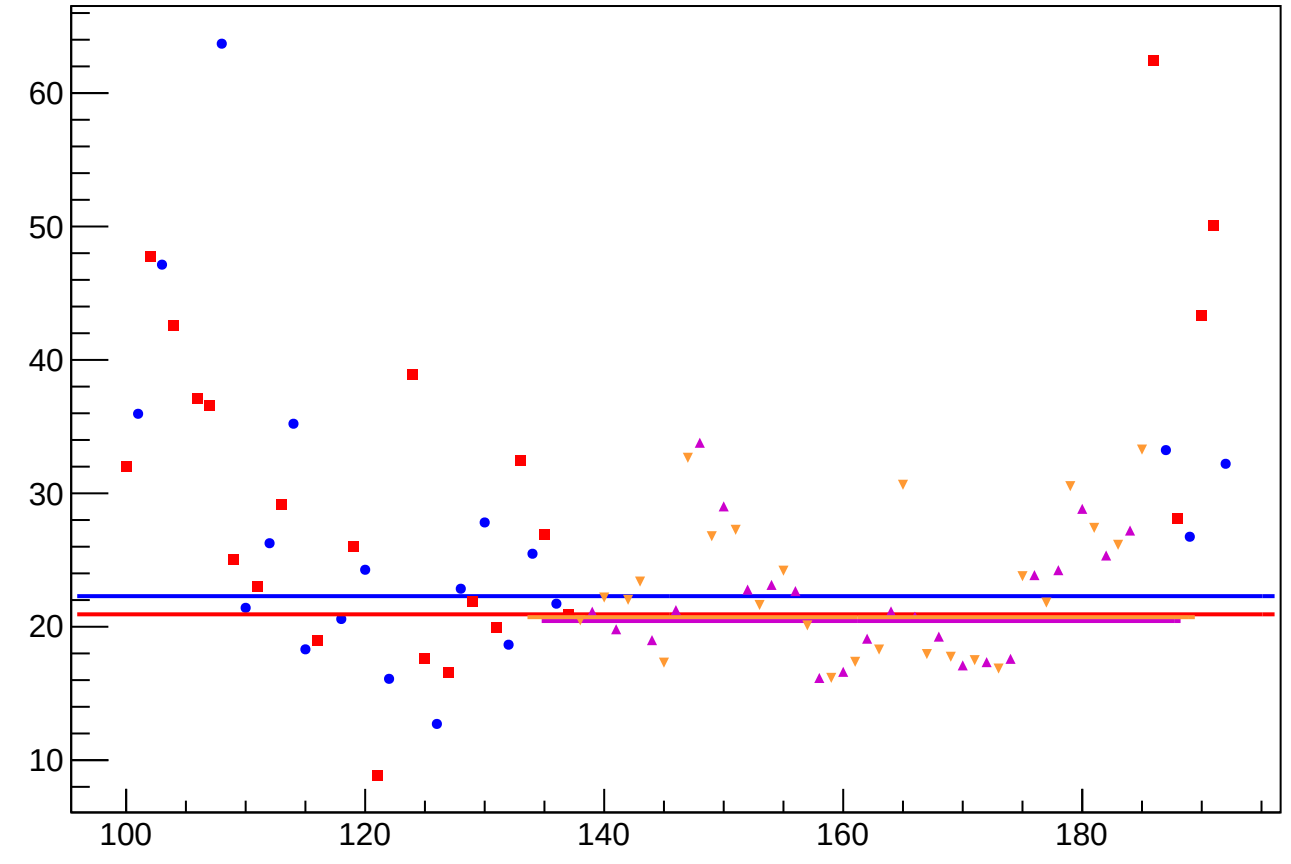
−0.1
−0.2
100
120
140
160
180
Right In: 0.001+/-0.008 χ²/NDF: 26.8/18
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: 0.016+/-0.008 χ²/NDF: 14.5/22
Left In: 0.001+/-0.005 χ²/NDF:17.7/22
+ sign 0.014+/-0.004 χ²/NDF: 71.6/43
All: 0.010+/-0.003 χ²/NDF: 109.0/89
- sign 0.005+/-0.004 χ²/NDF: 35.0/45



Right In: 22.294+/-0.006 χ^2/NDF: 1739228.4/18

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

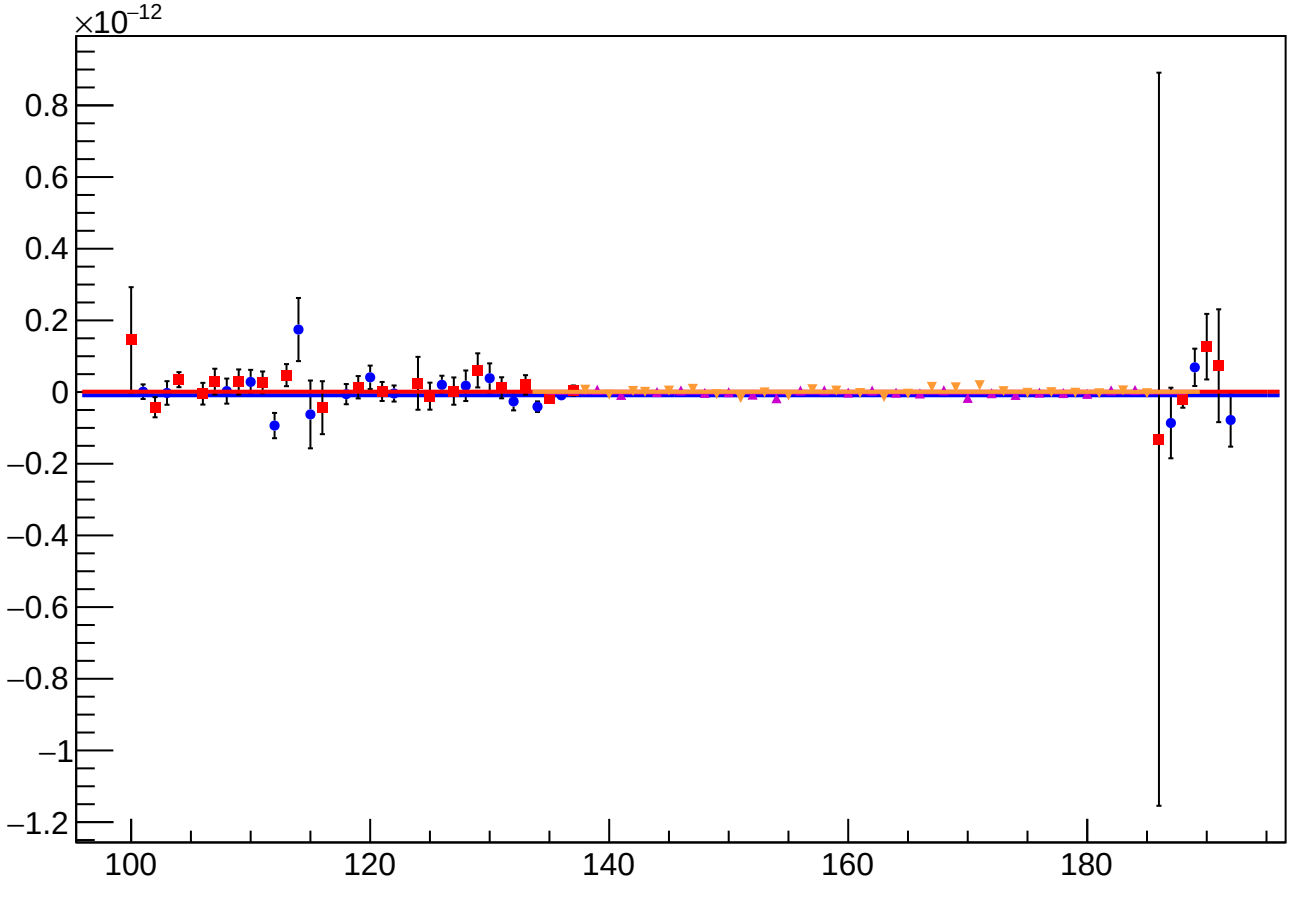
Right Out: 20.931+/-0.006 χ^2/NDF: 3274950.3/22

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 21.135+/-0.003 χ^2/NDF: 3301060.5/43

All: 20.853+/-0.002 χ^2/NDF: 7774056.7/89

- sign 20.571+/-0.003 χ^2/NDF: 4454798.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

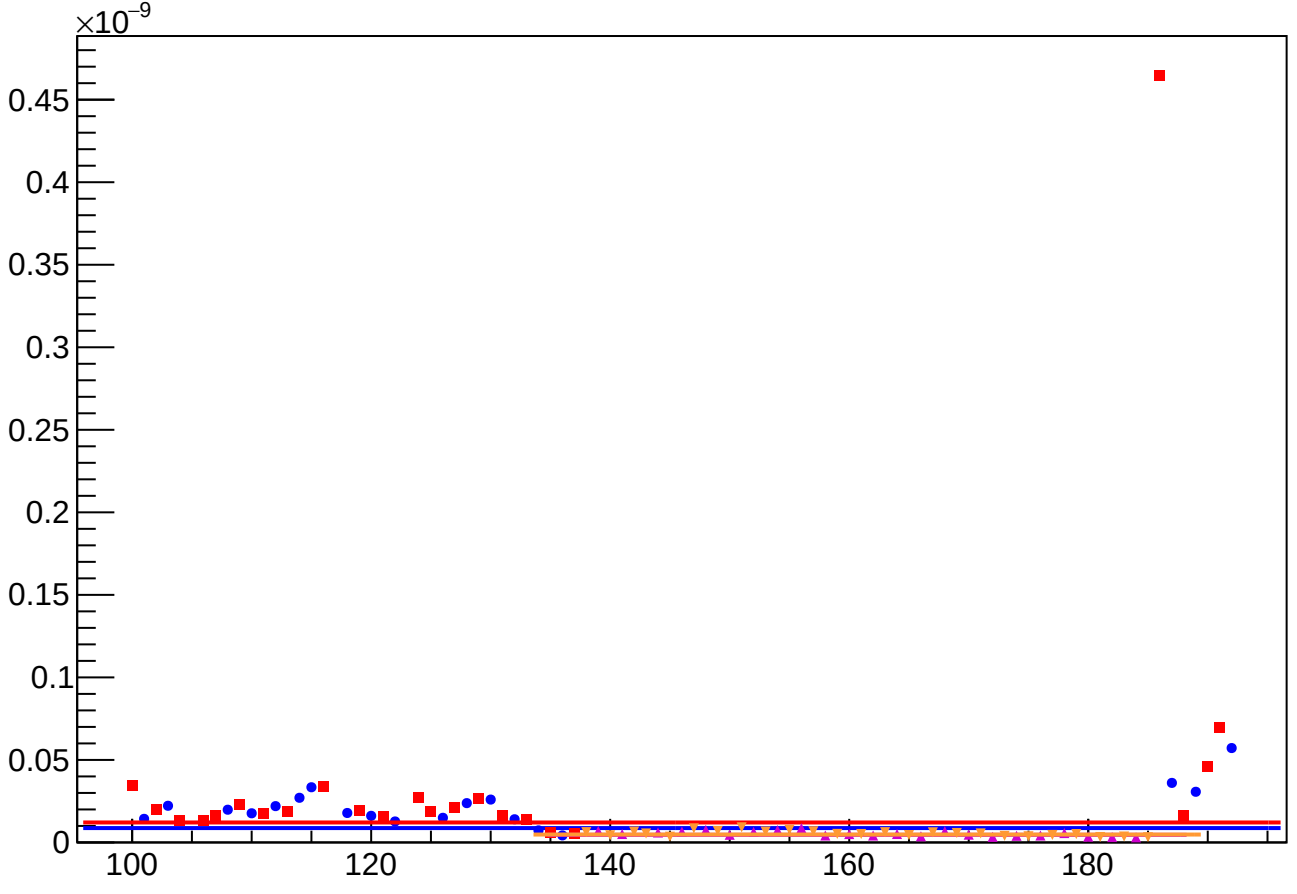
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/22

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.5/43

All: -0.000+/-0.000 χ^2/NDF: 100.8/89

- sign -0.000+/-0.000 χ^2/NDF: 40.8/45



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

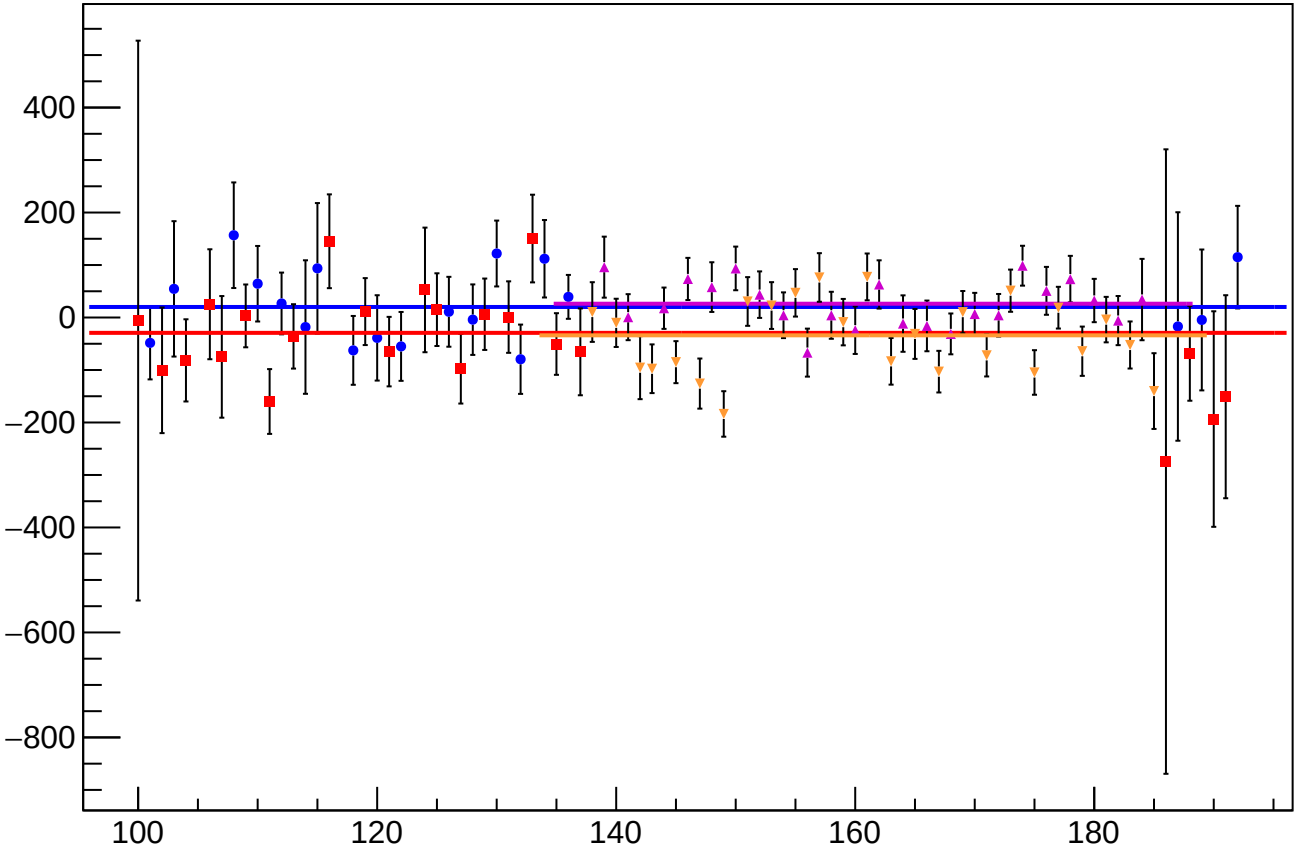
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8640238.0/43

All: 0.000+/-0.000 χ^2/NDF: 17683717.4/89

- sign 0.000+/-0.000 χ^2/NDF: 9039291.7/45

reg_asym_sam_15_37_dd_mean vs Slug



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

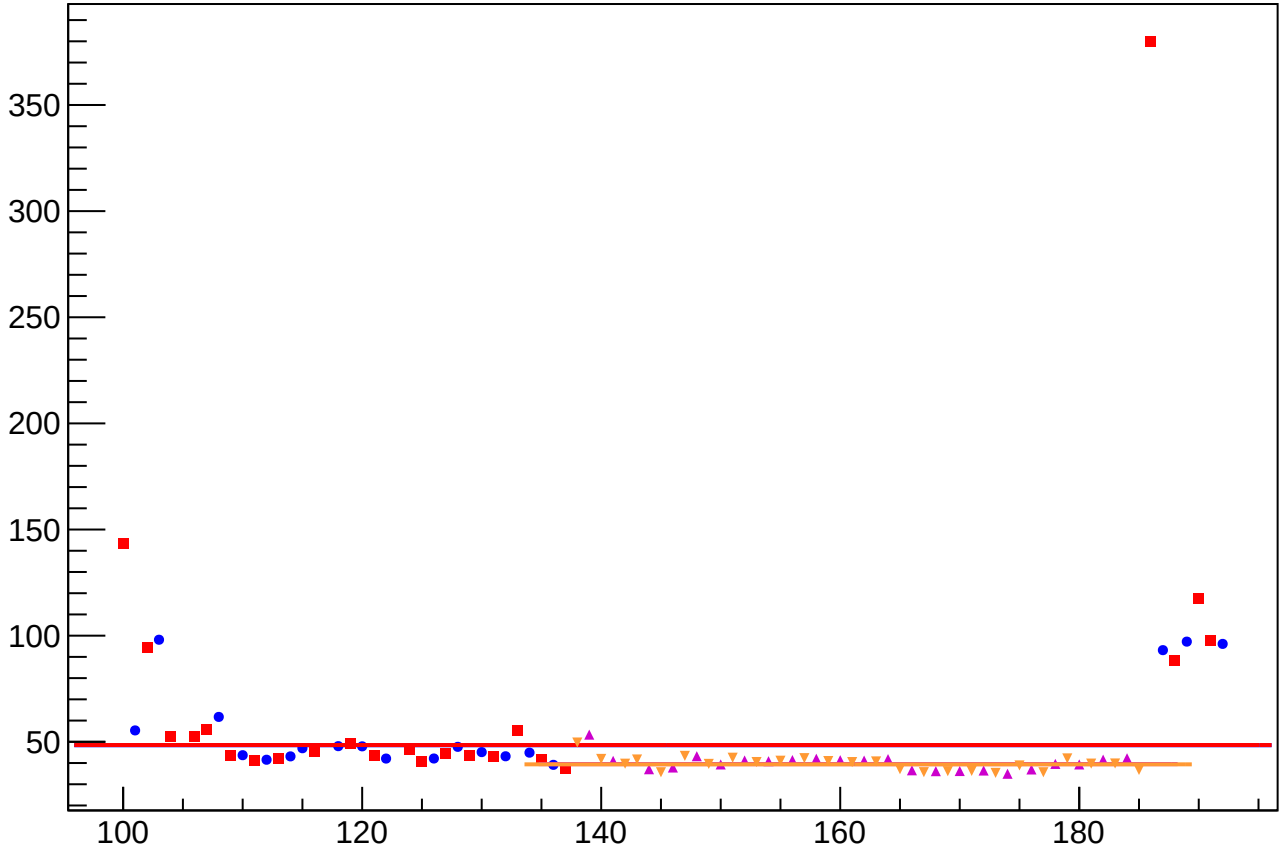
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -22.147+/-7.950 χ^2/NDF: 81.6/43

All: -4.756+/-5.683 χ^2/NDF: 141.4/89

- sign 13.422+/-8.128 χ^2/NDF: 50.1/45

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 48.369+/-0.012 χ^2/NDF: 1374404.2/18

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

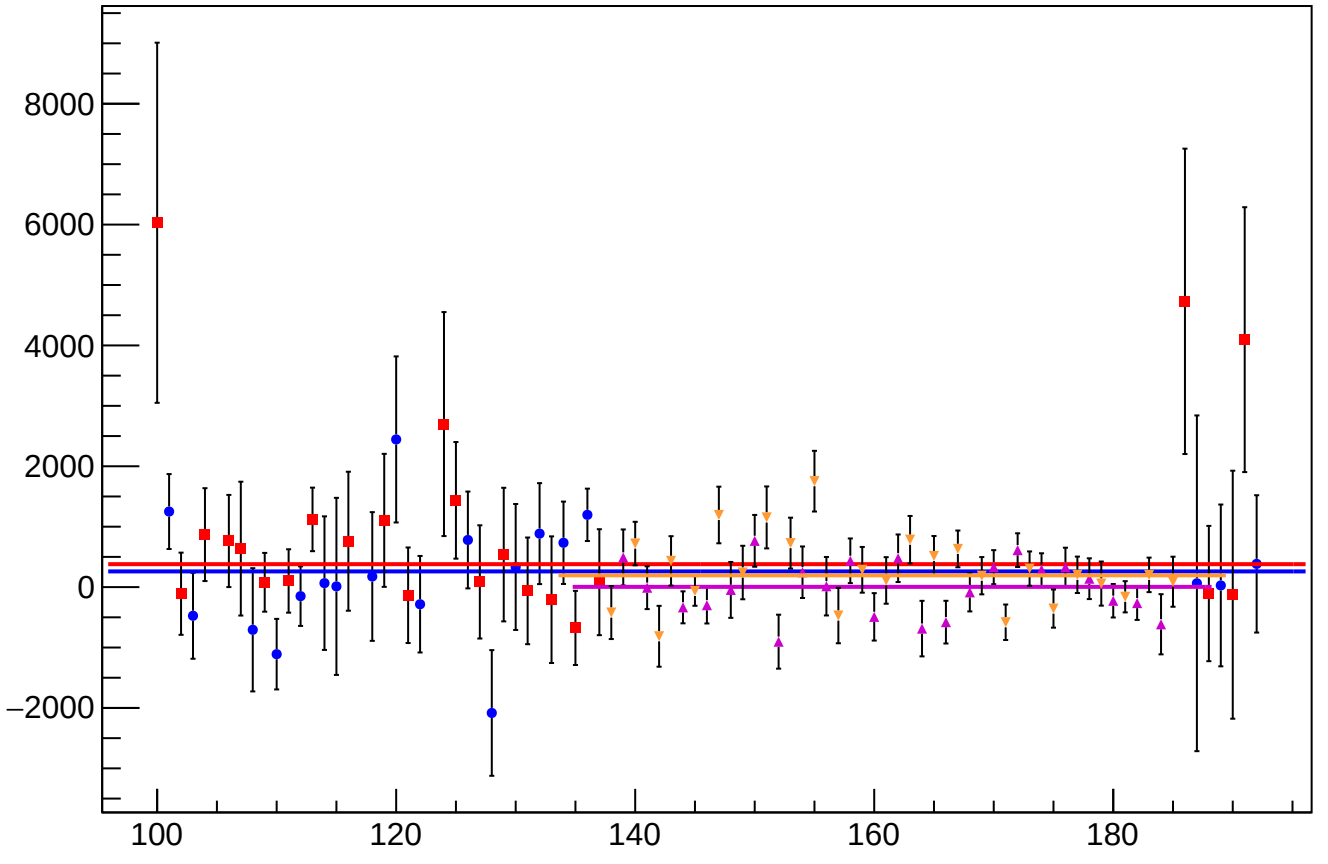
Right Out: 48.477+/-0.012 χ^2/NDF: 1946306.7/22

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.347+/-0.006 χ^2/NDF: 2039660.7/43

All: 41.456+/-0.004 χ^2/NDF: 4673368.1/89

- sign 41.571+/-0.006 χ^2/NDF: 2632931.9/45



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

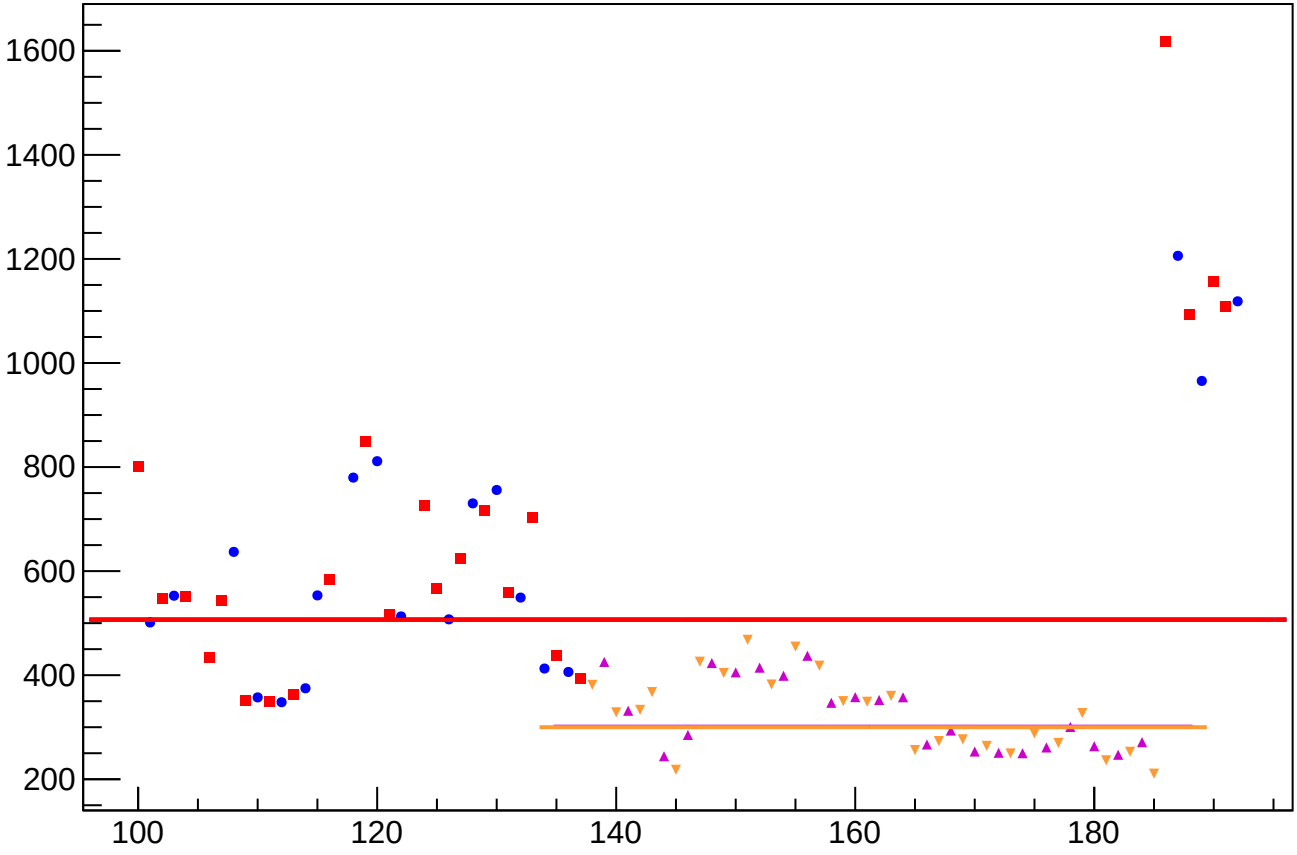
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 203.514+/-65.350 χ^2/NDF: 73.7/43

All: 131.945+/-46.666 χ^2/NDF: 133.5/89

- sign 57.475+/-66.662 χ^2/NDF: 57.3/45

asym_sam_15_37_dd_reg_correction_rms vs Slug



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

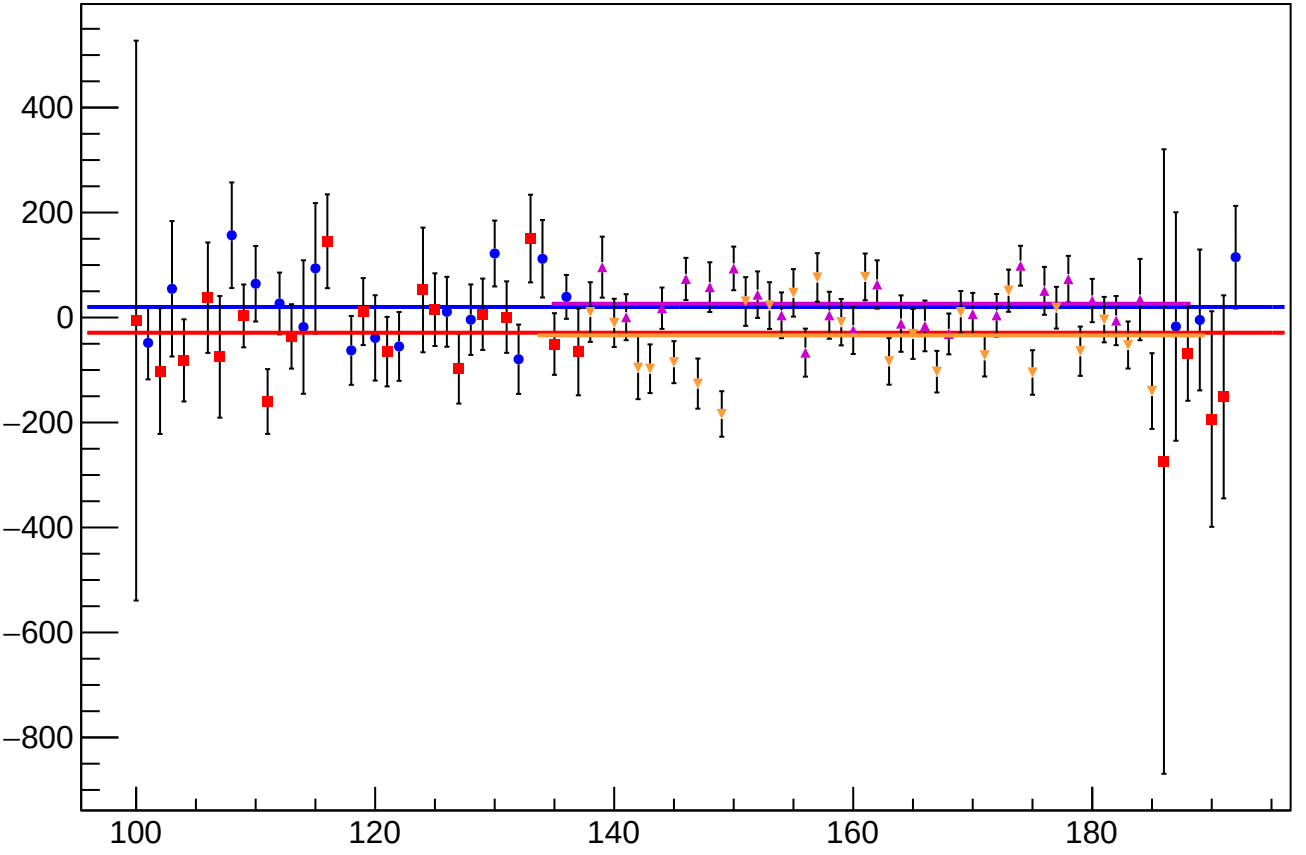
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 327.081+/-0.046 χ^2/NDF: 6034165.0/43

All: 328.608+/-0.033 χ^2/NDF: 12108051.1/89

- sign 330.196+/-0.047 χ^2/NDF: 6071657.8/45

cor_asym_sam_15_37_dd_mean vs Slug



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

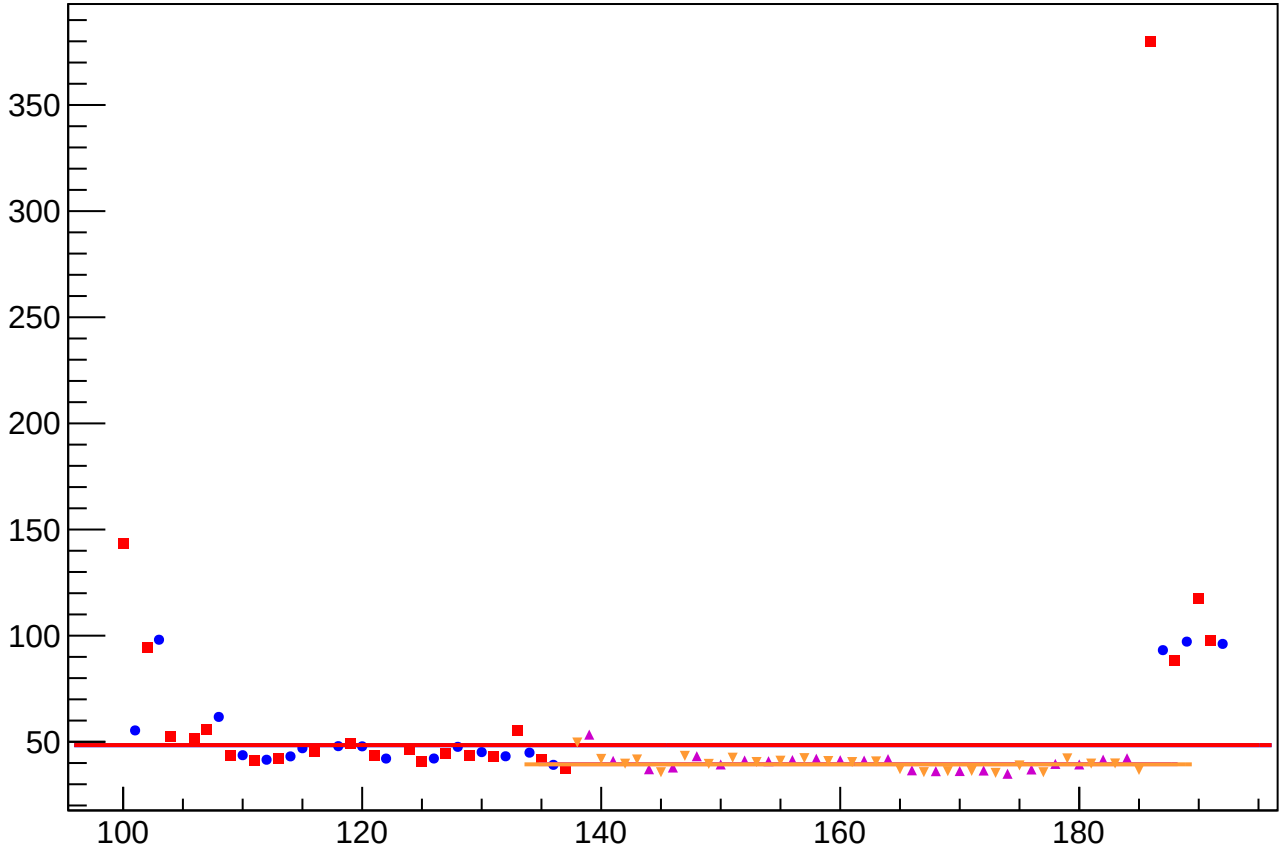
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -22.145+/-7.950 χ^2/NDF: 81.6/43

All: -4.723+/-5.684 χ^2/NDF: 141.5/89

- sign 13.489+/-8.128 χ^2/NDF: 50.1/45

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 48.369+/-0.012 χ^2/NDF: 1374407.2/18

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

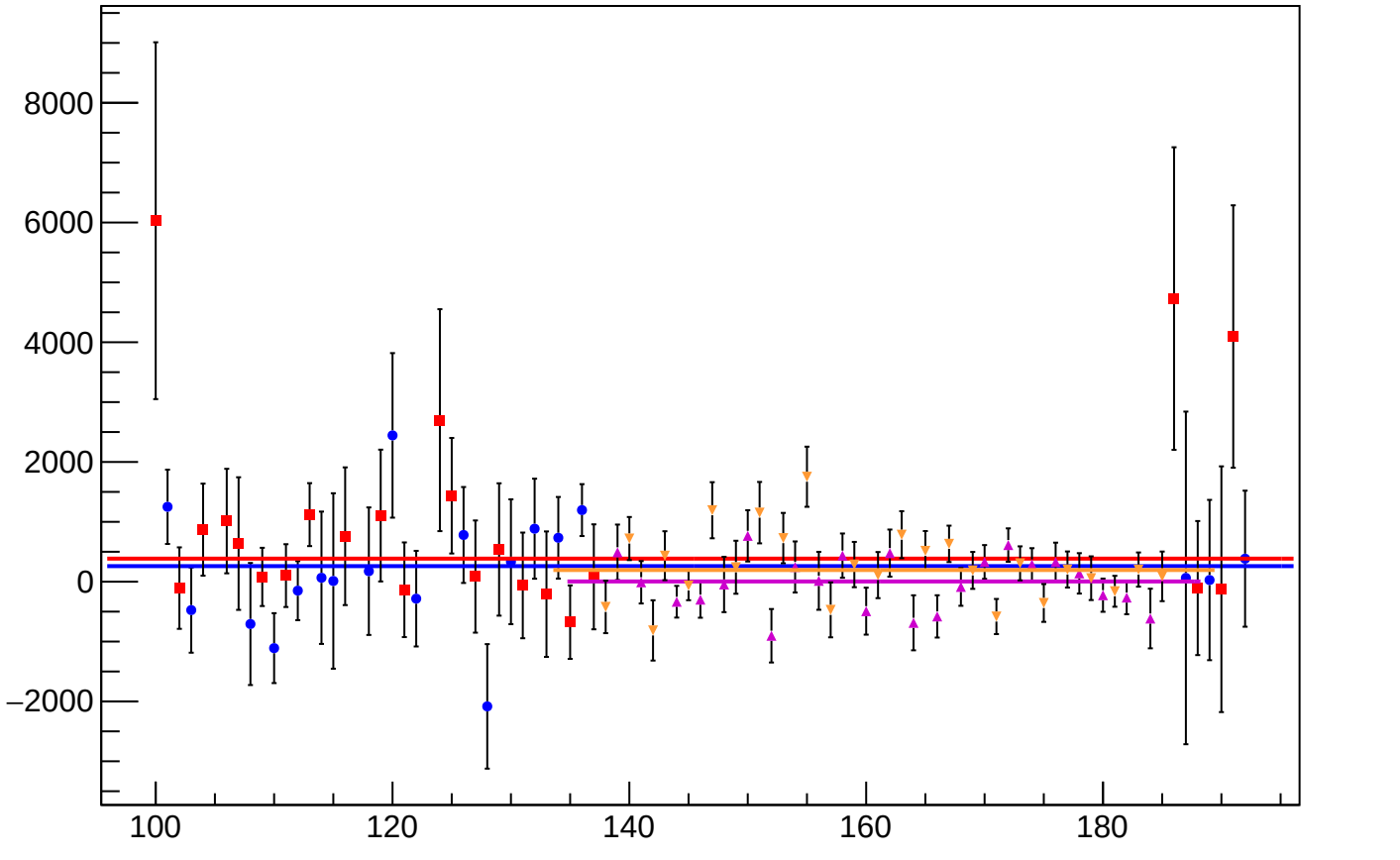
Right Out: 48.455+/-0.012 χ^2/NDF: 1945443.4/22

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

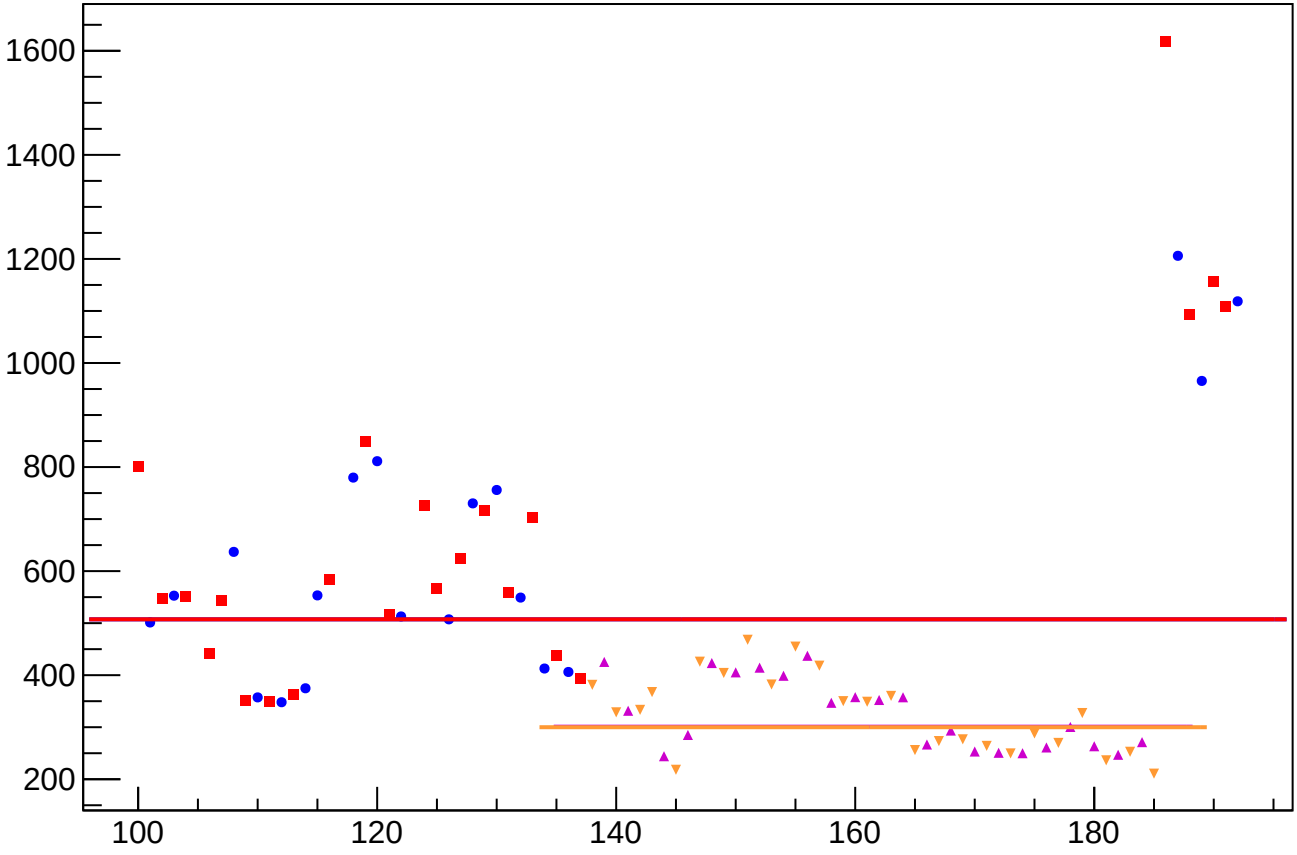
+ sign 41.347+/-0.006 χ^2/NDF: 2039663.6/43

All: 41.453+/-0.004 χ^2/NDF: 4670259.9/89

- sign 41.565+/-0.006 χ^2/NDF: 2629858.4/45


asym_sam_15_37_dd_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
Right In: 259.930+/-180.736 χ²/NDF: 25.0/18
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 385.276+/-177.831 χ²/NDF: 21.3/22
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 203.514+/-65.350 χ²/NDF: 73.7/43
All: 132.115+/-46.687 χ²/NDF: 133.8/89
- sign 57.687+/-66.722 χ²/NDF: 57.6/45

asym_sam_15_37_dd_cor_correction_rms vs Slug



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

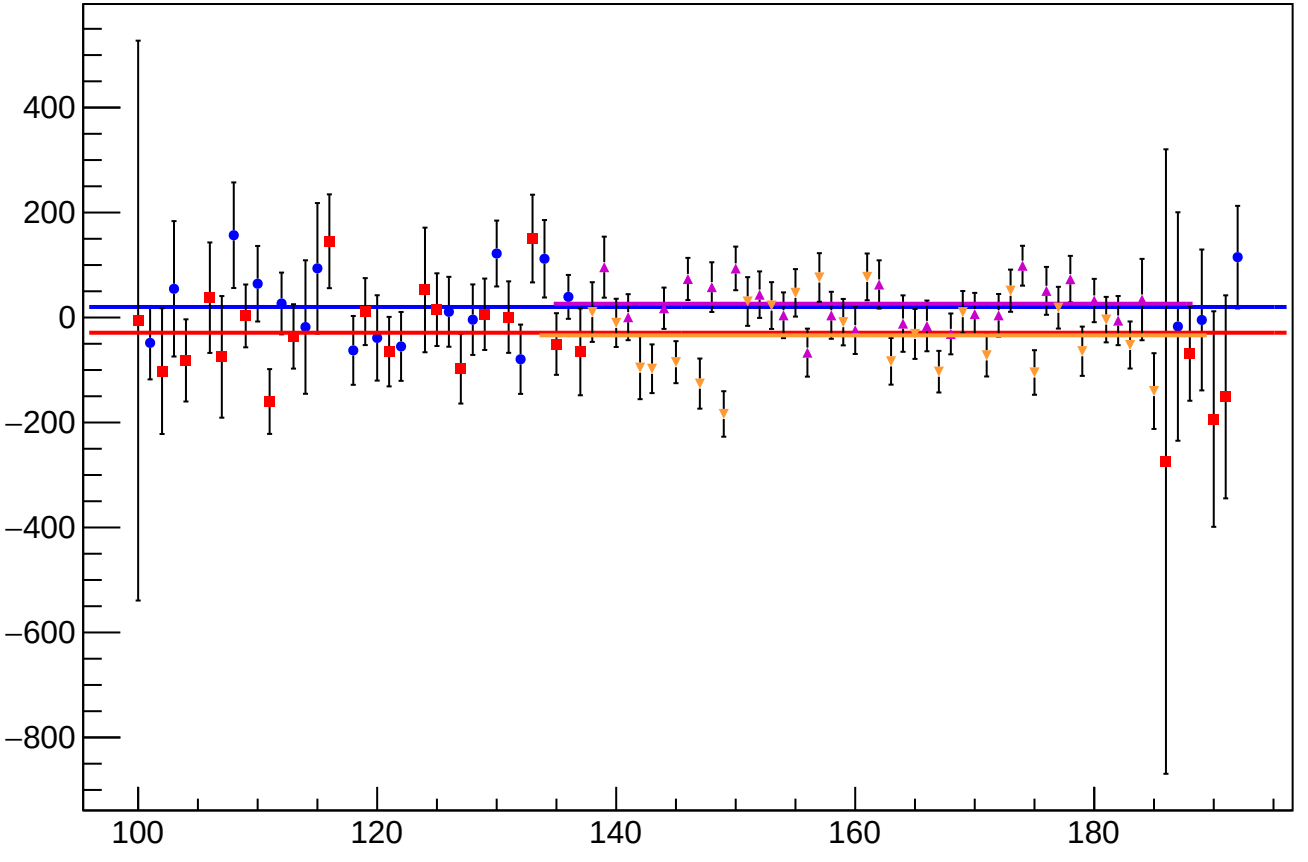
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 327.081+/-0.046 χ^2/NDF: 6034208.9/43

All: 328.535+/-0.033 χ^2/NDF: 12103679.5/89

- sign 330.052+/-0.047 χ^2/NDF: 6067446.8/45

eigen_cor_asym_sam_15_37_dd_mean vs Slug



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

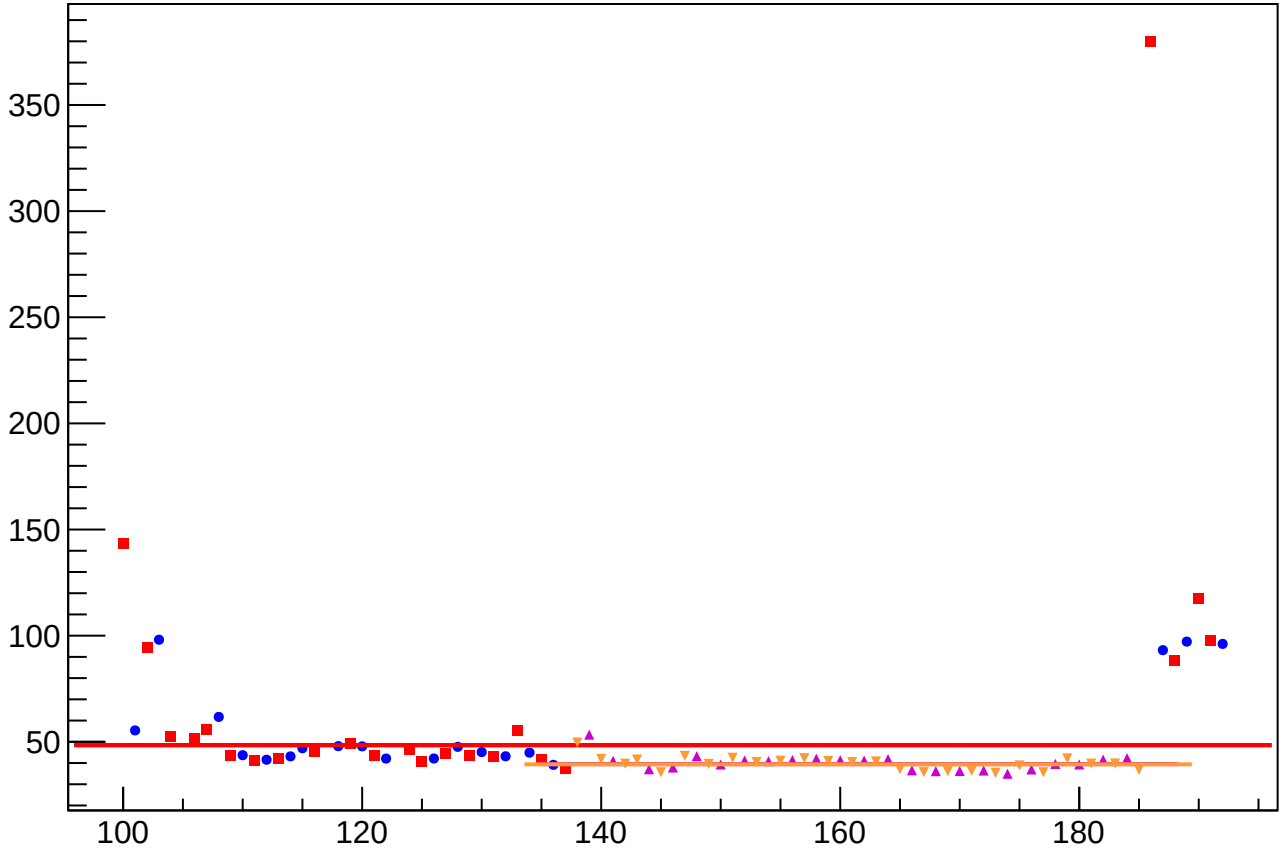
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -22.145+/-7.950 χ^2/NDF: 81.6/43

All: -4.723+/-5.684 χ^2/NDF: 141.5/89

- sign 13.489+/-8.128 χ^2/NDF: 50.1/45

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 48.369+/-0.012 χ^2/NDF: 1374407.2/18

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

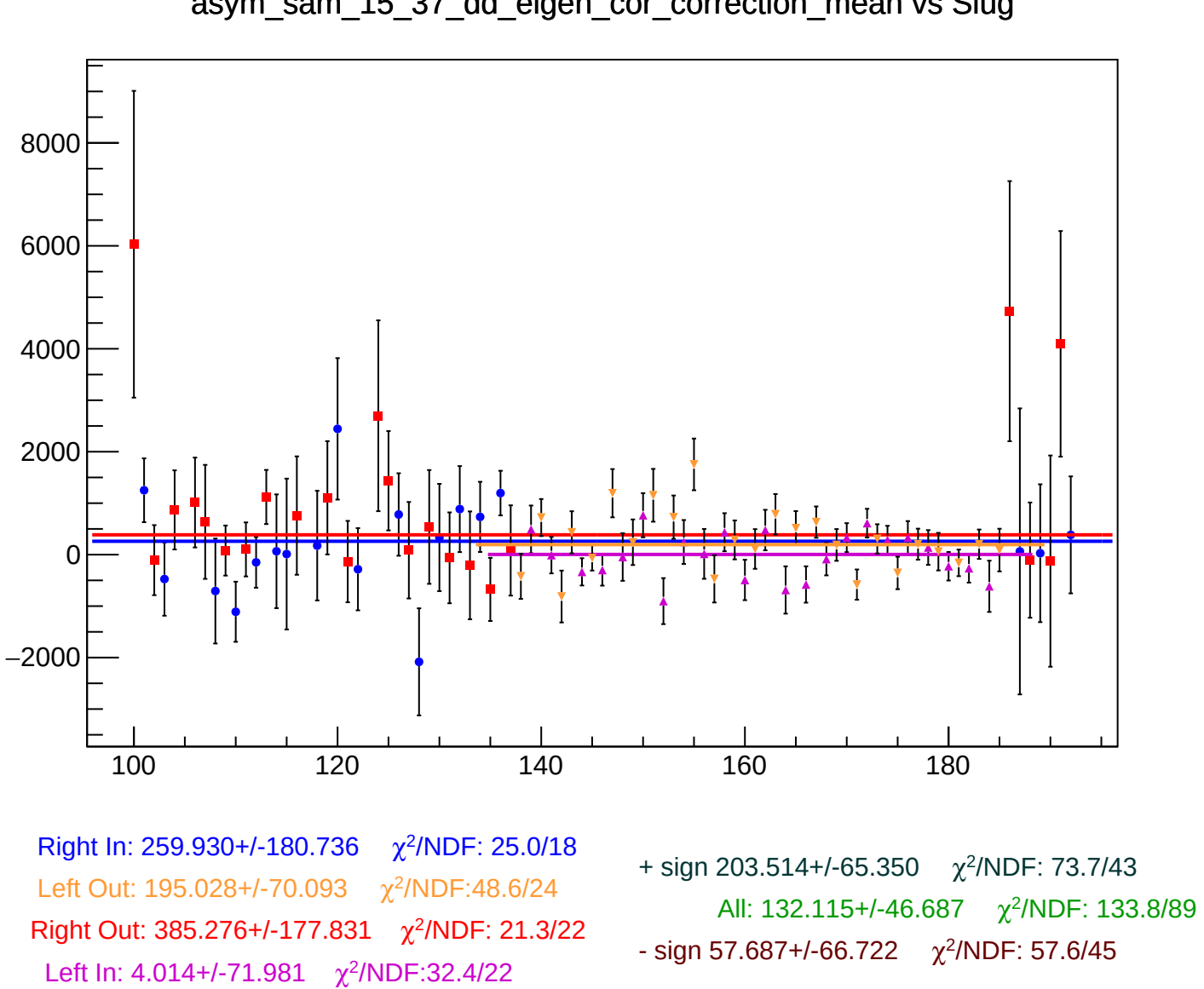
Right Out: 48.455+/-0.012 χ^2/NDF: 1945443.4/22

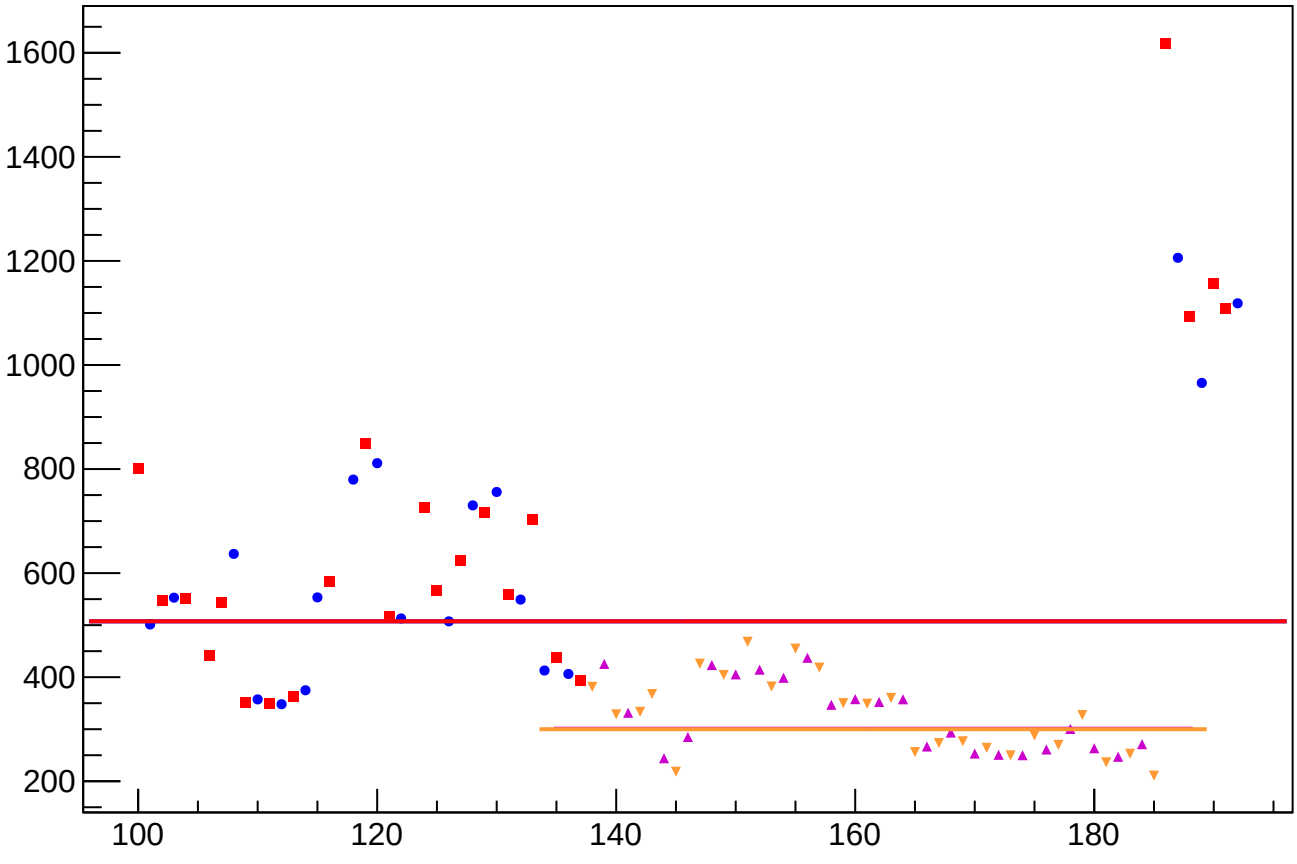
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.347+/-0.006 χ^2/NDF: 2039663.6/43

All: 41.453+/-0.004 χ^2/NDF: 4670259.9/89

- sign 41.565+/-0.006 χ^2/NDF: 2629858.4/45


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
Right In: 259.930+/-180.736 χ²/NDF: 25.0/18
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 385.276+/-177.831 χ²/NDF: 21.3/22
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 203.514+/-65.350 χ²/NDF: 73.7/43
All: 132.115+/-46.687 χ²/NDF: 133.8/89
- sign 57.687+/-66.722 χ²/NDF: 57.6/45



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

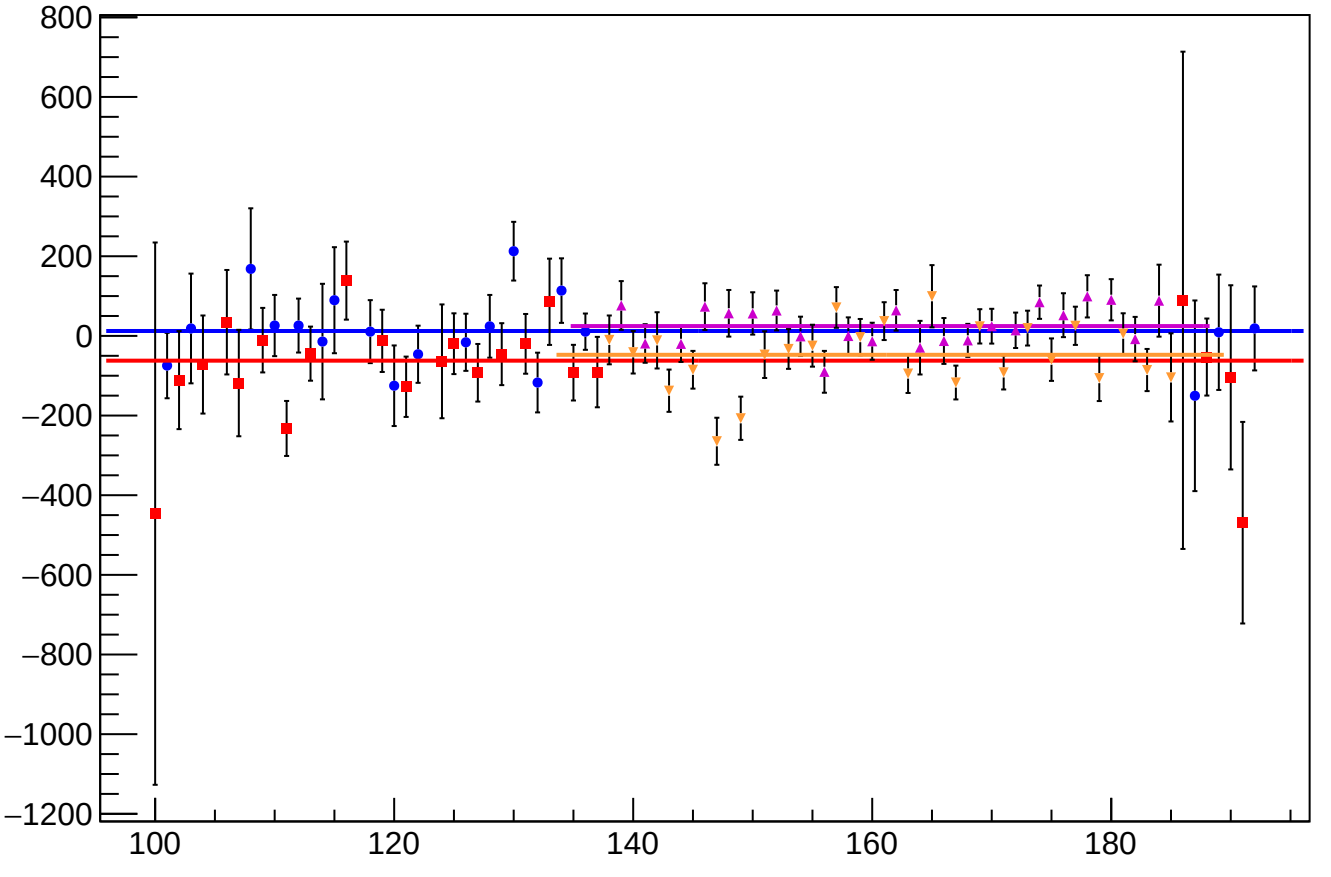
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 327.081+/-0.046 χ^2/NDF: 6034208.9/43

All: 328.535+/-0.033 χ^2/NDF: 12103679.5/89

- sign 330.052+/-0.047 χ^2/NDF: 6067446.8/45

dit_asym_sam_15_37_dd_mean vs Slug



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

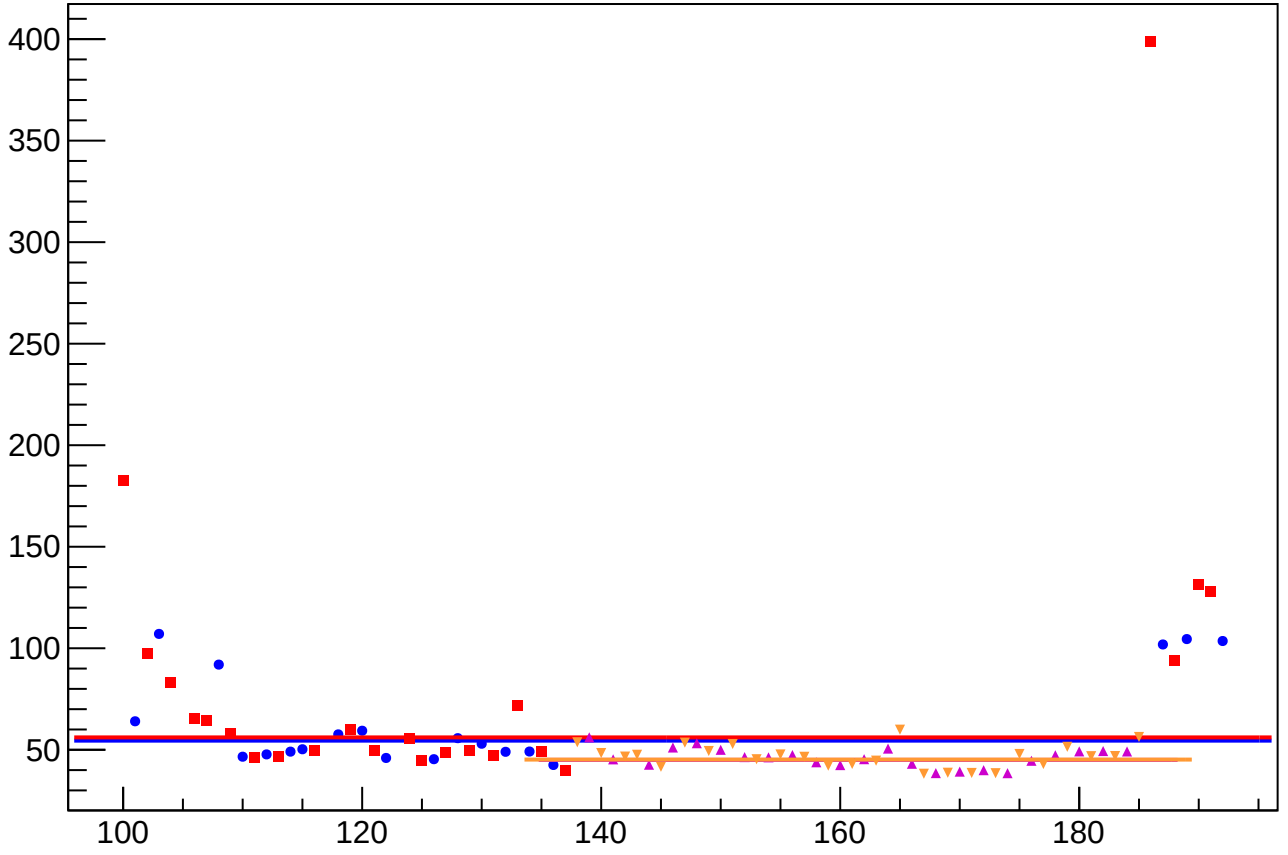
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.006+/-9.147 χ^2/NDF: 79.8/43

All: -14.997+/-6.546 χ^2/NDF: 142.3/89

- sign 4.957+/-9.371 χ^2/NDF: 53.6/45

dit_asym_sam_15_37_dd_rms vs Slug



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

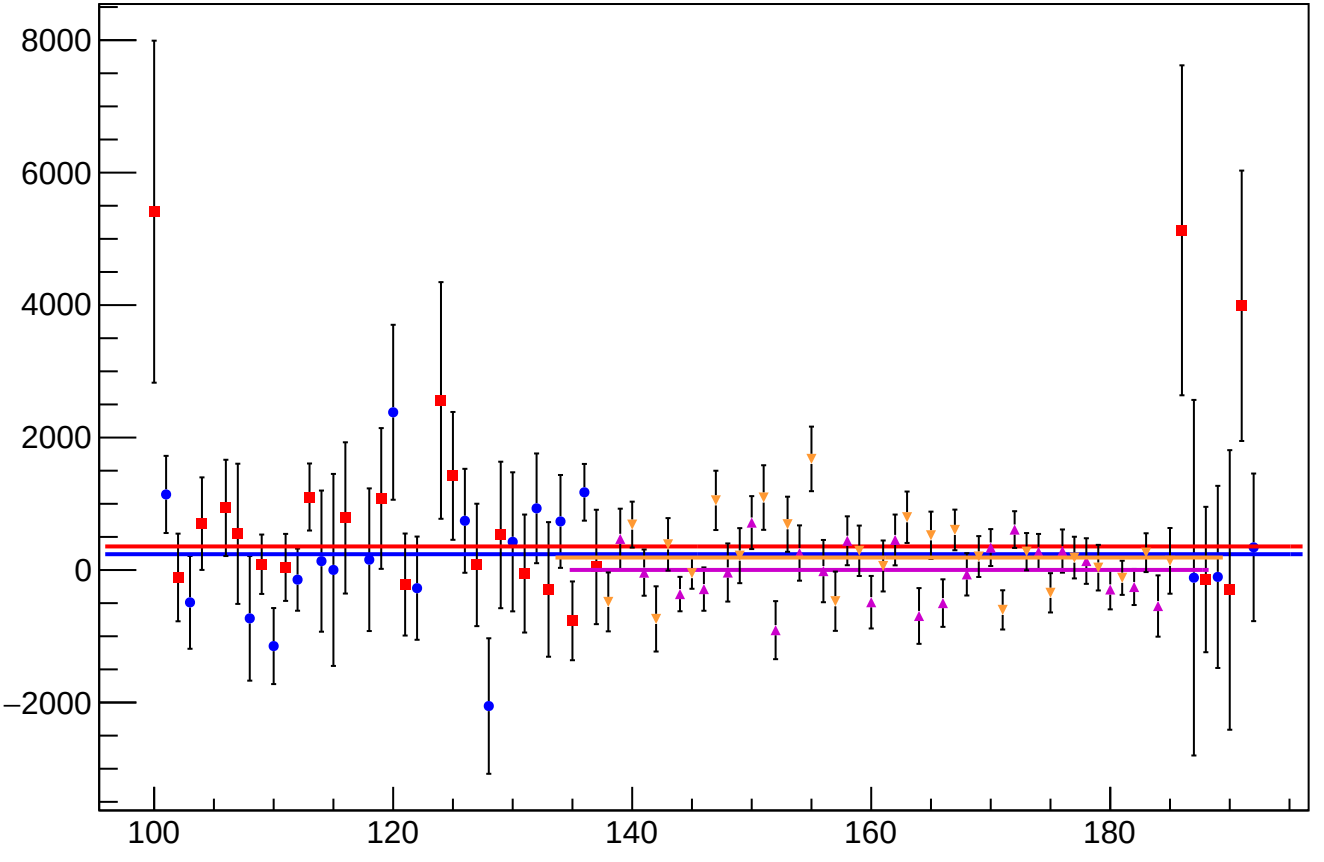
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 47.278+/-0.006 χ^2/NDF: 2316202.4/43

All: 47.403+/-0.005 χ^2/NDF: 5223721.1/89

- sign 47.534+/-0.007 χ^2/NDF: 2906754.5/45

asym_sam_15_37_dd_dit_correction_mean vs Slug



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

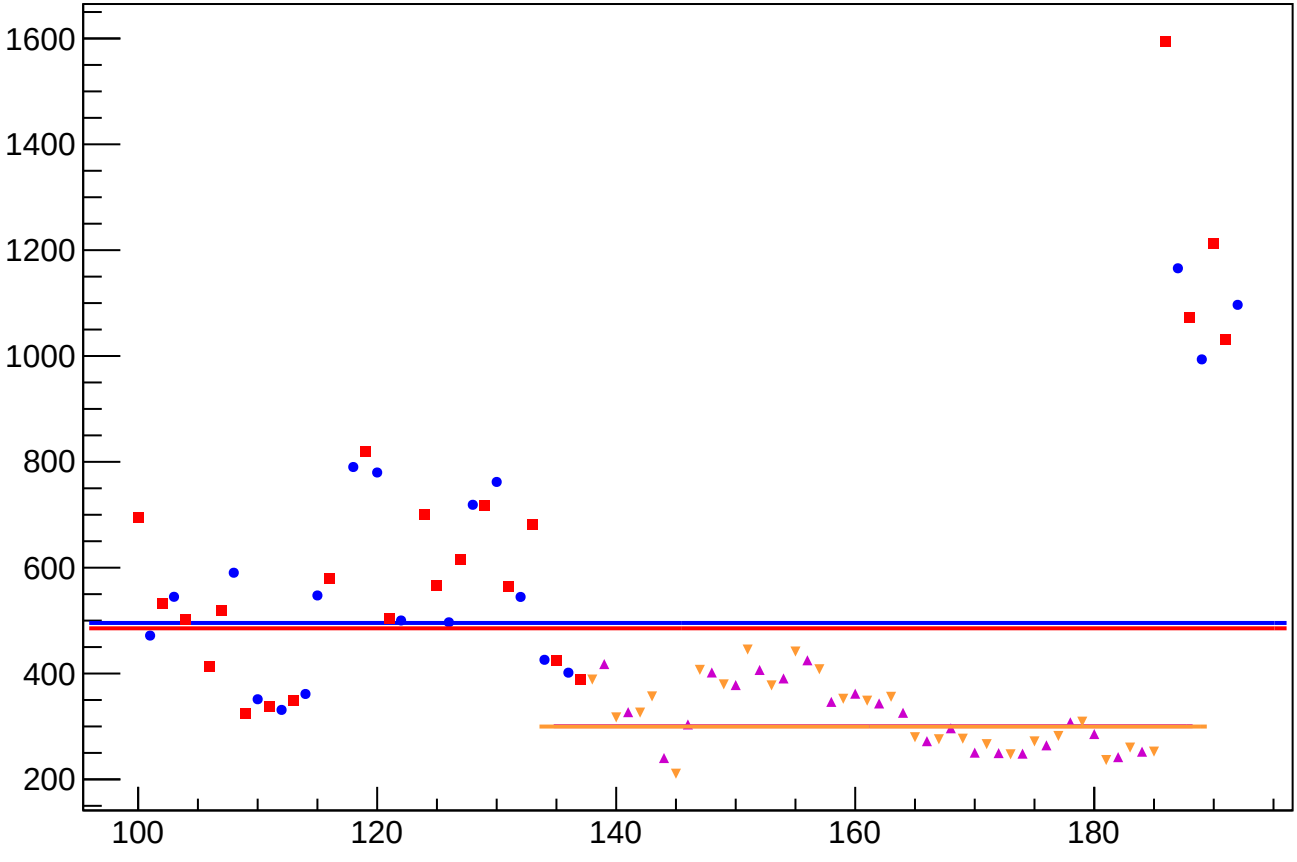
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 195.576+/-64.847 χ^2/NDF: 72.5/43

All: 126.720+/-46.280 χ^2/NDF: 134.4/89

- sign 55.240+/-66.071 χ^2/NDF: 59.6/45

asym_sam_15_37_dd_dit_correction_rms vs Slug



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

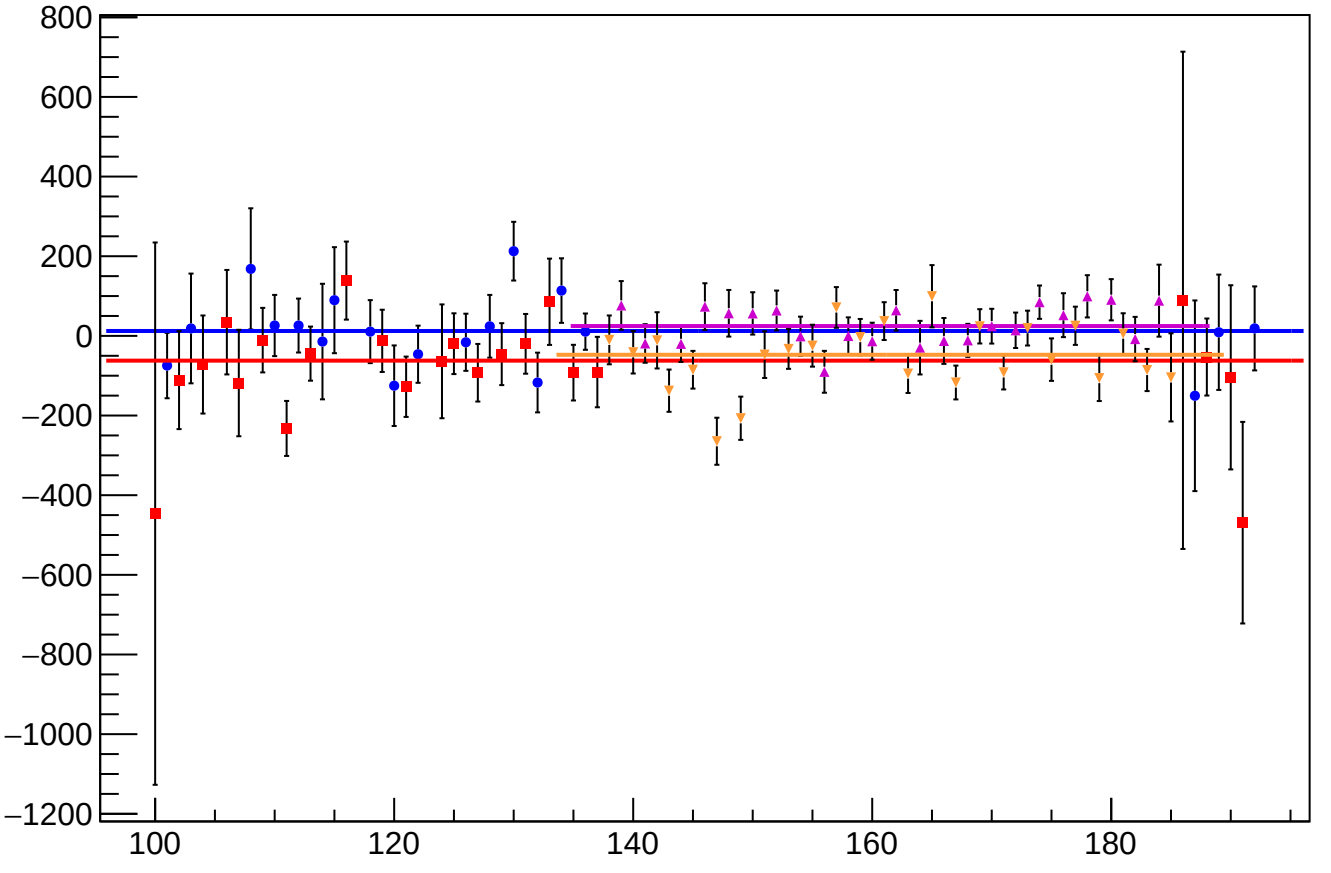
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 326.175+/-0.046 χ^2/NDF: 5700858.6/43

All: 327.311+/-0.033 χ^2/NDF: 11458447.0/89

- sign 328.490+/-0.047 χ^2/NDF: 5756338.6/45

eigen_dit_asym_sam_15_37_dd_mean vs Slug



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

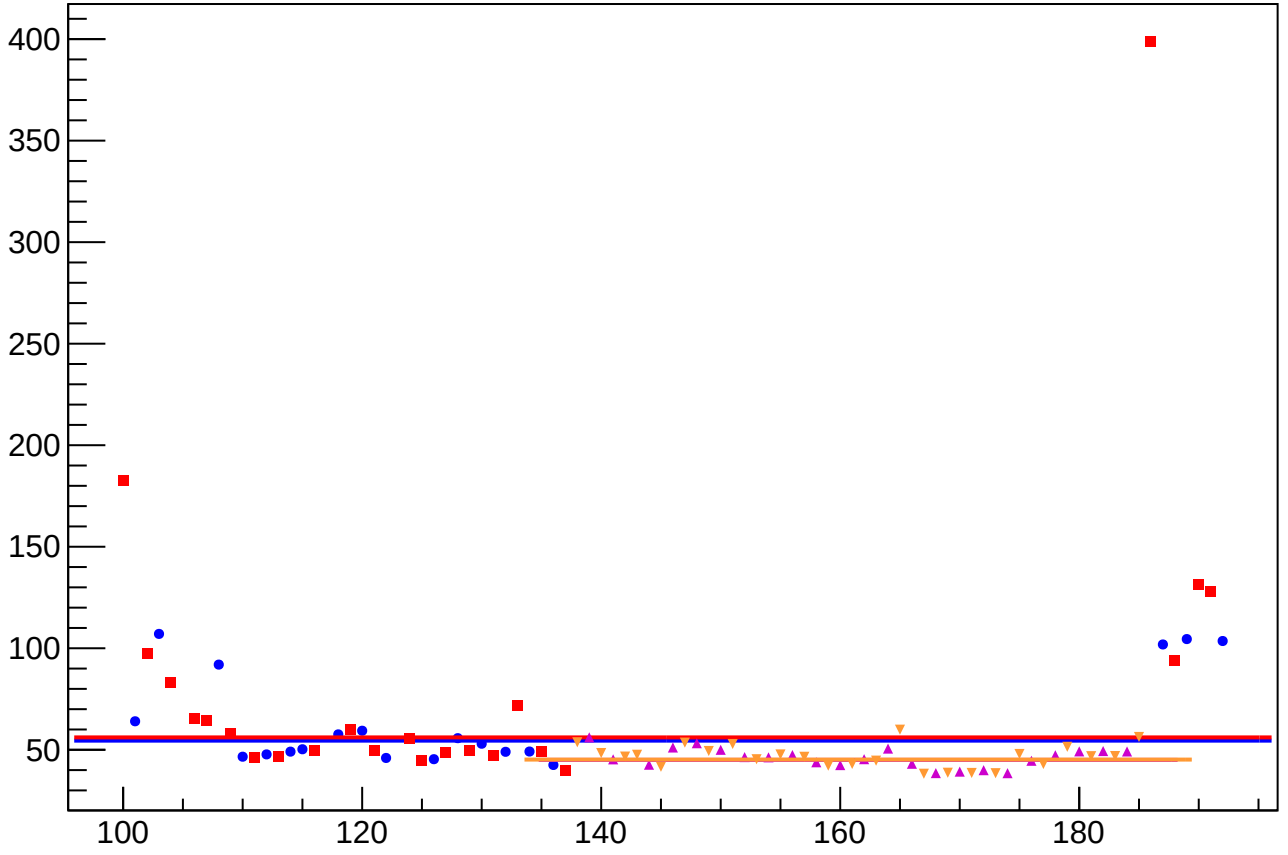
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.007+/-9.147 χ^2/NDF: 79.8/43

All: -14.997+/-6.546 χ^2/NDF: 142.3/89

- sign 4.957+/-9.371 χ^2/NDF: 53.6/45

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 54.510+/-0.014 χ^2/NDF: 1462769.0/18

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

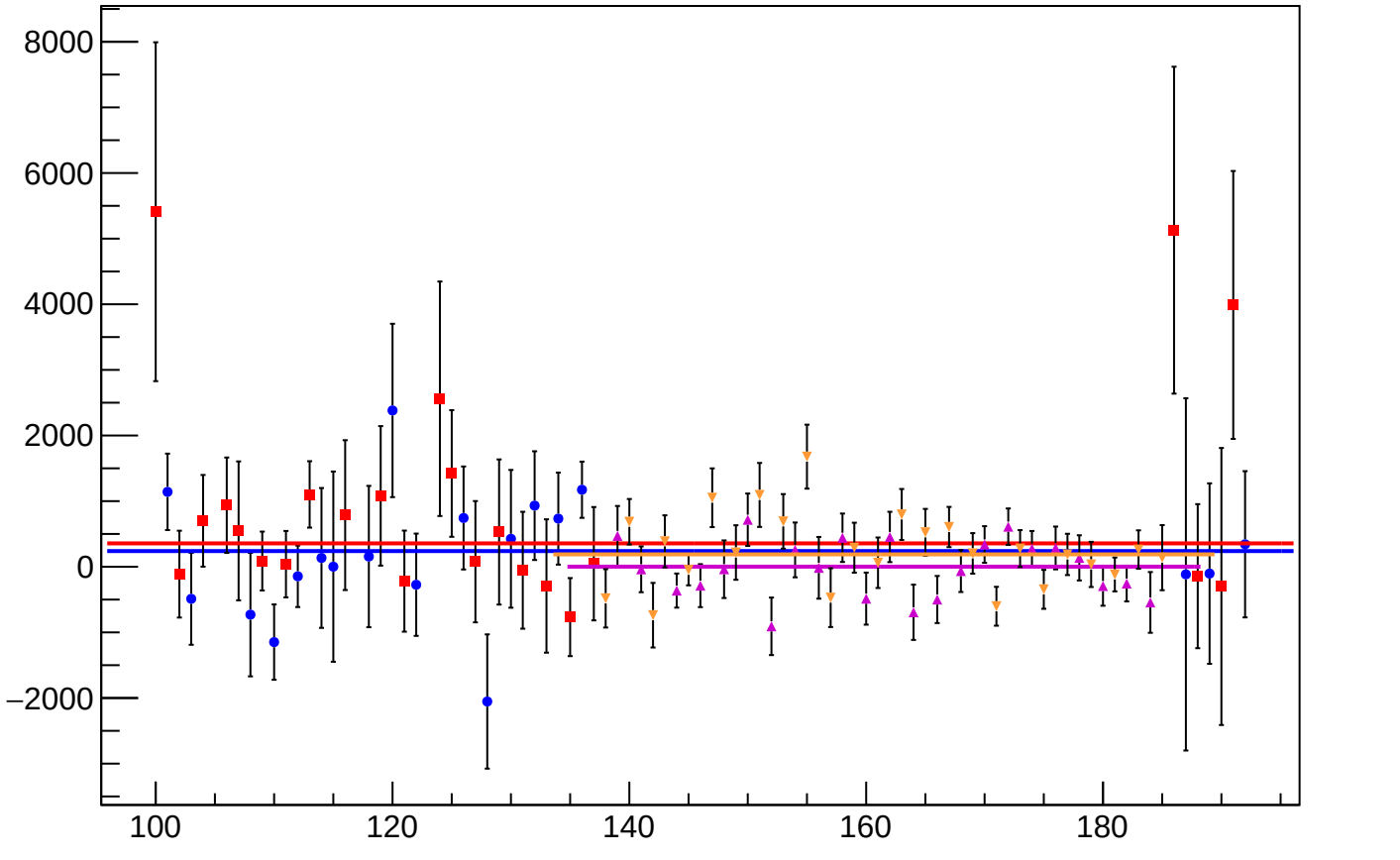
Right Out: 56.098+/-0.014 χ^2/NDF: 2043227.3/22

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 47.278+/-0.006 χ^2/NDF: 2316211.6/43

All: 47.403+/-0.005 χ^2/NDF: 5223745.1/89

- sign 47.534+/-0.007 χ^2/NDF: 2906769.1/45



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

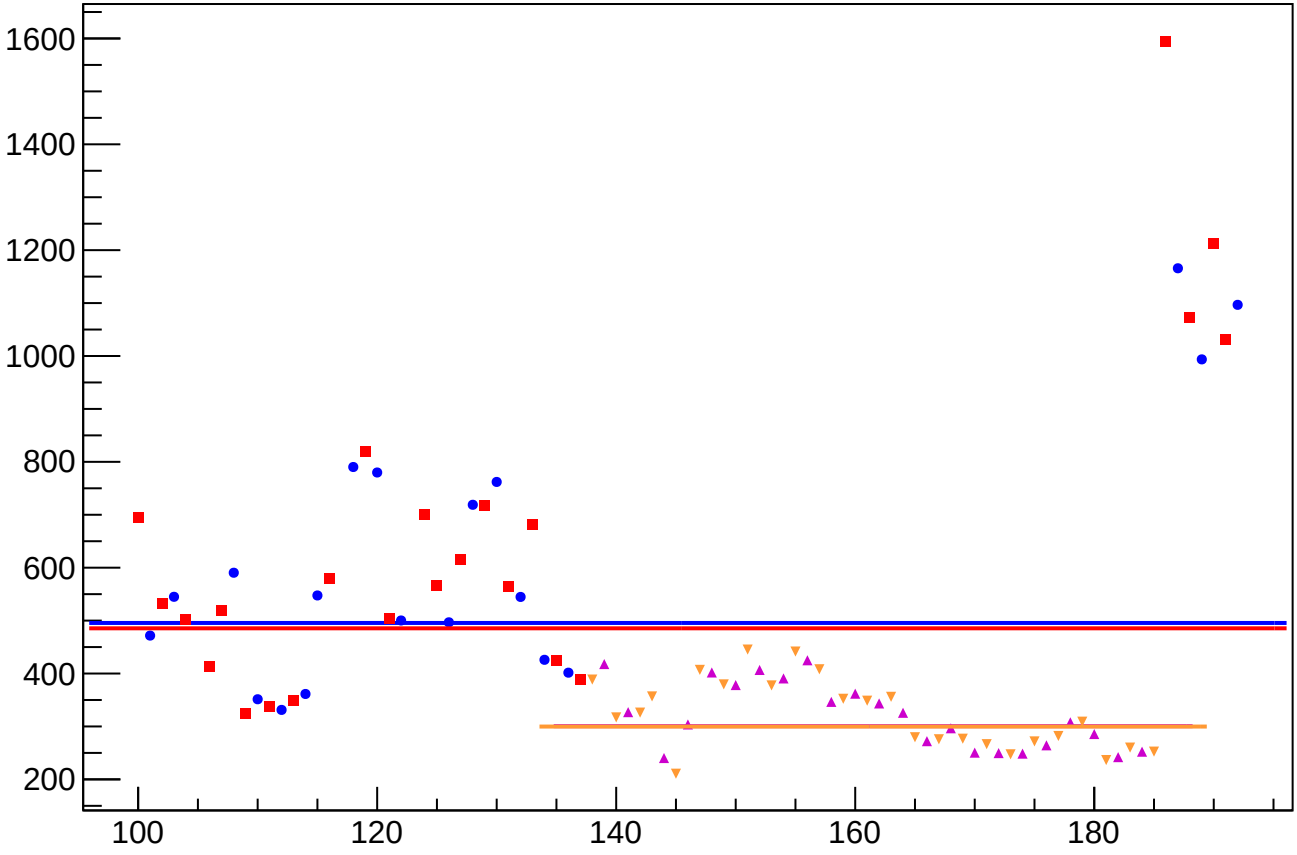
Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 195.576+/-64.847 χ^2/NDF: 72.5/43

All: 126.719+/-46.281 χ^2/NDF: 134.4/89

- sign 55.240+/-66.071 χ^2/NDF: 59.6/45

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



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

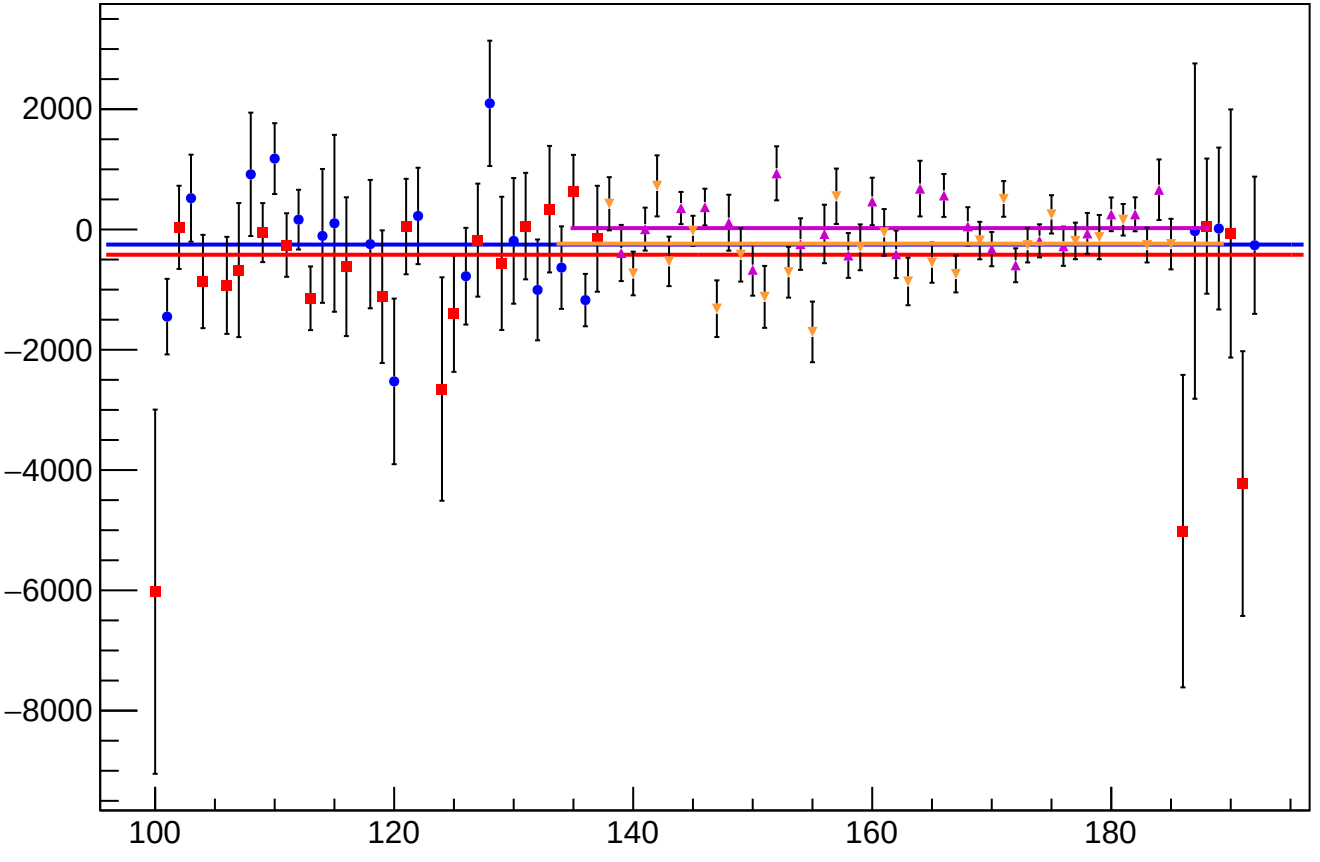
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 326.176+/-0.046 χ^2/NDF: 5700845.7/43

All: 327.311+/-0.033 χ^2/NDF: 11458404.7/89

- sign 328.490+/-0.047 χ^2/NDF: 5756308.9/45

asym_sam_15_37_dd_mean vs Slug



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

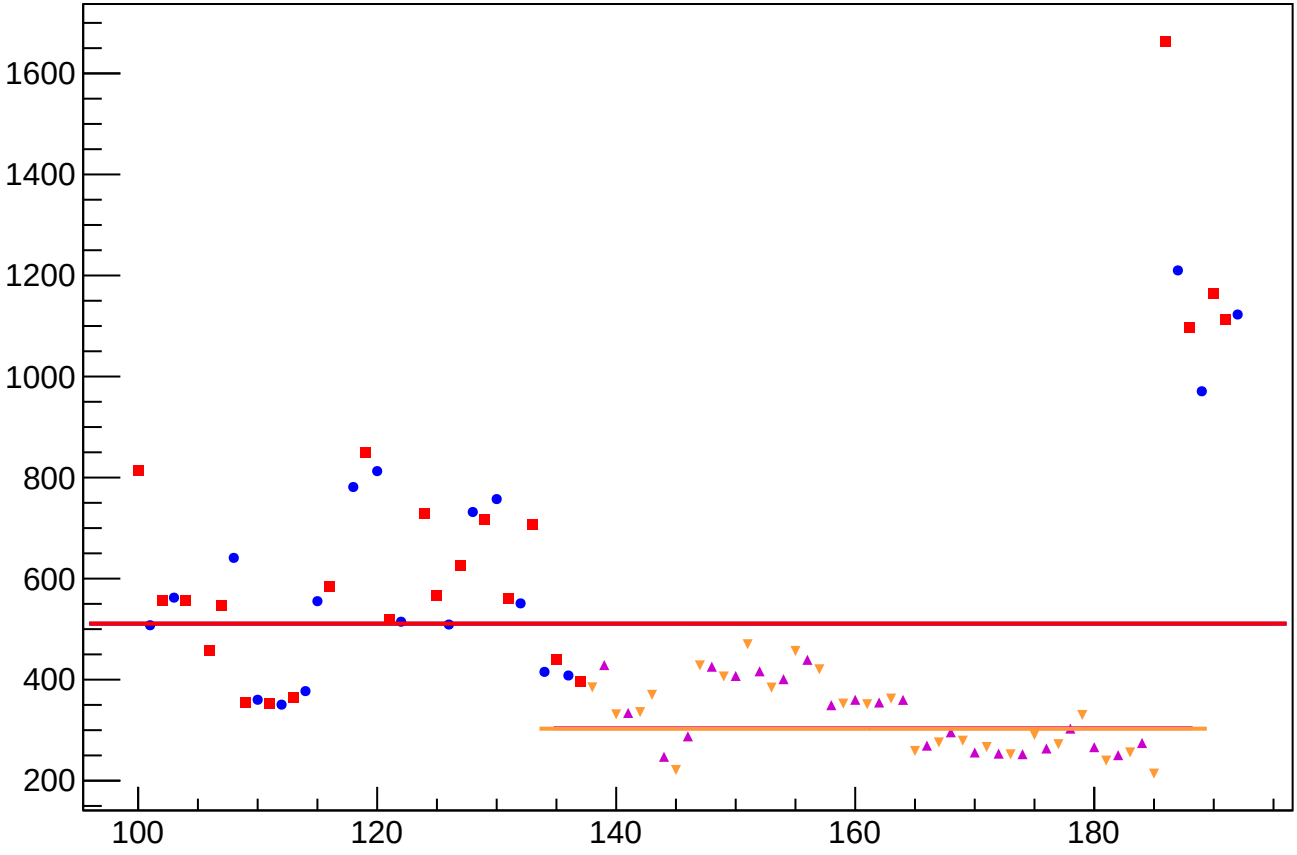
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -237.238+/-65.932 χ^2/NDF: 74.4/43

All: -140.770+/-47.088 χ^2/NDF: 134.5/89

- sign -40.337+/-67.274 χ^2/NDF: 55.7/45

asym_sam_15_37_dd_rms vs Slug



Right In: 510.820+/-0.129 χ^2/NDF: 1927701.4/18

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

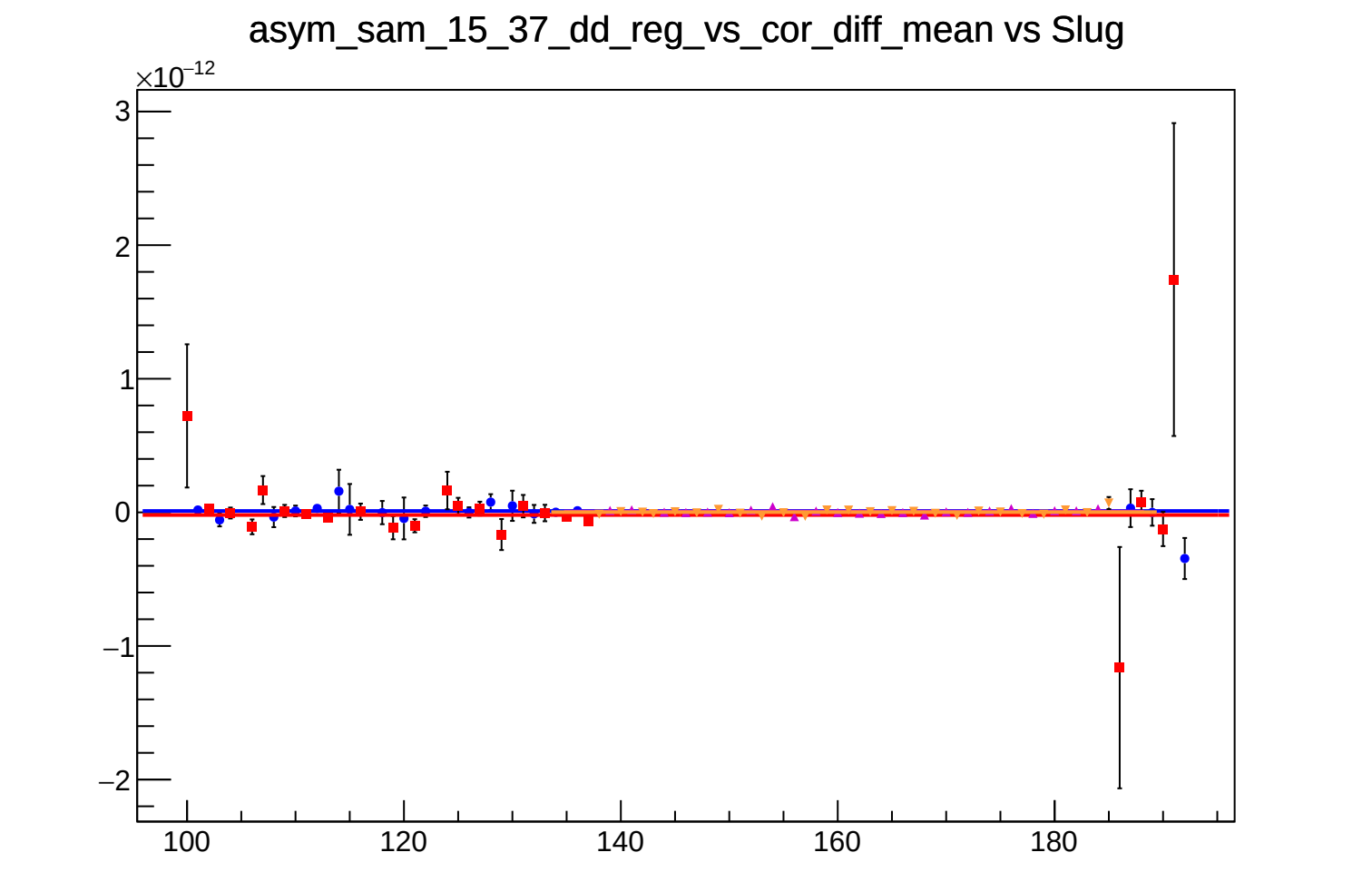
Right Out: 510.930+/-0.126 χ^2/NDF: 2338282.8/22

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

\+ sign 330.244+/-0.047 χ^2/NDF: 5961874.5/43

All: 331.785+/-0.033 χ^2/NDF: 11990476.1/89

\- sign 333.389+/-0.048 χ^2/NDF: 6026373.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

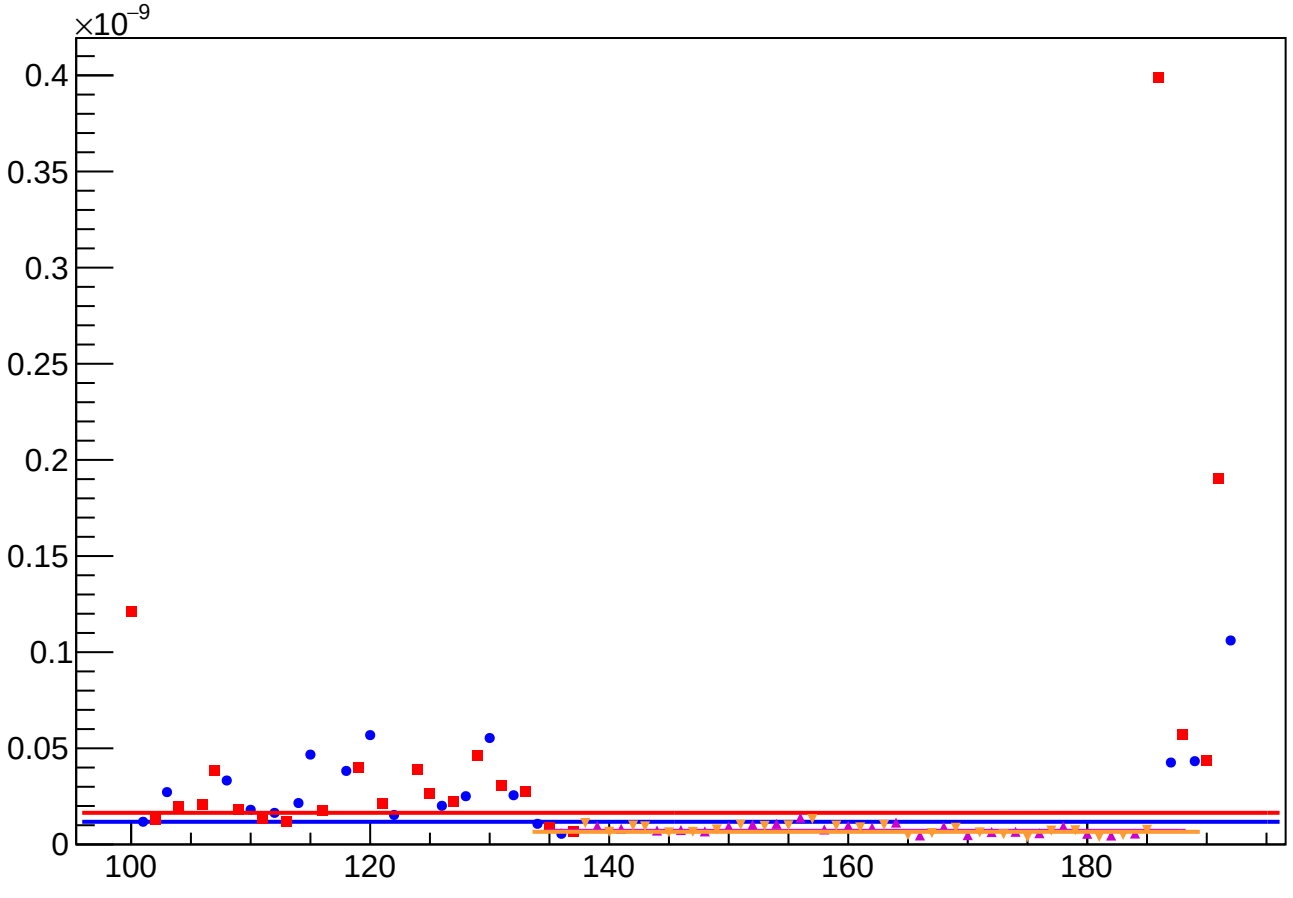
Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/22

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.7/43

All: 0.000+/-0.000 χ^2/NDF: 88.8/89

- sign 0.000+/-0.000 χ^2/NDF: 53.8/45



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

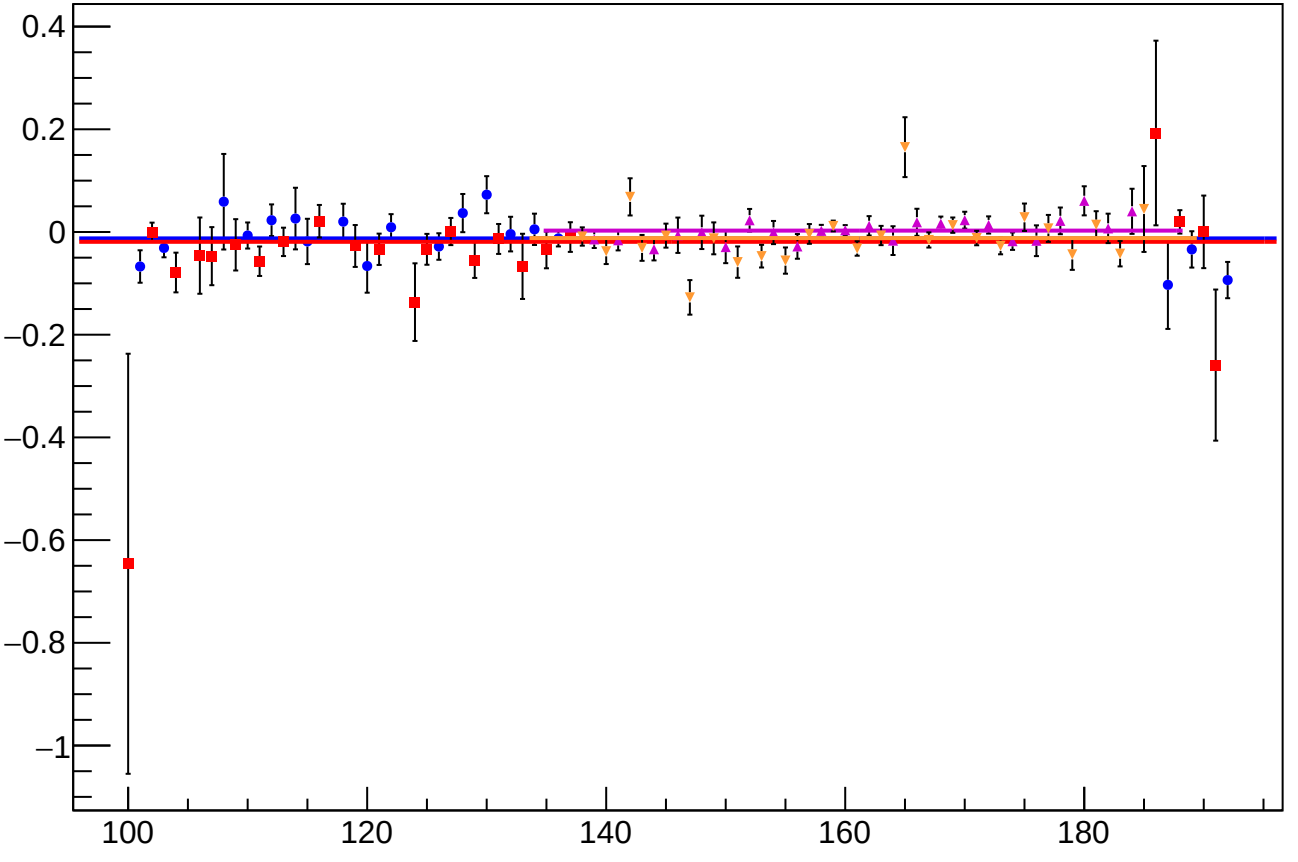
Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5417070.5/43

All: 0.000+/-0.000 χ^2/NDF: 10212778.5/89

- sign 0.000+/-0.000 χ^2/NDF: 4727042.0/45

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



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

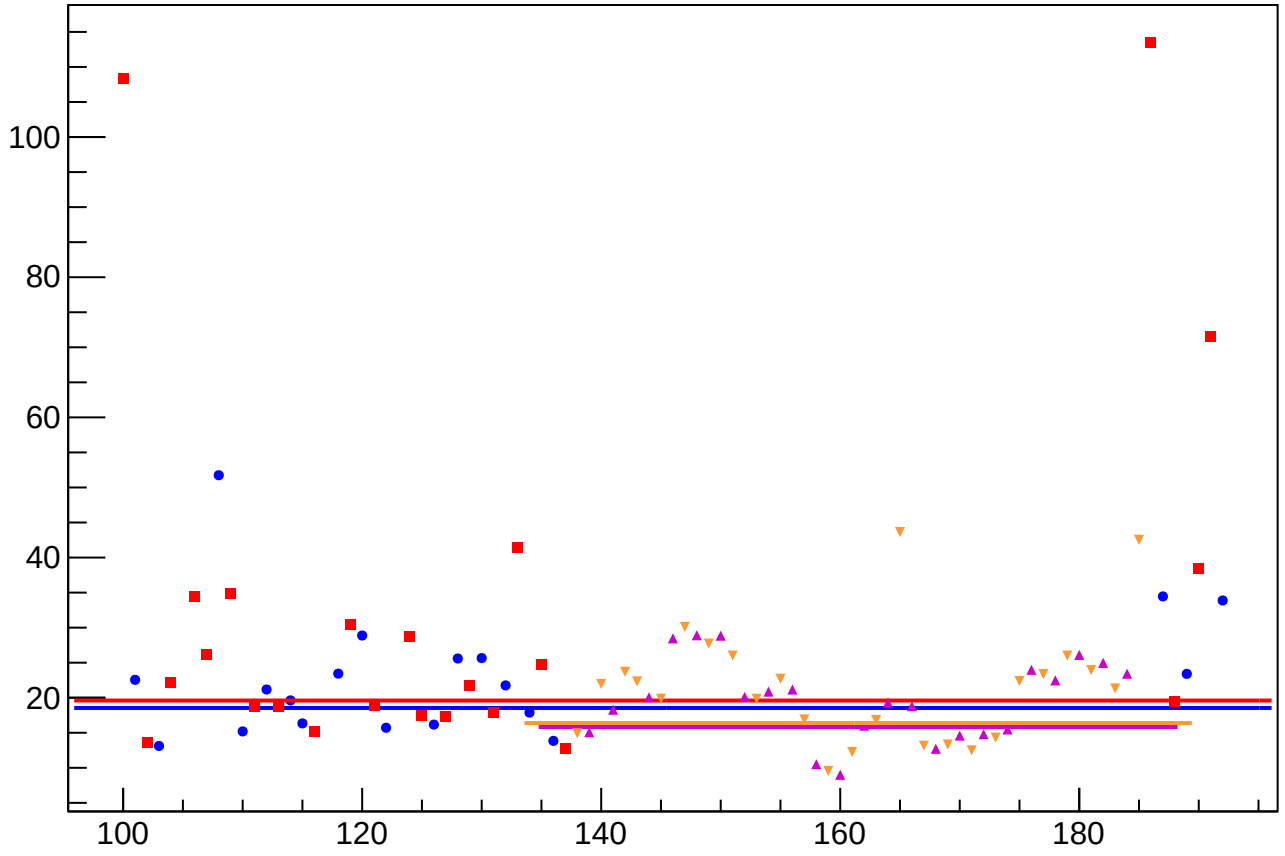
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.004 χ^2/NDF: 77.4/43

All: -0.007+/-0.002 χ^2/NDF: 129.7/89

- sign -0.002+/-0.004 χ^2/NDF: 48.6/45

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 18.542+/-0.005 χ^2/NDF: 1511446.5/18

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

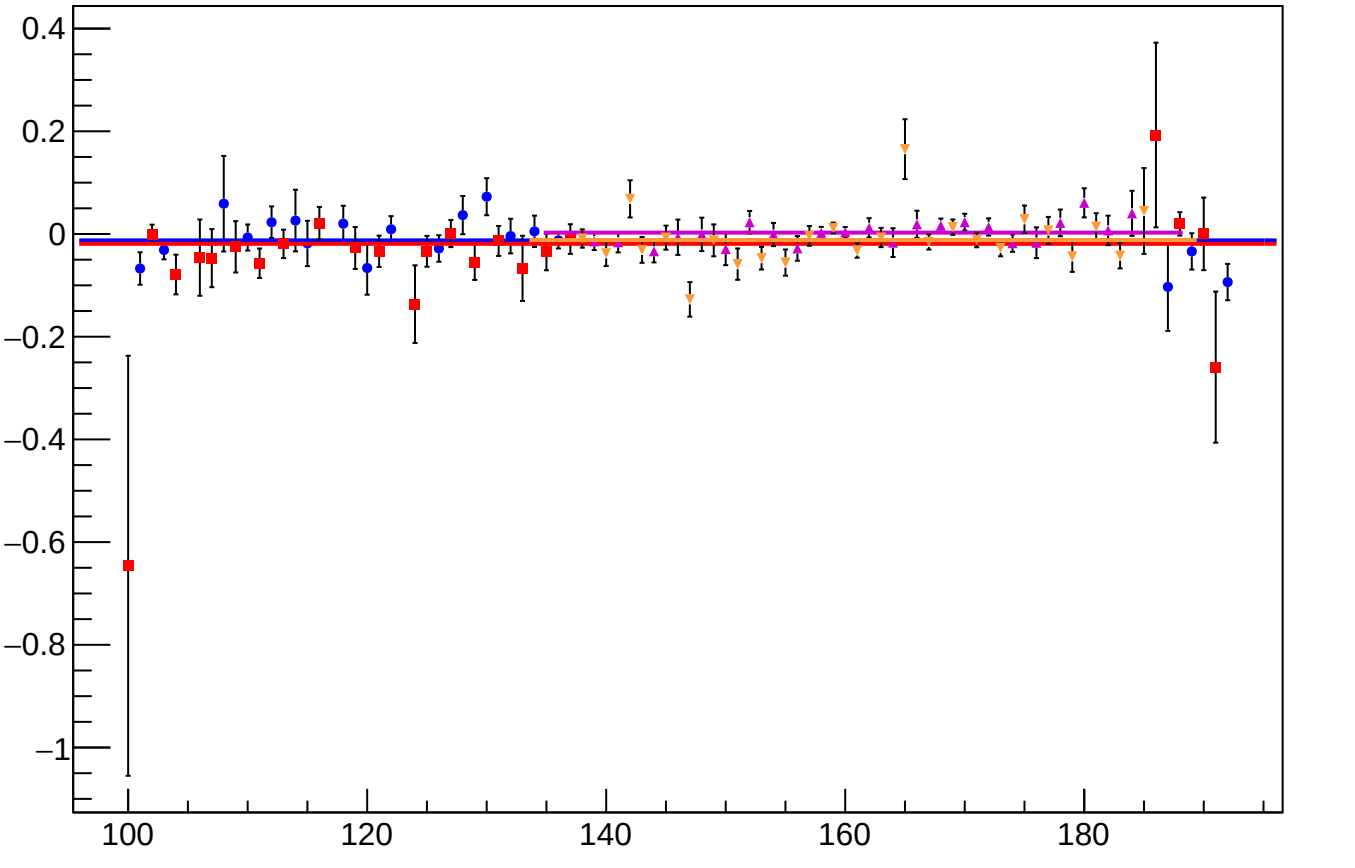
Right Out: 19.602+/-0.005 χ^2/NDF: 2193524.6/22

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 16.943+/-0.002 χ^2/NDF: 5686288.3/43

All: 16.829+/-0.002 χ^2/NDF: 11950579.3/89

- sign 16.714+/-0.002 χ^2/NDF: 6260033.8/45



Right In: -0.012+/-0.007 χ^2/NDF: 23.9/18

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

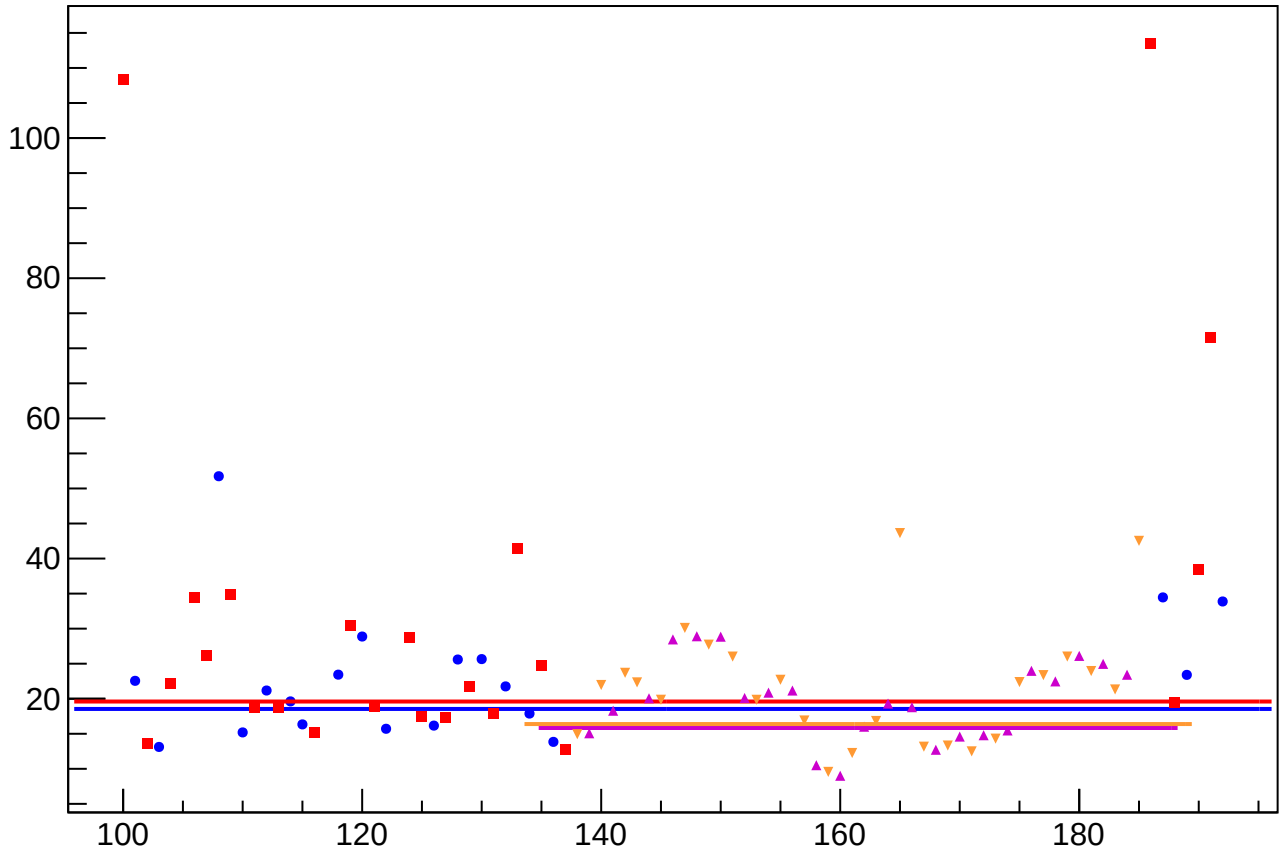
Right Out: -0.019+/-0.007 χ^2/NDF: 22.0/22

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.004 χ^2/NDF: 77.4/43

All: -0.007+/-0.002 χ^2/NDF: 129.7/89

- sign -0.002+/-0.004 χ^2/NDF: 48.6/45



Right In: 18.542+/-0.005 χ^2/NDF: 1511446.5/18

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

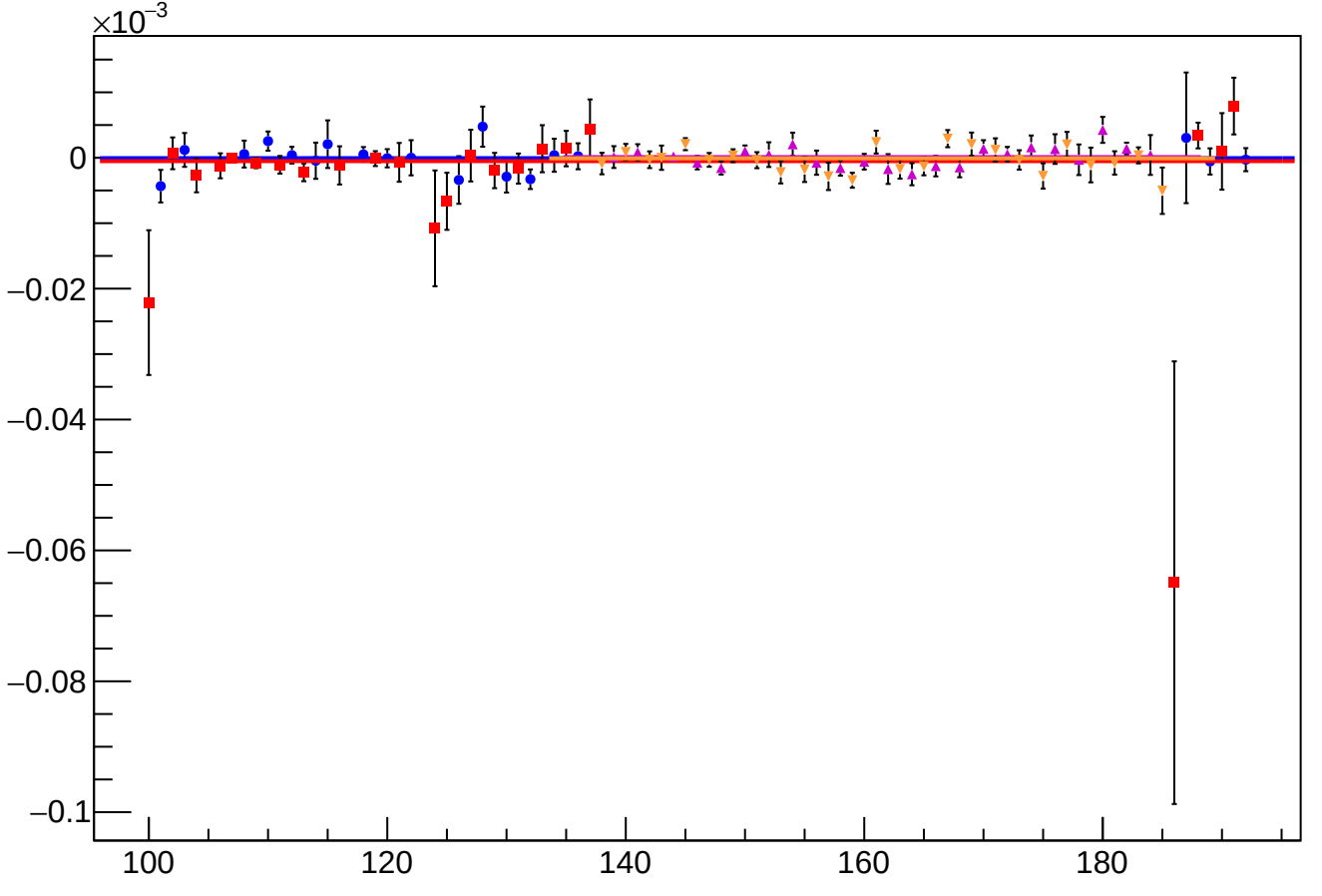
Right Out: 19.602+/-0.005 χ^2/NDF: 2193524.6/22

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 16.943+/-0.002 χ^2/NDF: 5686288.3/43

All: 16.829+/-0.002 χ^2/NDF: 11950579.3/89

\- sign 16.714+/-0.002 χ^2/NDF: 6260033.8/45



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

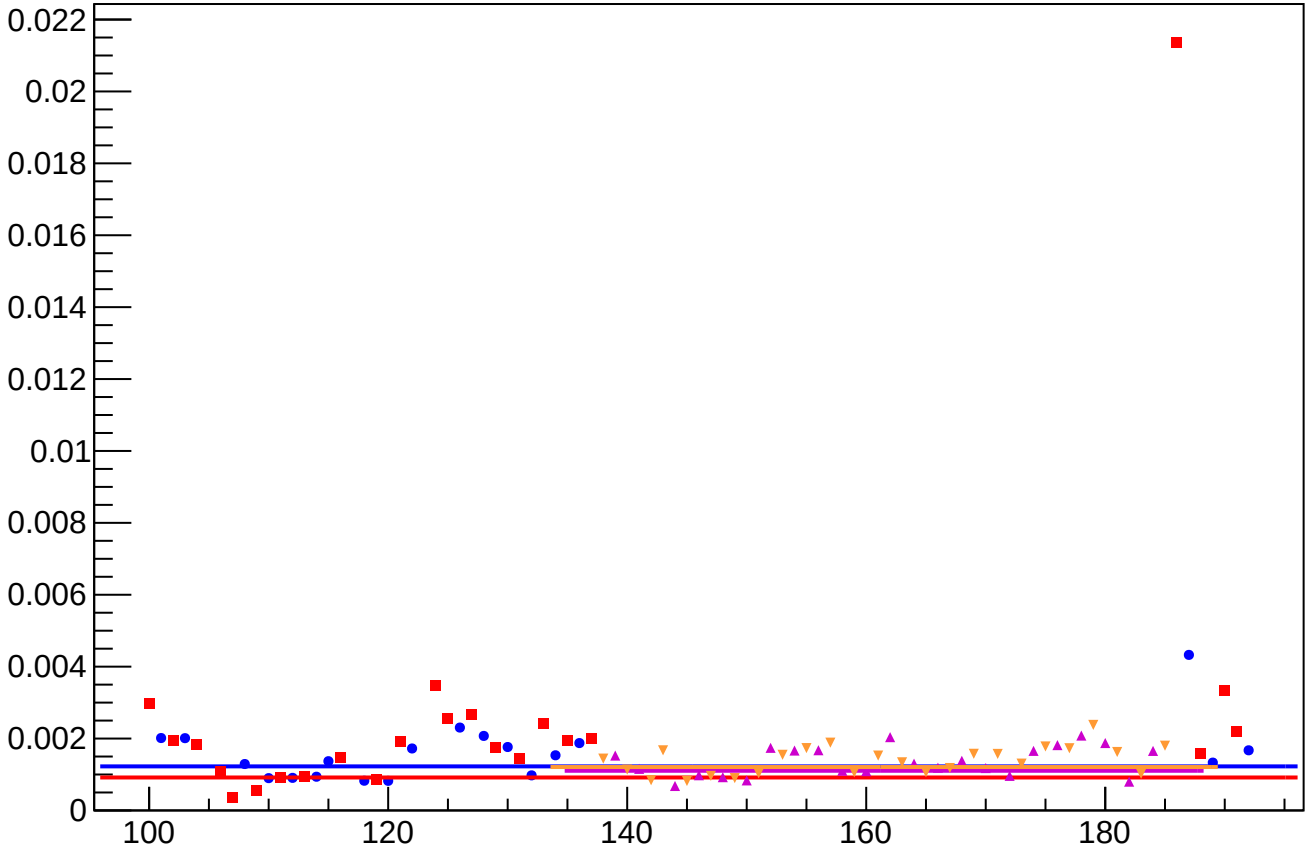
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.8/43

All: -0.000+/-0.000 χ^2/NDF: 101.2/89

- sign -0.000+/-0.000 χ^2/NDF: 48.3/45

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2173107.0/18

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

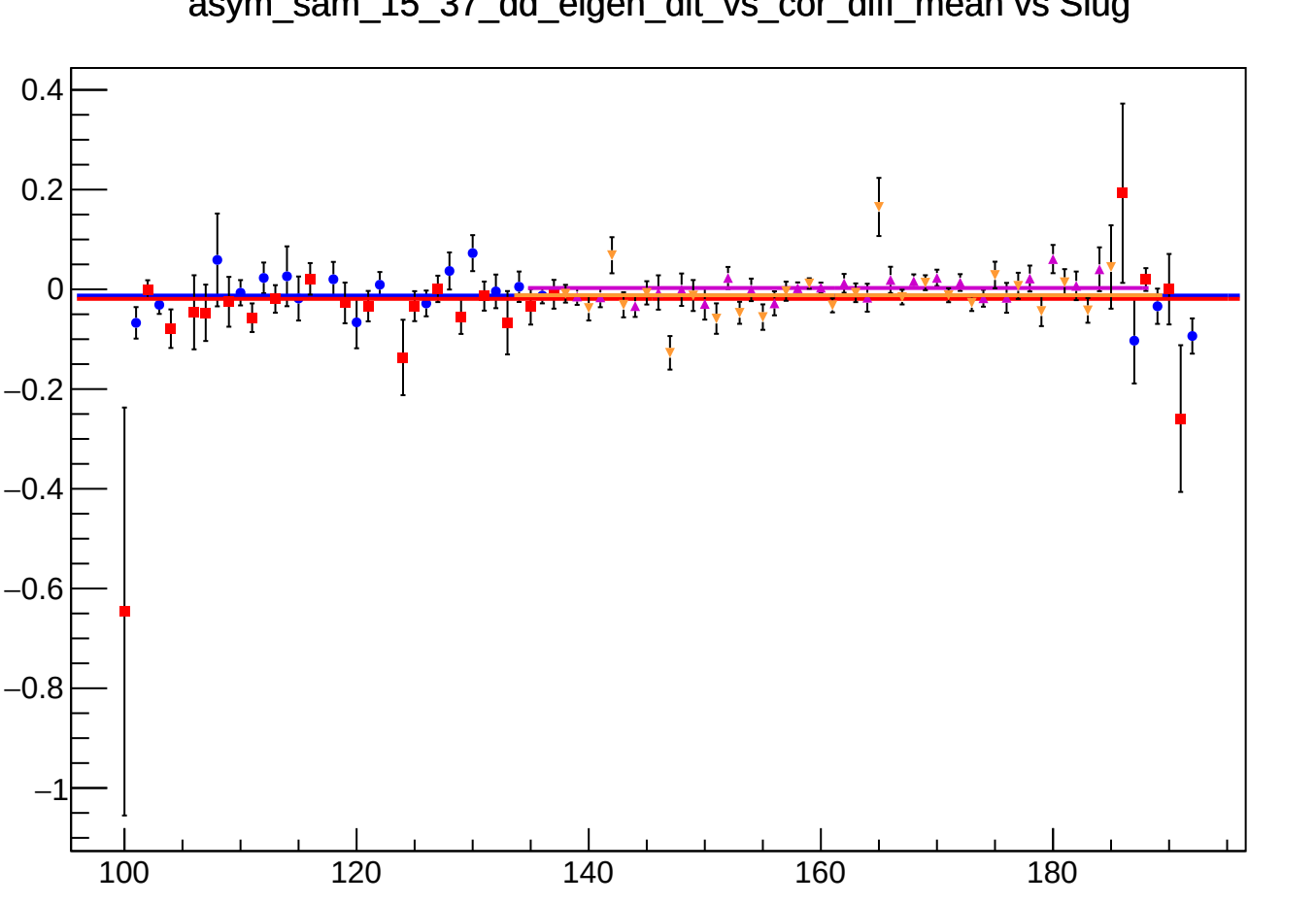
Right Out: 0.001+/-0.000 χ^2/NDF: 5940522.1/22

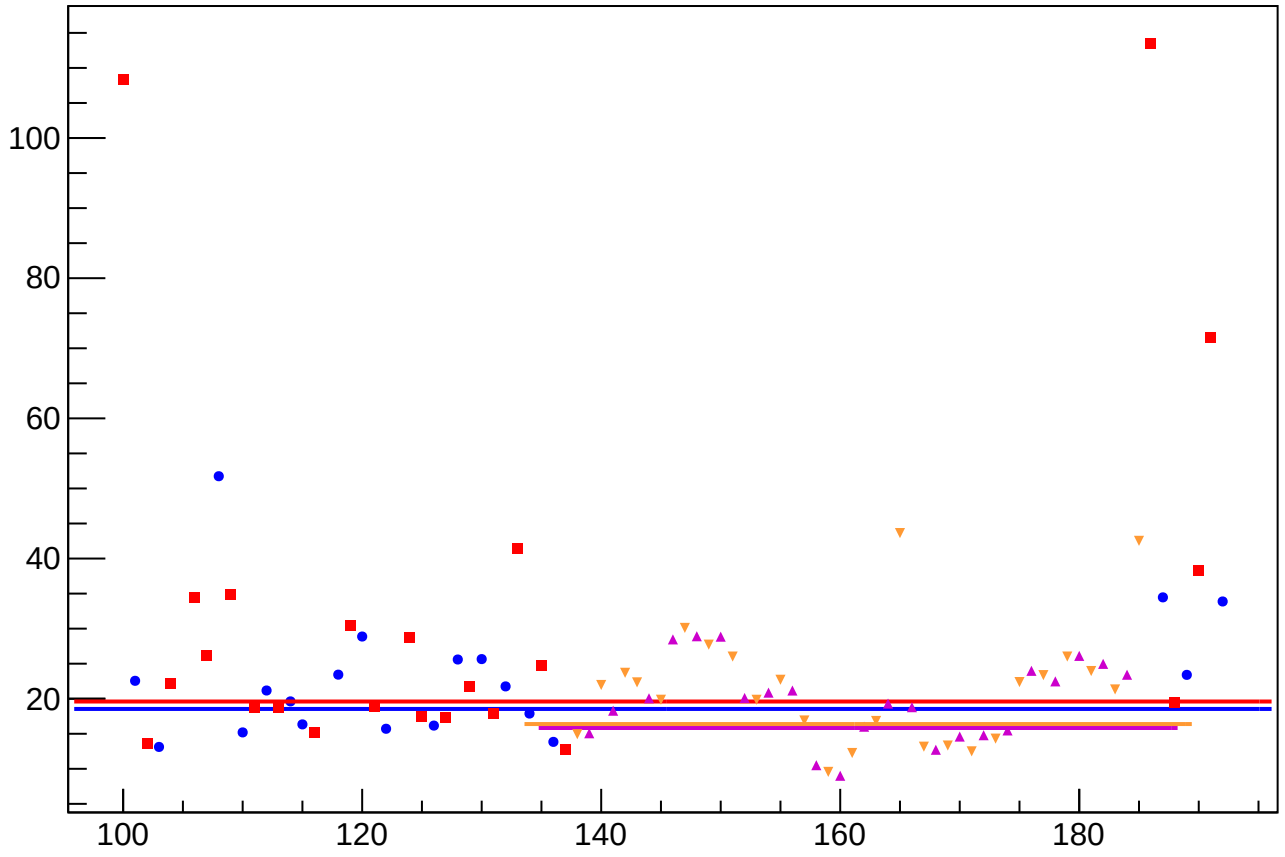
Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 4896434.7/43

All: 0.001+/-0.000 χ^2/NDF: 15229476.2/89

- sign 0.001+/-0.000 χ^2/NDF: 9763294.2/45


asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
120
140
160
180
Right In: -0.012+/-0.007 χ²/NDF: 23.9/18
Left Out: -0.012+/-0.004 χ²/NDF:53.4/24
Right Out: -0.019+/-0.007 χ²/NDF: 22.0/22
Left In: 0.003+/-0.004 χ²/NDF:19.8/22
+ sign -0.012+/-0.004 χ²/NDF: 77.4/43
All: -0.007+/-0.002 χ²/NDF: 129.7/89
- sign -0.002+/-0.004 χ²/NDF: 48.6/45



Right In: 18.542+/-0.005 χ^2/NDF: 1511495.4/18

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

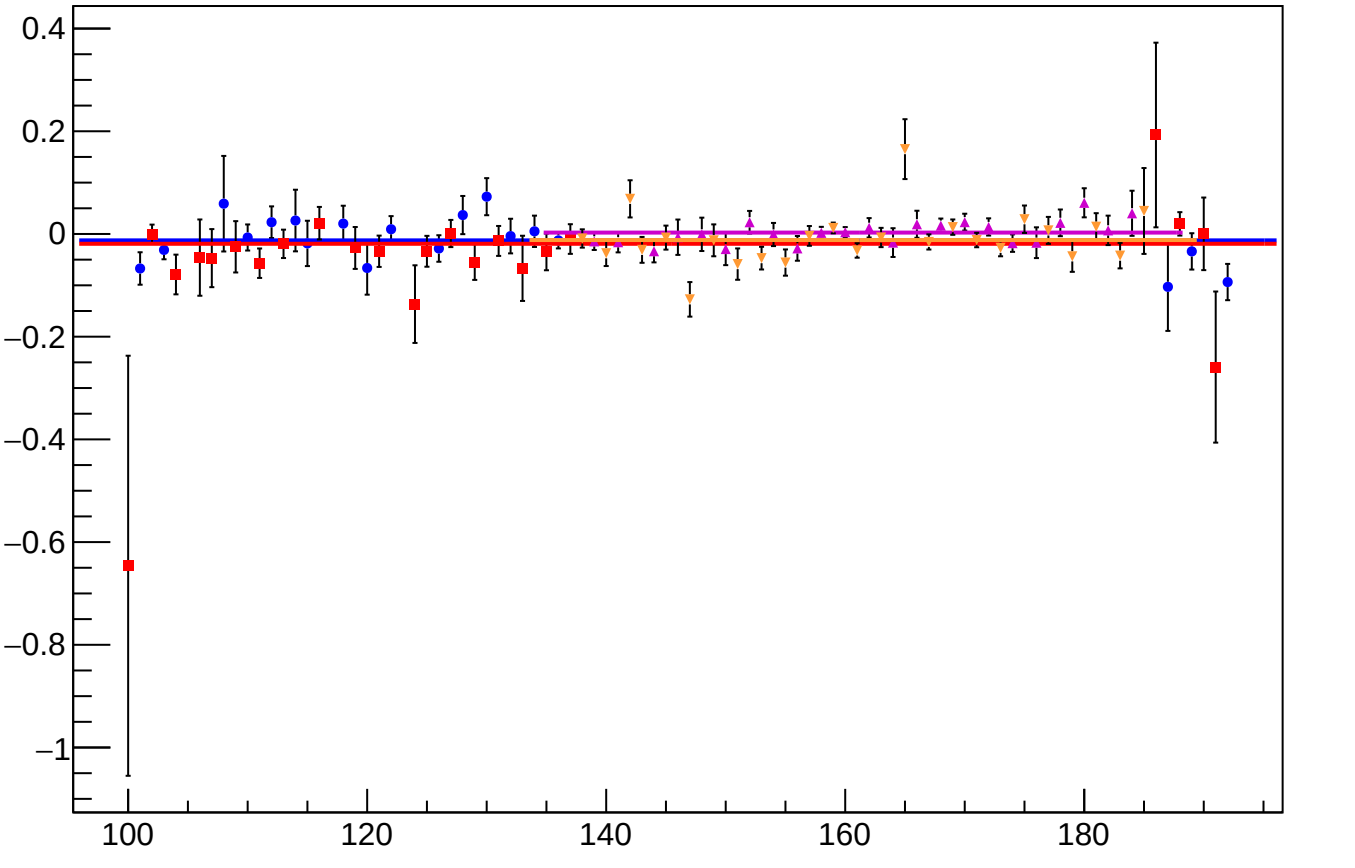
Right Out: 19.602+/-0.005 χ^2/NDF: 2193398.9/22

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

\+ sign 16.943+/-0.002 χ^2/NDF: 5686622.9/43

All: 16.829+/-0.002 χ^2/NDF: 11951310.7/89

\- sign 16.714+/-0.002 χ^2/NDF: 6260431.5/45



Right In: -0.012+/-0.007 χ^2/NDF: 23.9/18

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

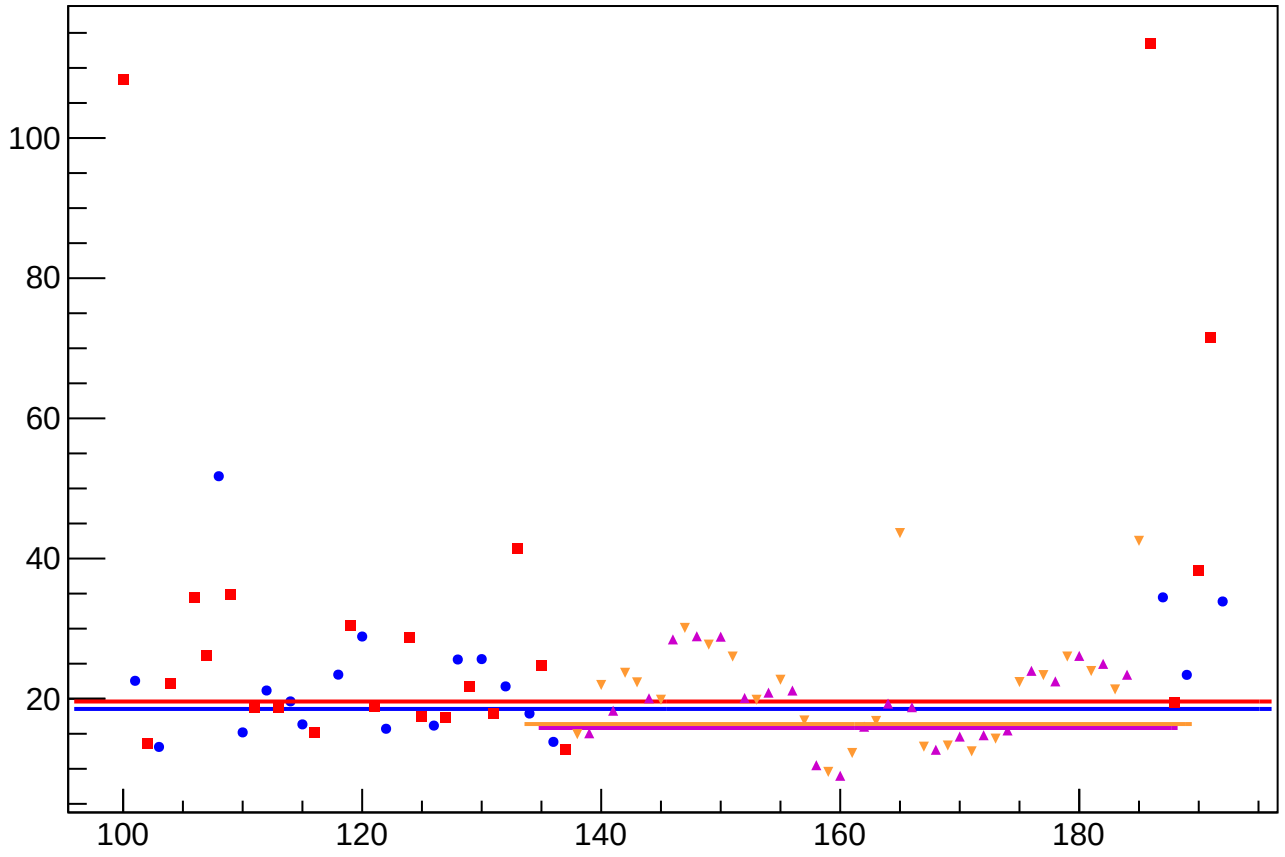
Right Out: -0.019+/-0.007 χ^2/NDF: 22.0/22

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.004 χ^2/NDF: 77.4/43

All: -0.007+/-0.002 χ^2/NDF: 129.7/89

- sign -0.002+/-0.004 χ^2/NDF: 48.6/45



Right In: 18.542+/-0.005 χ^2/NDF: 1511495.4/18

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

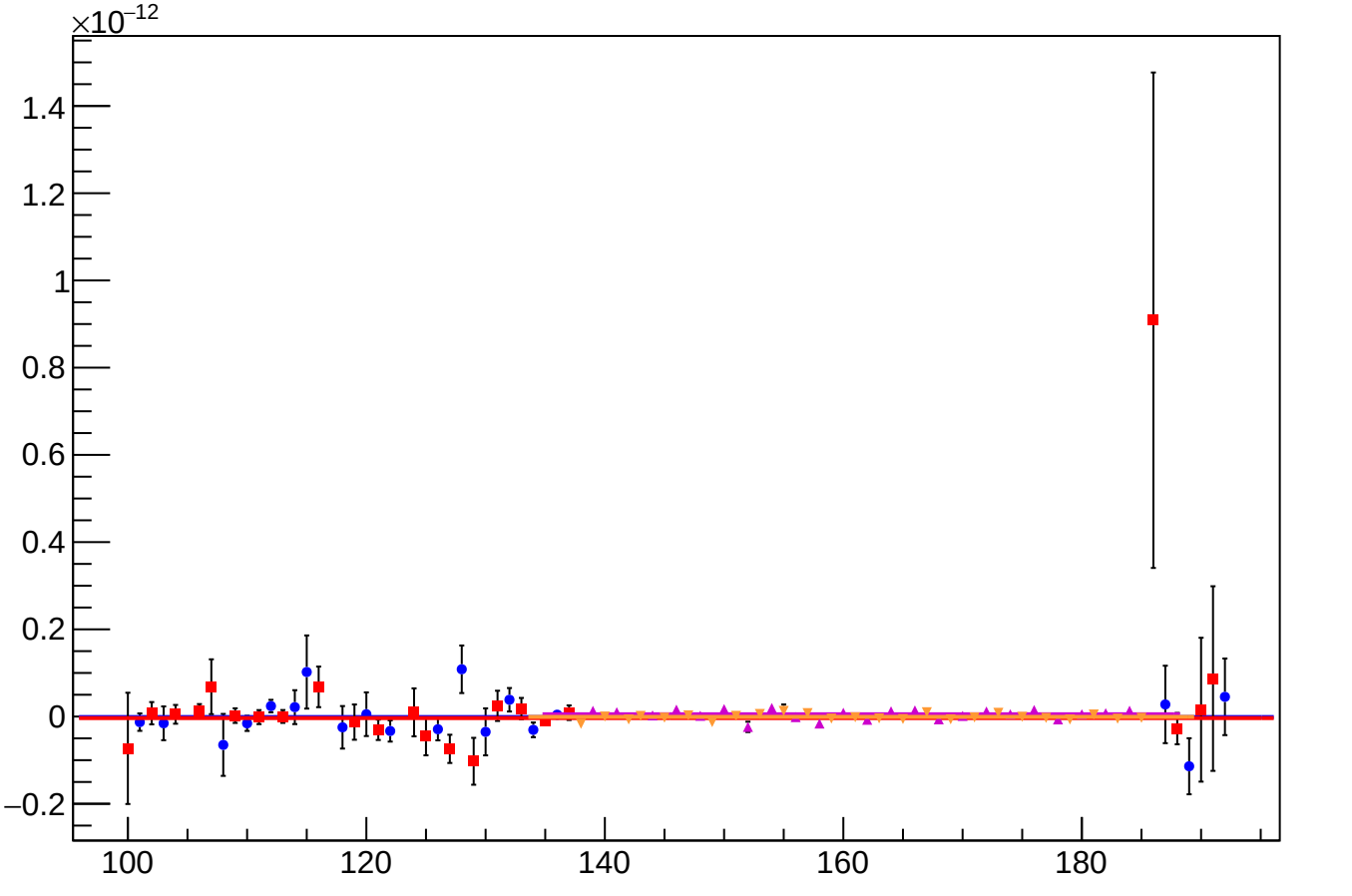
Right Out: 19.602+/-0.005 χ^2/NDF: 2193398.9/22

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 16.943+/-0.002 χ^2/NDF: 5686622.9/43

All: 16.829+/-0.002 χ^2/NDF: 11951310.7/89

- sign 16.714+/-0.002 χ^2/NDF: 6260431.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

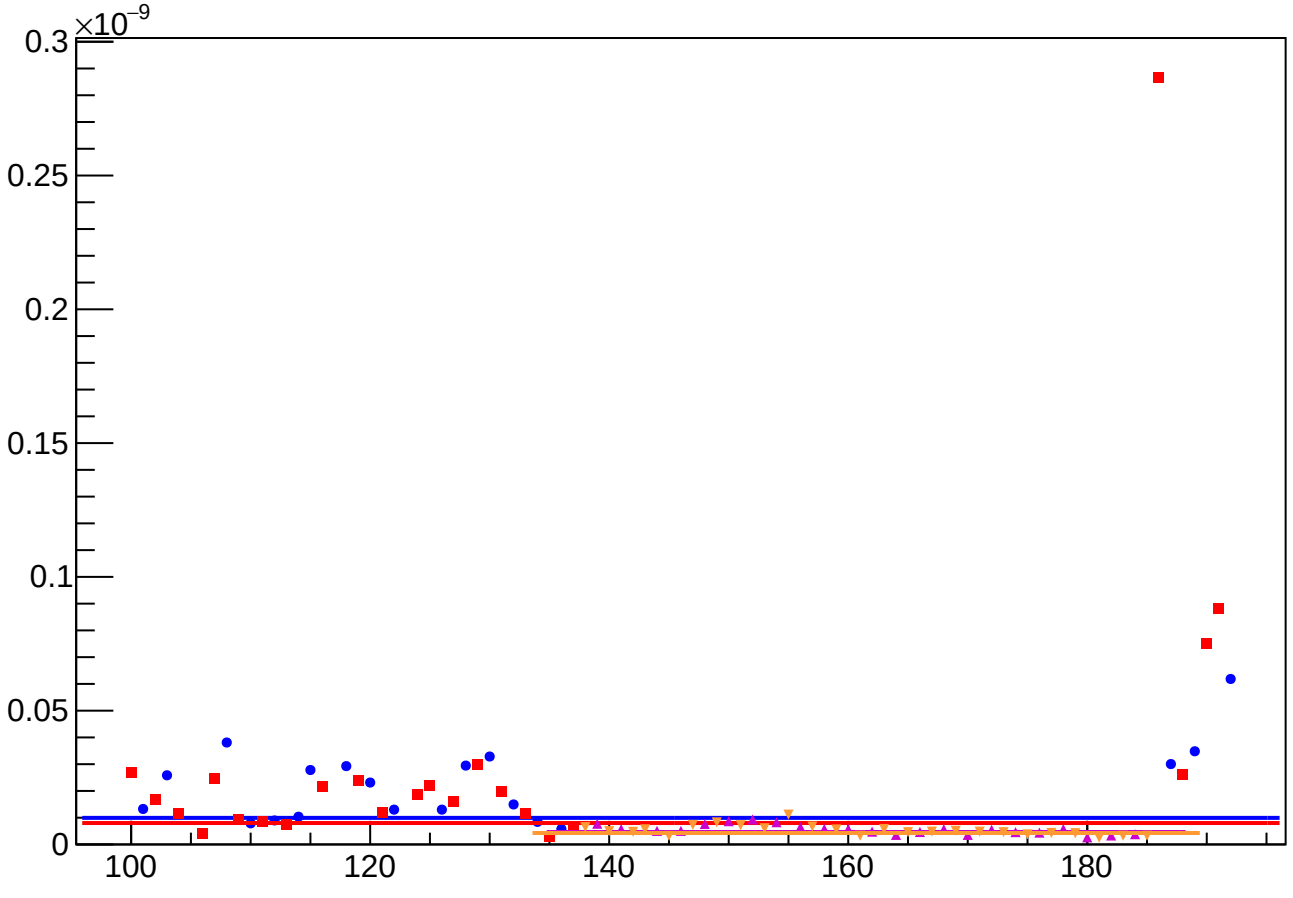
Right Out: -0.000+/-0.000 χ^2/NDF: 22.4/22

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

+ sign -0.000+/-0.000 χ^2/NDF: 42.9/43

All: 0.000+/-0.000 χ^2/NDF: 115.1/89

- sign 0.000+/-0.000 χ^2/NDF: 63.9/45



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

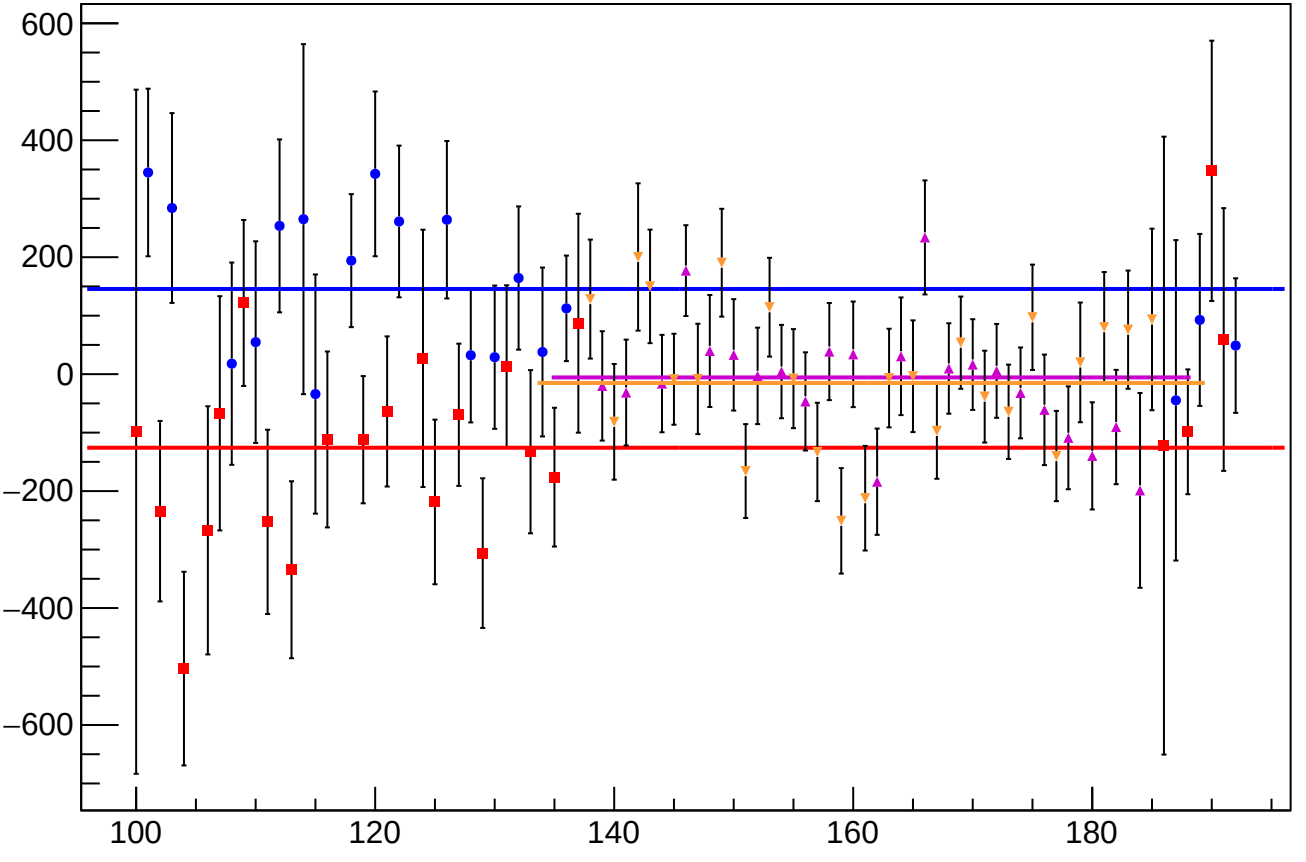
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8700678.6/43

All: 0.000+/-0.000 χ^2/NDF: 17013314.6/89

- sign 0.000+/-0.000 χ^2/NDF: 8245274.0/45

reg_asym_sam_24_68_dd_mean vs Slug



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

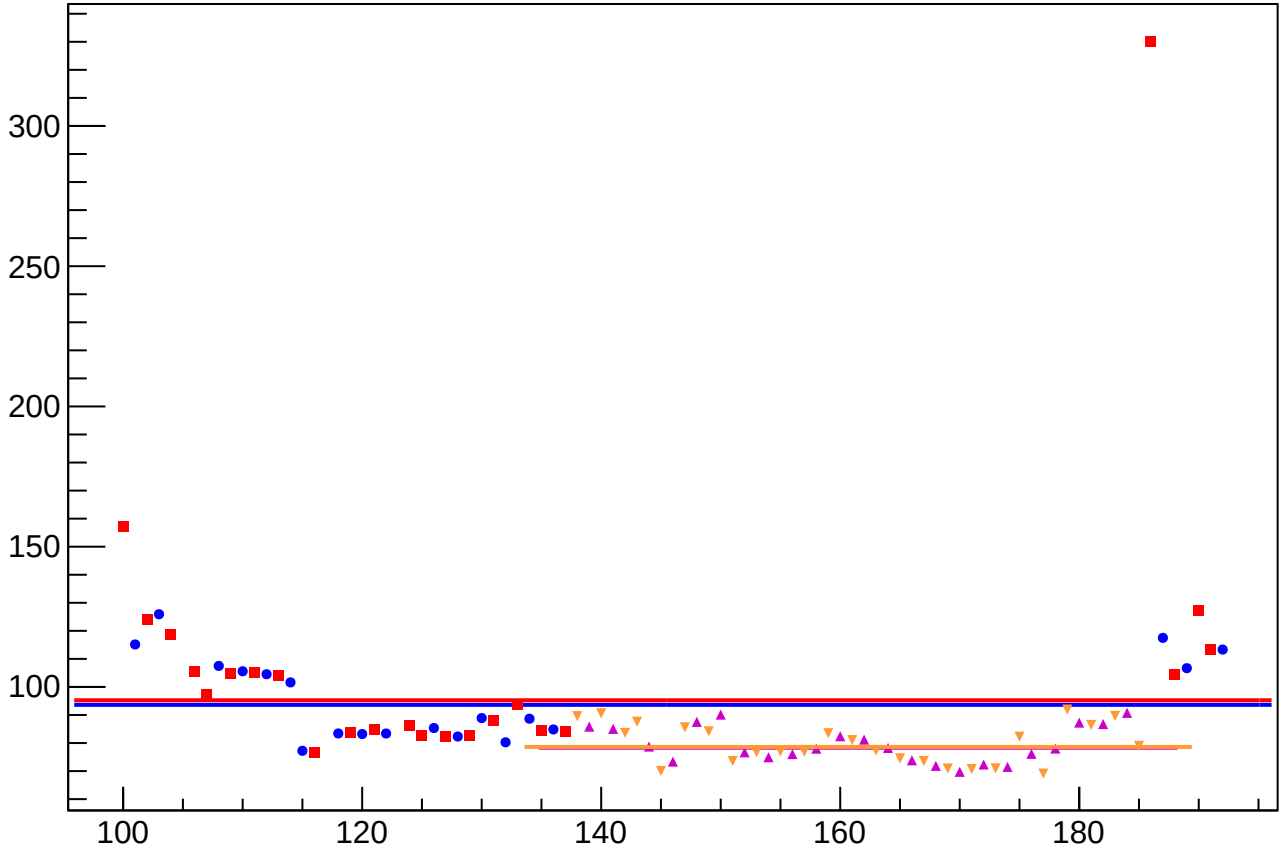
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 23.848+/-15.631 χ^2/NDF: 73.6/43

All: -5.359+/-11.154 χ^2/NDF: 137.4/89

- sign -35.658+/-15.921 χ^2/NDF: 56.6/45

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 93.616+/-0.022 χ^2/NDF: 375980.0/18

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

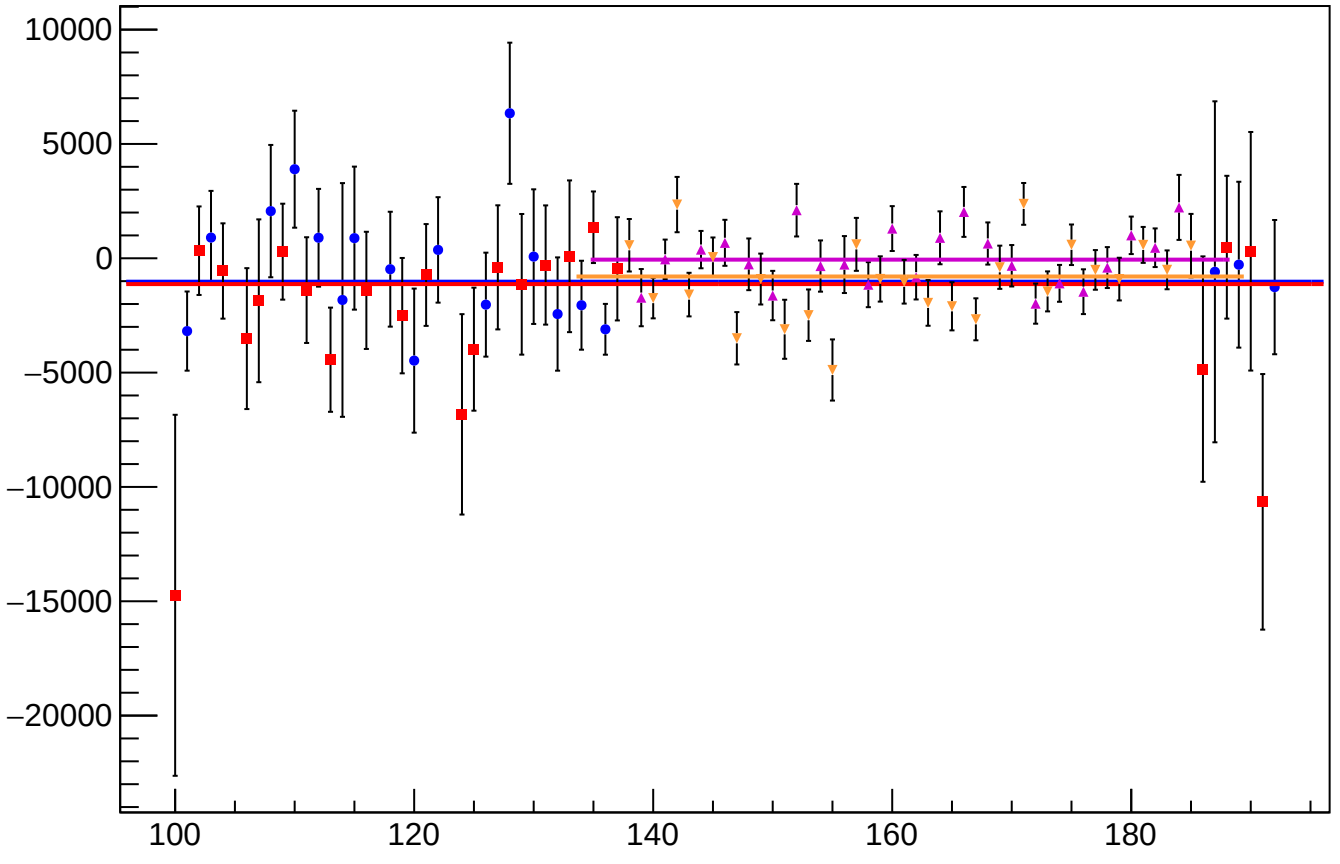
Right Out: 95.253+/-0.023 χ^2/NDF: 783054.5/22

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 82.252+/-0.011 χ^2/NDF: 1021211.8/43

All: 82.404+/-0.008 χ^2/NDF: 2437086.8/89

- sign 82.561+/-0.011 χ^2/NDF: 1415490.0/45



Right In: -1023.926+/-533.507 χ^2/NDF: 20.3/18

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

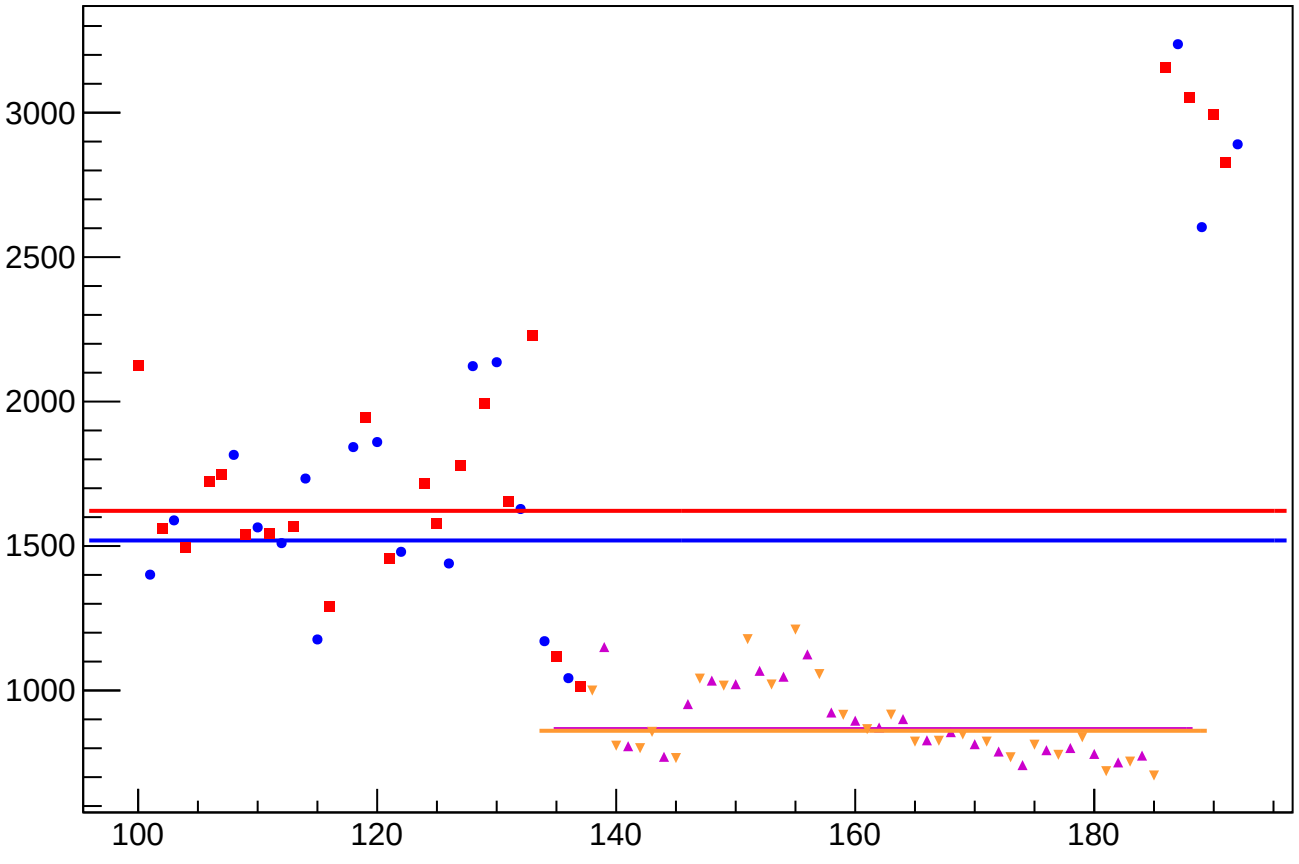
Right Out: -1129.093+/-550.326 χ^2/NDF: 16.7/22

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.444+/-185.533 χ^2/NDF: 79.9/43

All: -517.106+/-133.298 χ^2/NDF: 136.1/89

- sign -189.199+/-191.641 χ^2/NDF: 50.5/45



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

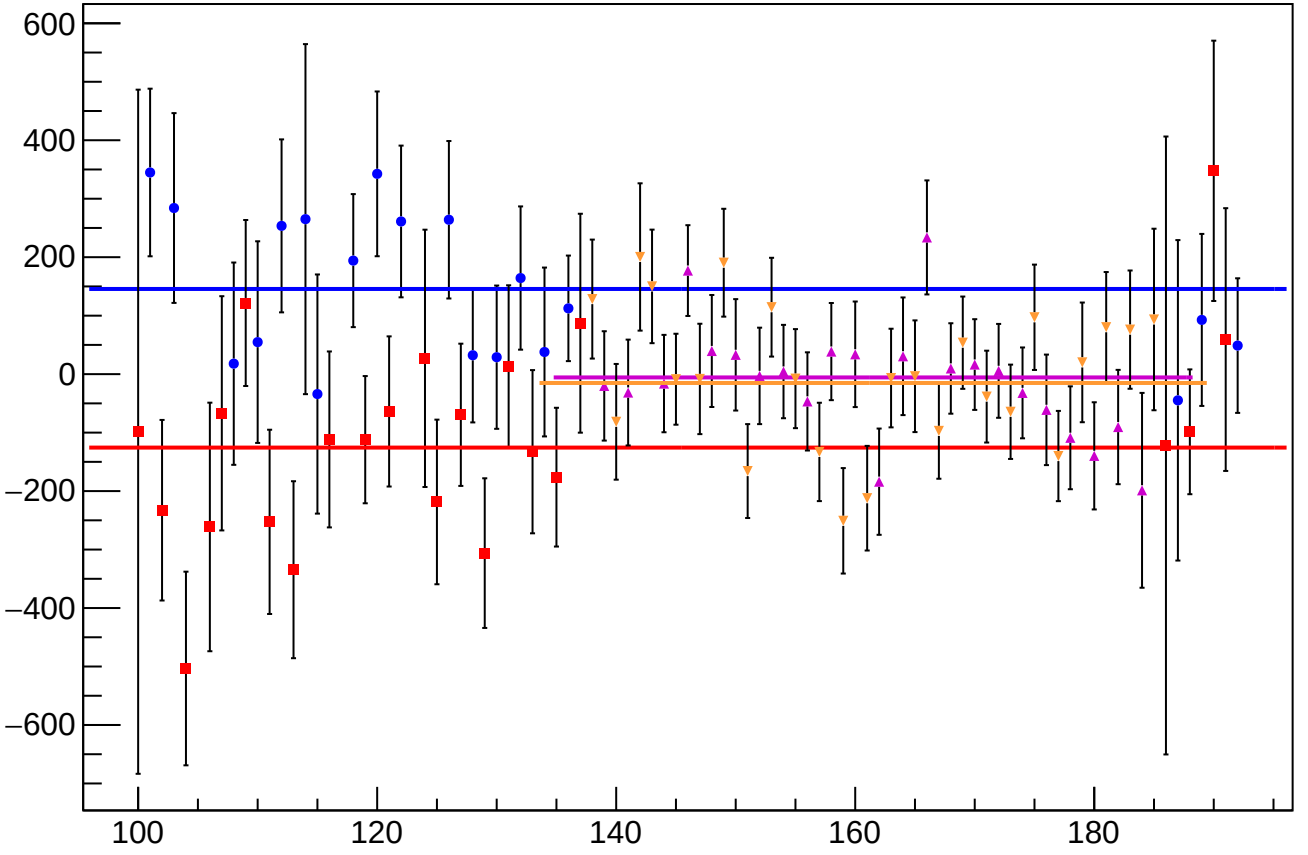
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 940.156+/-0.131 χ^2/NDF: 4821472.2/43

All: 948.767+/-0.094 χ^2/NDF: 10163301.2/89

- sign 957.955+/-0.136 χ^2/NDF: 5332924.1/45

cor_asym_sam_24_68_dd_mean vs Slug



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

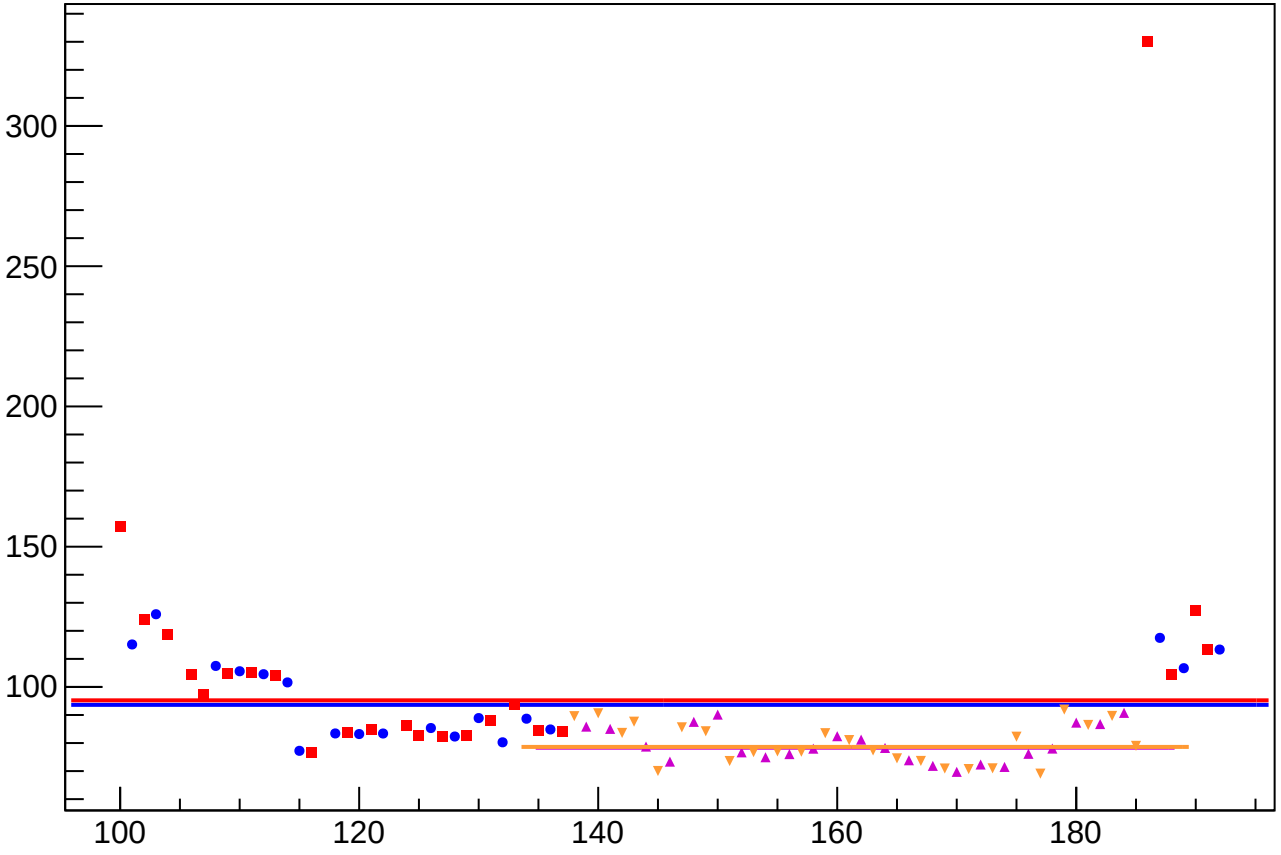
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 23.849+/-15.631 χ^2/NDF: 73.6/43

All: -5.329+/-11.154 χ^2/NDF: 137.3/89

- sign -35.598+/-15.921 χ^2/NDF: 56.5/45

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 93.616+/-0.022 χ^2/NDF: 375981.7/18

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

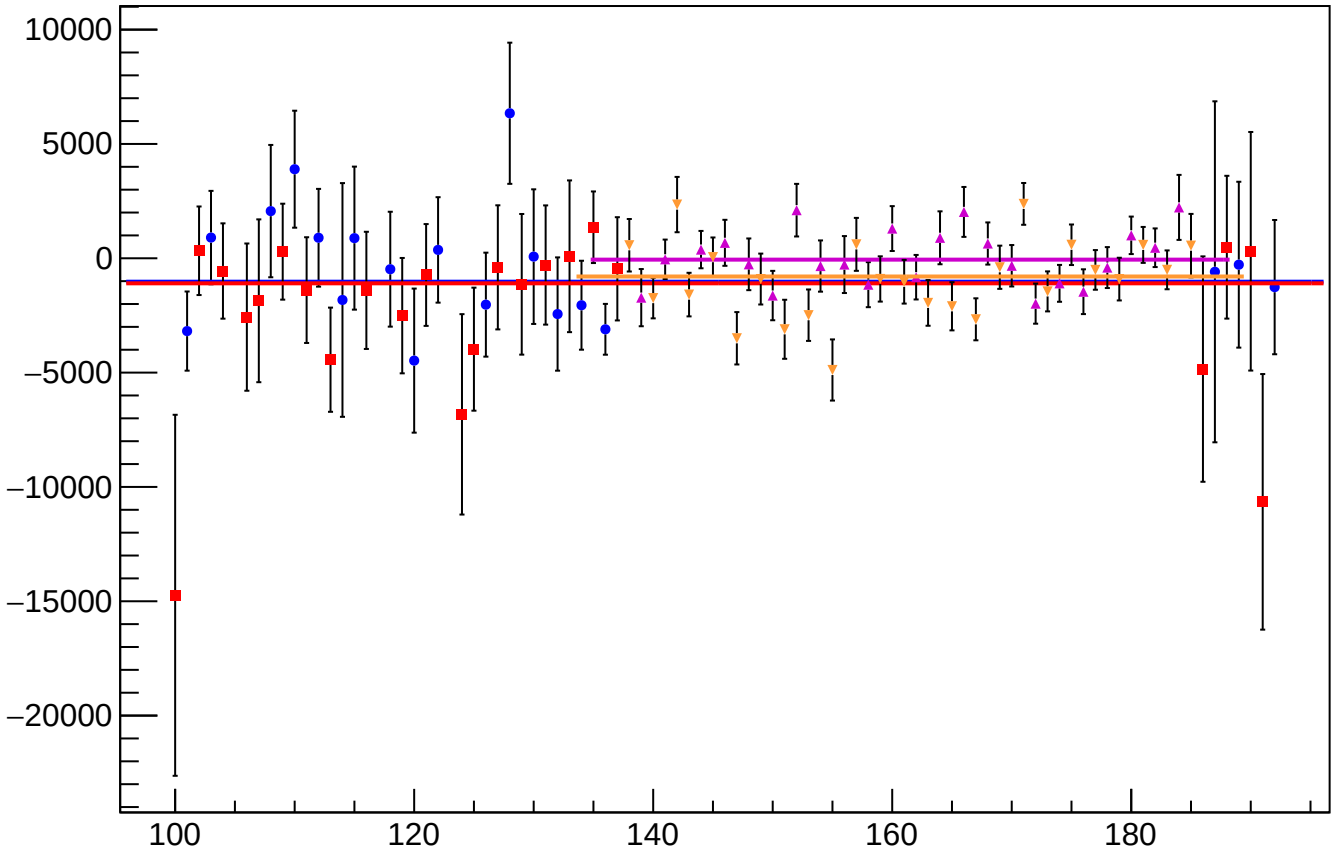
Right Out: 95.225+/-0.023 χ^2/NDF: 782140.0/22

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 82.252+/-0.011 χ^2/NDF: 1021213.7/43

All: 82.400+/-0.008 χ^2/NDF: 2434705.1/89

- sign 82.554+/-0.011 χ^2/NDF: 1413124.6/45



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

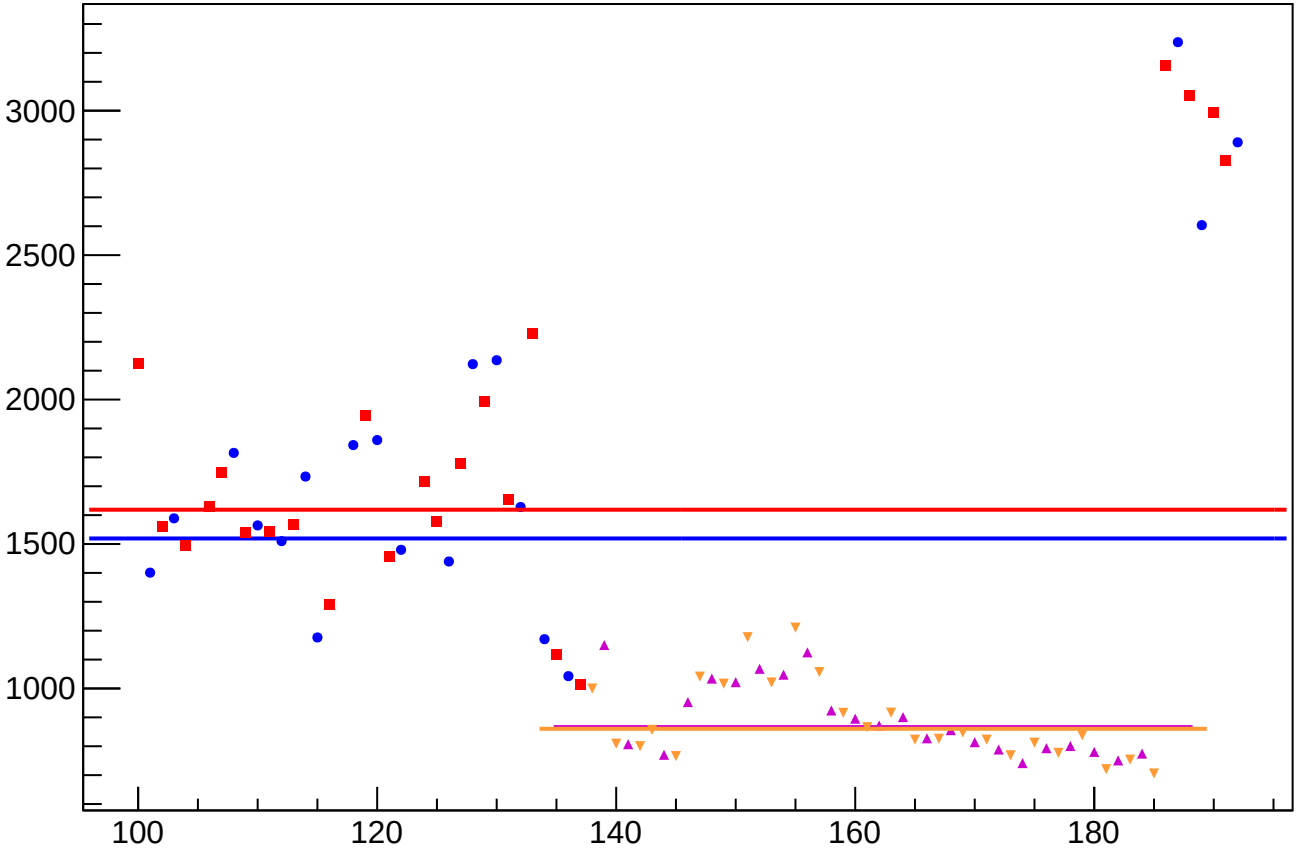
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.441+/-185.533 χ^2/NDF: 79.9/43

All: -515.041+/-133.309 χ^2/NDF: 135.6/89

- sign -184.823+/-191.673 χ^2/NDF: 49.9/45

asym_sam_24_68_dd_cor_correction_rms vs Slug



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

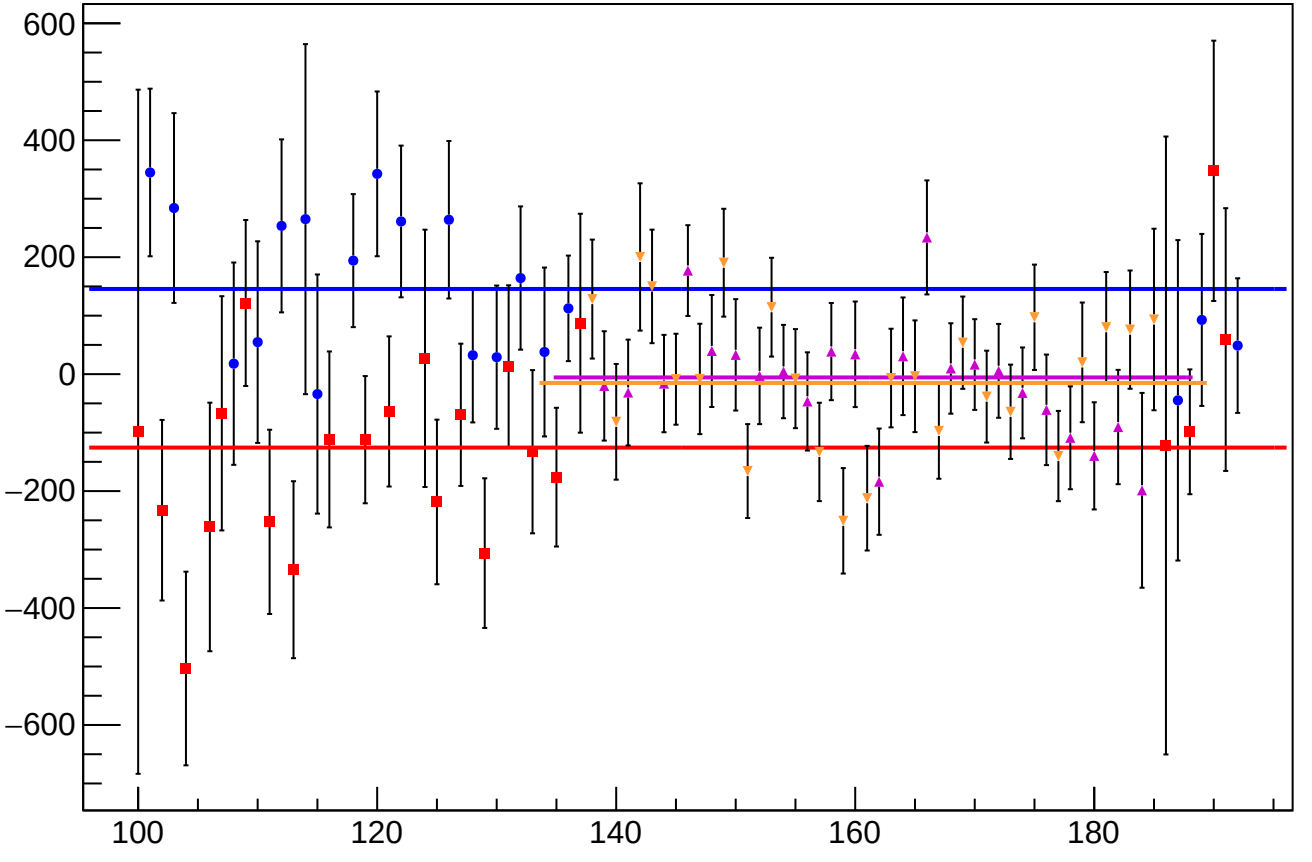
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 940.156+/-0.131 χ^2/NDF: 4821493.0/43

All: 948.485+/-0.094 χ^2/NDF: 10126595.2/89

- sign 957.374+/-0.136 χ^2/NDF: 5296770.0/45

eigen_cor_asym_sam_24_68_dd_mean vs Slug



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

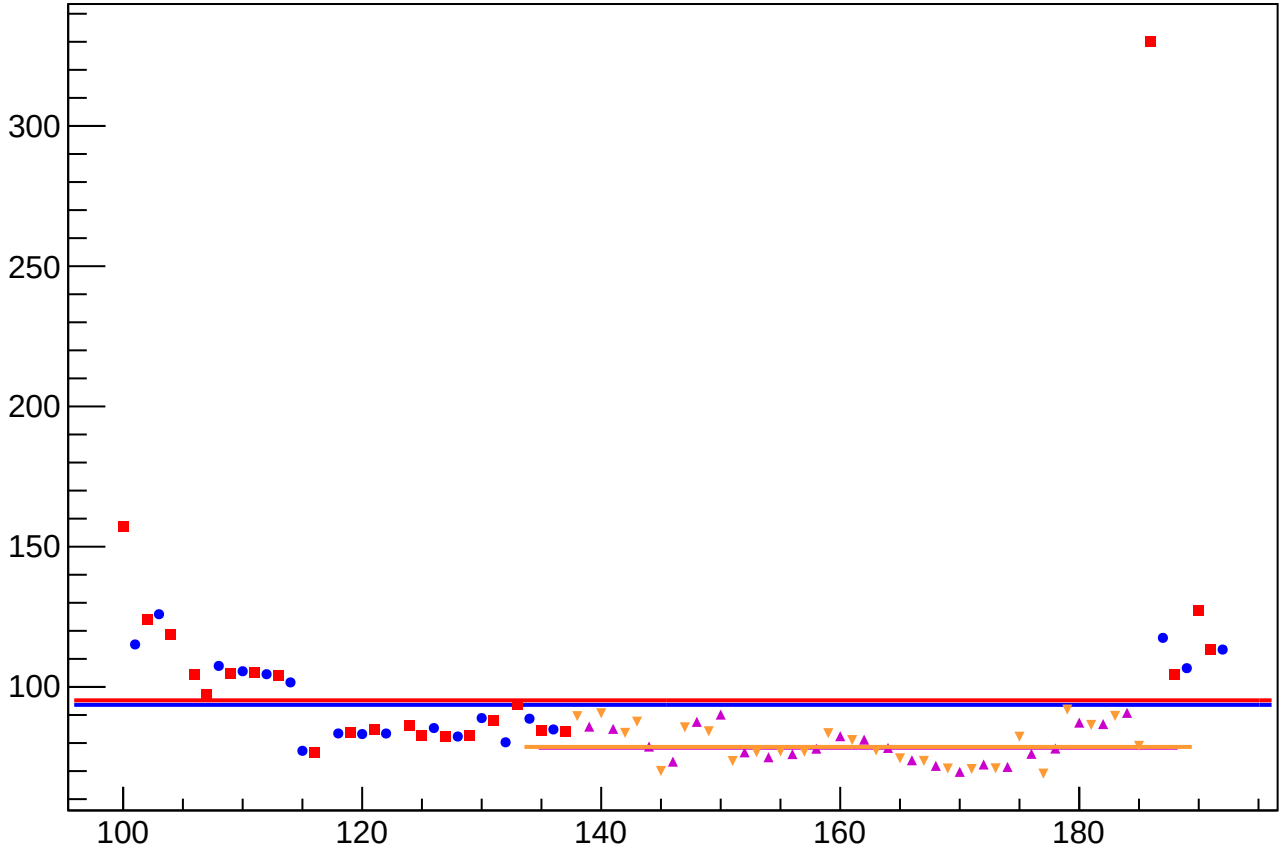
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 23.849+/-15.631 χ^2/NDF: 73.6/43

All: -5.329+/-11.154 χ^2/NDF: 137.3/89

- sign -35.598+/-15.921 χ^2/NDF: 56.5/45

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 93.616+/-0.022 χ^2/NDF: 375981.7/18

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

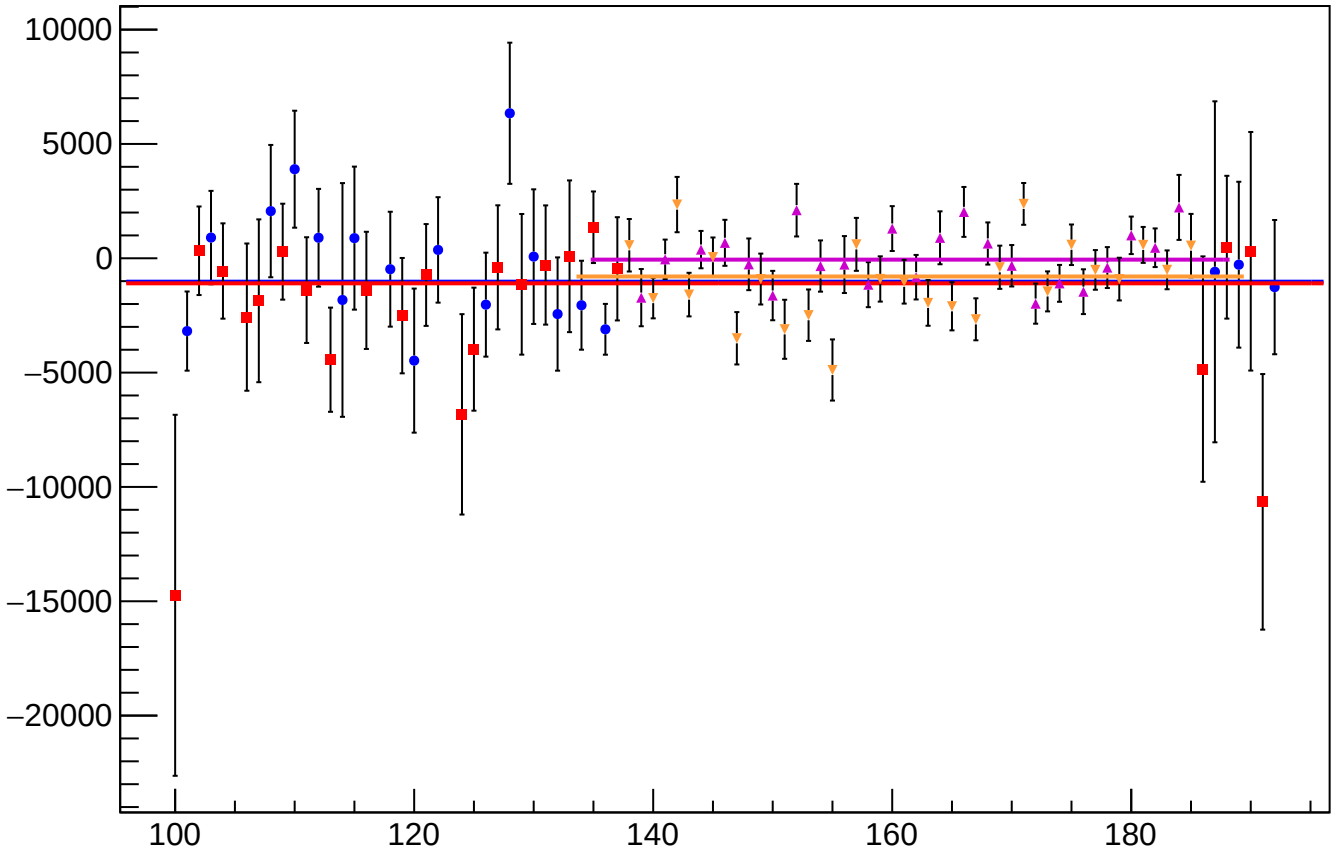
Right Out: 95.225+/-0.023 χ^2/NDF: 782140.0/22

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 82.252+/-0.011 χ^2/NDF: 1021213.7/43

All: 82.400+/-0.008 χ^2/NDF: 2434705.1/89

- sign 82.554+/-0.011 χ^2/NDF: 1413124.6/45



Right In: -1023.903+/-533.509 χ^2/NDF: 20.3/18

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

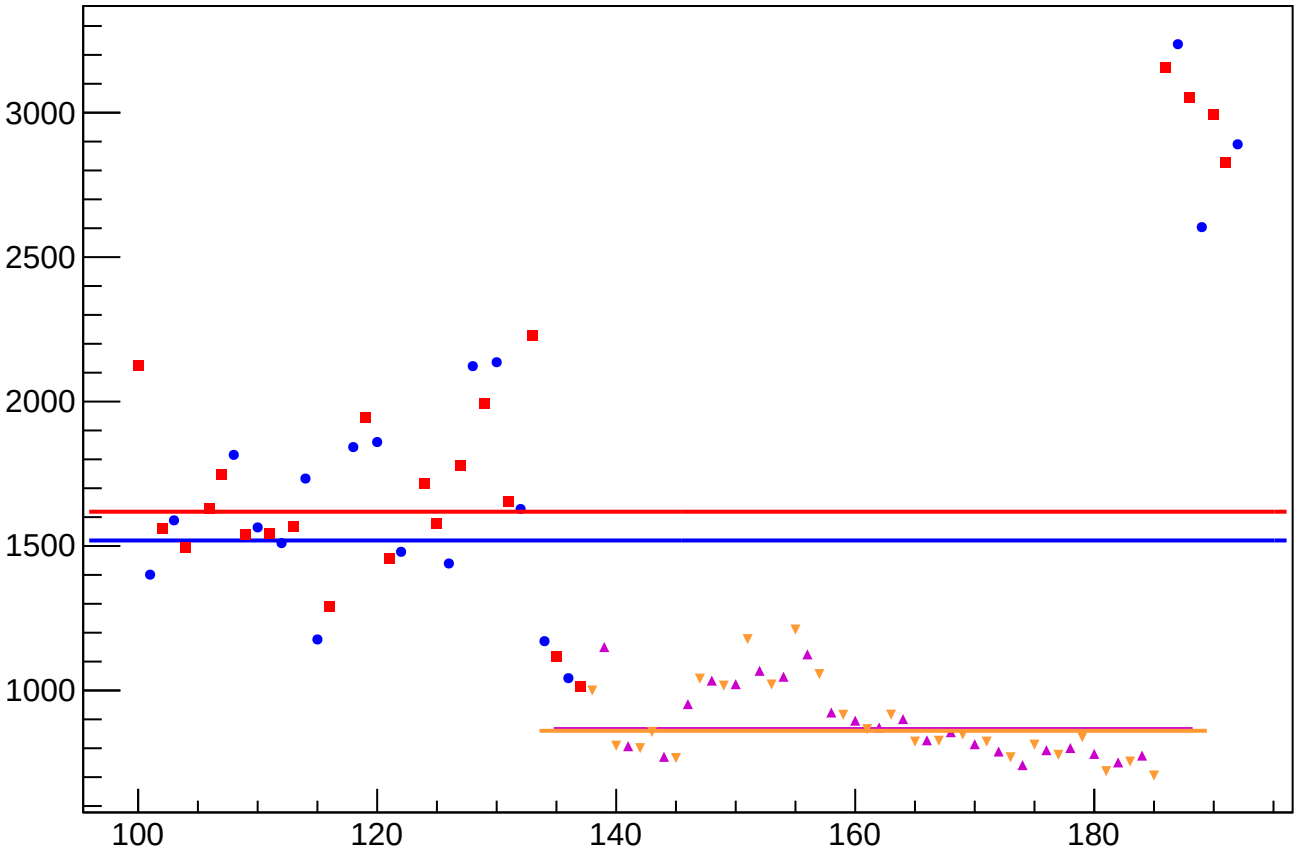
Right Out: -1095.507+/-551.084 χ^2/NDF: 16.3/22

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.441+/-185.533 χ^2/NDF: 79.9/43

All: -515.041+/-133.309 χ^2/NDF: 135.6/89

- sign -184.823+/-191.673 χ^2/NDF: 49.9/45



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

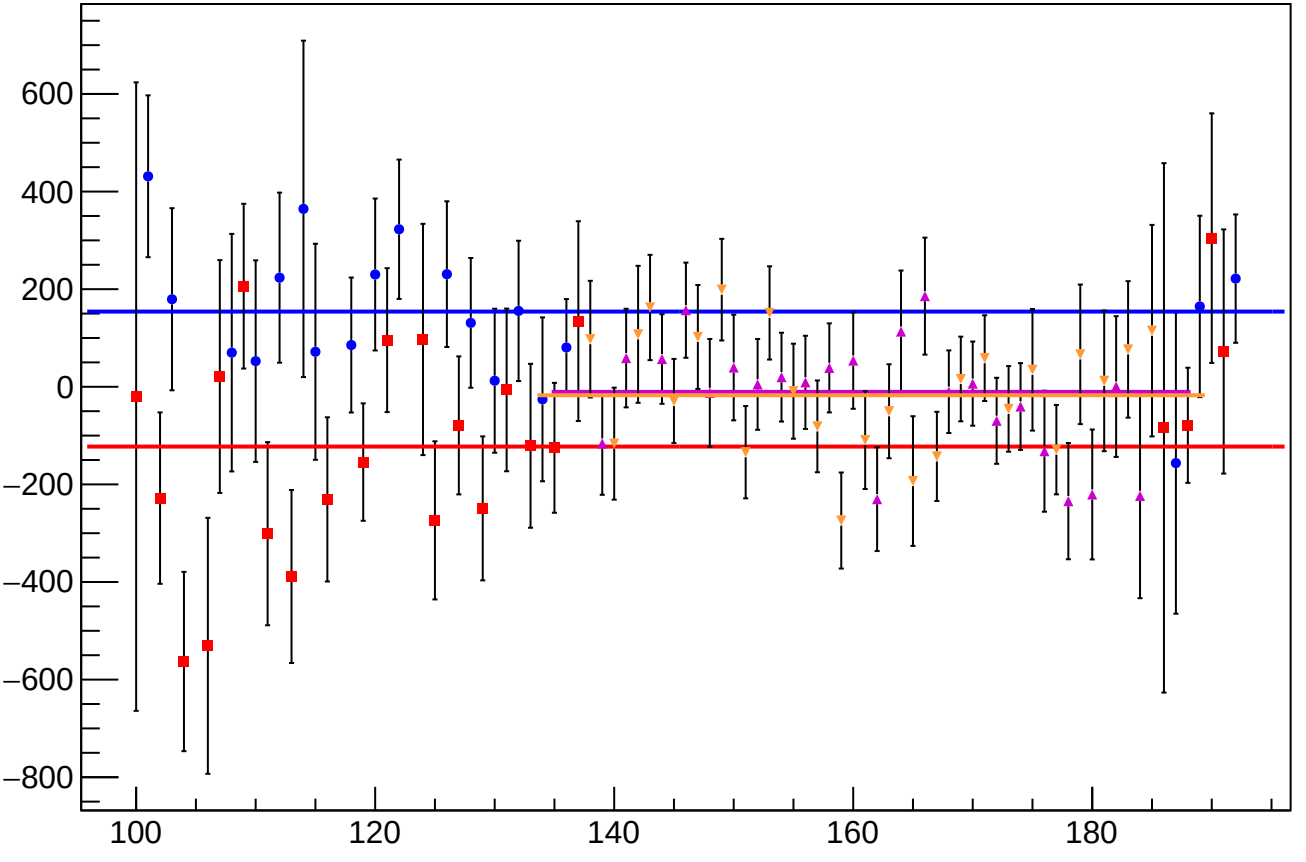
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 940.156+/-0.131 χ^2/NDF: 4821493.0/43

All: 948.485+/-0.094 χ^2/NDF: 10126595.2/89

- sign 957.374+/-0.136 χ^2/NDF: 5296770.0/45

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 154.108+/-36.762 χ^2/NDF: 9.9/18

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -122.512+/-36.450 χ^2/NDF: 26.7/22

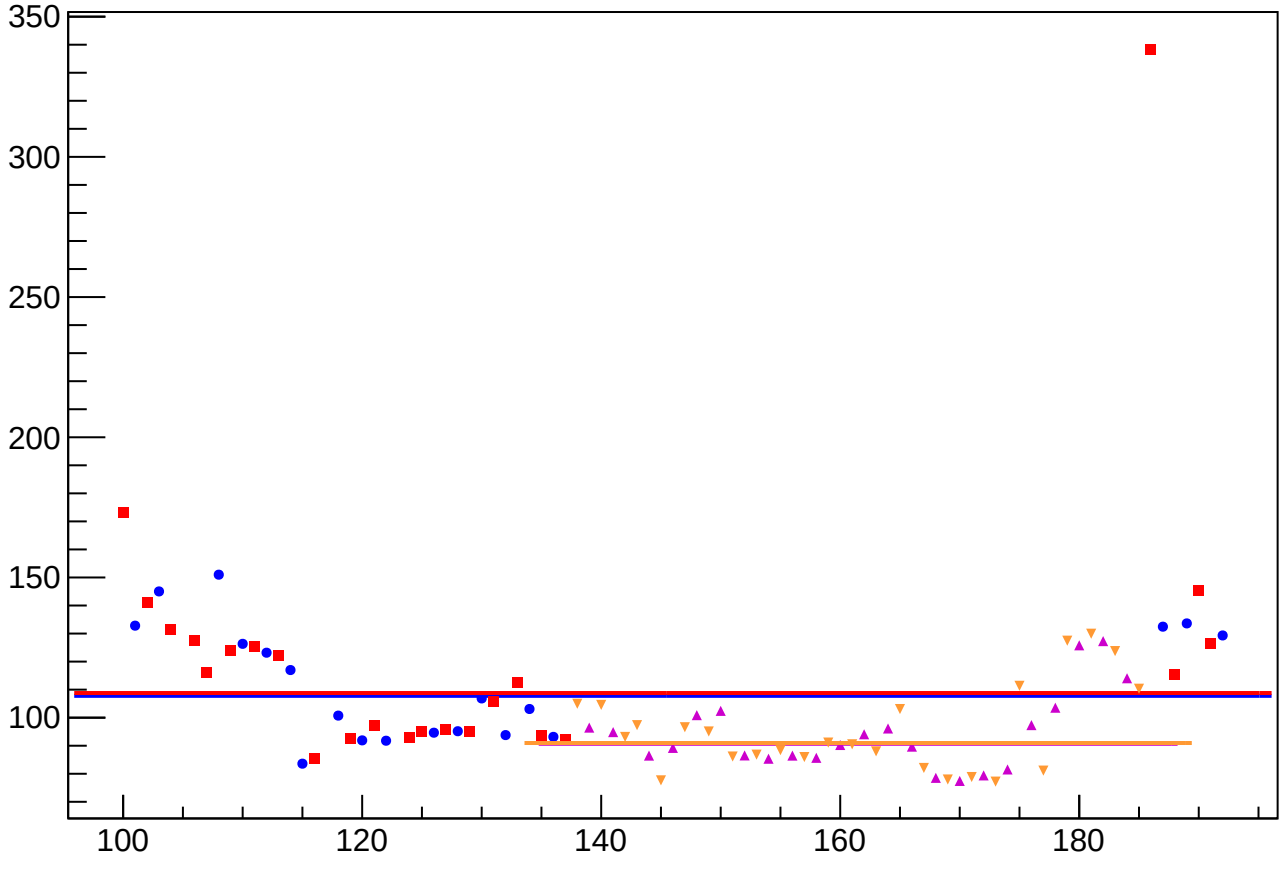
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 24.789+/-18.226 χ^2/NDF: 57.5/43

All: -6.768+/-12.991 χ^2/NDF: 120.0/89

- sign -39.354+/-18.521 χ^2/NDF: 56.4/45

dit_asym_sam_24_68_dd_rms vs Slug



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

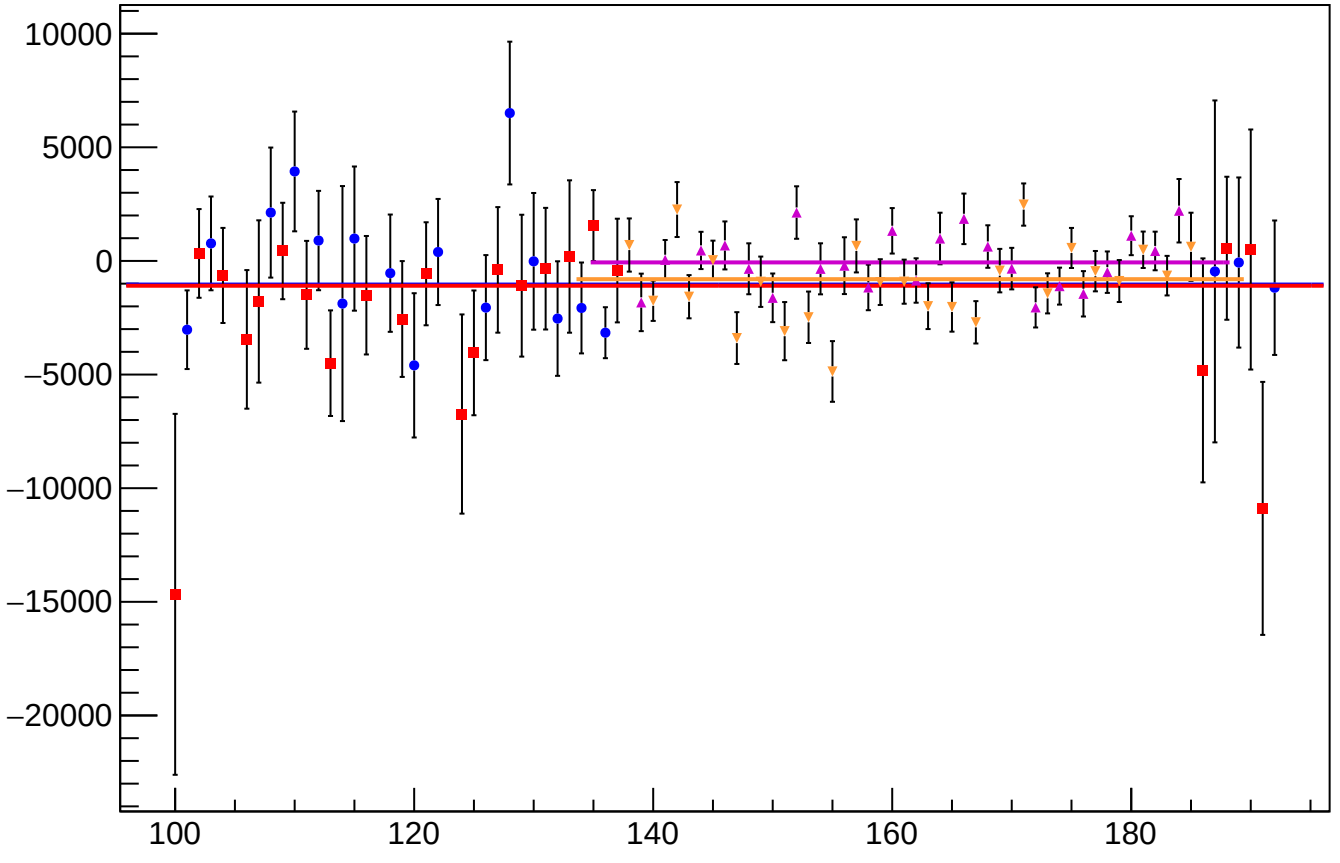
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 95.102+/-0.013 χ^2/NDF: 1599521.5/43

All: 95.231+/-0.009 χ^2/NDF: 3284129.3/89

- sign 95.365+/-0.013 χ^2/NDF: 1684403.2/45

asym_sam_24_68_dd_dit_correction_mean vs Slug



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

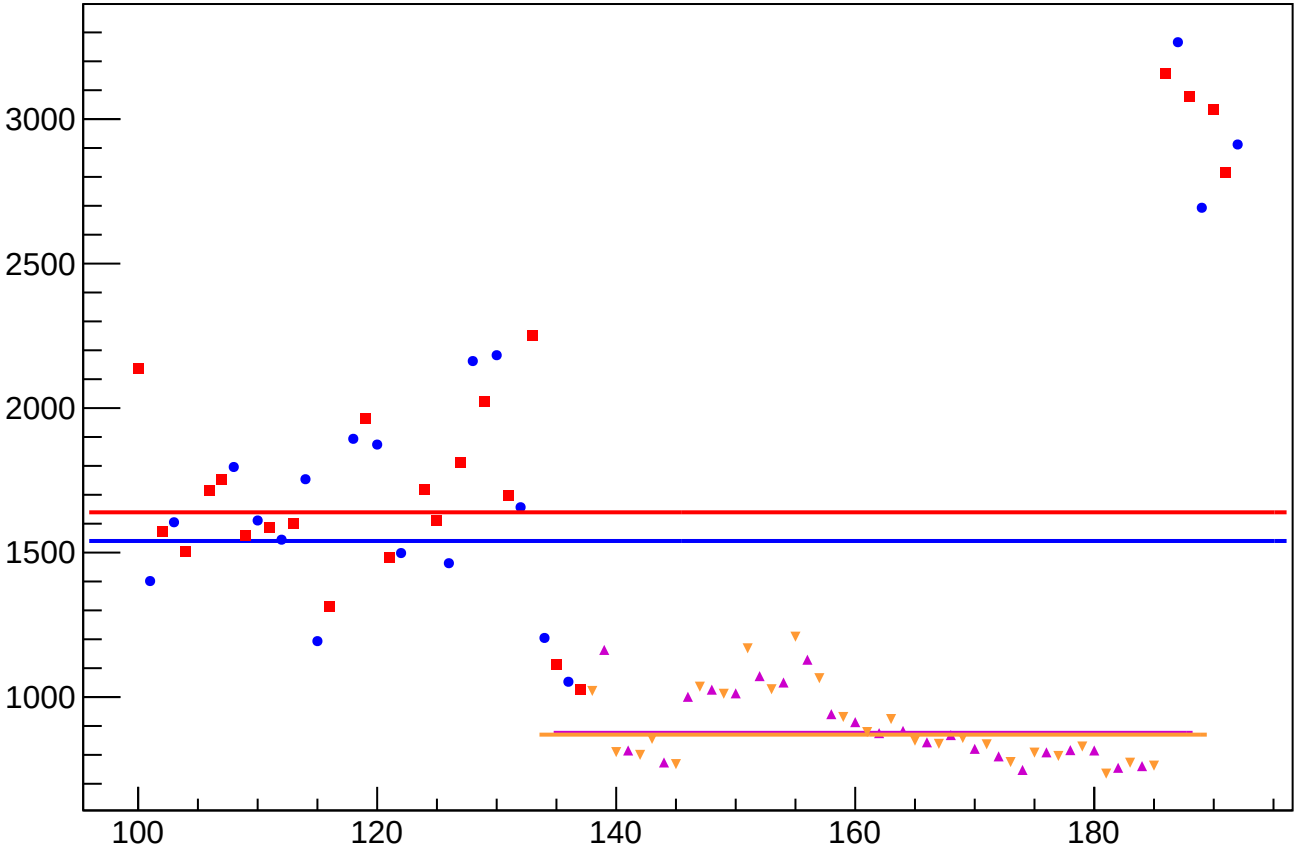
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -831.017+/-187.461 χ^2/NDF: 78.6/43

All: -520.923+/-134.716 χ^2/NDF: 135.3/89

- sign -189.743+/-193.729 χ^2/NDF: 51.0/45

asym_sam_24_68_dd_dit_correction_rms vs Slug



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

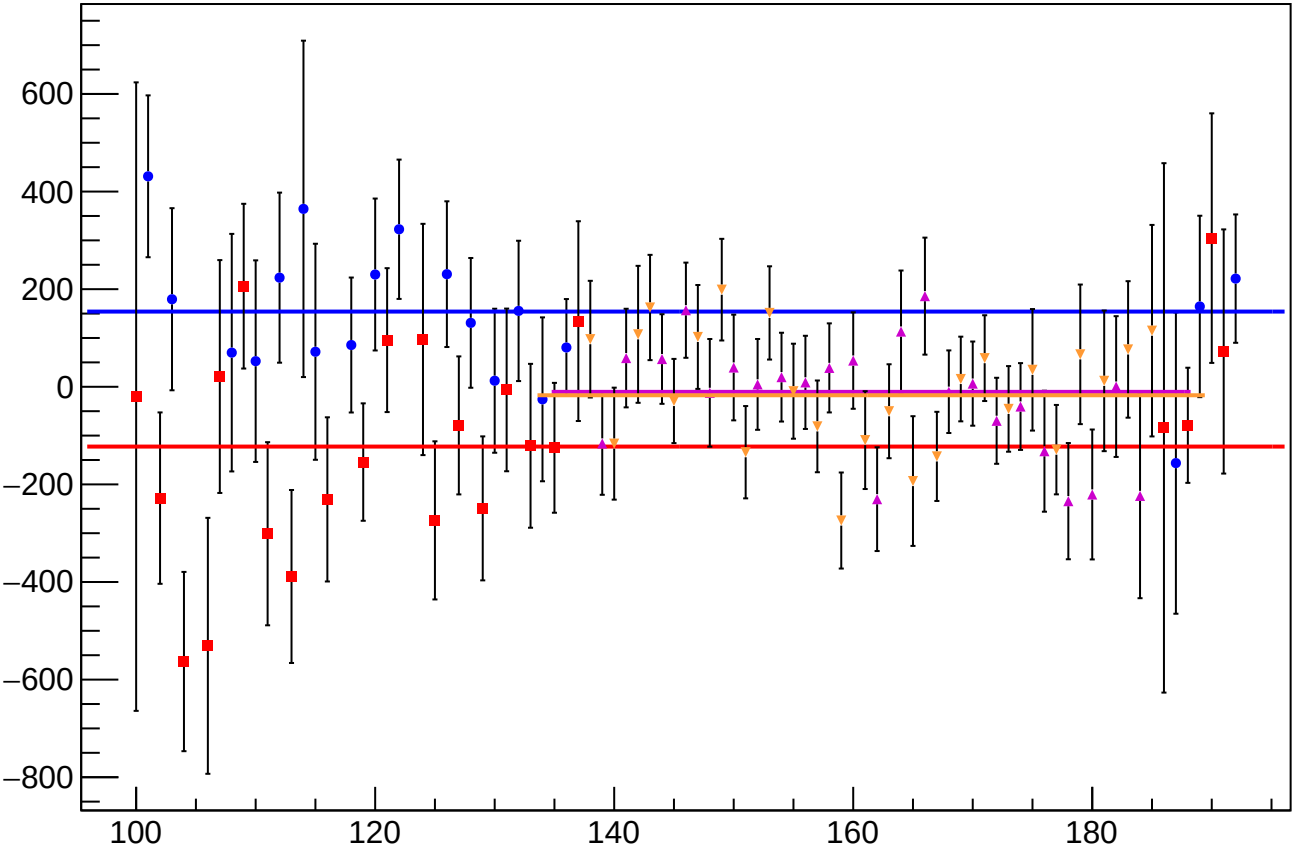
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 950.528+/-0.133 χ^2/NDF: 4804733.9/43

All: 959.406+/-0.095 χ^2/NDF: 10133902.1/89

- sign 968.887+/-0.137 χ^2/NDF: 5319892.2/45

eigen_dit_asym_sam_24_68_dd_mean vs Slug



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

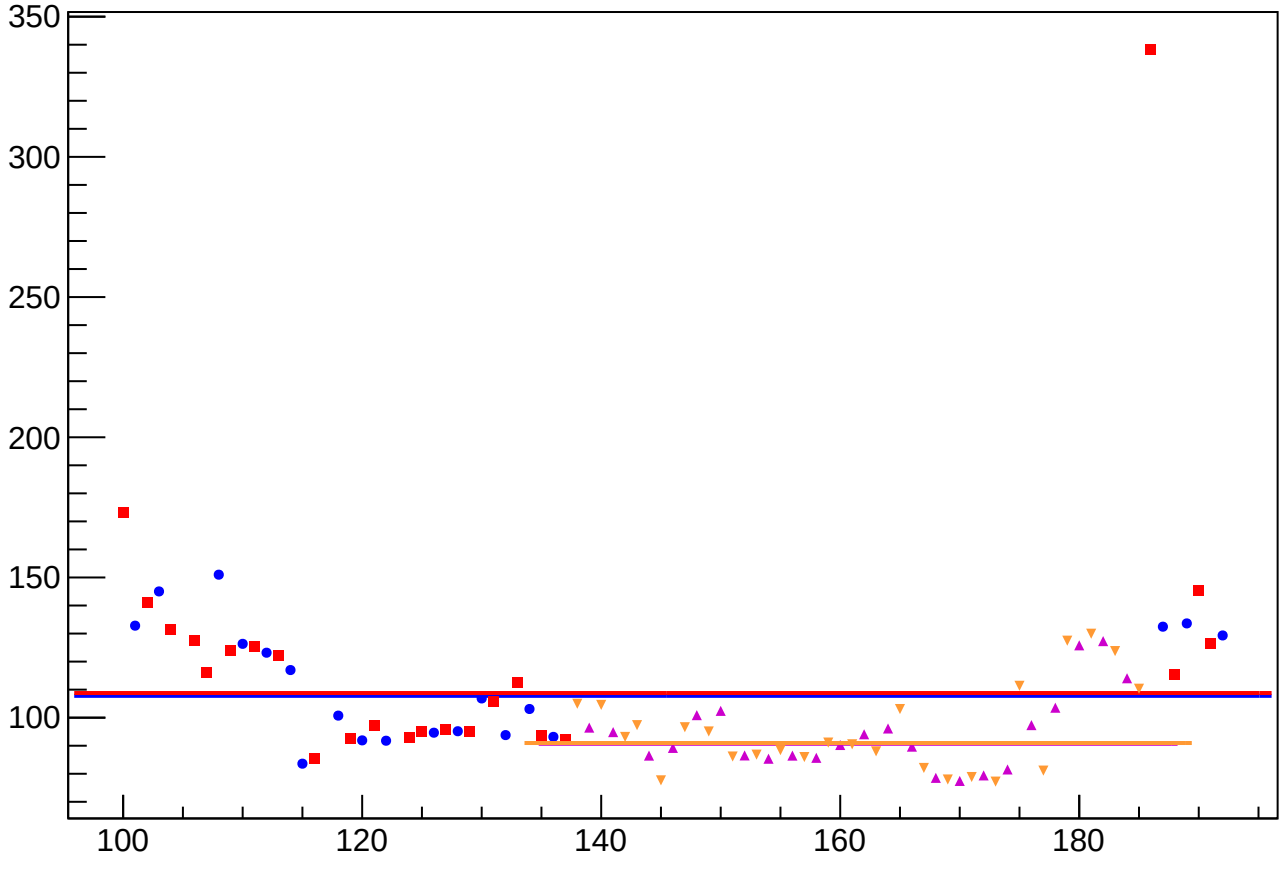
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 24.789+/-18.226 χ^2/NDF: 57.5/43

All: -6.768+/-12.991 χ^2/NDF: 120.0/89

- sign -39.354+/-18.521 χ^2/NDF: 56.4/45

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 107.789+/-0.026 χ^2/NDF: 499120.7/18

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

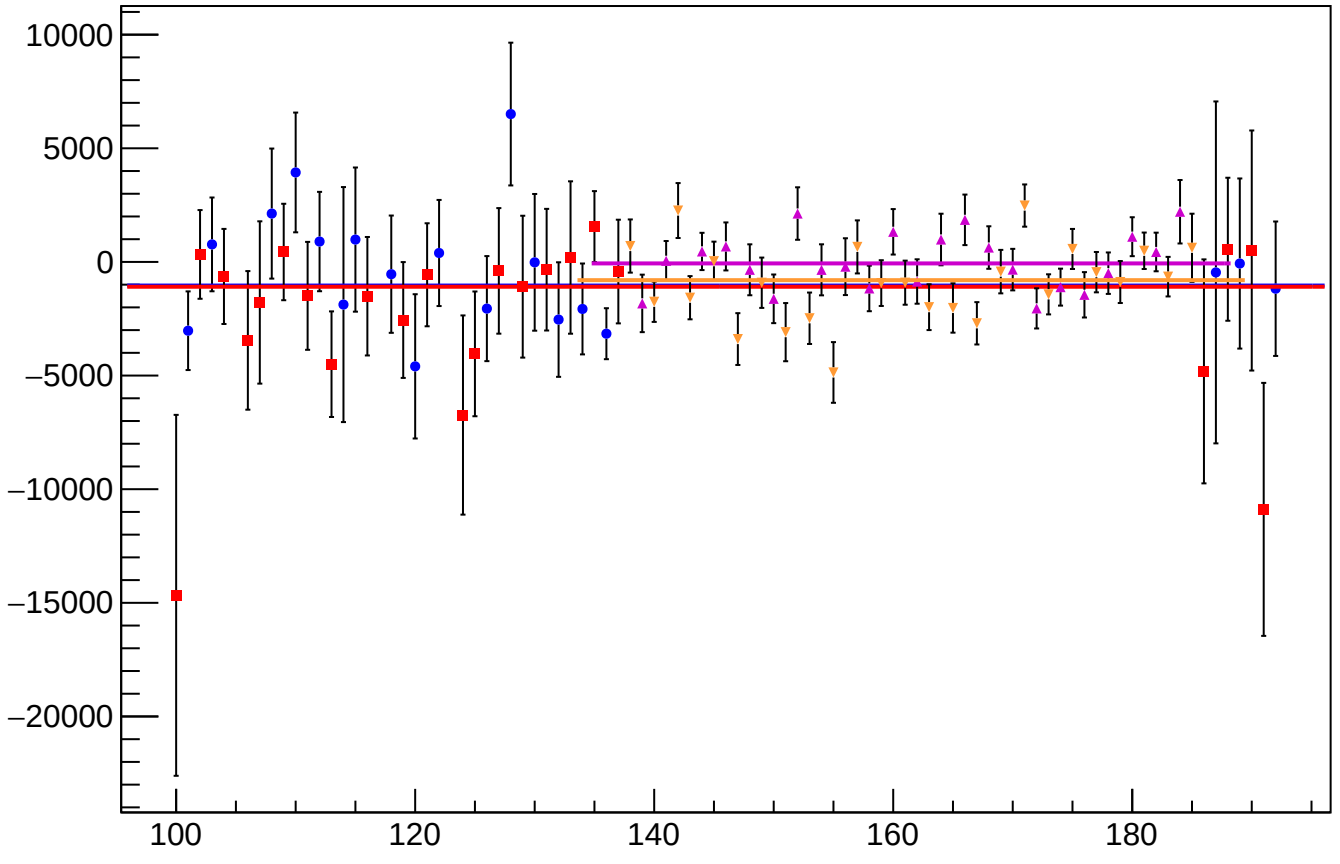
Right Out: 108.796+/-0.026 χ^2/NDF: 772342.8/22

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 95.102+/-0.013 χ^2/NDF: 1599496.8/43

All: 95.231+/-0.009 χ^2/NDF: 3284079.0/89

- sign 95.364+/-0.013 χ^2/NDF: 1684377.7/45



Right In: -1039.604+/-540.806 χ^2/NDF: 20.1/18

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

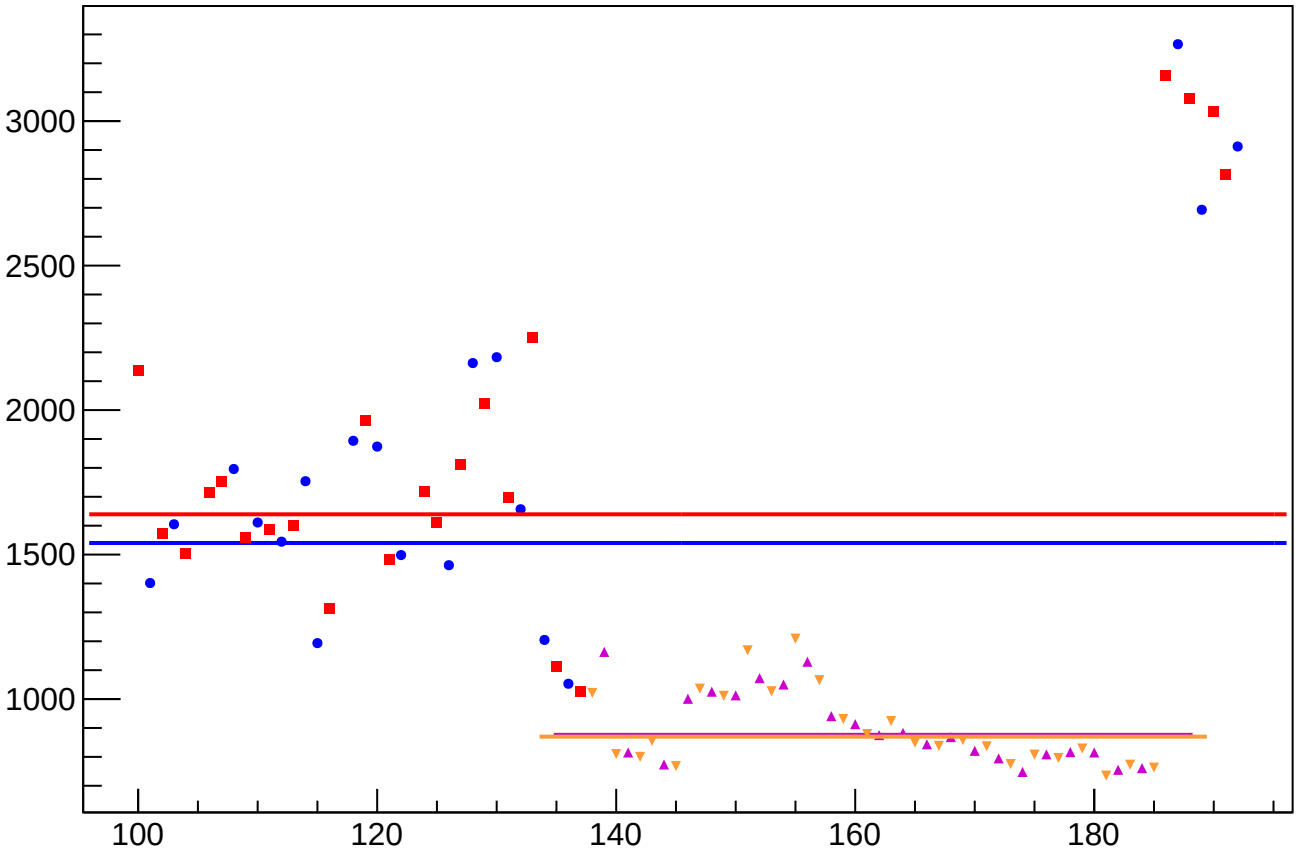
Right Out: -1091.208+/-556.083 χ^2/NDF: 17.4/22

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -831.016+/-187.460 χ^2/NDF: 78.6/43

All: -520.923+/-134.716 χ^2/NDF: 135.3/89

- sign -189.742+/-193.729 χ^2/NDF: 51.0/45



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

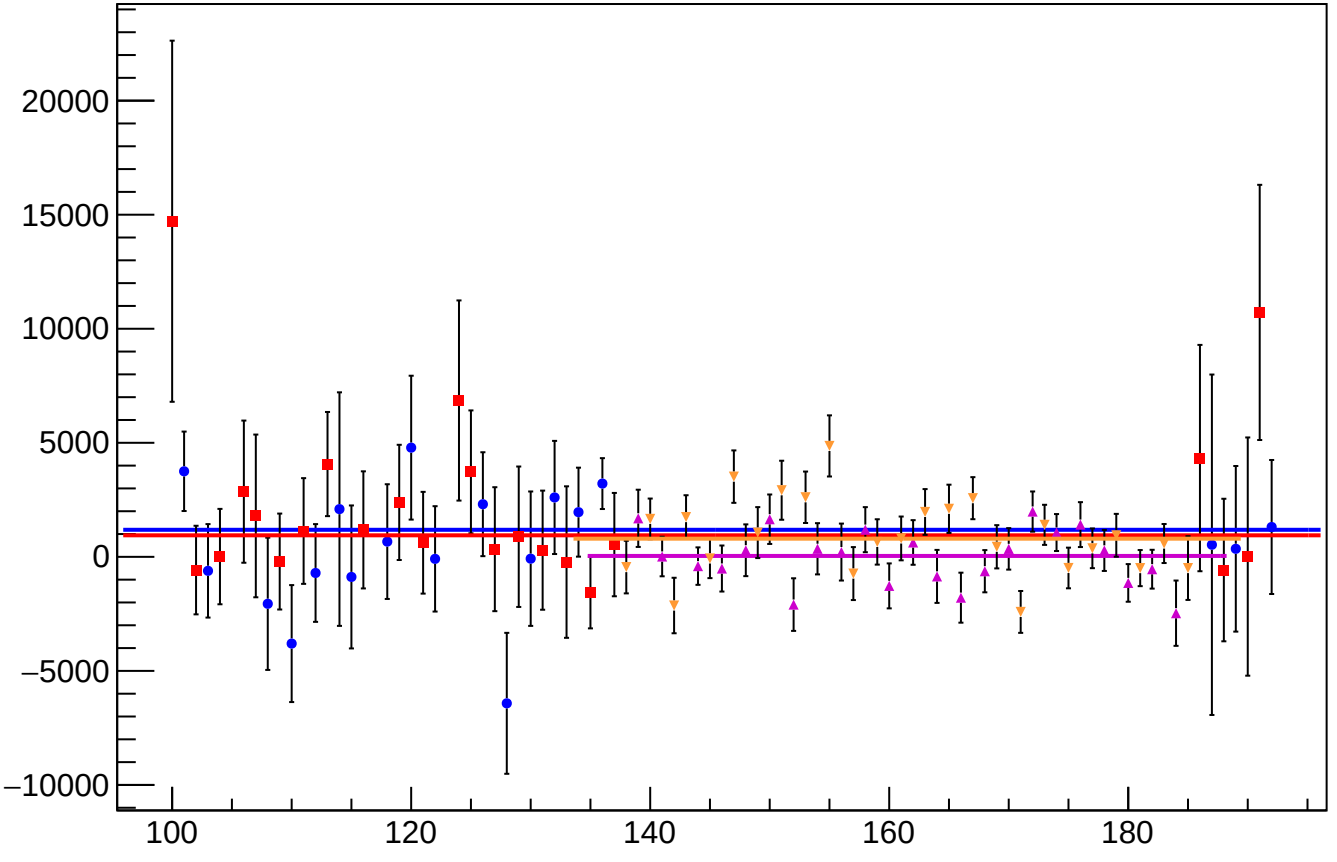
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 950.527+/-0.133 χ^2/NDF: 4804727.0/43

All: 959.405+/-0.095 χ^2/NDF: 10133889.5/89

- sign 968.886+/-0.137 χ^2/NDF: 5319886.7/45

asym_sam_24_68_dd_mean vs Slug



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

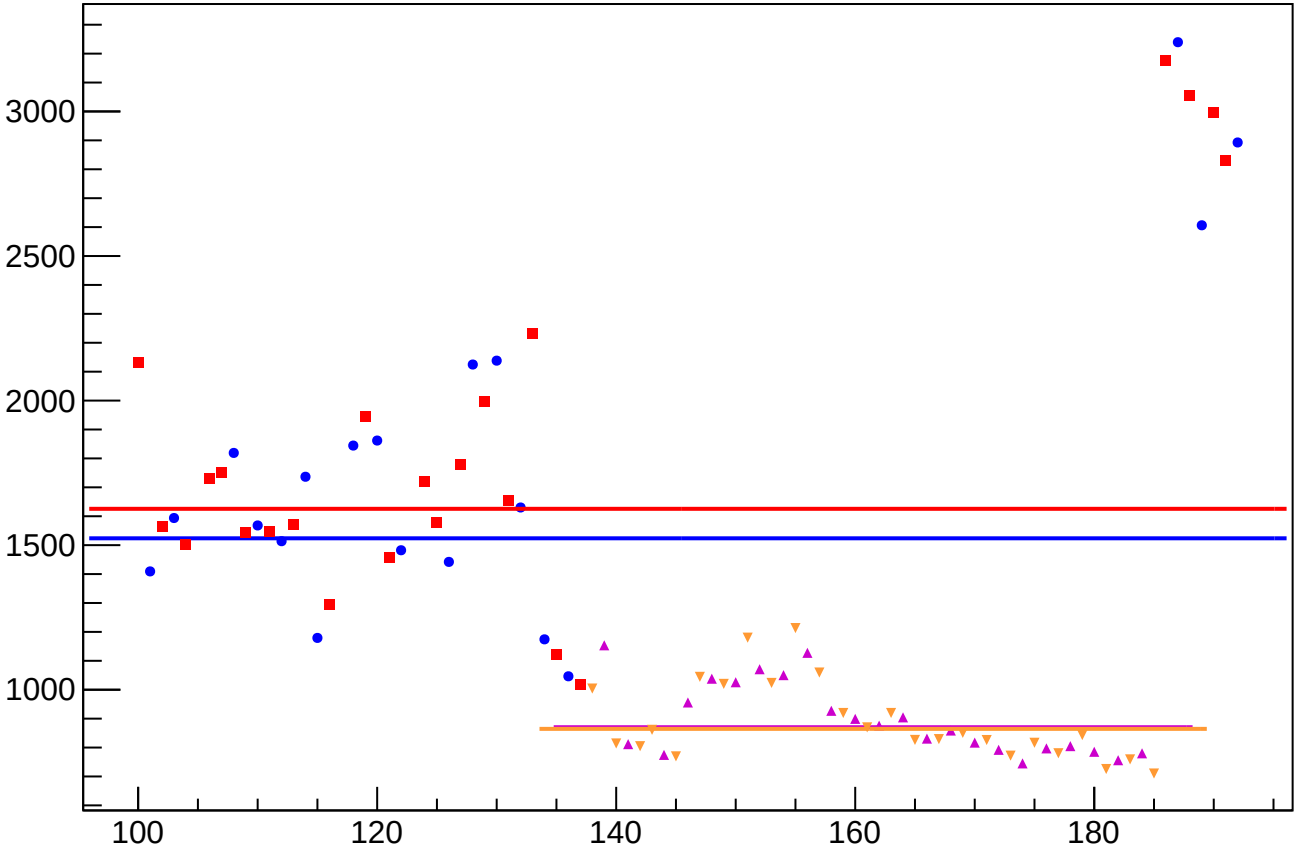
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 843.602+/-186.349 χ^2/NDF: 78.9/43

All: 507.853+/-133.874 χ^2/NDF: 134.0/89

- sign 149.755+/-192.451 χ^2/NDF: 48.4/45

asym_sam_24_68_dd_rms vs Slug



Right In: 1523.691+/-0.378 χ^2/NDF: 1433464.2/18

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

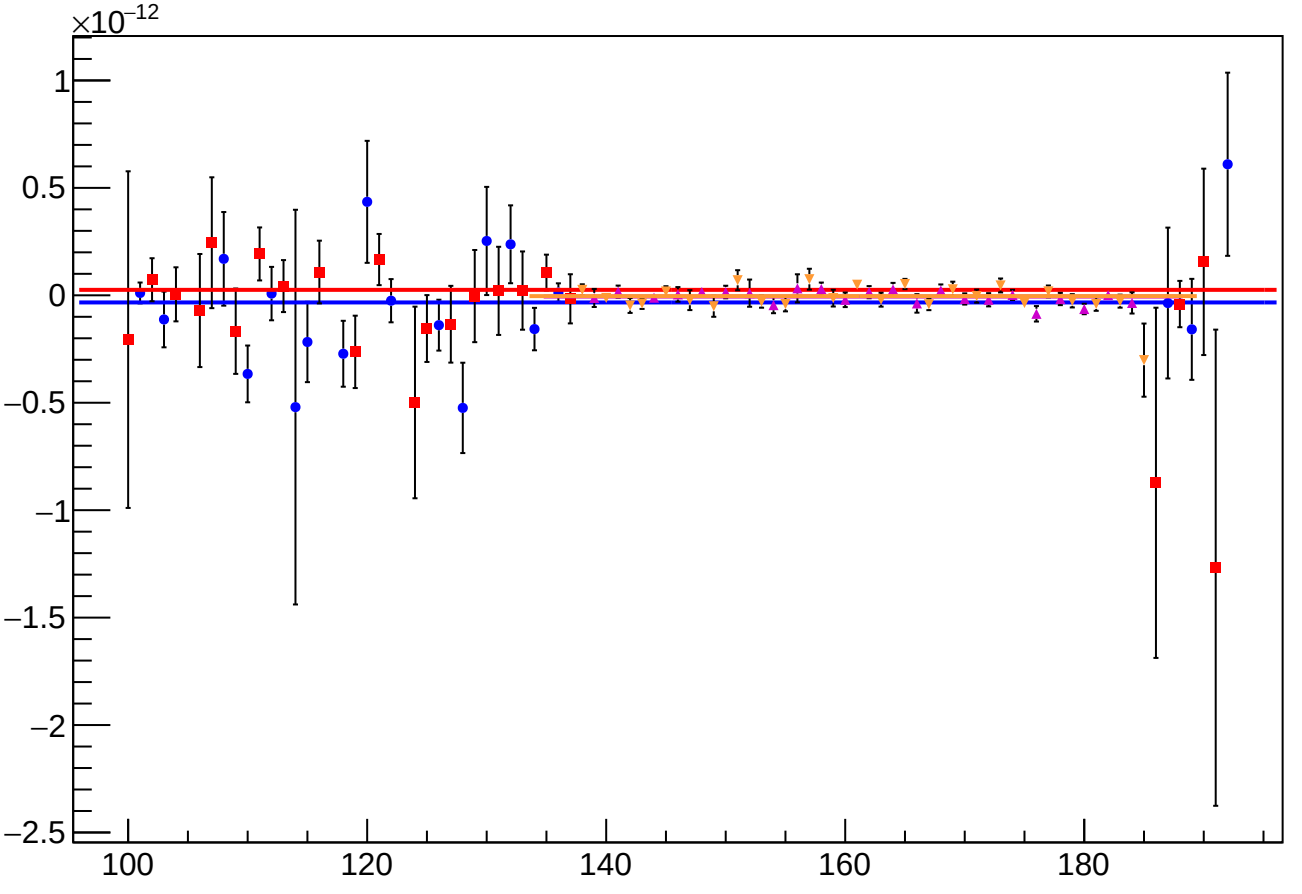
Right Out: 1625.684+/-0.390 χ^2/NDF: 1404551.3/22

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 944.619+/-0.132 χ^2/NDF: 4789914.9/43

All: 953.153+/-0.095 χ^2/NDF: 10100300.6/89

- sign 962.256+/-0.136 χ^2/NDF: 5301717.1/45



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

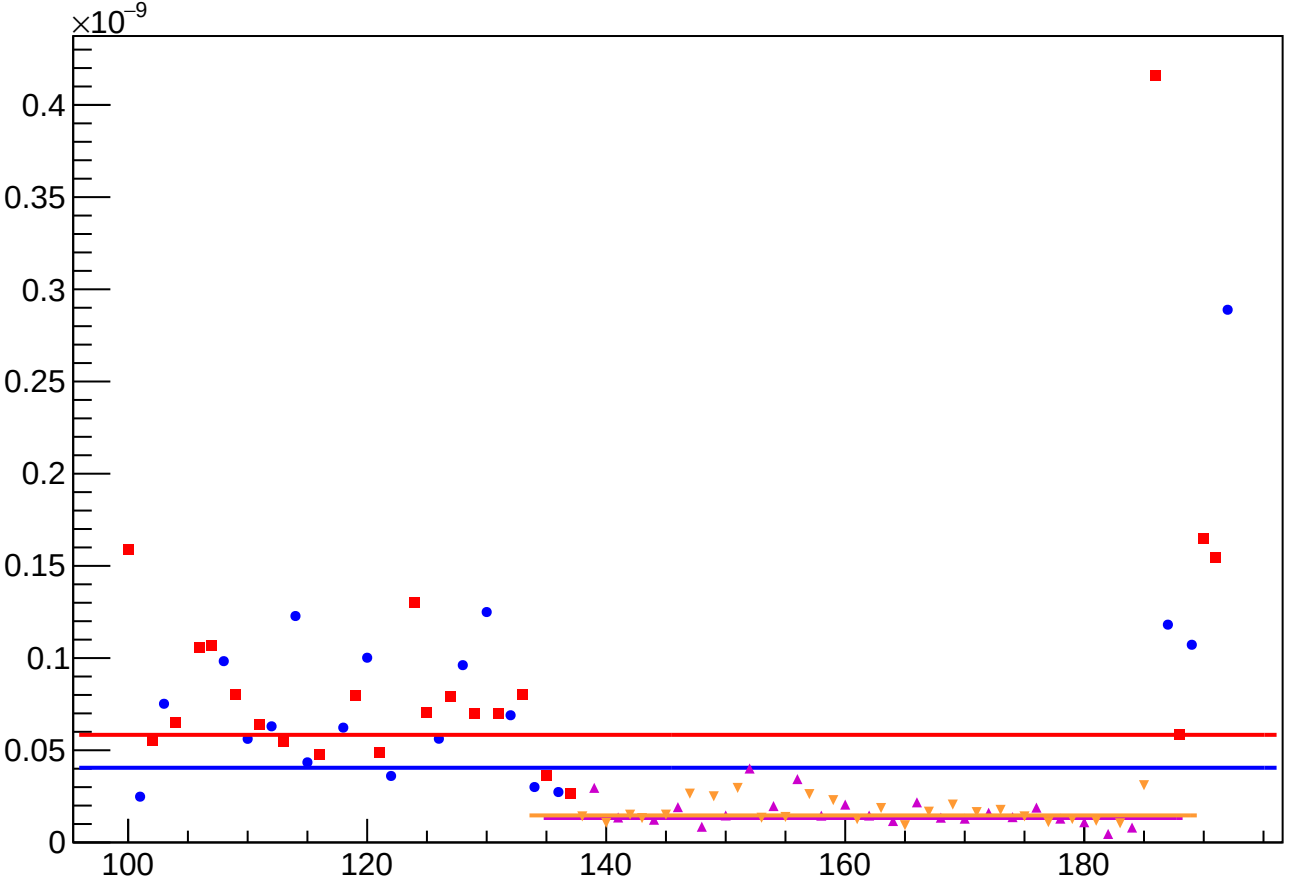
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.0/43

All: -0.000+/-0.000 χ^2/NDF: 107.7/89

- sign -0.000+/-0.000 χ^2/NDF: 37.6/45

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2333444.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

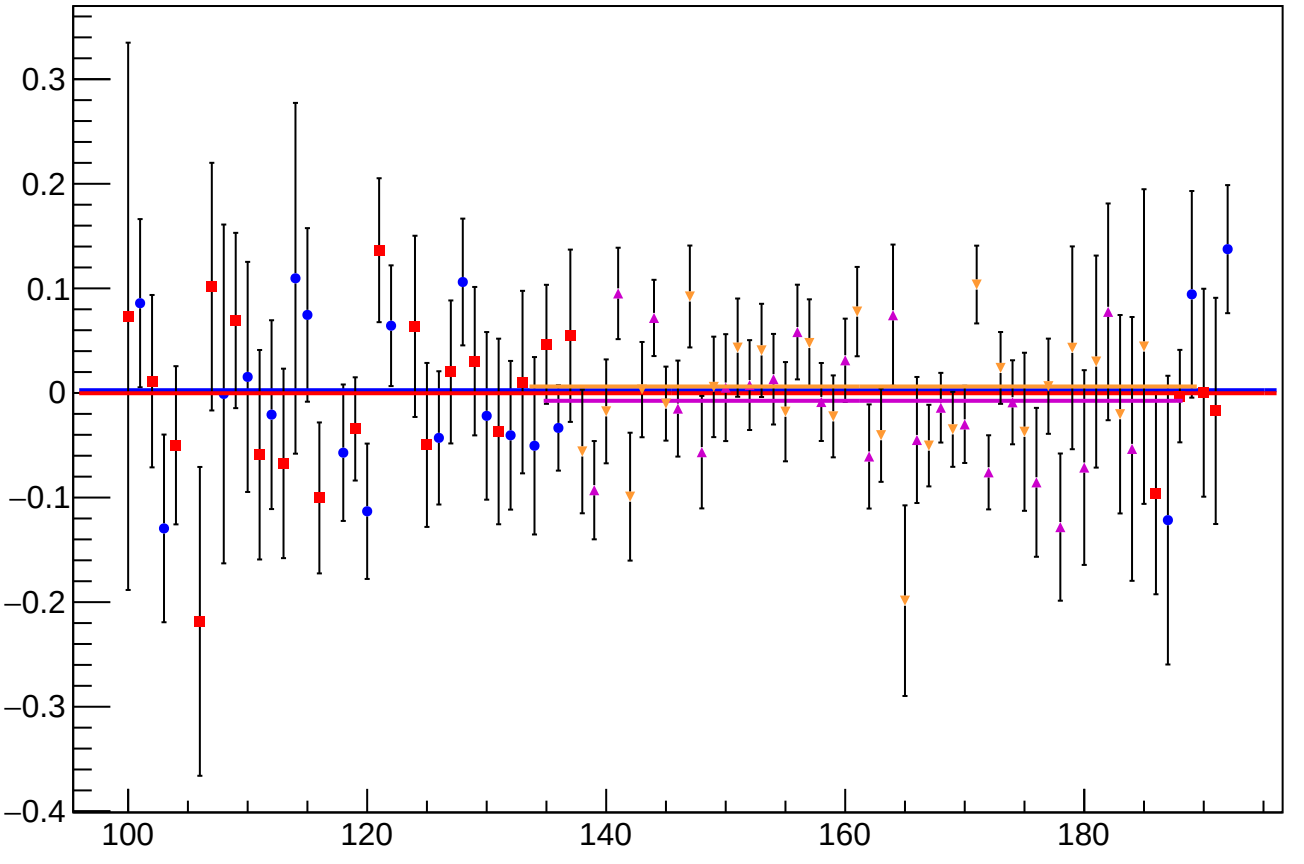
Right Out: 0.000+/-0.000 χ^2/NDF: 1185865.0/22

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5458664.7/43

All: 0.000+/-0.000 χ^2/NDF: 12474080.8/89

- sign 0.000+/-0.000 χ^2/NDF: 6965788.3/45



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

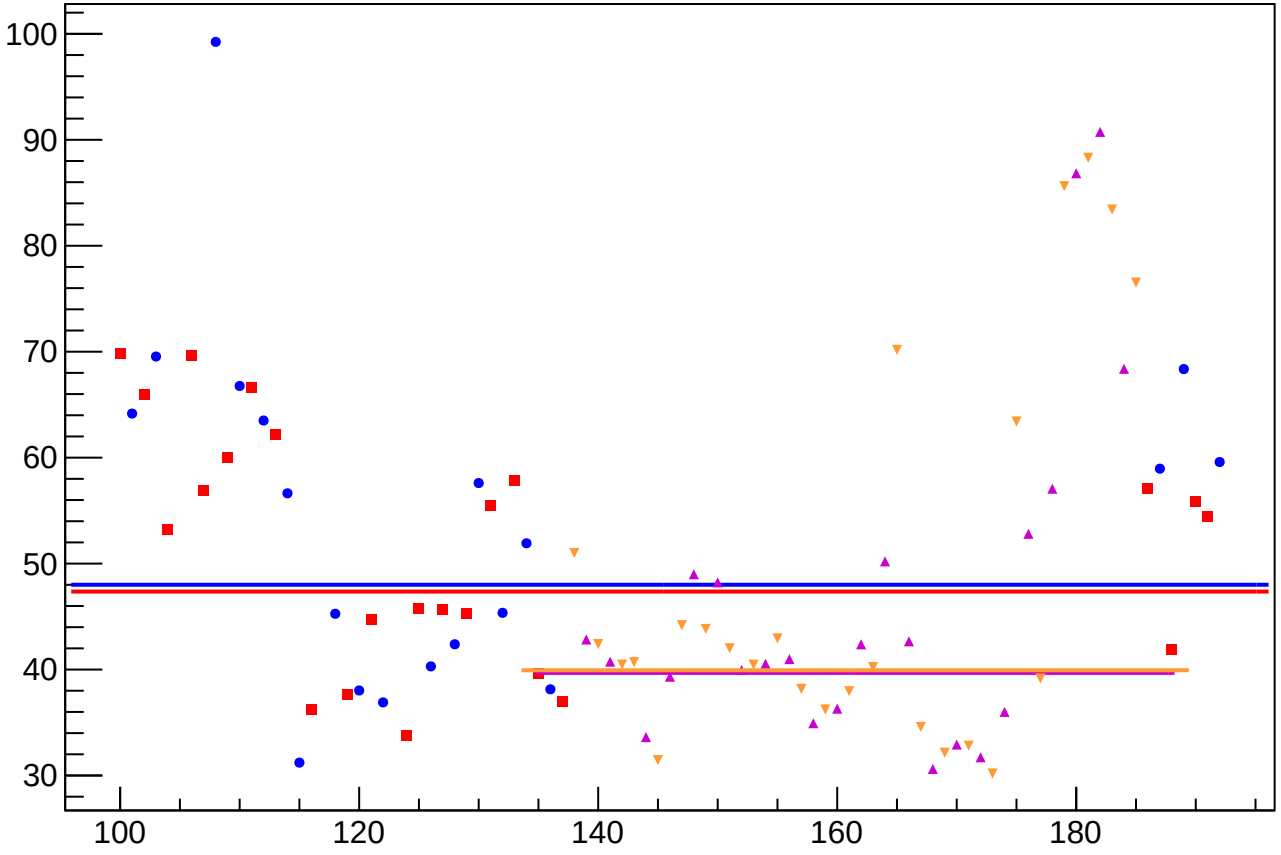
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.1/43

All: -0.000+/-0.006 χ^2/NDF: 98.4/89

- sign -0.006+/-0.008 χ^2/NDF: 45.5/45

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 48.003+/-0.012 χ^2/NDF: 1093810.0/18

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

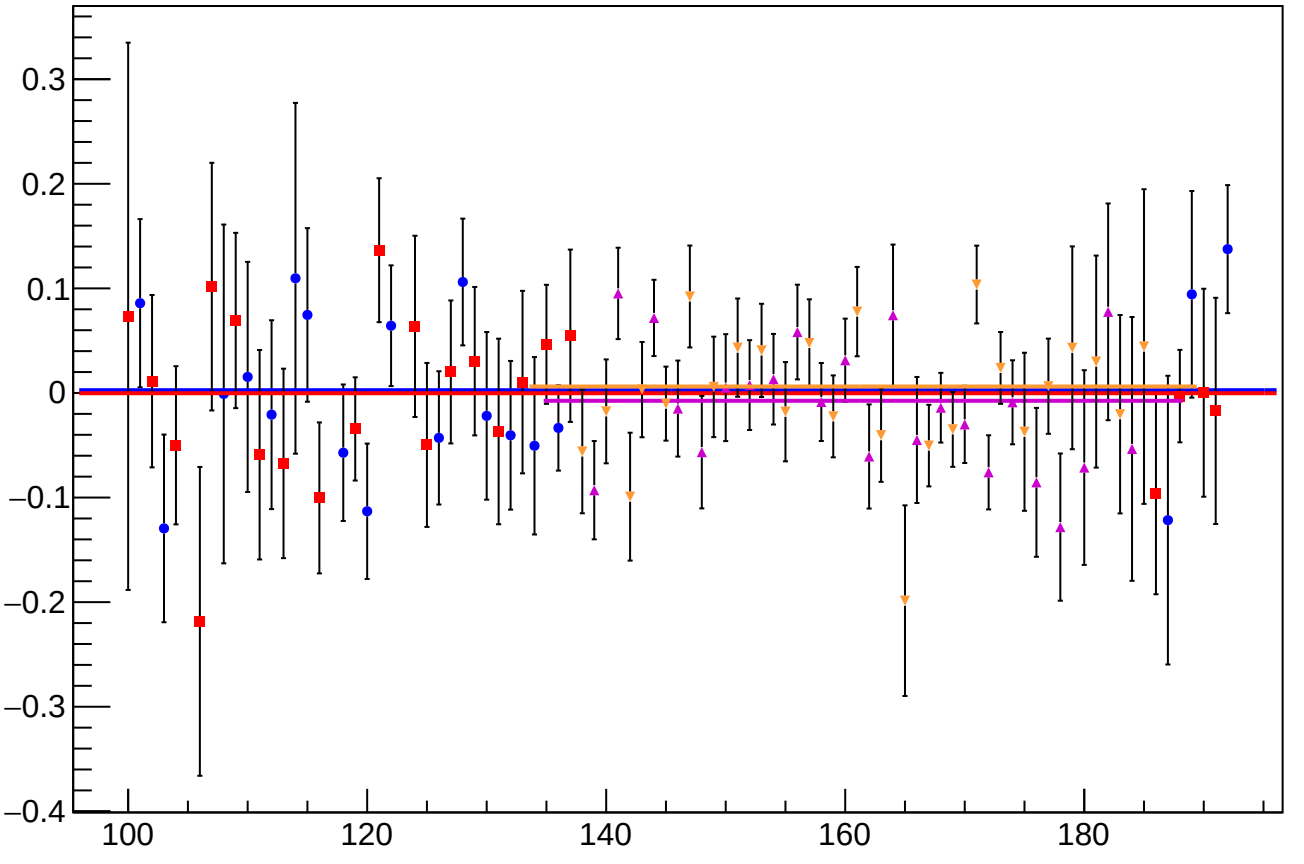
Right Out: 47.360+/-0.011 χ^2/NDF: 728409.8/22

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.895+/-0.006 χ^2/NDF: 3915528.2/43

All: 41.825+/-0.004 χ^2/NDF: 6892327.1/89

- sign 41.754+/-0.006 χ^2/NDF: 2976513.3/45



Right In: 0.003+/-0.017 χ^2/NDF: 21.2/18

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

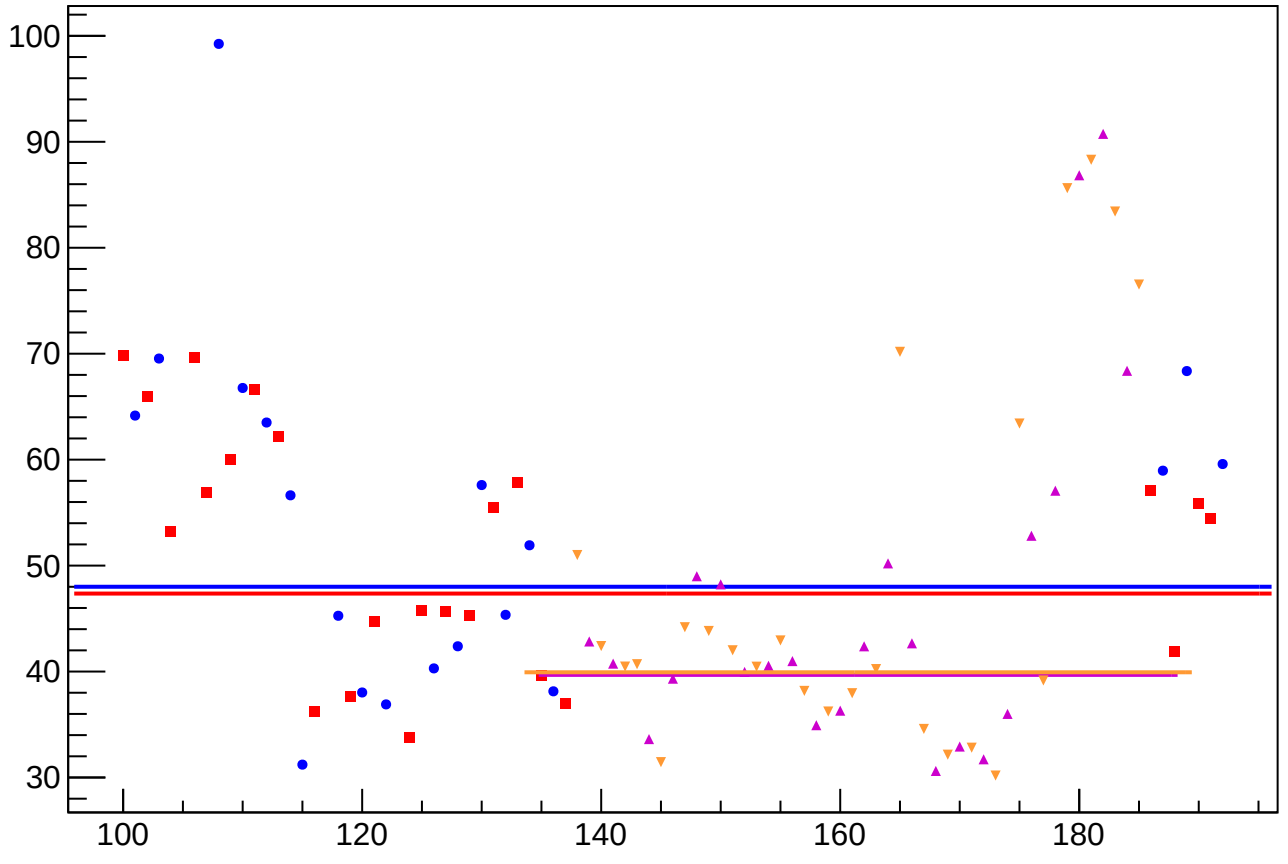
Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/22

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.1/43

All: -0.000+/-0.006 χ^2/NDF: 98.4/89

- sign -0.006+/-0.008 χ^2/NDF: 45.5/45



Right In: 48.003+/-0.012 χ^2/NDF: 1093810.0/18

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

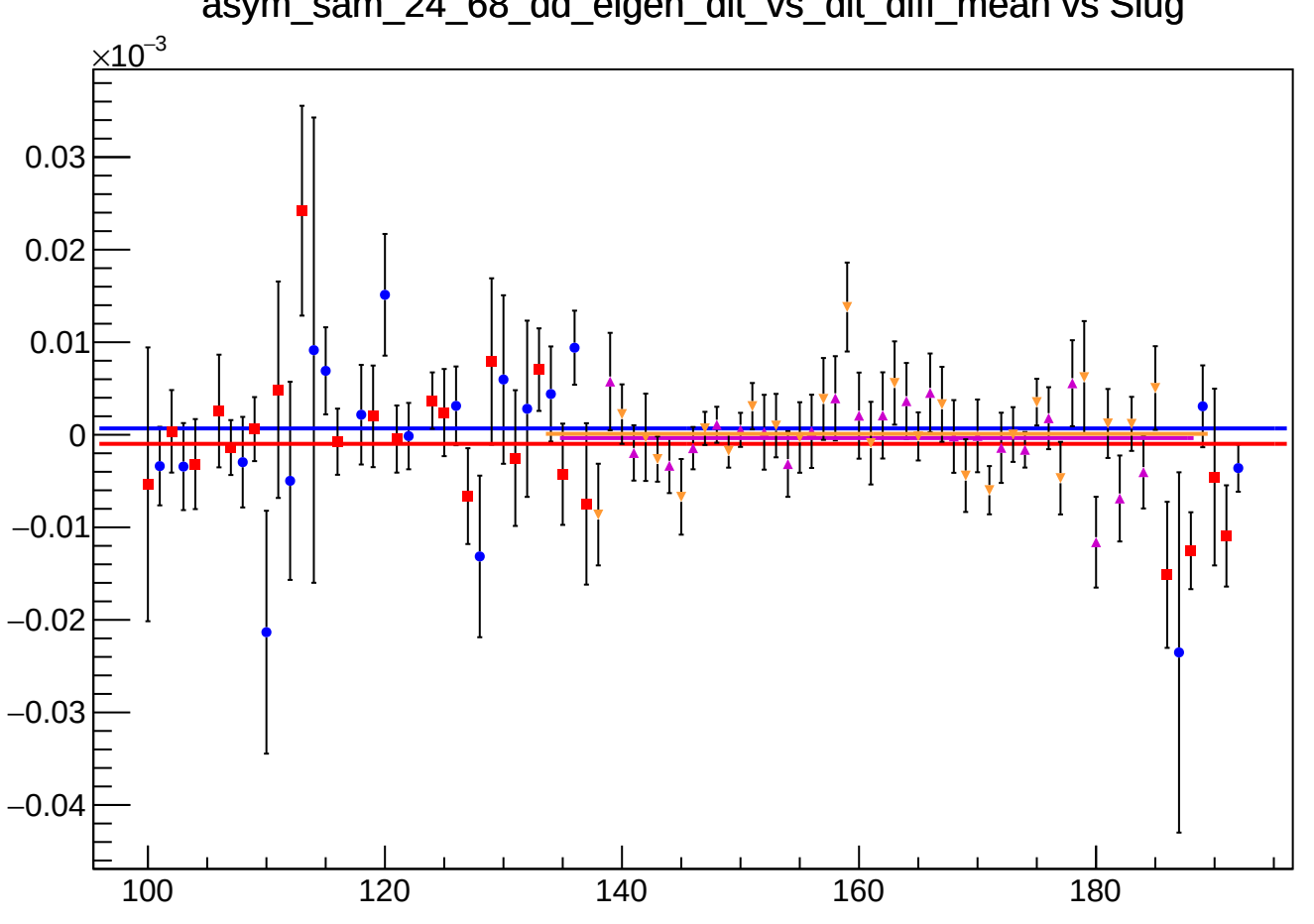
Right Out: 47.360+/-0.011 χ^2/NDF: 728409.8/22

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.895+/-0.006 χ^2/NDF: 3915528.2/43

All: 41.825+/-0.004 χ^2/NDF: 6892327.1/89

- sign 41.754+/-0.006 χ^2/NDF: 2976513.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 25.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

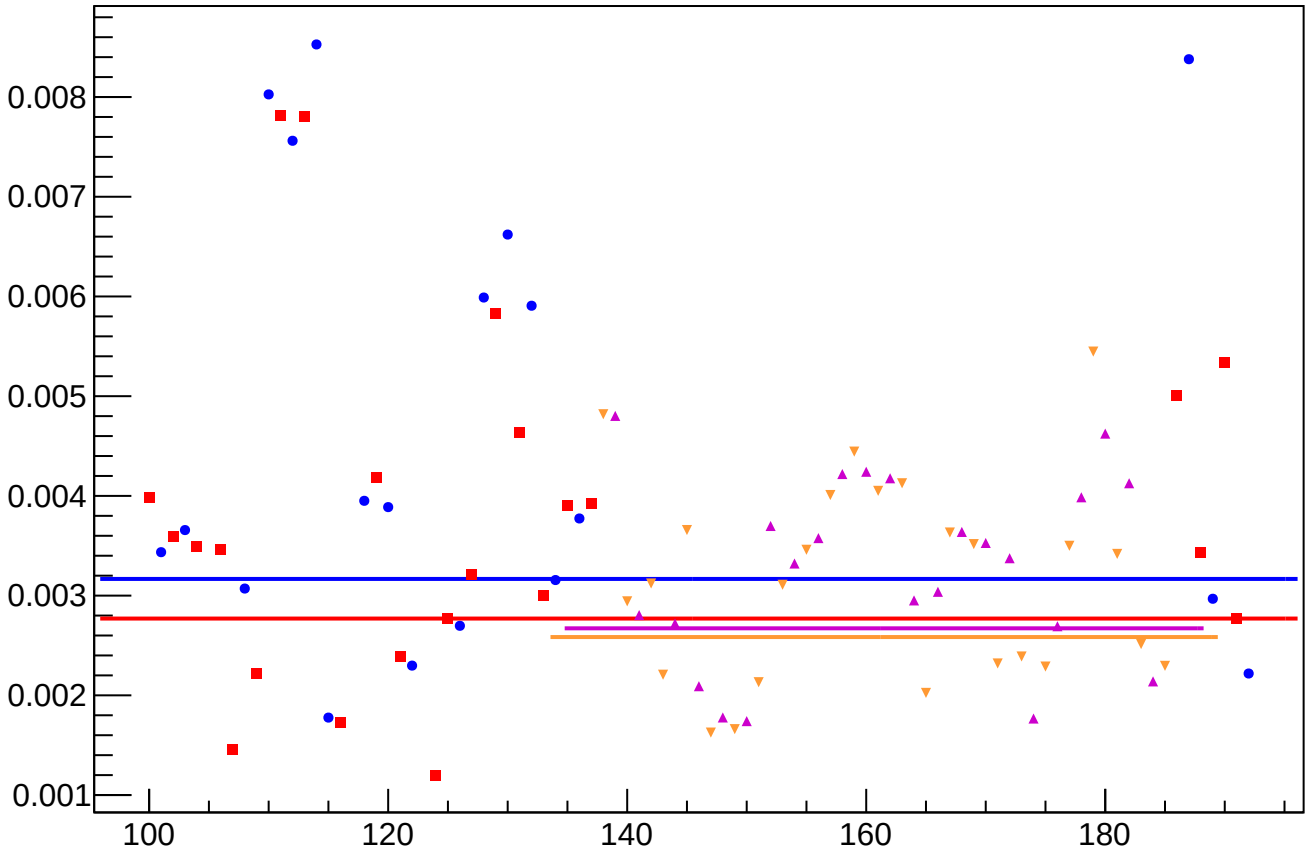
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/22

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.7/43

All: -0.000+/-0.000 χ^2/NDF: 108.7/89

- sign -0.000+/-0.000 χ^2/NDF: 49.1/45



Right In: 0.003+/-0.000 χ^2/NDF: 2247442.1/18

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

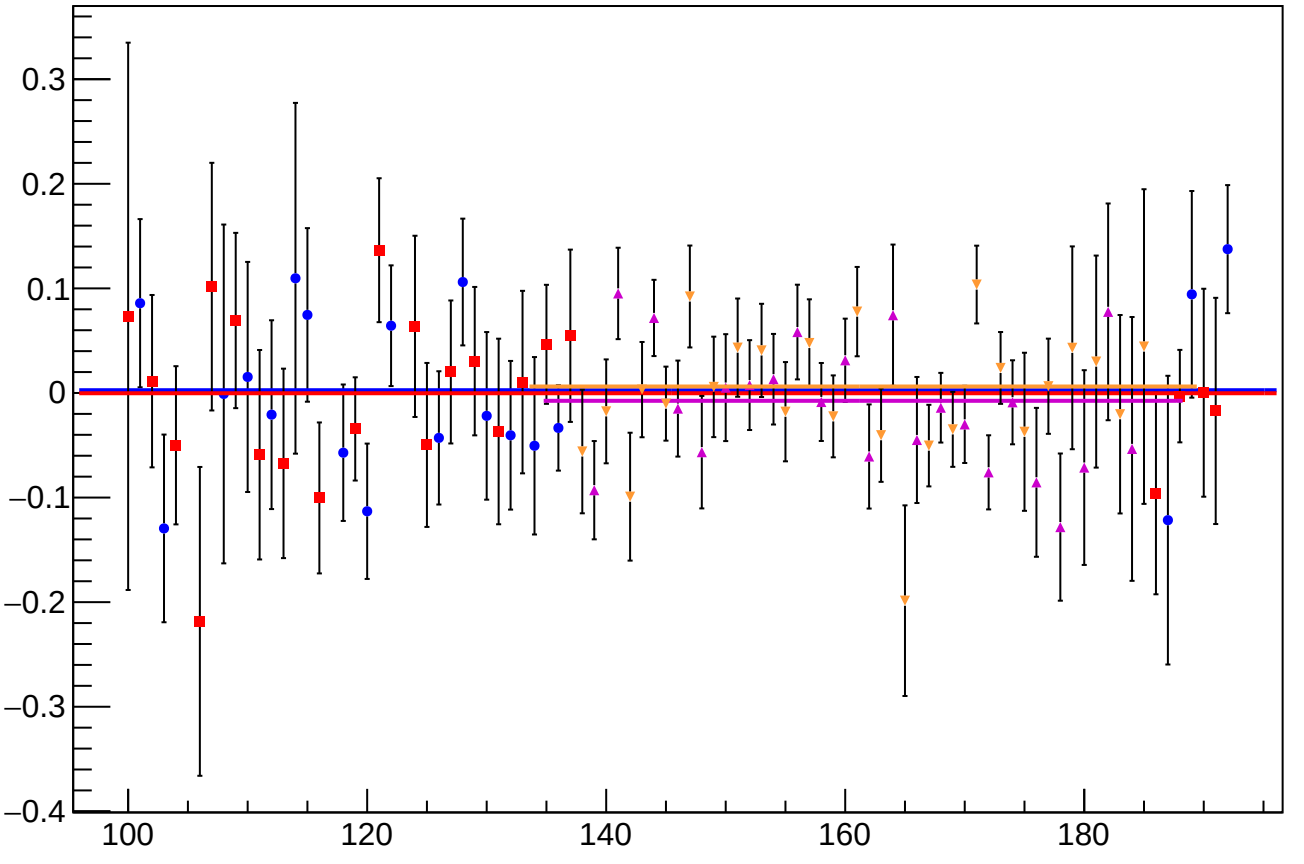
Right Out: 0.003+/-0.000 χ^2/NDF: 3079098.8/22

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 6528974.6/43

All: 0.003+/-0.000 χ^2/NDF: 13447236.2/89

- sign 0.003+/-0.000 χ^2/NDF: 6917638.4/45



Right In: 0.003+/-0.017 χ^2/NDF: 21.2/18

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

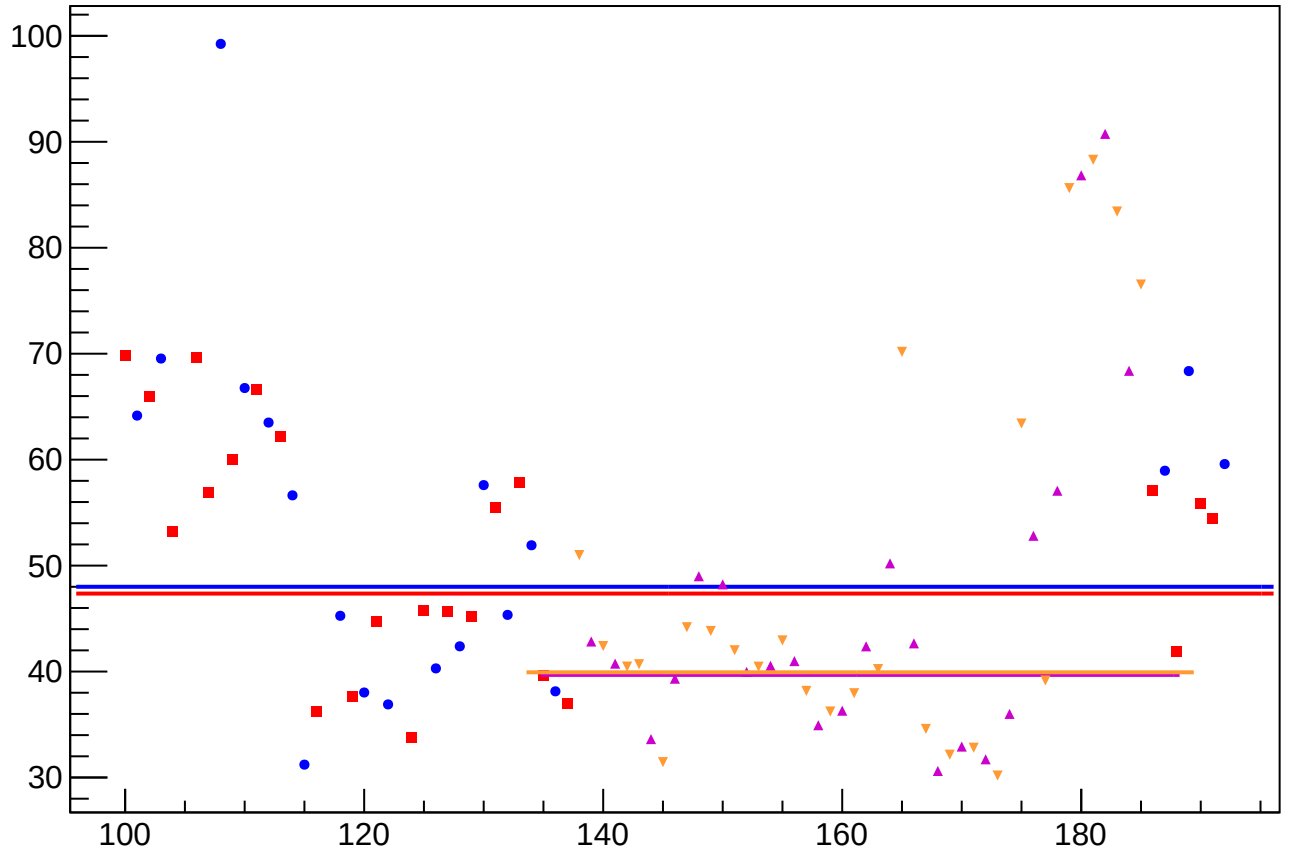
Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/22

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.1/43

All: -0.000+/-0.006 χ^2/NDF: 98.4/89

- sign -0.006+/-0.008 χ^2/NDF: 45.5/45



Right In: 48.002+/-0.012 χ^2/NDF: 1093802.7/18

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

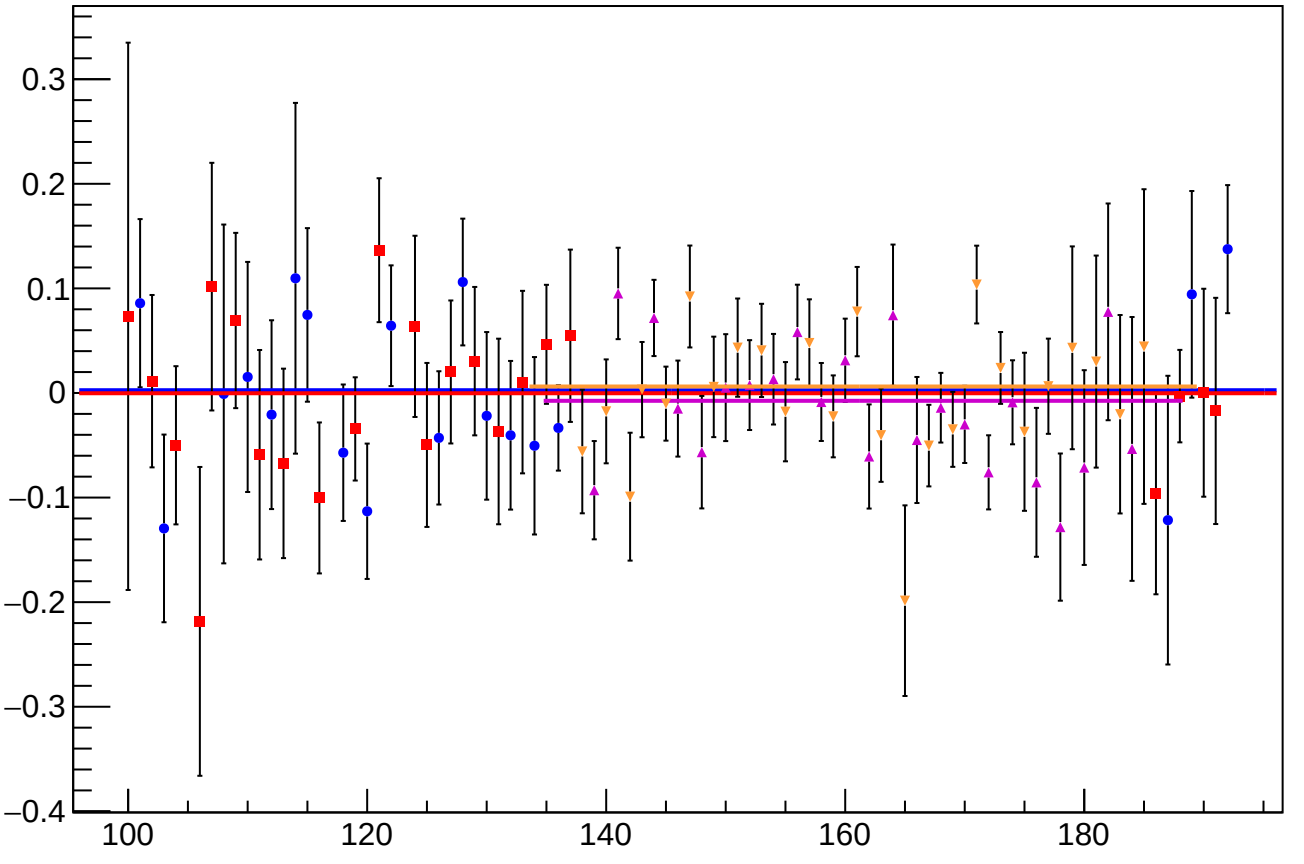
Right Out: 47.359+/-0.011 χ^2/NDF: 728393.1/22

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.895+/-0.006 χ^2/NDF: 3915436.9/43

All: 41.824+/-0.004 χ^2/NDF: 6892207.2/89

- sign 41.753+/-0.006 χ^2/NDF: 2976484.3/45



Right In: 0.003+/-0.017 χ^2/NDF: 21.2/18

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

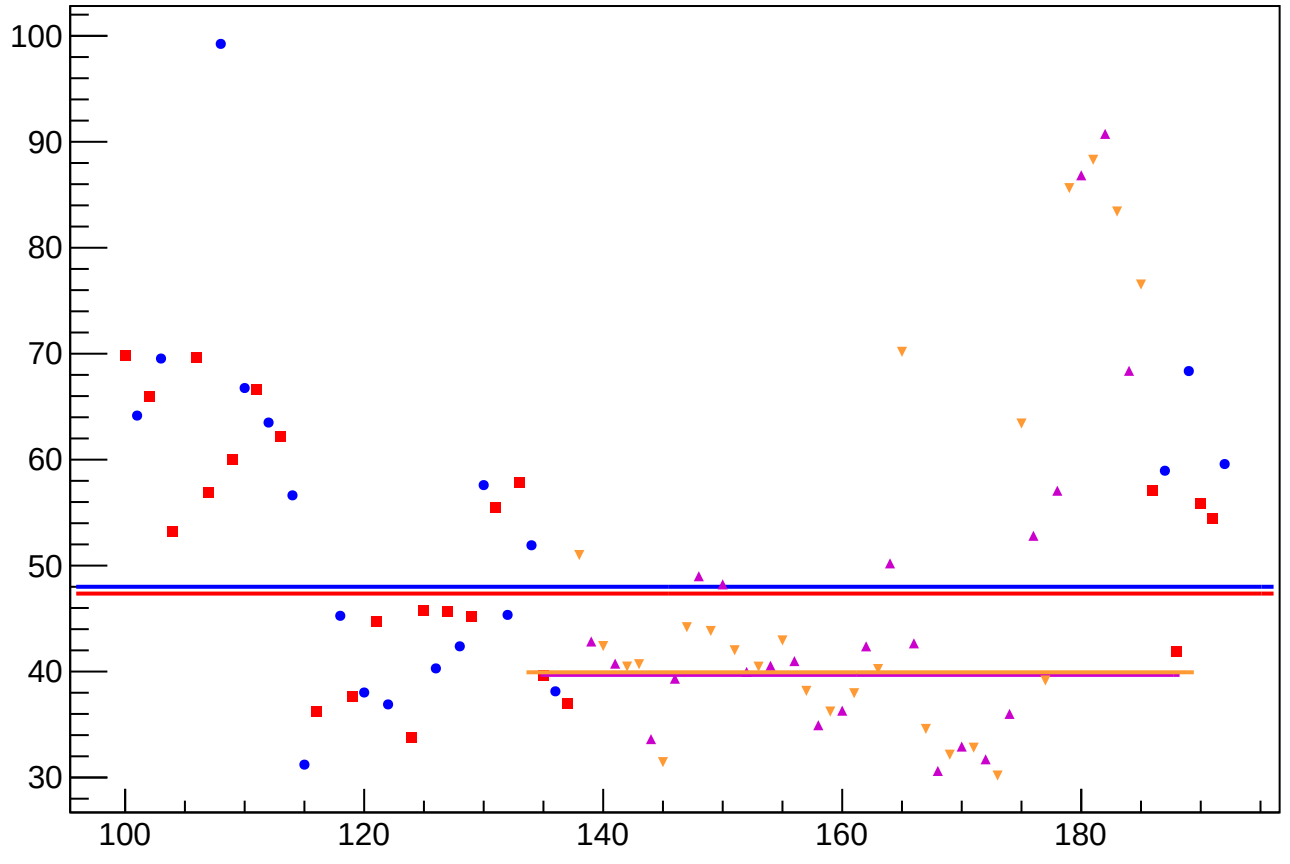
Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/22

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.1/43

All: -0.000+/-0.006 χ^2/NDF: 98.4/89

- sign -0.006+/-0.008 χ^2/NDF: 45.5/45



Right In: 48.002+/-0.012 χ^2/NDF: 1093802.7/18

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

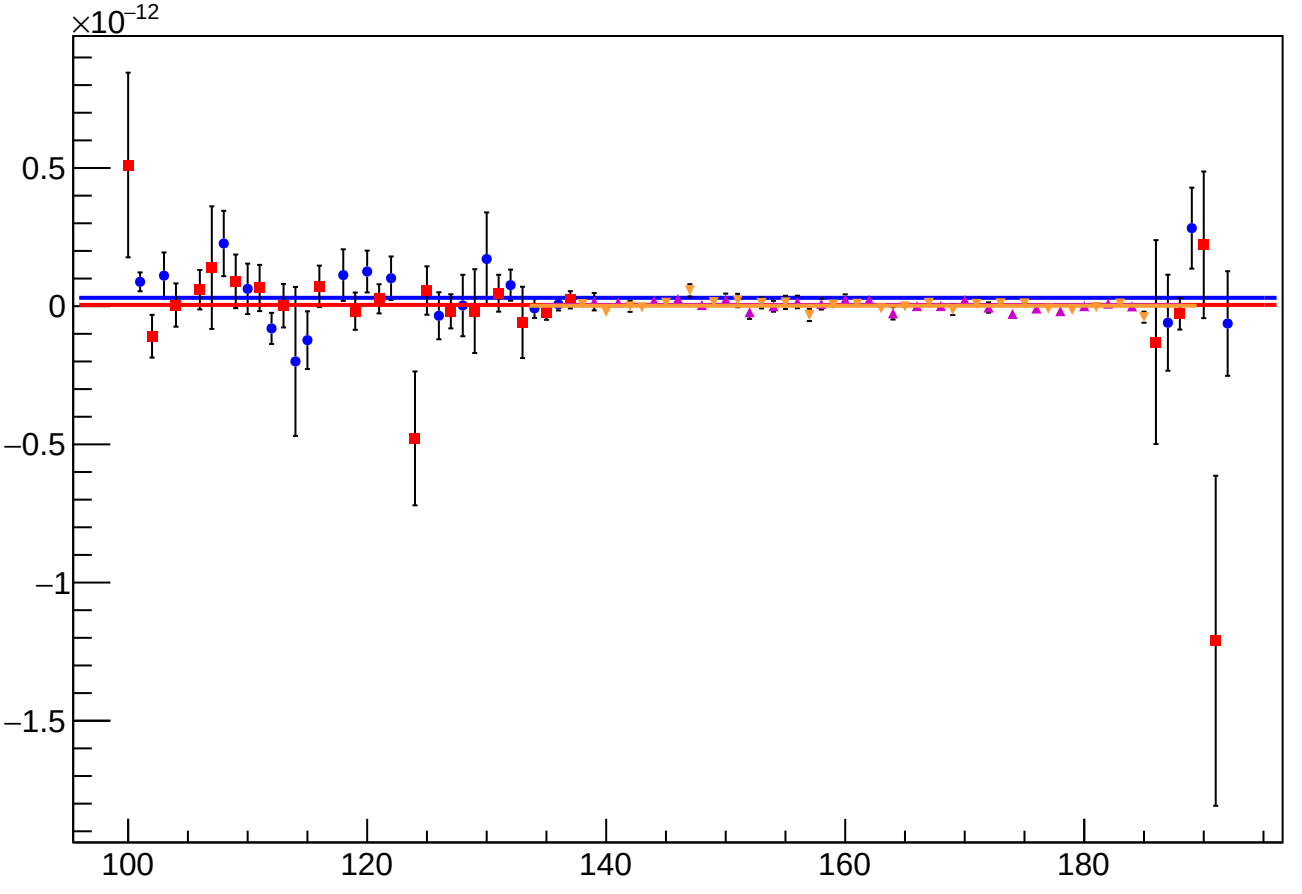
Right Out: 47.359+/-0.011 χ^2/NDF: 728393.1/22

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.895+/-0.006 χ^2/NDF: 3915436.9/43

All: 41.824+/-0.004 χ^2/NDF: 6892207.2/89

- sign 41.753+/-0.006 χ^2/NDF: 2976484.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 24.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

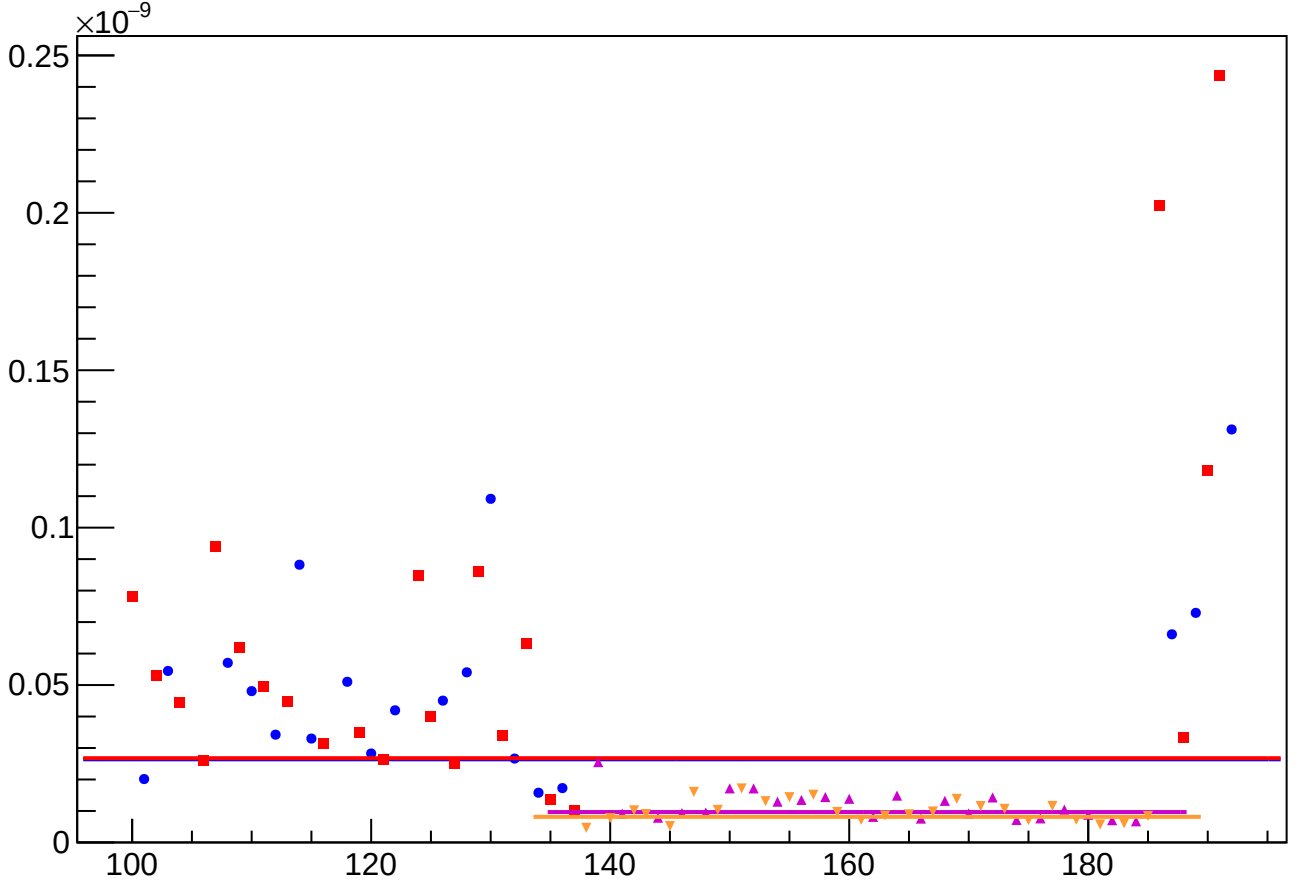
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/22

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.8/43

All: 0.000+/-0.000 χ^2/NDF: 103.9/89

- sign 0.000+/-0.000 χ^2/NDF: 47.0/45



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

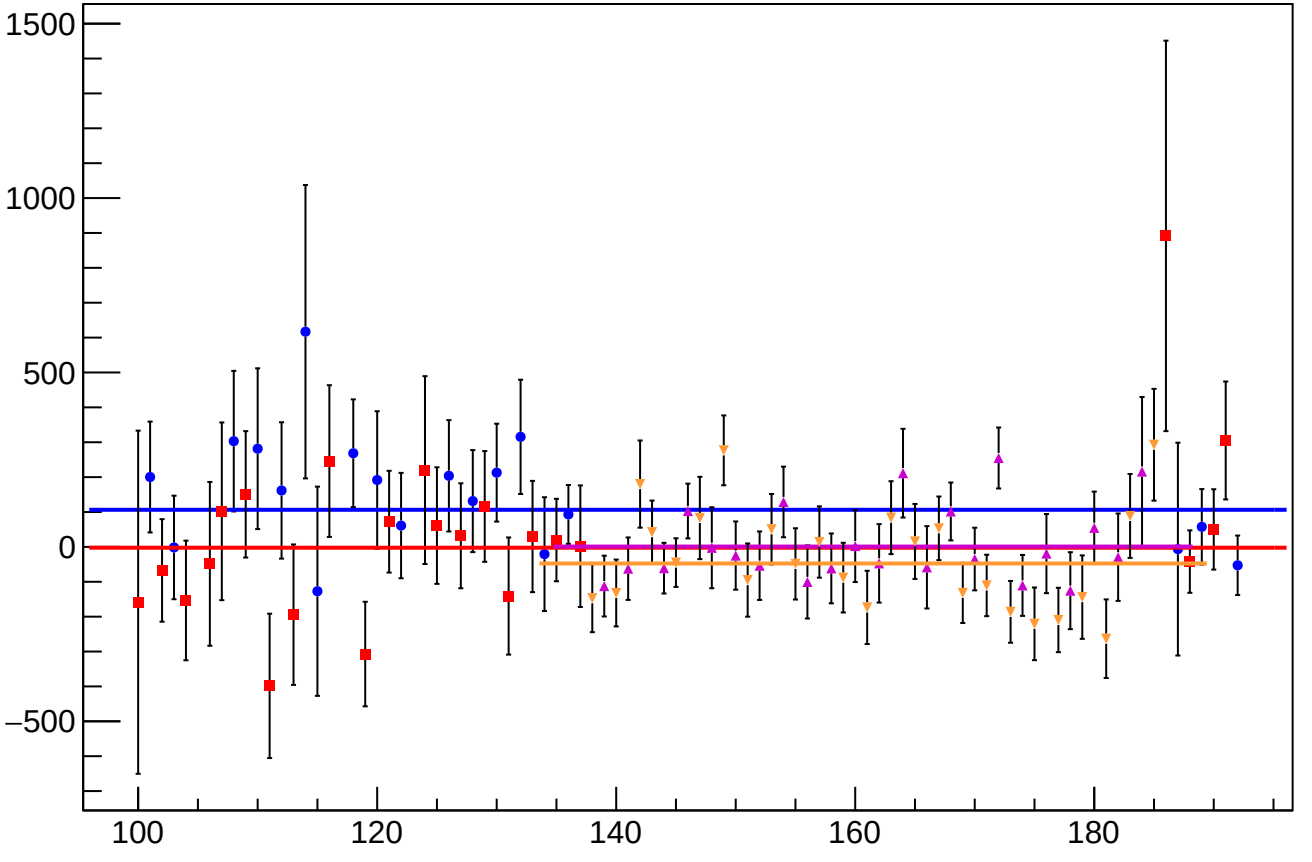
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8998717.4/43

All: 0.000+/-0.000 χ^2/NDF: 18139521.9/89

- sign 0.000+/-0.000 χ^2/NDF: 8785097.0/45

reg_asym_sam_26_48_dd_mean vs Slug



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

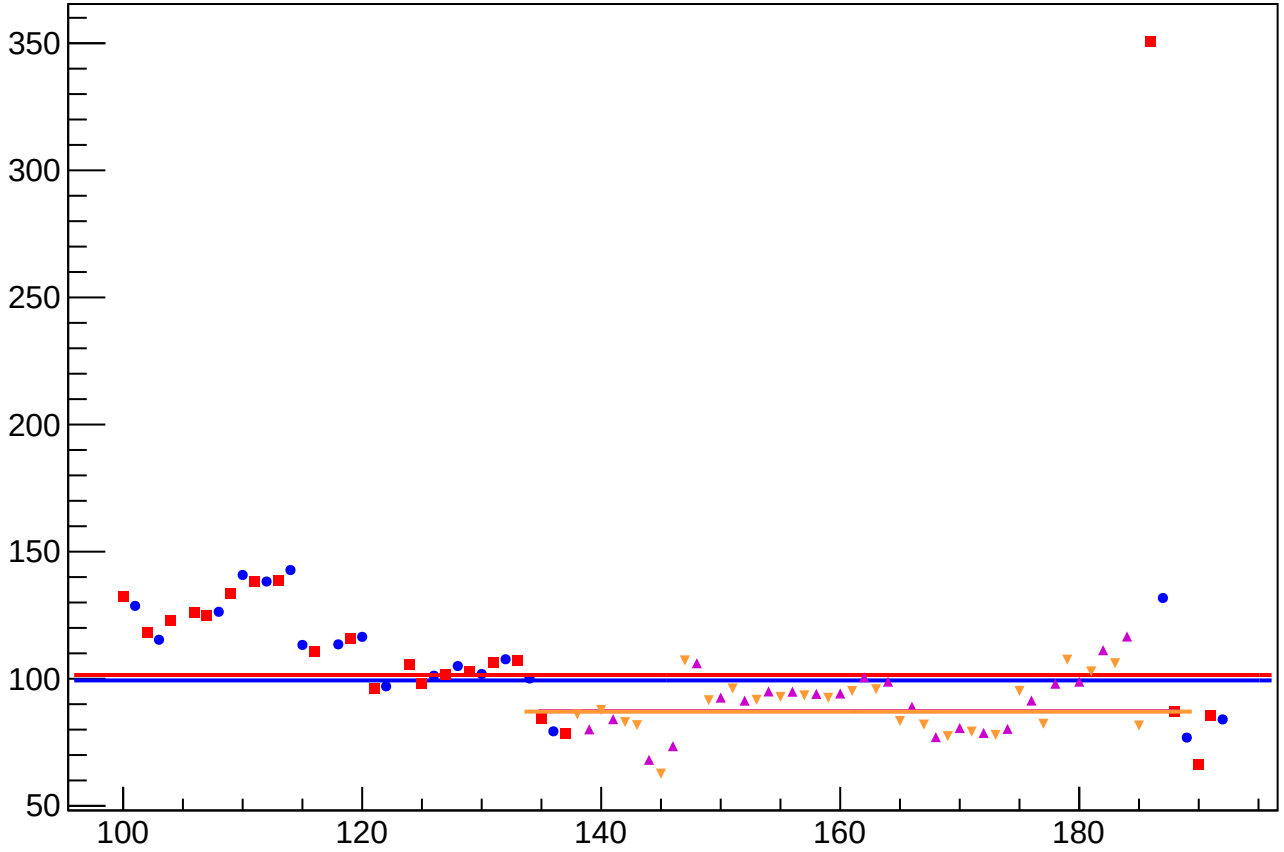
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -7.894+/-17.219 χ^2/NDF: 72.2/43

All: -3.989+/-12.320 χ^2/NDF: 118.6/89

- sign 0.105+/-17.634 χ^2/NDF: 46.2/45

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 99.349+/-0.024 χ^2/NDF: 624777.6/18

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

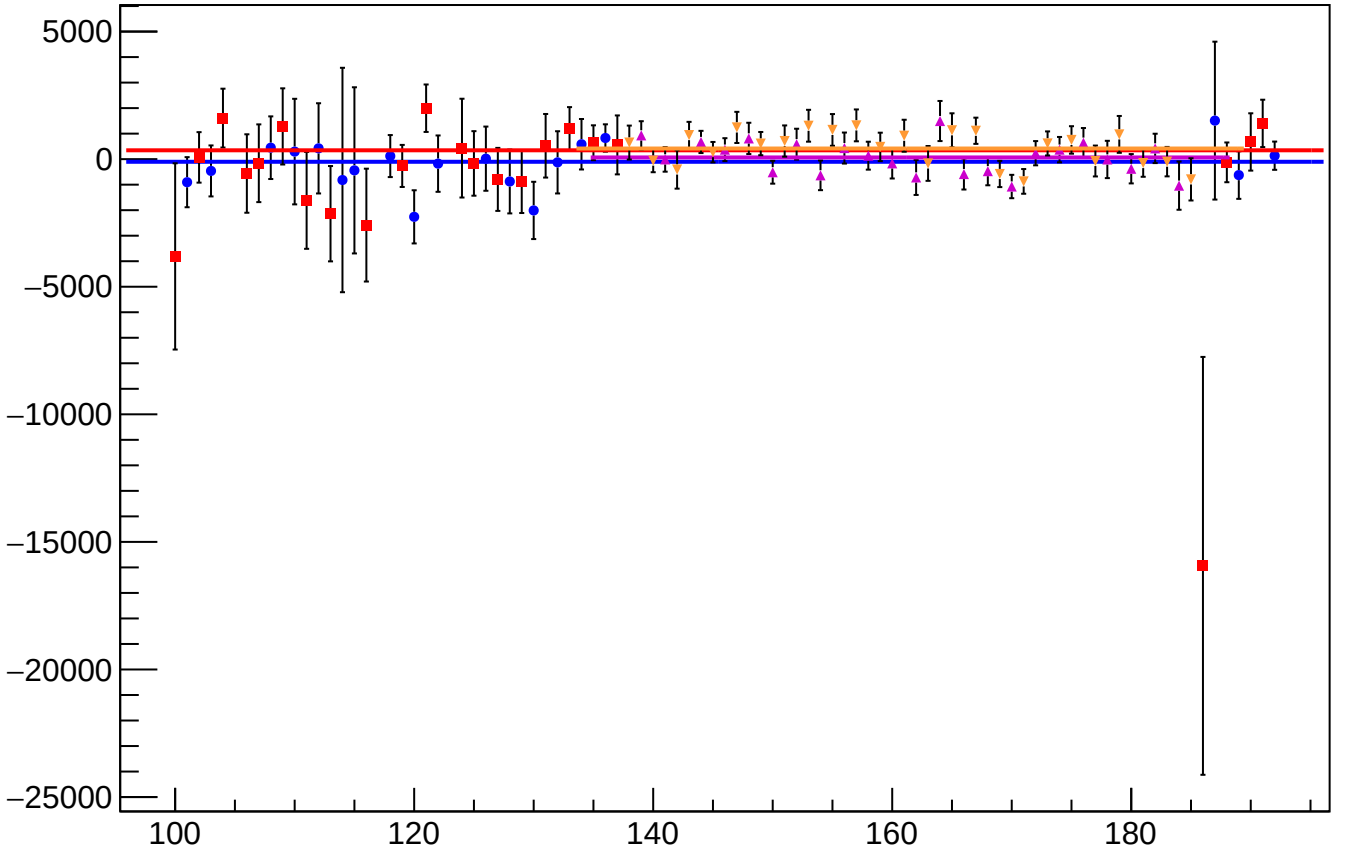
Right Out: 101.479+/-0.024 χ^2/NDF: 1059237.3/22

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.233+/-0.012 χ^2/NDF: 1439780.7/43

All: 90.637+/-0.009 χ^2/NDF: 3352032.8/89

- sign 91.062+/-0.012 χ^2/NDF: 1909991.3/45



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

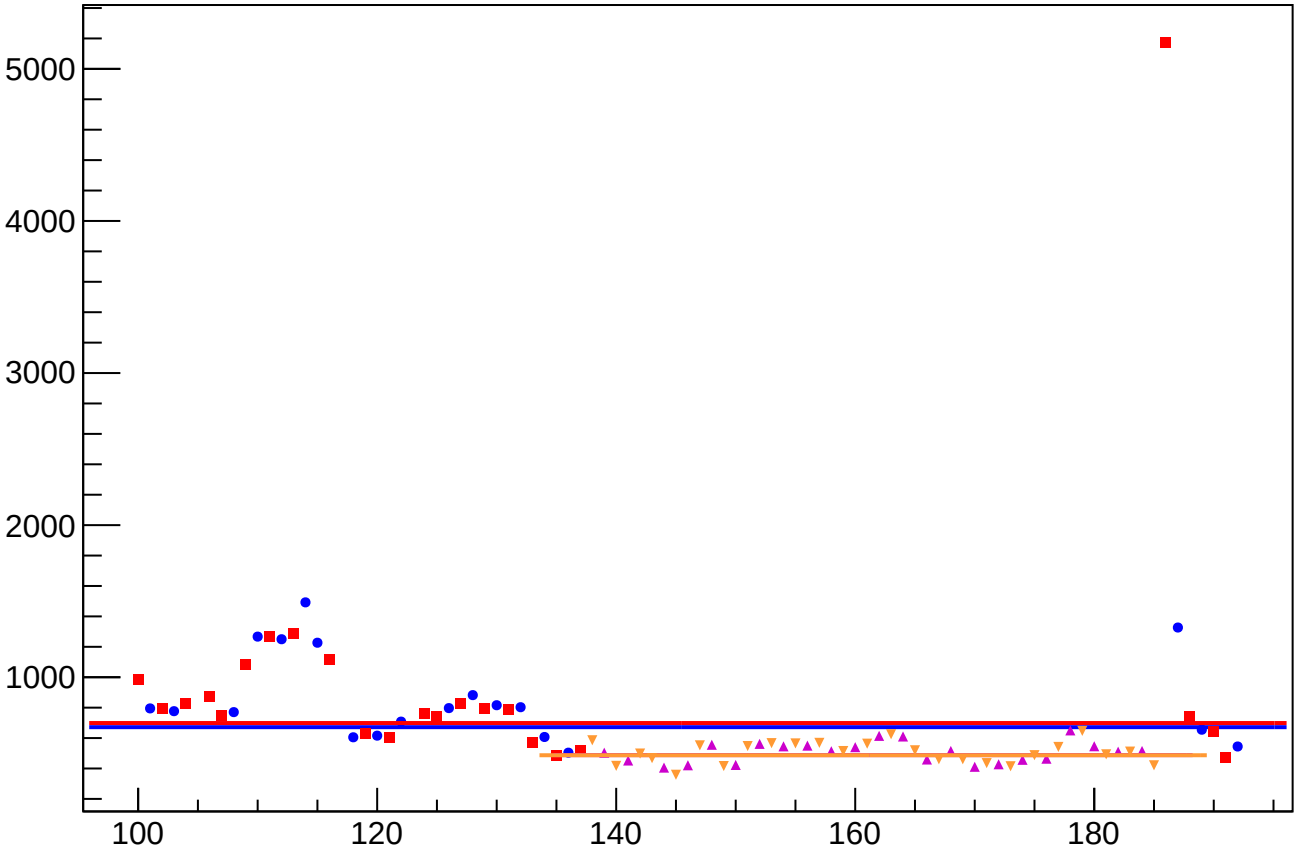
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 318.588+/-101.209 χ^2/NDF: 49.5/43

All: 221.627+/-72.545 χ^2/NDF: 100.8/89

- sign 119.166+/-104.039 χ^2/NDF: 49.3/45

asym_sam_26_48_dd_reg_correction_rms vs Slug



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

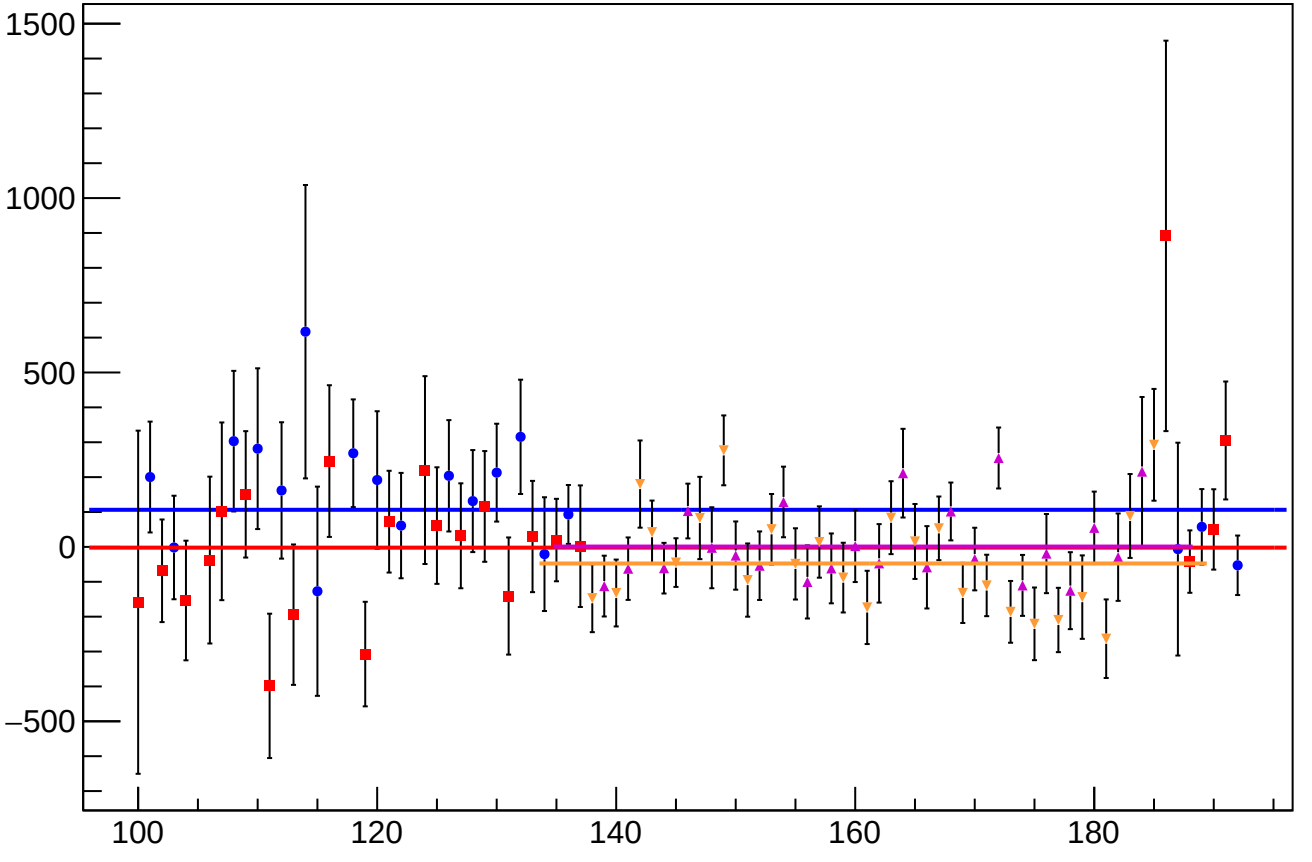
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 521.838+/-0.072 χ^2/NDF: 2965985.0/43

All: 524.577+/-0.051 χ^2/NDF: 6625056.4/89

- sign 527.472+/-0.074 χ^2/NDF: 3656058.4/45

cor_asym_sam_26_48_dd_mean vs Slug



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

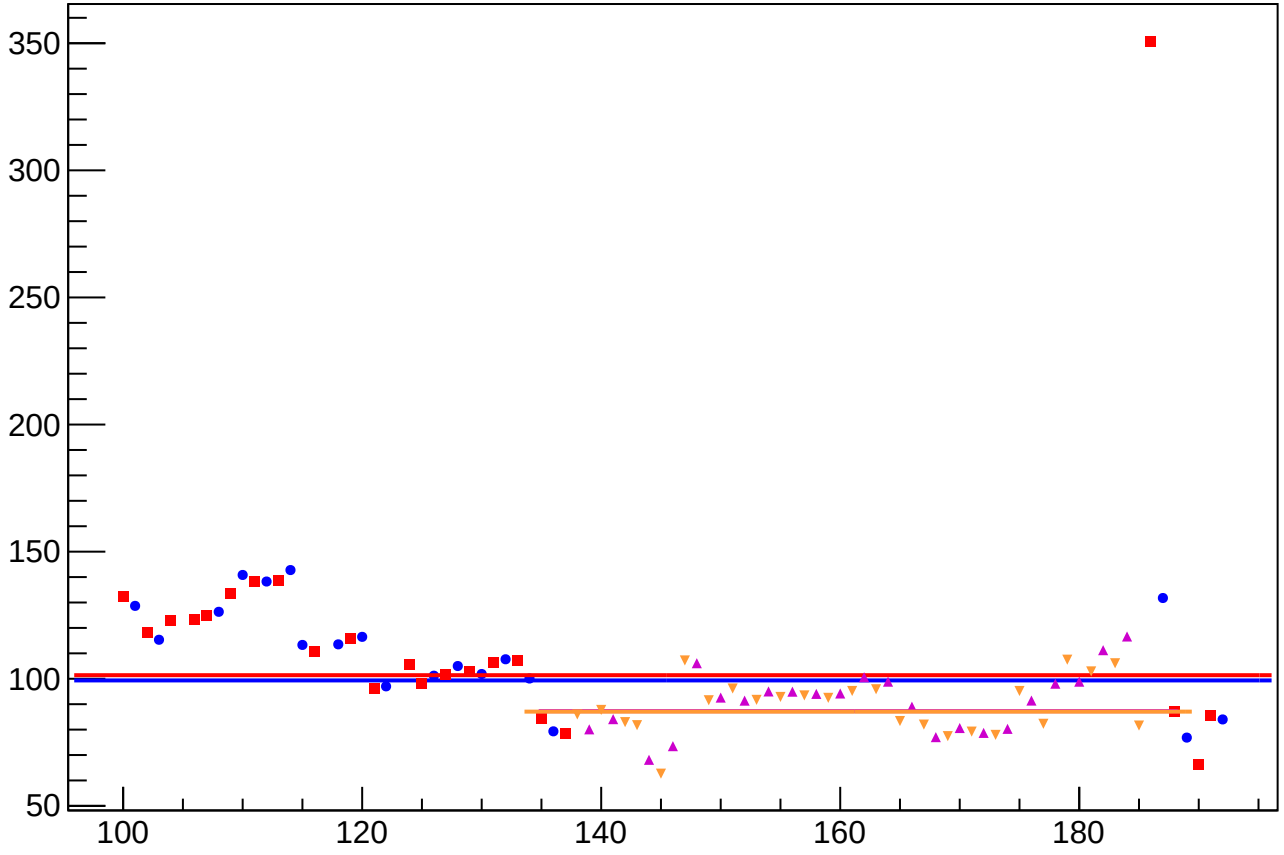
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.903+/-17.219 χ^2/NDF: 72.2/43

All: -3.968+/-12.320 χ^2/NDF: 118.6/89

- sign 0.160+/-17.635 χ^2/NDF: 46.2/45

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 99.349+/-0.024 χ^2/NDF: 624777.8/18

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

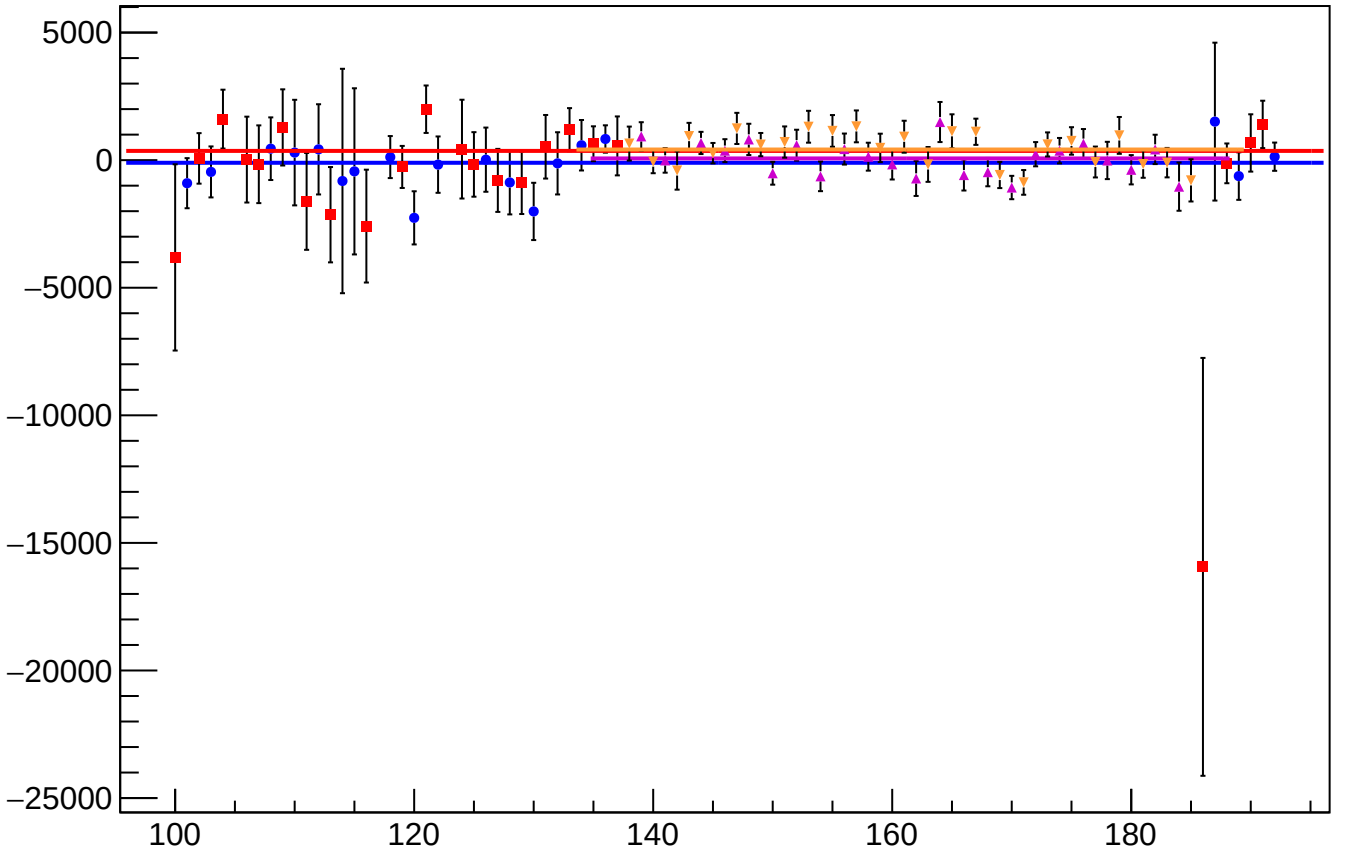
Right Out: 101.404+/-0.024 χ^2/NDF: 1053945.0/22

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.233+/-0.012 χ^2/NDF: 1439781.0/43

All: 90.626+/-0.009 χ^2/NDF: 3343791.0/89

- sign 91.039+/-0.012 χ^2/NDF: 1901869.3/45



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

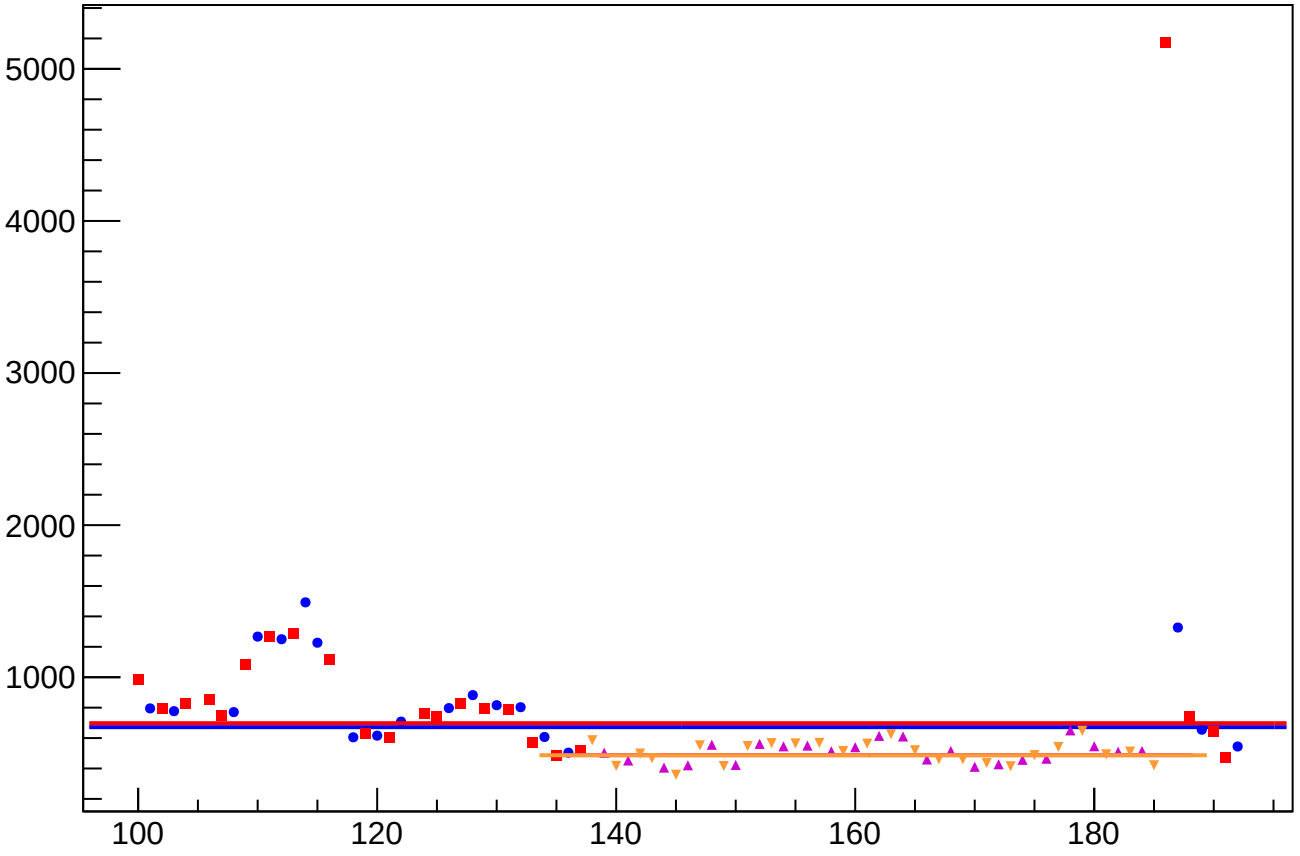
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 318.583+/-101.209 χ^2/NDF: 49.5/43

All: 222.998+/-72.559 χ^2/NDF: 100.5/89

- sign 121.914+/-104.079 χ^2/NDF: 49.1/45

asym_sam_26_48_dd_cor_correction_rms vs Slug



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

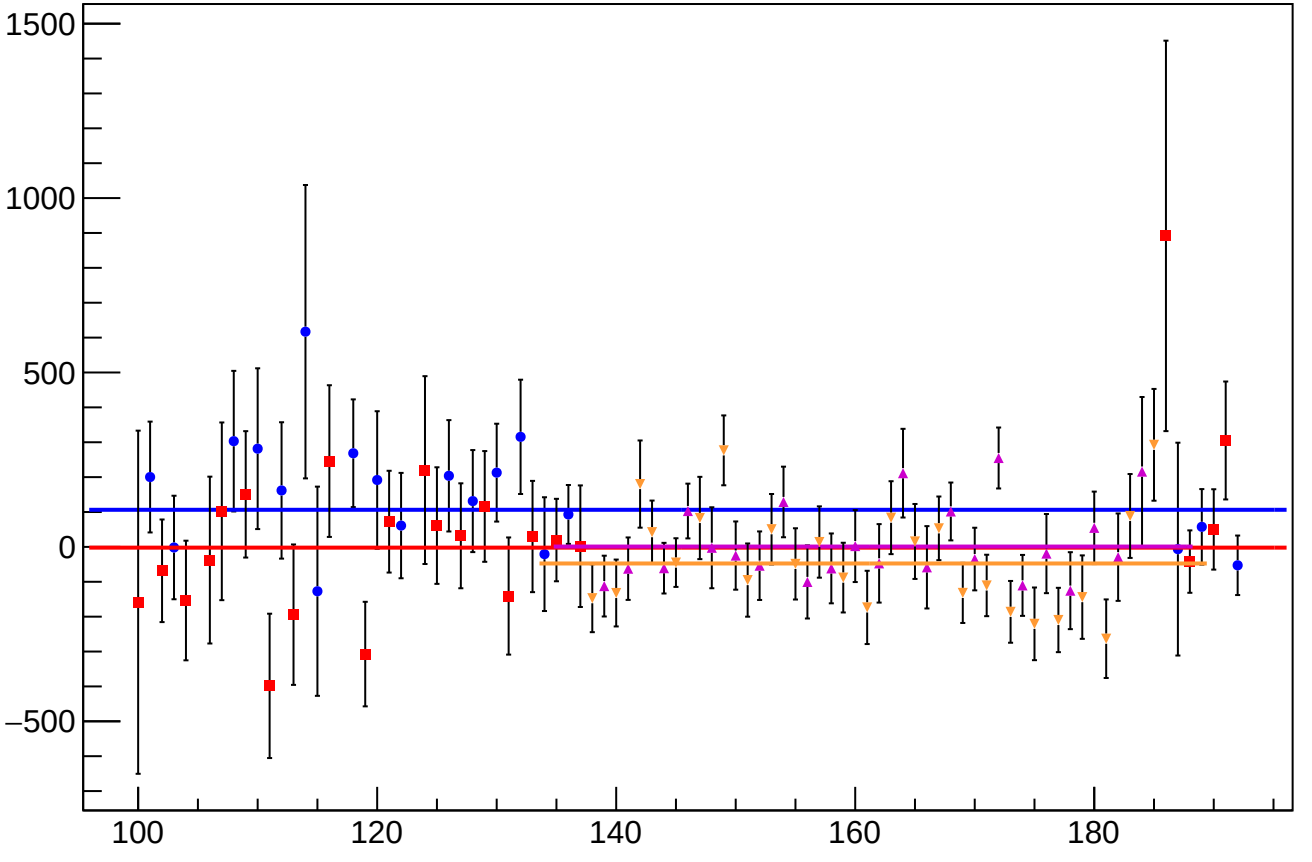
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 521.838+/-0.072 χ^2/NDF: 2965991.7/43

All: 524.411+/-0.051 χ^2/NDF: 6598523.4/89

- sign 527.132+/-0.074 χ^2/NDF: 3629871.9/45

eigen_cor_asym_sam_26_48_dd_mean vs Slug



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

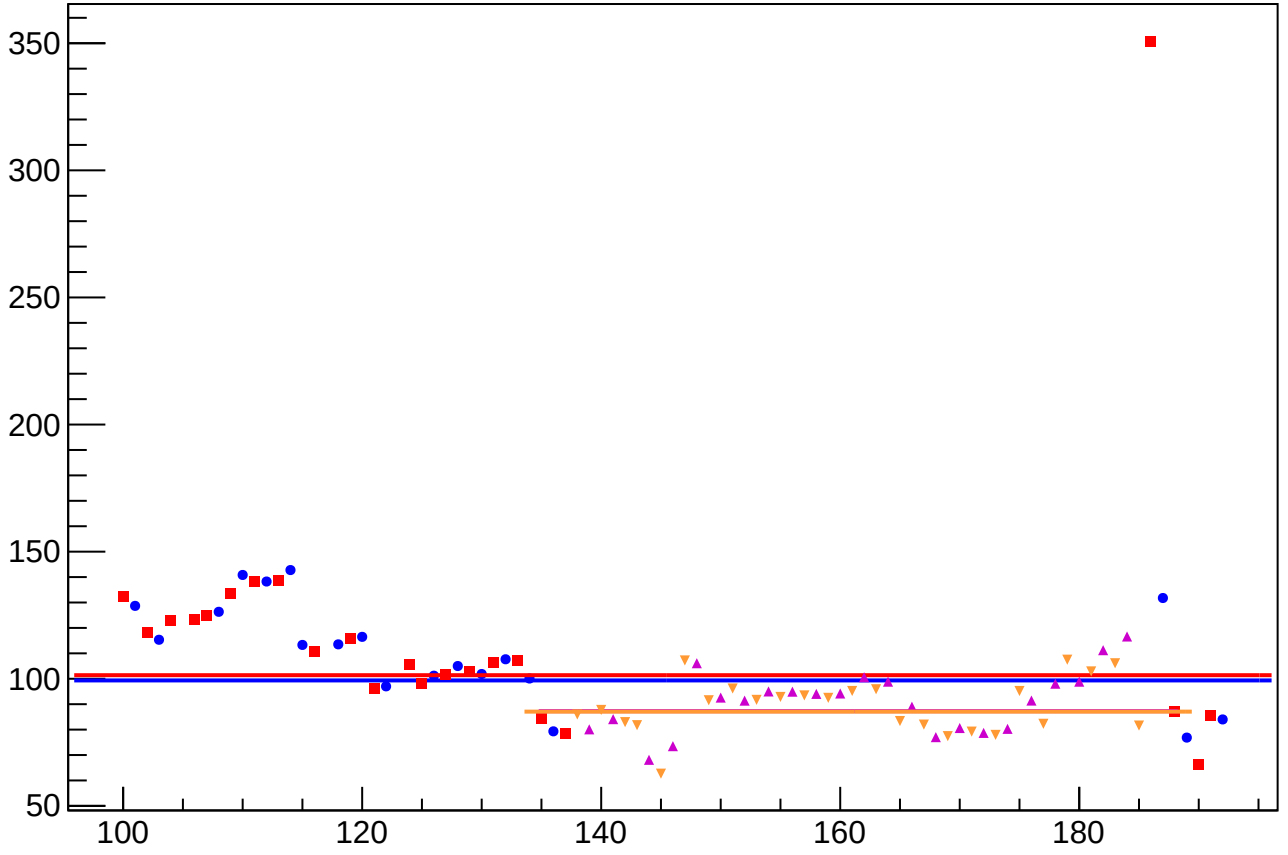
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.903+/-17.219 χ^2/NDF: 72.2/43

All: -3.968+/-12.320 χ^2/NDF: 118.6/89

- sign 0.160+/-17.635 χ^2/NDF: 46.2/45

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 99.349+/-0.024 χ^2/NDF: 624777.8/18

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

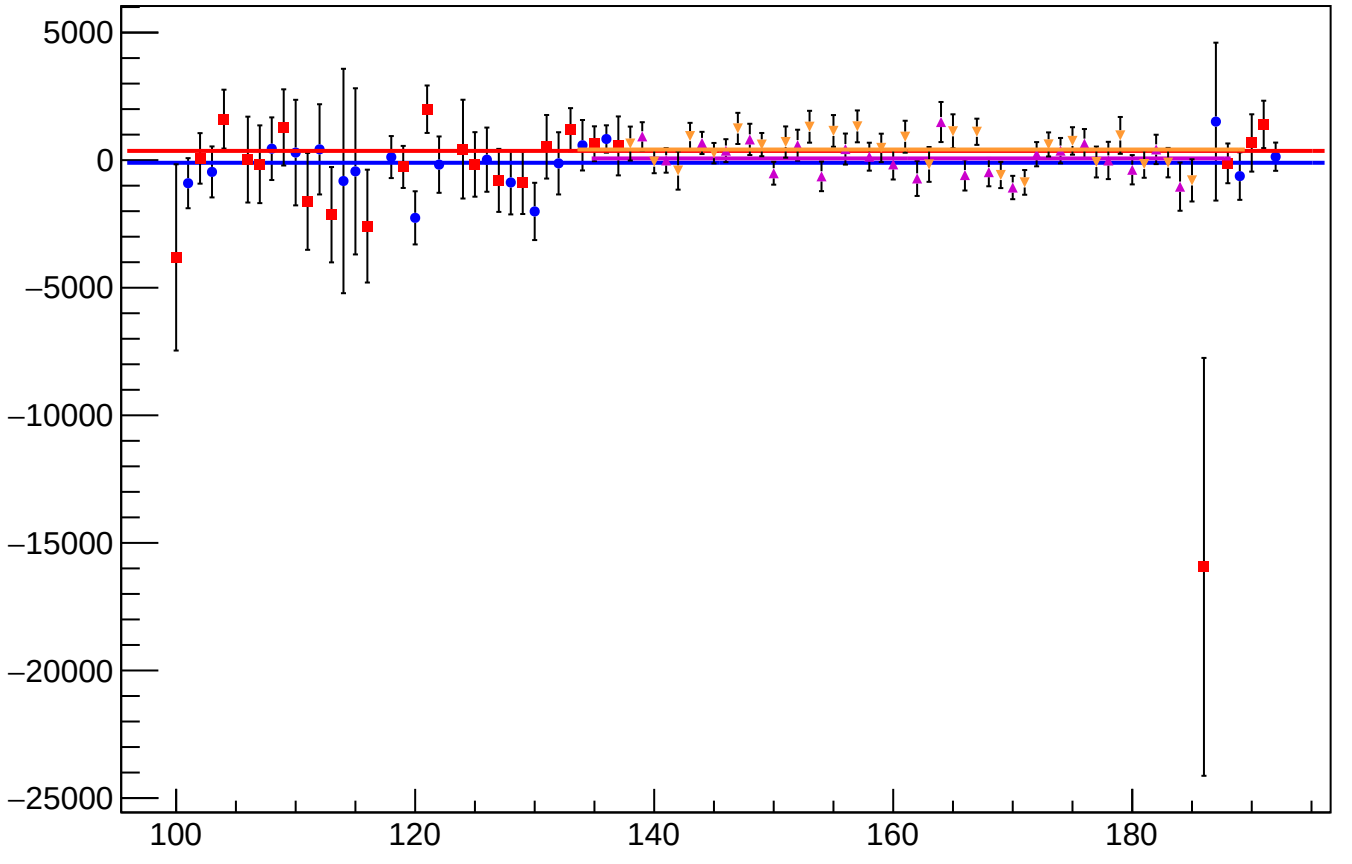
Right Out: 101.404+/-0.024 χ^2/NDF: 1053945.0/22

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.233+/-0.012 χ^2/NDF: 1439781.0/43

All: 90.626+/-0.009 χ^2/NDF: 3343791.0/89

- sign 91.039+/-0.012 χ^2/NDF: 1901869.3/45



Right In: -103.160+/-233.237 χ^2/NDF: 13.1/18

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

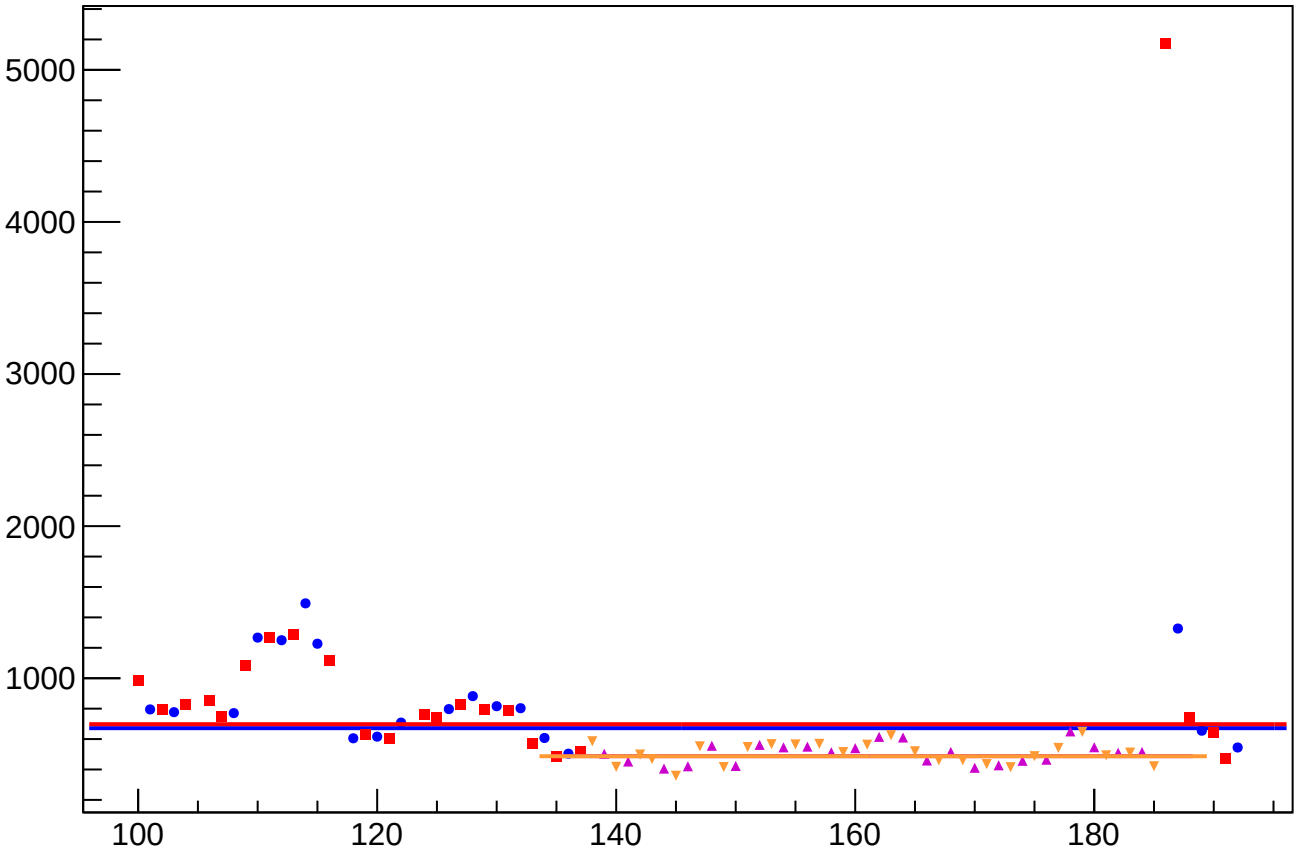
Right Out: 362.321+/-240.783 χ^2/NDF: 20.4/22

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 318.583+/-101.209 χ^2/NDF: 49.5/43

All: 222.998+/-72.559 χ^2/NDF: 100.5/89

- sign 121.914+/-104.079 χ^2/NDF: 49.1/45



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

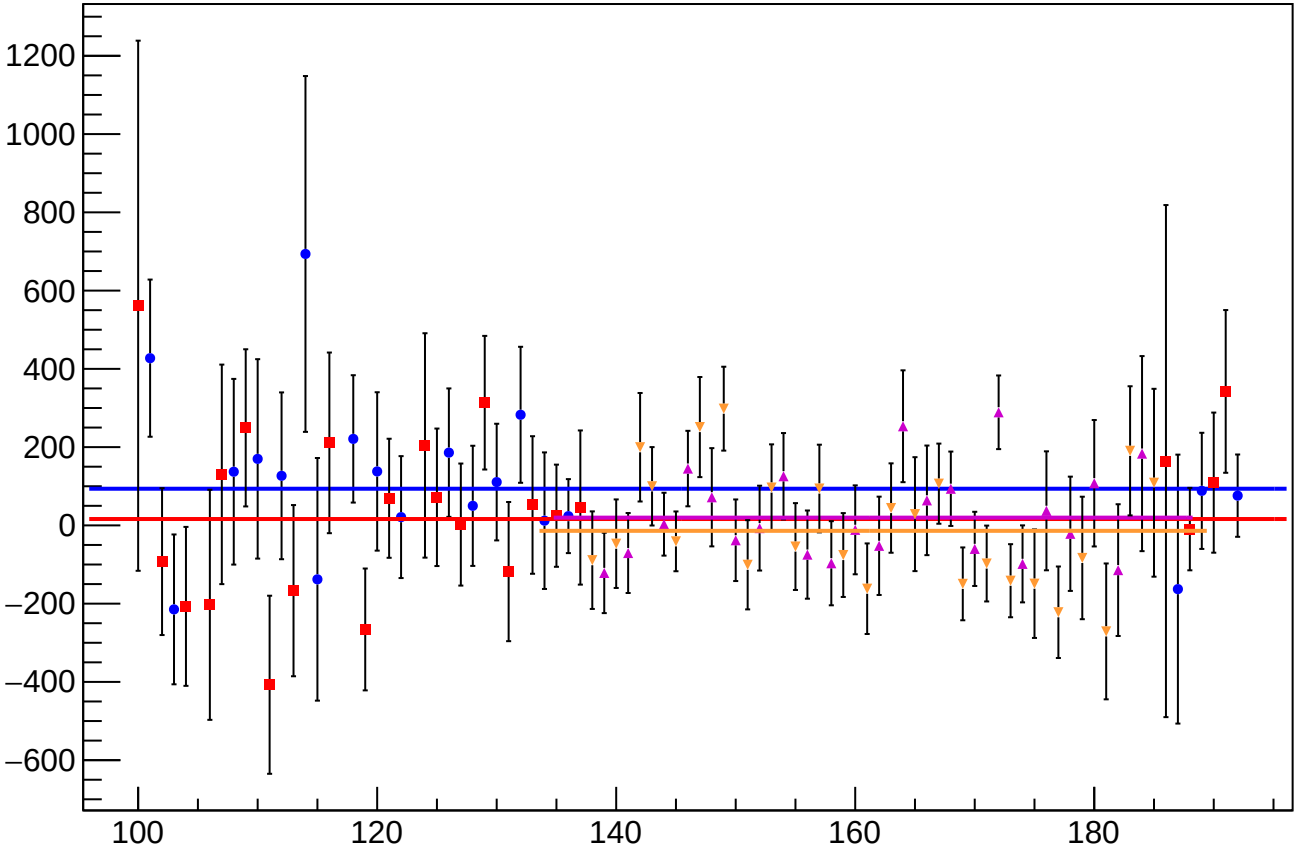
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 521.838+/-0.072 χ^2/NDF: 2965991.7/43

All: 524.411+/-0.051 χ^2/NDF: 6598523.4/89

- sign 527.132+/-0.074 χ^2/NDF: 3629871.9/45

dit_asym_sam_26_48_dd_mean vs Slug



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

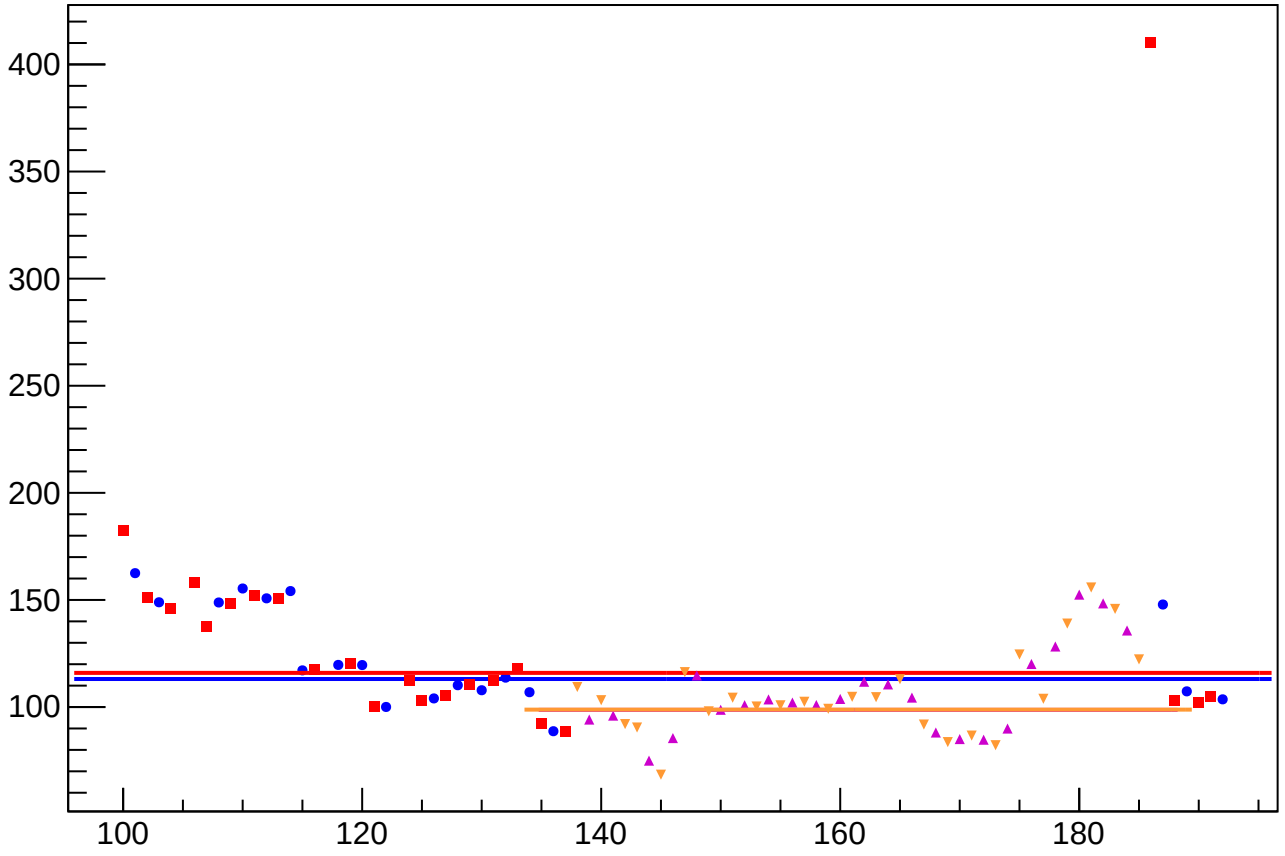
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 14.173+/-19.700 χ^2/NDF: 53.8/43

All: 16.463+/-14.087 χ^2/NDF: 96.7/89

\- sign 18.859+/-20.152 χ^2/NDF: 42.9/45

dit_asym_sam_26_48_dd_rms vs Slug



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

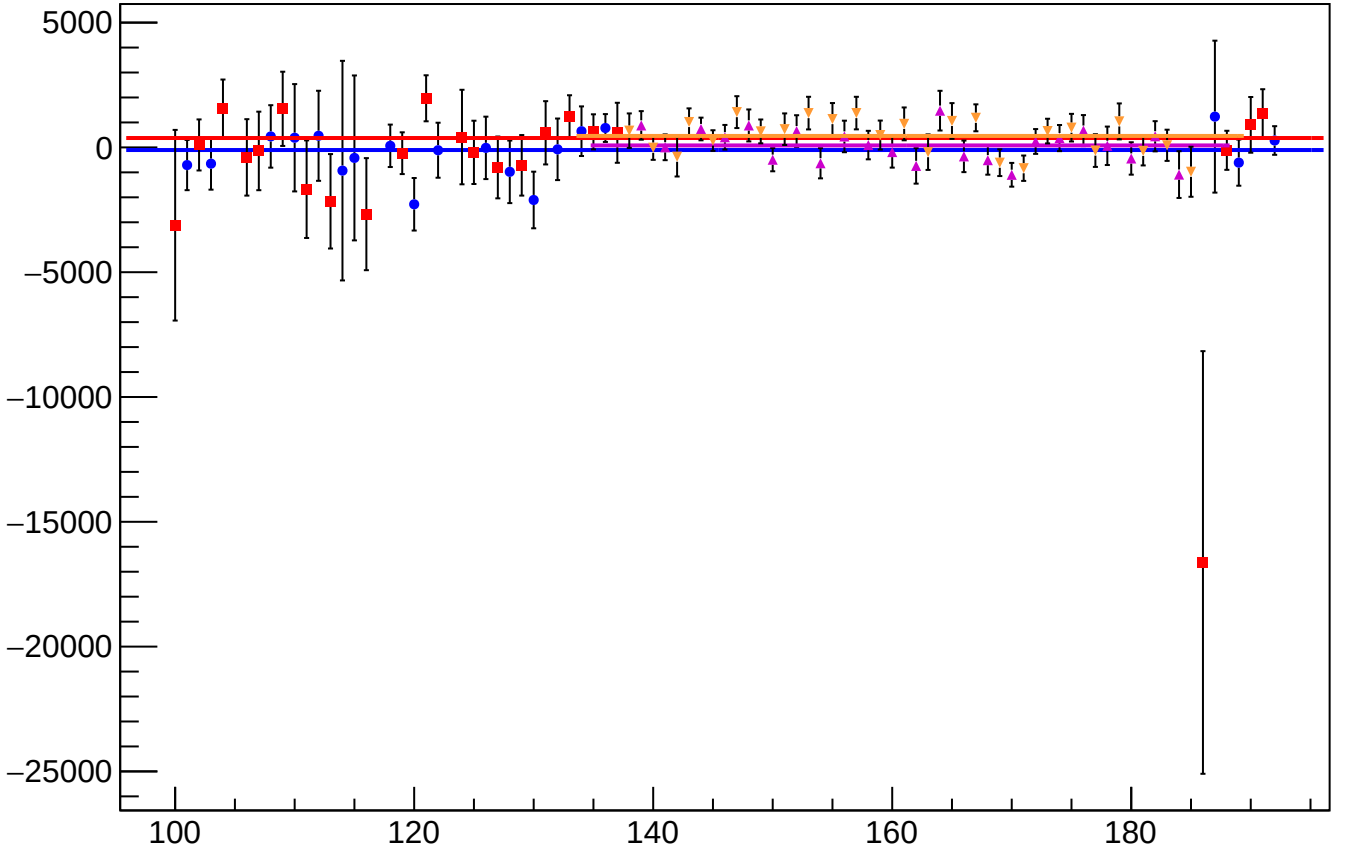
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.529+/-0.014 χ^2/NDF: 1963221.2/43

All: 102.916+/-0.010 χ^2/NDF: 4183111.5/89

- sign 103.321+/-0.014 χ^2/NDF: 2218311.8/45

asym_sam_26_48_dd_dit_correction_mean vs Slug



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

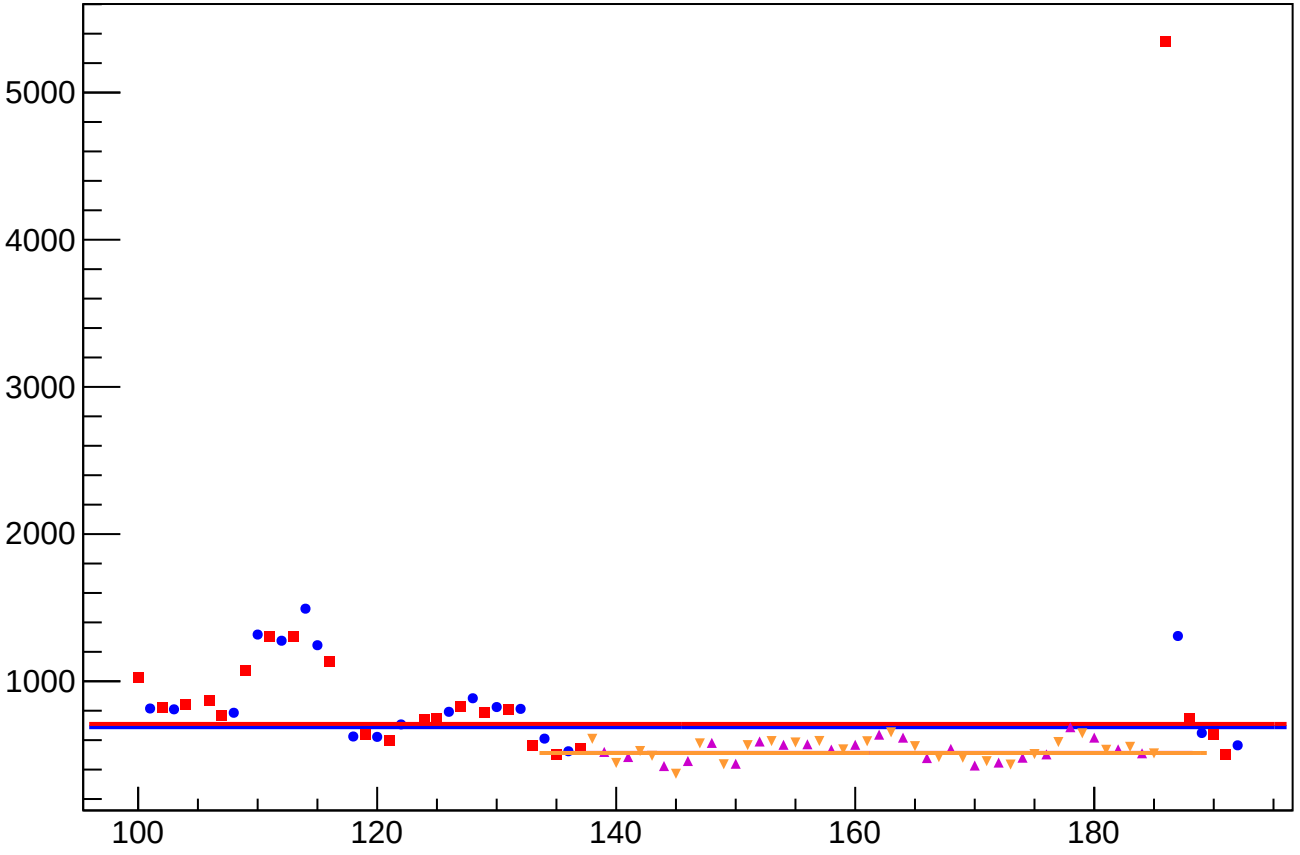
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 347.929+/-105.841 χ^2/NDF: 48.2/43

All: 245.712+/-75.830 χ^2/NDF: 97.5/89

- sign 137.911+/-108.694 χ^2/NDF: 47.3/45

asym_sam_26_48_dd_dit_correction_rms vs Slug



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

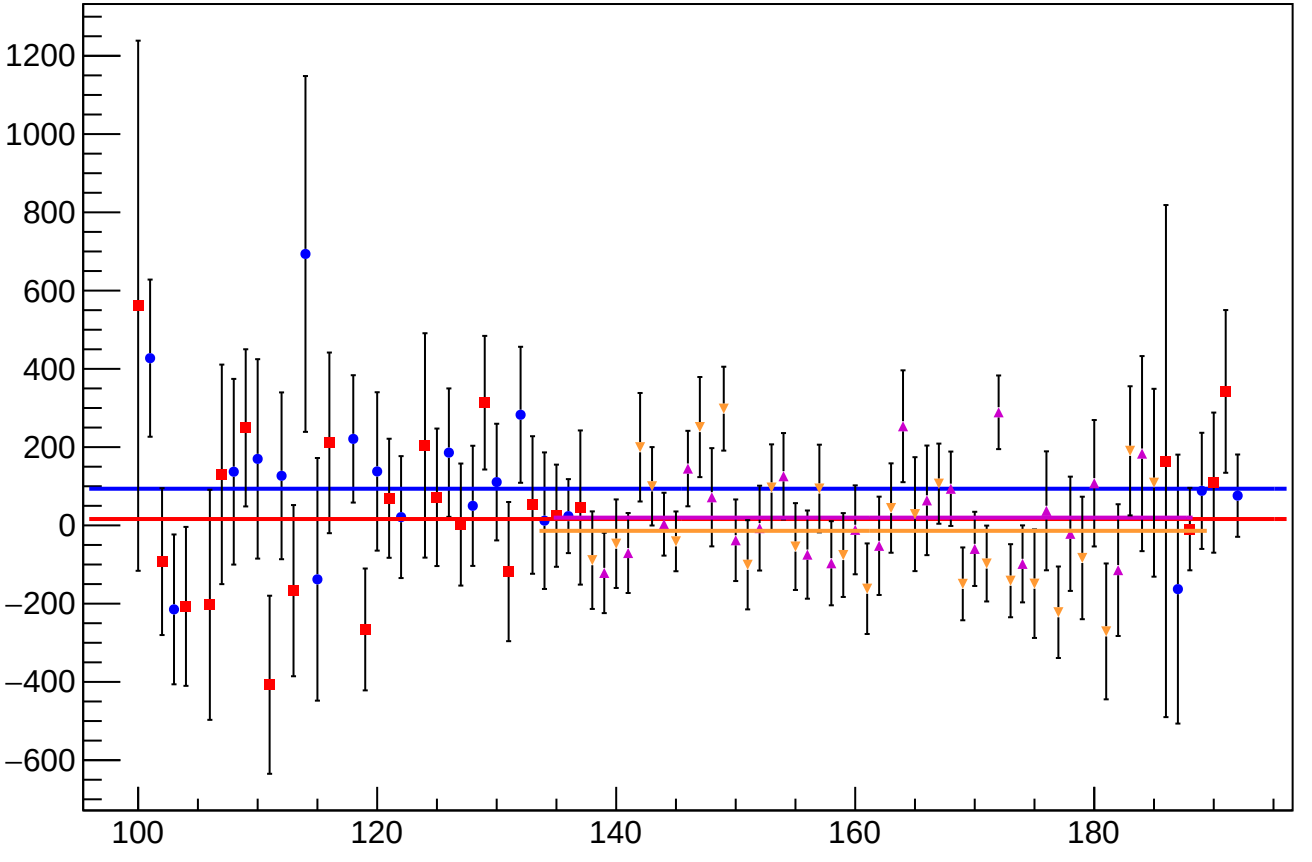
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 547.286+/-0.075 χ^2/NDF: 2740254.7/43

All: 549.834+/-0.054 χ^2/NDF: 6145966.4/89

- sign 552.521+/-0.077 χ^2/NDF: 3403330.4/45

eigen_dit_asym_sam_26_48_dd_mean vs Slug



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

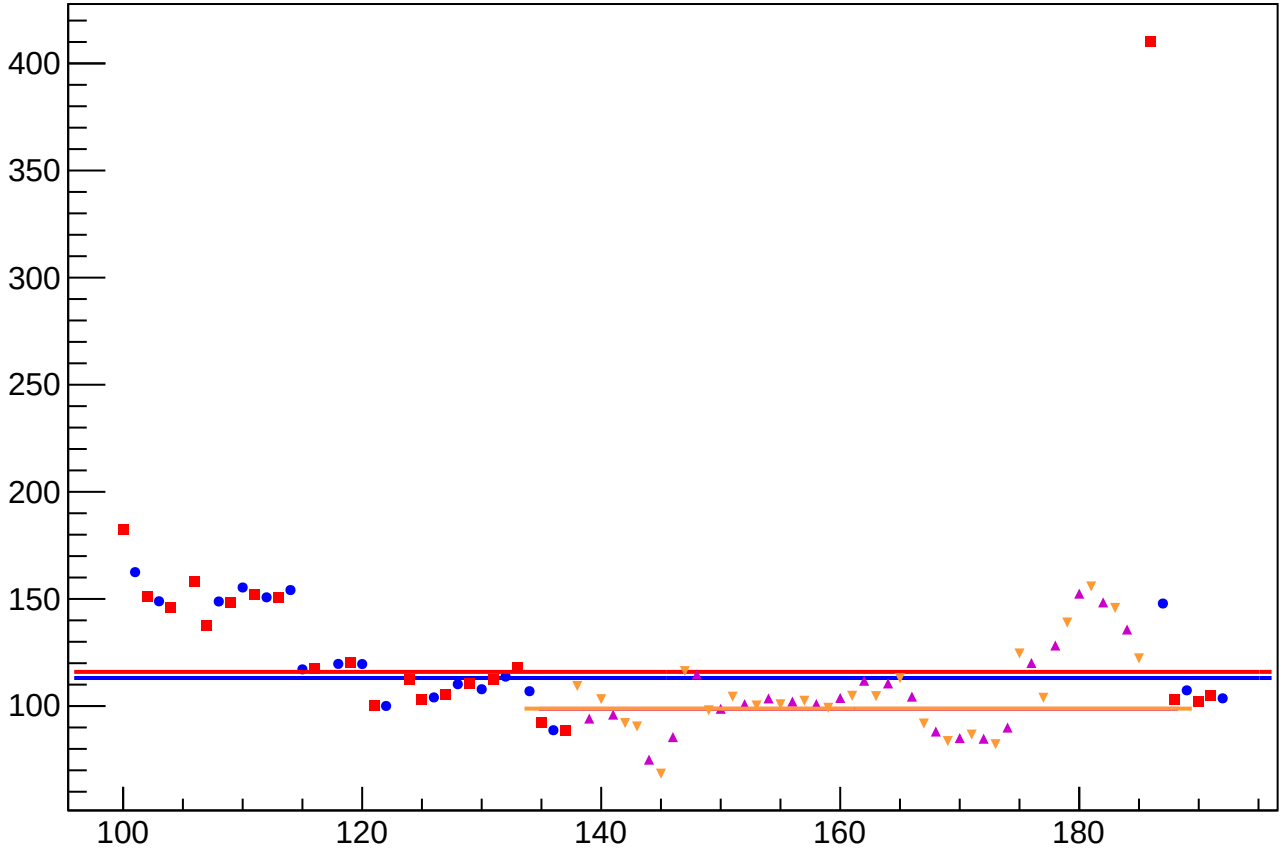
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 14.172+/-19.700 χ^2/NDF: 53.8/43

All: 16.462+/-14.087 χ^2/NDF: 96.7/89

- sign 18.859+/-20.152 χ^2/NDF: 42.9/45

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 113.093+/-0.027 χ^2/NDF: 574302.2/18

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

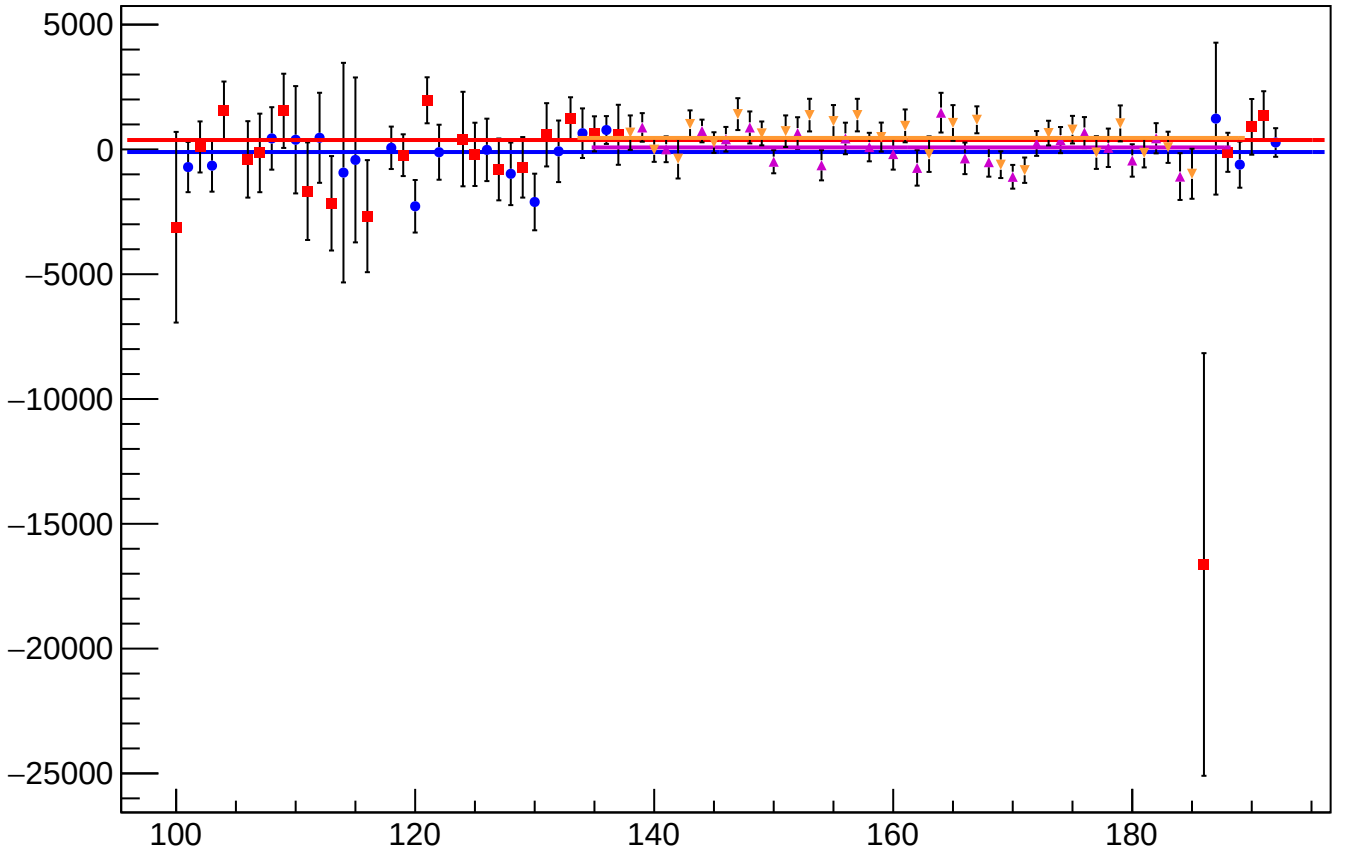
Right Out: 115.949+/-0.027 χ^2/NDF: 941403.5/22

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.529+/-0.014 χ^2/NDF: 1963217.0/43

All: 102.916+/-0.010 χ^2/NDF: 4183087.2/89

- sign 103.321+/-0.014 χ^2/NDF: 2218291.8/45



Right In: -105.265+/-238.479 χ^2/NDF: 12.9/18

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

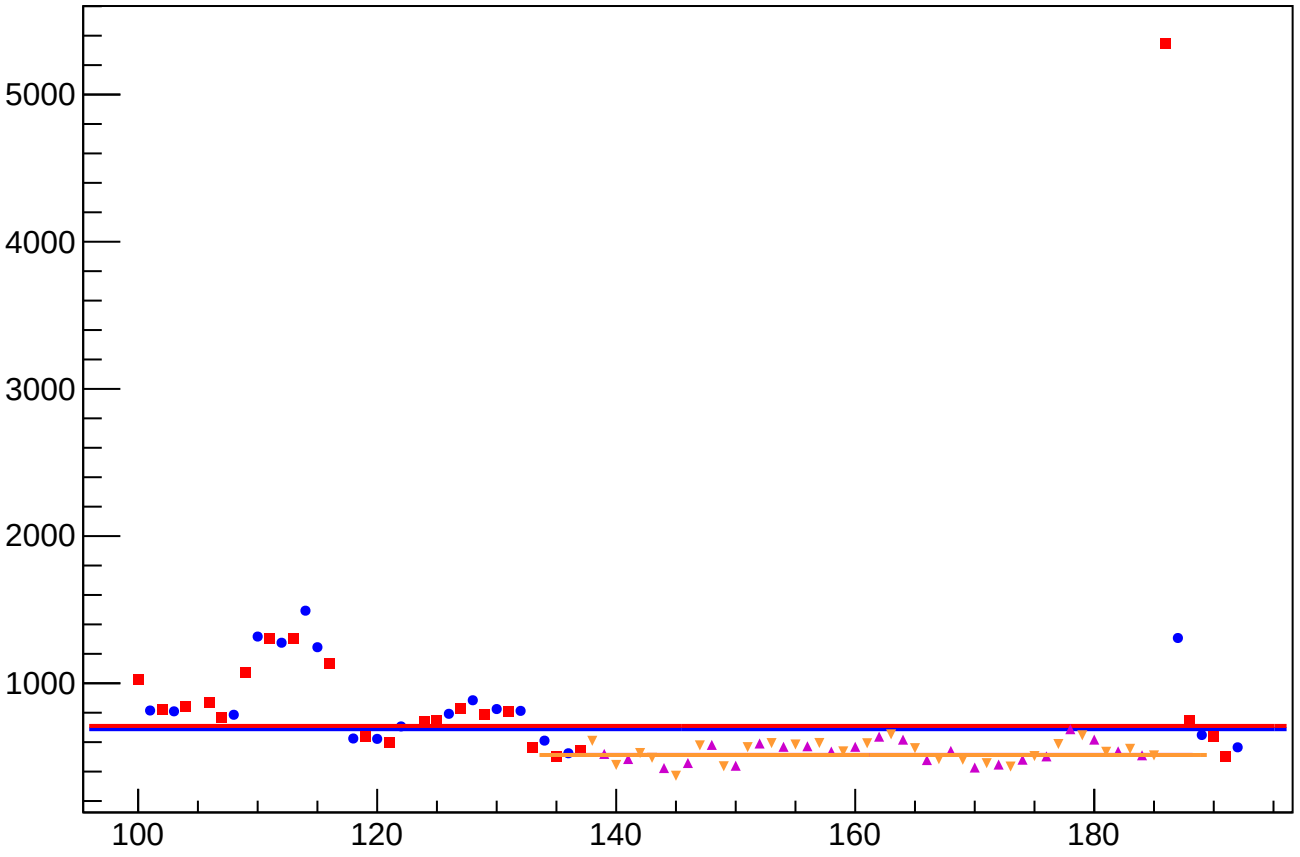
Right Out: 376.092+/-243.744 χ^2/NDF: 19.9/22

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 347.928+/-105.841 χ^2/NDF: 48.2/43

All: 245.711+/-75.829 χ^2/NDF: 97.5/89

- sign 137.911+/-108.694 χ^2/NDF: 47.3/45



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

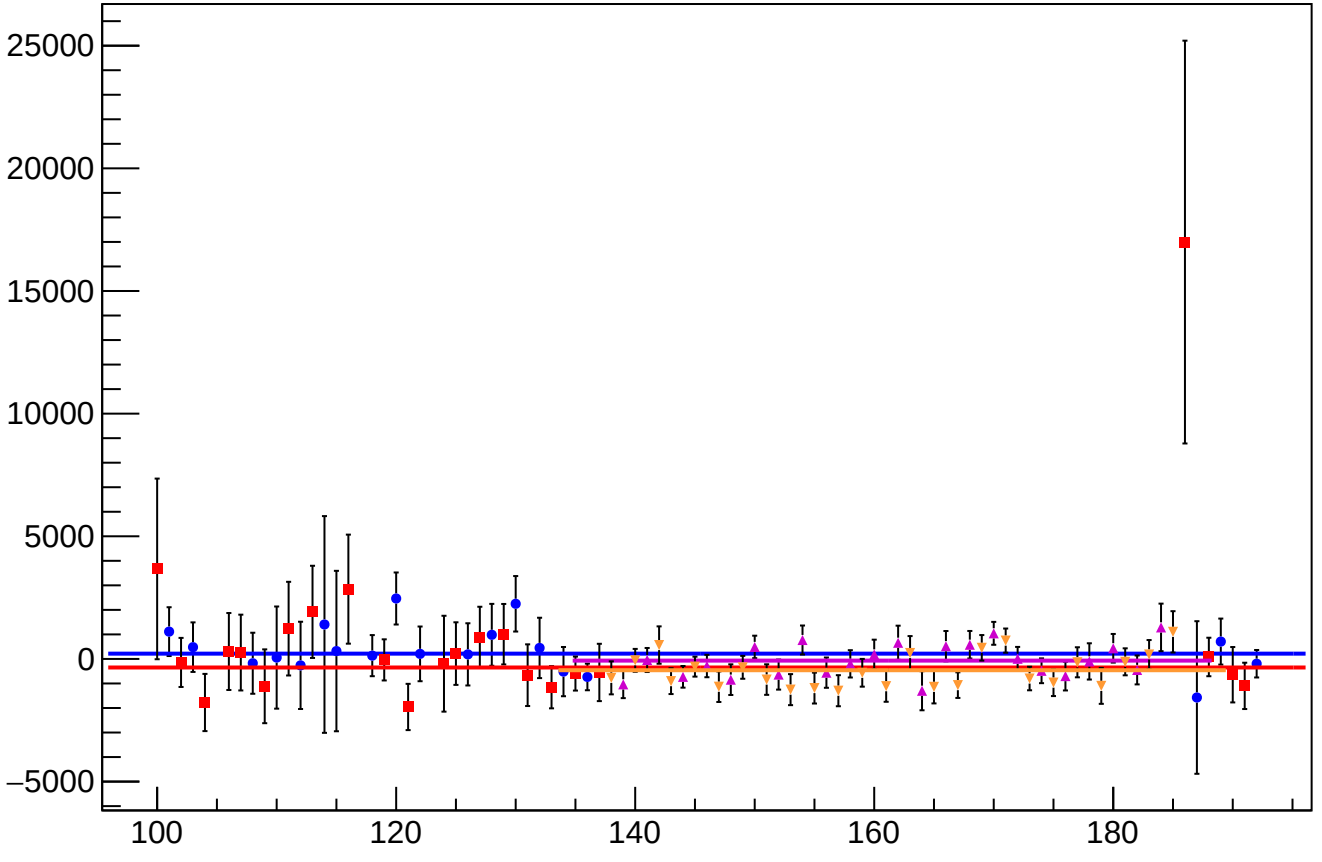
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 547.286+/-0.075 χ^2/NDF: 2740249.1/43

All: 549.834+/-0.054 χ^2/NDF: 6145946.7/89

- sign 552.521+/-0.077 χ^2/NDF: 3403316.1/45

asym_sam_26_48_dd_mean vs Slug



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

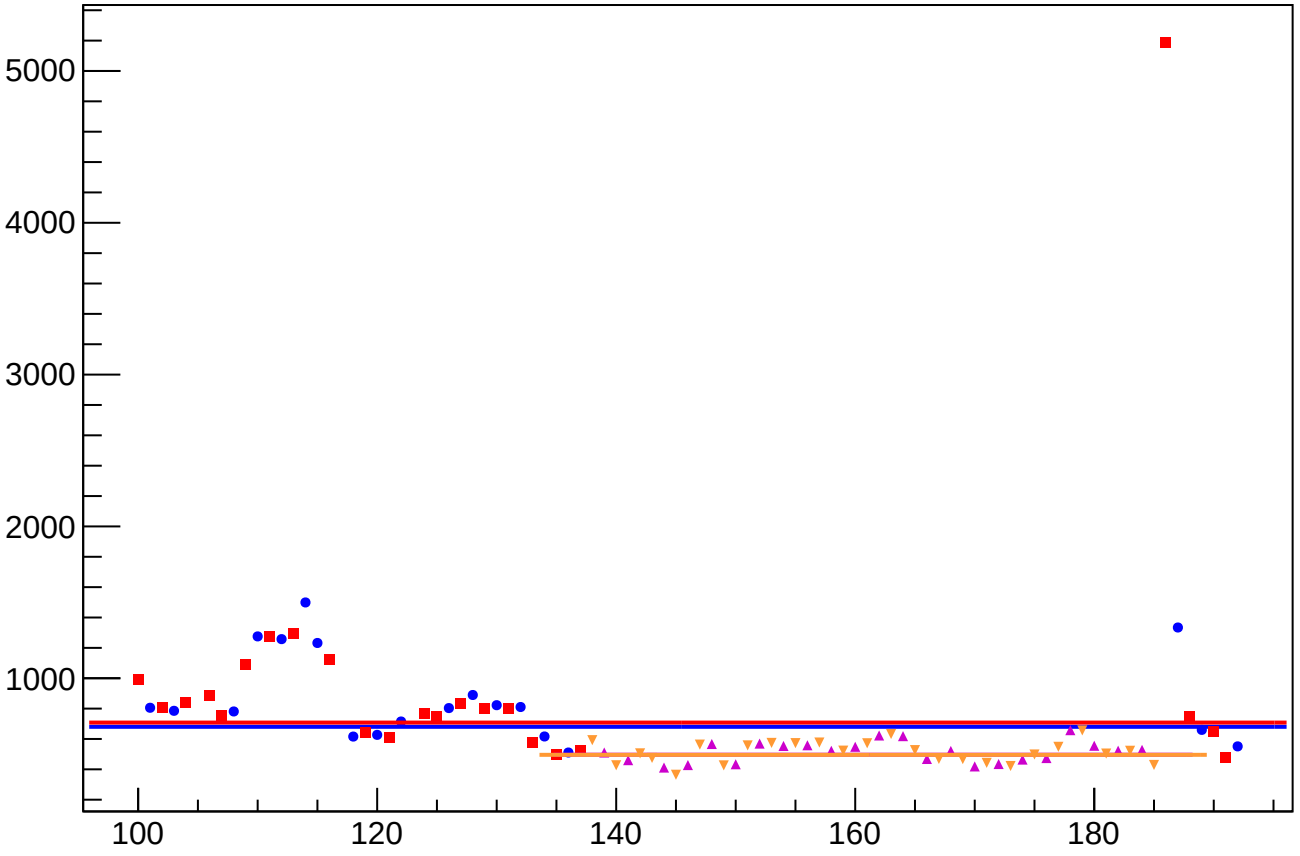
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -331.677+/-102.823 χ^2/NDF: 51.5/43

All: -229.286+/-73.704 χ^2/NDF: 102.7/89

- sign -121.081+/-105.703 χ^2/NDF: 49.2/45

asym_sam_26_48_dd_rms vs Slug



Right In: 680.119+/-0.167 χ^2/NDF: 1111835.3/18

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

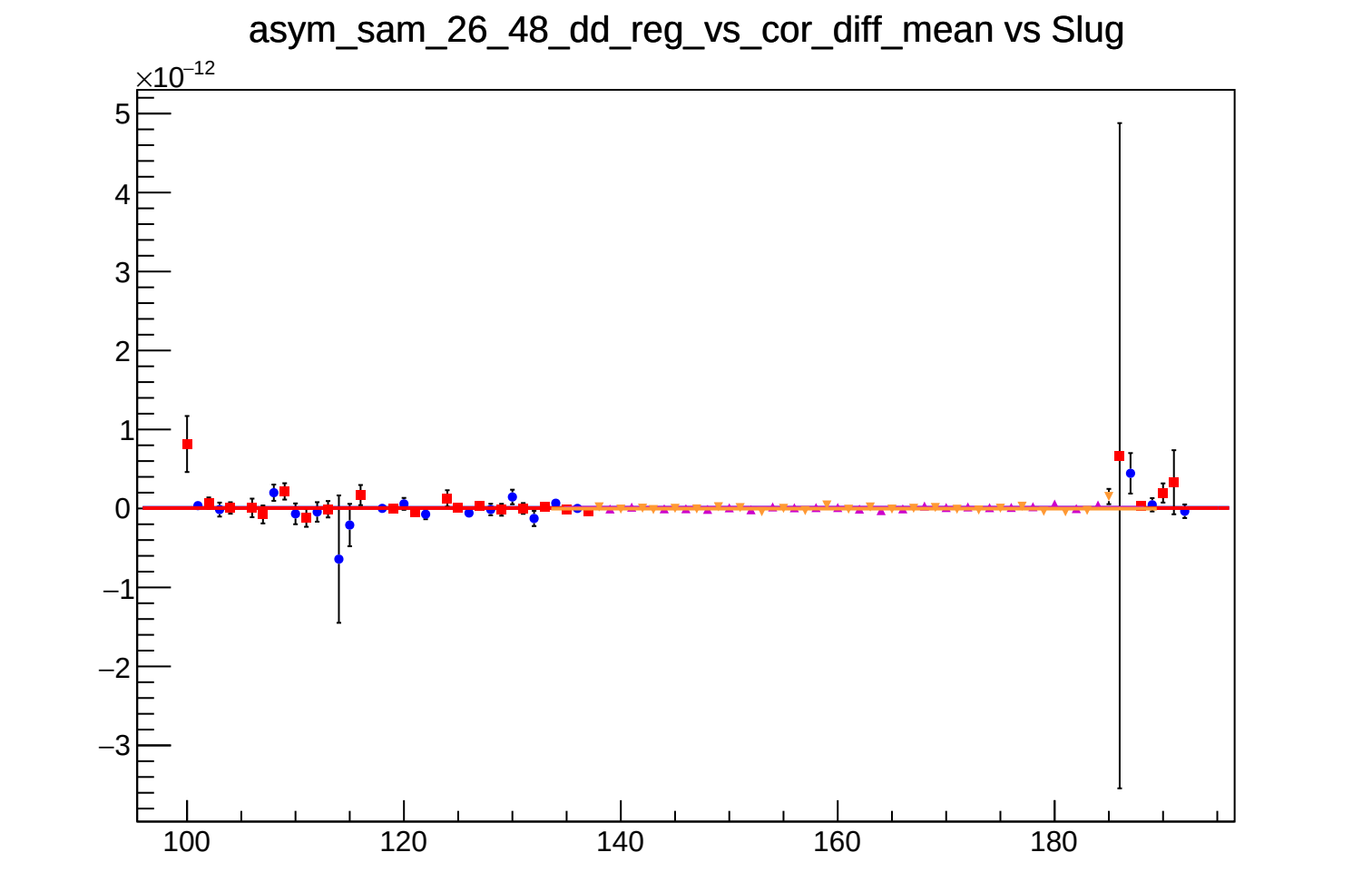
Right Out: 707.962+/-0.172 χ^2/NDF: 1745461.9/22

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

\+ sign 530.548+/-0.073 χ^2/NDF: 2907735.8/43

All: 533.336+/-0.052 χ^2/NDF: 6507058.3/89

\- sign 536.283+/-0.075 χ^2/NDF: 3596297.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

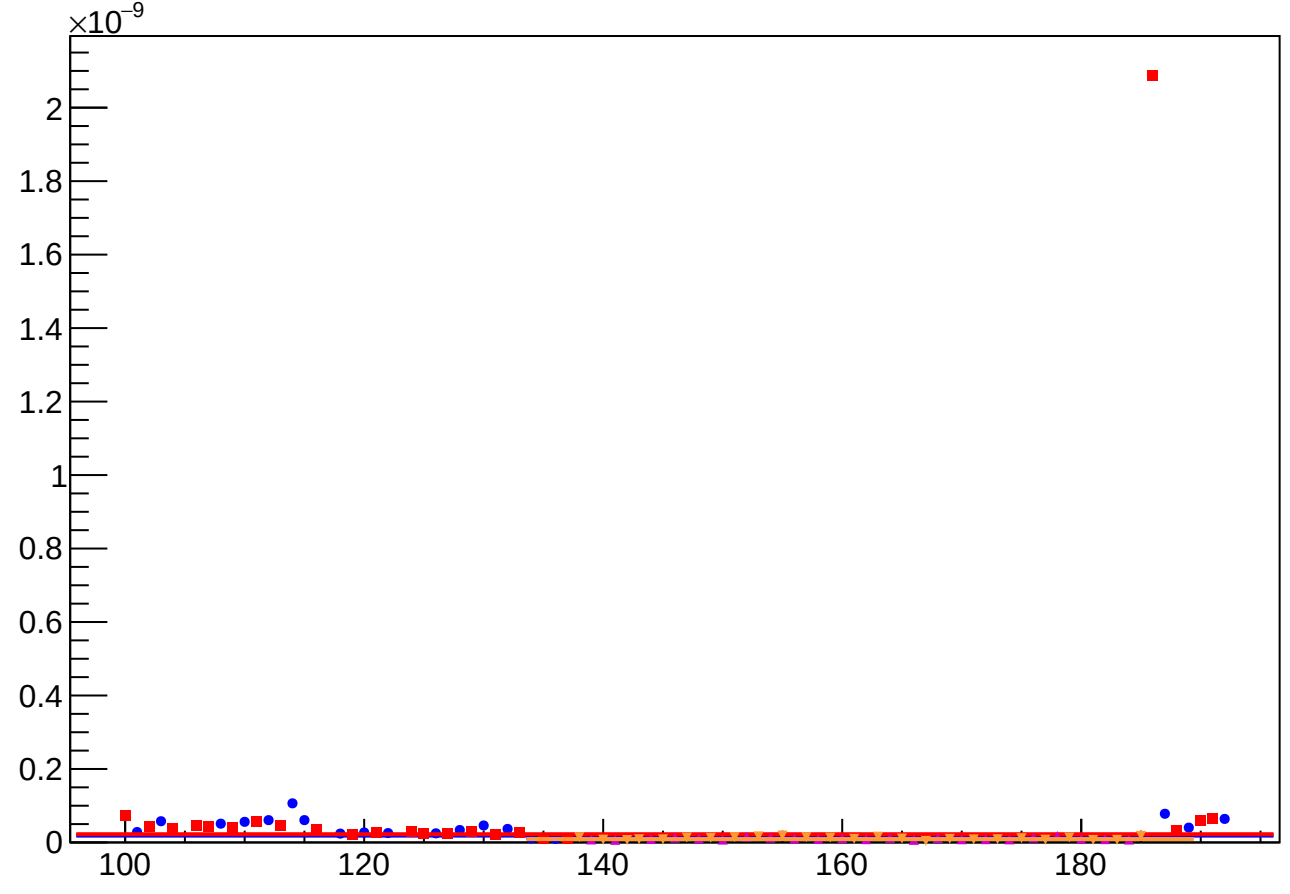
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/22

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/43

All: 0.000+/-0.000 χ^2/NDF: 87.0/89

- sign 0.000+/-0.000 χ^2/NDF: 37.1/45



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

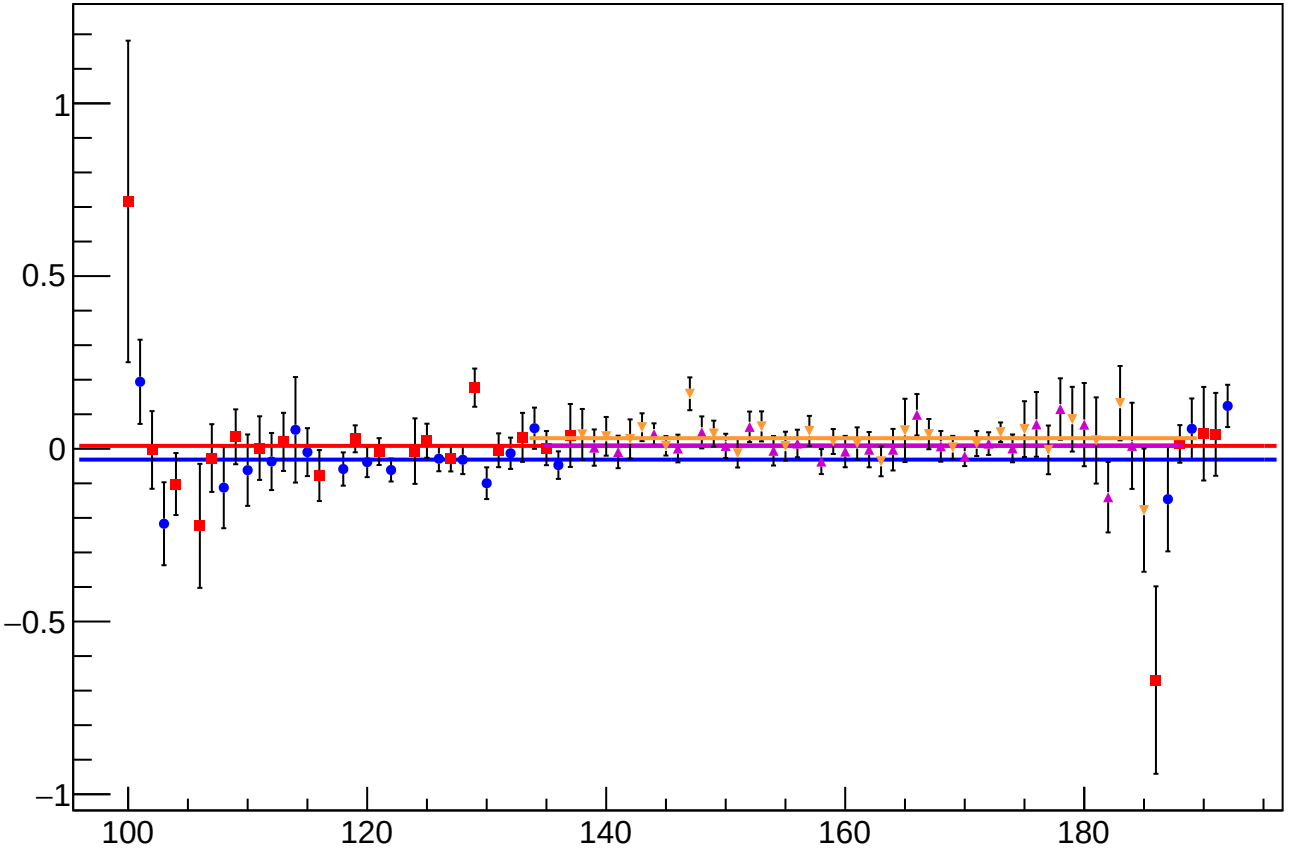
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6295818.9/43

All: 0.000+/-0.000 χ^2/NDF: 11168388.6/89

- sign 0.000+/-0.000 χ^2/NDF: 4833835.4/45

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



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

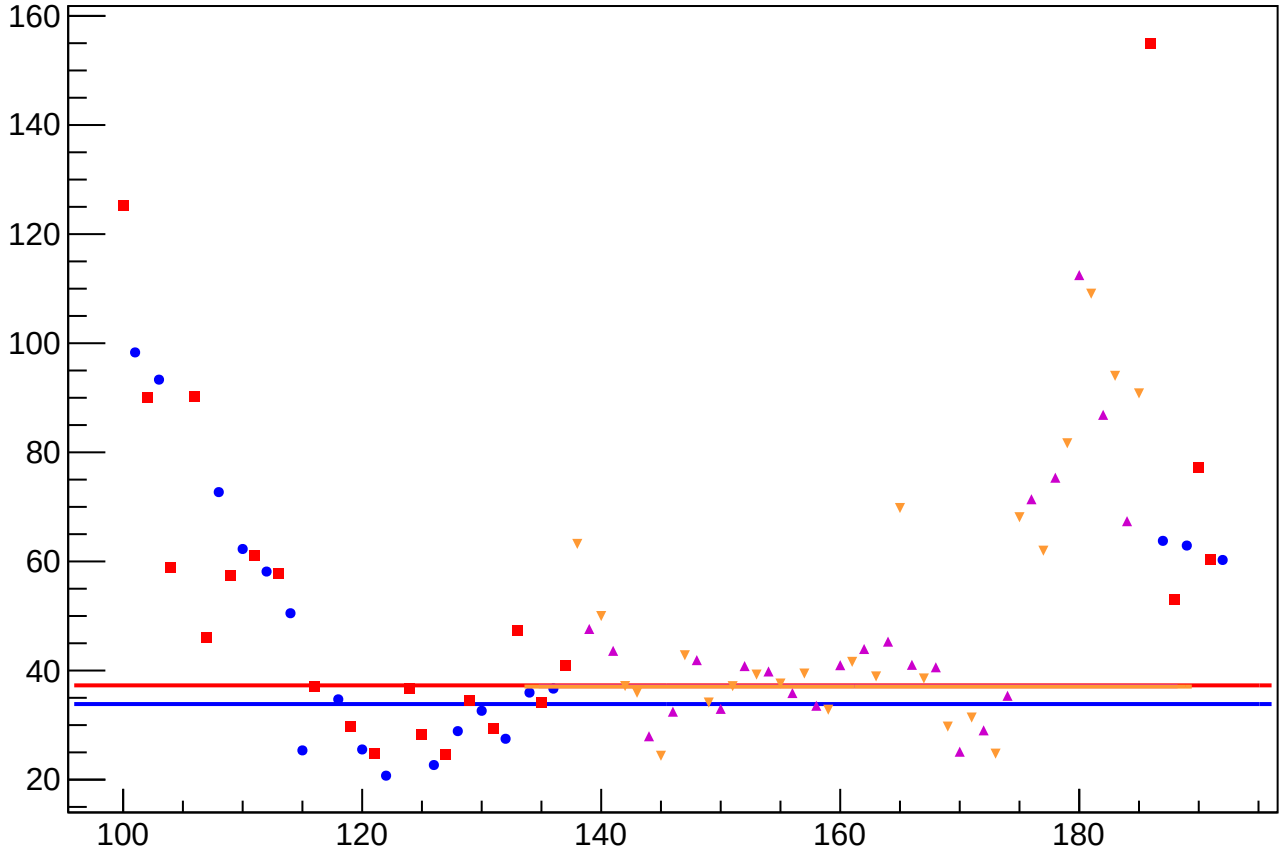
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 54.5/43

All: 0.010+/-0.005 χ^2/NDF: 92.4/89

- sign 0.009+/-0.008 χ^2/NDF: 37.9/45

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 33.857+/-0.009 χ^2/NDF: 2973363.2/18

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

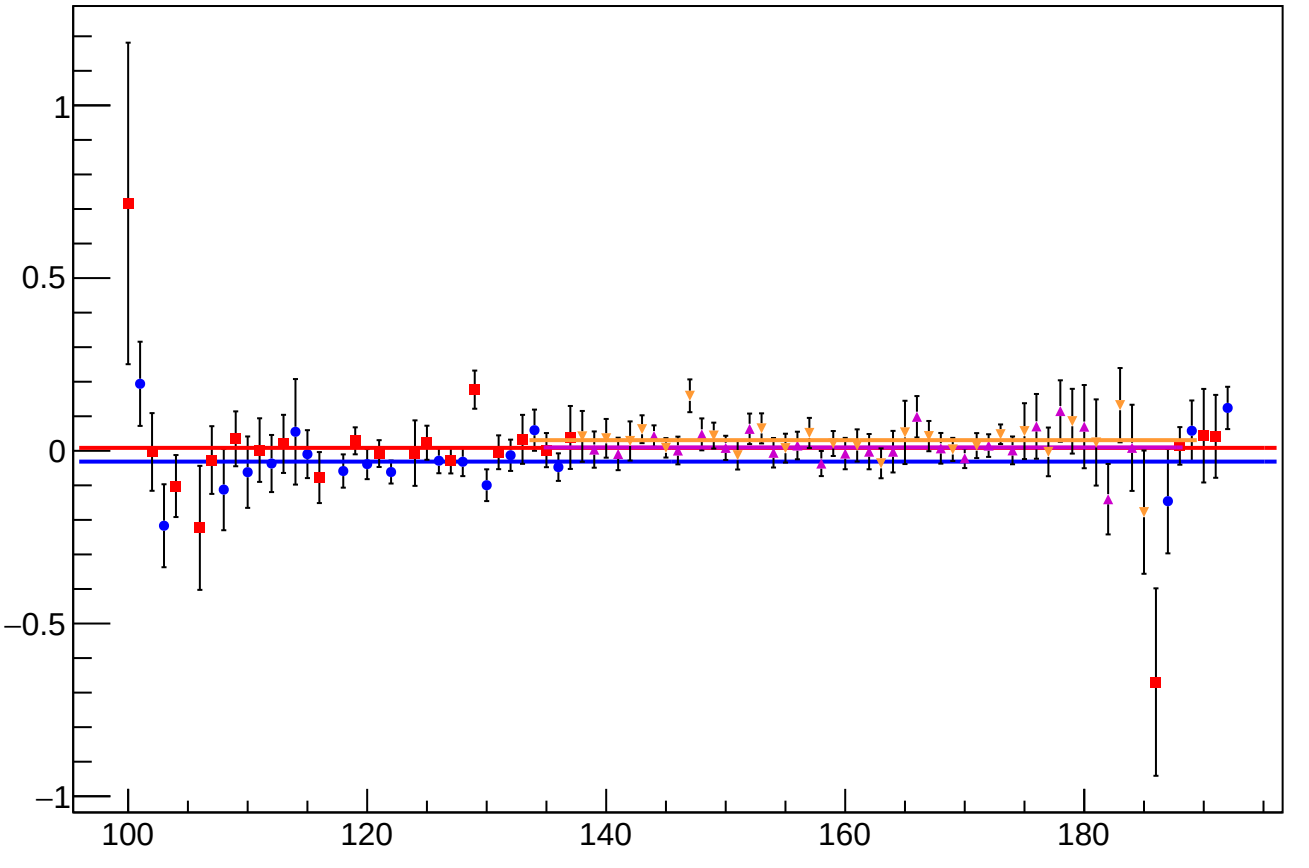
Right Out: 37.282+/-0.010 χ^2/NDF: 2679939.4/22

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.966+/-0.005 χ^2/NDF: 7110946.6/43

All: 36.548+/-0.004 χ^2/NDF: 12829521.0/89

- sign 37.177+/-0.005 χ^2/NDF: 5692912.7/45



Right In: -0.031+/-0.013 χ^2/NDF: 20.9/18

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

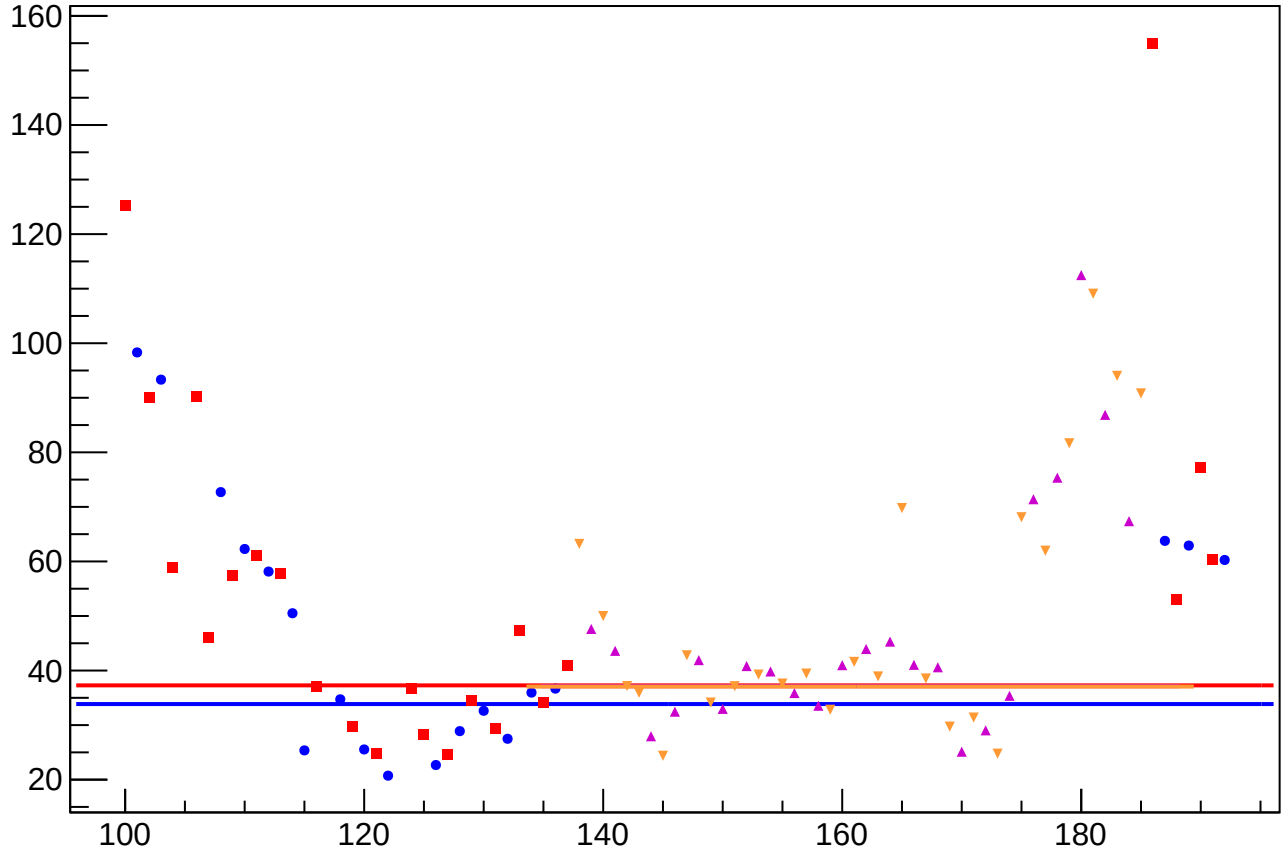
Right Out: 0.008+/-0.014 χ^2/NDF: 24.7/22

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

\+ sign 0.010+/-0.007 χ^2/NDF: 54.5/43

All: 0.010+/-0.005 χ^2/NDF: 92.4/89

\- sign 0.009+/-0.008 χ^2/NDF: 37.9/45



Right In: 33.857+/-0.009 χ^2/NDF: 2973363.2/18

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

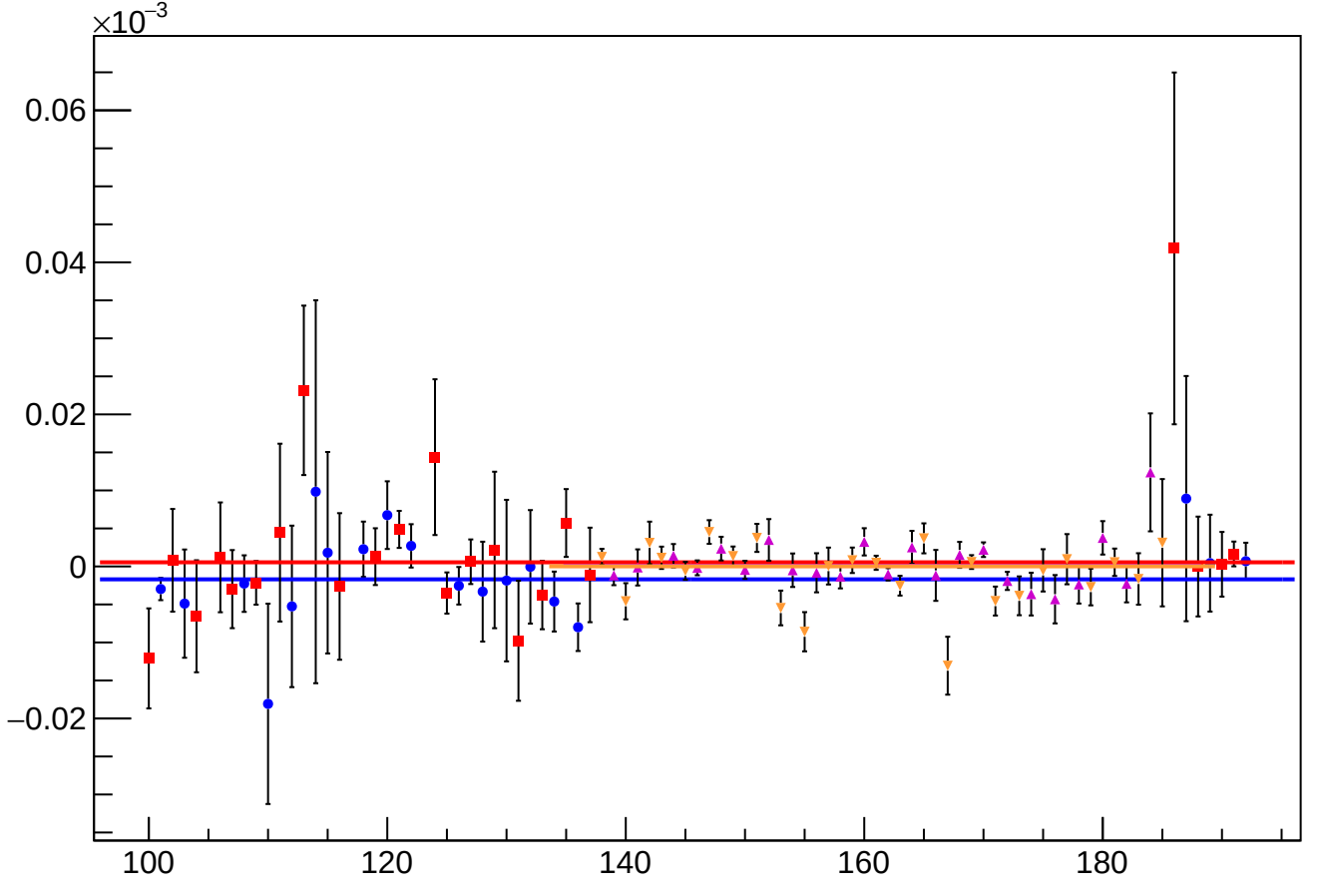
Right Out: 37.282+/-0.010 χ^2/NDF: 2679939.4/22

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.966+/-0.005 χ^2/NDF: 7110946.6/43

All: 36.548+/-0.004 χ^2/NDF: 12829521.0/89

- sign 37.177+/-0.005 χ^2/NDF: 5692912.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 16.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

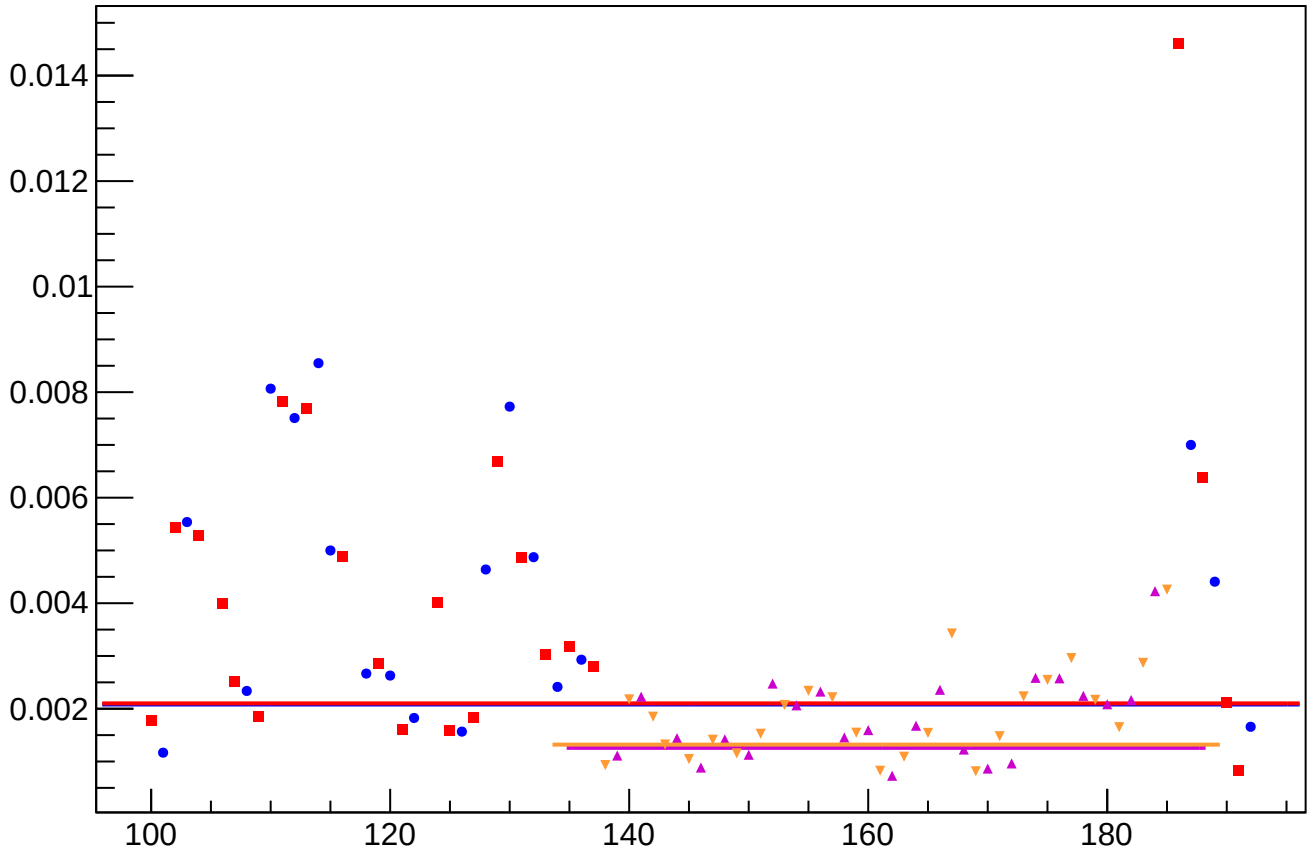
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/22

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.6/43

All: -0.000+/-0.000 χ^2/NDF: 146.0/89

- sign 0.000+/-0.000 χ^2/NDF: 57.8/45



Right In: 0.002+/-0.000 χ^2/NDF: 4430233.2/18

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

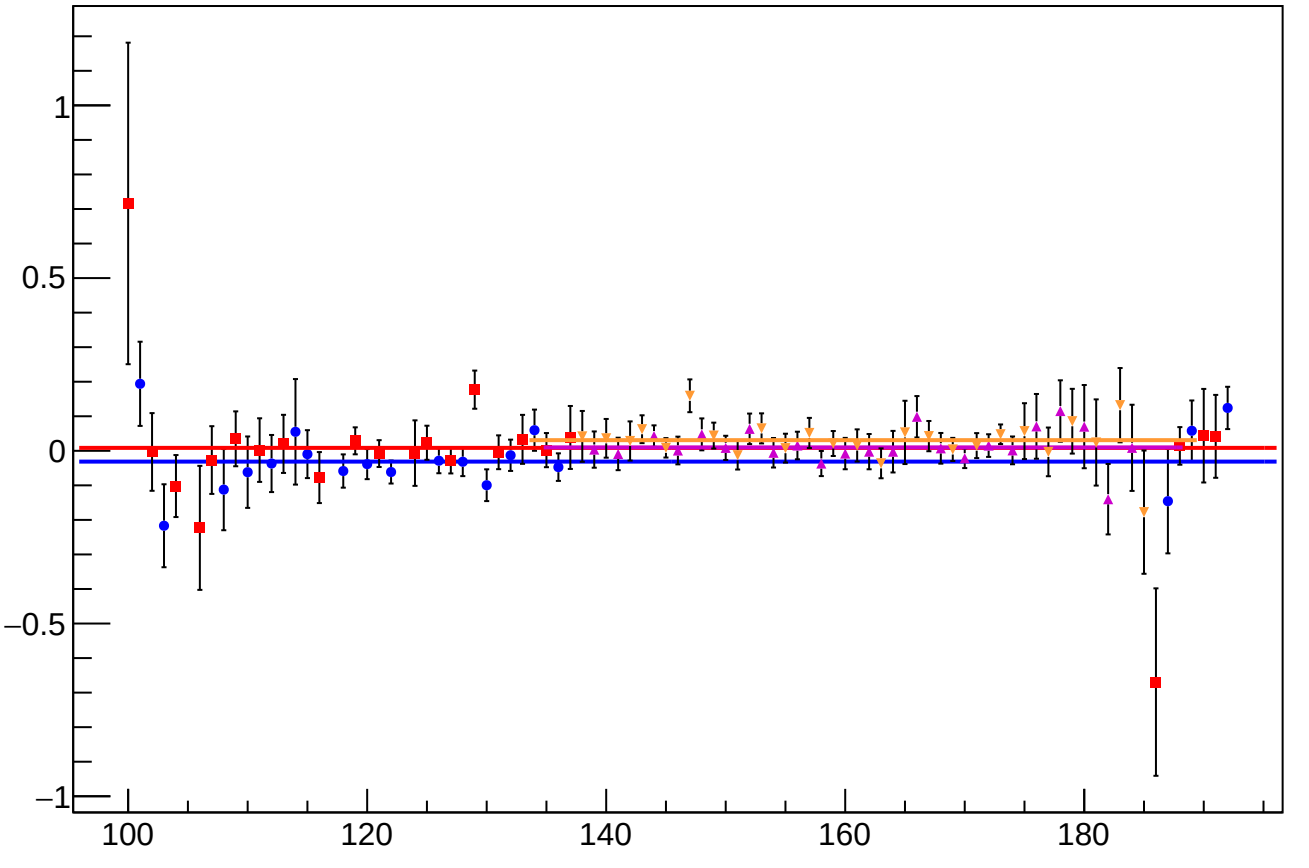
Right Out: 0.002+/-0.000 χ^2/NDF: 6025645.0/22

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

\+ sign 0.001+/-0.000 χ^2/NDF: 11471334.9/43

All: 0.001+/-0.000 χ^2/NDF: 24602260.6/89

\- sign 0.001+/-0.000 χ^2/NDF: 13099572.9/45



Right In: -0.031+/-0.013 χ^2/NDF: 20.9/18

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

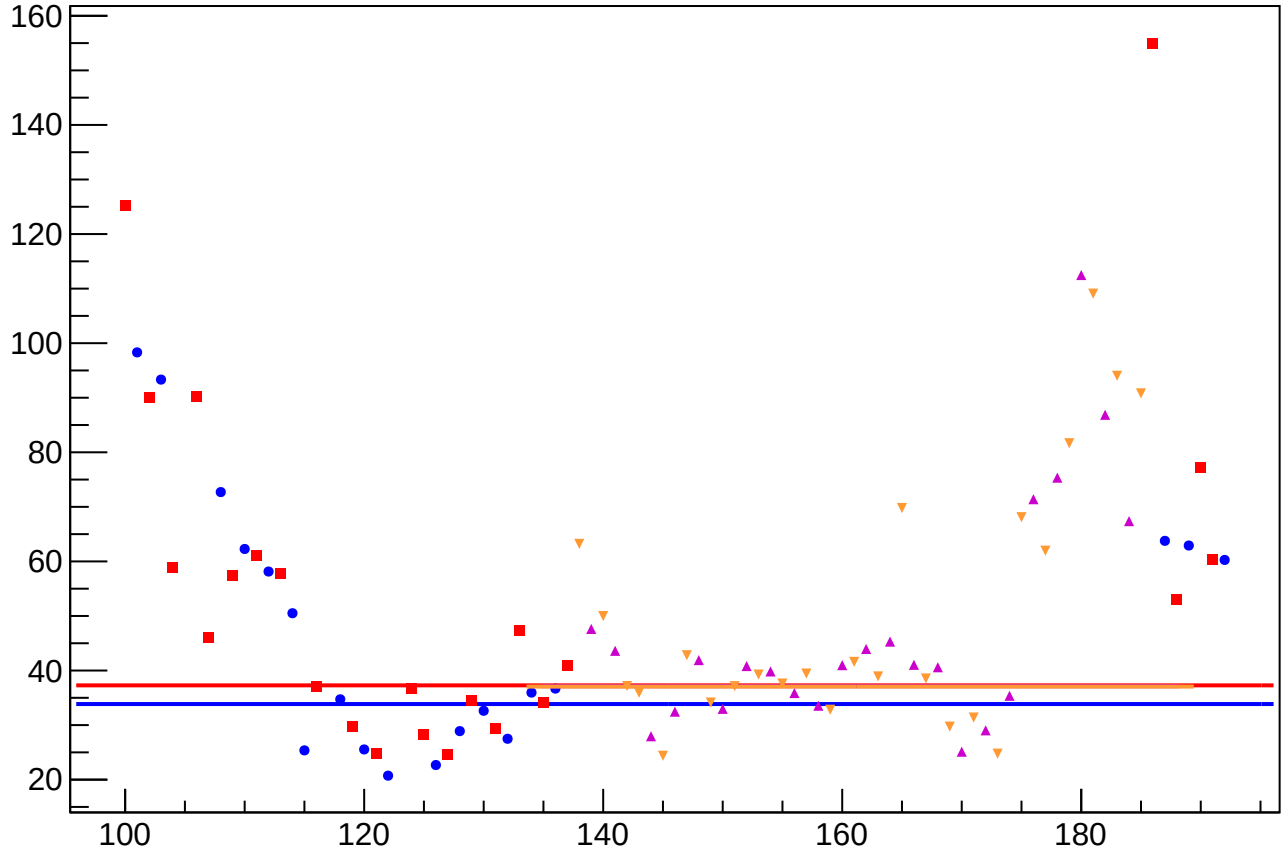
Right Out: 0.008+/-0.014 χ^2/NDF: 24.7/22

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 54.5/43

All: 0.010+/-0.005 χ^2/NDF: 92.4/89

- sign 0.009+/-0.008 χ^2/NDF: 37.9/45



Right In: 33.857+/-0.009 χ^2/NDF: 2973333.3/18

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

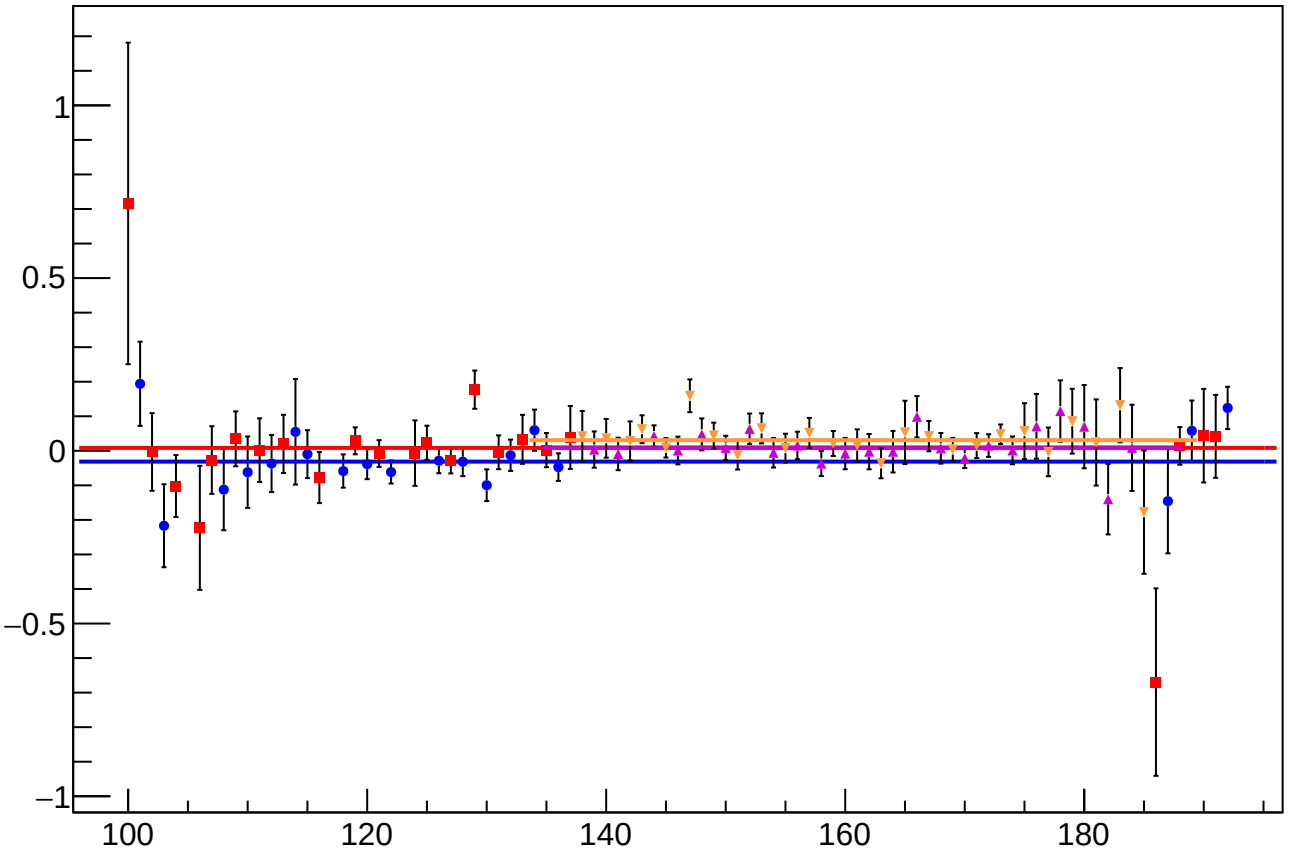
Right Out: 37.282+/-0.010 χ^2/NDF: 2679776.2/22

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

\+ sign 35.966+/-0.005 χ^2/NDF: 7110904.0/43

All: 36.548+/-0.004 χ^2/NDF: 12829287.6/89

\- sign 37.177+/-0.005 χ^2/NDF: 5692722.3/45



Right In: -0.031+/-0.013 χ^2/NDF: 20.9/18

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

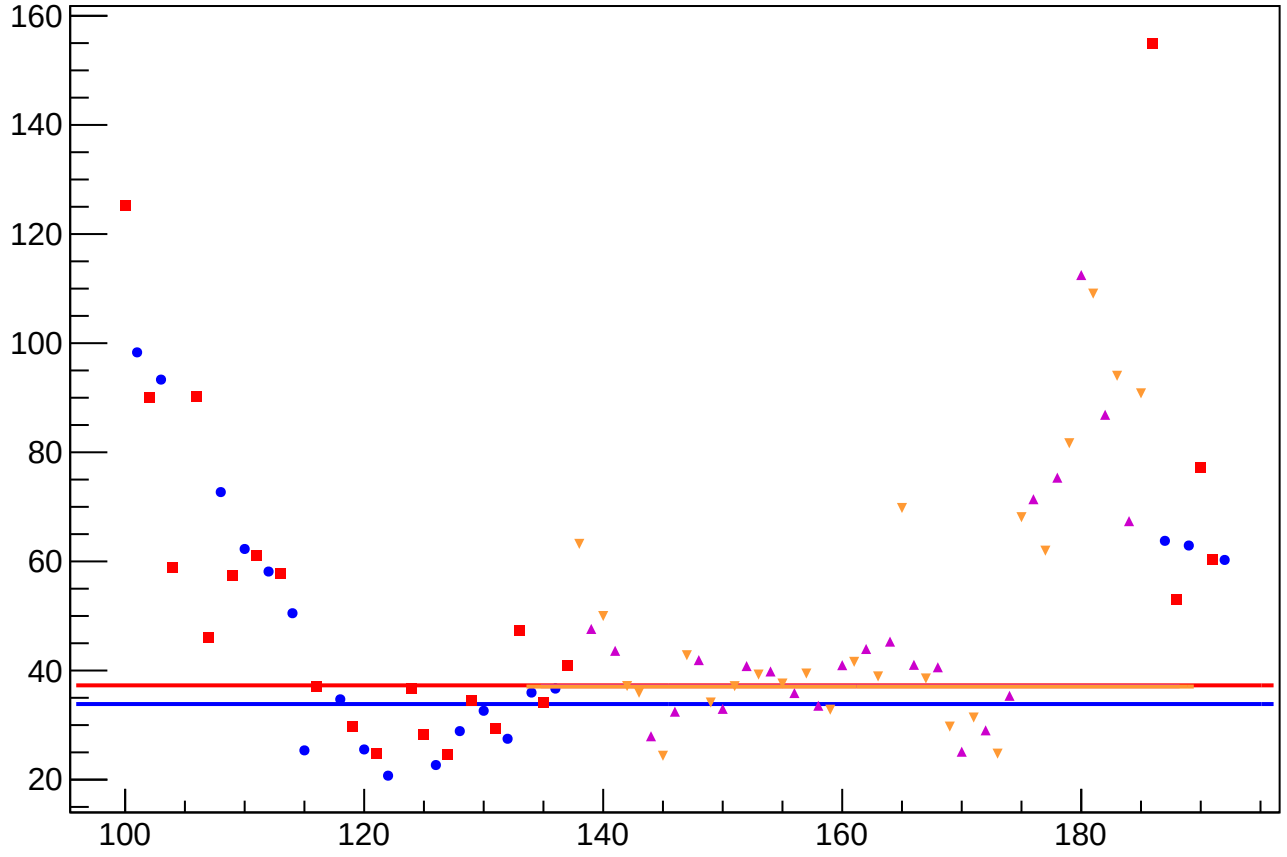
Right Out: 0.008+/-0.014 χ^2/NDF: 24.7/22

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 54.5/43

All: 0.010+/-0.005 χ^2/NDF: 92.4/89

- sign 0.009+/-0.008 χ^2/NDF: 37.9/45



Right In: 33.857+/-0.009 χ^2/NDF: 2973333.3/18

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

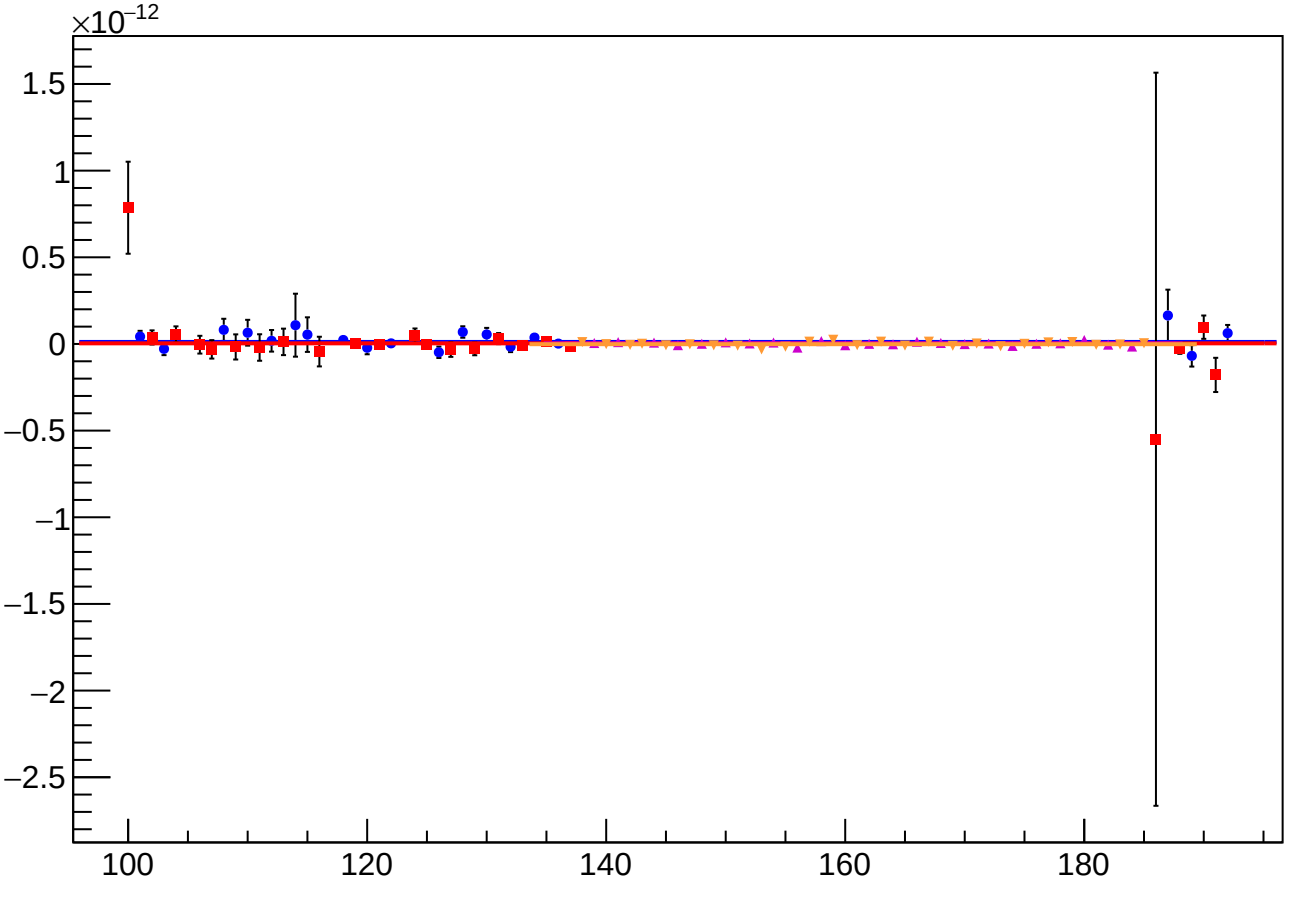
Right Out: 37.282+/-0.010 χ^2/NDF: 2679776.2/22

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 35.966+/-0.005 χ^2/NDF: 7110904.0/43

All: 36.548+/-0.004 χ^2/NDF: 12829287.6/89

- sign 37.177+/-0.005 χ^2/NDF: 5692722.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

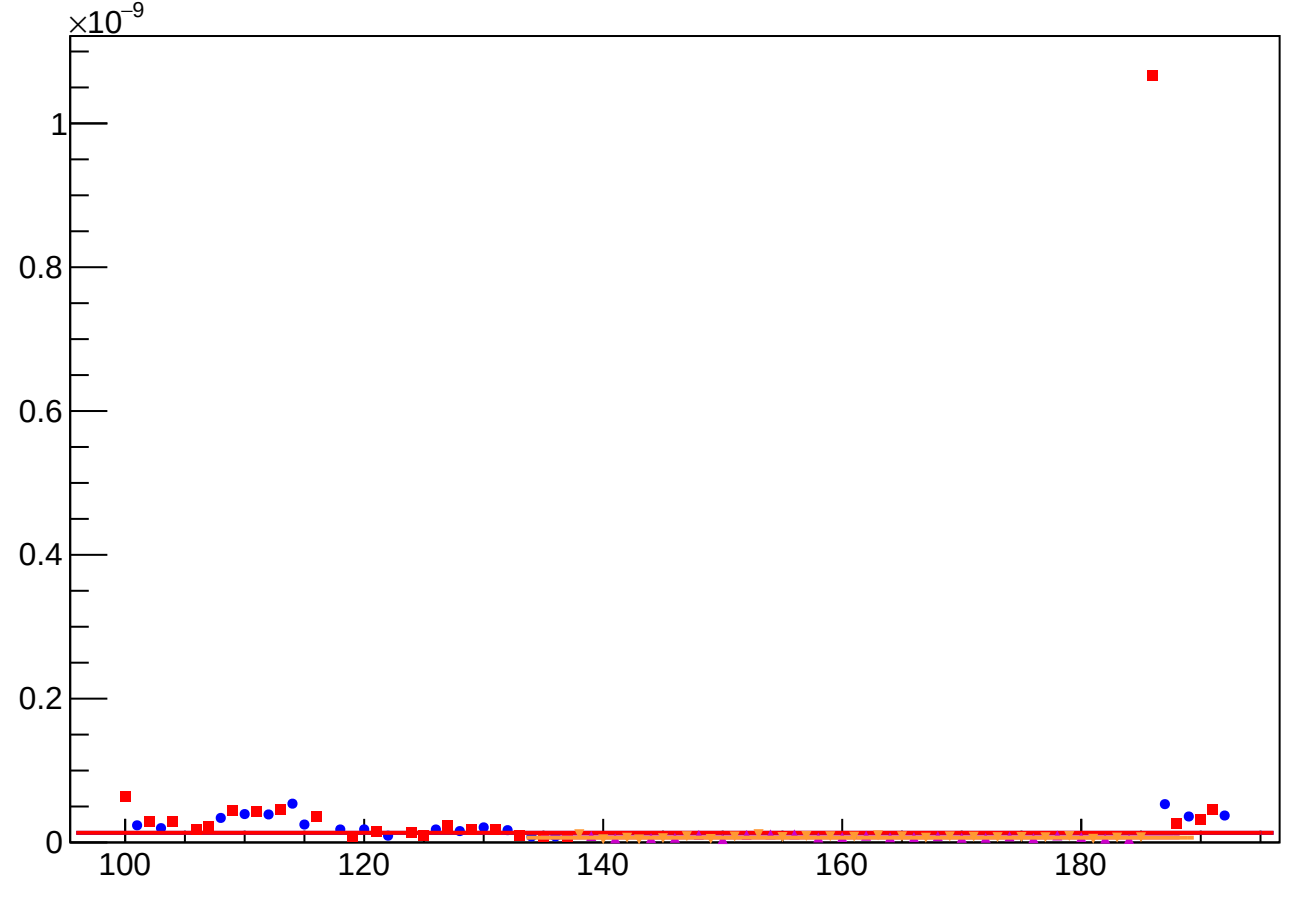
Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/22

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.5/43

All: 0.000+/-0.000 χ^2/NDF: 96.3/89

- sign 0.000+/-0.000 χ^2/NDF: 44.1/45



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

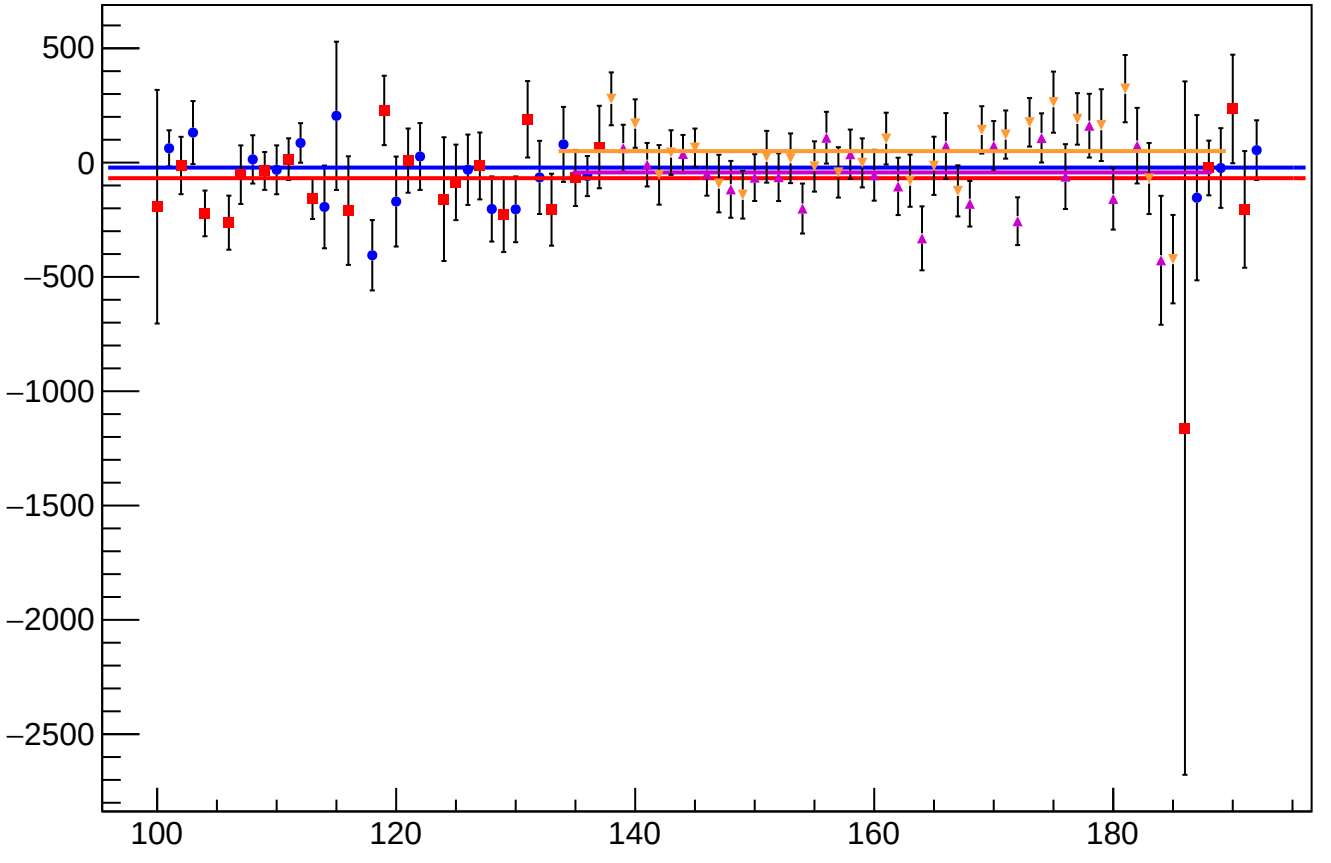
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7097938.1/43

All: 0.000+/-0.000 χ^2/NDF: 14276822.0/89

- sign 0.000+/-0.000 χ^2/NDF: 7125245.2/45

reg_asym_sam_1548_avg_mean vs Slug



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

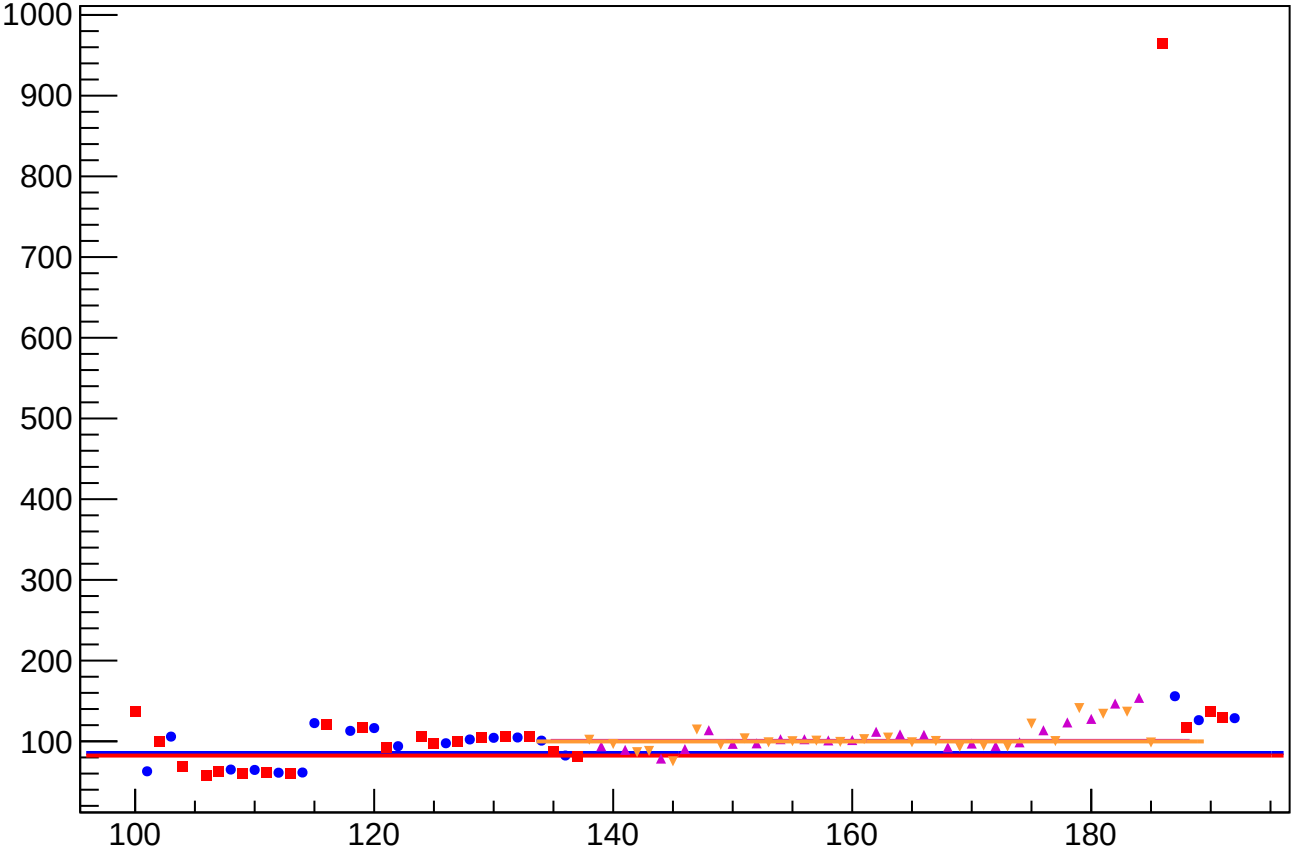
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.494+/-18.191 χ^2/NDF: 53.8/43

All: -14.691+/-12.896 χ^2/NDF: 109.1/89

- sign -53.269+/-18.285 χ^2/NDF: 46.5/45

reg_asym_sam_1548_avg_rms vs Slug



Right In: 85.506+/-0.021 χ^2/NDF: 1228432.7/18

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

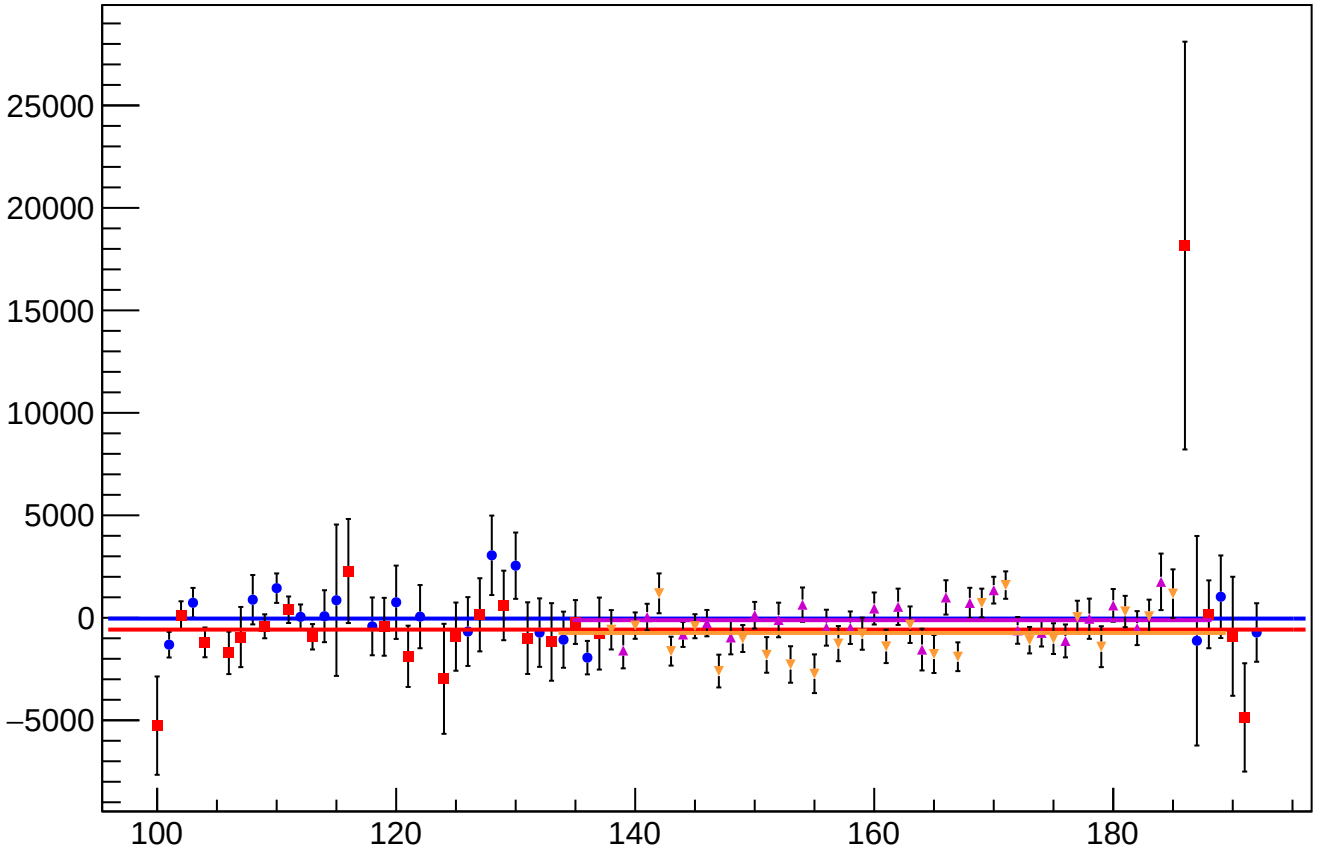
Right Out: 82.310+/-0.020 χ^2/NDF: 1985505.5/22

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 94.505+/-0.013 χ^2/NDF: 2216277.9/43

All: 93.798+/-0.009 χ^2/NDF: 5342549.6/89

- sign 93.083+/-0.013 χ^2/NDF: 3120190.5/45



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

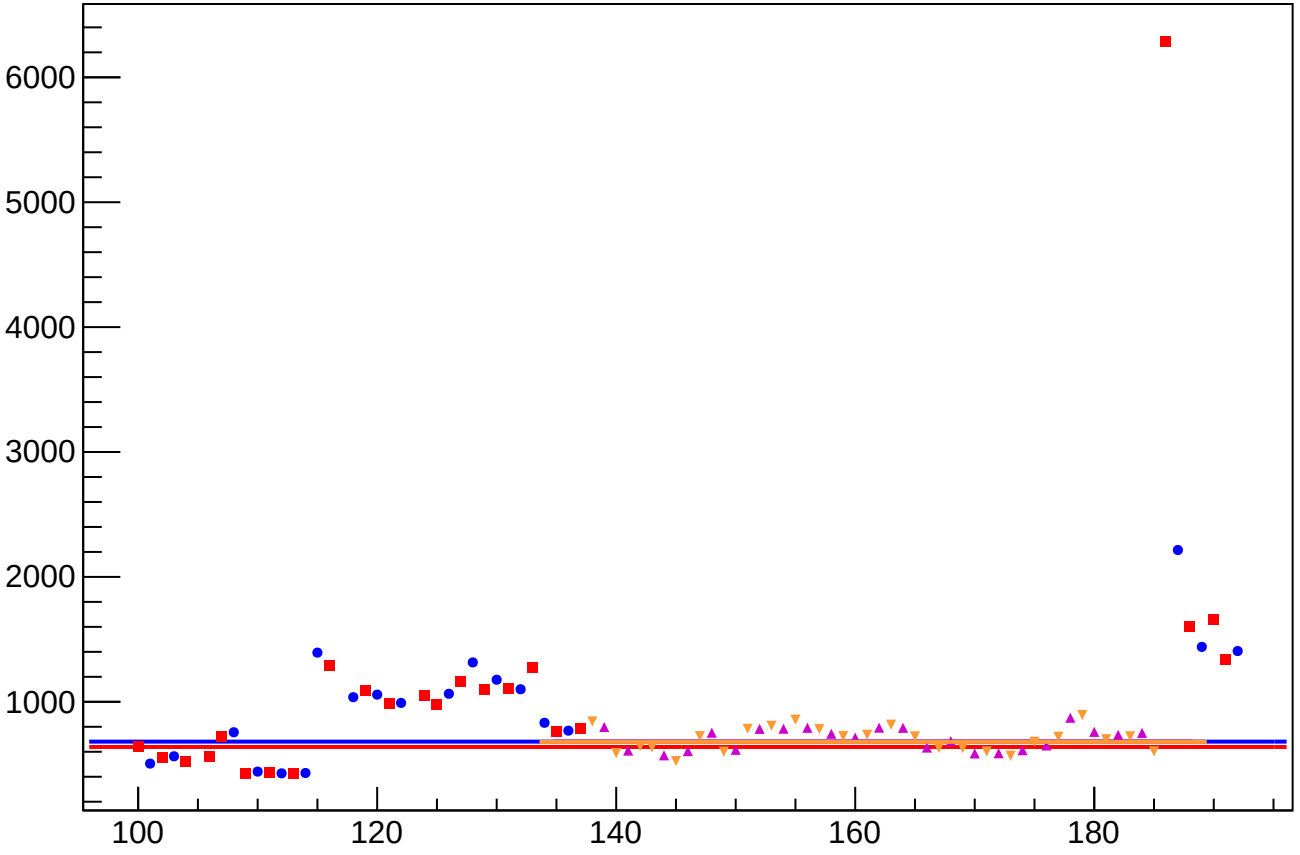
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -542.219+/-132.635 χ^2/NDF: 77.7/43

All: -402.759+/-93.805 χ^2/NDF: 126.0/89

- sign -263.197+/-132.684 χ^2/NDF: 46.0/45

asym_sam_1548_avg_reg_correction_rms vs Slug



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

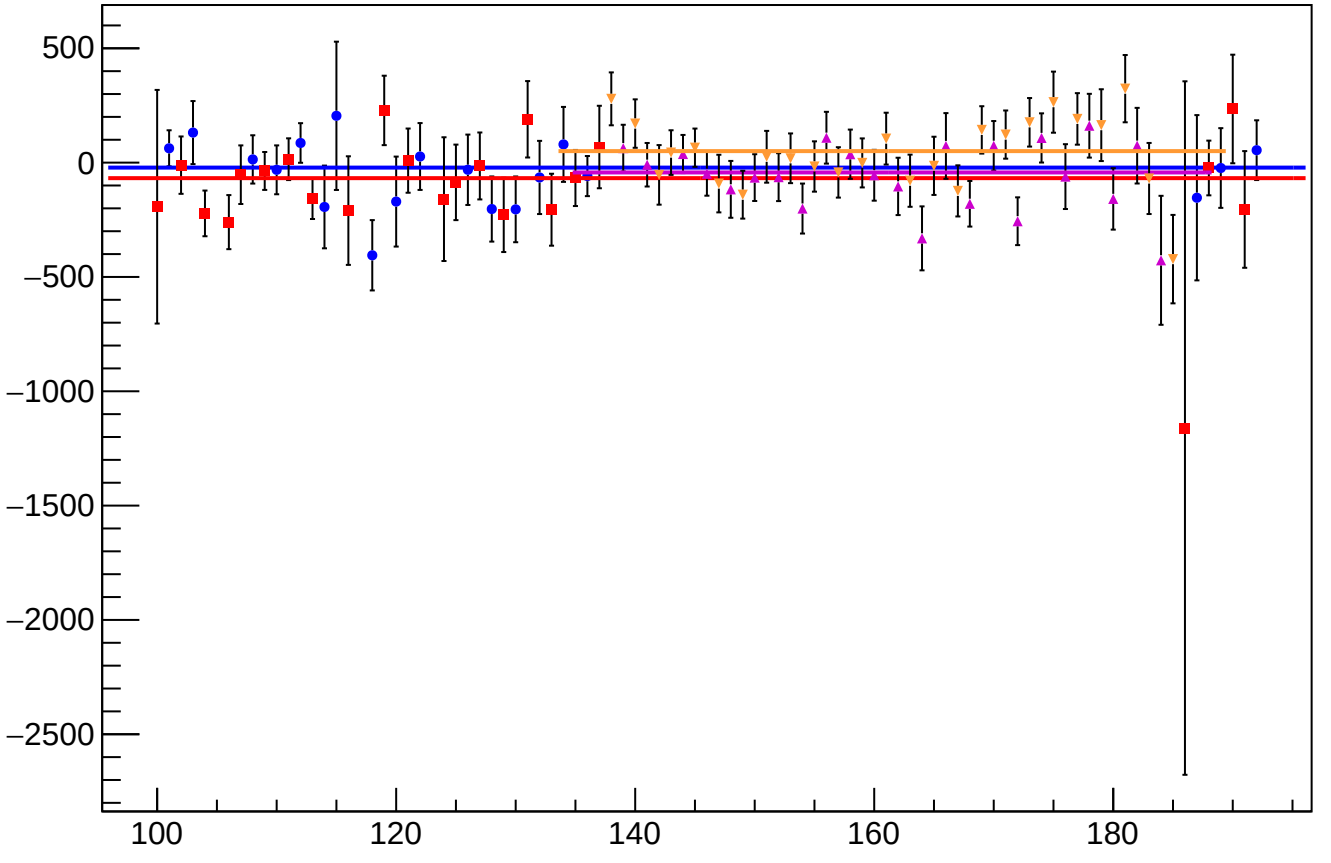
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 679.728+/-0.094 χ^2/NDF: 3640243.2/43

All: 673.850+/-0.066 χ^2/NDF: 8093276.5/89

- sign 667.968+/-0.094 χ^2/NDF: 4445175.2/45

cor_asym_sam_1548_avg_mean vs Slug



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

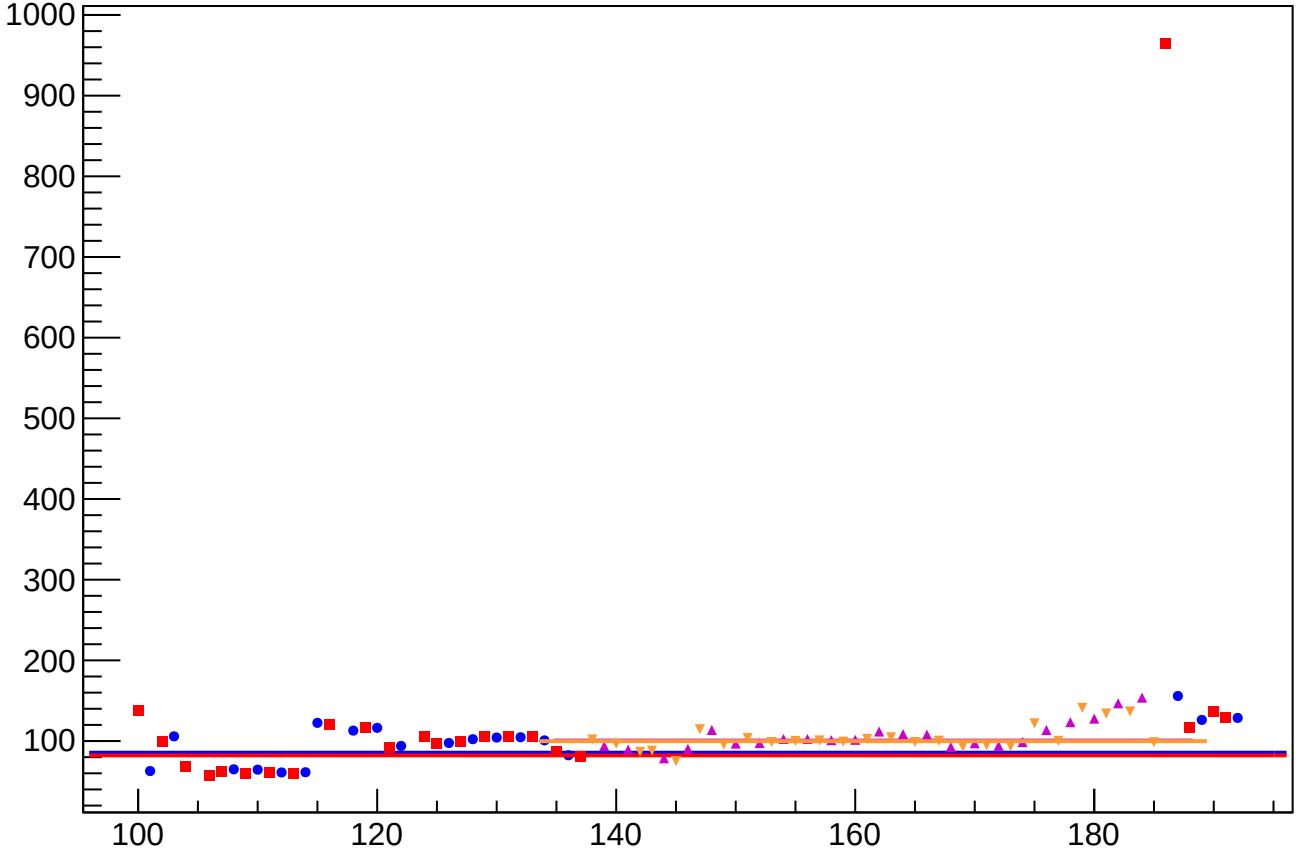
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.498+/-18.191 χ^2/NDF: 53.8/43

All: -14.638+/-12.896 χ^2/NDF: 109.0/89

- sign -53.169+/-18.285 χ^2/NDF: 46.4/45

cor_asym_sam_1548_avg_rms vs Slug



Right In: 85.506+/-0.021 χ^2/NDF: 1228434.8/18

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

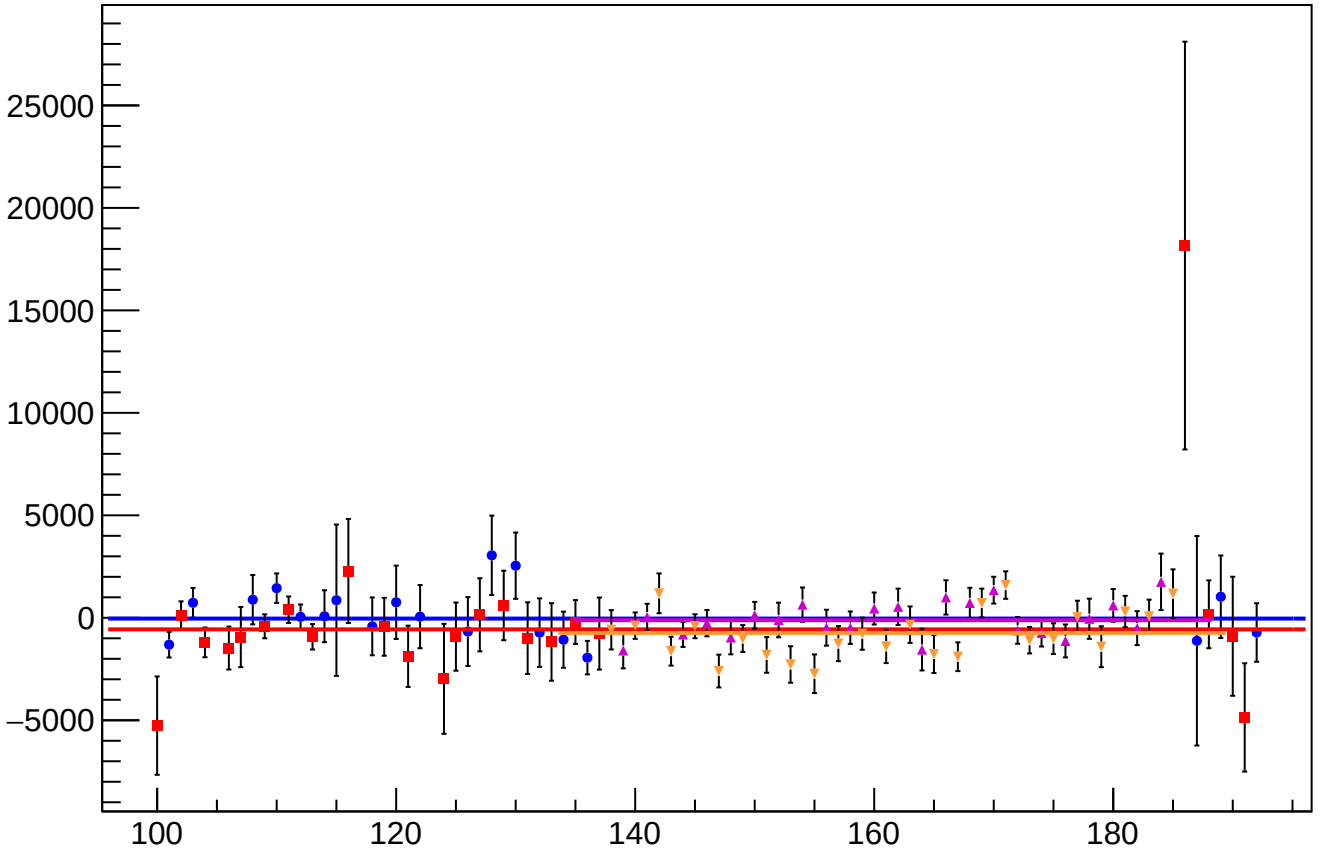
Right Out: 82.294+/-0.020 χ^2/NDF: 1987973.5/22

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 94.505+/-0.013 χ^2/NDF: 2216279.2/43

All: 93.795+/-0.009 χ^2/NDF: 5345914.1/89

- sign 93.077+/-0.013 χ^2/NDF: 3123500.0/45



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

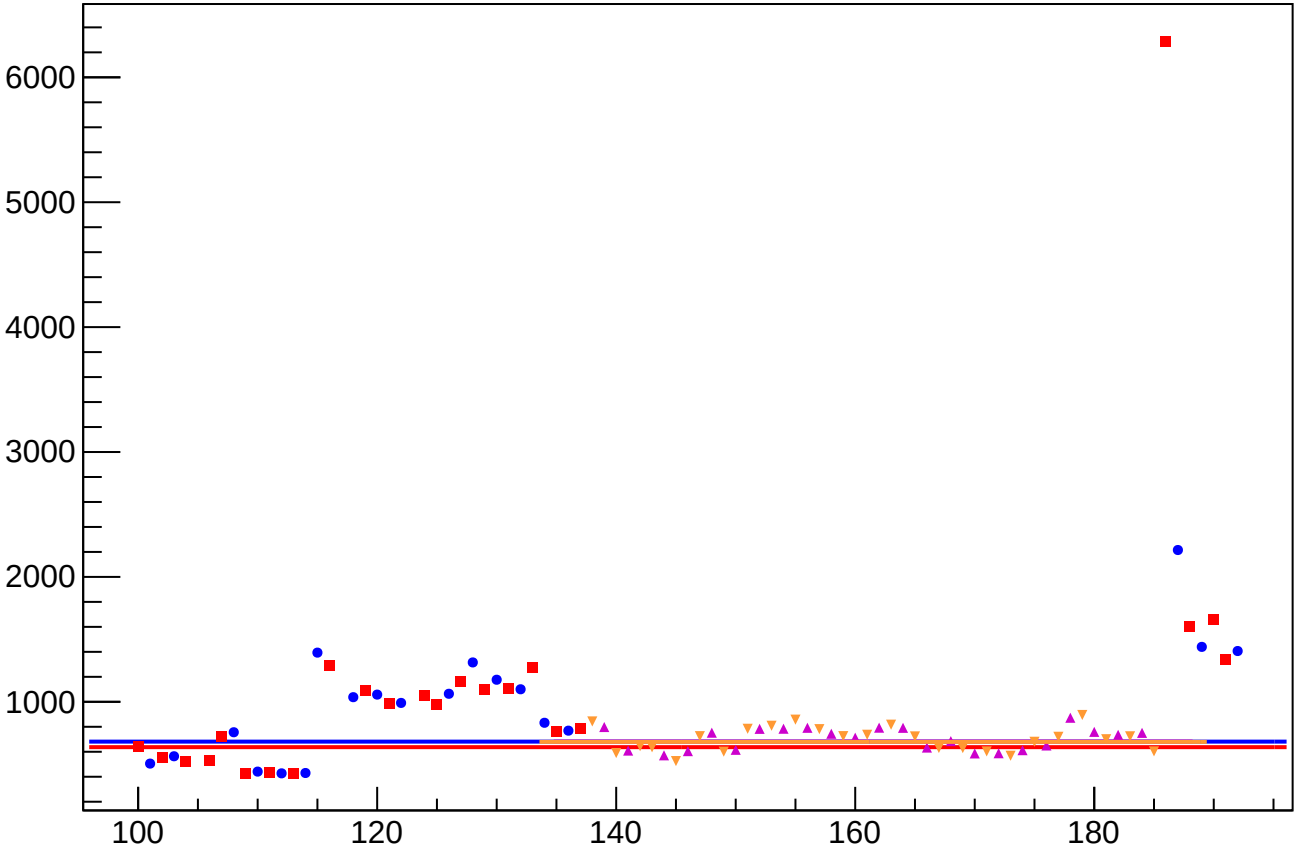
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -542.221+/-132.636 χ^2/NDF: 77.7/43

All: -400.729+/-93.814 χ^2/NDF: 125.4/89

- sign -259.079+/-132.710 χ^2/NDF: 45.4/45

asym_sam_1548_avg_cor_correction_rms vs Slug



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

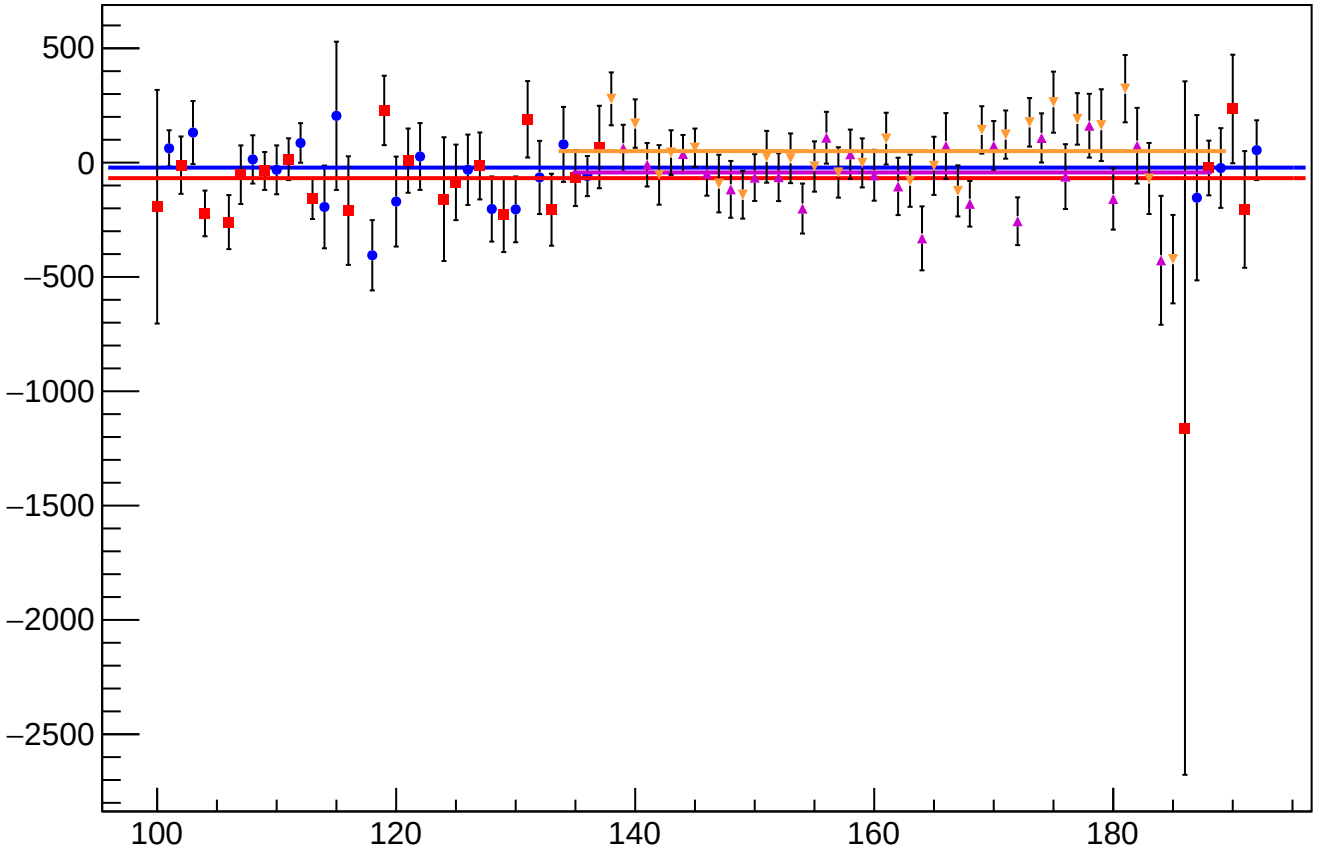
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 679.730+/-0.094 χ^2/NDF: 3640180.2/43

All: 673.606+/-0.066 χ^2/NDF: 8108400.2/89

- sign 667.474+/-0.094 χ^2/NDF: 4459685.9/45

eigen_cor_asym_sam_1548_avg_mean vs Slug



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

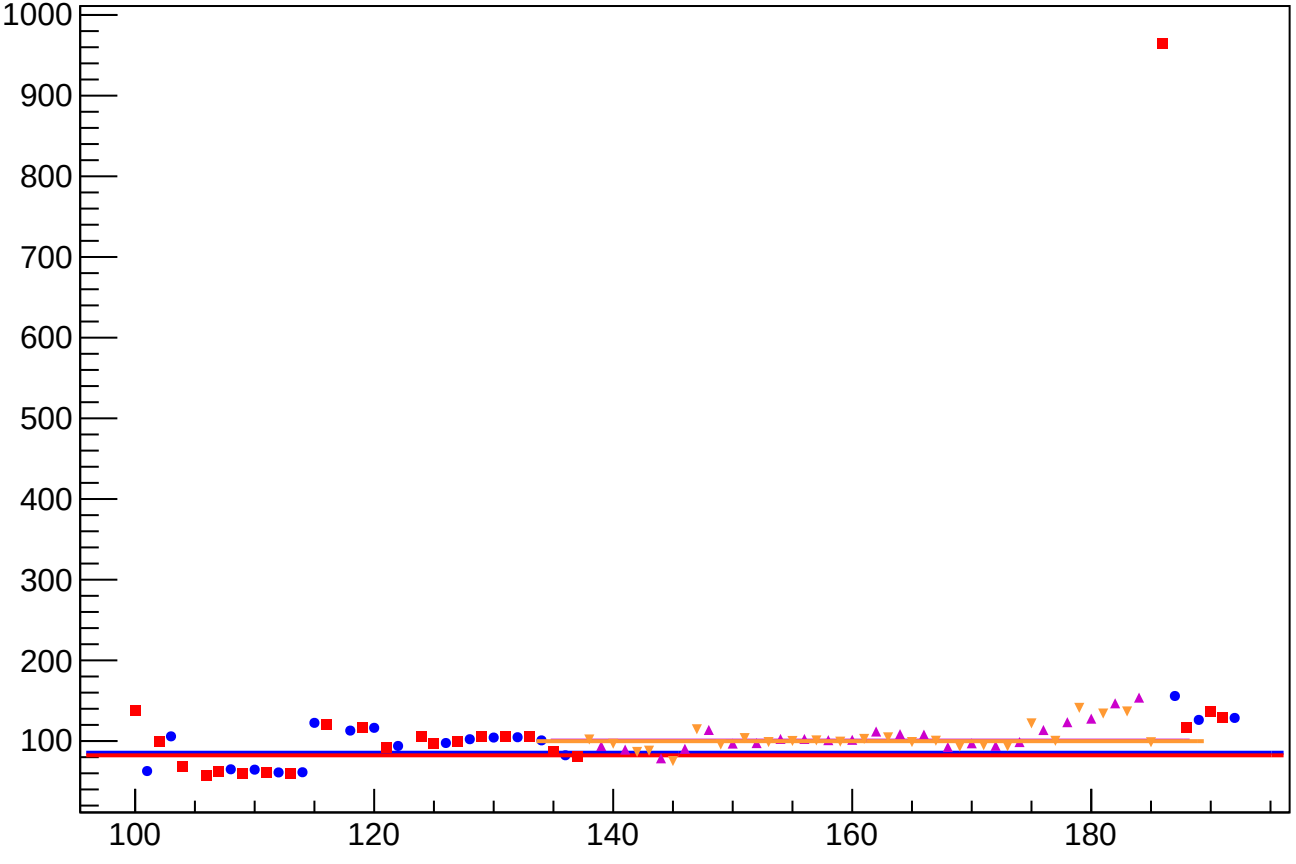
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.498+/-18.191 χ^2/NDF: 53.8/43

All: -14.638+/-12.896 χ^2/NDF: 109.0/89

- sign -53.169+/-18.285 χ^2/NDF: 46.4/45

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 85.506+/-0.021 χ^2/NDF: 1228434.8/18

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

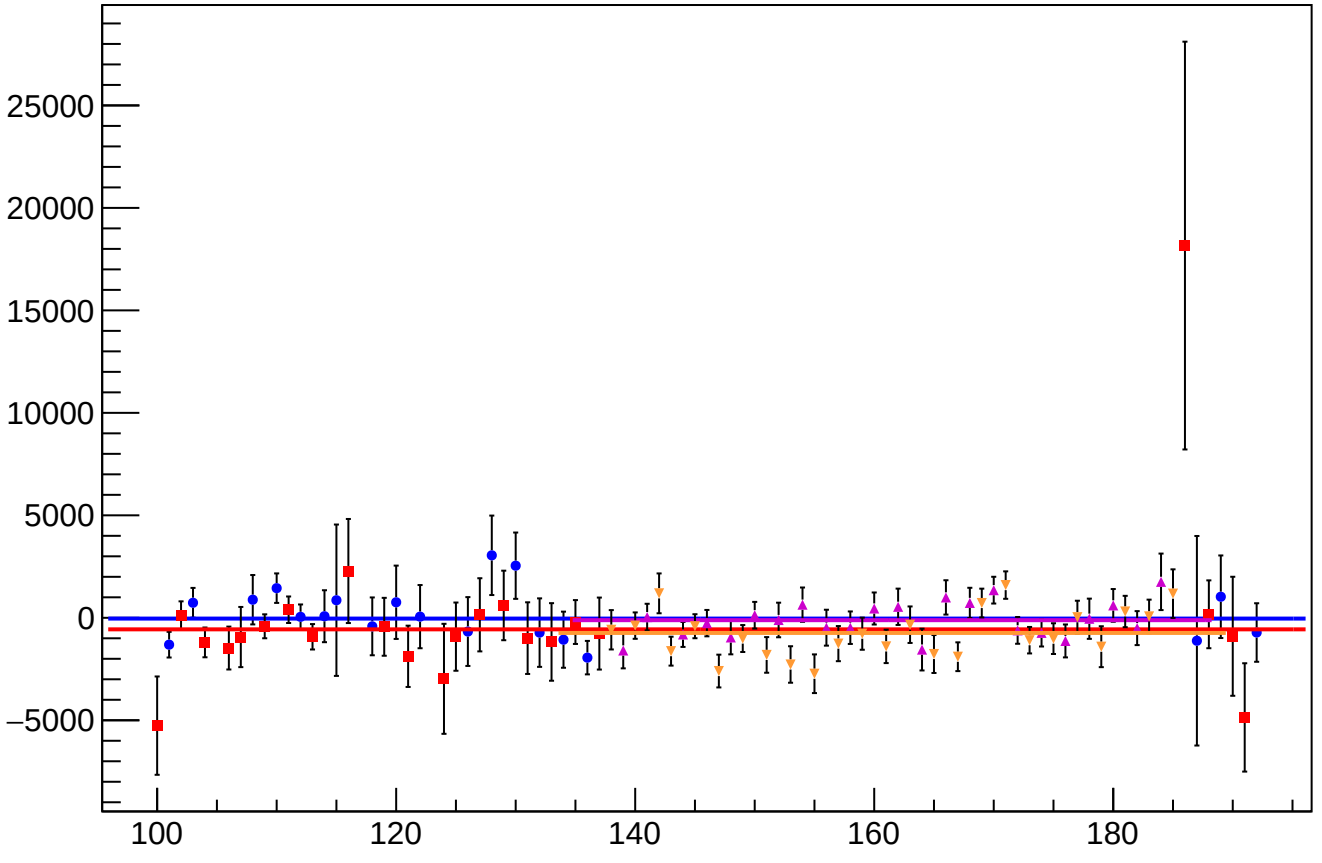
Right Out: 82.294+/-0.020 χ^2/NDF: 1987973.5/22

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 94.505+/-0.013 χ^2/NDF: 2216279.2/43

All: 93.795+/-0.009 χ^2/NDF: 5345914.1/89

- sign 93.077+/-0.013 χ^2/NDF: 3123500.0/45



Right In: -37.842+/-250.665 χ^2/NDF: 22.4/18

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

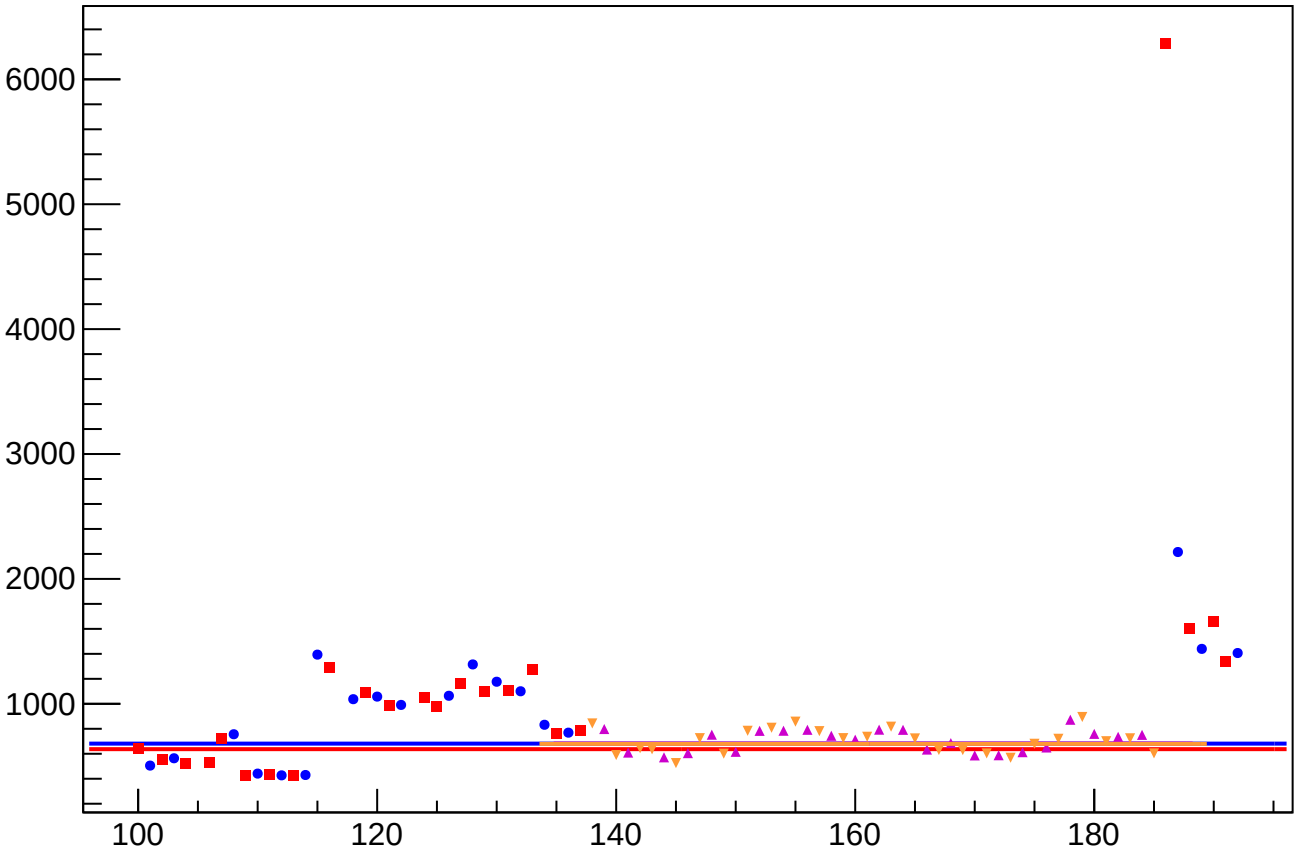
Right Out: -563.228+/-234.427 χ^2/NDF: 19.2/22

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -542.221+/-132.636 χ^2/NDF: 77.7/43

All: -400.729+/-93.814 χ^2/NDF: 125.4/89

- sign -259.079+/-132.710 χ^2/NDF: 45.4/45



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

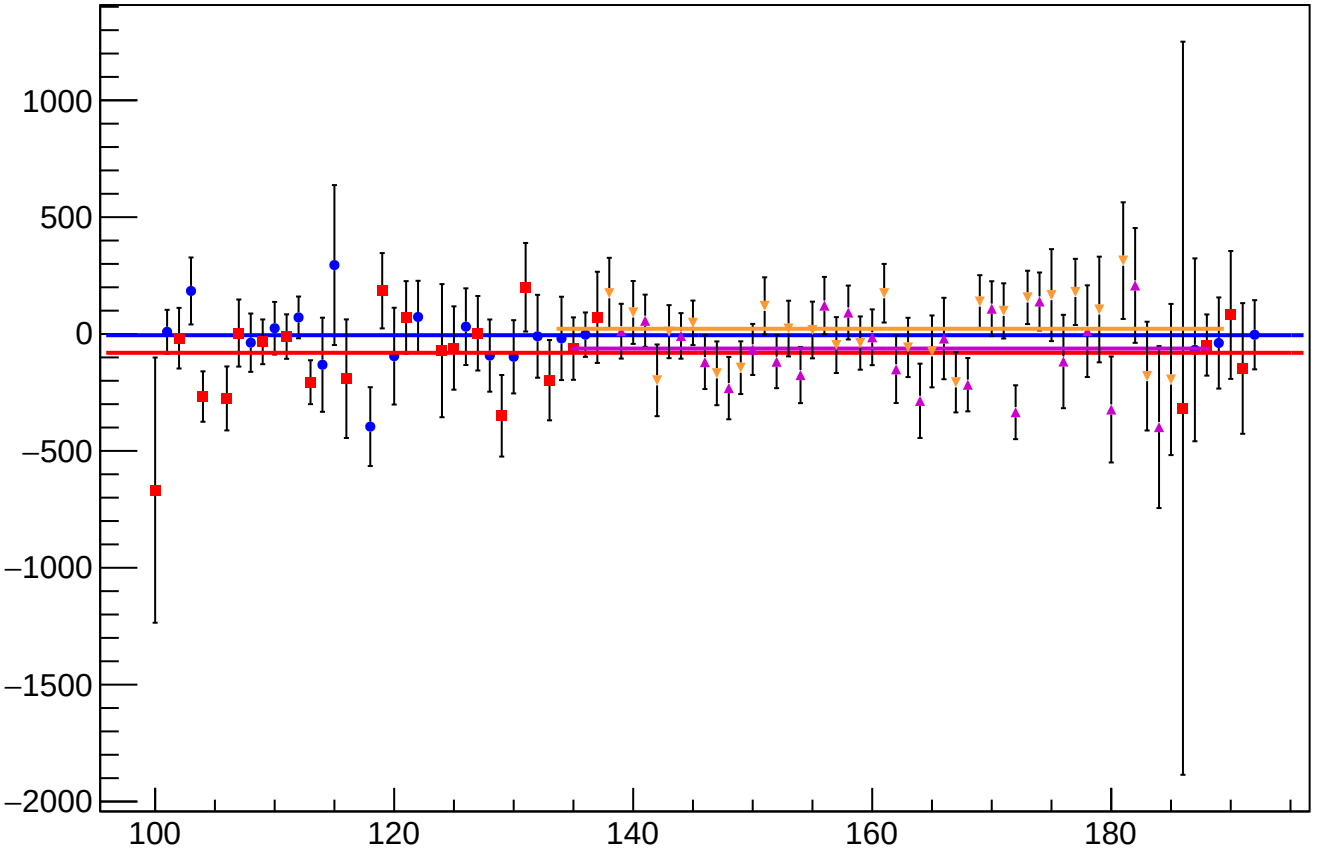
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 679.730+/-0.094 χ^2/NDF: 3640180.2/43

All: 673.606+/-0.066 χ^2/NDF: 8108400.2/89

- sign 667.474+/-0.094 χ^2/NDF: 4459685.9/45

dit_asym_sam_1548_avg_mean vs Slug



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

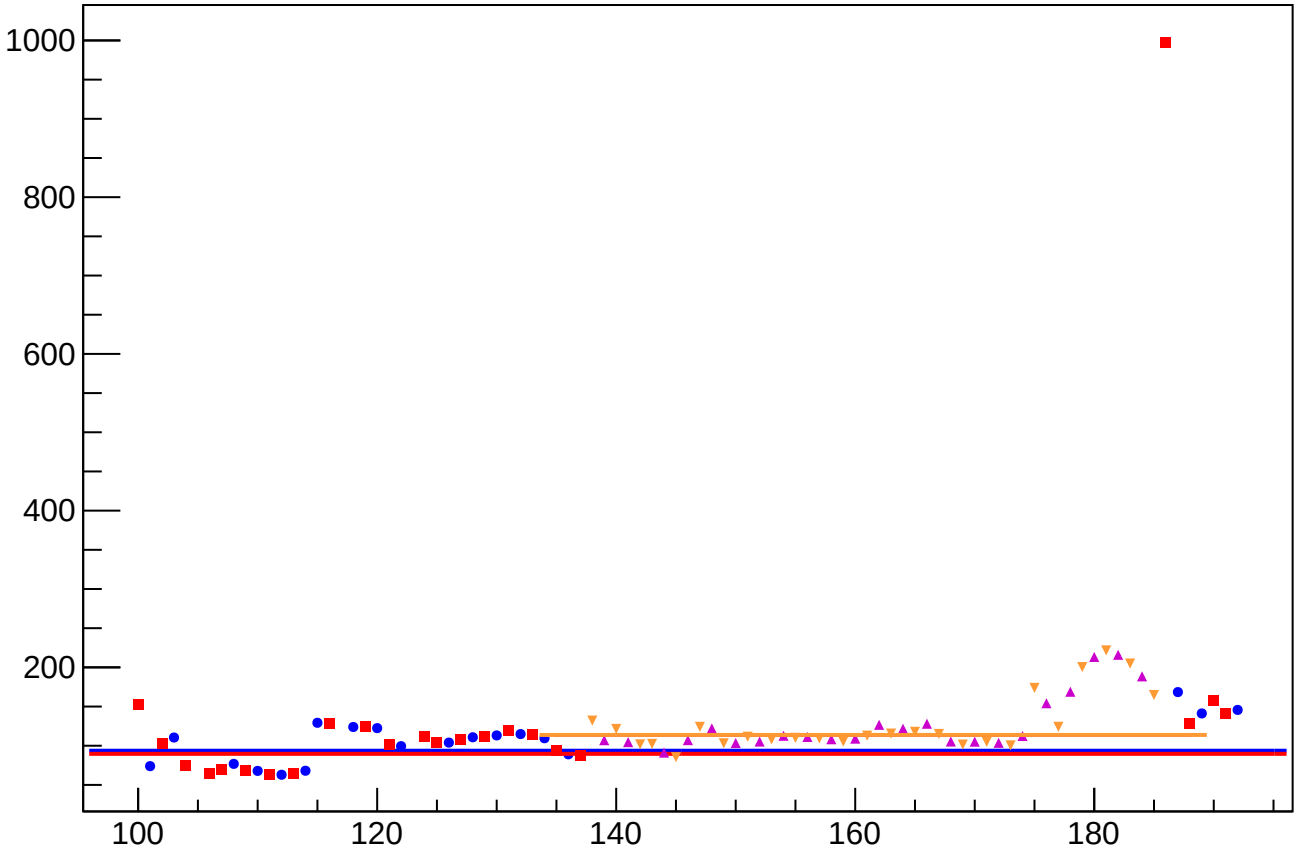
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 11.537+/-20.652 χ^2/NDF: 32.4/43

All: -29.402+/-14.576 χ^2/NDF: 87.3/89

- sign -70.039+/-20.576 χ^2/NDF: 47.1/45

dit_asym_sam_1548_avg_rms vs Slug



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

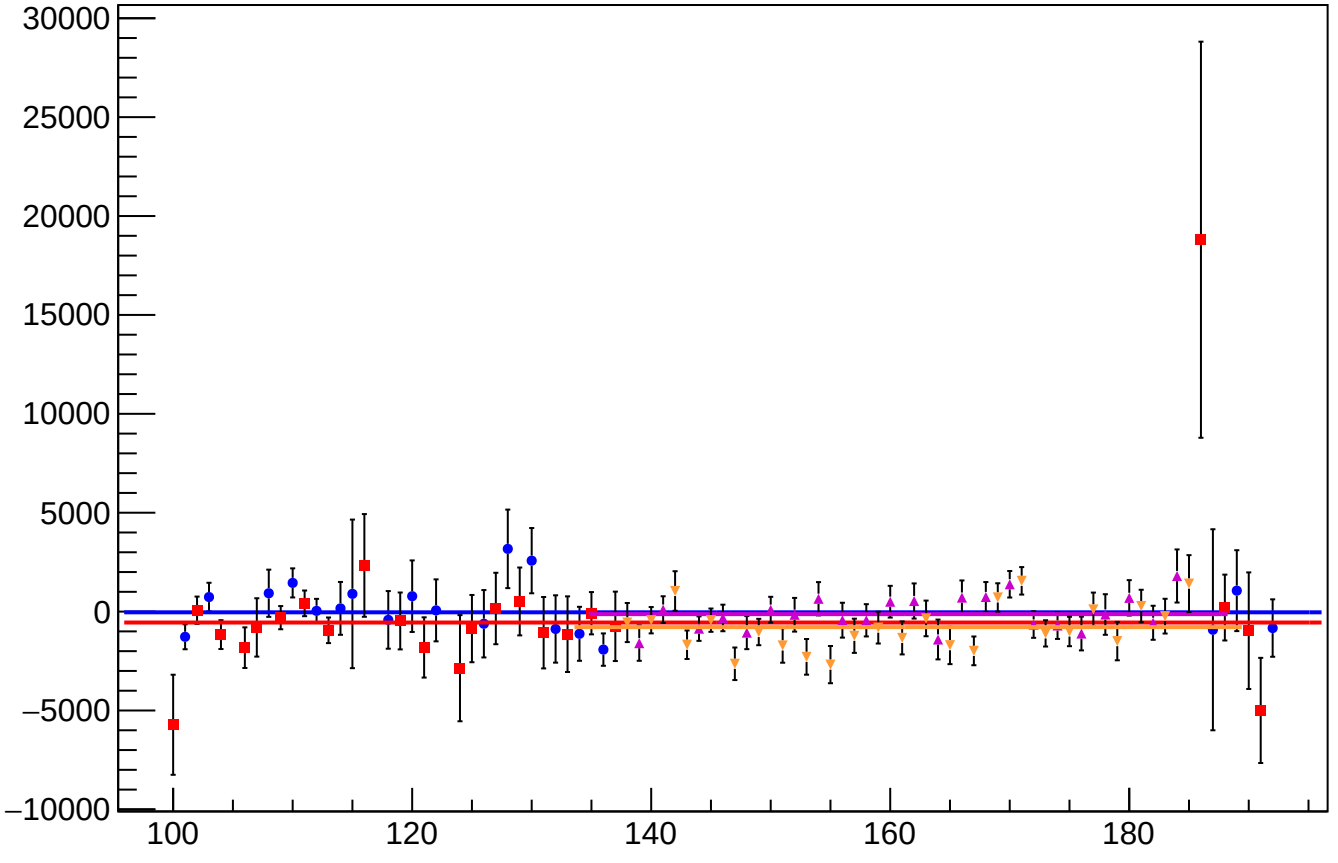
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 105.723+/-0.015 χ^2/NDF: 3240526.2/43

All: 104.488+/-0.010 χ^2/NDF: 7191123.2/89

- sign 103.262+/-0.015 χ^2/NDF: 3936348.0/45

asym_sam_1548_avg_dit_correction_mean vs Slug



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

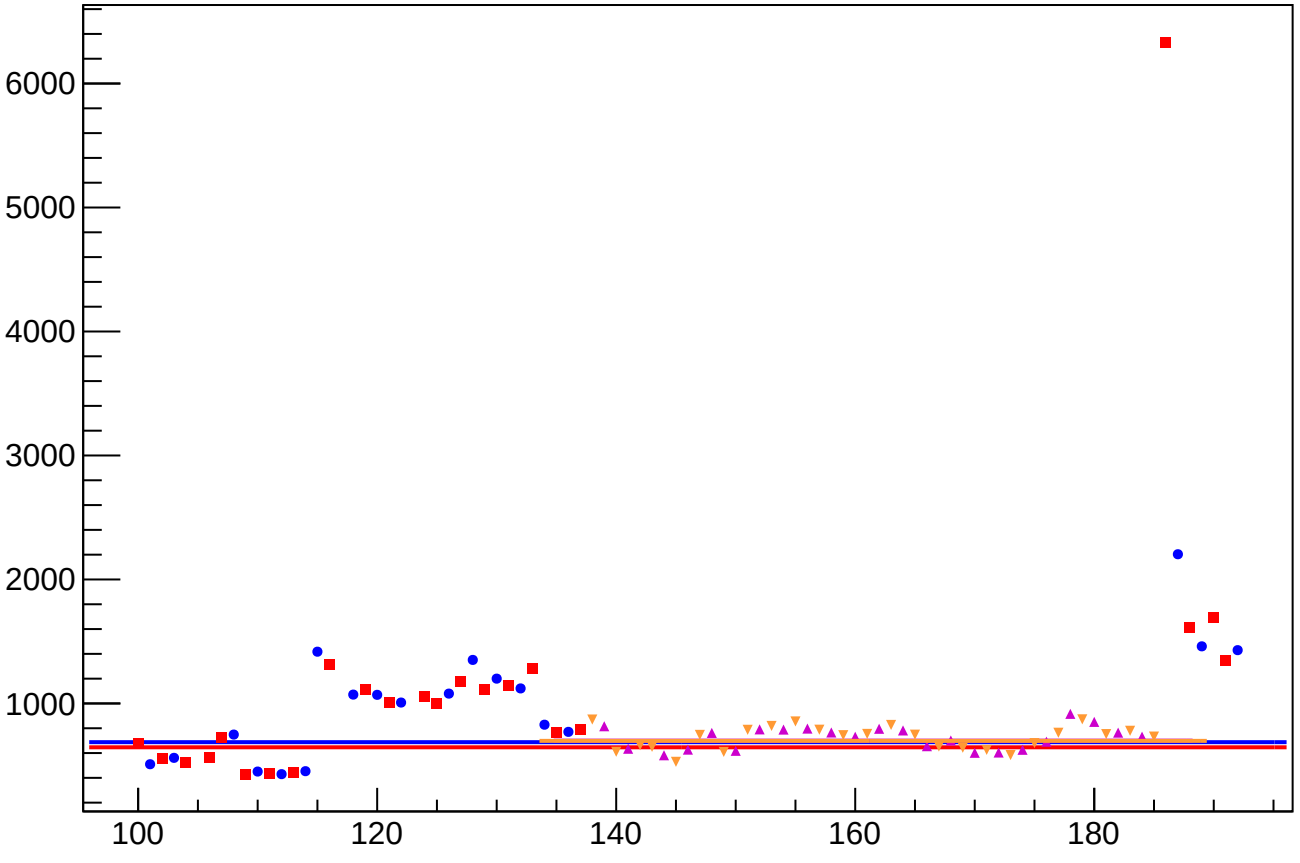
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -569.640+/-135.529 χ^2/NDF: 73.8/43

All: -418.245+/-95.840 χ^2/NDF: 121.6/89

- sign -266.812+/-135.546 χ^2/NDF: 45.3/45

asym_sam_1548_avg_dit_correction_rms vs Slug



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

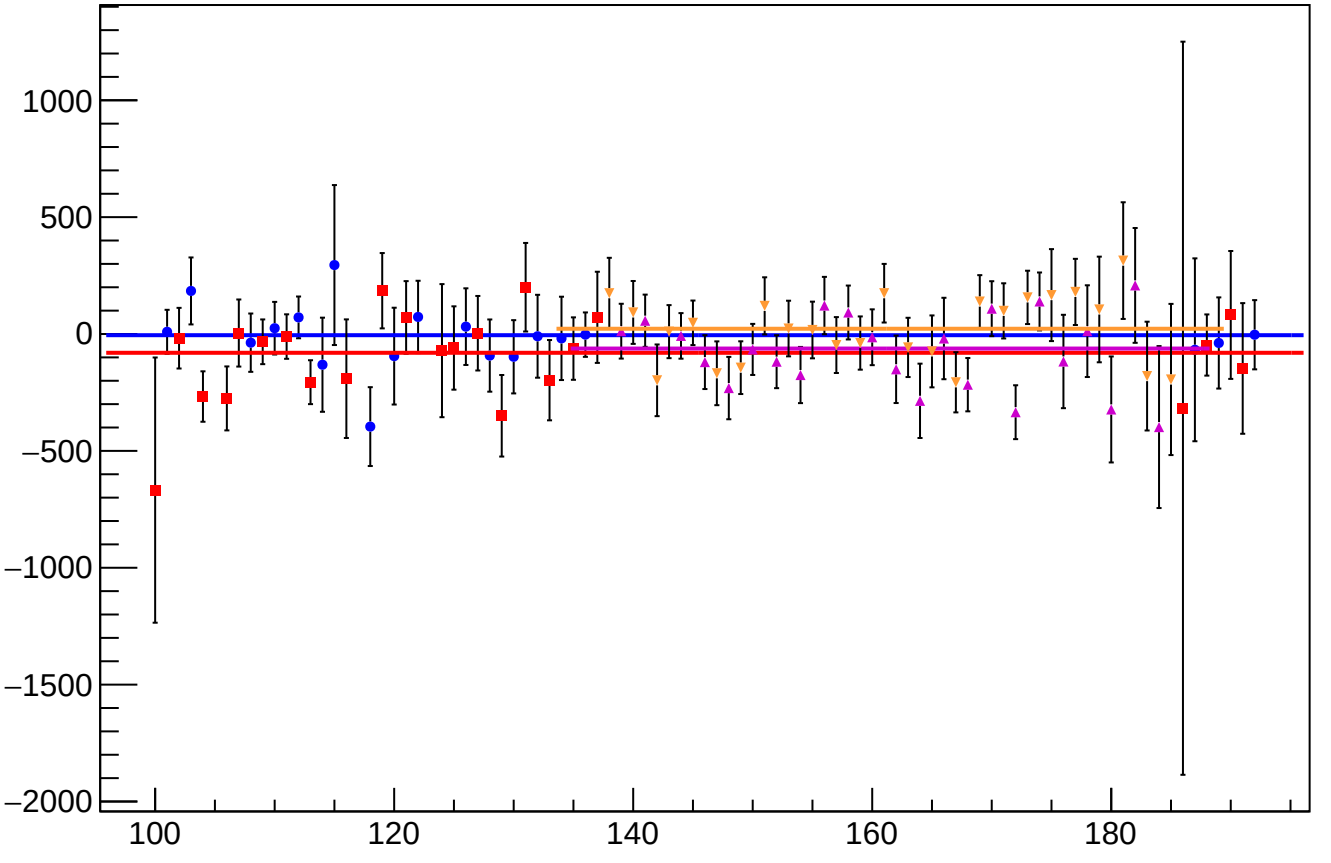
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 695.222+/-0.096 χ^2/NDF: 3639150.1/43

All: 688.867+/-0.068 χ^2/NDF: 8127849.5/89

- sign 682.511+/-0.096 χ^2/NDF: 4479903.5/45

eigen_dit_asym_sam_1548_avg_mean vs Slug



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

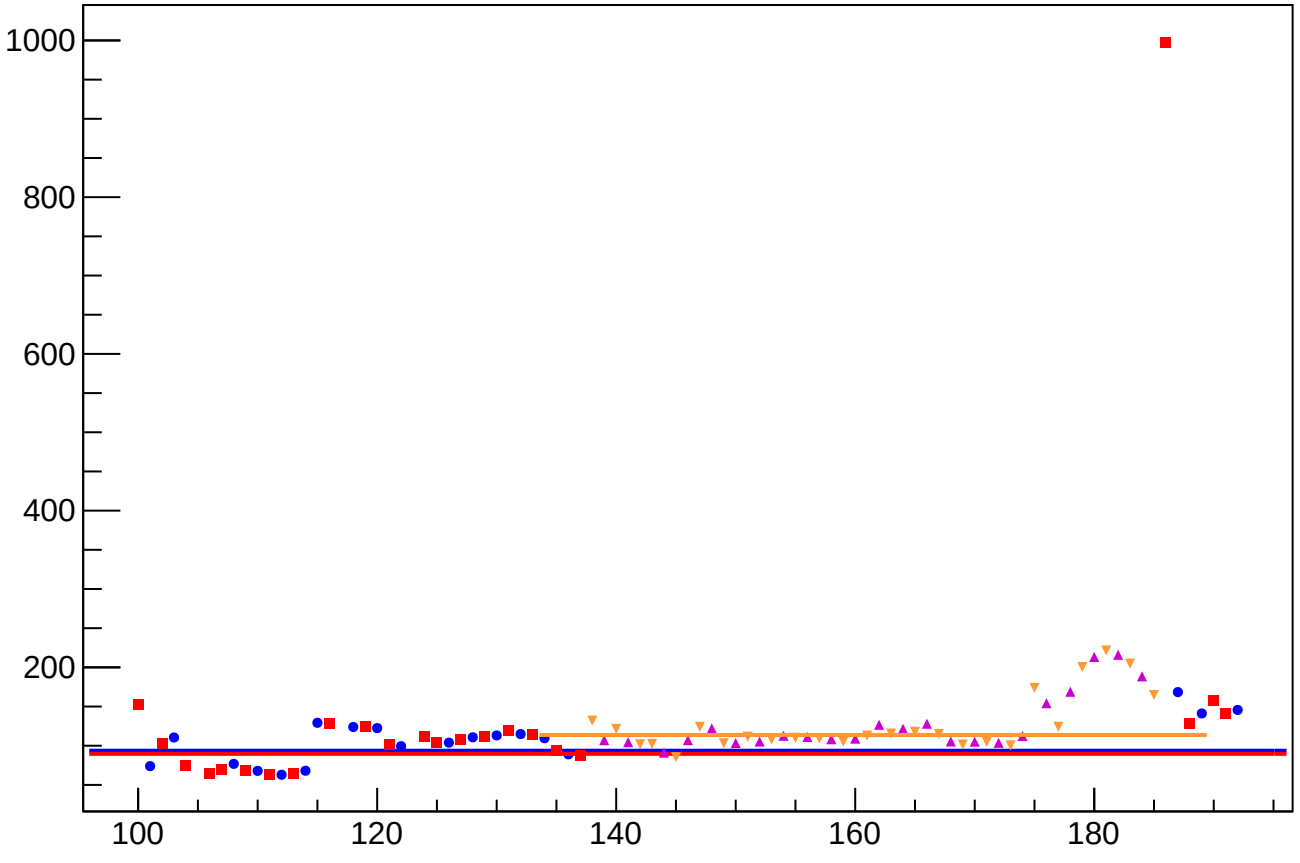
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 11.538+/-20.652 χ^2/NDF: 32.4/43

All: -29.402+/-14.576 χ^2/NDF: 87.3/89

- sign -70.039+/-20.576 χ^2/NDF: 47.1/45

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 93.615+/-0.023 χ^2/NDF: 1203946.6/18

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

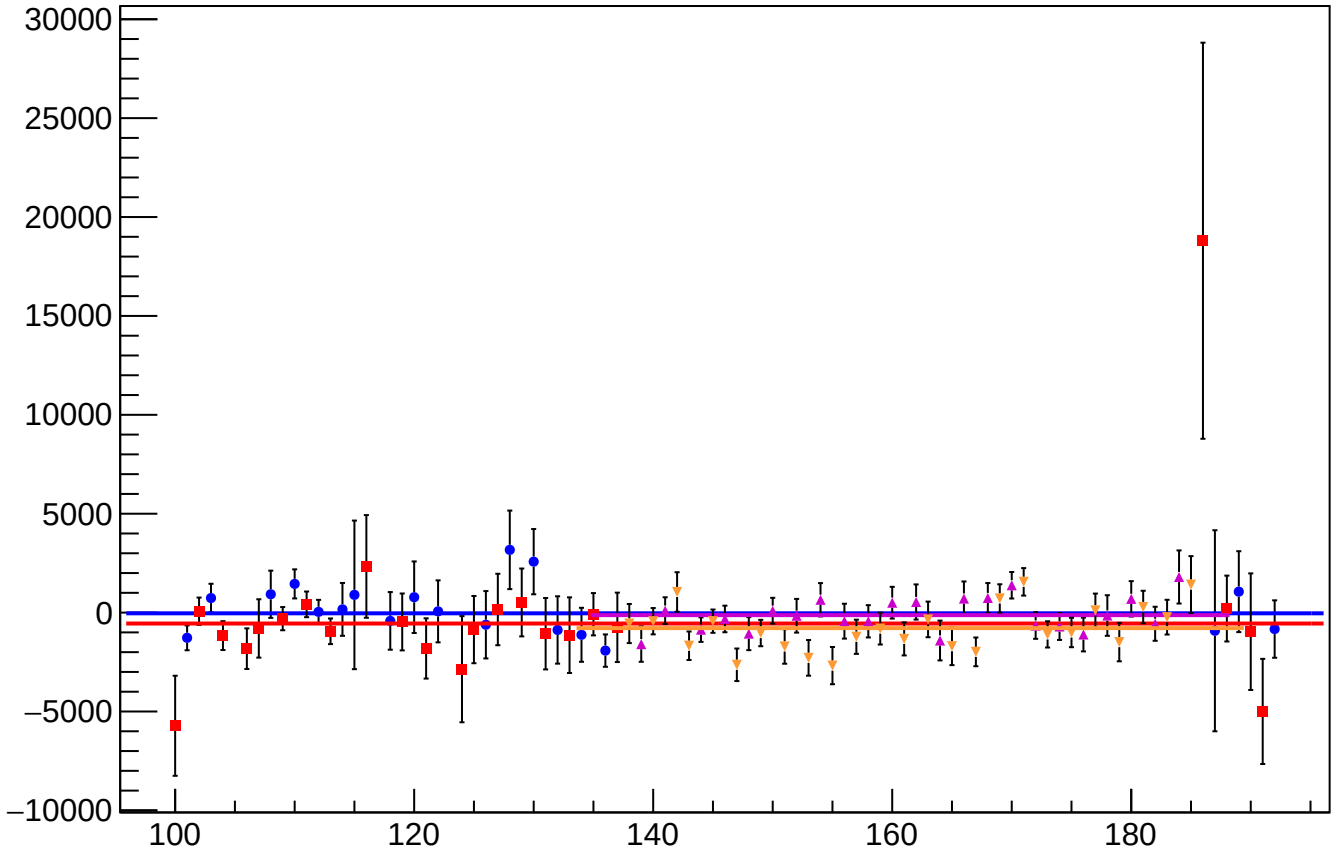
Right Out: 89.655+/-0.022 χ^2/NDF: 1950848.3/22

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 105.723+/-0.015 χ^2/NDF: 3240519.8/43

All: 104.488+/-0.010 χ^2/NDF: 7191108.1/89

- sign 103.262+/-0.015 χ^2/NDF: 3936339.5/45



Right In: -35.853+/-253.074 χ^2/NDF: 22.2/18

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

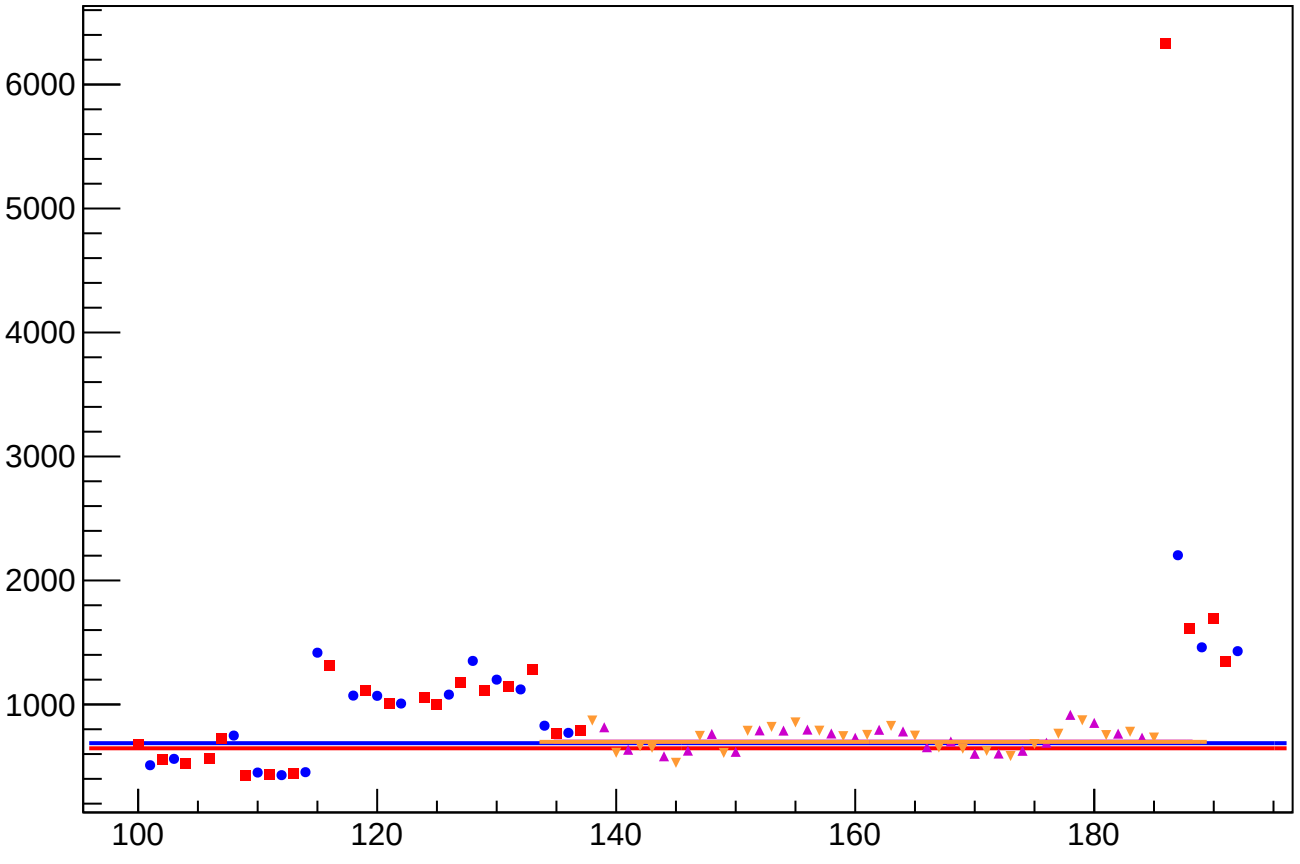
Right Out: -551.881+/-236.951 χ^2/NDF: 20.4/22

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -569.639+/-135.529 χ^2/NDF: 73.8/43

All: -418.244+/-95.840 χ^2/NDF: 121.6/89

- sign -266.811+/-135.546 χ^2/NDF: 45.3/45



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

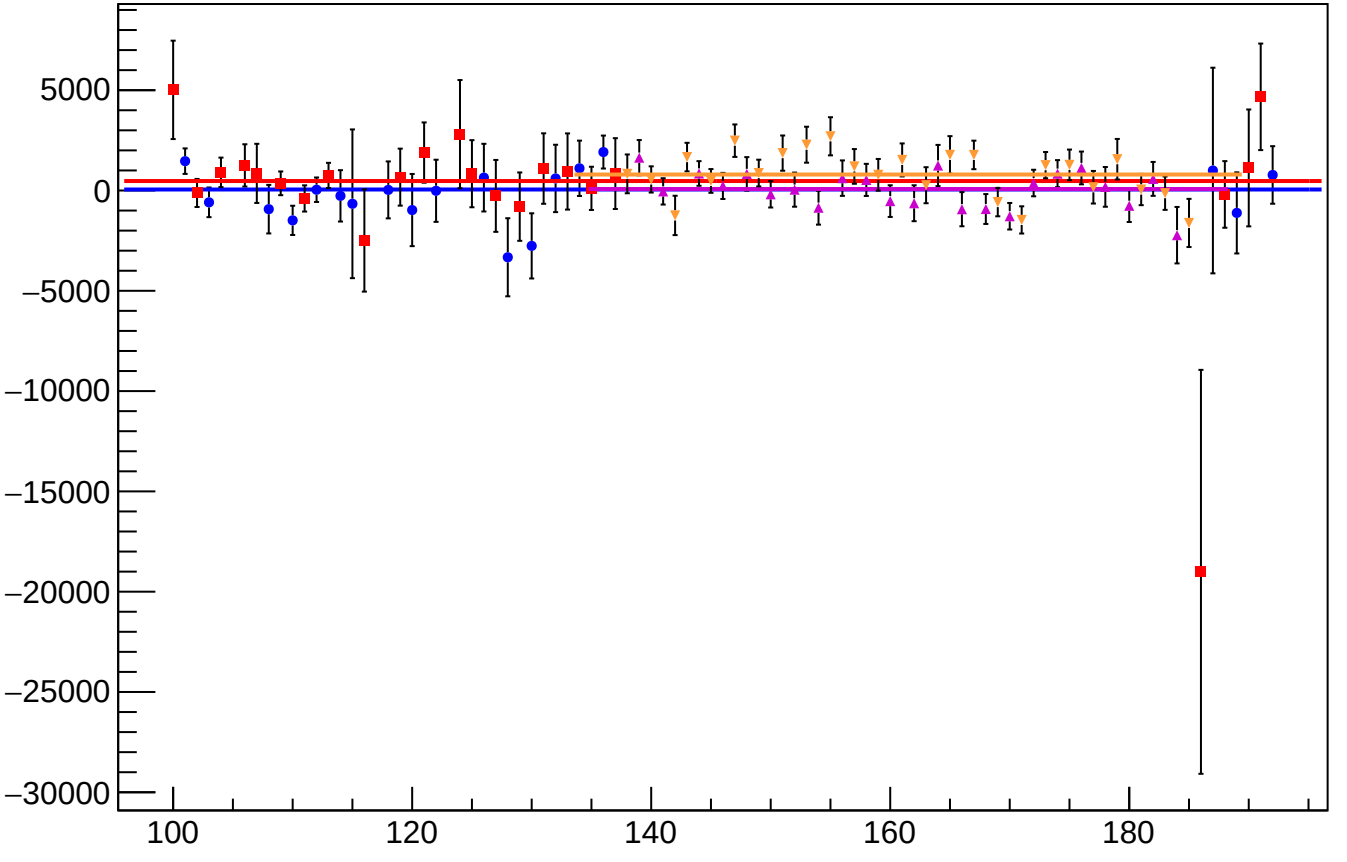
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 695.221+/-0.096 χ^2/NDF: 3639150.7/43

All: 688.866+/-0.068 χ^2/NDF: 8127846.6/89

- sign 682.510+/-0.096 χ^2/NDF: 4479900.1/45

asym_sam_1548_avg_mean vs Slug



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

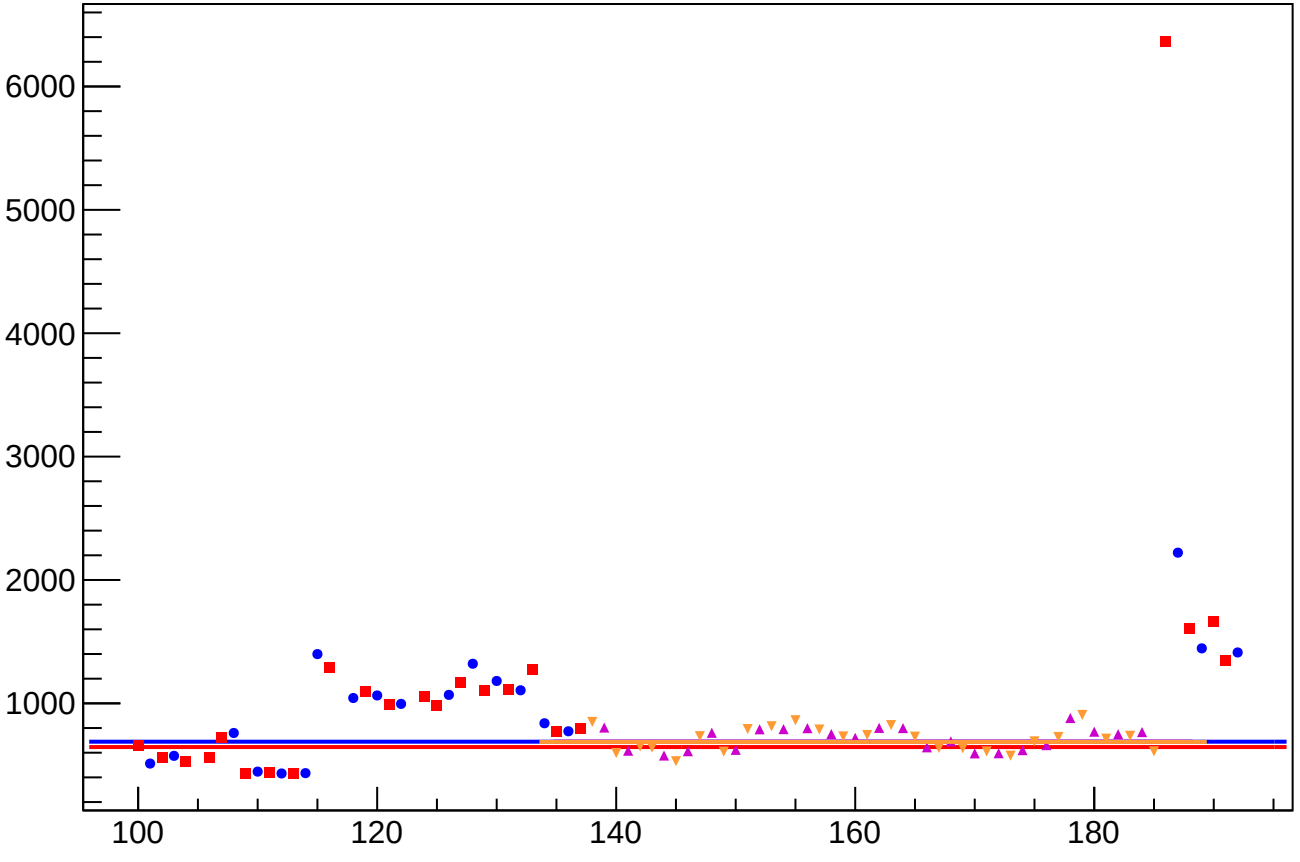
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 587.464+/-134.146 χ^2/NDF: 76.5/43

All: 394.540+/-94.874 χ^2/NDF: 125.2/89

- sign 201.462+/-134.199 χ^2/NDF: 44.5/45

asym_sam_1548_avg_rms vs Slug



Right In: 689.254+/-0.179 χ^2/NDF: 2861078.7/18

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

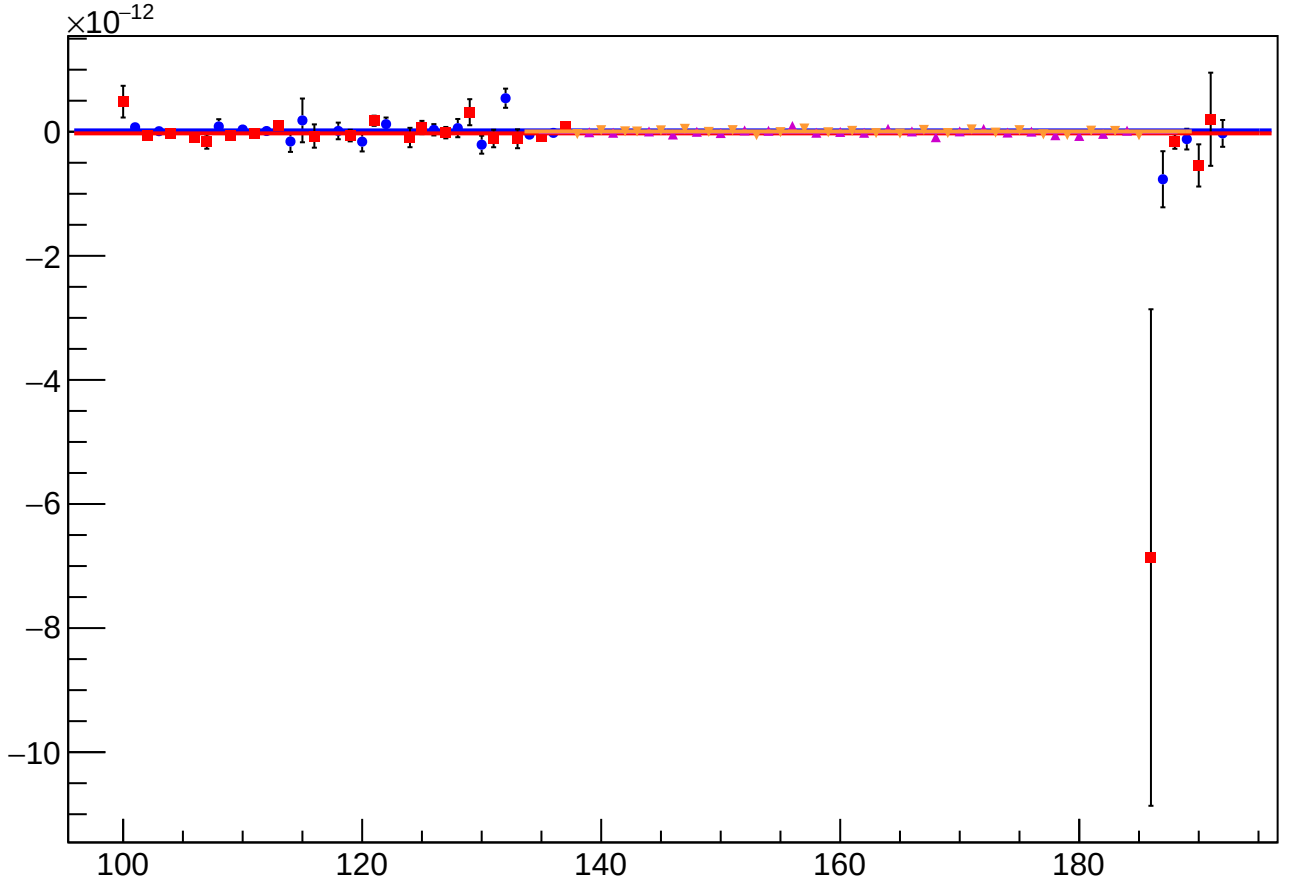
Right Out: 645.803+/-0.167 χ^2/NDF: 3787338.3/22

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 687.807+/-0.095 χ^2/NDF: 3589163.4/43

All: 681.808+/-0.067 χ^2/NDF: 7998880.7/89

- sign 675.804+/-0.095 χ^2/NDF: 4401714.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

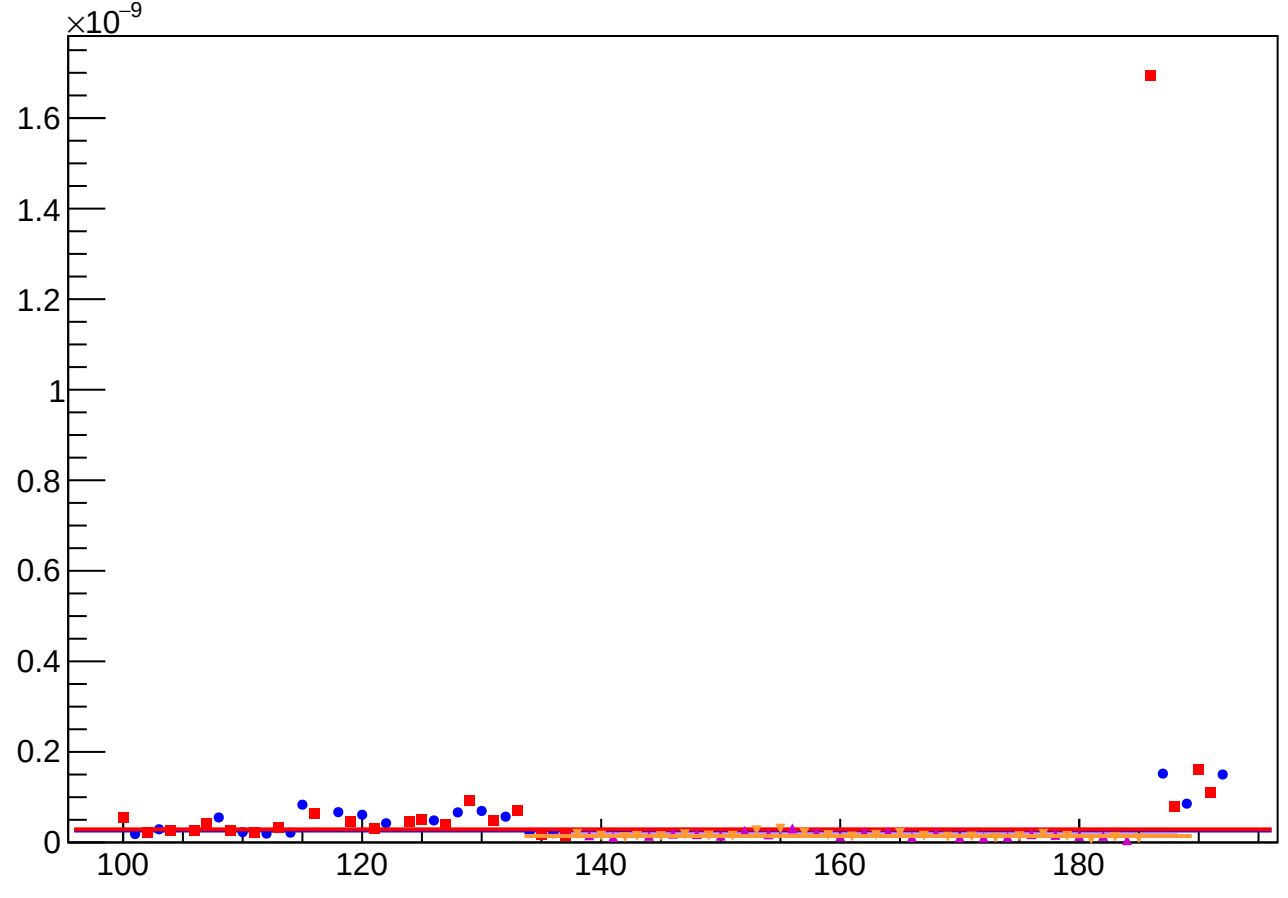
Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/22

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.5/43

All: -0.000+/-0.000 χ^2/NDF: 114.6/89

- sign -0.000+/-0.000 χ^2/NDF: 60.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 2385989.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

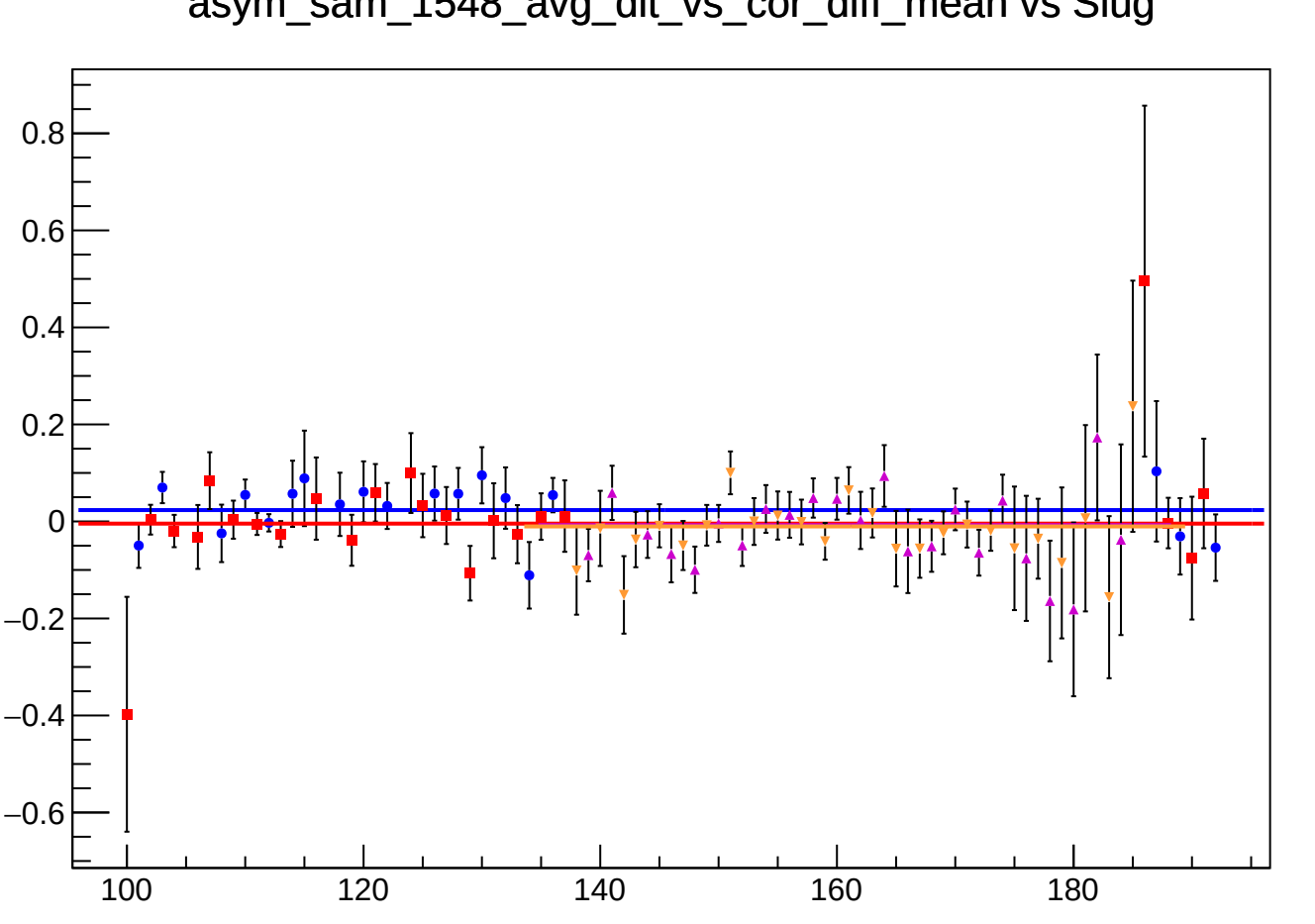
Right Out: 0.000+/-0.000 χ^2/NDF: 2048204.5/22

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

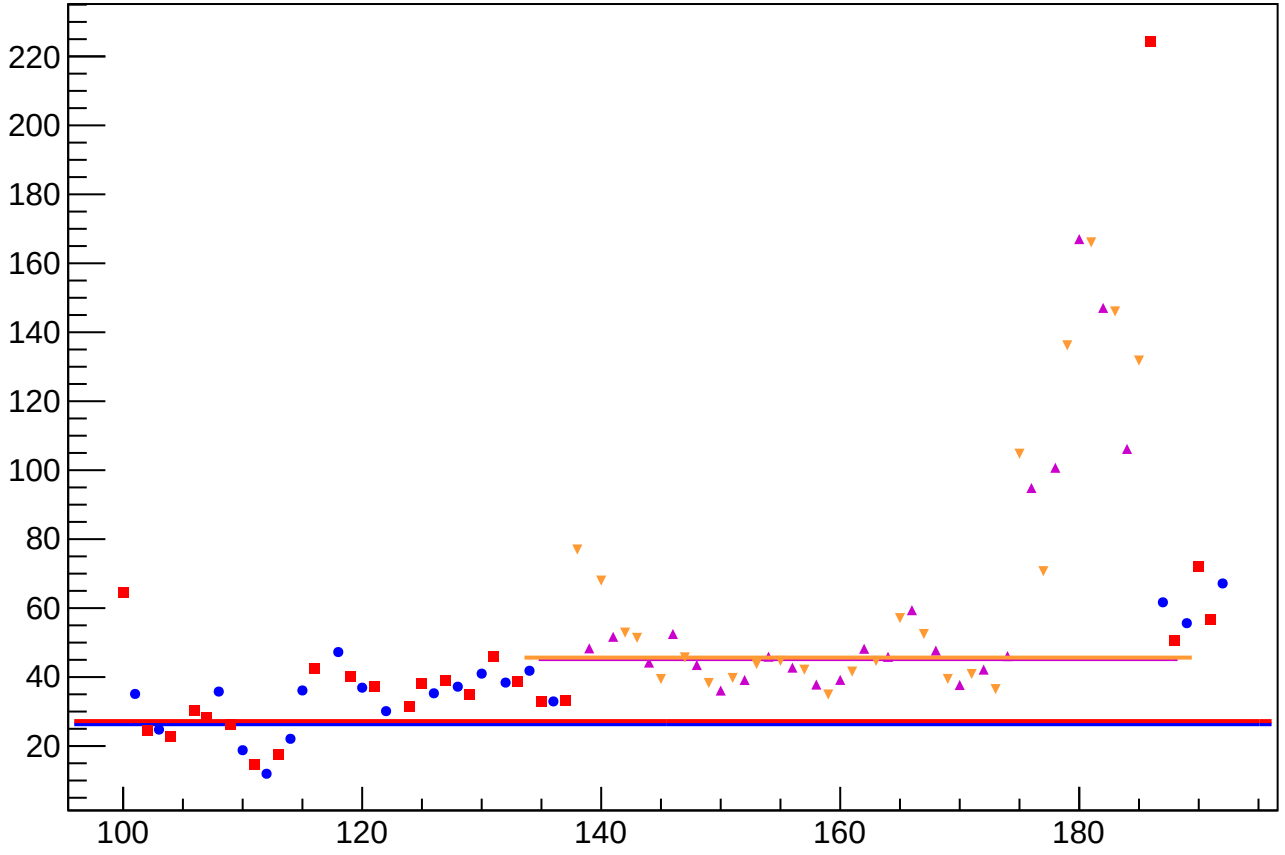
+ sign 0.000+/-0.000 χ^2/NDF: 4519675.1/43

All: 0.000+/-0.000 χ^2/NDF: 8990740.5/89

- sign 0.000+/-0.000 χ^2/NDF: 4429381.8/45


asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
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
+ sign 0.008+/-0.008 χ²/NDF: 41.6/43
All: 0.001+/-0.005 χ²/NDF: 82.9/89
- sign -0.006+/-0.008 χ²/NDF: 39.5/45

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 26.333+/-0.007 χ^2/NDF: 3450156.7/18

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

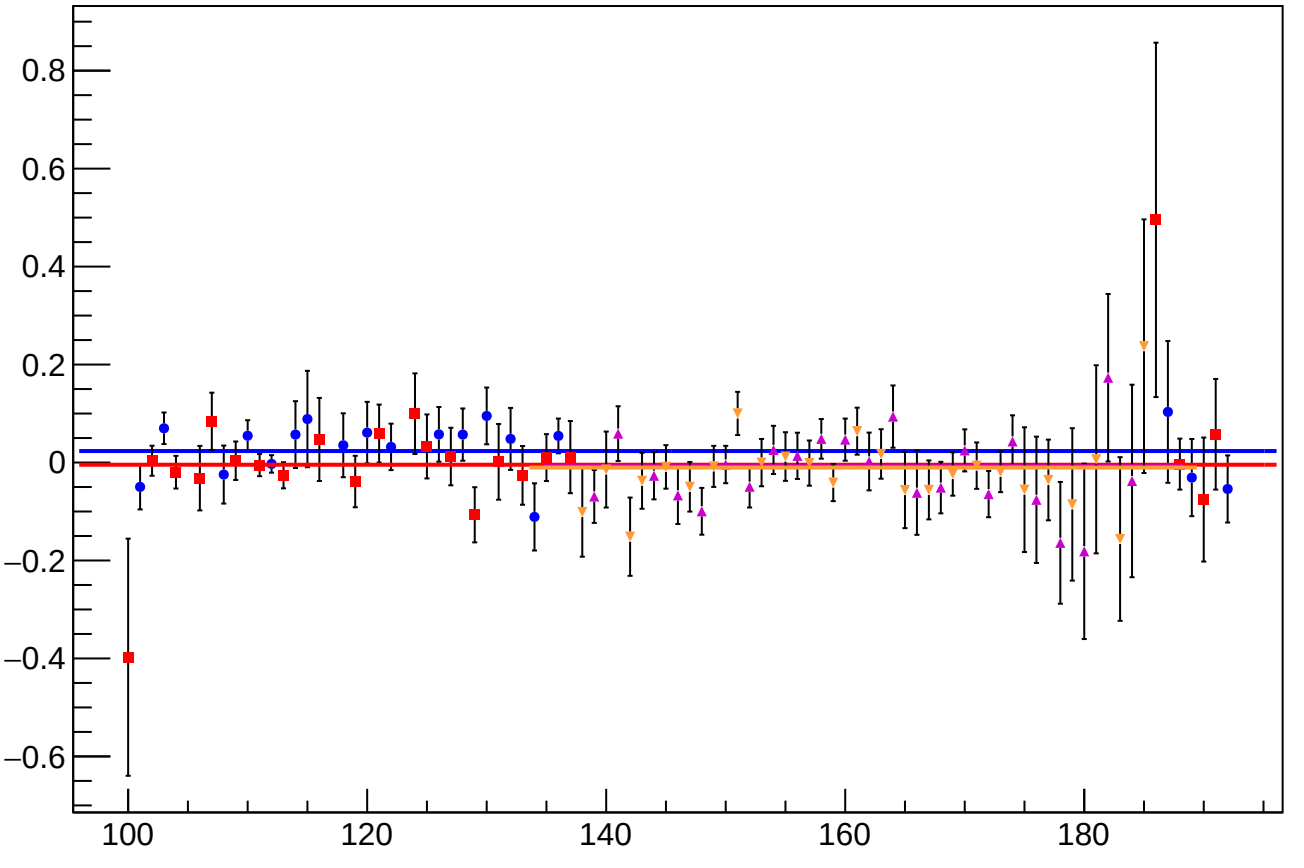
Right Out: 27.234+/-0.007 χ^2/NDF: 3043990.5/22

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

\+ sign 34.961+/-0.005 χ^2/NDF: 10713909.5/43

All: 35.033+/-0.004 χ^2/NDF: 19541346.4/89

\- sign 35.106+/-0.005 χ^2/NDF: 8827069.0/45



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

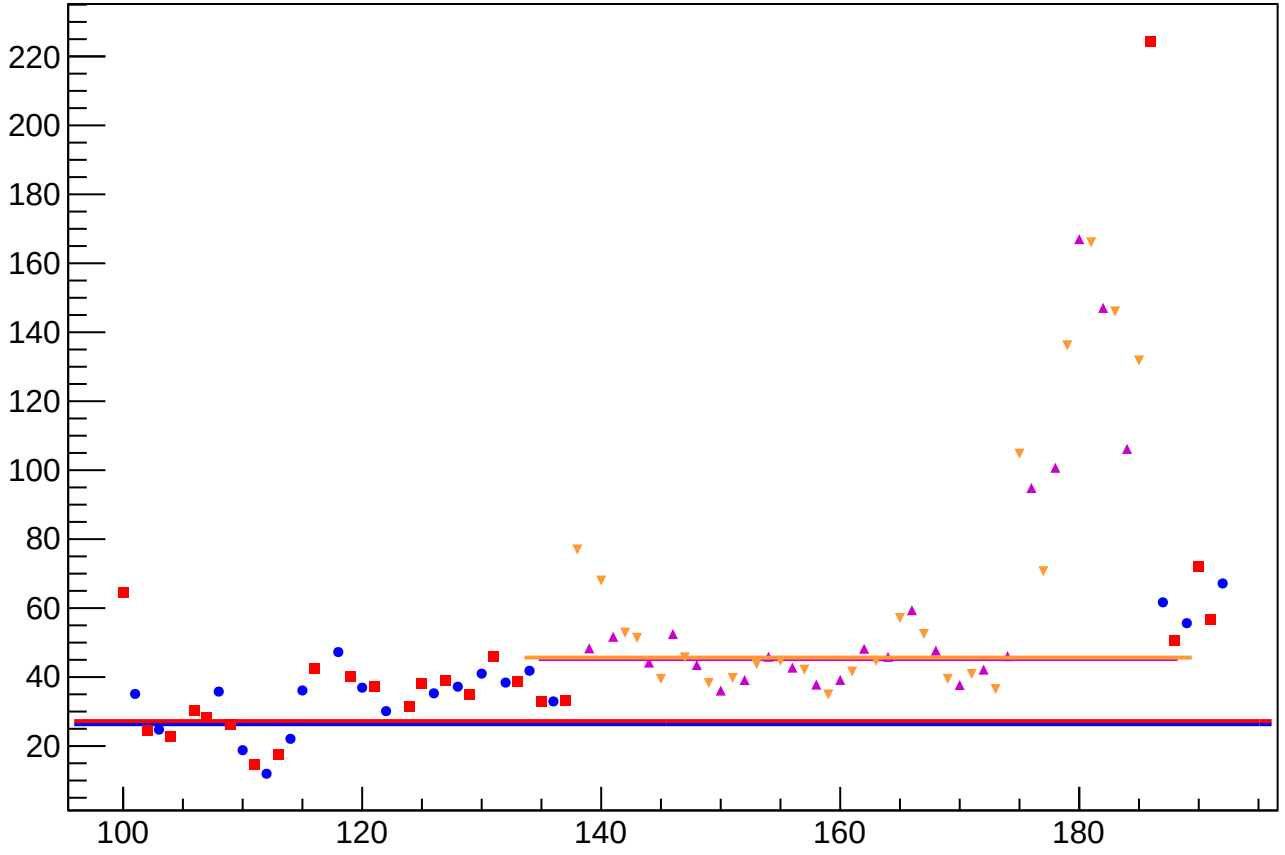
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.008+/-0.008 χ^2/NDF: 41.6/43

All: 0.001+/-0.005 χ^2/NDF: 82.9/89

- sign -0.006+/-0.008 χ^2/NDF: 39.5/45

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.333+/-0.007 χ^2/NDF: 3450156.7/18

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

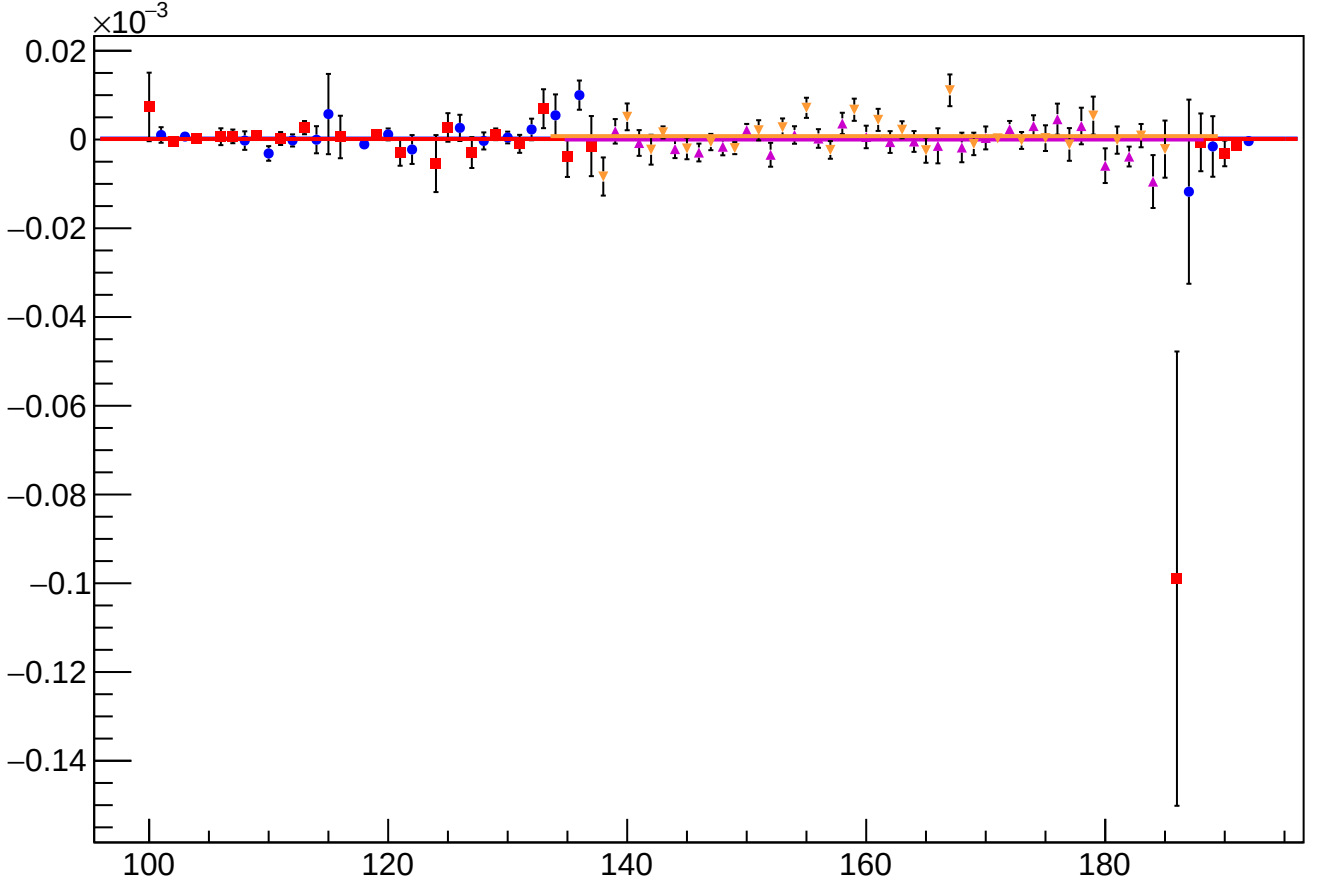
Right Out: 27.234+/-0.007 χ^2/NDF: 3043990.5/22

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 34.961+/-0.005 χ^2/NDF: 10713909.5/43

All: 35.033+/-0.004 χ^2/NDF: 19541346.4/89

- sign 35.106+/-0.005 χ^2/NDF: 8827069.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

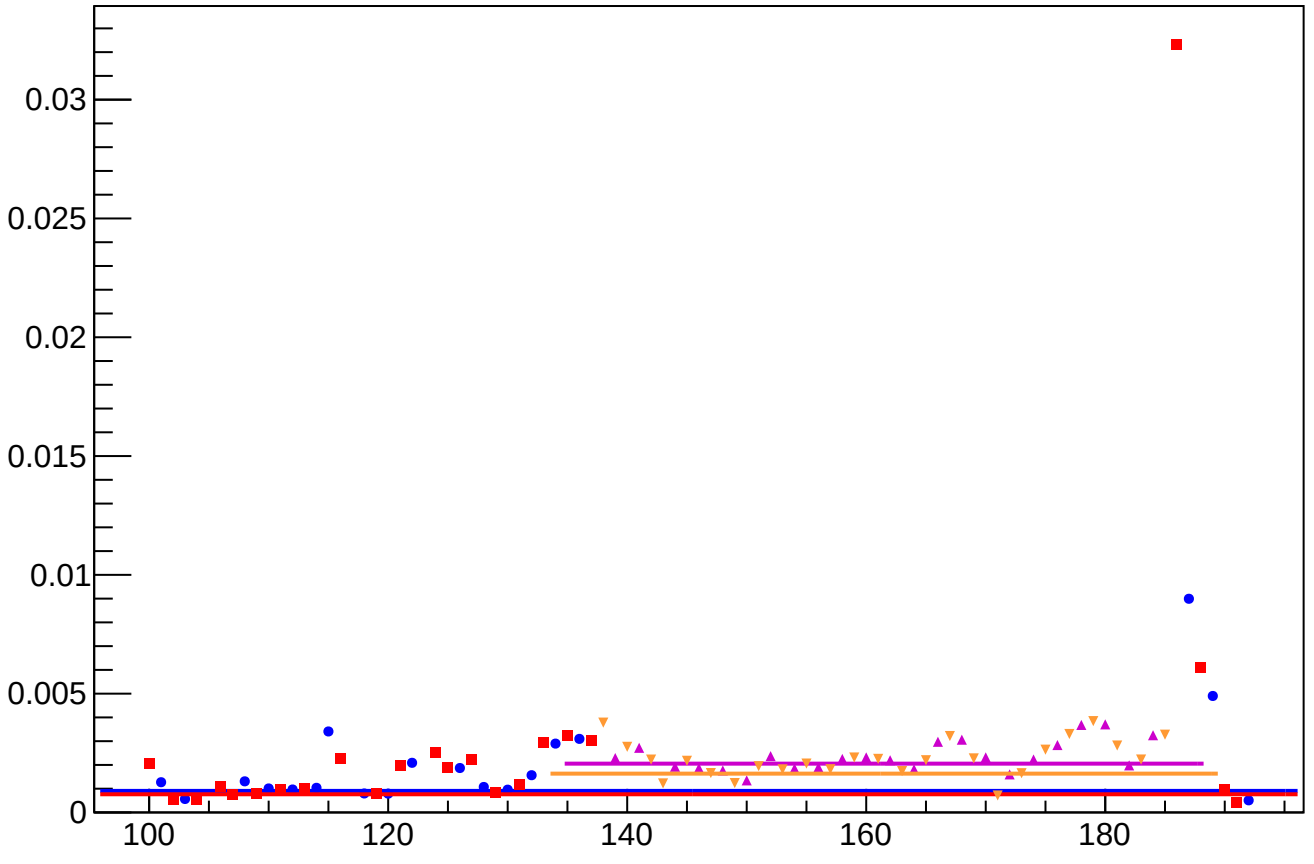
Right Out: 0.000+/-0.000 χ^2/NDF: 22.0/22

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.2/43

All: 0.000+/-0.000 χ^2/NDF: 114.6/89

- sign 0.000+/-0.000 χ^2/NDF: 46.5/45



Right In: 0.001+/-0.000 χ^2/NDF: 3937745.5/18

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

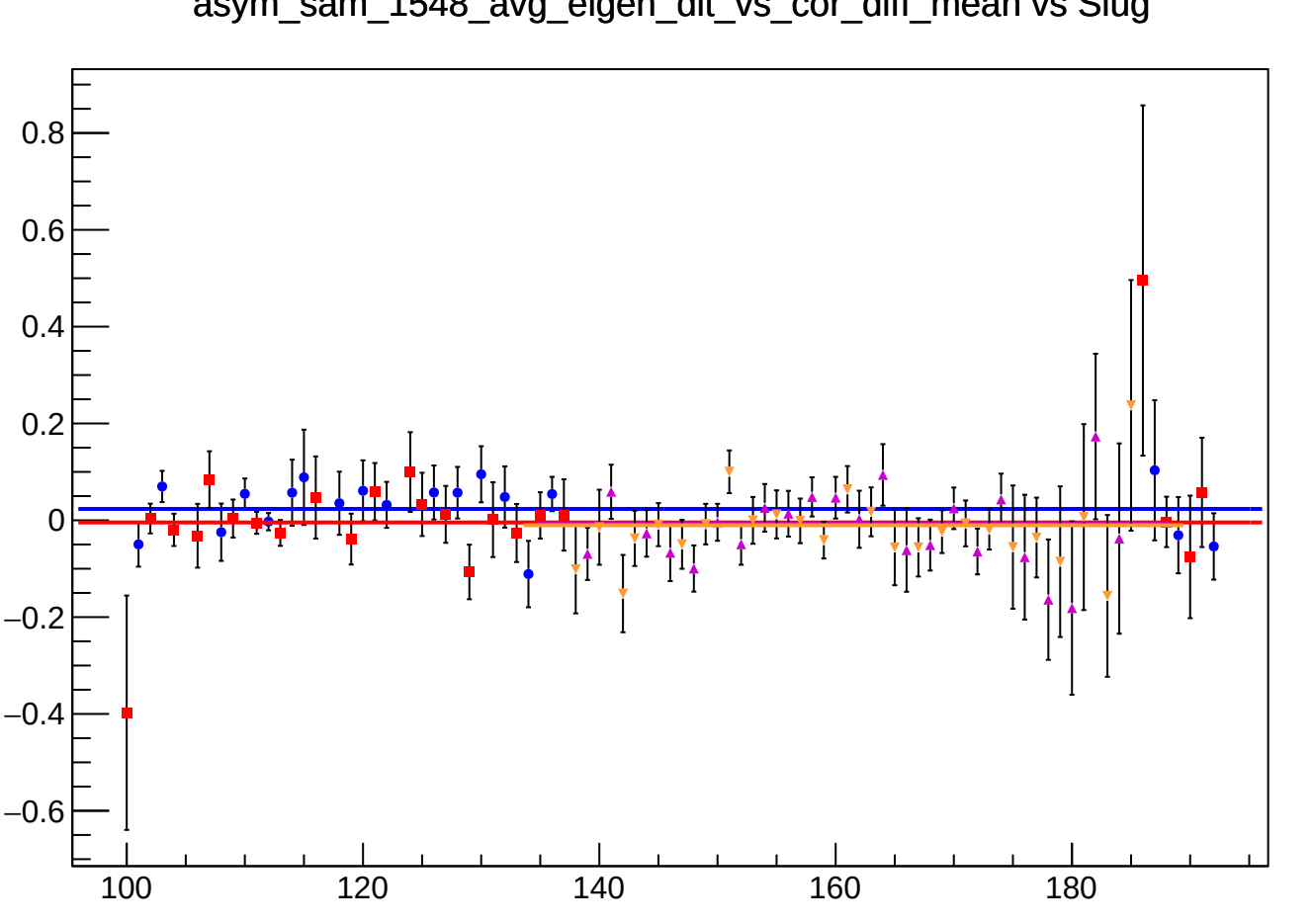
Right Out: 0.001+/-0.000 χ^2/NDF: 5808638.9/22

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 13833538.2/43

All: 0.001+/-0.000 χ^2/NDF: 31467055.5/89

- sign 0.001+/-0.000 χ^2/NDF: 17458569.8/45



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/18

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

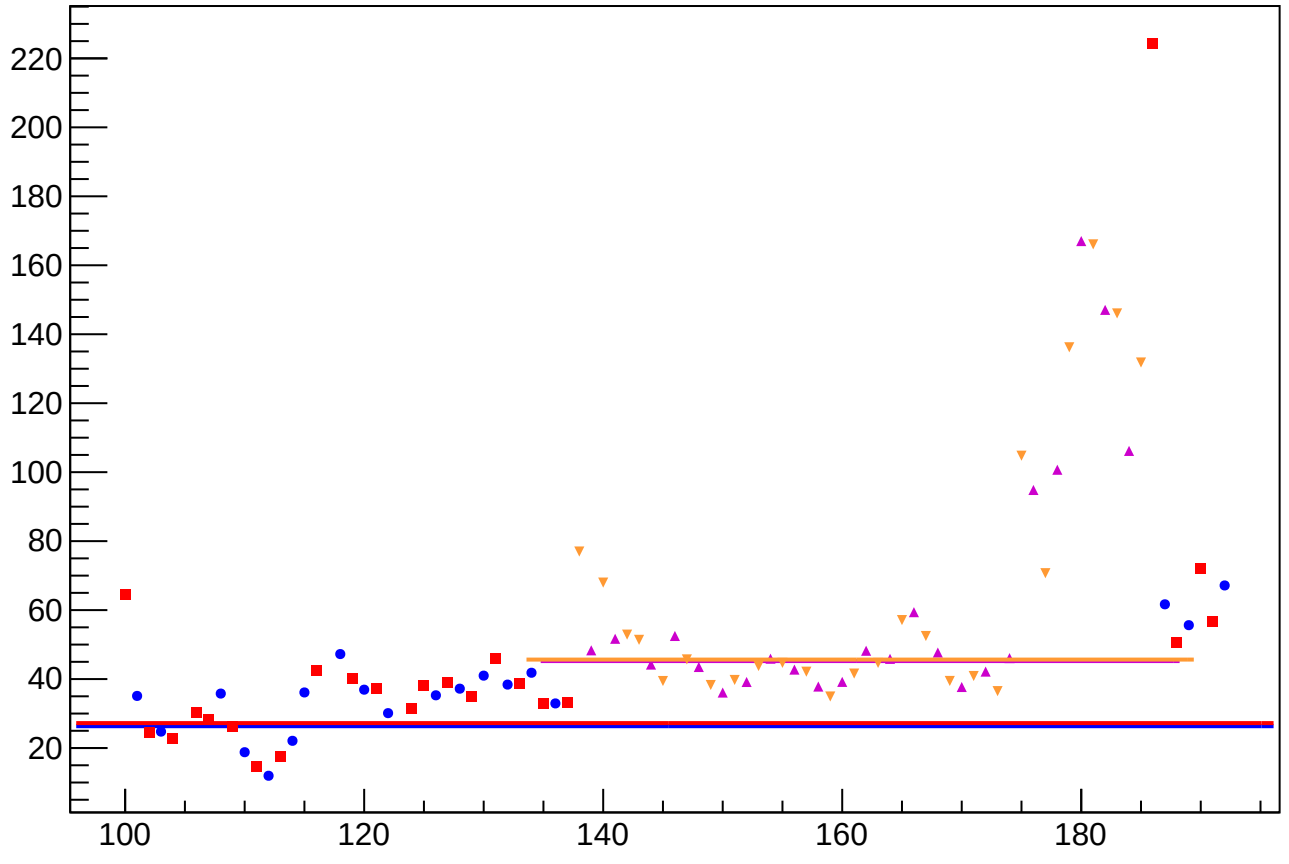
Right Out: -0.005+/-0.010 χ^2/NDF: 16.1/22

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.008+/-0.008 χ^2/NDF: 41.6/43

All: 0.001+/-0.005 χ^2/NDF: 82.9/89

- sign -0.006+/-0.008 χ^2/NDF: 39.5/45



Right In: 26.332+/-0.007 χ^2/NDF: 3450351.5/18

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

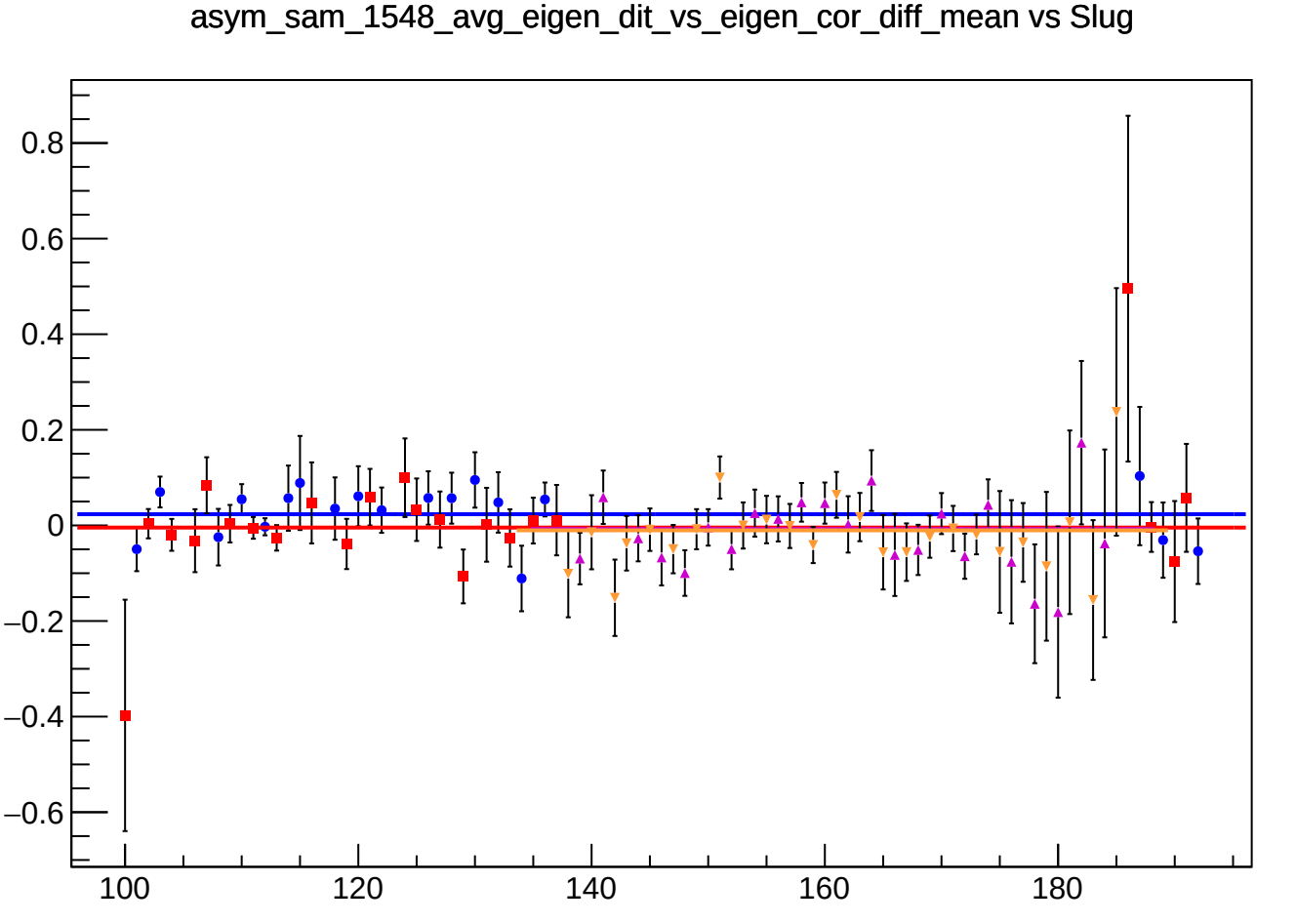
Right Out: 27.233+/-0.007 χ^2/NDF: 3044156.7/22

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.961+/-0.005 χ^2/NDF: 10714369.7/43

All: 35.033+/-0.004 χ^2/NDF: 19542150.7/89

- sign 35.106+/-0.005 χ^2/NDF: 8827412.3/45



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/18

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

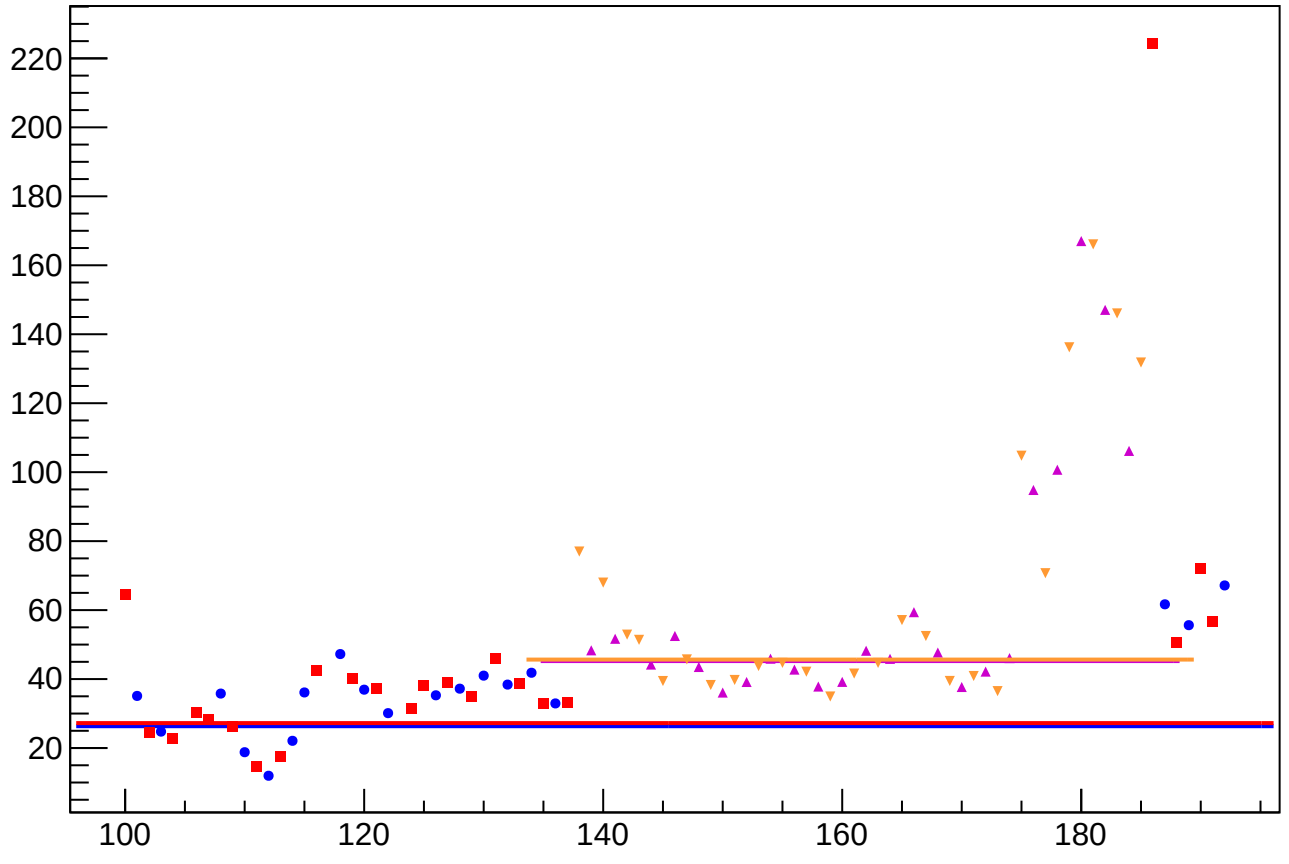
Right Out: -0.005+/-0.010 χ^2/NDF: 16.1/22

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.008+/-0.008 χ^2/NDF: 41.6/43

All: 0.001+/-0.005 χ^2/NDF: 82.9/89

- sign -0.006+/-0.008 χ^2/NDF: 39.5/45



Right In: 26.332+/-0.007 χ^2/NDF: 3450351.5/18

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

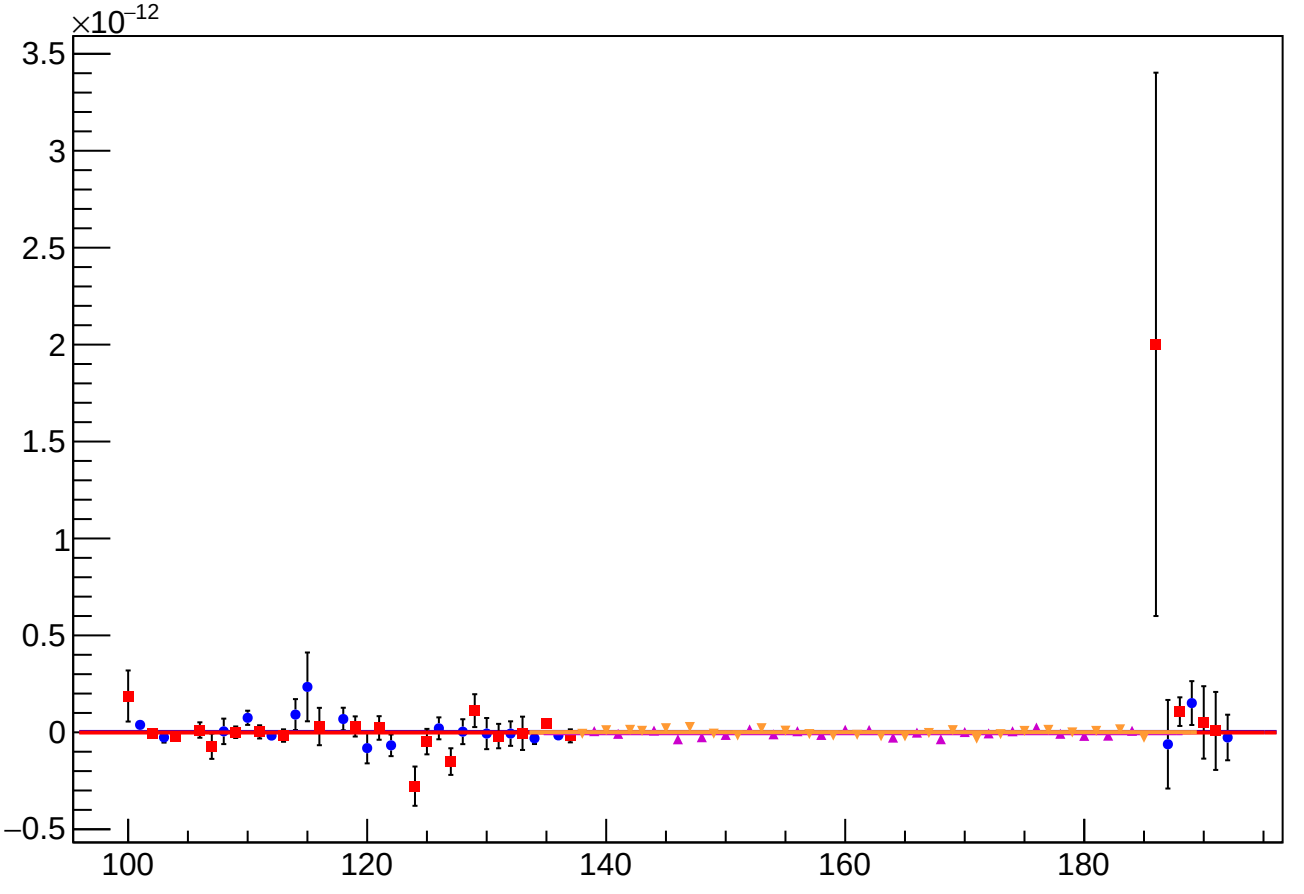
Right Out: 27.233+/-0.007 χ^2/NDF: 3044156.7/22

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.961+/-0.005 χ^2/NDF: 10714369.7/43

All: 35.033+/-0.004 χ^2/NDF: 19542150.7/89

- sign 35.106+/-0.005 χ^2/NDF: 8827412.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

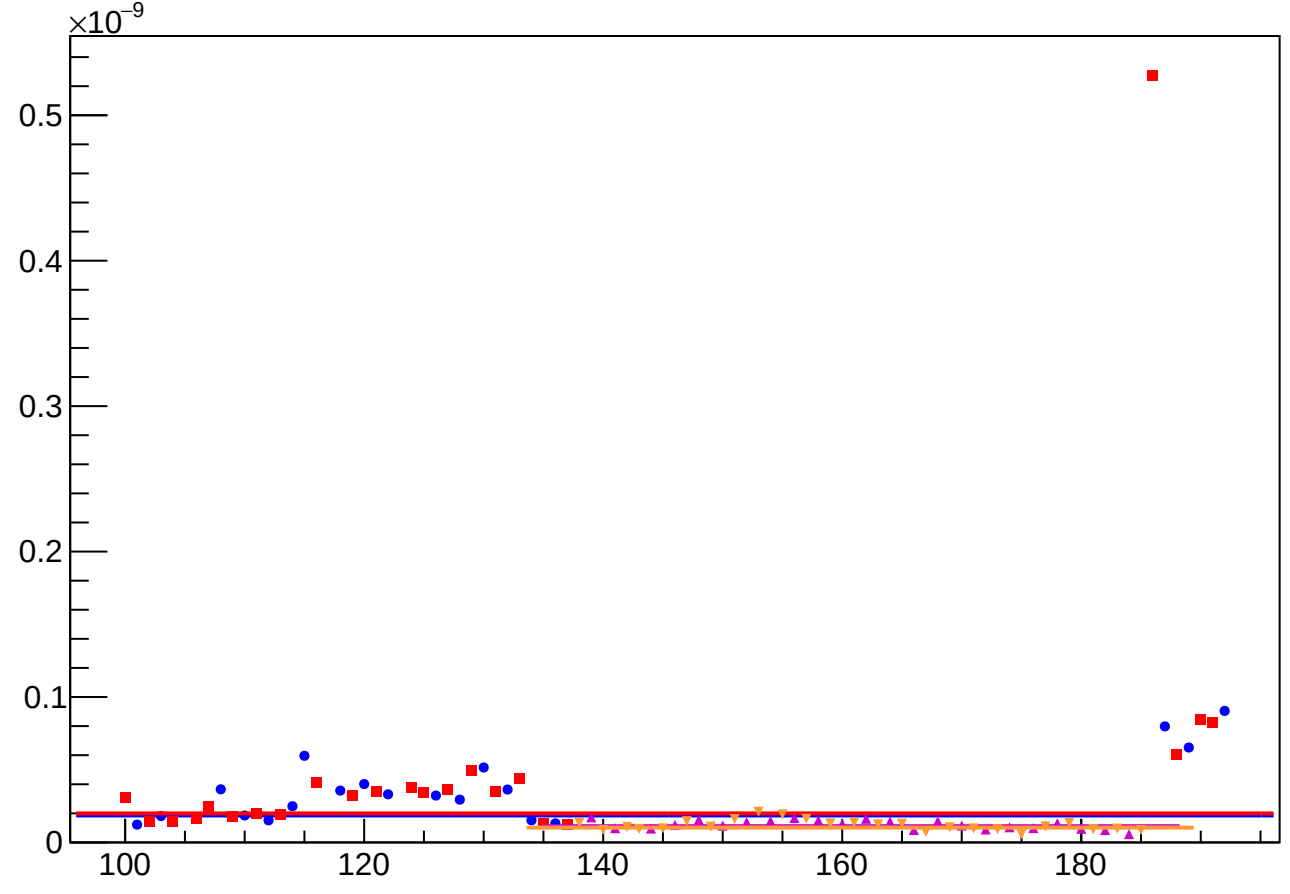
Right Out: -0.000+/-0.000 χ^2/NDF: 27.8/22

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.0/43

All: -0.000+/-0.000 χ^2/NDF: 99.3/89

- sign -0.000+/-0.000 χ^2/NDF: 51.6/45



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

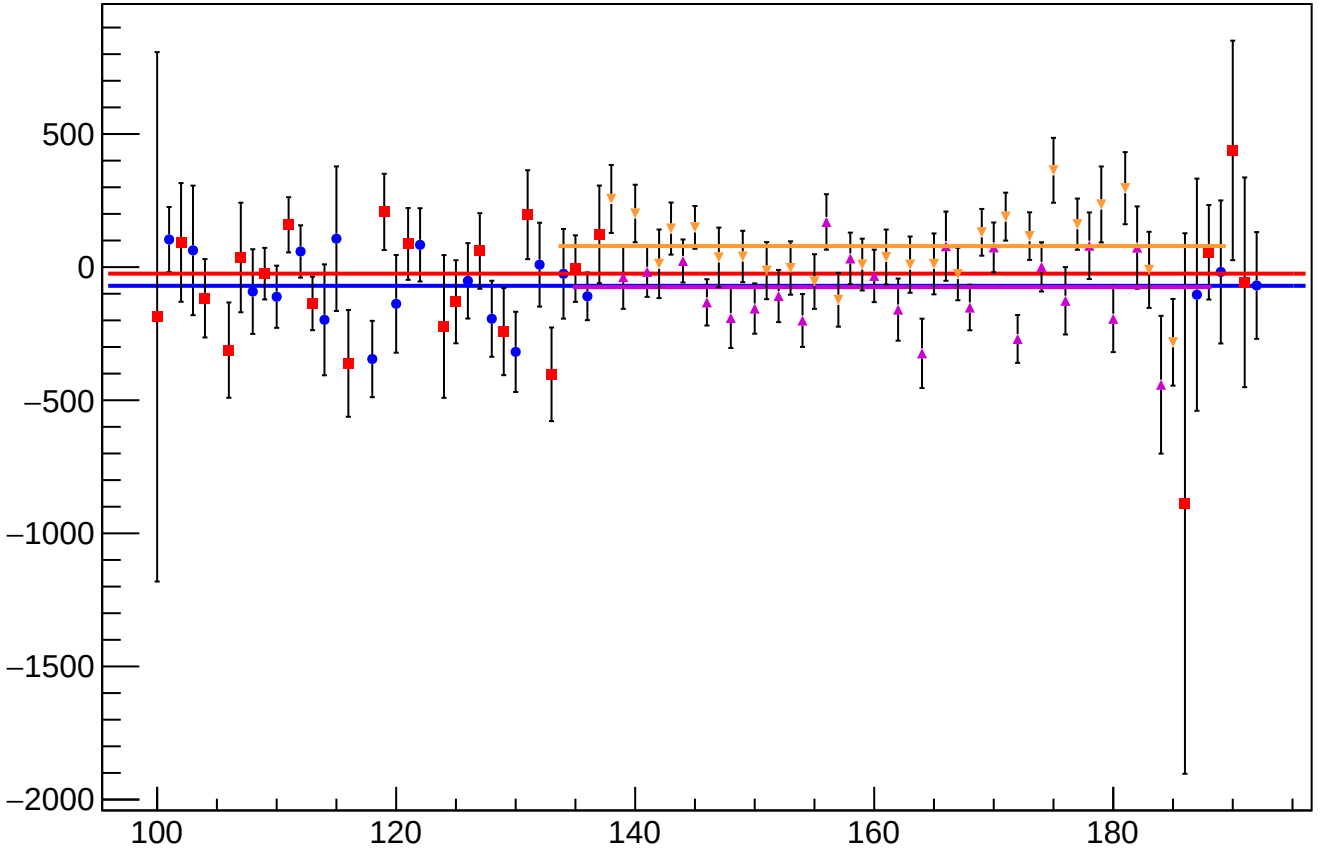
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7065346.3/43

All: 0.000+/-0.000 χ^2/NDF: 13366940.9/89

- sign 0.000+/-0.000 χ^2/NDF: 6163744.9/45

reg_asym_sam_3748_avg_mean vs Slug



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

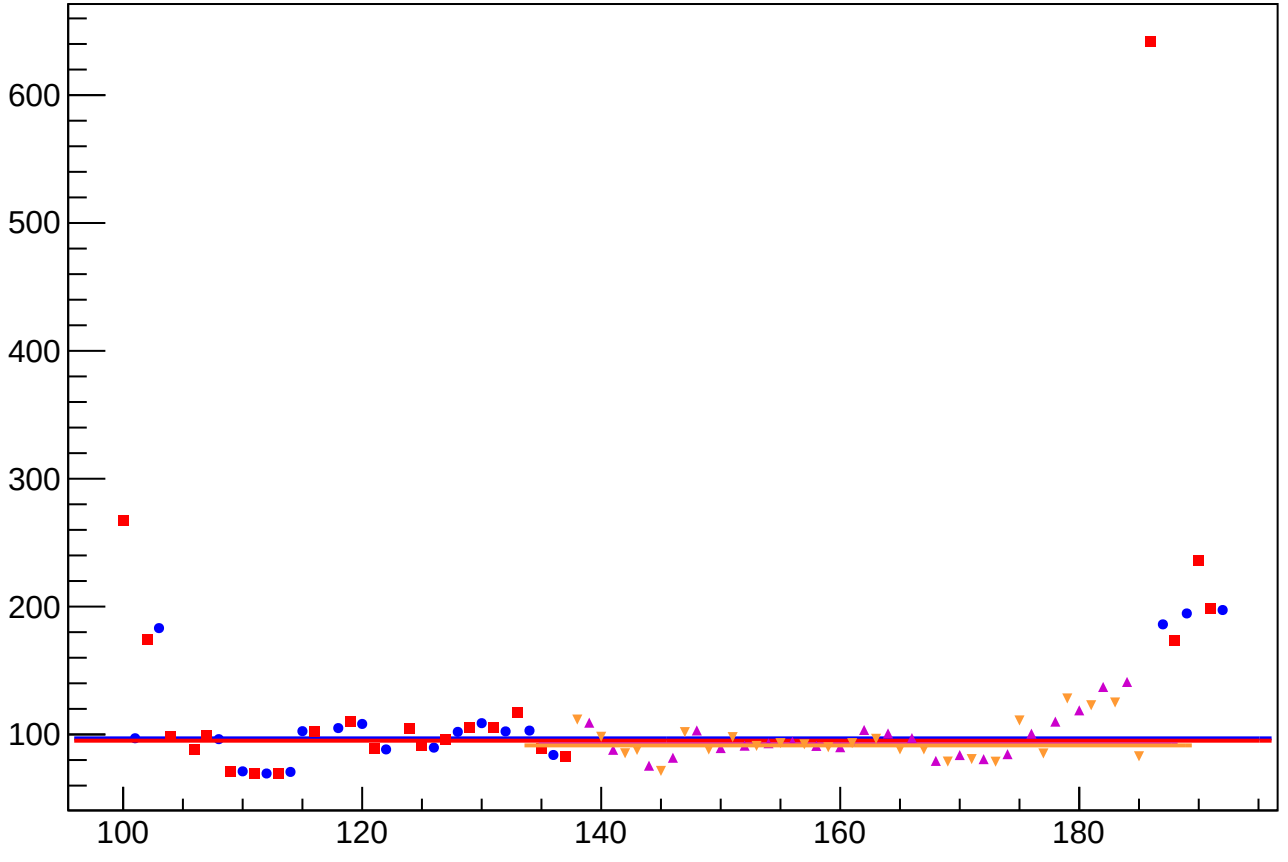
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 37.947+/-17.960 χ^2/NDF: 59.9/43

All: -10.122+/-12.809 χ^2/NDF: 134.9/89

- sign -59.883+/-18.273 χ^2/NDF: 60.5/45

reg_asym_sam_3748_avg_rms vs Slug



Right In: 96.934+/-0.024 χ^2/NDF: 1475740.8/18

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

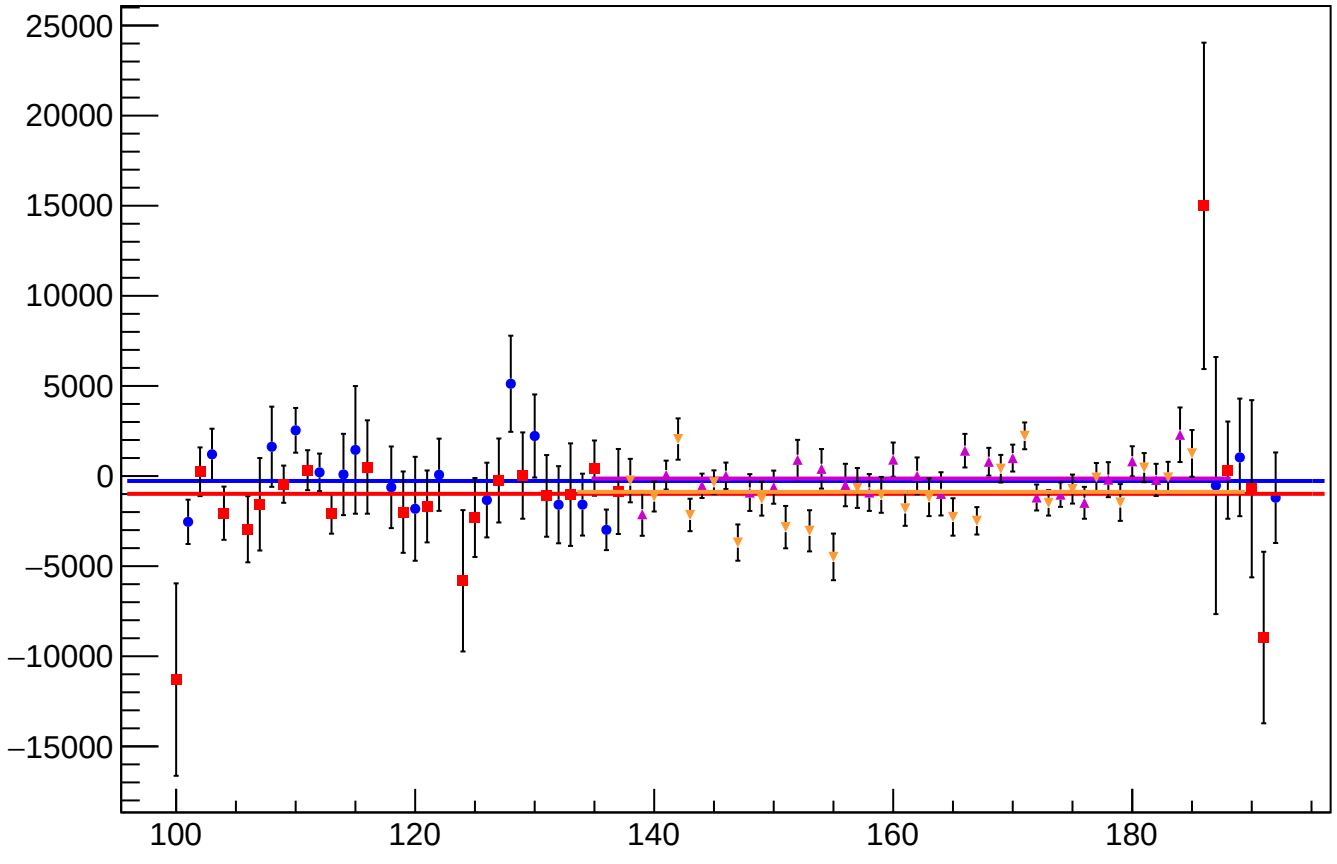
Right Out: 95.137+/-0.024 χ^2/NDF: 2132705.0/22

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 92.970+/-0.013 χ^2/NDF: 2264030.7/43

All: 92.990+/-0.009 χ^2/NDF: 5107925.0/89

- sign 93.011+/-0.013 χ^2/NDF: 2843889.3/45



Right In: -273.616+/-409.879 χ^2/NDF: 23.7/18

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -987.017+/-393.460 χ^2/NDF: 18.8/22

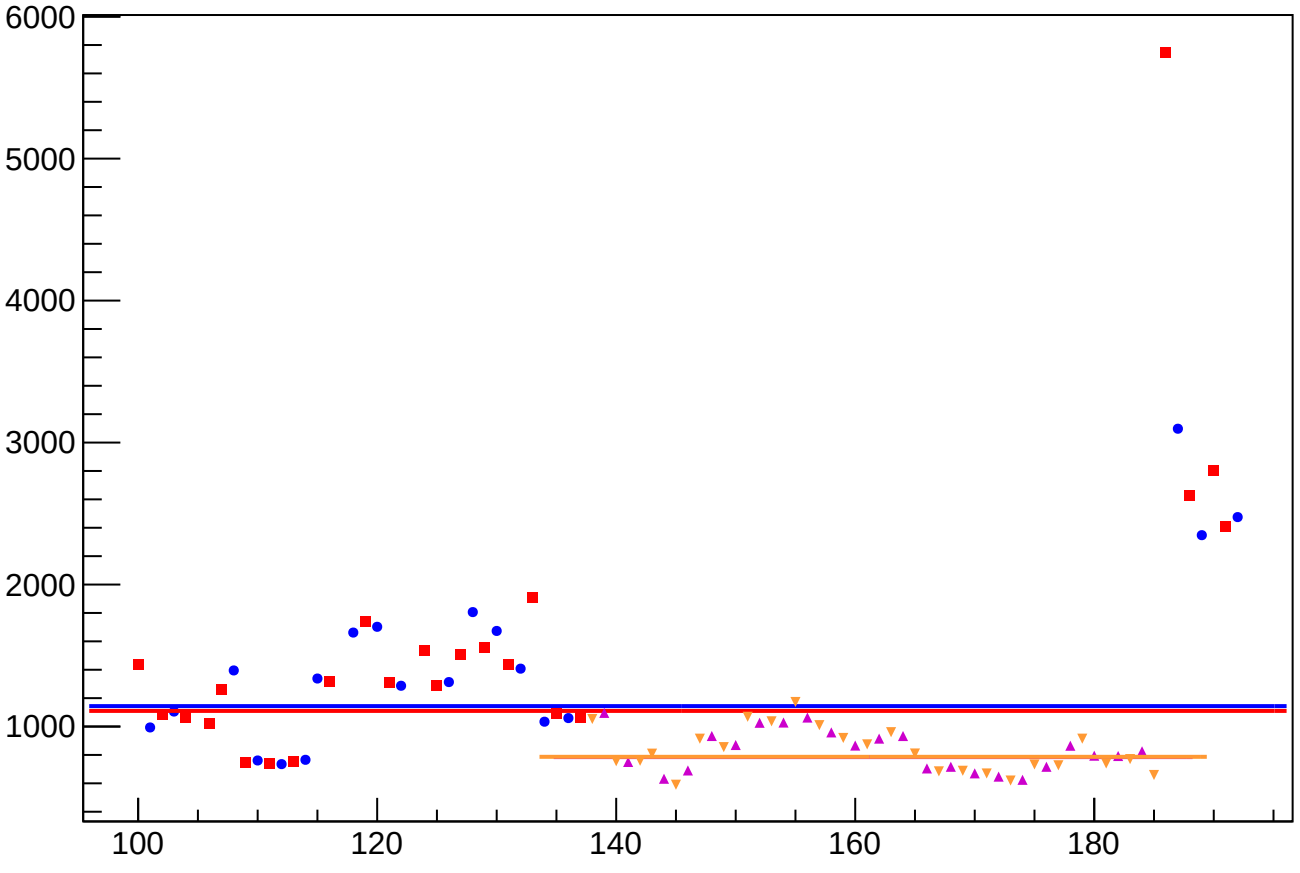
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -778.677+/-166.482 χ^2/NDF: 93.3/43

All: -539.597+/-118.456 χ^2/NDF: 144.3/89

- sign -294.452+/-168.581 χ^2/NDF: 46.8/45

asym_sam_3748_avg_reg_correction_rms vs Slug



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

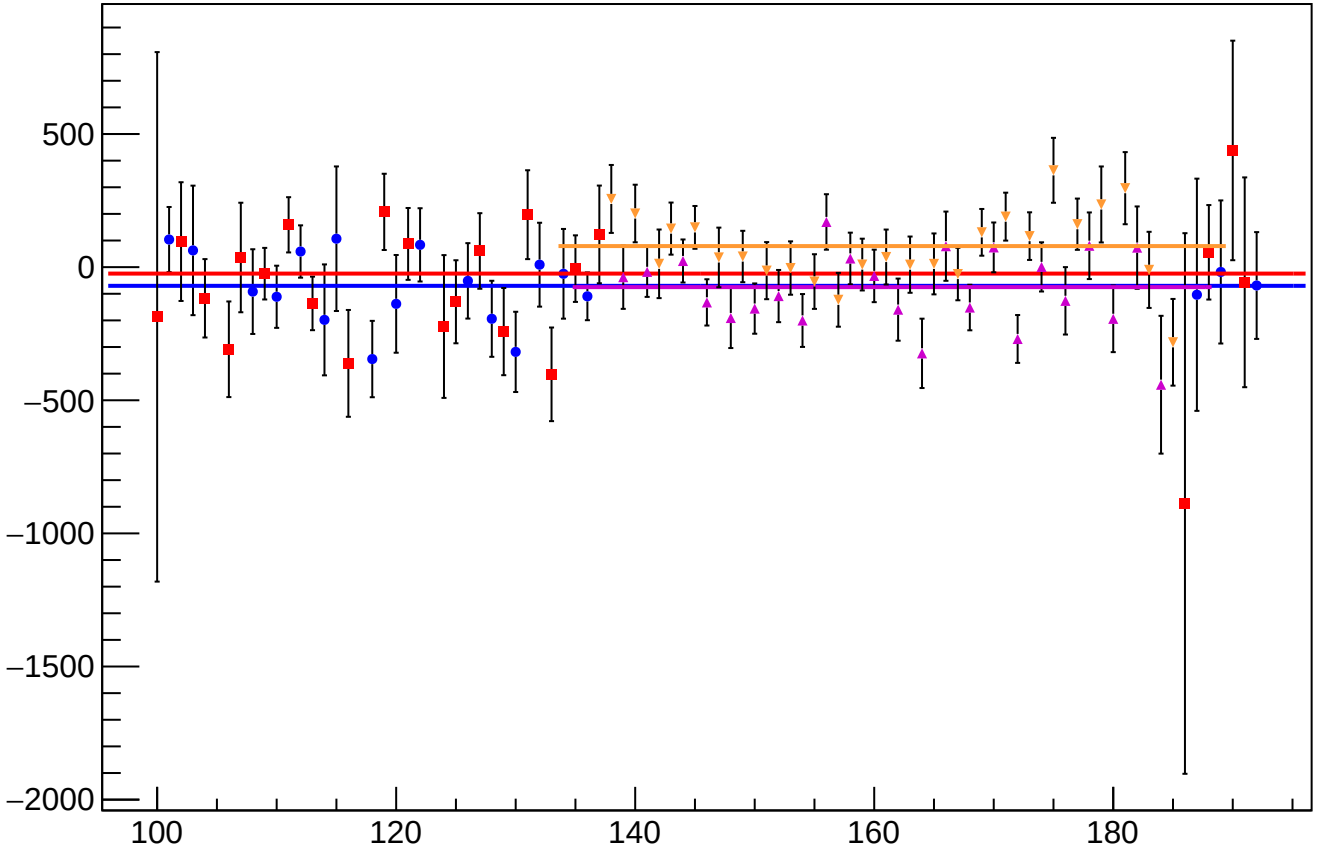
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 845.669+/-0.118 χ^2/NDF: 4561996.6/43

All: 845.111+/-0.084 χ^2/NDF: 9530786.2/89

- sign 844.538+/-0.119 χ^2/NDF: 4968744.1/45

cor_asym_sam_3748_avg_mean vs Slug



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

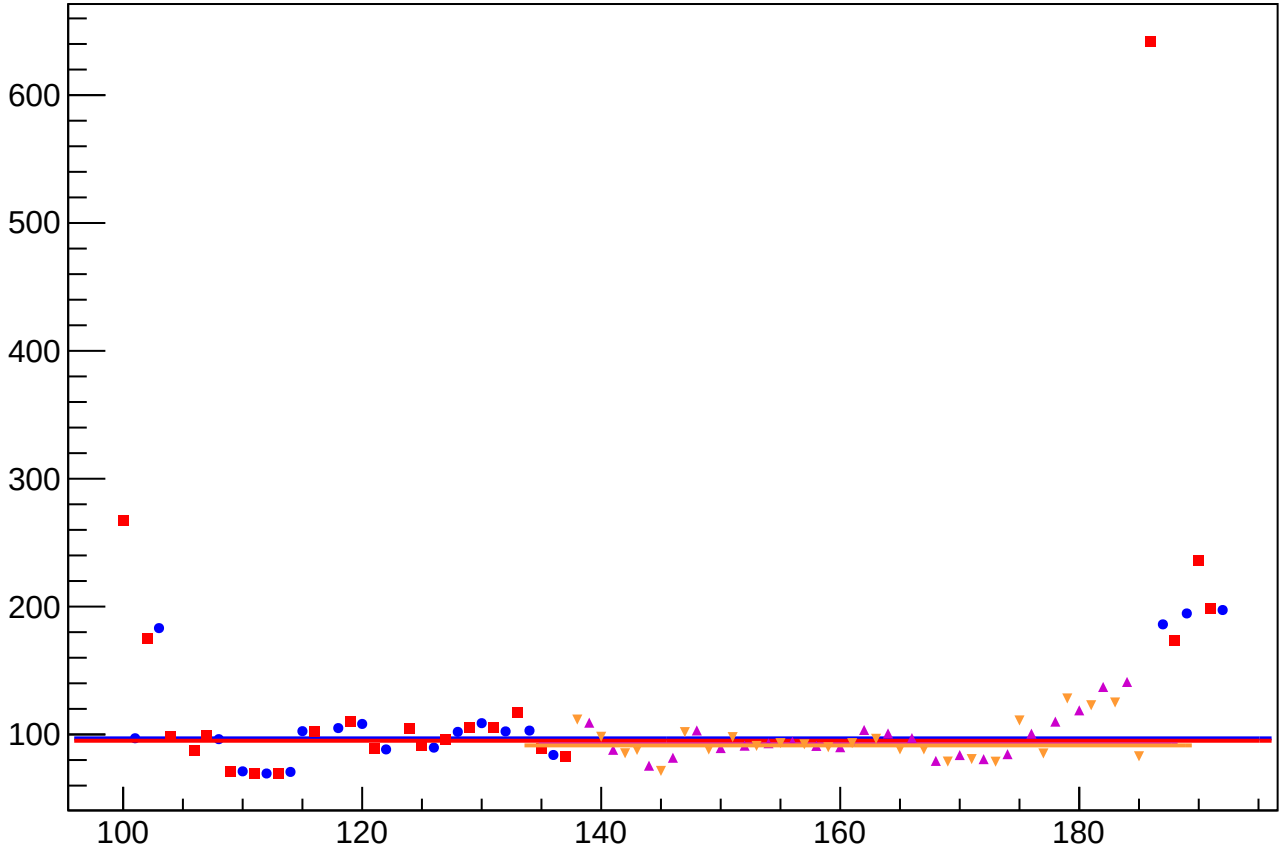
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 37.951+/-17.960 χ^2/NDF: 59.9/43

All: -10.085+/-12.809 χ^2/NDF: 134.9/89

- sign -59.813+/-18.273 χ^2/NDF: 60.4/45

cor_asym_sam_3748_avg_rms vs Slug



Right In: 96.934+/-0.024 χ^2/NDF: 1475743.9/18

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

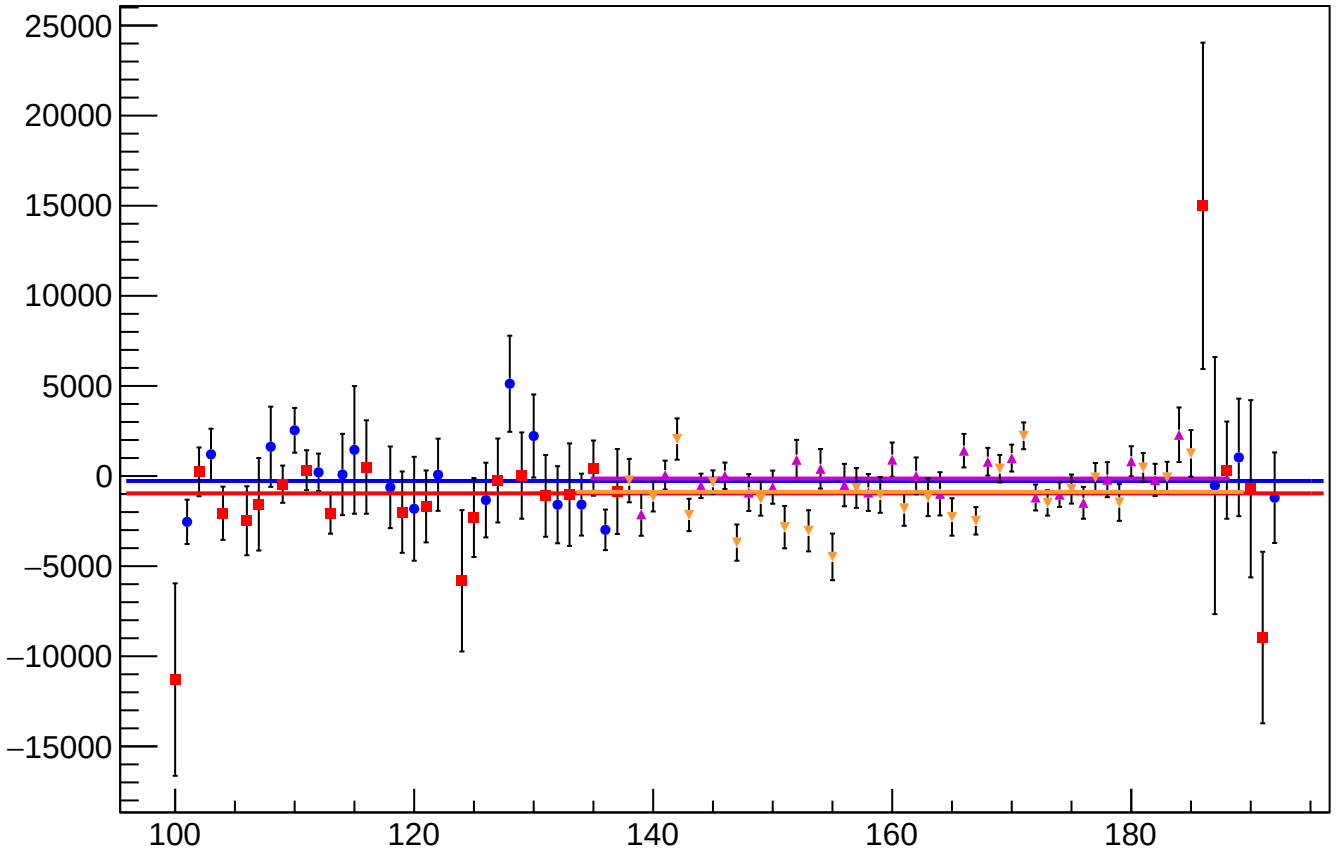
Right Out: 95.093+/-0.024 χ^2/NDF: 2134093.1/22

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 92.970+/-0.013 χ^2/NDF: 2264033.8/43

All: 92.984+/-0.009 χ^2/NDF: 5108979.3/89

- sign 92.998+/-0.013 χ^2/NDF: 2844943.2/45



Right In: -273.635+/-409.882 χ^2/NDF: 23.7/18

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -960.321+/-394.225 χ^2/NDF: 18.3/22

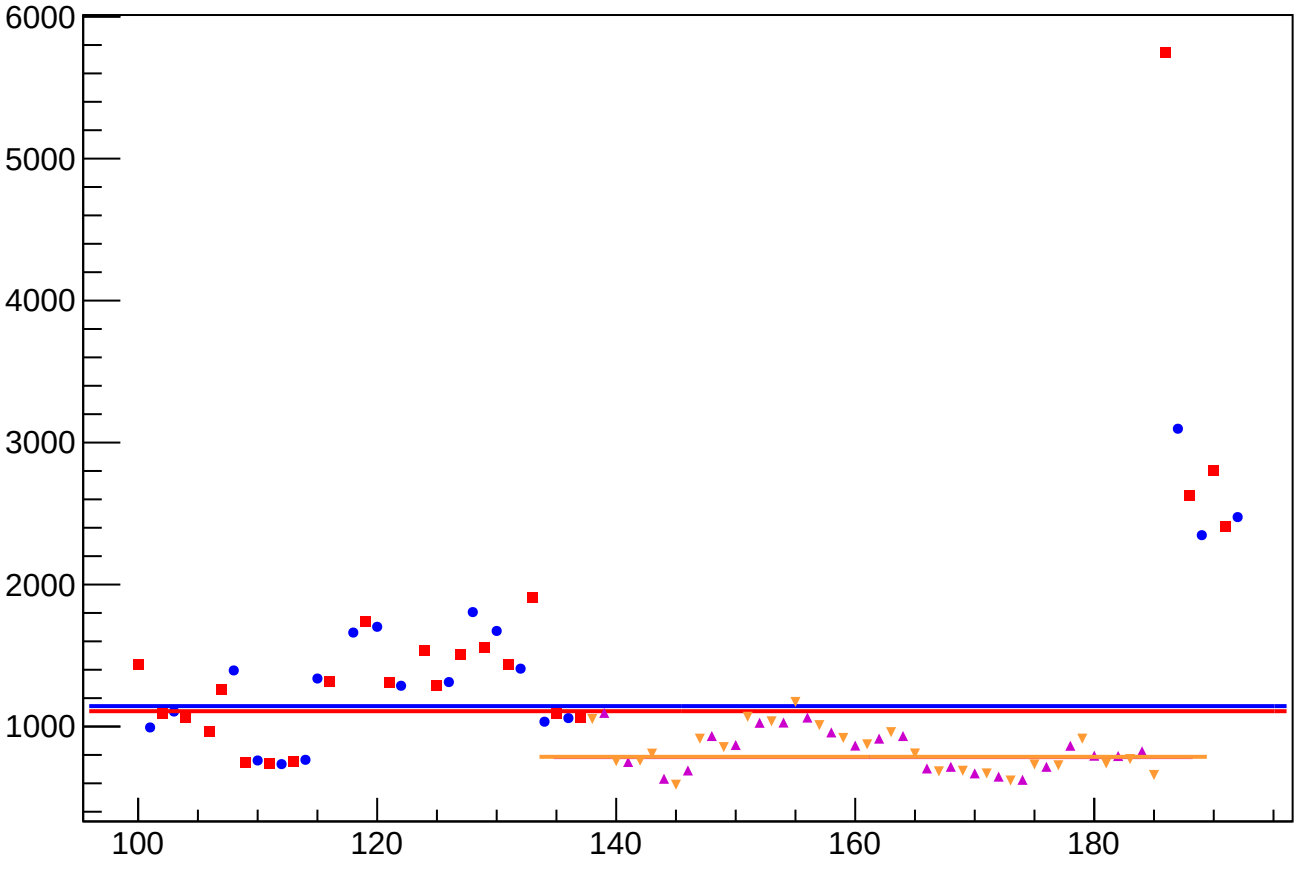
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -778.673+/-166.483 χ^2/NDF: 93.3/43

All: -537.027+/-118.477 χ^2/NDF: 143.6/89

- sign -289.076+/-168.641 χ^2/NDF: 46.0/45

asym_sam_3748_avg_cor_correction_rms vs Slug



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

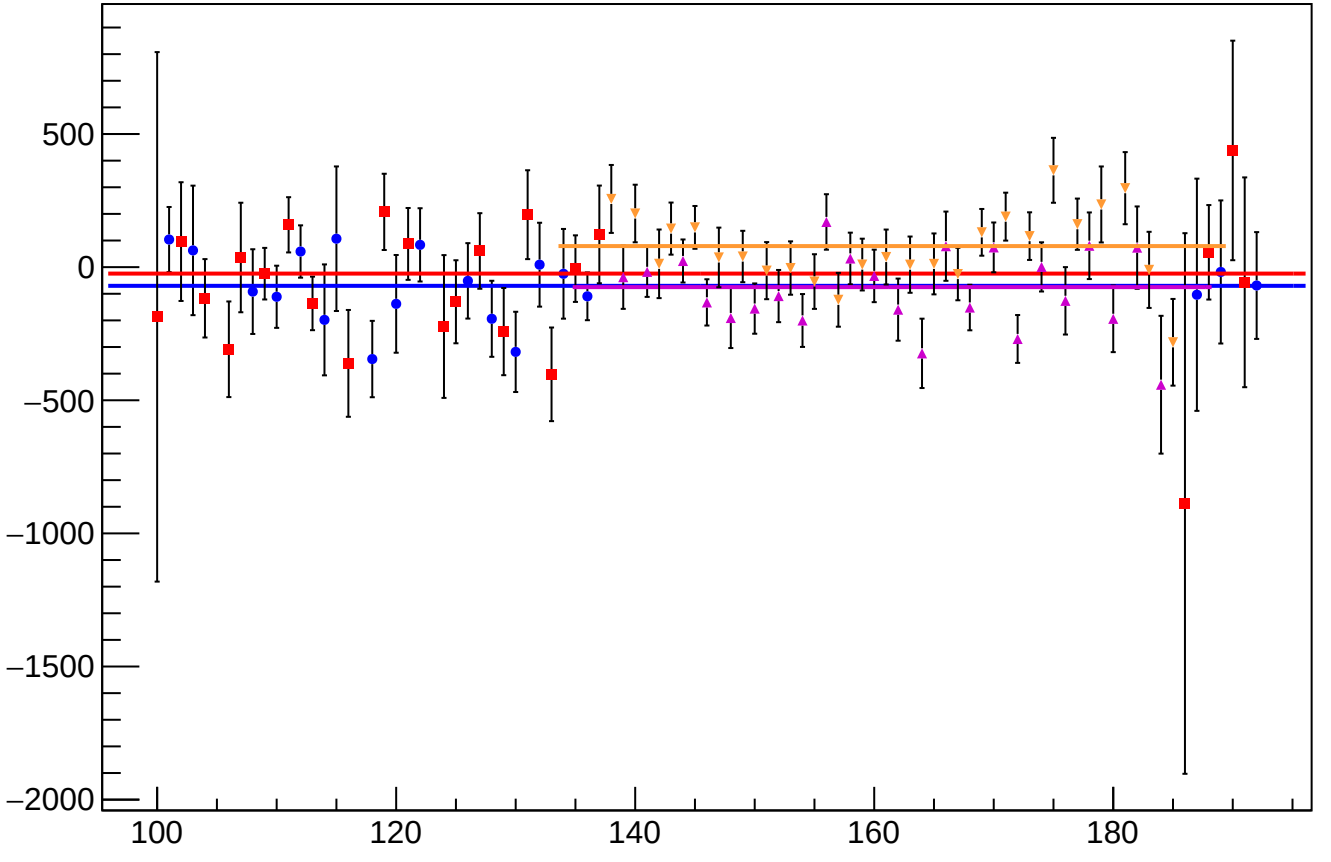
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 845.670+/-0.118 χ^2/NDF: 4562040.3/43

All: 844.836+/-0.084 χ^2/NDF: 9520249.8/89

- sign 843.980+/-0.119 χ^2/NDF: 4958107.8/45

eigen_cor_asym_sam_3748_avg_mean vs Slug



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

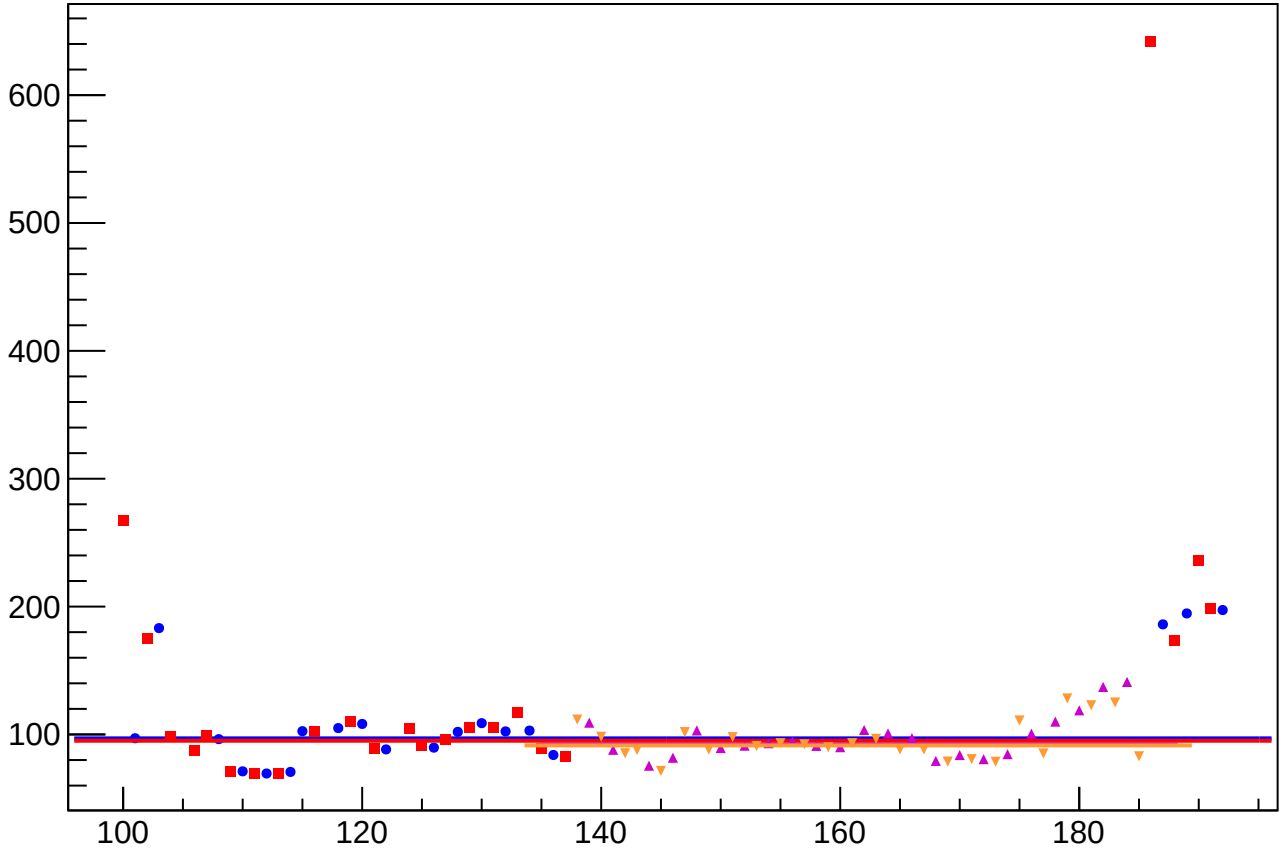
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 37.951+/-17.960 χ^2/NDF: 59.9/43

All: -10.085+/-12.809 χ^2/NDF: 134.9/89

- sign -59.813+/-18.273 χ^2/NDF: 60.4/45

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 96.934+/-0.024 χ^2/NDF: 1475743.9/18

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

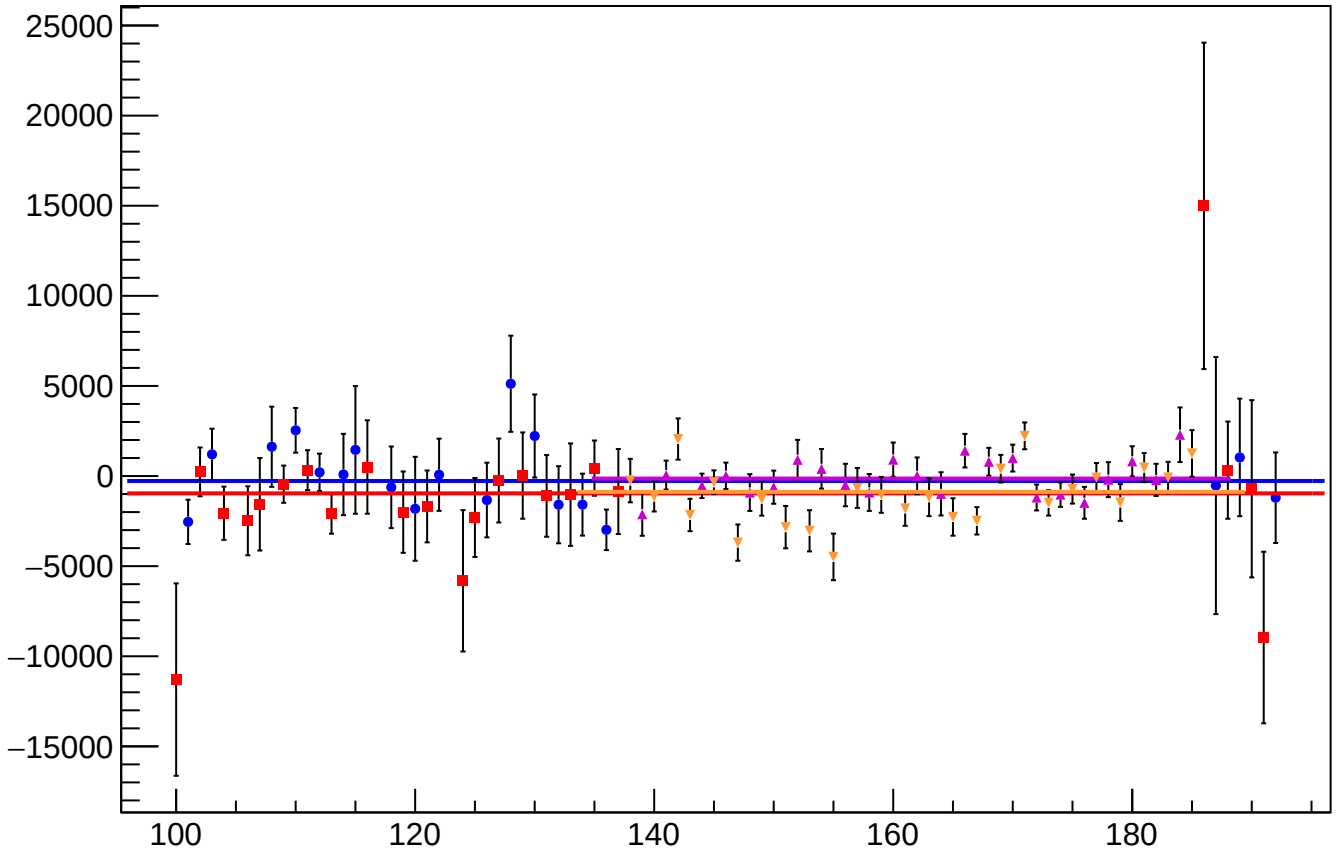
Right Out: 95.093+/-0.024 χ^2/NDF: 2134093.1/22

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 92.970+/-0.013 χ^2/NDF: 2264033.8/43

All: 92.984+/-0.009 χ^2/NDF: 5108979.3/89

- sign 92.998+/-0.013 χ^2/NDF: 2844943.2/45



Right In: -273.635+/-409.882 χ^2/NDF: 23.7/18

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -960.321+/-394.225 χ^2/NDF: 18.3/22

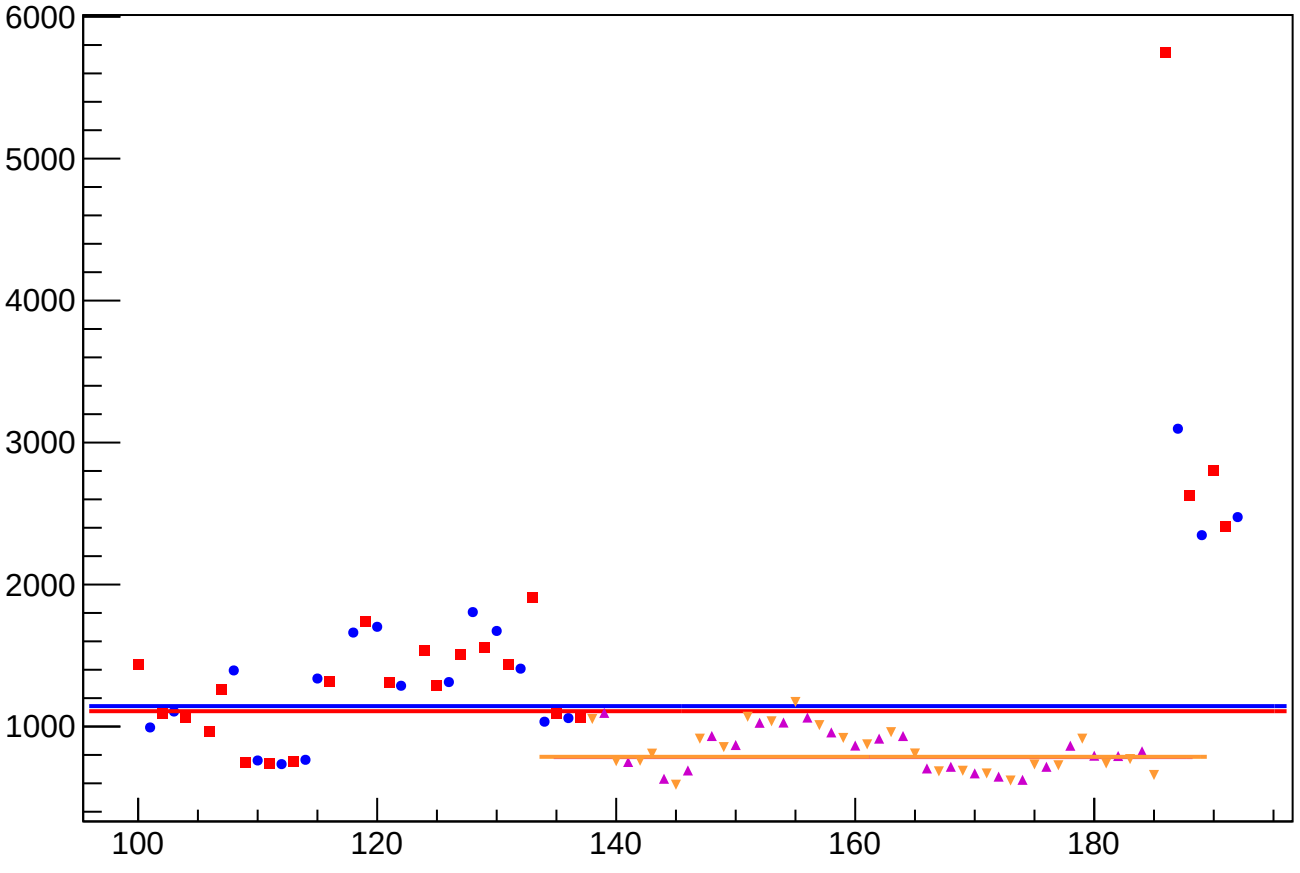
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -778.673+/-166.483 χ^2/NDF: 93.3/43

All: -537.027+/-118.477 χ^2/NDF: 143.6/89

- sign -289.076+/-168.641 χ^2/NDF: 46.0/45

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug



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

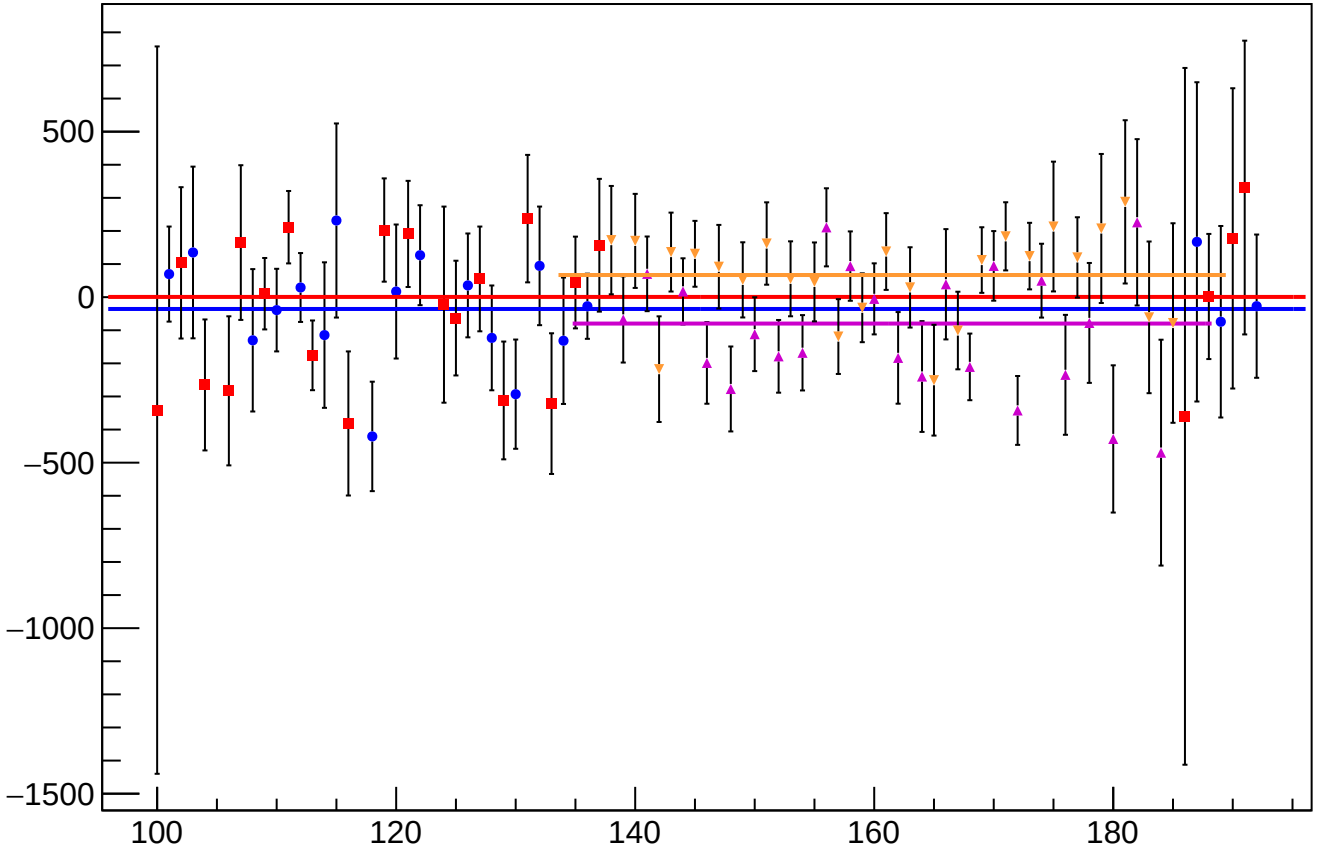
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

\+ sign 845.670+/-0.118 χ^2/NDF: 4562040.3/43

All: 844.836+/-0.084 χ^2/NDF: 9520249.8/89

\- sign 843.980+/-0.119 χ^2/NDF: 4958107.8/45

dit_asym_sam_3748_avg_mean vs Slug



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

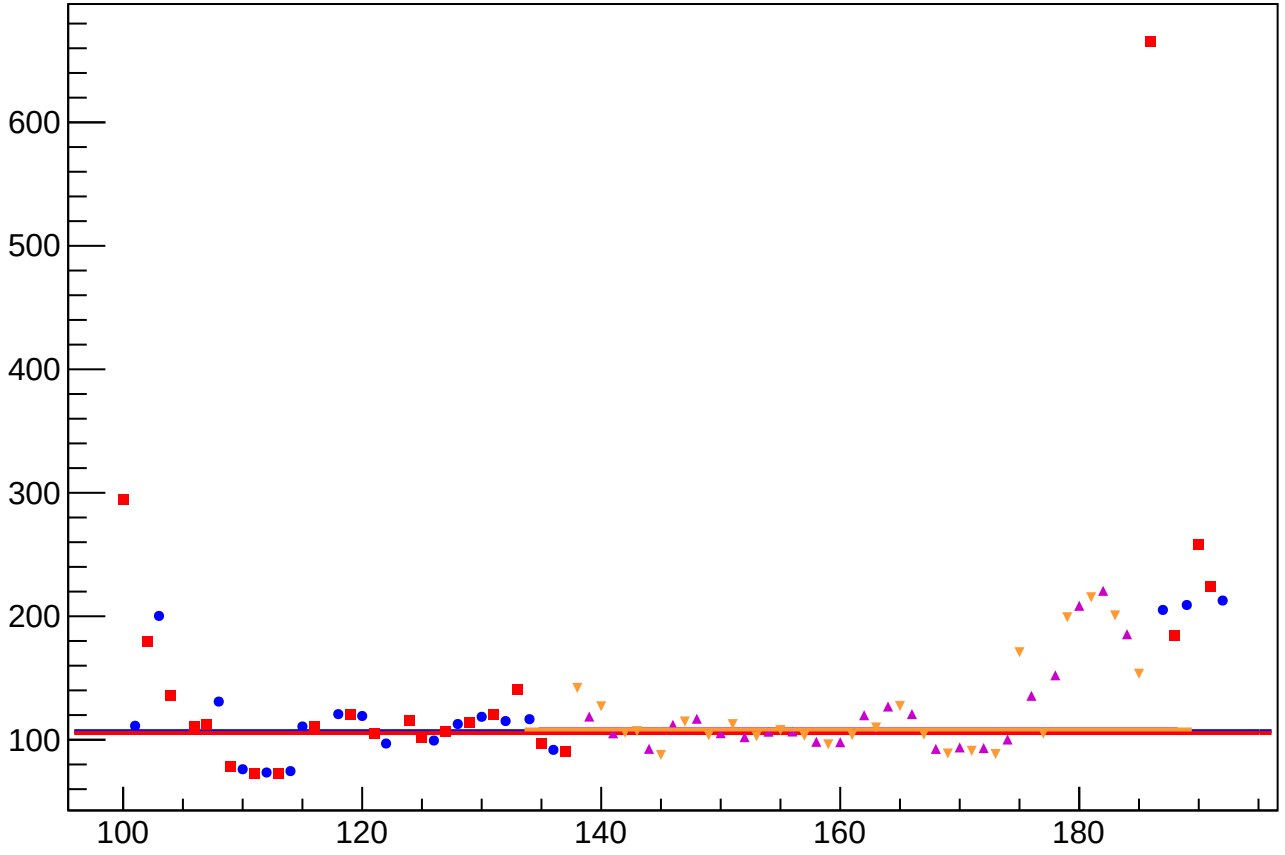
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 34.809+/-21.209 χ^2/NDF: 37.7/43

All: -8.518+/-15.085 χ^2/NDF: 111.8/89

- sign -52.881+/-21.461 χ^2/NDF: 65.6/45

dit_asym_sam_3748_avg_rms vs Slug



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

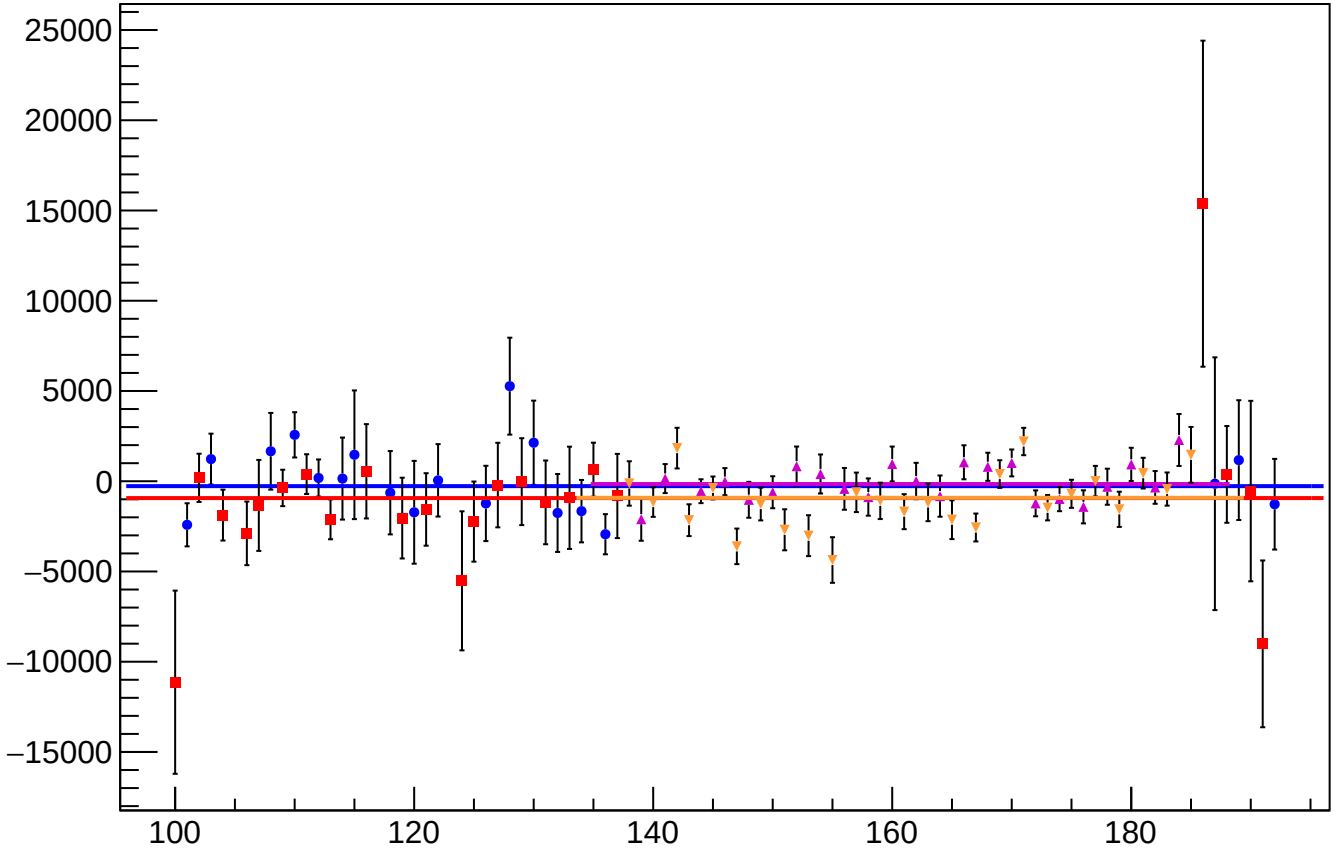
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 107.903+/-0.015 χ^2/NDF: 3349028.5/43

All: 107.693+/-0.011 χ^2/NDF: 6950728.1/89

- sign 107.479+/-0.015 χ^2/NDF: 3601304.8/45

asym_sam_3748_avg_dit_correction_mean vs Slug



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

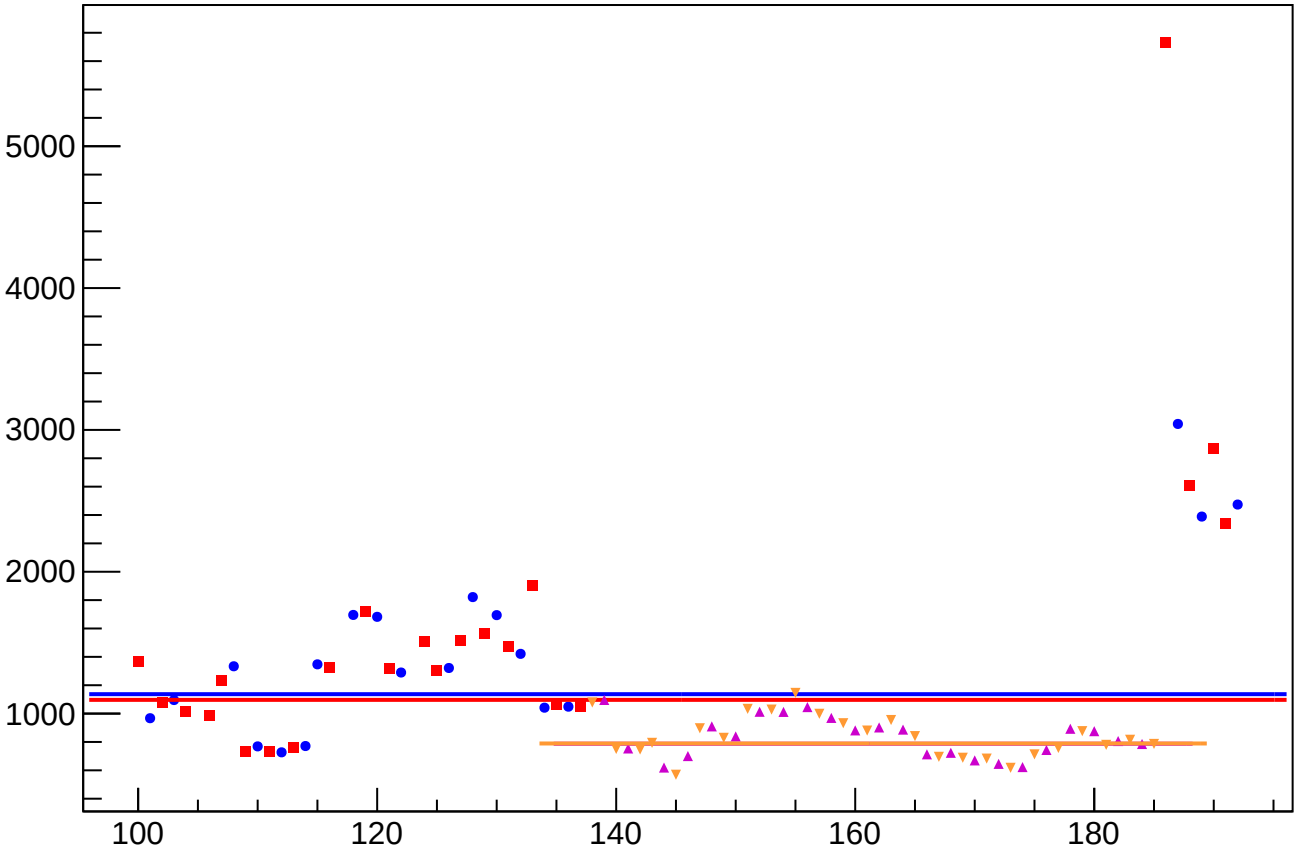
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -810.817+/-166.537 χ^2/NDF: 90.0/43

All: -559.577+/-118.491 χ^2/NDF: 140.6/89

- sign -302.002+/-168.624 χ^2/NDF: 46.0/45

asym_sam_3748_avg_dit_correction_rms vs Slug



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

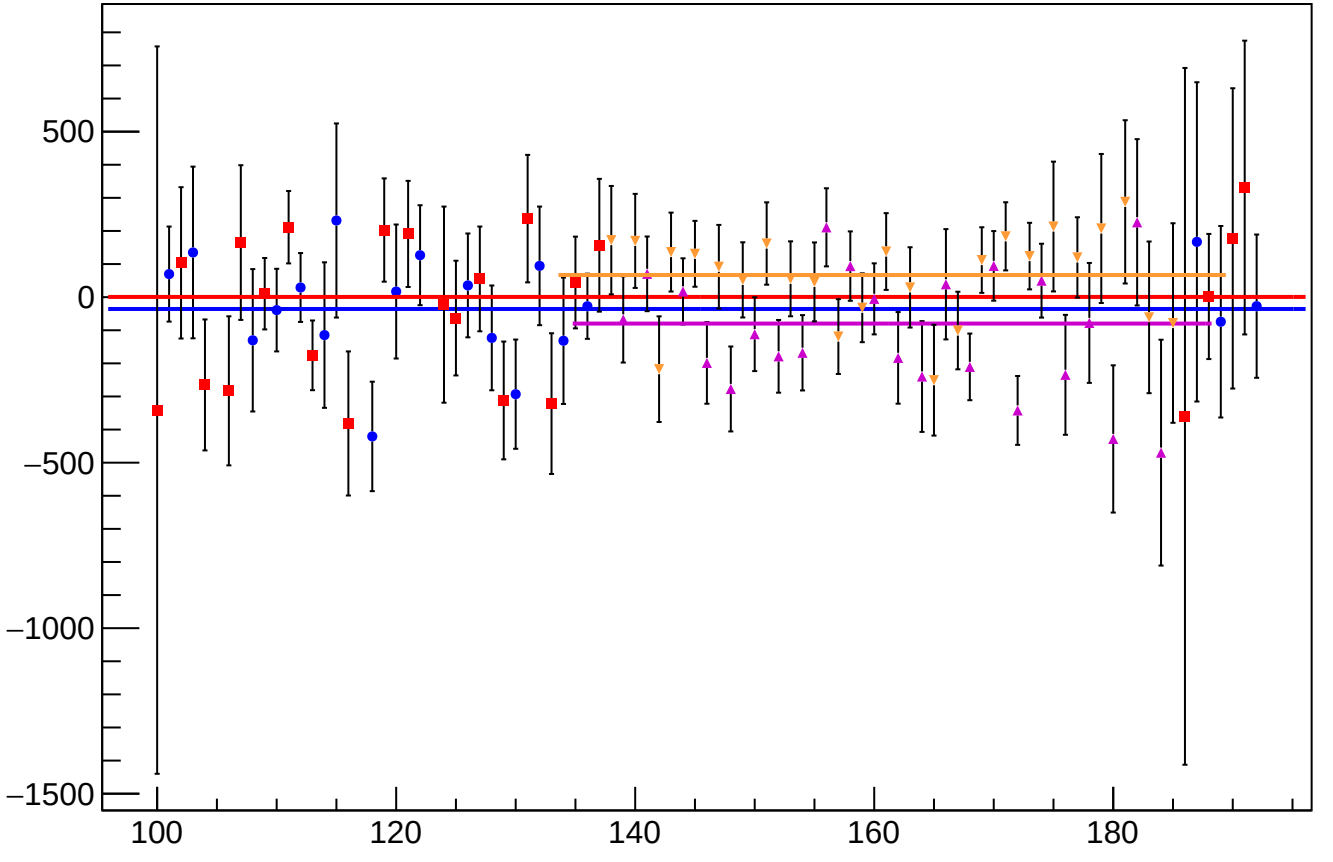
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 847.274+/-0.118 χ^2/NDF: 4511136.7/43

All: 846.408+/-0.084 χ^2/NDF: 9418892.3/89

- sign 845.520+/-0.119 χ^2/NDF: 4907646.1/45

eigen_dit_asym_sam_3748_avg_mean vs Slug



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

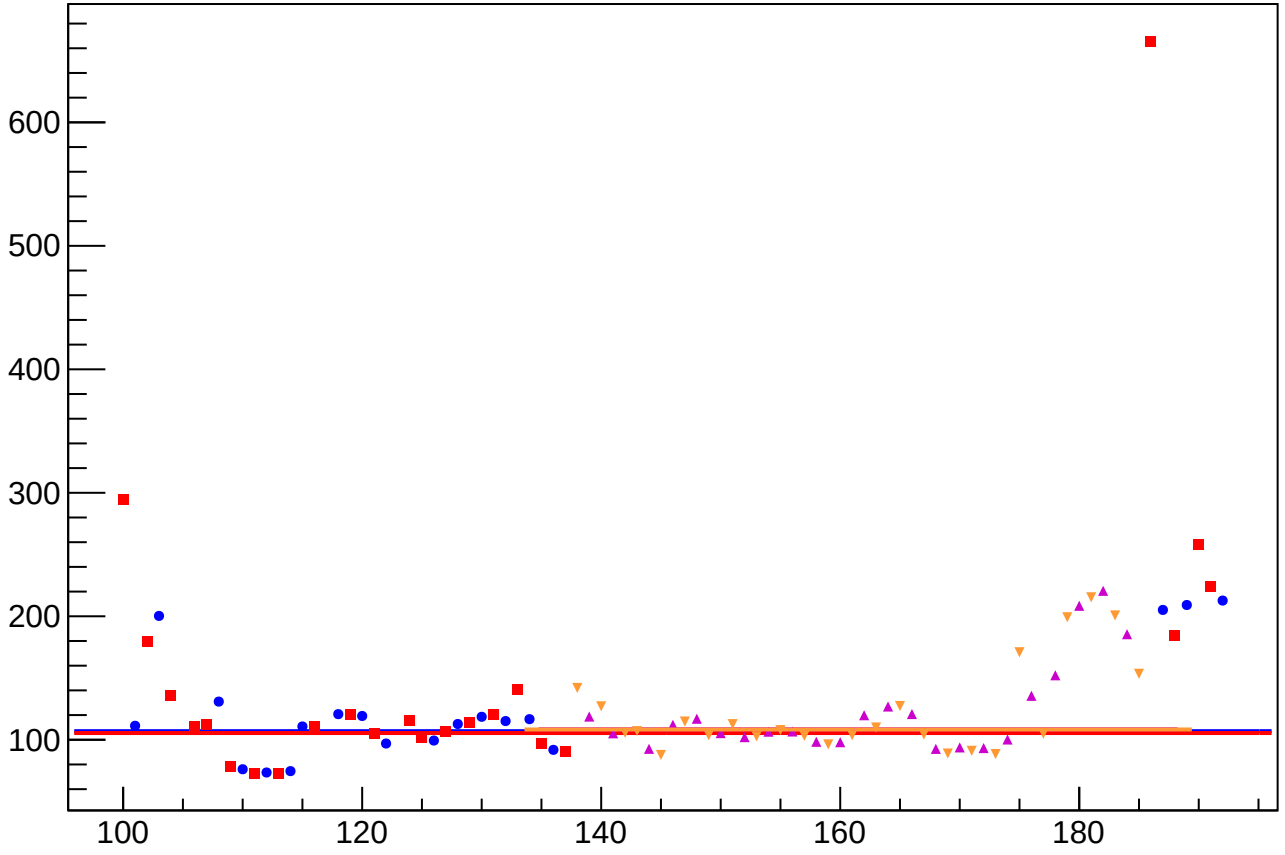
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 34.810+/-21.209 χ^2/NDF: 37.7/43

All: -8.517+/-15.085 χ^2/NDF: 111.8/89

- sign -52.880+/-21.461 χ^2/NDF: 65.6/45

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 106.963+/-0.027 χ^2/NDF: 1572638.9/18

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

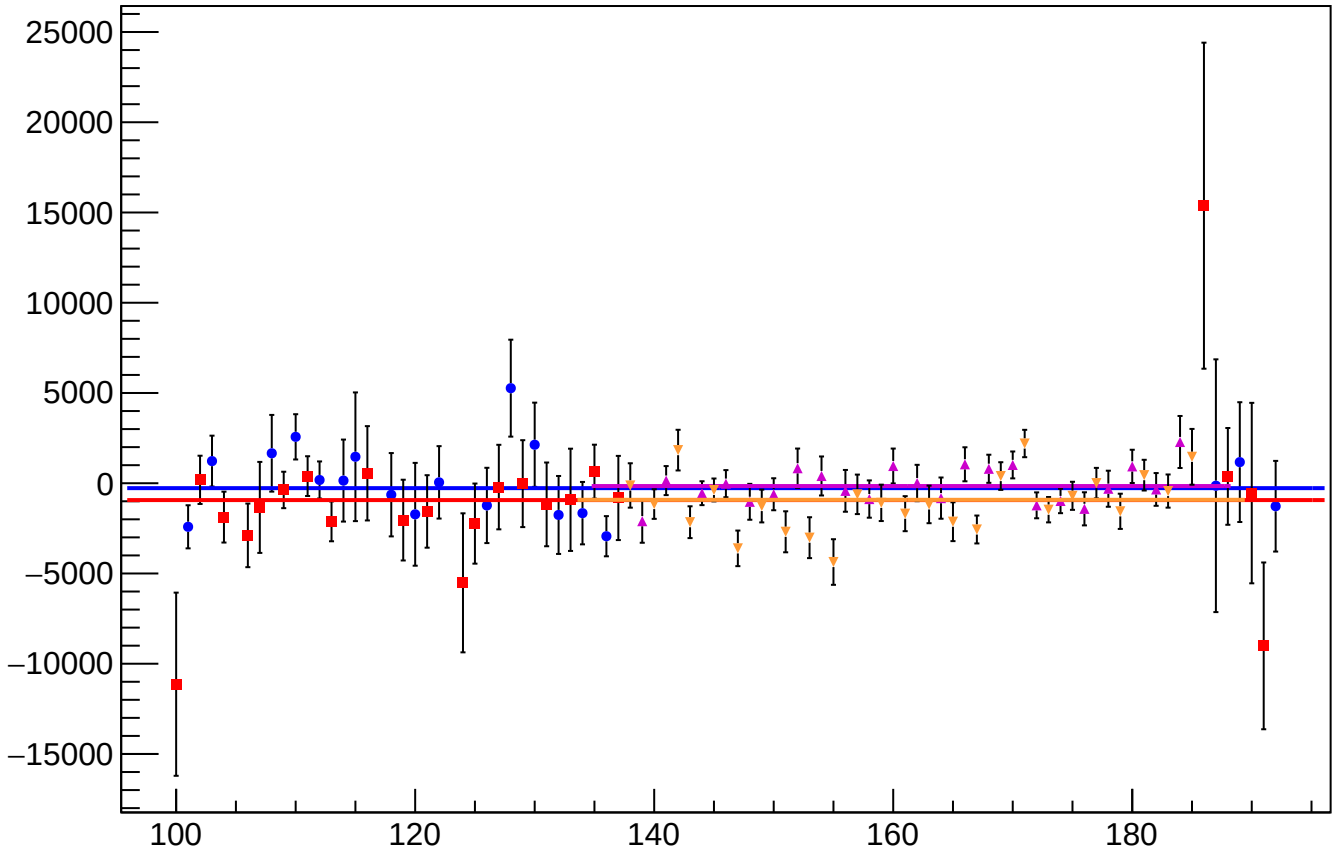
Right Out: 105.458+/-0.026 χ^2/NDF: 2213017.0/22

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 107.903+/-0.015 χ^2/NDF: 3349019.9/43

All: 107.693+/-0.011 χ^2/NDF: 6950708.5/89

- sign 107.479+/-0.015 χ^2/NDF: 3601293.7/45



Right In: -272.243+/-407.610 χ^2/NDF: 23.8/18

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

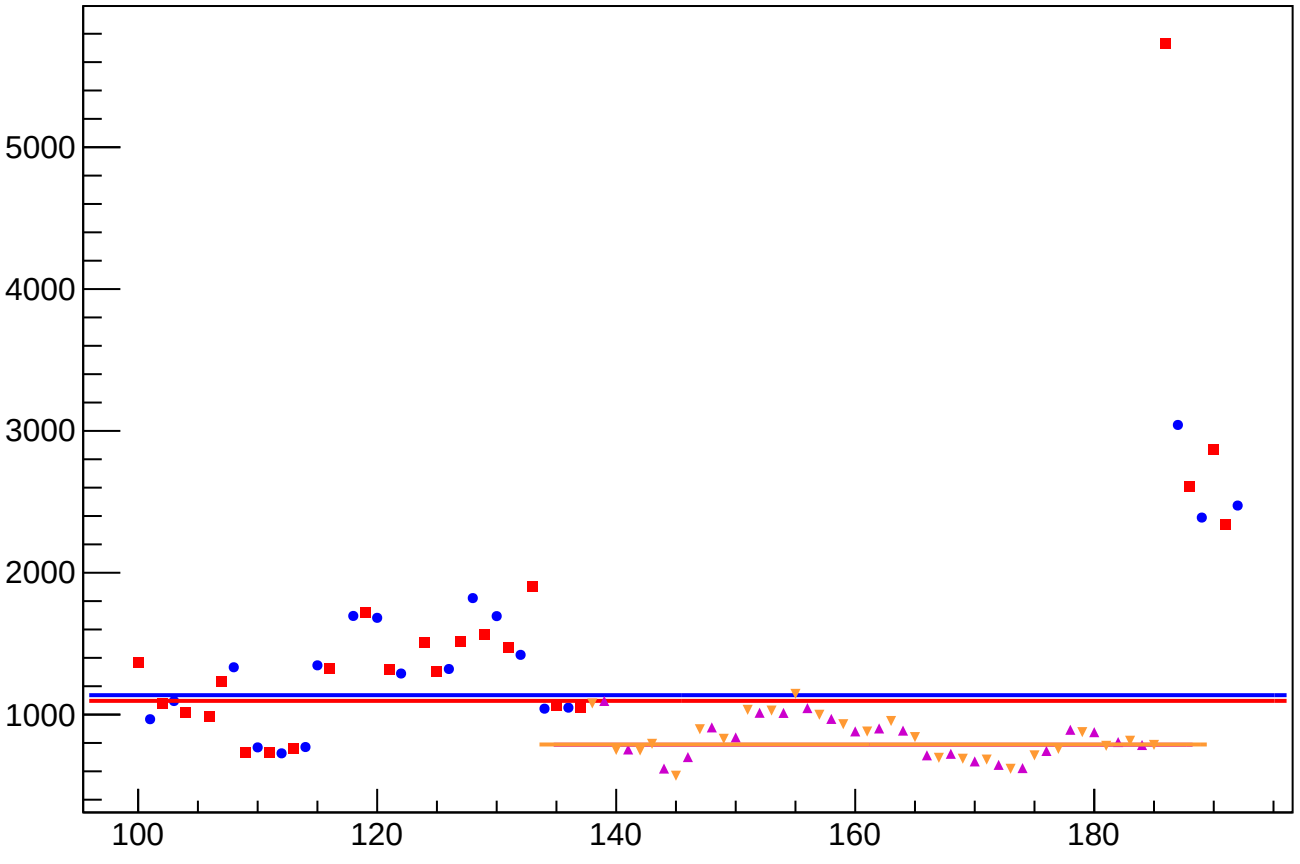
Right Out: -933.641+/-389.025 χ^2/NDF: 19.7/22

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -810.816+/-166.537 χ^2/NDF: 90.0/43

All: -559.576+/-118.490 χ^2/NDF: 140.6/89

- sign -302.001+/-168.624 χ^2/NDF: 46.0/45



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

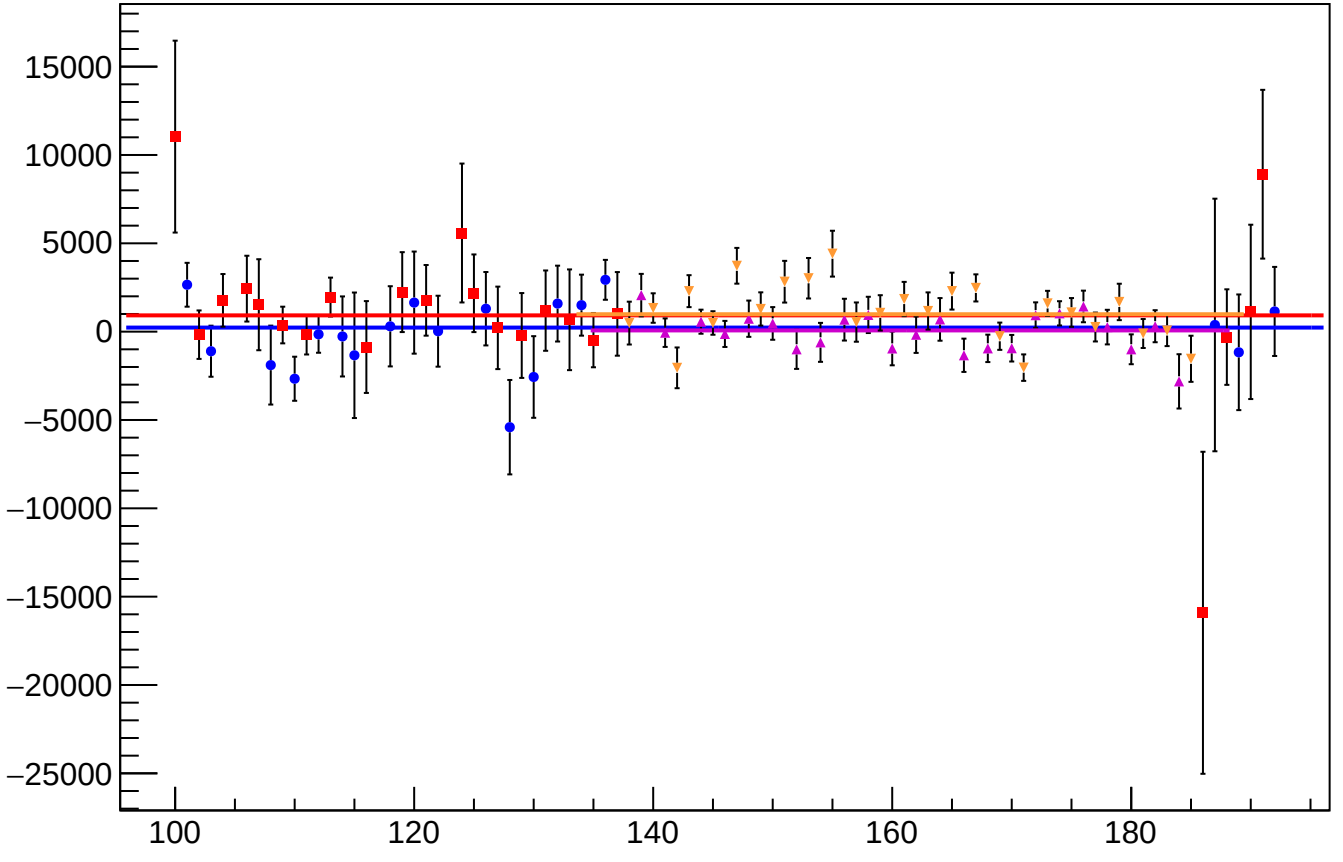
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 847.273+/-0.118 χ^2/NDF: 4511144.7/43

All: 846.407+/-0.084 χ^2/NDF: 9418903.9/89

- sign 845.519+/-0.119 χ^2/NDF: 4907649.7/45

asym_sam_3748_avg_mean vs Slug



Right In: 230.377+/-412.048 χ^2/NDF: 24.8/18

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 921.617+/-395.658 χ^2/NDF: 17.6/22

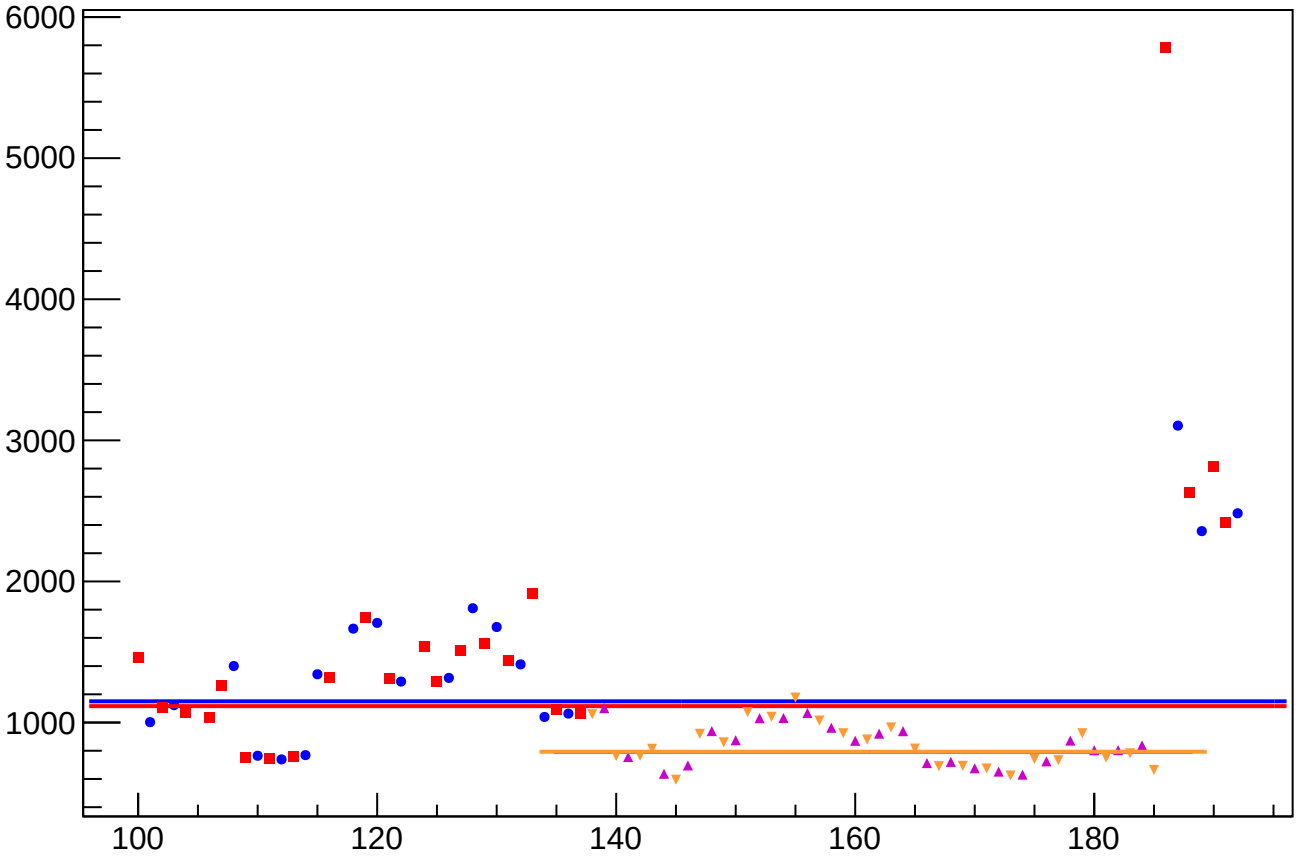
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 860.541+/-167.706 χ^2/NDF: 91.3/43

All: 547.751+/-119.331 χ^2/NDF: 144.1/89

- sign 226.980+/-169.832 χ^2/NDF: 45.8/45

asym_sam_3748_avg_rms vs Slug



Right In: 1150.288+/-0.291 χ^2/NDF: 2073747.0/18

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

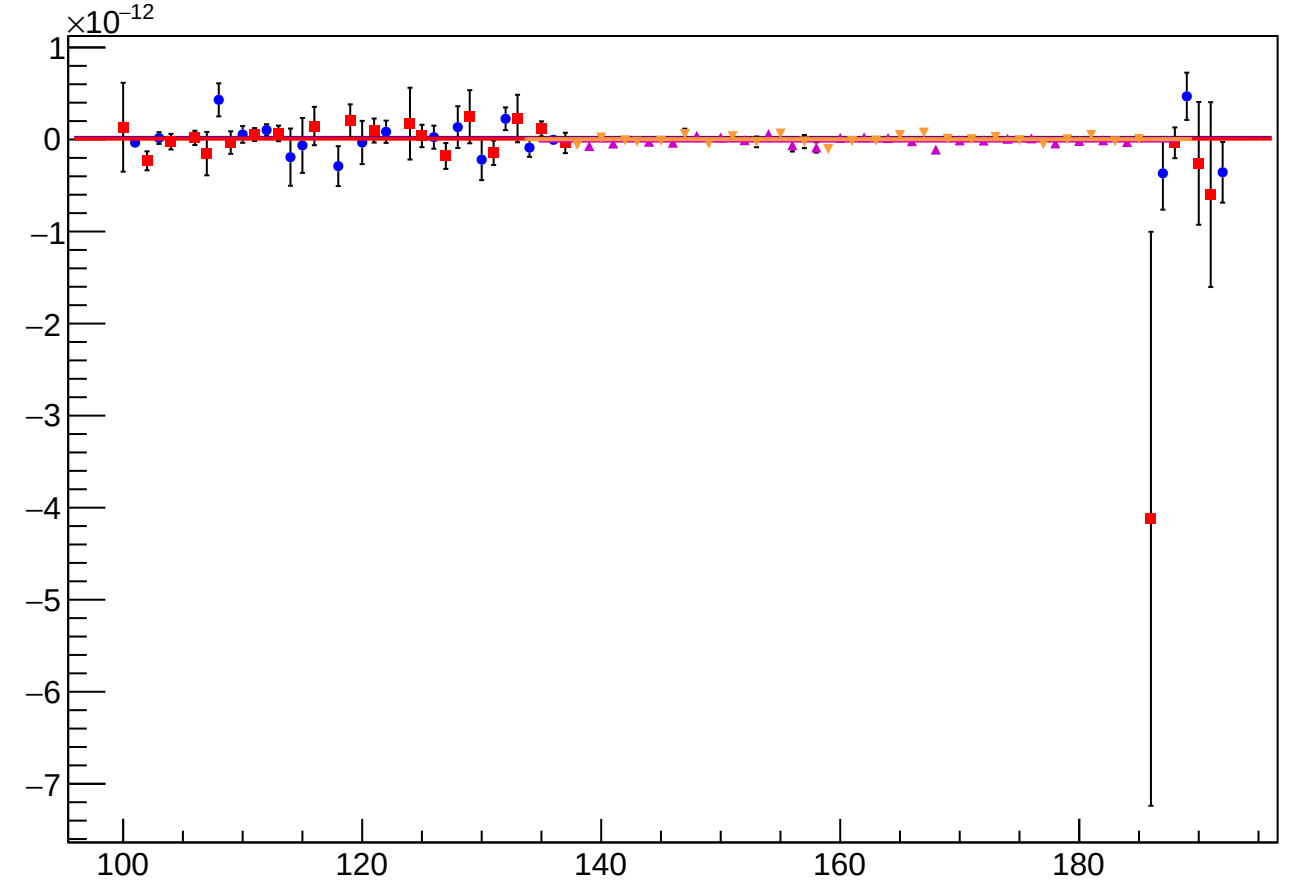
Right Out: 1116.236+/-0.280 χ^2/NDF: 2781668.6/22

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 852.229+/-0.119 χ^2/NDF: 4522000.4/43

All: 851.647+/-0.084 χ^2/NDF: 9454188.5/89

- sign 851.050+/-0.120 χ^2/NDF: 4932139.3/45



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

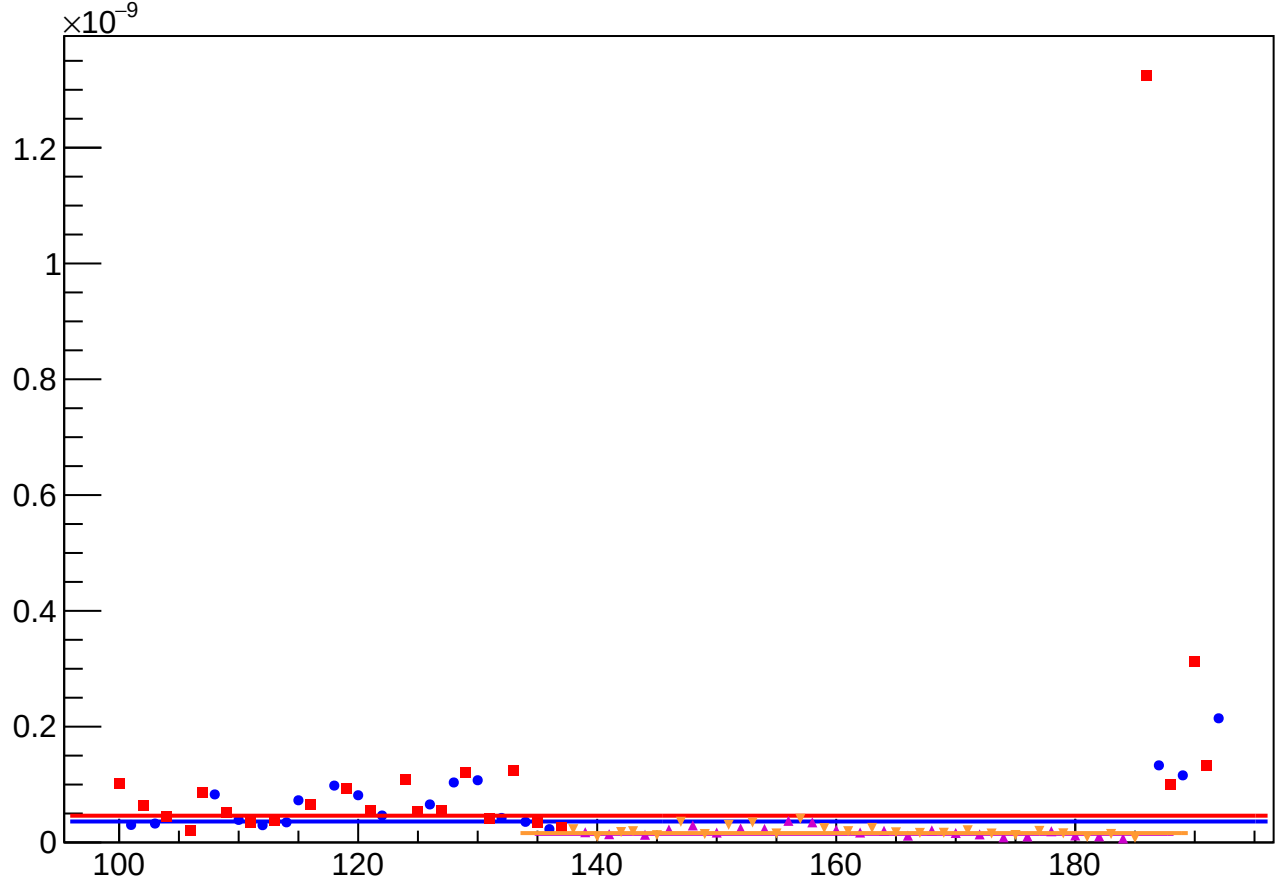
Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.6/43

All: -0.000+/-0.000 χ^2/NDF: 103.8/89

- sign -0.000+/-0.000 χ^2/NDF: 44.1/45

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug



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

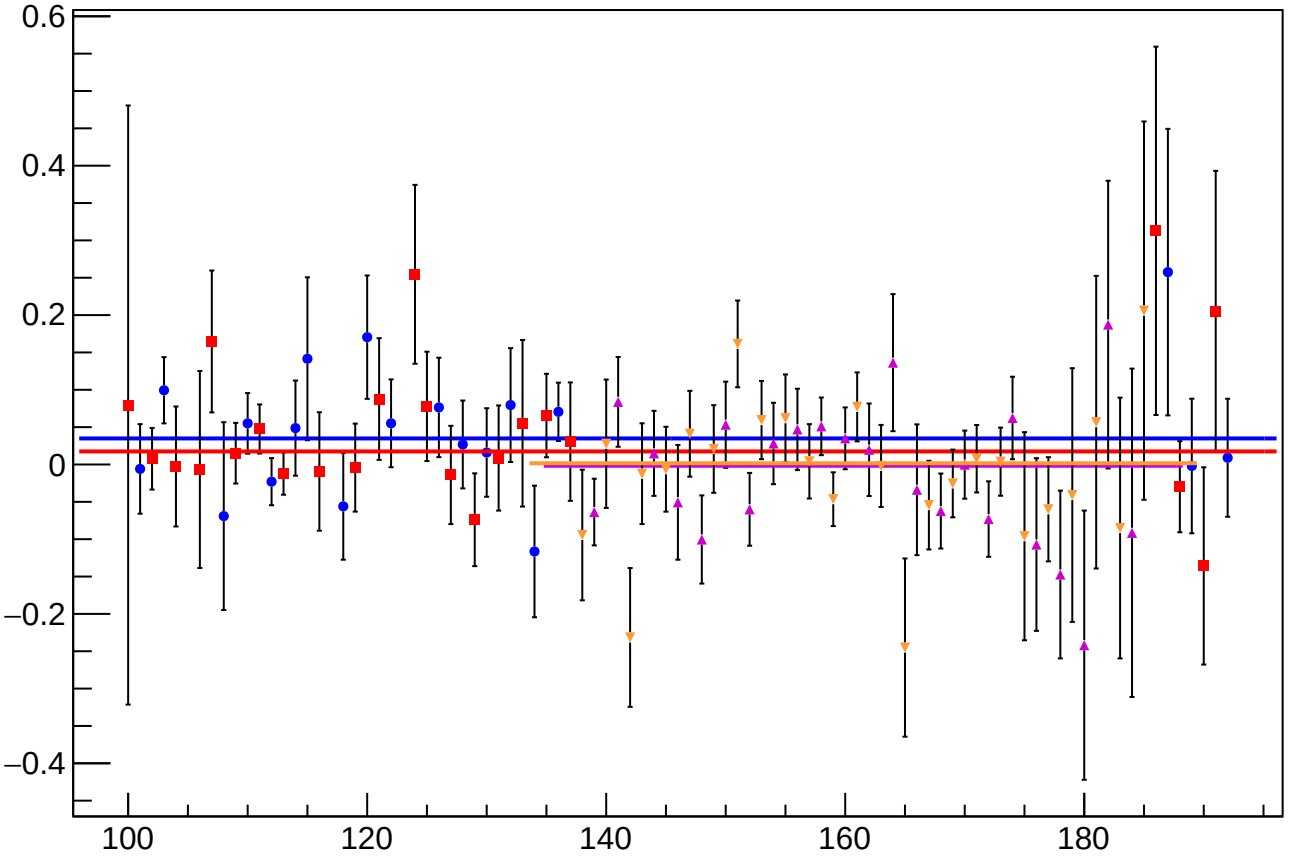
Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5391458.1/43

All: 0.000+/-0.000 χ^2/NDF: 11697191.1/89

- sign 0.000+/-0.000 χ^2/NDF: 6266089.1/45

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.013 χ^2/NDF: 18.6/18

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

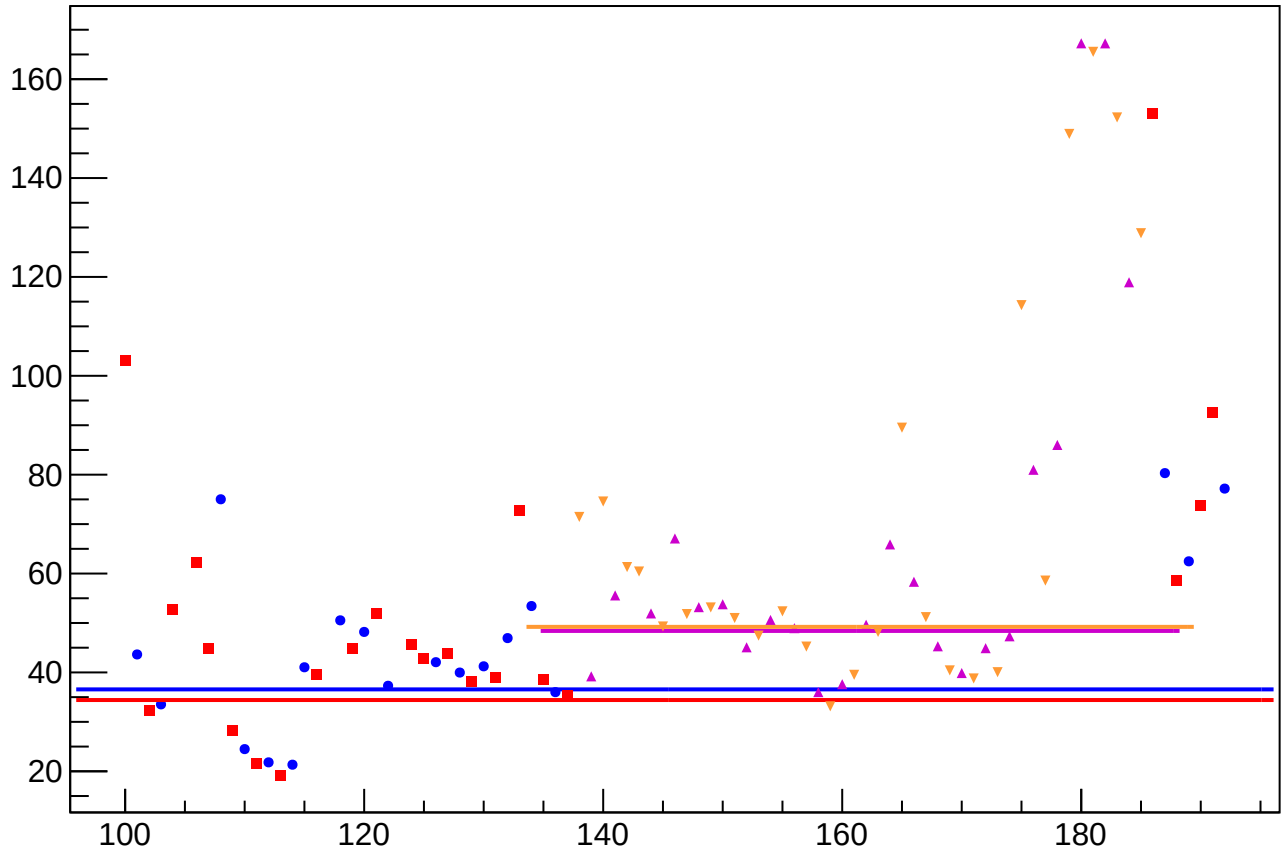
Right Out: 0.017+/-0.013 χ^2/NDF: 17.8/22

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.3/43

All: 0.012+/-0.006 χ^2/NDF: 97.8/89

- sign 0.008+/-0.009 χ^2/NDF: 45.0/45



Right In: 36.569+/-0.010 χ^2/NDF: 2014836.9/18

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

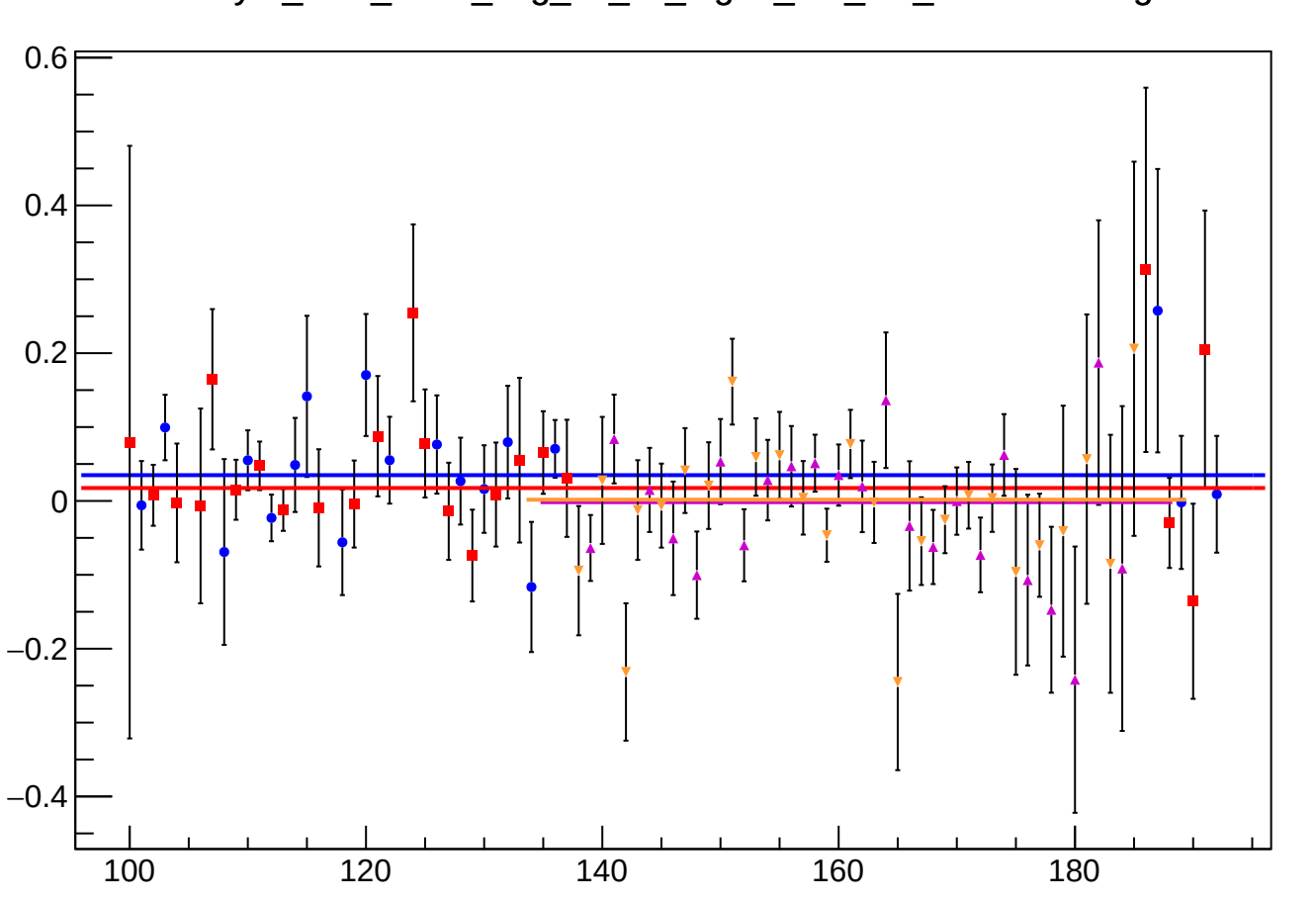
Right Out: 34.415+/-0.009 χ^2/NDF: 2872713.6/22

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

\+ sign 43.477+/-0.006 χ^2/NDF: 7146411.6/43

All: 42.516+/-0.004 χ^2/NDF: 14336866.9/89

\- sign 41.600+/-0.006 χ^2/NDF: 7146738.4/45



Right In: 0.035+/-0.013 χ^2/NDF: 18.6/18

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

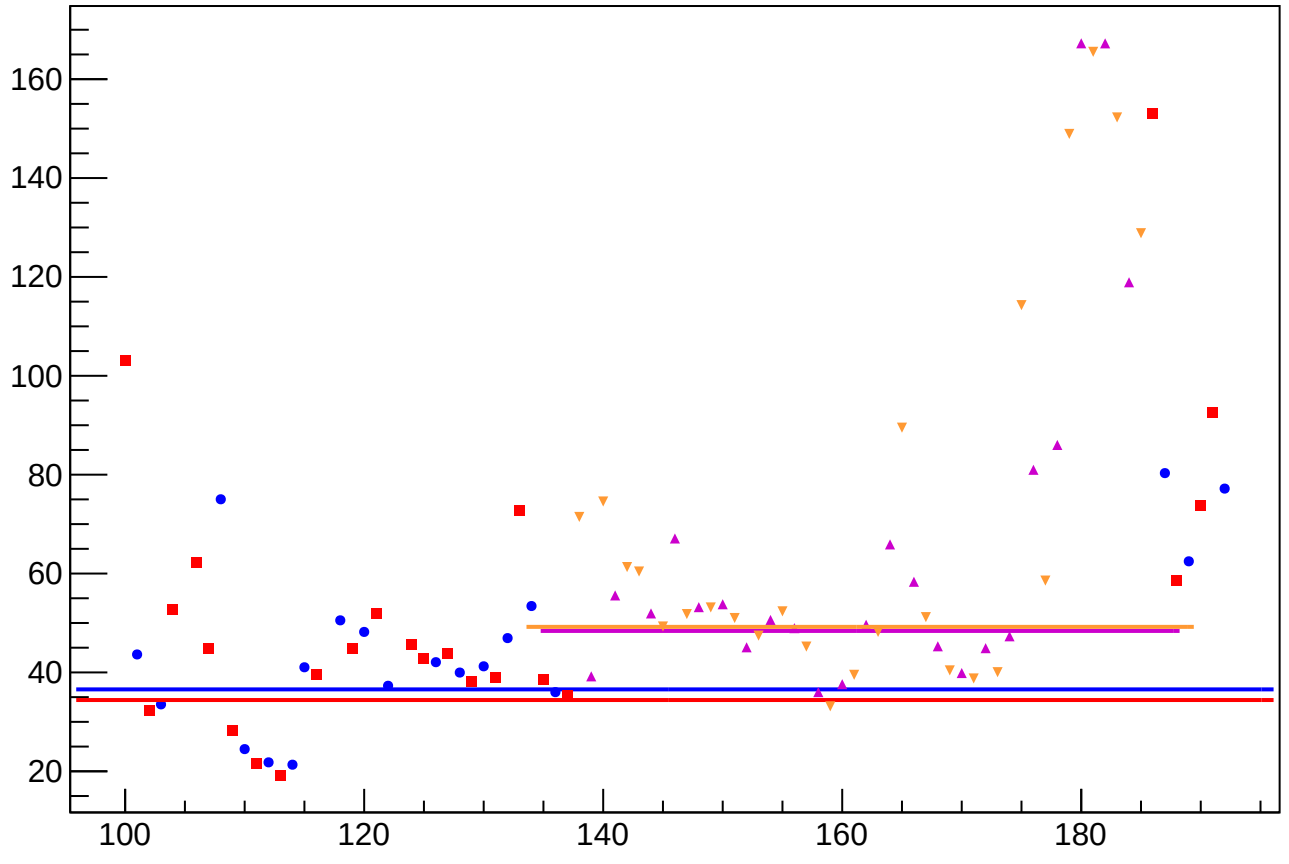
Right Out: 0.017+/-0.013 χ^2/NDF: 17.8/22

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.3/43

All: 0.012+/-0.006 χ^2/NDF: 97.8/89

- sign 0.008+/-0.009 χ^2/NDF: 45.0/45



Right In: 36.569+/-0.010 χ^2/NDF: 2014836.9/18

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

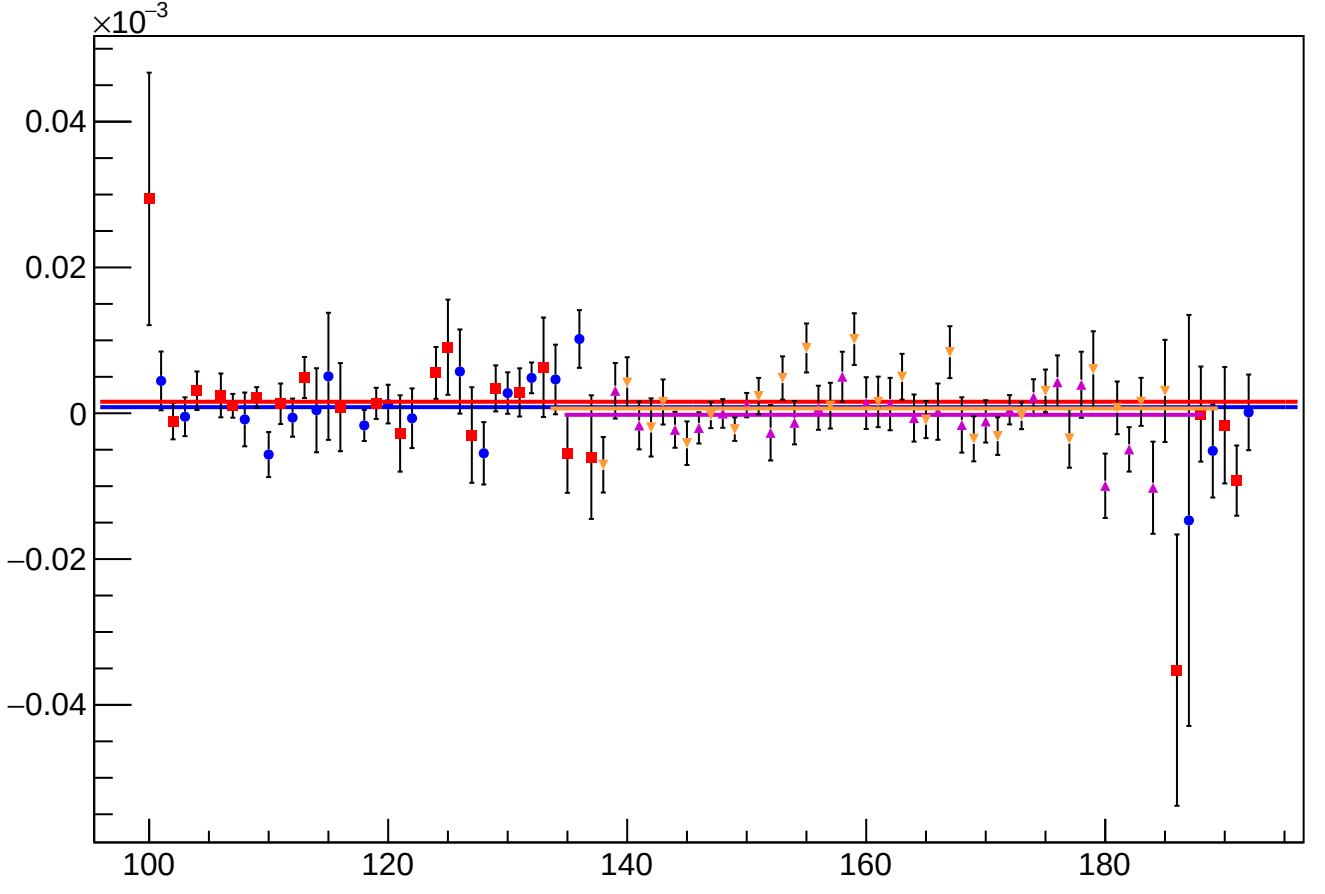
Right Out: 34.415+/-0.009 χ^2/NDF: 2872713.6/22

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 43.477+/-0.006 χ^2/NDF: 7146411.6/43

All: 42.516+/-0.004 χ^2/NDF: 14336866.9/89

- sign 41.600+/-0.006 χ^2/NDF: 7146738.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

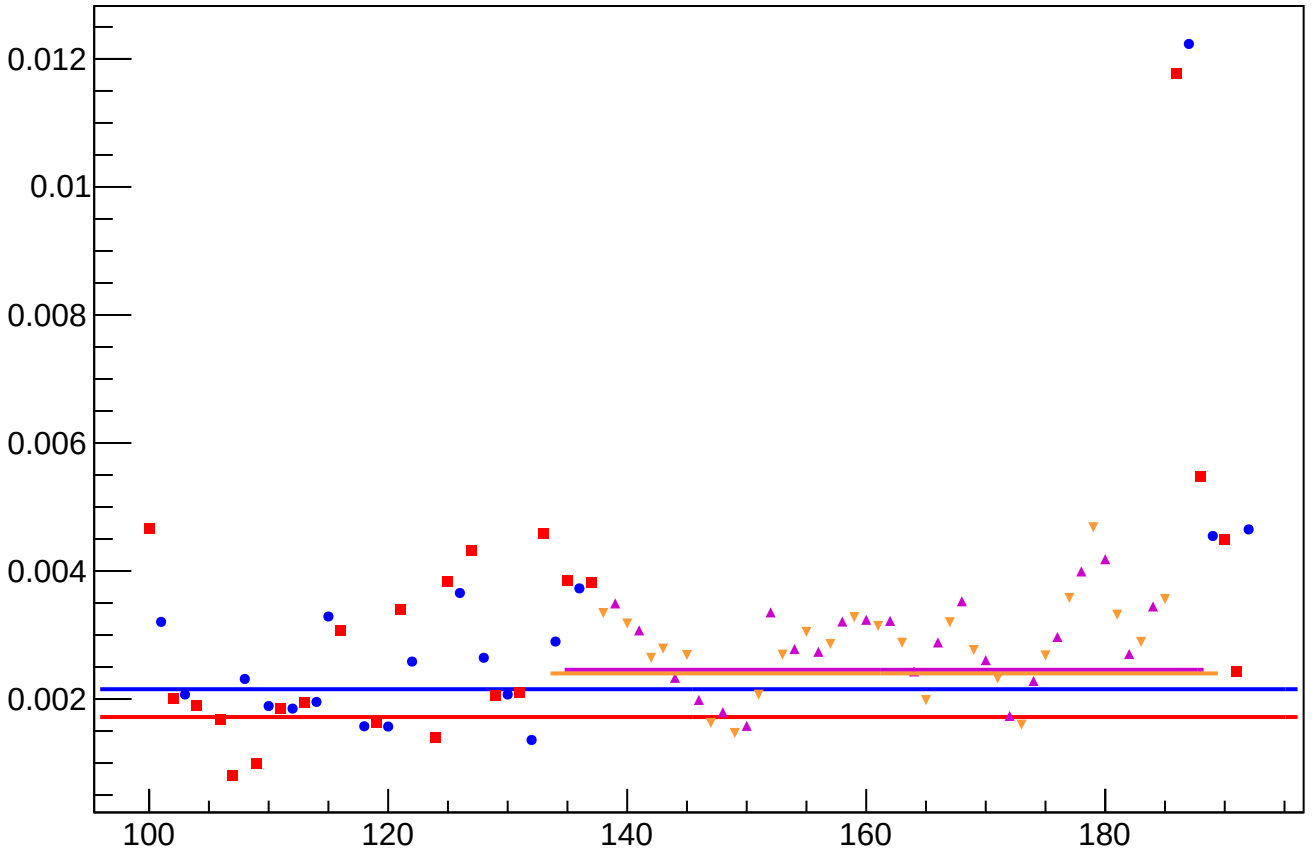
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/22

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.9/43

All: 0.000+/-0.000 χ^2/NDF: 110.0/89

- sign 0.000+/-0.000 χ^2/NDF: 46.1/45



Right In: 0.002+/-0.000 χ^2/NDF: 2294331.5/18

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

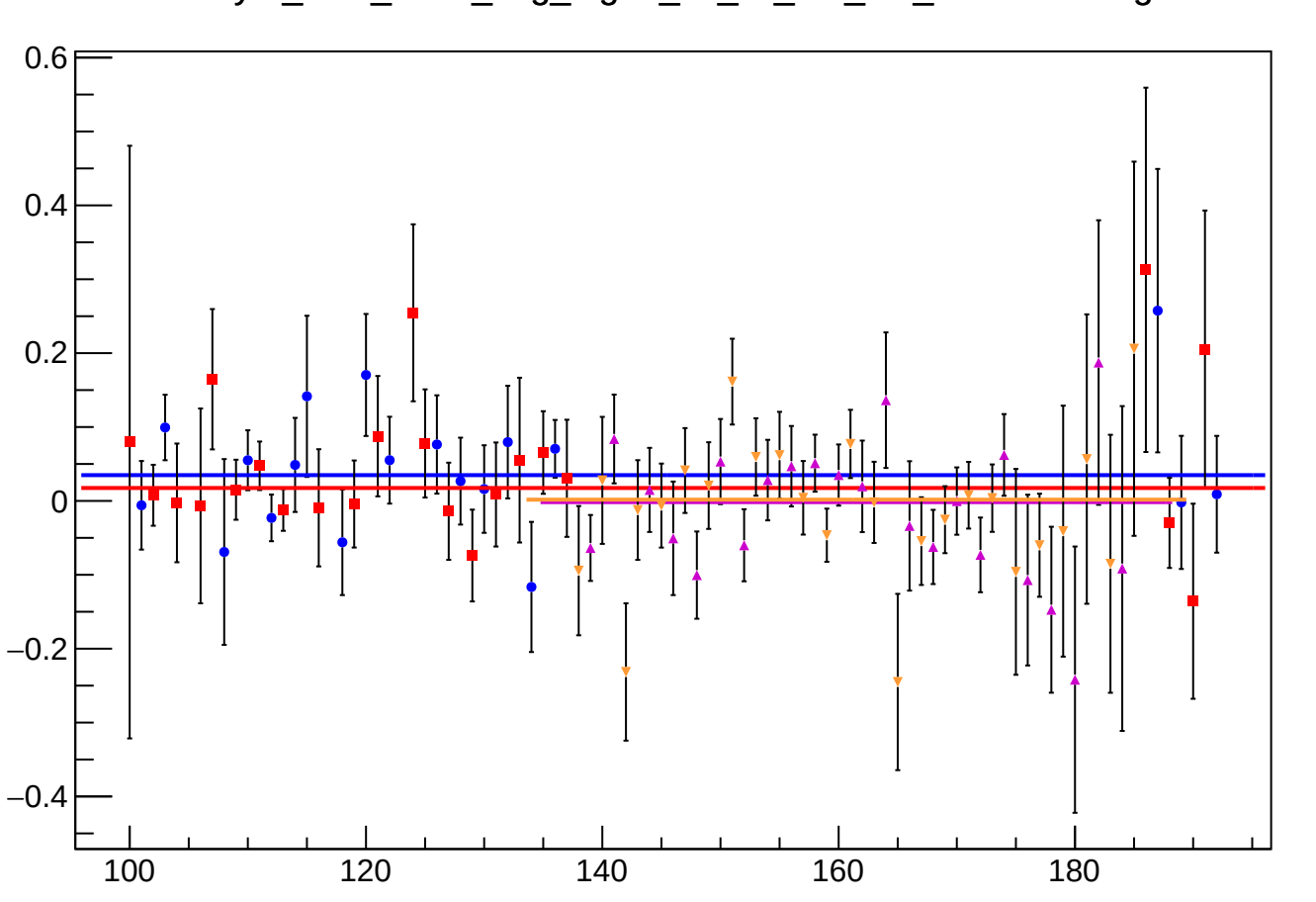
Right Out: 0.002+/-0.000 χ^2/NDF: 4493027.8/22

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

\+ sign 0.002+/-0.000 χ^2/NDF: 5545613.5/43

All: 0.002+/-0.000 χ^2/NDF: 14223975.0/89

\- sign 0.002+/-0.000 χ^2/NDF: 8494563.5/45



Right In: 0.035+/-0.013 χ^2/NDF: 18.6/18

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

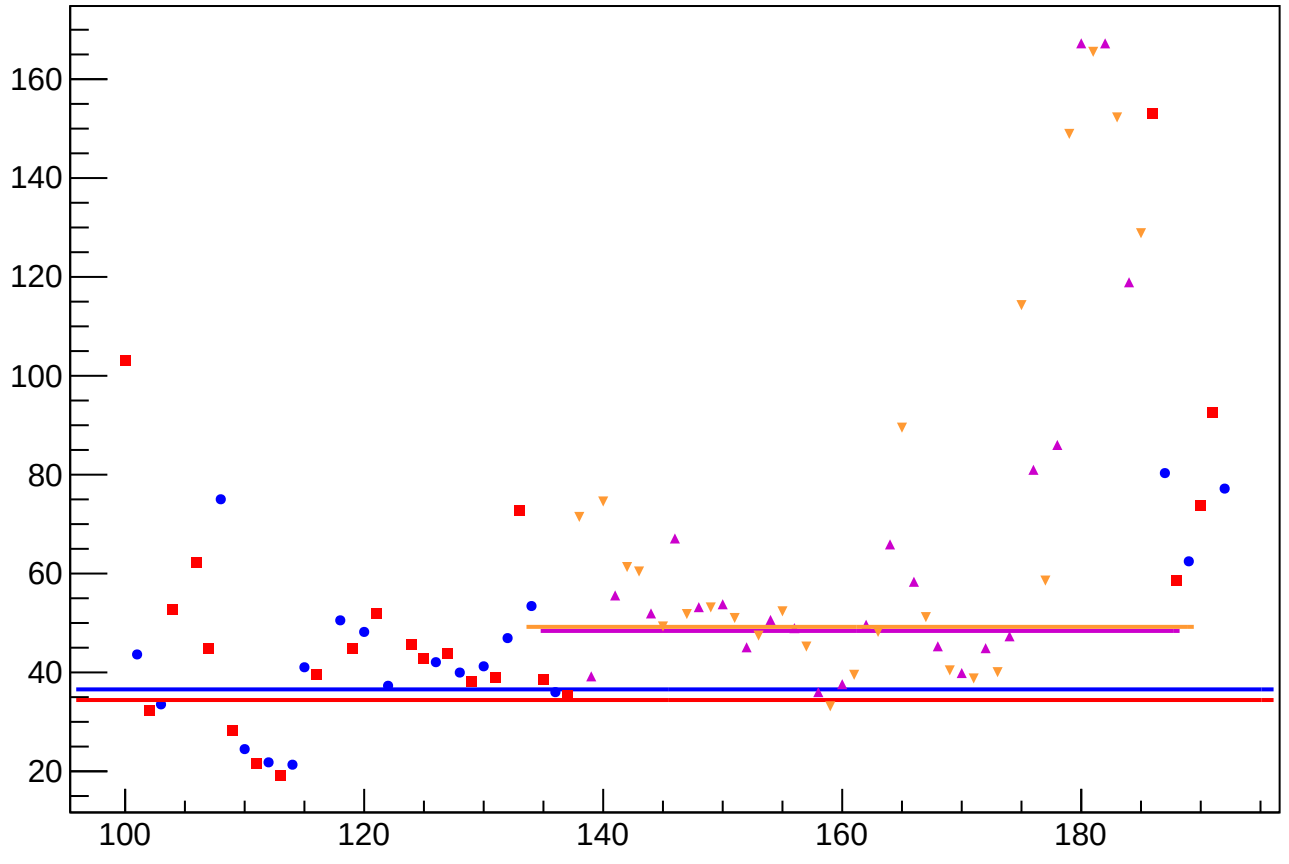
Right Out: 0.017+/-0.013 χ^2/NDF: 17.8/22

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.3/43

All: 0.012+/-0.006 χ^2/NDF: 97.8/89

- sign 0.008+/-0.009 χ^2/NDF: 45.0/45



Right In: 36.569+/-0.010 χ^2/NDF: 2014769.9/18

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

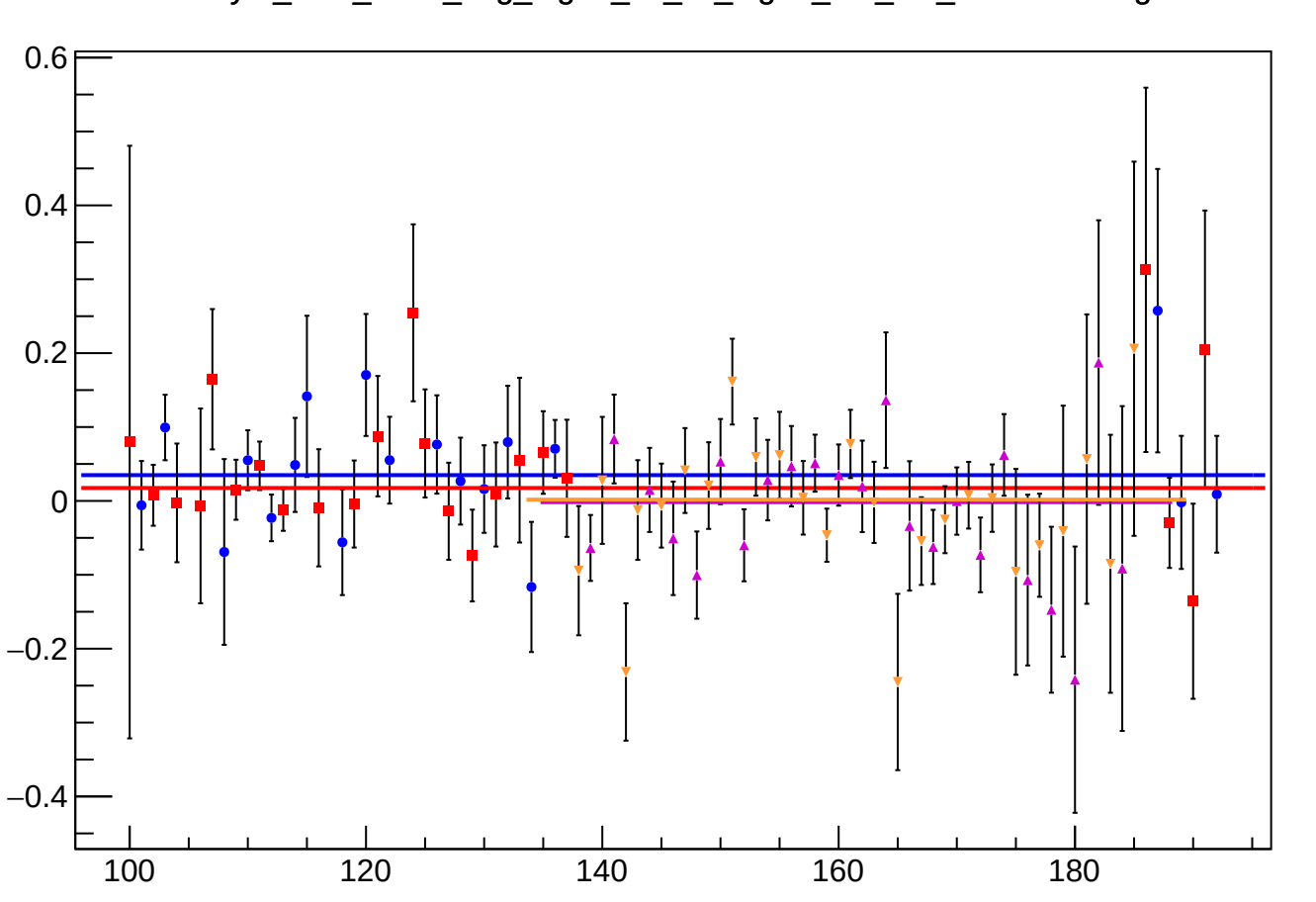
Right Out: 34.416+/-0.009 χ^2/NDF: 2872704.0/22

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

\+ sign 43.478+/-0.006 χ^2/NDF: 7146333.4/43

All: 42.516+/-0.004 χ^2/NDF: 14336742.2/89

\- sign 41.600+/-0.006 χ^2/NDF: 7146694.4/45



Right In: 0.035+/-0.013 χ^2/NDF: 18.6/18

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

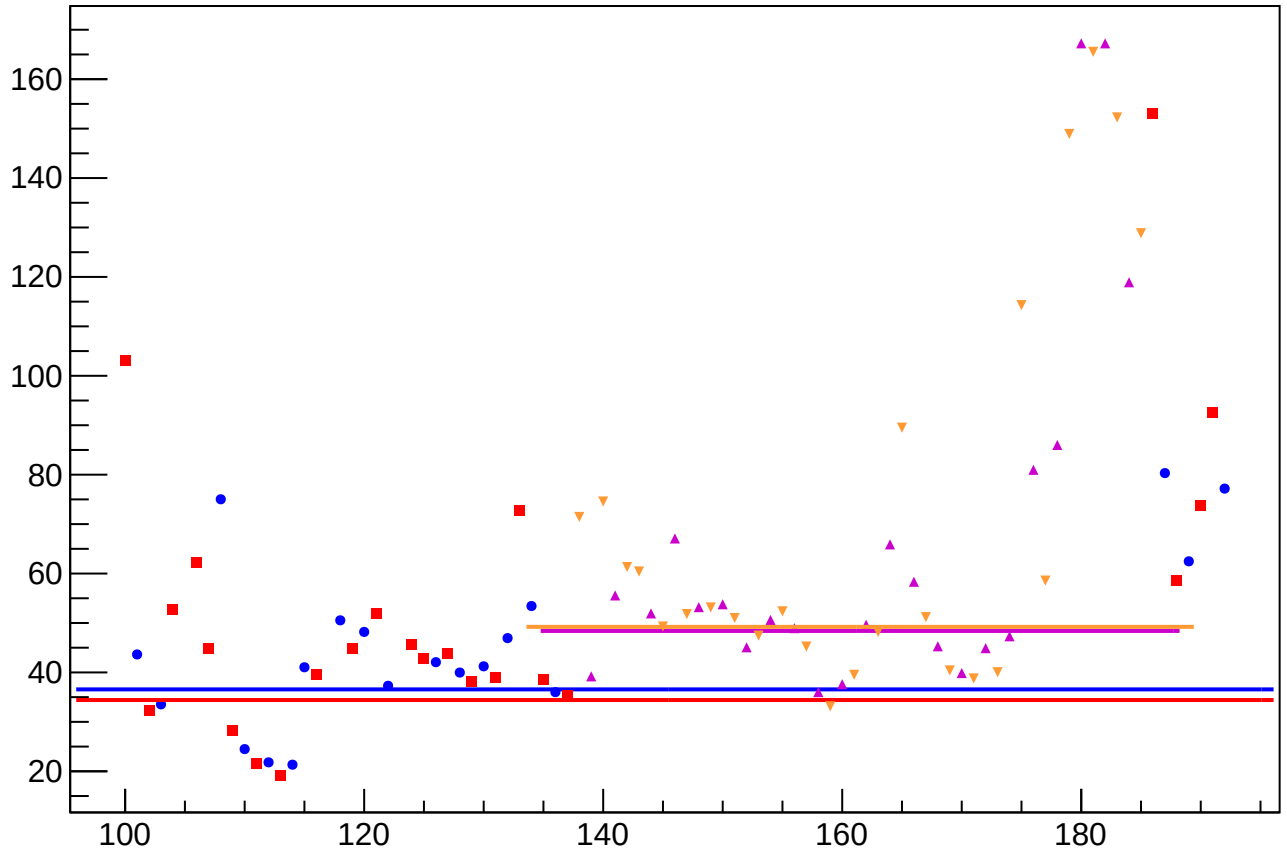
Right Out: 0.017+/-0.013 χ^2/NDF: 17.8/22

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.3/43

All: 0.012+/-0.006 χ^2/NDF: 97.8/89

- sign 0.008+/-0.009 χ^2/NDF: 45.0/45



Right In: 36.569+/-0.010 χ^2/NDF: 2014769.9/18

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

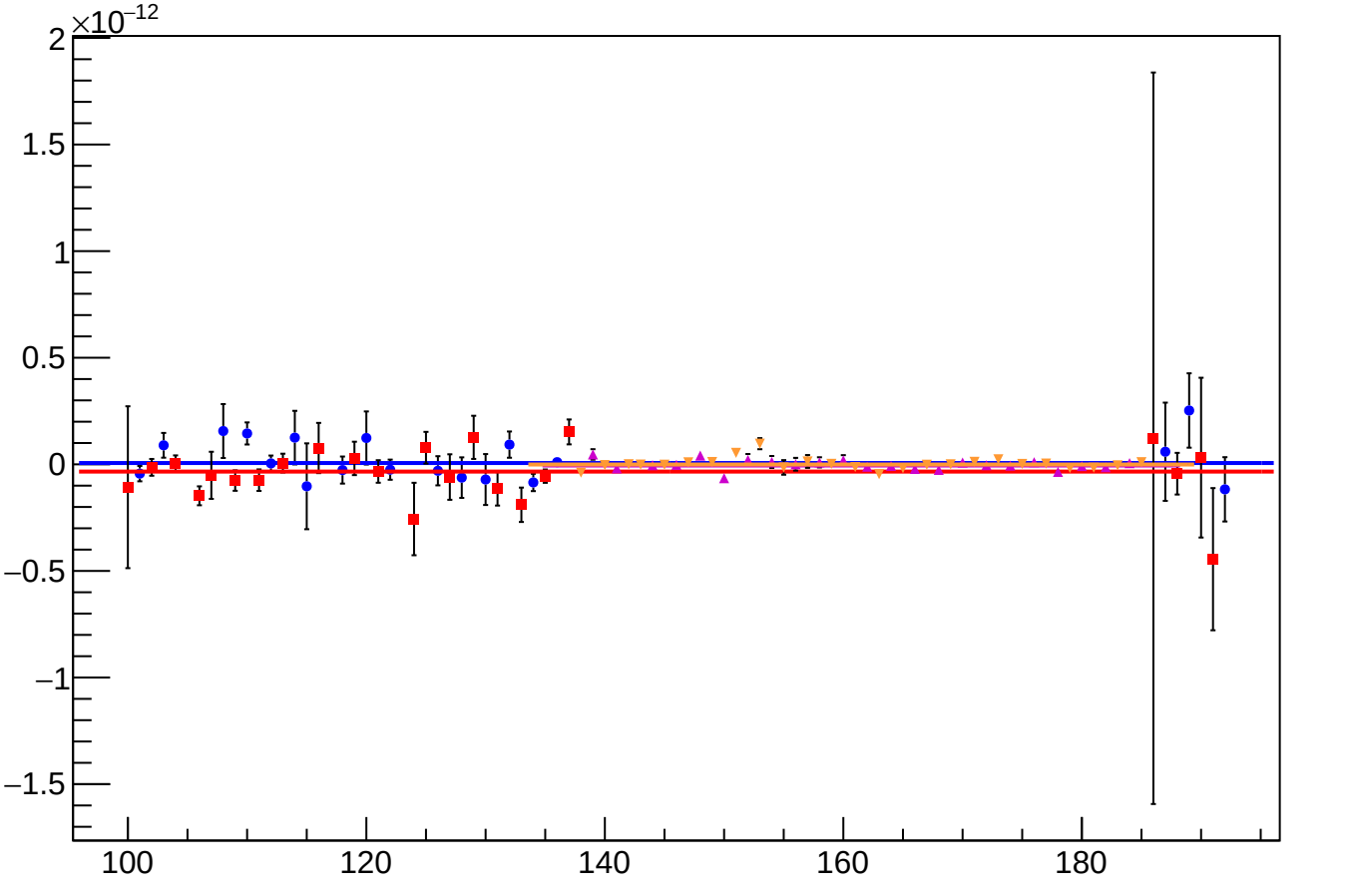
Right Out: 34.416+/-0.009 χ^2/NDF: 2872704.0/22

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 43.478+/-0.006 χ^2/NDF: 7146333.4/43

All: 42.516+/-0.004 χ^2/NDF: 14336742.2/89

- sign 41.600+/-0.006 χ^2/NDF: 7146694.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

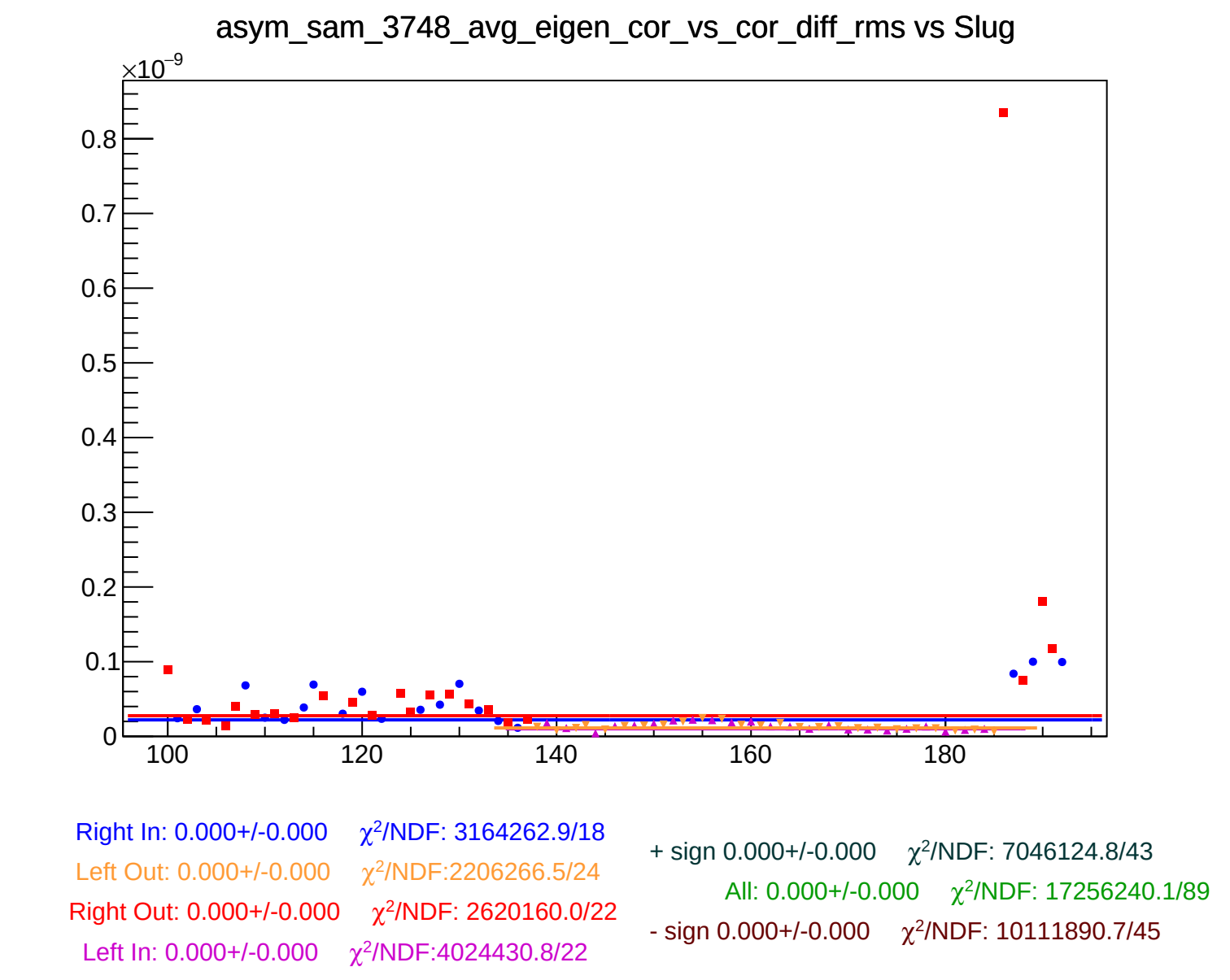
Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/22

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

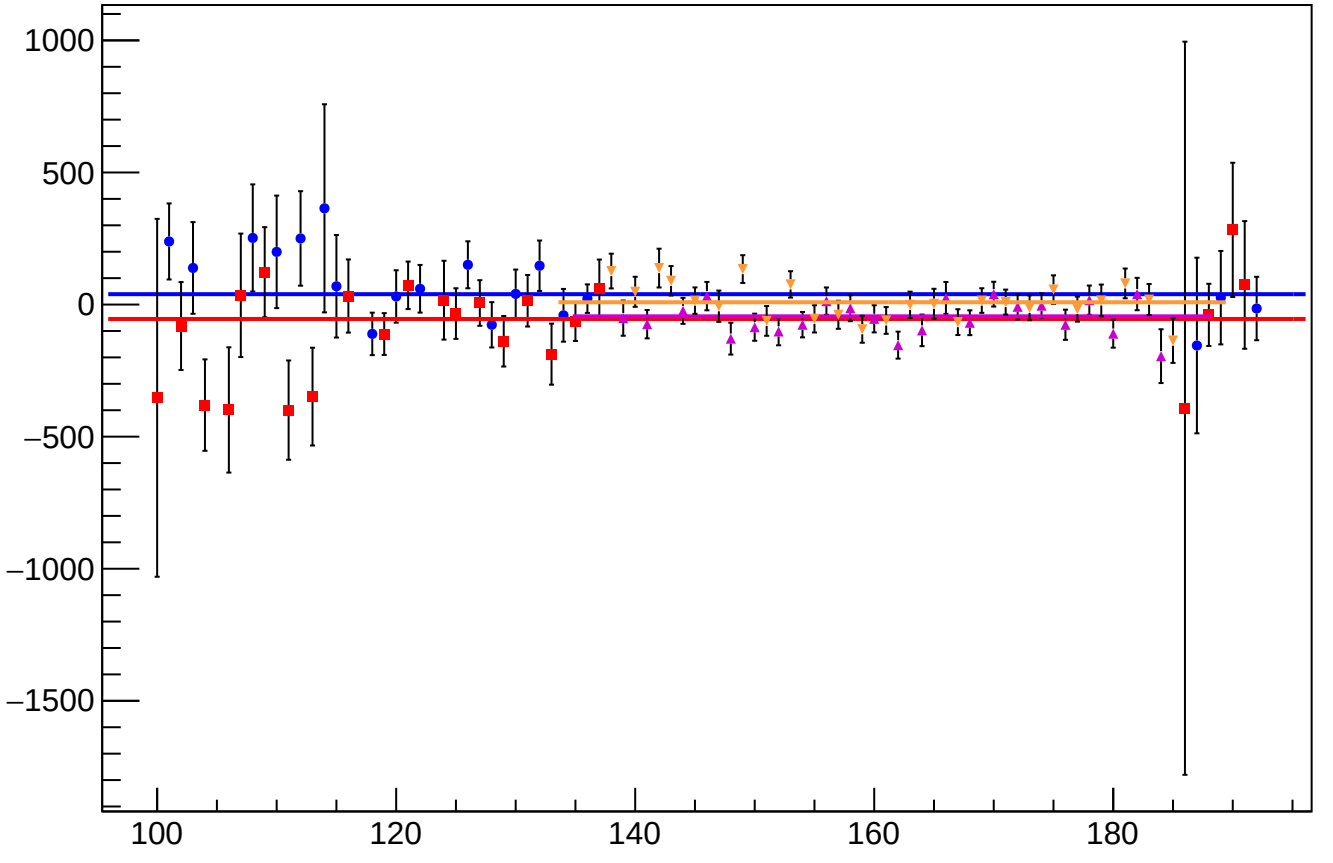
+ sign -0.000+/-0.000 χ^2/NDF: 63.6/43

All: -0.000+/-0.000 χ^2/NDF: 134.1/89

- sign -0.000+/-0.000 χ^2/NDF: 68.1/45


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3164262.9/18
Left Out: 0.000+/-0.000 χ²/NDF:2206266.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 2620160.0/22
Left In: 0.000+/-0.000 χ²/NDF:4024430.8/22
+ sign 0.000+/-0.000 χ²/NDF: 7046124.8/43
All: 0.000+/-0.000 χ²/NDF: 17256240.1/89
- sign 0.000+/-0.000 χ²/NDF: 10111890.7/45

reg_asym_sam_1526_avg_mean vs Slug



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

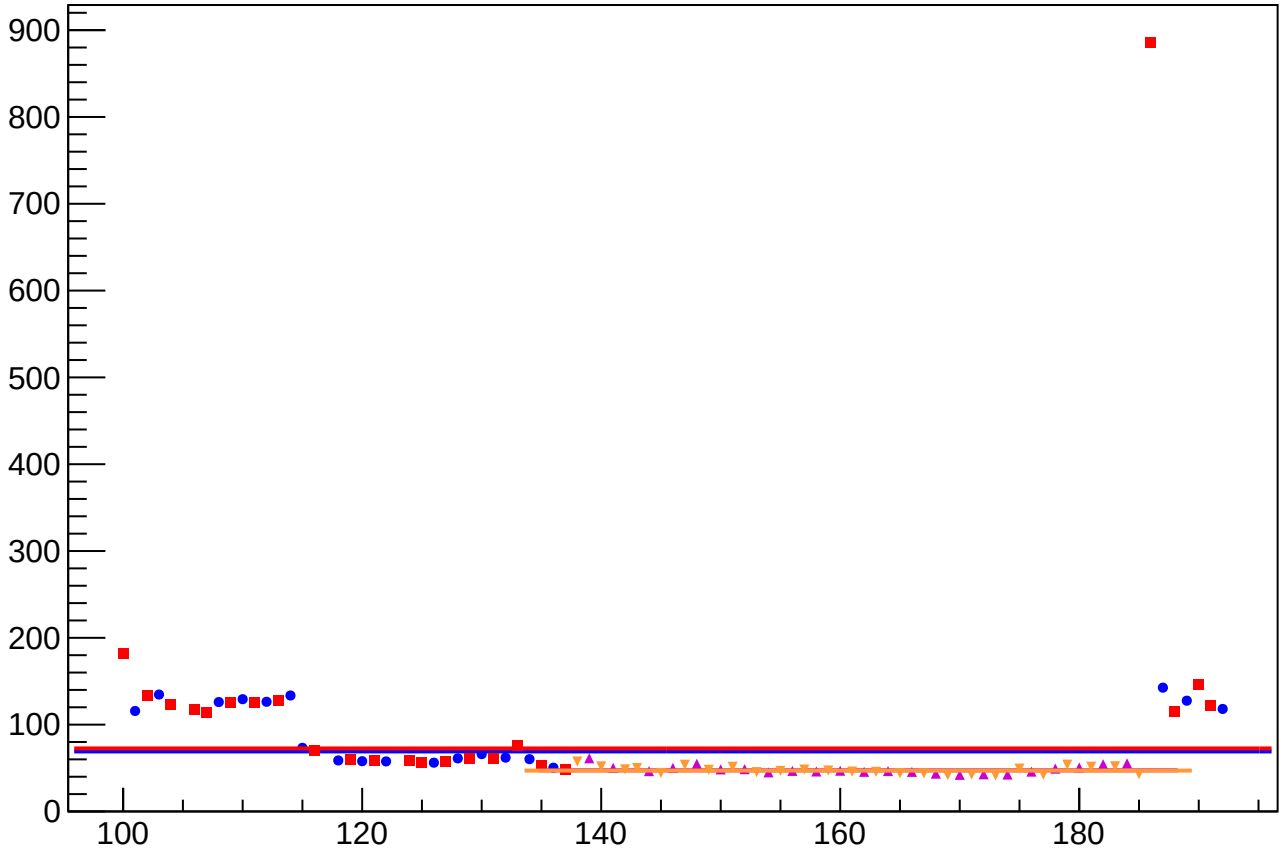
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 13.574+/-9.884 χ^2/NDF: 51.4/43

All: -15.201+/-7.112 χ^2/NDF: 118.7/89

- sign -46.100+/-10.242 χ^2/NDF: 49.7/45

reg_asym_sam_1526_avg_rms vs Slug



Right In: 69.153+/-0.018 χ^2/NDF: 2141641.8/18

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

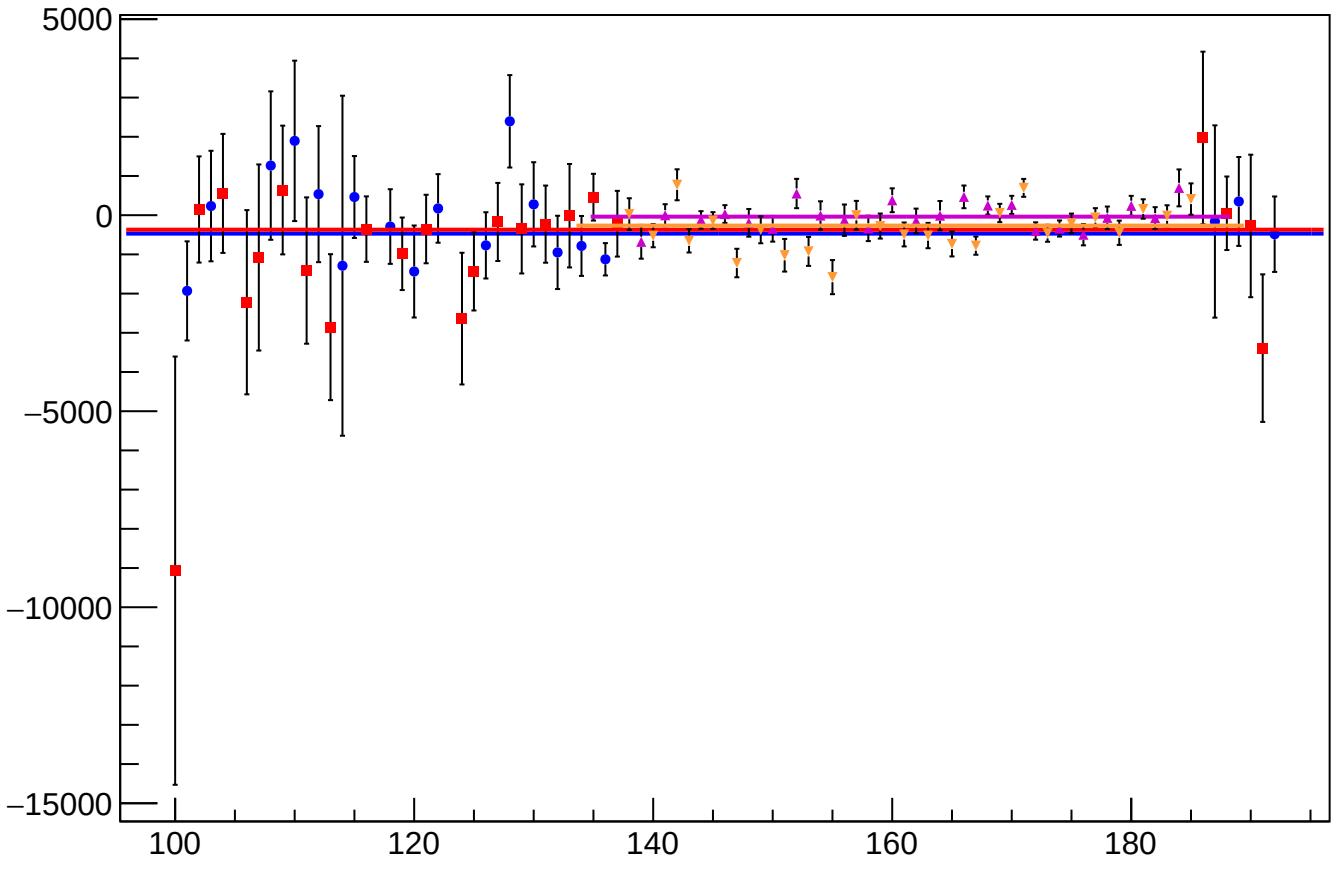
Right Out: 72.587+/-0.018 χ^2/NDF: 2874311.8/22

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.549+/-0.007 χ^2/NDF: 3756645.4/43

All: 50.919+/-0.005 χ^2/NDF: 8503008.6/89

- sign 51.317+/-0.007 χ^2/NDF: 4740540.0/45



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

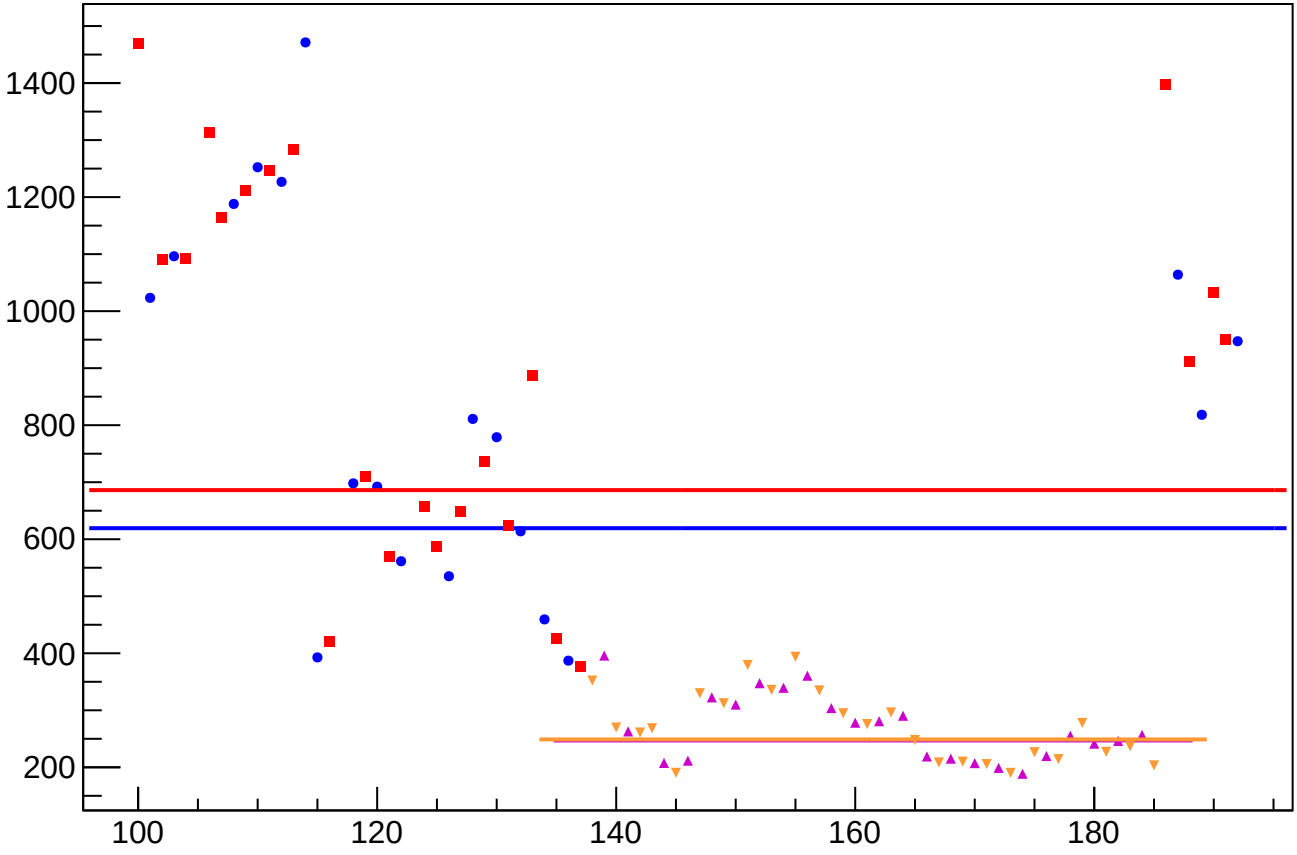
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -278.485+/-56.185 χ^2/NDF: 86.8/43

All: -169.908+/-40.172 χ^2/NDF: 138.5/89

- sign -56.343+/-57.461 χ^2/NDF: 44.0/45

asym_sam_1526_avg_reg_correction_rms vs Slug



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

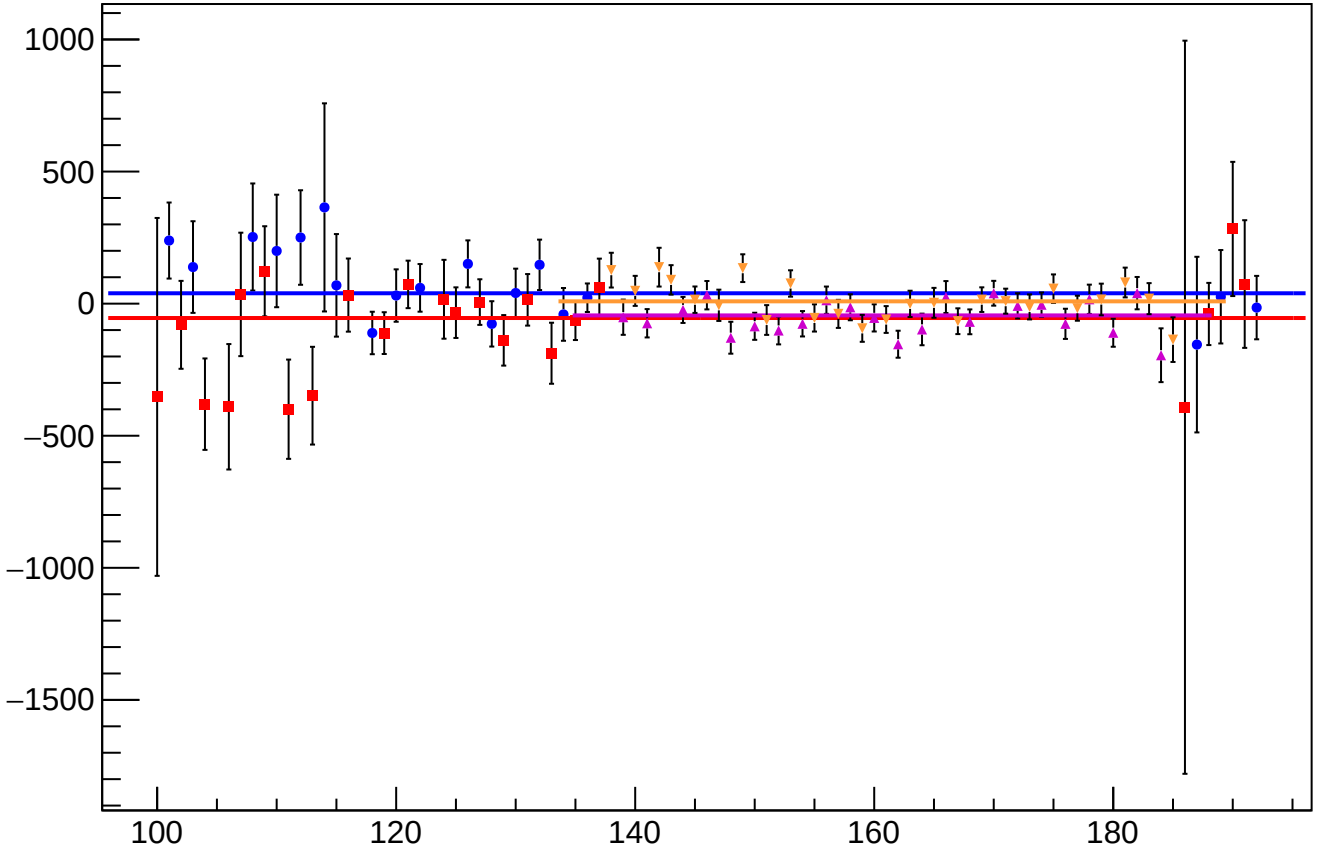
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

\+ sign 272.089+/-0.040 χ^2/NDF: 9218652.4/43

All: 272.023+/-0.028 χ^2/NDF: 19524489.1/89

\- sign 271.954+/-0.041 χ^2/NDF: 10305831.0/45

cor_asym_sam_1526_avg_mean vs Slug



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

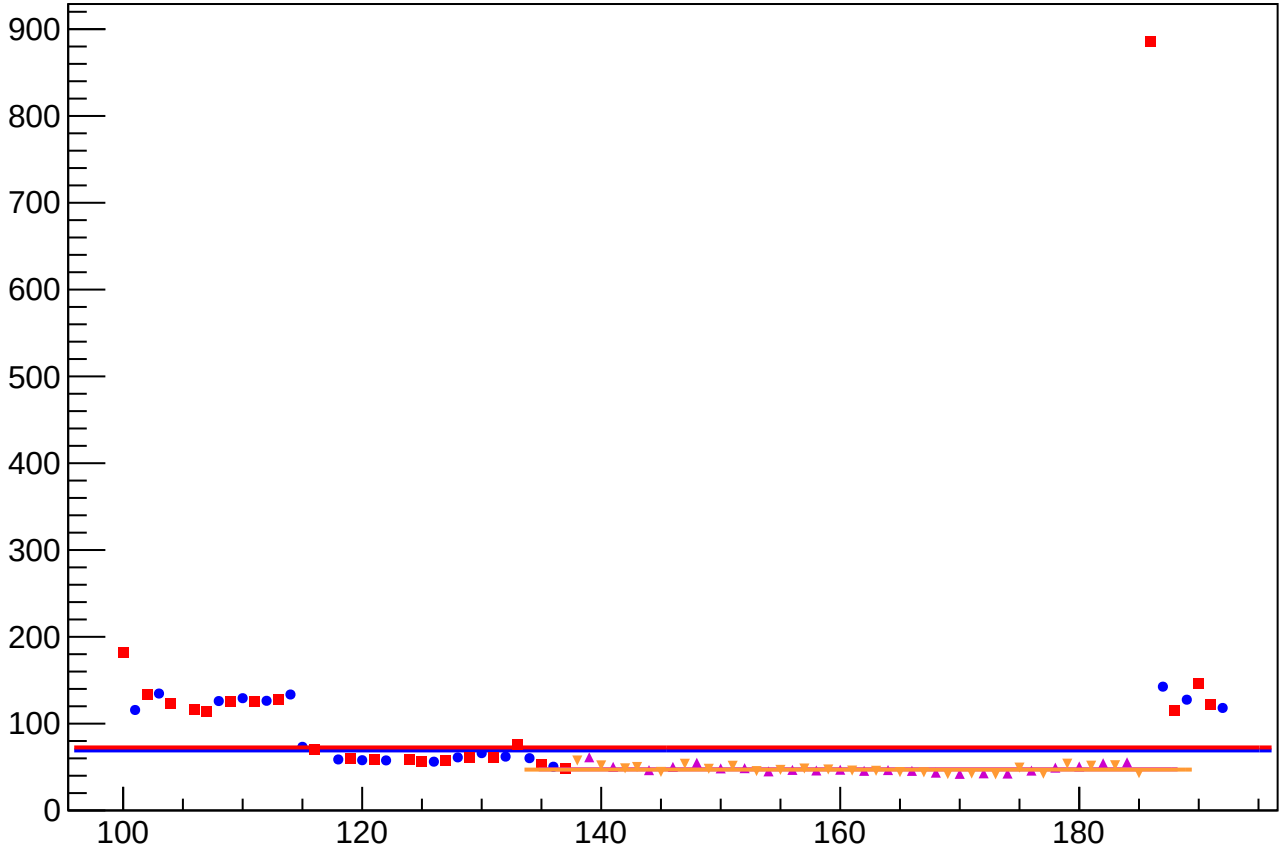
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.575+/-9.884 χ^2/NDF: 51.4/43

All: -15.190+/-7.112 χ^2/NDF: 118.6/89

- sign -46.077+/-10.242 χ^2/NDF: 49.6/45

cor_asym_sam_1526_avg_rms vs Slug



Right In: 69.153+/-0.018 χ^2/NDF: 2141644.1/18

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

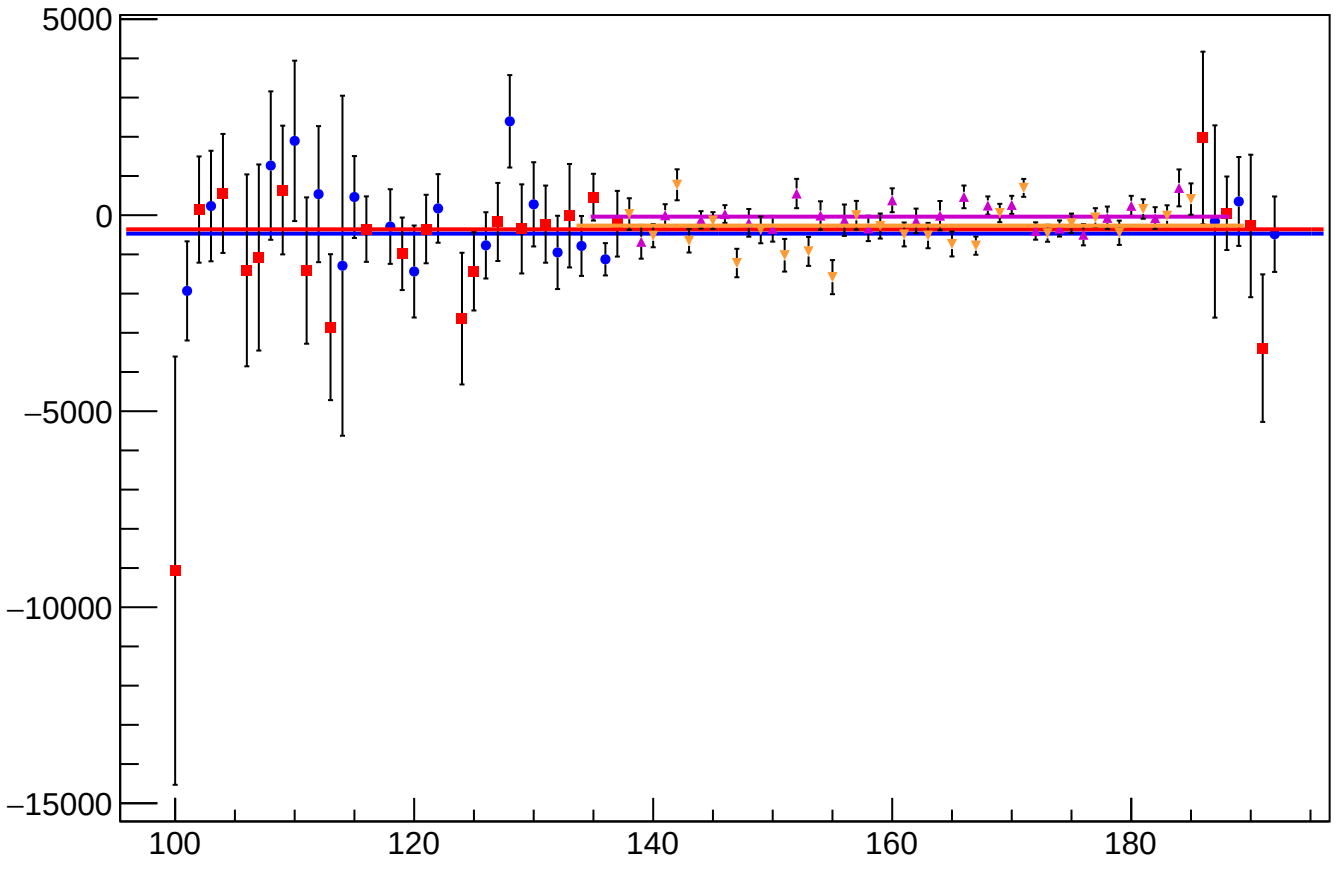
Right Out: 72.574+/-0.018 χ^2/NDF: 2871280.9/22

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

\+ sign 50.549+/-0.007 χ^2/NDF: 3756647.4/43

All: 50.918+/-0.005 χ^2/NDF: 8498204.4/89

\- sign 51.315+/-0.007 χ^2/NDF: 4735767.7/45



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

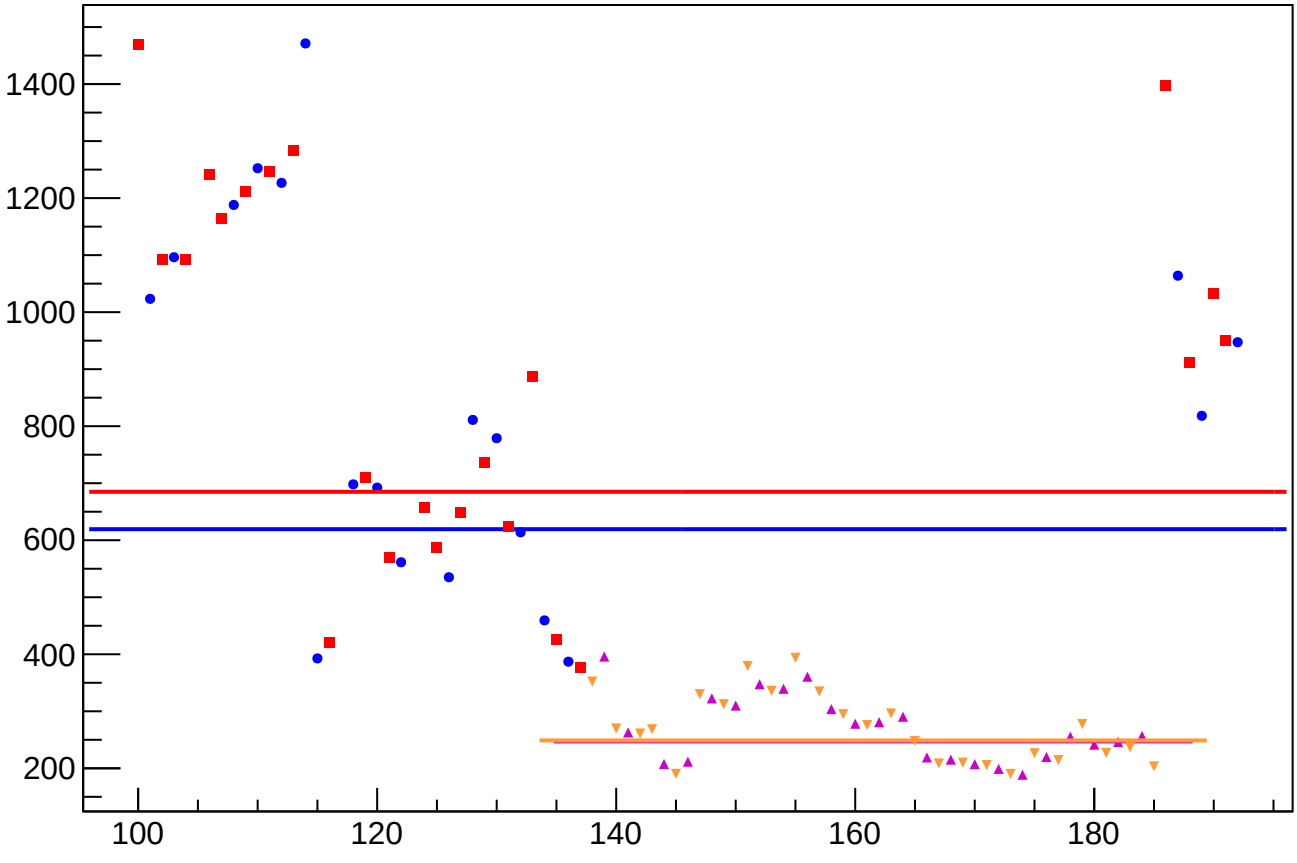
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -278.481+/-56.185 χ^2/NDF: 86.8/43

All: -169.641+/-40.173 χ^2/NDF: 137.9/89

- sign -55.794+/-57.463 χ^2/NDF: 43.5/45

asym_sam_1526_avg_cor_correction_rms vs Slug



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

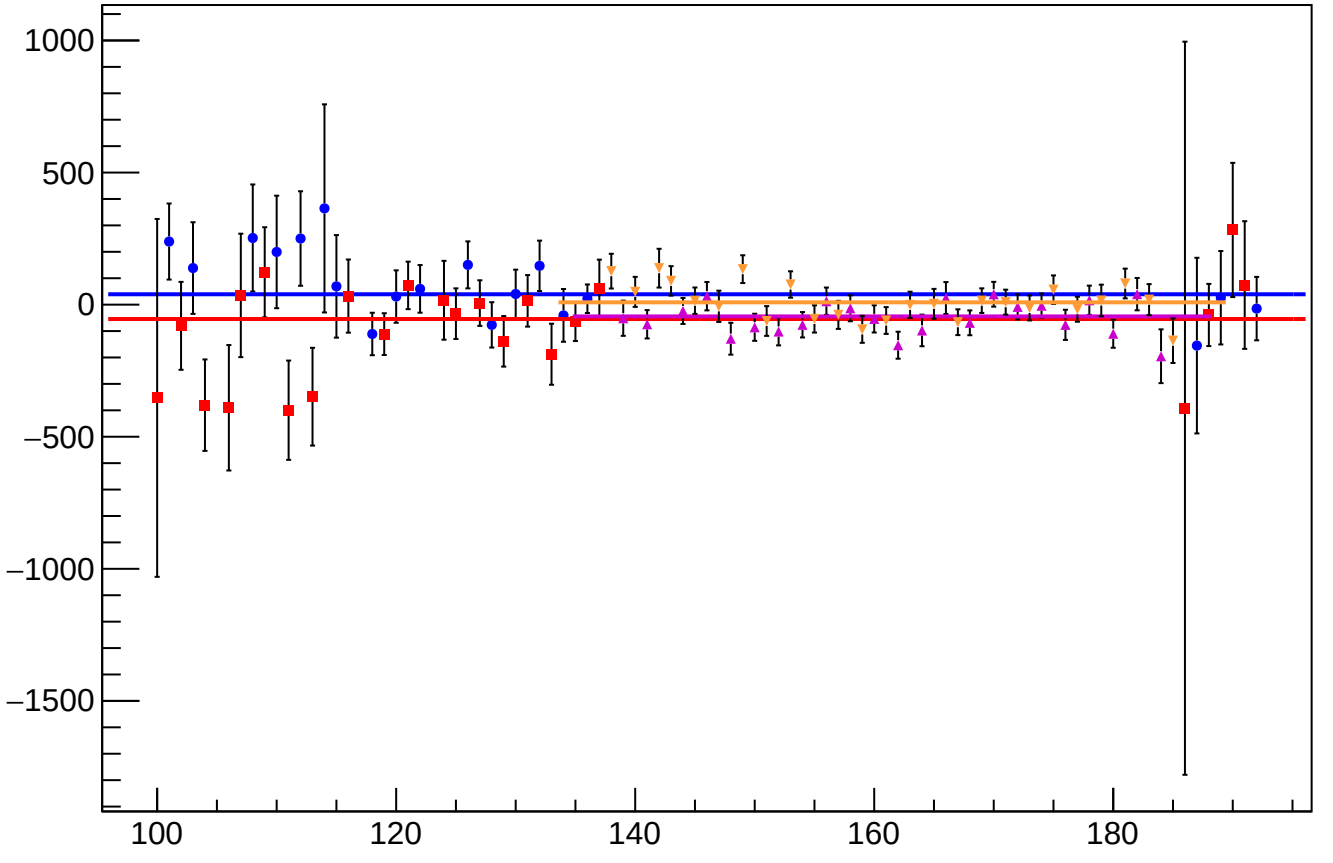
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 272.089+/-0.040 χ^2/NDF: 9218686.0/43

All: 271.979+/-0.028 χ^2/NDF: 19445714.0/89

- sign 271.864+/-0.041 χ^2/NDF: 10227012.3/45

eigen_cor_asym_sam_1526_avg_mean vs Slug



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

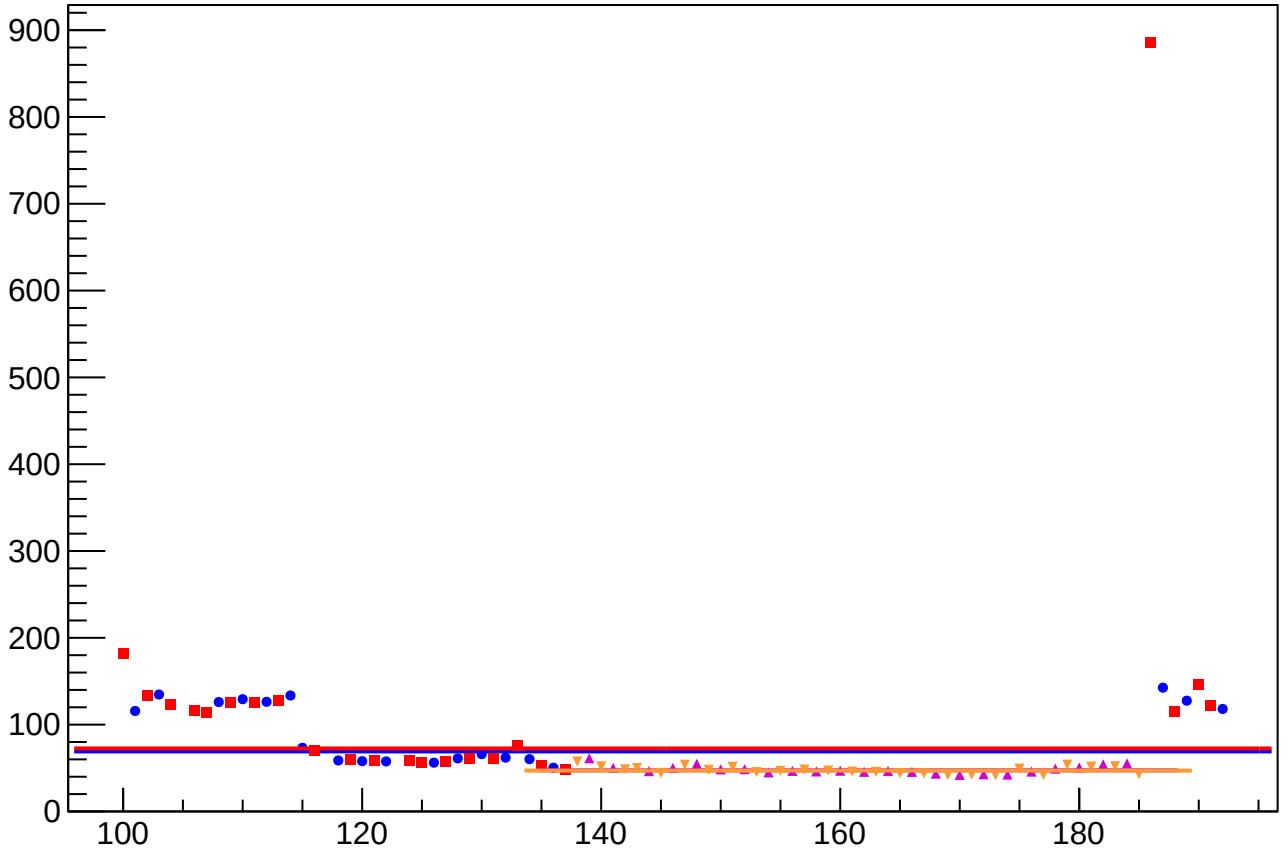
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.575+/-9.884 χ^2/NDF: 51.4/43

All: -15.190+/-7.112 χ^2/NDF: 118.6/89

- sign -46.077+/-10.242 χ^2/NDF: 49.6/45

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 69.153+/-0.018 χ^2/NDF: 2141644.1/18

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

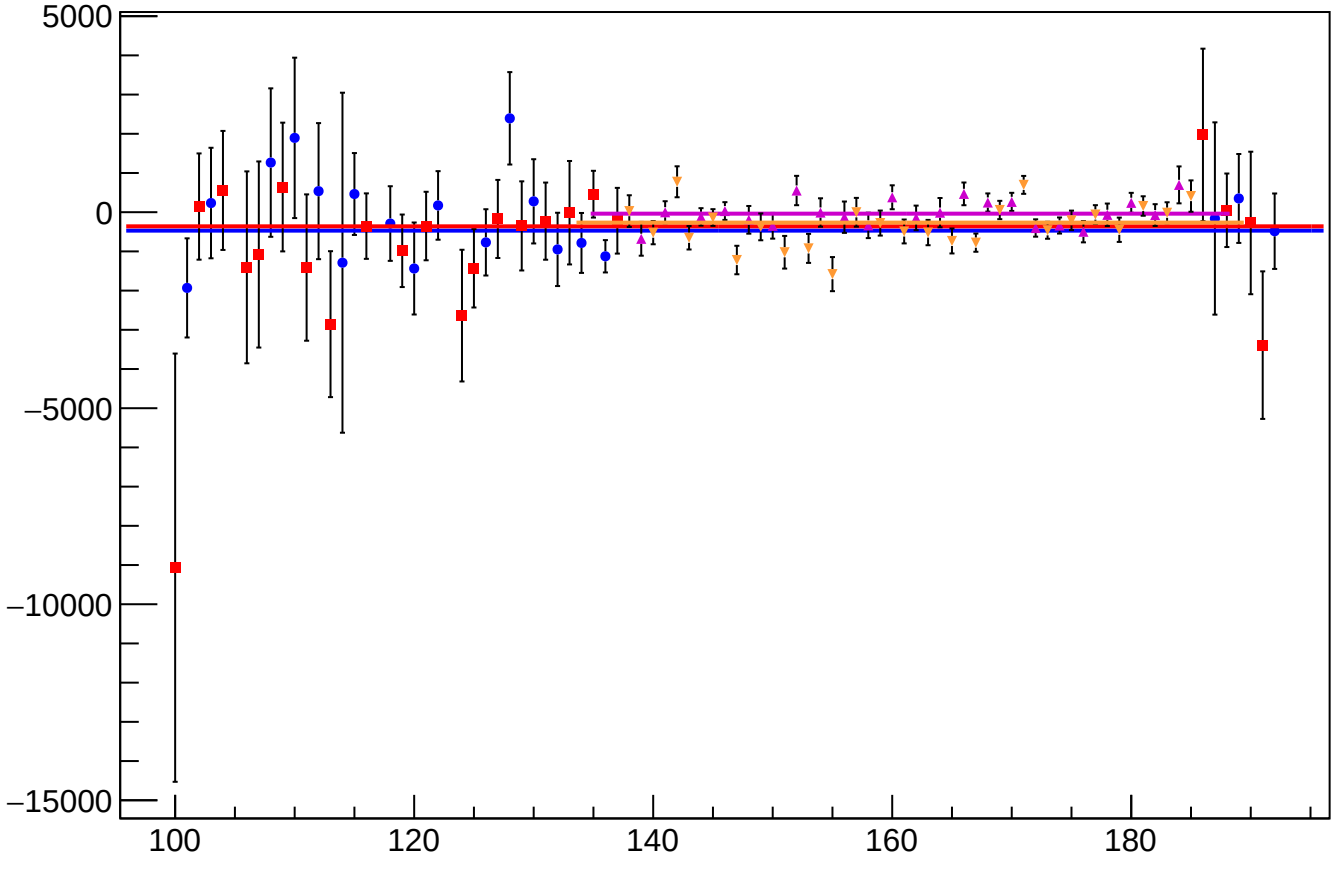
Right Out: 72.574+/-0.018 χ^2/NDF: 2871280.9/22

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.549+/-0.007 χ^2/NDF: 3756647.4/43

All: 50.918+/-0.005 χ^2/NDF: 8498204.4/89

- sign 51.315+/-0.007 χ^2/NDF: 4735767.7/45



Right In: -470.108+/-224.530 χ^2/NDF: 16.2/18

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

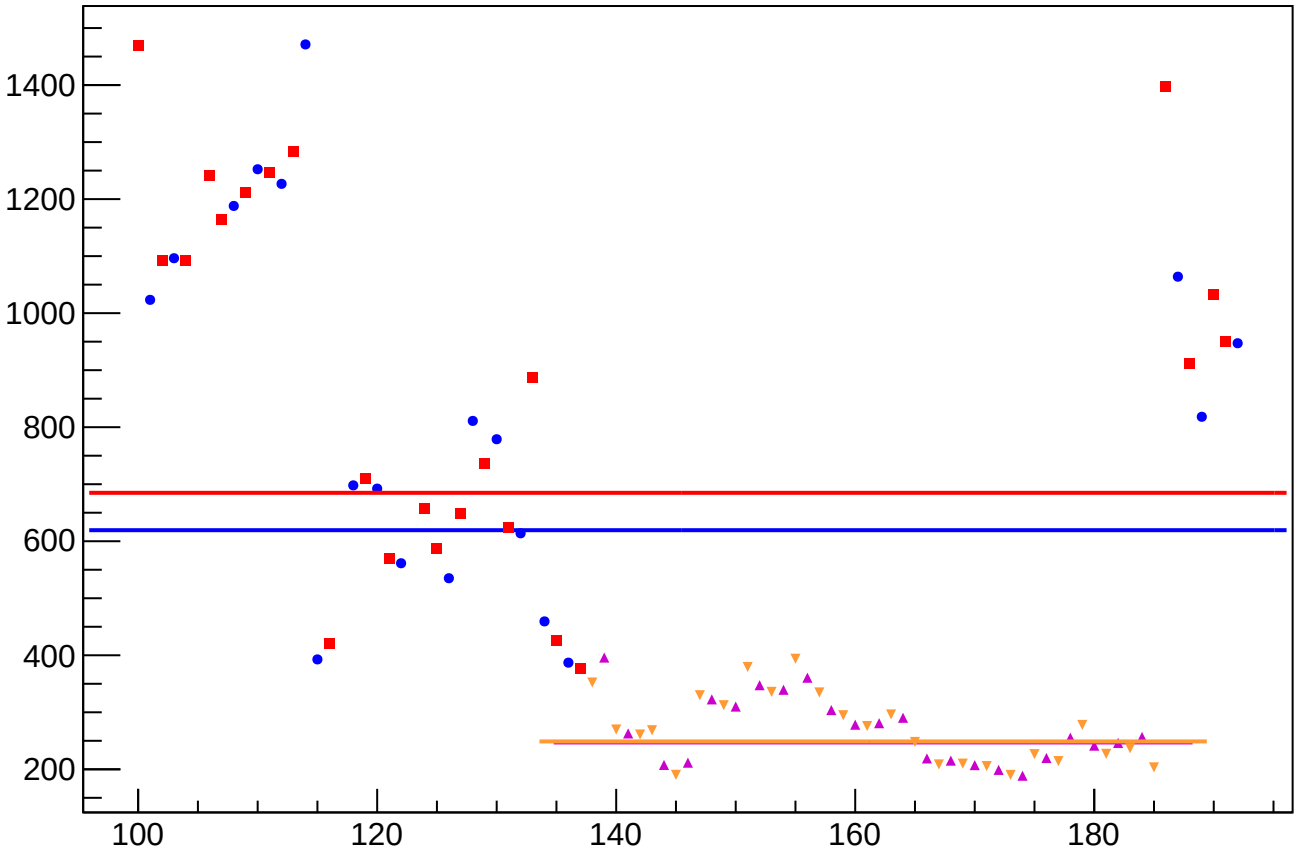
Right Out: -360.594+/-241.653 χ^2/NDF: 15.2/22

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -278.481+/-56.185 χ^2/NDF: 86.8/43

All: -169.641+/-40.173 χ^2/NDF: 137.9/89

- sign -55.794+/-57.463 χ^2/NDF: 43.5/45



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

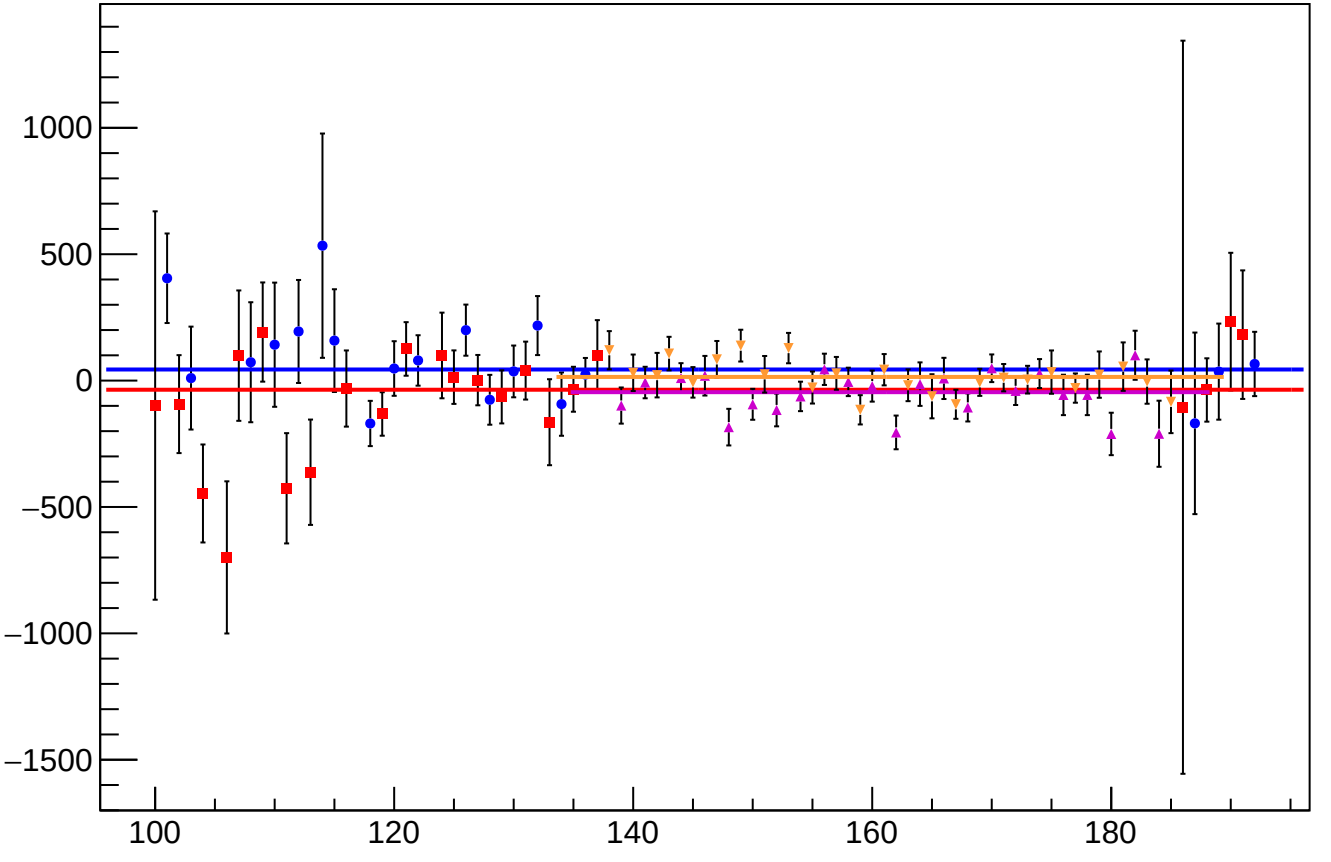
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 272.089+/-0.040 χ^2/NDF: 9218686.0/43

All: 271.979+/-0.028 χ^2/NDF: 19445714.0/89

- sign 271.864+/-0.041 χ^2/NDF: 10227012.3/45

dit_asym_sam_1526_avg_mean vs Slug



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

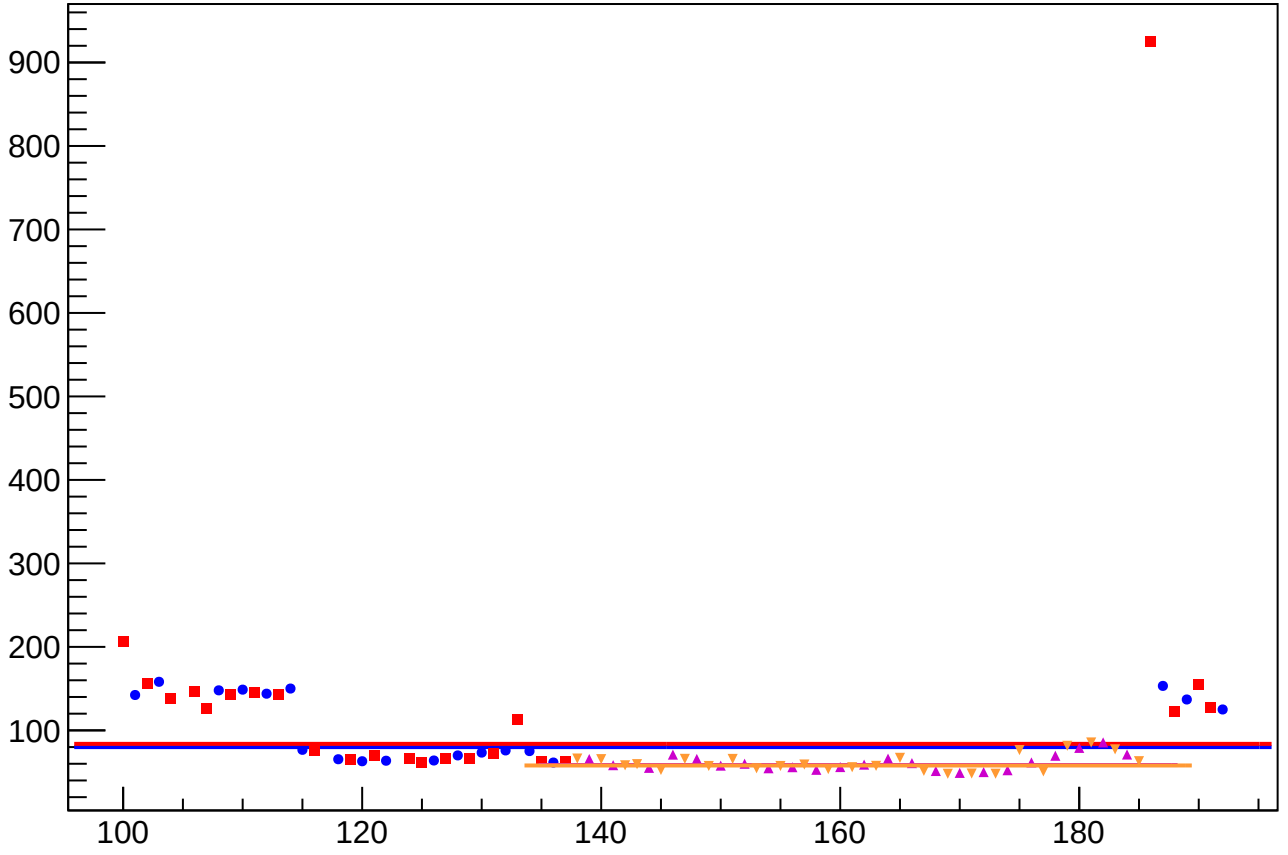
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 19.801+/-12.181 χ^2/NDF: 45.4/43

All: -10.989+/-8.767 χ^2/NDF: 114.5/89

- sign -44.086+/-12.629 χ^2/NDF: 55.9/45

dit_asym_sam_1526_avg_rms vs Slug



Right In: 79.957+/-0.020 χ^2/NDF: 2023640.5/18

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

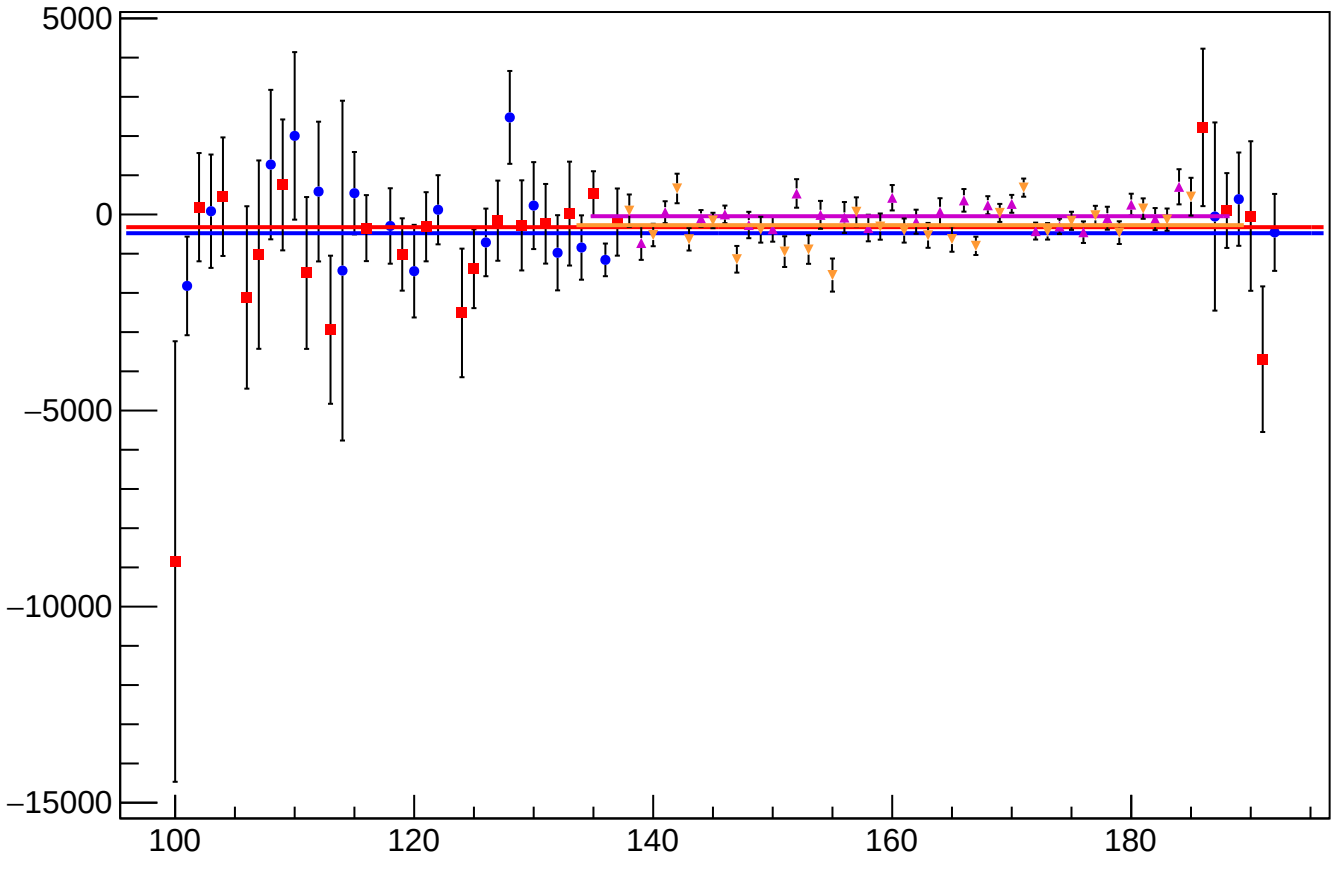
Right Out: 83.834+/-0.021 χ^2/NDF: 2778457.1/22

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 61.930+/-0.009 χ^2/NDF: 3884052.3/43

All: 62.445+/-0.006 χ^2/NDF: 8500317.6/89

- sign 62.997+/-0.009 χ^2/NDF: 4608875.0/45



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

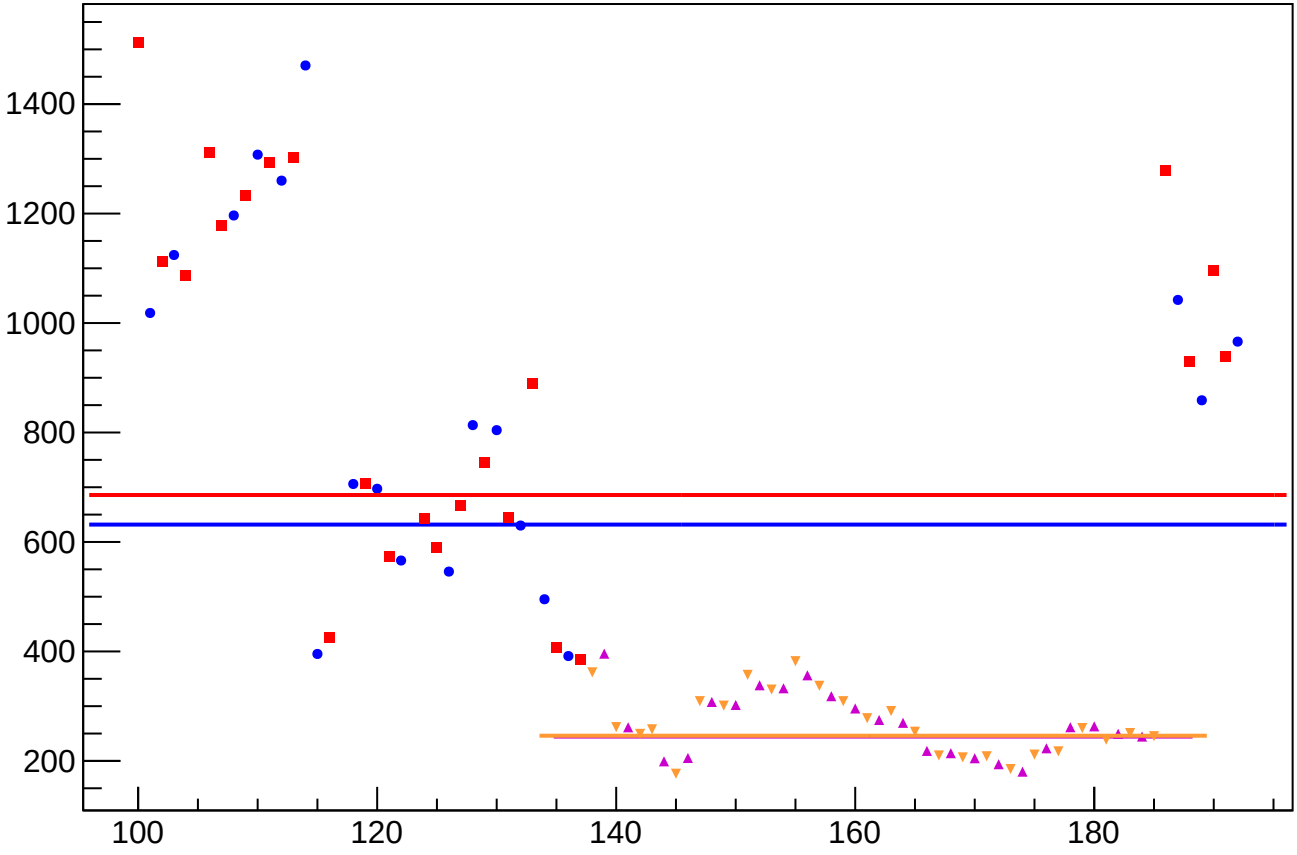
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -284.620+/-55.561 χ^2/NDF: 82.9/43

All: -175.130+/-39.775 χ^2/NDF: 135.7/89

- sign -60.036+/-56.965 χ^2/NDF: 44.8/45

asym_sam_1526_avg_dit_correction_rms vs Slug



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

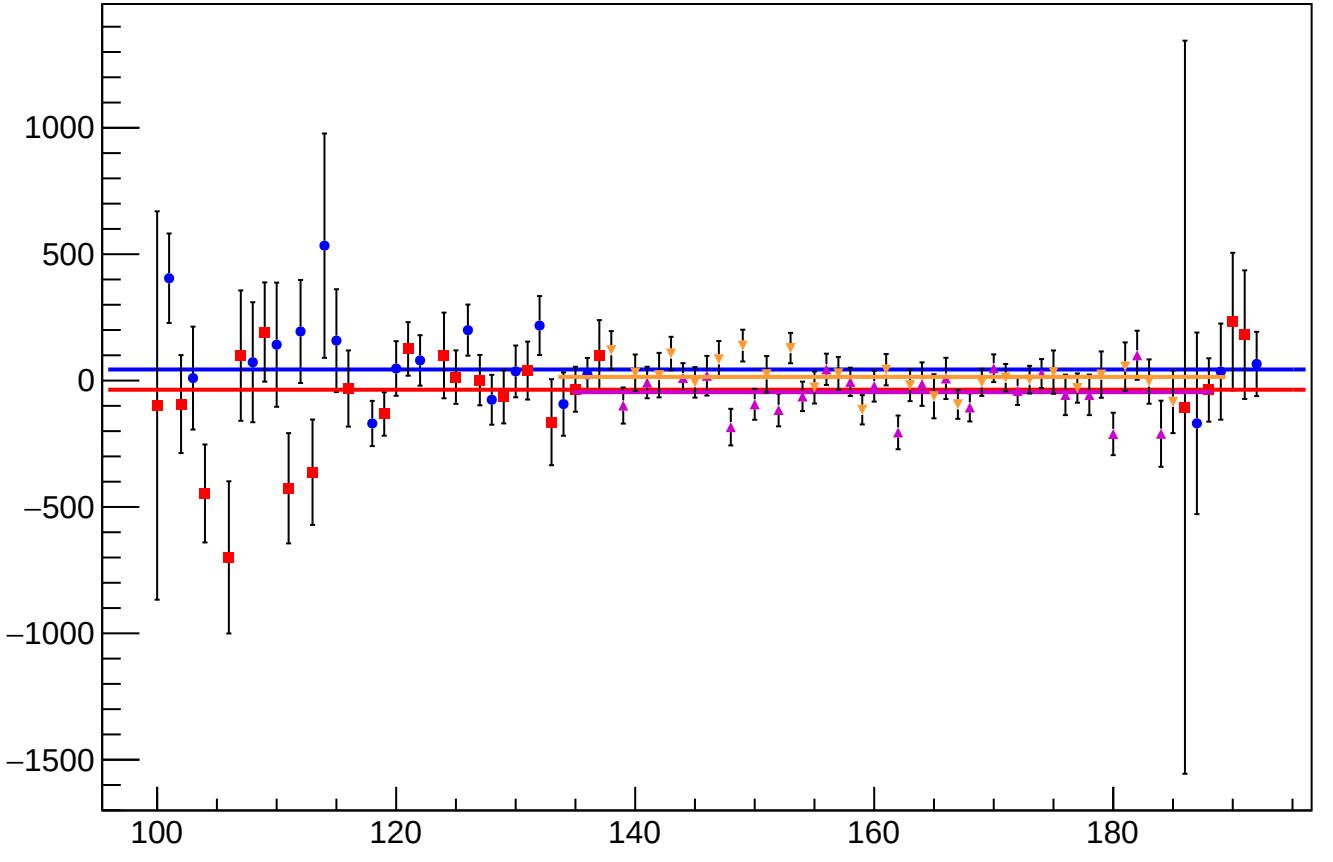
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 268.751+/-0.039 χ^2/NDF: 9477846.4/43

All: 268.841+/-0.028 χ^2/NDF: 20054239.5/89

- sign 268.936+/-0.040 χ^2/NDF: 10576382.2/45

eigen_dit_asym_sam_1526_avg_mean vs Slug



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

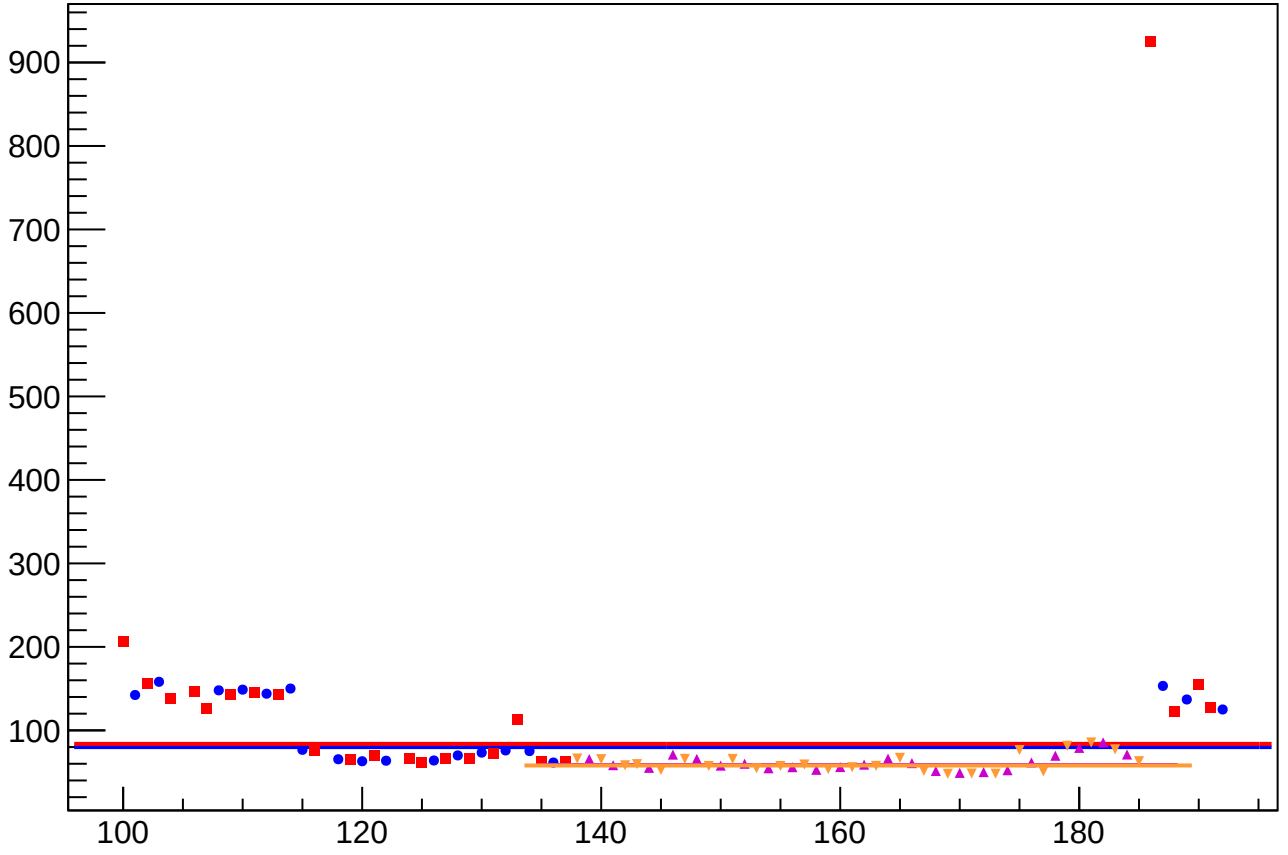
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 19.801+/-12.181 χ^2/NDF: 45.4/43

All: -10.989+/-8.767 χ^2/NDF: 114.5/89

- sign -44.086+/-12.629 χ^2/NDF: 55.9/45

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 79.957+/-0.020 χ^2/NDF: 2023632.2/18

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

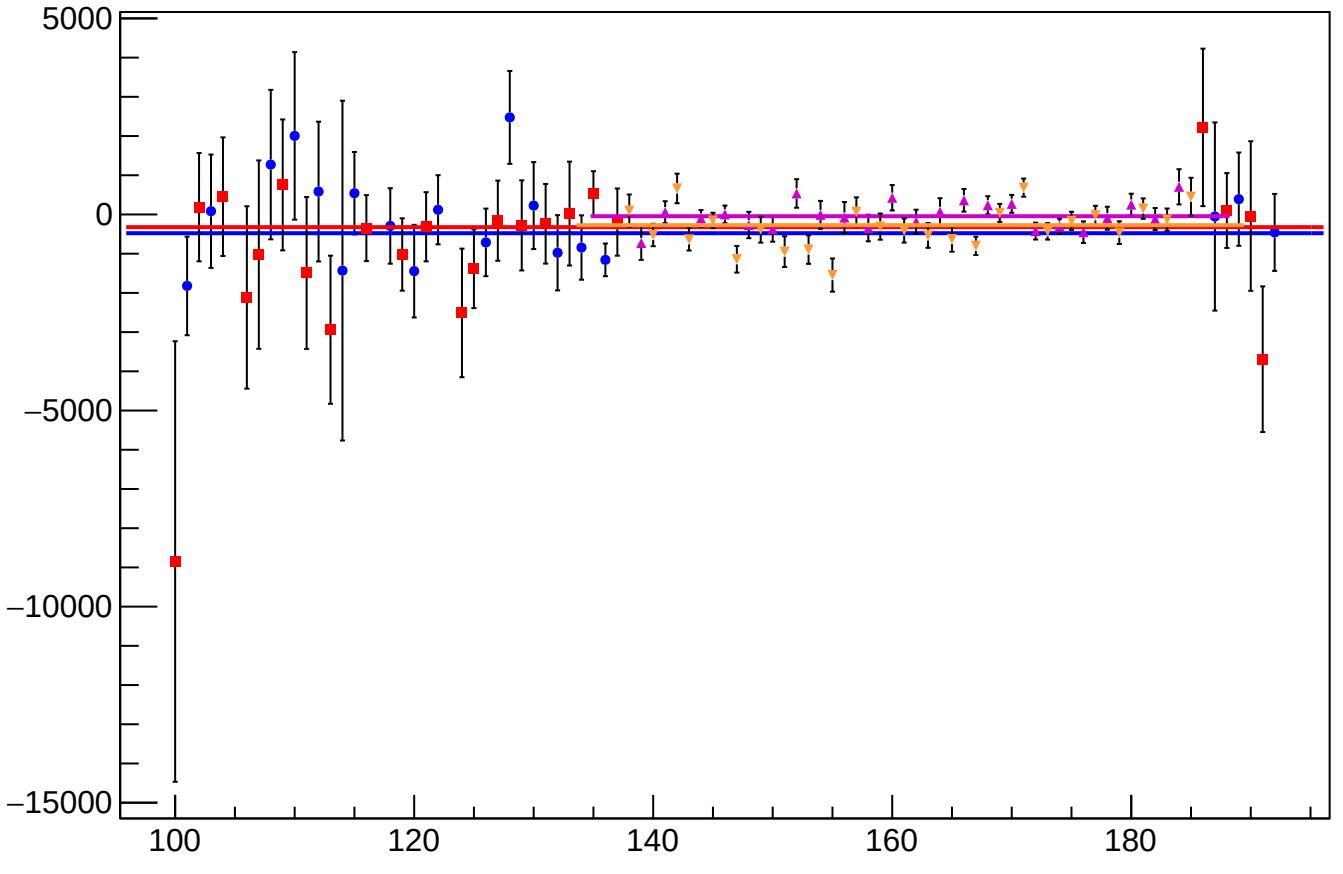
Right Out: 83.834+/-0.021 χ^2/NDF: 2778456.7/22

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 61.931+/-0.009 χ^2/NDF: 3884019.0/43

All: 62.445+/-0.006 χ^2/NDF: 8500239.4/89

- sign 62.997+/-0.009 χ^2/NDF: 4608829.1/45



Right In: -477.938+/-228.865 χ^2/NDF: 16.4/18

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

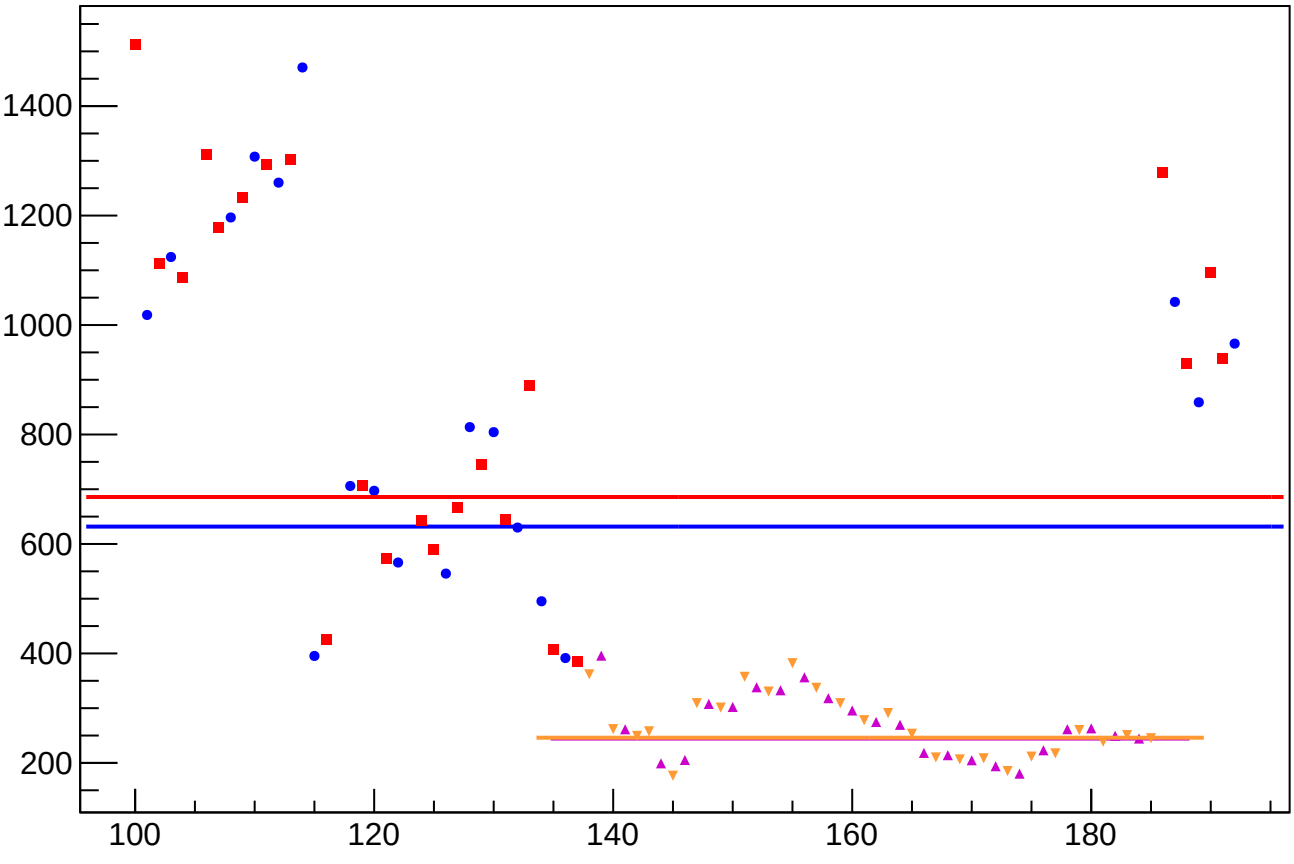
Right Out: -323.618+/-241.844 χ^2/NDF: 17.0/22

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -284.619+/-55.561 χ^2/NDF: 82.9/43

All: -175.130+/-39.775 χ^2/NDF: 135.7/89

- sign -60.035+/-56.965 χ^2/NDF: 44.8/45



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

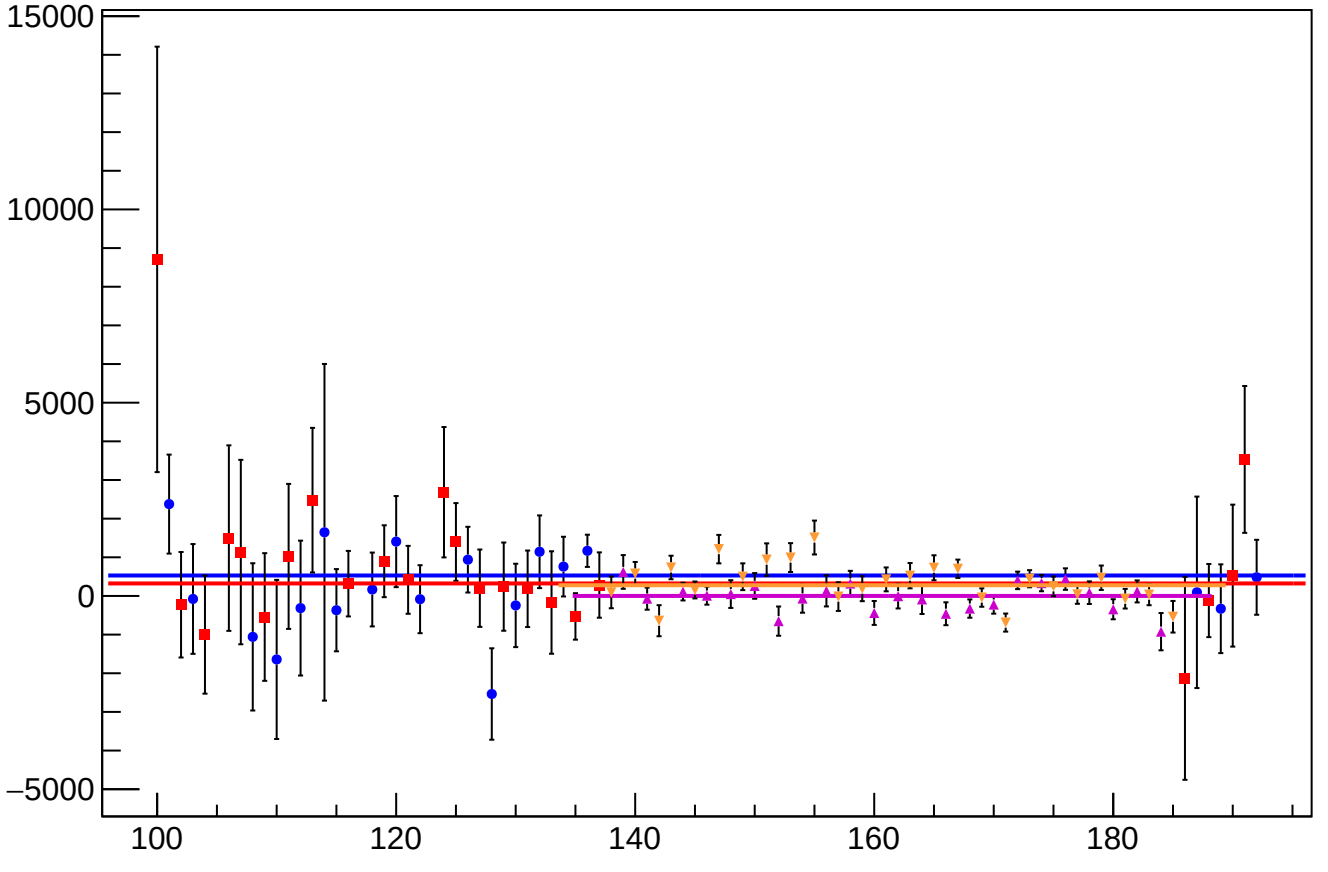
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 268.750+/-0.039 χ^2/NDF: 9477842.1/43

All: 268.841+/-0.028 χ^2/NDF: 20054215.9/89

- sign 268.936+/-0.040 χ^2/NDF: 10576362.9/45

asym_sam_1526_avg_mean vs Slug



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

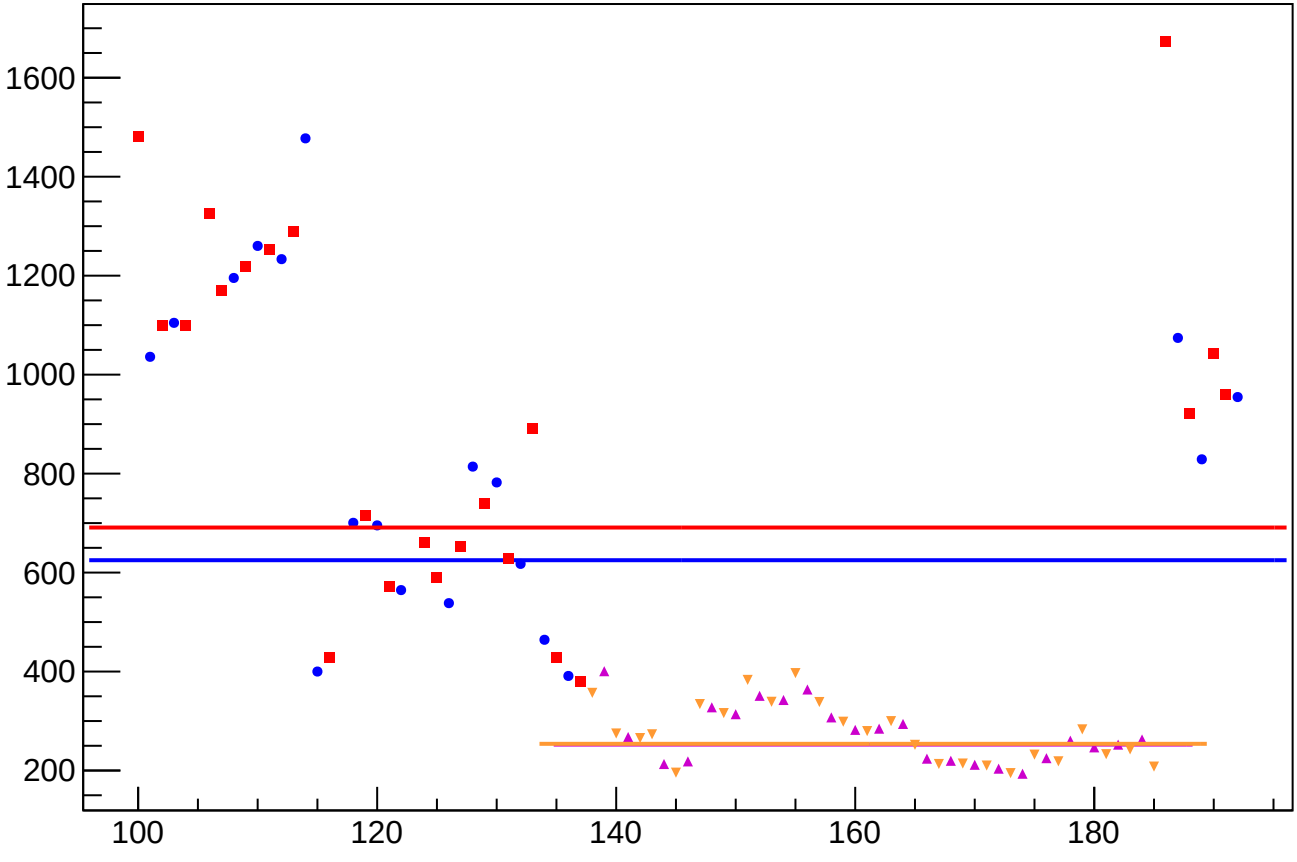
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 293.188+/-57.228 χ^2/NDF: 82.4/43

All: 159.412+/-40.938 χ^2/NDF: 138.4/89

- sign 19.209+/-58.587 χ^2/NDF: 44.8/45

asym_sam_1526_avg_rms vs Slug



Right In: 624.996+/-0.160 χ^2/NDF: 2433986.4/18

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

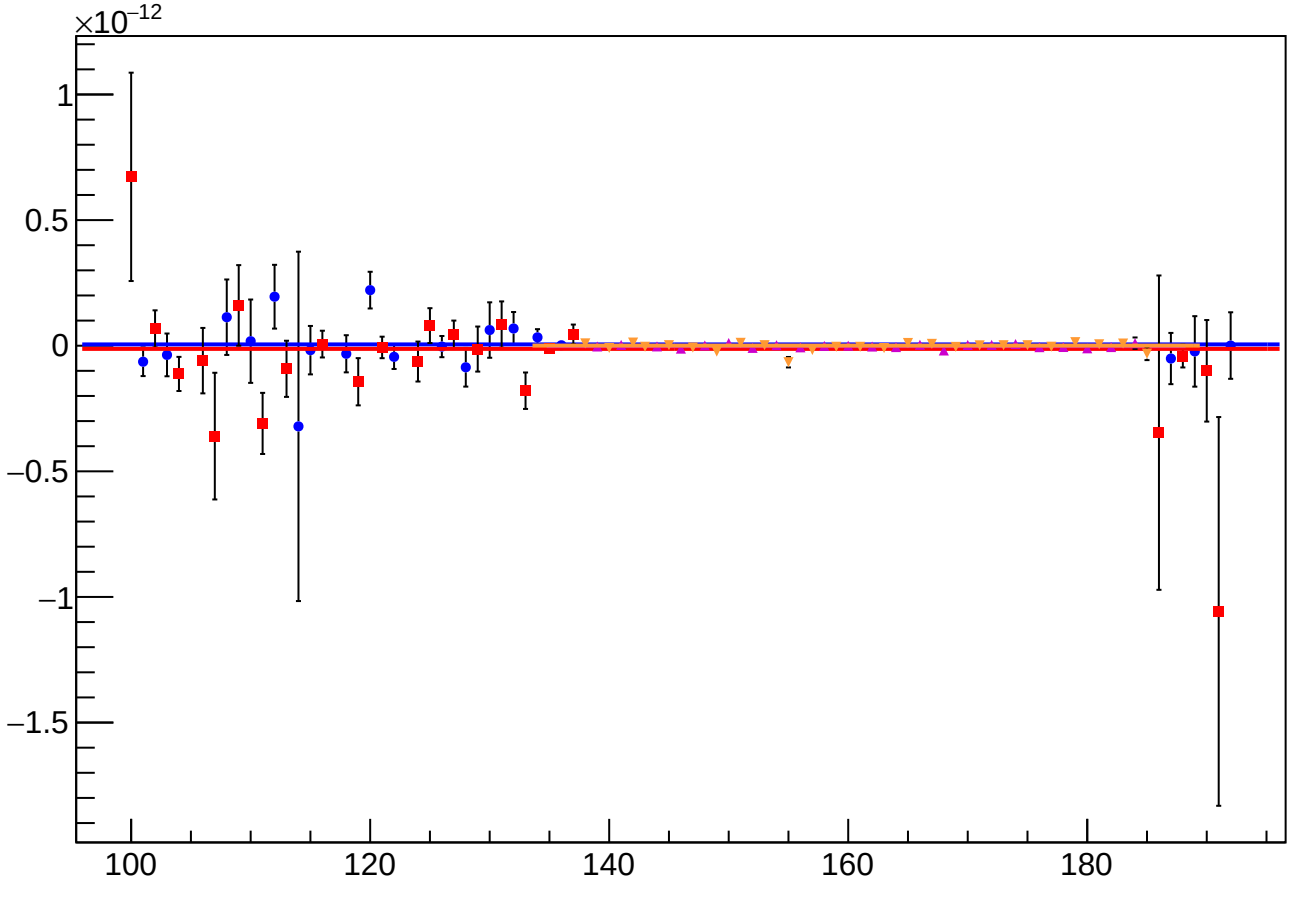
Right Out: 691.028+/-0.172 χ^2/NDF: 2646182.0/22

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 277.653+/-0.040 χ^2/NDF: 9051777.9/43

All: 277.691+/-0.029 χ^2/NDF: 19212688.3/89

- sign 277.731+/-0.041 χ^2/NDF: 10160908.7/45



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

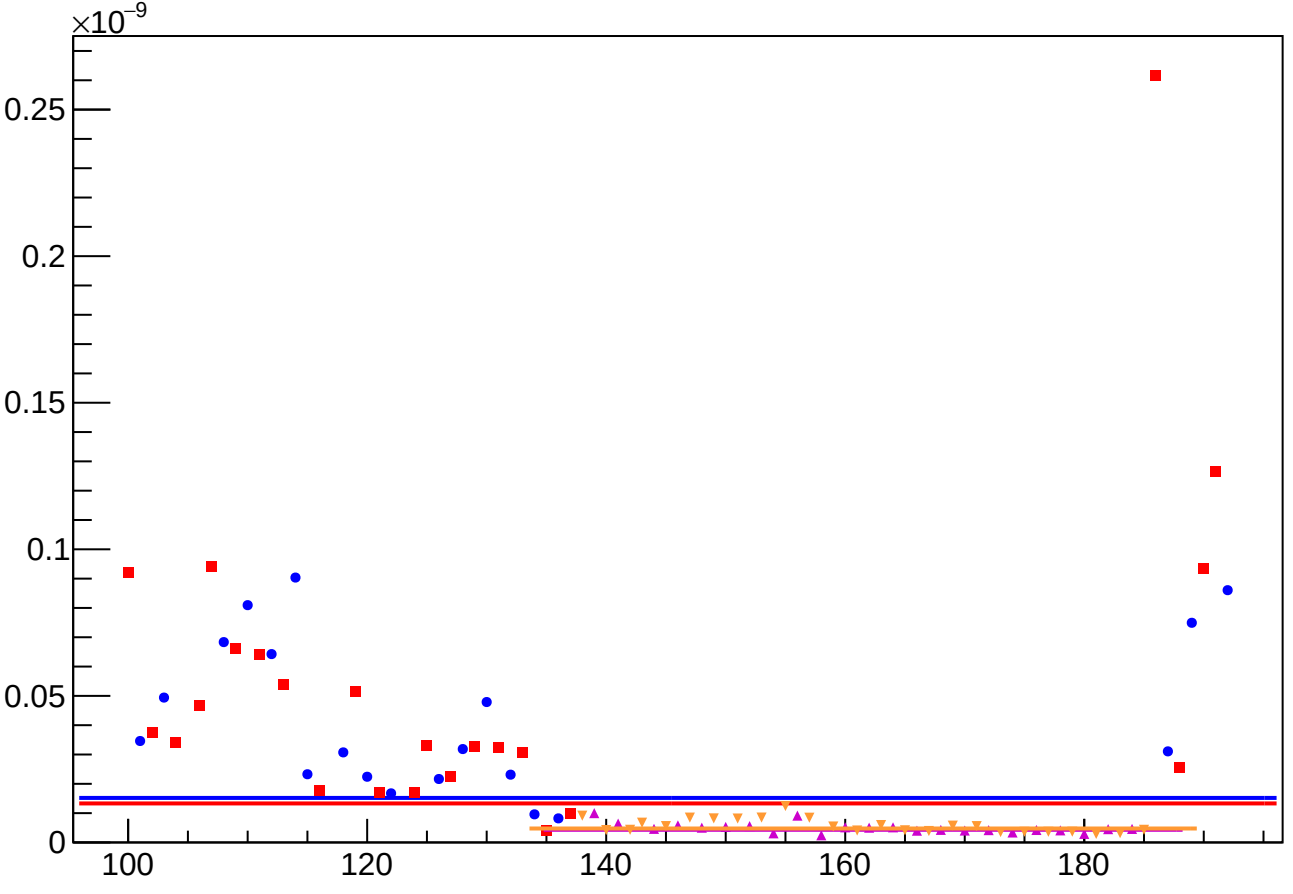
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/43

All: -0.000+/-0.000 χ^2/NDF: 94.0/89

- sign -0.000+/-0.000 χ^2/NDF: 47.2/45

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3493973.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

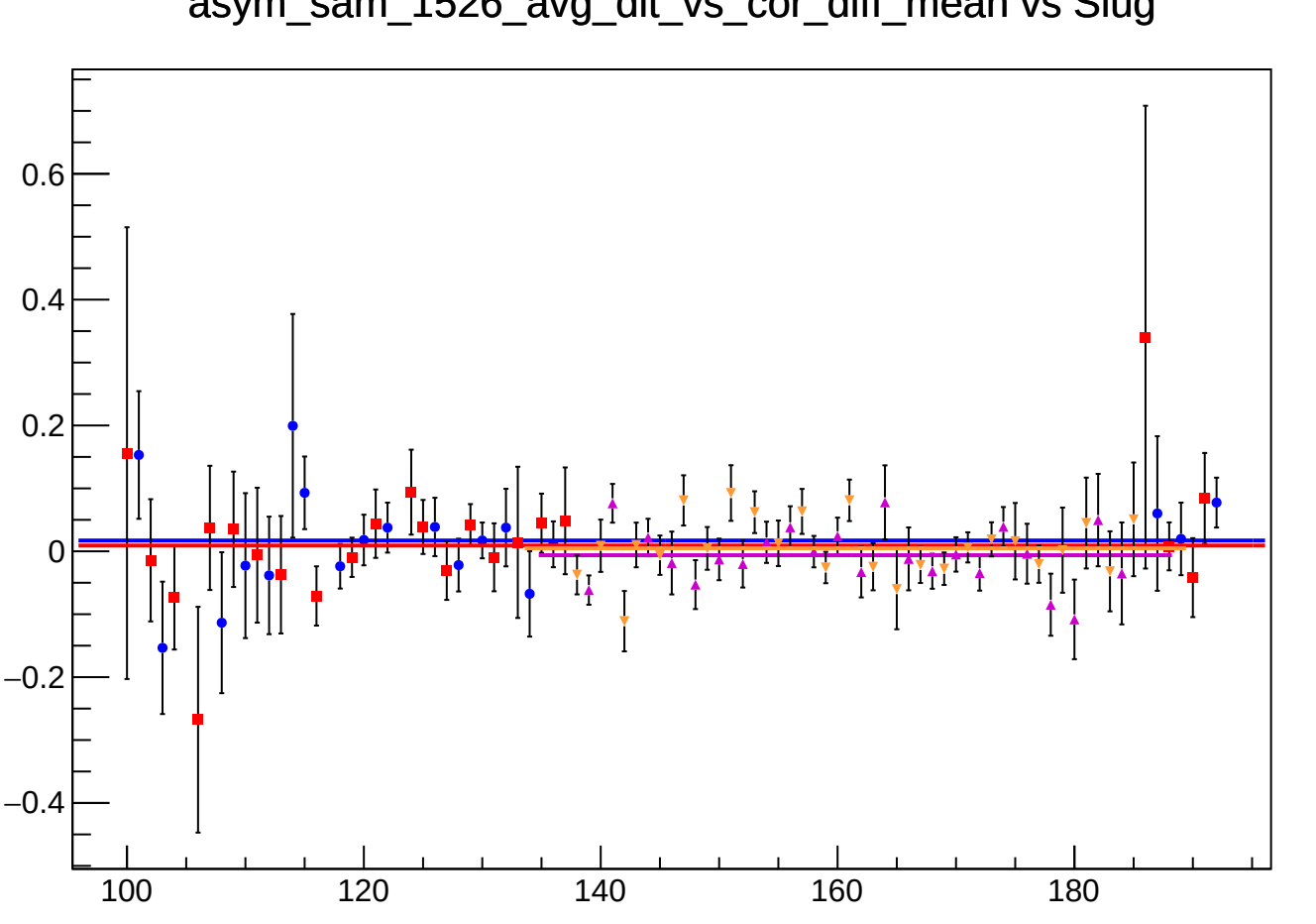
Right Out: 0.000+/-0.000 χ^2/NDF: 4304538.3/22

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7051886.2/43

All: 0.000+/-0.000 χ^2/NDF: 13899485.2/89

- sign 0.000+/-0.000 χ^2/NDF: 6776732.8/45



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

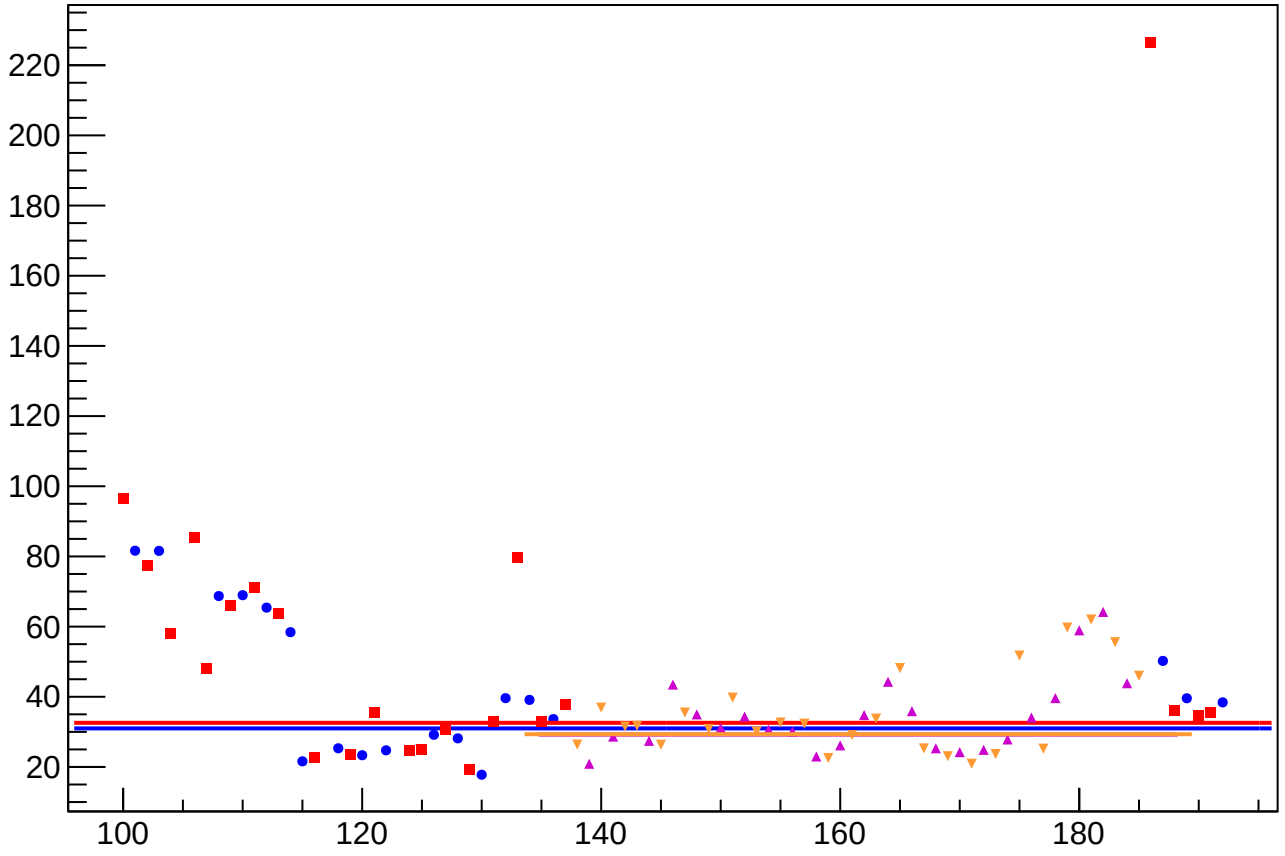
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.008+/-0.006 χ^2/NDF: 50.6/43

All: 0.003+/-0.004 χ^2/NDF: 99.2/89

- sign -0.002+/-0.006 χ^2/NDF: 47.2/45

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 30.988+/-0.008 χ^2/NDF: 2635271.9/18

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

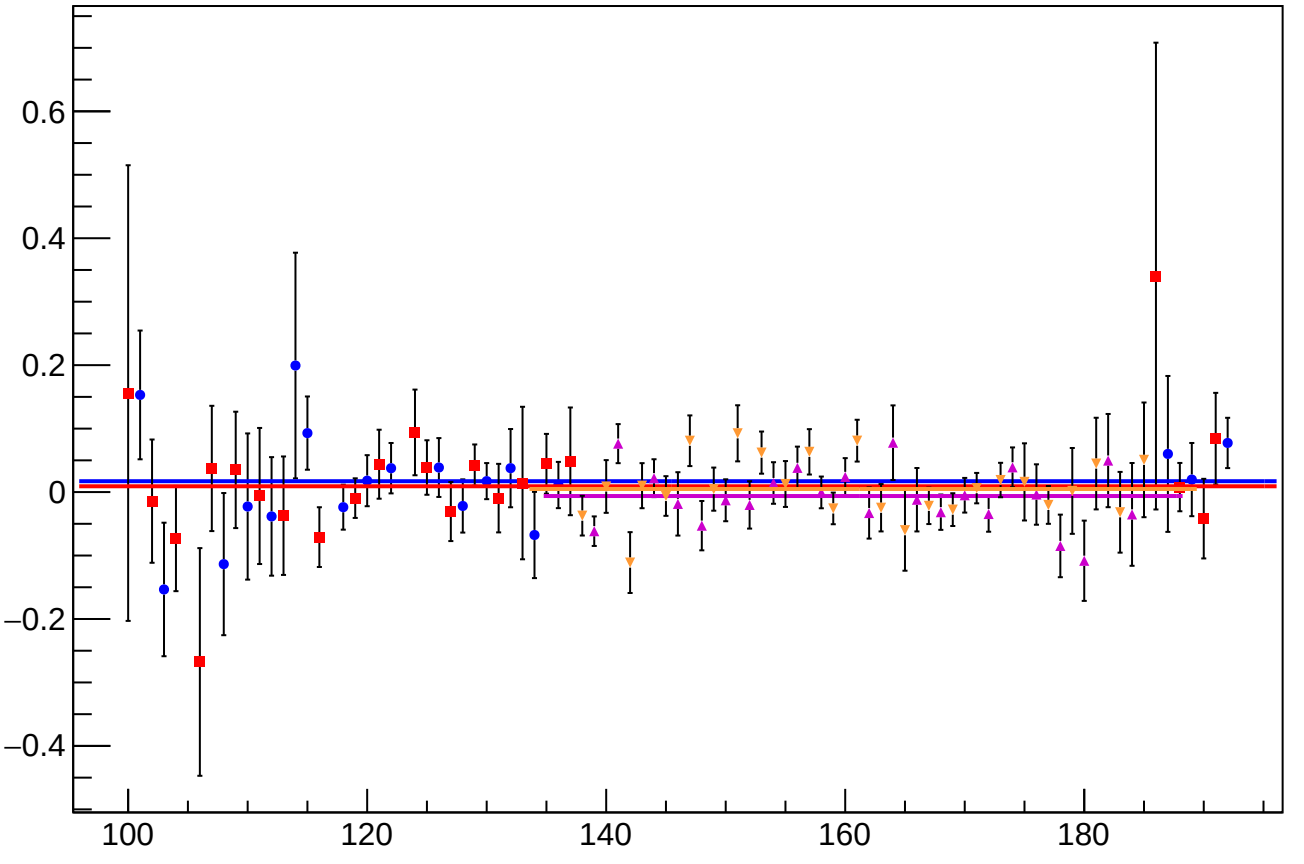
Right Out: 32.579+/-0.009 χ^2/NDF: 3238142.0/22

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.784+/-0.004 χ^2/NDF: 5351624.6/43

All: 29.946+/-0.003 χ^2/NDF: 10803427.6/89

- sign 30.116+/-0.004 χ^2/NDF: 5448894.0/45



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

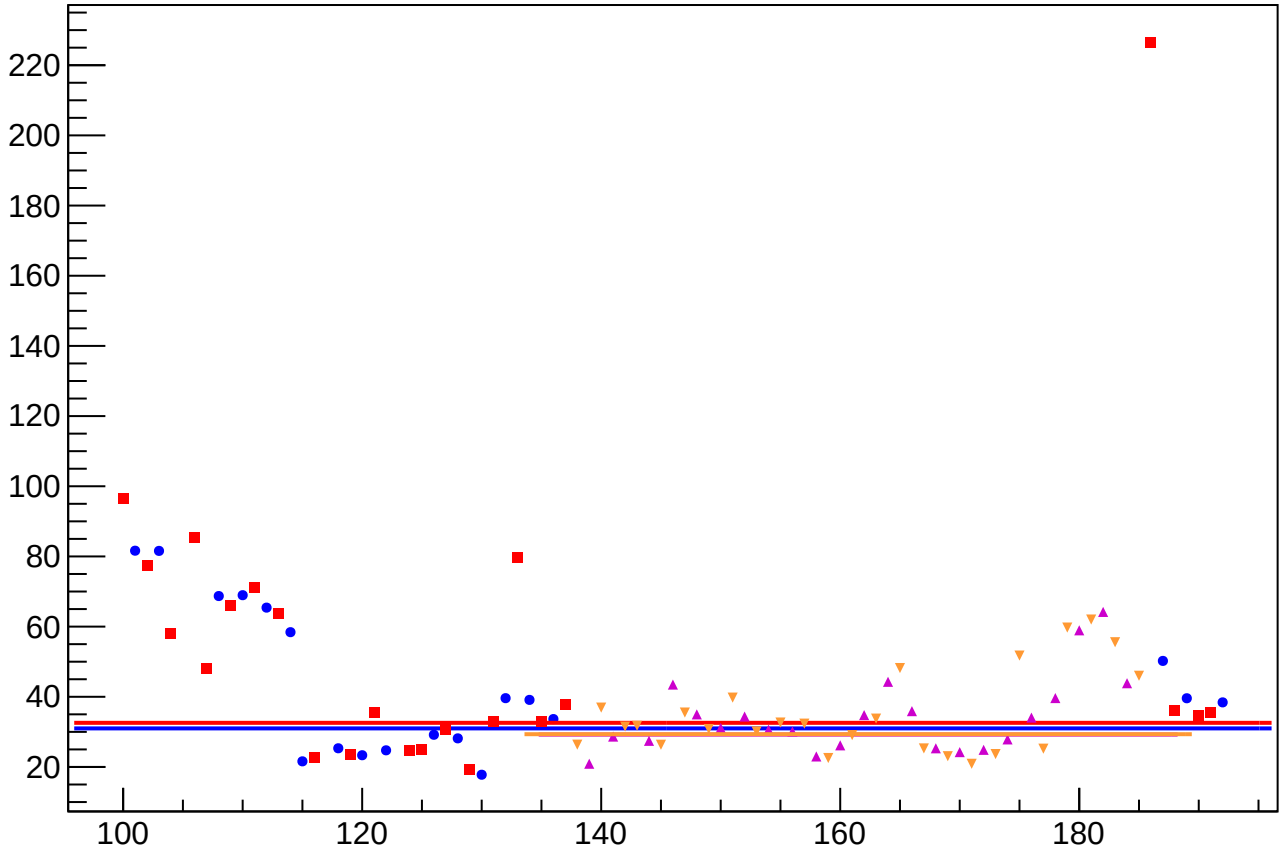
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.008+/-0.006 χ^2/NDF: 50.6/43

All: 0.003+/-0.004 χ^2/NDF: 99.2/89

- sign -0.002+/-0.006 χ^2/NDF: 47.2/45

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.988+/-0.008 χ^2/NDF: 2635271.9/18

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

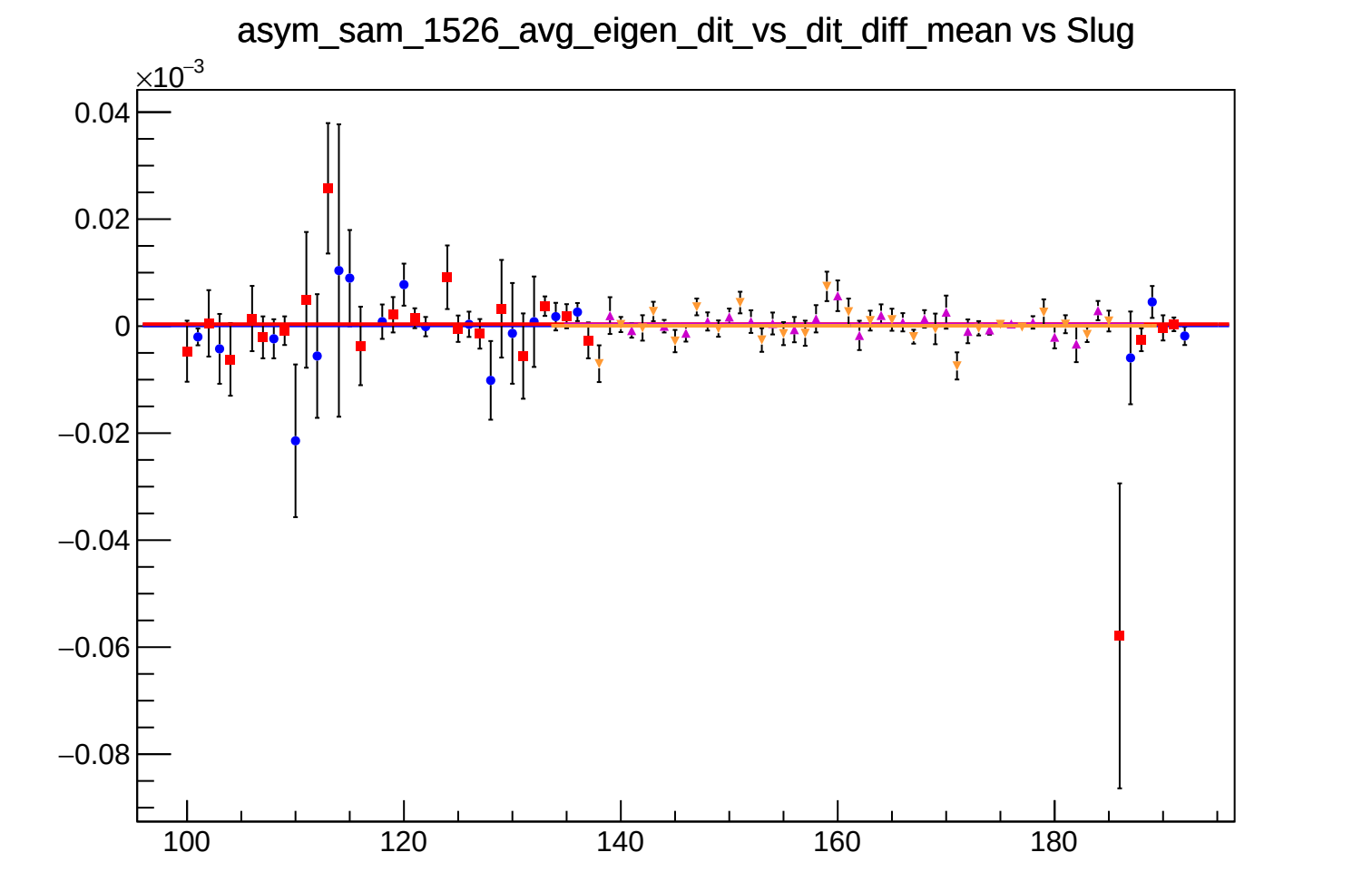
Right Out: 32.579+/-0.009 χ^2/NDF: 3238142.0/22

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

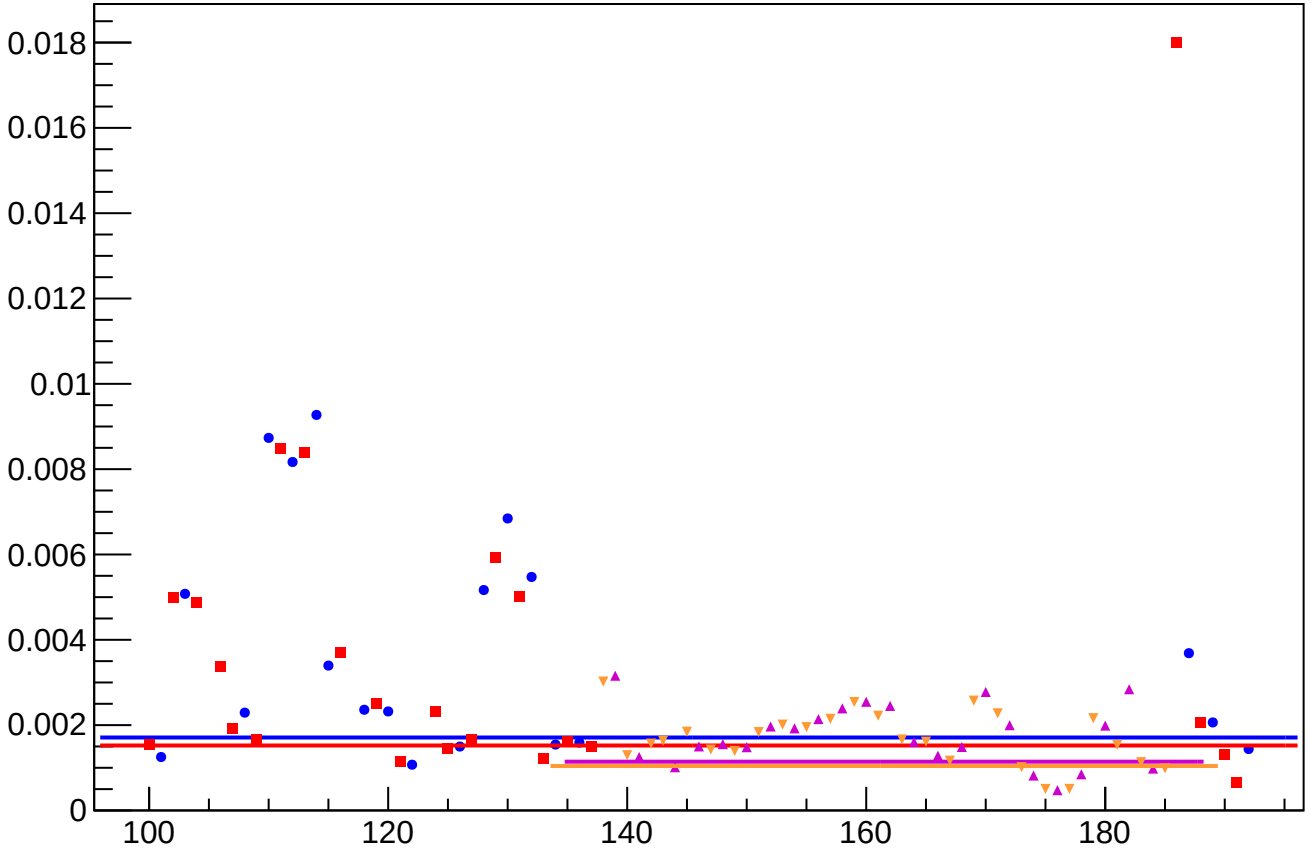
+ sign 29.784+/-0.004 χ^2/NDF: 5351624.6/43

All: 29.946+/-0.003 χ^2/NDF: 10803427.6/89

- sign 30.116+/-0.004 χ^2/NDF: 5448894.0/45


asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
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: 18.8/18
Left Out: 0.000+/-0.000 χ²/NDF:43.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 21.9/22
Left In: 0.000+/-0.000 χ²/NDF:15.5/22
+ sign 0.000+/-0.000 χ²/NDF: 62.6/43
All: 0.000+/-0.000 χ²/NDF: 100.4/89
- sign 0.000+/-0.000 χ²/NDF: 37.4/45

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4115826.8/18

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

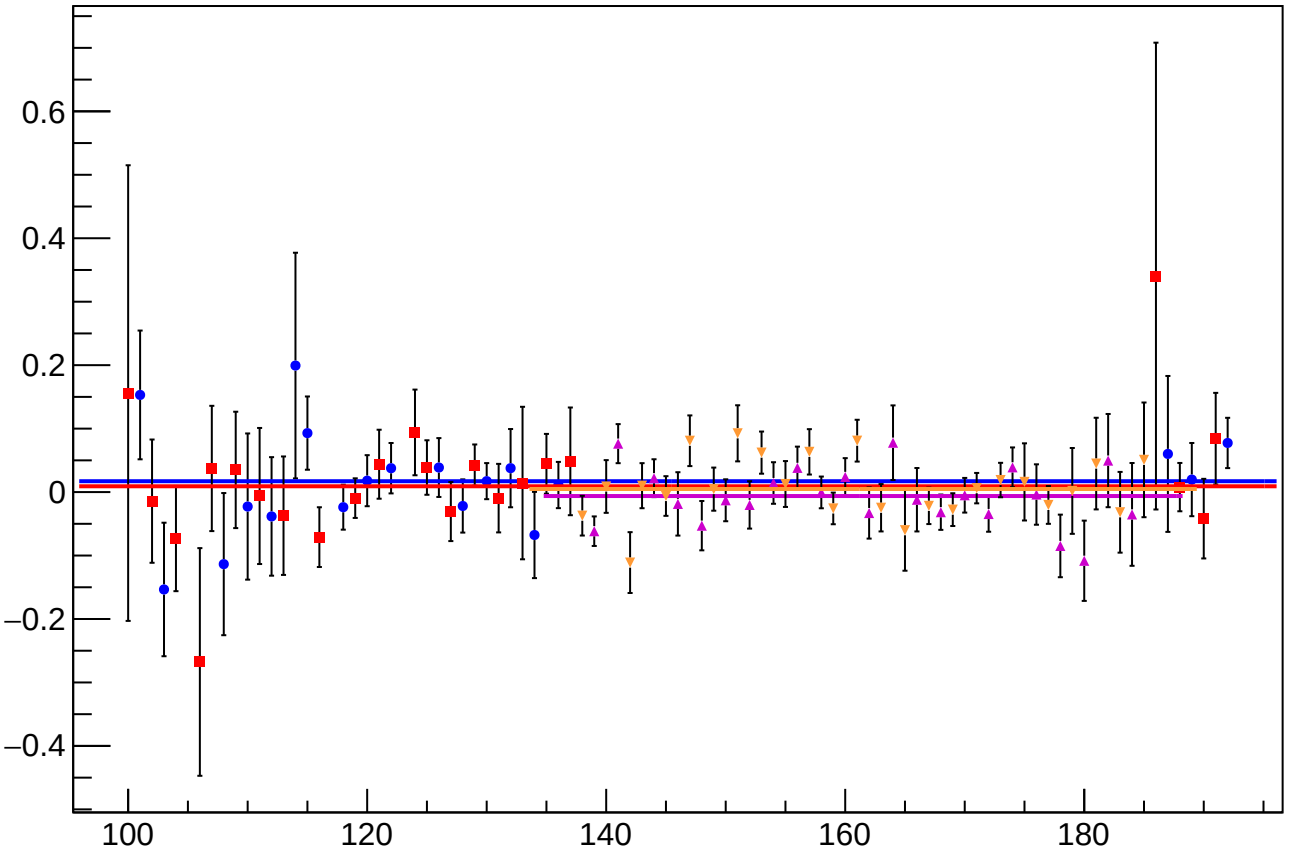
Right Out: 0.002+/-0.000 χ^2/NDF: 5698987.4/22

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 15619714.9/43

All: 0.001+/-0.000 χ^2/NDF: 30316136.0/89

- sign 0.001+/-0.000 χ^2/NDF: 14601919.7/45



Right In: 0.017+/-0.012 χ^2/NDF: 15.9/18

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

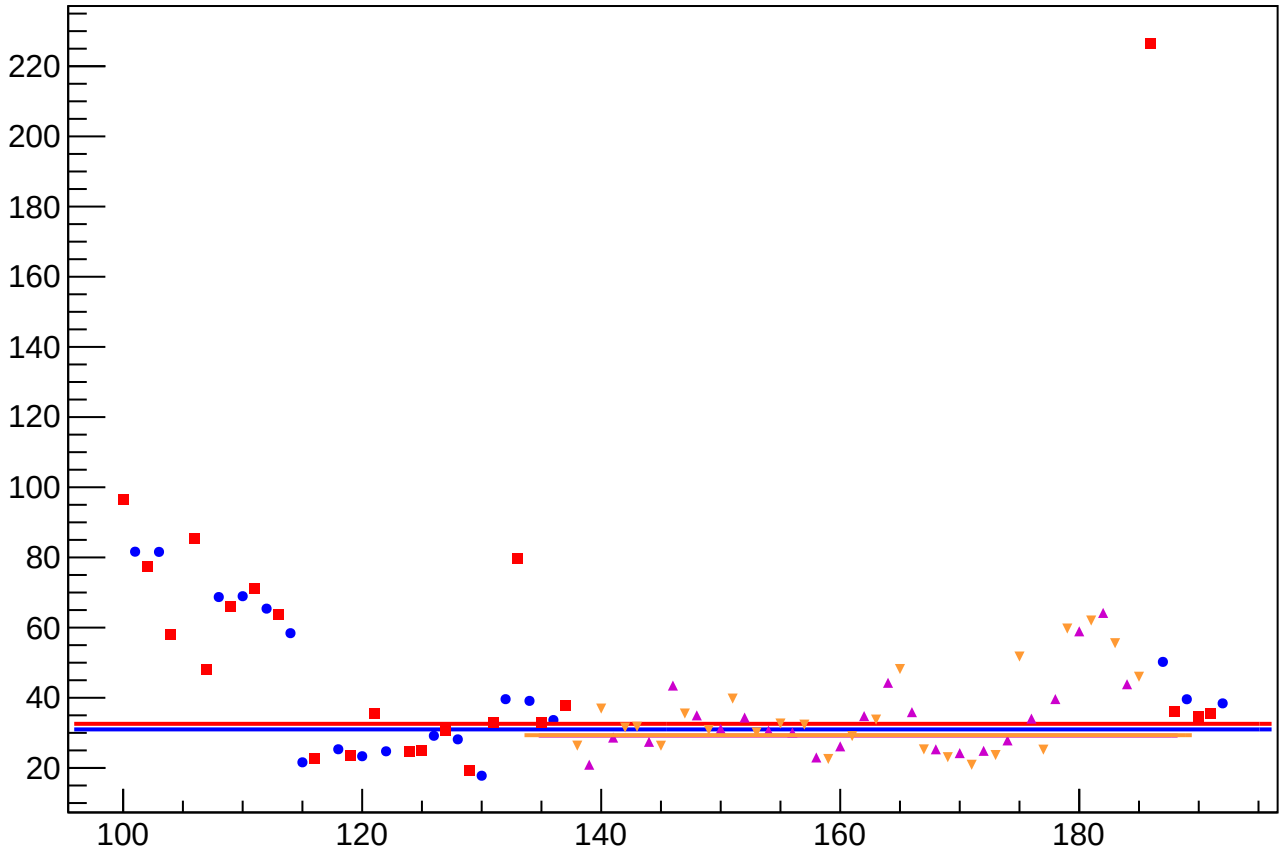
Right Out: 0.009+/-0.012 χ^2/NDF: 15.0/22

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.008+/-0.006 χ^2/NDF: 50.6/43

All: 0.003+/-0.004 χ^2/NDF: 99.2/89

- sign -0.002+/-0.006 χ^2/NDF: 47.2/45



Right In: 30.987+/-0.008 χ^2/NDF: 2635527.0/18

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

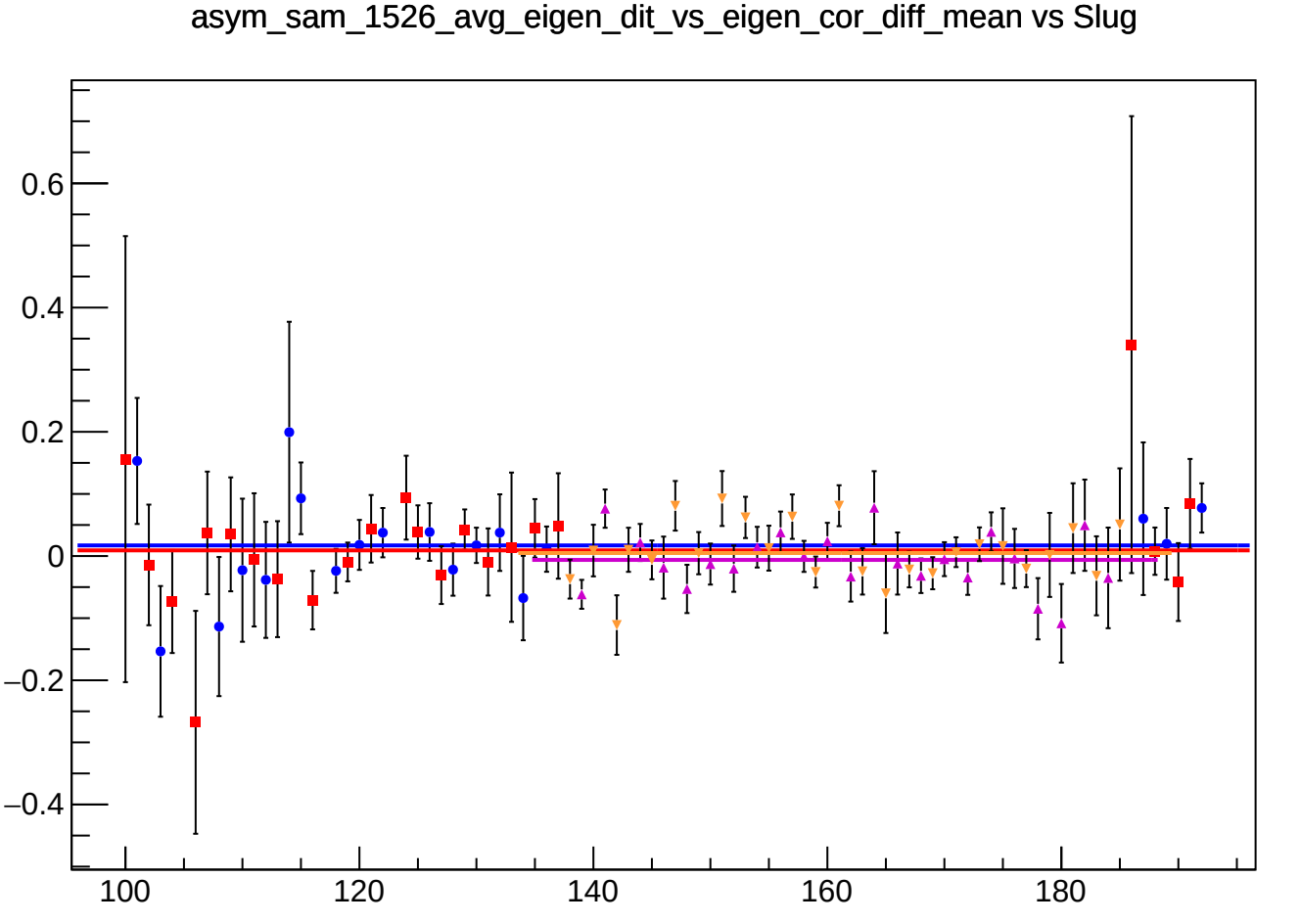
Right Out: 32.578+/-0.009 χ^2/NDF: 3238342.0/22

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.784+/-0.004 χ^2/NDF: 5351874.8/43

All: 29.946+/-0.003 χ^2/NDF: 10803750.7/89

- sign 30.116+/-0.004 χ^2/NDF: 5448963.1/45



Right In: 0.017+/-0.012 χ^2/NDF: 15.9/18

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

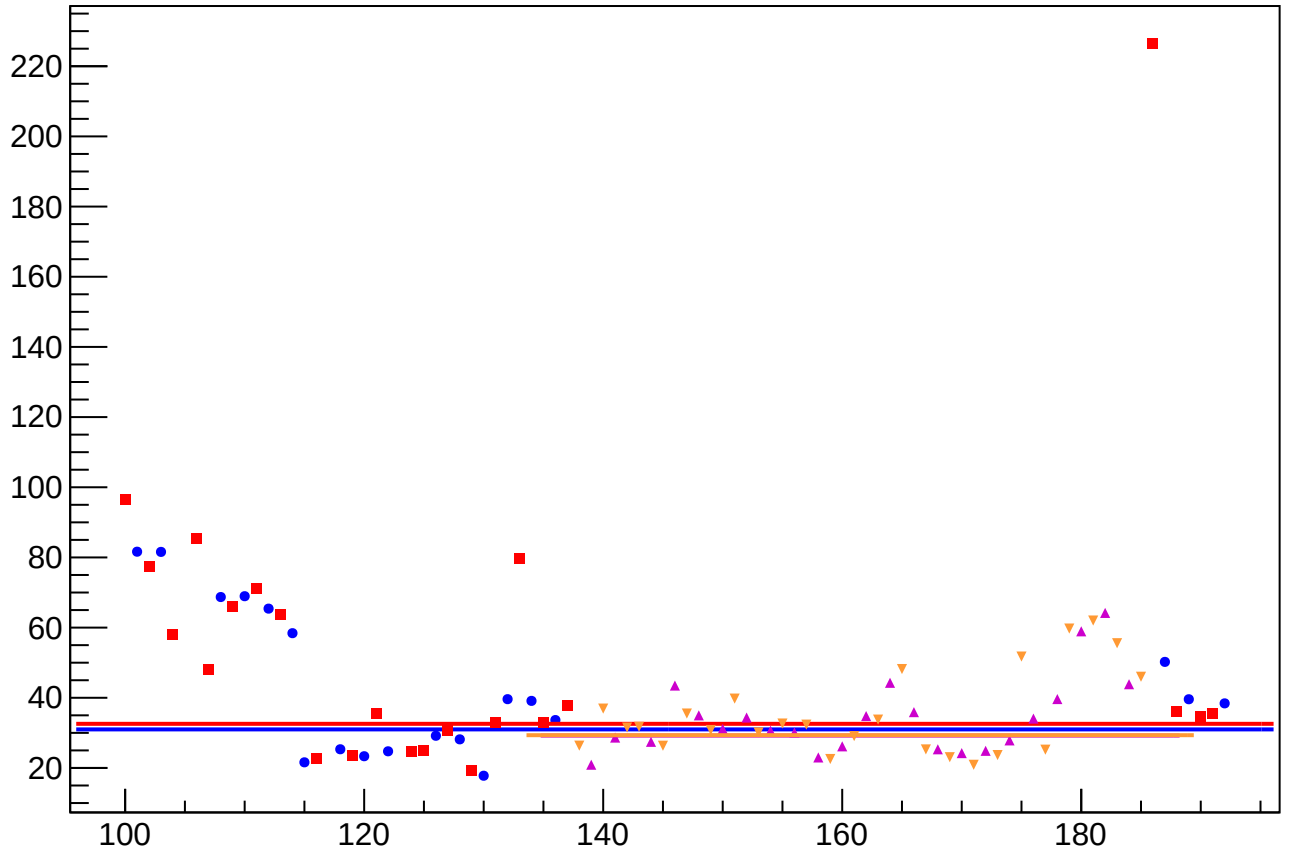
Right Out: 0.009+/-0.012 χ^2/NDF: 15.0/22

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.008+/-0.006 χ^2/NDF: 50.6/43

All: 0.003+/-0.004 χ^2/NDF: 99.2/89

- sign -0.002+/-0.006 χ^2/NDF: 47.2/45



Right In: 30.987+/-0.008 χ^2/NDF: 2635527.0/18

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

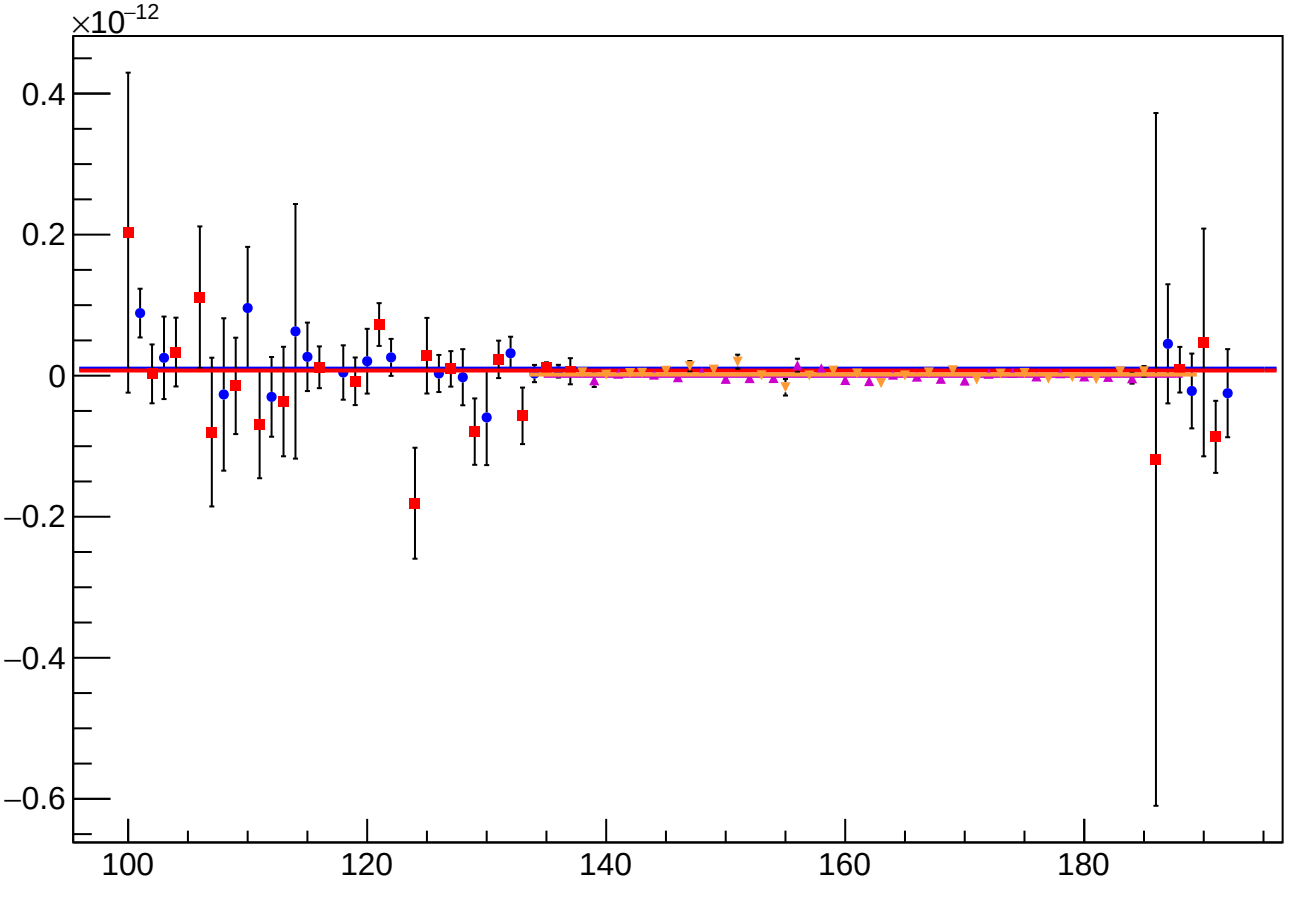
Right Out: 32.578+/-0.009 χ^2/NDF: 3238342.0/22

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.784+/-0.004 χ^2/NDF: 5351874.8/43

All: 29.946+/-0.003 χ^2/NDF: 10803750.7/89

- sign 30.116+/-0.004 χ^2/NDF: 5448963.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 10.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

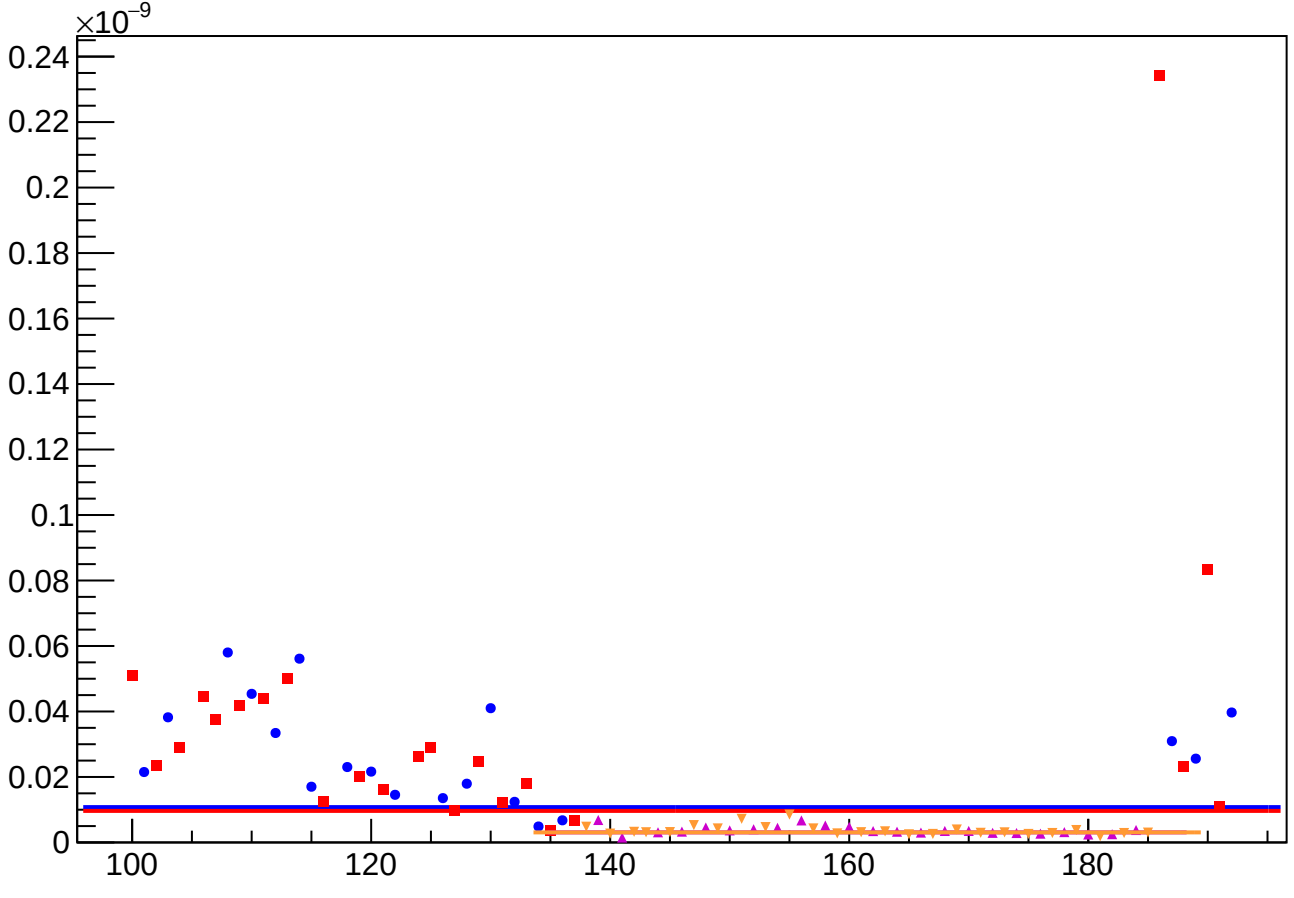
Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/22

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.9/43

All: 0.000+/-0.000 χ^2/NDF: 94.9/89

- sign -0.000+/-0.000 χ^2/NDF: 45.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 4226437.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5716681.2/22

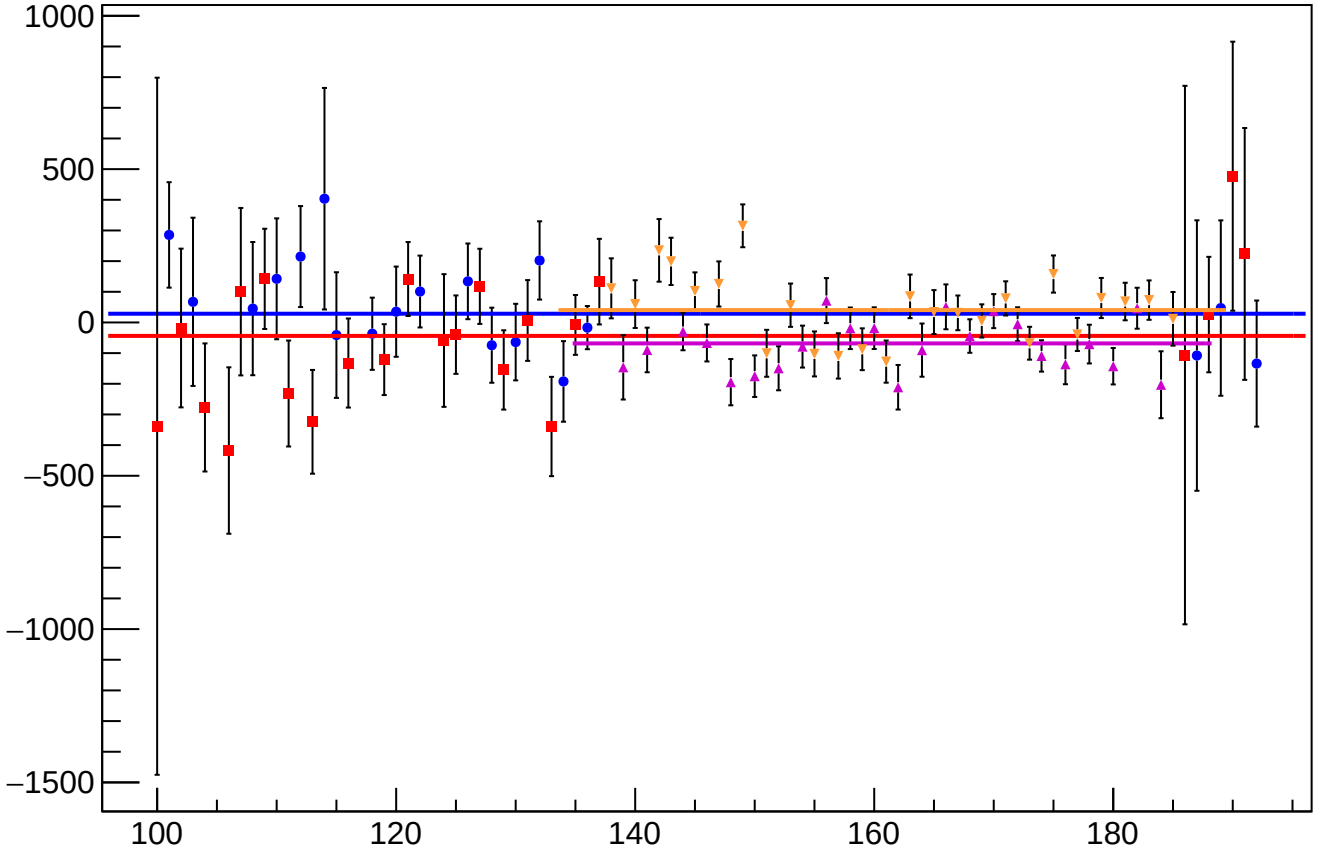
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9574391.9/43

All: 0.000+/-0.000 χ^2/NDF: 19944872.3/89

- sign 0.000+/-0.000 χ^2/NDF: 10370417.9/45

reg_asym_sam_3726_avg_mean vs Slug



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

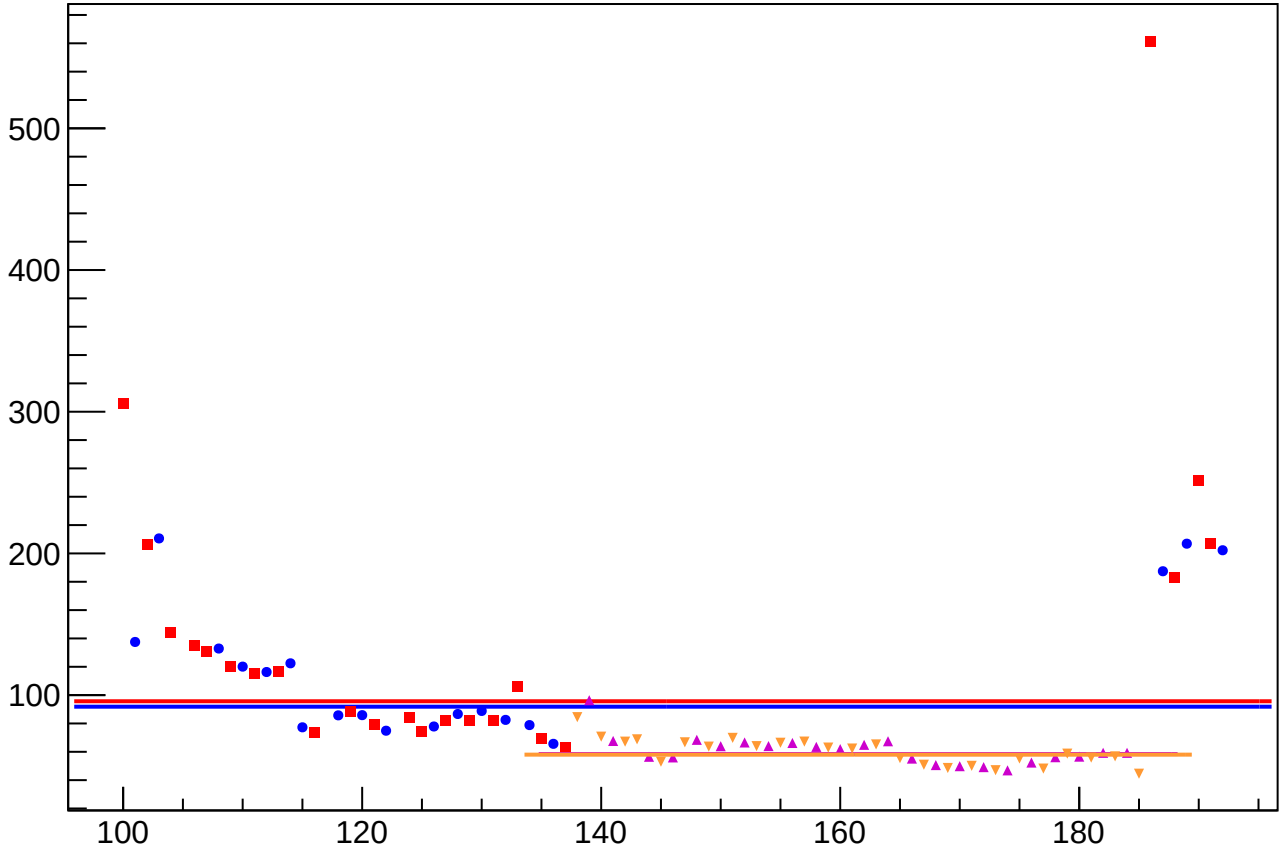
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 38.671+/-12.423 χ^2/NDF: 73.1/43

All: -11.380+/-8.928 χ^2/NDF: 160.4/89

- sign -64.853+/-12.841 χ^2/NDF: 53.8/45

reg_asym_sam_3726_avg_rms vs Slug



Right In: 91.841+/-0.023 χ^2/NDF: 2079441.3/18

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

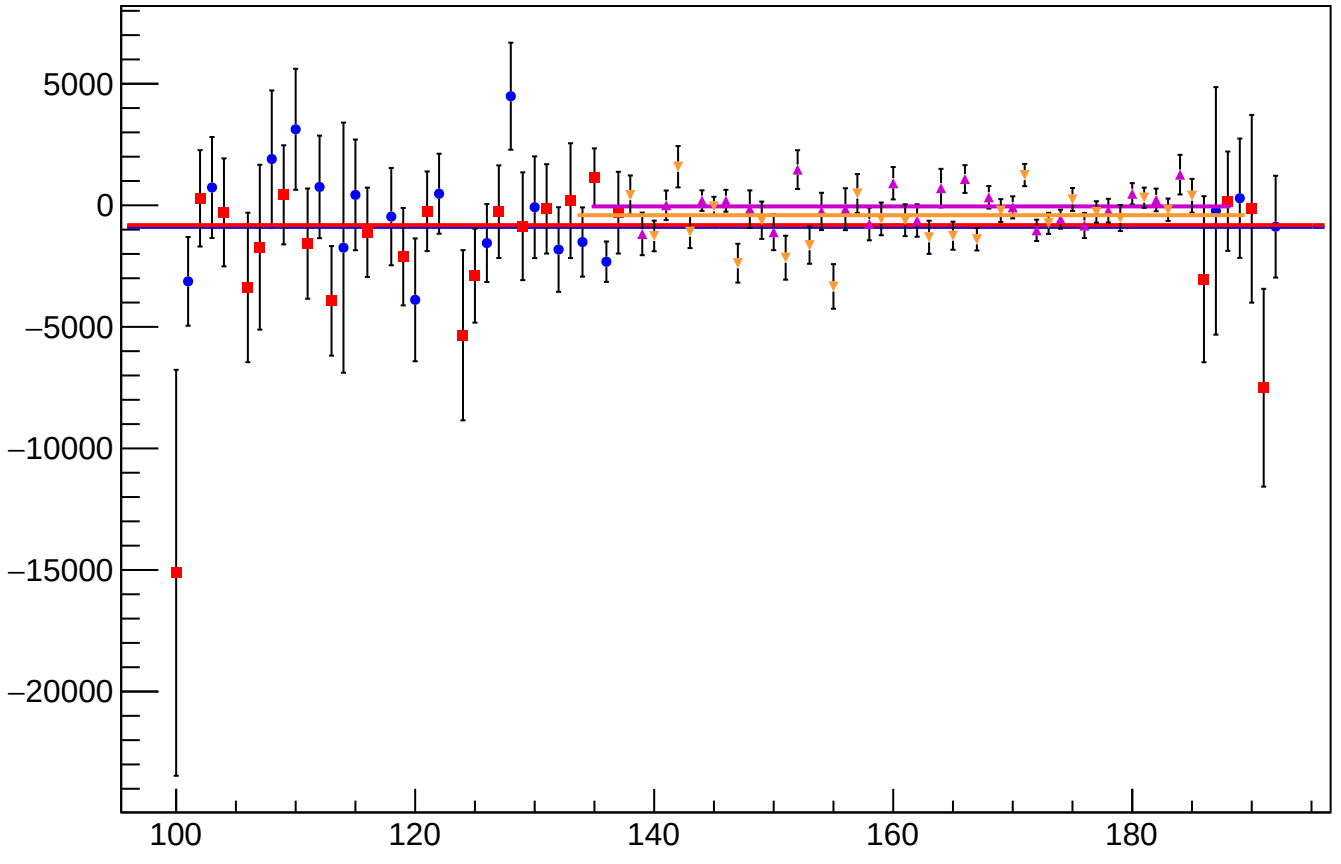
Right Out: 95.670+/-0.024 χ^2/NDF: 2593363.8/22

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.760+/-0.009 χ^2/NDF: 4682766.3/43

All: 63.218+/-0.006 χ^2/NDF: 10075615.6/89

- sign 63.706+/-0.009 χ^2/NDF: 5387239.3/45



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

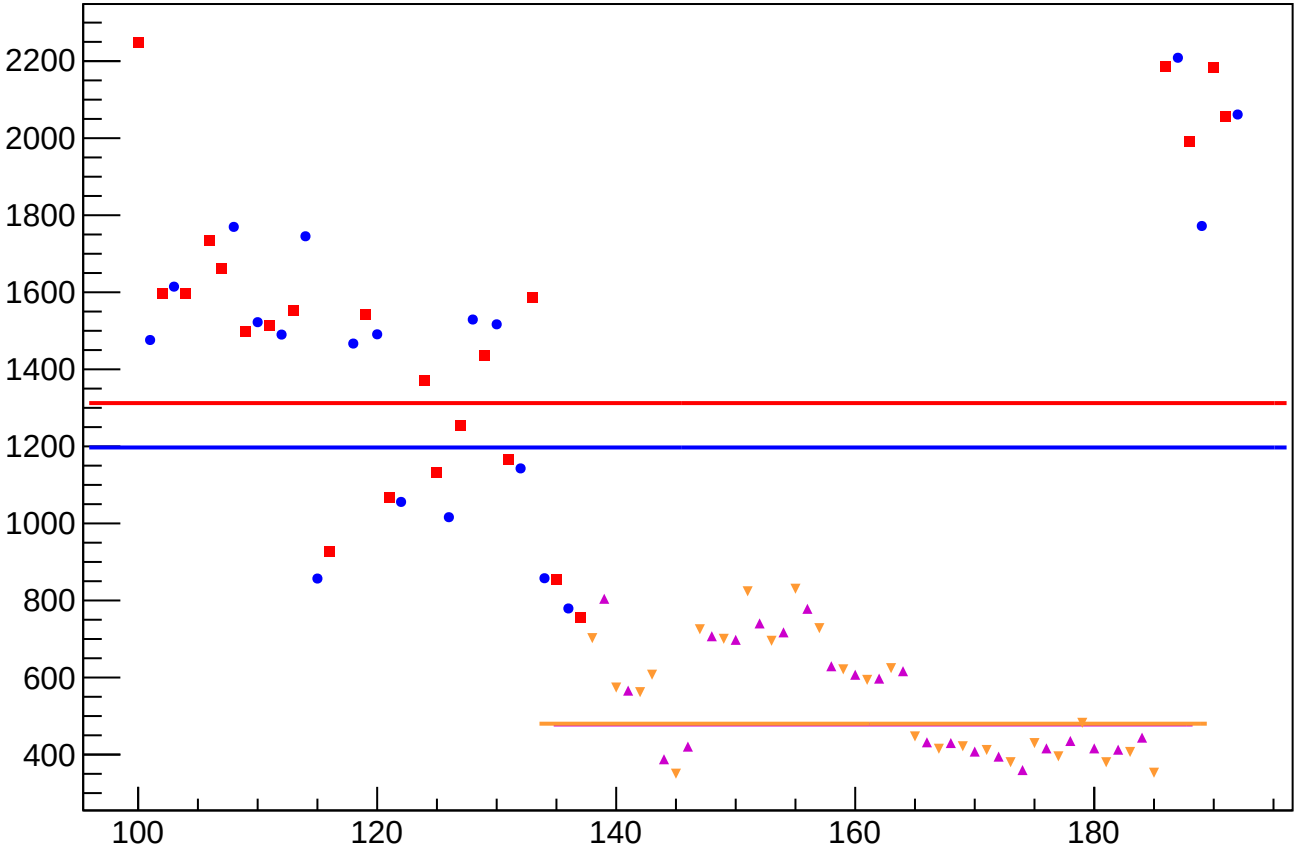
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -438.490+/-109.601 χ^2/NDF: 83.2/43

All: -269.785+/-78.353 χ^2/NDF: 138.3/89

- sign -93.435+/-112.057 χ^2/NDF: 50.3/45

asym_sam_3726_avg_reg_correction_rms vs Slug



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

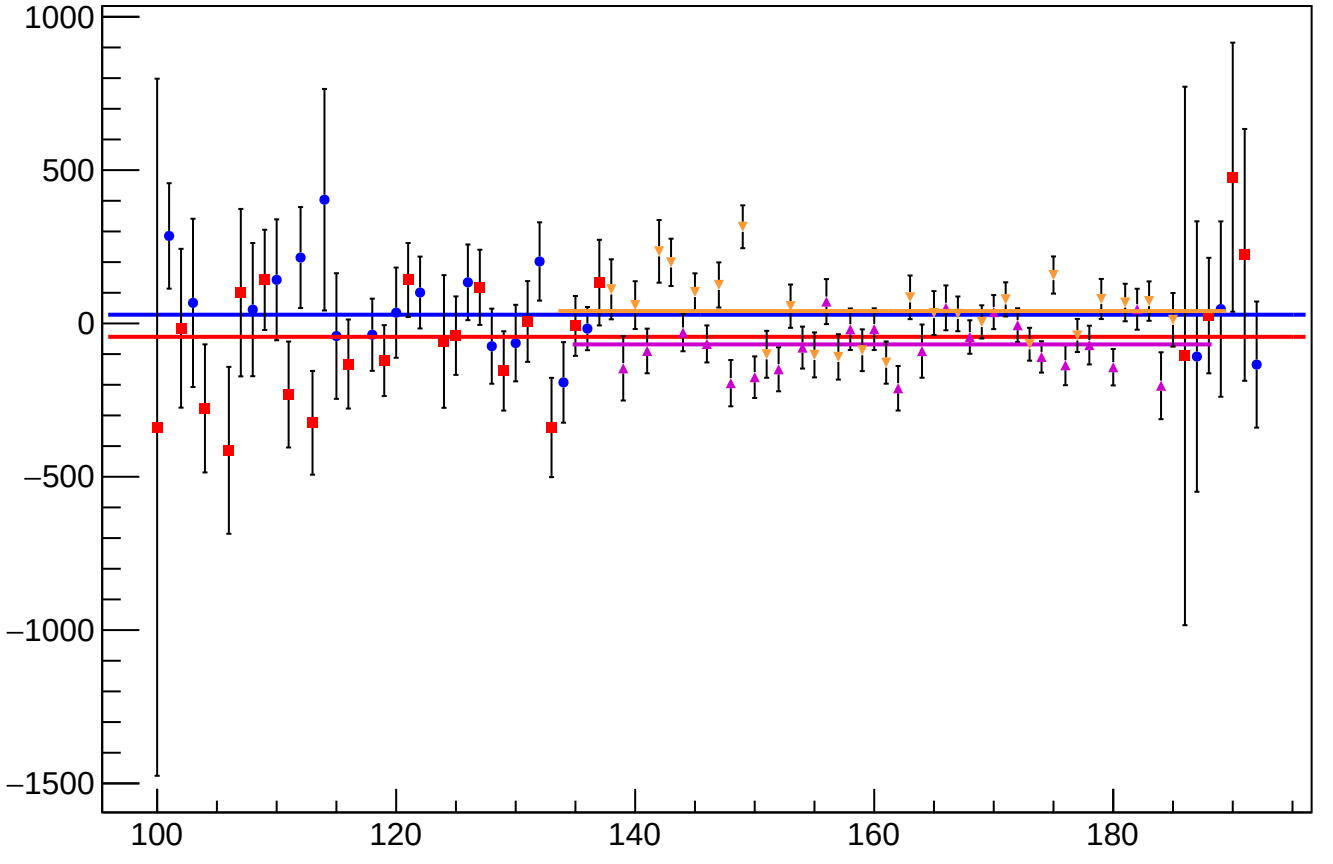
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 528.197+/-0.077 χ^2/NDF: 9628833.1/43

All: 529.410+/-0.055 χ^2/NDF: 19861188.6/89

- sign 530.677+/-0.079 χ^2/NDF: 10231854.7/45

cor_asym_sam_3726_avg_mean vs Slug



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

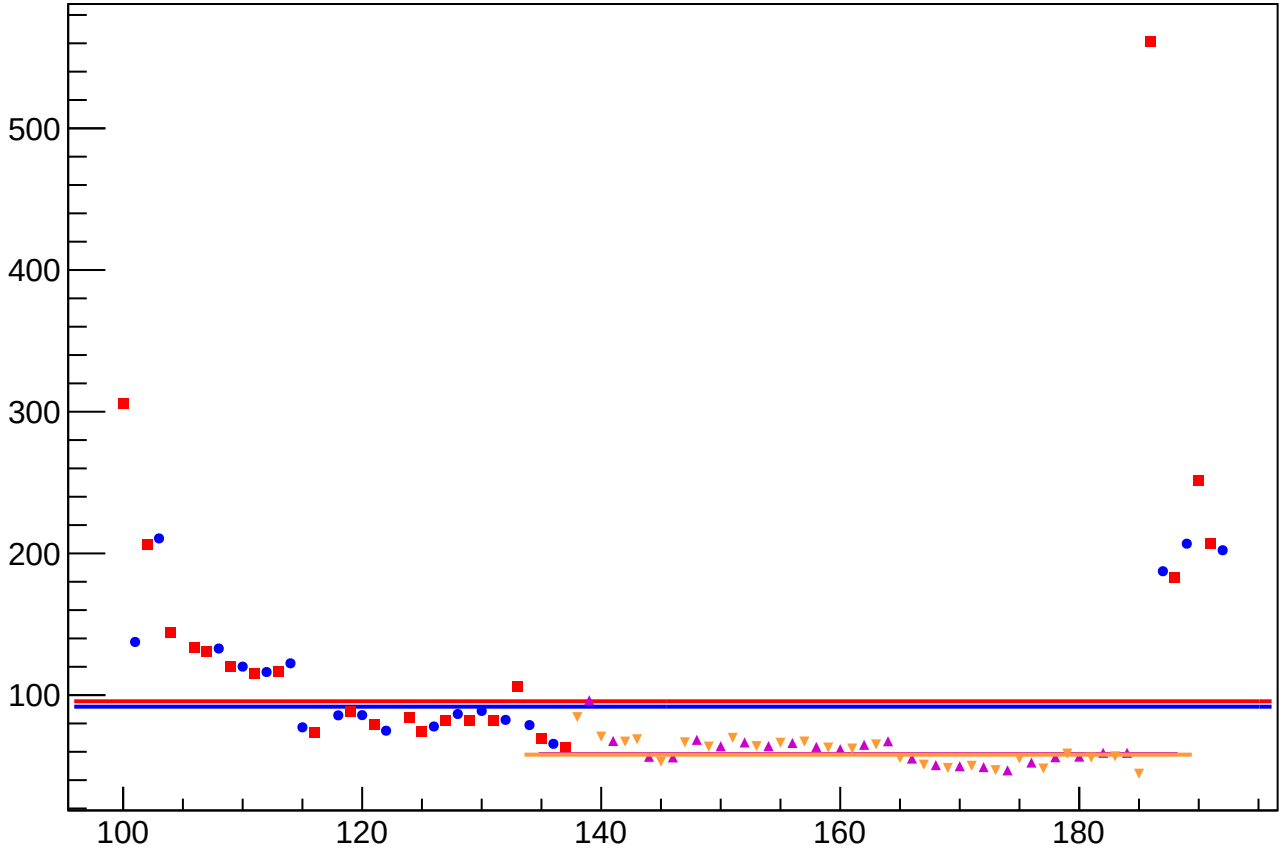
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.672+/-12.423 χ^2/NDF: 73.1/43

All: -11.369+/-8.928 χ^2/NDF: 160.4/89

- sign -64.832+/-12.841 χ^2/NDF: 53.7/45

cor_asym_sam_3726_avg_rms vs Slug



Right In: 91.841+/-0.023 χ^2/NDF: 2079444.1/18

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

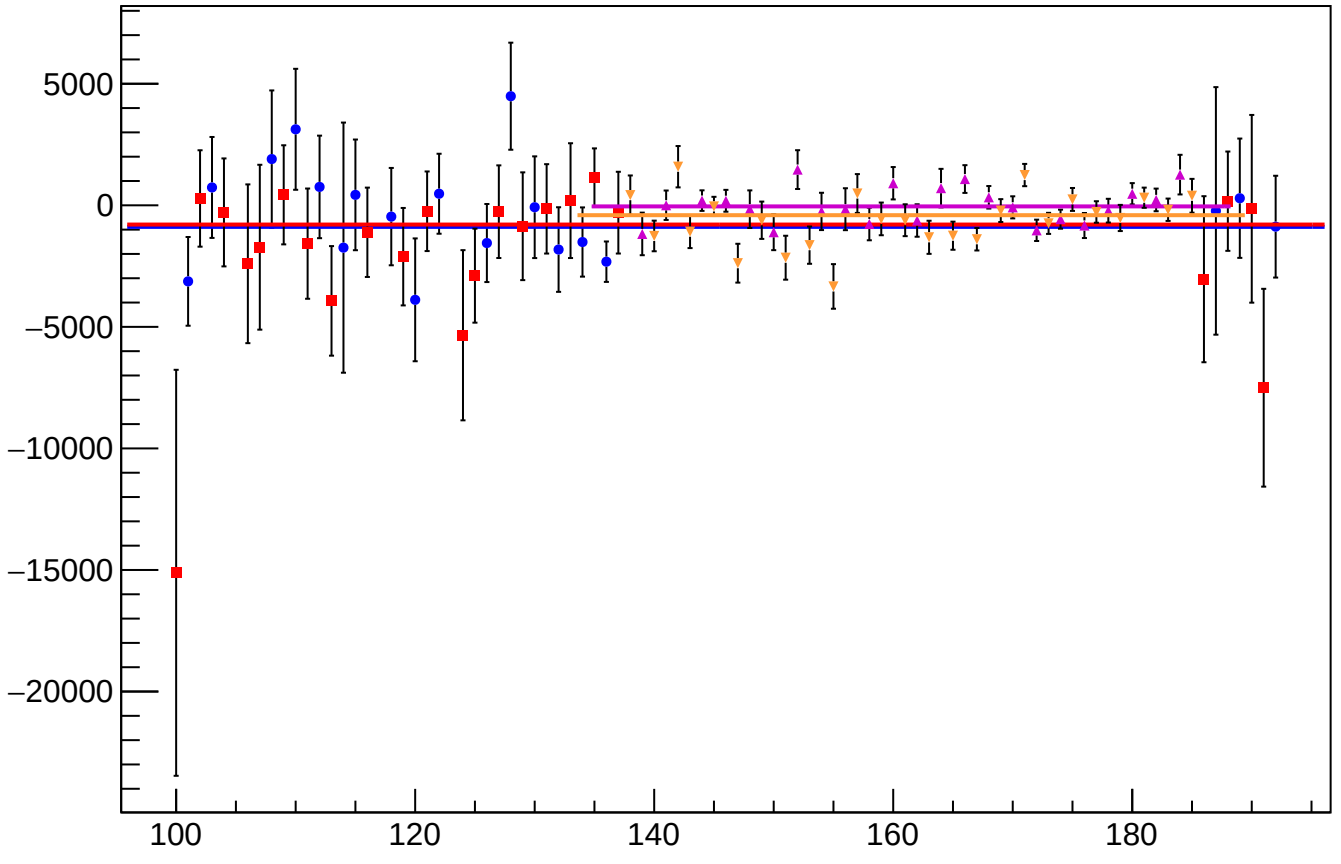
Right Out: 95.636+/-0.024 χ^2/NDF: 2589337.8/22

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.760+/-0.009 χ^2/NDF: 4682768.5/43

All: 63.215+/-0.006 χ^2/NDF: 10067491.0/89

- sign 63.701+/-0.009 χ^2/NDF: 5379177.3/45



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

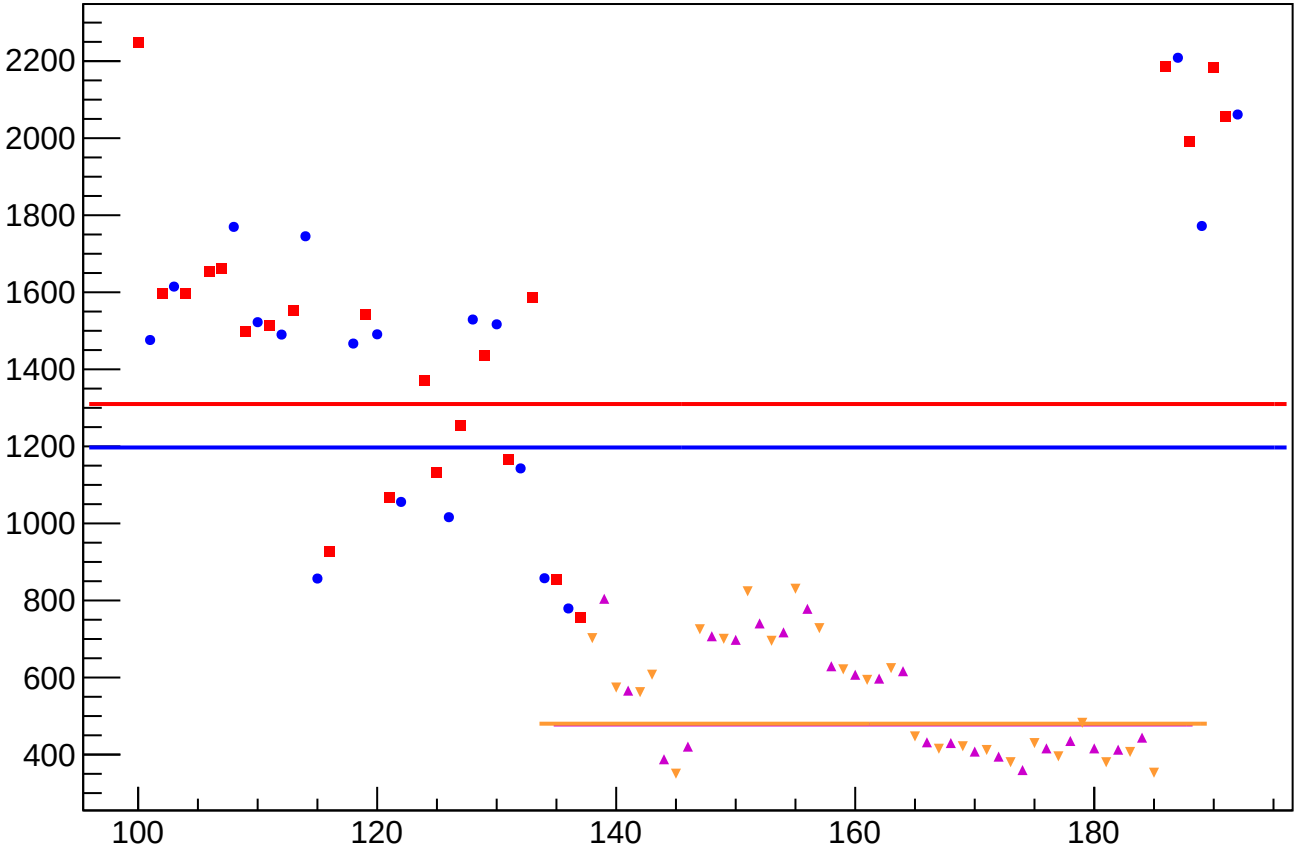
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -438.486+/-109.601 χ^2/NDF: 83.2/43

All: -269.002+/-78.356 χ^2/NDF: 137.7/89

- sign -91.810+/-112.065 χ^2/NDF: 49.6/45

asym_sam_3726_avg_cor_correction_rms vs Slug



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

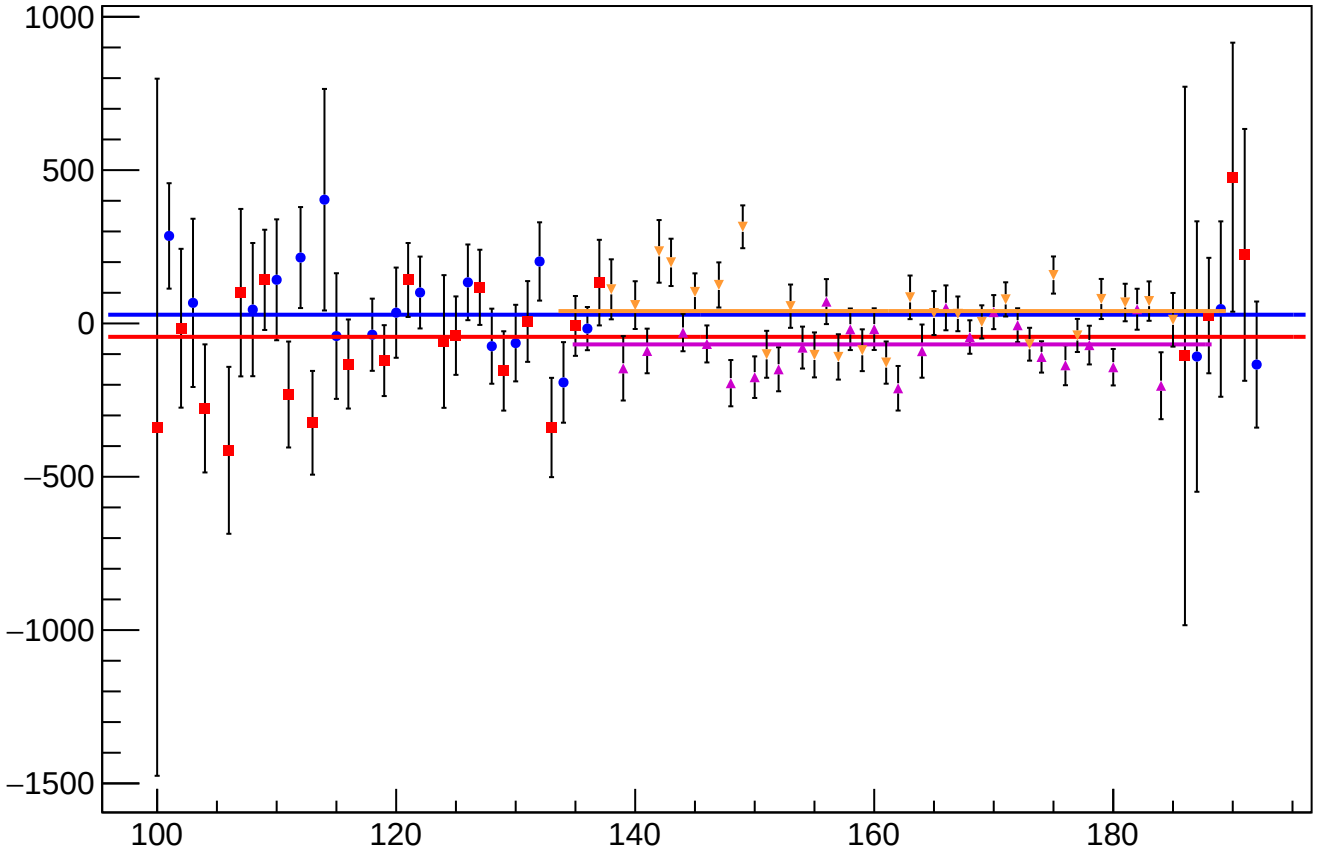
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 528.197+/-0.077 χ^2/NDF: 9628860.1/43

All: 529.275+/-0.055 χ^2/NDF: 19792586.2/89

- sign 530.403+/-0.079 χ^2/NDF: 10163330.2/45

eigen_cor_asym_sam_3726_avg_mean vs Slug



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

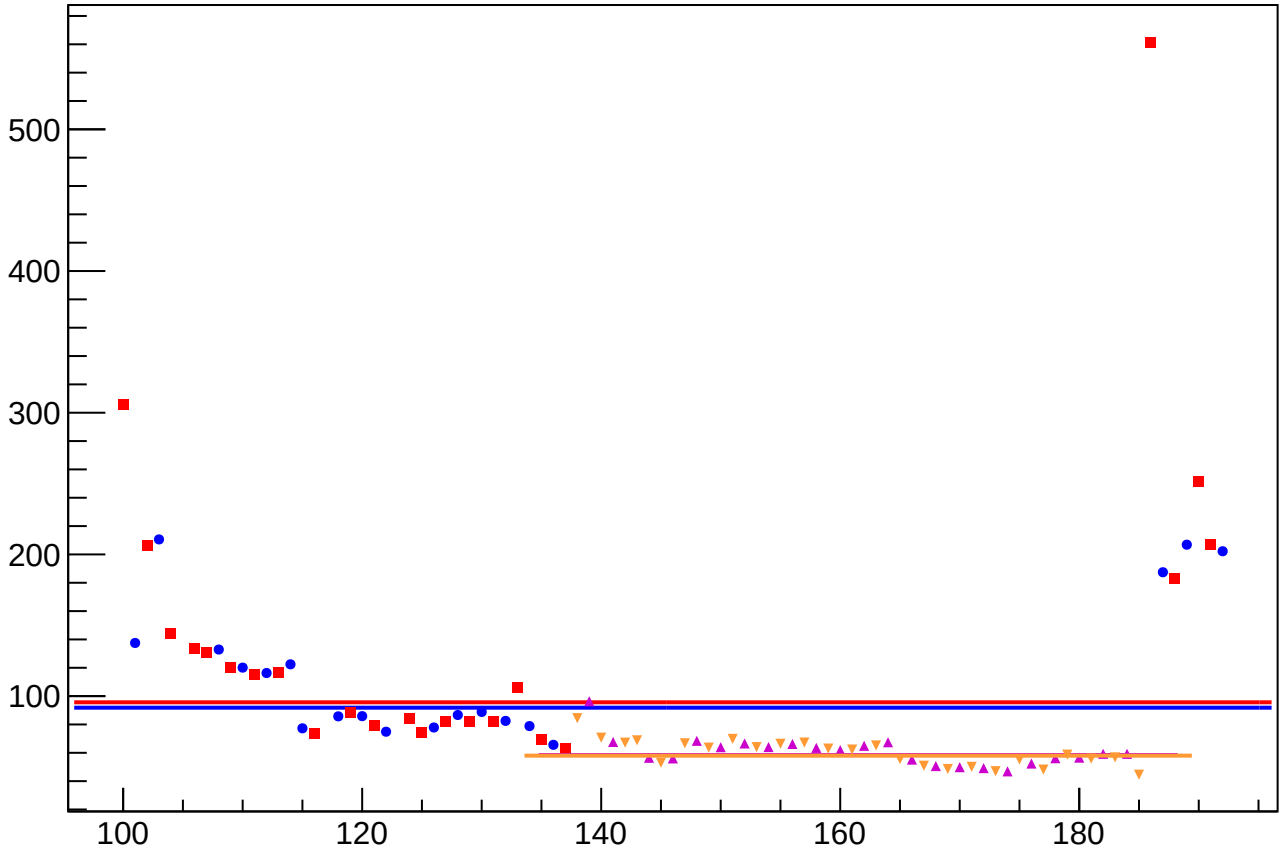
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.672+/-12.423 χ^2/NDF: 73.1/43

All: -11.369+/-8.928 χ^2/NDF: 160.4/89

- sign -64.832+/-12.841 χ^2/NDF: 53.7/45

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 91.841+/-0.023 χ^2/NDF: 2079444.1/18

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

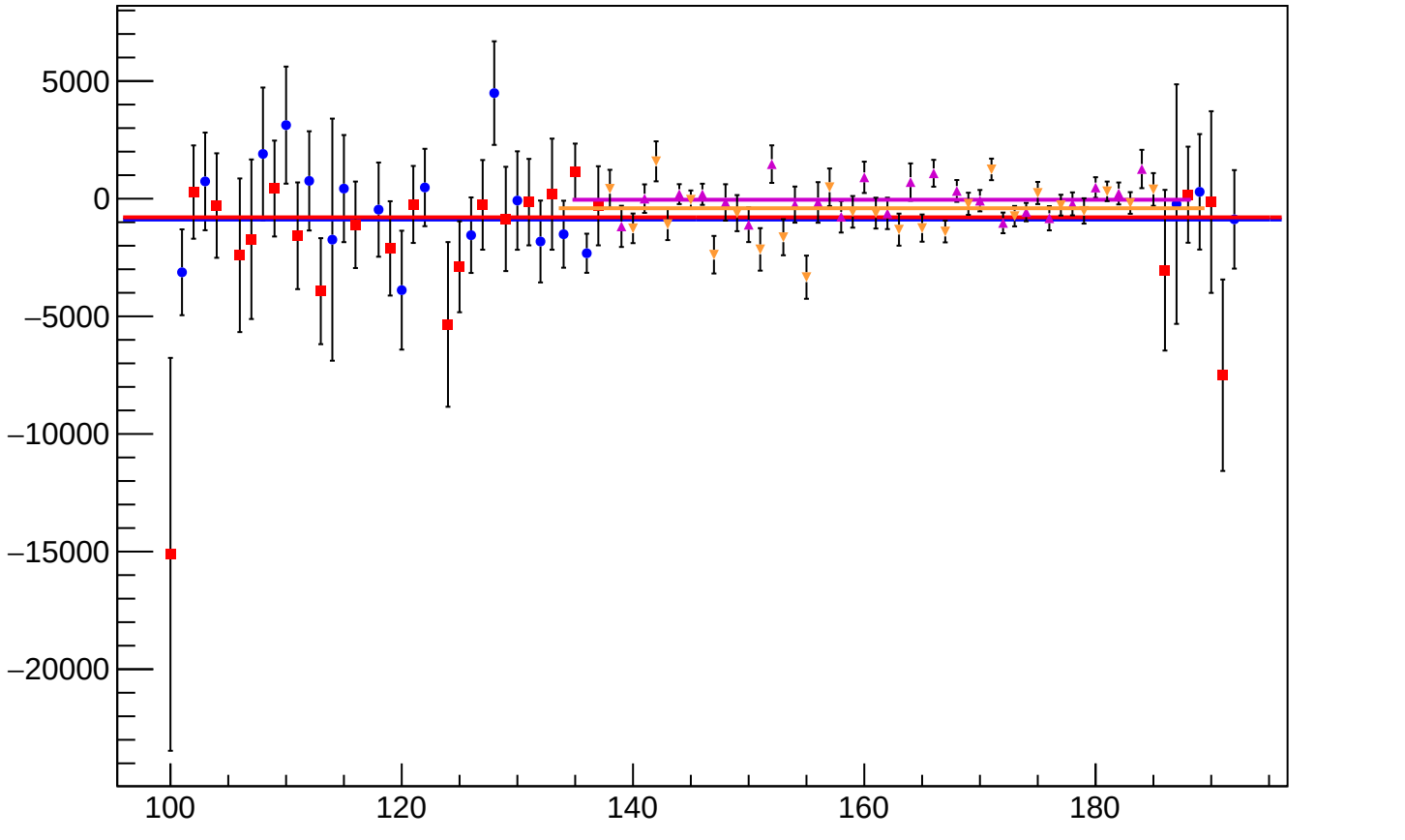
Right Out: 95.636+/-0.024 χ^2/NDF: 2589337.8/22

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.760+/-0.009 χ^2/NDF: 4682768.5/43

All: 63.215+/-0.006 χ^2/NDF: 10067491.0/89

- sign 63.701+/-0.009 χ^2/NDF: 5379177.3/45



Right In: -886.458+/-423.442 χ^2/NDF: 18.8/18

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

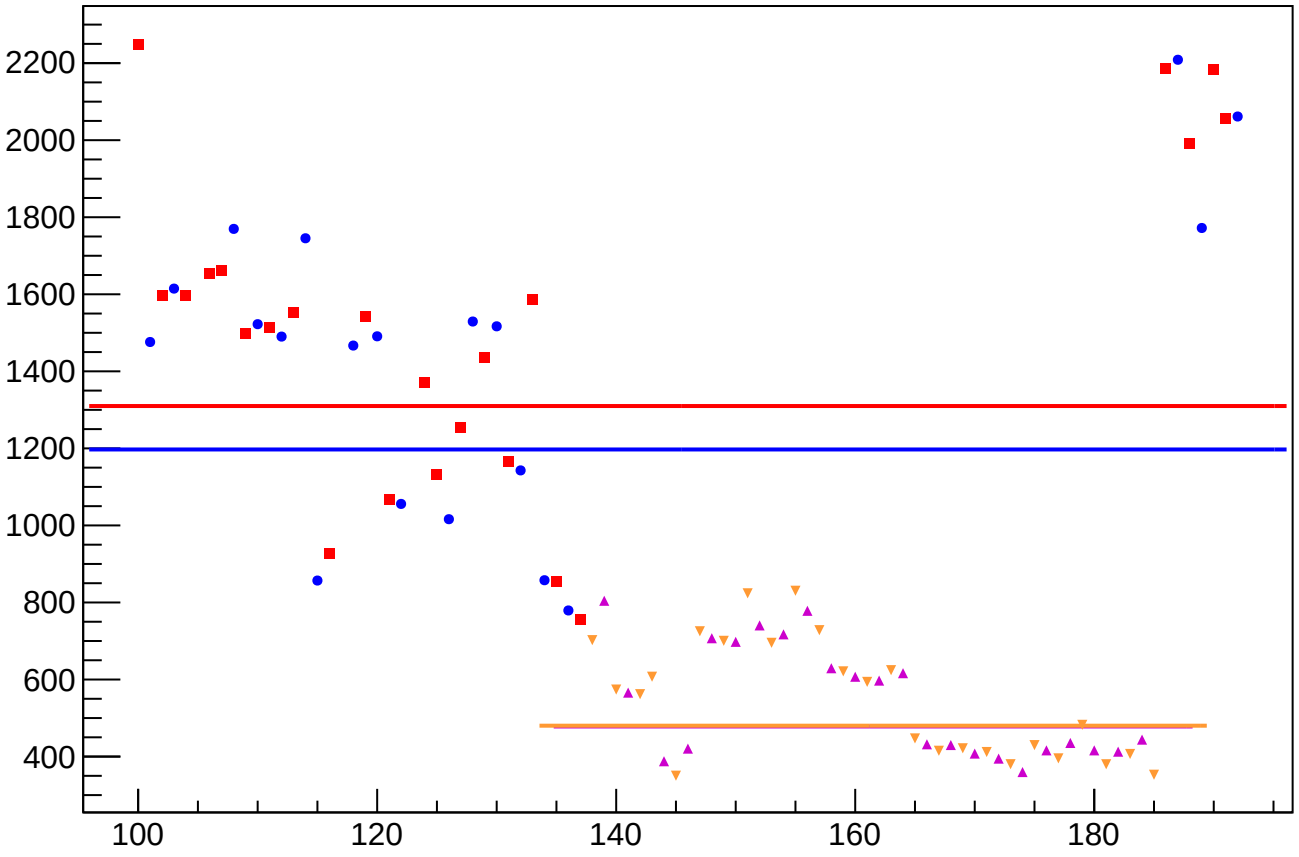
Right Out: -791.781+/-446.849 χ^2/NDF: 15.9/22

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -438.486+/-109.601 χ^2/NDF: 83.2/43

All: -269.002+/-78.356 χ^2/NDF: 137.7/89

- sign -91.810+/-112.065 χ^2/NDF: 49.6/45



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

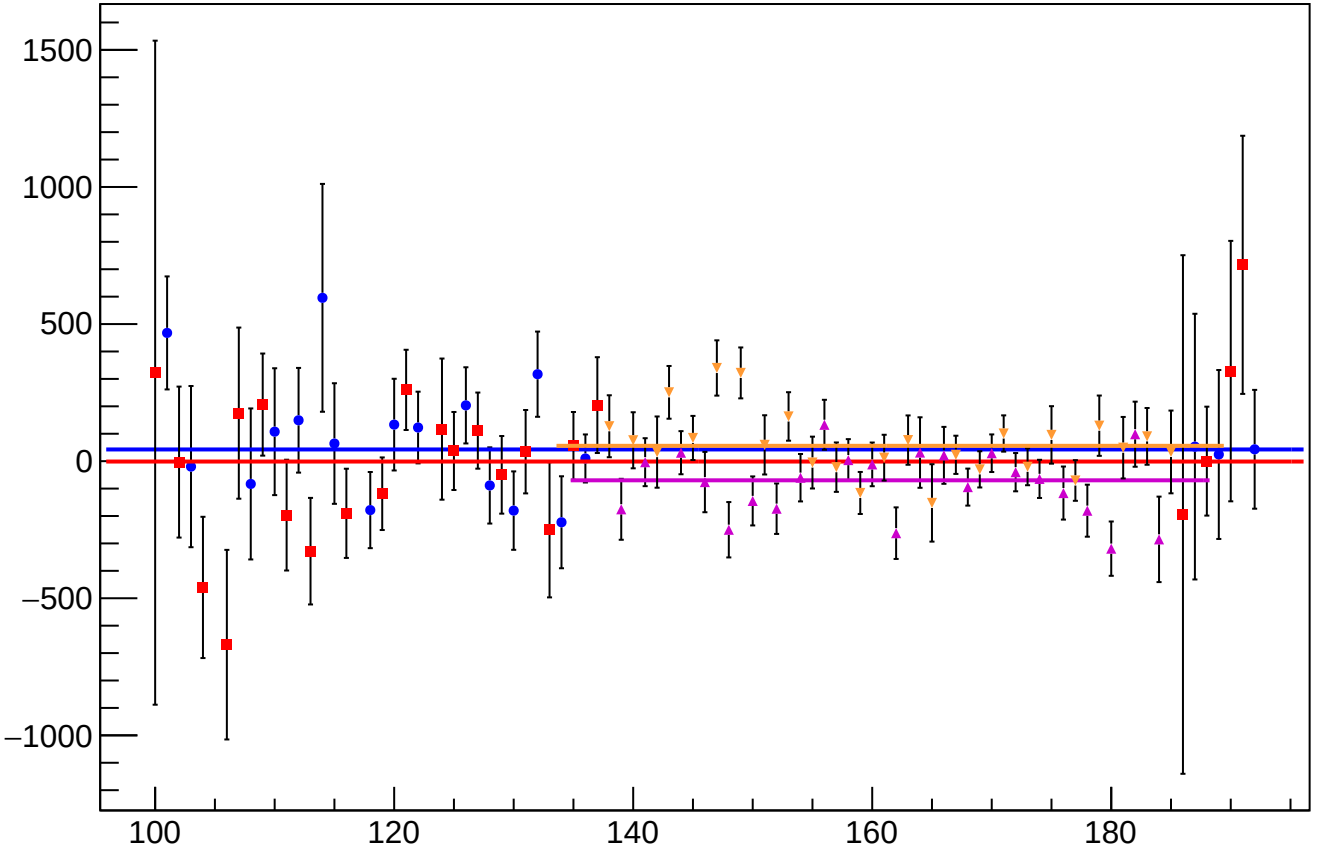
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 528.197+/-0.077 χ^2/NDF: 9628860.1/43

All: 529.275+/-0.055 χ^2/NDF: 19792586.2/89

- sign 530.403+/-0.079 χ^2/NDF: 10163330.2/45

dit_asym_sam_3726_avg_mean vs Slug



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

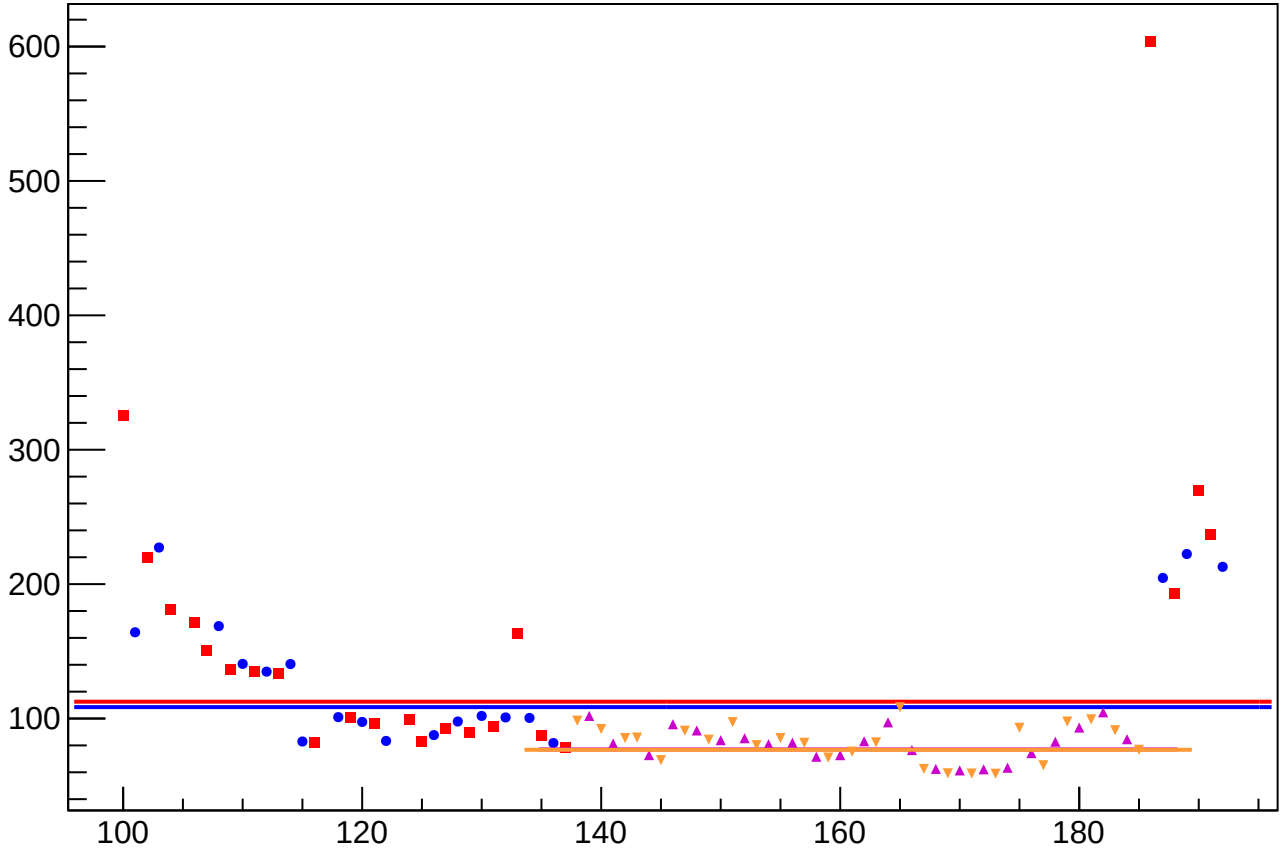
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 53.617+/-16.294 χ^2/NDF: 58.7/43

All: -0.417+/-11.690 χ^2/NDF: 142.6/89

- sign -57.724+/-16.780 χ^2/NDF: 61.2/45

dit_asym_sam_3726_avg_rms vs Slug



Right In: 108.496+/-0.027 χ^2/NDF: 1845627.5/18

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

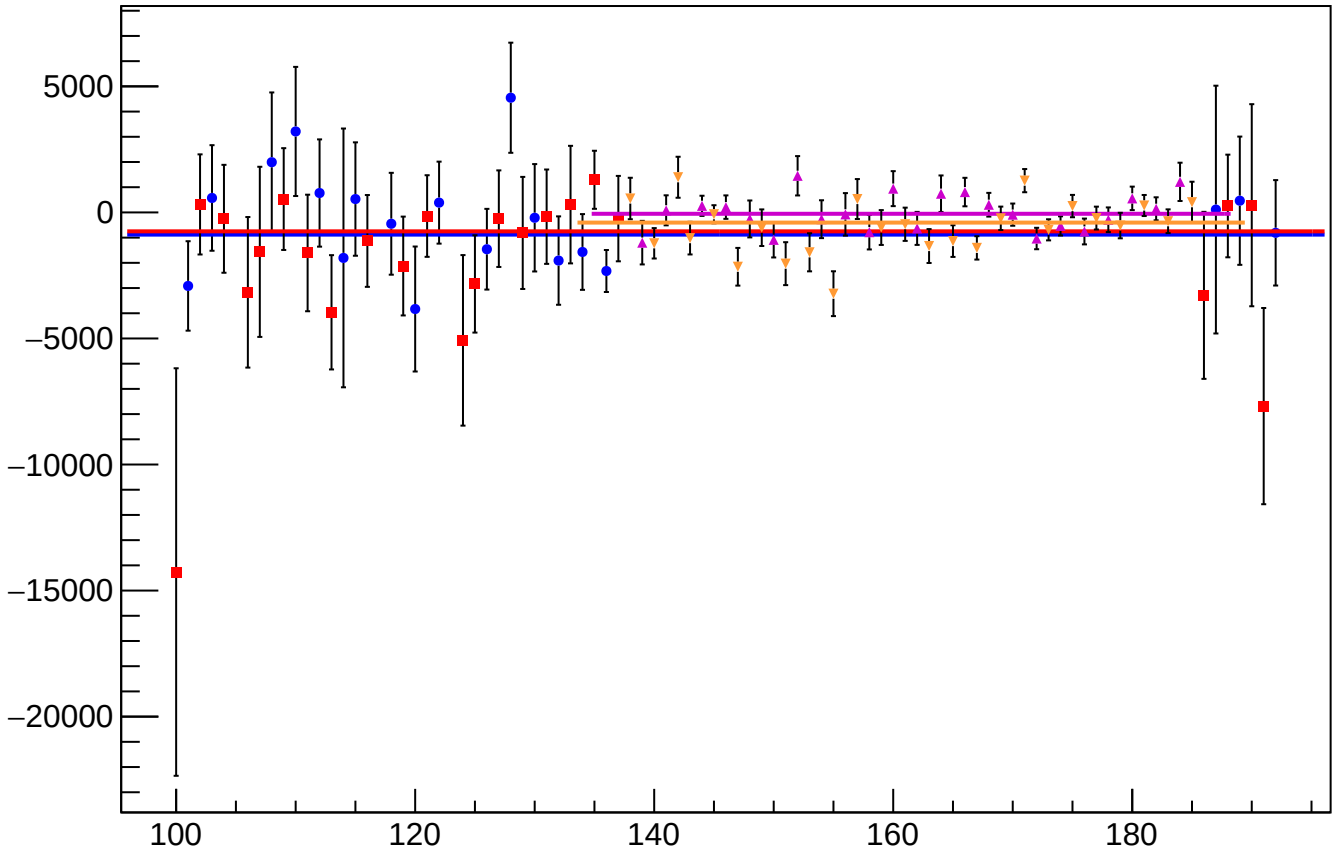
Right Out: 112.533+/-0.028 χ^2/NDF: 2471196.0/22

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 82.330+/-0.012 χ^2/NDF: 4181442.3/43

All: 82.803+/-0.008 χ^2/NDF: 8819984.8/89

- sign 83.304+/-0.012 χ^2/NDF: 4635079.1/45



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

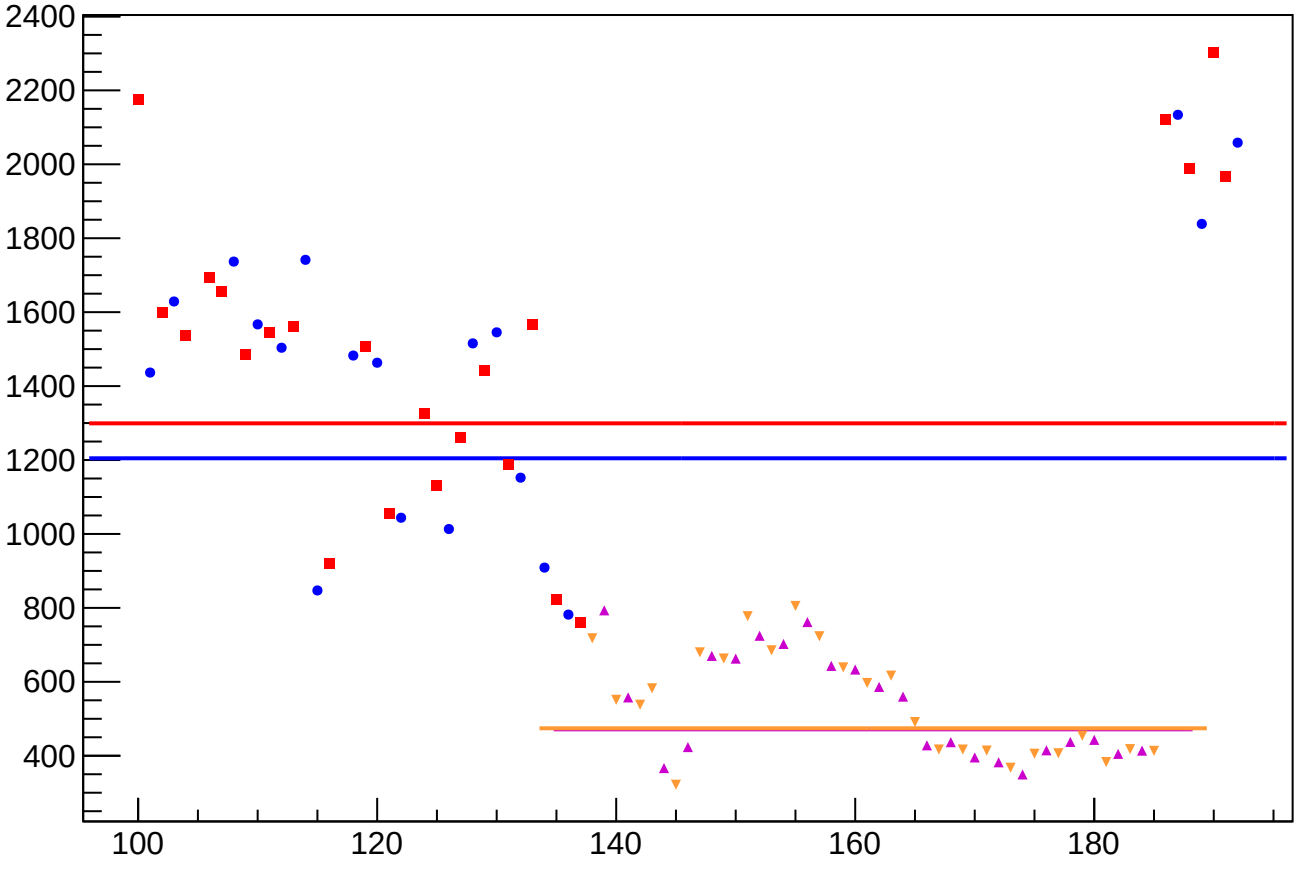
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -434.184+/-108.103 χ^2/NDF: 80.7/43

All: -269.815+/-77.304 χ^2/NDF: 136.0/89

- sign -97.803+/-110.588 χ^2/NDF: 50.6/45

asym_sam_3726_avg_dit_correction_rms vs Slug



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

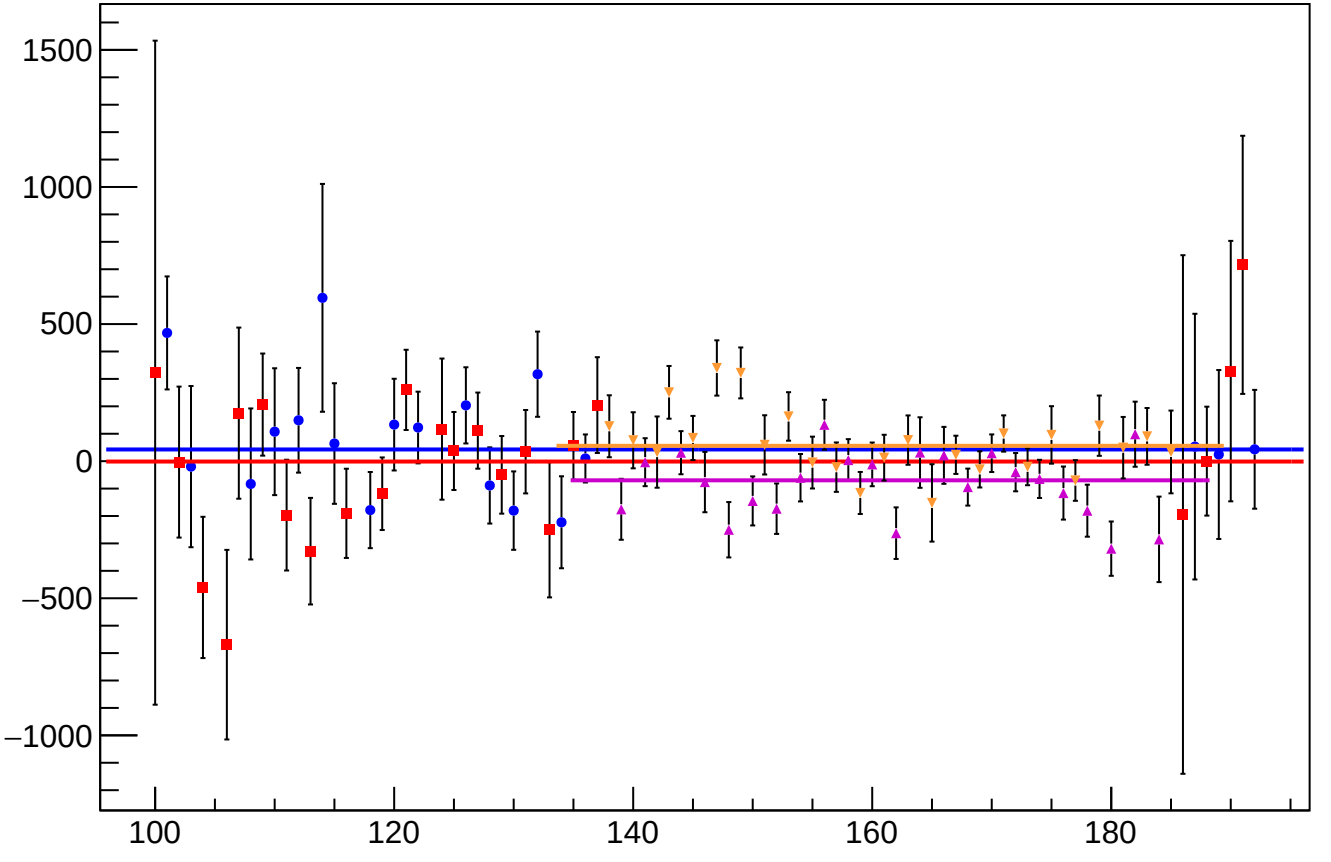
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 521.467+/-0.076 χ^2/NDF: 9720735.6/43

All: 522.363+/-0.055 χ^2/NDF: 20019479.6/89

- sign 523.301+/-0.078 χ^2/NDF: 10298462.9/45

eigen_dit_asym_sam_3726_avg_mean vs Slug



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

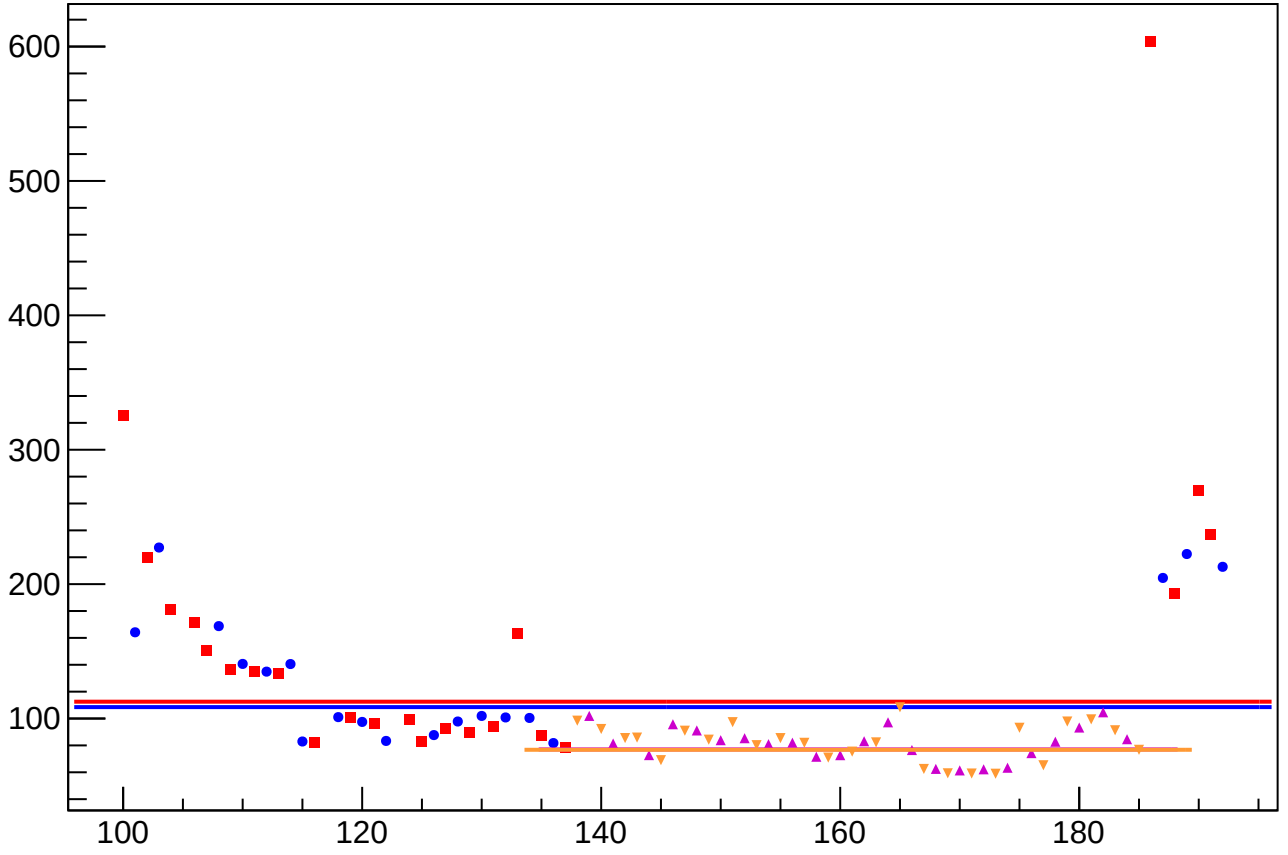
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 53.616+/-16.294 χ^2/NDF: 58.7/43

All: -0.417+/-11.690 χ^2/NDF: 142.6/89

- sign -57.723+/-16.780 χ^2/NDF: 61.2/45

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 108.495+/-0.027 χ^2/NDF: 1845627.8/18

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

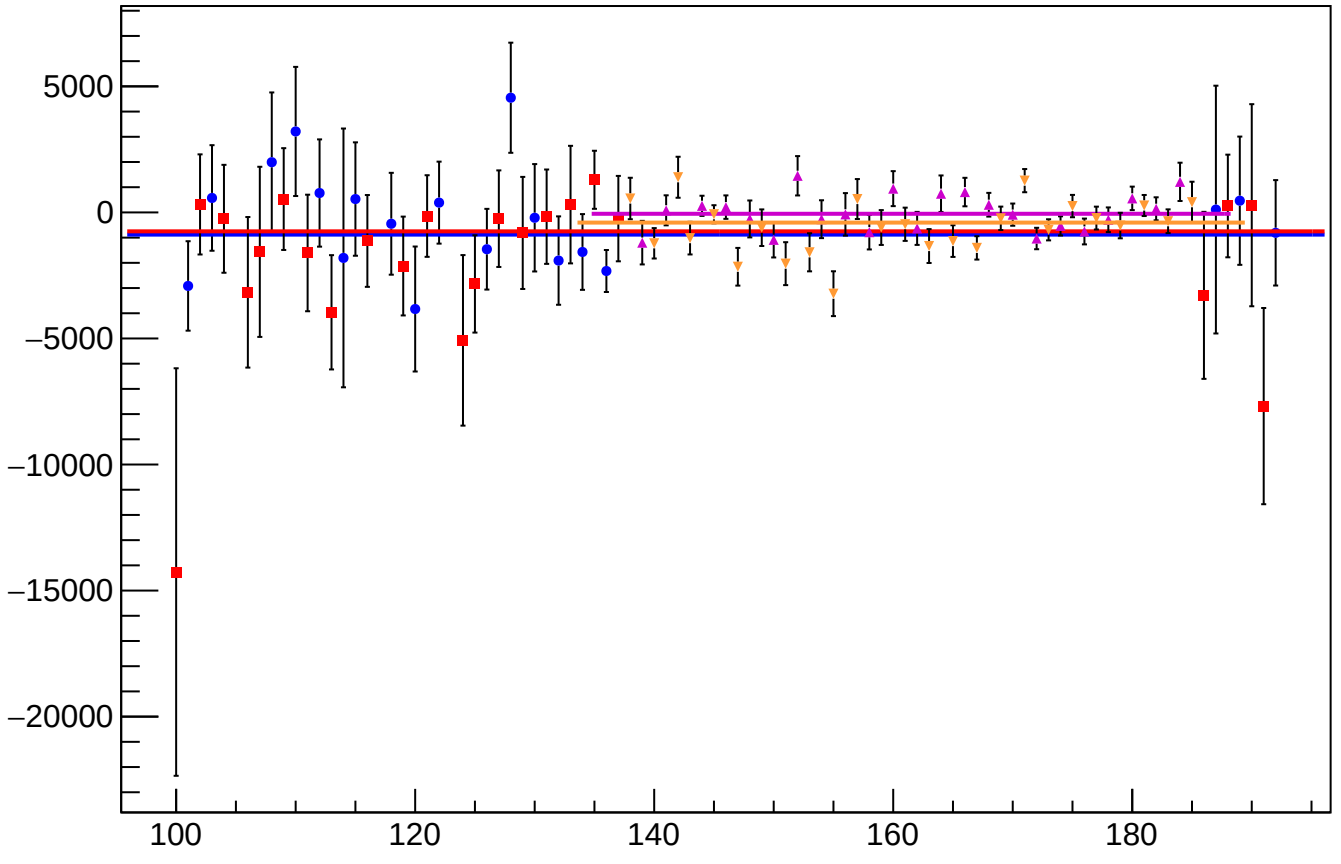
Right Out: 112.533+/-0.028 χ^2/NDF: 2471202.3/22

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 82.331+/-0.012 χ^2/NDF: 4181409.1/43

All: 82.803+/-0.008 χ^2/NDF: 8819921.4/89

- sign 83.304+/-0.012 χ^2/NDF: 4635048.7/45



Right In: -880.389+/-425.372 χ^2/NDF: 18.8/18

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

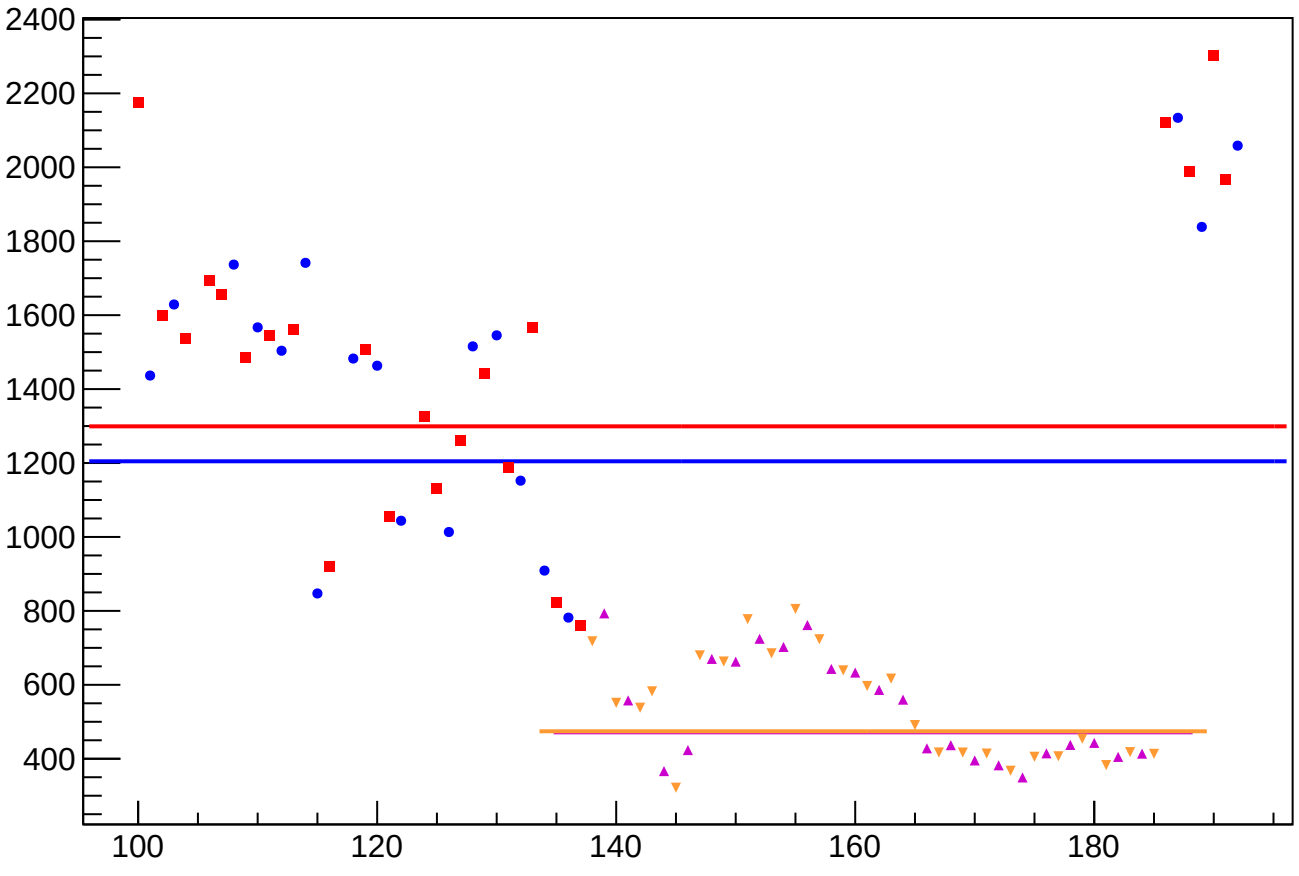
Right Out: -750.494+/-441.887 χ^2/NDF: 17.6/22

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -434.183+/-108.103 χ^2/NDF: 80.7/43

All: -269.815+/-77.304 χ^2/NDF: 136.0/89

- sign -97.803+/-110.588 χ^2/NDF: 50.6/45



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

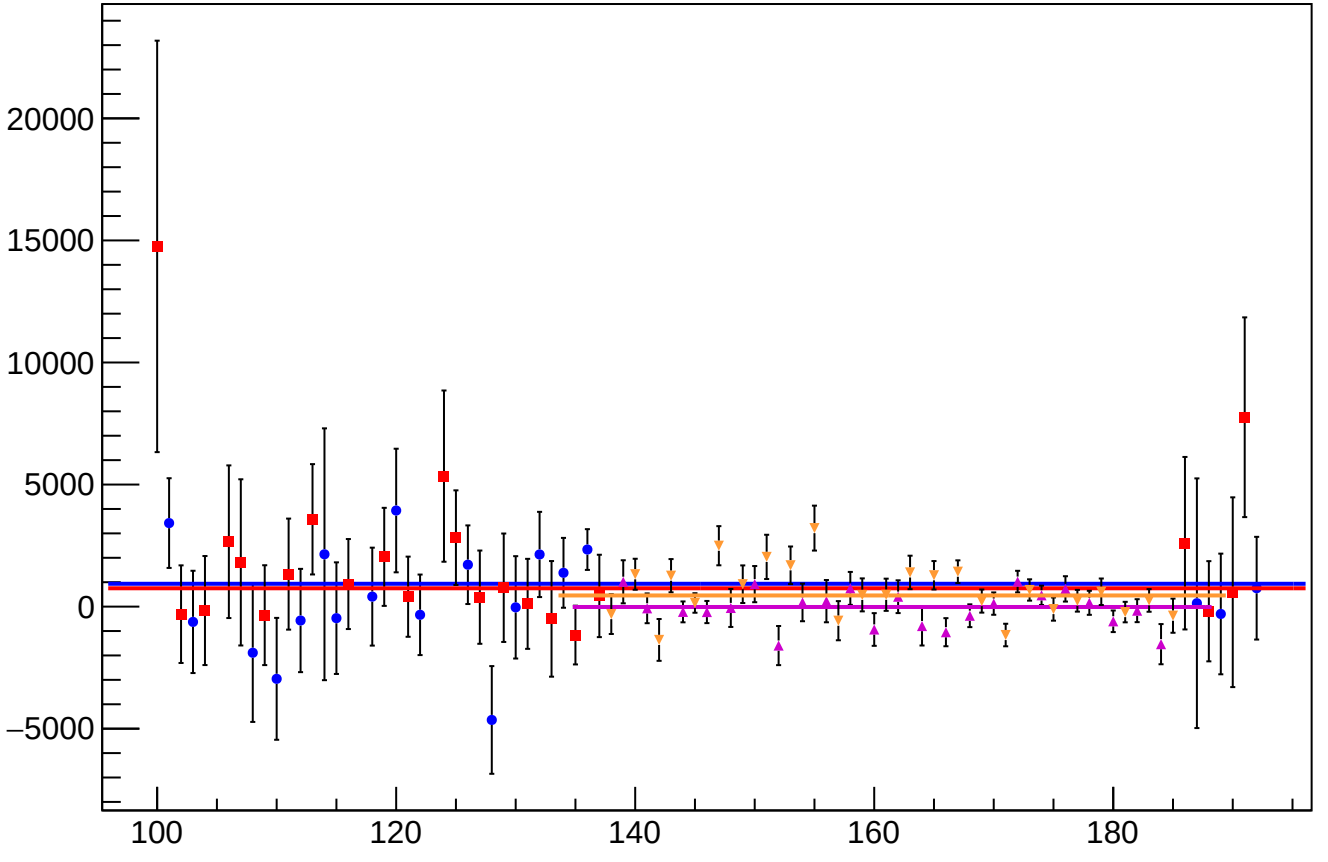
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 521.467+/-0.076 χ^2/NDF: 9720728.2/43

All: 522.363+/-0.055 χ^2/NDF: 20019453.2/89

- sign 523.301+/-0.078 χ^2/NDF: 10298443.9/45

asym_sam_3726_avg_mean vs Slug



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

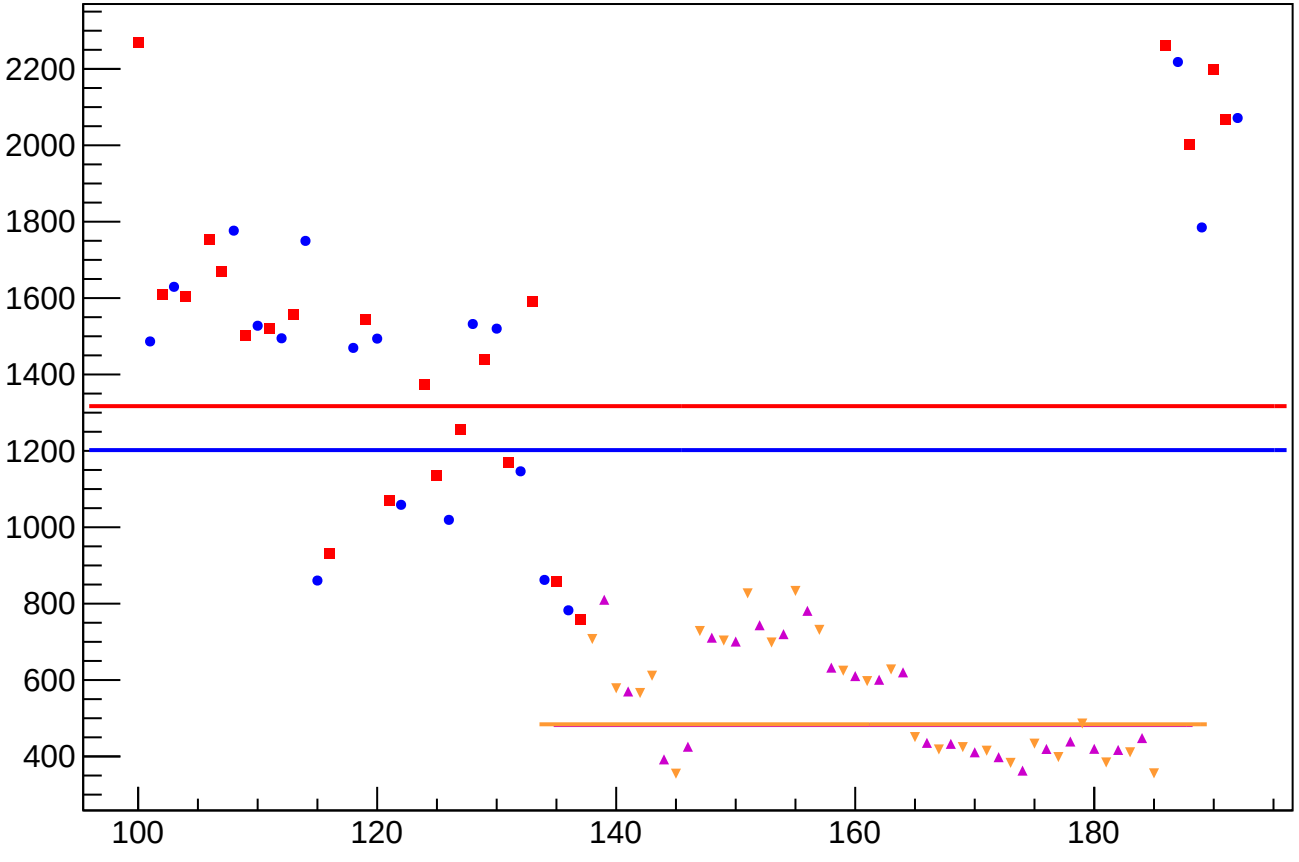
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 489.556+/-110.427 χ^2/NDF: 79.9/43

All: 266.670+/-78.956 χ^2/NDF: 136.6/89

- sign 33.542+/-112.936 χ^2/NDF: 48.4/45

asym_sam_3726_avg_rms vs Slug



Right In: 1202.018+/-0.301 χ^2/NDF: 1698358.3/18

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

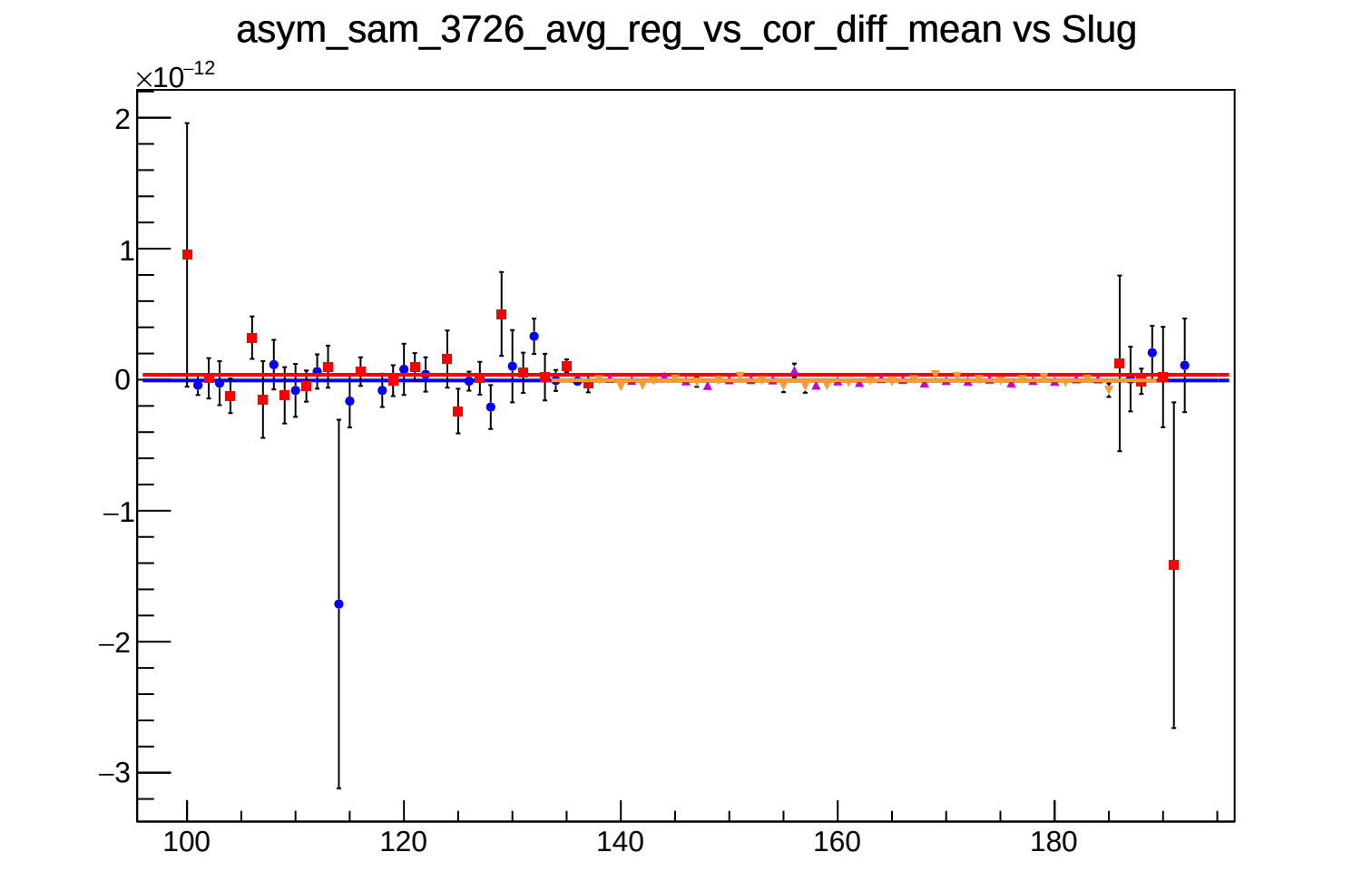
Right Out: 1317.102+/-0.317 χ^2/NDF: 1487899.8/22

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 532.554+/-0.078 χ^2/NDF: 9564091.5/43

All: 533.829+/-0.056 χ^2/NDF: 19738055.5/89

- sign 535.162+/-0.080 χ^2/NDF: 10173418.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

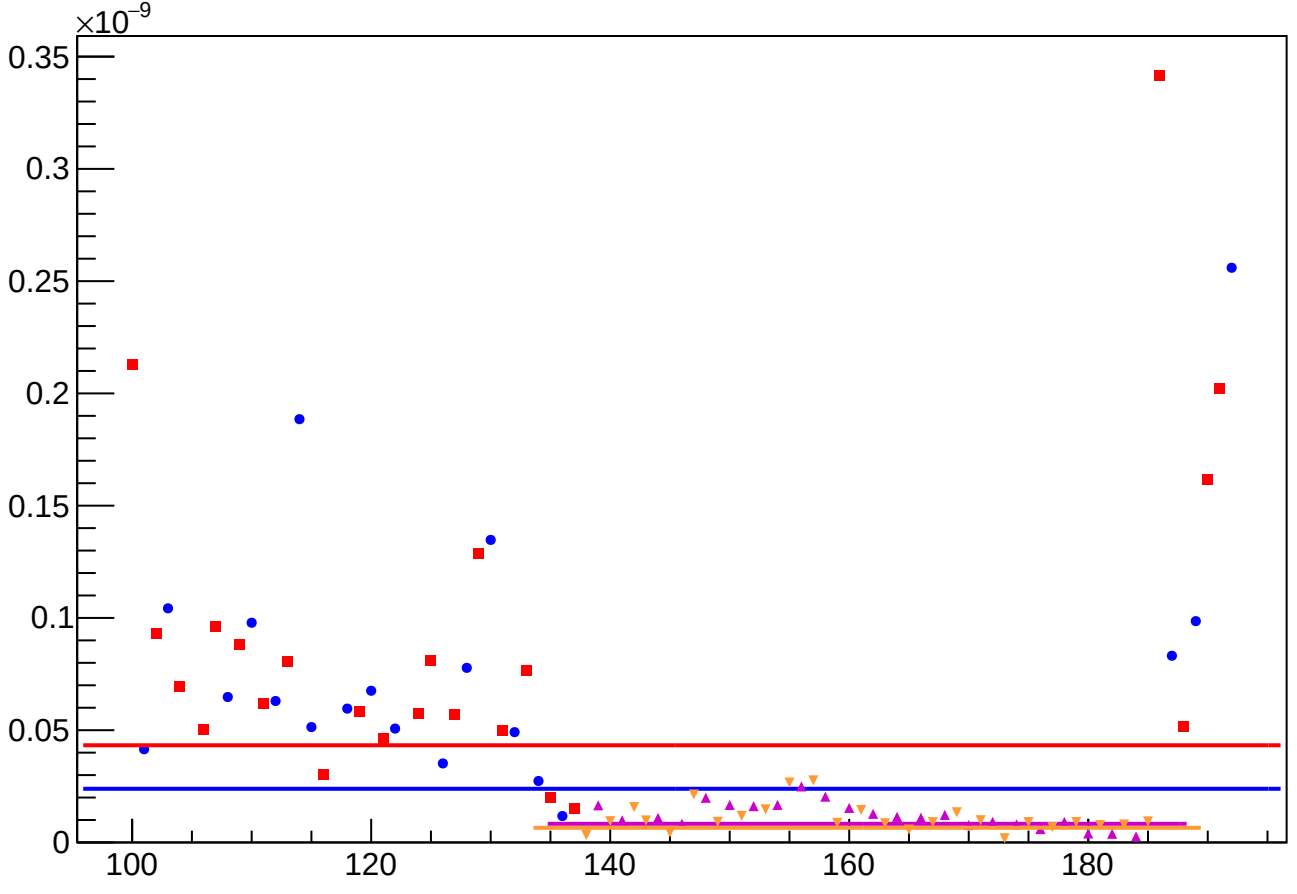
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/22

Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.0/43

All: -0.000+/-0.000 χ^2/NDF: 78.9/89

- sign -0.000+/-0.000 χ^2/NDF: 34.8/45



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

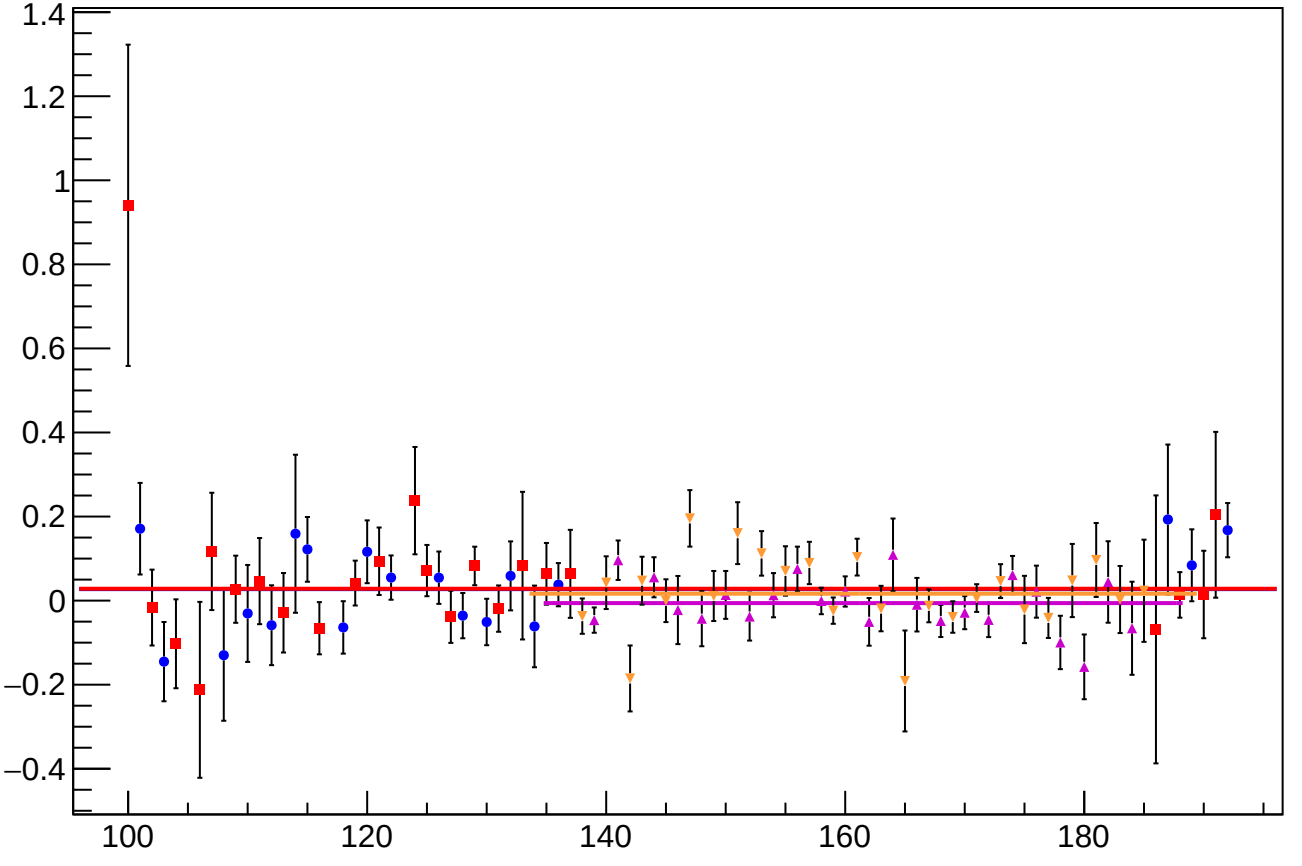
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9792515.2/43

All: 0.000+/-0.000 χ^2/NDF: 18950111.6/89

- sign 0.000+/-0.000 χ^2/NDF: 8842893.1/45

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



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

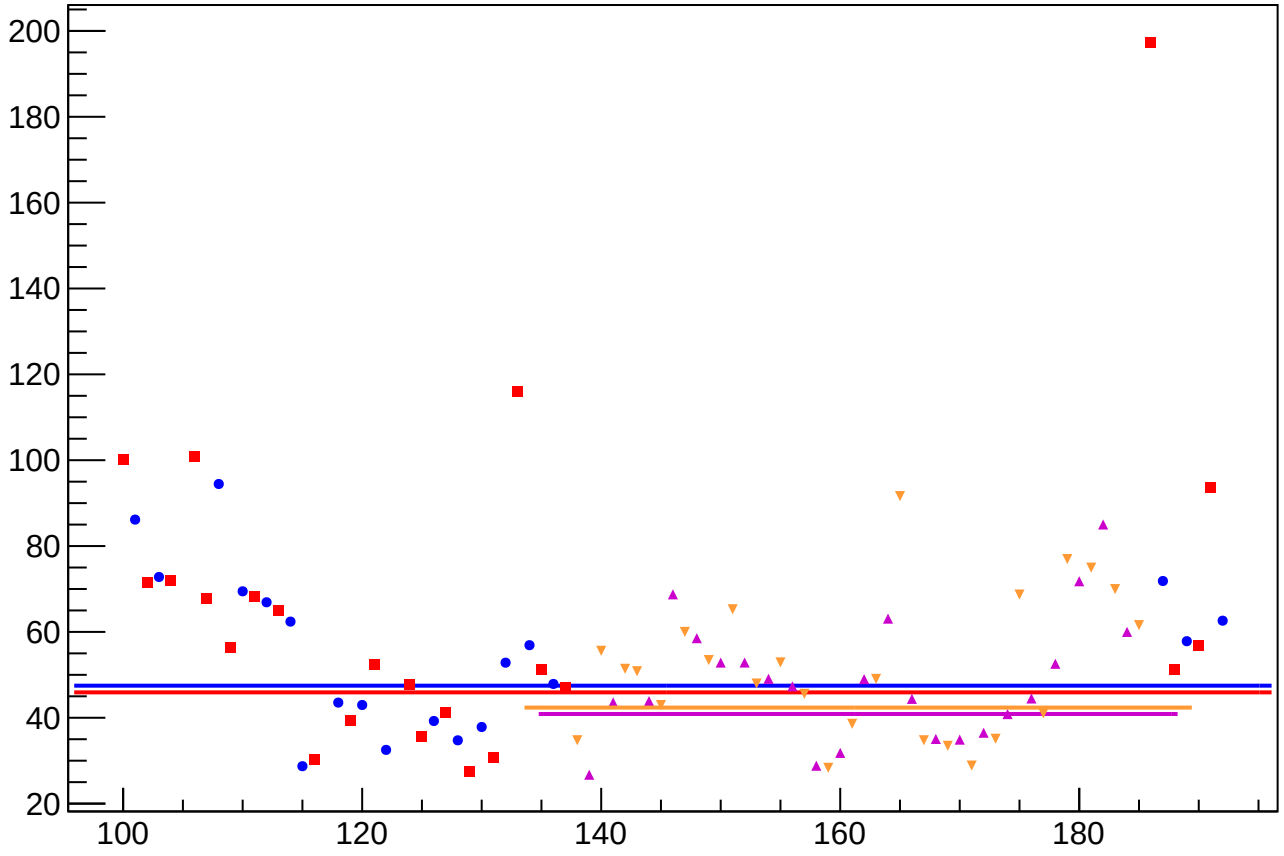
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.0/43

All: 0.011+/-0.006 χ^2/NDF: 116.1/89

- sign 0.004+/-0.009 χ^2/NDF: 49.5/45

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



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

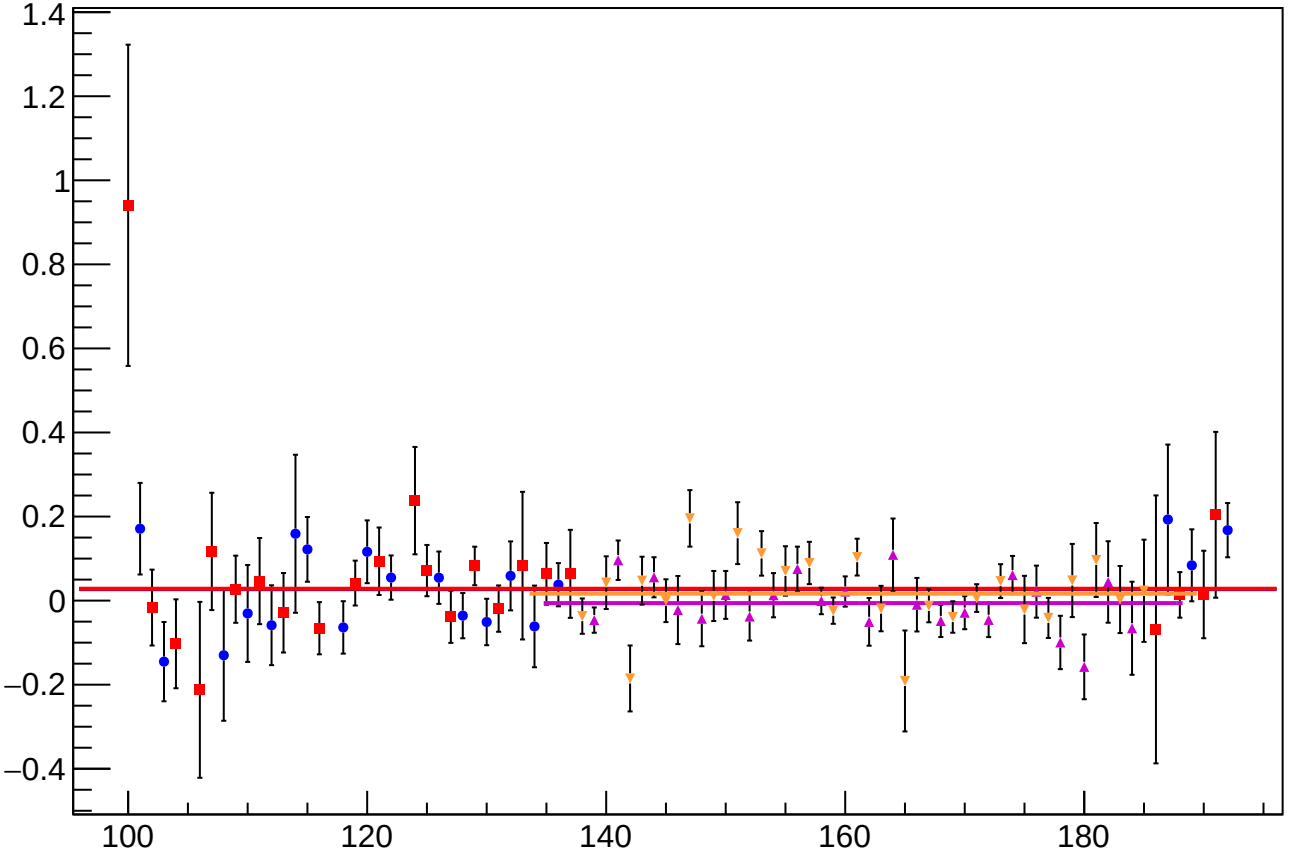
Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.733+/-0.006 χ^2/NDF: 4773804.7/43

All: 42.990+/-0.004 χ^2/NDF: 9984495.4/89

- sign 42.267+/-0.006 χ^2/NDF: 5182979.2/45

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.027+/-0.017 χ^2/NDF: 23.6/18

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

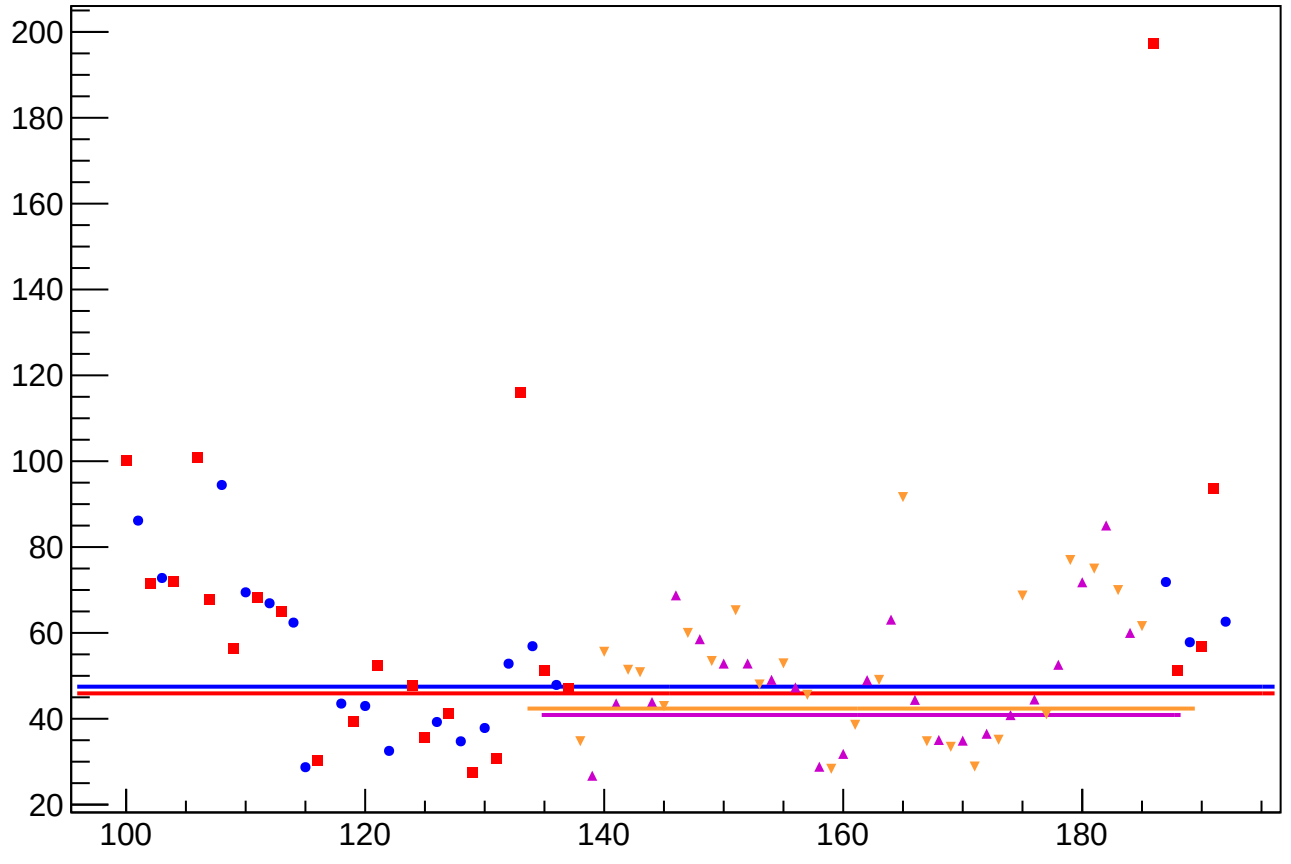
Right Out: 0.028+/-0.017 χ^2/NDF: 20.5/22

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.0/43

All: 0.011+/-0.006 χ^2/NDF: 116.1/89

- sign 0.004+/-0.009 χ^2/NDF: 49.5/45



Right In: 47.476+/-0.012 χ^2/NDF: 1453424.5/18

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

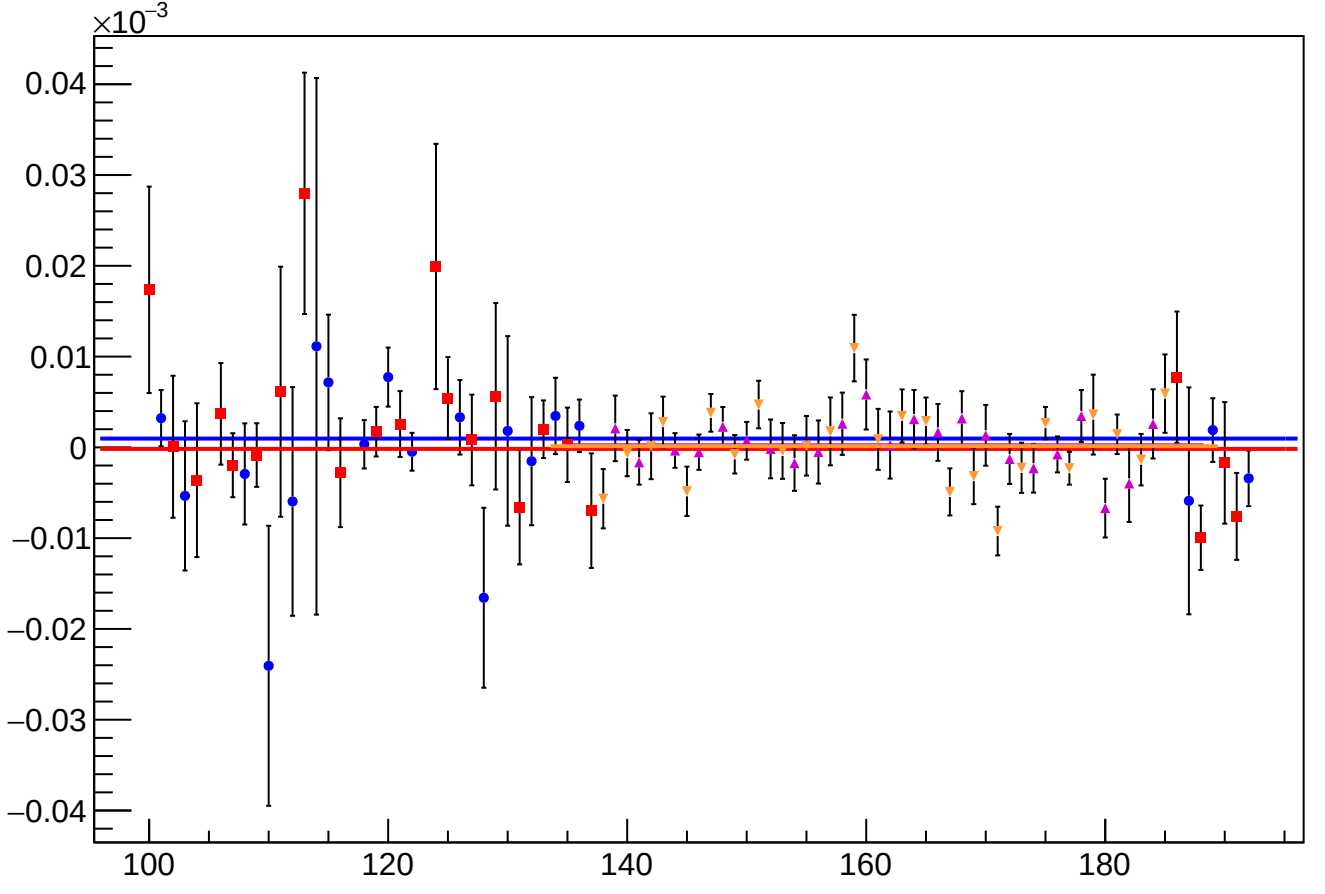
Right Out: 45.913+/-0.012 χ^2/NDF: 2372697.7/22

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

\+ sign 43.733+/-0.006 χ^2/NDF: 4773804.7/43

All: 42.990+/-0.004 χ^2/NDF: 9984495.4/89

\- sign 42.267+/-0.006 χ^2/NDF: 5182979.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

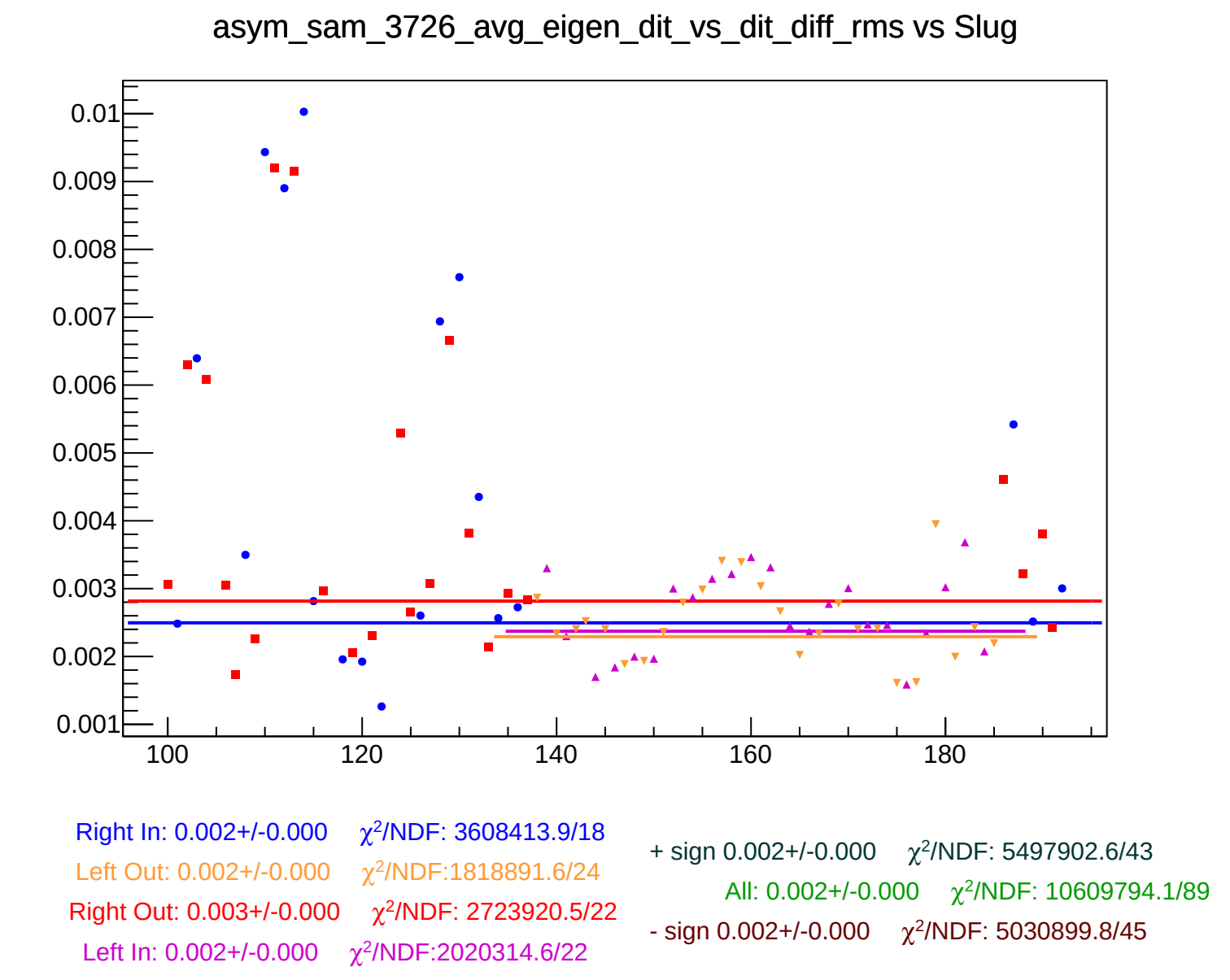
Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/22

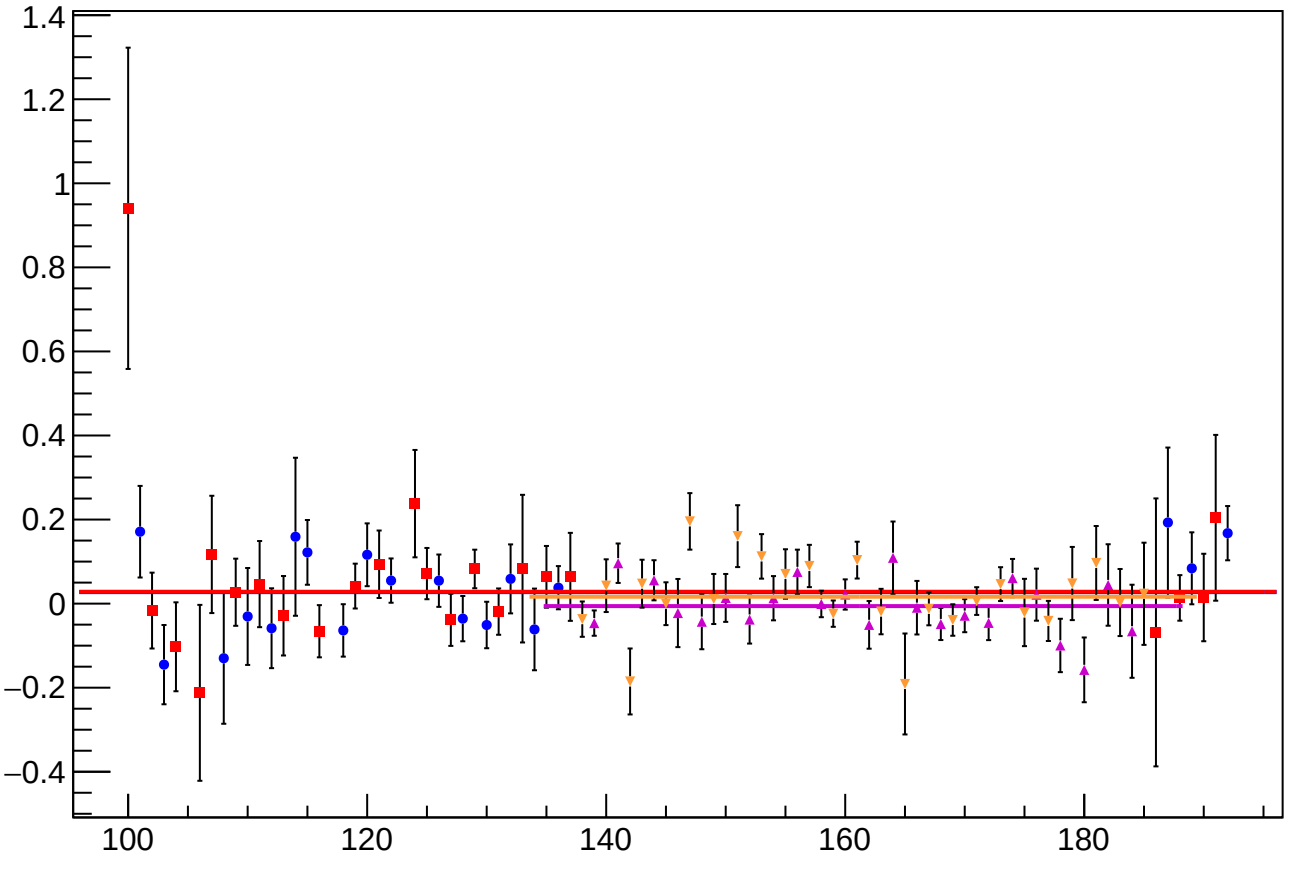
Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.3/43

All: 0.000+/-0.000 χ^2/NDF: 110.7/89

- sign 0.000+/-0.000 χ^2/NDF: 43.3/45


asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
Right In: 0.002+/-0.000 χ²/NDF: 3608413.9/18
Left Out: 0.002+/-0.000 χ²/NDF:1818891.6/24
Right Out: 0.003+/-0.000 χ²/NDF: 2723920.5/22
Left In: 0.002+/-0.000 χ²/NDF:2020314.6/22
+ sign 0.002+/-0.000 χ²/NDF: 5497902.6/43
All: 0.002+/-0.000 χ²/NDF: 10609794.1/89
- sign 0.002+/-0.000 χ²/NDF: 5030899.8/45



Right In: 0.027+/-0.017 χ^2/NDF: 23.6/18

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

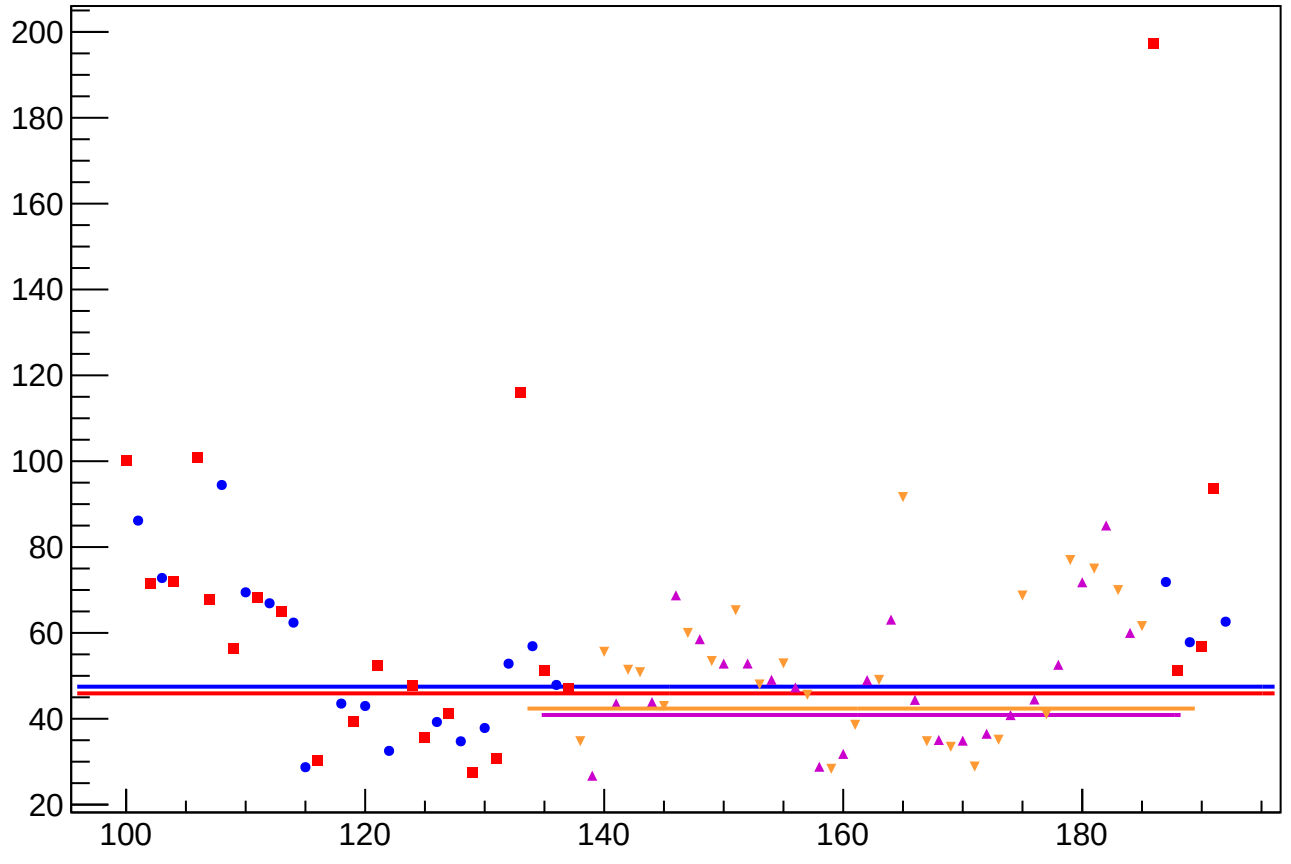
Right Out: 0.028+/-0.017 χ^2/NDF: 20.5/22

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.0/43

All: 0.011+/-0.006 χ^2/NDF: 116.1/89

- sign 0.004+/-0.009 χ^2/NDF: 49.5/45



Right In: 47.476+/-0.012 χ^2/NDF: 1453381.0/18

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

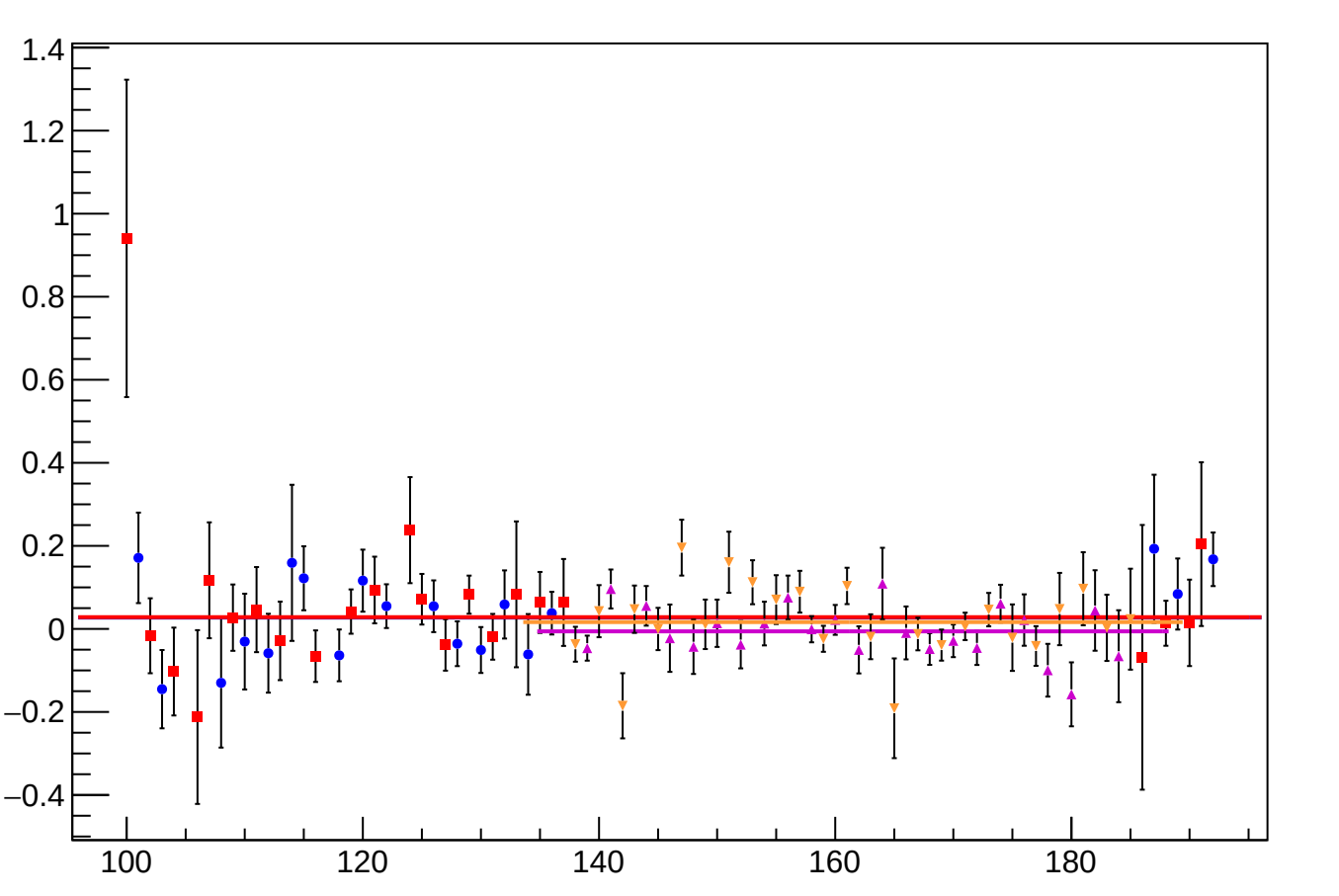
Right Out: 45.914+/-0.012 χ^2/NDF: 2372611.8/22

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.733+/-0.006 χ^2/NDF: 4773773.0/43

All: 42.991+/-0.004 χ^2/NDF: 9984390.7/89

- sign 42.267+/-0.006 χ^2/NDF: 5182911.6/45



Right In: 0.027+/-0.017 χ^2/NDF: 23.6/18

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

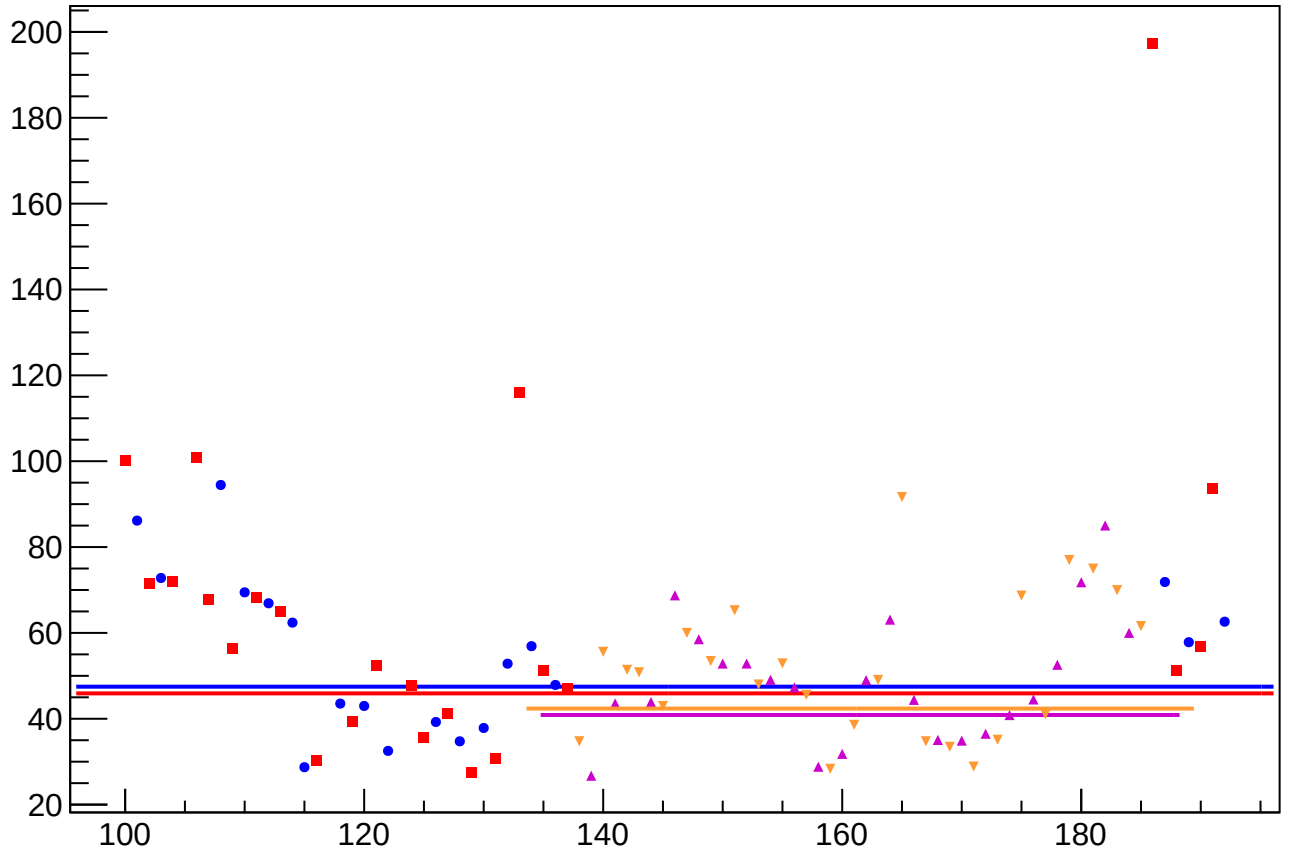
Right Out: 0.028+/-0.017 χ^2/NDF: 20.5/22

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.0/43

All: 0.011+/-0.006 χ^2/NDF: 116.1/89

- sign 0.004+/-0.009 χ^2/NDF: 49.5/45



Right In: 47.476+/-0.012 χ^2/NDF: 1453381.0/18

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

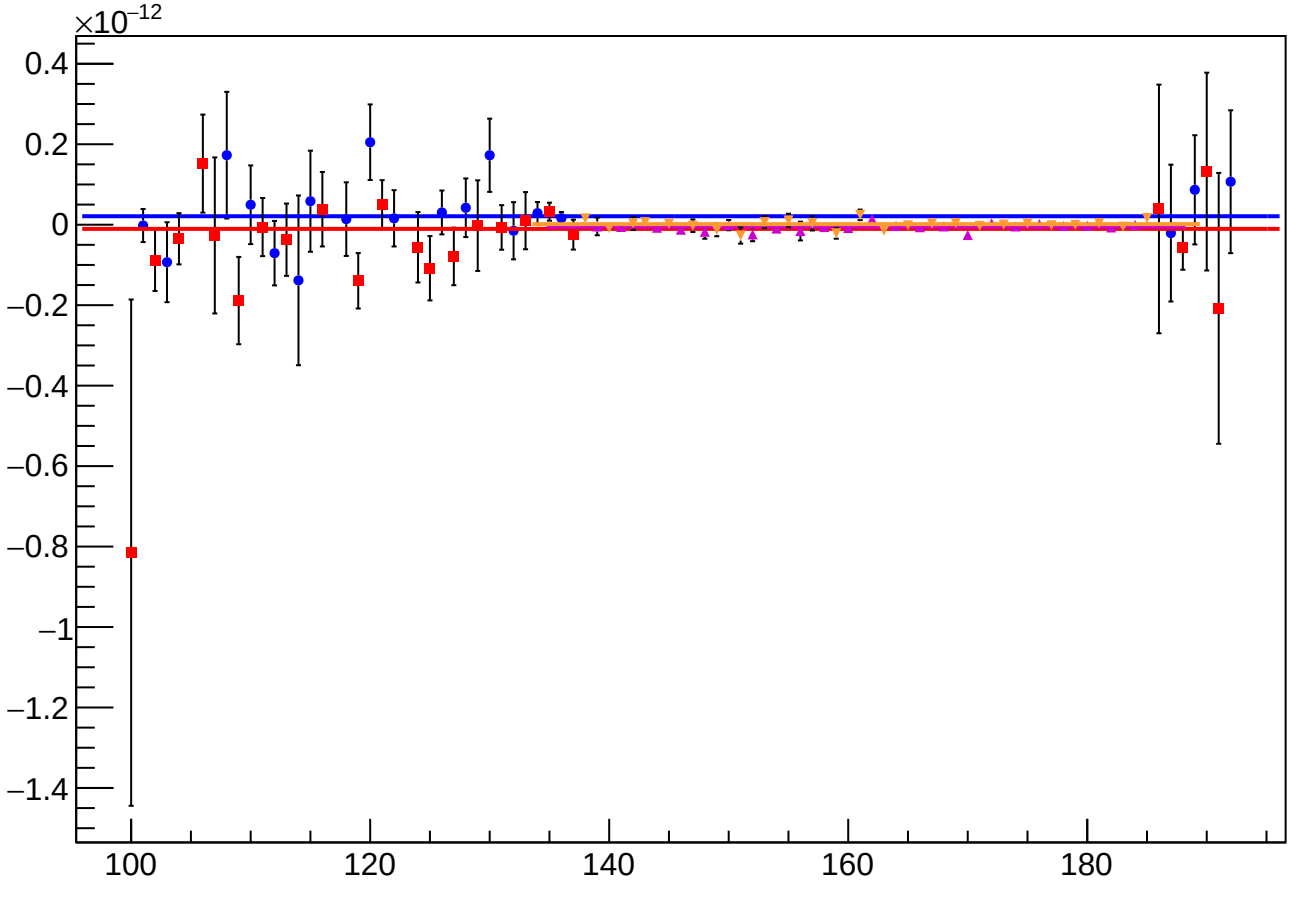
Right Out: 45.914+/-0.012 χ^2/NDF: 2372611.8/22

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.733+/-0.006 χ^2/NDF: 4773773.0/43

All: 42.991+/-0.004 χ^2/NDF: 9984390.7/89

- sign 42.267+/-0.006 χ^2/NDF: 5182911.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 12.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

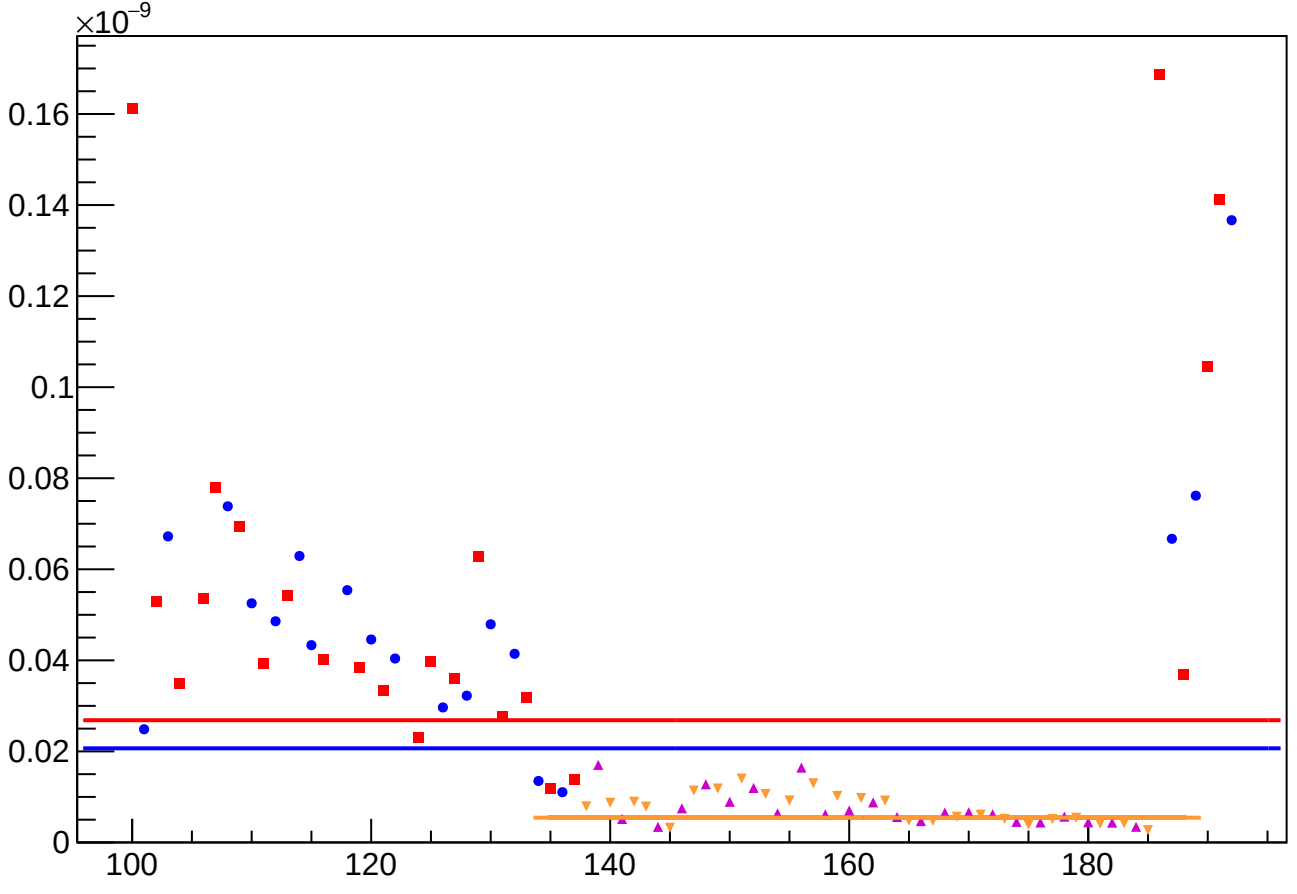
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/22

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.0/43

All: -0.000+/-0.000 χ^2/NDF: 76.9/89

- sign -0.000+/-0.000 χ^2/NDF: 33.5/45



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

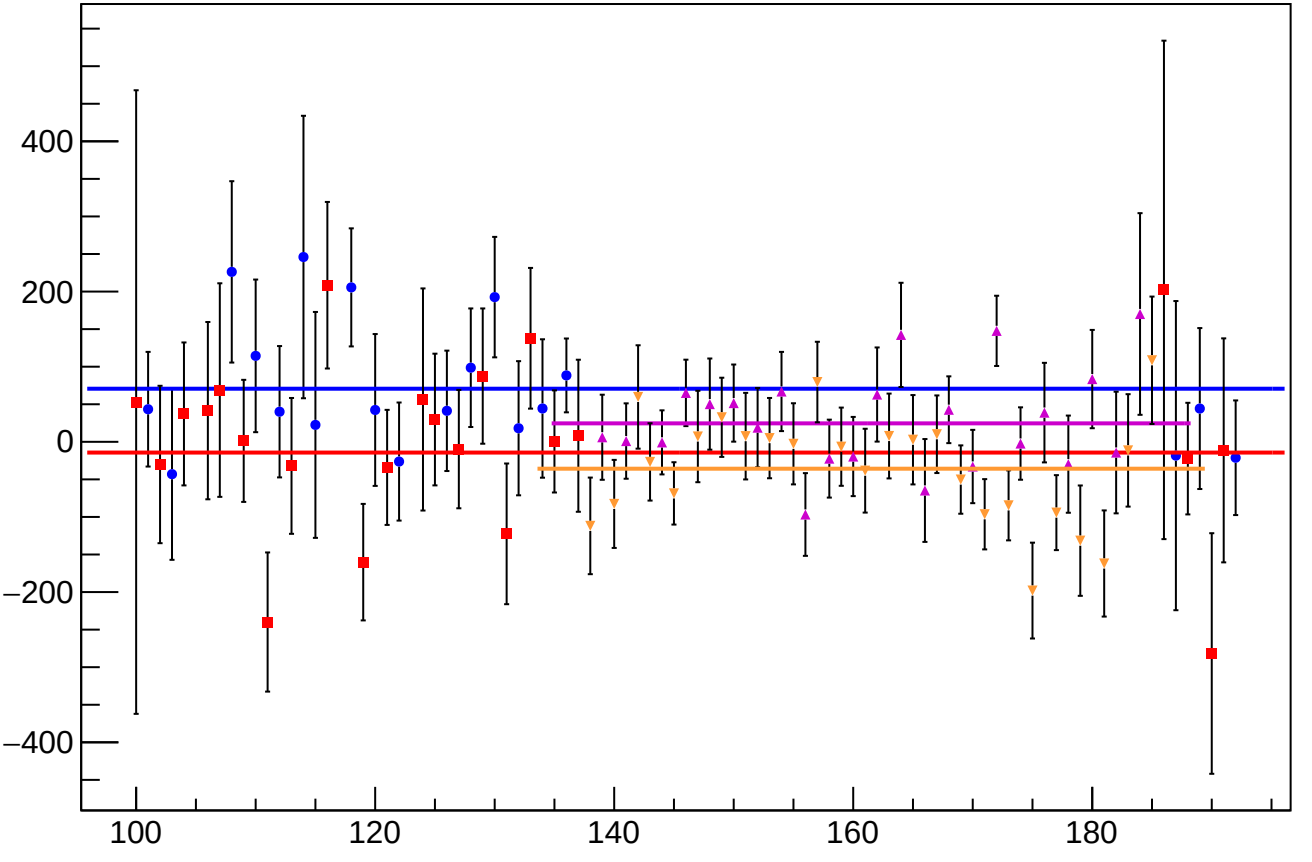
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 12059408.2/43

All: 0.000+/-0.000 χ^2/NDF: 23605348.8/89

- sign 0.000+/-0.000 χ^2/NDF: 11544983.9/45

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 70.684+/-20.199 χ^2/NDF: 13.4/18

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -14.305+/-20.352 χ^2/NDF: 23.6/22

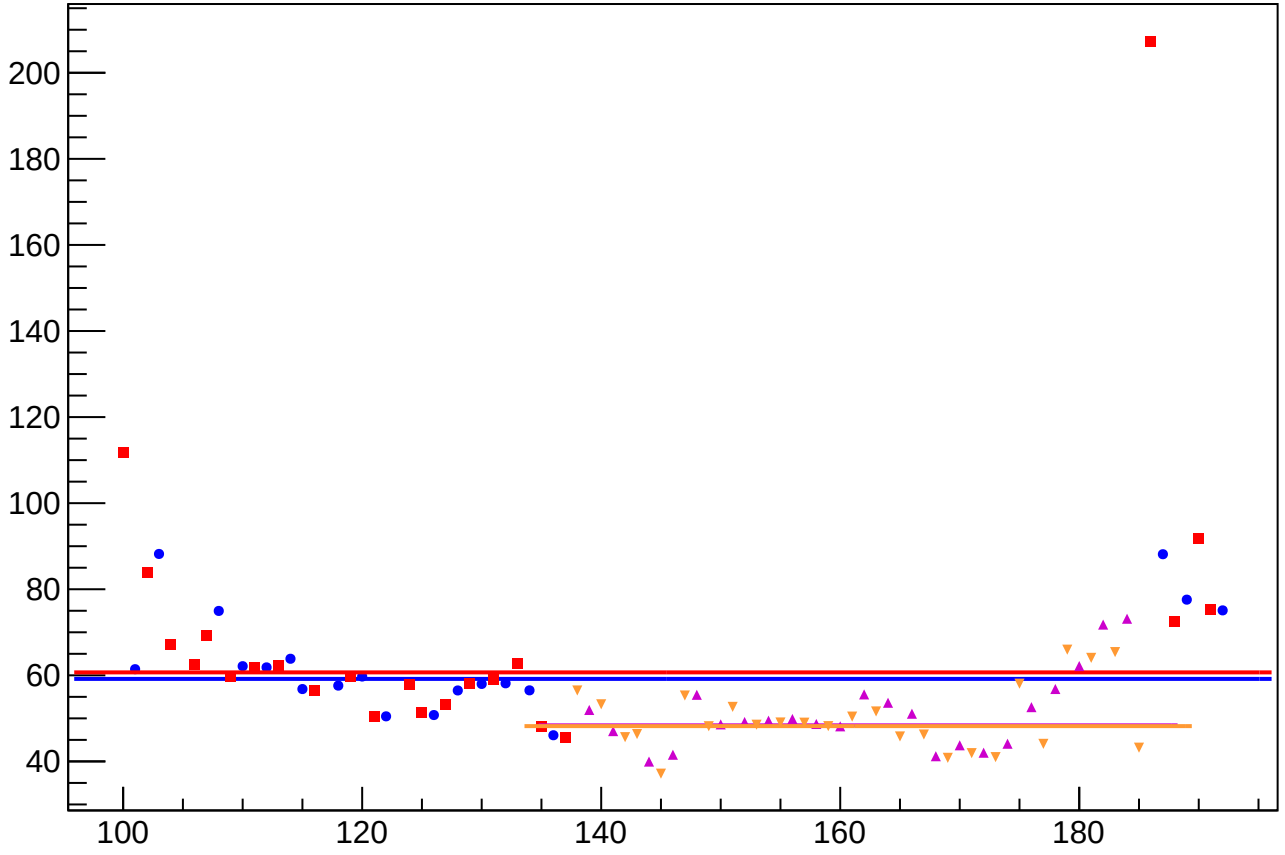
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -11.025+/-9.741 χ^2/NDF: 68.5/43

All: 1.752+/-6.975 χ^2/NDF: 124.1/89

- sign 15.199+/-9.993 χ^2/NDF: 52.1/45

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 59.171+/-0.014 χ^2/NDF: 550685.8/18

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

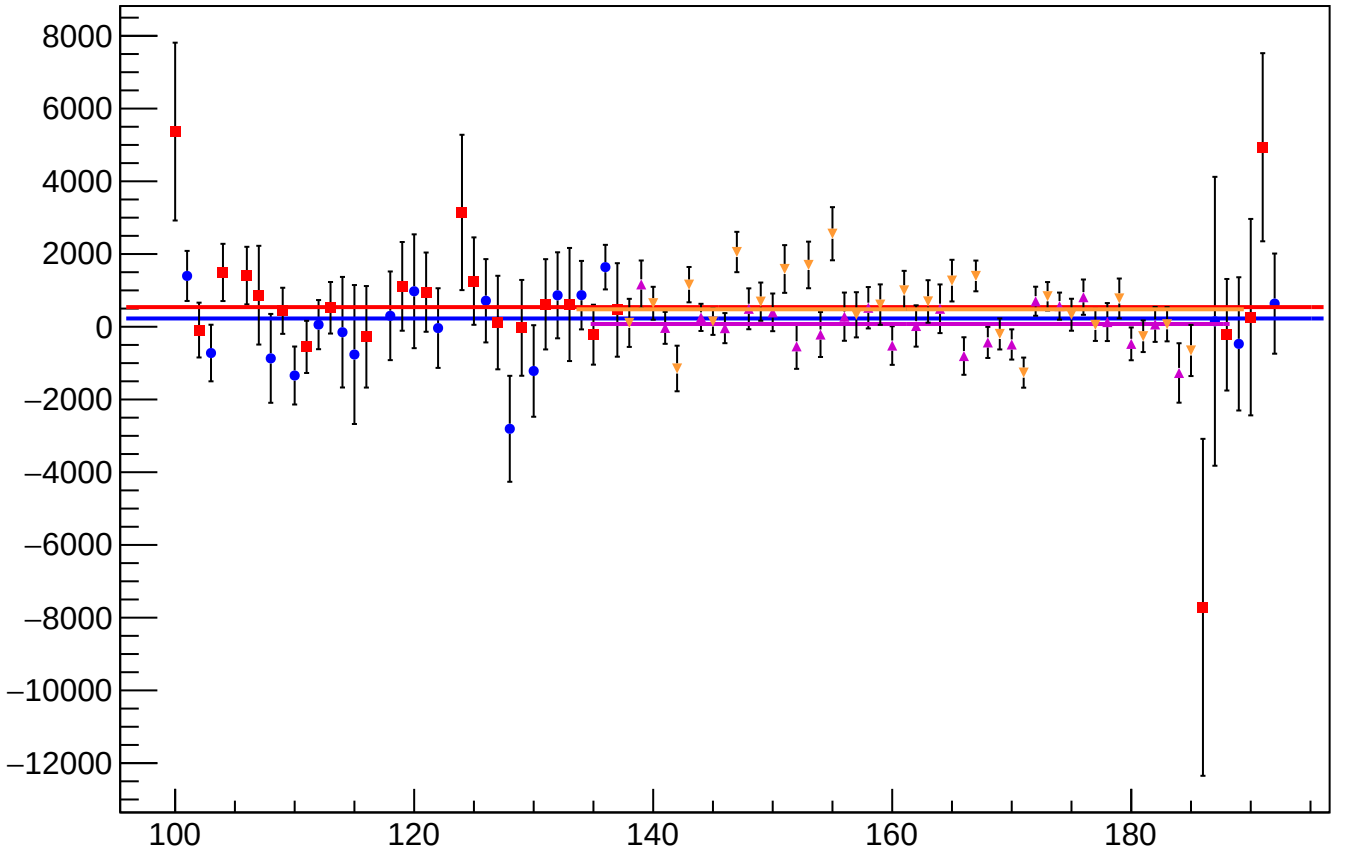
Right Out: 60.685+/-0.014 χ^2/NDF: 877707.0/22

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.750+/-0.007 χ^2/NDF: 1783899.2/43

All: 51.041+/-0.005 χ^2/NDF: 3915441.7/89

- sign 51.347+/-0.007 χ^2/NDF: 2127883.6/45



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

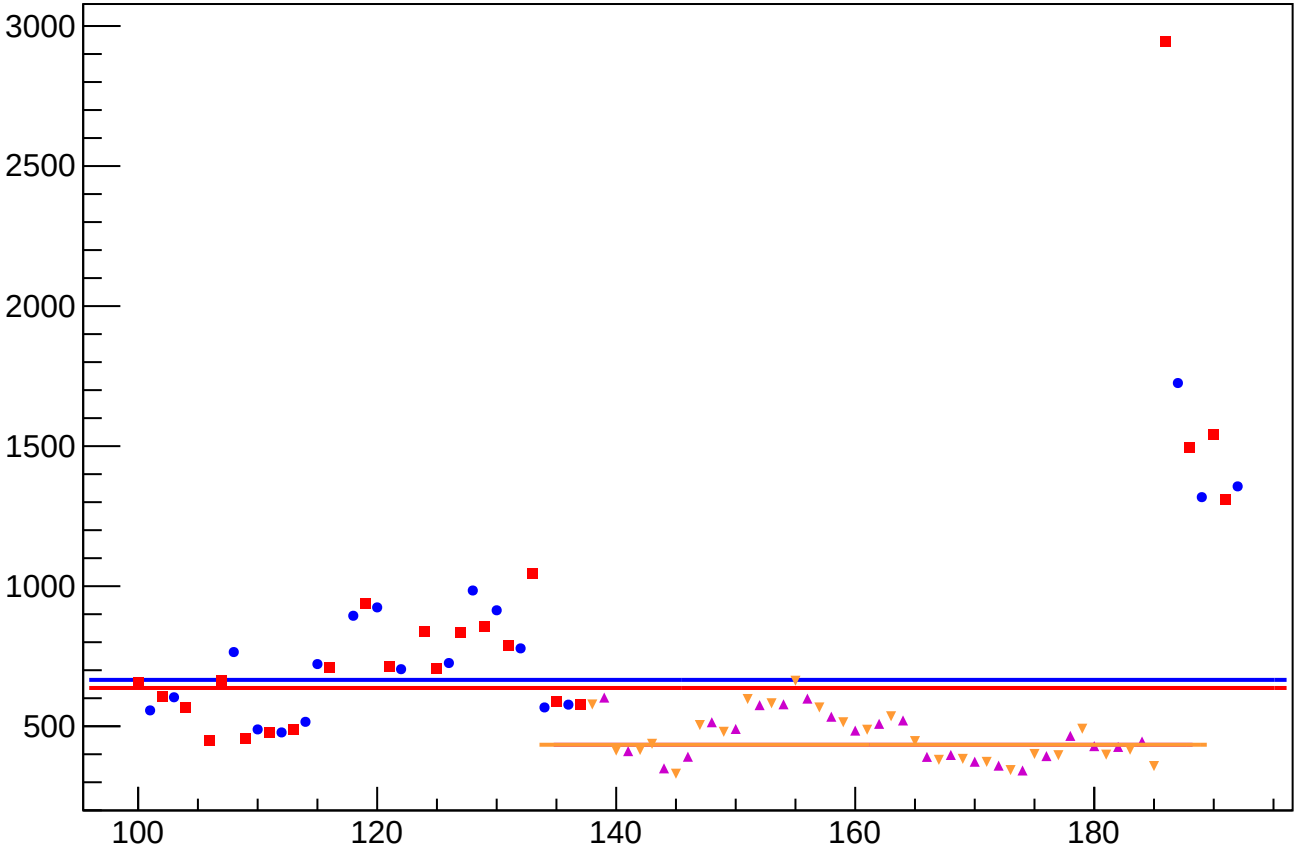
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 441.210+/-92.438 χ^2/NDF: 92.1/43

All: 301.151+/-65.770 χ^2/NDF: 144.4/89

- sign 157.555+/-93.598 χ^2/NDF: 47.7/45

asym_sam_15_48_dd_reg_correction_rms vs Slug



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

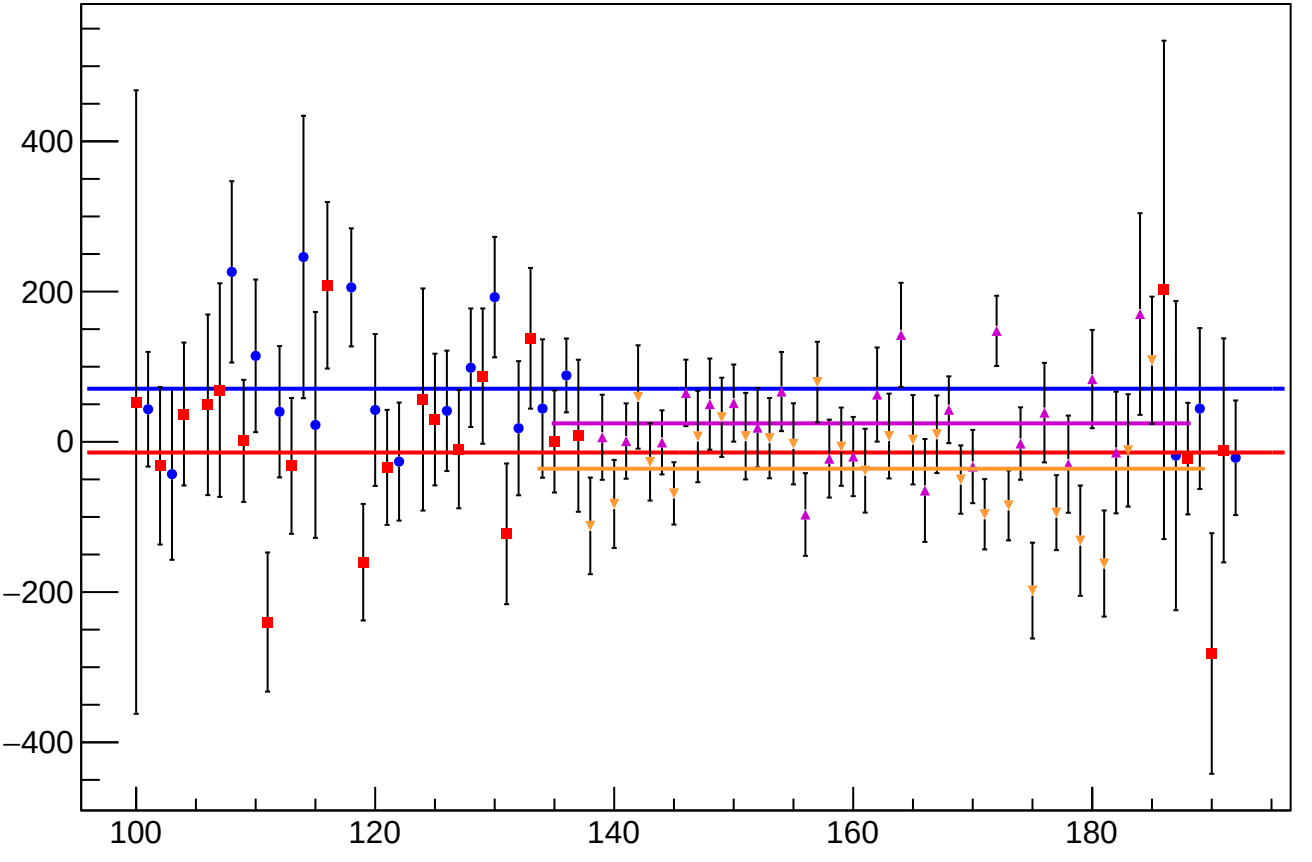
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 469.708+/-0.065 χ^2/NDF: 4520369.4/43

All: 469.597+/-0.047 χ^2/NDF: 9385993.0/89

- sign 469.483+/-0.066 χ^2/NDF: 4865617.7/45

cor_asym_sam_15_48_dd_mean vs Slug



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

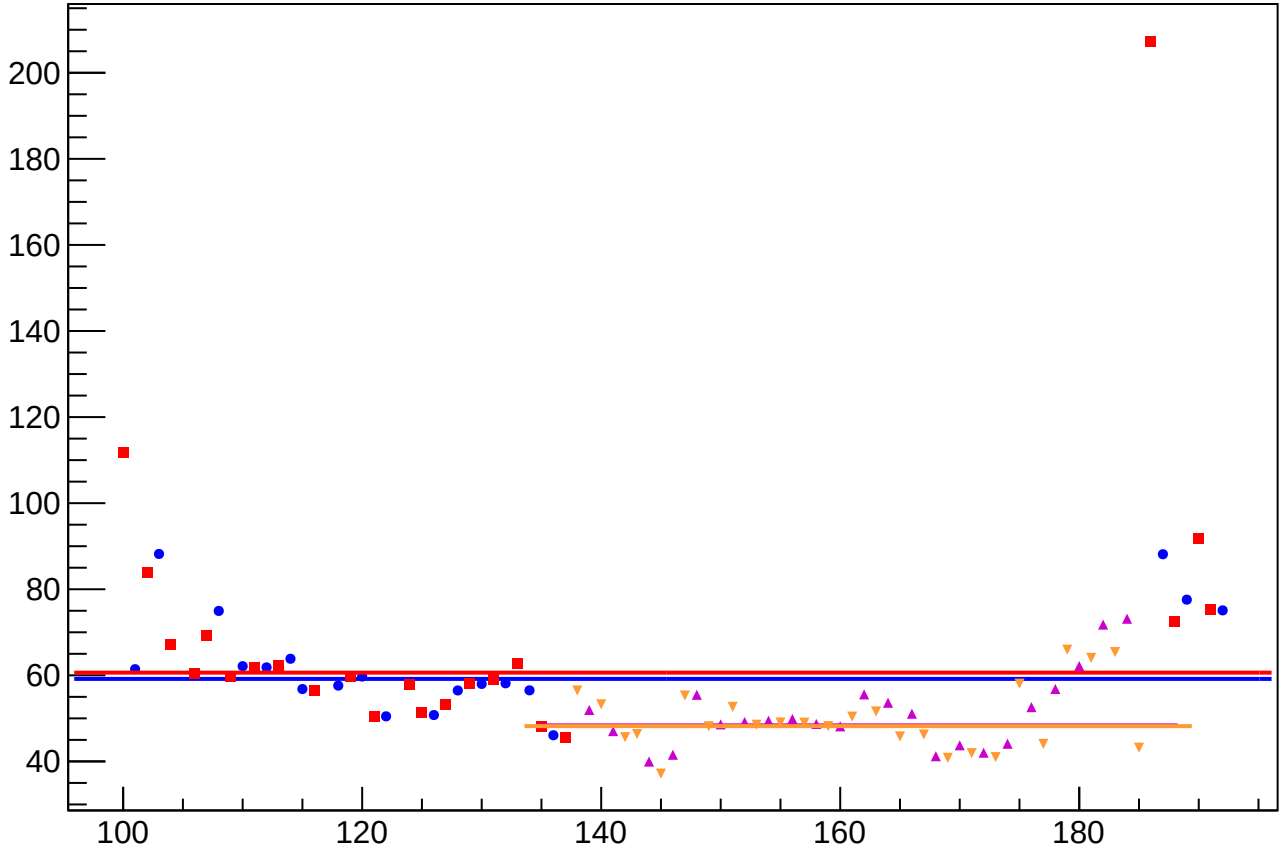
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -11.028+/-9.741 χ^2/NDF: 68.5/43

All: 1.764+/-6.976 χ^2/NDF: 124.2/89

- sign 15.230+/-9.994 χ^2/NDF: 52.2/45

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 59.171+/-0.014 χ^2/NDF: 550689.4/18

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

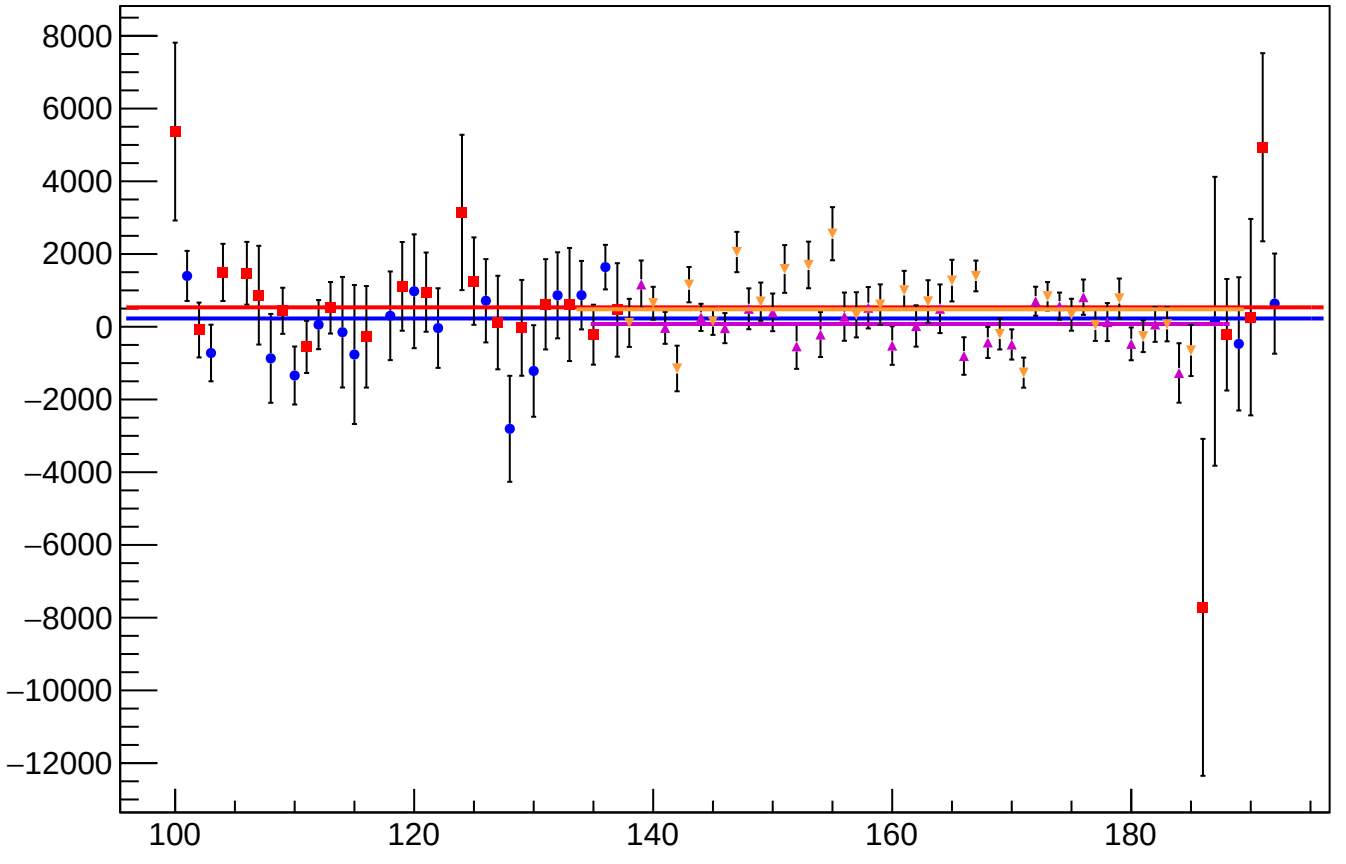
Right Out: 60.625+/-0.014 χ^2/NDF: 877468.9/22

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

\+ sign 50.750+/-0.007 χ^2/NDF: 1783903.2/43

All: 51.033+/-0.005 χ^2/NDF: 3909151.0/89

\- sign 51.330+/-0.007 χ^2/NDF: 2121794.1/45



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

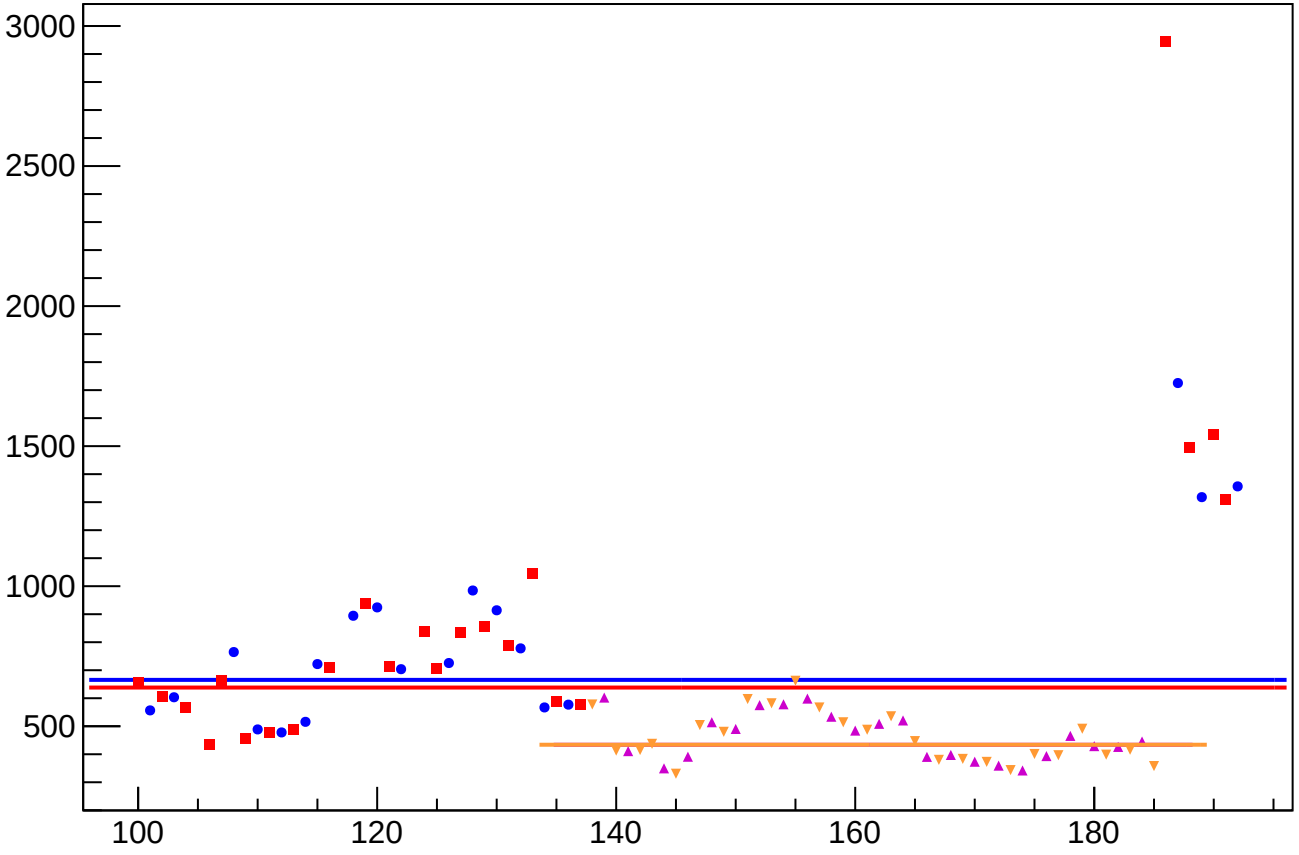
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 441.212+/-92.438 χ^2/NDF: 92.1/43

All: 300.333+/-65.806 χ^2/NDF: 144.3/89

- sign 155.574+/-93.702 χ^2/NDF: 47.6/45

asym_sam_15_48_dd_cor_correction_rms vs Slug



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

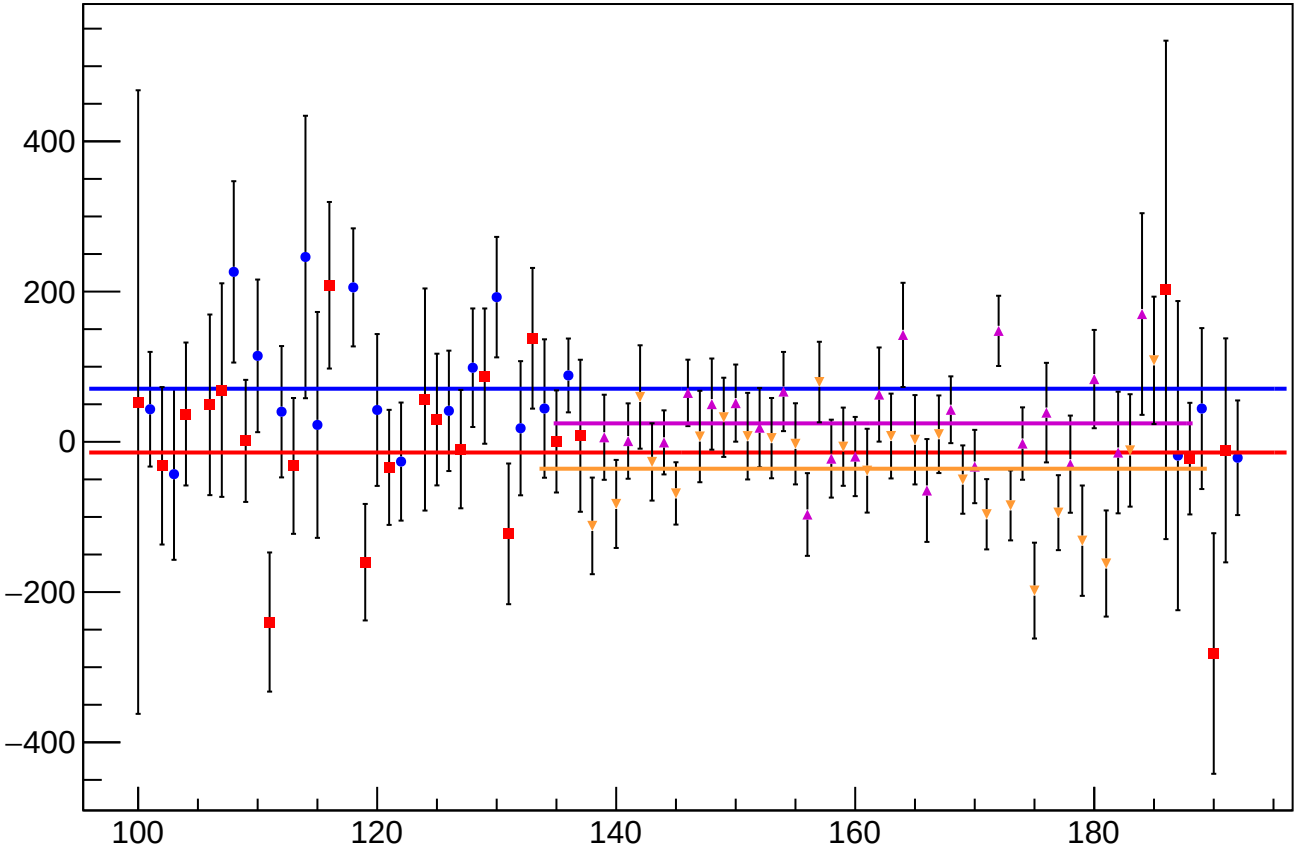
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 469.708+/-0.065 χ^2/NDF: 4520398.6/43

All: 469.546+/-0.047 χ^2/NDF: 9388031.2/89

- sign 469.379+/-0.066 χ^2/NDF: 4867620.0/45

eigen_cor_asym_sam_15_48_dd_mean vs Slug



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

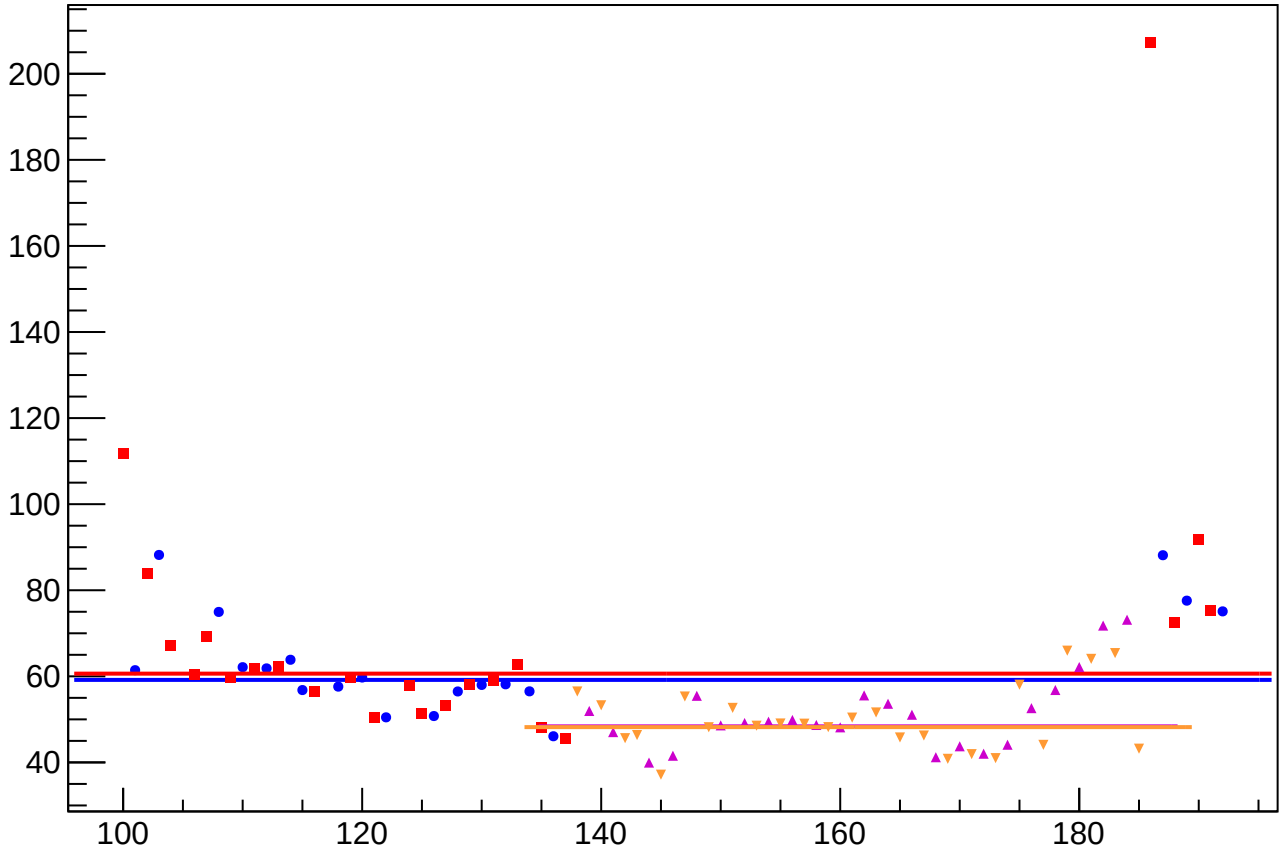
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -11.028+/-9.741 χ^2/NDF: 68.5/43

All: 1.764+/-6.976 χ^2/NDF: 124.2/89

- sign 15.230+/-9.994 χ^2/NDF: 52.2/45

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 59.171+/-0.014 χ^2/NDF: 550689.4/18

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

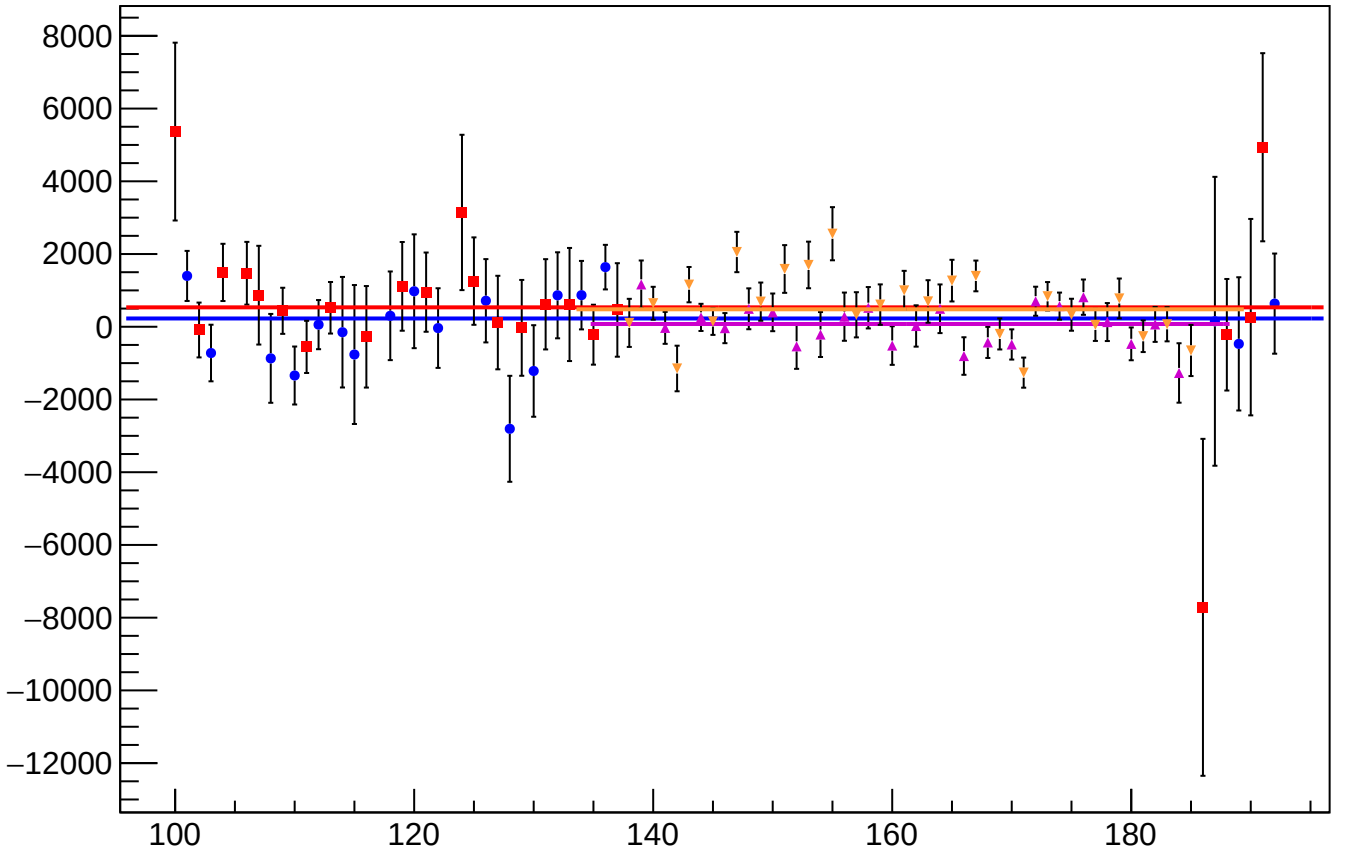
Right Out: 60.625+/-0.014 χ^2/NDF: 877468.9/22

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.750+/-0.007 χ^2/NDF: 1783903.2/43

All: 51.033+/-0.005 χ^2/NDF: 3909151.0/89

- sign 51.330+/-0.007 χ^2/NDF: 2121794.1/45



Right In: 227.686+/-235.222 χ^2/NDF: 21.9/18

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

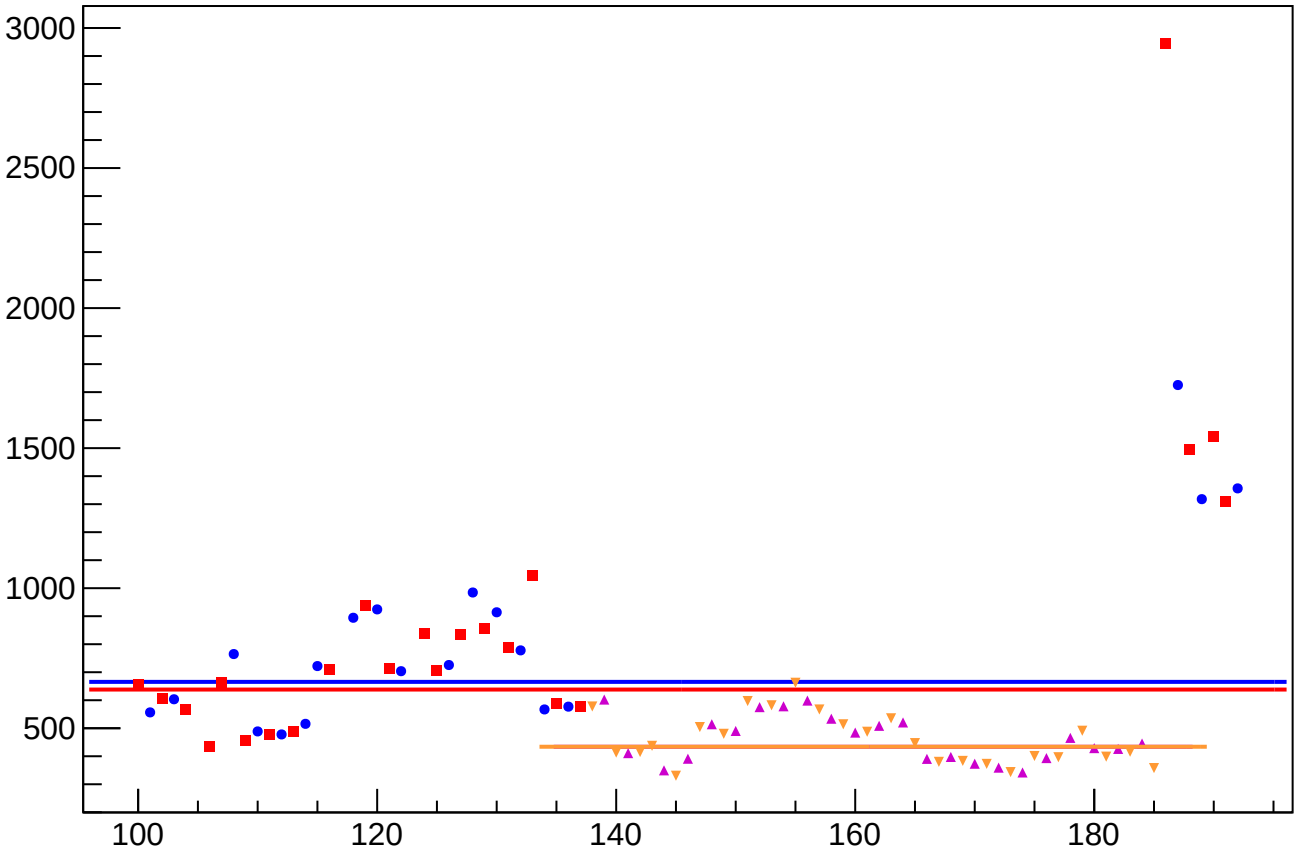
Right Out: 533.736+/-224.347 χ^2/NDF: 19.7/22

Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 441.212+/-92.438 χ^2/NDF: 92.1/43

All: 300.333+/-65.806 χ^2/NDF: 144.3/89

- sign 155.574+/-93.702 χ^2/NDF: 47.6/45



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

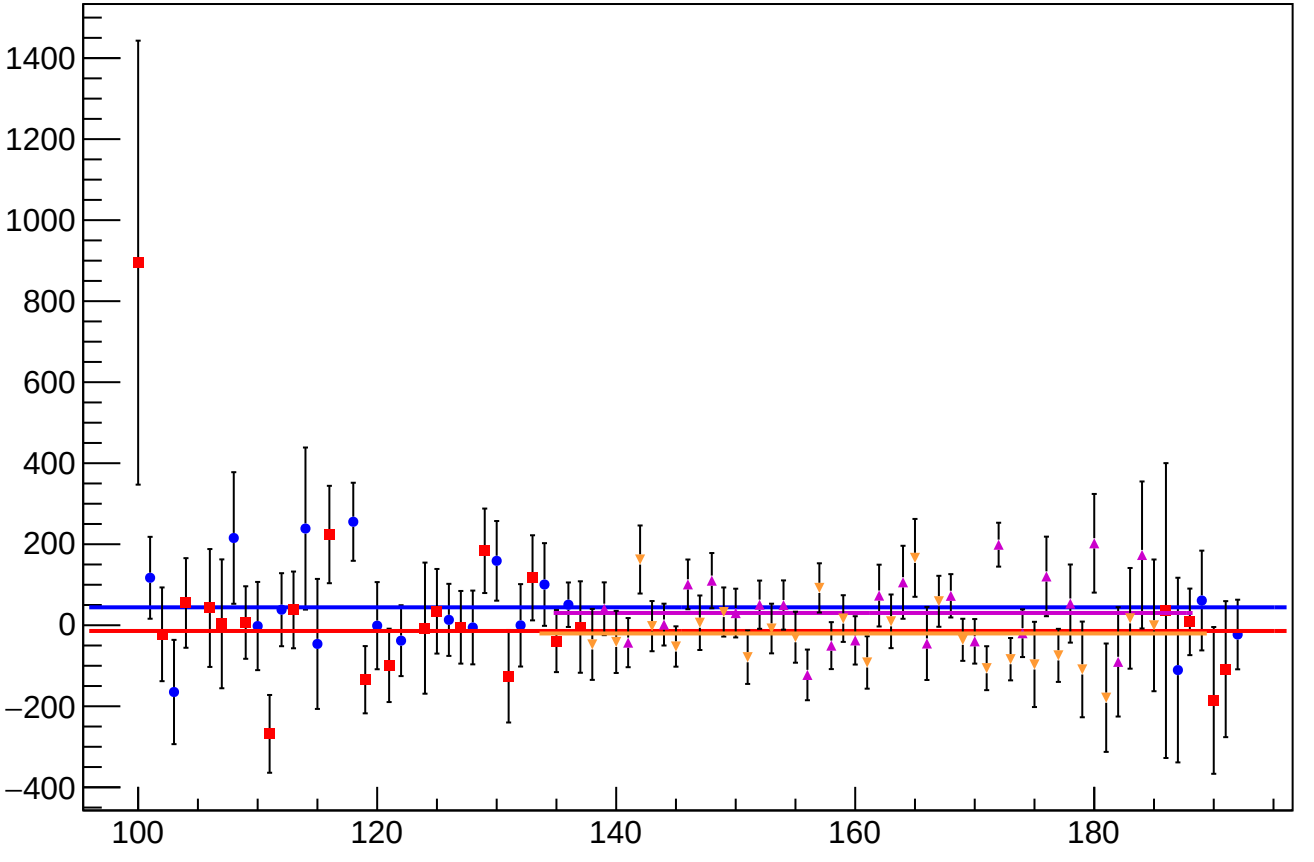
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 469.708+/-0.065 χ^2/NDF: 4520398.6/43

All: 469.546+/-0.047 χ^2/NDF: 9388031.2/89

- sign 469.379+/-0.066 χ^2/NDF: 4867620.0/45

dit_asym_sam_15_48_dd_mean vs Slug



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

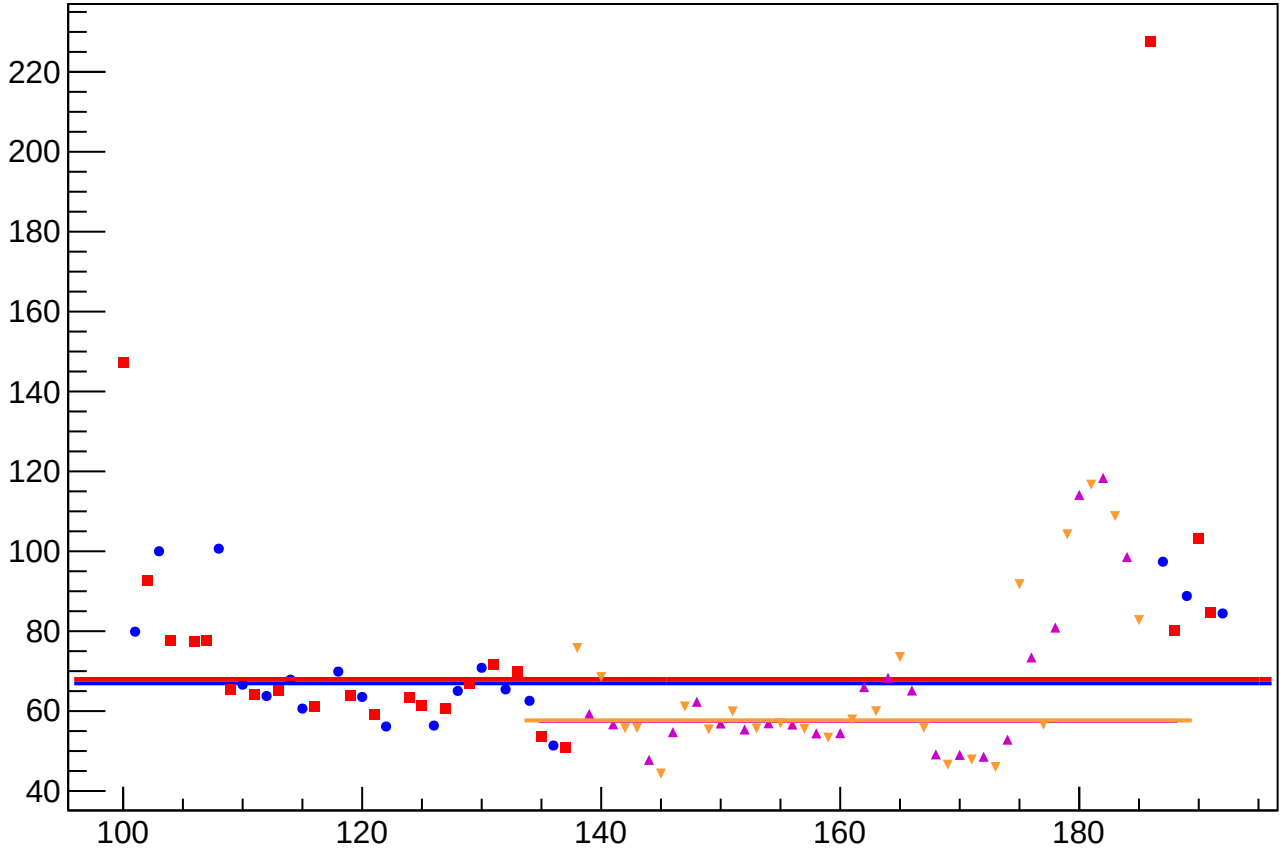
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

\+ sign -3.499+/-11.732 χ^2/NDF: 45.9/43

All: 7.186+/-8.364 χ^2/NDF: 108.3/89

\- sign 18.229+/-11.927 χ^2/NDF: 60.7/45

dit_asym_sam_15_48_dd_rms vs Slug



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

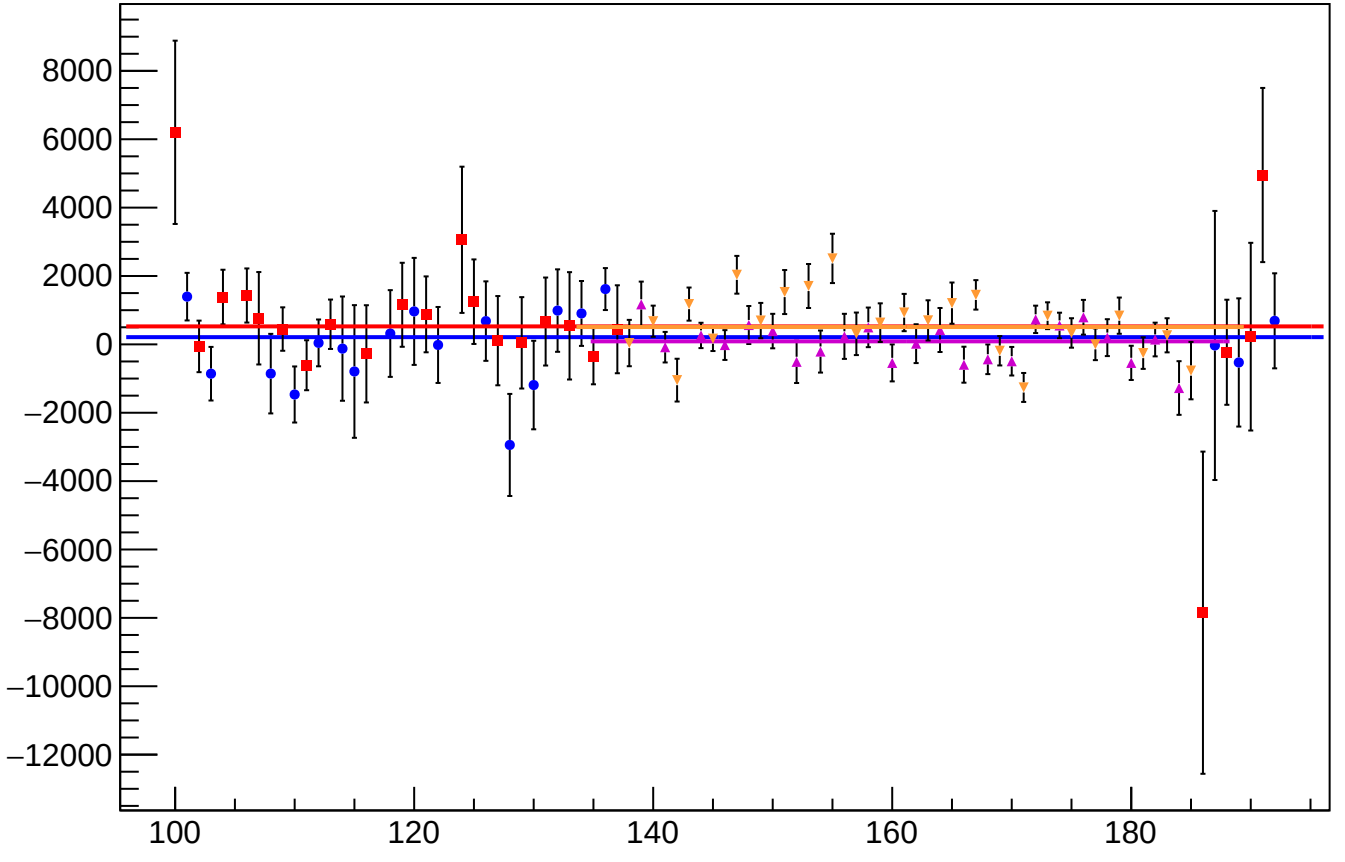
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

\+ sign 60.081+/-0.008 χ^2/NDF: 2820462.8/43

All: 60.236+/-0.006 χ^2/NDF: 5439469.6/89

\- sign 60.396+/-0.008 χ^2/NDF: 2618299.1/45

asym_sam_15_48_dd_dit_correction_mean vs Slug



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

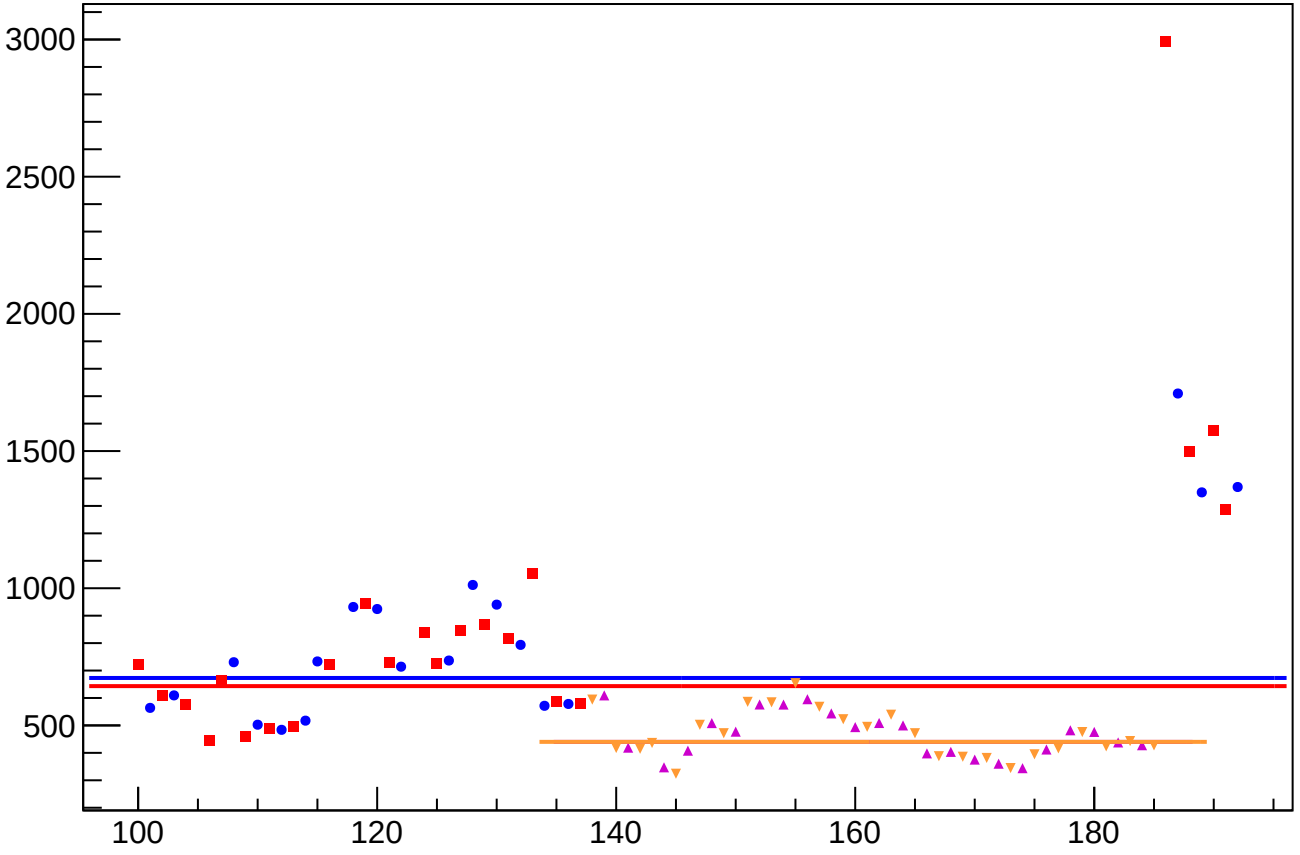
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 461.343+/-93.564 χ^2/NDF: 89.9/43

All: 315.639+/-66.601 χ^2/NDF: 141.4/89

- sign 165.980+/-94.825 χ^2/NDF: 46.7/45

asym_sam_15_48_dd_dit_correction_rms vs Slug



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

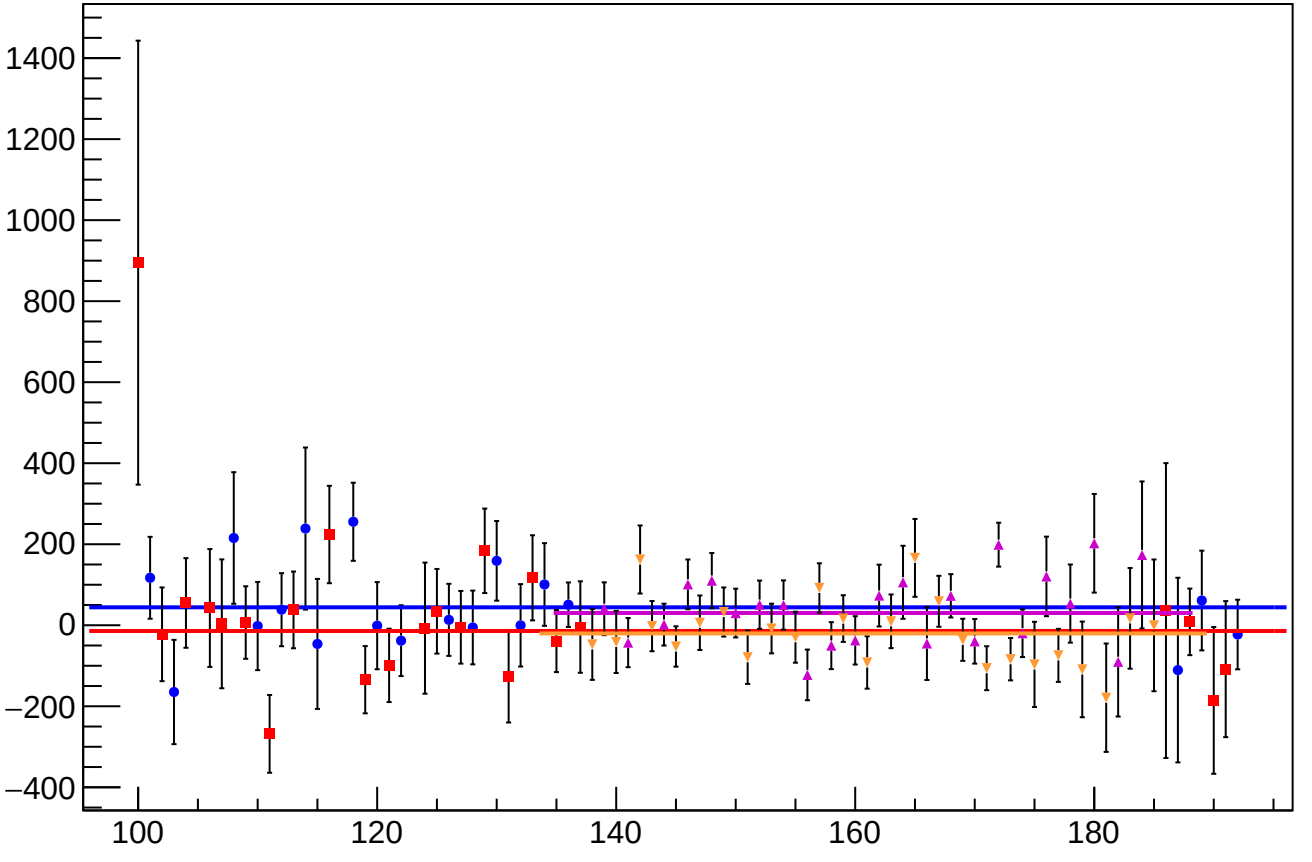
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

\+ sign 476.143+/-0.066 χ^2/NDF: 4470097.1/43

All: 476.034+/-0.047 χ^2/NDF: 9292410.9/89

\- sign 475.923+/-0.067 χ^2/NDF: 4822308.4/45

eigen_dit_asym_sam_15_48_dd_mean vs Slug



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

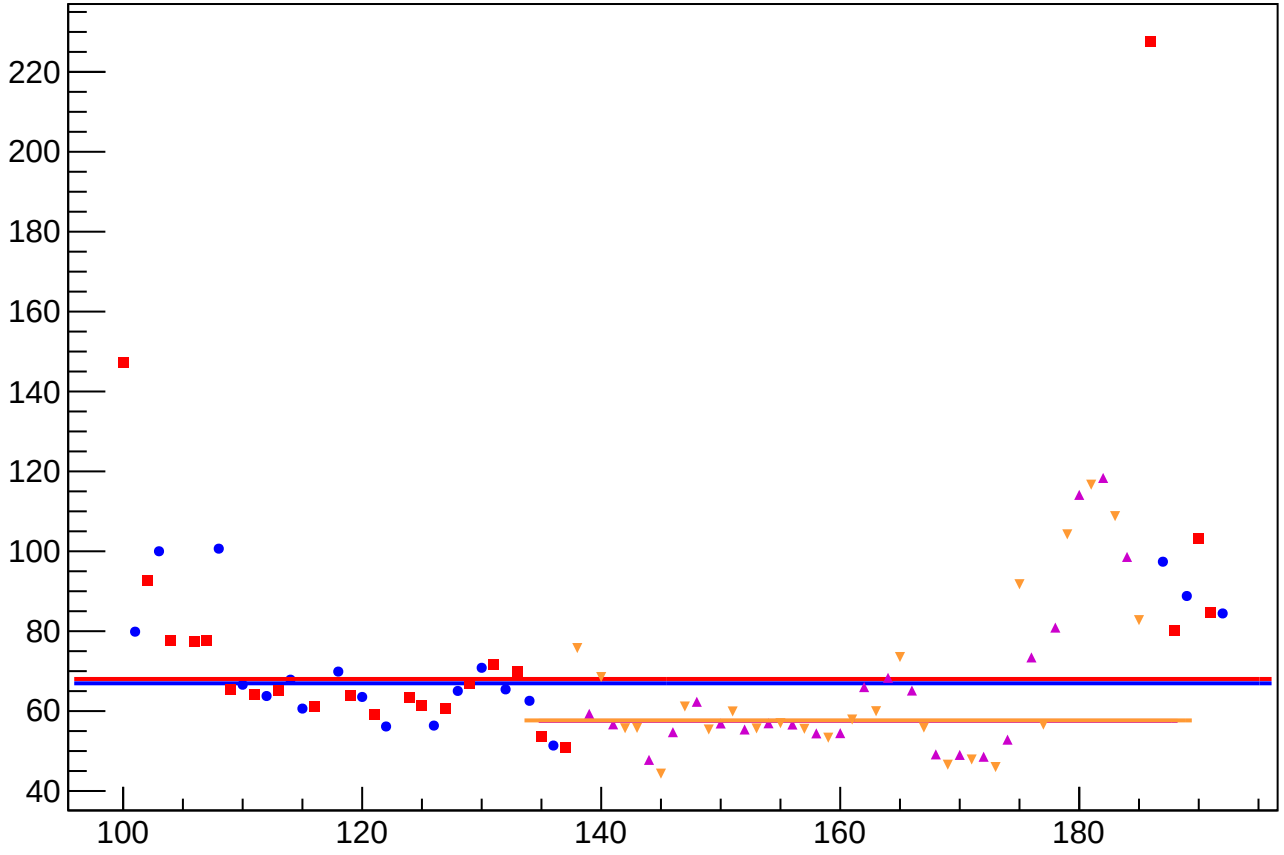
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -3.500+/-11.732 χ^2/NDF: 45.9/43

All: 7.185+/-8.364 χ^2/NDF: 108.3/89

- sign 18.229+/-11.927 χ^2/NDF: 60.7/45

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 66.955+/-0.016 χ^2/NDF: 669715.3/18

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

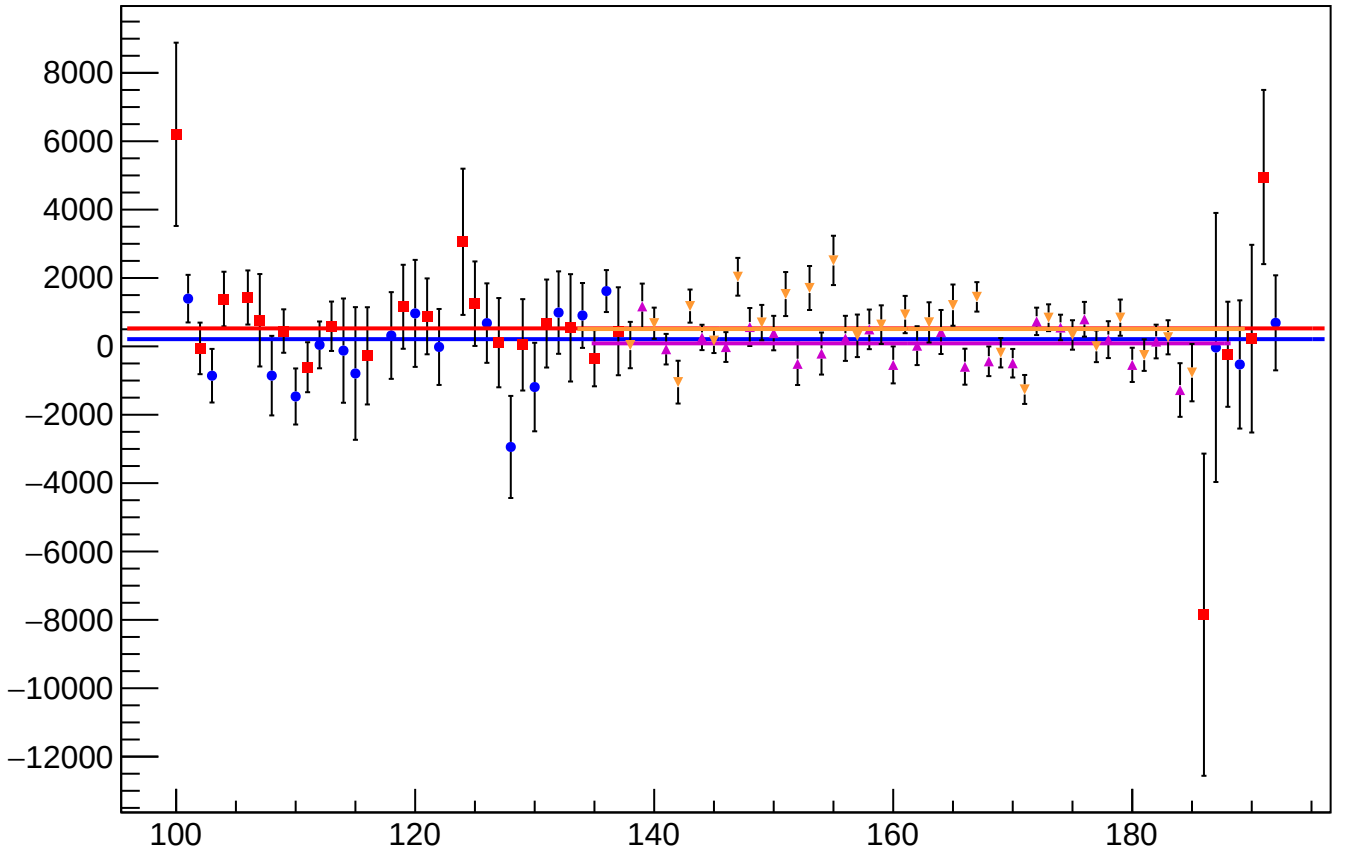
Right Out: 68.041+/-0.016 χ^2/NDF: 868011.6/22

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 60.081+/-0.008 χ^2/NDF: 2820440.0/43

All: 60.236+/-0.006 χ^2/NDF: 5439430.7/89

- sign 60.396+/-0.008 χ^2/NDF: 2618283.3/45



Right In: 211.258+/-237.753 χ^2/NDF: 22.7/18

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

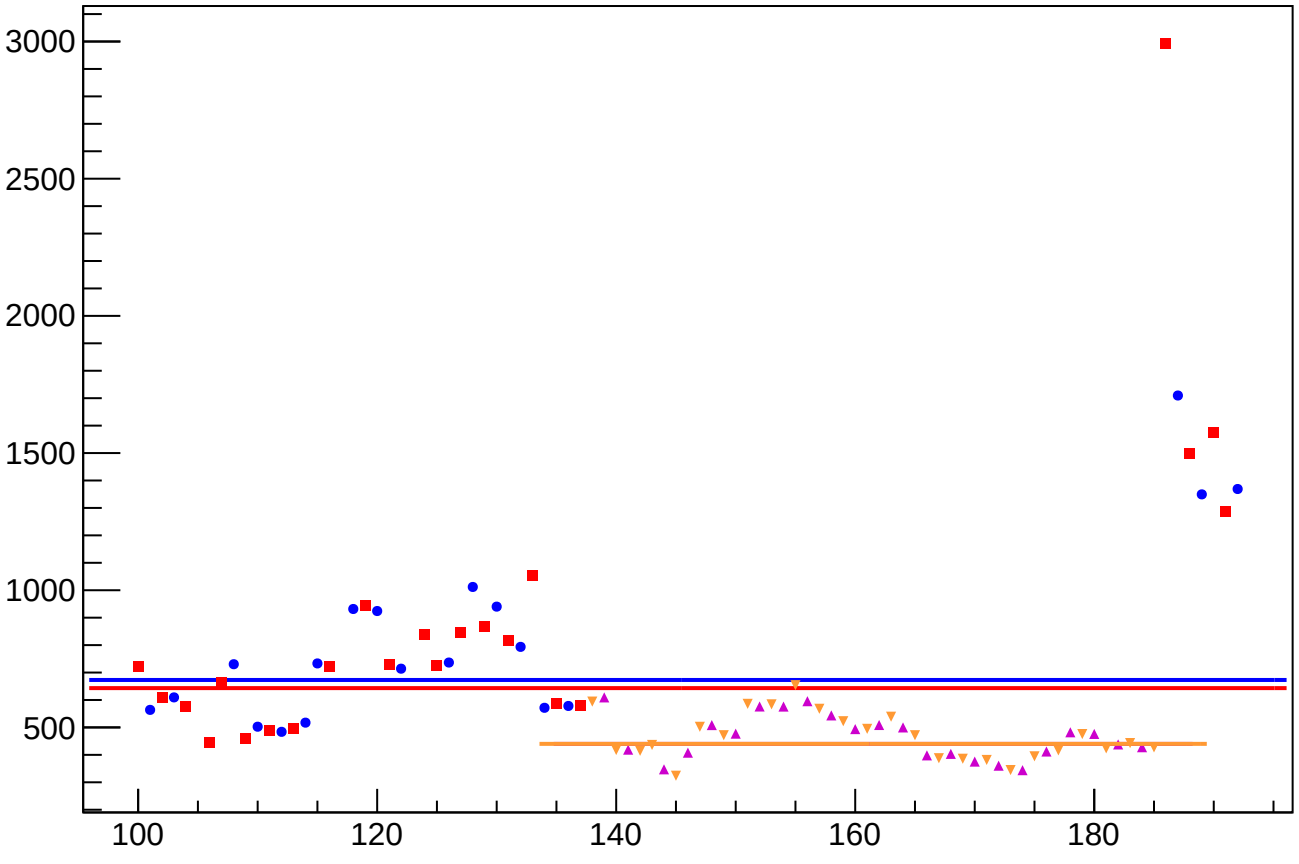
Right Out: 525.769+/-225.236 χ^2/NDF: 20.3/22

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

\+ sign 461.342+/-93.564 χ^2/NDF: 89.9/43

All: 315.638+/-66.601 χ^2/NDF: 141.4/89

\- sign 165.980+/-94.825 χ^2/NDF: 46.7/45



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

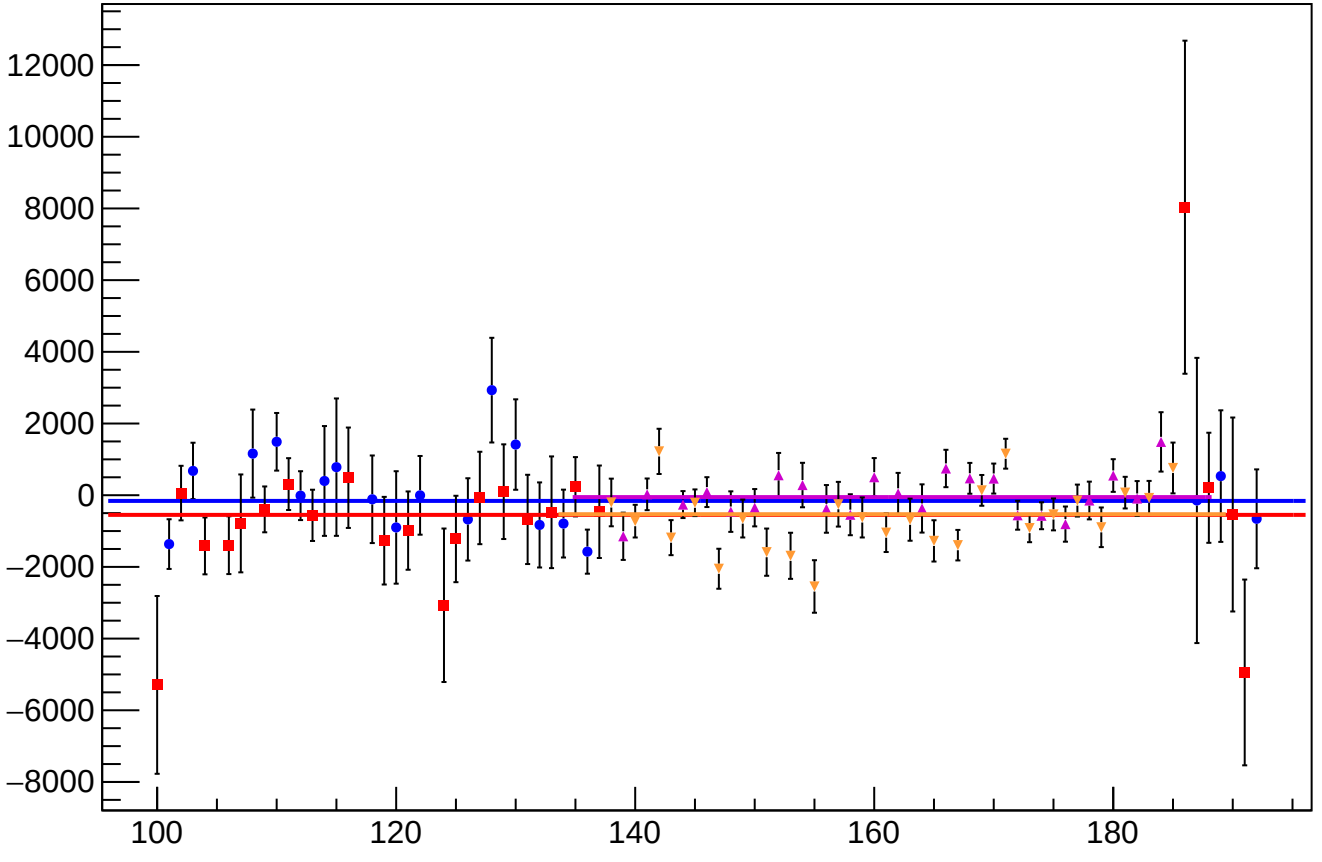
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

\+ sign 476.142+/-0.066 χ^2/NDF: 4470115.3/43

All: 476.033+/-0.047 χ^2/NDF: 9292447.2/89

\- sign 475.922+/-0.067 χ^2/NDF: 4822326.4/45

asym_sam_15_48_dd_mean vs Slug



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

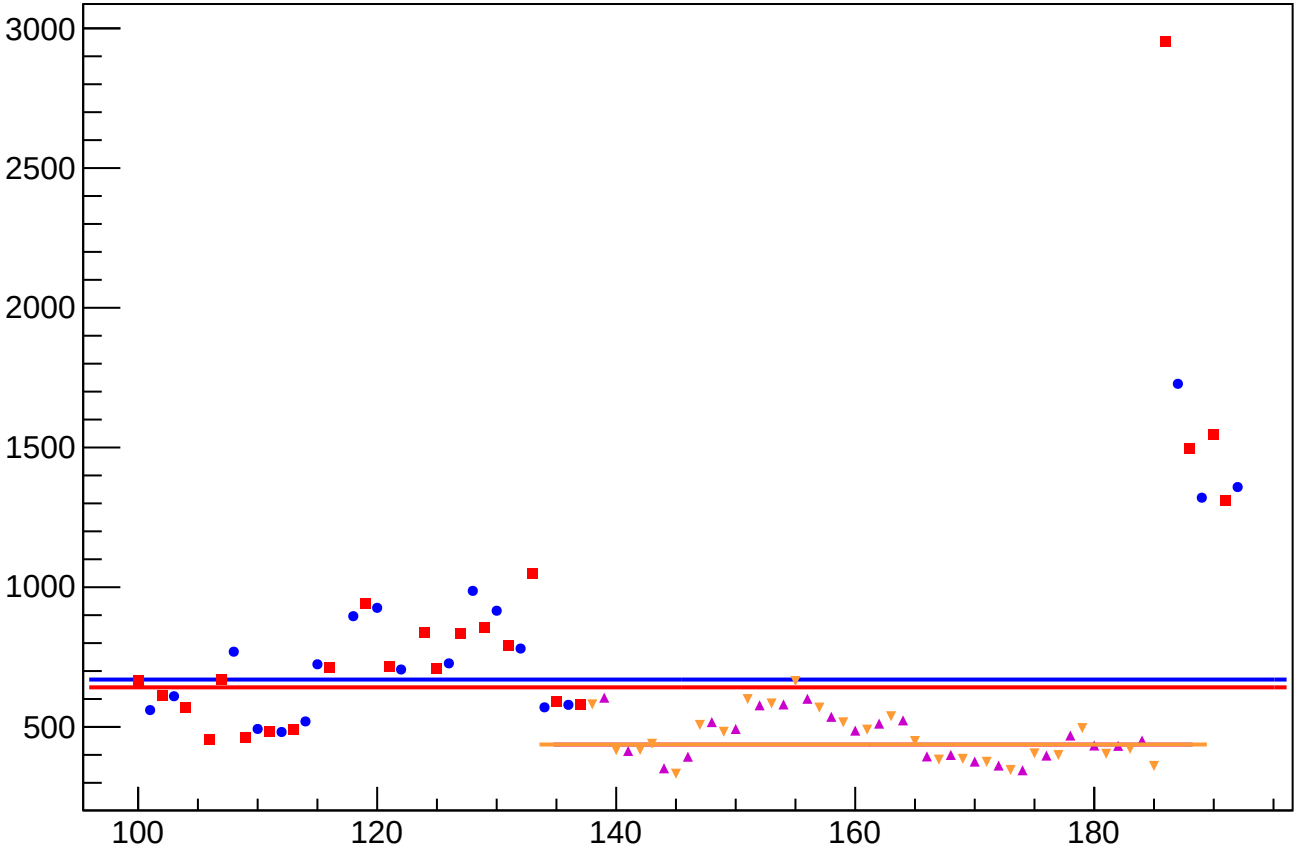
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

\+ sign -473.863+/-93.076 χ^2/NDF: 90.4/43

All: -309.084+/-66.232 χ^2/NDF: 143.5/89

\- sign -140.055+/-94.268 χ^2/NDF: 46.8/45

asym_sam_15_48_dd_rms vs Slug



Right In: 669.584+/-0.167 χ^2/NDF: 1618641.5/18

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

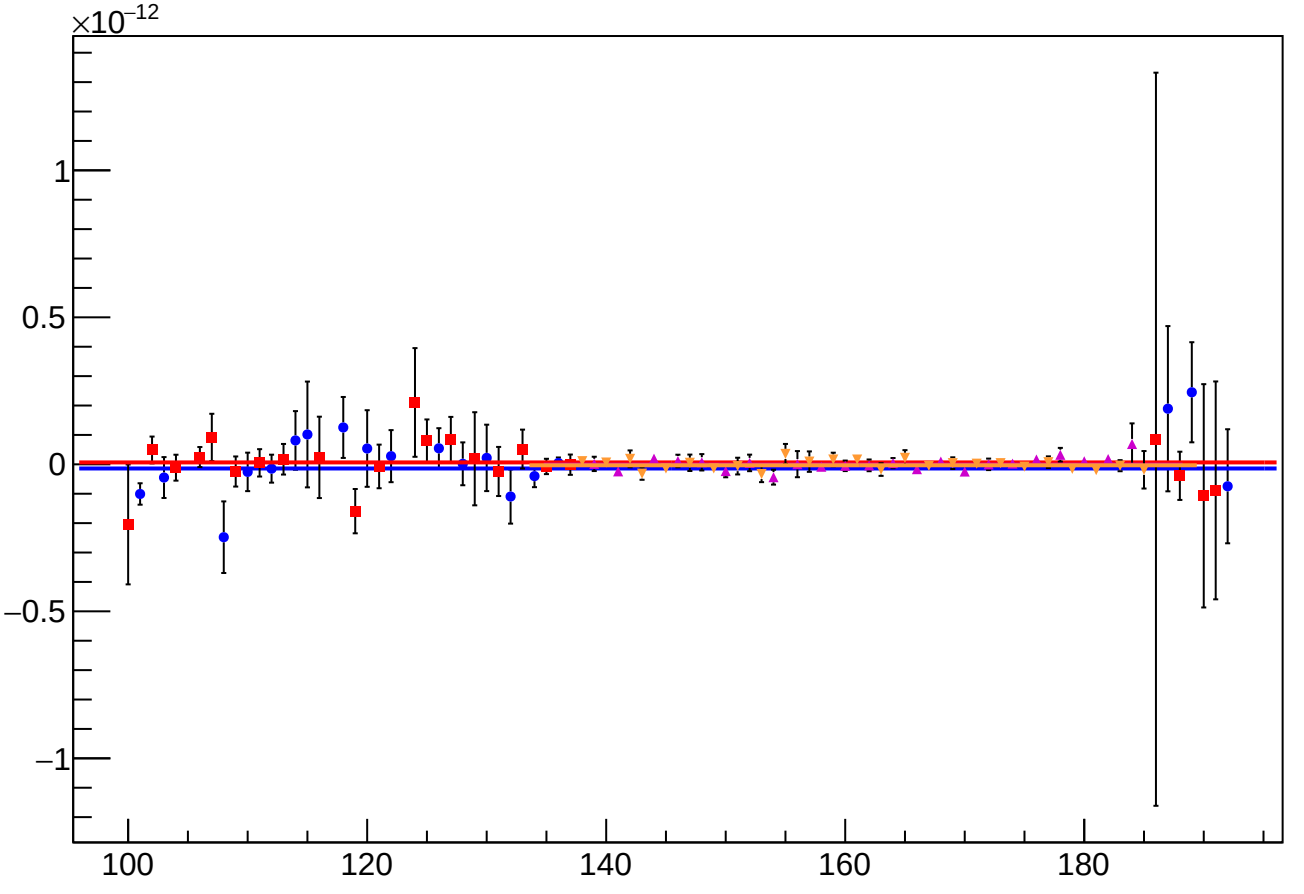
Right Out: 641.657+/-0.159 χ^2/NDF: 2375003.2/22

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 473.153+/-0.066 χ^2/NDF: 4478515.0/43

All: 473.096+/-0.047 χ^2/NDF: 9303524.5/89

- sign 473.037+/-0.067 χ^2/NDF: 4825008.0/45



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

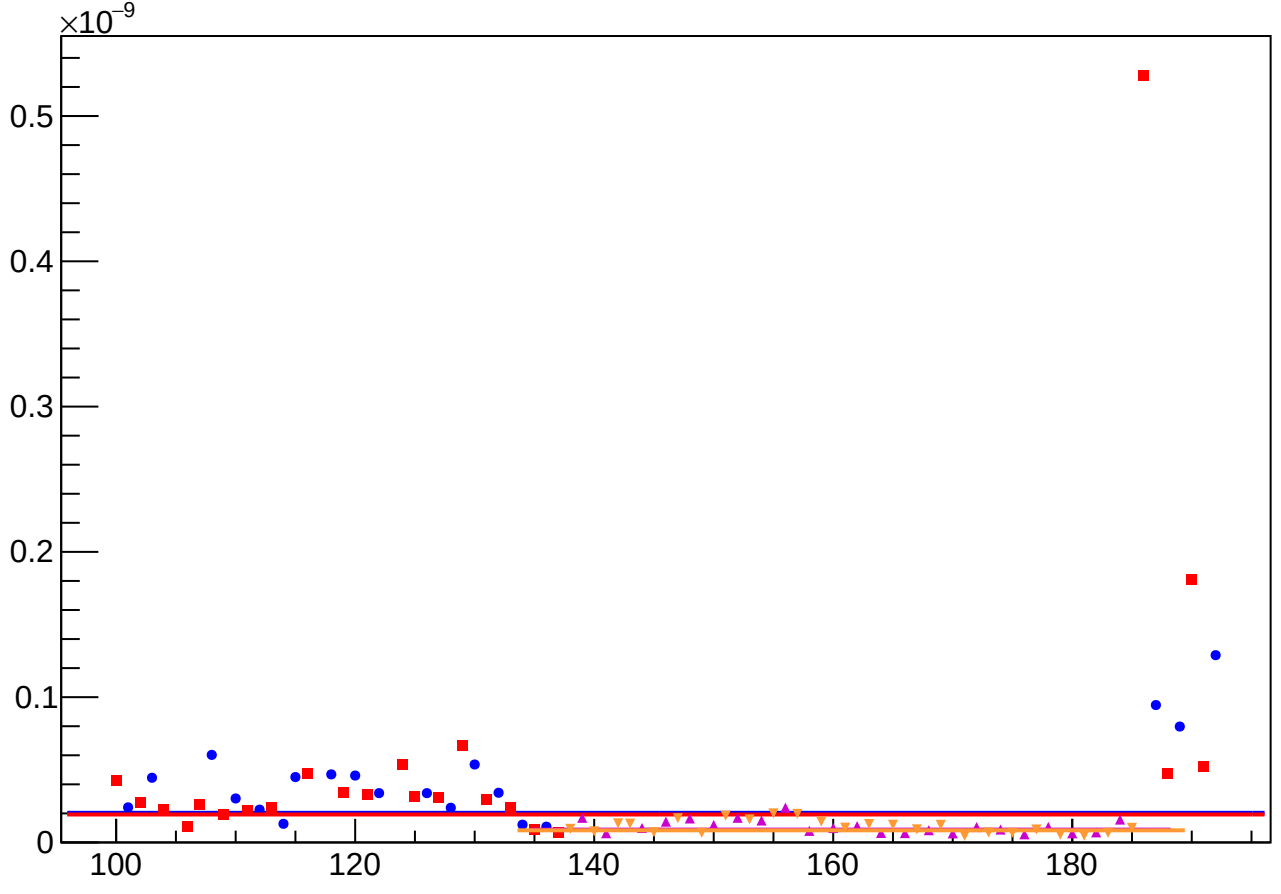
Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.9/43

All: -0.000+/-0.000 χ^2/NDF: 71.3/89

- sign -0.000+/-0.000 χ^2/NDF: 35.9/45

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



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

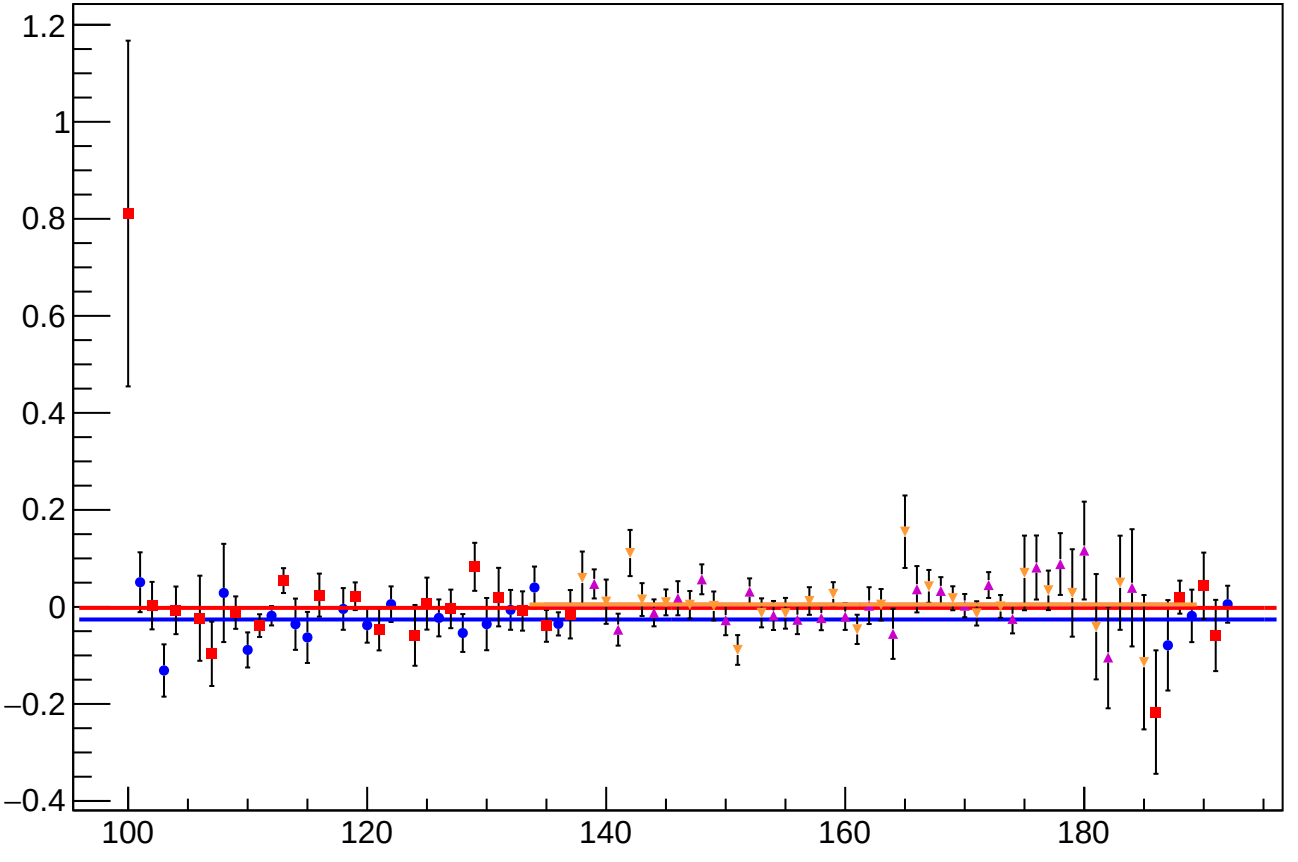
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6681191.3/43

All: 0.000+/-0.000 χ^2/NDF: 12121507.4/89

- sign 0.000+/-0.000 χ^2/NDF: 5416157.5/45

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.026+/-0.009 χ^2/NDF: 14.7/18

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

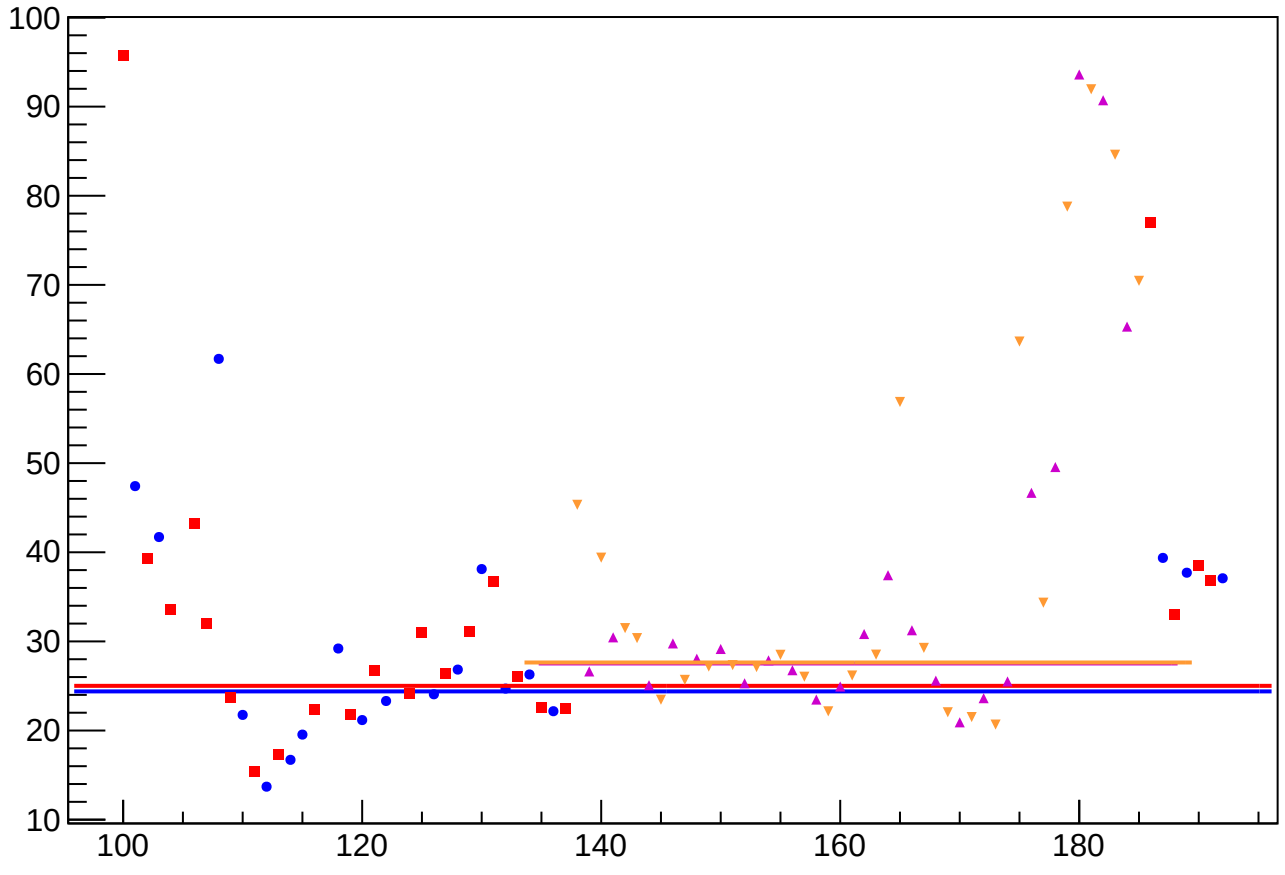
Right Out: -0.002+/-0.009 χ^2/NDF: 26.4/22

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 50.7/43

All: -0.002+/-0.004 χ^2/NDF: 103.7/89

- sign 0.002+/-0.005 χ^2/NDF: 51.9/45



Right In: 24.391+/-0.006 χ^2/NDF: 1999133.7/18

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

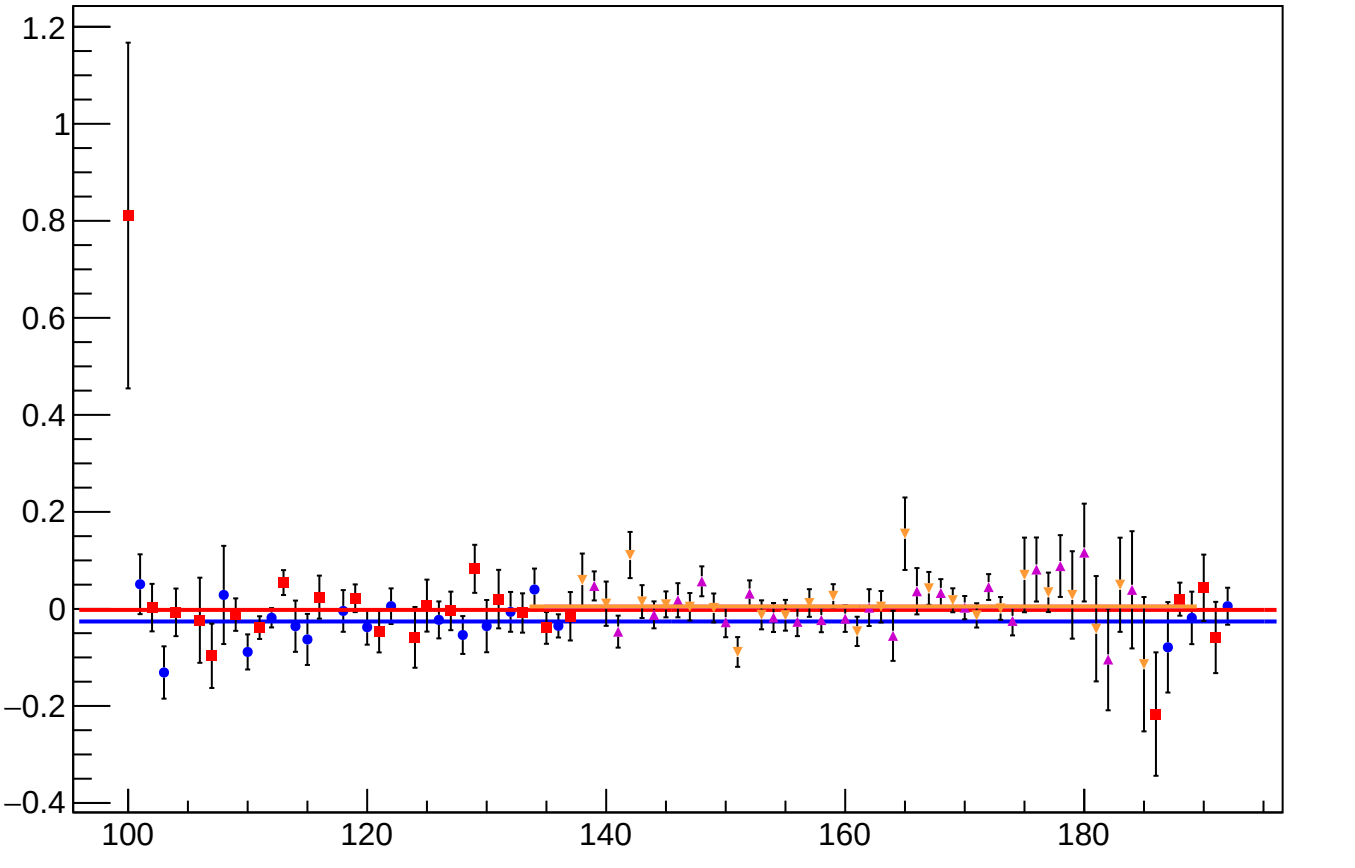
Right Out: 25.015+/-0.006 χ^2/NDF: 1702947.1/22

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.437+/-0.004 χ^2/NDF: 6138846.7/43

All: 26.496+/-0.003 χ^2/NDF: 10576566.1/89

- sign 26.555+/-0.004 χ^2/NDF: 4437252.7/45



Right In: -0.026+/-0.009 χ^2/NDF: 14.7/18

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

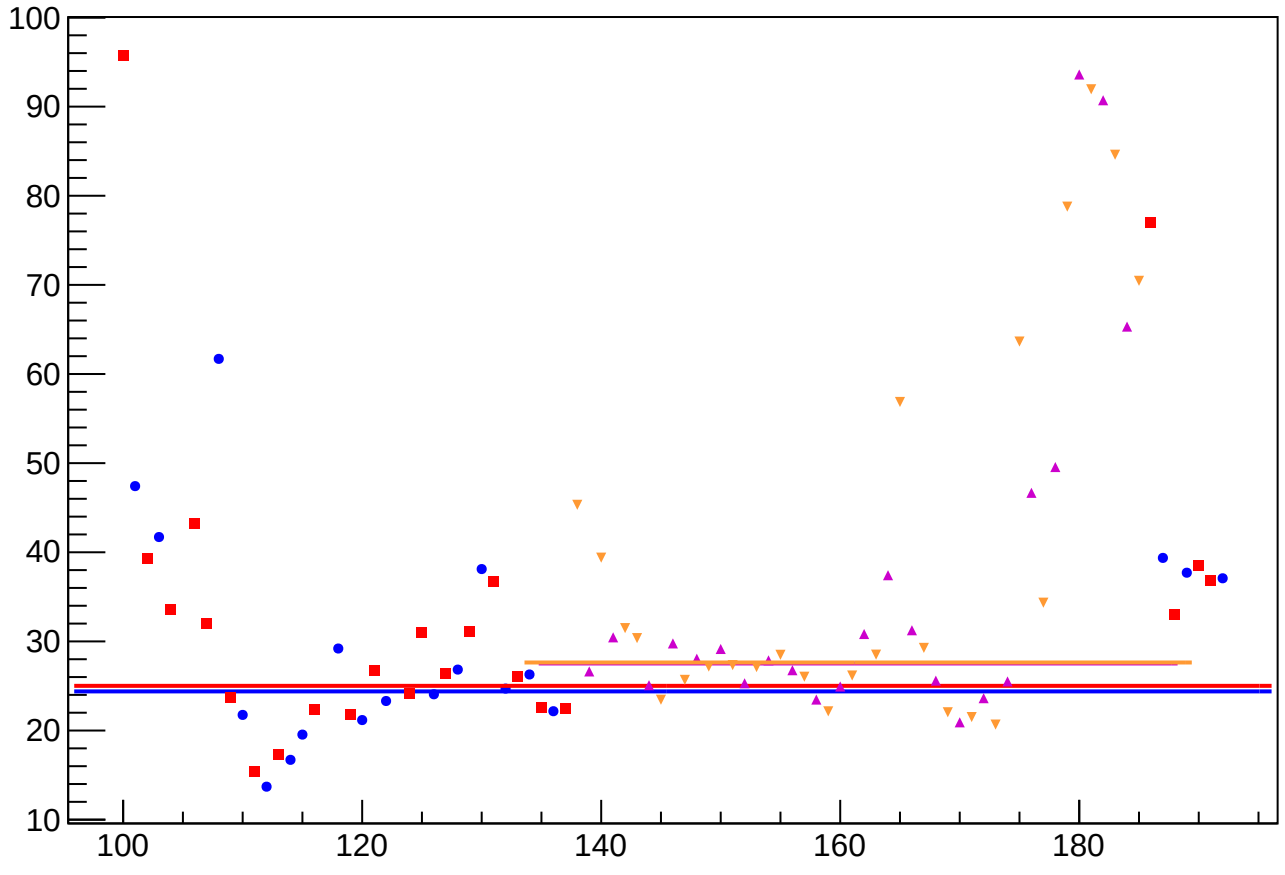
Right Out: -0.002+/-0.009 χ^2/NDF: 26.4/22

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 50.7/43

All: -0.002+/-0.004 χ^2/NDF: 103.7/89

- sign 0.002+/-0.005 χ^2/NDF: 51.9/45



Right In: 24.391+/-0.006 χ^2/NDF: 1999133.7/18

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

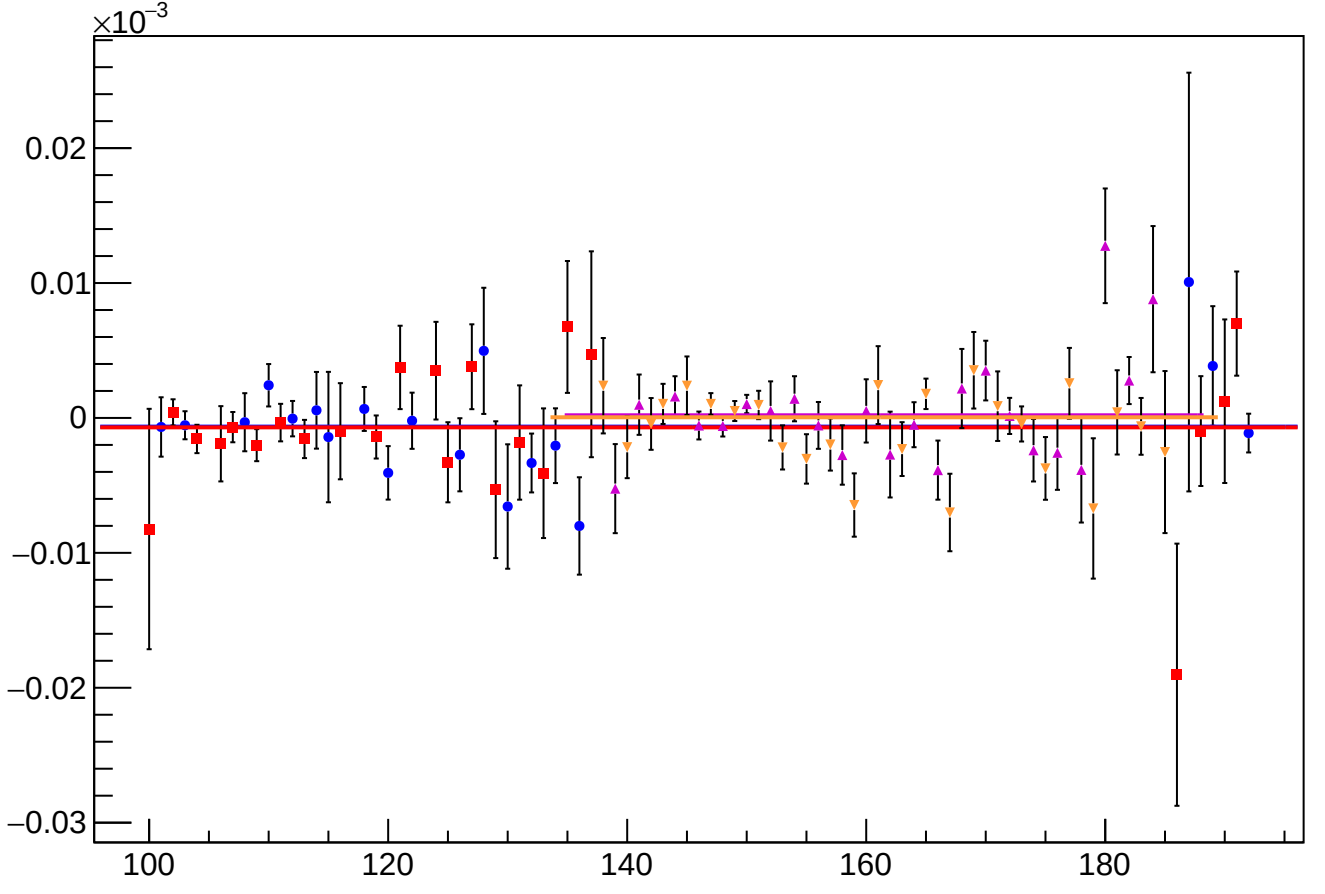
Right Out: 25.015+/-0.006 χ^2/NDF: 1702947.1/22

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.437+/-0.004 χ^2/NDF: 6138846.7/43

All: 26.496+/-0.003 χ^2/NDF: 10576566.1/89

- sign 26.555+/-0.004 χ^2/NDF: 4437252.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

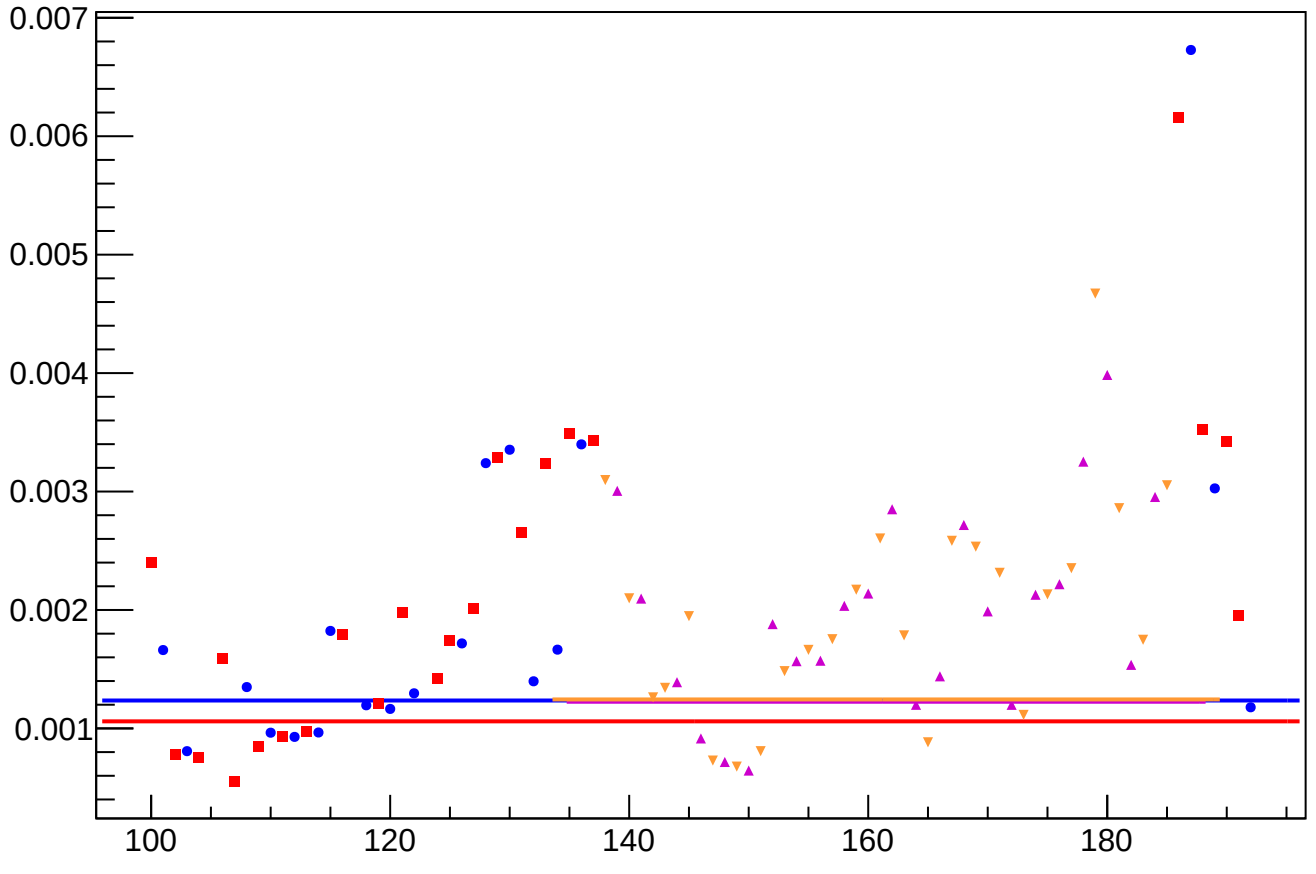
Right Out: -0.000+/-0.000 χ^2/NDF: 22.8/22

Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.7/43

All: -0.000+/-0.000 χ^2/NDF: 116.6/89

- sign -0.000+/-0.000 χ^2/NDF: 59.0/45



Right In: 0.001+/-0.000 χ^2/NDF: 2851256.6/18

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

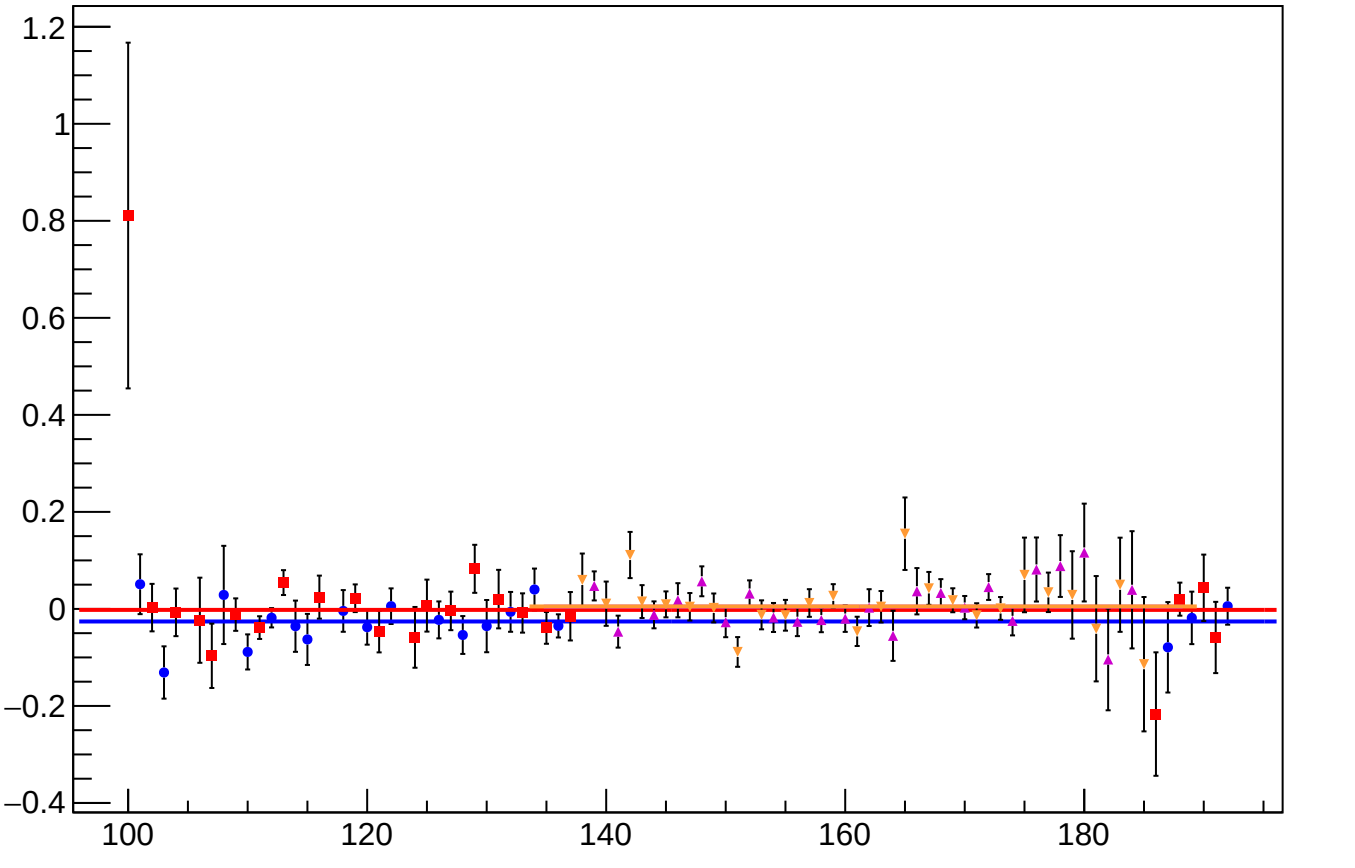
Right Out: 0.001+/-0.000 χ^2/NDF: 5007728.9/22

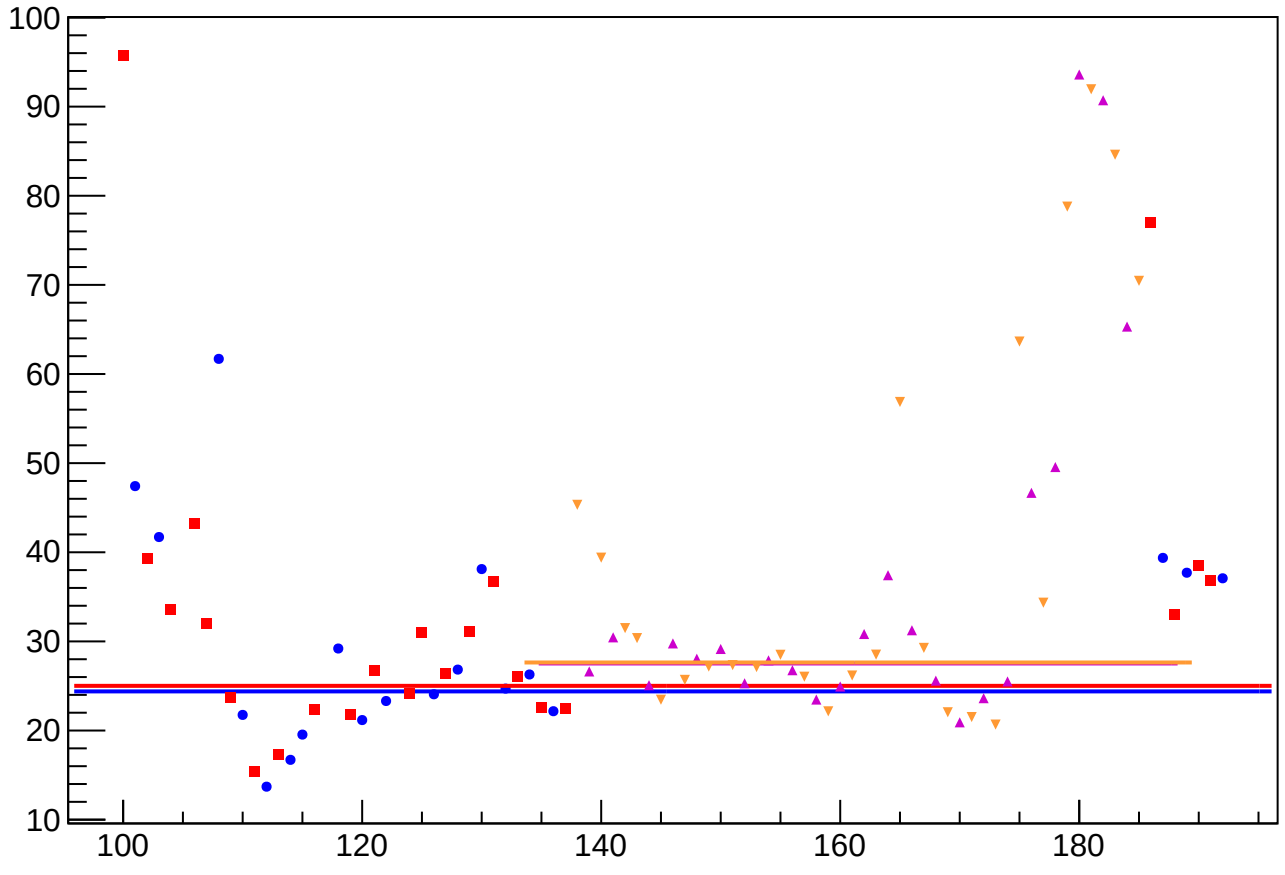
Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 11192803.7/43

All: 0.001+/-0.000 χ^2/NDF: 24314533.2/89

- sign 0.001+/-0.000 χ^2/NDF: 13026175.4/45


asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
Right In: -0.026+/-0.009 χ²/NDF: 14.7/18
Left Out: 0.005+/-0.007 χ²/NDF:28.4/24
Right Out: -0.002+/-0.009 χ²/NDF: 26.4/22
Left In: 0.005+/-0.007 χ²/NDF:25.1/22
+ sign -0.006+/-0.005 χ²/NDF: 50.7/43
All: -0.002+/-0.004 χ²/NDF: 103.7/89
- sign 0.002+/-0.005 χ²/NDF: 51.9/45



Right In: 24.391+/-0.006 χ^2/NDF: 1999132.4/18

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

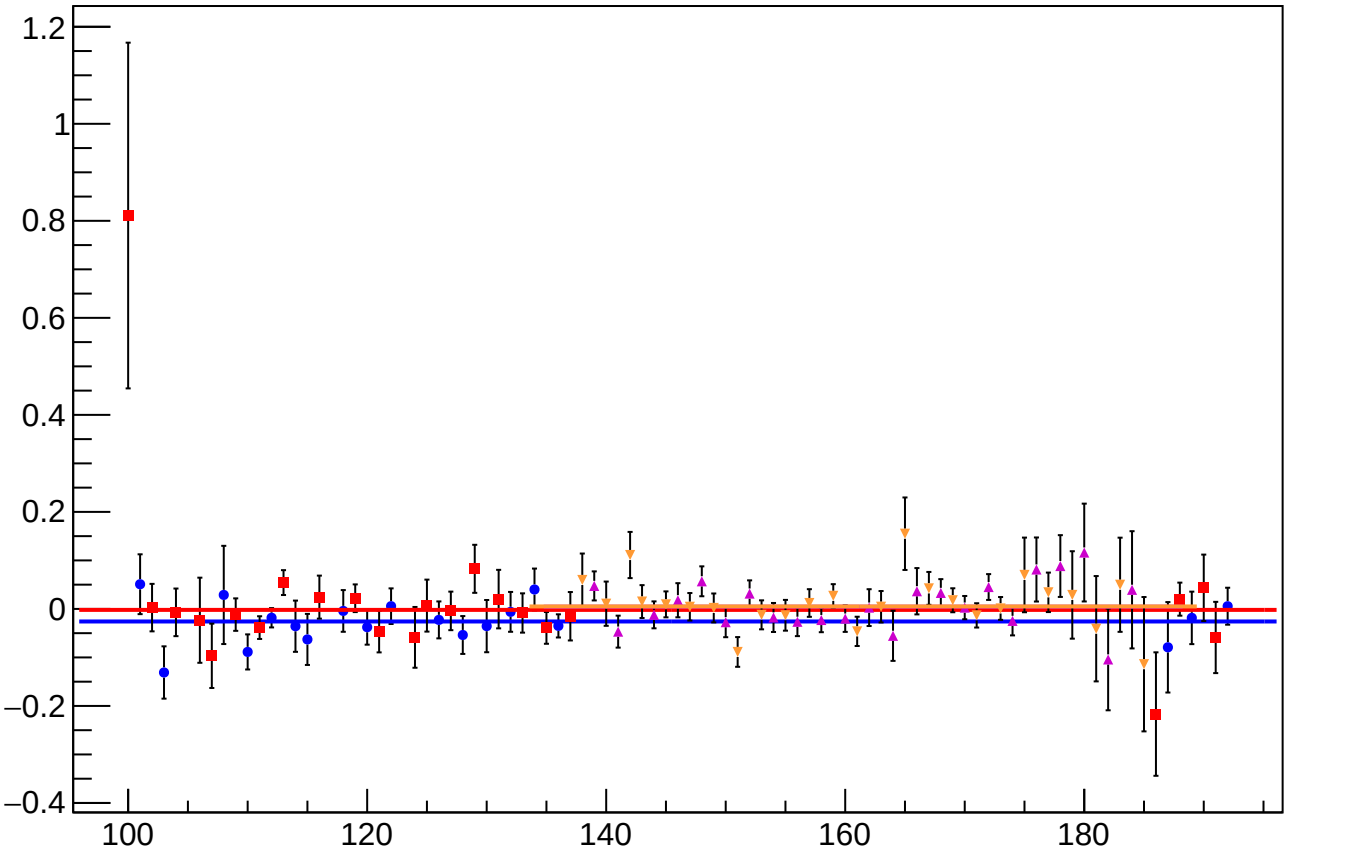
Right Out: 25.015+/-0.006 χ^2/NDF: 1703036.9/22

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.437+/-0.004 χ^2/NDF: 6138842.3/43

All: 26.496+/-0.003 χ^2/NDF: 10576652.1/89

- sign 26.555+/-0.004 χ^2/NDF: 4437343.7/45



Right In: -0.026+/-0.009 χ^2/NDF: 14.7/18

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

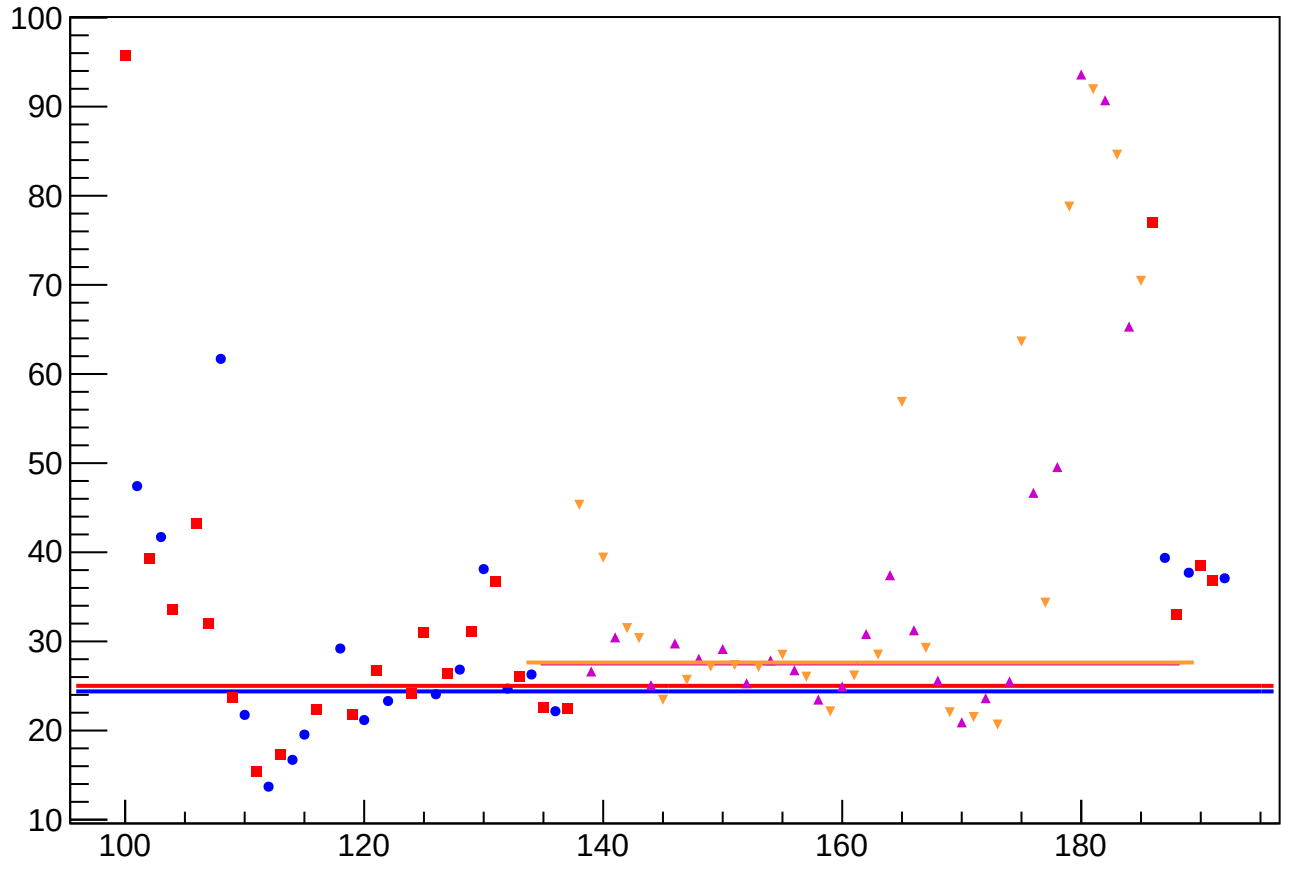
Right Out: -0.002+/-0.009 χ^2/NDF: 26.4/22

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 50.7/43

All: -0.002+/-0.004 χ^2/NDF: 103.7/89

- sign 0.002+/-0.005 χ^2/NDF: 51.9/45



Right In: 24.391+/-0.006 χ^2/NDF: 1999132.4/18

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

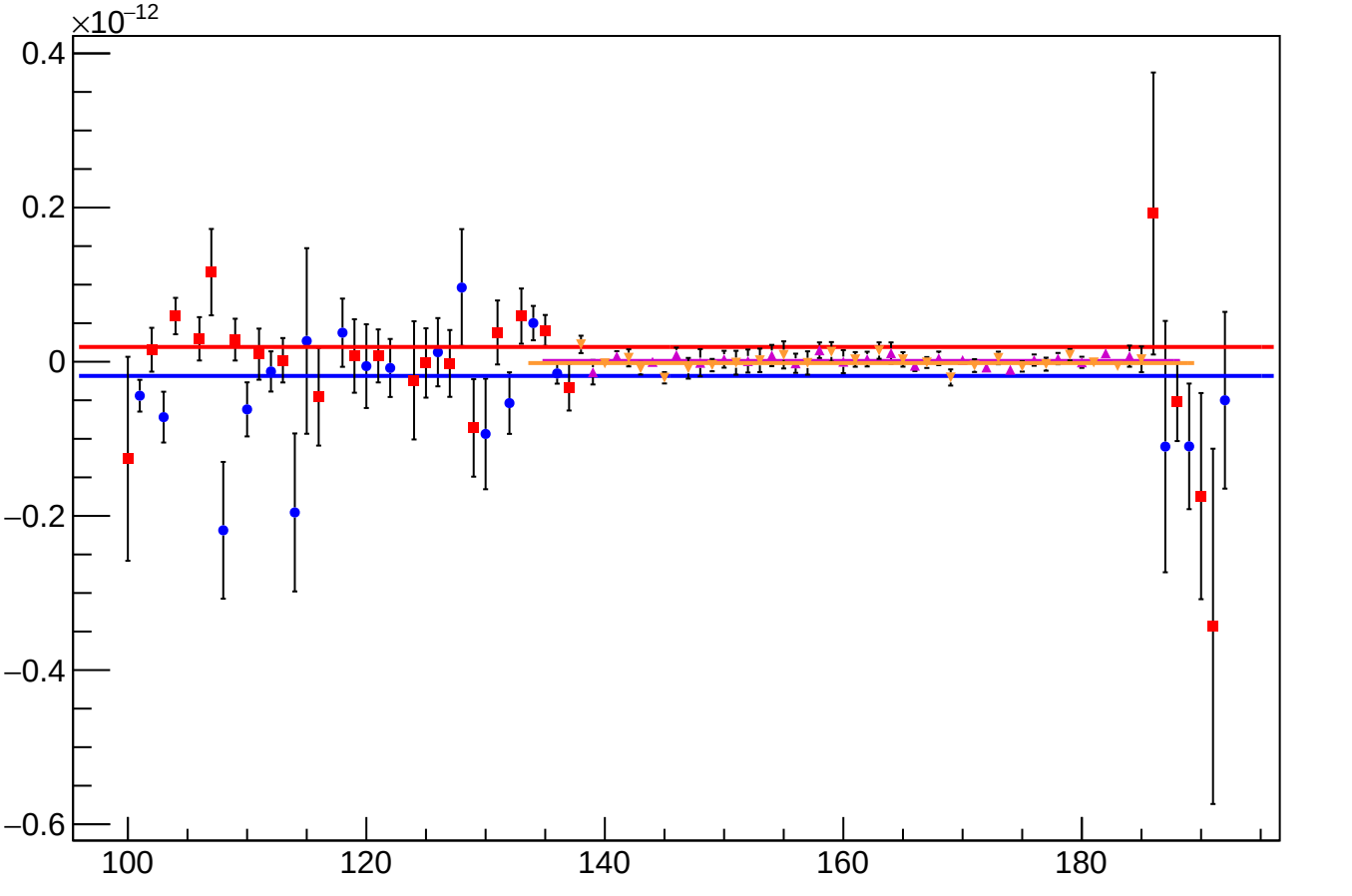
Right Out: 25.015+/-0.006 χ^2/NDF: 1703036.9/22

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.437+/-0.004 χ^2/NDF: 6138842.3/43

All: 26.496+/-0.003 χ^2/NDF: 10576652.1/89

- sign 26.555+/-0.004 χ^2/NDF: 4437343.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 31.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

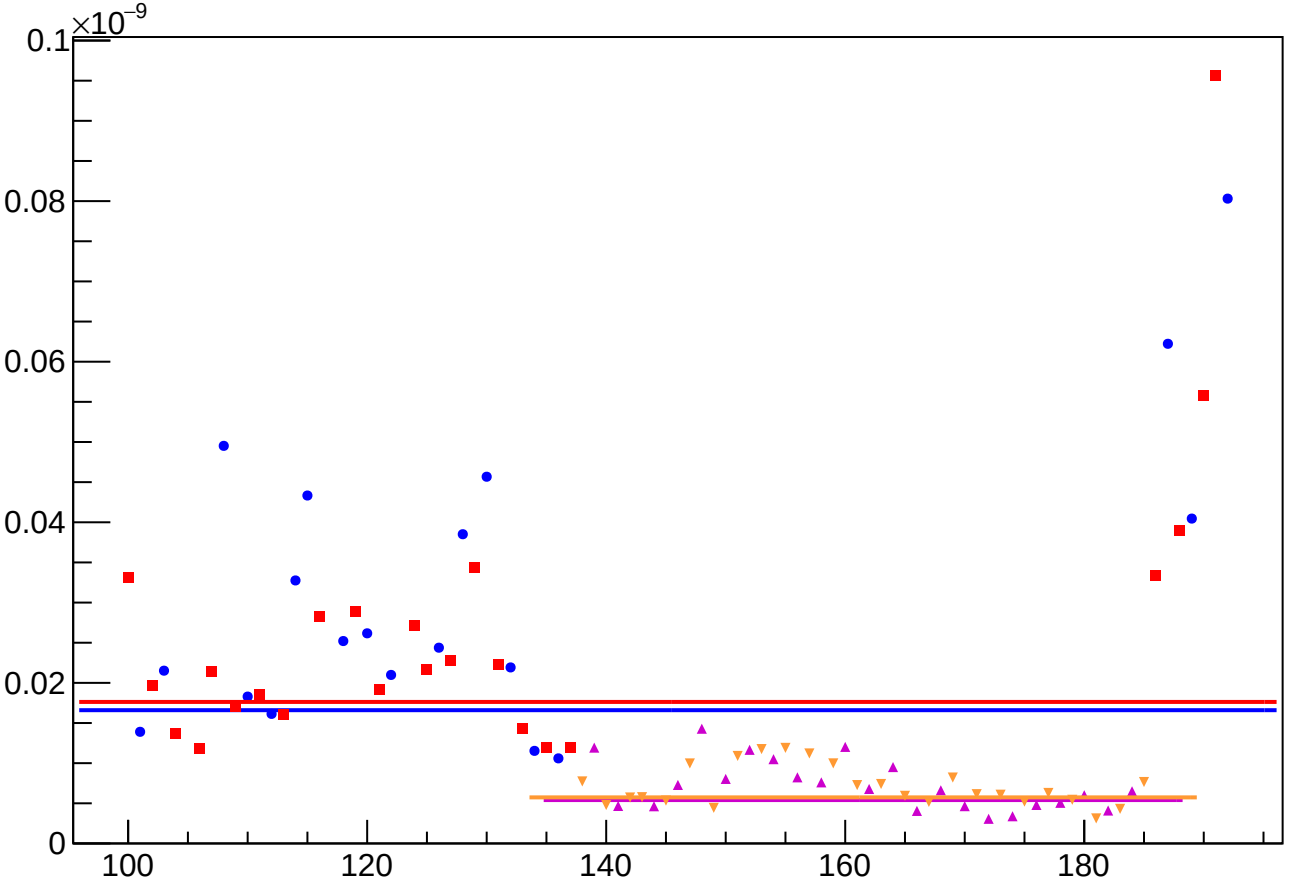
Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/22

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.4/43

All: -0.000+/-0.000 χ^2/NDF: 111.0/89

- sign 0.000+/-0.000 χ^2/NDF: 47.2/45



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

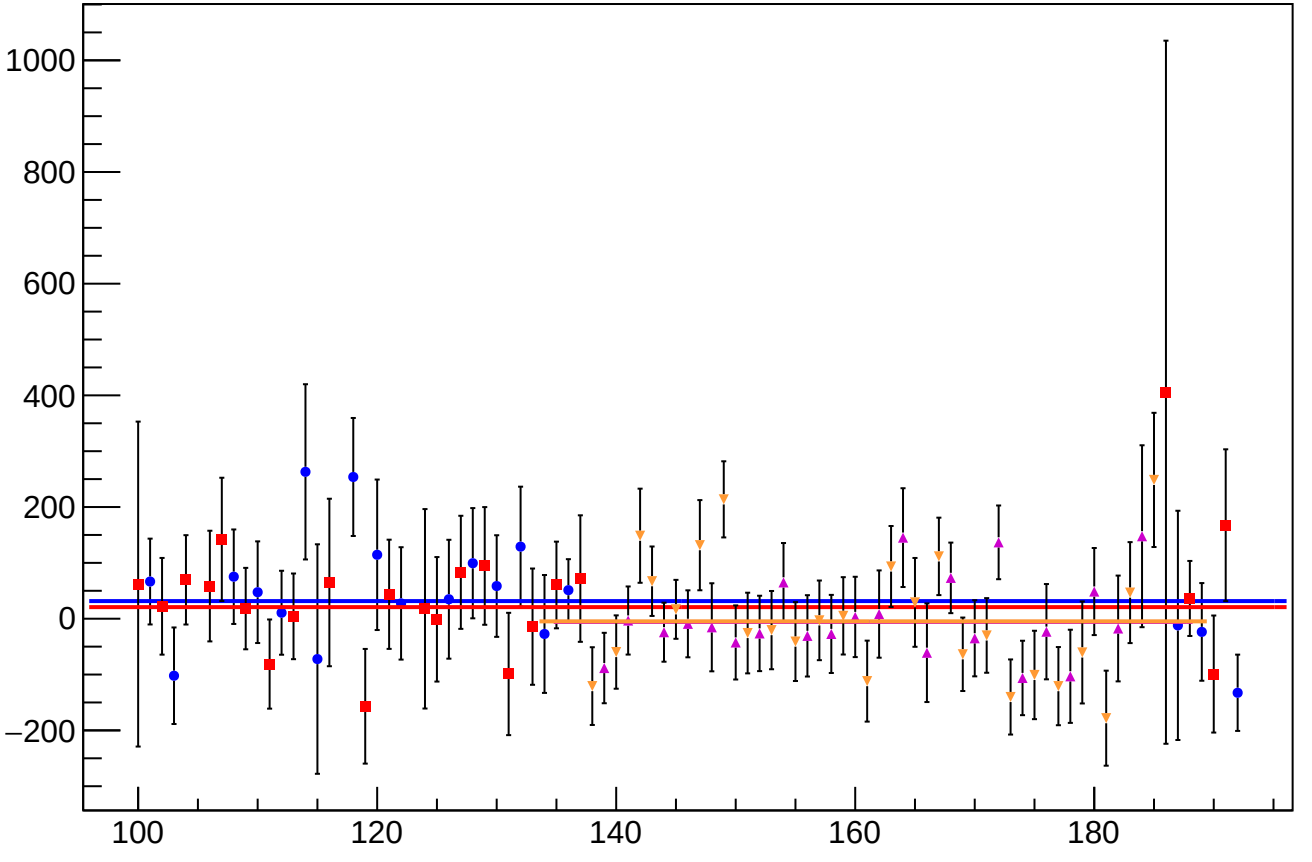
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9154317.7/43

All: 0.000+/-0.000 χ^2/NDF: 18973140.5/89

- sign 0.000+/-0.000 χ^2/NDF: 9790821.6/45

reg_asym_sam_37_48_dd_mean vs Slug



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

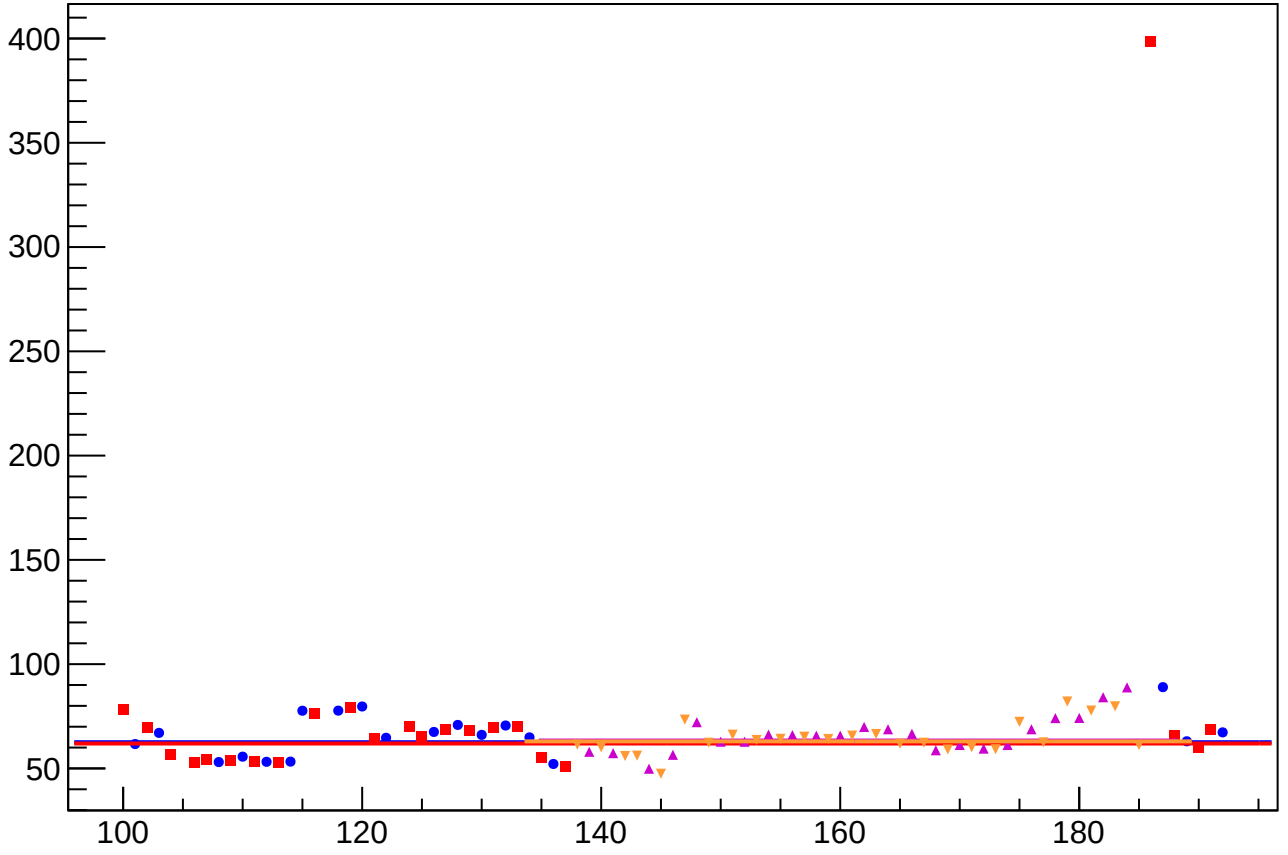
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 6.767+/-11.925 χ^2/NDF: 67.6/43

All: 5.059+/-8.497 χ^2/NDF: 99.2/89

- sign 3.297+/-12.111 χ^2/NDF: 31.5/45

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.582+/-0.015 χ^2/NDF: 312795.4/18

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

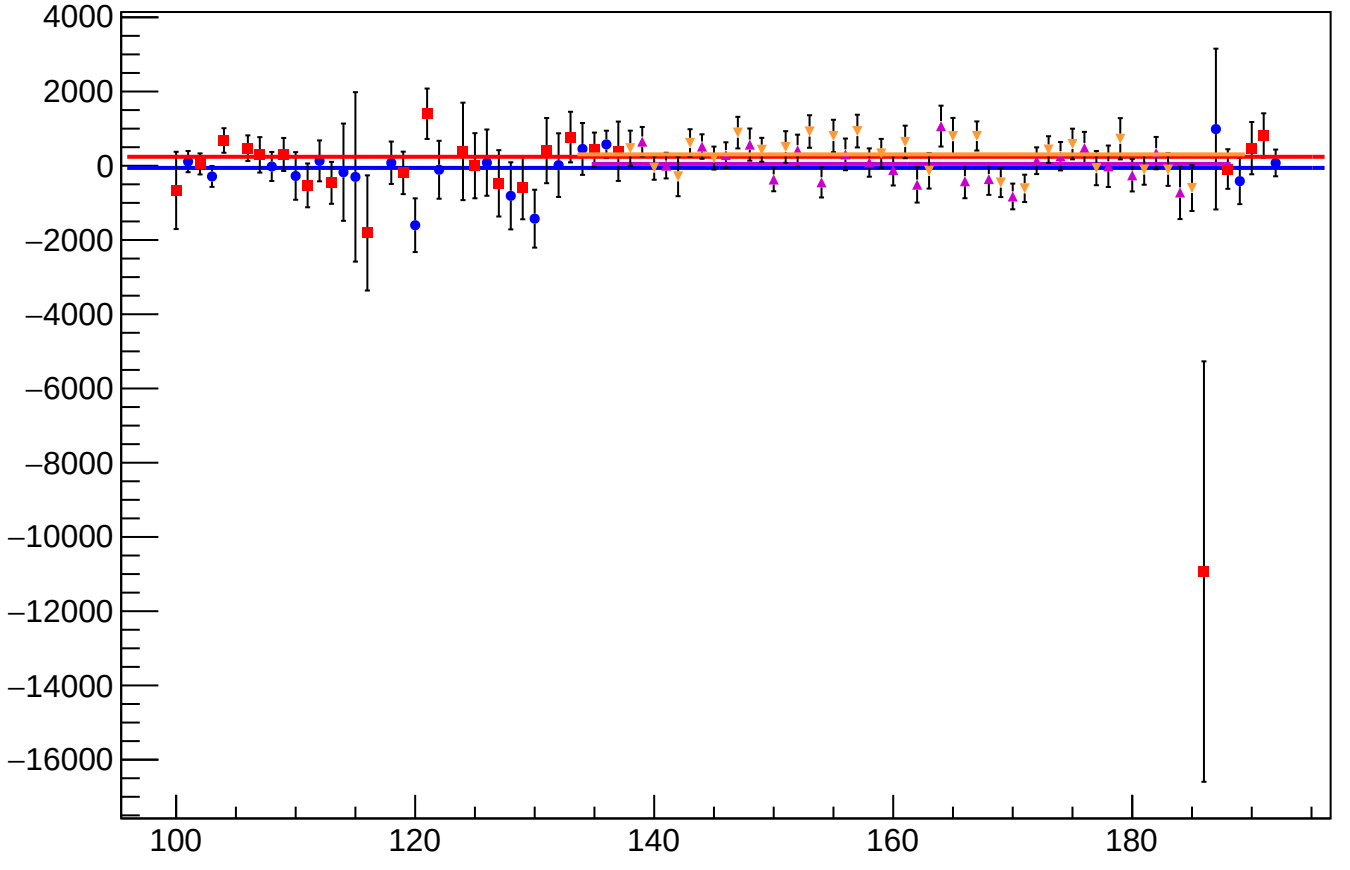
Right Out: 61.944+/-0.015 χ^2/NDF: 871595.4/22

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.851+/-0.008 χ^2/NDF: 840128.6/43

All: 62.865+/-0.006 χ^2/NDF: 2214857.3/89

- sign 62.879+/-0.009 χ^2/NDF: 1374723.3/45



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

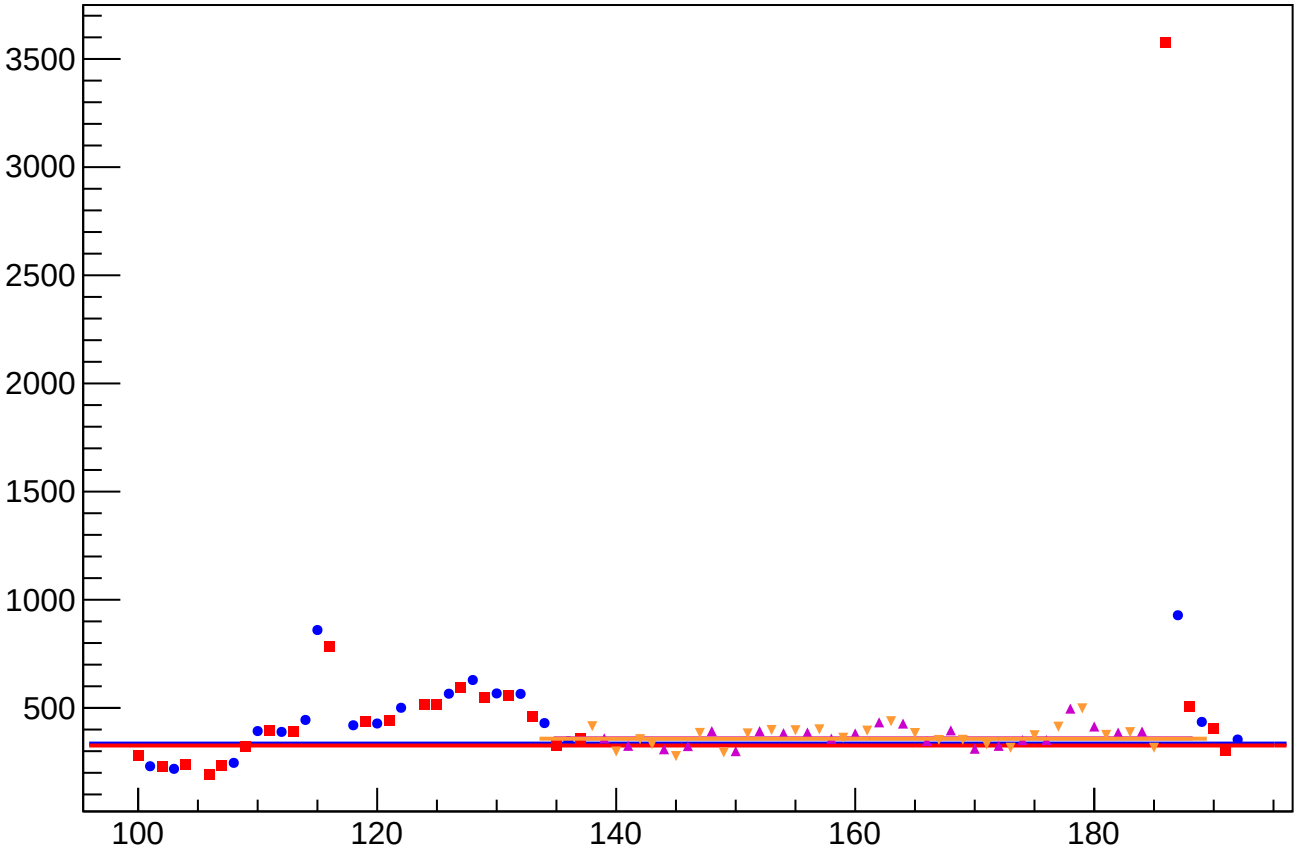
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 189.574+/-67.819 χ^2/NDF: 50.9/43

All: 153.635+/-48.166 χ^2/NDF: 100.3/89

- sign 117.056+/-68.420 χ^2/NDF: 48.9/45

asym_sam_37_48_dd_reg_correction_rms vs Slug



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

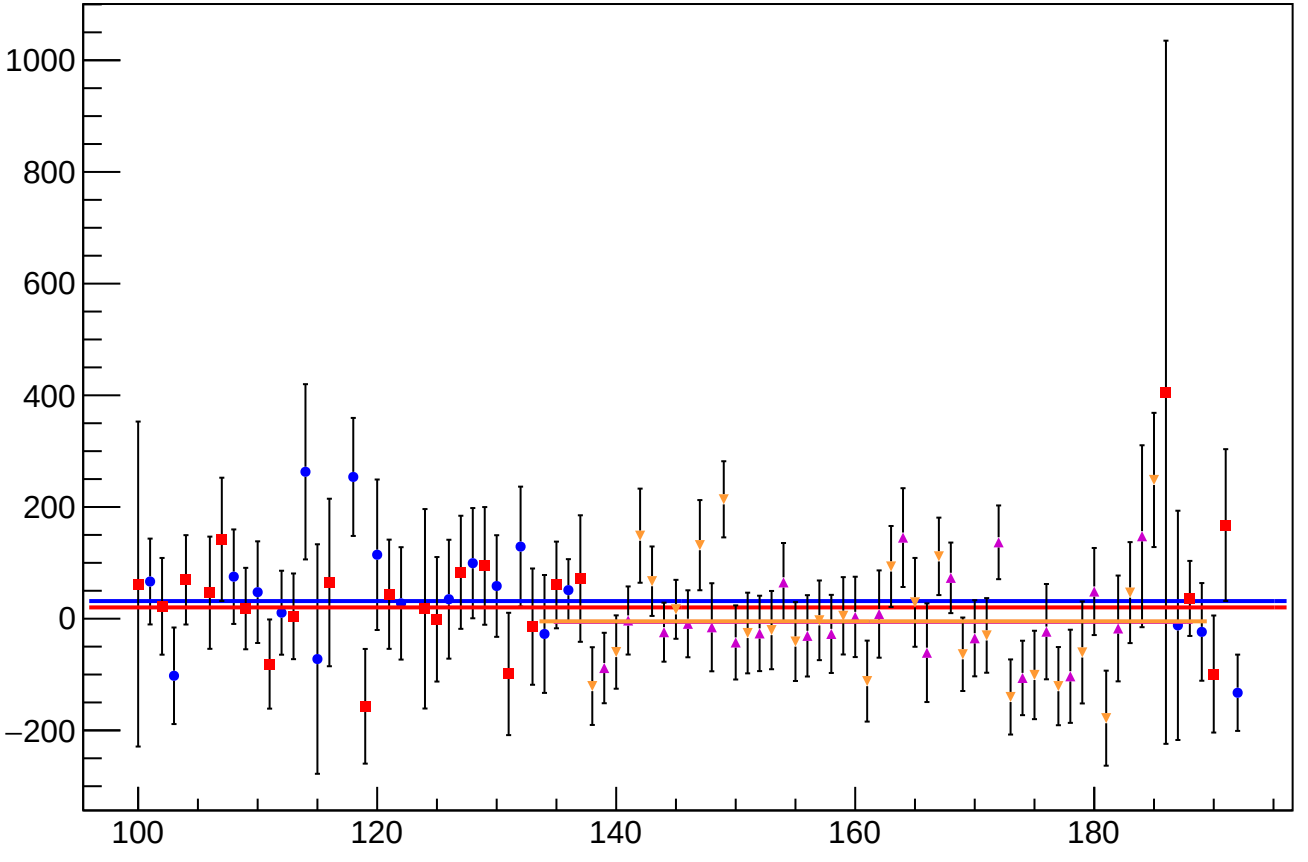
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 350.440+/-0.048 χ^2/NDF: 2683554.2/43

All: 349.119+/-0.034 χ^2/NDF: 6039942.8/89

- sign 347.774+/-0.048 χ^2/NDF: 3354856.2/45

cor_asym_sam_37_48_dd_mean vs Slug



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

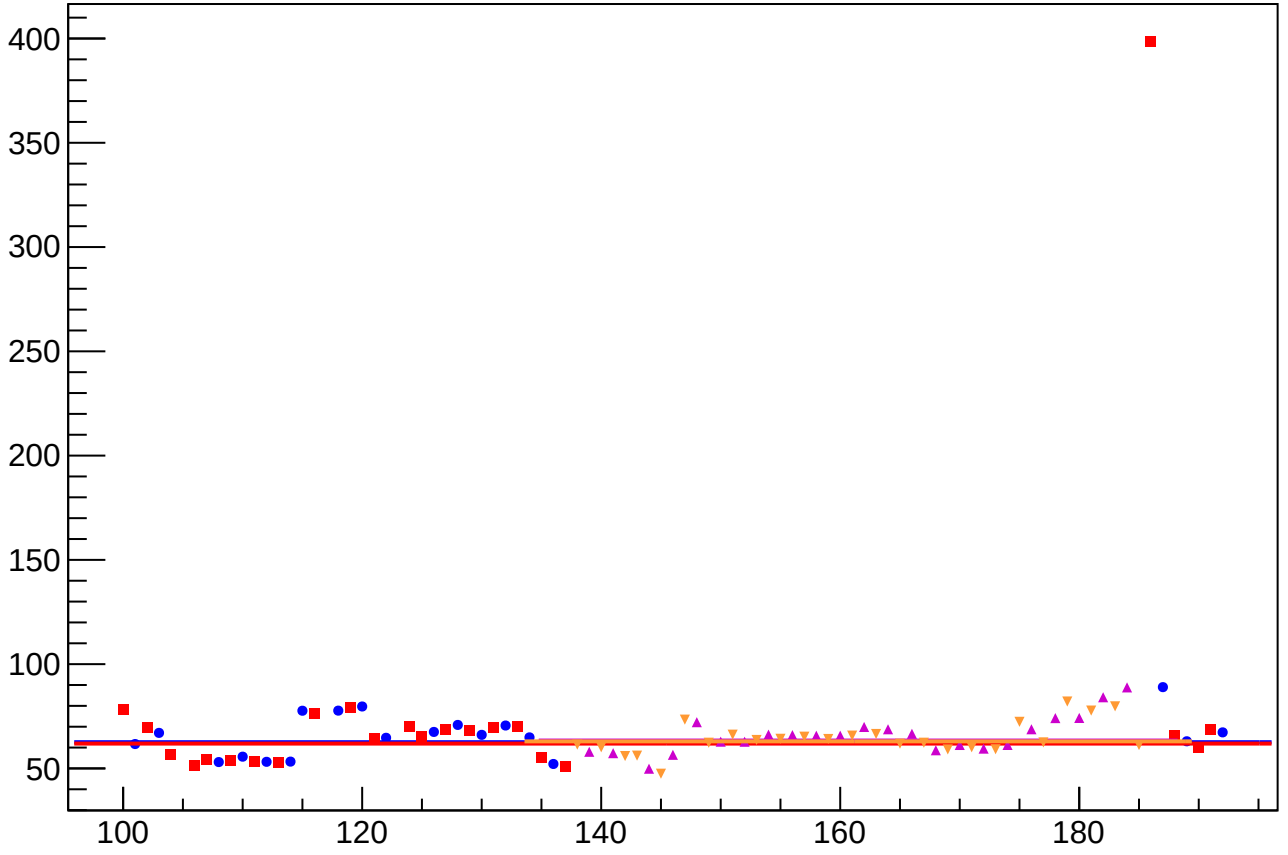
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 6.761+/-11.925 χ^2/NDF: 67.6/43

All: 4.959+/-8.498 χ^2/NDF: 99.0/89

- sign 3.100+/-12.114 χ^2/NDF: 31.4/45

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.582+/-0.015 χ^2/NDF: 312795.6/18

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

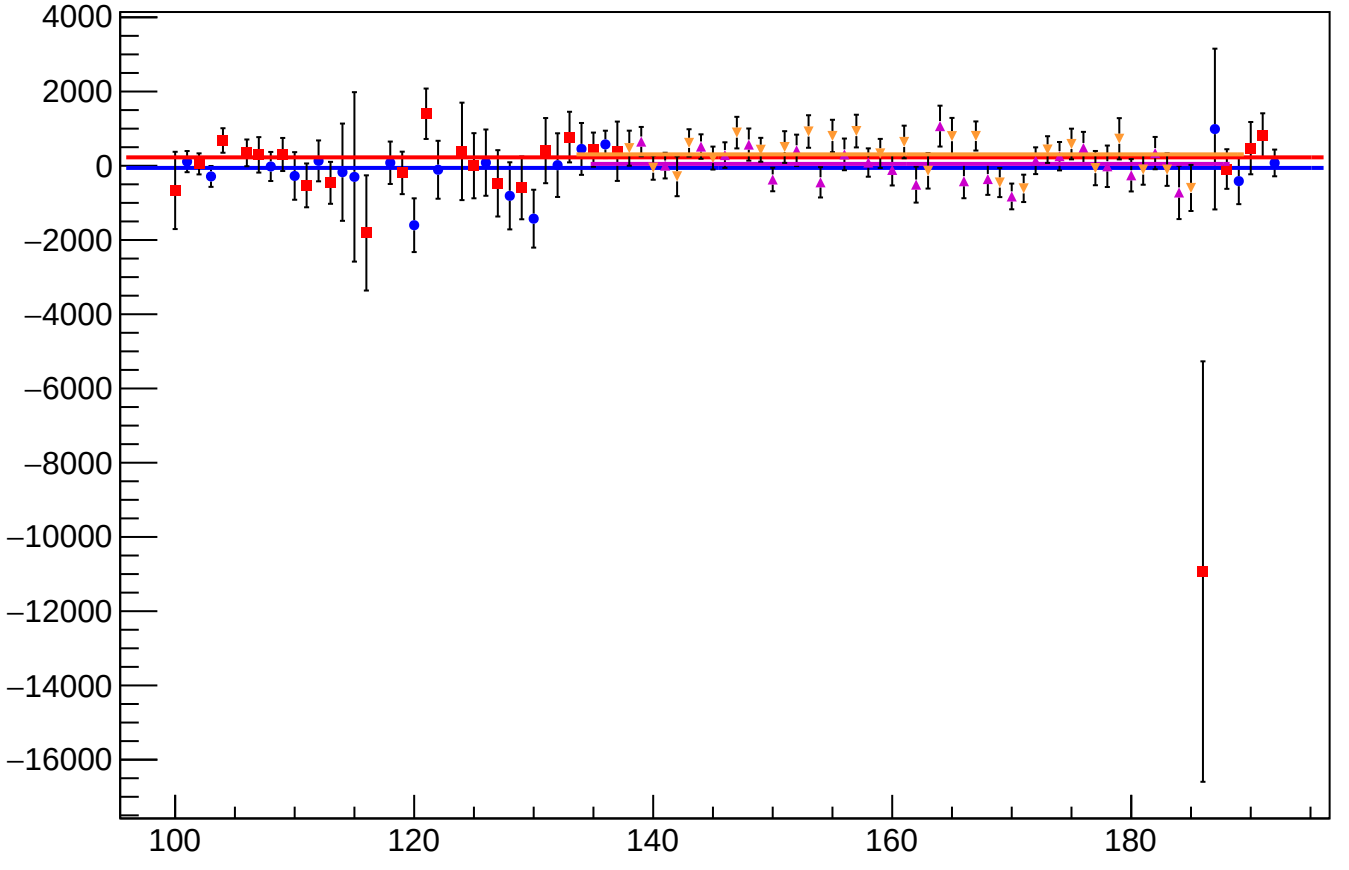
Right Out: 61.911+/-0.015 χ^2/NDF: 875300.4/22

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 62.851+/-0.008 χ^2/NDF: 840128.8/43

All: 62.860+/-0.006 χ^2/NDF: 2218846.6/89

\- sign 62.868+/-0.009 χ^2/NDF: 1378715.7/45



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

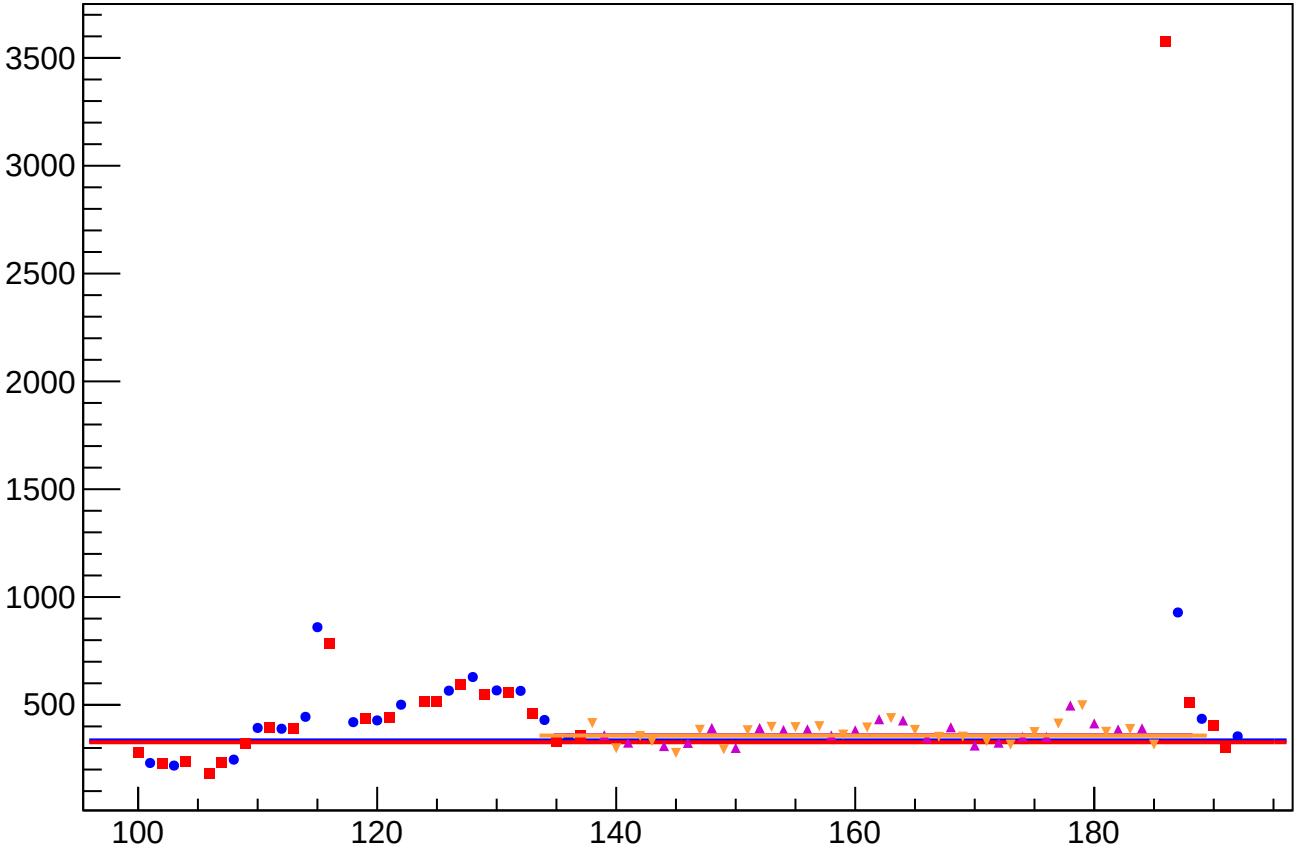
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 189.574+/-67.819 χ^2/NDF: 50.9/43

All: 150.861+/-48.208 χ^2/NDF: 99.7/89

- sign 111.320+/-68.540 χ^2/NDF: 48.2/45

asym_sam_37_48_dd_cor_correction_rms vs Slug



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

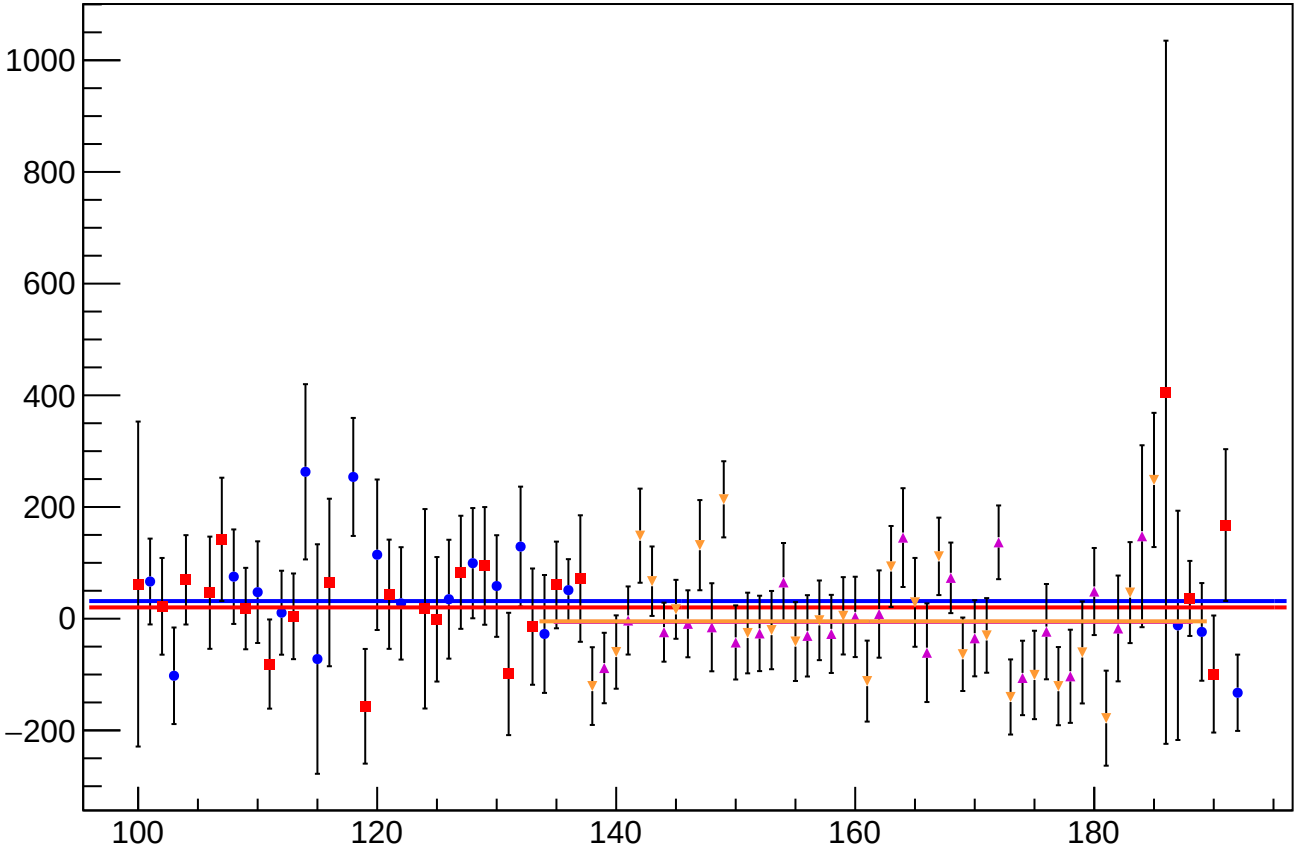
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 350.441+/-0.048 χ^2/NDF: 2683471.8/43

All: 349.210+/-0.034 χ^2/NDF: 6054650.2/89

- sign 347.952+/-0.048 χ^2/NDF: 3369845.6/45

eigen_cor_asym_sam_37_48_dd_mean vs Slug



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

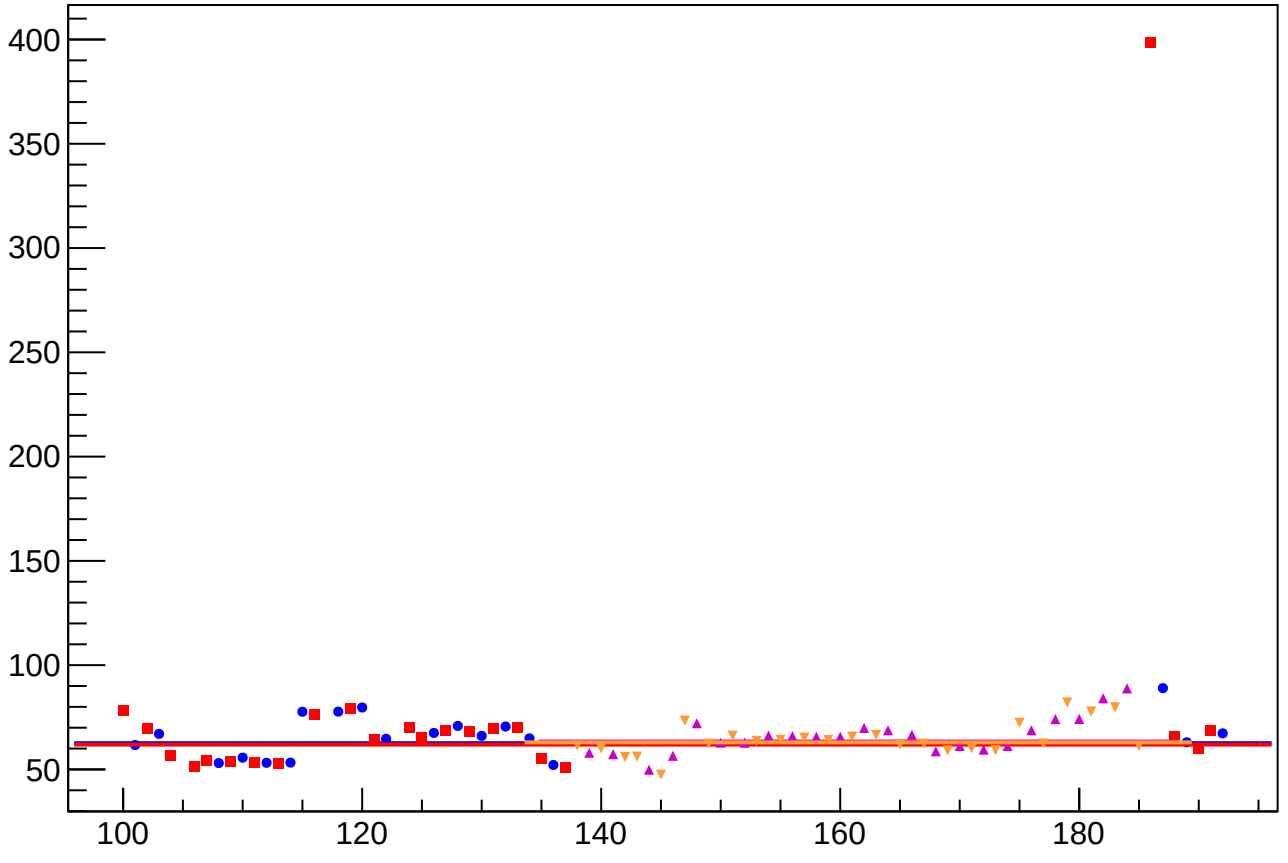
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 6.761+/-11.925 χ^2/NDF: 67.6/43

All: 4.959+/-8.498 χ^2/NDF: 99.0/89

- sign 3.100+/-12.114 χ^2/NDF: 31.4/45

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.582+/-0.015 χ^2/NDF: 312795.6/18

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

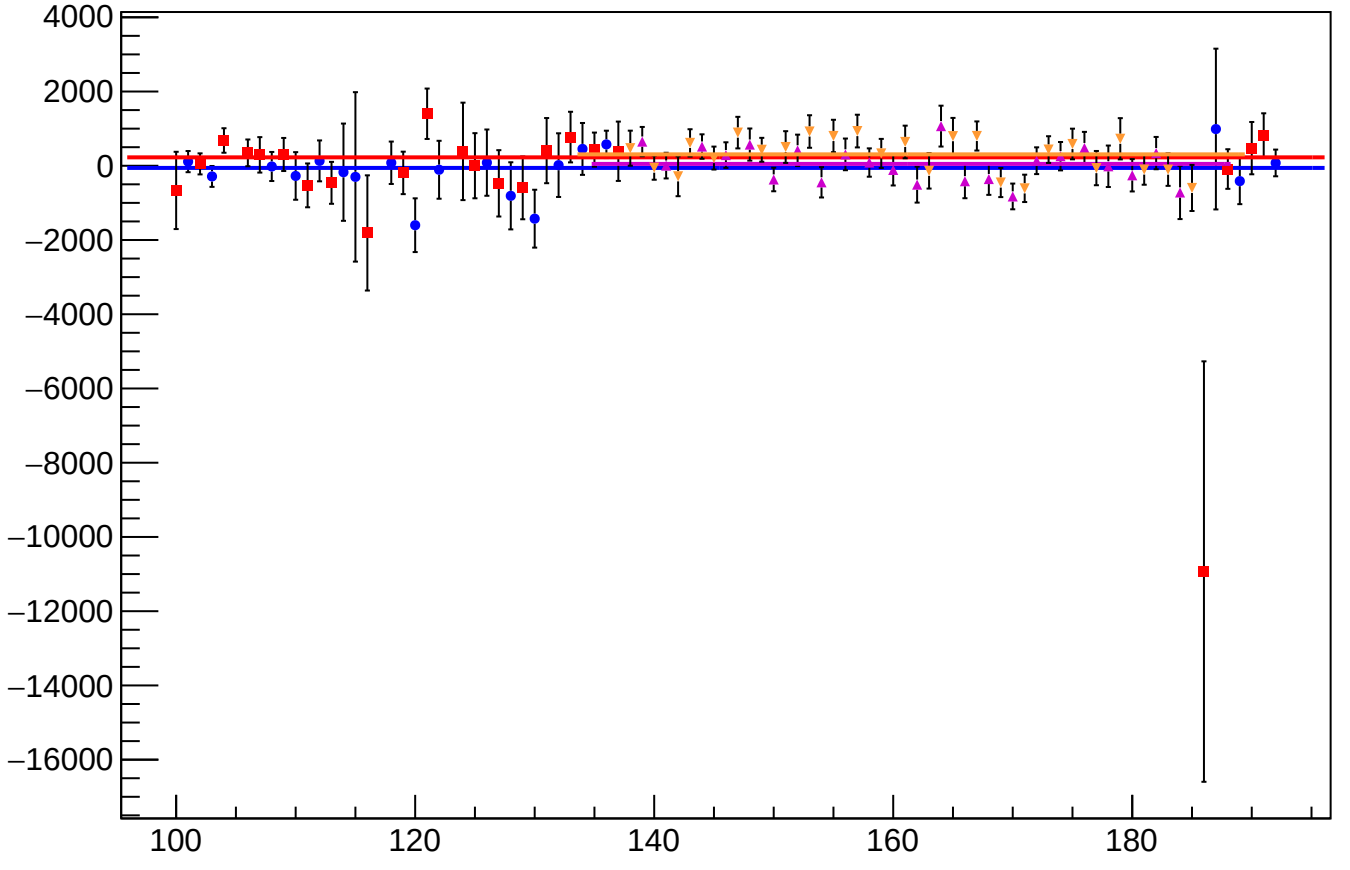
Right Out: 61.911+/-0.015 χ^2/NDF: 875300.4/22

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.851+/-0.008 χ^2/NDF: 840128.8/43

All: 62.860+/-0.006 χ^2/NDF: 2218846.6/89

- sign 62.868+/-0.009 χ^2/NDF: 1378715.7/45



Right In: -58.101+/-119.524 χ^2/NDF: 13.9/18

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

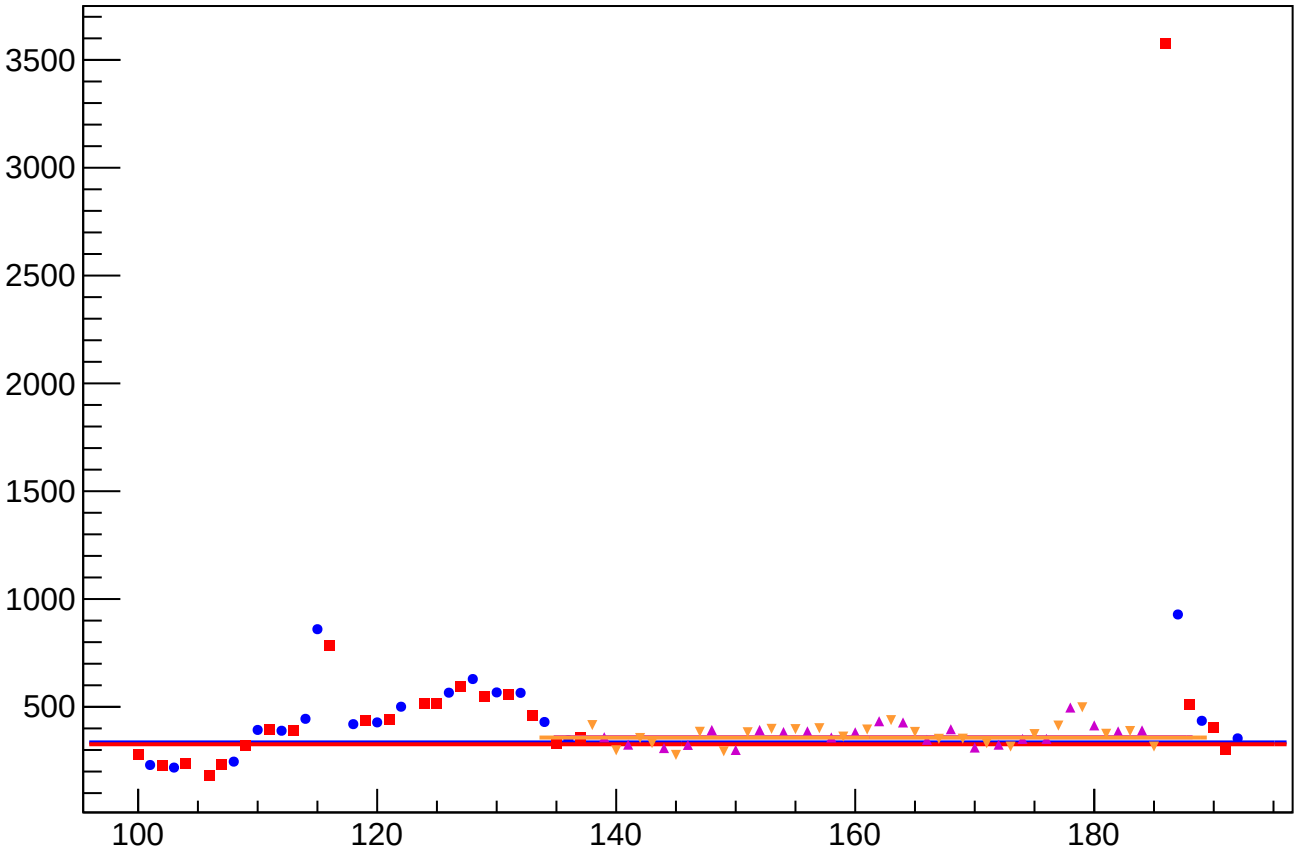
Right Out: 226.506+/-116.303 χ^2/NDF: 19.4/22

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

\+ sign 189.574+/-67.819 χ^2/NDF: 50.9/43

All: 150.861+/-48.208 χ^2/NDF: 99.7/89

\- sign 111.320+/-68.540 χ^2/NDF: 48.2/45



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

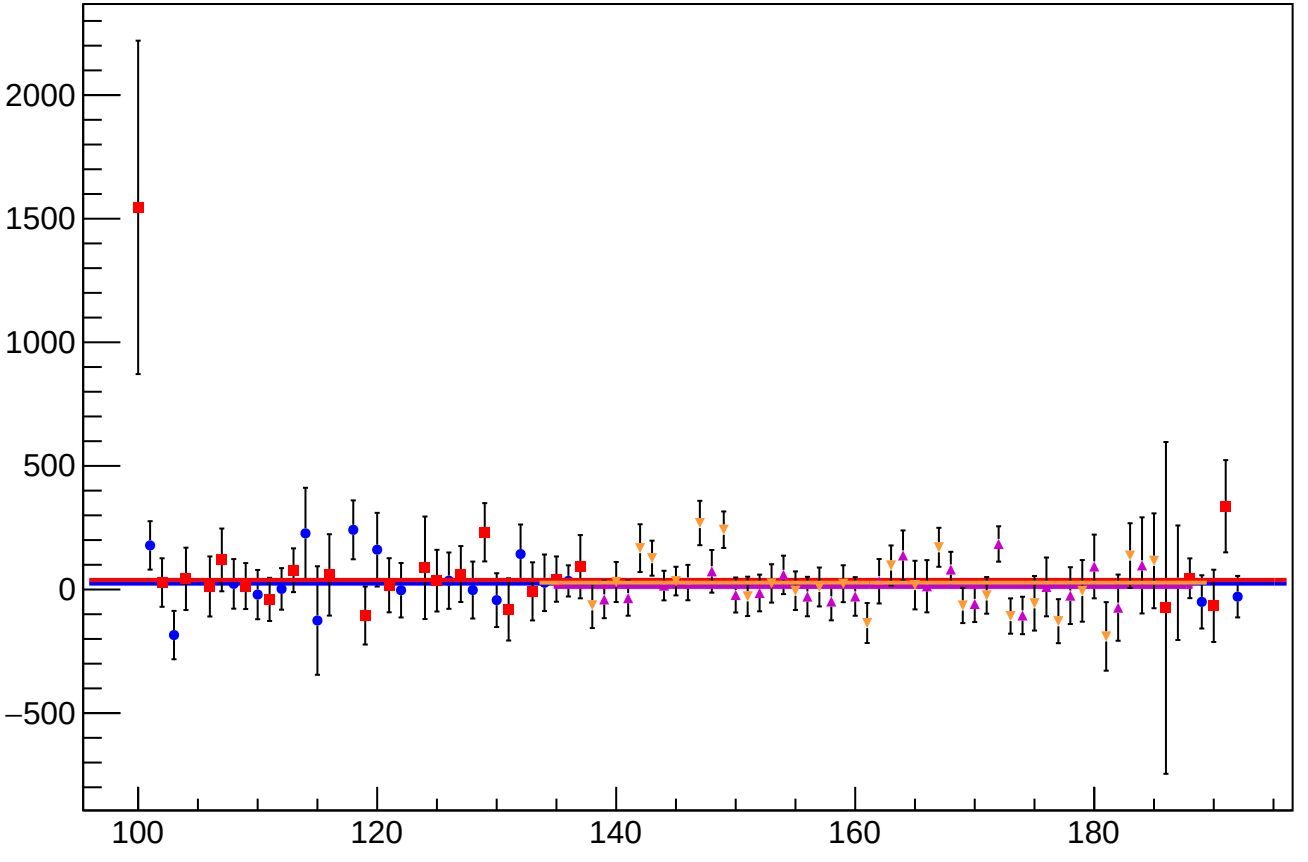
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 350.441+/-0.048 χ^2/NDF: 2683471.8/43

All: 349.210+/-0.034 χ^2/NDF: 6054650.2/89

- sign 347.952+/-0.048 χ^2/NDF: 3369845.6/45

dit_asym_sam_37_48_dd_mean vs Slug



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

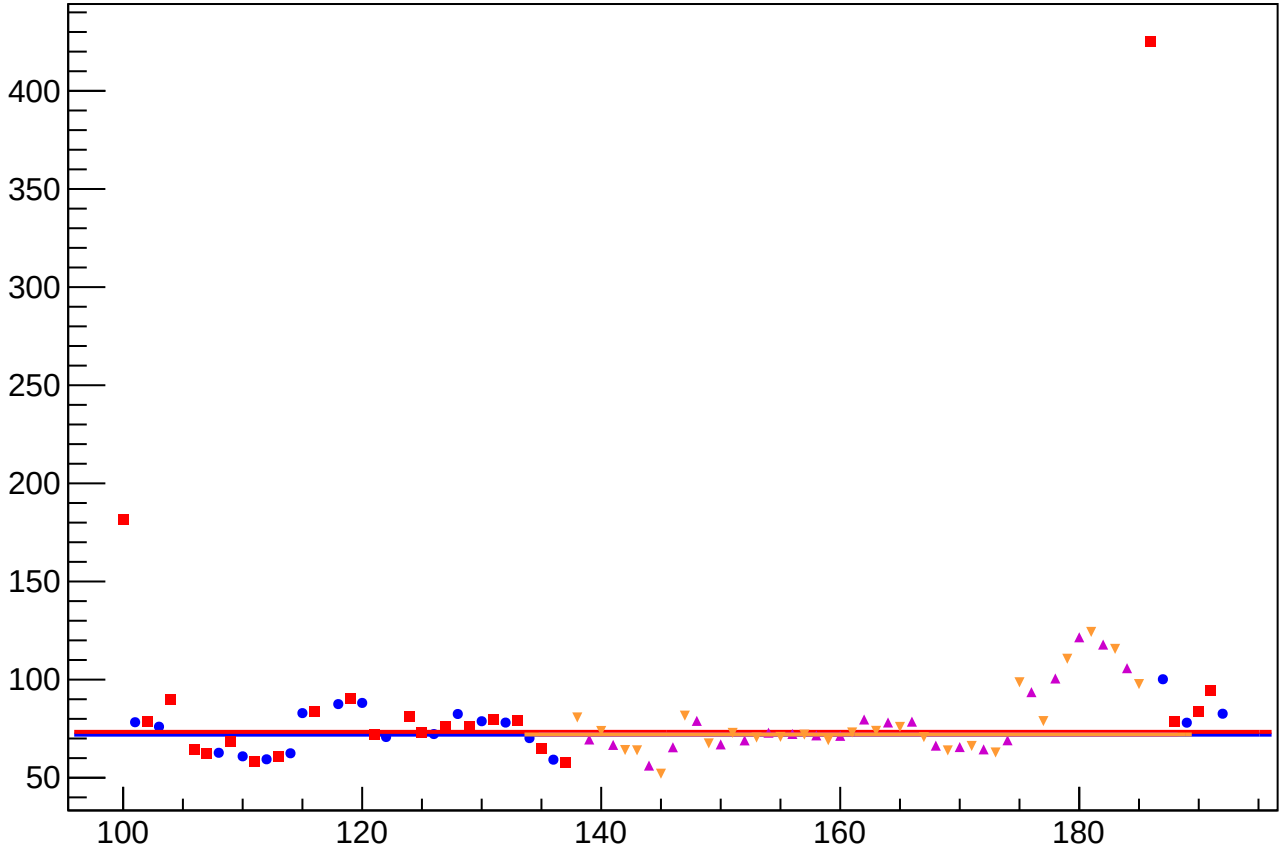
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 26.395+/-13.804 χ^2/NDF: 57.9/43

All: 23.168+/-9.868 χ^2/NDF: 90.2/89

- sign 19.796+/-14.110 χ^2/NDF: 32.2/45

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 71.958+/-0.017 χ^2/NDF: 346863.6/18

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

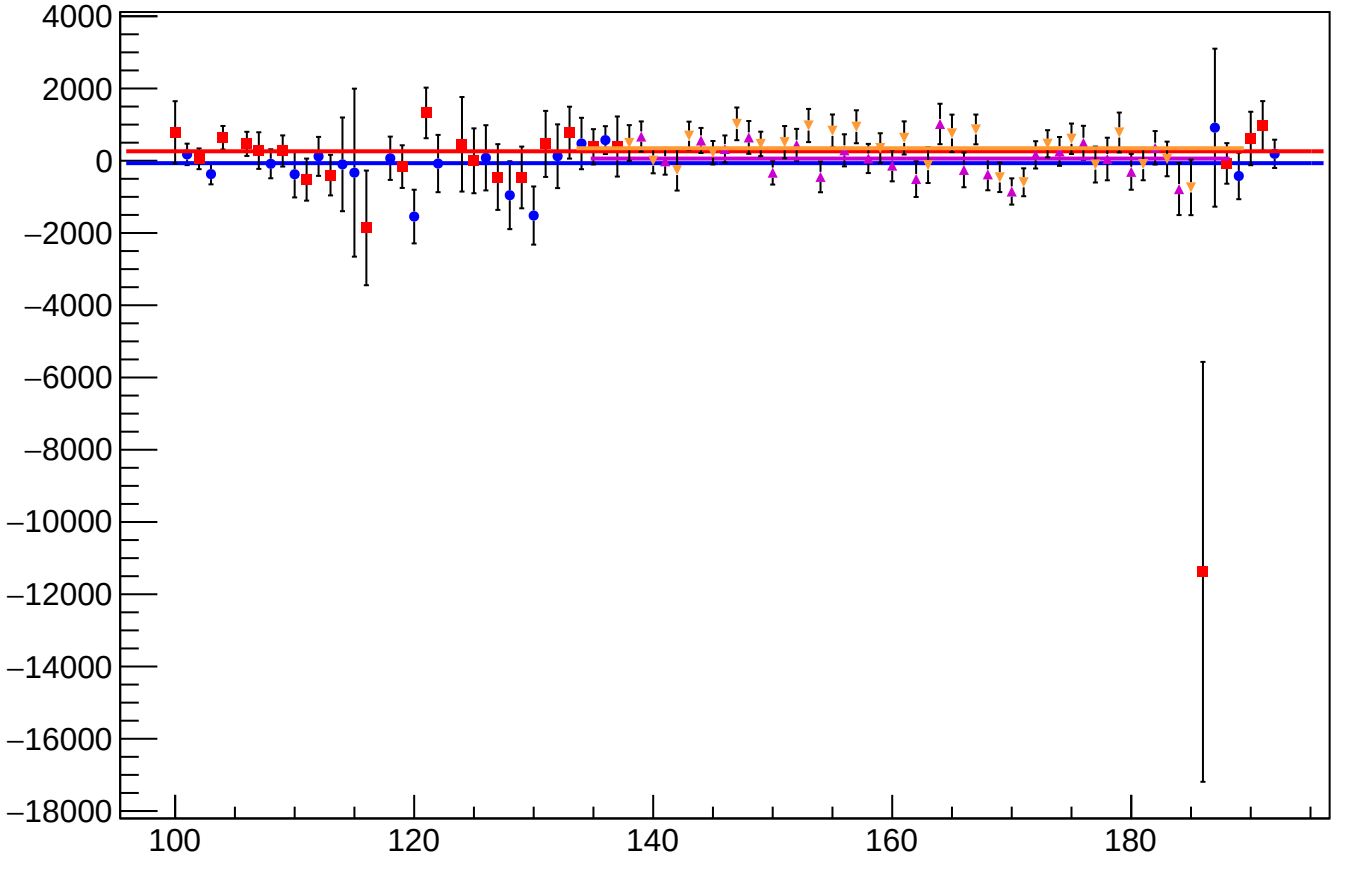
Right Out: 73.380+/-0.017 χ^2/NDF: 929083.5/22

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.014+/-0.010 χ^2/NDF: 1616351.0/43

All: 72.259+/-0.007 χ^2/NDF: 3609257.8/89

- sign 72.516+/-0.010 χ^2/NDF: 1991616.2/45



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

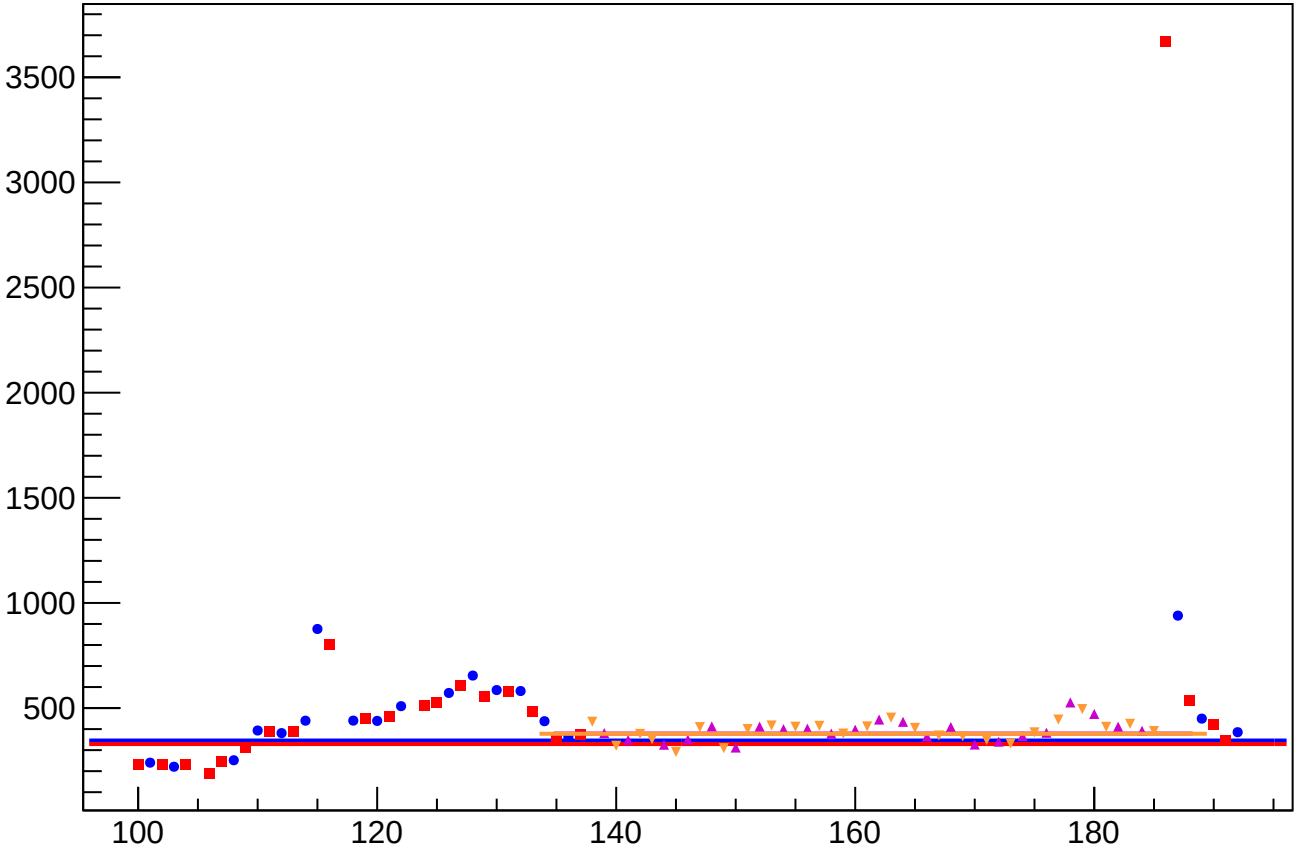
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

\+ sign 209.075+/-70.985 χ^2/NDF: 51.1/43

All: 171.669+/-50.222 χ^2/NDF: 97.5/89

\- sign 134.180+/-71.064 χ^2/NDF: 45.9/45

asym_sam_37_48_dd_dit_correction_rms vs Slug



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

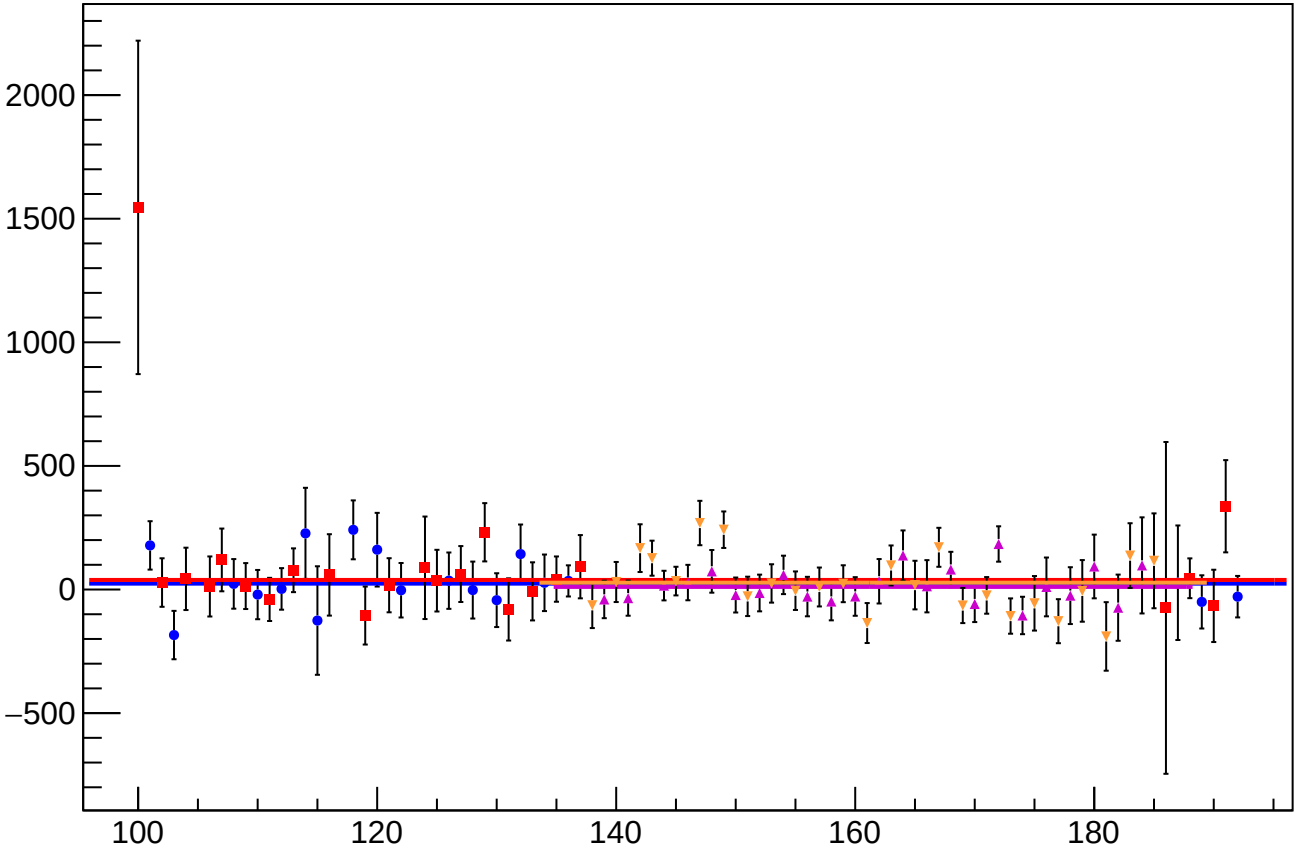
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 367.138+/-0.050 χ^2/NDF: 2693107.6/43

All: 363.785+/-0.036 χ^2/NDF: 6366965.0/89

- sign 360.425+/-0.050 χ^2/NDF: 3664925.0/45

eigen_dit_asym_sam_37_48_dd_mean vs Slug



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

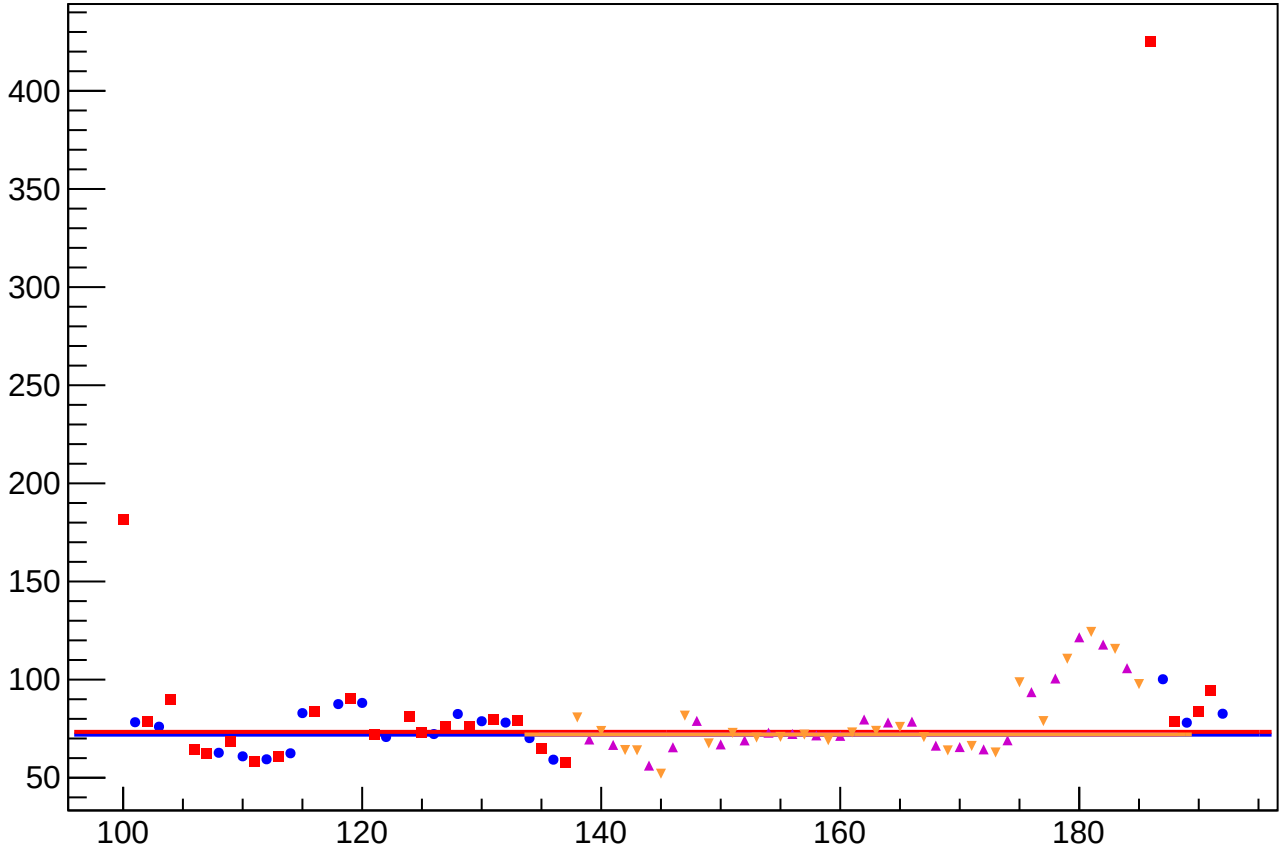
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 26.394+/-13.804 χ^2/NDF: 57.9/43

All: 23.167+/-9.867 χ^2/NDF: 90.2/89

- sign 19.796+/-14.110 χ^2/NDF: 32.2/45

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 71.958+/-0.017 χ^2/NDF: 346859.2/18

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

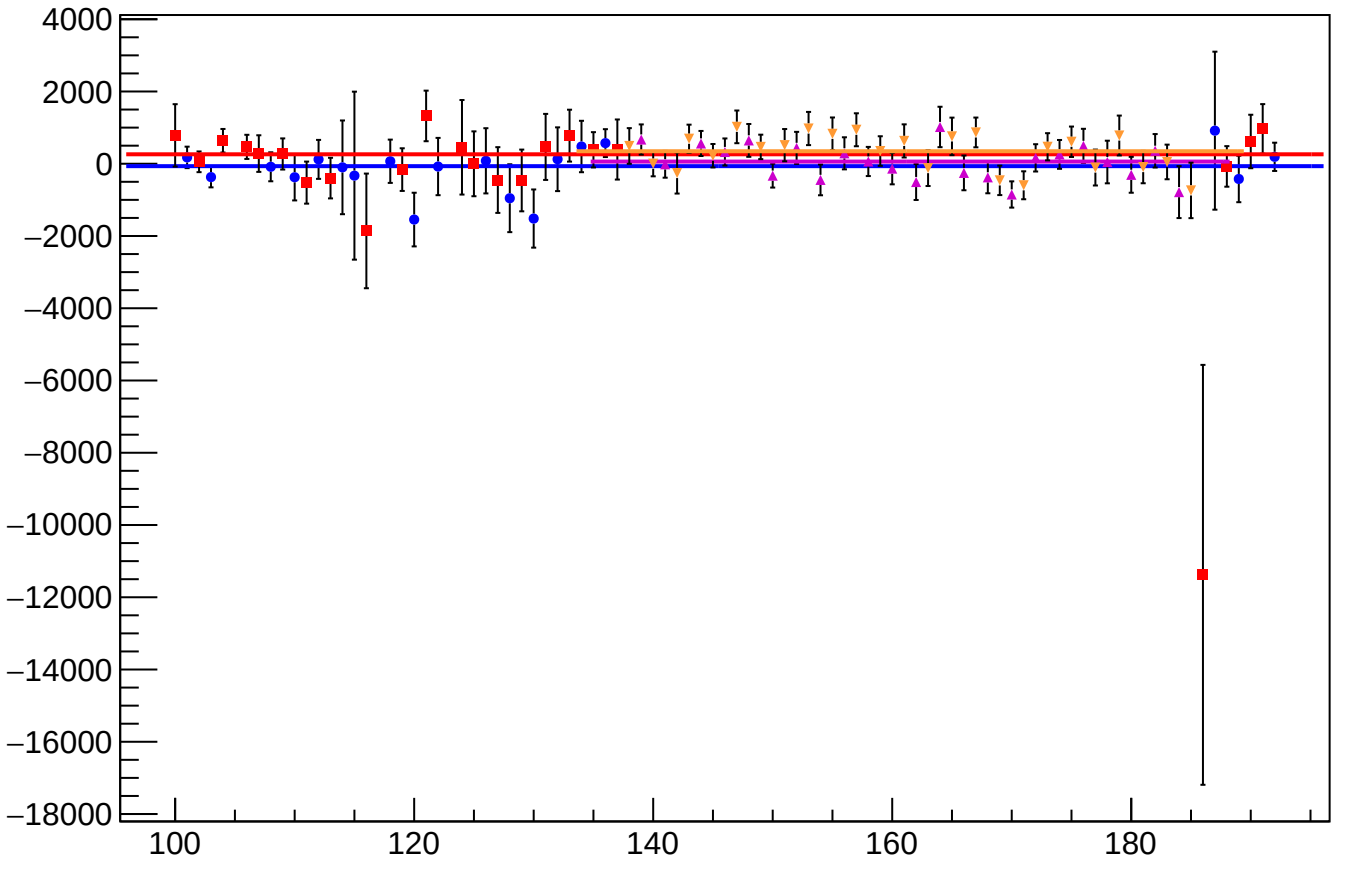
Right Out: 73.380+/-0.017 χ^2/NDF: 929083.5/22

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.014+/-0.010 χ^2/NDF: 1616354.0/43

All: 72.259+/-0.007 χ^2/NDF: 3609251.2/89

- sign 72.516+/-0.010 χ^2/NDF: 1991606.7/45



Right In: -66.936+/-123.281 χ^2/NDF: 14.7/18

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

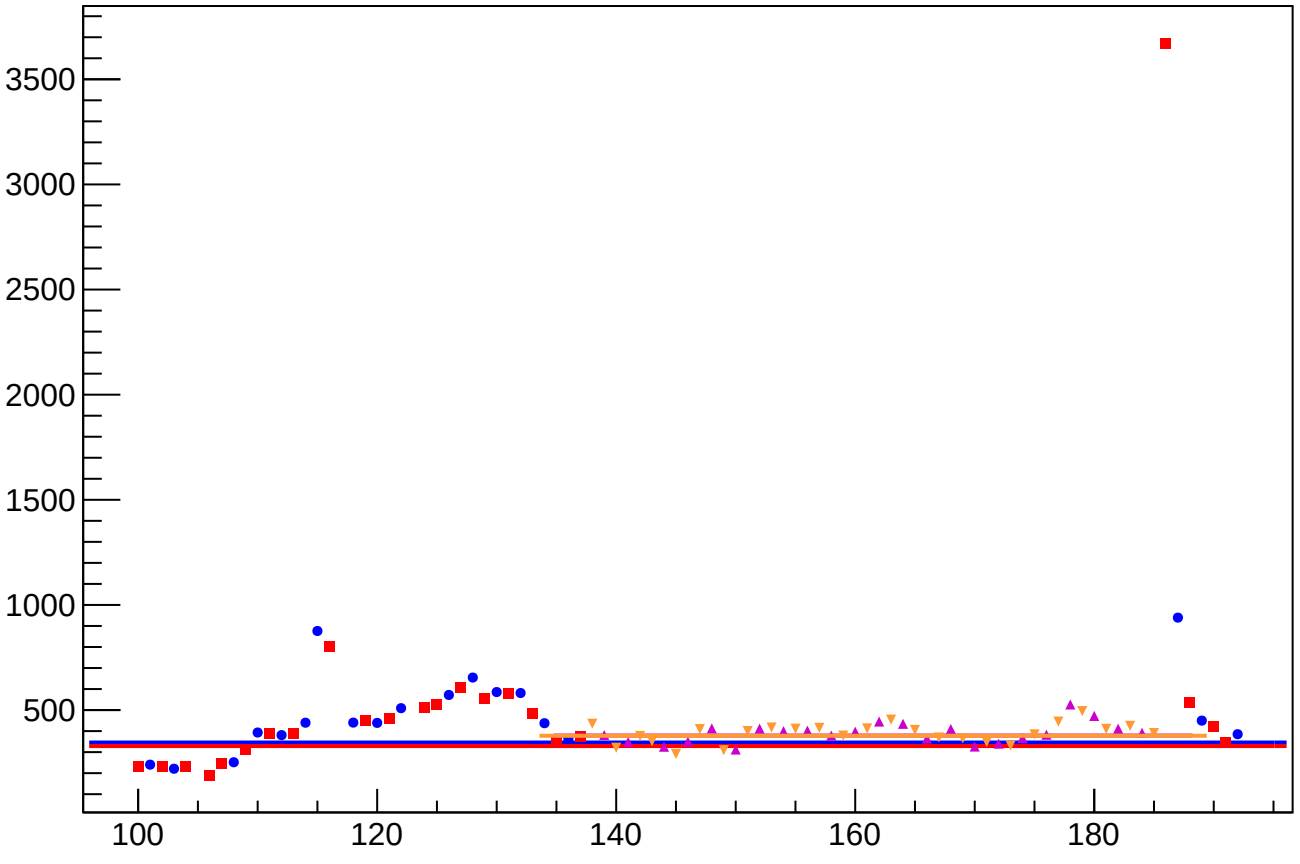
Right Out: 261.572+/-117.098 χ^2/NDF: 18.1/22

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 209.074+/-70.985 χ^2/NDF: 51.1/43

All: 171.669+/-50.222 χ^2/NDF: 97.5/89

- sign 134.180+/-71.064 χ^2/NDF: 45.9/45



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

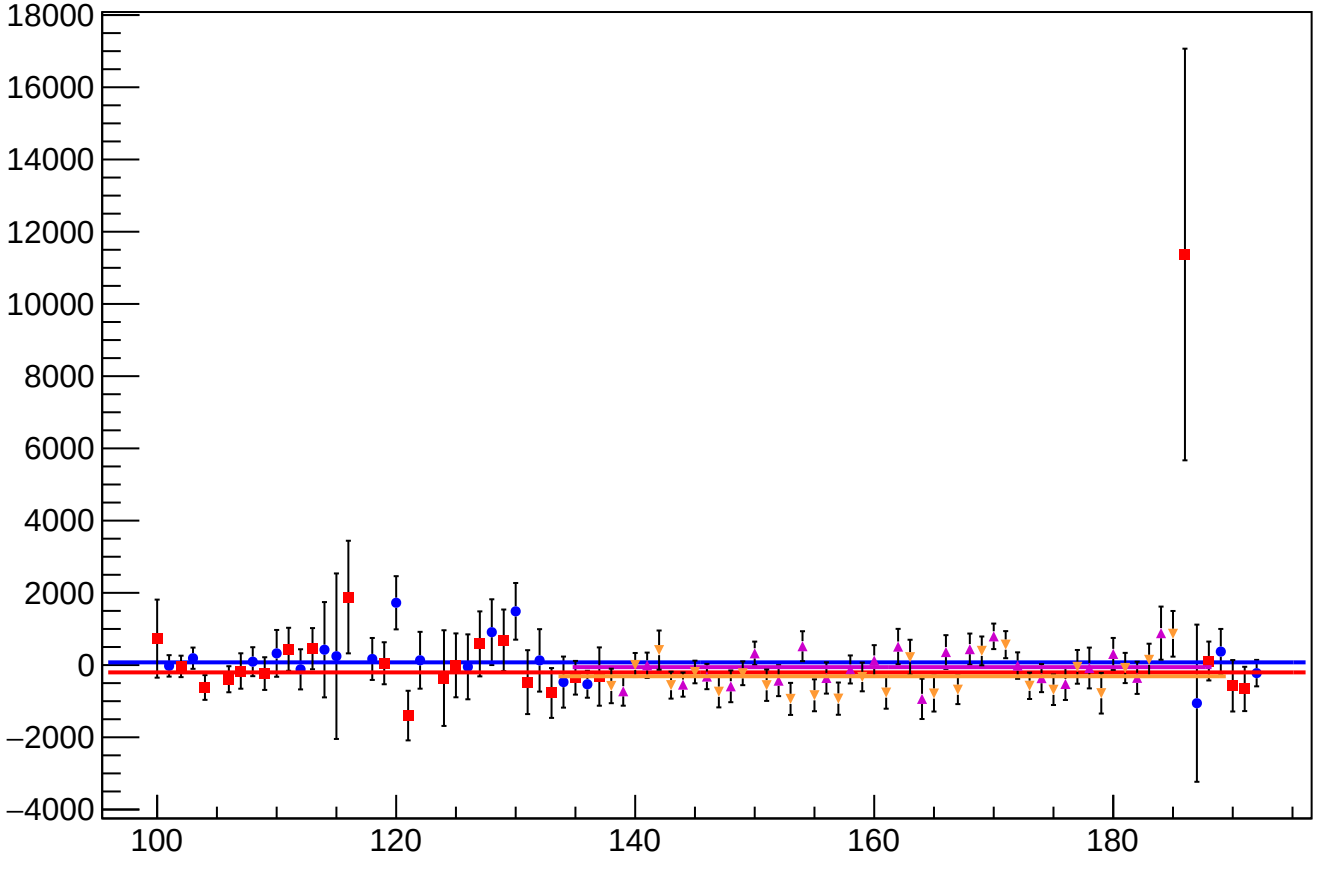
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 367.138+/-0.050 χ^2/NDF: 2693100.4/43

All: 363.785+/-0.036 χ^2/NDF: 6366944.1/89

- sign 360.425+/-0.050 χ^2/NDF: 3664911.3/45

asym_sam_37_48_dd_mean vs Slug



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

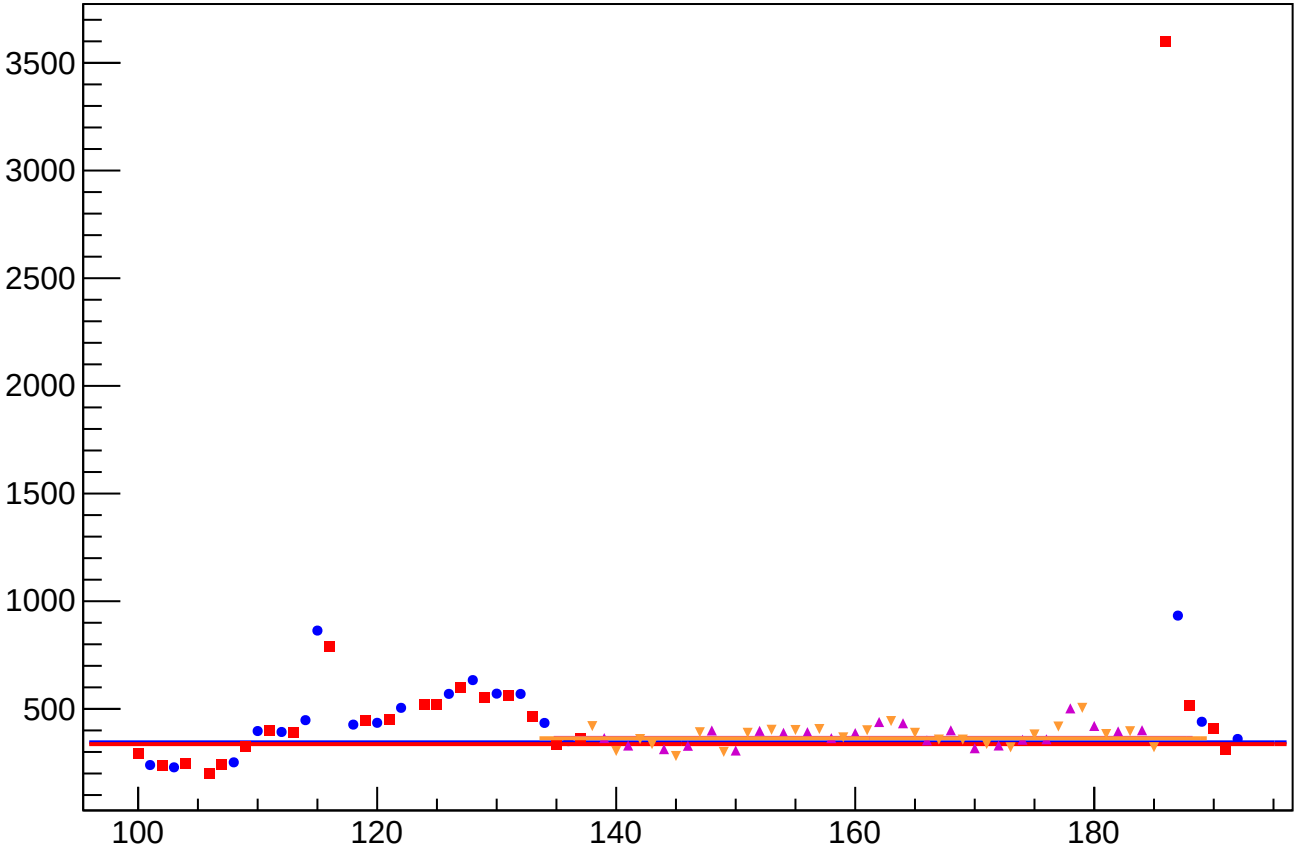
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -186.883+/-69.103 χ^2/NDF: 50.9/43

All: -147.661+/-49.099 χ^2/NDF: 98.9/89

- sign -107.672+/-69.774 χ^2/NDF: 47.4/45

asym_sam_37_48_dd_rms vs Slug



Right In: 344.659+/-0.087 χ^2/NDF: 1823639.2/18

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

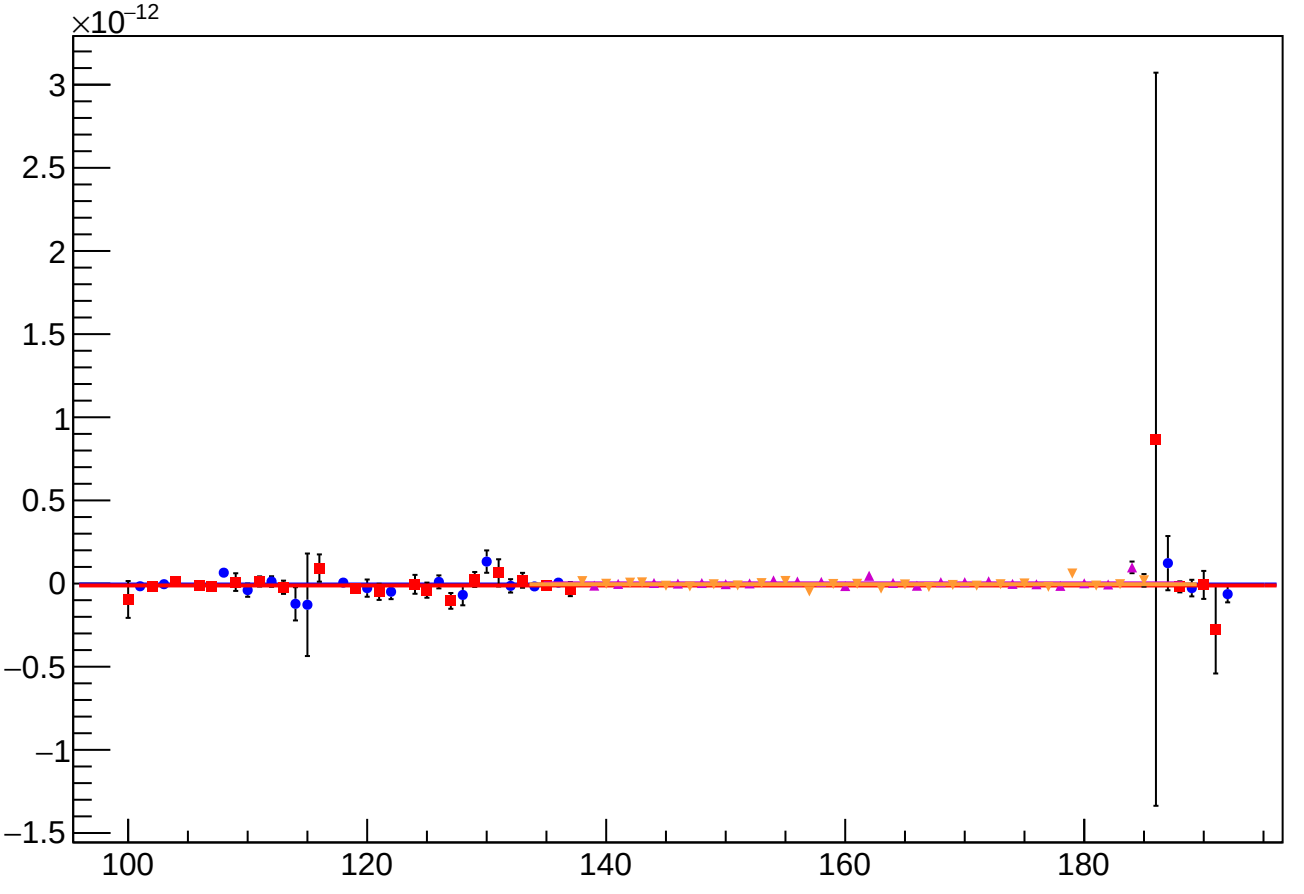
Right Out: 336.401+/-0.084 χ^2/NDF: 2581956.0/22

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 357.646+/-0.049 χ^2/NDF: 2525891.4/43

All: 356.504+/-0.035 χ^2/NDF: 5696121.9/89

- sign 355.341+/-0.049 χ^2/NDF: 3169128.7/45



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

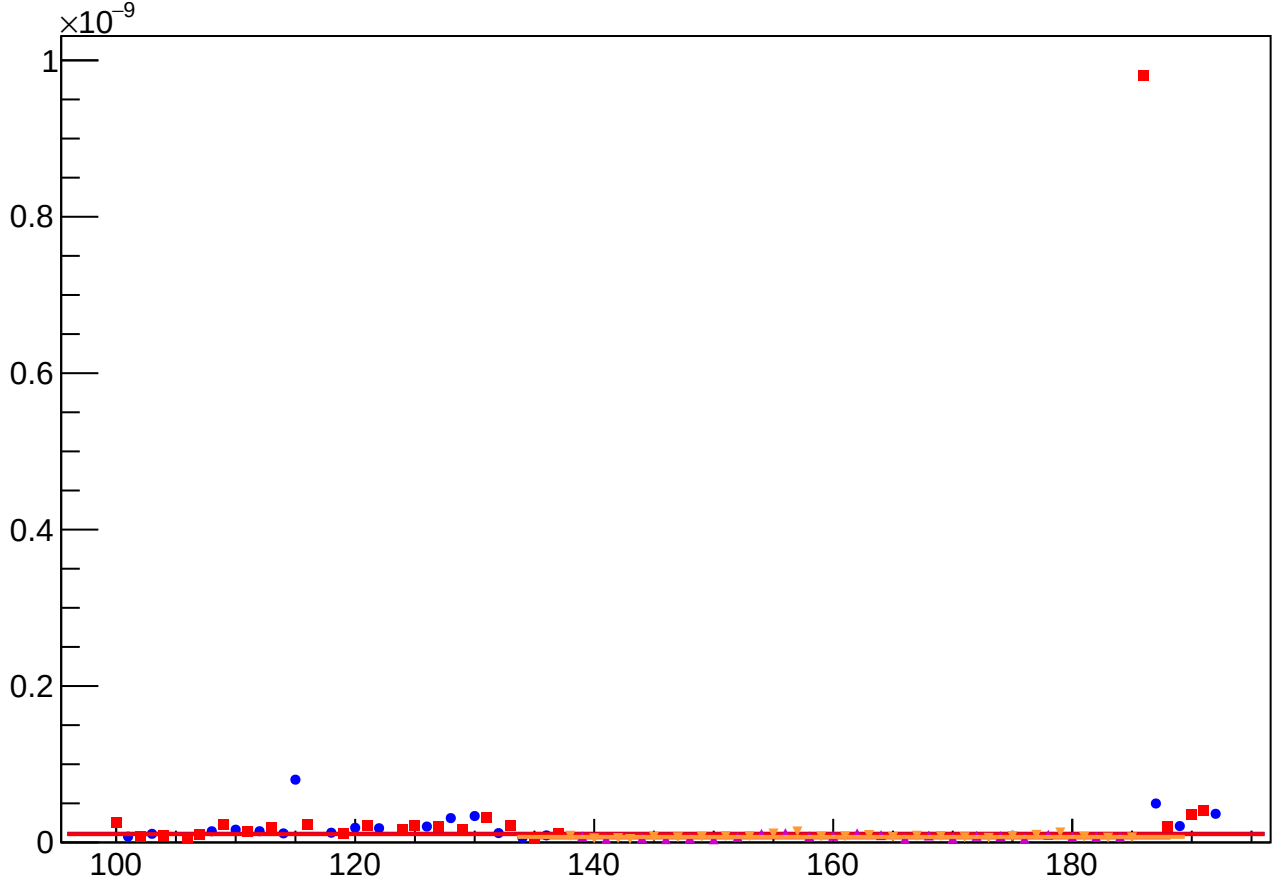
Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.6/43

All: -0.000+/-0.000 χ^2/NDF: 80.6/89

- sign -0.000+/-0.000 χ^2/NDF: 38.8/45

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



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

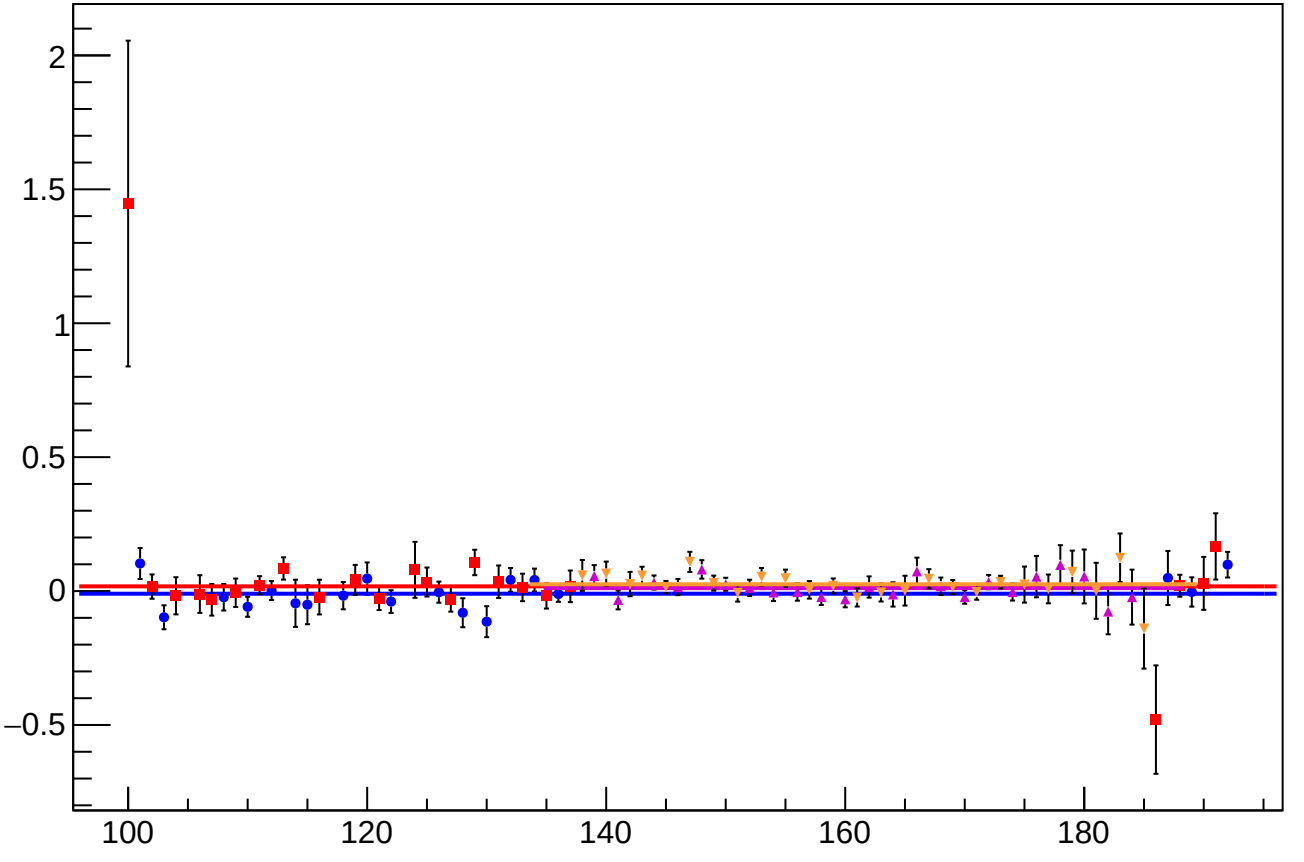
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

\+ sign 0.000+/-0.000 χ^2/NDF: 3470981.6/43

All: 0.000+/-0.000 χ^2/NDF: 7710108.1/89

\- sign 0.000+/-0.000 χ^2/NDF: 4170473.3/45

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



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

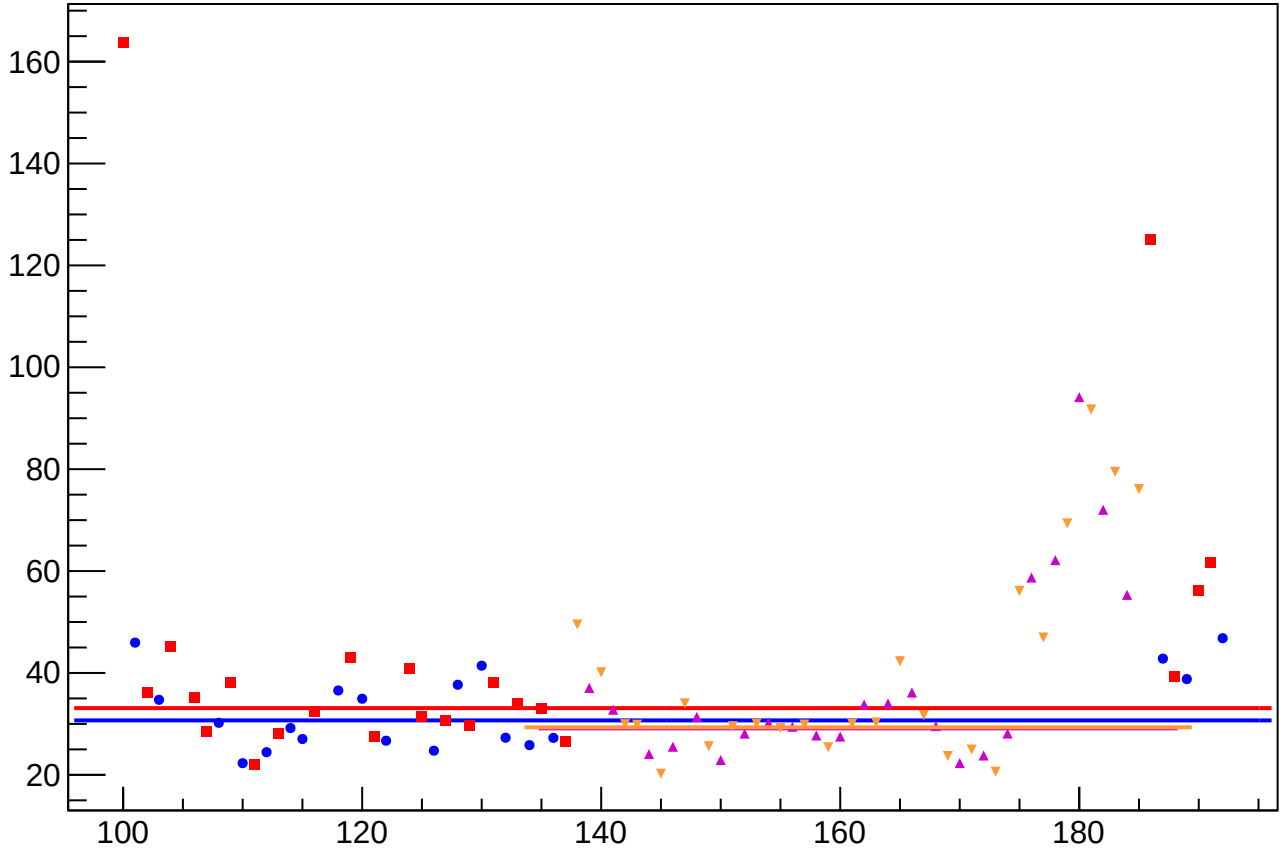
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.014+/-0.006 χ^2/NDF: 49.6/43

All: 0.014+/-0.004 χ^2/NDF: 93.2/89

- sign 0.013+/-0.006 χ^2/NDF: 43.6/45

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.688+/-0.008 χ^2/NDF: 891904.5/18

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

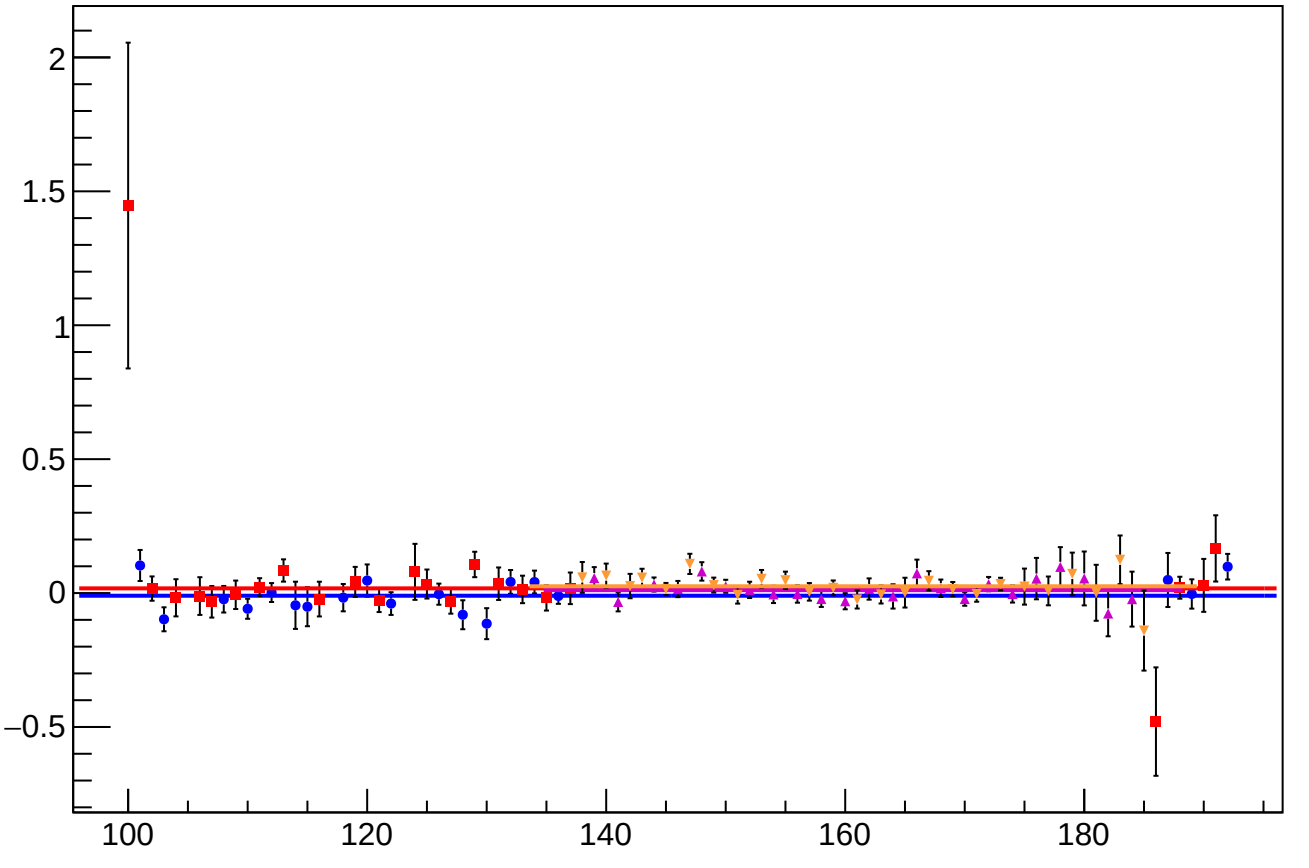
Right Out: 33.098+/-0.008 χ^2/NDF: 1275500.6/22

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

\+ sign 29.752+/-0.004 χ^2/NDF: 4788585.7/43

All: 30.003+/-0.003 χ^2/NDF: 9081675.5/89

\- sign 30.271+/-0.004 χ^2/NDF: 4285749.7/45



Right In: -0.010+/-0.011 χ^2/NDF: 24.7/18

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

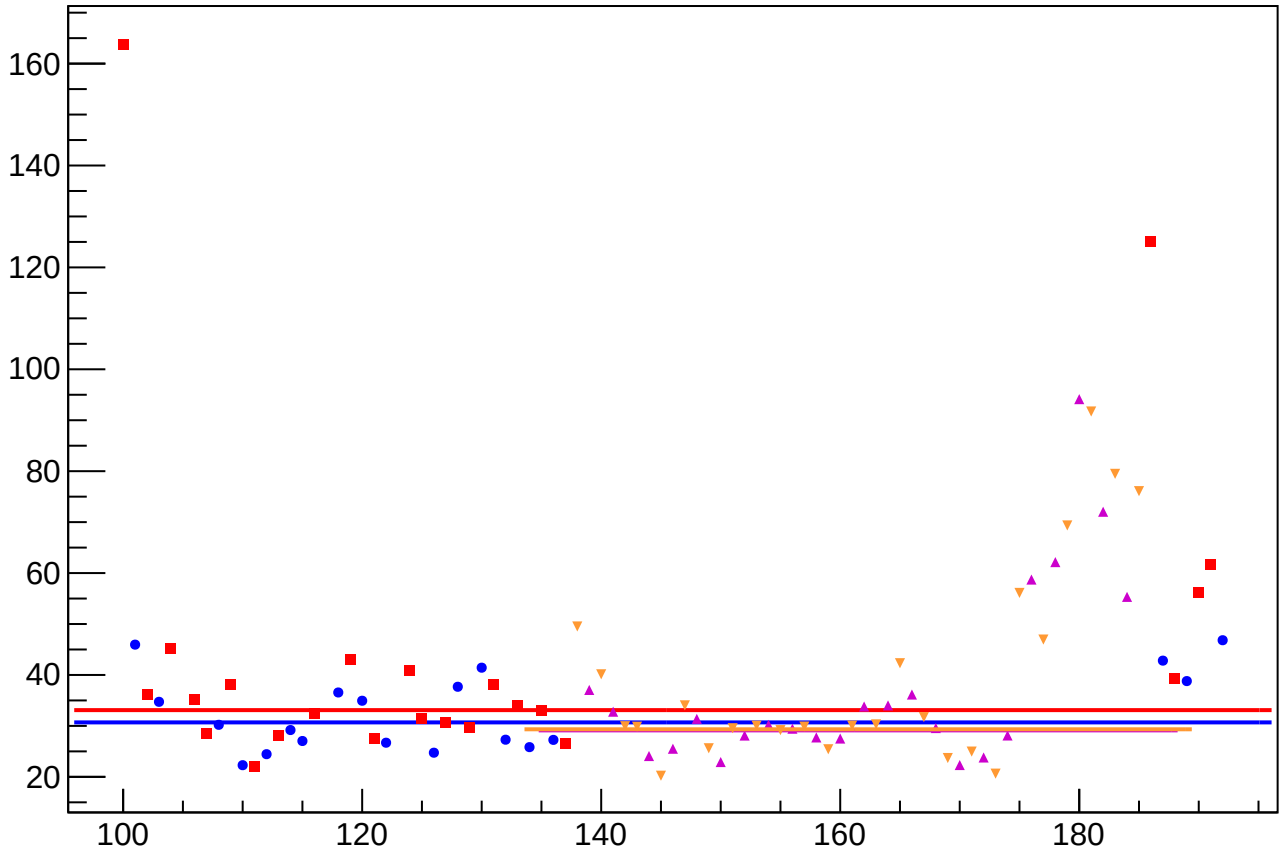
Right Out: 0.018+/-0.011 χ^2/NDF: 24.3/22

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.014+/-0.006 χ^2/NDF: 49.6/43

All: 0.014+/-0.004 χ^2/NDF: 93.2/89

- sign 0.013+/-0.006 χ^2/NDF: 43.6/45



Right In: 30.688+/-0.008 χ^2/NDF: 891904.5/18

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

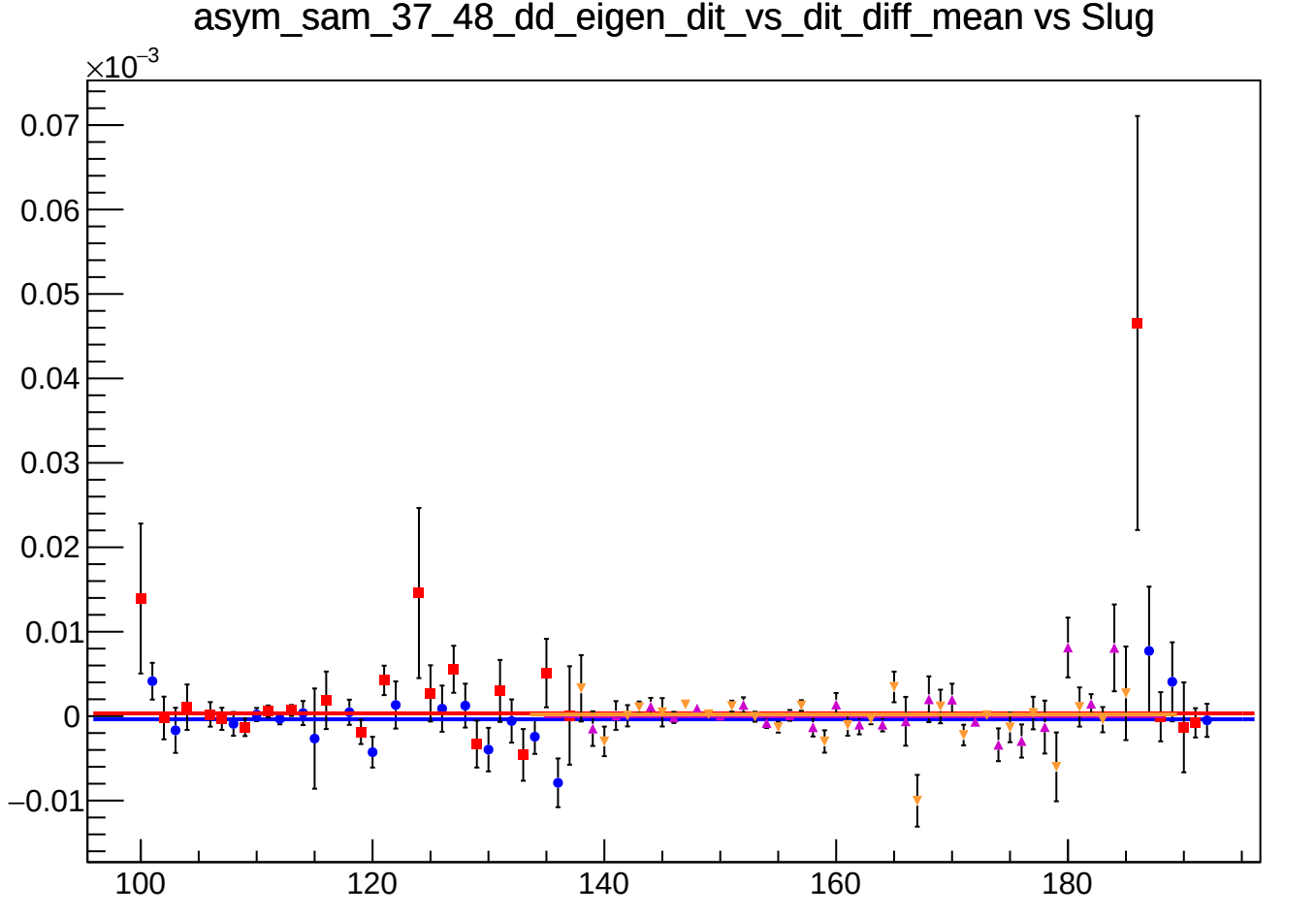
Right Out: 33.098+/-0.008 χ^2/NDF: 1275500.6/22

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.752+/-0.004 χ^2/NDF: 4788585.7/43

All: 30.003+/-0.003 χ^2/NDF: 9081675.5/89

- sign 30.271+/-0.004 χ^2/NDF: 4285749.7/45



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

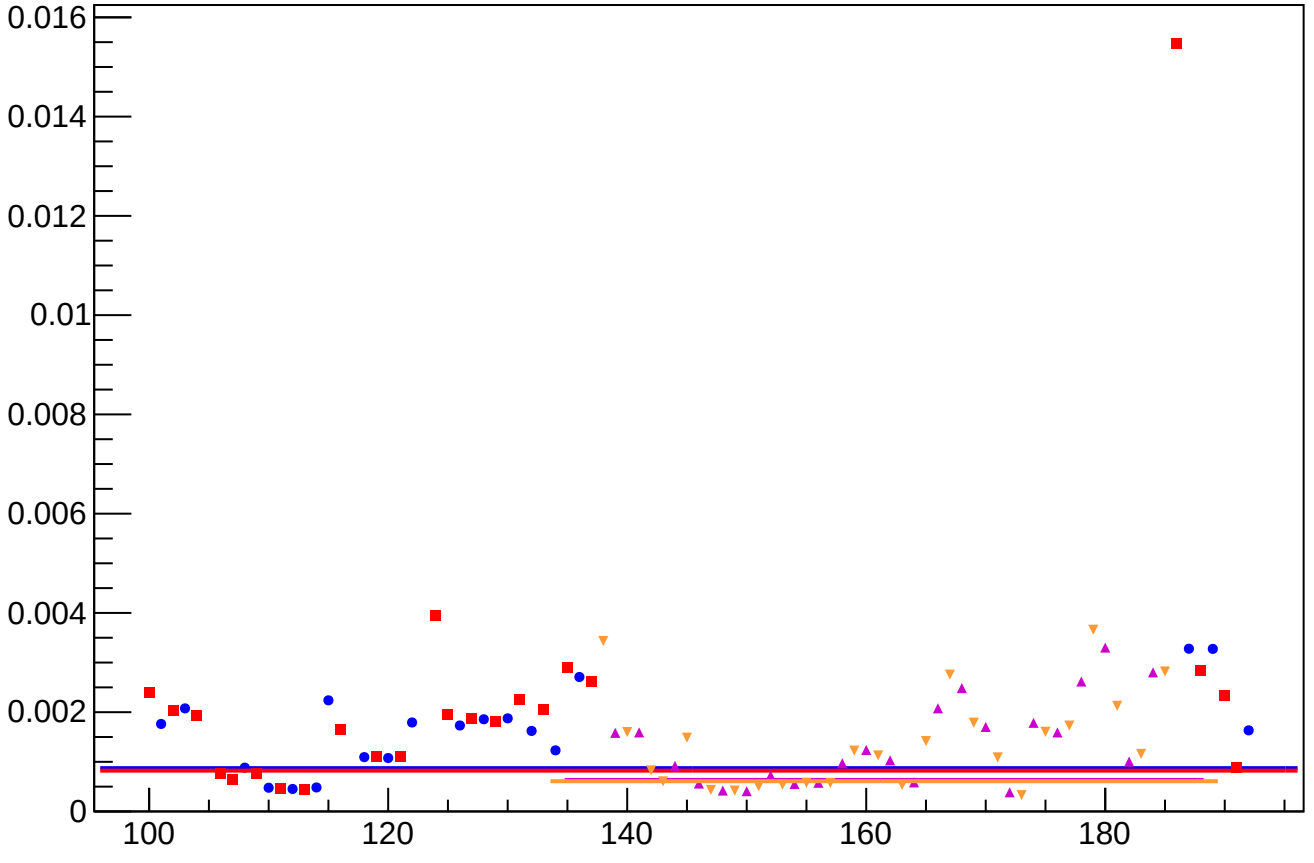
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.9/43

All: 0.000+/-0.000 χ^2/NDF: 141.0/89

- sign 0.000+/-0.000 χ^2/NDF: 63.1/45

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5509880.4/18

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

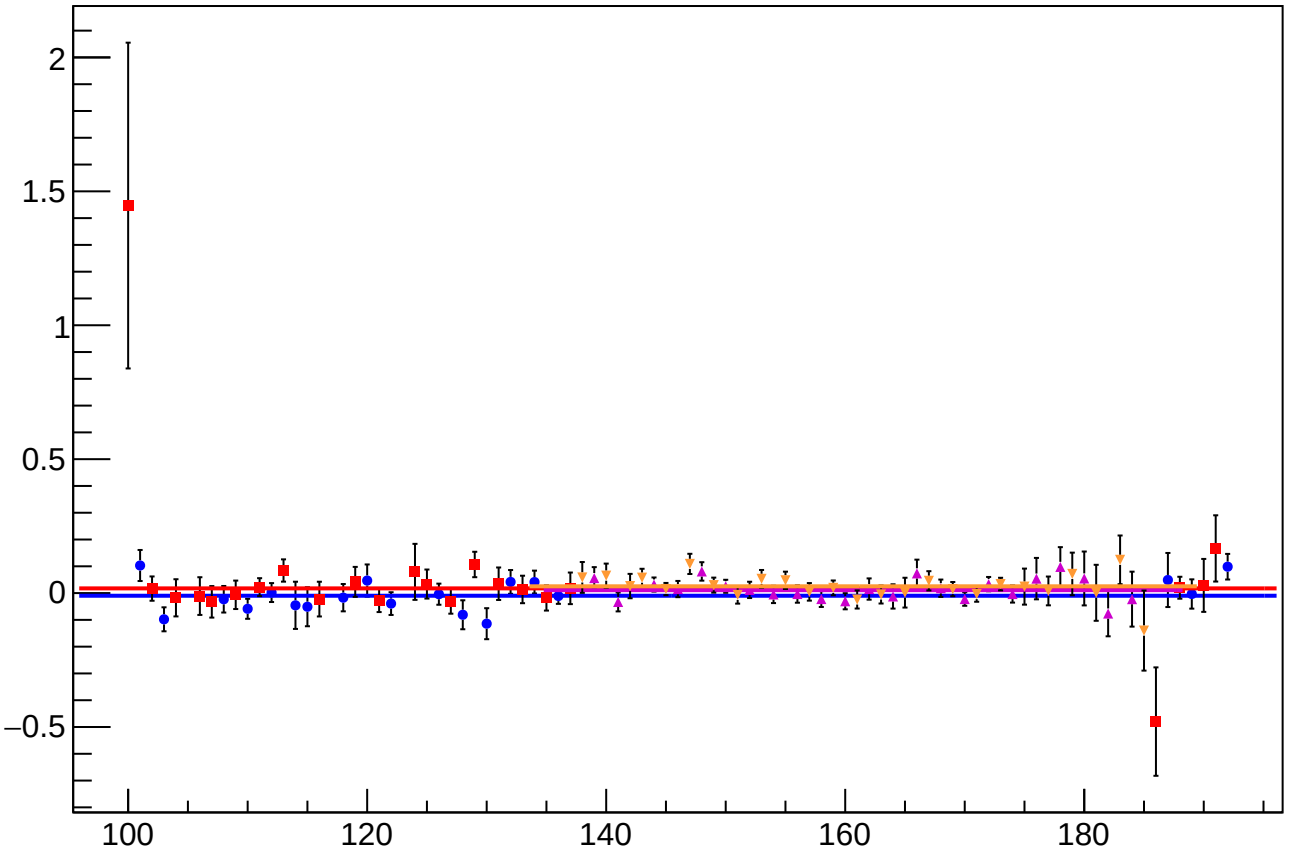
Right Out: 0.001+/-0.000 χ^2/NDF: 6507121.0/22

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 17340916.9/43

All: 0.001+/-0.000 χ^2/NDF: 33718283.1/89

- sign 0.001+/-0.000 χ^2/NDF: 16359508.0/45



Right In: -0.010+/-0.011 χ^2/NDF: 24.7/18

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

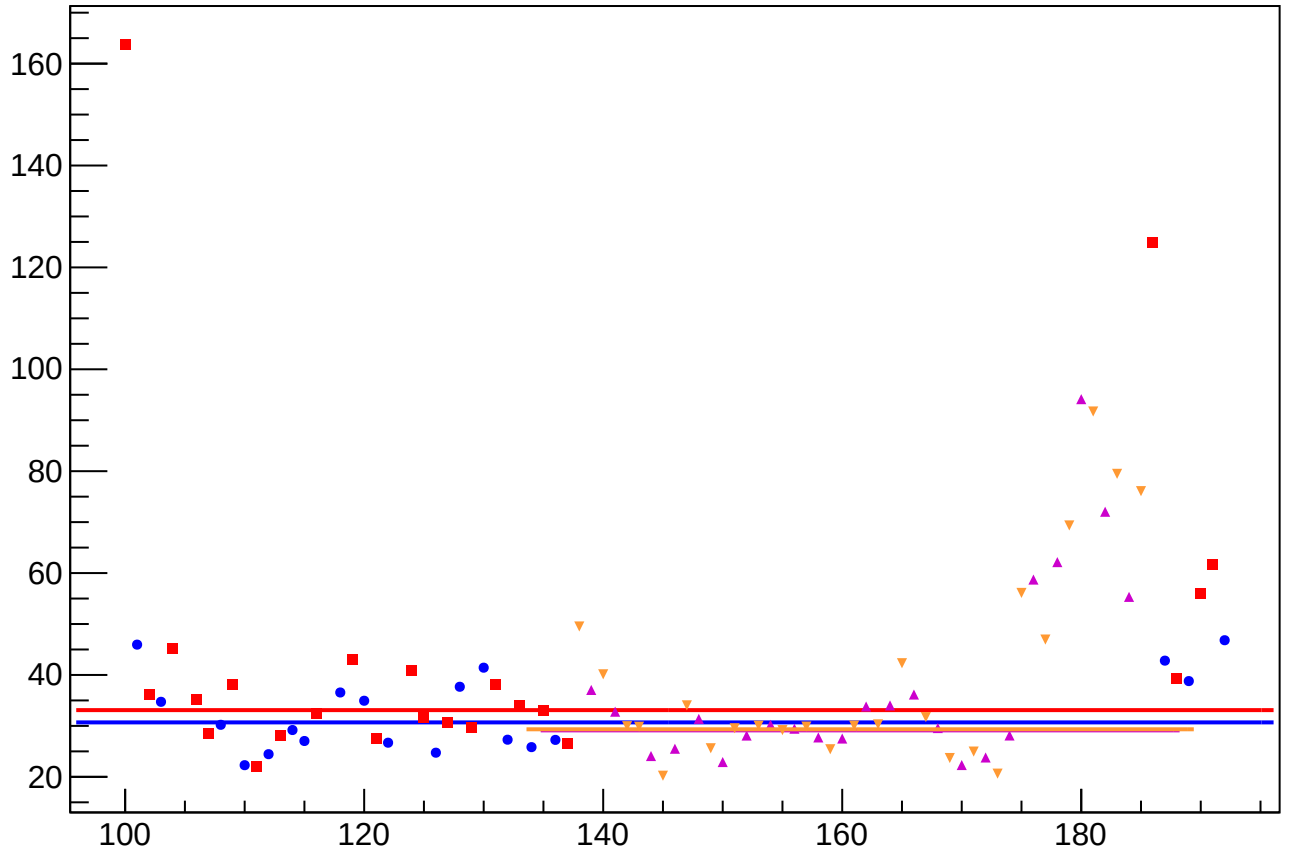
Right Out: 0.018+/-0.011 χ^2/NDF: 24.3/22

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.014+/-0.006 χ^2/NDF: 49.6/43

All: 0.014+/-0.004 χ^2/NDF: 93.2/89

- sign 0.013+/-0.006 χ^2/NDF: 43.6/45



Right In: 30.688+/-0.008 χ^2/NDF: 891847.0/18

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

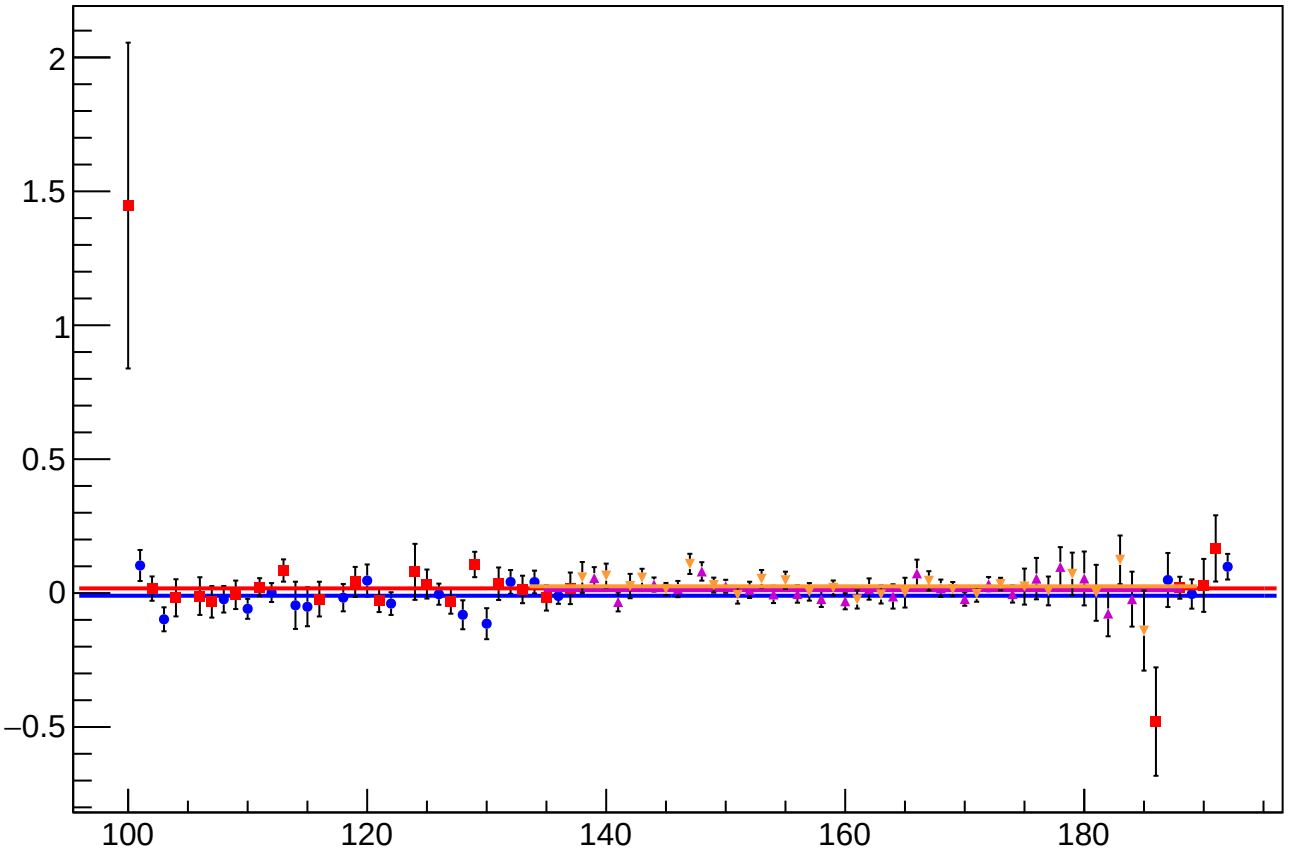
Right Out: 33.098+/-0.008 χ^2/NDF: 1275438.2/22

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.751+/-0.004 χ^2/NDF: 4788601.7/43

All: 30.003+/-0.003 χ^2/NDF: 9081626.4/89

- sign 30.271+/-0.004 χ^2/NDF: 4285683.0/45



Right In: -0.010+/-0.011 χ^2/NDF: 24.7/18

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

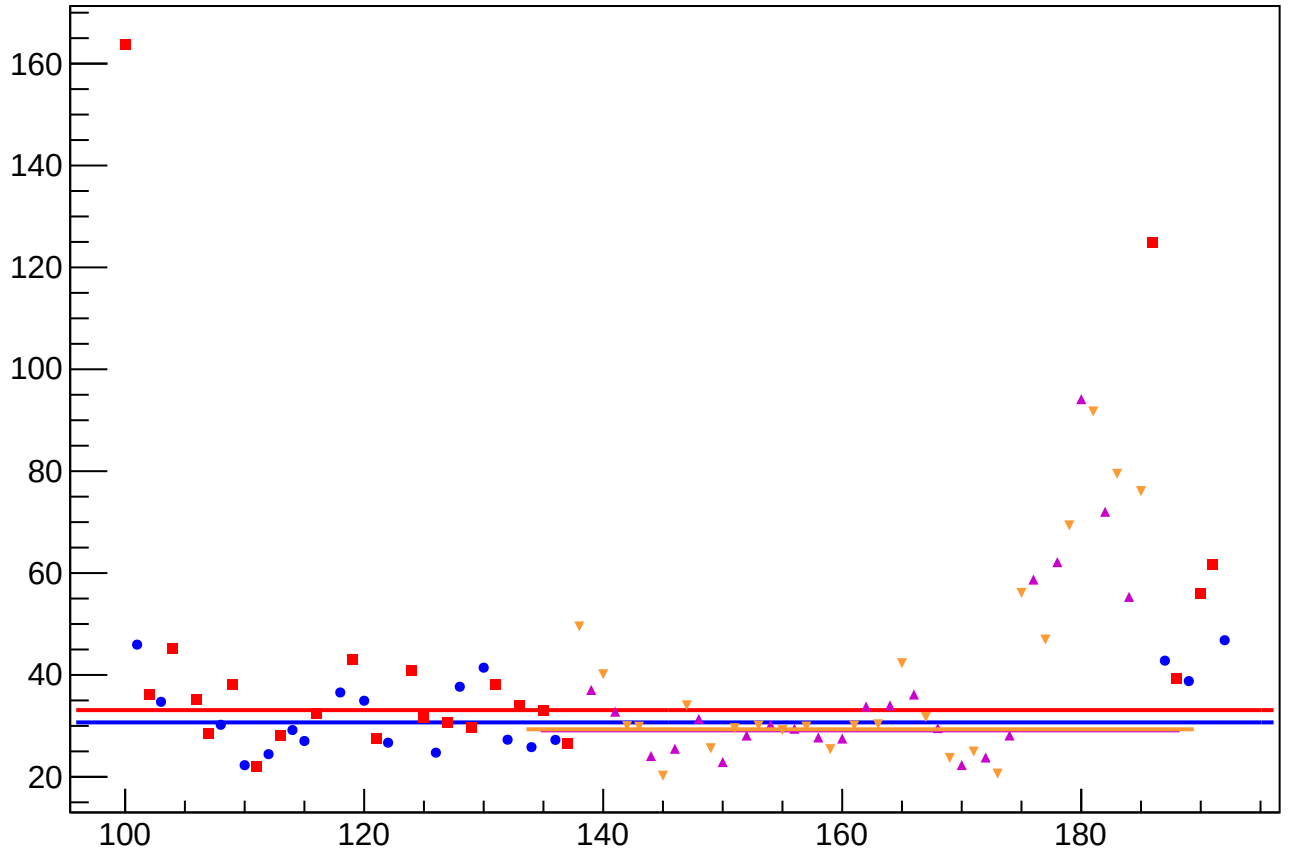
Right Out: 0.018+/-0.011 χ^2/NDF: 24.3/22

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.014+/-0.006 χ^2/NDF: 49.6/43

All: 0.014+/-0.004 χ^2/NDF: 93.2/89

- sign 0.013+/-0.006 χ^2/NDF: 43.6/45



Right In: 30.688+/-0.008 χ^2/NDF: 891847.0/18

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

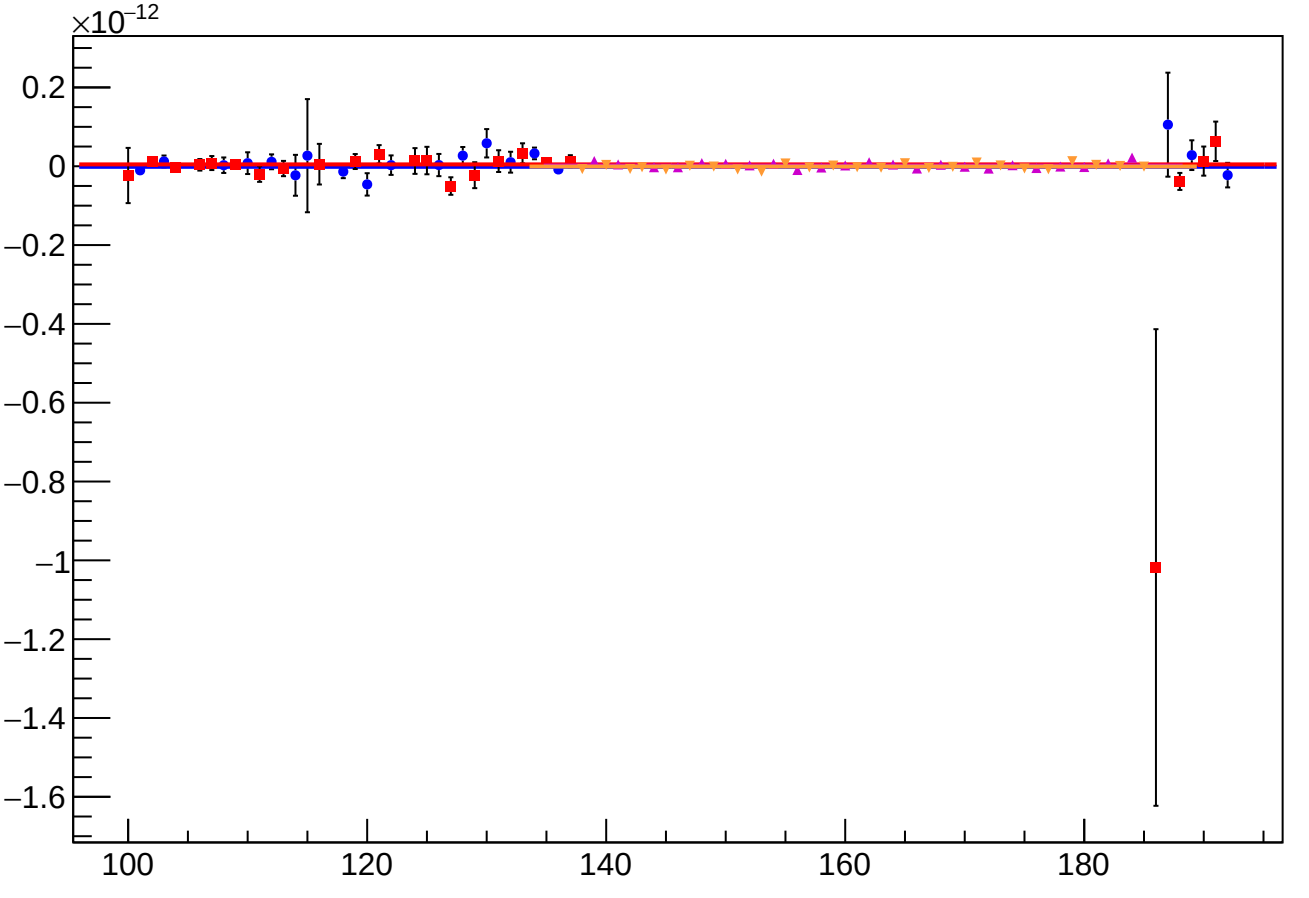
Right Out: 33.098+/-0.008 χ^2/NDF: 1275438.2/22

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.751+/-0.004 χ^2/NDF: 4788601.7/43

All: 30.003+/-0.003 χ^2/NDF: 9081626.4/89

- sign 30.271+/-0.004 χ^2/NDF: 4285683.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 18.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

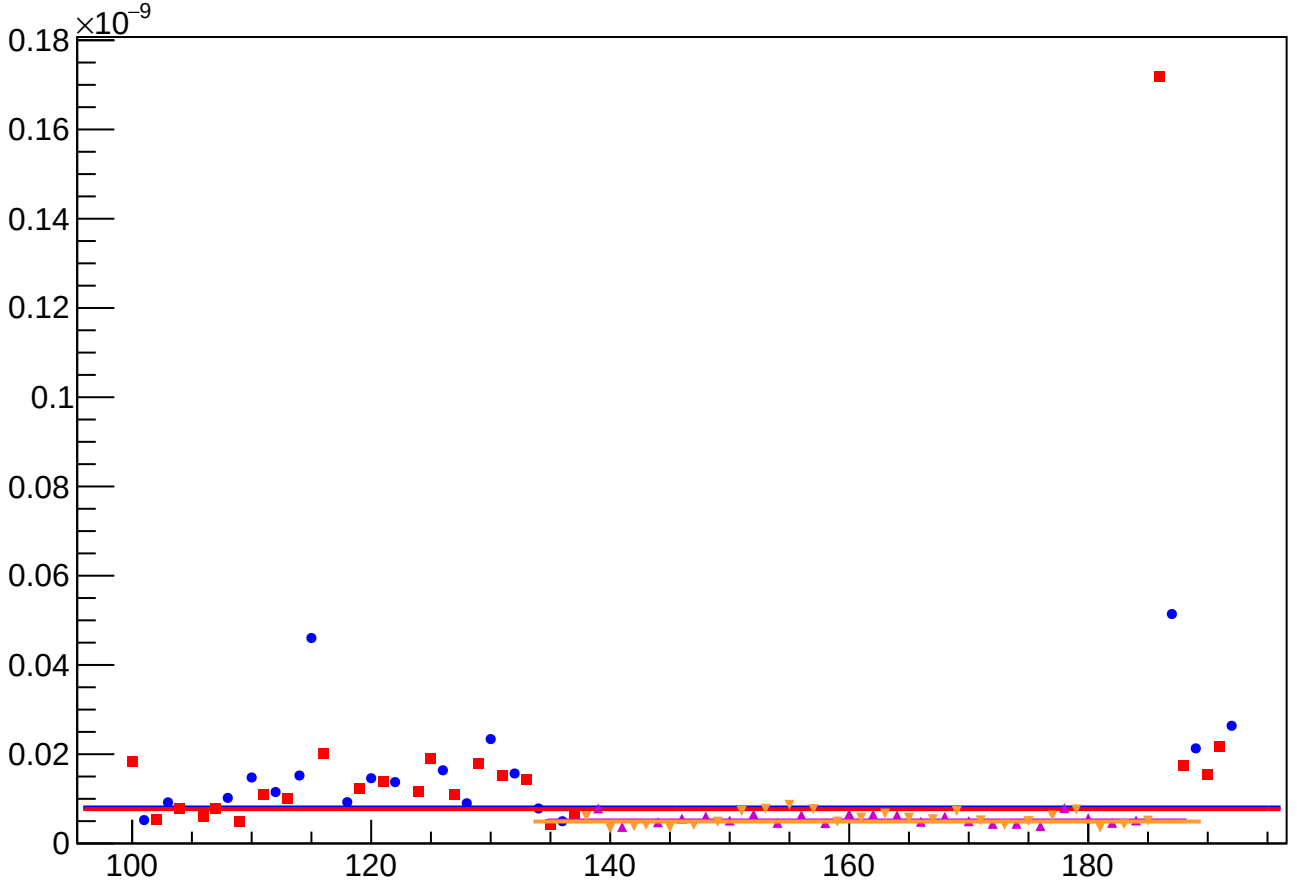
Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/22

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.8/43

All: 0.000+/-0.000 χ^2/NDF: 74.8/89

- sign 0.000+/-0.000 χ^2/NDF: 38.9/45



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

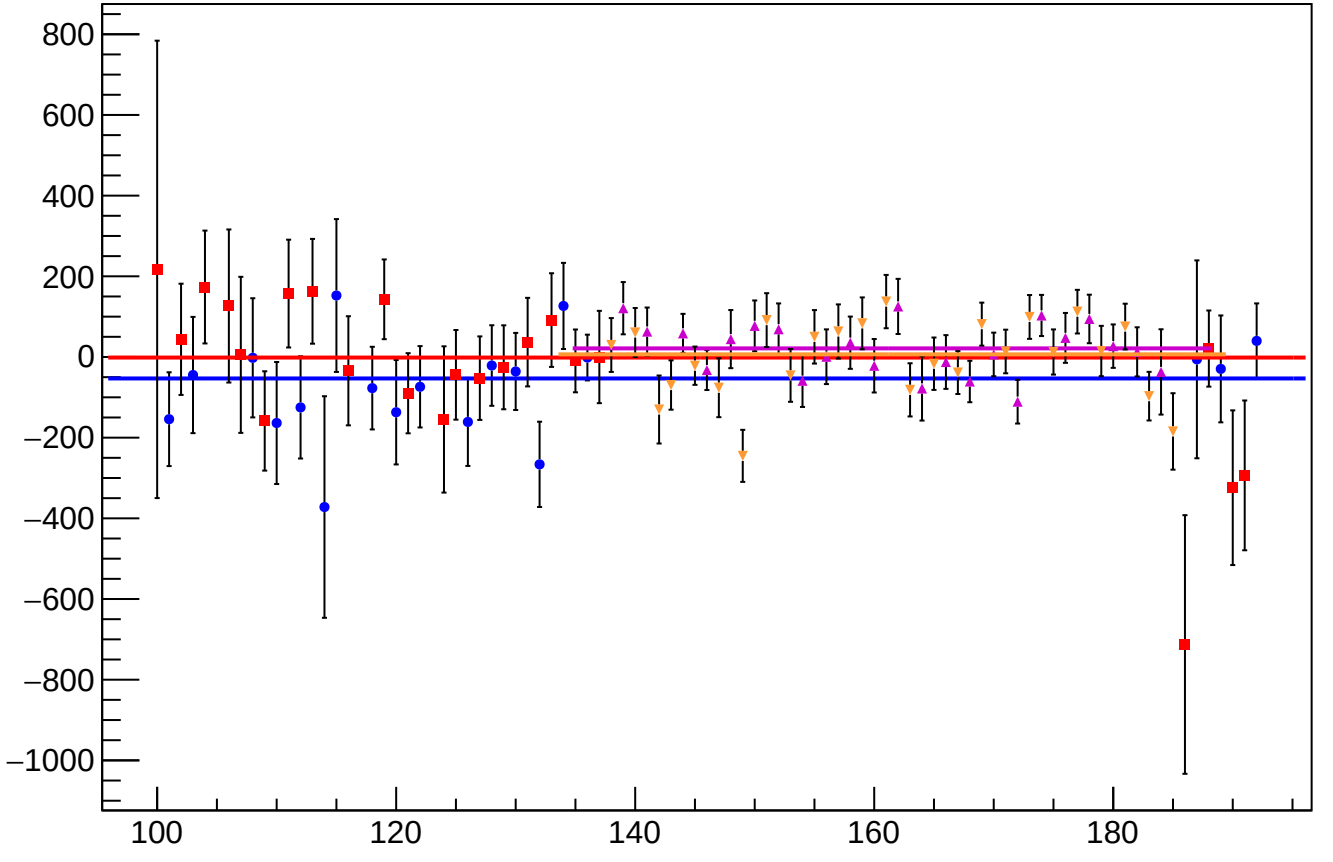
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6296630.6/43

All: 0.000+/-0.000 χ^2/NDF: 10989362.8/89

- sign 0.000+/-0.000 χ^2/NDF: 4666217.2/45

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -53.242+/-25.486 χ^2/NDF: 14.7/18

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -1.422+/-26.038 χ^2/NDF: 22.1/22

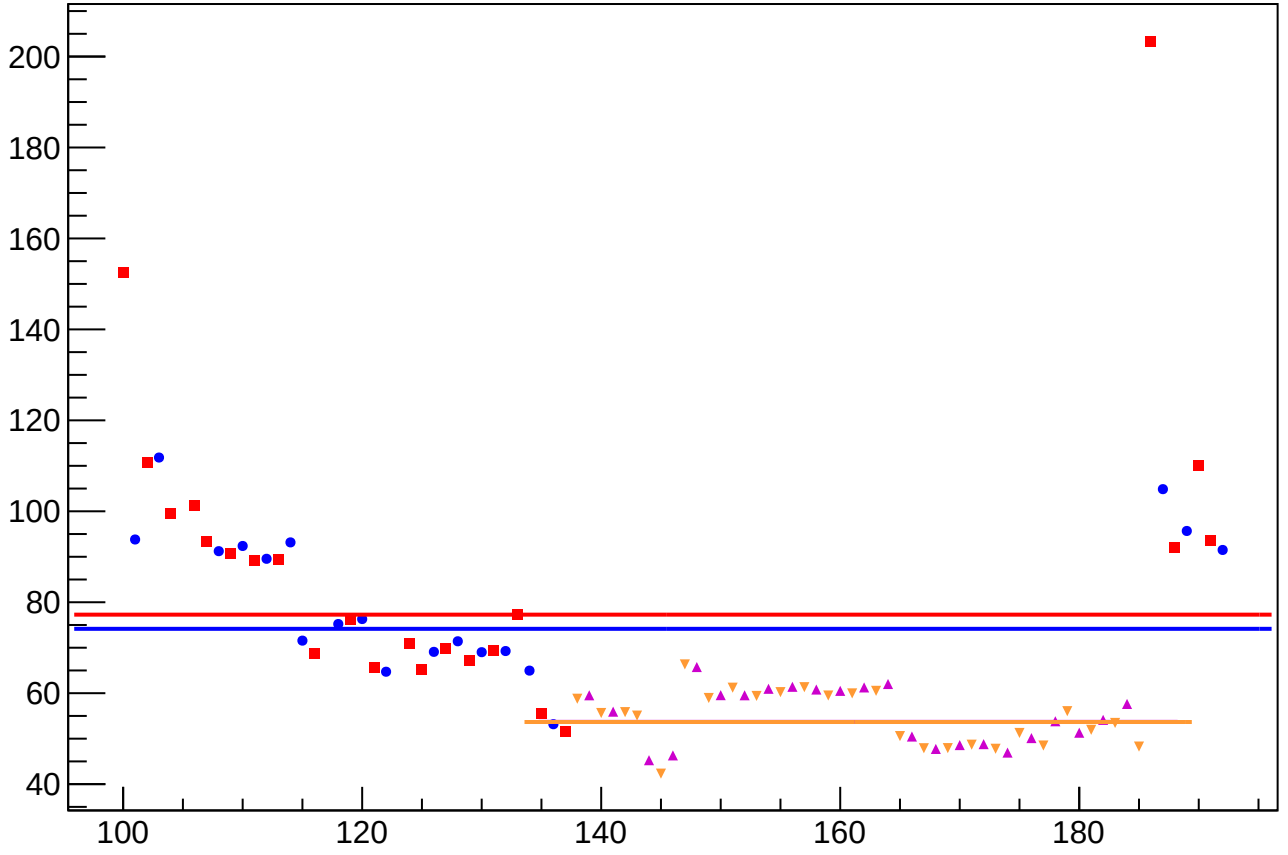
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

\+ sign -4.749+/-11.068 χ^2/NDF: 69.7/43

All: 5.821+/-7.934 χ^2/NDF: 119.7/89

\- sign 16.990+/-11.378 χ^2/NDF: 48.1/45

reg_asym_sam_15_26_dd_rms vs Slug



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

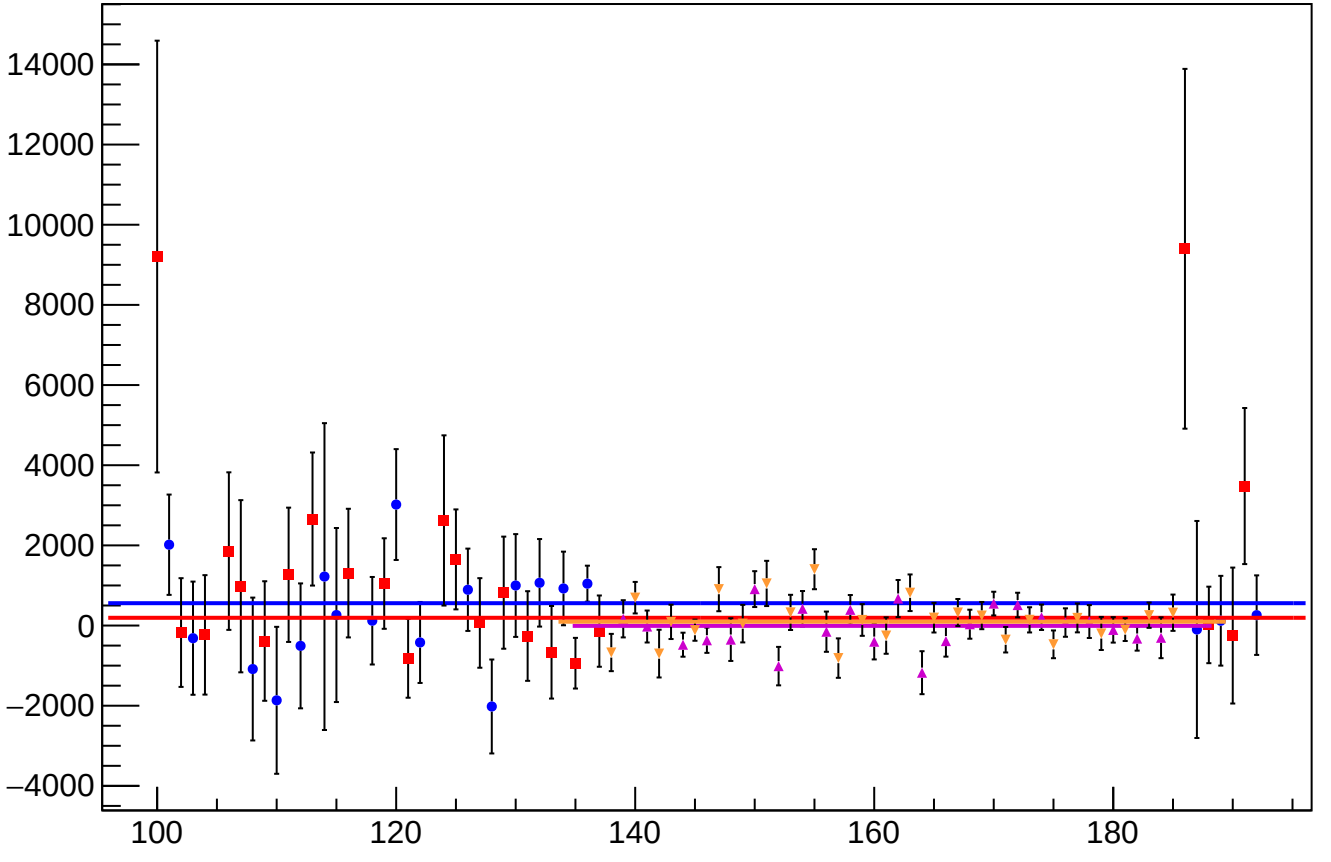
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.530+/-0.008 χ^2/NDF: 2286411.6/43

All: 57.854+/-0.006 χ^2/NDF: 5186126.8/89

- sign 58.196+/-0.008 χ^2/NDF: 2896187.9/45

asym_sam_15_26_dd_reg_correction_mean vs Slug



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

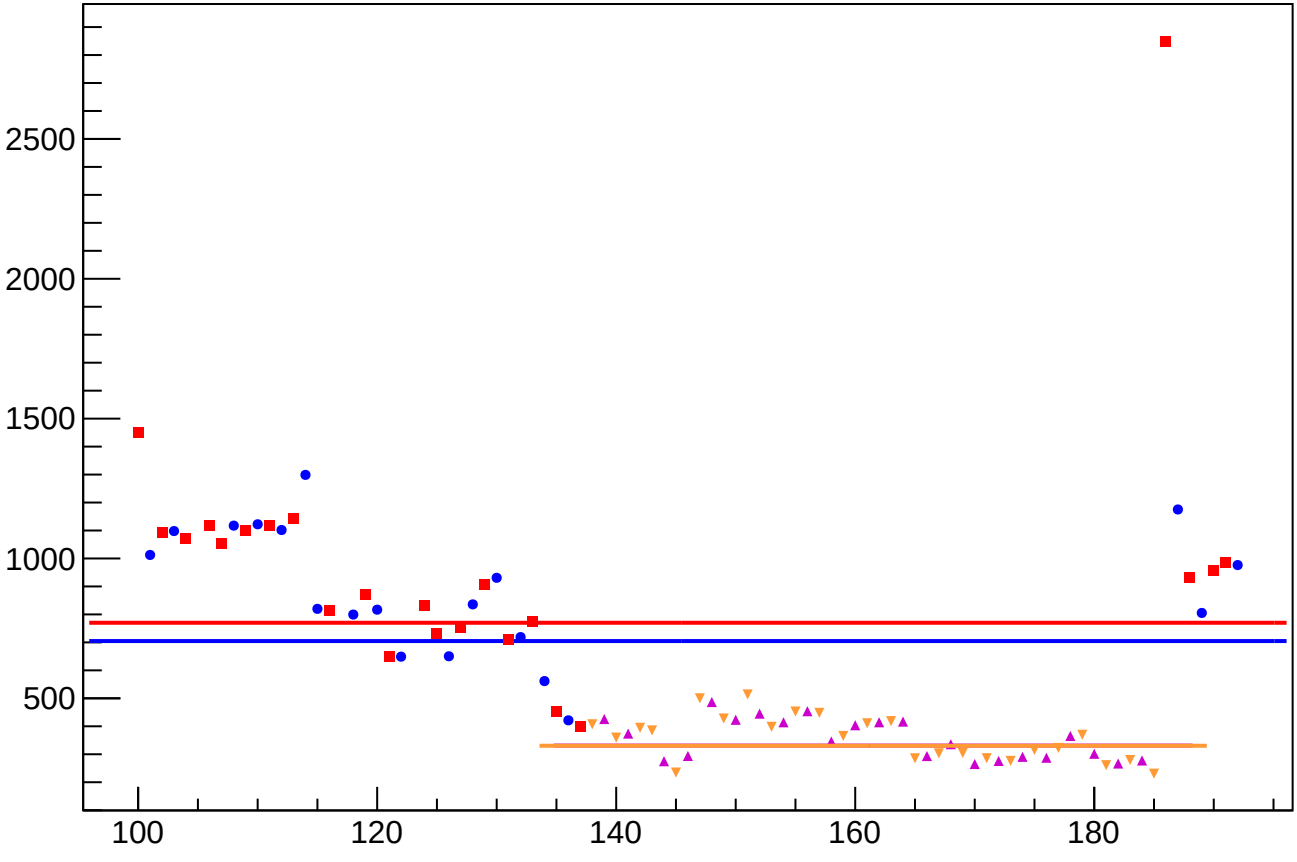
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 135.637+/-73.706 χ^2/NDF: 52.3/43

All: 73.875+/-52.857 χ^2/NDF: 109.4/89

- sign 8.482+/-75.842 χ^2/NDF: 55.6/45

asym_sam_15_26_dd_reg_correction_rms vs Slug



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

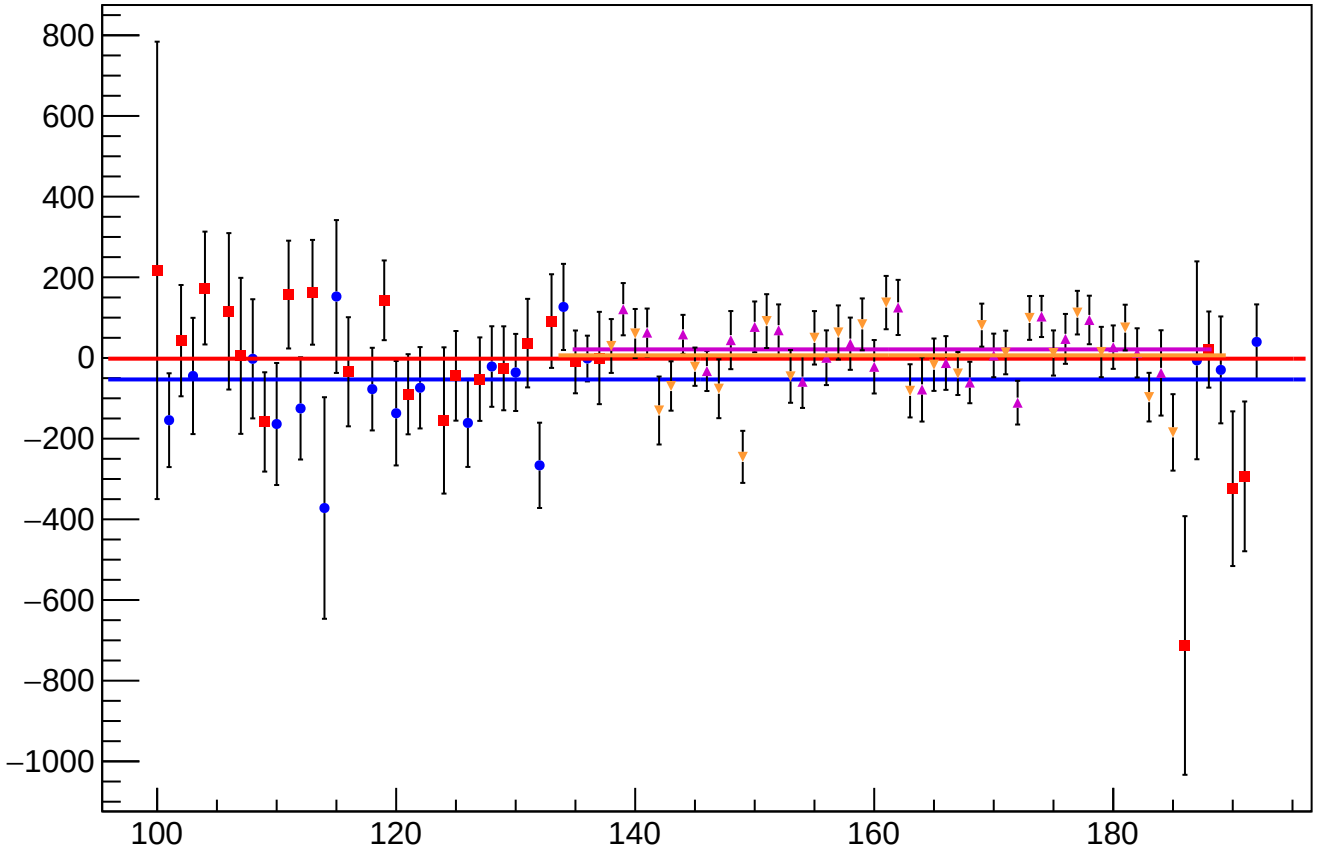
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 362.938+/-0.052 χ^2/NDF: 7715410.2/43

All: 364.788+/-0.037 χ^2/NDF: 16126567.2/89

- sign 366.746+/-0.054 χ^2/NDF: 8408564.8/45

cor_asym_sam_15_26_dd_mean vs Slug



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

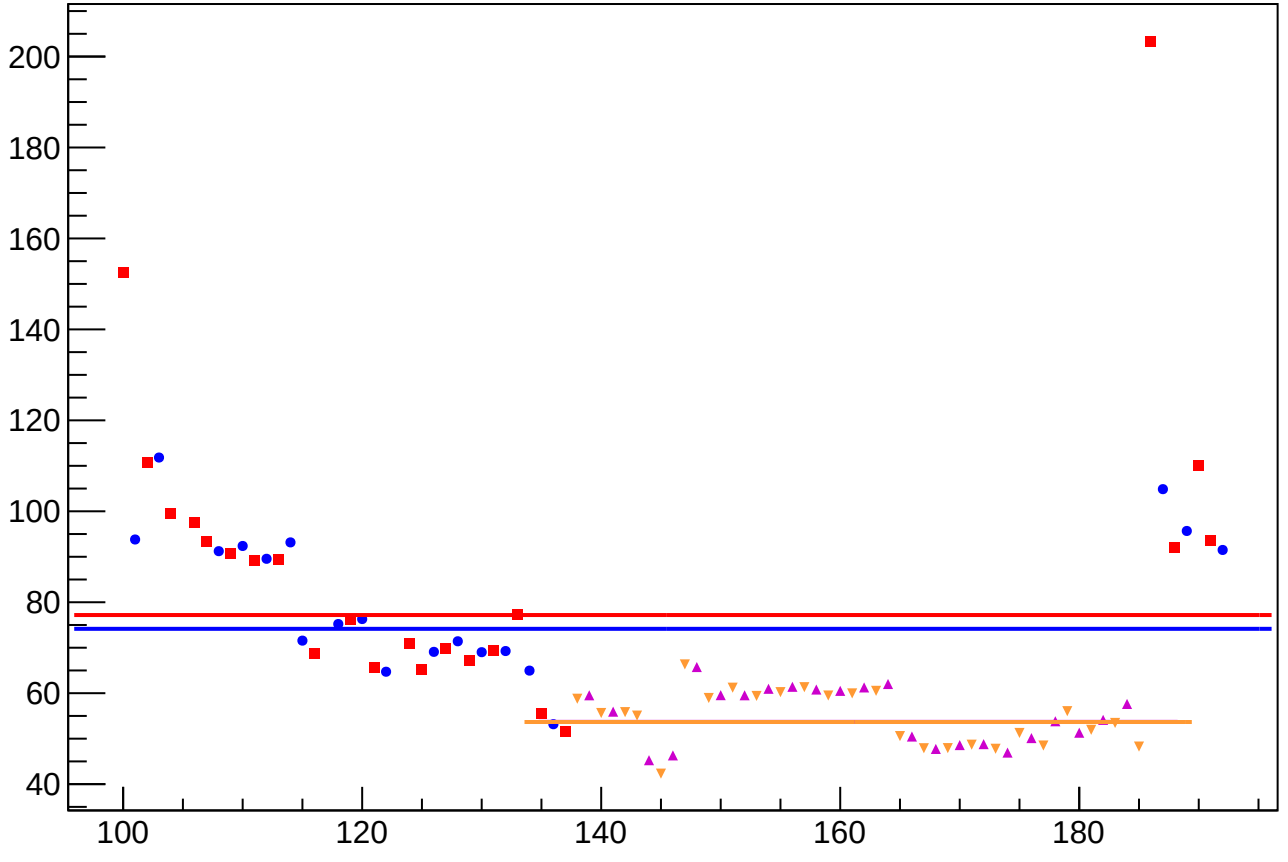
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -4.745+/-11.068 χ^2/NDF: 69.7/43

All: 5.793+/-7.934 χ^2/NDF: 119.6/89

- sign 16.930+/-11.379 χ^2/NDF: 48.0/45

cor_asym_sam_15_26_dd_rms vs Slug



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

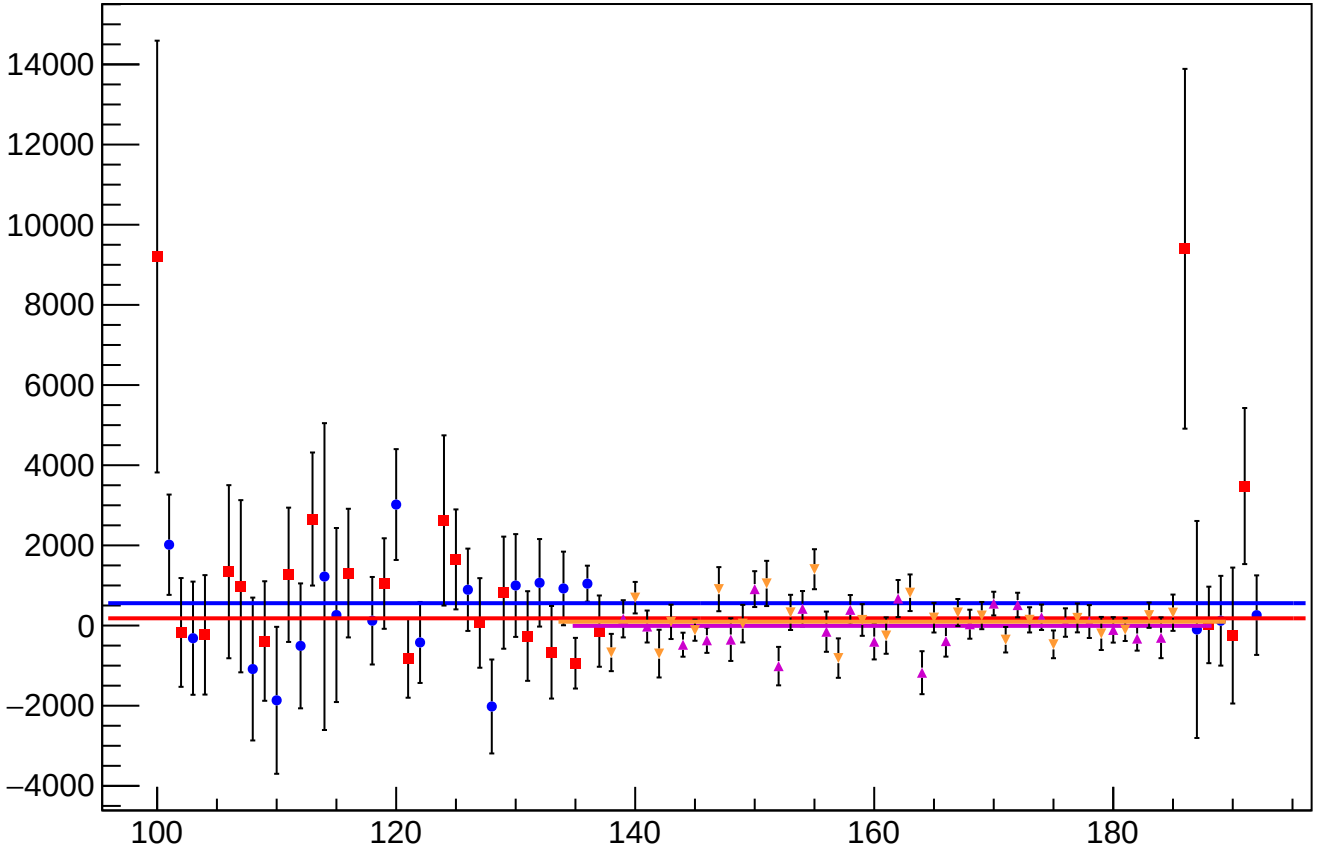
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.530+/-0.008 χ^2/NDF: 2286414.2/43

All: 57.845+/-0.006 χ^2/NDF: 5165734.9/89

- sign 58.177+/-0.008 χ^2/NDF: 2875994.6/45

asym_sam_15_26_dd_cor_correction_mean vs Slug



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

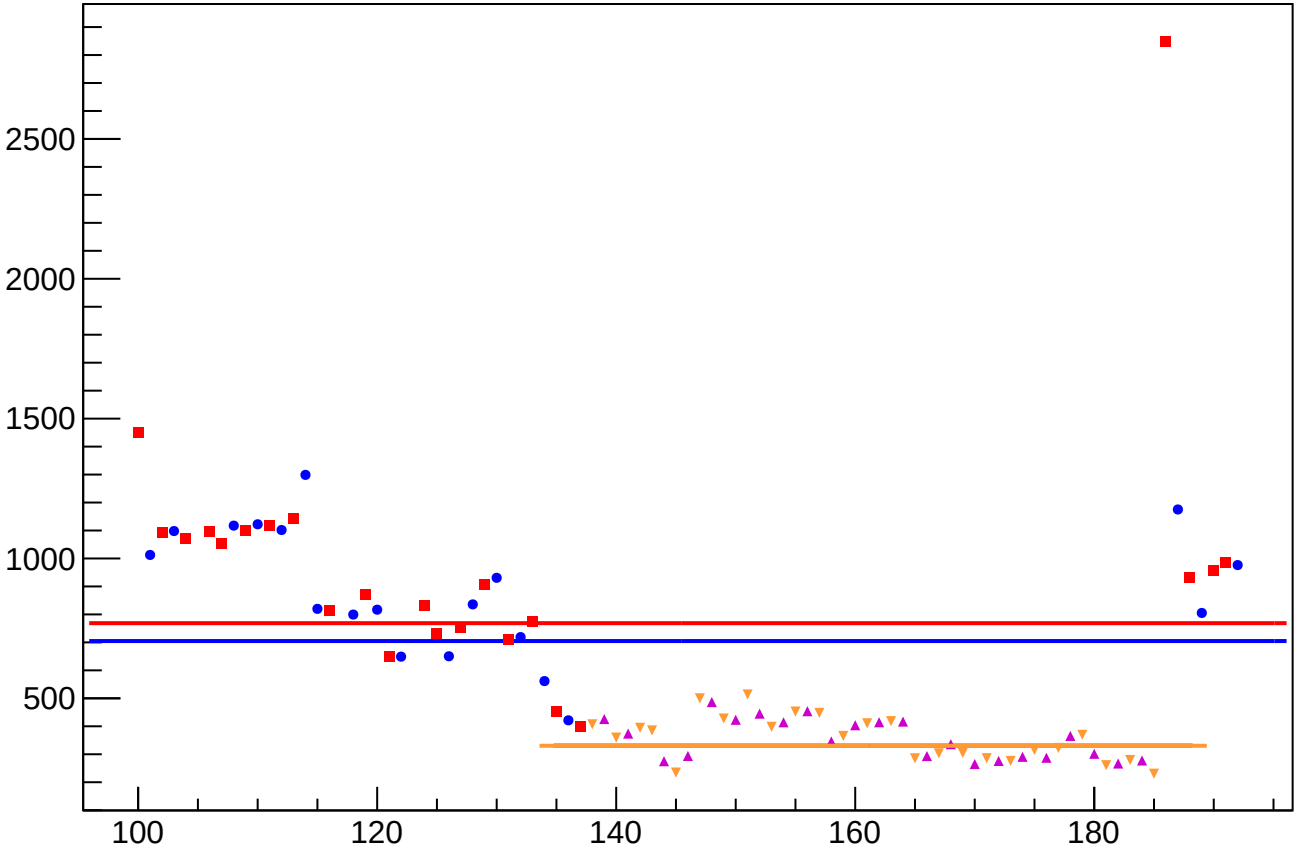
Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 135.638+/-73.706 χ^2/NDF: 52.3/43

All: 73.353+/-52.860 χ^2/NDF: 108.9/89

- sign 7.388+/-75.852 χ^2/NDF: 55.1/45

asym_sam_15_26_dd_cor_correction_rms vs Slug



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

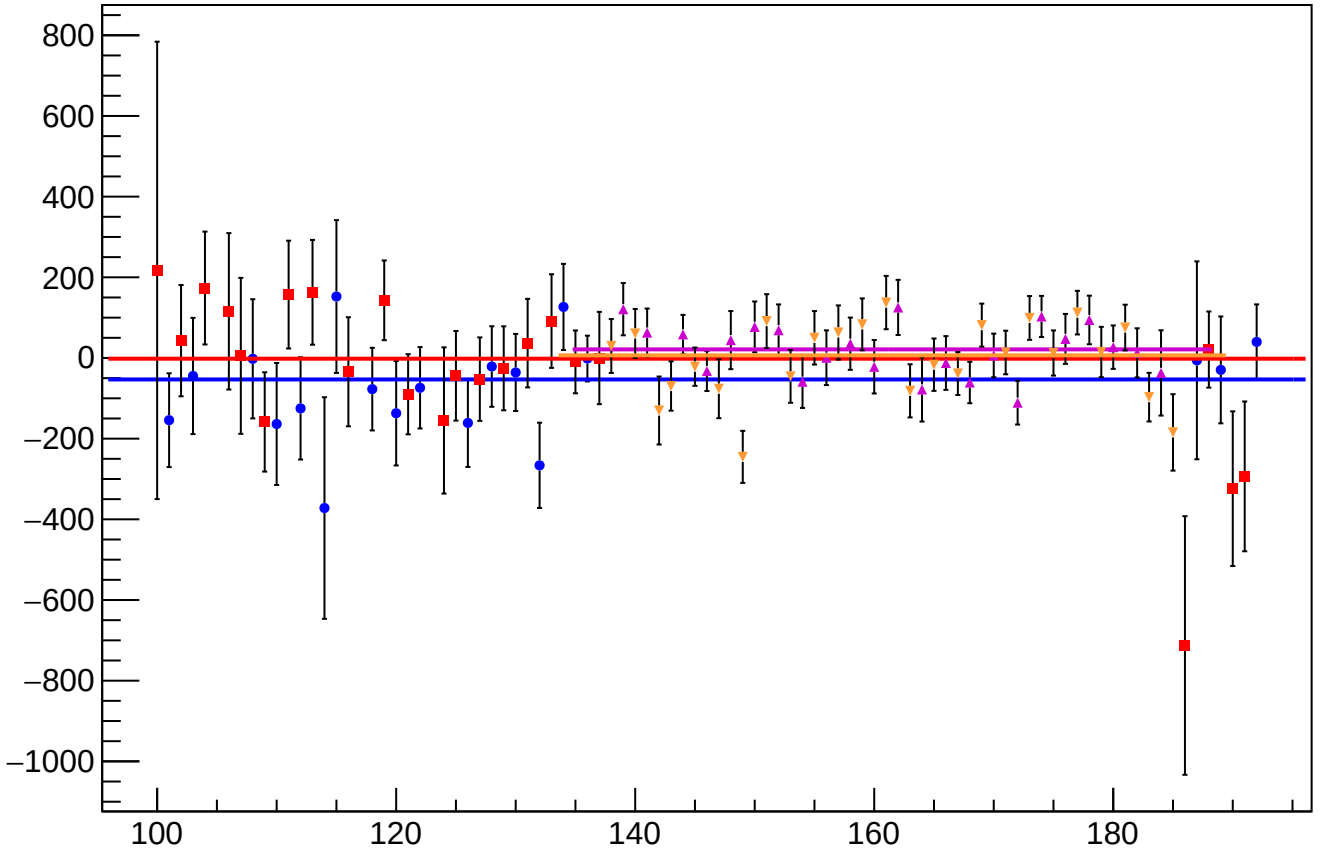
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 362.938+/-0.052 χ^2/NDF: 7715430.2/43

All: 364.680+/-0.037 χ^2/NDF: 16062102.1/89

- sign 366.525+/-0.054 χ^2/NDF: 8344371.8/45

eigen_cor_asym_sam_15_26_dd_mean vs Slug



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

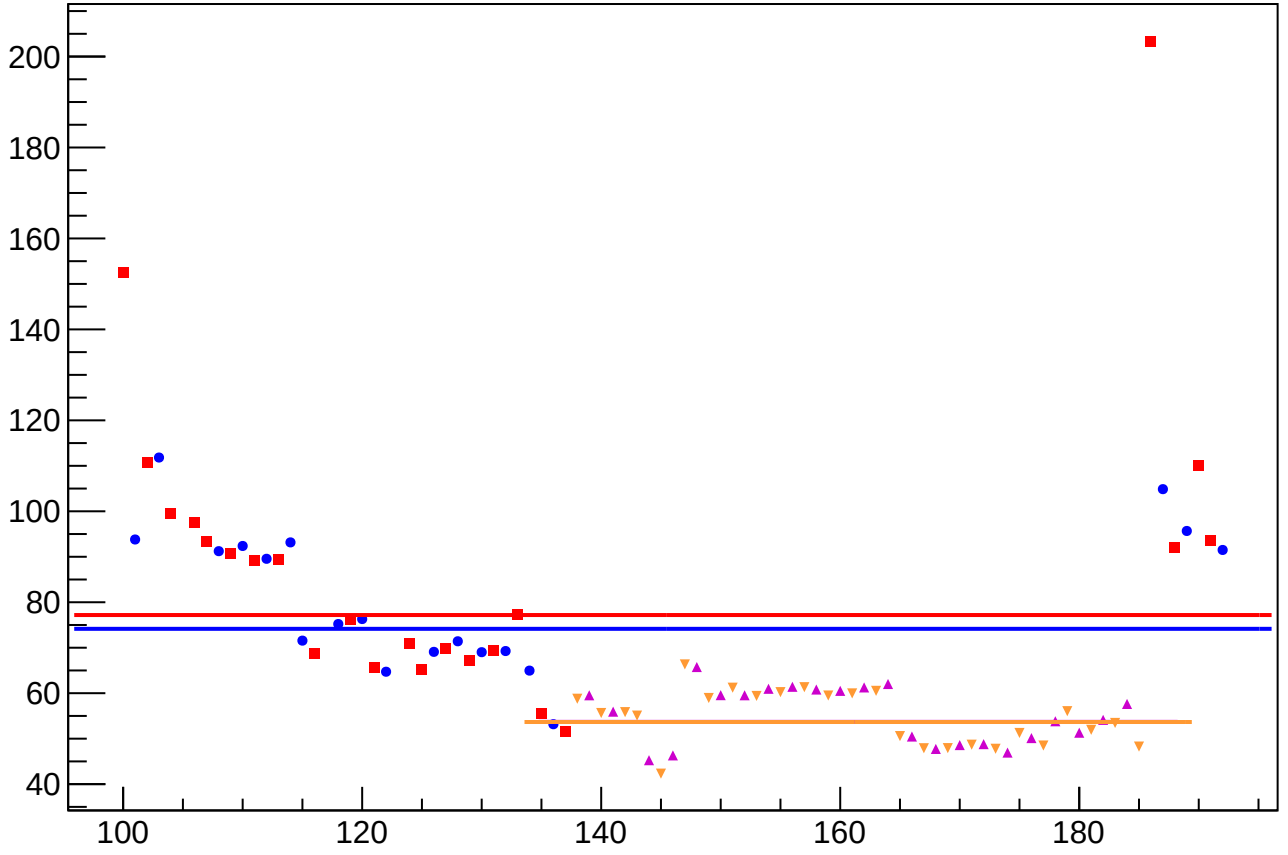
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -4.745+/-11.068 χ^2/NDF: 69.7/43

All: 5.793+/-7.934 χ^2/NDF: 119.6/89

- sign 16.930+/-11.379 χ^2/NDF: 48.0/45

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 74.155+/-0.018 χ^2/NDF: 765368.0/18

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

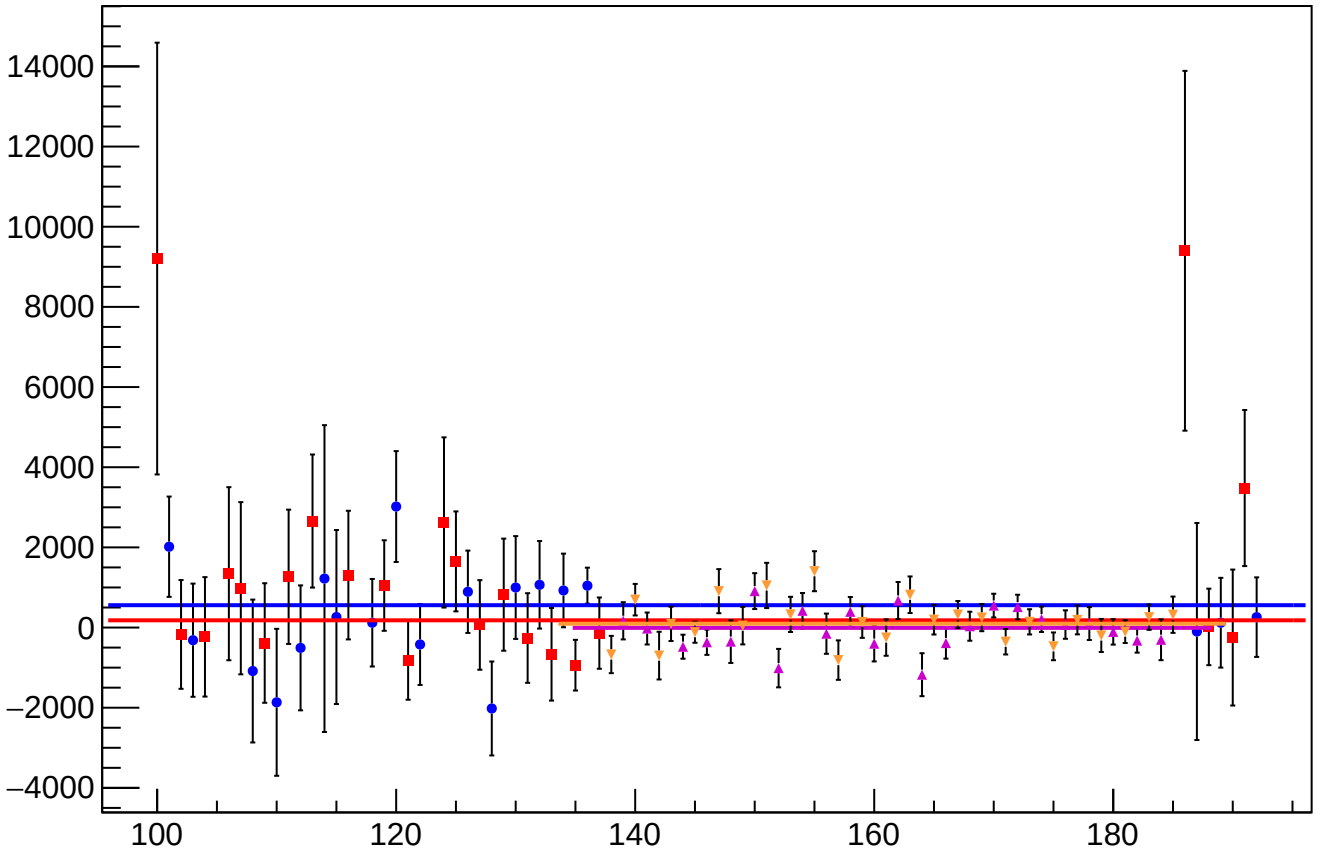
Right Out: 77.187+/-0.018 χ^2/NDF: 1088356.8/22

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.530+/-0.008 χ^2/NDF: 2286414.2/43

All: 57.845+/-0.006 χ^2/NDF: 5165734.9/89

- sign 58.177+/-0.008 χ^2/NDF: 2875994.6/45



Right In: 557.780+/-250.019 χ^2/NDF: 16.0/18

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

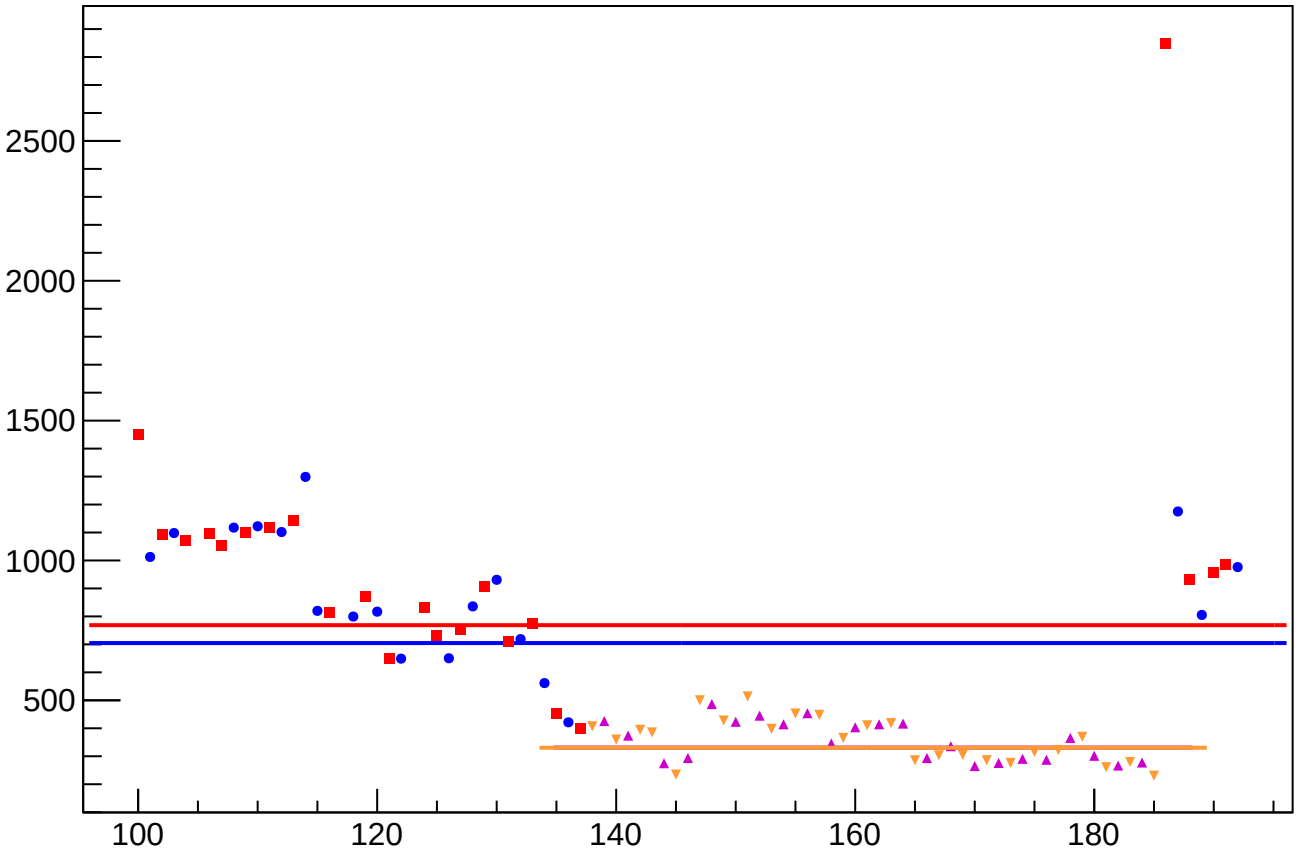
Right Out: 180.480+/-266.456 χ^2/NDF: 22.4/22

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 135.638+/-73.706 χ^2/NDF: 52.3/43

All: 73.353+/-52.860 χ^2/NDF: 108.9/89

- sign 7.388+/-75.852 χ^2/NDF: 55.1/45



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

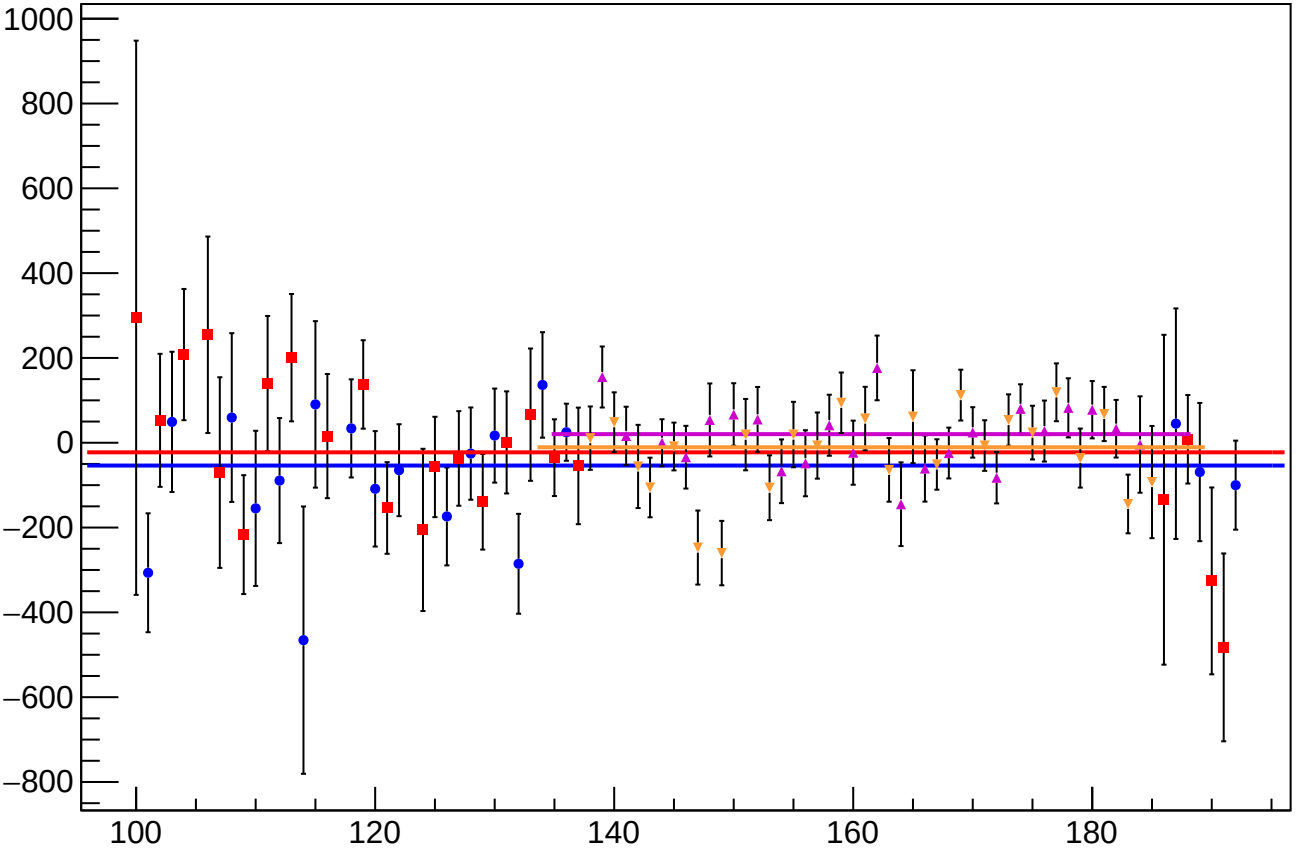
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 362.938+/-0.052 χ^2/NDF: 7715430.2/43

All: 364.680+/-0.037 χ^2/NDF: 16062102.1/89

- sign 366.525+/-0.054 χ^2/NDF: 8344371.8/45

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -53.779+/-29.131 χ^2/NDF: 16.8/18

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

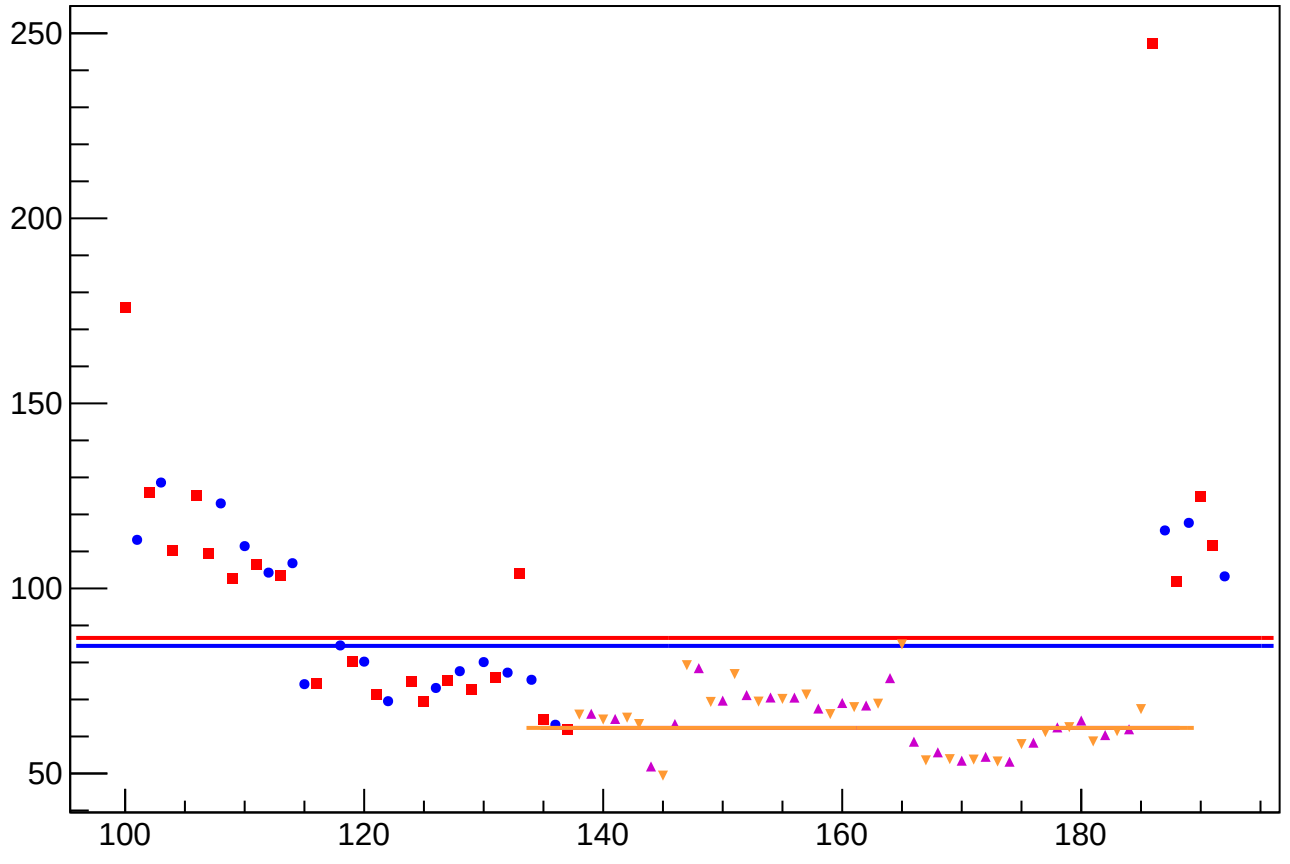
Right Out: -22.586+/-29.305 χ^2/NDF: 22.1/22

Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -19.006+/-12.845 χ^2/NDF: 60.7/43

All: -4.074+/-9.197 χ^2/NDF: 109.0/89

- sign 11.636+/-13.175 χ^2/NDF: 45.5/45



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

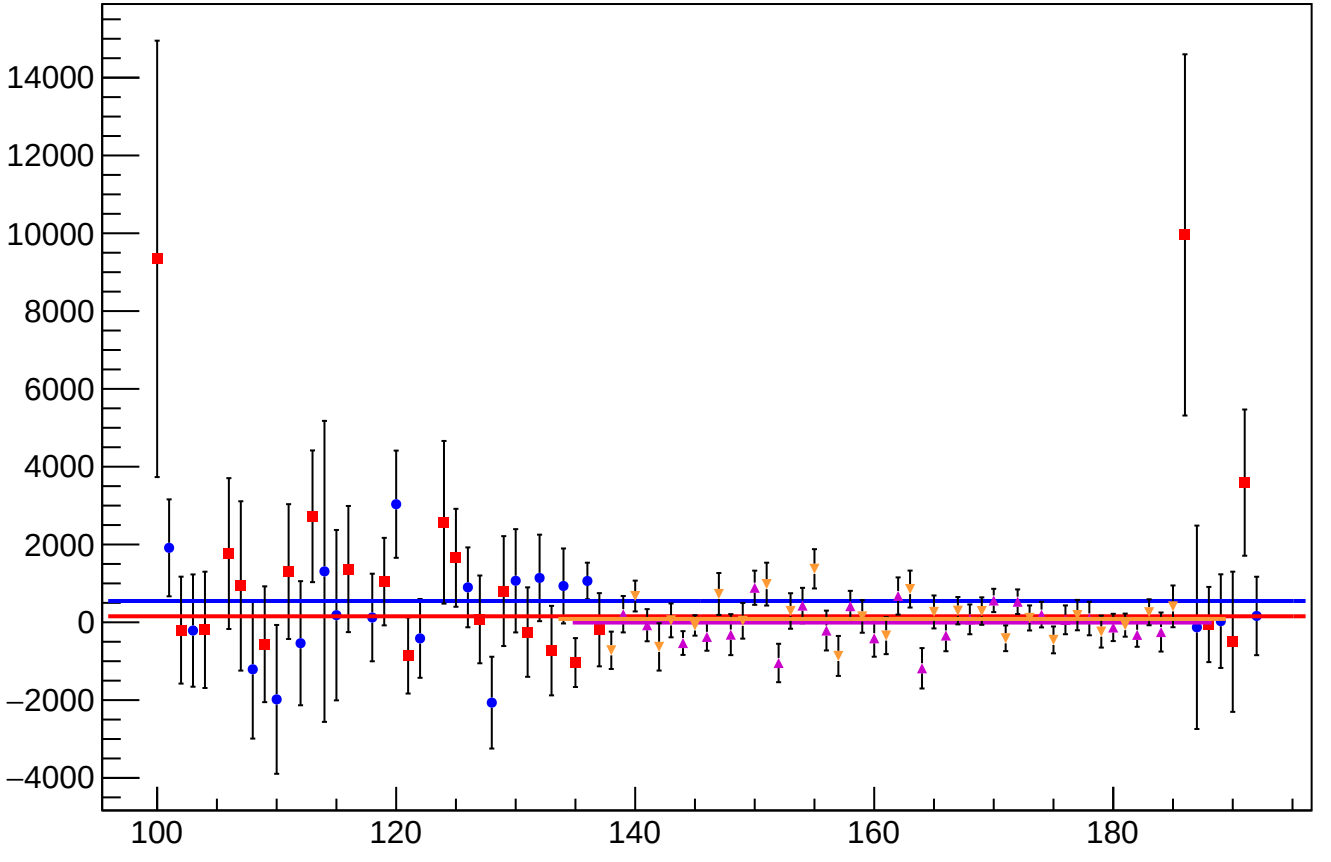
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 66.625+/-0.009 χ^2/NDF: 2427109.1/43

All: 66.917+/-0.007 χ^2/NDF: 5238898.5/89

- sign 67.226+/-0.009 χ^2/NDF: 2809655.4/45

asym_sam_15_26_dd_dit_correction_mean vs Slug



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

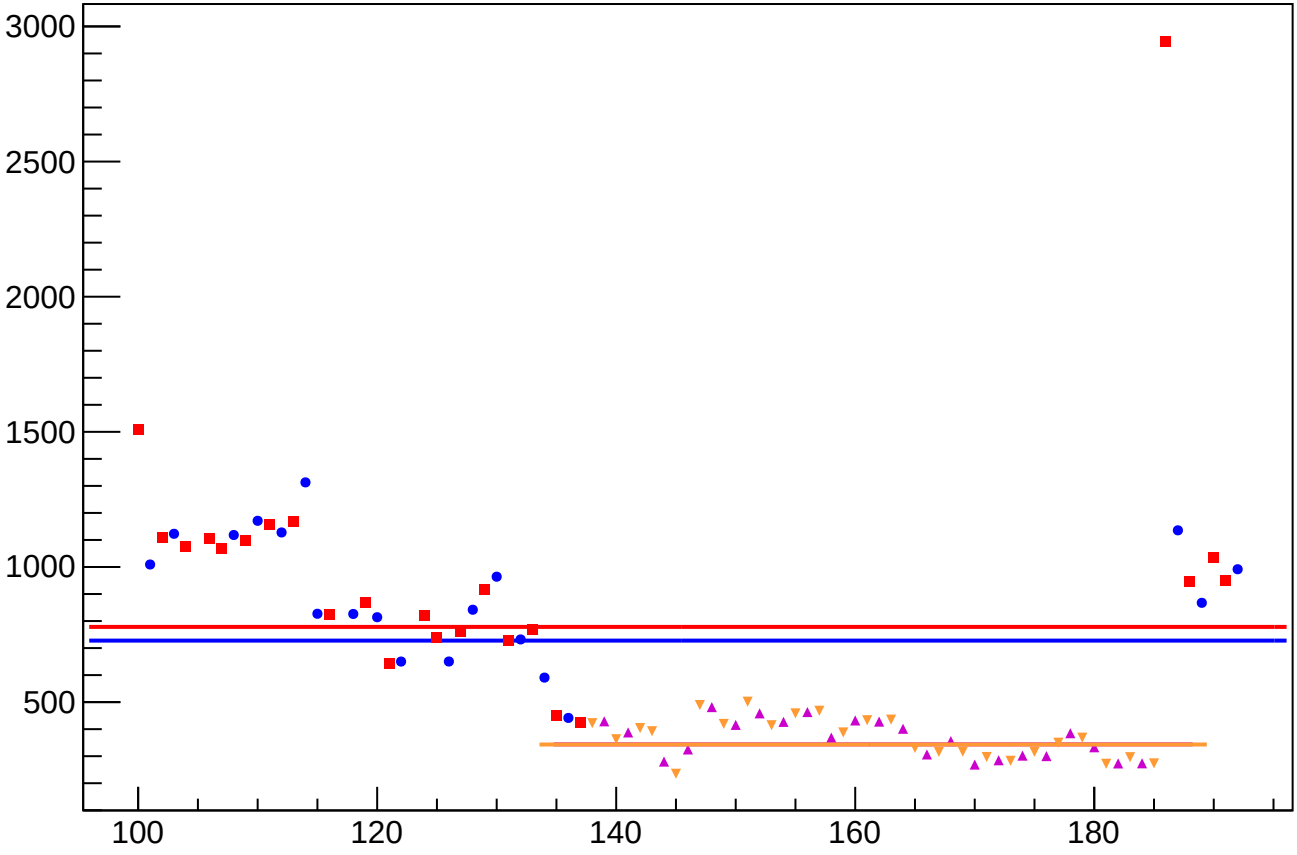
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.540+/-76.242 χ^2/NDF: 50.8/43

All: 69.176+/-54.700 χ^2/NDF: 109.0/89

- sign 7.269+/-78.523 χ^2/NDF: 57.0/45

asym_sam_15_26_dd_dit_correction_rms vs Slug



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

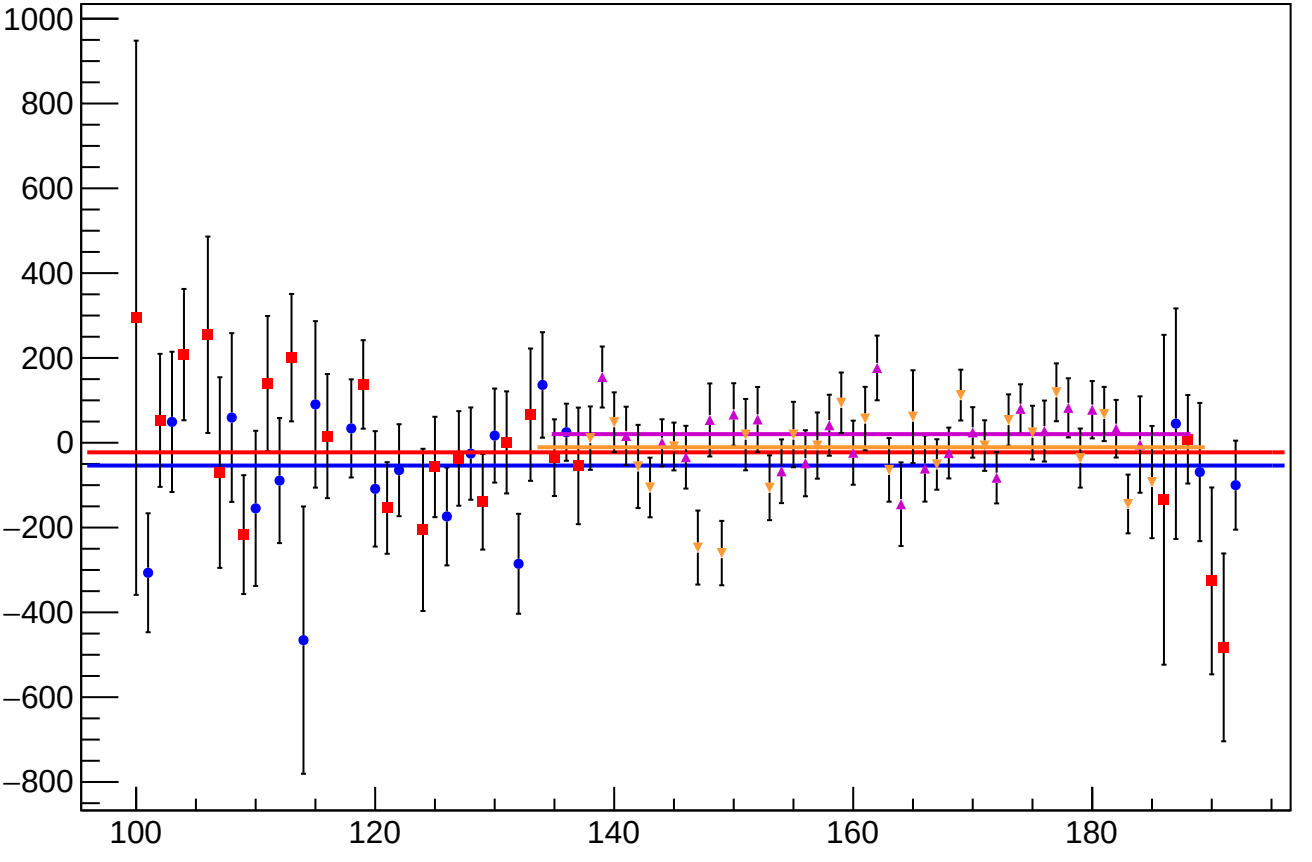
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 377.059+/-0.054 χ^2/NDF: 7430687.7/43

All: 378.906+/-0.039 χ^2/NDF: 15558285.2/89

- sign 380.866+/-0.056 χ^2/NDF: 8125178.4/45

eigen_dit_asym_sam_15_26_dd_mean vs Slug



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

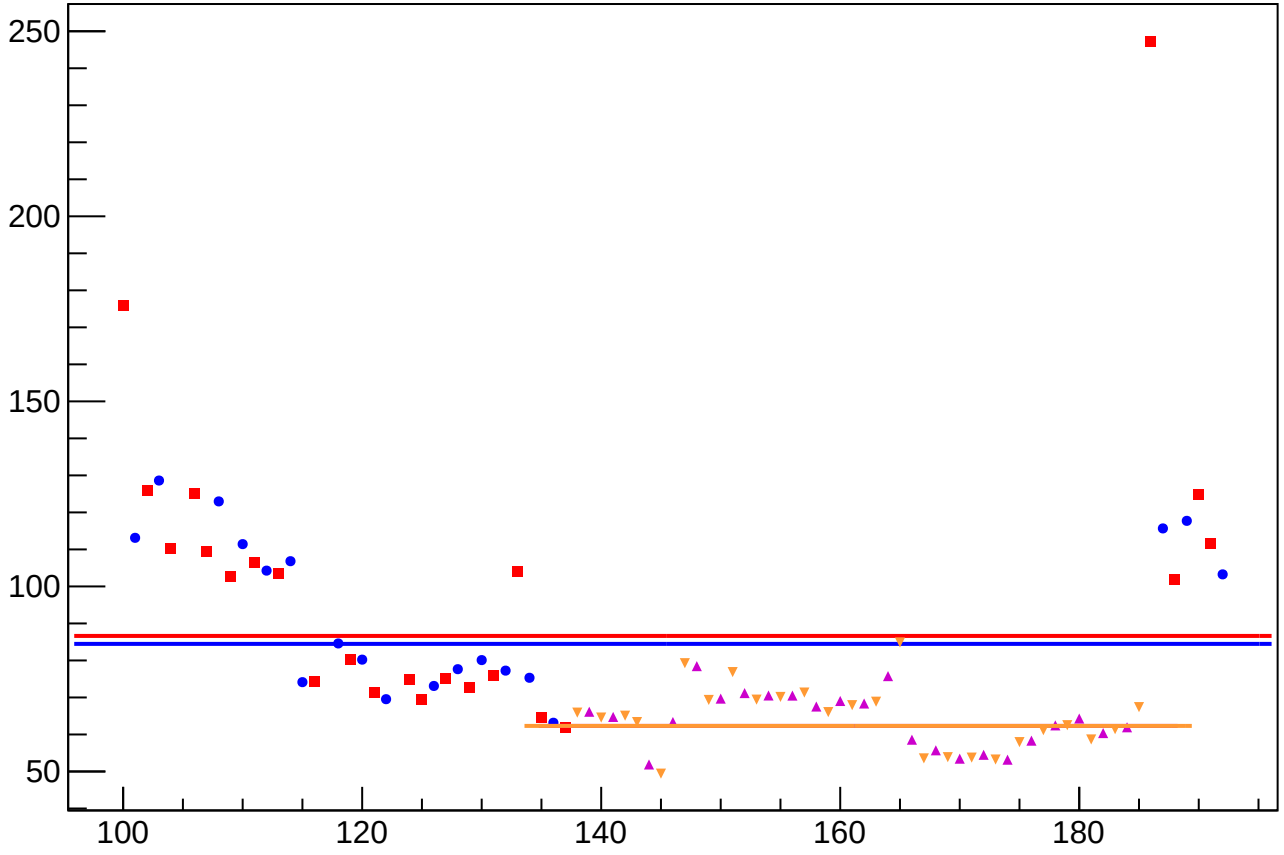
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -19.005+/-12.844 χ^2/NDF: 60.7/43

All: -4.074+/-9.197 χ^2/NDF: 109.0/89

- sign 11.636+/-13.175 χ^2/NDF: 45.5/45

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 84.477+/-0.021 χ^2/NDF: 858455.6/18

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

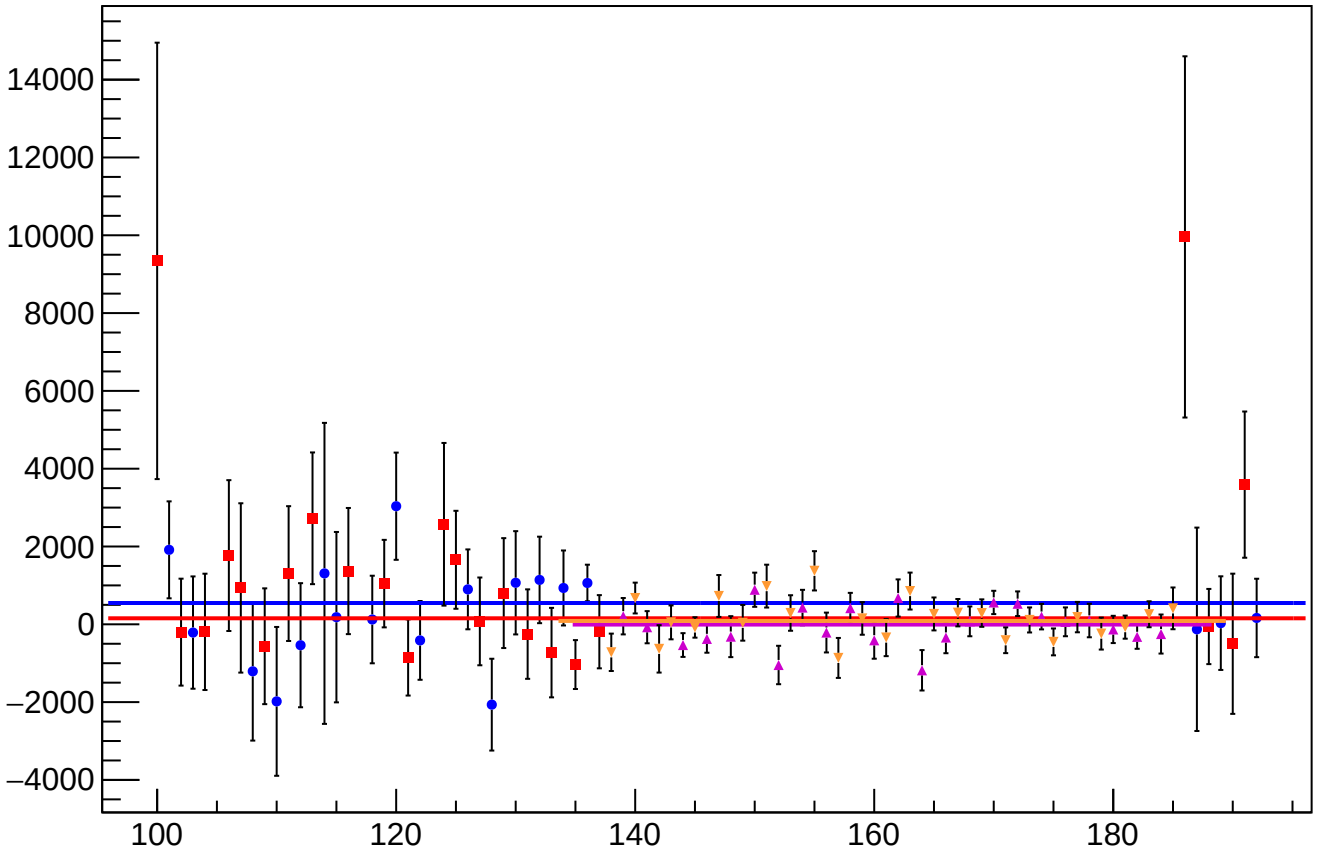
Right Out: 86.627+/-0.021 χ^2/NDF: 1226335.6/22

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 66.625+/-0.009 χ^2/NDF: 2427077.0/43

All: 66.918+/-0.007 χ^2/NDF: 5238807.2/89

- sign 67.226+/-0.009 χ^2/NDF: 2809595.1/45



Right In: 547.727+/-256.980 χ^2/NDF: 16.2/18

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

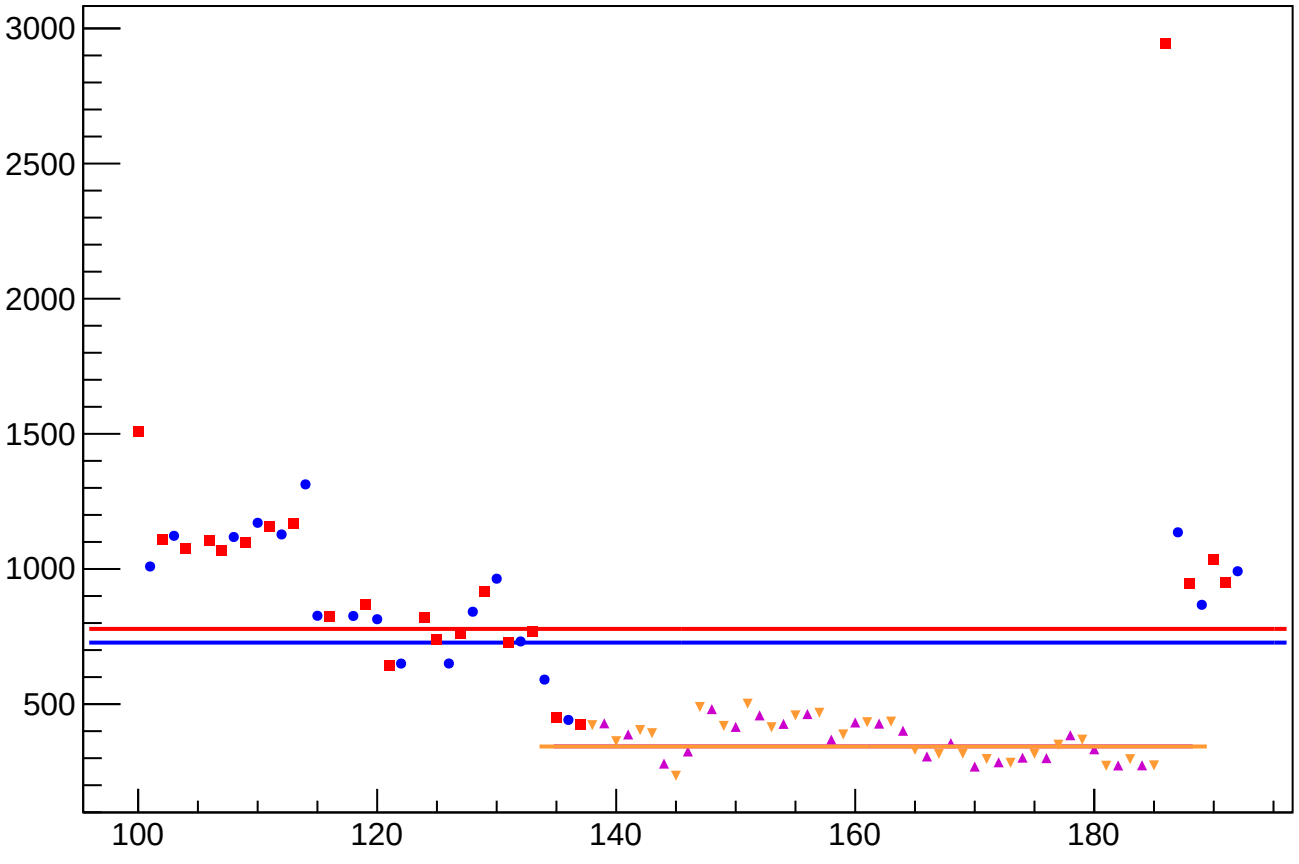
Right Out: 154.548+/-268.579 χ^2/NDF: 24.2/22

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.540+/-76.242 χ^2/NDF: 50.8/43

All: 69.177+/-54.700 χ^2/NDF: 109.0/89

- sign 7.268+/-78.523 χ^2/NDF: 57.0/45



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

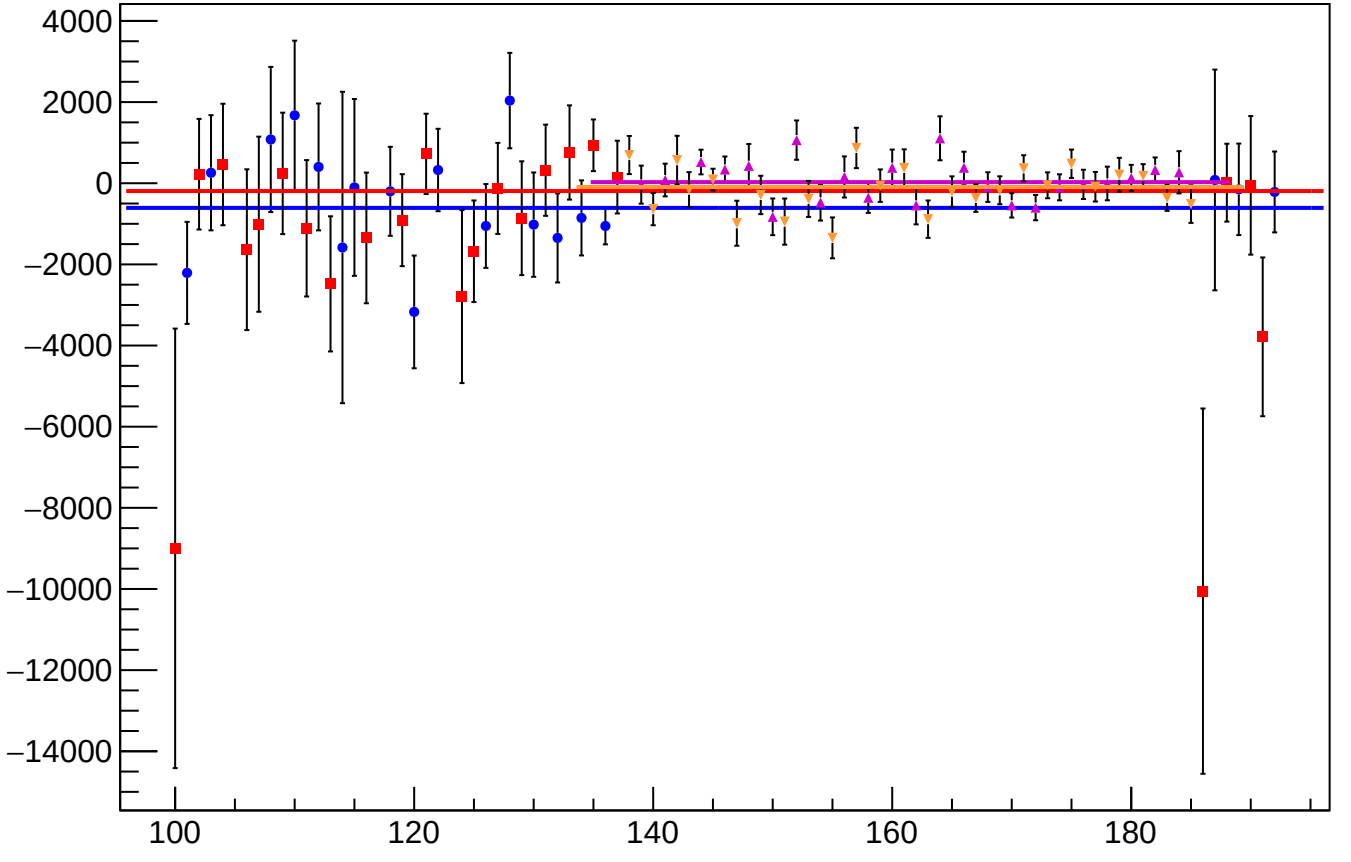
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 377.059+/-0.054 χ^2/NDF: 7430688.5/43

All: 378.906+/-0.039 χ^2/NDF: 15558278.8/89

- sign 380.866+/-0.056 χ^2/NDF: 8125171.0/45

asym_sam_15_26_dd_mean vs Slug



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

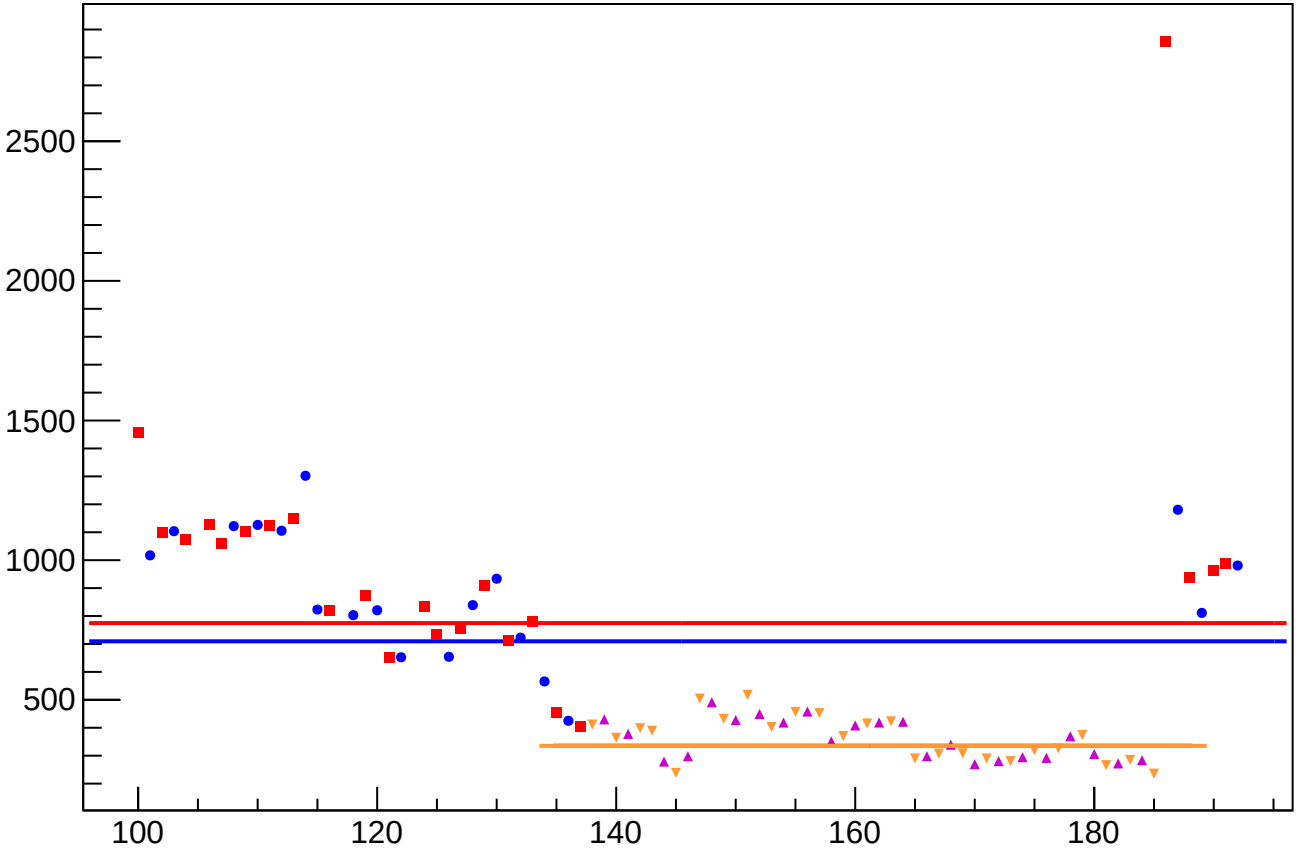
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -138.020+/-74.661 χ^2/NDF: 54.6/43

All: -66.577+/-53.543 χ^2/NDF: 111.1/89

- sign 9.073+/-76.828 χ^2/NDF: 54.7/45

asym_sam_15_26_dd_rms vs Slug



Right In: 709.498+/-0.178 χ^2/NDF: 1850337.7/18

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

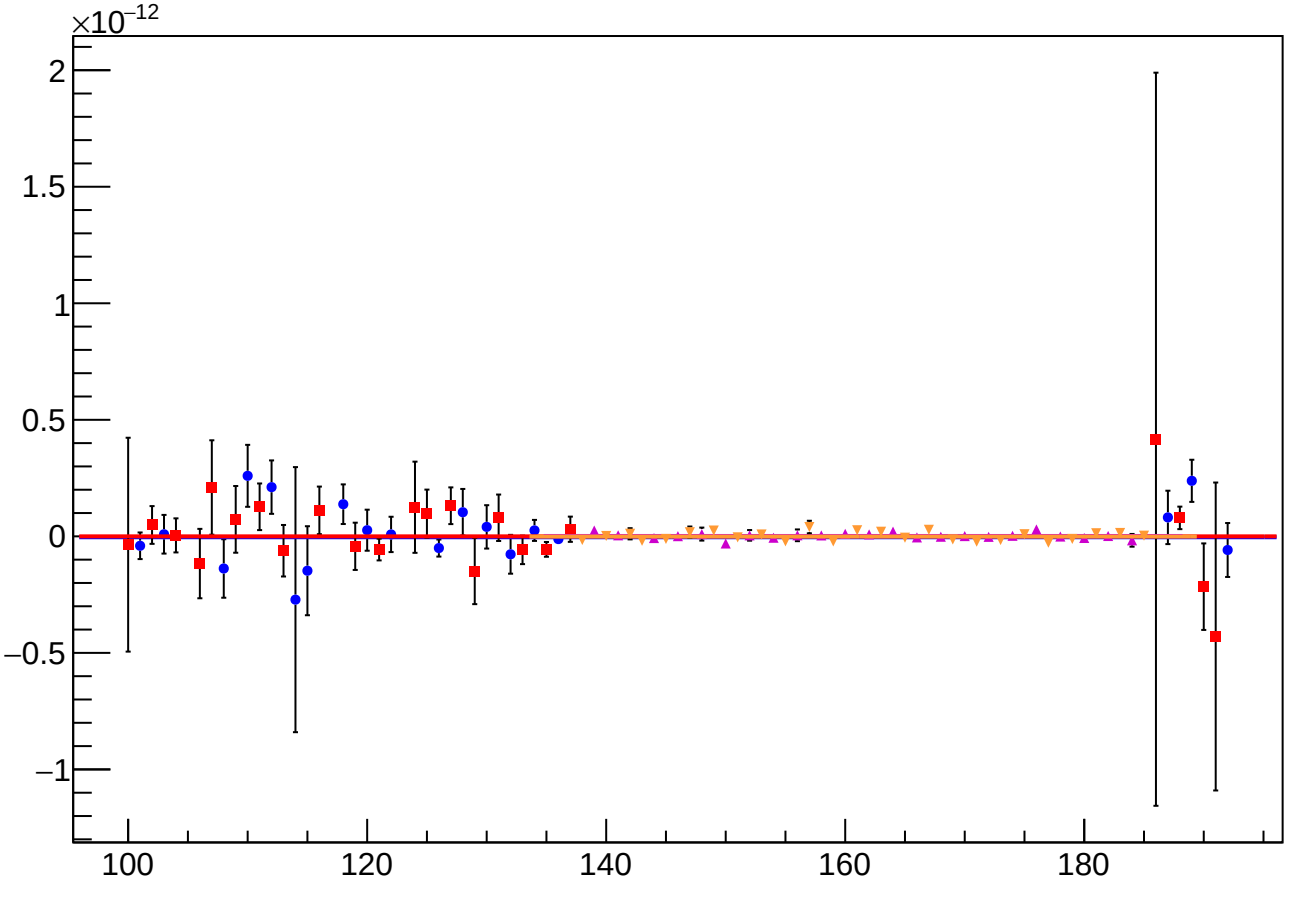
Right Out: 774.746+/-0.189 χ^2/NDF: 2064007.7/22

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 368.127+/-0.053 χ^2/NDF: 7595485.2/43

All: 370.006+/-0.038 χ^2/NDF: 15894690.7/89

- sign 371.995+/-0.054 χ^2/NDF: 8296598.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

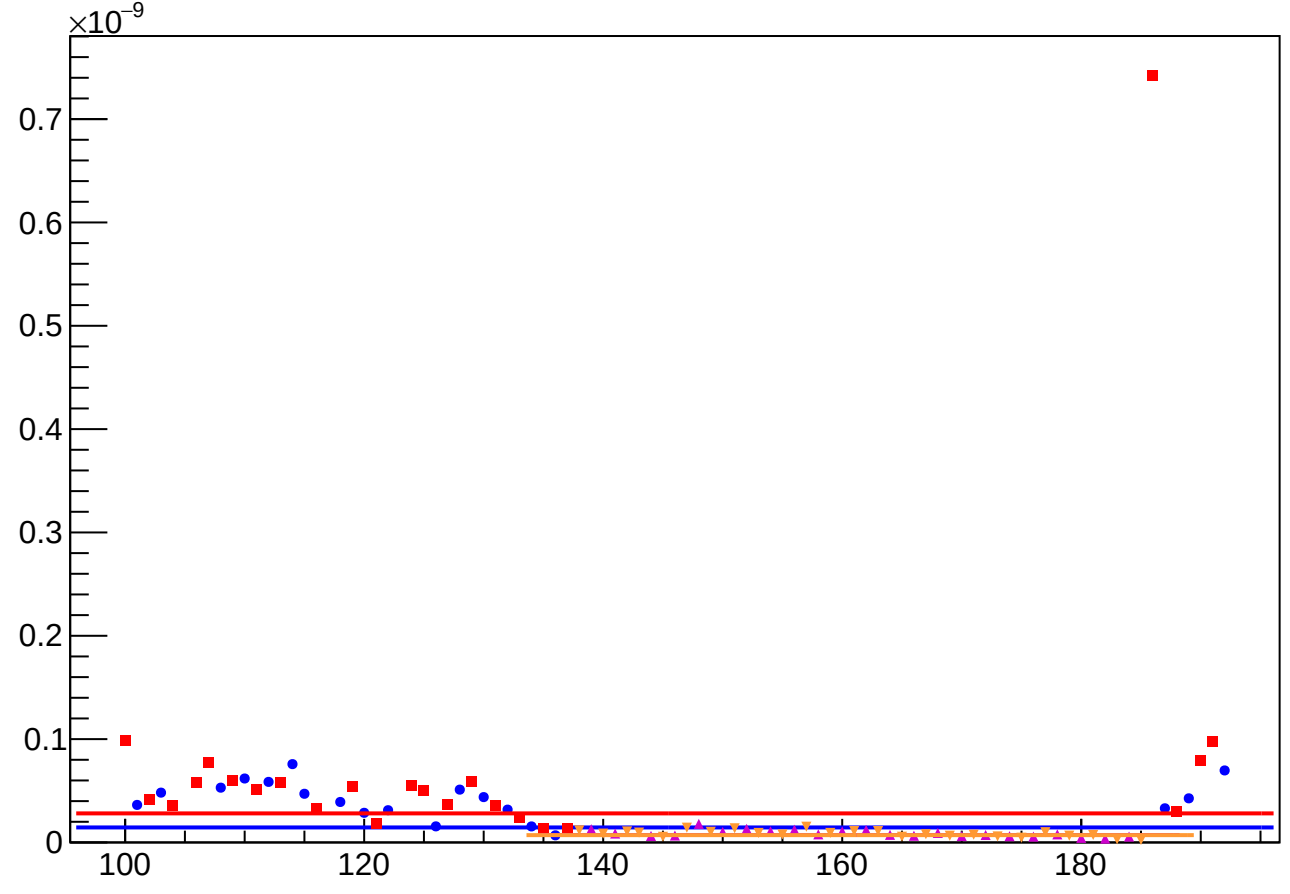
Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/22

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.6/43

All: 0.000+/-0.000 χ^2/NDF: 95.6/89

- sign 0.000+/-0.000 χ^2/NDF: 36.5/45



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

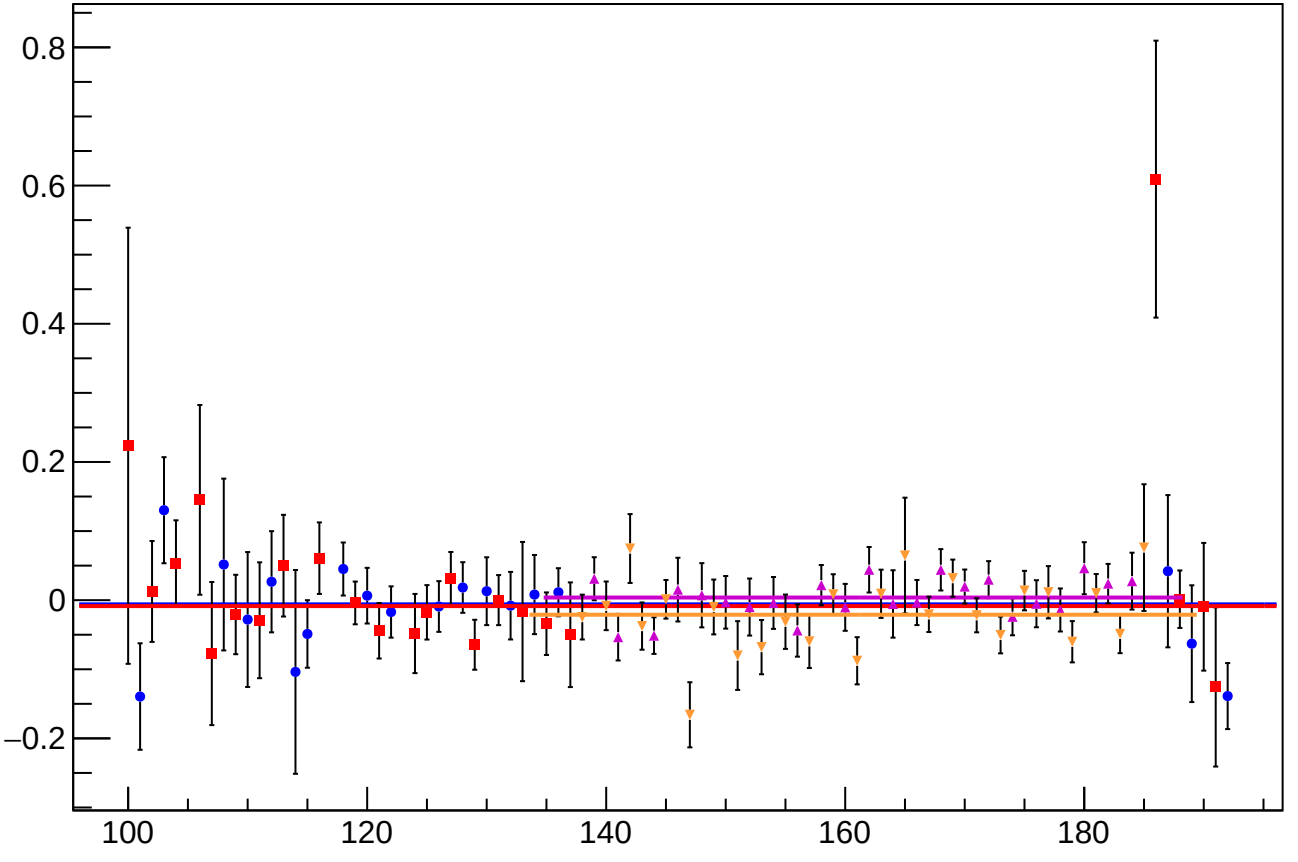
Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6733847.3/43

All: 0.000+/-0.000 χ^2/NDF: 13892754.3/89

- sign 0.000+/-0.000 χ^2/NDF: 7148793.2/45

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.012 χ^2/NDF: 19.1/18

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

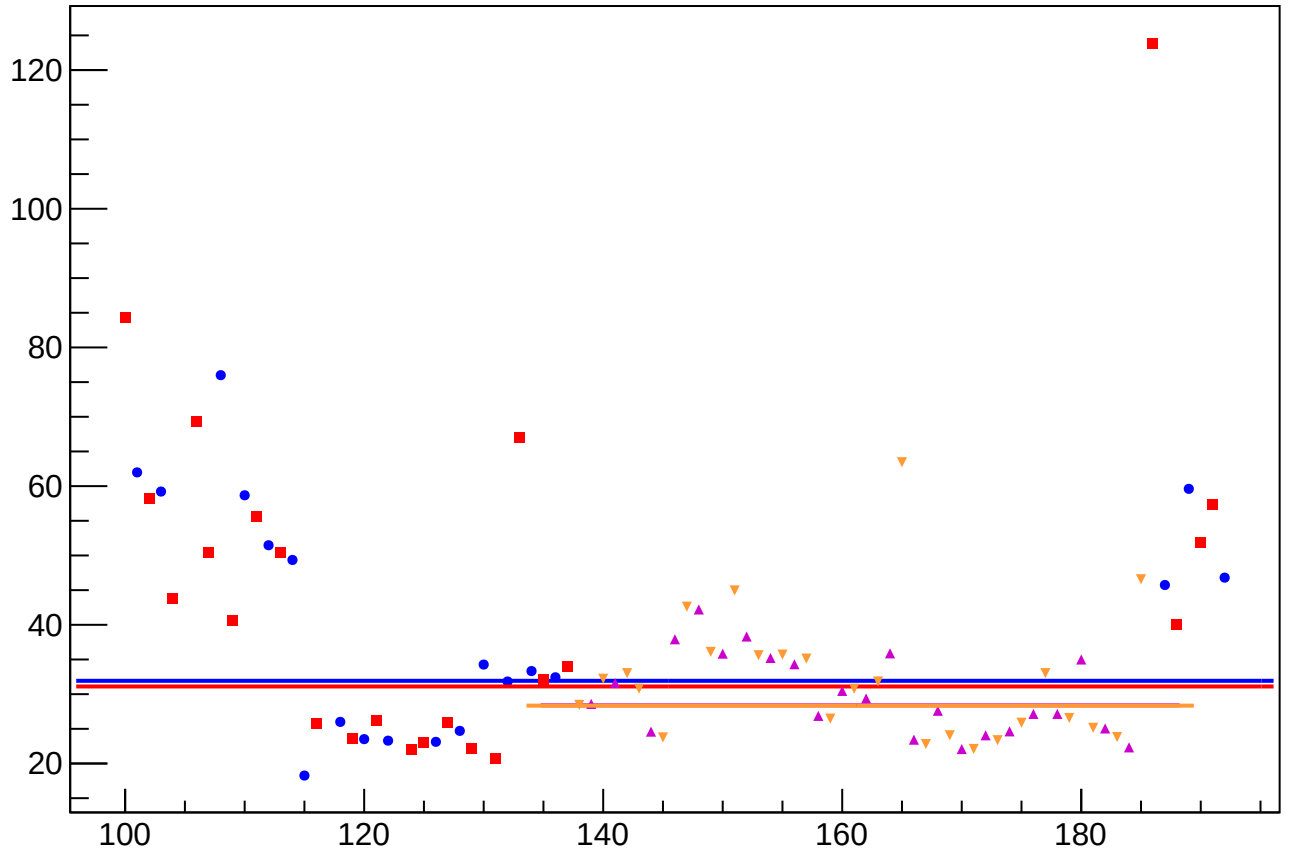
Right Out: -0.009+/-0.011 χ^2/NDF: 21.9/22

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.5/43

All: -0.009+/-0.004 χ^2/NDF: 103.6/89

- sign 0.000+/-0.006 χ^2/NDF: 41.4/45



Right In: 31.926+/-0.008 χ^2/NDF: 2167447.6/18

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

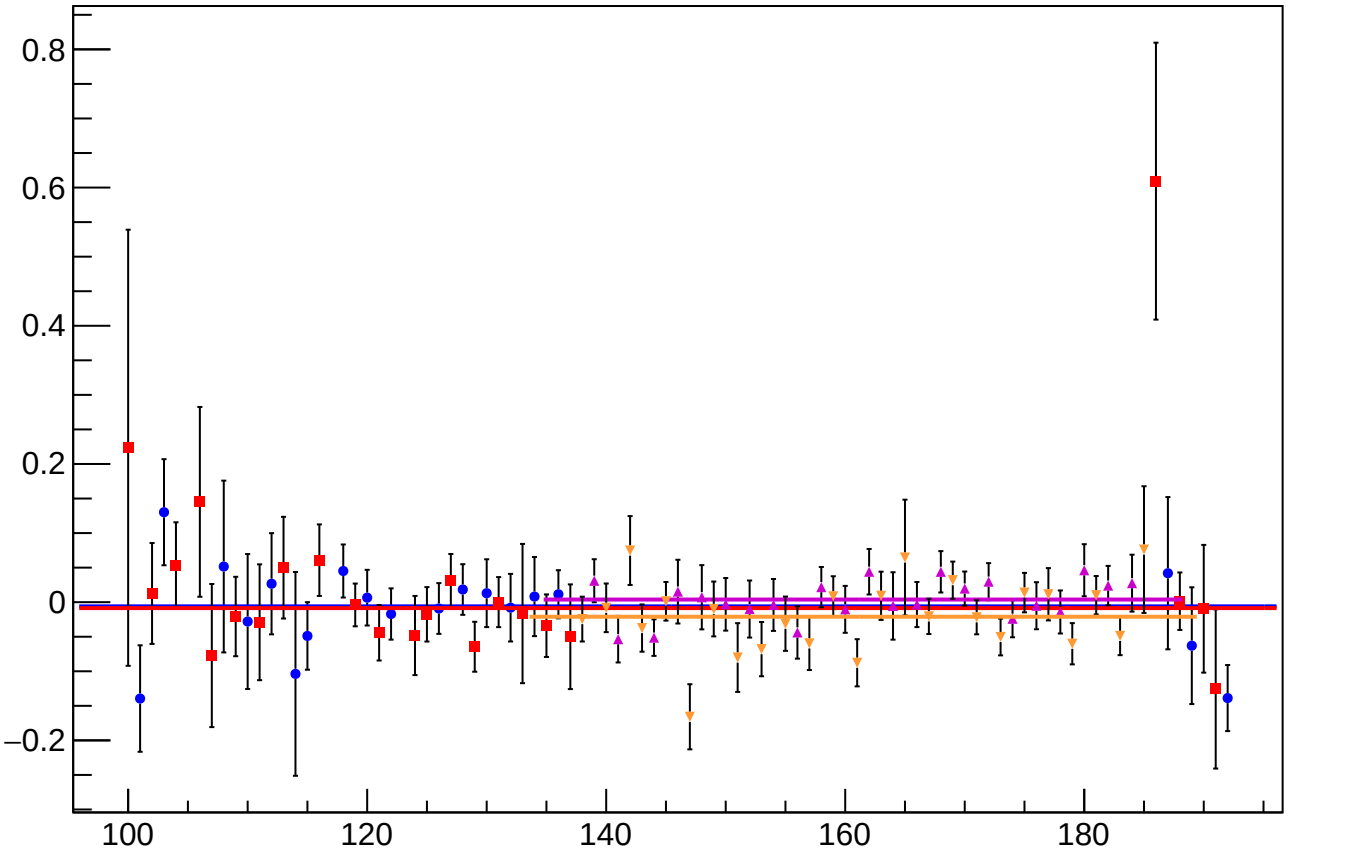
Right Out: 31.109+/-0.008 χ^2/NDF: 2612952.3/22

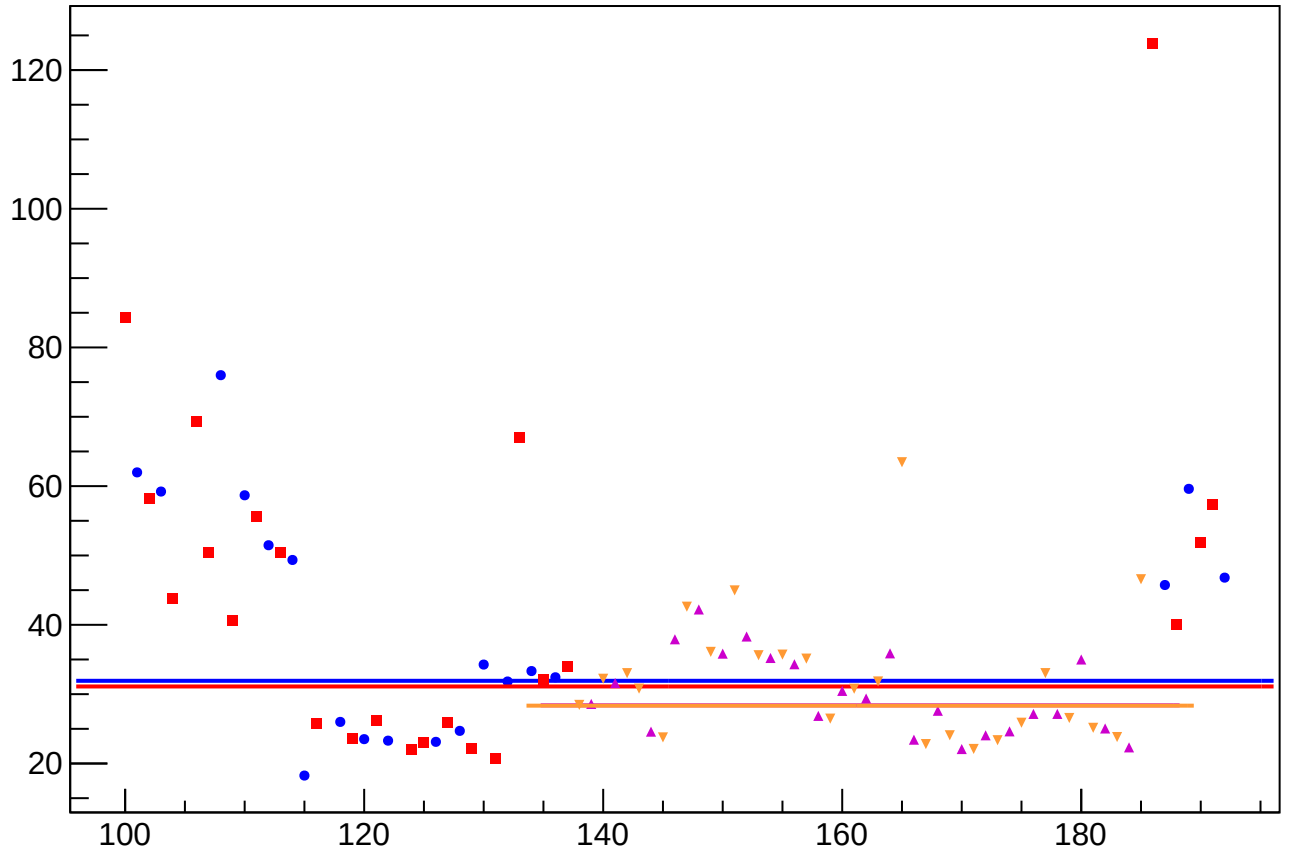
Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 29.219+/-0.004 χ^2/NDF: 4042467.2/43

All: 29.175+/-0.003 χ^2/NDF: 7840163.8/89

- sign 29.130+/-0.004 χ^2/NDF: 3797462.2/45


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
Right In: -0.006+/-0.012 χ²/NDF: 19.1/18
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: -0.009+/-0.011 χ²/NDF: 21.9/22
Left In: 0.004+/-0.007 χ²/NDF:18.7/22
+ sign -0.017+/-0.006 χ²/NDF: 57.5/43
All: -0.009+/-0.004 χ²/NDF: 103.6/89
- sign 0.000+/-0.006 χ²/NDF: 41.4/45



Right In: 31.926+/-0.008 χ^2/NDF: 2167447.6/18

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

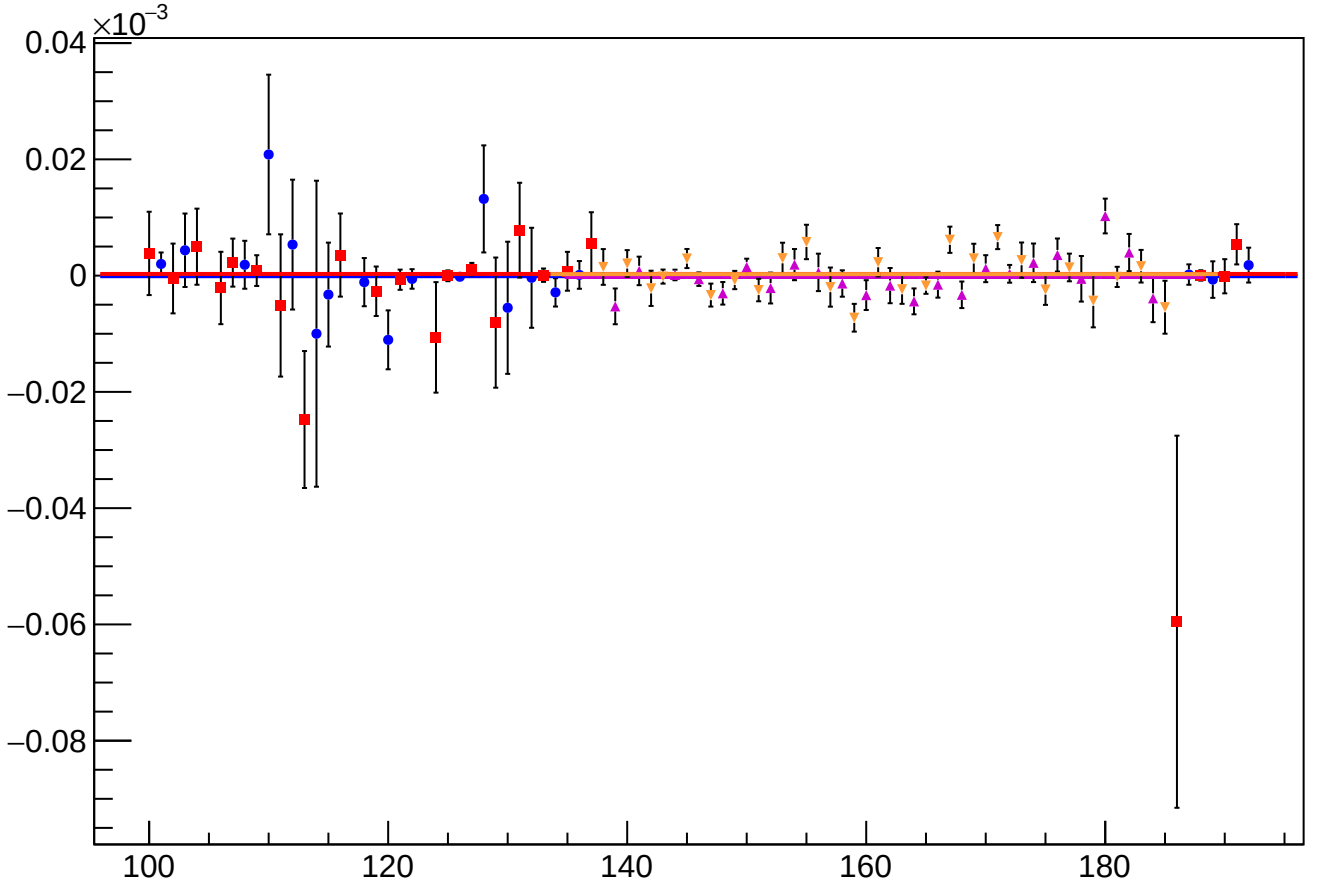
Right Out: 31.109+/-0.008 χ^2/NDF: 2612952.3/22

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

\+ sign 29.219+/-0.004 χ^2/NDF: 4042467.2/43

All: 29.175+/-0.003 χ^2/NDF: 7840163.8/89

\- sign 29.130+/-0.004 χ^2/NDF: 3797462.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

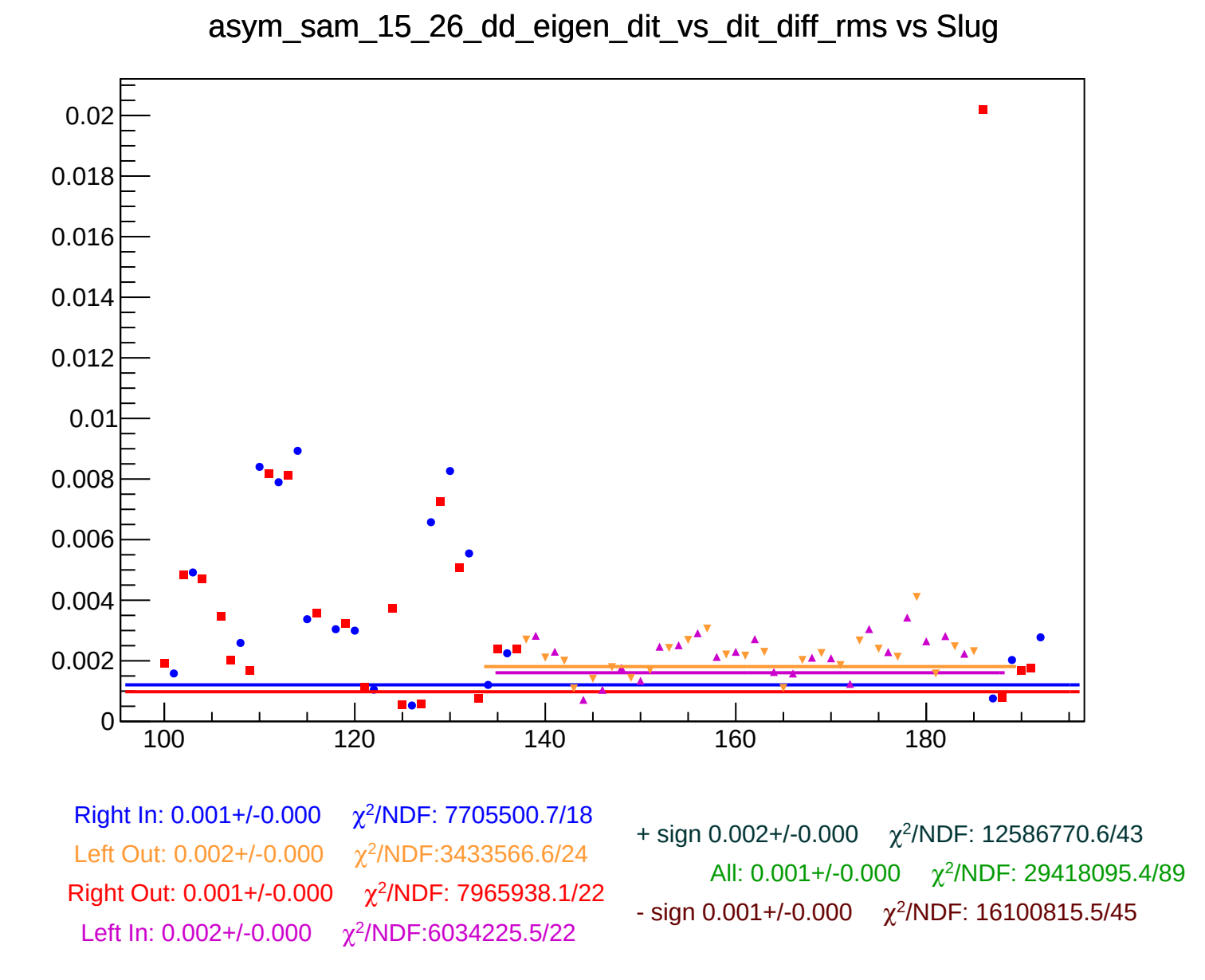
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/22

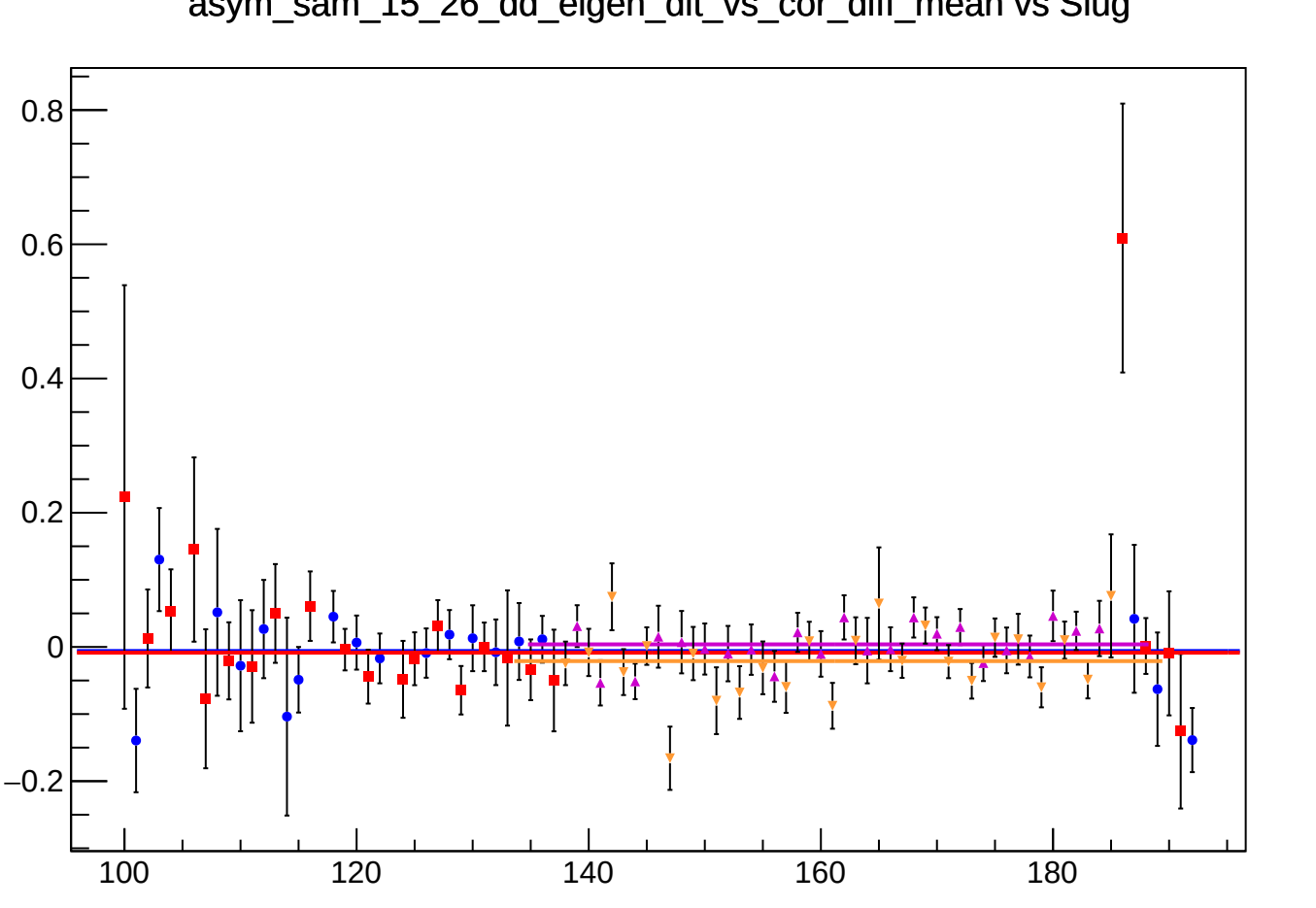
Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.6/43

All: 0.000+/-0.000 χ^2/NDF: 115.8/89

- sign 0.000+/-0.000 χ^2/NDF: 51.2/45


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
Right In: 0.001+/-0.000 χ²/NDF: 7705500.7/18
Left Out: 0.002+/-0.000 χ²/NDF:3433566.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 7965938.1/22
Left In: 0.002+/-0.000 χ²/NDF:6034225.5/22
+ sign 0.002+/-0.000 χ²/NDF: 12586770.6/43
All: 0.001+/-0.000 χ²/NDF: 29418095.4/89
- sign 0.001+/-0.000 χ²/NDF: 16100815.5/45



Right In: -0.006+/-0.012 χ^2/NDF: 19.1/18

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

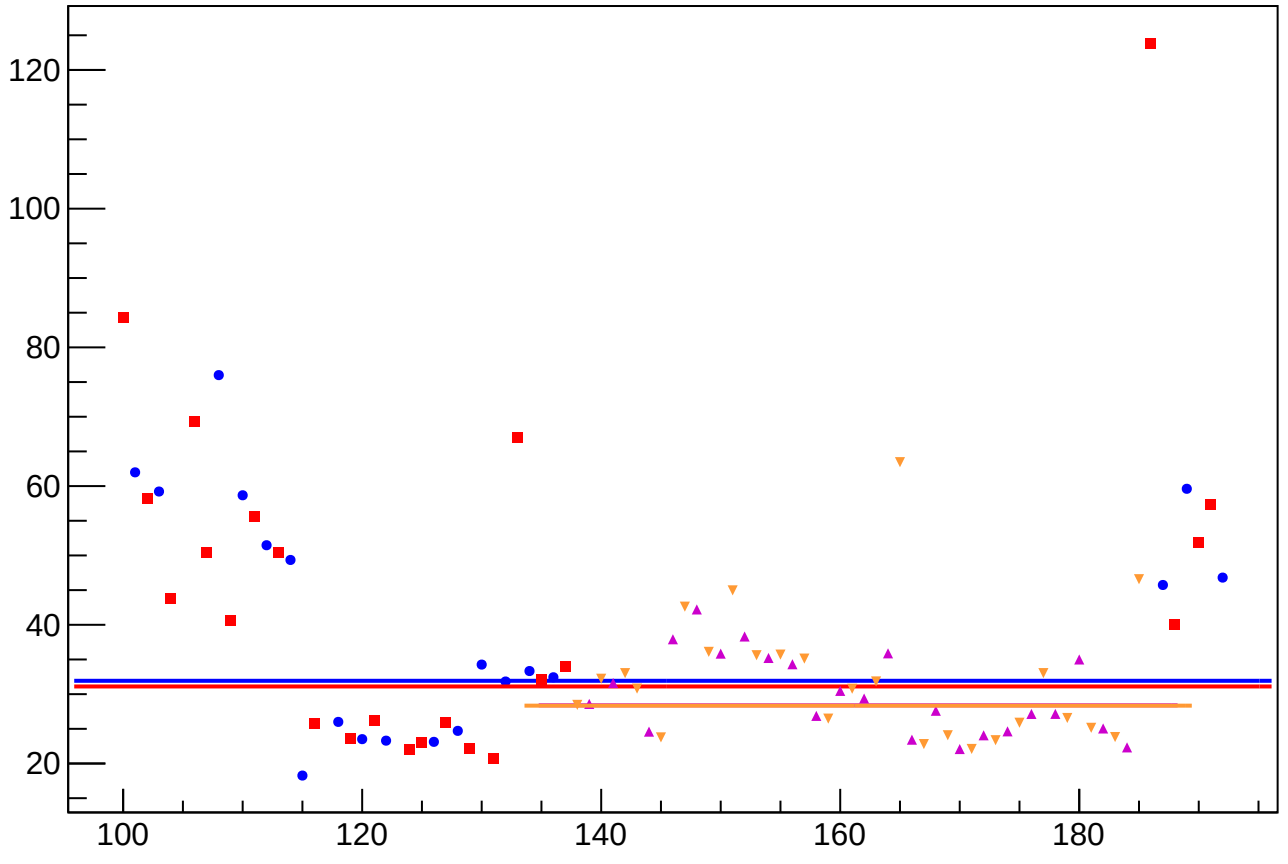
Right Out: -0.009+/-0.011 χ^2/NDF: 21.9/22

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.5/43

All: -0.009+/-0.004 χ^2/NDF: 103.6/89

- sign 0.000+/-0.006 χ^2/NDF: 41.4/45



Right In: 31.926+/-0.008 χ^2/NDF: 2167297.6/18

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

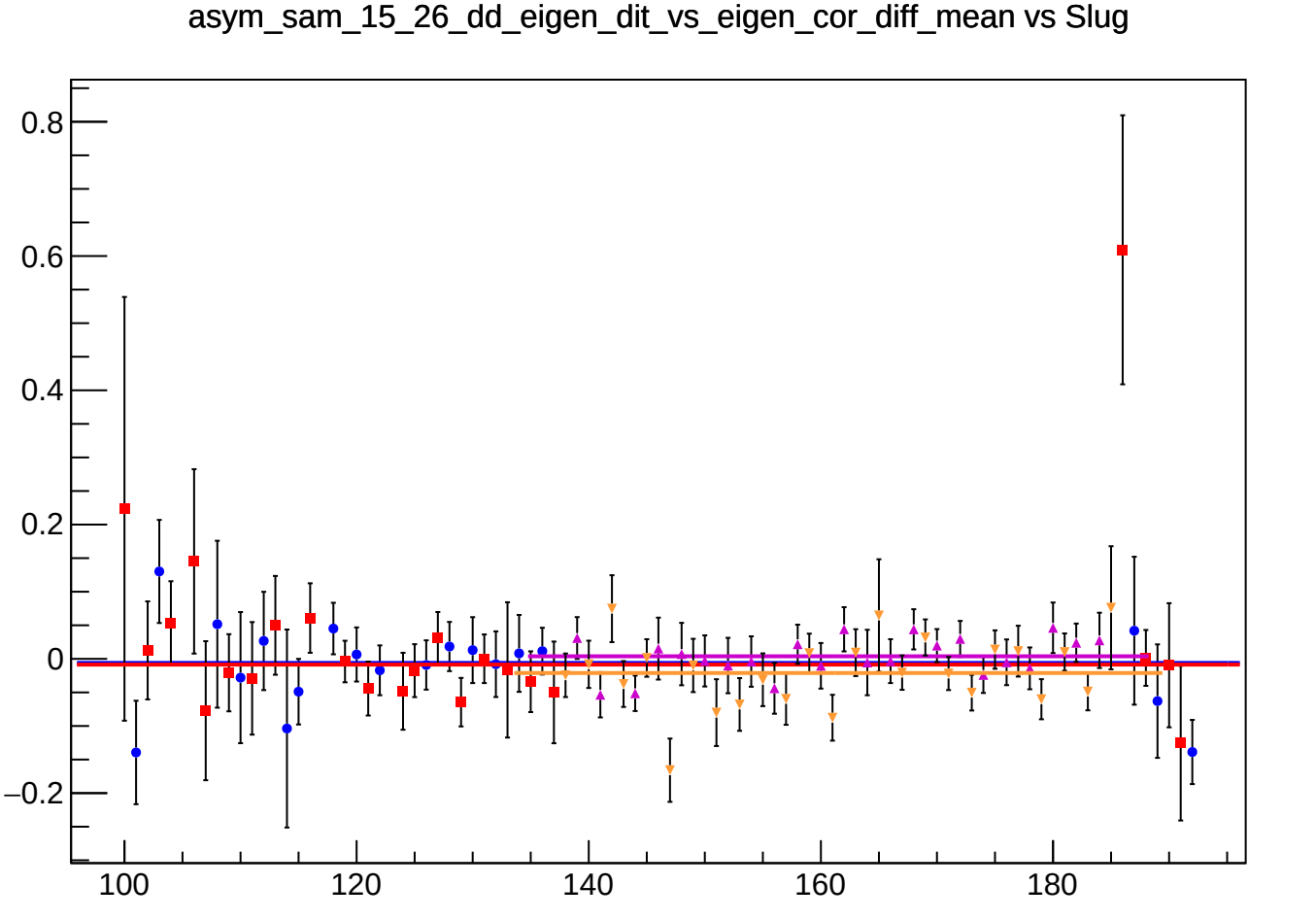
Right Out: 31.109+/-0.008 χ^2/NDF: 2612937.0/22

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 29.220+/-0.004 χ^2/NDF: 4042309.5/43

All: 29.175+/-0.003 χ^2/NDF: 7839945.7/89

\- sign 29.130+/-0.004 χ^2/NDF: 3797401.9/45



Right In: -0.006+/-0.012 χ^2/NDF: 19.1/18

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

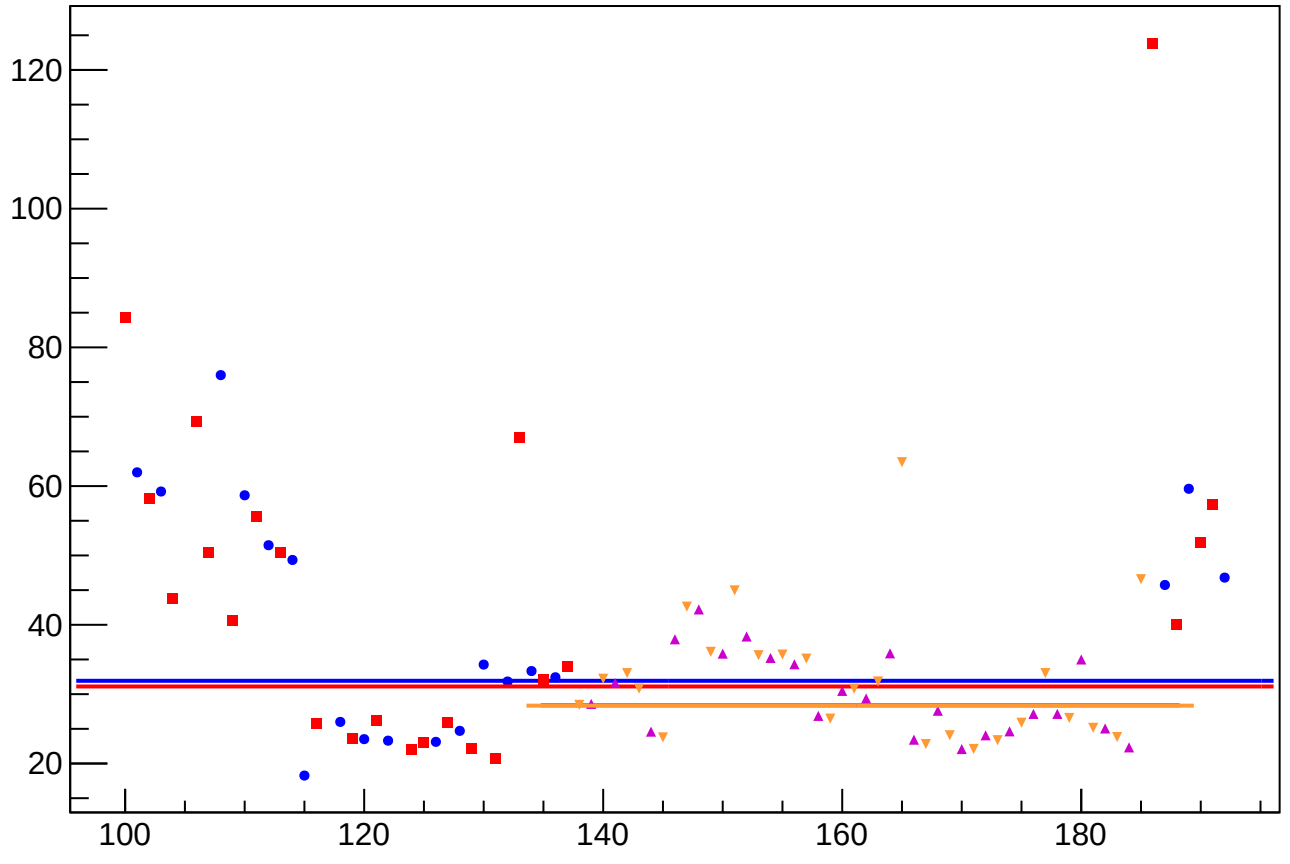
Right Out: -0.009+/-0.011 χ^2/NDF: 21.9/22

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.5/43

All: -0.009+/-0.004 χ^2/NDF: 103.6/89

- sign 0.000+/-0.006 χ^2/NDF: 41.4/45



Right In: 31.926+/-0.008 χ^2/NDF: 2167297.6/18

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

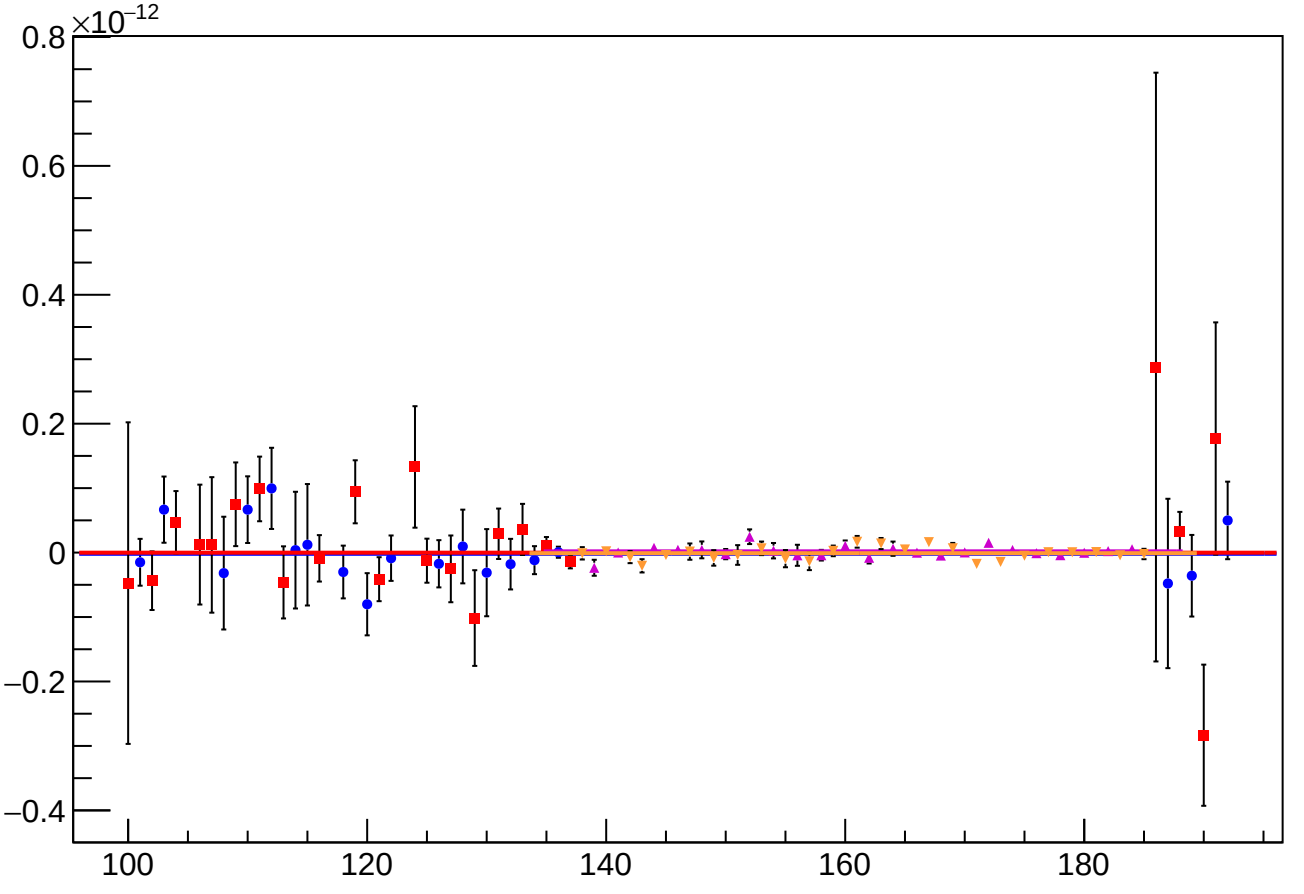
Right Out: 31.109+/-0.008 χ^2/NDF: 2612937.0/22

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 29.220+/-0.004 χ^2/NDF: 4042309.5/43

All: 29.175+/-0.003 χ^2/NDF: 7839945.7/89

- sign 29.130+/-0.004 χ^2/NDF: 3797401.9/45



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

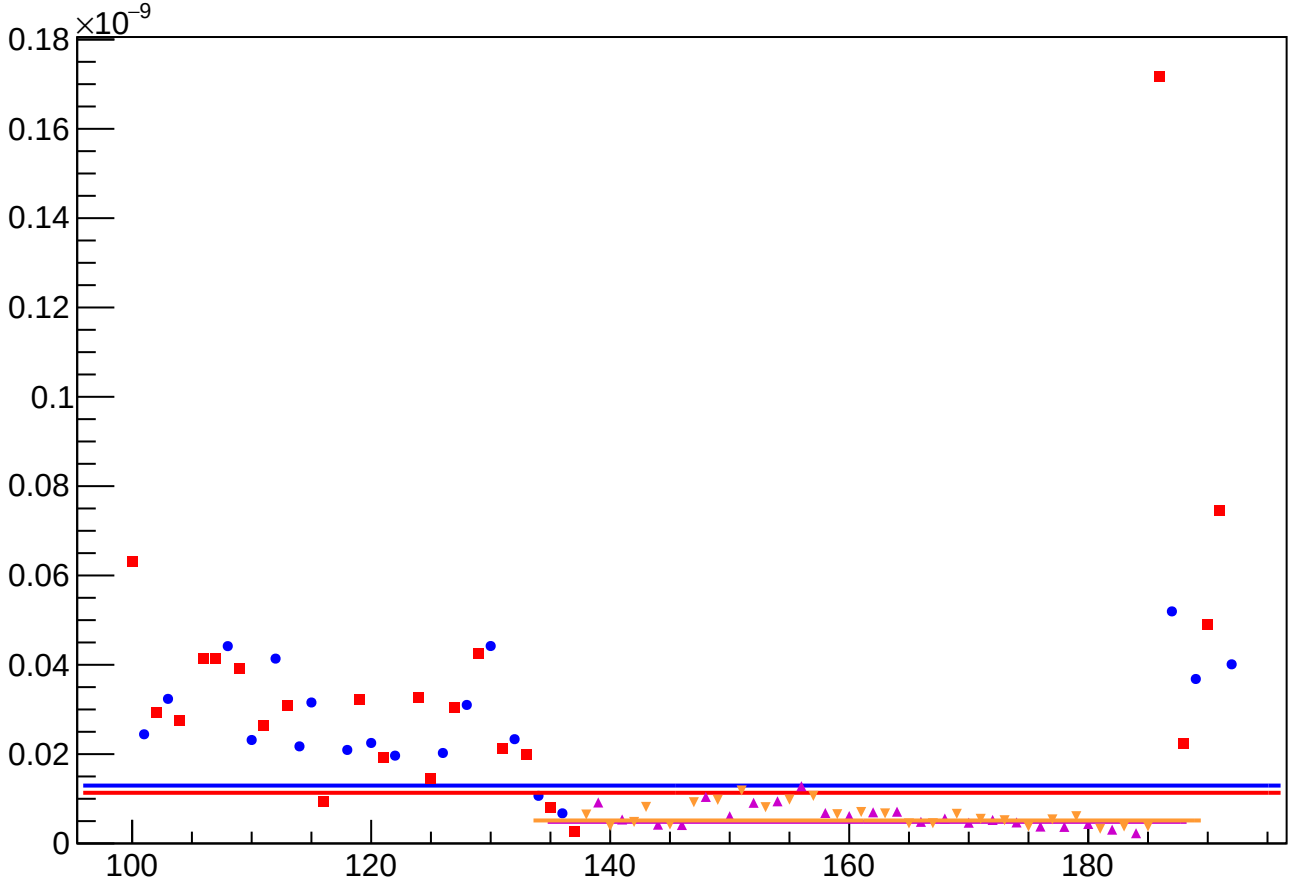
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/22

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.7/43

All: 0.000+/-0.000 χ^2/NDF: 97.8/89

- sign 0.000+/-0.000 χ^2/NDF: 50.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 4328664.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5781185.2/22

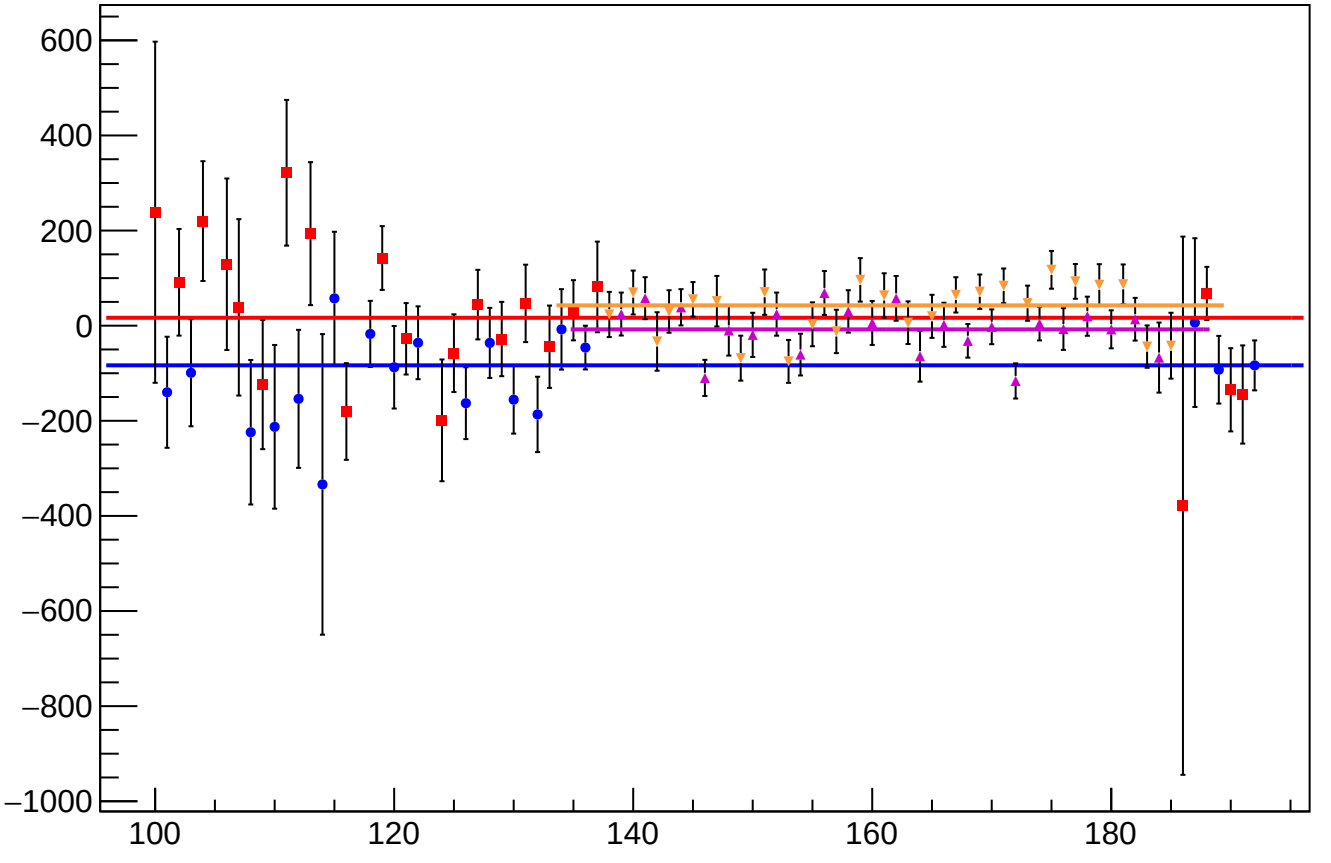
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9936628.5/43

All: 0.000+/-0.000 χ^2/NDF: 20731935.8/89

- sign 0.000+/-0.000 χ^2/NDF: 10732490.7/45

reg_asym_sam_37_26_dd_mean vs Slug



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

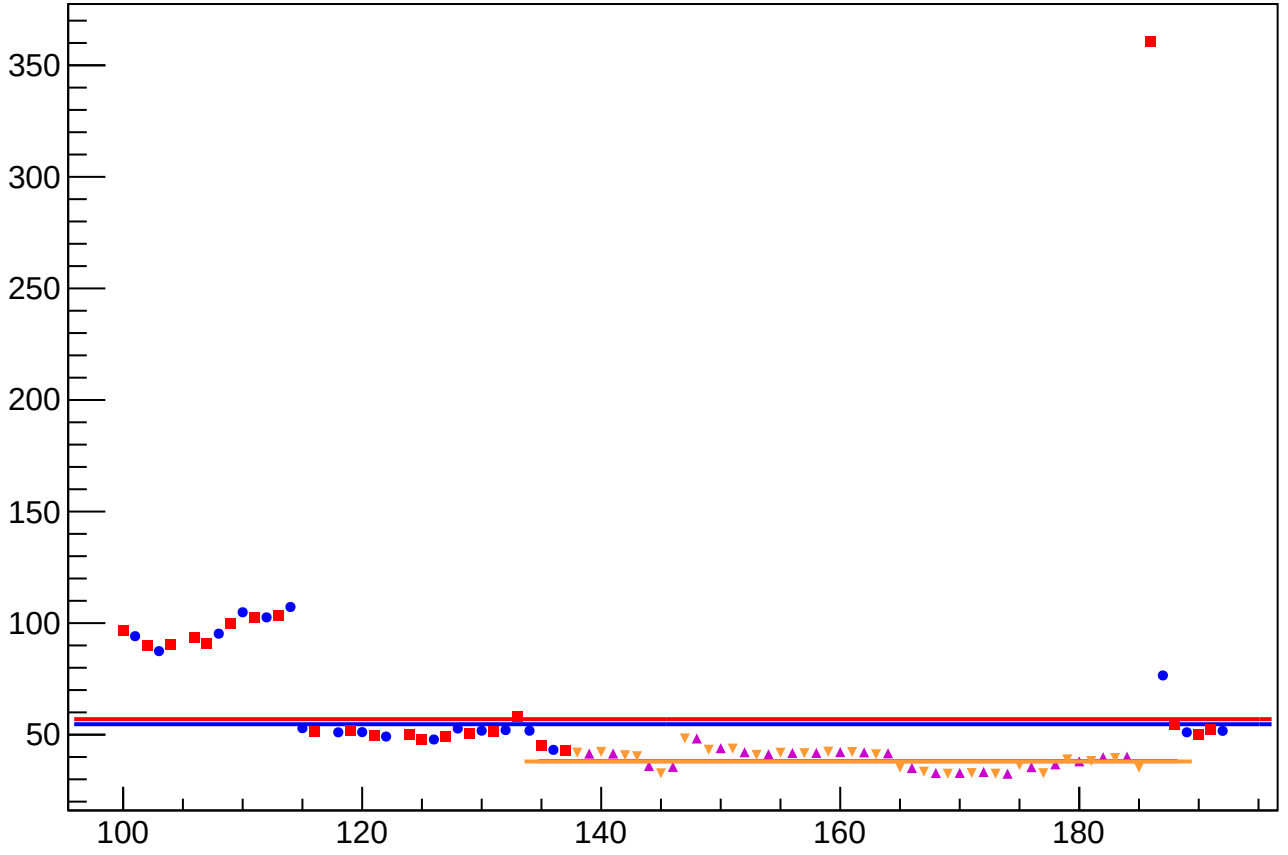
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 20.924+/-7.909 χ^2/NDF: 82.0/43

All: 9.067+/-5.679 χ^2/NDF: 148.4/89

- sign -3.555+/-8.160 χ^2/NDF: 61.8/45

reg_asym_sam_37_26_dd_rms vs Slug



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

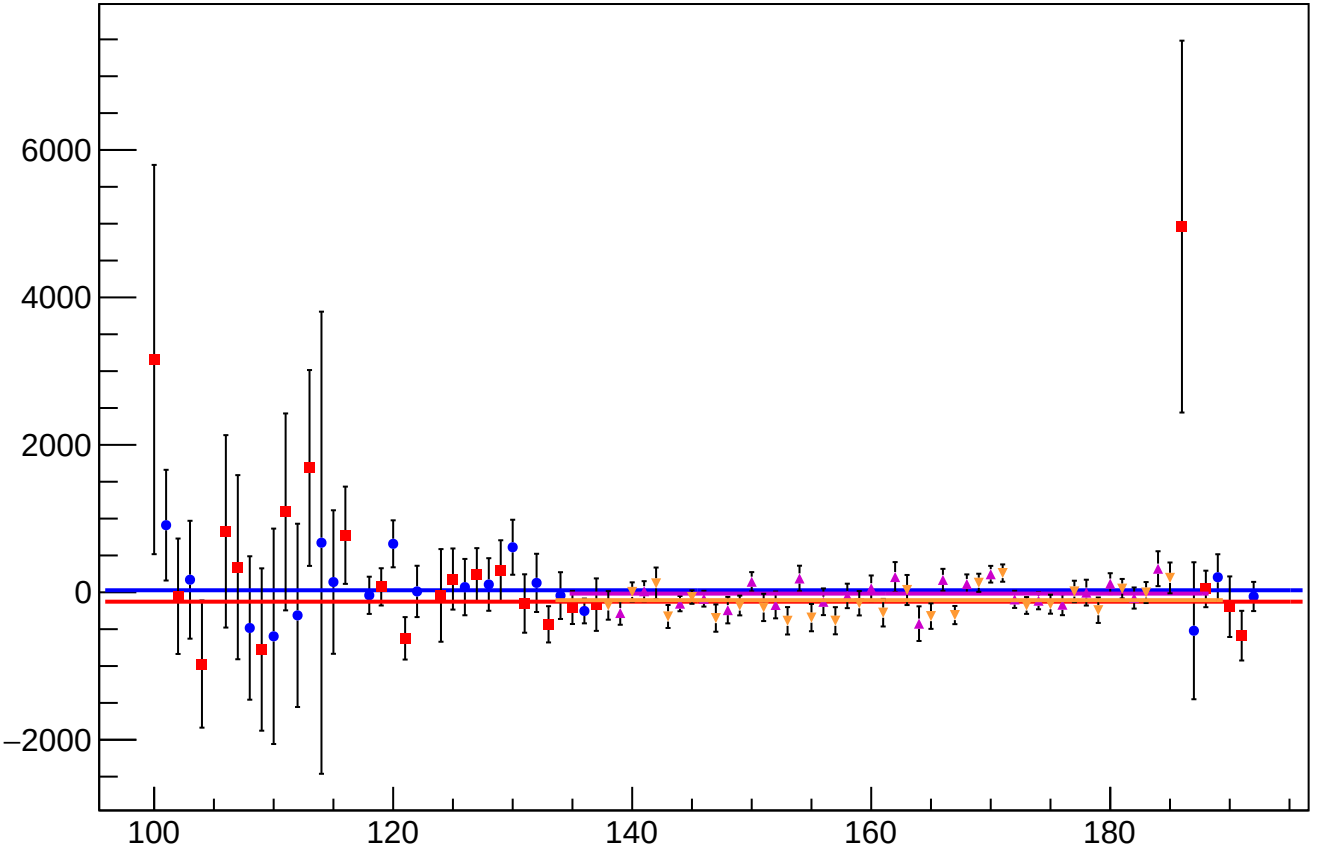
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.882+/-0.006 χ^2/NDF: 2986367.5/43

All: 41.130+/-0.004 χ^2/NDF: 6822926.3/89

- sign 41.394+/-0.006 χ^2/NDF: 3832496.5/45

asym_sam_37_26_dd_reg_correction_mean vs Slug



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

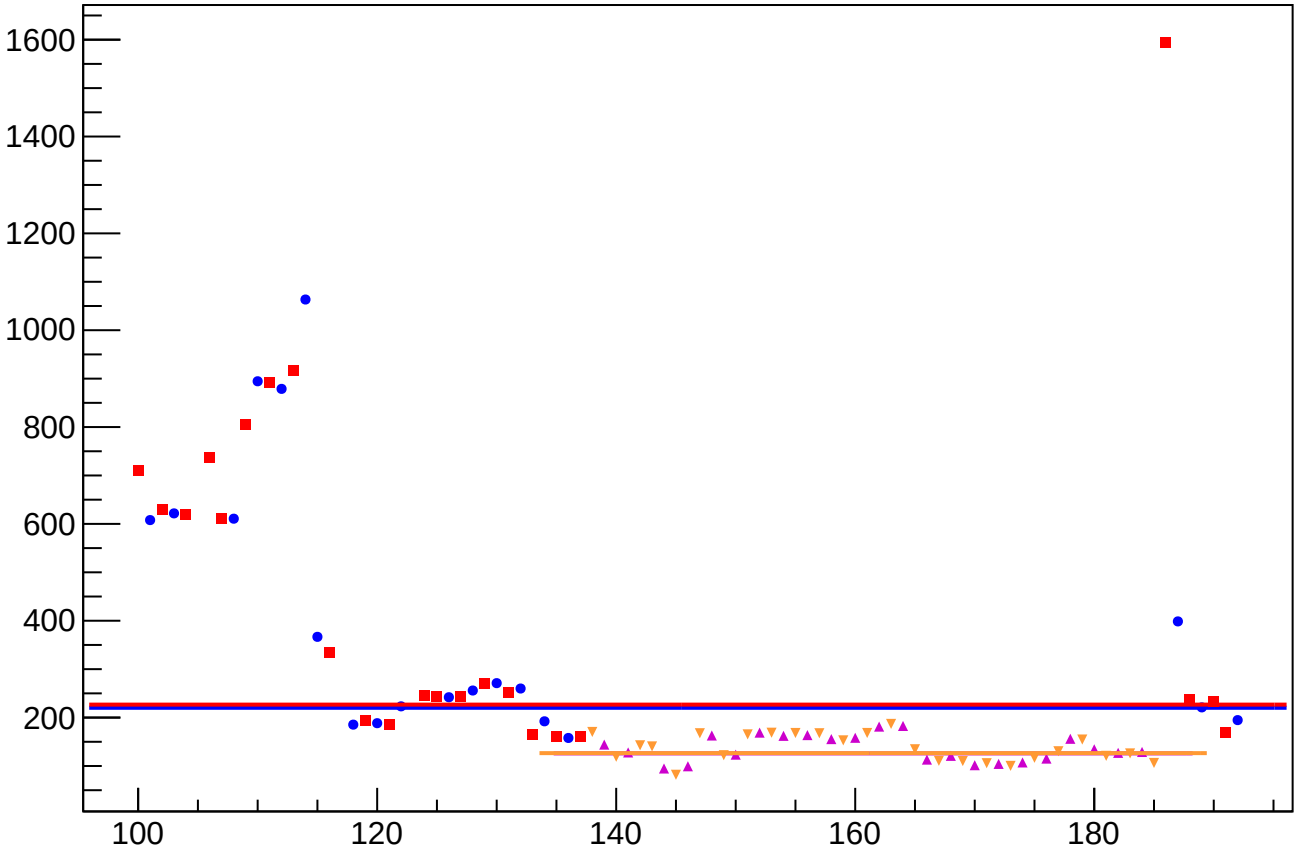
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -90.826+/-27.784 χ^2/NDF: 52.3/43

All: -61.060+/-19.869 χ^2/NDF: 106.9/89

- sign -29.905+/-28.425 χ^2/NDF: 52.2/45

asym_sam_37_26_dd_reg_correction_rms vs Slug



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

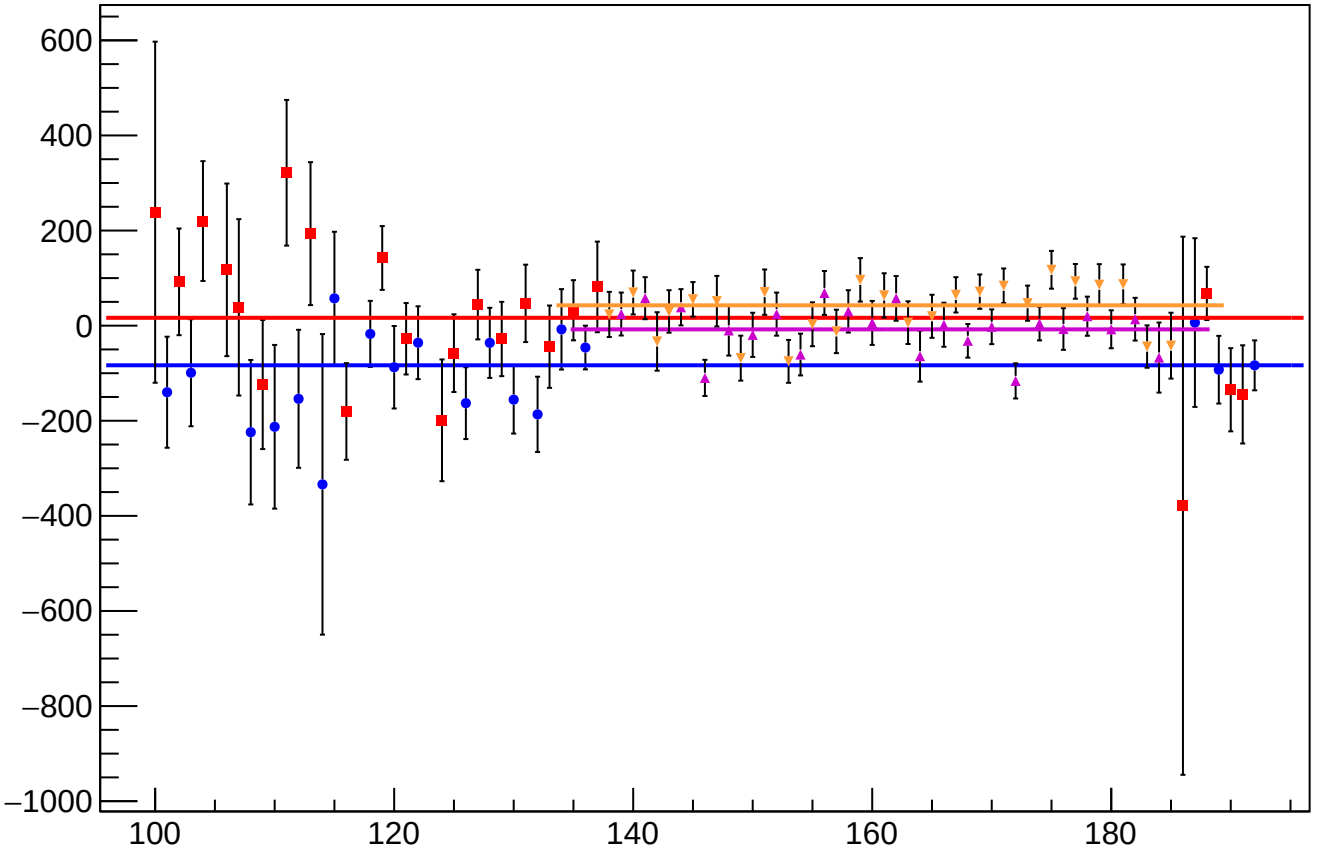
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 137.495+/-0.020 χ^2/NDF: 7180190.0/43

All: 137.458+/-0.014 χ^2/NDF: 15402685.9/89

- sign 137.419+/-0.020 χ^2/NDF: 8222488.7/45

cor_asym_sam_37_26_dd_mean vs Slug



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

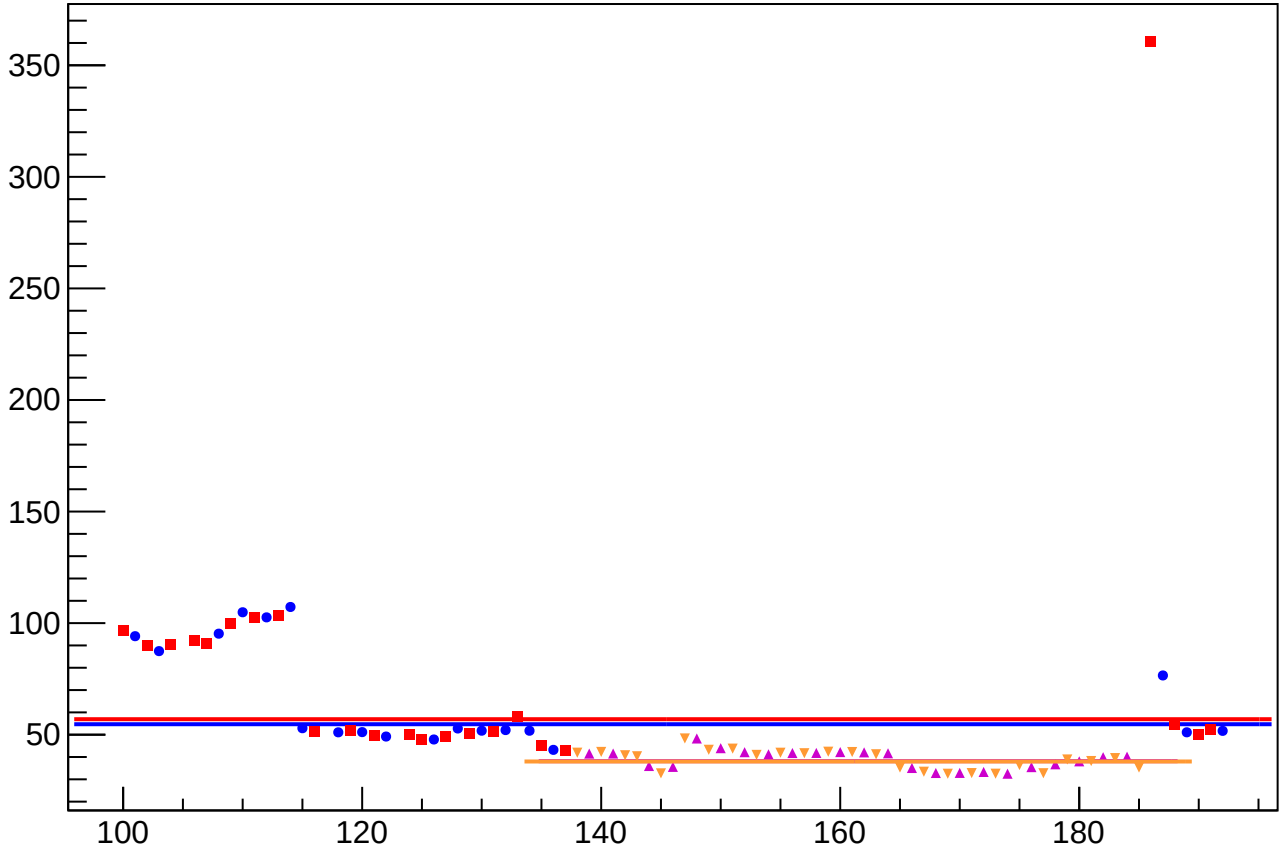
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 20.927+/-7.909 χ^2/NDF: 82.0/43

All: 9.058+/-5.679 χ^2/NDF: 148.3/89

- sign -3.577+/-8.160 χ^2/NDF: 61.7/45

cor_asym_sam_37_26_dd_rms vs Slug



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

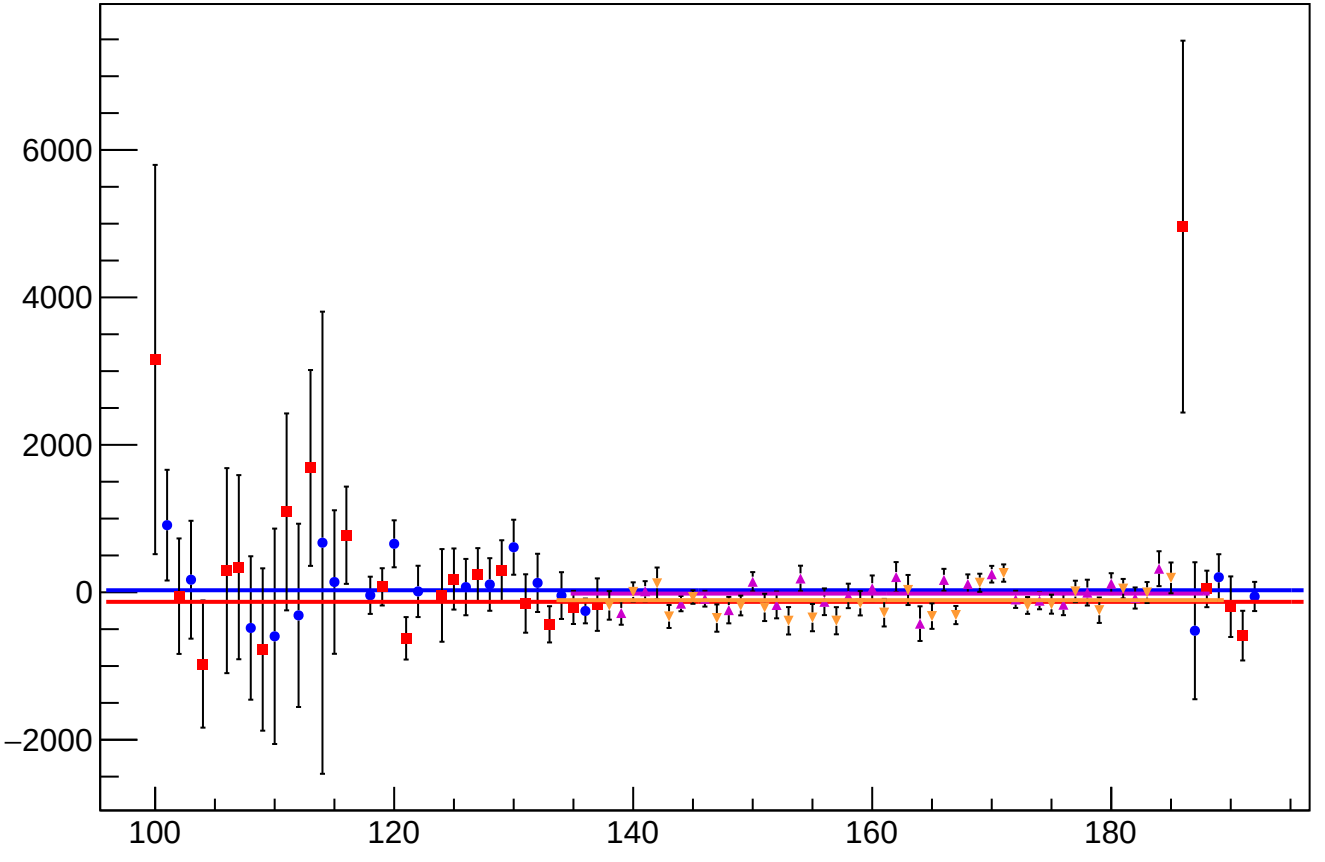
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.882+/-0.006 χ^2/NDF: 2986367.7/43

All: 41.128+/-0.004 χ^2/NDF: 6811425.4/89

- sign 41.390+/-0.006 χ^2/NDF: 3821064.6/45

asym_sam_37_26_dd_cor_correction_mean vs Slug



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

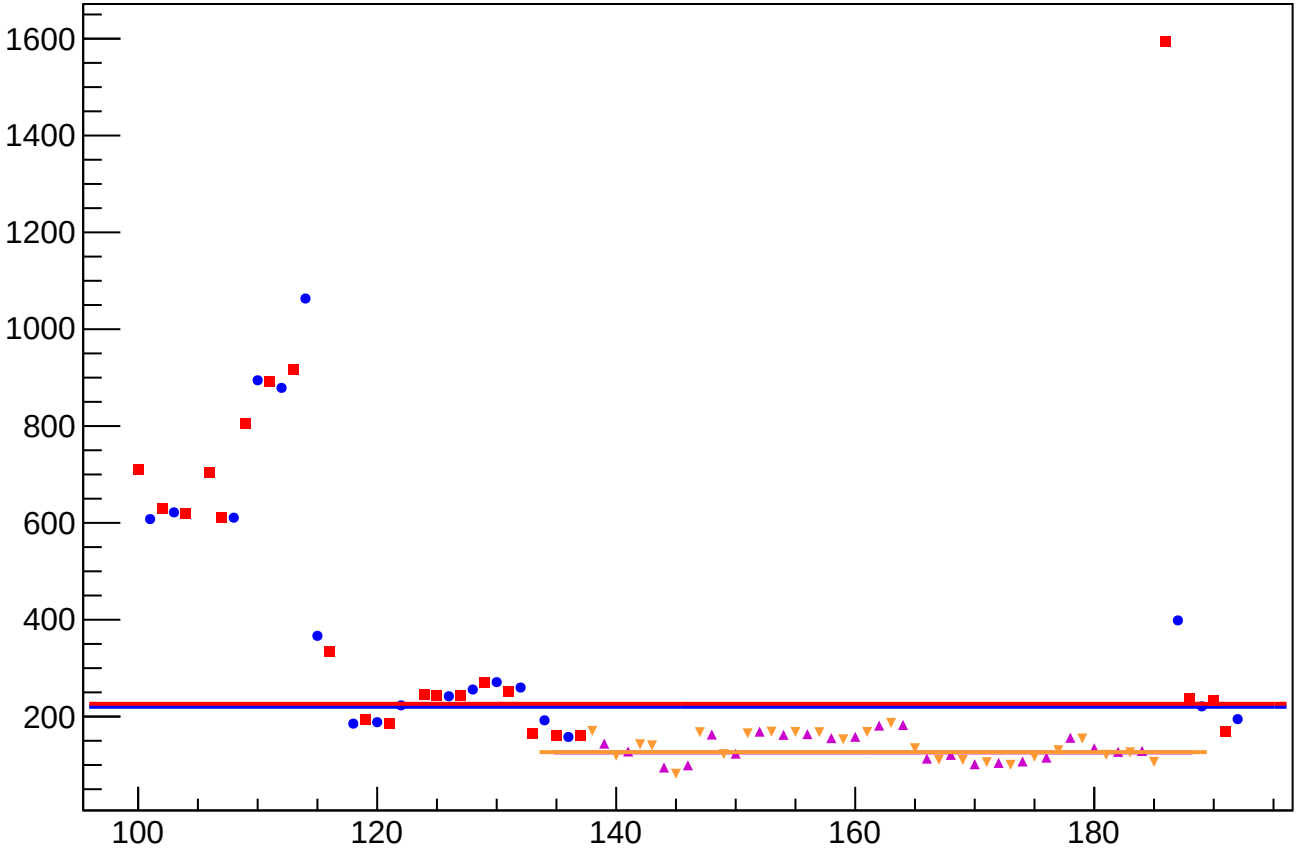
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -90.825+/-27.784 χ^2/NDF: 52.3/43

All: -61.191+/-19.870 χ^2/NDF: 106.5/89

- sign -30.172+/-28.426 χ^2/NDF: 51.8/45

asym_sam_37_26_dd_cor_correction_rms vs Slug



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

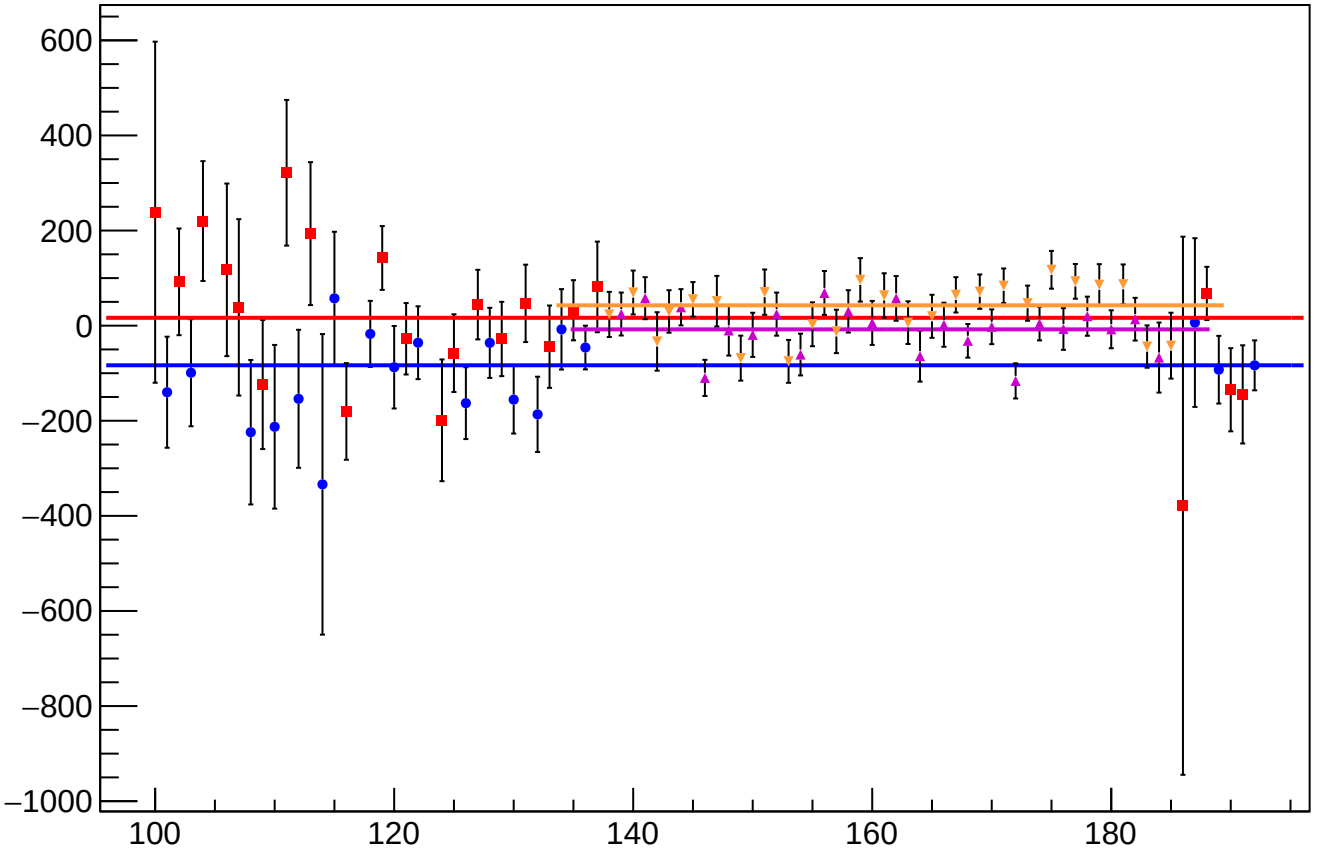
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 137.495+/-0.020 χ^2/NDF: 7180190.5/43

All: 137.435+/-0.014 χ^2/NDF: 15314111.3/89

- sign 137.372+/-0.020 χ^2/NDF: 8133901.5/45

eigen_cor_asym_sam_37_26_dd_mean vs Slug



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

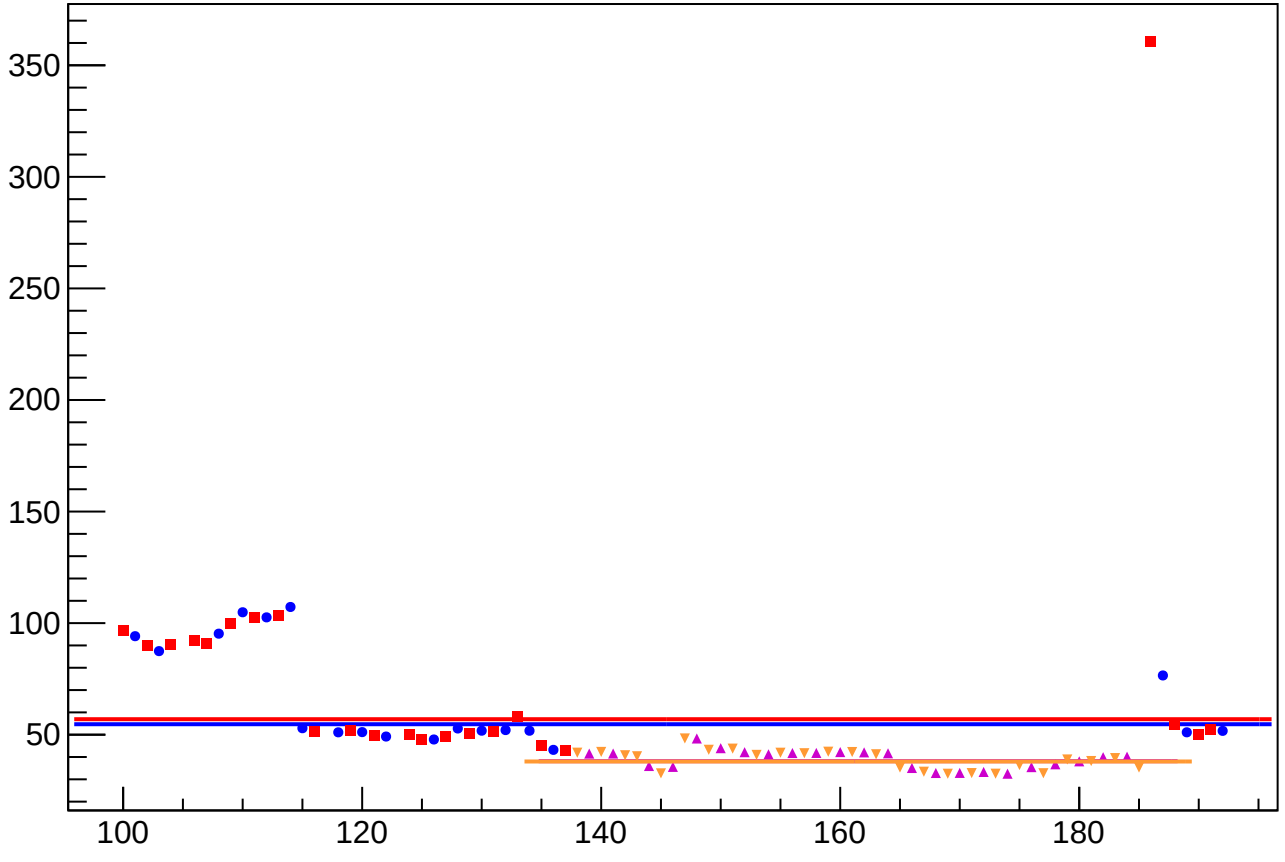
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 20.927+/-7.909 χ^2/NDF: 82.0/43

All: 9.058+/-5.679 χ^2/NDF: 148.3/89

- sign -3.577+/-8.160 χ^2/NDF: 61.7/45

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 54.693+/-0.013 χ^2/NDF: 1195646.1/18

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

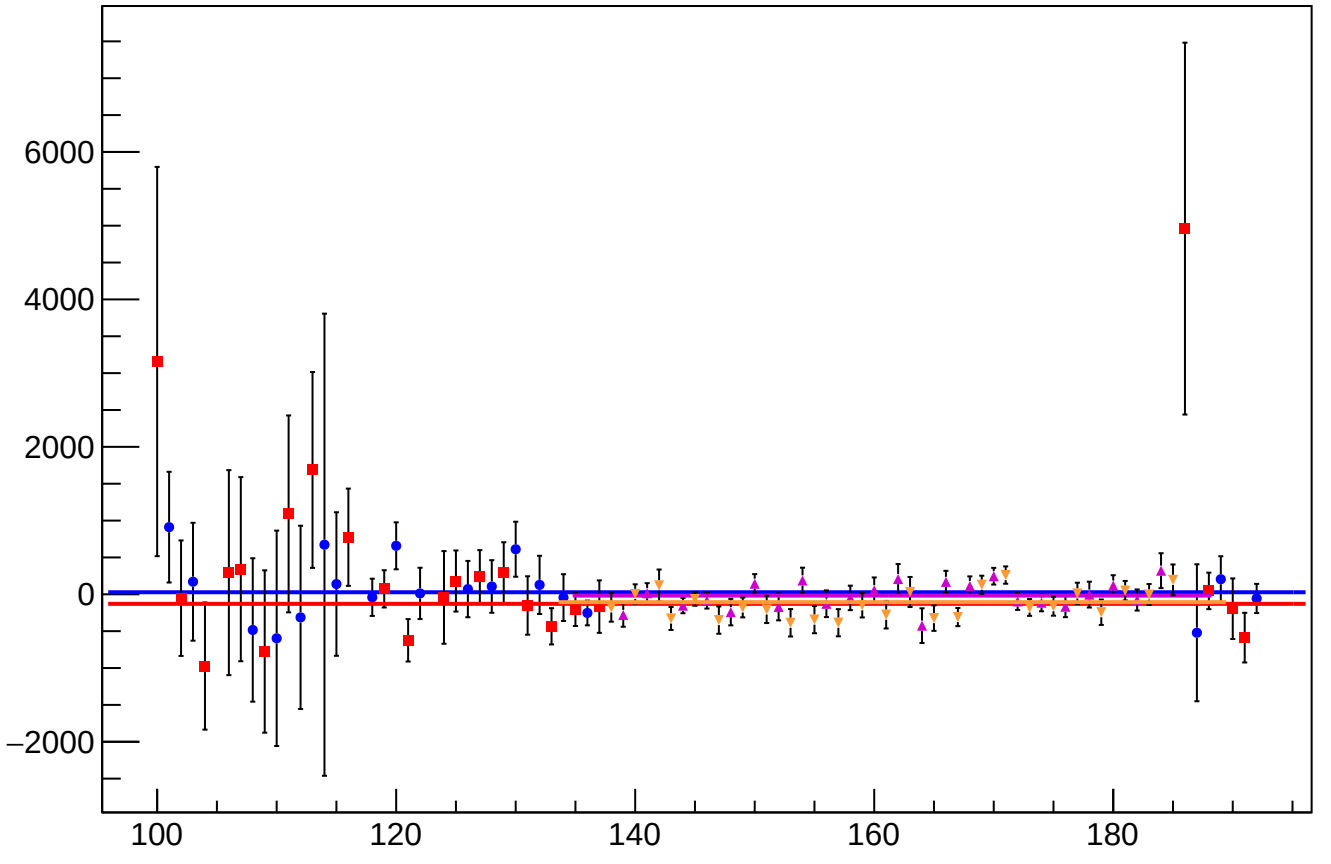
Right Out: 56.944+/-0.014 χ^2/NDF: 1871152.2/22

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.882+/-0.006 χ^2/NDF: 2986367.7/43

All: 41.128+/-0.004 χ^2/NDF: 6811425.4/89

- sign 41.390+/-0.006 χ^2/NDF: 3821064.6/45



Right In: 27.825+/-81.323 χ^2/NDF: 12.3/18

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

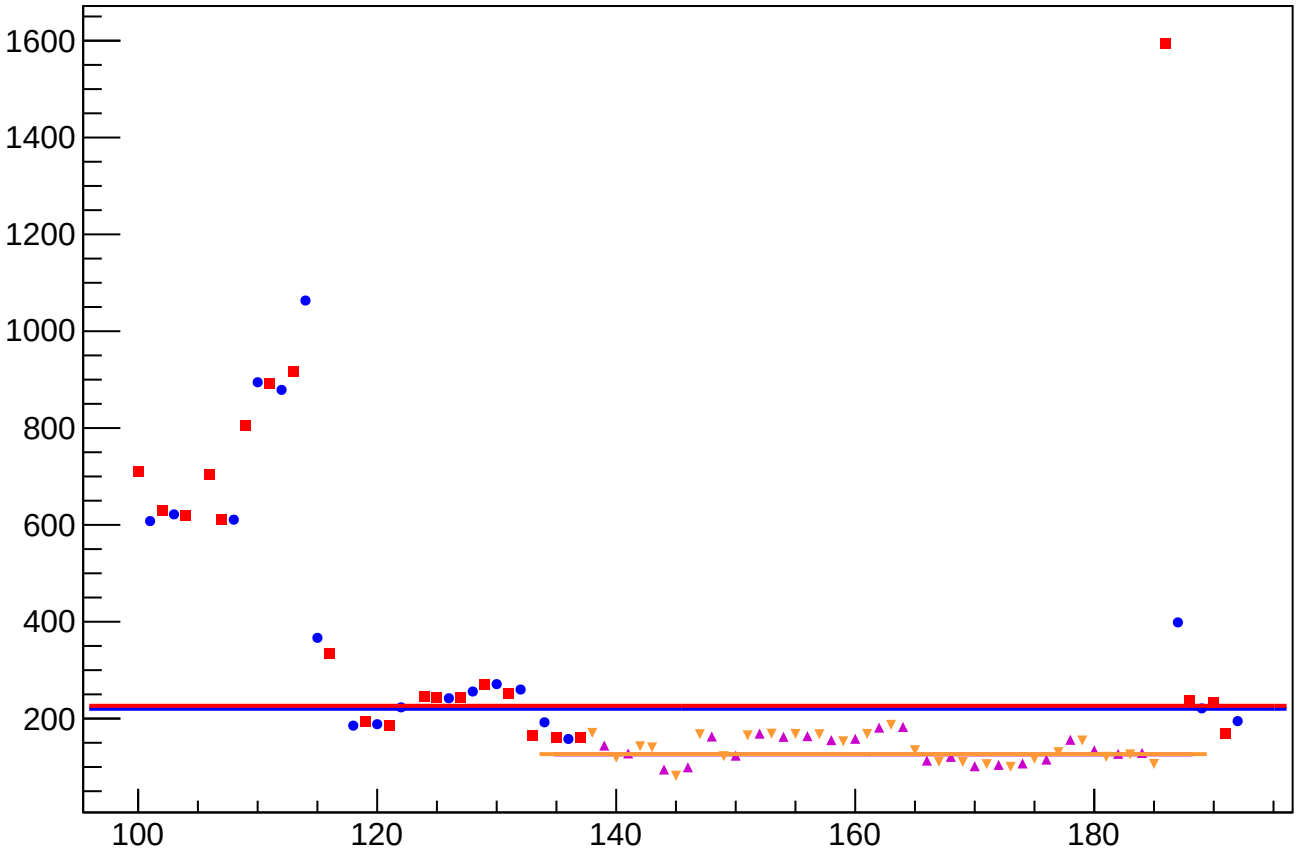
Right Out: -129.360+/-84.506 χ^2/NDF: 22.0/22

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -90.825+/-27.784 χ^2/NDF: 52.3/43

All: -61.191+/-19.870 χ^2/NDF: 106.5/89

- sign -30.172+/-28.426 χ^2/NDF: 51.8/45



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

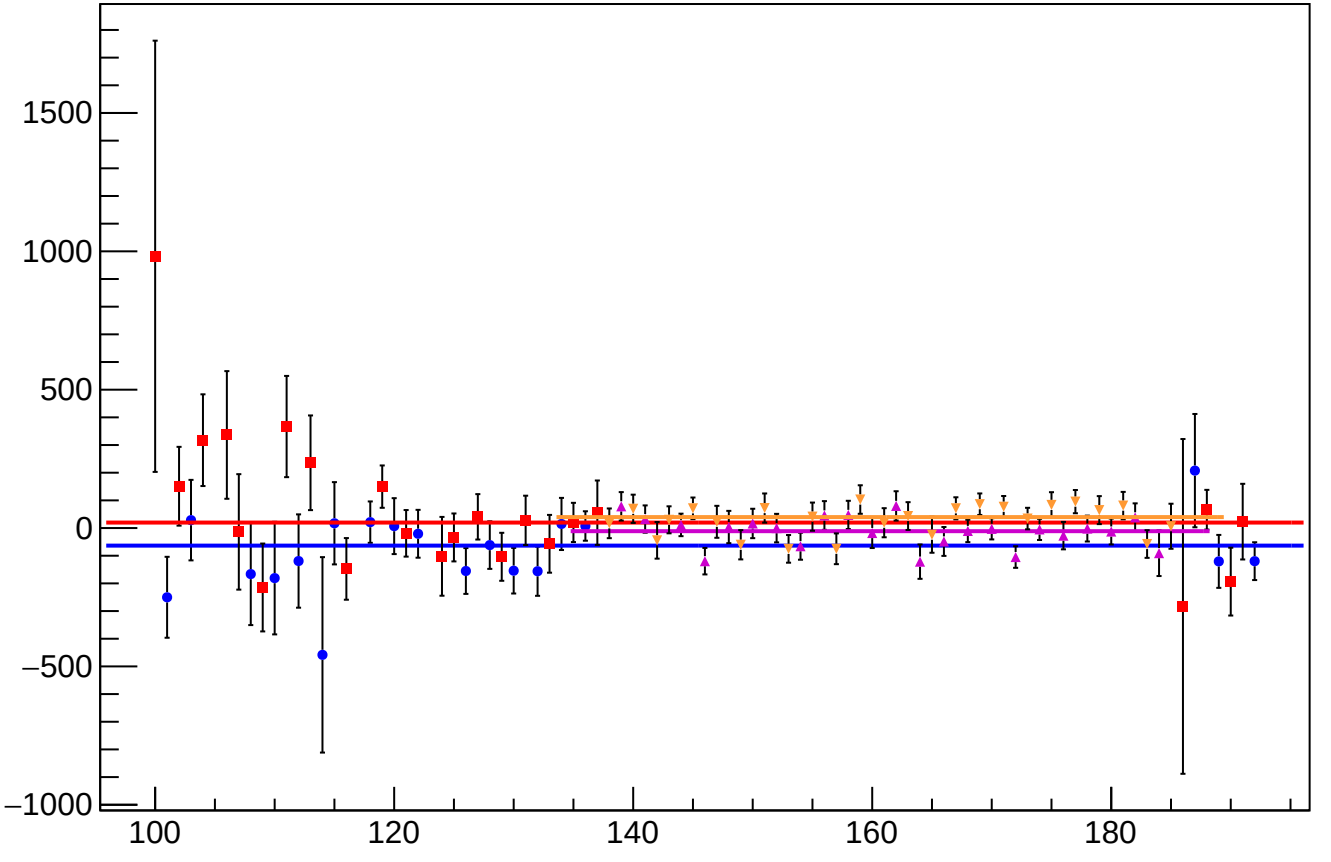
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 137.495+/-0.020 χ^2/NDF: 7180190.5/43

All: 137.435+/-0.014 χ^2/NDF: 15314111.3/89

- sign 137.372+/-0.020 χ^2/NDF: 8133901.5/45

dit_asym_sam_37_26_dd_mean vs Slug



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

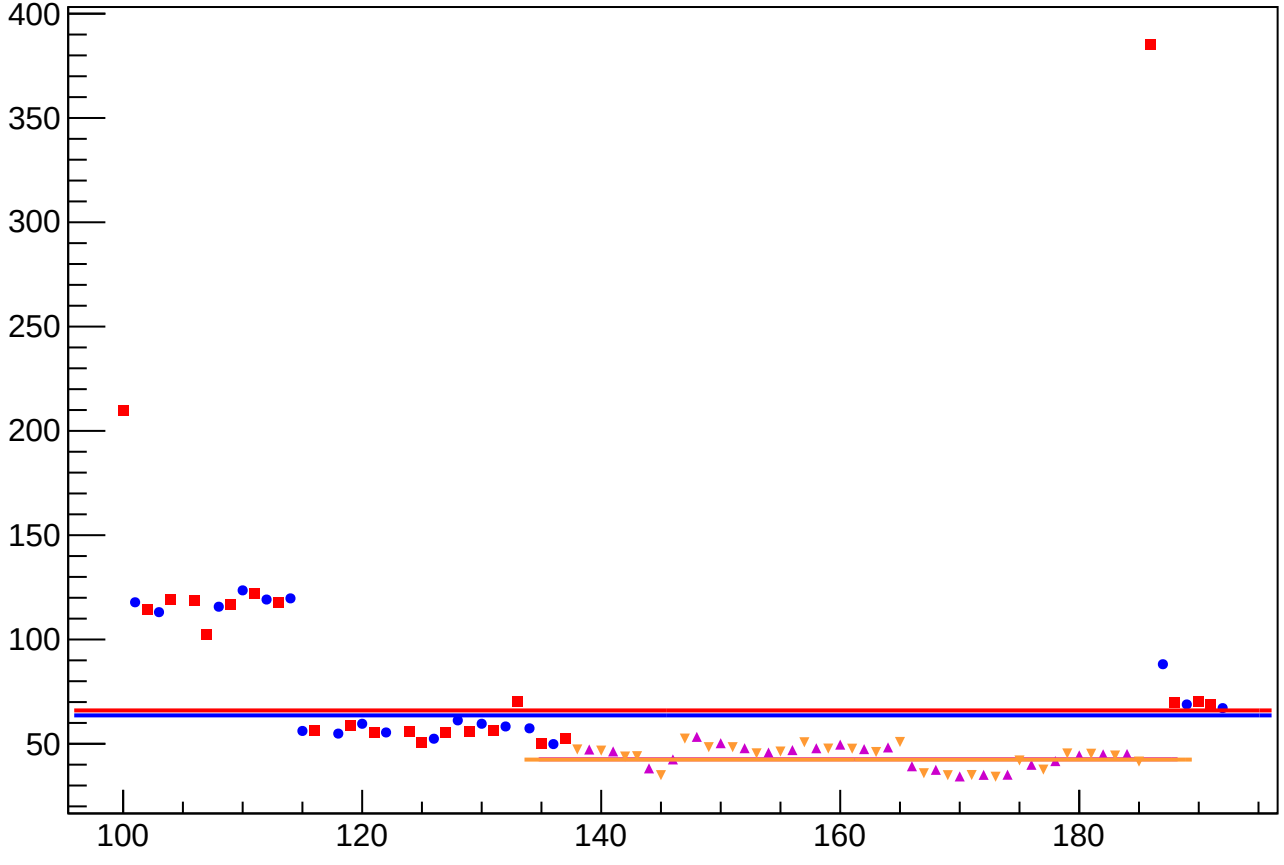
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 23.010+/-8.928 χ^2/NDF: 62.7/43

All: 8.847+/-6.416 χ^2/NDF: 125.2/89

- sign -6.281+/-9.227 χ^2/NDF: 57.3/45

dit_asym_sam_37_26_dd_rms vs Slug



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

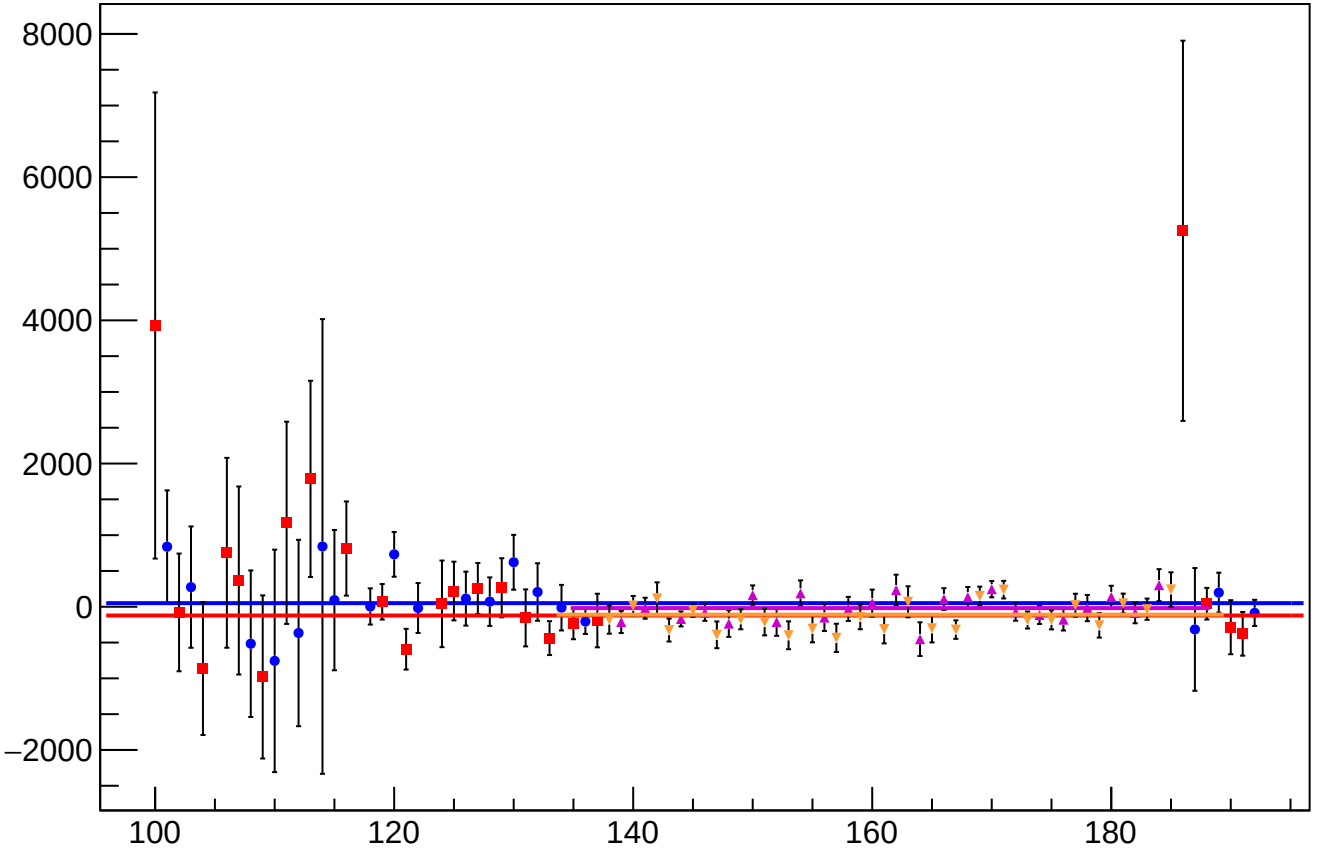
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 45.830+/-0.006 χ^2/NDF: 3610156.7/43

All: 46.087+/-0.005 χ^2/NDF: 8110300.9/89

- sign 46.361+/-0.007 χ^2/NDF: 4496715.1/45

asym_sam_37_26_dd_dit_correction_mean vs Slug



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

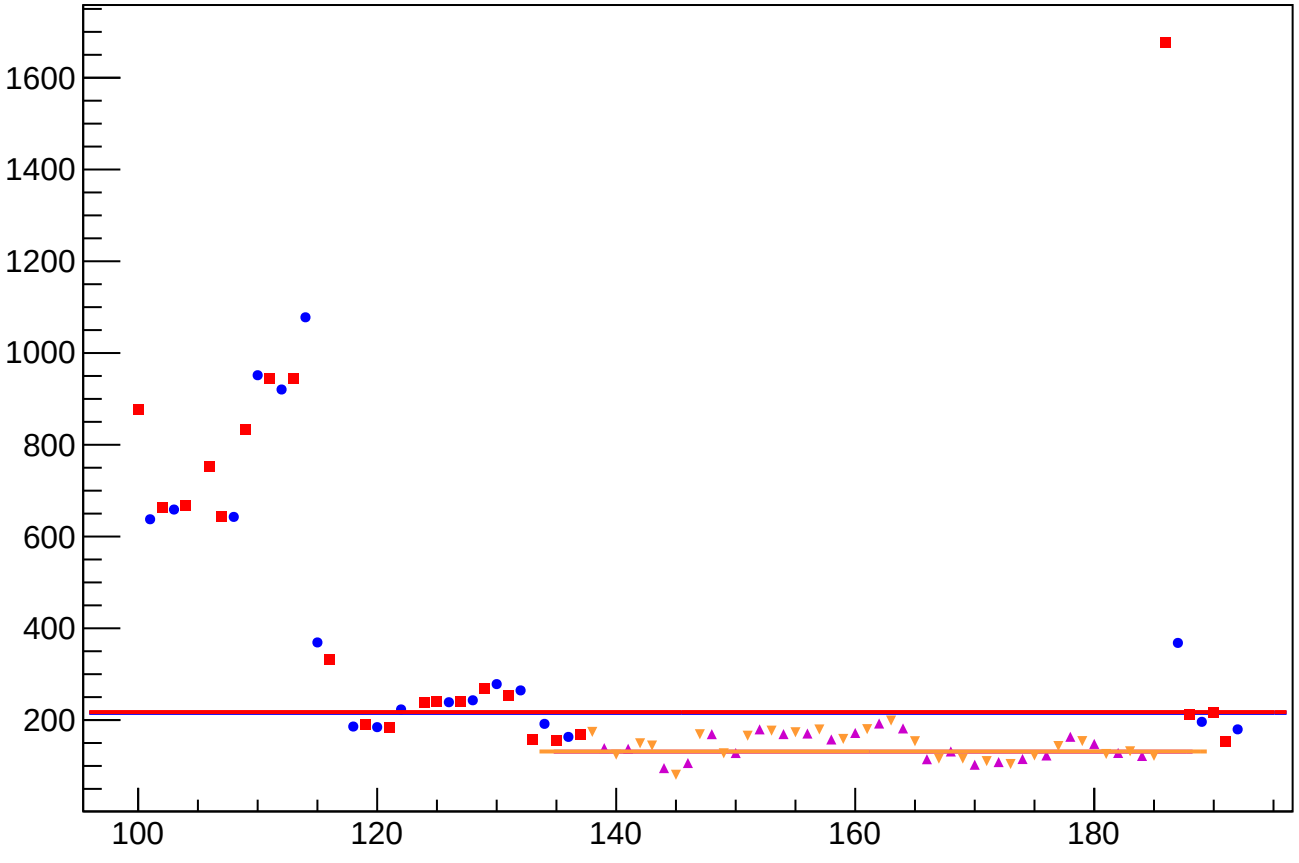
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -89.249+/-28.710 χ^2/NDF: 52.0/43

All: -61.378+/-20.531 χ^2/NDF: 104.4/89

- sign -32.211+/-29.370 χ^2/NDF: 50.5/45

asym_sam_37_26_dd_dit_correction_rms vs Slug



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

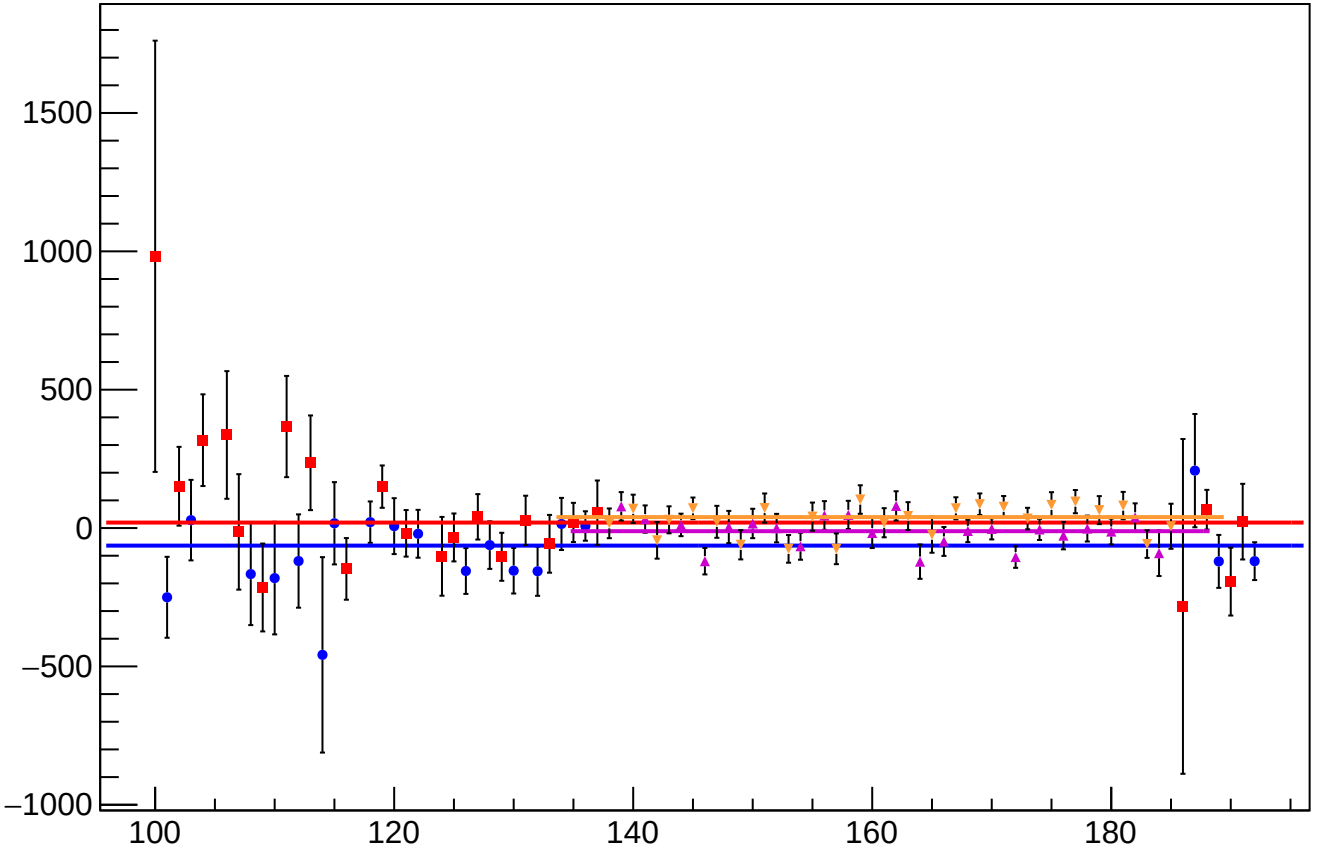
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 142.344+/-0.020 χ^2/NDF: 7026961.7/43

All: 142.297+/-0.015 χ^2/NDF: 14988518.8/89

- sign 142.247+/-0.021 χ^2/NDF: 7961546.0/45

eigen_dit_asym_sam_37_26_dd_mean vs Slug



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

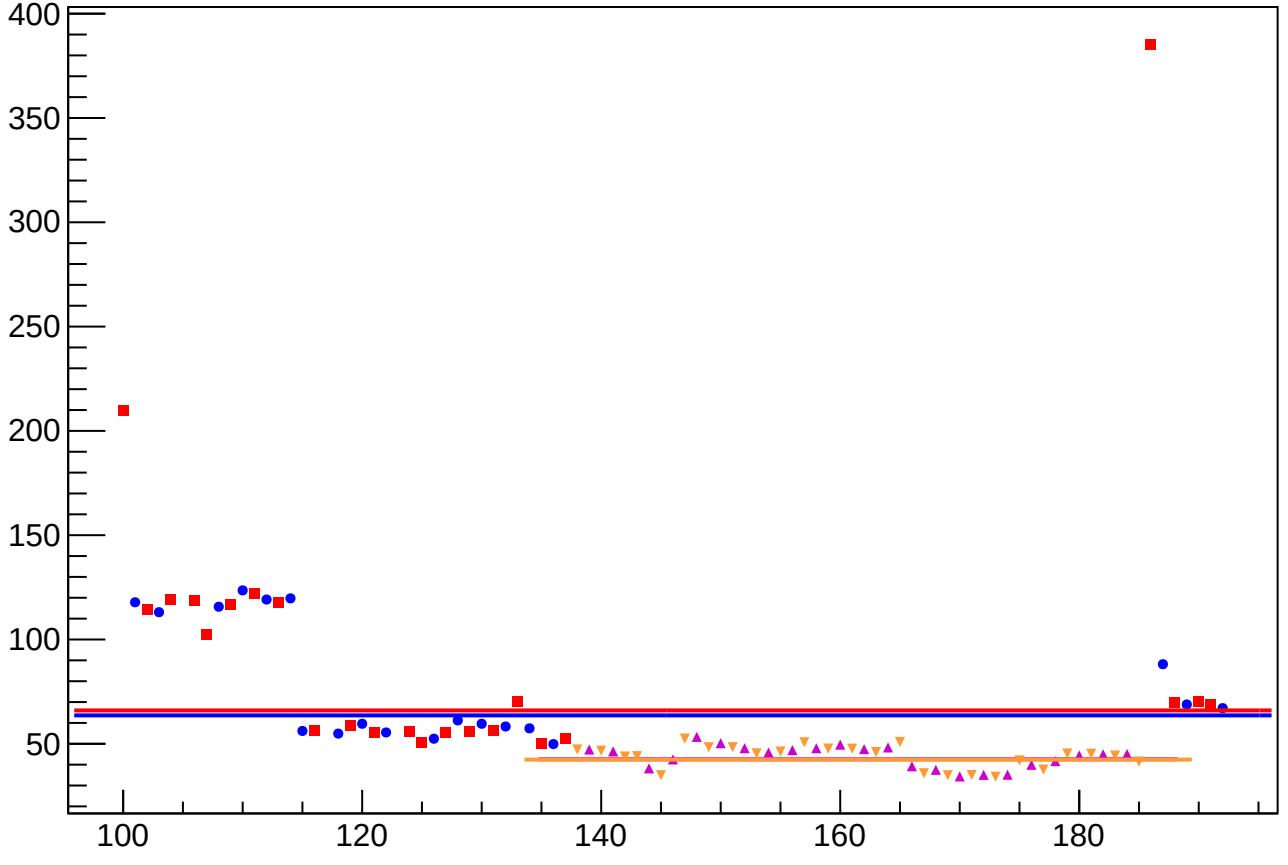
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 23.010+/-8.928 χ^2/NDF: 62.7/43

All: 8.848+/-6.416 χ^2/NDF: 125.2/89

- sign -6.280+/-9.227 χ^2/NDF: 57.3/45

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 63.616+/-0.016 χ^2/NDF: 1392482.7/18

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

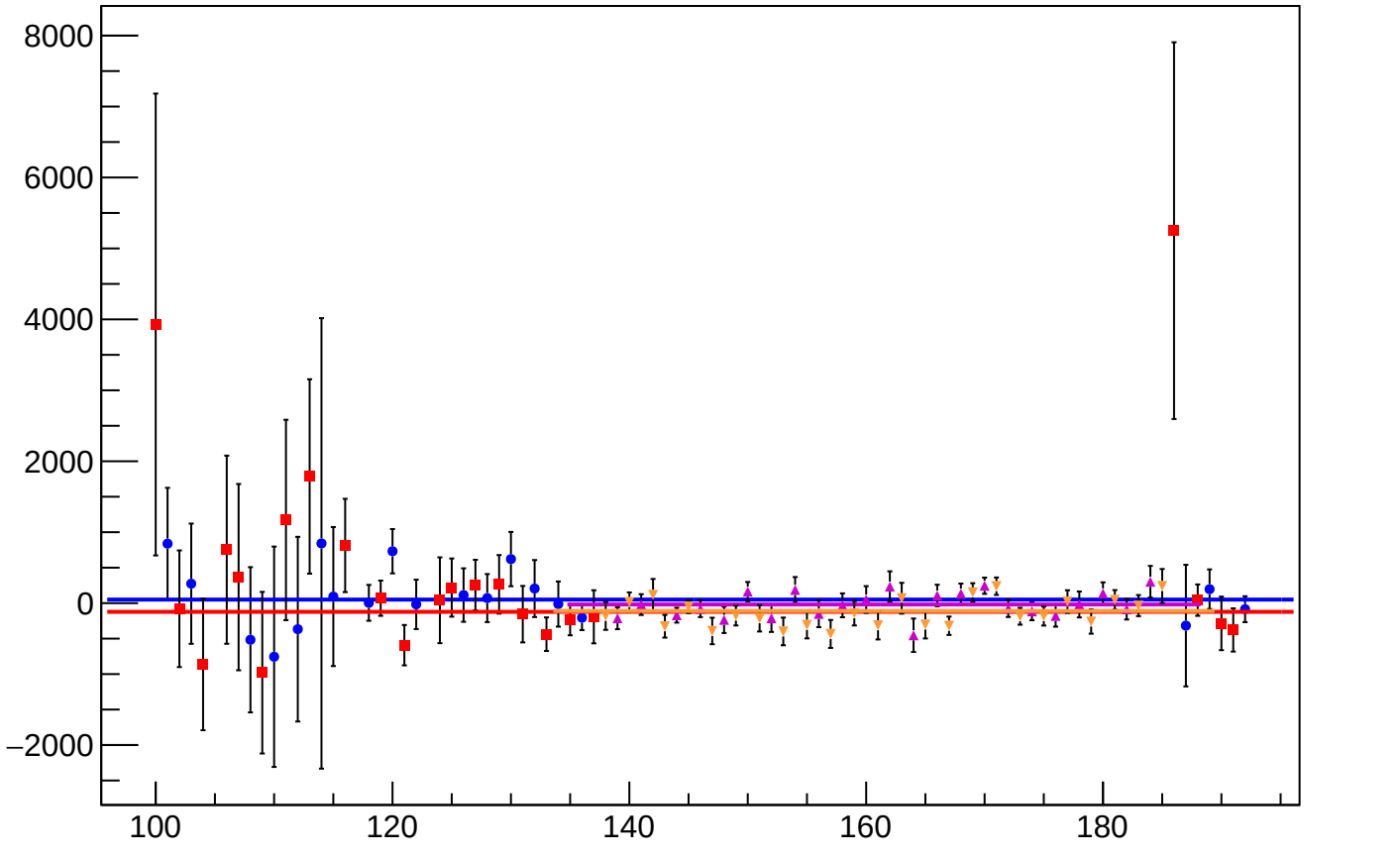
Right Out: 65.997+/-0.016 χ^2/NDF: 2162206.5/22

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 45.830+/-0.006 χ^2/NDF: 3610132.8/43

All: 46.087+/-0.005 χ^2/NDF: 8110242.8/89

- sign 46.362+/-0.007 χ^2/NDF: 4496679.6/45



Right In: 50.278+/-80.011 χ^2/NDF: 12.3/18

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

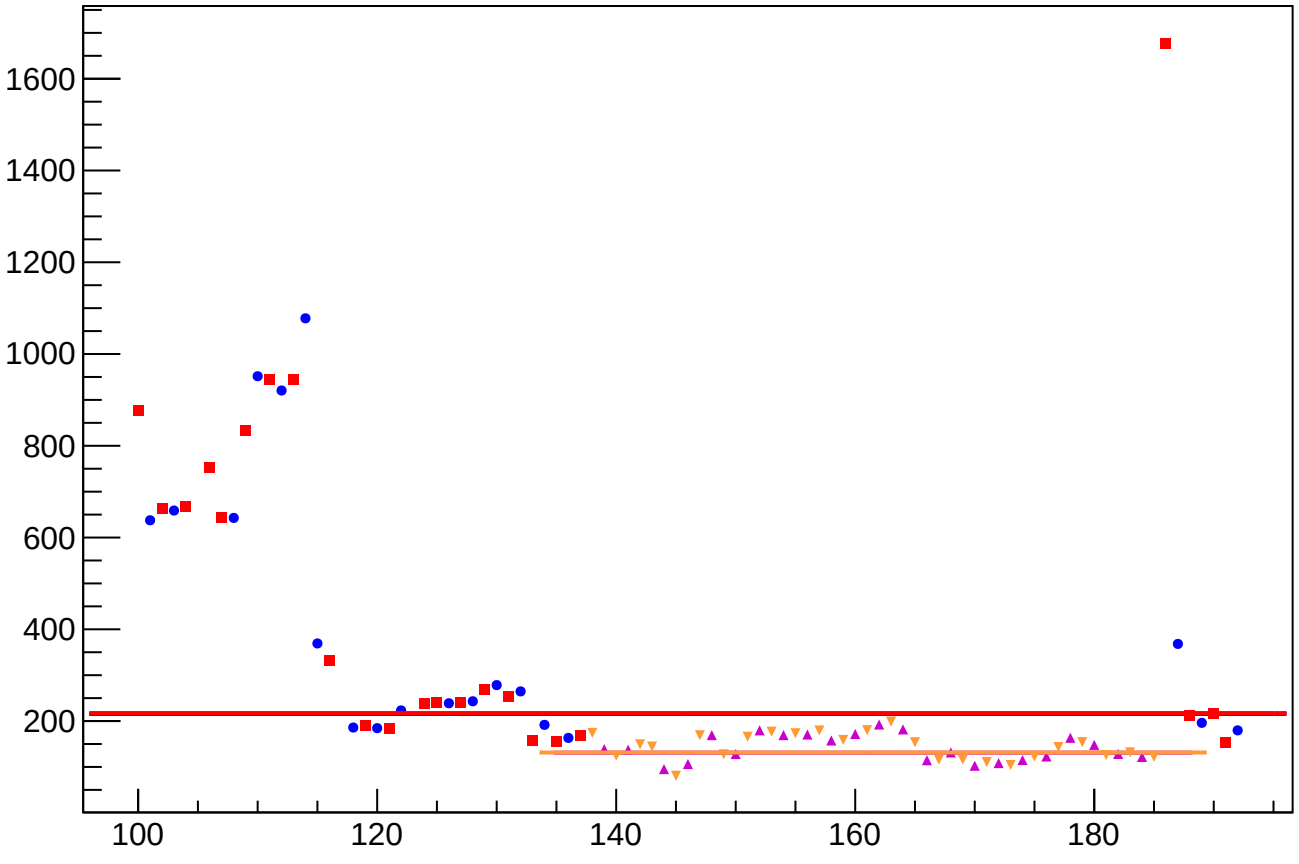
Right Out: -122.207+/-81.656 χ^2/NDF: 21.9/22

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

\+ sign -89.249+/-28.710 χ^2/NDF: 52.0/43

All: -61.378+/-20.531 χ^2/NDF: 104.4/89

\- sign -32.211+/-29.370 χ^2/NDF: 50.5/45



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

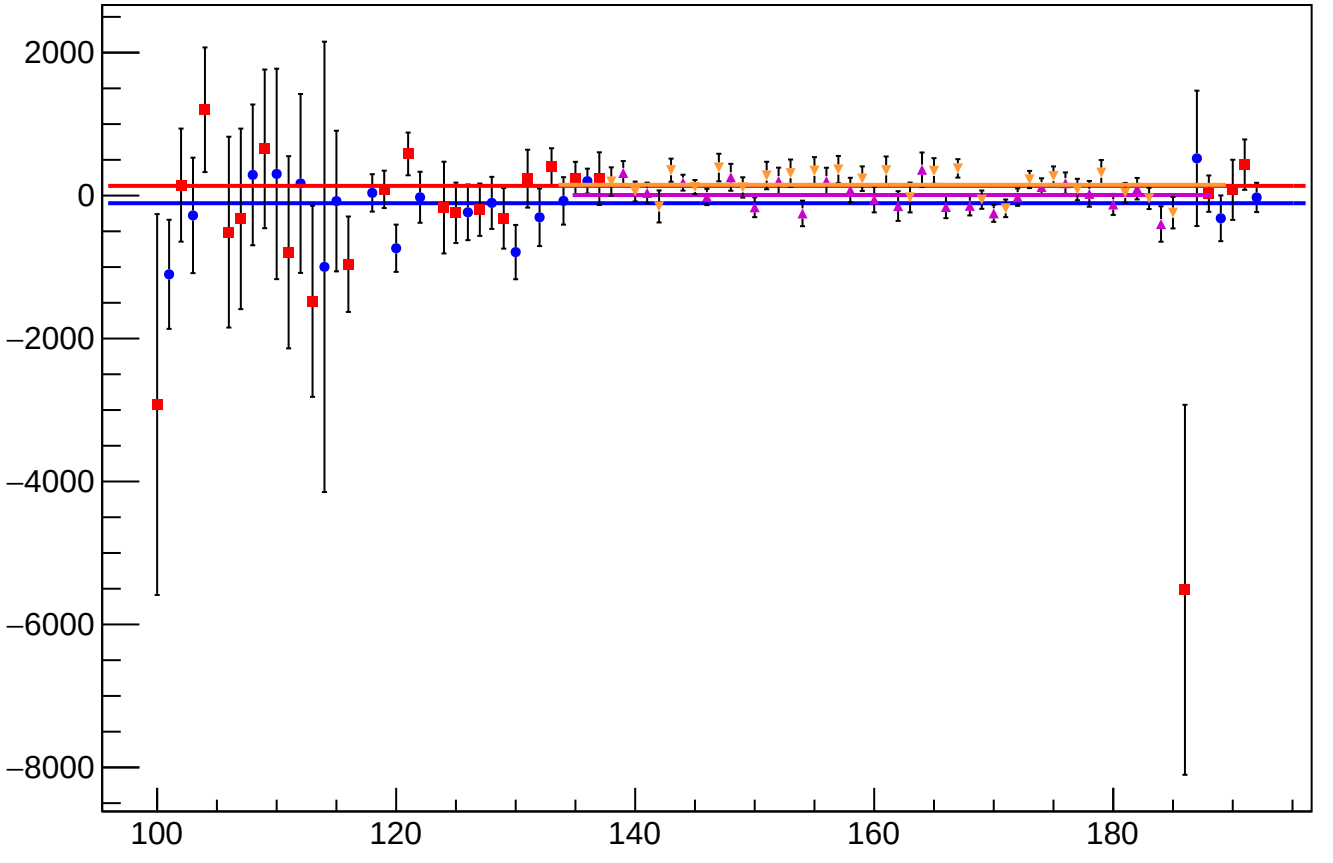
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

\+ sign 142.344+/-0.020 χ^2/NDF: 7026926.4/43

All: 142.297+/-0.015 χ^2/NDF: 14988464.5/89

\- sign 142.247+/-0.021 χ^2/NDF: 7961527.0/45

asym_sam_37_26_dd_mean vs Slug



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

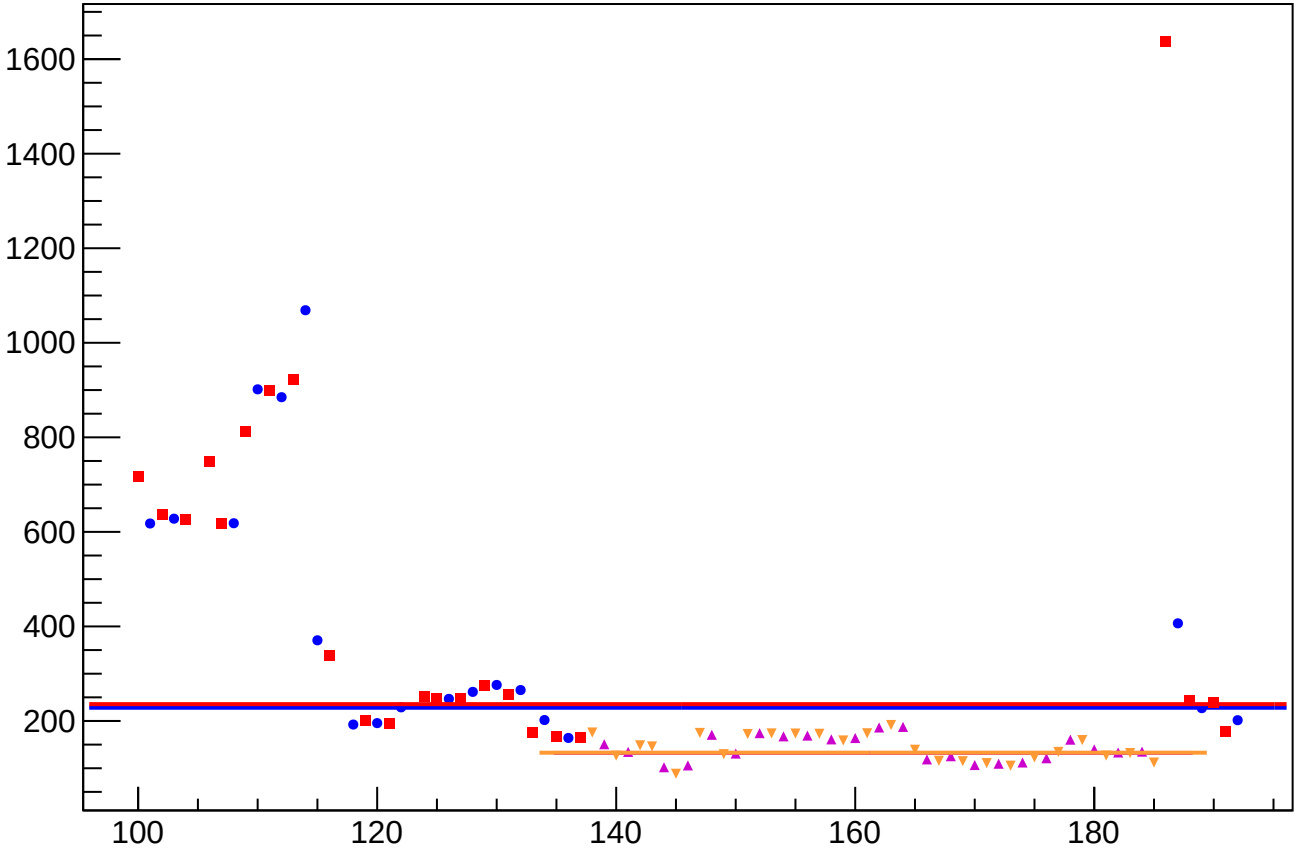
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 120.239+/-29.040 χ^2/NDF: 55.3/43

All: 72.634+/-20.775 χ^2/NDF: 112.4/89

- sign 22.726+/-29.734 χ^2/NDF: 51.7/45

asym_sam_37_26_dd_rms vs Slug



Right In: 228.027+/-0.059 χ^2/NDF: 2993277.4/18

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

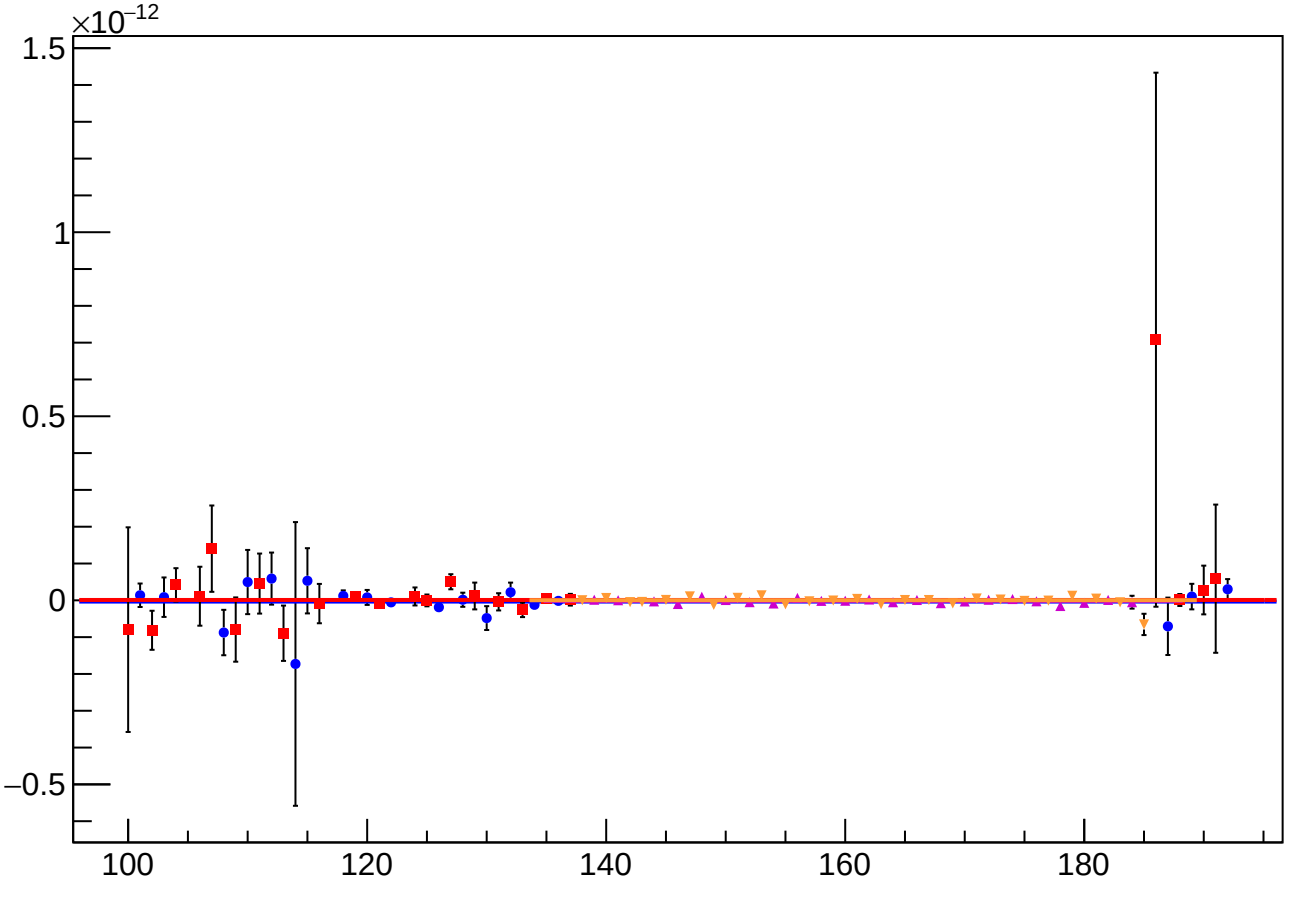
Right Out: 235.635+/-0.062 χ^2/NDF: 4163470.9/22

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 144.267+/-0.021 χ^2/NDF: 6848478.0/43

All: 144.285+/-0.015 χ^2/NDF: 14761108.8/89

- sign 144.303+/-0.021 χ^2/NDF: 7912629.3/45



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

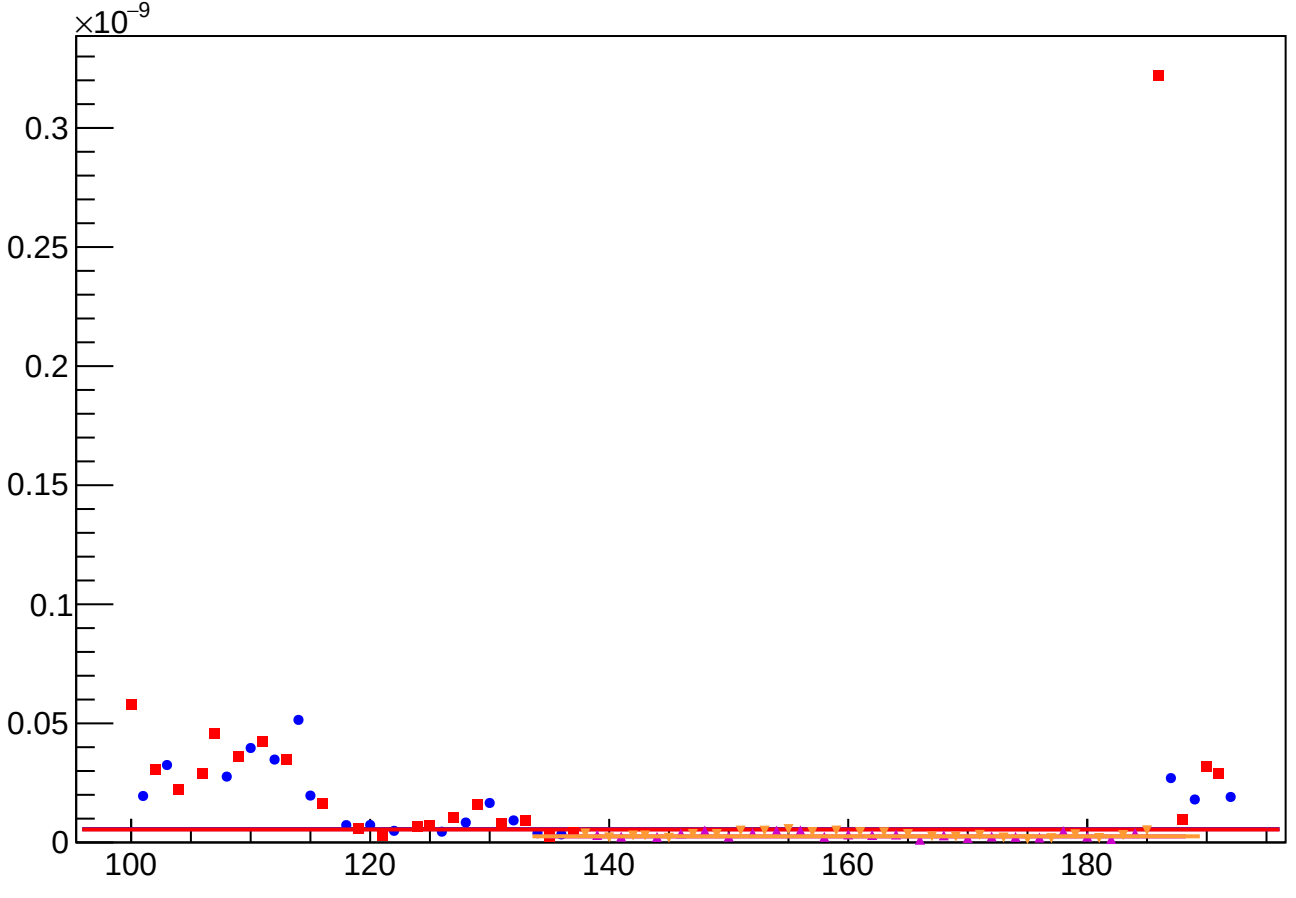
Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/22

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.0/43

All: -0.000+/-0.000 χ^2/NDF: 82.1/89

- sign -0.000+/-0.000 χ^2/NDF: 34.5/45



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

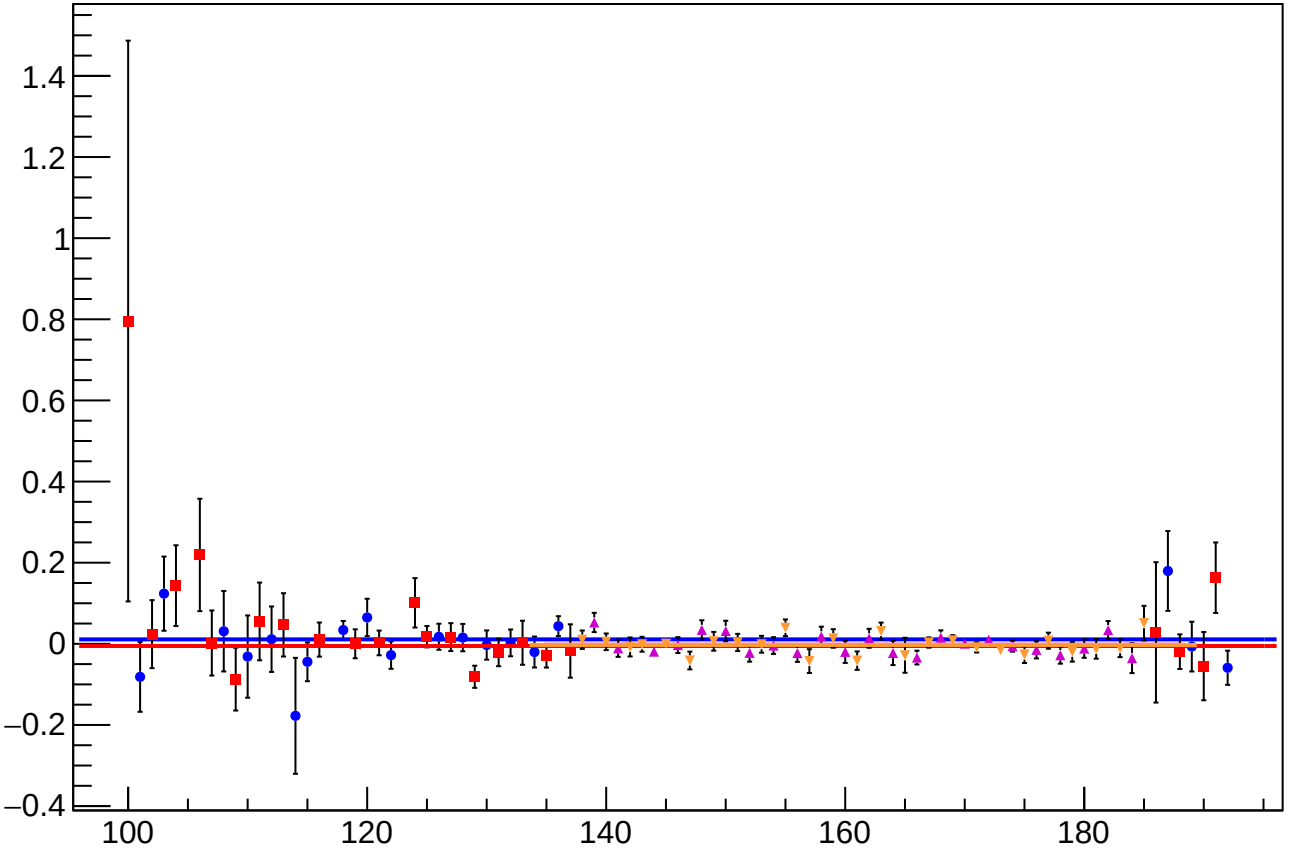
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6993868.9/43

All: 0.000+/-0.000 χ^2/NDF: 13709742.4/89

- sign 0.000+/-0.000 χ^2/NDF: 6711197.6/45

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



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

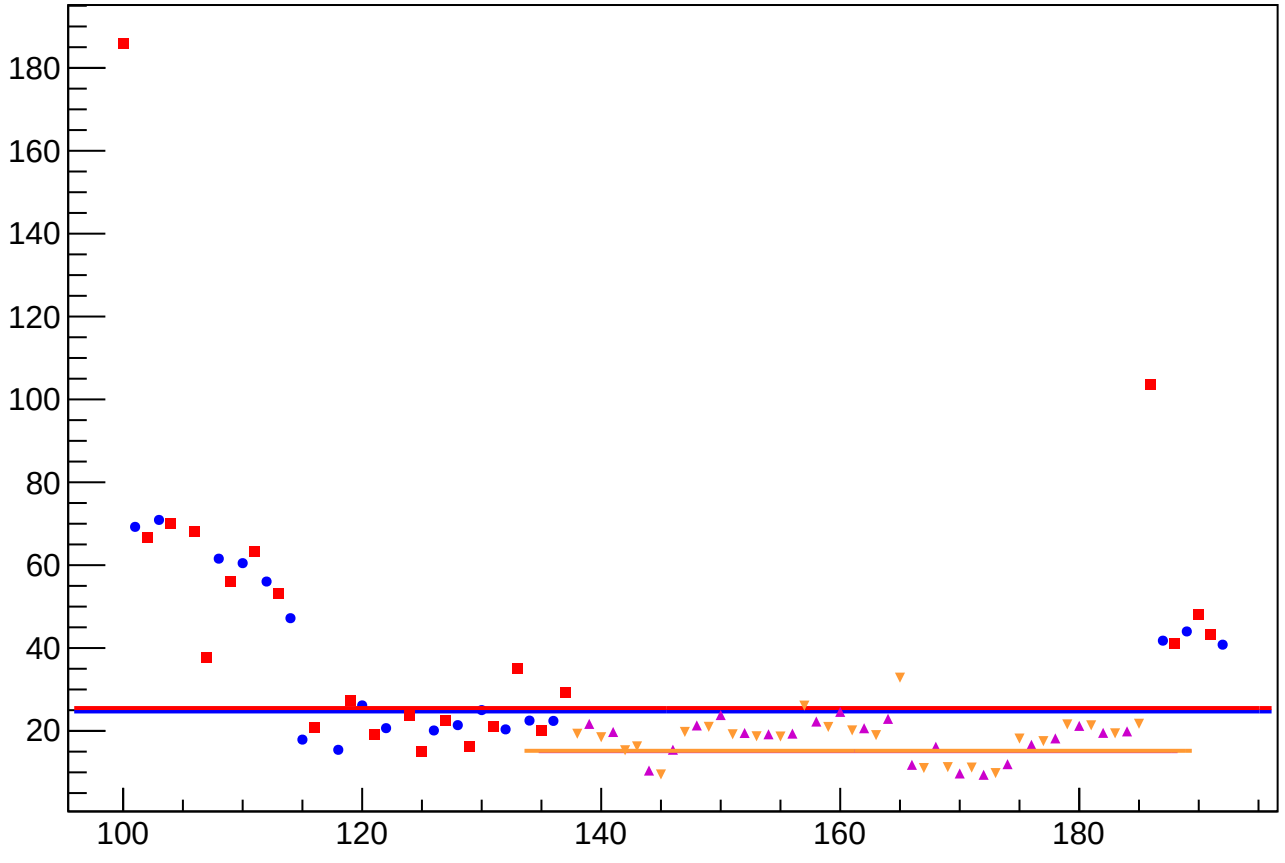
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.7/43

All: -0.002+/-0.002 χ^2/NDF: 95.5/89

- sign -0.003+/-0.004 χ^2/NDF: 52.7/45

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



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

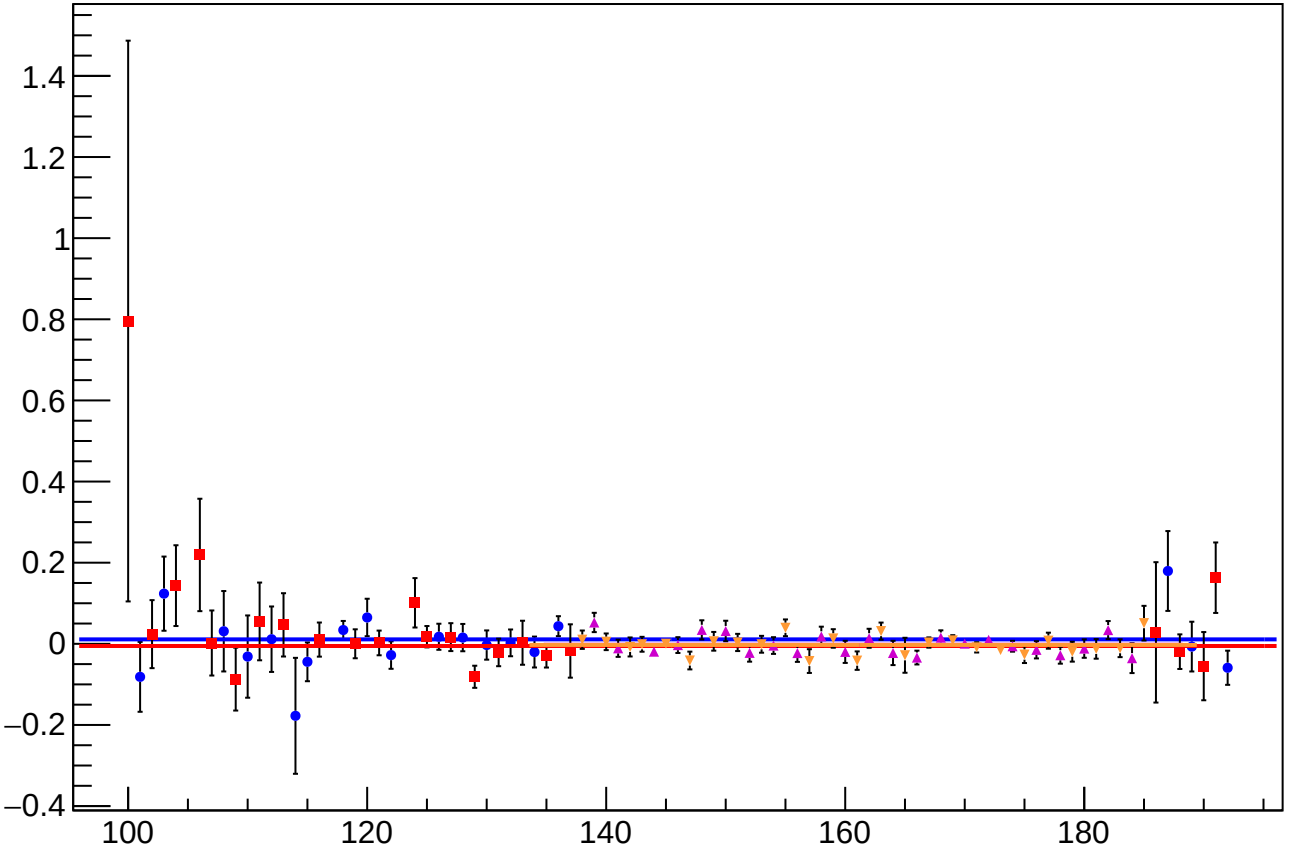
Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.472+/-0.002 χ^2/NDF: 8206002.0/43

All: 16.498+/-0.002 χ^2/NDF: 17470079.4/89

- sign 16.527+/-0.003 χ^2/NDF: 9263824.7/45

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011+/-0.009 χ^2/NDF: 18.2/18

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

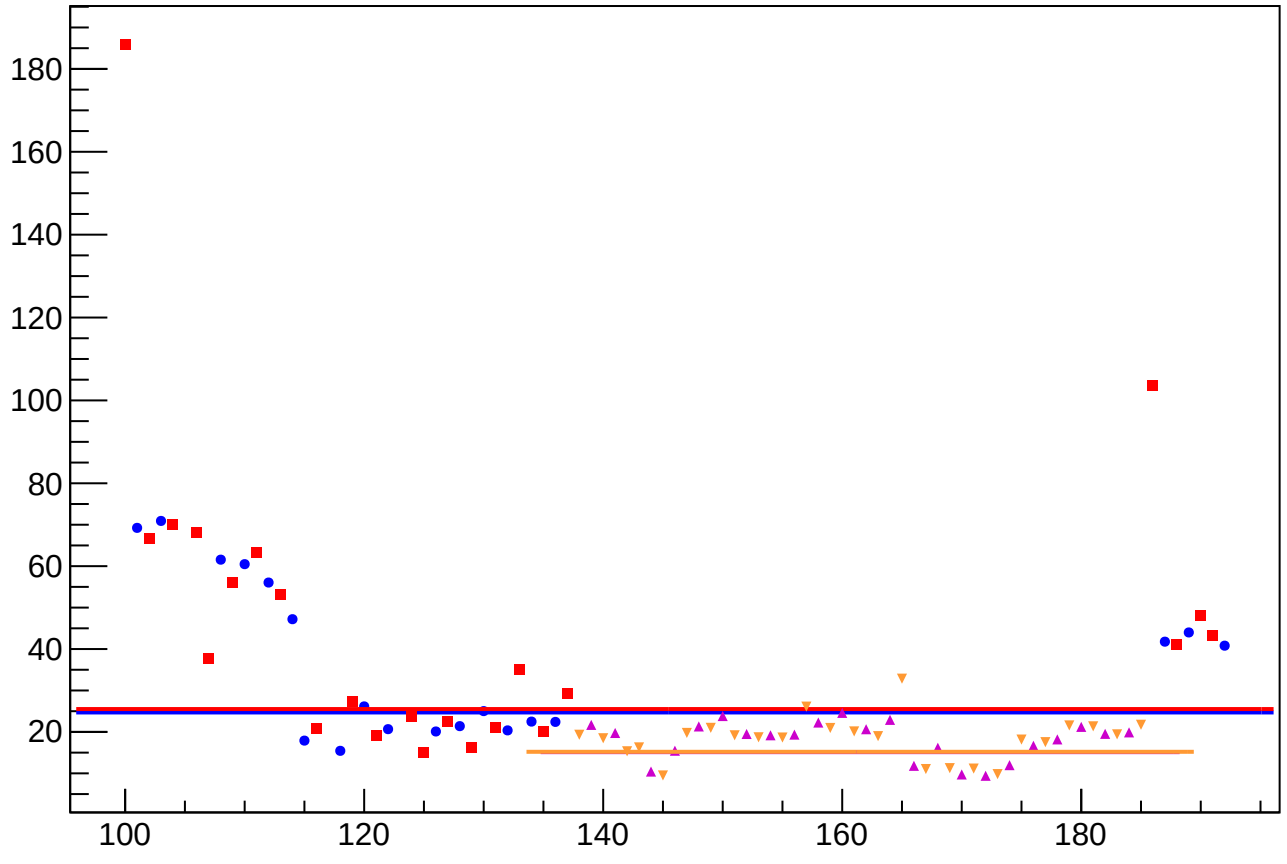
Right Out: -0.005+/-0.010 χ^2/NDF: 25.7/22

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.7/43

All: -0.002+/-0.002 χ^2/NDF: 95.5/89

- sign -0.003+/-0.004 χ^2/NDF: 52.7/45



Right In: 24.695+/-0.007 χ^2/NDF: 3007709.1/18

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

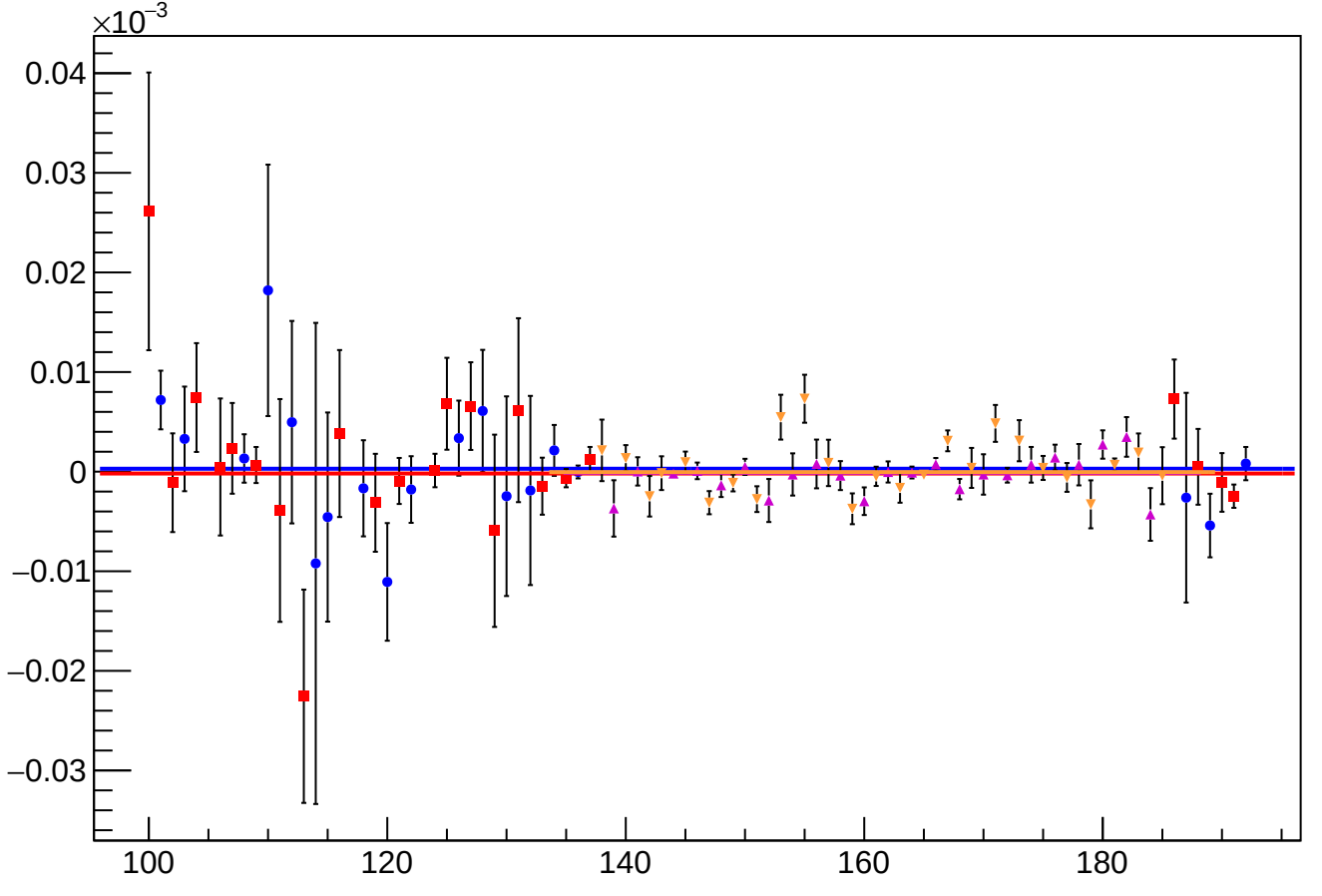
Right Out: 25.517+/-0.007 χ^2/NDF: 3856140.0/22

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

\+ sign 16.472+/-0.002 χ^2/NDF: 8206002.0/43

All: 16.498+/-0.002 χ^2/NDF: 17470079.4/89

\- sign 16.527+/-0.003 χ^2/NDF: 9263824.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

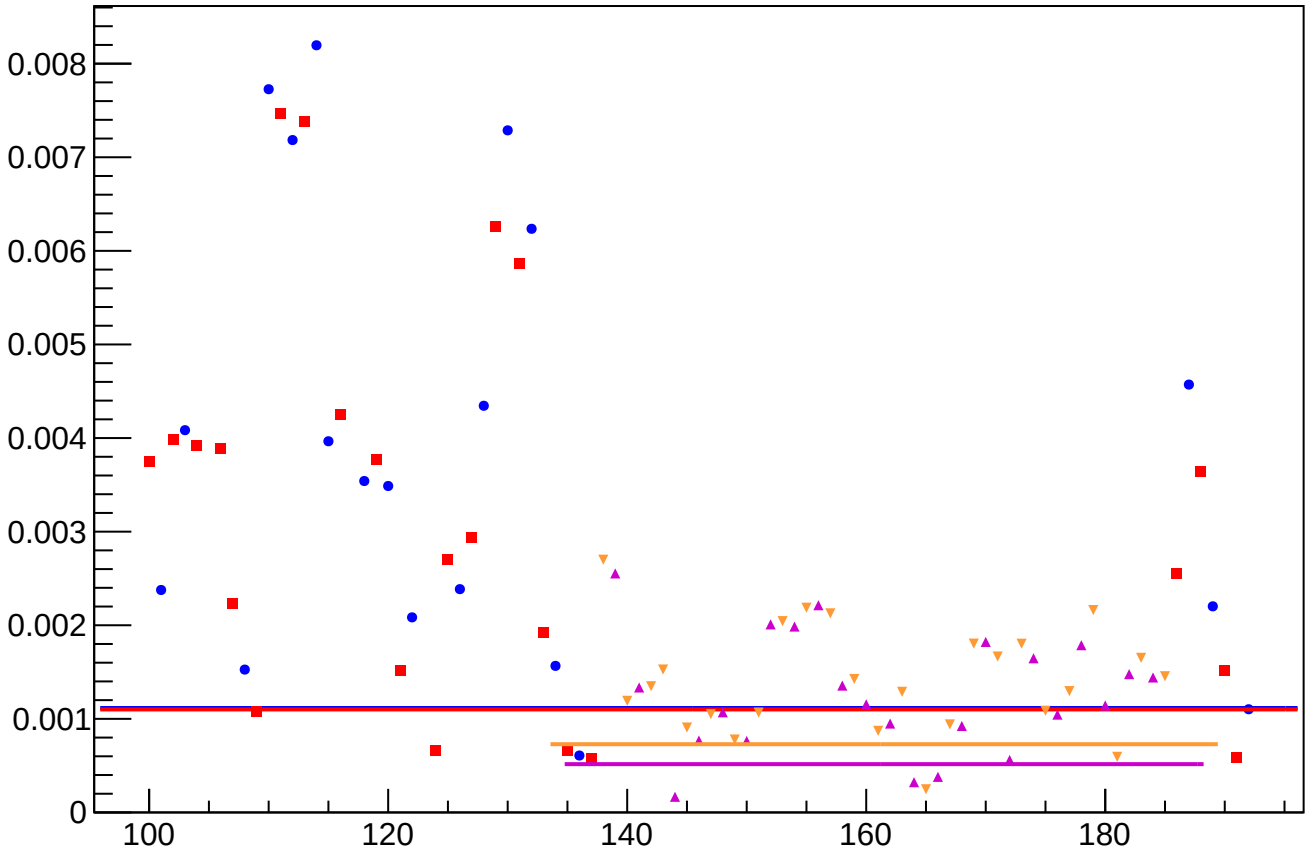
Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/22

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.9/43

All: -0.000+/-0.000 χ^2/NDF: 133.4/89

- sign -0.000+/-0.000 χ^2/NDF: 51.3/45



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

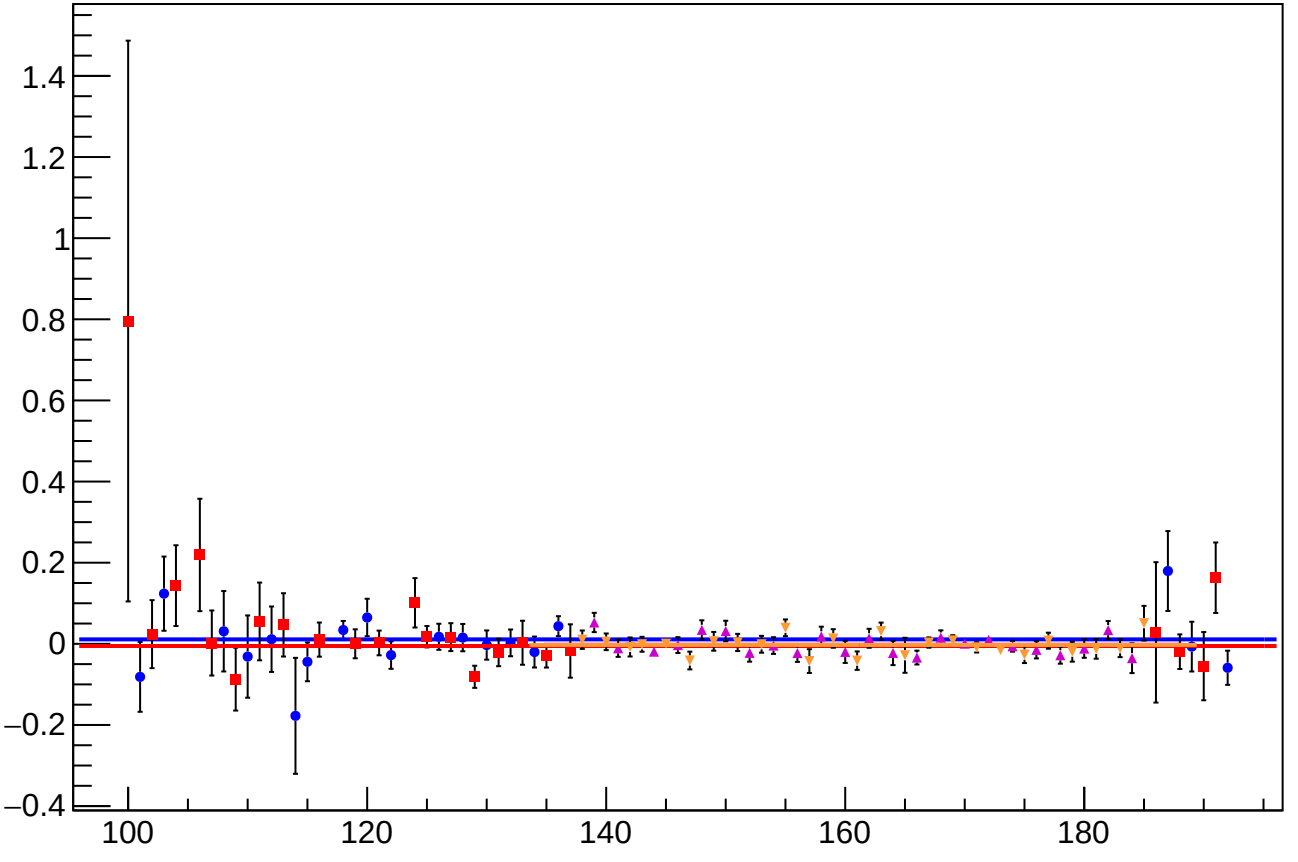
Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 21565022.6/43

All: 0.001+/-0.000 χ^2/NDF: 48690039.8/89

- sign 0.001+/-0.000 χ^2/NDF: 25879612.8/45

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.011+/-0.009 χ^2/NDF: 18.2/18

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

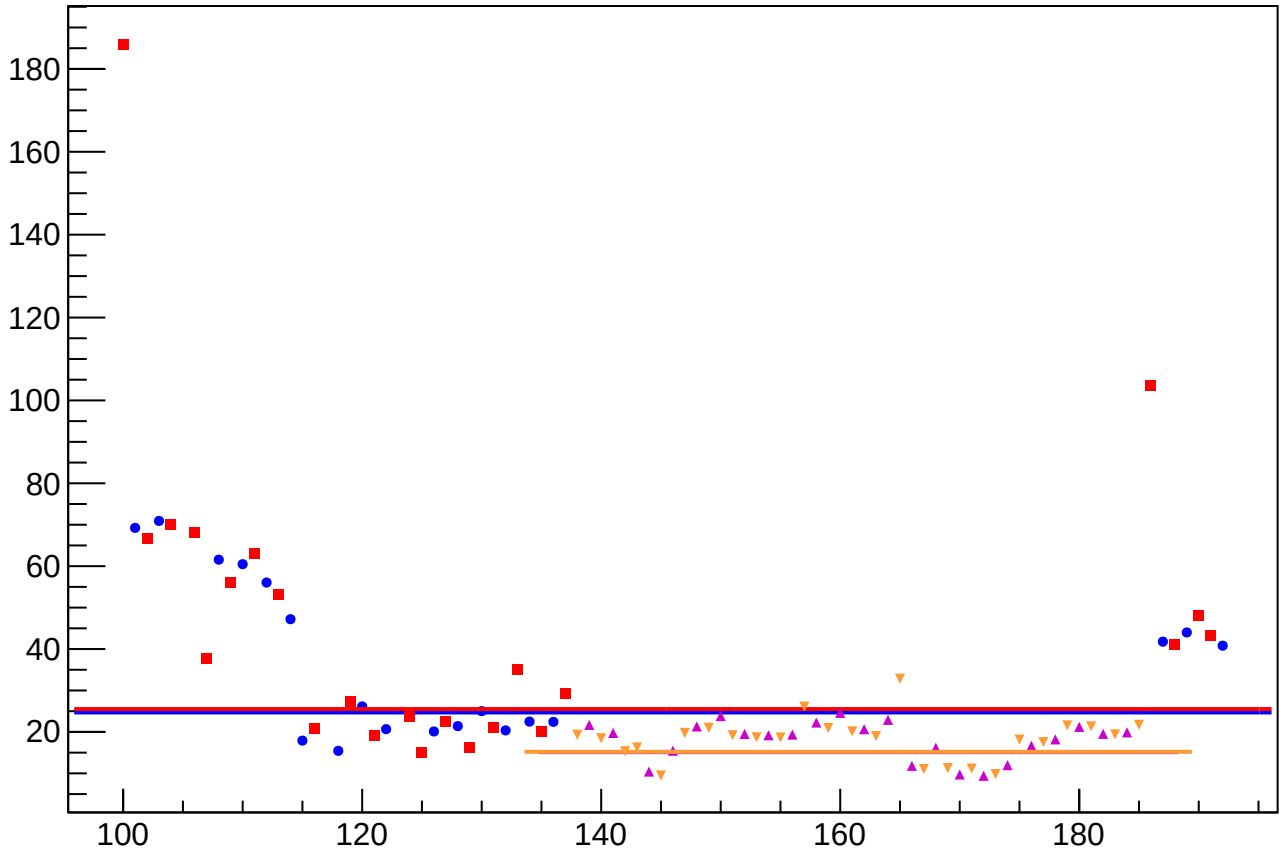
Right Out: -0.005+/-0.010 χ^2/NDF: 25.7/22

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.7/43

All: -0.002+/-0.002 χ^2/NDF: 95.5/89

- sign -0.003+/-0.004 χ^2/NDF: 52.7/45



Right In: 24.694+/-0.007 χ^2/NDF: 3007846.7/18

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

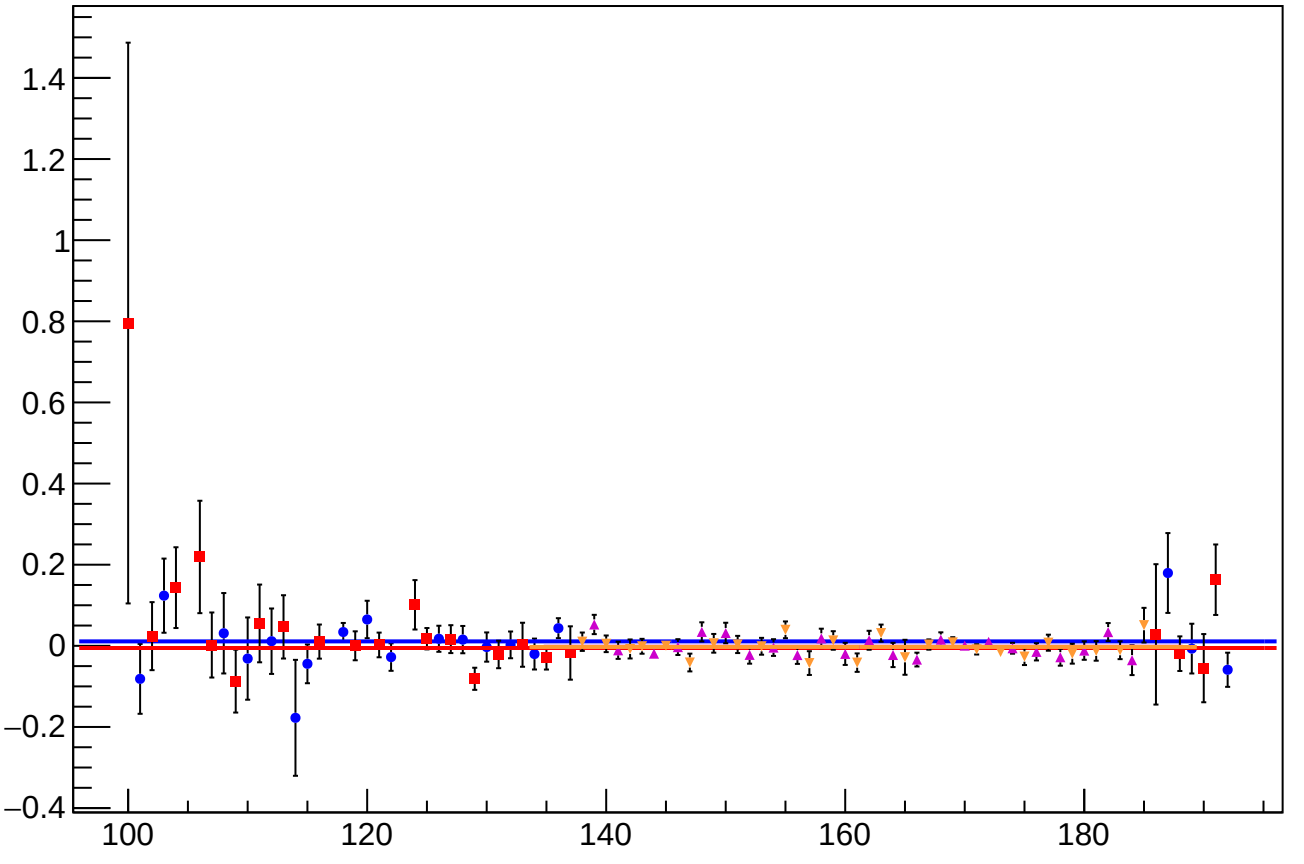
Right Out: 25.517+/-0.007 χ^2/NDF: 3856171.2/22

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.472+/-0.002 χ^2/NDF: 8205862.2/43

All: 16.499+/-0.002 χ^2/NDF: 17469807.9/89

- sign 16.527+/-0.003 χ^2/NDF: 9263692.3/45



Right In: 0.011+/-0.009 χ^2/NDF: 18.2/18

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

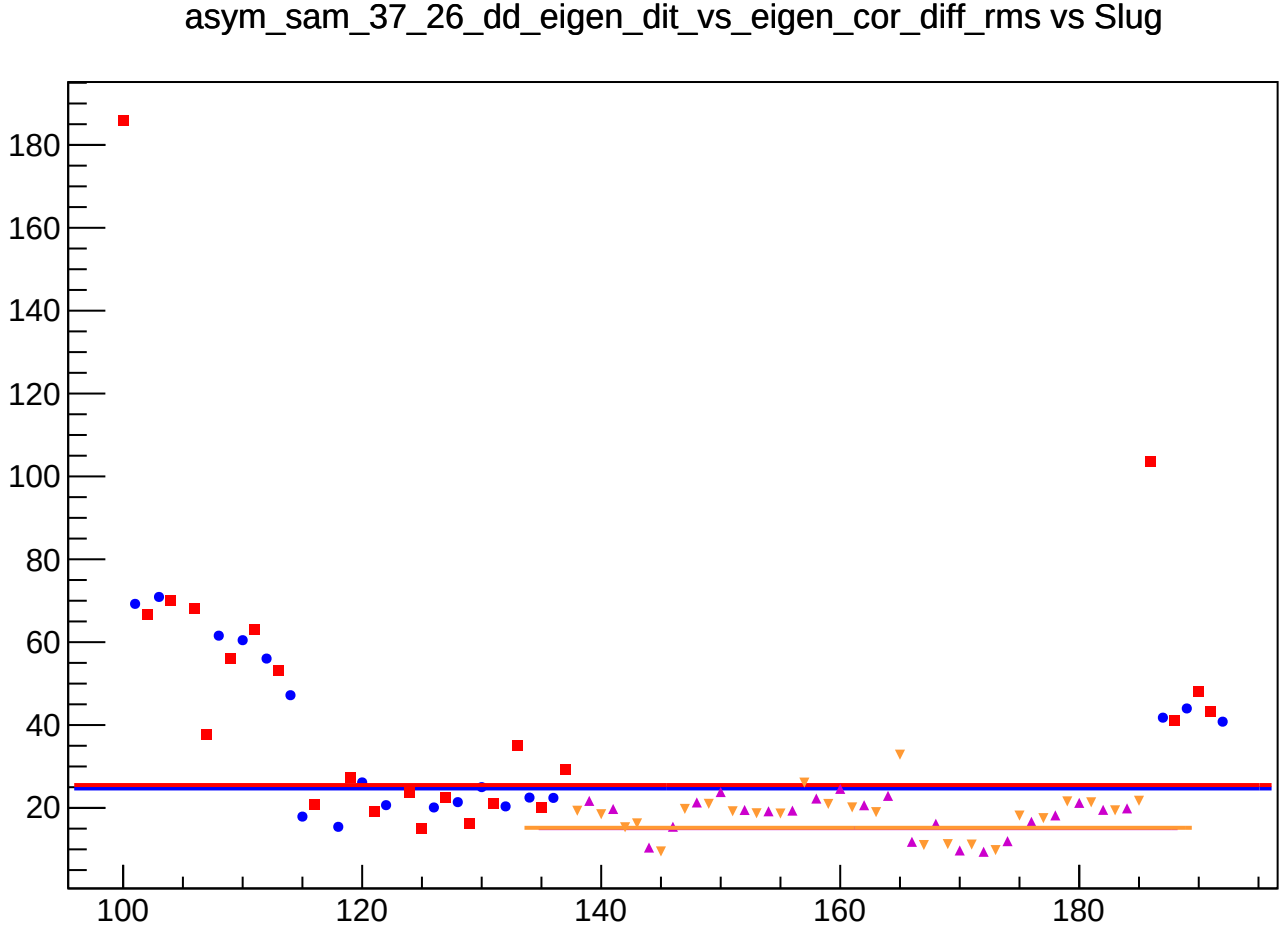
Right Out: -0.005+/-0.010 χ^2/NDF: 25.7/22

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.7/43

All: -0.002+/-0.002 χ^2/NDF: 95.5/89

- sign -0.003+/-0.004 χ^2/NDF: 52.7/45



Right In: 24.694+/-0.007 χ^2/NDF: 3007846.7/18

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

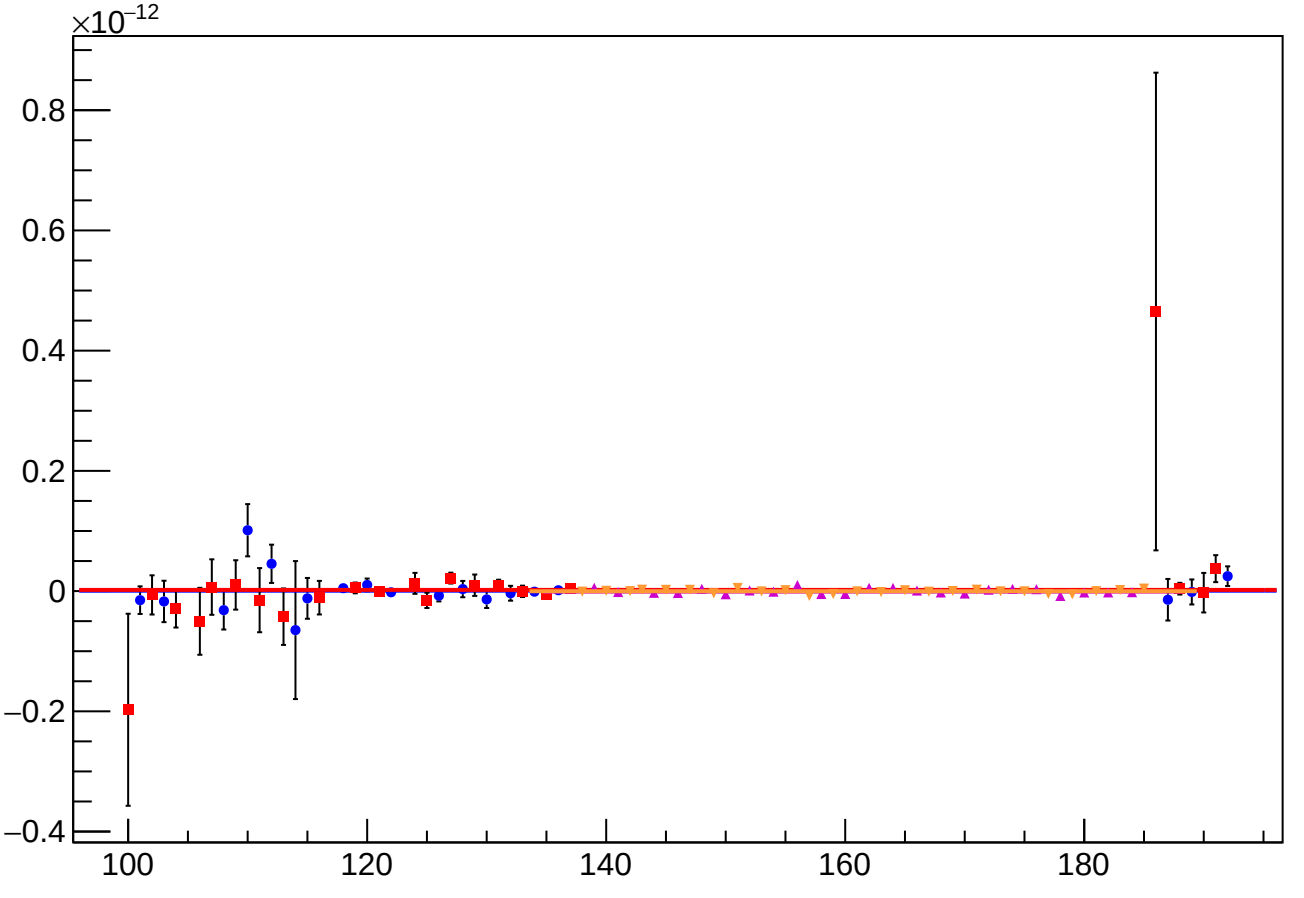
Right Out: 25.517+/-0.007 χ^2/NDF: 3856171.2/22

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.472+/-0.002 χ^2/NDF: 8205862.2/43

All: 16.499+/-0.002 χ^2/NDF: 17469807.9/89

- sign 16.527+/-0.003 χ^2/NDF: 9263692.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

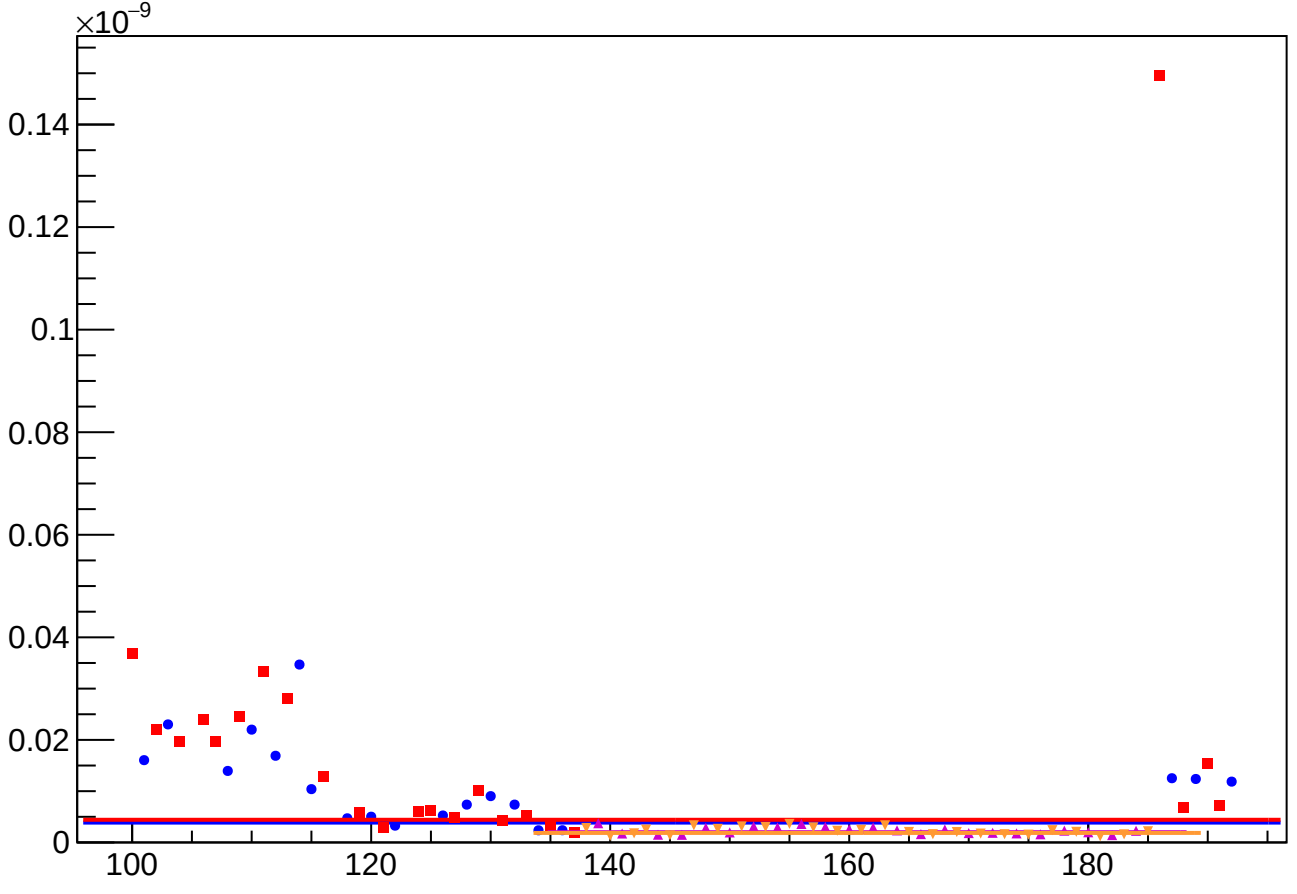
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/22

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.9/43

All: -0.000+/-0.000 χ^2/NDF: 97.8/89

- sign -0.000+/-0.000 χ^2/NDF: 60.5/45



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

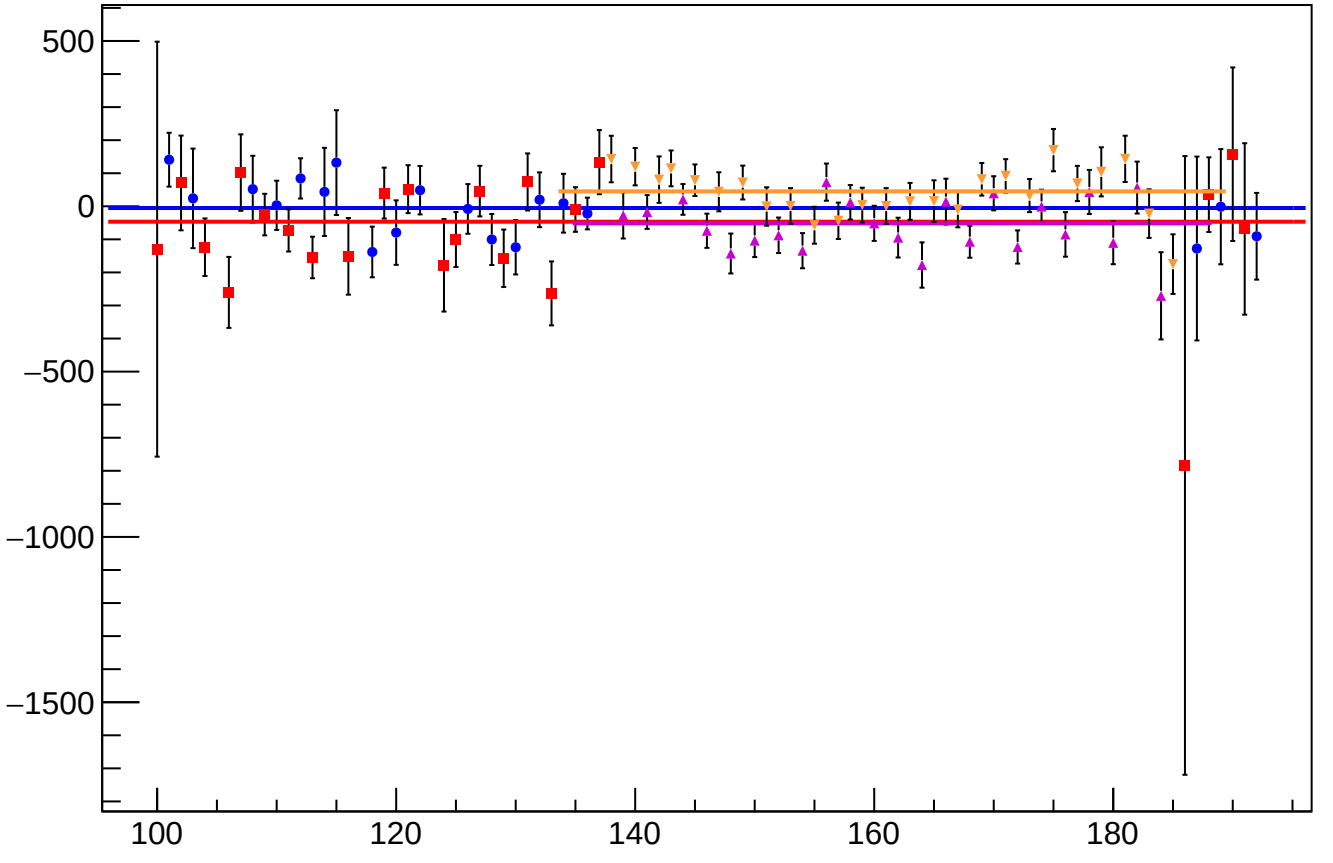
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9047474.3/43

All: 0.000+/-0.000 χ^2/NDF: 18320115.2/89

- sign 0.000+/-0.000 χ^2/NDF: 9183385.5/45

reg_asym_sam_1357_avg_mean vs Slug



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

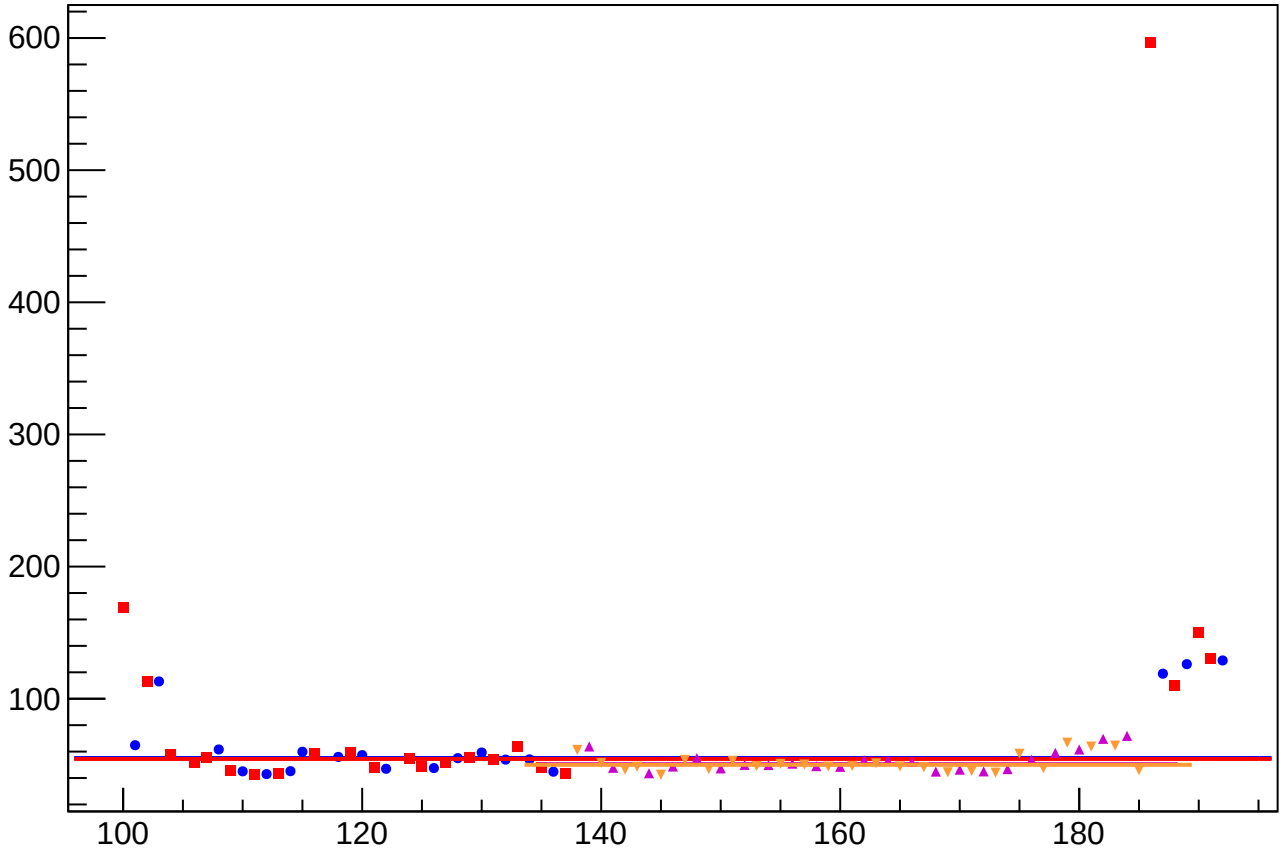
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 32.218+/-9.914 χ^2/NDF: 51.5/43

All: -8.098+/-7.087 χ^2/NDF: 152.3/89

- sign -50.235+/-10.136 χ^2/NDF: 67.0/45

reg_asym_sam_1357_avg_rms vs Slug



Right In: 55.112+/-0.014 χ^2/NDF: 1680228.0/18

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

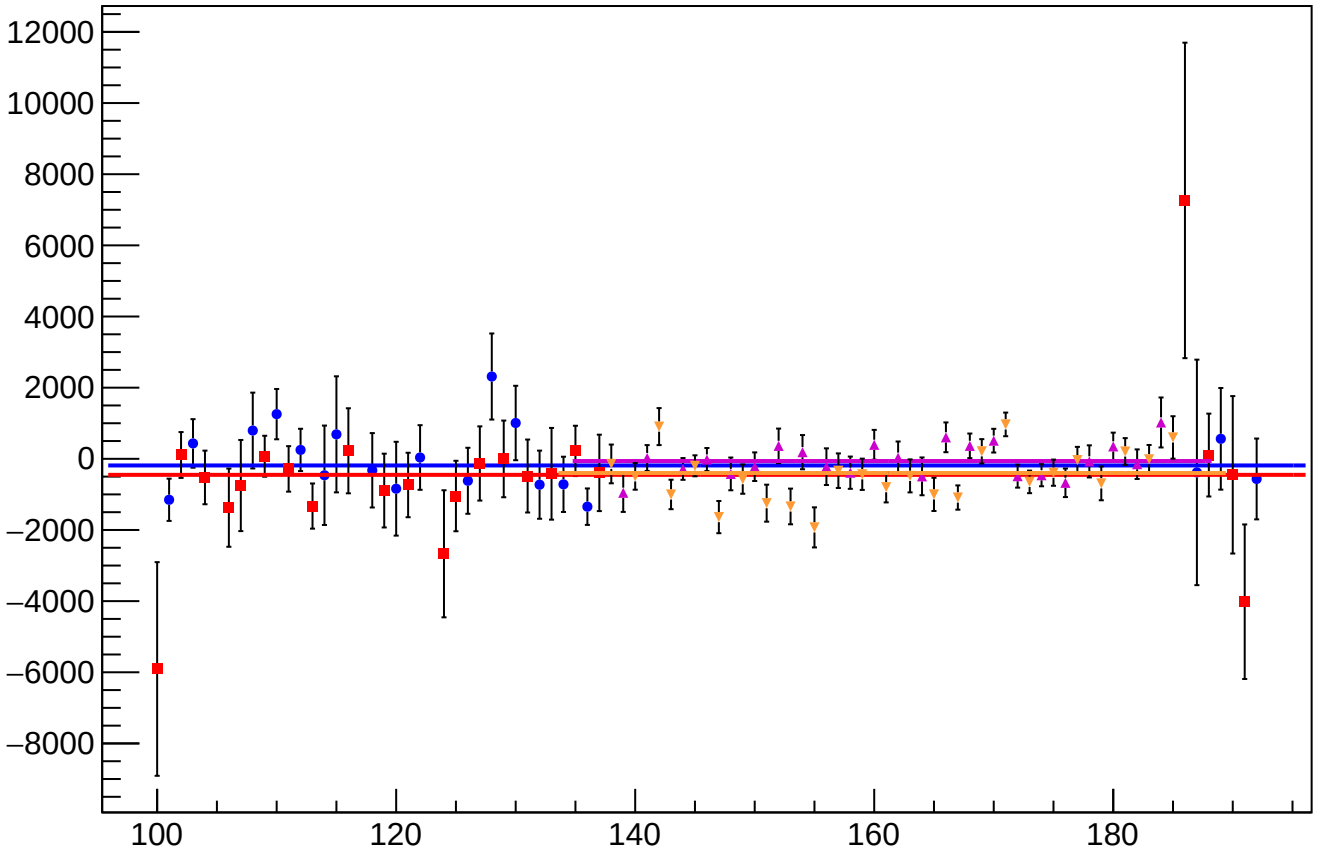
Right Out: 54.441+/-0.014 χ^2/NDF: 2280248.5/22

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 51.325+/-0.007 χ^2/NDF: 2289791.2/43

All: 51.462+/-0.005 χ^2/NDF: 5134557.4/89

- sign 51.605+/-0.007 χ^2/NDF: 2843987.4/45



Right In: -186.315+/-200.110 χ^2/NDF: 21.7/18

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

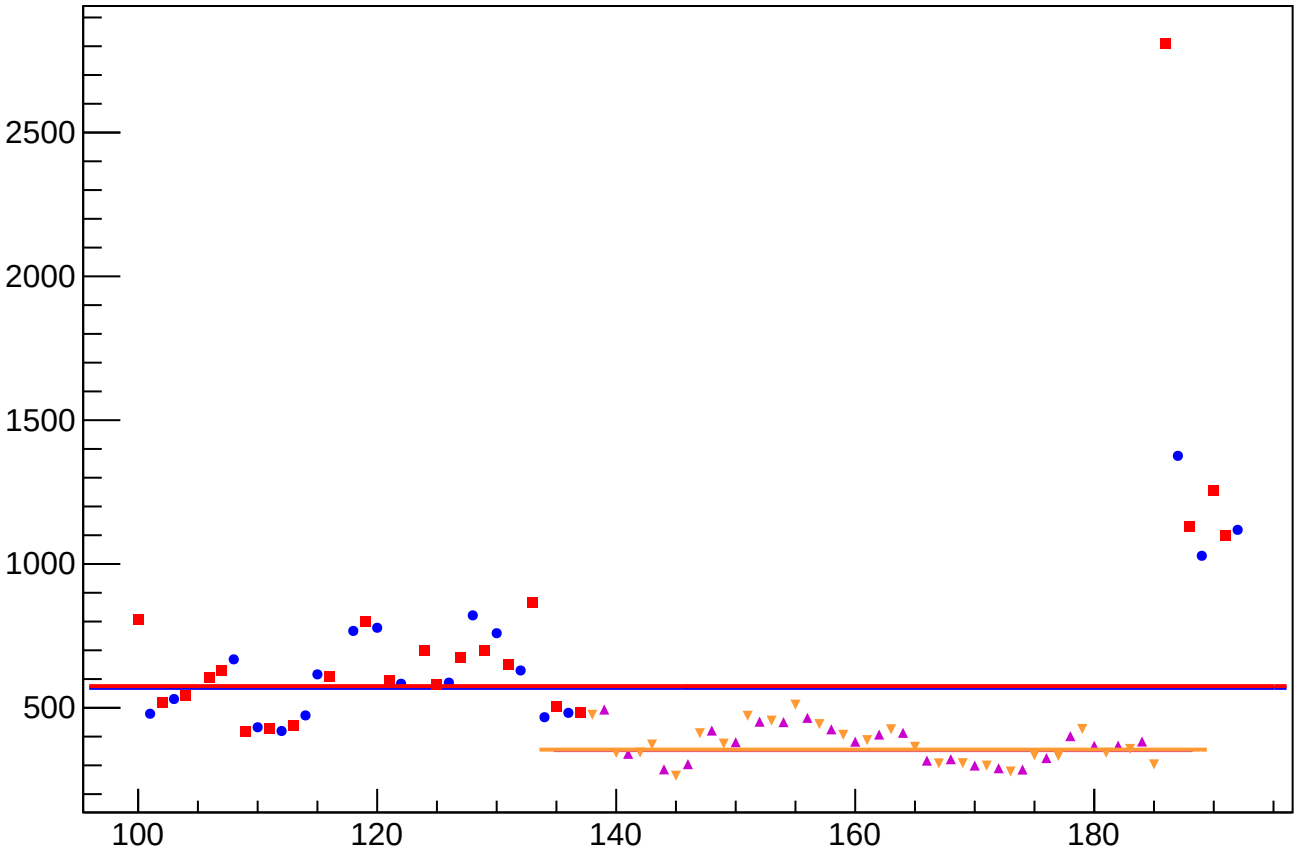
Right Out: -450.584+/-198.995 χ^2/NDF: 17.3/22

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -368.692+/-75.927 χ^2/NDF: 88.1/43

All: -246.910+/-54.169 χ^2/NDF: 137.8/89

- sign -120.673+/-77.303 χ^2/NDF: 44.4/45



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

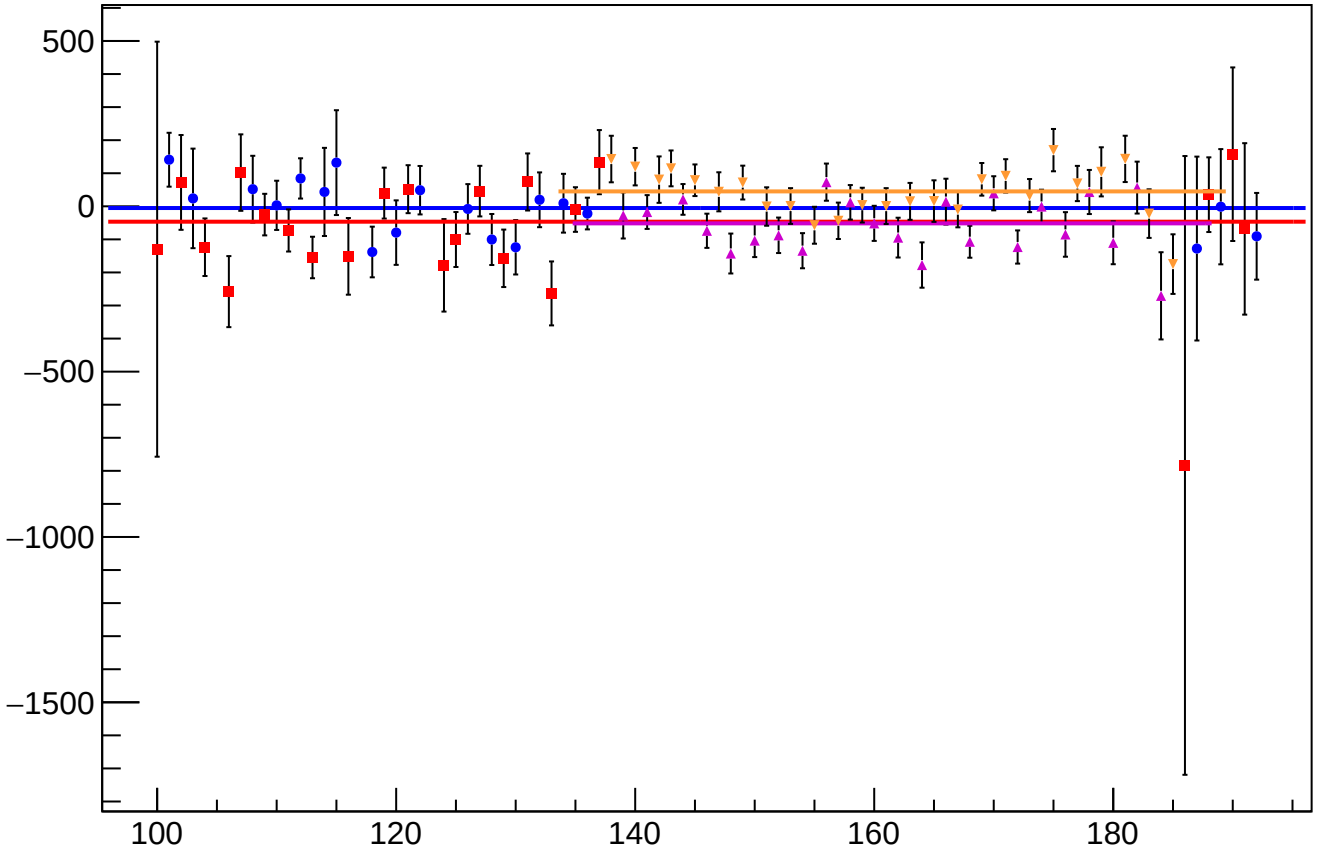
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

\+ sign 385.587+/-0.054 χ^2/NDF: 4580343.6/43

All: 386.114+/-0.038 χ^2/NDF: 9661022.5/89

\- sign 386.660+/-0.055 χ^2/NDF: 5080483.0/45

cor_asym_sam_1357_avg_mean vs Slug



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

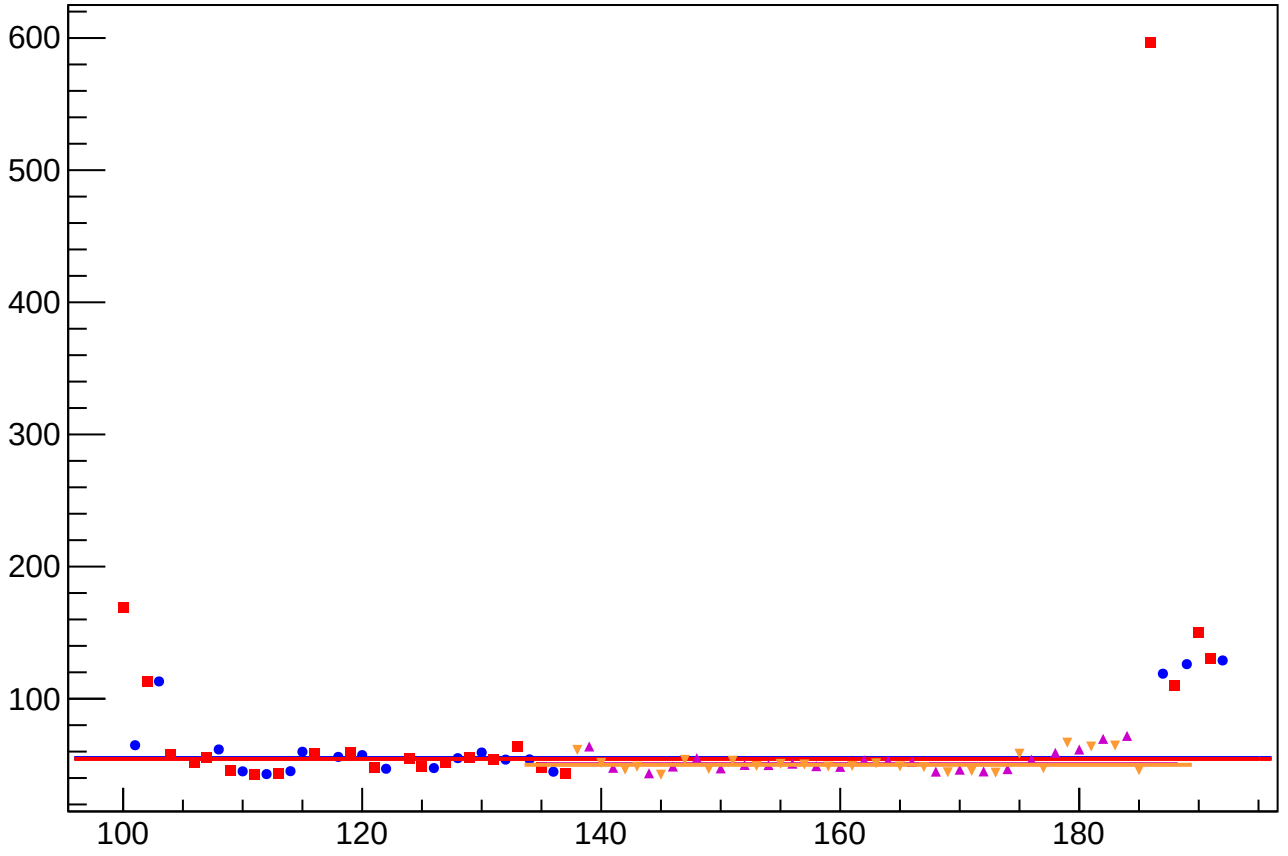
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.219+/-9.914 χ^2/NDF: 51.5/43

All: -8.081+/-7.087 χ^2/NDF: 152.2/89

- sign -50.204+/-10.136 χ^2/NDF: 67.0/45

cor_asym_sam_1357_avg_rms vs Slug



Right In: 55.112+/-0.014 χ^2/NDF: 1680230.3/18

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

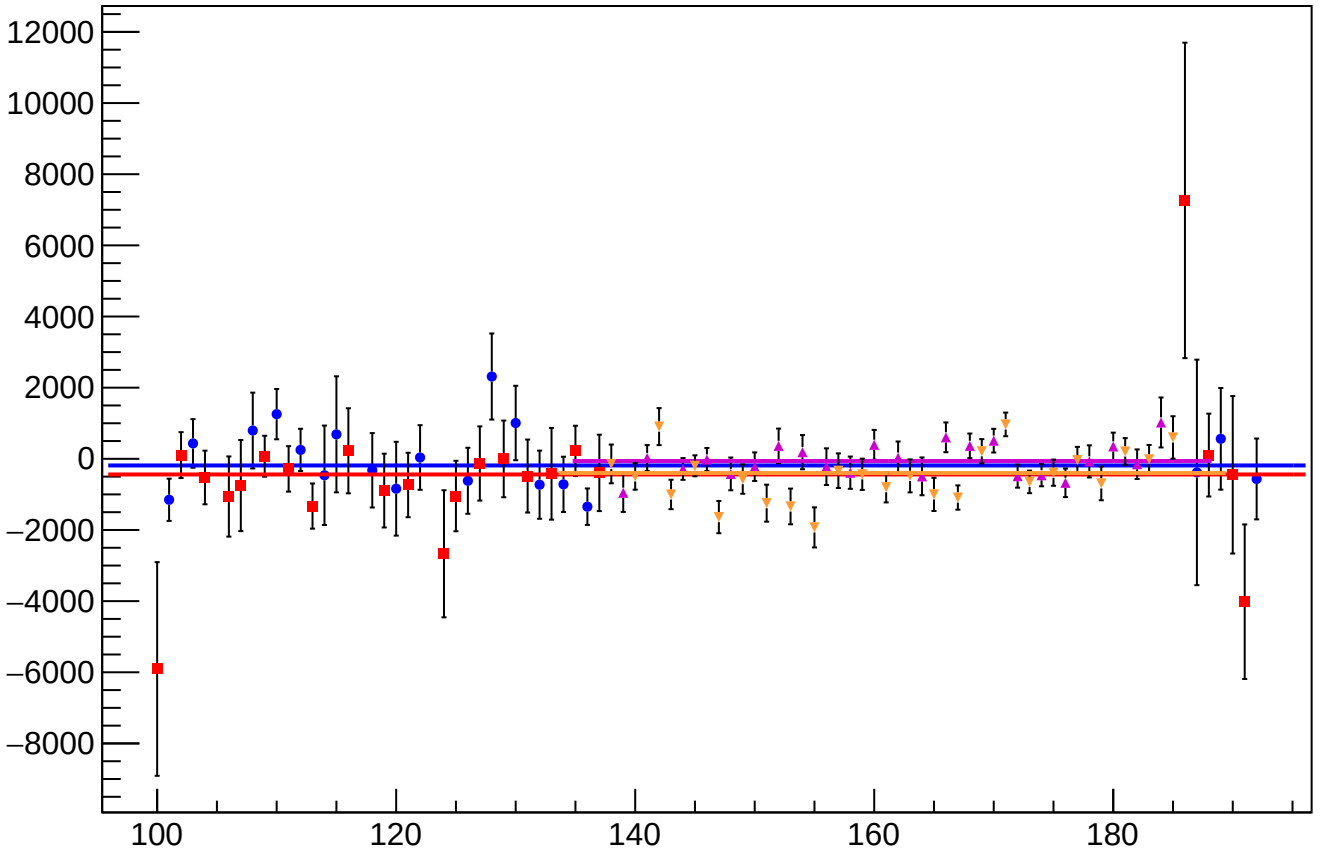
Right Out: 54.432+/-0.014 χ^2/NDF: 2280775.6/22

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 51.325+/-0.007 χ^2/NDF: 2289793.5/43

All: 51.460+/-0.005 χ^2/NDF: 5134770.5/89

- sign 51.602+/-0.007 χ^2/NDF: 2844213.5/45



Right In: -186.294+/-200.112 χ^2/NDF: 21.7/18

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

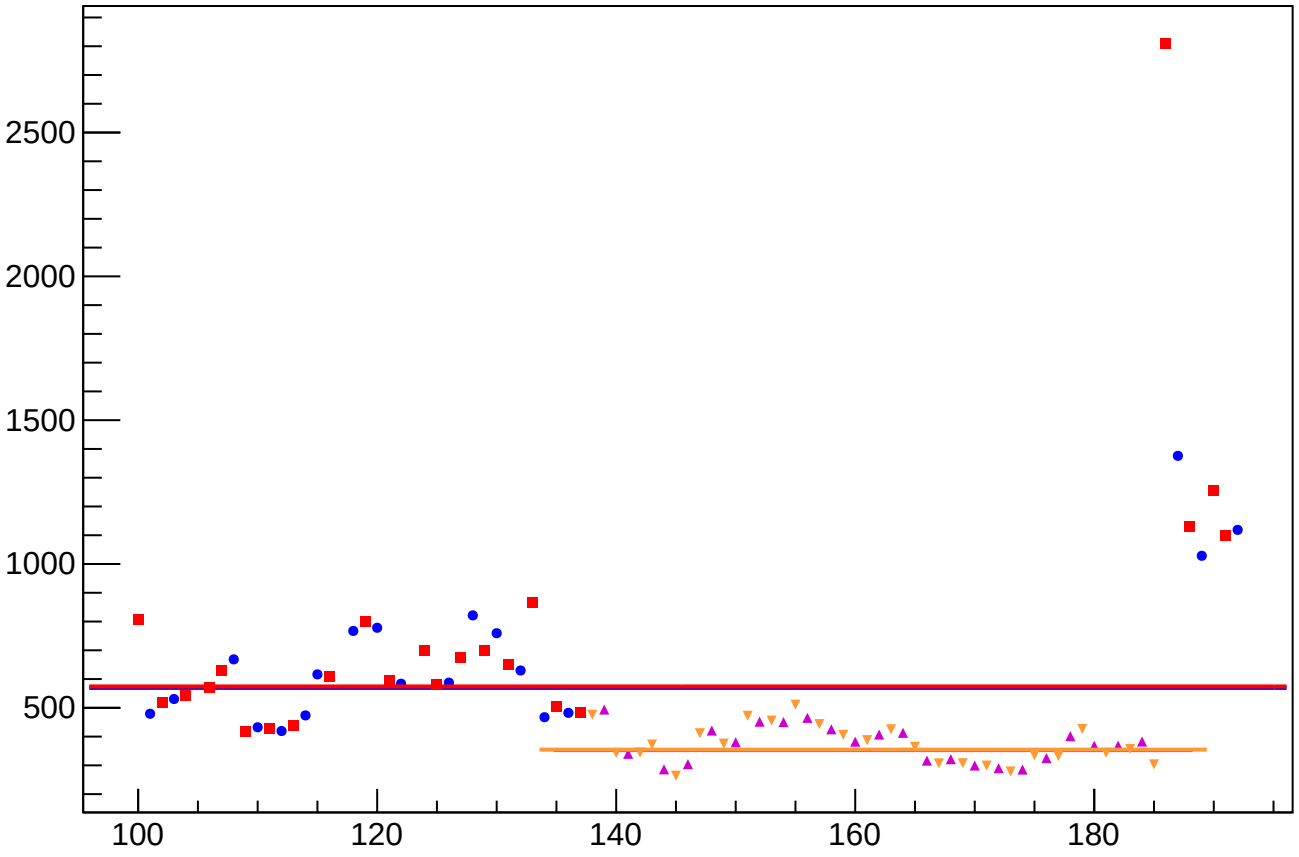
Right Out: -439.754+/-199.174 χ^2/NDF: 16.8/22

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -368.685+/-75.927 χ^2/NDF: 88.1/43

All: -246.078+/-54.172 χ^2/NDF: 137.2/89

- sign -118.951+/-77.314 χ^2/NDF: 43.8/45



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

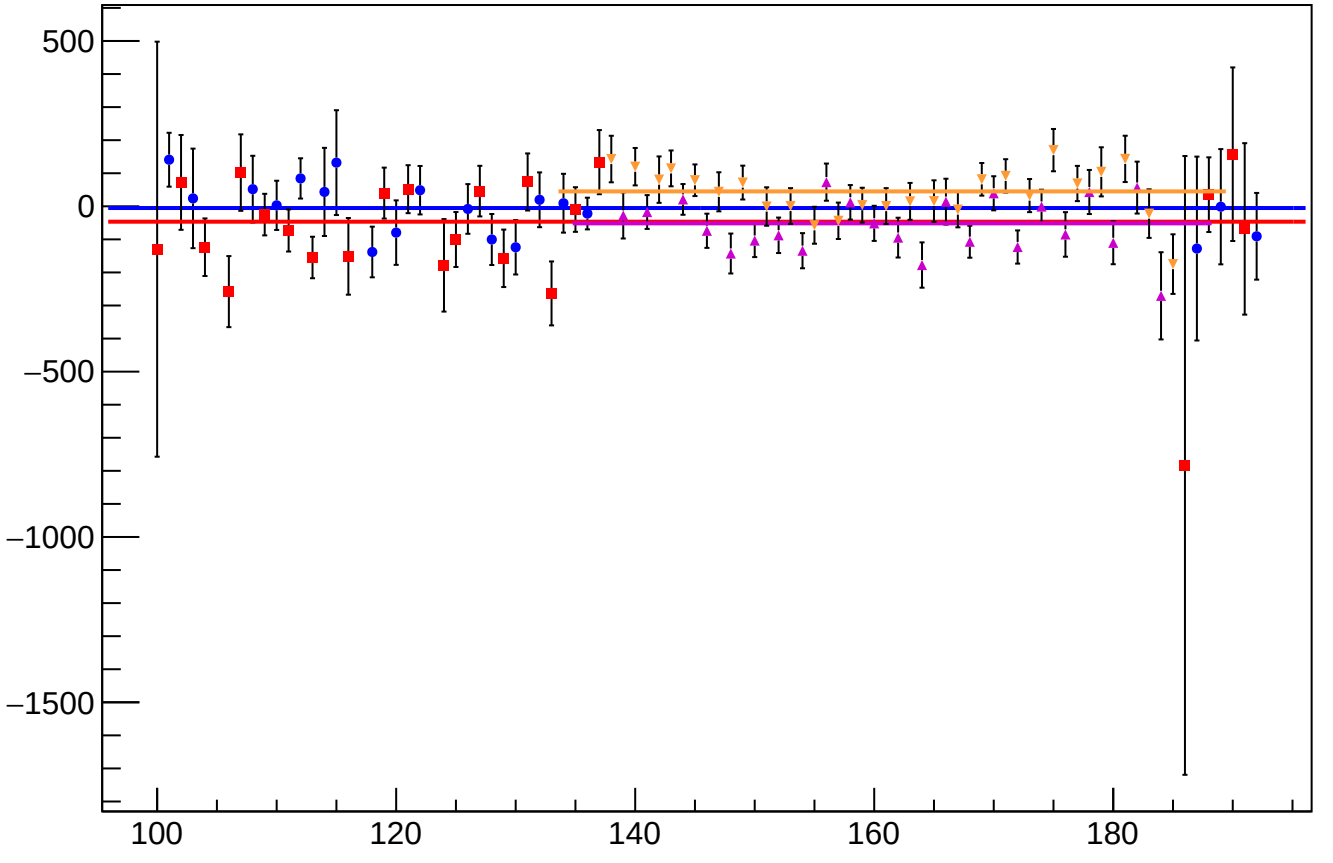
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 385.588+/-0.054 χ^2/NDF: 4580400.9/43

All: 386.007+/-0.038 χ^2/NDF: 9634991.1/89

- sign 386.443+/-0.055 χ^2/NDF: 5054465.7/45

eigen_cor_asym_sam_1357_avg_mean vs Slug



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

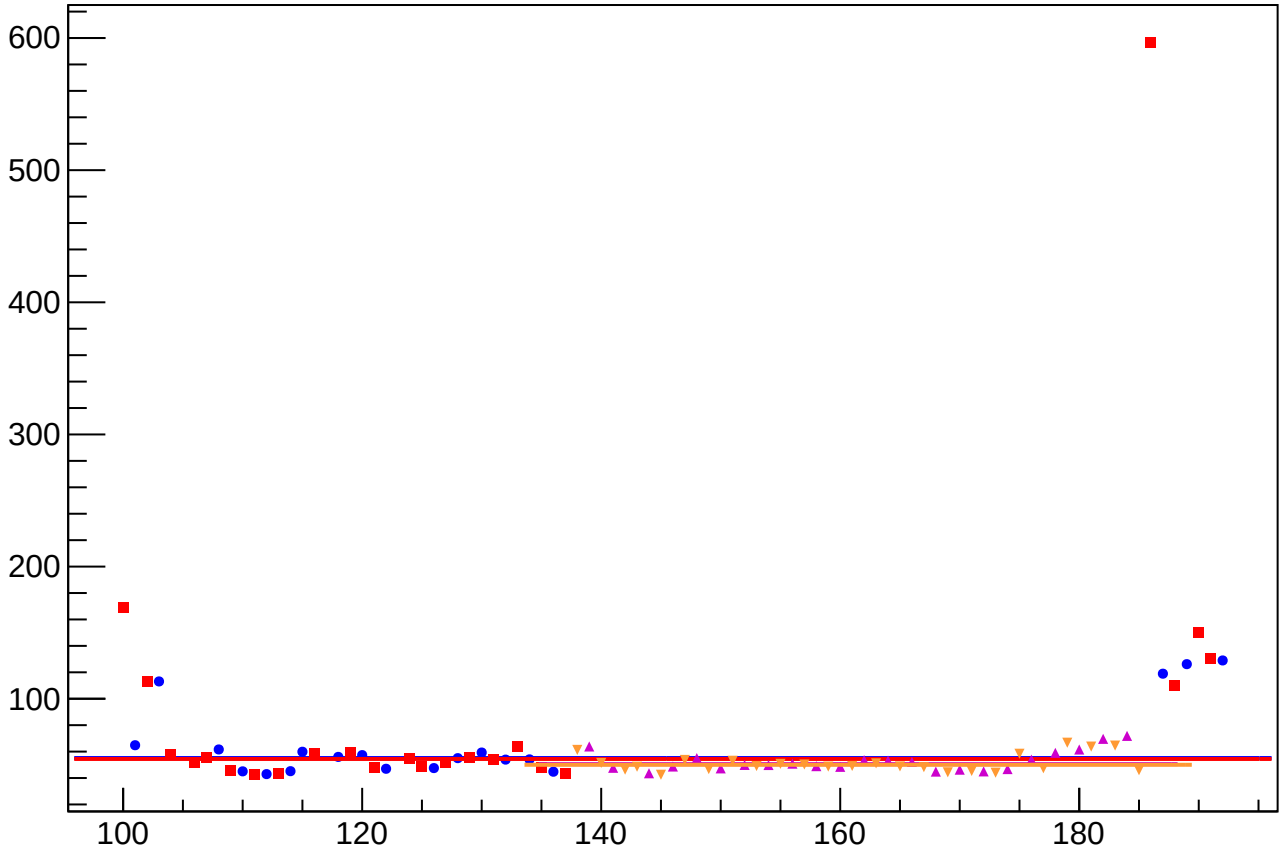
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.219+/-9.914 χ^2/NDF: 51.5/43

All: -8.081+/-7.087 χ^2/NDF: 152.2/89

- sign -50.204+/-10.136 χ^2/NDF: 67.0/45

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 55.112+/-0.014 χ^2/NDF: 1680230.3/18

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

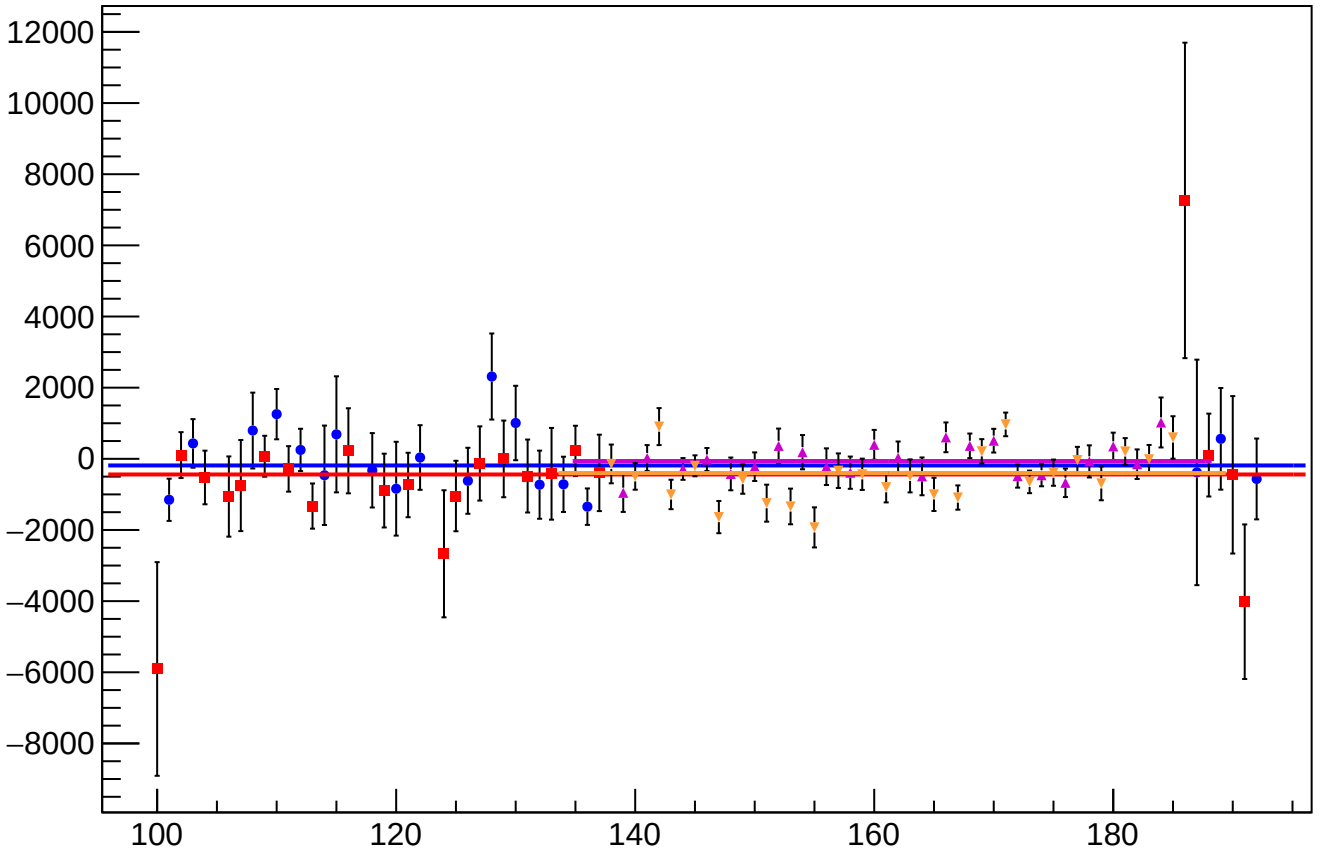
Right Out: 54.432+/-0.014 χ^2/NDF: 2280775.6/22

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 51.325+/-0.007 χ^2/NDF: 2289793.5/43

All: 51.460+/-0.005 χ^2/NDF: 5134770.5/89

- sign 51.602+/-0.007 χ^2/NDF: 2844213.5/45



Right In: -186.294+/-200.112 χ^2/NDF: 21.7/18

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

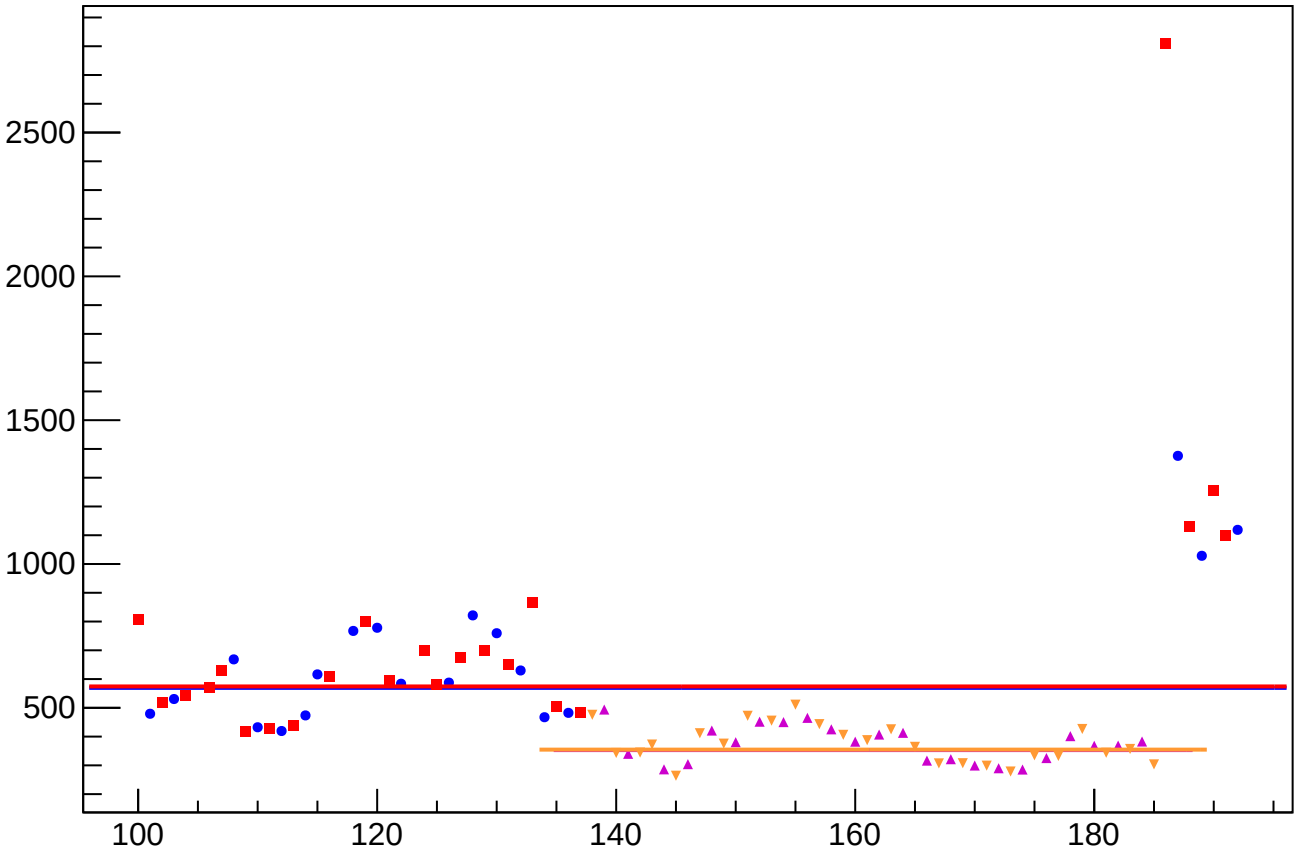
Right Out: -439.754+/-199.174 χ^2/NDF: 16.8/22

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -368.685+/-75.927 χ^2/NDF: 88.1/43

All: -246.078+/-54.172 χ^2/NDF: 137.2/89

- sign -118.951+/-77.314 χ^2/NDF: 43.8/45



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

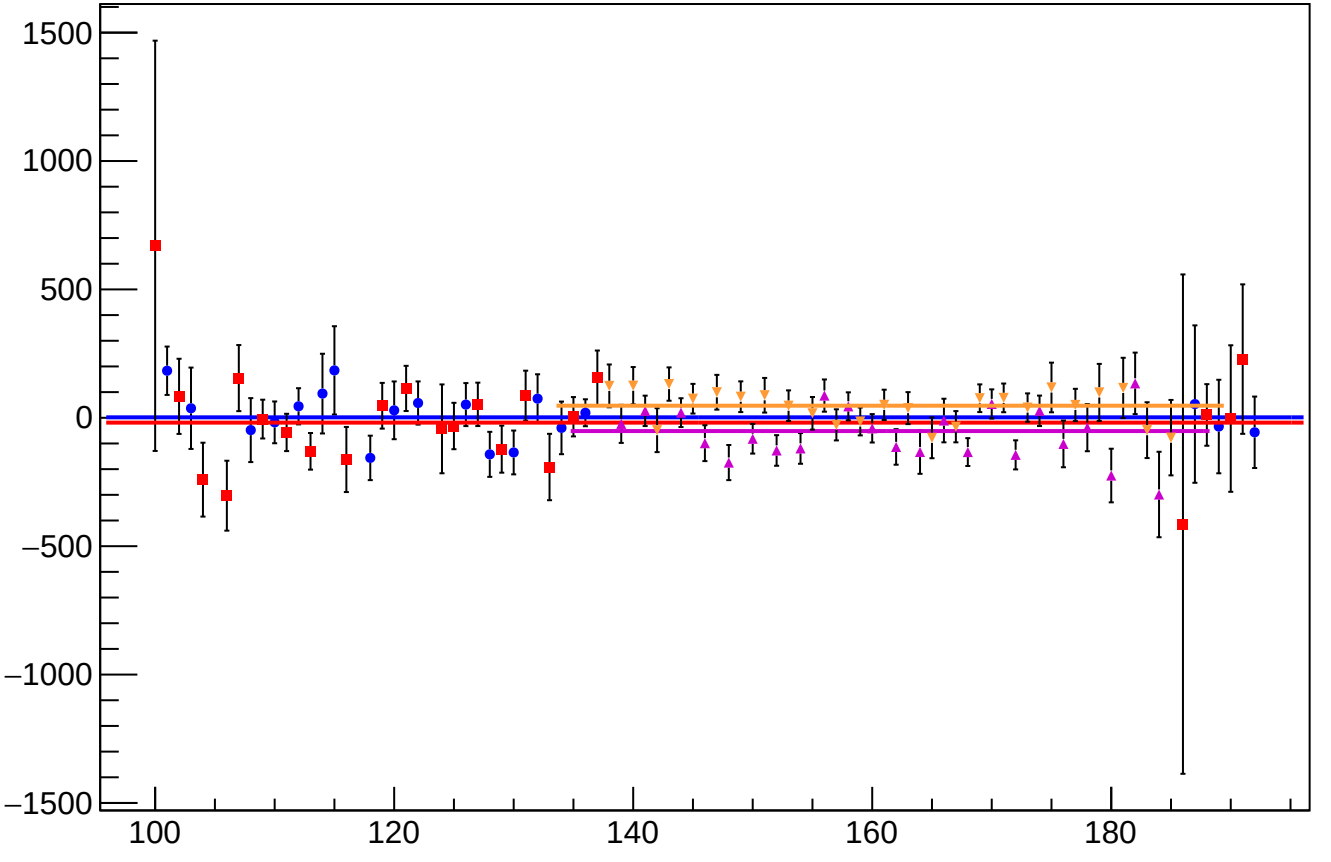
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 385.588+/-0.054 χ^2/NDF: 4580400.9/43

All: 386.007+/-0.038 χ^2/NDF: 9634991.1/89

- sign 386.443+/-0.055 χ^2/NDF: 5054465.7/45

dit_asym_sam_1357_avg_mean vs Slug



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

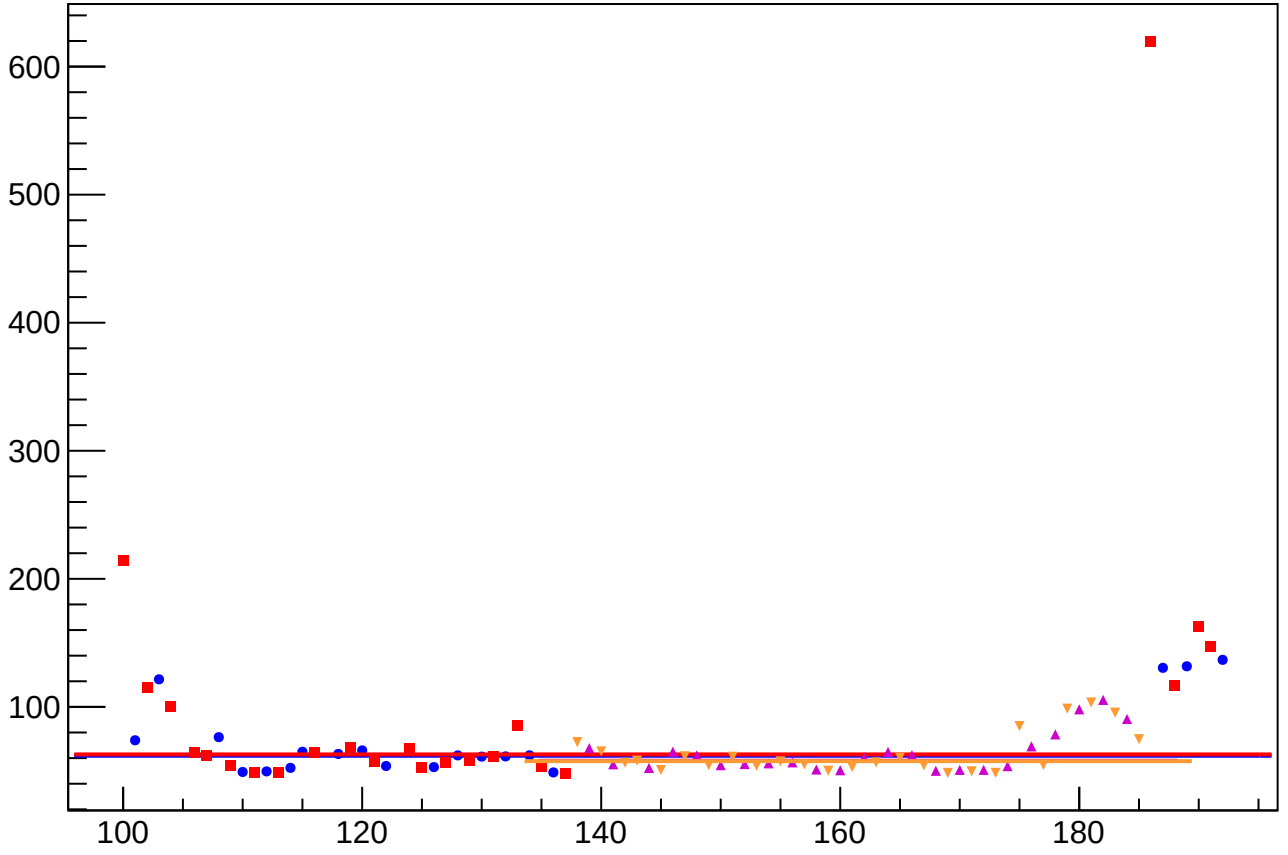
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 34.710+/-11.509 χ^2/NDF: 36.5/43

All: -2.854+/-8.241 χ^2/NDF: 123.5/89

- sign -42.379+/-11.806 χ^2/NDF: 65.2/45

dit_asym_sam_1357_avg_rms vs Slug



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

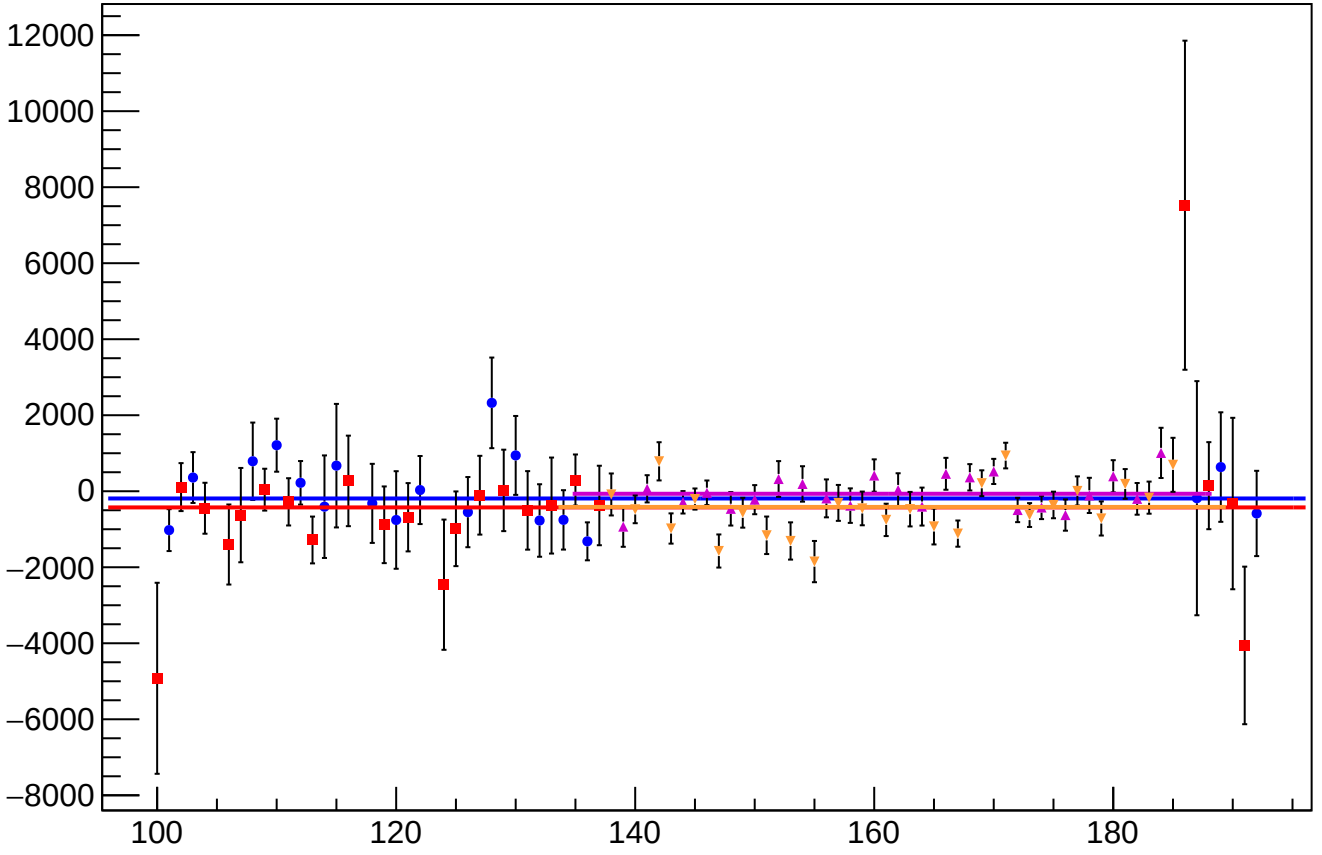
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 58.790+/-0.008 χ^2/NDF: 3021670.4/43

All: 59.056+/-0.006 χ^2/NDF: 6522754.0/89

- sign 59.335+/-0.008 χ^2/NDF: 3498893.3/45

asym_sam_1357_avg_dit_correction_mean vs Slug



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

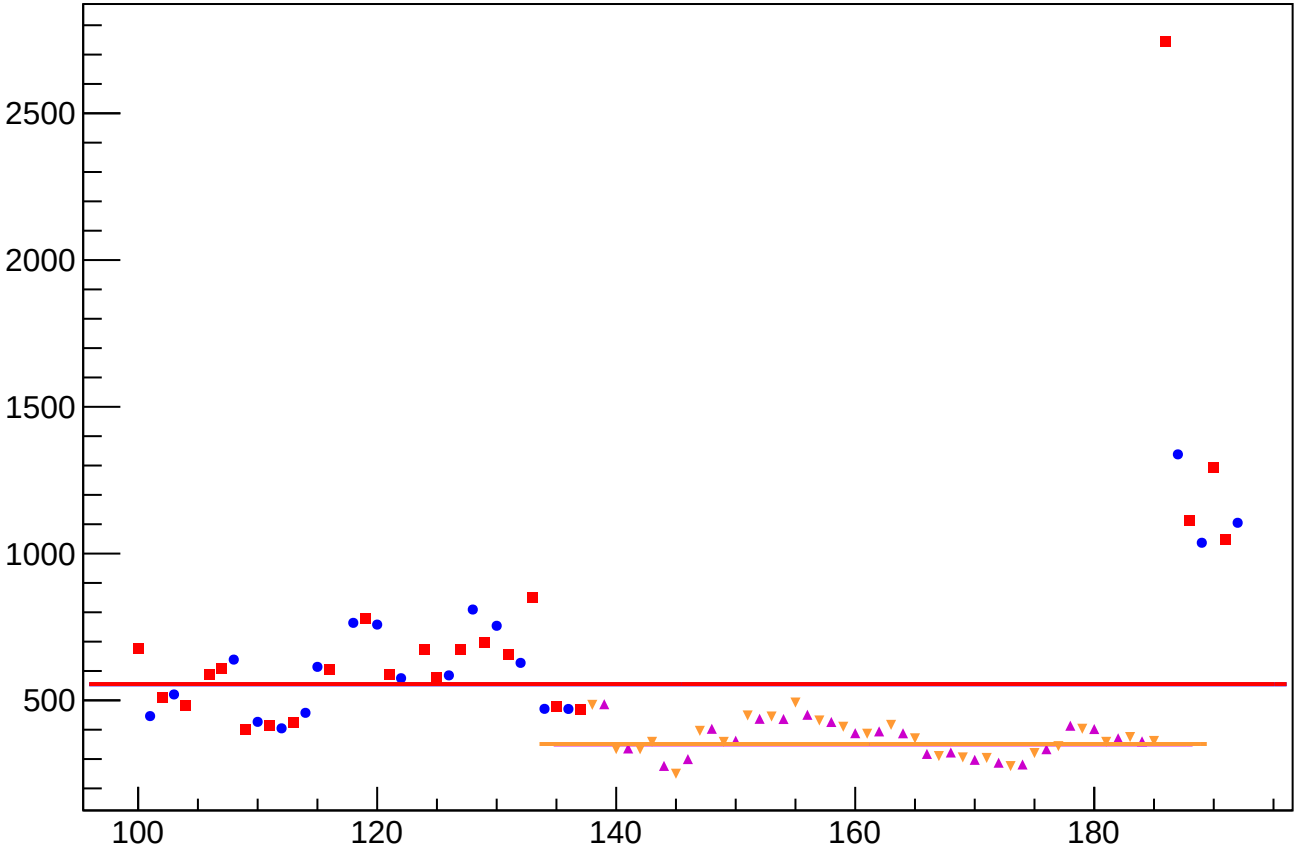
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -380.275+/-74.923 χ^2/NDF: 83.7/43

All: -253.961+/-53.450 χ^2/NDF: 133.3/89

- sign -123.049+/-76.275 χ^2/NDF: 43.8/45

asym_sam_1357_avg_dit_correction_rms vs Slug



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

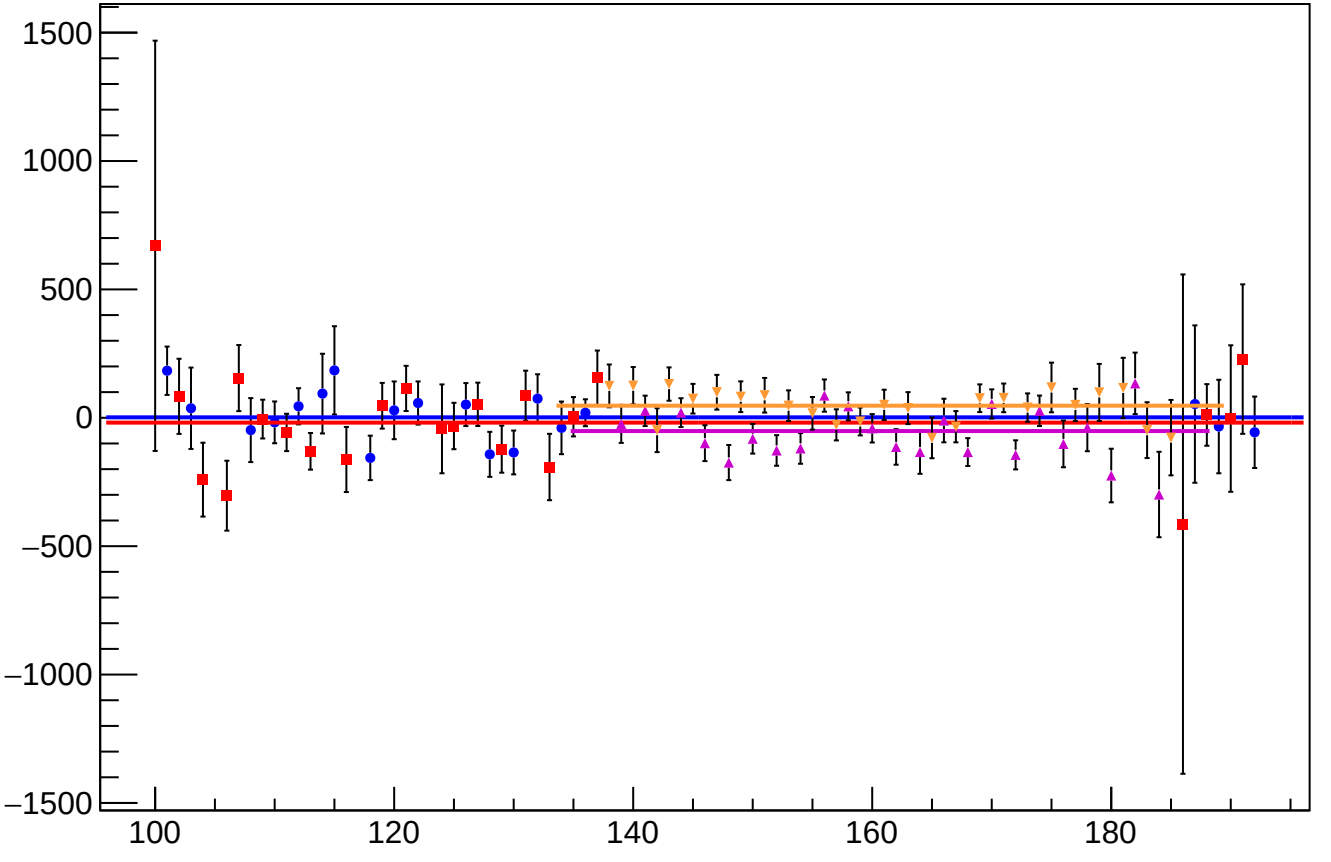
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

\+ sign 381.204+/-0.053 χ^2/NDF: 4506443.4/43

All: 381.659+/-0.038 χ^2/NDF: 9473871.1/89

\- sign 382.130+/-0.054 χ^2/NDF: 4967277.7/45

eigen_dit_asym_sam_1357_avg_mean vs Slug



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

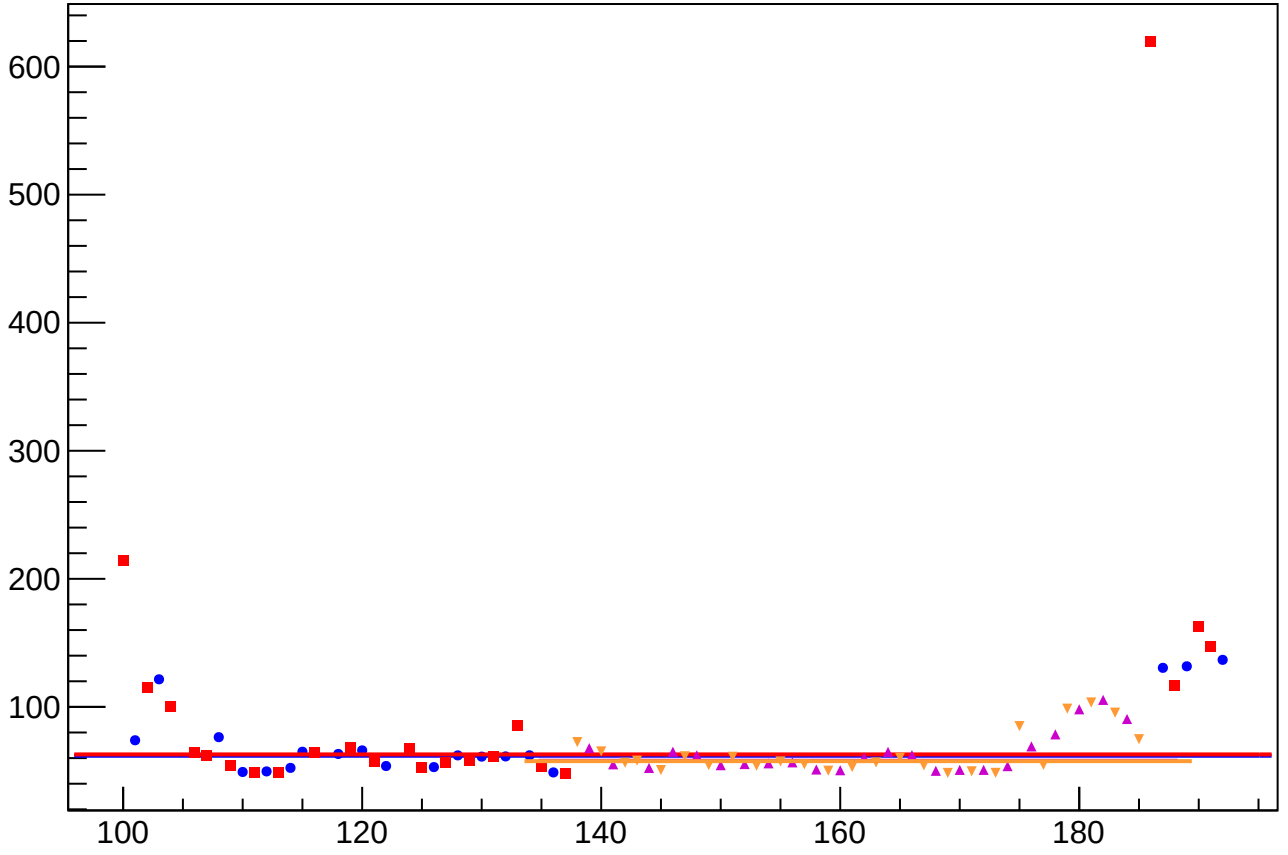
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 34.710+/-11.509 χ^2/NDF: 36.5/43

All: -2.853+/-8.241 χ^2/NDF: 123.5/89

- sign -42.379+/-11.806 χ^2/NDF: 65.2/45

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 61.855+/-0.016 χ^2/NDF: 1602591.1/18

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

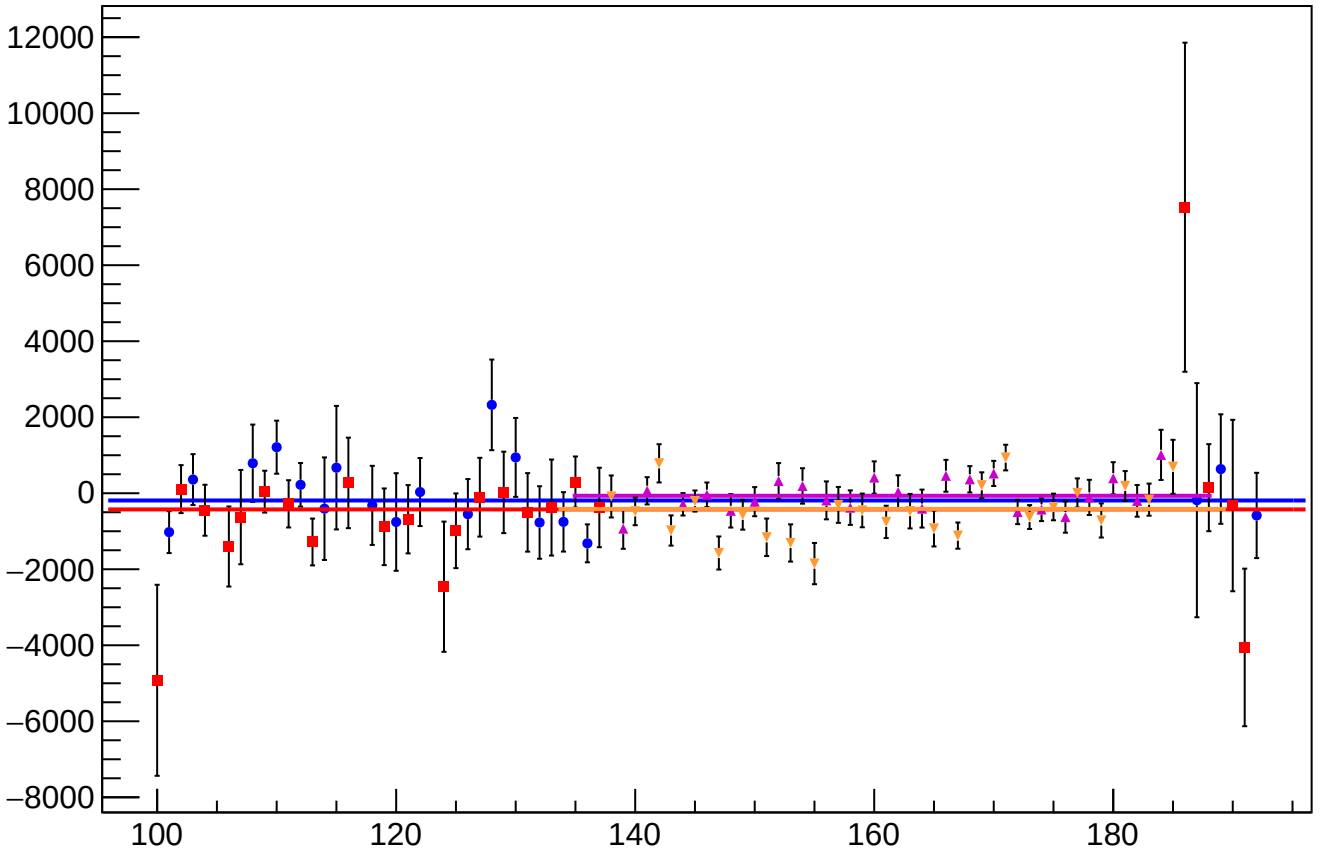
Right Out: 62.887+/-0.016 χ^2/NDF: 2303259.5/22

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 58.790+/-0.008 χ^2/NDF: 3021661.1/43

All: 59.056+/-0.006 χ^2/NDF: 6522732.7/89

- sign 59.336+/-0.008 χ^2/NDF: 3498881.1/45



Right In: -190.445+/-195.249 χ^2/NDF: 21.2/18

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

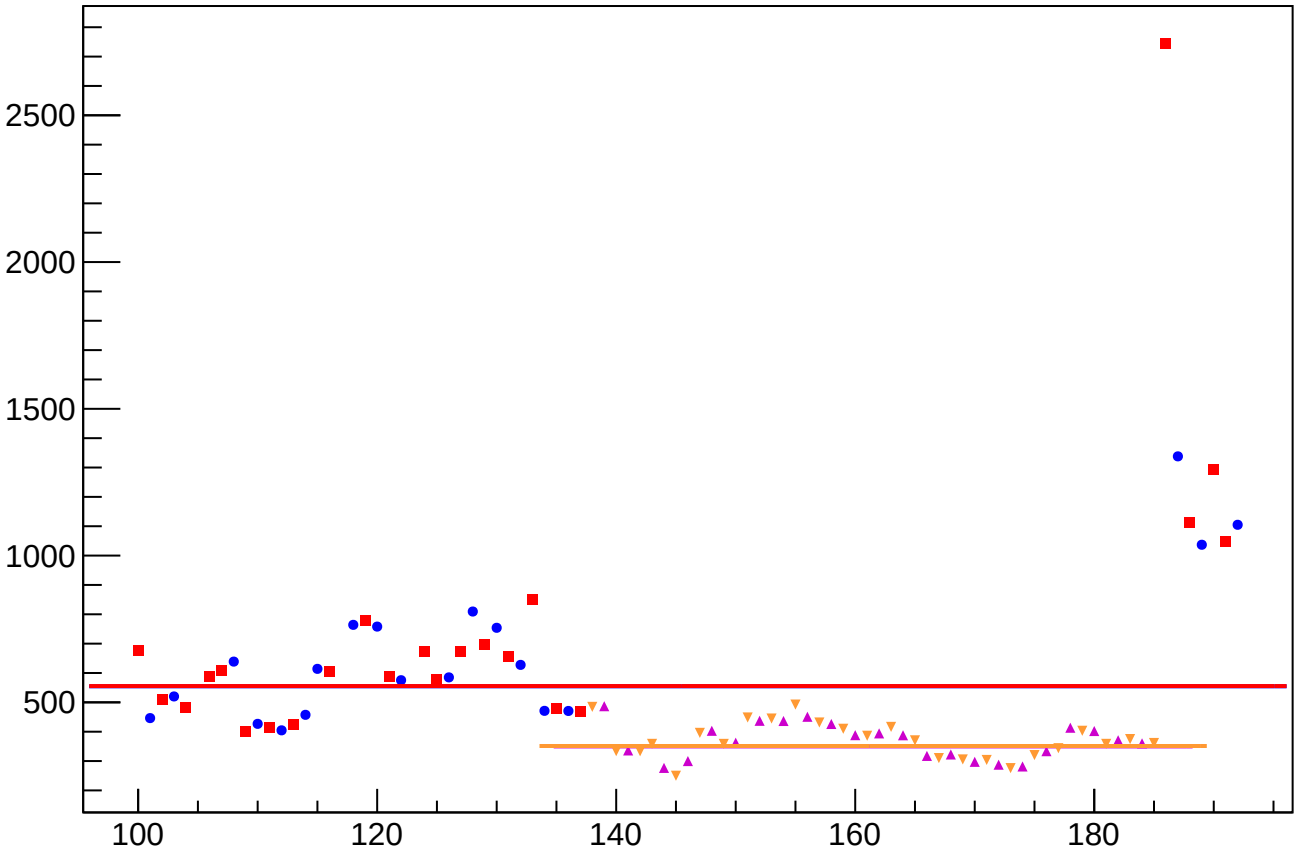
Right Out: -425.612+/-192.411 χ^2/NDF: 18.0/22

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -380.274+/-74.923 χ^2/NDF: 83.7/43

All: -253.961+/-53.450 χ^2/NDF: 133.3/89

- sign -123.048+/-76.275 χ^2/NDF: 43.8/45



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

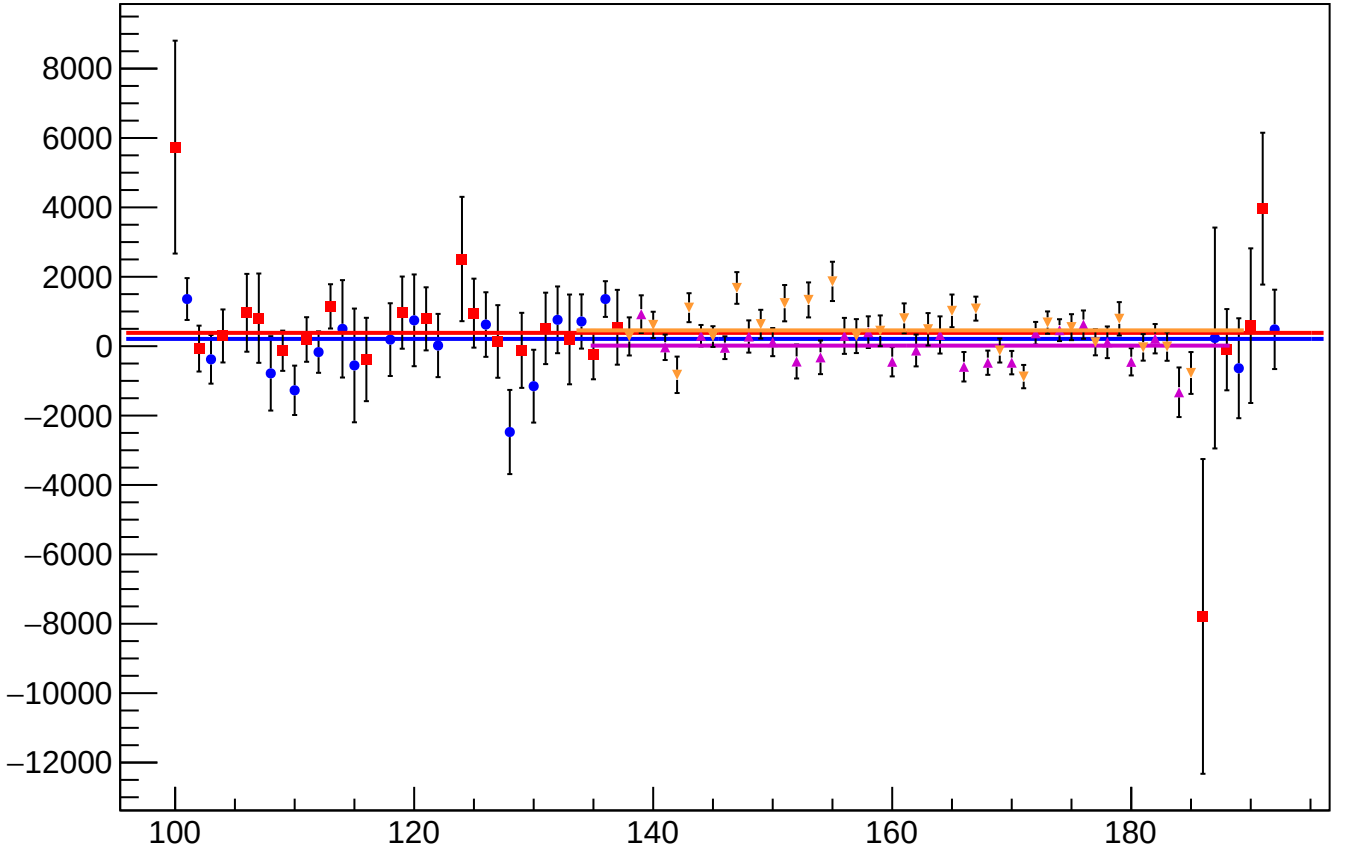
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 381.203+/-0.053 χ^2/NDF: 4506436.2/43

All: 381.658+/-0.038 χ^2/NDF: 9473849.3/89

- sign 382.130+/-0.054 χ^2/NDF: 4967263.0/45

asym_sam_1357_avg_mean vs Slug



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

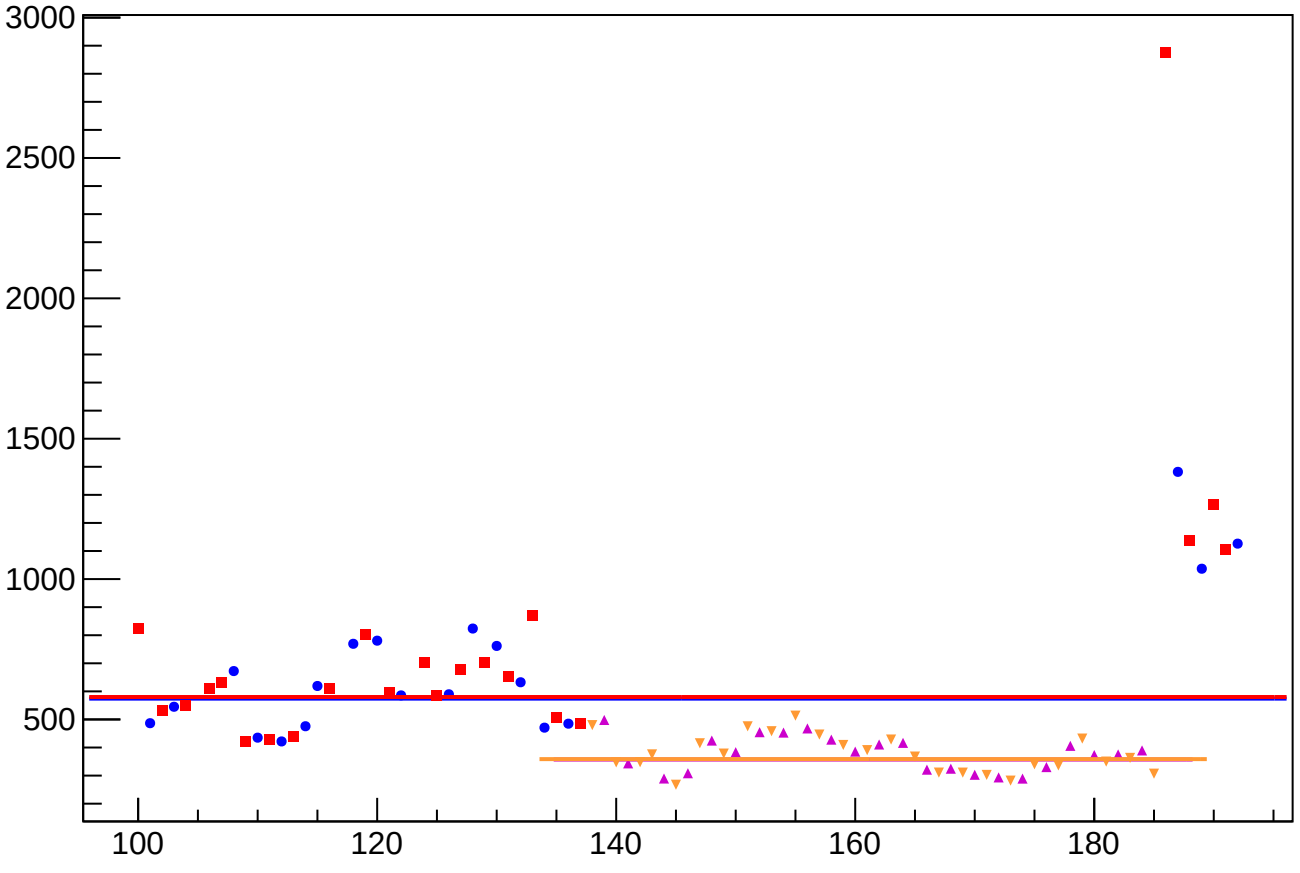
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 419.668+/-76.726 χ^2/NDF: 85.4/43

All: 248.894+/-54.744 χ^2/NDF: 139.3/89

- sign 71.803+/-78.132 χ^2/NDF: 43.8/45

asym_sam_1357_avg_rms vs Slug



Right In: 574.208+/-0.143 χ^2/NDF: 1451813.6/18

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

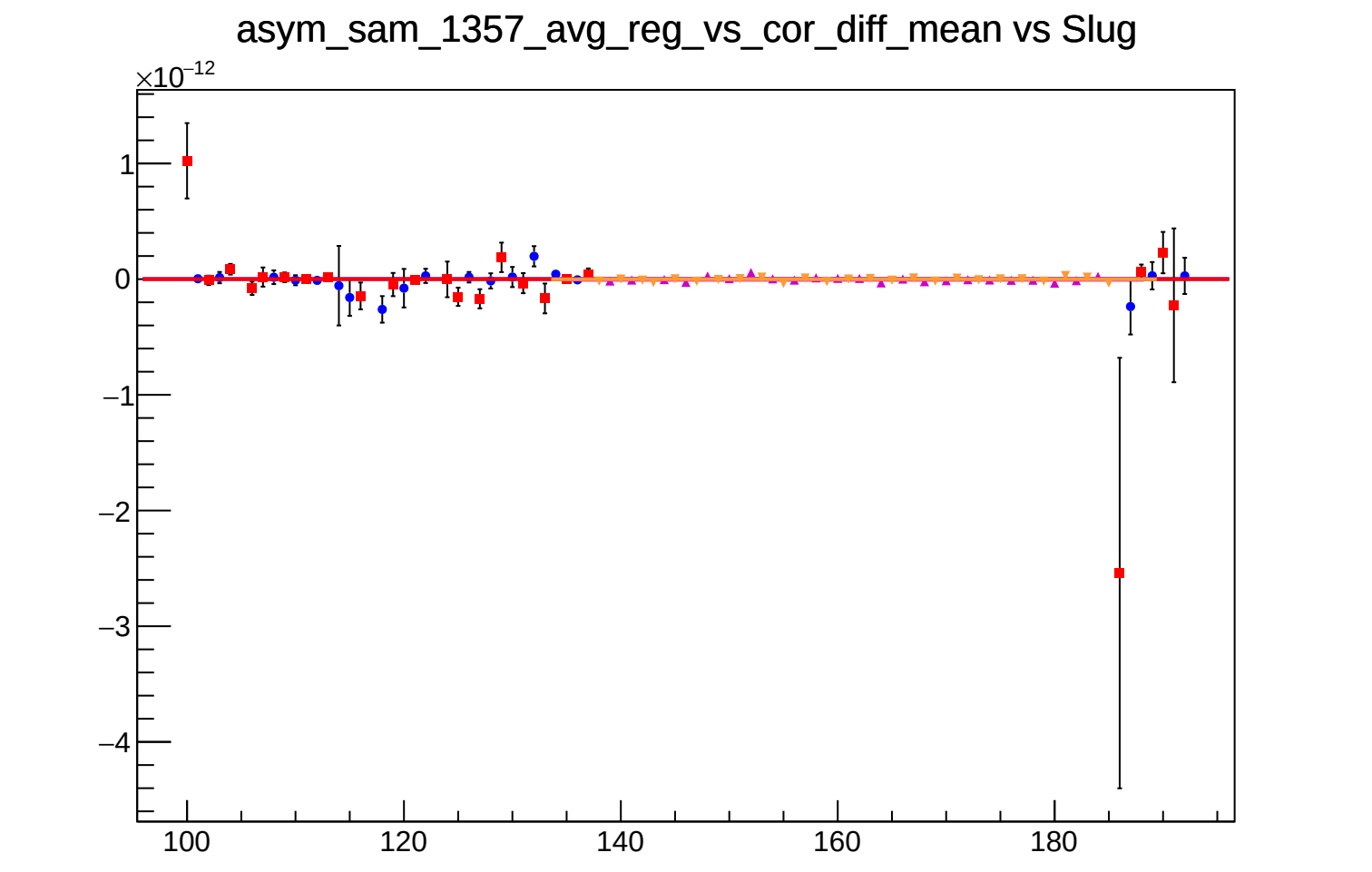
Right Out: 579.889+/-0.142 χ^2/NDF: 1952823.5/22

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 389.855+/-0.054 χ^2/NDF: 4524094.1/43

All: 390.400+/-0.039 χ^2/NDF: 9549732.5/89

- sign 390.964+/-0.055 χ^2/NDF: 5025433.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 14.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

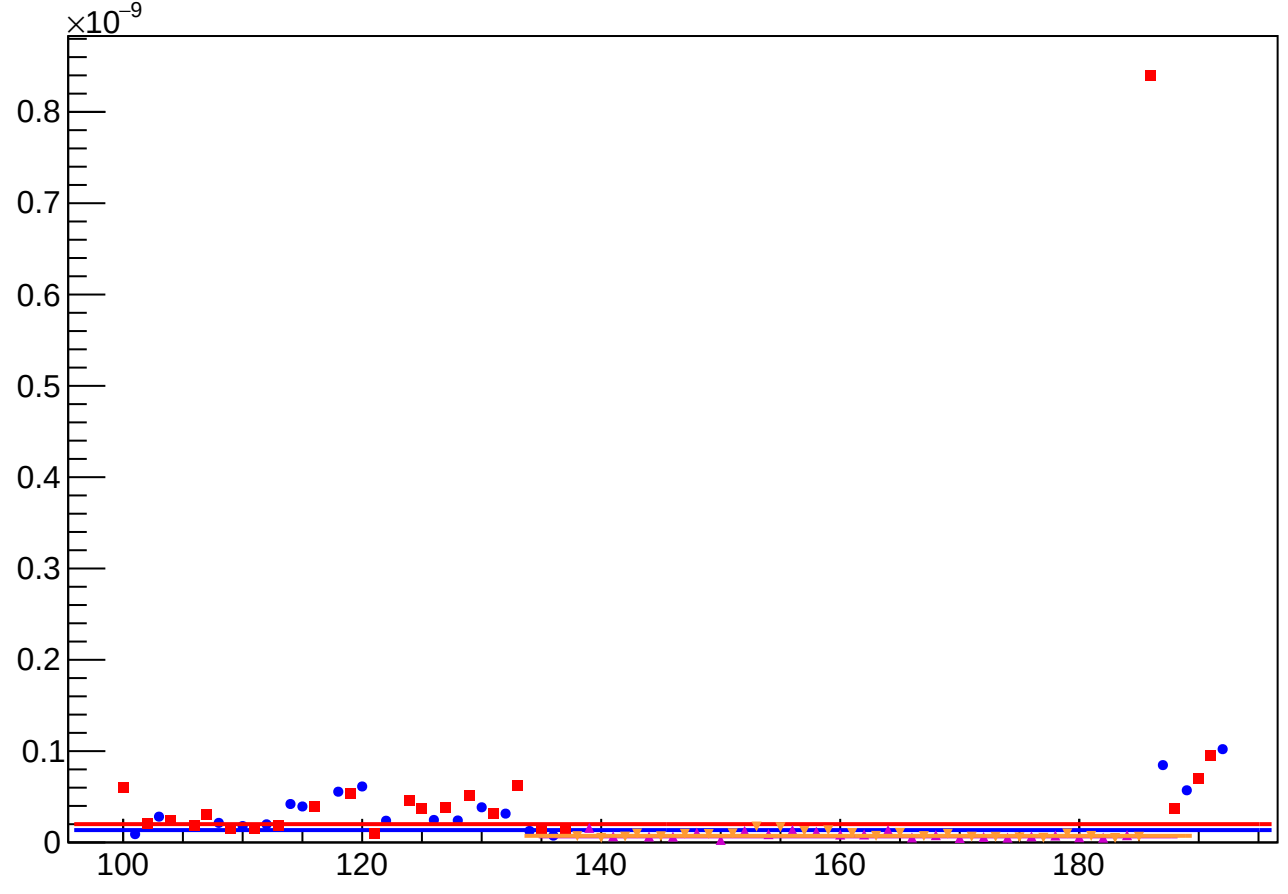
Right Out: 0.000+/-0.000 χ^2/NDF: 34.6/22

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.9/43

All: -0.000+/-0.000 χ^2/NDF: 97.6/89

- sign -0.000+/-0.000 χ^2/NDF: 63.3/45



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

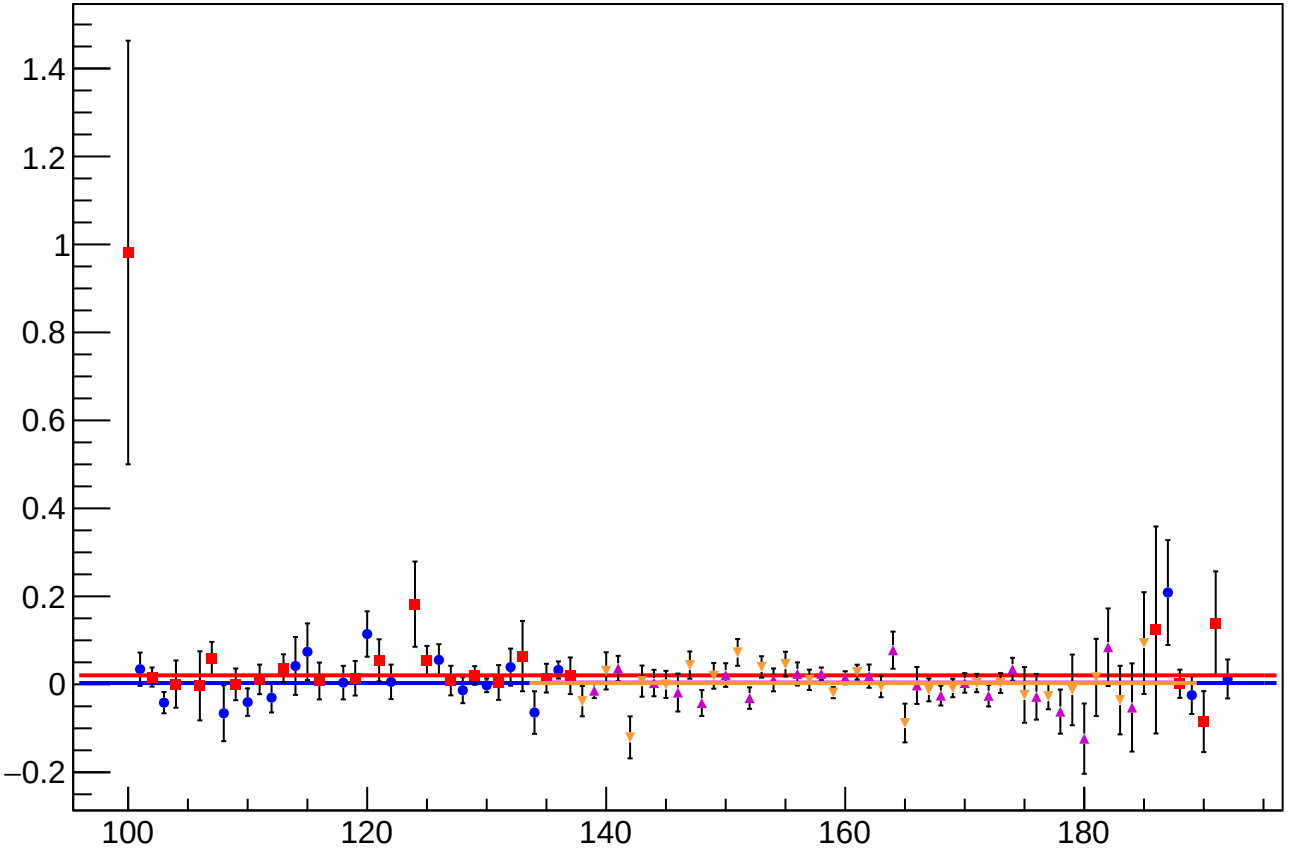
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5172710.2/43

All: 0.000+/-0.000 χ^2/NDF: 11420175.7/89

- sign 0.000+/-0.000 χ^2/NDF: 6219833.0/45

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



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

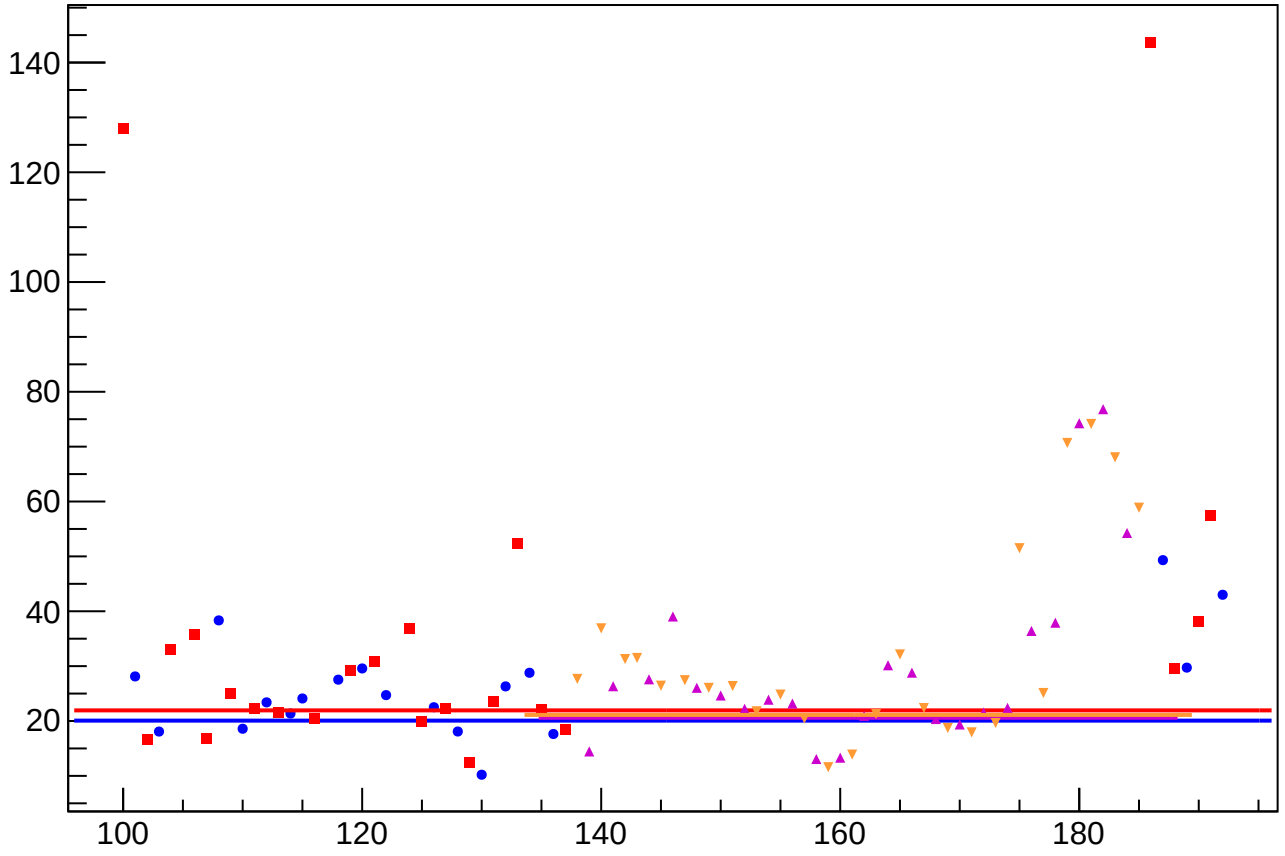
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 58.2/43

All: 0.006+/-0.003 χ^2/NDF: 101.3/89

- sign 0.009+/-0.005 χ^2/NDF: 42.1/45

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 20.069+/-0.005 χ^2/NDF: 2193555.3/18

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

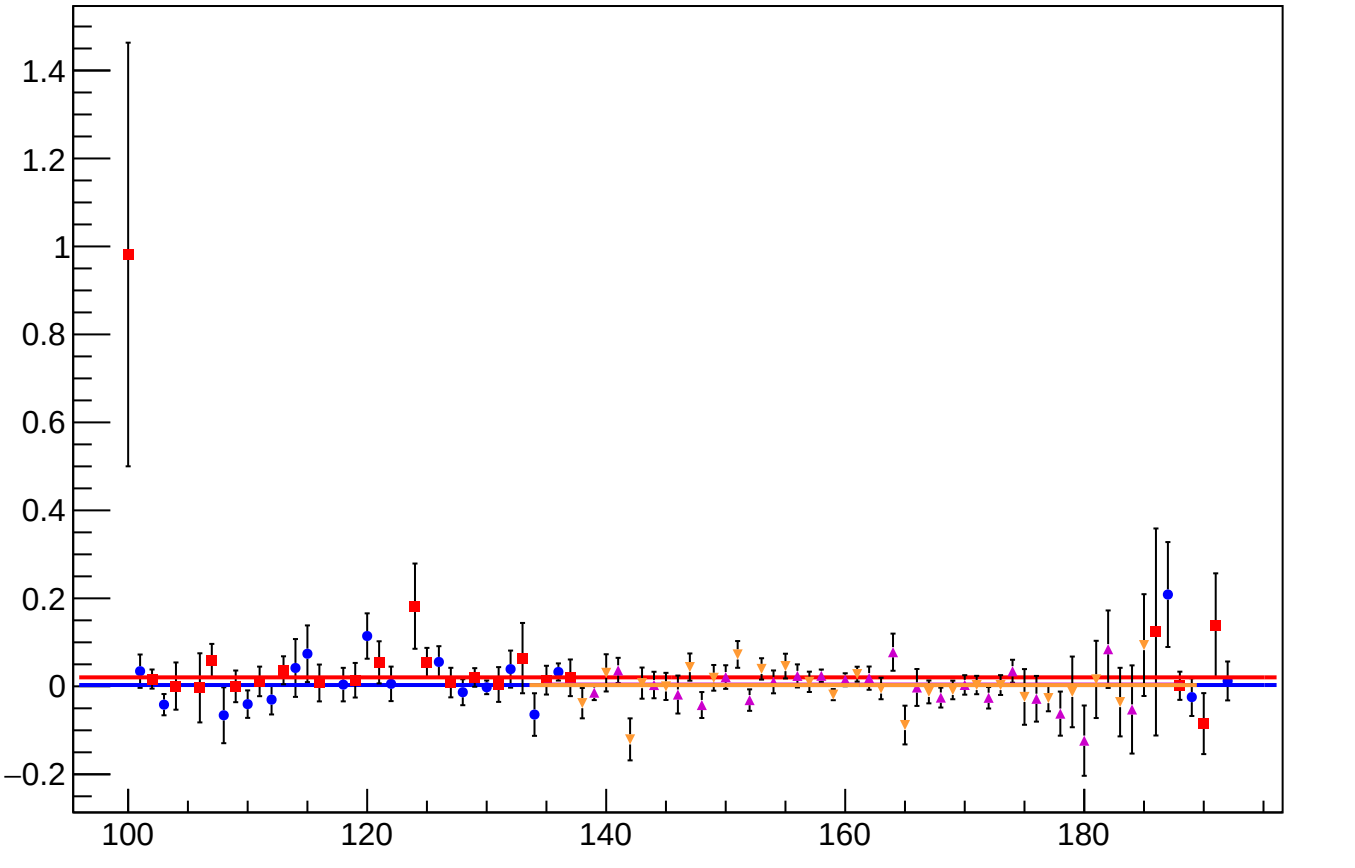
Right Out: 21.937+/-0.006 χ^2/NDF: 2264382.5/22

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.752+/-0.003 χ^2/NDF: 7764977.7/43

All: 20.878+/-0.002 χ^2/NDF: 14670288.3/89

- sign 21.010+/-0.003 χ^2/NDF: 6901989.4/45



Right In: 0.003+/-0.008 χ^2/NDF: 25.4/18

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

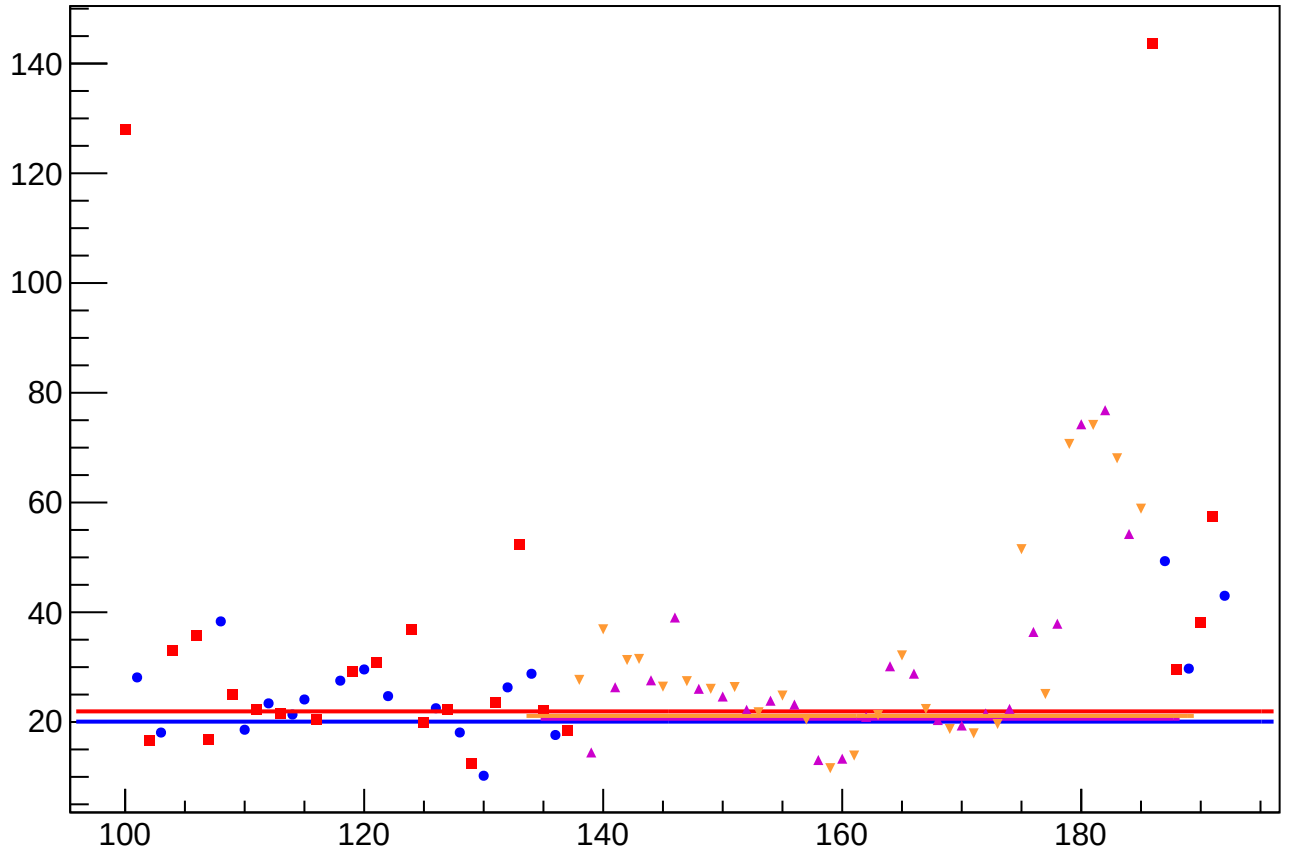
Right Out: 0.020+/-0.008 χ^2/NDF: 14.7/22

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 58.2/43

All: 0.006+/-0.003 χ^2/NDF: 101.3/89

- sign 0.009+/-0.005 χ^2/NDF: 42.1/45



Right In: 20.069+/-0.005 χ^2/NDF: 2193555.3/18

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

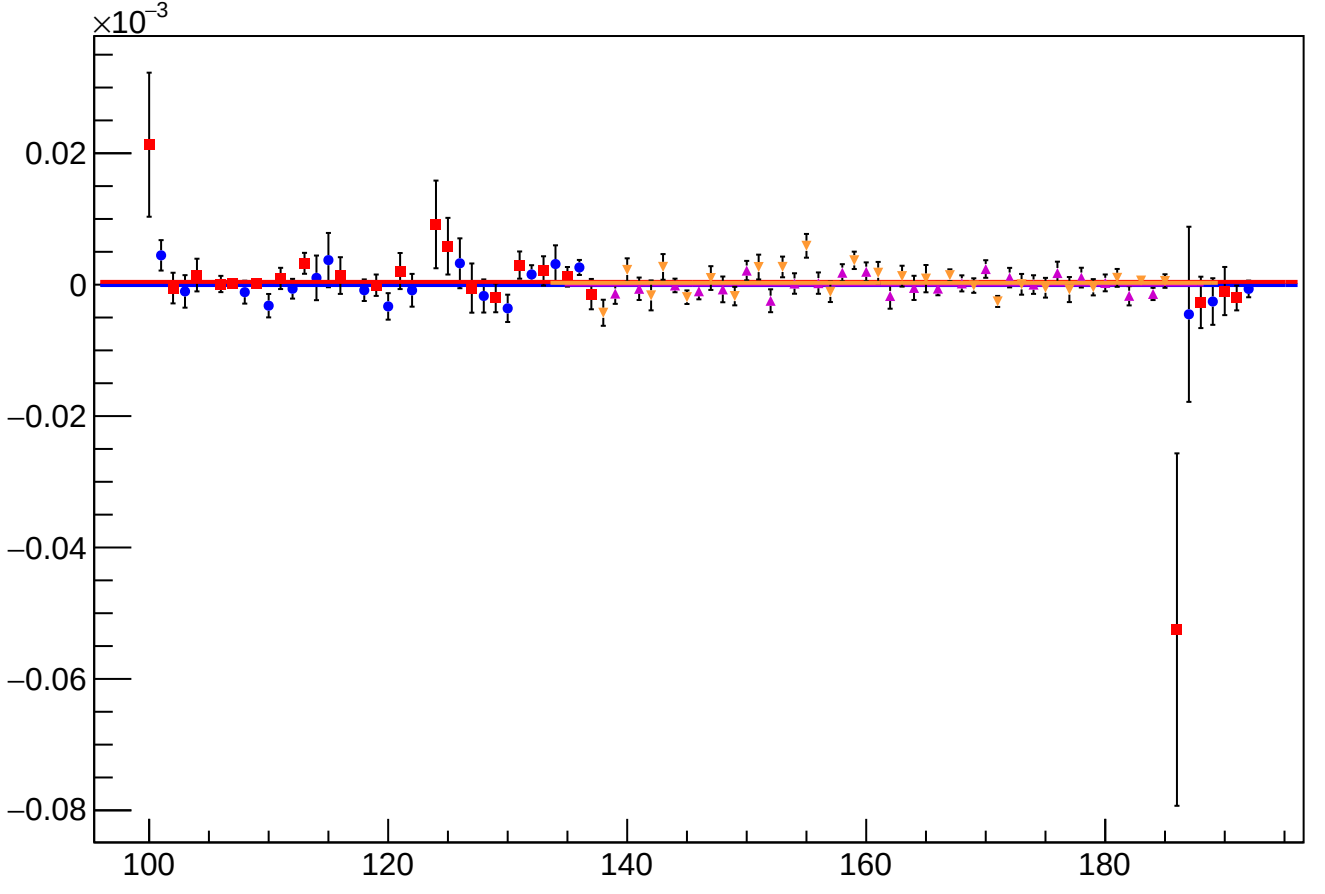
Right Out: 21.937+/-0.006 χ^2/NDF: 2264382.5/22

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

\+ sign 20.752+/-0.003 χ^2/NDF: 7764977.7/43

All: 20.878+/-0.002 χ^2/NDF: 14670288.3/89

\- sign 21.010+/-0.003 χ^2/NDF: 6901989.4/45



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

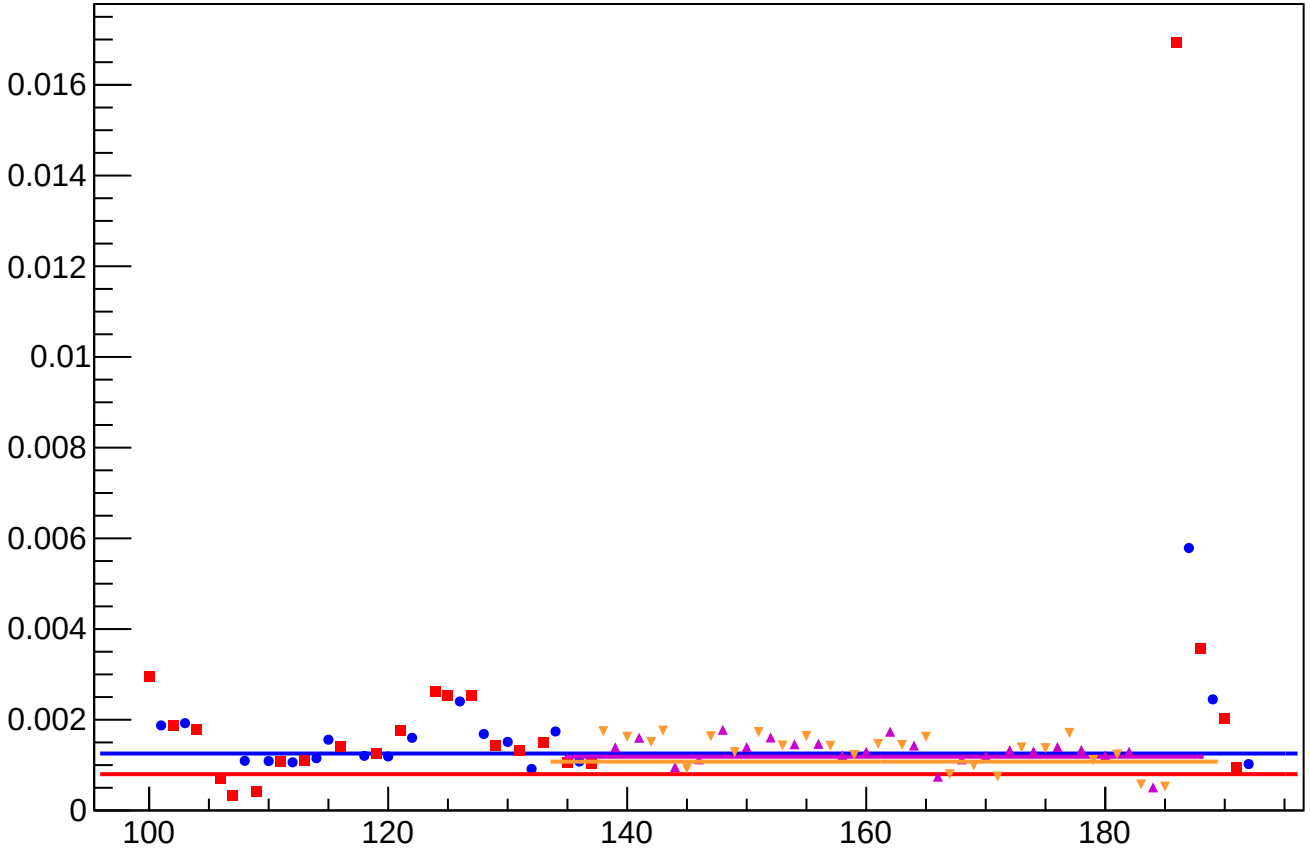
Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.5/43

All: 0.000+/-0.000 χ^2/NDF: 120.2/89

- sign 0.000+/-0.000 χ^2/NDF: 42.8/45

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 1433297.4/18

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

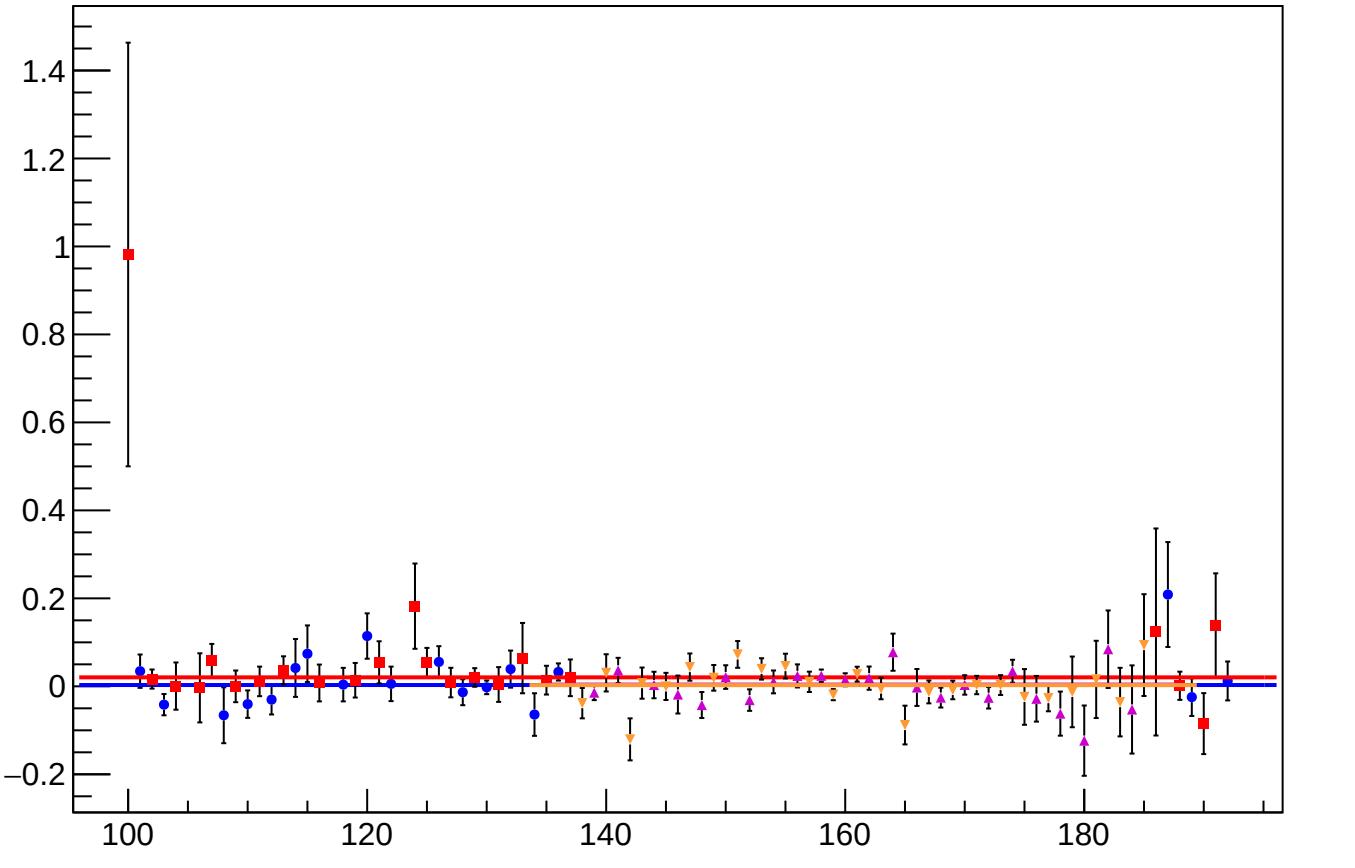
Right Out: 0.001+/-0.000 χ^2/NDF: 6666121.1/22

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 6213615.0/43

All: 0.001+/-0.000 χ^2/NDF: 17089275.8/89

- sign 0.001+/-0.000 χ^2/NDF: 10657917.5/45



Right In: 0.003+/-0.008 χ^2/NDF: 25.4/18

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

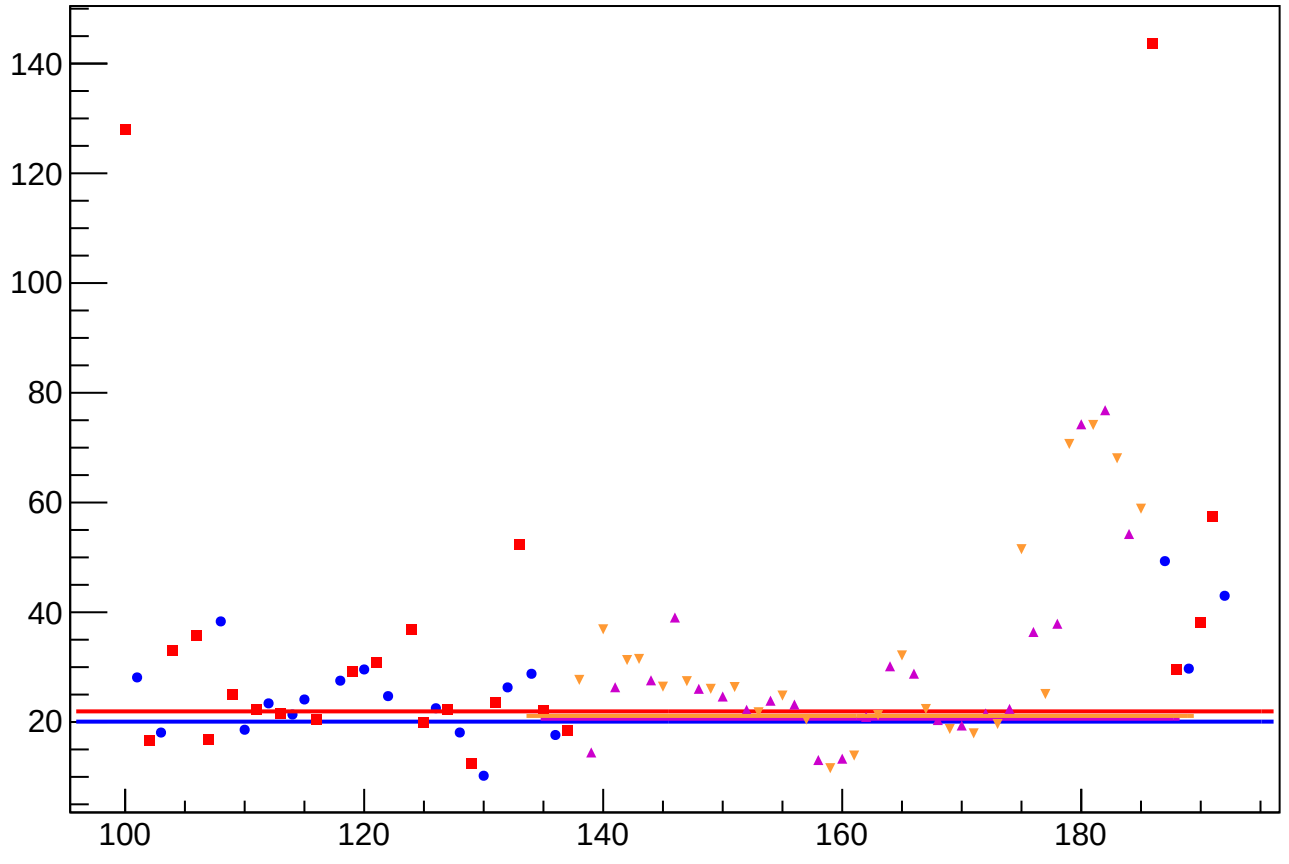
Right Out: 0.020+/-0.008 χ^2/NDF: 14.7/22

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 58.2/43

All: 0.006+/-0.003 χ^2/NDF: 101.3/89

- sign 0.009+/-0.005 χ^2/NDF: 42.1/45



Right In: 20.070+/-0.005 χ^2/NDF: 2193426.9/18

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

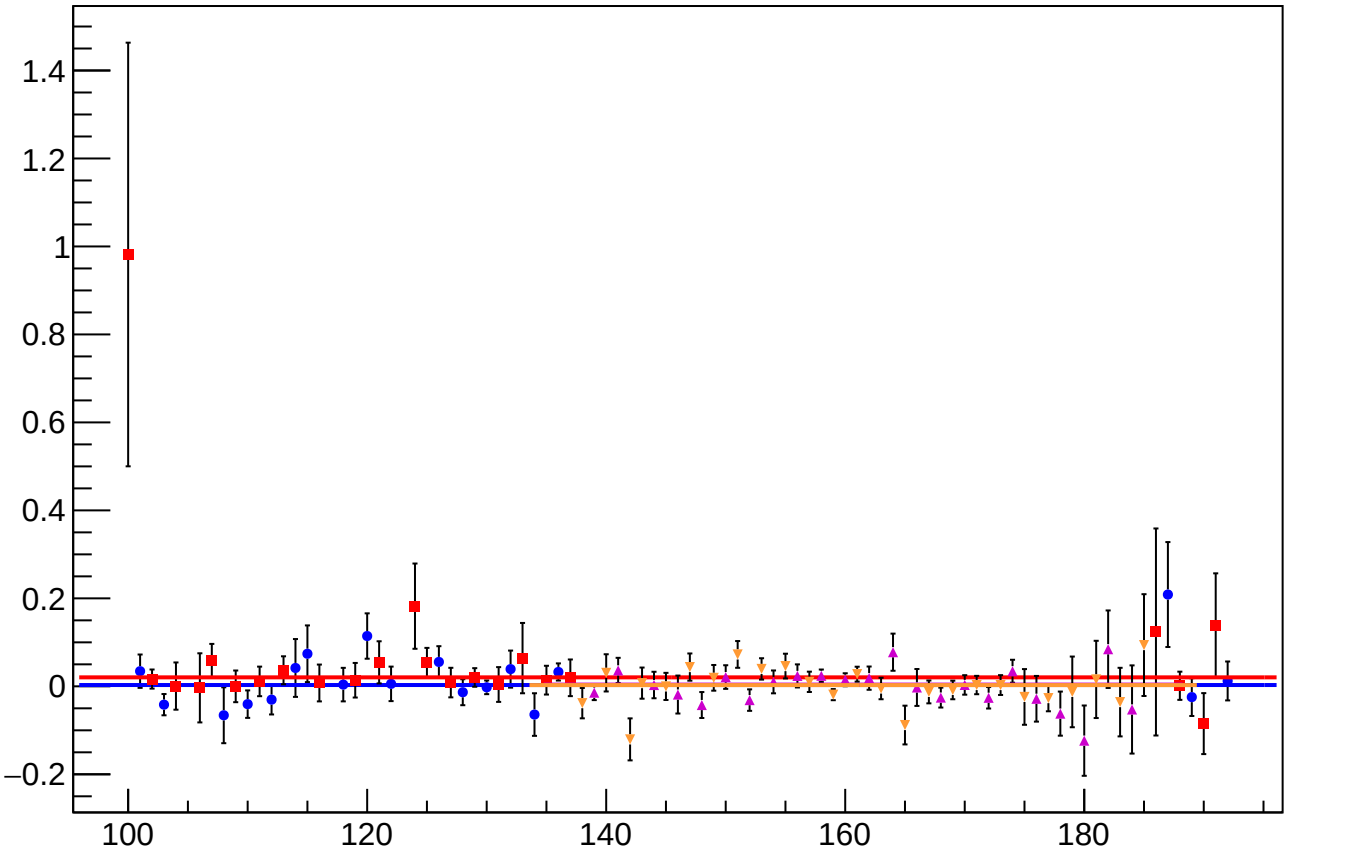
Right Out: 21.937+/-0.006 χ^2/NDF: 2264364.2/22

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.753+/-0.003 χ^2/NDF: 7764966.1/43

All: 20.879+/-0.002 χ^2/NDF: 14670260.3/89

- sign 21.010+/-0.003 χ^2/NDF: 6901972.2/45



Right In: 0.003+/-0.008 χ^2/NDF: 25.4/18

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

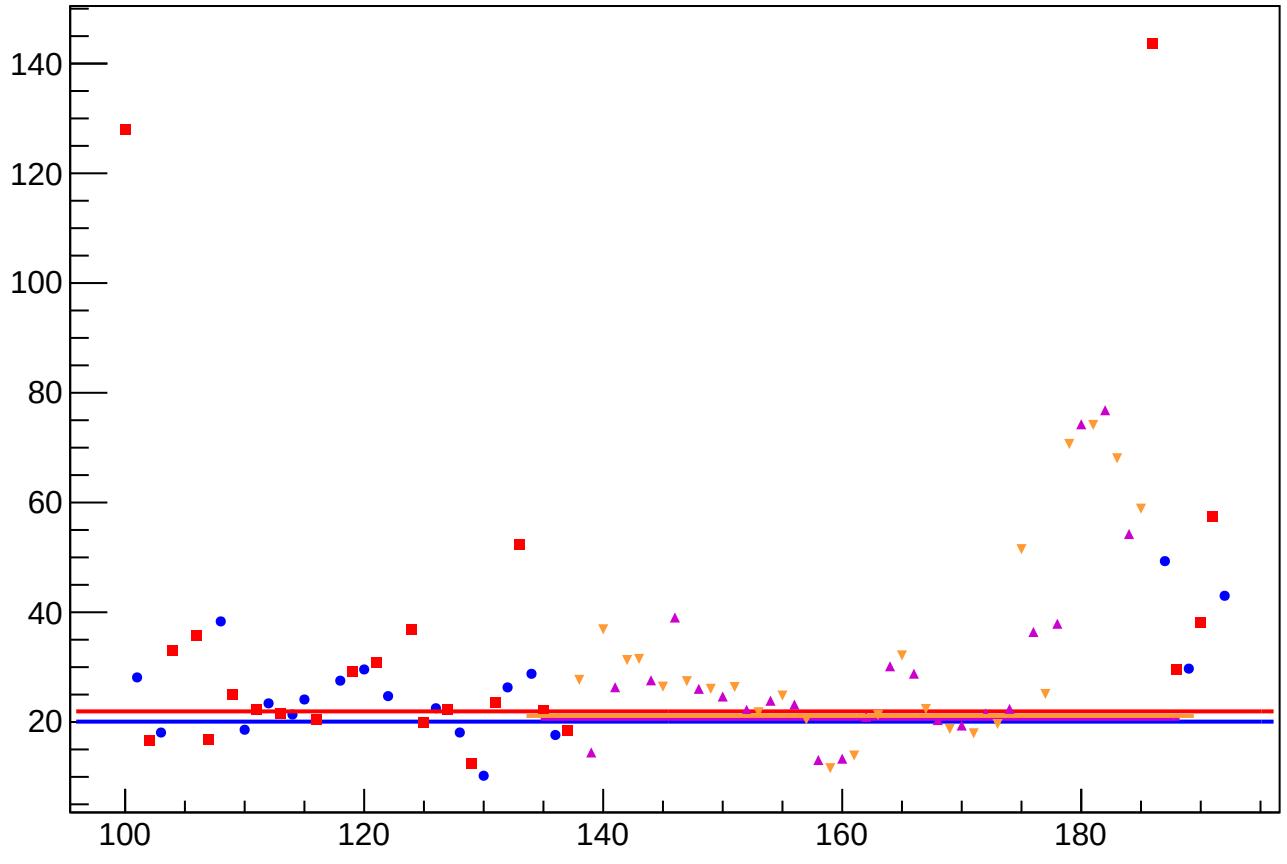
Right Out: 0.020+/-0.008 χ^2/NDF: 14.7/22

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 58.2/43

All: 0.006+/-0.003 χ^2/NDF: 101.3/89

- sign 0.009+/-0.005 χ^2/NDF: 42.1/45



Right In: 20.070+/-0.005 χ^2/NDF: 2193426.9/18

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

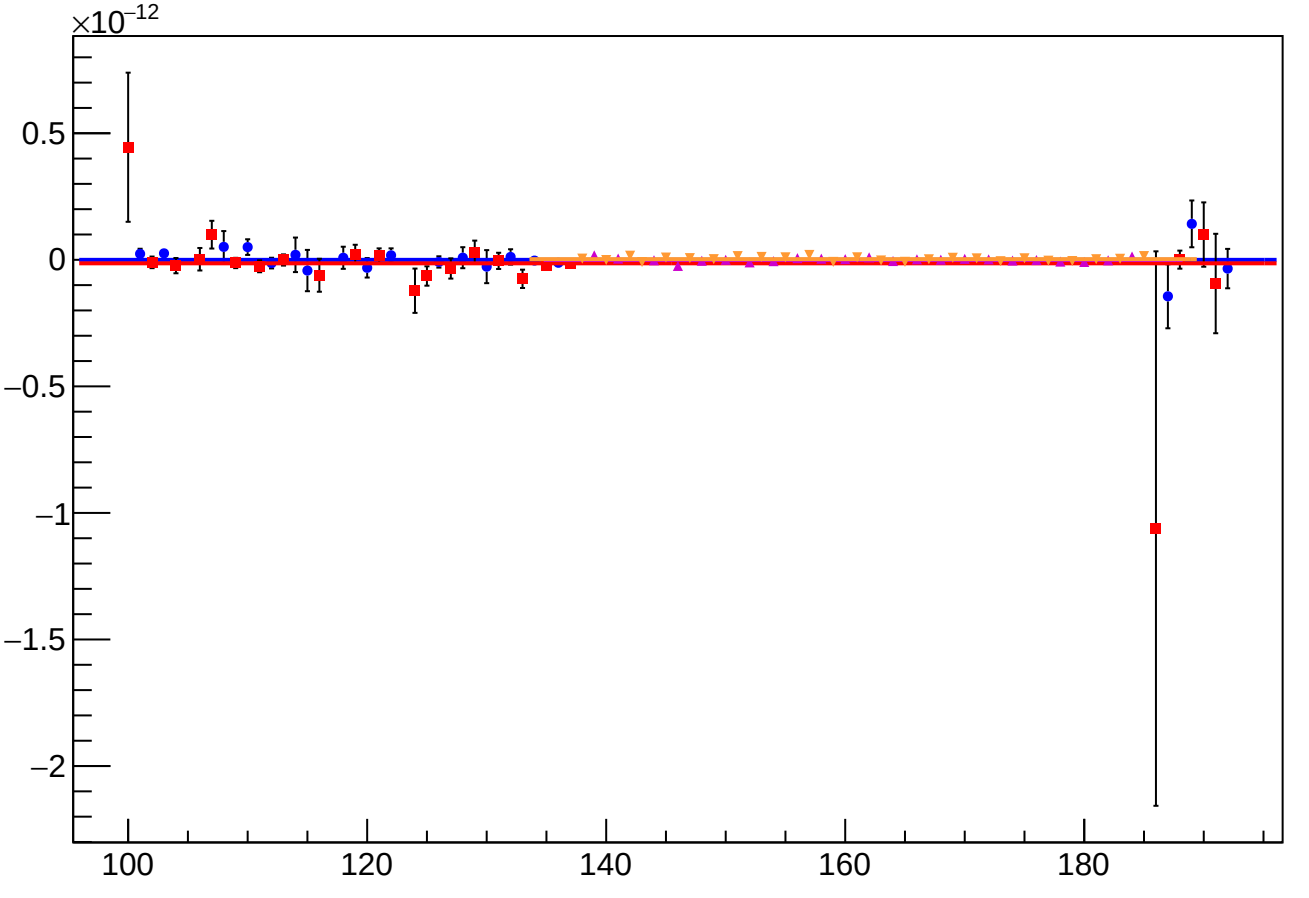
Right Out: 21.937+/-0.006 χ^2/NDF: 2264364.2/22

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.753+/-0.003 χ^2/NDF: 7764966.1/43

All: 20.879+/-0.002 χ^2/NDF: 14670260.3/89

- sign 21.010+/-0.003 χ^2/NDF: 6901972.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

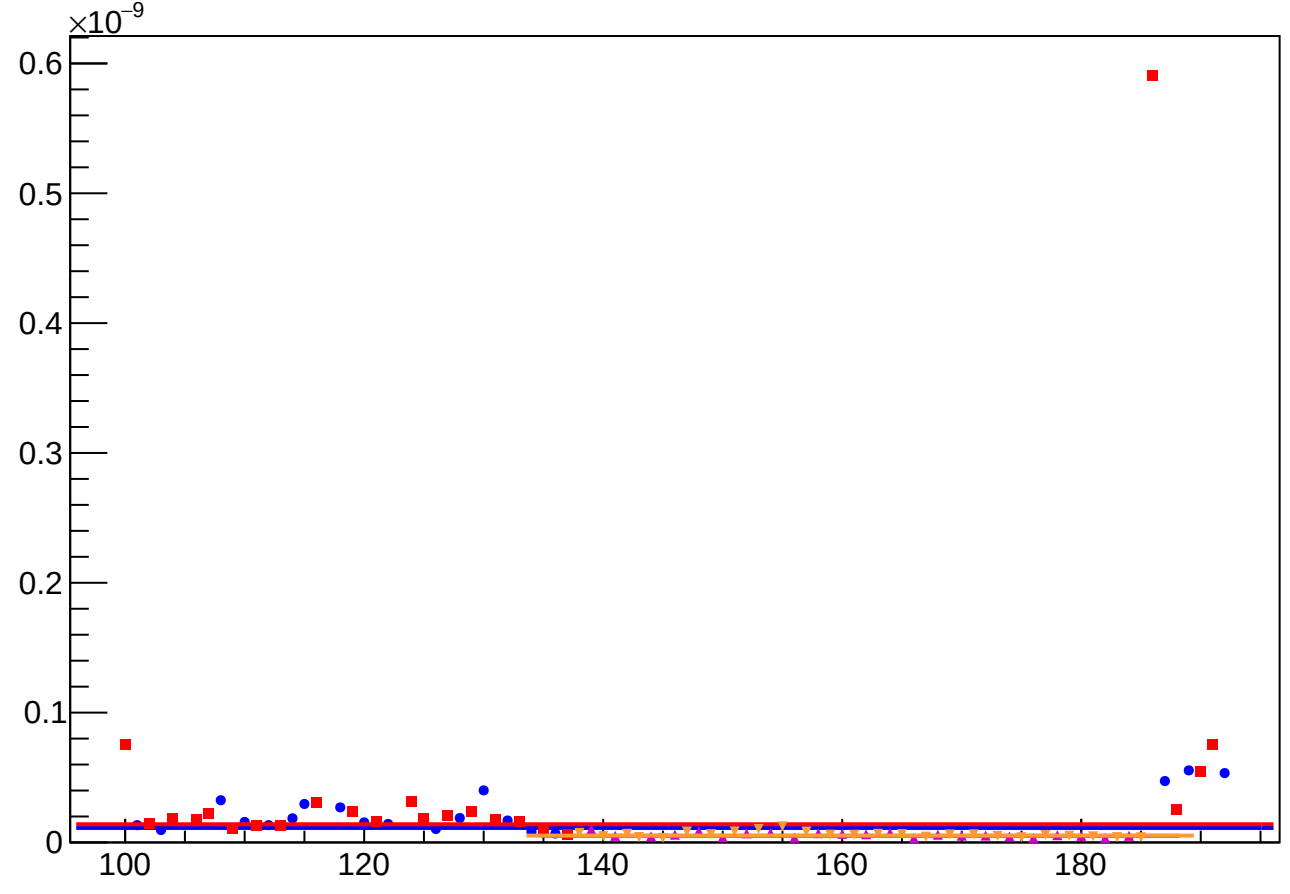
Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/22

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.2/43

All: 0.000+/-0.000 χ^2/NDF: 83.7/89

- sign -0.000+/-0.000 χ^2/NDF: 45.1/45



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

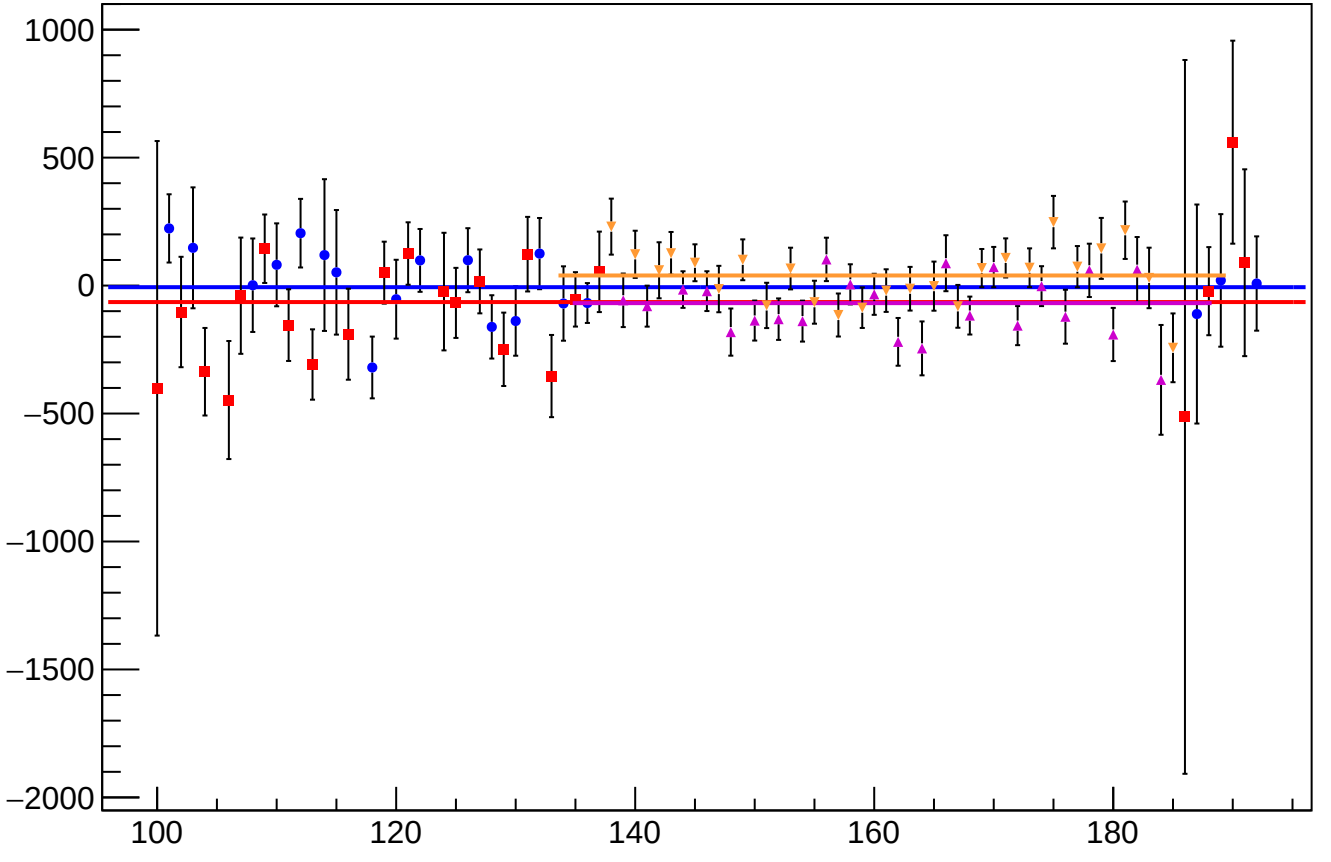
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7206250.7/43

All: 0.000+/-0.000 χ^2/NDF: 15142361.7/89

- sign 0.000+/-0.000 χ^2/NDF: 7929976.2/45

reg_asym_sam_2468_avg_mean vs Slug



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

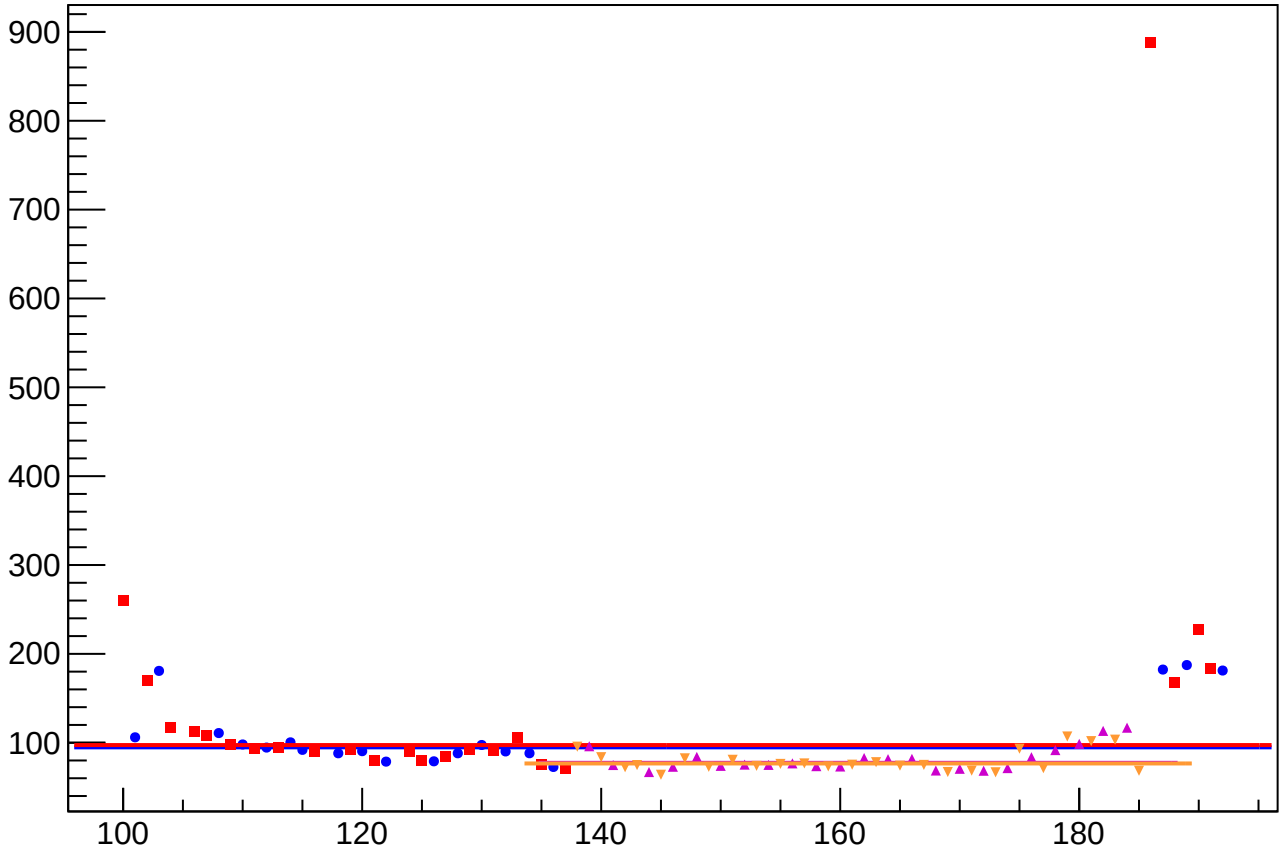
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.440+/-15.608 χ^2/NDF: 52.4/43

All: -17.563+/-11.212 χ^2/NDF: 125.8/89

- sign -67.671+/-16.116 χ^2/NDF: 54.7/45

reg_asym_sam_2468_avg_rms vs Slug



Right In: 94.784+/-0.024 χ^2/NDF: 1324022.8/18

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

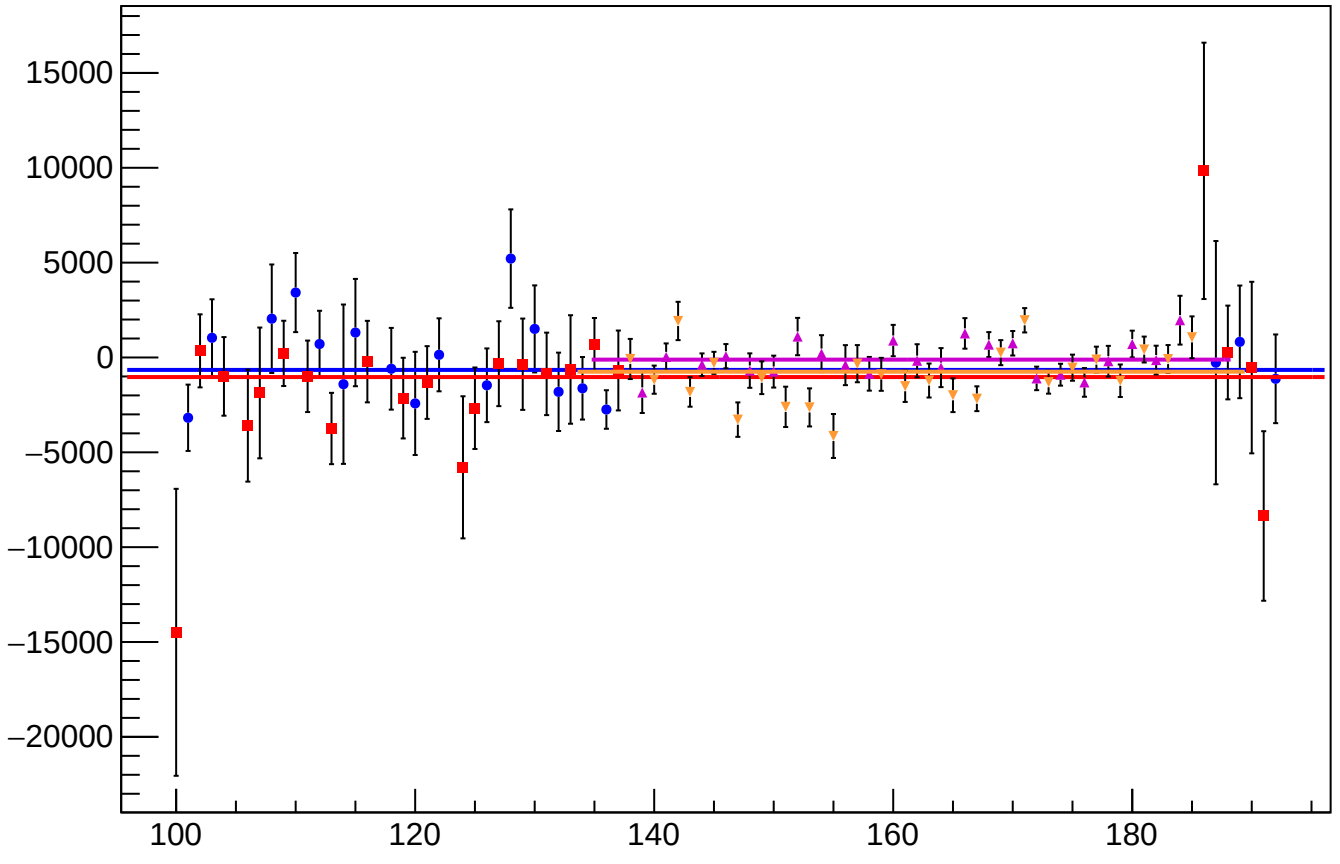
Right Out: 97.346+/-0.024 χ^2/NDF: 1891631.7/22

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 80.626+/-0.011 χ^2/NDF: 2441131.4/43

All: 81.226+/-0.008 χ^2/NDF: 5467859.0/89

- sign 81.866+/-0.011 χ^2/NDF: 3020609.8/45



Right In: -655.767+/-469.007 χ^2/NDF: 20.6/18

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -1032.192+/-479.813 χ^2/NDF: 17.0/22

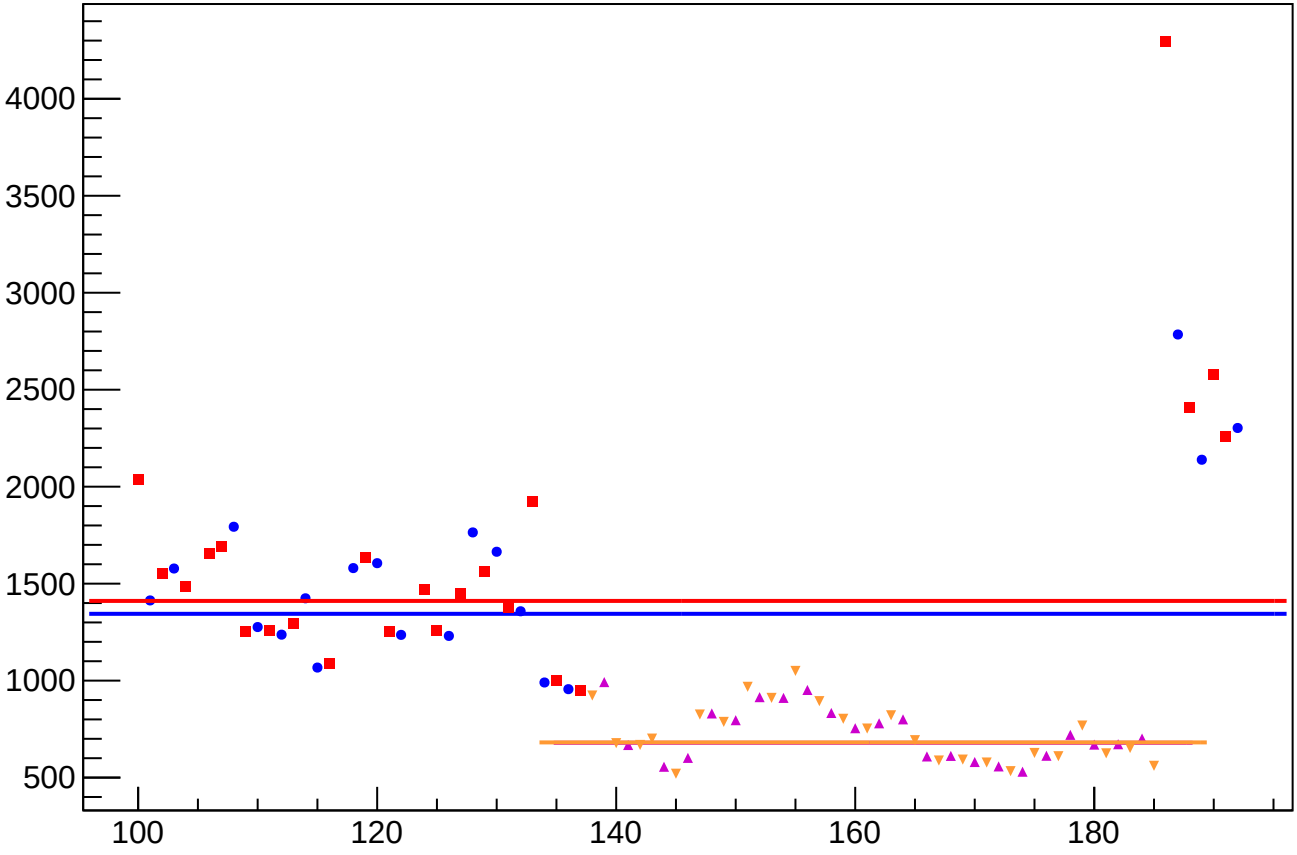
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -740.064+/-149.801 χ^2/NDF: 90.6/43

All: -480.012+/-107.149 χ^2/NDF: 142.1/89

- sign -207.579+/-153.325 χ^2/NDF: 45.4/45

asym_sam_2468_avg_reg_correction_rms vs Slug



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

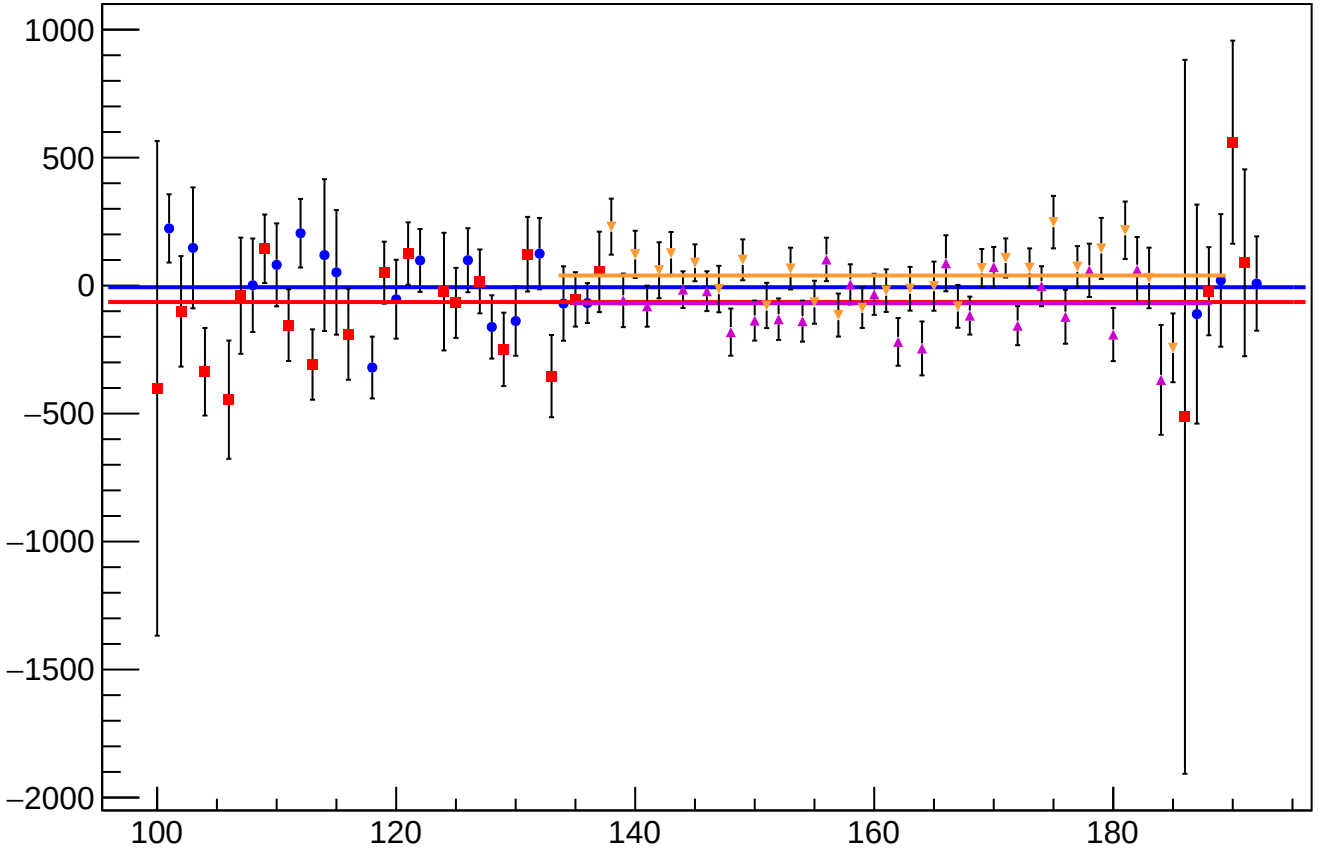
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 749.064+/-0.106 χ^2/NDF: 6143527.0/43

All: 751.530+/-0.076 χ^2/NDF: 12921747.8/89

- sign 754.114+/-0.108 χ^2/NDF: 6777110.8/45

cor_asym_sam_2468_avg_mean vs Slug



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

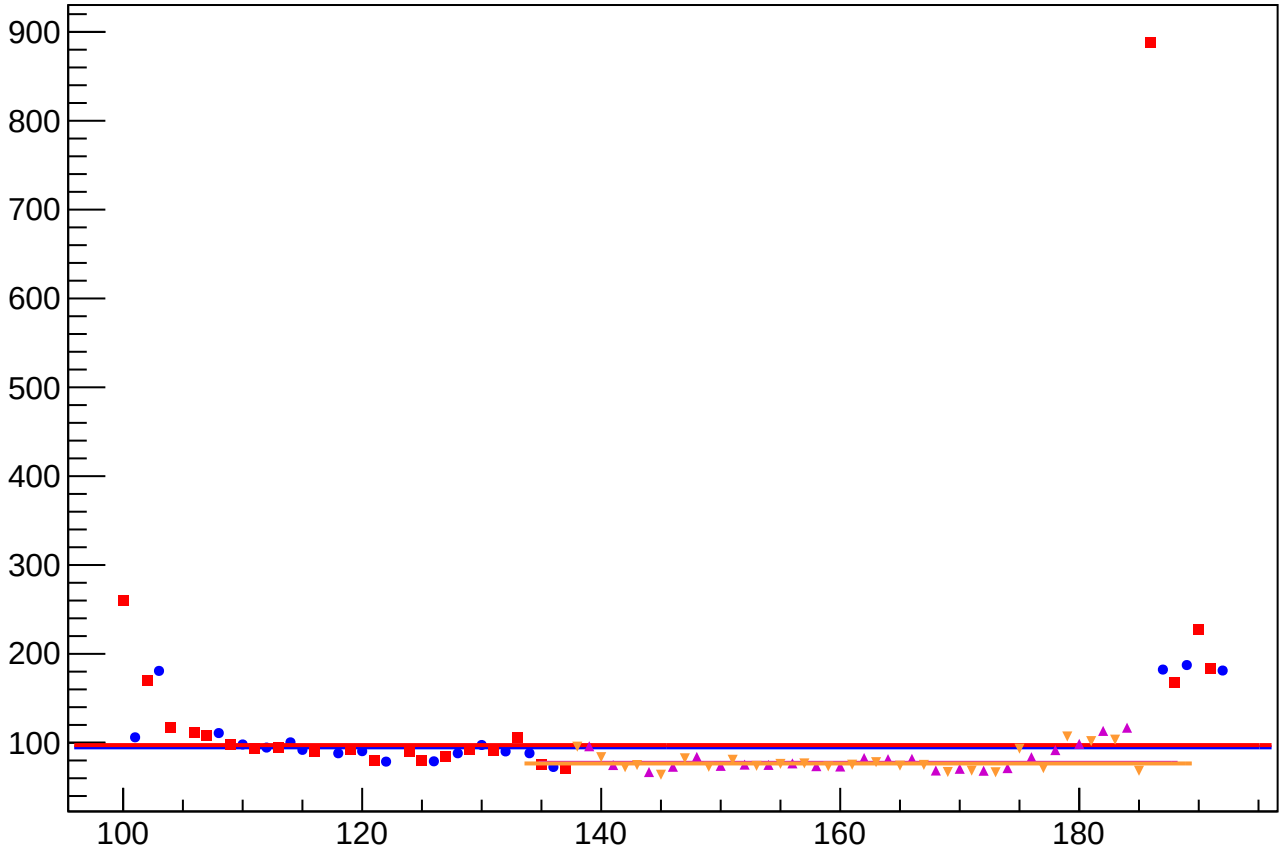
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.444+/-15.608 χ^2/NDF: 52.4/43

All: -17.546+/-11.212 χ^2/NDF: 125.8/89

- sign -67.640+/-16.116 χ^2/NDF: 54.6/45

cor_asym_sam_2468_avg_rms vs Slug



Right In: 94.784+/-0.024 χ^2/NDF: 1324026.4/18

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

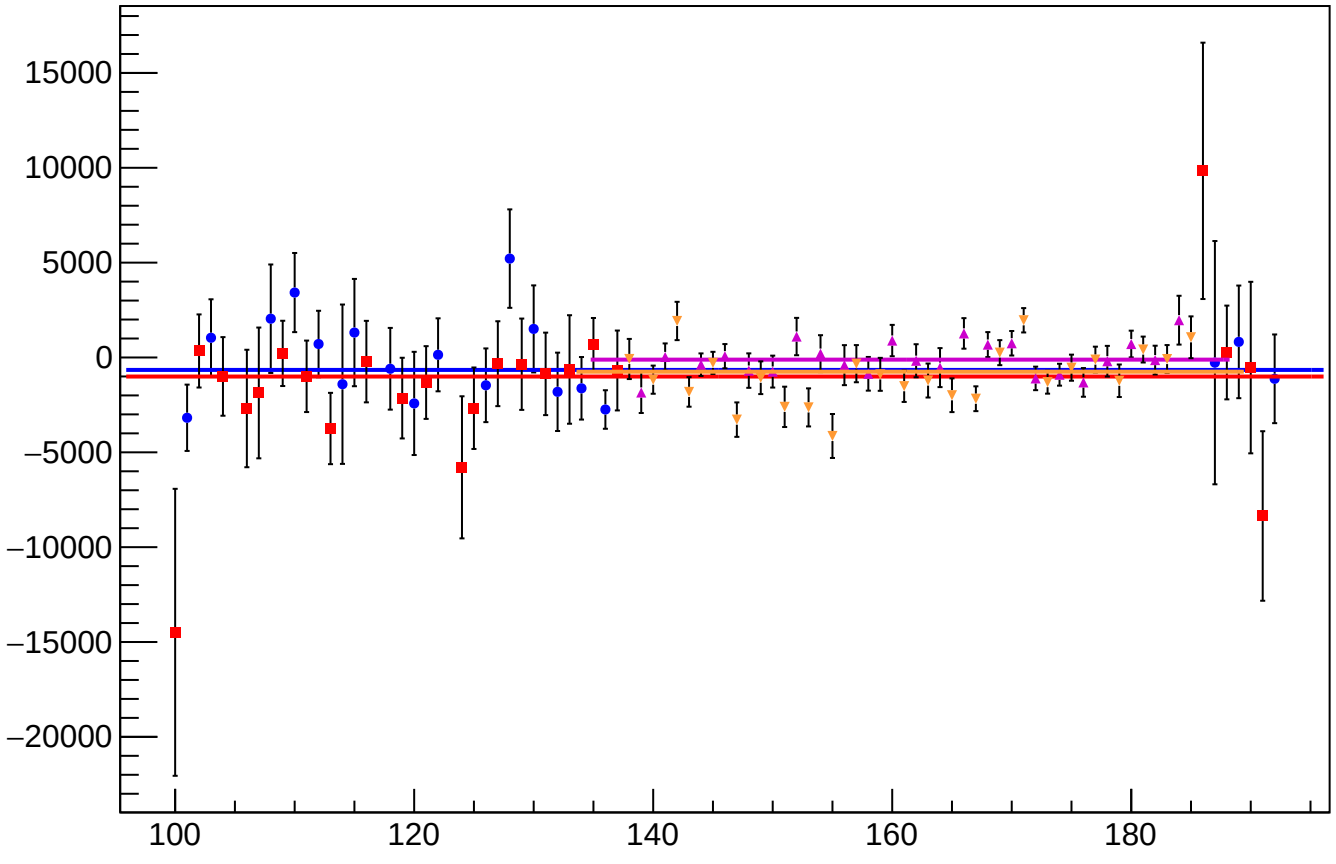
Right Out: 97.316+/-0.024 χ^2/NDF: 1890403.2/22

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 80.626+/-0.011 χ^2/NDF: 2441134.9/43

All: 81.223+/-0.008 χ^2/NDF: 5464933.9/89

- sign 81.859+/-0.011 χ^2/NDF: 3017750.4/45



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

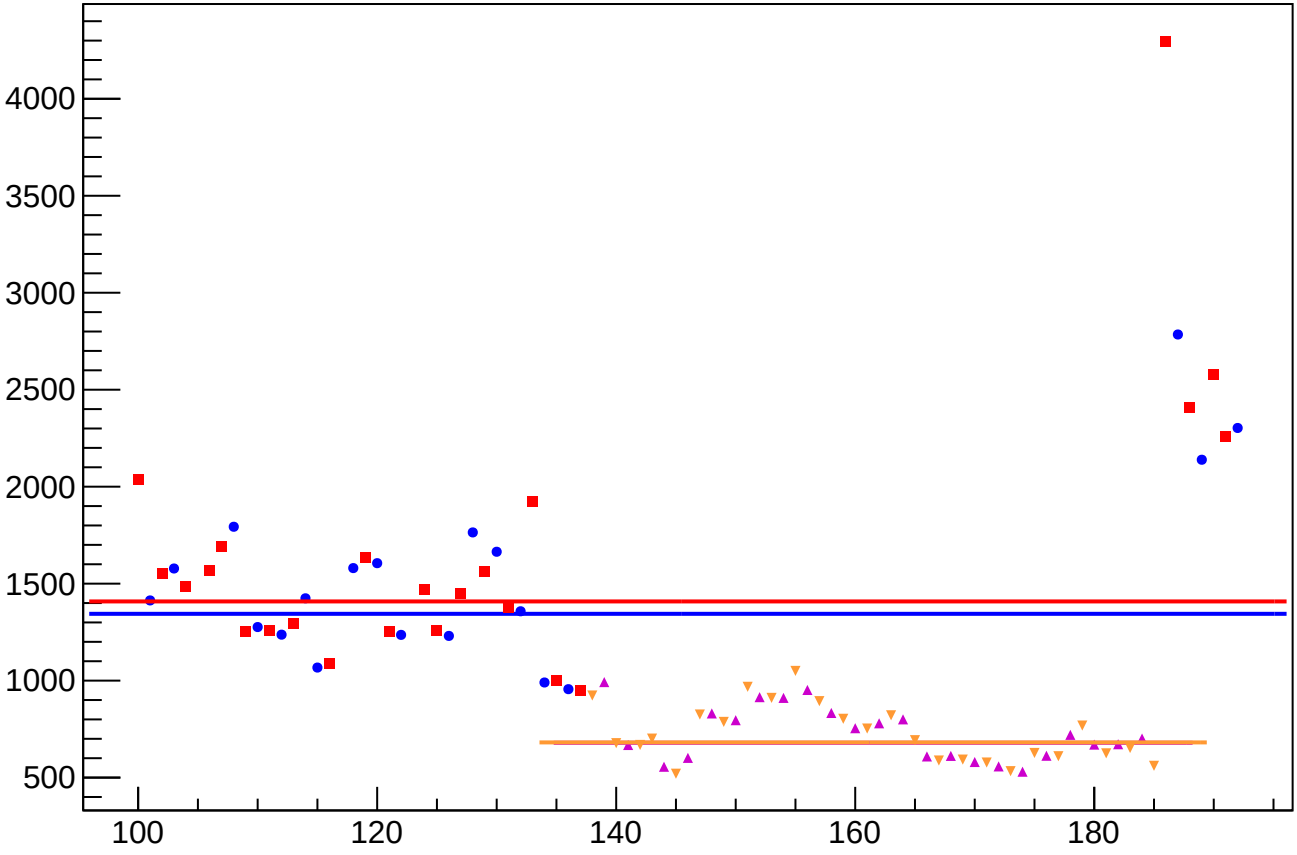
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -740.053+/-149.801 χ^2/NDF: 90.6/43

All: -478.569+/-107.156 χ^2/NDF: 141.5/89

- sign -204.566+/-153.345 χ^2/NDF: 44.7/45

asym_sam_2468_avg_cor_correction_rms vs Slug



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

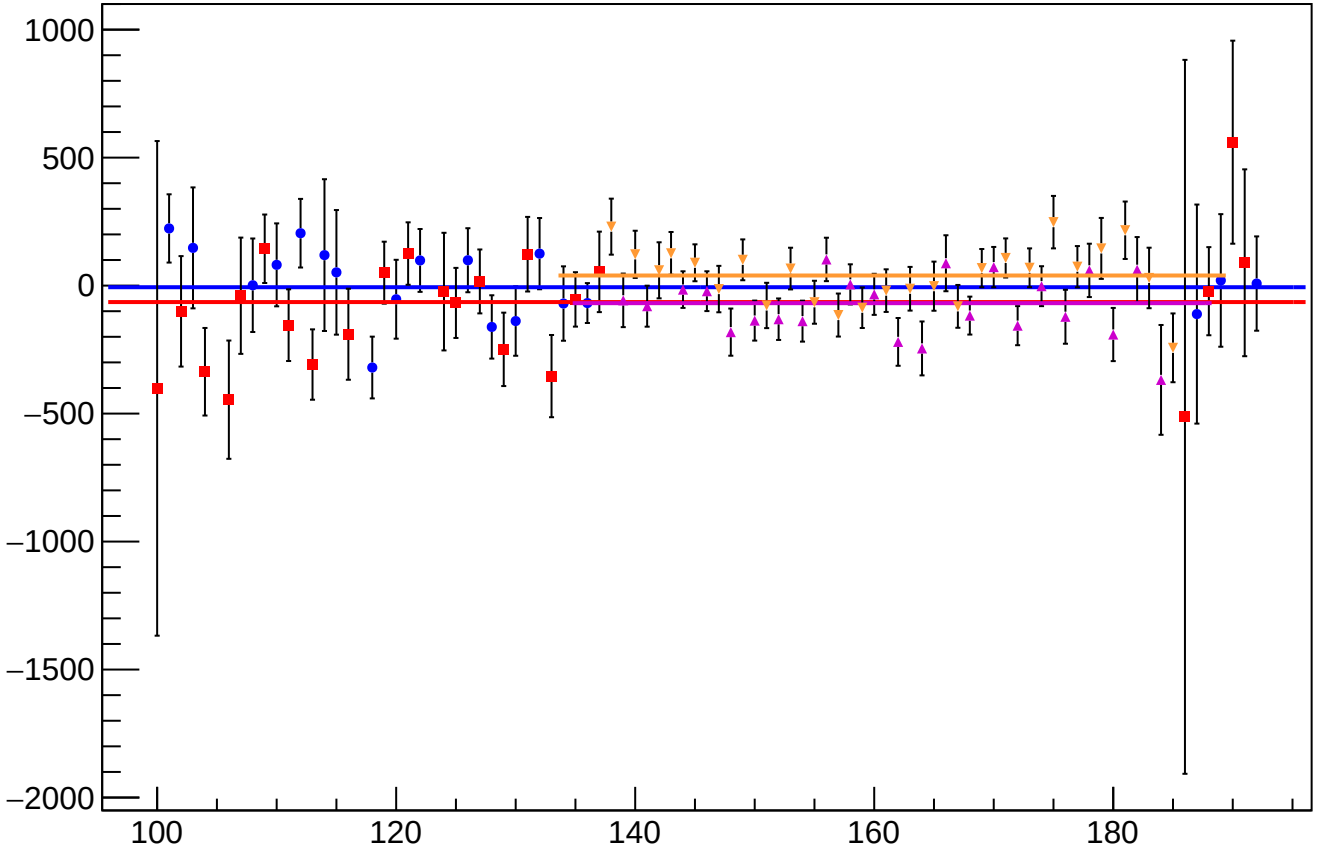
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 749.063+/-0.106 χ^2/NDF: 6143570.2/43

All: 751.317+/-0.076 χ^2/NDF: 12873975.7/89

- sign 753.678+/-0.108 χ^2/NDF: 6729478.6/45

eigen_cor_asym_sam_2468_avg_mean vs Slug



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

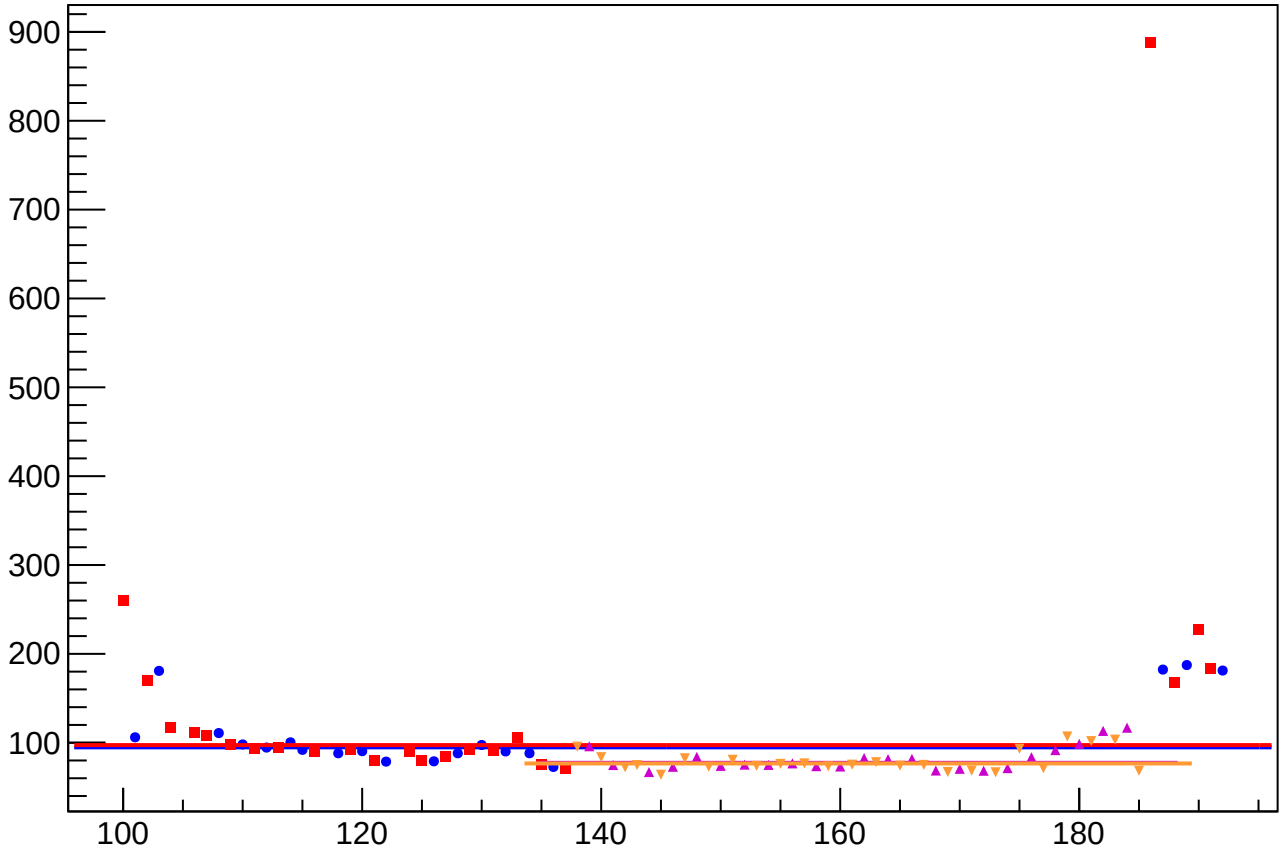
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.444+/-15.608 χ^2/NDF: 52.4/43

All: -17.546+/-11.212 χ^2/NDF: 125.8/89

- sign -67.640+/-16.116 χ^2/NDF: 54.6/45

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 94.784+/-0.024 χ^2/NDF: 1324026.4/18

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

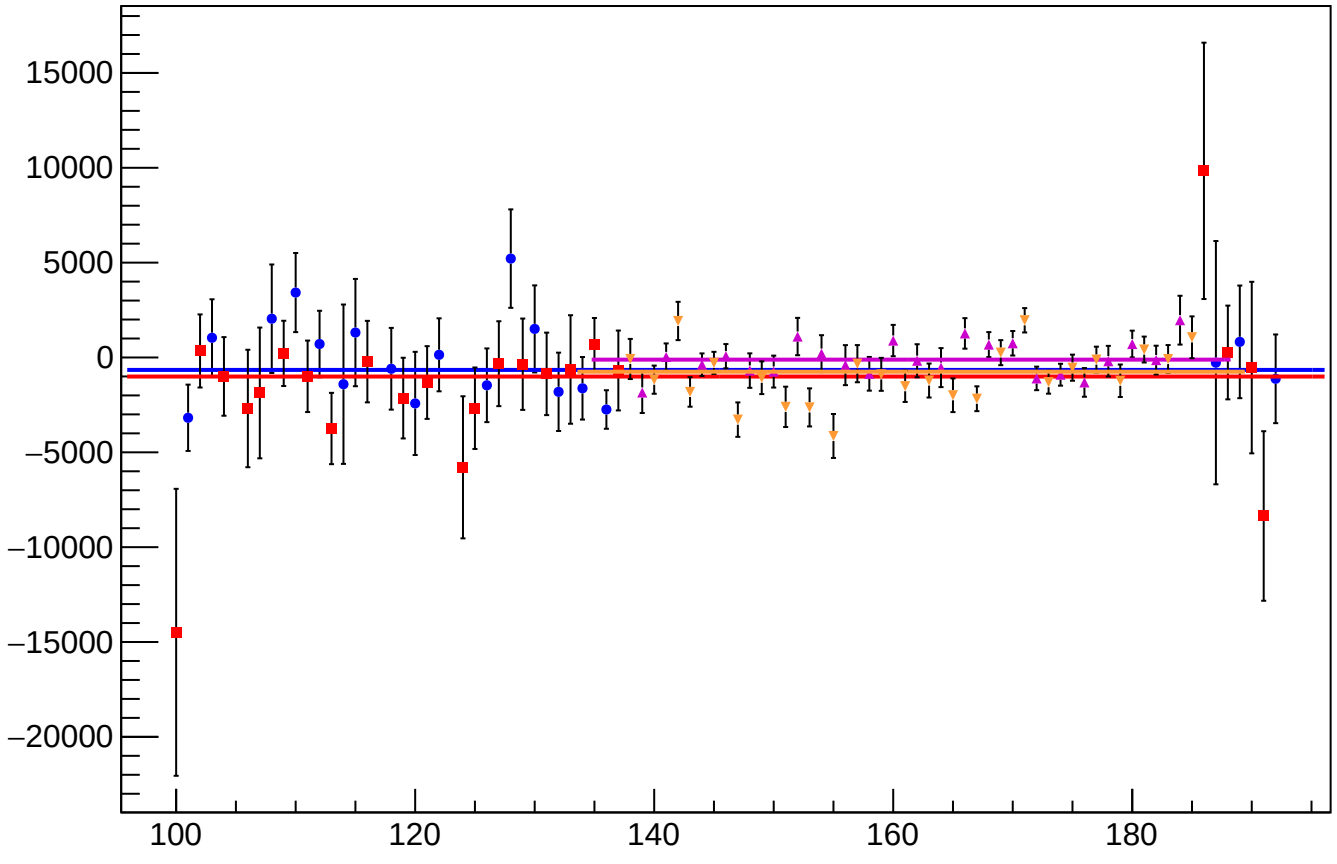
Right Out: 97.316+/-0.024 χ^2/NDF: 1890403.2/22

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 80.626+/-0.011 χ^2/NDF: 2441134.9/43

All: 81.223+/-0.008 χ^2/NDF: 5464933.9/89

- sign 81.859+/-0.011 χ^2/NDF: 3017750.4/45



Right In: -655.732+/-469.009 χ^2/NDF: 20.6/18

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

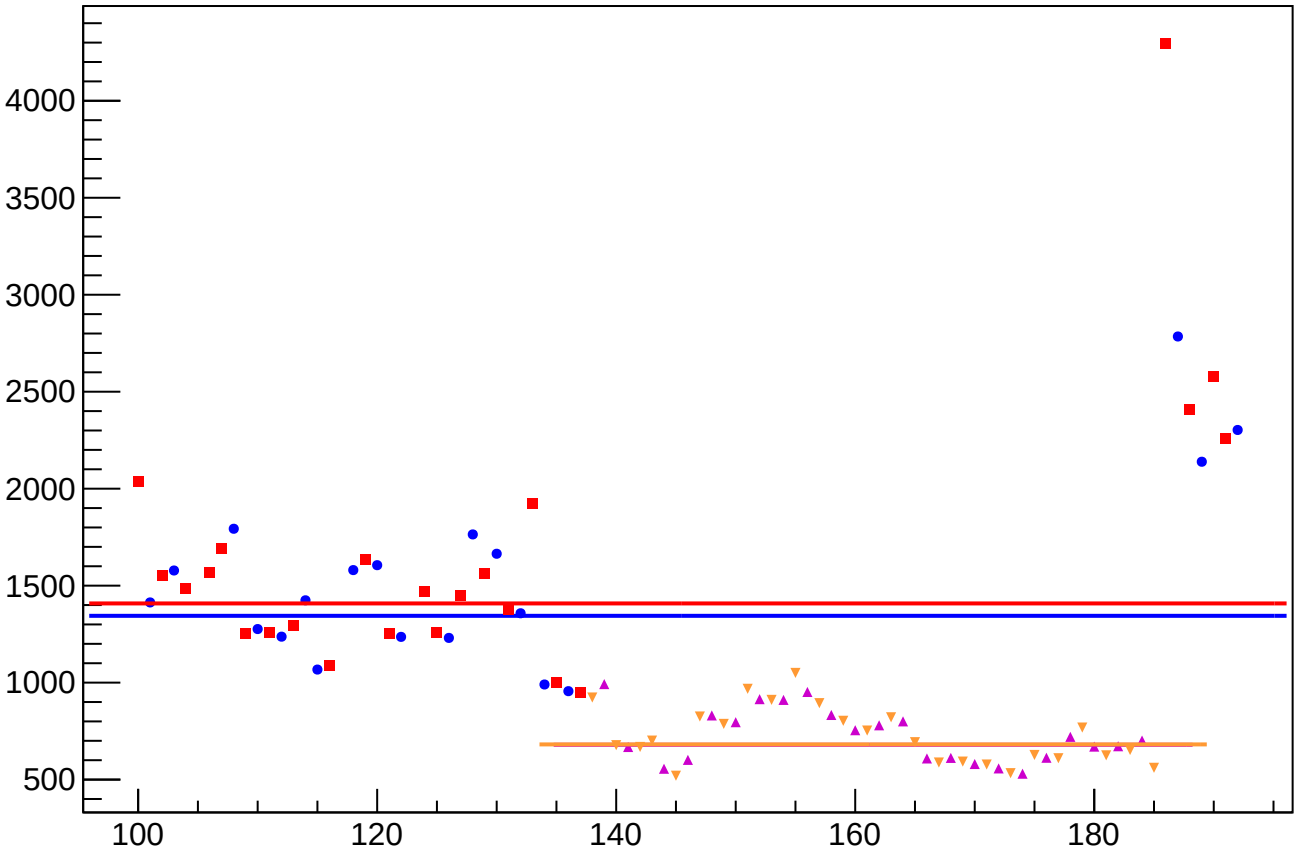
Right Out: -1004.685+/-480.416 χ^2/NDF: 16.5/22

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -740.053+/-149.801 χ^2/NDF: 90.6/43

All: -478.569+/-107.156 χ^2/NDF: 141.5/89

- sign -204.566+/-153.345 χ^2/NDF: 44.7/45



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

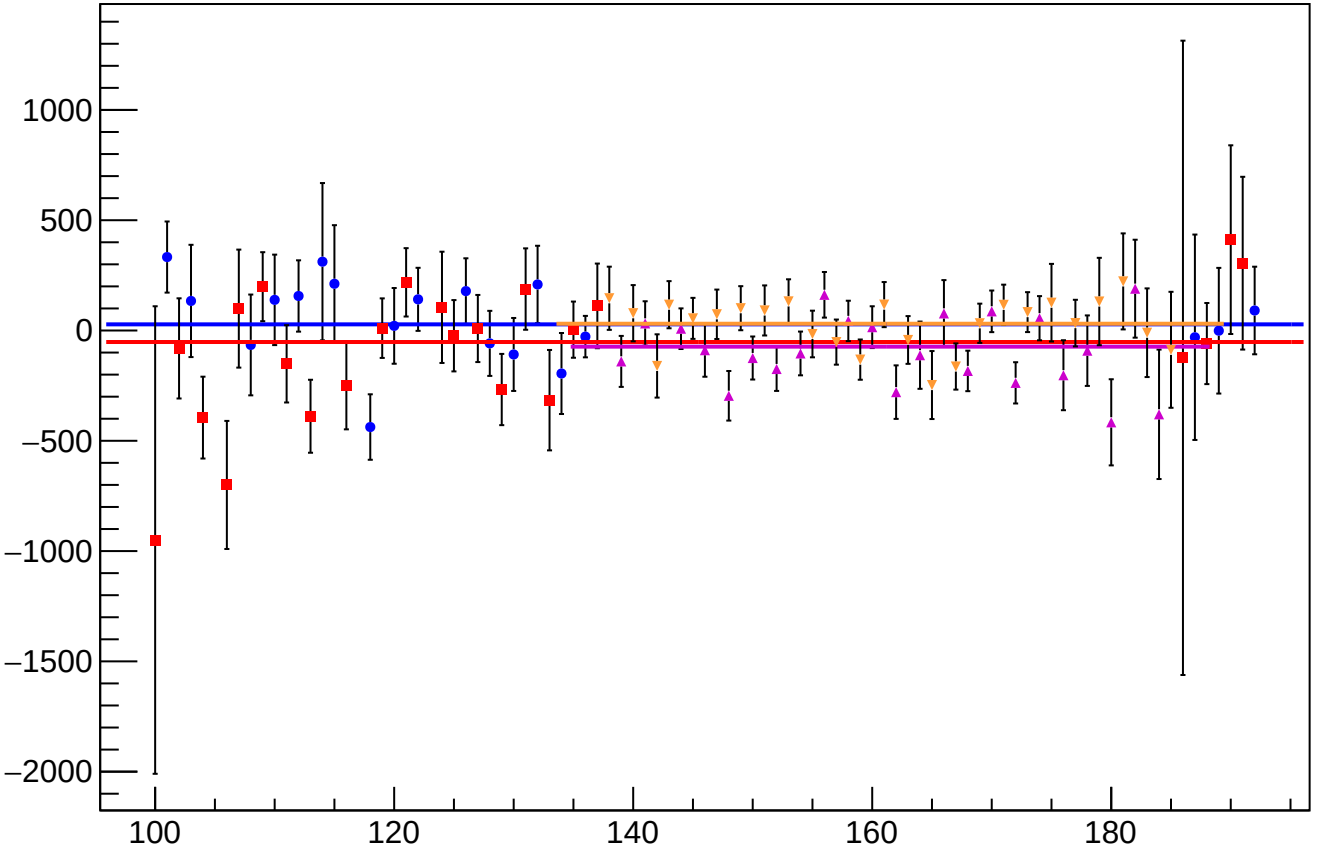
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 749.063+/-0.106 χ^2/NDF: 6143570.2/43

All: 751.317+/-0.076 χ^2/NDF: 12873975.7/89

- sign 753.678+/-0.108 χ^2/NDF: 6729478.6/45

dit_asym_sam_2468_avg_mean vs Slug



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

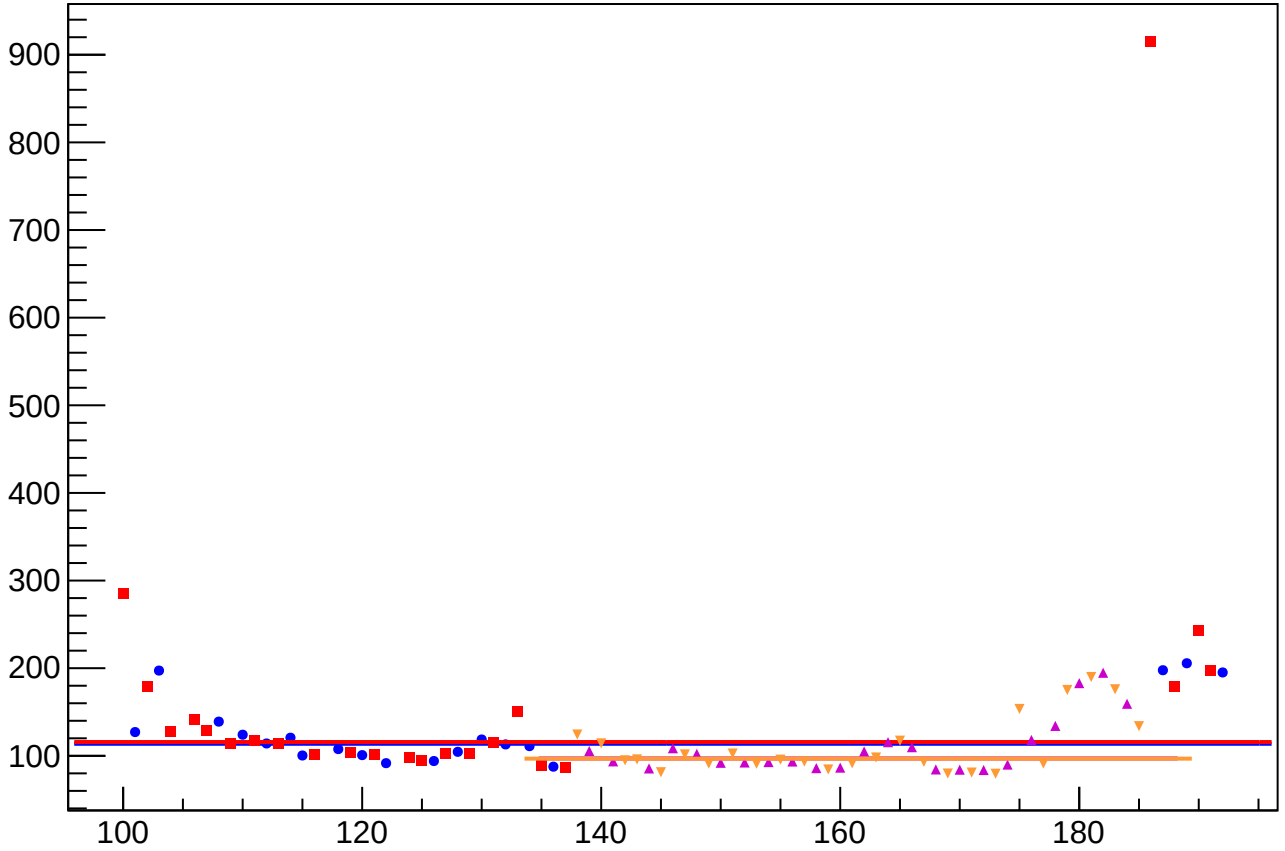
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 29.993+/-19.822 χ^2/NDF: 41.4/43

All: -17.770+/-14.176 χ^2/NDF: 117.1/89

- sign -67.775+/-20.282 χ^2/NDF: 63.8/45

dit_asym_sam_2468_avg_rms vs Slug



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

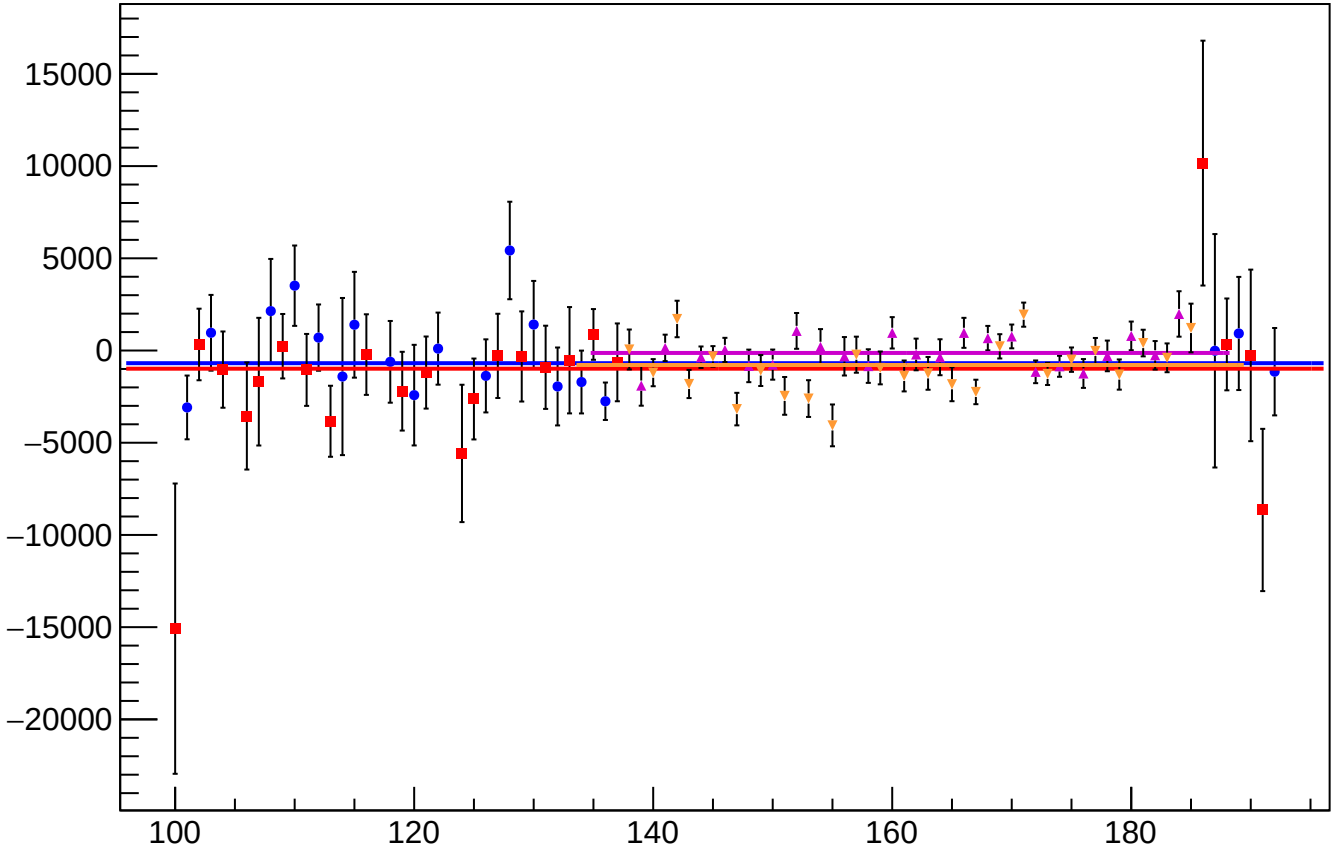
Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 101.002+/-0.014 χ^2/NDF: 3129587.9/43

All: 101.397+/-0.010 χ^2/NDF: 6431808.4/89

- sign 101.811+/-0.014 χ^2/NDF: 3300591.0/45

asym_sam_2468_avg_dit_correction_mean vs Slug



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

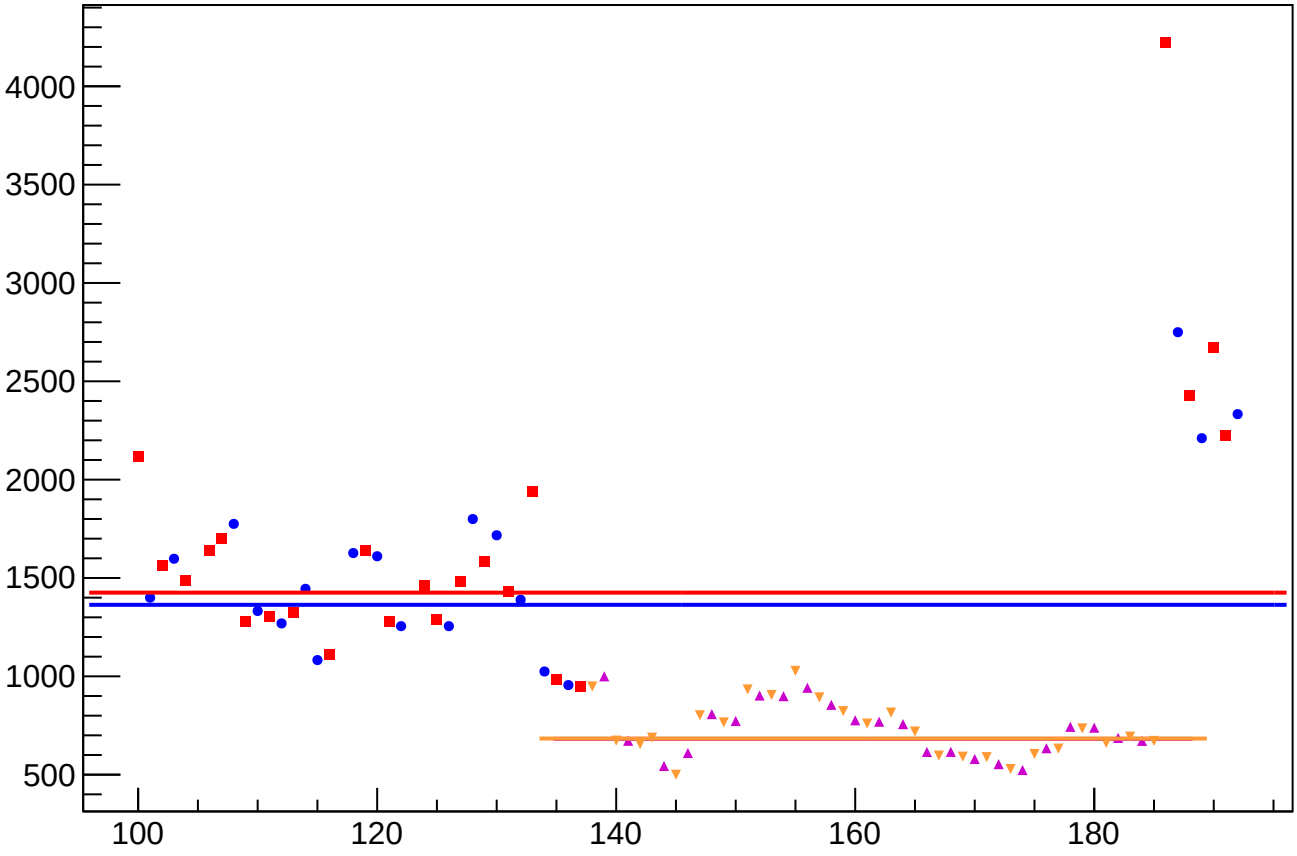
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -774.114+/-150.226 χ^2/NDF: 86.8/43

All: -502.730+/-107.531 χ^2/NDF: 138.5/89

- sign -217.582+/-153.988 χ^2/NDF: 45.0/45

asym_sam_2468_avg_dit_correction_rms vs Slug



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

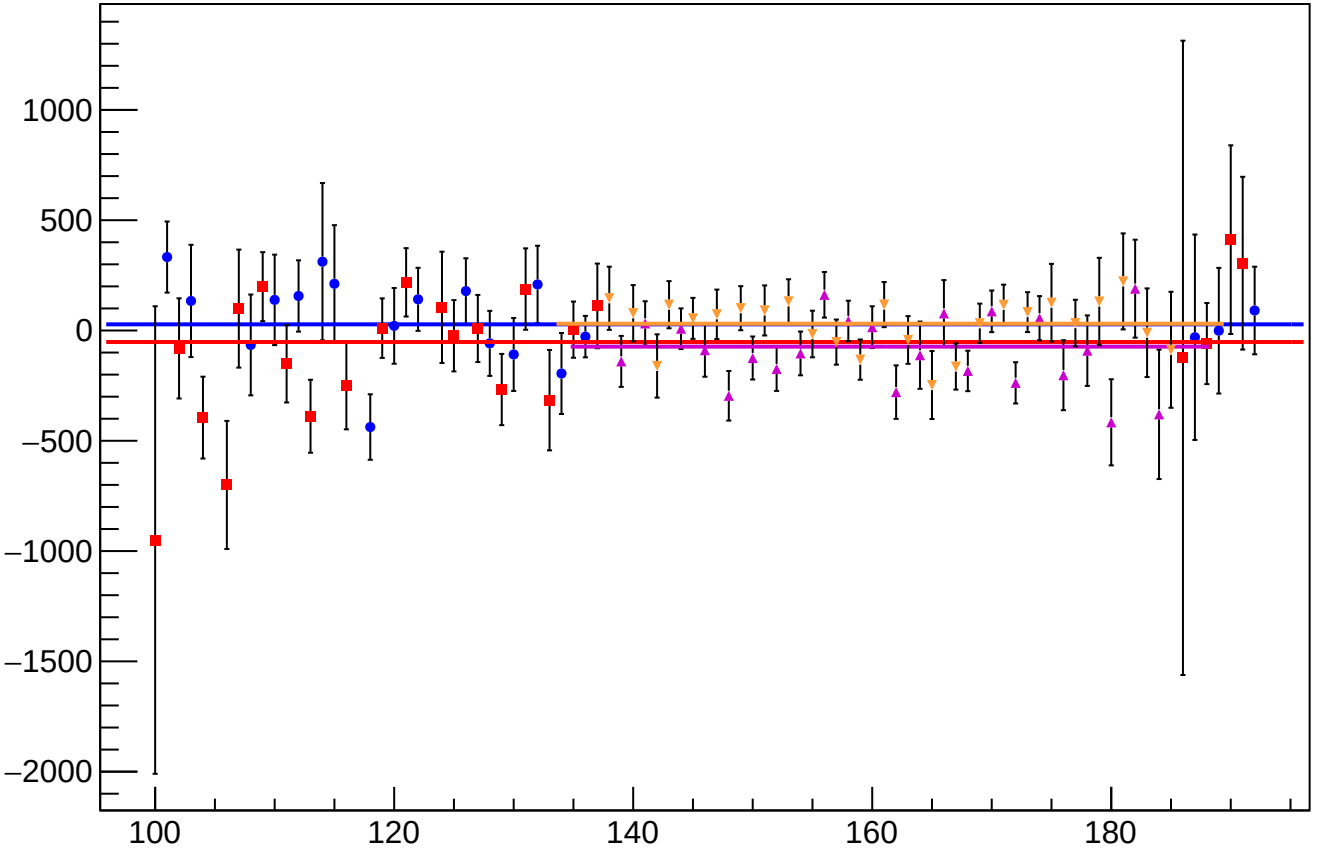
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 751.508+/-0.106 χ^2/NDF: 6213575.4/43

All: 754.221+/-0.076 χ^2/NDF: 13067090.3/89

- sign 757.072+/-0.109 χ^2/NDF: 6852177.5/45

eigen_dit_asym_sam_2468_avg_mean vs Slug



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

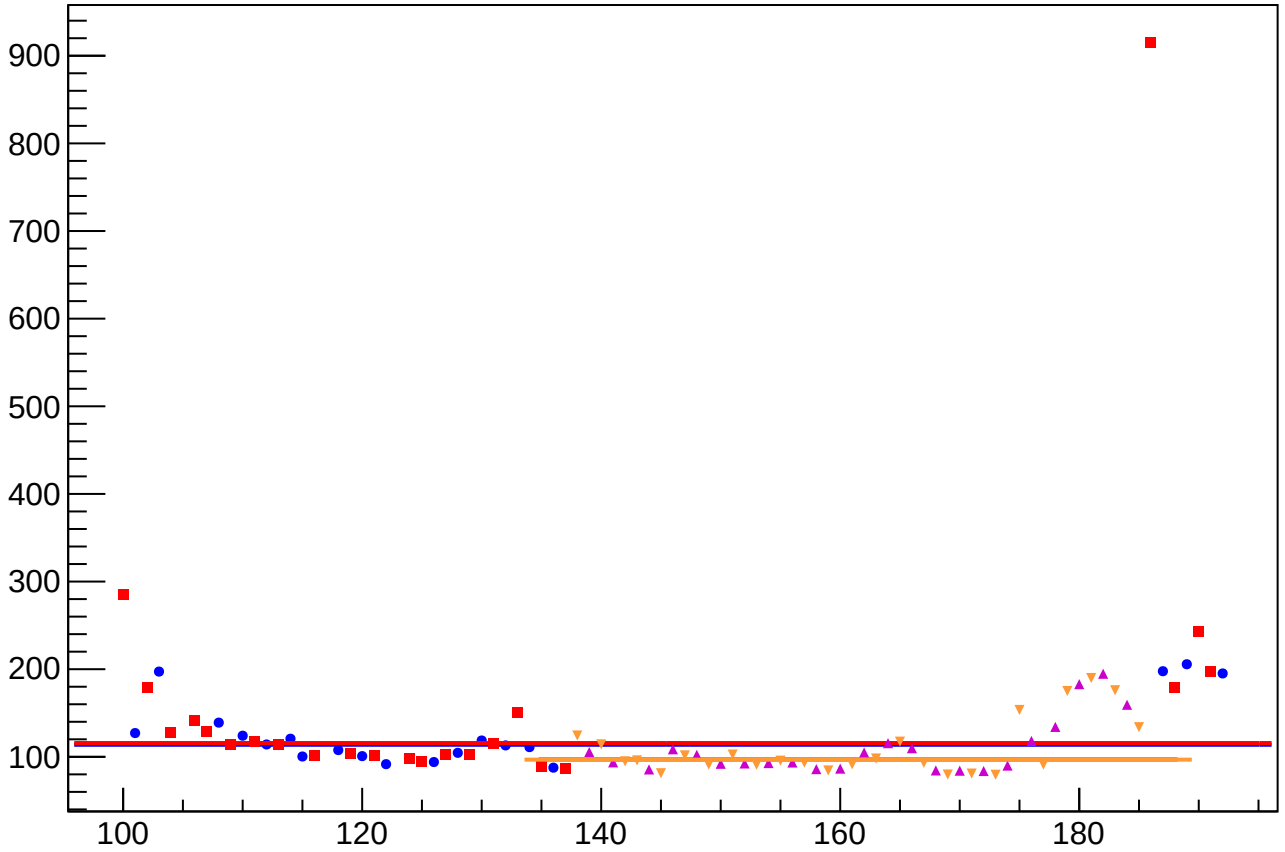
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 29.994+/-19.822 χ^2/NDF: 41.4/43

All: -17.769+/-14.176 χ^2/NDF: 117.1/89

- sign -67.774+/-20.282 χ^2/NDF: 63.8/45

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 113.768+/-0.028 χ^2/NDF: 1135747.6/18

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

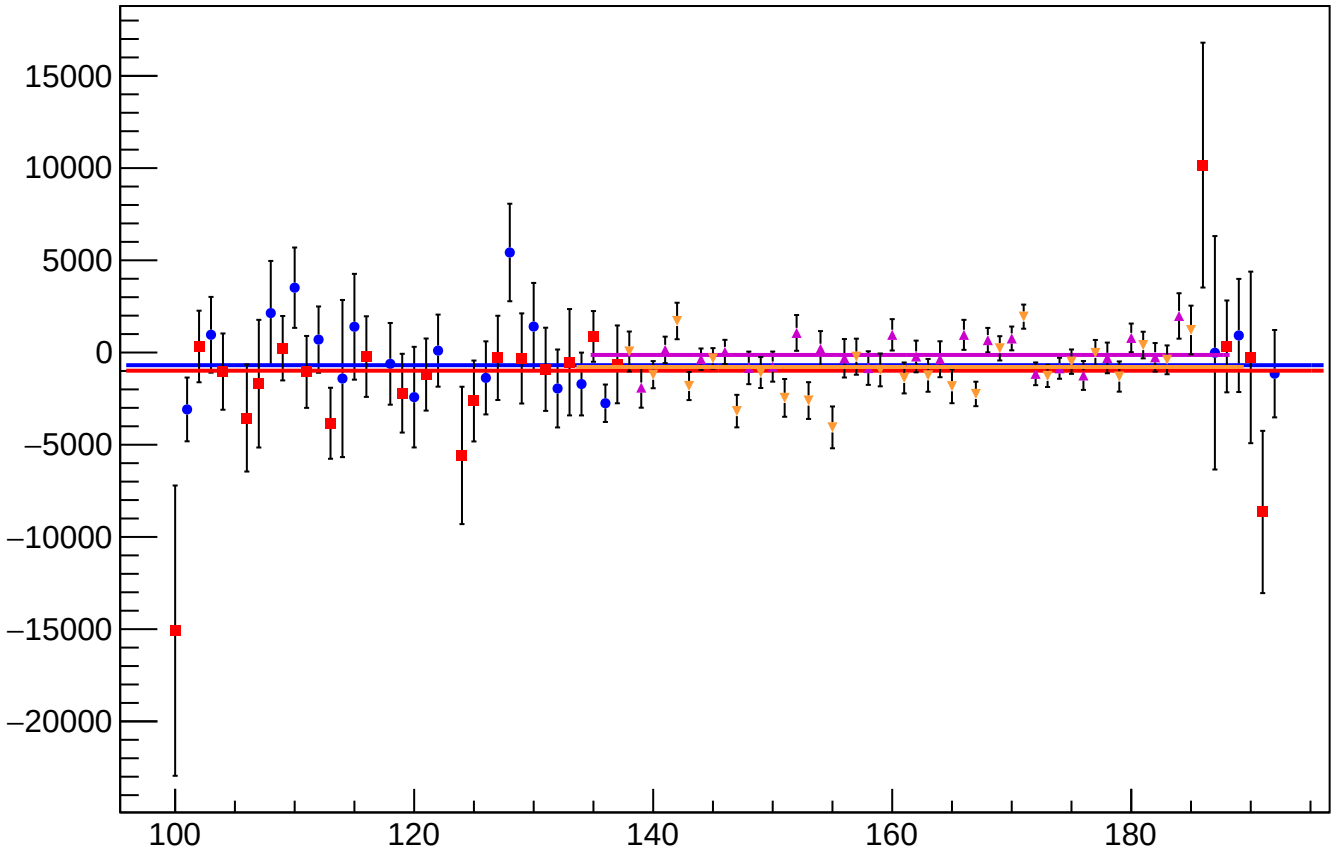
Right Out: 115.759+/-0.028 χ^2/NDF: 1654255.4/22

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 101.002+/-0.014 χ^2/NDF: 3129550.0/43

All: 101.397+/-0.010 χ^2/NDF: 6431731.6/89

- sign 101.811+/-0.014 χ^2/NDF: 3300551.9/45



Right In: -687.076+/-475.673 χ^2/NDF: 20.4/18

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

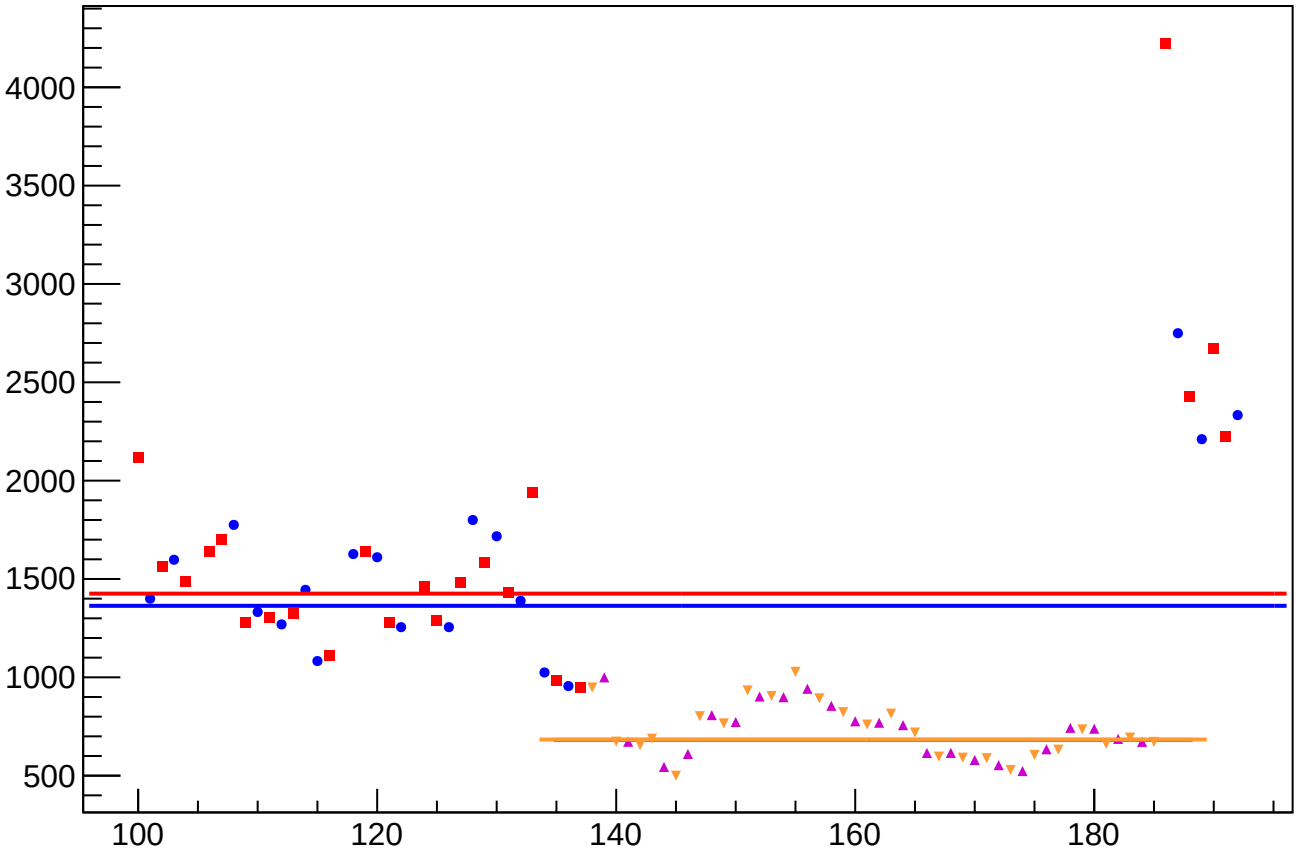
Right Out: -984.738+/-484.500 χ^2/NDF: 17.9/22

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -774.111+/-150.225 χ^2/NDF: 86.8/43

All: -502.729+/-107.531 χ^2/NDF: 138.5/89

- sign -217.581+/-153.988 χ^2/NDF: 45.0/45



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

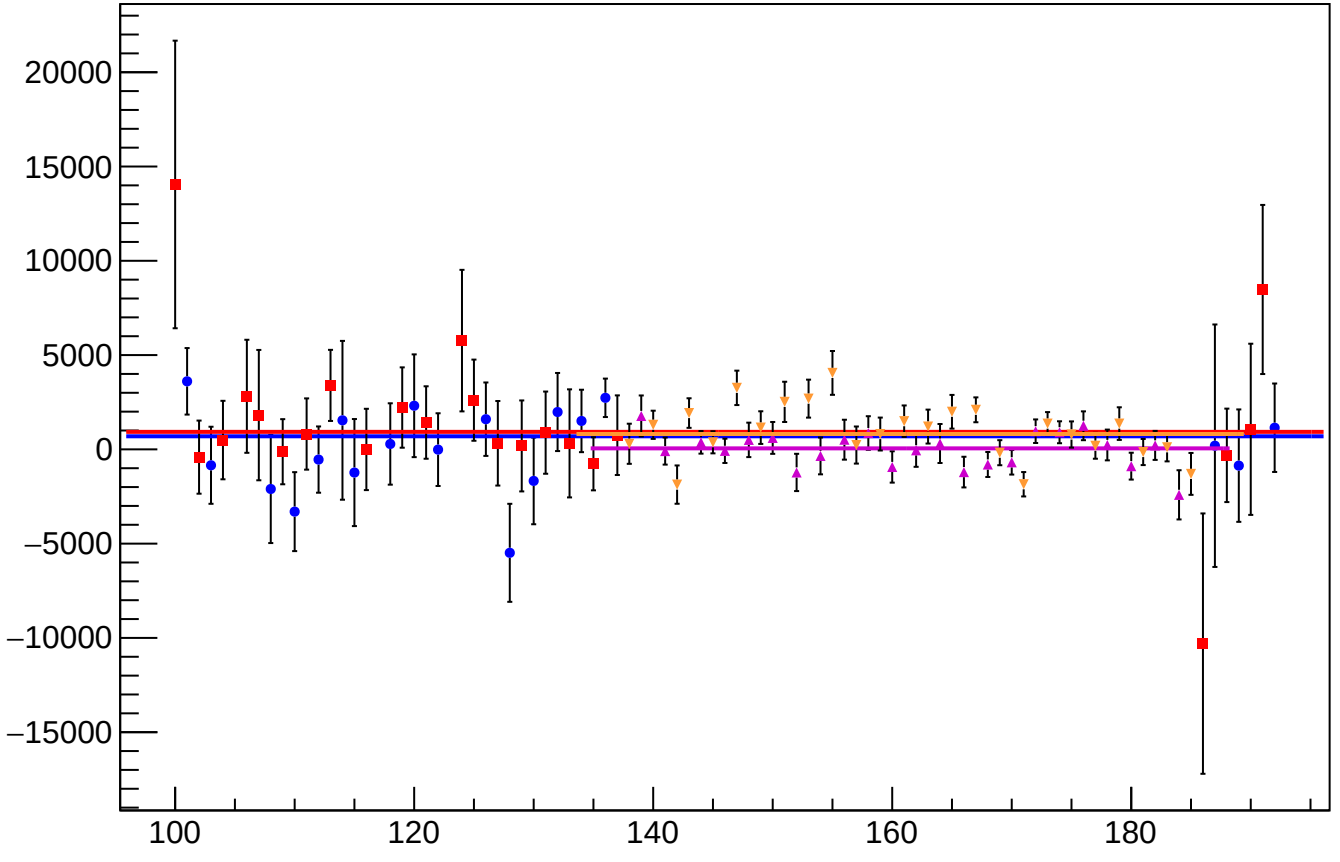
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 751.507+/-0.106 χ^2/NDF: 6213580.9/43

All: 754.220+/-0.076 χ^2/NDF: 13067098.0/89

- sign 757.070+/-0.109 χ^2/NDF: 6852179.6/45

asym_sam_2468_avg_mean vs Slug



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

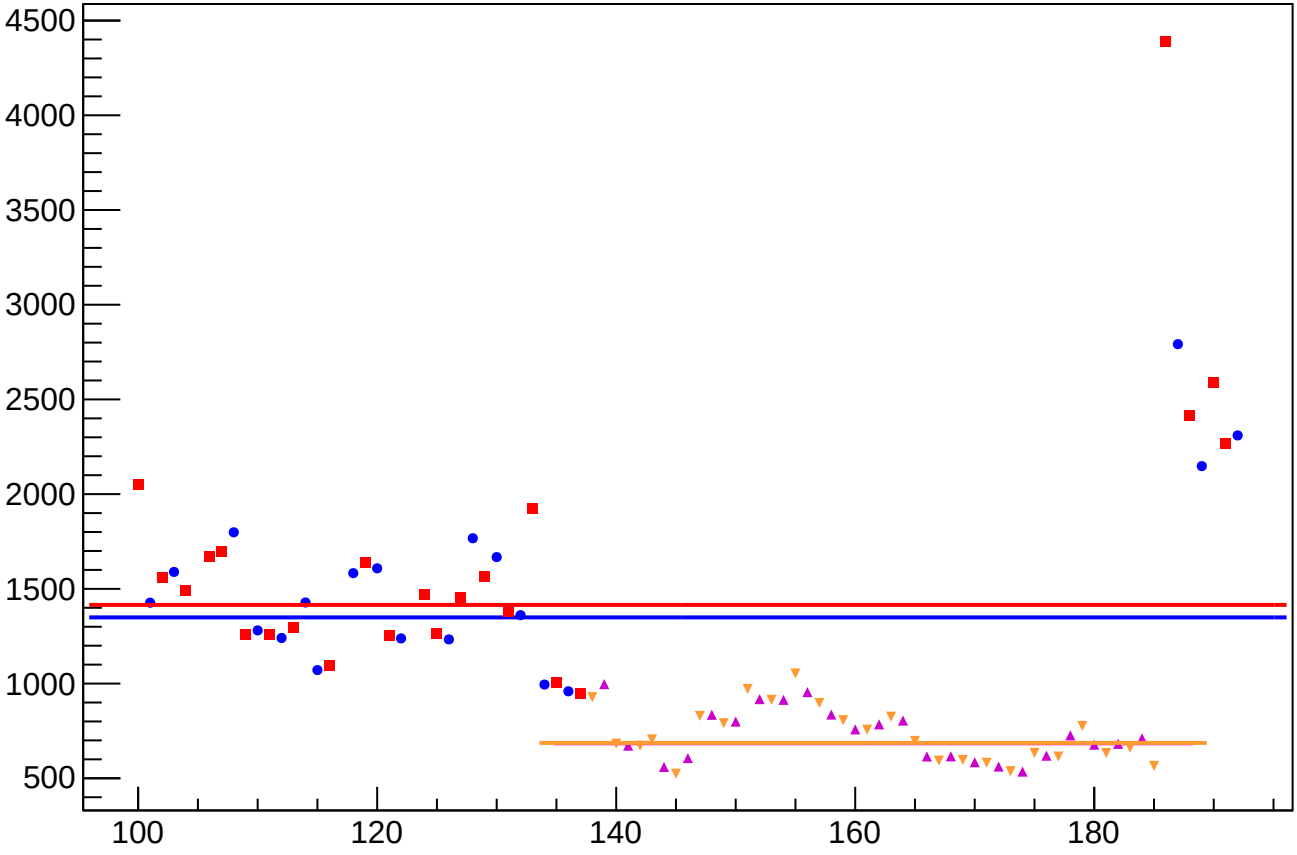
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 801.597+/-150.855 χ^2/NDF: 87.1/43

All: 479.699+/-107.910 χ^2/NDF: 141.1/89

- sign 142.394+/-154.423 χ^2/NDF: 44.7/45

asym_sam_2468_avg_rms vs Slug



Right In: 1349.343+/-0.333 χ^2/NDF: 1220058.3/18

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

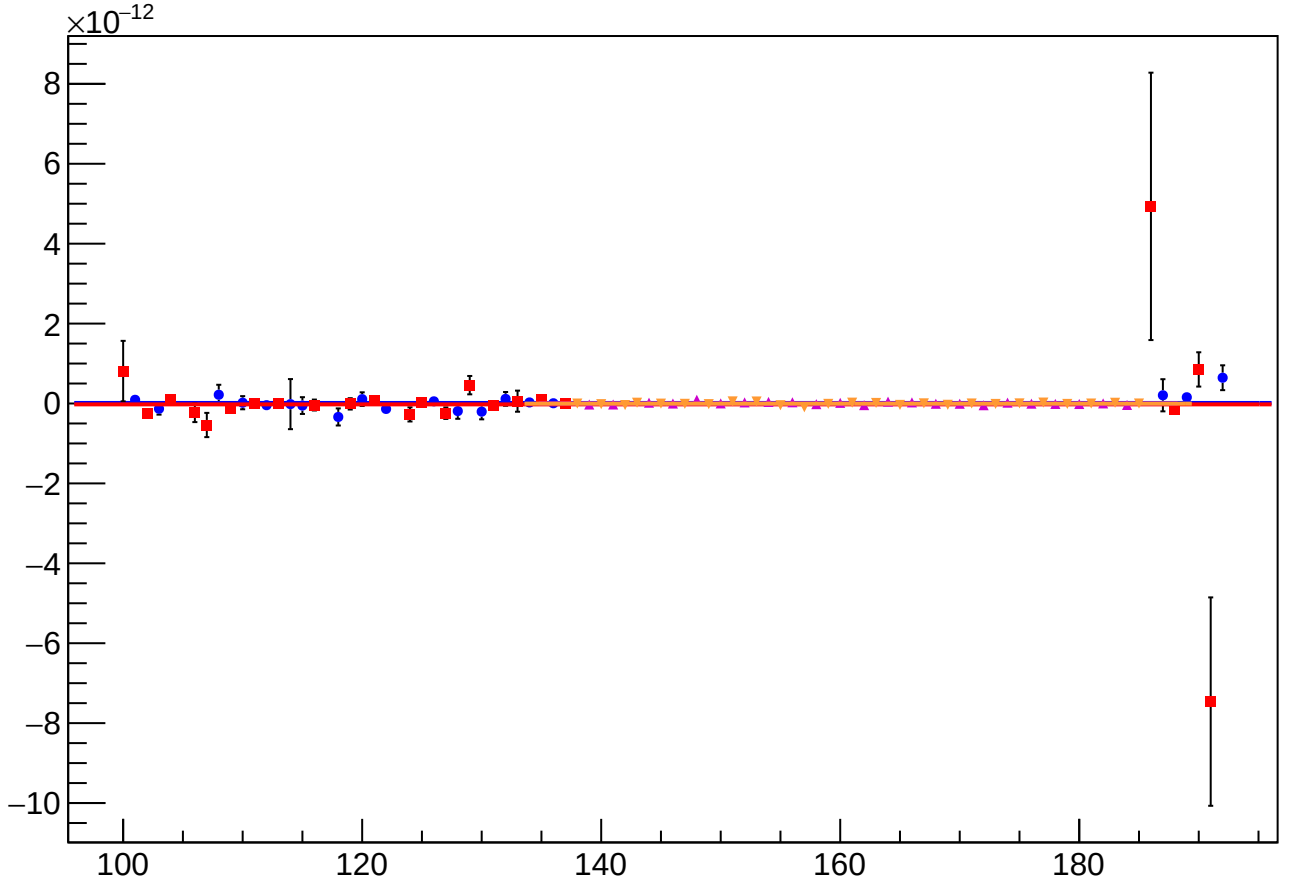
Right Out: 1415.225+/-0.340 χ^2/NDF: 1425772.0/22

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 754.764+/-0.107 χ^2/NDF: 6088901.3/43

All: 757.271+/-0.076 χ^2/NDF: 12810583.6/89

- sign 759.899+/-0.109 χ^2/NDF: 6720550.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

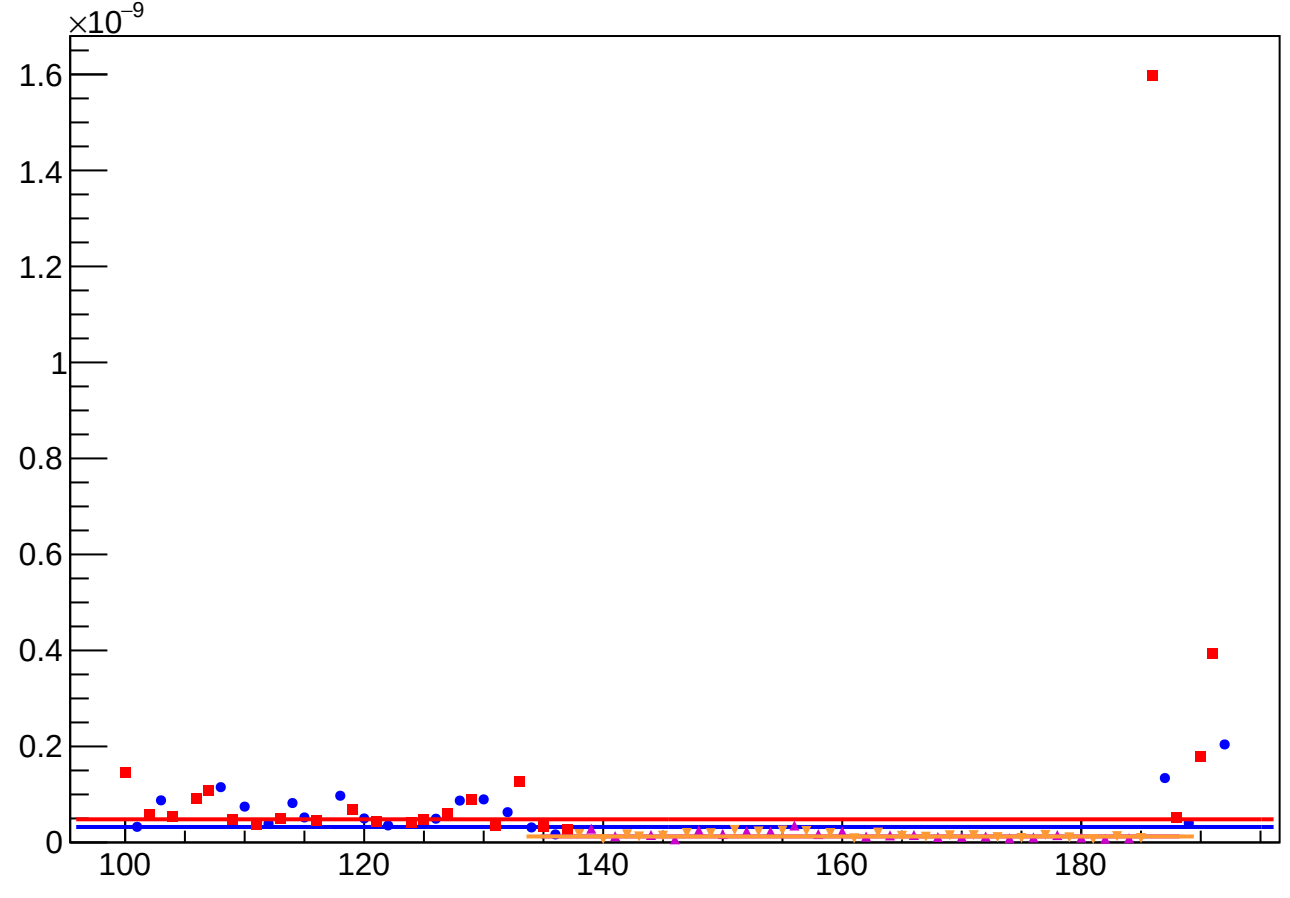
Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/22

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.5/43

All: -0.000+/-0.000 χ^2/NDF: 95.6/89

- sign -0.000+/-0.000 χ^2/NDF: 61.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 2669394.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

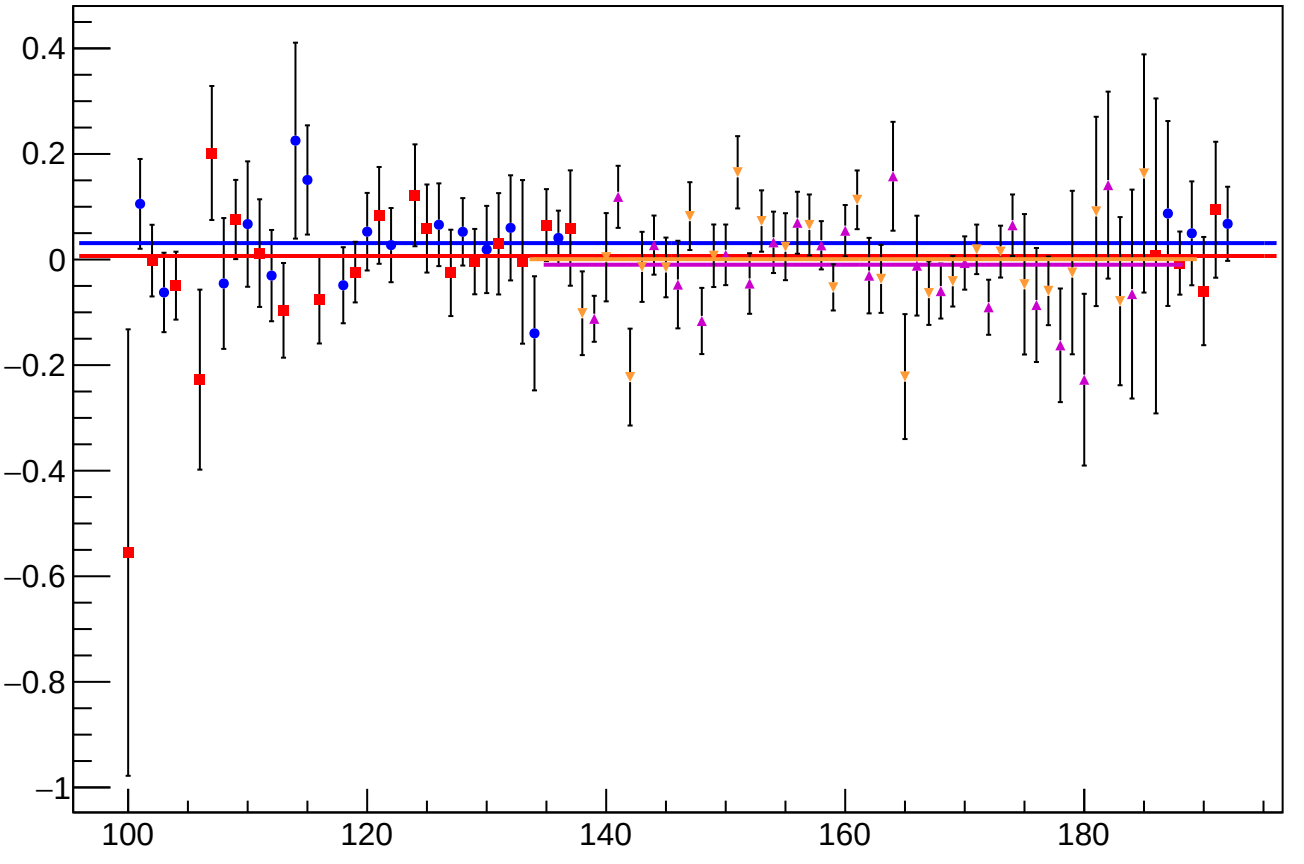
Right Out: 0.000+/-0.000 χ^2/NDF: 1374711.5/22

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6047113.7/43

All: 0.000+/-0.000 χ^2/NDF: 12635820.6/89

- sign 0.000+/-0.000 χ^2/NDF: 6584016.3/45



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

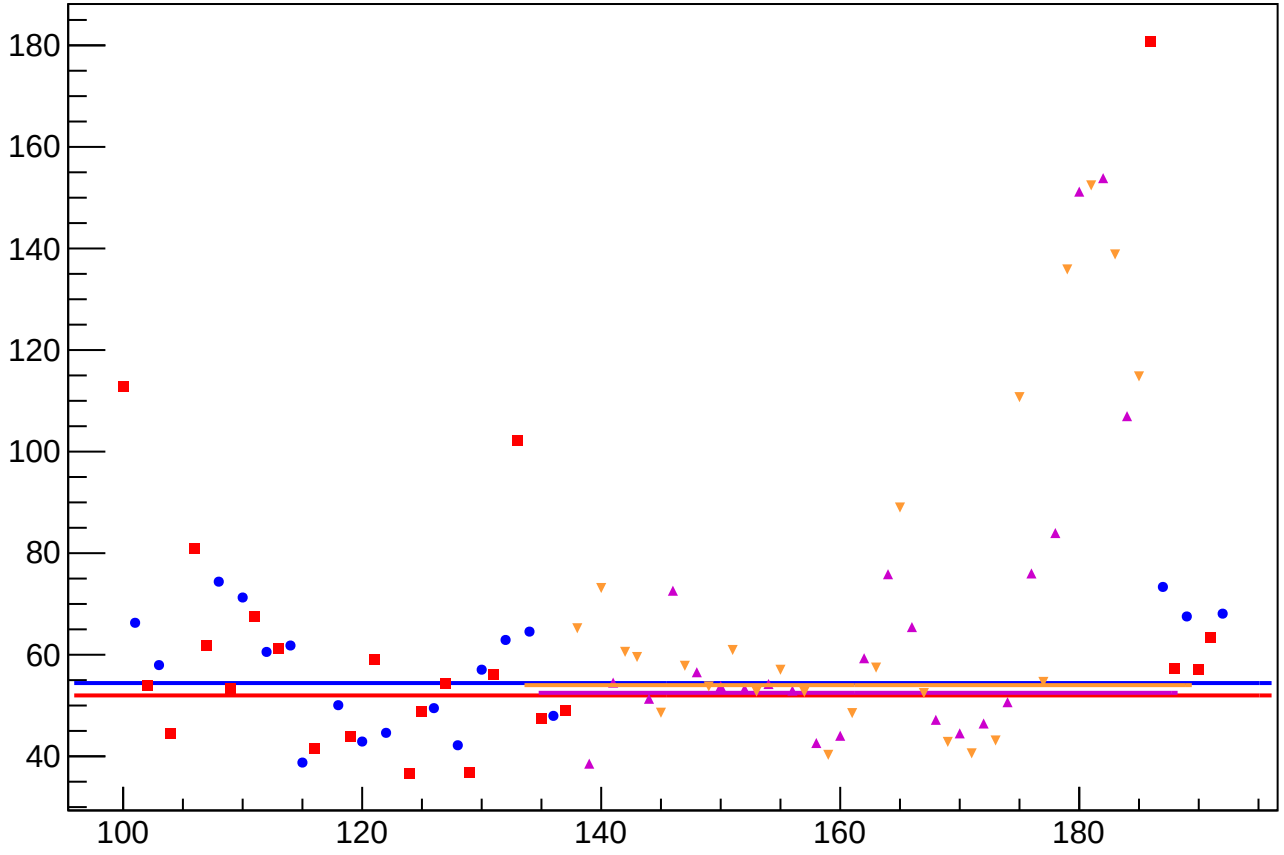
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.011+/-0.011 χ^2/NDF: 43.8/43

All: 0.003+/-0.008 χ^2/NDF: 92.0/89

- sign -0.004+/-0.011 χ^2/NDF: 47.3/45

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 54.425+/-0.014 χ^2/NDF: 571387.3/18

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

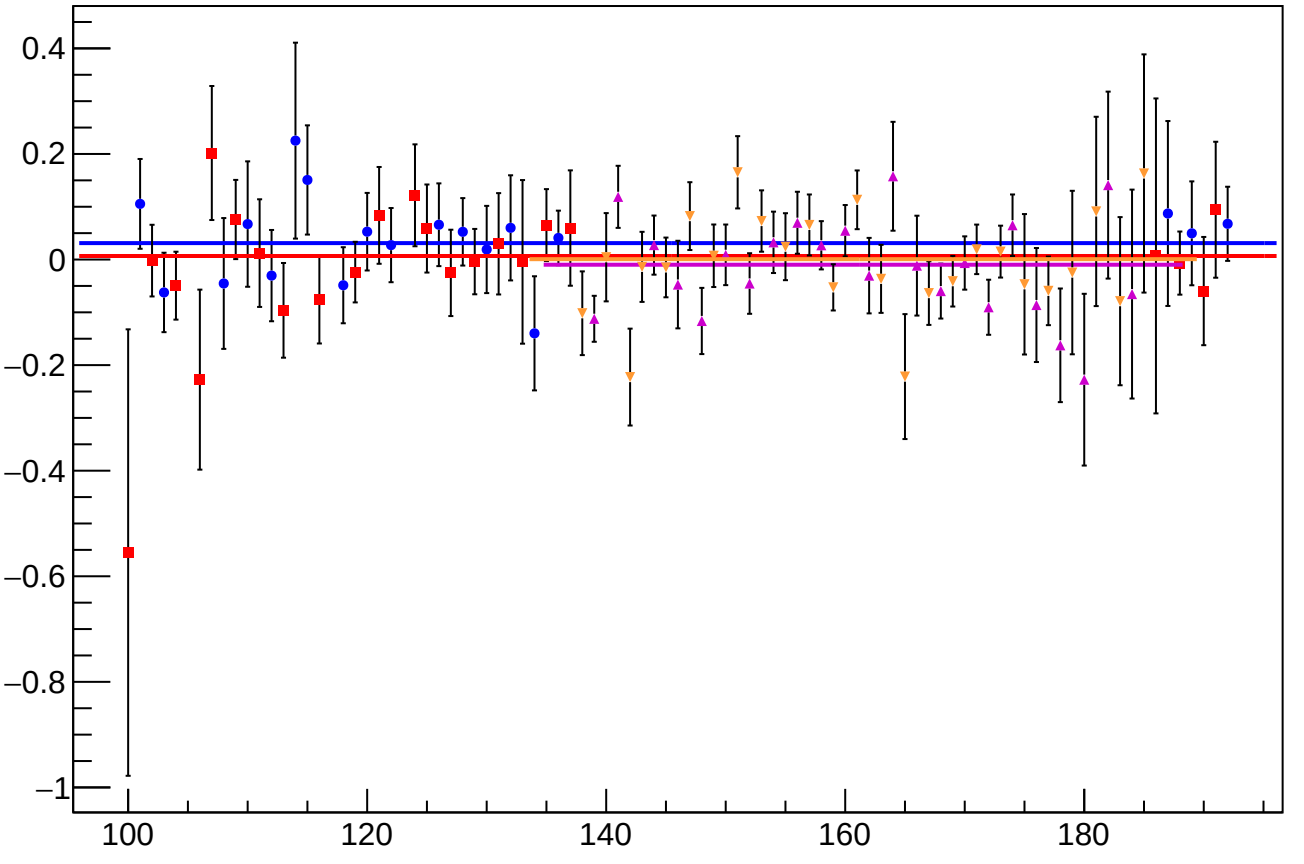
Right Out: 51.987+/-0.013 χ^2/NDF: 1098738.4/22

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 54.147+/-0.008 χ^2/NDF: 3799562.3/43

All: 53.216+/-0.005 χ^2/NDF: 7485864.1/89

- sign 52.322+/-0.008 χ^2/NDF: 3657564.4/45



Right In: 0.031+/-0.019 χ^2/NDF: 10.4/18

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

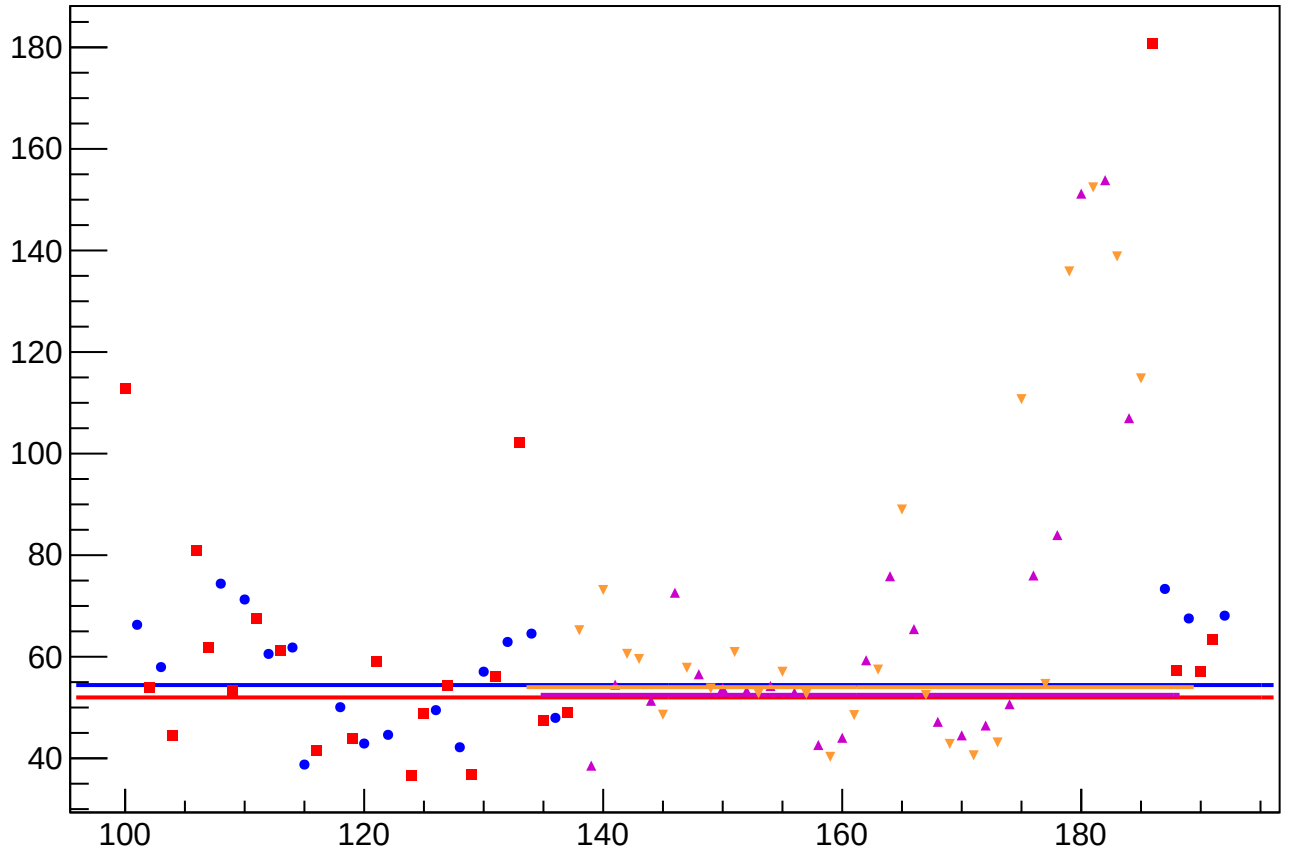
Right Out: 0.007+/-0.018 χ^2/NDF: 14.9/22

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.011+/-0.011 χ^2/NDF: 43.8/43

All: 0.003+/-0.008 χ^2/NDF: 92.0/89

- sign -0.004+/-0.011 χ^2/NDF: 47.3/45



Right In: 54.425+/-0.014 χ^2/NDF: 571387.3/18

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

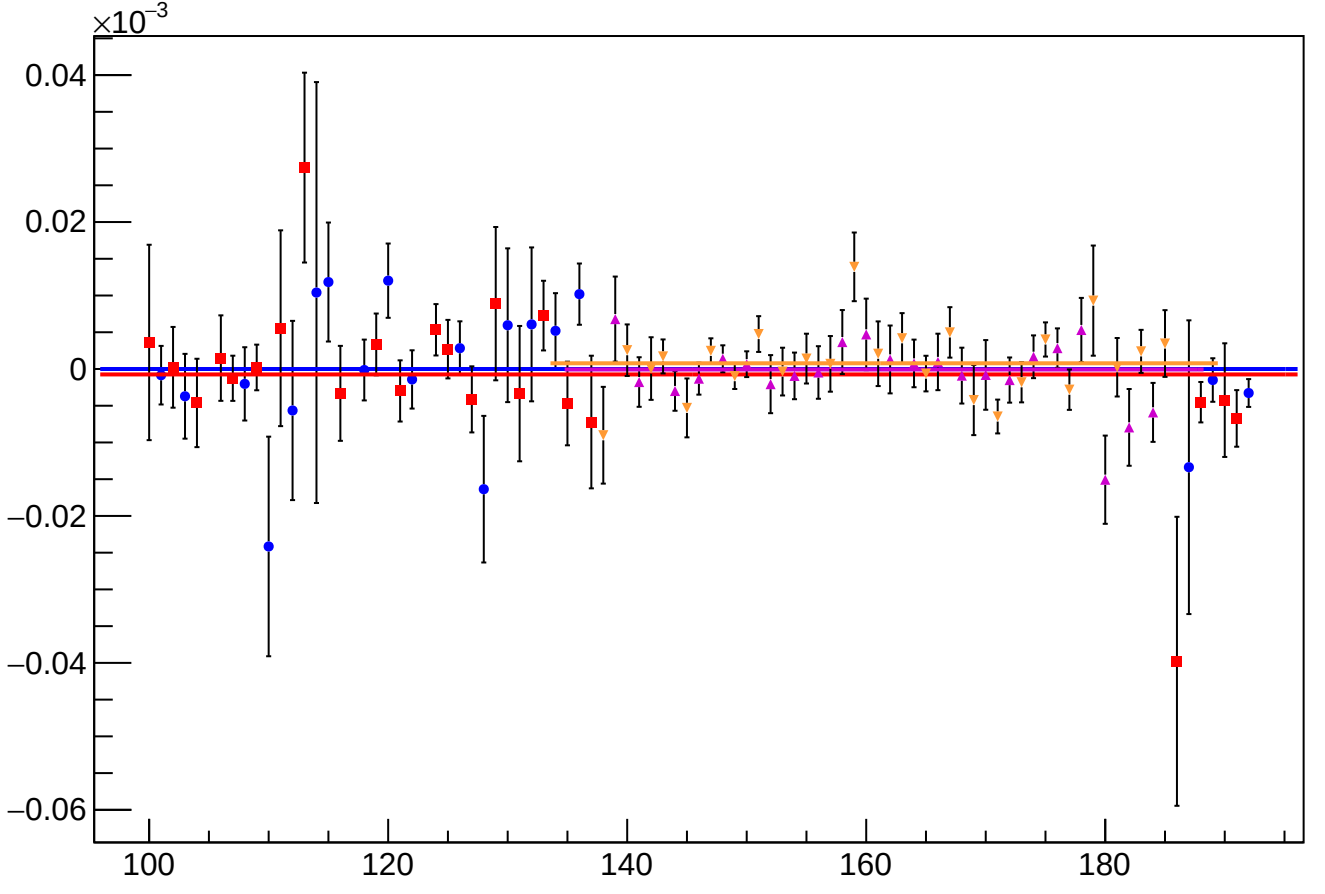
Right Out: 51.987+/-0.013 χ^2/NDF: 1098738.4/22

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 54.147+/-0.008 χ^2/NDF: 3799562.3/43

All: 53.216+/-0.005 χ^2/NDF: 7485864.1/89

- sign 52.322+/-0.008 χ^2/NDF: 3657564.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

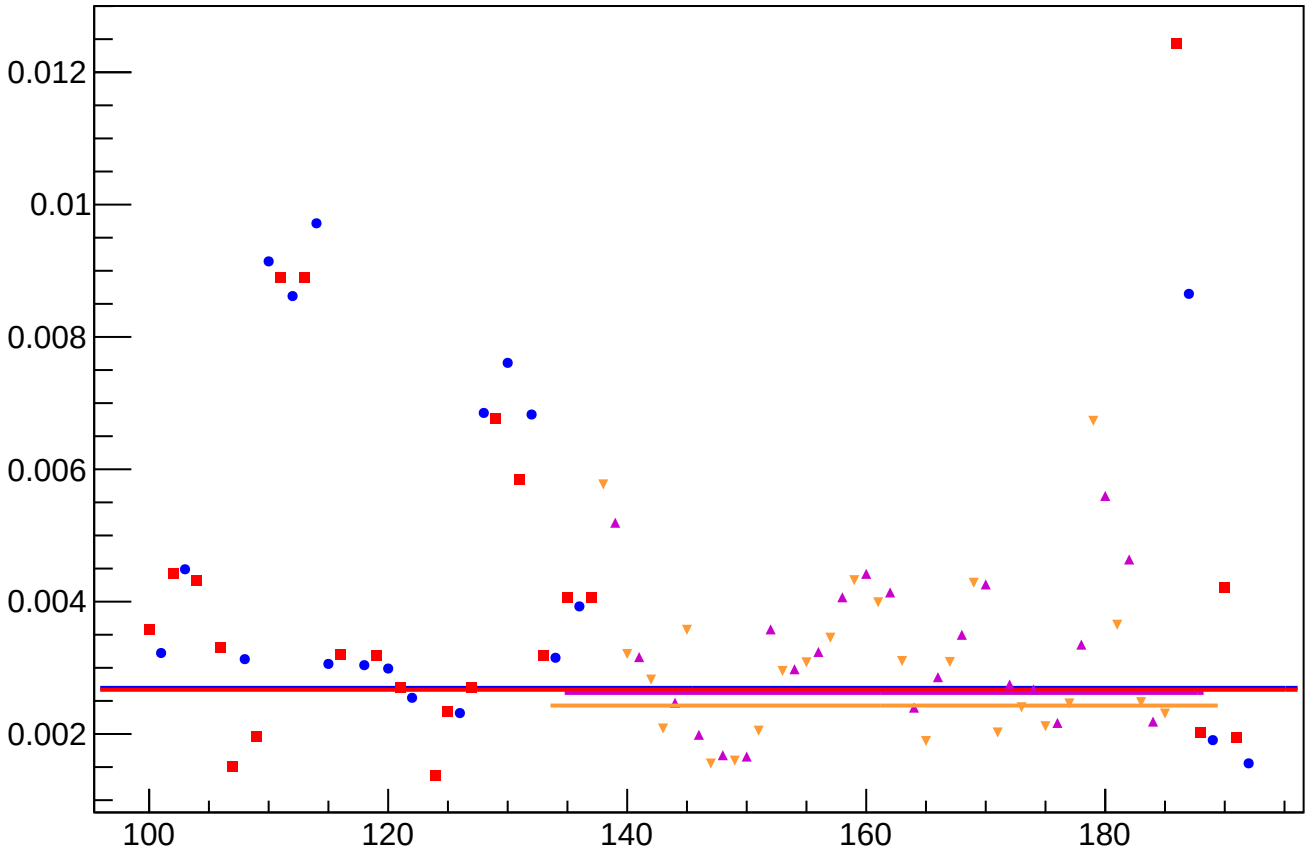
Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/22

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.6/43

All: 0.000+/-0.000 χ^2/NDF: 111.2/89

- sign -0.000+/-0.000 χ^2/NDF: 45.3/45



Right In: 0.003+/-0.000 χ^2/NDF: 3589052.5/18

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

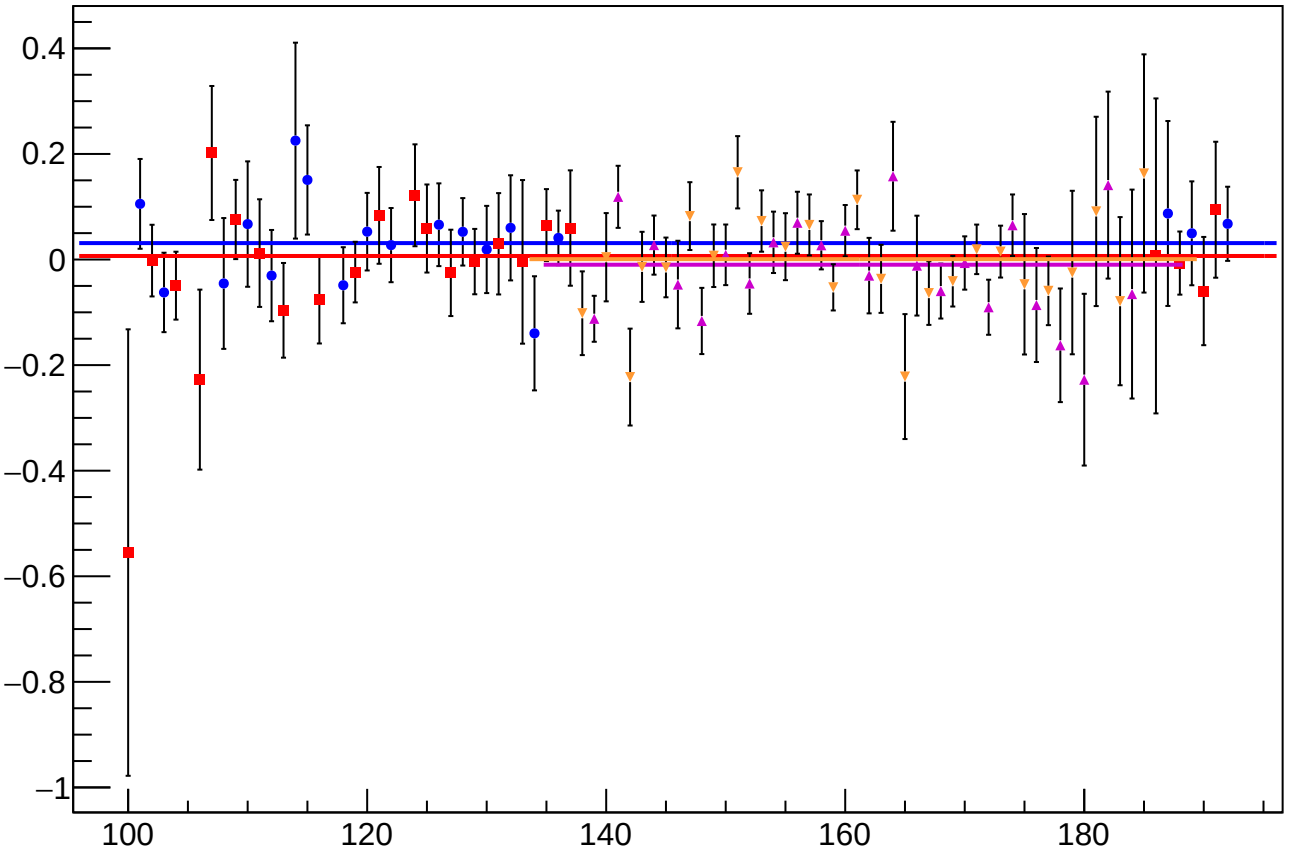
Right Out: 0.003+/-0.000 χ^2/NDF: 3503433.4/22

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 7906584.5/43

All: 0.003+/-0.000 χ^2/NDF: 15437806.8/89

- sign 0.003+/-0.000 χ^2/NDF: 7461748.6/45



Right In: 0.031+/-0.019 χ^2/NDF: 10.4/18

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

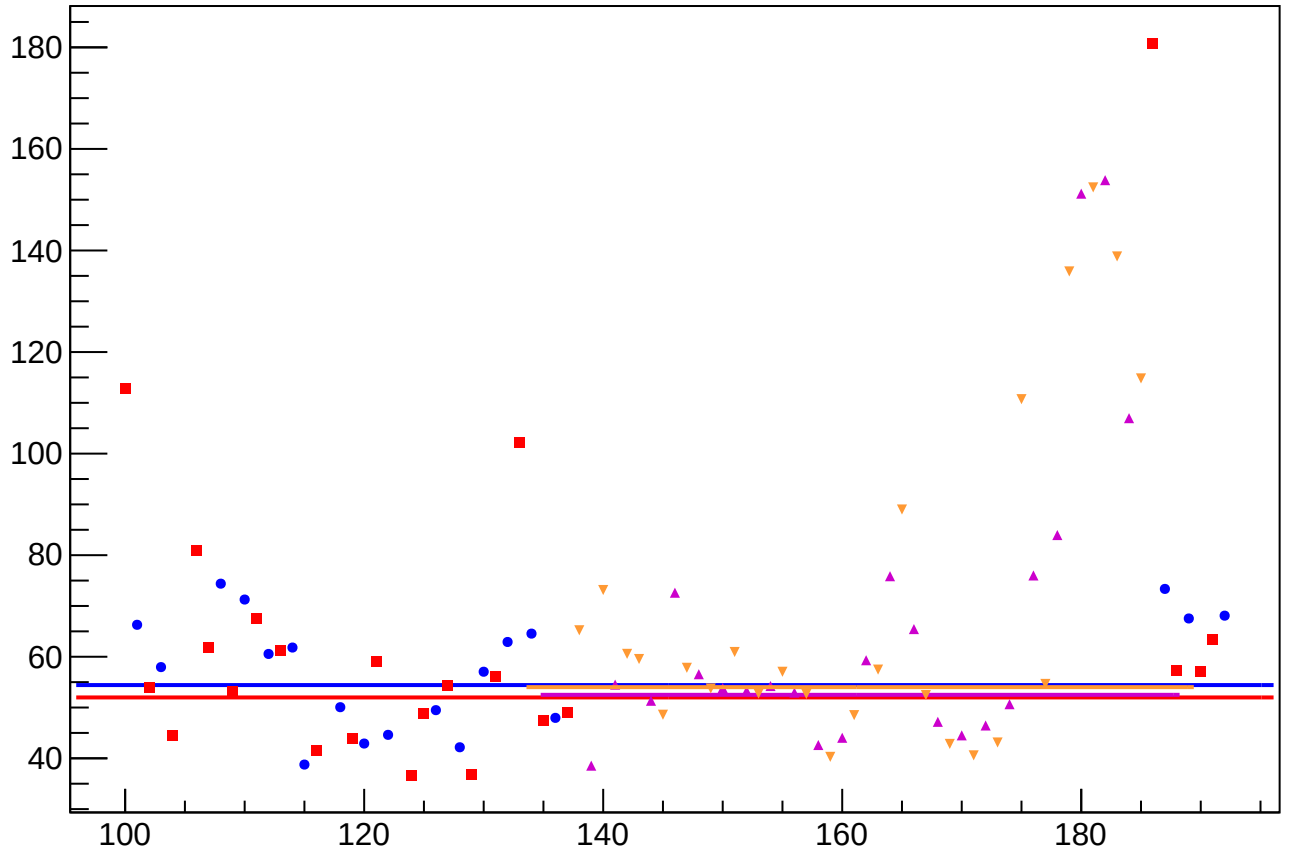
Right Out: 0.007+/-0.018 χ^2/NDF: 14.9/22

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.011+/-0.011 χ^2/NDF: 43.8/43

All: 0.003+/-0.008 χ^2/NDF: 92.0/89

- sign -0.004+/-0.011 χ^2/NDF: 47.3/45



Right In: 54.424+/-0.014 χ^2/NDF: 571357.1/18

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

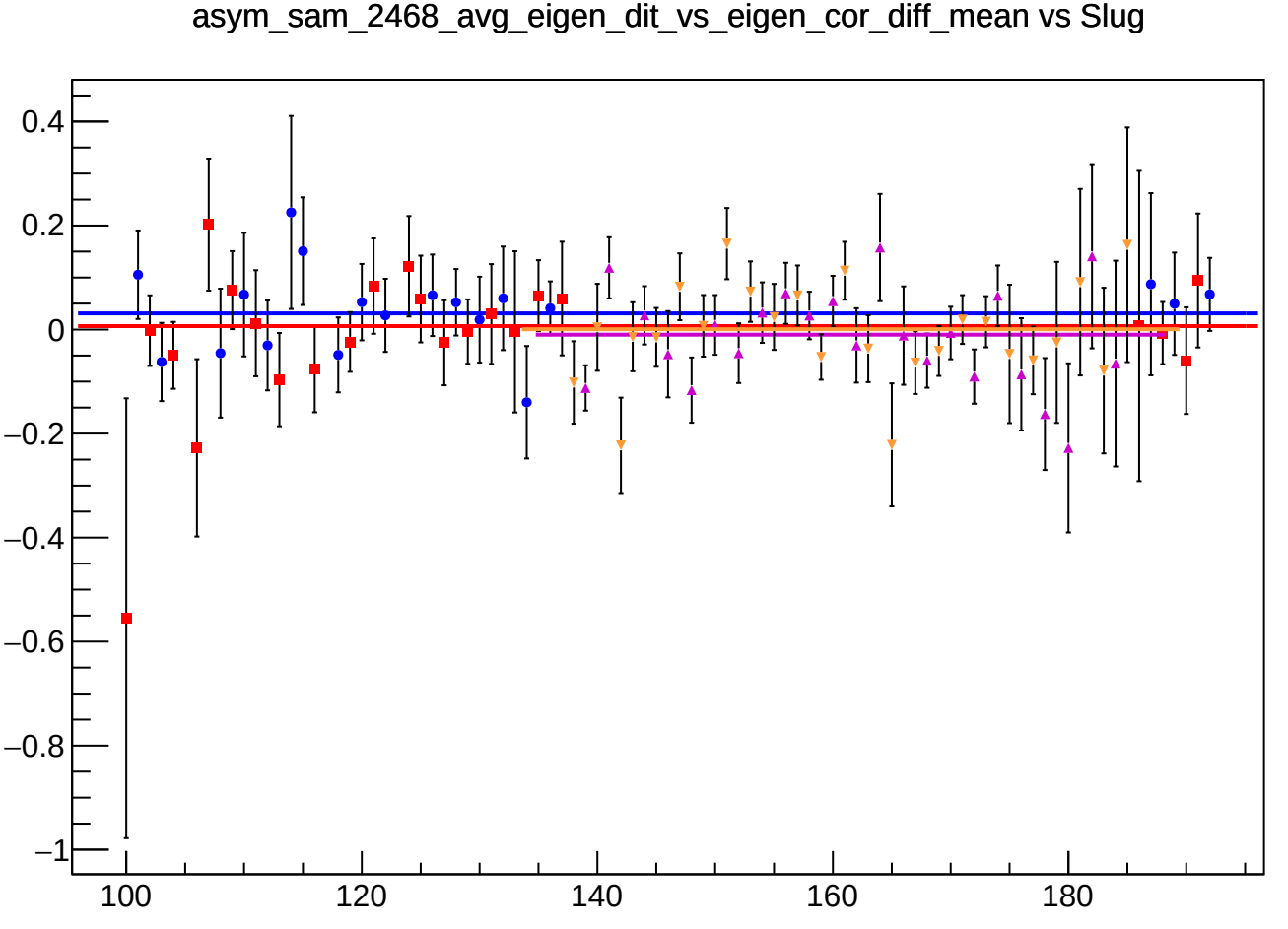
Right Out: 51.986+/-0.013 χ^2/NDF: 1098775.3/22

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 54.147+/-0.008 χ^2/NDF: 3799546.4/43

All: 53.216+/-0.005 χ^2/NDF: 7485932.4/89

- sign 52.322+/-0.008 χ^2/NDF: 3657648.3/45



Right In: 0.031+/-0.019 χ^2/NDF: 10.4/18

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

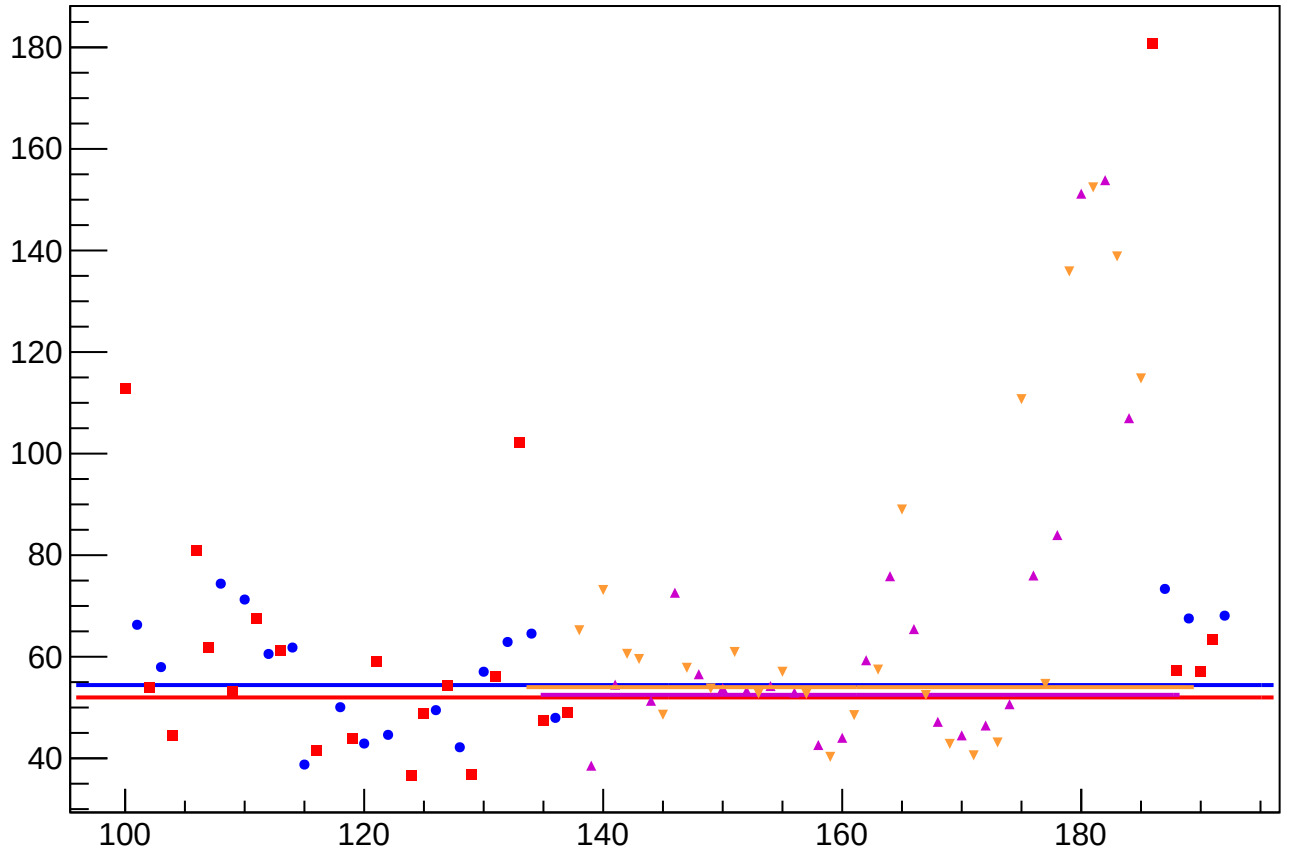
Right Out: 0.007+/-0.018 χ^2/NDF: 14.9/22

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.011+/-0.011 χ^2/NDF: 43.8/43

All: 0.003+/-0.008 χ^2/NDF: 92.0/89

- sign -0.004+/-0.011 χ^2/NDF: 47.3/45



Right In: 54.424+/-0.014 χ^2/NDF: 571357.1/18

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

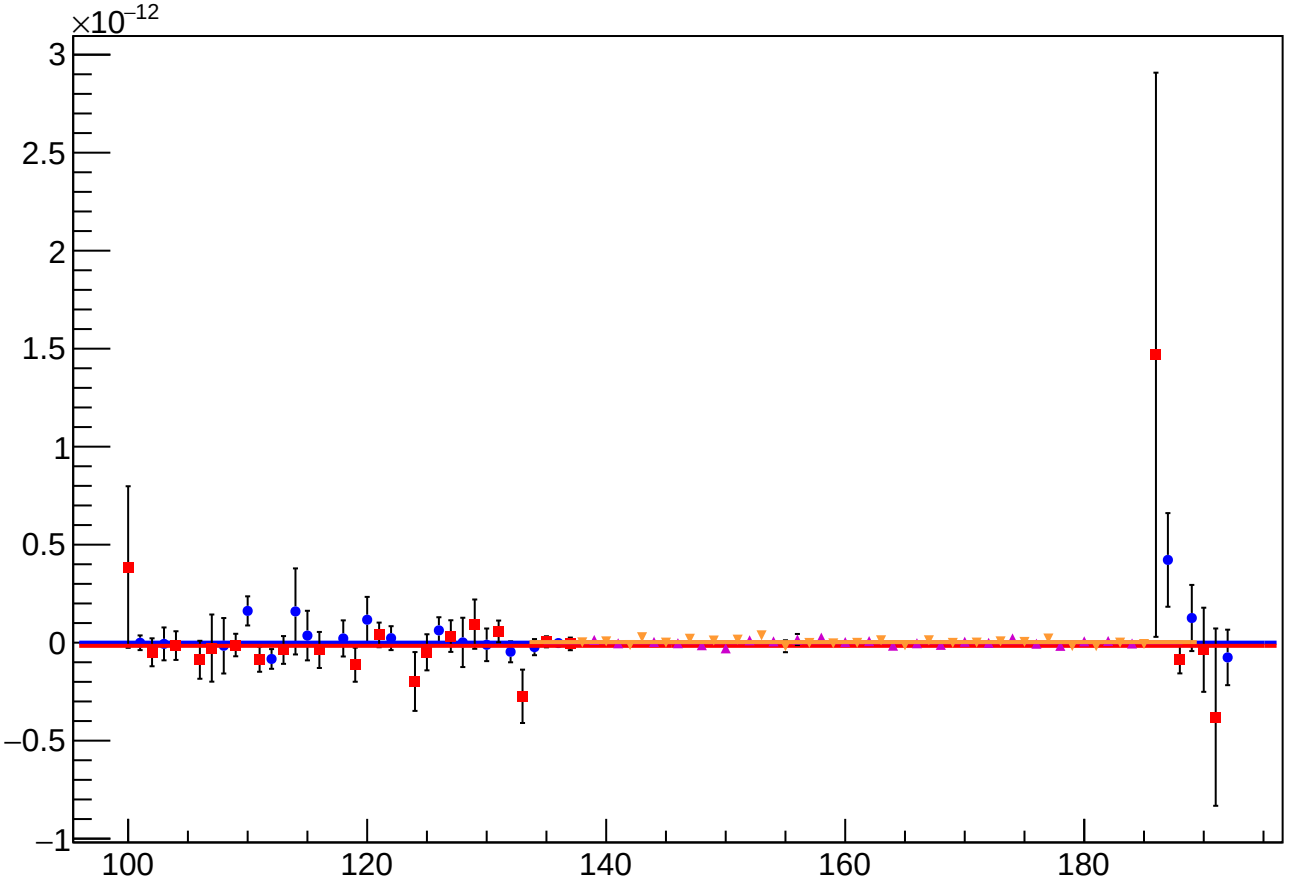
Right Out: 51.986+/-0.013 χ^2/NDF: 1098775.3/22

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 54.147+/-0.008 χ^2/NDF: 3799546.4/43

All: 53.216+/-0.005 χ^2/NDF: 7485932.4/89

- sign 52.322+/-0.008 χ^2/NDF: 3657648.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

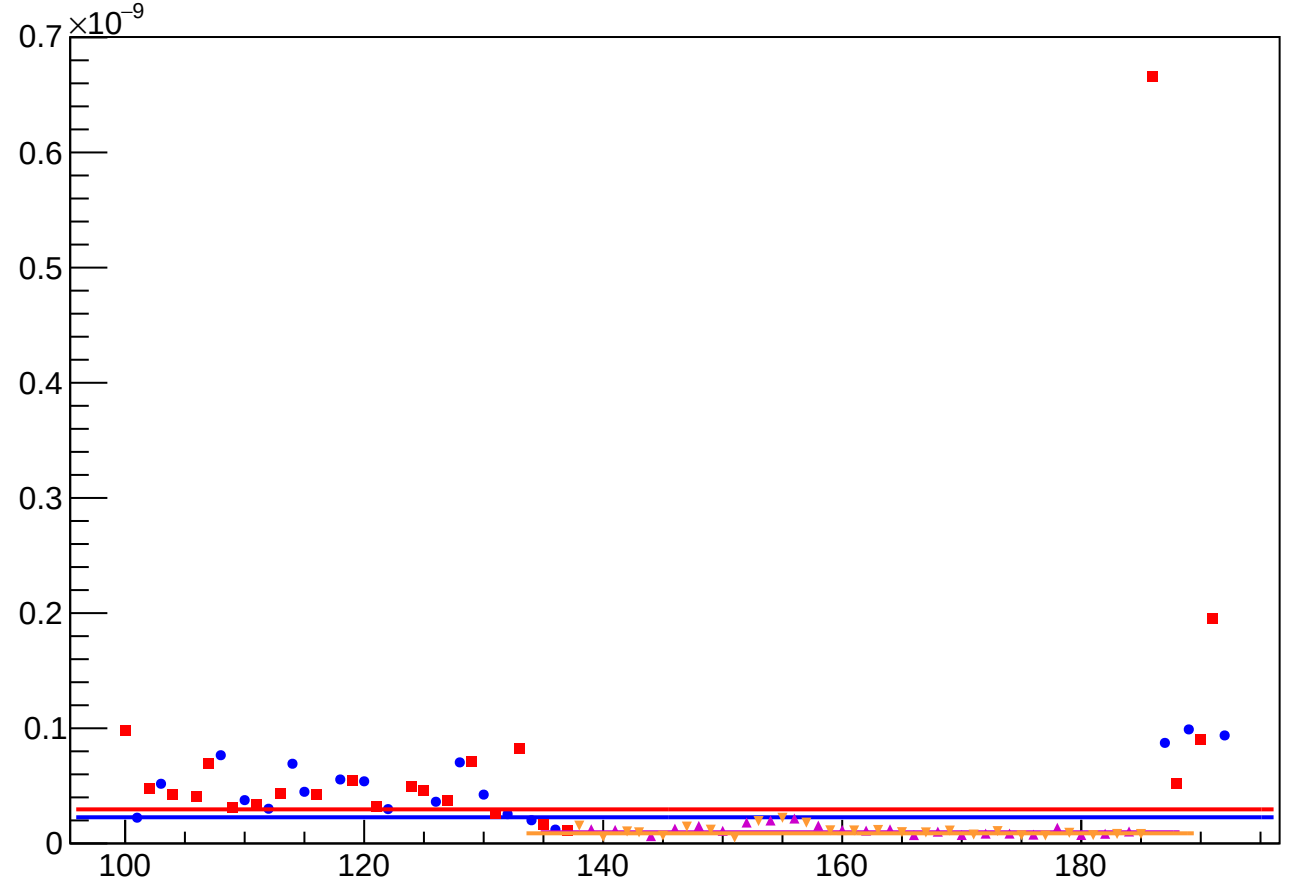
Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/22

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.1/43

All: 0.000+/-0.000 χ^2/NDF: 70.5/89

- sign 0.000+/-0.000 χ^2/NDF: 33.2/45



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

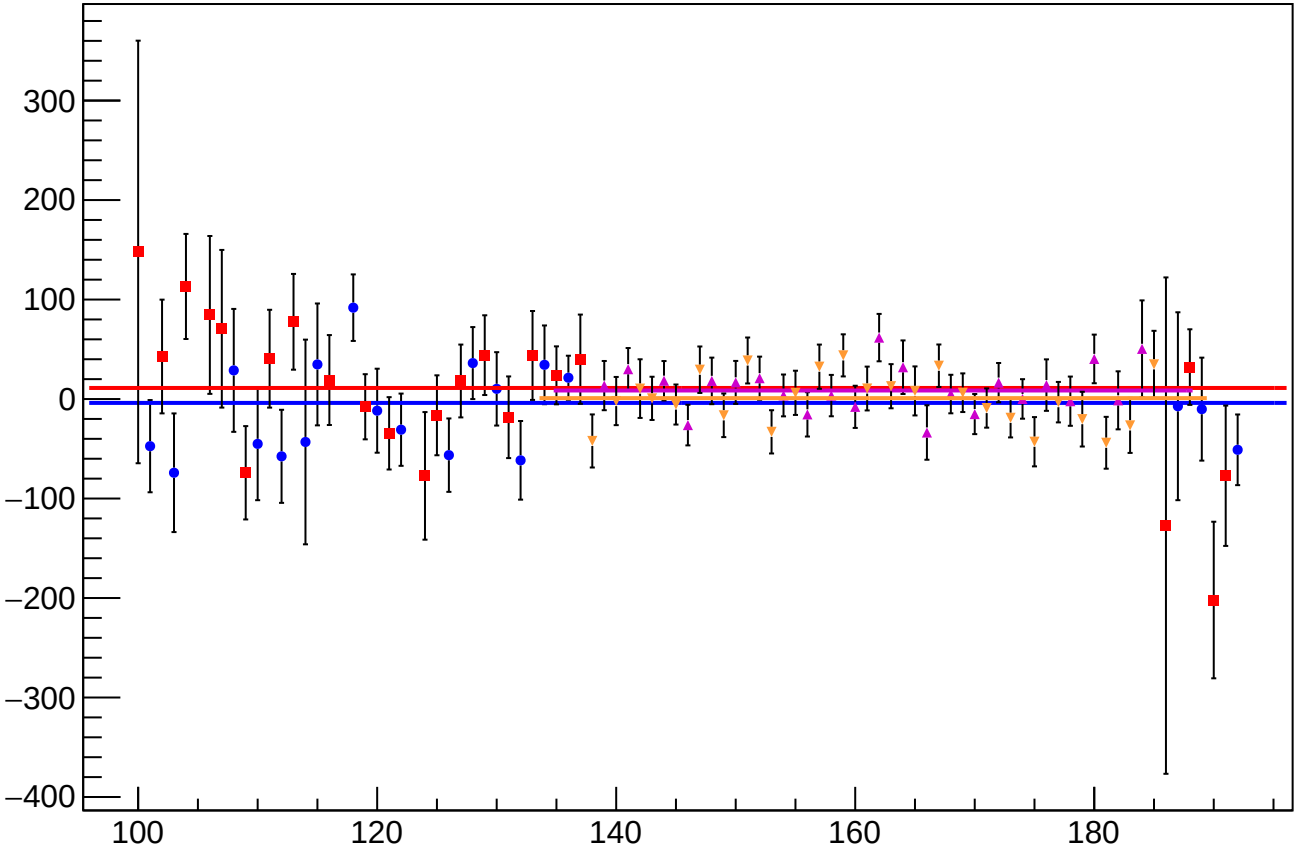
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8727406.1/43

All: 0.000+/-0.000 χ^2/NDF: 18401143.4/89

- sign 0.000+/-0.000 χ^2/NDF: 9521928.3/45

reg_asym_sam_1357_2468_dd_mean vs Slug



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

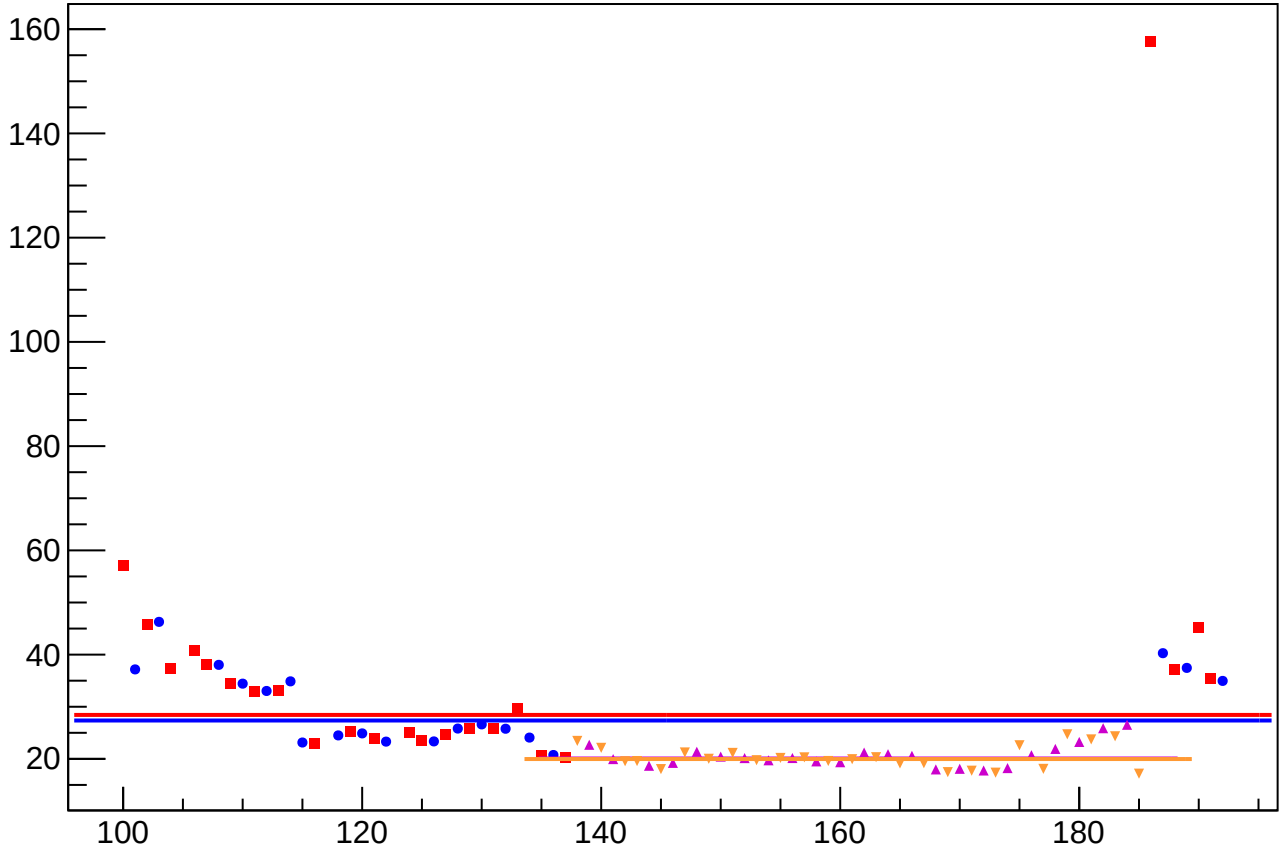
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.005+/-4.118 χ^2/NDF: 52.7/43

All: 4.401+/-2.957 χ^2/NDF: 102.1/89

- sign 9.083+/-4.249 χ^2/NDF: 47.0/45

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 27.362+/-0.007 χ^2/NDF: 906515.1/18

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

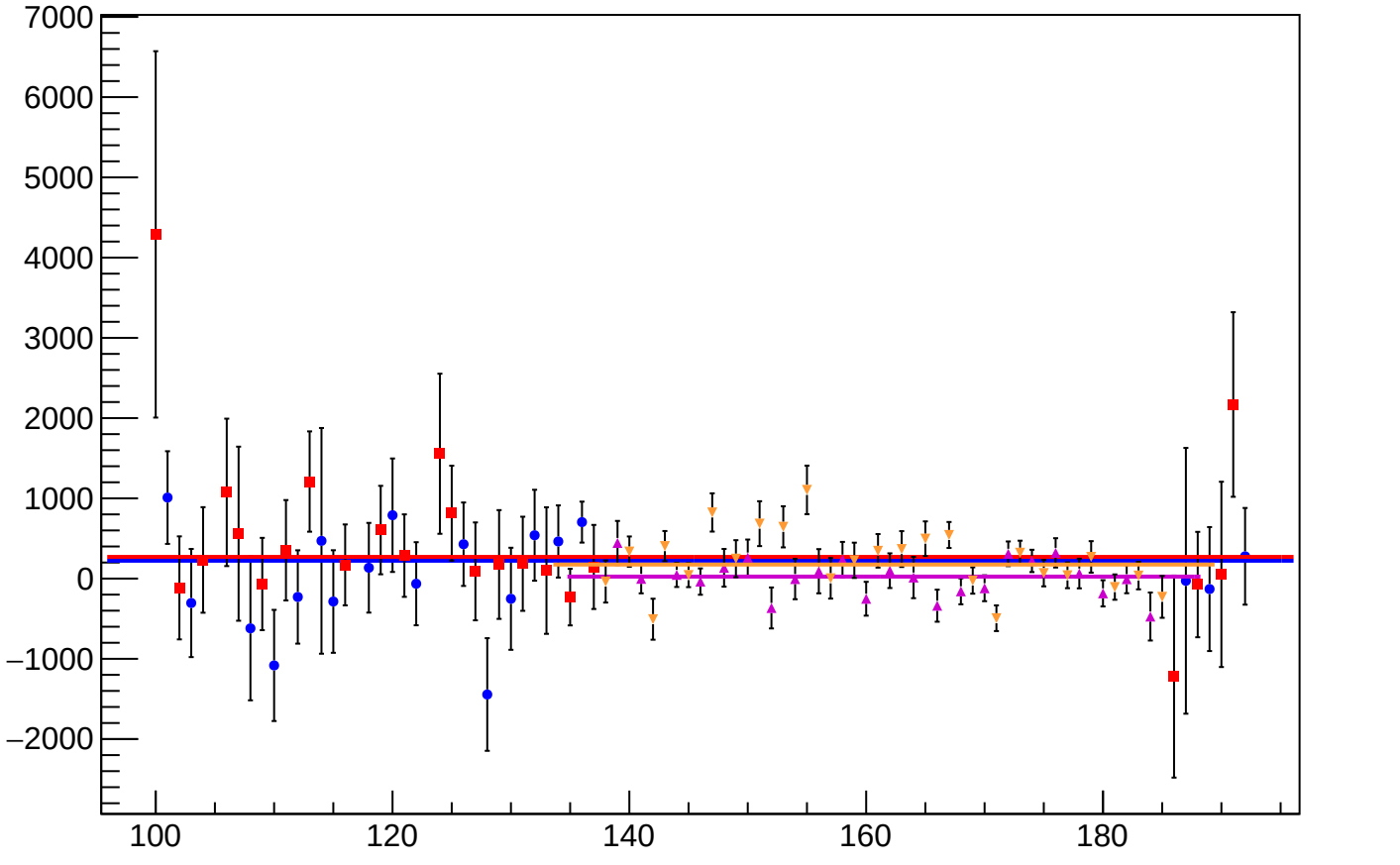
Right Out: 28.432+/-0.007 χ^2/NDF: 1537924.9/22

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.370+/-0.003 χ^2/NDF: 2284002.3/43

All: 21.514+/-0.002 χ^2/NDF: 5322926.0/89

- sign 21.666+/-0.003 χ^2/NDF: 3033923.3/45



Right In: 222.428+/-129.348 χ^2/NDF: 19.9/18

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

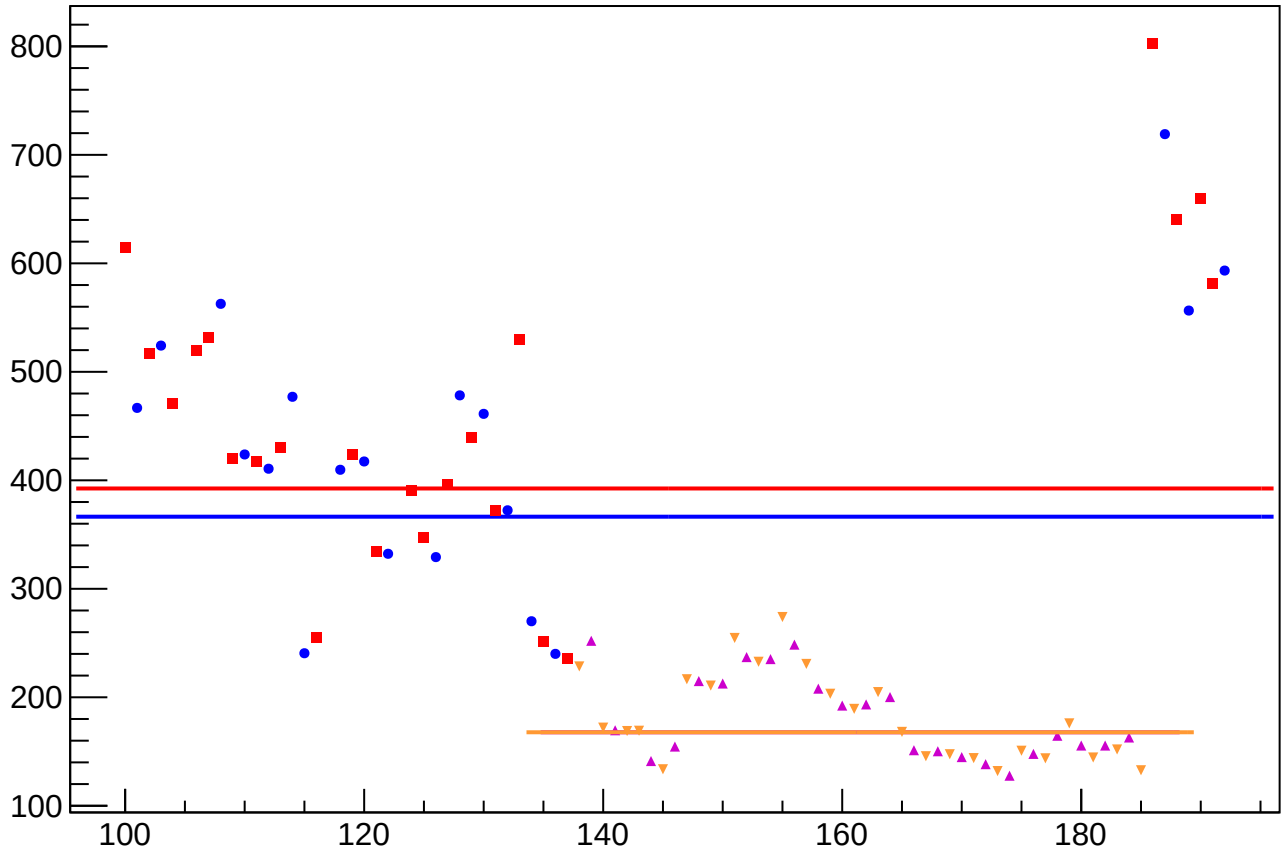
Right Out: 269.884+/-134.230 χ^2/NDF: 16.5/22

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

\+ sign 178.680+/-37.383 χ^2/NDF: 91.2/43

All: 113.462+/-26.785 χ^2/NDF: 144.0/89

\- sign 44.660+/-38.396 χ^2/NDF: 46.5/45



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

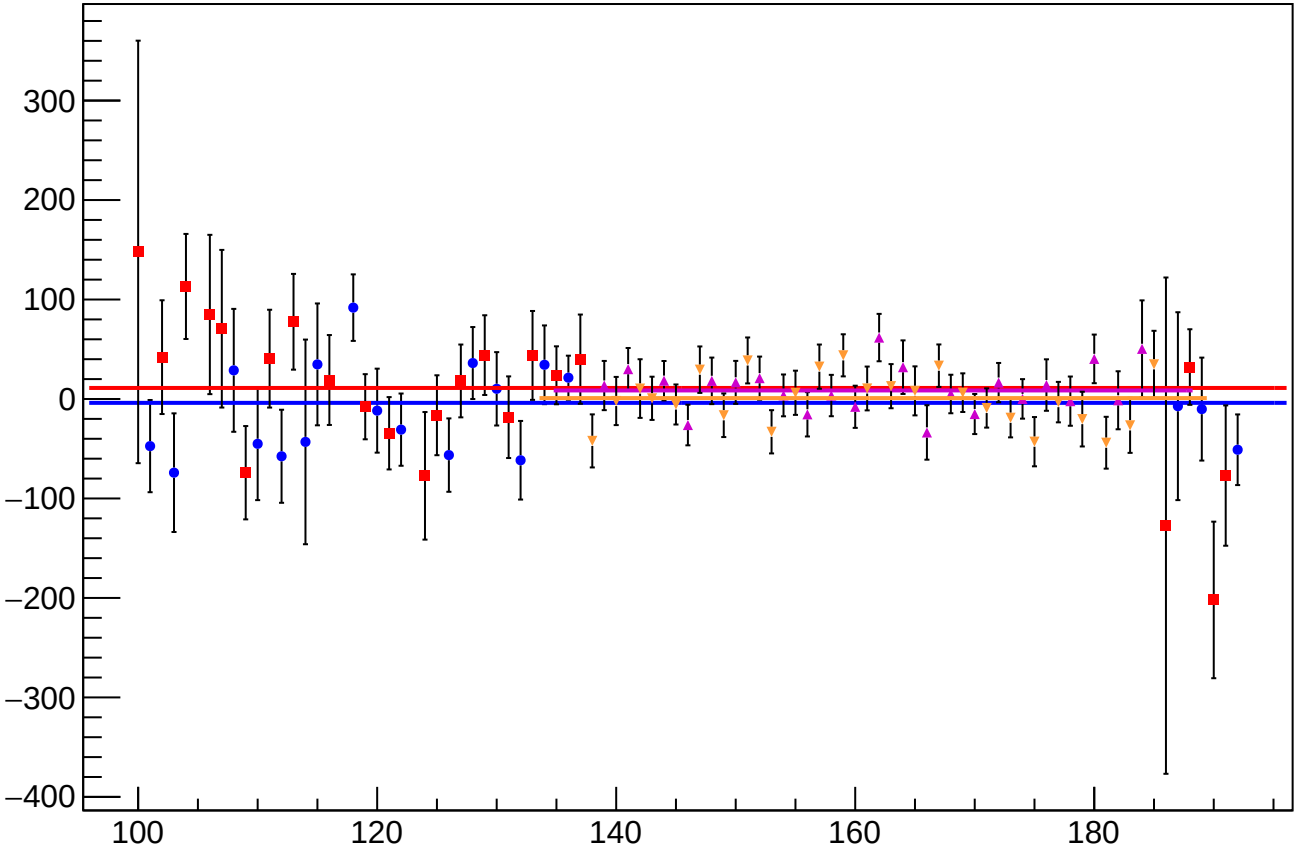
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 184.352+/-0.026 χ^2/NDF: 7499222.6/43

All: 185.220+/-0.019 χ^2/NDF: 15683524.4/89

- sign 186.136+/-0.027 χ^2/NDF: 8182085.7/45

cor_asym_sam_1357_2468_dd_mean vs Slug



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

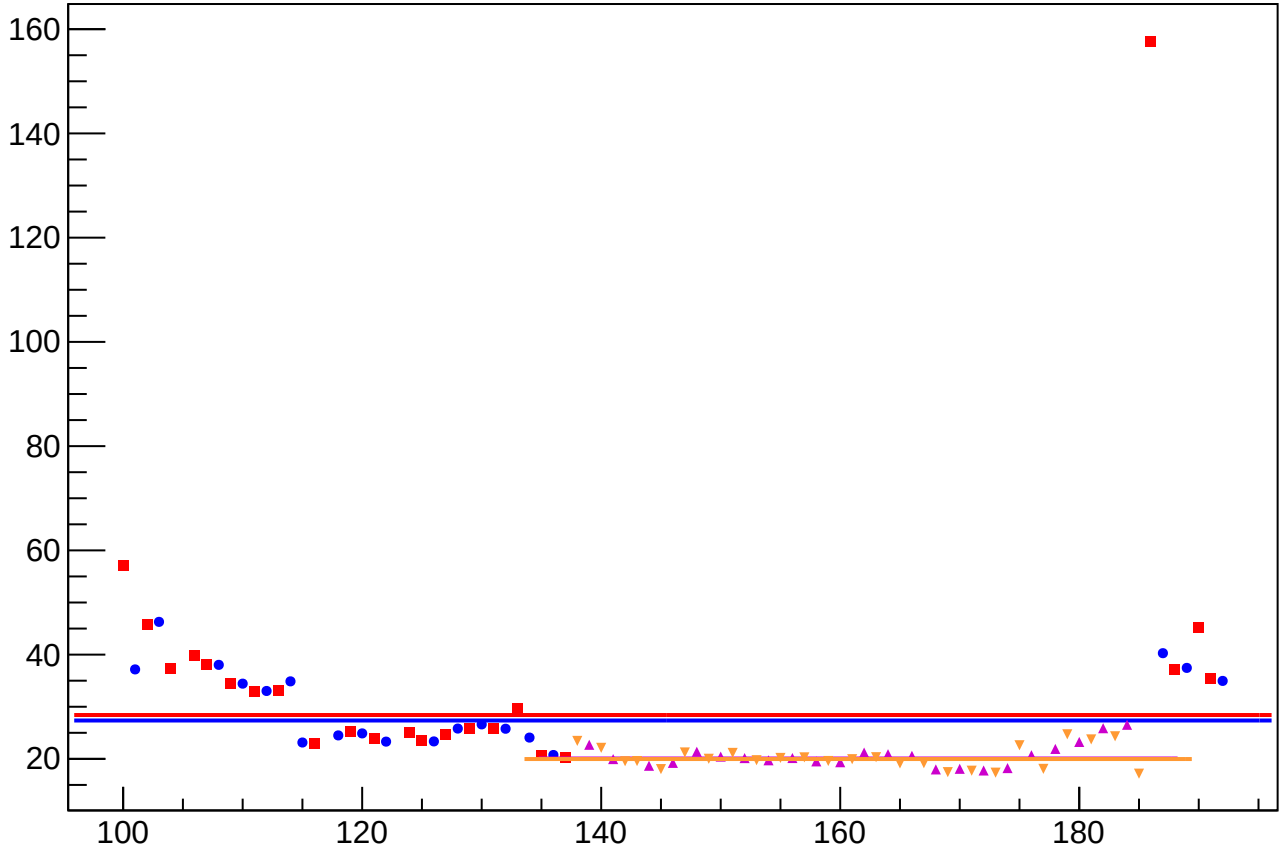
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.004+/-4.118 χ^2/NDF: 52.7/43

All: 4.397+/-2.957 χ^2/NDF: 102.1/89

- sign 9.076+/-4.250 χ^2/NDF: 47.0/45

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 27.362+/-0.007 χ^2/NDF: 906518.4/18

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

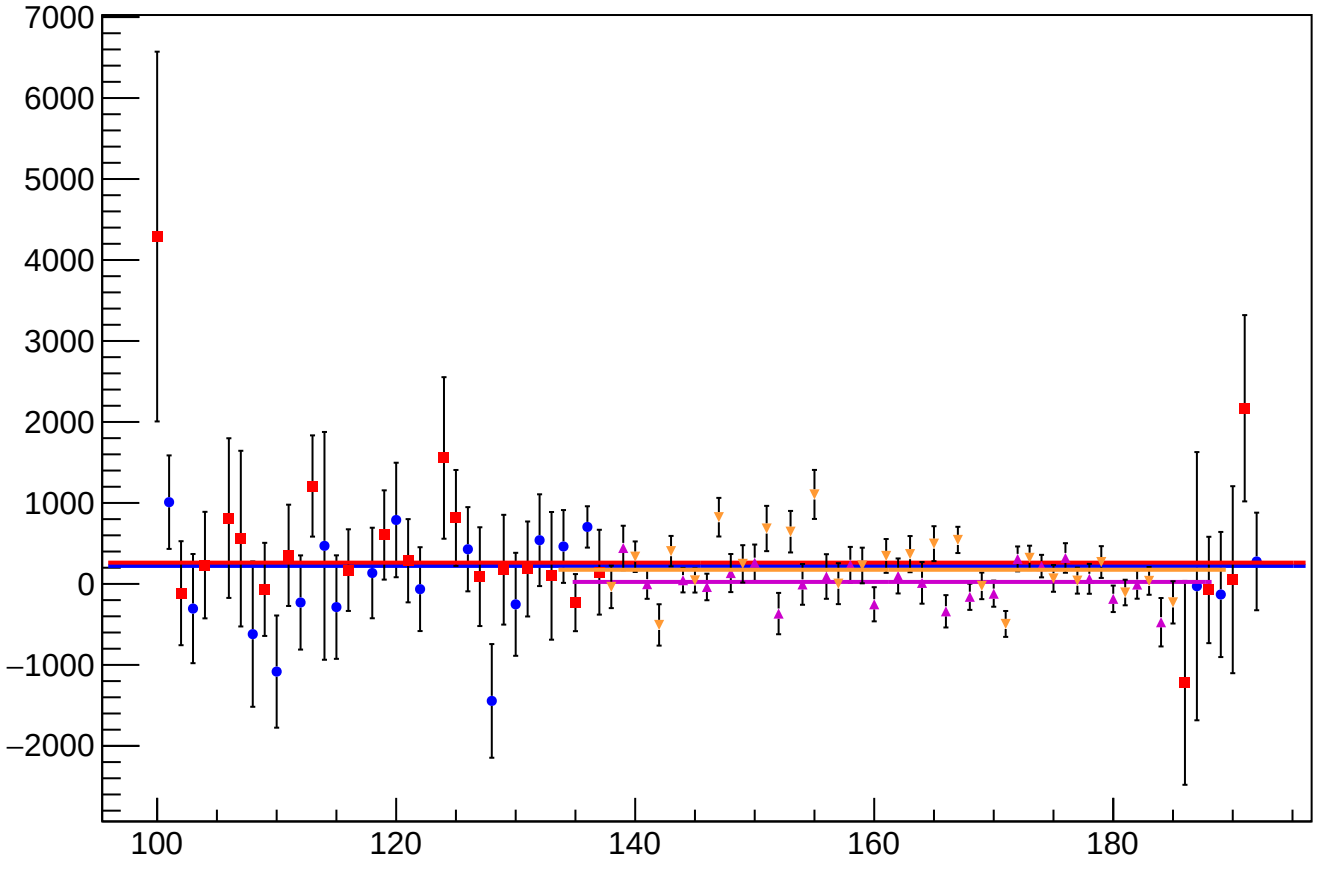
Right Out: 28.413+/-0.007 χ^2/NDF: 1529240.9/22

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.370+/-0.003 χ^2/NDF: 2284005.6/43

All: 21.512+/-0.002 χ^2/NDF: 5308311.8/89

- sign 21.662+/-0.003 χ^2/NDF: 3019442.4/45



Right In: 222.421+/-129.348 χ^2/NDF: 19.9/18

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

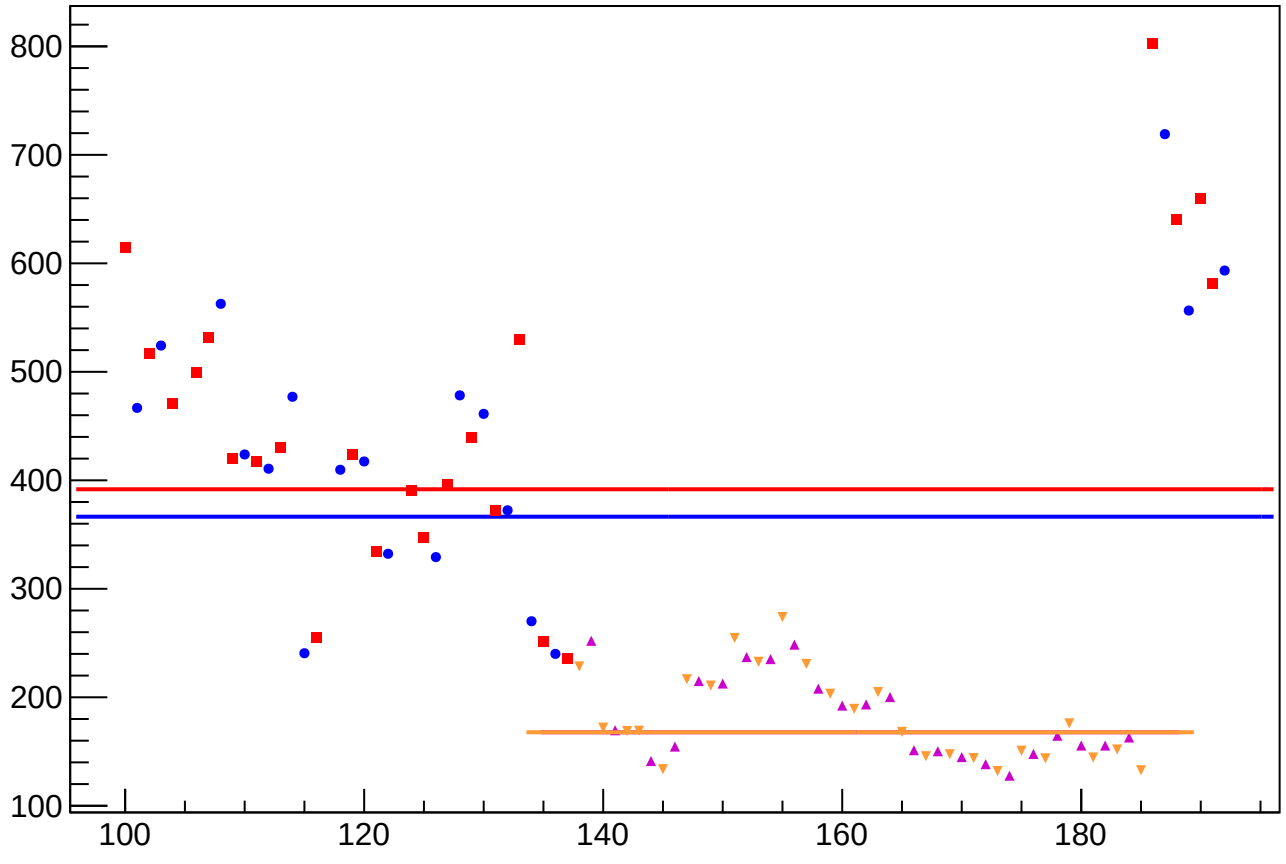
Right Out: 262.842+/-134.421 χ^2/NDF: 16.1/22

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 178.677+/-37.383 χ^2/NDF: 91.2/43

All: 113.163+/-26.786 χ^2/NDF: 143.4/89

- sign 44.033+/-38.400 χ^2/NDF: 45.8/45



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

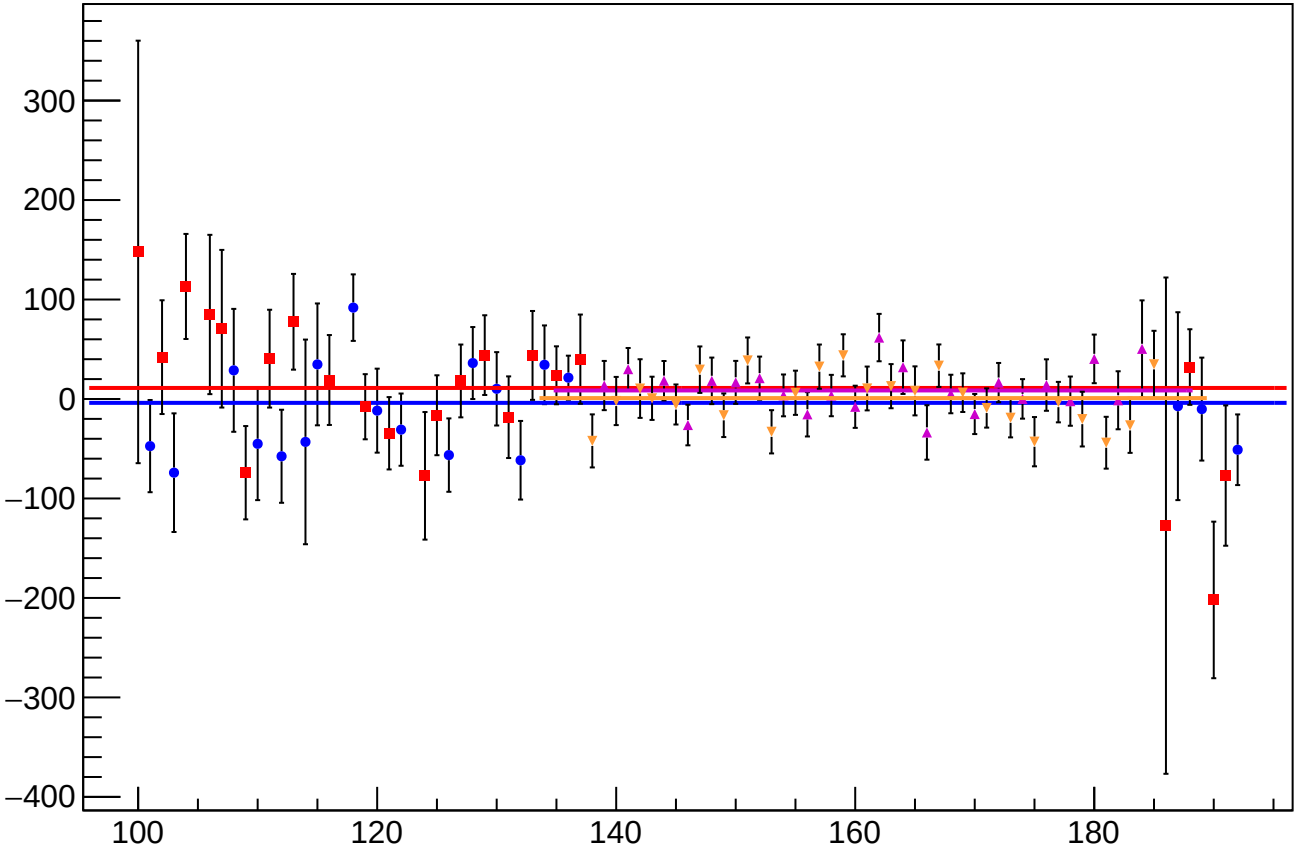
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 184.352+/-0.026 χ^2/NDF: 7499245.3/43

All: 185.167+/-0.019 χ^2/NDF: 15621728.3/89

- sign 186.028+/-0.027 χ^2/NDF: 8120526.5/45

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



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

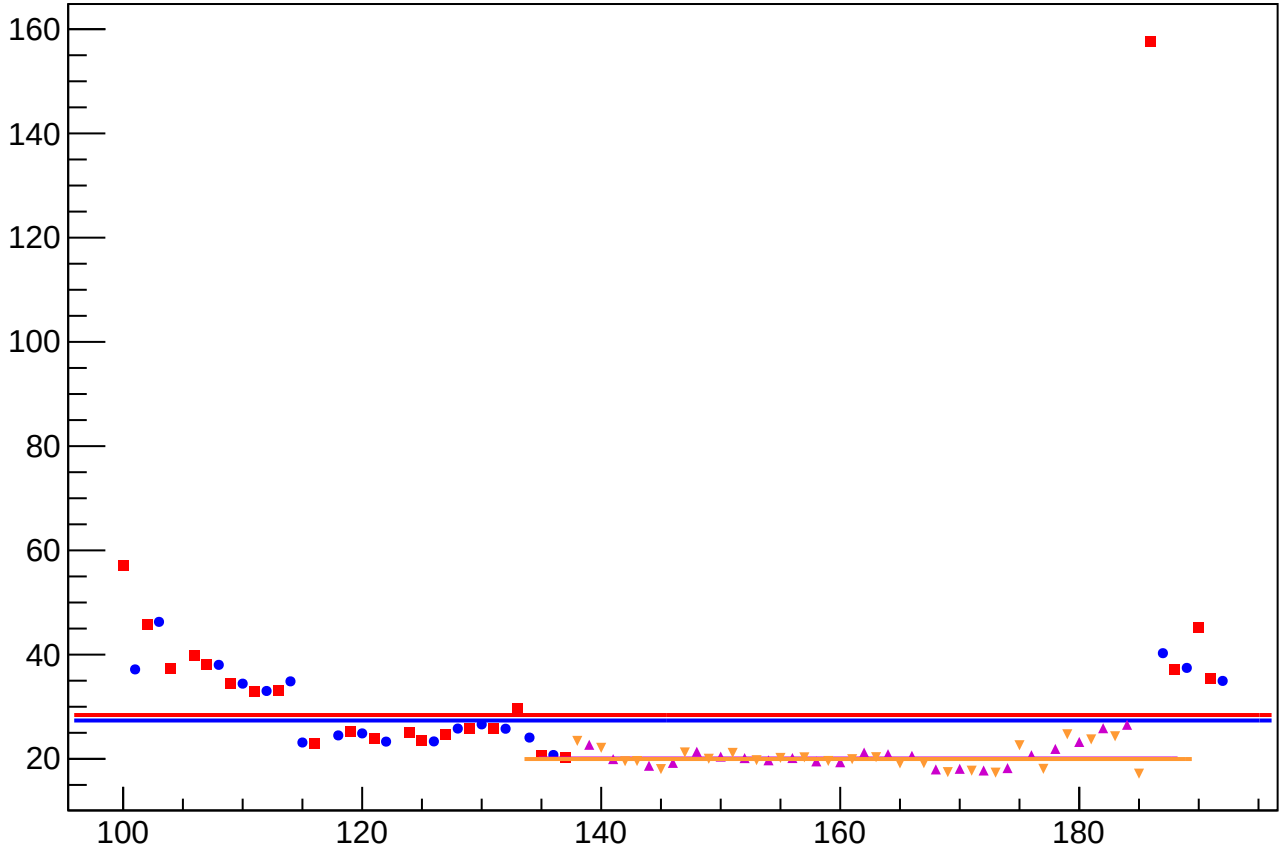
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.004+/-4.118 χ^2/NDF: 52.7/43

All: 4.397+/-2.957 χ^2/NDF: 102.1/89

- sign 9.076+/-4.250 χ^2/NDF: 47.0/45

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 27.362+/-0.007 χ^2/NDF: 906518.4/18

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

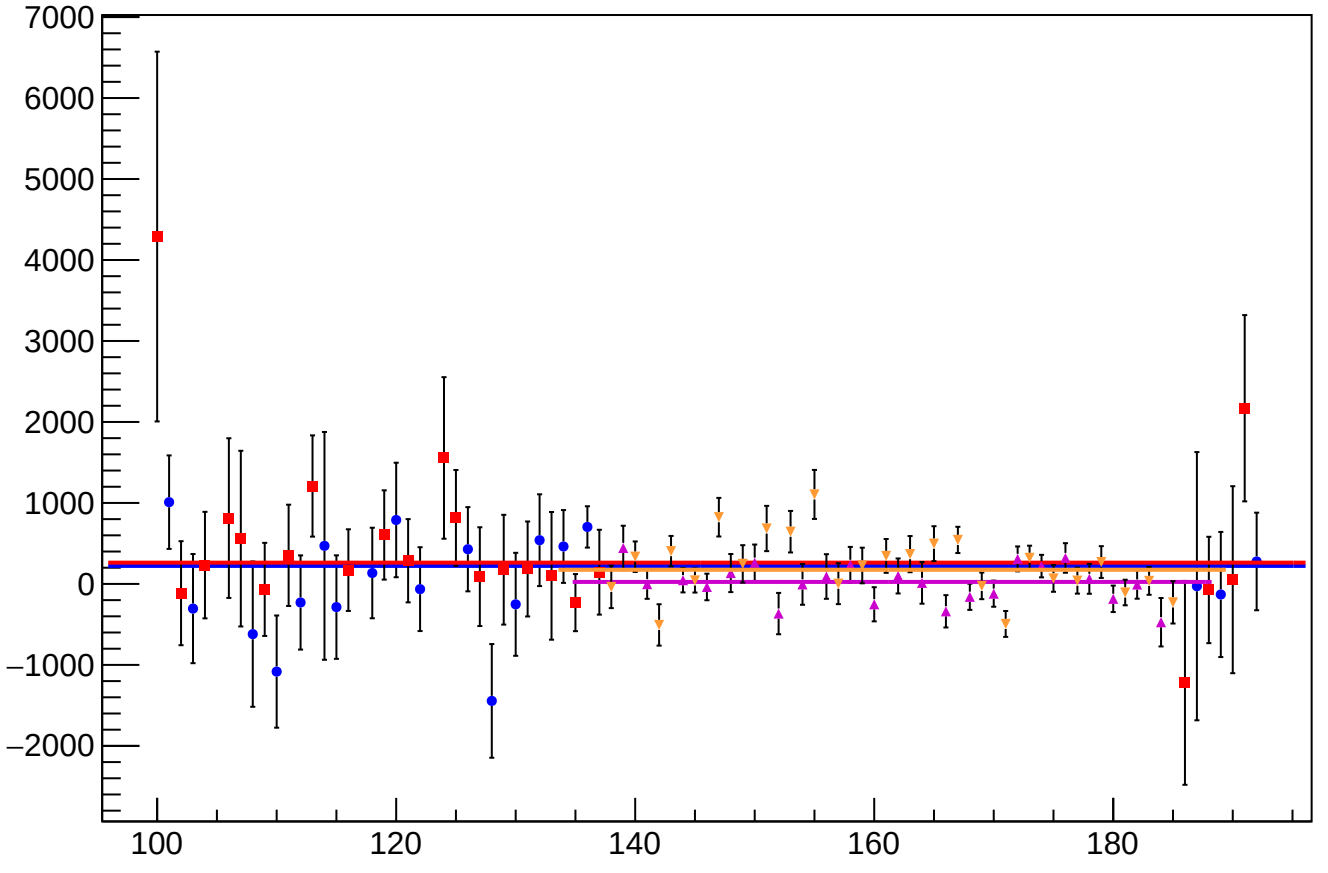
Right Out: 28.413+/-0.007 χ^2/NDF: 1529240.9/22

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.370+/-0.003 χ^2/NDF: 2284005.6/43

All: 21.512+/-0.002 χ^2/NDF: 5308311.8/89

- sign 21.662+/-0.003 χ^2/NDF: 3019442.4/45



Right In: 222.421+/-129.348 χ^2/NDF: 19.9/18

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

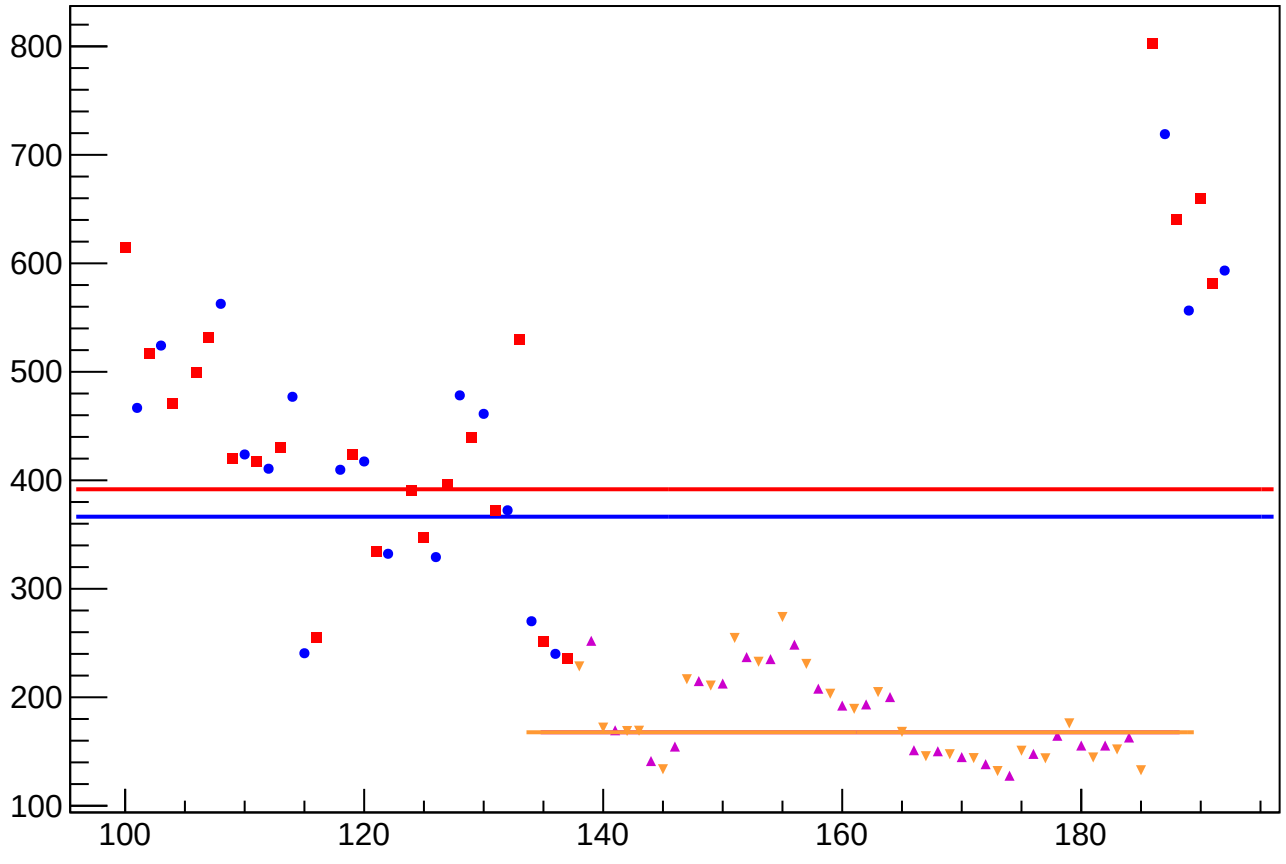
Right Out: 262.842+/-134.421 χ^2/NDF: 16.1/22

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 178.677+/-37.383 χ^2/NDF: 91.2/43

All: 113.163+/-26.786 χ^2/NDF: 143.4/89

- sign 44.033+/-38.400 χ^2/NDF: 45.8/45



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

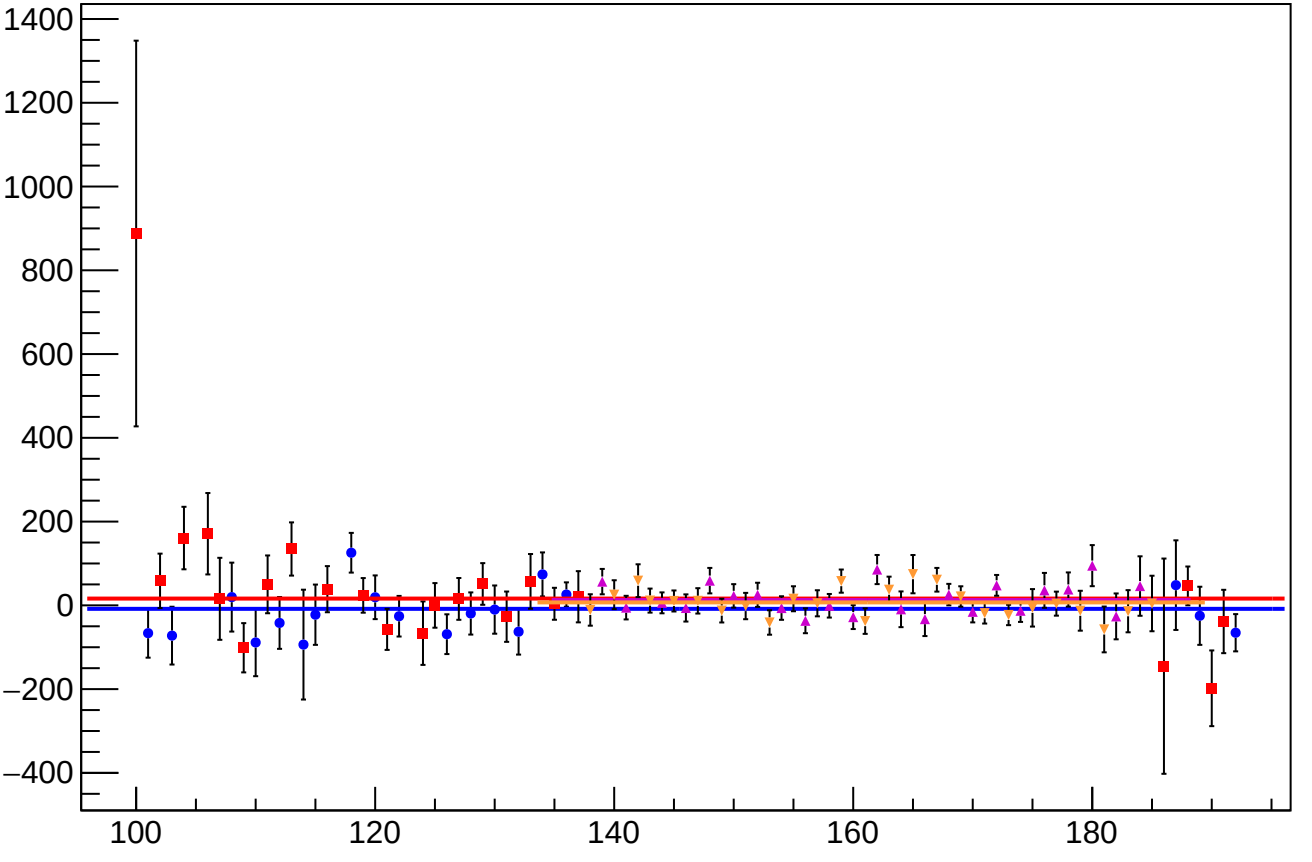
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 184.352+/-0.026 χ^2/NDF: 7499245.3/43

All: 185.167+/-0.019 χ^2/NDF: 15621728.3/89

- sign 186.028+/-0.027 χ^2/NDF: 8120526.5/45

dit_asym_sam_1357_2468_dd_mean vs Slug



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

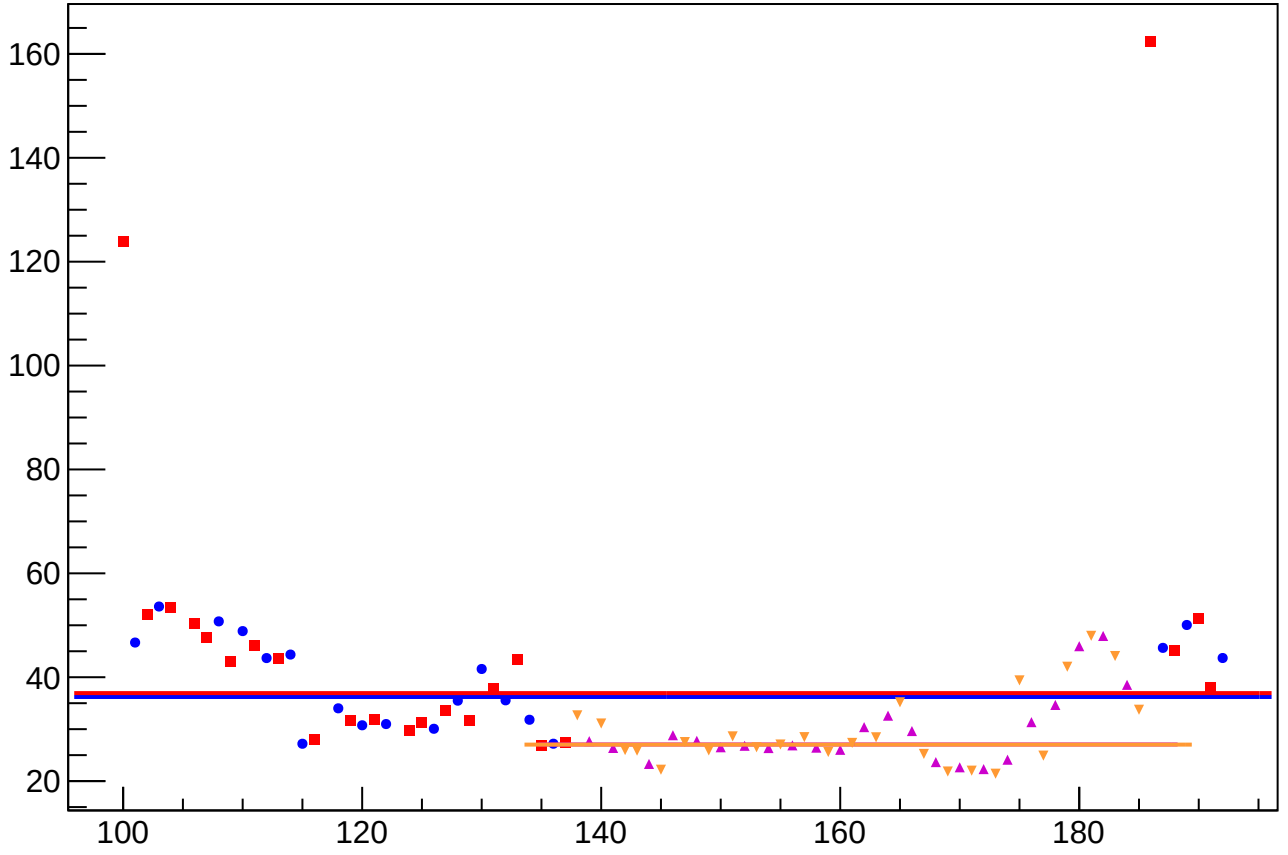
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.941+/-5.652 χ^2/NDF: 44.5/43

All: 8.574+/-4.043 χ^2/NDF: 101.8/89

- sign 13.432+/-5.787 χ^2/NDF: 55.9/45

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.196+/-0.009 χ^2/NDF: 830713.9/18

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

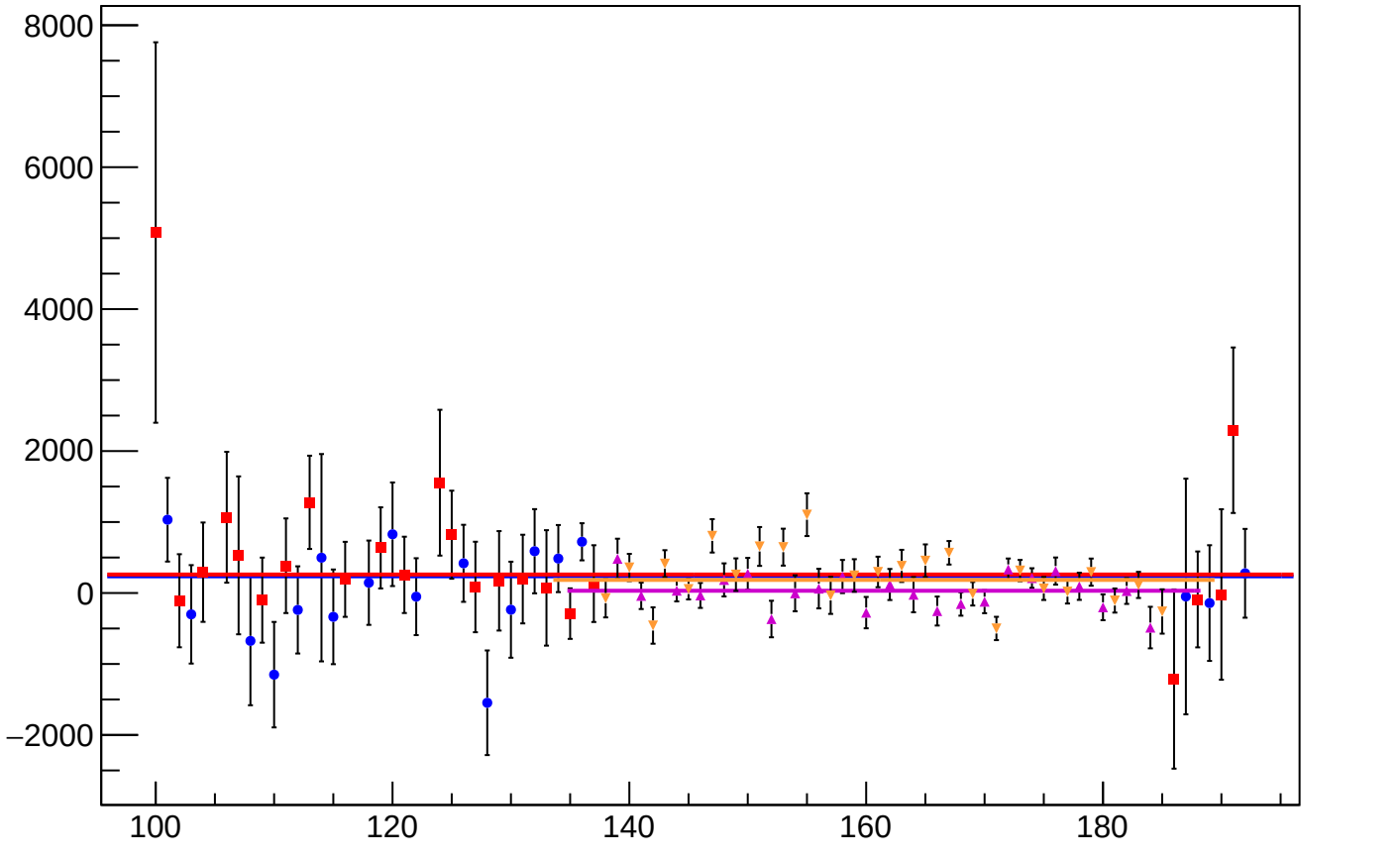
Right Out: 36.943+/-0.009 χ^2/NDF: 1391361.7/22

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

\+ sign 28.894+/-0.004 χ^2/NDF: 3115067.2/43

All: 29.011+/-0.003 χ^2/NDF: 6523594.3/89

\- sign 29.135+/-0.004 χ^2/NDF: 3406754.3/45



Right In: 235.424+/-134.542 χ^2/NDF: 20.0/18

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

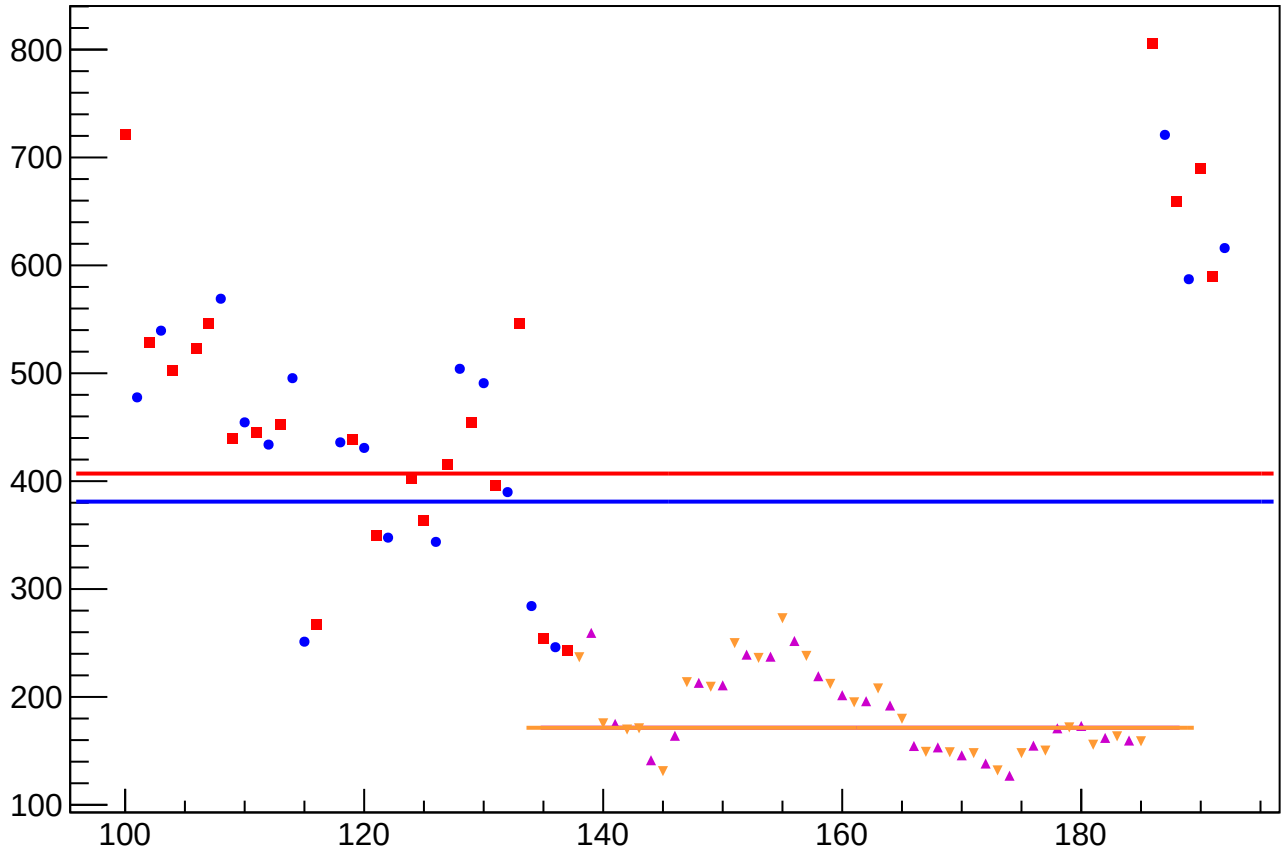
Right Out: 260.620+/-139.190 χ^2/NDF: 17.4/22

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 188.764+/-38.193 χ^2/NDF: 87.8/43

All: 121.440+/-27.392 χ^2/NDF: 140.5/89

- sign 50.132+/-39.307 χ^2/NDF: 46.2/45



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

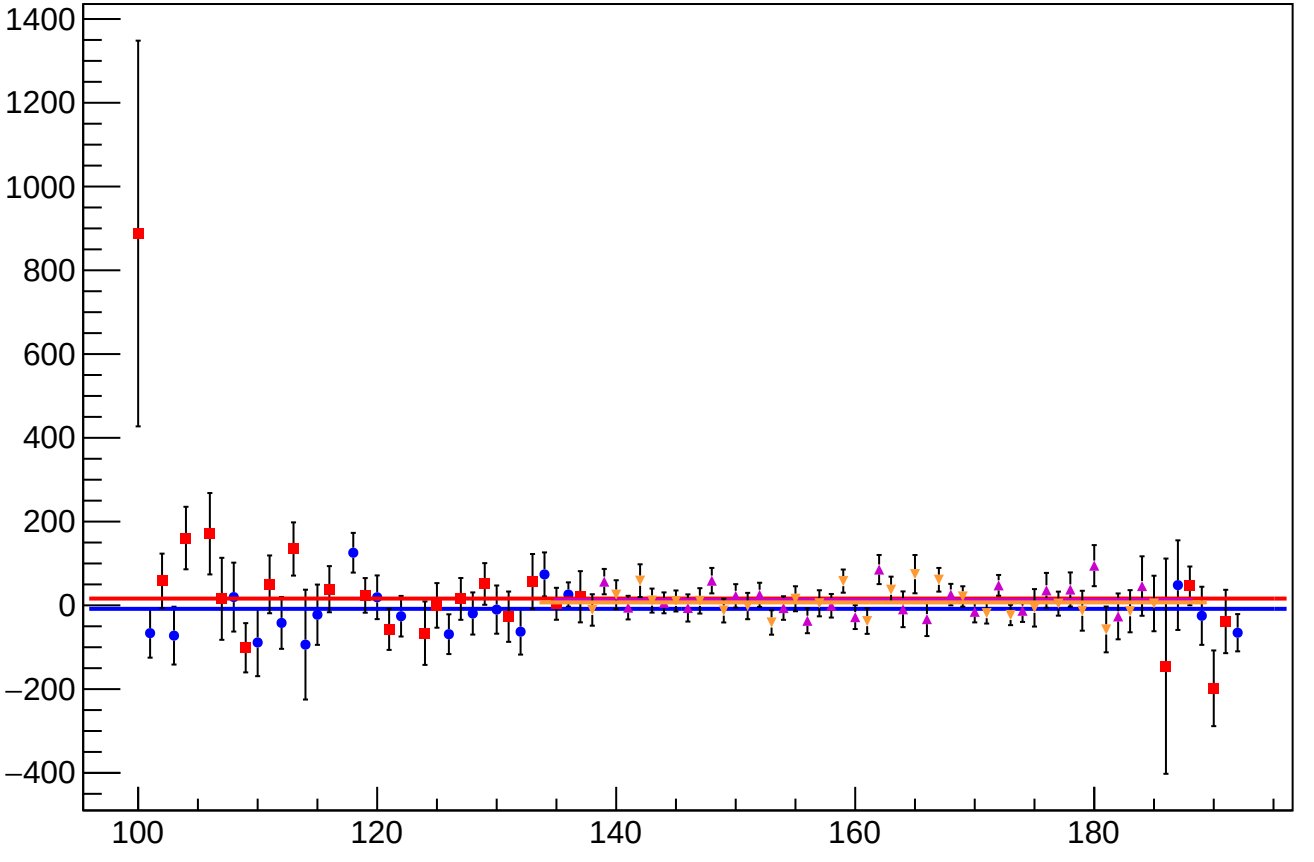
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 188.319+/-0.027 χ^2/NDF: 7619048.1/43

All: 189.269+/-0.019 χ^2/NDF: 15963419.6/89

- sign 190.275+/-0.028 χ^2/NDF: 8341822.9/45

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



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

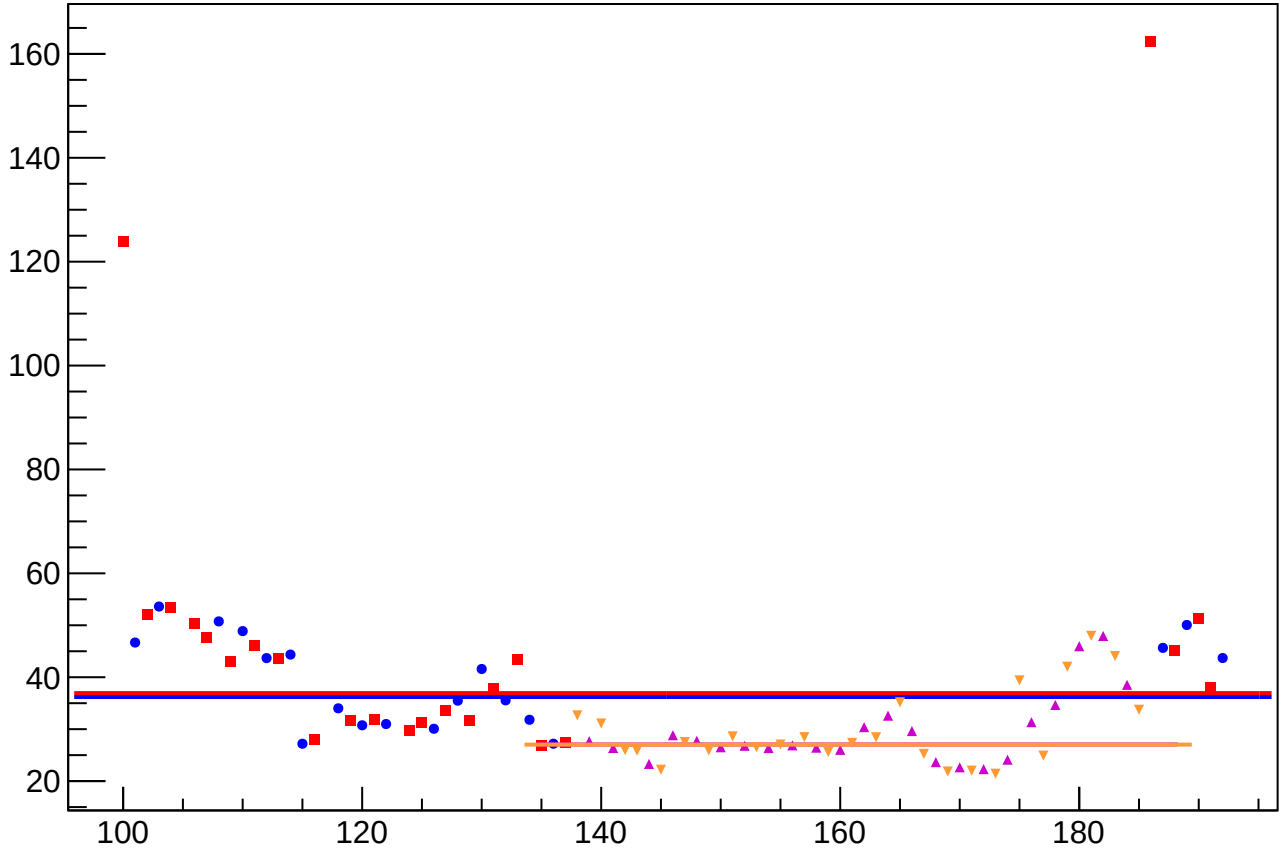
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.941+/-5.652 χ^2/NDF: 44.5/43

All: 8.574+/-4.043 χ^2/NDF: 101.8/89

- sign 13.432+/-5.787 χ^2/NDF: 55.9/45

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.195+/-0.009 χ^2/NDF: 830676.8/18

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

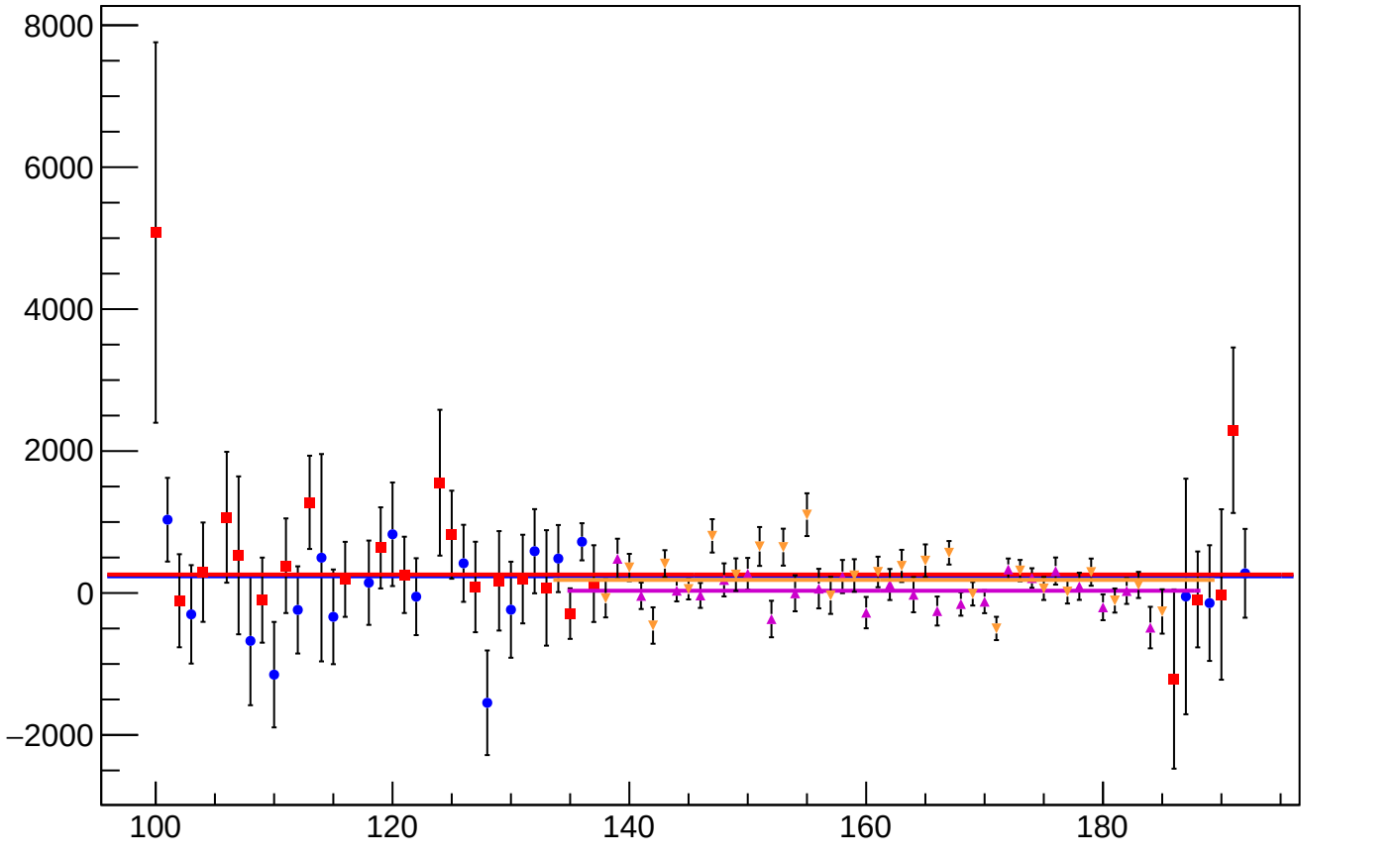
Right Out: 36.943+/-0.009 χ^2/NDF: 1391345.4/22

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 28.894+/-0.004 χ^2/NDF: 3114952.9/43

All: 29.011+/-0.003 χ^2/NDF: 6523371.7/89

- sign 29.135+/-0.004 χ^2/NDF: 3406646.2/45



Right In: 235.422+/-134.542 χ^2/NDF: 20.0/18

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

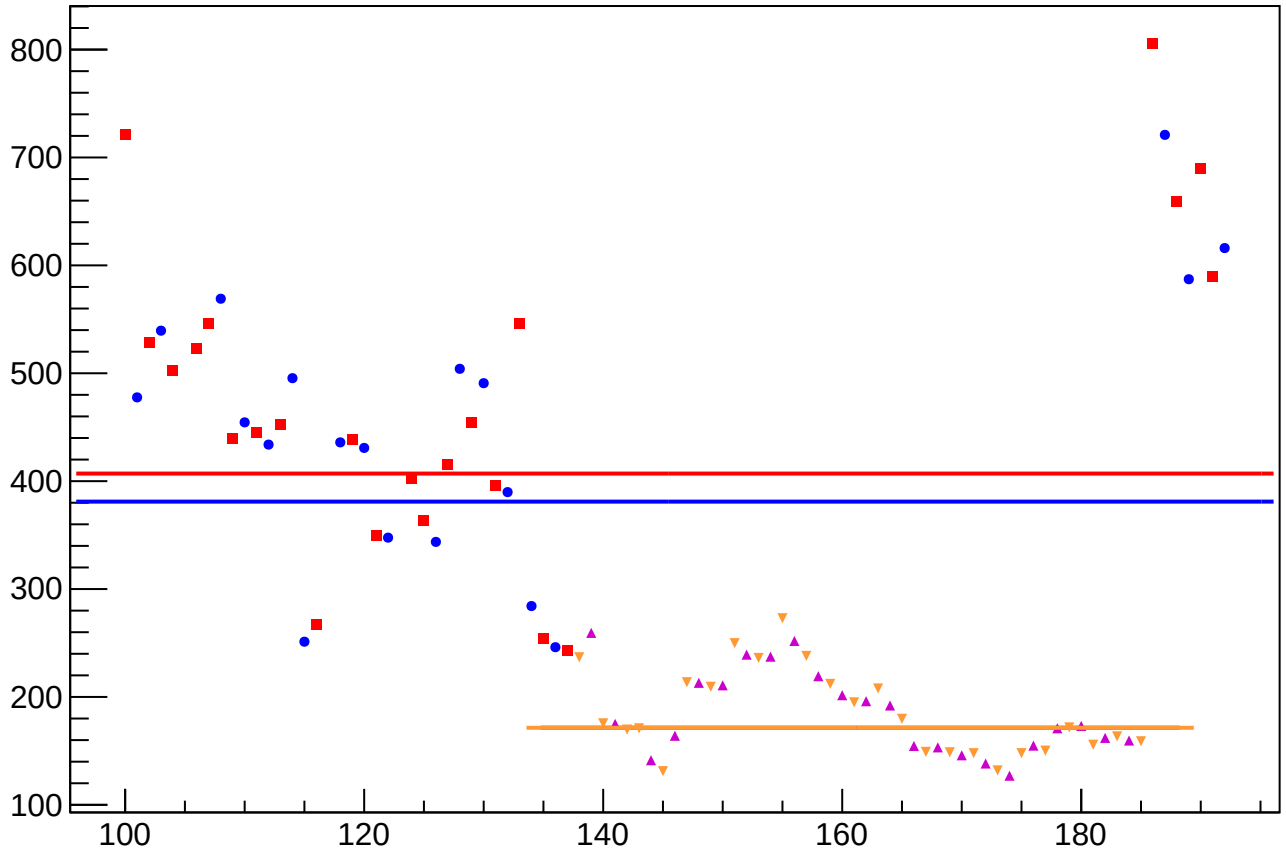
Right Out: 260.620+/-139.190 χ^2/NDF: 17.4/22

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 188.764+/-38.193 χ^2/NDF: 87.8/43

All: 121.440+/-27.392 χ^2/NDF: 140.5/89

- sign 50.132+/-39.307 χ^2/NDF: 46.2/45



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

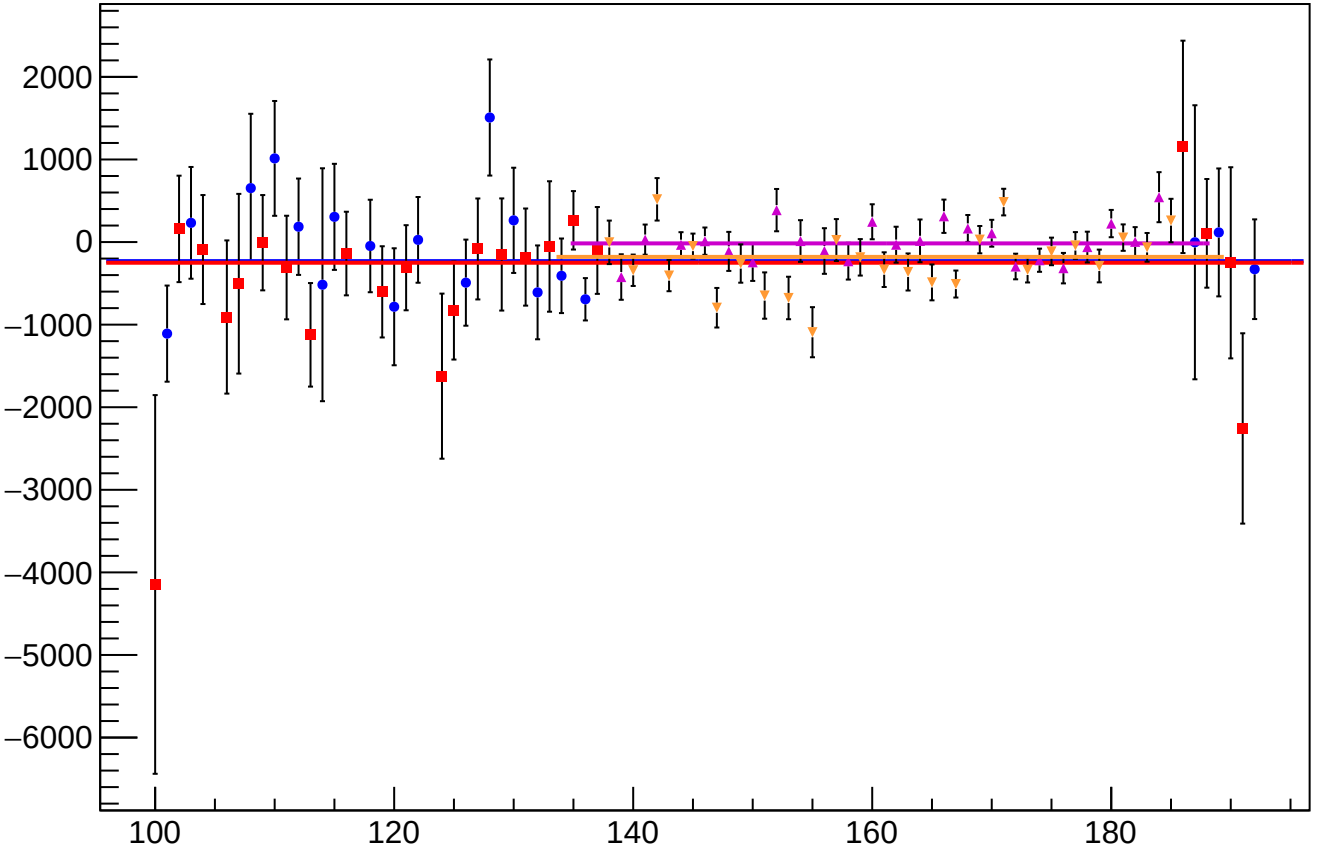
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 188.318+/-0.027 χ^2/NDF: 7619067.0/43

All: 189.268+/-0.019 χ^2/NDF: 15963463.2/89

- sign 190.274+/-0.028 χ^2/NDF: 8341848.0/45

asym_sam_1357_2468_dd_mean vs Slug



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

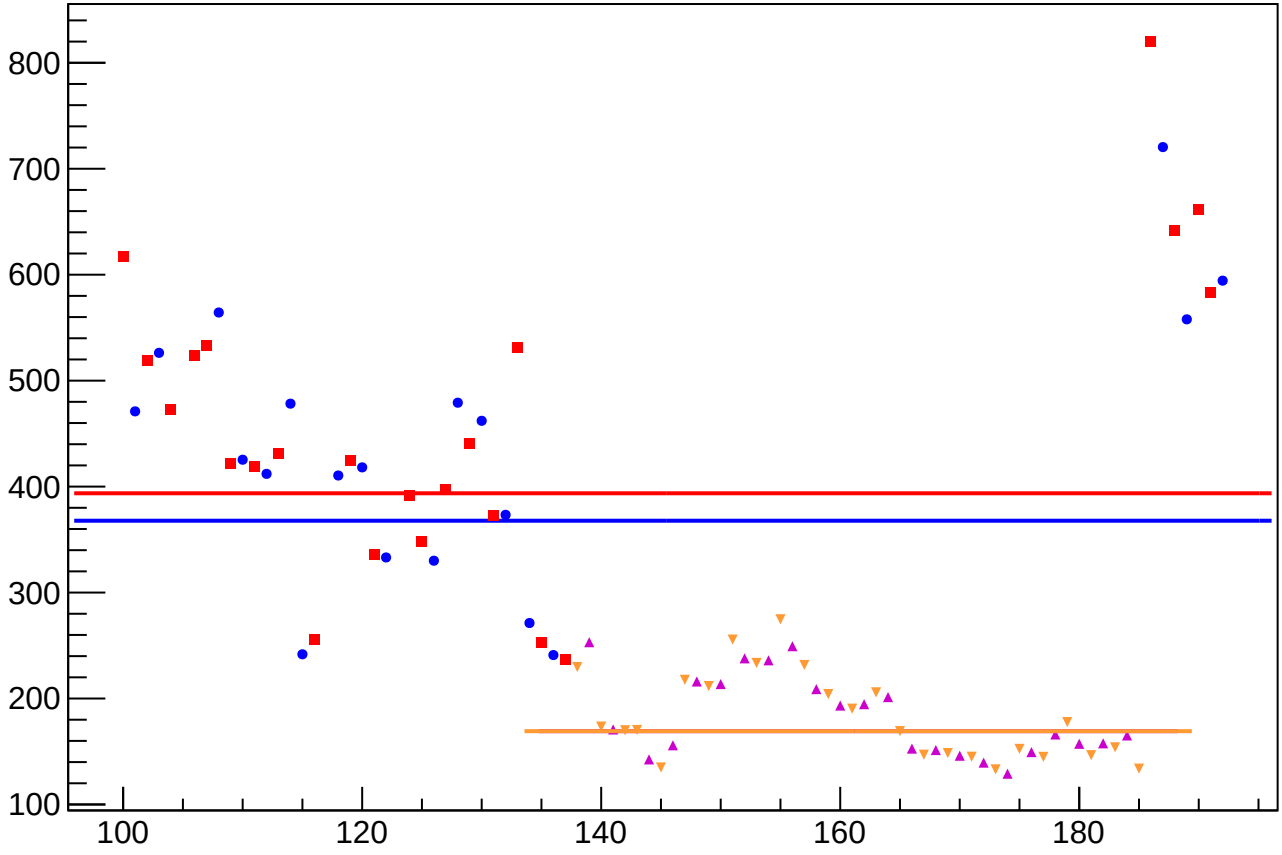
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -183.967+/-37.669 χ^2/NDF: 87.4/43

All: -111.672+/-26.991 χ^2/NDF: 140.6/89

- sign -35.393+/-38.693 χ^2/NDF: 45.6/45

asym_sam_1357_2468_dd_rms vs Slug



Right In: 367.799+/-0.092 χ^2/NDF: 1591200.7/18

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

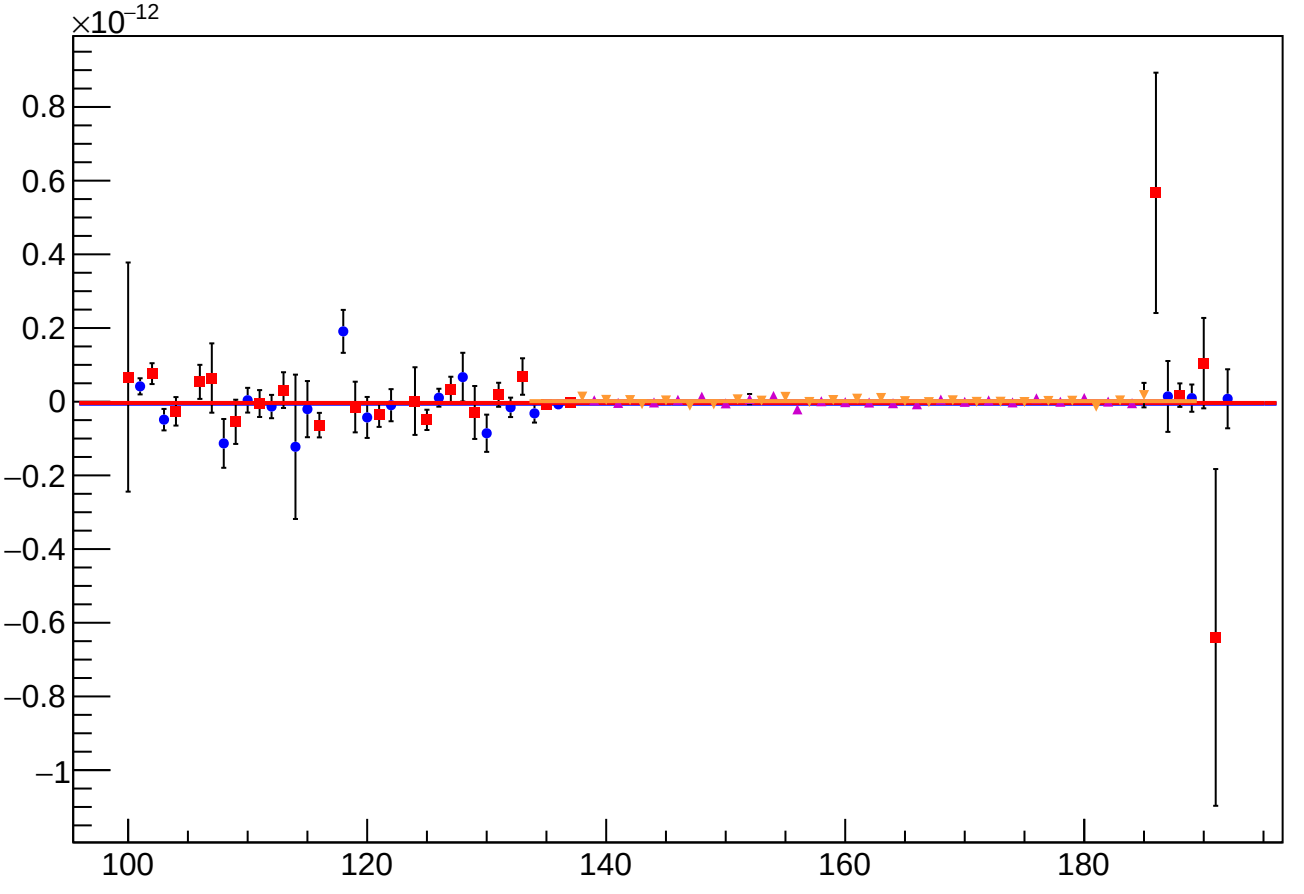
Right Out: 393.707+/-0.095 χ^2/NDF: 1636724.4/22

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 185.912+/-0.027 χ^2/NDF: 7428000.2/43

All: 186.792+/-0.019 χ^2/NDF: 15541114.6/89

- sign 187.720+/-0.027 χ^2/NDF: 8110872.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

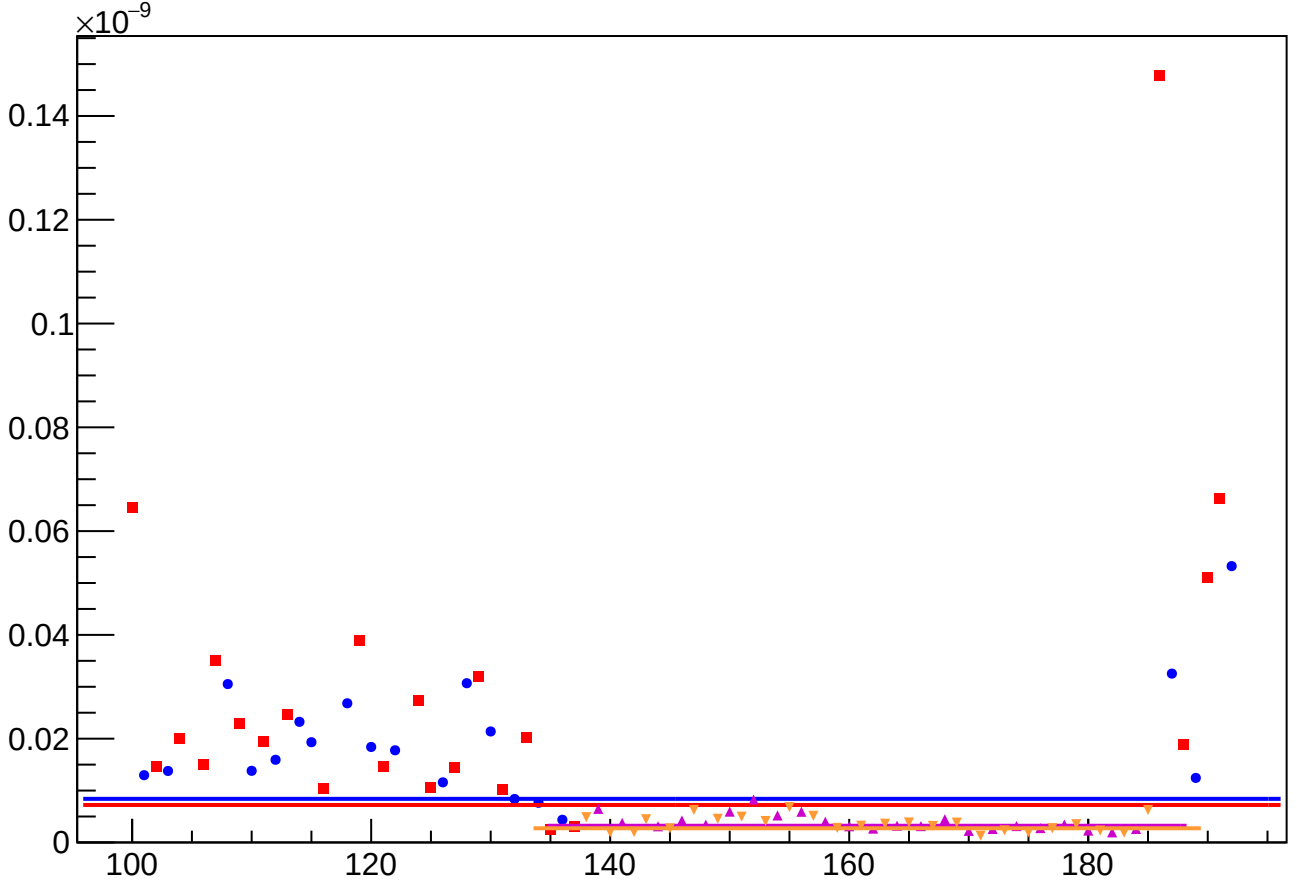
Right Out: -0.000+/-0.000 χ^2/NDF: 29.2/22

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.8/43

All: 0.000+/-0.000 χ^2/NDF: 97.4/89

- sign 0.000+/-0.000 χ^2/NDF: 49.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 2736456.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

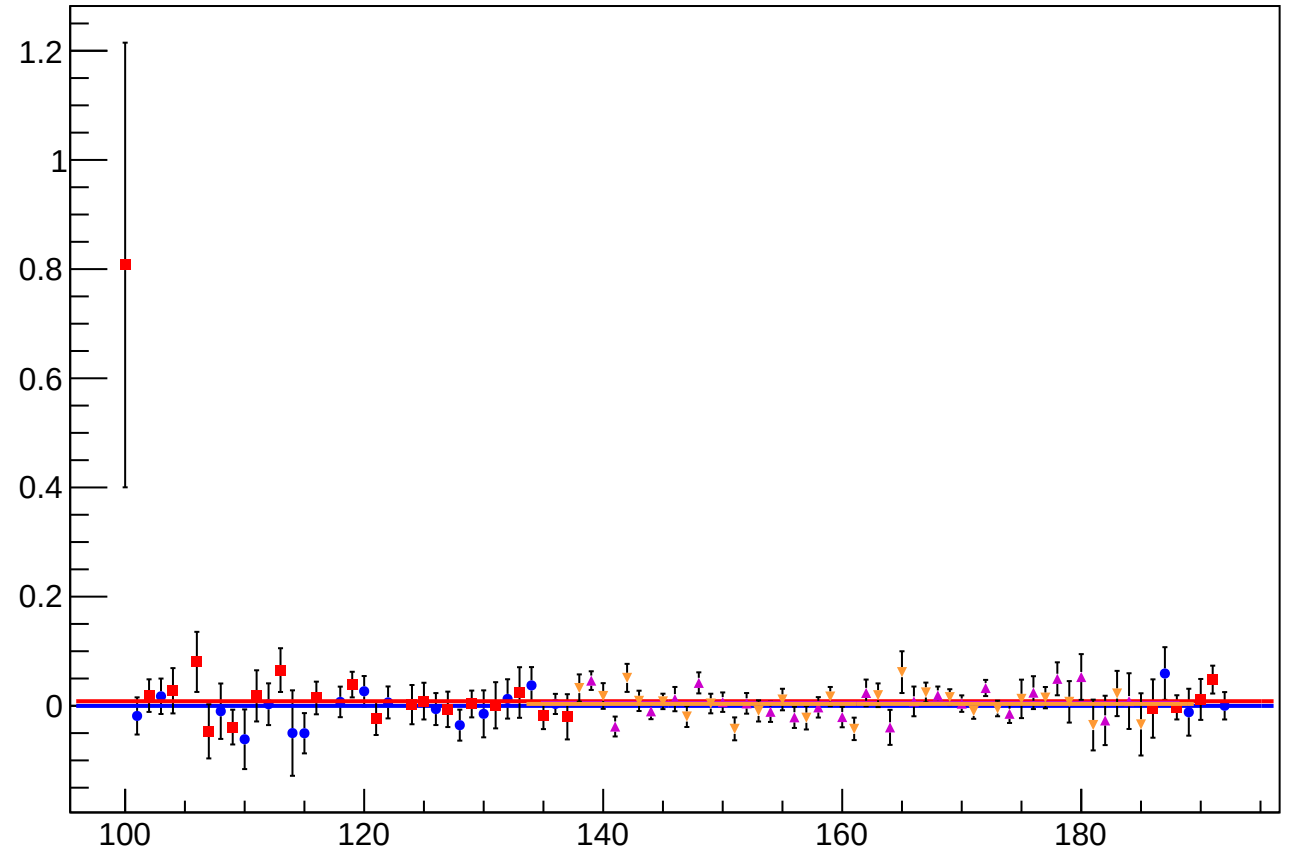
Right Out: 0.000+/-0.000 χ^2/NDF: 4323124.3/22

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6625391.4/43

All: 0.000+/-0.000 χ^2/NDF: 13466900.9/89

- sign 0.000+/-0.000 χ^2/NDF: 6690881.2/45



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

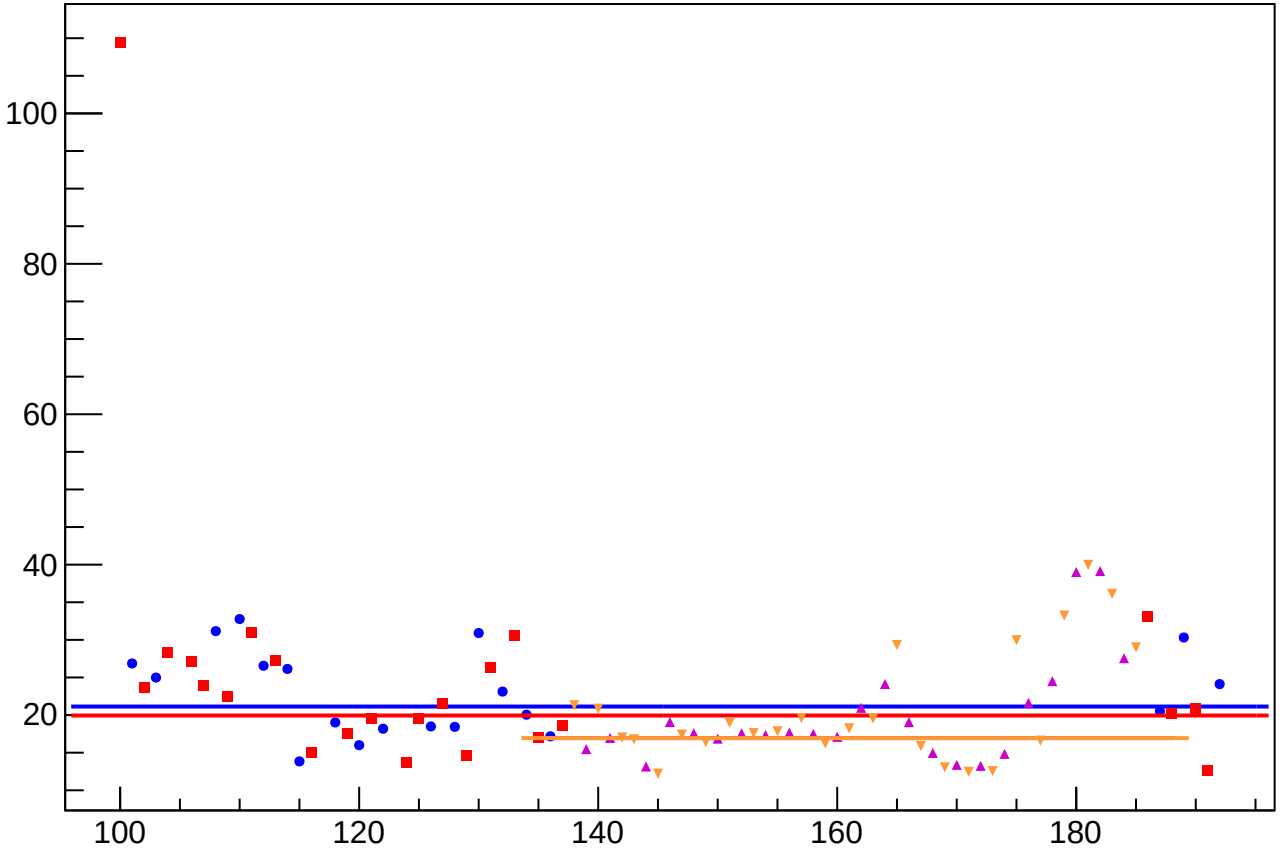
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 37.0/43

All: 0.004+/-0.003 χ^2/NDF: 89.9/89

- sign 0.006+/-0.004 χ^2/NDF: 52.4/45

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



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

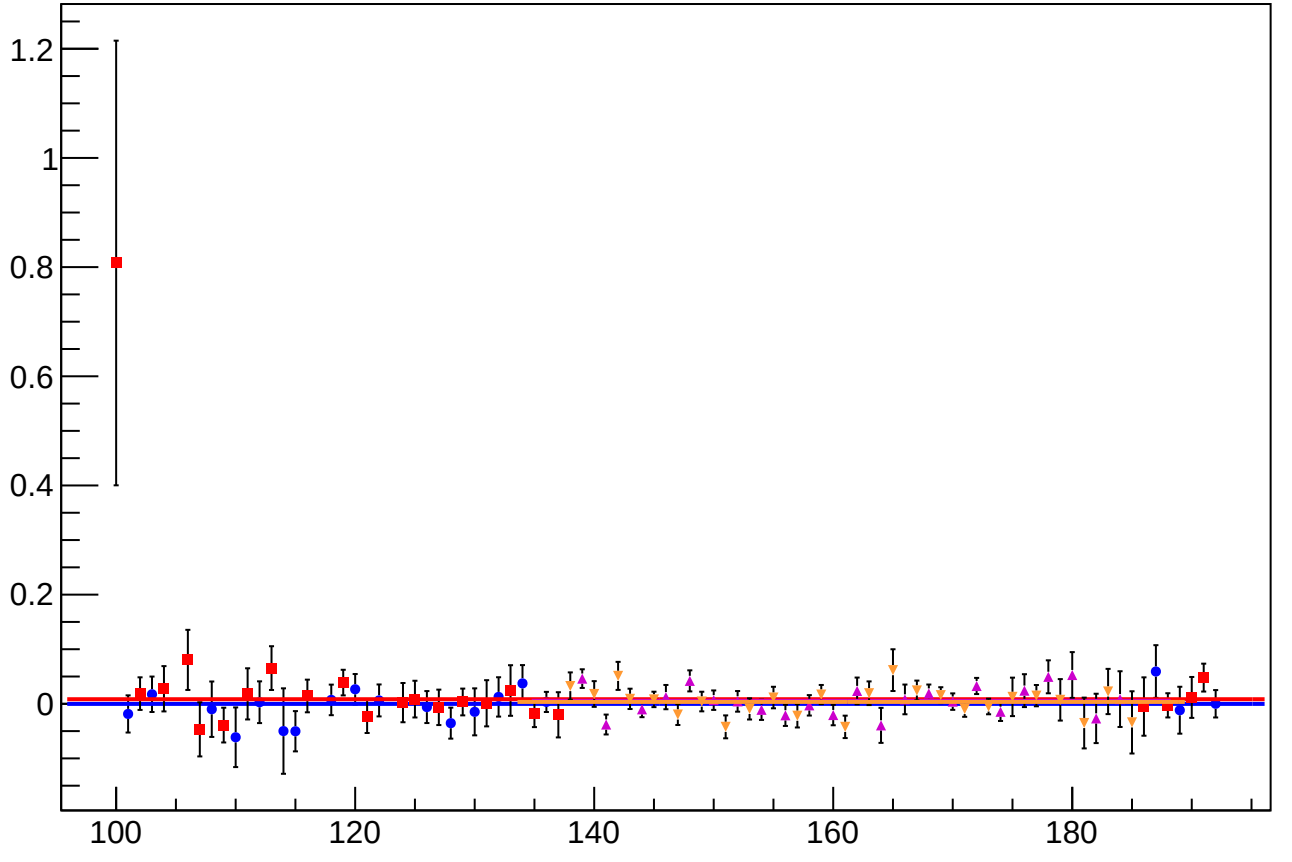
Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.908+/-0.003 χ^2/NDF: 4160583.0/43

All: 17.826+/-0.002 χ^2/NDF: 7536113.0/89

- sign 17.743+/-0.003 χ^2/NDF: 3373423.6/45

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.000+/-0.007 χ^2/NDF: 9.9/18

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

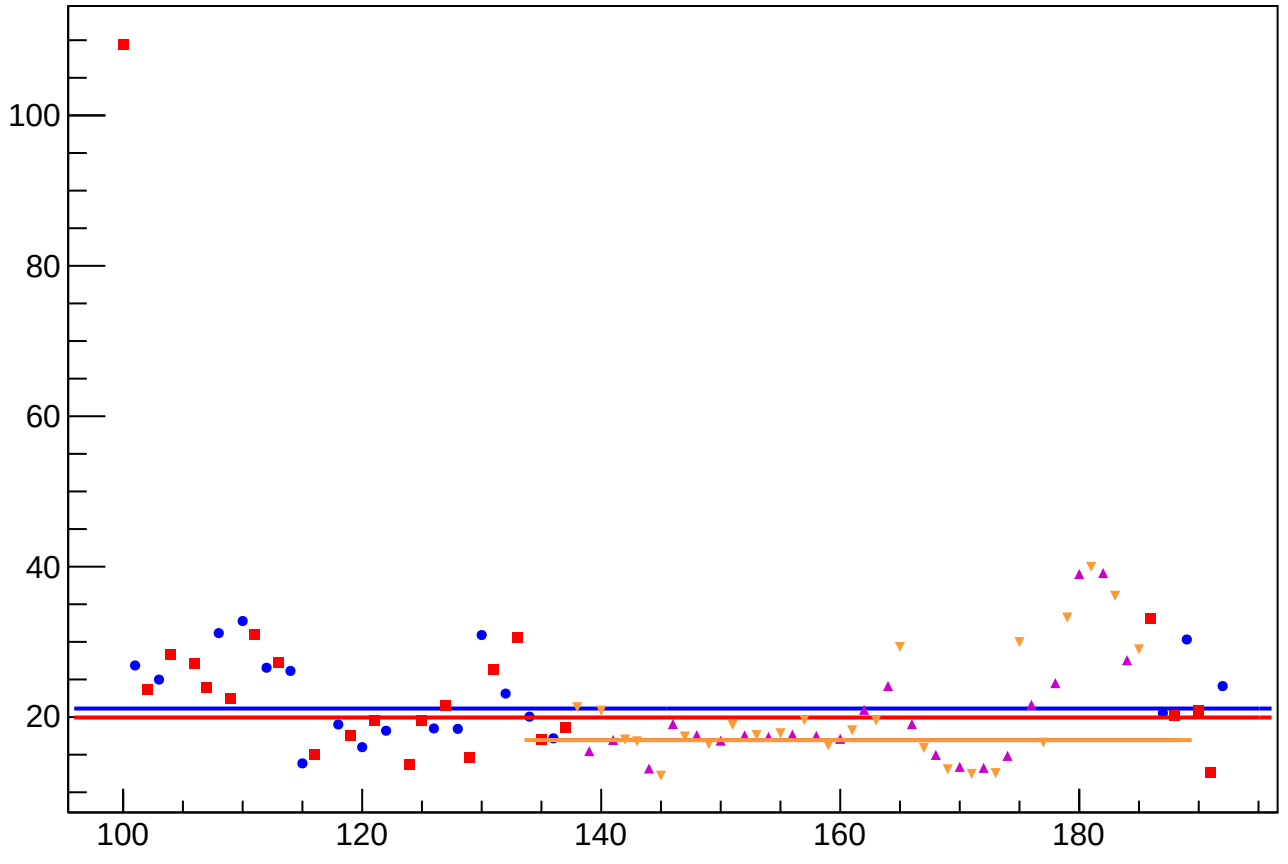
Right Out: 0.008+/-0.007 χ^2/NDF: 19.0/22

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 37.0/43

All: 0.004+/-0.003 χ^2/NDF: 89.9/89

- sign 0.006+/-0.004 χ^2/NDF: 52.4/45



Right In: 21.136+/-0.005 χ^2/NDF: 837481.6/18

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

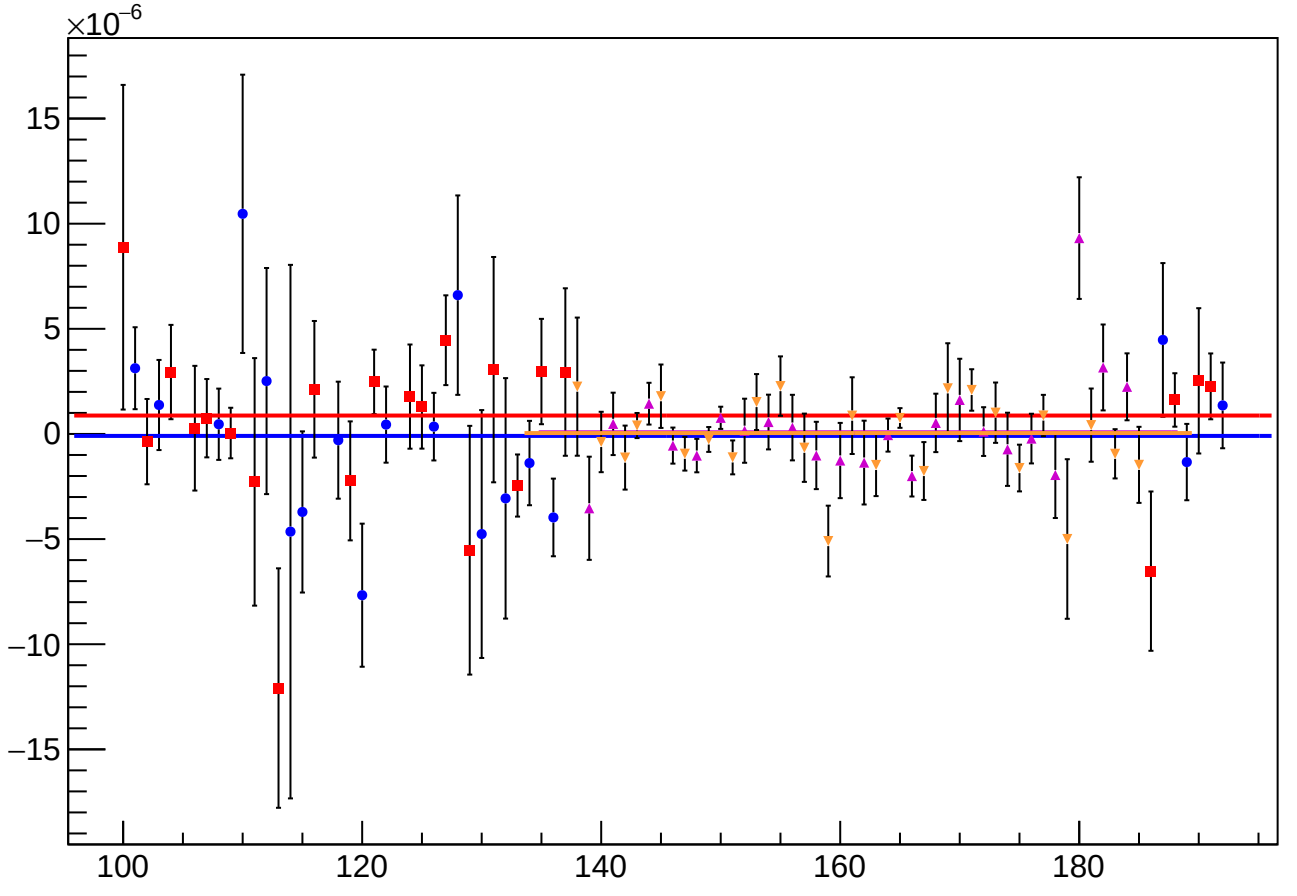
Right Out: 19.944+/-0.005 χ^2/NDF: 1158013.5/22

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.908+/-0.003 χ^2/NDF: 4160583.0/43

All: 17.826+/-0.002 χ^2/NDF: 7536113.0/89

- sign 17.743+/-0.003 χ^2/NDF: 3373423.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

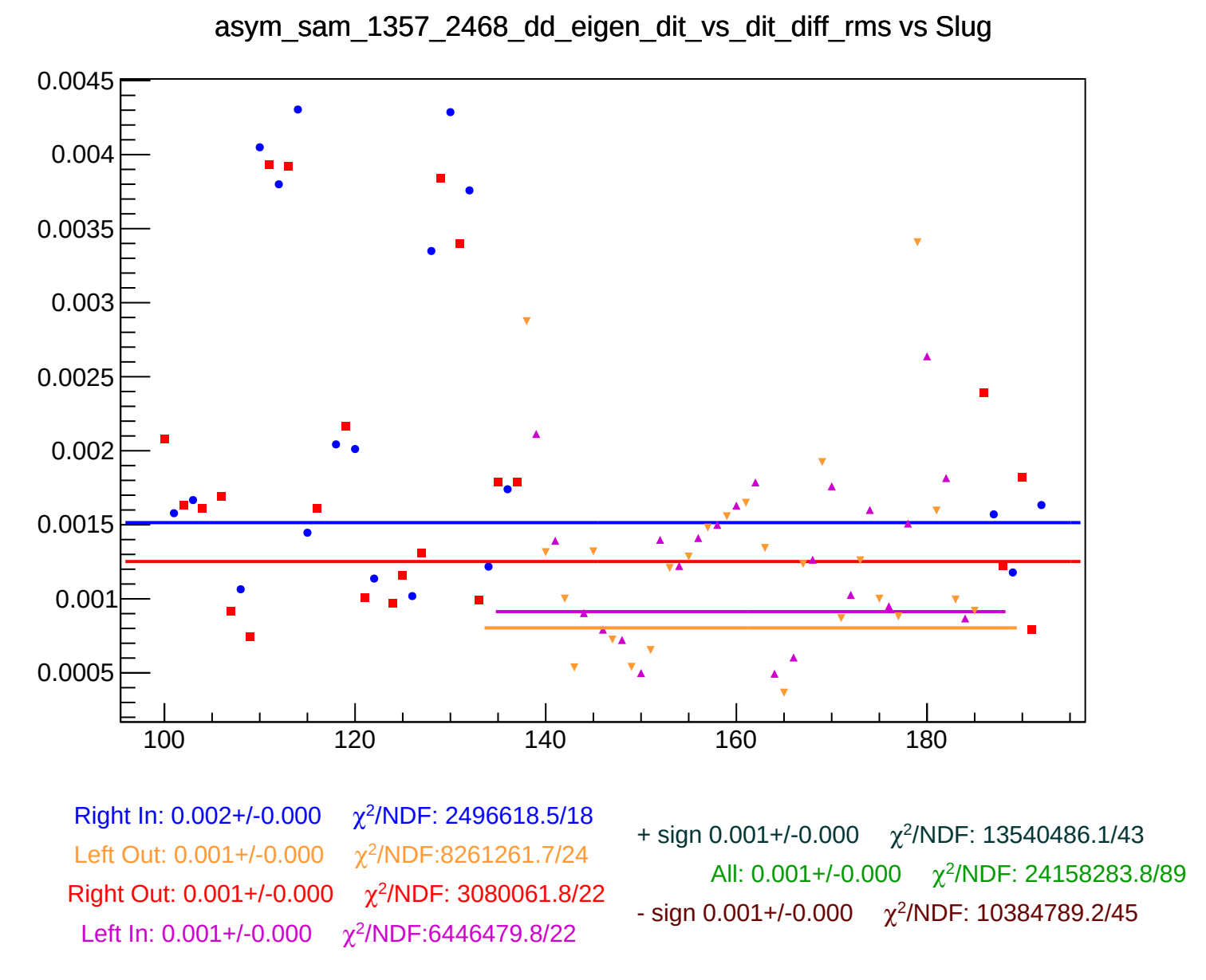
Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/22

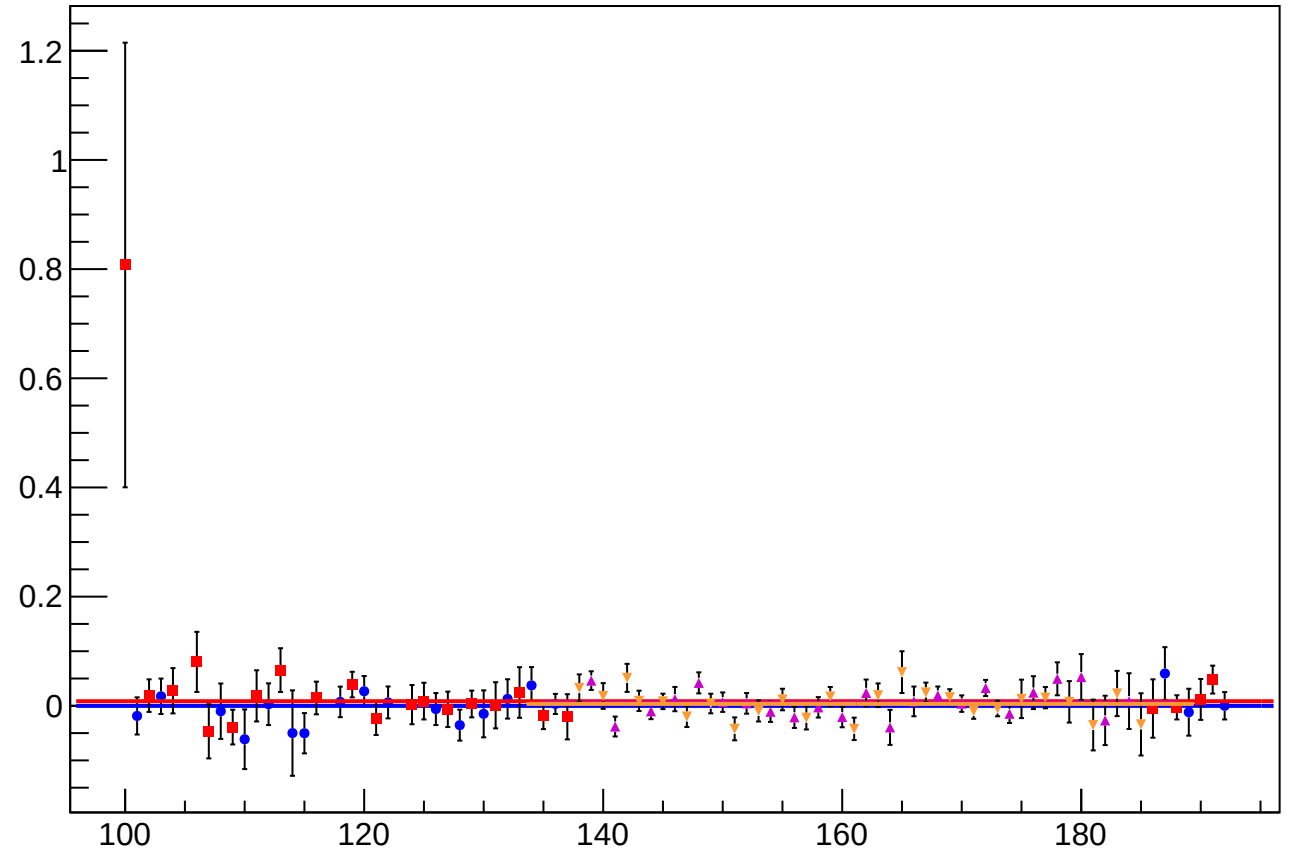
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.7/43

All: 0.000+/-0.000 χ^2/NDF: 119.9/89

- sign 0.000+/-0.000 χ^2/NDF: 59.6/45


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
Right In: 0.002+/-0.000 χ²/NDF: 2496618.5/18
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 3080061.8/22
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 13540486.1/43
All: 0.001+/-0.000 χ²/NDF: 24158283.8/89
- sign 0.001+/-0.000 χ²/NDF: 10384789.2/45



Right In: -0.000+/-0.007 χ^2/NDF: 9.9/18

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

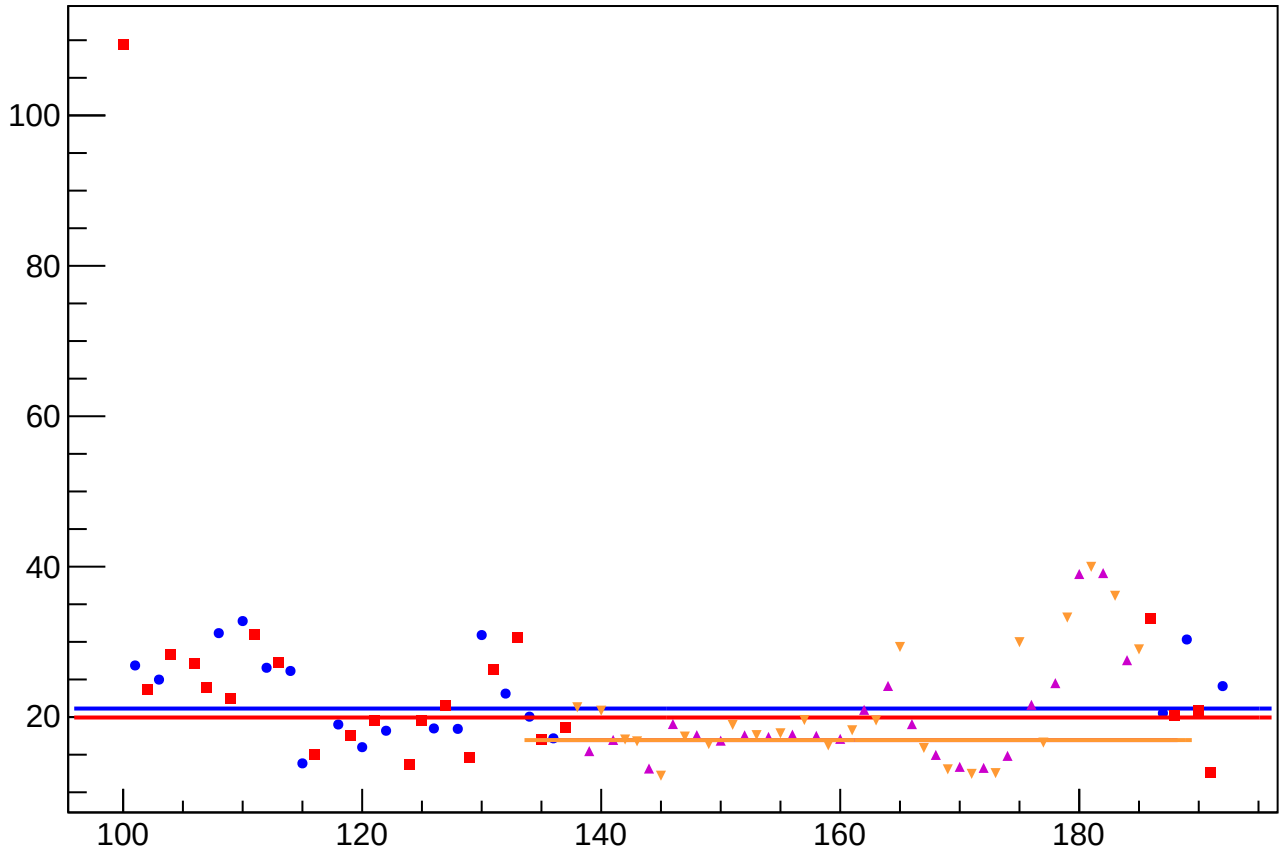
Right Out: 0.008+/-0.007 χ^2/NDF: 19.0/22

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 37.0/43

All: 0.004+/-0.003 χ^2/NDF: 89.9/89

- sign 0.006+/-0.004 χ^2/NDF: 52.4/45



Right In: 21.135+/-0.005 χ^2/NDF: 837381.2/18

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

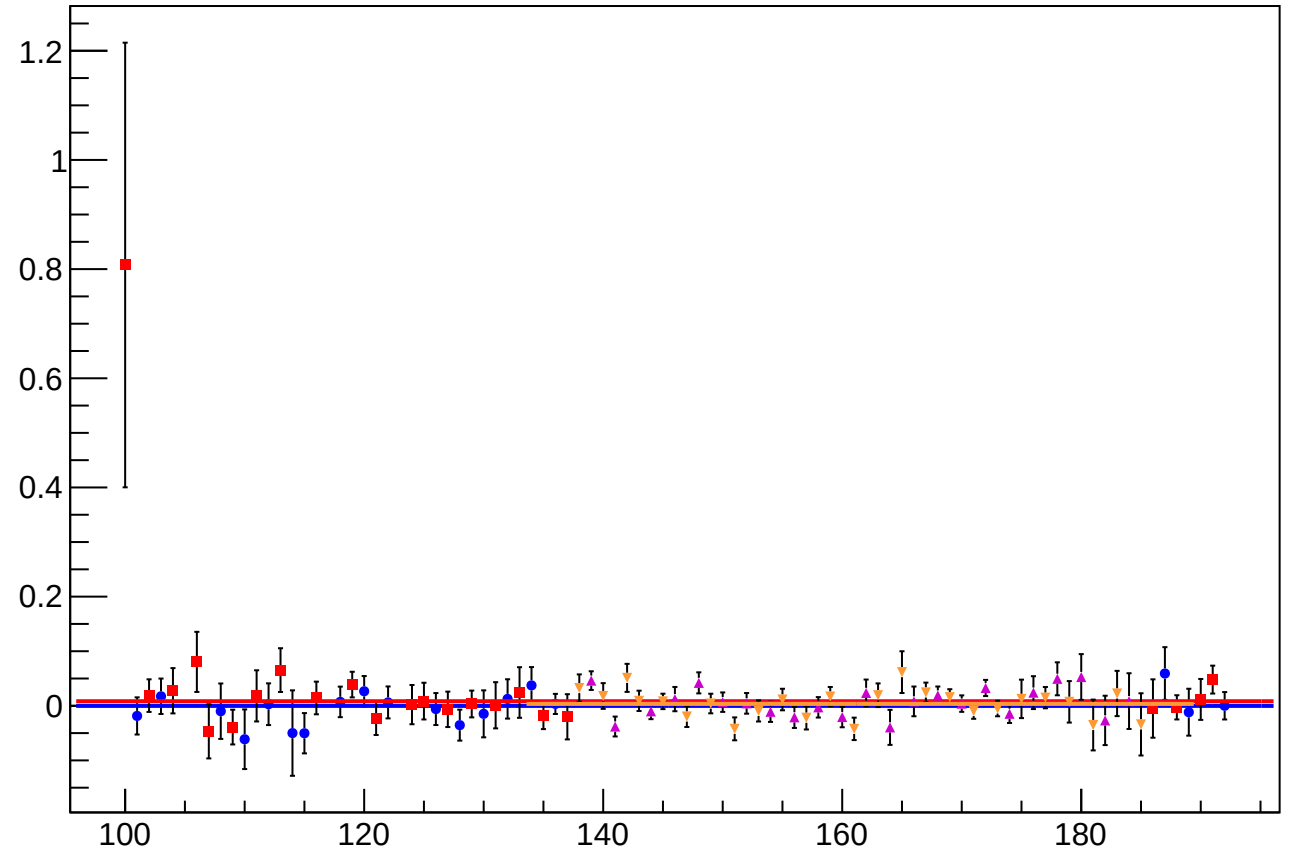
Right Out: 19.943+/-0.005 χ^2/NDF: 1157997.5/22

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.908+/-0.003 χ^2/NDF: 4160320.4/43

All: 17.826+/-0.002 χ^2/NDF: 7535730.7/89

- sign 17.743+/-0.003 χ^2/NDF: 3373302.0/45



Right In: -0.000+/-0.007 χ^2/NDF: 9.9/18

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

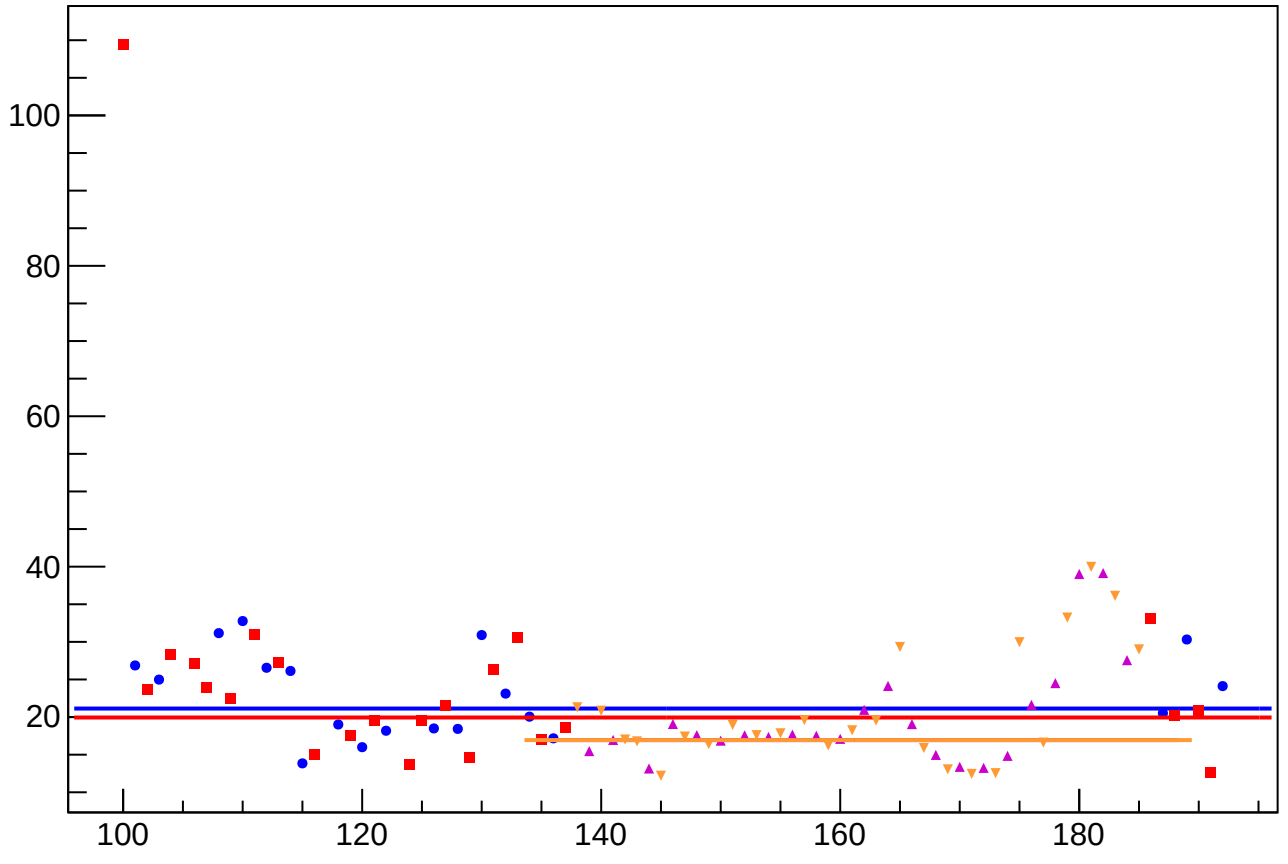
Right Out: 0.008+/-0.007 χ^2/NDF: 19.0/22

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 37.0/43

All: 0.004+/-0.003 χ^2/NDF: 89.9/89

- sign 0.006+/-0.004 χ^2/NDF: 52.4/45



Right In: 21.135+/-0.005 χ^2/NDF: 837381.2/18

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

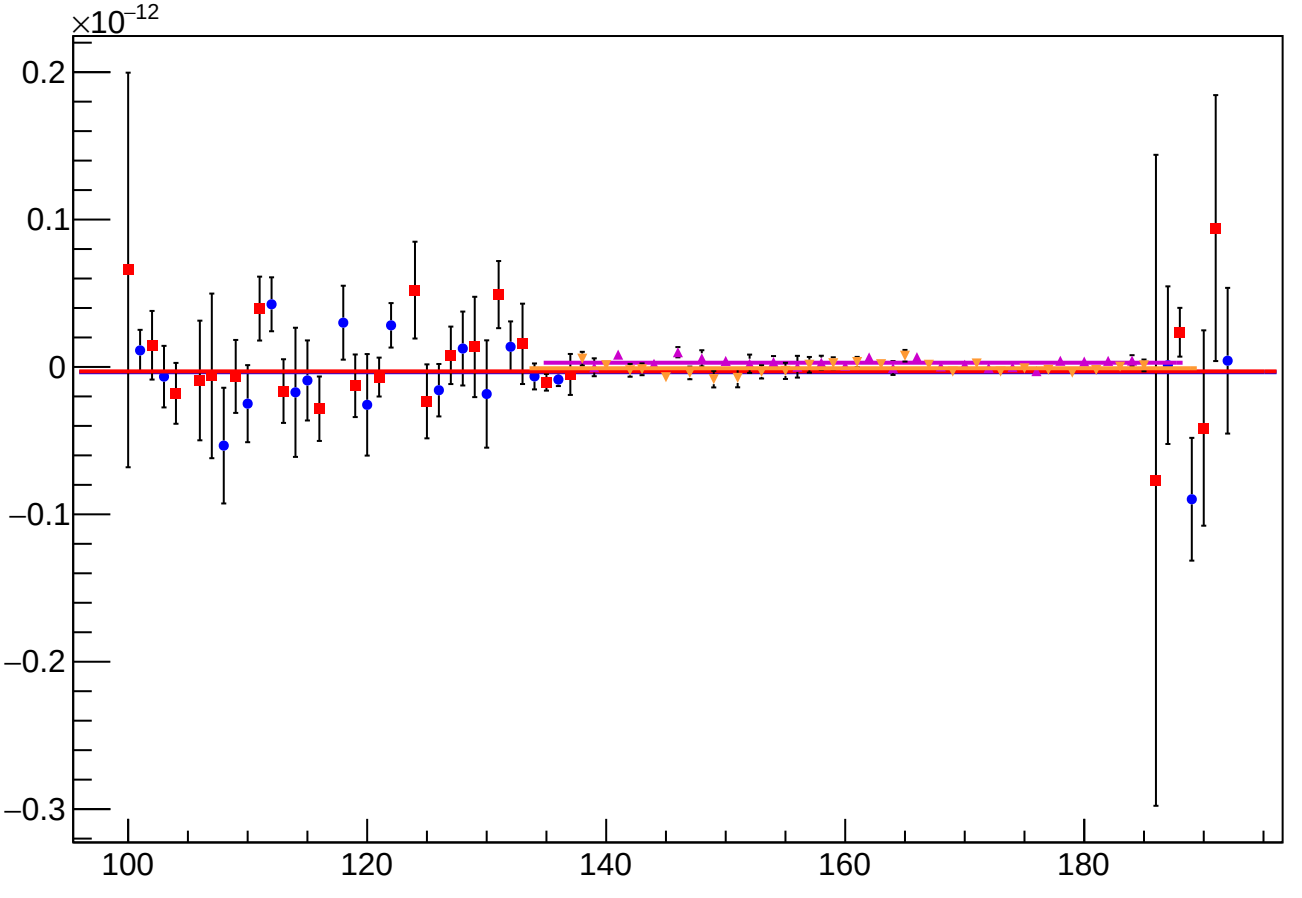
Right Out: 19.943+/-0.005 χ^2/NDF: 1157997.5/22

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.908+/-0.003 χ^2/NDF: 4160320.4/43

All: 17.826+/-0.002 χ^2/NDF: 7535730.7/89

- sign 17.743+/-0.003 χ^2/NDF: 3373302.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

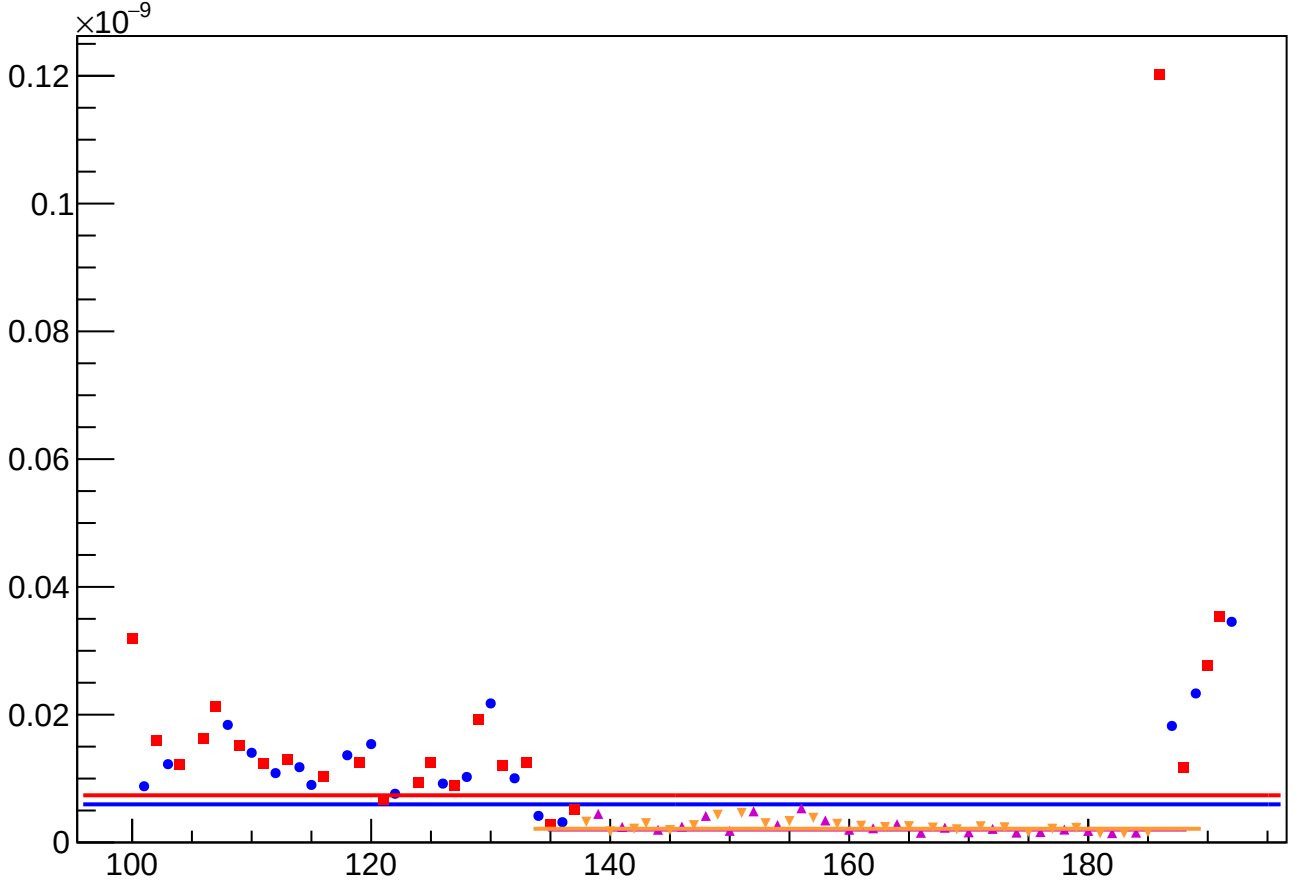
Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/22

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.6/43

All: 0.000+/-0.000 χ^2/NDF: 114.3/89

- sign 0.000+/-0.000 χ^2/NDF: 48.4/45



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

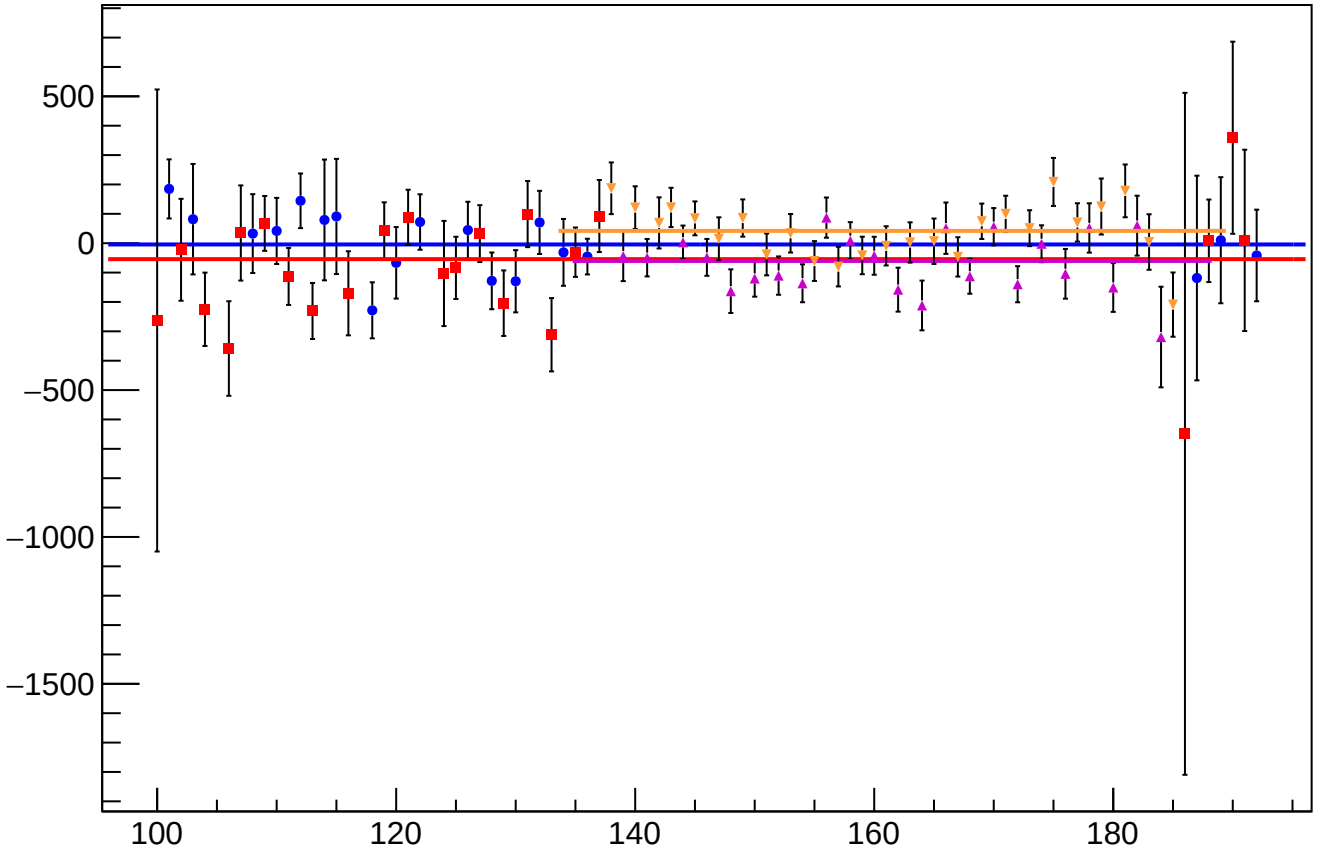
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8711456.3/43

All: 0.000+/-0.000 χ^2/NDF: 19260914.2/89

- sign 0.000+/-0.000 χ^2/NDF: 10513583.6/45

reg_asym_sam_12345678_avg_mean vs Slug



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

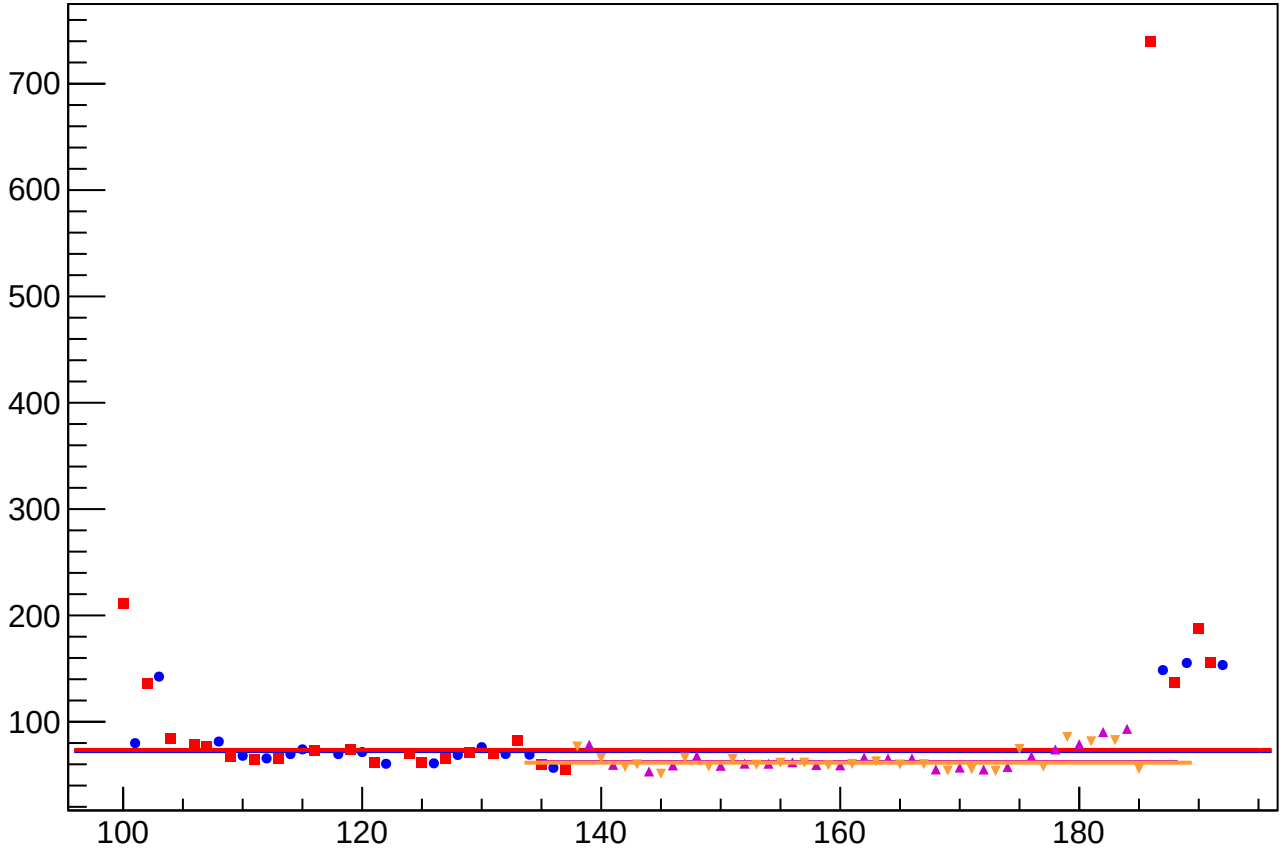
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.145+/-12.404 χ^2/NDF: 52.4/43

All: -12.542+/-8.900 χ^2/NDF: 138.1/89

- sign -58.880+/-12.775 χ^2/NDF: 60.1/45

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 72.454+/-0.018 χ^2/NDF: 1450000.1/18

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

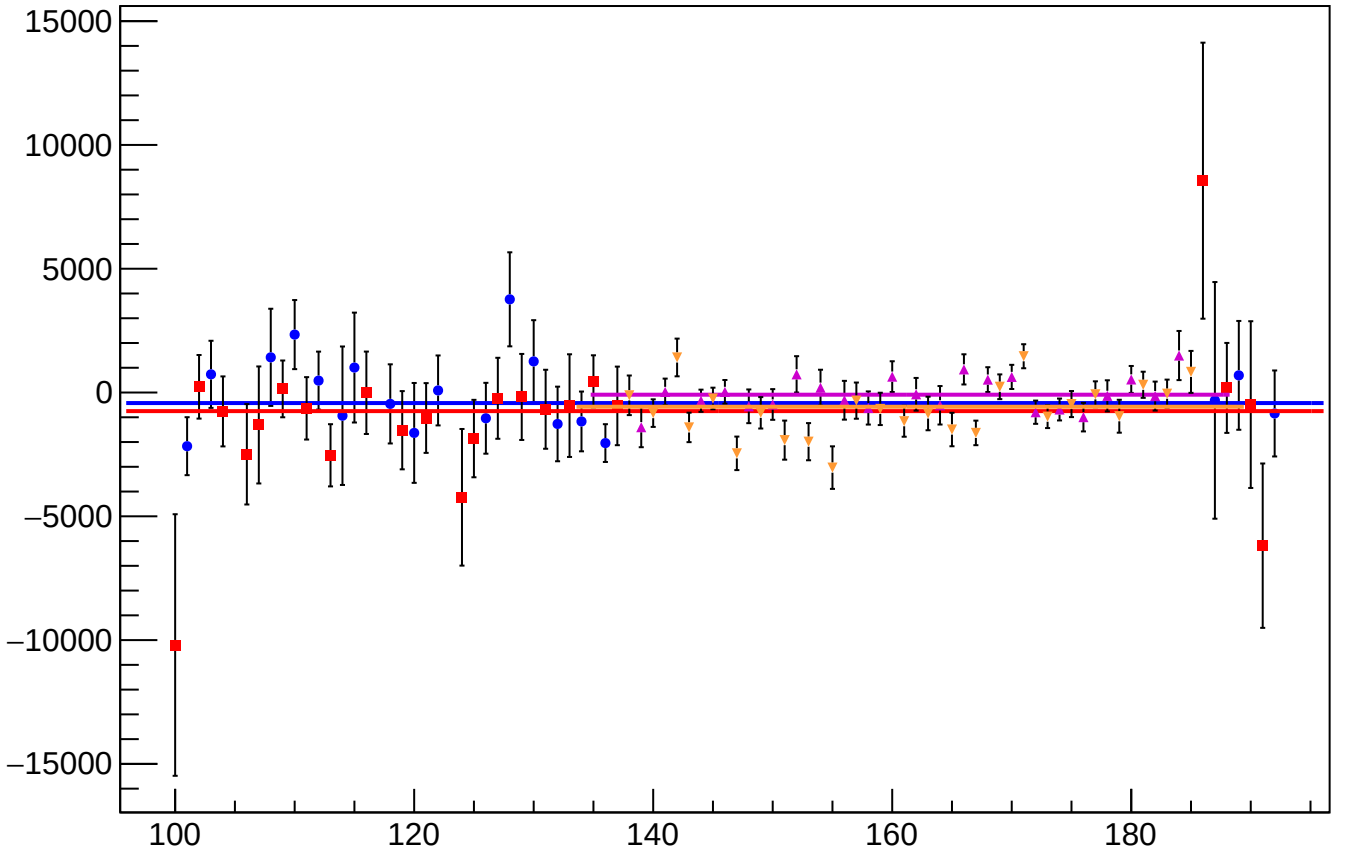
Right Out: 73.539+/-0.018 χ^2/NDF: 2013749.0/22

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.106+/-0.009 χ^2/NDF: 2365855.6/43

All: 64.515+/-0.006 χ^2/NDF: 5276059.5/89

- sign 64.949+/-0.009 χ^2/NDF: 2905726.9/45



Right In: -425.642+/-337.135 χ^2/NDF: 20.9/18

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

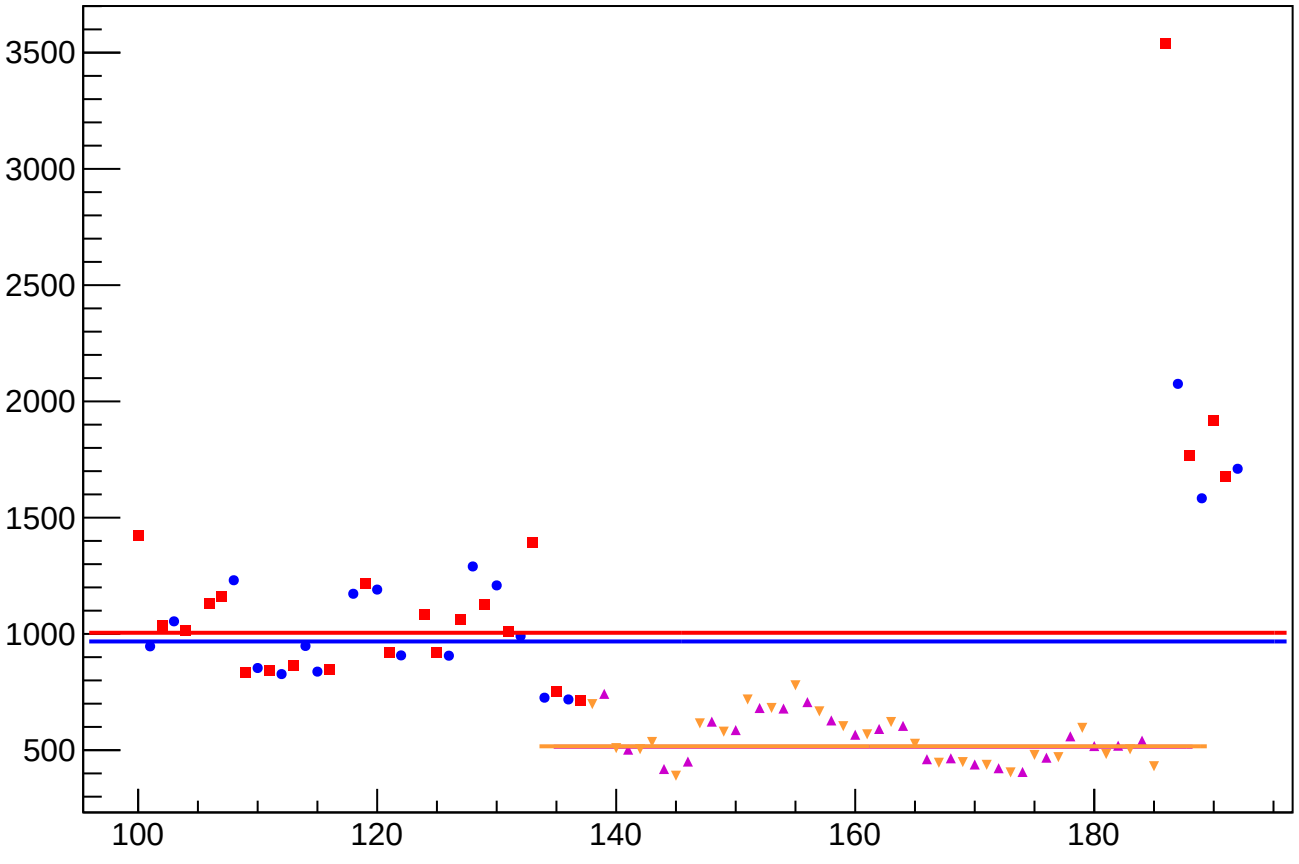
Right Out: -751.191+/-342.257 χ^2/NDF: 17.1/22

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

\+ sign -558.109+/-112.831 χ^2/NDF: 89.8/43

All: -365.171+/-80.652 χ^2/NDF: 140.8/89

\- sign -163.598+/-115.329 χ^2/NDF: 45.0/45



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

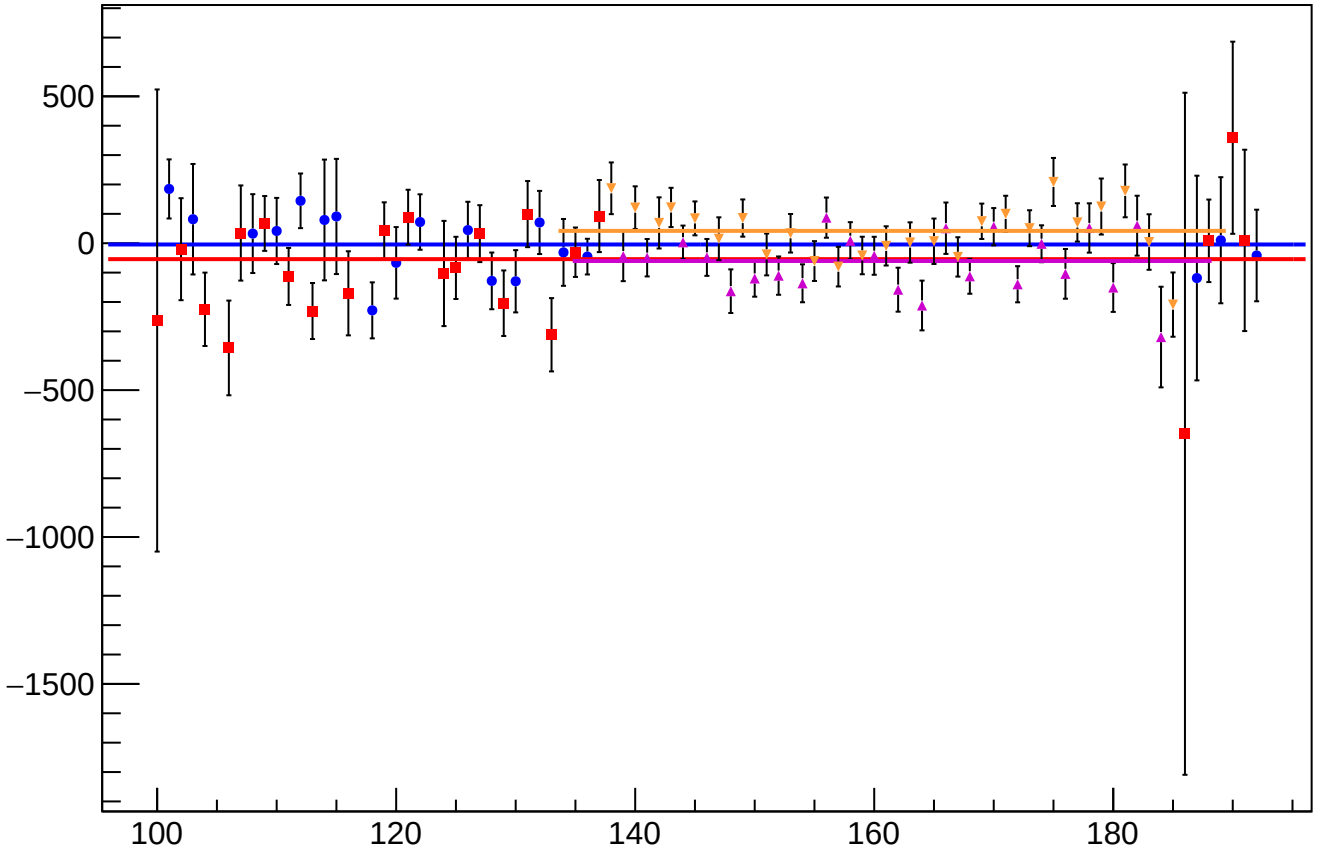
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 567.143+/-0.080 χ^2/NDF: 5625173.1/43

All: 568.751+/-0.057 χ^2/NDF: 11844594.4/89

- sign 570.431+/-0.082 χ^2/NDF: 6218590.9/45

cor_asym_sam_12345678_avg_mean vs Slug



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

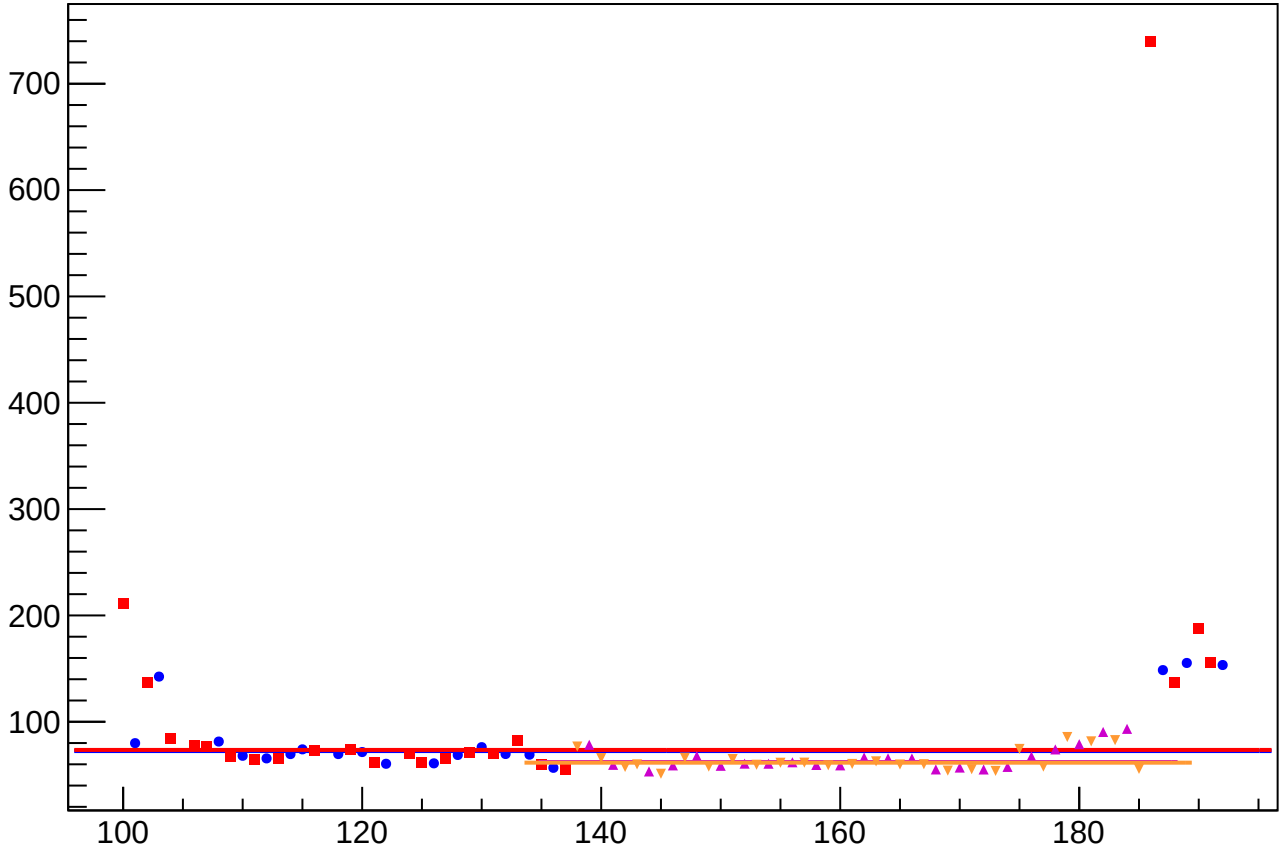
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.147+/-12.404 χ^2/NDF: 52.4/43

All: -12.526+/-8.900 χ^2/NDF: 138.0/89

- sign -58.851+/-12.776 χ^2/NDF: 60.0/45

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 72.454+/-0.018 χ^2/NDF: 1450003.2/18

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

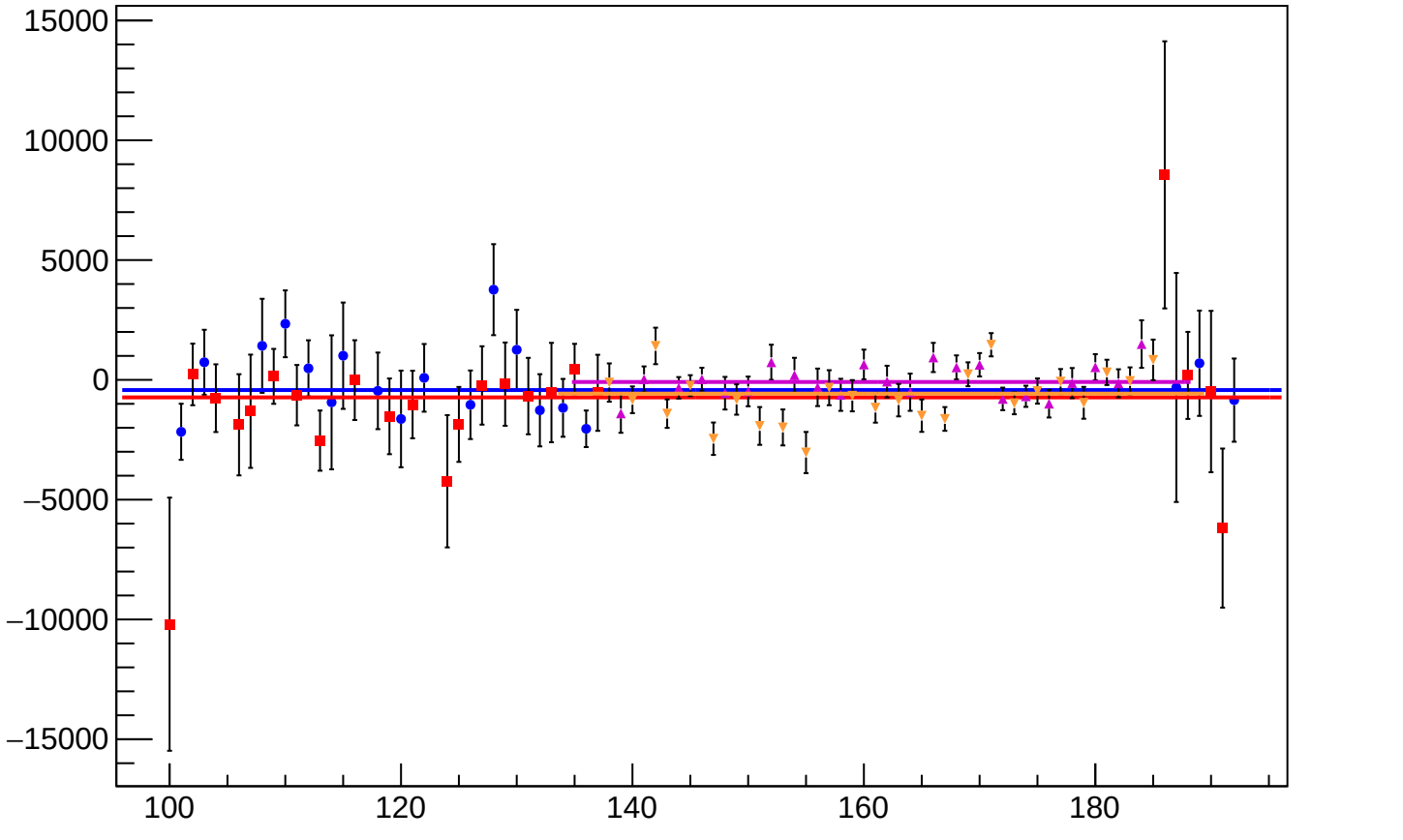
Right Out: 73.521+/-0.018 χ^2/NDF: 2013564.3/22

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.106+/-0.009 χ^2/NDF: 2365858.6/43

All: 64.513+/-0.006 χ^2/NDF: 5274877.7/89

- sign 64.944+/-0.009 χ^2/NDF: 2904590.9/45



Right In: -425.614+/-337.137 χ^2/NDF: 20.9/18

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

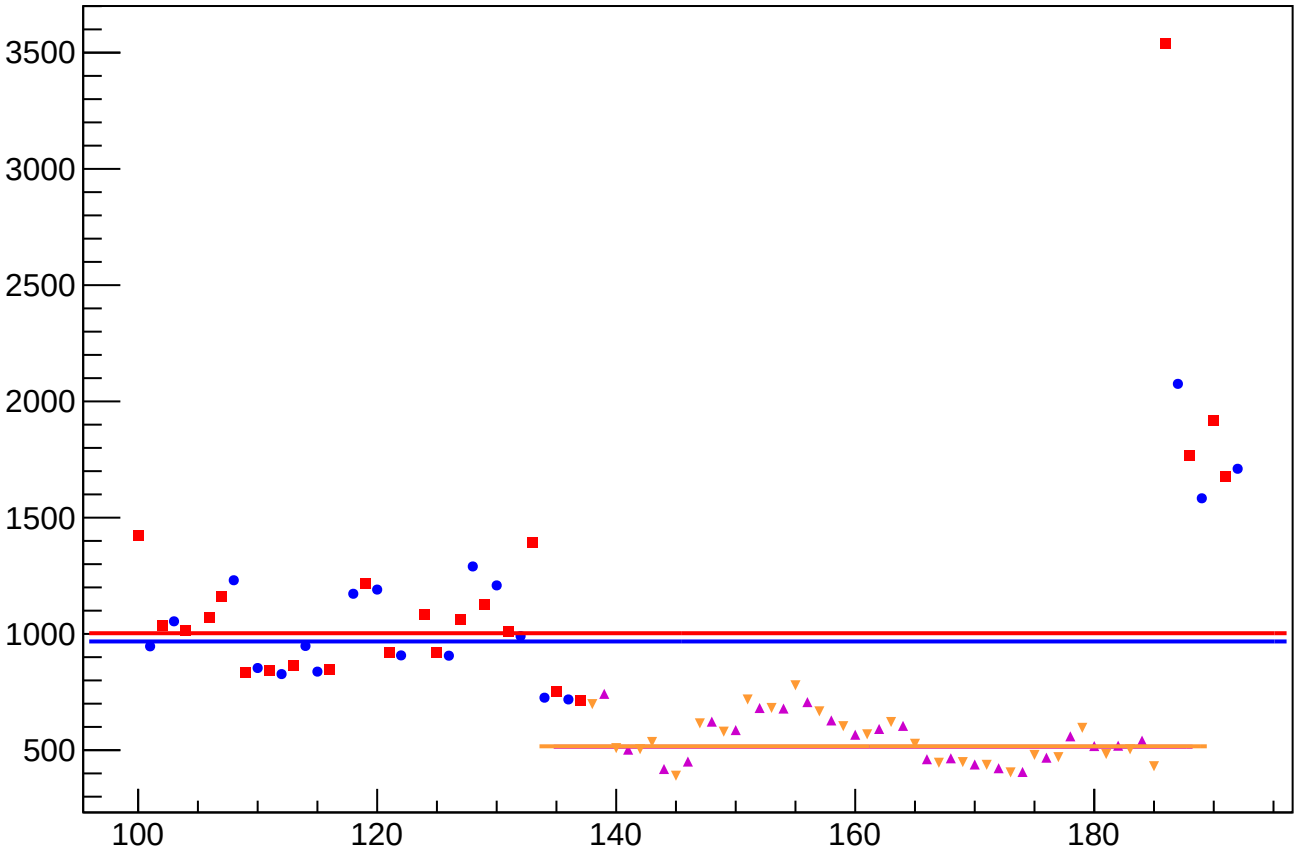
Right Out: -731.468+/-342.654 χ^2/NDF: 16.6/22

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -558.100+/-112.831 χ^2/NDF: 89.8/43

All: -364.024+/-80.657 χ^2/NDF: 140.2/89

- sign -161.209+/-115.344 χ^2/NDF: 44.3/45



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

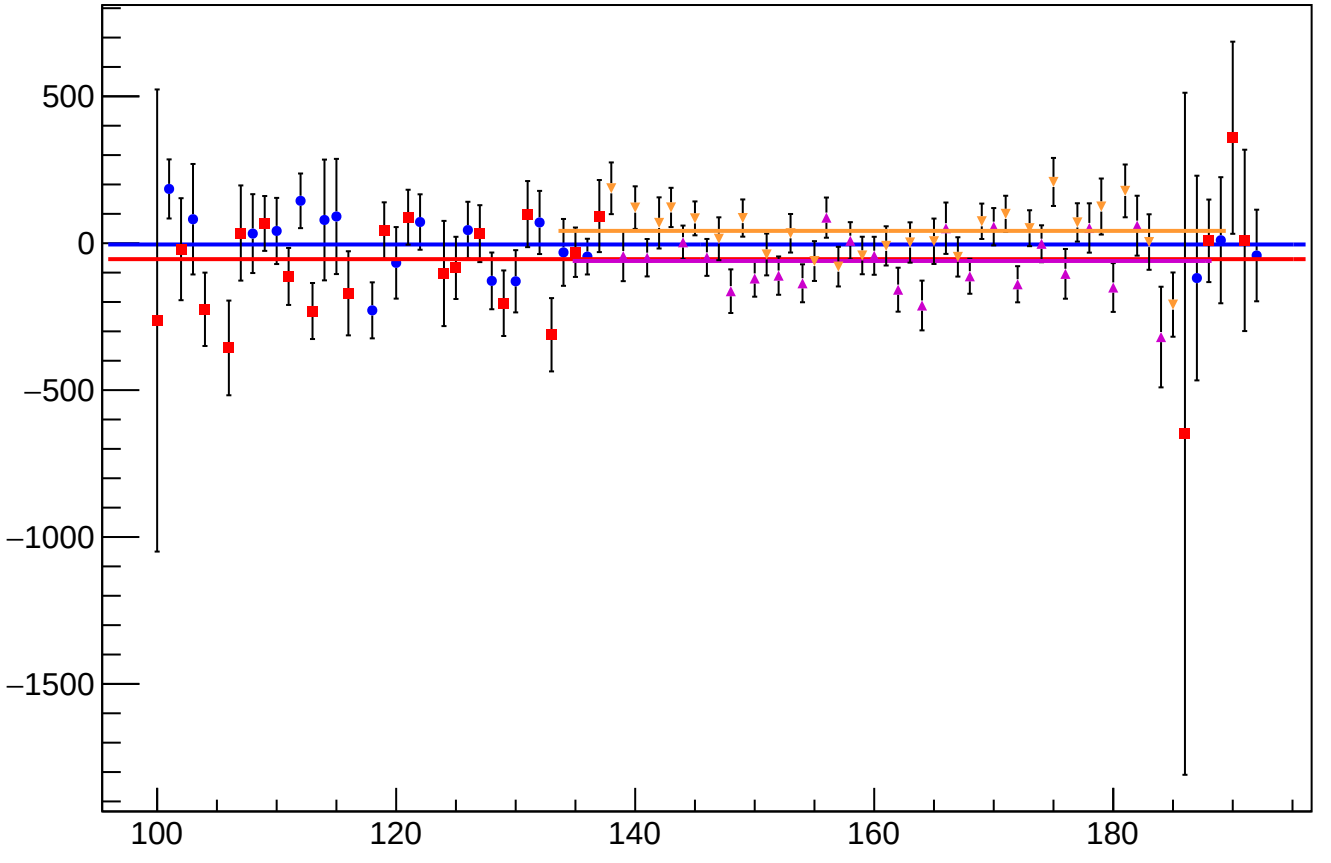
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 567.143+/-0.080 χ^2/NDF: 5625223.7/43

All: 568.591+/-0.057 χ^2/NDF: 11803200.9/89

- sign 570.104+/-0.082 χ^2/NDF: 6177304.0/45

eigen_cor_asym_sam_12345678_avg_mean vs Slug



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

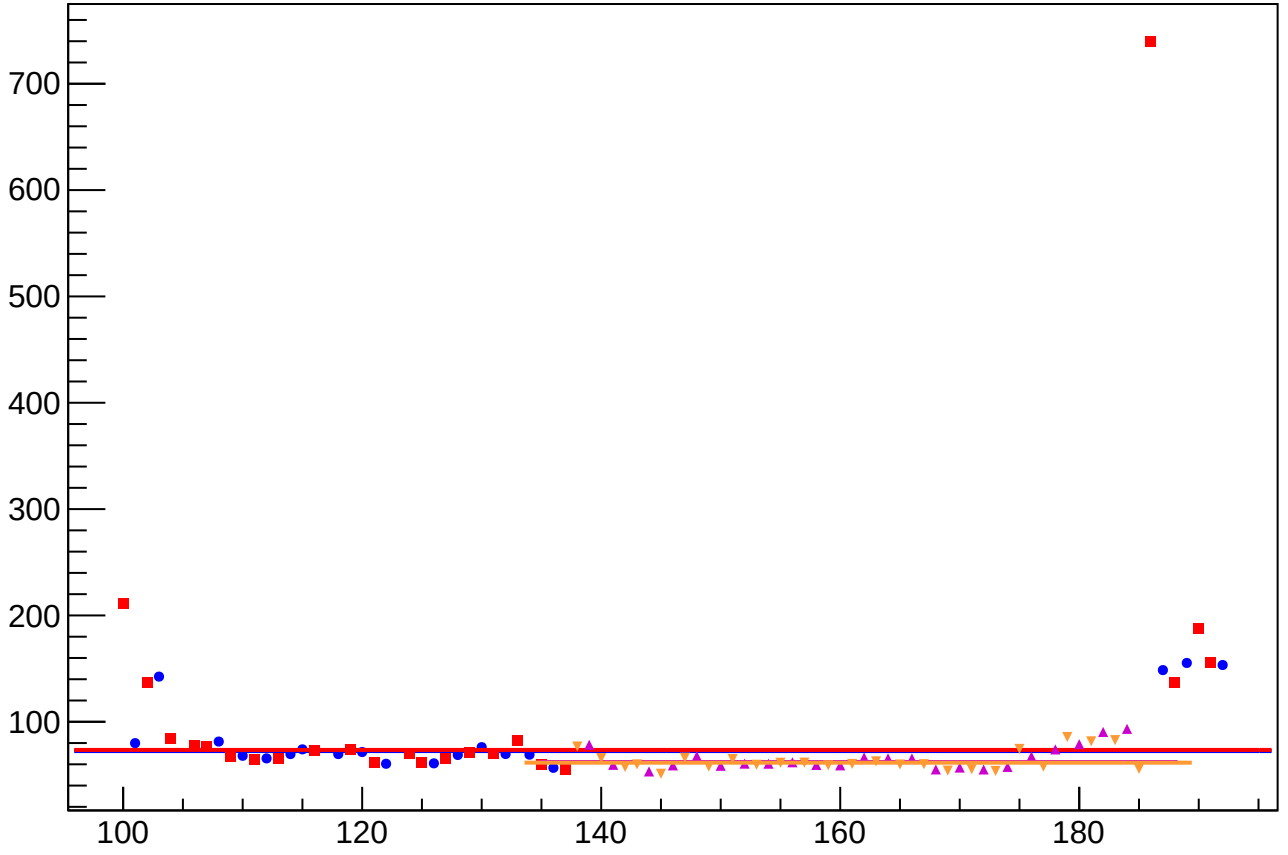
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.147+/-12.404 χ^2/NDF: 52.4/43

All: -12.526+/-8.900 χ^2/NDF: 138.0/89

- sign -58.851+/-12.776 χ^2/NDF: 60.0/45

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 72.454+/-0.018 χ^2/NDF: 1450003.2/18

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

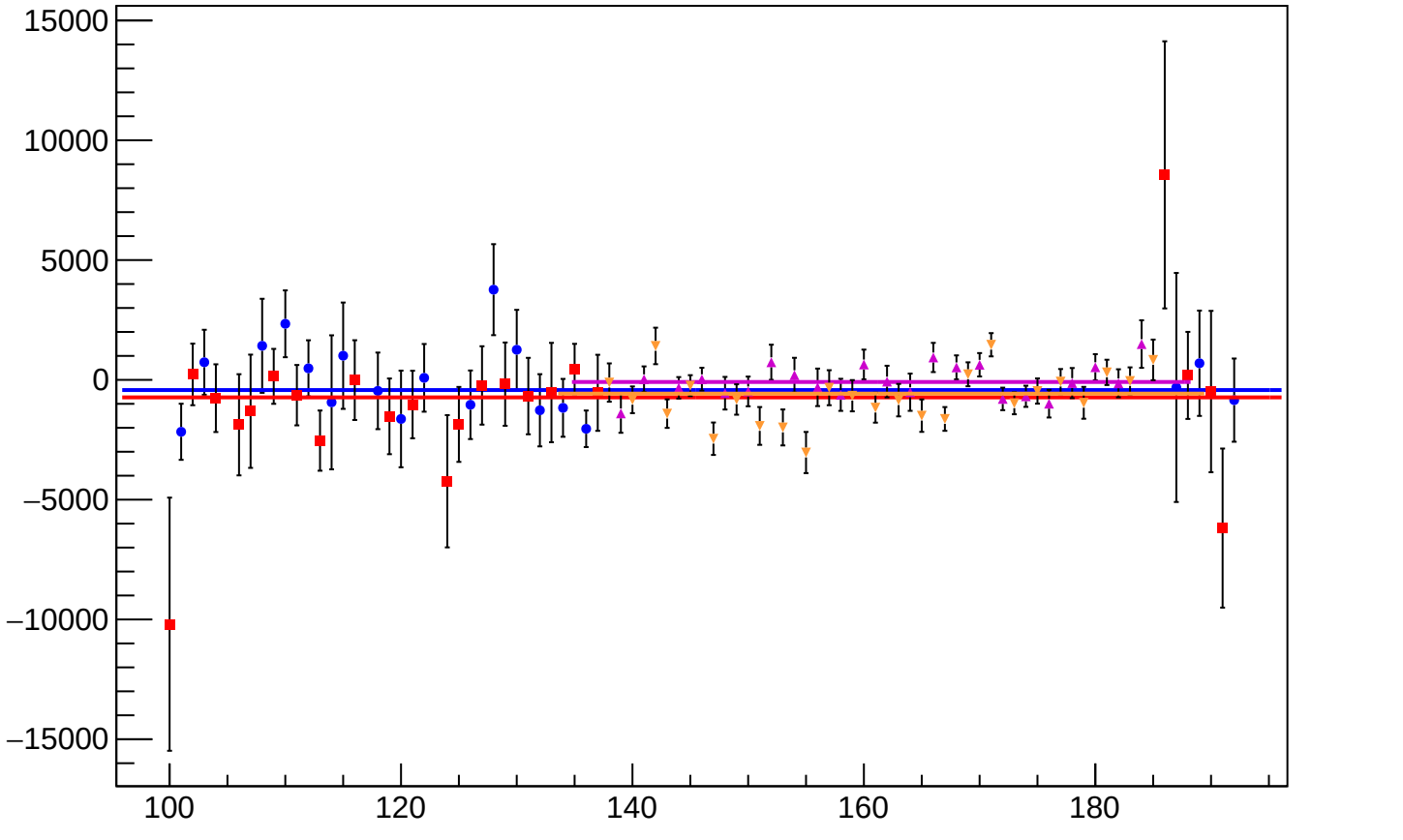
Right Out: 73.521+/-0.018 χ^2/NDF: 2013564.3/22

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.106+/-0.009 χ^2/NDF: 2365858.6/43

All: 64.513+/-0.006 χ^2/NDF: 5274877.7/89

- sign 64.944+/-0.009 χ^2/NDF: 2904590.9/45



Right In: -425.614+/-337.137 χ^2/NDF: 20.9/18

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

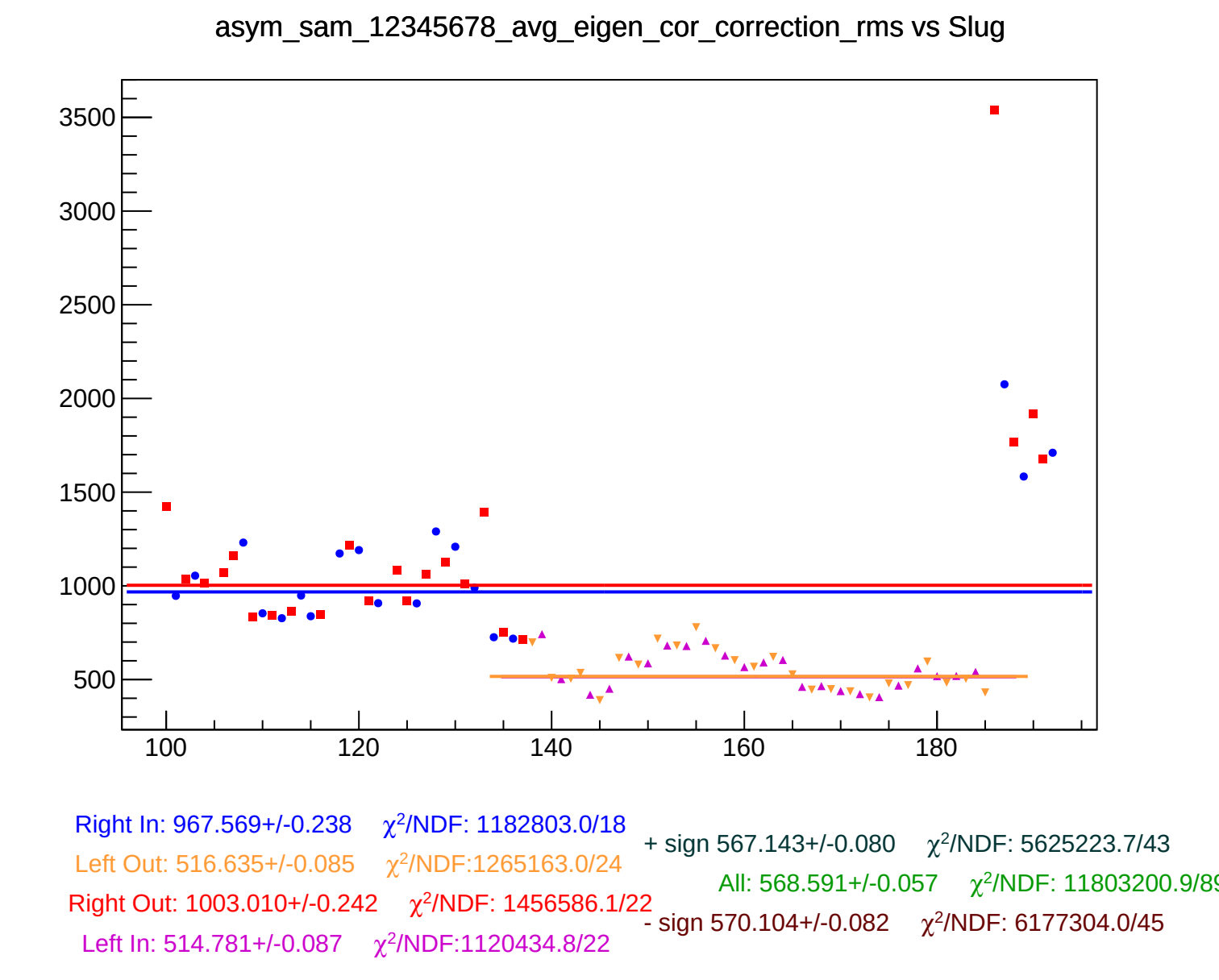
Right Out: -731.468+/-342.654 χ^2/NDF: 16.6/22

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

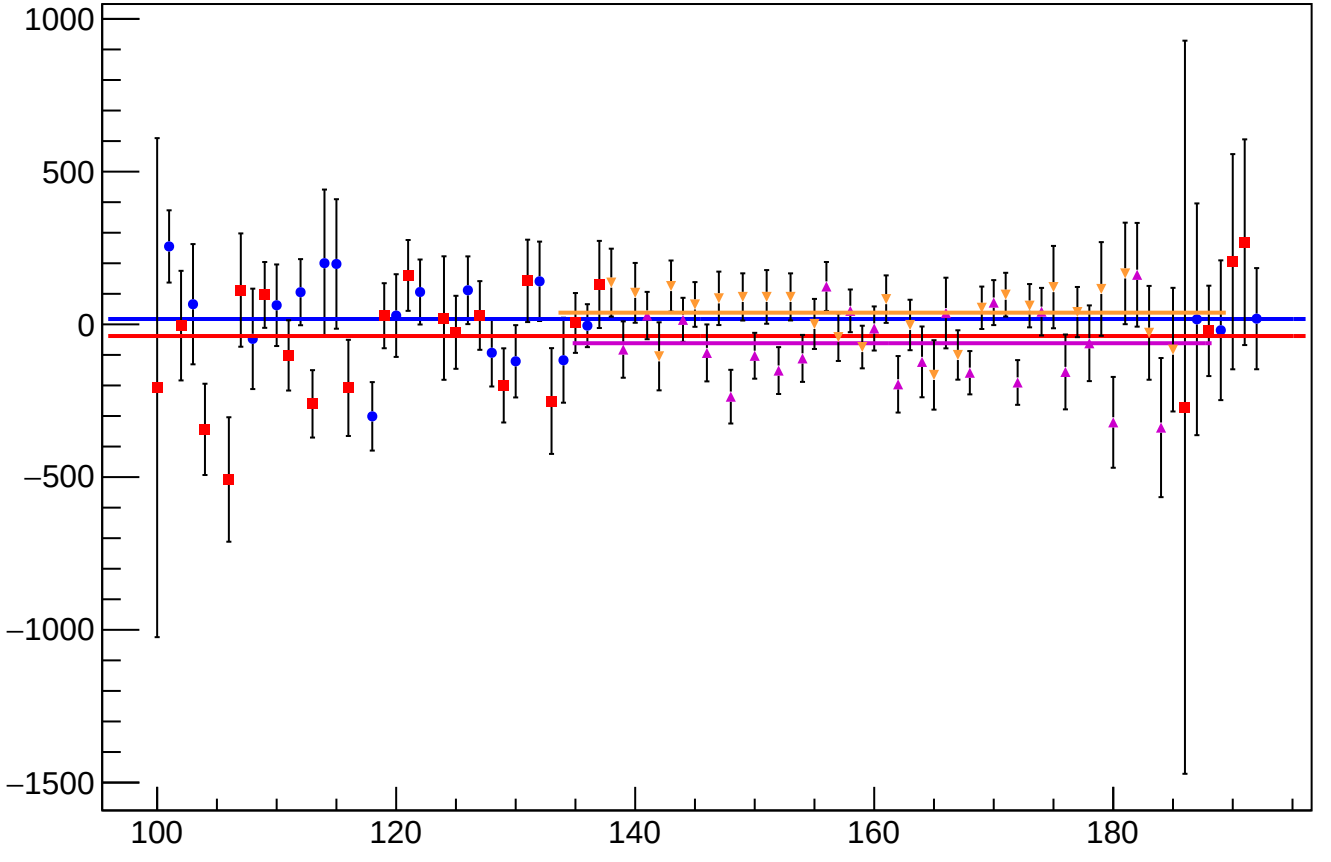
+ sign -558.100+/-112.831 χ^2/NDF: 89.8/43

All: -364.024+/-80.657 χ^2/NDF: 140.2/89

- sign -161.209+/-115.344 χ^2/NDF: 44.3/45


asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 967.569+/-0.238 χ²/NDF: 1182803.0/18
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1003.010+/-0.242 χ²/NDF: 1456586.1/22
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
+ sign 567.143+/-0.080 χ²/NDF: 5625223.7/43
All: 568.591+/-0.057 χ²/NDF: 11803200.9/89
- sign 570.104+/-0.082 χ²/NDF: 6177304.0/45

dit_asym_sam_12345678_avg_mean vs Slug



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

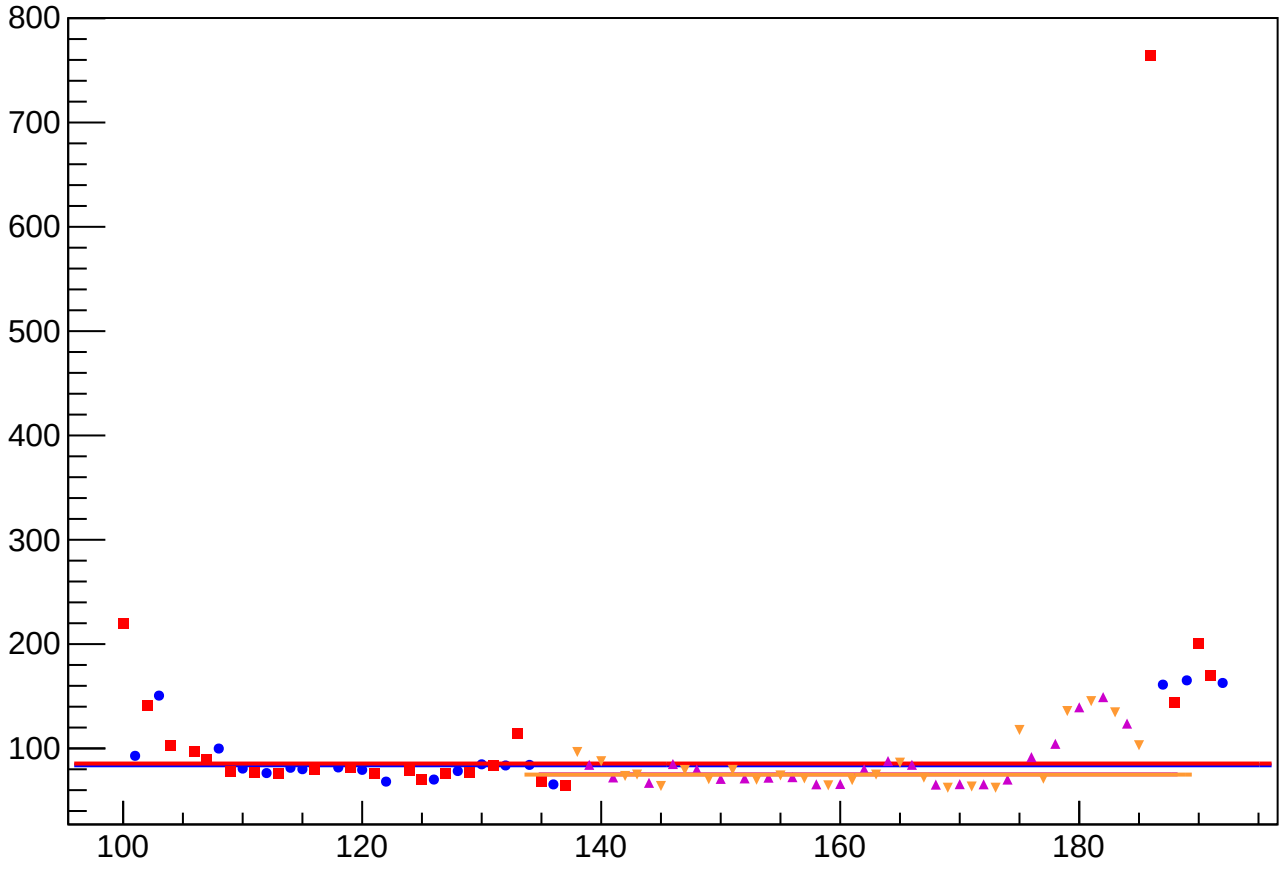
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.812+/-15.160 χ^2/NDF: 39.3/43

All: -10.195+/-10.848 χ^2/NDF: 122.1/89

- sign -55.338+/-15.531 χ^2/NDF: 66.3/45

dit_asym_sam_12345678_avg_rms vs Slug



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

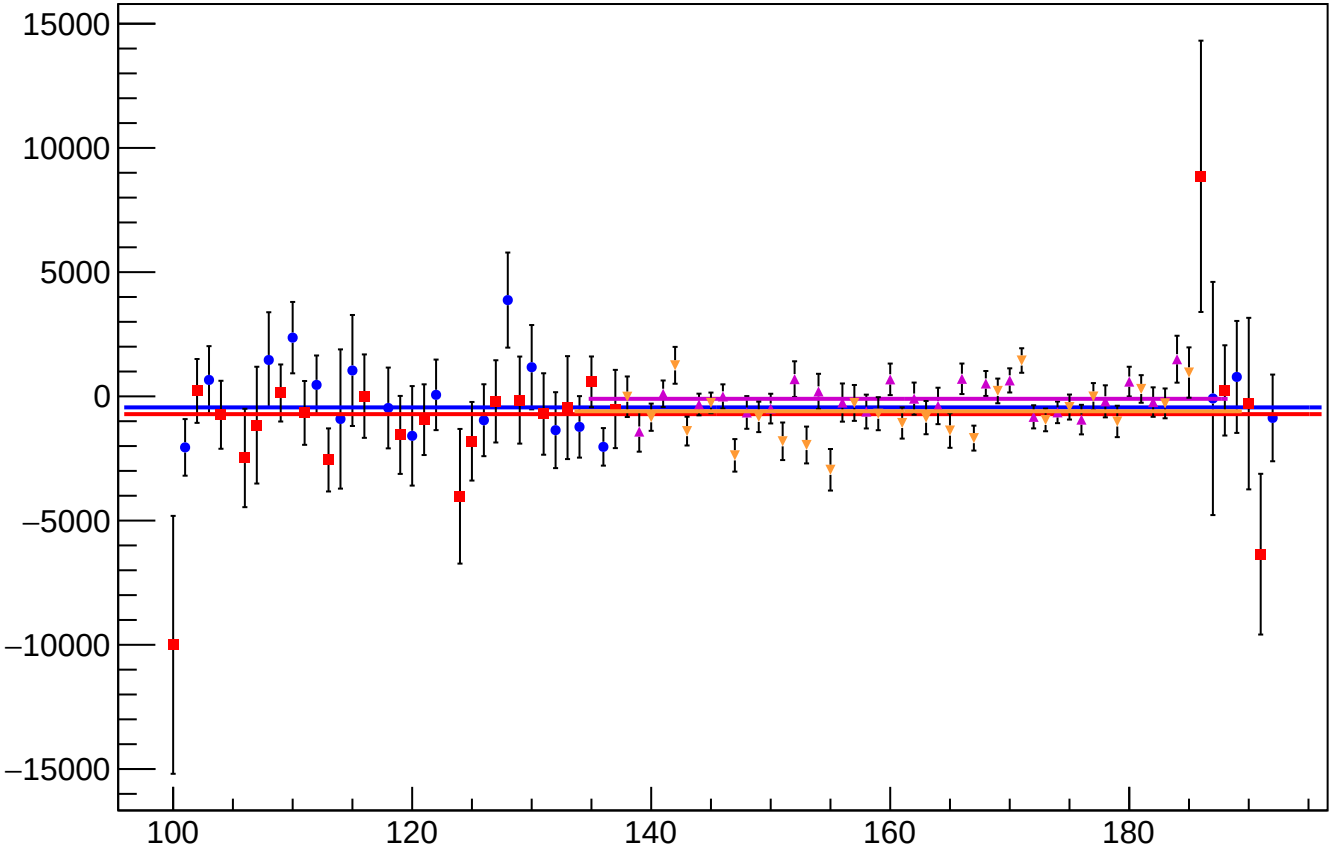
Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 77.262+/-0.011 χ^2/NDF: 3077584.4/43

All: 77.603+/-0.008 χ^2/NDF: 6417865.5/89

- sign 77.961+/-0.011 χ^2/NDF: 3338207.1/45

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -443.597+/-338.438 χ^2/NDF: 20.6/18

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: -715.374+/-341.781 χ^2/NDF: 17.9/22

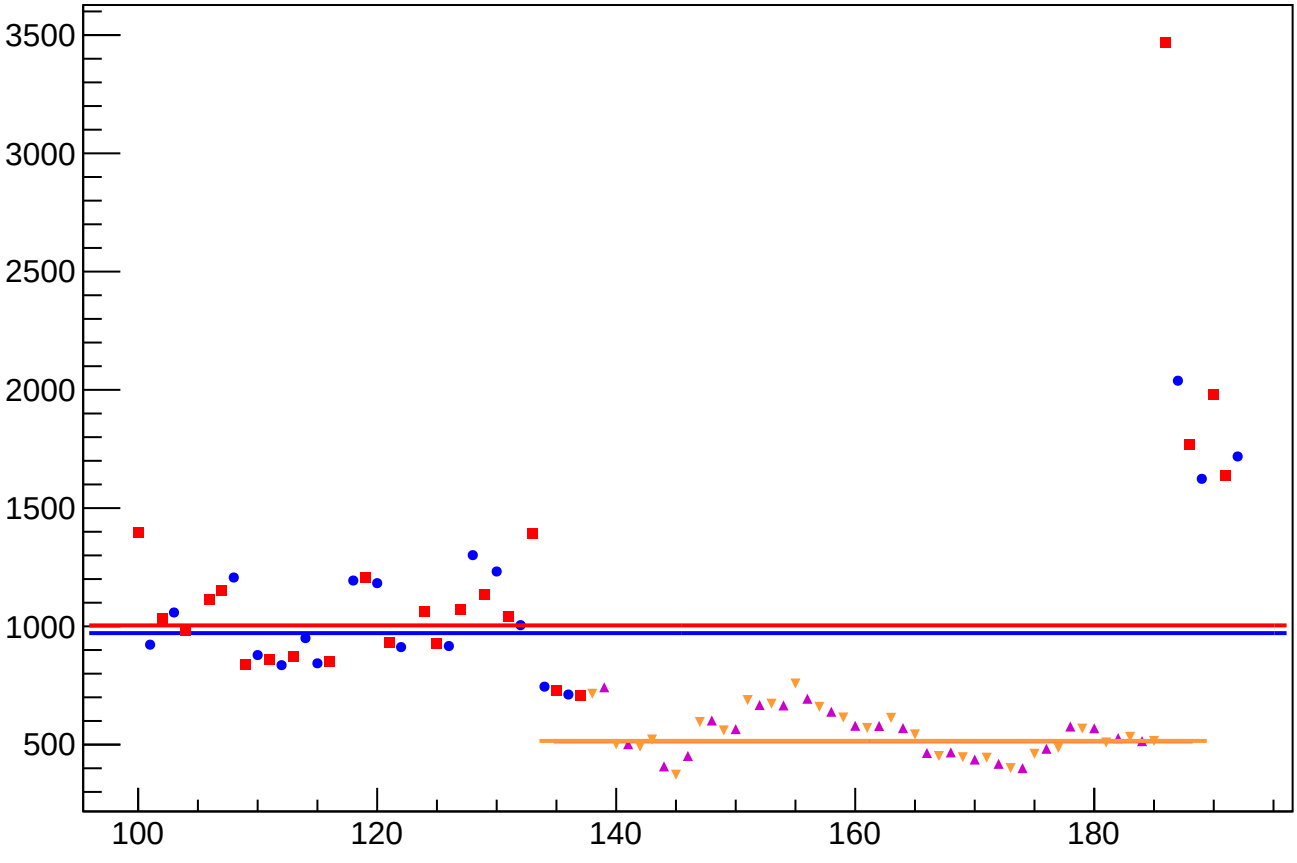
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -581.664+/-112.534 χ^2/NDF: 85.9/43

All: -380.120+/-80.486 χ^2/NDF: 136.9/89

- sign -169.065+/-115.159 χ^2/NDF: 44.5/45

asym_sam_12345678_avg_dit_correction_rms vs Slug



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

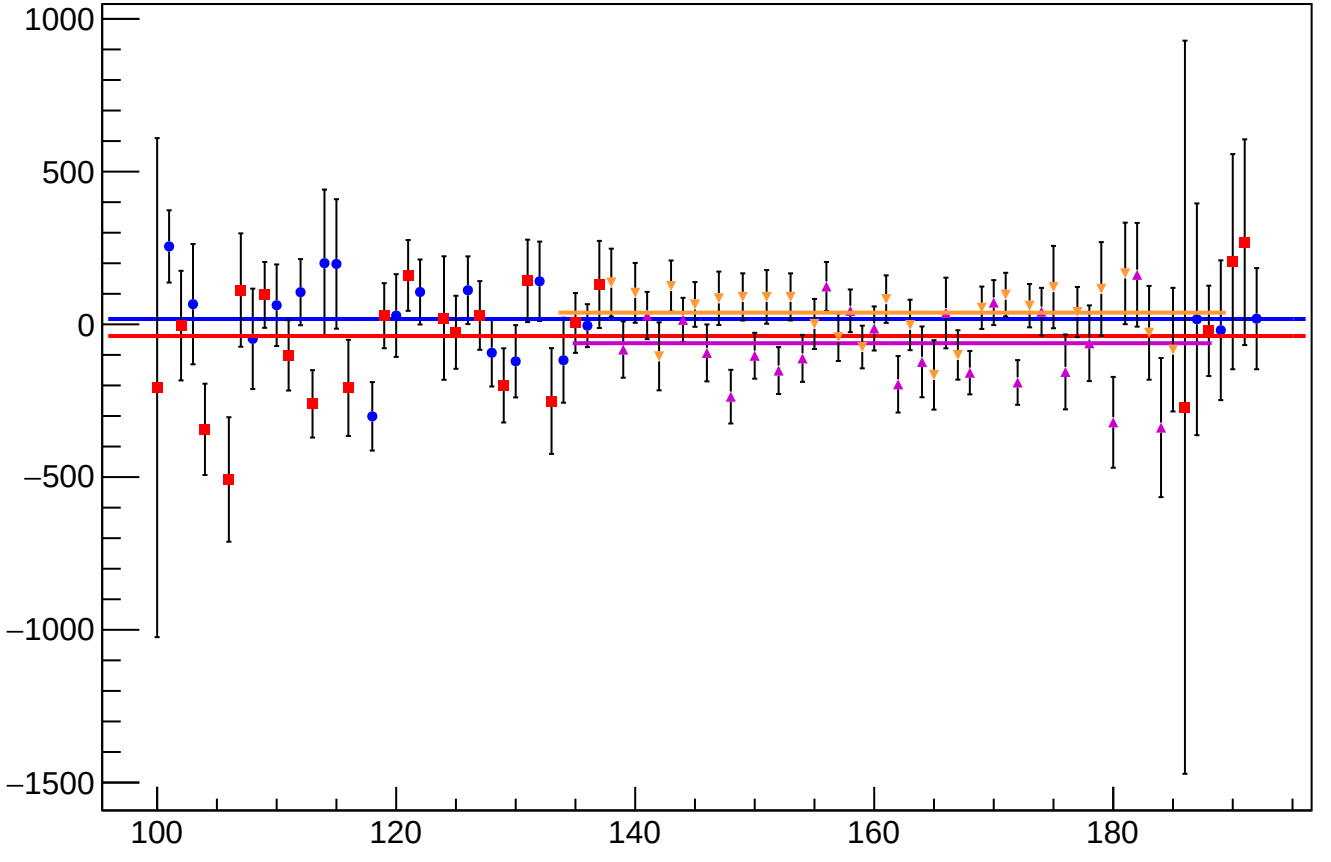
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 566.137+/-0.080 χ^2/NDF: 5653319.2/43

All: 567.885+/-0.057 χ^2/NDF: 11892159.3/89

- sign 569.716+/-0.081 χ^2/NDF: 6237851.9/45

eigen_dit_asym_sam_12345678_avg_mean vs Slug



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

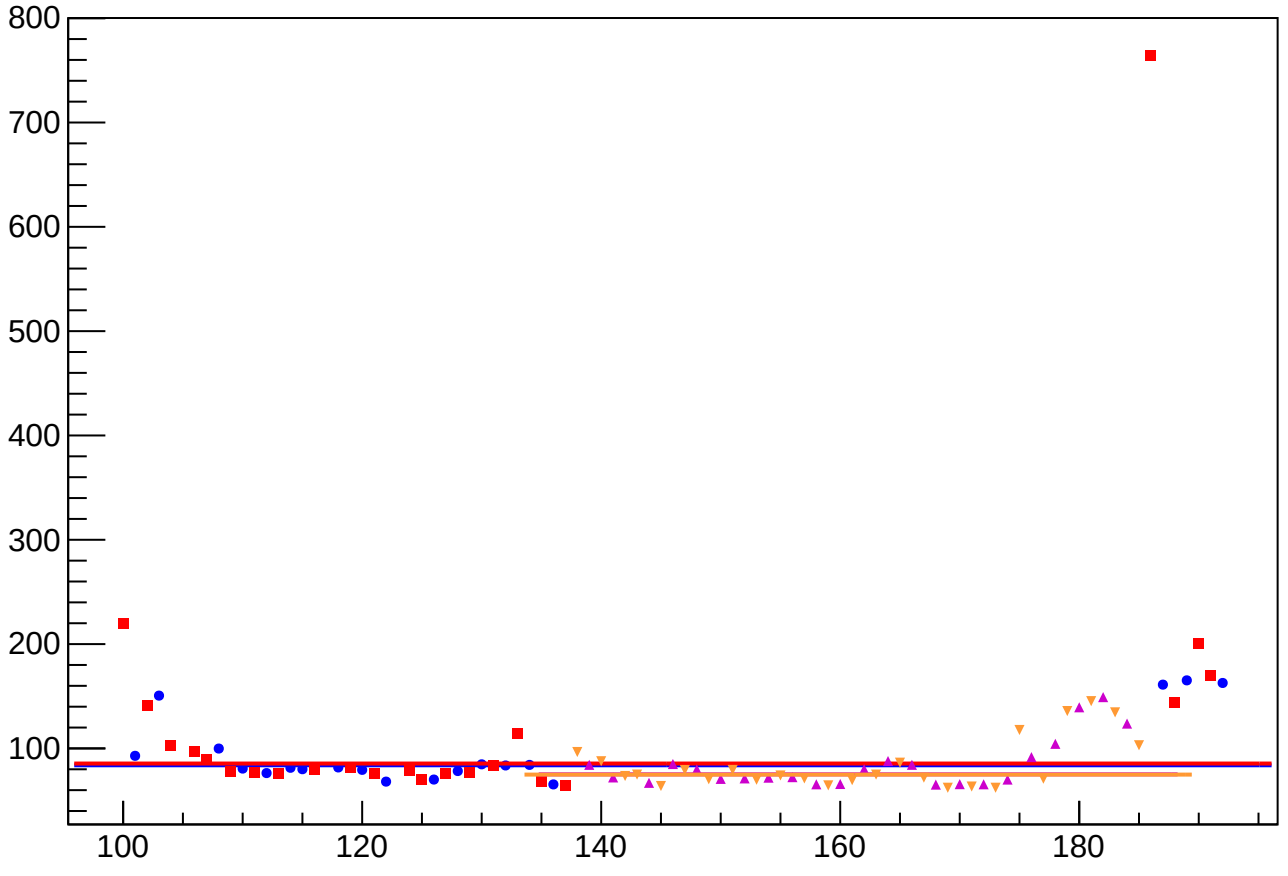
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.812+/-15.160 χ^2/NDF: 39.3/43

All: -10.195+/-10.848 χ^2/NDF: 122.1/89

- sign -55.337+/-15.531 χ^2/NDF: 66.3/45

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 83.840+/-0.021 χ^2/NDF: 1280974.7/18

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

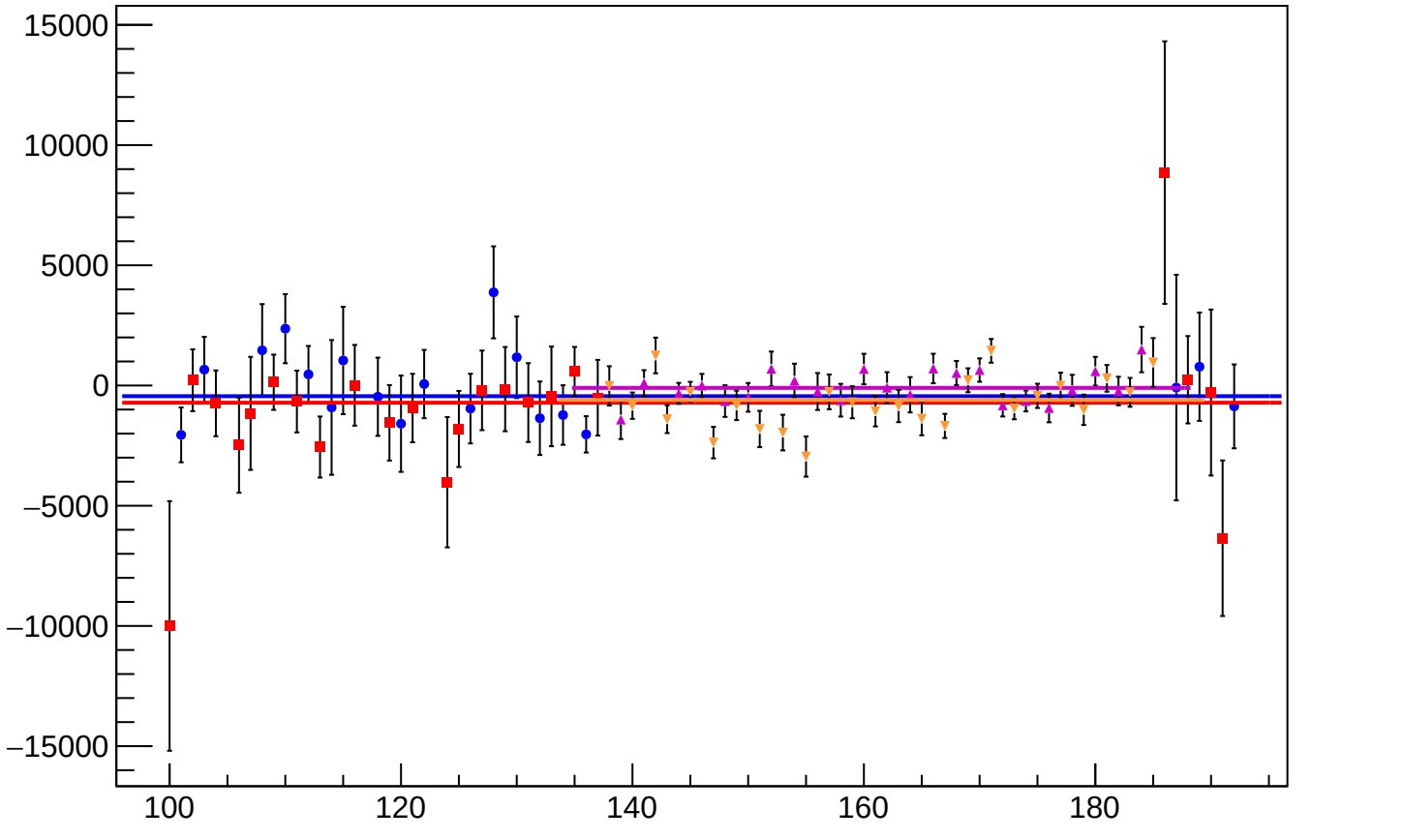
Right Out: 85.503+/-0.021 χ^2/NDF: 1850277.6/22

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

\+ sign 77.262+/-0.011 χ^2/NDF: 3077569.8/43

All: 77.603+/-0.008 χ^2/NDF: 6417837.3/89

\- sign 77.961+/-0.011 χ^2/NDF: 3338193.3/45



Right In: -443.594+/-338.438 χ^2/NDF: 20.6/18

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

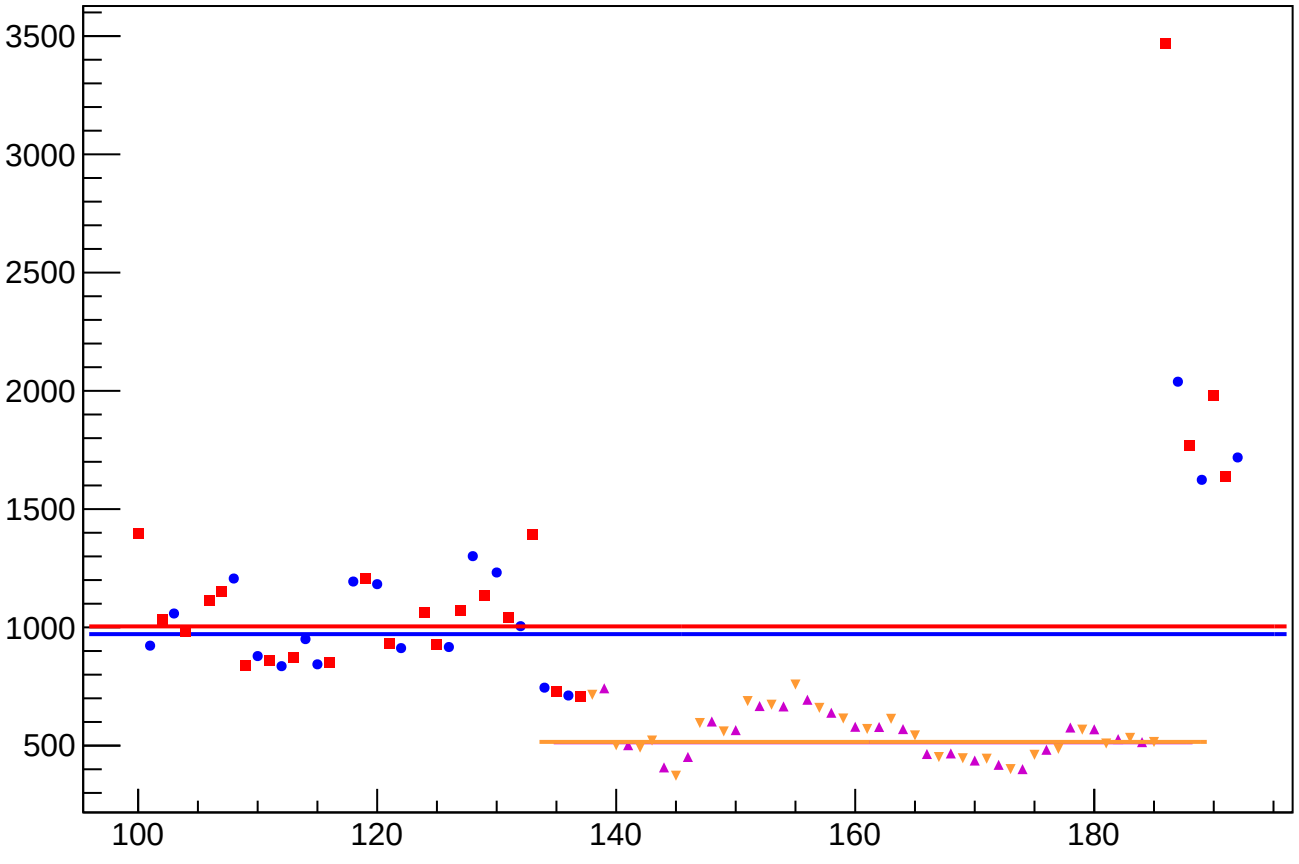
Right Out: -715.373+/-341.780 χ^2/NDF: 17.9/22

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -581.663+/-112.534 χ^2/NDF: 85.9/43

All: -380.119+/-80.485 χ^2/NDF: 136.9/89

- sign -169.065+/-115.158 χ^2/NDF: 44.5/45



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

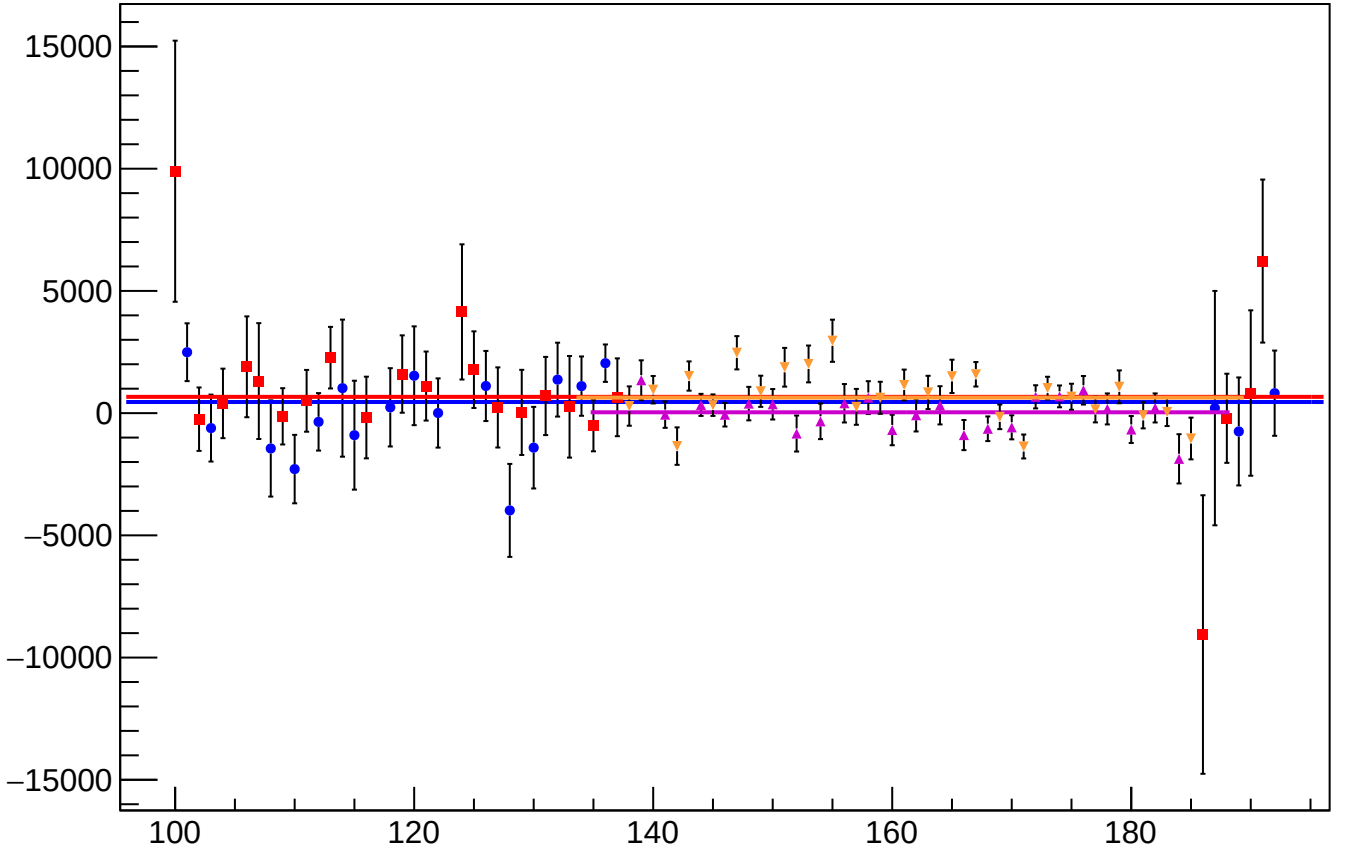
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 566.136+/-0.080 χ^2/NDF: 5653320.0/43

All: 567.884+/-0.057 χ^2/NDF: 11892155.4/89

- sign 569.715+/-0.081 χ^2/NDF: 6237847.2/45

asym_sam_12345678_avg_mean vs Slug



Right In: 454.981+/-338.583 χ^2/NDF: 21.8/18

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

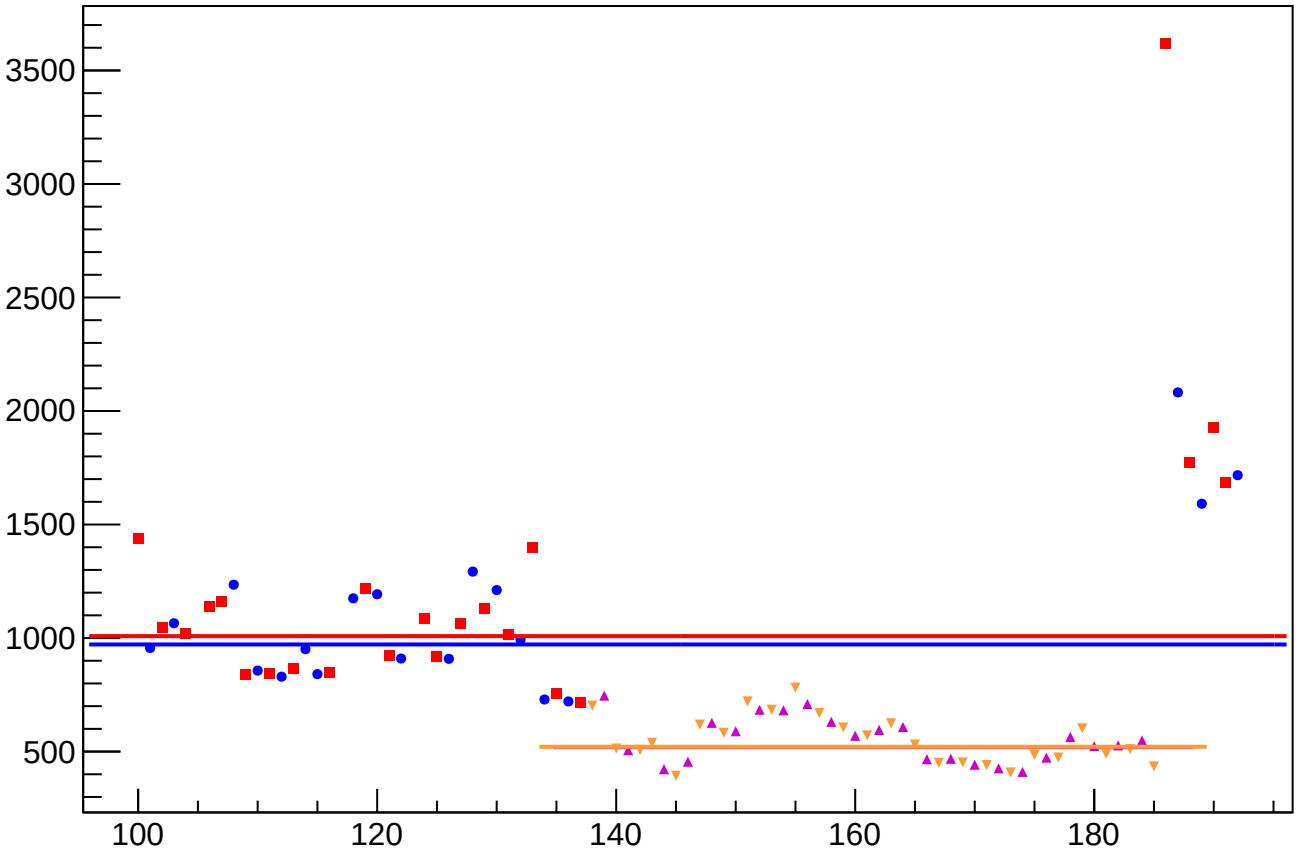
Right Out: 666.217+/-343.691 χ^2/NDF: 16.2/22

Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

\+ sign 614.505+/-113.706 χ^2/NDF: 86.6/43

All: 366.357+/-81.283 χ^2/NDF: 140.6/89

\- sign 107.031+/-116.239 χ^2/NDF: 44.3/45



Right In: 971.748+/-0.239 χ^2/NDF: 1182337.5/18

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

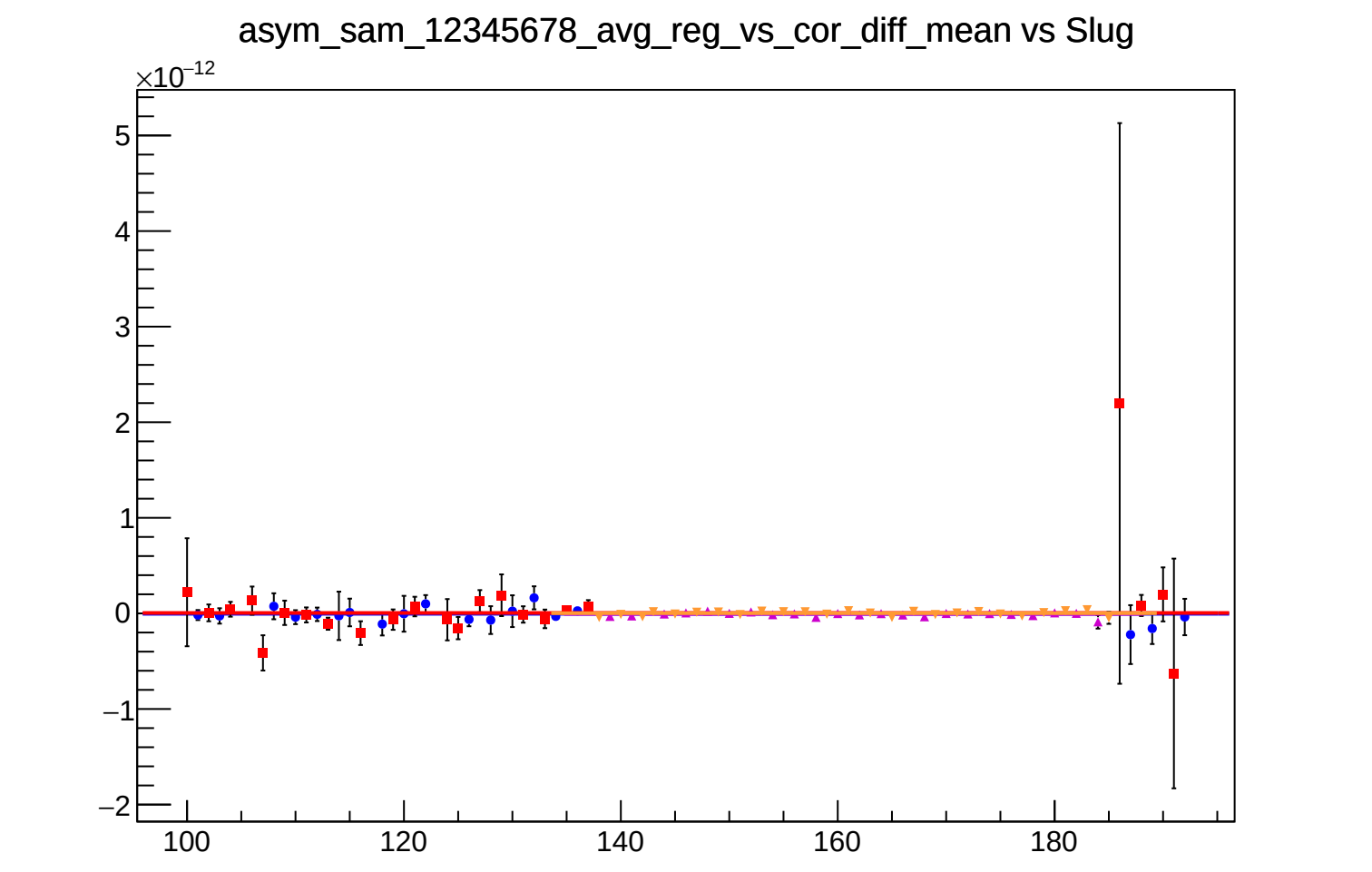
Right Out: 1008.552+/-0.243 χ^2/NDF: 1470477.9/22

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 571.858+/-0.080 χ^2/NDF: 5569834.1/43

All: 573.497+/-0.057 χ^2/NDF: 11731861.5/89

- sign 575.209+/-0.082 χ^2/NDF: 6161178.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

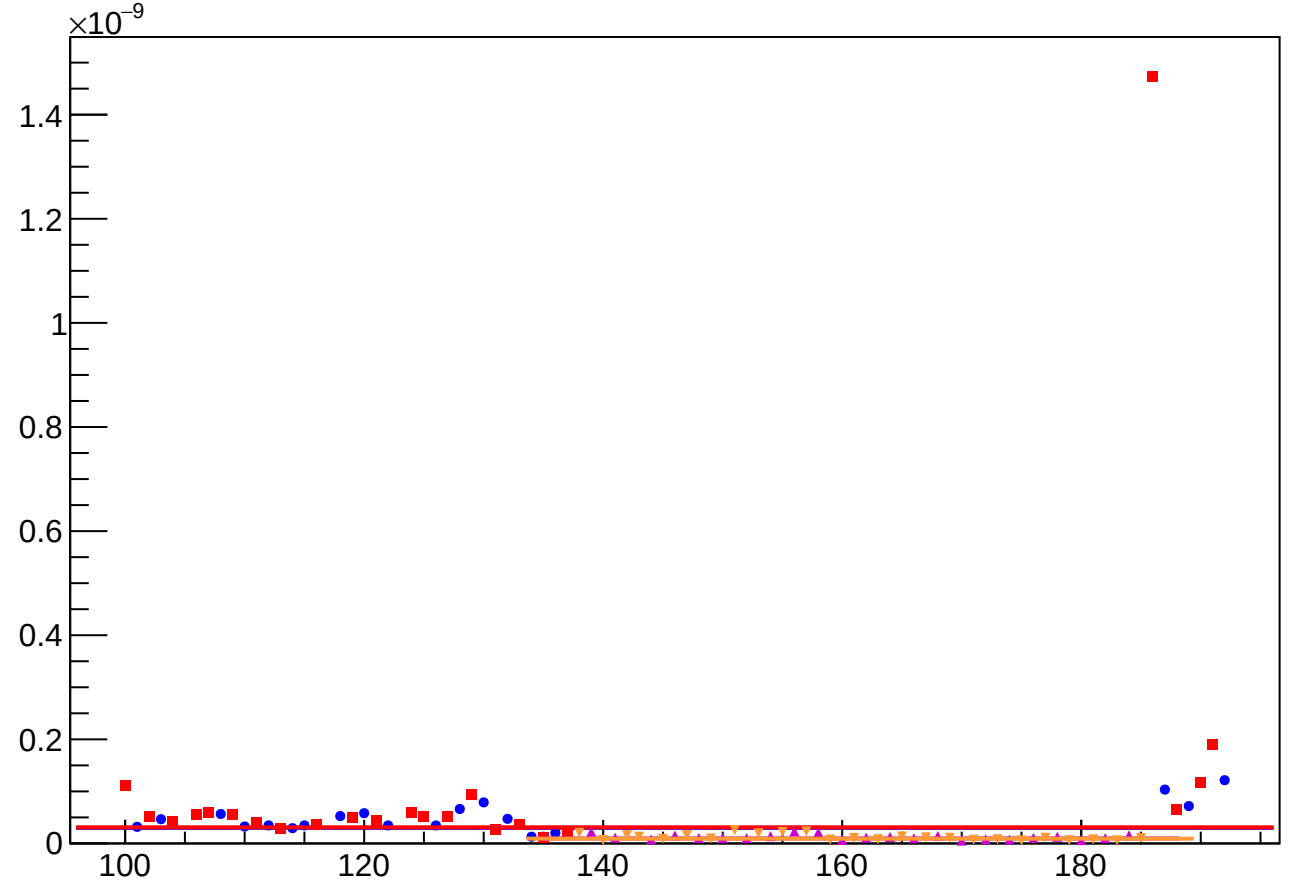
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/22

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.0/43

All: -0.000+/-0.000 χ^2/NDF: 64.8/89

- sign -0.000+/-0.000 χ^2/NDF: 32.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 1875496.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

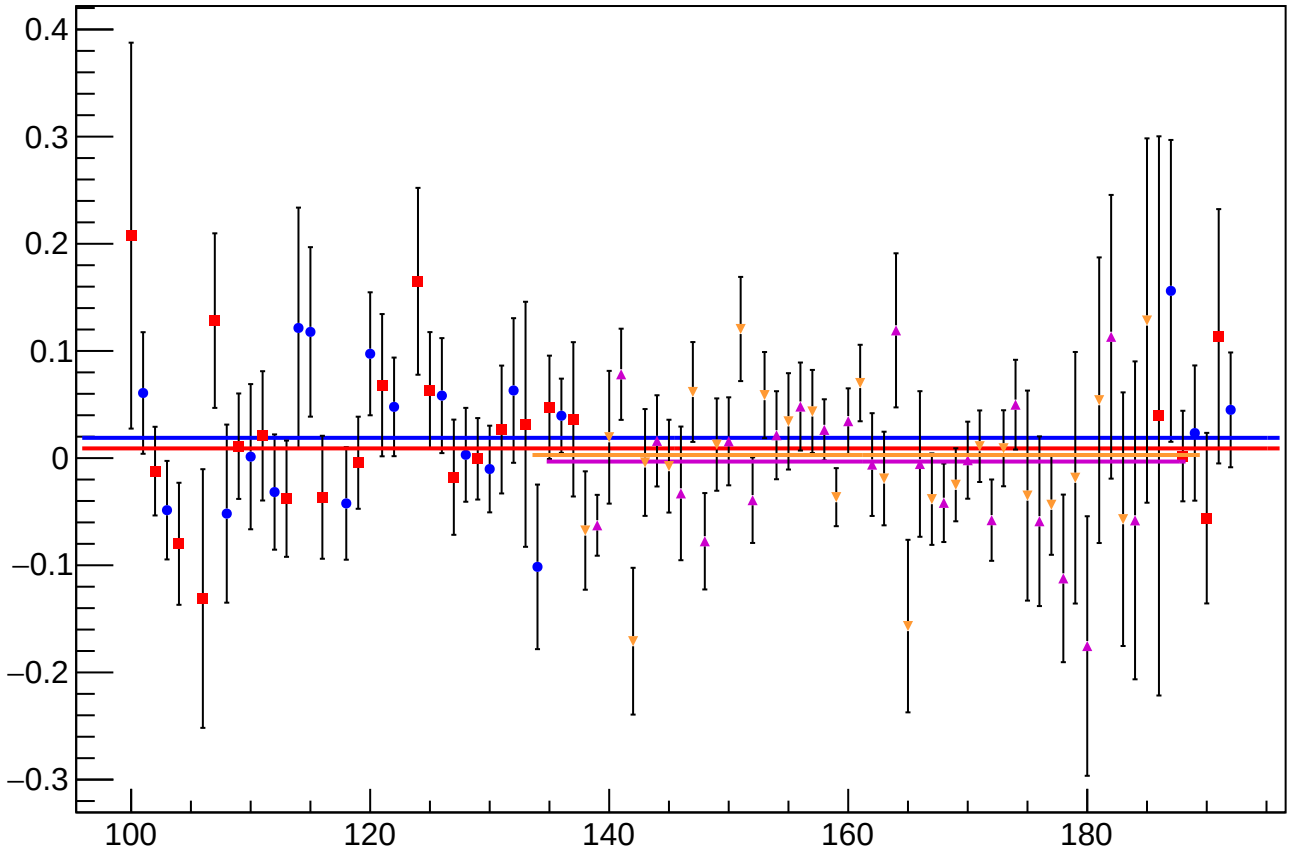
Right Out: 0.000+/-0.000 χ^2/NDF: 2567544.6/22

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6710532.2/43

All: 0.000+/-0.000 χ^2/NDF: 13325181.8/89

- sign 0.000+/-0.000 χ^2/NDF: 6606092.5/45



Right In: 0.019+/-0.013 χ^2/NDF: 16.0/18

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

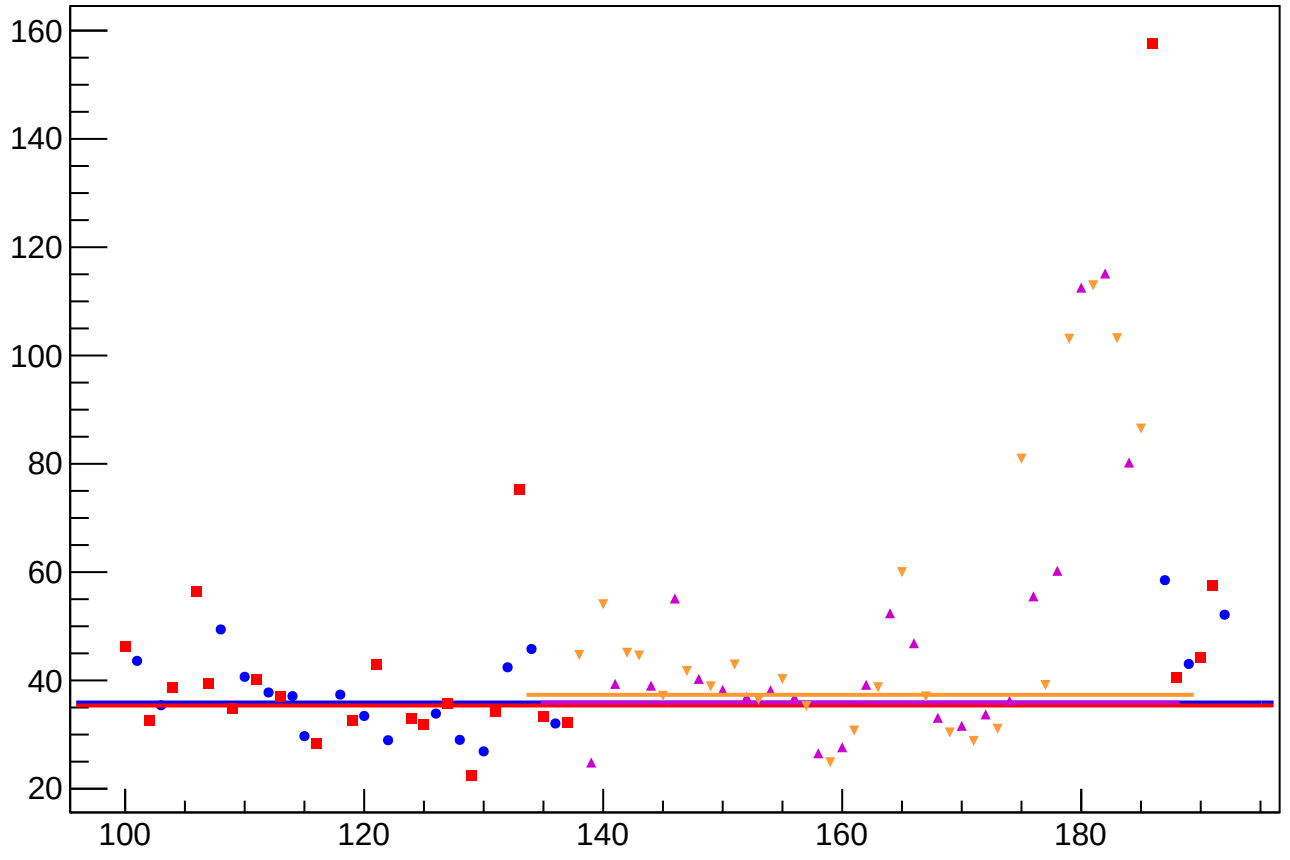
Right Out: 0.009+/-0.012 χ^2/NDF: 16.6/22

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.9/43

All: 0.005+/-0.005 χ^2/NDF: 97.5/89

- sign 0.001+/-0.007 χ^2/NDF: 47.1/45



Right In: 35.921+/-0.009 χ^2/NDF: 654468.7/18

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

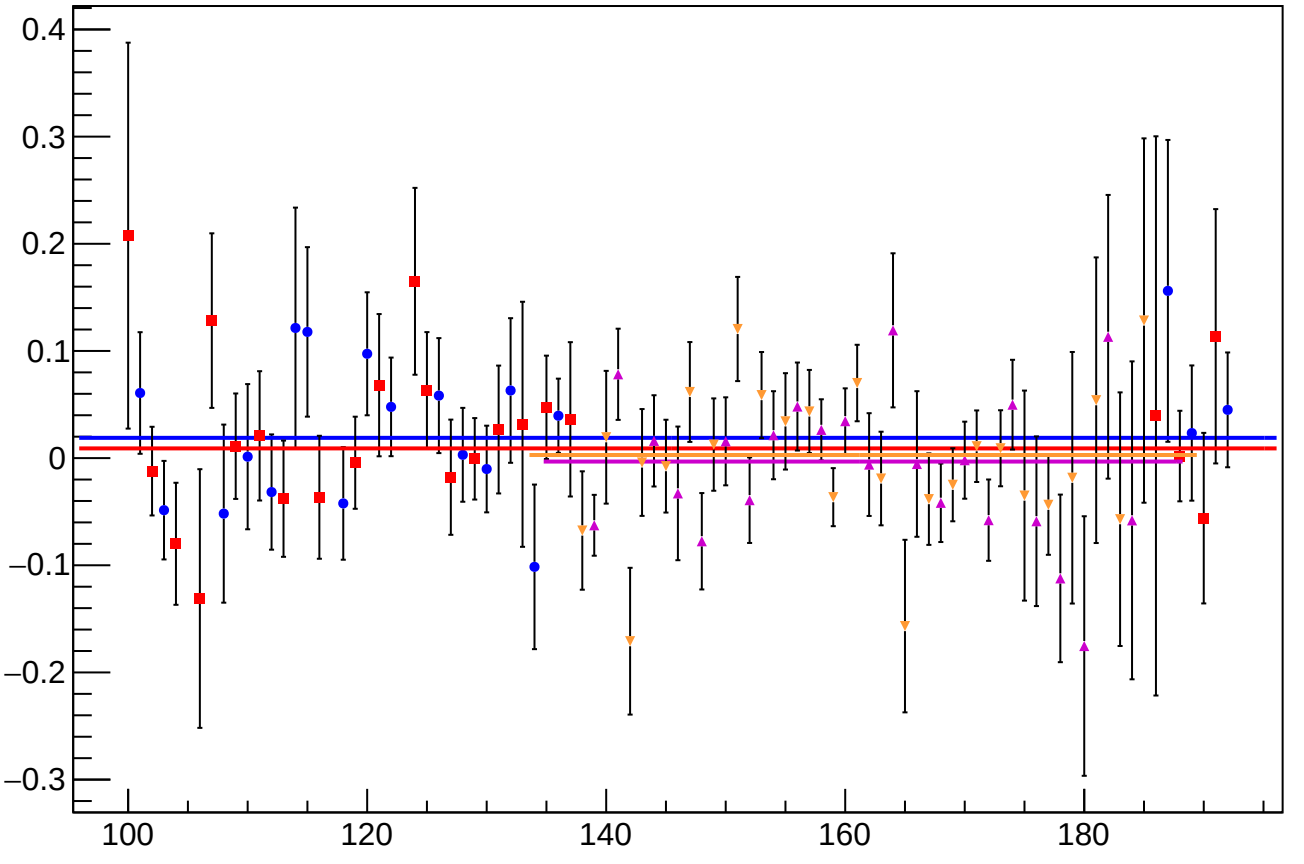
Right Out: 35.374+/-0.009 χ^2/NDF: 1224919.3/22

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.849+/-0.005 χ^2/NDF: 4367544.4/43

All: 36.271+/-0.004 χ^2/NDF: 8756577.3/89

- sign 35.711+/-0.005 χ^2/NDF: 4365511.6/45



Right In: 0.019+/-0.013 χ^2/NDF: 16.0/18

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

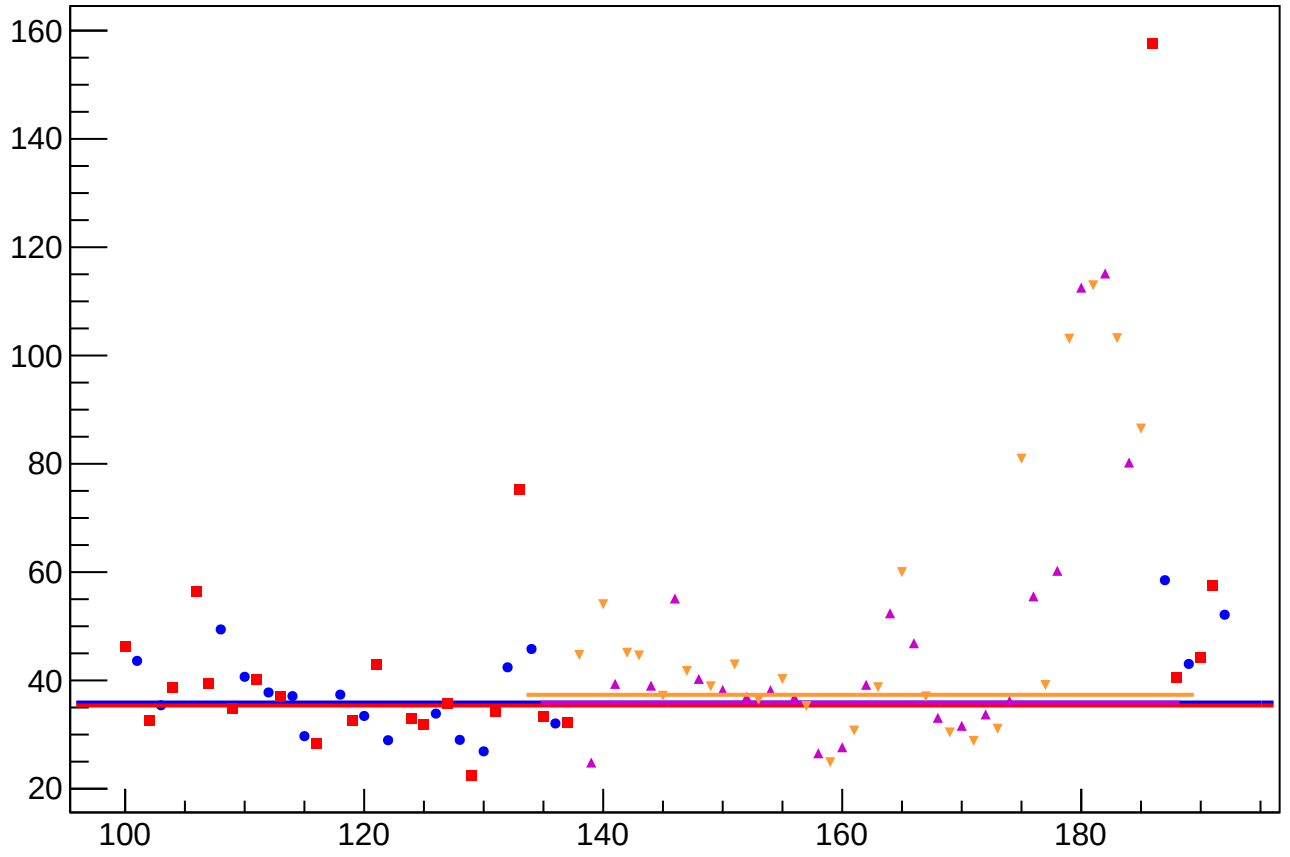
Right Out: 0.009+/-0.012 χ^2/NDF: 16.6/22

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.9/43

All: 0.005+/-0.005 χ^2/NDF: 97.5/89

- sign 0.001+/-0.007 χ^2/NDF: 47.1/45



Right In: 35.921+/-0.009 χ^2/NDF: 654468.7/18

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

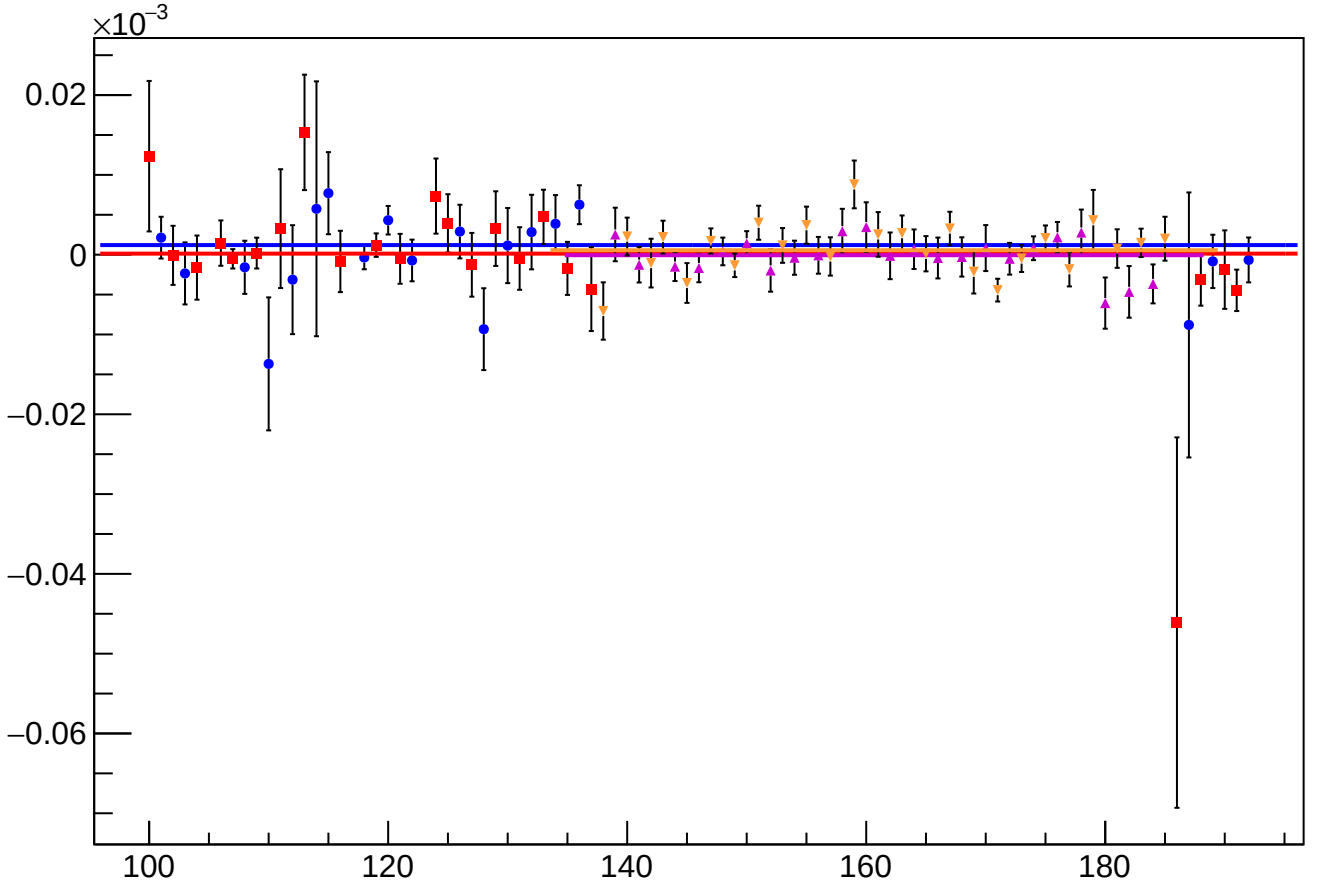
Right Out: 35.374+/-0.009 χ^2/NDF: 1224919.3/22

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.849+/-0.005 χ^2/NDF: 4367544.4/43

All: 36.271+/-0.004 χ^2/NDF: 8756577.3/89

- sign 35.711+/-0.005 χ^2/NDF: 4365511.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

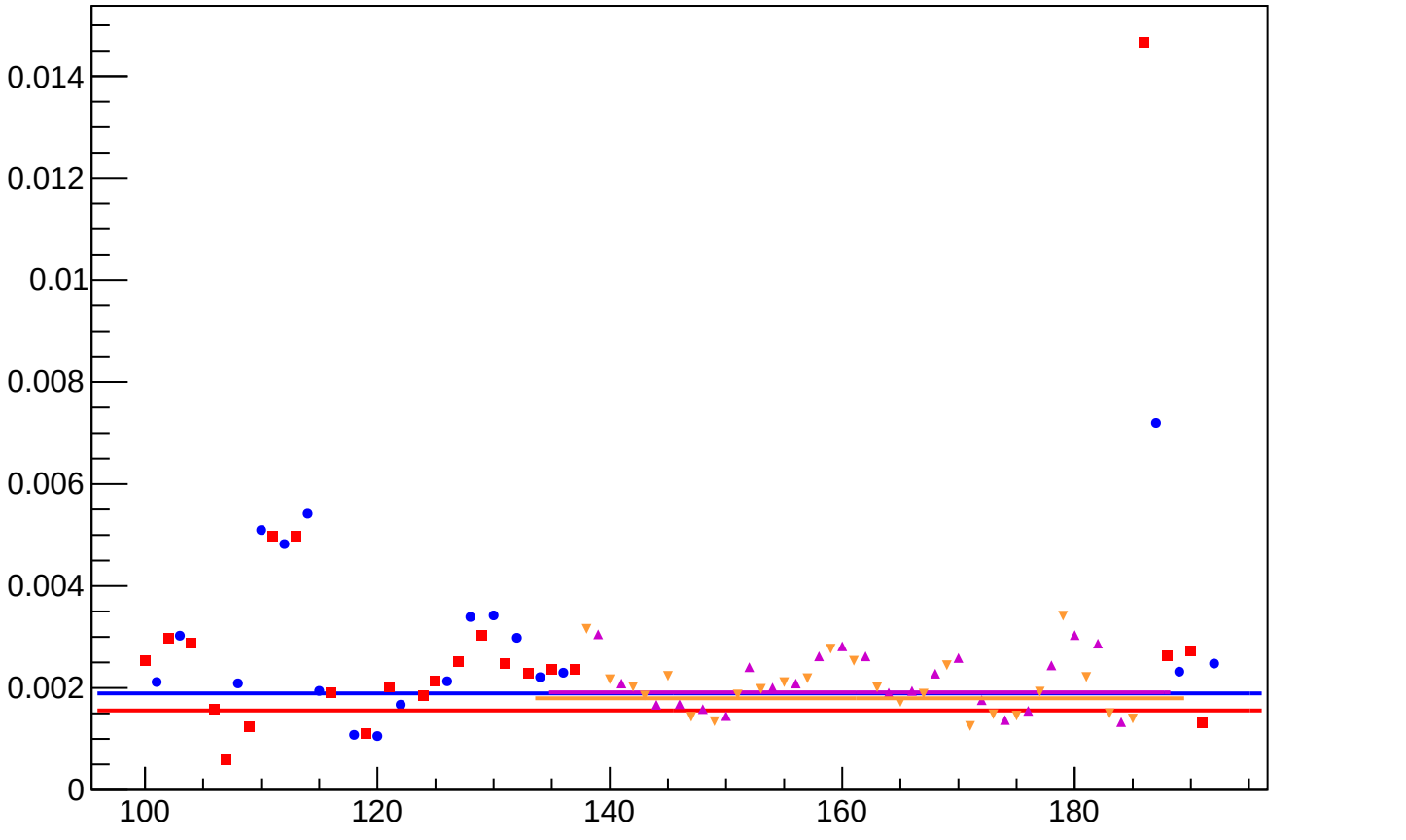
Right Out: 0.000+/-0.000 χ^2/NDF: 22.8/22

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.4/43

All: 0.000+/-0.000 χ^2/NDF: 108.2/89

- sign 0.000+/-0.000 χ^2/NDF: 39.8/45



Right In: 0.002+/-0.000 χ^2/NDF: 2913072.7/18

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

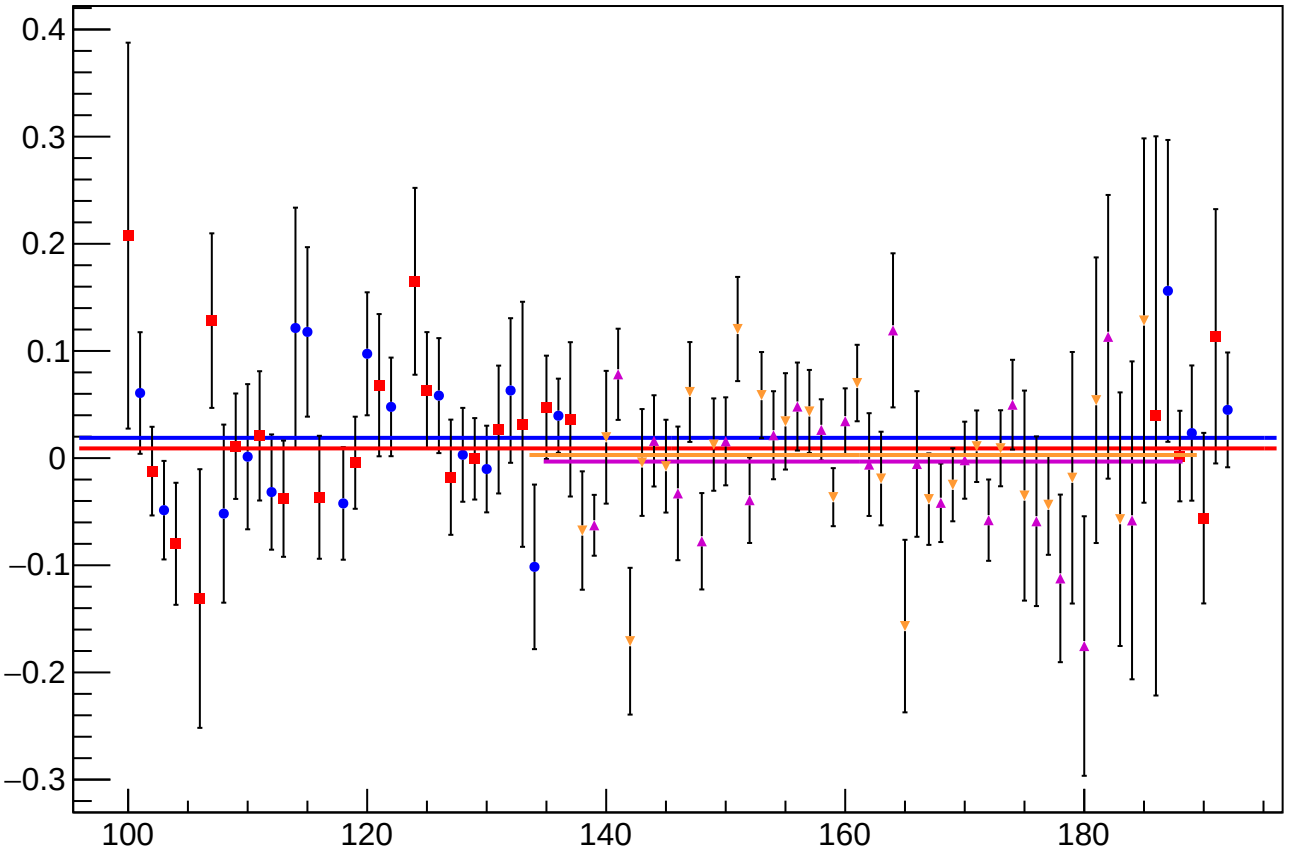
Right Out: 0.002+/-0.000 χ^2/NDF: 4692433.0/22

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.002+/-0.000 χ^2/NDF: 5219564.7/43

All: 0.002+/-0.000 χ^2/NDF: 12525645.9/89

- sign 0.002+/-0.000 χ^2/NDF: 7294783.3/45



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

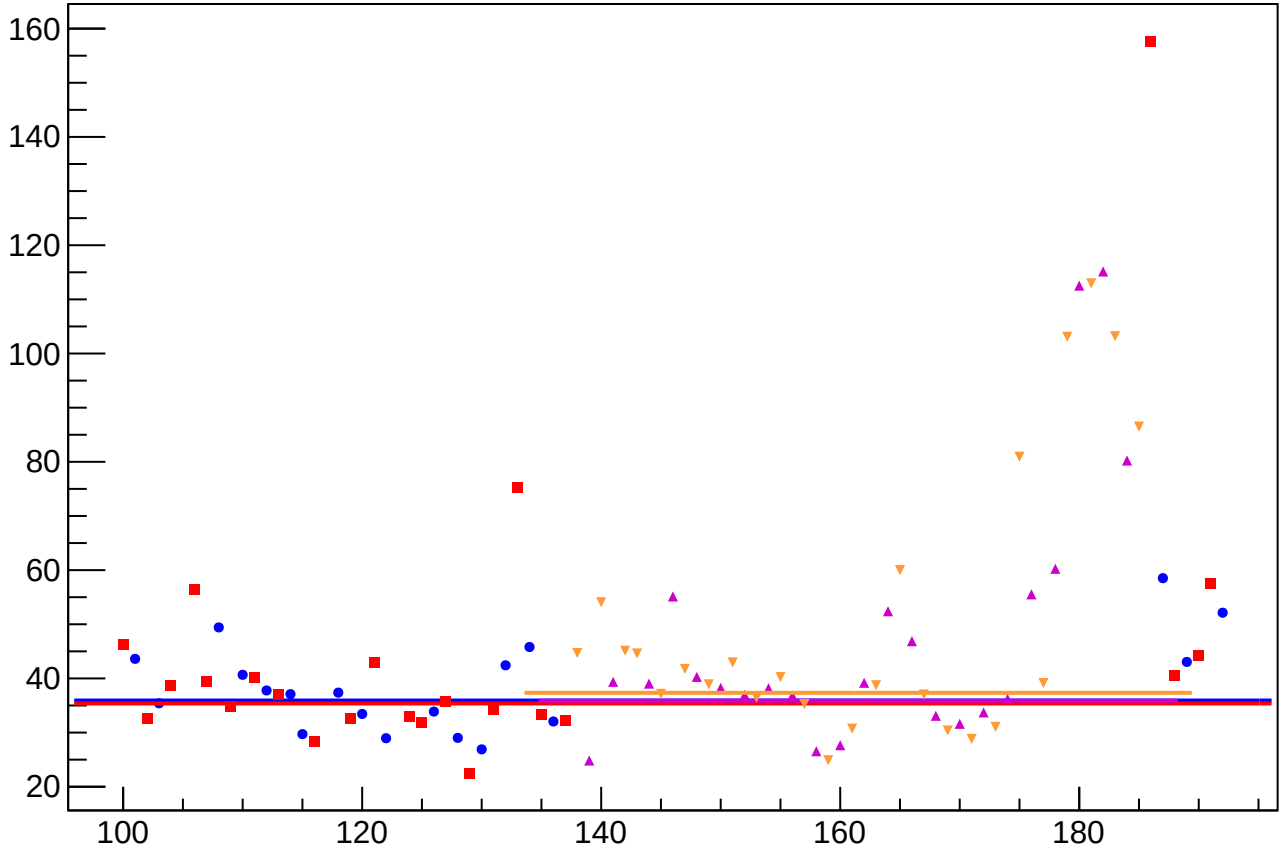
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.9/43

All: 0.005+/-0.005 χ^2/NDF: 97.5/89

- sign 0.001+/-0.007 χ^2/NDF: 47.1/45

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.920+/-0.009 χ^2/NDF: 654545.3/18

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

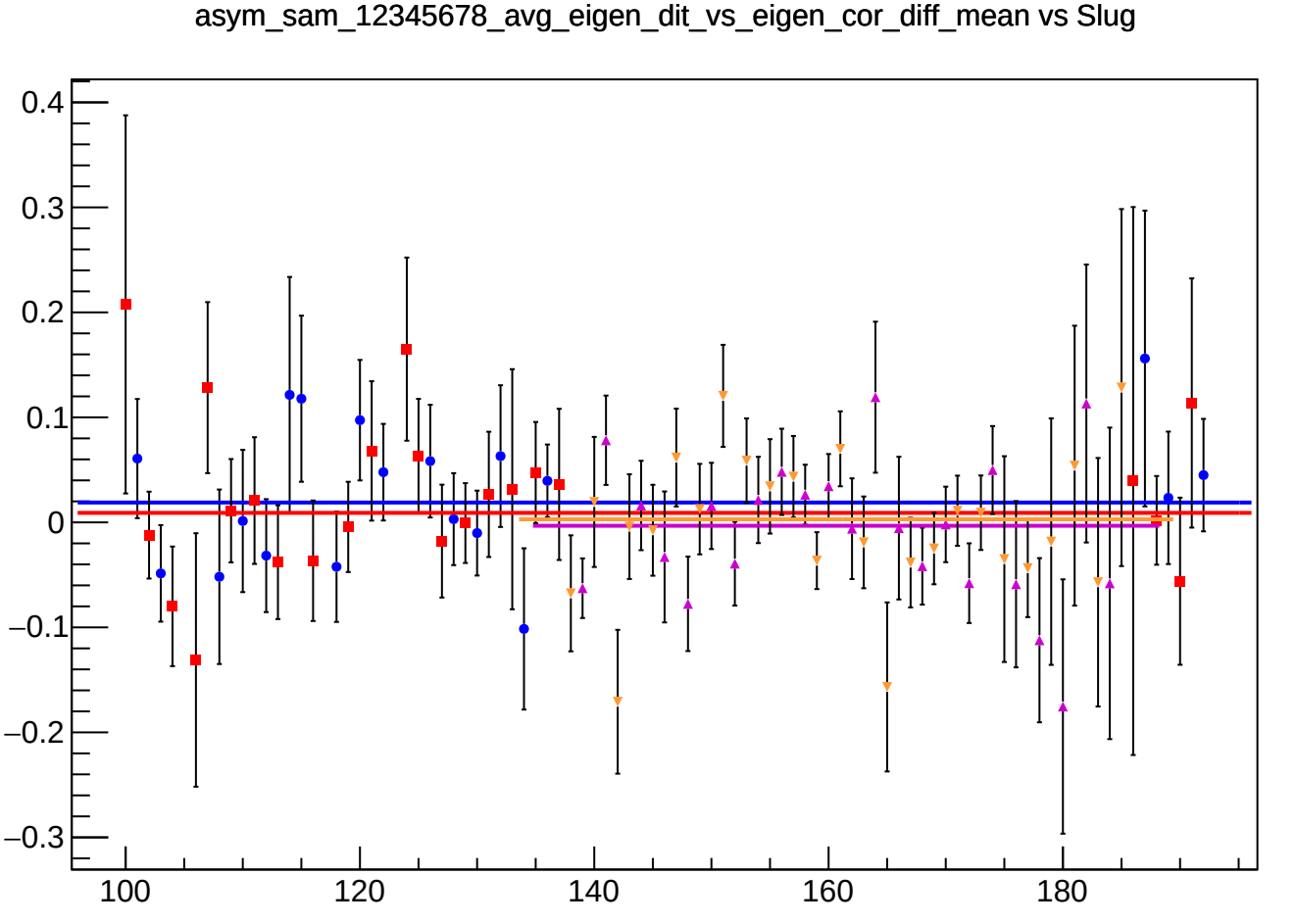
Right Out: 35.374+/-0.009 χ^2/NDF: 1225002.1/22

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

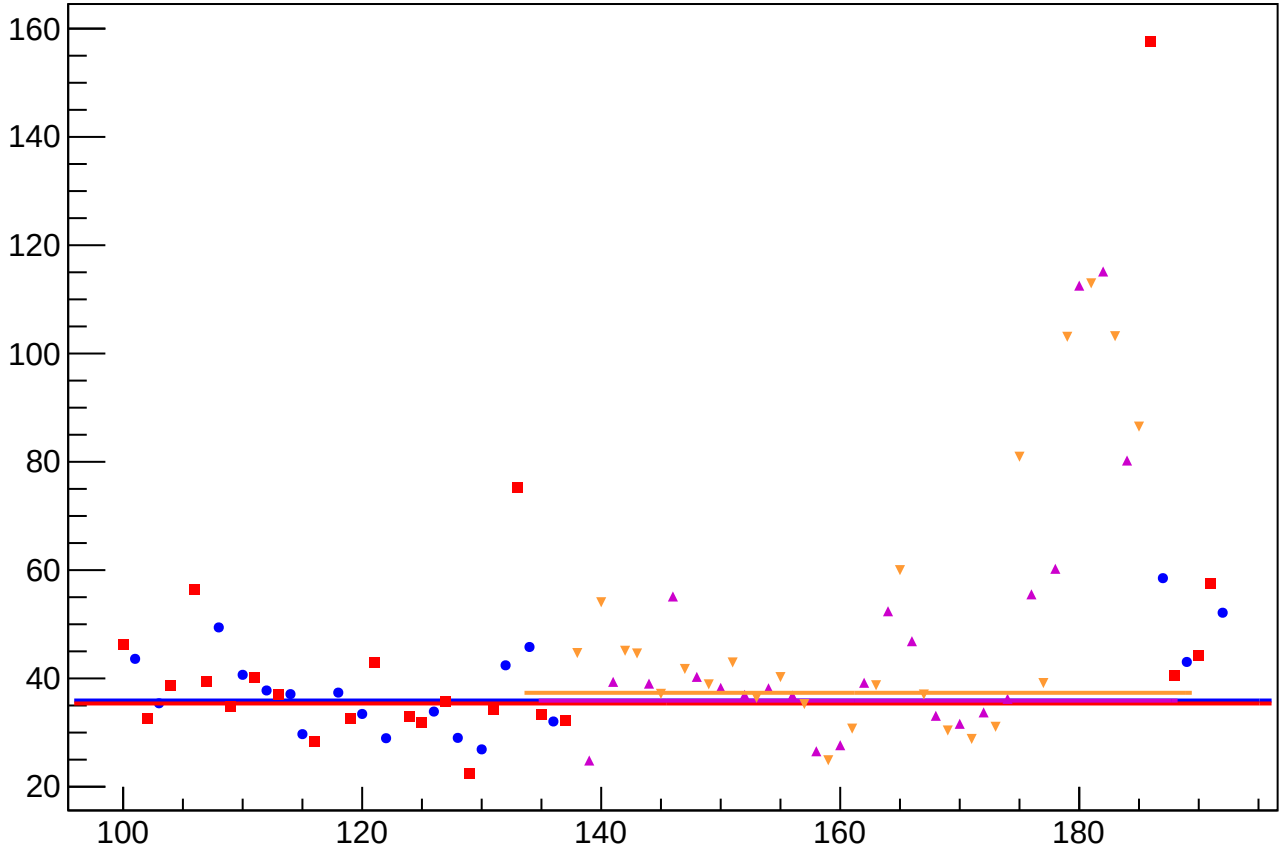
+ sign 36.849+/-0.005 χ^2/NDF: 4367694.0/43

All: 36.271+/-0.004 χ^2/NDF: 8756823.6/89

- sign 35.711+/-0.005 χ^2/NDF: 4365616.5/45


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
Right In: 0.019+/-0.013 χ²/NDF: 16.0/18
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: 0.009+/-0.012 χ²/NDF: 16.6/22
Left In: -0.003+/-0.009 χ²/NDF:29.8/22
+ sign 0.008+/-0.007 χ²/NDF: 49.9/43
All: 0.005+/-0.005 χ²/NDF: 97.5/89
- sign 0.001+/-0.007 χ²/NDF: 47.1/45

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.920+/-0.009 χ^2/NDF: 654545.3/18

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

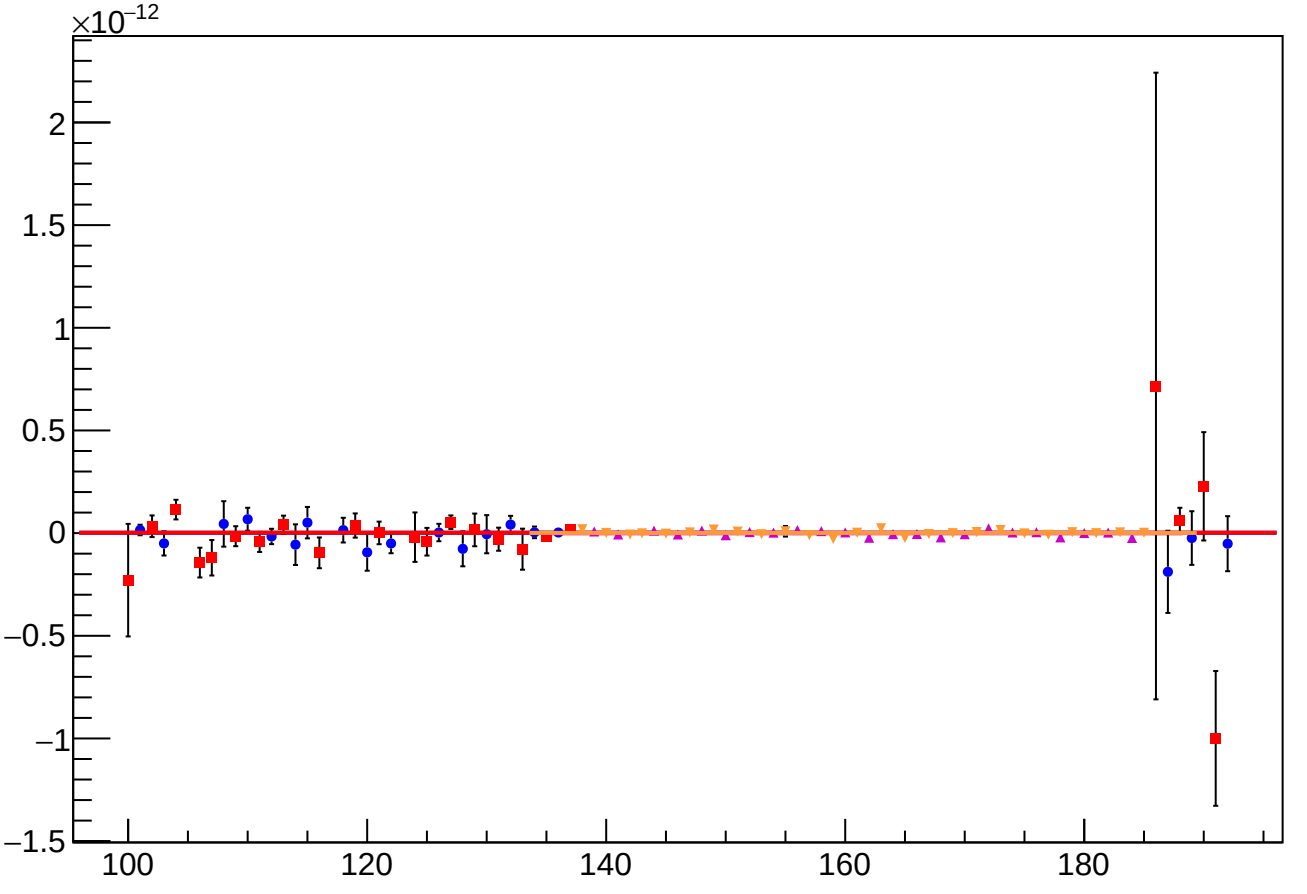
Right Out: 35.374+/-0.009 χ^2/NDF: 1225002.1/22

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.849+/-0.005 χ^2/NDF: 4367694.0/43

All: 36.271+/-0.004 χ^2/NDF: 8756823.6/89

- sign 35.711+/-0.005 χ^2/NDF: 4365616.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 8.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

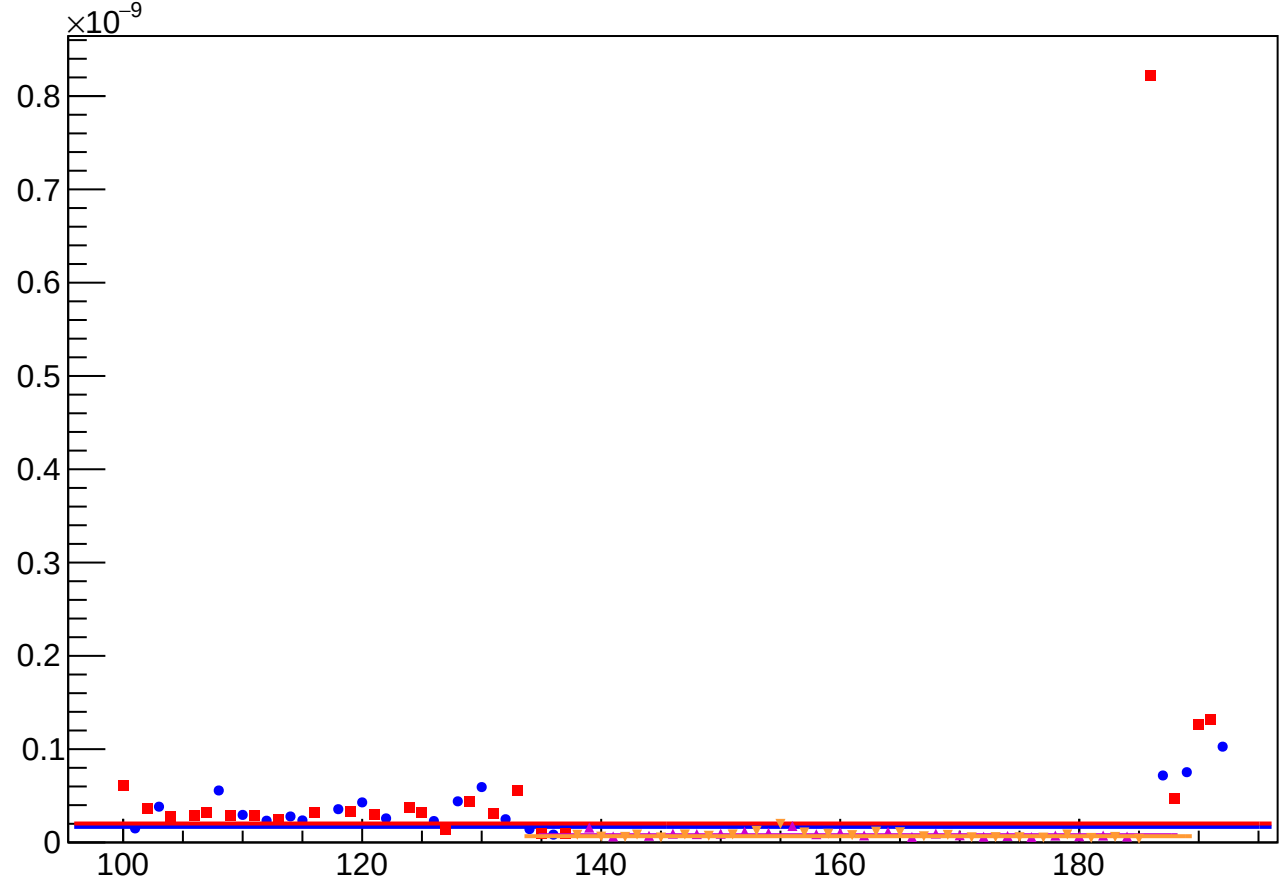
Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/22

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.2/43

All: 0.000+/-0.000 χ^2/NDF: 92.4/89

- sign -0.000+/-0.000 χ^2/NDF: 61.9/45



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

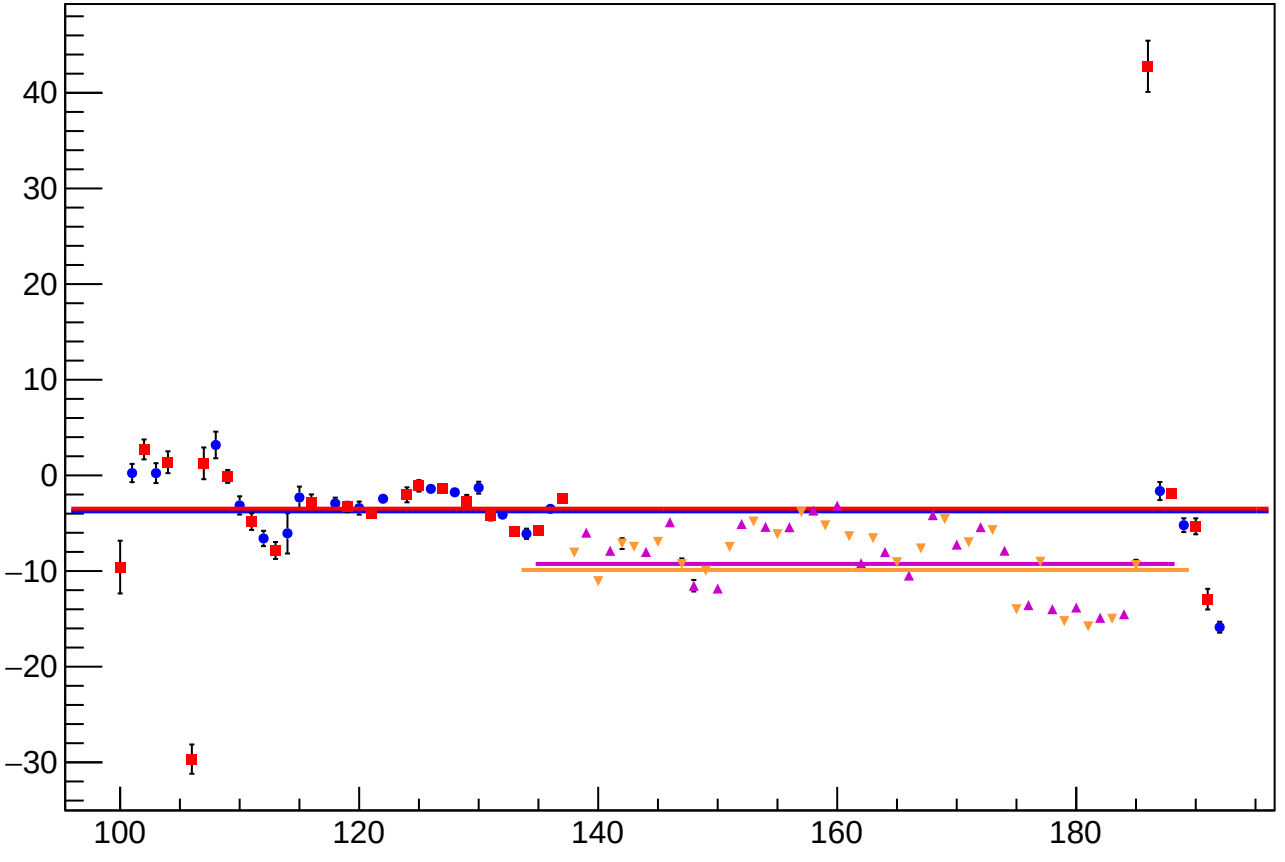
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8926689.9/43

All: 0.000+/-0.000 χ^2/NDF: 17699545.7/89

- sign 0.000+/-0.000 χ^2/NDF: 8459816.7/45

reg_asym_sam1_diff_bpm1X_slope vs Slug



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

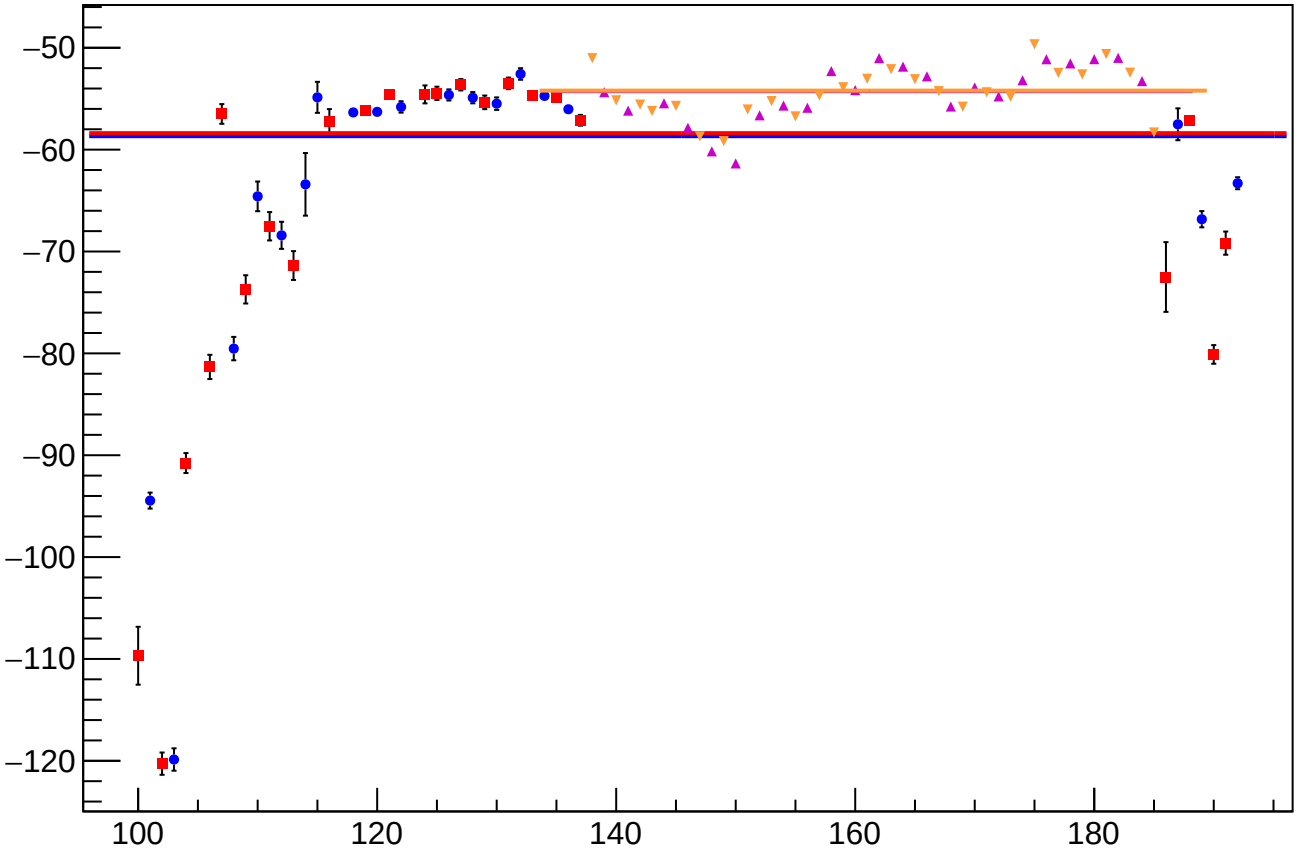
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.495+/-0.061 χ^2/NDF: 5586.1/43

All: -8.177+/-0.044 χ^2/NDF: 11234.1/89

- sign -7.846+/-0.062 χ^2/NDF: 5592.7/45

reg_asym_sam1_diff_bpm4aY_slope vs Slug



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

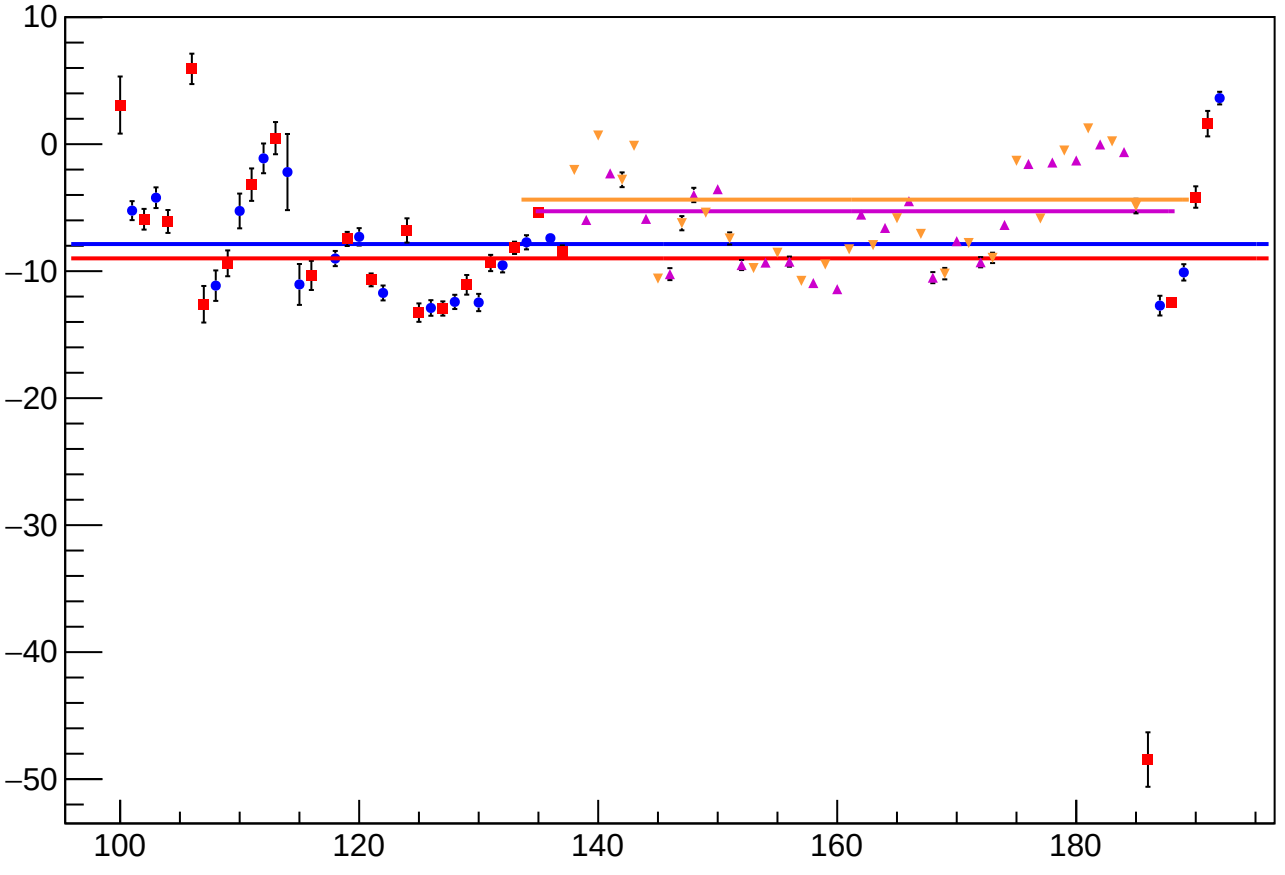
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -54.904+/-0.051 χ^2/NDF: 9164.2/43

All: -54.922+/-0.037 χ^2/NDF: 18972.1/89

- sign -54.941+/-0.053 χ^2/NDF: 9807.6/45

reg_asym_sam1_diff_bpm4eX_slope vs Slug



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

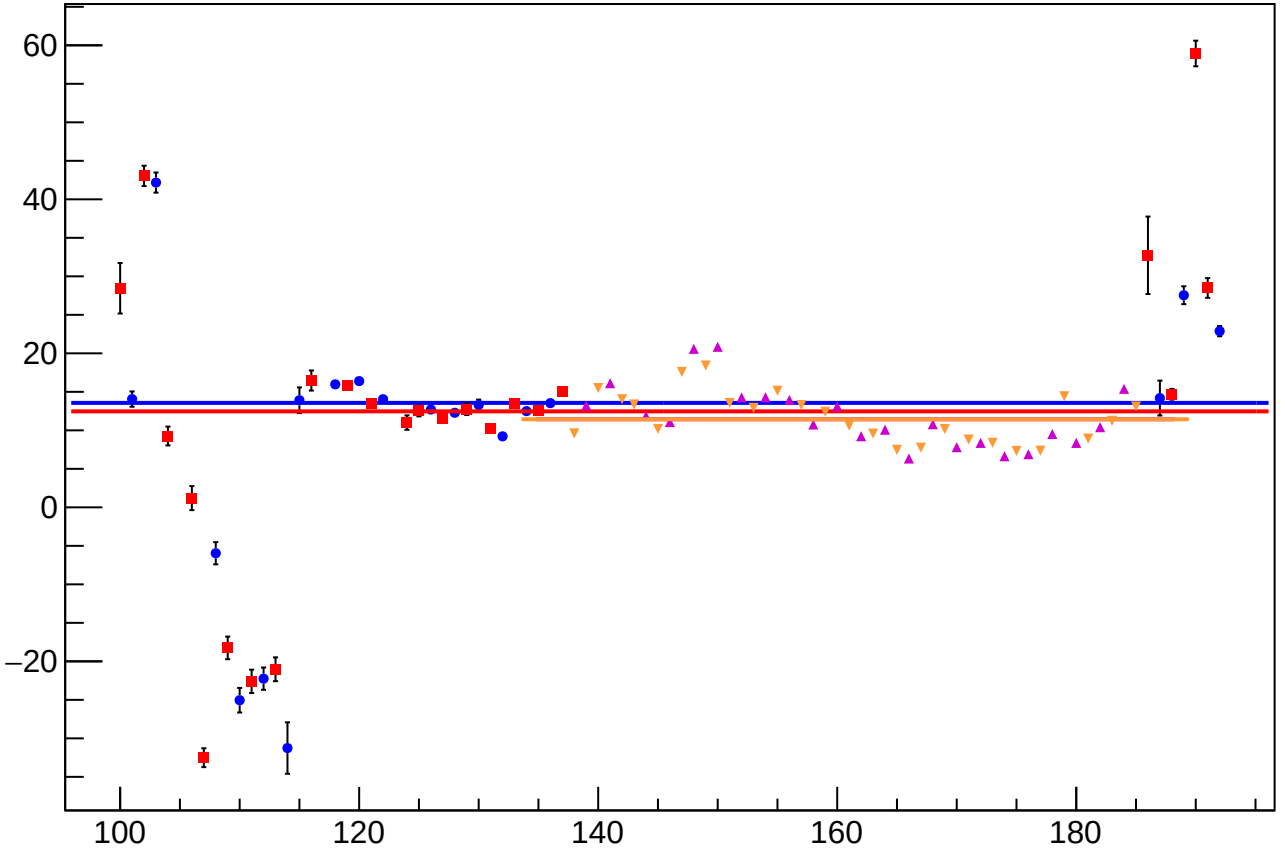
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -5.105+/-0.062 χ^2/NDF: 5147.9/43

All: -5.618+/-0.044 χ^2/NDF: 9862.3/89

- sign -6.144+/-0.062 χ^2/NDF: 4573.5/45

reg_asym_sam1_diff_bpm4eY_slope vs Slug



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

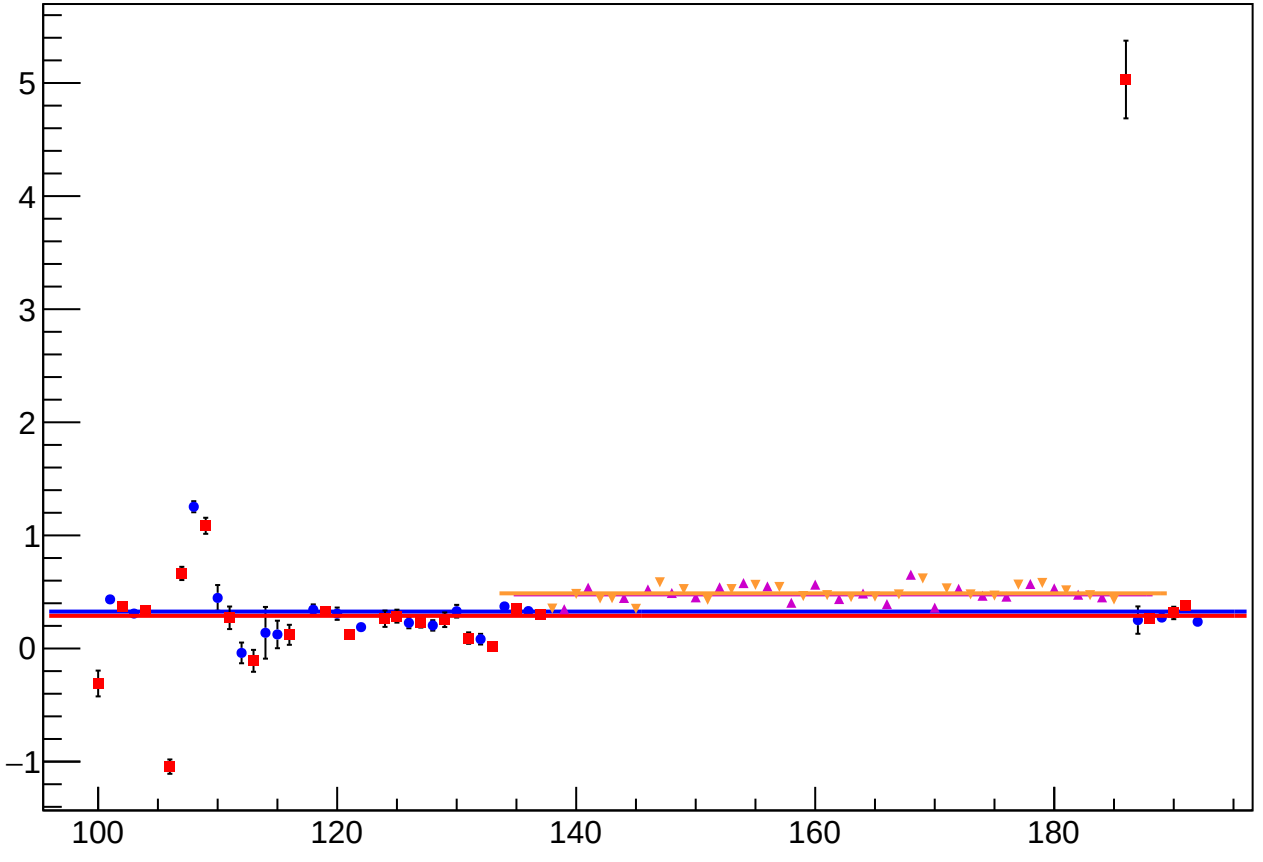
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 11.766+/-0.057 χ^2/NDF: 5109.4/43

All: 11.686+/-0.041 χ^2/NDF: 12997.4/89

\- sign 11.600+/-0.059 χ^2/NDF: 7884.0/45

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.326+/-0.007 χ^2/NDF: 458.6/18

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.289+/-0.008 χ^2/NDF: 976.9/22

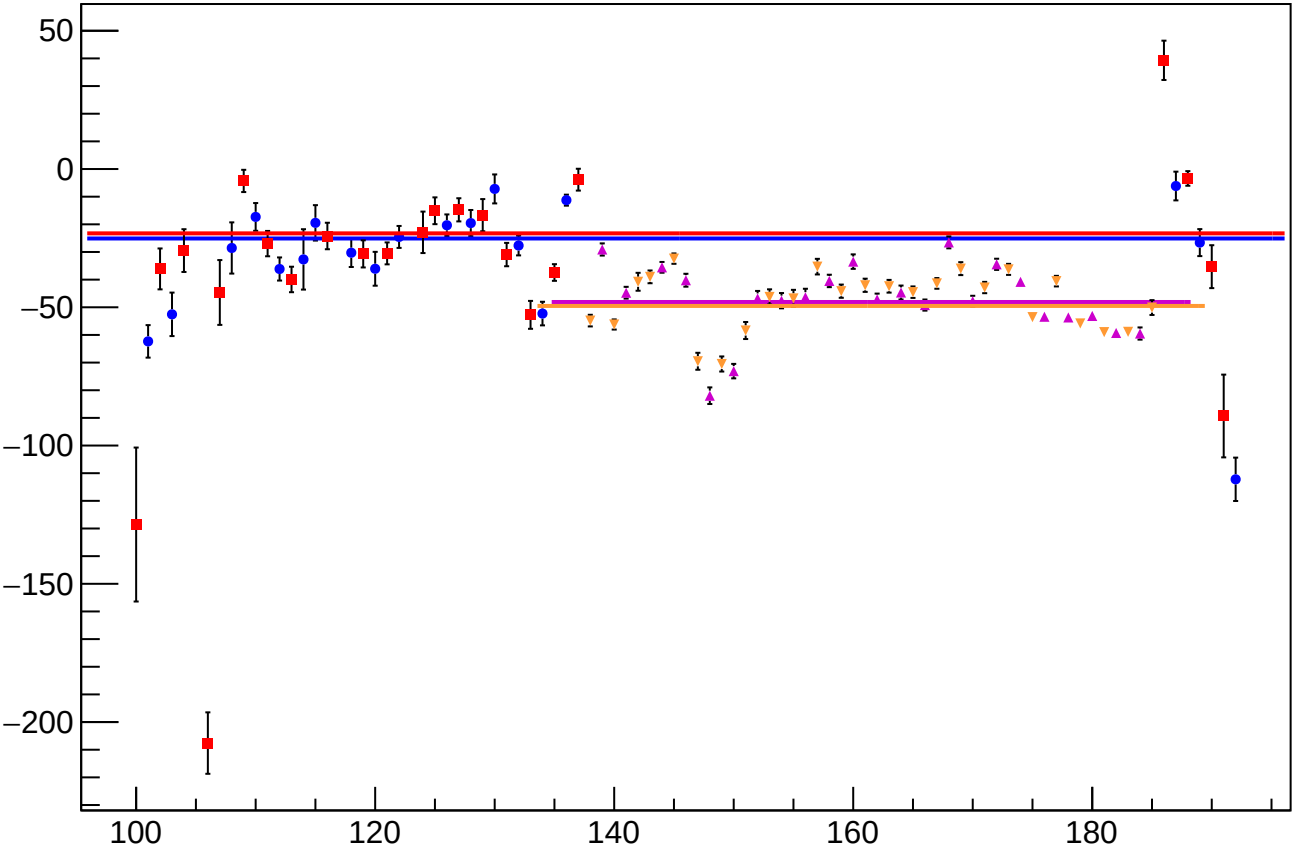
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.468+/-0.003 χ^2/NDF: 1431.5/43

All: 0.463+/-0.002 χ^2/NDF: 3730.1/89

- sign 0.458+/-0.003 χ^2/NDF: 2291.1/45

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

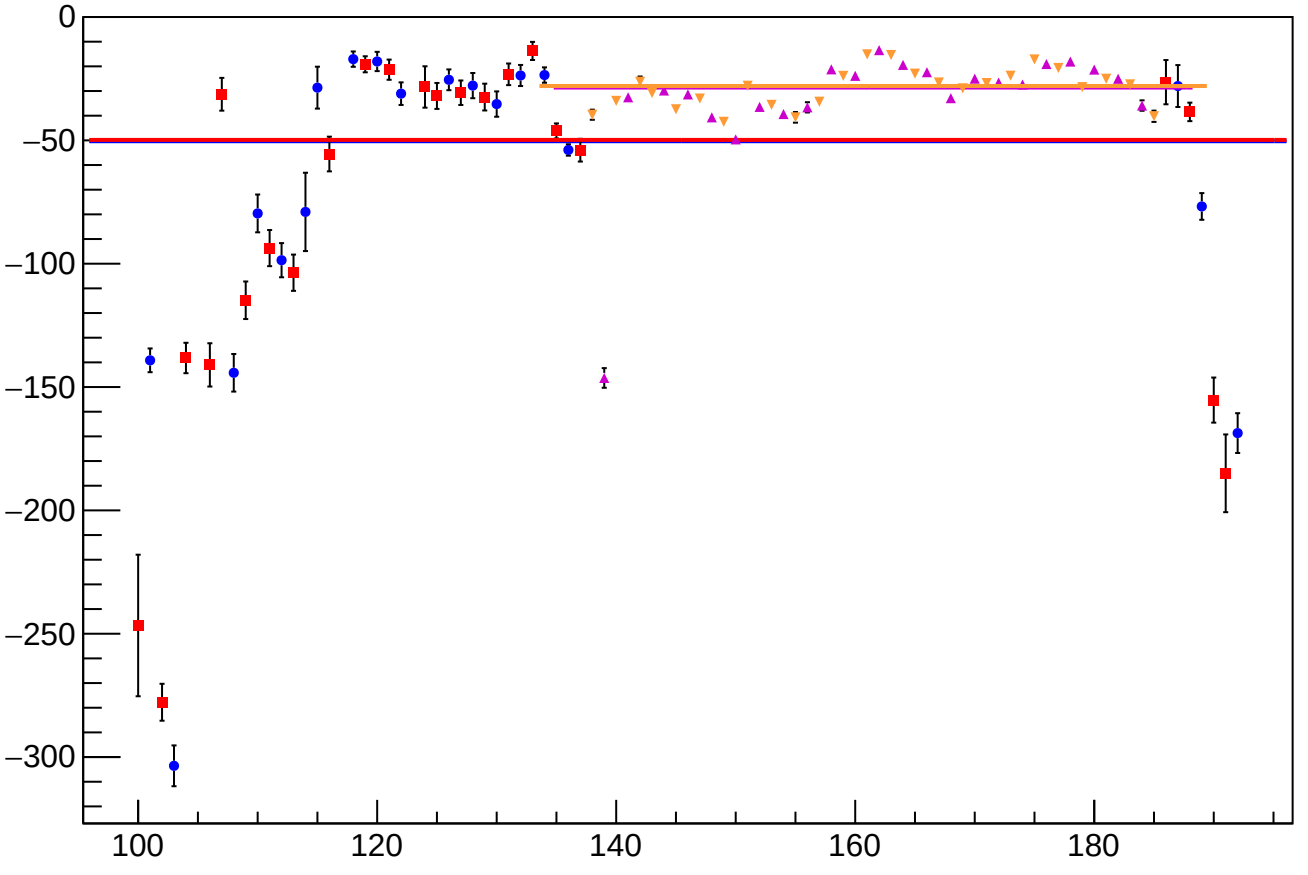
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.286+/-0.375 χ^2/NDF: 1371.3/43

All: -45.433+/-0.269 χ^2/NDF: 3179.2/89

- sign -44.522+/-0.387 χ^2/NDF: 1797.3/45

reg_asym_sam2_diff_bpm4aY_slope vs Slug



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

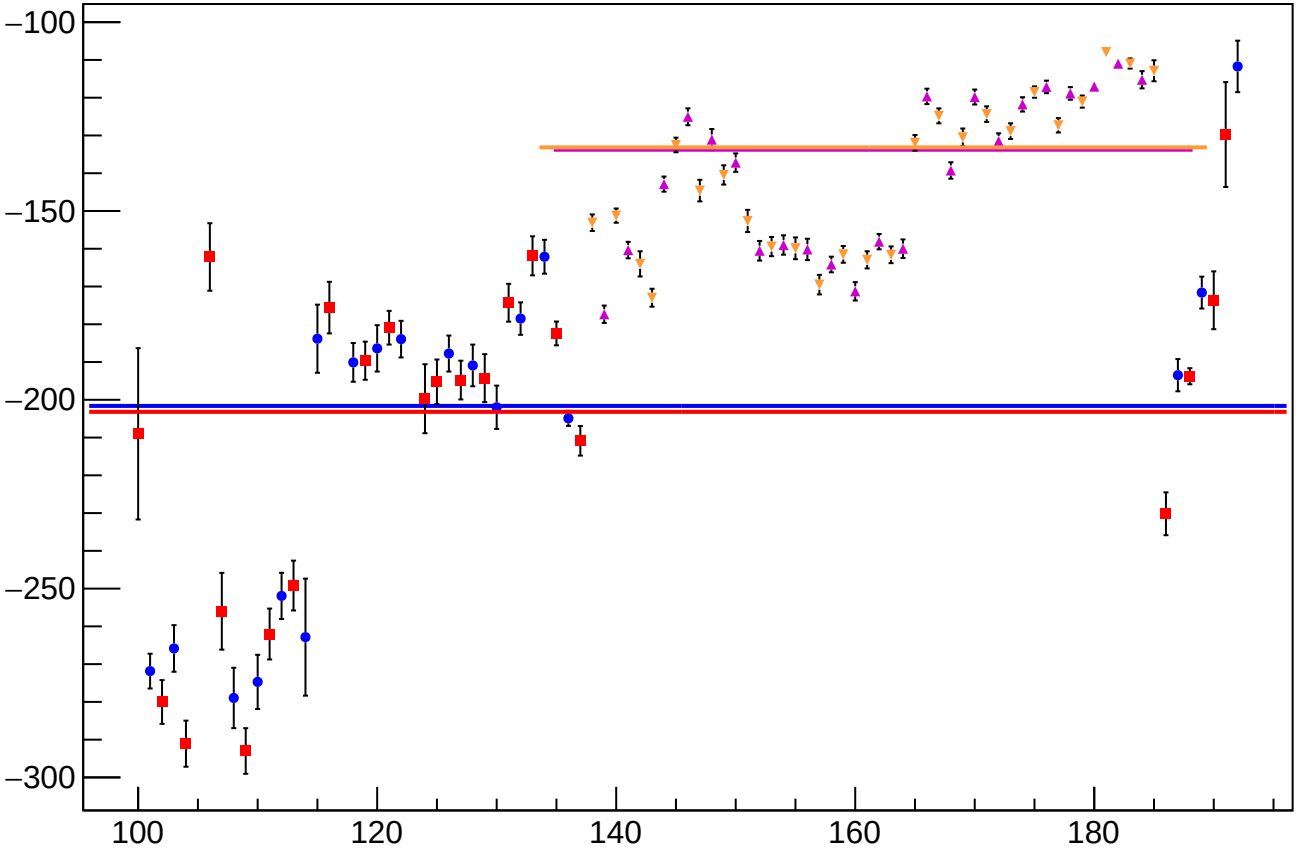
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

\+ sign -29.836+/-0.307 χ^2/NDF: 3032.4/43

All: -30.087+/-0.221 χ^2/NDF: 6849.2/89

\- sign -30.358+/-0.319 χ^2/NDF: 3815.4/45

reg_asym_sam2_diff_bpm4eX_slope vs Slug



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

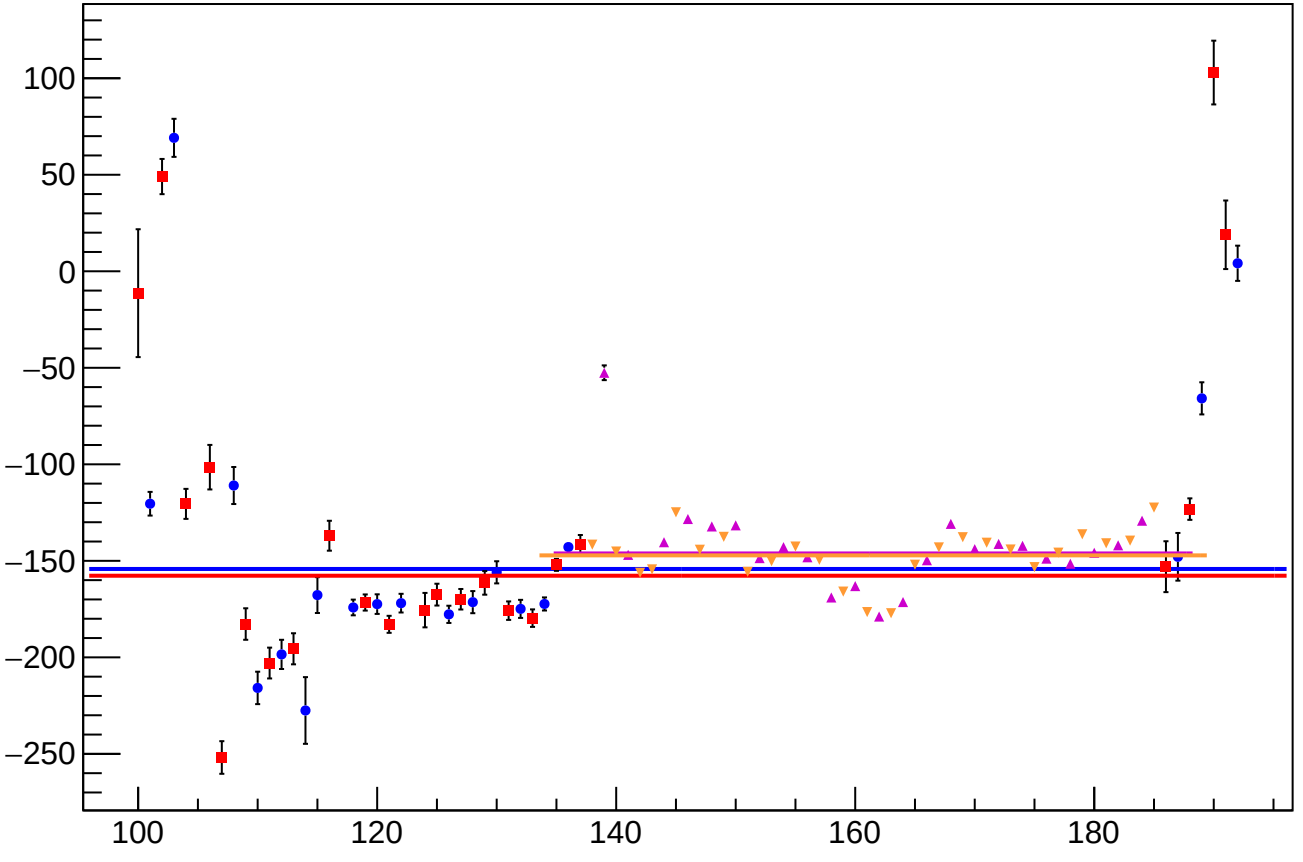
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.481+/-0.378 χ^2/NDF: 7041.6/43

All: -142.234+/-0.271 χ^2/NDF: 14246.5/89

- sign -143.030+/-0.388 χ^2/NDF: 7196.7/45

reg_asym_sam2_diff_bpm4eY_slope vs Slug



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

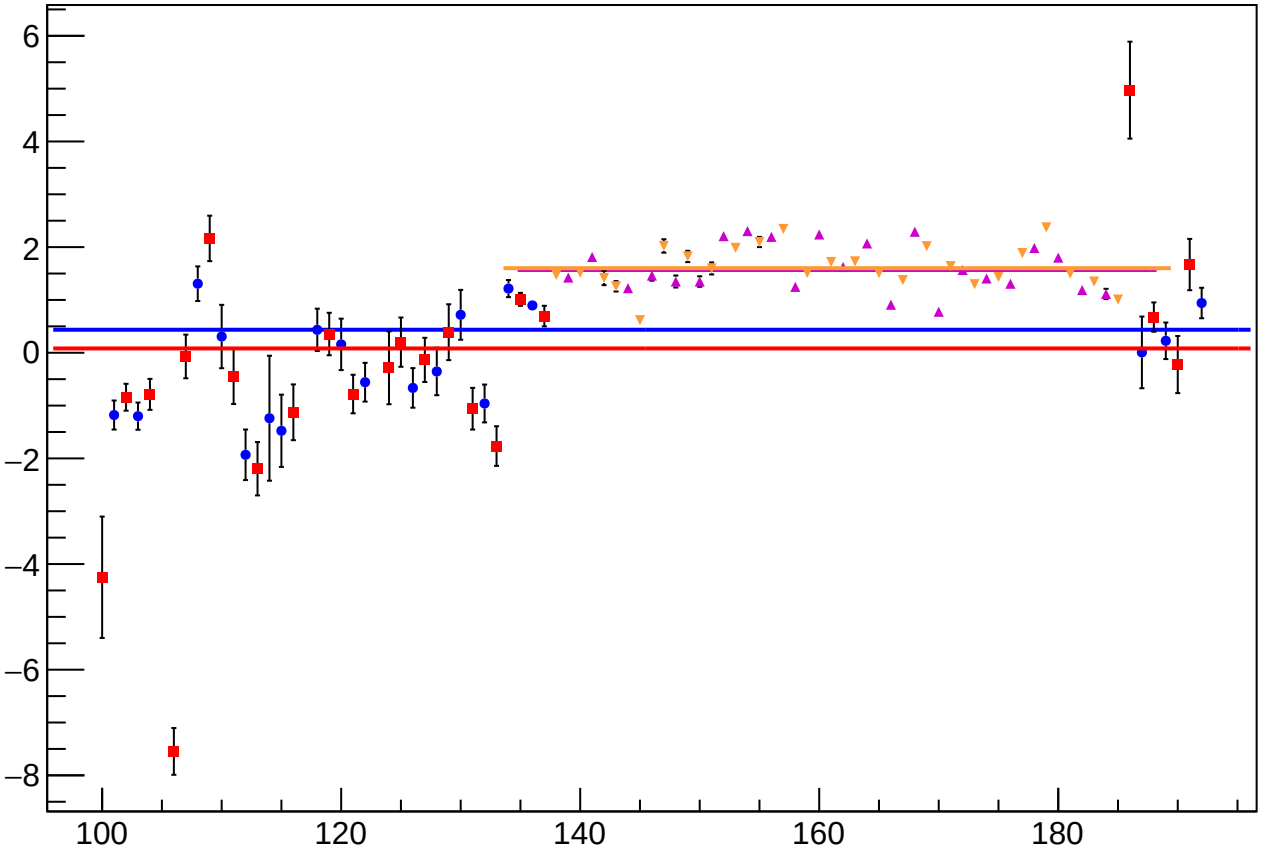
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

\+ sign -147.746+/-0.343 χ^2/NDF: 2523.3/43

All: -147.421+/-0.247 χ^2/NDF: 5666.0/89

\- sign -147.072+/-0.356 χ^2/NDF: 3140.9/45

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.436+/-0.062 χ^2/NDF: 201.5/18

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.082+/-0.069 χ^2/NDF: 534.1/22

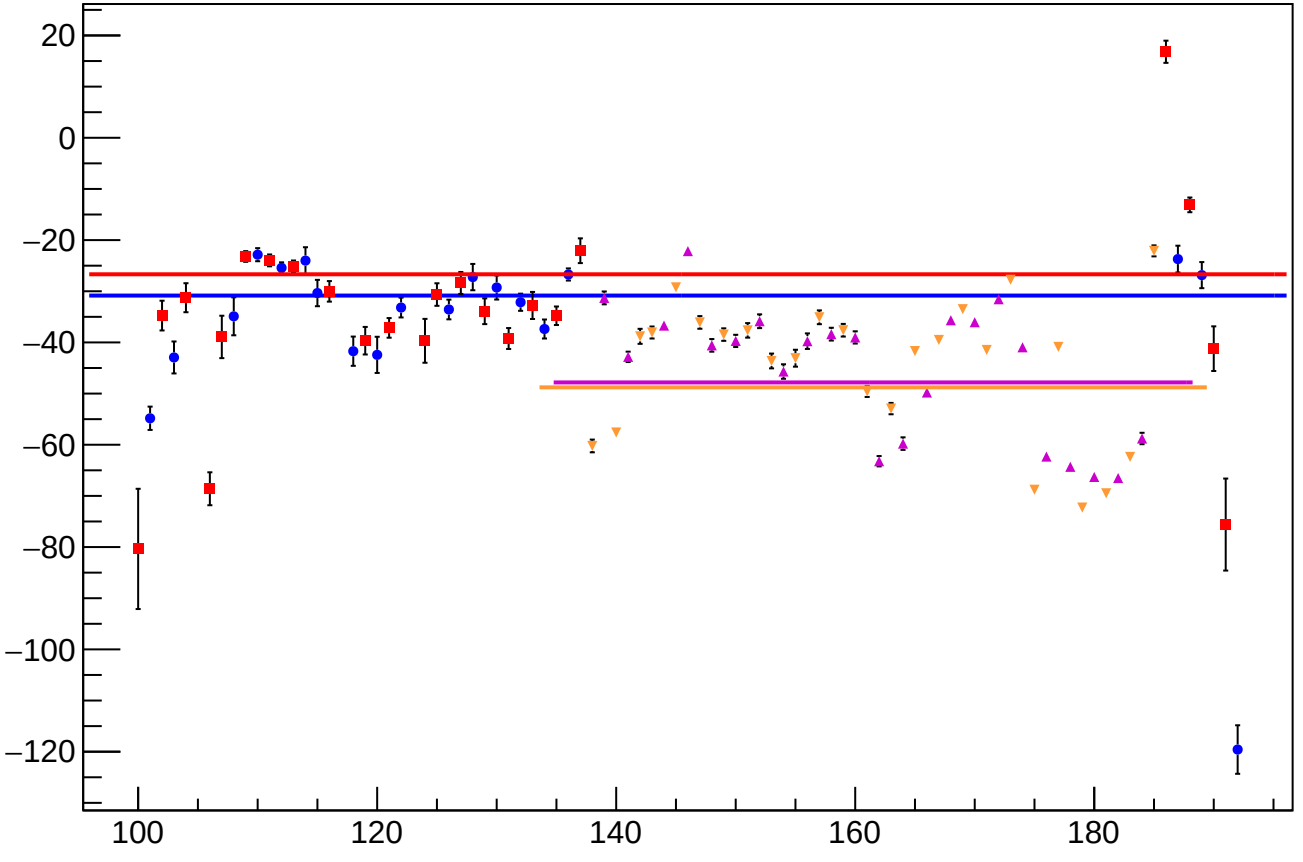
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

\+ sign 1.528+/-0.015 χ^2/NDF: 1115.1/43

All: 1.508+/-0.011 χ^2/NDF: 2832.7/89

\- sign 1.487+/-0.016 χ^2/NDF: 1714.1/45

reg_asym_sam3_diff_bpm1X_slope vs Slug



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

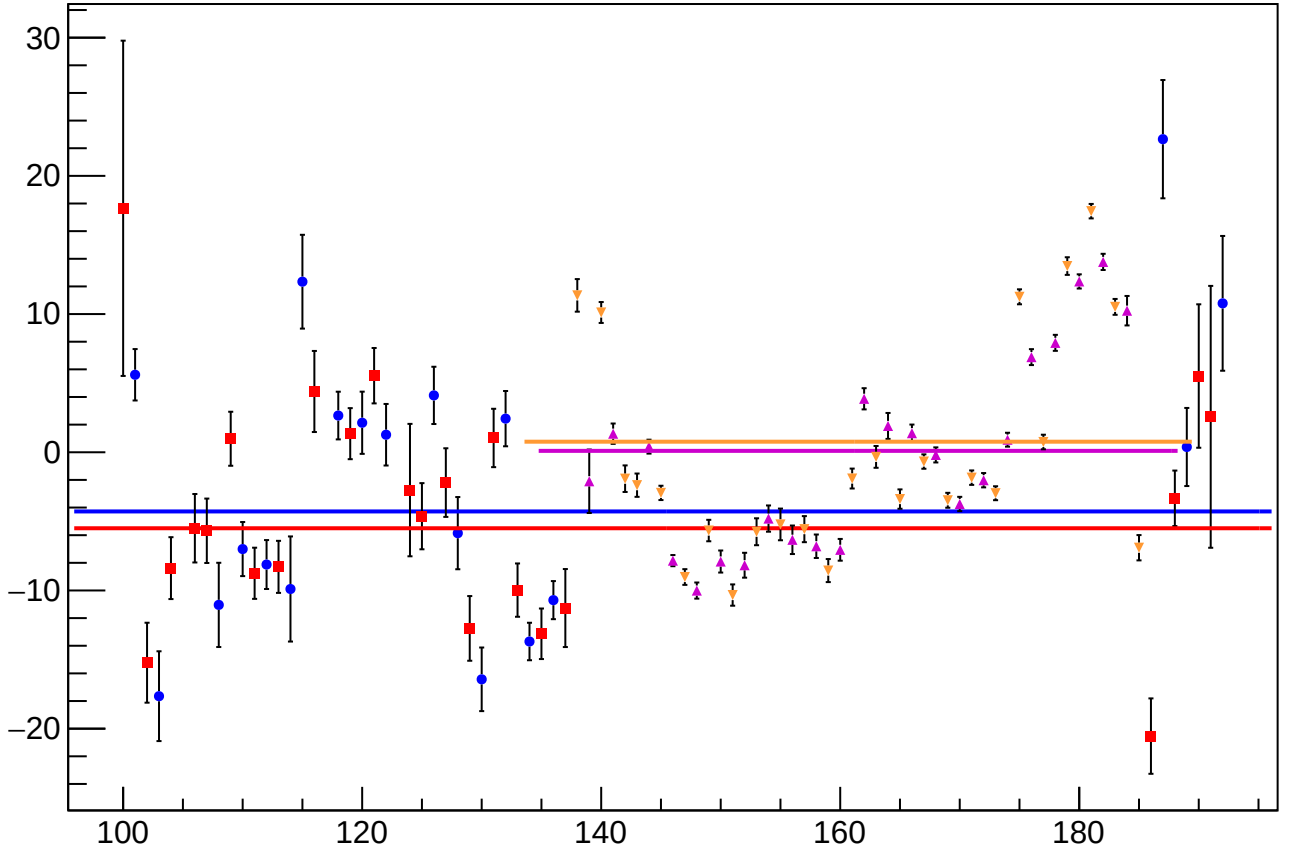
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.626+/-0.156 χ^2/NDF: 10959.9/43

All: -45.738+/-0.111 χ^2/NDF: 21334.9/89

- sign -44.838+/-0.158 χ^2/NDF: 10310.1/45

reg_asym_sam3_diff_bpm4aY_slope vs Slug



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

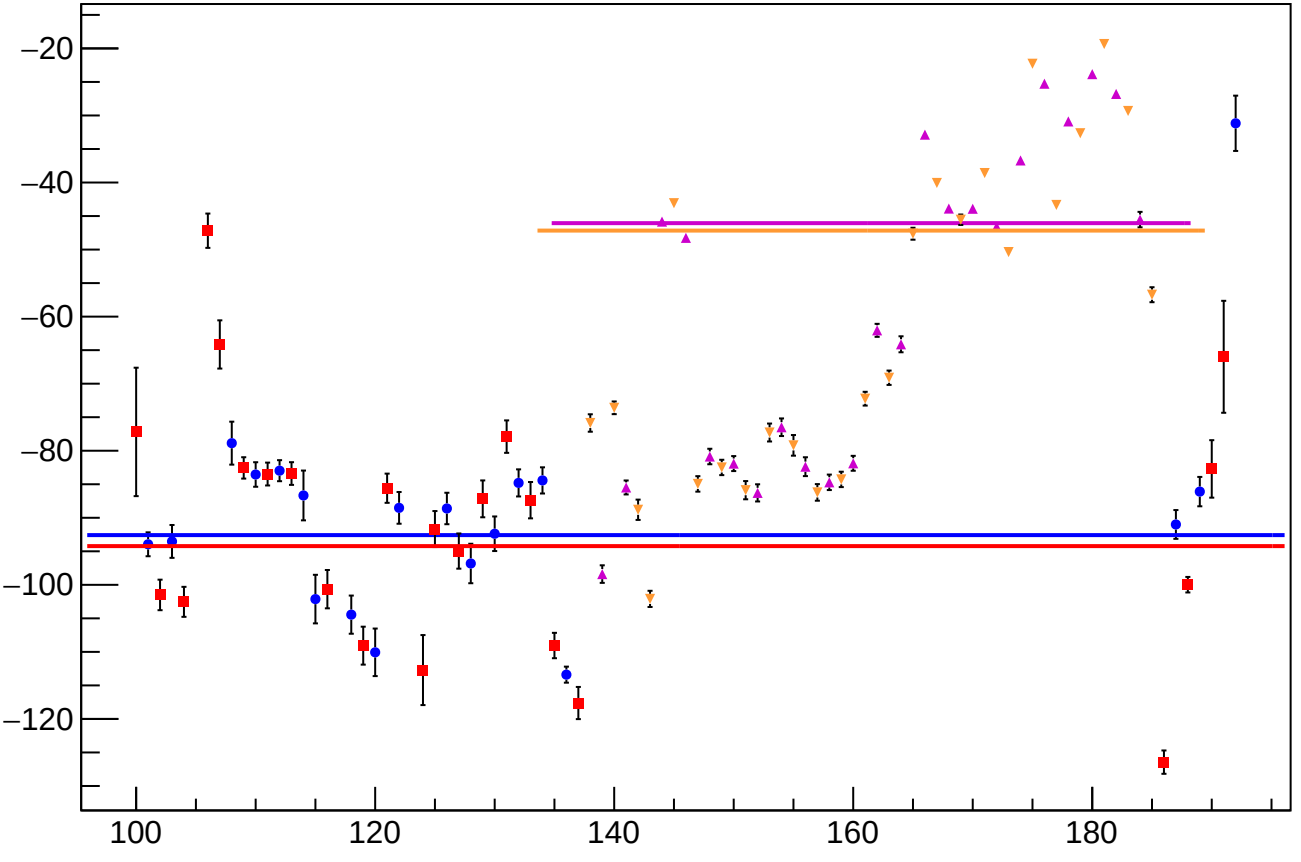
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.430+/-0.128 χ^2/NDF: 3855.2/43

All: 0.079+/-0.091 χ^2/NDF: 6884.9/89

- sign -0.275+/-0.128 χ^2/NDF: 3014.6/45

reg_asym_sam3_diff_bpm4eX_slope vs Slug



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

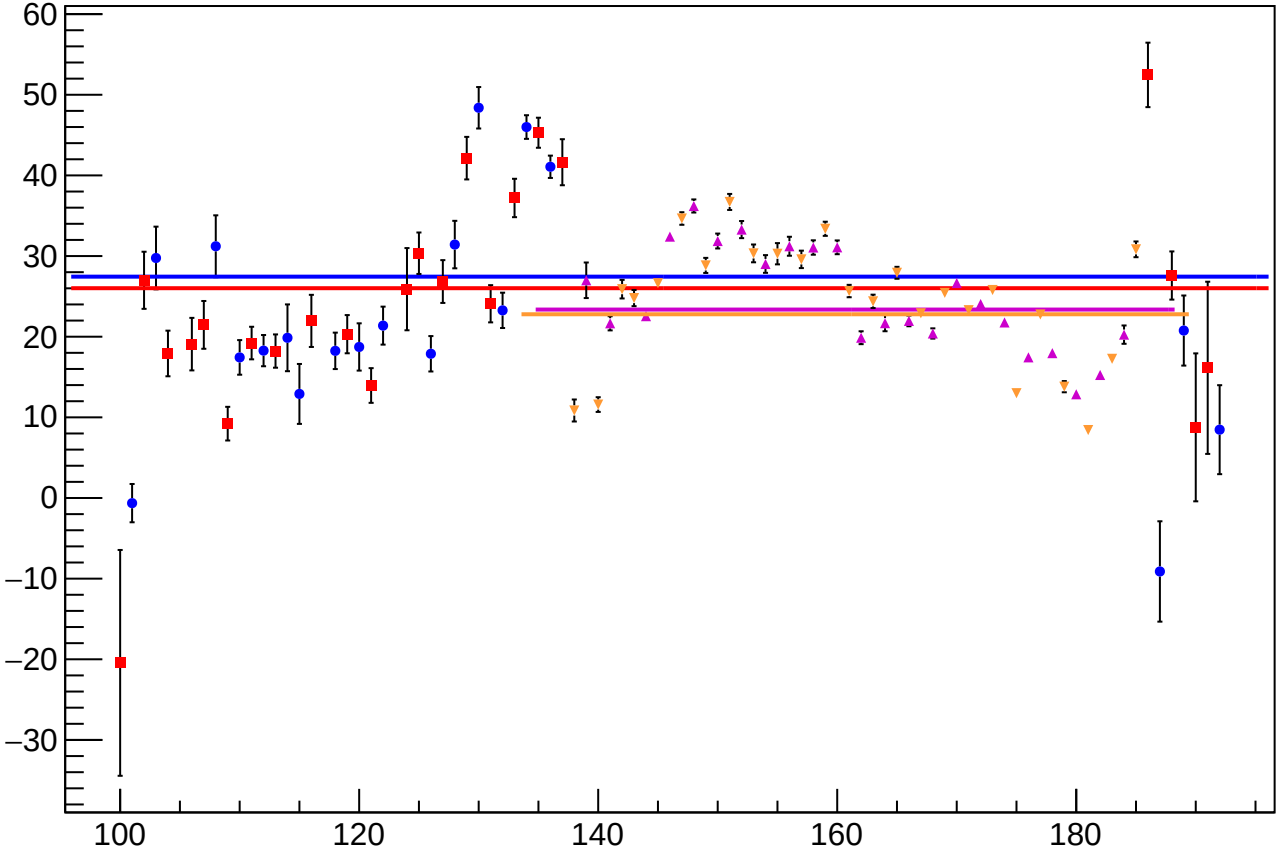
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

\+ sign -51.702+/-0.159 χ^2/NDF: 25701.3/43

All: -51.676+/-0.113 χ^2/NDF: 51006.7/89

\- sign -51.650+/-0.160 χ^2/NDF: 25305.4/45

reg_asym_sam3_diff_bpm4eY_slope vs Slug



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

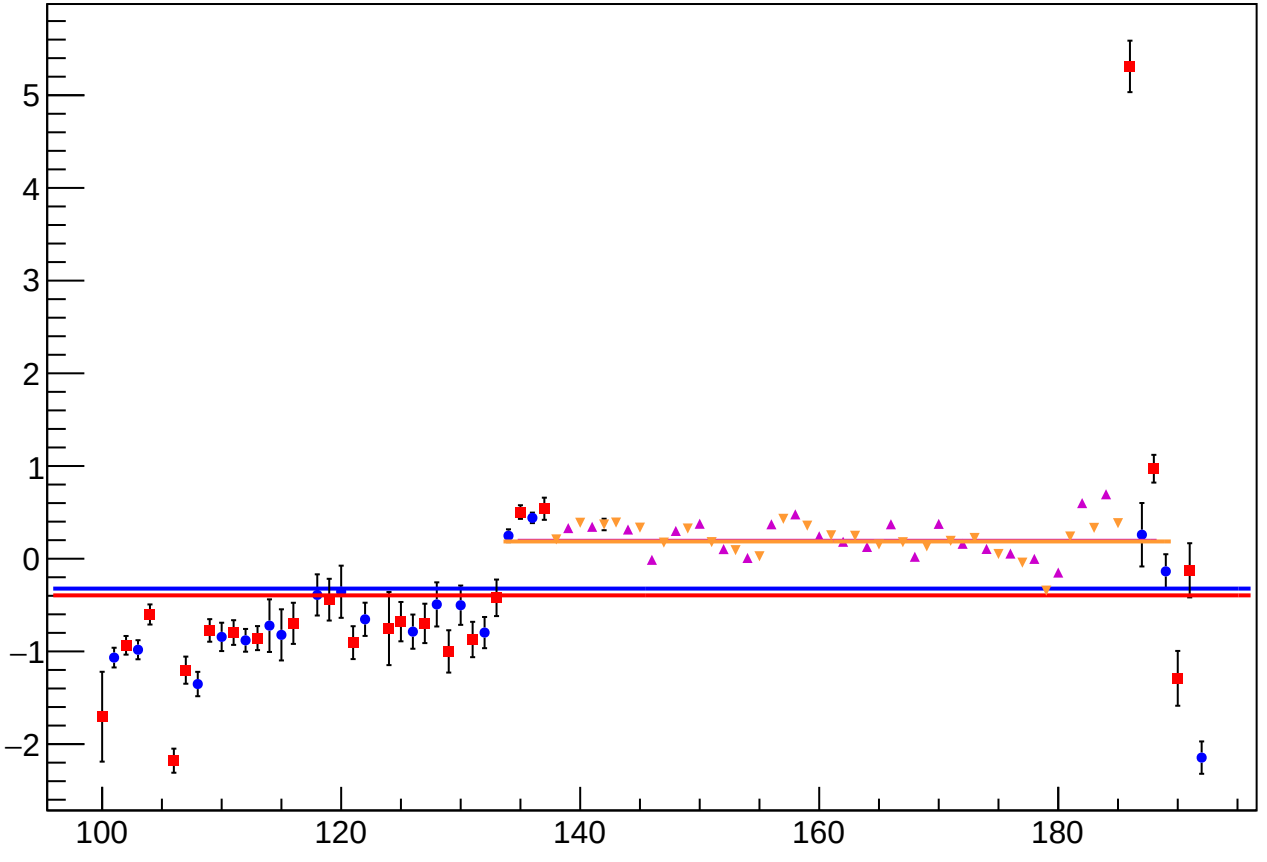
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.085+/-0.142 χ^2/NDF: 3111.1/43

All: 23.307+/-0.101 χ^2/NDF: 5325.4/89

- sign 23.534+/-0.144 χ^2/NDF: 2209.4/45

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.322+/-0.030 χ^2/NDF: 570.8/18

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.395+/-0.032 χ^2/NDF: 1043.9/22

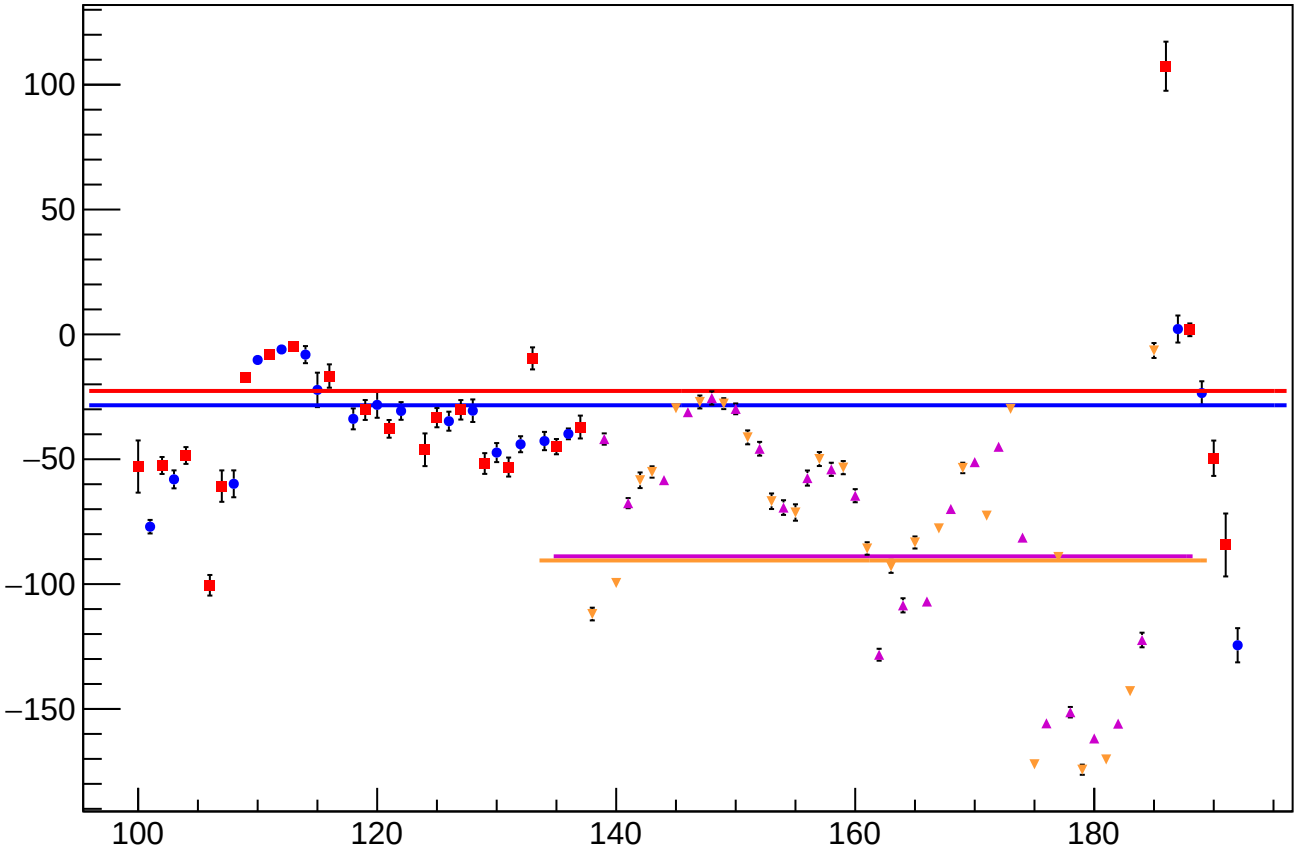
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.162+/-0.006 χ^2/NDF: 1496.6/43

All: 0.165+/-0.005 χ^2/NDF: 3813.2/89

- sign 0.168+/-0.007 χ^2/NDF: 2316.2/45

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

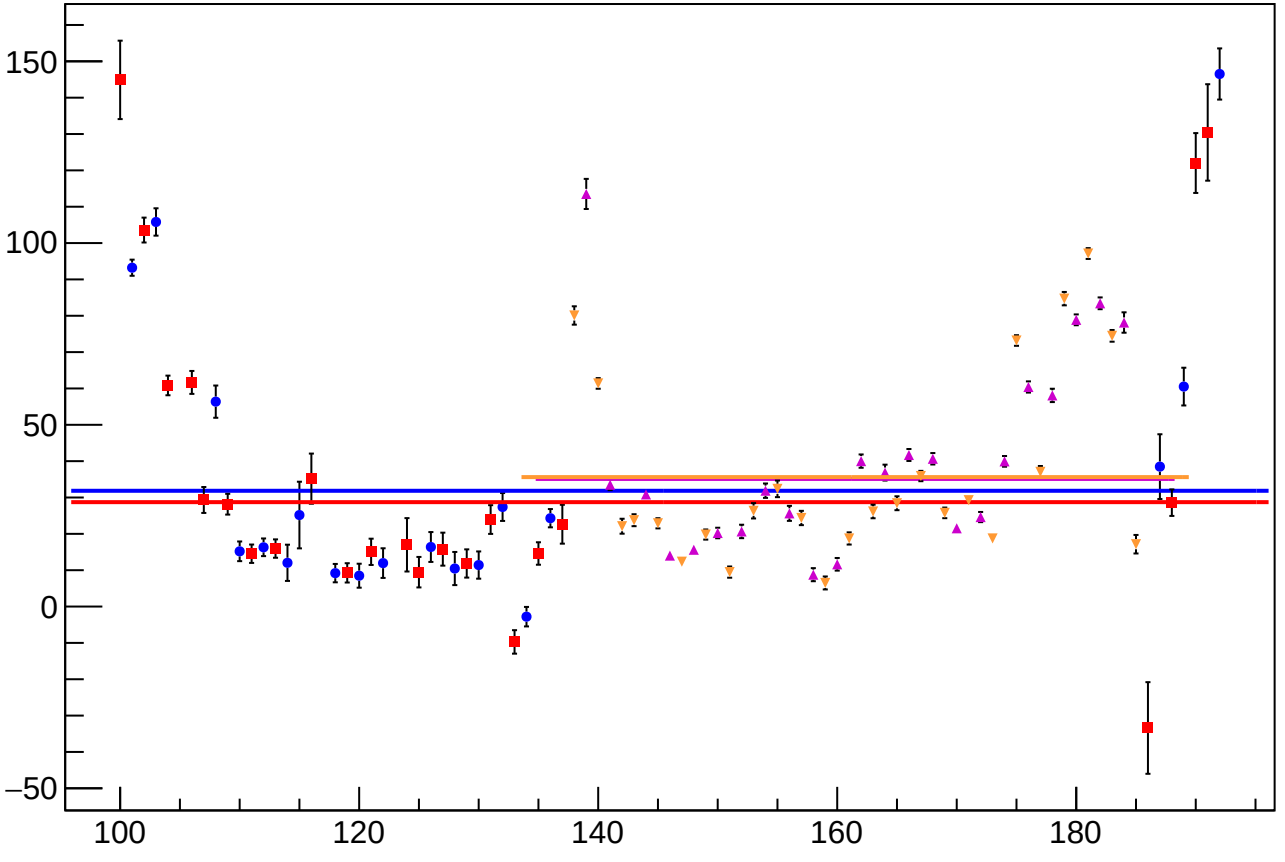
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -74.315+/-0.362 χ^2/NDF: 22162.7/43

All: -71.051+/-0.255 χ^2/NDF: 42825.6/89

- sign -67.845+/-0.359 χ^2/NDF: 20501.8/45

reg_asym_sam4_diff_bpm4aY_slope vs Slug



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

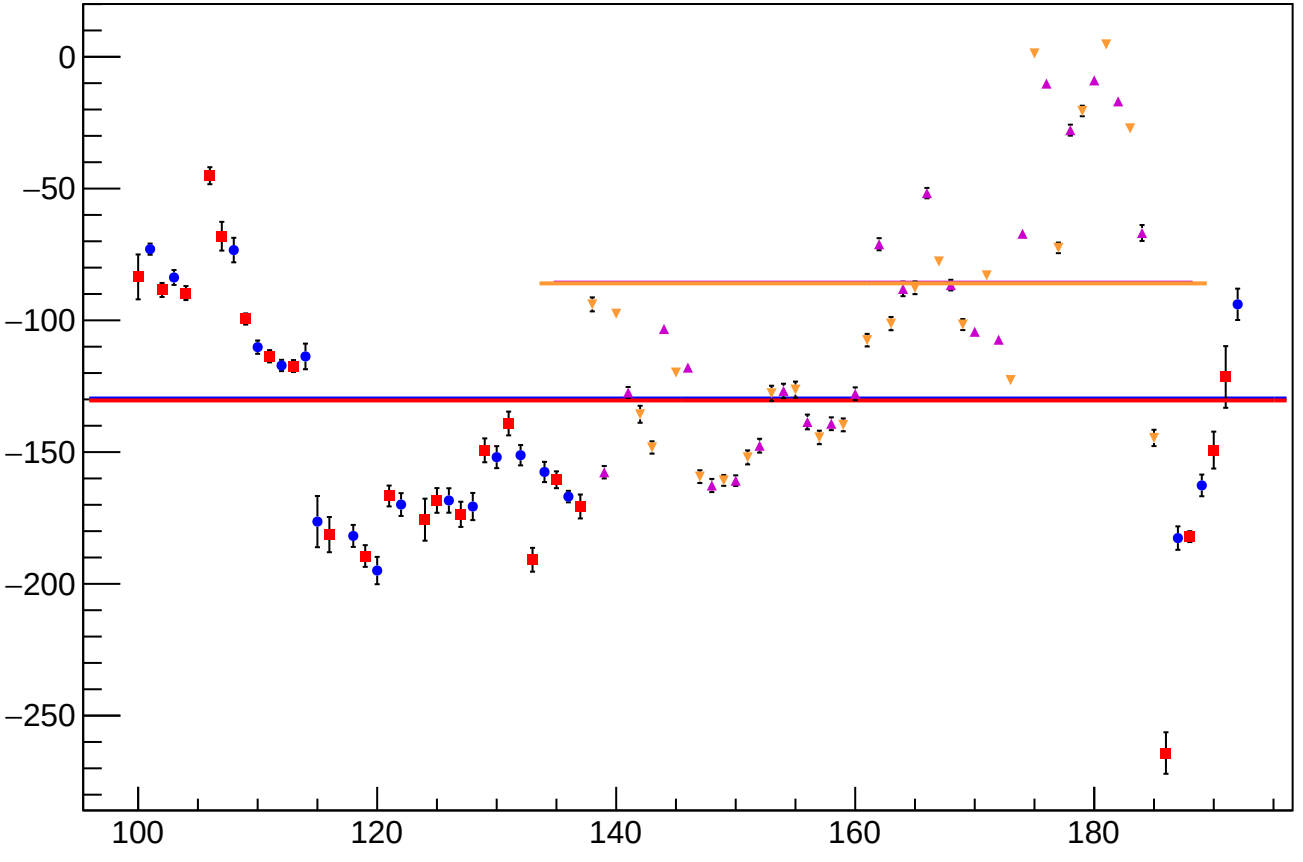
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 35.064+/-0.301 χ^2/NDF: 7962.2/43

All: 34.590+/-0.215 χ^2/NDF: 13567.3/89

- sign 34.093+/-0.308 χ^2/NDF: 5600.0/45

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -129.674+/-0.793 χ^2/NDF: 2428.8/18

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -130.391+/-0.735 χ^2/NDF: 3457.3/22

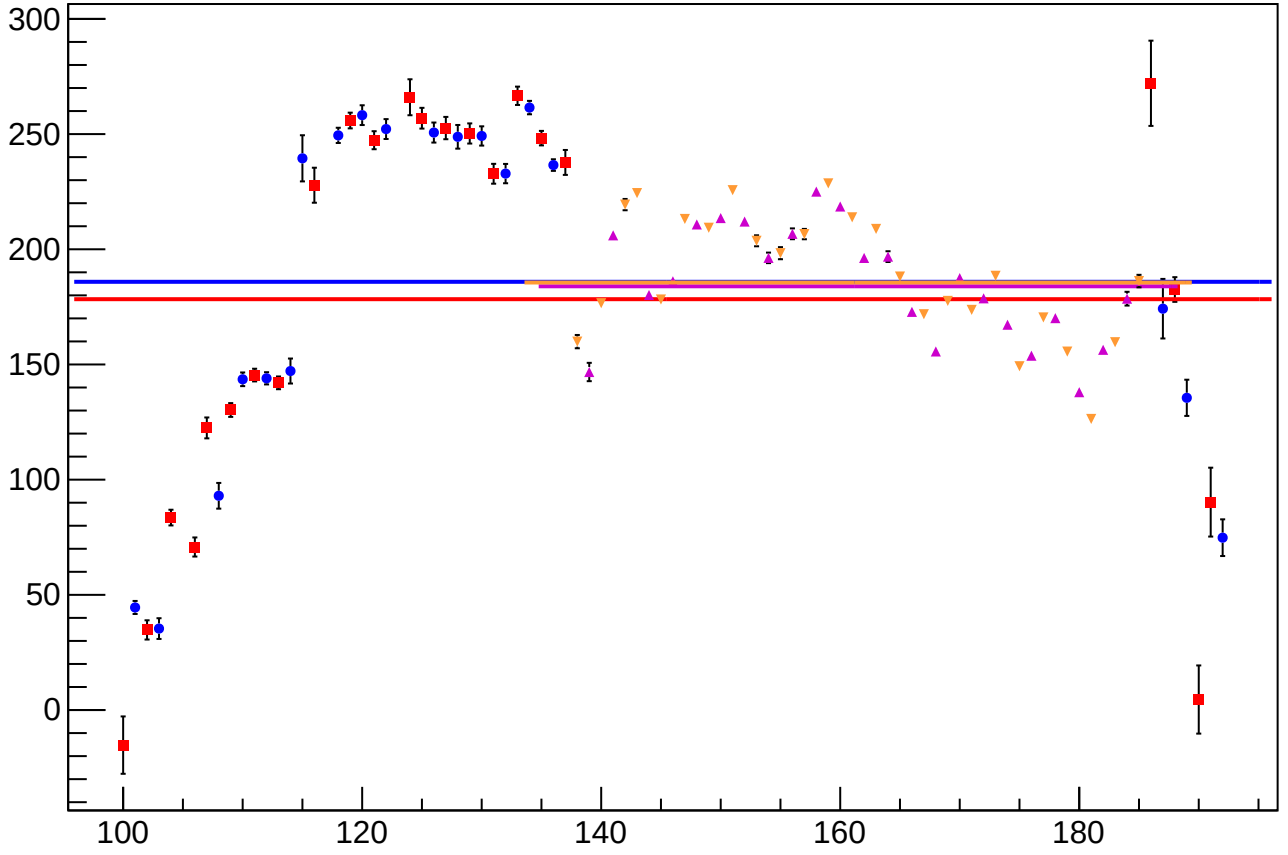
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -95.578+/-0.372 χ^2/NDF: 21033.0/43

All: -96.384+/-0.263 χ^2/NDF: 41003.3/89

- sign -97.194+/-0.373 χ^2/NDF: 19960.9/45

reg_asym_sam4_diff_bpm4eY_slope vs Slug



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

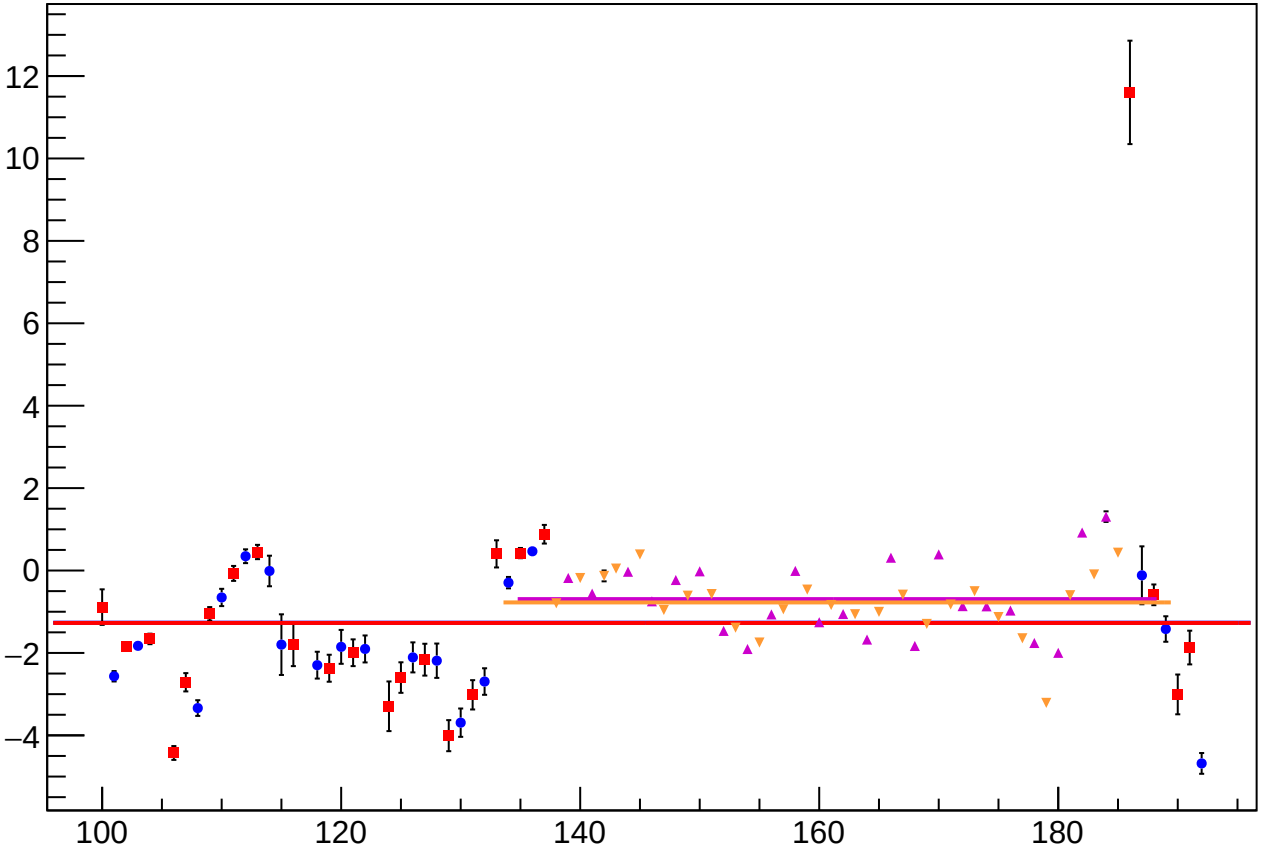
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 185.626+/-0.340 χ^2/NDF: 12715.6/43

All: 184.385+/-0.243 χ^2/NDF: 23518.1/89

- sign 183.087+/-0.348 χ^2/NDF: 10775.3/45

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.266+/-0.047 χ^2/NDF: 980.2/18

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.272+/-0.046 χ^2/NDF: 1126.0/22

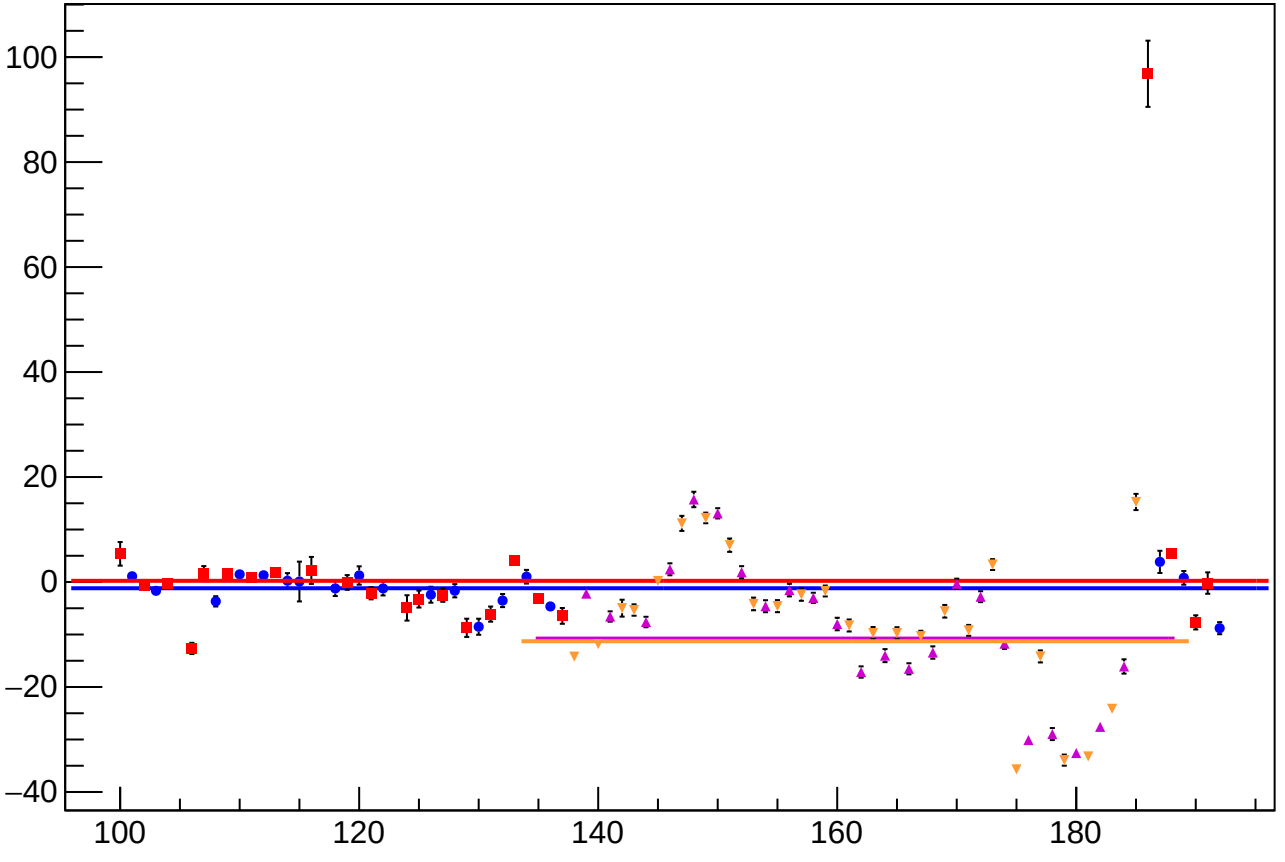
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.829+/-0.015 χ^2/NDF: 2902.6/43

All: -0.796+/-0.011 χ^2/NDF: 6742.3/89

- sign -0.761+/-0.016 χ^2/NDF: 3830.4/45

reg_asym_sam5_diff_bpm1X_slope vs Slug



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

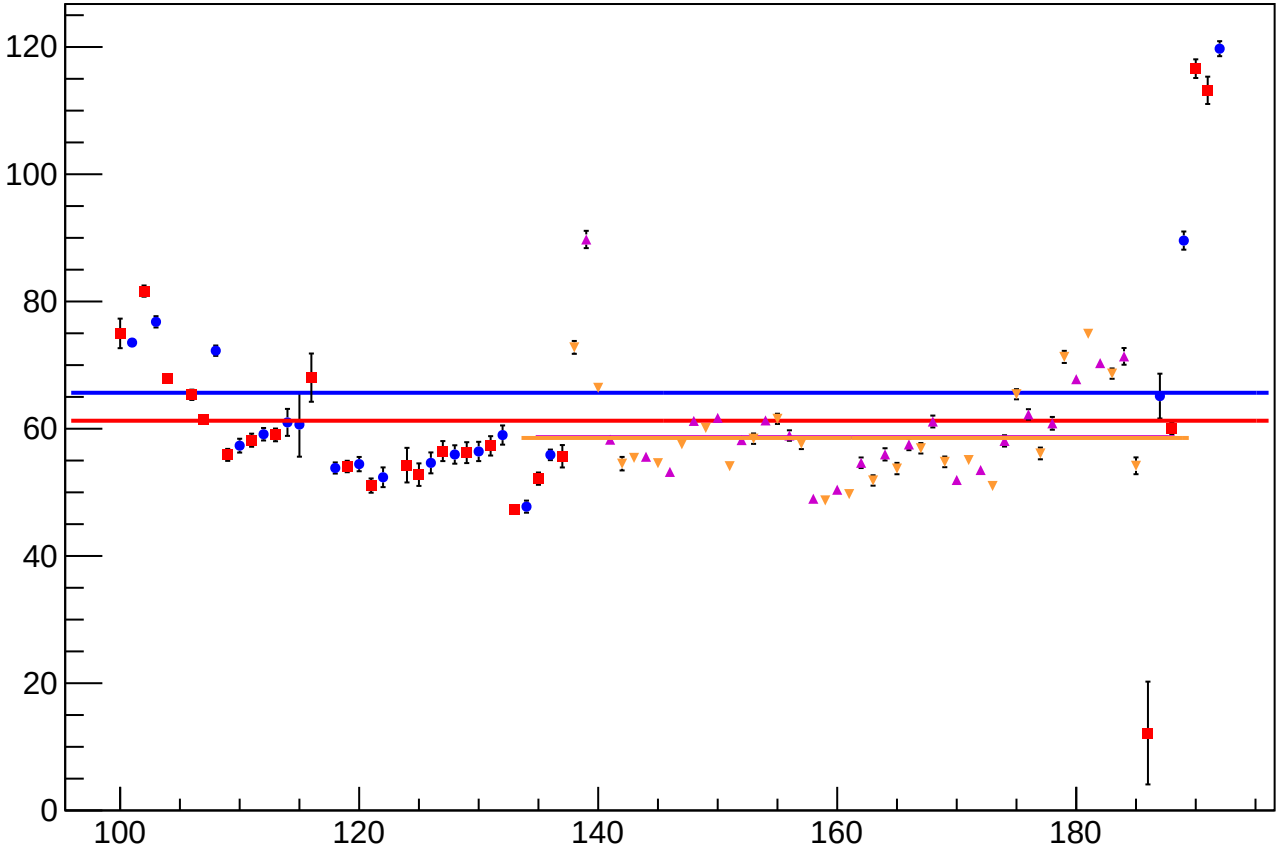
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -6.980+/-0.158 χ^2/NDF: 5660.4/43

All: -5.983+/-0.108 χ^2/NDF: 11437.8/89

- sign -5.097+/-0.148 χ^2/NDF: 5701.6/45

reg_asym_sam5_diff_bpm4aY_slope vs Slug



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

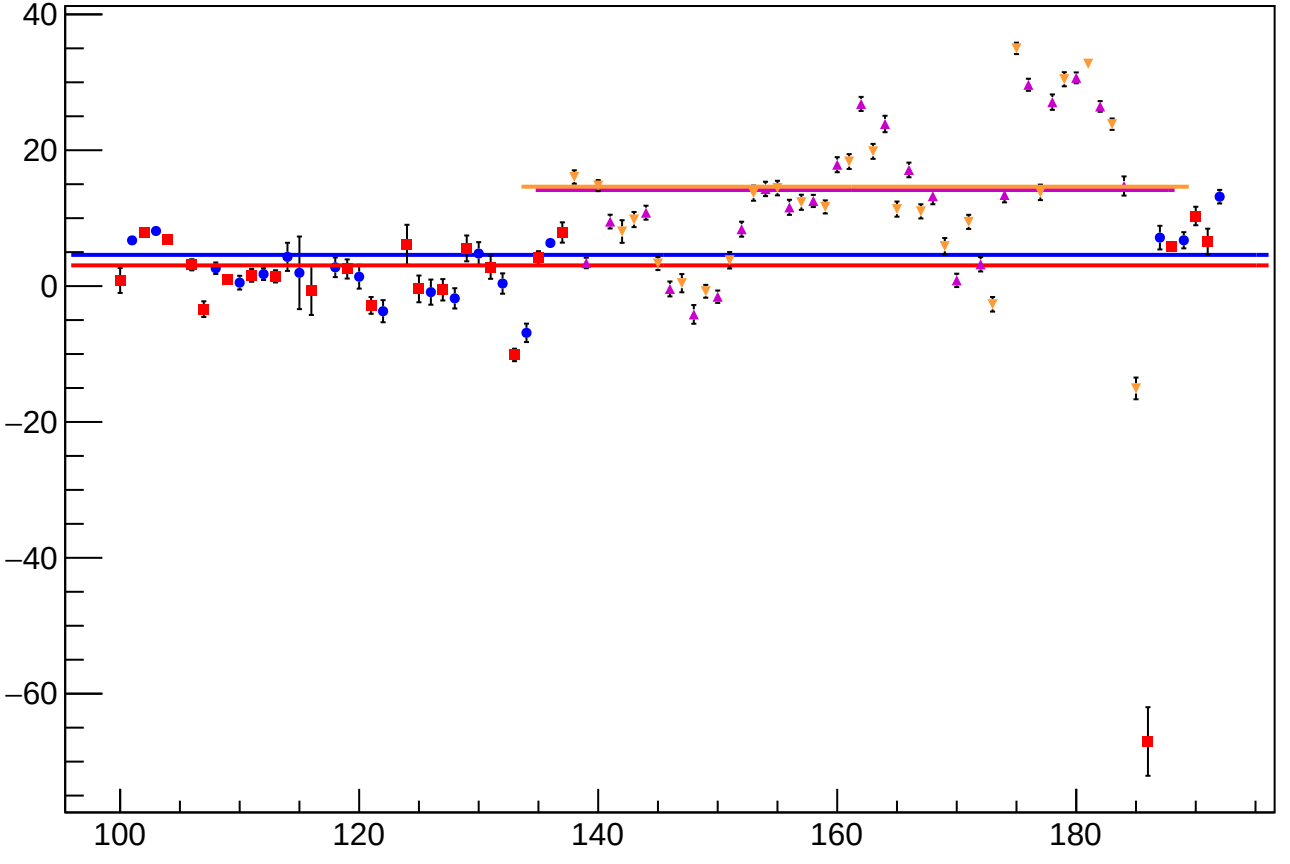
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 60.588+/-0.136 χ^2/NDF: 6321.9/43

All: 60.080+/-0.096 χ^2/NDF: 11562.2/89

- sign 59.571+/-0.136 χ^2/NDF: 5212.4/45

reg_asym_sam5_diff_bpm4eX_slope vs Slug



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

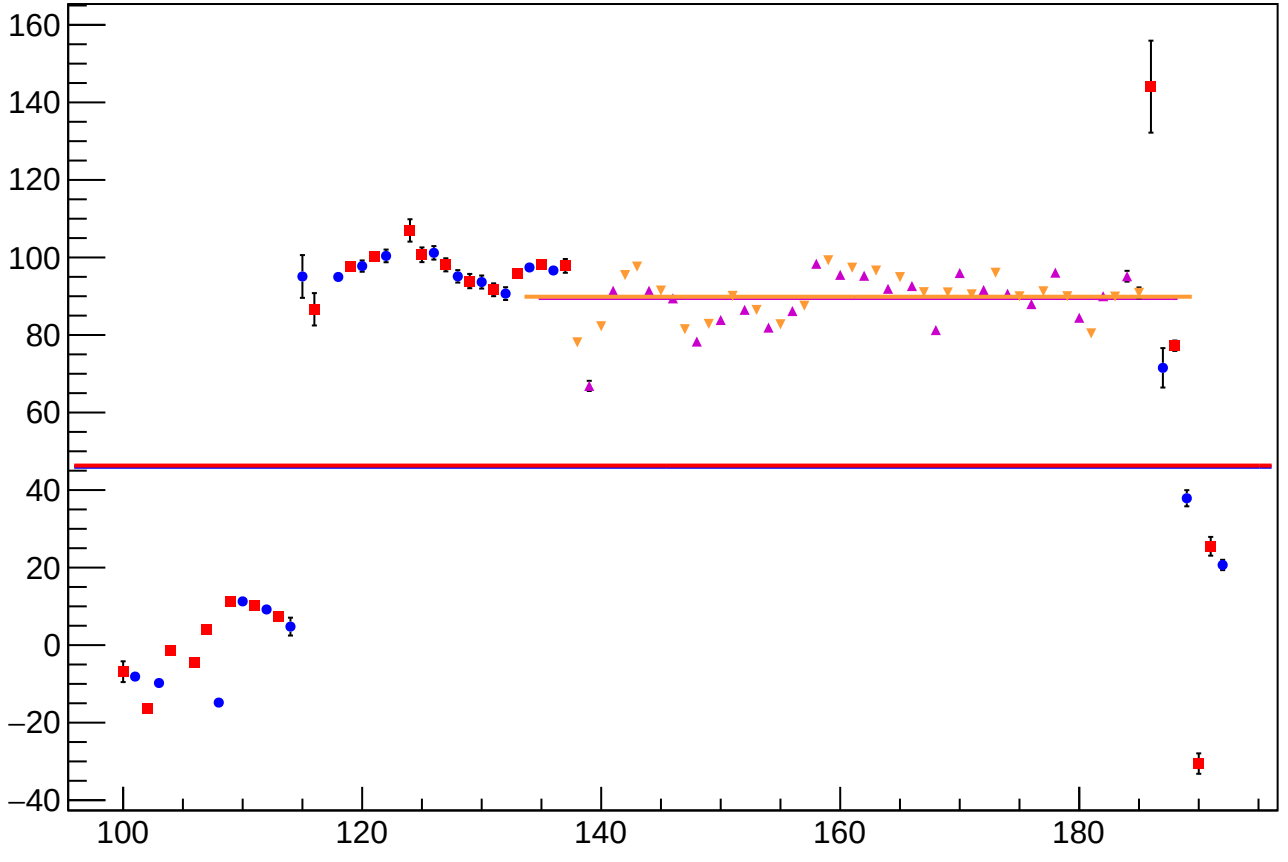
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.522+/-0.159 χ^2/NDF: 4224.1/43

All: 9.586+/-0.110 χ^2/NDF: 8812.5/89

- sign 8.738+/-0.151 χ^2/NDF: 4522.3/45

reg_asym_sam5_diff_bpm4eY_slope vs Slug



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

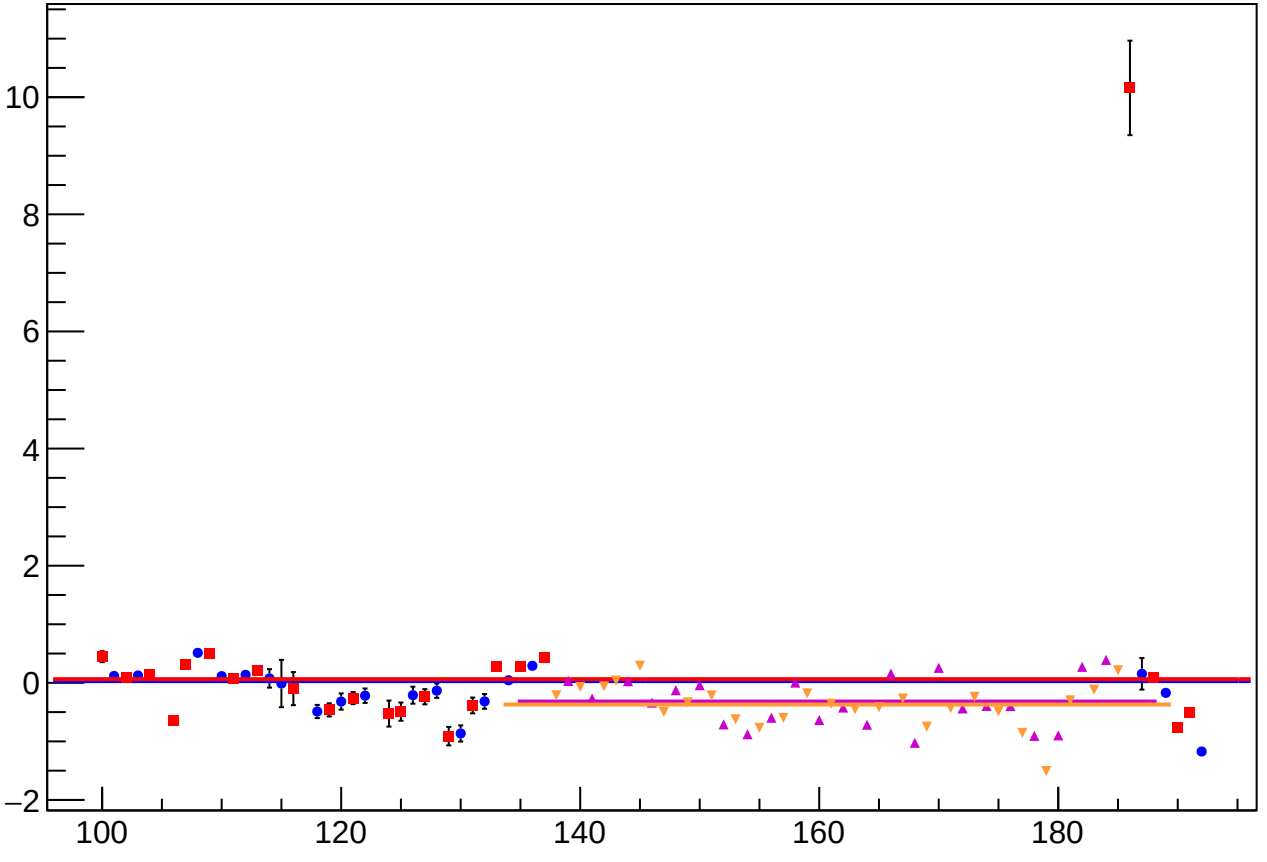
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 77.969+/-0.155 χ^2/NDF: 44313.3/43

All: 76.892+/-0.109 χ^2/NDF: 92806.1/89

- sign 75.810+/-0.155 χ^2/NDF: 48395.5/45

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.029+/-0.013 χ^2/NDF: 1189.2/18

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: 0.063+/-0.013 χ^2/NDF: 887.9/22

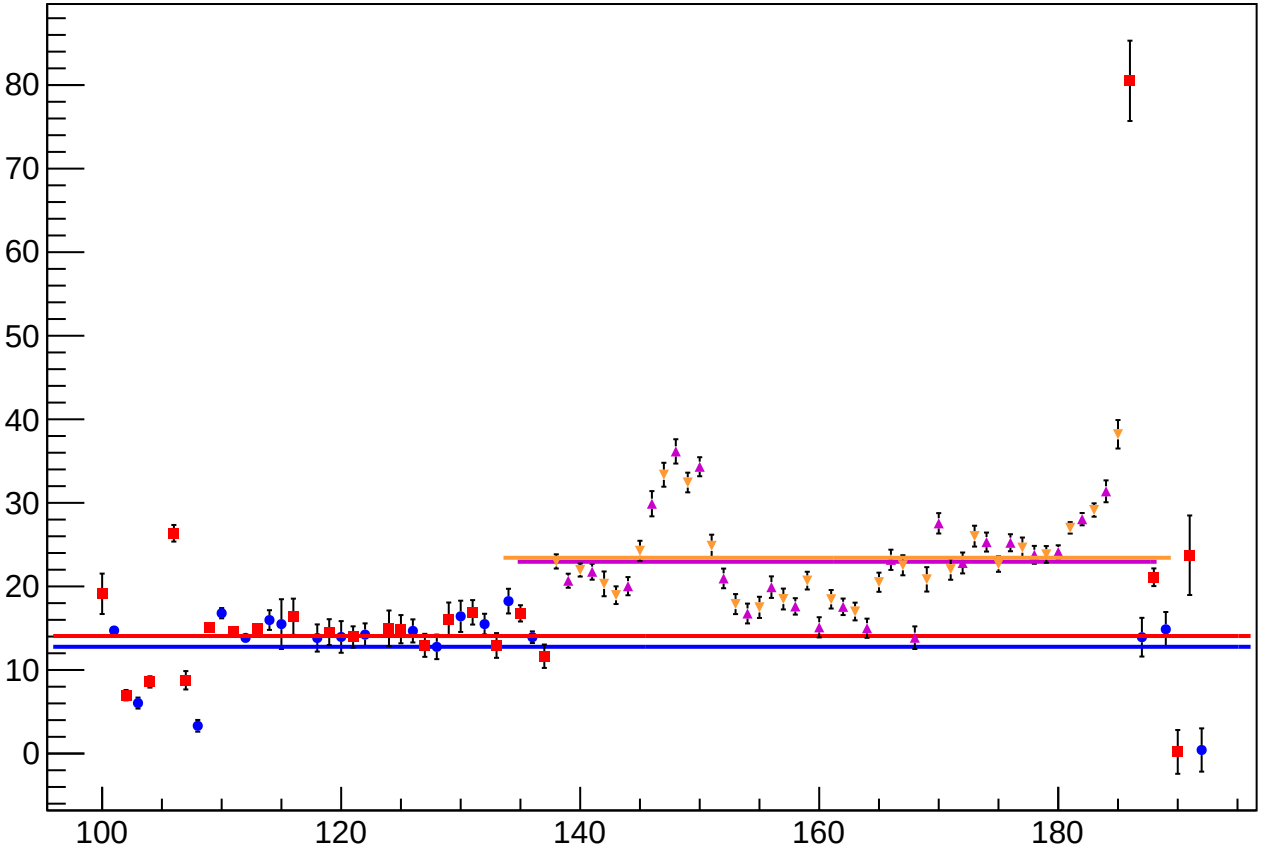
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.262+/-0.007 χ^2/NDF: 3631.3/43

All: -0.236+/-0.005 χ^2/NDF: 7633.2/89

- sign -0.209+/-0.007 χ^2/NDF: 3971.6/45

reg_asym_sam6_diff_bpm1X_slope vs Slug



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

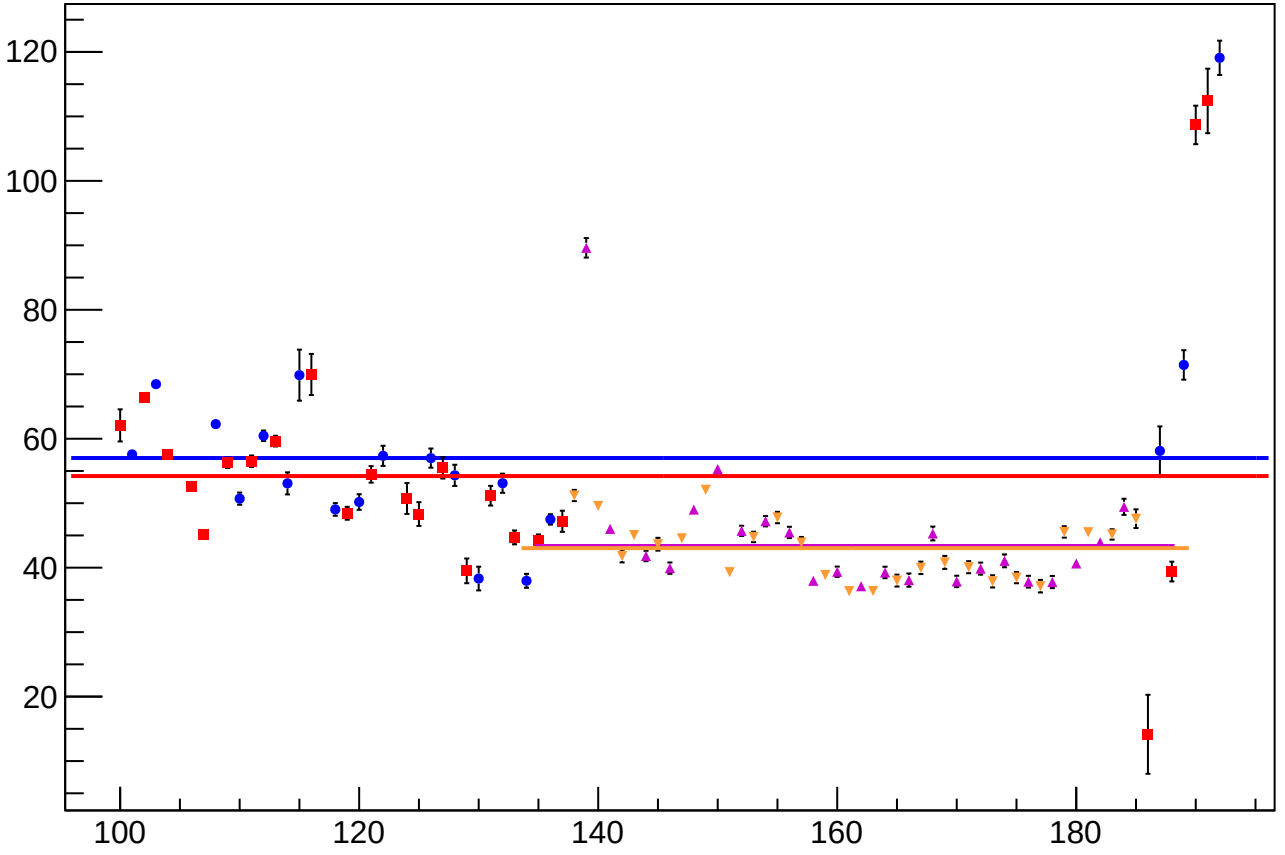
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

\+ sign 17.990+/-0.151 χ^2/NDF: 2084.4/43

All: 17.979+/-0.106 χ^2/NDF: 4194.5/89

\- sign 17.968+/-0.149 χ^2/NDF: 2110.1/45

reg_asym_sam6_diff_bpm4aY_slope vs Slug



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

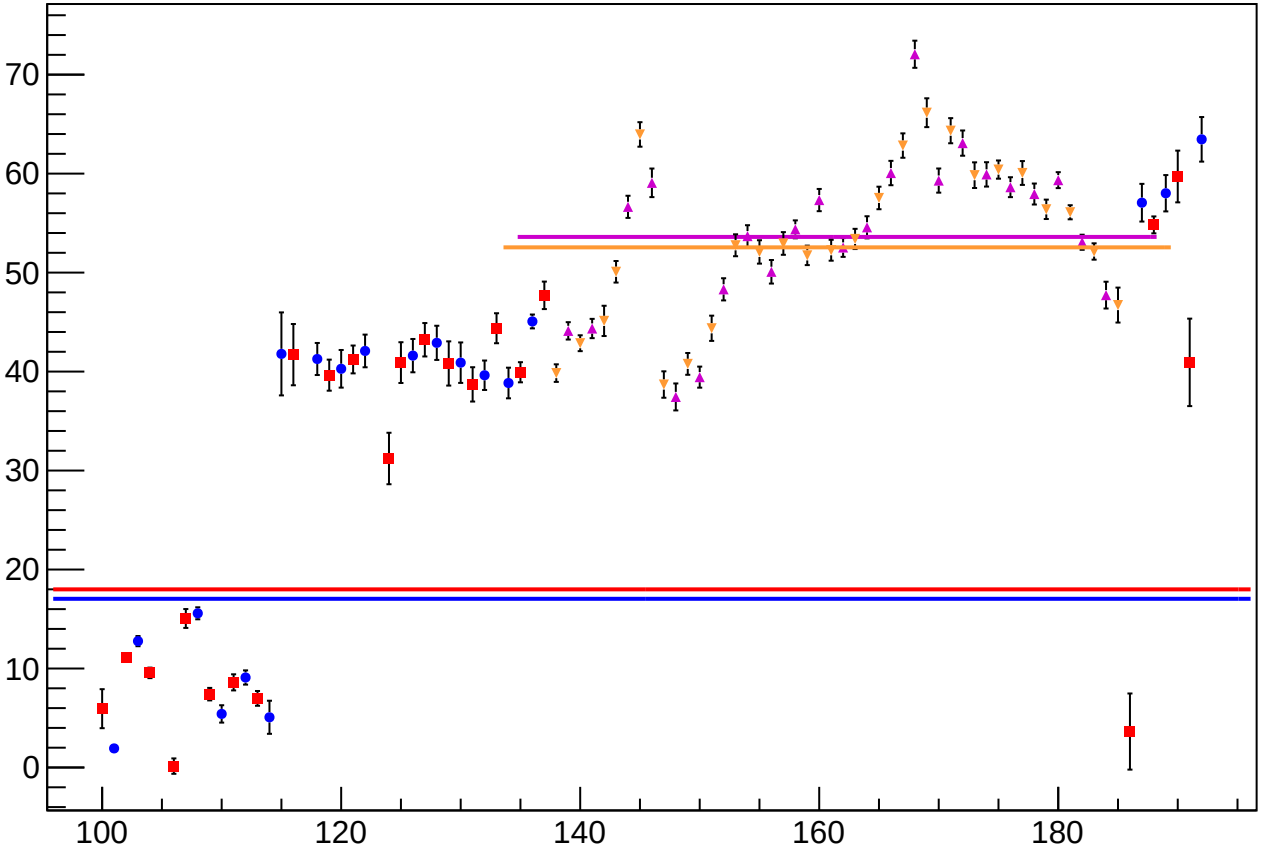
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 48.161+/-0.133 χ^2/NDF: 5023.3/43

All: 47.890+/-0.096 χ^2/NDF: 9791.7/89

- sign 47.598+/-0.138 χ^2/NDF: 4759.9/45

reg_asym_sam6_diff_bpm4eX_slope vs Slug



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

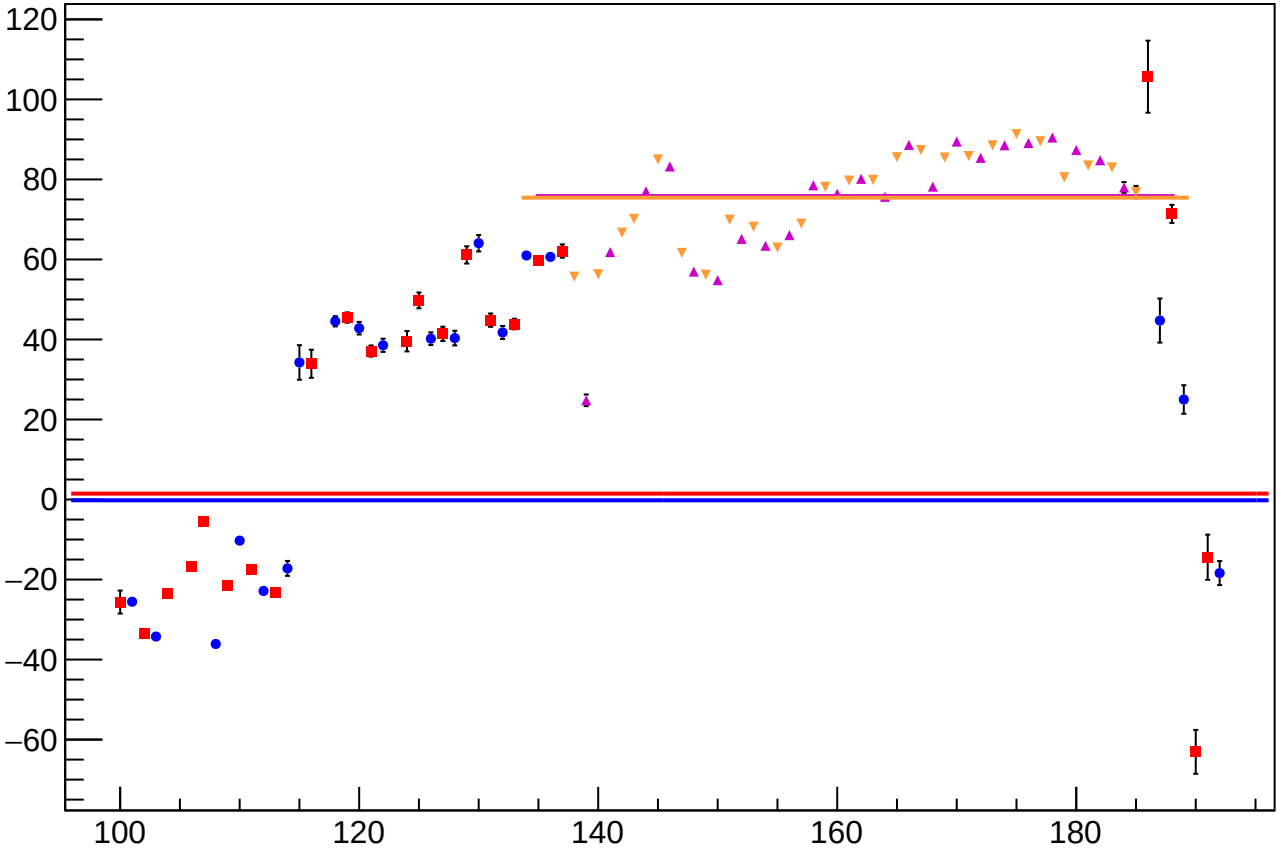
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 34.440+/-0.150 χ^2/NDF: 21740.8/43

All: 34.629+/-0.107 χ^2/NDF: 42399.3/89

- sign 34.826+/-0.153 χ^2/NDF: 20655.3/45

reg_asym_sam6_diff_bpm4eY_slope vs Slug



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

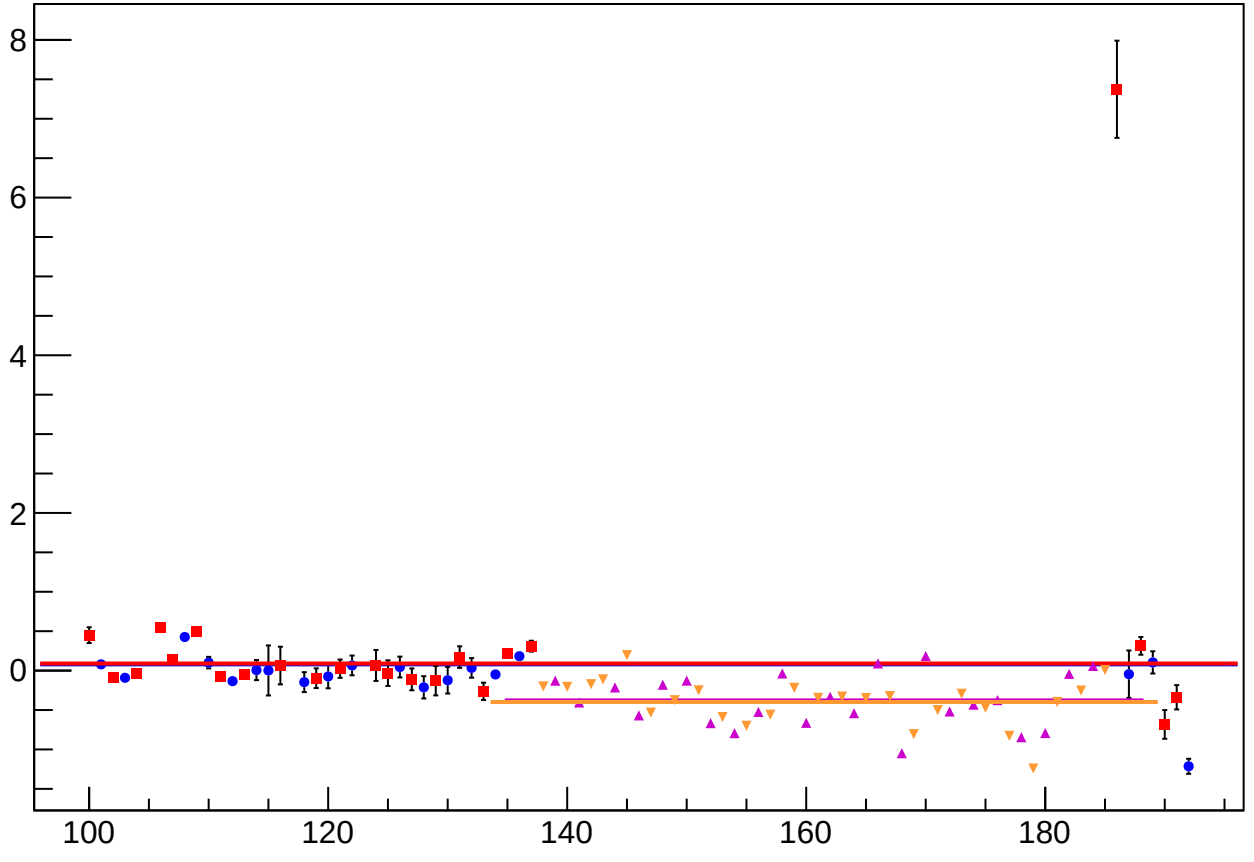
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 49.341+/-0.152 χ^2/NDF: 80325.9/43

All: 49.094+/-0.109 χ^2/NDF: 153489.0/89

- sign 48.831+/-0.157 χ^2/NDF: 73157.7/45

reg_asym_sam6_diff_bpm12X_slope vs Slug



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

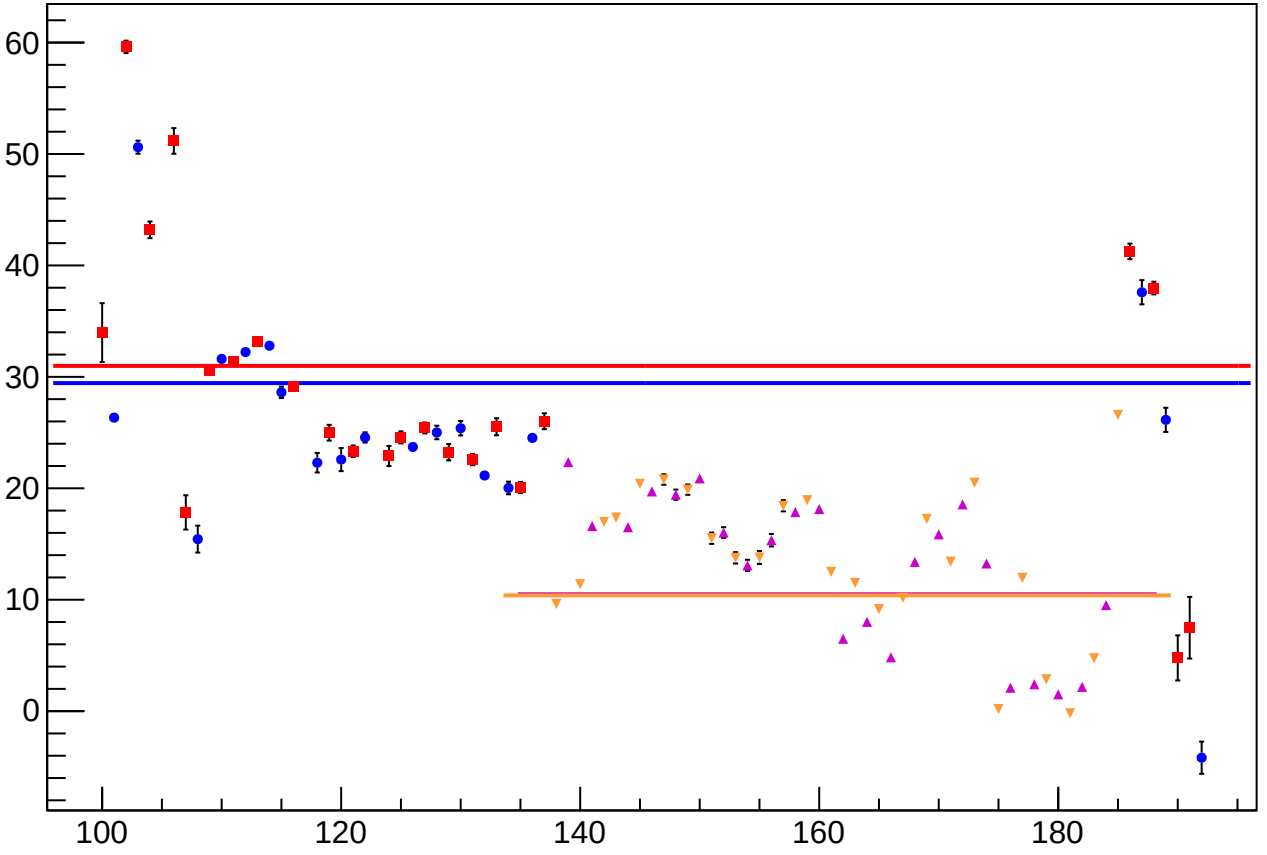
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.224+/-0.007 χ^2/NDF: 2692.0/43

All: -0.215+/-0.005 χ^2/NDF: 5703.1/89

- sign -0.206+/-0.007 χ^2/NDF: 3007.5/45

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.440+/-0.091 χ^2/NDF: 3980.3/18

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.985+/-0.079 χ^2/NDF: 5691.3/22

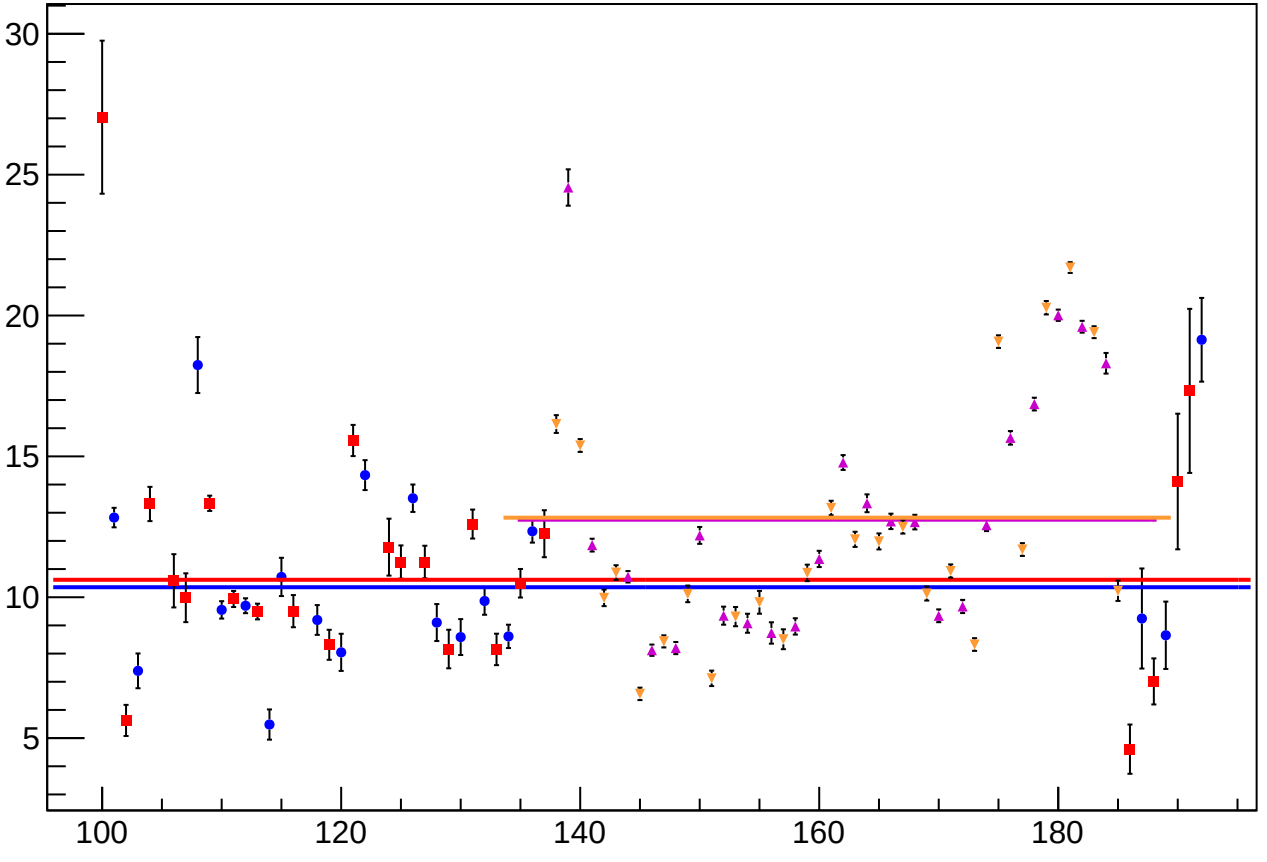
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.700+/-0.052 χ^2/NDF: 47006.6/43

All: 17.914+/-0.037 χ^2/NDF: 104629.0/89

- sign 19.060+/-0.051 χ^2/NDF: 56580.7/45

reg_asym_sam7_diff_bpm4aY_slope vs Slug



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

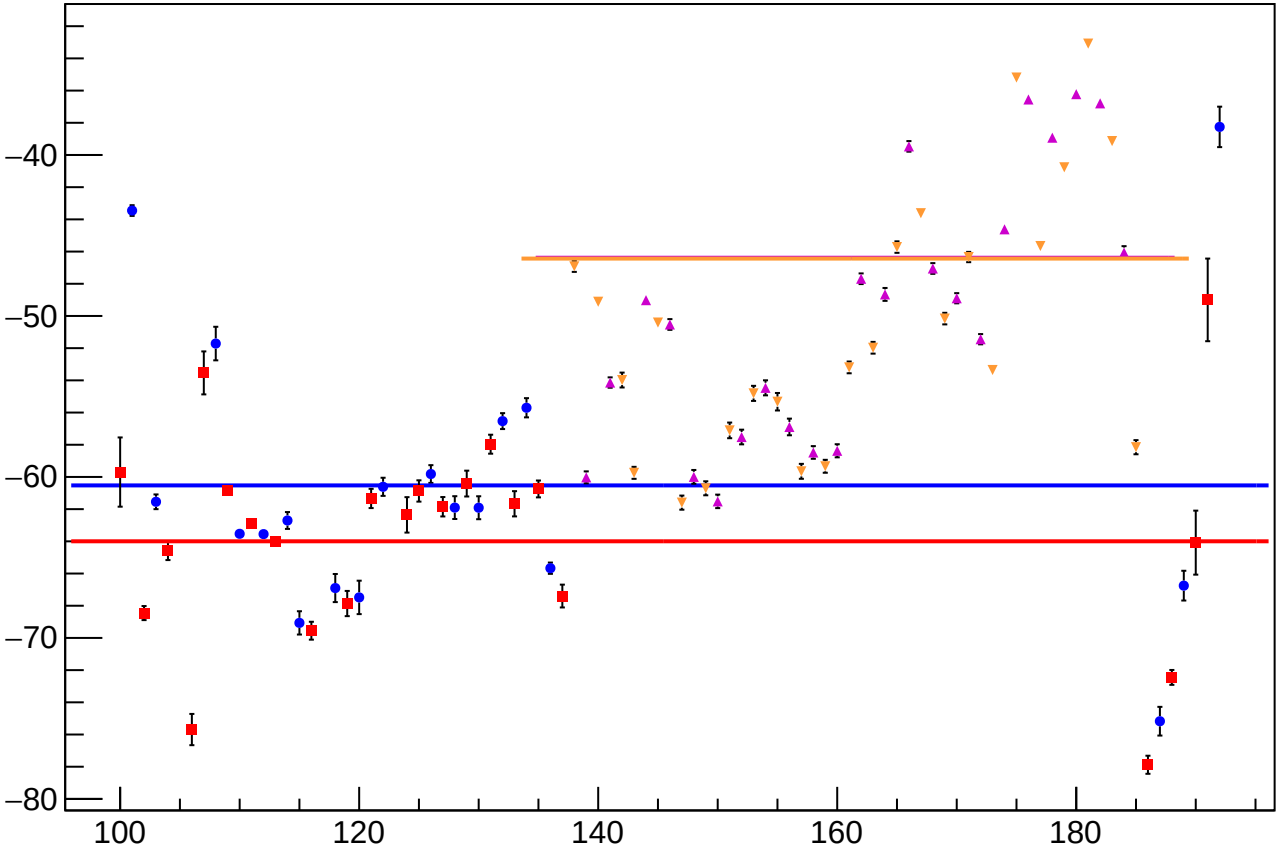
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.405+/-0.047 χ^2/NDF: 8853.8/43

All: 12.381+/-0.033 χ^2/NDF: 15150.5/89

- sign 12.356+/-0.048 χ^2/NDF: 6296.2/45

reg_asym_sam7_diff_bpm4eX_slope vs Slug



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

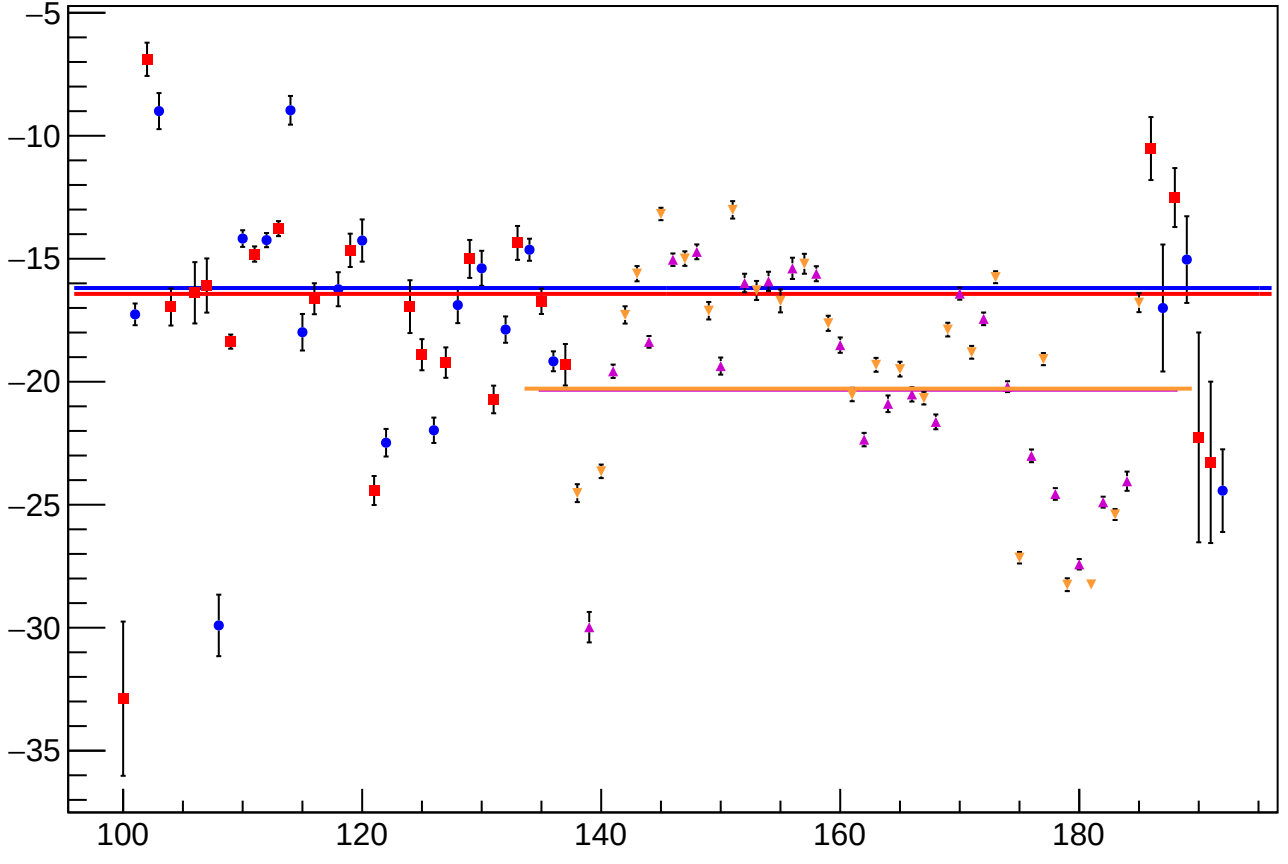
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -49.992+/-0.056 χ^2/NDF: 34475.8/43

All: -50.809+/-0.039 χ^2/NDF: 72617.9/89

- sign -51.634+/-0.056 χ^2/NDF: 37709.8/45

reg_asym_sam7_diff_bpm4eY_slope vs Slug



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

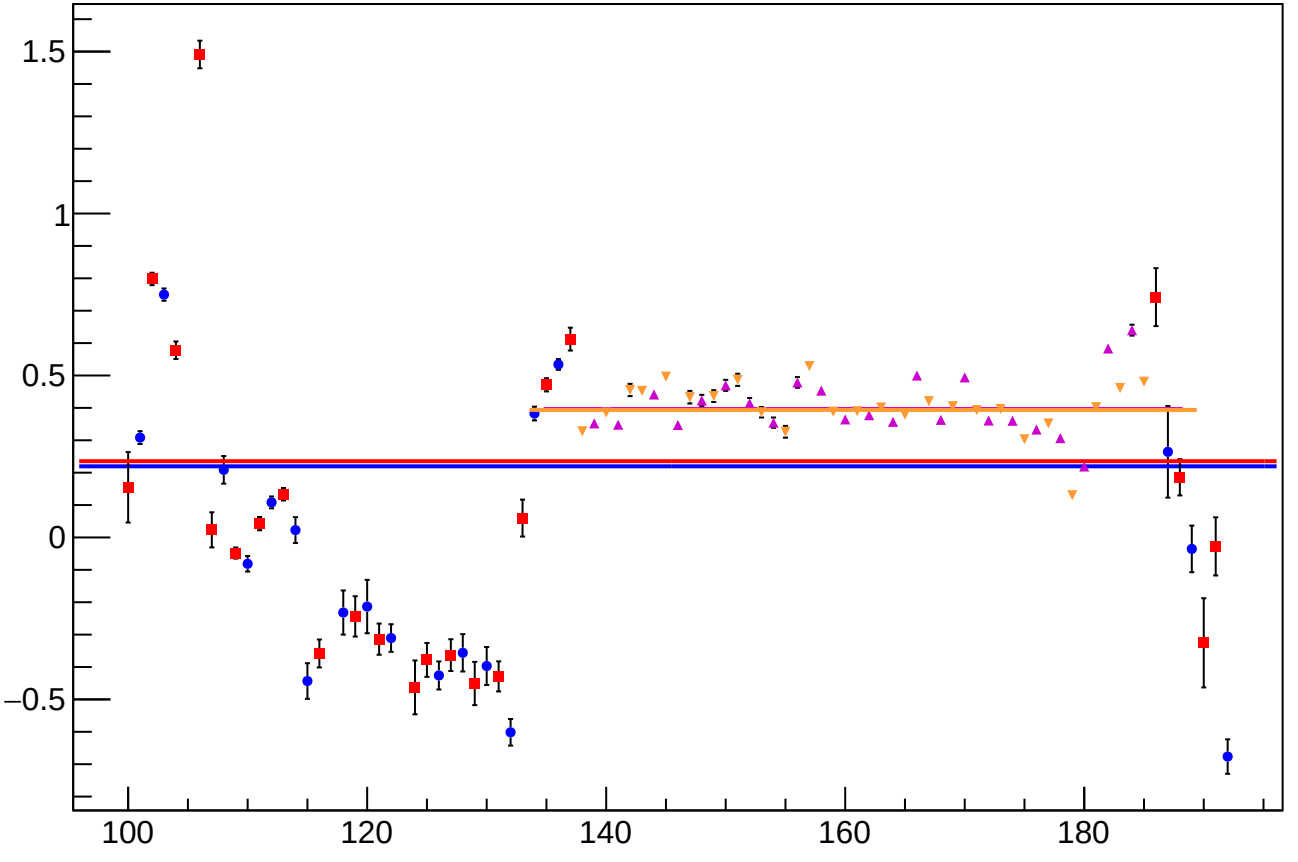
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.588+/-0.052 χ^2/NDF: 8712.2/43

All: -19.592+/-0.037 χ^2/NDF: 14520.7/89

- sign -19.596+/-0.053 χ^2/NDF: 5808.4/45

reg_asym_sam7_diff_bpm12X_slope vs Slug



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

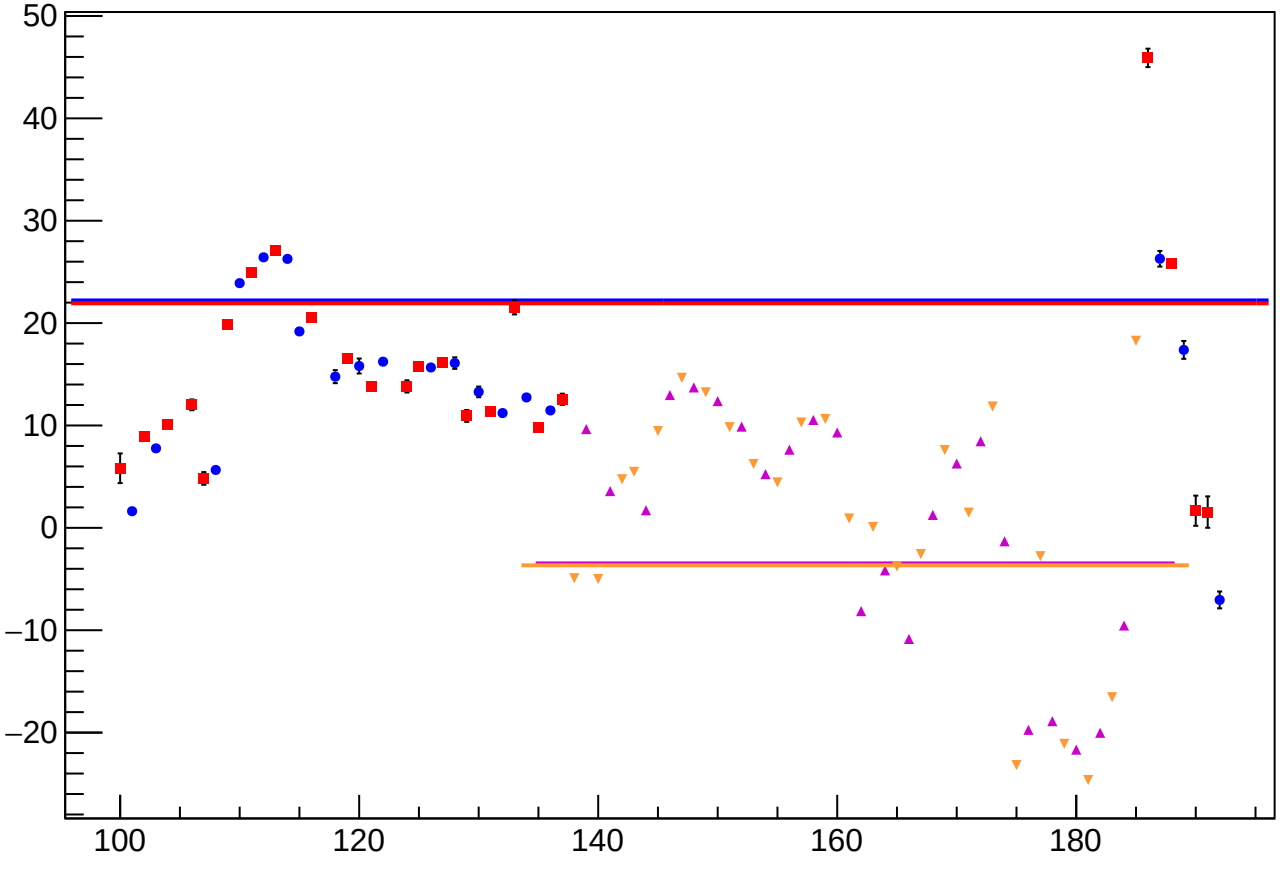
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.373+/-0.002 χ^2/NDF: 4434.0/43

All: 0.375+/-0.002 χ^2/NDF: 9850.9/89

- sign 0.377+/-0.002 χ^2/NDF: 5415.7/45

reg_asym_sam8_diff_bpm1X_slope vs Slug



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

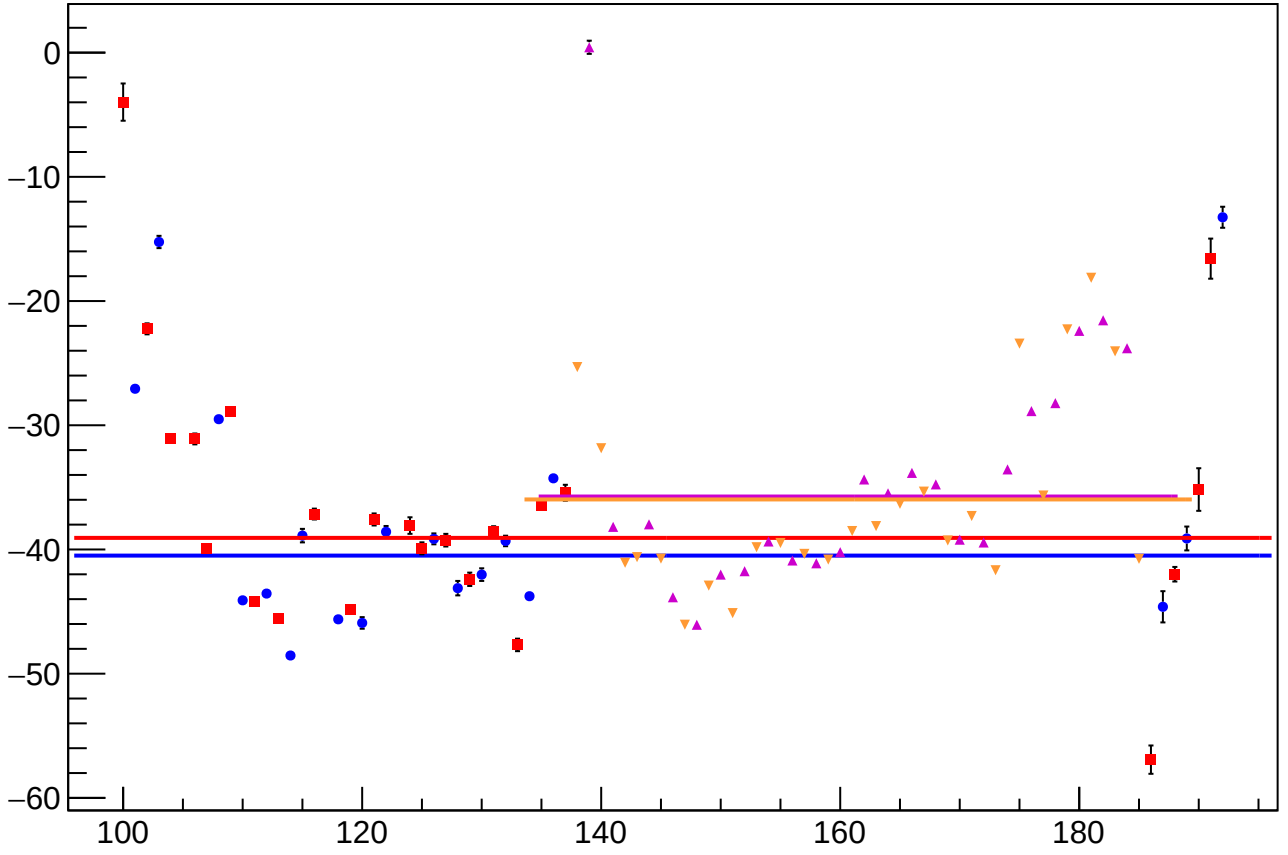
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.899+/-0.039 χ^2/NDF: 179661.1/43

All: 10.600+/-0.026 χ^2/NDF: 359603.0/89

- sign 12.028+/-0.036 χ^2/NDF: 176465.4/45

reg_asym_sam8_diff_bpm4aY_slope vs Slug



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

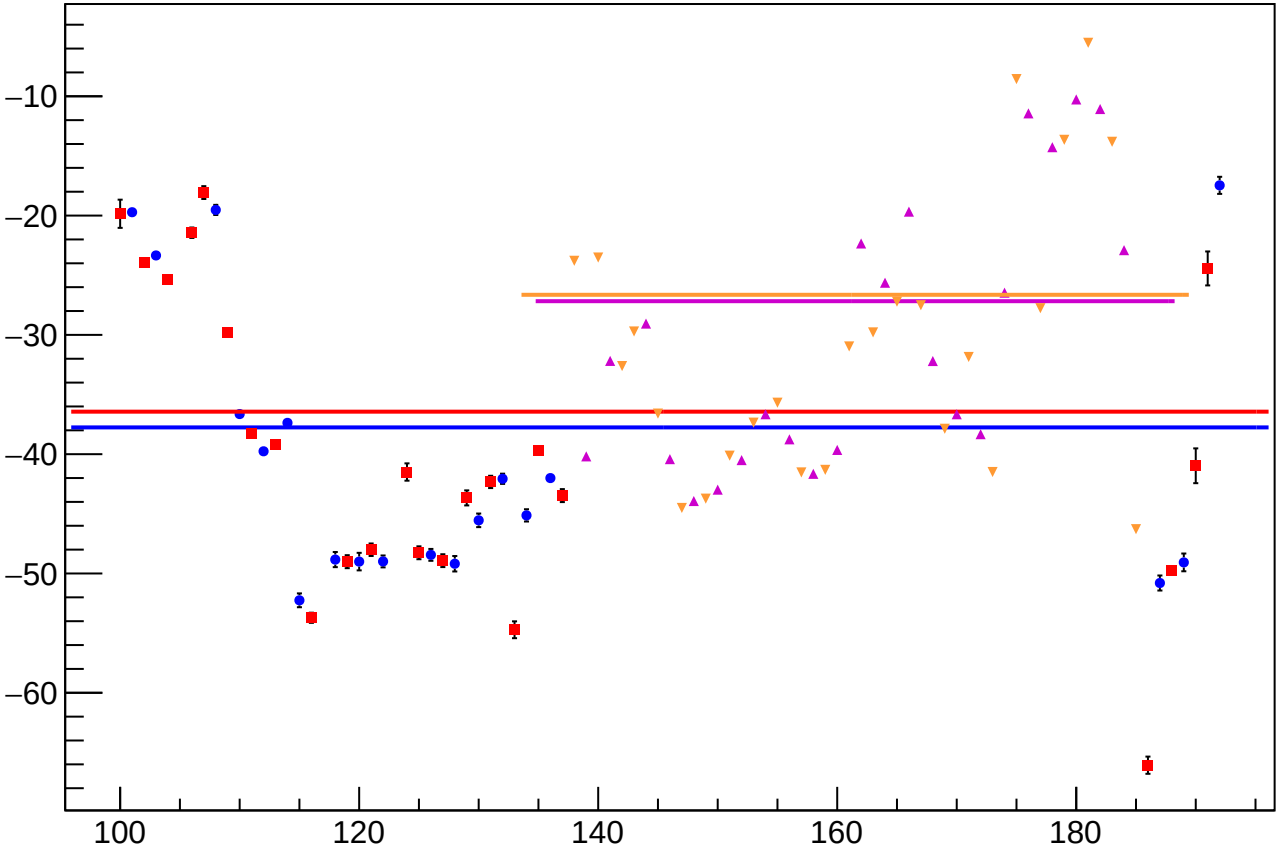
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -37.051+/-0.037 χ^2/NDF: 45152.3/43

All: -36.881+/-0.026 χ^2/NDF: 84515.5/89

- sign -36.704+/-0.038 χ^2/NDF: 39320.0/45

reg_asym_sam8_diff_bpm4eX_slope vs Slug



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

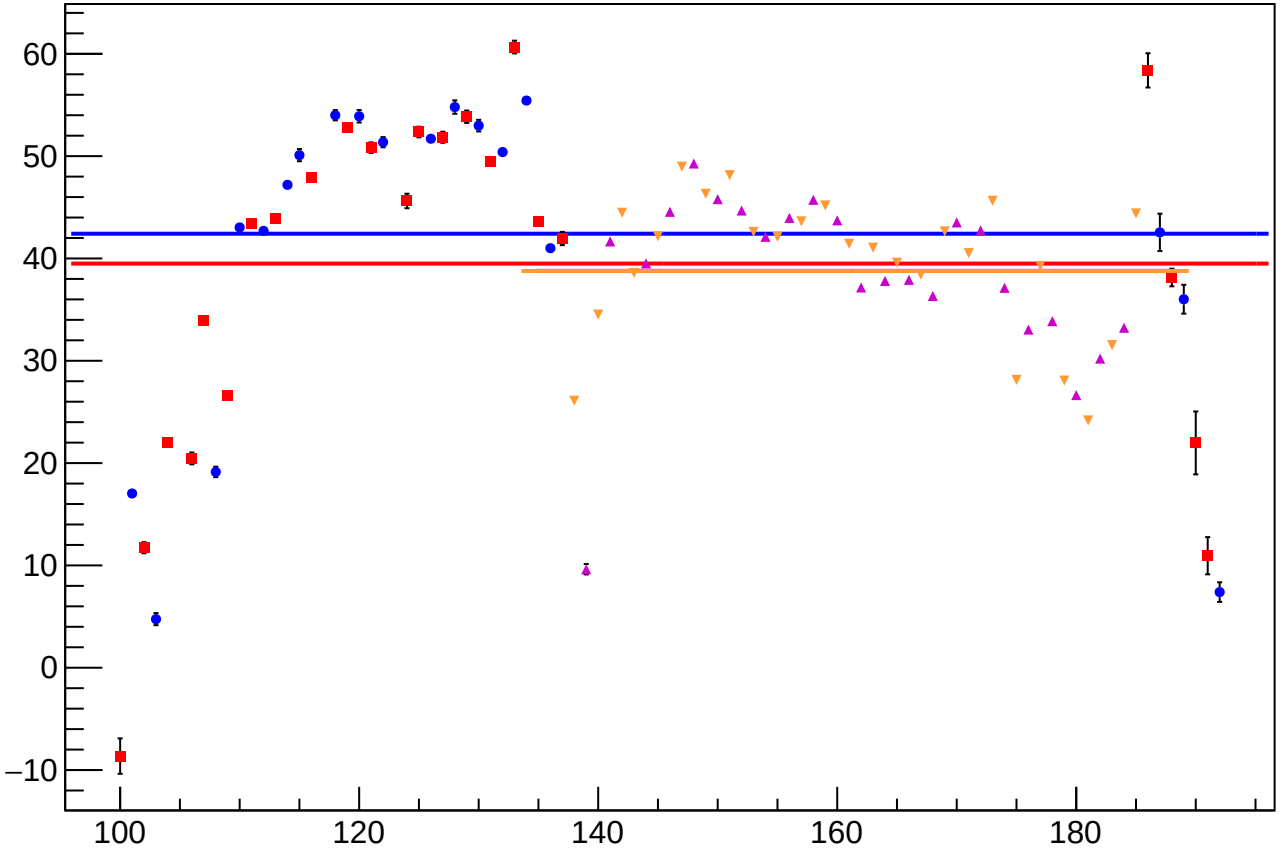
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.659+/-0.044 χ^2/NDF: 77368.4/43

All: -31.030+/-0.030 χ^2/NDF: 147170.7/89

- sign -31.378+/-0.042 χ^2/NDF: 69662.4/45

reg_asym_sam8_diff_bpm4eY_slope vs Slug



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

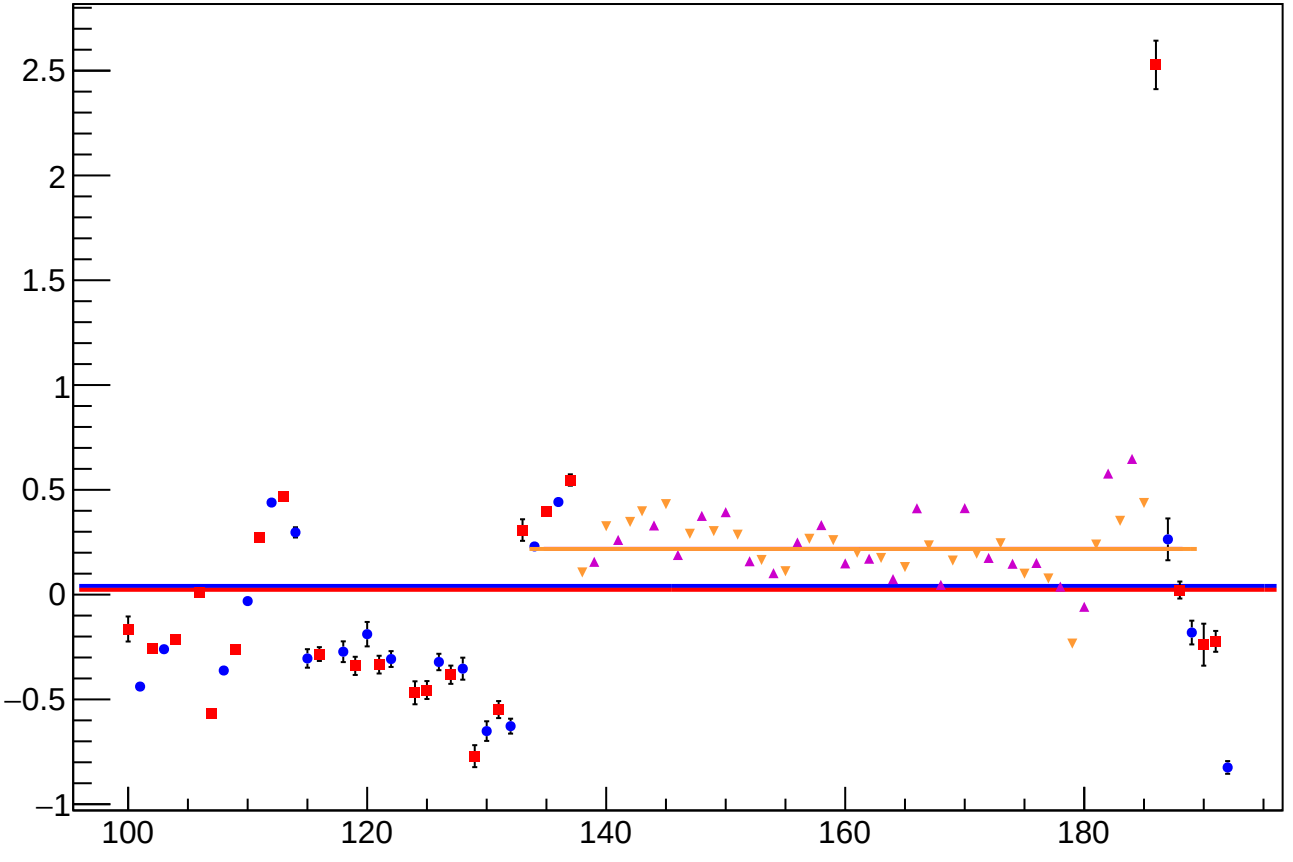
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

\+ sign 39.658+/-0.042 χ^2/NDF: 38613.5/43

All: 39.334+/-0.030 χ^2/NDF: 73423.5/89

\- sign 39.000+/-0.042 χ^2/NDF: 34686.3/45

reg_asym_sam8_diff_bpm12X_slope vs Slug



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

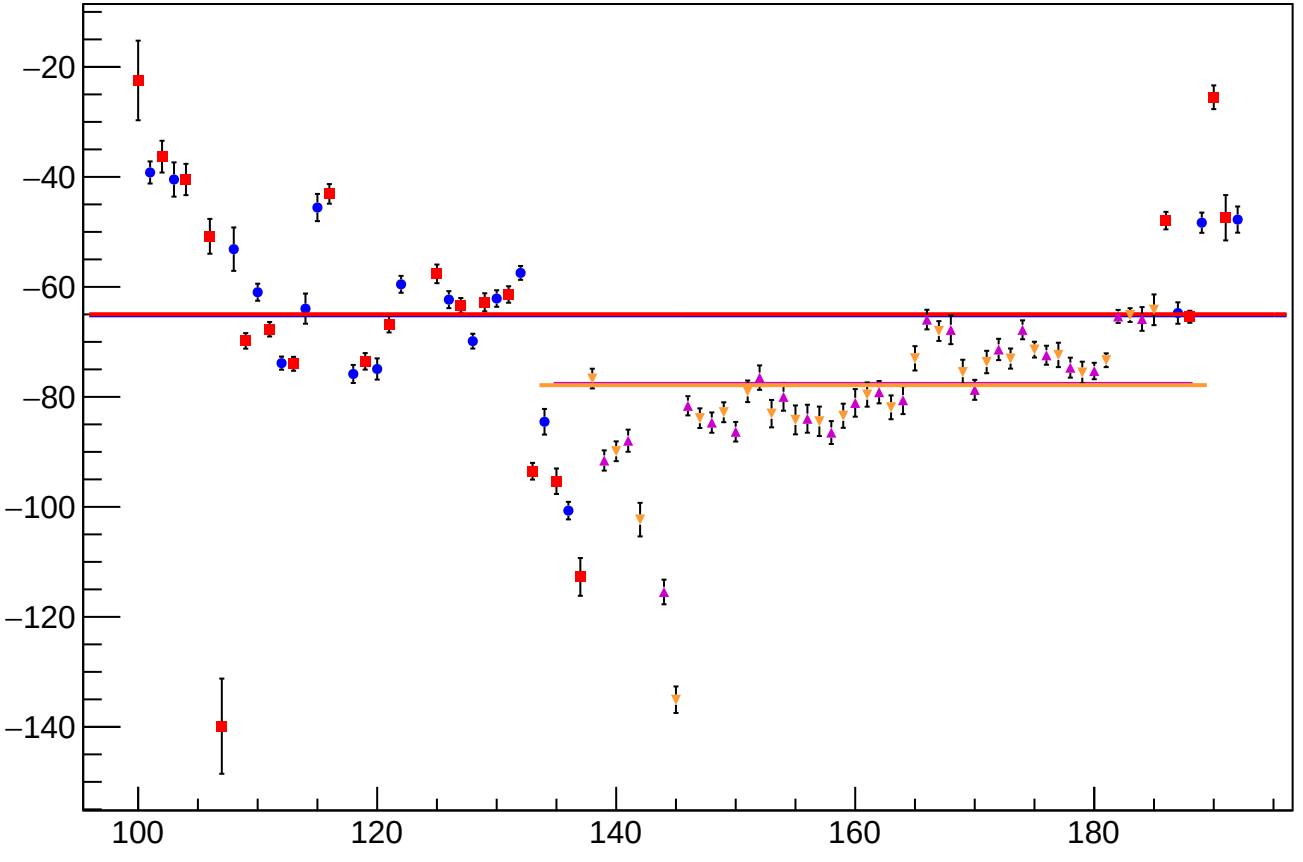
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.188+/-0.002 χ^2/NDF: 11573.4/43

All: 0.183+/-0.001 χ^2/NDF: 25408.8/89

- sign 0.177+/-0.002 χ^2/NDF: 13821.0/45

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -65.166+/-0.400 χ^2/NDF: 1201.9/18

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -64.971+/-0.373 χ^2/NDF: 1766.3/21

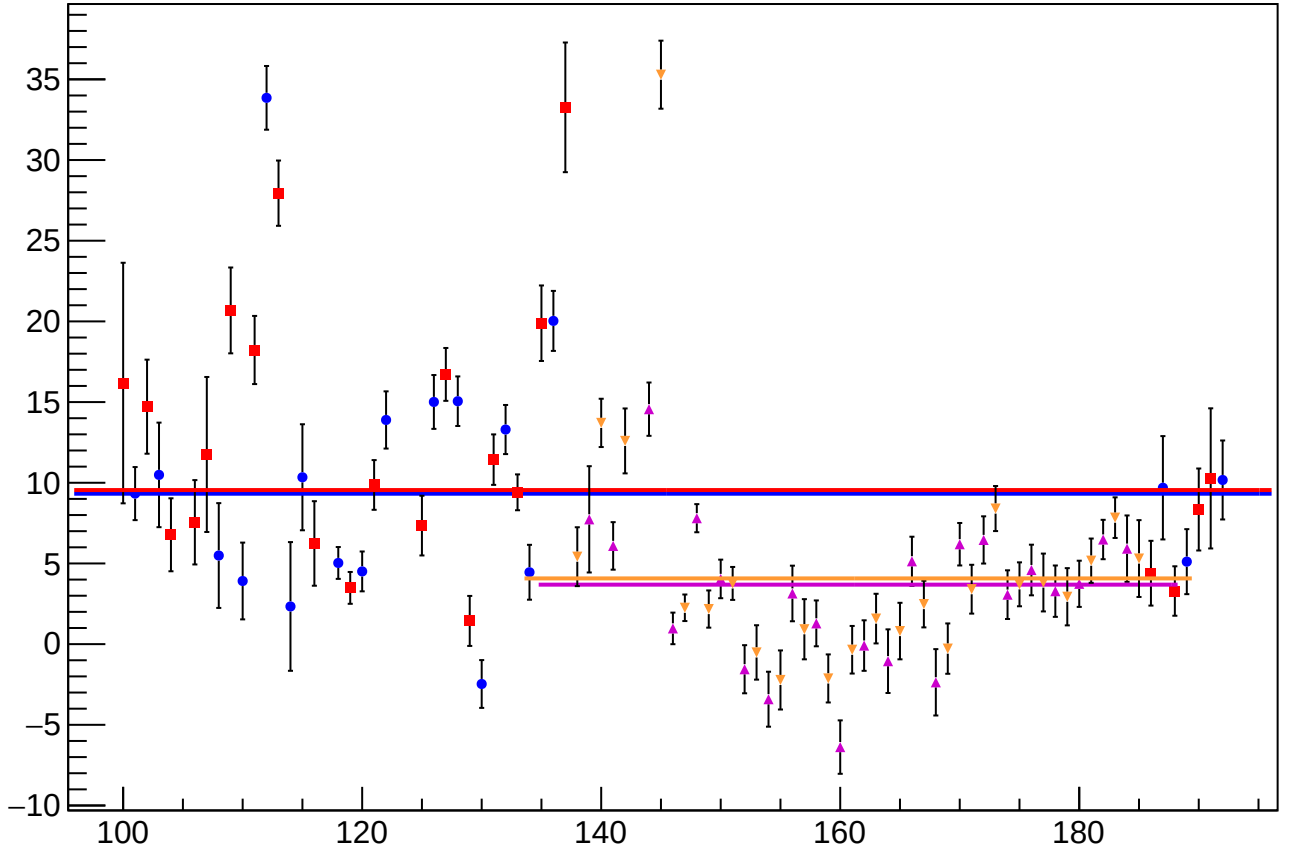
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -71.615+/-0.281 χ^2/NDF: 2645.6/42

All: -71.256+/-0.195 χ^2/NDF: 5650.4/87

- sign -70.920+/-0.272 χ^2/NDF: 3001.6/44

reg_asym_usl_diff_bpm4aY_slope vs Slug



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

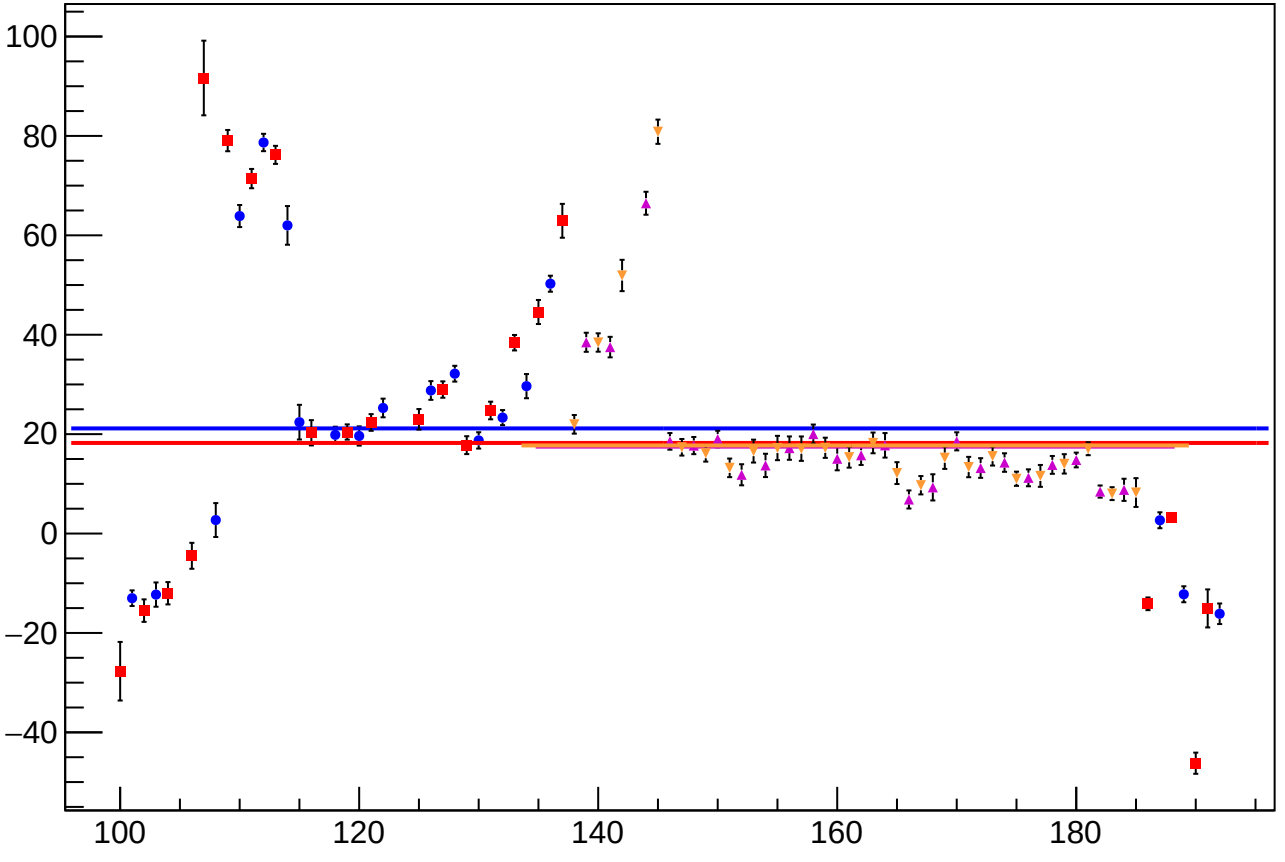
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 5.881+/-0.240 χ^2/NDF: 824.9/42

All: 5.836+/-0.170 χ^2/NDF: 1433.2/87

- sign 5.790+/-0.242 χ^2/NDF: 608.2/44

reg_asym_usl_diff_bpm4eX_slope vs Slug



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

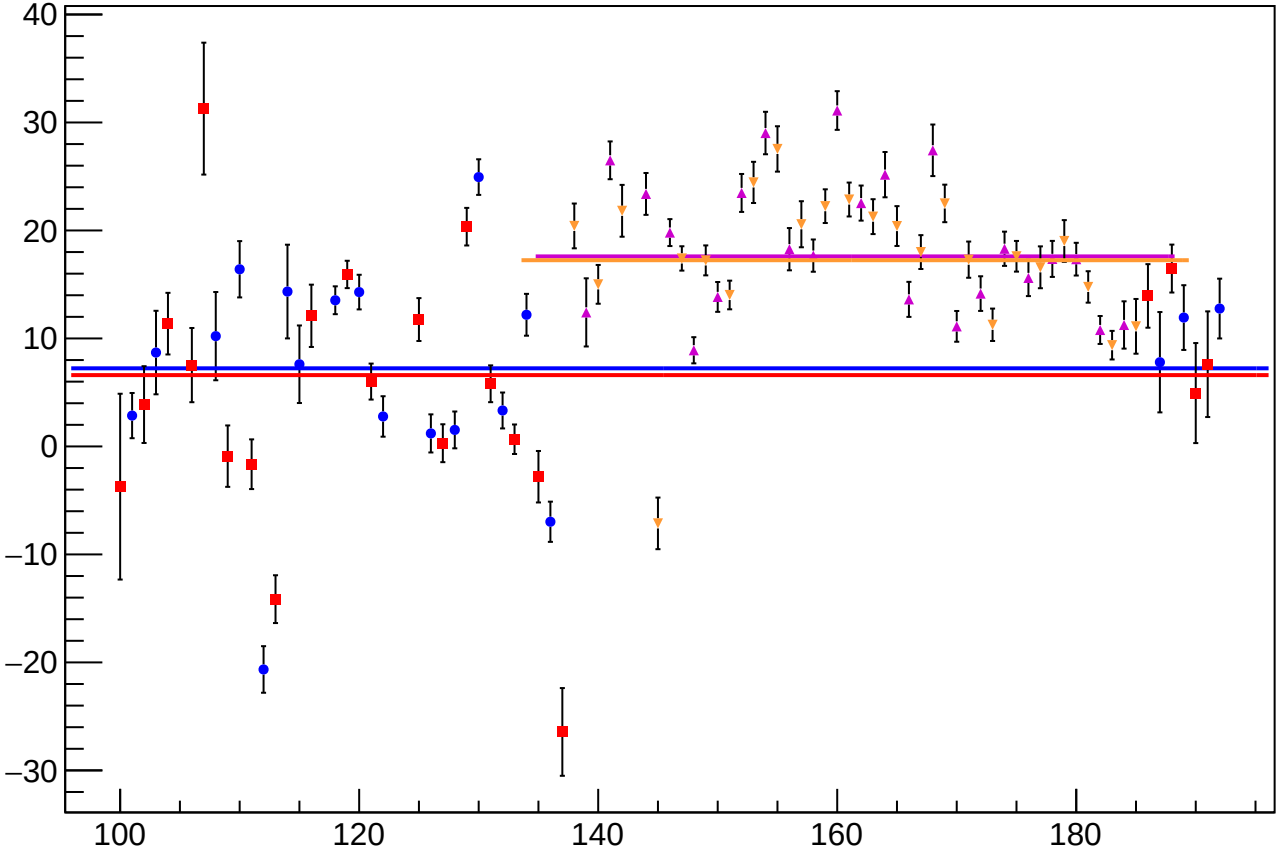
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 19.260+/-0.291 χ^2/NDF: 4648.5/42

All: 18.529+/-0.201 χ^2/NDF: 11141.0/87

- sign 17.857+/-0.279 χ^2/NDF: 6480.4/44

reg_asym_usl_diff_bpm4eY_slope vs Slug



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

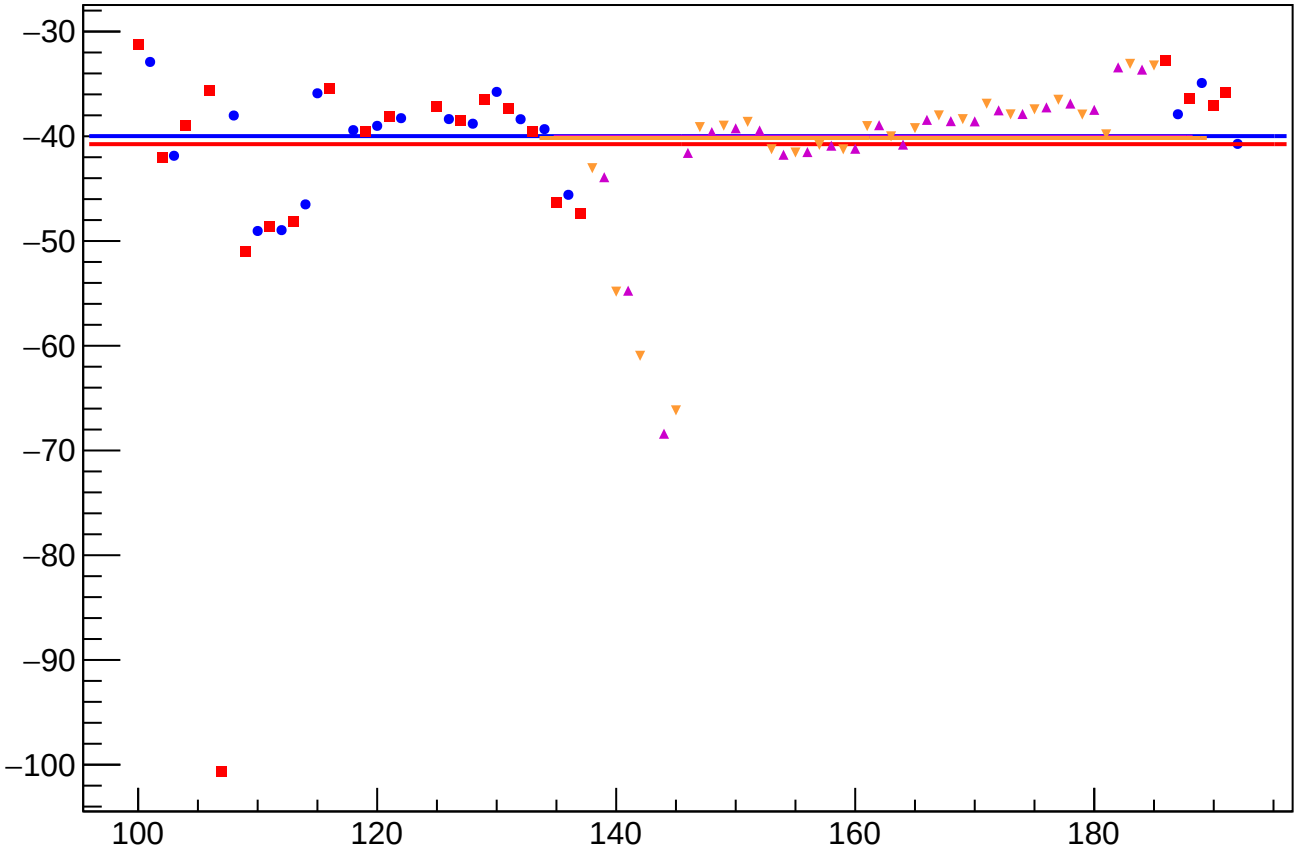
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.915+/-0.276 χ^2/NDF: 1003.6/42

All: 13.893+/-0.196 χ^2/NDF: 2058.9/87

- sign 13.871+/-0.278 χ^2/NDF: 1055.2/44

reg_asym_usl_diff_bpm12X_slope vs Slug



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

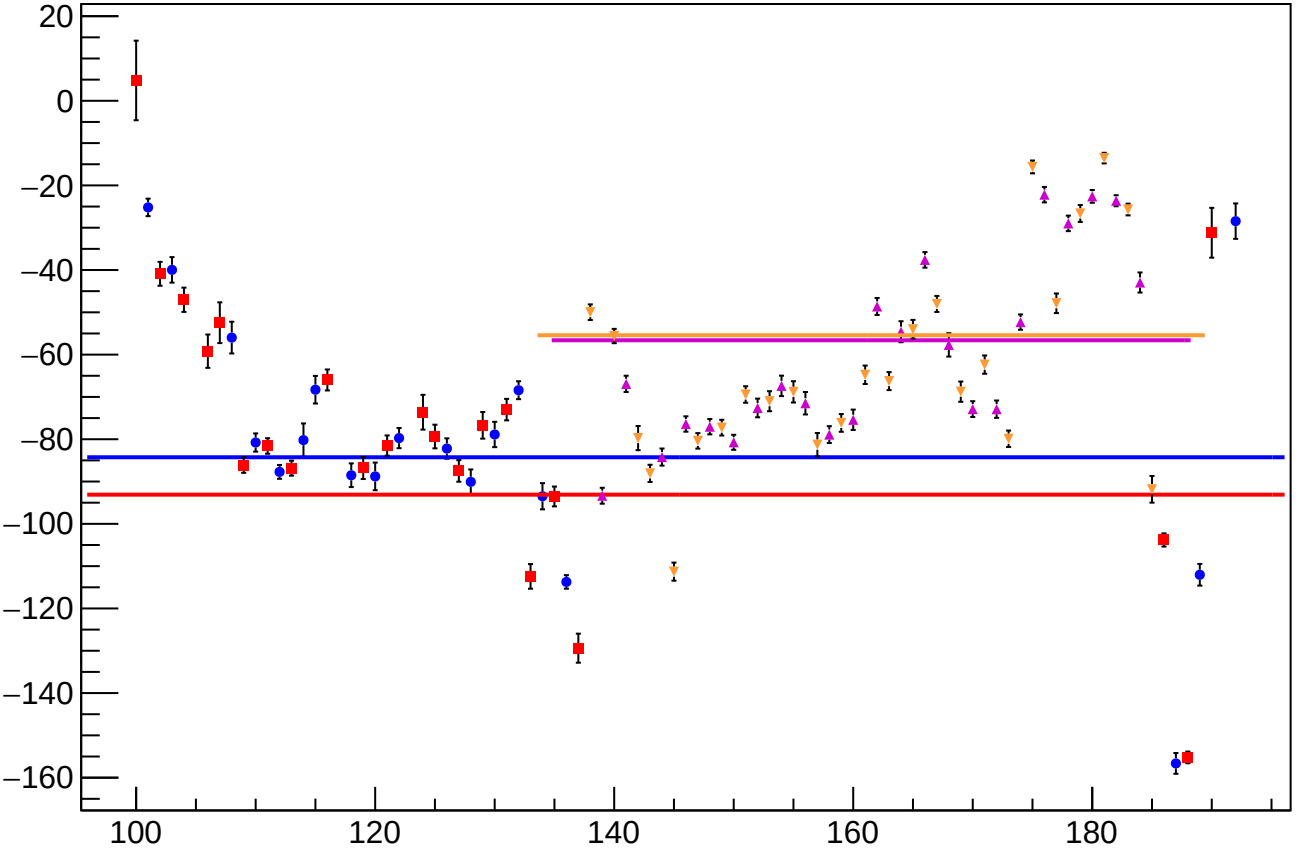
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.123+/-0.014 χ^2/NDF: 186184.7/42

All: -40.164+/-0.010 χ^2/NDF: 388528.5/87

- sign -40.205+/-0.014 χ^2/NDF: 202325.9/44

reg_asym_usr_diff_bpm1X_slope vs Slug



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

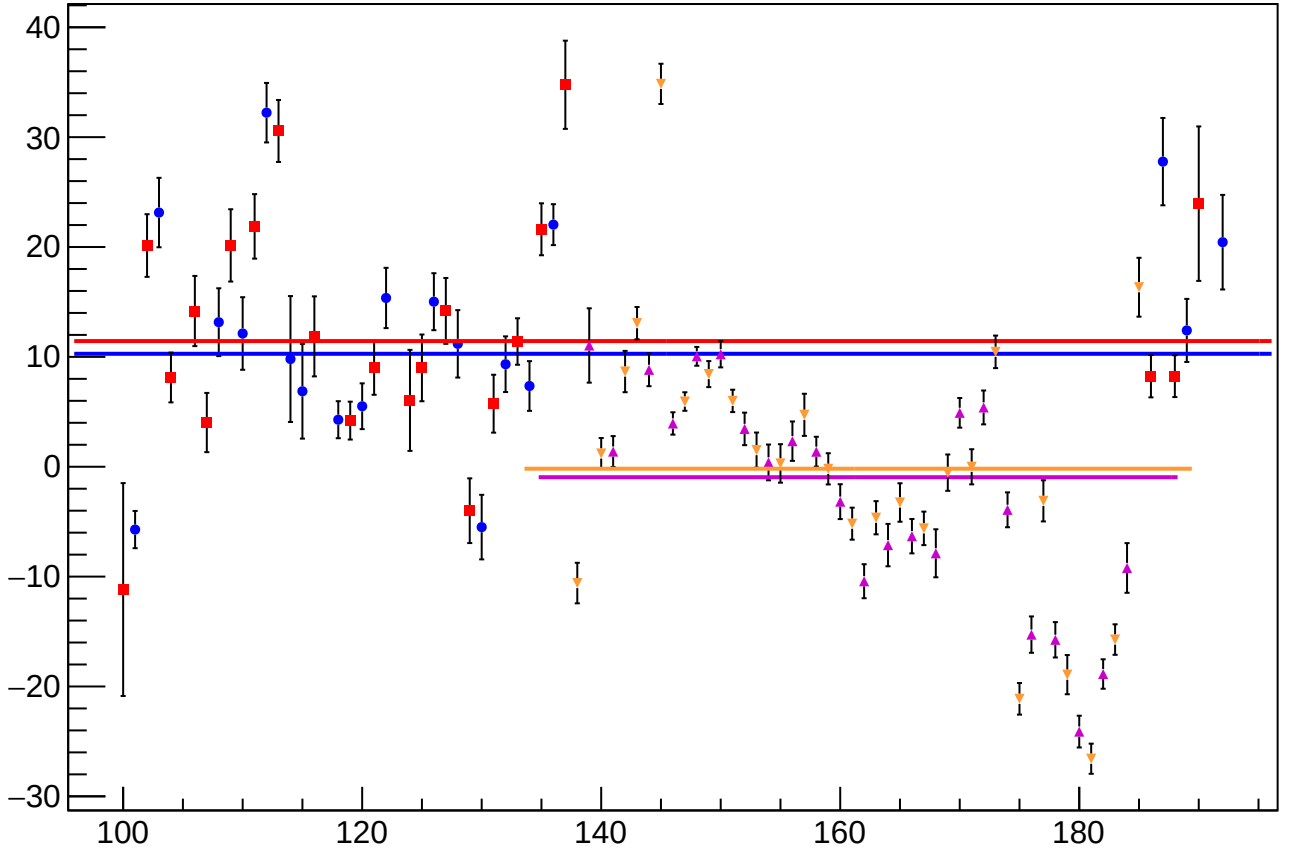
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.675+/-0.324 χ^2/NDF: 8955.3/43

All: -67.557+/-0.227 χ^2/NDF: 19075.2/88

- sign -70.345+/-0.319 χ^2/NDF: 9964.5/44

reg_asym_usr_diff_bpm4aY_slope vs Slug



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

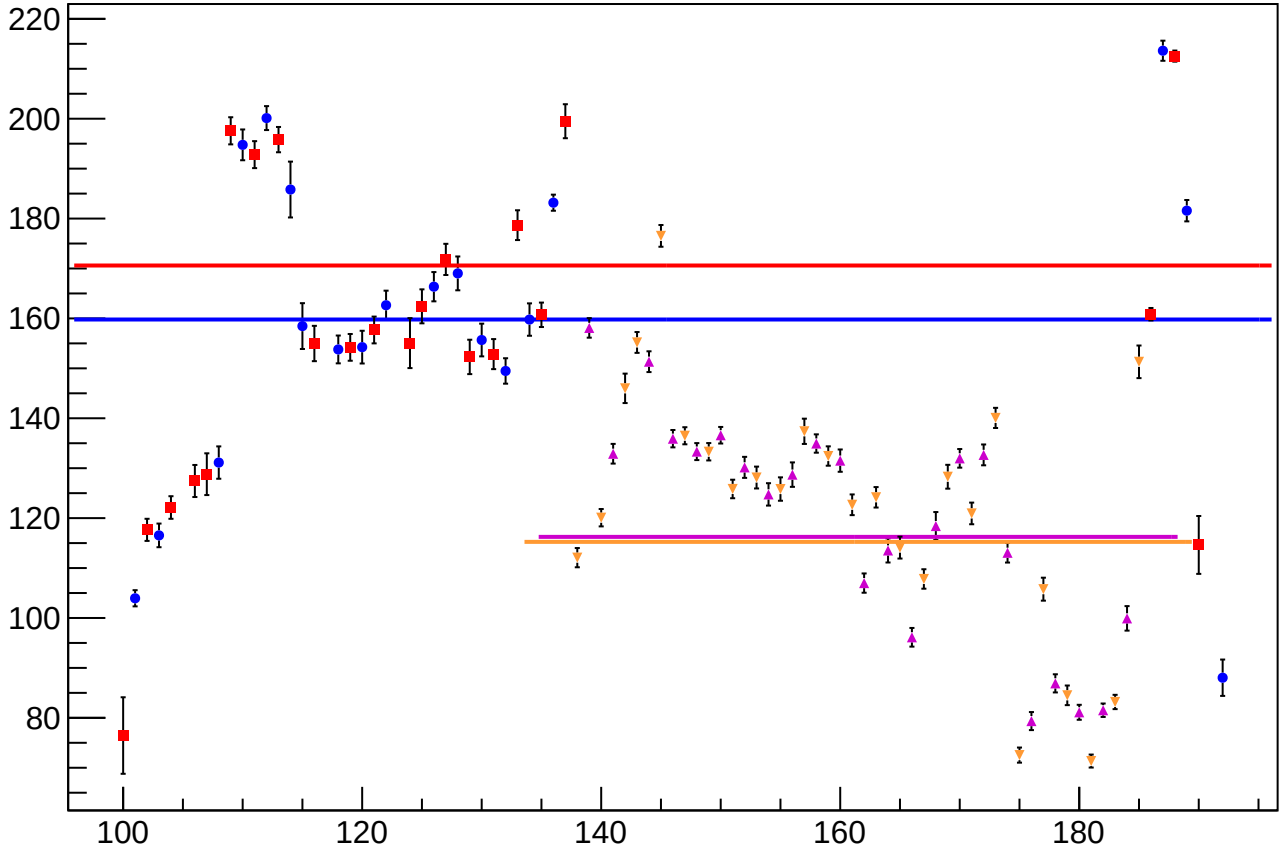
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 1.878+/-0.264 χ^2/NDF: 2141.2/43

All: 1.820+/-0.188 χ^2/NDF: 3779.9/88

- sign 1.761+/-0.269 χ^2/NDF: 1638.6/44

reg_asym_usr_diff_bpm4eX_slope vs Slug



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

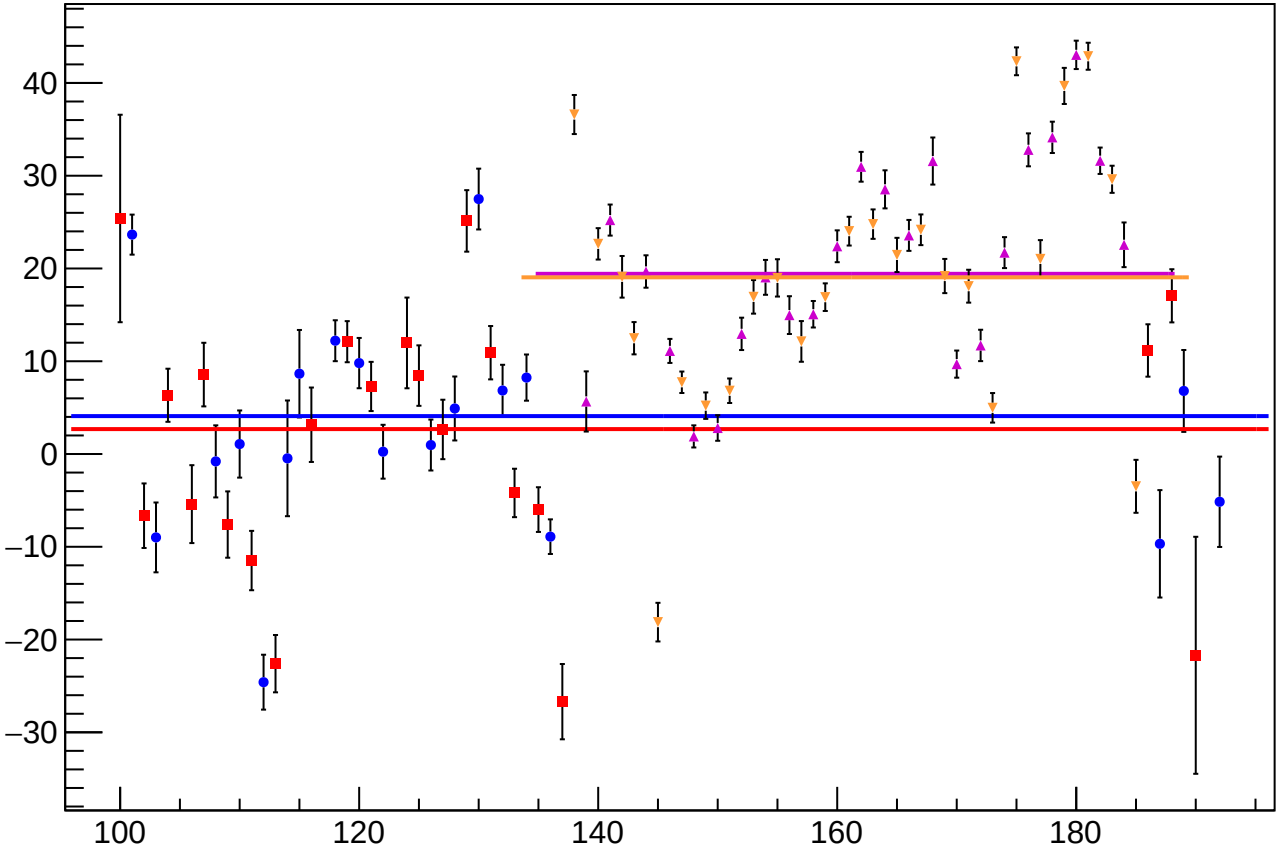
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.642+/-0.326 χ^2/NDF: 12242.8/43

All: 132.504+/-0.228 χ^2/NDF: 26510.6/88

- sign 136.163+/-0.318 χ^2/NDF: 13995.2/44

reg_asym_usr_diff_bpm4eY_slope vs Slug



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

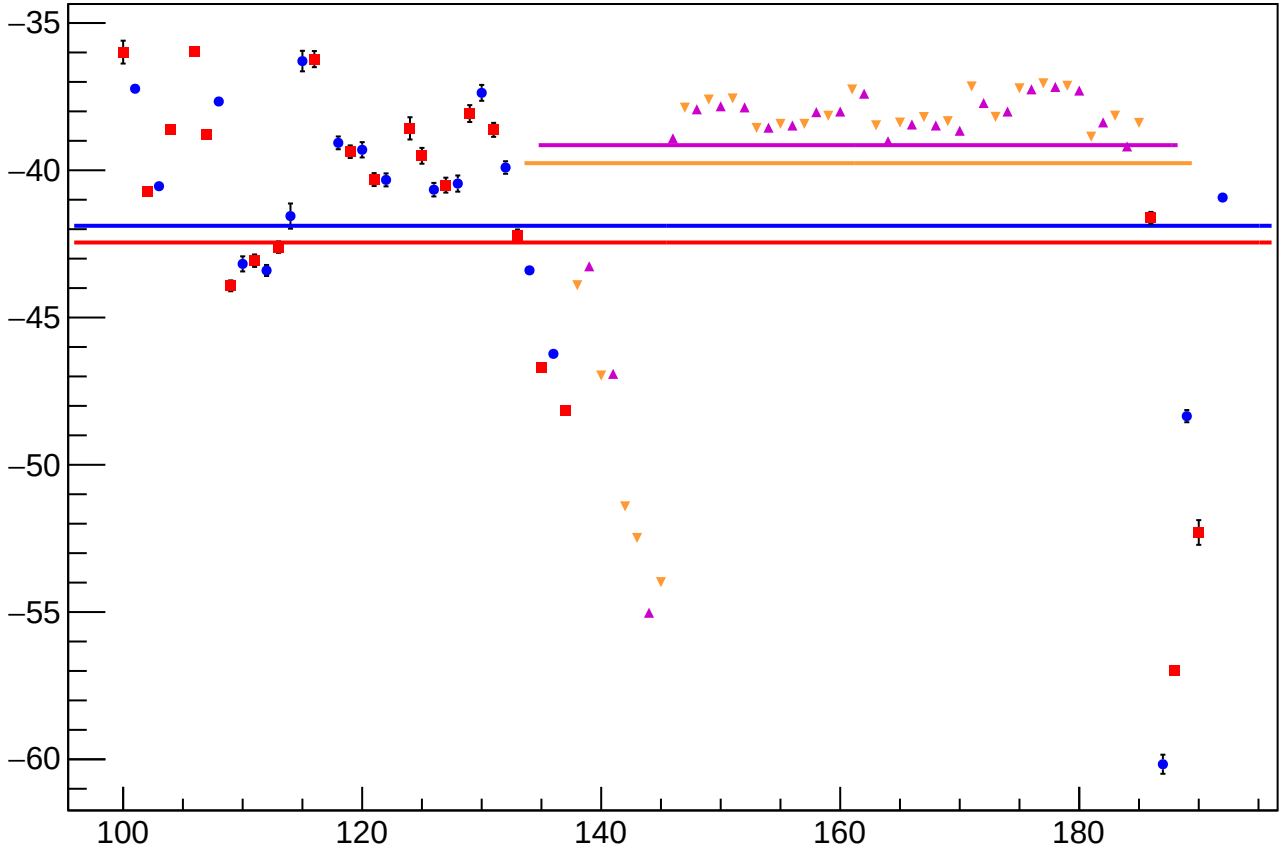
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 16.194+/-0.302 χ^2/NDF: 2249.3/43

All: 16.118+/-0.216 χ^2/NDF: 4107.3/88

- sign 16.039+/-0.309 χ^2/NDF: 1857.9/44

reg_asym_usr_diff_bpm12X_slope vs Slug



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

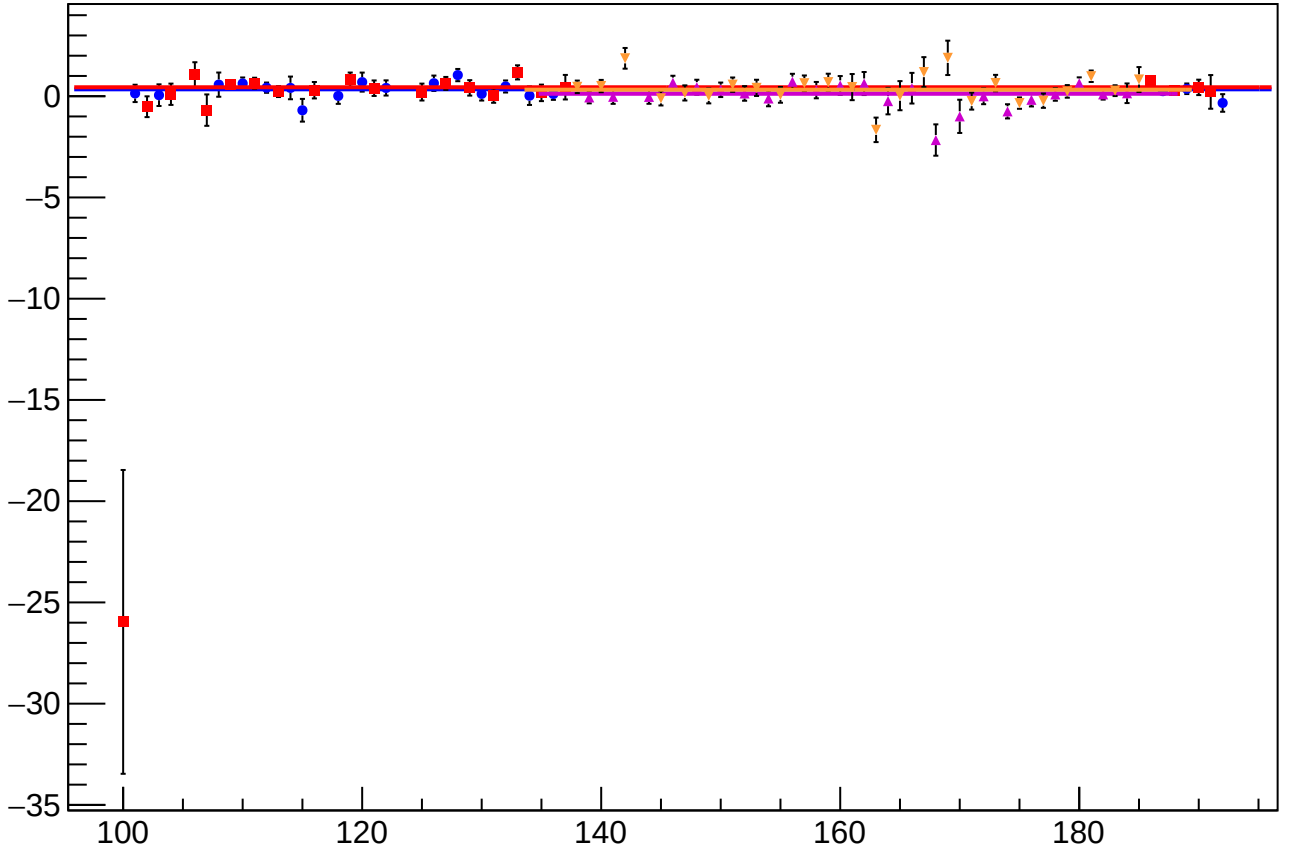
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.085+/-0.014 χ^2/NDF: 97010.9/43

All: -39.864+/-0.010 χ^2/NDF: 169473.3/88

- sign -39.637+/-0.014 χ^2/NDF: 71969.8/44

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

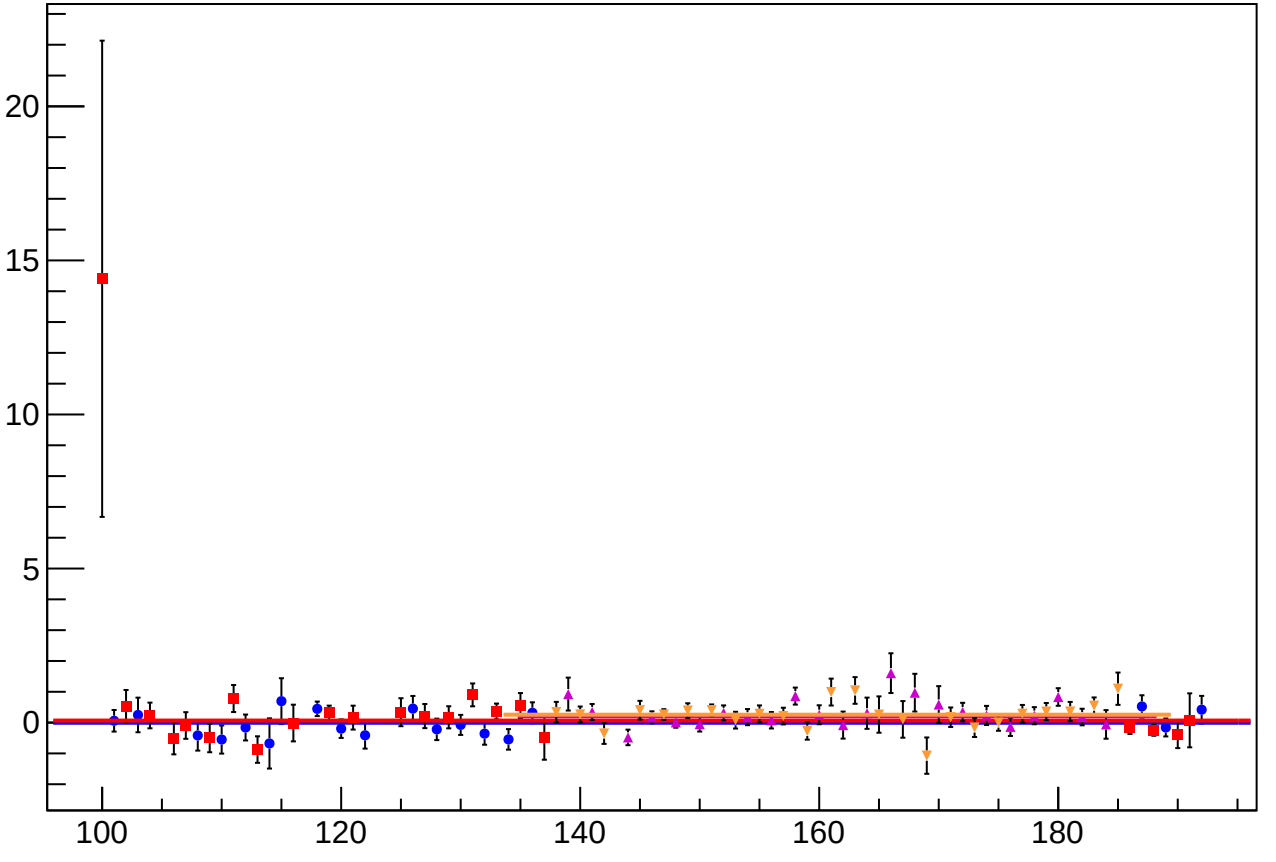
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.330+/-0.056 χ^2/NDF: 63.7/42

All: 0.319+/-0.038 χ^2/NDF: 138.0/87

- sign 0.309+/-0.051 χ^2/NDF: 74.2/44

reg_asym_dsl_diff_bpm4aY_slope vs Slug



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

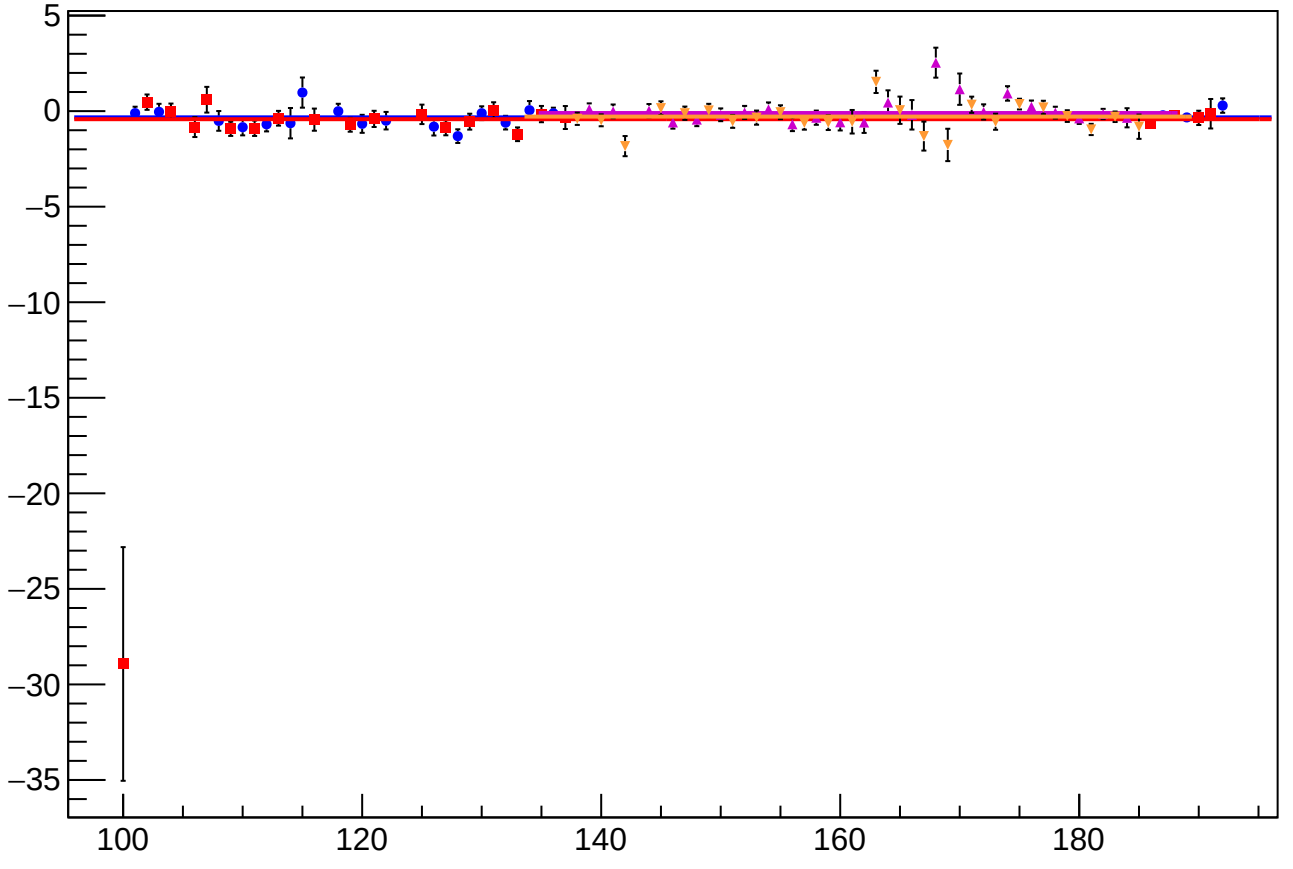
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.172+/-0.049 χ^2/NDF: 51.3/42

All: 0.162+/-0.034 χ^2/NDF: 115.0/87

- sign 0.153+/-0.048 χ^2/NDF: 63.6/44

reg_asym_dsl_diff_bpm4eX_slope vs Slug



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

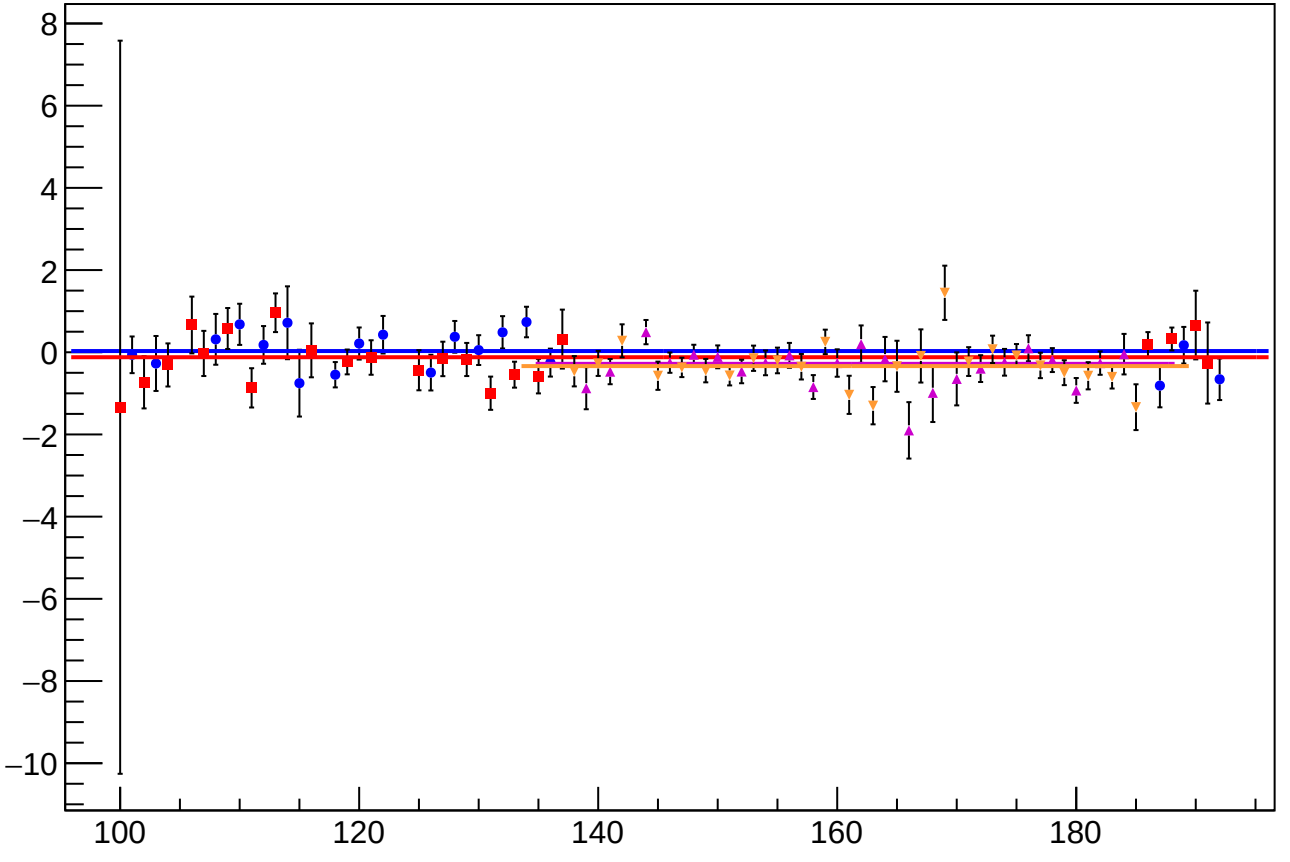
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.305+/-0.056 χ^2/NDF: 66.6/42

All: -0.299+/-0.037 χ^2/NDF: 158.1/87

- sign -0.294+/-0.049 χ^2/NDF: 91.5/44

reg_asym_dsl_diff_bpm4eY_slope vs Slug



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

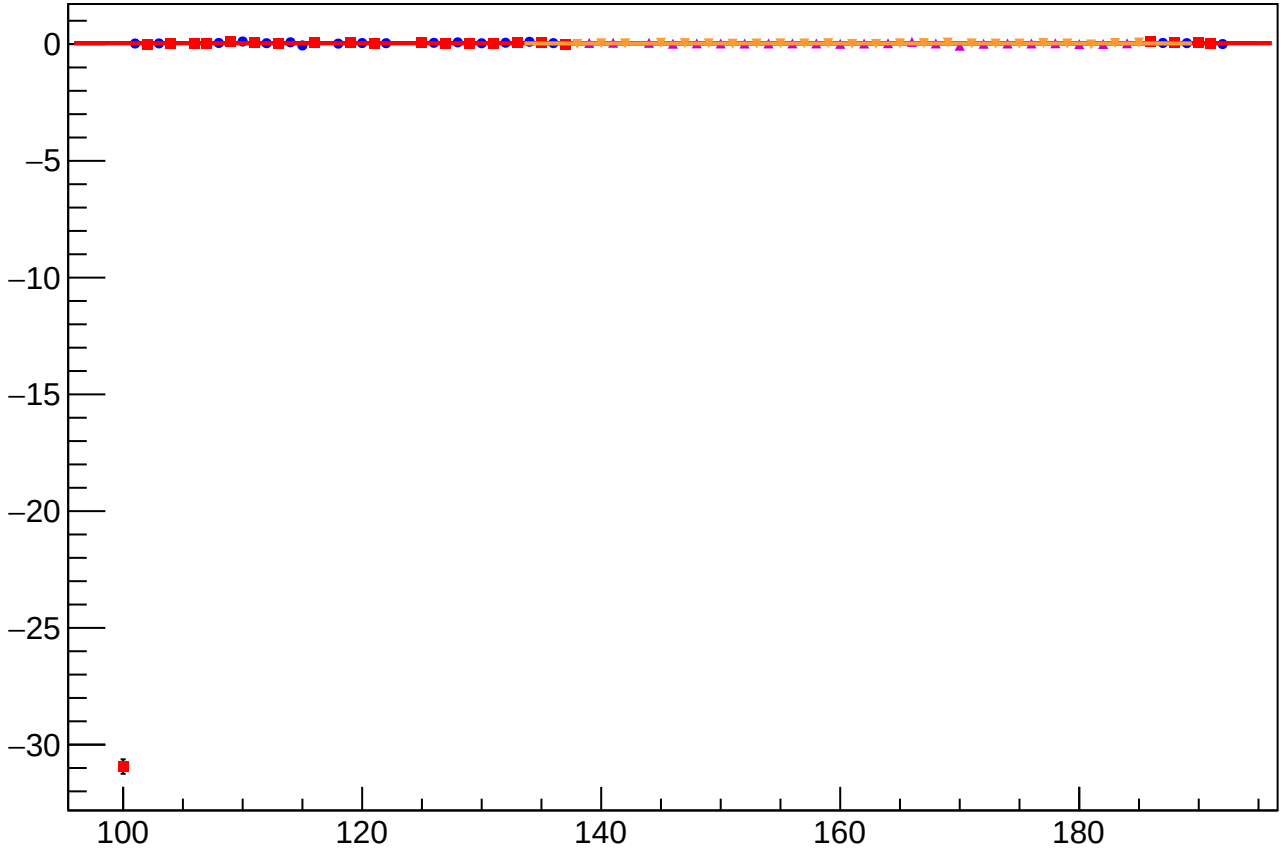
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.223+/-0.056 χ^2/NDF: 59.8/42

All: -0.225+/-0.040 χ^2/NDF: 115.9/87

- sign -0.227+/-0.056 χ^2/NDF: 56.1/44

reg_asym_dsl_diff_bpm12X_slope vs Slug



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

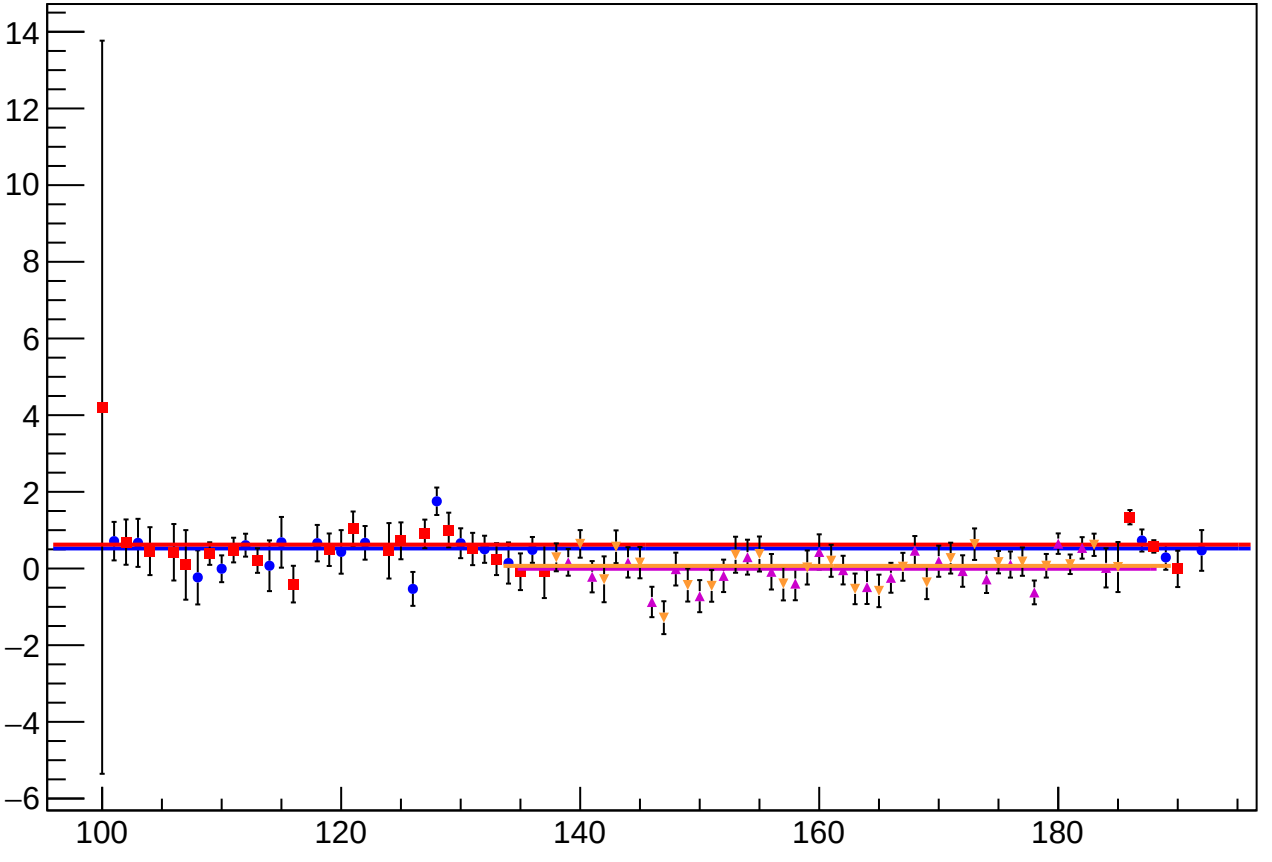
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.031+/-0.003 χ^2/NDF: 59.3/42

All: 0.032+/-0.002 χ^2/NDF: 10137.9/87

- sign 0.032+/-0.003 χ^2/NDF: 10078.6/44

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

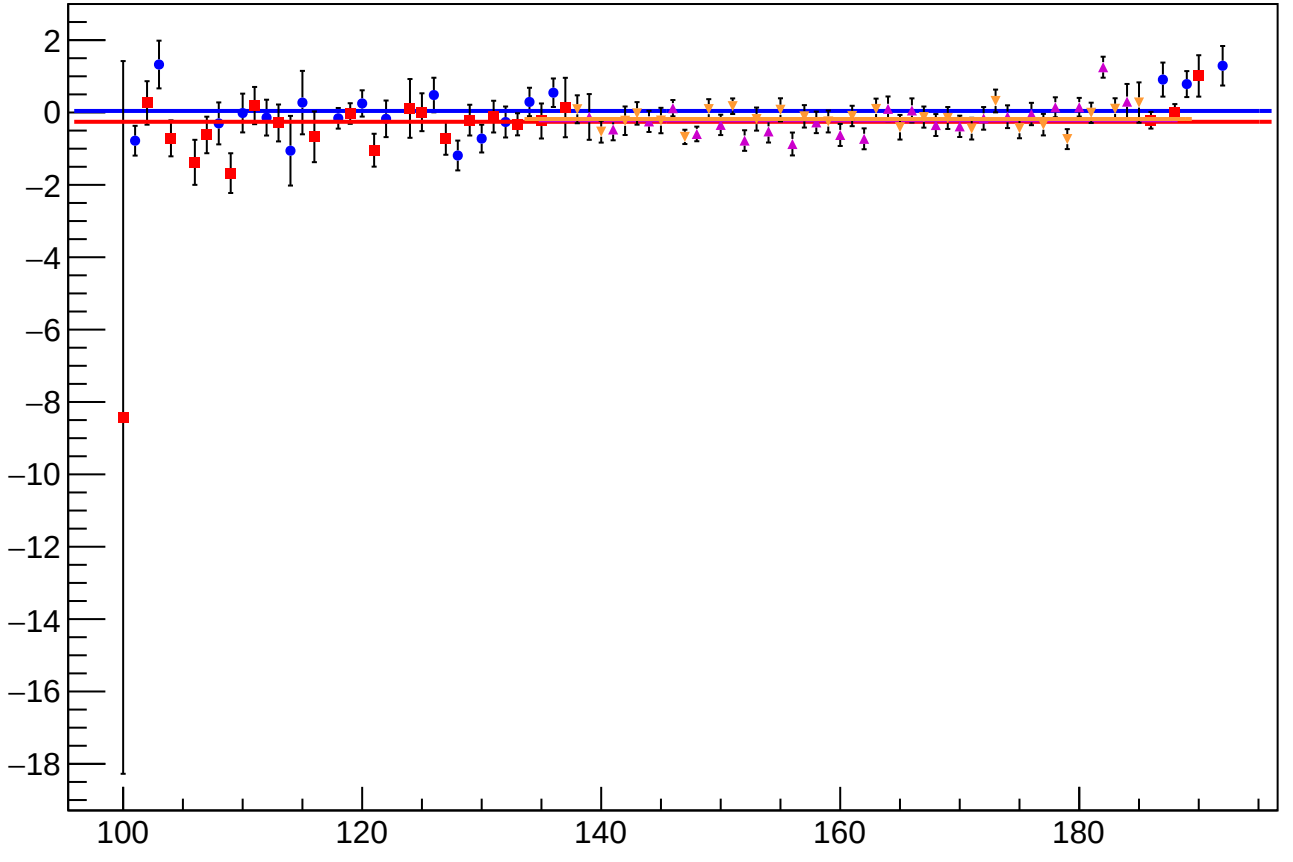
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.249+/-0.060 χ^2/NDF: 68.5/43

All: 0.282+/-0.041 χ^2/NDF: 160.0/88

- sign 0.311+/-0.056 χ^2/NDF: 90.9/44

reg_asym_dsr_diff_bpm4aY_slope vs Slug



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

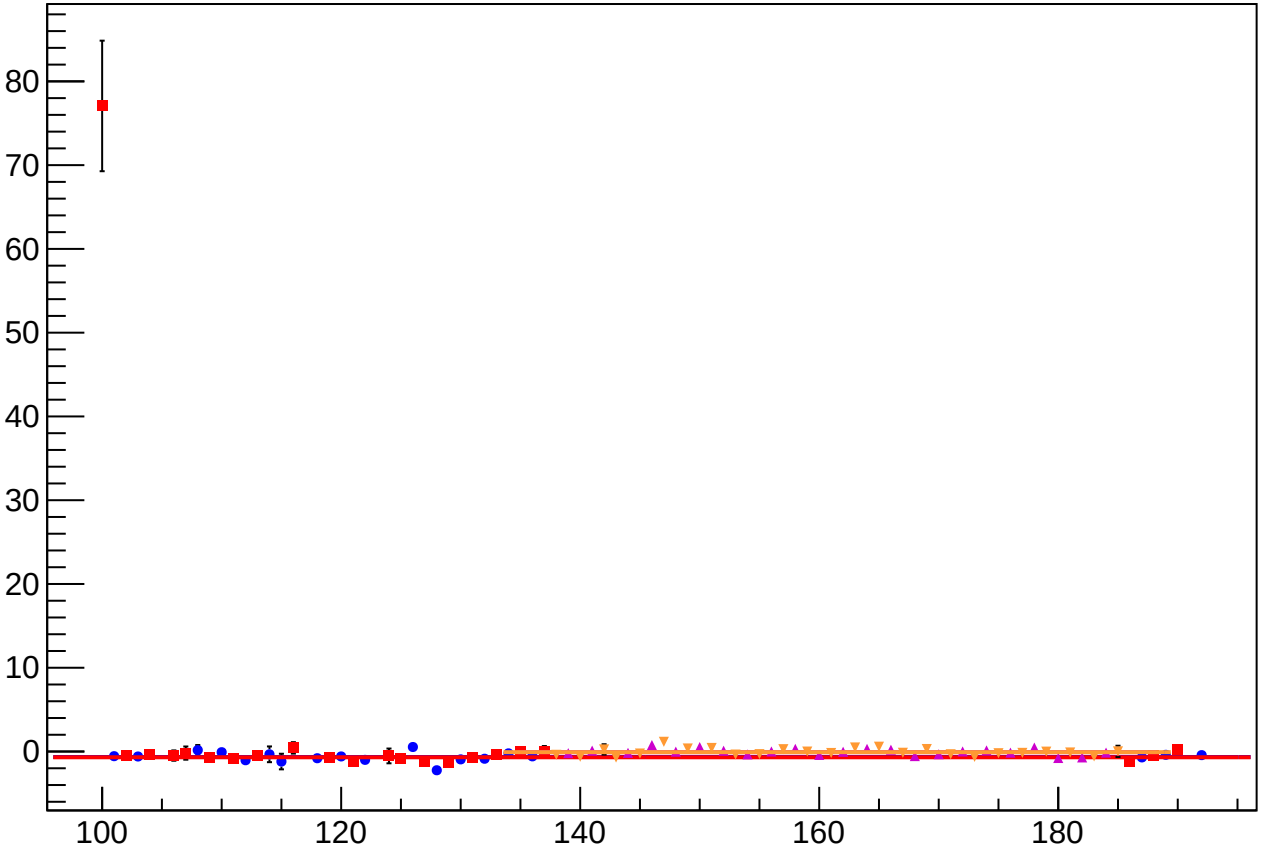
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.124+/-0.051 χ^2/NDF: 68.1/43

All: -0.177+/-0.036 χ^2/NDF: 149.5/88

- sign -0.229+/-0.051 χ^2/NDF: 79.2/44

reg_asym_dsr_diff_bpm4eX_slope vs Slug



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

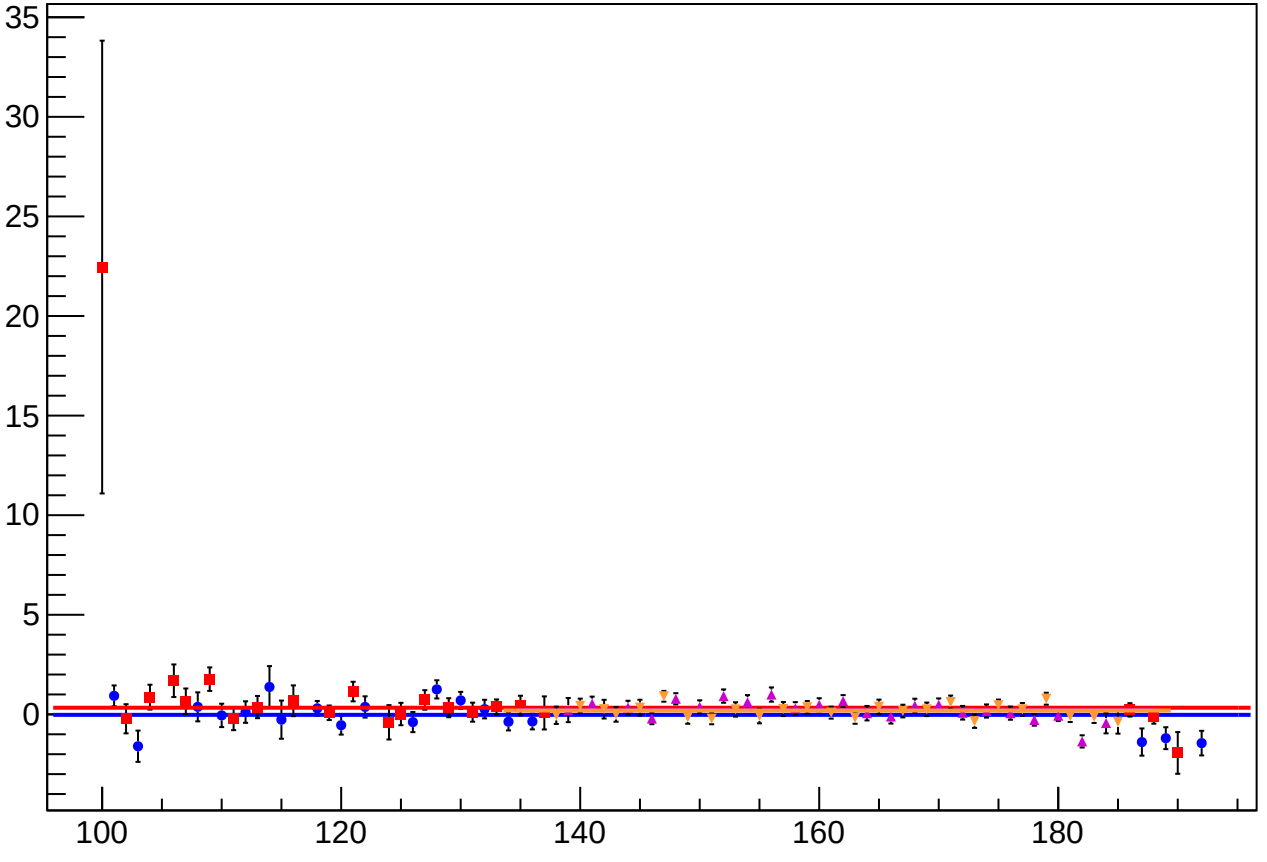
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.297+/-0.060 χ^2/NDF: 78.0/43

All: -0.350+/-0.040 χ^2/NDF: 265.5/88

- sign -0.394+/-0.054 χ^2/NDF: 186.2/44

reg_asym_dsr_diff_bpm4eY_slope vs Slug



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

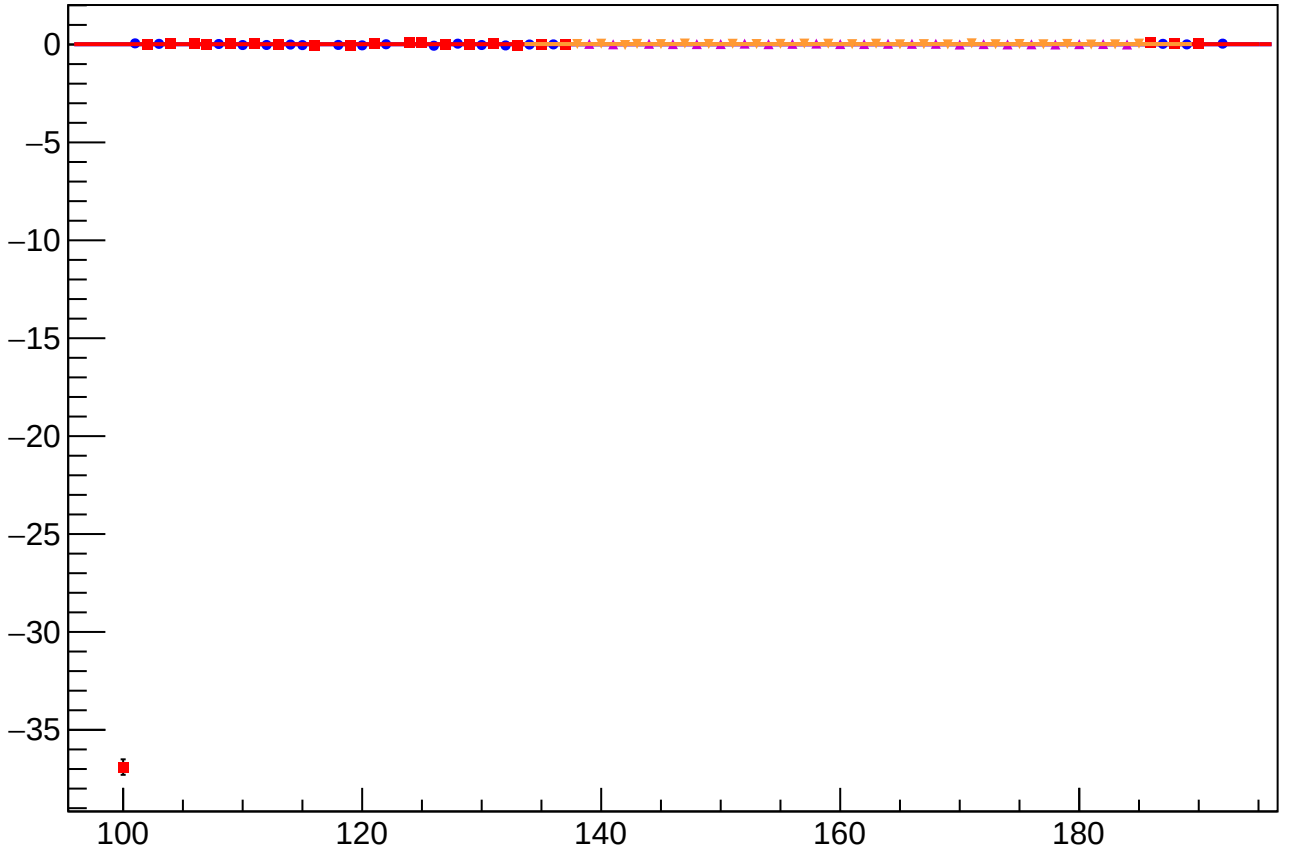
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.142+/-0.058 χ^2/NDF: 67.3/43

All: 0.194+/-0.041 χ^2/NDF: 151.7/88

- sign 0.247+/-0.059 χ^2/NDF: 82.9/44

reg_asym_dsr_diff_bpm12X_slope vs Slug



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

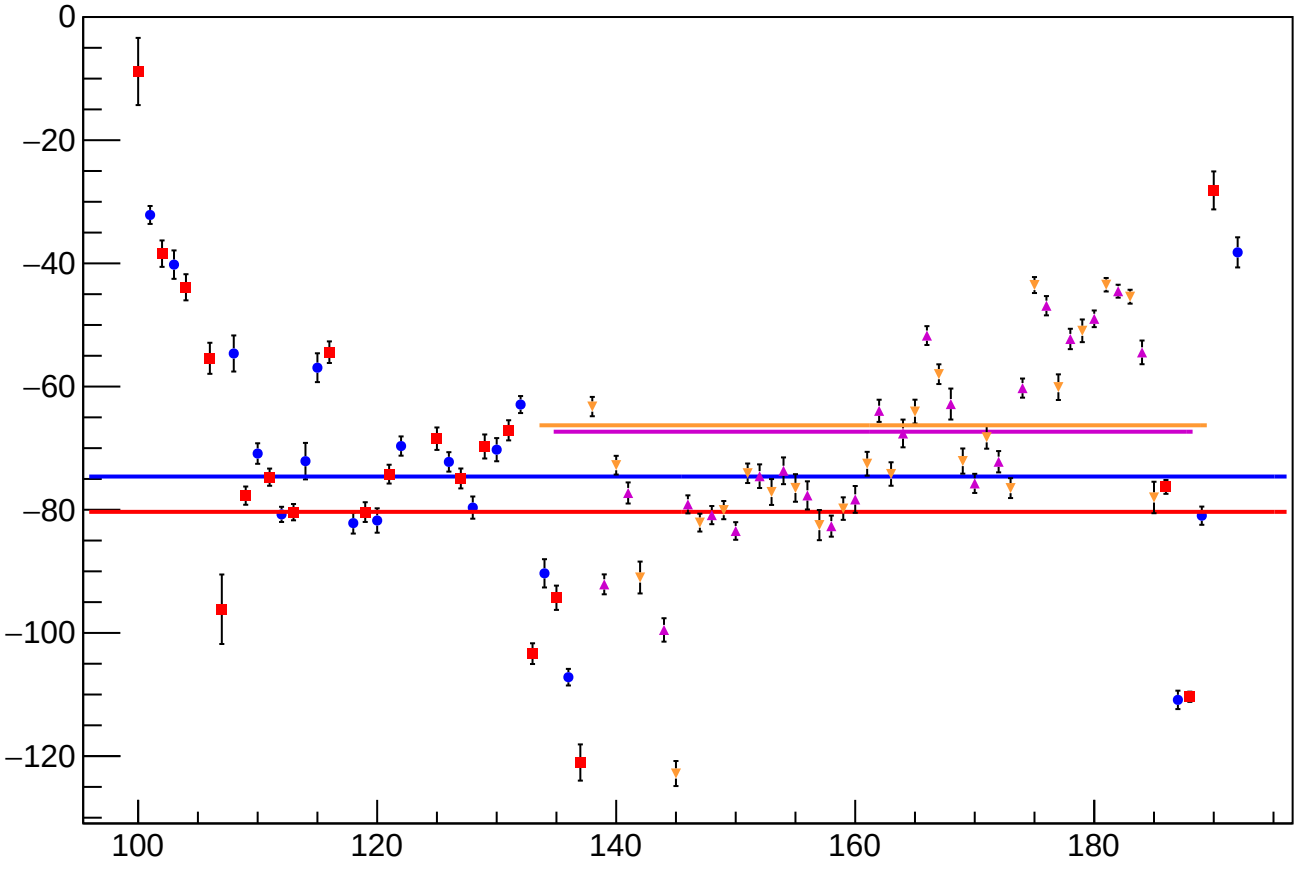
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.022+/-0.003 χ^2/NDF: 54.6/43

All: 0.022+/-0.002 χ^2/NDF: 8848.1/88

- sign 0.023+/-0.003 χ^2/NDF: 8793.4/44

reg_asym_us_avg_diff_bpm1X_slope vs Slug



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

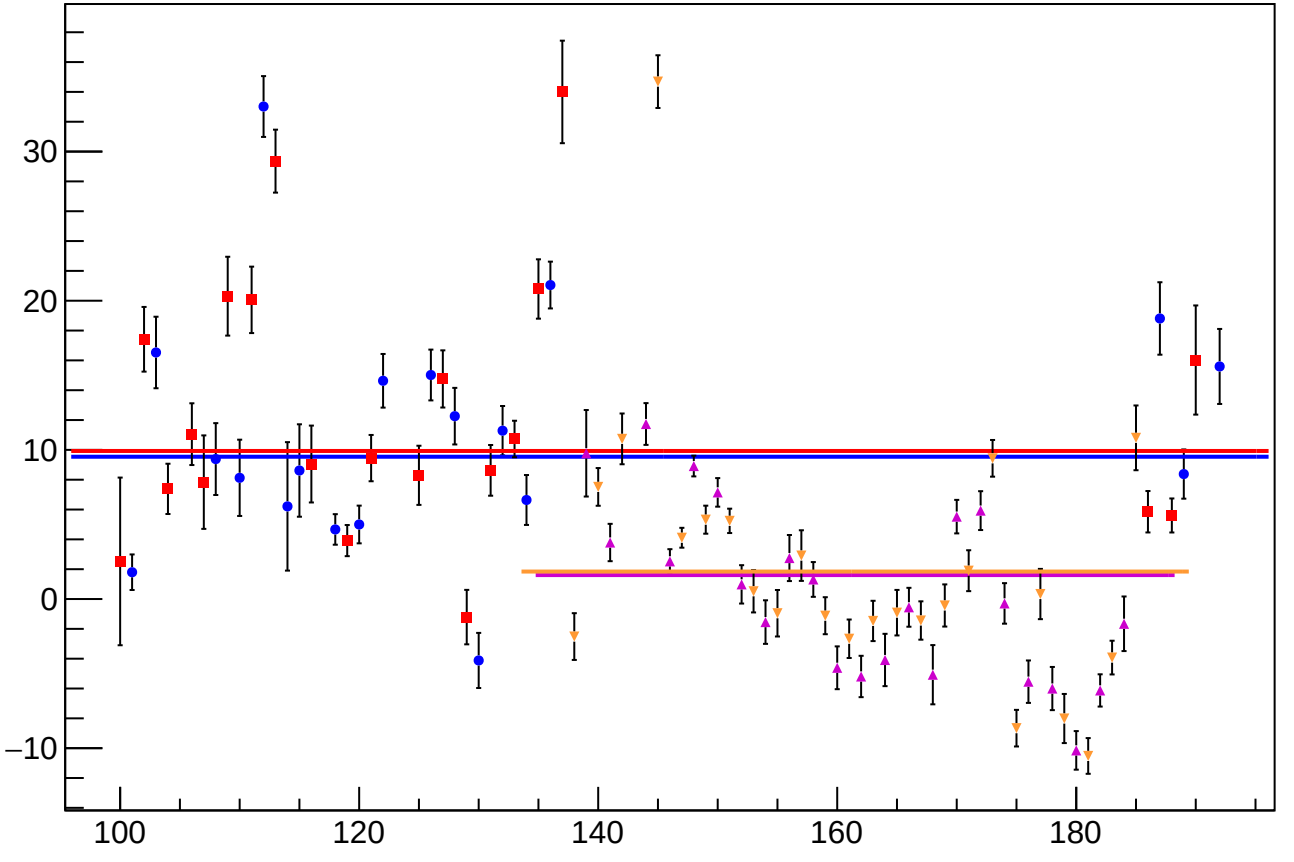
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.881+/-0.259 χ^2/NDF: 5599.0/42

All: -71.804+/-0.179 χ^2/NDF: 11891.3/86

- sign -73.578+/-0.249 χ^2/NDF: 6186.4/43

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



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

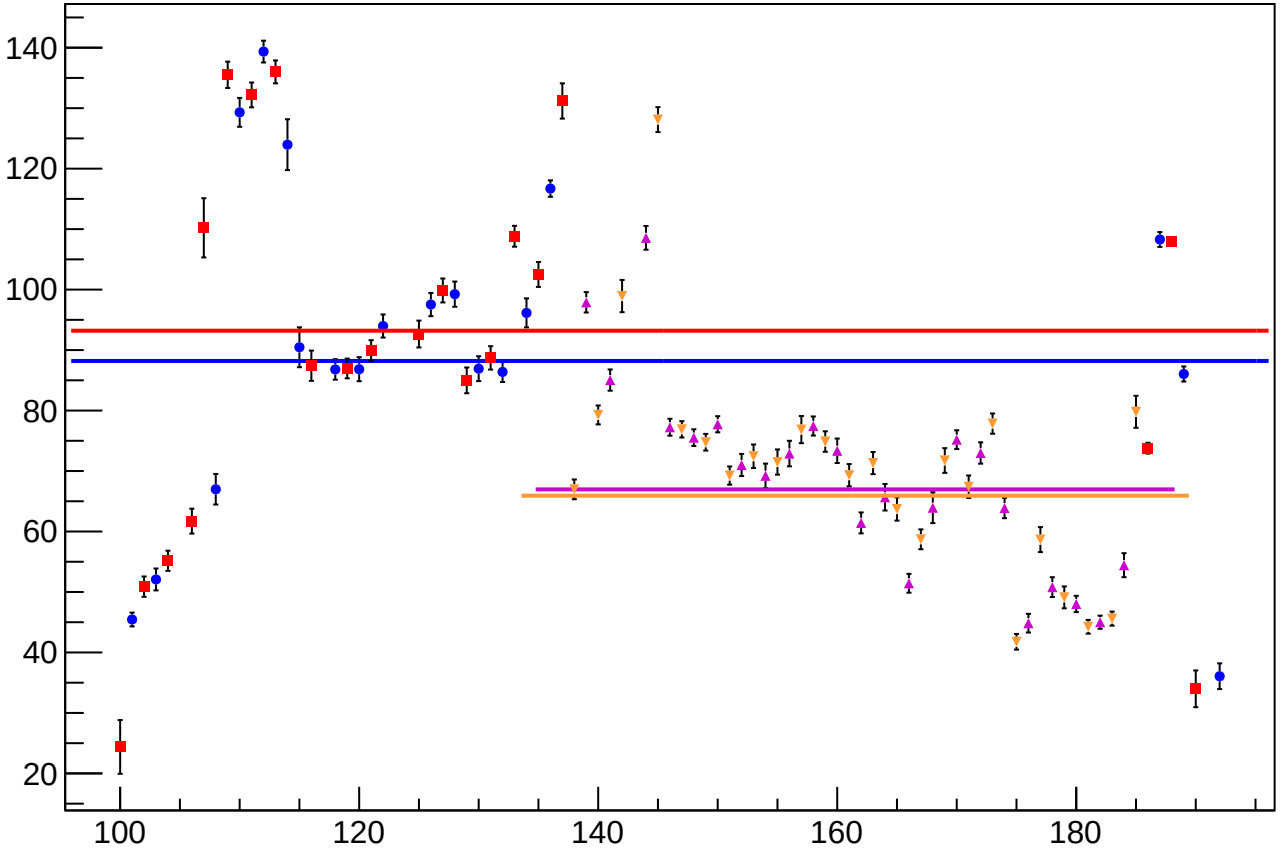
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

+ sign 4.054+/-0.215 χ^2/NDF: 1418.3/42

All: 4.092+/-0.152 χ^2/NDF: 2550.4/86

- sign 4.130+/-0.216 χ^2/NDF: 1132.0/43

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



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

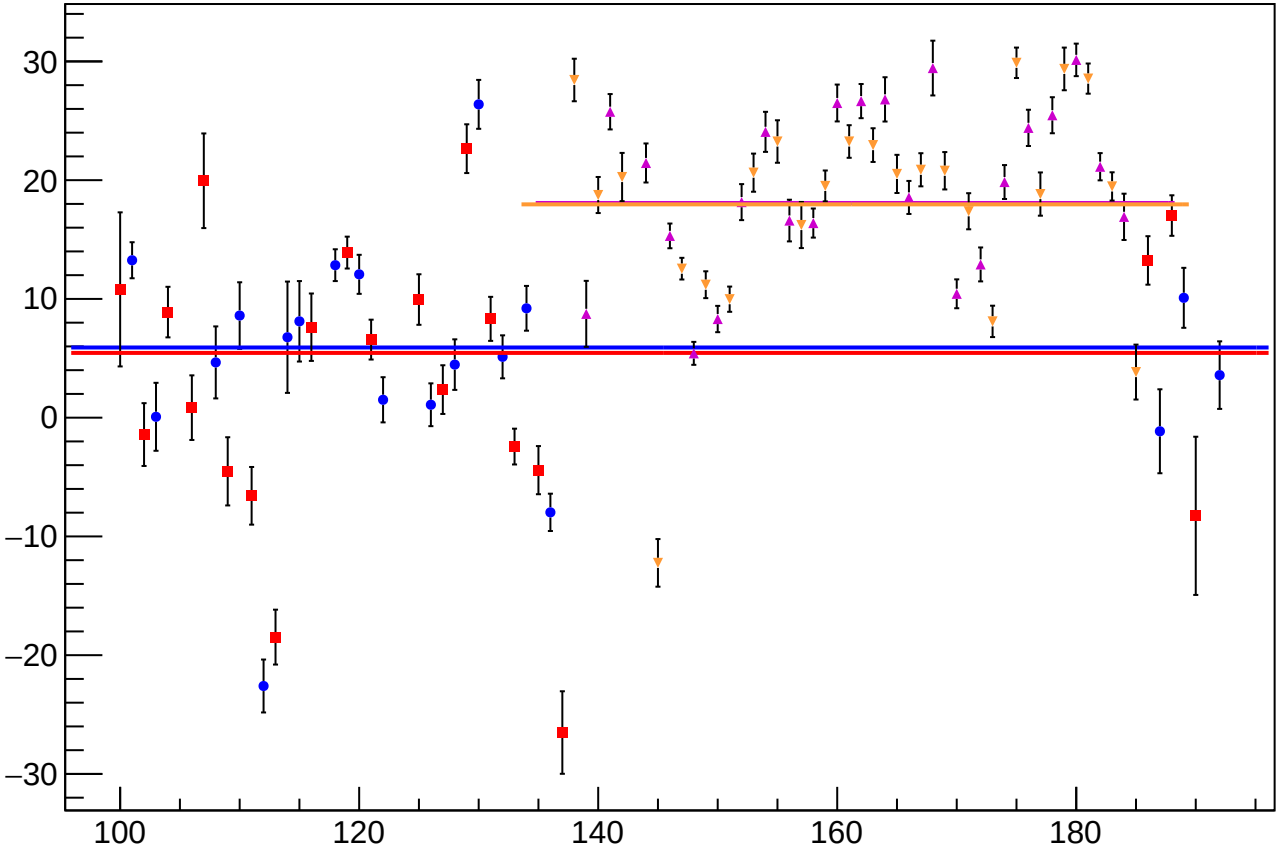
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 75.138+/-0.261 χ^2/NDF: 8758.4/42

All: 77.463+/-0.179 χ^2/NDF: 18518.0/86

- sign 79.536+/-0.246 χ^2/NDF: 9609.1/43

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



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

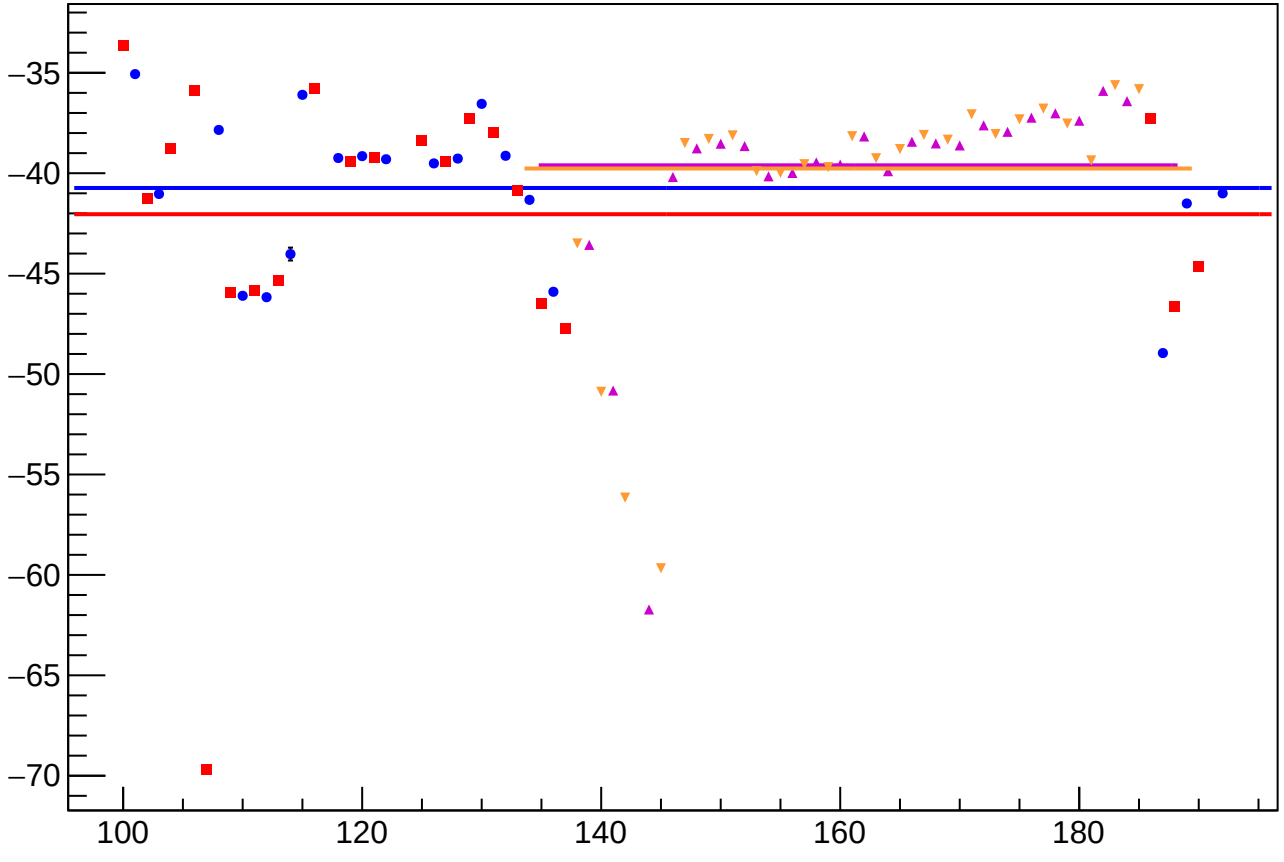
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.650+/-0.249 χ^2/NDF: 1634.8/42

All: 14.602+/-0.176 χ^2/NDF: 3242.3/86

- sign 14.554+/-0.250 χ^2/NDF: 1607.5/43

reg_asym_us_avg_diff_bpm12X_slope vs Slug



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

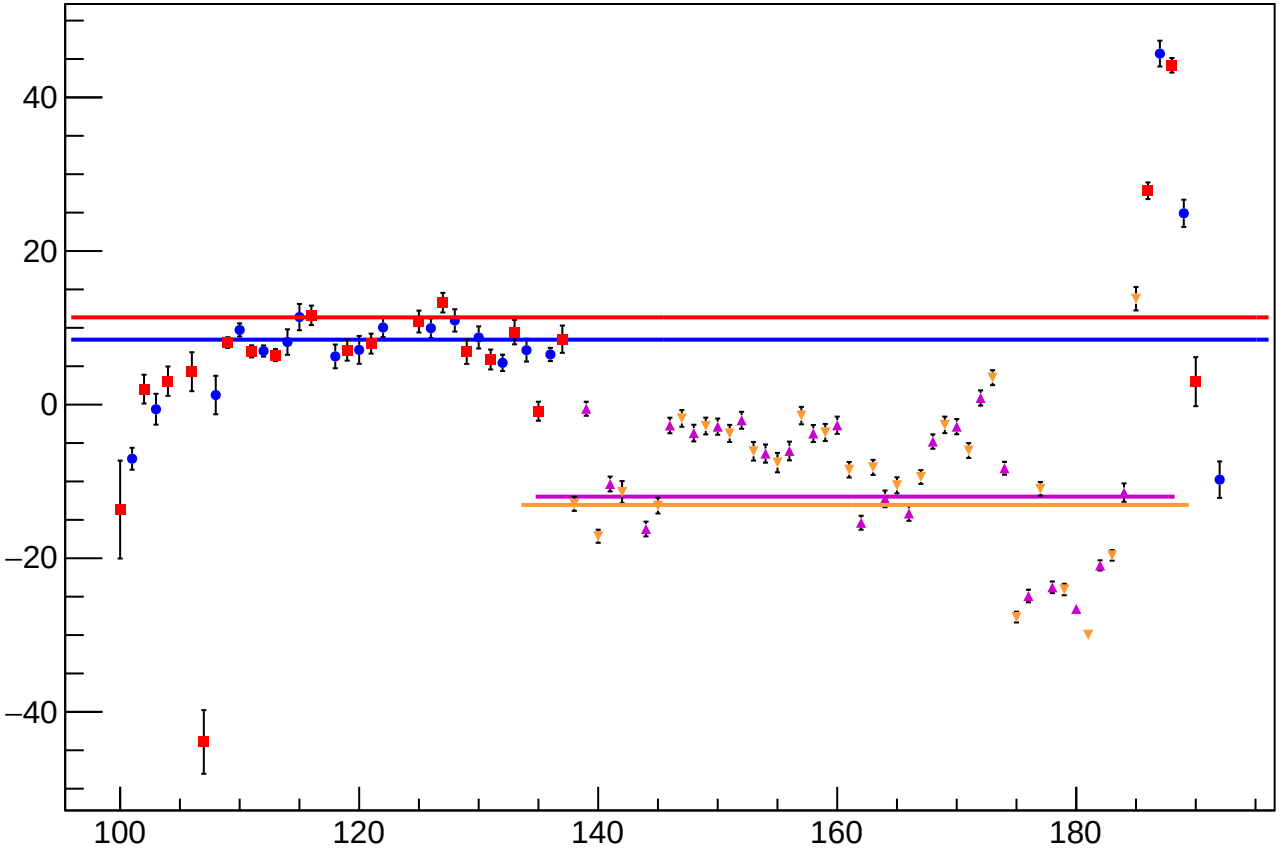
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.970+/-0.012 χ^2/NDF: 150983.7/42

All: -40.027+/-0.008 χ^2/NDF: 305030.8/86

- sign -40.084+/-0.012 χ^2/NDF: 154001.9/43

reg_asym_us_dd_diff_bpm1X_slope vs Slug



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

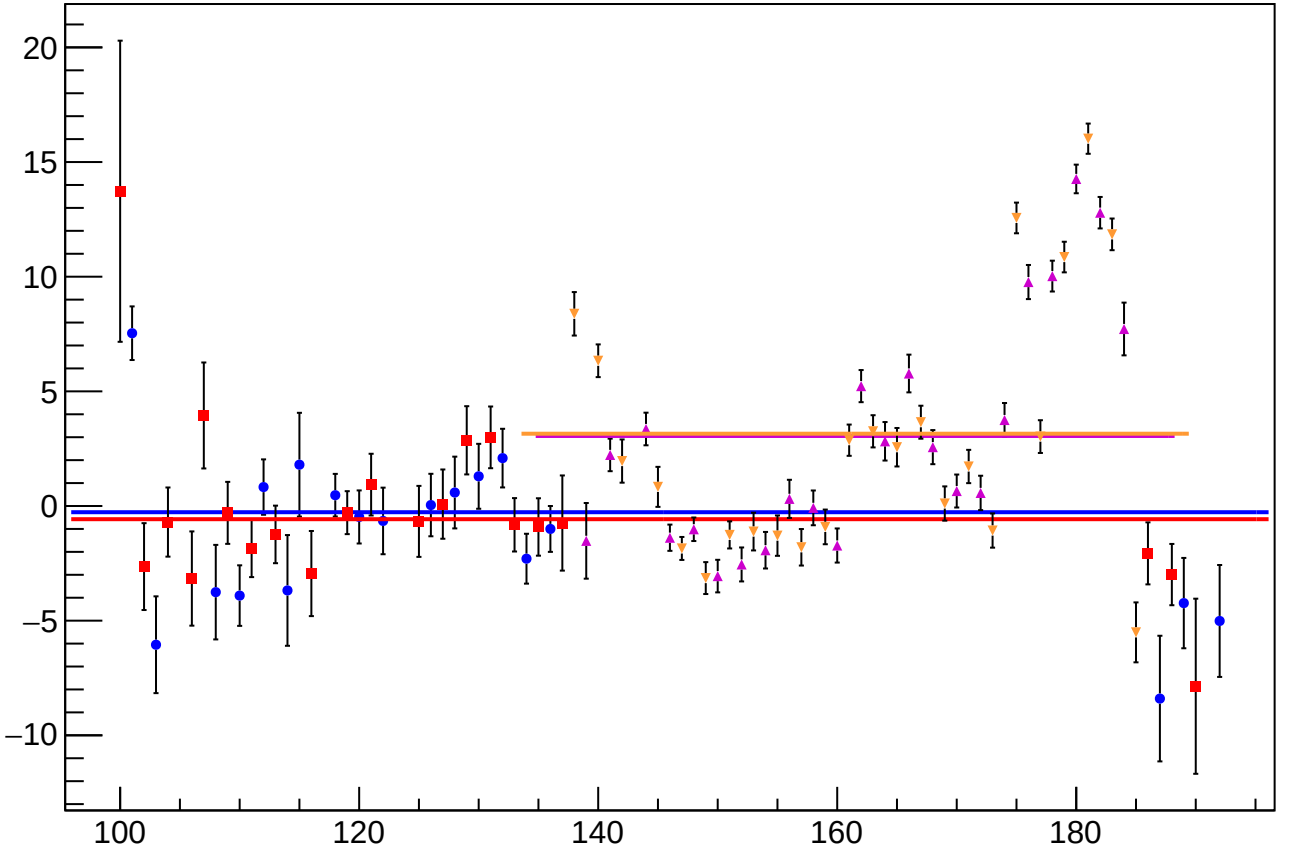
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -6.689+/-0.162 χ^2/NDF: 7366.9/42

All: -5.380+/-0.113 χ^2/NDF: 16388.5/86

- sign -4.113+/-0.159 χ^2/NDF: 8892.7/43

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



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

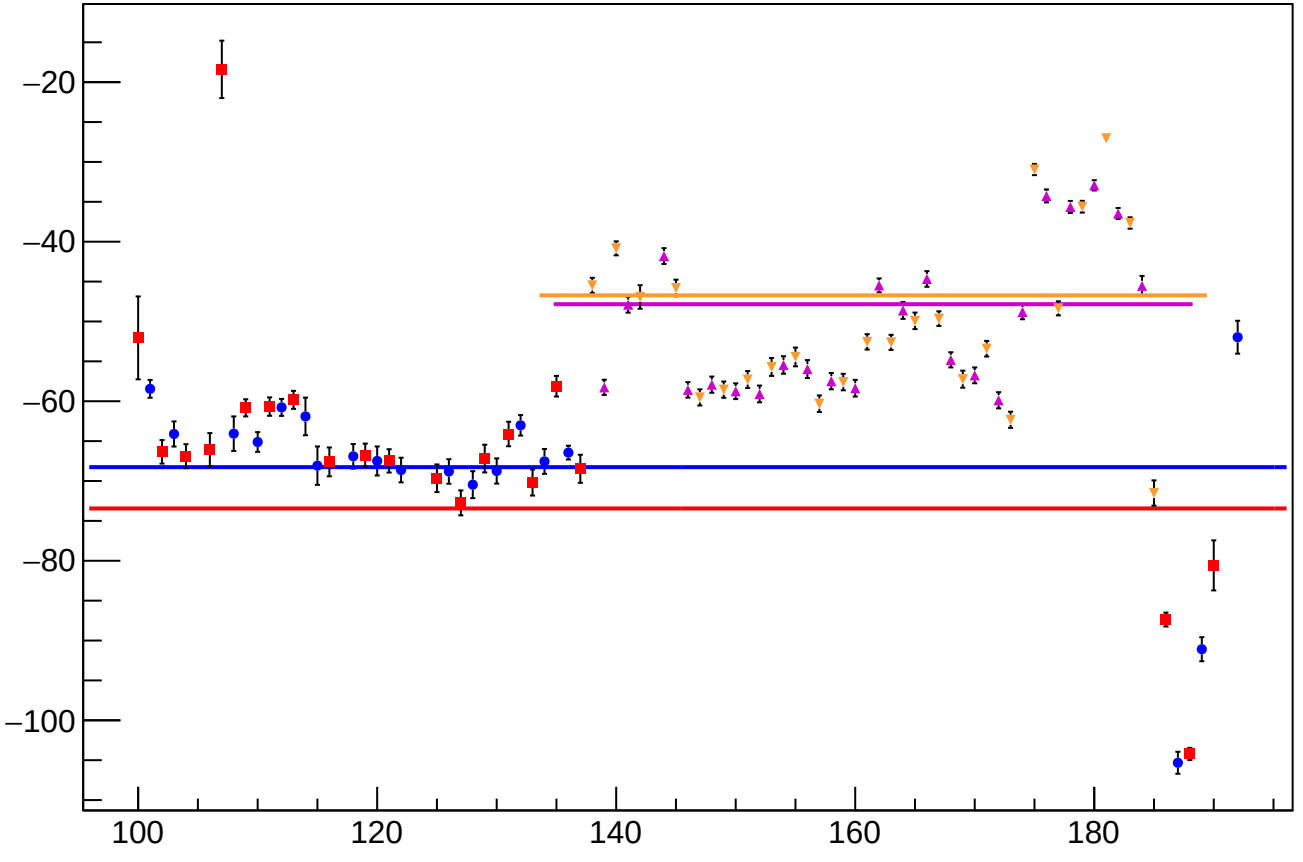
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.548+/-0.135 χ^2/NDF: 1570.8/42

All: 2.473+/-0.096 χ^2/NDF: 2856.6/86

- sign 2.396+/-0.137 χ^2/NDF: 1285.1/43

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



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

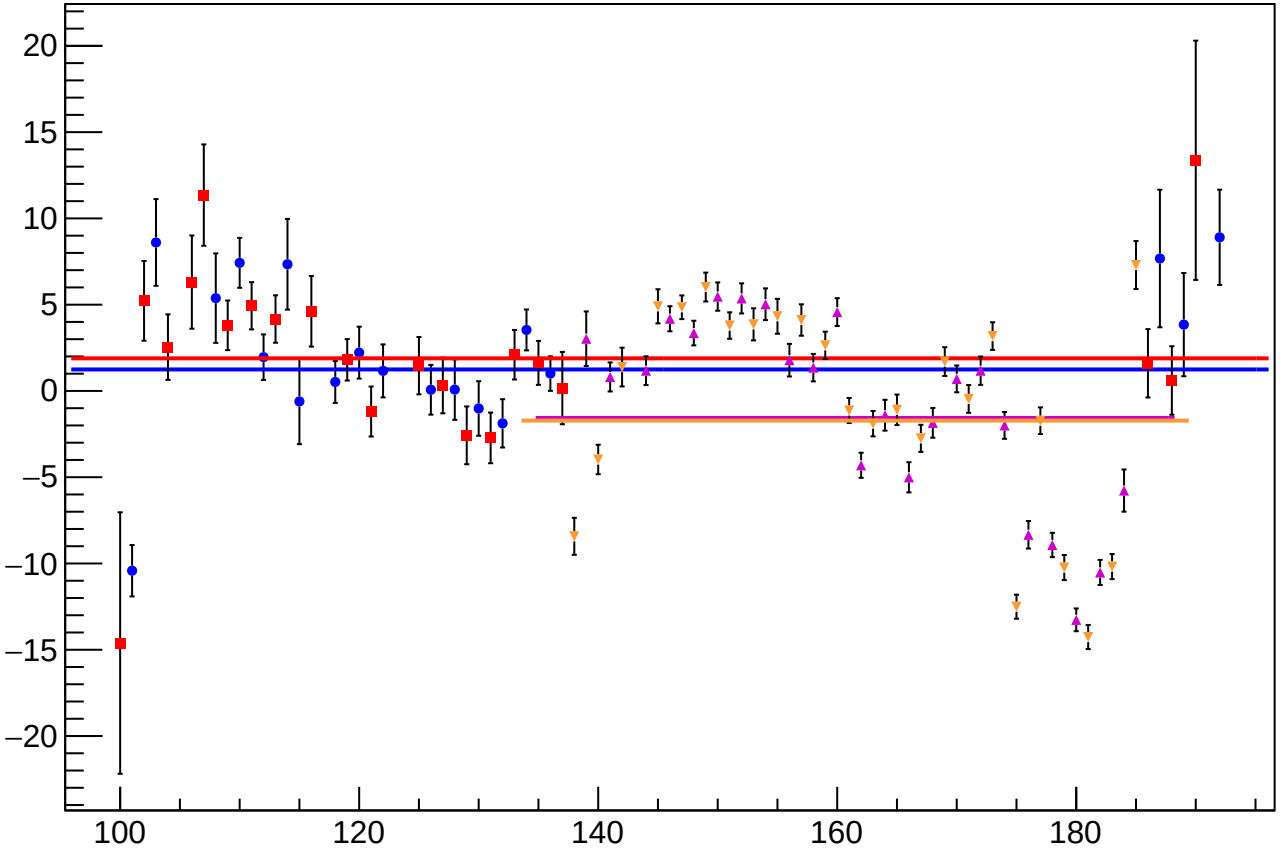
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -52.151+/-0.166 χ^2/NDF: 7818.5/42

All: -53.715+/-0.116 χ^2/NDF: 18438.2/86

- sign -55.237+/-0.163 χ^2/NDF: 10443.8/43

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



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

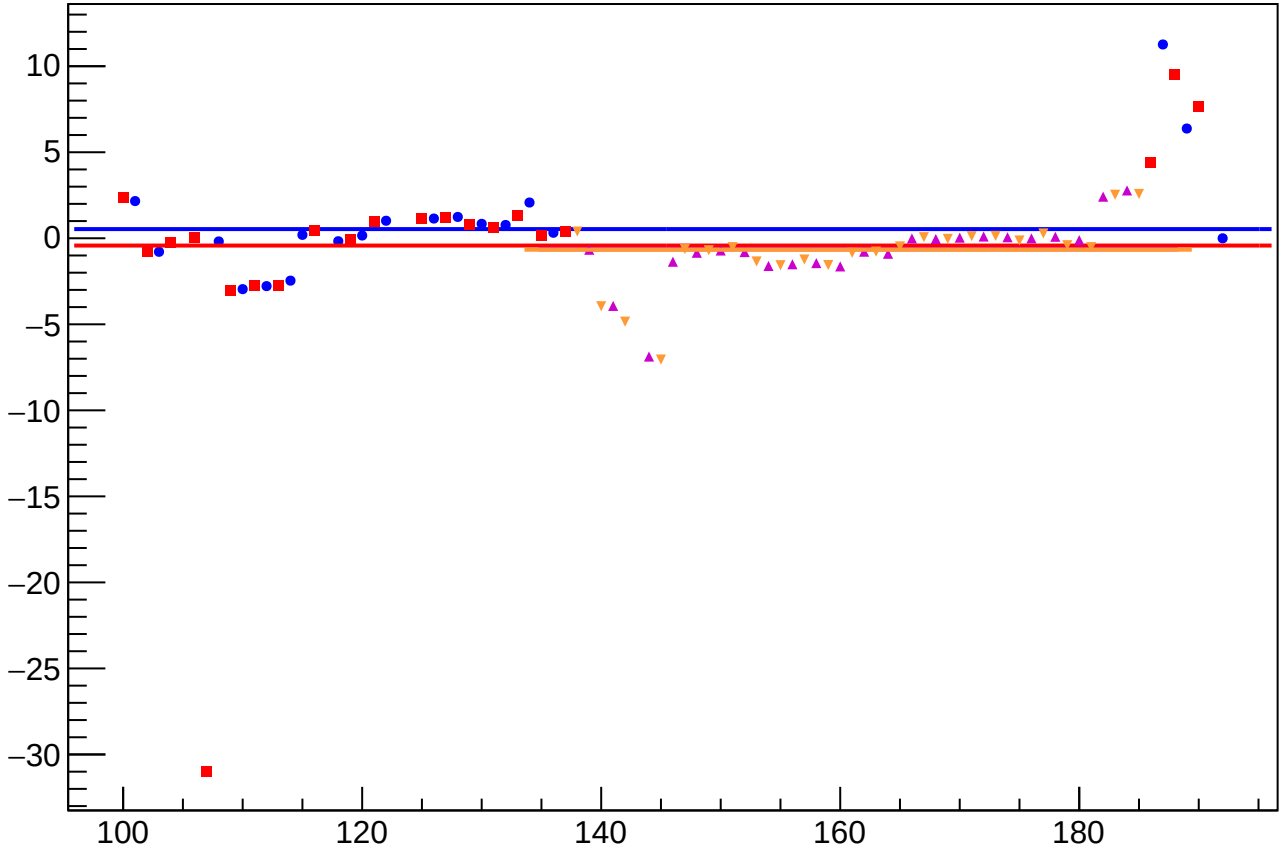
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.207+/-0.153 χ^2/NDF: 1580.6/42

All: -1.092+/-0.109 χ^2/NDF: 2827.5/86

- sign -0.974+/-0.155 χ^2/NDF: 1245.8/43

reg_asym_us_dd_diff_bpm12X_slope vs Slug



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

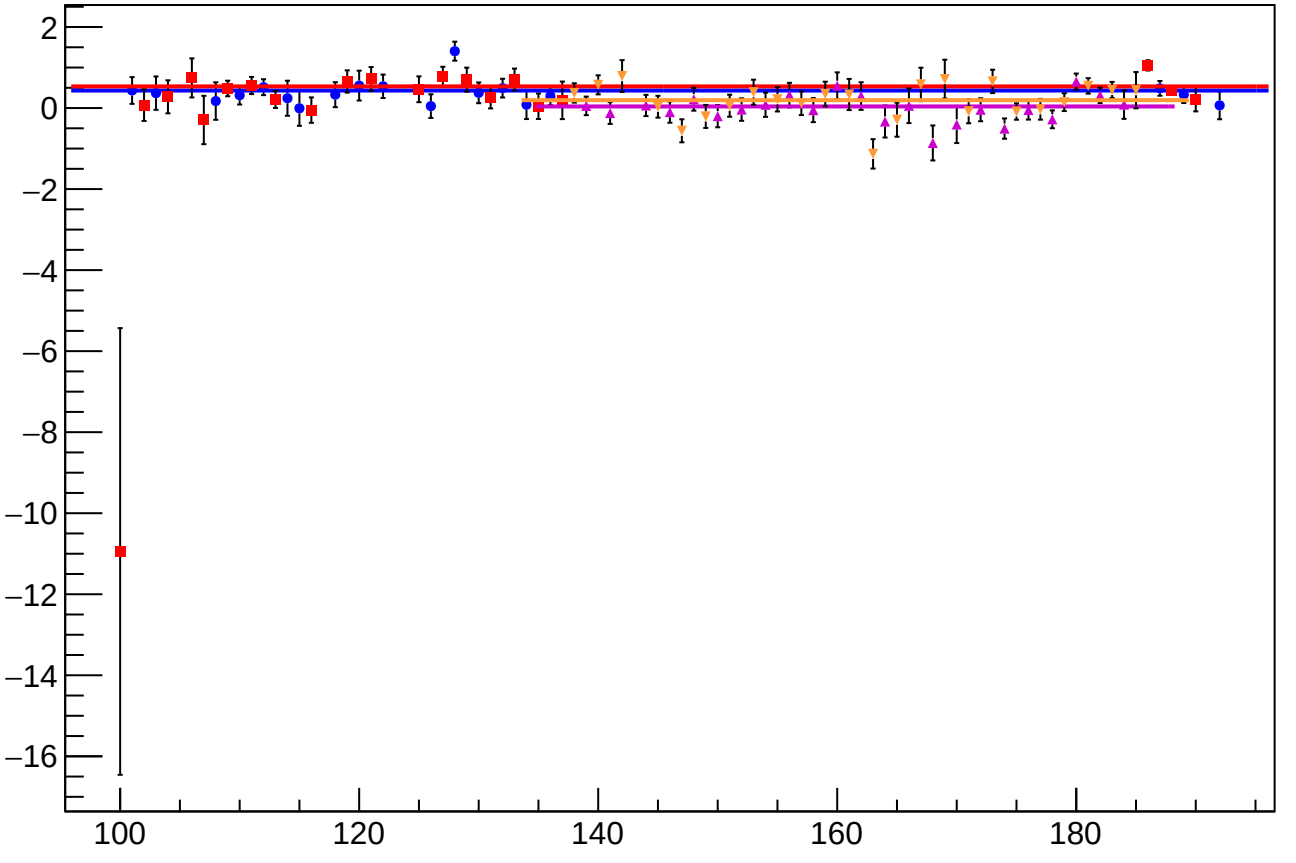
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.519+/-0.007 χ^2/NDF: 67808.5/42

All: -0.570+/-0.005 χ^2/NDF: 173489.9/86

- sign -0.621+/-0.007 χ^2/NDF: 105577.4/43

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



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

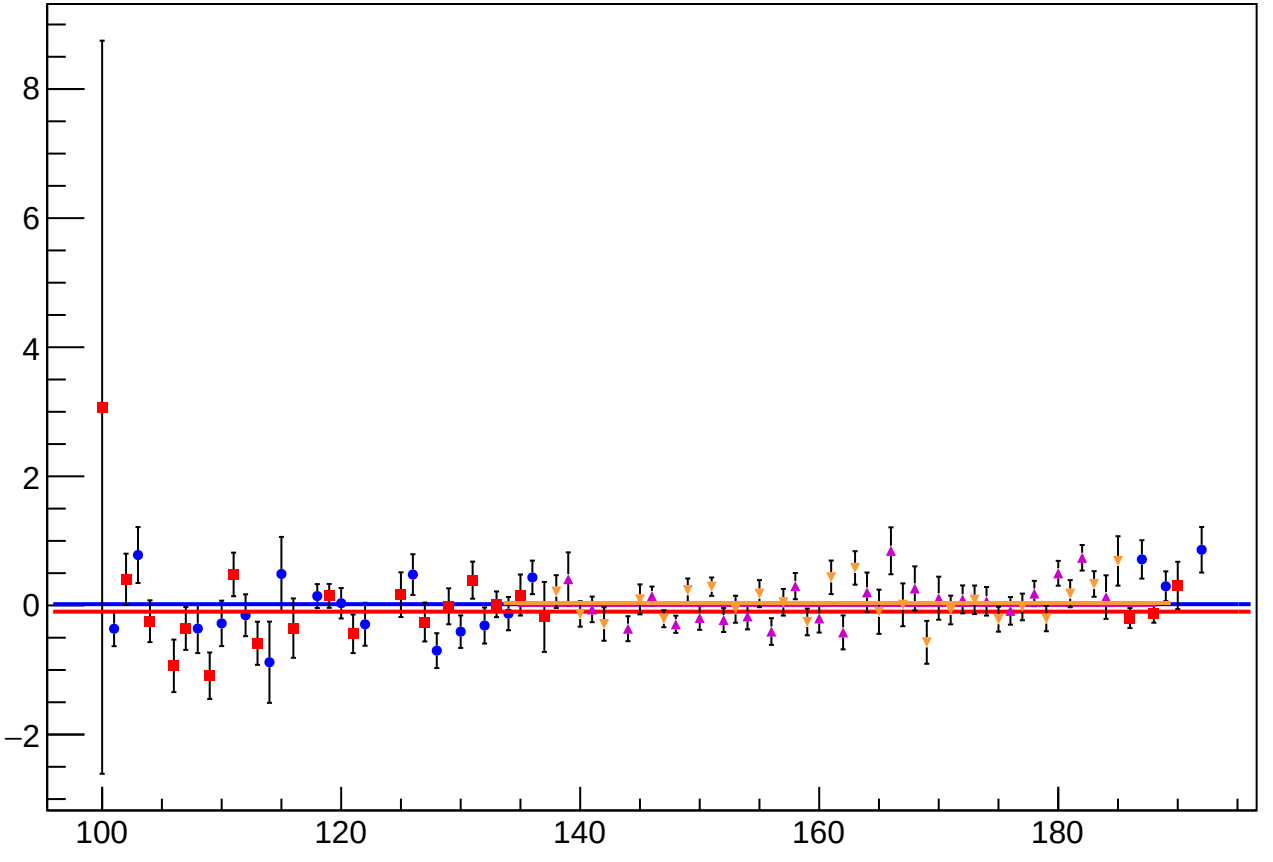
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.303+/-0.042 χ^2/NDF: 76.4/42

All: 0.308+/-0.028 χ^2/NDF: 187.1/86

- sign 0.313+/-0.039 χ^2/NDF: 110.6/43

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



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

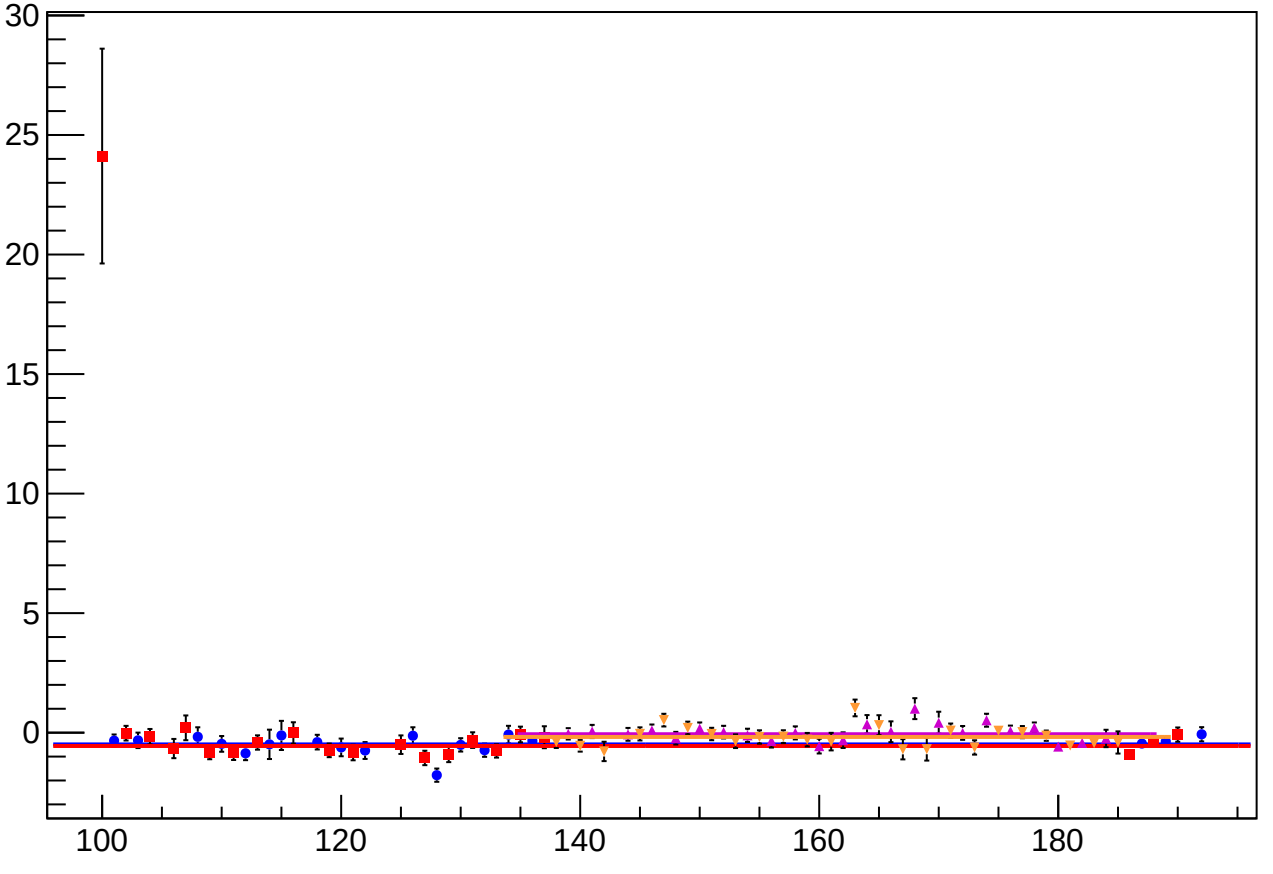
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.032+/-0.036 χ^2/NDF: 72.9/42

All: 0.001+/-0.025 χ^2/NDF: 157.2/86

- sign -0.029+/-0.036 χ^2/NDF: 82.9/43

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



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

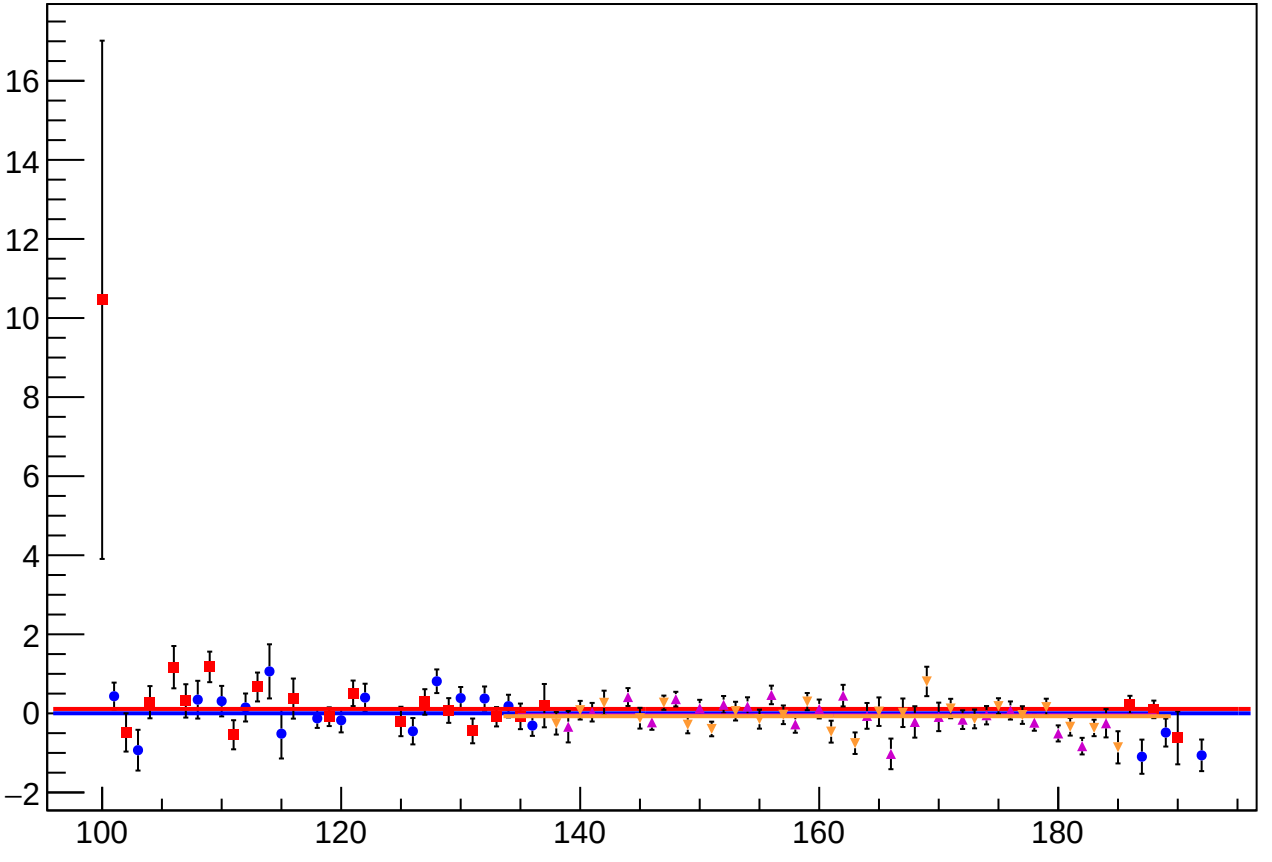
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.315+/-0.042 χ^2/NDF: 87.4/42

All: -0.332+/-0.028 χ^2/NDF: 228.3/86

- sign -0.345+/-0.037 χ^2/NDF: 140.6/43

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



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

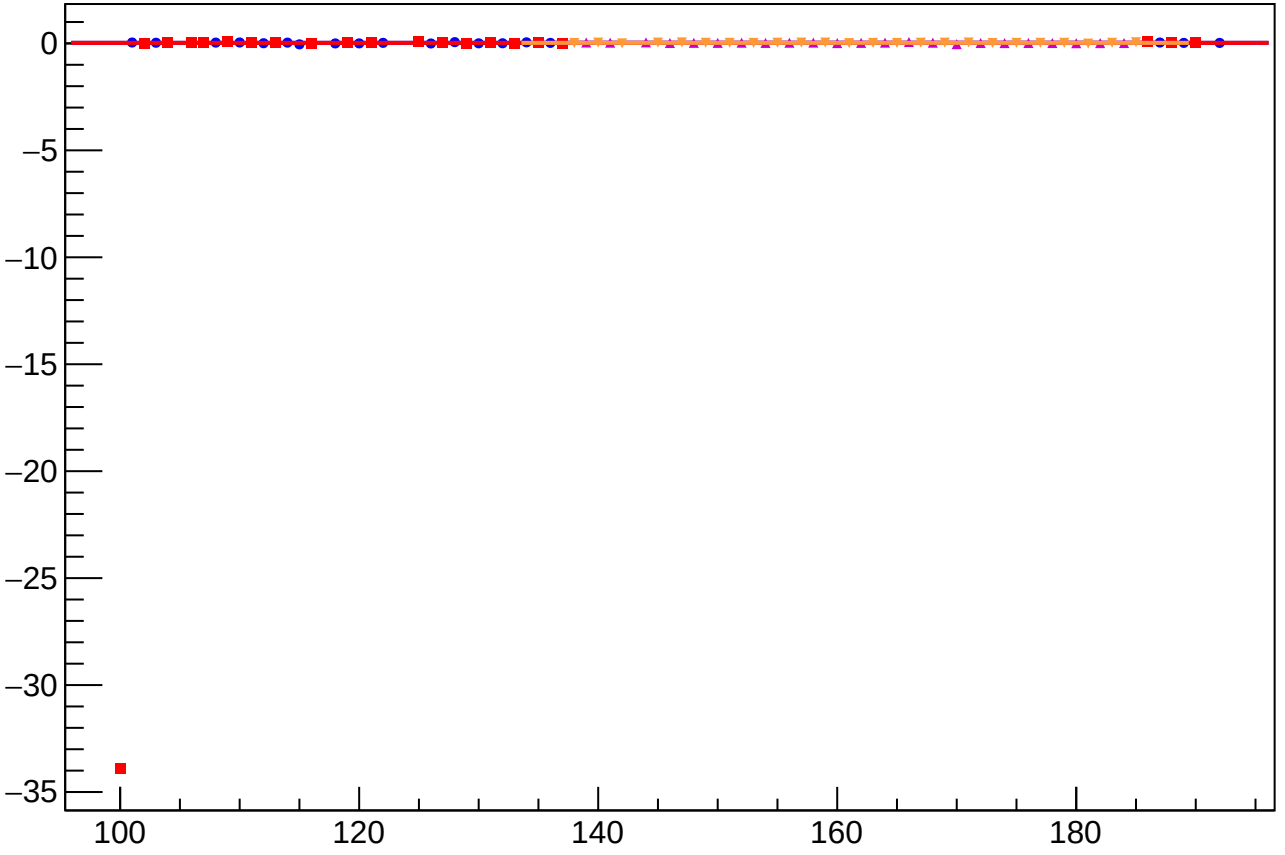
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.051+/-0.042 χ^2/NDF: 79.3/42

All: -0.024+/-0.029 χ^2/NDF: 164.2/86

- sign 0.003+/-0.042 χ^2/NDF: 84.0/43

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



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

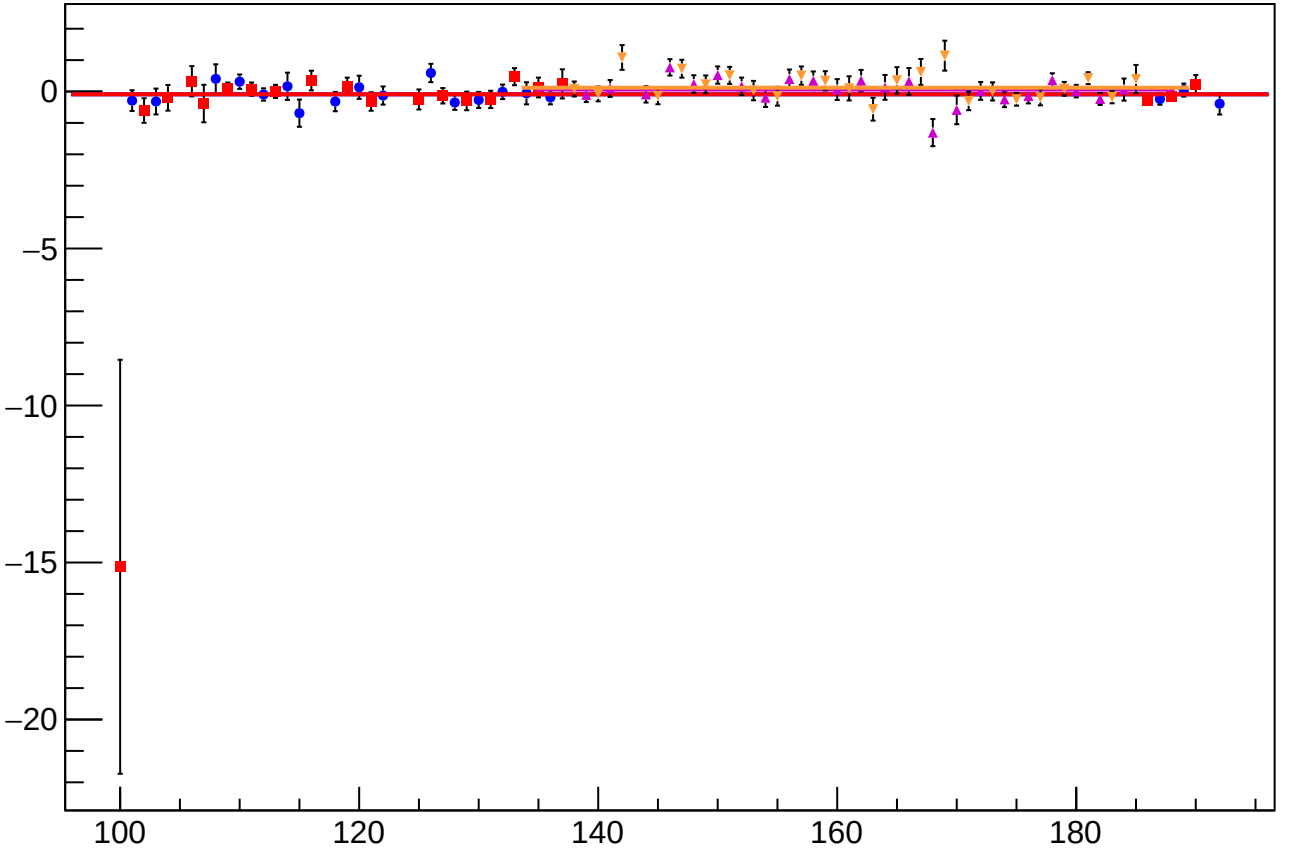
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.026+/-0.002 χ^2/NDF: 46.6/42

All: 0.026+/-0.001 χ^2/NDF: 22390.0/86

- sign 0.026+/-0.002 χ^2/NDF: 22343.5/43

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

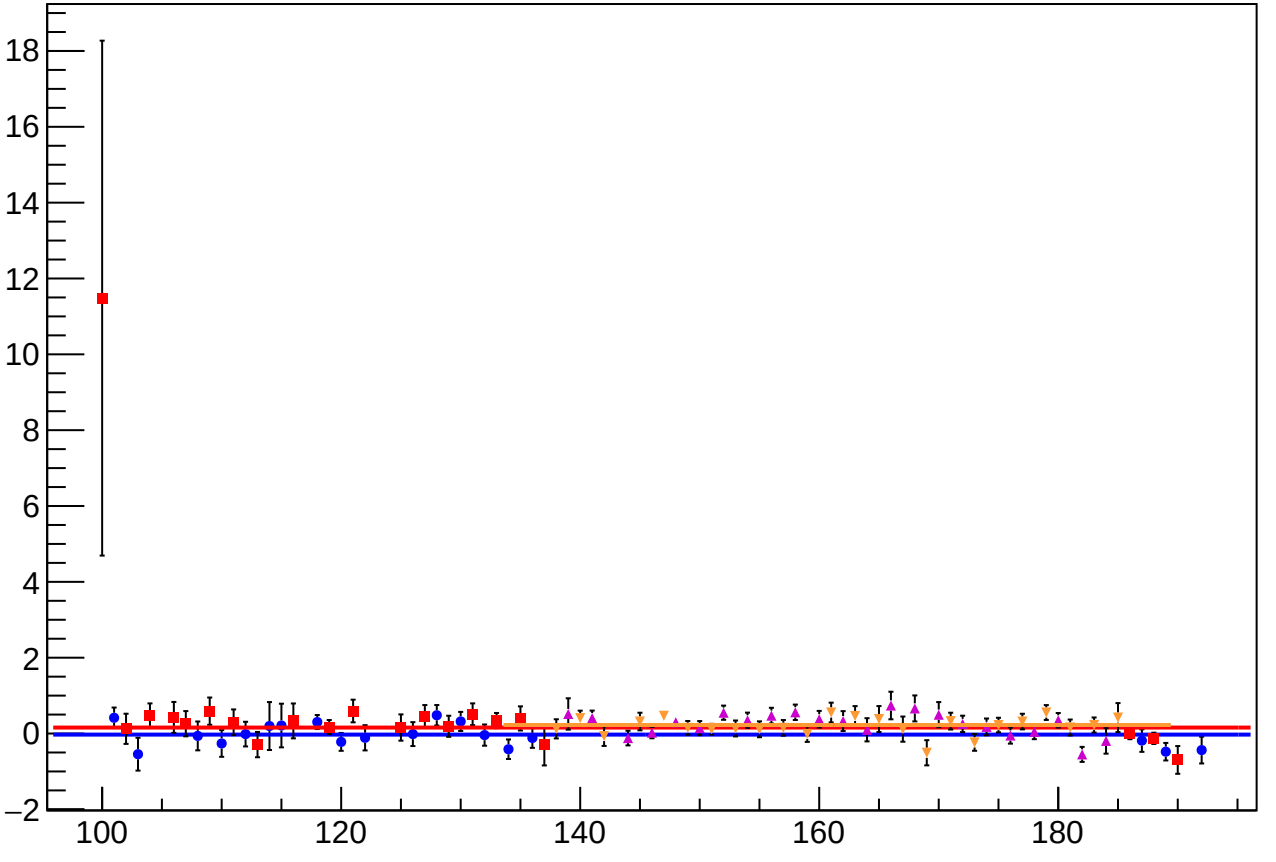
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.025+/-0.042 χ^2/NDF: 63.4/42

All: 0.001+/-0.028 χ^2/NDF: 125.9/86

- sign -0.020+/-0.039 χ^2/NDF: 61.8/43

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.028+/-0.067 χ^2/NDF: 22.1/18

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.158+/-0.060 χ^2/NDF: 24.6/20

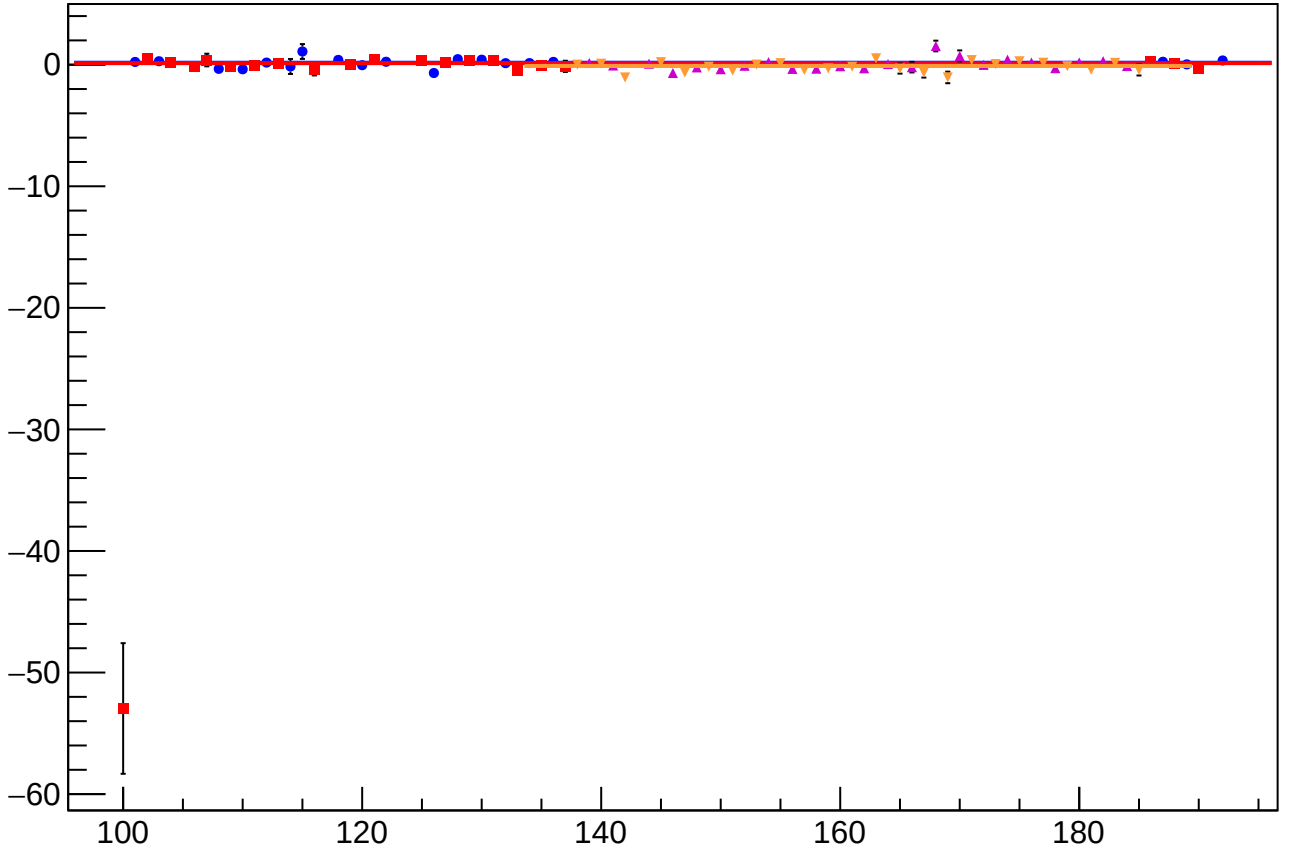
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.150+/-0.036 χ^2/NDF: 56.4/42

All: 0.175+/-0.025 χ^2/NDF: 122.0/86

- sign 0.199+/-0.036 χ^2/NDF: 64.7/43

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



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

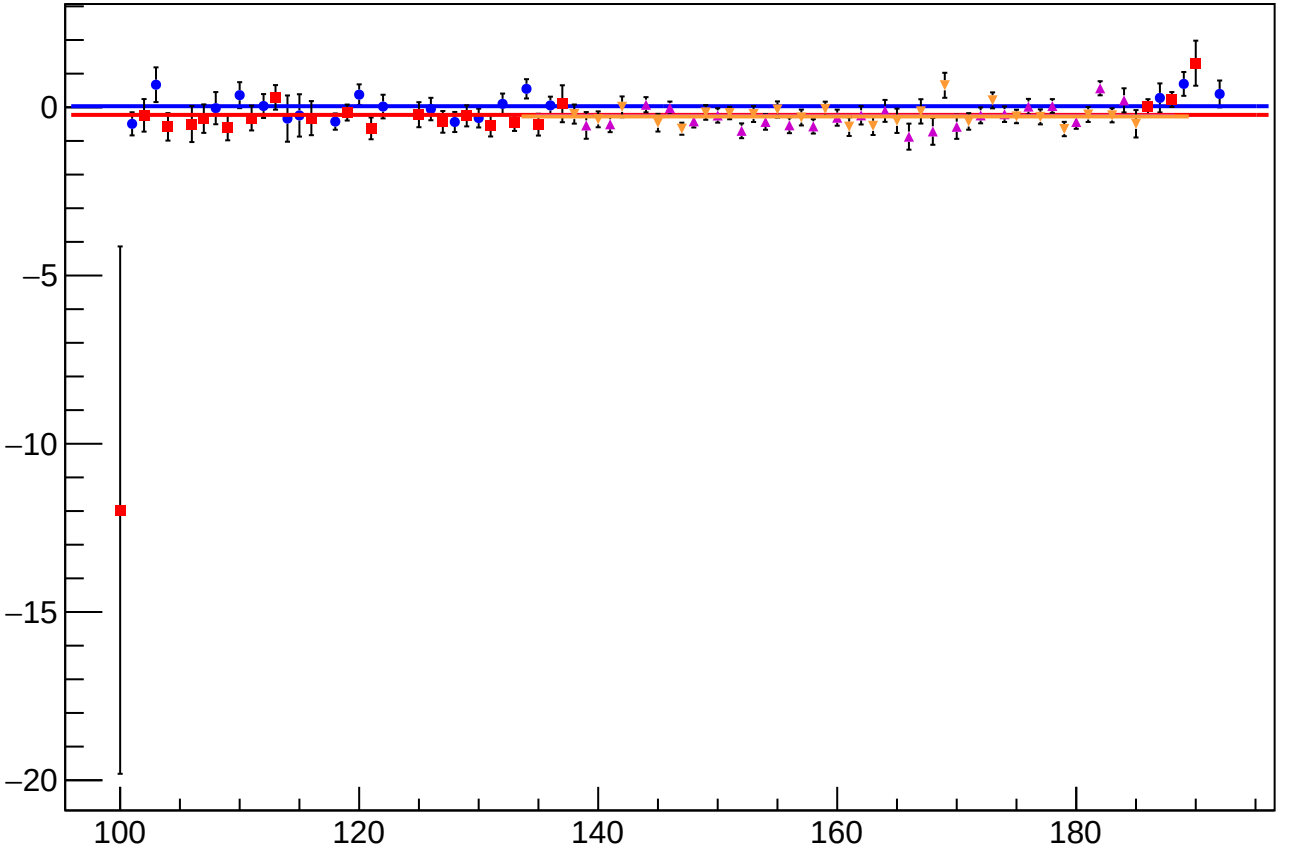
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.012+/-0.042 χ^2/NDF: 64.3/42

All: 0.044+/-0.028 χ^2/NDF: 220.2/86

- sign 0.069+/-0.037 χ^2/NDF: 154.8/43

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



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

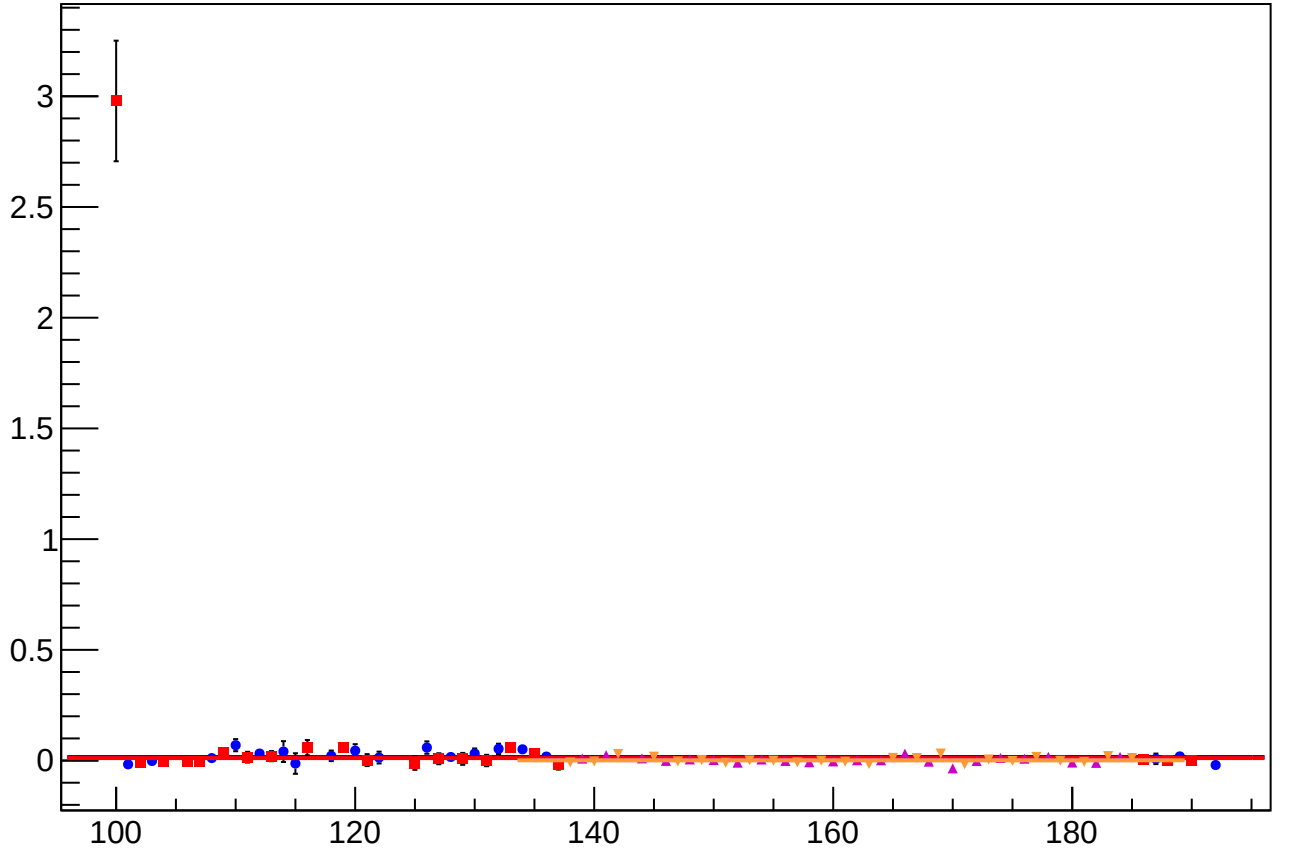
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.186+/-0.042 χ^2/NDF: 57.6/42

All: -0.216+/-0.029 χ^2/NDF: 121.4/86

- sign -0.245+/-0.042 χ^2/NDF: 62.9/43

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



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

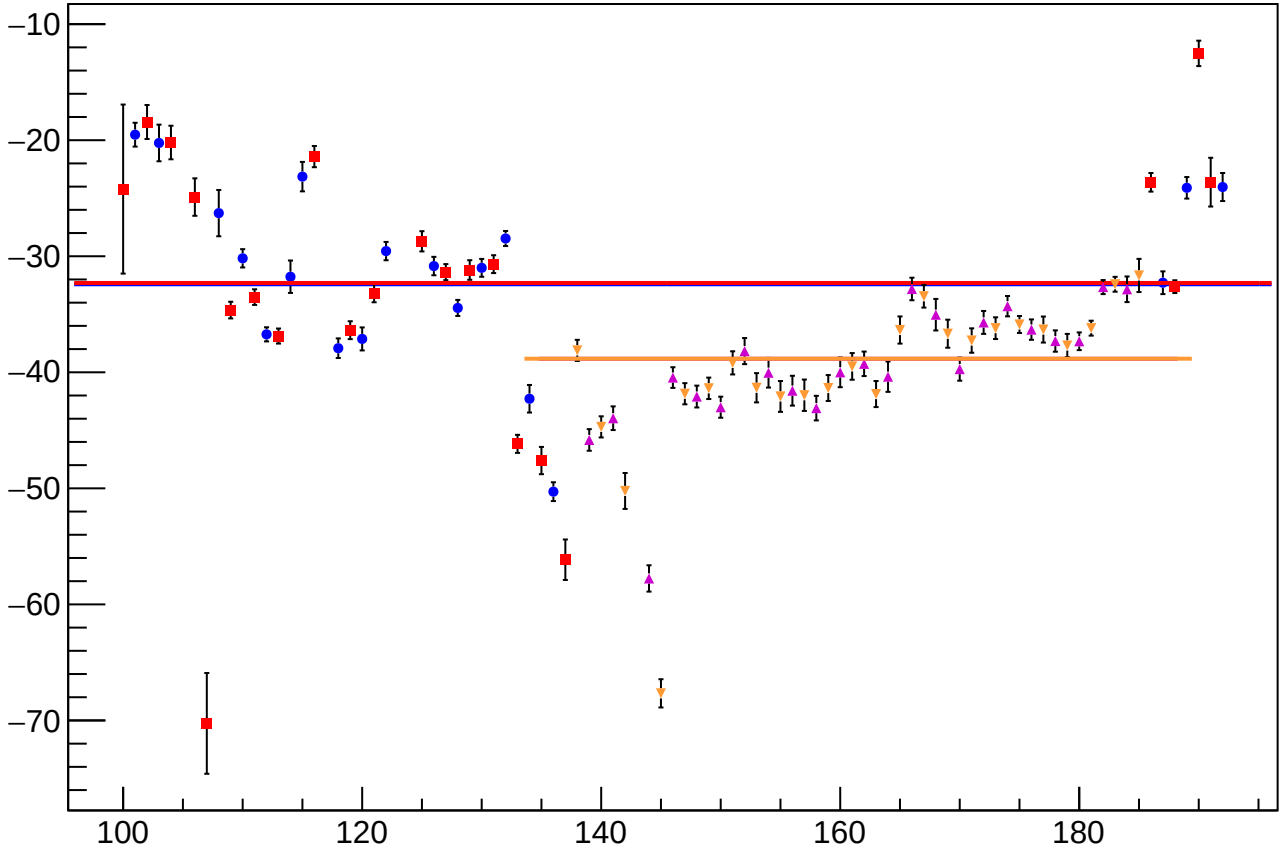
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.004+/-0.002 χ^2/NDF: 68.1/42

All: 0.004+/-0.001 χ^2/NDF: 238.5/86

- sign 0.004+/-0.002 χ^2/NDF: 170.4/43

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

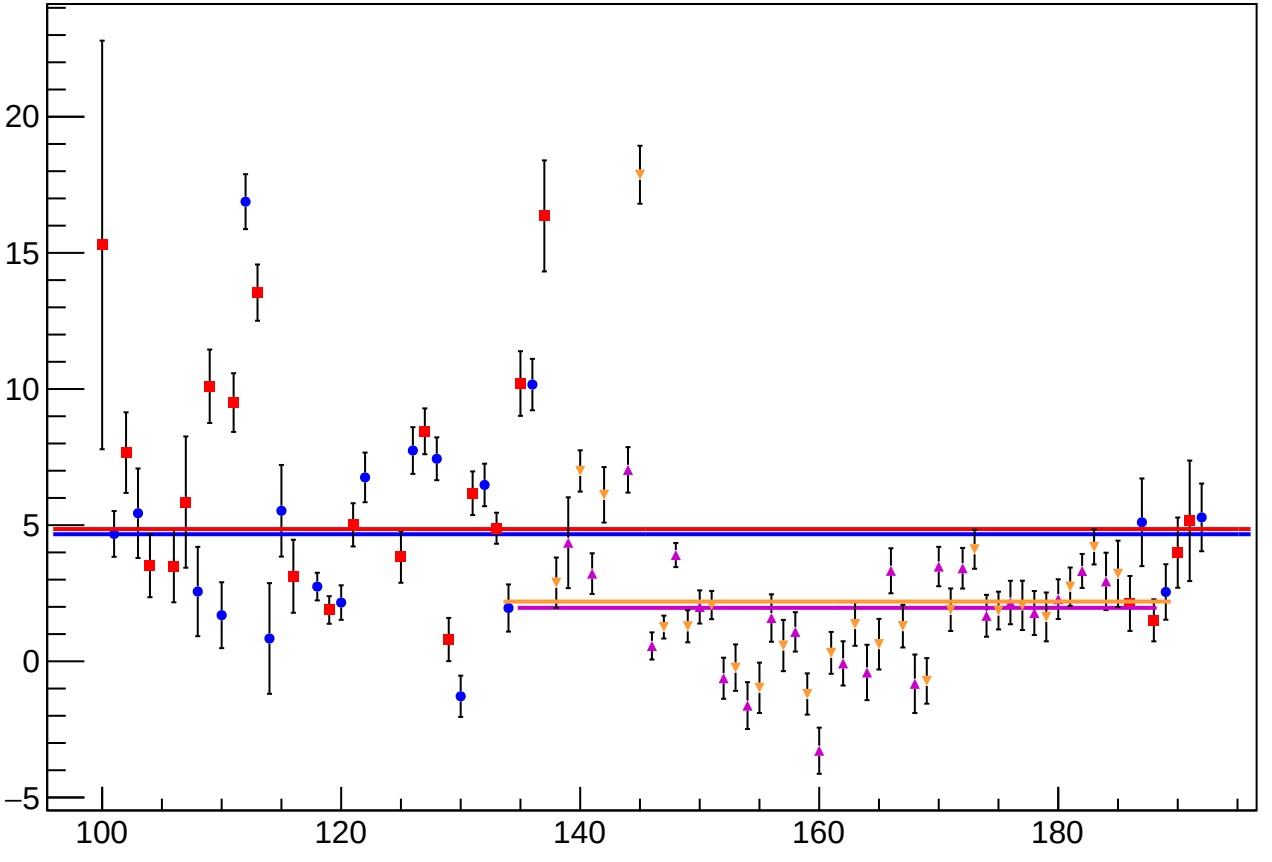
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -35.658+/-0.144 χ^2/NDF: 2568.7/42

All: -35.501+/-0.100 χ^2/NDF: 5428.0/87

- sign -35.354+/-0.139 χ^2/NDF: 2857.1/44

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



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

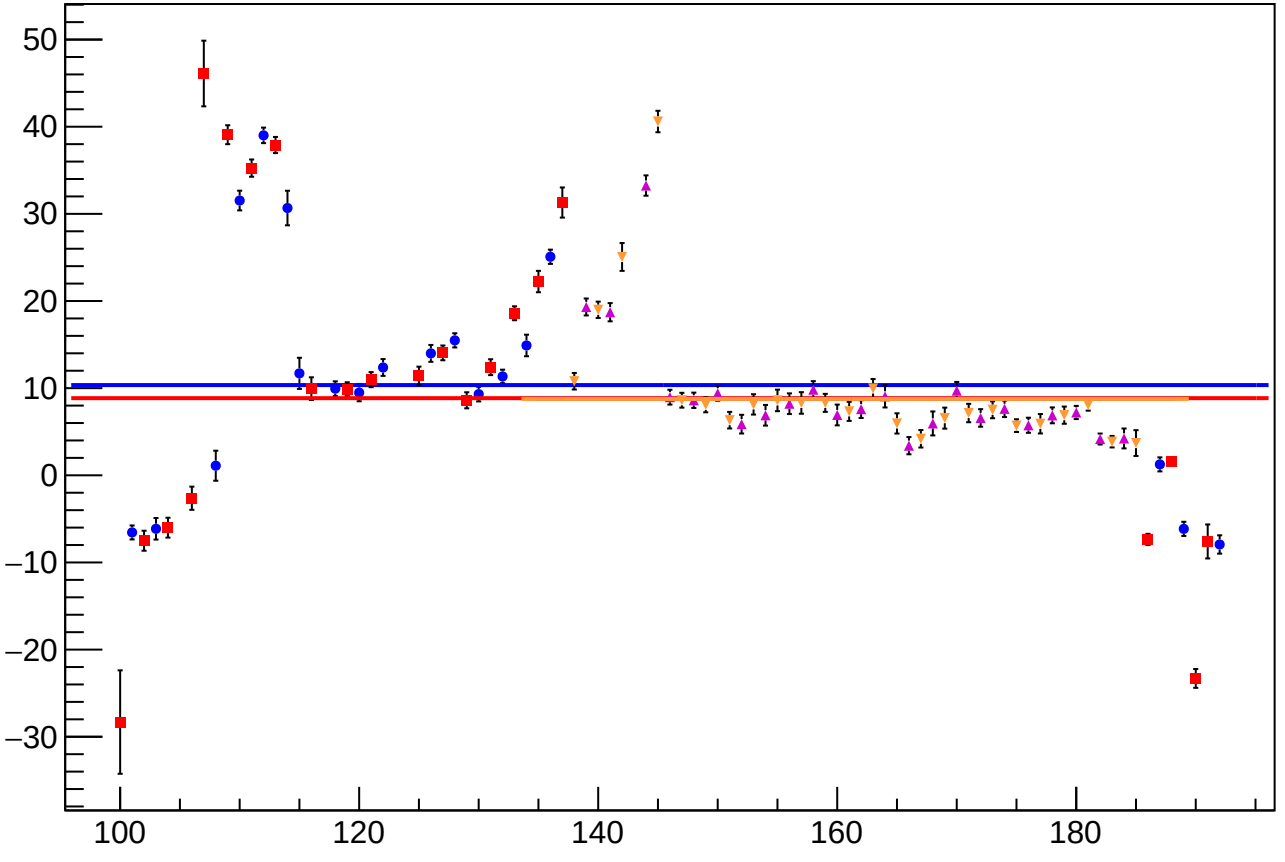
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.049+/-0.123 χ^2/NDF: 790.7/42

All: 3.028+/-0.087 χ^2/NDF: 1365.5/87

- sign 3.006+/-0.124 χ^2/NDF: 574.7/44

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



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

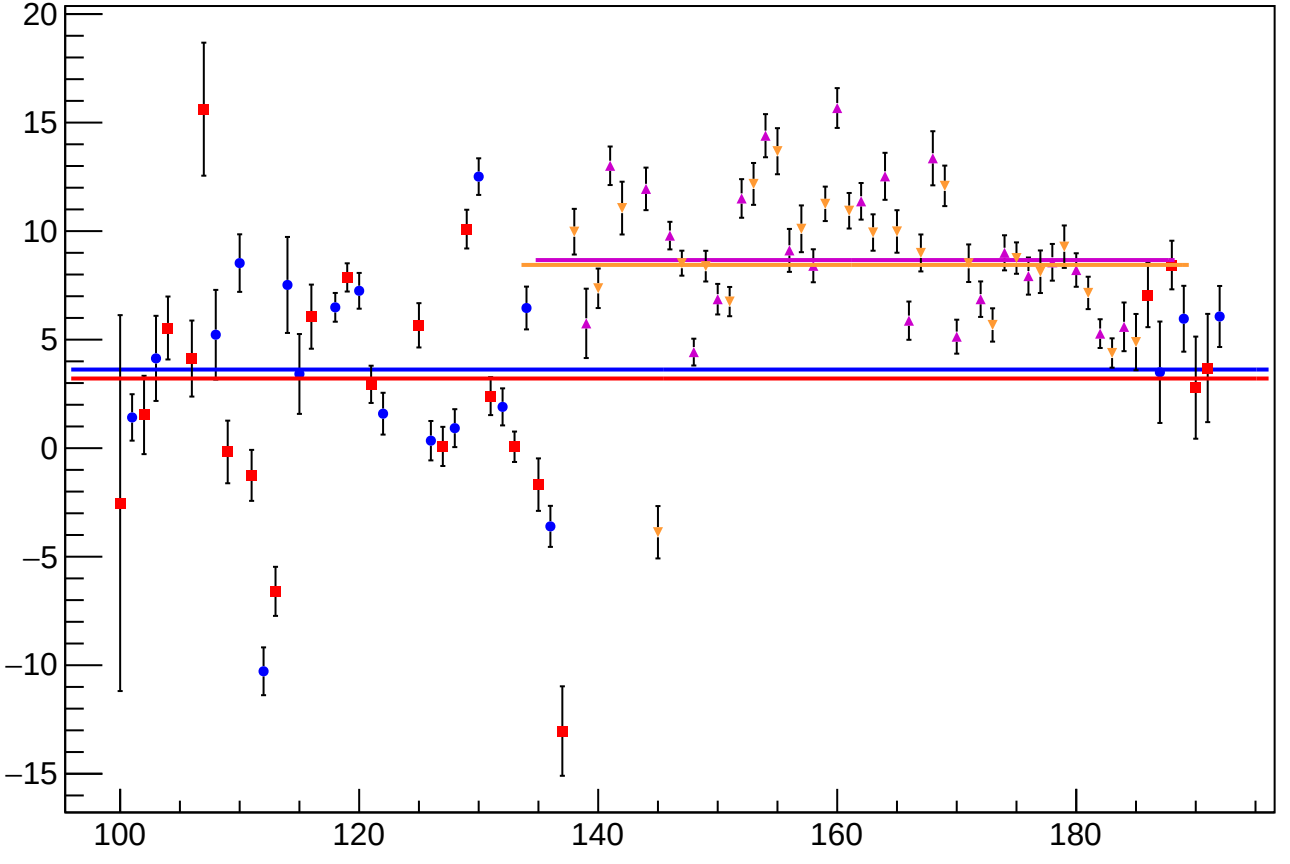
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

\+ sign 9.481+/-0.149 χ^2/NDF: 4444.8/42

All: 9.133+/-0.103 χ^2/NDF: 10665.8/87

\- sign 8.813+/-0.143 χ^2/NDF: 6210.5/44

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



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

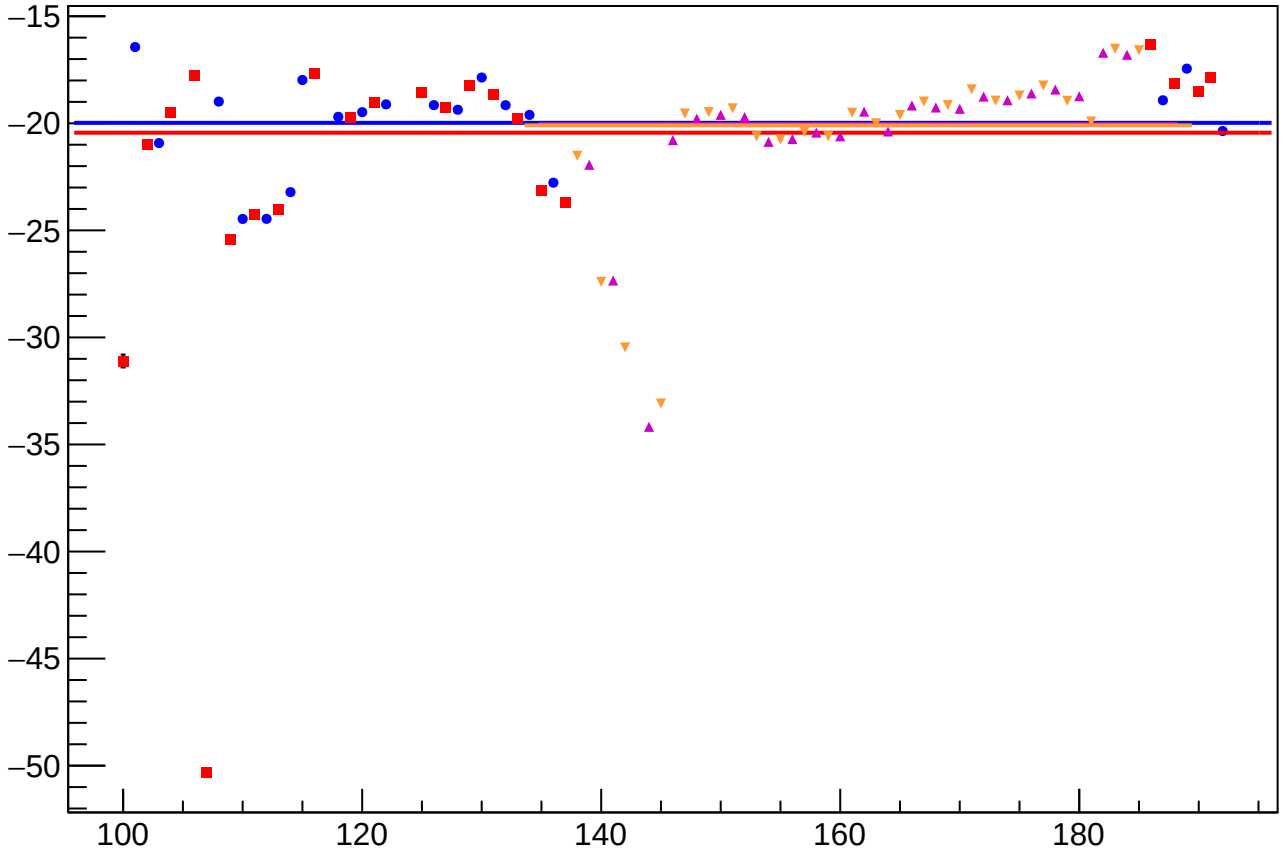
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.832+/-0.142 χ^2/NDF: 955.3/42

All: 6.821+/-0.101 χ^2/NDF: 1964.6/87

\- sign 6.810+/-0.143 χ^2/NDF: 1009.3/44

reg_asym_left_avg_diff_bpm12X_slope vs Slug



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

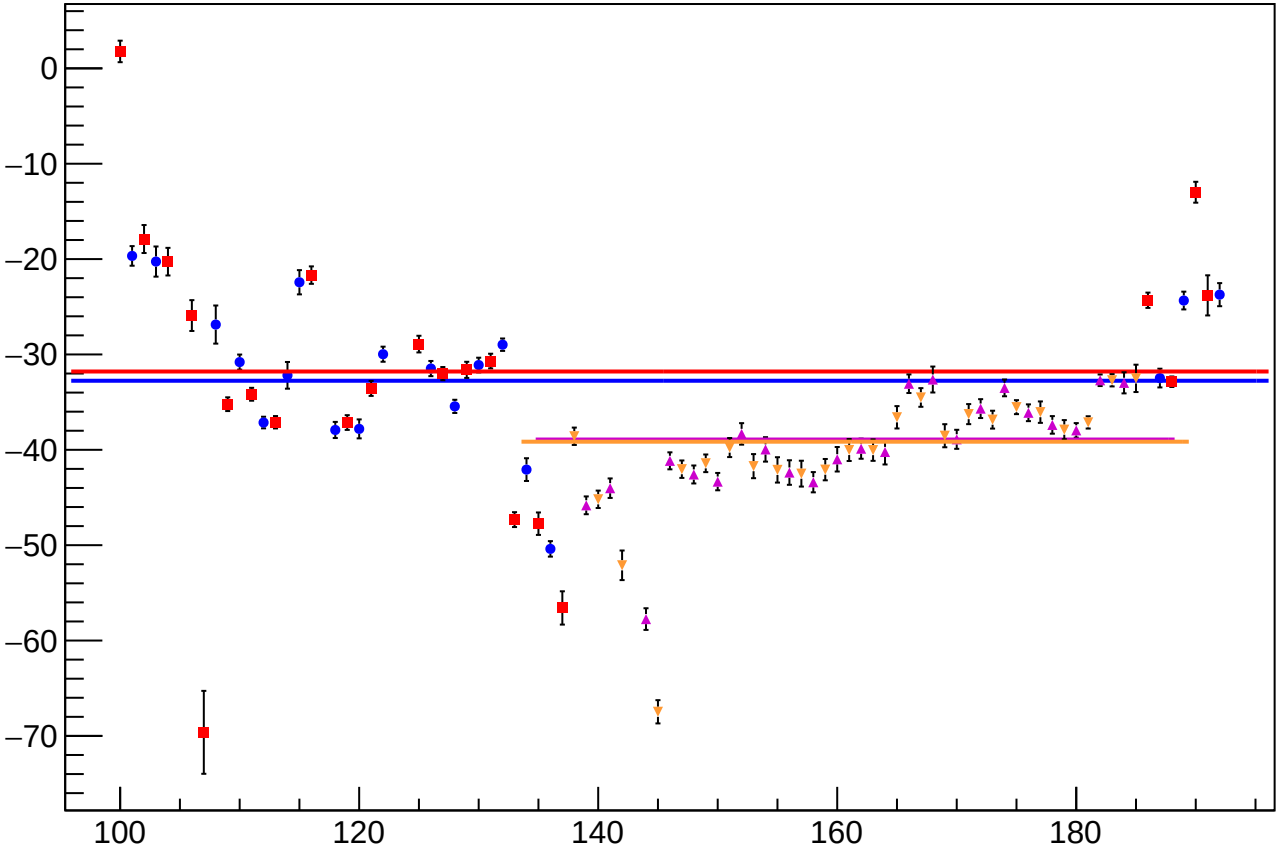
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.069+/-0.007 χ^2/NDF: 181261.8/42

All: -20.098+/-0.005 χ^2/NDF: 378689.9/87

- sign -20.127+/-0.007 χ^2/NDF: 197393.4/44

reg_asym_left_dd_diff_bpm1X_slope vs Slug



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

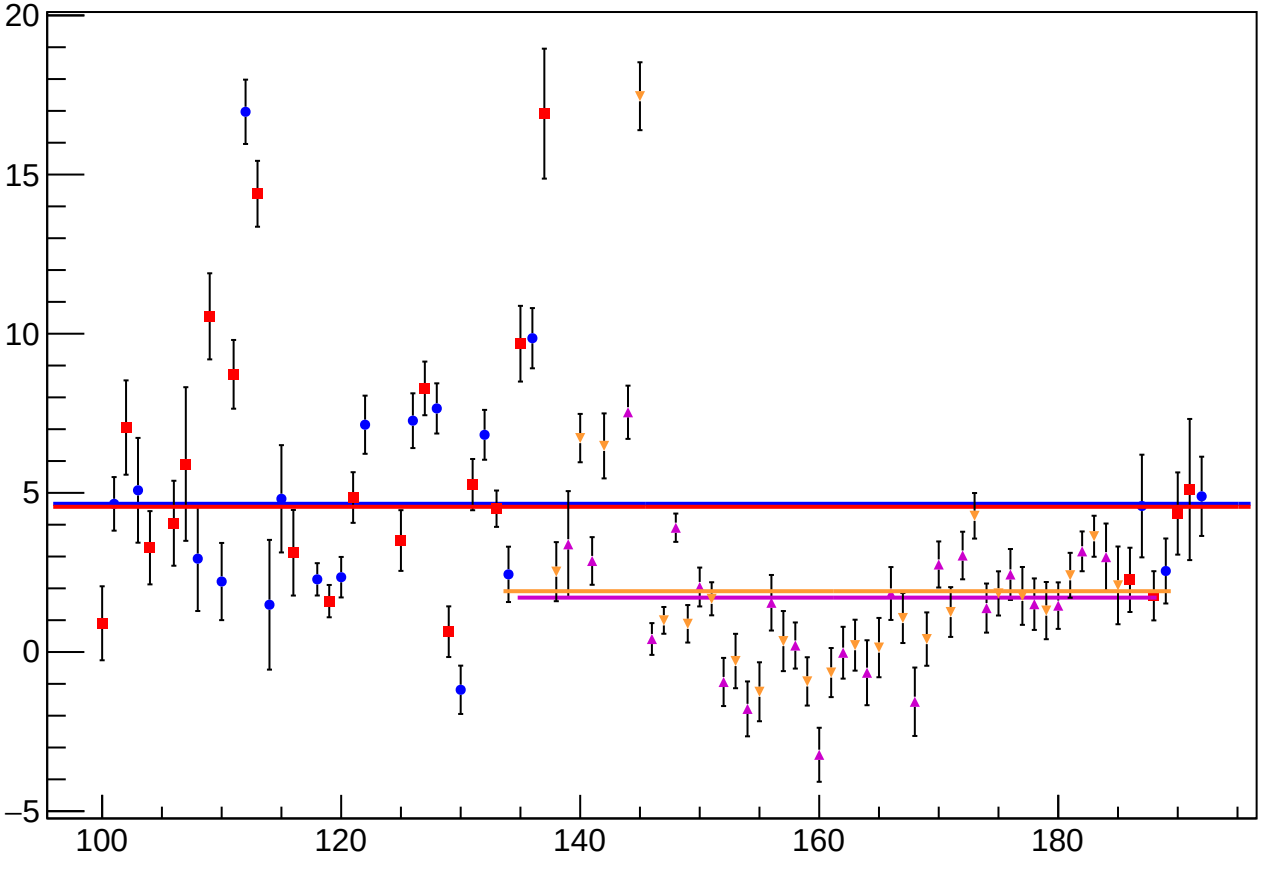
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -35.991+/-0.144 χ^2/NDF: 2549.3/42

All: -35.512+/-0.100 χ^2/NDF: 6514.9/87

- sign -35.070+/-0.138 χ^2/NDF: 3944.3/44

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



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

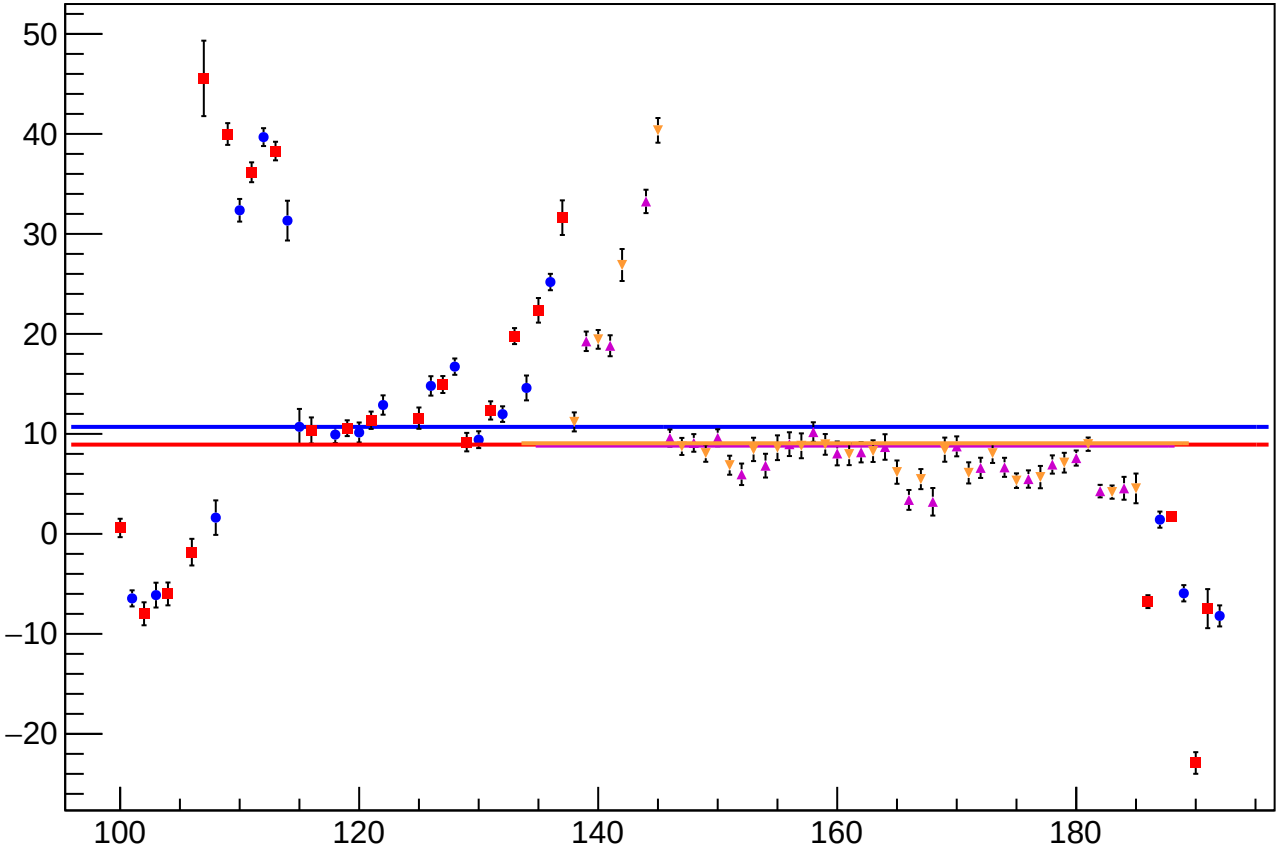
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.859+/-0.123 χ^2/NDF: 801.6/42

All: 2.808+/-0.087 χ^2/NDF: 1402.7/87

- sign 2.756+/-0.123 χ^2/NDF: 600.7/44

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



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

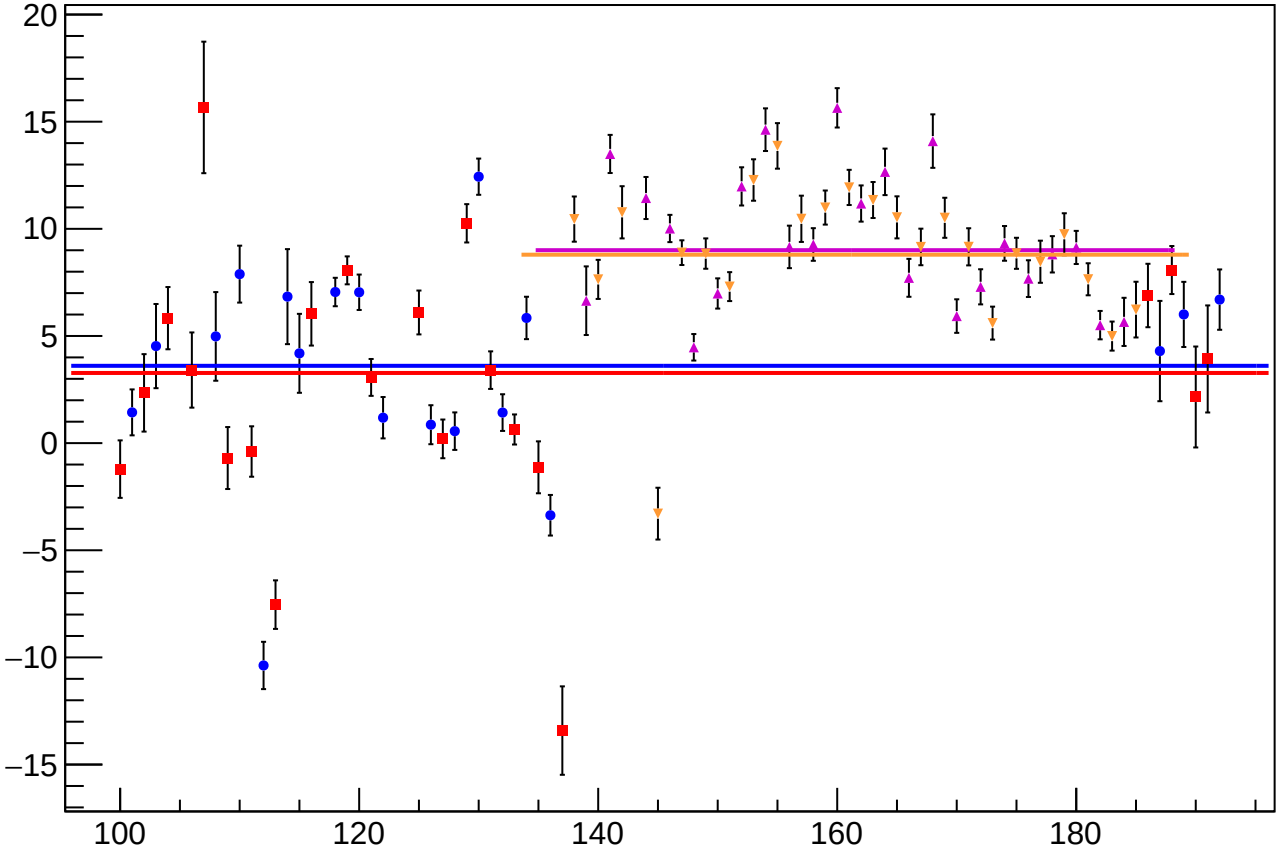
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 9.800+/-0.149 χ^2/NDF: 4532.8/42

All: 9.314+/-0.102 χ^2/NDF: 10898.6/87

- sign 8.878+/-0.141 χ^2/NDF: 6345.6/44

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



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

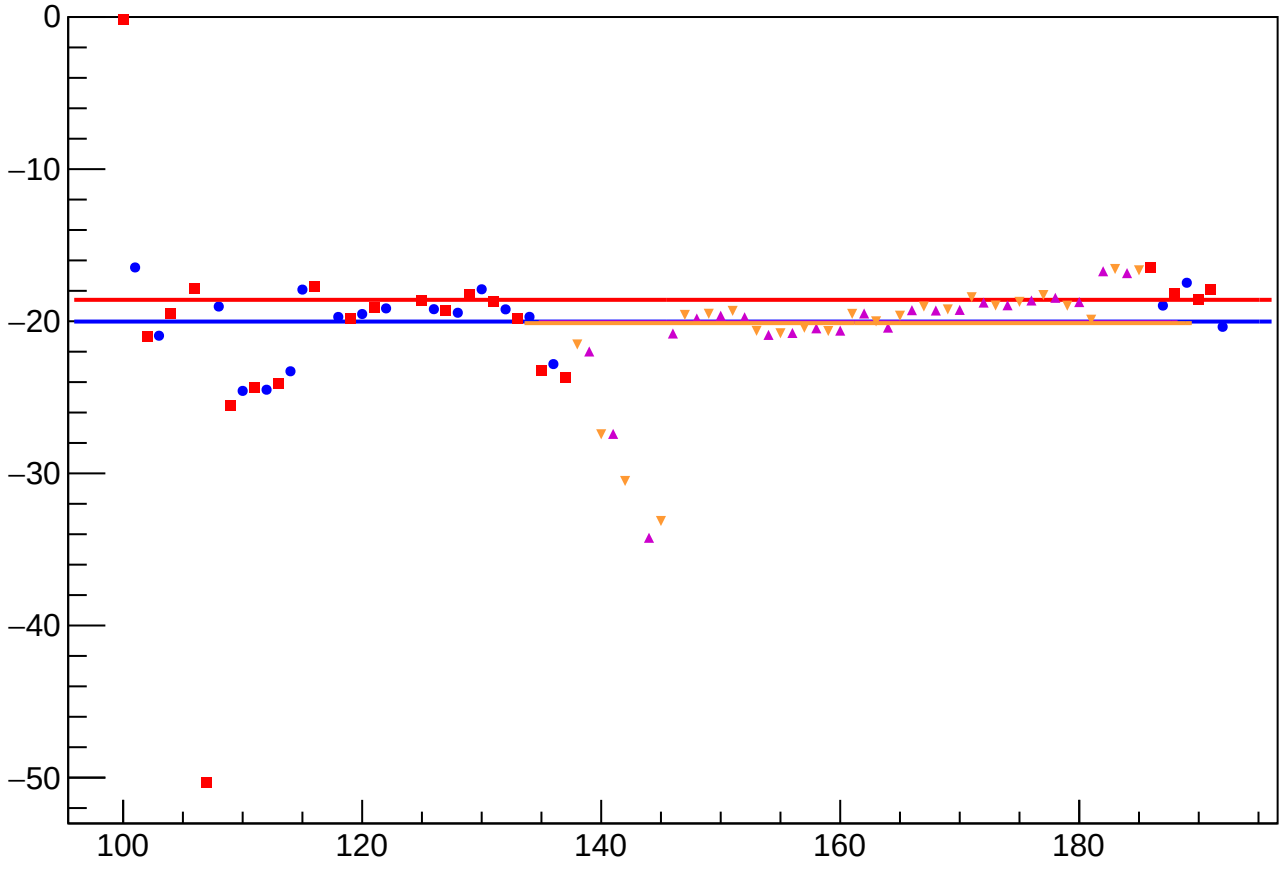
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

\+ sign 7.061+/-0.142 χ^2/NDF: 973.1/42

All: 7.037+/-0.100 χ^2/NDF: 2025.0/87

\- sign 7.014+/-0.142 χ^2/NDF: 1051.9/44

reg_asym_left_dd_diff_bpm12X_slope vs Slug



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

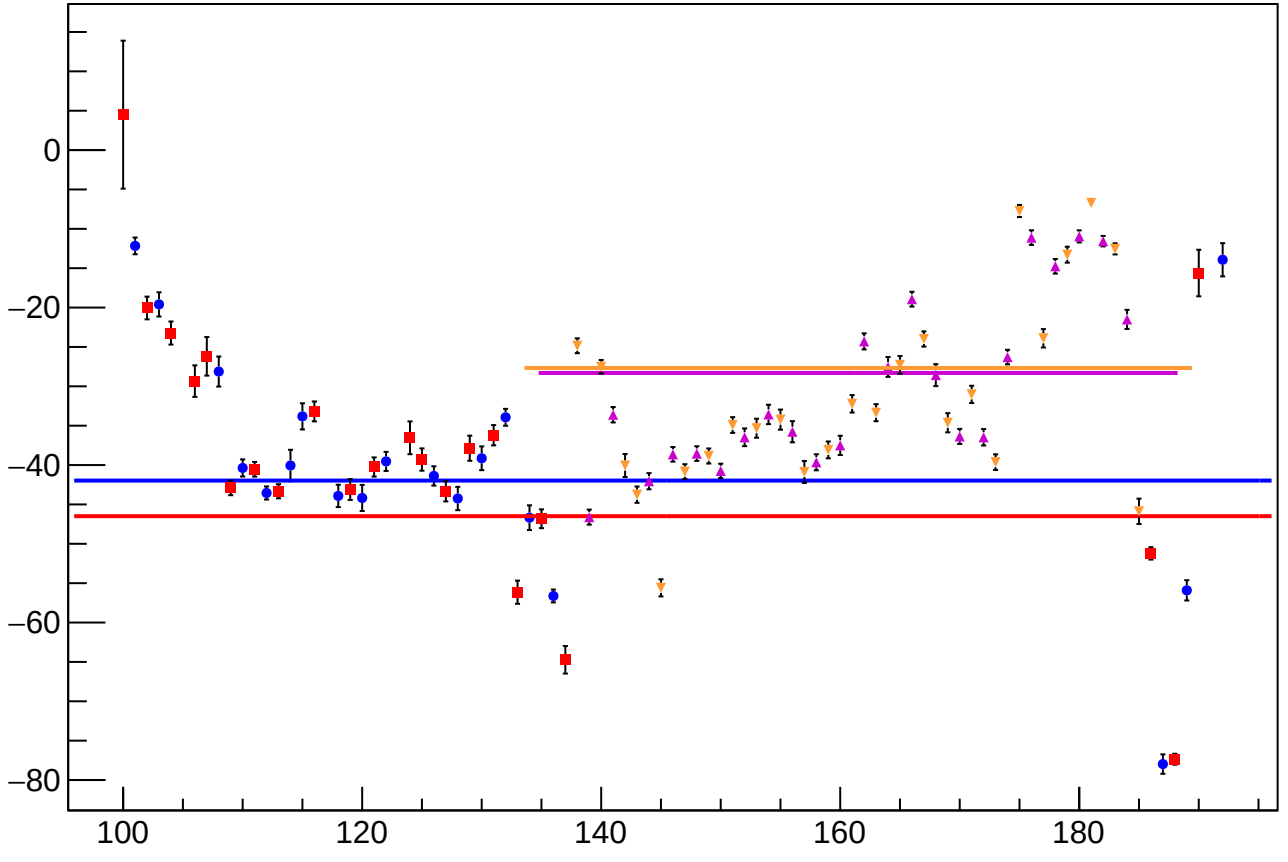
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.099+/-0.007 χ^2/NDF: 180575.7/42

All: -19.904+/-0.005 χ^2/NDF: 558409.8/87

- sign -19.712+/-0.007 χ^2/NDF: 376273.5/44

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -41.970+/-0.291 χ^2/NDF: 2624.2/18

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -46.492+/-0.263 χ^2/NDF: 3382.7/21

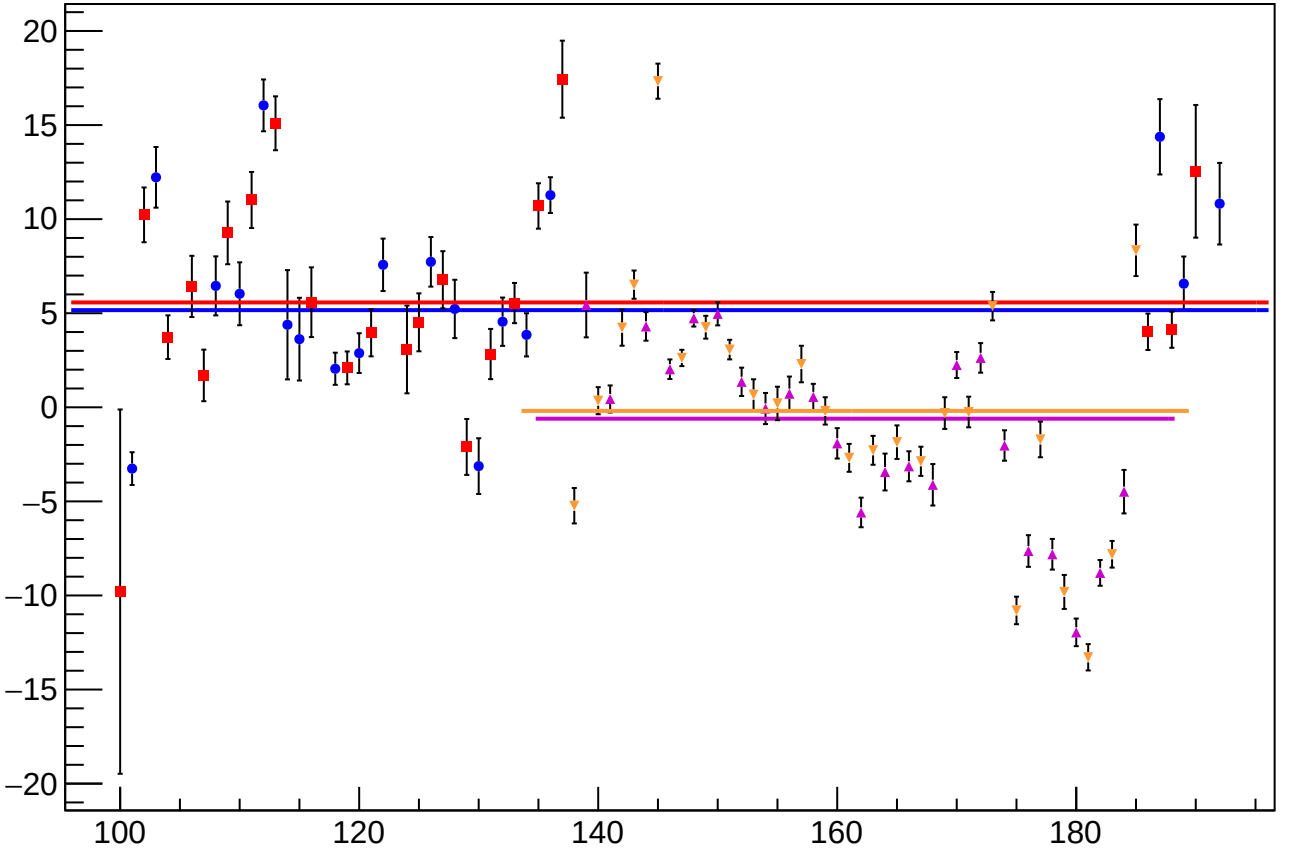
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -32.280+/-0.165 χ^2/NDF: 8662.5/43

All: -33.762+/-0.116 χ^2/NDF: 18437.2/88

- sign -35.193+/-0.162 χ^2/NDF: 9616.2/44

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



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

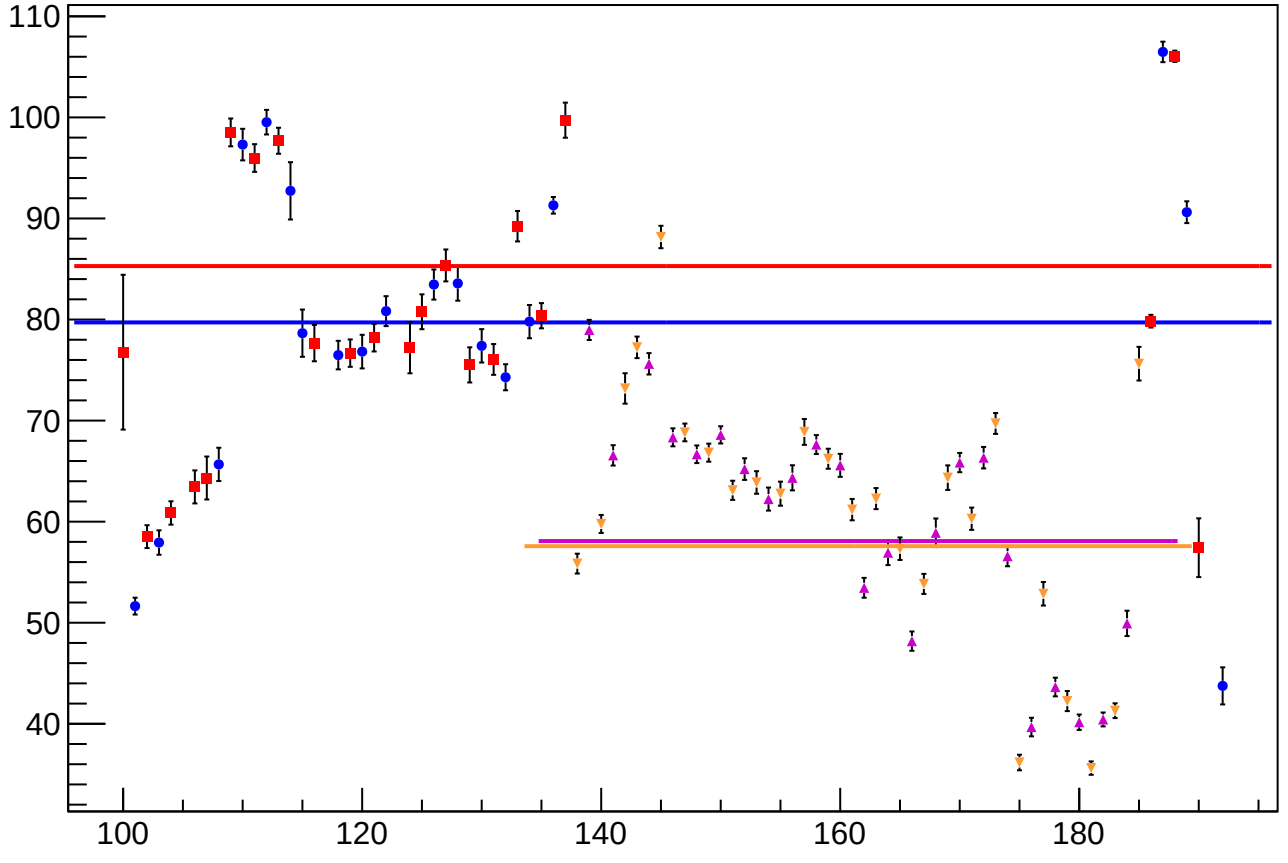
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 0.869+/-0.134 χ^2/NDF: 2101.9/43

All: 0.815+/-0.096 χ^2/NDF: 3624.0/88

- sign 0.759+/-0.137 χ^2/NDF: 1521.7/44

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



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

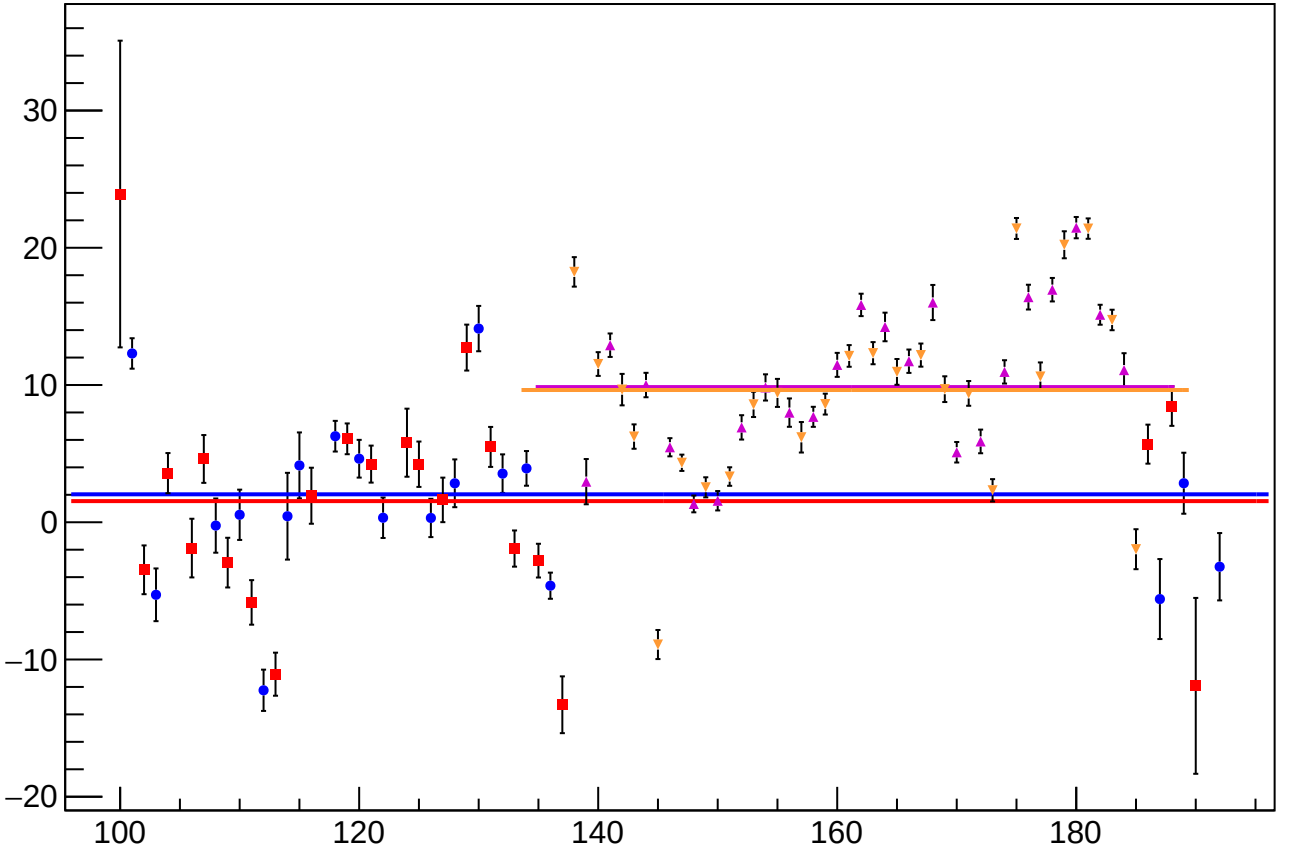
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 64.266+/-0.166 χ^2/NDF: 11797.4/43

All: 66.246+/-0.116 χ^2/NDF: 25569.6/88

- sign 68.118+/-0.162 χ^2/NDF: 13496.1/44

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



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

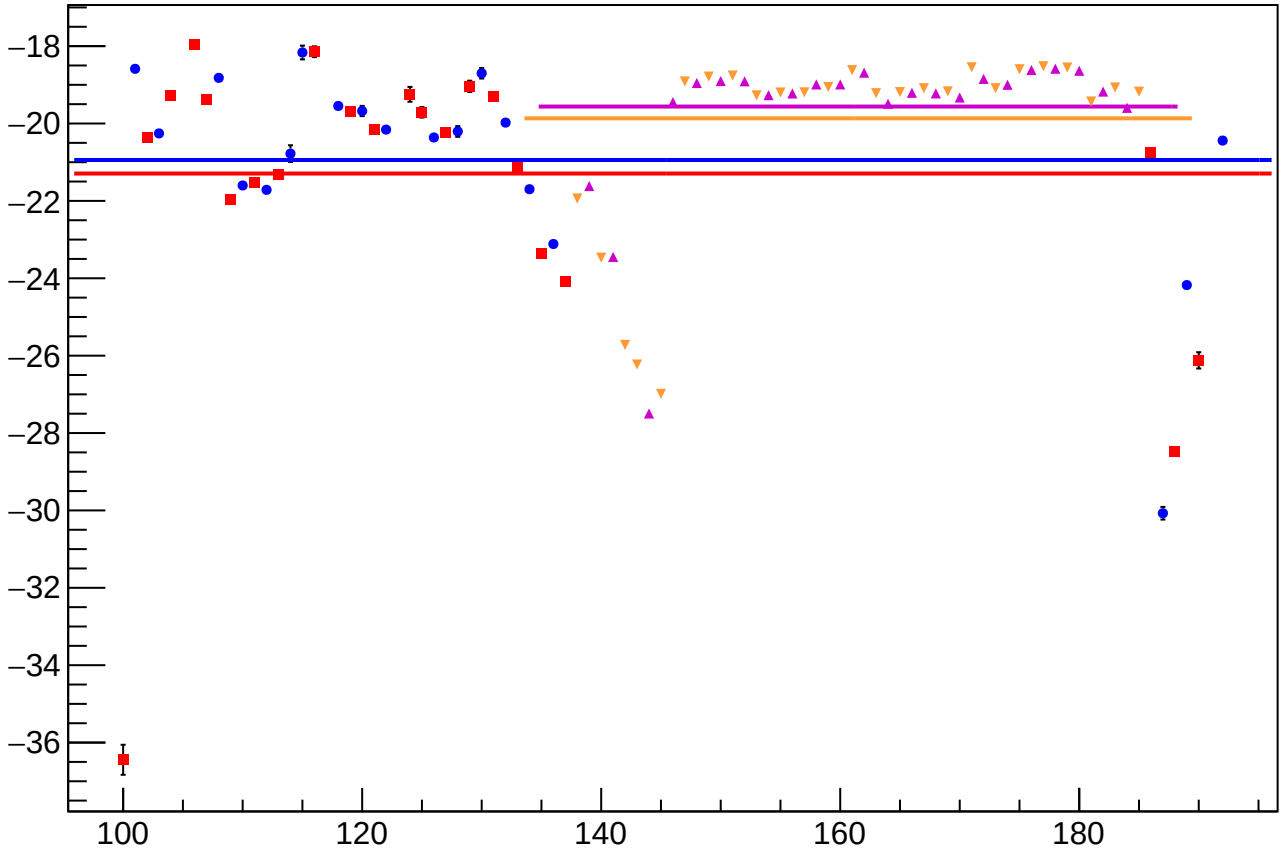
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 8.179+/-0.154 χ^2/NDF: 2200.0/43

All: 8.169+/-0.110 χ^2/NDF: 3940.9/88

- sign 8.158+/-0.157 χ^2/NDF: 1740.9/44

reg_asym_right_avg_diff_bpm12X_slope vs Slug



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

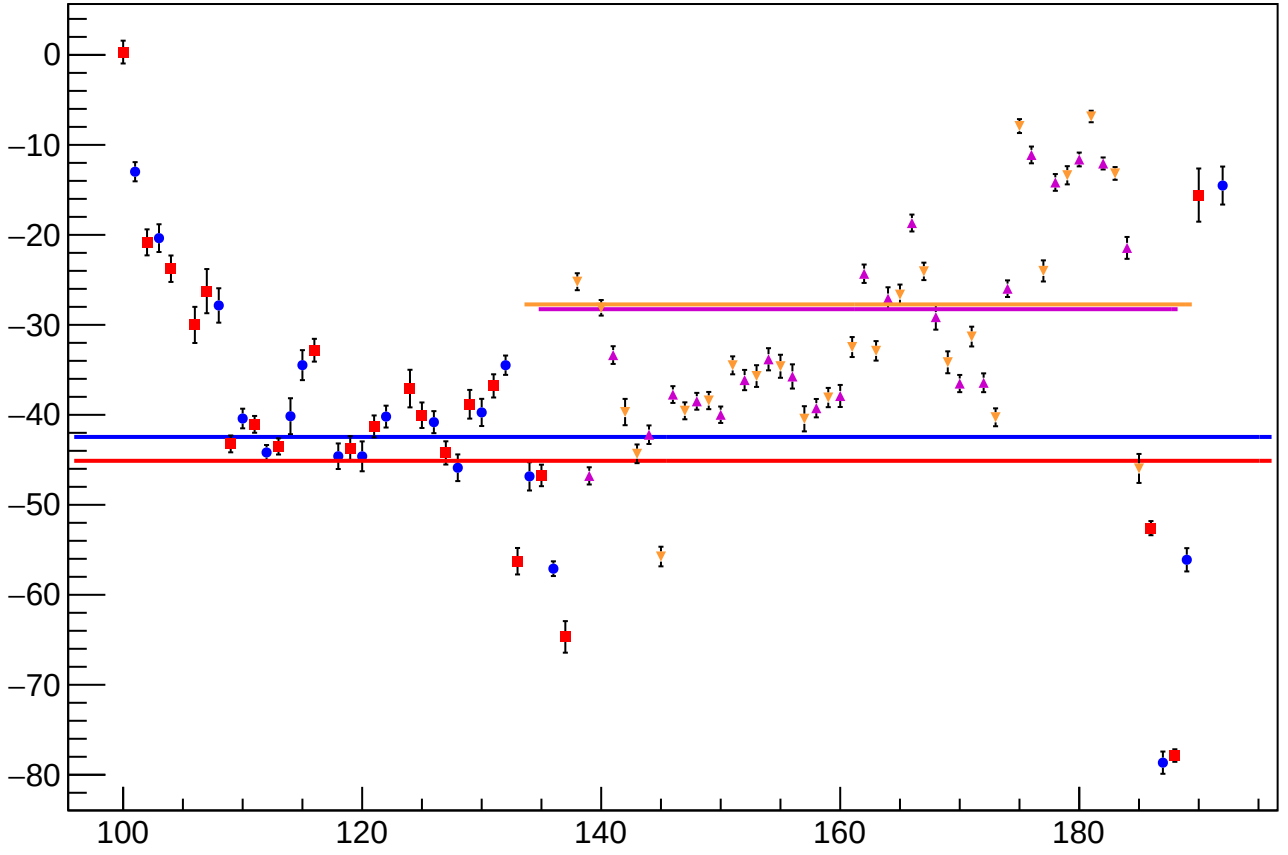
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.032+/-0.007 χ^2/NDF: 93669.6/43

All: -19.926+/-0.005 χ^2/NDF: 165547.5/88

- sign -19.817+/-0.007 χ^2/NDF: 71444.6/44

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

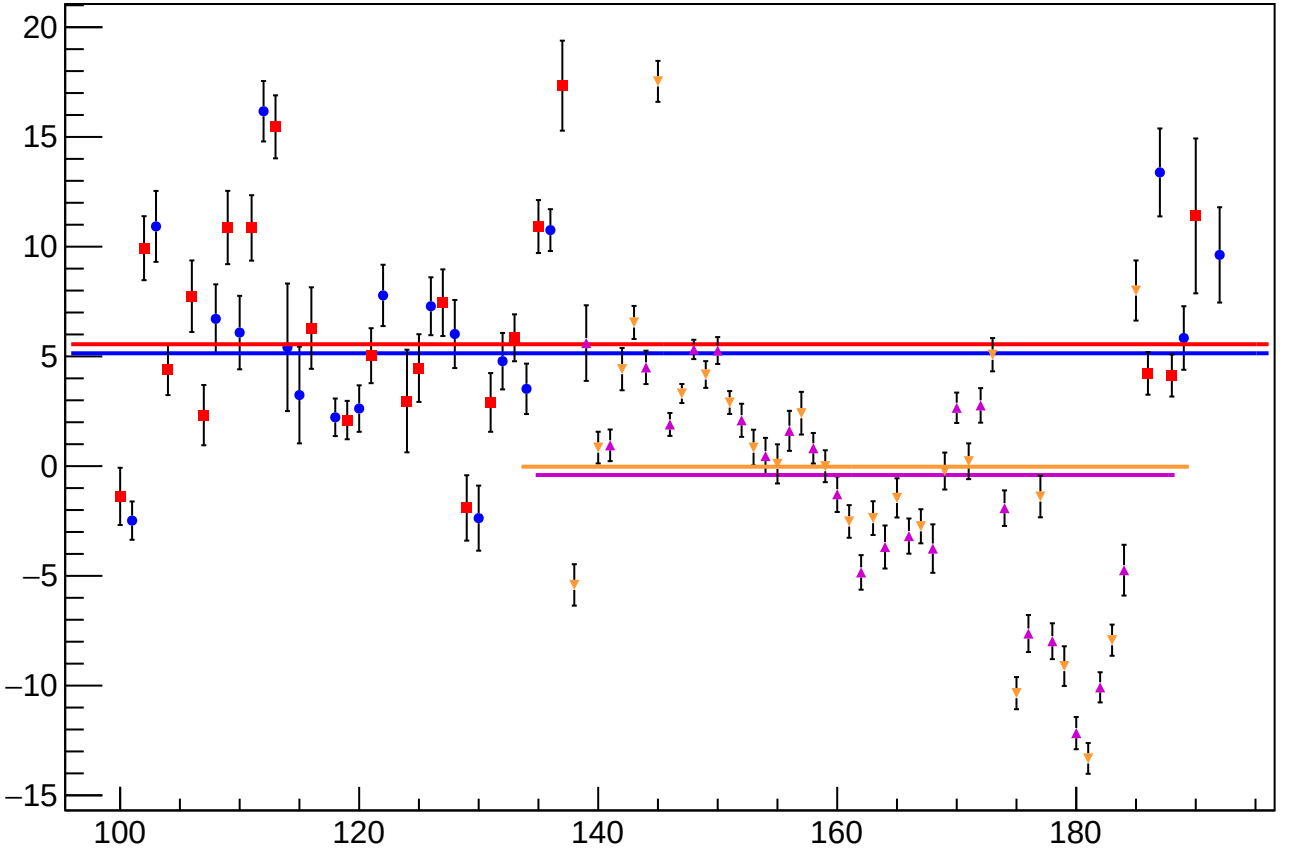
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.478+/-0.165 χ^2/NDF: 8641.4/43

All: -33.675+/-0.115 χ^2/NDF: 19207.1/88

- sign -34.812+/-0.161 χ^2/NDF: 10463.5/44

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 5.142+/-0.303 χ^2/NDF: 263.0/18

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.554+/-0.285 χ^2/NDF: 223.9/21

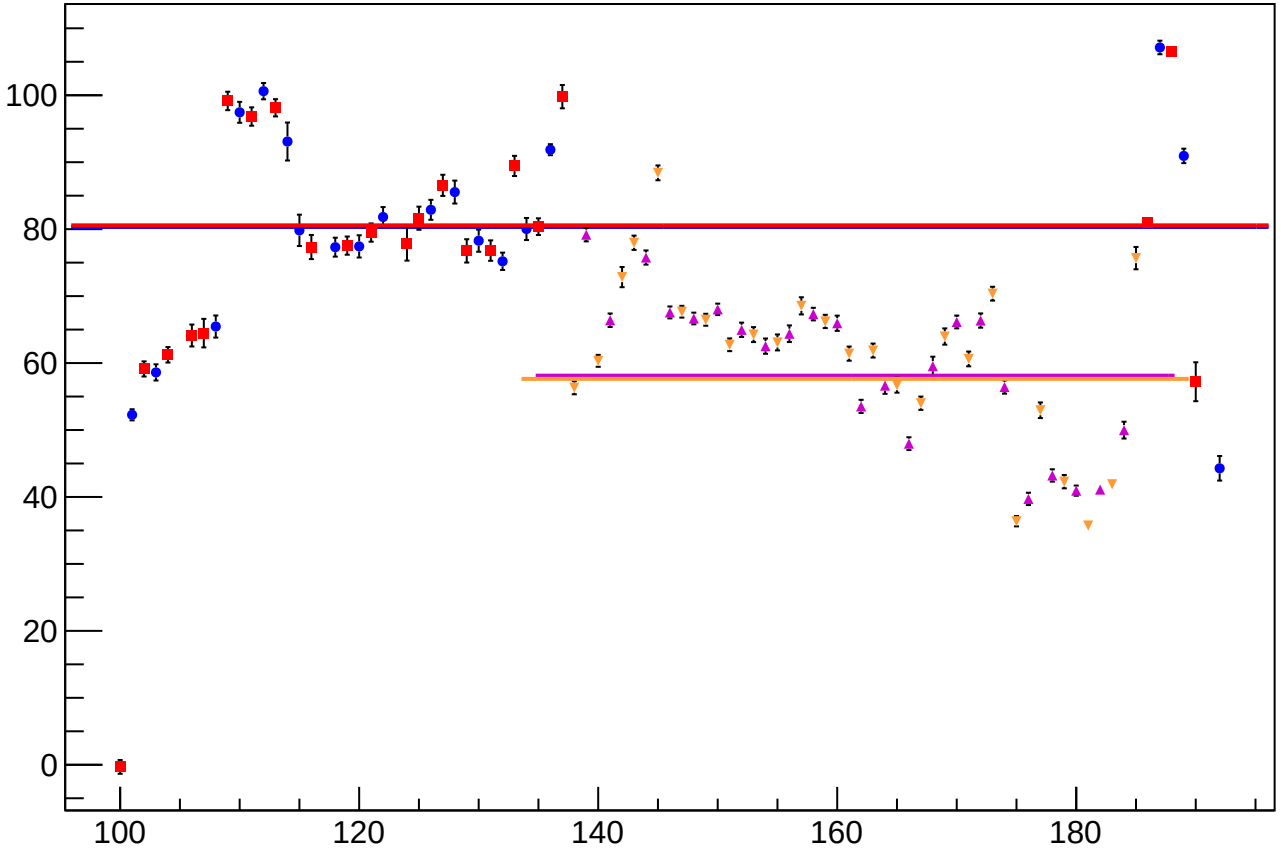
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 0.997+/-0.135 χ^2/NDF: 2028.9/43

All: 0.980+/-0.096 χ^2/NDF: 3673.6/88

- sign 0.962+/-0.136 χ^2/NDF: 1644.7/44

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



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

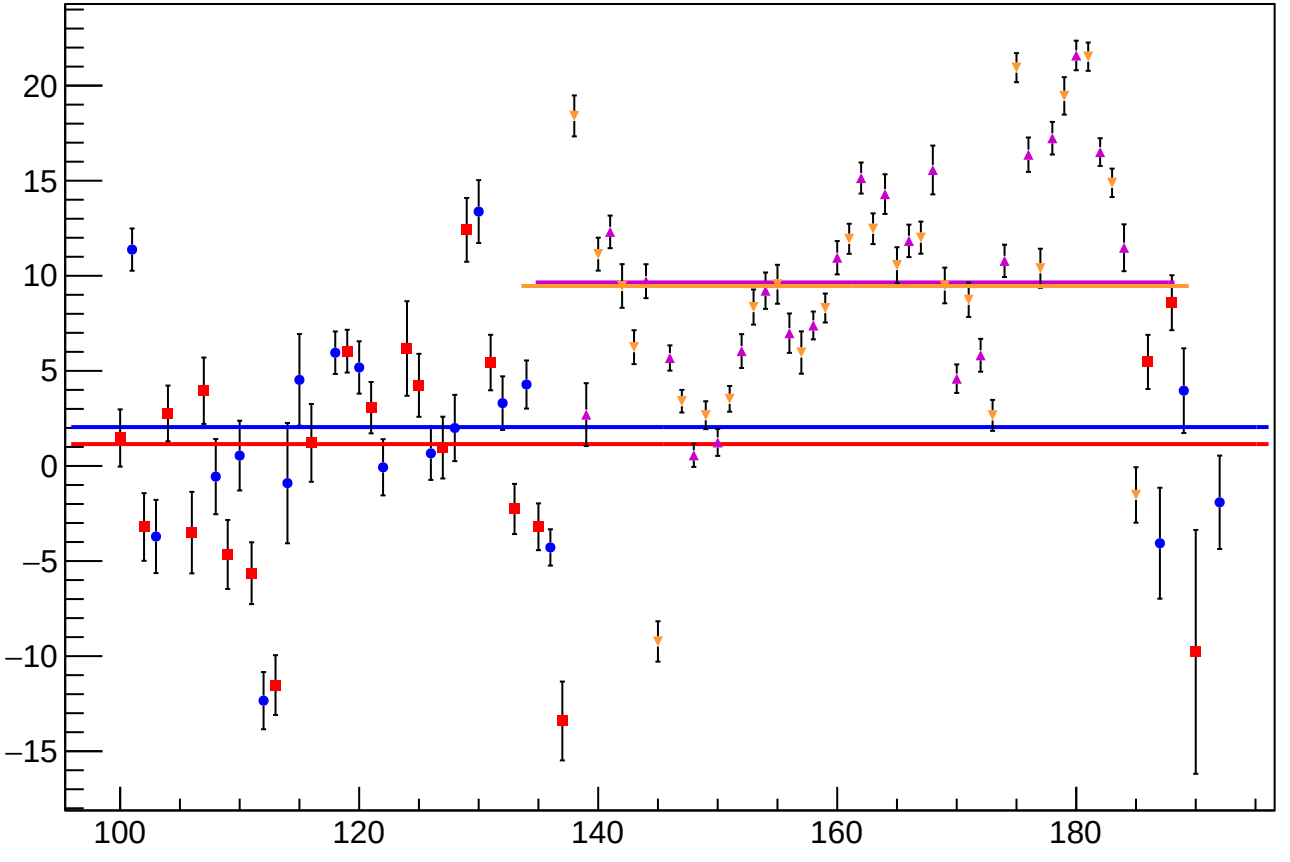
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.498+/-0.166 χ^2/NDF: 11899.2/43

All: 65.663+/-0.115 χ^2/NDF: 29935.4/88

- sign 66.739+/-0.160 χ^2/NDF: 17941.9/44

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



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

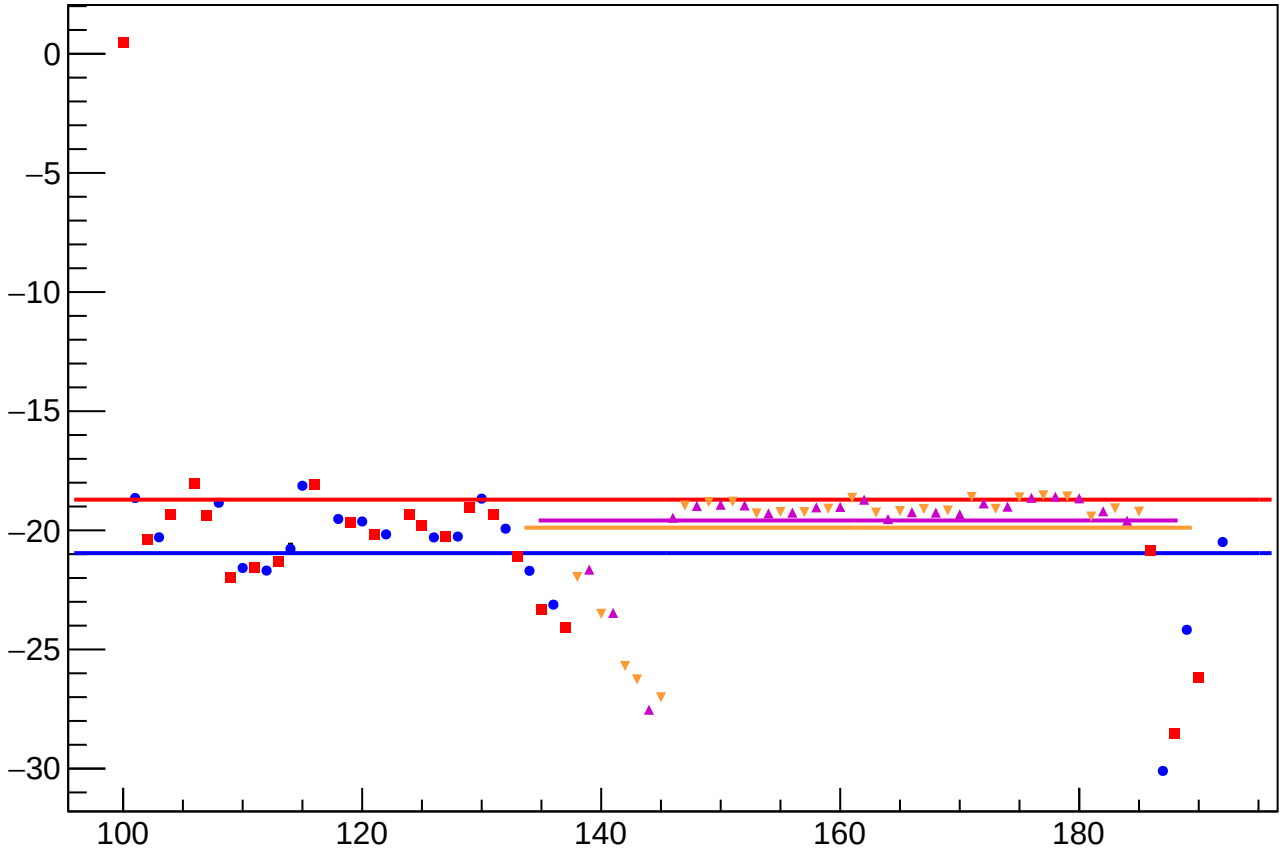
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

\+ sign 8.039+/-0.154 χ^2/NDF: 2139.2/43

All: 7.945+/-0.110 χ^2/NDF: 4006.5/88

\- sign 7.847+/-0.157 χ^2/NDF: 1866.6/44

reg_asym_right_dd_diff_bpm12X_slope vs Slug



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

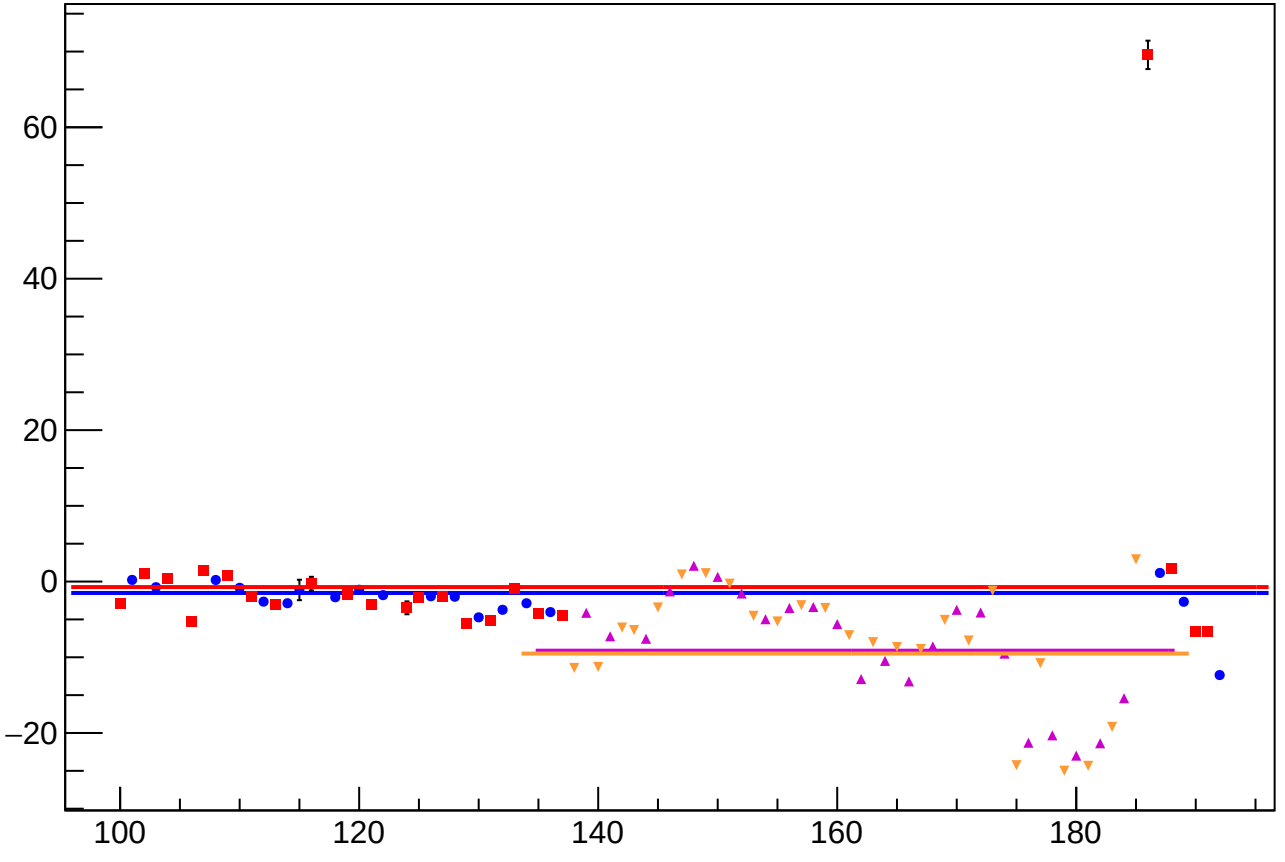
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

\+ sign -20.053+/-0.007 χ^2/NDF: 93099.2/43

All: -19.750+/-0.005 χ^2/NDF: 313512.7/88

\- sign -19.443+/-0.007 χ^2/NDF: 216881.1/44

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



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

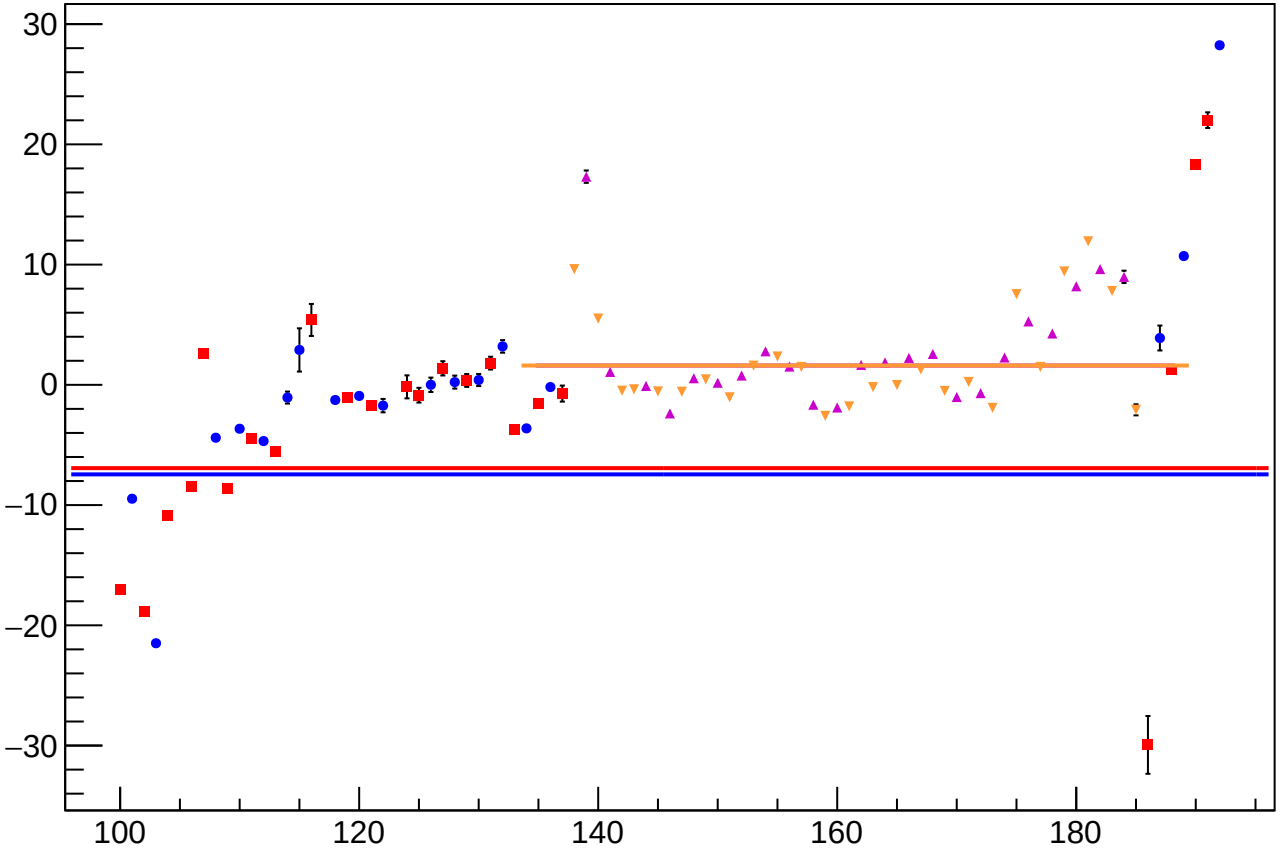
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

\+ sign -4.301+/-0.043 χ^2/NDF: 22335.7/43

All: -3.728+/-0.030 χ^2/NDF: 45299.6/89

\- sign -3.213+/-0.041 χ^2/NDF: 22625.4/45

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



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

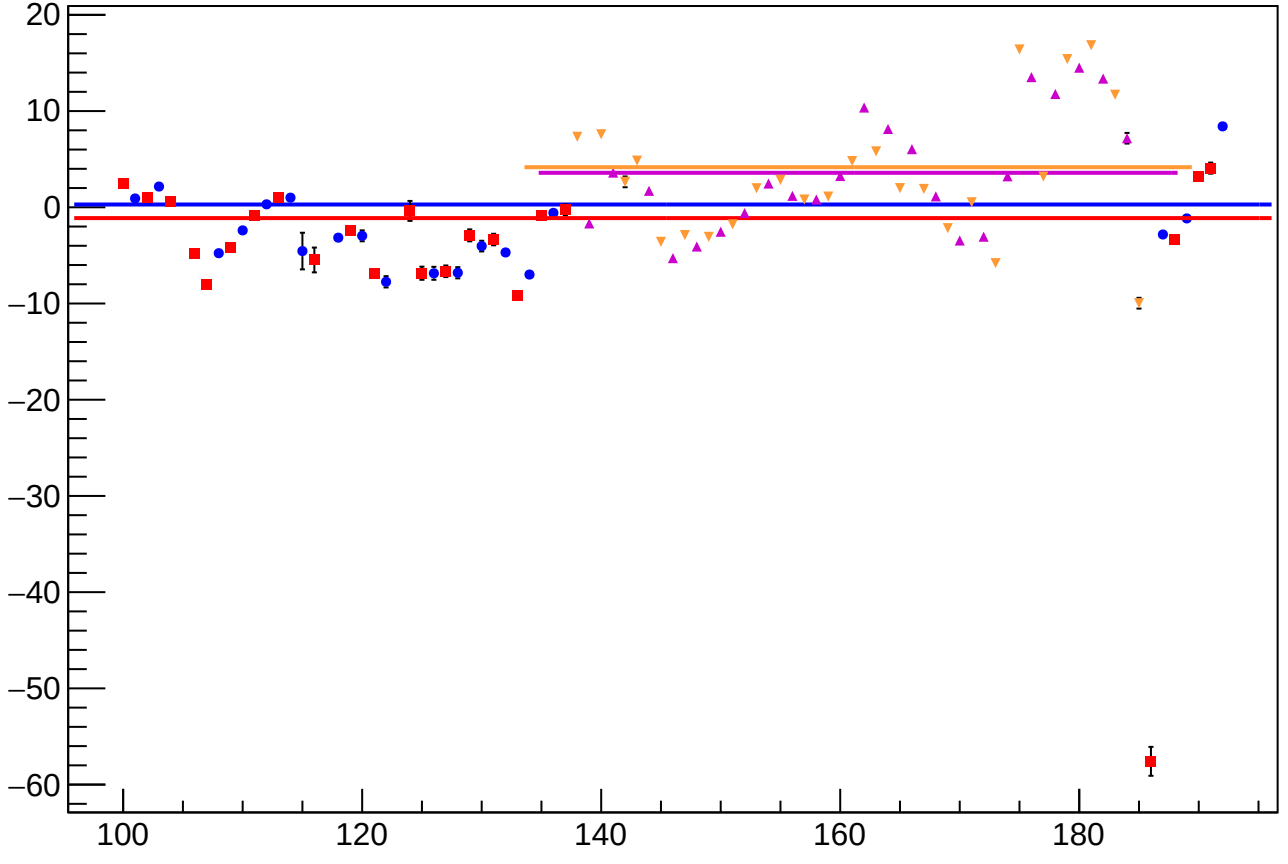
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -2.879+/-0.039 χ^2/NDF: 43222.9/43

All: -2.855+/-0.028 χ^2/NDF: 80267.0/89

- sign -2.829+/-0.040 χ^2/NDF: 37043.3/45

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



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

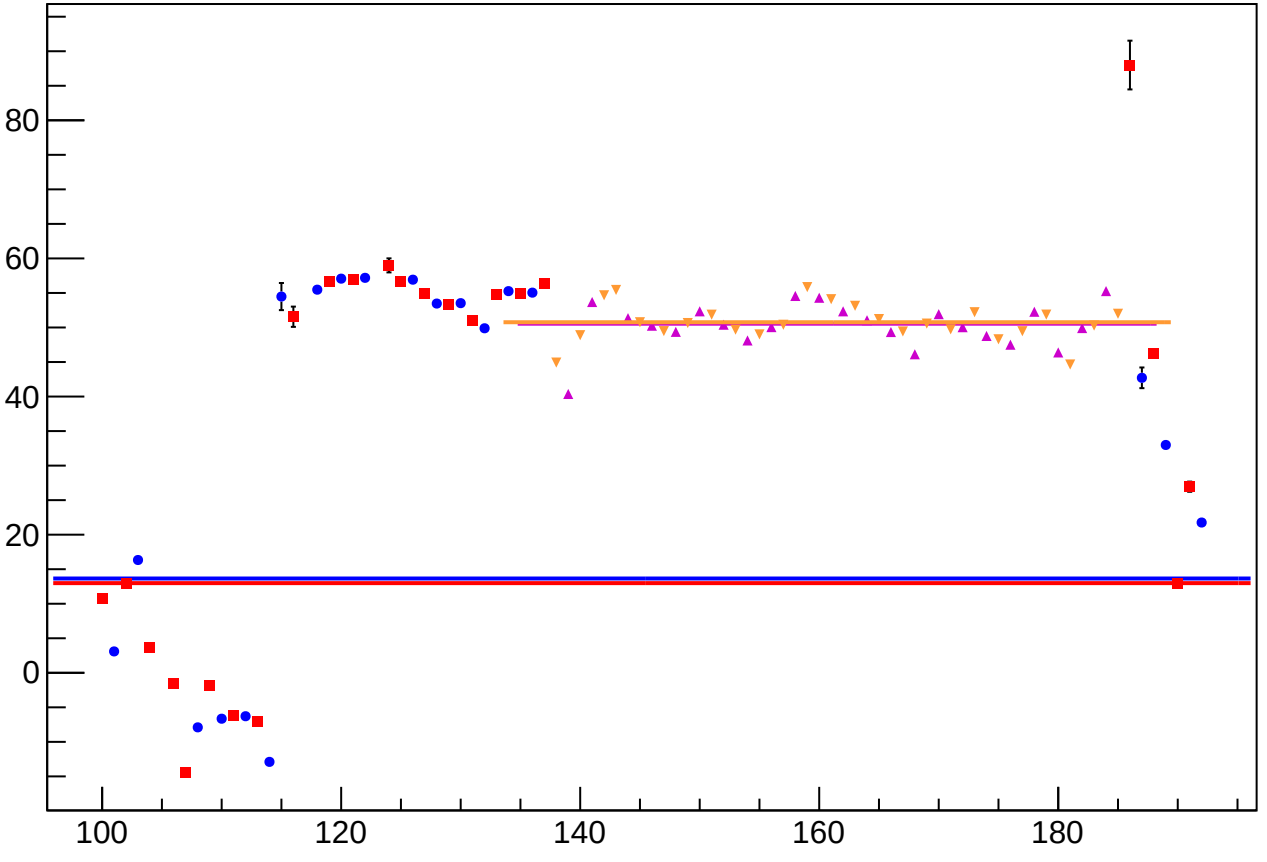
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.595+/-0.042 χ^2/NDF: 13818.3/43

All: 0.956+/-0.029 χ^2/NDF: 29169.0/89

- sign 0.337+/-0.041 χ^2/NDF: 14891.7/45

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



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

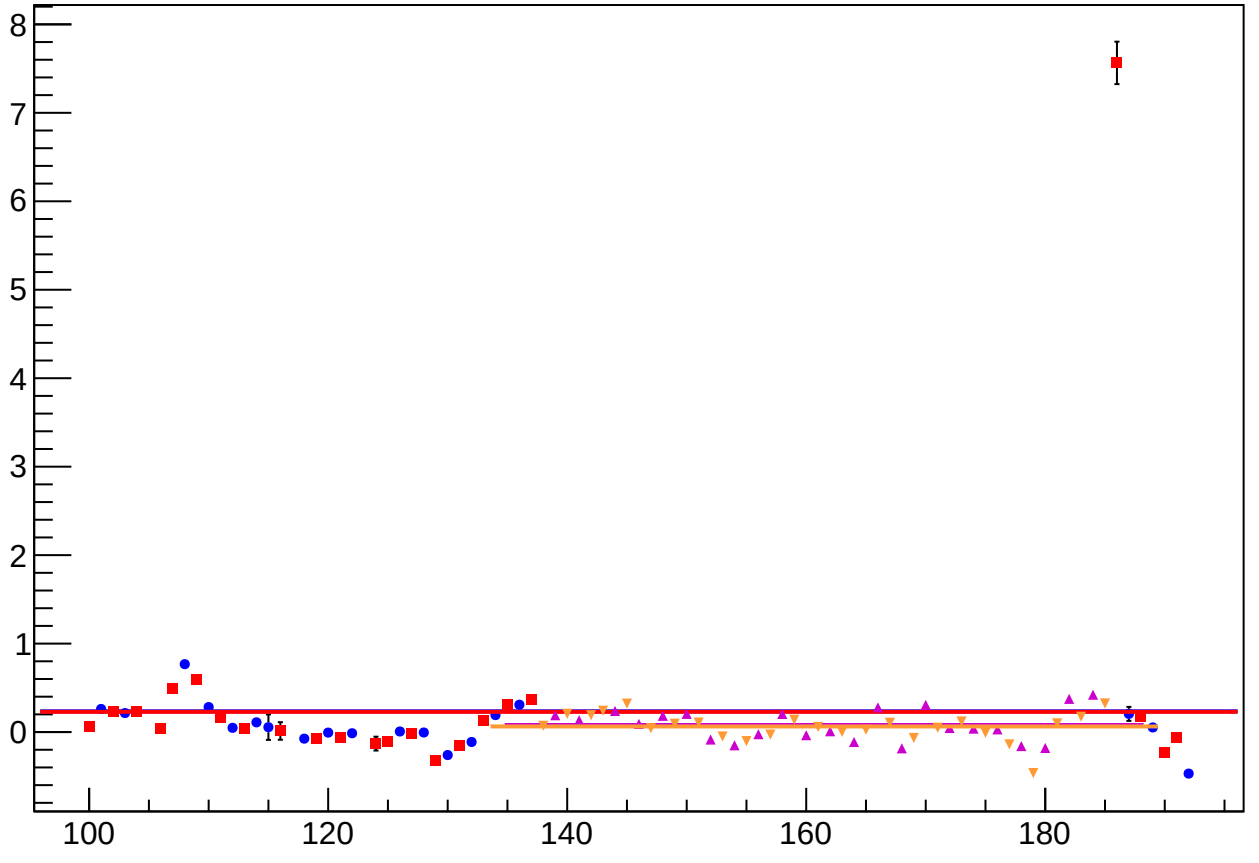
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 33.408+/-0.046 χ^2/NDF: 277354.4/43

All: 32.811+/-0.032 χ^2/NDF: 570409.9/89

- sign 32.193+/-0.046 χ^2/NDF: 292705.6/45

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



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

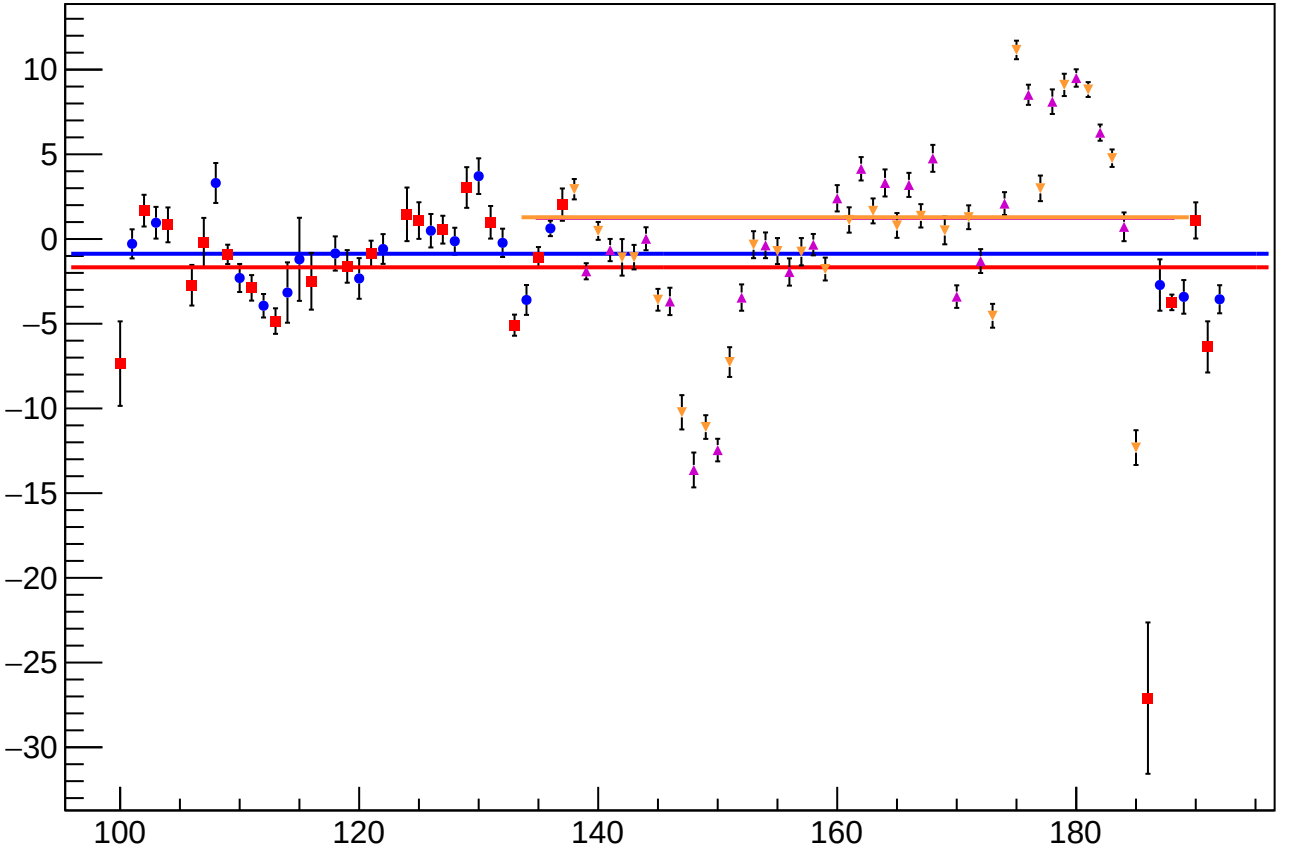
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.151+/-0.002 χ^2/NDF: 11114.4/43

All: 0.155+/-0.001 χ^2/NDF: 19932.3/89

- sign 0.159+/-0.002 χ^2/NDF: 8811.1/45

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



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

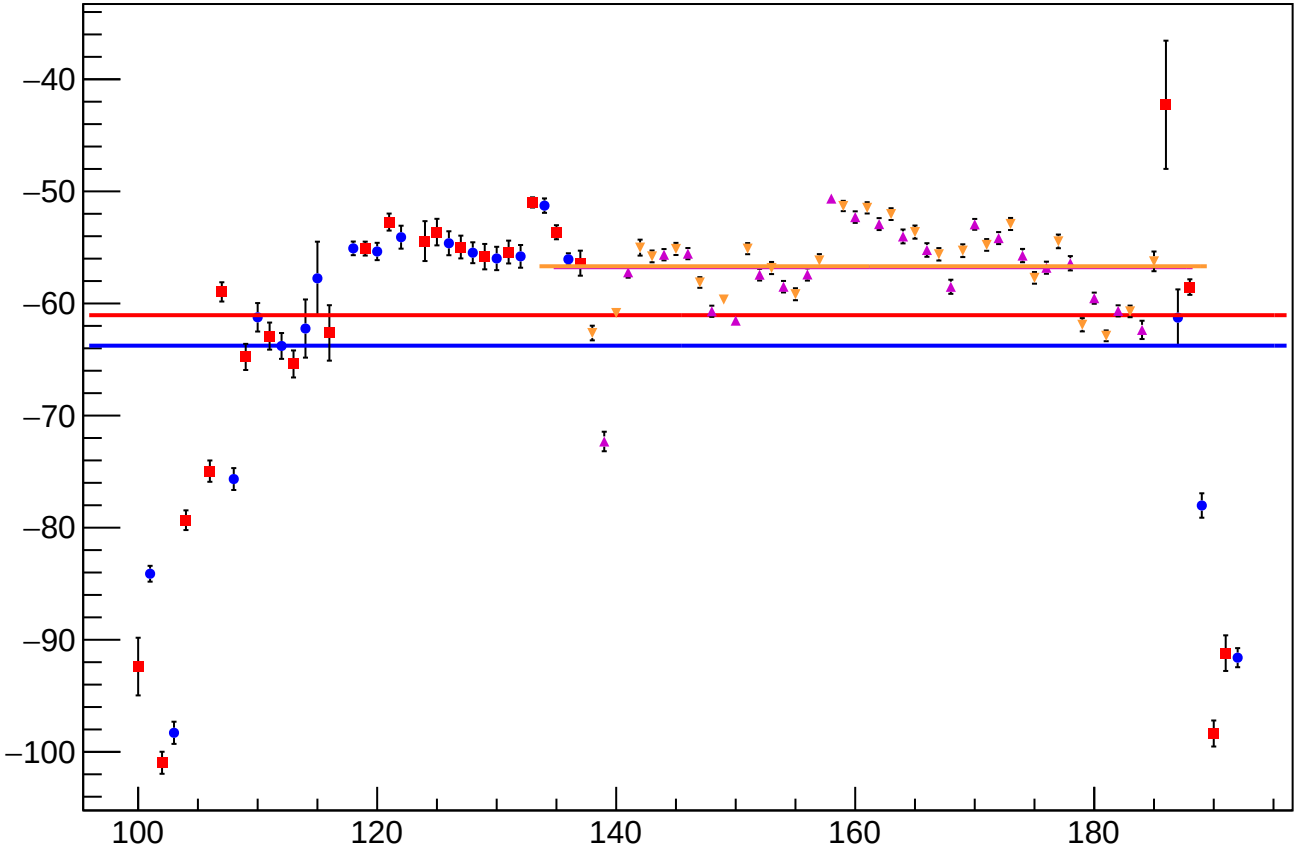
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.612+/-0.114 χ^2/NDF: 1896.3/43

All: 0.383+/-0.080 χ^2/NDF: 3781.7/89

- sign 0.163+/-0.111 χ^2/NDF: 1877.4/45

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



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

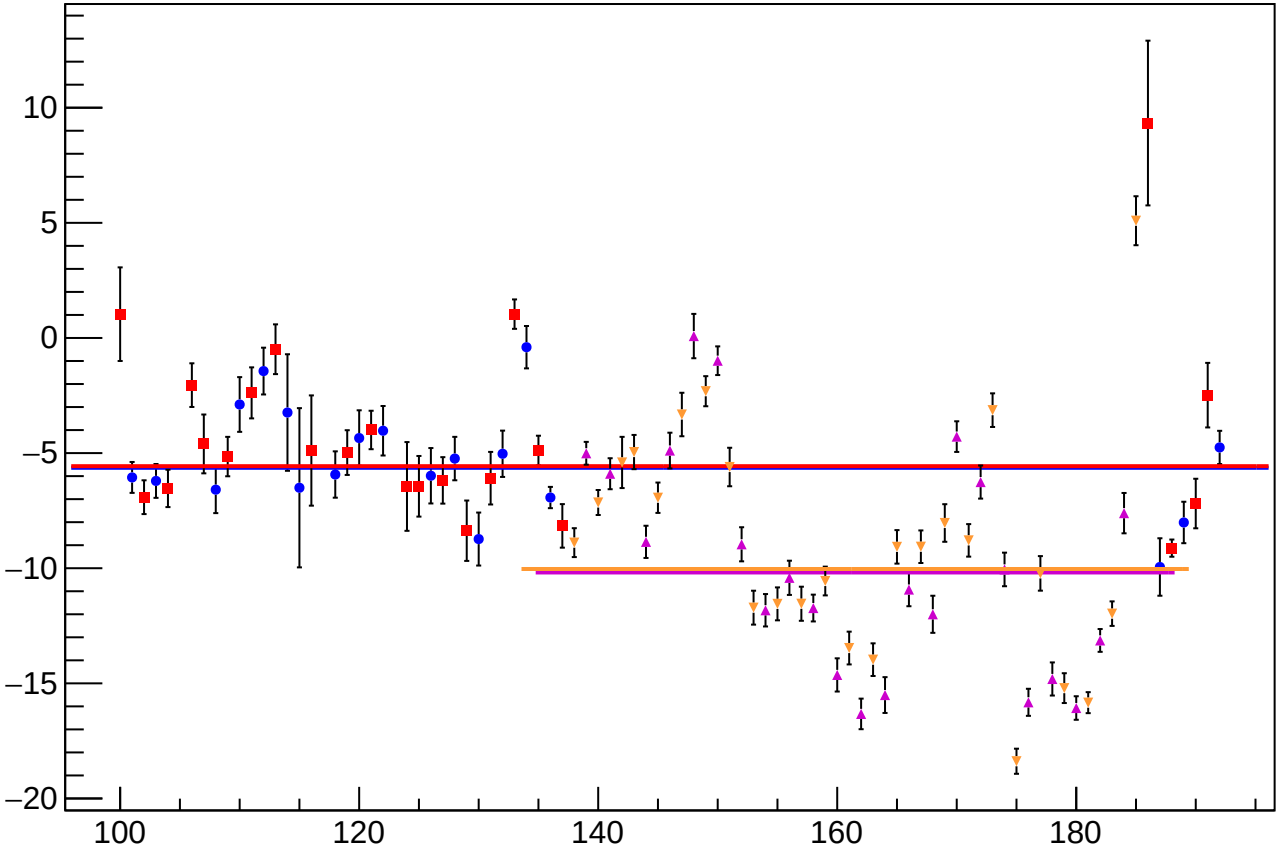
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -58.173+/-0.095 χ^2/NDF: 6645.2/43

All: -58.008+/-0.068 χ^2/NDF: 13012.4/89

- sign -57.837+/-0.097 χ^2/NDF: 6361.2/45

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.637+/-0.210 χ^2/NDF: 97.2/18

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.568+/-0.186 χ^2/NDF: 300.9/22

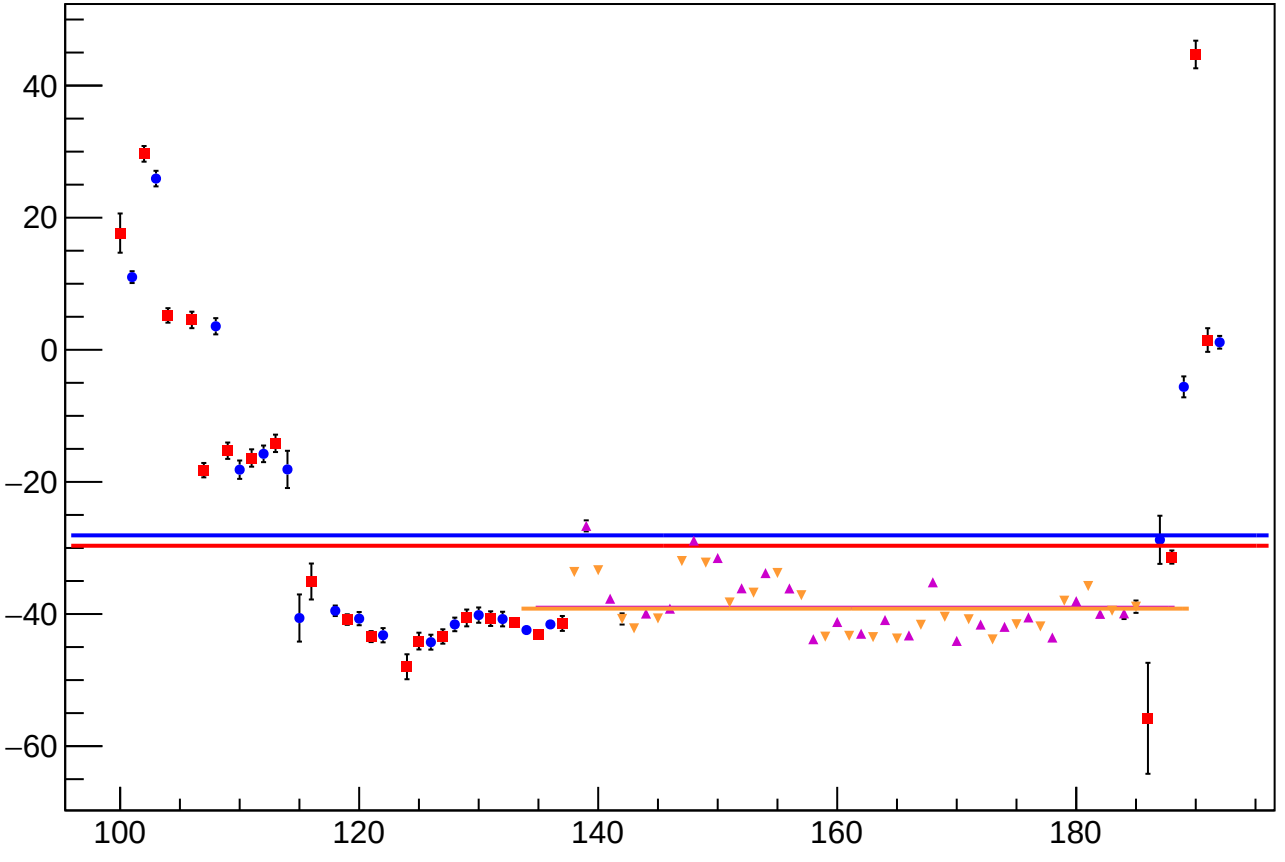
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.730+/-0.114 χ^2/NDF: 1588.5/43

All: -8.628+/-0.080 χ^2/NDF: 3427.7/89

- sign -8.531+/-0.111 χ^2/NDF: 1837.7/45

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



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

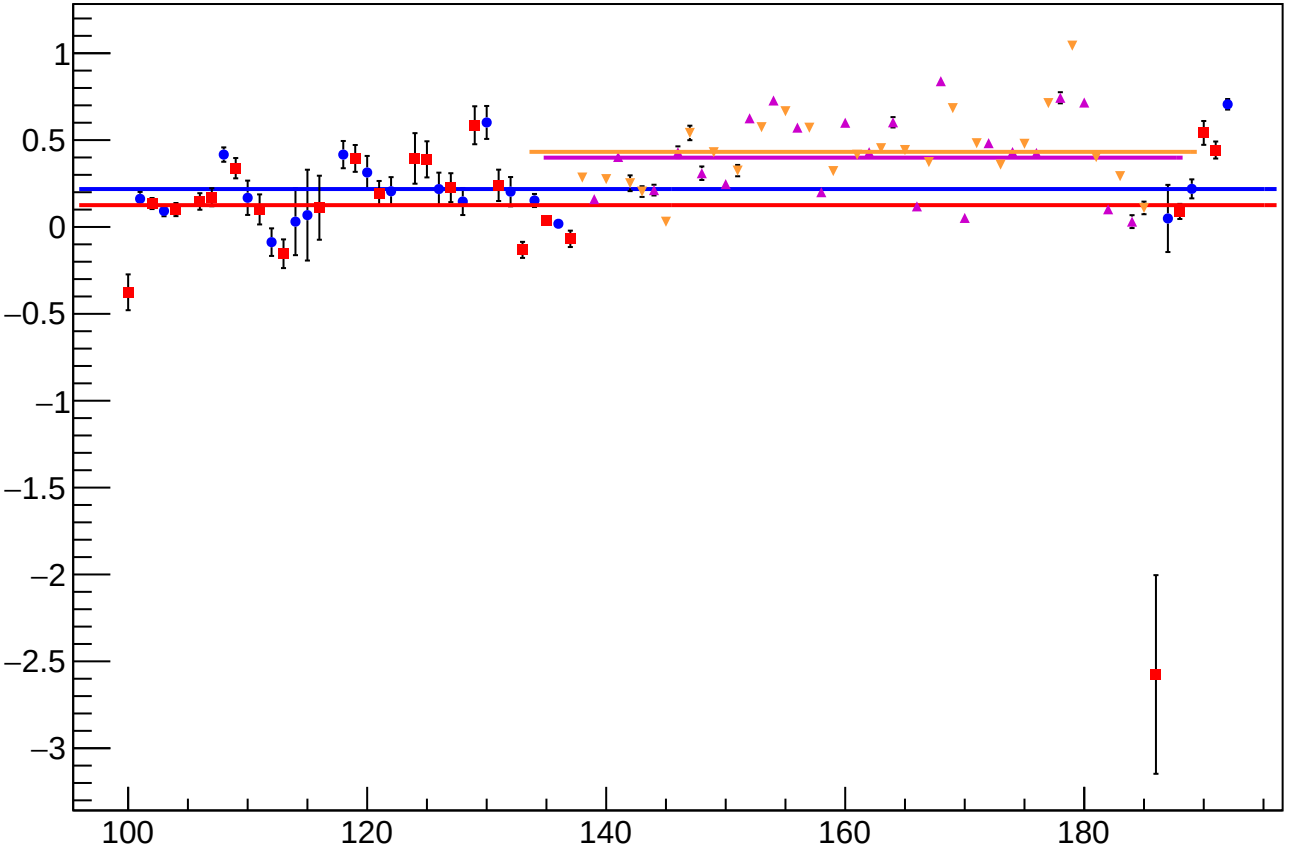
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -36.937+/-0.107 χ^2/NDF: 10925.5/43

All: -36.917+/-0.076 χ^2/NDF: 22047.6/89

- sign -36.895+/-0.109 χ^2/NDF: 11122.1/45

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



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

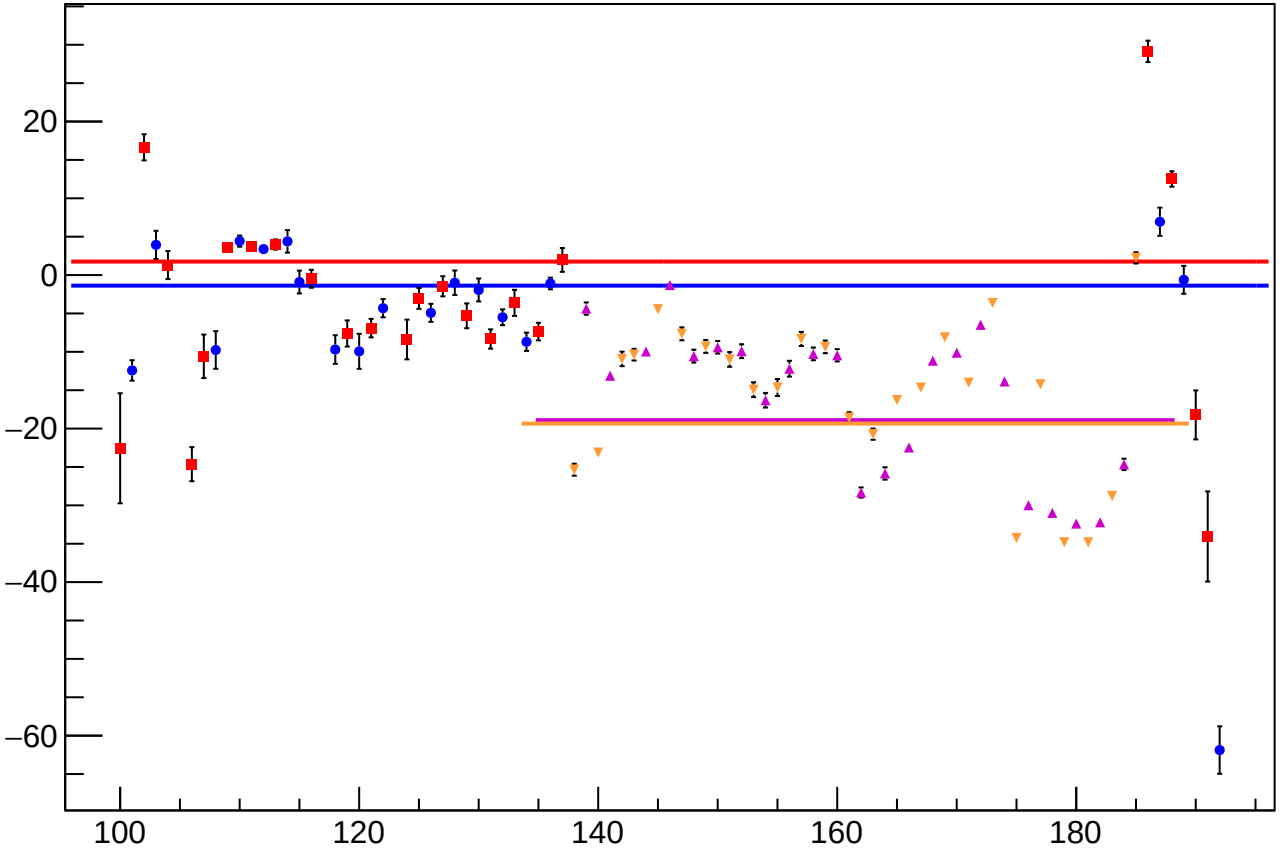
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.394+/-0.005 χ^2/NDF: 2092.5/43

All: 0.372+/-0.003 χ^2/NDF: 4785.8/89

- sign 0.350+/-0.005 χ^2/NDF: 2651.5/45

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



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

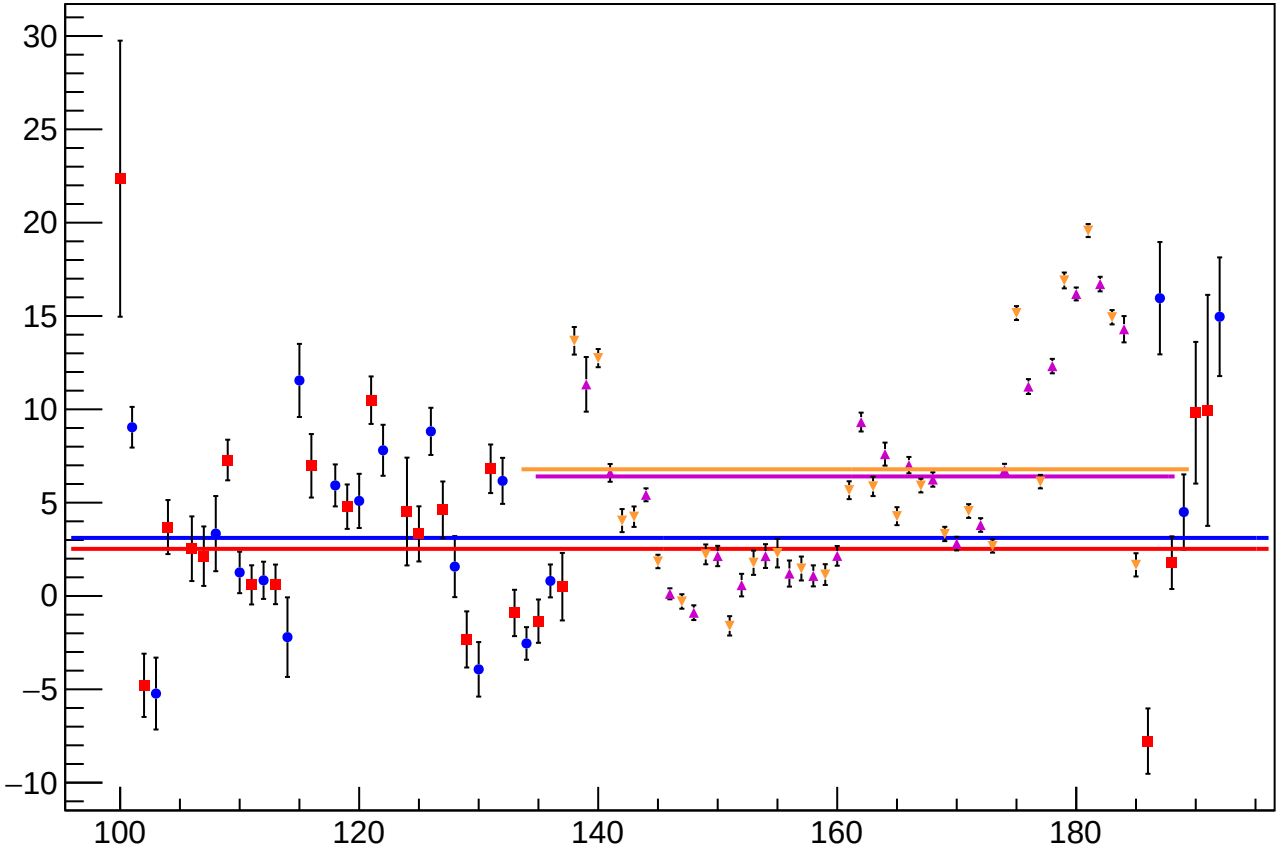
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.706+/-0.105 χ^2/NDF: 14823.5/43

All: -15.999+/-0.074 χ^2/NDF: 29876.7/89

- sign -15.282+/-0.105 χ^2/NDF: 14961.4/45

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



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

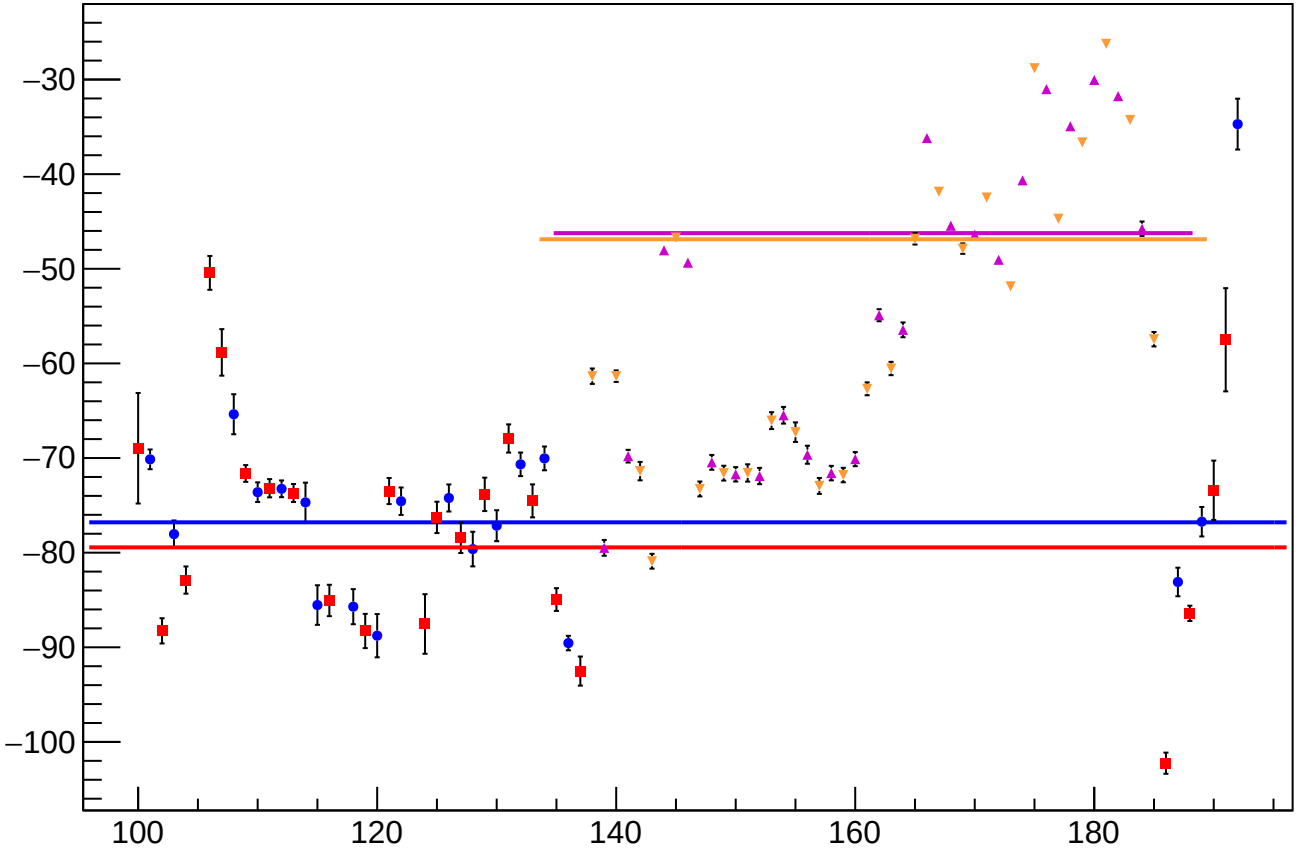
Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.495+/-0.086 χ^2/NDF: 4997.9/43

All: 6.296+/-0.061 χ^2/NDF: 8751.0/89

- sign 6.091+/-0.087 χ^2/NDF: 3742.3/45

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



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

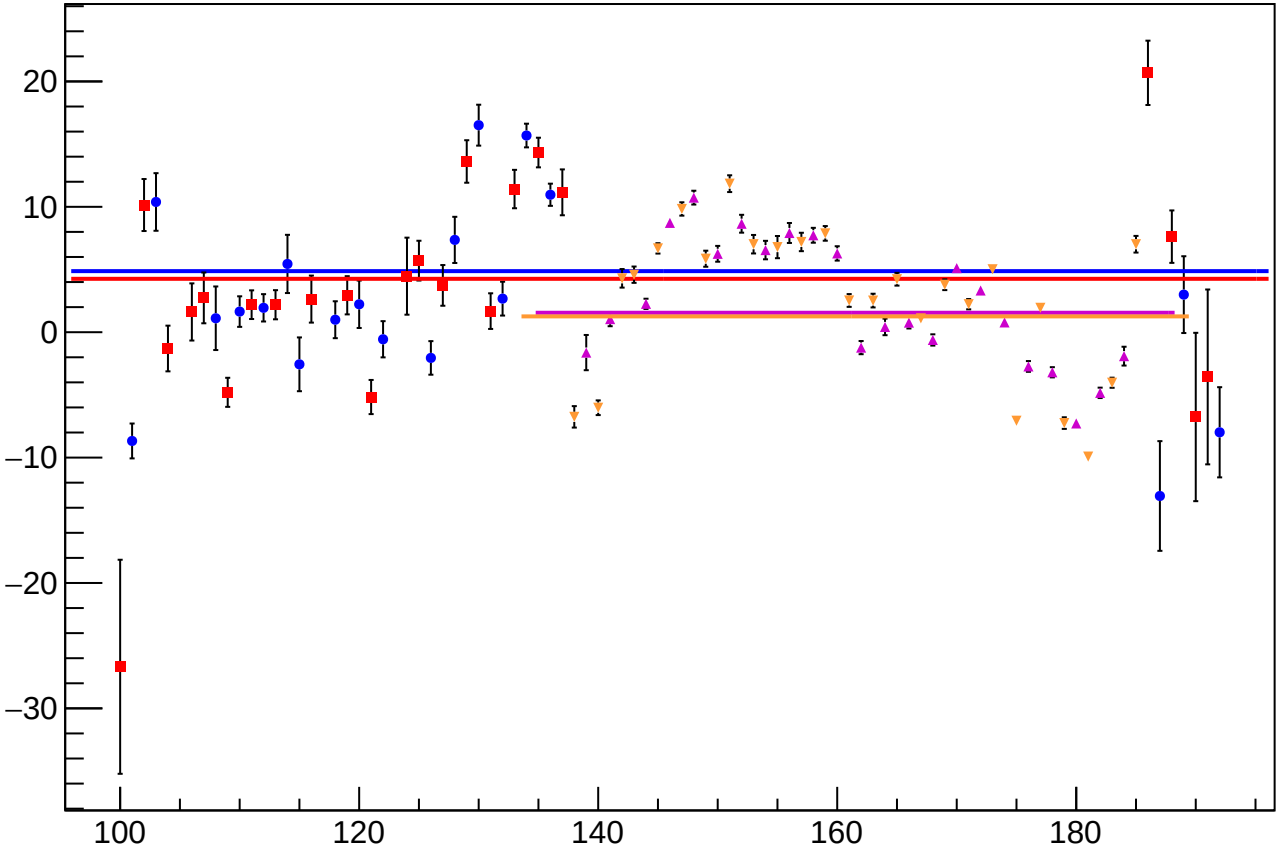
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.433+/-0.107 χ^2/NDF: 26927.5/43

All: -50.603+/-0.076 χ^2/NDF: 54554.9/89

- sign -50.776+/-0.108 χ^2/NDF: 27622.3/45

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



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

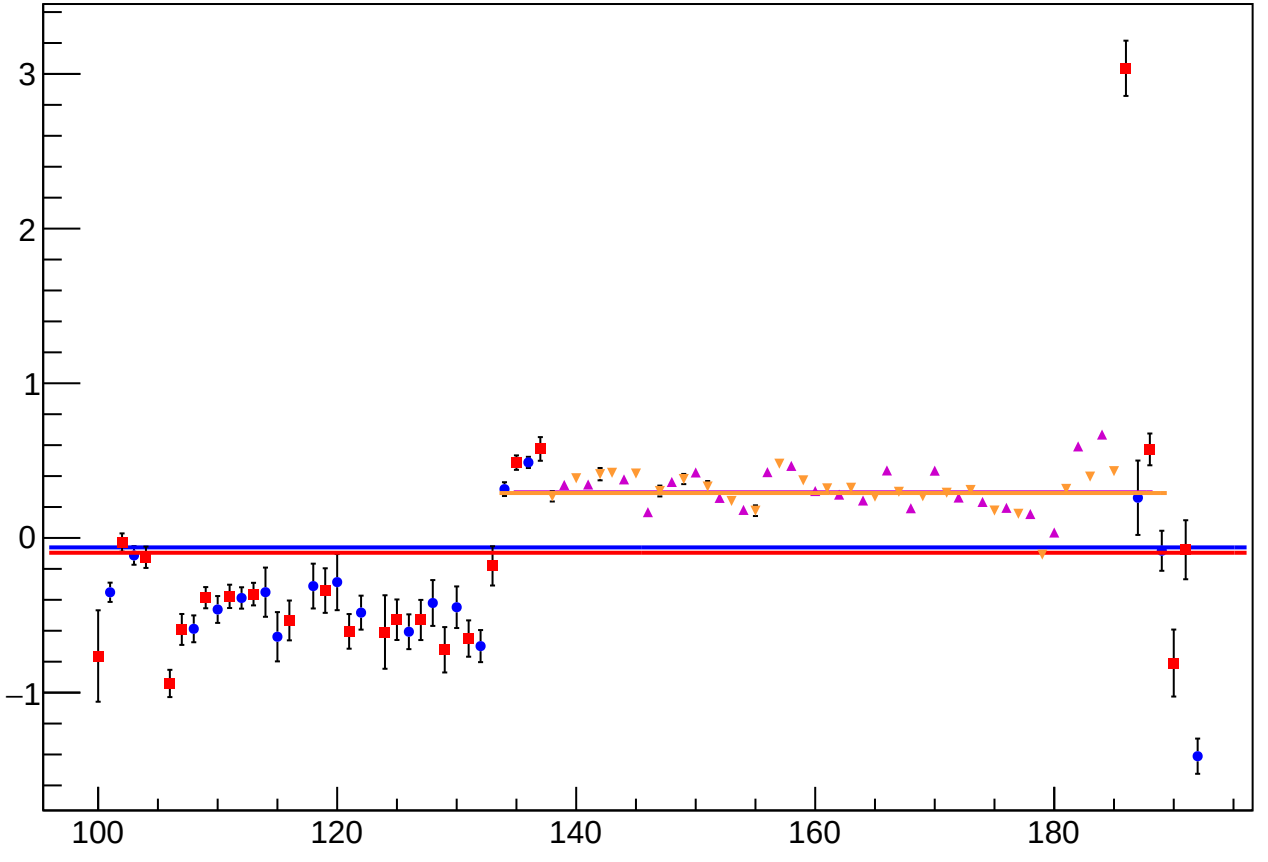
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.544+/-0.096 χ^2/NDF: 3989.6/43

All: 1.650+/-0.069 χ^2/NDF: 6722.5/89

- sign 1.761+/-0.098 χ^2/NDF: 2730.4/45

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



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

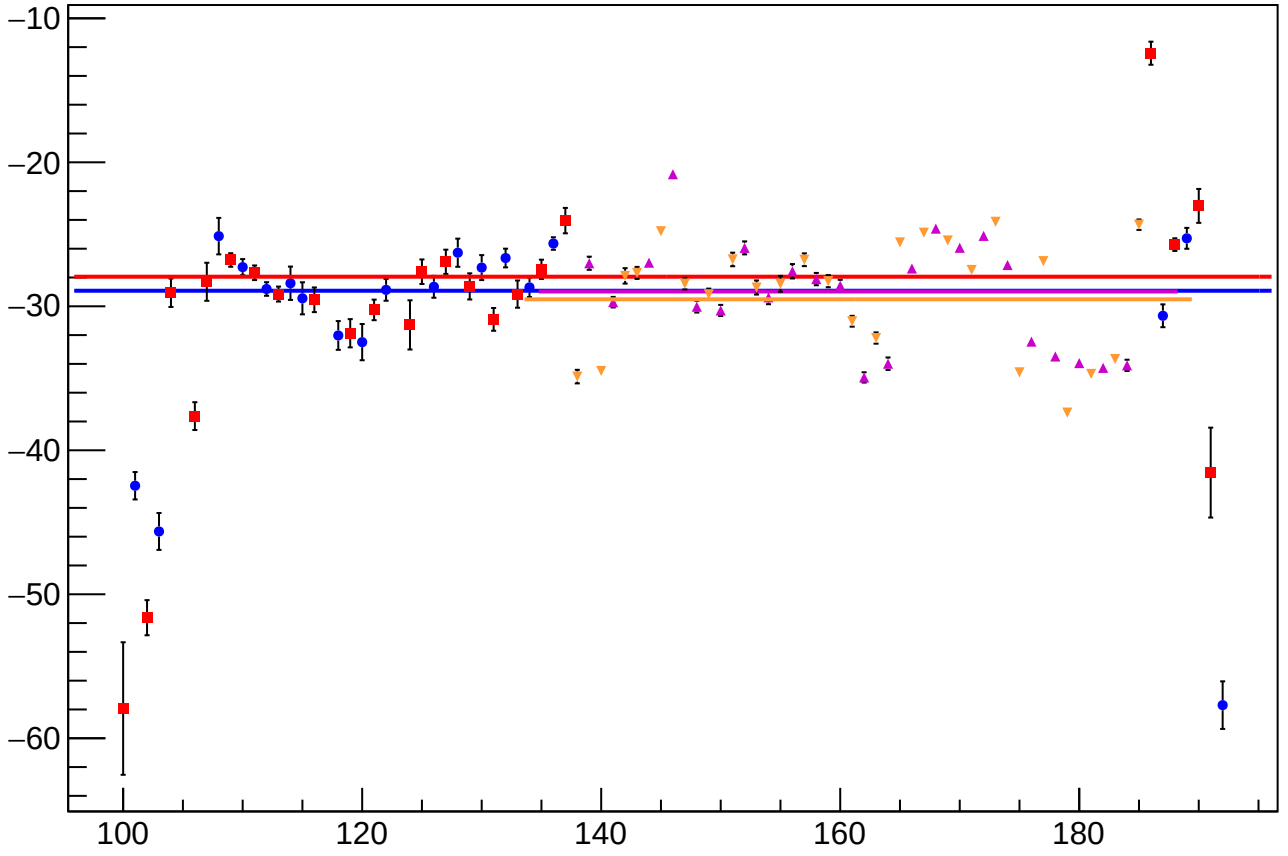
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.271+/-0.004 χ^2/NDF: 1720.8/43

All: 0.273+/-0.003 χ^2/NDF: 4001.4/89

- sign 0.275+/-0.004 χ^2/NDF: 2280.1/45

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

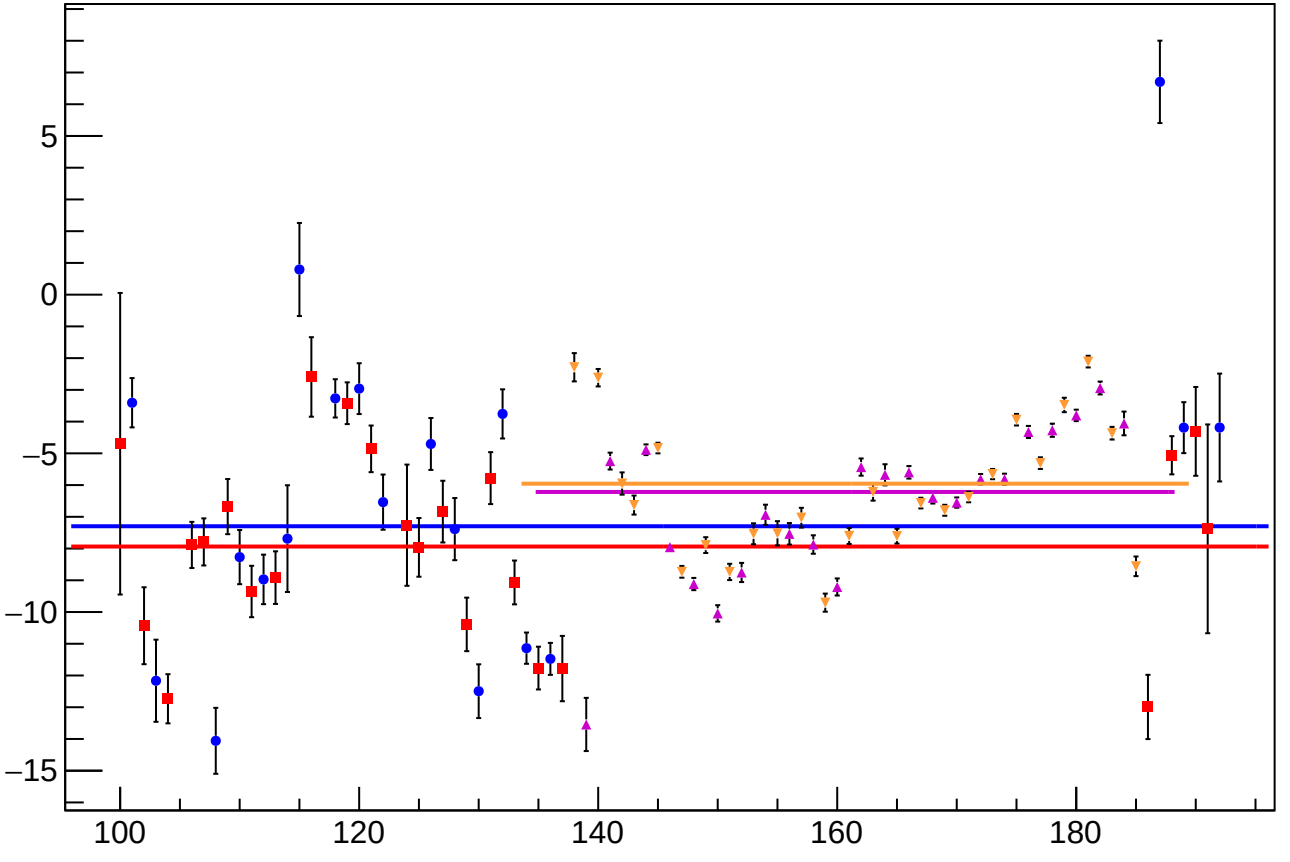
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.460+/-0.054 χ^2/NDF: 6921.0/43

All: -29.160+/-0.038 χ^2/NDF: 13410.1/89

- sign -28.858+/-0.054 χ^2/NDF: 6426.3/45

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



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

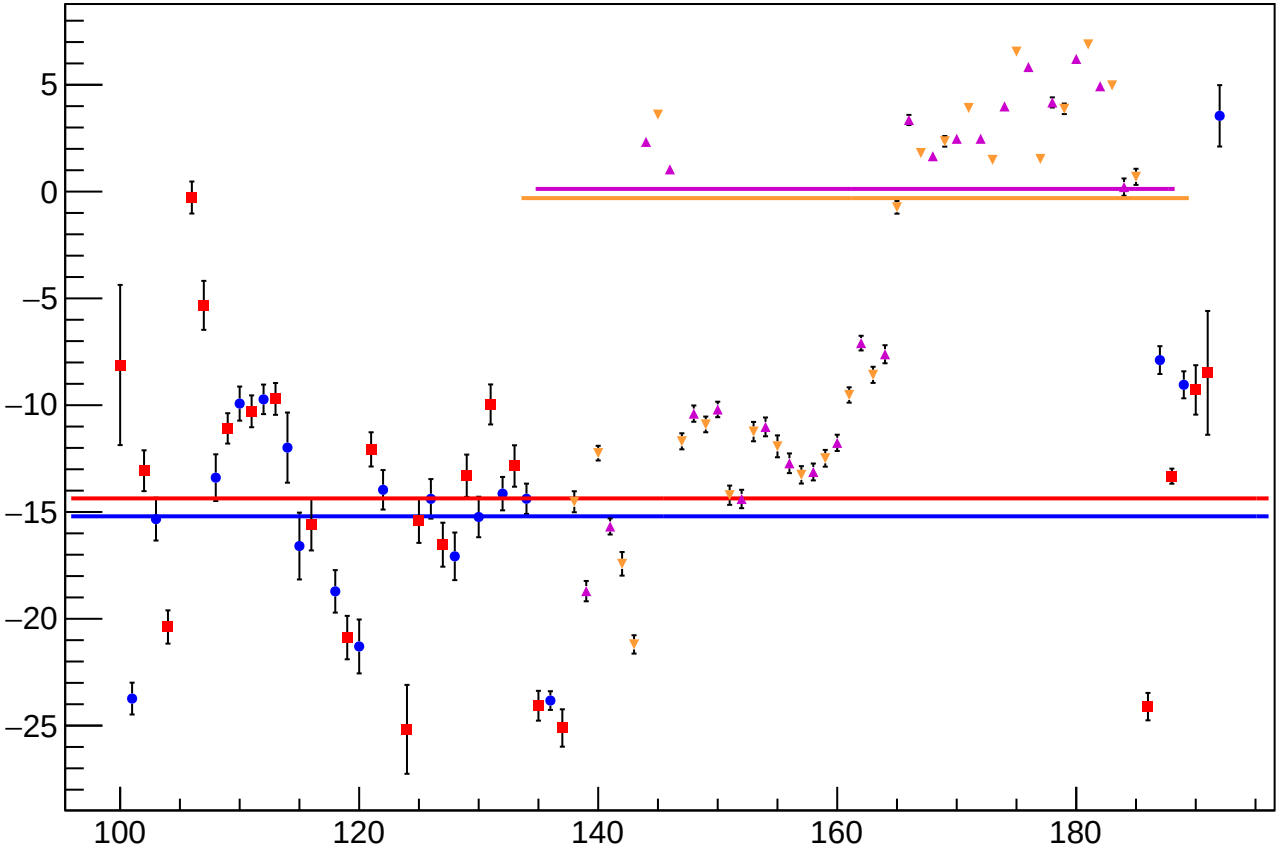
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.028+/-0.043 χ^2/NDF: 2432.4/43

All: -6.171+/-0.030 χ^2/NDF: 4533.0/89

- sign -6.312+/-0.043 χ^2/NDF: 2078.9/45

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



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

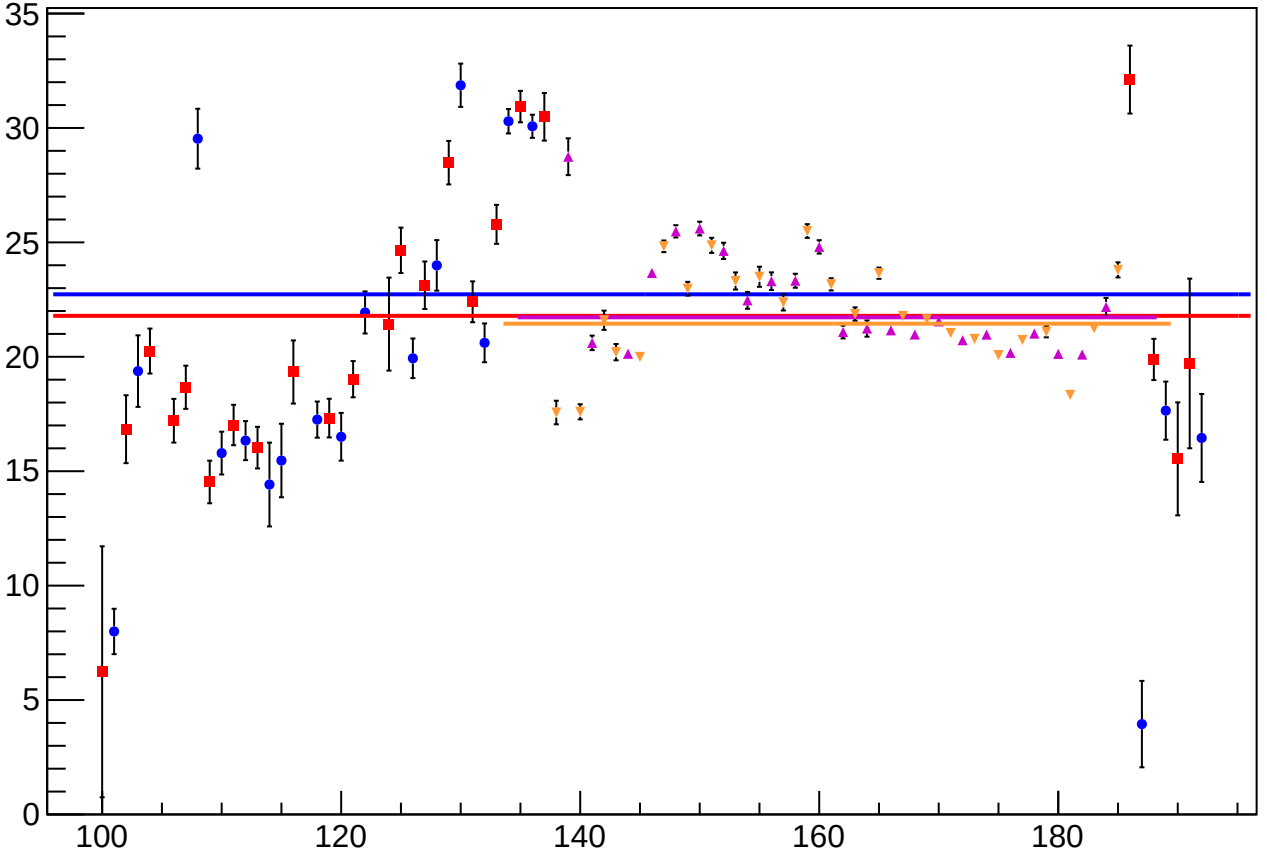
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.537+/-0.054 χ^2/NDF: 23983.0/43

All: -1.429+/-0.038 χ^2/NDF: 45566.9/89

- sign -1.322+/-0.054 χ^2/NDF: 21576.1/45

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



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

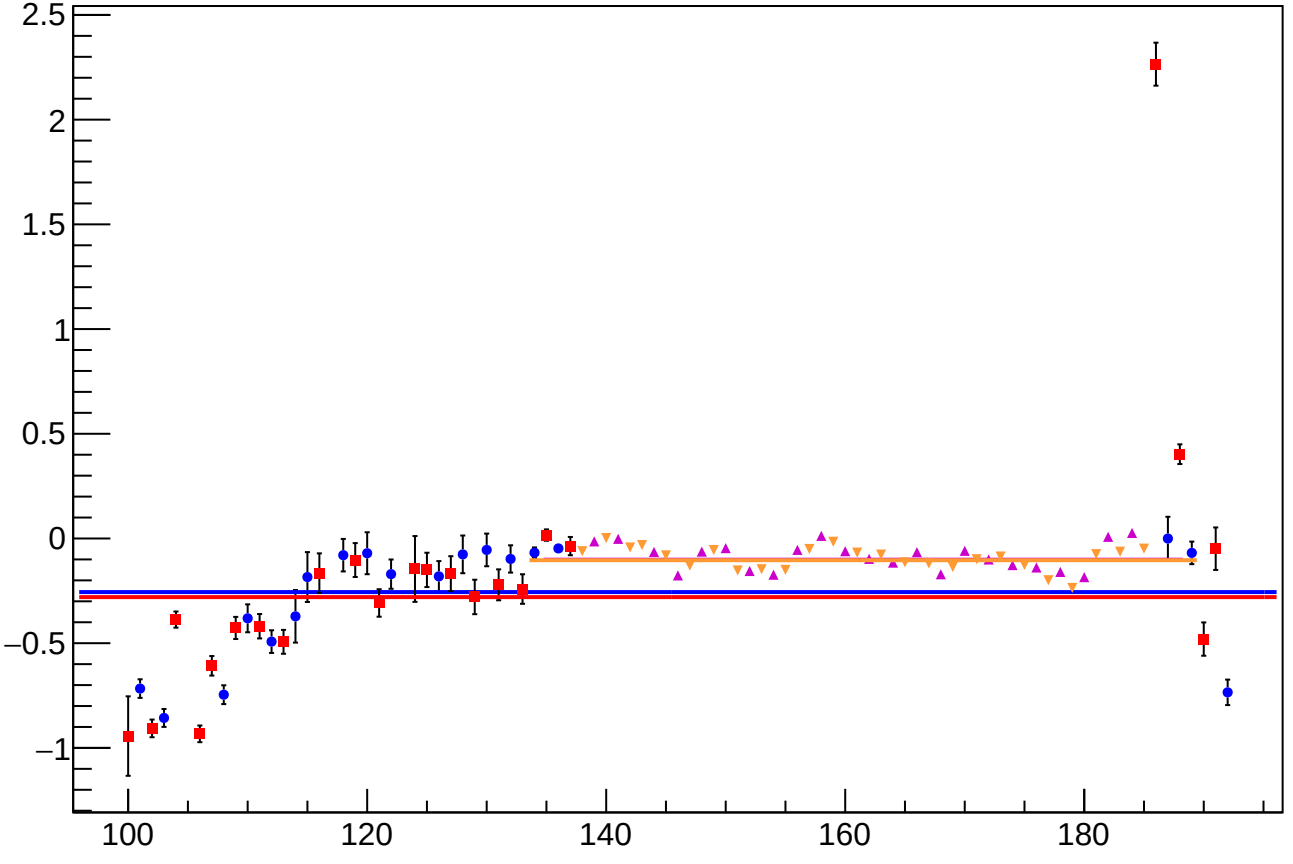
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.513+/-0.048 χ^2/NDF: 2498.6/43

All: 21.621+/-0.034 χ^2/NDF: 4300.1/89

- sign 21.729+/-0.048 χ^2/NDF: 1791.6/45

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



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

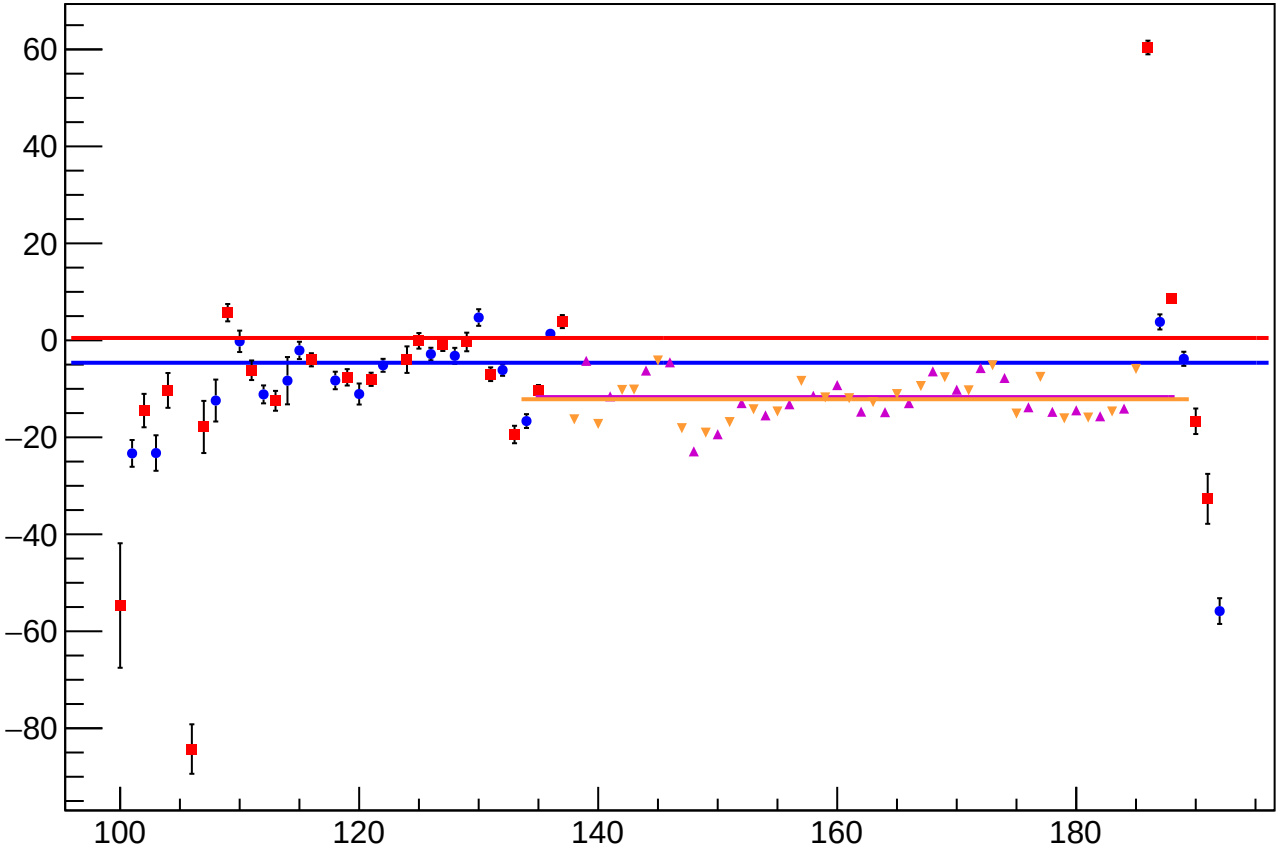
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.110+/-0.002 χ^2/NDF: 1441.0/43

All: -0.109+/-0.002 χ^2/NDF: 4011.2/89

- sign -0.108+/-0.002 χ^2/NDF: 2569.8/45

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -4.621+/-0.356 χ^2/NDF: 691.1/18

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: 0.491+/-0.349 χ^2/NDF: 2720.2/22

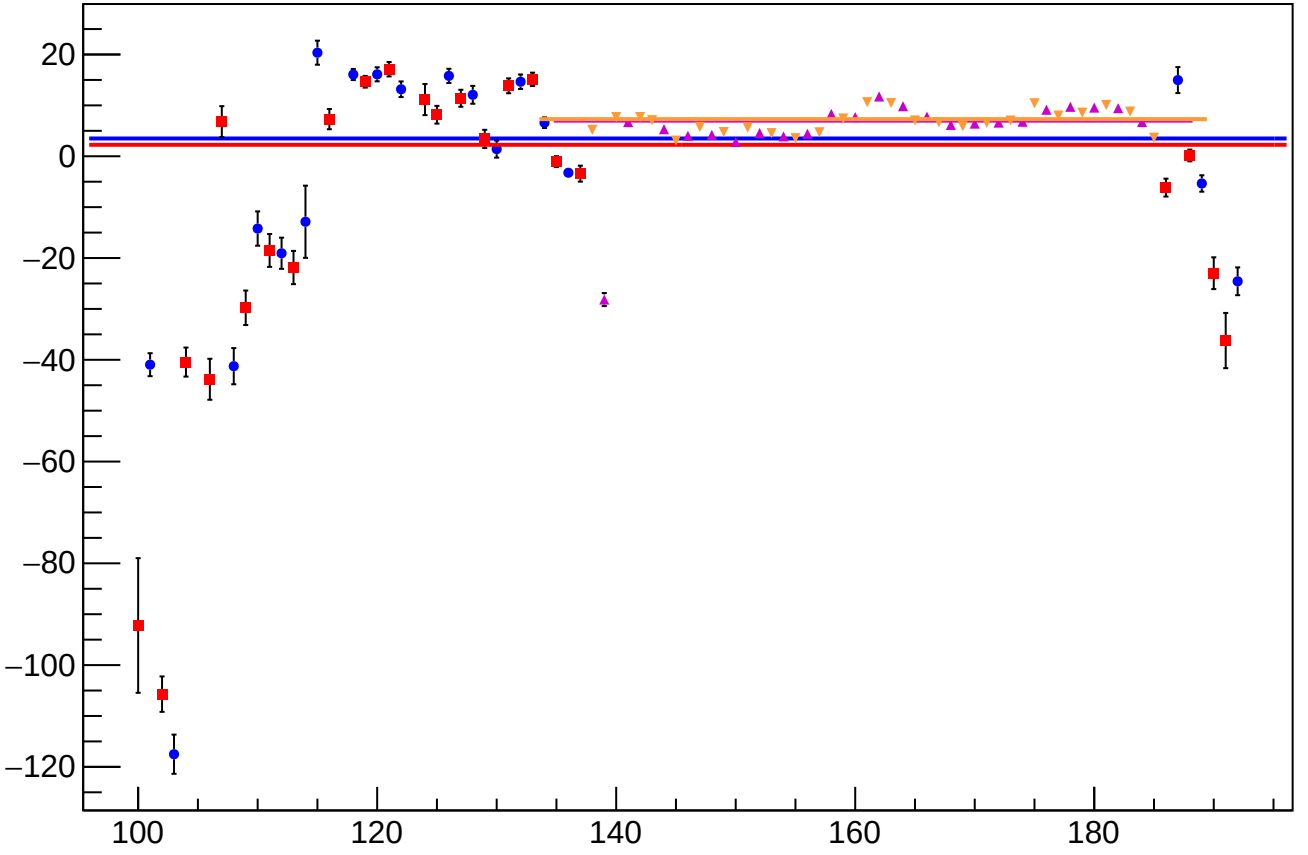
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.677+/-0.089 χ^2/NDF: 3240.0/43

All: -11.285+/-0.064 χ^2/NDF: 9085.3/89

- sign -10.871+/-0.091 χ^2/NDF: 5805.1/45

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



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

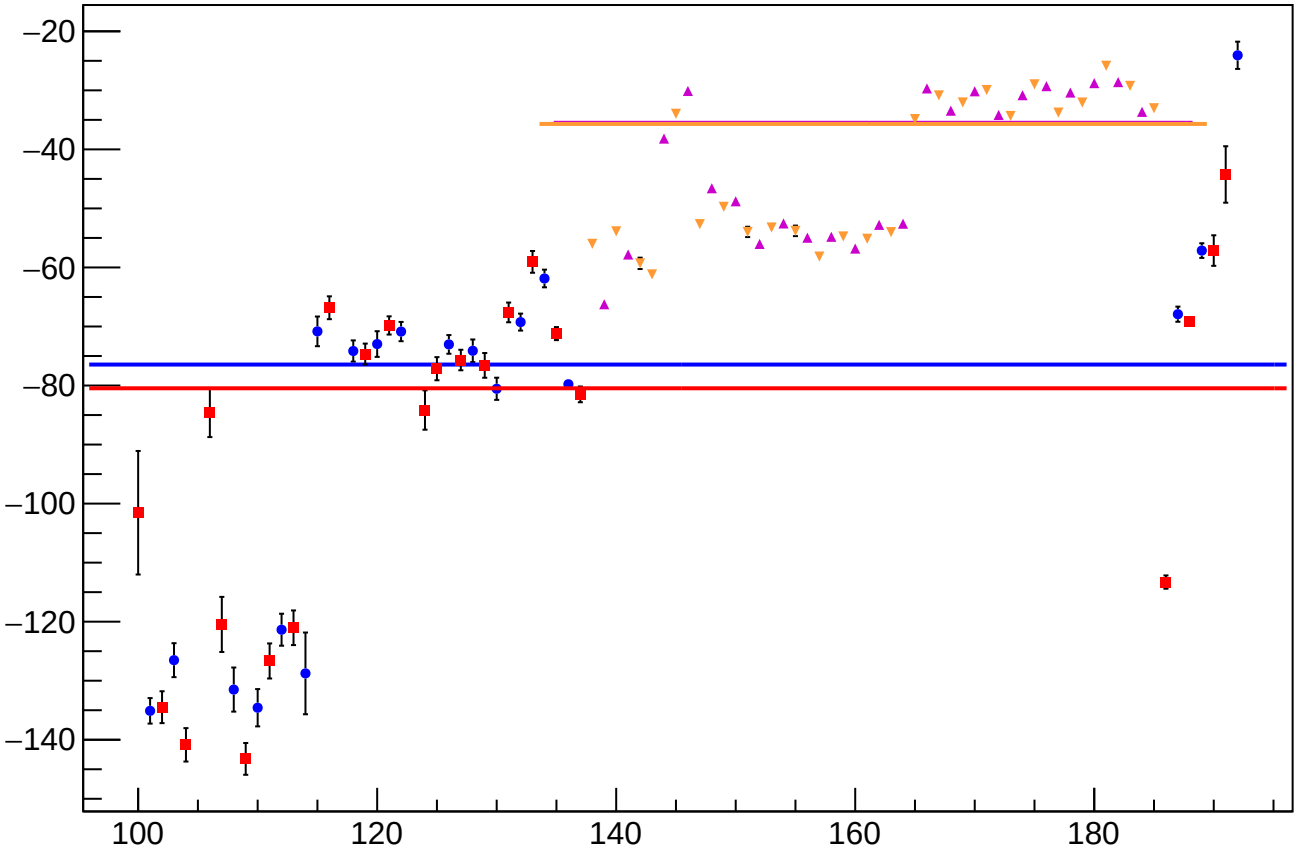
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.145+/-0.073 χ^2/NDF: 3255.3/43

All: 6.987+/-0.052 χ^2/NDF: 7149.4/89

- sign 6.825+/-0.075 χ^2/NDF: 3884.8/45

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



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

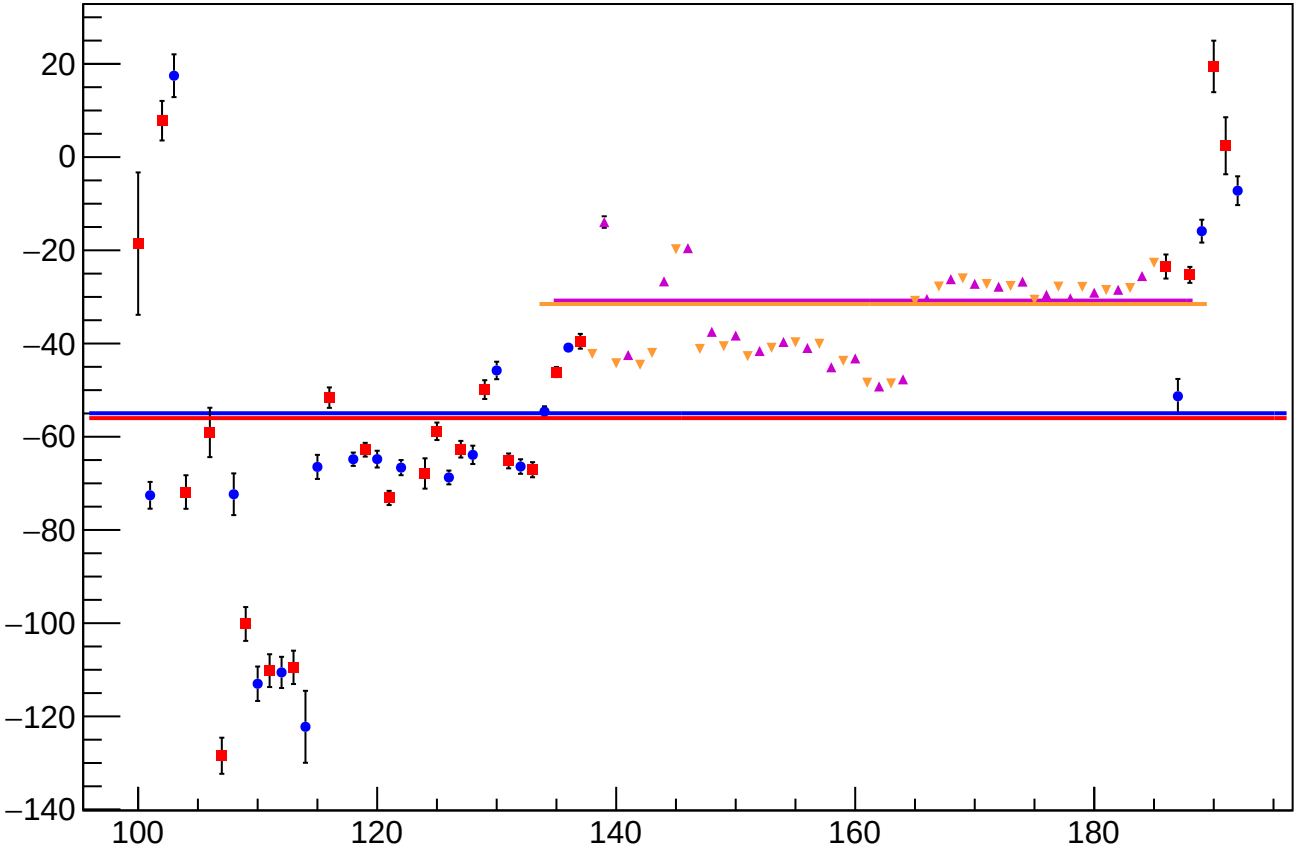
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

\+ sign -38.042+/-0.090 χ^2/NDF: 26951.6/43

All: -38.261+/-0.064 χ^2/NDF: 56740.1/89

\- sign -38.488+/-0.091 χ^2/NDF: 29776.4/45

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



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

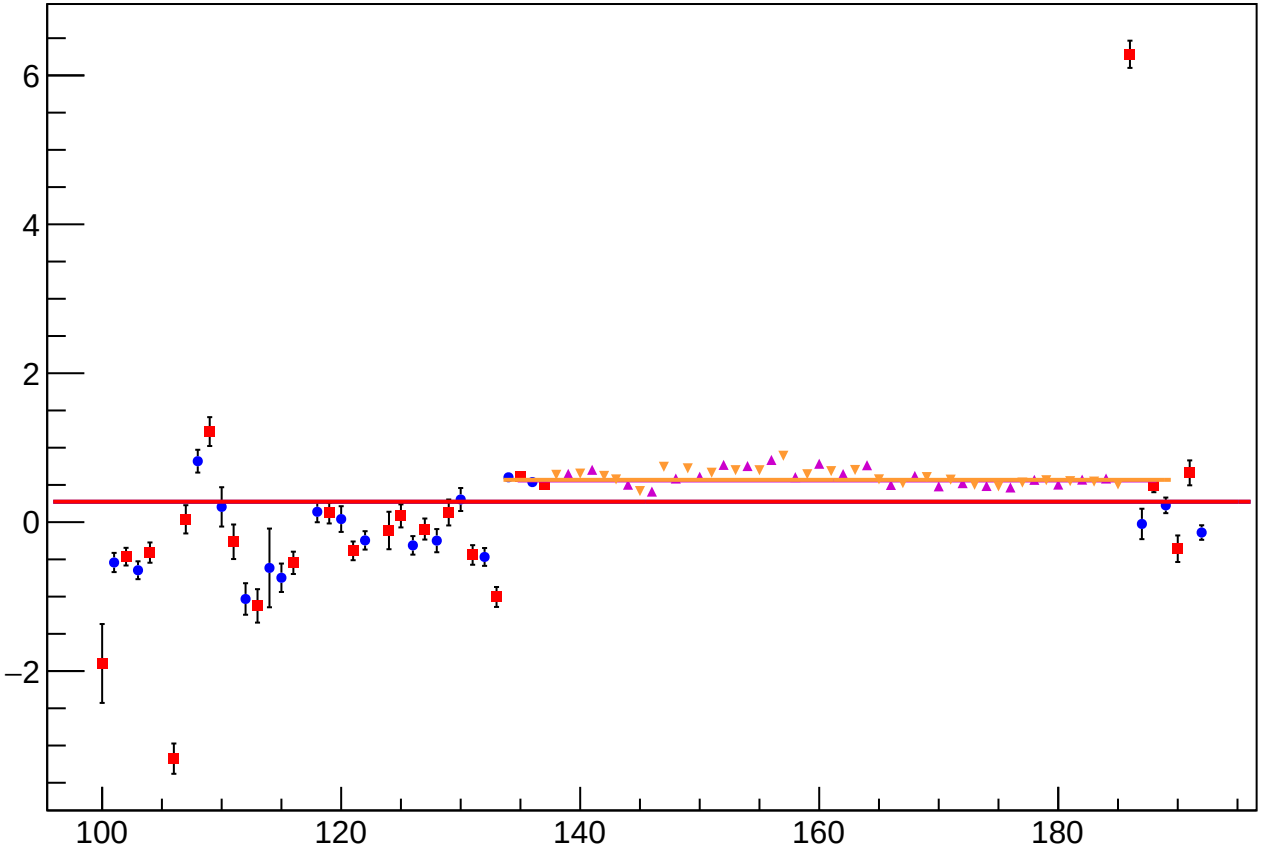
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.425+/-0.081 χ^2/NDF: 13598.2/43

All: -32.054+/-0.058 χ^2/NDF: 26734.4/89

- sign -31.667+/-0.083 χ^2/NDF: 13093.5/45

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



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

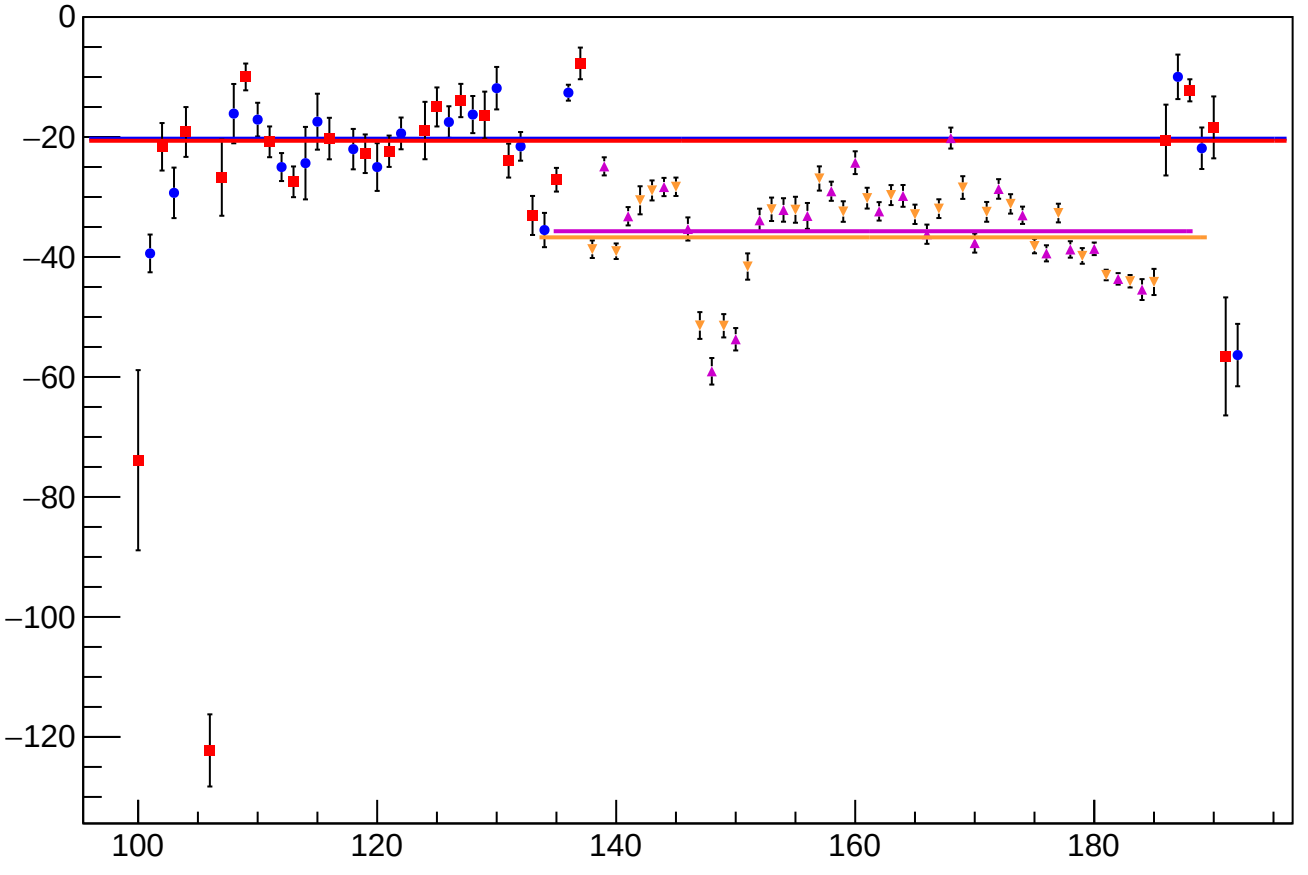
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.560+/-0.004 χ^2/NDF: 1130.1/43

All: 0.557+/-0.003 χ^2/NDF: 3740.4/89

- sign 0.553+/-0.004 χ^2/NDF: 2608.7/45

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

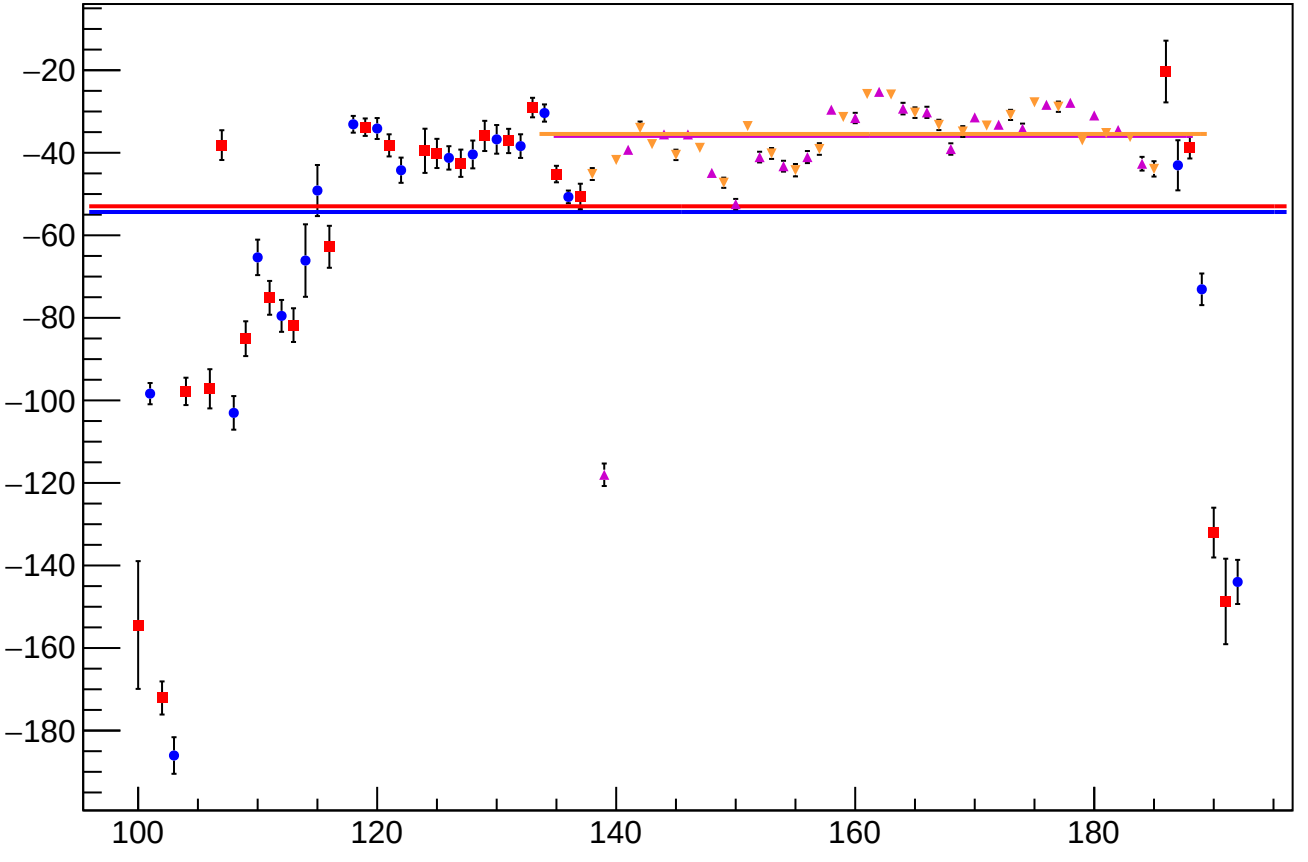
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.782+/-0.281 χ^2/NDF: 1100.4/43

All: -33.281+/-0.202 χ^2/NDF: 2537.8/89

- sign -32.749+/-0.290 χ^2/NDF: 1430.9/45

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



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

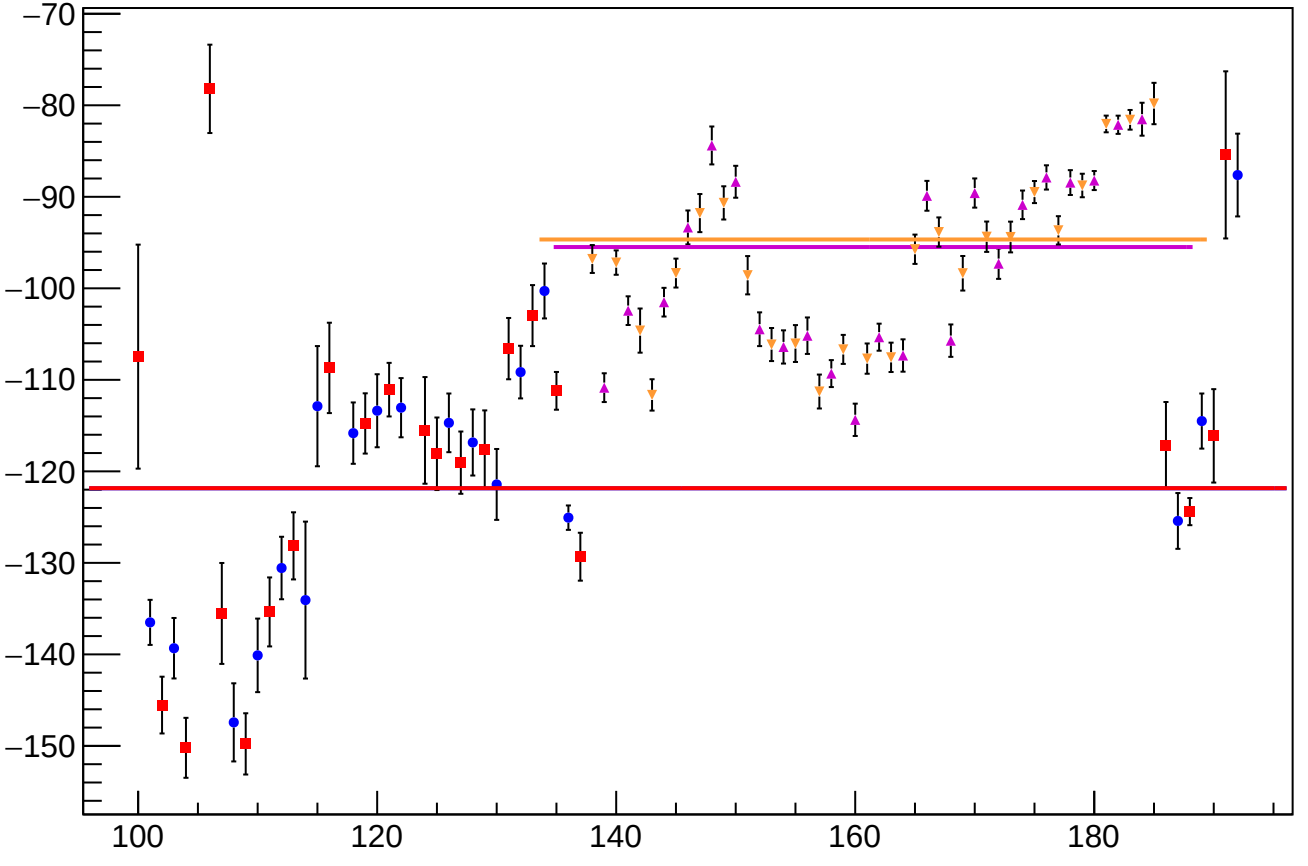
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -37.579+/-0.231 χ^2/NDF: 3306.9/43

All: -37.723+/-0.167 χ^2/NDF: 7330.3/89

- sign -37.879+/-0.241 χ^2/NDF: 4022.7/45

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



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

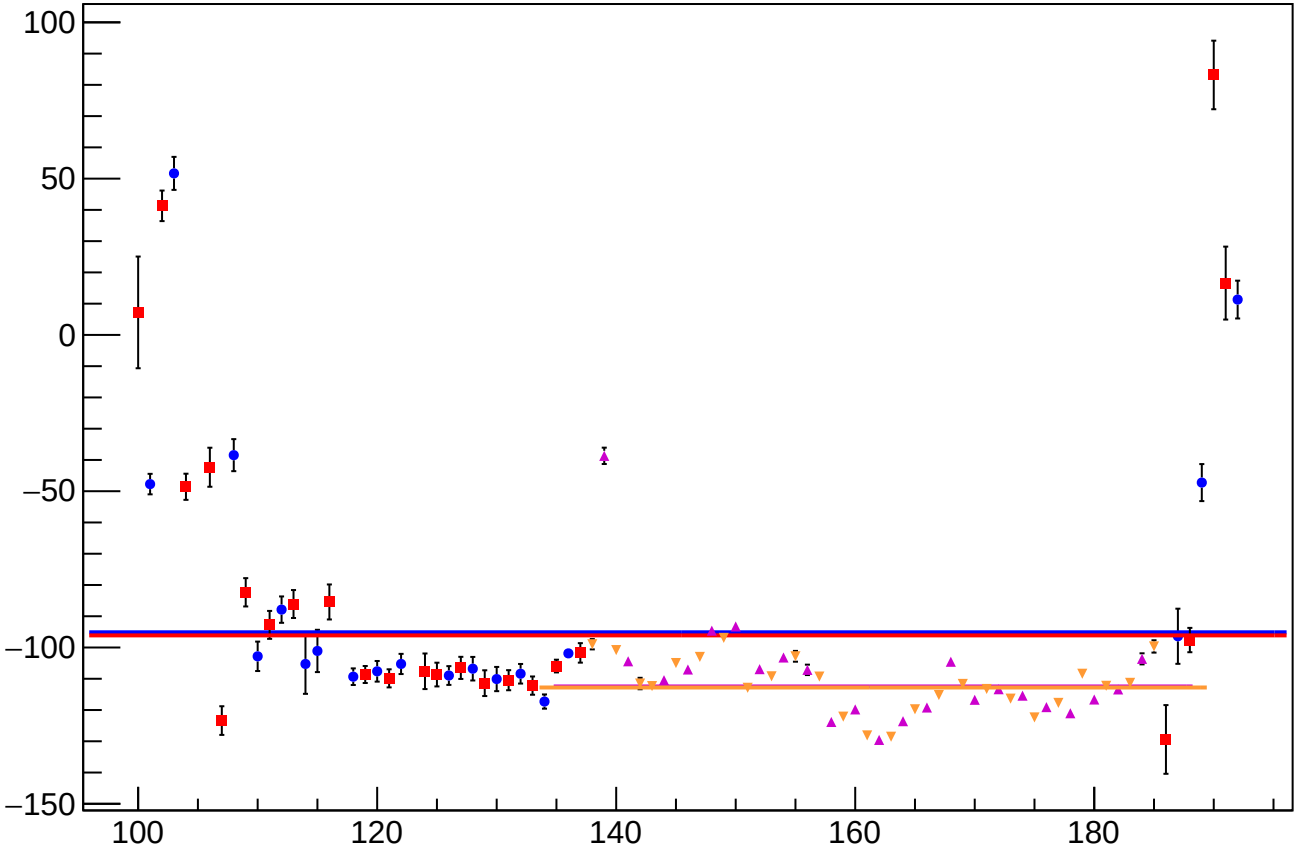
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.124+/-0.283 χ^2/NDF: 2458.0/43

All: -99.645+/-0.203 χ^2/NDF: 5082.6/89

- sign -100.195+/-0.291 χ^2/NDF: 2617.7/45

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



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

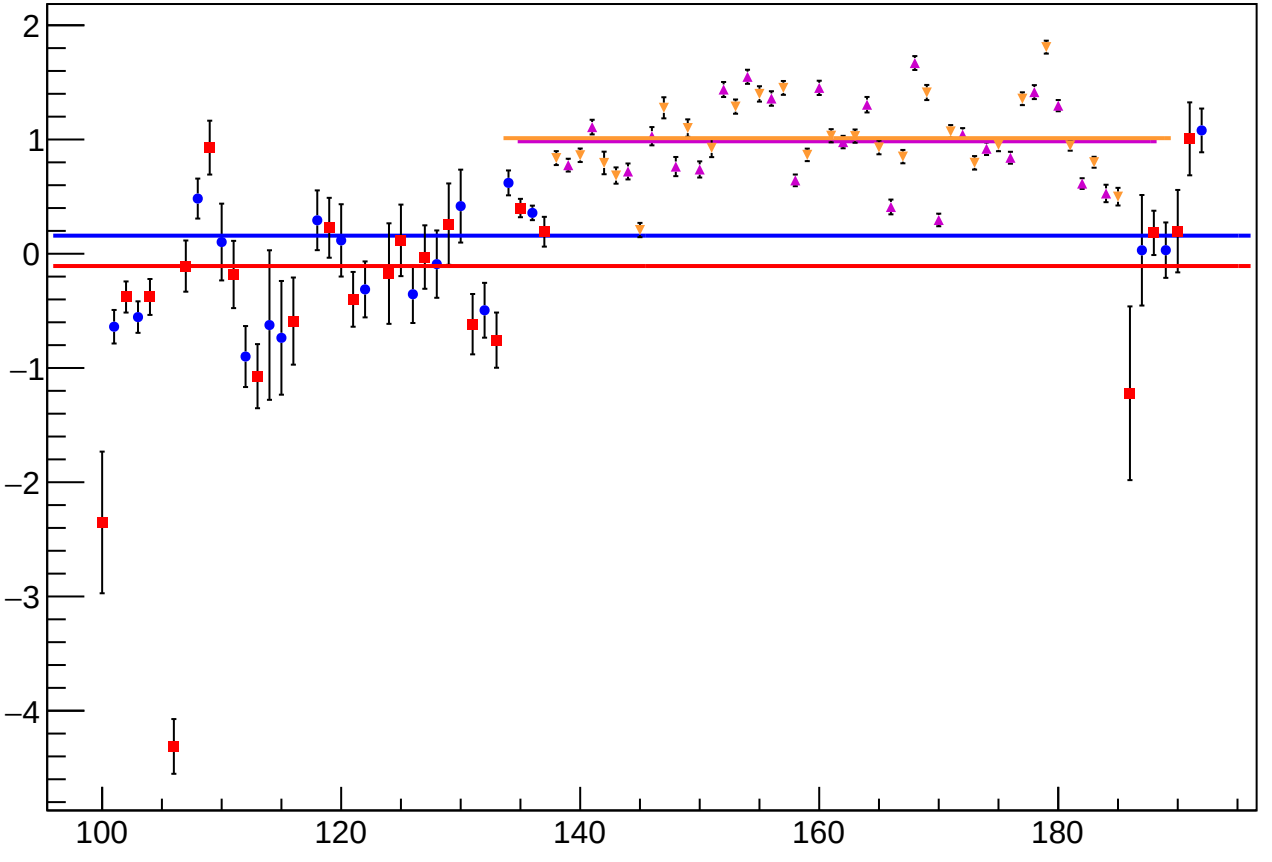
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -110.838+/-0.258 χ^2/NDF: 3113.7/43

All: -110.769+/-0.186 χ^2/NDF: 6868.2/89

- sign -110.694+/-0.269 χ^2/NDF: 3754.3/45

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



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

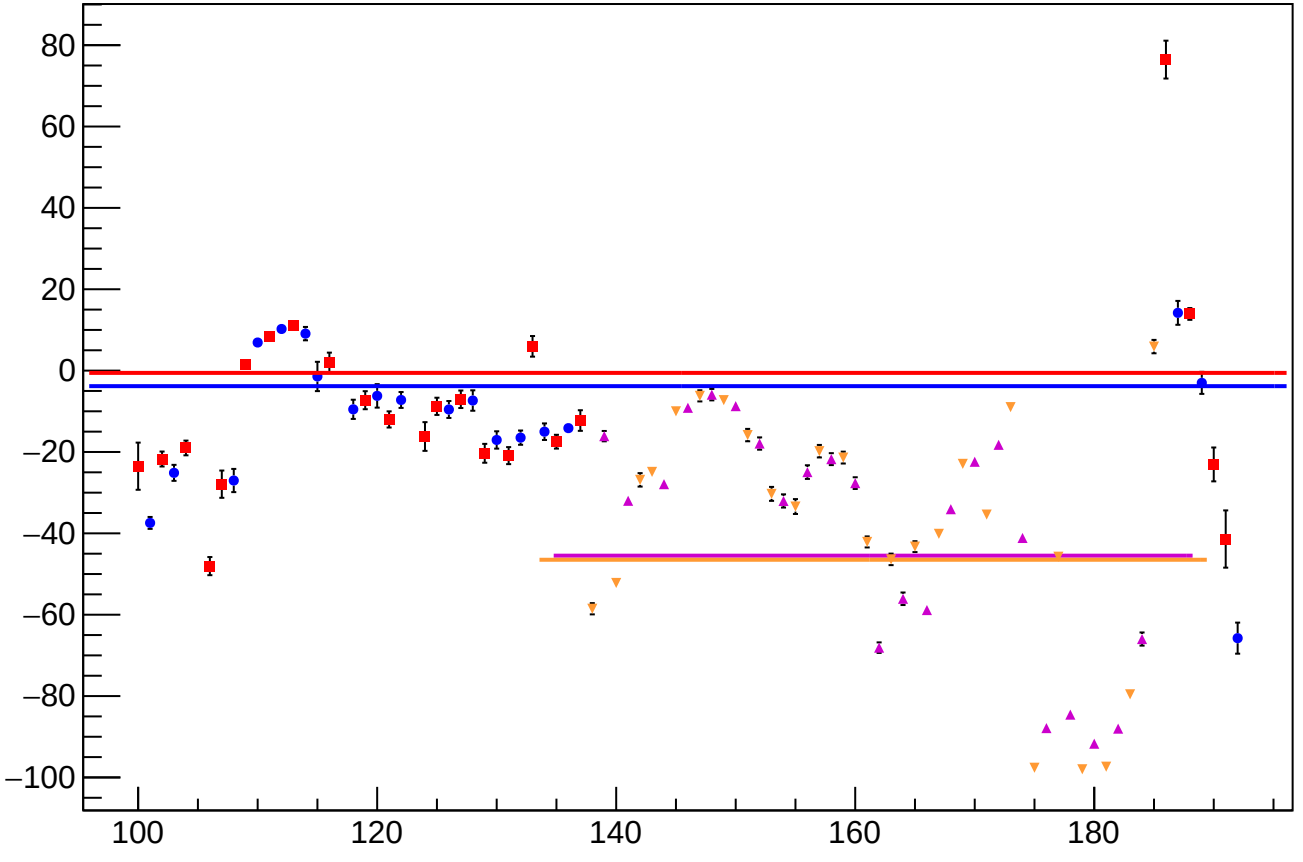
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.937+/-0.012 χ^2/NDF: 1262.9/43

All: 0.918+/-0.008 χ^2/NDF: 3202.8/89

- sign 0.898+/-0.012 χ^2/NDF: 1934.6/45

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

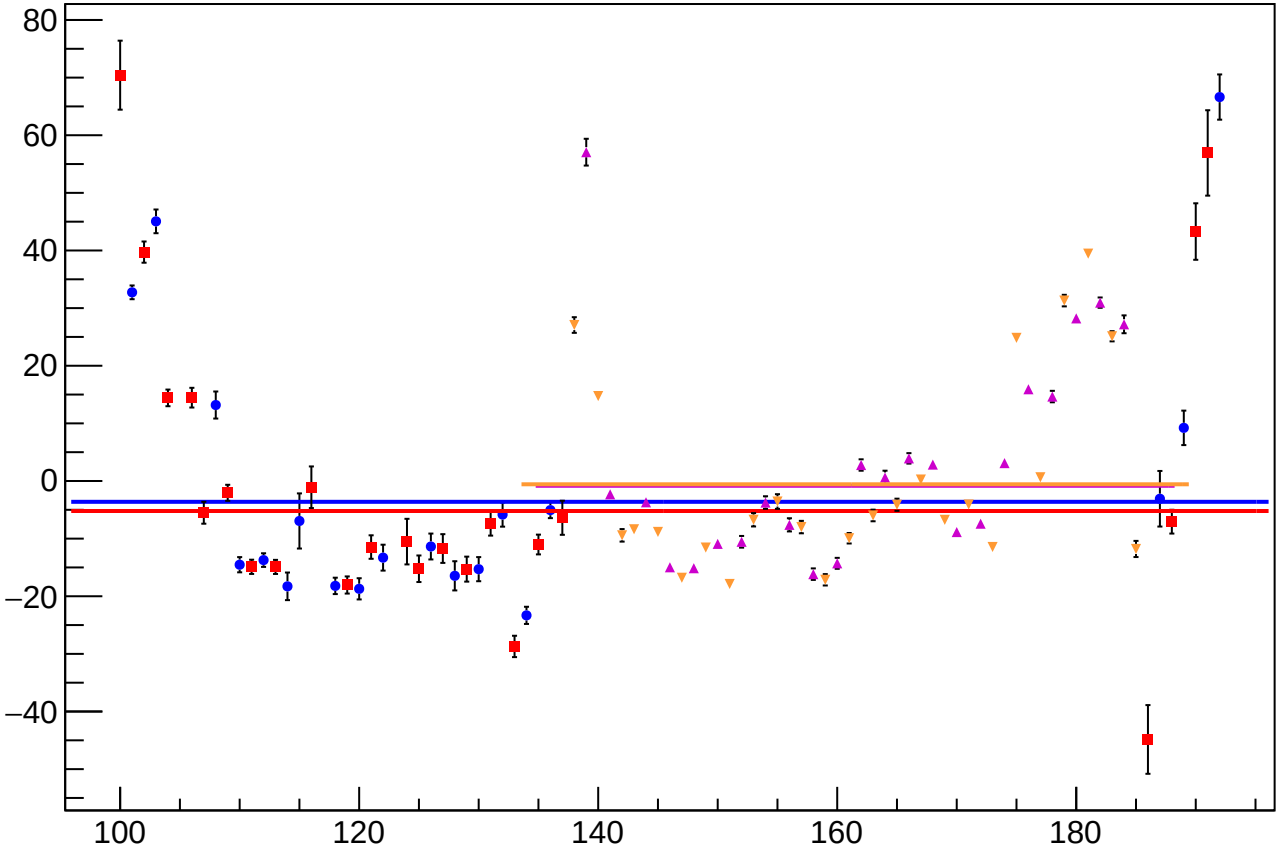
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

\+ sign -34.521+/-0.195 χ^2/NDF: 31527.7/43

All: -32.217+/-0.137 χ^2/NDF: 61676.0/89

\- sign -29.979+/-0.192 χ^2/NDF: 29873.5/45

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -3.612+/-0.422 χ^2/NDF: 2493.4/18

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

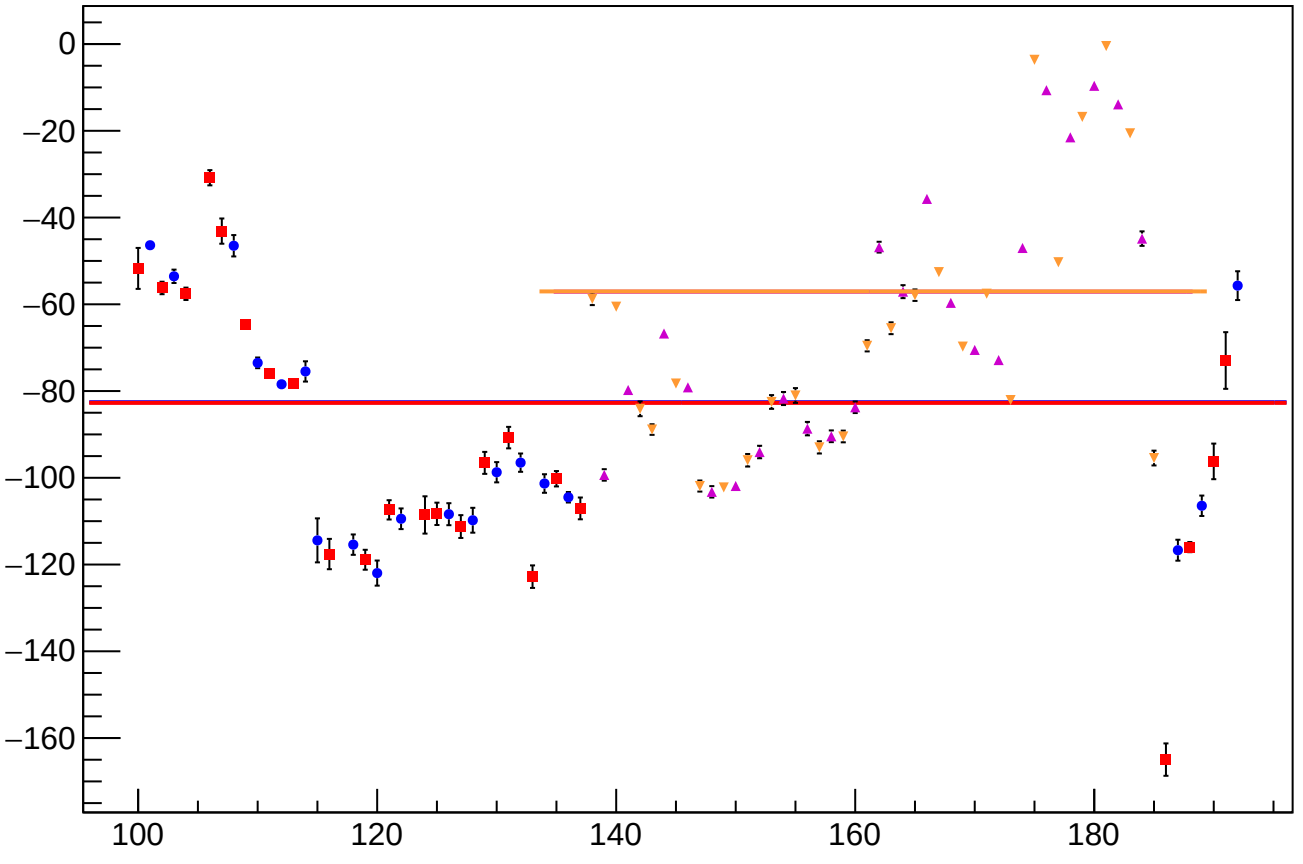
Right Out: -5.206+/-0.410 χ^2/NDF: 1722.2/22

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -1.027+/-0.163 χ^2/NDF: 10988.9/43

All: -1.285+/-0.117 χ^2/NDF: 18927.6/89

- sign -1.554+/-0.167 χ^2/NDF: 7933.7/45



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

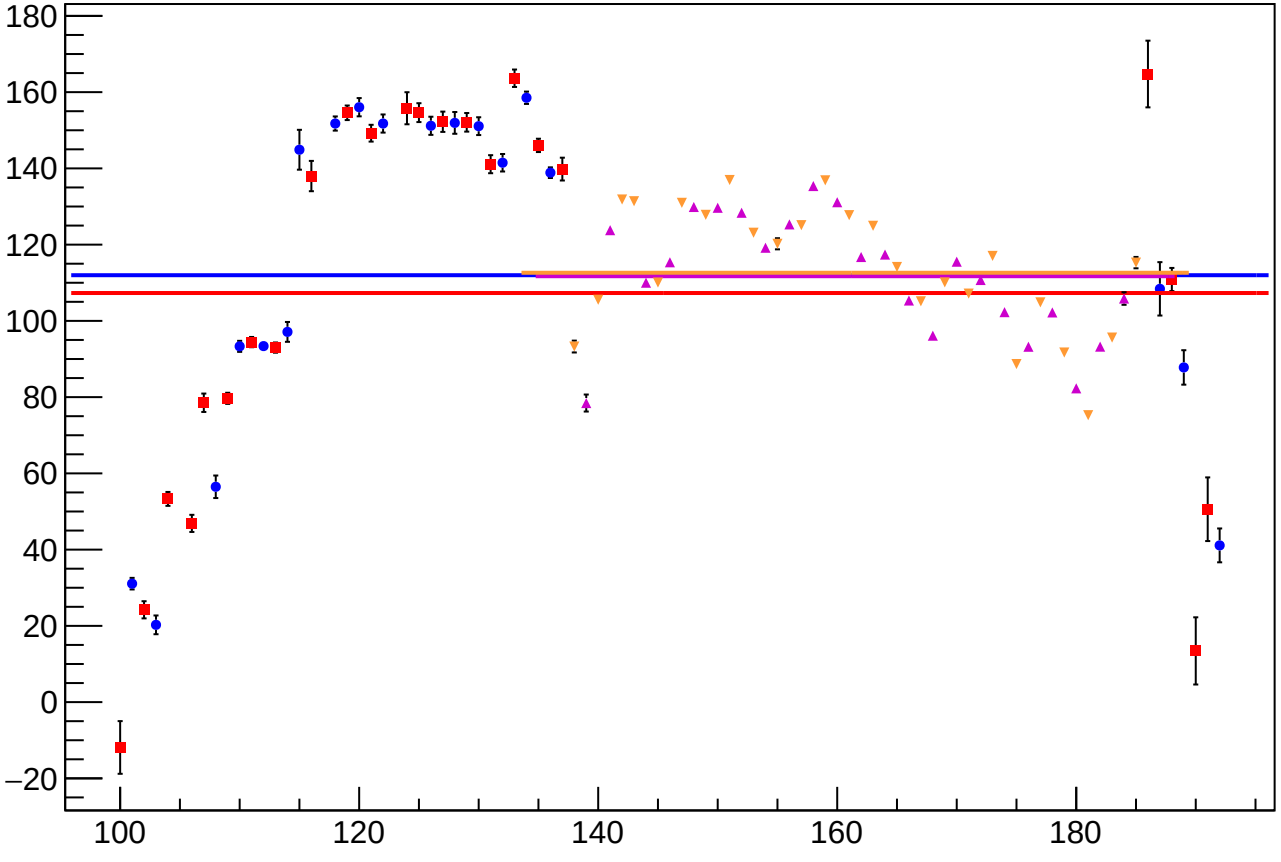
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

\+ sign -62.899+/-0.202 χ^2/NDF: 26397.5/43

All: -63.467+/-0.143 χ^2/NDF: 51360.8/89

\- sign -64.036+/-0.202 χ^2/NDF: 24947.5/45

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



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

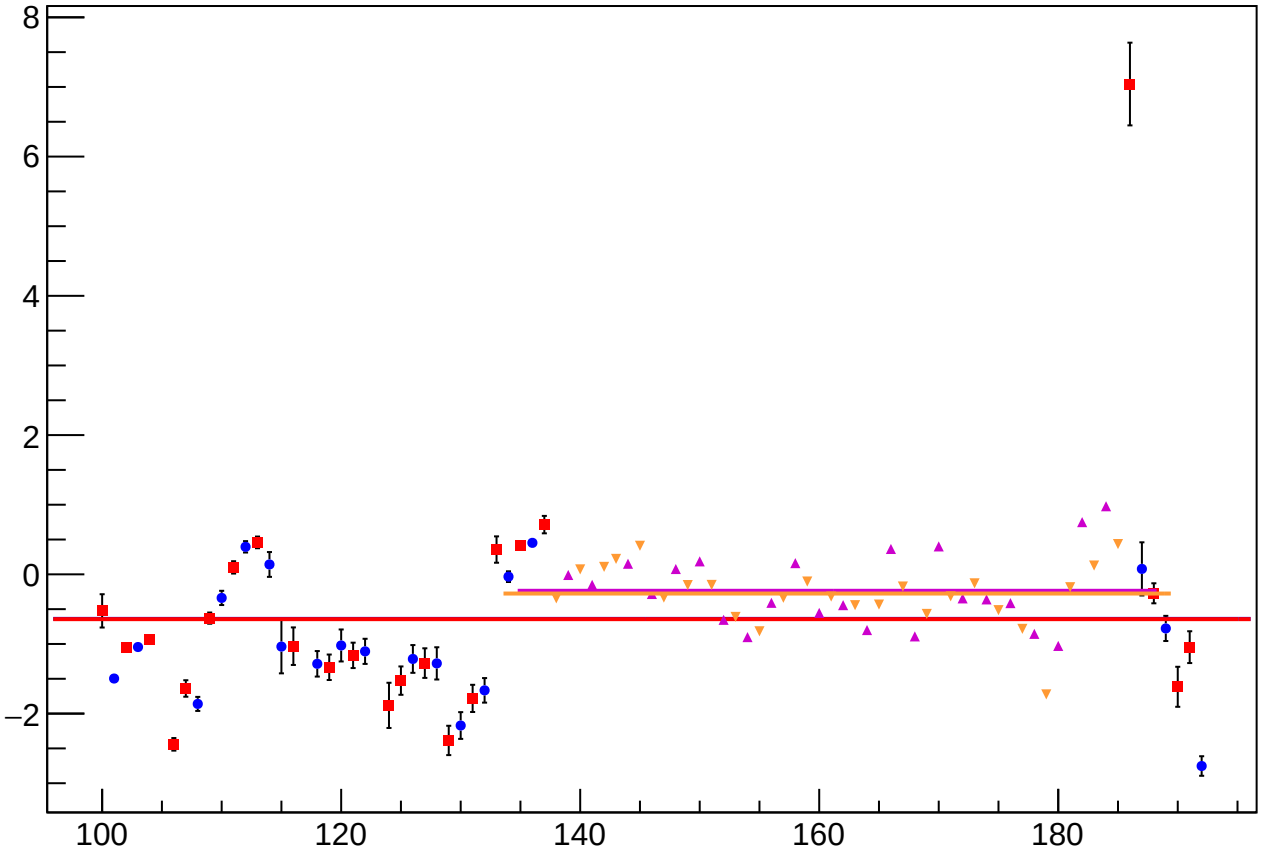
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.530+/-0.185 χ^2/NDF: 15202.9/43

All: 111.788+/-0.132 χ^2/NDF: 27954.5/89

- sign 111.013+/-0.189 χ^2/NDF: 12718.6/45

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



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

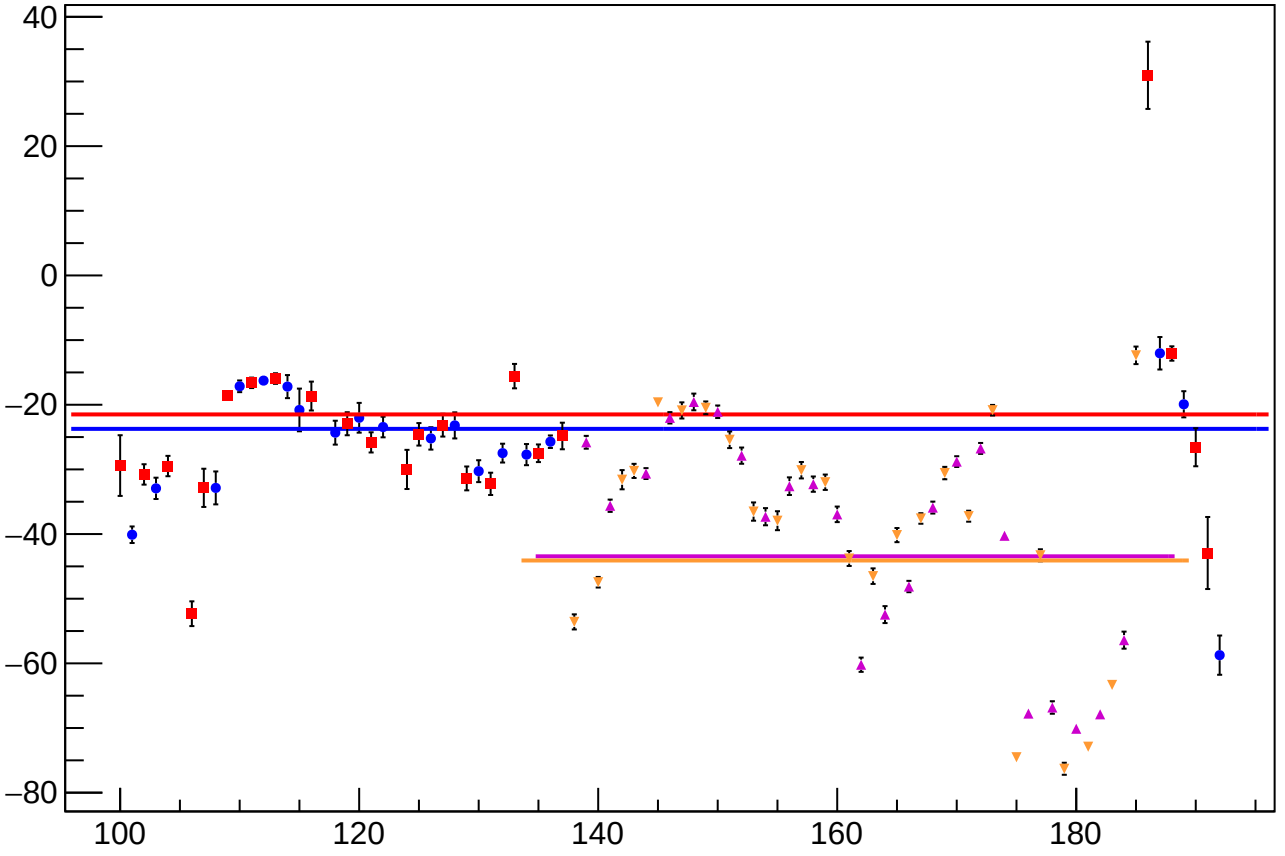
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.317+/-0.008 χ^2/NDF: 3644.3/43

All: -0.302+/-0.006 χ^2/NDF: 8356.9/89

- sign -0.286+/-0.009 χ^2/NDF: 4706.1/45

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

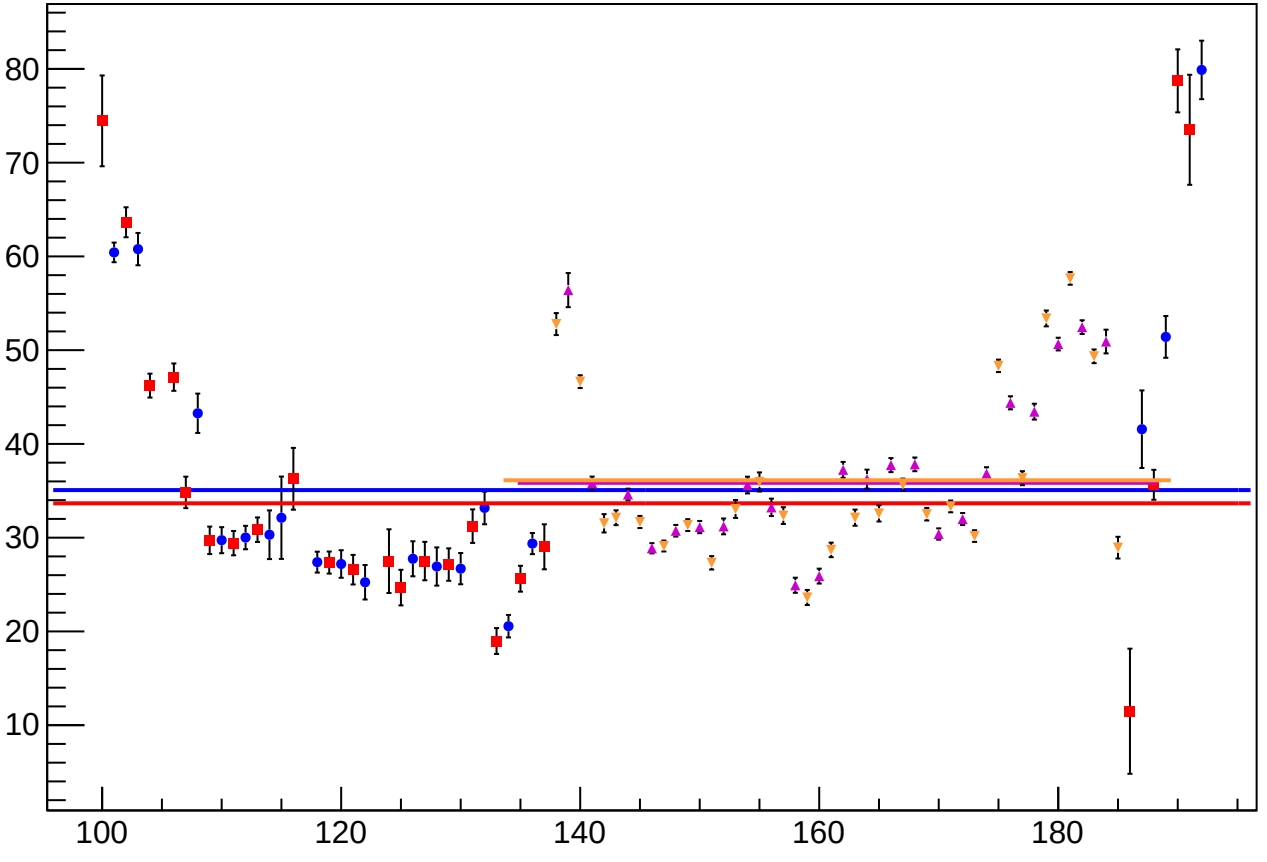
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -39.080+/-0.168 χ^2/NDF: 13640.8/43

All: -38.007+/-0.118 χ^2/NDF: 25904.9/89

- sign -36.945+/-0.167 χ^2/NDF: 12182.6/45

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



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

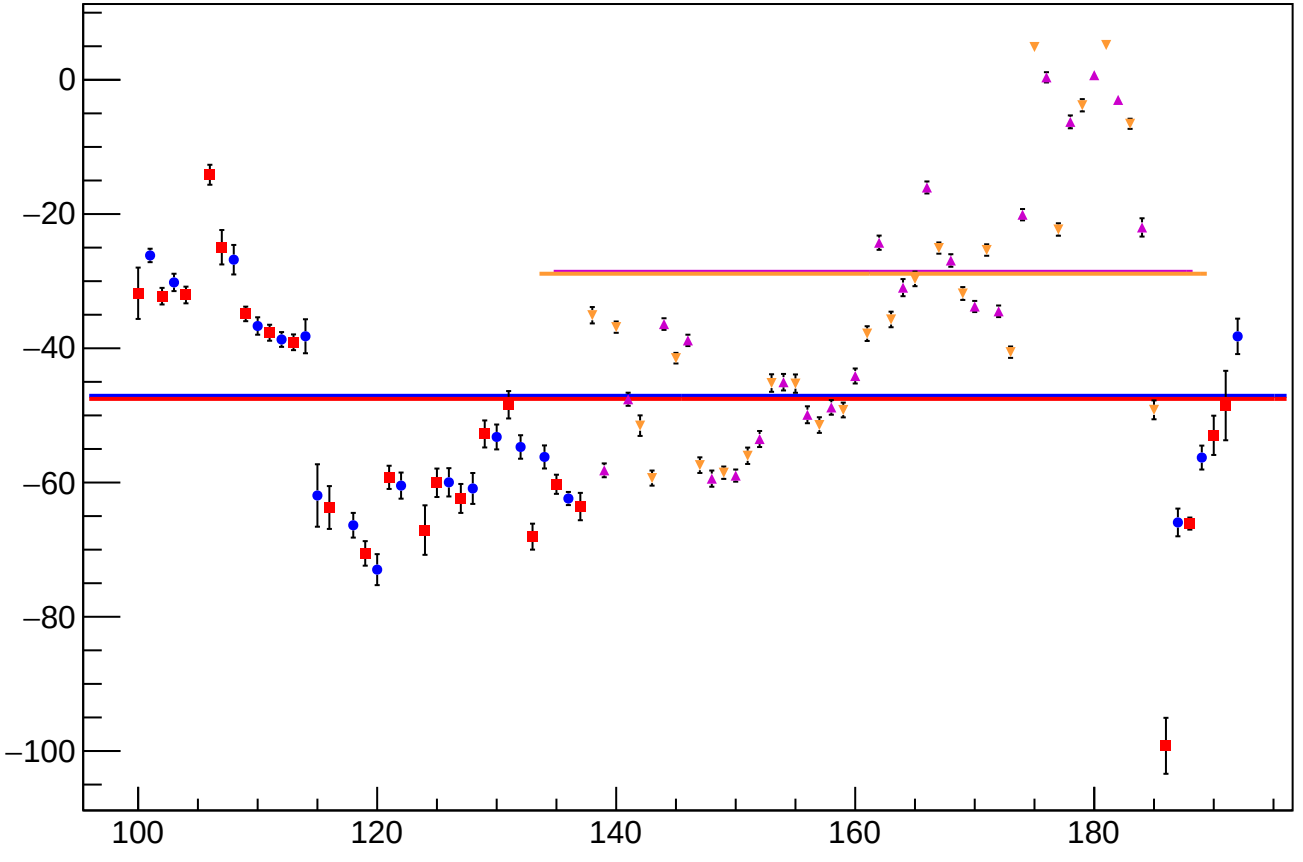
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 35.972+/-0.139 χ^2/NDF: 5022.1/43

All: 35.747+/-0.099 χ^2/NDF: 8469.8/89

- sign 35.510+/-0.142 χ^2/NDF: 3442.2/45

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



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

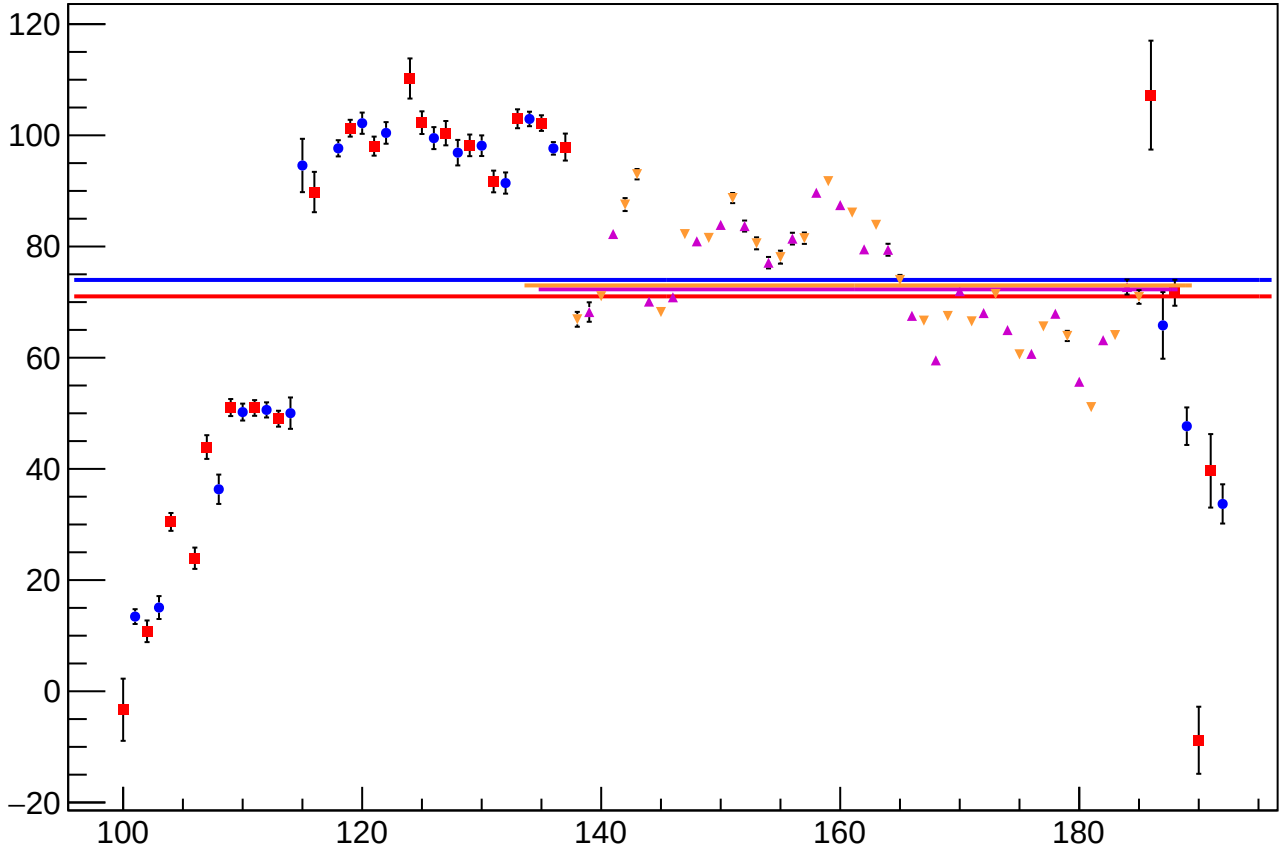
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

\+ sign -32.761+/-0.171 χ^2/NDF: 15309.2/43

All: -33.030+/-0.121 χ^2/NDF: 29950.9/89

\- sign -33.302+/-0.171 χ^2/NDF: 14636.7/45

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



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

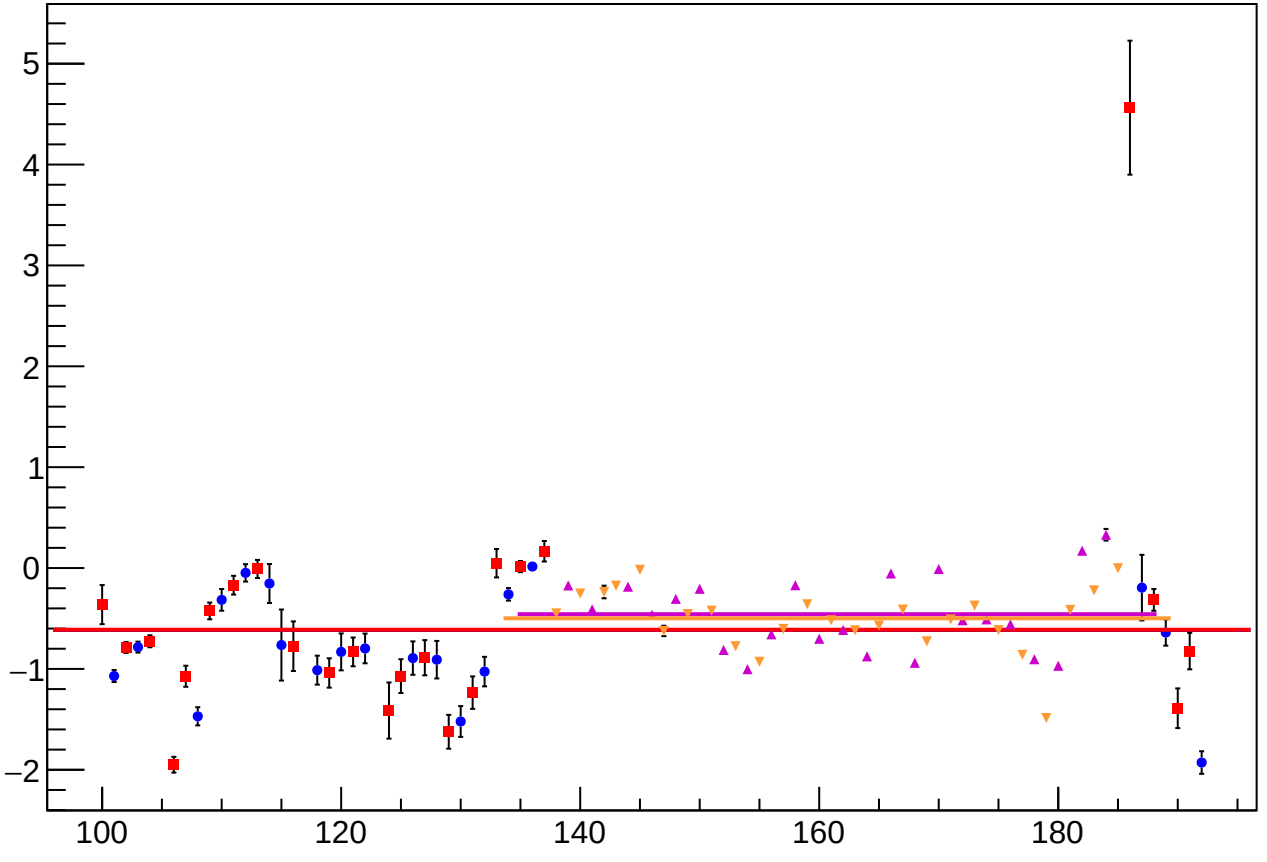
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 73.139+/-0.156 χ^2/NDF: 10084.3/43

All: 72.639+/-0.112 χ^2/NDF: 18866.4/89

- sign 72.115+/-0.160 χ^2/NDF: 8761.1/45

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



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

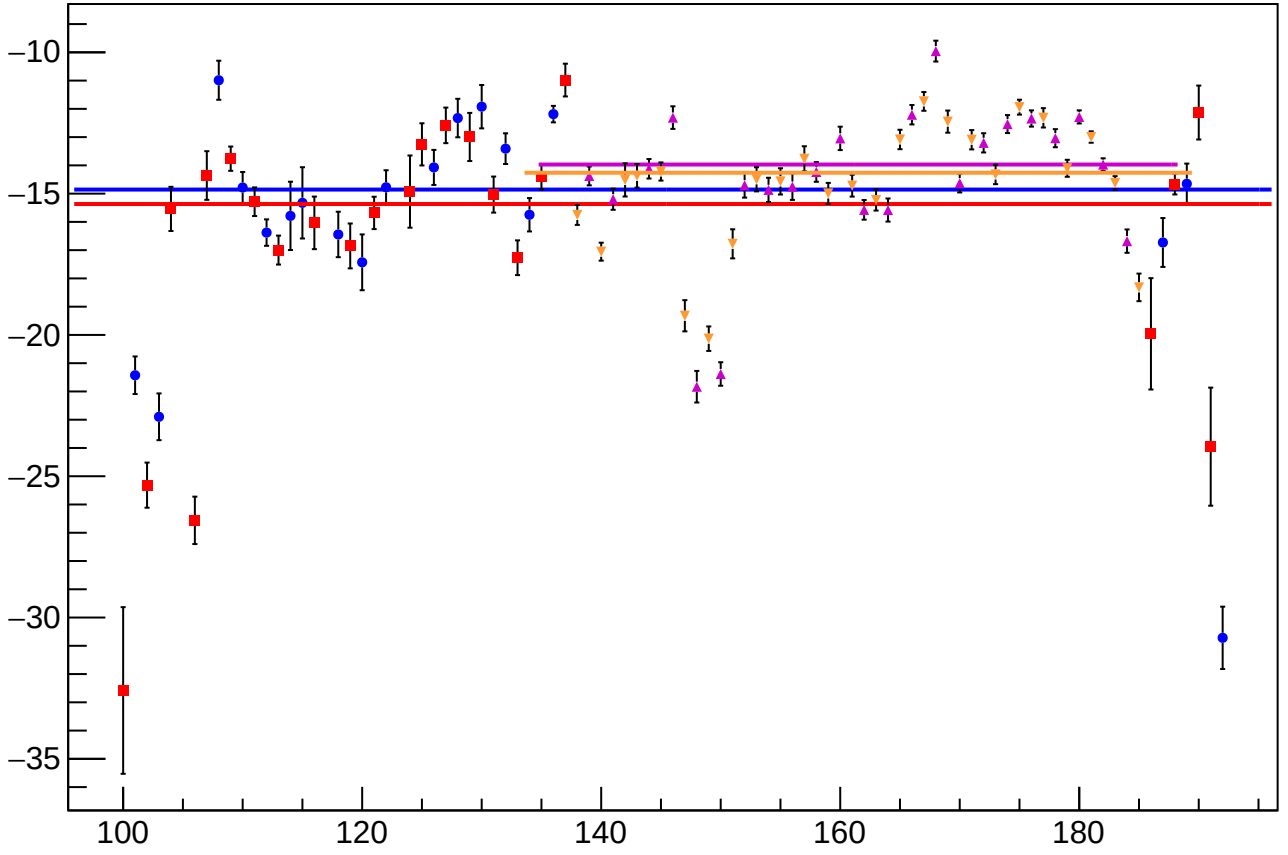
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.511+/-0.007 χ^2/NDF: 2147.0/43

All: -0.493+/-0.005 χ^2/NDF: 5083.8/89

- sign -0.475+/-0.007 χ^2/NDF: 2924.4/45

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



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

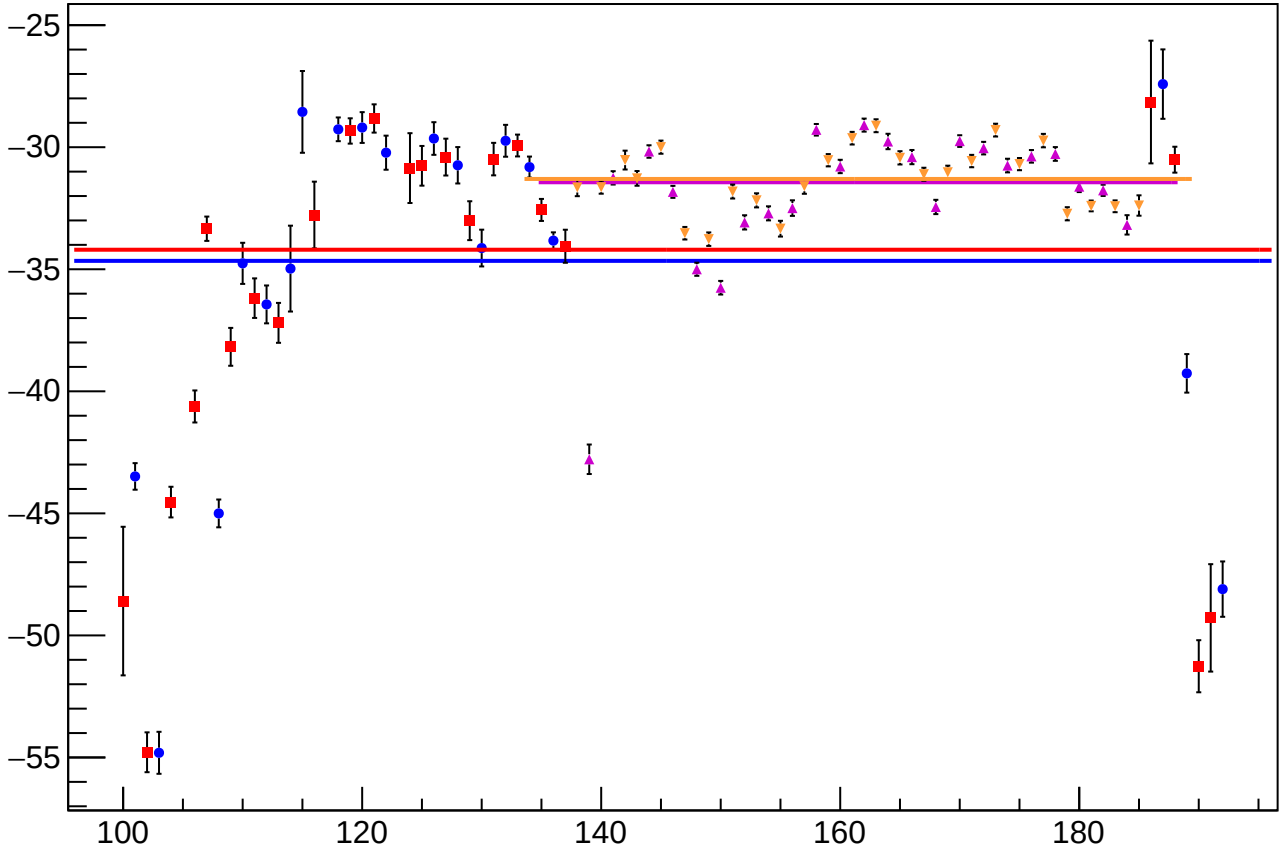
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.375+/-0.063 χ^2/NDF: 1318.1/43

All: -14.325+/-0.045 χ^2/NDF: 2851.0/89

- sign -14.273+/-0.064 χ^2/NDF: 1531.6/45

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



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

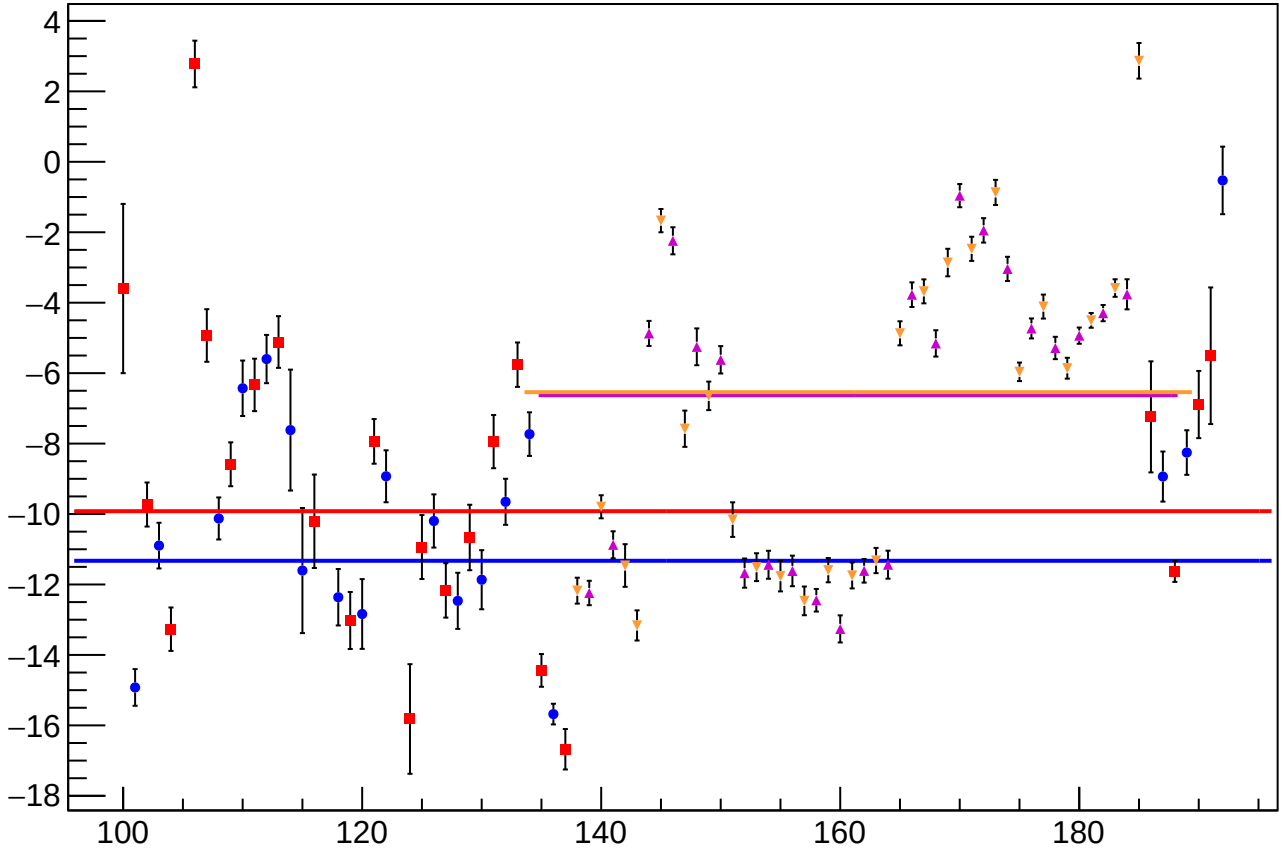
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.709+/-0.052 χ^2/NDF: 2828.5/43

All: -31.755+/-0.037 χ^2/NDF: 6147.4/89

- sign -31.805+/-0.053 χ^2/NDF: 3317.2/45

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



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

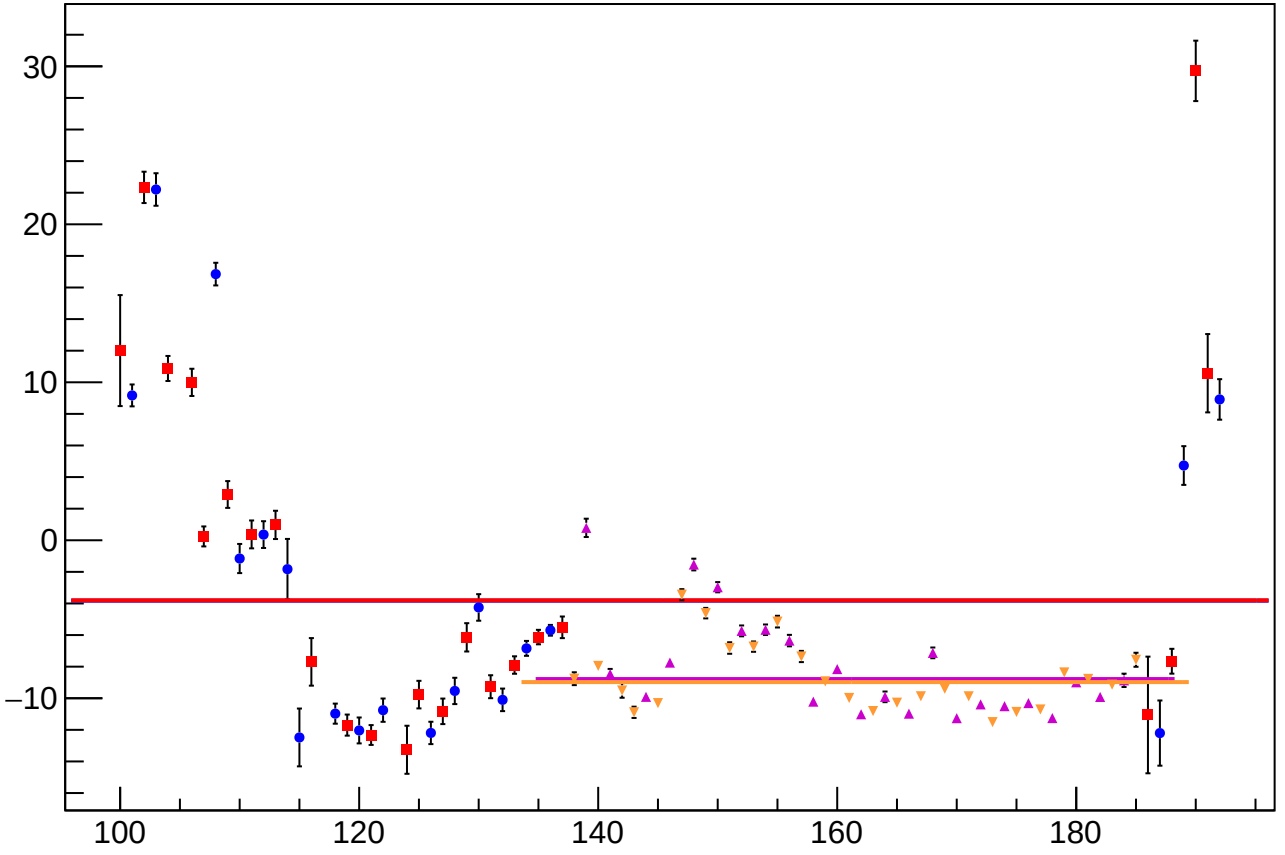
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

\+ sign -7.388+/-0.063 χ^2/NDF: 4689.4/43

All: -7.341+/-0.045 χ^2/NDF: 8932.7/89

\- sign -7.292+/-0.064 χ^2/NDF: 4242.1/45

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.823+/-0.168 χ^2/NDF: 2692.8/18

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

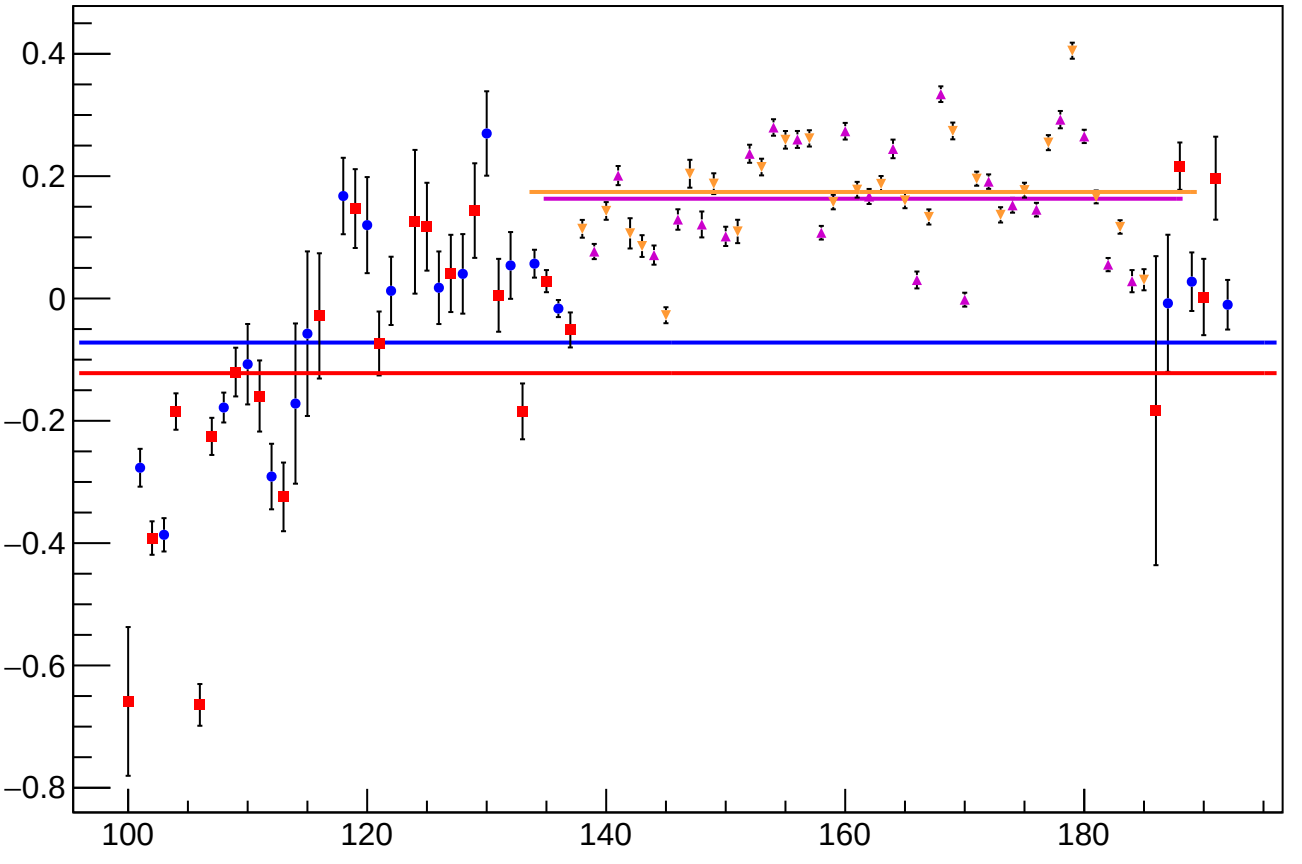
Right Out: -3.800+/-0.171 χ^2/NDF: 2479.6/22

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.371+/-0.058 χ^2/NDF: 4492.8/43

All: -8.278+/-0.041 χ^2/NDF: 9413.7/89

- sign -8.180+/-0.059 χ^2/NDF: 4915.6/45



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

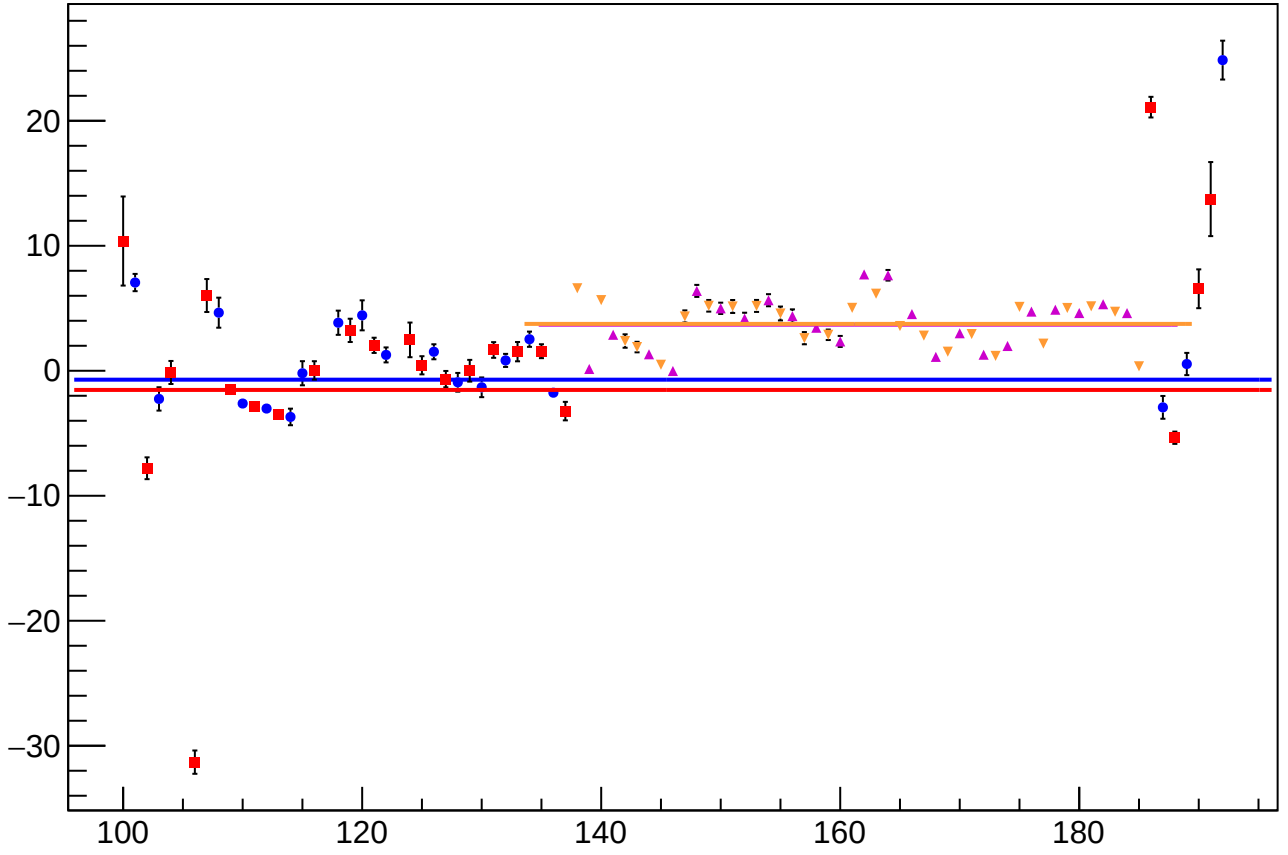
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.150+/-0.003 χ^2/NDF: 2054.8/43

All: 0.143+/-0.002 χ^2/NDF: 4880.5/89

- sign 0.137+/-0.003 χ^2/NDF: 2812.8/45

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



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

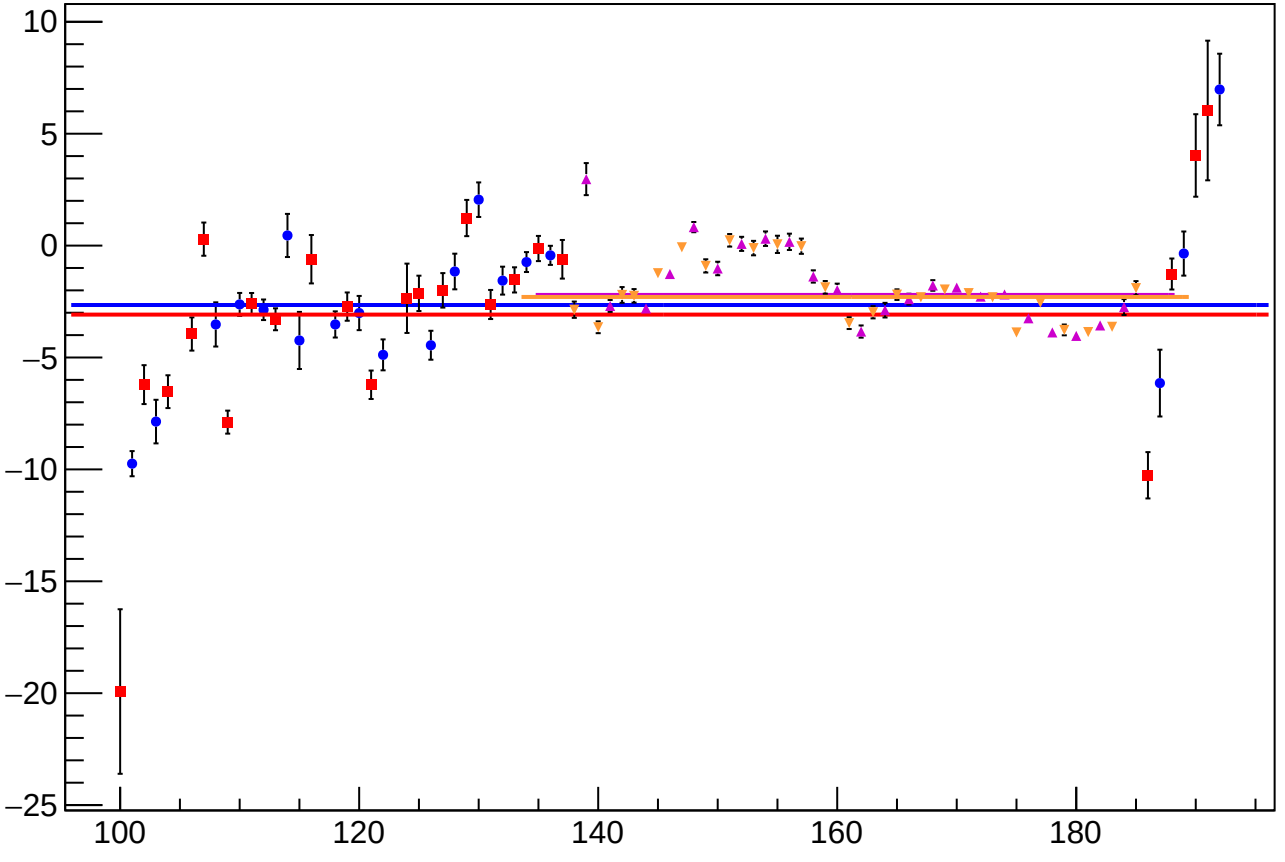
Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 2.955+/-0.056 χ^2/NDF: 2393.9/43

All: 2.763+/-0.040 χ^2/NDF: 7007.4/89

- sign 2.569+/-0.057 χ^2/NDF: 4590.1/45

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



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

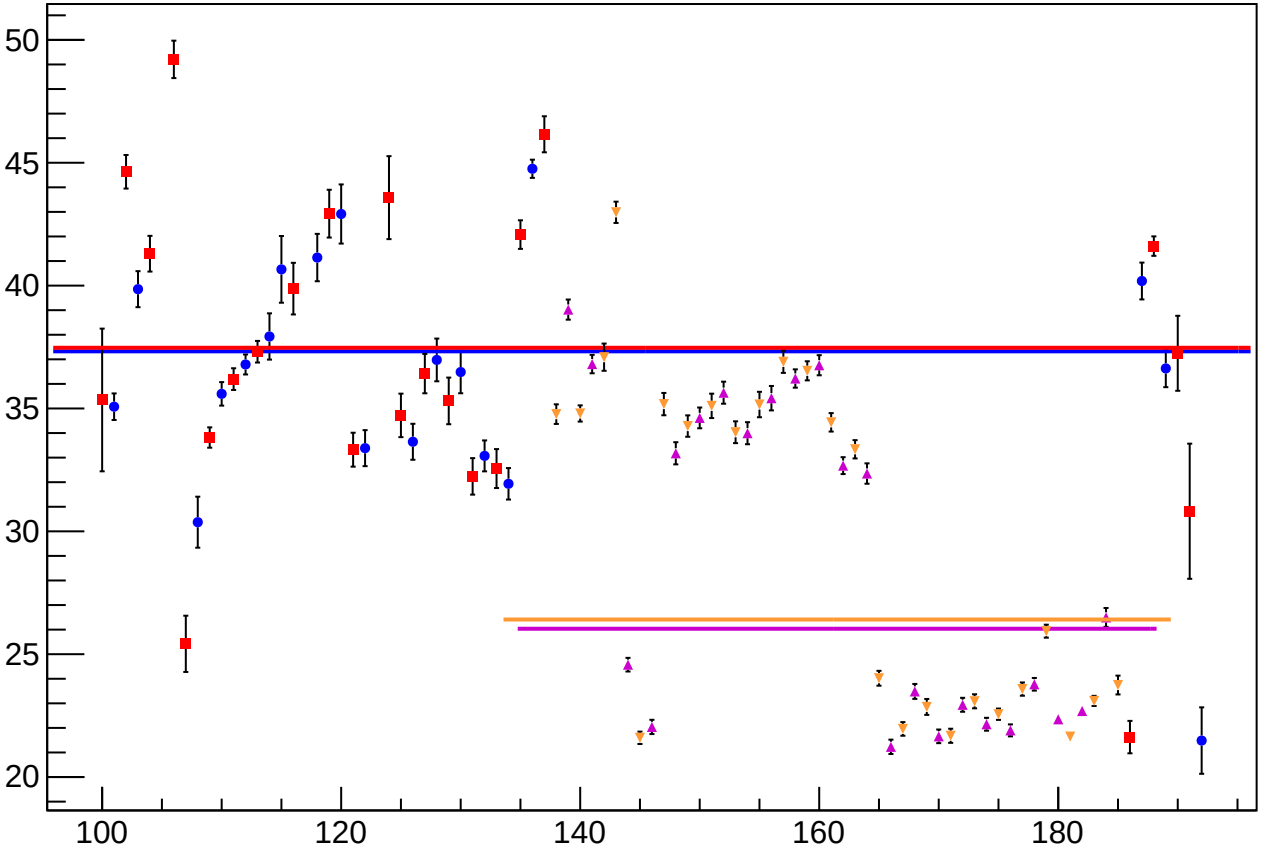
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.329+/-0.047 χ^2/NDF: 994.3/43

All: -2.311+/-0.034 χ^2/NDF: 2100.5/89

- sign -2.293+/-0.048 χ^2/NDF: 1105.9/45

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



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

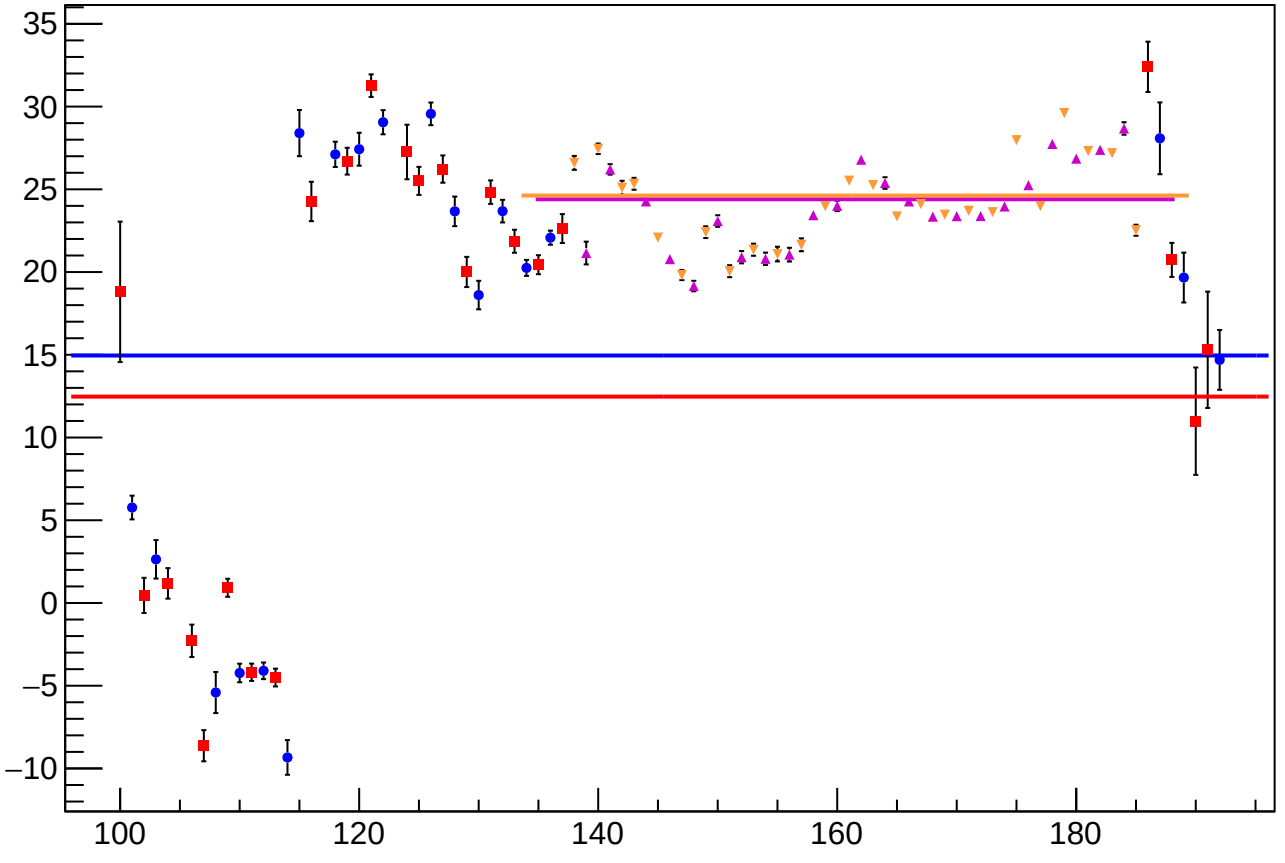
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.964+/-0.058 χ^2/NDF: 14451.5/43

All: 27.946+/-0.041 χ^2/NDF: 29254.3/89

- sign 27.928+/-0.058 χ^2/NDF: 14802.6/45

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



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

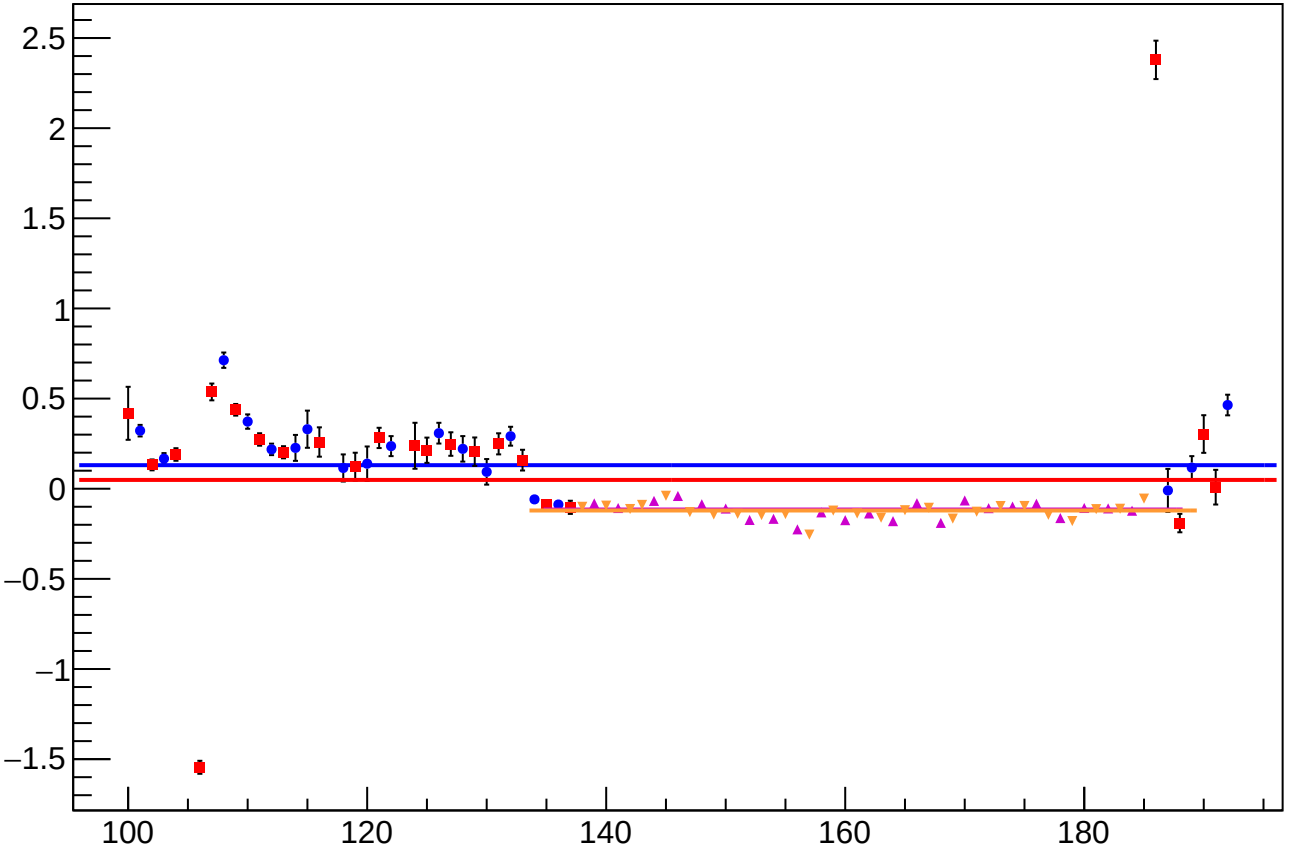
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.717+/-0.053 χ^2/NDF: 10566.5/43

All: 23.486+/-0.038 χ^2/NDF: 22981.8/89

- sign 23.246+/-0.054 χ^2/NDF: 12376.0/45

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



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

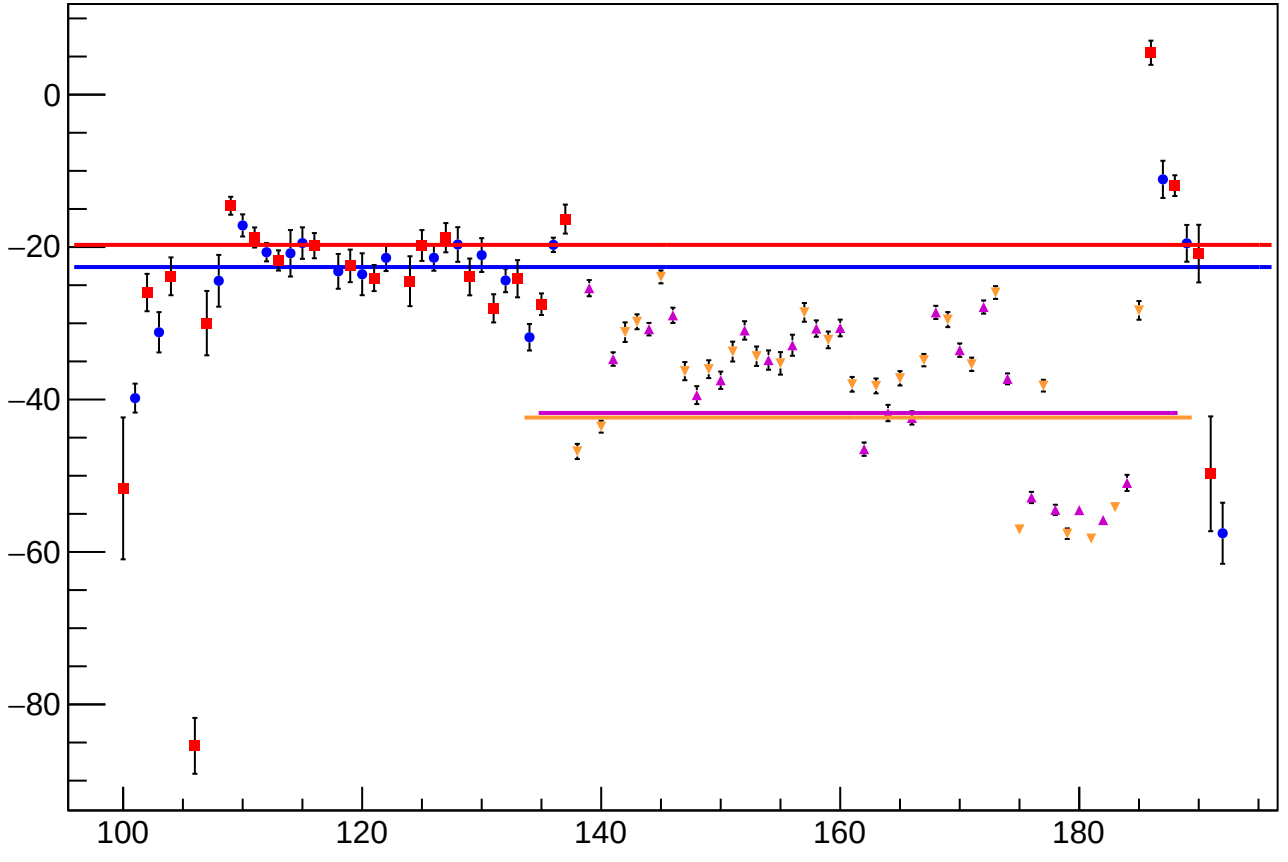
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

\+ sign -0.104+/-0.002 χ^2/NDF: 1521.3/43

All: -0.104+/-0.002 χ^2/NDF: 5015.2/89

\- sign -0.105+/-0.002 χ^2/NDF: 3493.8/45

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



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

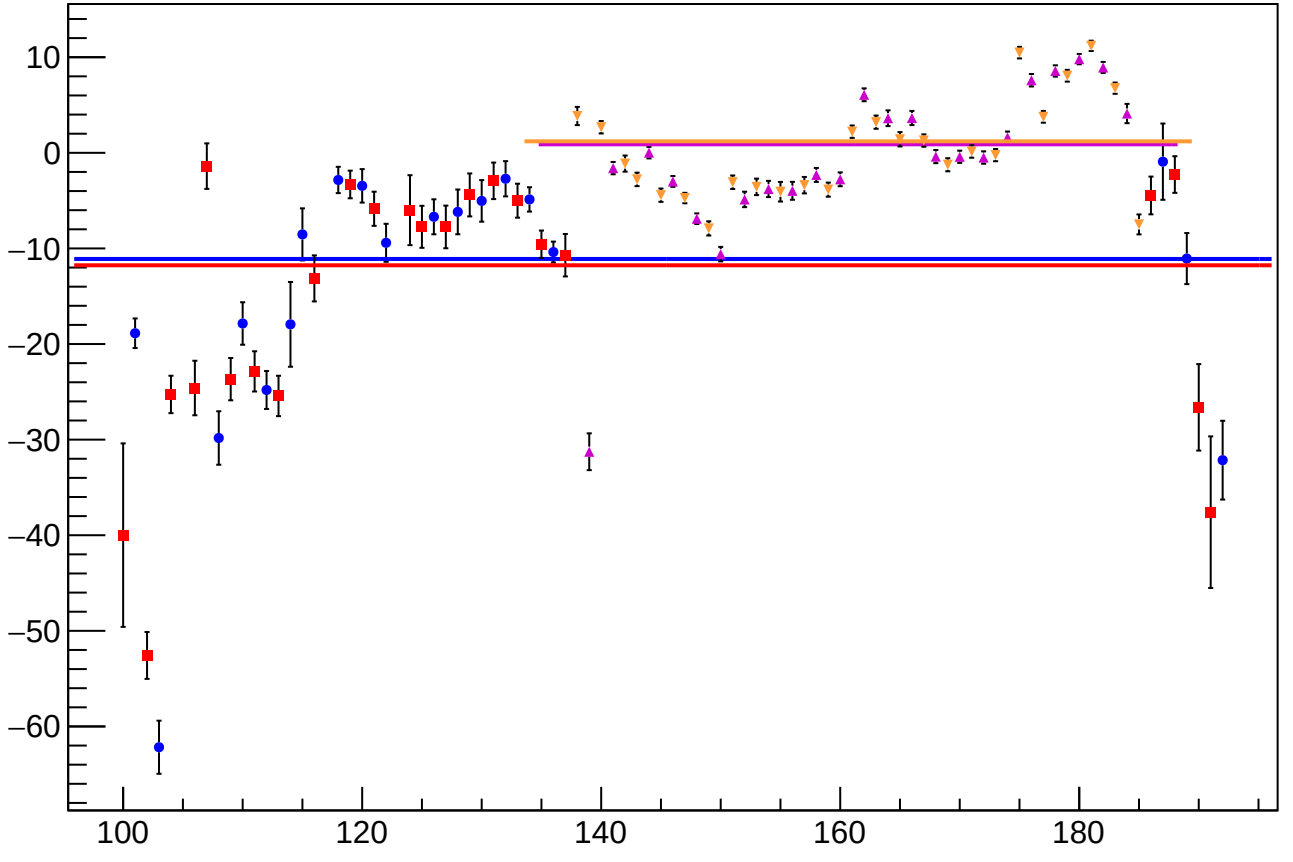
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.426+/-0.162 χ^2/NDF: 6622.3/43

All: -38.711+/-0.116 χ^2/NDF: 13401.6/89

- sign -37.963+/-0.165 χ^2/NDF: 6739.2/45

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



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

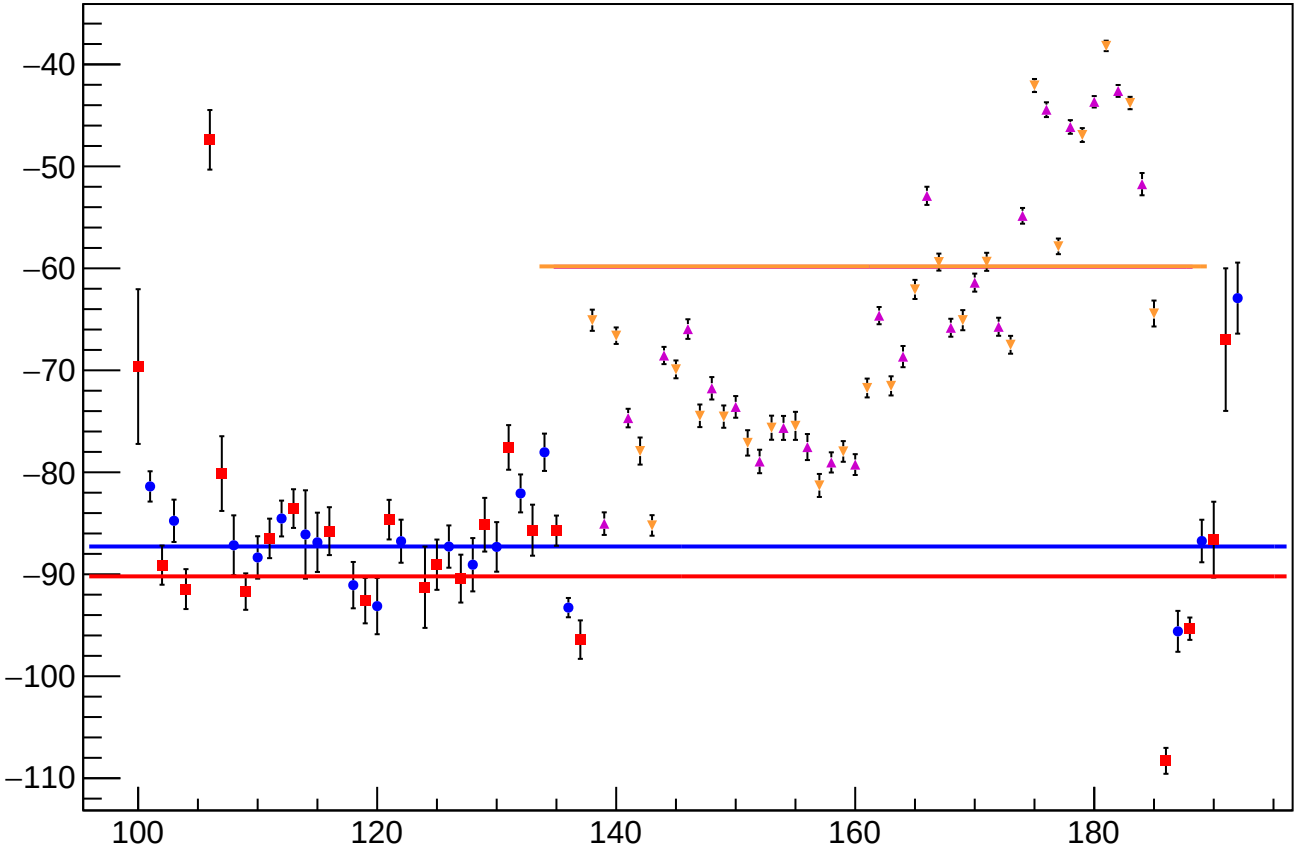
Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign 0.106+/-0.132 χ^2/NDF: 2790.6/43

All: -0.073+/-0.095 χ^2/NDF: 5907.7/89

- sign -0.265+/-0.136 χ^2/NDF: 3113.2/45

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



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

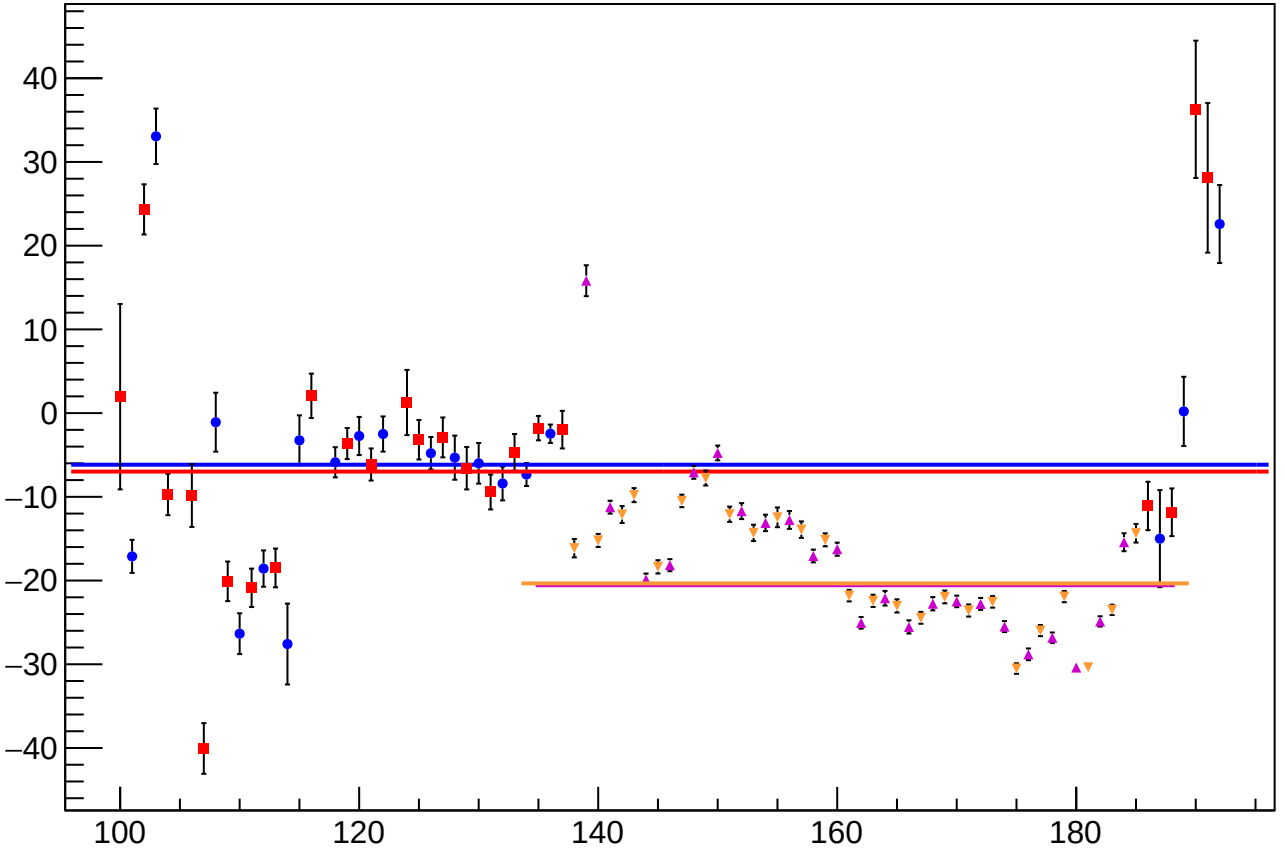
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.398+/-0.163 χ^2/NDF: 10019.9/43

All: -63.913+/-0.117 χ^2/NDF: 20394.8/89

- sign -64.450+/-0.167 χ^2/NDF: 10354.6/45

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



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

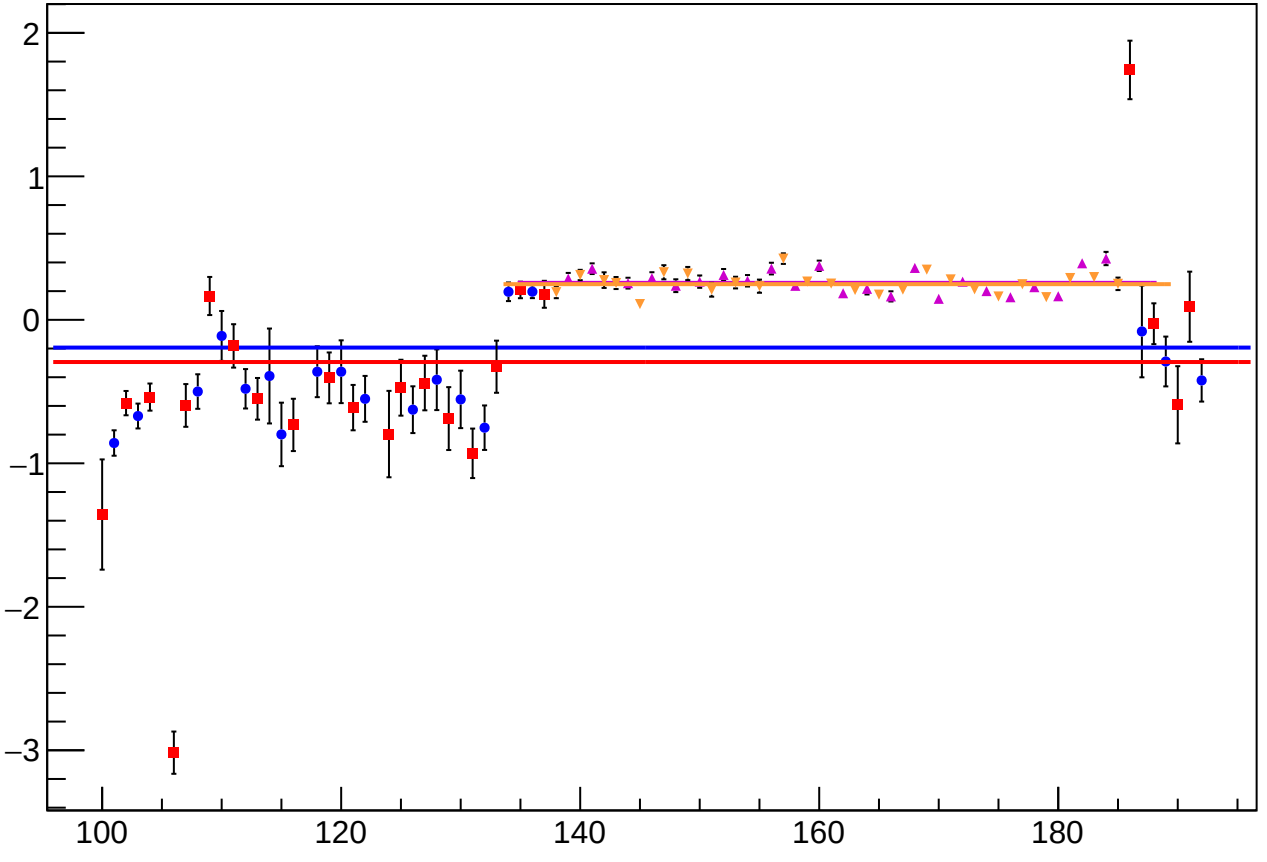
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -19.099+/-0.148 χ^2/NDF: 2793.7/43

All: -19.241+/-0.106 χ^2/NDF: 6025.5/89

- sign -19.393+/-0.153 χ^2/NDF: 3230.0/45

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



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

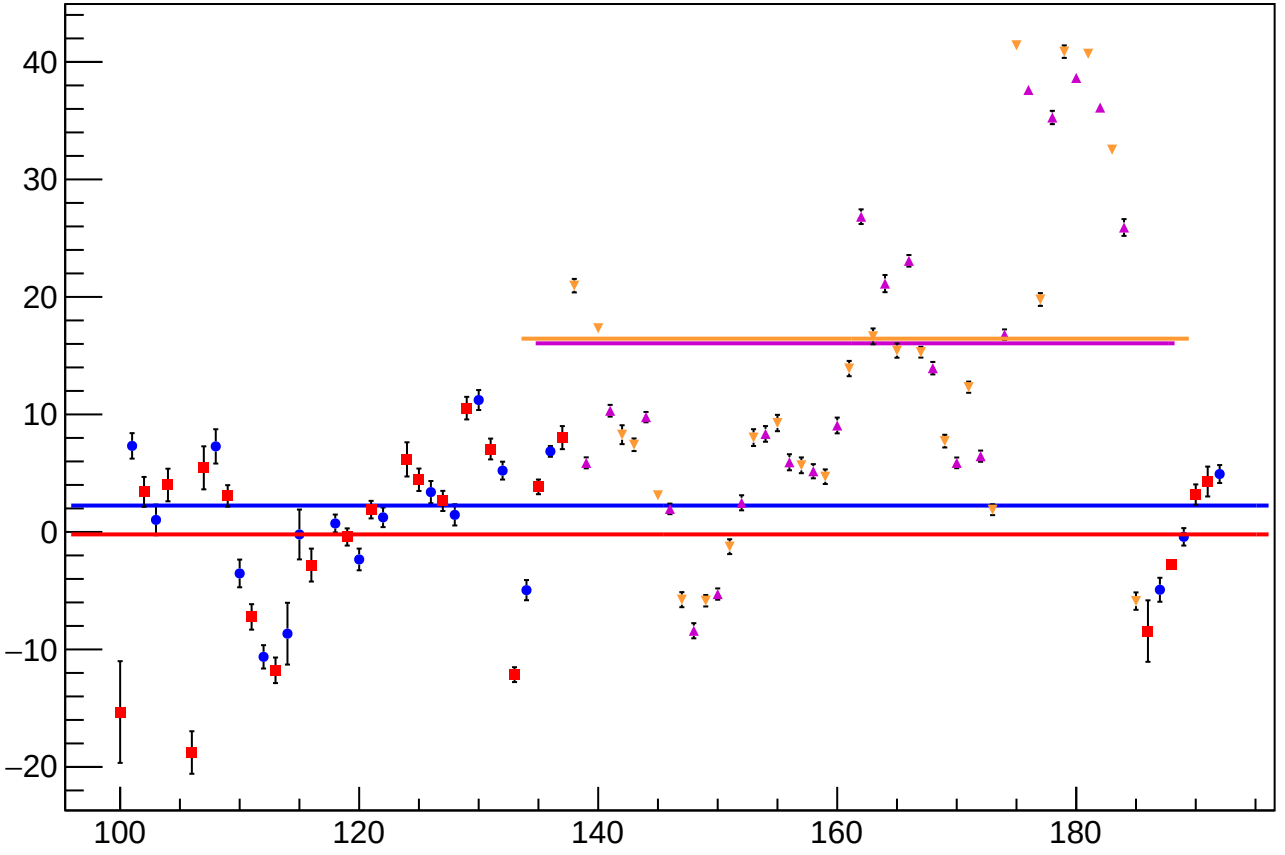
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.219+/-0.007 χ^2/NDF: 614.1/43

All: 0.222+/-0.005 χ^2/NDF: 1738.0/89

- sign 0.224+/-0.007 χ^2/NDF: 1123.6/45

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.245+/-0.202 χ^2/NDF: 650.2/18

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

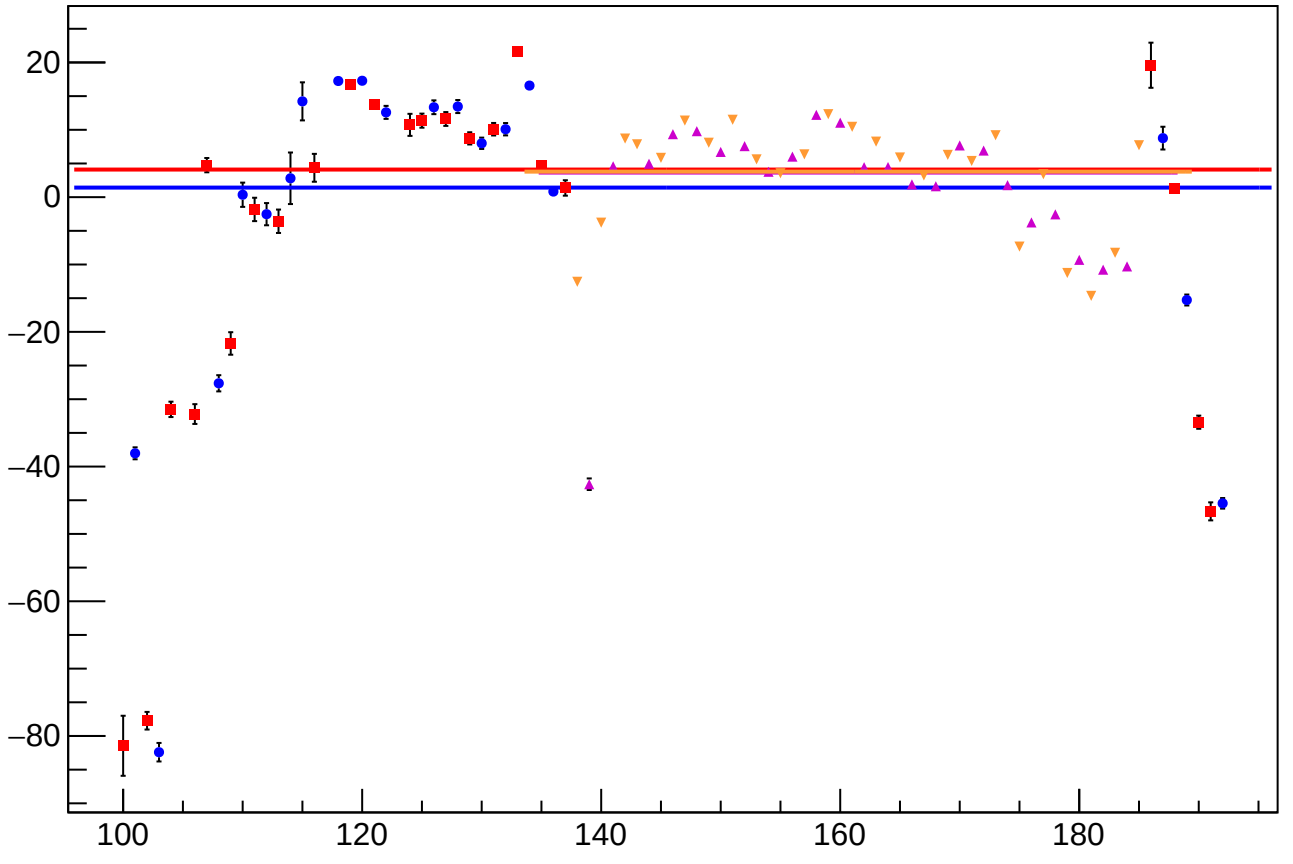
Right Out: -0.210+/-0.184 χ^2/NDF: 1120.9/22

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

\+ sign 13.483+/-0.093 χ^2/NDF: 25945.1/43

All: 12.714+/-0.065 χ^2/NDF: 50640.4/89

\- sign 11.942+/-0.093 χ^2/NDF: 24556.9/45



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

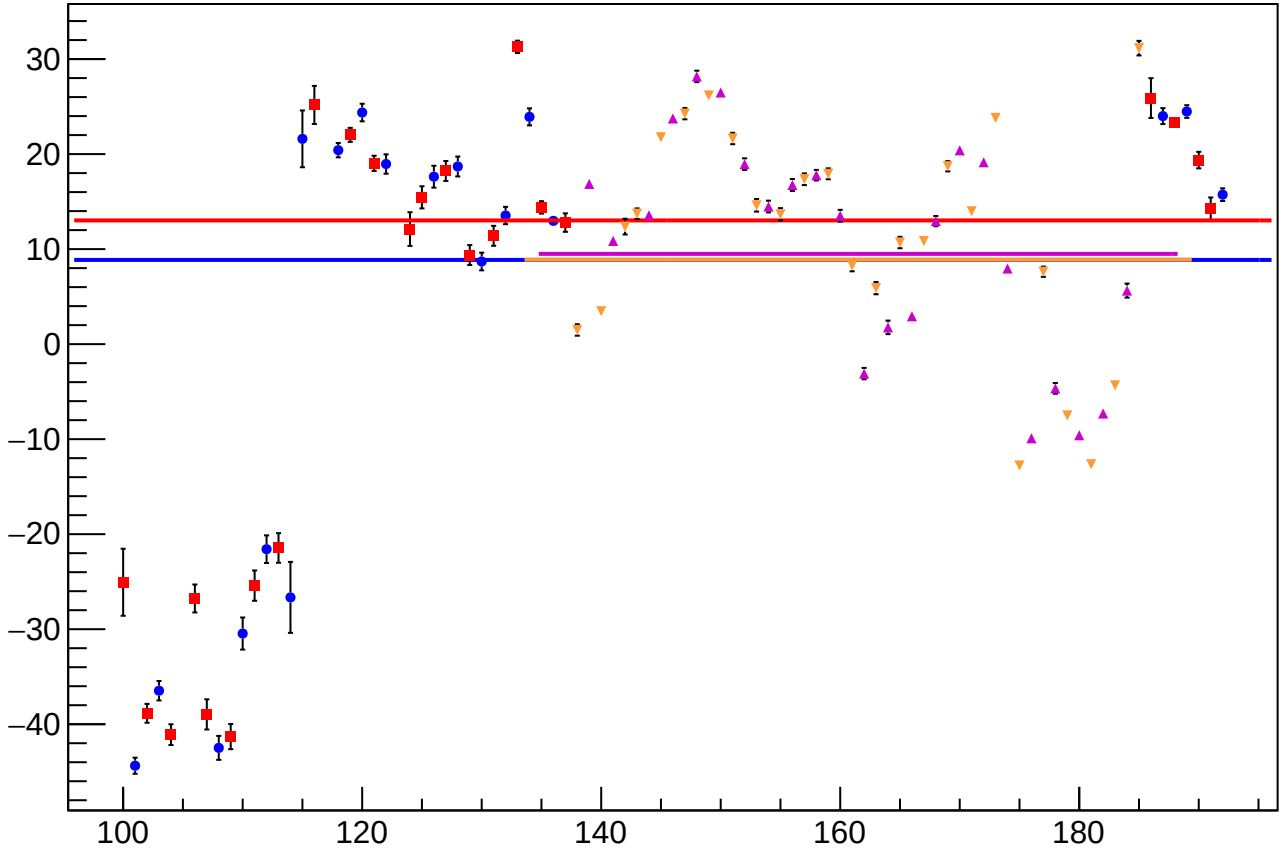
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 3.449+/-0.074 χ^2/NDF: 22597.4/43

All: 3.582+/-0.053 χ^2/NDF: 42521.8/89

- sign 3.721+/-0.076 χ^2/NDF: 19917.8/45

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 8.863+/-0.206 χ^2/NDF: 10771.8/18

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

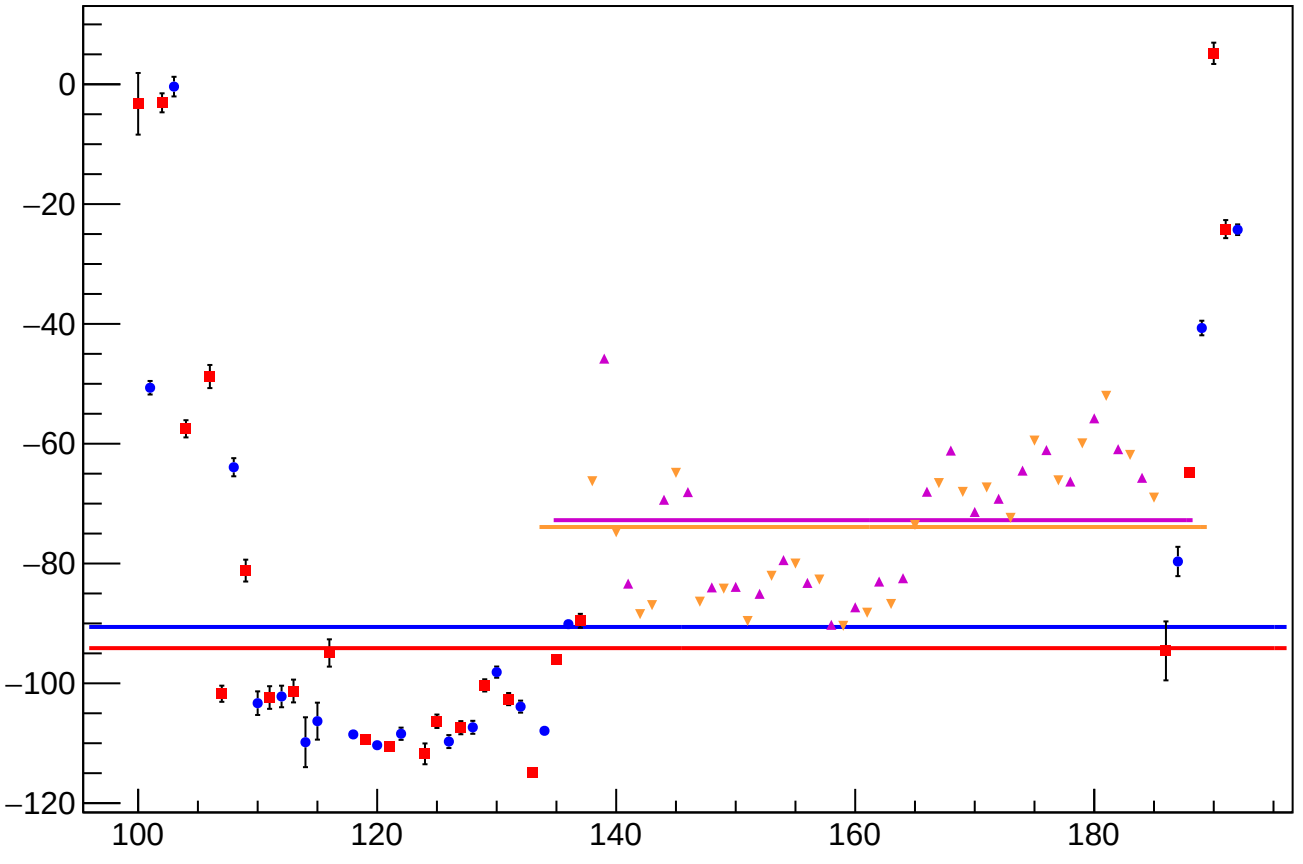
Right Out: 13.019+/-0.181 χ^2/NDF: 12176.4/22

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 8.886+/-0.093 χ^2/NDF: 26200.0/43

All: 9.650+/-0.065 χ^2/NDF: 51832.4/89

- sign 10.402+/-0.092 χ^2/NDF: 25497.2/45



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

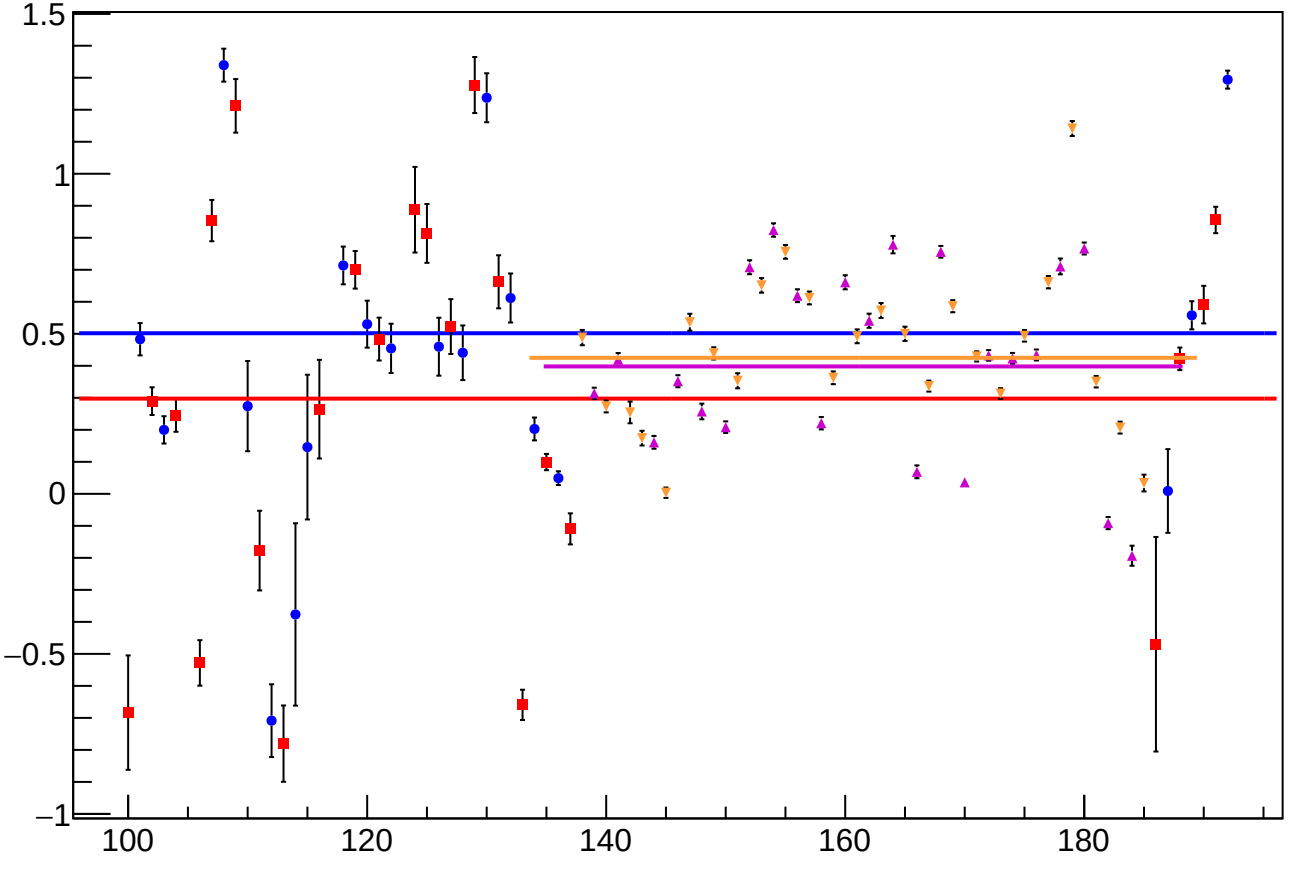
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -76.175+/-0.084 χ^2/NDF: 35454.4/43

All: -76.030+/-0.060 χ^2/NDF: 70132.5/89

- sign -75.878+/-0.086 χ^2/NDF: 34672.1/45

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



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

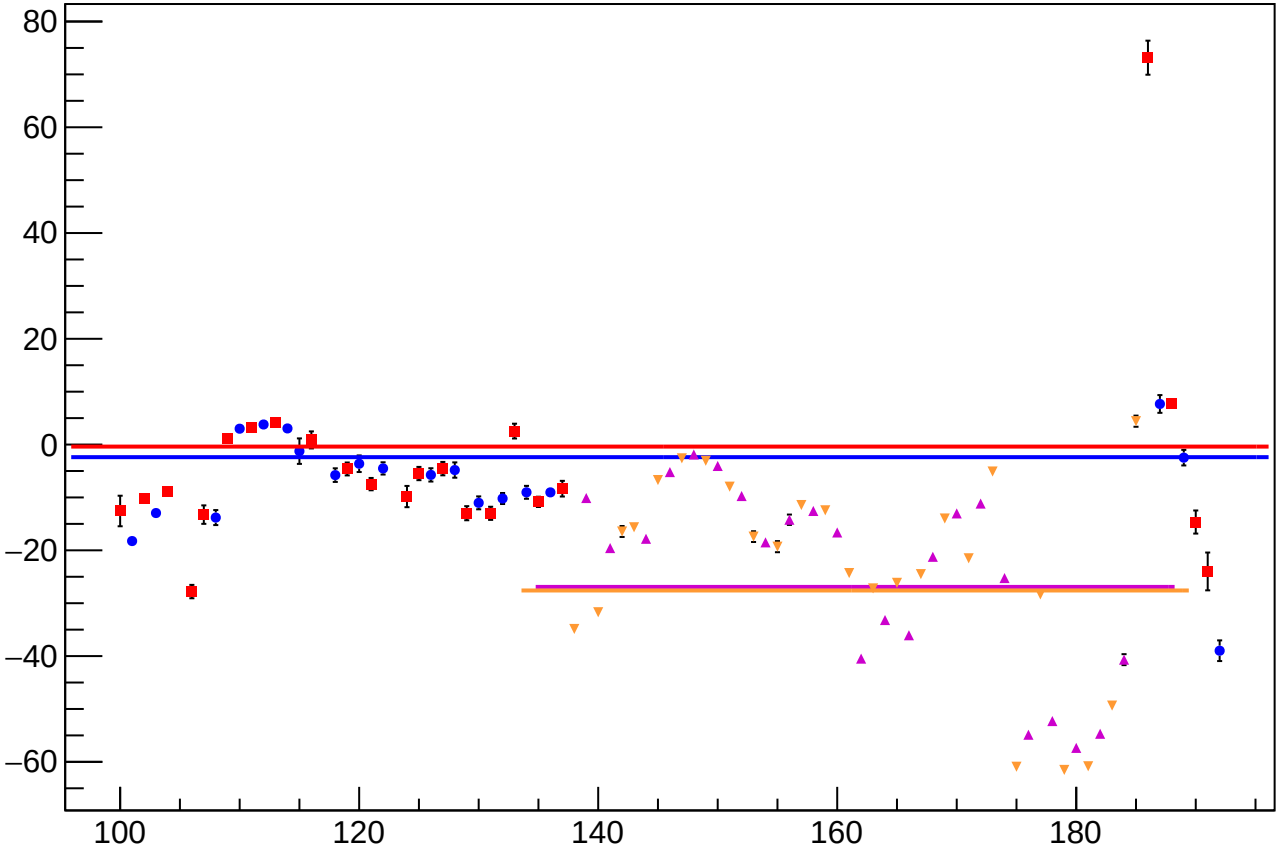
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.433+/-0.004 χ^2/NDF: 4951.0/43

All: 0.411+/-0.003 χ^2/NDF: 10836.5/89

- sign 0.387+/-0.004 χ^2/NDF: 5814.7/45

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.382+/-0.188 χ^2/NDF: 1878.6/18

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

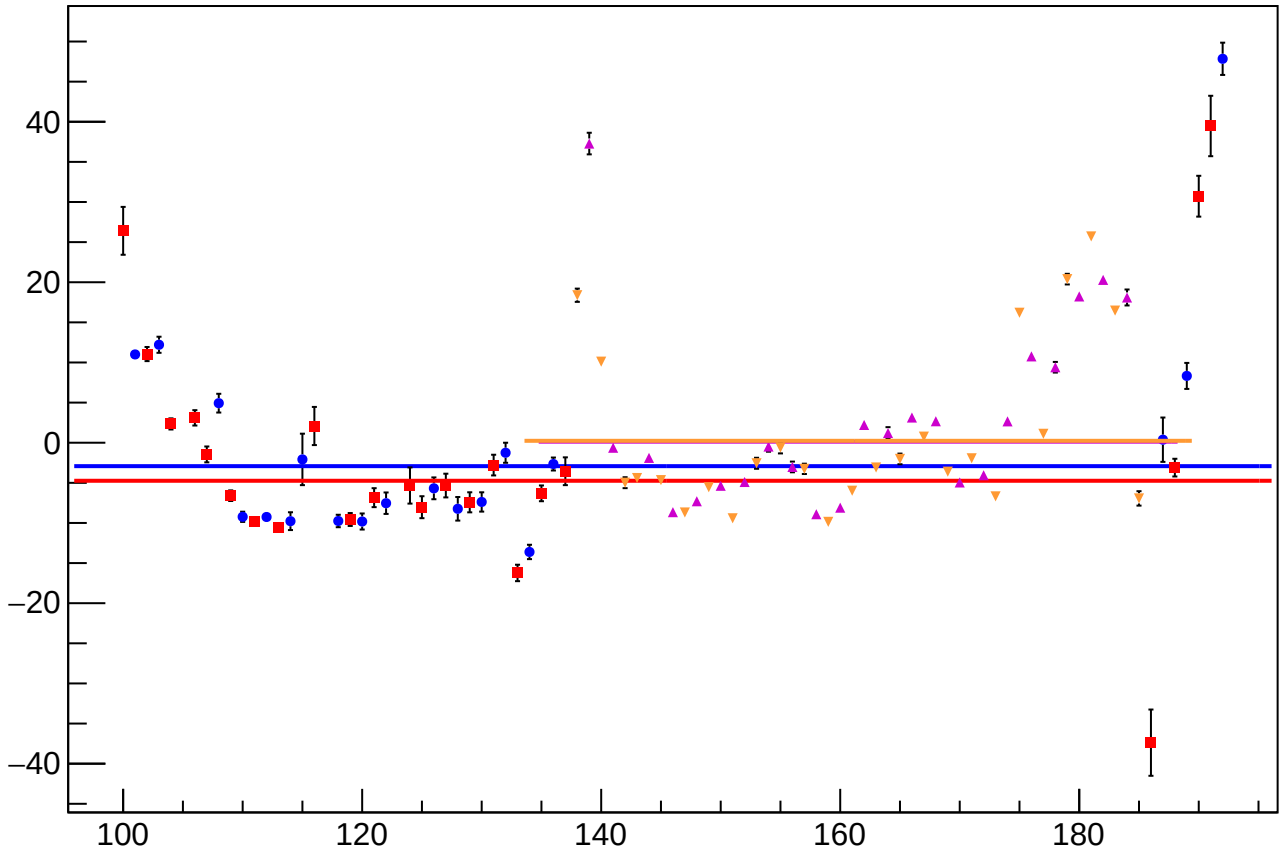
Right Out: -0.384+/-0.165 χ^2/NDF: 2192.5/22

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.264+/-0.115 χ^2/NDF: 32935.7/43

All: -16.589+/-0.080 χ^2/NDF: 65258.4/89

- sign -15.021+/-0.111 χ^2/NDF: 31908.6/45



Right In: -2.921+/-0.221 χ^2/NDF: 2128.0/18

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

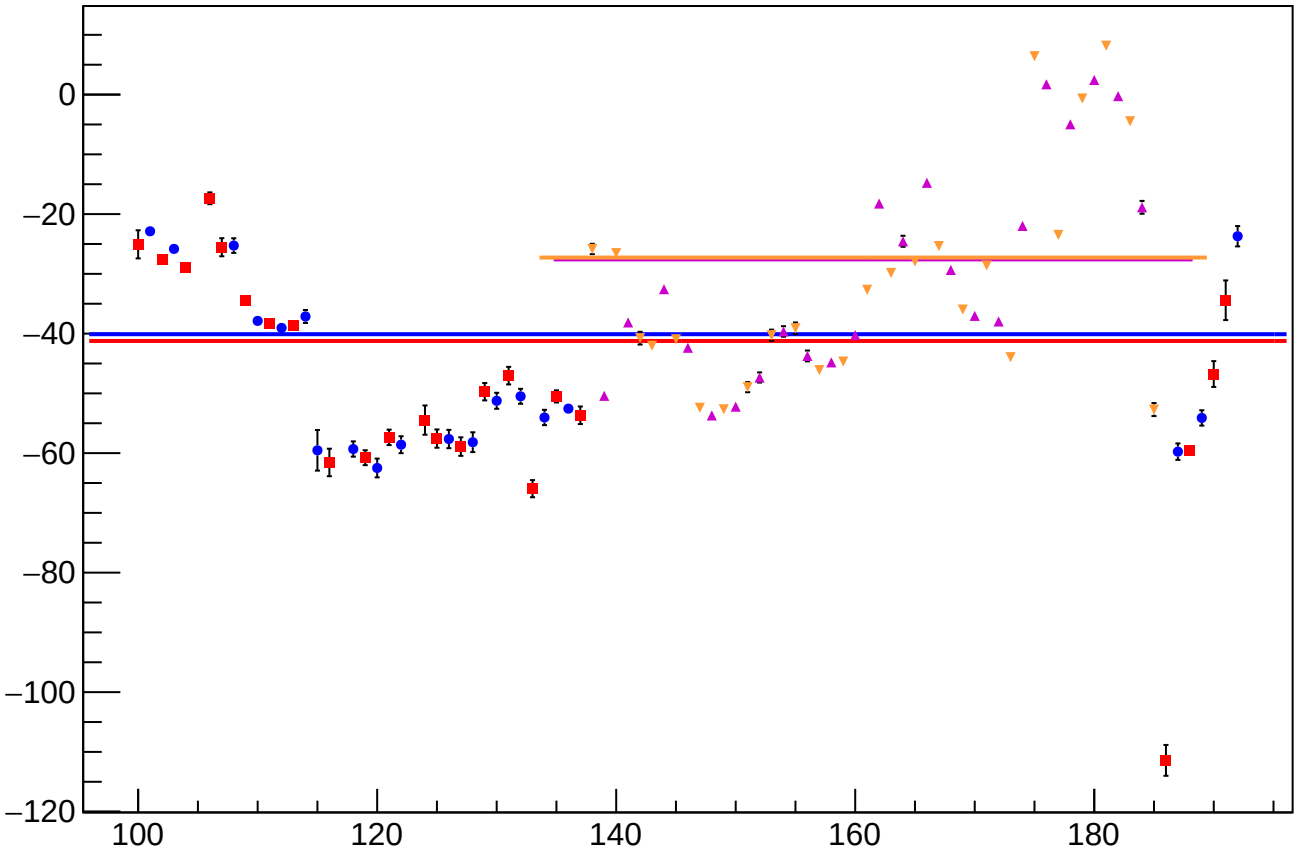
Right Out: -4.742+/-0.213 χ^2/NDF: 1380.4/22

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign -0.390+/-0.099 χ^2/NDF: 10326.7/43

All: -0.669+/-0.071 χ^2/NDF: 17966.5/89

- sign -0.959+/-0.101 χ^2/NDF: 7623.5/45



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

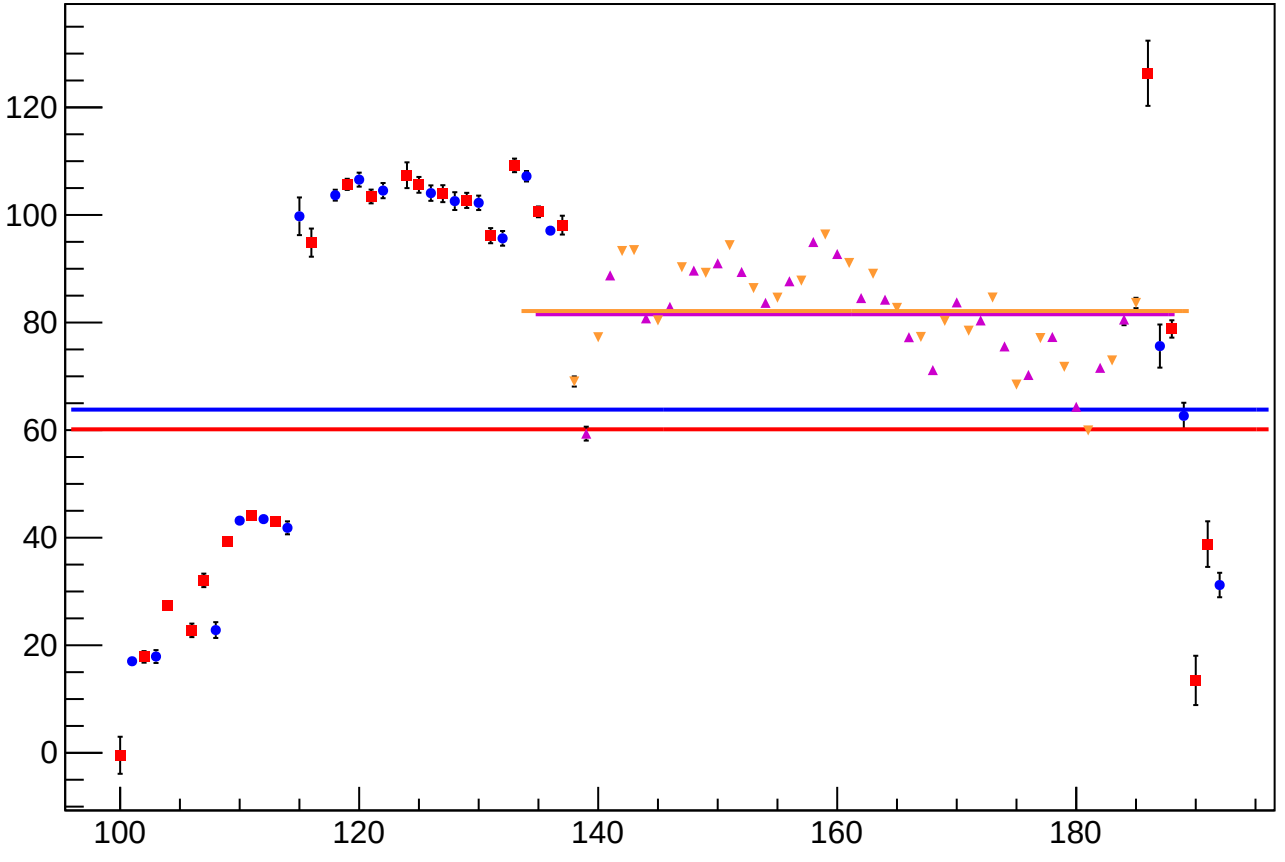
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.178+/-0.120 χ^2/NDF: 24329.0/43

All: -31.815+/-0.084 χ^2/NDF: 47593.0/89

- sign -32.441+/-0.119 χ^2/NDF: 23208.2/45

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



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

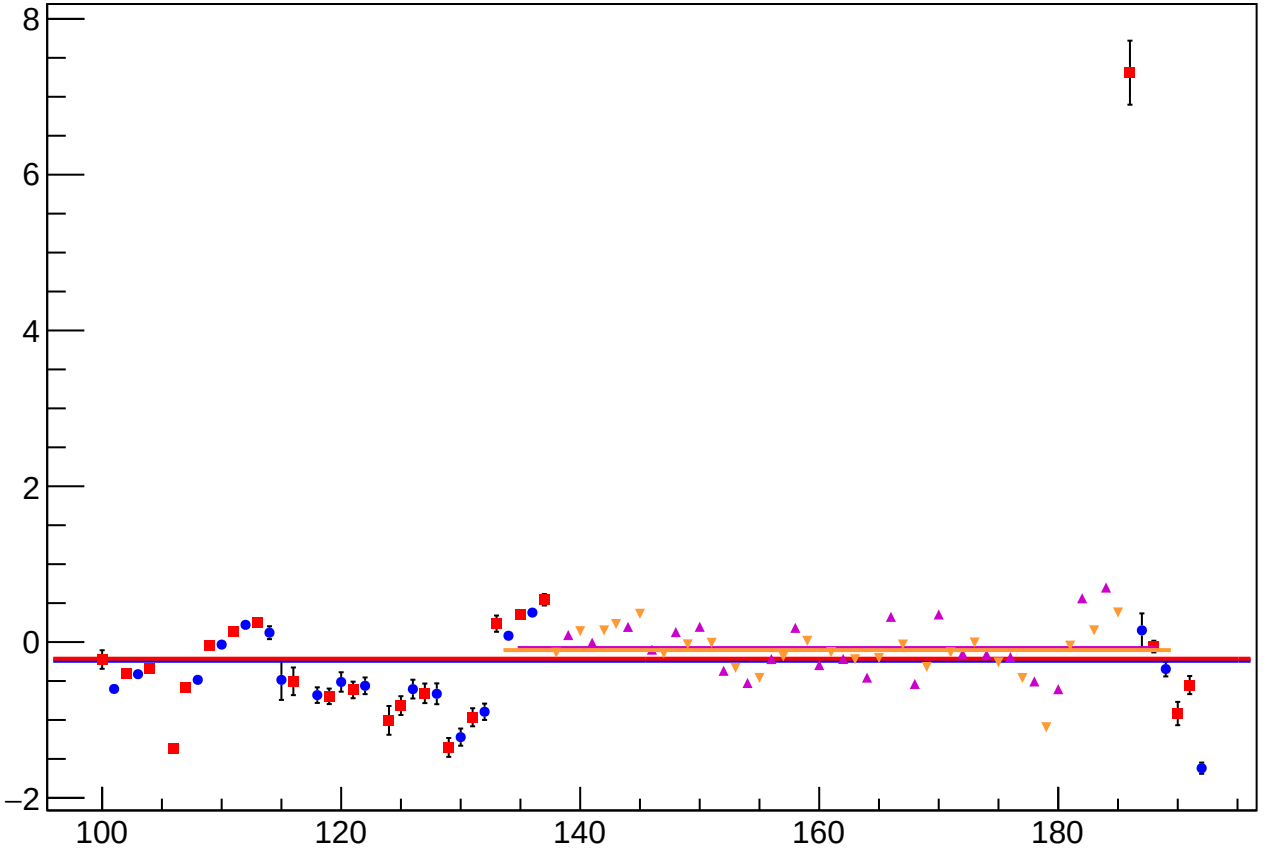
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.572+/-0.112 χ^2/NDF: 28381.8/43

All: 77.749+/-0.080 χ^2/NDF: 56323.7/89

- sign 76.895+/-0.114 χ^2/NDF: 27831.9/45

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



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

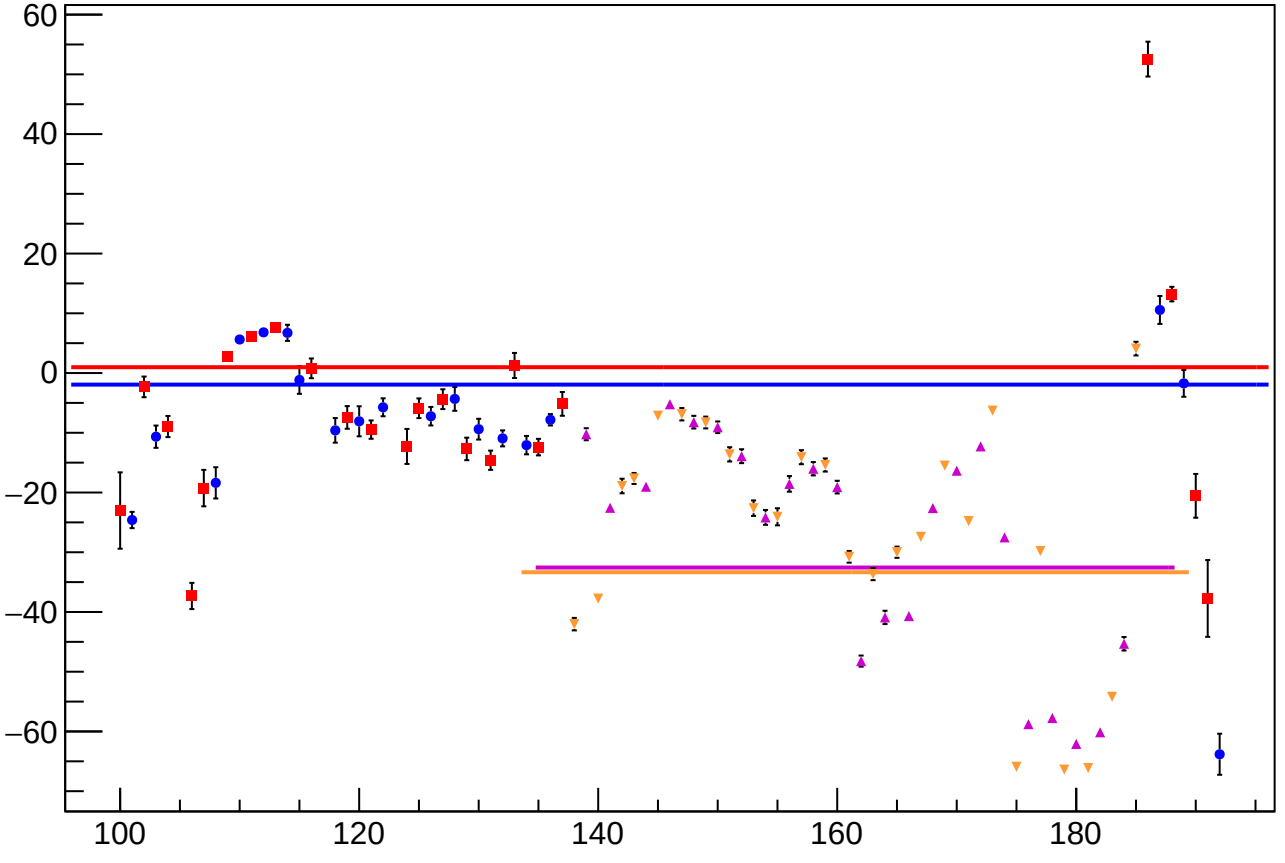
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.124+/-0.005 χ^2/NDF: 3803.7/43

All: -0.113+/-0.004 χ^2/NDF: 8970.6/89

- sign -0.100+/-0.005 χ^2/NDF: 5156.1/45

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



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

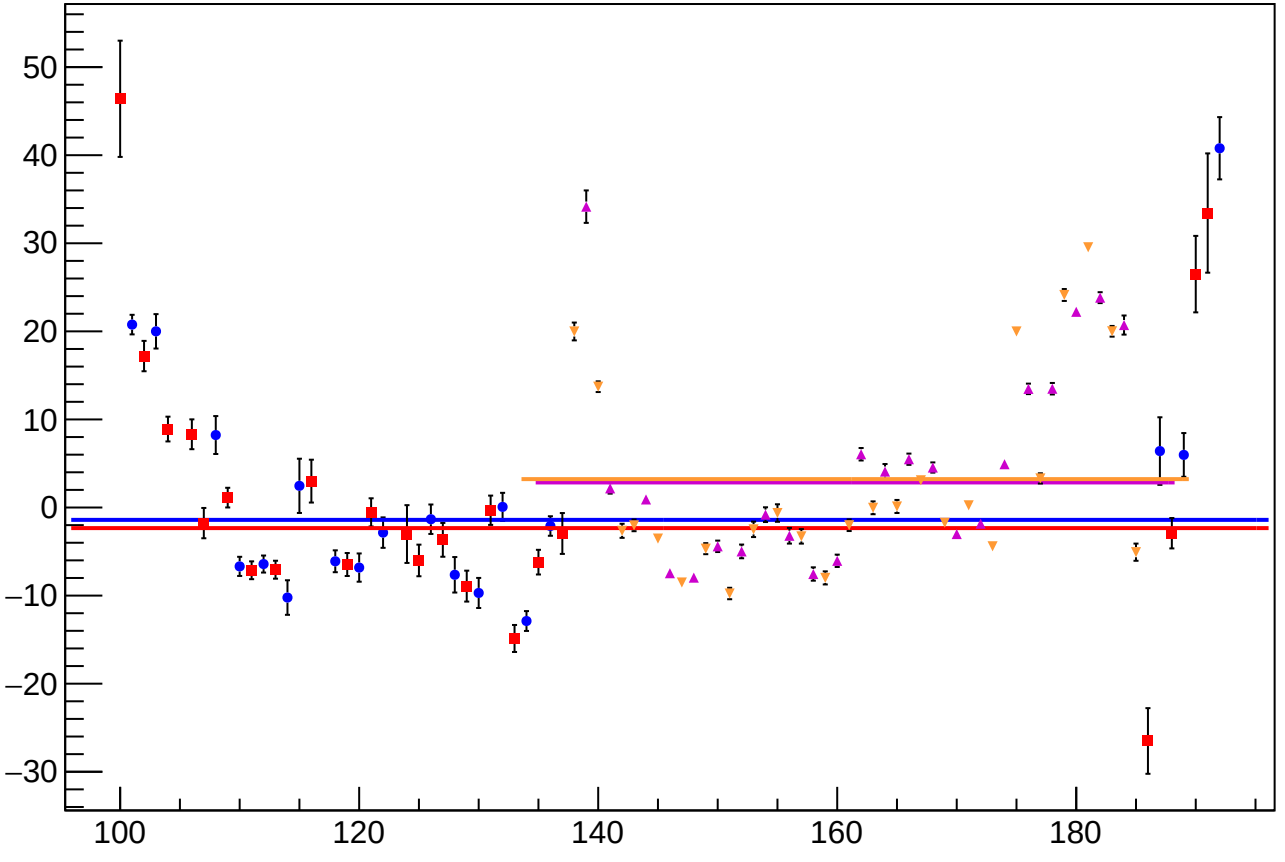
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.133+/-0.144 χ^2/NDF: 27604.4/43

All: -24.663+/-0.102 χ^2/NDF: 54059.1/89

- sign -23.206+/-0.144 χ^2/NDF: 26248.6/45

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



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

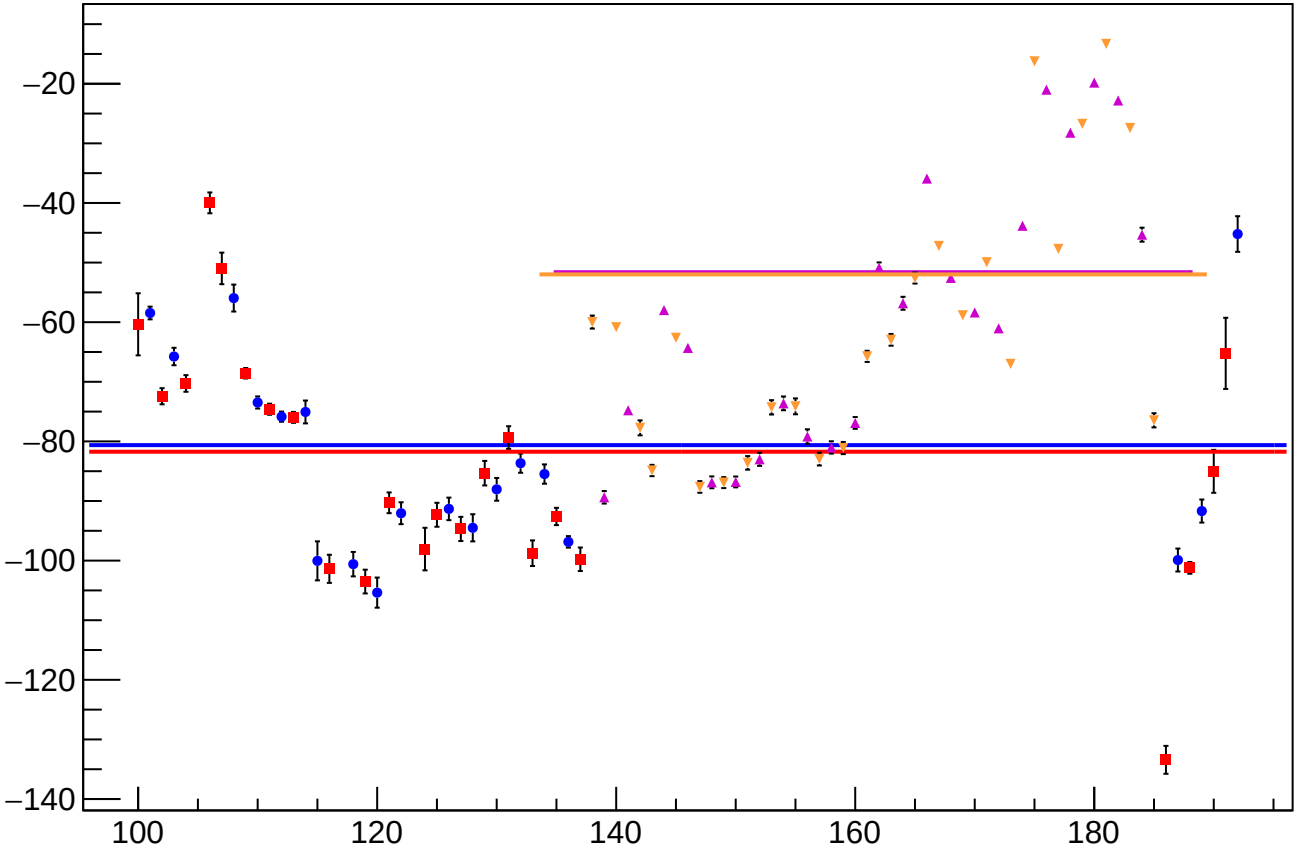
Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.676+/-0.120 χ^2/NDF: 8760.9/43

All: 2.438+/-0.086 χ^2/NDF: 14986.8/89

- sign 2.190+/-0.123 χ^2/NDF: 6217.9/45

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



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

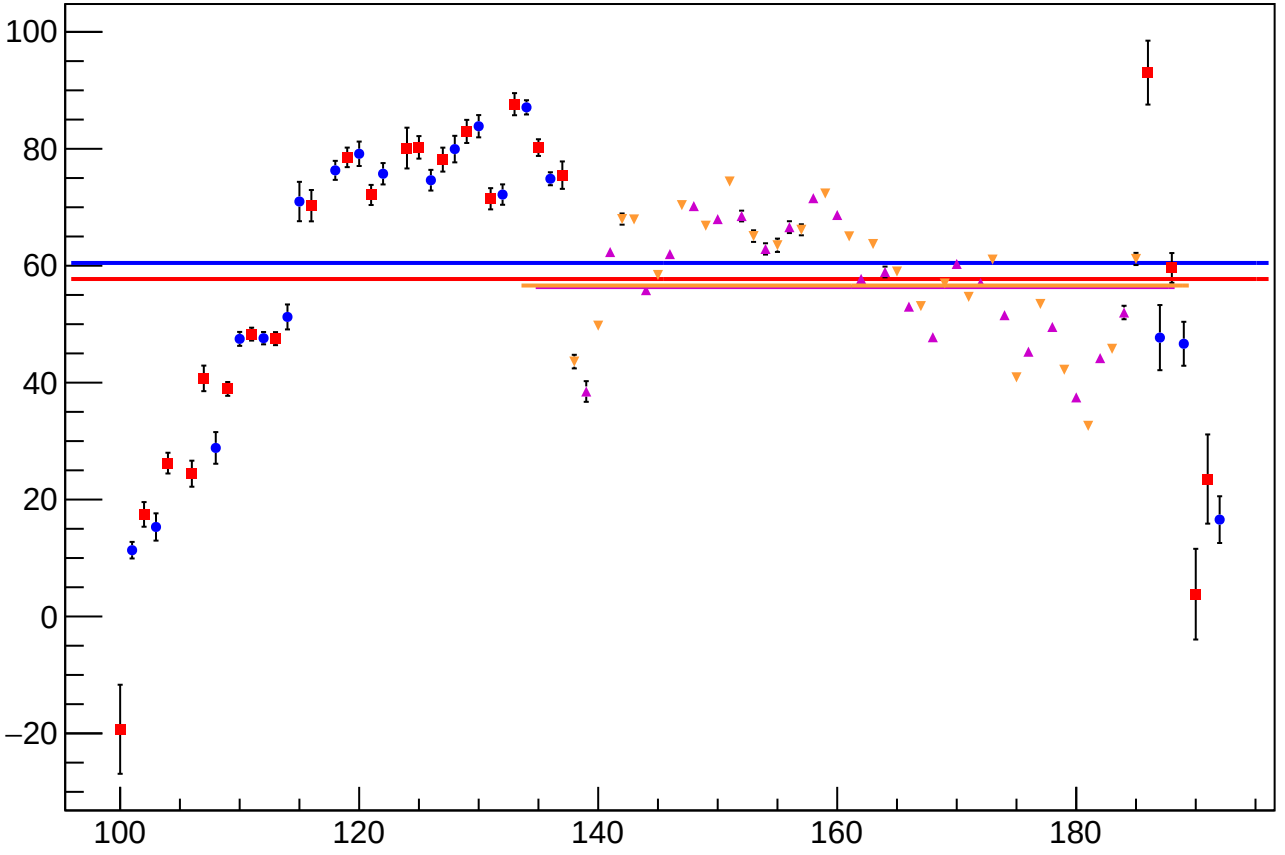
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.189+/-0.149 χ^2/NDF: 28042.0/43

All: -57.567+/-0.106 χ^2/NDF: 54913.7/89

- sign -57.949+/-0.150 χ^2/NDF: 26858.8/45

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



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

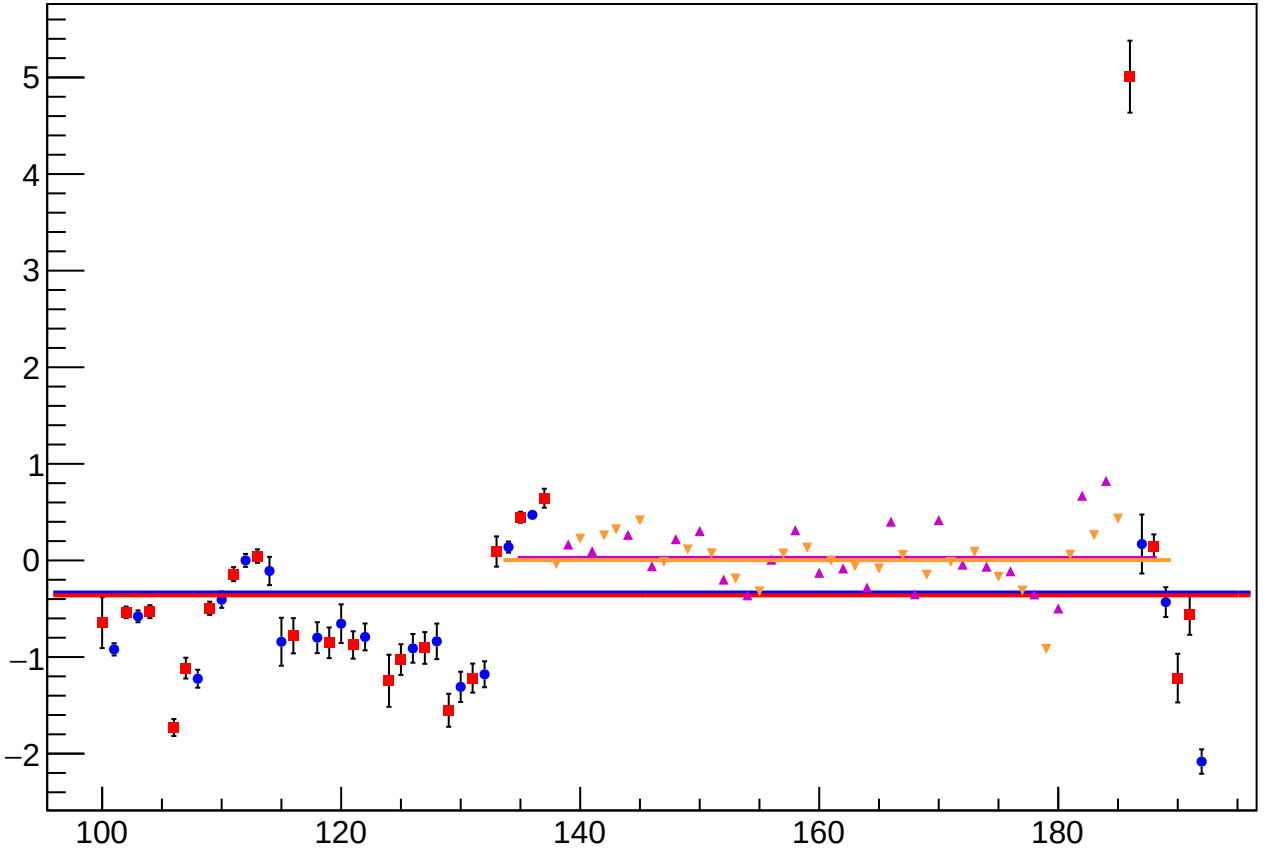
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 57.064+/-0.135 χ^2/NDF: 9121.9/43

All: 56.796+/-0.097 χ^2/NDF: 15995.6/89

- sign 56.518+/-0.138 χ^2/NDF: 6865.8/45

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



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

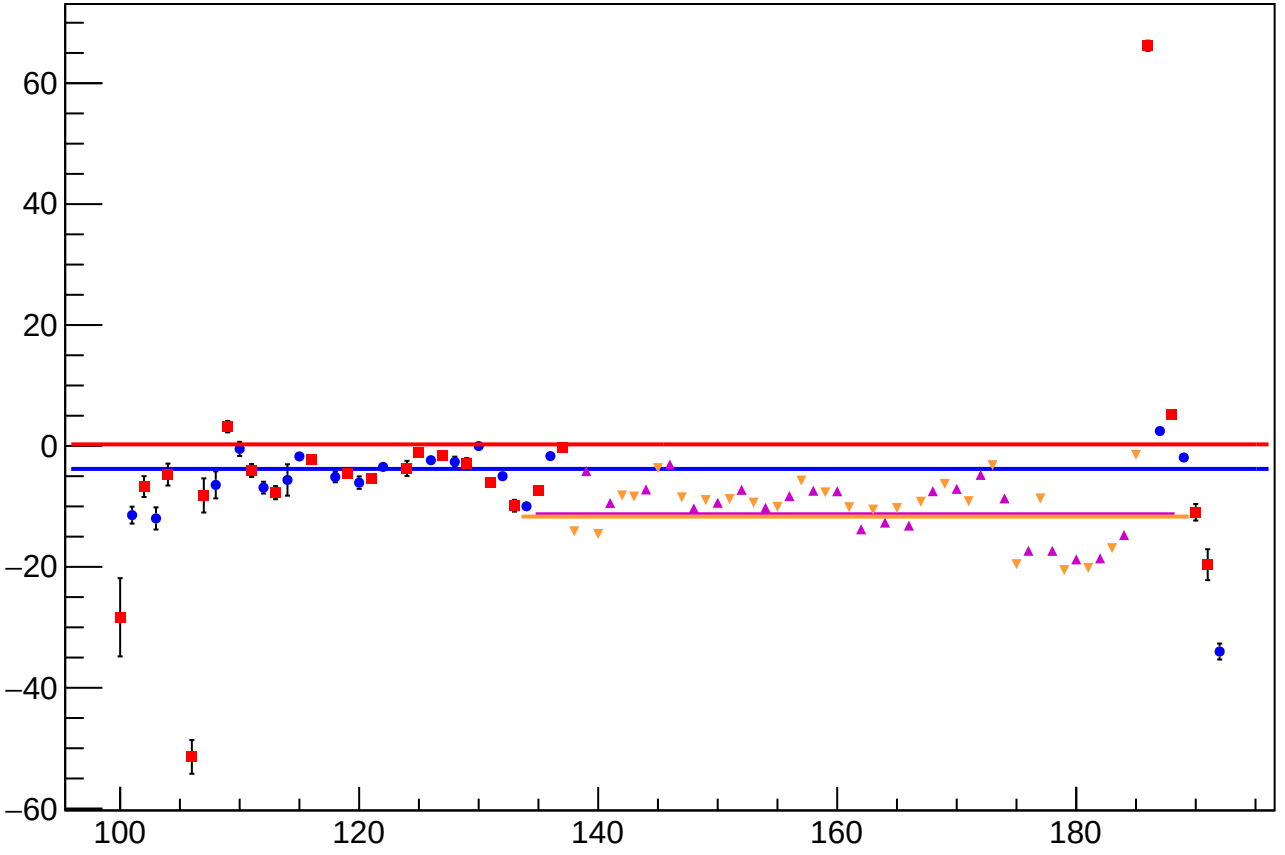
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.025+/-0.006 χ^2/NDF: 2861.2/43

All: -0.017+/-0.004 χ^2/NDF: 6573.0/89

- sign -0.007+/-0.006 χ^2/NDF: 3707.7/45

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



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

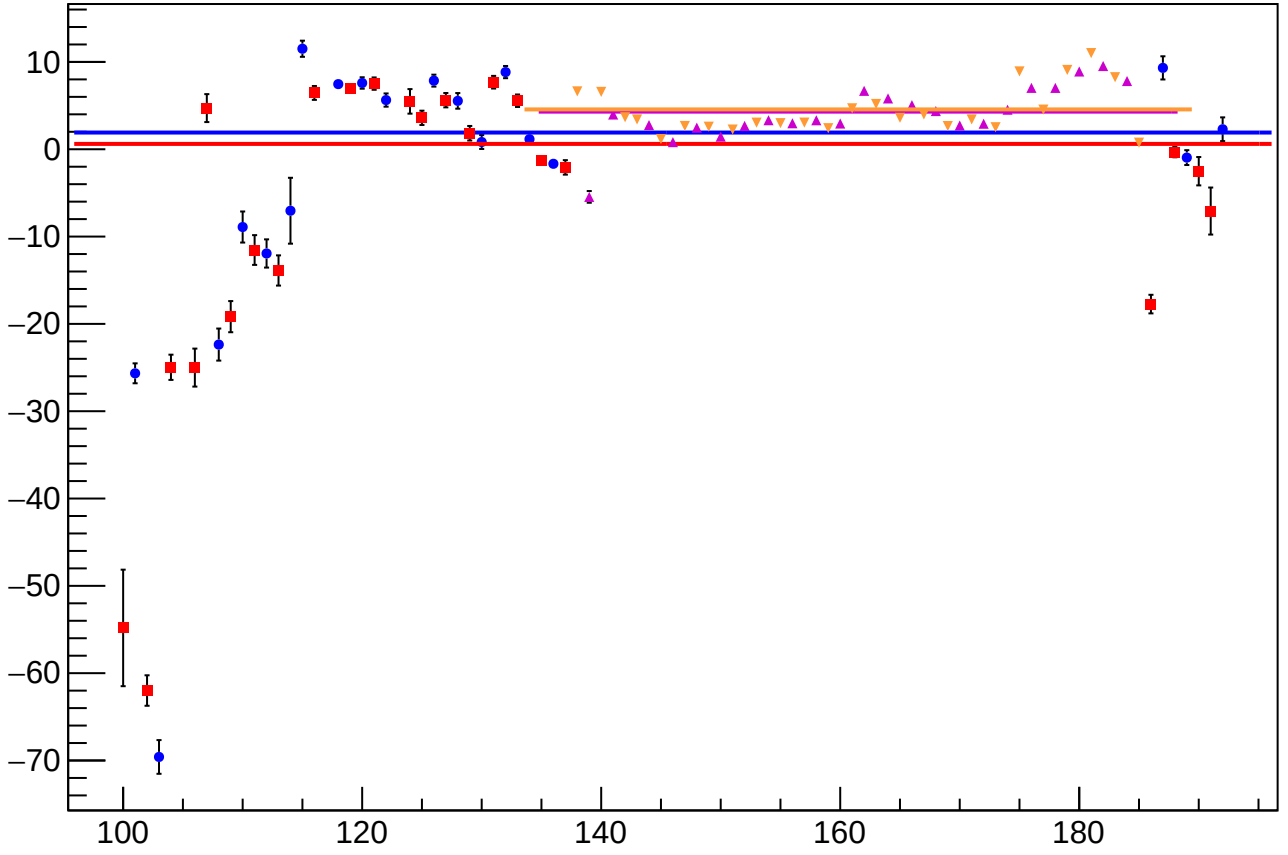
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.042+/-0.050 χ^2/NDF: 15240.7/43

All: -10.676+/-0.036 χ^2/NDF: 35988.6/89

- sign -10.294+/-0.052 χ^2/NDF: 20640.5/45

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



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

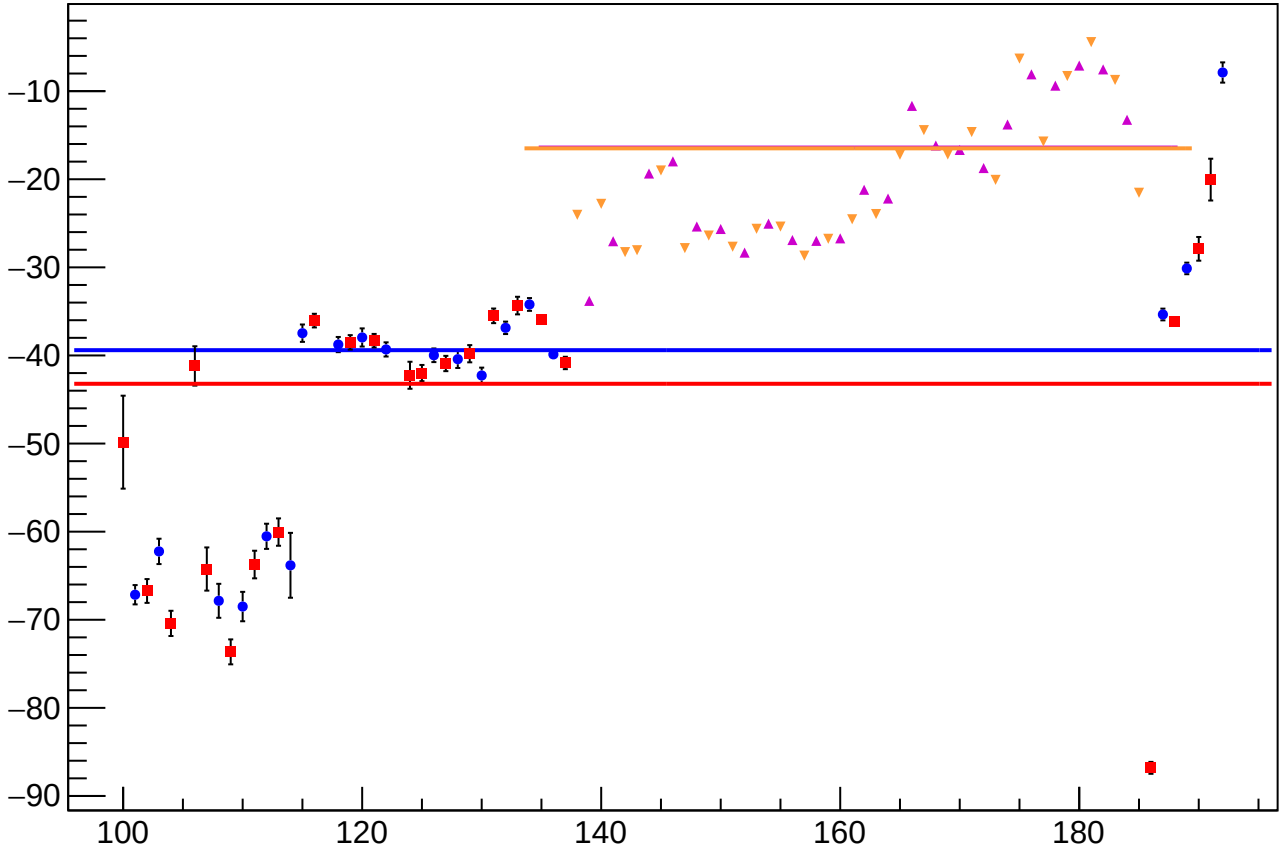
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.432+/-0.040 χ^2/NDF: 7440.5/43

All: 4.288+/-0.029 χ^2/NDF: 14321.3/89

- sign 4.138+/-0.041 χ^2/NDF: 6854.6/45

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



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

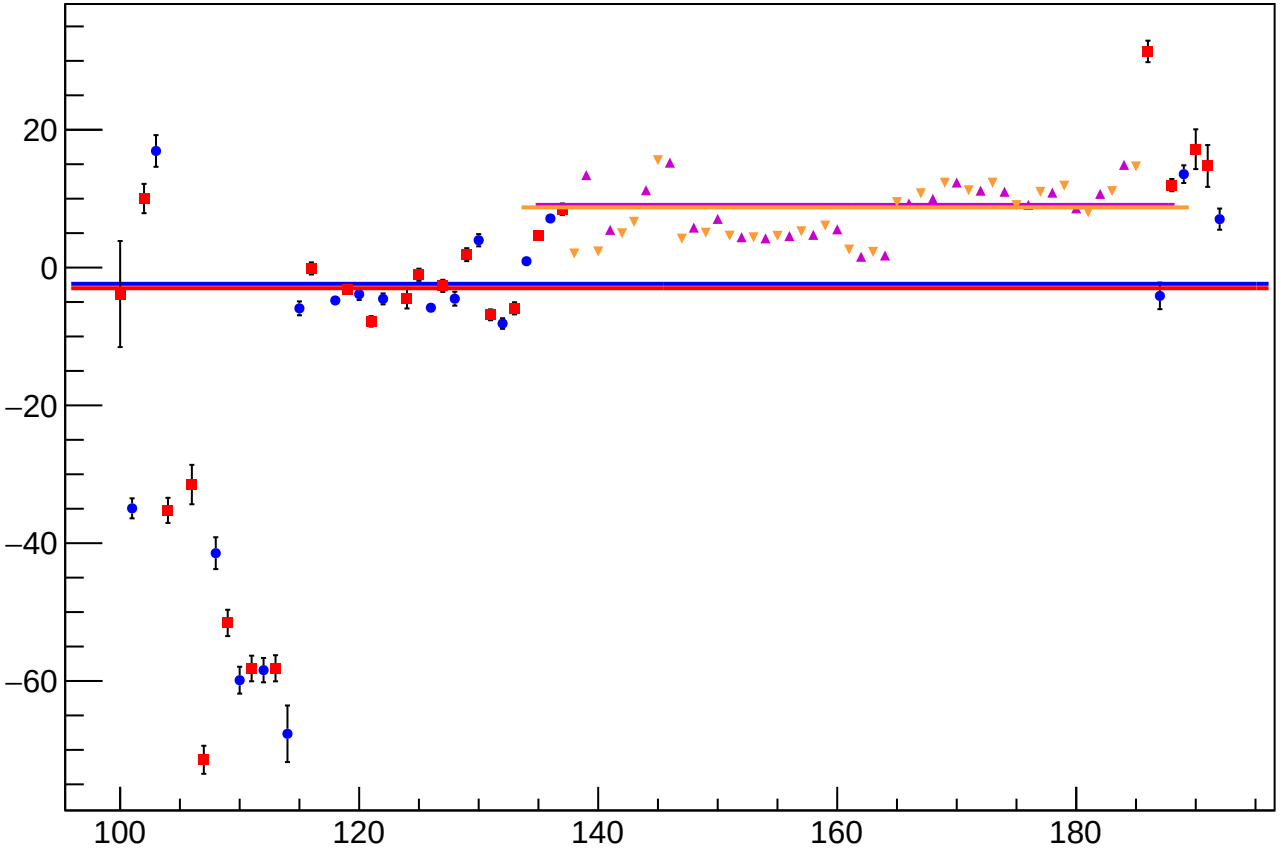
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.179+/-0.051 χ^2/NDF: 38603.4/43

All: -18.382+/-0.036 χ^2/NDF: 83679.3/89

- sign -18.592+/-0.052 χ^2/NDF: 45043.4/45

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



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

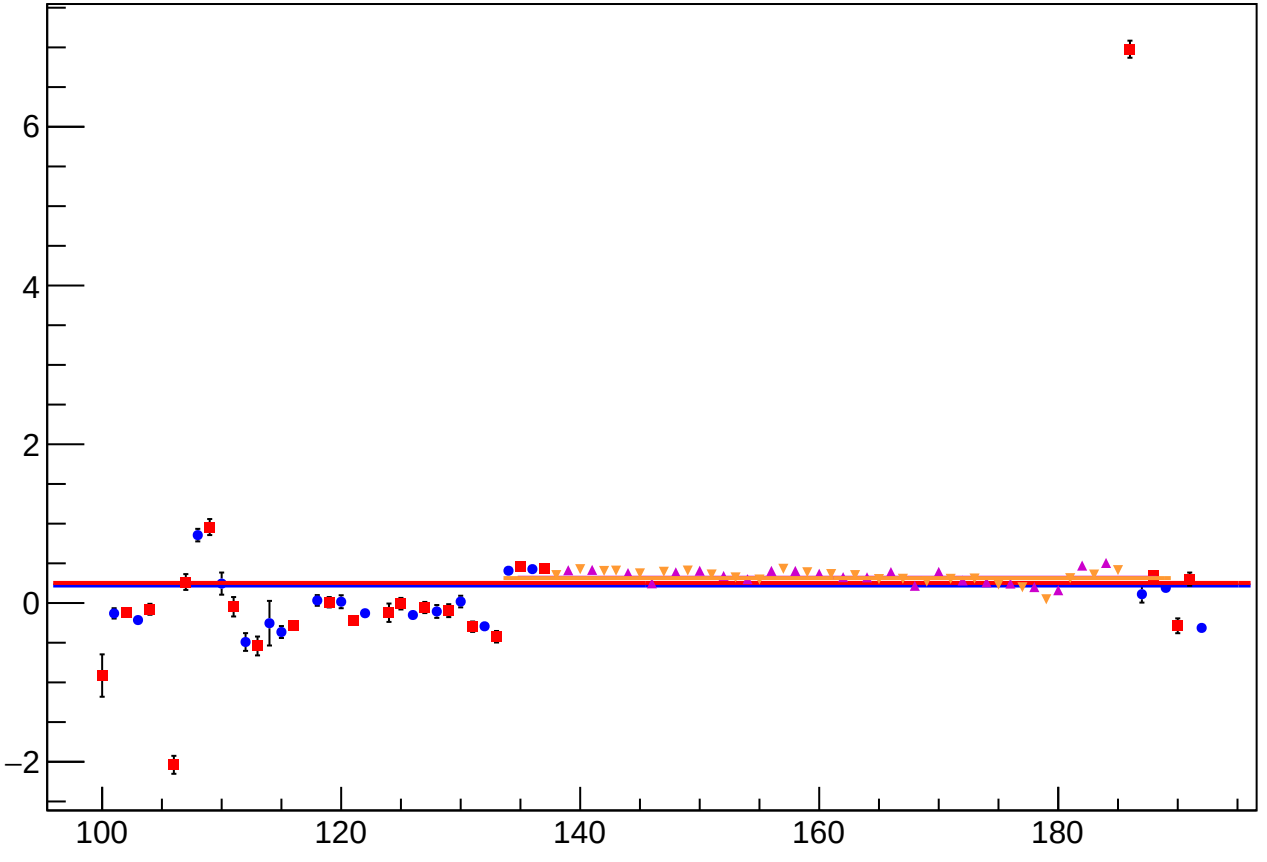
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.193+/-0.045 χ^2/NDF: 13615.0/43

All: 8.377+/-0.032 χ^2/NDF: 27568.7/89

- sign 8.570+/-0.046 χ^2/NDF: 13919.6/45

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



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

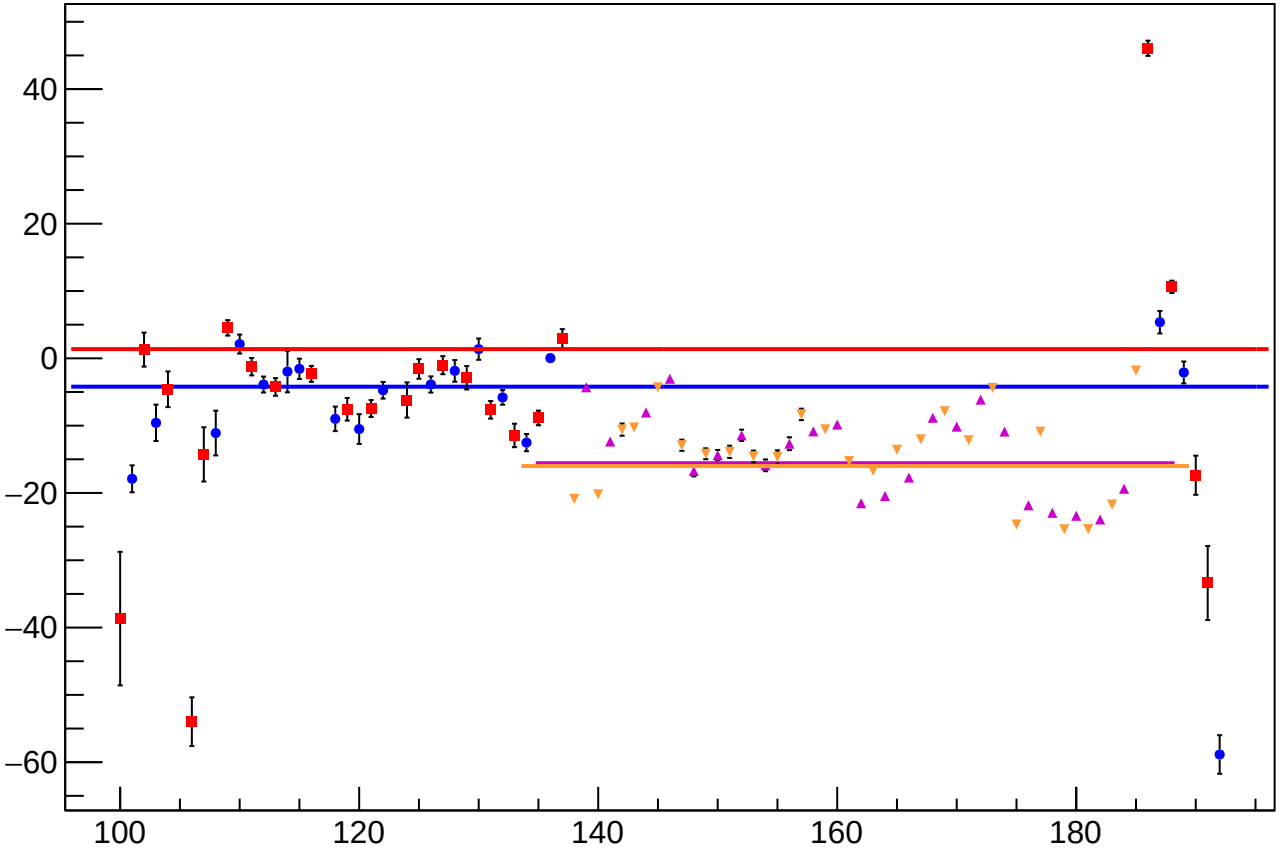
Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.311+/-0.002 χ^2/NDF: 2433.8/43

All: 0.314+/-0.001 χ^2/NDF: 9275.8/89

- sign 0.317+/-0.002 χ^2/NDF: 6837.6/45

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



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

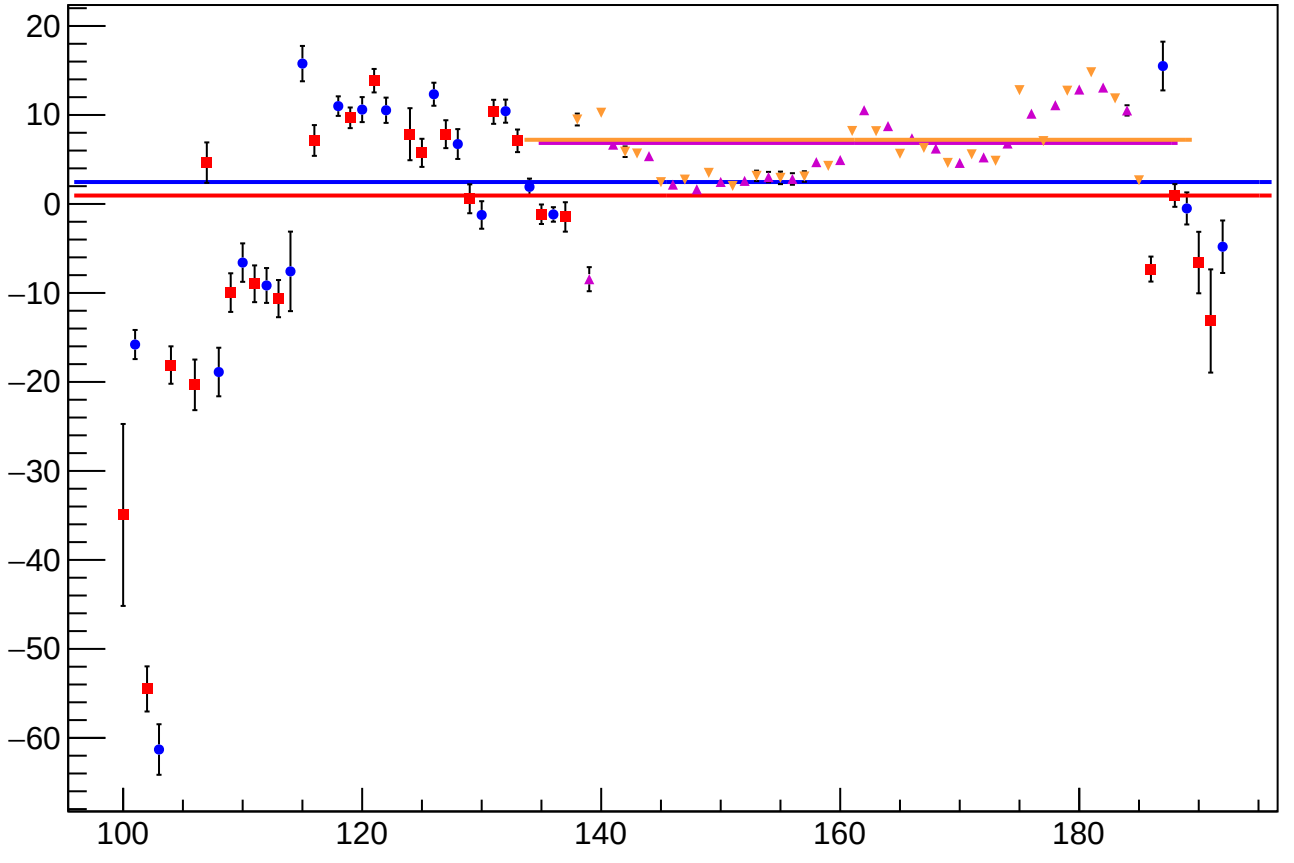
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.018+/-0.095 χ^2/NDF: 7722.5/43

All: -14.511+/-0.068 χ^2/NDF: 17499.1/89

- sign -13.984+/-0.097 χ^2/NDF: 9718.8/45

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



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

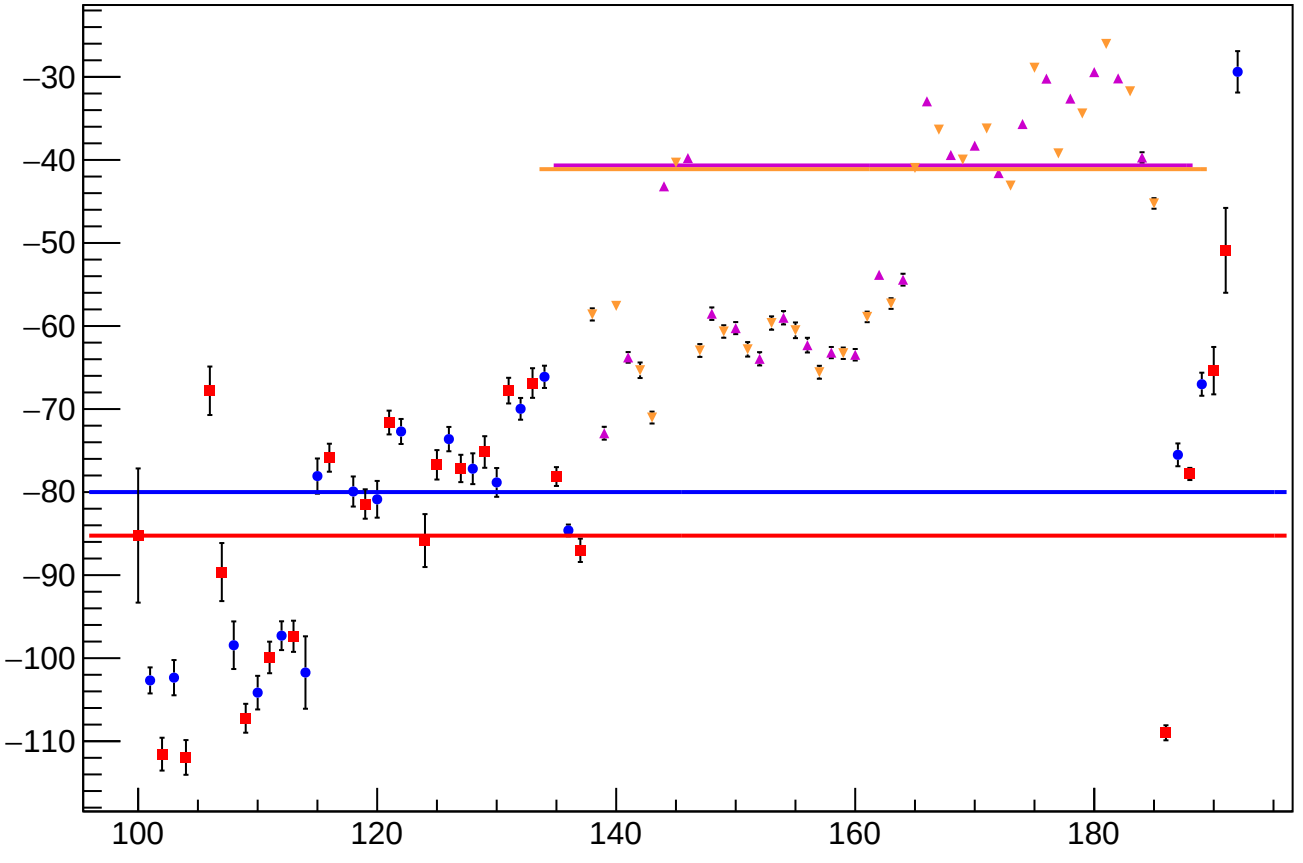
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.969+/-0.078 χ^2/NDF: 3714.1/43

All: 6.769+/-0.056 χ^2/NDF: 7179.9/89

- sign 6.563+/-0.079 χ^2/NDF: 3452.4/45

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



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

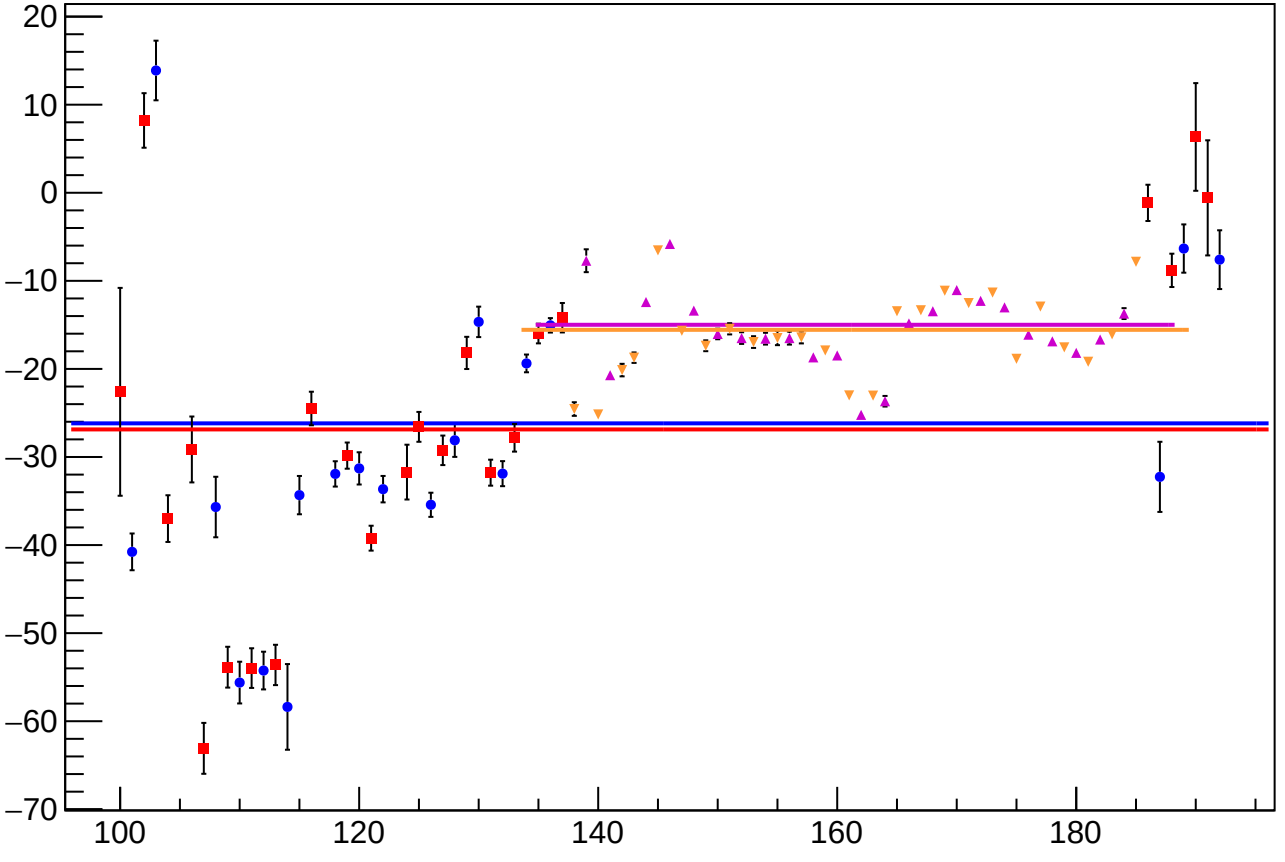
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -43.984+/-0.096 χ^2/NDF: 28565.9/43

All: -44.252+/-0.069 χ^2/NDF: 60600.6/89

- sign -44.527+/-0.098 χ^2/NDF: 32019.0/45

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



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

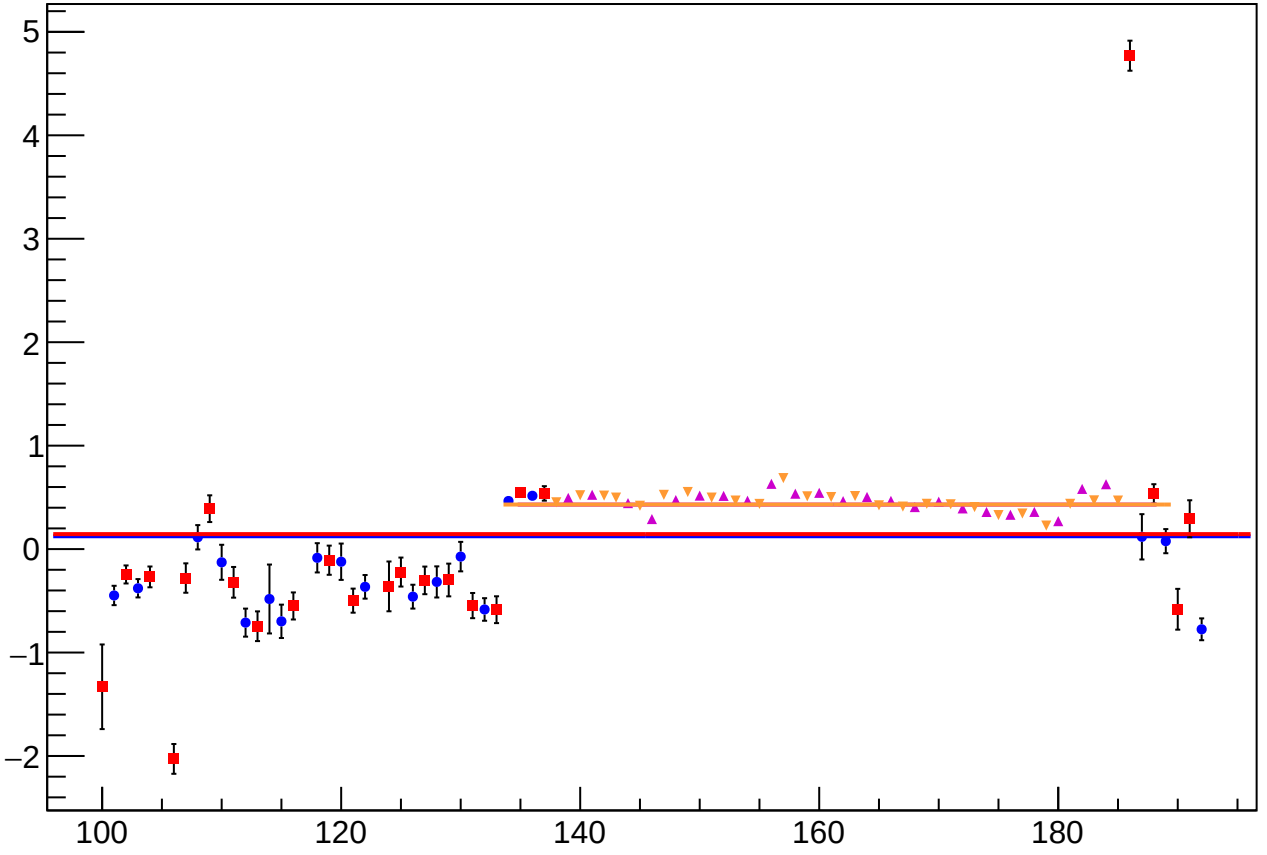
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.094+/-0.087 χ^2/NDF: 4316.3/43

All: -15.822+/-0.062 χ^2/NDF: 8571.1/89

- sign -15.539+/-0.088 χ^2/NDF: 4234.6/45

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



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

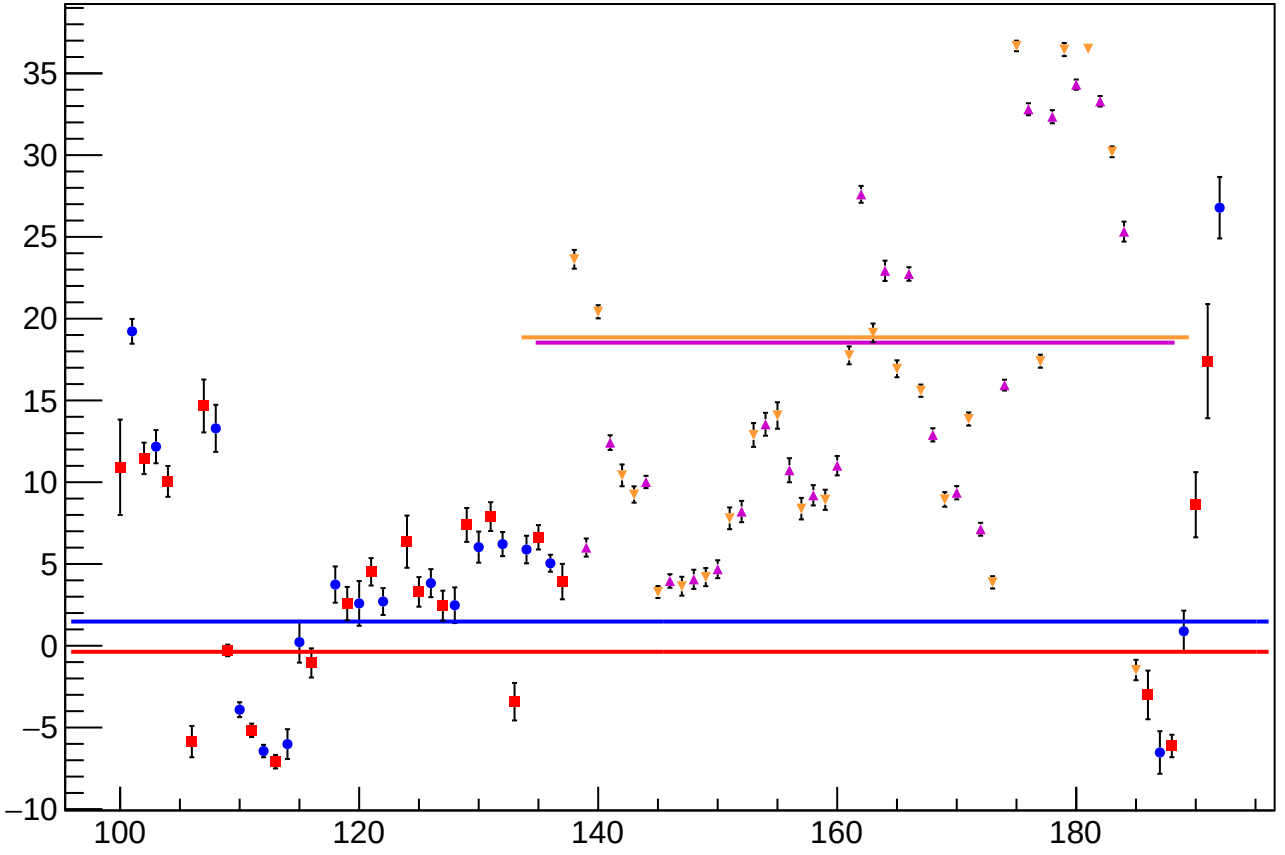
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.420+/-0.004 χ^2/NDF: 1131.3/43

All: 0.421+/-0.003 χ^2/NDF: 3519.9/89

- sign 0.421+/-0.004 χ^2/NDF: 2388.6/45

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.481+/-0.179 χ^2/NDF: 1741.3/18

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

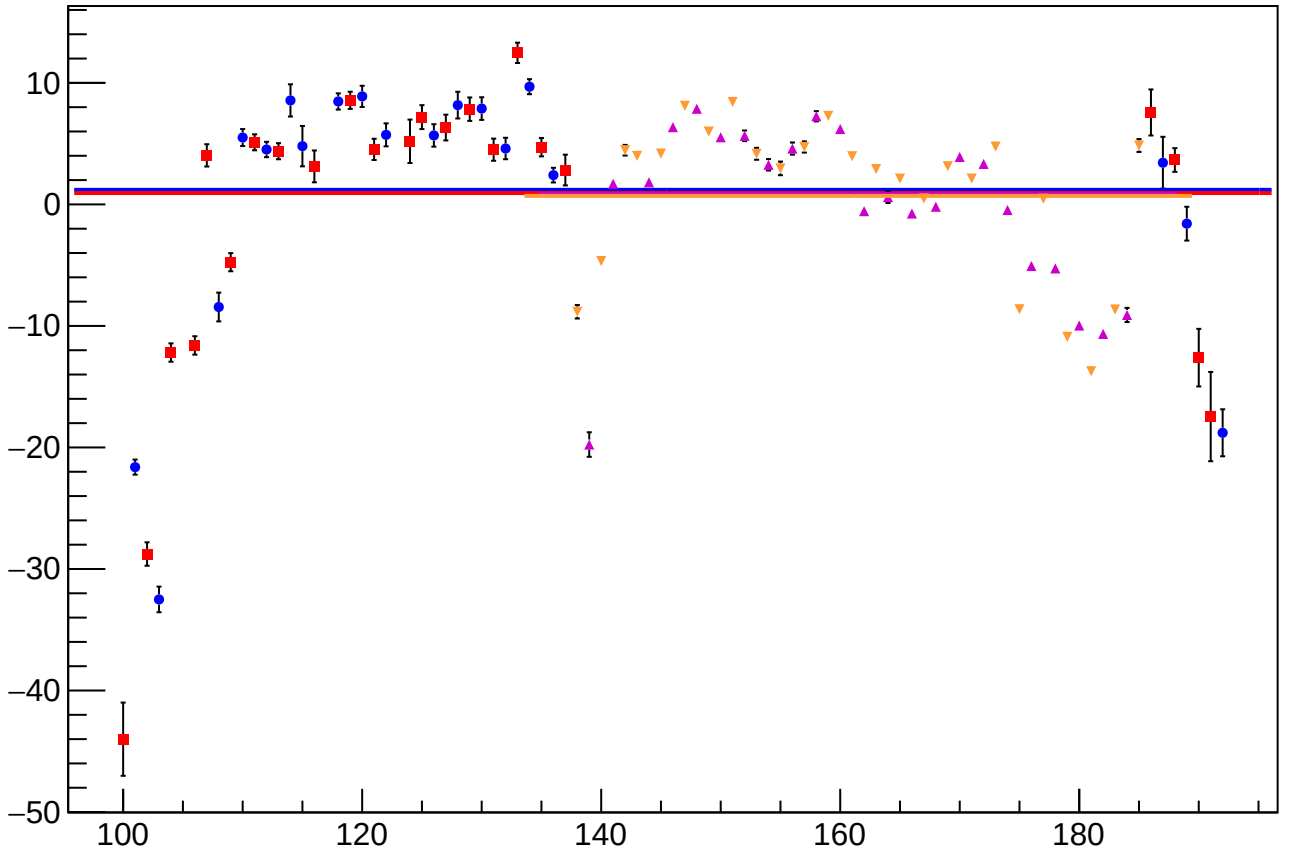
Right Out: -0.368+/-0.161 χ^2/NDF: 1269.3/22

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.315+/-0.081 χ^2/NDF: 27647.3/43

All: 14.551+/-0.057 χ^2/NDF: 53486.3/89

- sign 13.788+/-0.081 χ^2/NDF: 25659.7/45



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

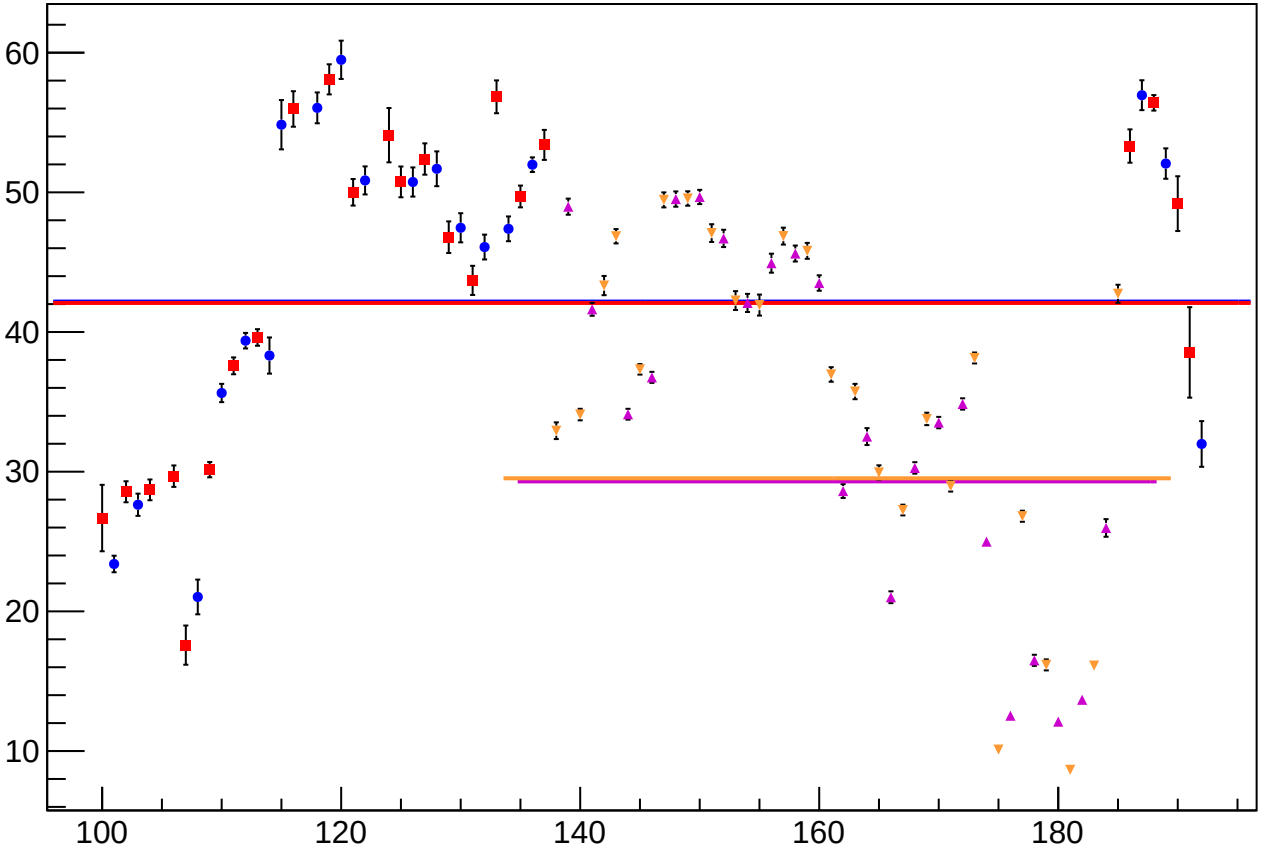
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.757+/-0.067 χ^2/NDF: 11437.2/43

All: 0.806+/-0.048 χ^2/NDF: 19938.7/89

- sign 0.857+/-0.068 χ^2/NDF: 8500.4/45

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



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

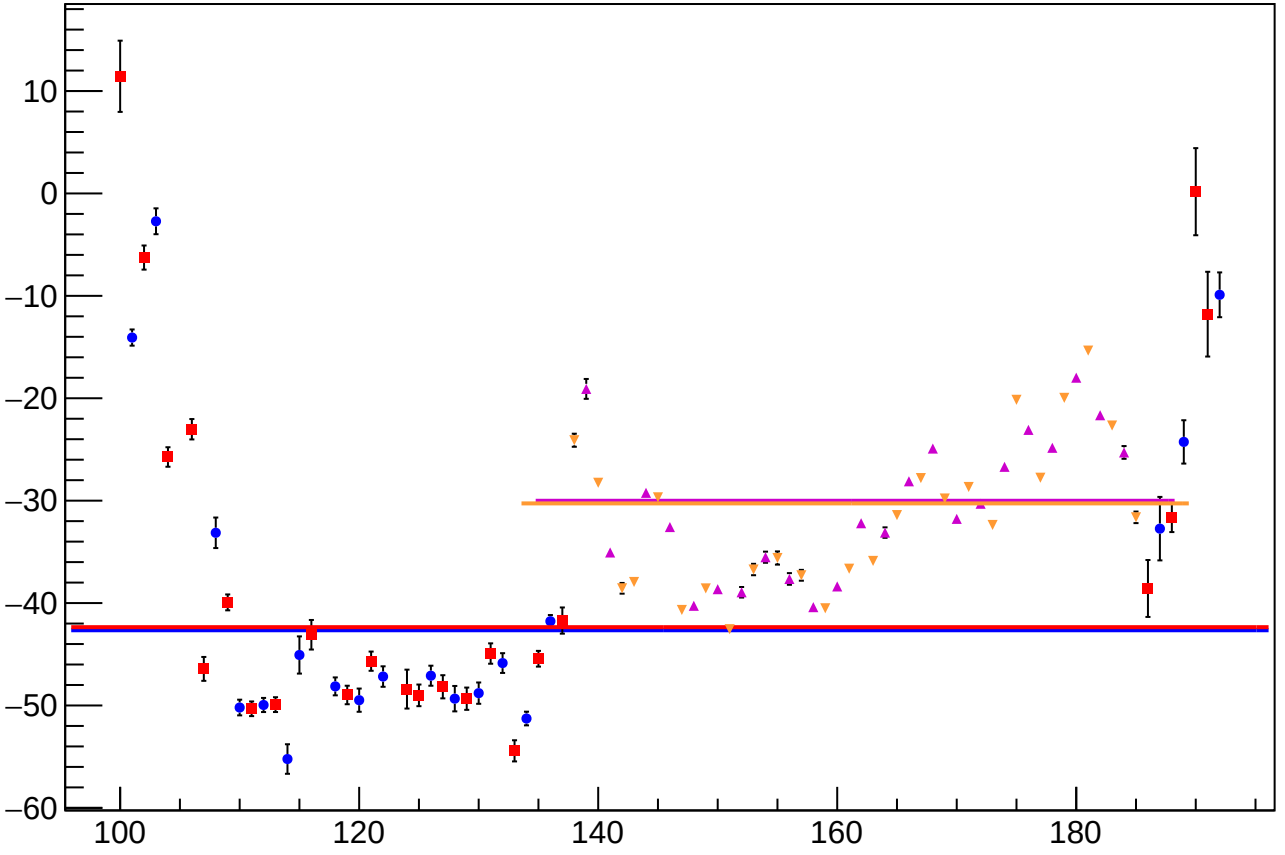
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.653+/-0.083 χ^2/NDF: 27435.8/43

All: 31.747+/-0.059 χ^2/NDF: 52599.3/89

- sign 31.843+/-0.083 χ^2/NDF: 25160.9/45

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



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

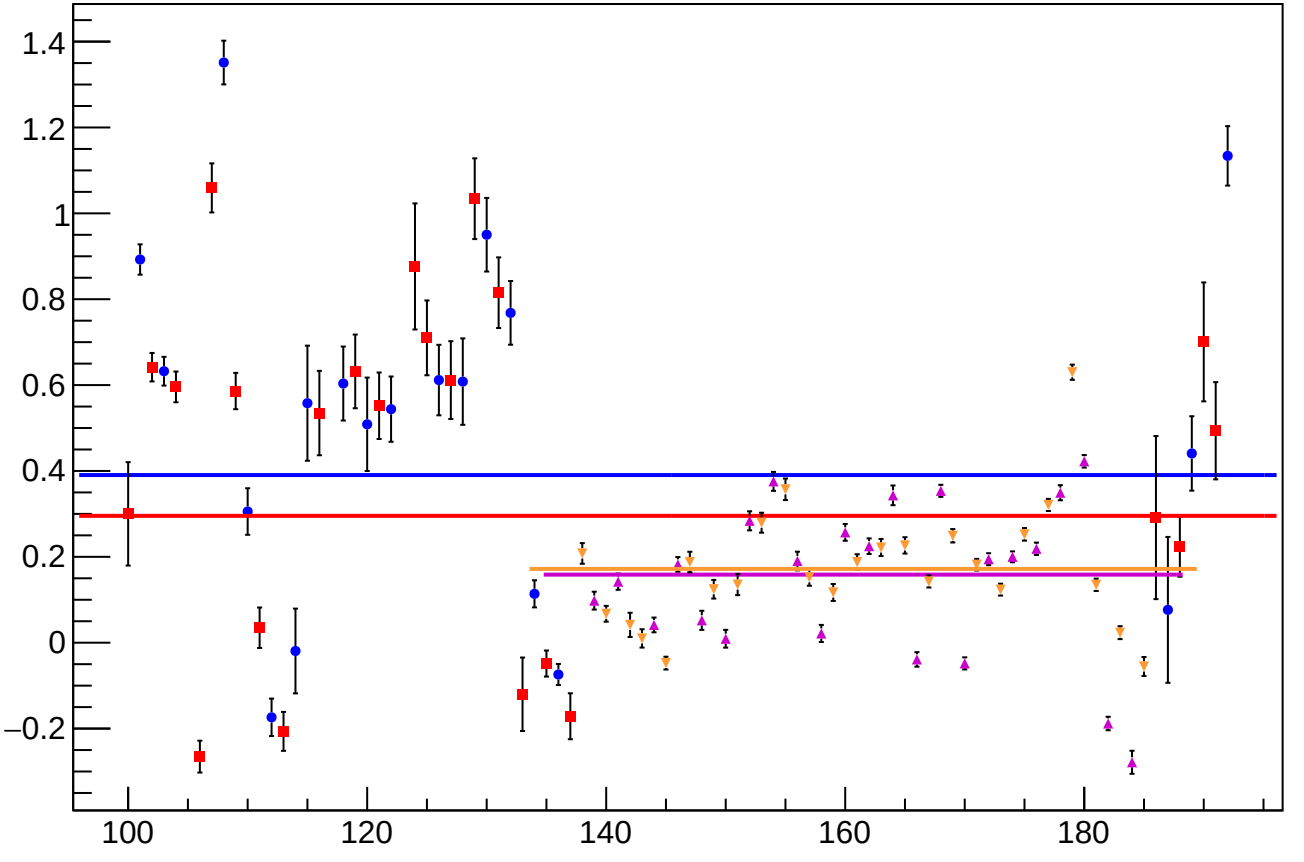
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.623+/-0.075 χ^2/NDF: 14474.5/43

All: -31.533+/-0.053 χ^2/NDF: 25897.1/89

- sign -31.440+/-0.076 χ^2/NDF: 11419.7/45

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



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

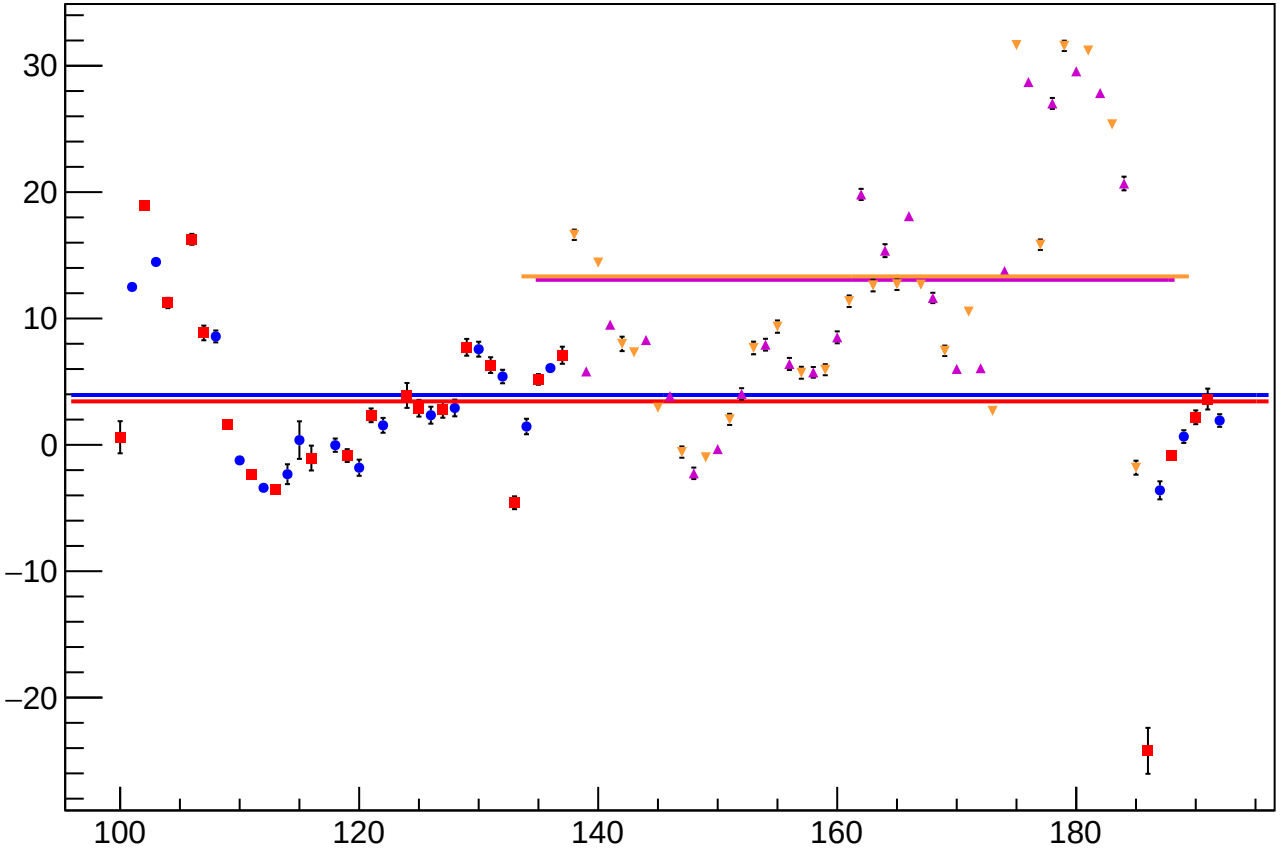
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

\+ sign 0.190+/-0.003 χ^2/NDF: 3255.7/43

All: 0.180+/-0.002 χ^2/NDF: 6794.1/89

\- sign 0.170+/-0.003 χ^2/NDF: 3522.4/45

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.944+/-0.110 χ^2/NDF: 2810.4/18

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 3.440+/-0.098 χ^2/NDF: 4787.2/22

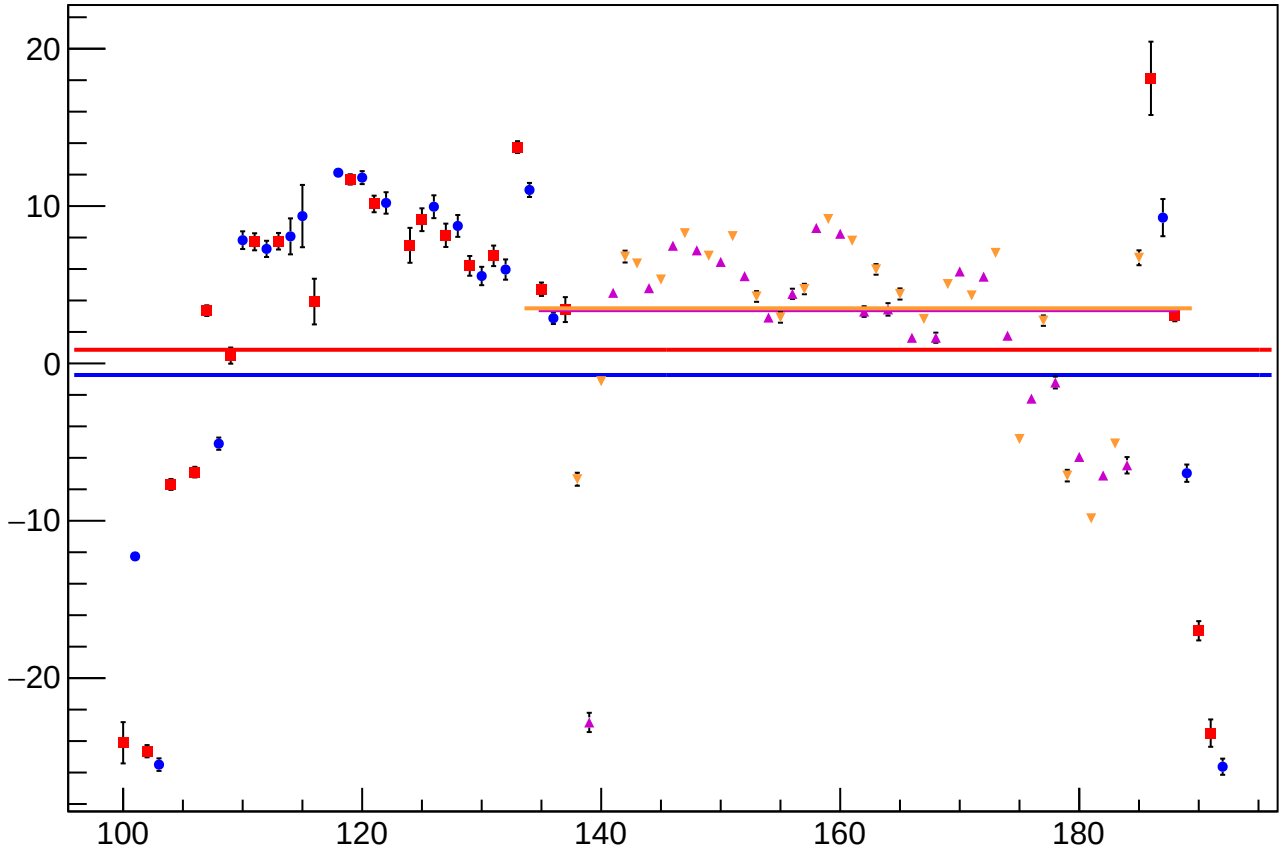
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 10.247+/-0.063 χ^2/NDF: 27154.6/43

All: 9.740+/-0.044 χ^2/NDF: 53452.0/89

- sign 9.253+/-0.062 χ^2/NDF: 26170.1/45

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



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

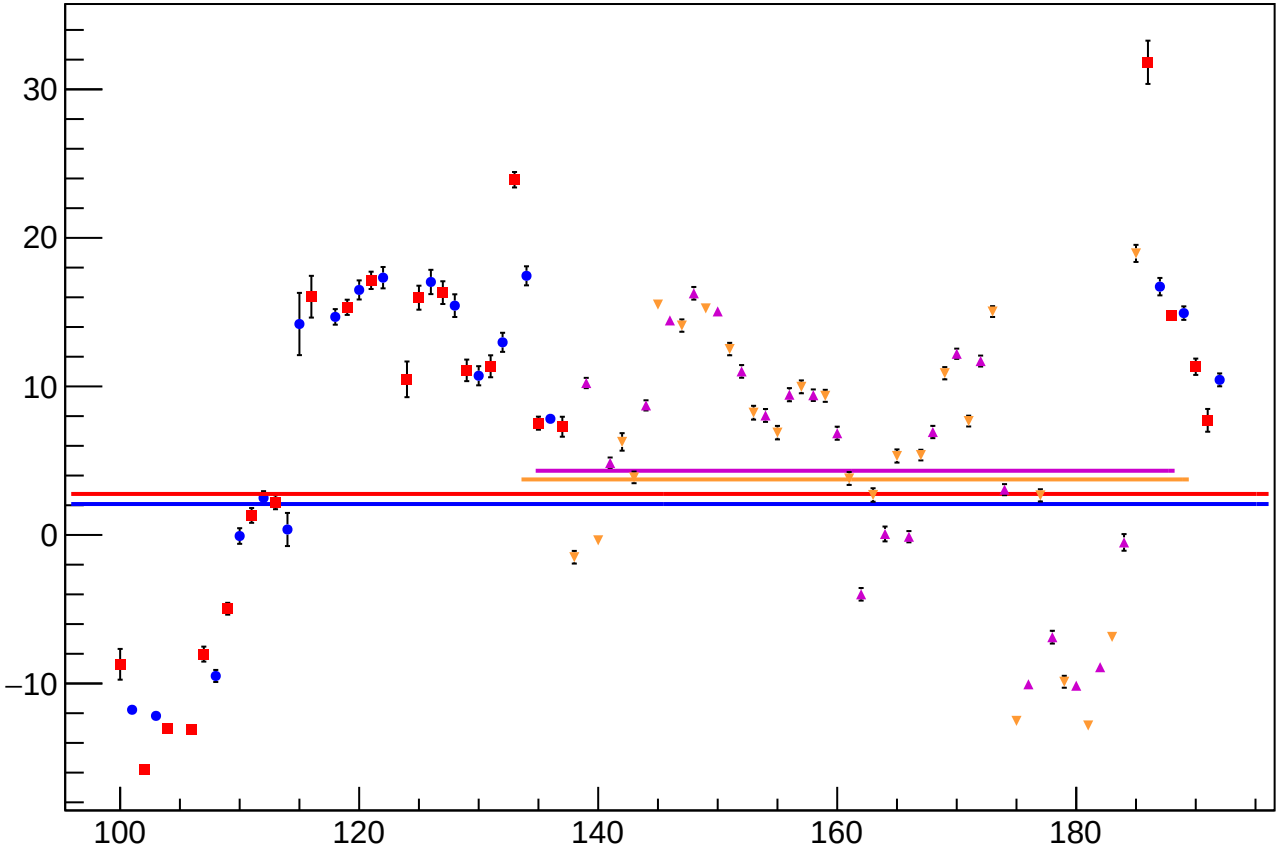
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 2.570+/-0.052 χ^2/NDF: 22226.4/43

All: 2.654+/-0.037 χ^2/NDF: 40401.5/89

- sign 2.742+/-0.053 χ^2/NDF: 18169.6/45

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



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

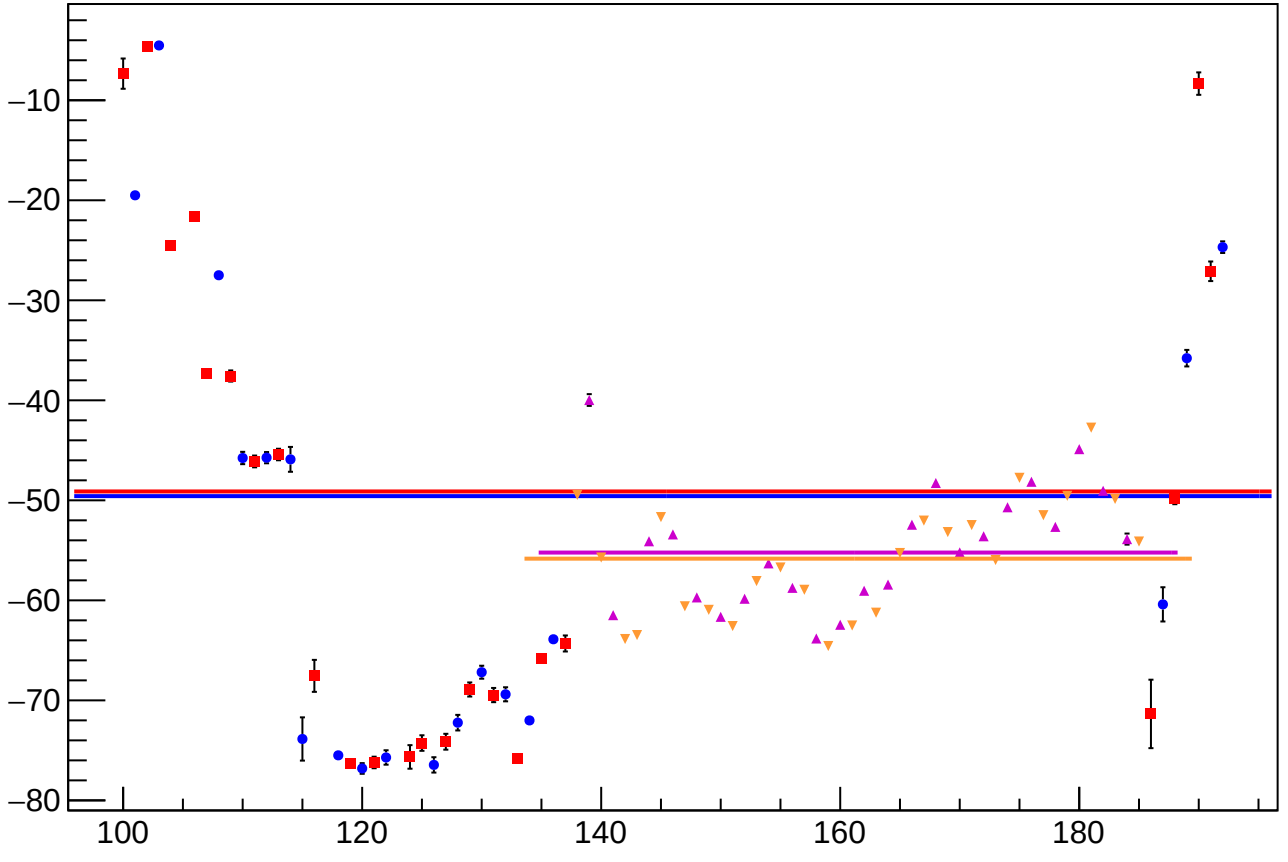
Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 3.197+/-0.063 χ^2/NDF: 27119.7/43

All: 3.460+/-0.044 χ^2/NDF: 57259.5/89

- sign 3.713+/-0.061 χ^2/NDF: 30105.2/45

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -49.580+/-0.130 χ^2/NDF: 36072.7/18

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

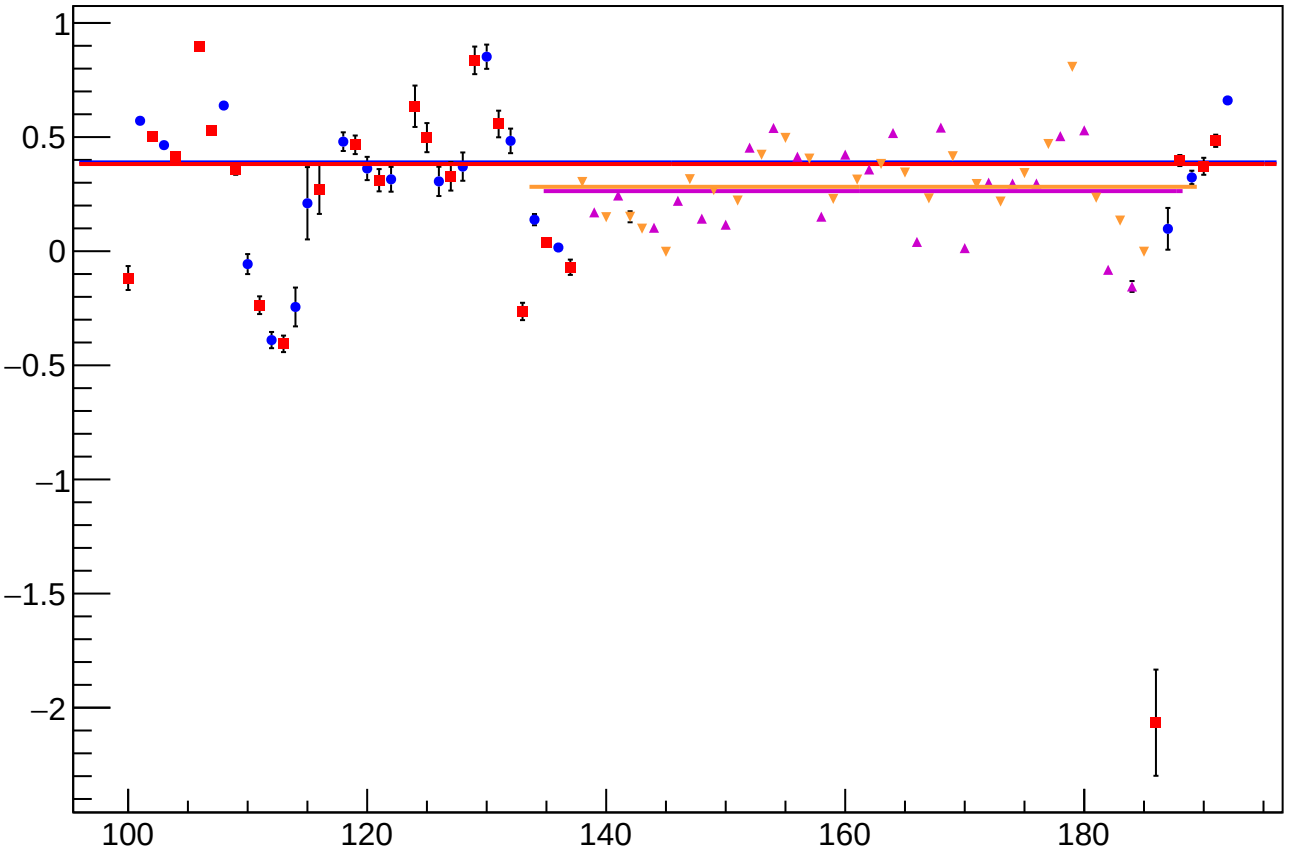
Right Out: -49.112+/-0.125 χ^2/NDF: 35807.1/22

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -54.543+/-0.059 χ^2/NDF: 45496.2/43

All: -54.182+/-0.042 χ^2/NDF: 89553.2/89

- sign -53.808+/-0.060 χ^2/NDF: 43981.1/45



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

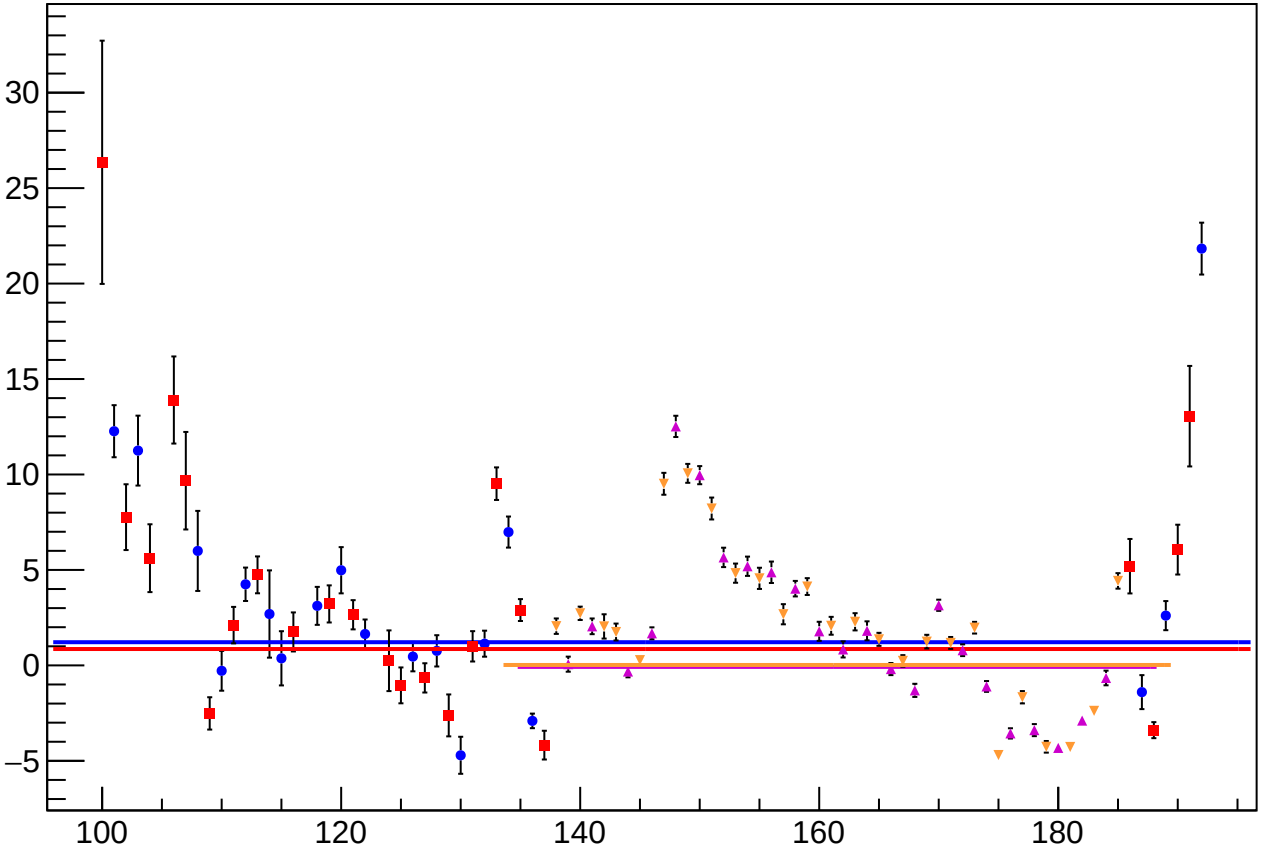
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.304+/-0.003 χ^2/NDF: 5088.9/43

All: 0.297+/-0.002 χ^2/NDF: 12192.5/89

- sign 0.289+/-0.003 χ^2/NDF: 7088.5/45

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



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

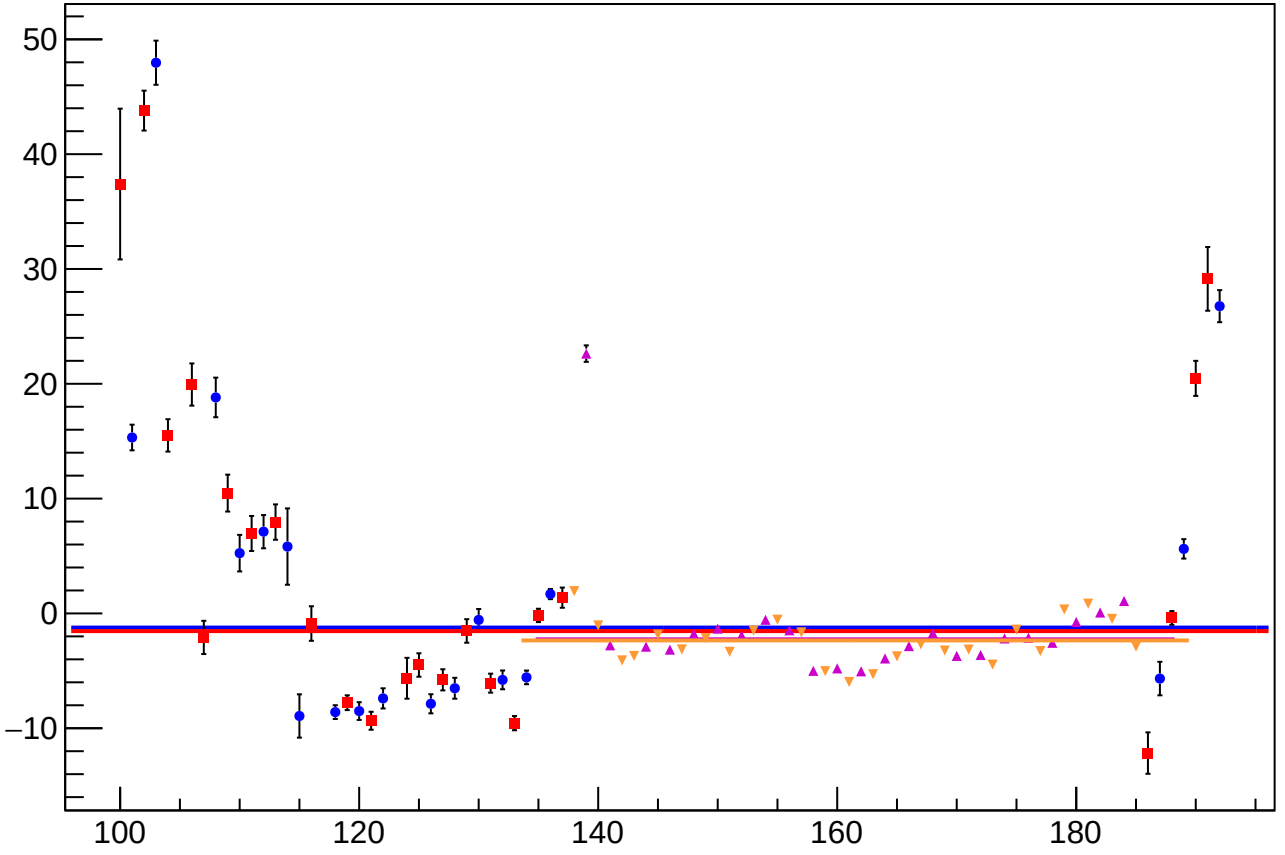
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.150+/-0.065 χ^2/NDF: 3368.9/43

All: 0.093+/-0.046 χ^2/NDF: 6313.7/89

- sign 0.032+/-0.066 χ^2/NDF: 2943.1/45

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



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

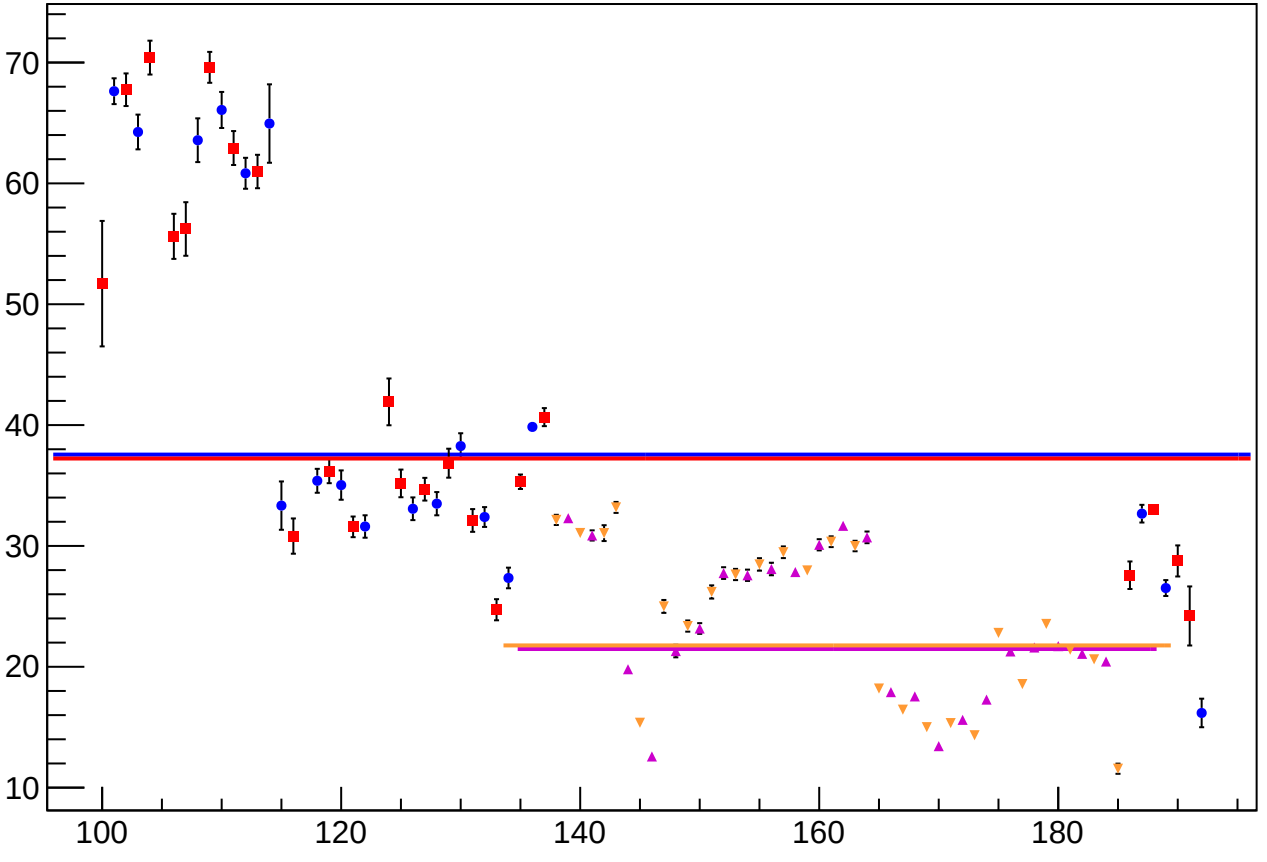
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -2.276+/-0.053 χ^2/NDF: 3224.6/43

All: -2.243+/-0.038 χ^2/NDF: 7047.1/89

- sign -2.208+/-0.054 χ^2/NDF: 3821.7/45

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



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

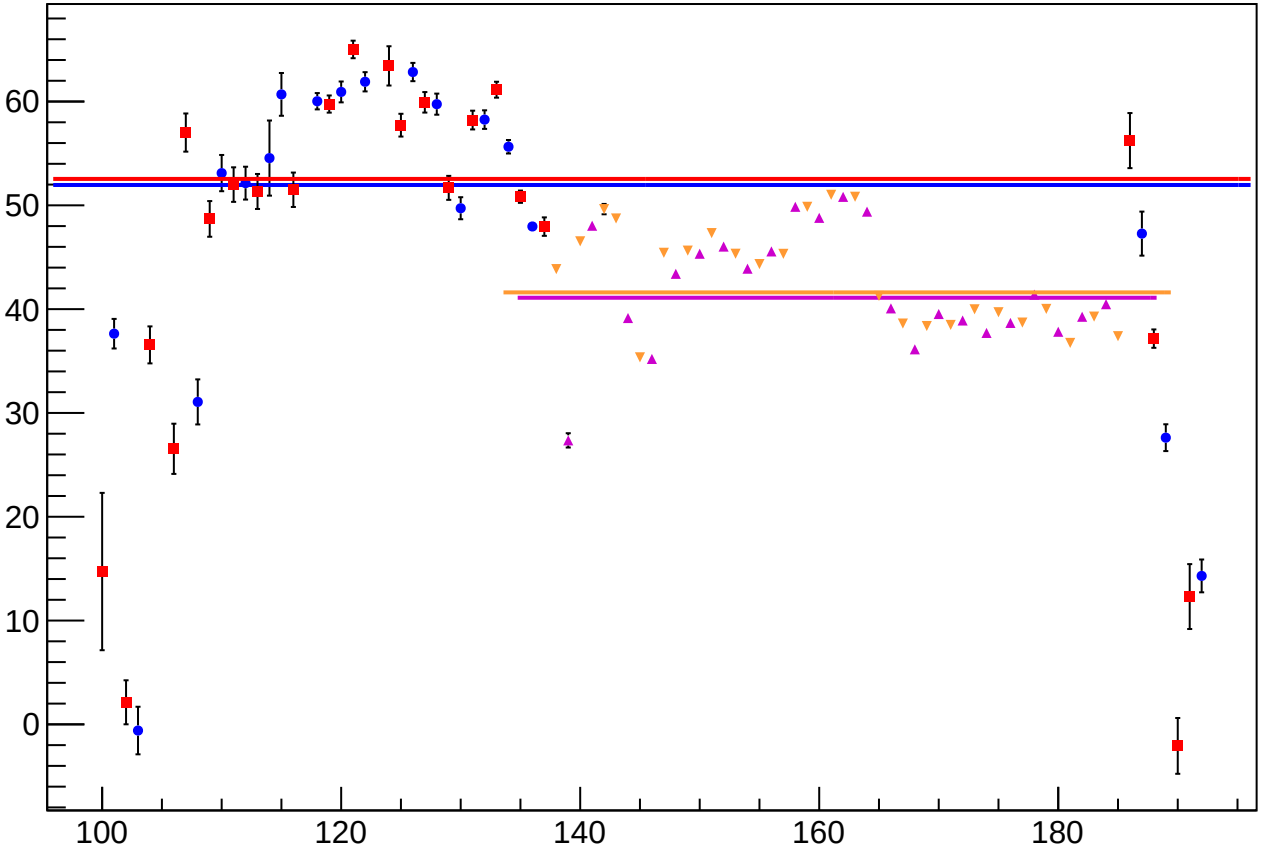
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.355+/-0.065 χ^2/NDF: 15176.2/43

All: 23.325+/-0.047 χ^2/NDF: 29893.1/89

- sign 23.294+/-0.066 χ^2/NDF: 14716.4/45

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



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

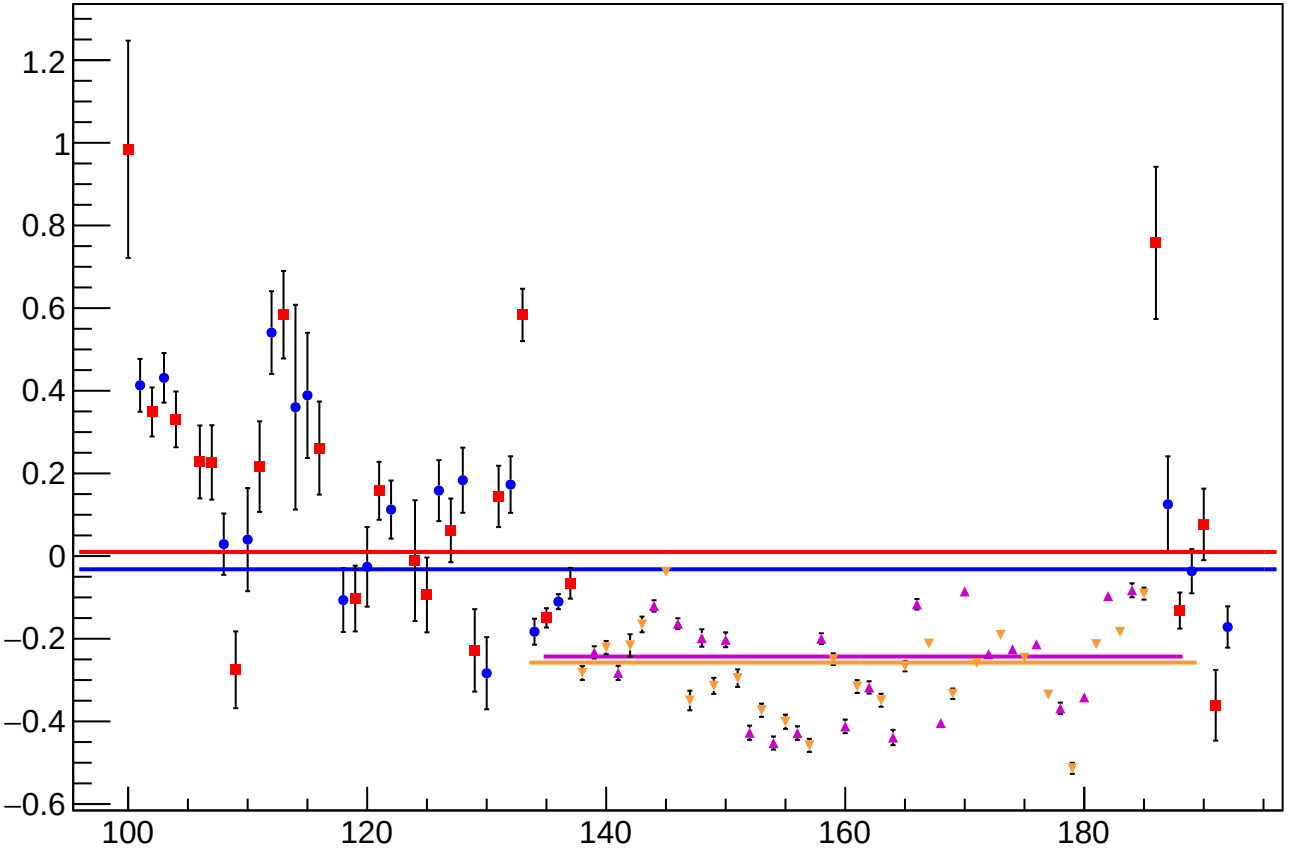
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.292+/-0.059 χ^2/NDF: 9994.0/43

All: 42.057+/-0.042 χ^2/NDF: 19868.9/89

- sign 41.810+/-0.061 χ^2/NDF: 9842.5/45

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.032+/-0.012 χ^2/NDF: 239.7/18

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

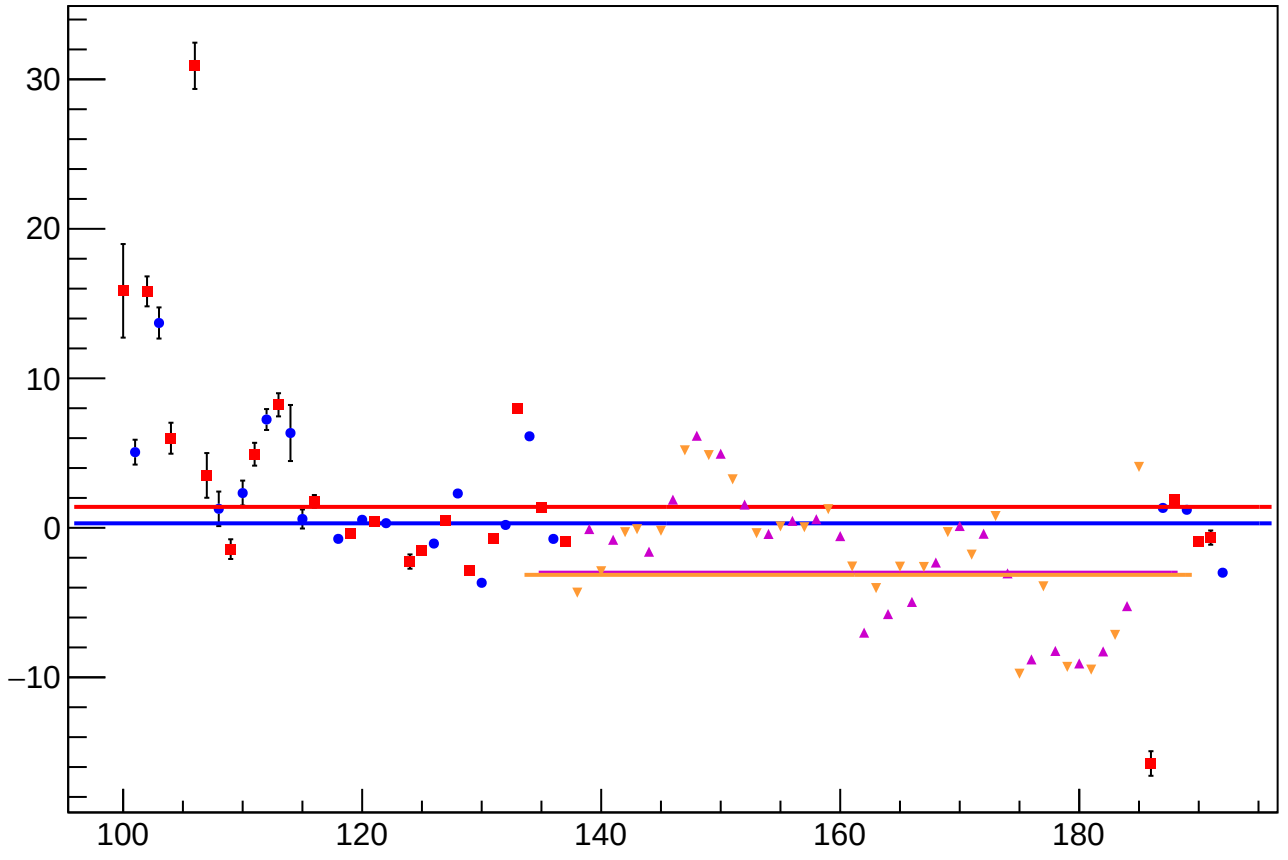
Right Out: 0.010+/-0.013 χ^2/NDF: 324.7/22

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.247+/-0.003 χ^2/NDF: 2090.2/43

All: -0.240+/-0.002 χ^2/NDF: 4593.4/89

- sign -0.232+/-0.003 χ^2/NDF: 2489.0/45



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

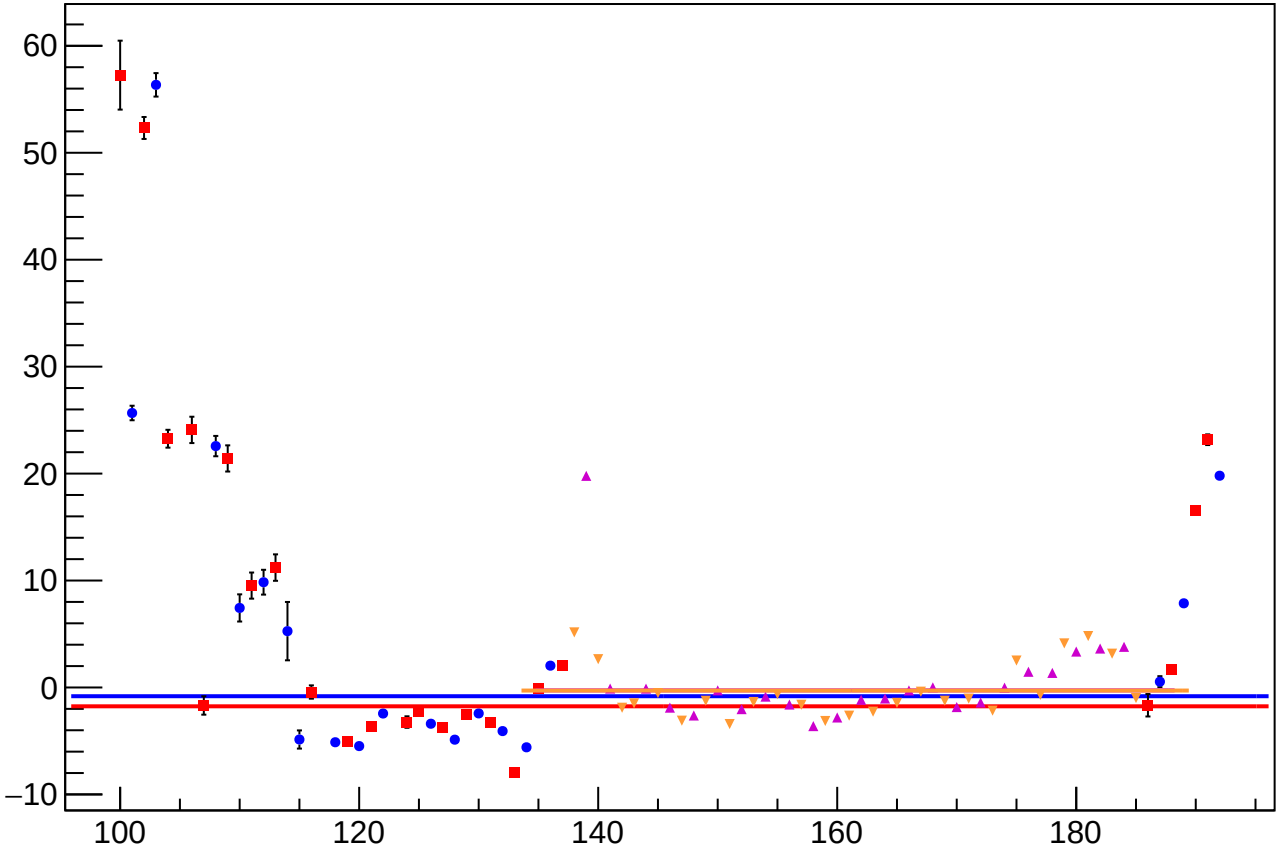
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.669+/-0.026 χ^2/NDF: 28753.8/43

All: -2.468+/-0.018 χ^2/NDF: 58233.2/89

- sign -2.263+/-0.026 χ^2/NDF: 29356.7/45

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



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

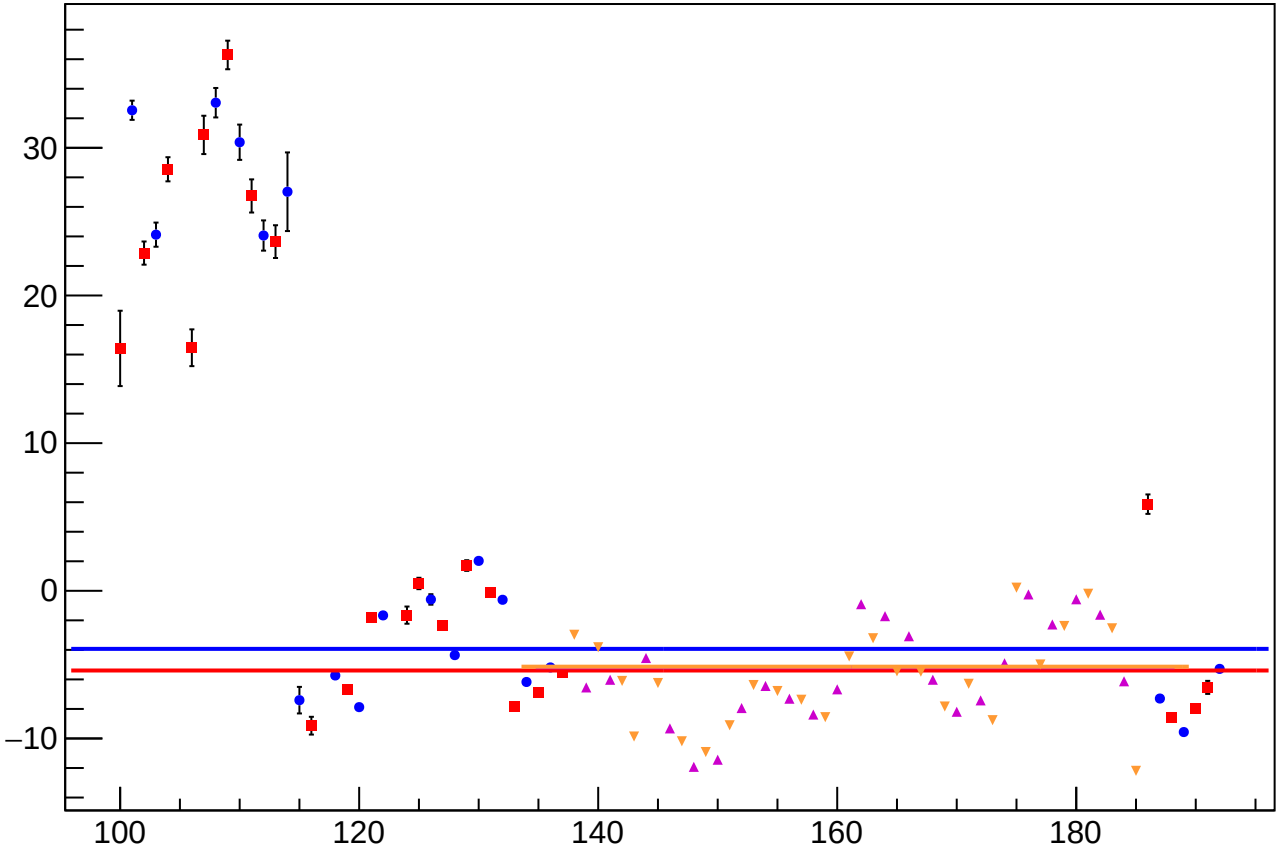
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign -0.340+/-0.021 χ^2/NDF: 26280.5/43

All: -0.385+/-0.015 χ^2/NDF: 53012.9/89

- sign -0.432+/-0.021 χ^2/NDF: 26722.6/45

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -3.932+/-0.071 χ^2/NDF: 9310.5/18

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.396+/-0.062 χ^2/NDF: 10457.3/22

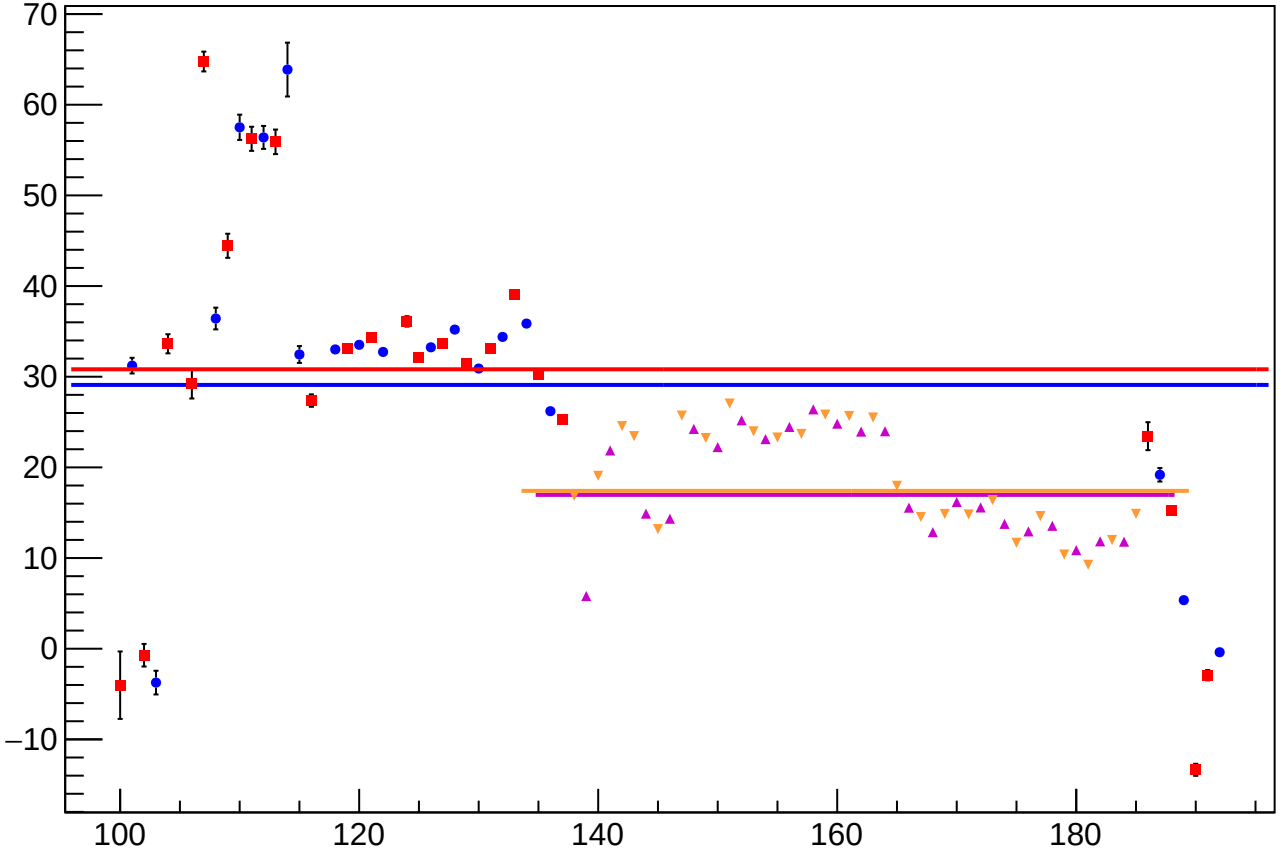
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.978+/-0.026 χ^2/NDF: 24186.9/43

All: -5.097+/-0.018 χ^2/NDF: 48660.5/89

- sign -5.215+/-0.026 χ^2/NDF: 24431.3/45

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



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

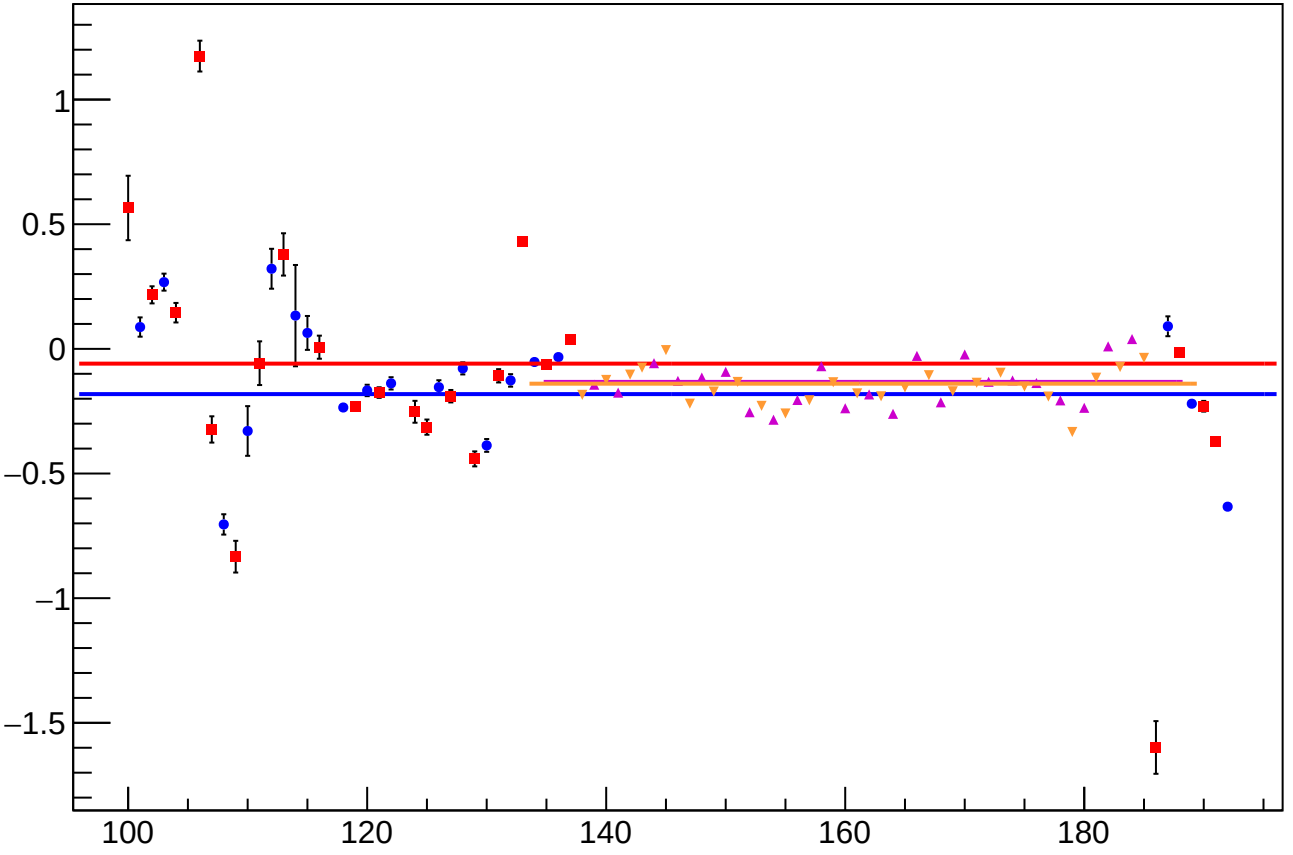
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 18.480+/-0.023 χ^2/NDF: 88073.2/43

All: 18.397+/-0.017 χ^2/NDF: 175213.2/89

- sign 18.309+/-0.024 χ^2/NDF: 87113.7/45

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



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

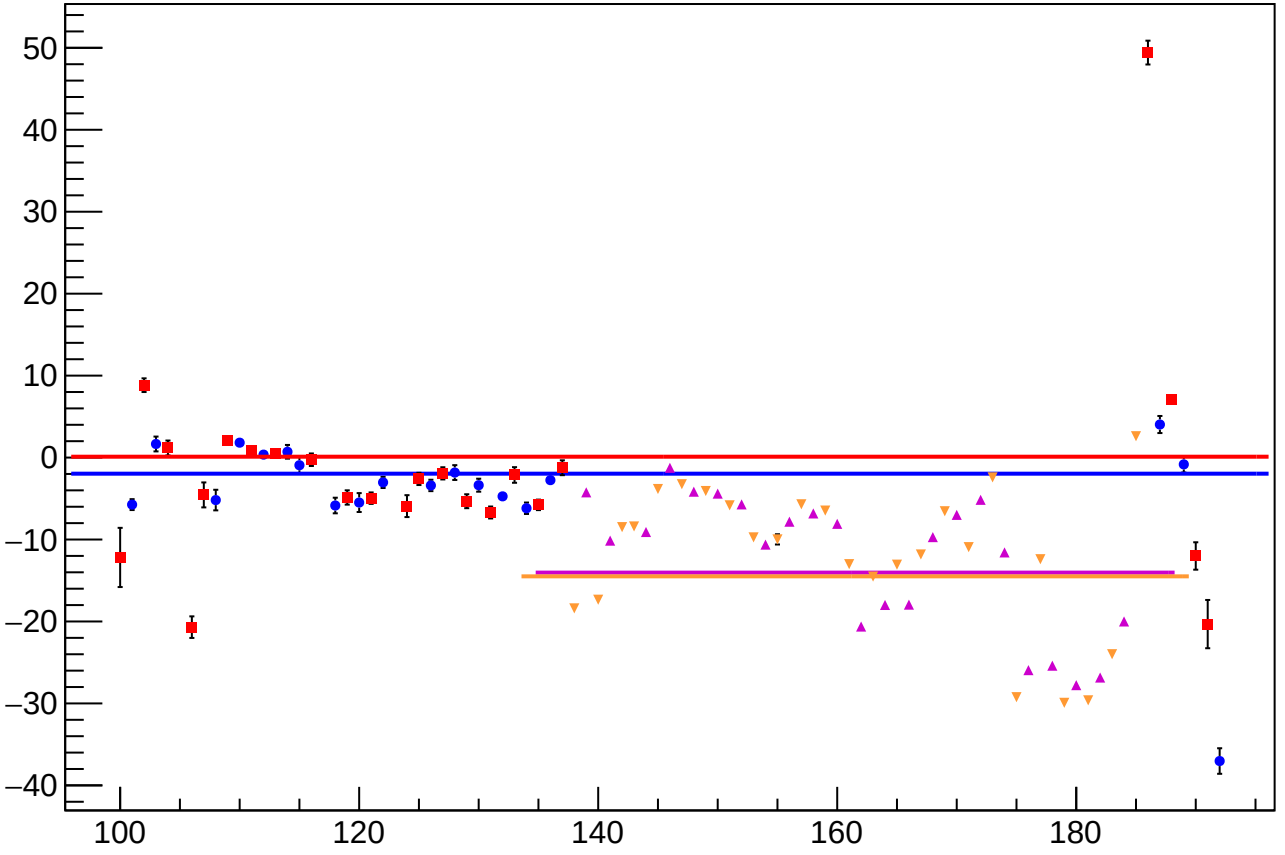
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.142+/-0.001 χ^2/NDF: 7302.6/43

All: -0.135+/-0.001 χ^2/NDF: 16214.8/89

- sign -0.128+/-0.001 χ^2/NDF: 8823.9/45

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



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

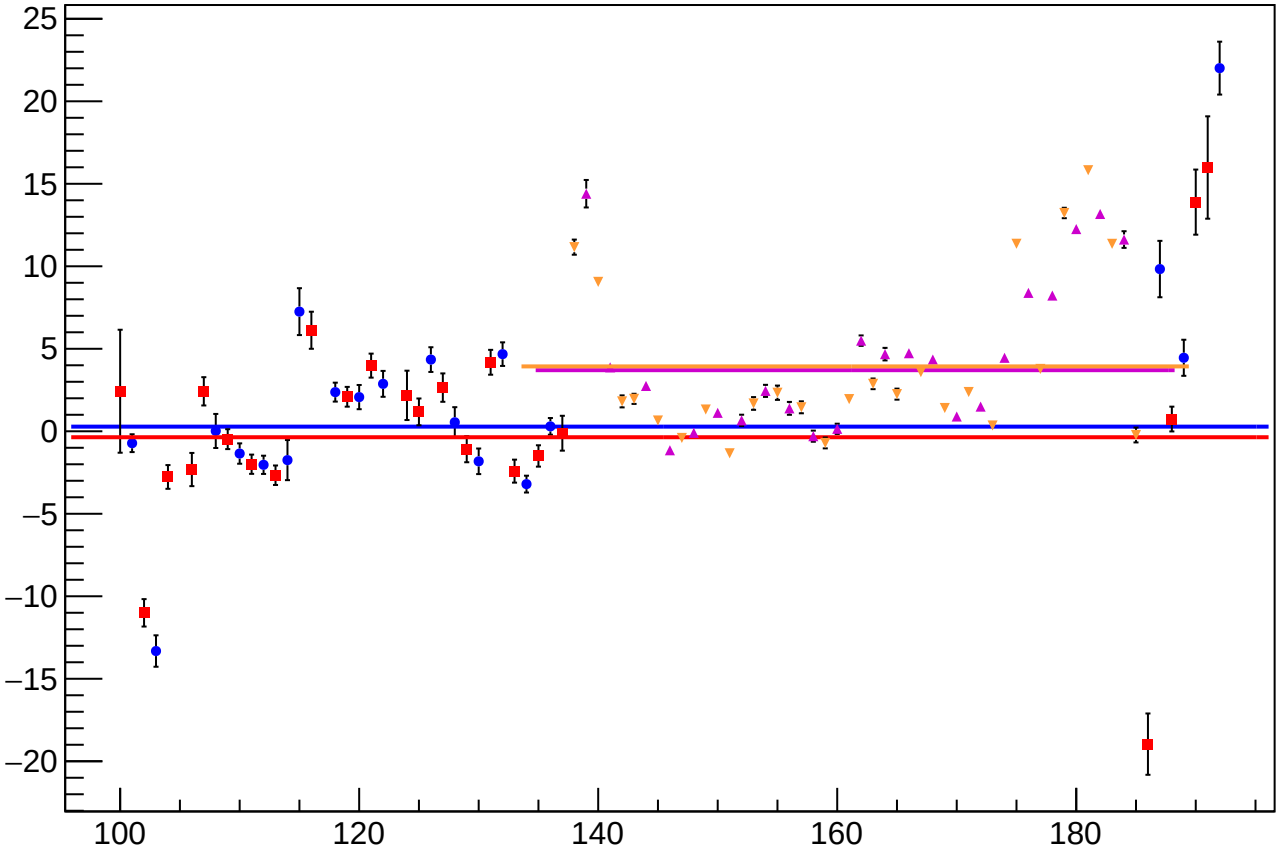
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.073+/-0.067 χ^2/NDF: 23498.9/43

All: -11.449+/-0.048 χ^2/NDF: 47067.8/89

- sign -10.818+/-0.068 χ^2/NDF: 23395.3/45

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.282+/-0.169 χ^2/NDF: 639.5/18

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

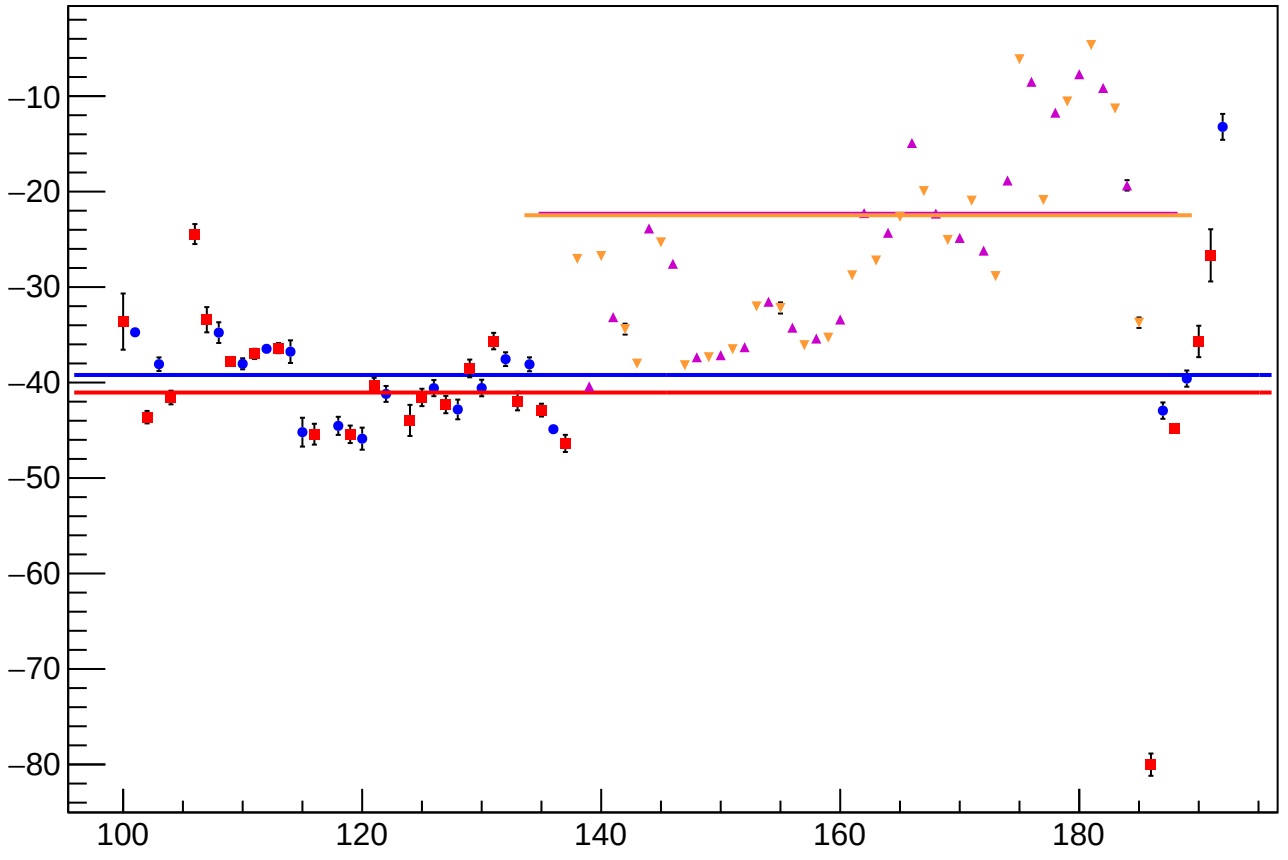
Right Out: -0.361+/-0.171 χ^2/NDF: 548.7/22

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

\+ sign 3.549+/-0.055 χ^2/NDF: 8035.9/43

All: 3.411+/-0.039 χ^2/NDF: 13891.2/89

\- sign 3.266+/-0.056 χ^2/NDF: 5842.3/45



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

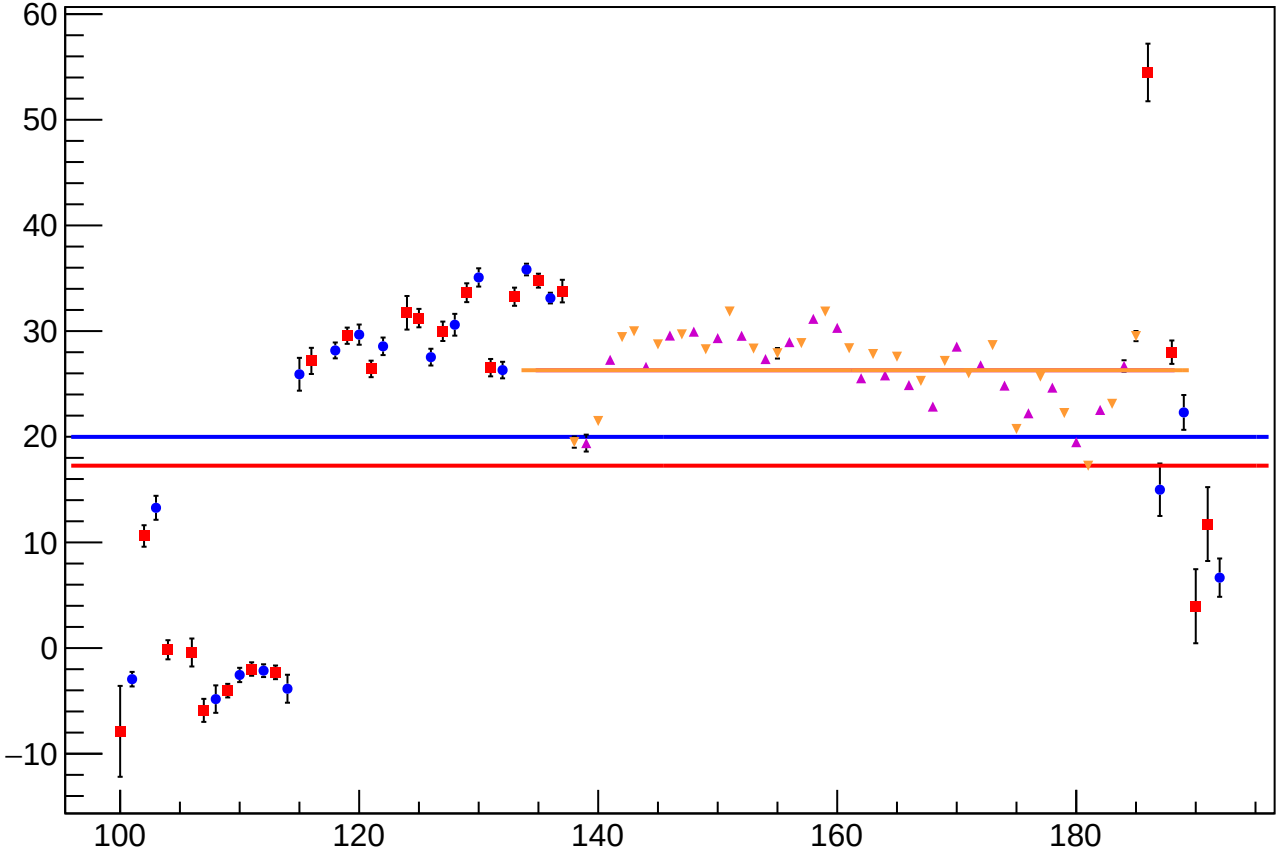
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

\+ sign -25.156+/-0.069 χ^2/NDF: 29226.4/43

All: -25.413+/-0.049 χ^2/NDF: 58948.0/89

\- sign -25.676+/-0.069 χ^2/NDF: 29693.2/45

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



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

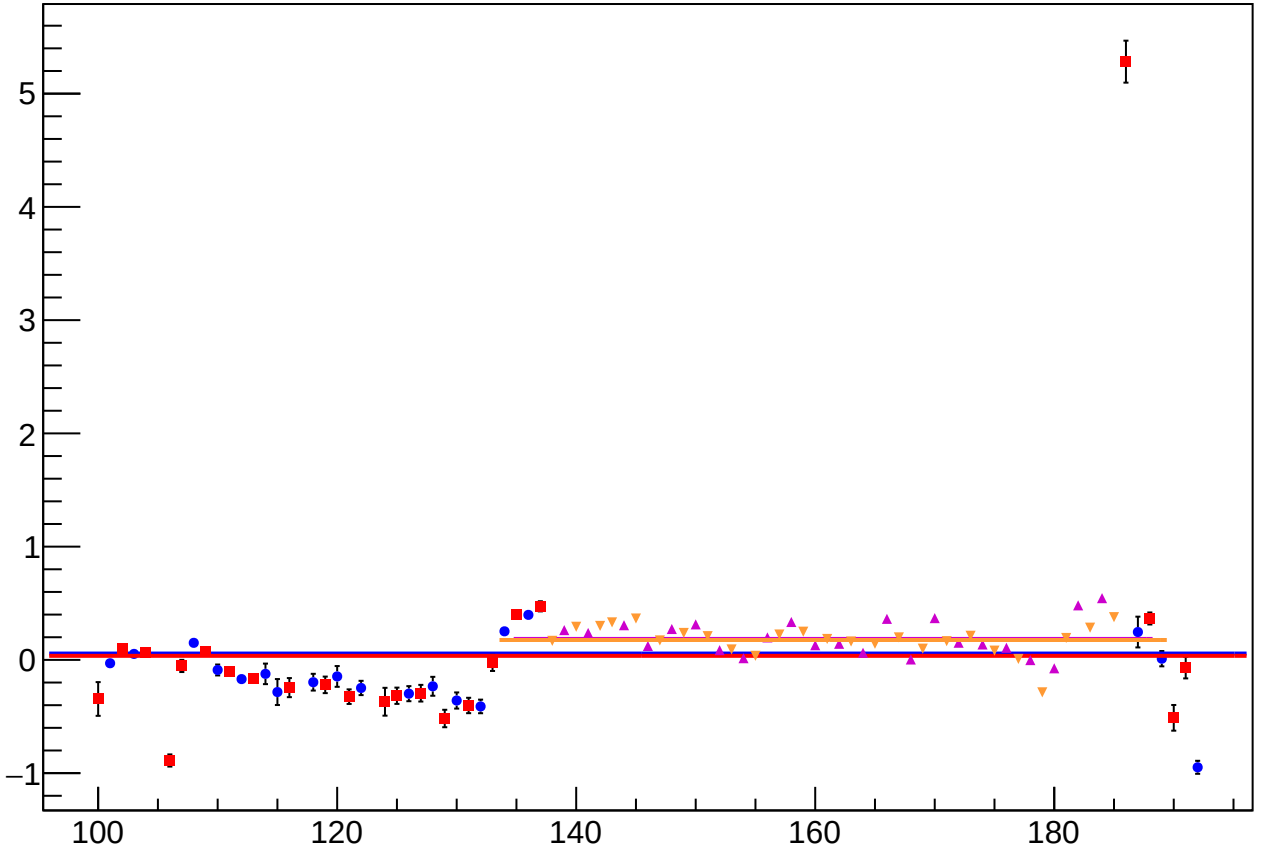
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.644+/-0.062 χ^2/NDF: 11023.8/43

All: 25.501+/-0.044 χ^2/NDF: 22175.6/89

- sign 25.352+/-0.063 χ^2/NDF: 11140.8/45

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



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

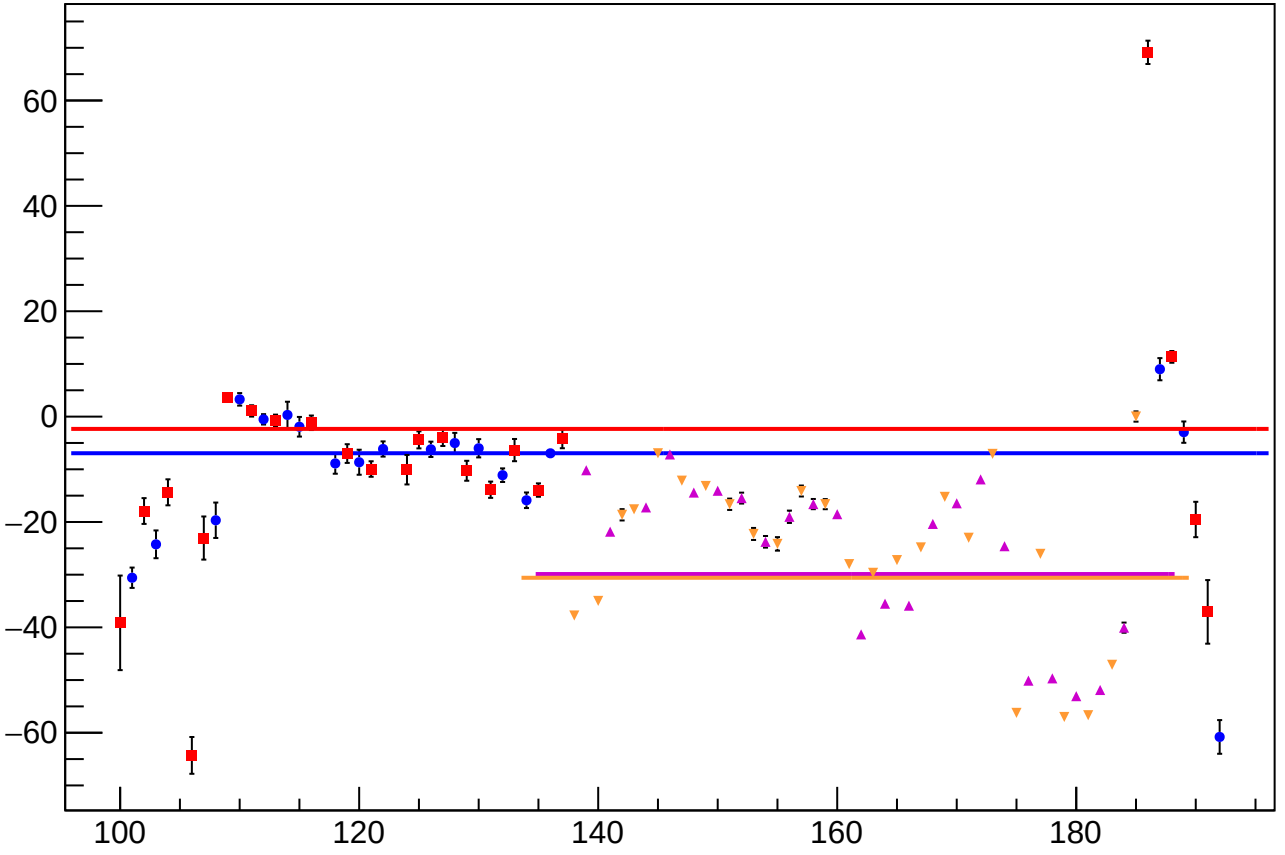
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.166+/-0.003 χ^2/NDF: 2947.6/43

All: 0.170+/-0.002 χ^2/NDF: 7376.7/89

- sign 0.174+/-0.003 χ^2/NDF: 4425.3/45

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

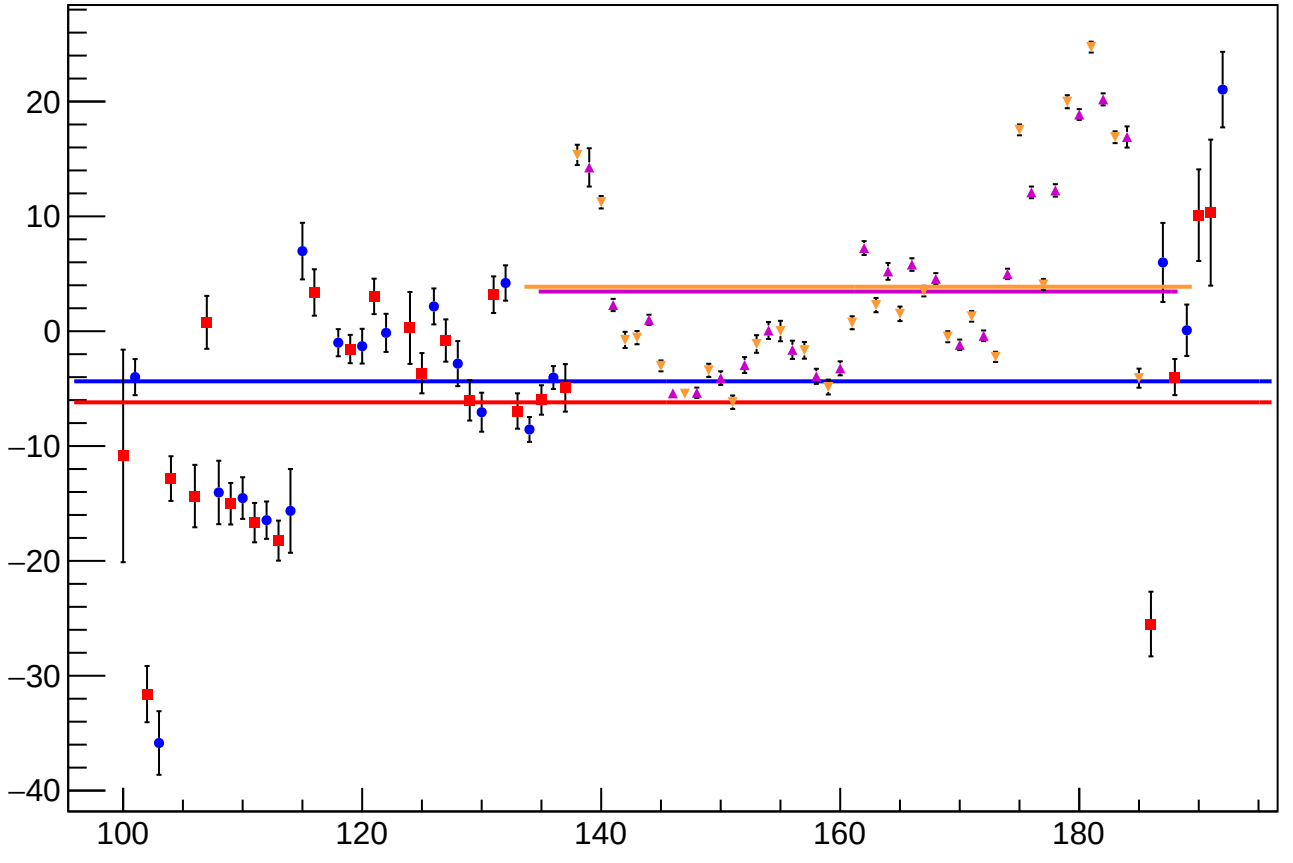
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -27.421+/-0.132 χ^2/NDF: 20485.5/43

All: -26.552+/-0.094 χ^2/NDF: 39982.2/89

- sign -25.654+/-0.135 χ^2/NDF: 19408.9/45

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -4.363+/-0.384 χ^2/NDF: 417.0/18

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

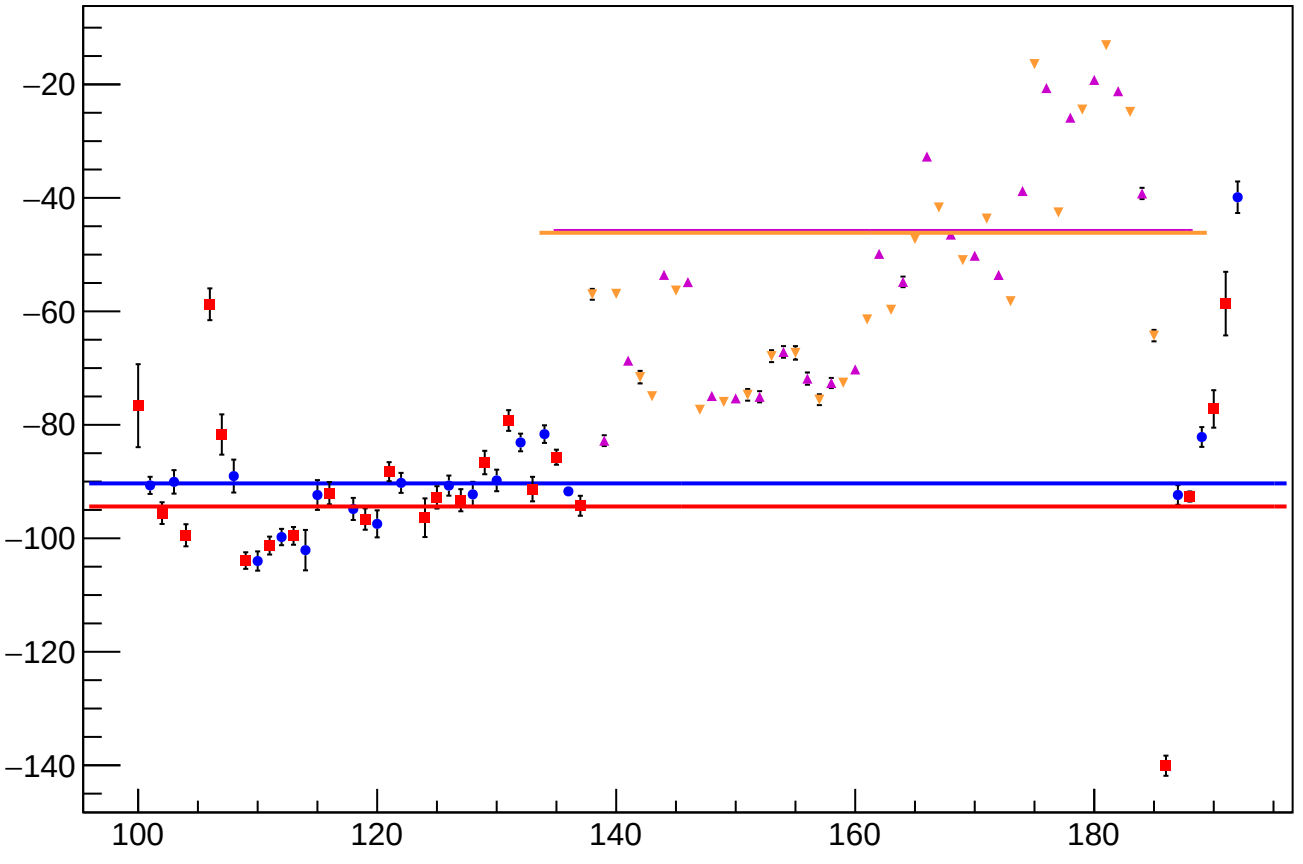
Right Out: -6.192+/-0.396 χ^2/NDF: 441.5/22

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.236+/-0.107 χ^2/NDF: 7383.1/43

All: 2.983+/-0.076 χ^2/NDF: 13078.2/89

- sign 2.718+/-0.109 χ^2/NDF: 5683.6/45



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

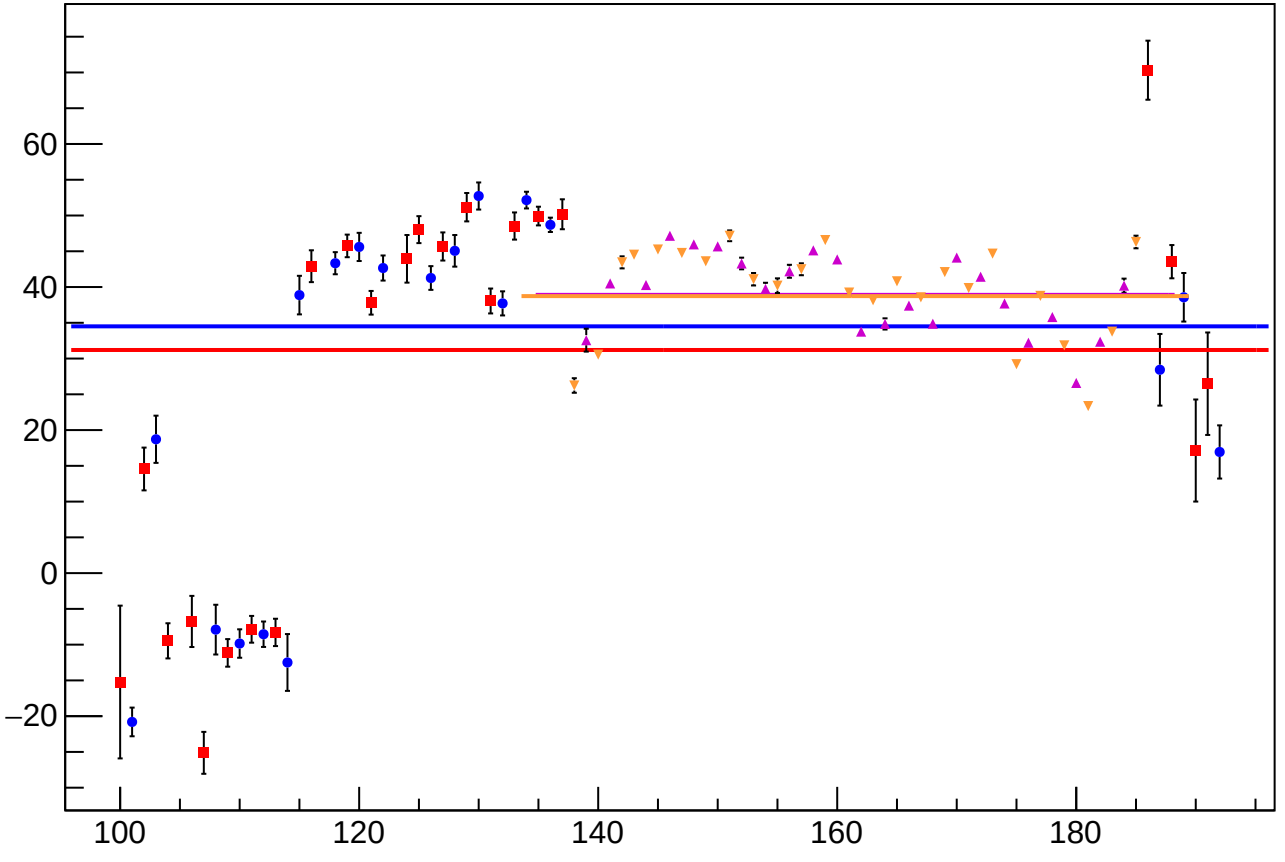
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

\+ sign -51.195+/-0.134 χ^2/NDF: 32980.1/43

All: -51.606+/-0.096 χ^2/NDF: 66178.2/89

\- sign -52.031+/-0.136 χ^2/NDF: 33179.0/45

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



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

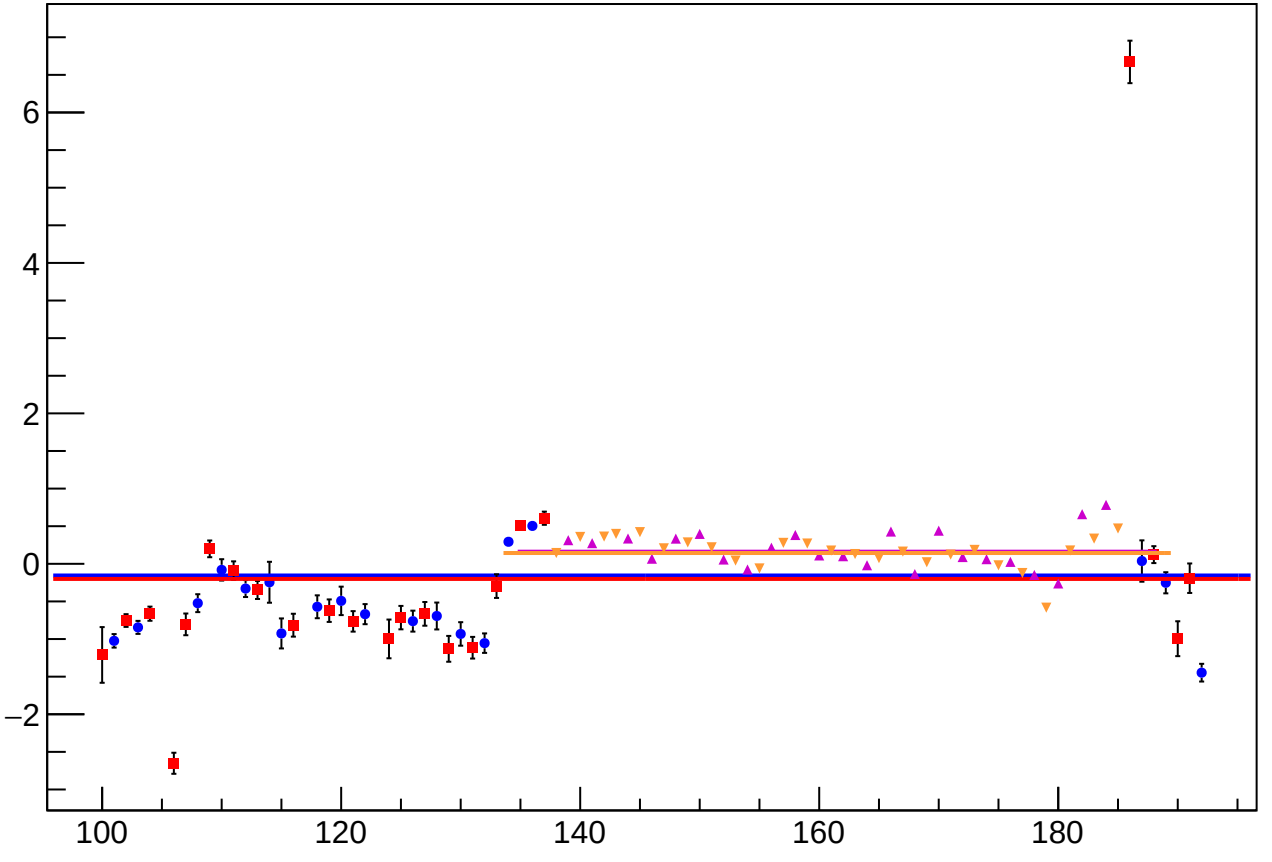
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.408+/-0.120 χ^2/NDF: 5704.1/43

All: 38.375+/-0.086 χ^2/NDF: 10981.1/89

- sign 38.340+/-0.123 χ^2/NDF: 5276.8/45

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



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

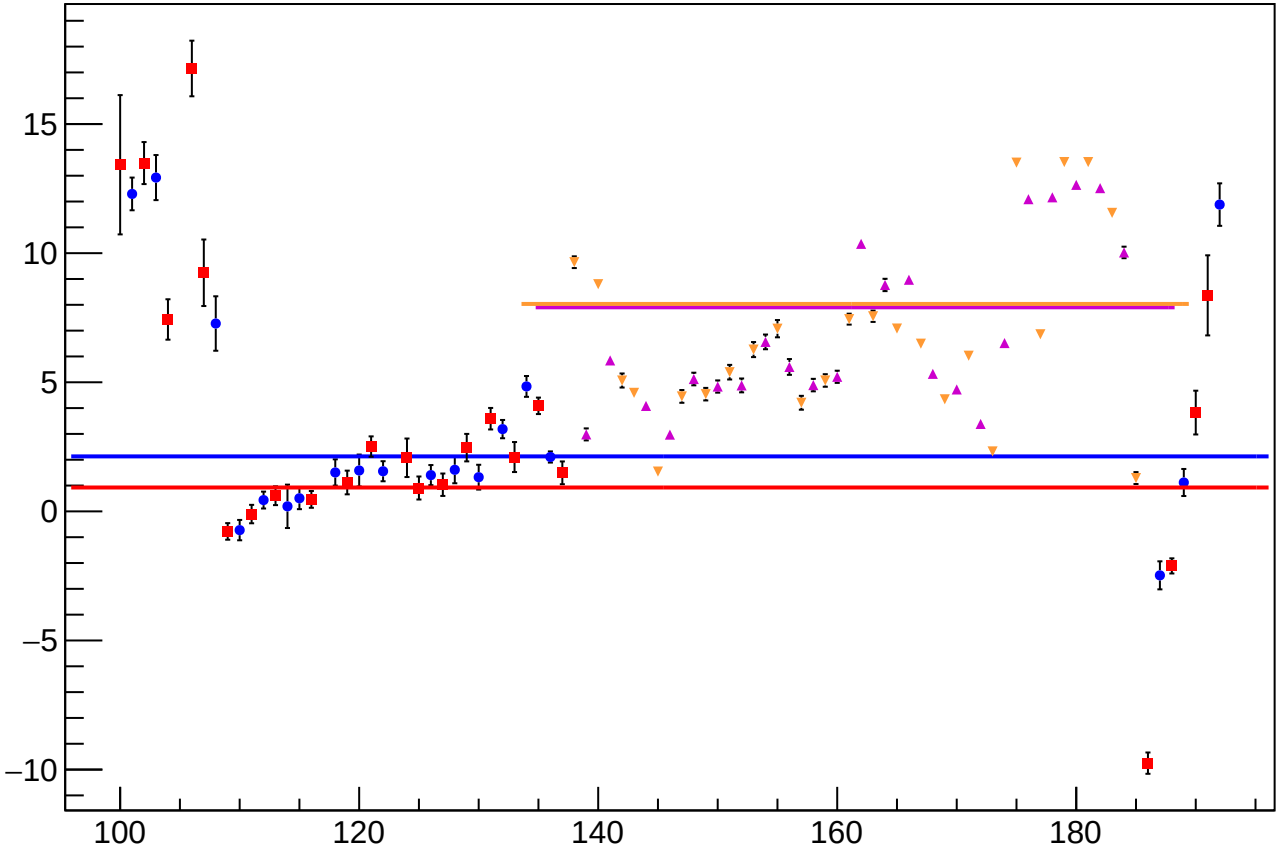
Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.127+/-0.005 χ^2/NDF: 2358.7/43

All: 0.135+/-0.004 χ^2/NDF: 5919.8/89

- sign 0.144+/-0.006 χ^2/NDF: 3556.6/45

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.130+/-0.100 χ^2/NDF: 815.7/18

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

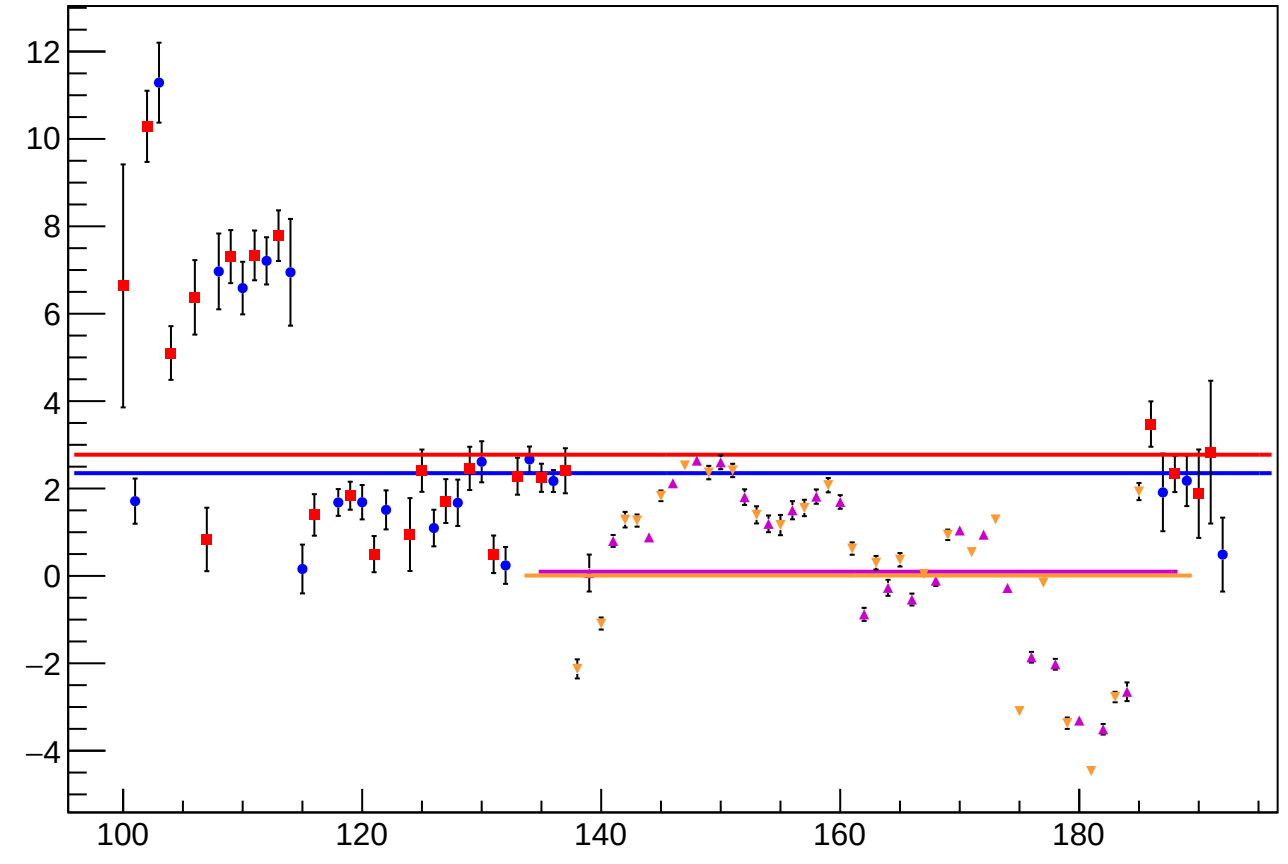
Right Out: 0.925+/-0.096 χ^2/NDF: 1620.7/22

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.403+/-0.033 χ^2/NDF: 17829.7/43

All: 7.228+/-0.023 χ^2/NDF: 34190.6/89

- sign 7.046+/-0.034 χ^2/NDF: 16303.1/45



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

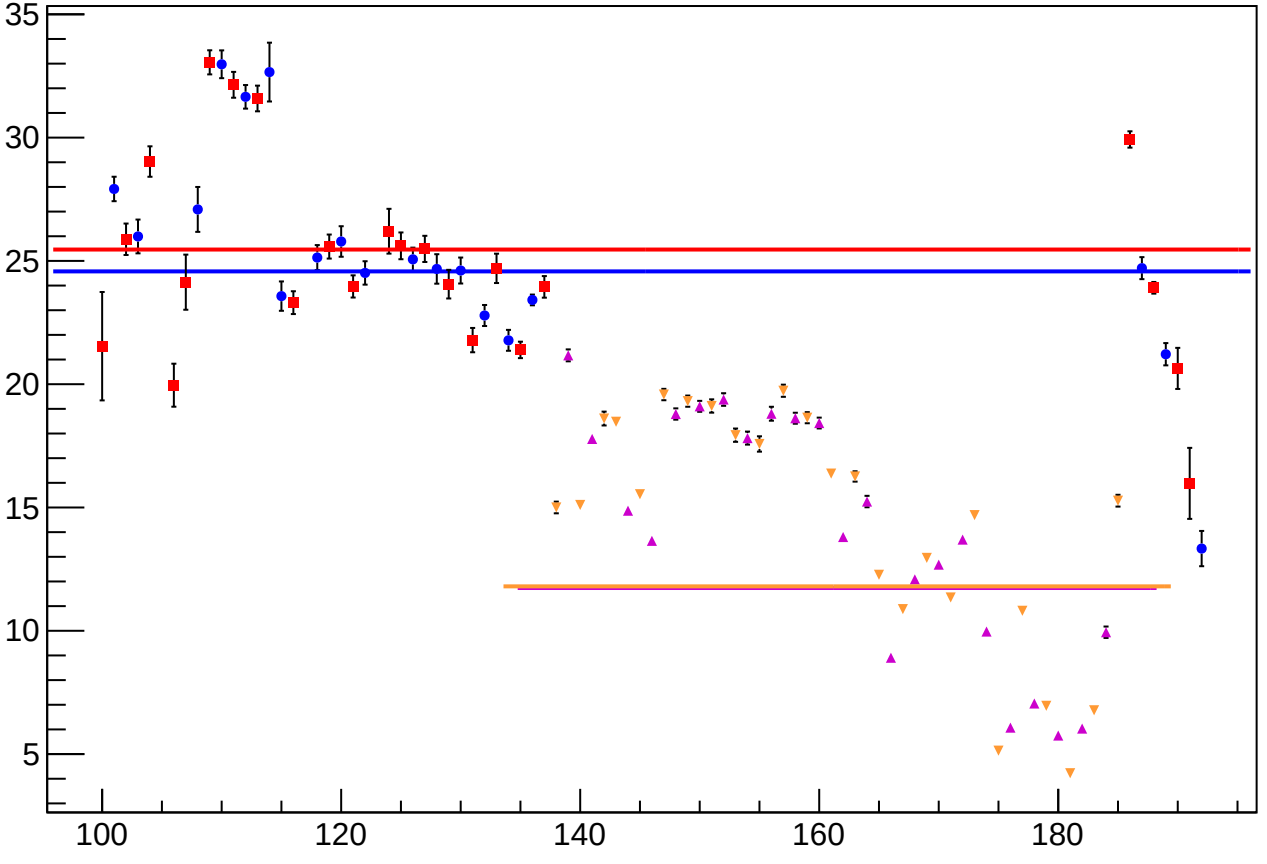
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.159+/-0.027 χ^2/NDF: 6566.9/43

All: 0.211+/-0.019 χ^2/NDF: 11995.8/89

- sign 0.265+/-0.027 χ^2/NDF: 5421.1/45

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



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

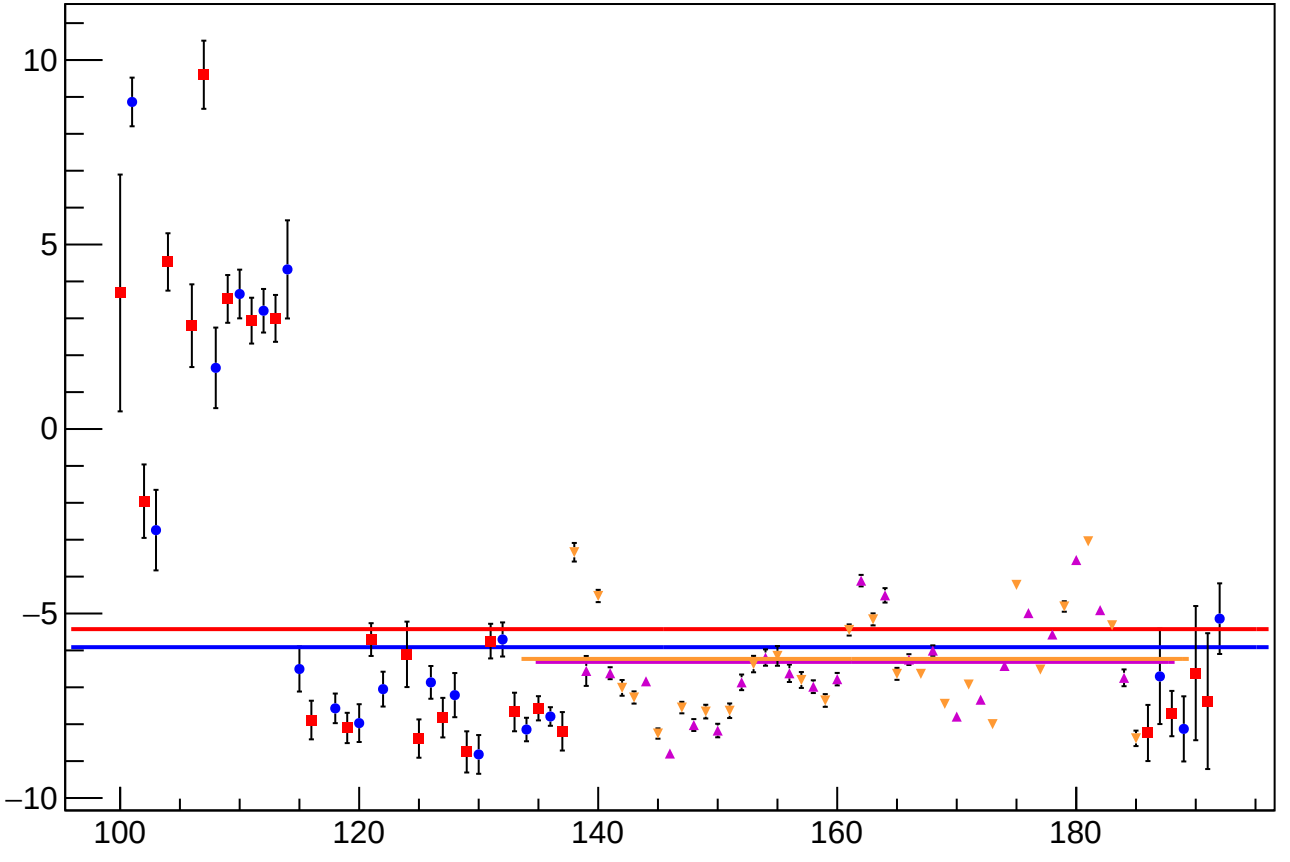
Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 12.987+/-0.033 χ^2/NDF: 34896.0/43

All: 13.097+/-0.024 χ^2/NDF: 69888.8/89

- sign 13.210+/-0.034 χ^2/NDF: 34970.7/45

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.912+/-0.118 χ^2/NDF: 1258.8/18

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

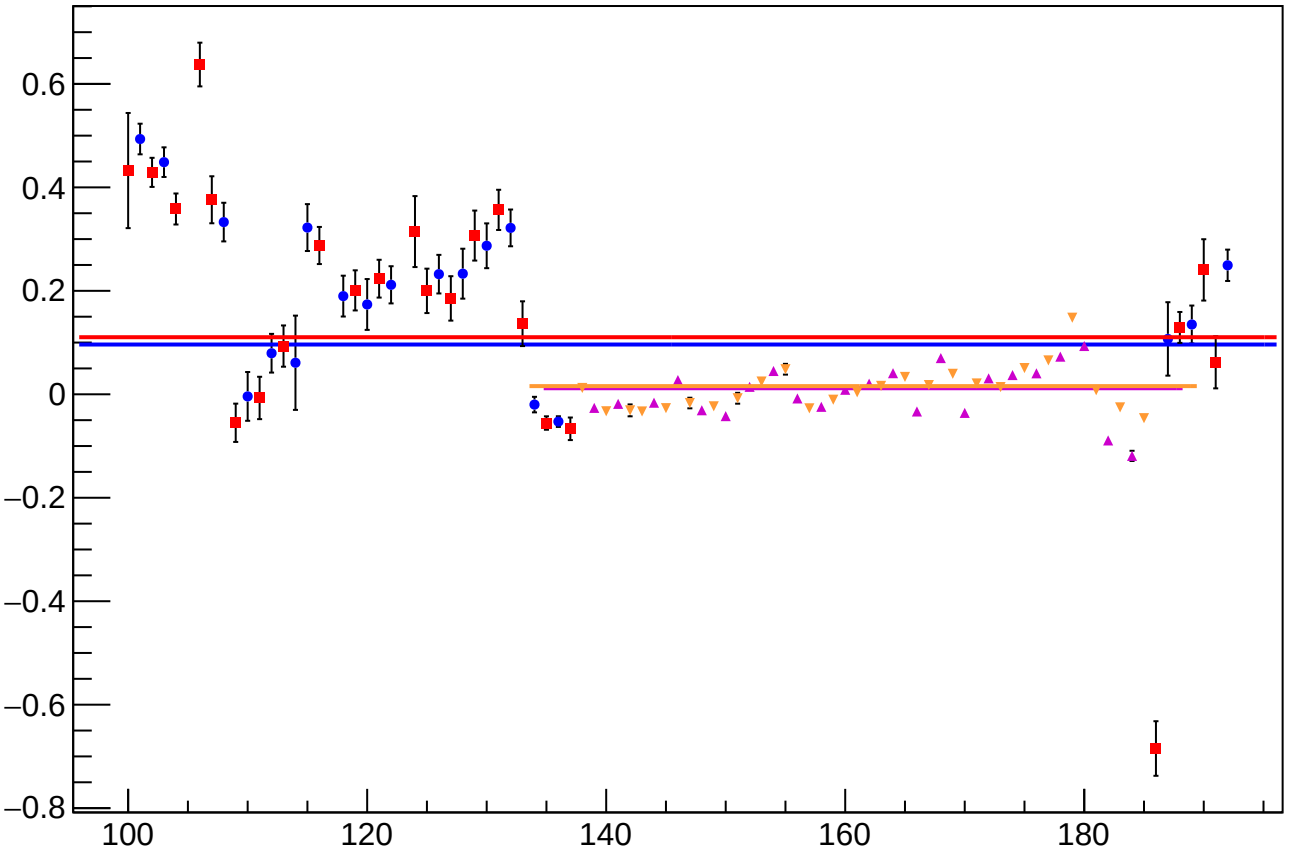
Right Out: -5.423+/-0.124 χ^2/NDF: 1323.5/22

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.210+/-0.030 χ^2/NDF: 3715.7/43

All: -6.234+/-0.021 χ^2/NDF: 7118.4/89

- sign -6.258+/-0.030 χ^2/NDF: 3401.5/45



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

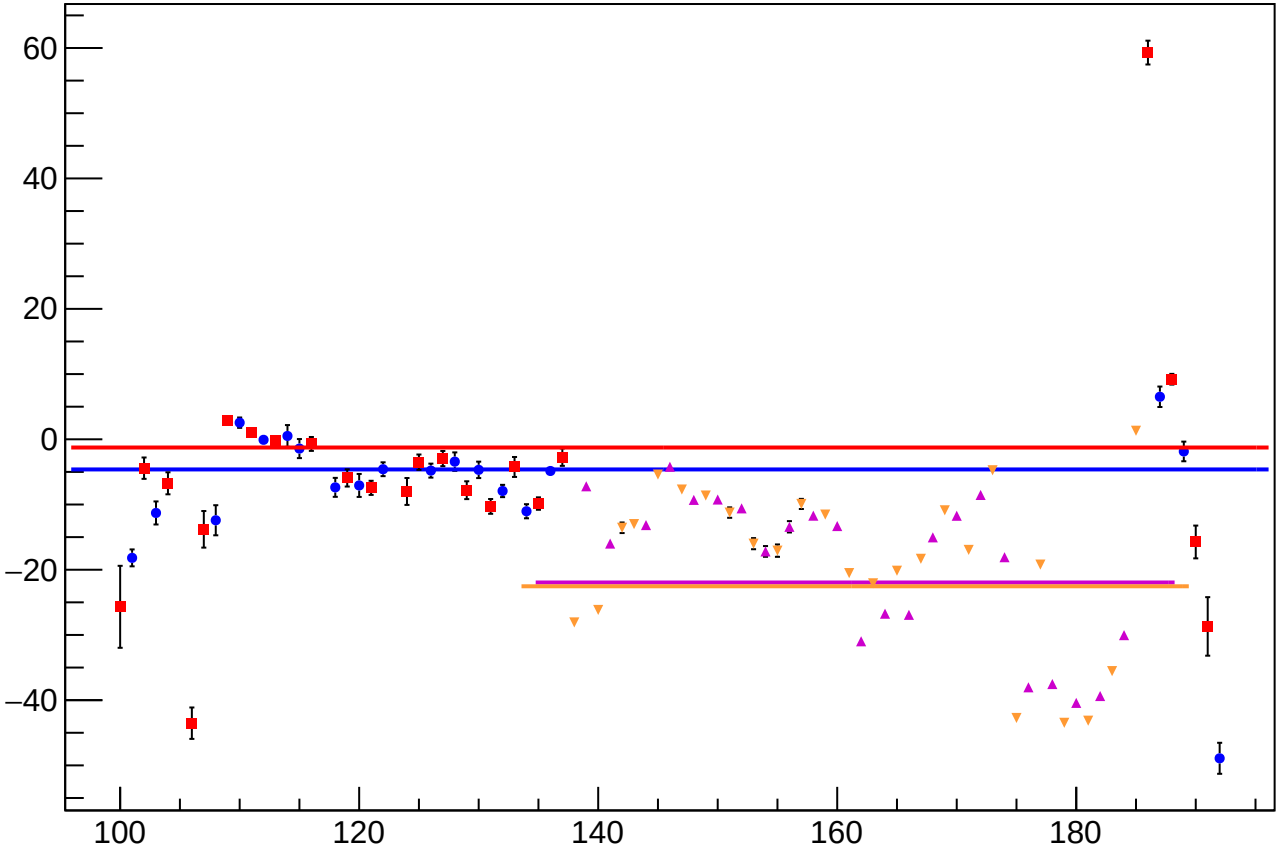
Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.019+/-0.001 χ^2/NDF: 1884.4/43

All: 0.018+/-0.001 χ^2/NDF: 4378.9/89

- sign 0.016+/-0.001 χ^2/NDF: 2490.5/45

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.621+/-0.259 χ^2/NDF: 733.0/18

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

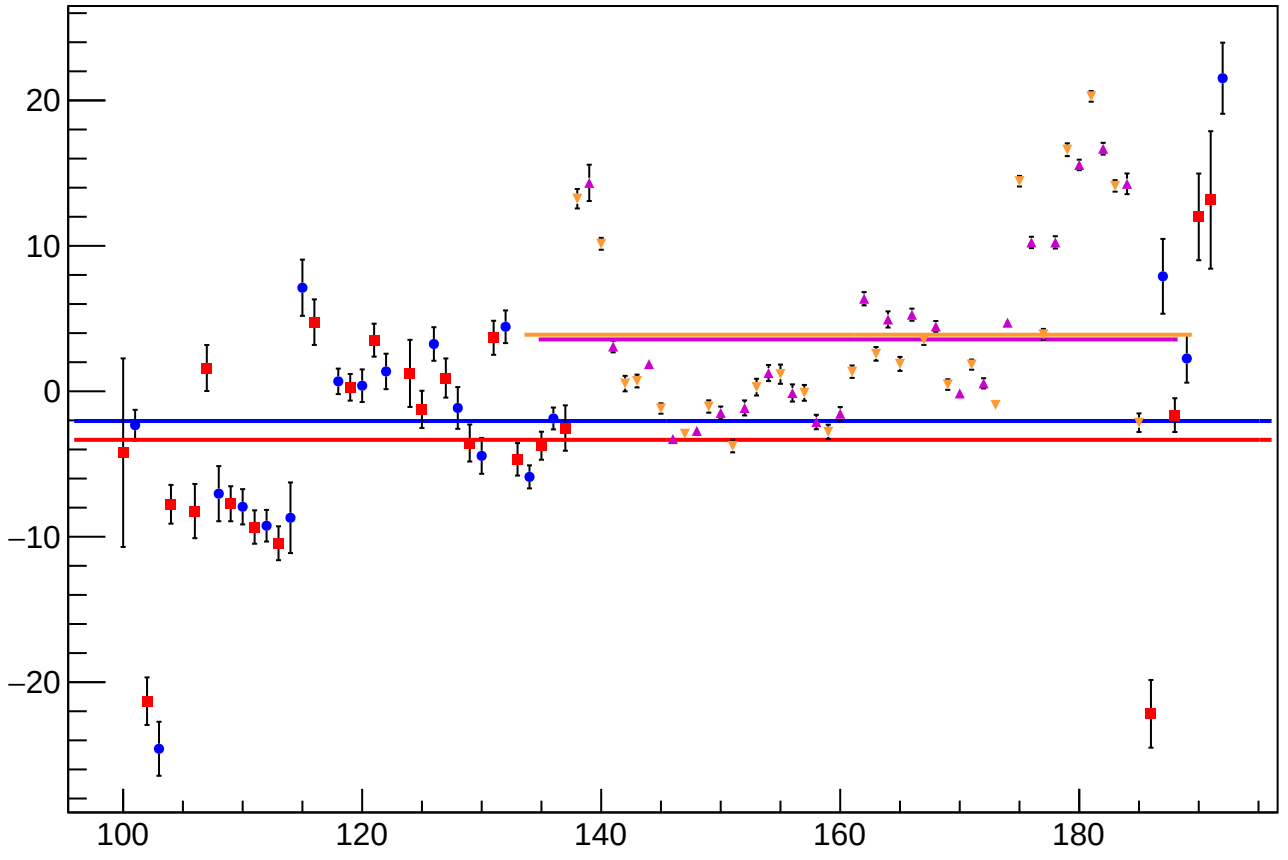
Right Out: -1.259+/-0.245 χ^2/NDF: 1977.8/22

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.880+/-0.100 χ^2/NDF: 21347.9/43

All: -19.160+/-0.071 χ^2/NDF: 41944.0/89

- sign -18.418+/-0.101 χ^2/NDF: 20490.2/45



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

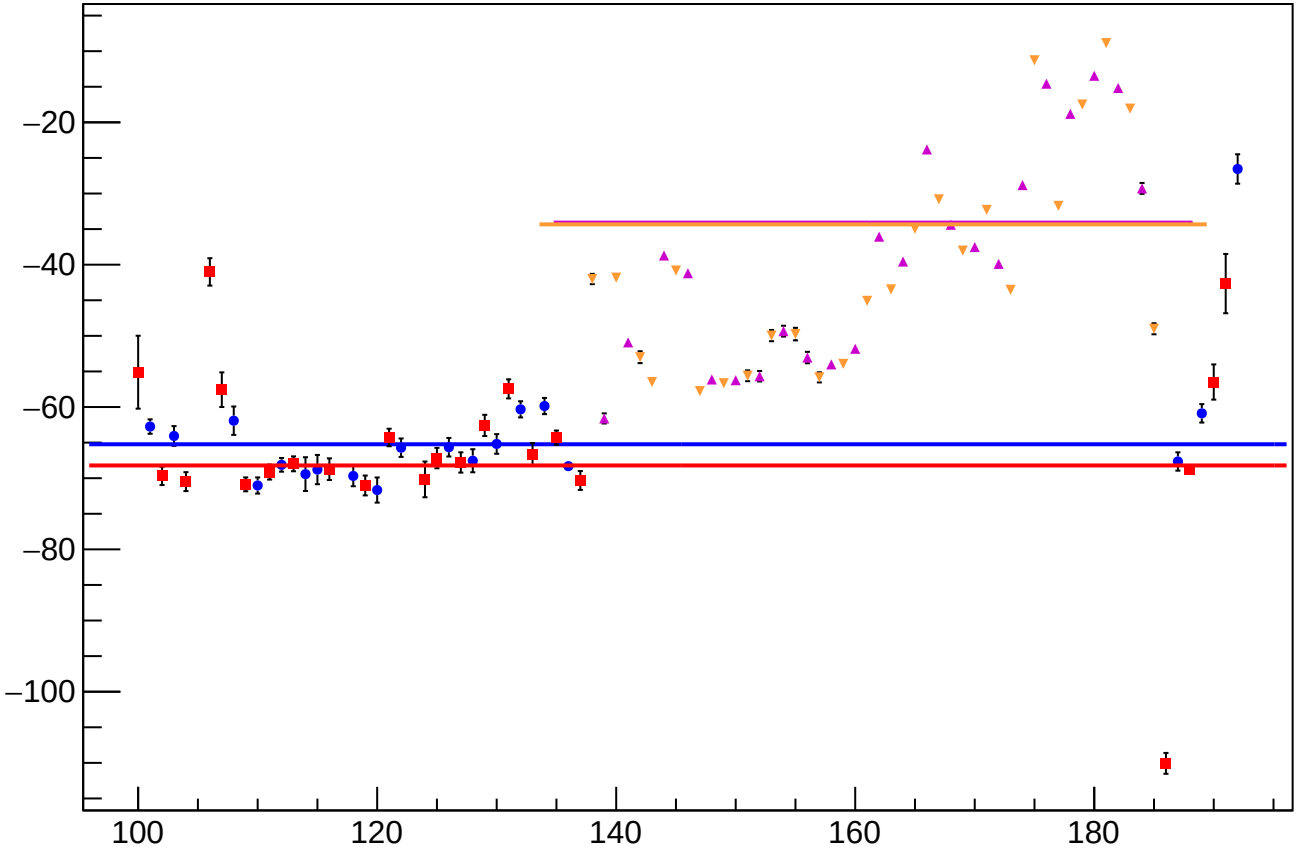
Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.392+/-0.081 χ^2/NDF: 7611.6/43

All: 3.195+/-0.058 χ^2/NDF: 13365.6/89

- sign 2.988+/-0.083 χ^2/NDF: 5741.7/45

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



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

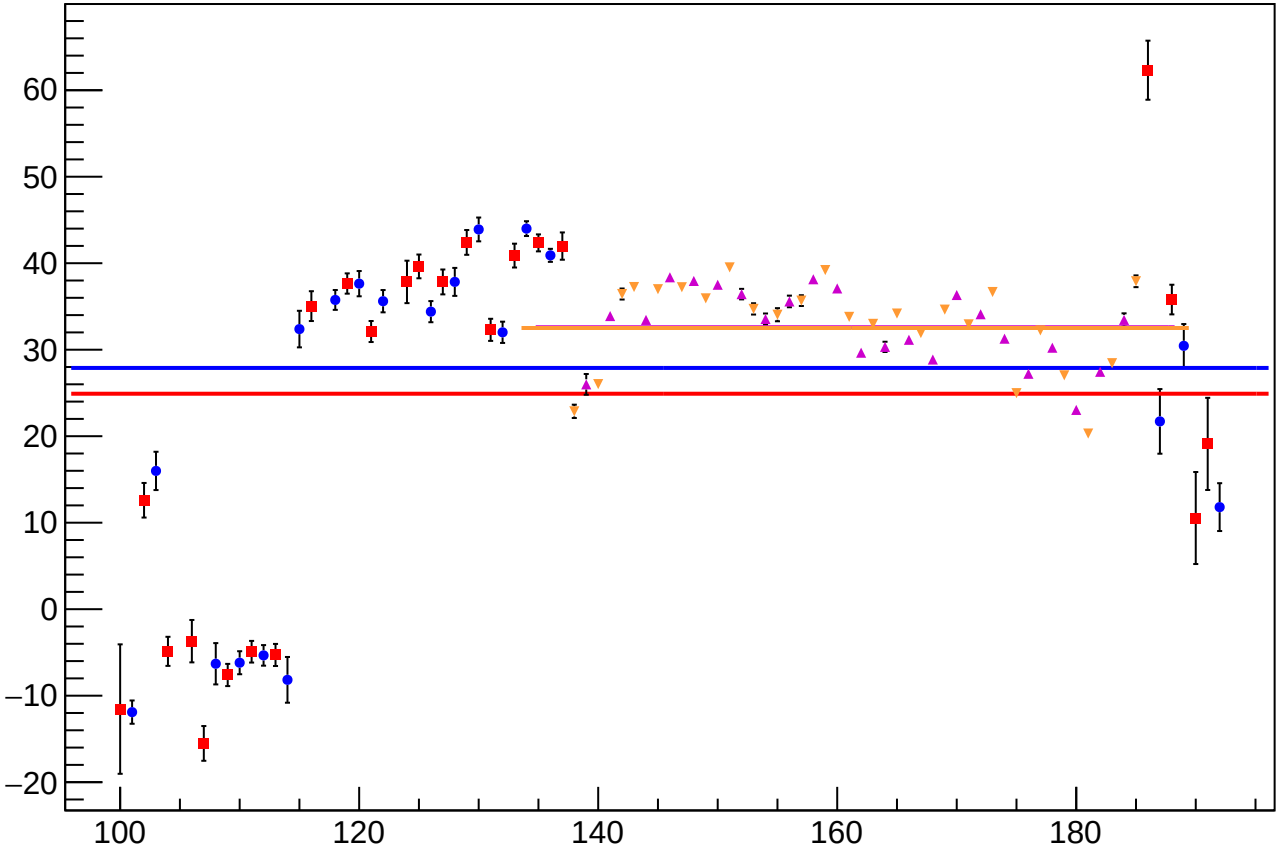
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.208+/-0.101 χ^2/NDF: 31916.6/43

All: -38.530+/-0.072 χ^2/NDF: 64111.5/89

- sign -38.861+/-0.103 χ^2/NDF: 32174.5/45

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



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

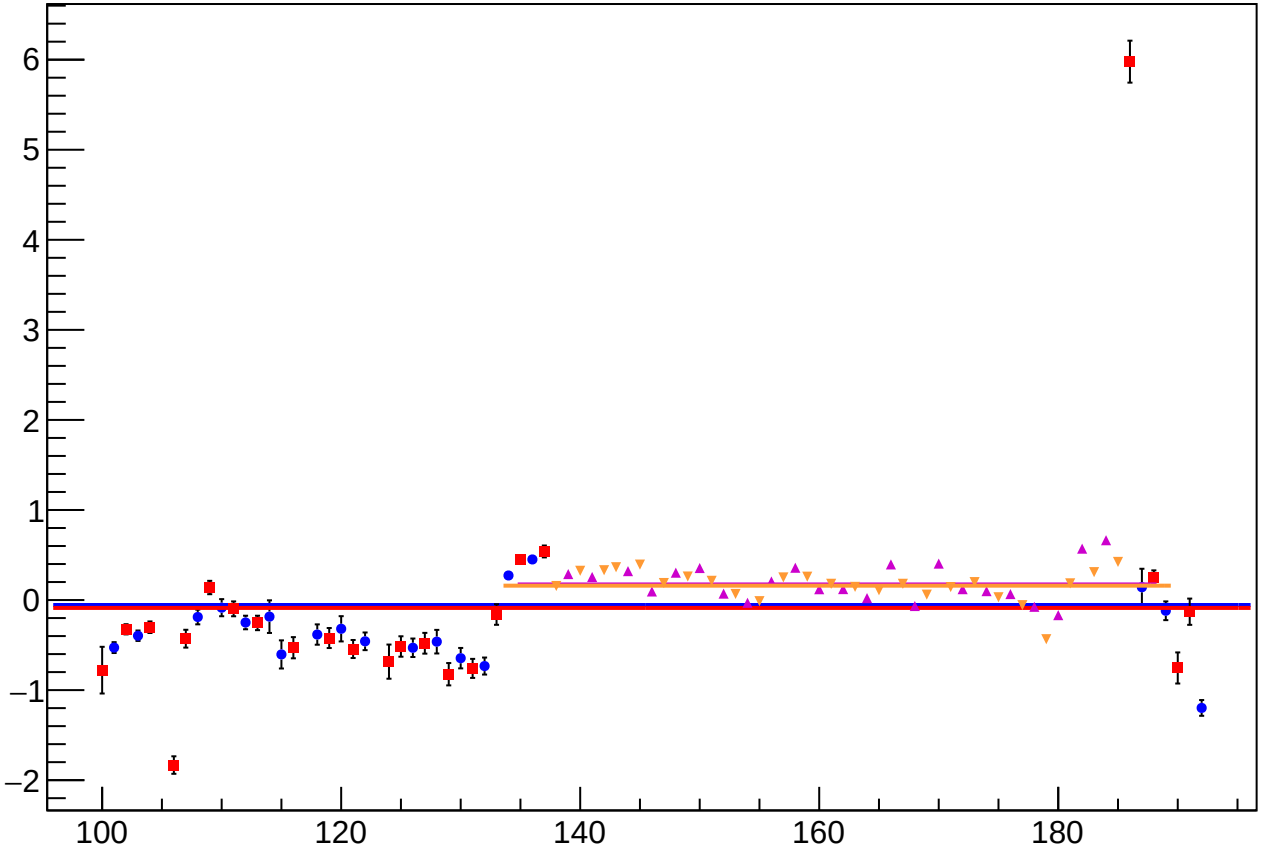
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.127+/-0.091 χ^2/NDF: 6901.9/43

All: 32.054+/-0.065 χ^2/NDF: 13440.3/89

- sign 31.978+/-0.093 χ^2/NDF: 6537.1/45

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



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

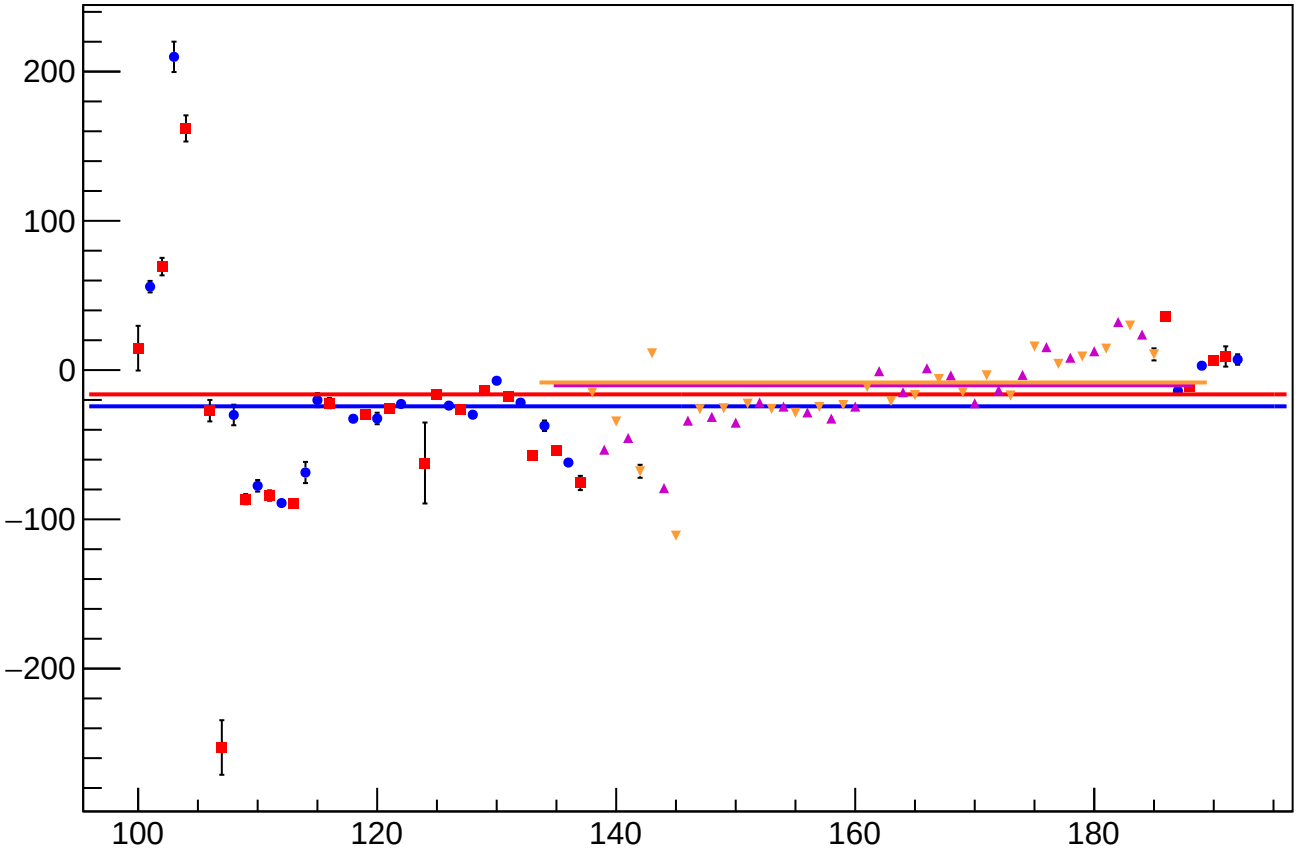
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.147+/-0.004 χ^2/NDF: 2533.9/43

All: 0.153+/-0.003 χ^2/NDF: 6399.2/89

- sign 0.159+/-0.004 χ^2/NDF: 3860.9/45

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

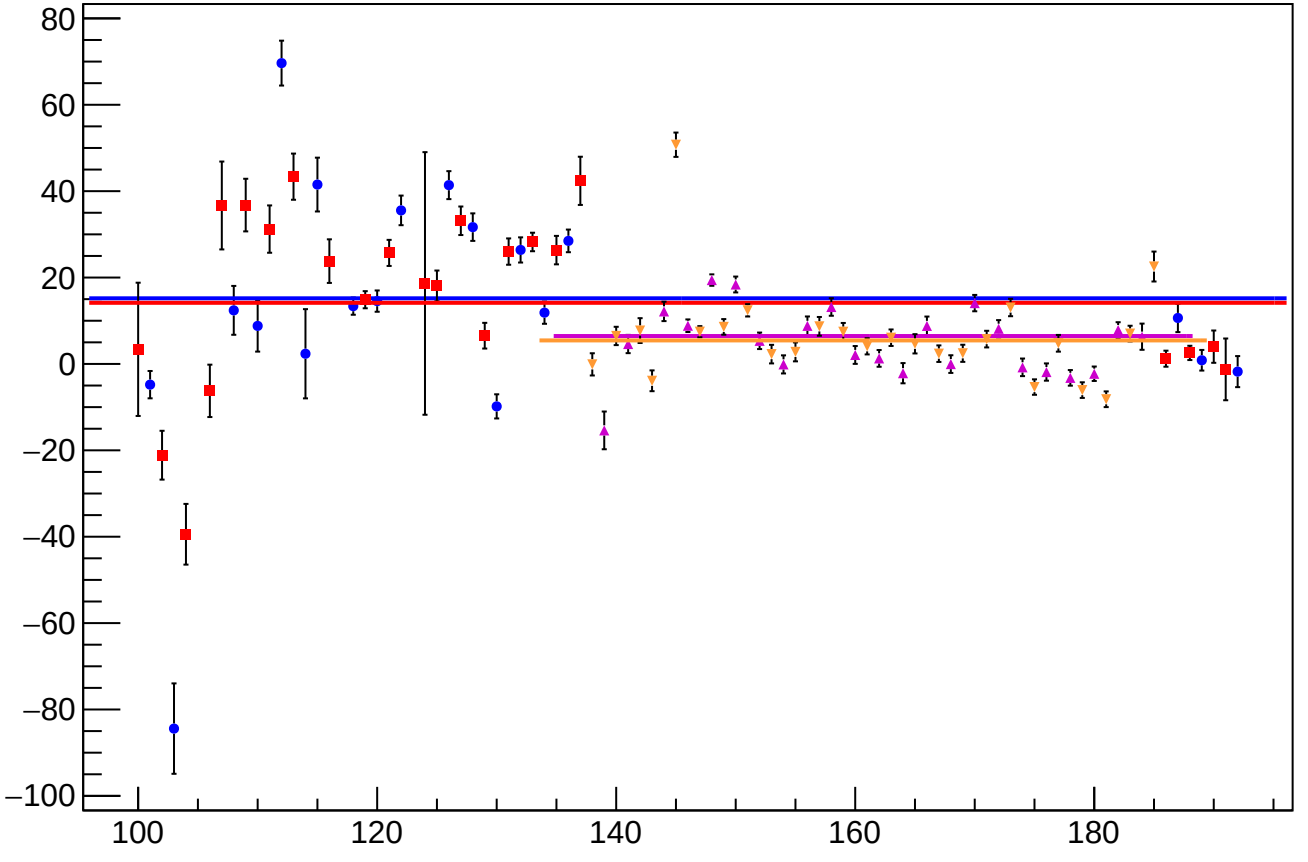
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -13.736+/-0.417 χ^2/NDF: 5120.8/43

All: -13.217+/-0.289 χ^2/NDF: 11633.8/89

- sign -12.739+/-0.401 χ^2/NDF: 6510.1/45

reg_asym_atl1_diff_bpm4aY_slope vs Slug



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

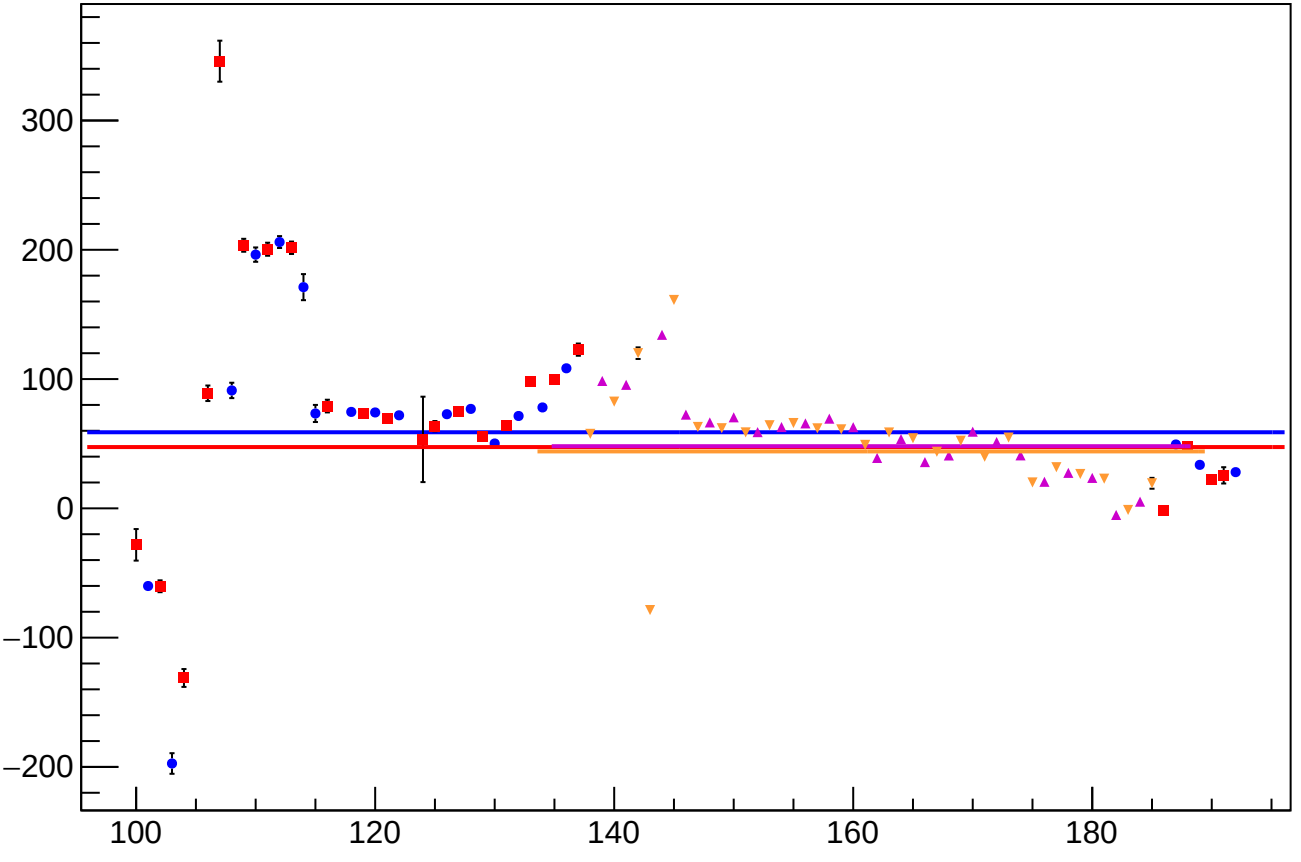
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 7.595+/-0.348 χ^2/NDF: 1200.7/43

All: 8.010+/-0.247 χ^2/NDF: 2064.6/89

- sign 8.435+/-0.352 χ^2/NDF: 861.0/45

reg_asym_atl1_diff_bpm4eX_slope vs Slug



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

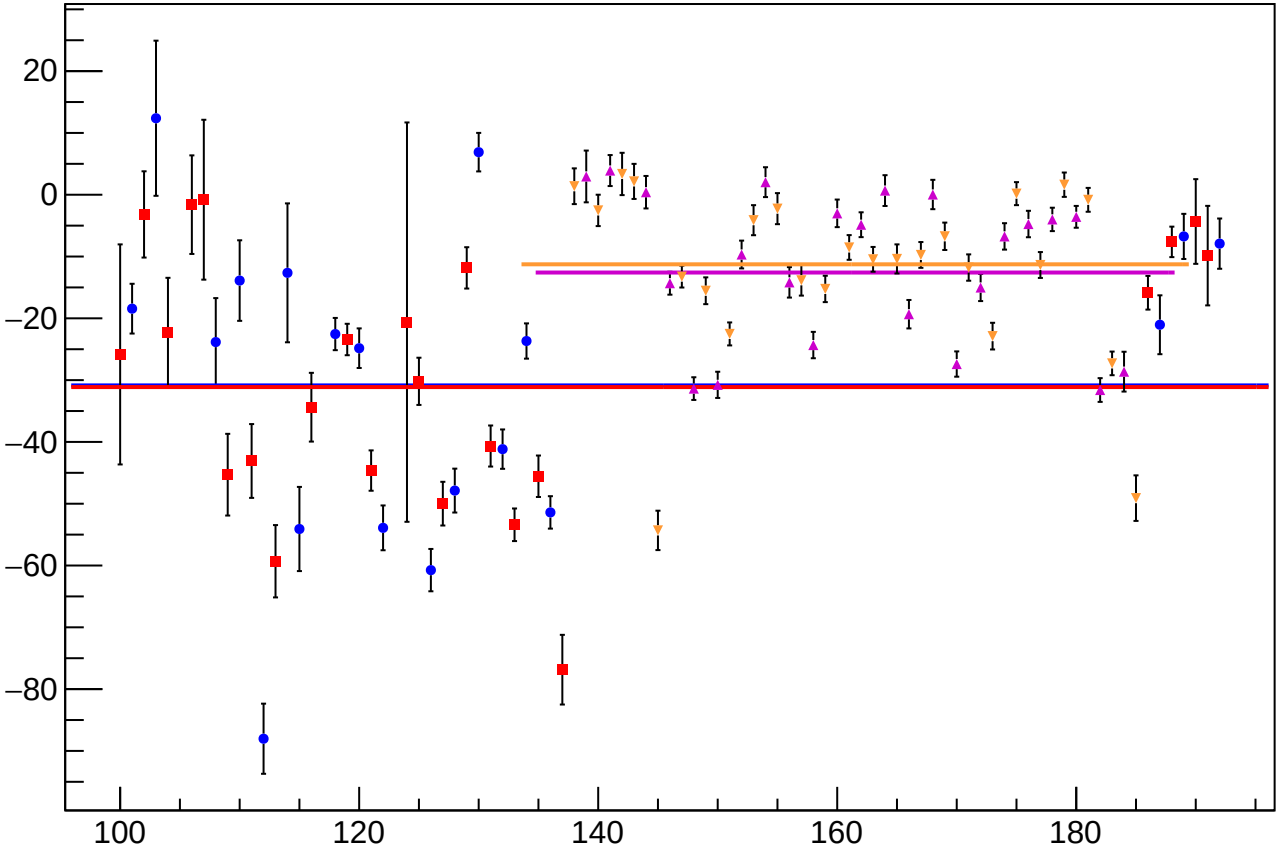
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 48.997+/-0.416 χ^2/NDF: 10177.3/43

All: 48.346+/-0.284 χ^2/NDF: 20962.9/89

- sign 47.779+/-0.388 χ^2/NDF: 10781.0/45

reg_asym_atl1_diff_bpm4eY_slope vs Slug



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

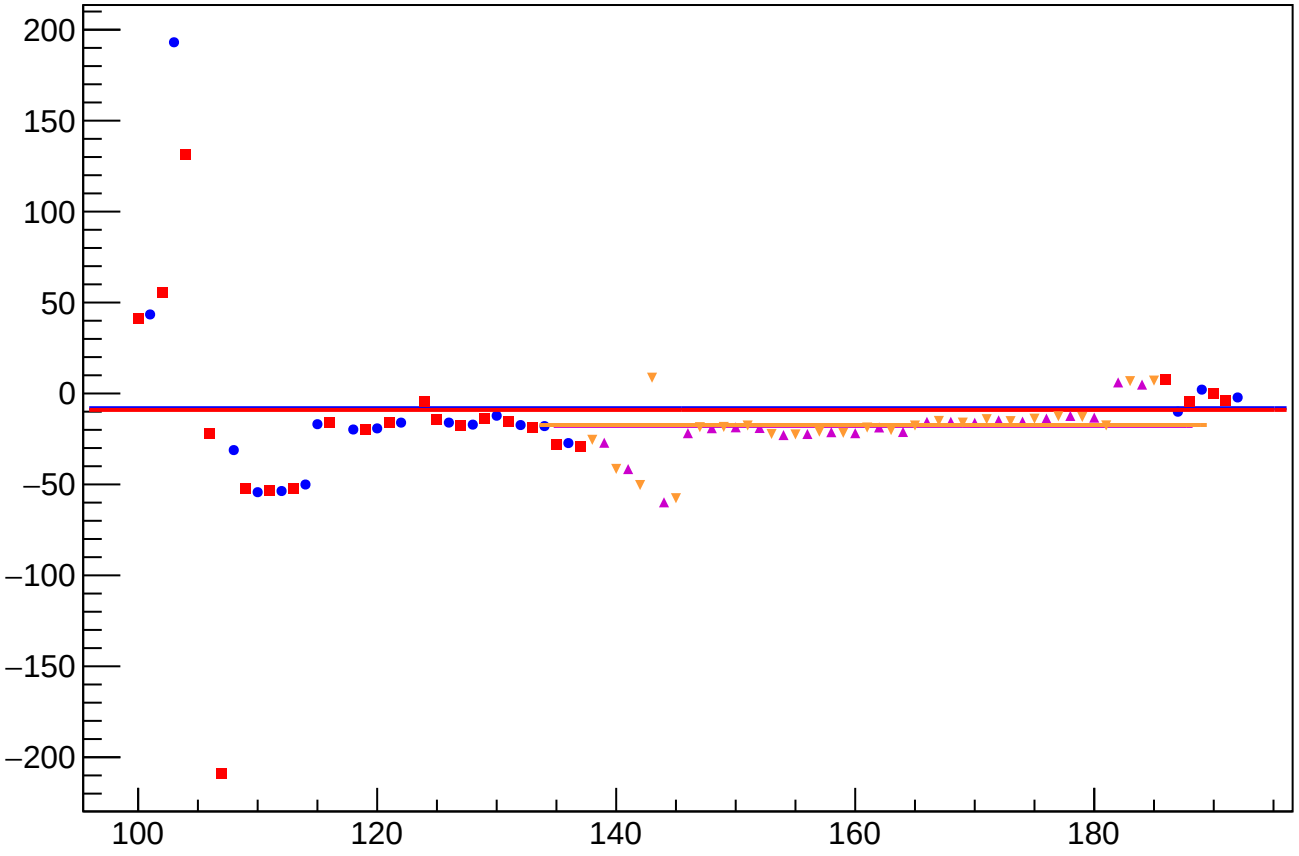
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -15.285+/-0.397 χ^2/NDF: 1644.3/43

All: -15.971+/-0.283 χ^2/NDF: 3147.9/89

- sign -16.687+/-0.405 χ^2/NDF: 1497.5/45

reg_asym_atl1_diff_bpm12X_slope vs Slug



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

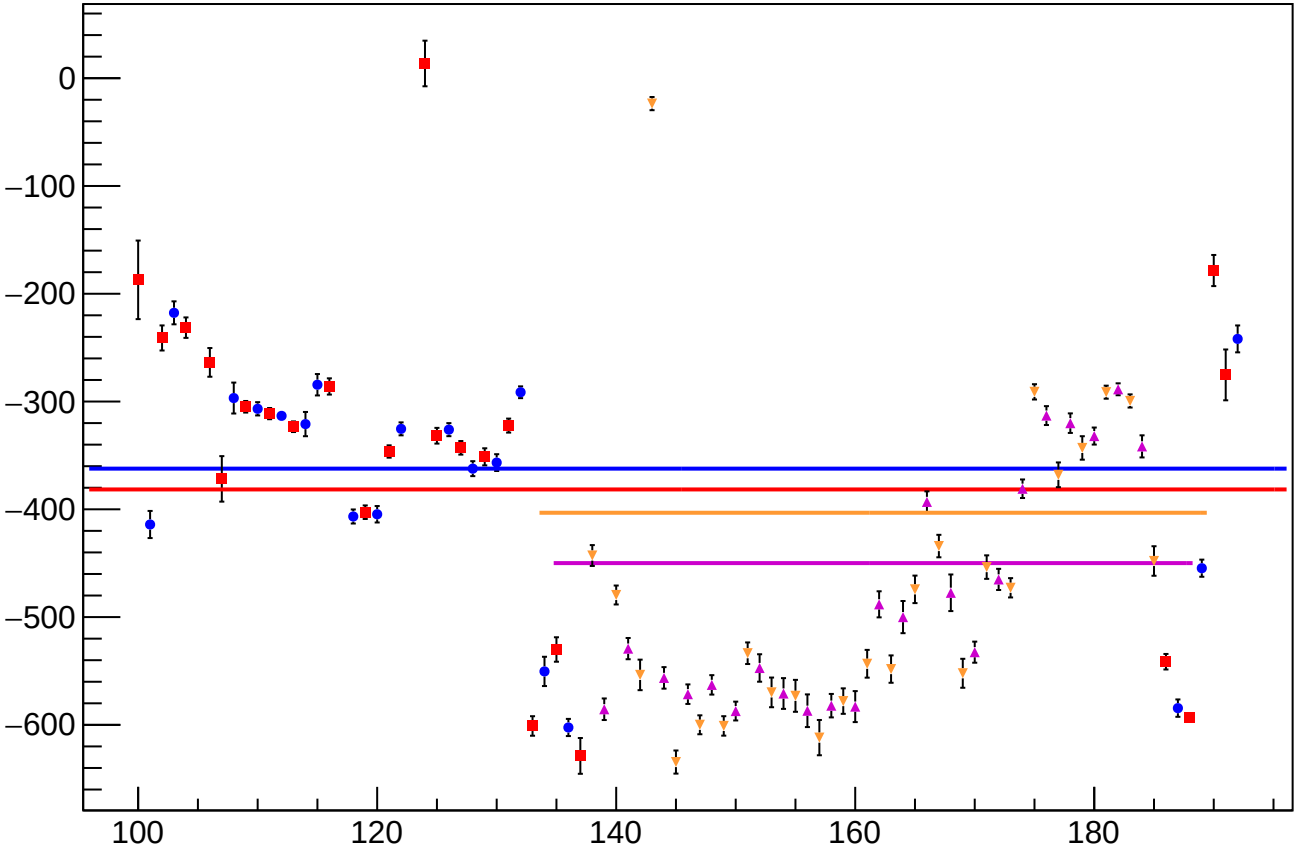
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -15.999+/-0.018 χ^2/NDF: 908714.9/43

All: -16.306+/-0.013 χ^2/NDF: 1667365.5/89

- sign -16.626+/-0.019 χ^2/NDF: 758086.6/45

reg_asym_atl2_diff_bpm1X_slope vs Slug



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

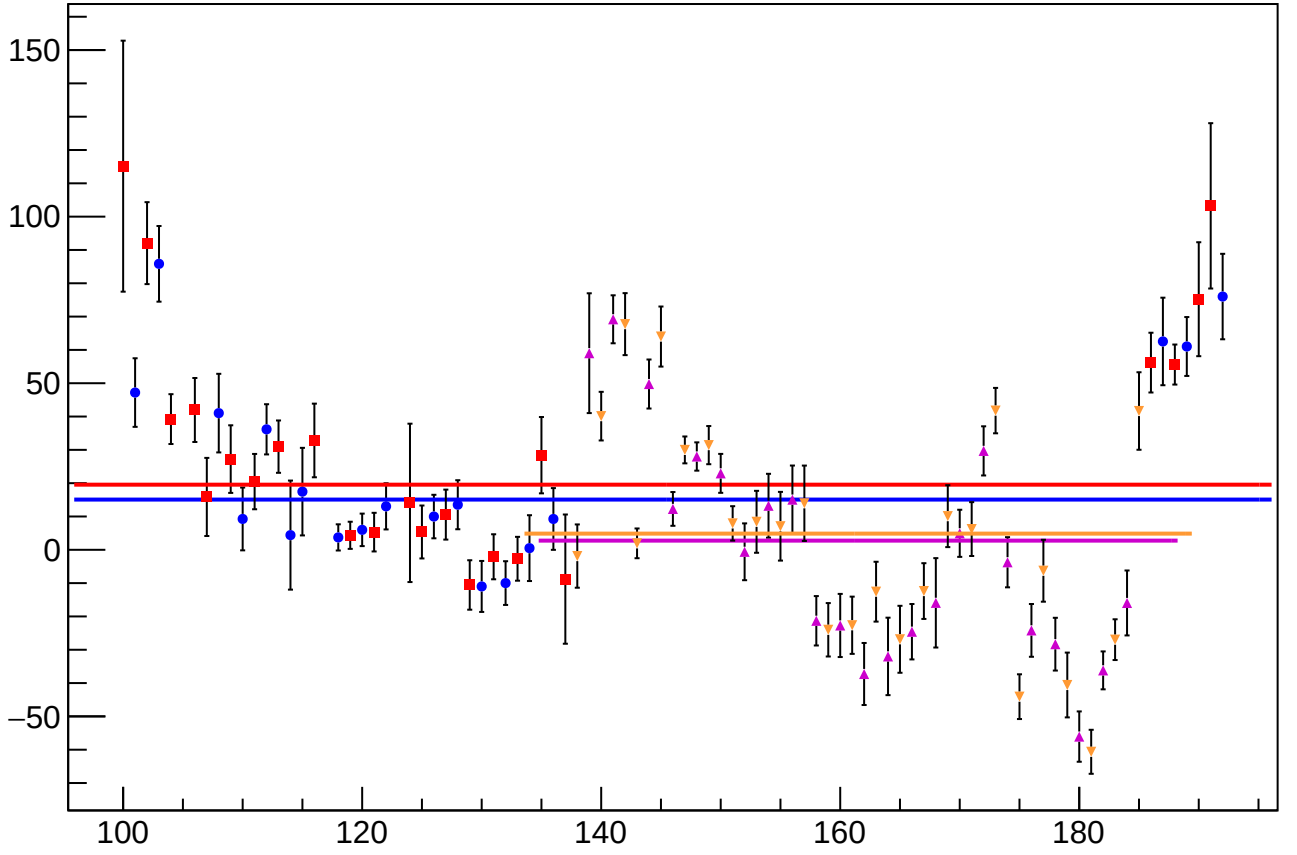
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -380.407+/-1.283 χ^2/NDF: 10903.4/43

All: -394.102+/-0.894 χ^2/NDF: 20931.1/89

- sign -407.038+/-1.247 χ^2/NDF: 9806.2/45

reg_asym_atl2_diff_bpm4aY_slope vs Slug



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

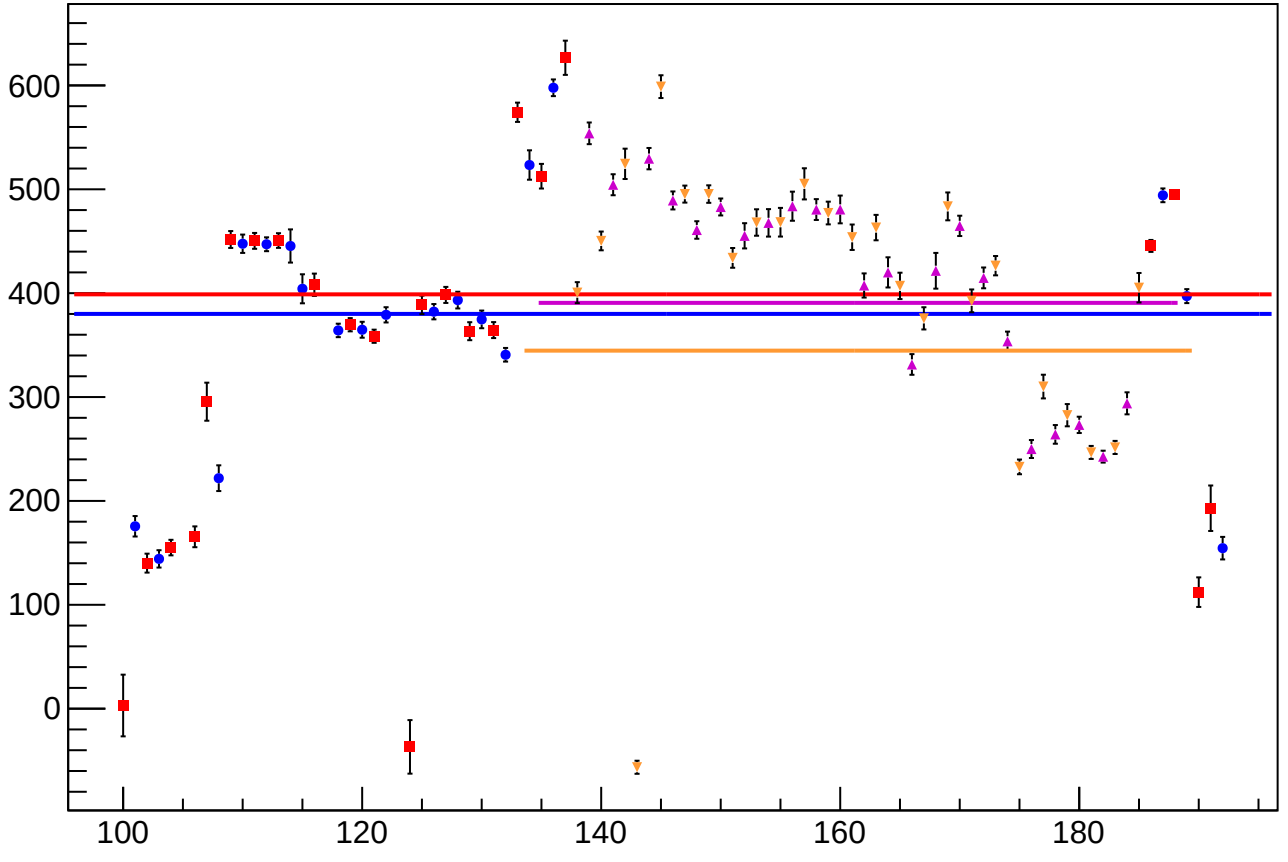
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 8.951+/-1.120 χ^2/NDF: 643.2/43

All: 9.595+/-0.804 χ^2/NDF: 1293.8/89

- sign 10.280+/-1.155 χ^2/NDF: 649.9/45

reg_asym_atl2_diff_bpm4eX_slope vs Slug



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

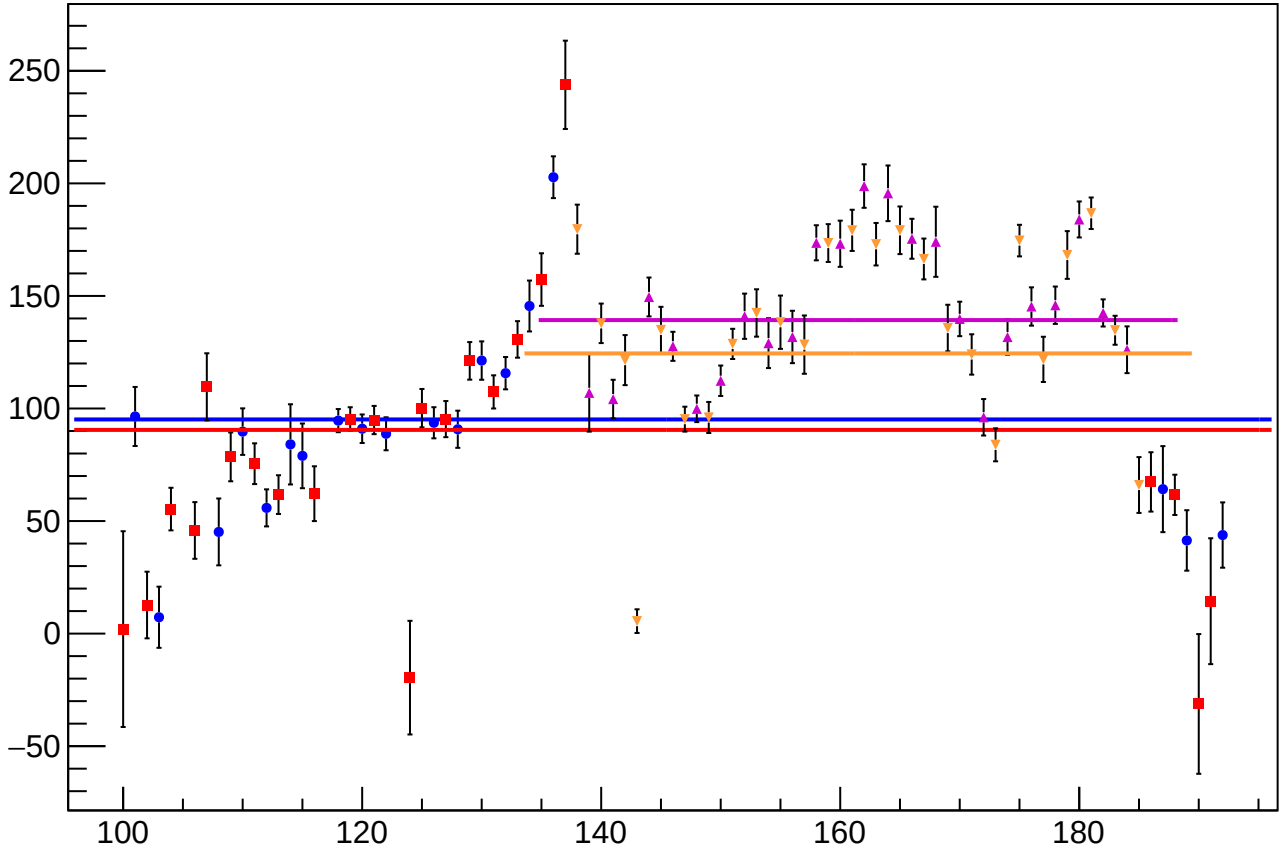
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 362.661+/-1.349 χ^2/NDF: 10639.5/43

All: 379.858+/-0.932 χ^2/NDF: 18756.1/89

- sign 395.565+/-1.289 χ^2/NDF: 7805.5/45

reg_asym_atl2_diff_bpm4eY_slope vs Slug



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

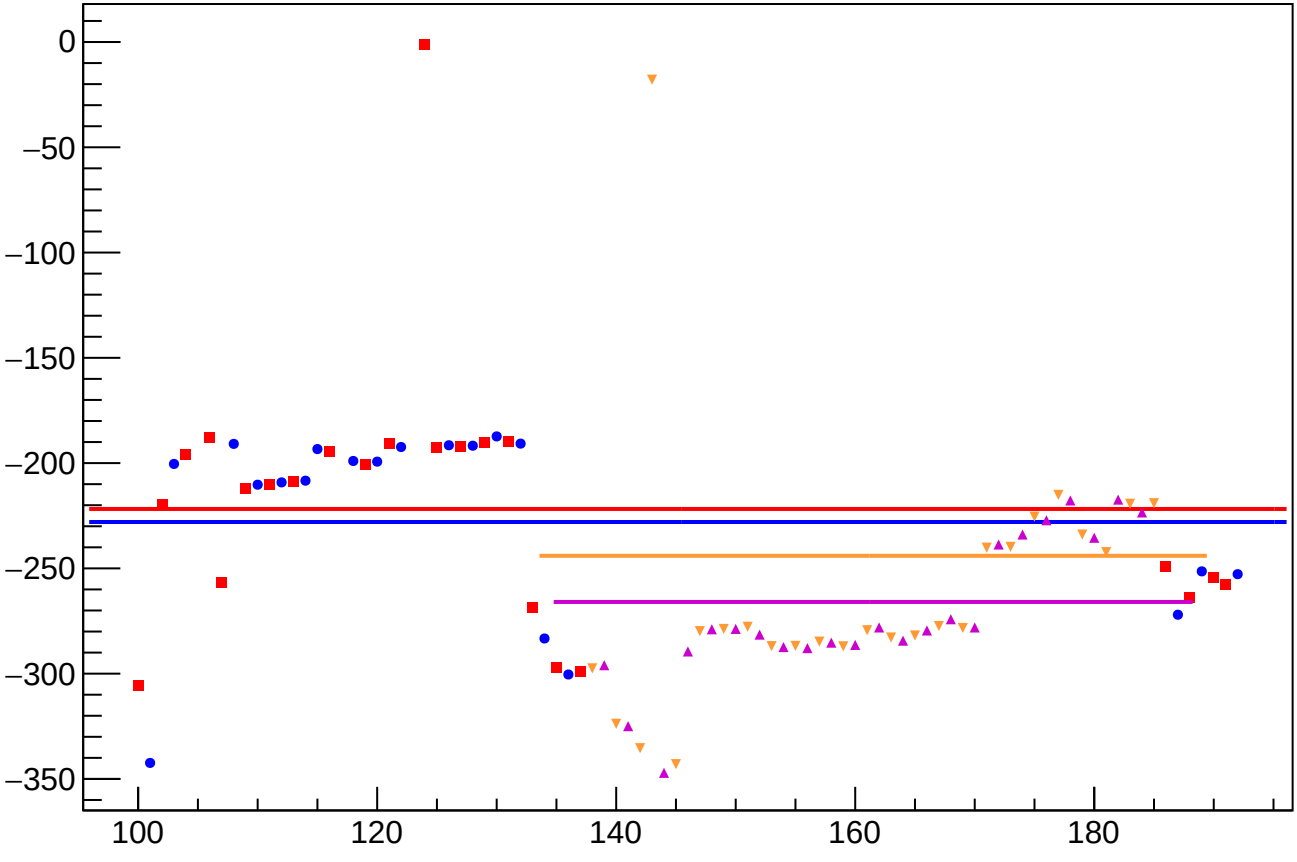
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 113.057+/-1.299 χ^2/NDF: 1341.2/43

All: 115.641+/-0.932 χ^2/NDF: 2211.5/89

- sign 118.383+/-1.338 χ^2/NDF: 862.2/45

reg_asym_atl2_diff_bpm12X_slope vs Slug



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

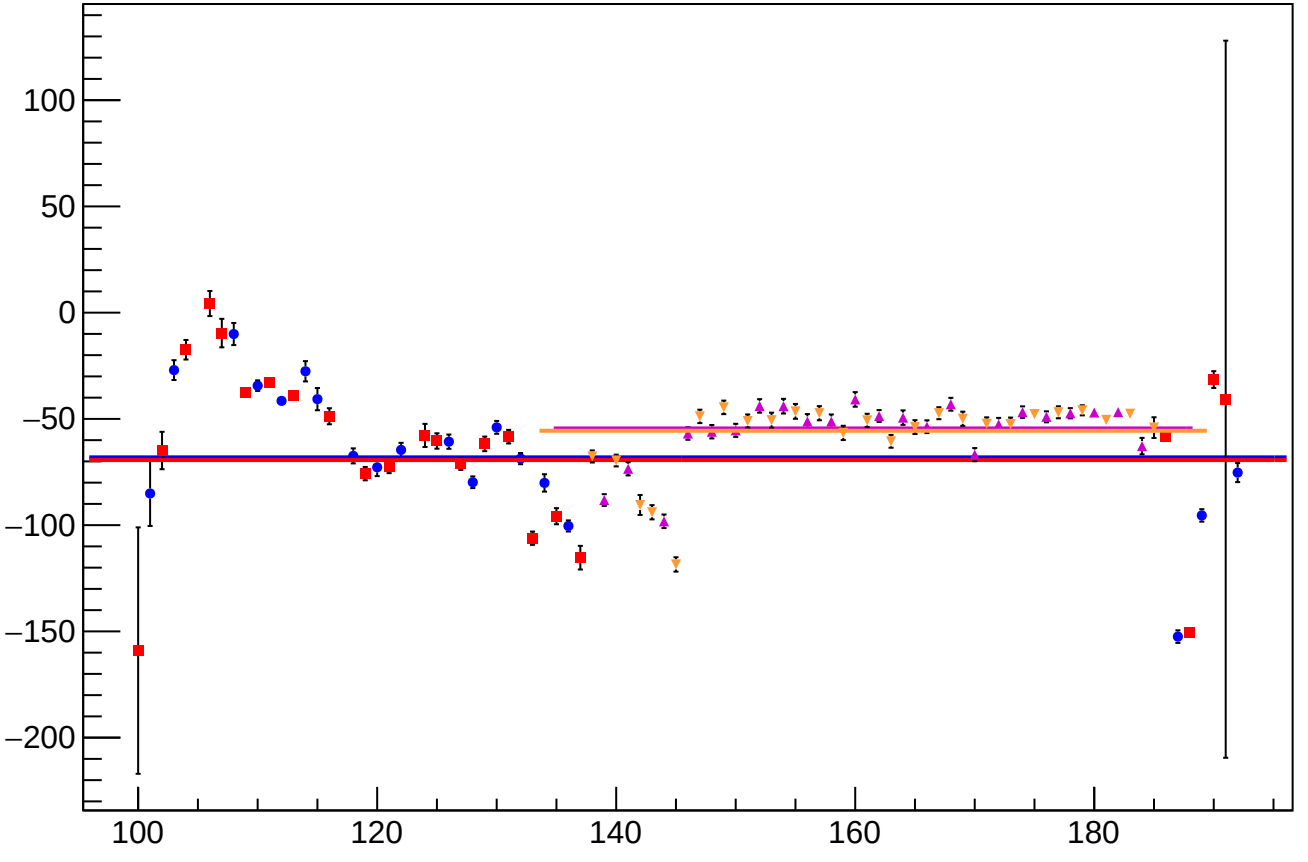
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -239.740+/-0.066 χ^2/NDF: 1138193.6/43

All: -246.214+/-0.047 χ^2/NDF: 1512446.5/89

- sign -252.972+/-0.068 χ^2/NDF: 354714.0/45

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

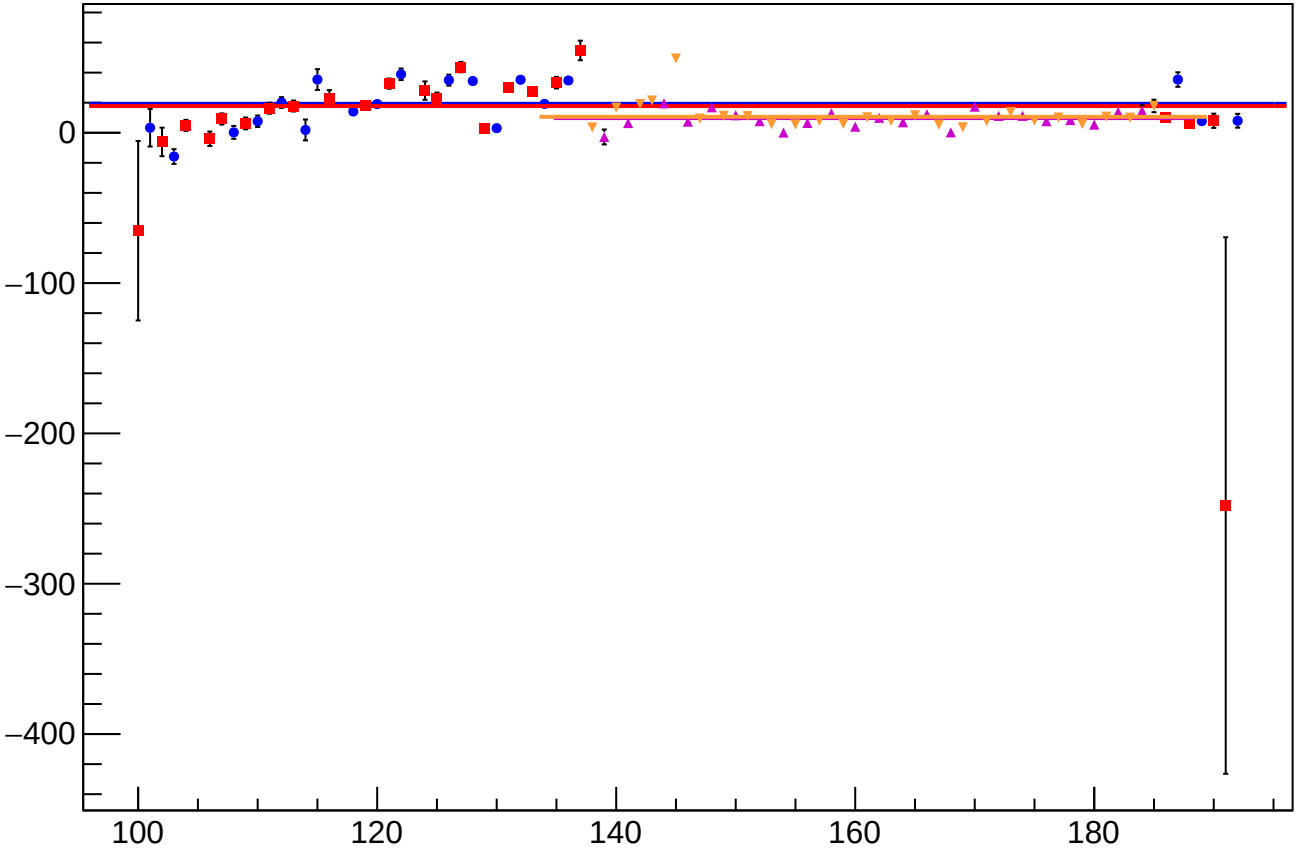
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

+ sign -60.291+/-0.466 χ^2/NDF: 2606.5/43

All: -60.840+/-0.322 χ^2/NDF: 7098.5/89

- sign -61.342+/-0.446 χ^2/NDF: 4489.3/45

reg_asym_atr1_diff_bpm4aY_slope vs Slug



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

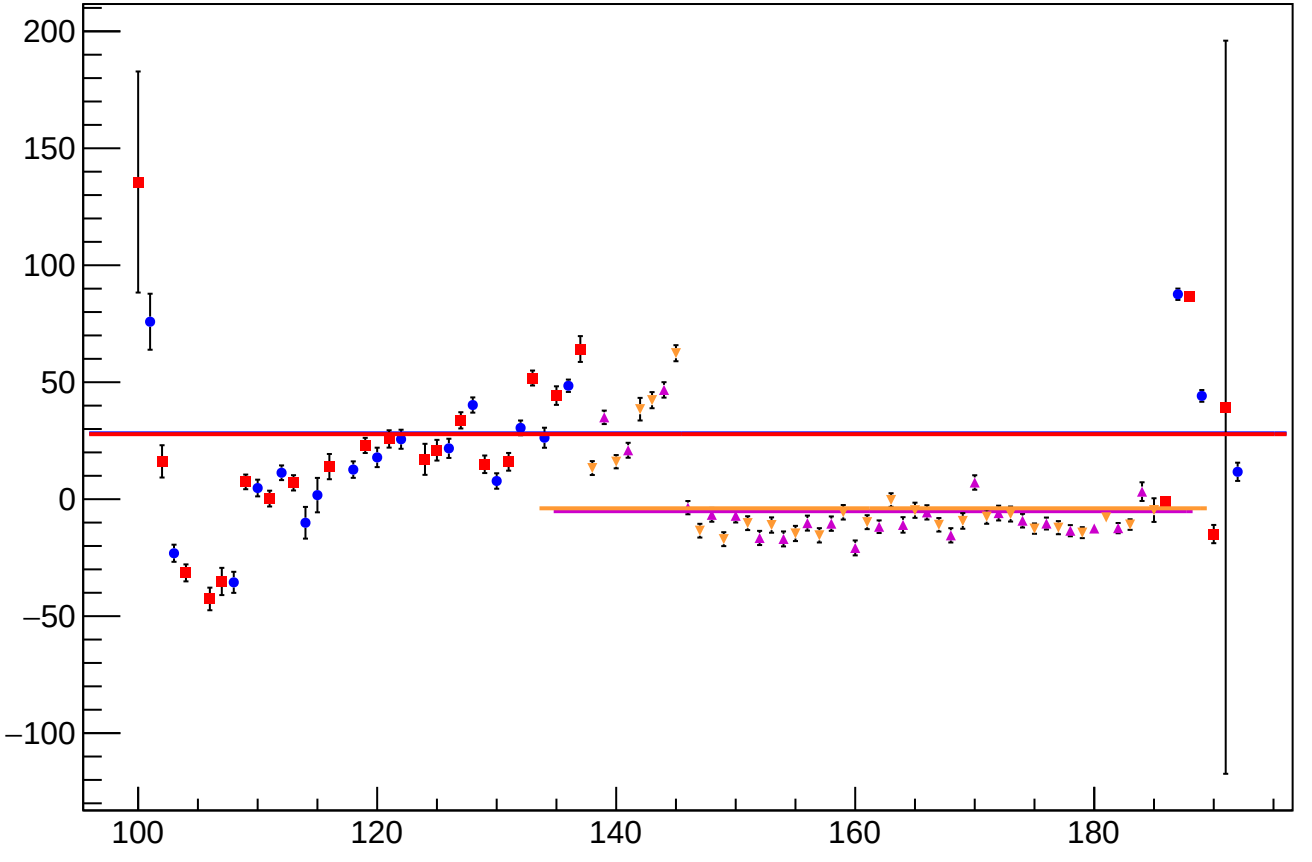
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.626+/-0.393 χ^2/NDF: 619.2/43

All: 12.336+/-0.279 χ^2/NDF: 1103.7/89

- sign 12.044+/-0.395 χ^2/NDF: 483.4/45

reg_asym_atr1_diff_bpm4eX_slope vs Slug



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

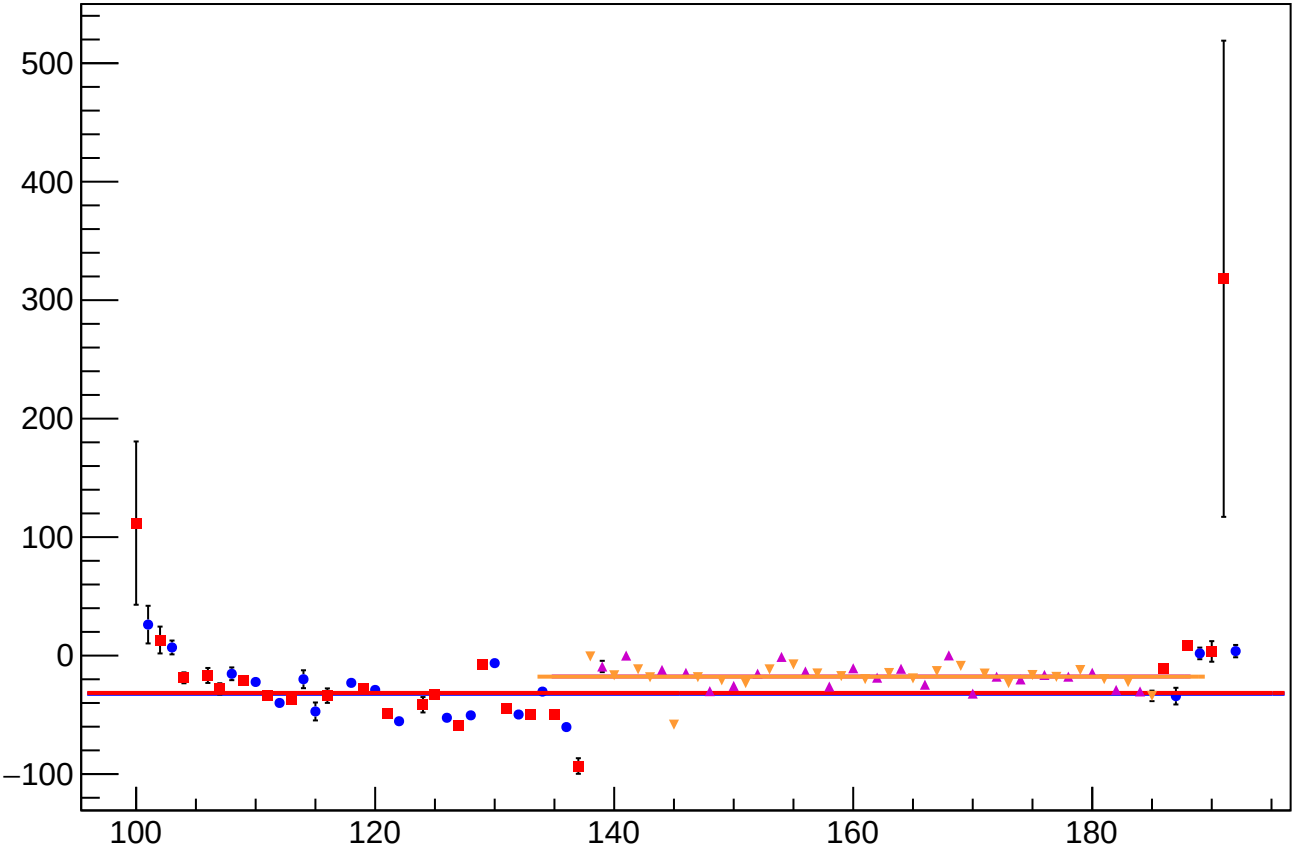
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 6.908+/-0.476 χ^2/NDF: 3186.8/43

All: 8.279+/-0.326 χ^2/NDF: 8443.4/89

- sign 9.488+/-0.447 χ^2/NDF: 5241.0/45

reg_asym_atr1_diff_bpm4eY_slope vs Slug



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

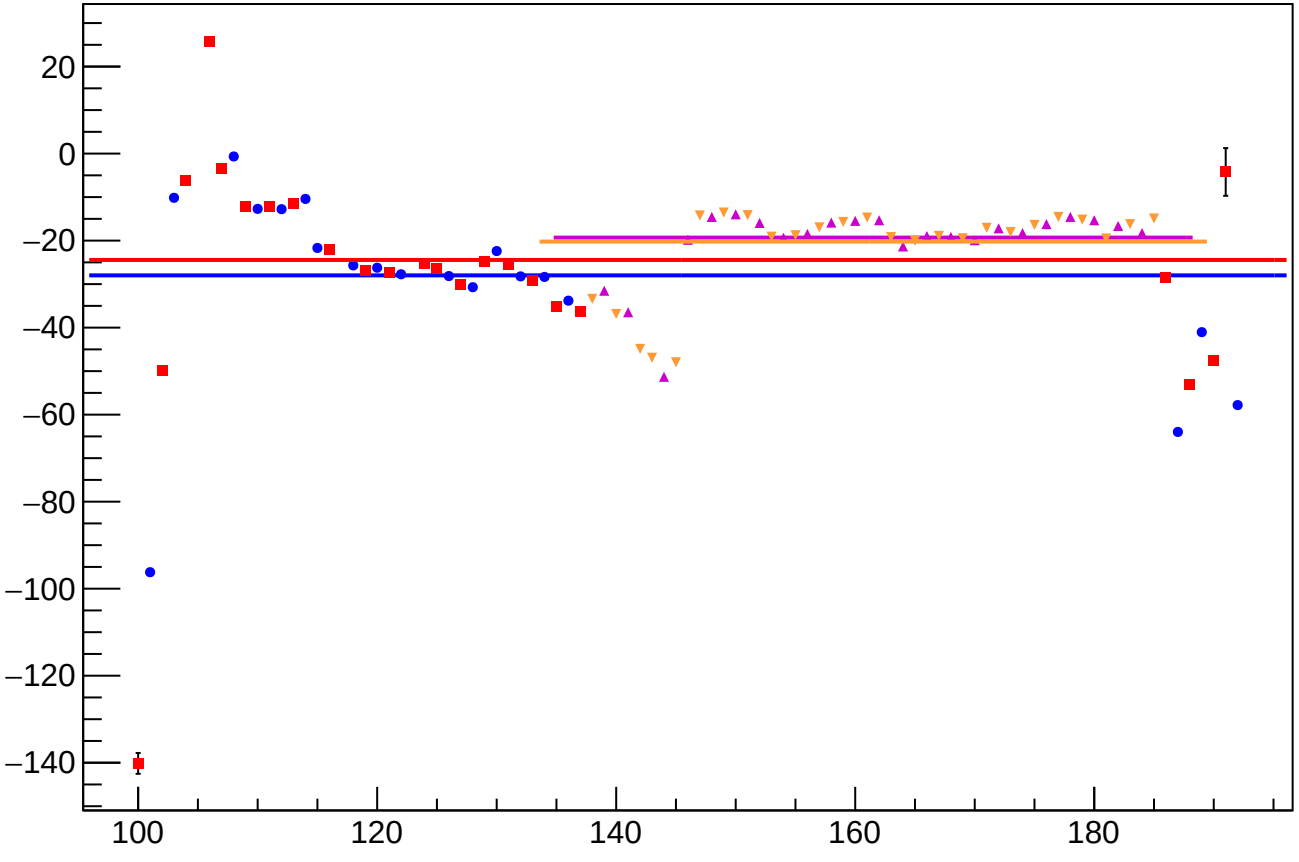
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -21.025+/-0.448 χ^2/NDF: 883.1/43

All: -21.117+/-0.319 χ^2/NDF: 1870.7/89

- sign -21.212+/-0.453 χ^2/NDF: 987.5/45

reg_asym_atr1_diff_bpm12X_slope vs Slug



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

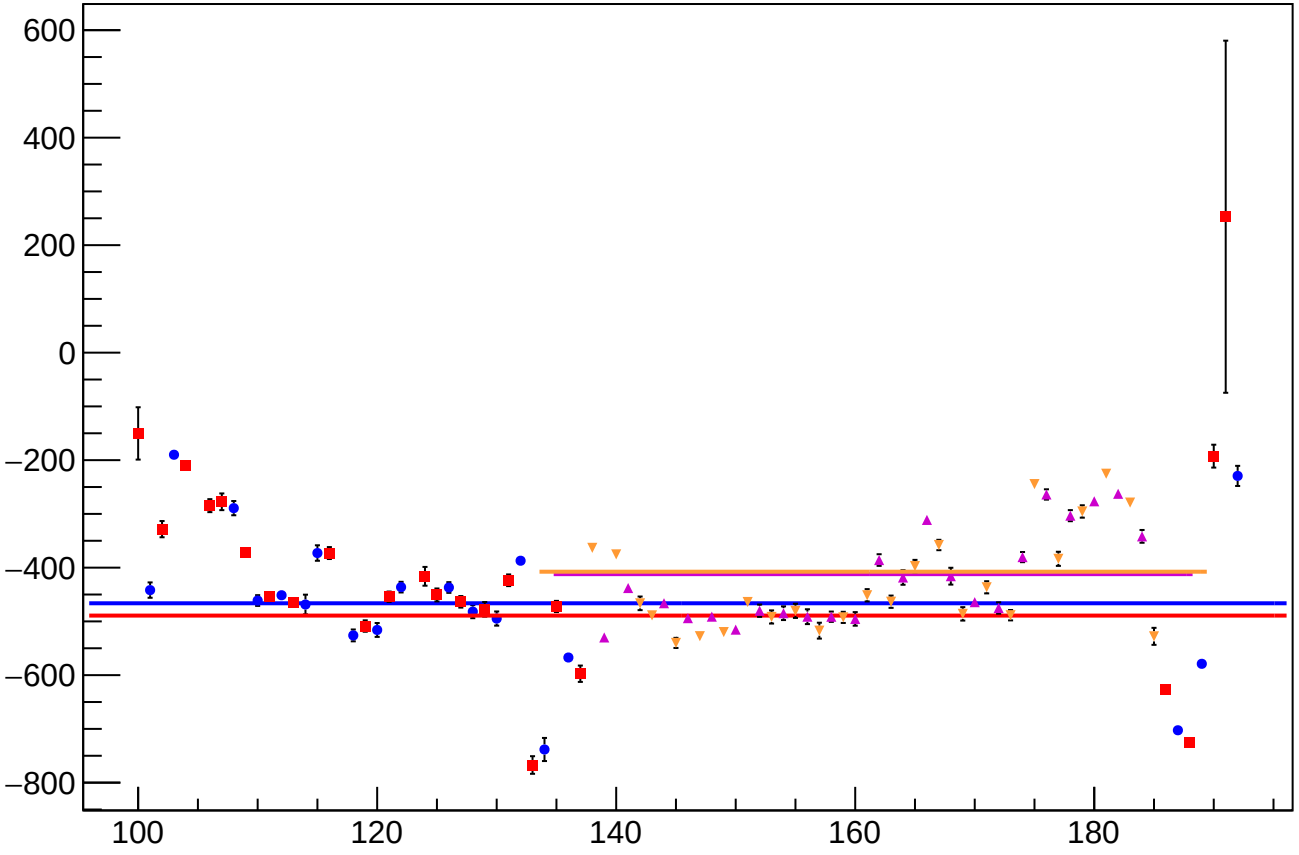
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -21.460+/-0.021 χ^2/NDF: 266813.5/43

All: -20.805+/-0.015 χ^2/NDF: 495969.0/89

- sign -20.126+/-0.021 χ^2/NDF: 227165.1/45

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

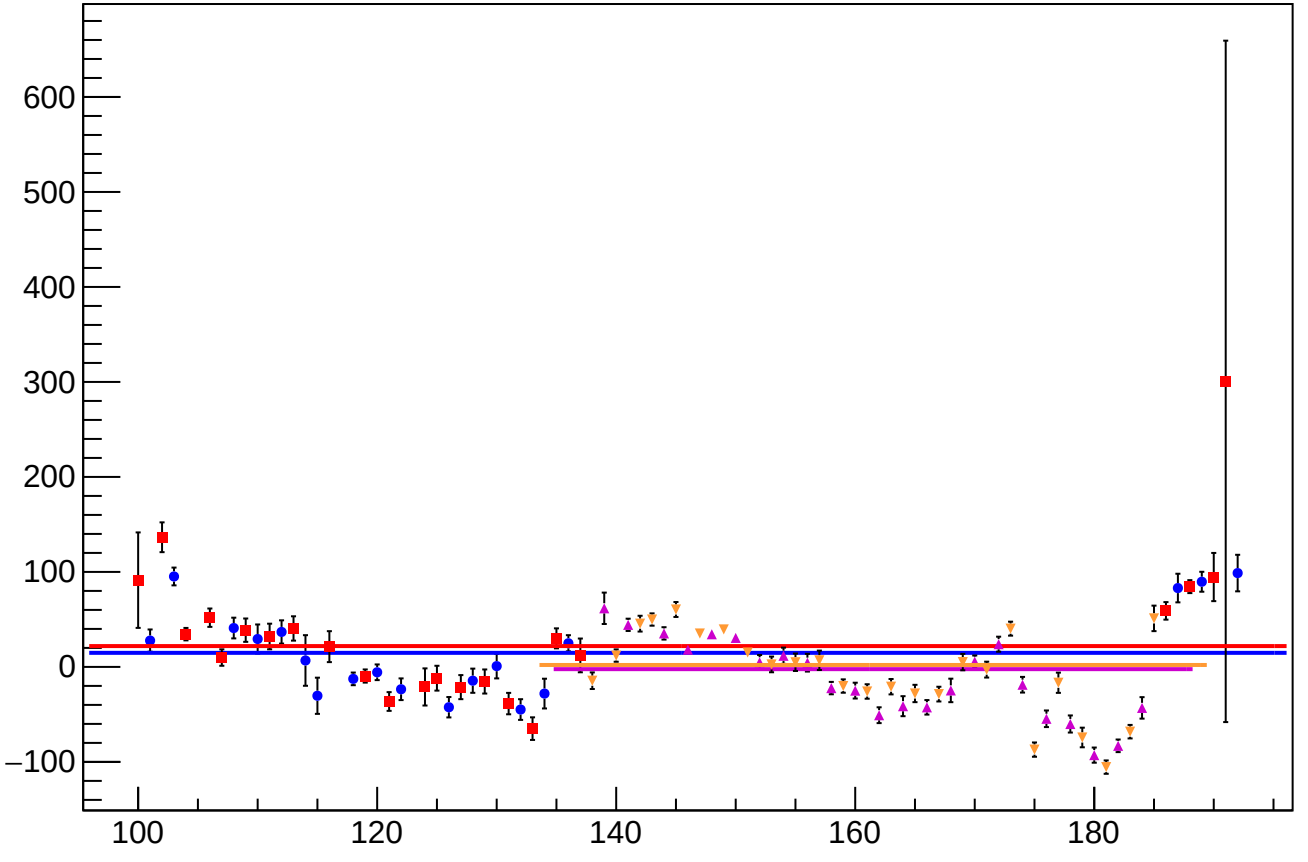
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -430.208+/-1.529 χ^2/NDF: 5844.7/43

All: -439.582+/-1.058 χ^2/NDF: 14198.8/89

- sign -448.183+/-1.465 χ^2/NDF: 8282.0/45

reg_asym_atr2_diff_bpm4aY_slope vs Slug



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

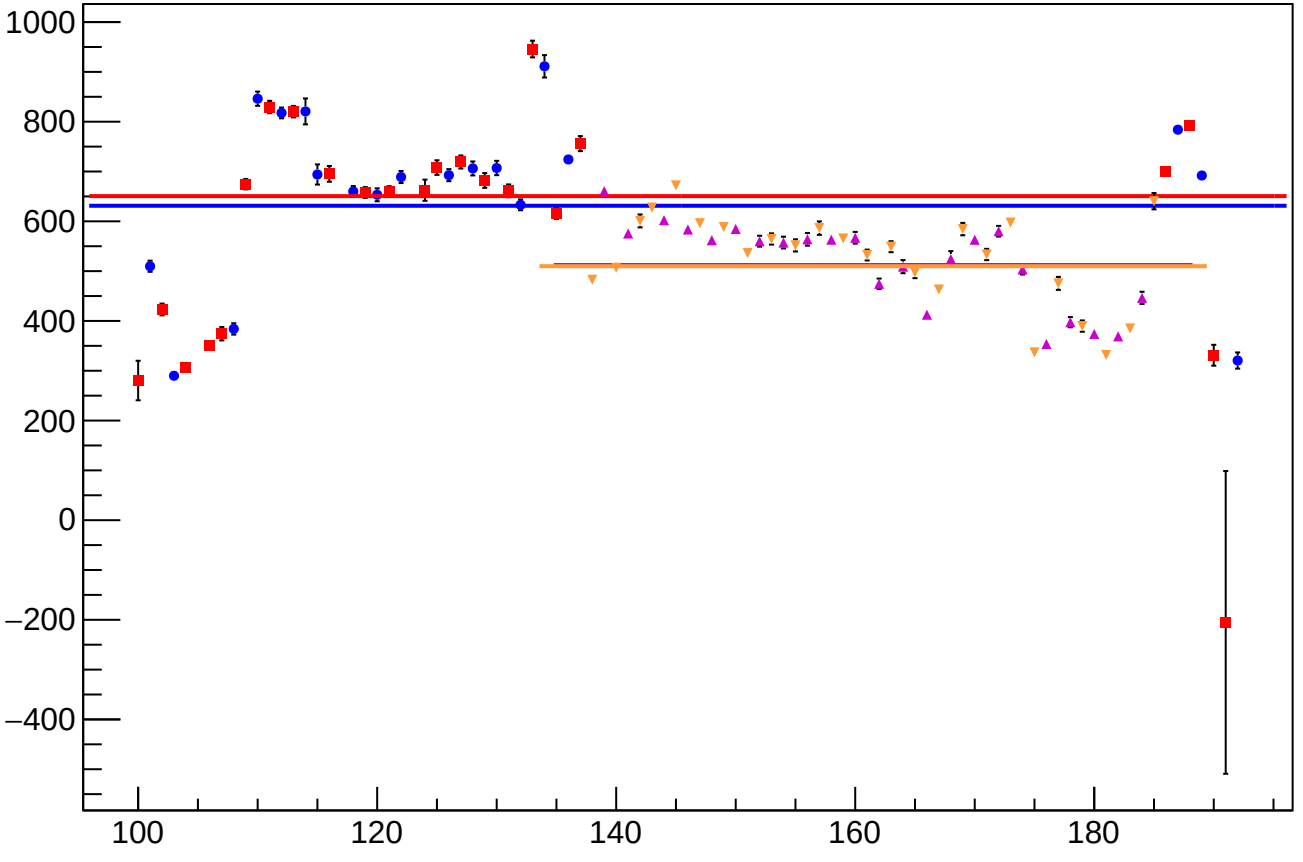
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 5.030+/-1.248 χ^2/NDF: 1219.0/43

All: 4.881+/-0.882 χ^2/NDF: 2385.7/89

- sign 4.733+/-1.247 χ^2/NDF: 1166.7/45

reg_asym_atr2_diff_bpm4eX_slope vs Slug



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

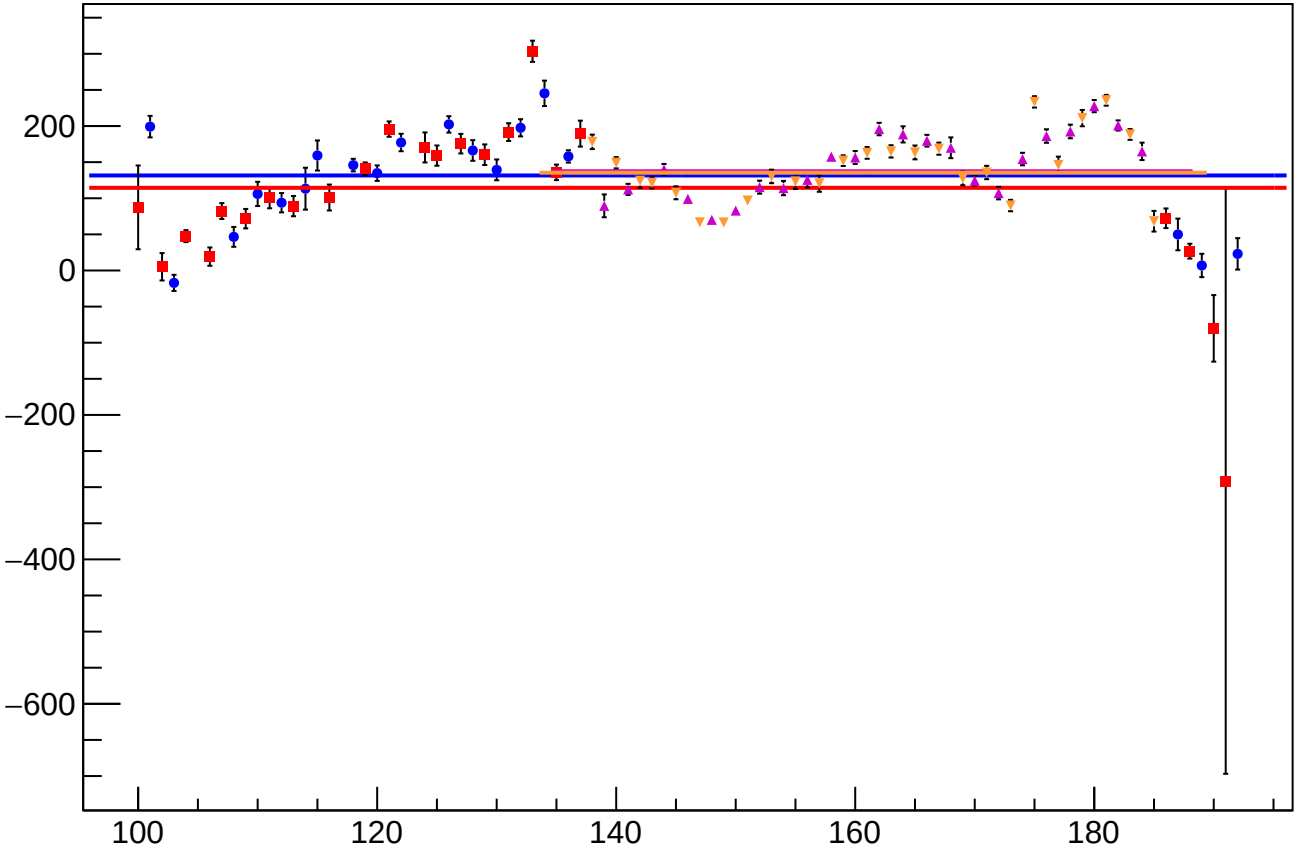
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

\+ sign 554.867+/-1.536 χ^2/NDF: 8888.1/43

All: 566.800+/-1.052 χ^2/NDF: 20479.7/89

\- sign 577.346+/-1.444 χ^2/NDF: 11478.0/45

reg_asym_atr2_diff_bpm4eY_slope vs Slug



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

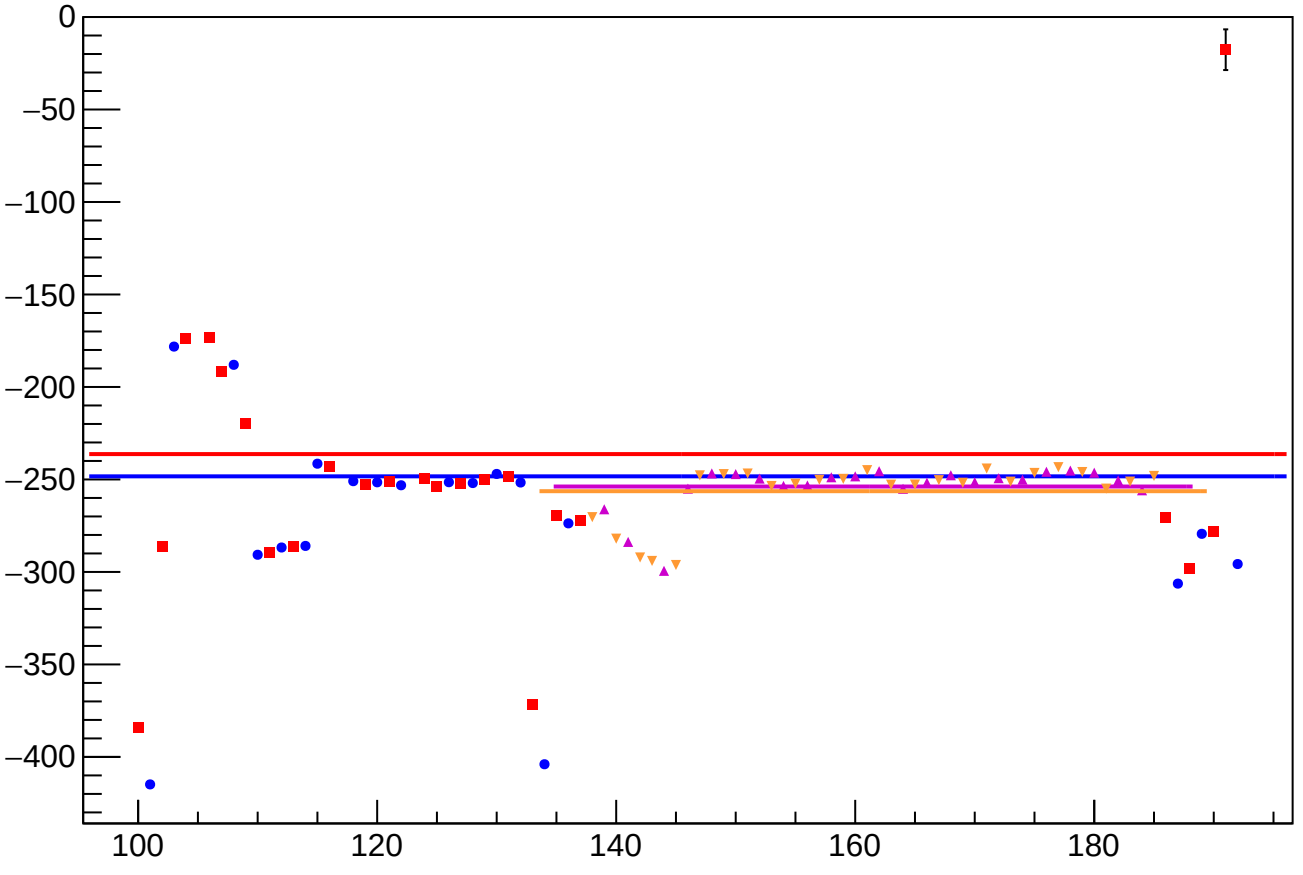
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 134.534+/-1.449 χ^2/NDF: 1415.6/43

All: 132.861+/-1.026 χ^2/NDF: 2794.8/89

- sign 131.176+/-1.454 χ^2/NDF: 1376.5/45

reg_asym_atr2_diff_bpm12X_slope vs Slug



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

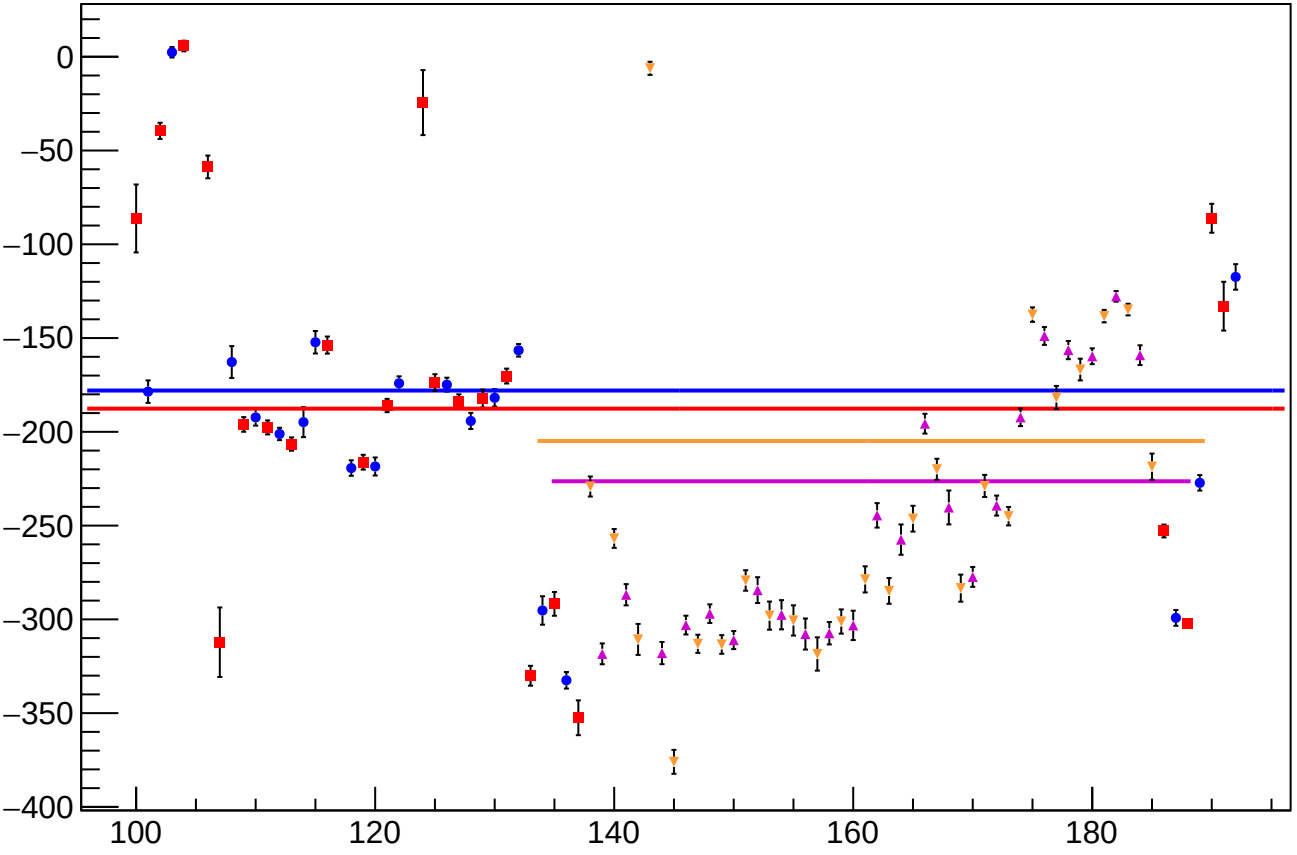
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -254.735+/-0.069 χ^2/NDF: 224692.1/43

All: -252.401+/-0.049 χ^2/NDF: 380505.9/89

- sign -250.058+/-0.069 χ^2/NDF: 153511.1/45

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

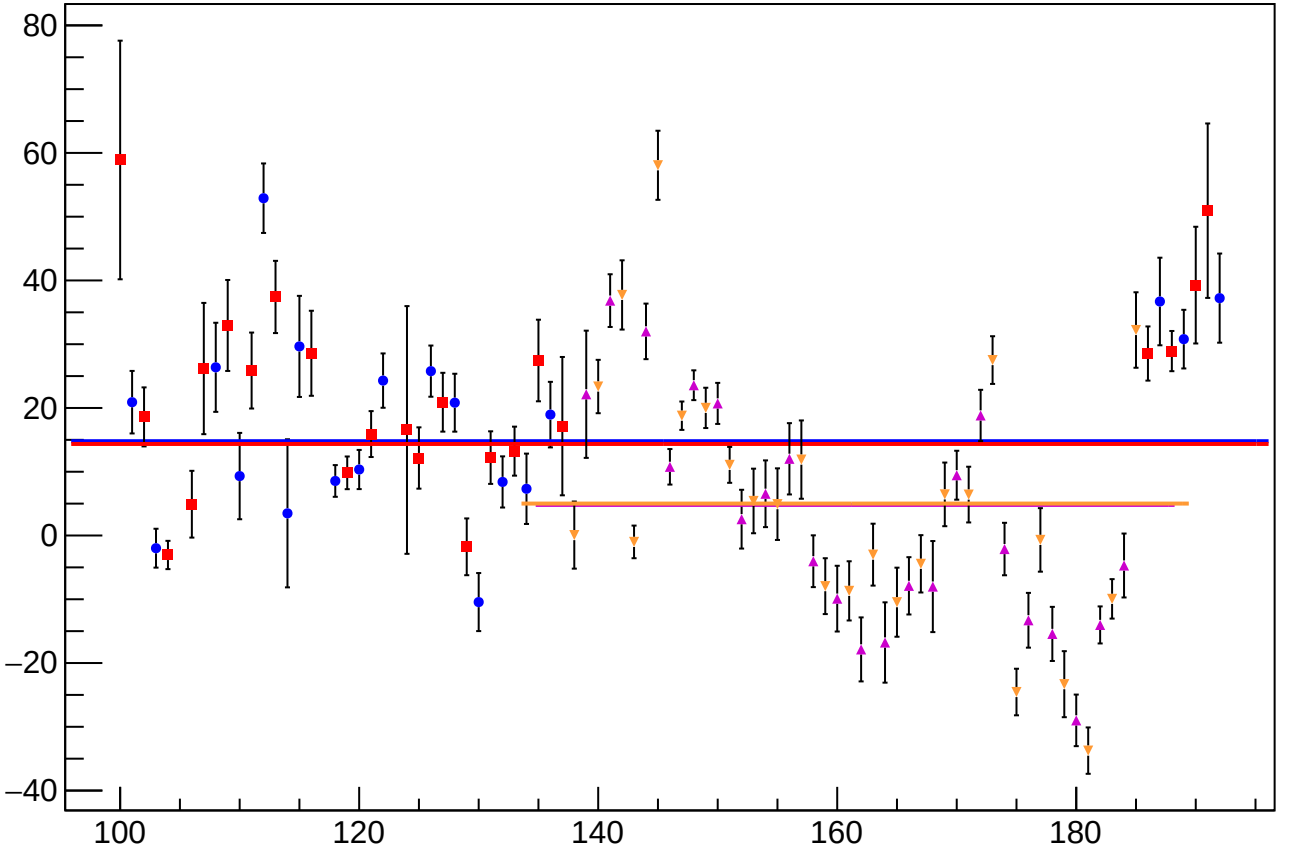
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -190.754+/-0.725 χ^2/NDF: 15204.5/43

All: -197.179+/-0.503 χ^2/NDF: 31334.4/89

- sign -203.170+/-0.700 χ^2/NDF: 15978.0/45

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



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

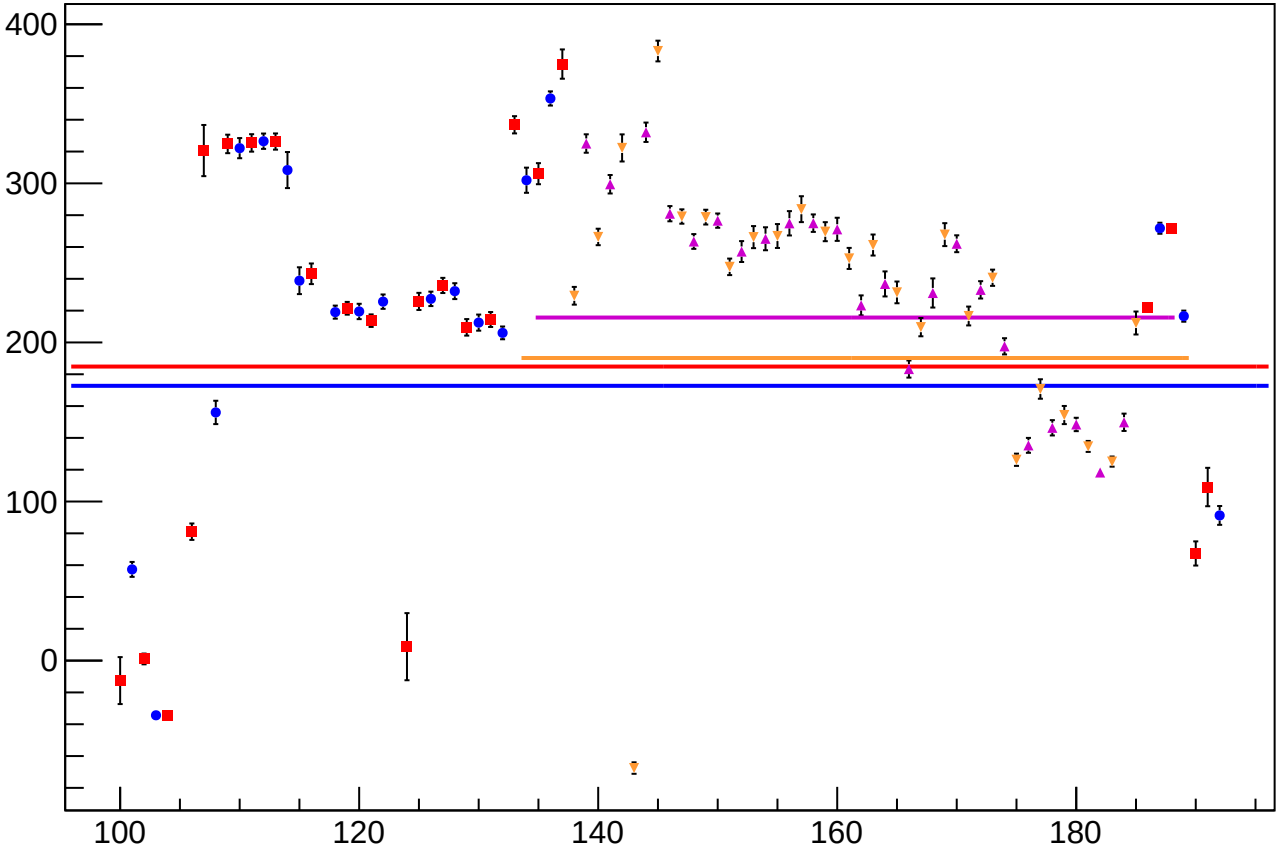
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 8.671+/-0.627 χ^2/NDF: 785.0/43

All: 8.846+/-0.445 χ^2/NDF: 1442.5/89

- sign 9.024+/-0.632 χ^2/NDF: 657.3/45

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



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

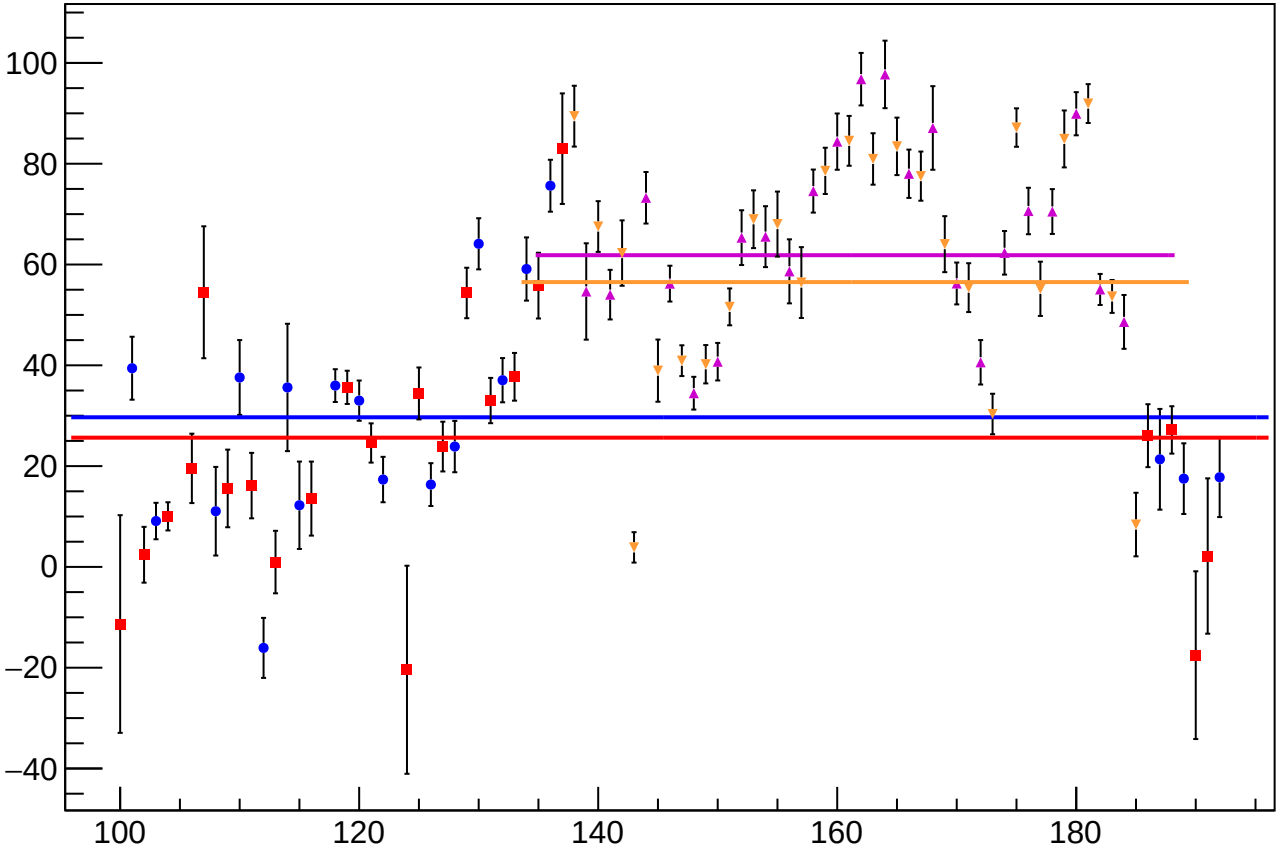
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 181.207+/-0.731 χ^2/NDF: 24756.5/43

All: 189.555+/-0.502 χ^2/NDF: 49343.6/89

- sign 196.980+/-0.689 χ^2/NDF: 24340.7/45

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



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

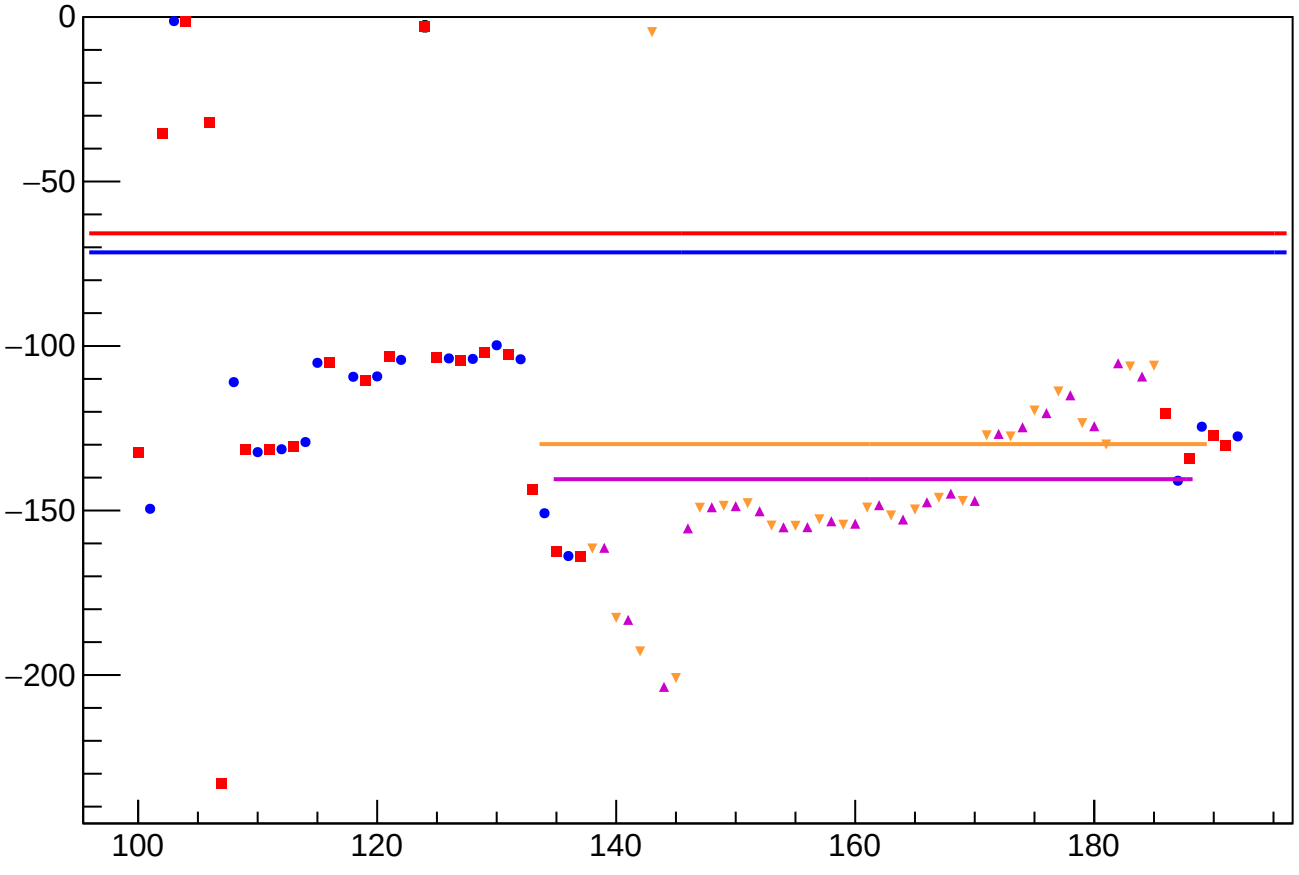
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

\+ sign 46.848+/-0.727 χ^2/NDF: 1396.0/43

All: 46.889+/-0.518 χ^2/NDF: 2498.0/89

\- sign 46.931+/-0.737 χ^2/NDF: 1102.0/45

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



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

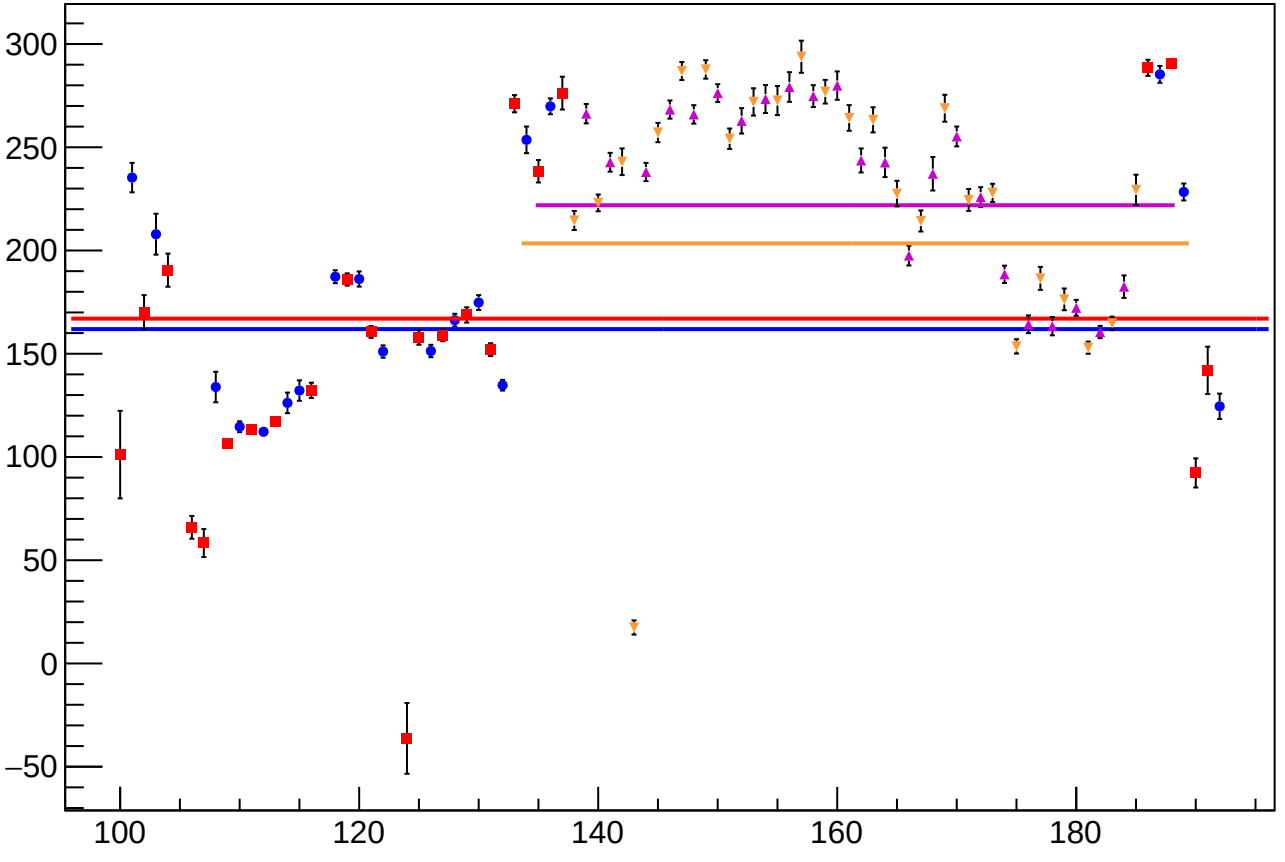
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -110.655+/-0.035 χ^2/NDF: 2803853.8/43

All: -112.227+/-0.025 χ^2/NDF: 5131714.6/89

- sign -113.843+/-0.035 χ^2/NDF: 2323660.8/45

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

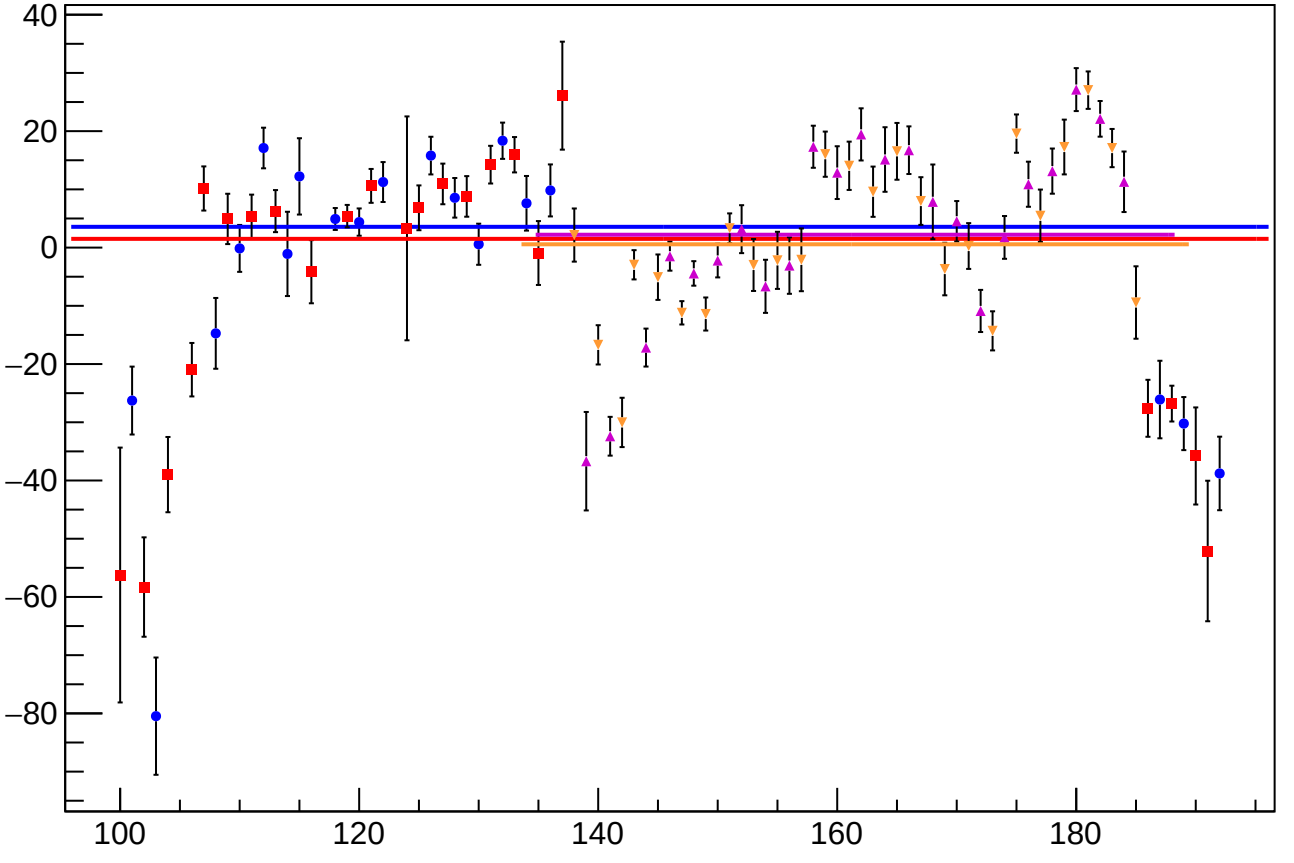
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 179.714+/-0.624 χ^2/NDF: 10153.3/43

All: 183.370+/-0.433 χ^2/NDF: 22072.7/89

- sign 186.773+/-0.602 χ^2/NDF: 11853.1/45

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



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

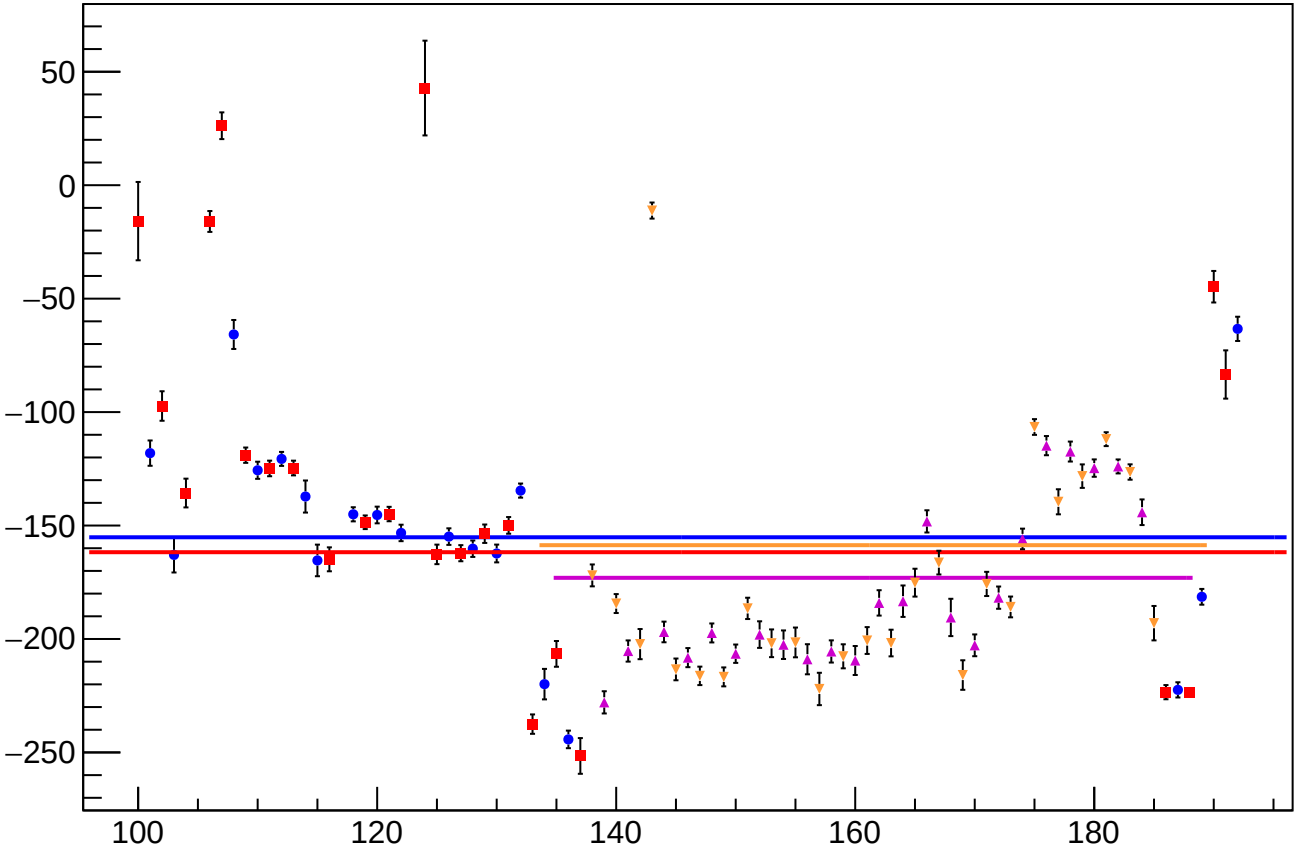
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 1.799+/-0.550 χ^2/NDF: 643.5/43

All: 1.843+/-0.393 χ^2/NDF: 1363.7/89

- sign 1.889+/-0.562 χ^2/NDF: 720.2/45

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



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

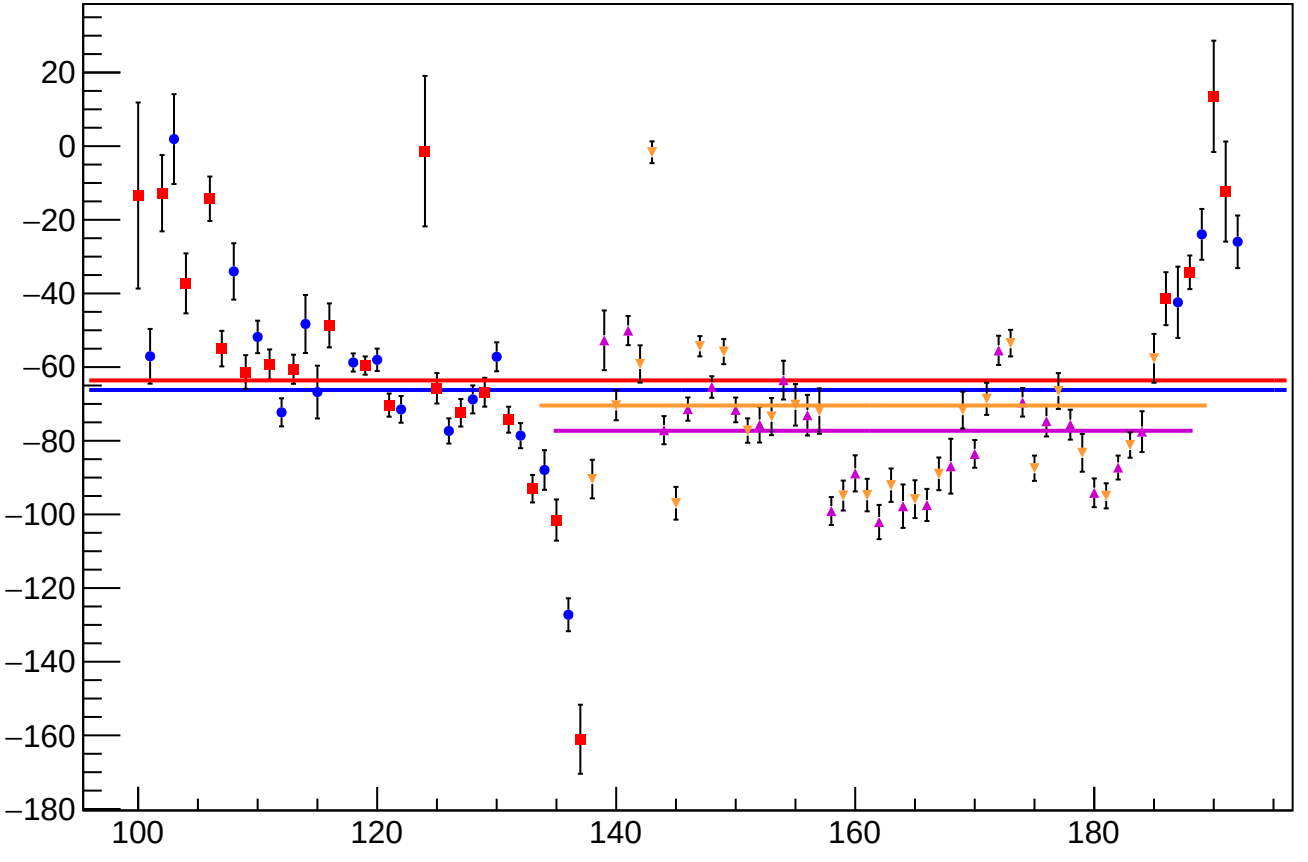
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -156.876+/-0.665 χ^2/NDF: 5378.9/43

All: -161.826+/-0.459 χ^2/NDF: 12201.9/89

- sign -166.352+/-0.635 χ^2/NDF: 6716.7/45

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



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

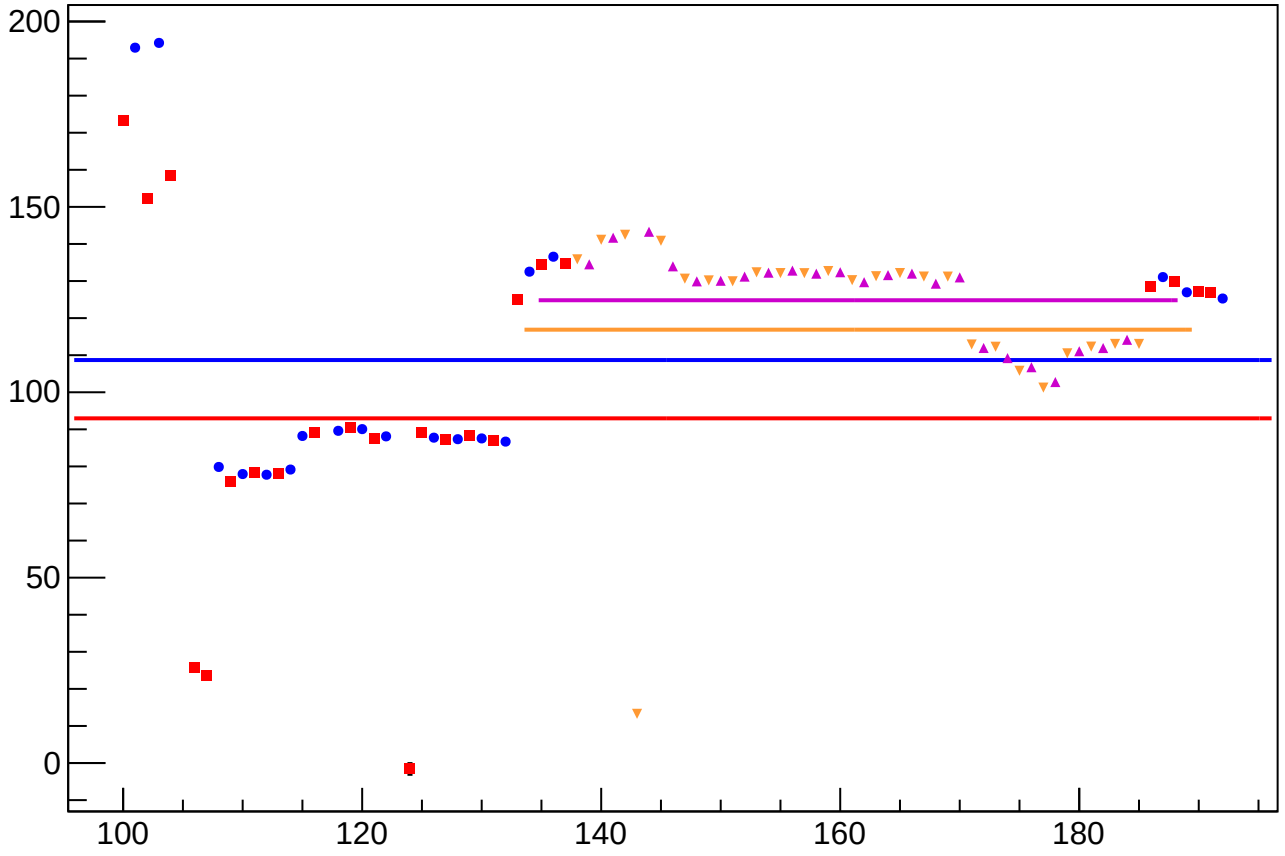
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -68.741+/-0.636 χ^2/NDF: 1306.9/43

All: -70.007+/-0.455 χ^2/NDF: 2133.7/89

- sign -71.329+/-0.650 χ^2/NDF: 818.7/45

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



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

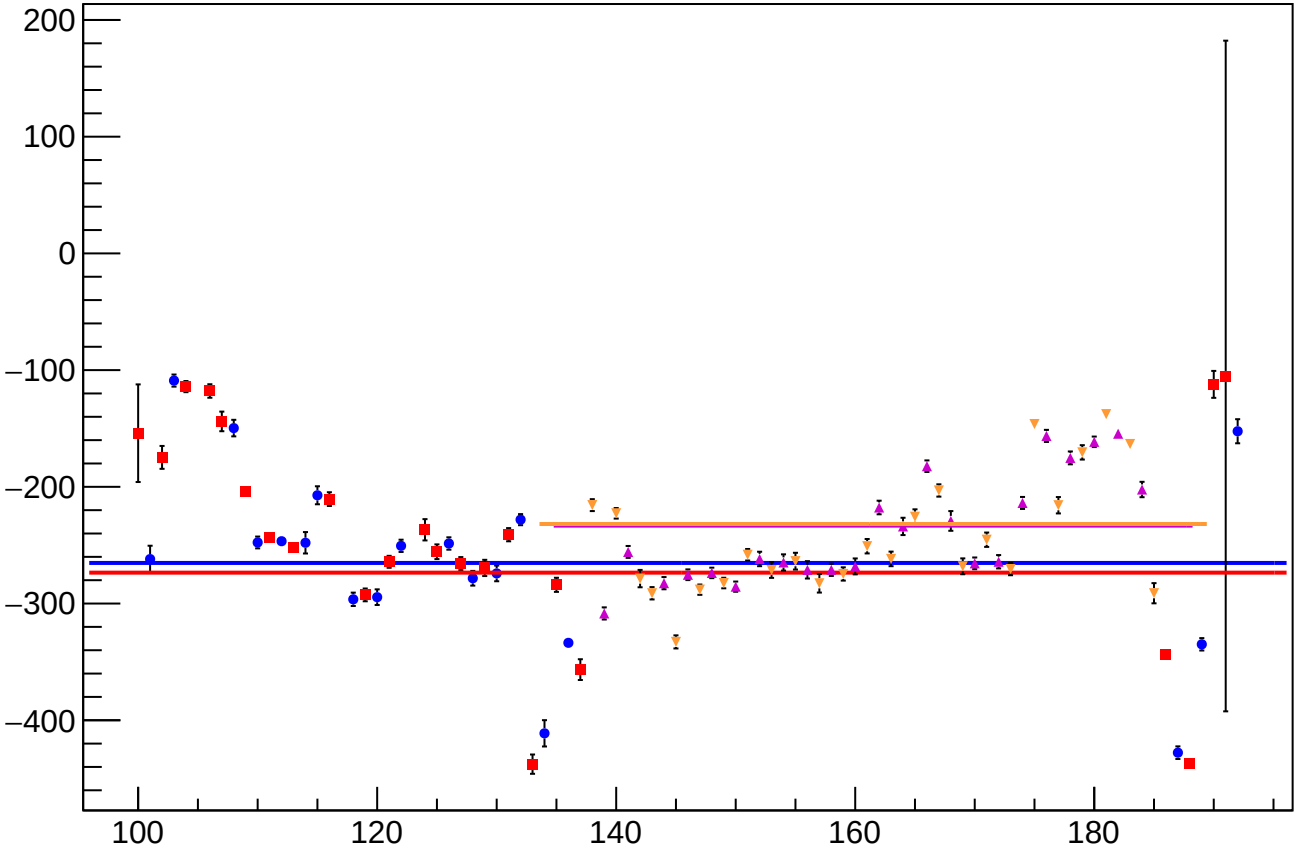
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 114.807+/-0.033 χ^2/NDF: 887171.8/43

All: 115.162+/-0.023 χ^2/NDF: 1591995.1/89

- sign 115.521+/-0.033 χ^2/NDF: 704589.6/45

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

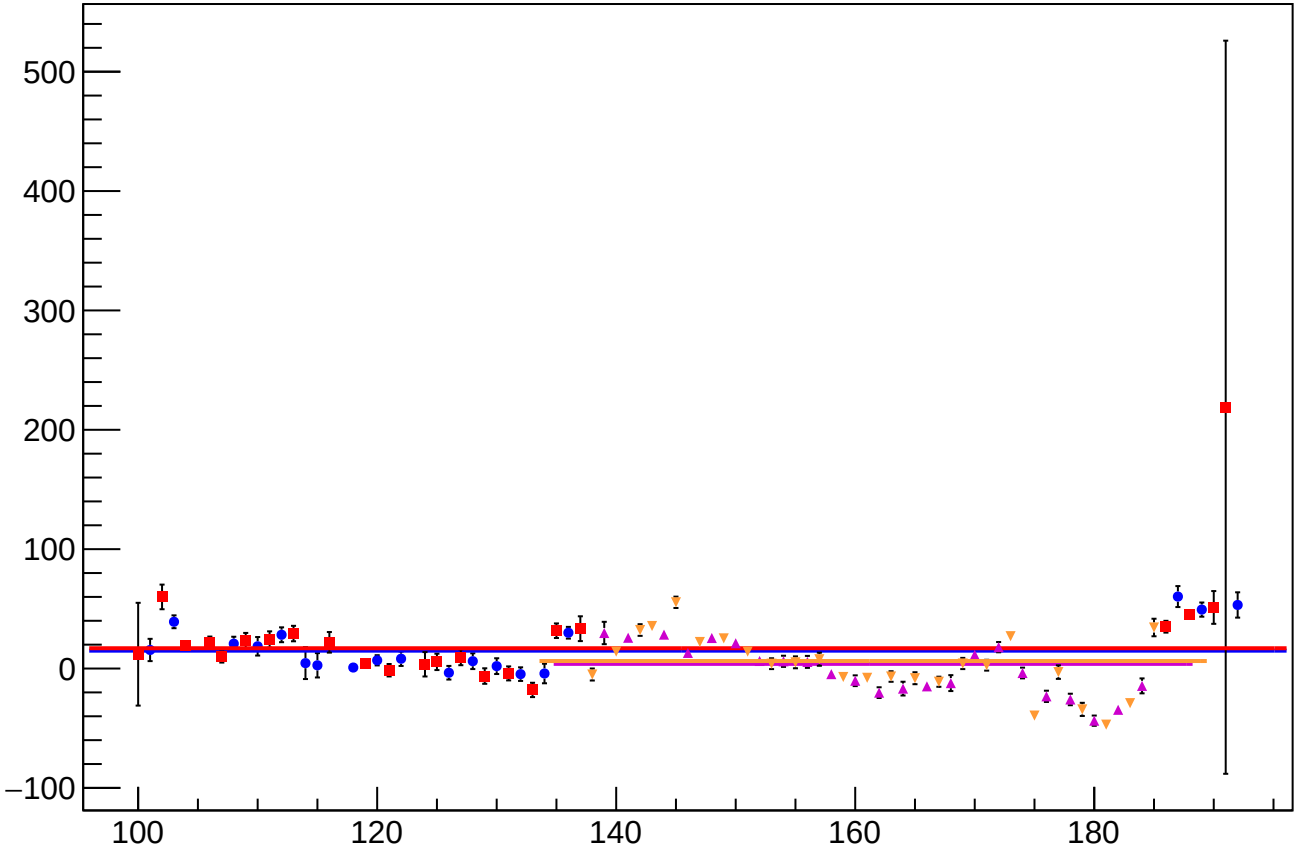
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -245.067+/-0.839 χ^2/NDF: 6084.9/43

All: -249.001+/-0.579 χ^2/NDF: 15791.2/89

- sign -252.567+/-0.799 χ^2/NDF: 9664.4/45

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 14.977+/-1.397 χ^2/NDF: 165.6/18

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 16.992+/-1.247 χ^2/NDF: 197.1/22

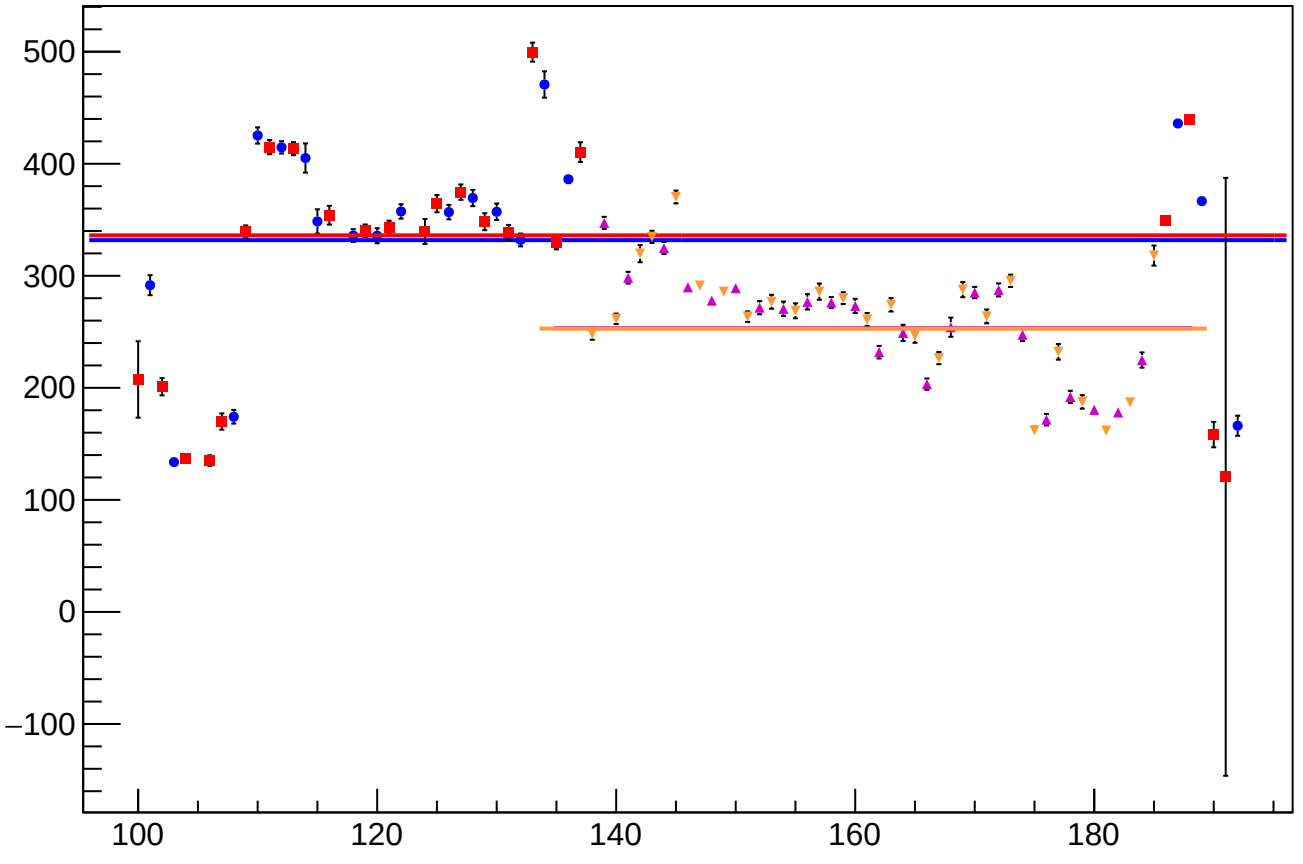
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 8.390+/-0.687 χ^2/NDF: 1066.4/43

All: 8.117+/-0.485 χ^2/NDF: 1991.1/89

- sign 7.846+/-0.684 χ^2/NDF: 924.4/45

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



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

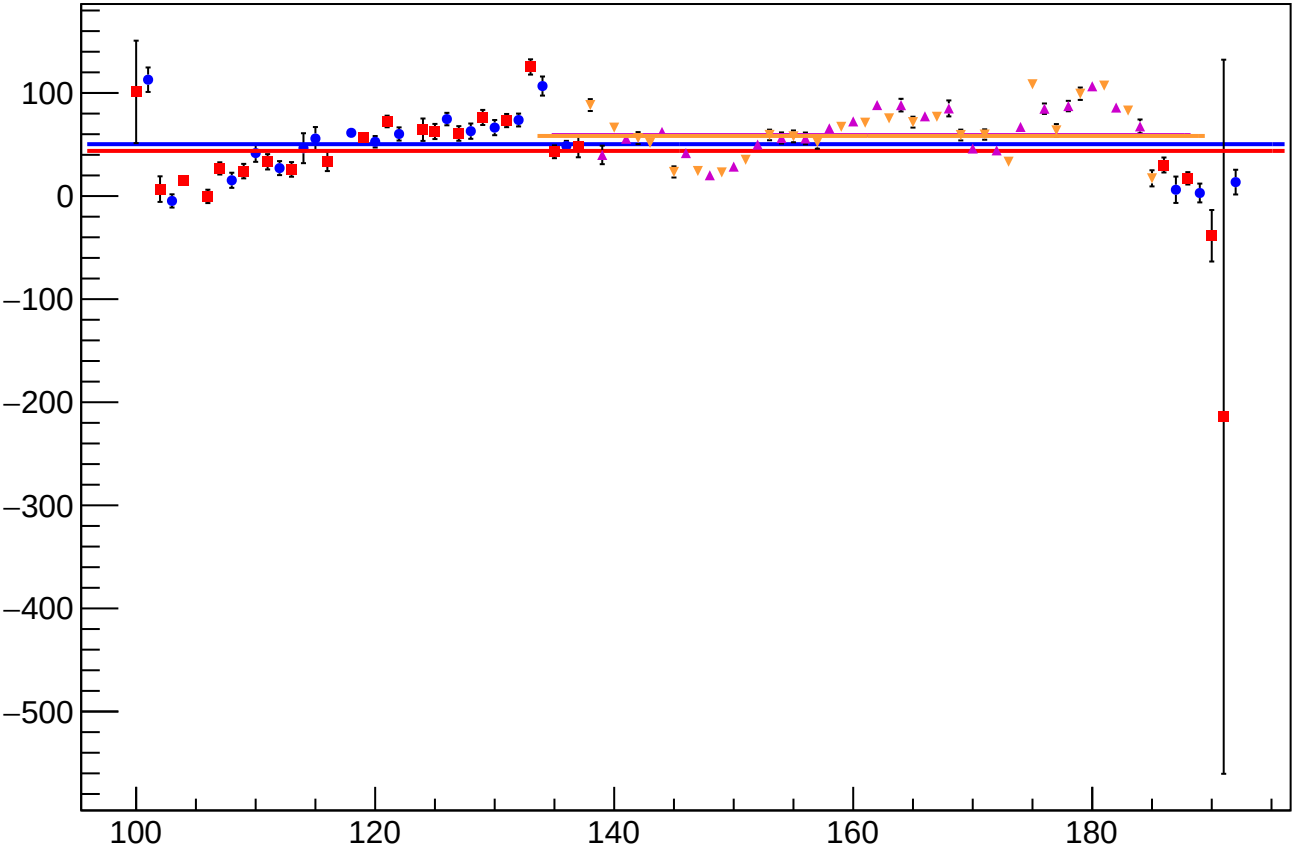
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 282.047+/-0.850 χ^2/NDF: 9394.4/43

All: 287.518+/-0.581 χ^2/NDF: 22748.4/89

- sign 292.304+/-0.795 χ^2/NDF: 13276.4/45

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



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

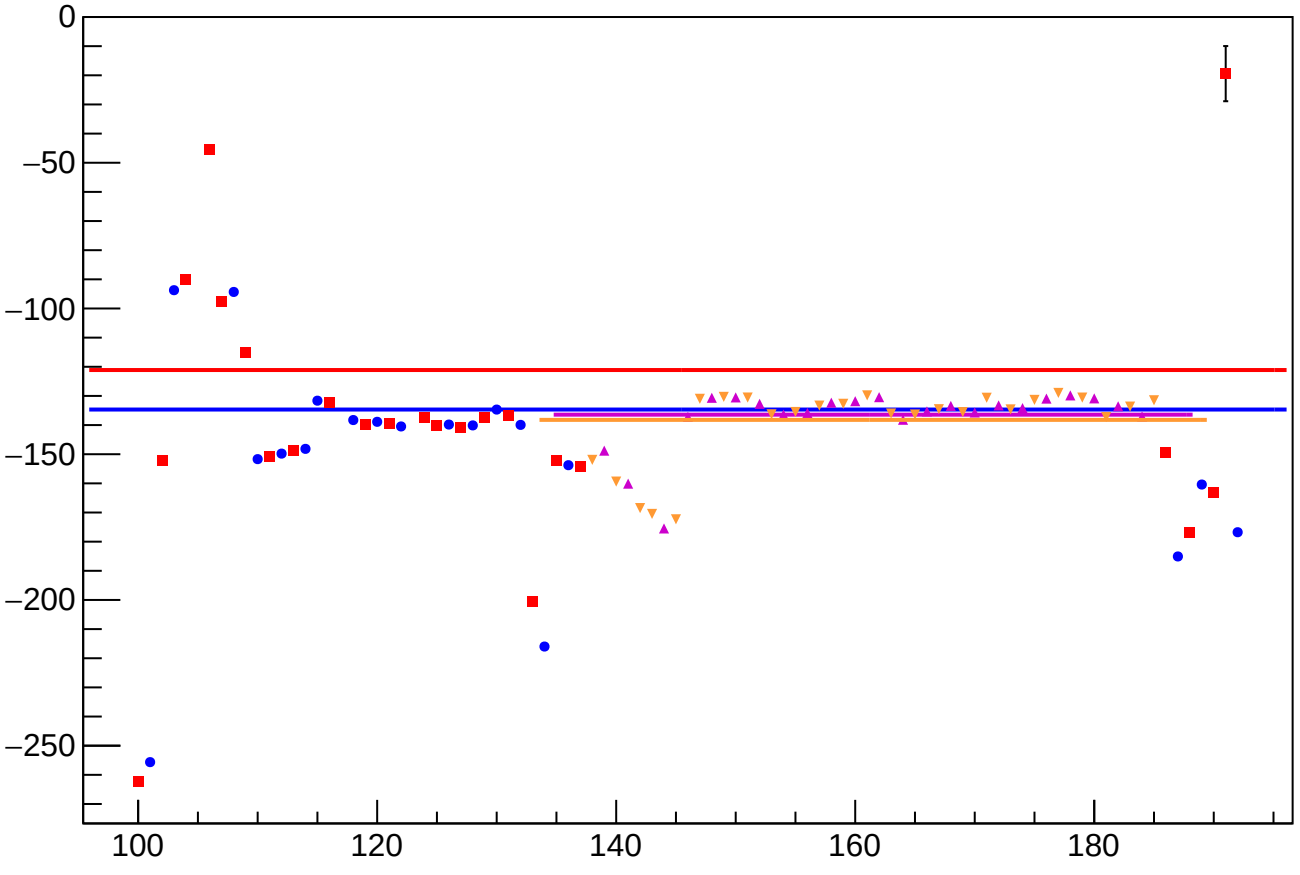
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 56.425+/-0.797 χ^2/NDF: 1137.3/43

All: 55.636+/-0.563 χ^2/NDF: 2210.2/89

- sign 54.848+/-0.796 χ^2/NDF: 1070.9/45

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



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

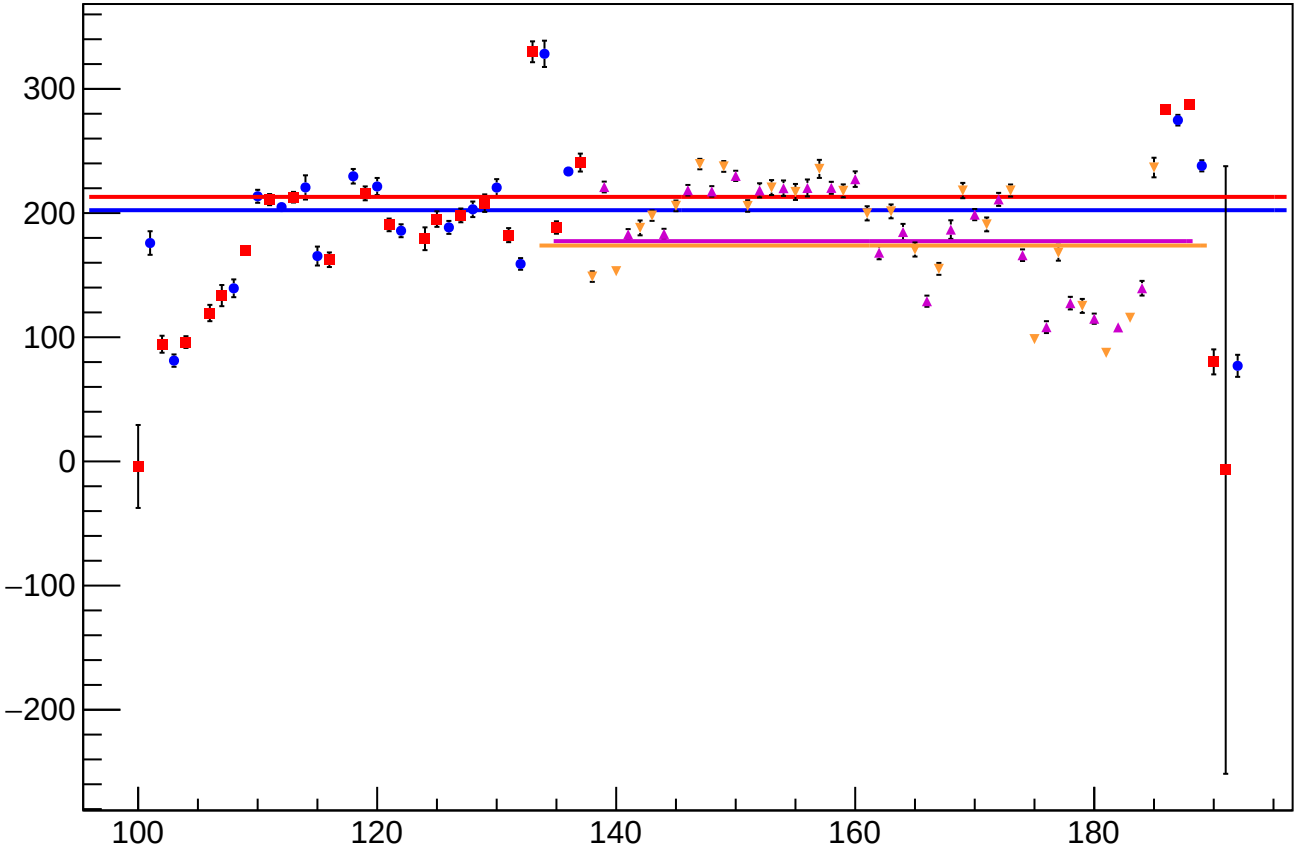
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -137.522+/-0.038 χ^2/NDF: 280739.9/43

All: -135.301+/-0.027 χ^2/NDF: 610916.0/89

- sign -133.102+/-0.038 χ^2/NDF: 323416.2/45

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

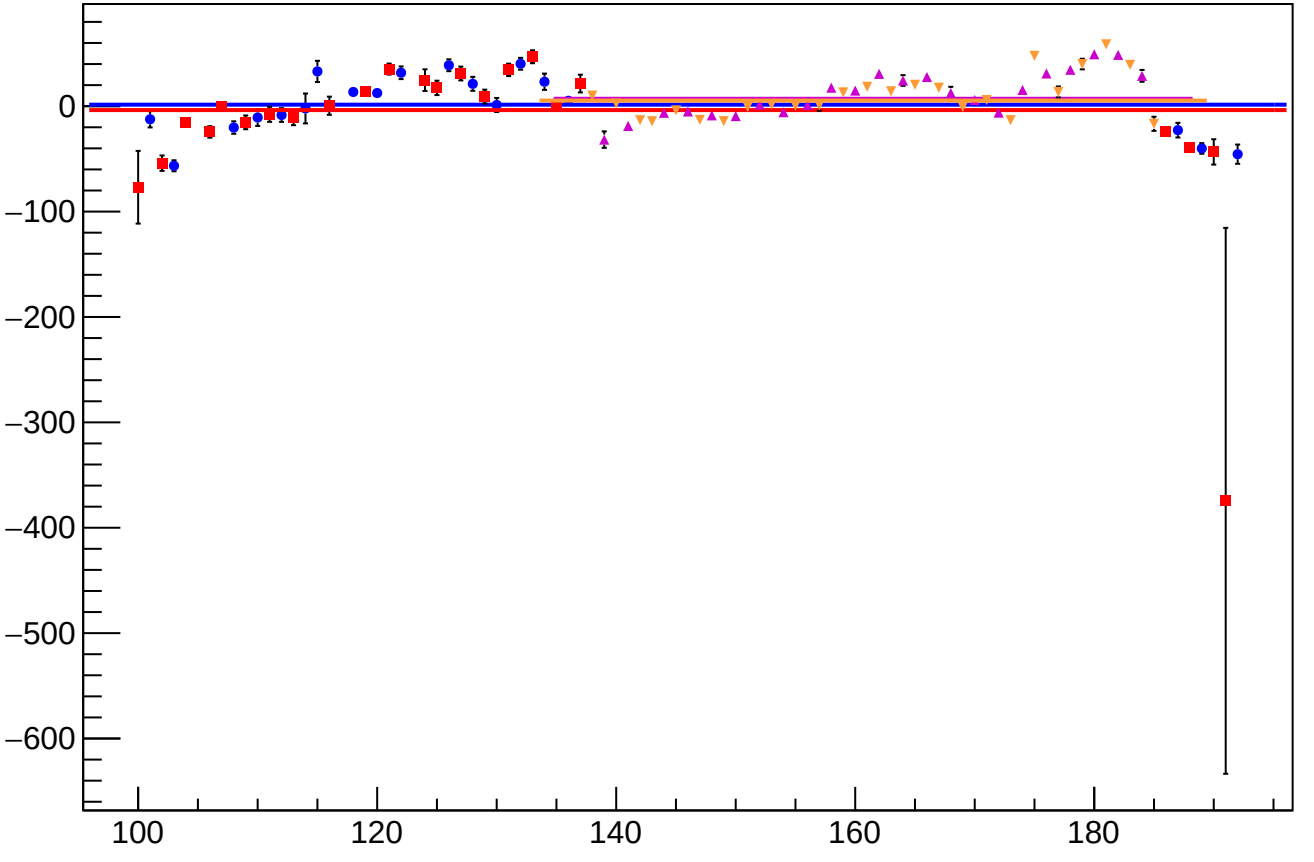
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

\+ sign 184.259+/-0.766 χ^2/NDF: 4564.1/43

All: 189.143+/-0.530 χ^2/NDF: 10518.7/89

\- sign 193.632+/-0.735 χ^2/NDF: 5876.7/45

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



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

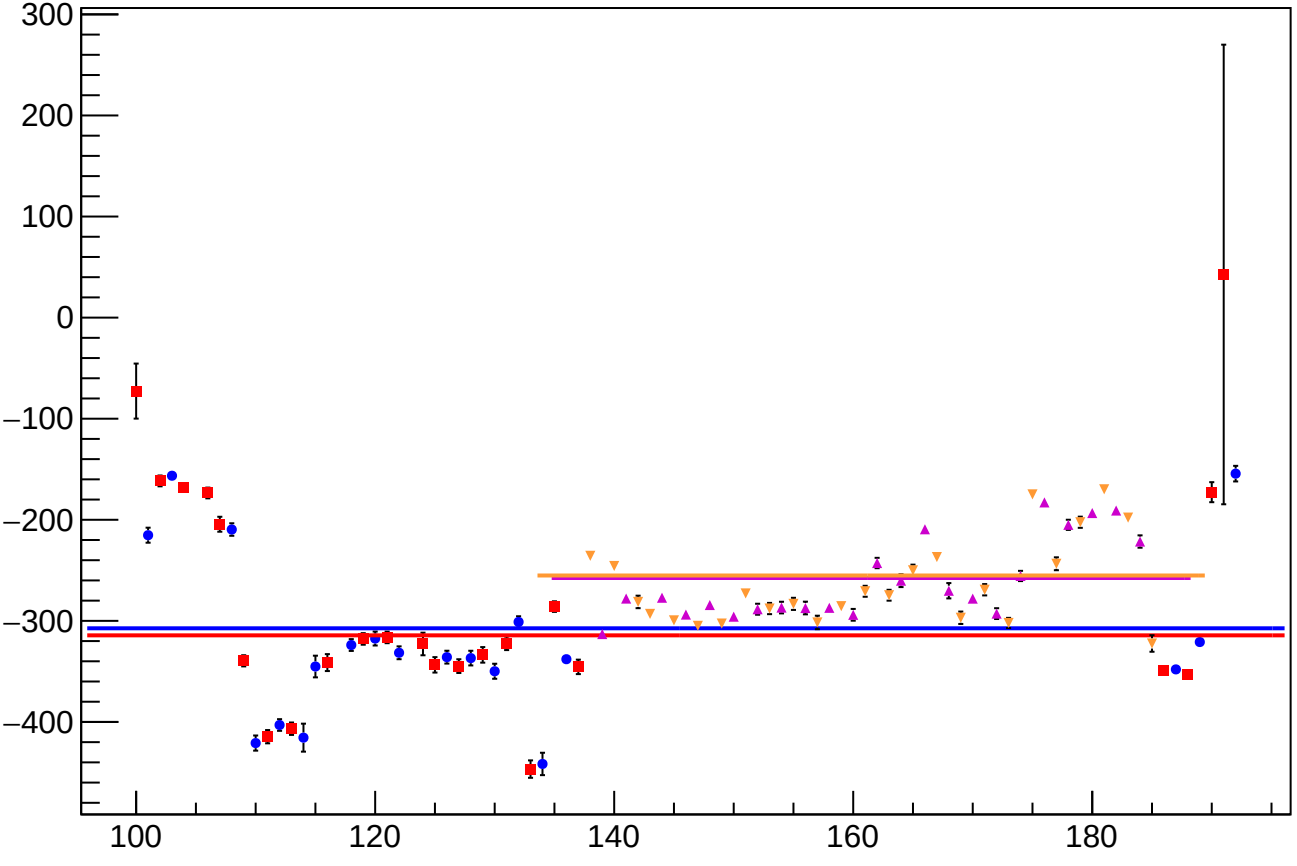
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

\+ sign 4.511+/-0.628 χ^2/NDF: 1230.7/43

All: 4.297+/-0.445 χ^2/NDF: 2485.0/89

\- sign 4.081+/-0.630 χ^2/NDF: 1254.1/45

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



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

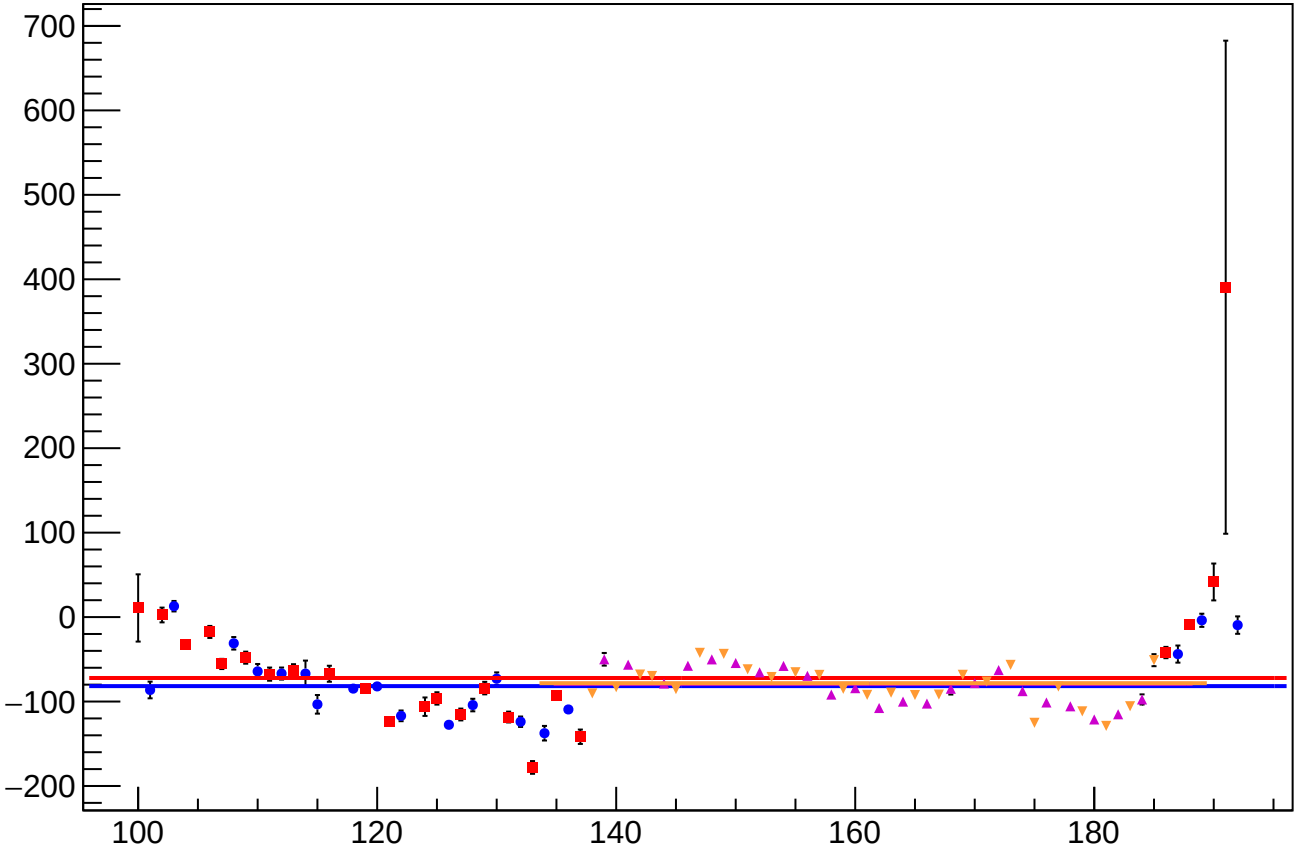
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -273.568+/-0.769 χ^2/NDF: 6729.9/43

All: -279.089+/-0.526 χ^2/NDF: 15117.7/89

- sign -283.938+/-0.721 χ^2/NDF: 8291.0/45

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



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

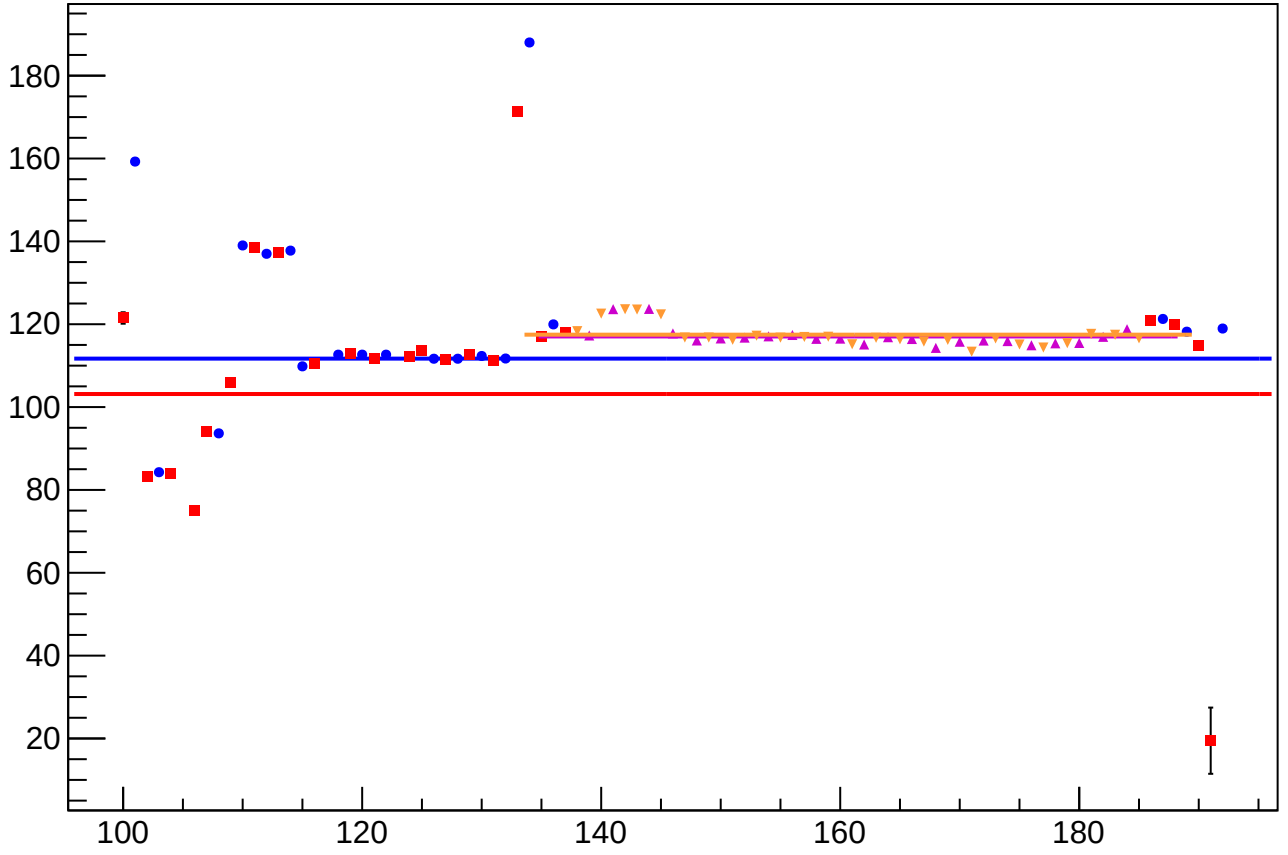
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

\+ sign -79.021+/-0.727 χ^2/NDF: 1561.7/43

All: -78.166+/-0.516 χ^2/NDF: 3215.6/89

\- sign -77.297+/-0.733 χ^2/NDF: 1651.0/45

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



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

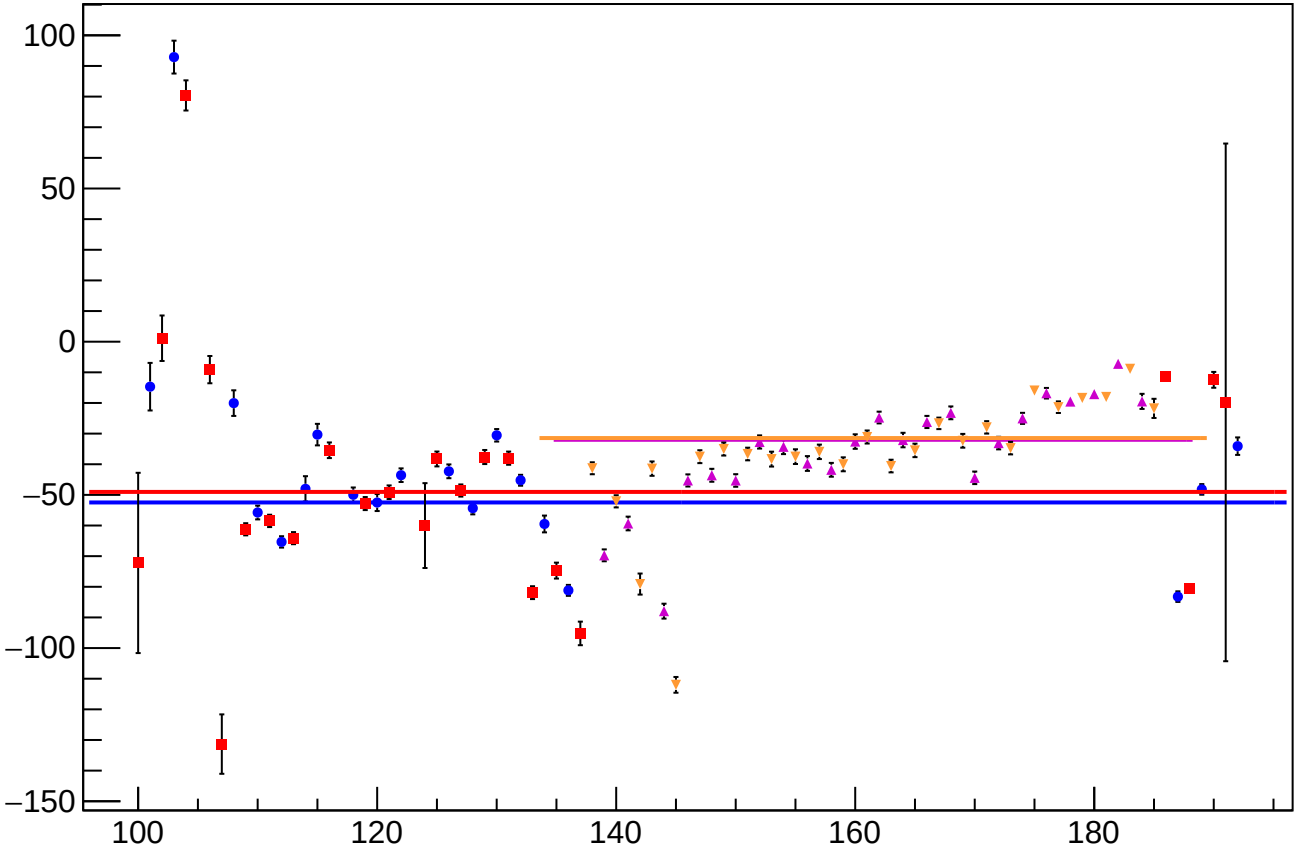
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.419+/-0.034 χ^2/NDF: 93708.8/43

All: 115.311+/-0.024 χ^2/NDF: 194154.4/89

- sign 114.198+/-0.034 χ^2/NDF: 98359.1/45

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

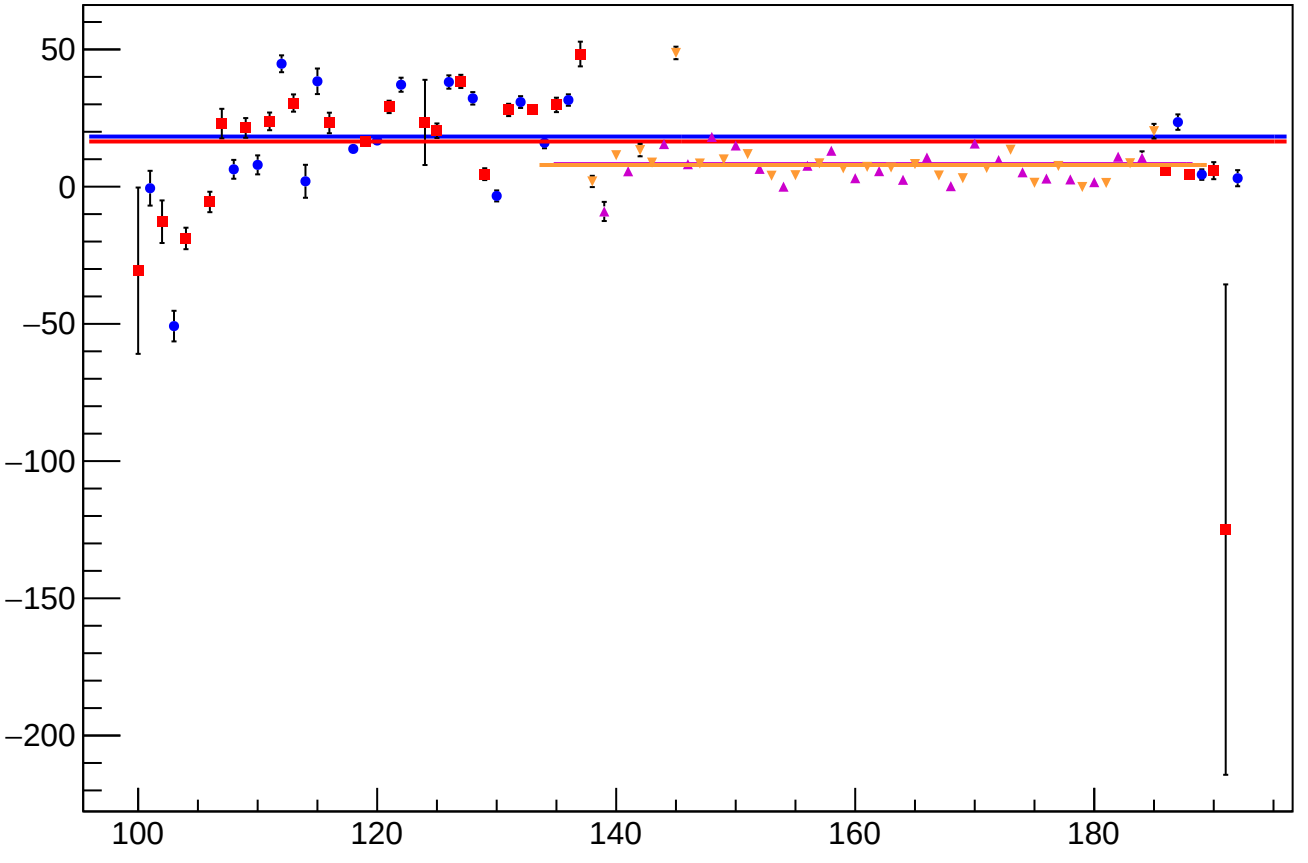
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

\+ sign -38.943+/-0.320 χ^2/NDF: 4689.7/43

All: -39.276+/-0.221 χ^2/NDF: 11451.4/89

\- sign -39.578+/-0.305 χ^2/NDF: 6759.6/45

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



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

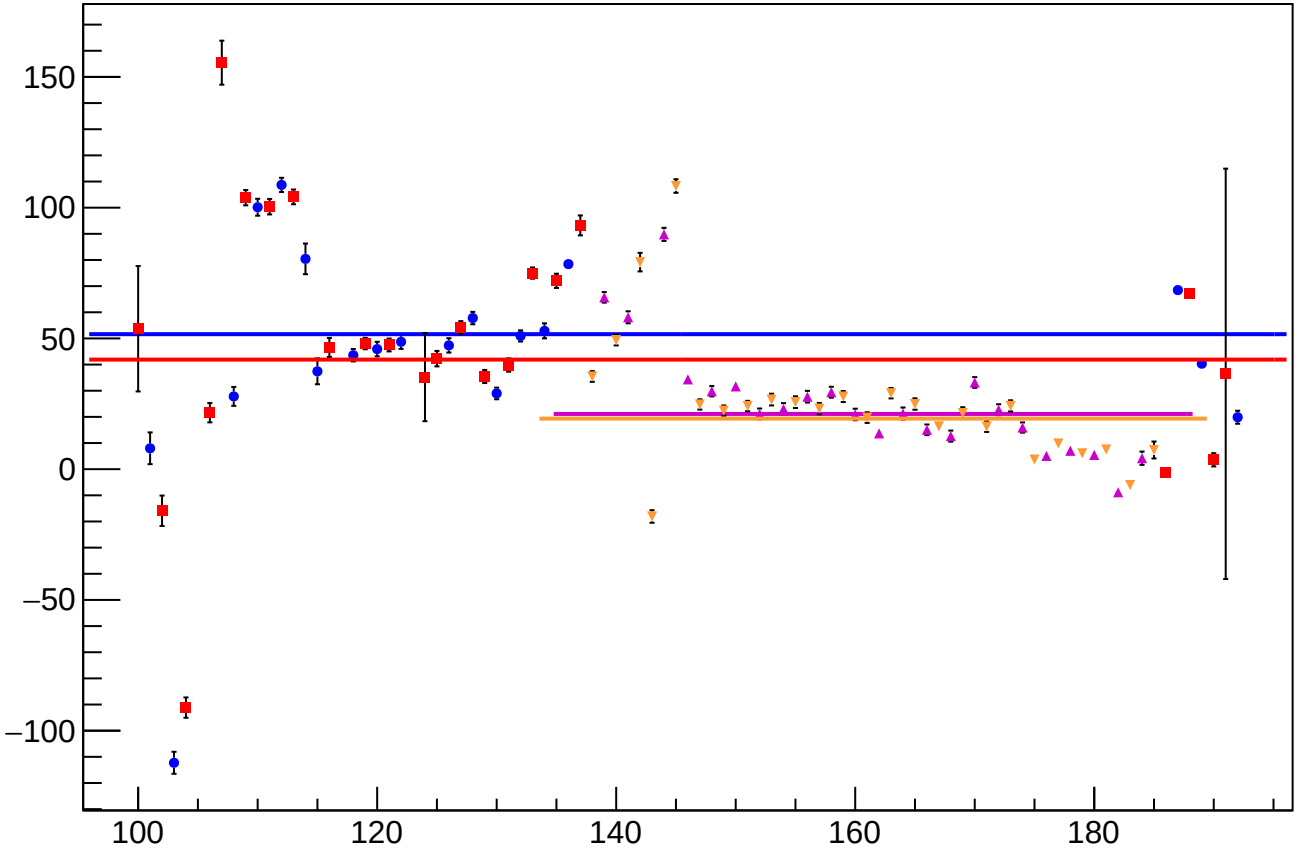
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

\+ sign 10.250+/-0.267 χ^2/NDF: 1481.7/43

All: 10.368+/-0.189 χ^2/NDF: 2636.8/89

\- sign 10.487+/-0.269 χ^2/NDF: 1154.7/45

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



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

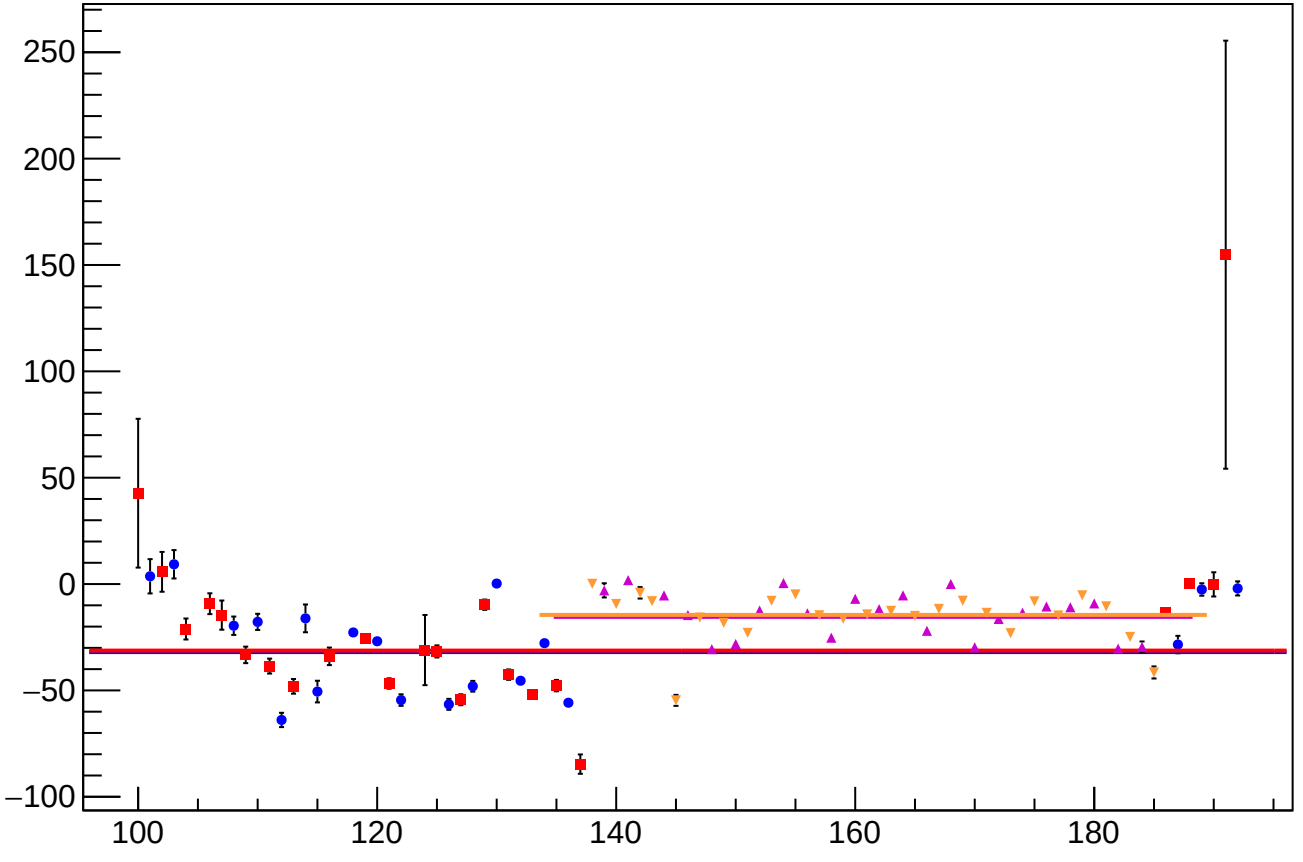
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

+ sign 30.079+/-0.323 χ^2/NDF: 7923.8/43

All: 30.360+/-0.219 χ^2/NDF: 18874.1/89

- sign 30.599+/-0.299 χ^2/NDF: 10948.8/45

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



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

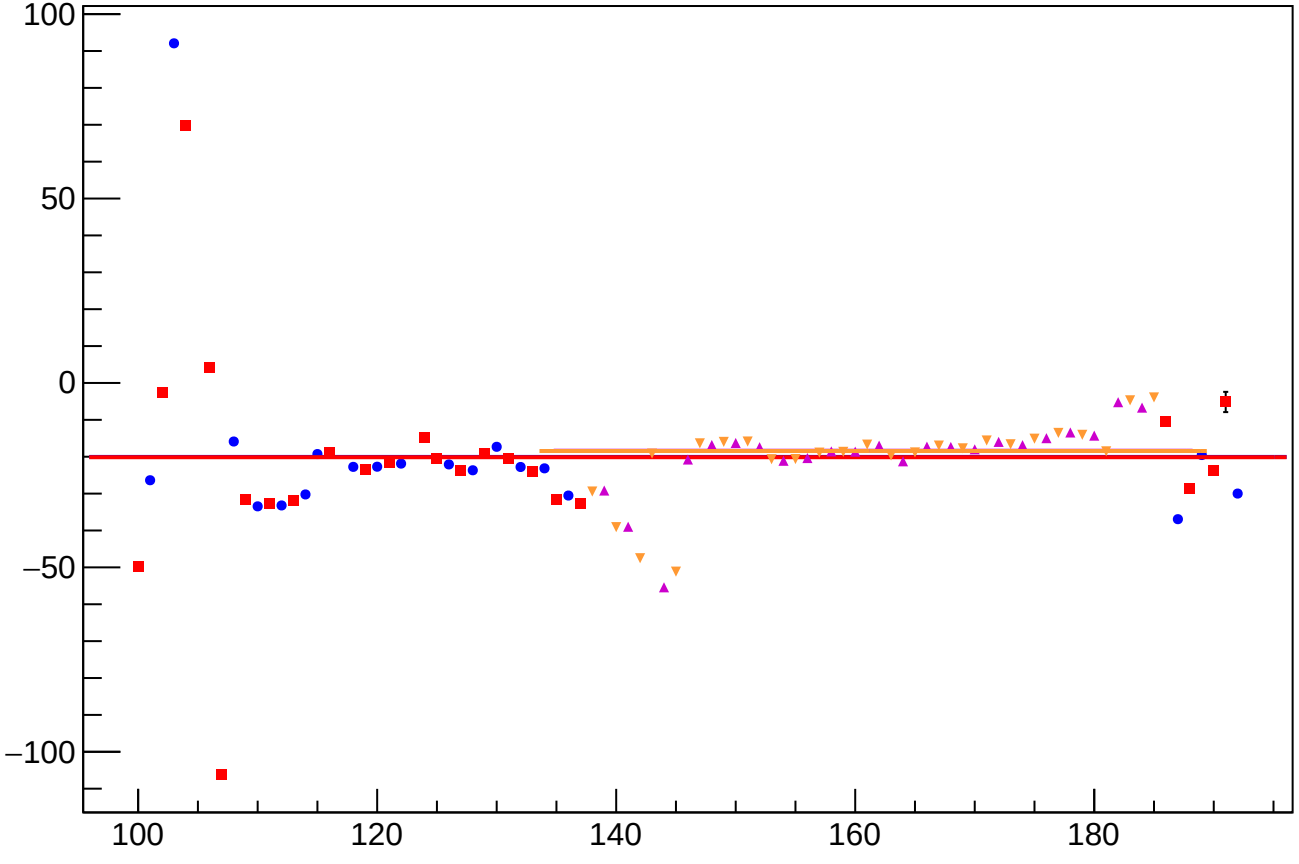
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

\+ sign -18.250+/-0.305 χ^2/NDF: 2171.4/43

All: -18.733+/-0.217 χ^2/NDF: 4419.2/89

\- sign -19.231+/-0.310 χ^2/NDF: 2242.7/45

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



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

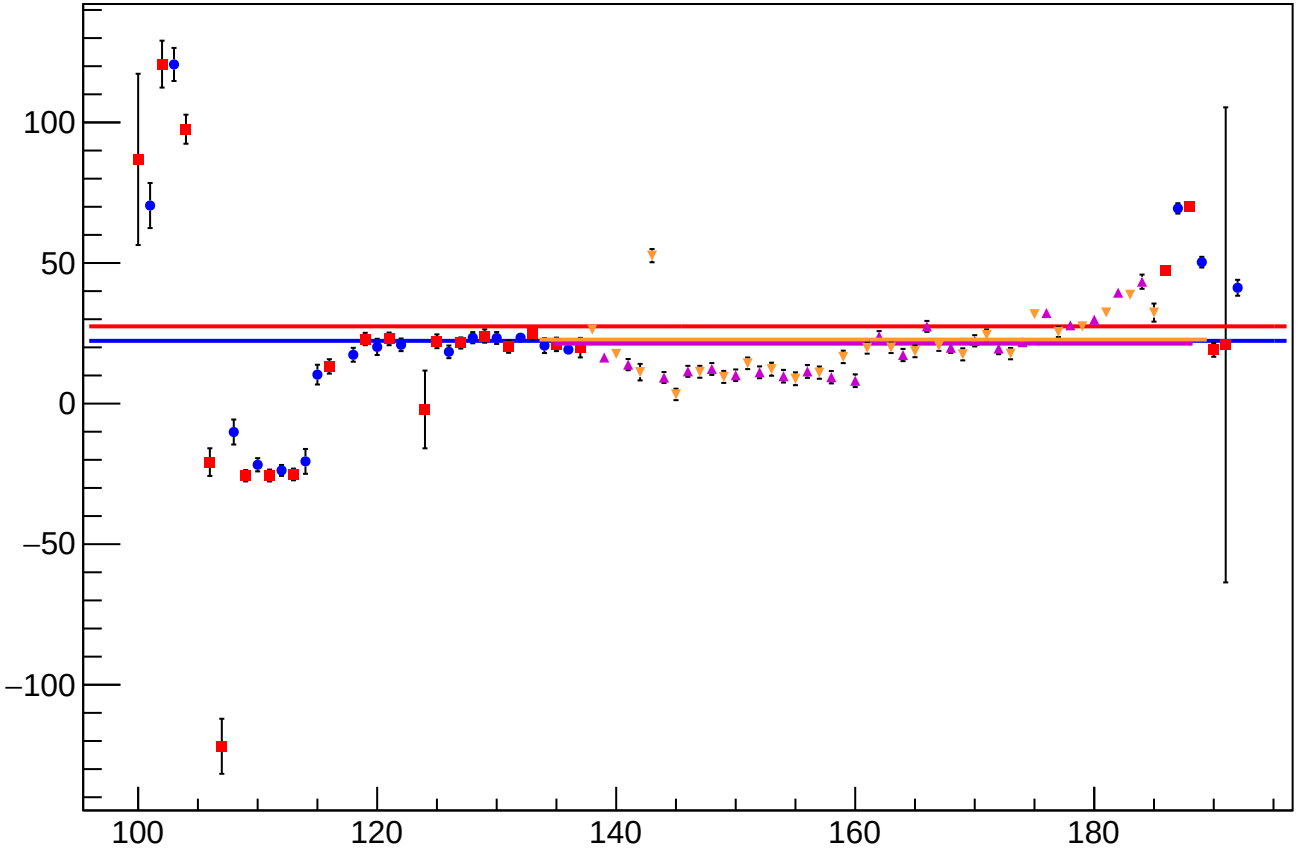
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -18.682+/-0.014 χ^2/NDF: 740220.3/43

All: -18.653+/-0.010 χ^2/NDF: 1349493.8/89

- sign -18.622+/-0.015 χ^2/NDF: 609264.8/45

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

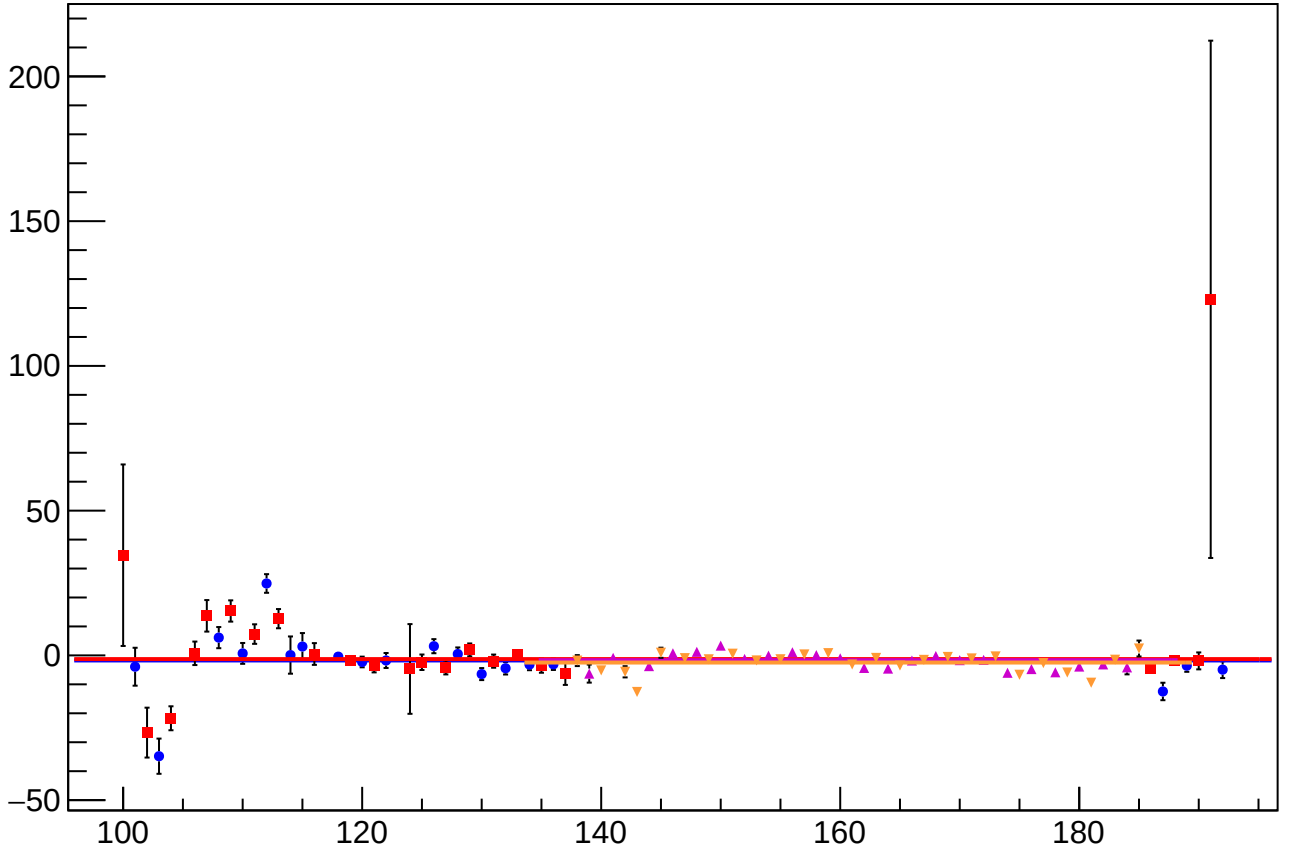
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 22.620+/-0.314 χ^2/NDF: 3039.6/43

All: 23.212+/-0.219 χ^2/NDF: 8295.8/89

- sign 23.771+/-0.305 χ^2/NDF: 5249.2/45

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



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

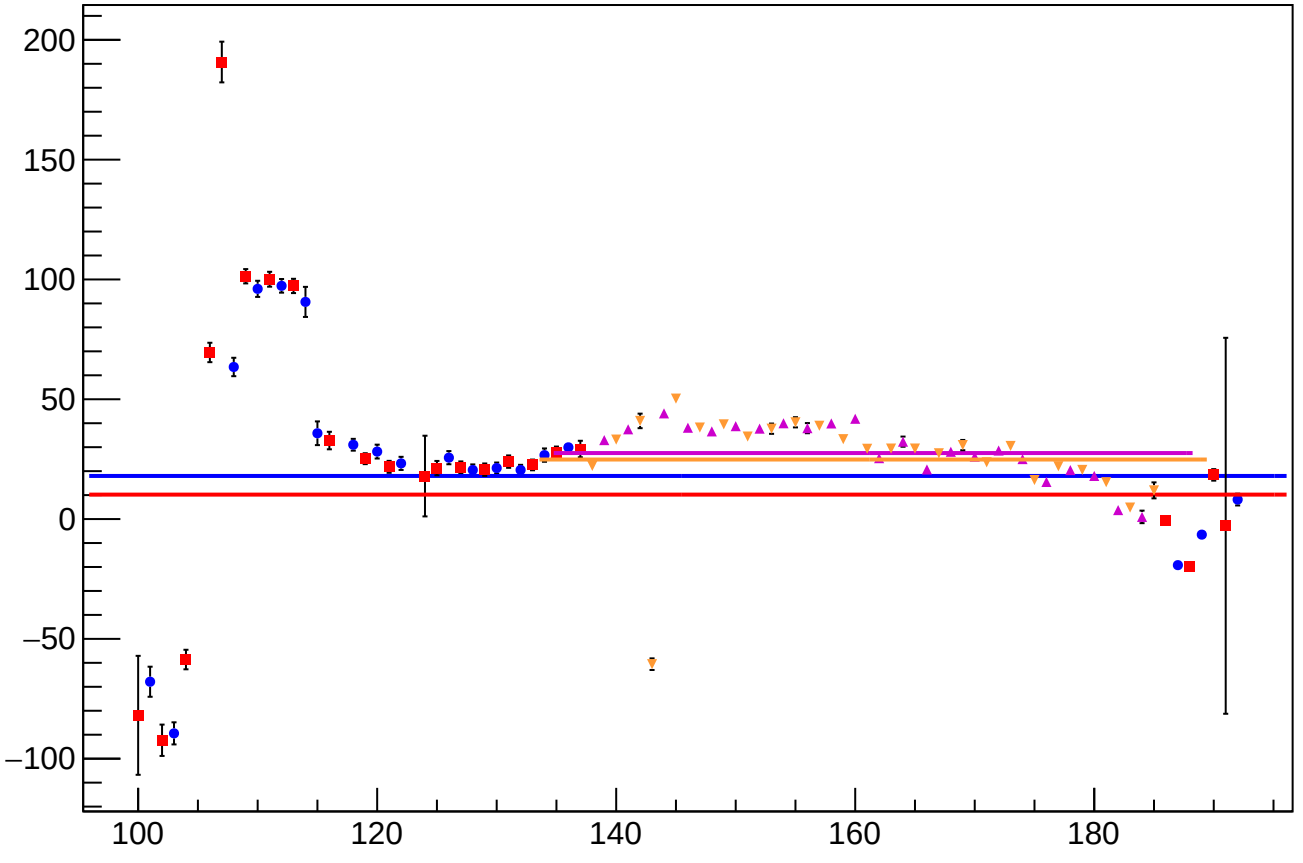
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.318+/-0.261 χ^2/NDF: 250.4/43

All: -1.949+/-0.186 χ^2/NDF: 426.3/89

- sign -1.569+/-0.265 χ^2/NDF: 171.9/45

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



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

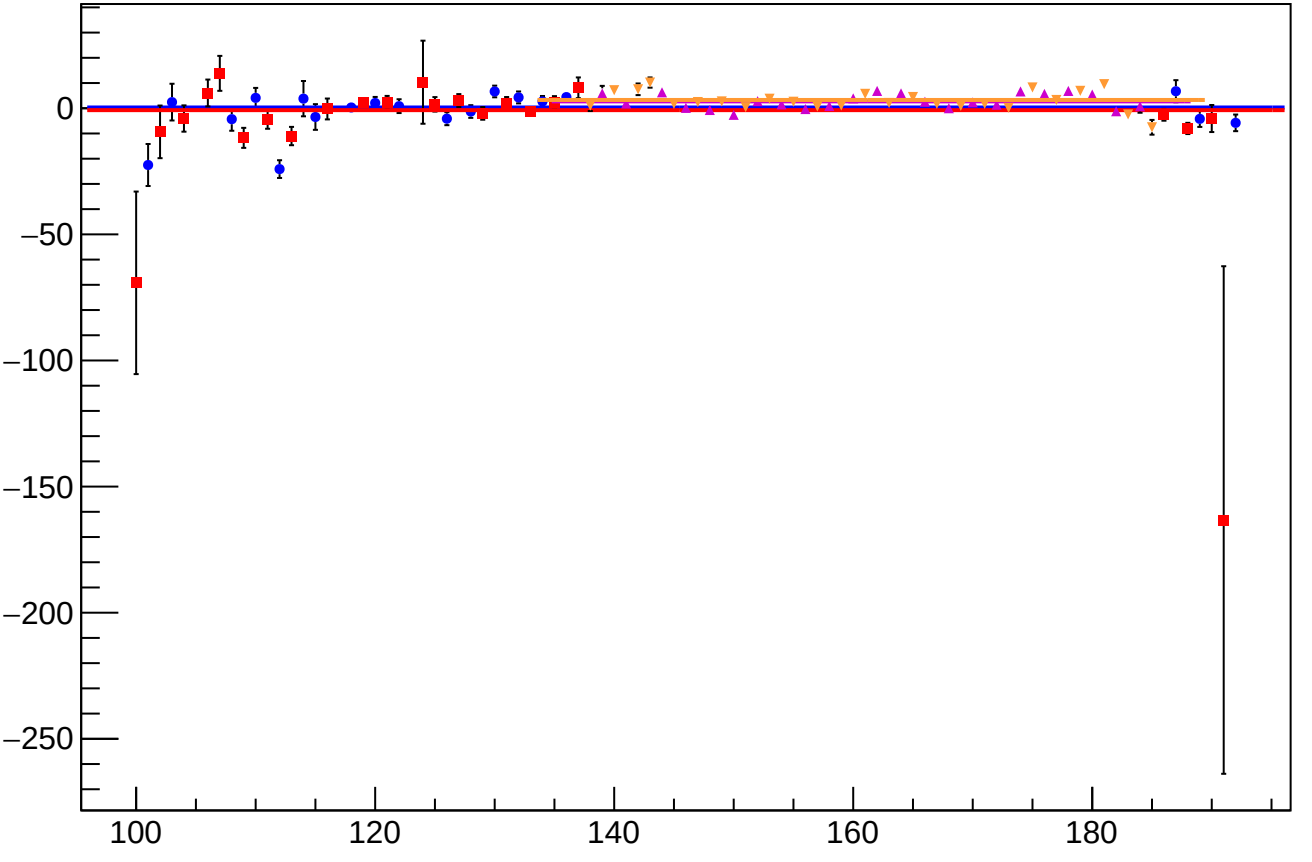
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 22.770+/-0.317 χ^2/NDF: 5443.7/43

All: 21.642+/-0.218 χ^2/NDF: 12600.5/89

- sign 20.622+/-0.301 χ^2/NDF: 7132.7/45

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



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

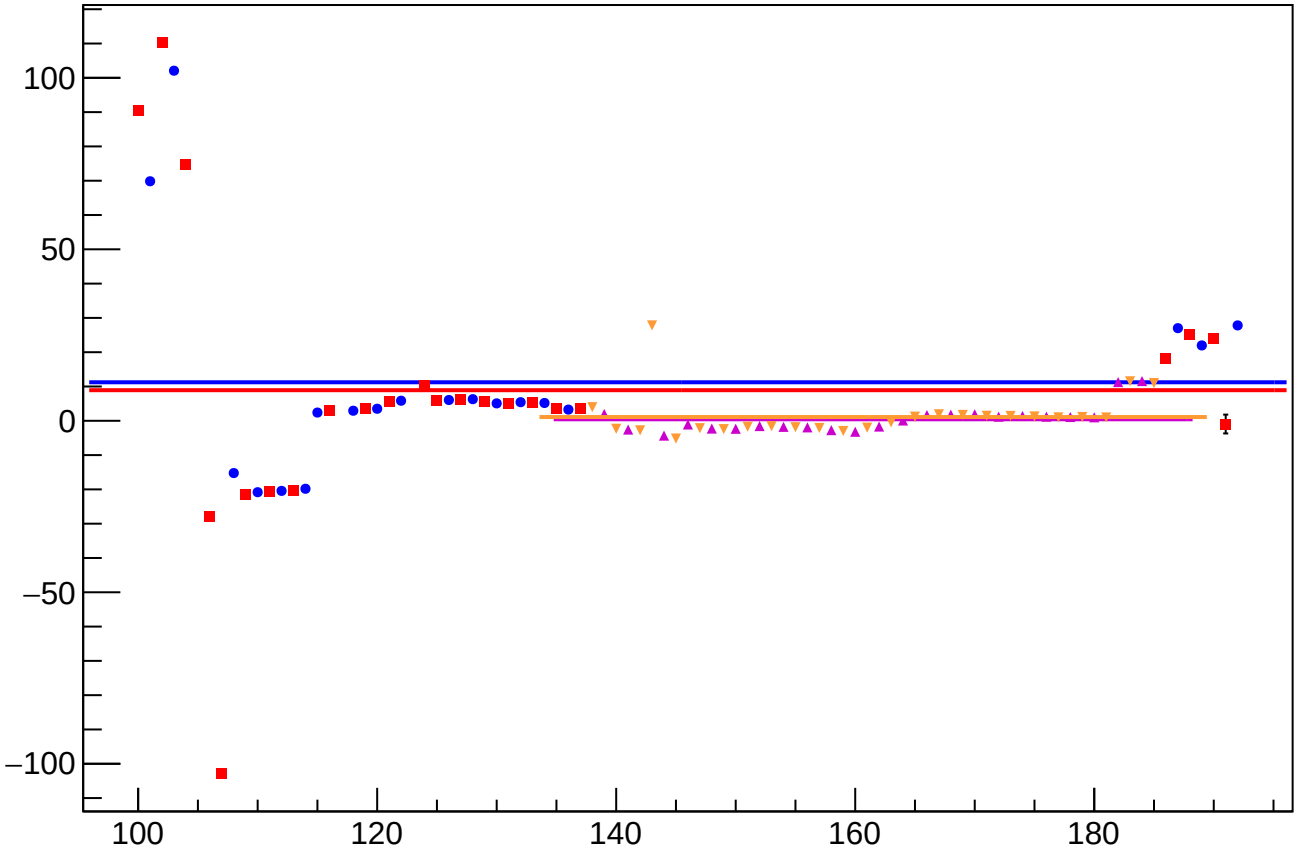
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.695+/-0.297 χ^2/NDF: 208.6/43

All: 2.349+/-0.212 χ^2/NDF: 364.6/89

- sign 1.988+/-0.303 χ^2/NDF: 153.2/45

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



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

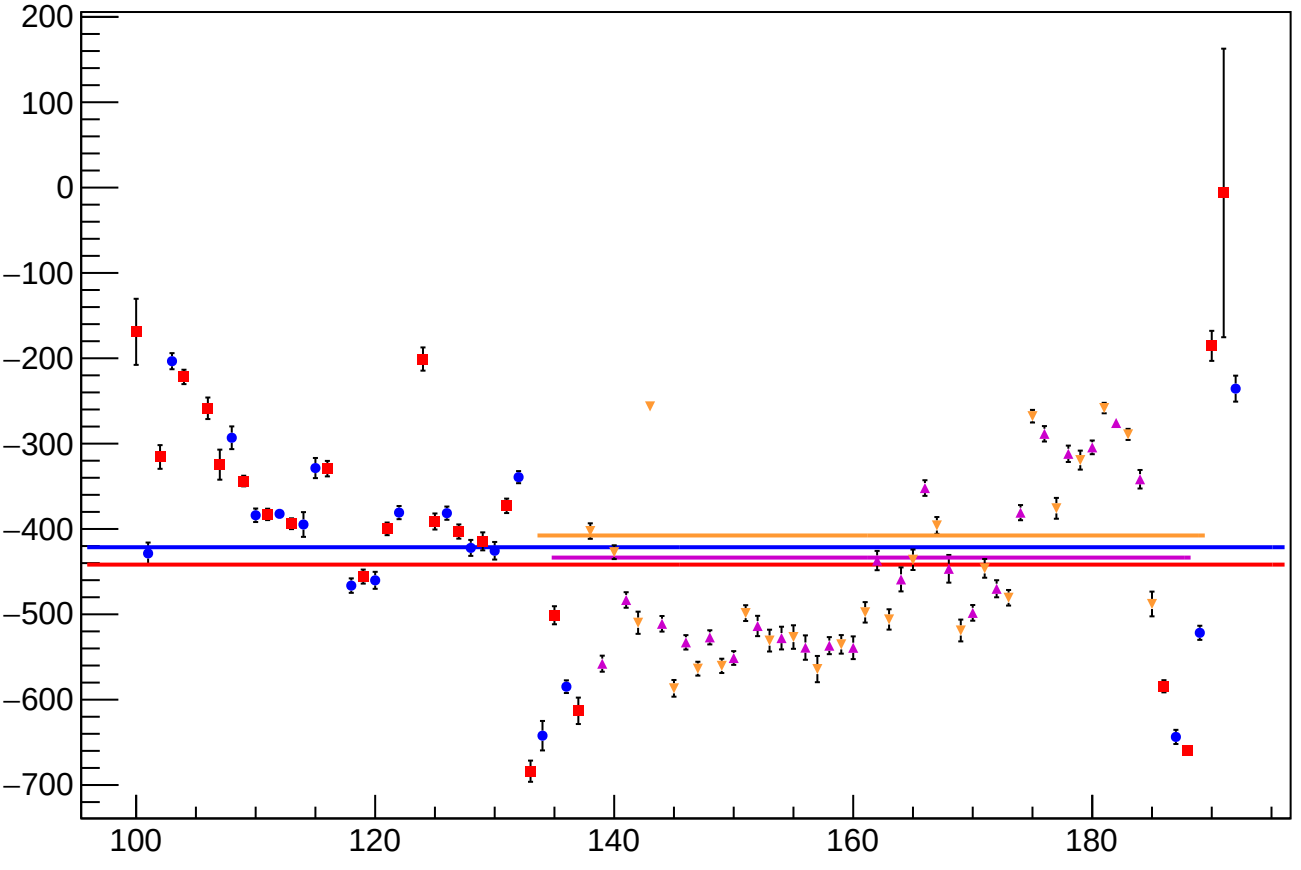
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 2.463+/-0.014 χ^2/NDF: 559294.2/43

All: 1.988+/-0.010 χ^2/NDF: 1132356.4/89

- sign 1.491+/-0.014 χ^2/NDF: 570640.7/45

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

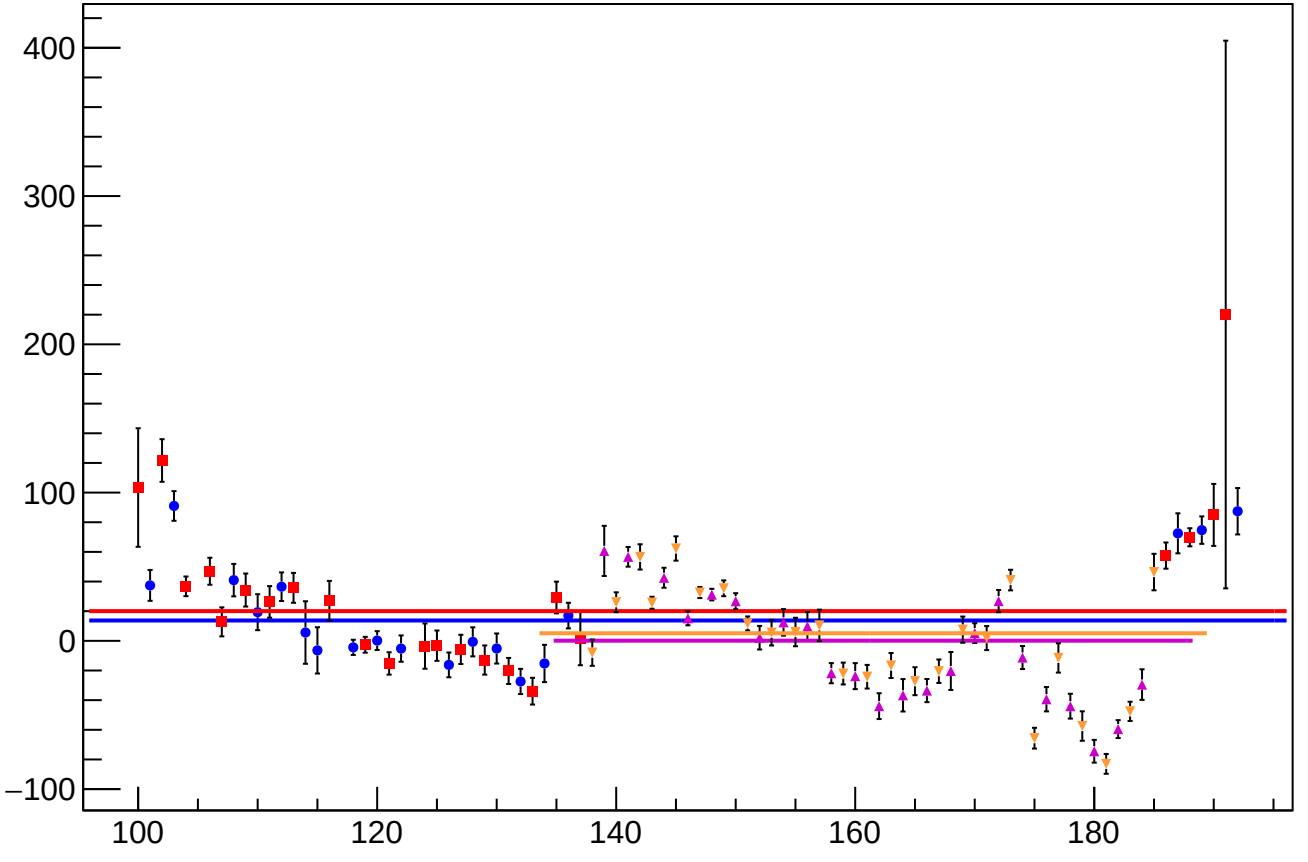
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -413.800+/-1.387 χ^2/NDF: 6681.1/43

All: -426.204+/-0.968 χ^2/NDF: 15262.9/89

- sign -437.975+/-1.351 χ^2/NDF: 8425.9/45

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 13.733+/-2.150 χ^2/NDF: 232.1/18

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 20.067+/-2.003 χ^2/NDF: 294.3/22

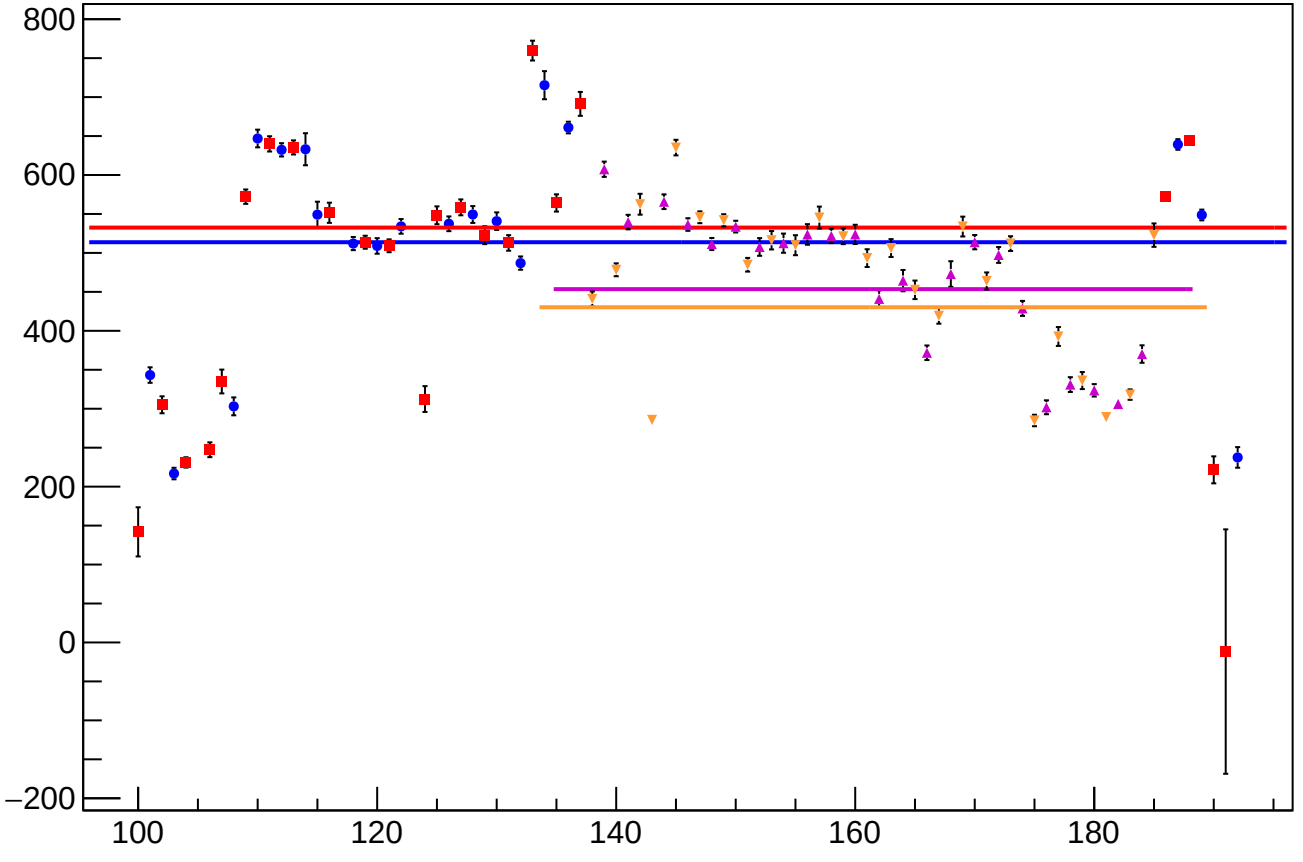
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 7.633+/-1.161 χ^2/NDF: 932.6/43

All: 7.434+/-0.833 χ^2/NDF: 1859.3/89

- sign 7.223+/-1.195 χ^2/NDF: 926.6/45

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



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

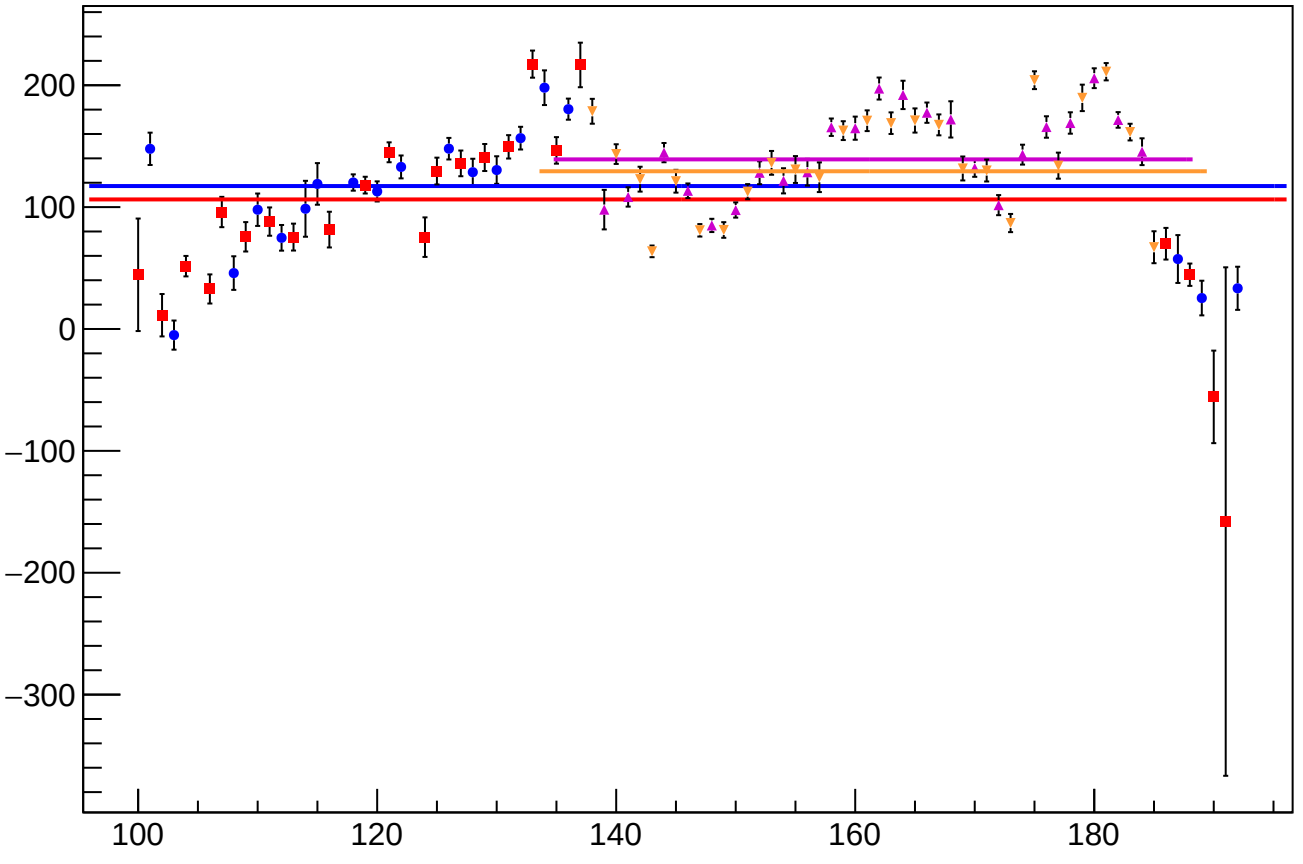
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 465.299+/-1.417 χ^2/NDF: 8206.1/43

All: 480.966+/-0.979 χ^2/NDF: 17722.0/89

- sign 495.279+/-1.355 χ^2/NDF: 9282.1/45

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



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

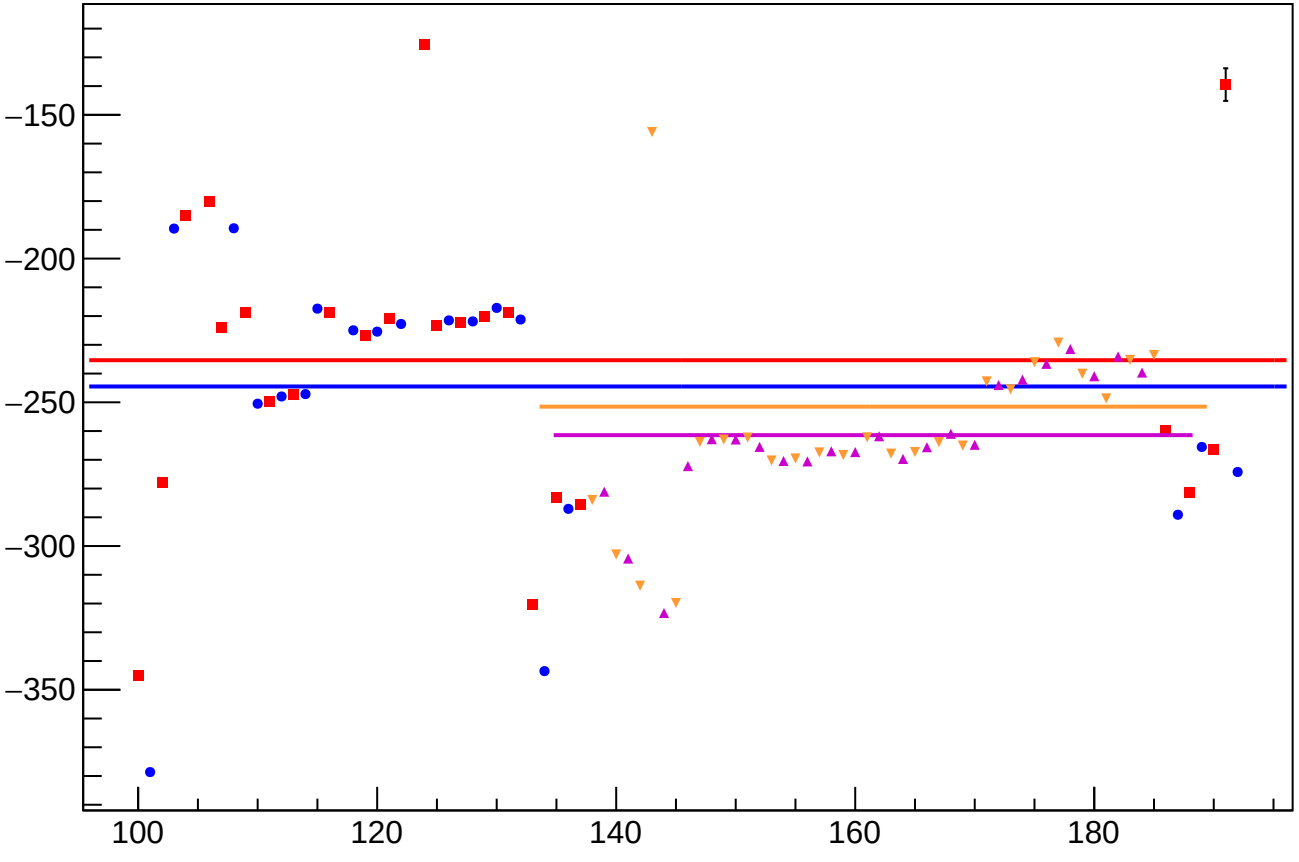
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 125.983+/-1.349 χ^2/NDF: 1181.0/43

All: 127.043+/-0.968 χ^2/NDF: 2167.0/89

- sign 128.170+/-1.391 χ^2/NDF: 984.8/45

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



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

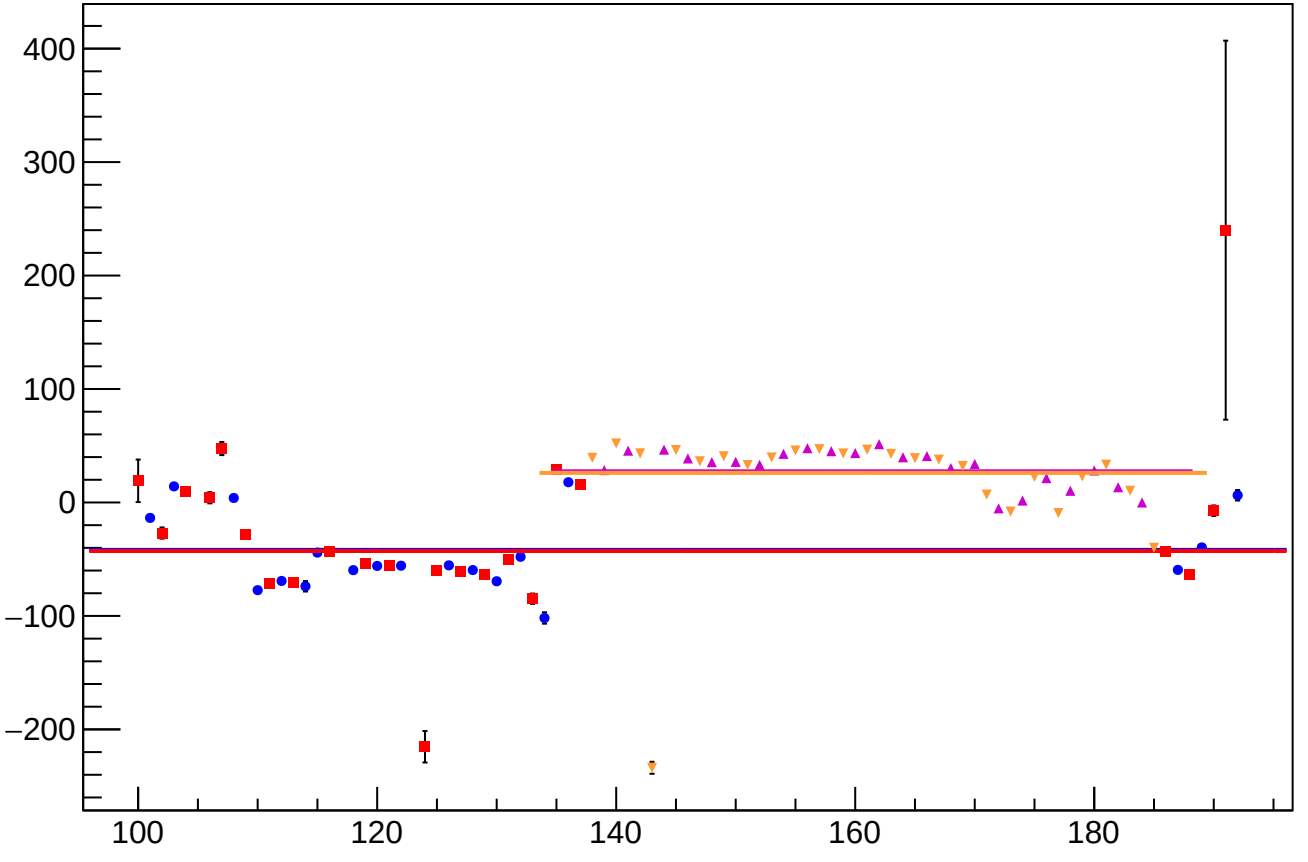
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -249.973+/-0.066 χ^2/NDF: 397238.0/43

All: -252.471+/-0.047 χ^2/NDF: 592093.3/89

- sign -255.114+/-0.068 χ^2/NDF: 191899.0/45

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

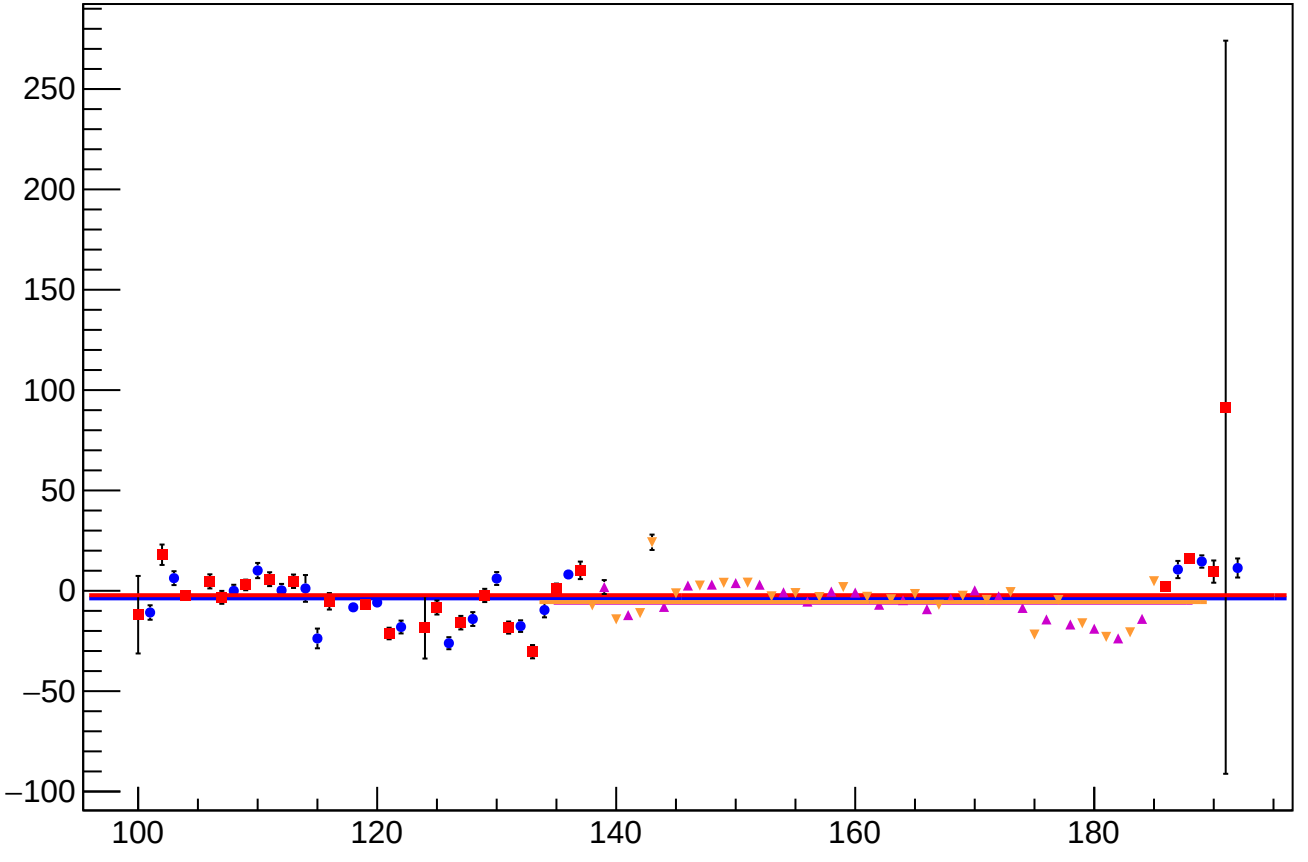
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 8.886+/-0.337 χ^2/NDF: 15033.1/43

All: 6.842+/-0.234 χ^2/NDF: 29577.6/89

- sign 4.924+/-0.326 χ^2/NDF: 14473.0/45

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



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

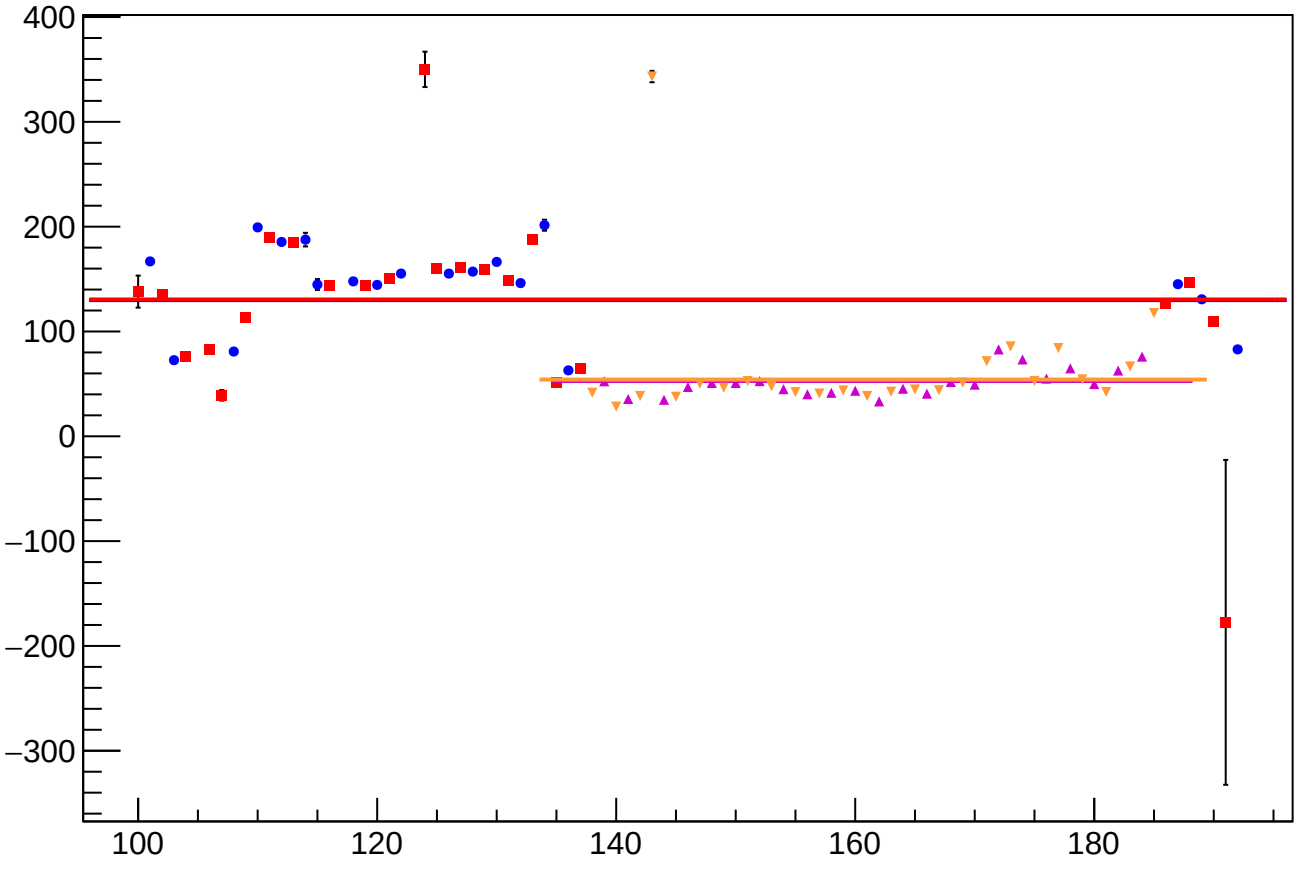
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -5.343+/-0.278 χ^2/NDF: 1159.6/43

All: -5.302+/-0.197 χ^2/NDF: 2196.5/89

- sign -5.261+/-0.280 χ^2/NDF: 1036.8/45

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



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

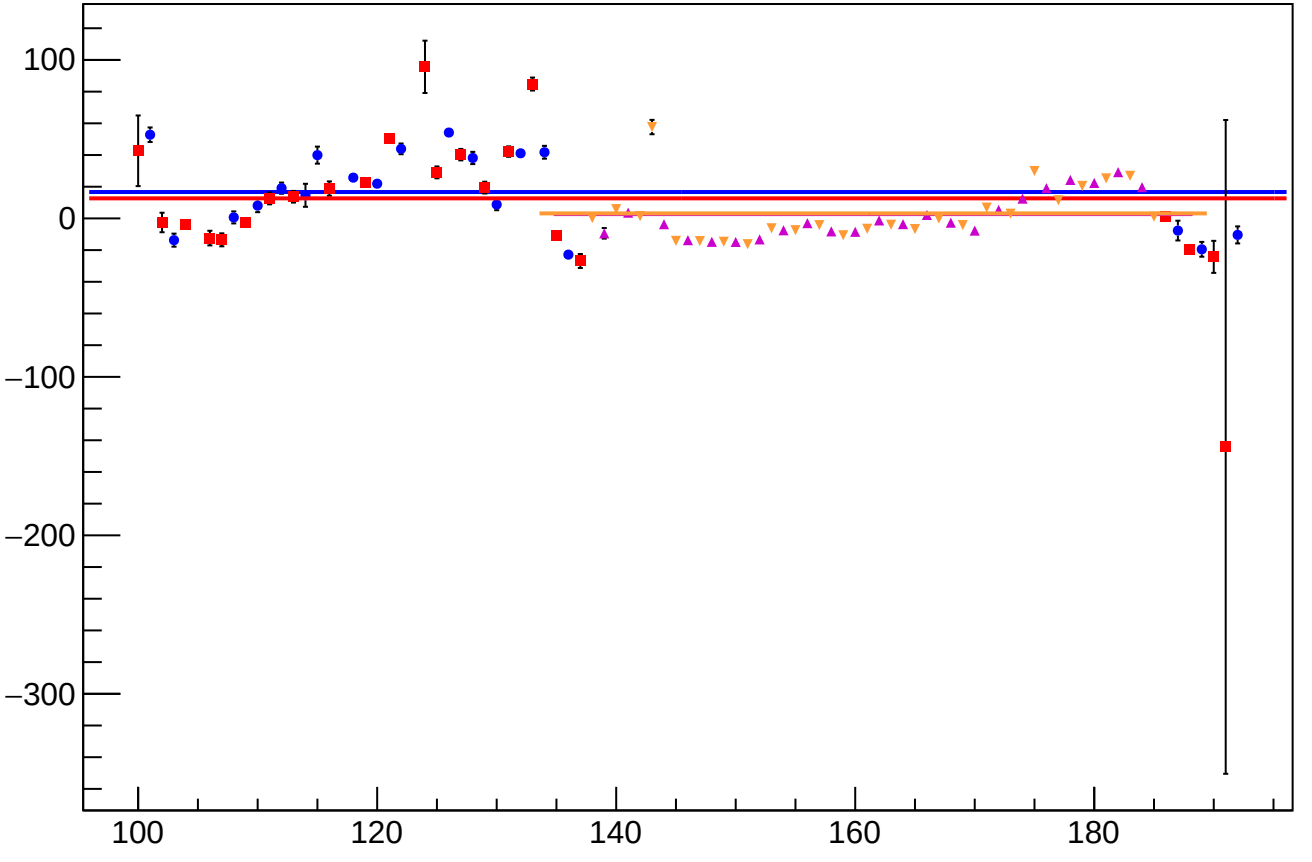
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 71.741+/-0.339 χ^2/NDF: 17307.9/43

All: 74.370+/-0.235 χ^2/NDF: 34272.0/89

- sign 76.803+/-0.326 χ^2/NDF: 16848.5/45

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



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

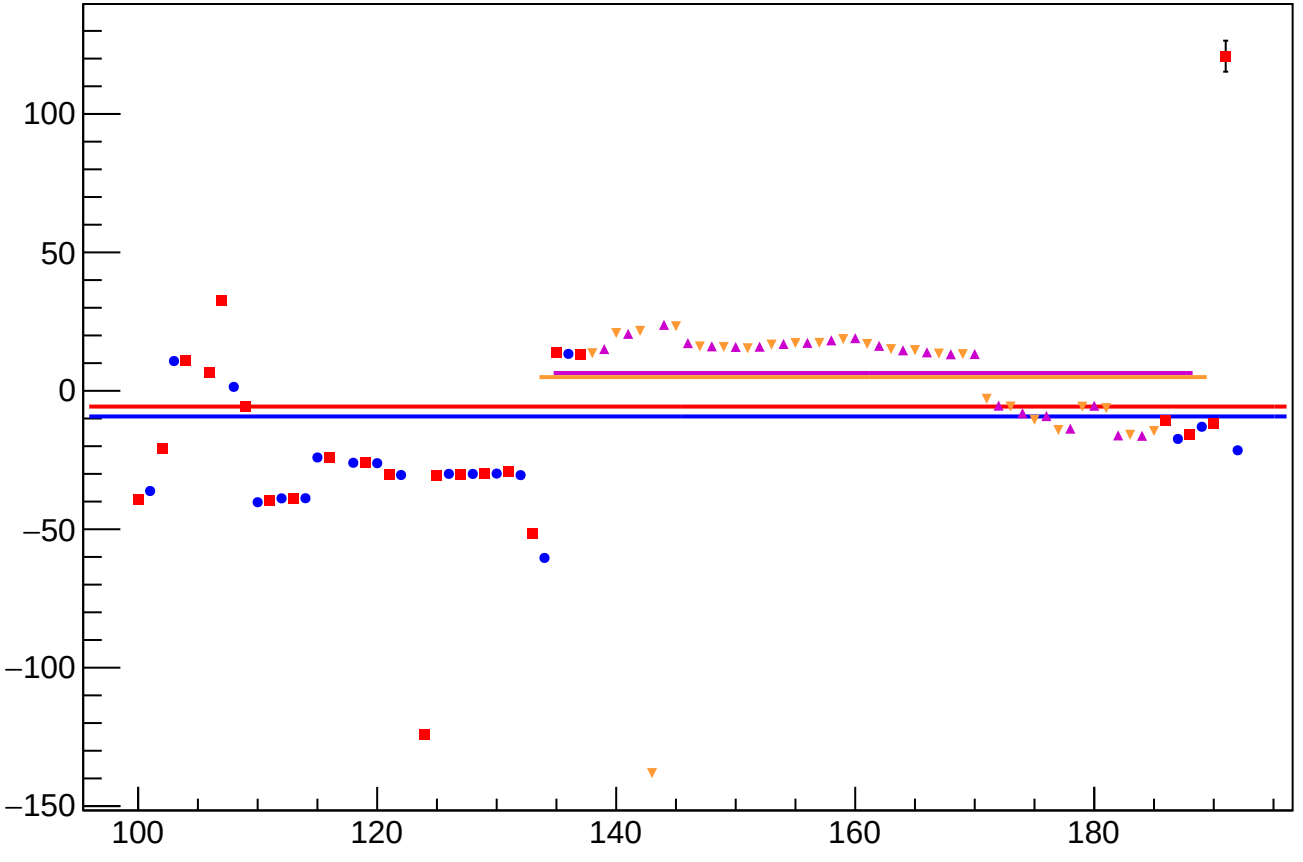
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 5.102+/-0.314 χ^2/NDF: 3206.1/43

All: 4.723+/-0.223 χ^2/NDF: 6171.8/89

- sign 4.338+/-0.317 χ^2/NDF: 2962.8/45

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



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

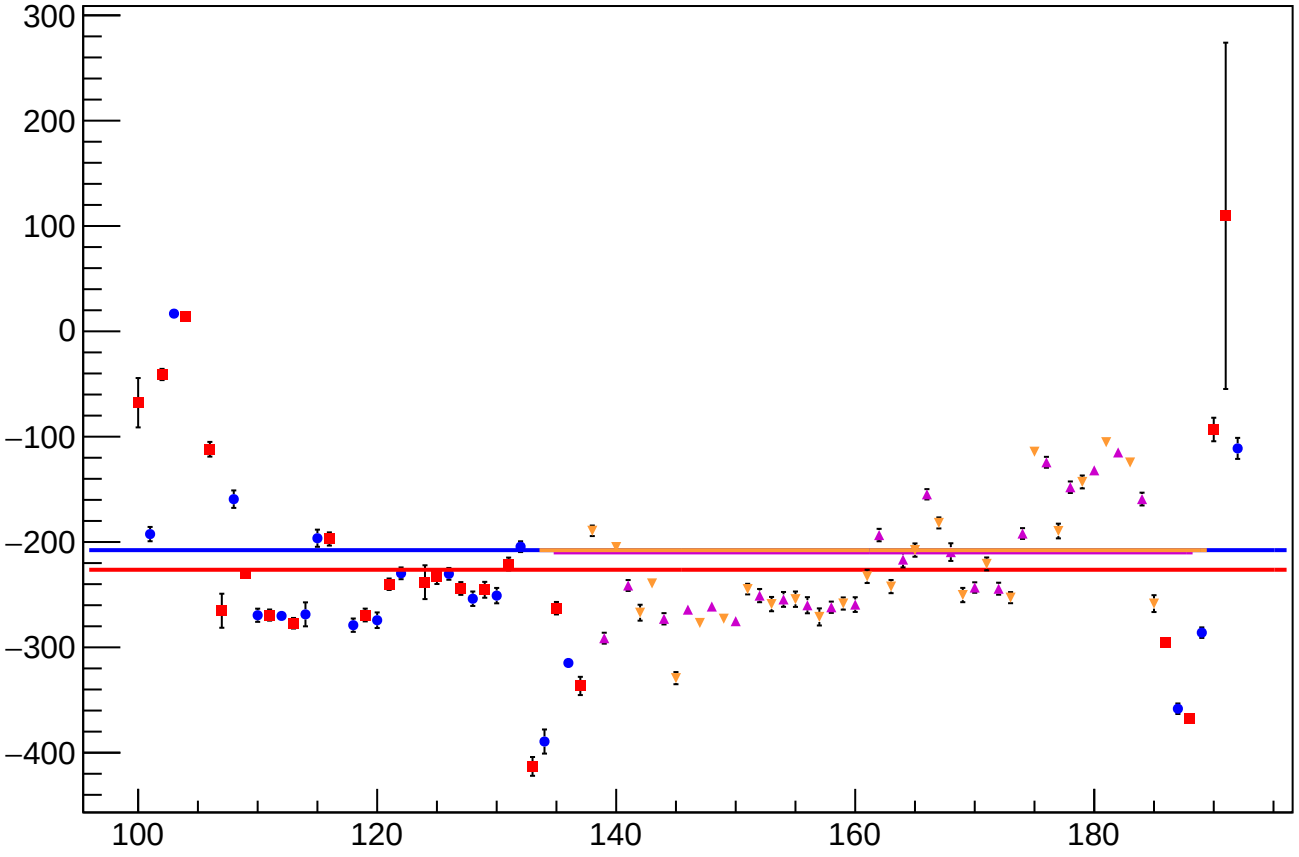
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 3.359+/-0.014 χ^2/NDF: 1508488.3/43

All: 4.224+/-0.010 χ^2/NDF: 2549111.1/89

- sign 5.104+/-0.014 χ^2/NDF: 1033278.9/45

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

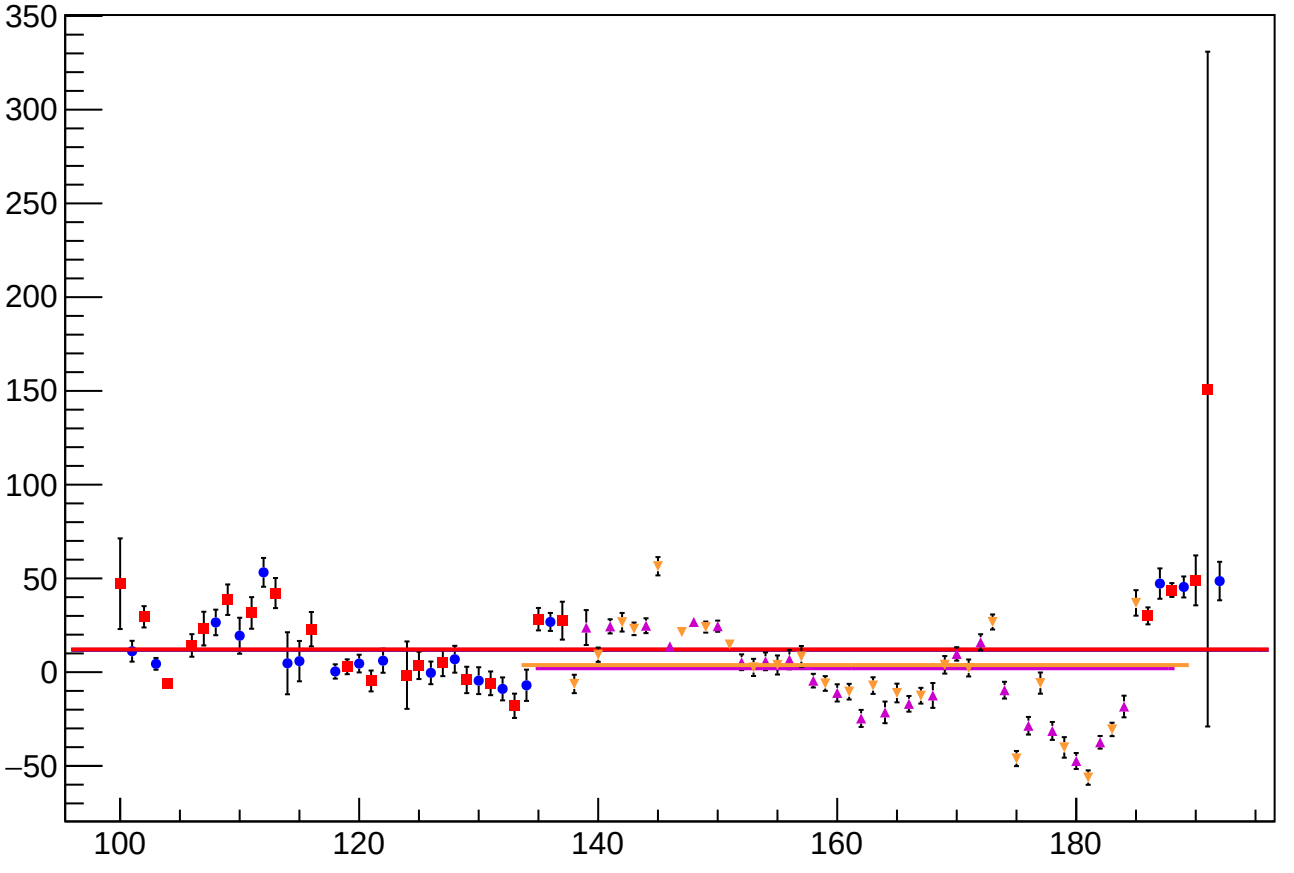
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -207.735+/-0.827 χ^2/NDF: 12094.0/43

All: -212.888+/-0.575 χ^2/NDF: 27012.5/89

- sign -217.687+/-0.798 χ^2/NDF: 14843.6/45

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



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

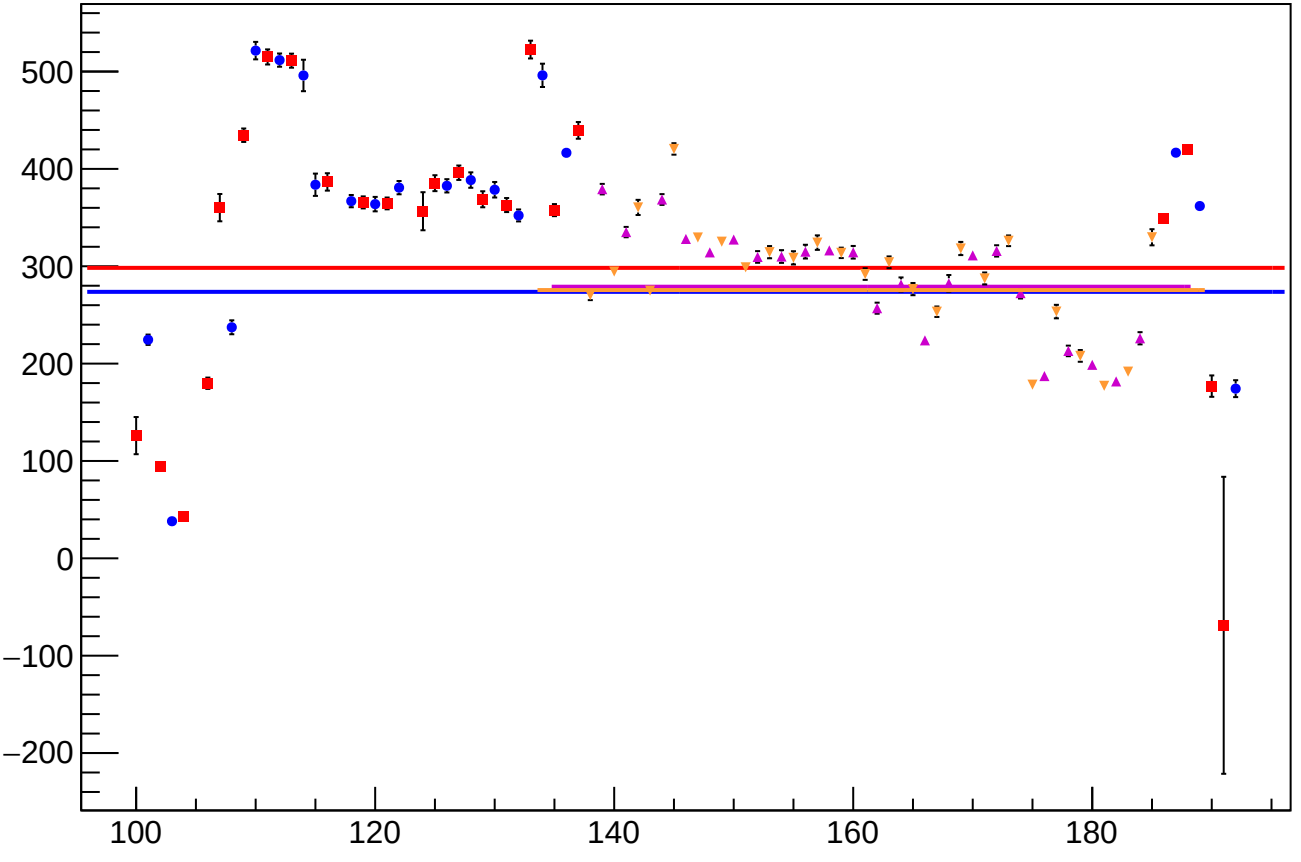
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

\+ sign 5.810+/-0.681 χ^2/NDF: 1155.4/43

All: 5.504+/-0.482 χ^2/NDF: 2233.3/89

\- sign 5.200+/-0.681 χ^2/NDF: 1077.6/45

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



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

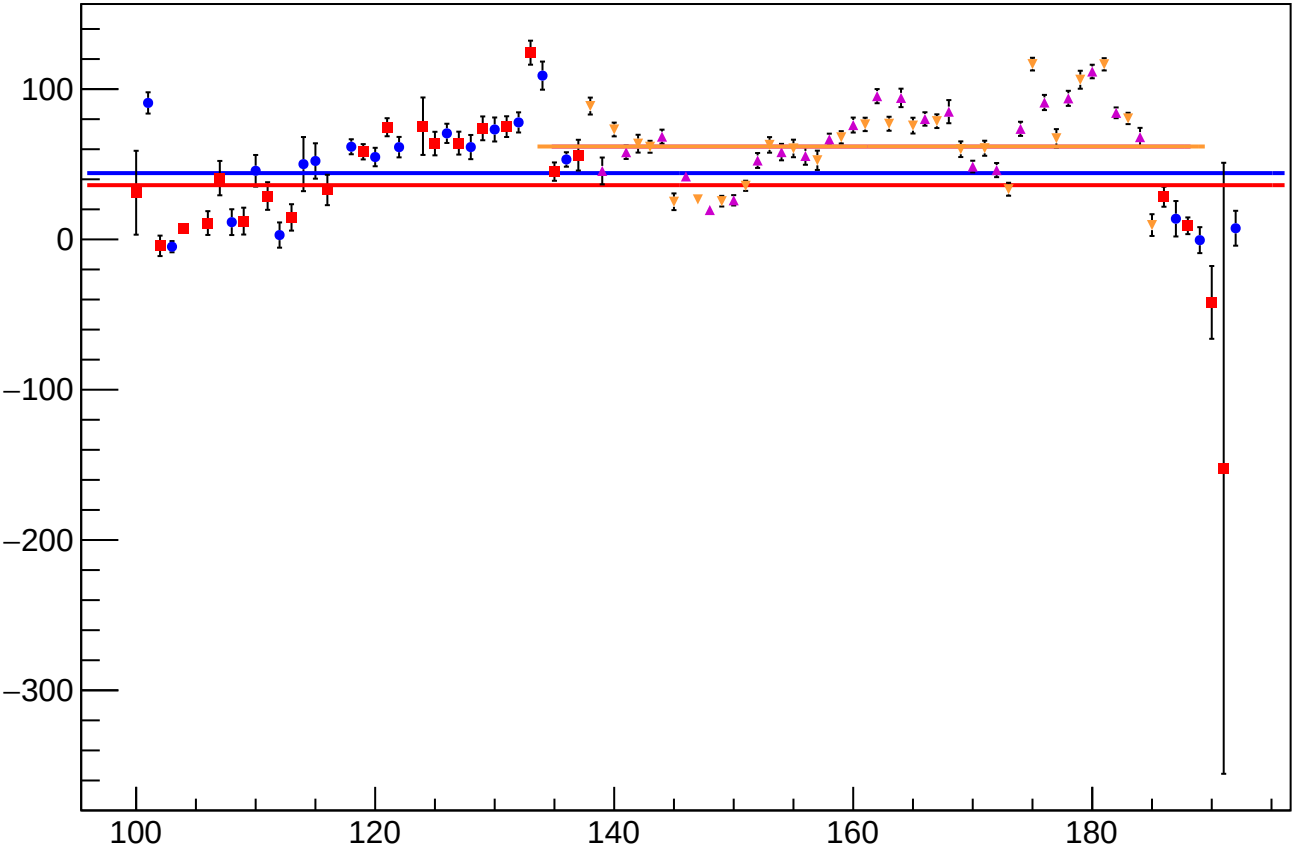
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 274.782+/-0.813 χ^2/NDF: 20723.7/43

All: 282.116+/-0.559 χ^2/NDF: 45329.7/89

- sign 288.680+/-0.769 χ^2/NDF: 24451.9/45

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



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

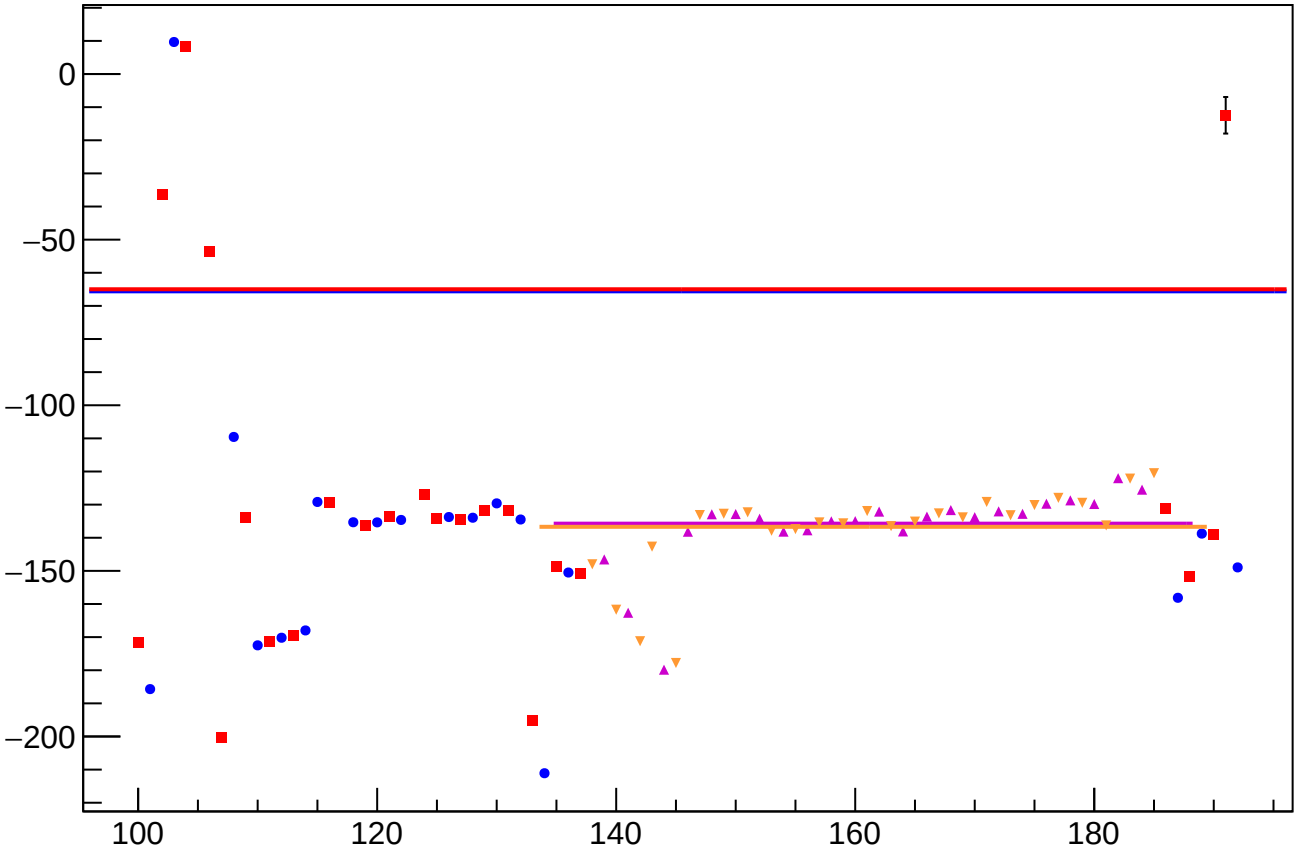
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 57.533+/-0.790 χ^2/NDF: 1483.5/43

All: 56.016+/-0.560 χ^2/NDF: 2895.3/89

- sign 54.483+/-0.794 χ^2/NDF: 1404.3/45

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



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

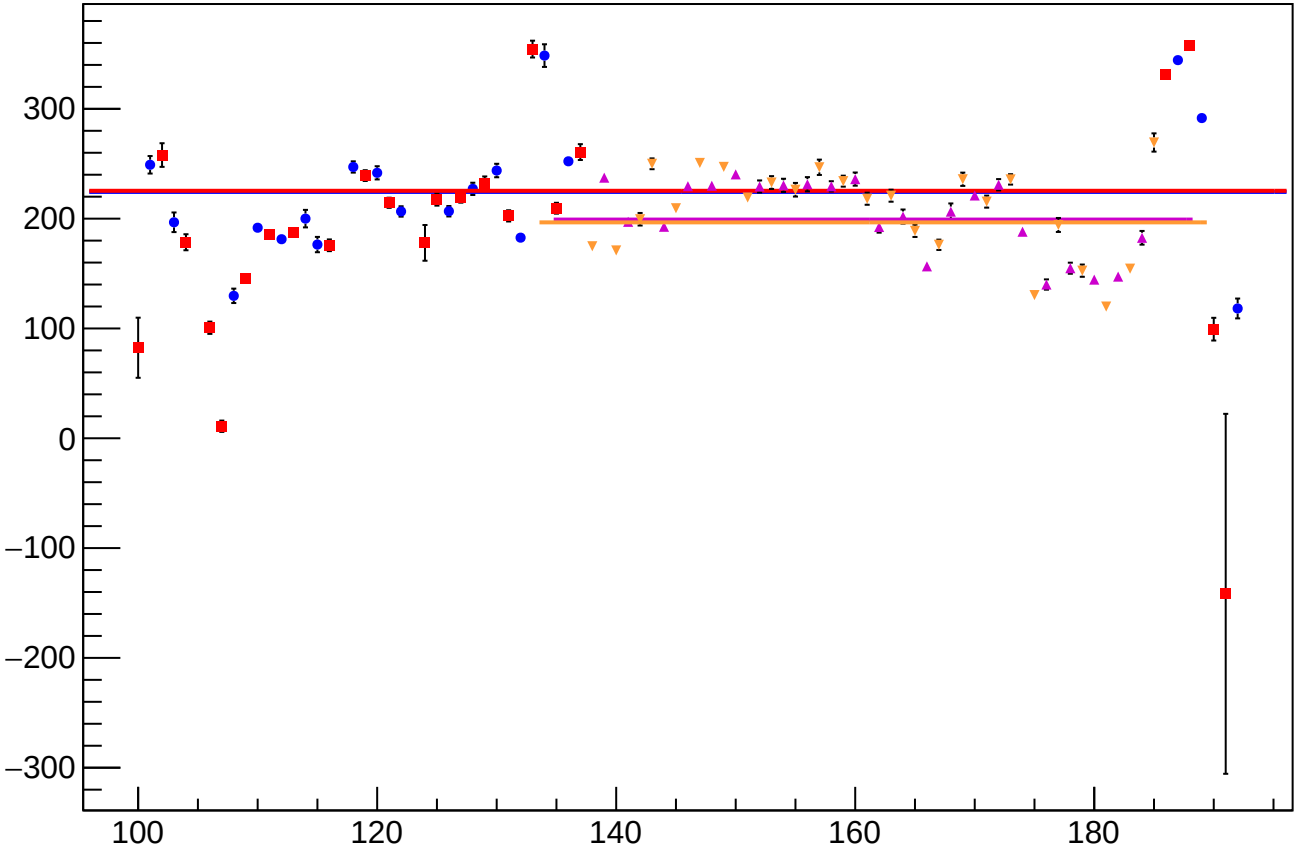
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -117.632+/-0.036 χ^2/NDF: 2176430.3/43

All: -117.264+/-0.026 χ^2/NDF: 3960654.2/89

- sign -116.887+/-0.037 χ^2/NDF: 1784014.4/45

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

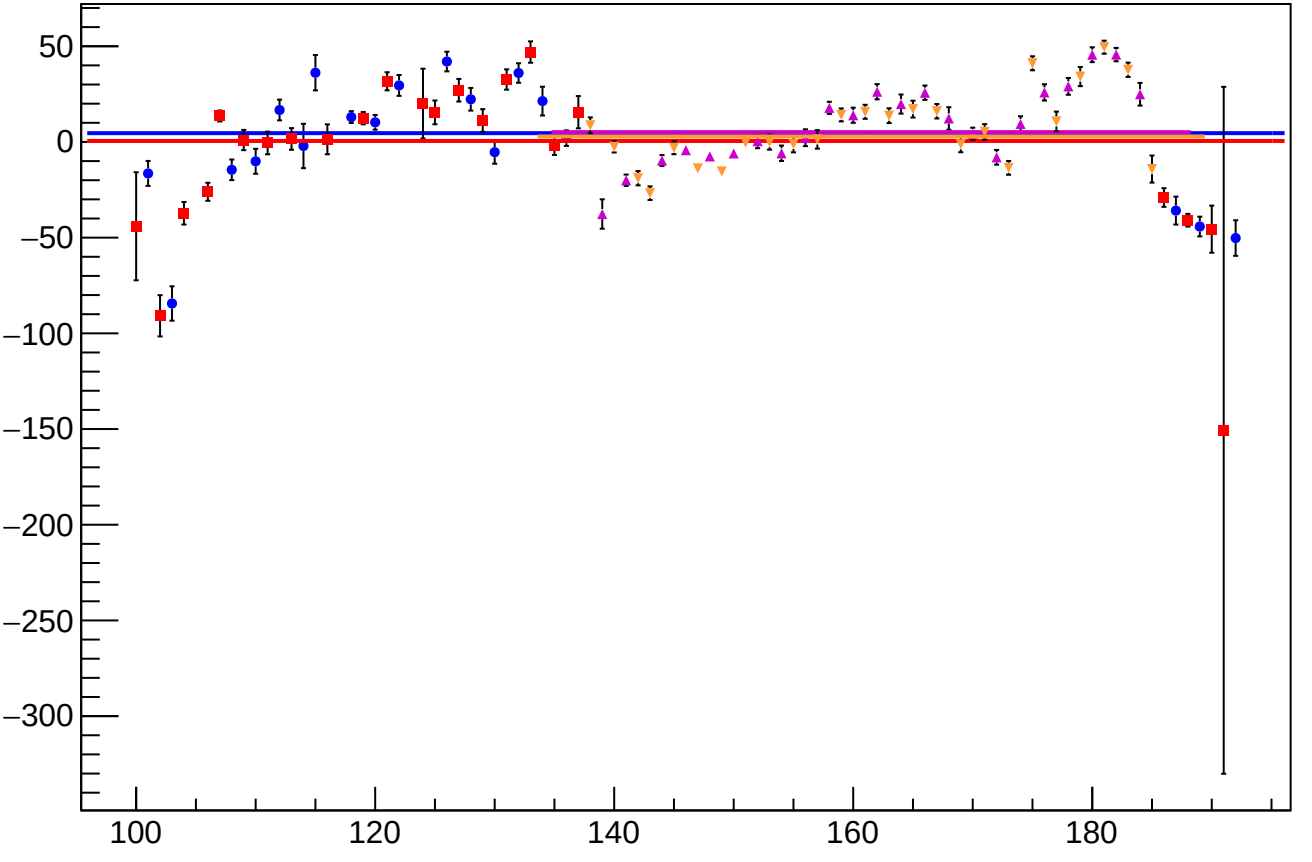
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

\+ sign 207.344+/-0.741 χ^2/NDF: 4358.0/43

All: 209.555+/-0.511 χ^2/NDF: 13625.1/89

\- sign 211.562+/-0.706 χ^2/NDF: 9250.1/45

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



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

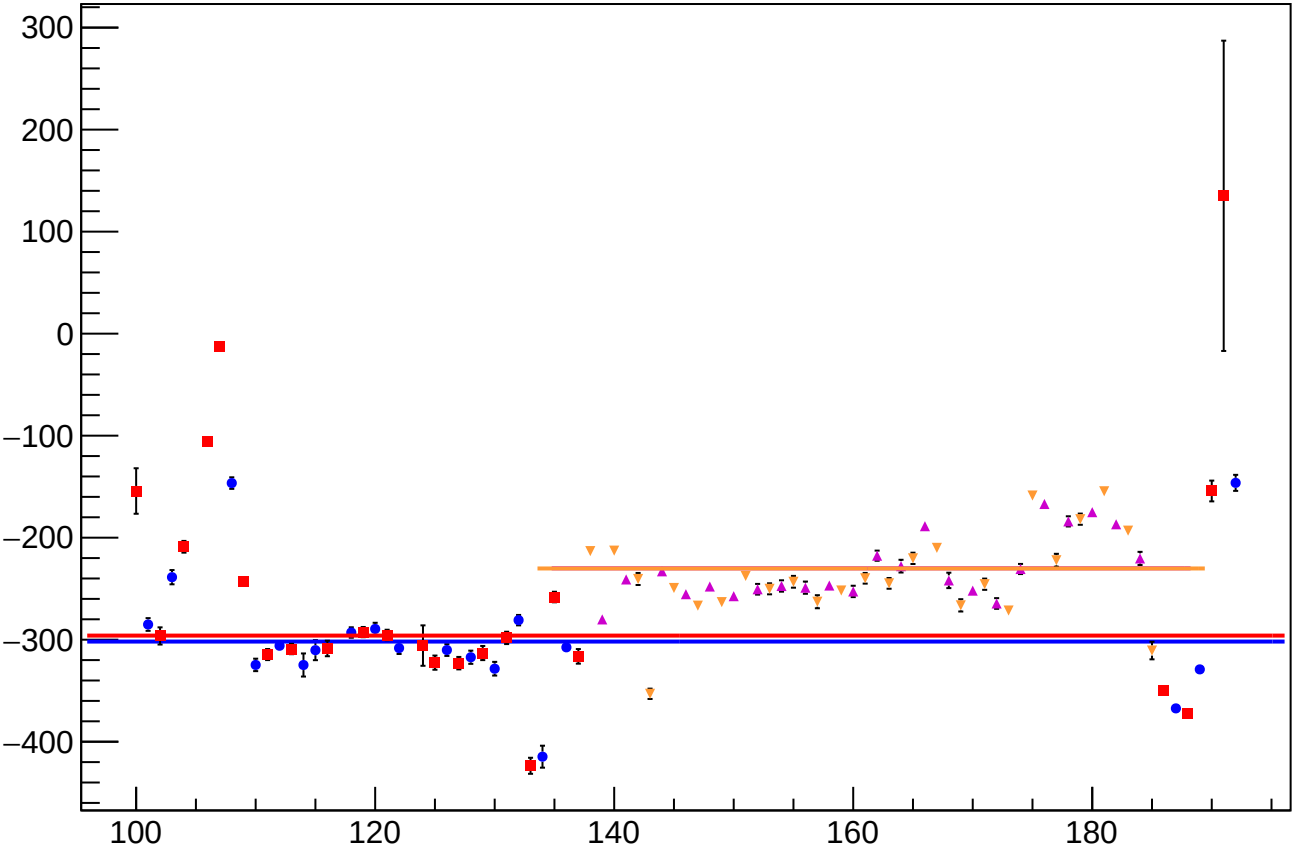
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 3.271+/-0.607 χ^2/NDF: 1191.0/43

All: 3.523+/-0.428 χ^2/NDF: 2404.0/89

- sign 3.772+/-0.603 χ^2/NDF: 1212.6/45

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



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

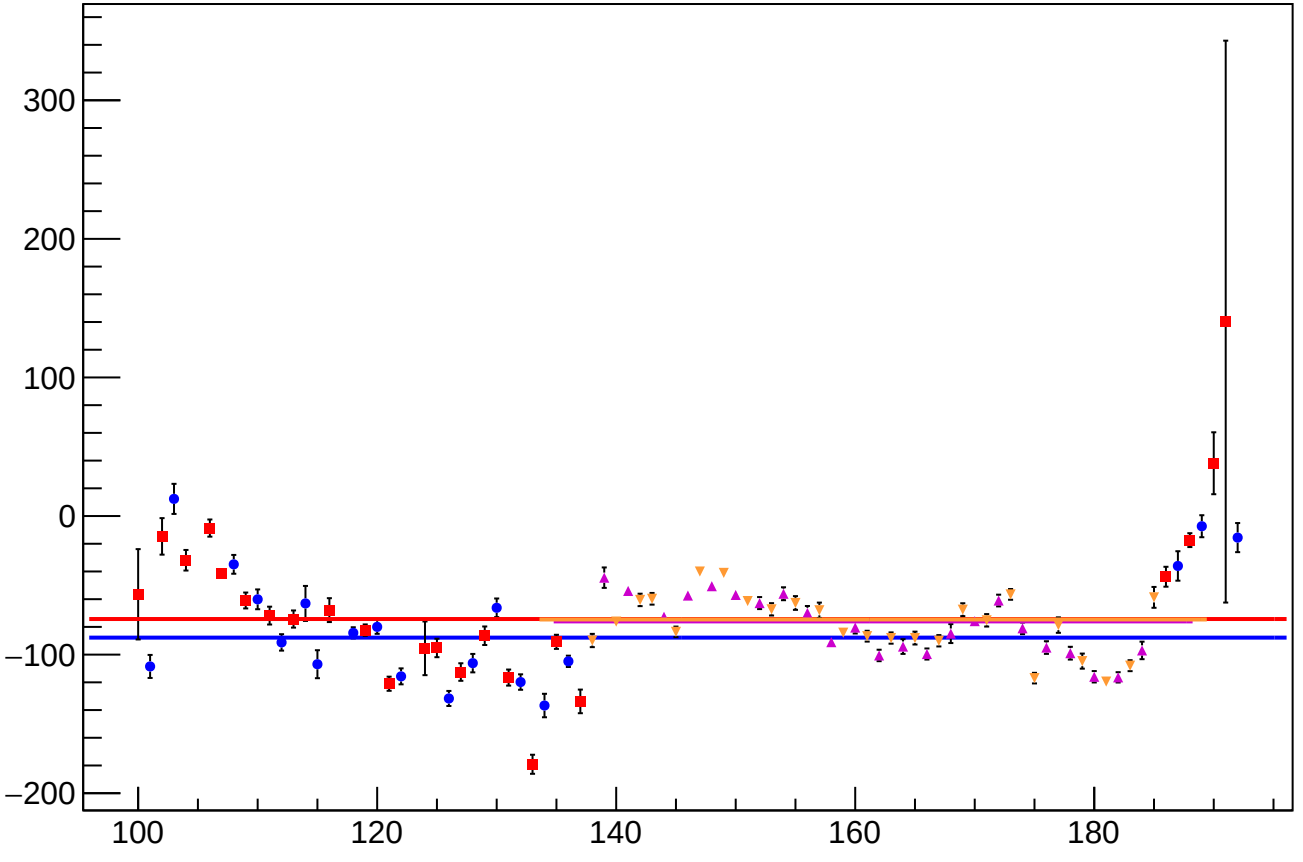
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

\+ sign -255.579+/-0.754 χ^2/NDF: 6024.2/43

All: -258.063+/-0.516 χ^2/NDF: 17914.7/89

\- sign -260.247+/-0.707 χ^2/NDF: 11870.1/45

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



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

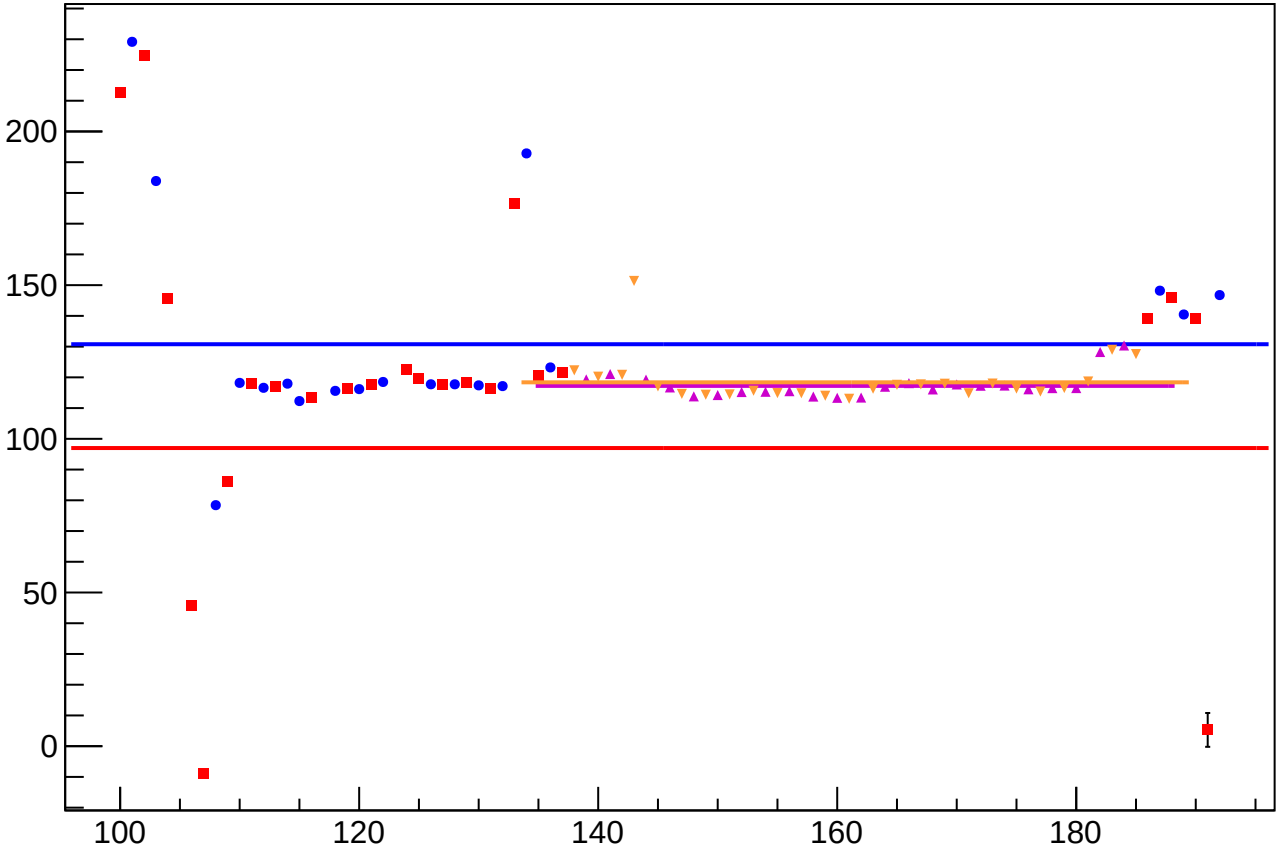
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -77.618+/-0.704 χ^2/NDF: 1433.9/43

All: -76.585+/-0.497 χ^2/NDF: 2994.3/89

- sign -75.556+/-0.702 χ^2/NDF: 1556.0/45

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



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

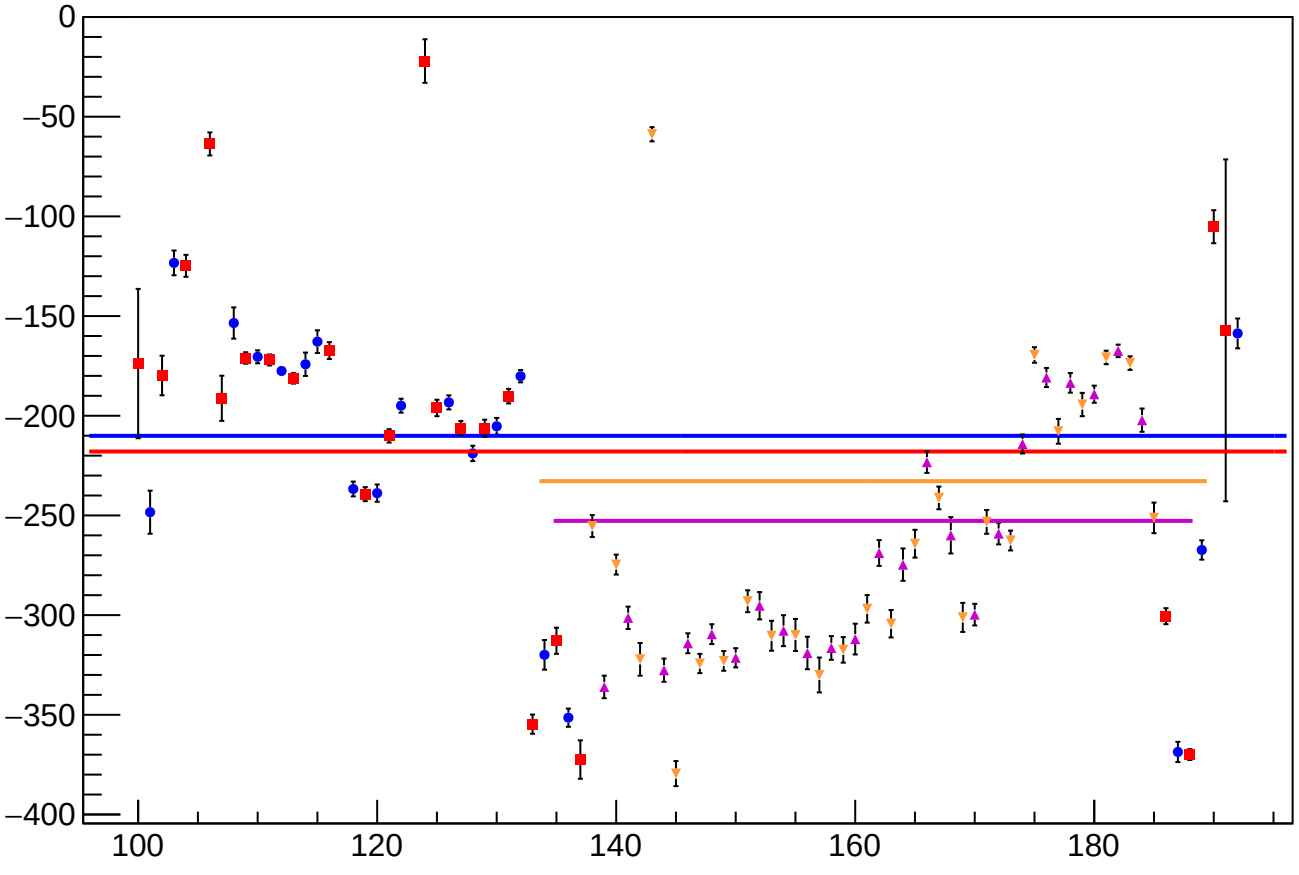
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 120.455+/-0.034 χ^2/NDF: 241294.7/43

All: 116.750+/-0.024 χ^2/NDF: 986289.5/89

- sign 113.137+/-0.034 χ^2/NDF: 721564.7/45

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



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

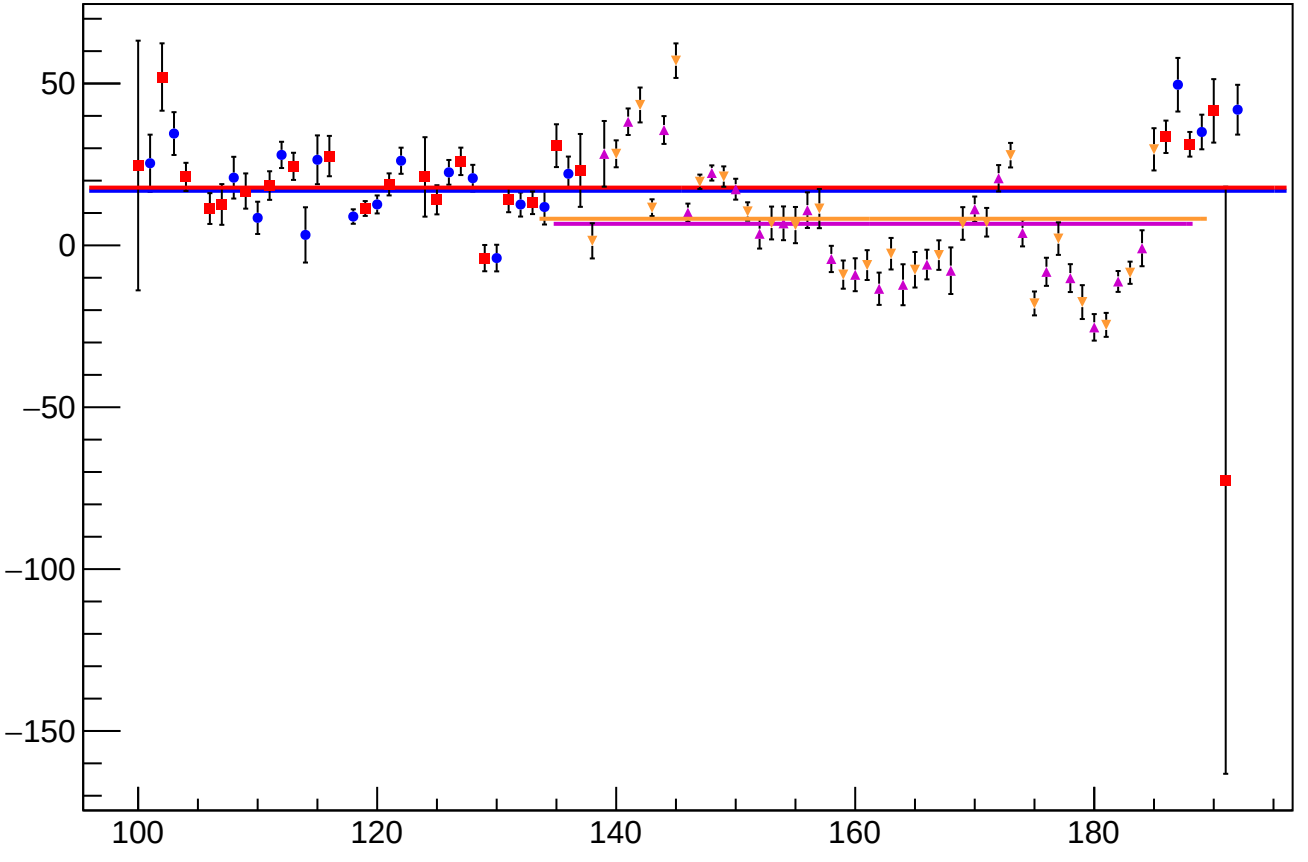
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -220.358+/-0.721 χ^2/NDF: 9274.4/43

All: -225.964+/-0.502 χ^2/NDF: 20234.5/89

- sign -231.231+/-0.699 χ^2/NDF: 10843.0/45

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



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

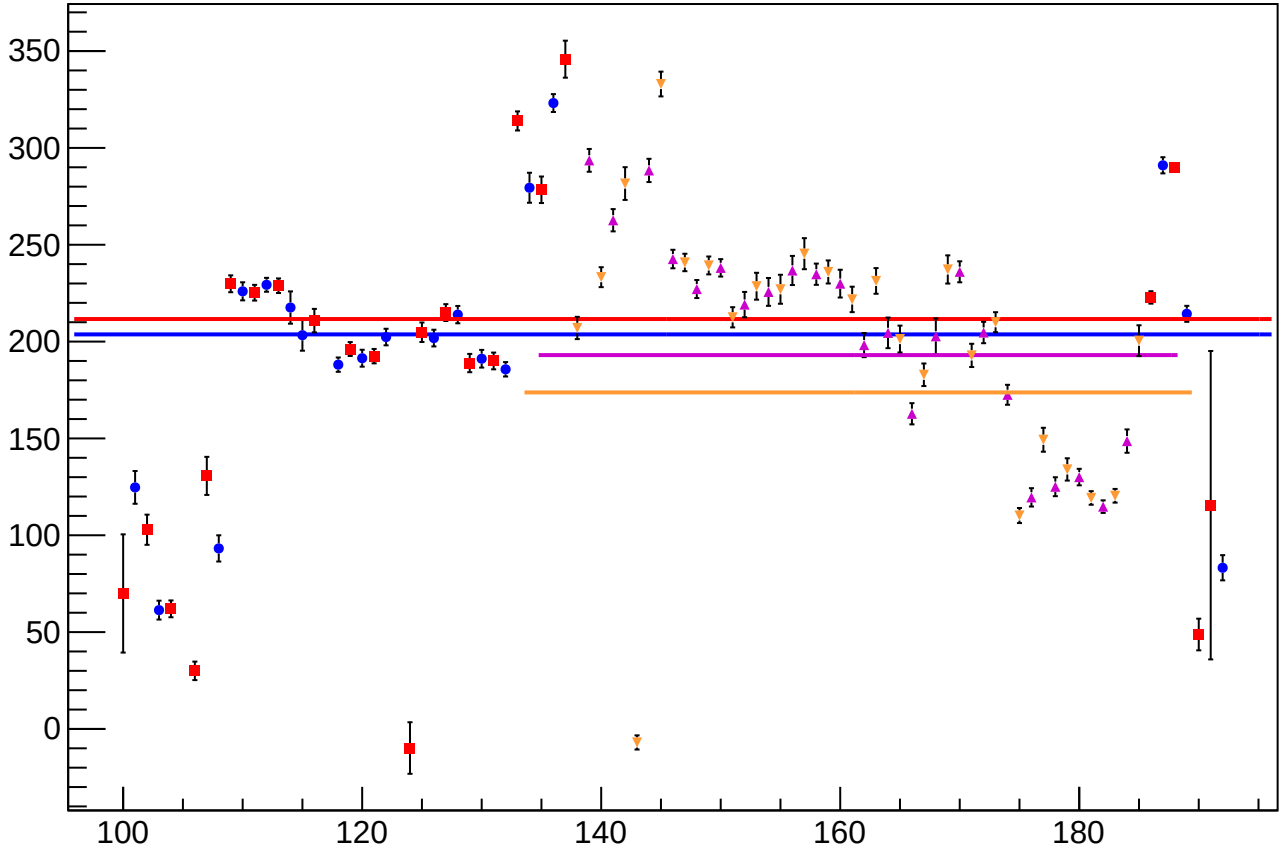
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 11.561+/-0.629 χ^2/NDF: 615.4/43

All: 11.549+/-0.450 χ^2/NDF: 1140.3/89

- sign 11.536+/-0.645 χ^2/NDF: 525.0/45

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



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

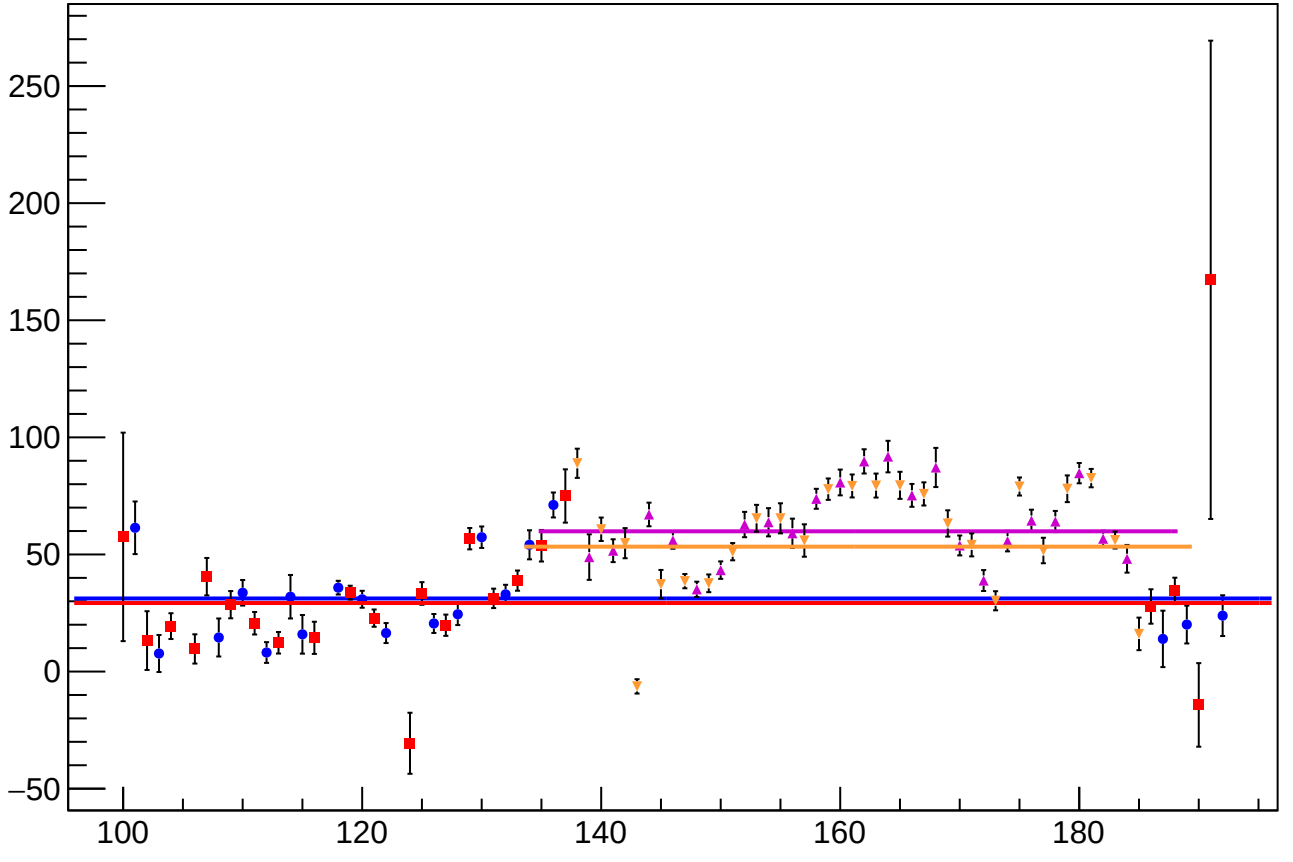
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 188.413+/-0.764 χ^2/NDF: 8545.1/43

All: 196.398+/-0.528 χ^2/NDF: 17157.5/89

- sign 203.728+/-0.732 χ^2/NDF: 8402.6/45

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.210+/-1.186 χ^2/NDF: 181.9/18

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 29.263+/-1.153 χ^2/NDF: 149.5/22

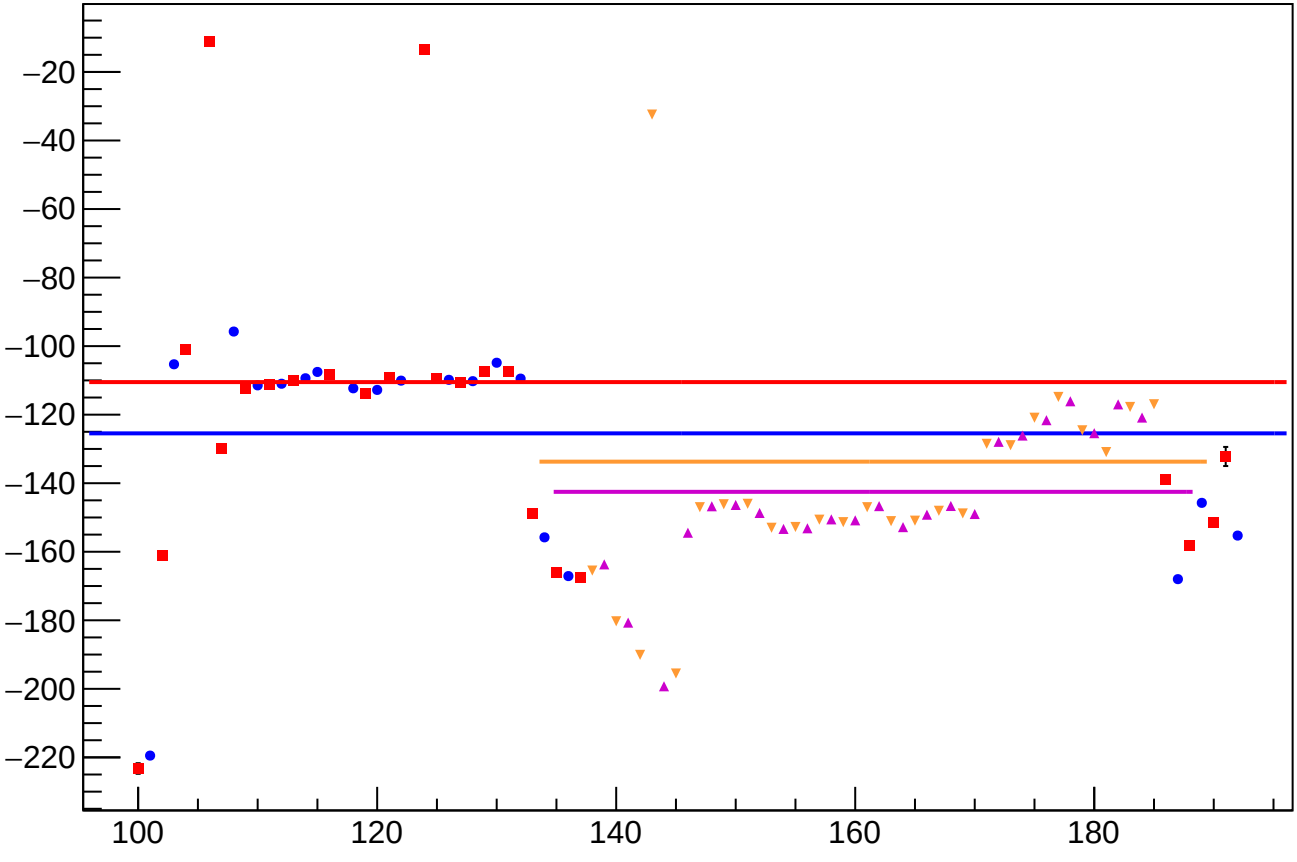
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 45.000+/-0.728 χ^2/NDF: 1177.7/43

All: 46.023+/-0.521 χ^2/NDF: 1993.0/89

- sign 47.096+/-0.745 χ^2/NDF: 811.2/45

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



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

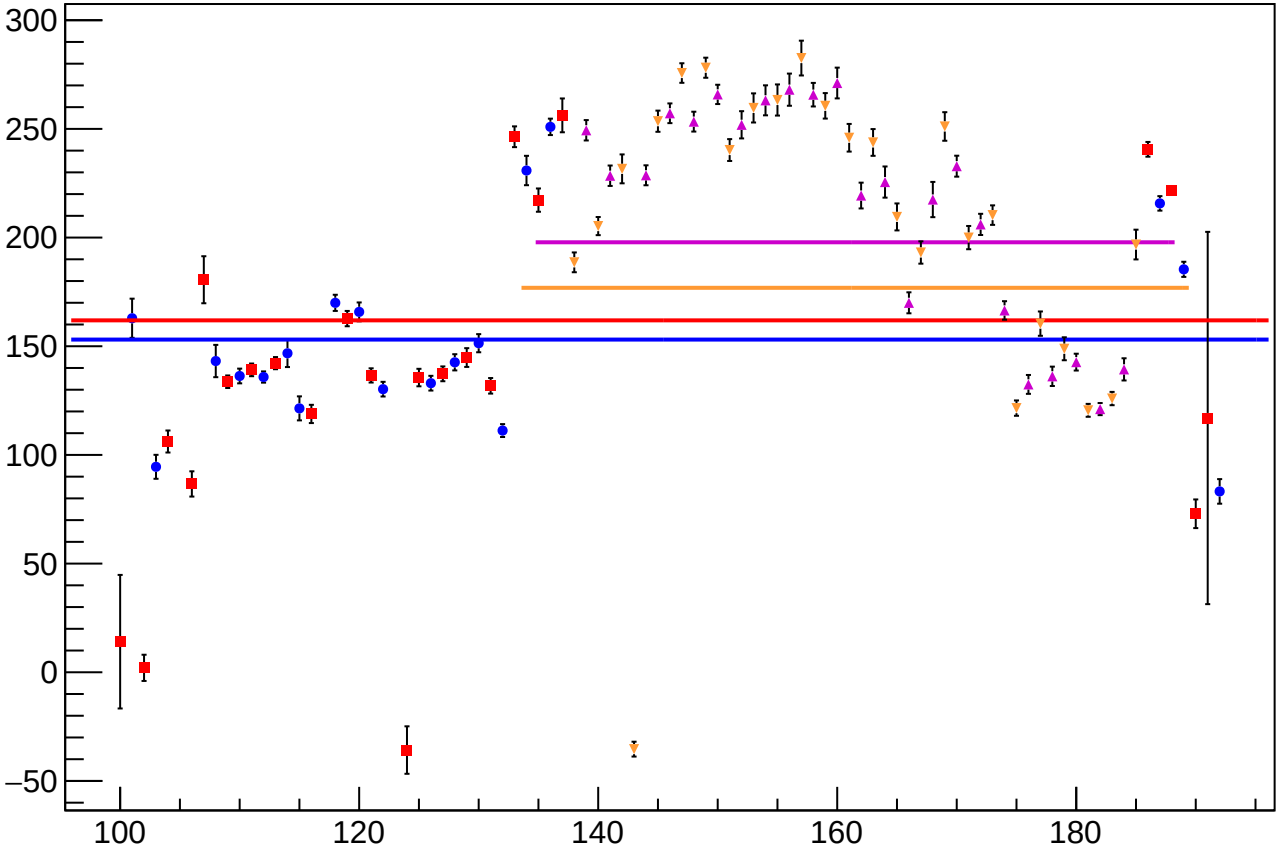
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -131.630+/-0.037 χ^2/NDF: 826889.6/43

All: -132.540+/-0.026 χ^2/NDF: 1550970.2/89

- sign -133.478+/-0.038 χ^2/NDF: 722854.7/45

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



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

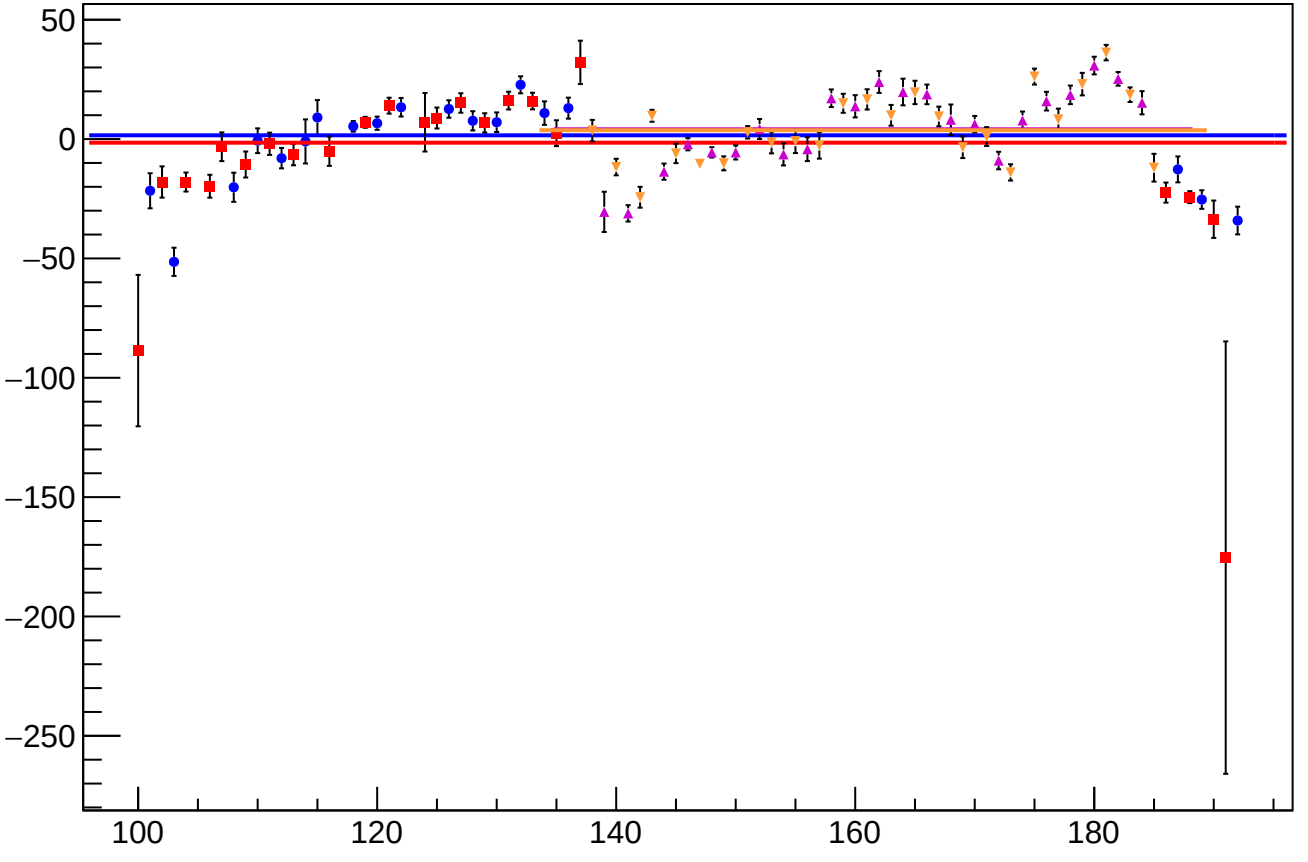
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 164.421+/-0.661 χ^2/NDF: 9680.3/43

All: 170.525+/-0.457 χ^2/NDF: 17892.6/89

- sign 176.116+/-0.633 χ^2/NDF: 8048.9/45

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



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

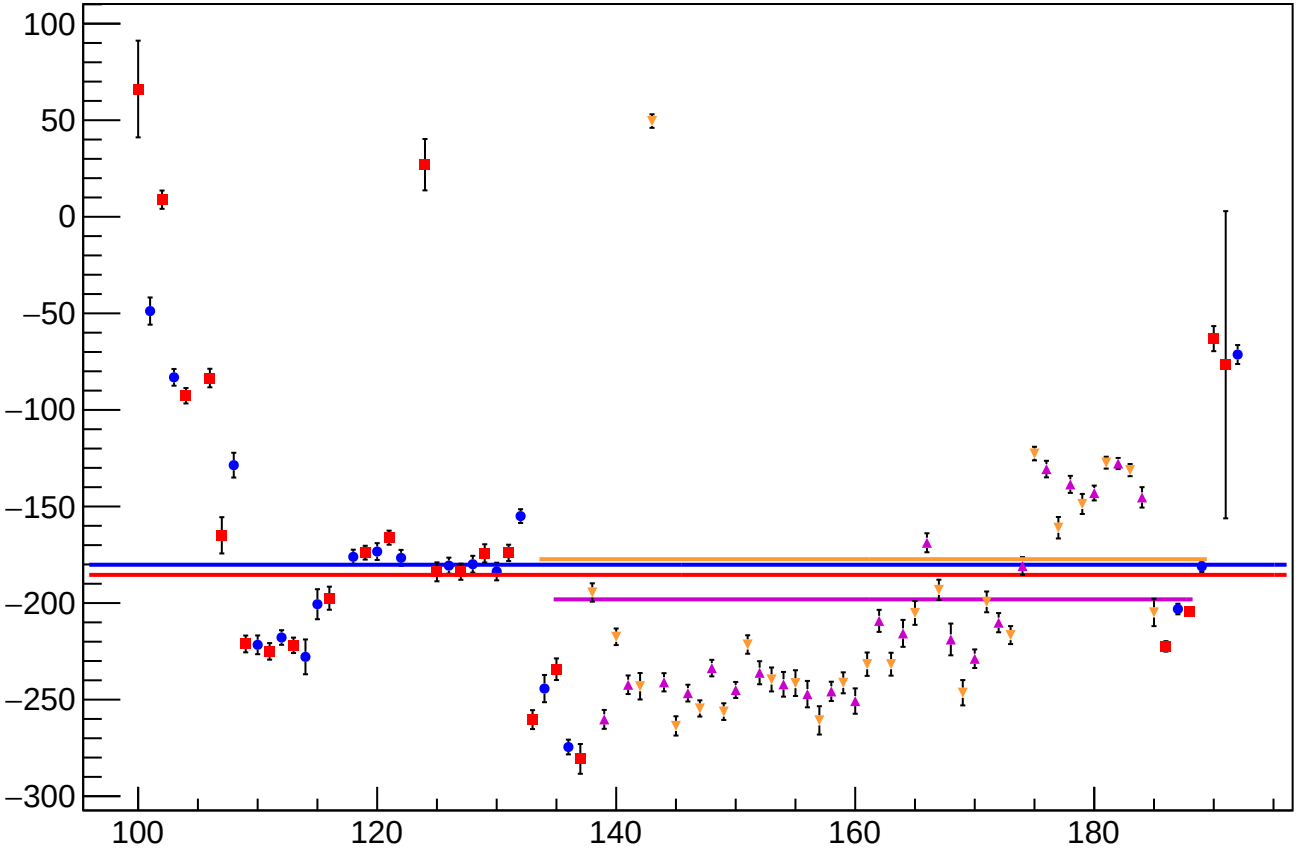
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 2.935+/-0.577 χ^2/NDF: 679.9/43

All: 2.358+/-0.412 χ^2/NDF: 1405.3/89

- sign 1.762+/-0.587 χ^2/NDF: 723.4/45

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



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

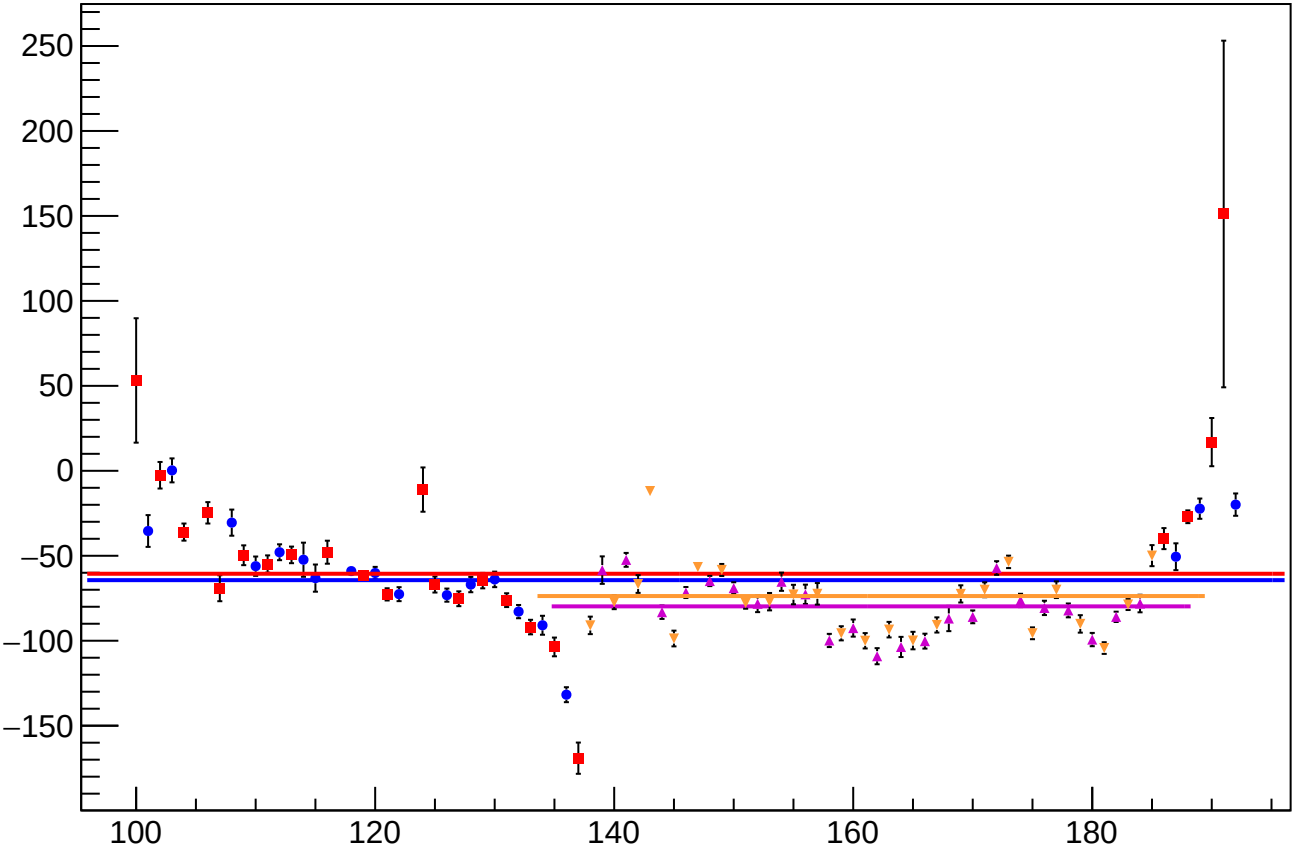
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -178.686+/-0.684 χ^2/NDF: 9477.4/43

All: -185.038+/-0.467 χ^2/NDF: 16633.3/89

- sign -190.565+/-0.638 χ^2/NDF: 6994.7/45

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



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

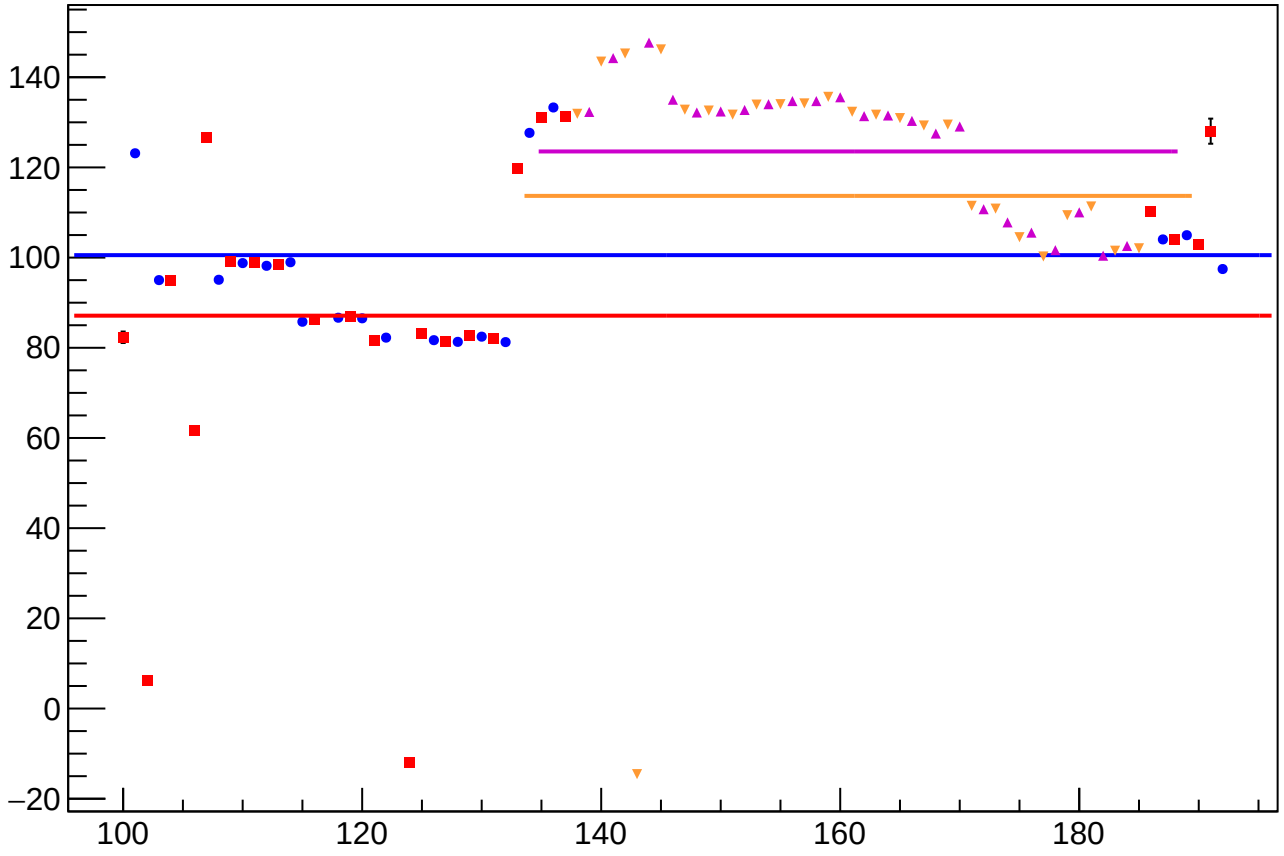
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -70.430+/-0.668 χ^2/NDF: 1405.1/43

All: -71.341+/-0.477 χ^2/NDF: 2443.2/89

- sign -72.292+/-0.683 χ^2/NDF: 1034.3/45

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



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

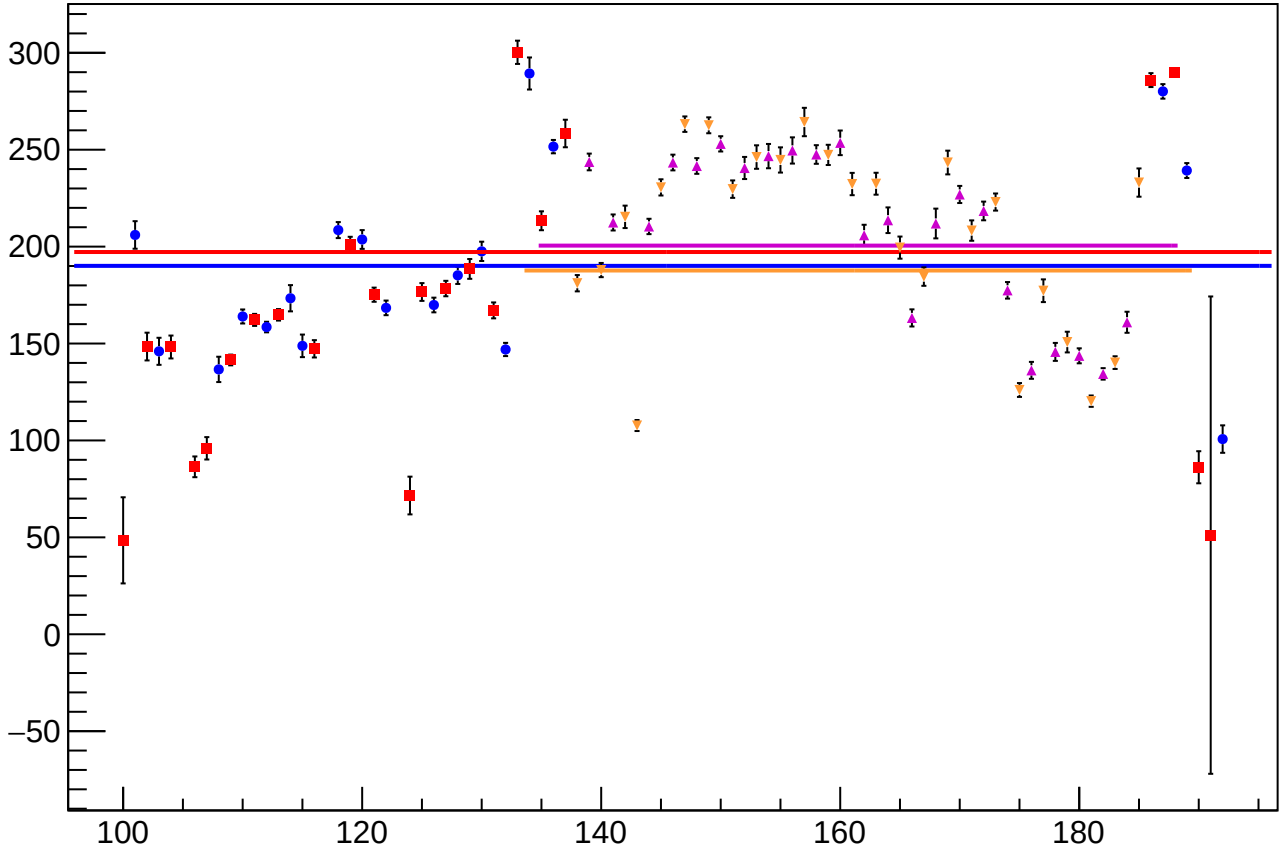
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 110.427+/-0.033 χ^2/NDF: 1060281.7/43

All: 111.917+/-0.024 χ^2/NDF: 1710154.5/89

- sign 113.446+/-0.034 χ^2/NDF: 645805.6/45

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 190.074+/-1.000 χ^2/NDF: 1967.8/18

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

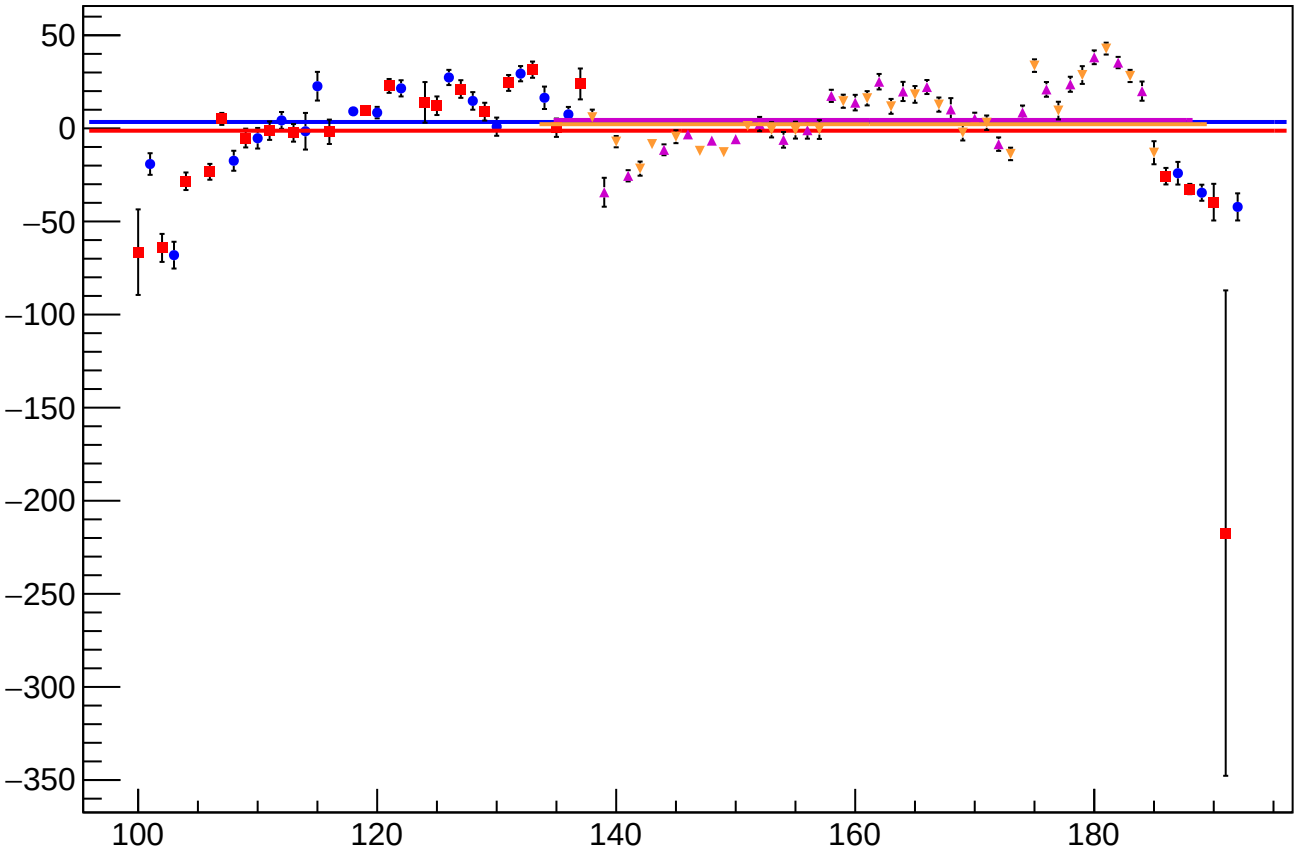
Right Out: 197.216+/-0.875 χ^2/NDF: 5333.7/22

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.749+/-0.668 χ^2/NDF: 5499.3/43

All: 193.910+/-0.464 χ^2/NDF: 13066.3/89

- sign 198.723+/-0.645 χ^2/NDF: 7451.6/45



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

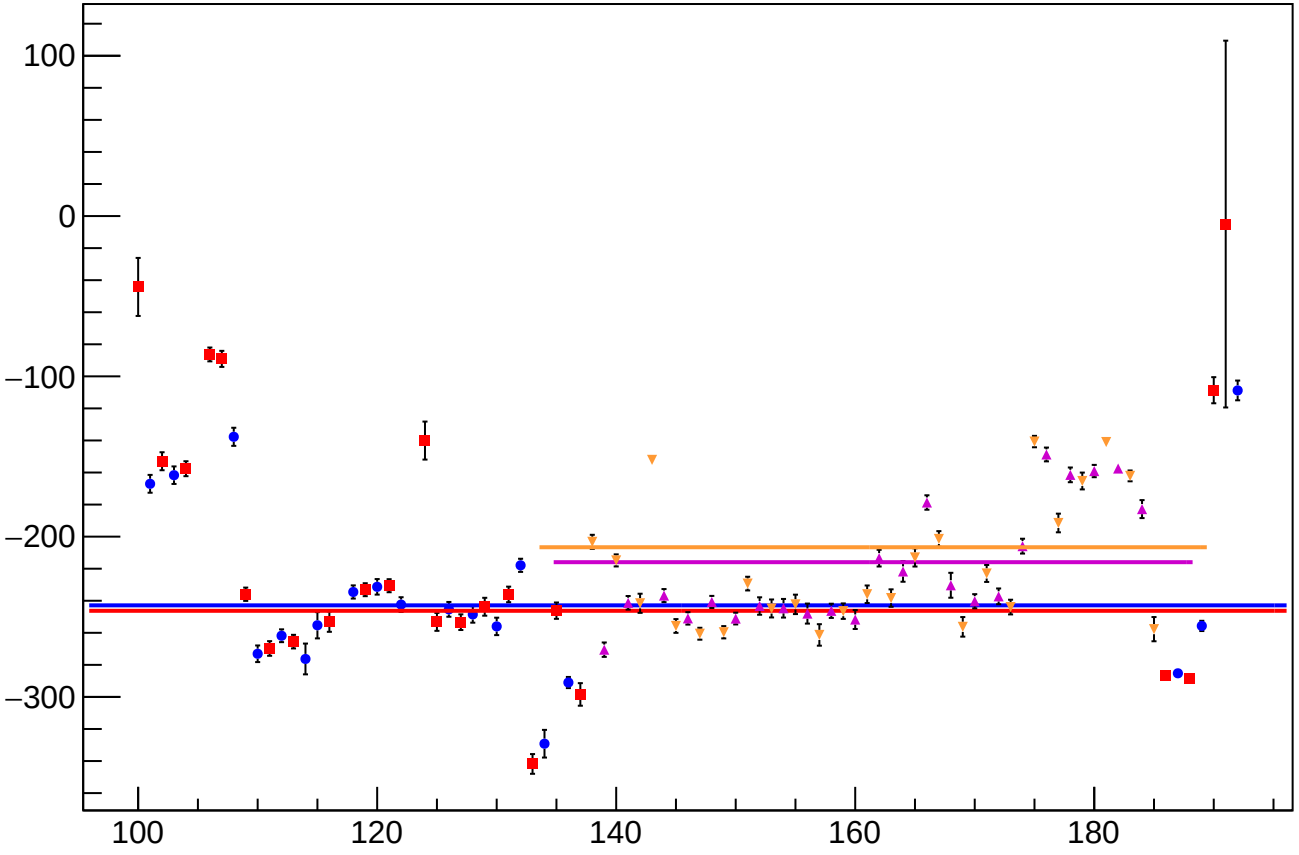
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.583+/-0.562 χ^2/NDF: 988.4/43

All: 2.524+/-0.401 χ^2/NDF: 2076.4/89

- sign 2.463+/-0.574 χ^2/NDF: 1088.0/45

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -242.871+/-1.069 χ^2/NDF: 1849.0/18

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

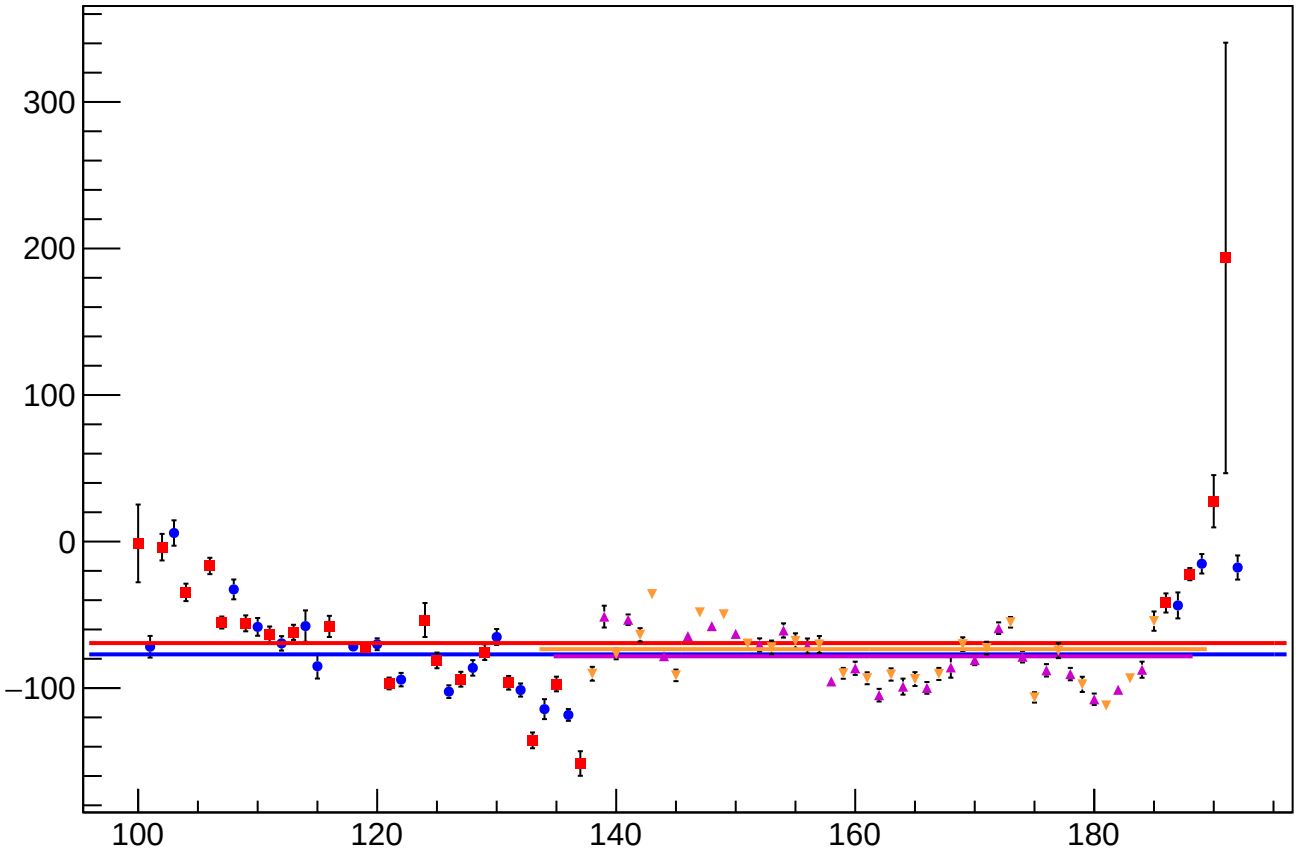
Right Out: -246.264+/-0.892 χ^2/NDF: 4787.6/22

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.544+/-0.686 χ^2/NDF: 4992.8/43

All: -227.058+/-0.472 χ^2/NDF: 12158.5/89

- sign -231.991+/-0.649 χ^2/NDF: 7043.4/45



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

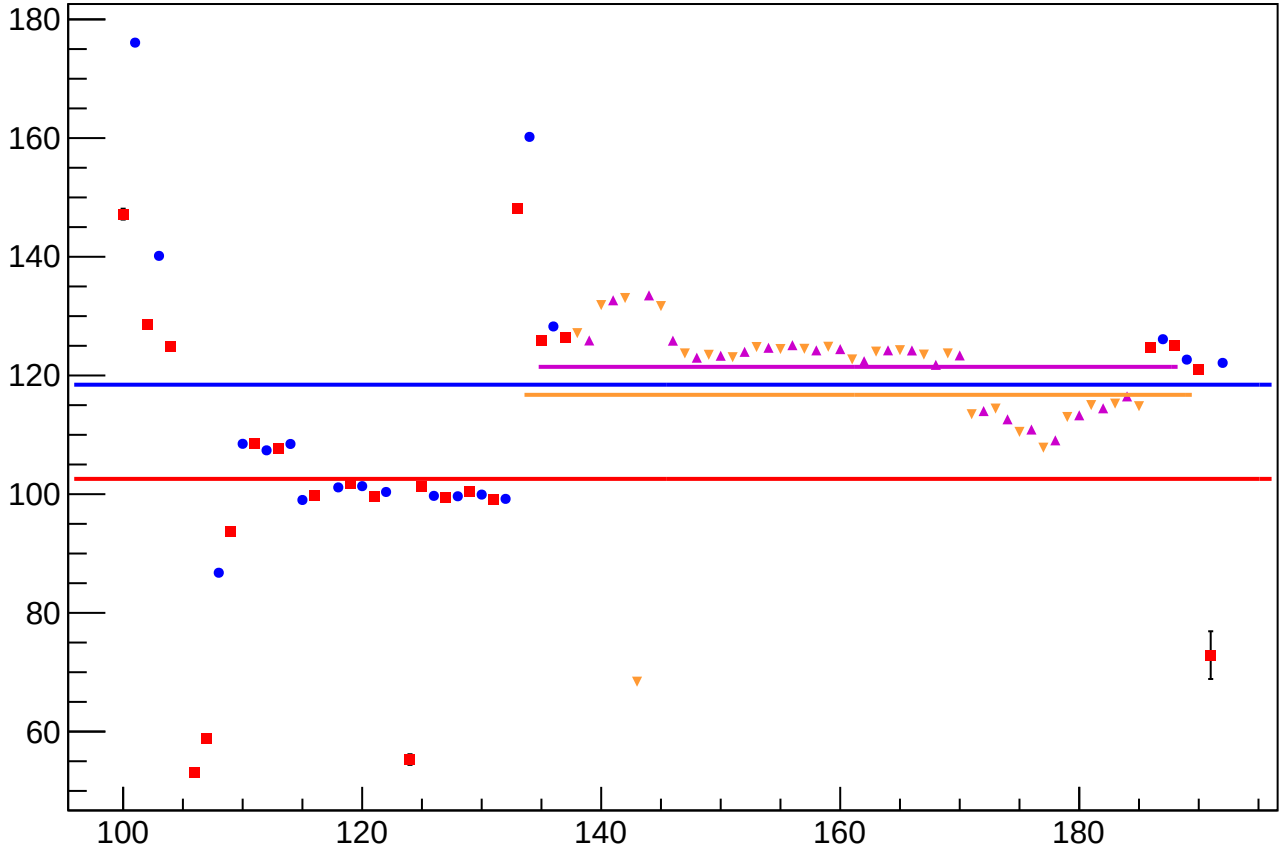
Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -74.415+/-0.652 χ^2/NDF: 1374.0/43

All: -74.857+/-0.466 χ^2/NDF: 2634.7/89

- sign -75.321+/-0.668 χ^2/NDF: 1259.8/45

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



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

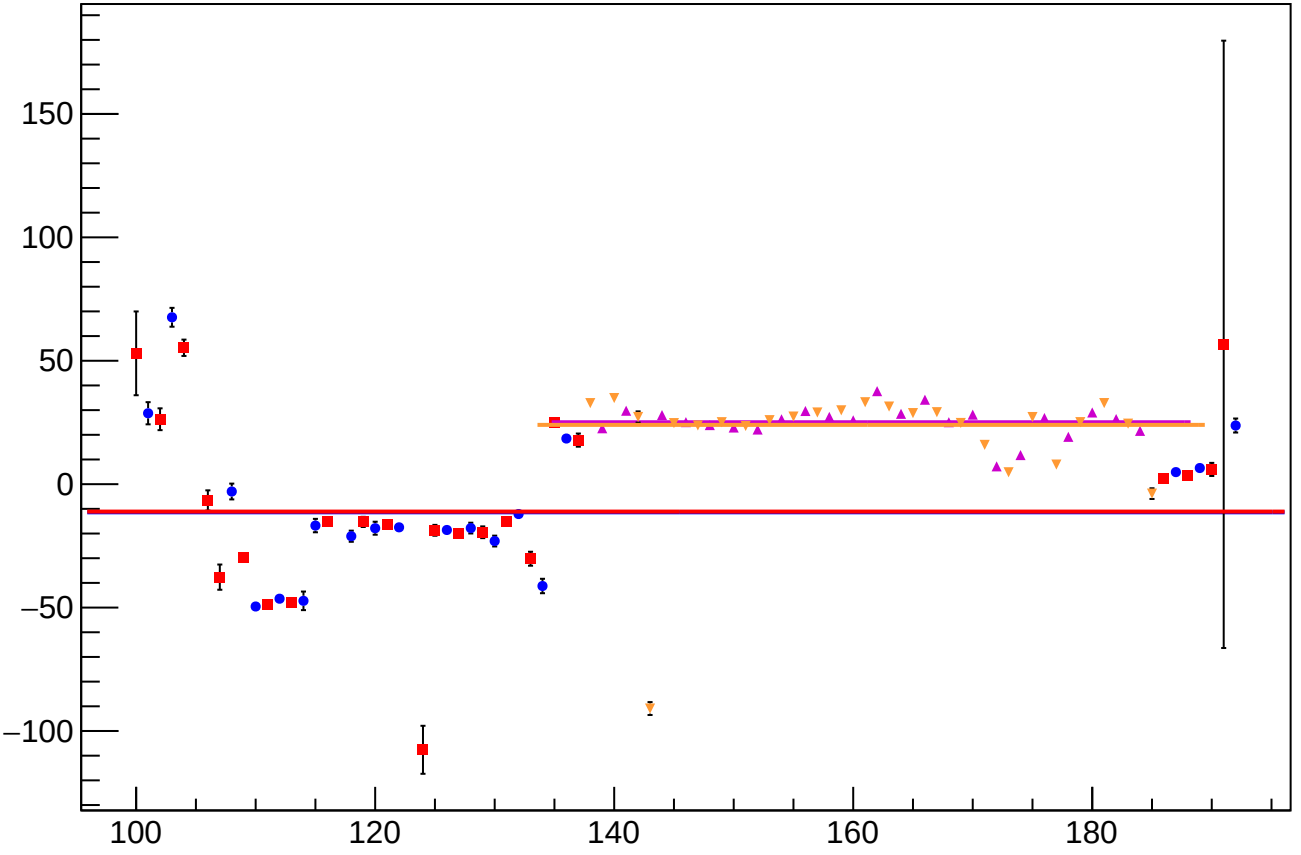
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.078+/-0.032 χ^2/NDF: 300212.5/43

All: 116.983+/-0.023 χ^2/NDF: 572485.9/89

- sign 116.886+/-0.032 χ^2/NDF: 272255.9/45

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



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

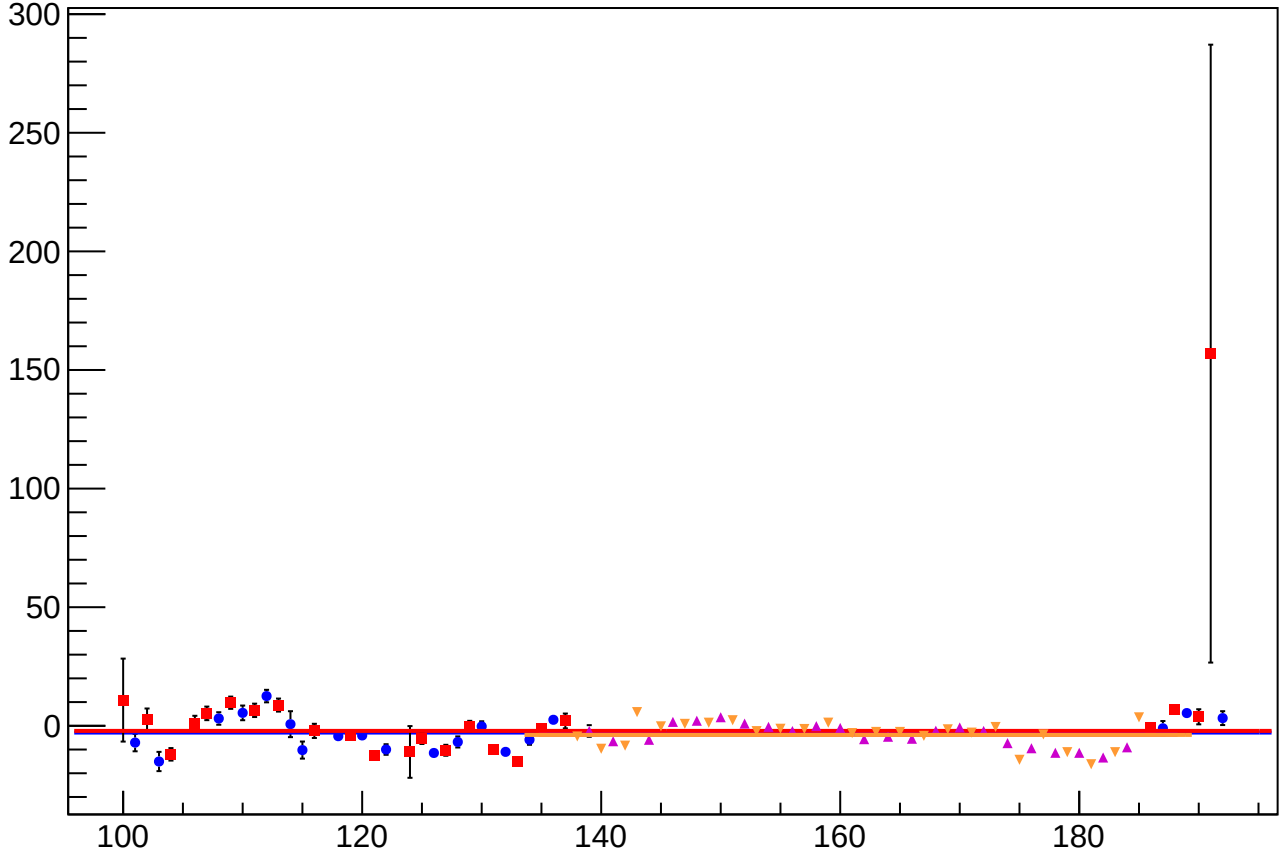
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.278+/-0.245 χ^2/NDF: 9195.7/43

All: 14.714+/-0.171 χ^2/NDF: 17126.6/89

- sign 14.173+/-0.240 χ^2/NDF: 7920.5/45

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



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

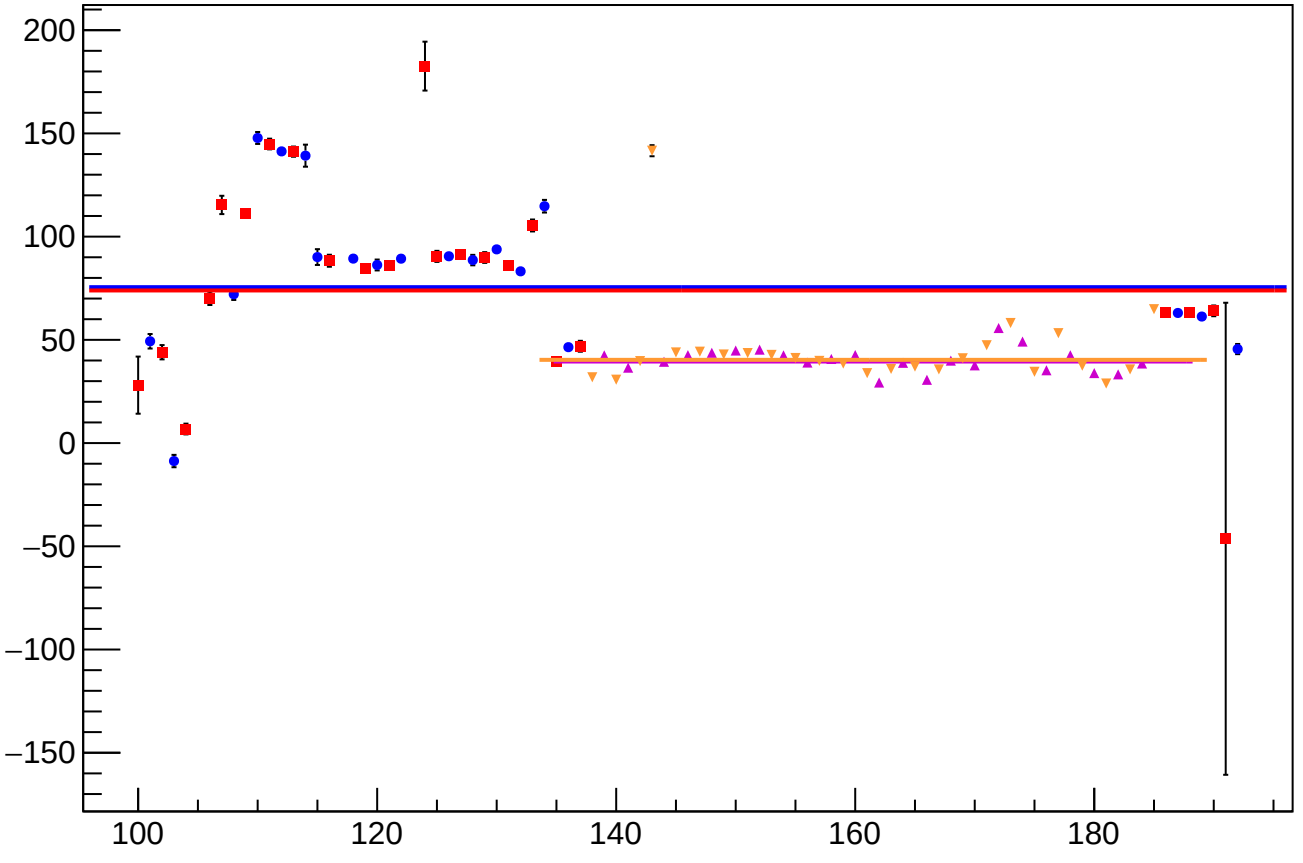
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.695+/-0.201 χ^2/NDF: 798.5/43

All: -3.599+/-0.143 χ^2/NDF: 1530.5/89

- sign -3.501+/-0.204 χ^2/NDF: 731.5/45

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 75.520+/-0.522 χ^2/NDF: 3605.9/18

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

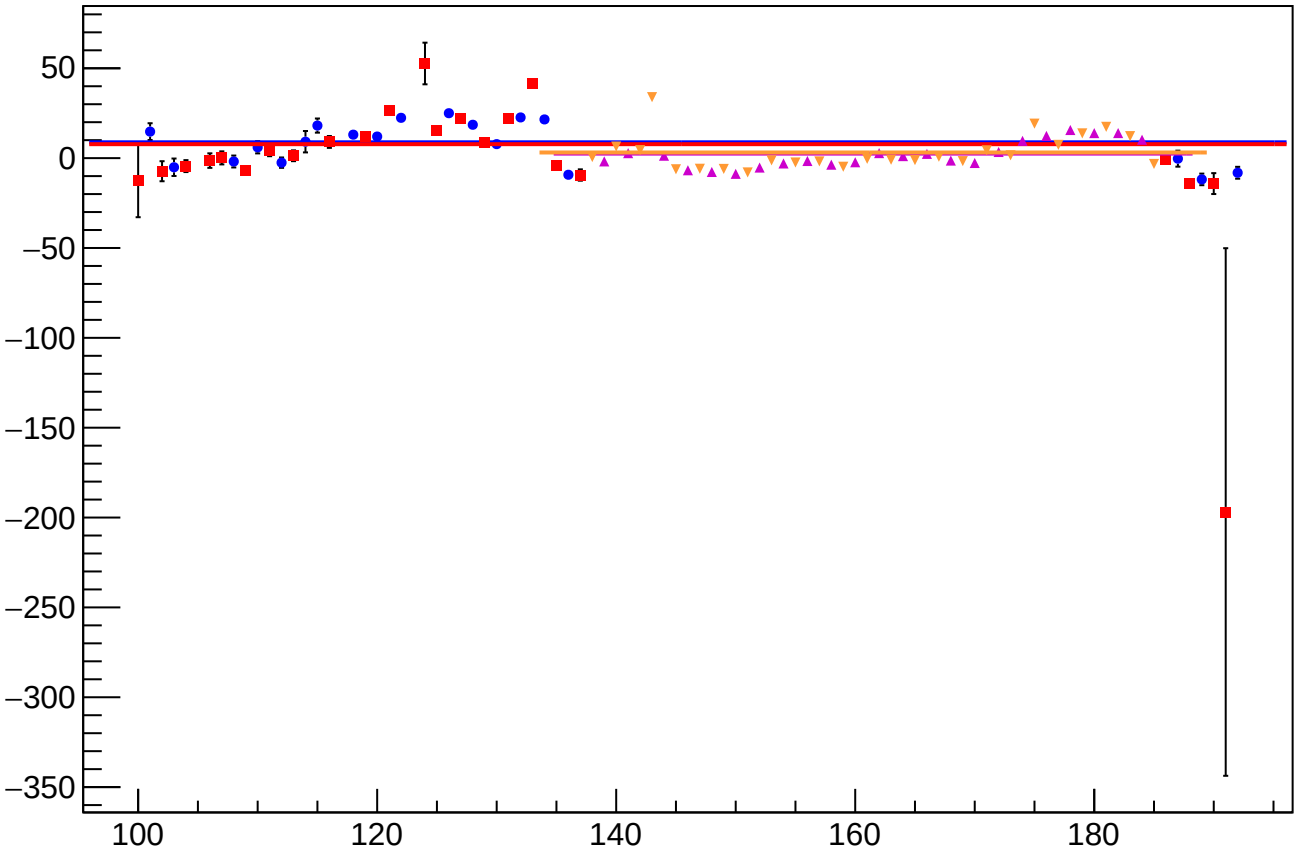
Right Out: 73.925+/-0.441 χ^2/NDF: 3762.5/22

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.183+/-0.247 χ^2/NDF: 9318.0/43

All: 48.929+/-0.172 χ^2/NDF: 17829.4/89

- sign 49.629+/-0.239 χ^2/NDF: 8493.7/45



Right In: 8.800+/-0.599 χ^2/NDF: 437.4/18

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

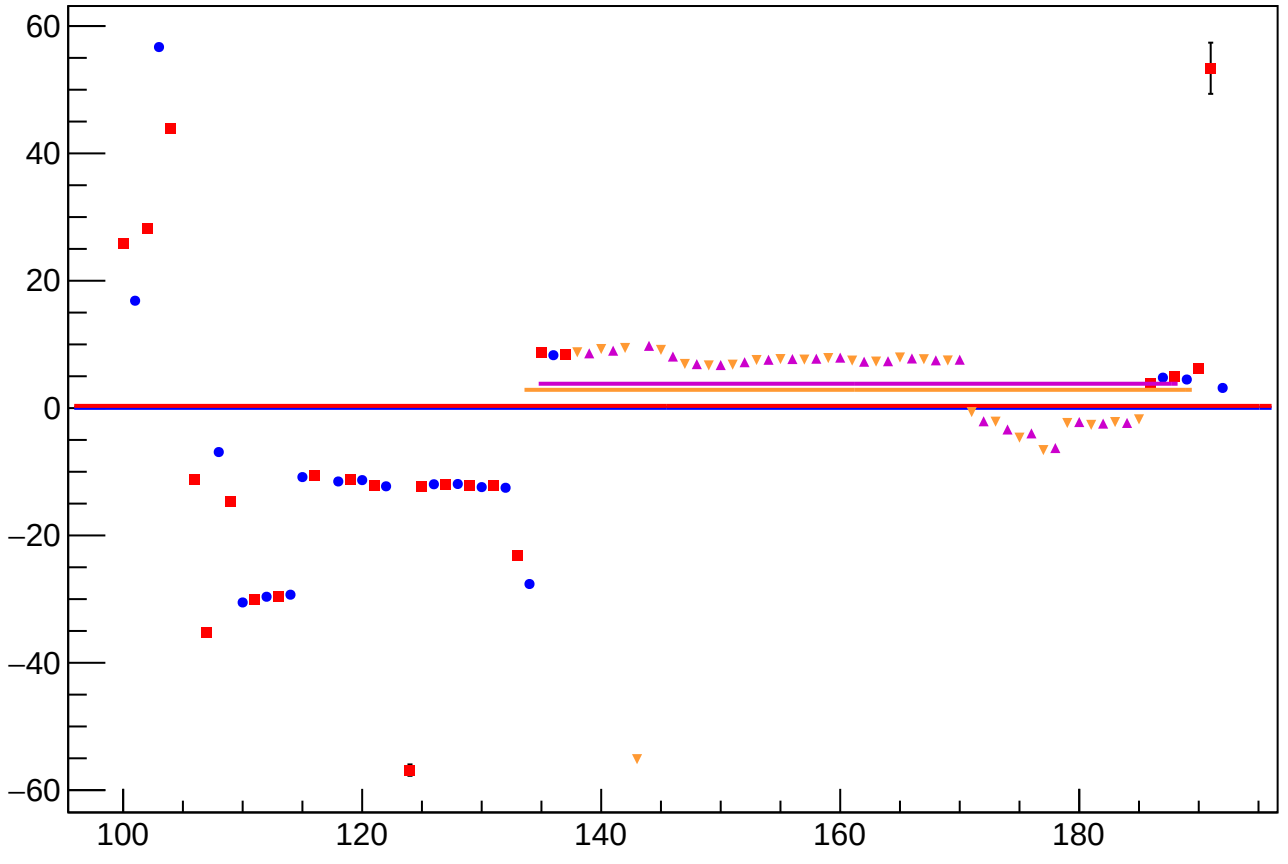
Right Out: 7.768+/-0.591 χ^2/NDF: 615.8/22

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

\+ sign 3.955+/-0.227 χ^2/NDF: 1780.8/43

All: 3.644+/-0.162 χ^2/NDF: 3435.5/89

\- sign 3.322+/-0.231 χ^2/NDF: 1650.9/45



Right In: 0.041+/-0.033 χ^2/NDF: 370835.9/18

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

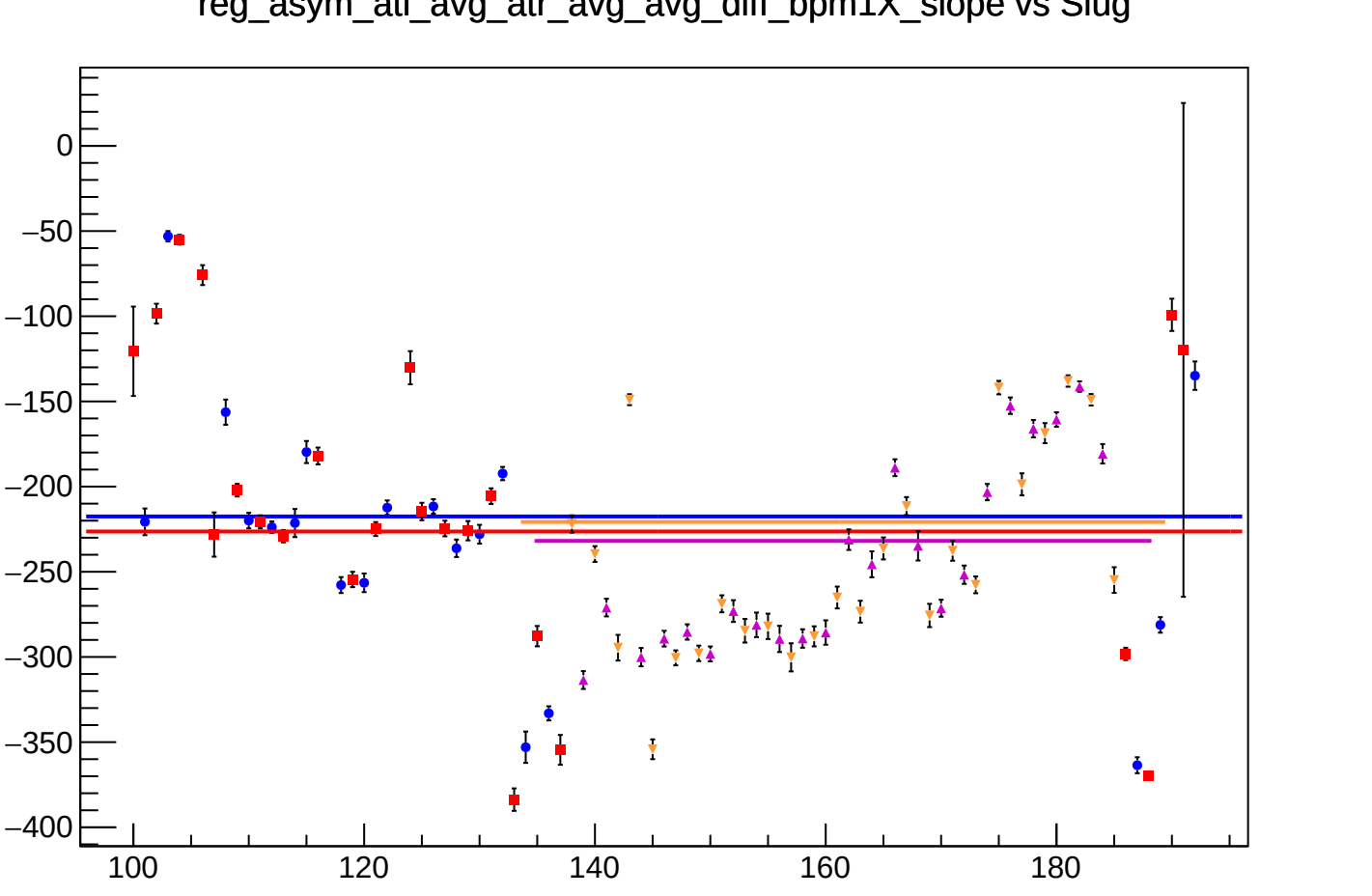
Right Out: 0.348+/-0.034 χ^2/NDF: 320553.3/22

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.582+/-0.010 χ^2/NDF: 889923.6/43

All: 3.029+/-0.007 χ^2/NDF: 1456943.0/89

- sign 3.488+/-0.011 χ^2/NDF: 563278.0/45



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

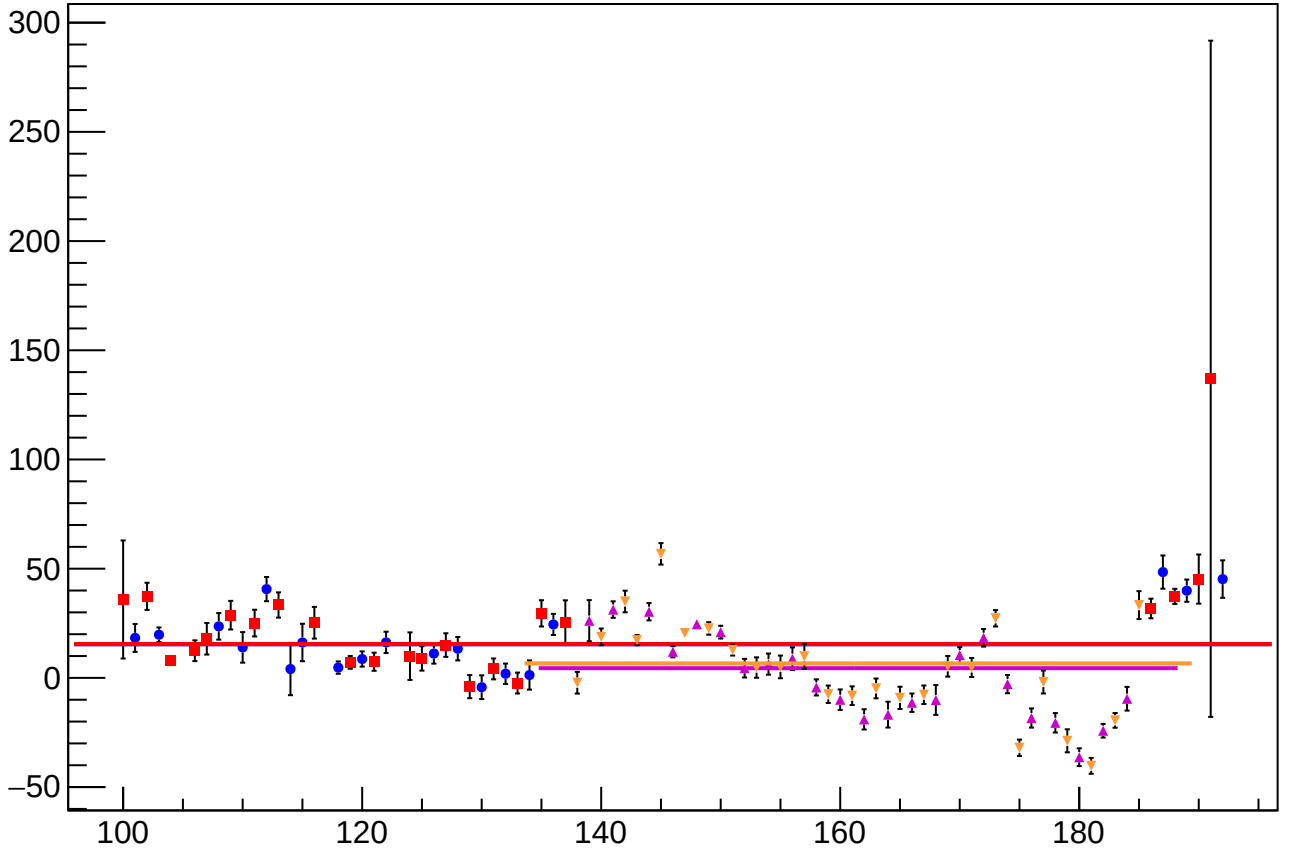
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

\+ sign -219.257+/-0.748 χ^2/NDF: 9478.3/43

All: -224.206+/-0.521 χ^2/NDF: 22488.1/89

\- sign -228.849+/-0.725 χ^2/NDF: 12925.1/45

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 15.371+/-1.147 χ^2/NDF: 128.0/18

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

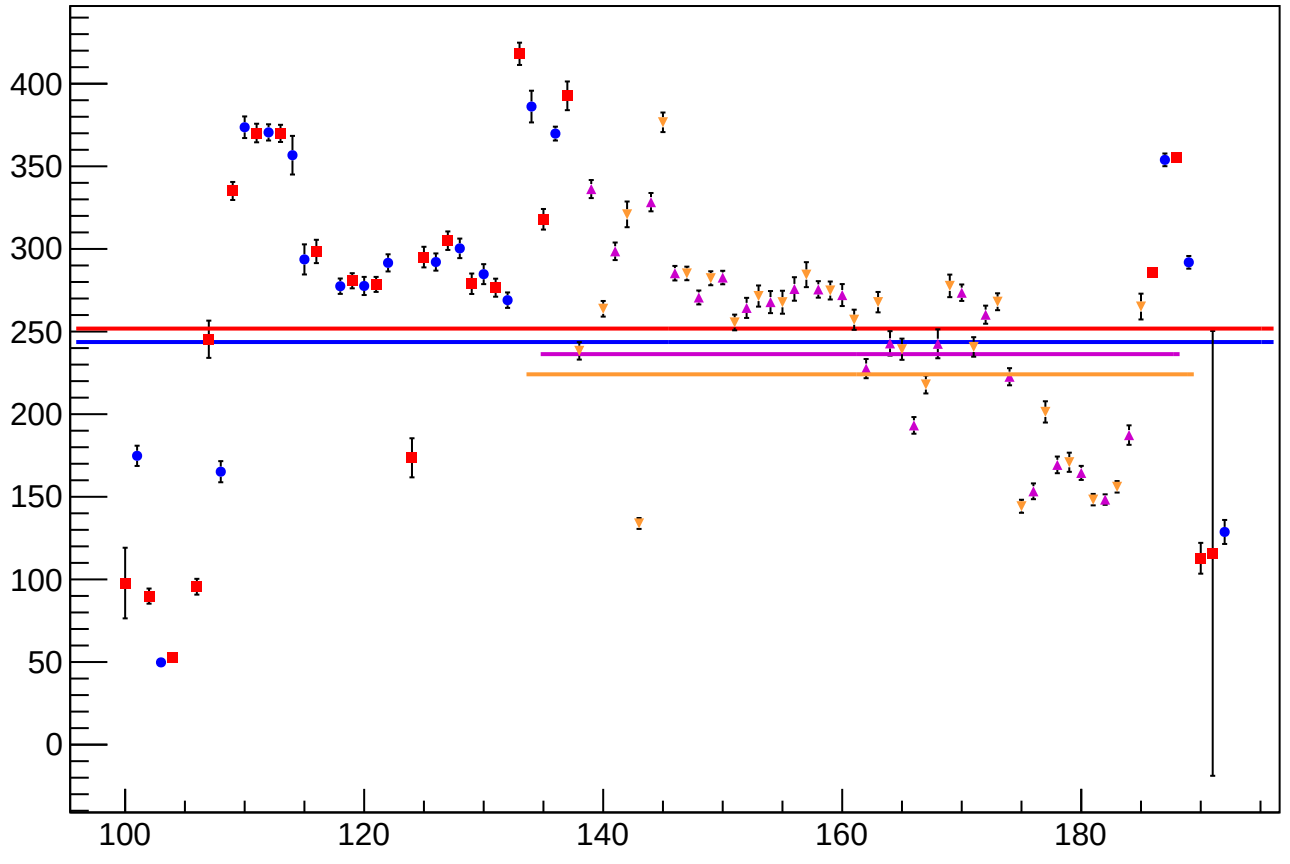
Right Out: 15.496+/-1.034 χ^2/NDF: 156.0/22

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 9.270+/-0.629 χ^2/NDF: 903.5/43

All: 8.954+/-0.447 χ^2/NDF: 1698.0/89

- sign 8.632+/-0.636 χ^2/NDF: 794.0/45



Right In: 243.656+/-1.129 χ^2/NDF: 10721.3/18

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

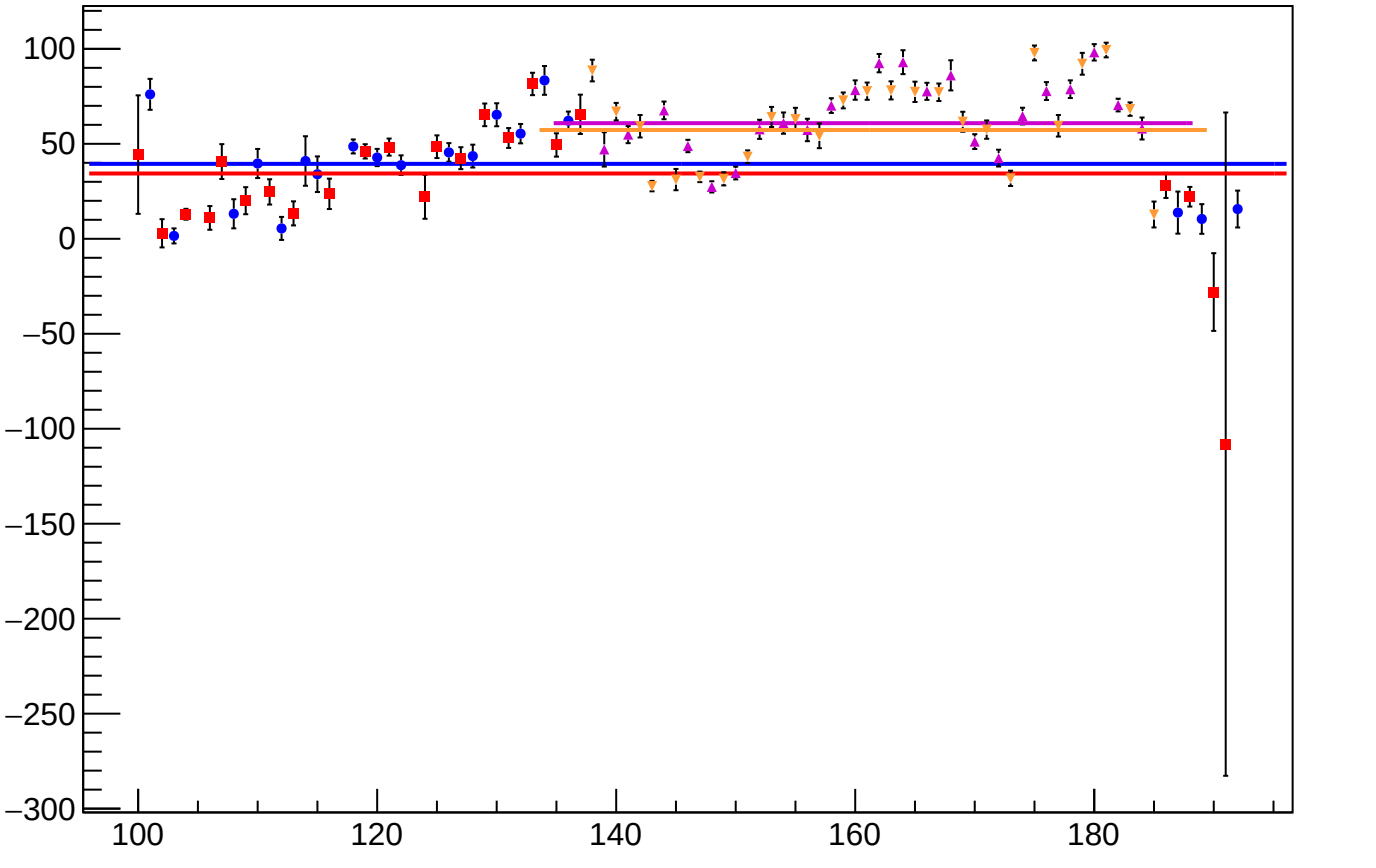
Right Out: 251.807+/-0.963 χ^2/NDF: 15627.3/22

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 232.842+/-0.754 χ^2/NDF: 14853.8/43

All: 239.176+/-0.519 χ^2/NDF: 33723.6/89

- sign 244.862+/-0.715 χ^2/NDF: 18736.0/45



Right In: 39.451+/-1.352 χ^2/NDF: 272.6/18

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

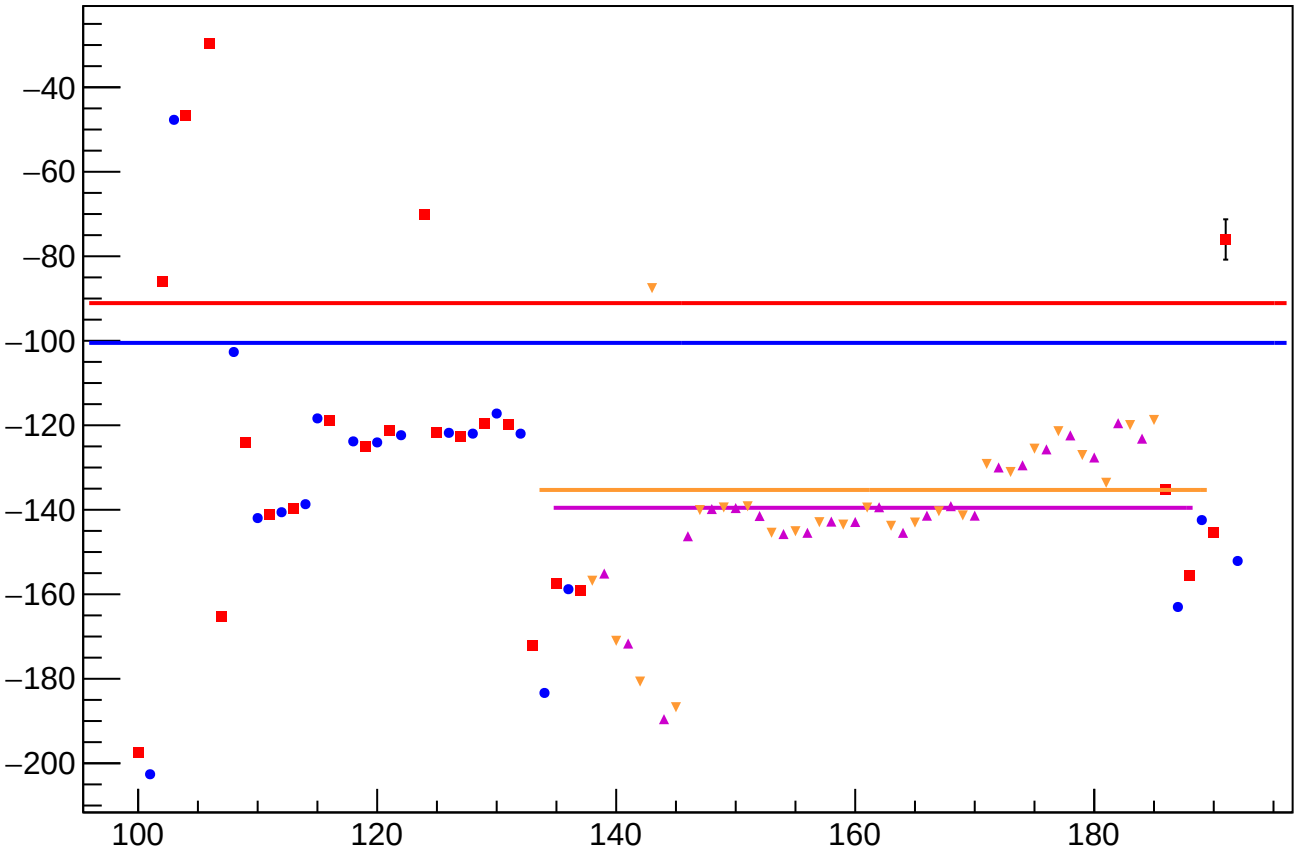
Right Out: 34.384+/-1.251 χ^2/NDF: 270.7/22

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 52.082+/-0.730 χ^2/NDF: 1163.8/43

All: 51.816+/-0.521 χ^2/NDF: 2180.0/89

- sign 51.542+/-0.742 χ^2/NDF: 1016.0/45



Right In: -100.498+/-0.066 χ^2/NDF: 577596.2/18

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

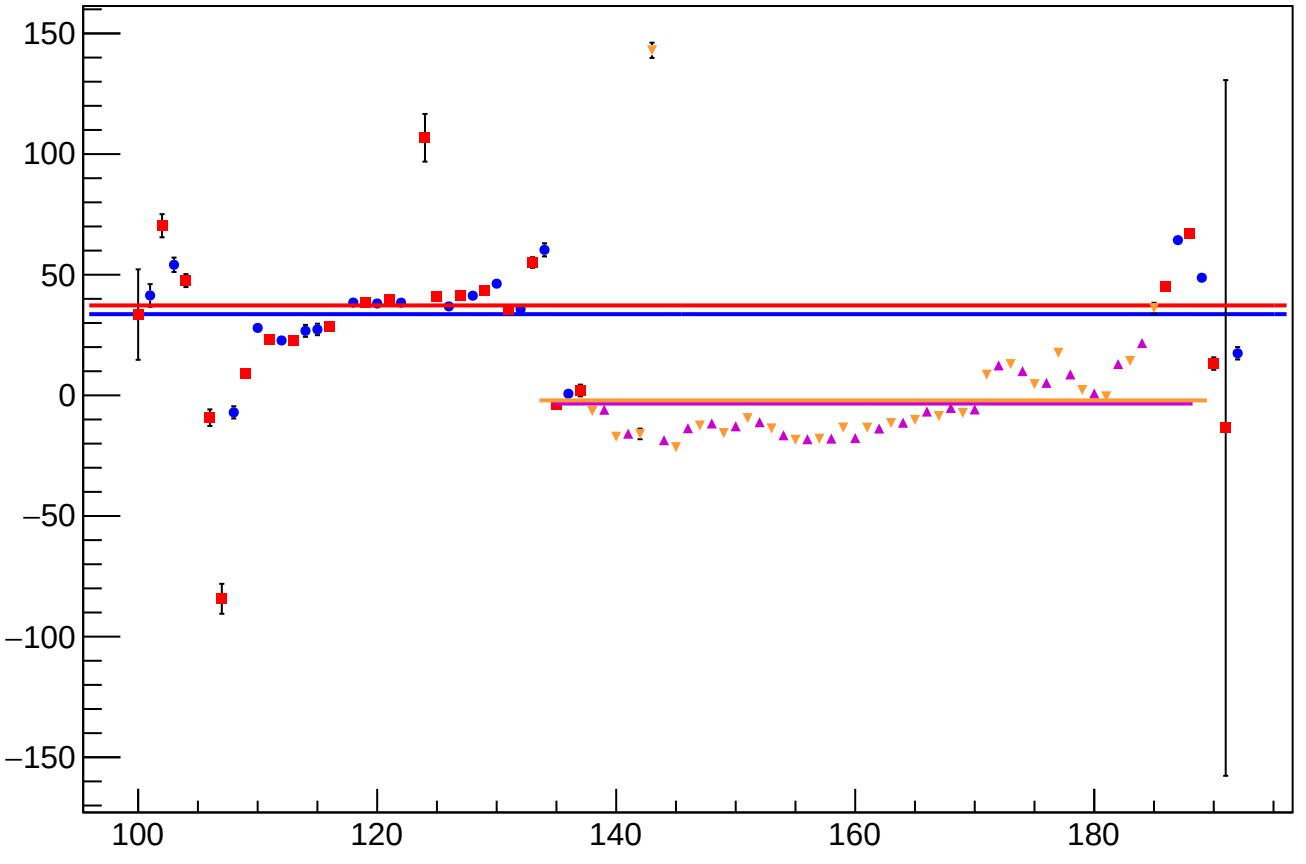
Right Out: -91.086+/-0.064 χ^2/NDF: 561031.2/22

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -125.792+/-0.035 χ^2/NDF: 1041597.3/43

All: -125.364+/-0.025 χ^2/NDF: 2116610.5/89

- sign -124.922+/-0.035 χ^2/NDF: 1074702.4/45



Right In: 33.647+/-0.382 χ^2/NDF: 2191.8/18

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

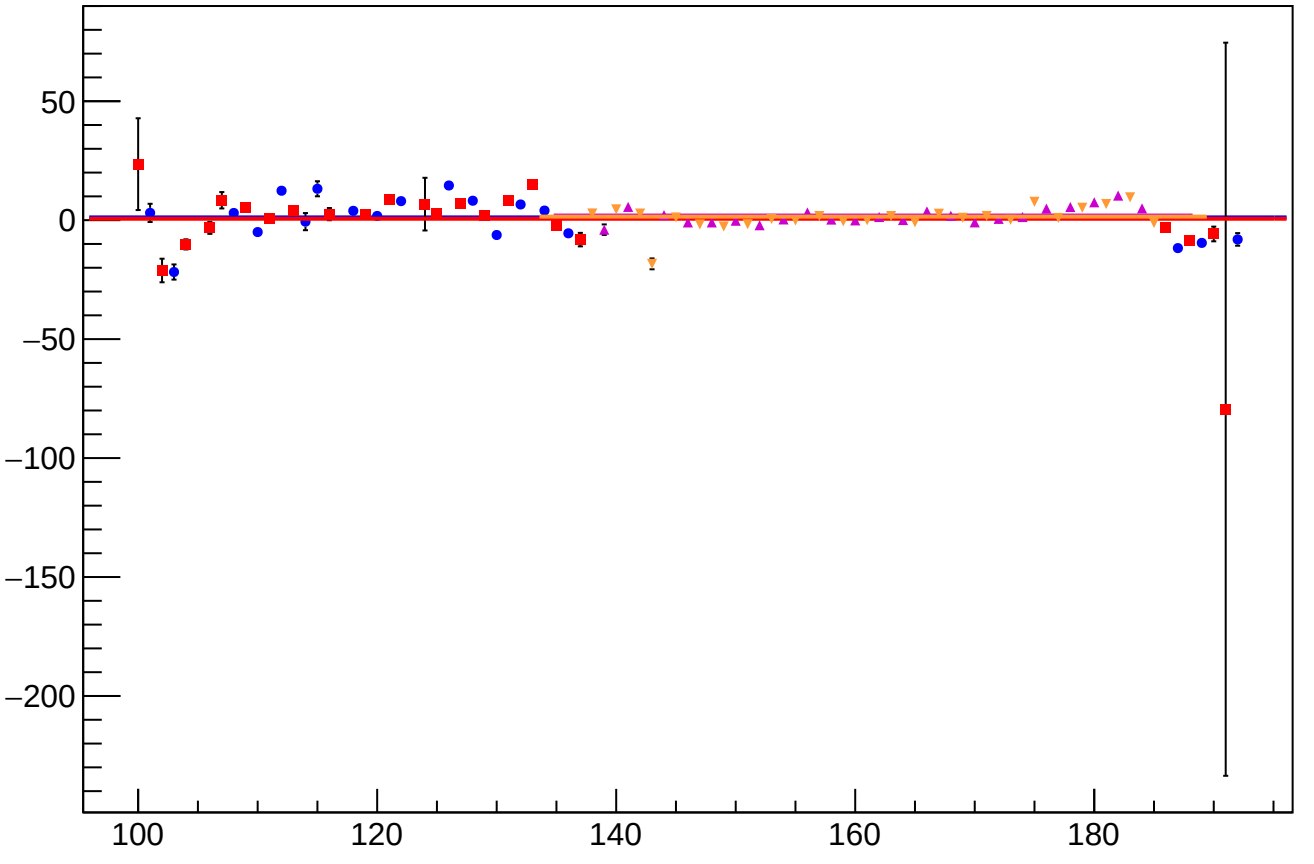
Right Out: 37.276+/-0.328 χ^2/NDF: 4380.7/22

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 9.634+/-0.219 χ^2/NDF: 12281.0/43

All: 11.446+/-0.151 χ^2/NDF: 27660.8/89

- sign 13.105+/-0.209 χ^2/NDF: 15248.2/45



Right In: 1.159+/-0.411 χ^2/NDF: 366.2/18

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

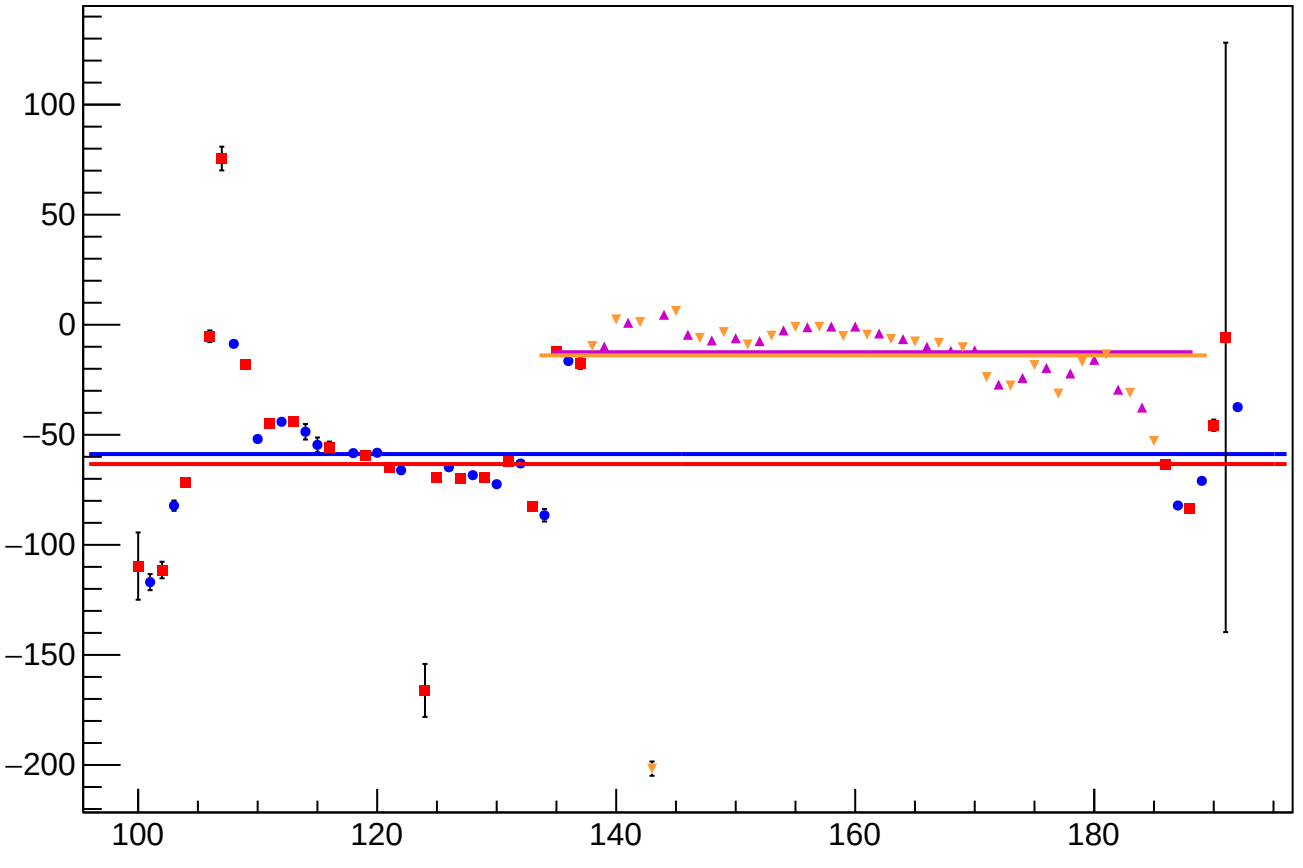
Right Out: 0.600+/-0.381 χ^2/NDF: 319.2/22

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.423+/-0.183 χ^2/NDF: 695.3/43

All: 1.522+/-0.130 χ^2/NDF: 1265.1/89

- sign 1.622+/-0.184 χ^2/NDF: 569.2/45



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

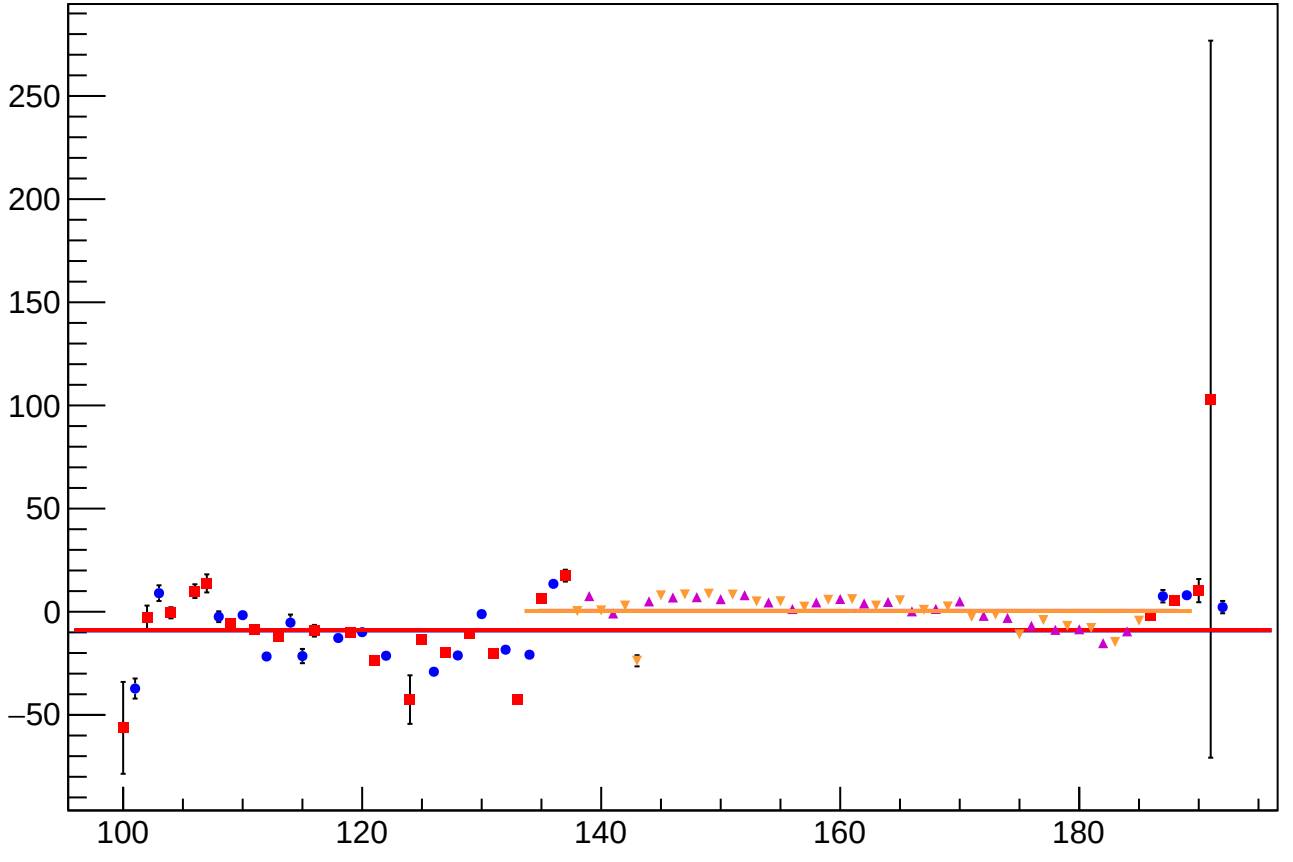
Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -27.315+/-0.222 χ^2/NDF: 16906.7/43

All: -30.338+/-0.151 χ^2/NDF: 38075.7/89

\- sign -32.988+/-0.208 χ^2/NDF: 20820.0/45

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



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

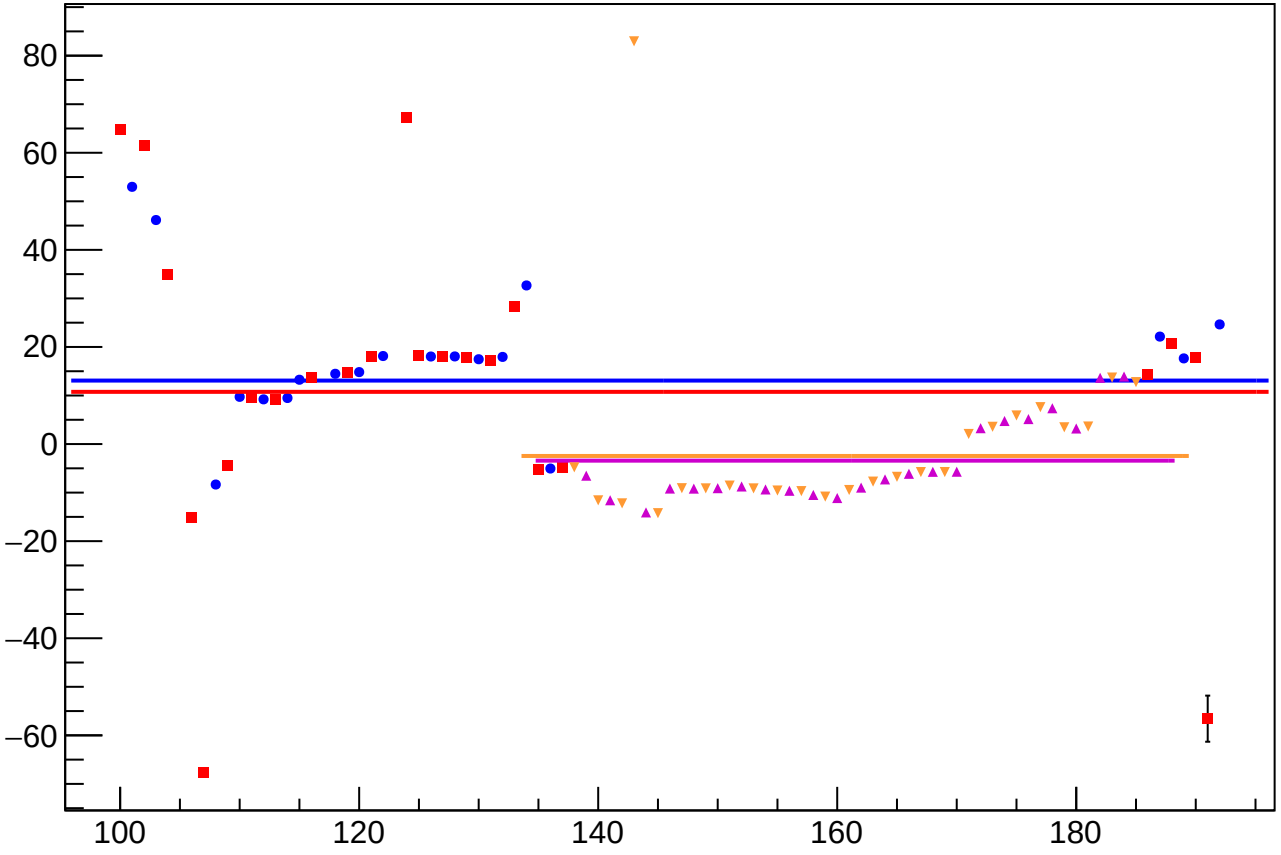
Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.425+/-0.208 χ^2/NDF: 2008.5/43

All: -1.456+/-0.148 χ^2/NDF: 3920.3/89

- sign -1.489+/-0.211 χ^2/NDF: 1911.8/45

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



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

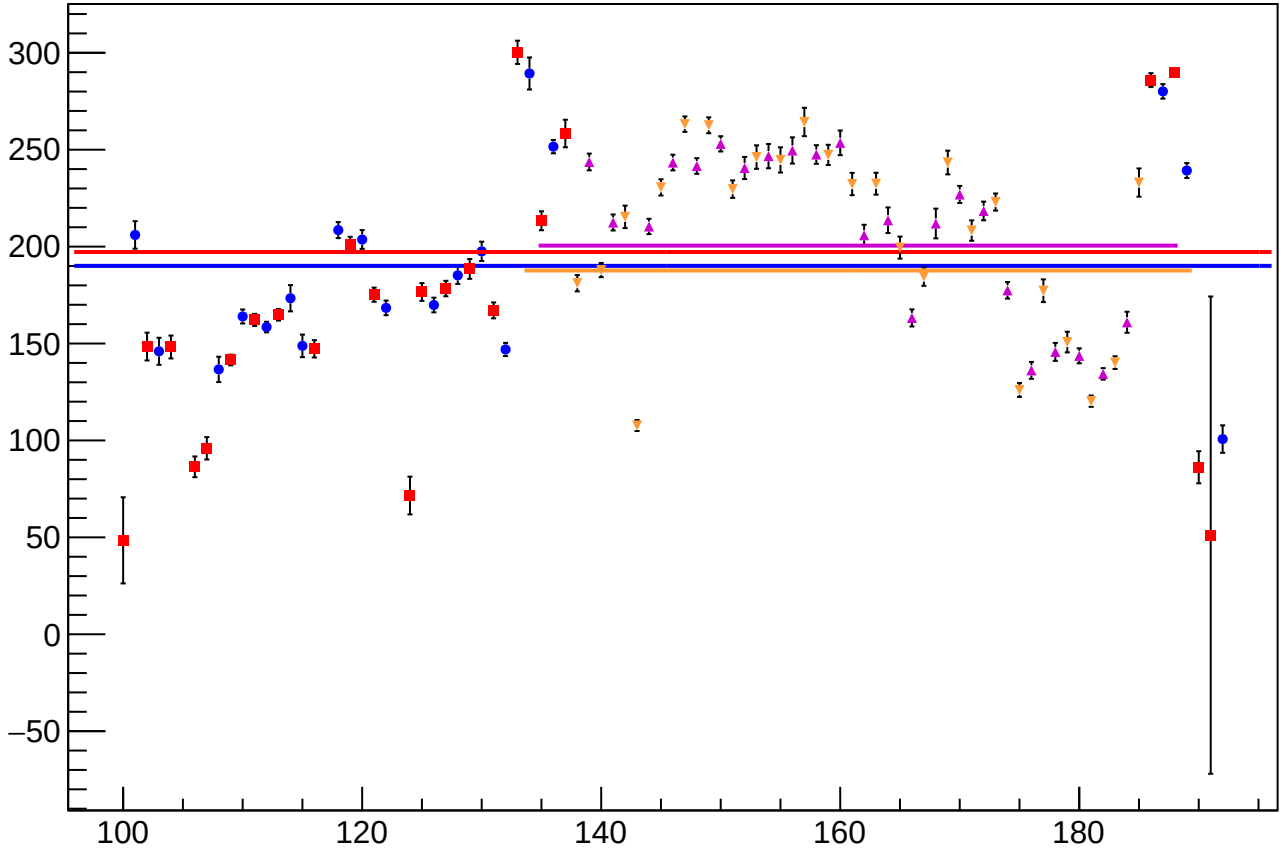
Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

\+ sign -0.488+/-0.010 χ^2/NDF: 1619036.1/43

All: -1.076+/-0.007 χ^2/NDF: 2858615.4/89

\- sign -1.677+/-0.010 χ^2/NDF: 1232107.6/45

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug



Right In: 190.074+/-1.000 χ^2/NDF: 1967.8/18

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

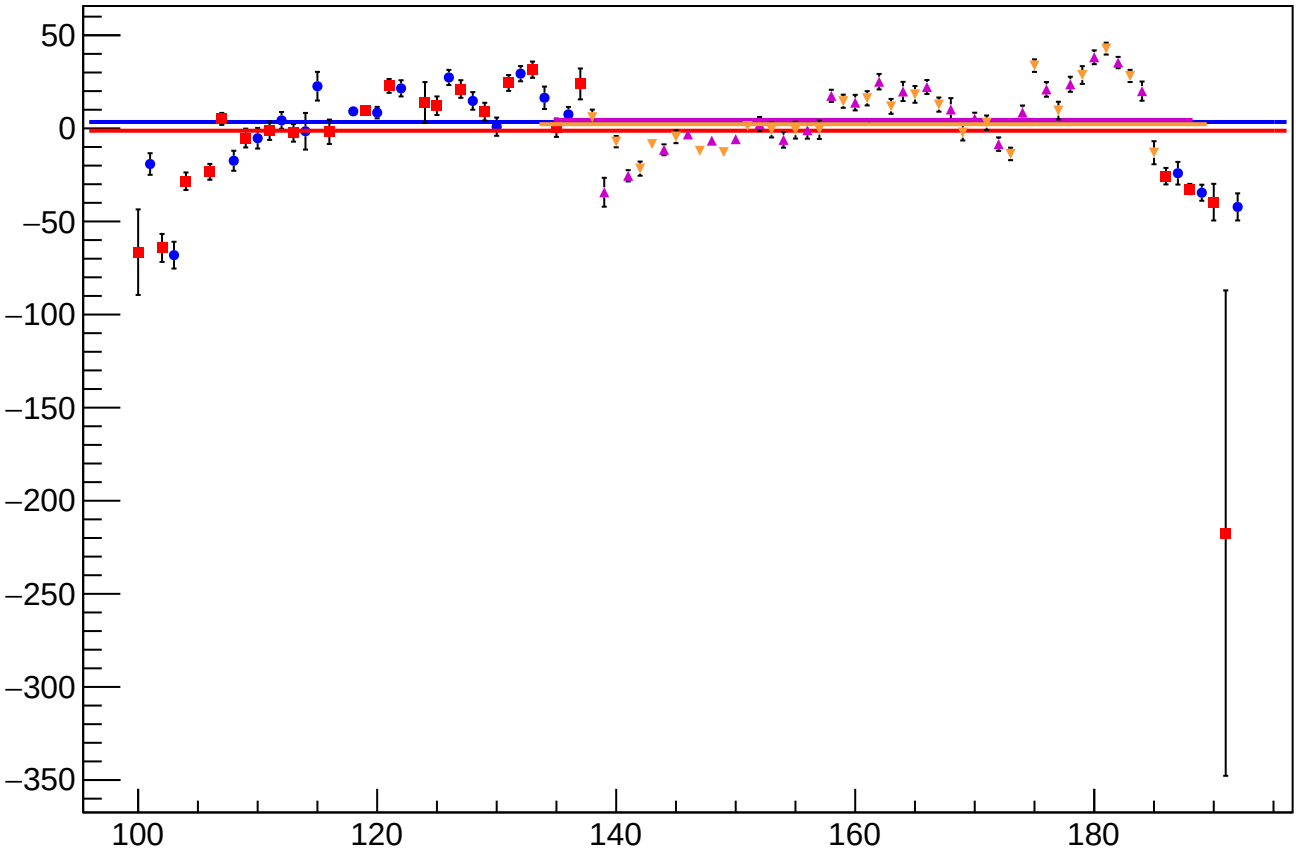
Right Out: 197.216+/-0.875 χ^2/NDF: 5333.7/22

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.749+/-0.668 χ^2/NDF: 5499.3/43

All: 193.910+/-0.464 χ^2/NDF: 13066.3/89

- sign 198.723+/-0.645 χ^2/NDF: 7451.6/45



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

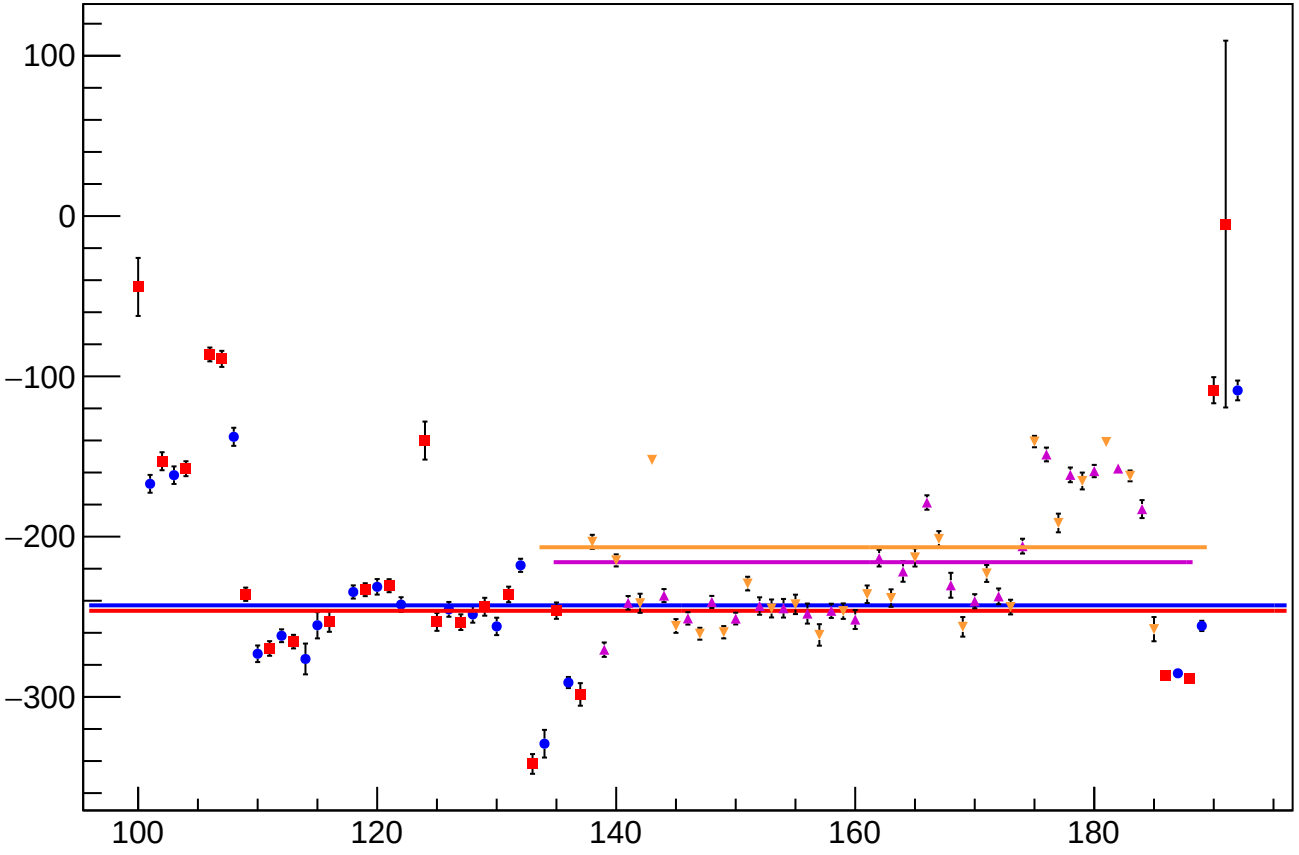
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.583+/-0.562 χ^2/NDF: 988.4/43

All: 2.524+/-0.401 χ^2/NDF: 2076.4/89

- sign 2.463+/-0.574 χ^2/NDF: 1088.0/45

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -242.871+/-1.069 χ^2/NDF: 1849.0/18

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

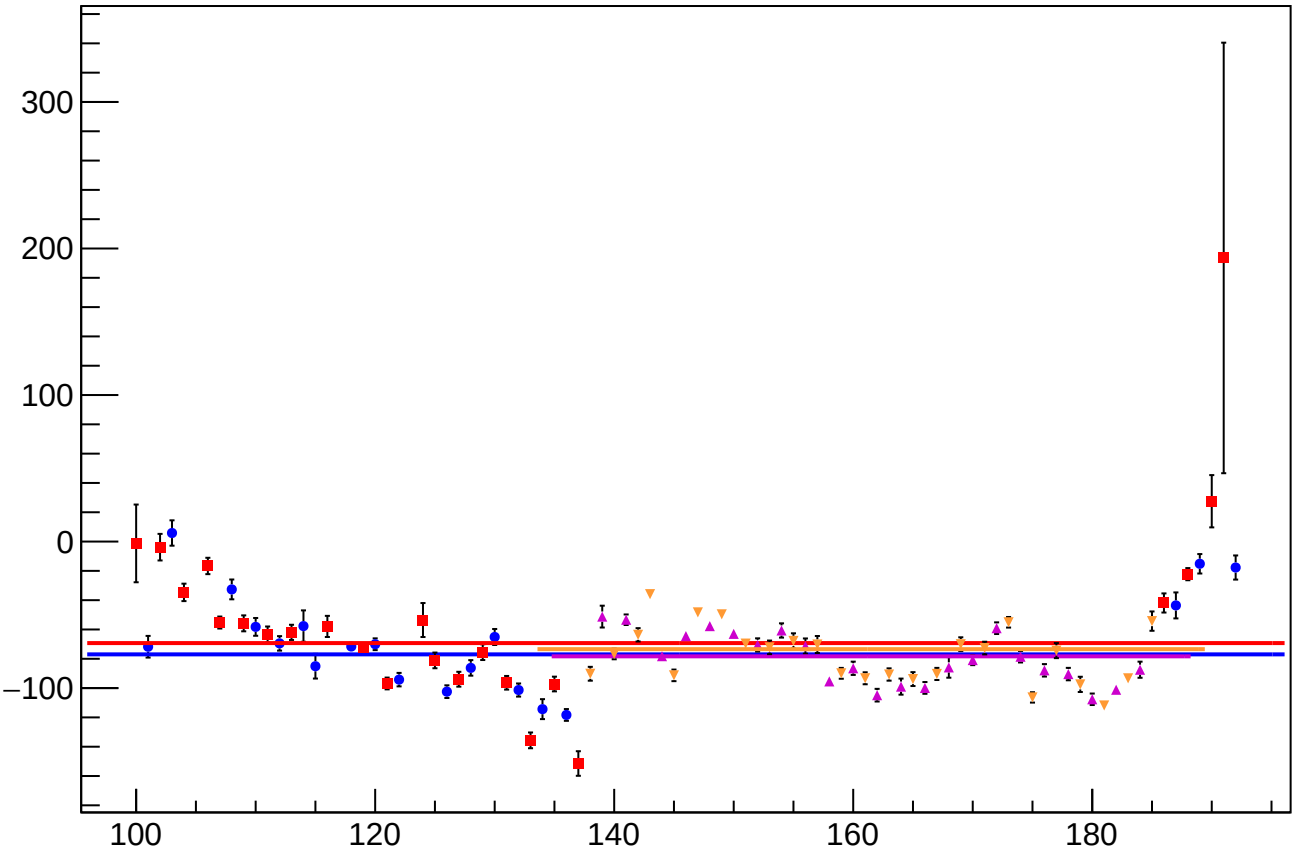
Right Out: -246.264+/-0.892 χ^2/NDF: 4787.6/22

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.544+/-0.686 χ^2/NDF: 4992.8/43

All: -227.058+/-0.472 χ^2/NDF: 12158.5/89

- sign -231.991+/-0.649 χ^2/NDF: 7043.4/45



Right In: -76.984+/-1.236 χ^2/NDF: 531.5/18

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

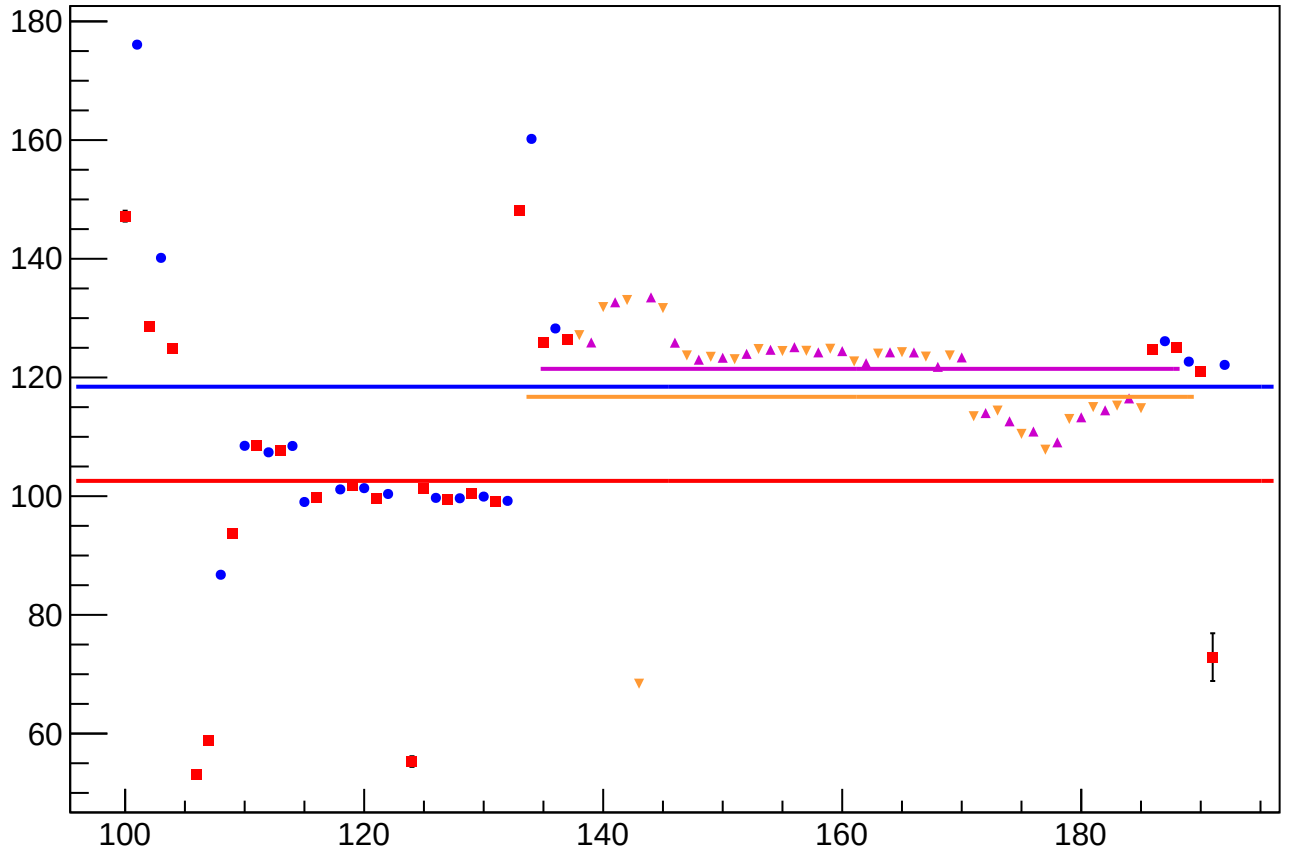
Right Out: -69.281+/-1.158 χ^2/NDF: 775.8/22

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -74.415+/-0.652 χ^2/NDF: 1374.0/43

All: -74.857+/-0.466 χ^2/NDF: 2634.7/89

- sign -75.321+/-0.668 χ^2/NDF: 1259.8/45



Right In: 118.446+/-0.072 χ^2/NDF: 96113.3/18

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

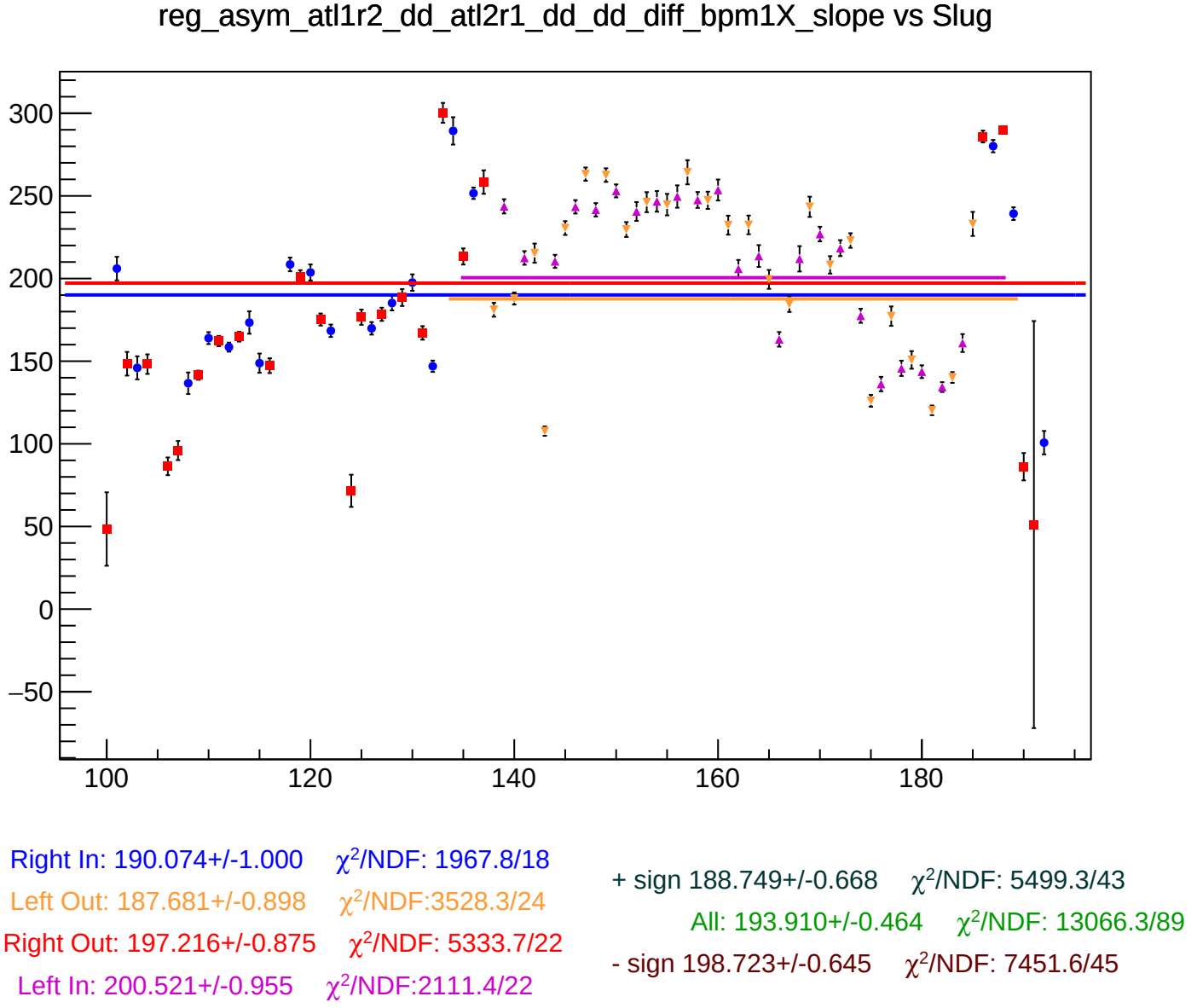
Right Out: 102.577+/-0.066 χ^2/NDF: 181361.3/22

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

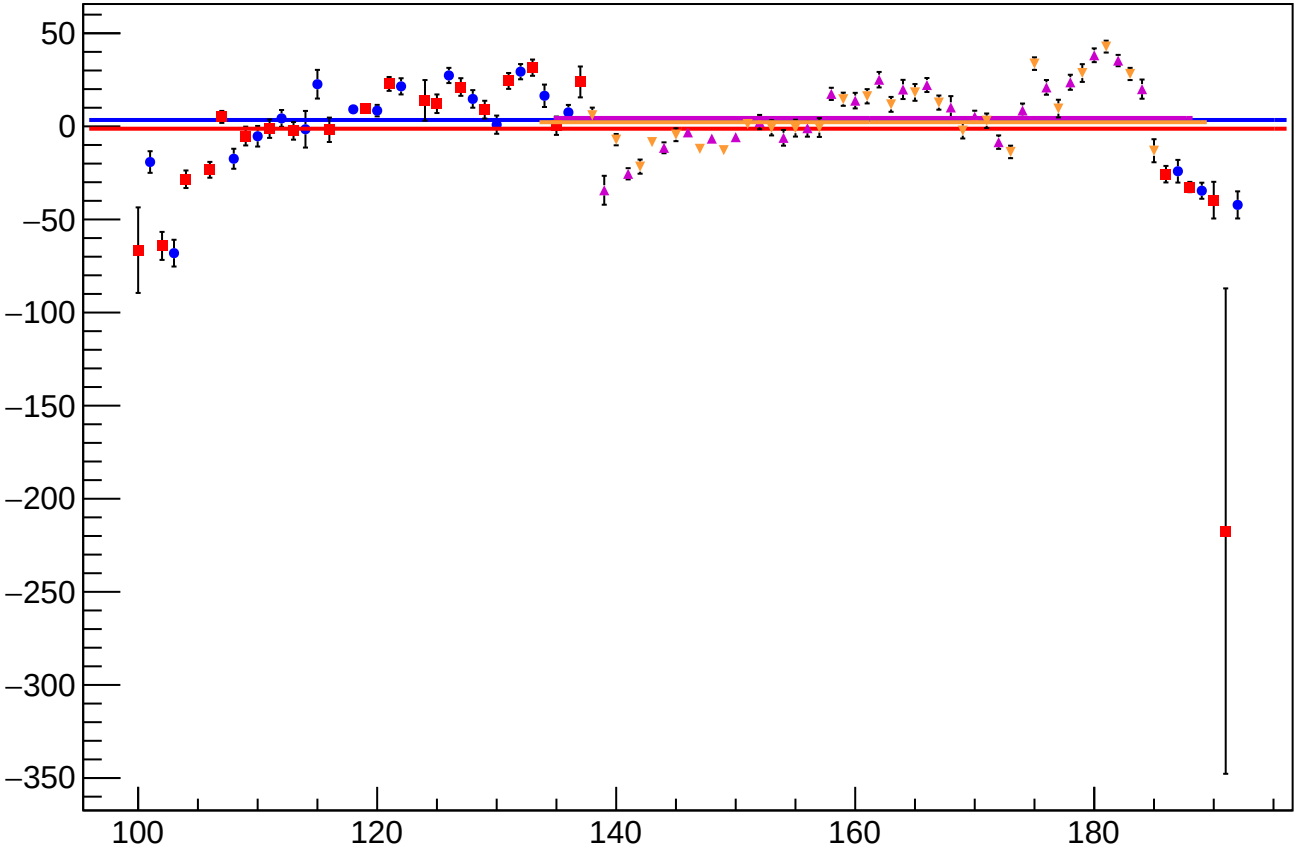
+ sign 117.078+/-0.032 χ^2/NDF: 300212.5/43

All: 116.983+/-0.023 χ^2/NDF: 572485.9/89

- sign 116.886+/-0.032 χ^2/NDF: 272255.9/45


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug
300
250
200
150
100
50
0
−50
100
120
140
160
180
Right In: 190.074+/-1.000 χ²/NDF: 1967.8/18
Left Out: 187.681+/-0.898 χ²/NDF:3528.3/24
Right Out: 197.216+/-0.875 χ²/NDF: 5333.7/22
Left In: 200.521+/-0.955 χ²/NDF:2111.4/22
+ sign 188.749+/-0.668 χ²/NDF: 5499.3/43
All: 193.910+/-0.464 χ²/NDF: 13066.3/89
- sign 198.723+/-0.645 χ²/NDF: 7451.6/45

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug



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

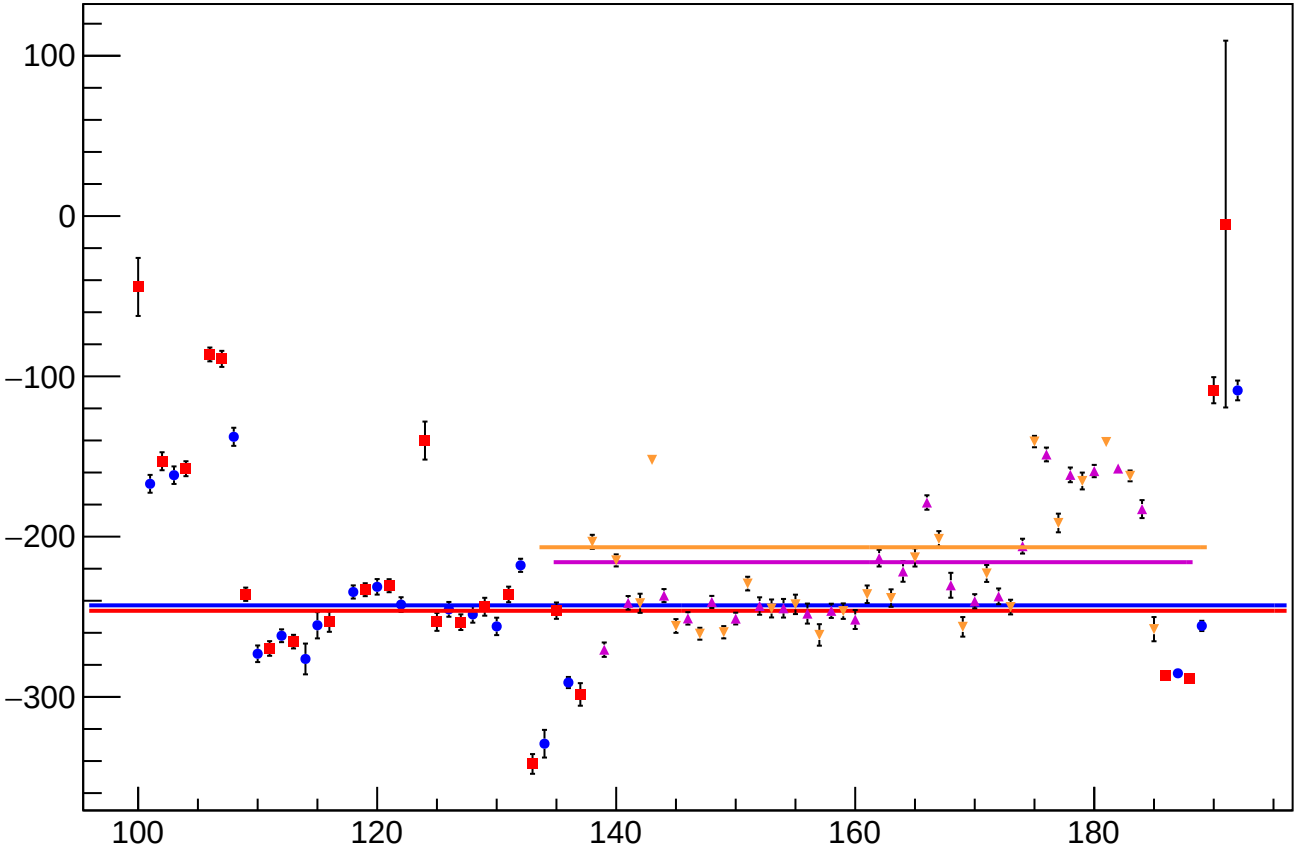
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.583+/-0.562 χ^2/NDF: 988.4/43

All: 2.524+/-0.401 χ^2/NDF: 2076.4/89

- sign 2.463+/-0.574 χ^2/NDF: 1088.0/45

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -242.871+/-1.069 χ^2/NDF: 1849.0/18

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

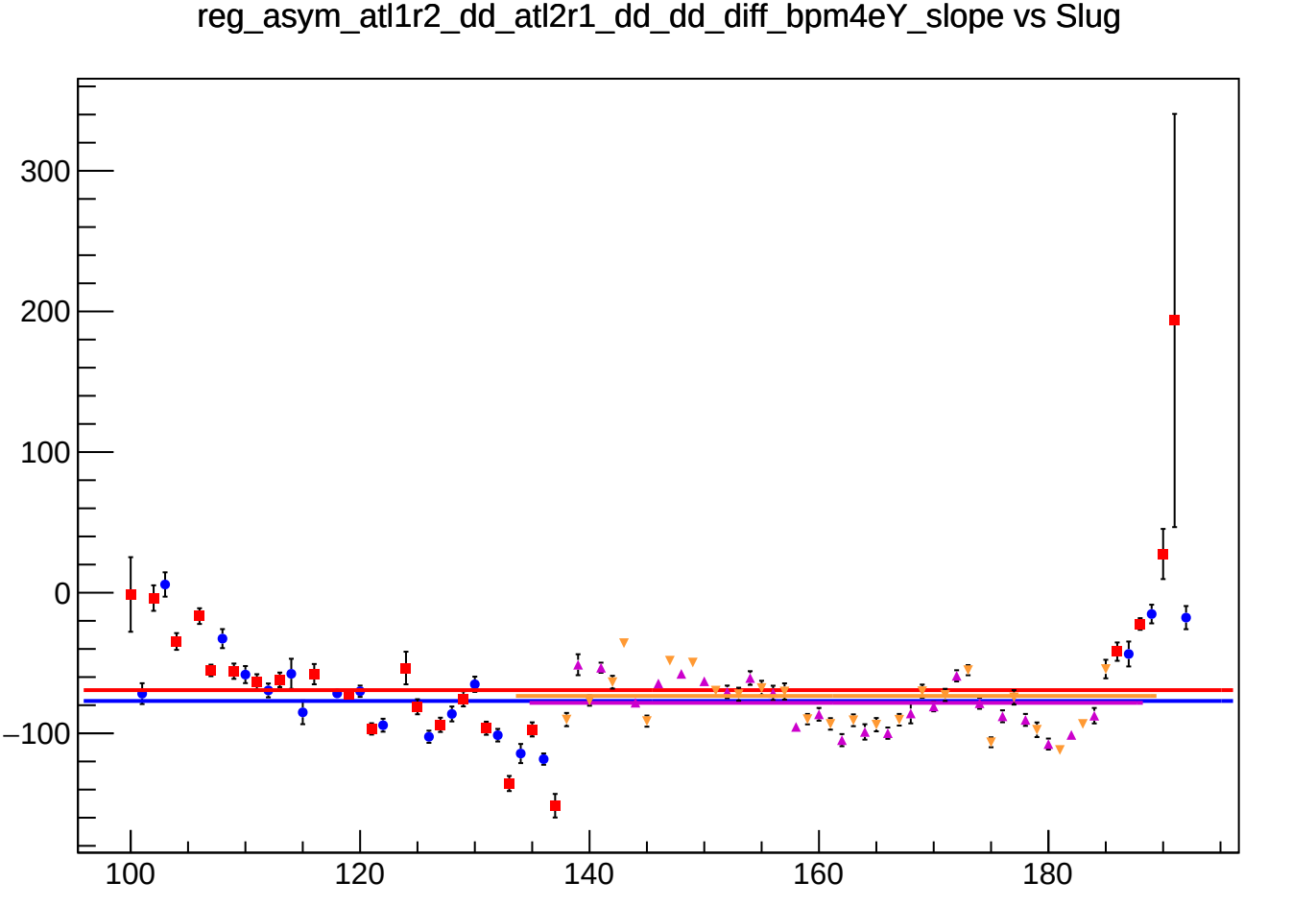
Right Out: -246.264+/-0.892 χ^2/NDF: 4787.6/22

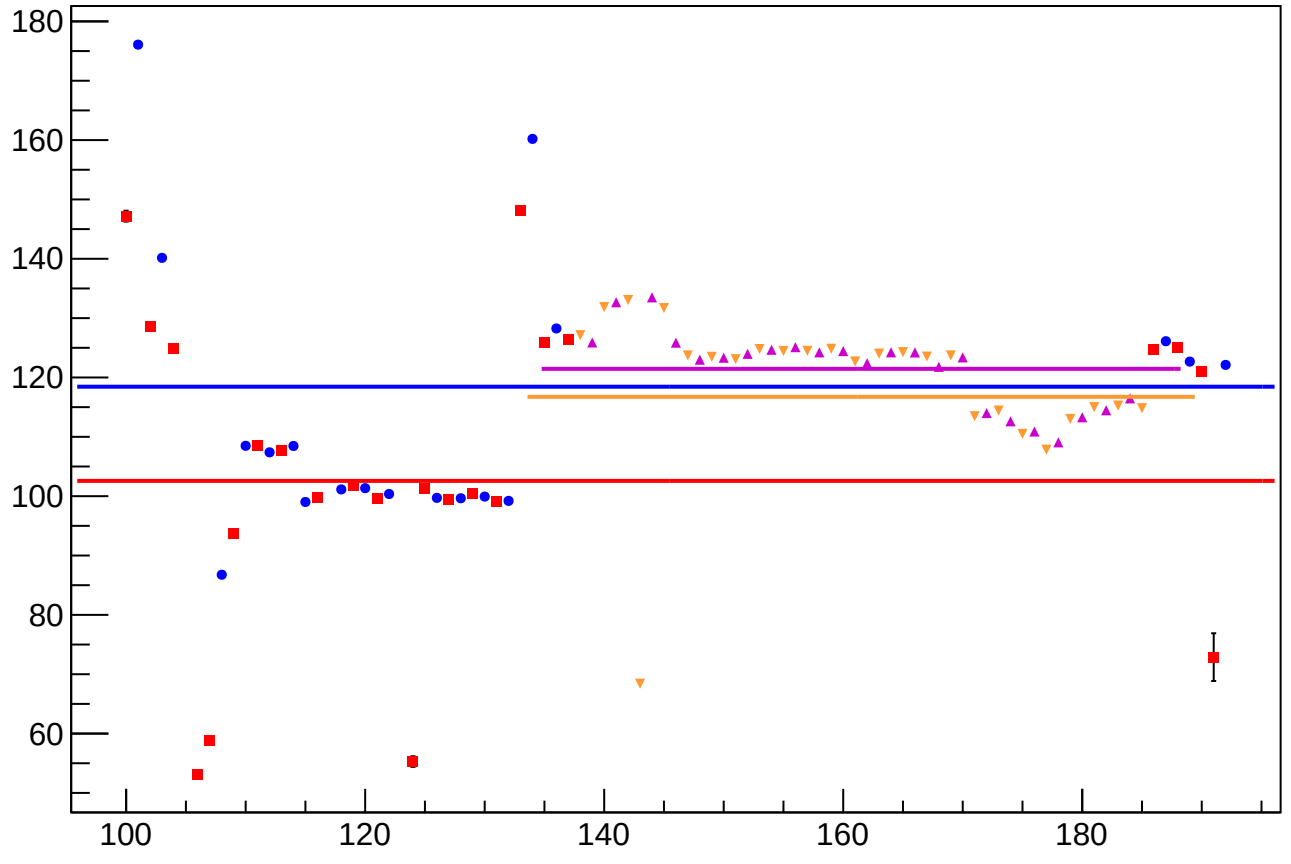
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.544+/-0.686 χ^2/NDF: 4992.8/43

All: -227.058+/-0.472 χ^2/NDF: 12158.5/89

- sign -231.991+/-0.649 χ^2/NDF: 7043.4/45


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug
300
200
100
0
−100
100
120
140
160
180
Right In: -76.984+/-1.236 χ²/NDF: 531.5/18
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -69.281+/-1.158 χ²/NDF: 775.8/22
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
+ sign -74.415+/-0.652 χ²/NDF: 1374.0/43
All: -74.857+/-0.466 χ²/NDF: 2634.7/89
- sign -75.321+/-0.668 χ²/NDF: 1259.8/45



Right In: 118.446+/-0.072 χ^2/NDF: 96113.3/18

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

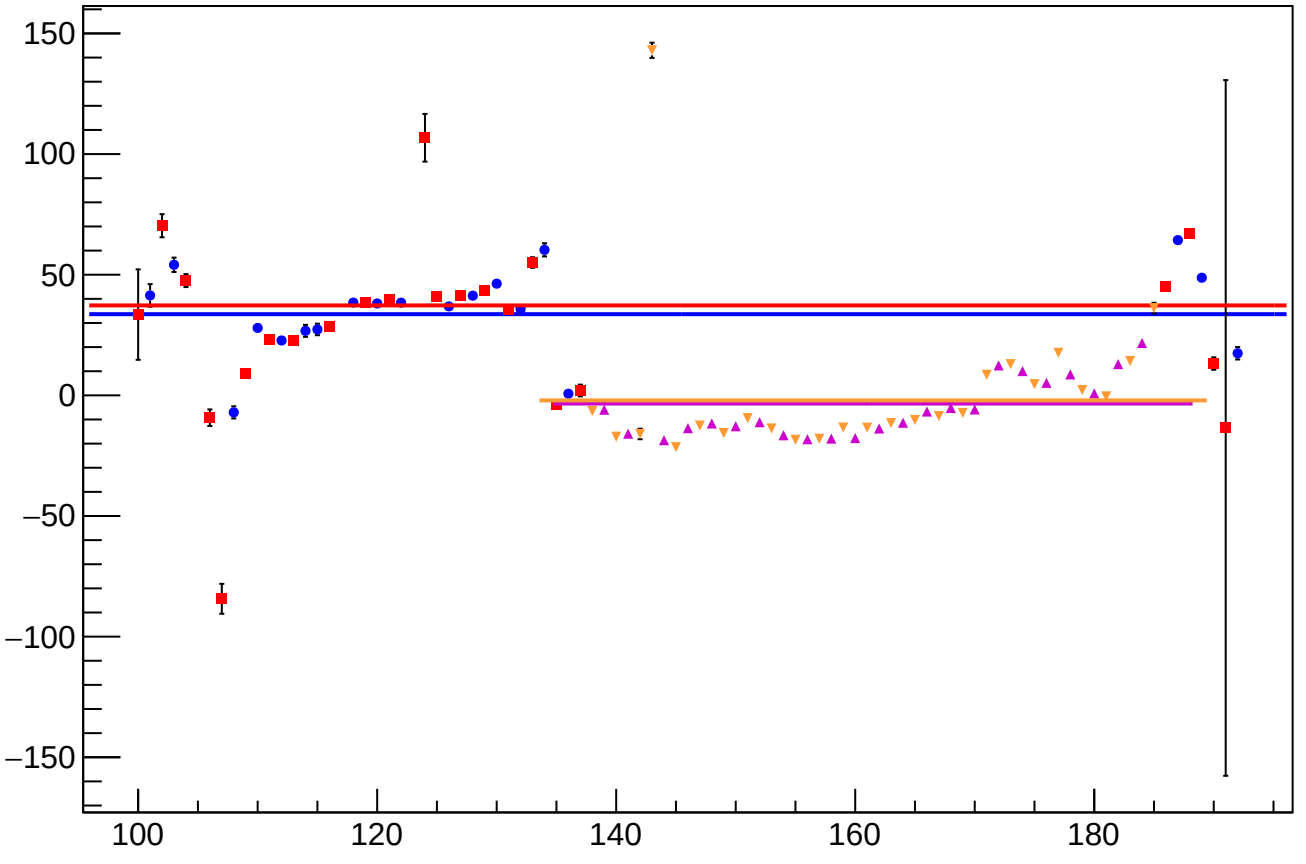
Right Out: 102.577+/-0.066 χ^2/NDF: 181361.3/22

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.078+/-0.032 χ^2/NDF: 300212.5/43

All: 116.983+/-0.023 χ^2/NDF: 572485.9/89

- sign 116.886+/-0.032 χ^2/NDF: 272255.9/45



Right In: 33.647+/-0.382 χ^2/NDF: 2191.8/18

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

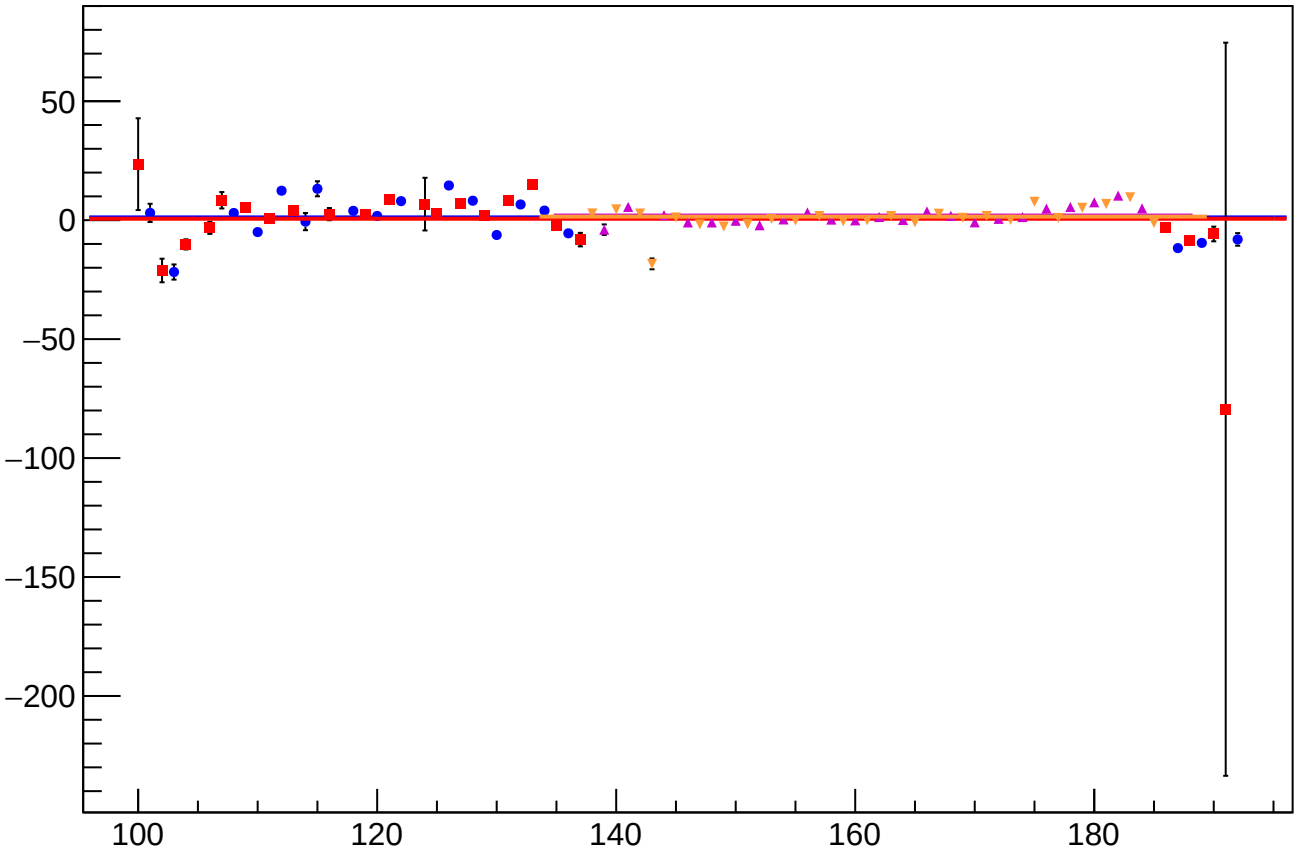
Right Out: 37.276+/-0.328 χ^2/NDF: 4380.7/22

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 9.634+/-0.219 χ^2/NDF: 12281.0/43

All: 11.446+/-0.151 χ^2/NDF: 27660.8/89

- sign 13.105+/-0.209 χ^2/NDF: 15248.2/45



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

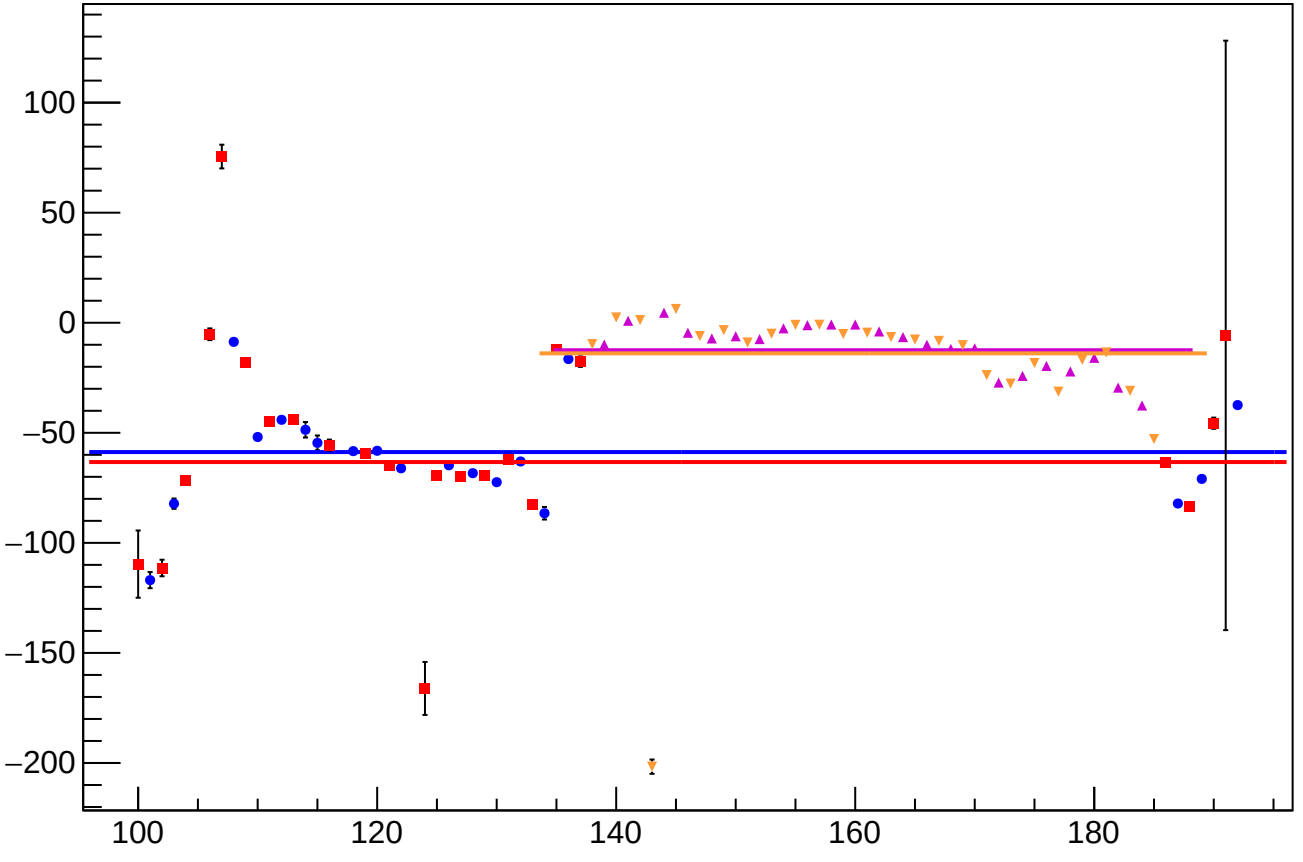
Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.423+/-0.183 χ^2/NDF: 695.3/43

All: 1.522+/-0.130 χ^2/NDF: 1265.1/89

- sign 1.622+/-0.184 χ^2/NDF: 569.2/45

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -58.751+/-0.405 χ^2/NDF: 3197.9/18

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

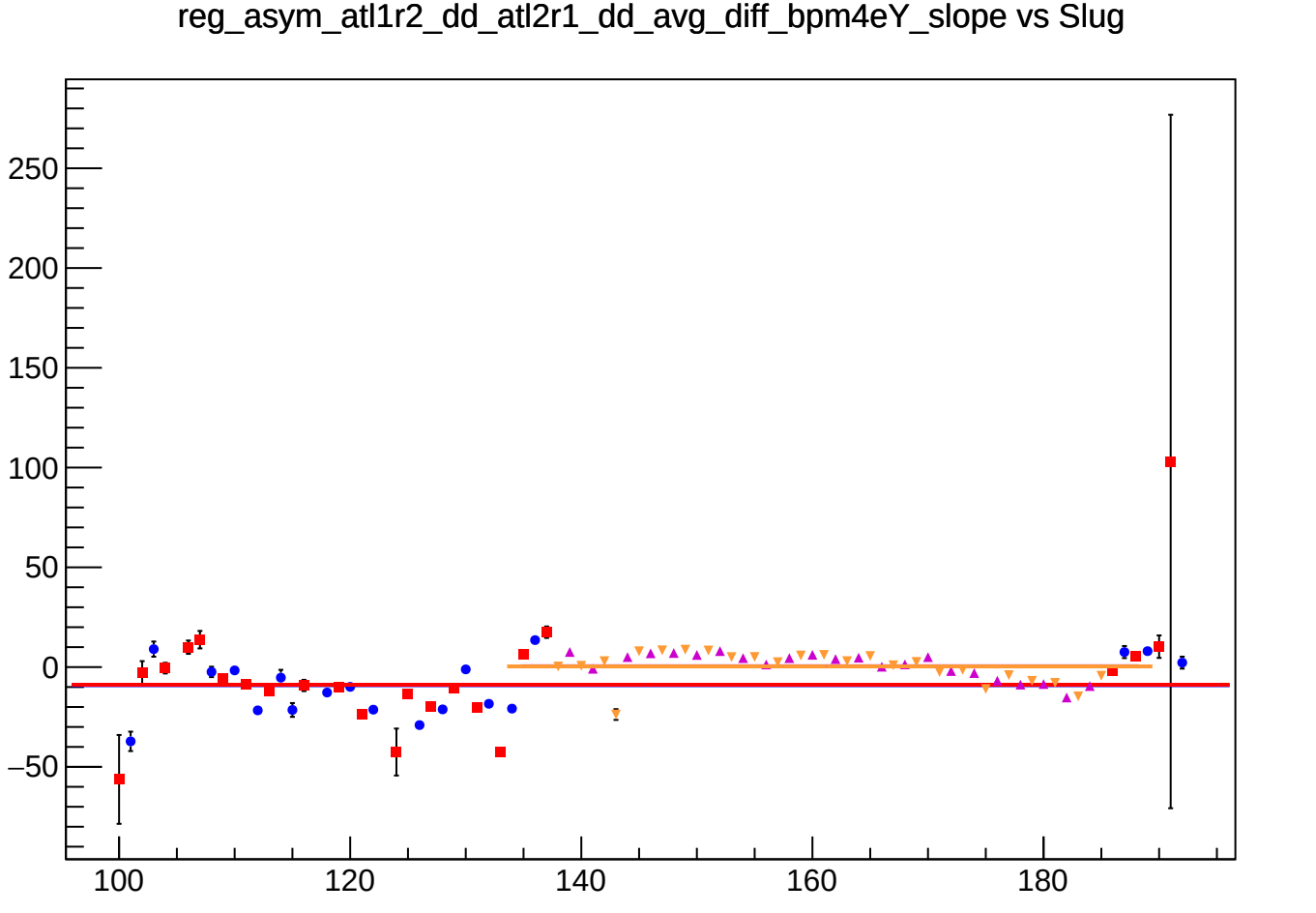
Right Out: -63.285+/-0.327 χ^2/NDF: 4972.3/22

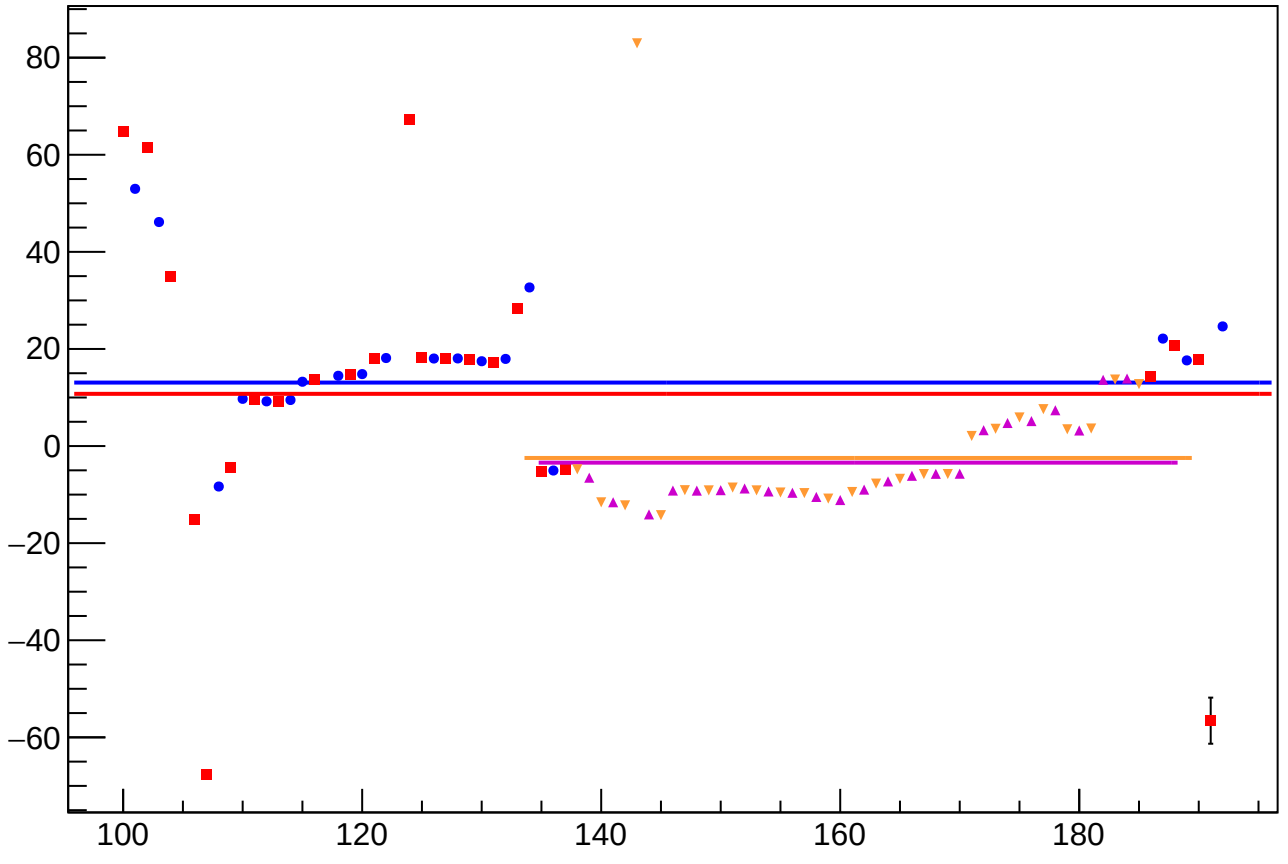
Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -27.315+/-0.222 χ^2/NDF: 16906.7/43

All: -30.338+/-0.151 χ^2/NDF: 38075.7/89

\- sign -32.988+/-0.208 χ^2/NDF: 20820.0/45


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug
250
200
150
100
50
0
−50
100
120
140
160
180
Right In: -9.076+/-0.481 χ²/NDF: 775.1/18
Left Out: 0.345+/-0.231 χ²/NDF:921.9/24
Right Out: -8.856+/-0.463 χ²/NDF: 811.0/22
Left In: 0.433+/-0.237 χ²/NDF:782.1/22
+ sign -1.425+/-0.208 χ²/NDF: 2008.5/43
All: -1.456+/-0.148 χ²/NDF: 3920.3/89
- sign -1.489+/-0.211 χ²/NDF: 1911.8/45



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

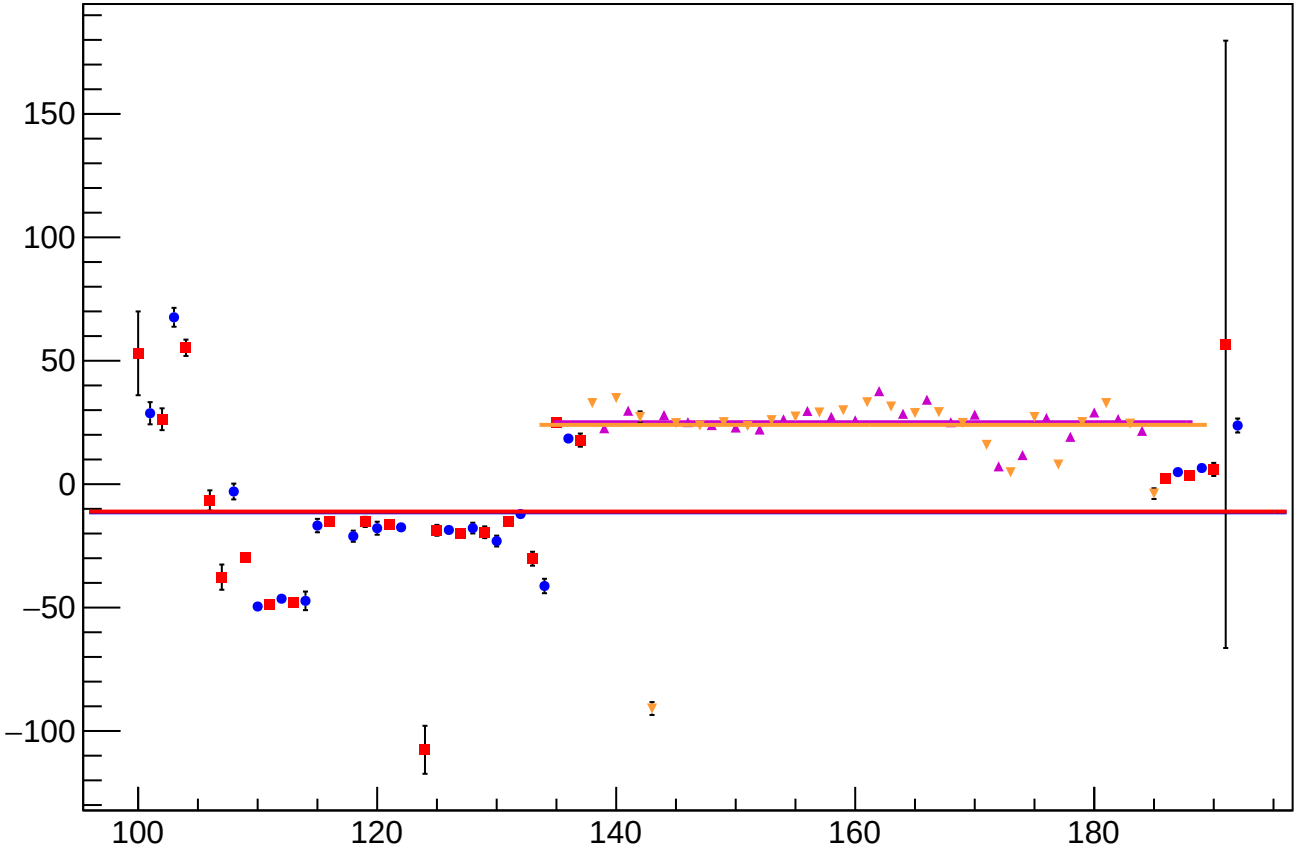
Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

\+ sign -0.488+/-0.010 χ^2/NDF: 1619036.1/43

All: -1.076+/-0.007 χ^2/NDF: 2858615.4/89

\- sign -1.677+/-0.010 χ^2/NDF: 1232107.6/45

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug



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

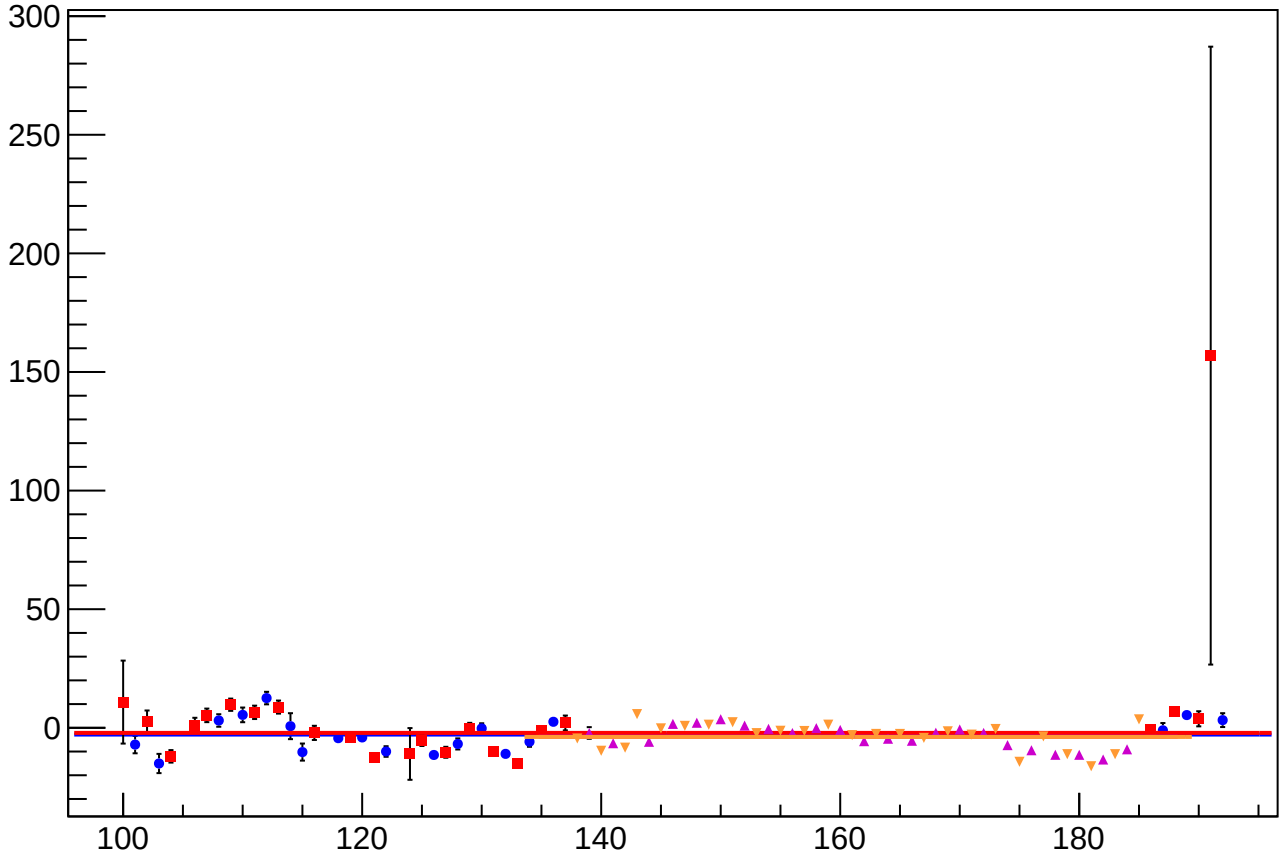
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.278+/-0.245 χ^2/NDF: 9195.7/43

All: 14.714+/-0.171 χ^2/NDF: 17126.6/89

- sign 14.173+/-0.240 χ^2/NDF: 7920.5/45

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -2.845+/-0.518 χ^2/NDF: 146.0/18

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

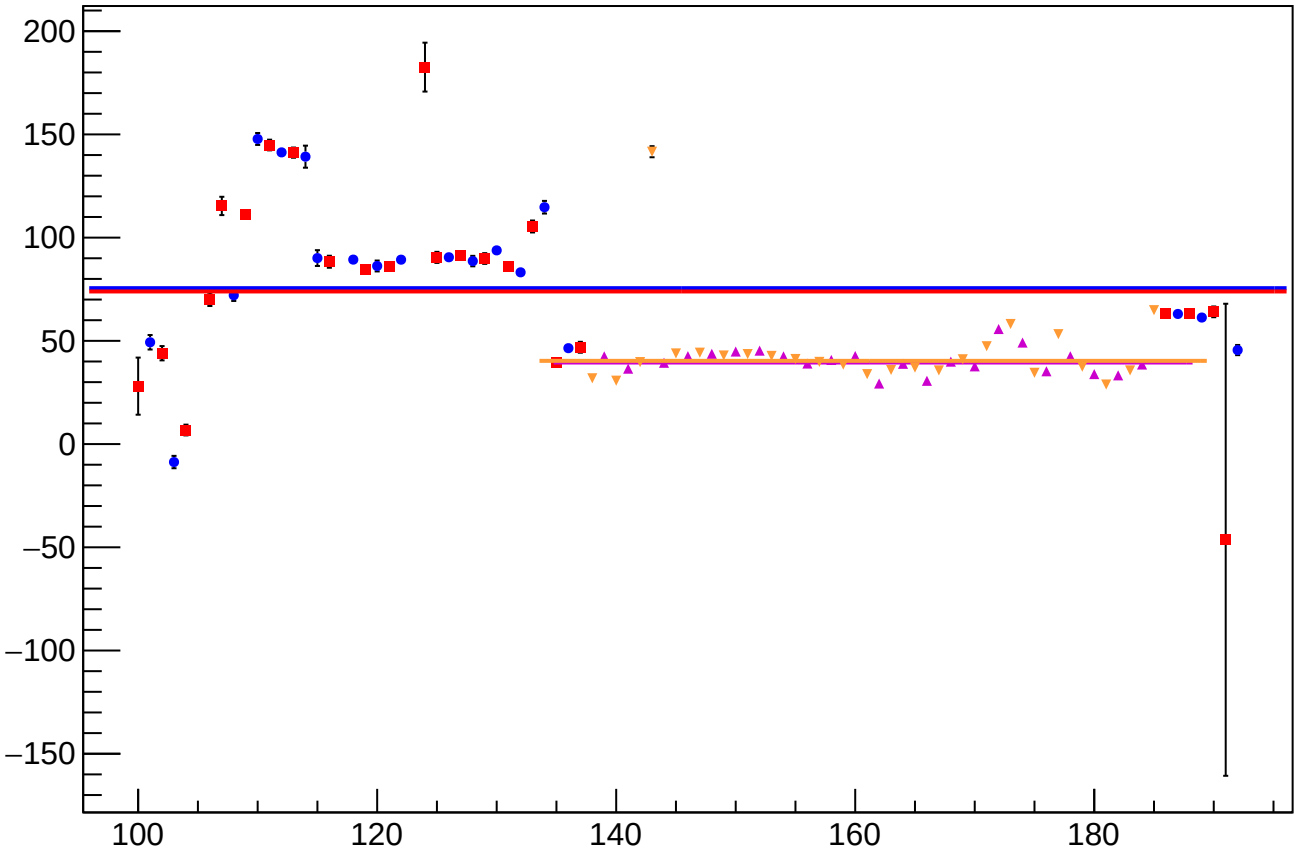
Right Out: -2.142+/-0.493 χ^2/NDF: 212.5/22

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.695+/-0.201 χ^2/NDF: 798.5/43

All: -3.599+/-0.143 χ^2/NDF: 1530.5/89

- sign -3.501+/-0.204 χ^2/NDF: 731.5/45



Right In: 75.520+/-0.522 χ^2/NDF: 3605.9/18

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

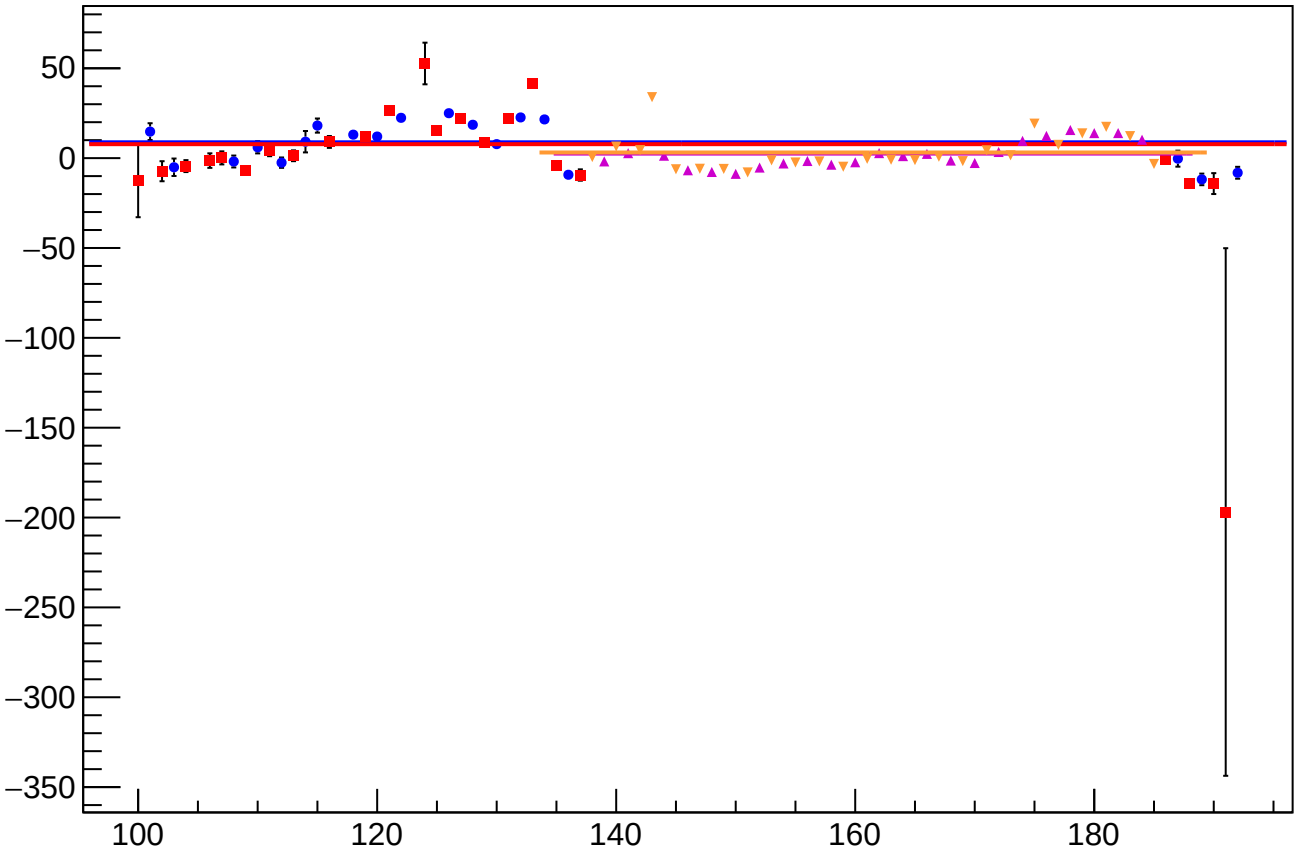
Right Out: 73.925+/-0.441 χ^2/NDF: 3762.5/22

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.183+/-0.247 χ^2/NDF: 9318.0/43

All: 48.929+/-0.172 χ^2/NDF: 17829.4/89

- sign 49.629+/-0.239 χ^2/NDF: 8493.7/45



Right In: 8.800+/-0.599 χ^2/NDF: 437.4/18

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

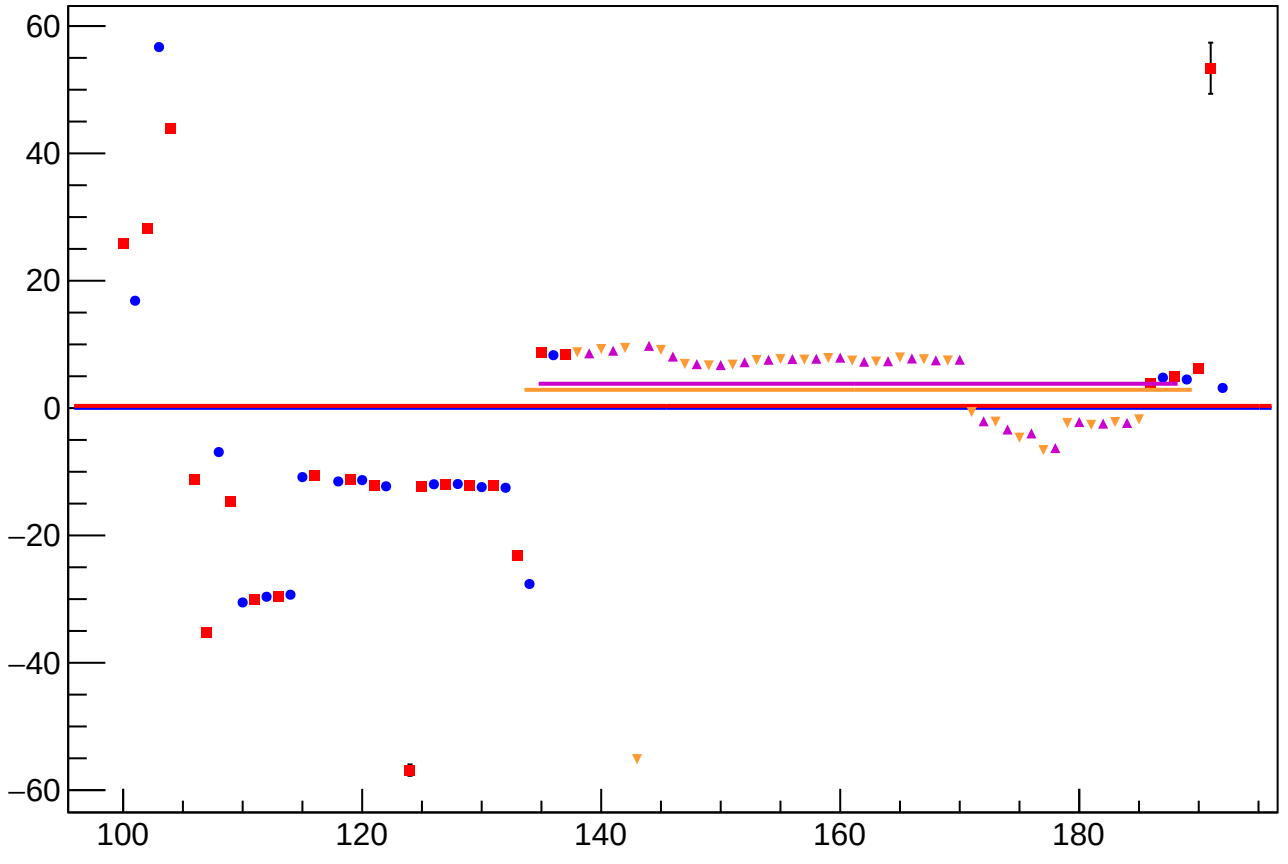
Right Out: 7.768+/-0.591 χ^2/NDF: 615.8/22

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.955+/-0.227 χ^2/NDF: 1780.8/43

All: 3.644+/-0.162 χ^2/NDF: 3435.5/89

- sign 3.322+/-0.231 χ^2/NDF: 1650.9/45



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

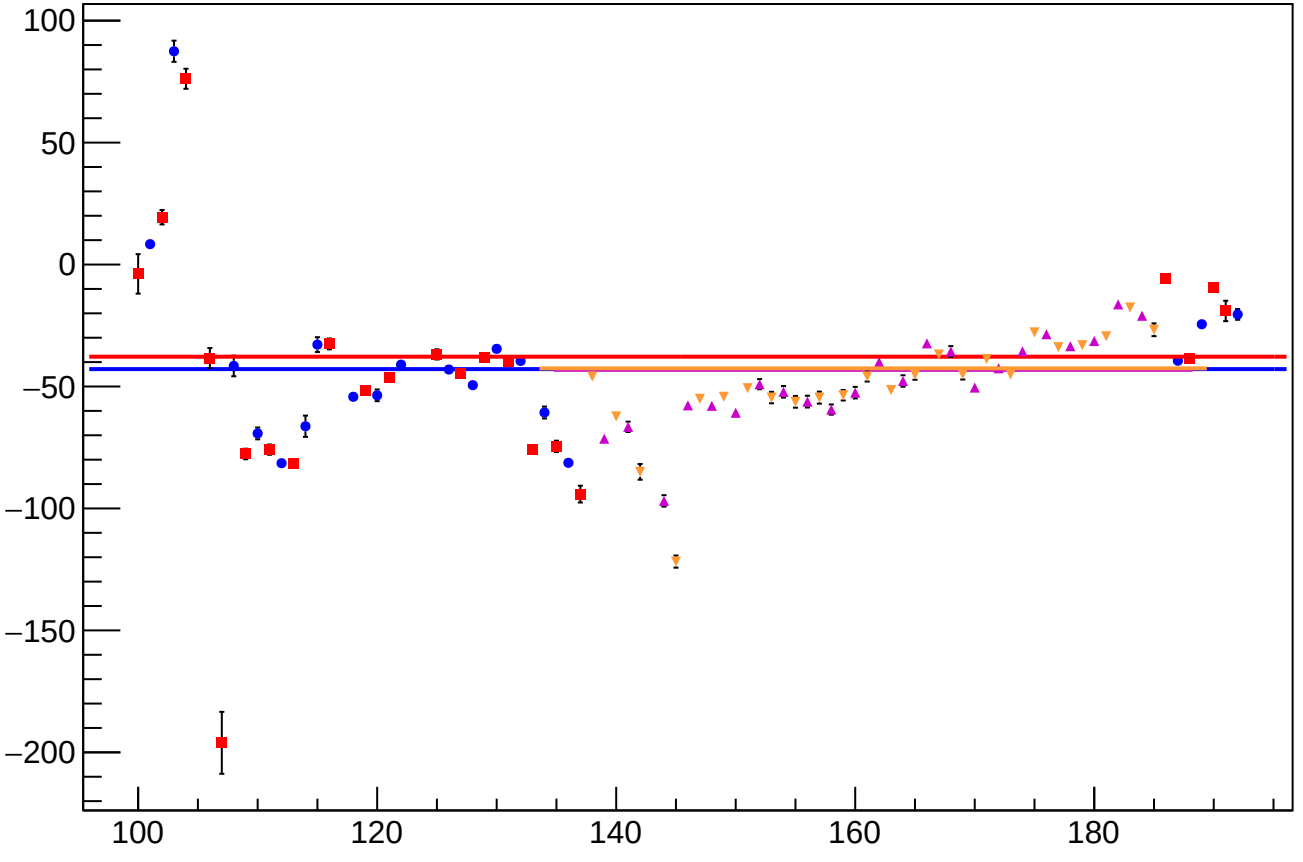
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.582+/-0.010 χ^2/NDF: 889923.6/43

All: 3.029+/-0.007 χ^2/NDF: 1456943.0/89

- sign 3.488+/-0.011 χ^2/NDF: 563278.0/45

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



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

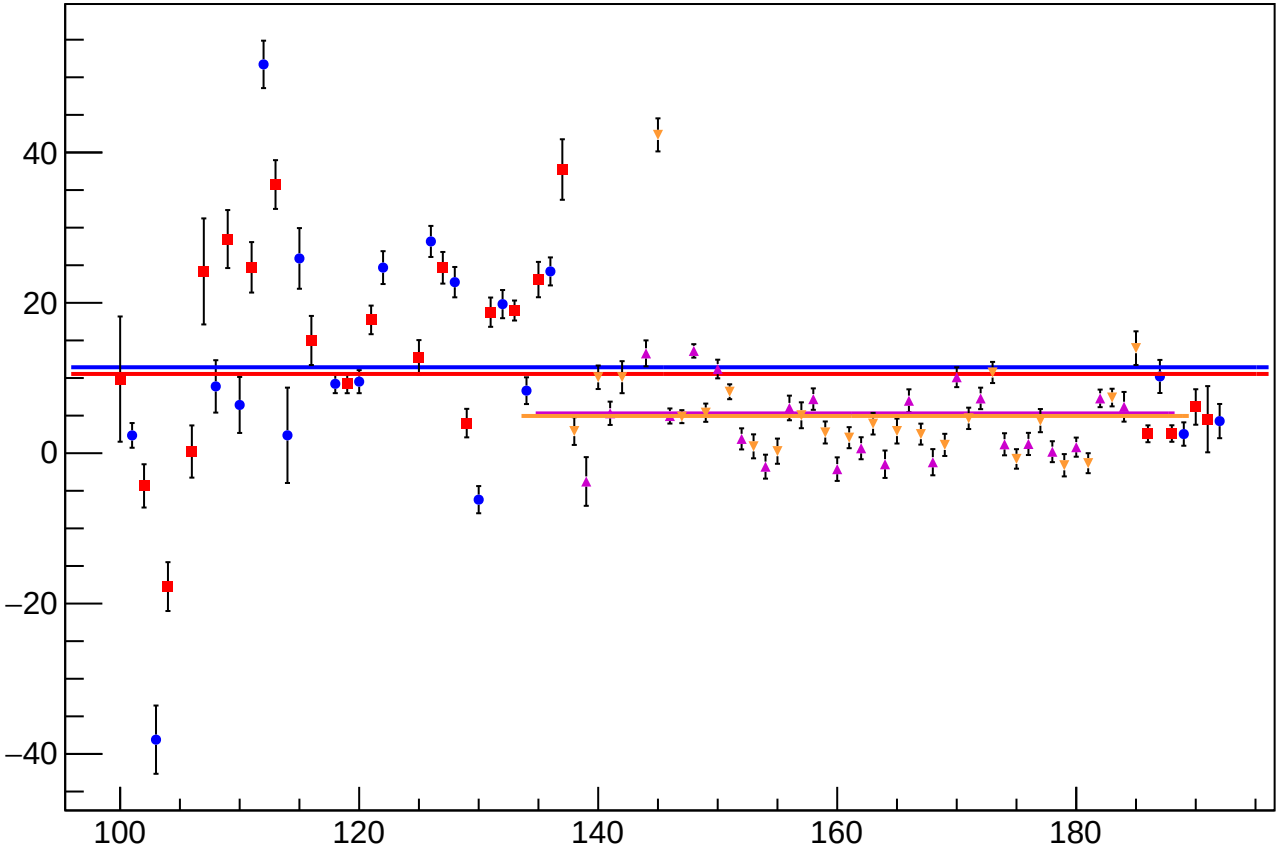
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

+ sign -42.685+/-0.292 χ^2/NDF: 5448.6/42

All: -41.544+/-0.200 χ^2/NDF: 12755.9/87

- sign -40.541+/-0.273 χ^2/NDF: 7278.5/44

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



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

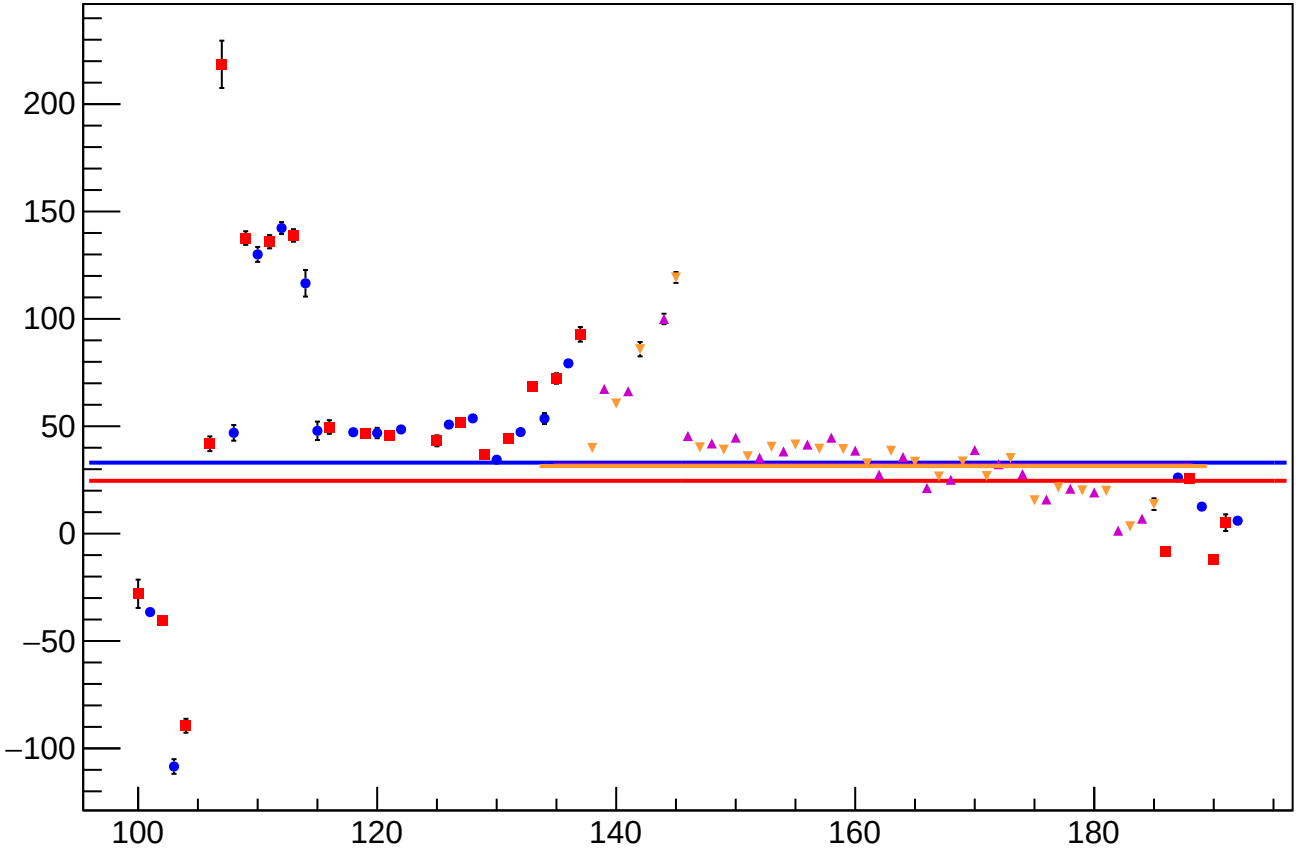
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.728+/-0.246 χ^2/NDF: 1263.0/42

All: 6.829+/-0.173 χ^2/NDF: 2179.0/87

- sign 6.929+/-0.244 χ^2/NDF: 915.7/44

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



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

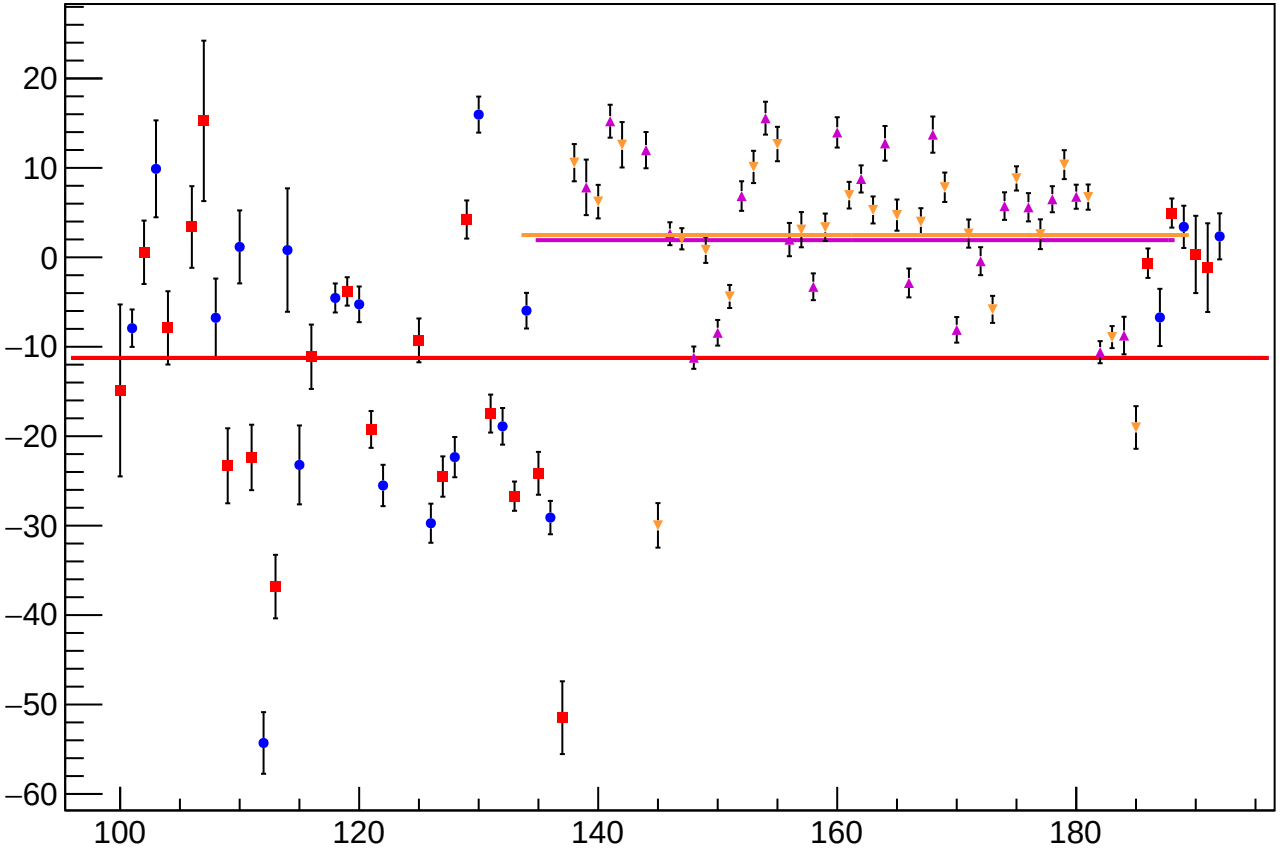
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

+ sign 32.087+/-0.291 χ^2/NDF: 10729.4/42

All: 29.930+/-0.195 χ^2/NDF: 24701.9/87

- sign 28.155+/-0.264 χ^2/NDF: 13872.4/44

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -11.250+/-0.558 χ^2/NDF: 717.7/18

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

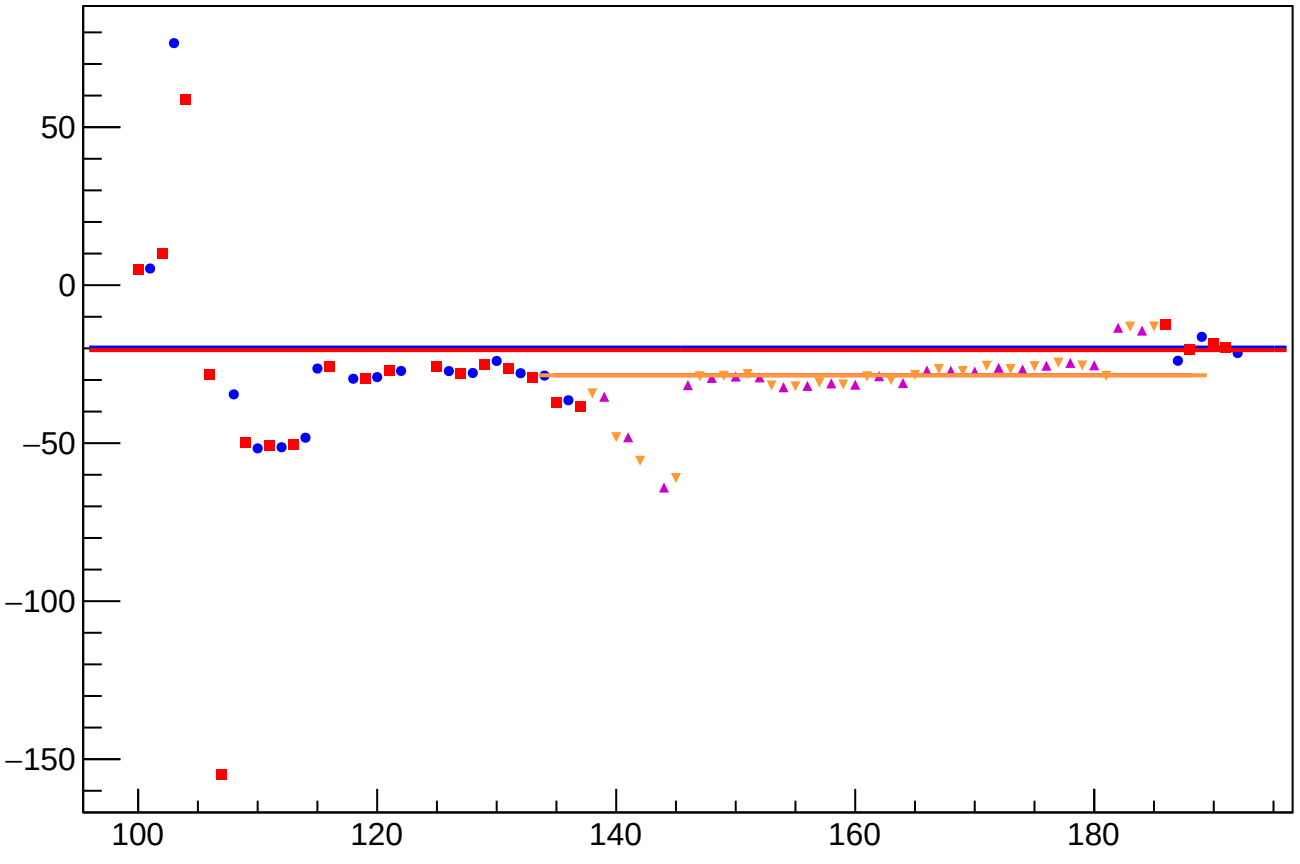
Right Out: -11.249+/-0.544 χ^2/NDF: 601.4/21

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

+ sign -1.012+/-0.282 χ^2/NDF: 1727.7/42

All: -1.333+/-0.200 χ^2/NDF: 3438.2/87

- sign -1.657+/-0.283 χ^2/NDF: 1707.9/44



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

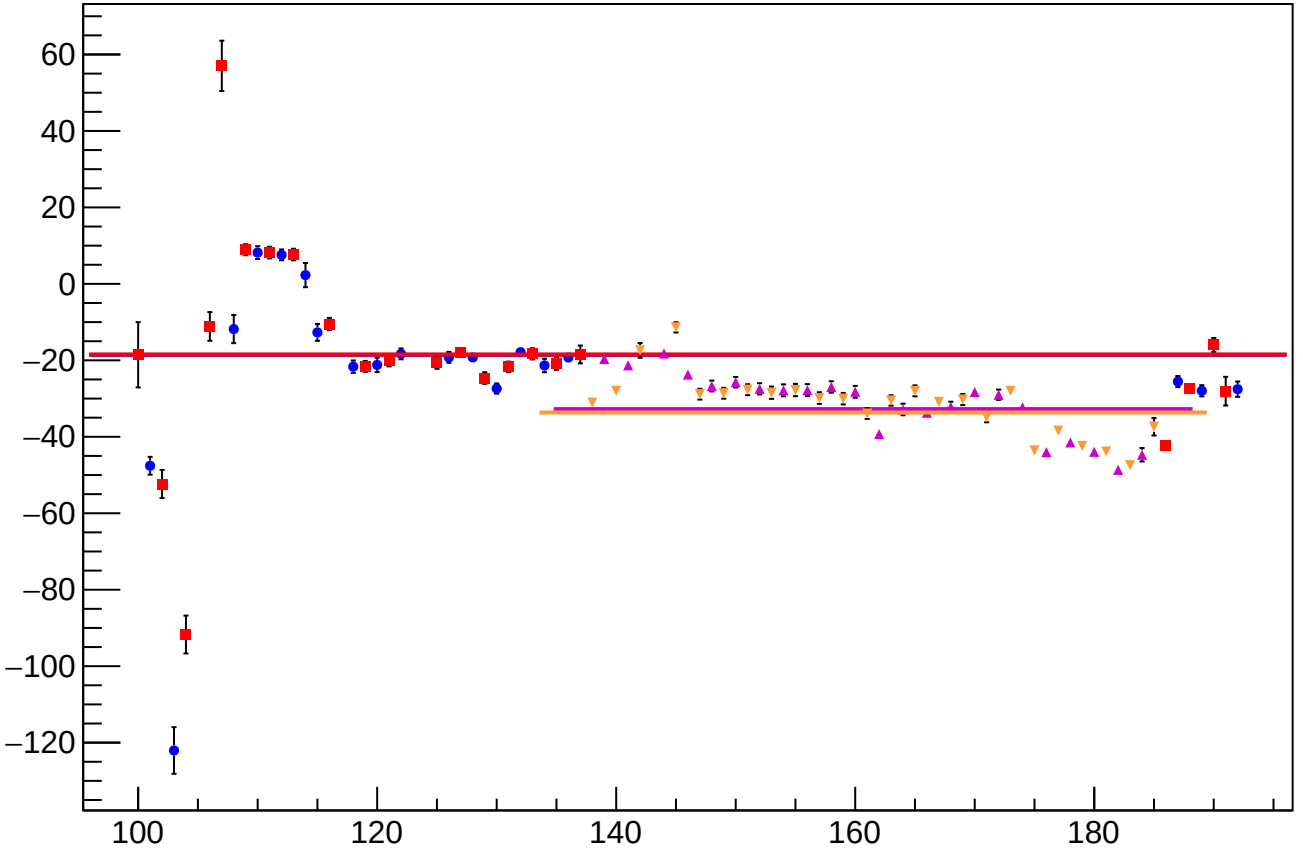
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -26.885+/-0.013 χ^2/NDF: 1048338.3/42

All: -26.981+/-0.009 χ^2/NDF: 1940096.4/87

- sign -27.079+/-0.013 χ^2/NDF: 891653.4/44

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



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

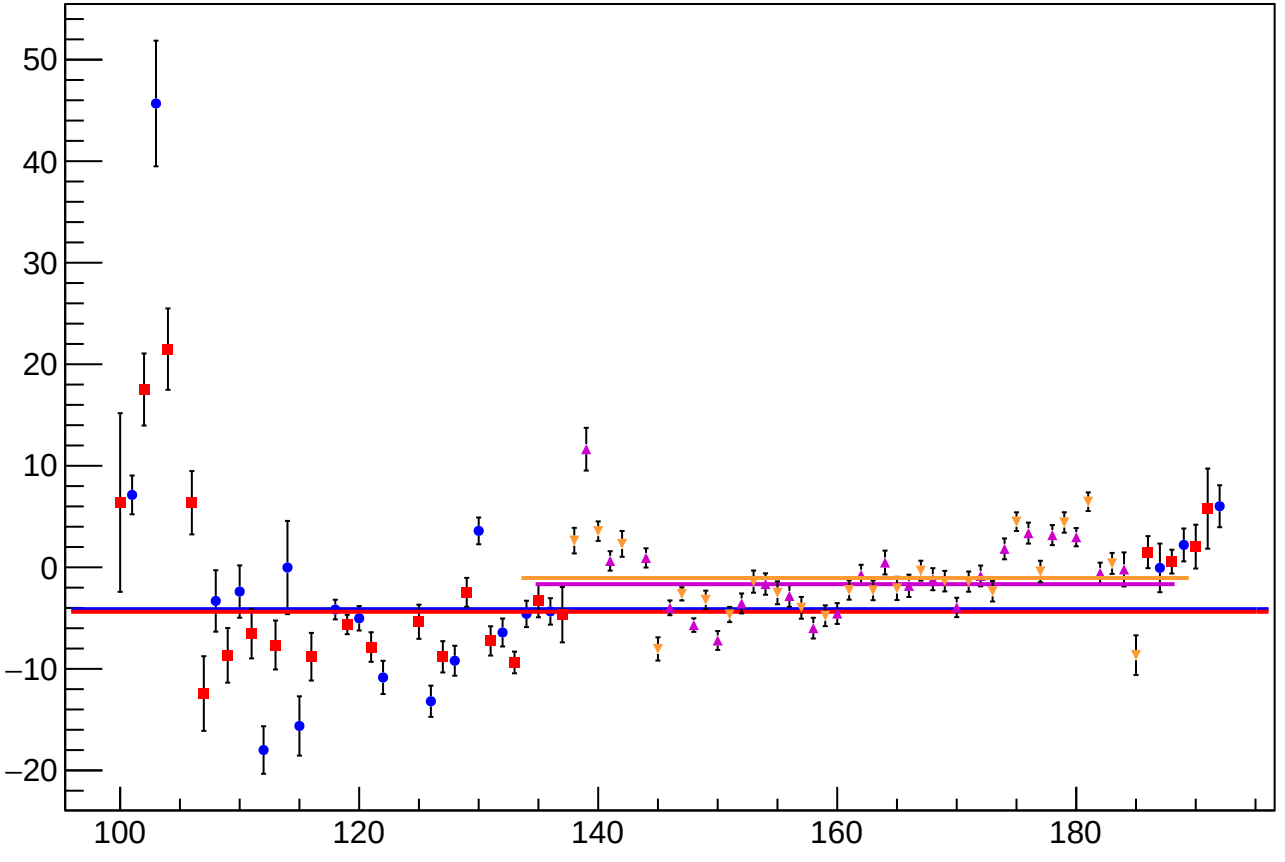
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -28.522+/-0.215 χ^2/NDF: 3342.8/42

All: -27.930+/-0.151 χ^2/NDF: 7507.6/87

- sign -27.357+/-0.212 χ^2/NDF: 4149.9/44

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



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

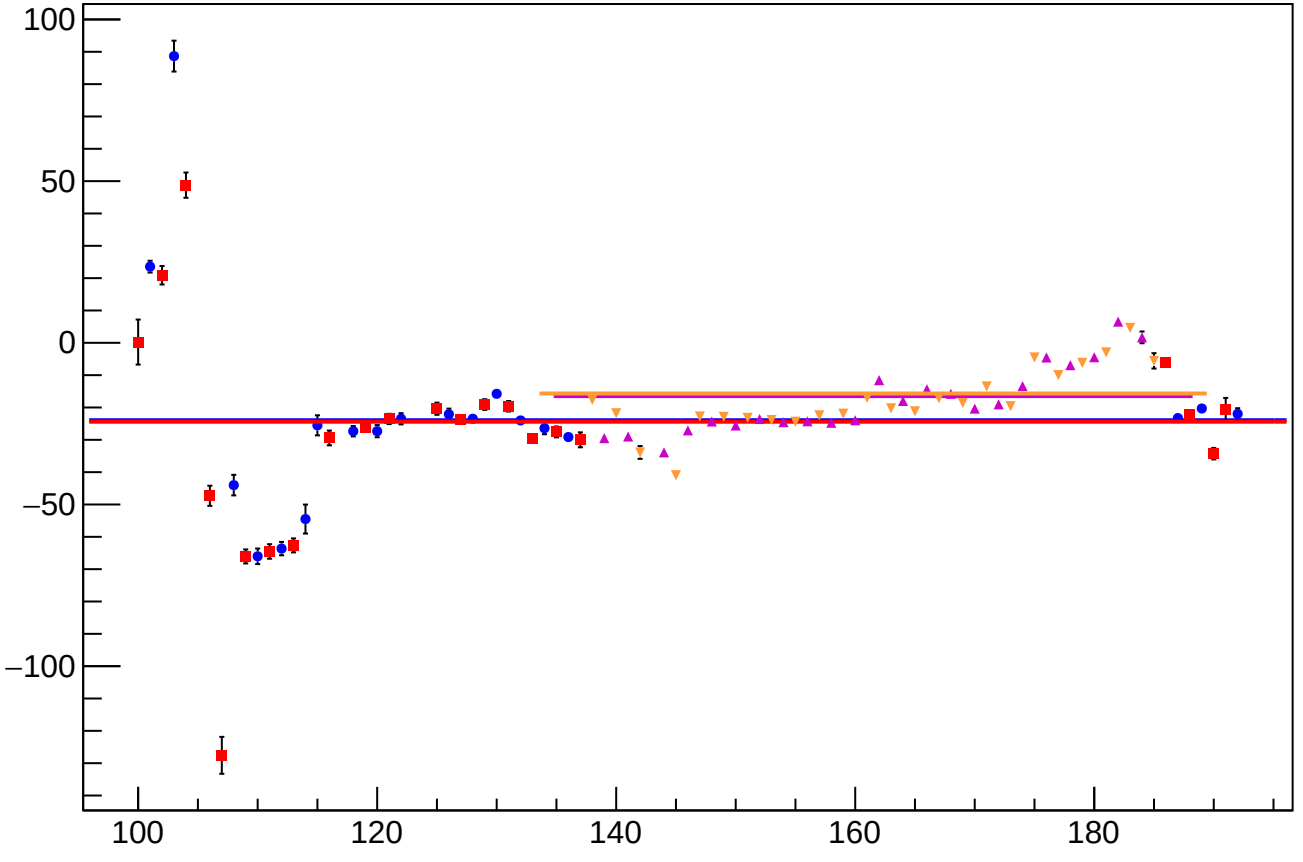
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.737+/-0.179 χ^2/NDF: 635.4/42

All: -2.010+/-0.127 χ^2/NDF: 1142.3/87

- sign -2.291+/-0.181 χ^2/NDF: 502.1/44

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



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

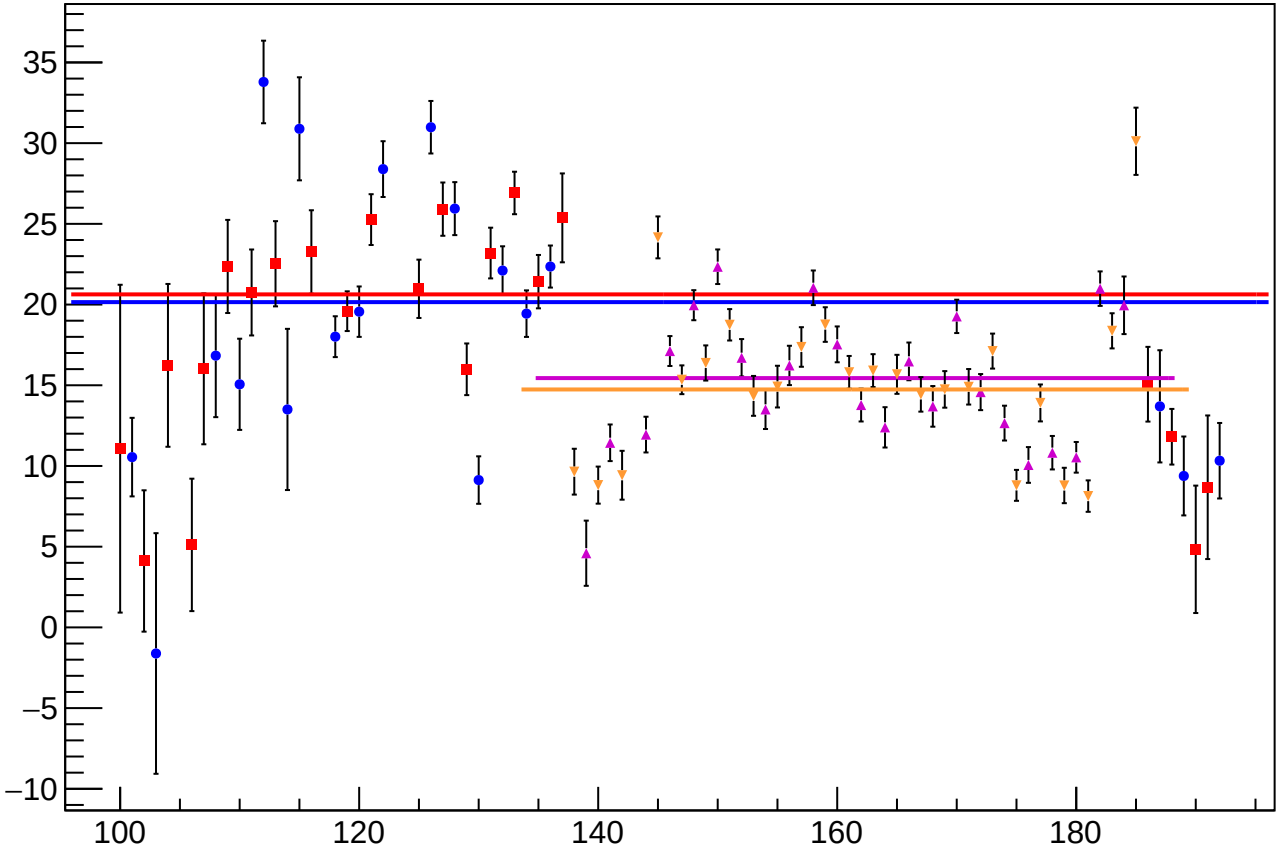
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

\+ sign -18.233+/-0.219 χ^2/NDF: 3890.6/42

All: -18.805+/-0.152 χ^2/NDF: 8346.6/87

\- sign -19.345+/-0.212 χ^2/NDF: 4442.7/44

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



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

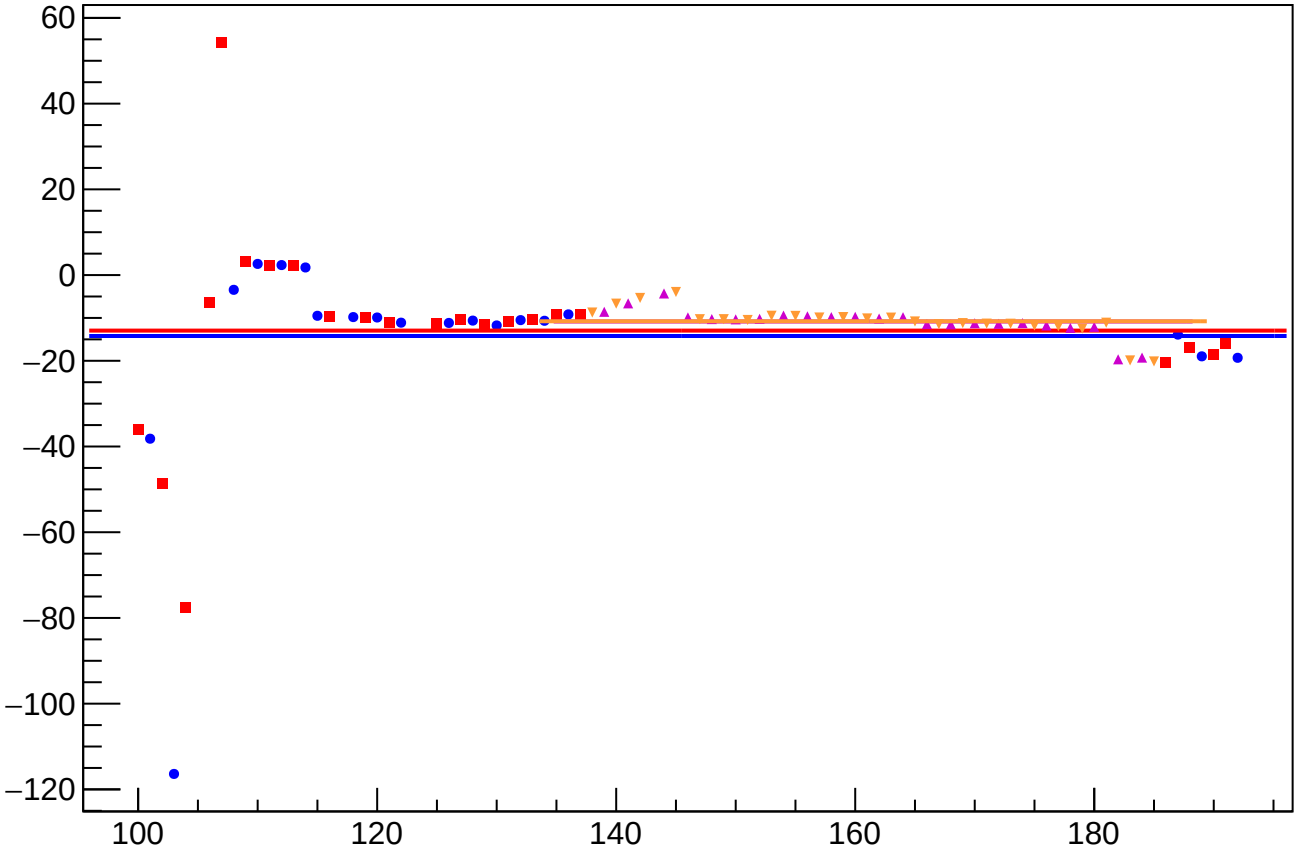
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.902+/-0.203 χ^2/NDF: 704.2/42

All: 16.222+/-0.145 χ^2/NDF: 1250.5/87

- sign 16.553+/-0.207 χ^2/NDF: 541.2/44

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



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

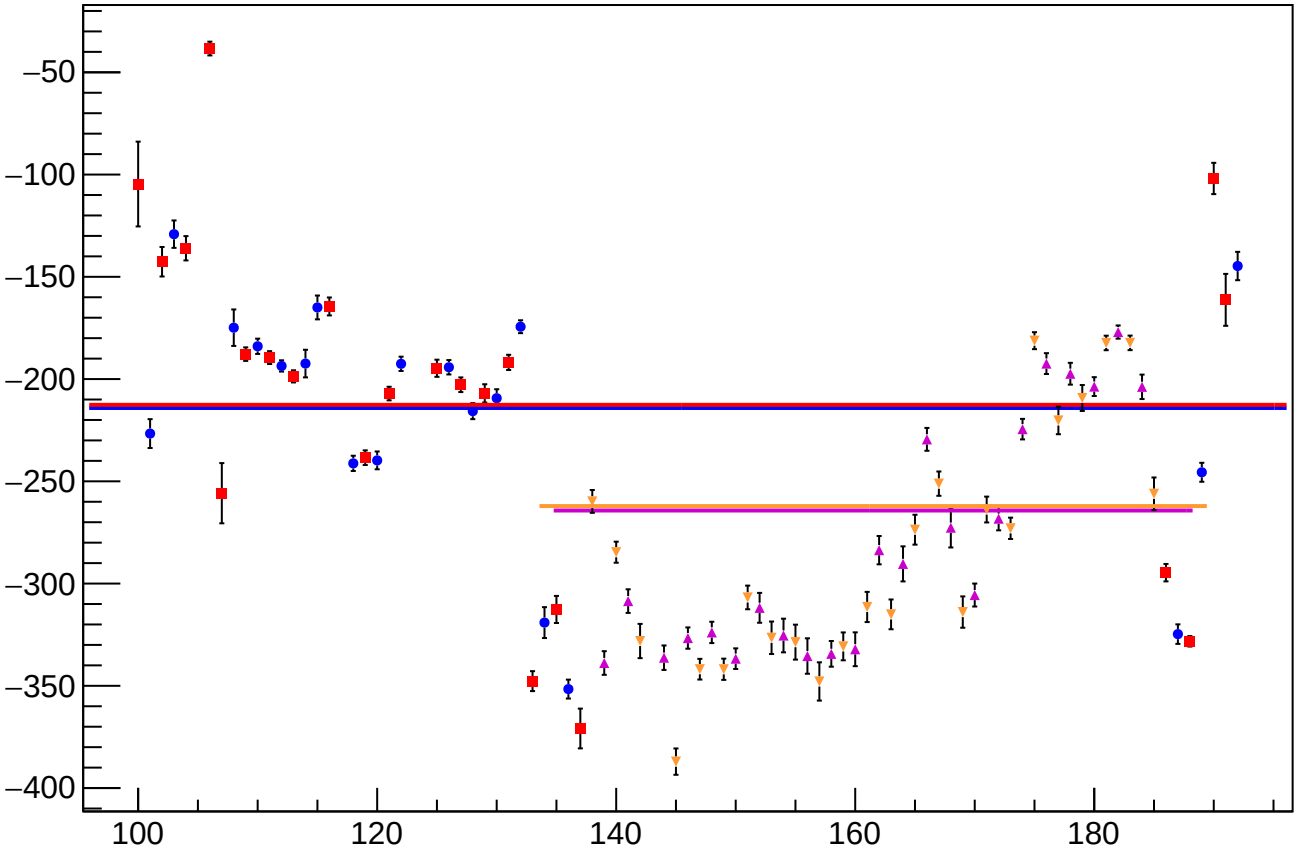
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -11.263+/-0.010 χ^2/NDF: 454051.0/42

All: -11.184+/-0.007 χ^2/NDF: 856635.6/87

- sign -11.103+/-0.010 χ^2/NDF: 402446.1/44

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



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

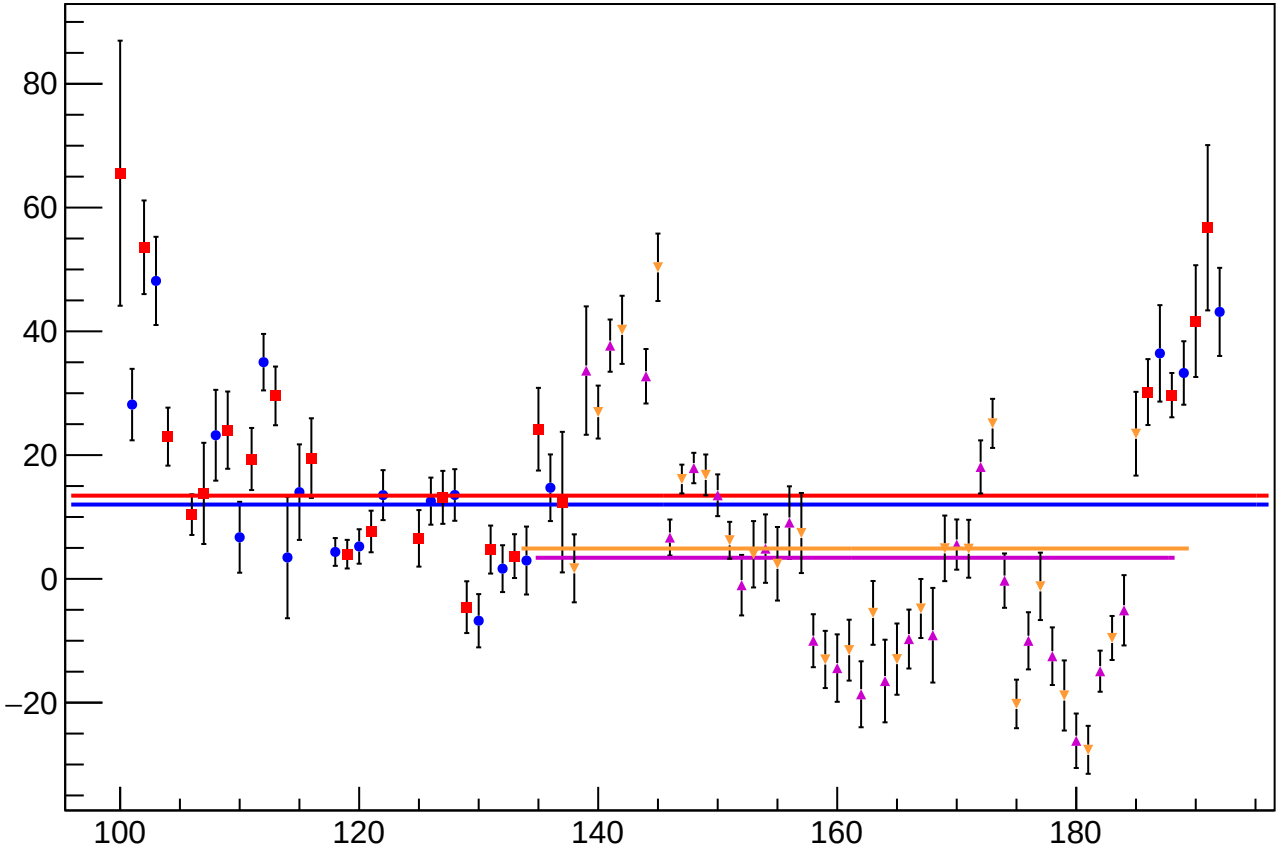
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -234.309+/-0.765 χ^2/NDF: 6384.8/42

All: -232.813+/-0.523 χ^2/NDF: 17592.1/87

- sign -231.498+/-0.717 χ^2/NDF: 11200.2/44

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



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

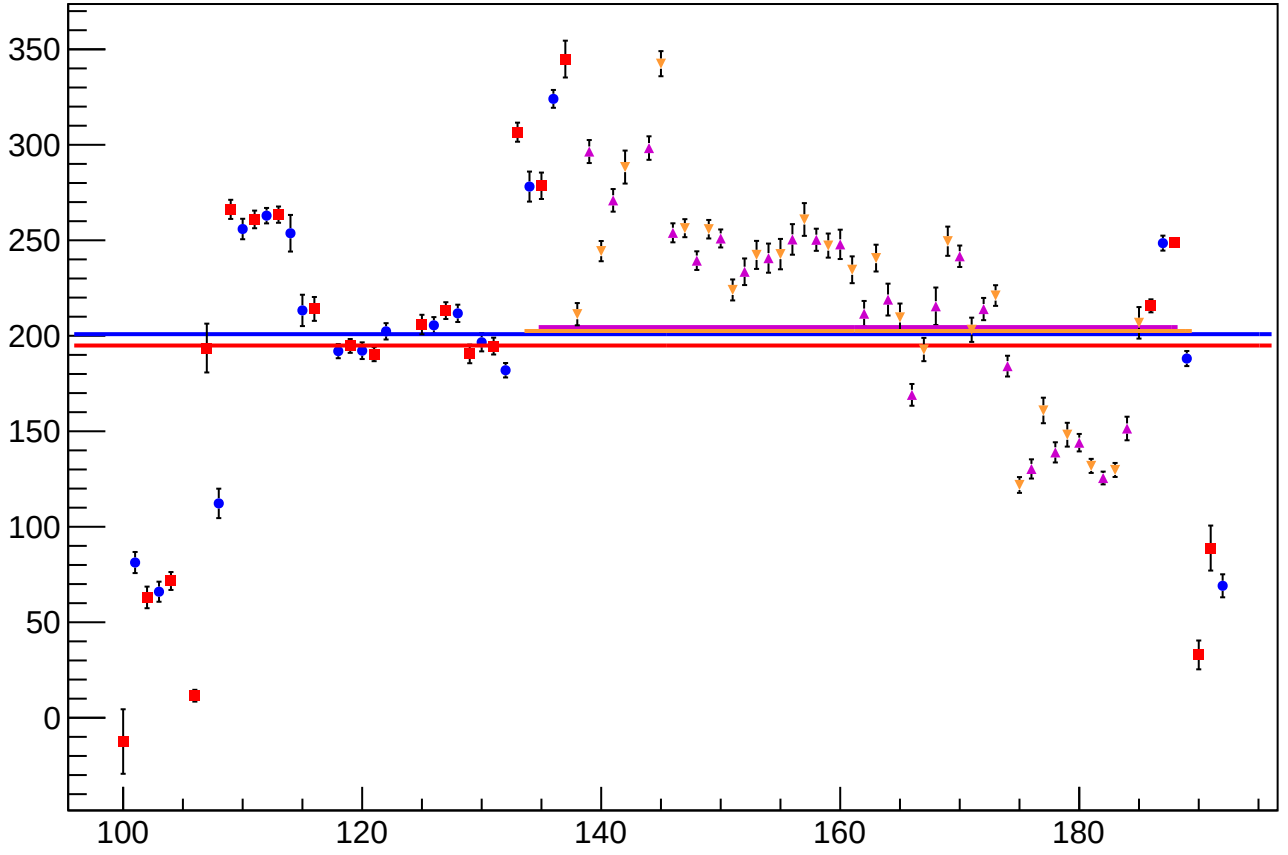
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 7.952+/-0.670 χ^2/NDF: 582.9/42

All: 7.990+/-0.471 χ^2/NDF: 1135.6/87

- sign 8.026+/-0.662 χ^2/NDF: 552.7/44

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



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

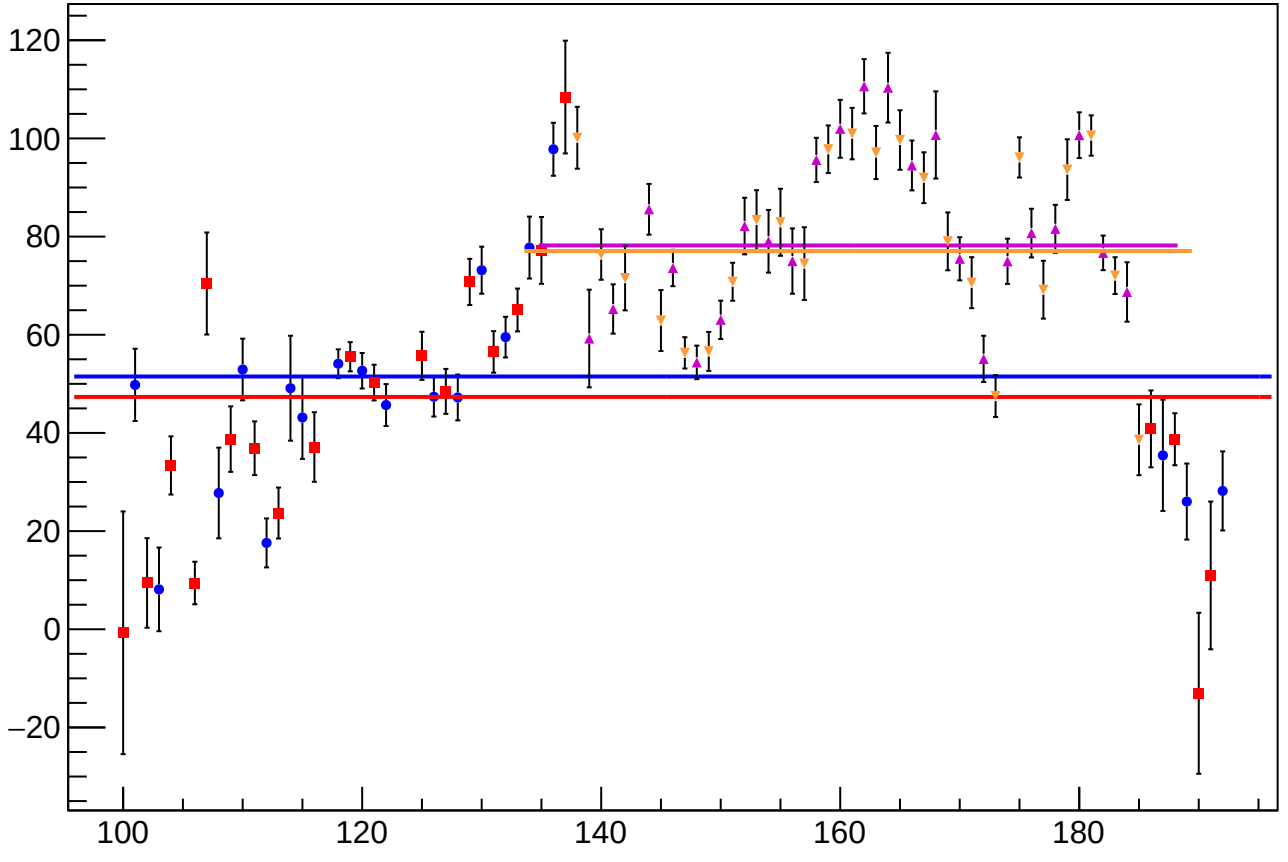
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 201.630+/-0.803 χ^2/NDF: 5497.5/42

All: 200.046+/-0.544 χ^2/NDF: 15592.0/87

- sign 198.708+/-0.739 χ^2/NDF: 10087.3/44

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



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

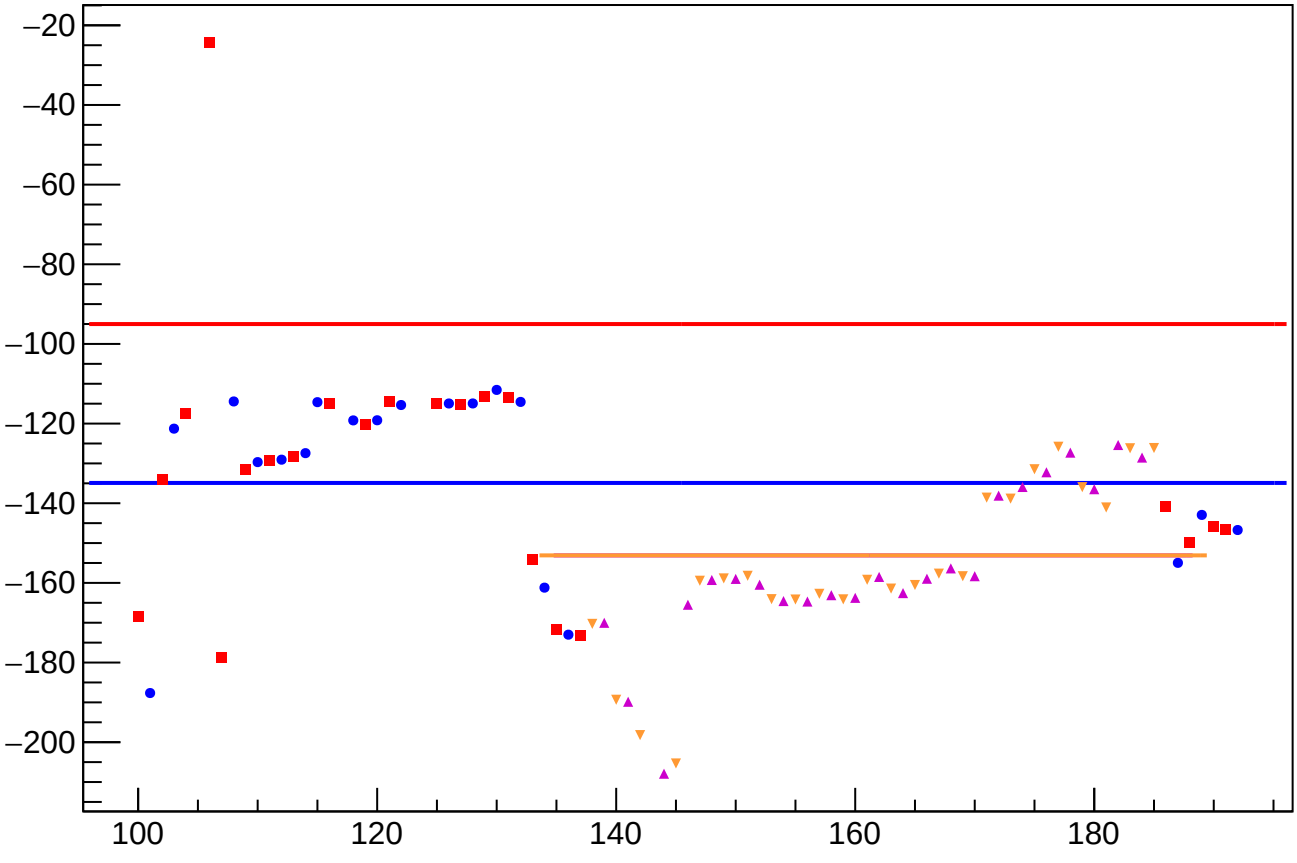
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 66.449+/-0.776 χ^2/NDF: 795.3/42

All: 65.567+/-0.547 χ^2/NDF: 1689.7/87

- sign 64.702+/-0.769 χ^2/NDF: 891.9/44

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



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

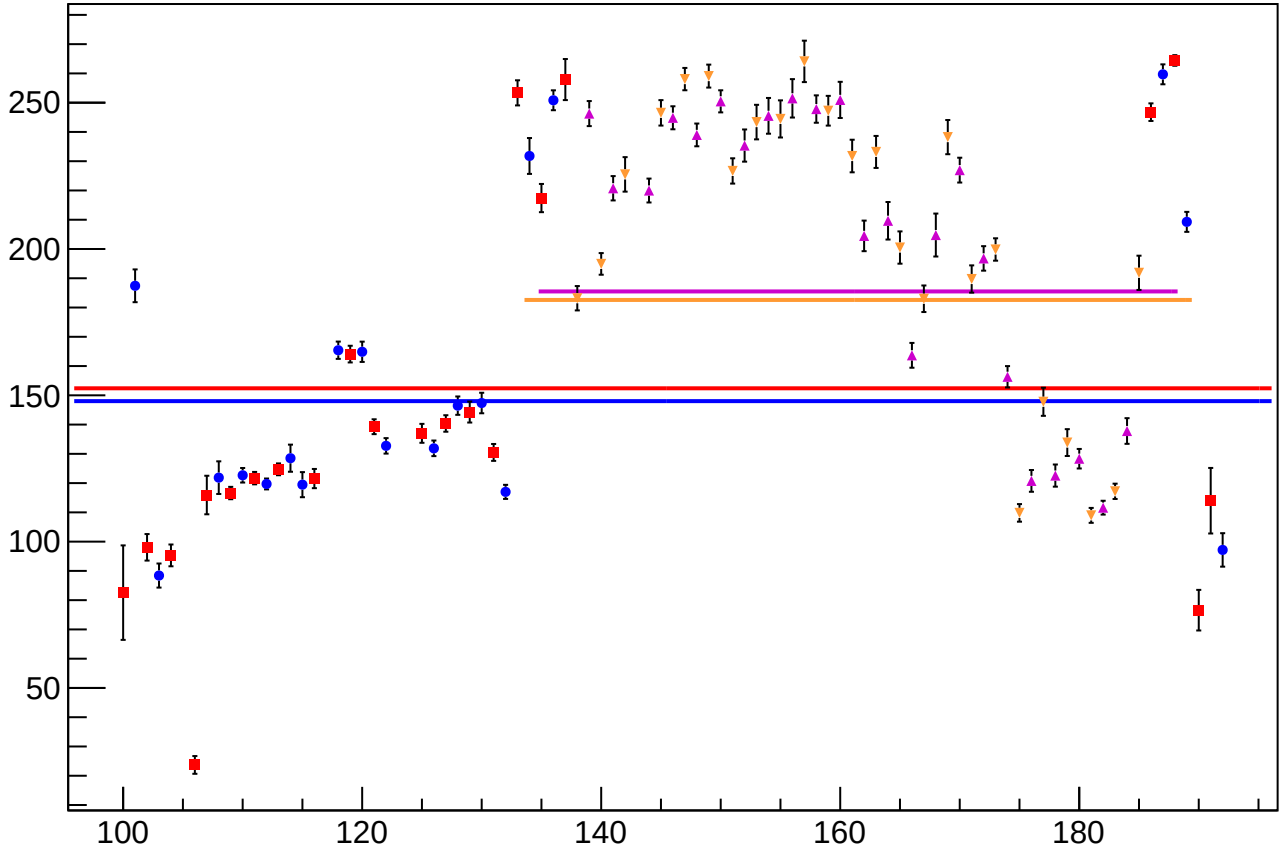
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.959+/-0.040 χ^2/NDF: 317864.8/42

All: -139.186+/-0.027 χ^2/NDF: 1963797.8/87

- sign -131.585+/-0.037 χ^2/NDF: 1555036.5/44

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



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

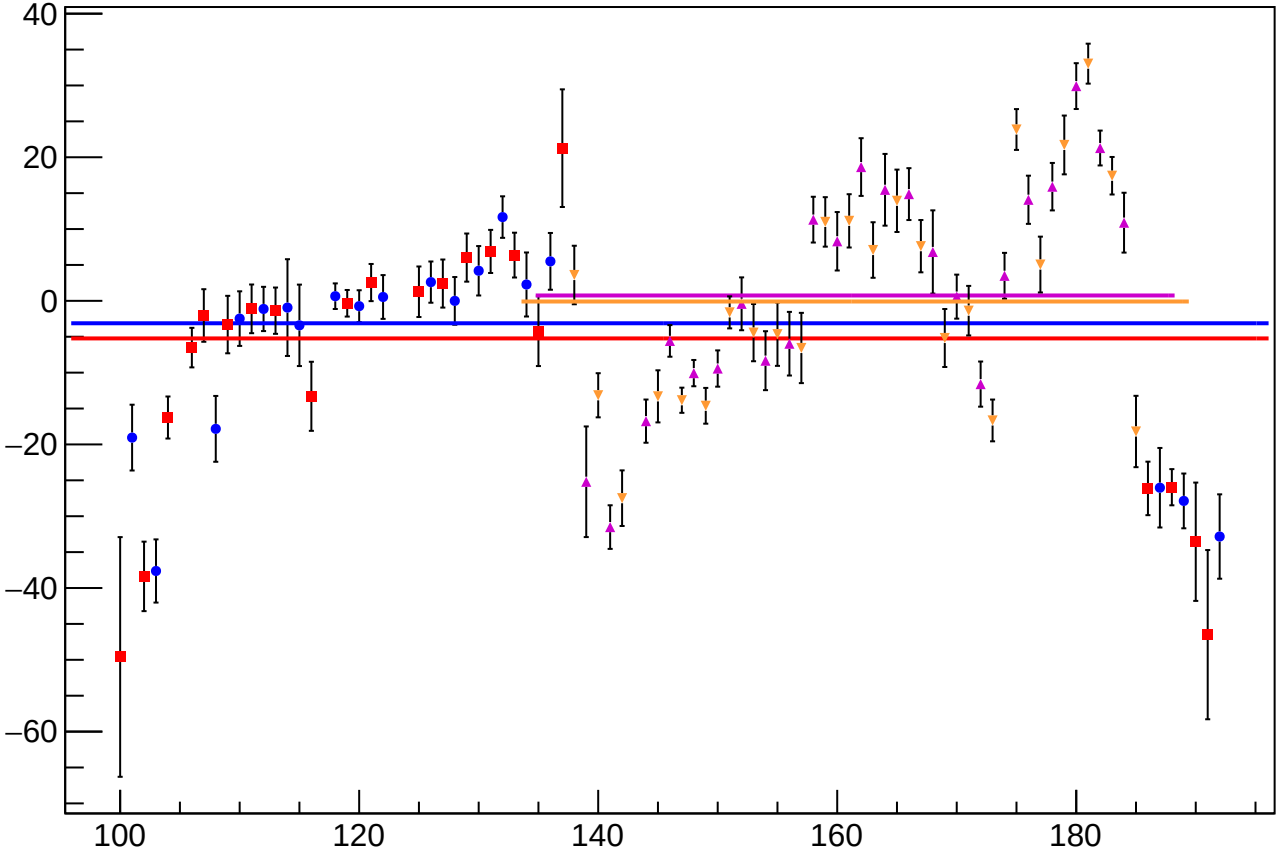
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 162.603+/-0.562 χ^2/NDF: 8624.4/42

All: 163.579+/-0.384 χ^2/NDF: 22425.7/87

- sign 164.432+/-0.526 χ^2/NDF: 13795.7/44

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



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

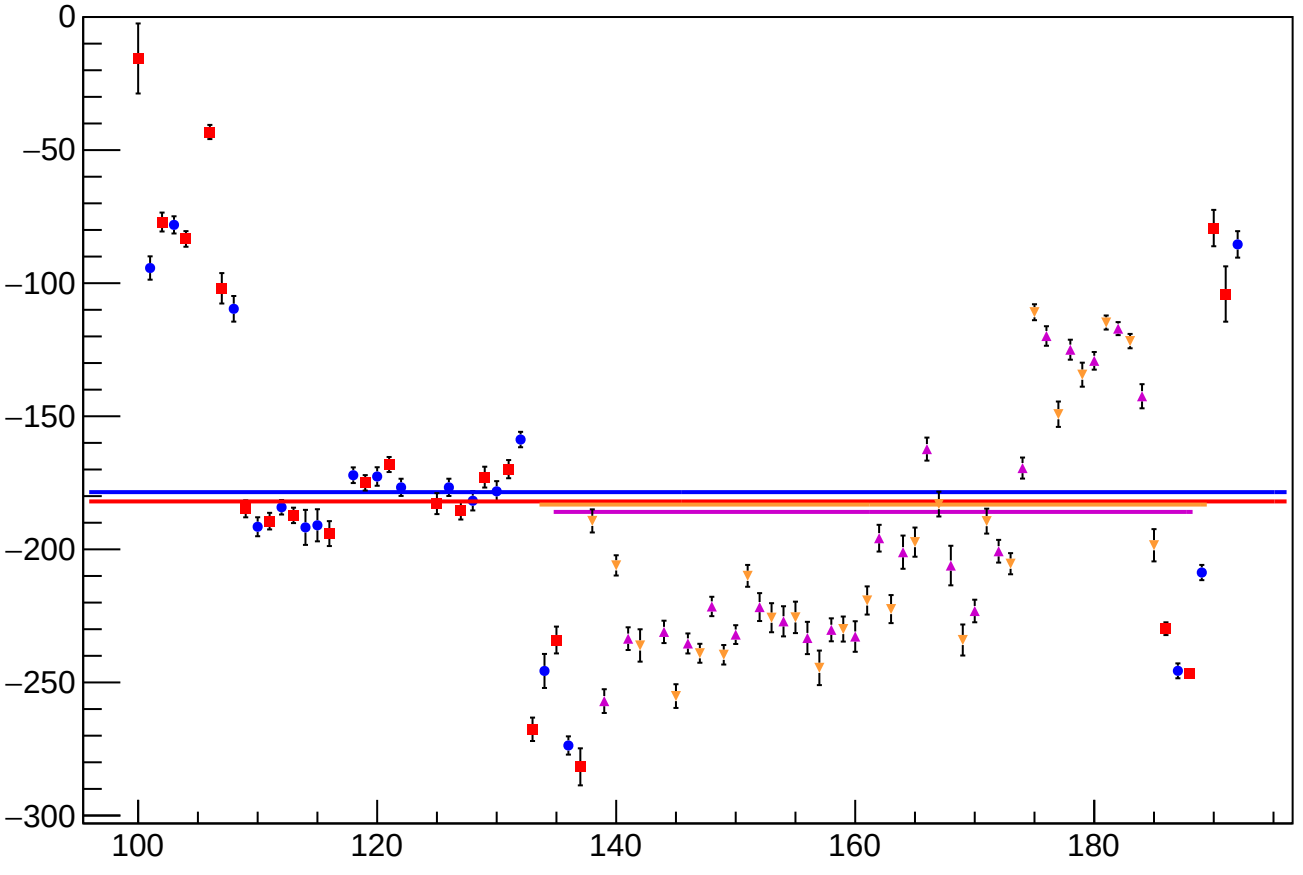
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -1.353+/-0.500 χ^2/NDF: 782.1/42

All: -1.667+/-0.351 χ^2/NDF: 1592.2/87

- sign -1.970+/-0.492 χ^2/NDF: 809.3/44

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



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

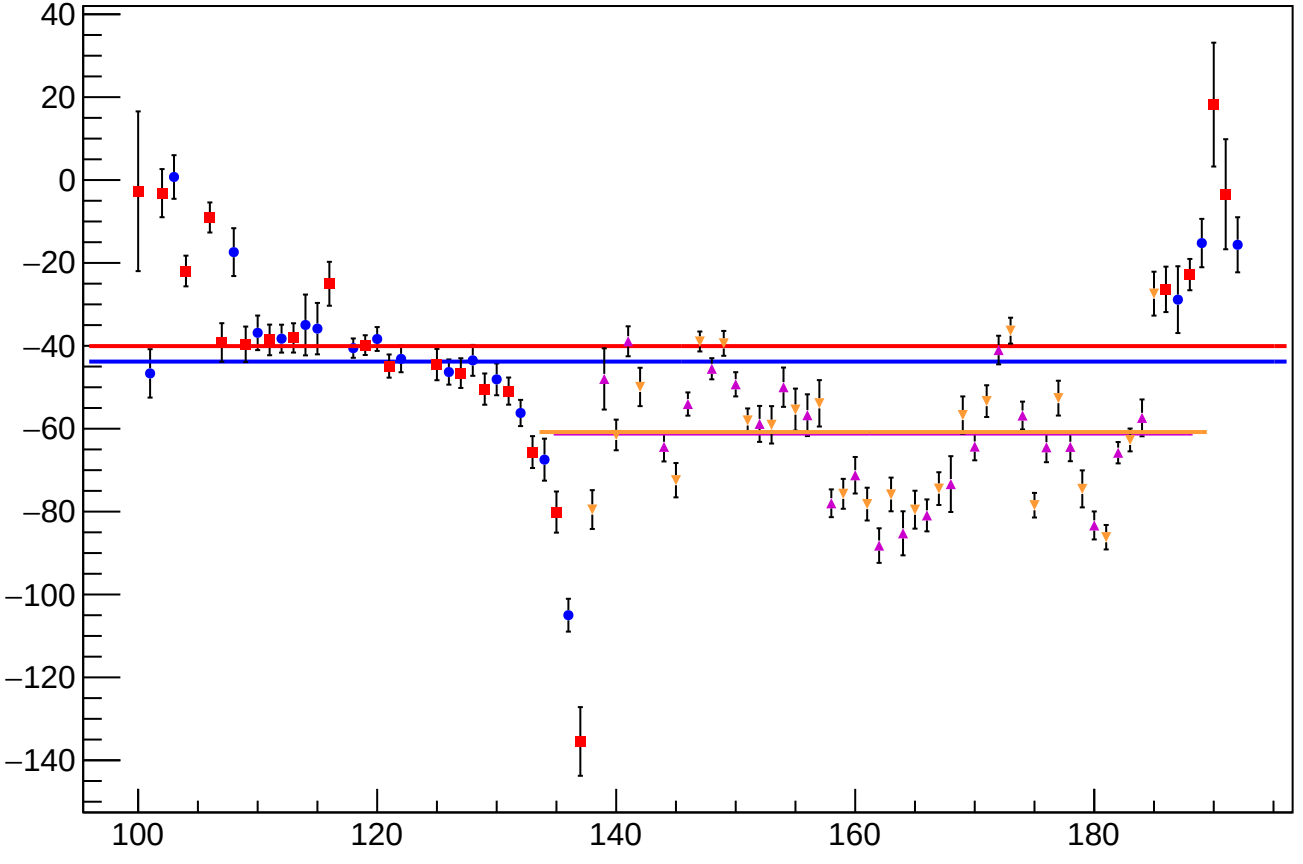
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -180.706+/-0.592 χ^2/NDF: 6916.6/42

All: -182.246+/-0.400 χ^2/NDF: 18593.1/87

- sign -183.538+/-0.542 χ^2/NDF: 11664.1/44

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



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

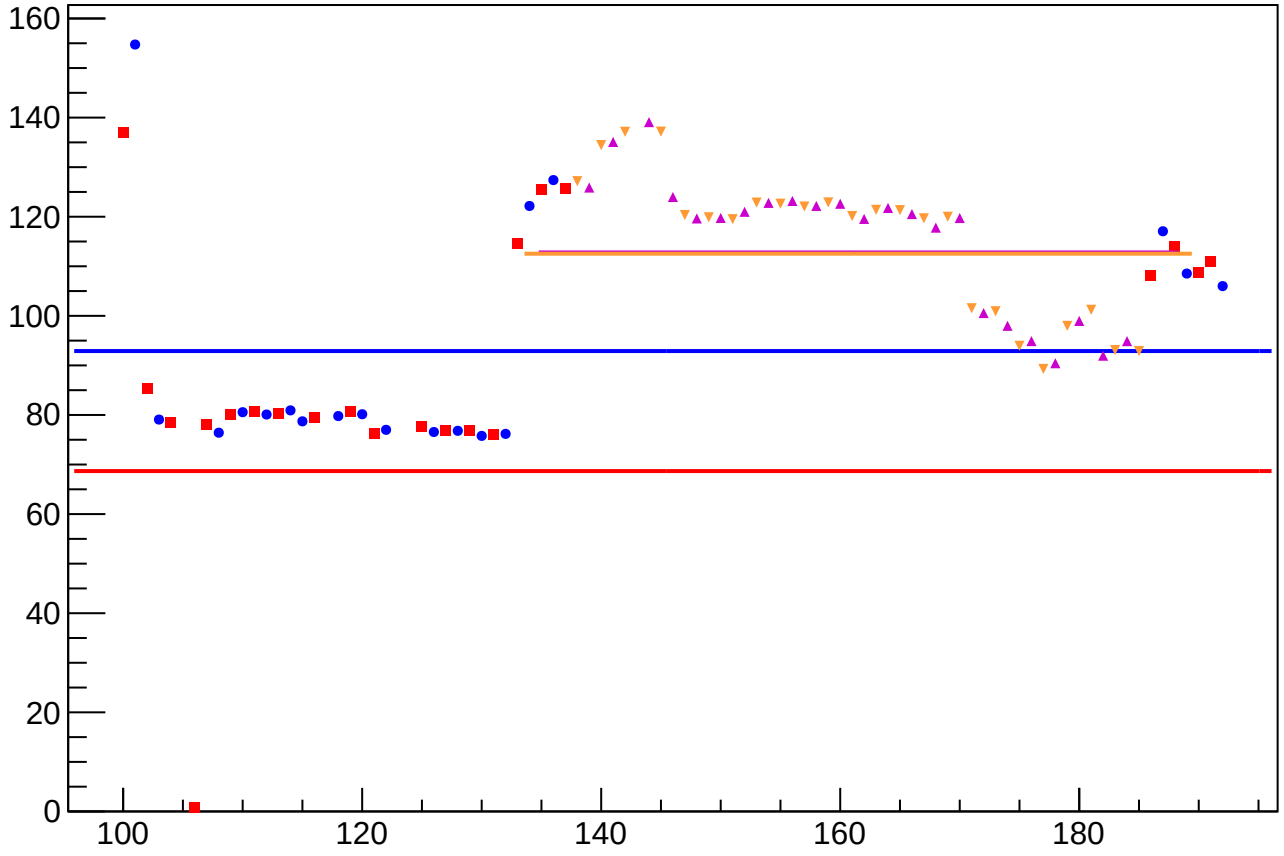
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -53.946+/-0.579 χ^2/NDF: 1111.8/42

All: -52.997+/-0.406 χ^2/NDF: 2237.2/87

- sign -52.073+/-0.571 χ^2/NDF: 1120.1/44

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



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

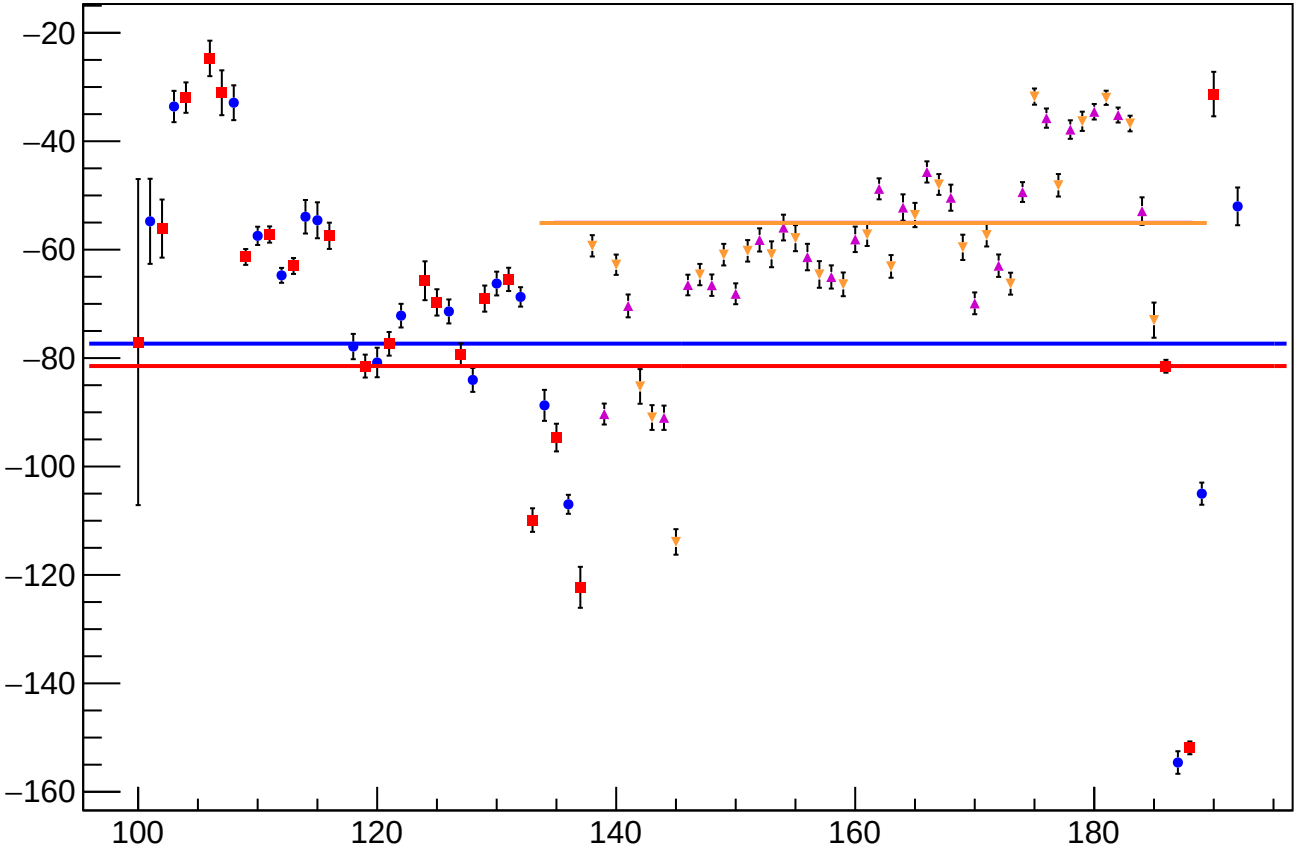
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.933+/-0.029 χ^2/NDF: 439307.3/42

All: 101.881+/-0.020 χ^2/NDF: 1995723.9/87

- sign 97.330+/-0.028 χ^2/NDF: 1499644.8/44

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



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

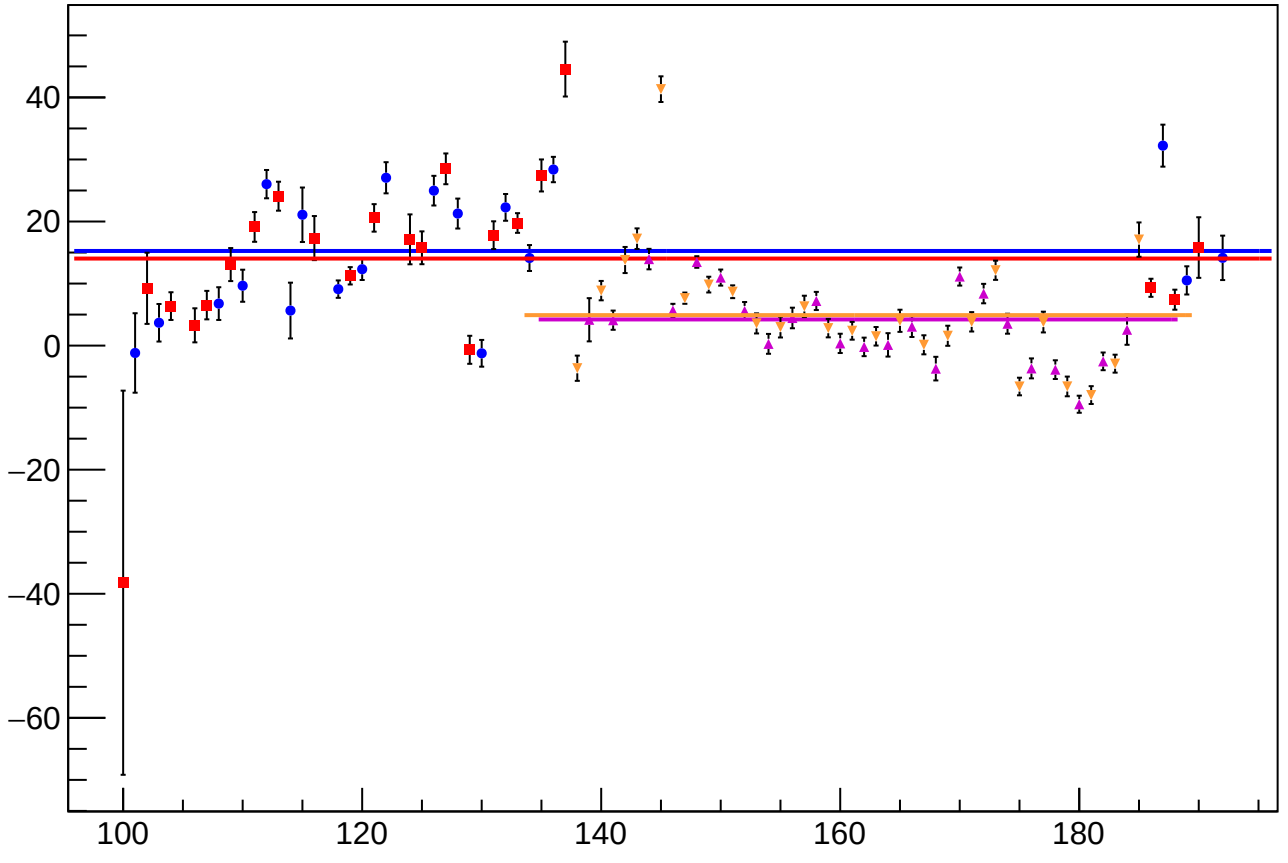
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -63.462+/-0.316 χ^2/NDF: 5910.8/43

All: -65.451+/-0.218 χ^2/NDF: 15090.4/88

- sign -67.254+/-0.301 χ^2/NDF: 9104.2/44

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



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

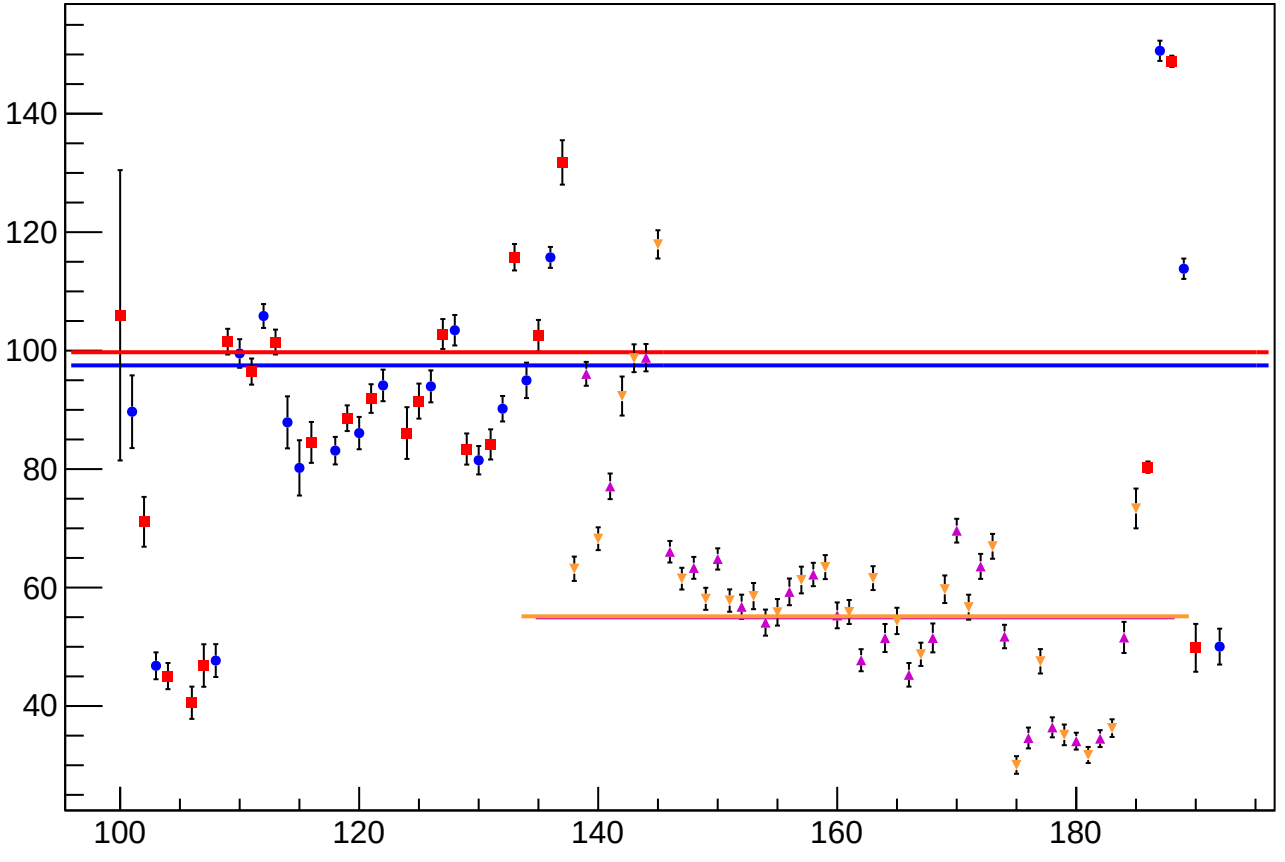
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.308+/-0.264 χ^2/NDF: 1286.7/43

All: 7.165+/-0.187 χ^2/NDF: 2258.3/88

- sign 7.022+/-0.264 χ^2/NDF: 971.1/44

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



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

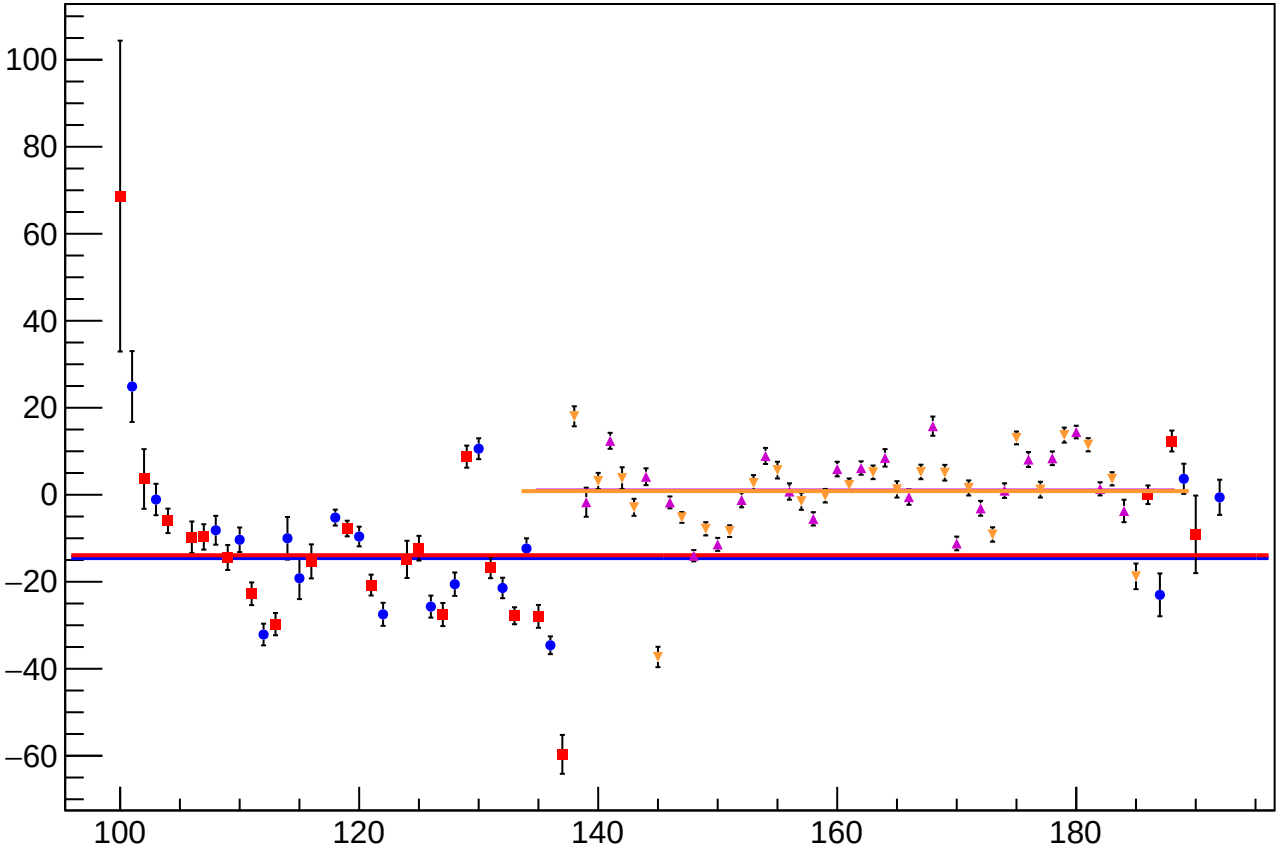
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 69.416+/-0.323 χ^2/NDF: 8470.1/43

All: 72.390+/-0.221 χ^2/NDF: 20733.2/88

- sign 74.980+/-0.302 χ^2/NDF: 12104.7/44

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -14.557+/-0.640 χ^2/NDF: 430.9/18

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

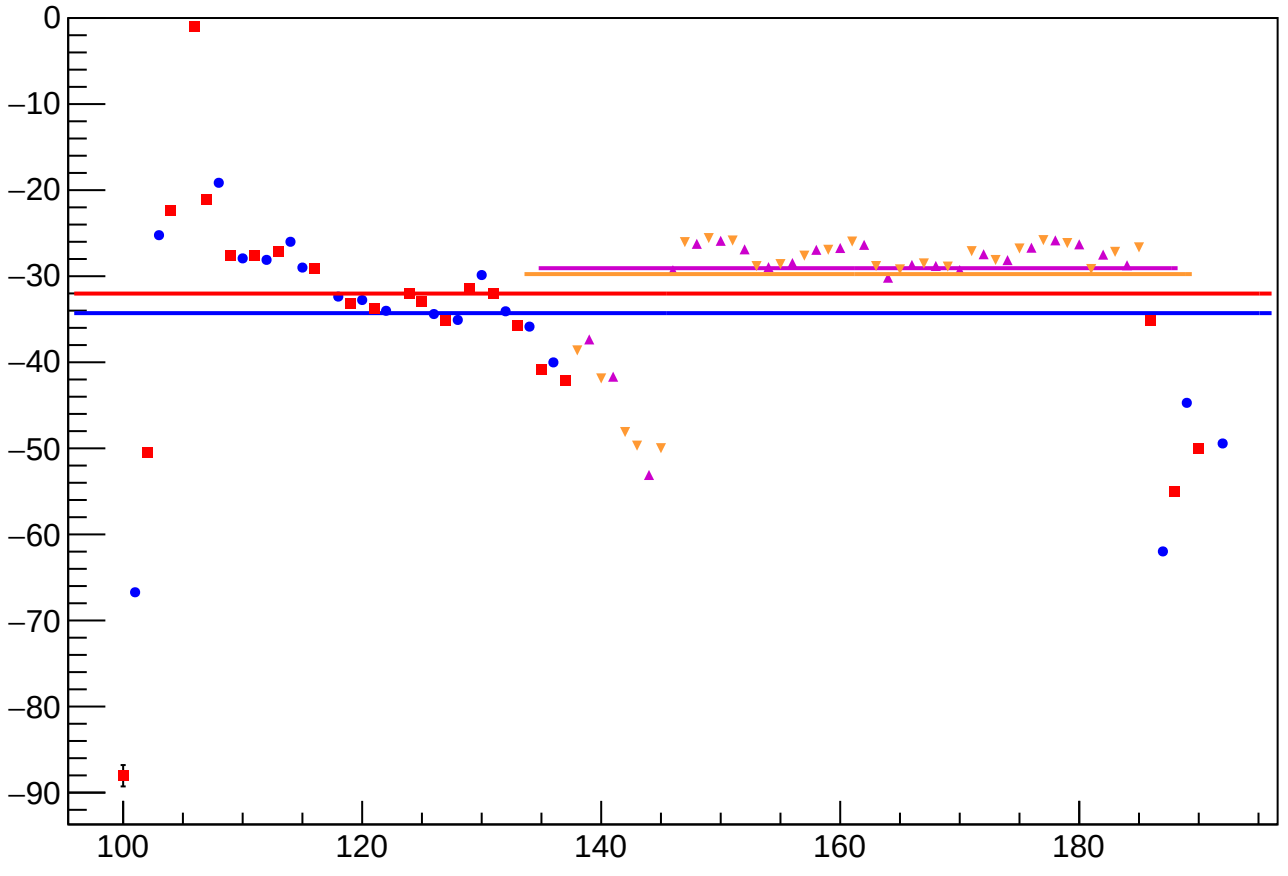
Right Out: -13.904+/-0.596 χ^2/NDF: 546.7/21

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

+ sign -2.596+/-0.302 χ^2/NDF: 1598.2/43

All: -2.744+/-0.214 χ^2/NDF: 3165.6/88

- sign -2.894+/-0.304 χ^2/NDF: 1567.0/44



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

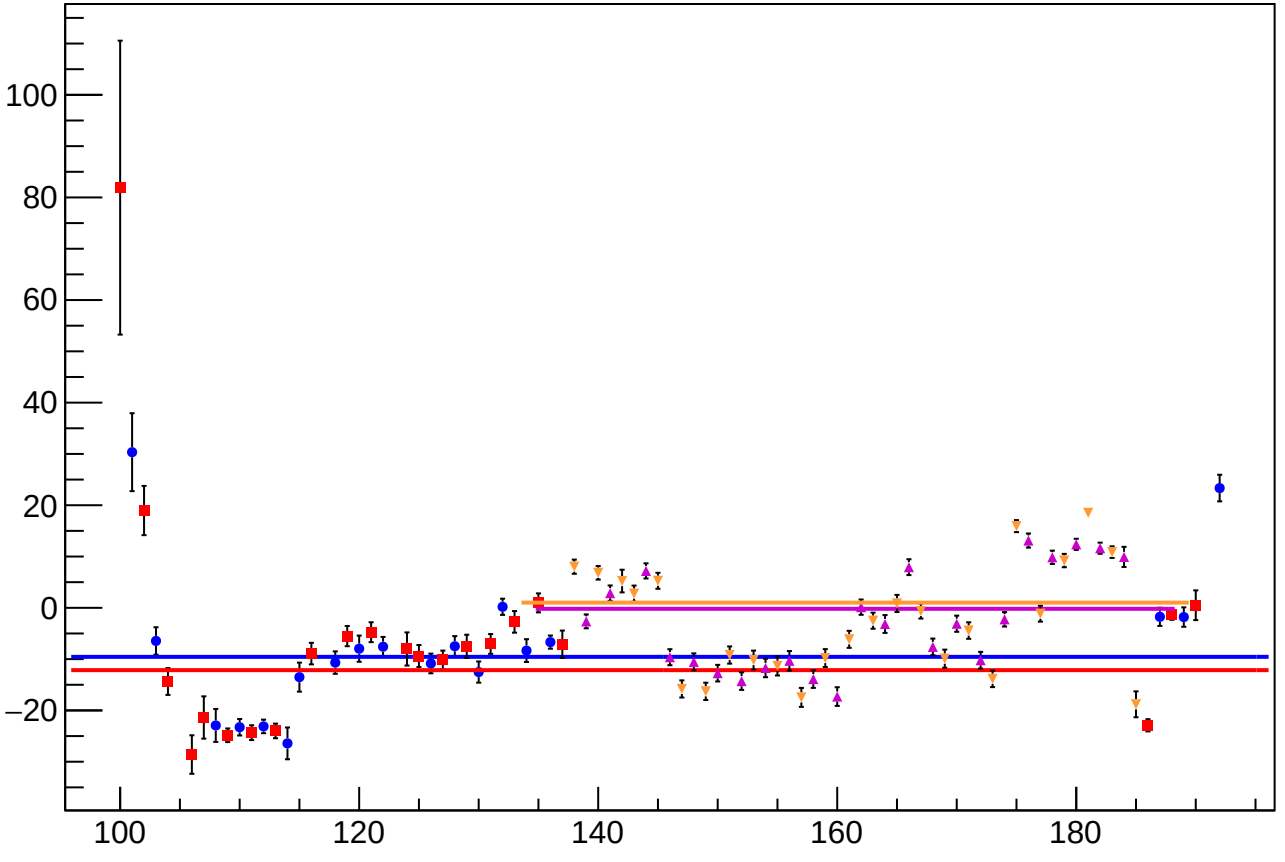
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -30.484+/-0.014 χ^2/NDF: 250012.0/43

All: -30.025+/-0.010 χ^2/NDF: 499241.5/88

- sign -29.557+/-0.014 χ^2/NDF: 247142.4/44

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



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

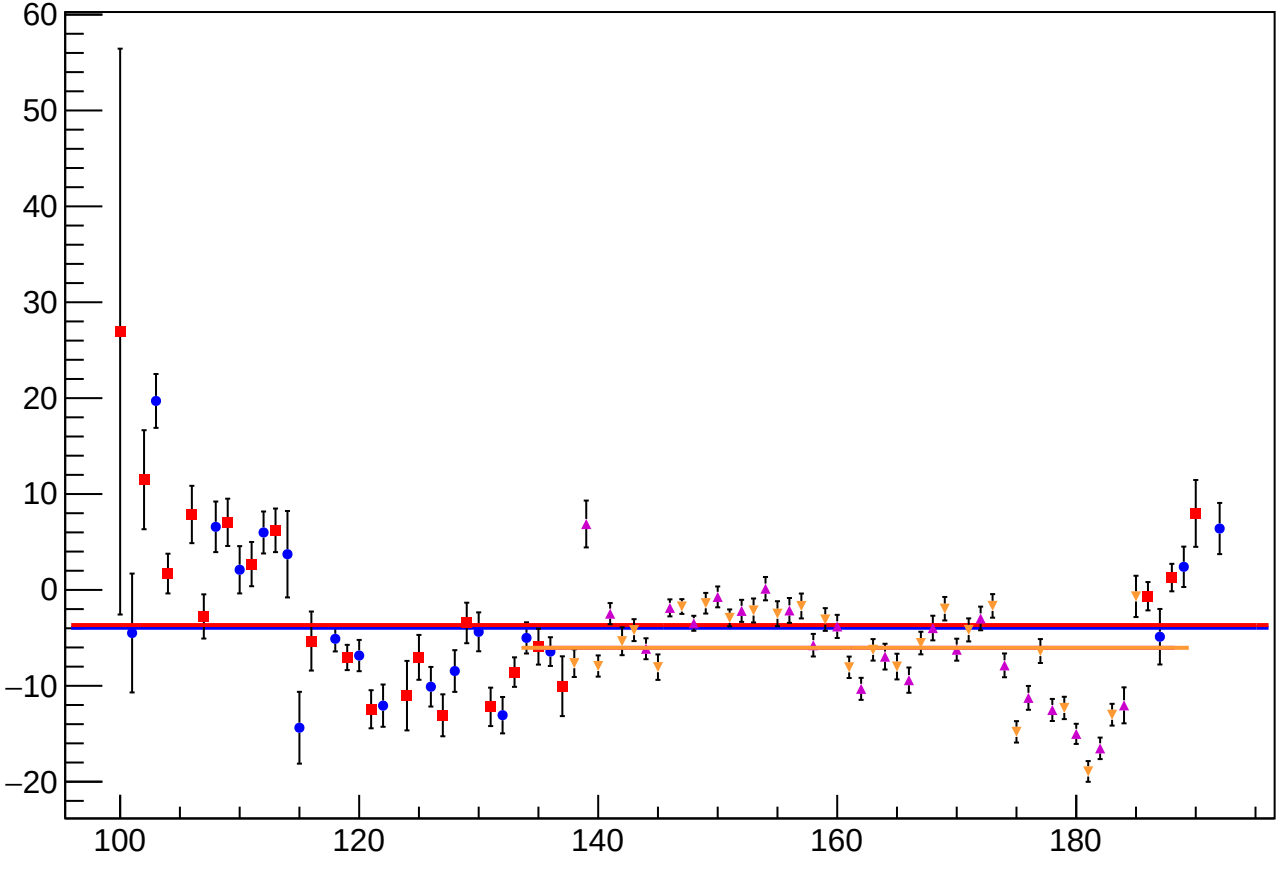
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -2.244+/-0.253 χ^2/NDF: 2207.3/43

All: -3.500+/-0.177 χ^2/NDF: 4423.5/88

- sign -4.705+/-0.248 χ^2/NDF: 2168.1/44

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



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

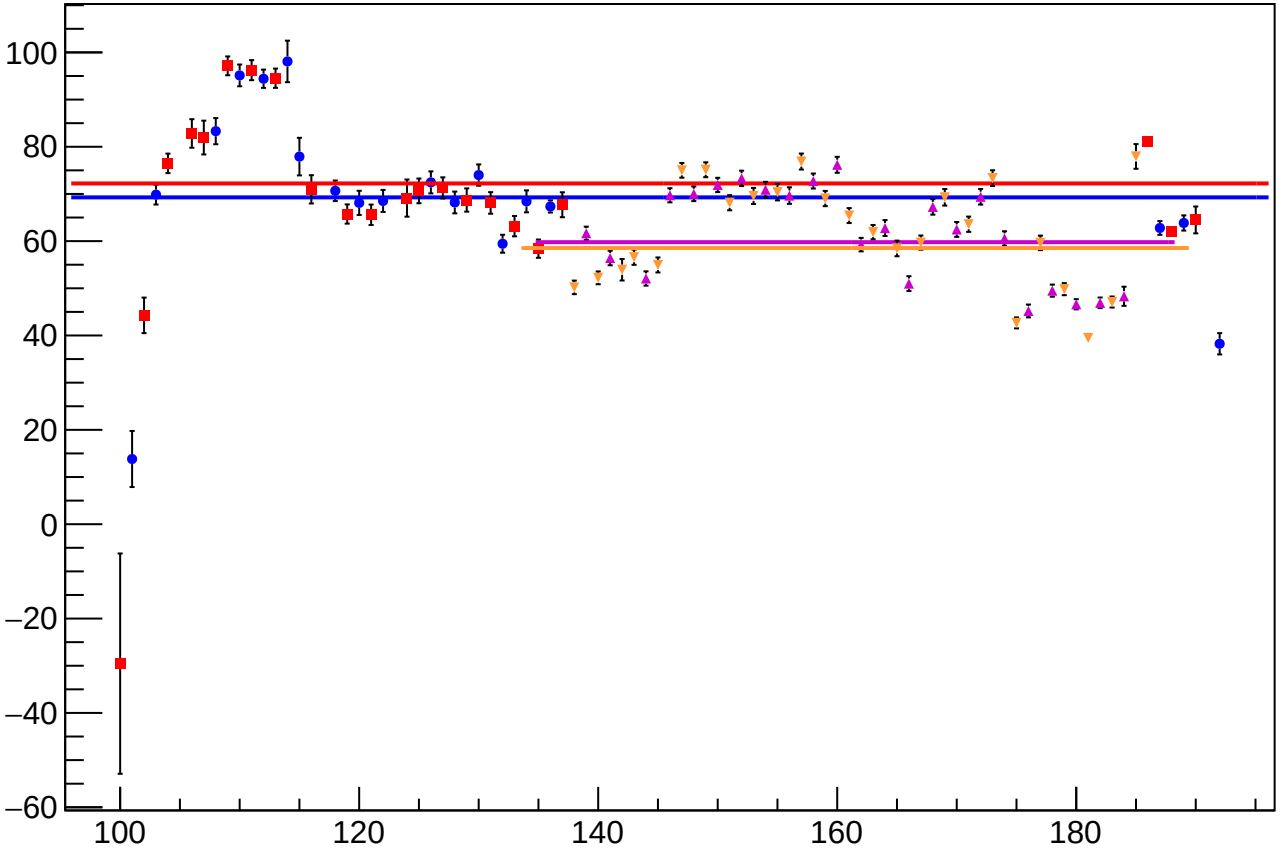
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.644+/-0.210 χ^2/NDF: 635.3/43

All: -5.581+/-0.150 χ^2/NDF: 1242.0/88

- sign -5.516+/-0.214 χ^2/NDF: 606.5/44

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



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

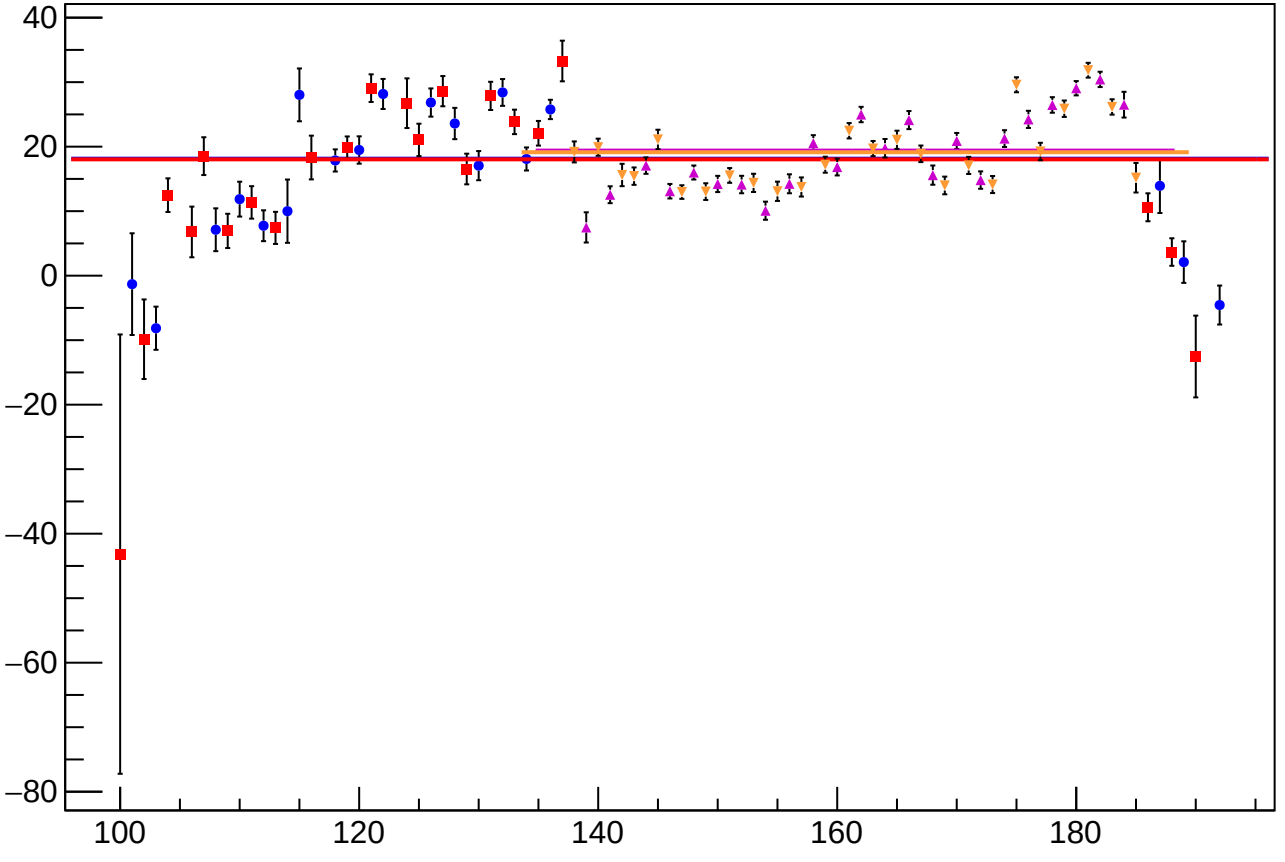
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

\+ sign 61.513+/-0.258 χ^2/NDF: 2509.0/43

All: 62.954+/-0.179 χ^2/NDF: 5062.4/88

\- sign 64.297+/-0.249 χ^2/NDF: 2492.9/44

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



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

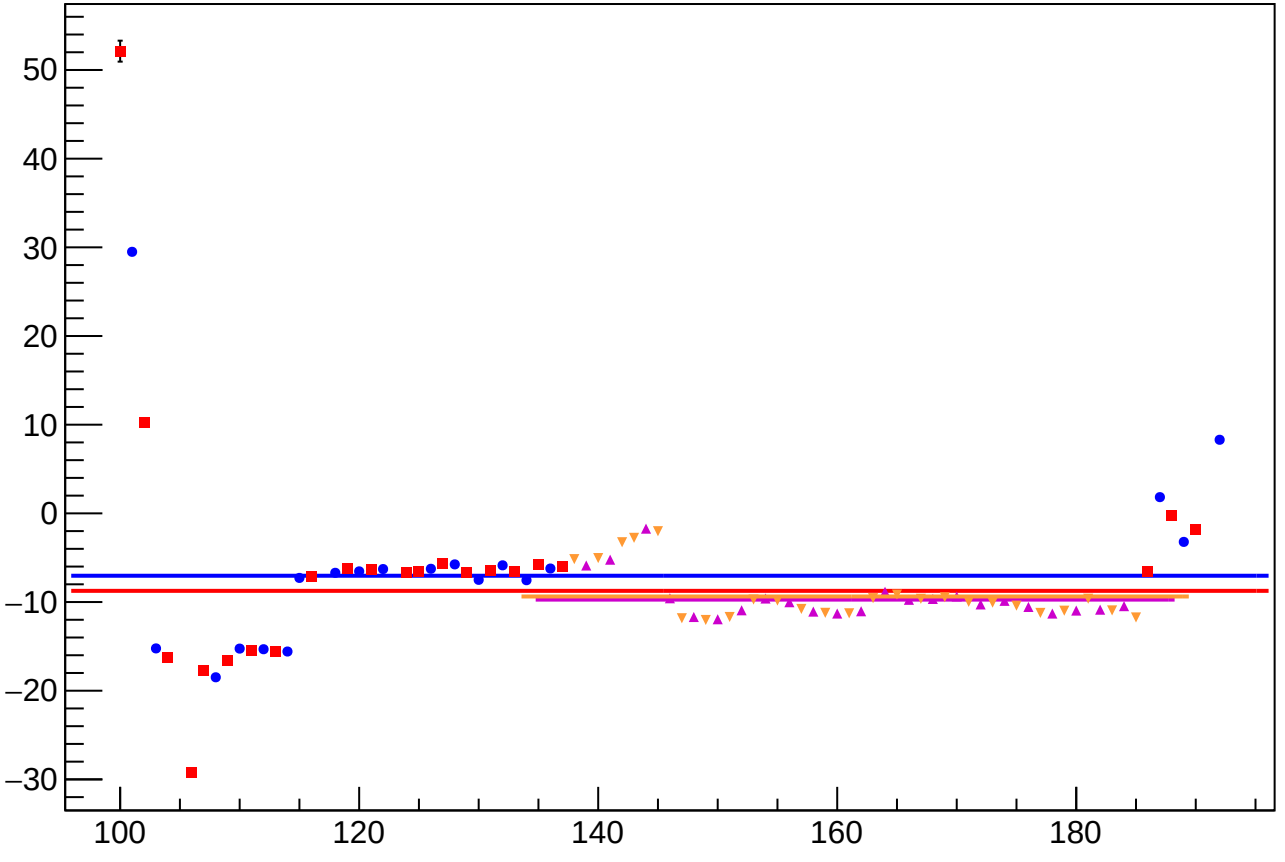
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 18.956+/-0.239 χ^2/NDF: 720.8/43

All: 19.034+/-0.171 χ^2/NDF: 1465.8/88

- sign 19.116+/-0.244 χ^2/NDF: 744.8/44

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



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

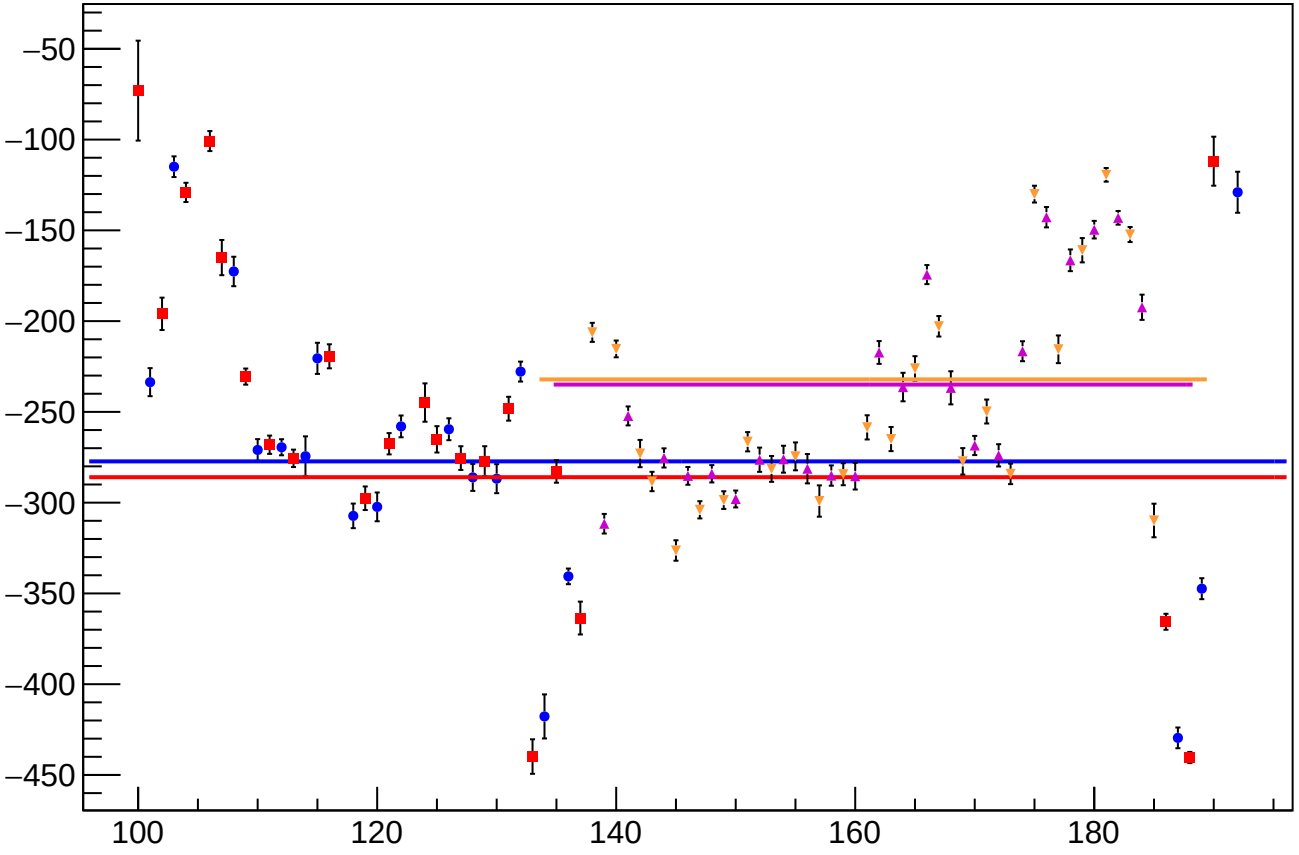
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -9.059+/-0.011 χ^2/NDF: 118787.3/43

All: -9.323+/-0.008 χ^2/NDF: 215401.9/88

- sign -9.600+/-0.011 χ^2/NDF: 95442.7/44

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



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

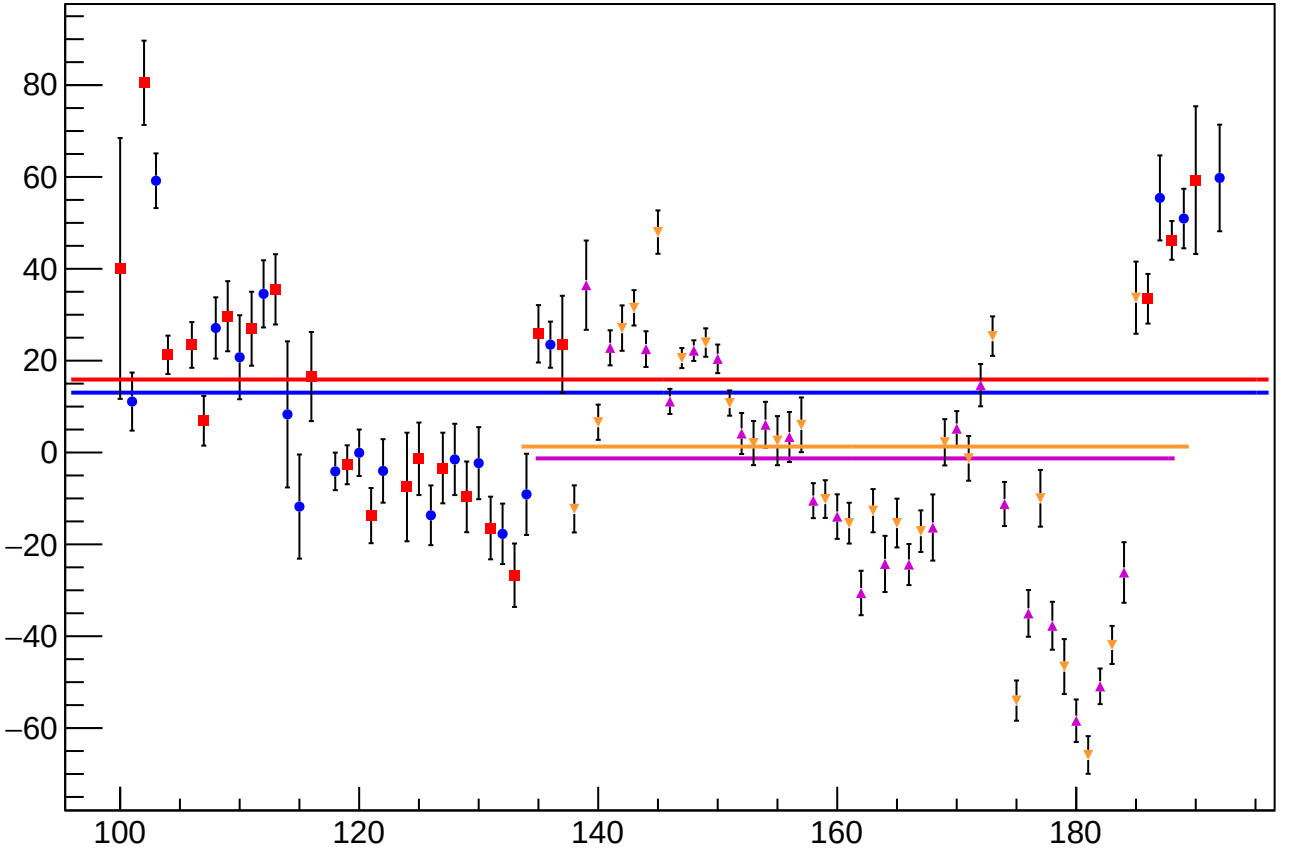
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -248.874+/-0.906 χ^2/NDF: 6418.2/43

All: -253.726+/-0.627 χ^2/NDF: 15839.2/88

- sign -258.175+/-0.868 χ^2/NDF: 9366.0/44

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



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

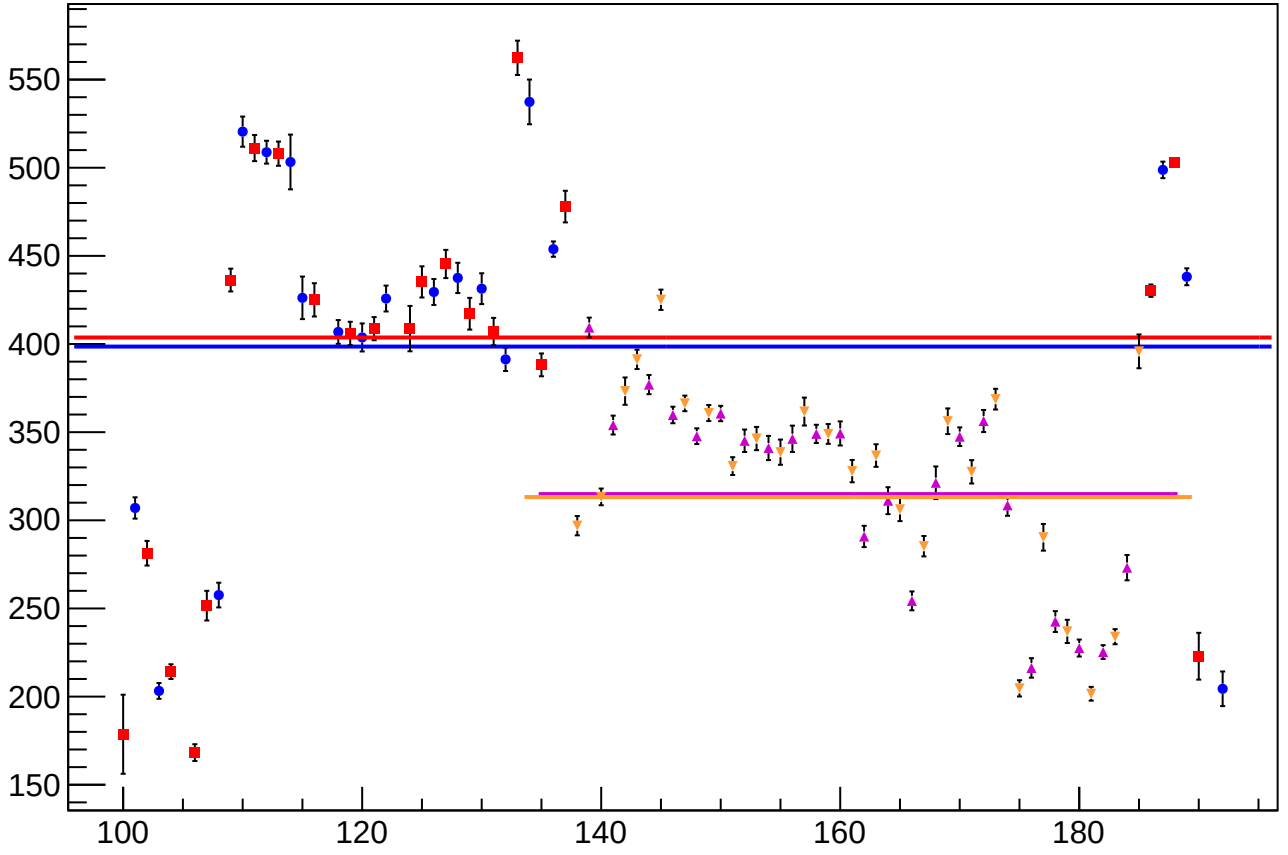
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

+ sign 3.929+/-0.737 χ^2/NDF: 1330.9/43

All: 3.733+/-0.521 χ^2/NDF: 2523.1/88

- sign 3.538+/-0.737 χ^2/NDF: 1192.0/44

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



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

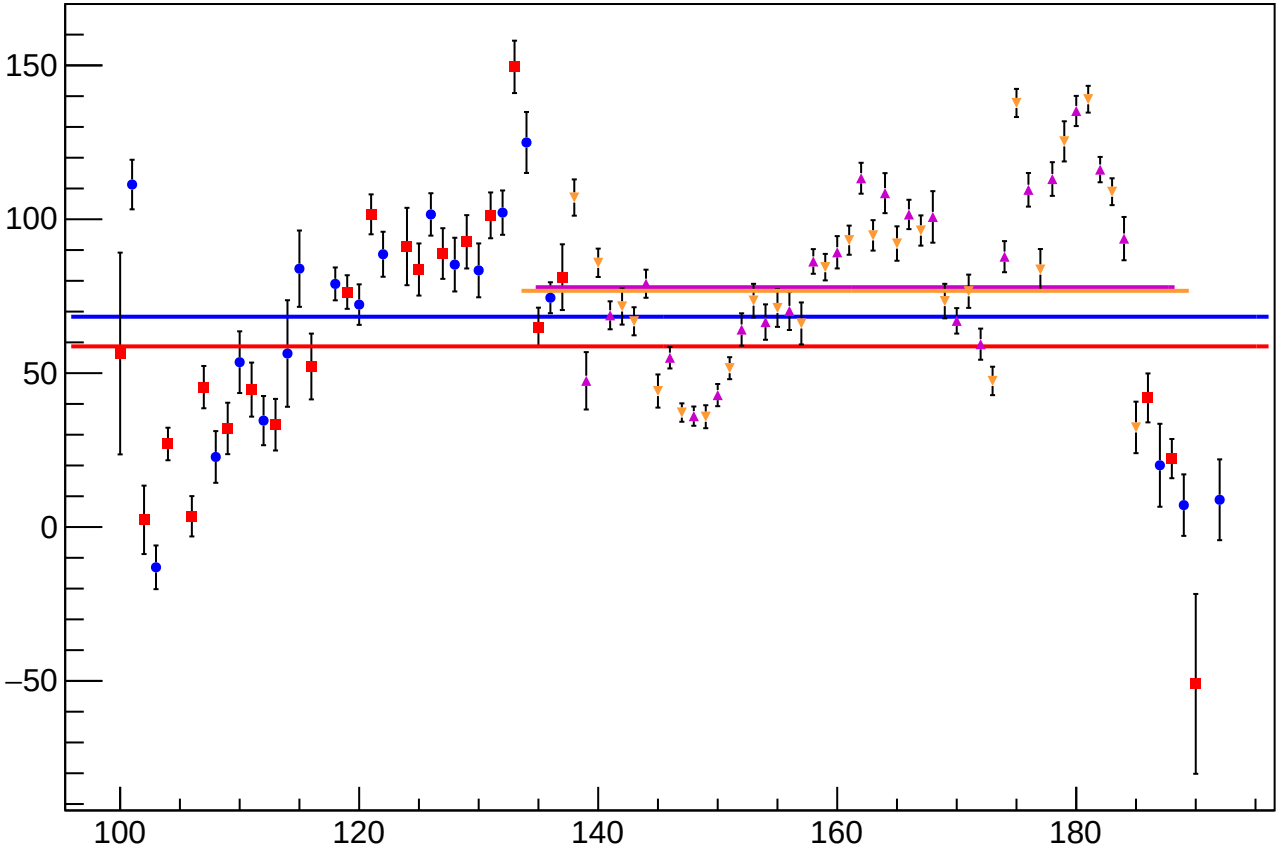
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 343.532+/-0.910 χ^2/NDF: 9493.5/43

All: 349.807+/-0.624 χ^2/NDF: 22643.8/88

- sign 355.362+/-0.857 χ^2/NDF: 13060.8/44

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



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

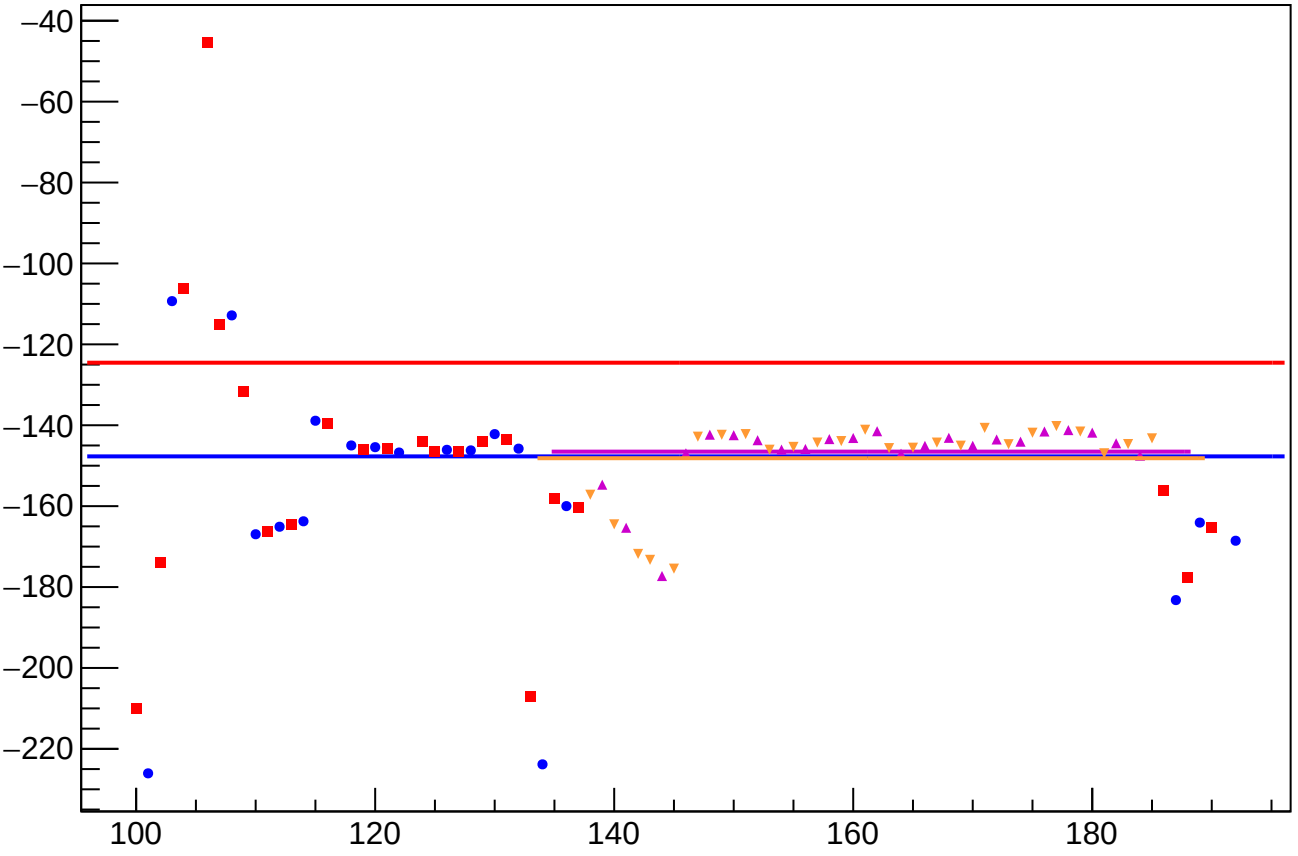
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 74.918+/-0.855 χ^2/NDF: 1432.5/43

All: 73.933+/-0.605 χ^2/NDF: 2775.7/88

- sign 72.941+/-0.858 χ^2/NDF: 1340.5/44

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



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

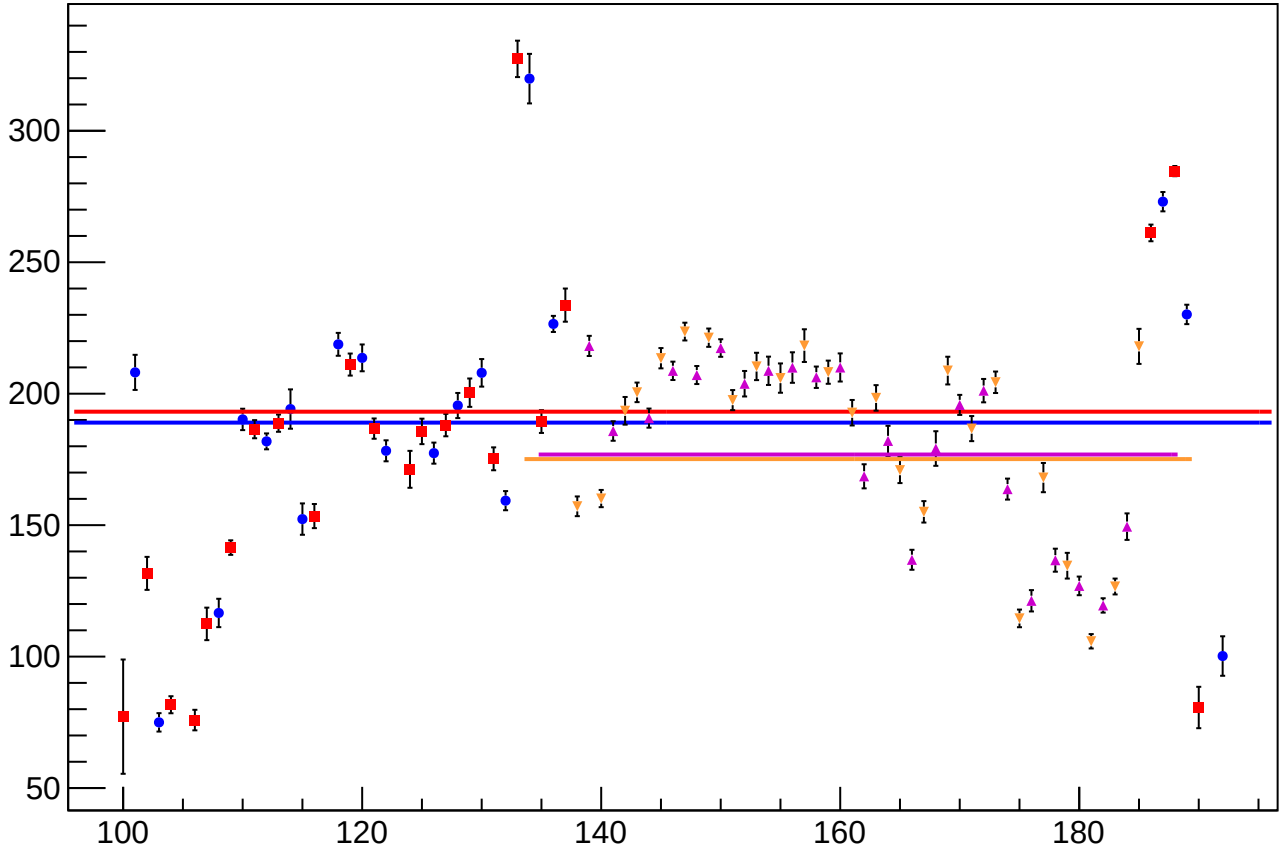
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -148.062+/-0.041 χ^2/NDF: 187489.8/43

All: -144.800+/-0.029 χ^2/NDF: 582751.0/88

- sign -141.609+/-0.040 χ^2/NDF: 382480.4/44

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



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

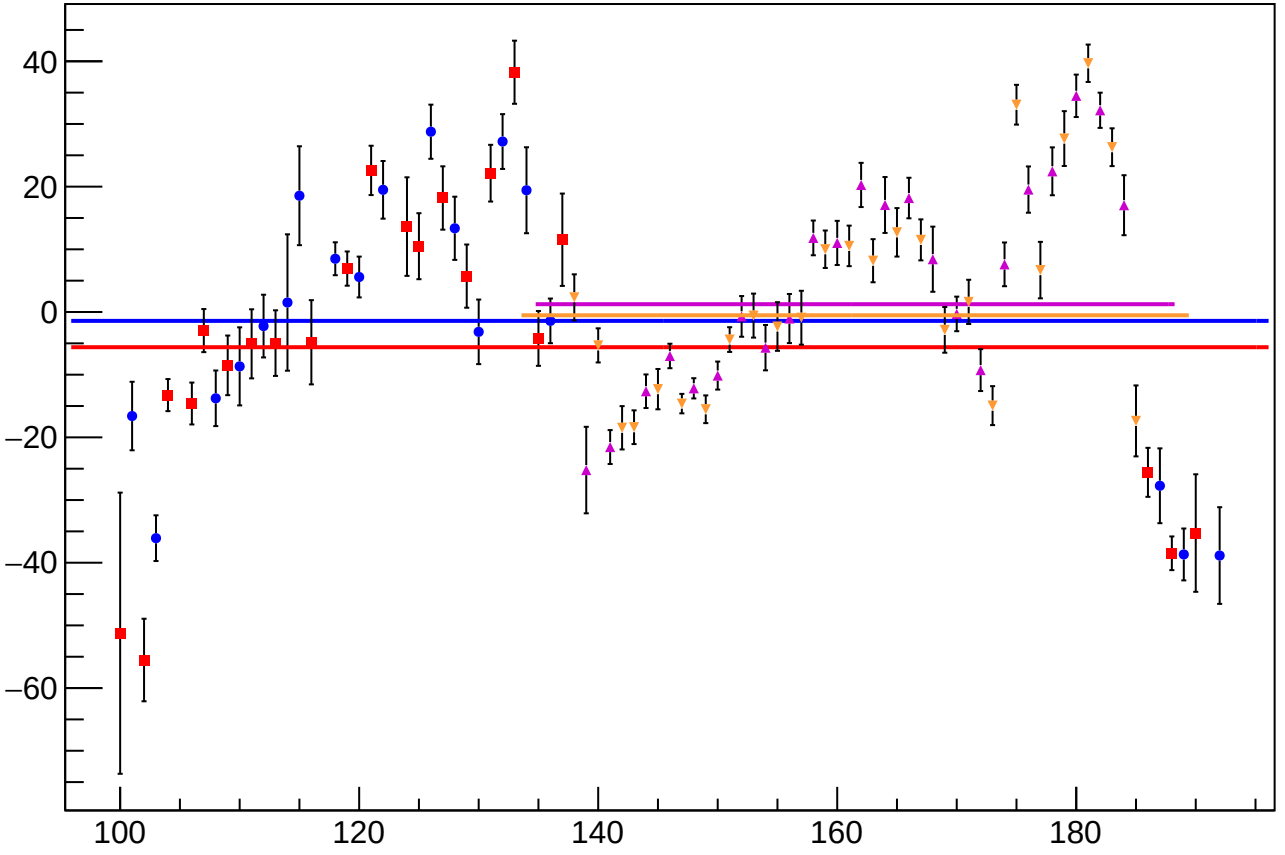
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 180.750+/-0.634 χ^2/NDF: 4999.7/43

All: 182.976+/-0.436 χ^2/NDF: 13146.5/88

- sign 184.973+/-0.600 χ^2/NDF: 8123.4/44

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



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

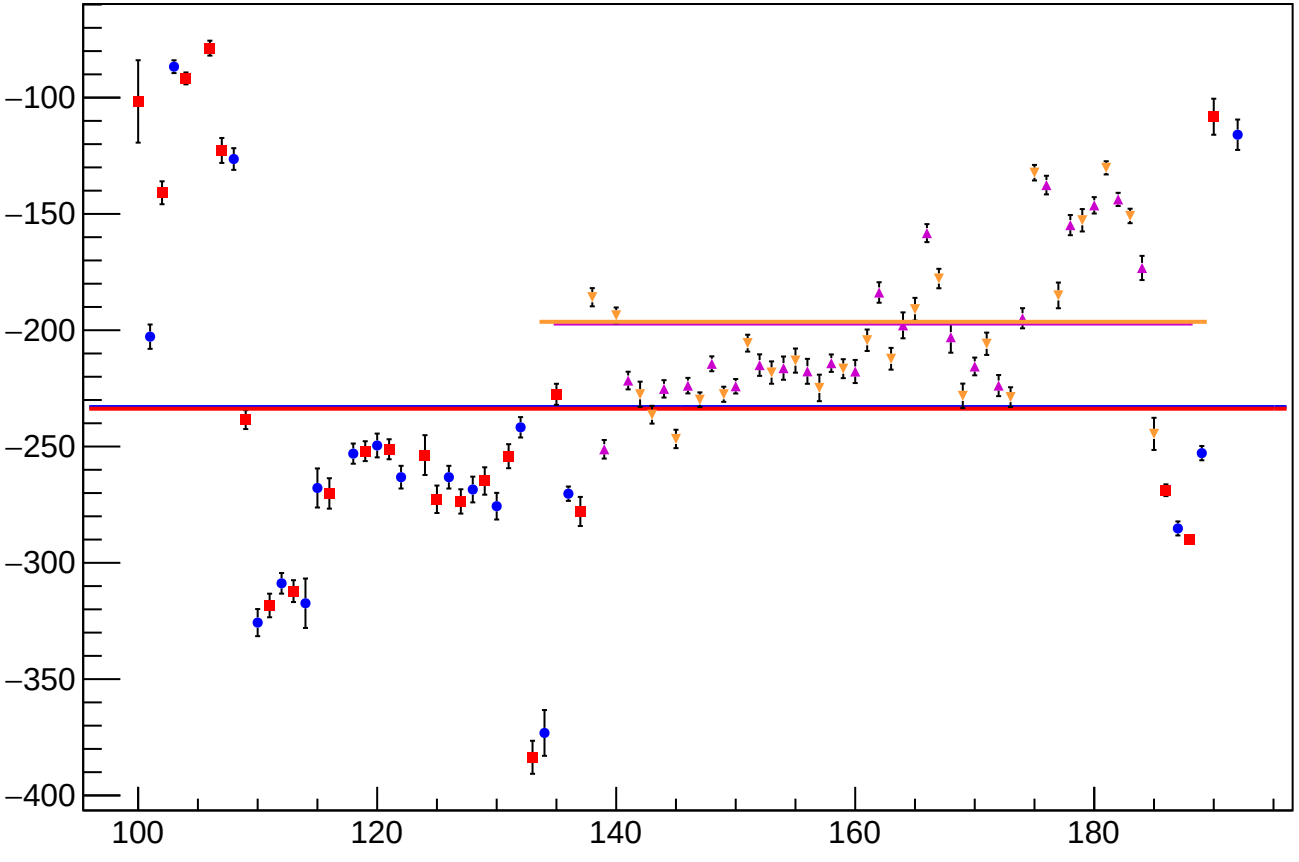
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -0.747+/-0.520 χ^2/NDF: 1111.9/43

All: -0.843+/-0.367 χ^2/NDF: 2269.4/88

- sign -0.937+/-0.517 χ^2/NDF: 1157.5/44

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



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

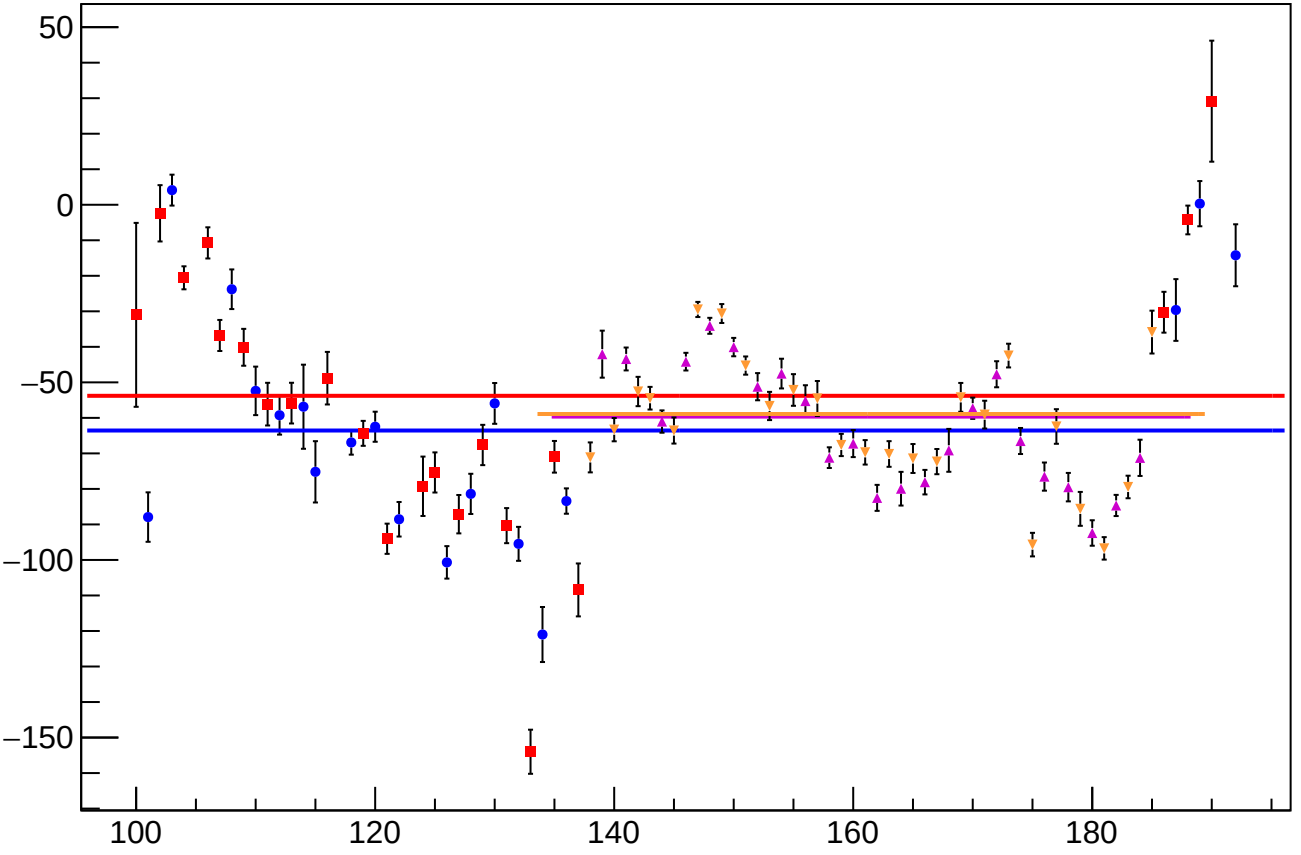
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -210.698+/-0.637 χ^2/NDF: 8022.8/43

All: -213.262+/-0.433 χ^2/NDF: 19903.2/88

- sign -215.472+/-0.591 χ^2/NDF: 11850.2/44

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



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

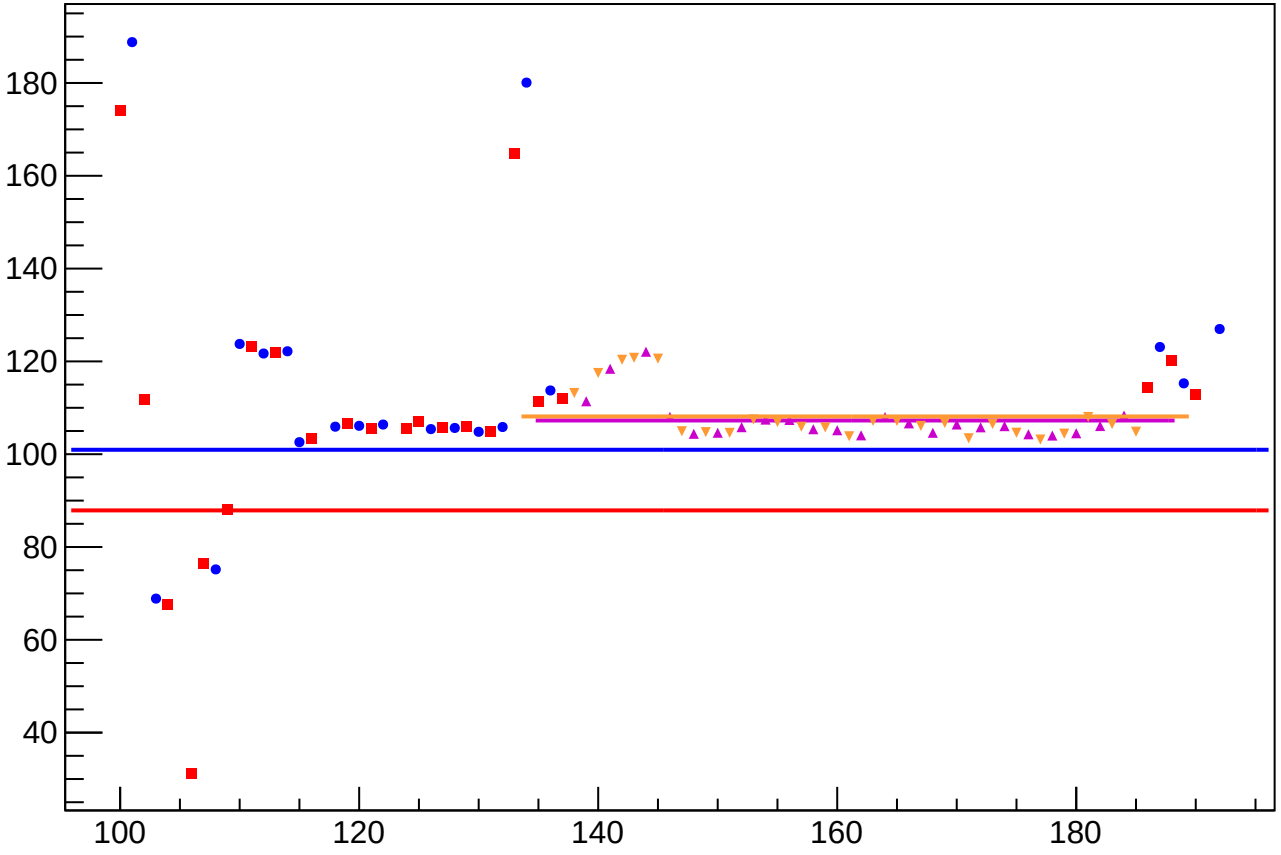
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

\+ sign -60.037+/-0.605 χ^2/NDF: 1487.0/43

All: -58.974+/-0.427 χ^2/NDF: 3117.5/88

\- sign -57.916+/-0.603 χ^2/NDF: 1624.3/44

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 100.955+/-0.062 χ^2/NDF: 243138.6/18

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

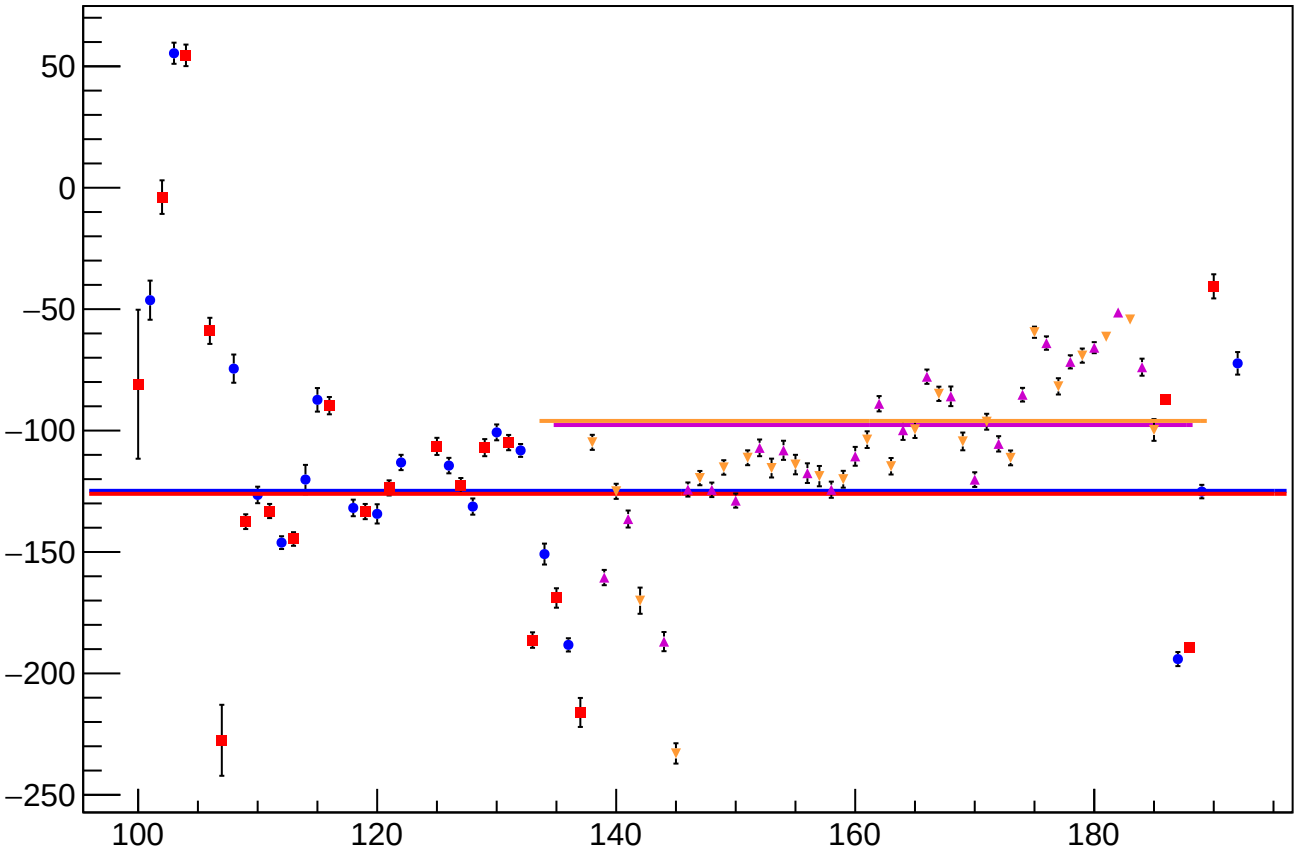
Right Out: 87.888+/-0.058 χ^2/NDF: 300214.2/21

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 106.604+/-0.029 χ^2/NDF: 280004.8/43

All: 104.534+/-0.020 χ^2/NDF: 692937.9/88

- sign 102.503+/-0.029 χ^2/NDF: 402691.1/44



Right In: -124.816+/-0.802 χ^2/NDF: 3416.9/18

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

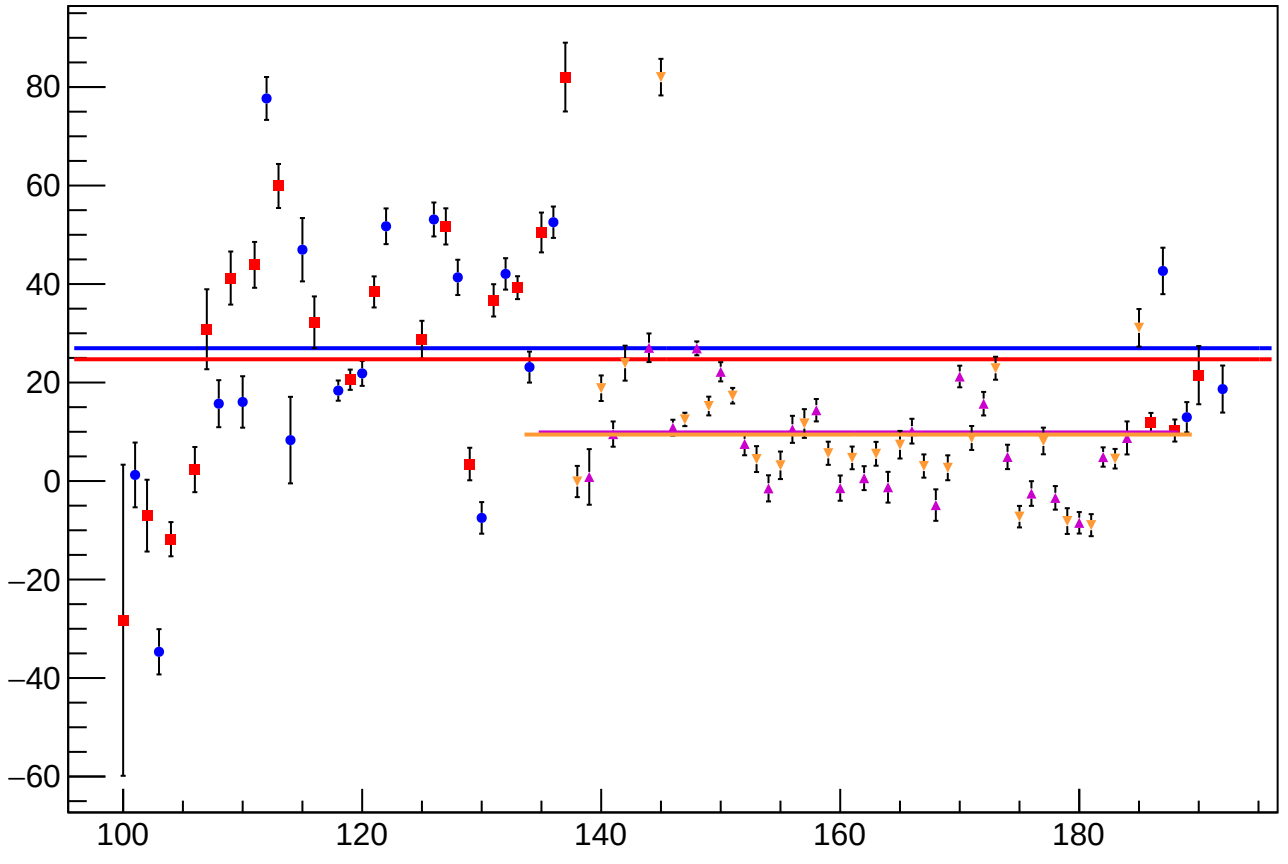
Right Out: -126.041+/-0.692 χ^2/NDF: 5509.7/20

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

\+ sign -107.123+/-0.498 χ^2/NDF: 6980.5/42

All: -109.040+/-0.341 χ^2/NDF: 16064.4/86

\- sign -110.744+/-0.469 χ^2/NDF: 9055.9/43



Right In: 26.971+/-0.827 χ^2/NDF: 735.5/18

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

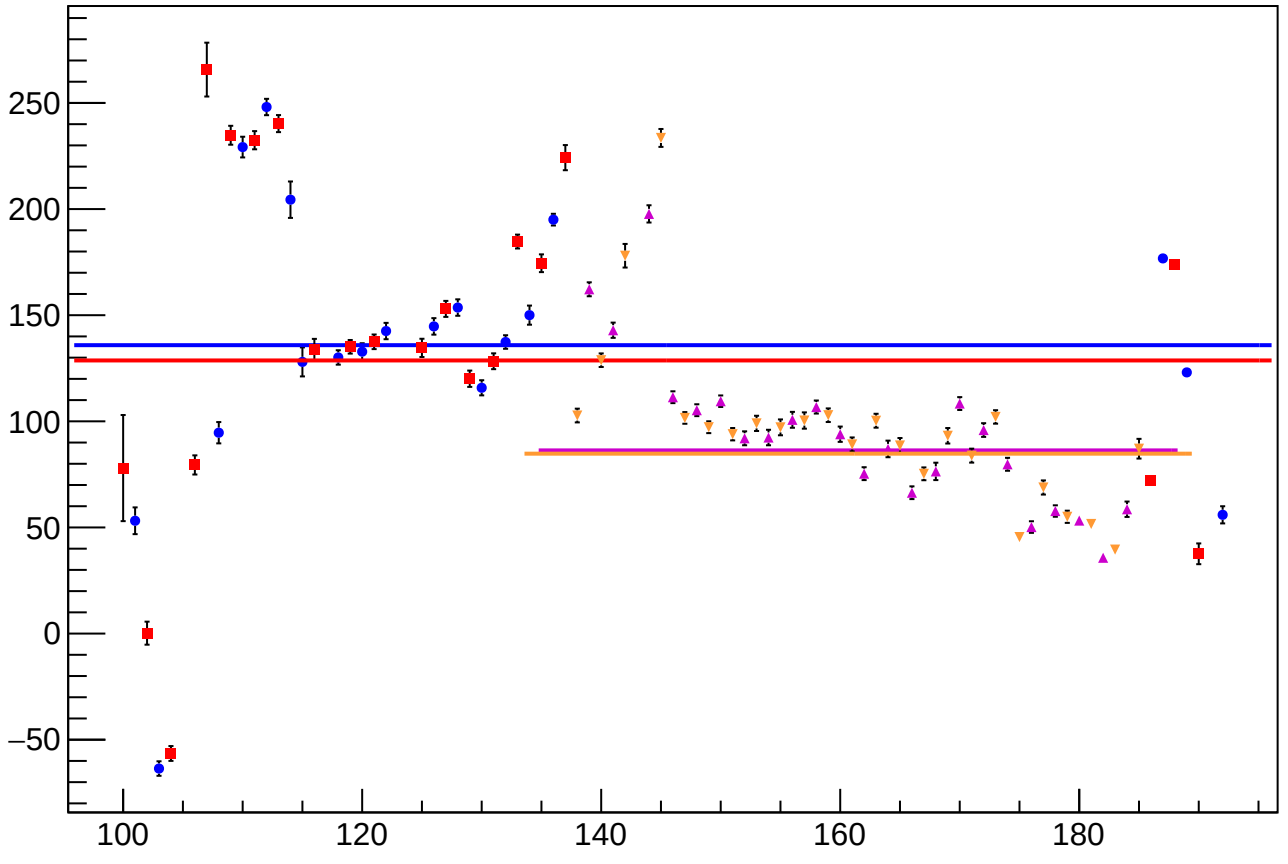
Right Out: 24.724+/-0.760 χ^2/NDF: 609.3/20

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

\+ sign 13.829+/-0.414 χ^2/NDF: 1808.8/42

All: 14.010+/-0.291 χ^2/NDF: 3175.3/86

\- sign 14.188+/-0.410 χ^2/NDF: 1366.0/43



Right In: 135.879+/-0.839 χ^2/NDF: 6179.1/18

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

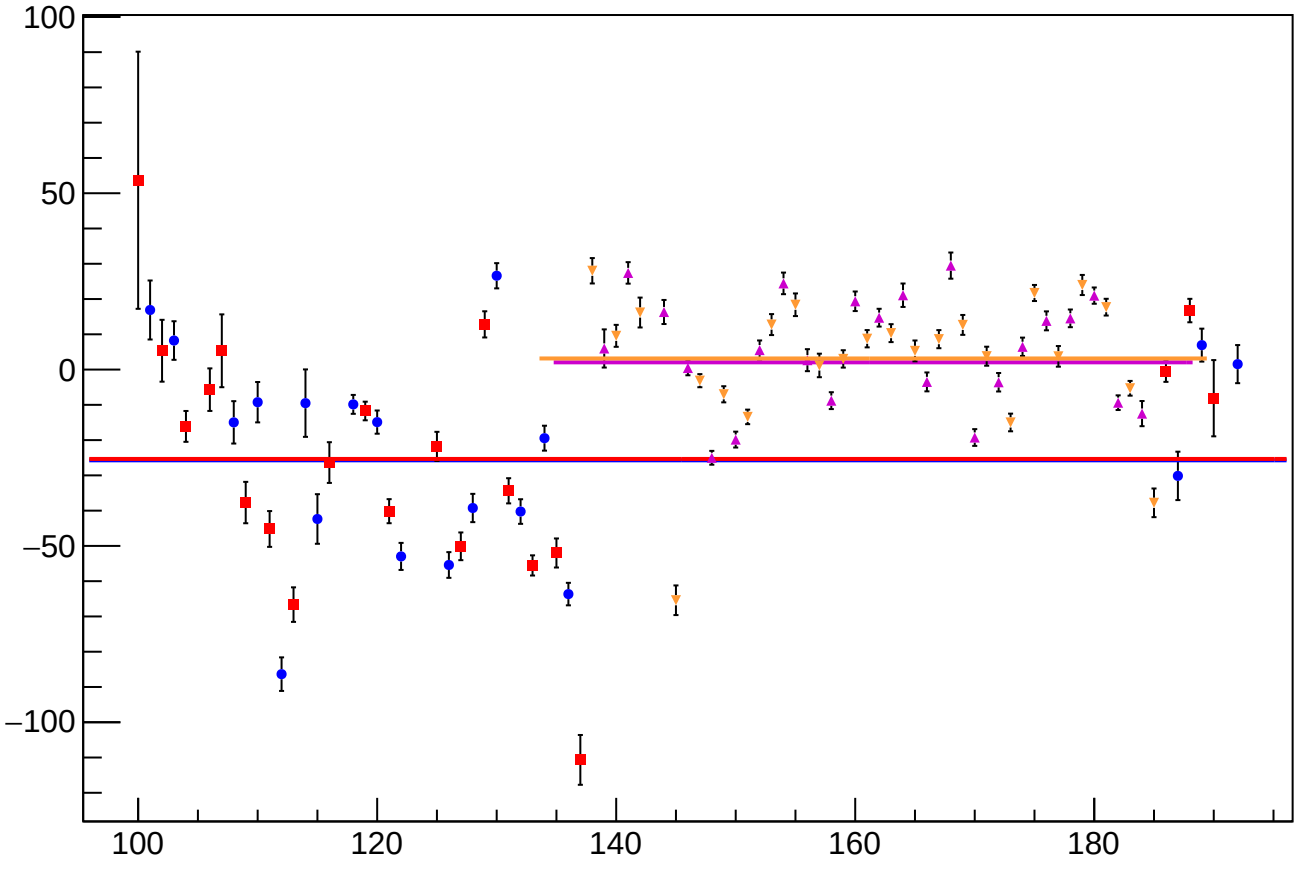
Right Out: 128.681+/-0.674 χ^2/NDF: 9626.8/20

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 103.160+/-0.503 χ^2/NDF: 11666.2/42

All: 104.770+/-0.340 χ^2/NDF: 26568.6/86

\- sign 106.119+/-0.461 χ^2/NDF: 14883.7/43



Right In: -25.731+/-0.972 χ^2/NDF: 871.8/18

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

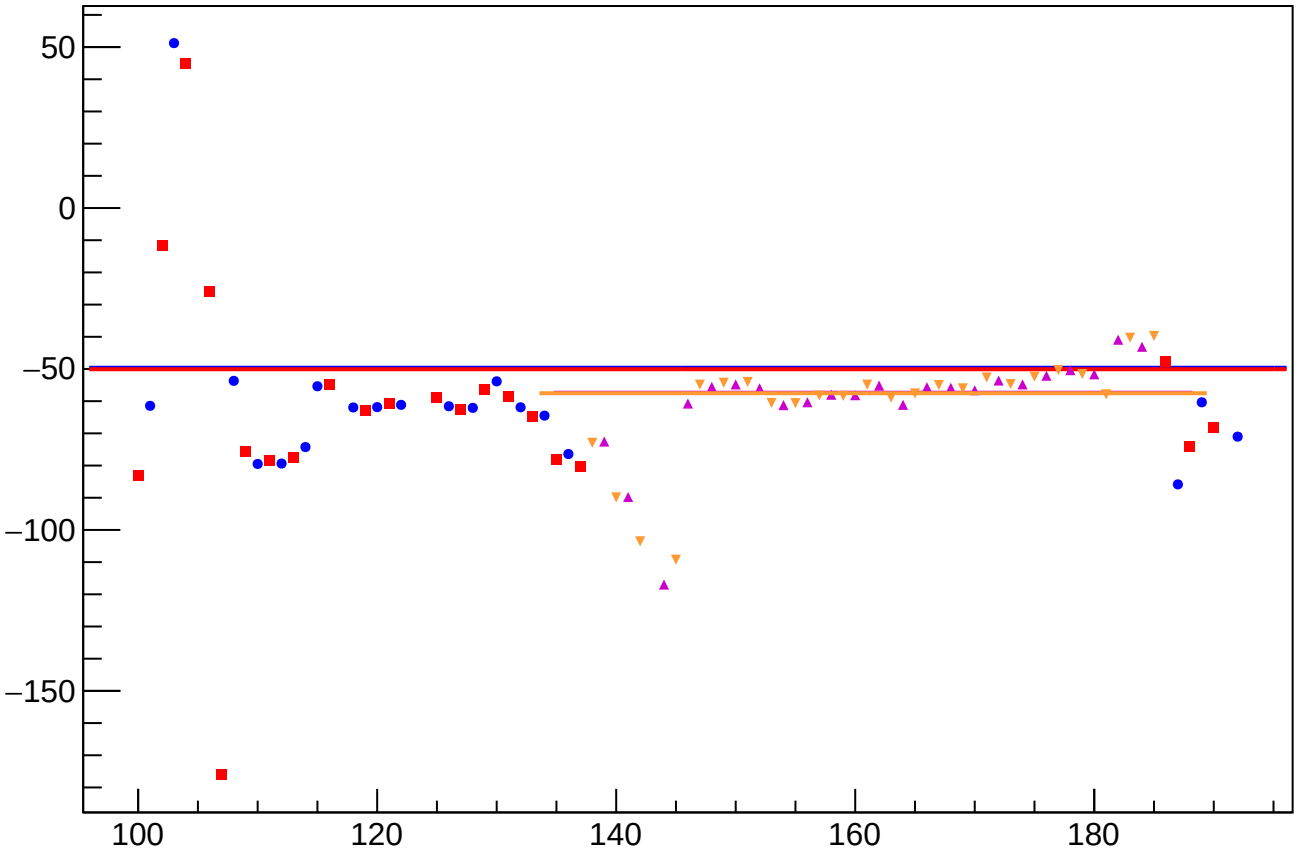
Right Out: -25.341+/-0.929 χ^2/NDF: 860.9/20

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

+ sign -3.732+/-0.475 χ^2/NDF: 2358.1/42

All: -4.406+/-0.335 χ^2/NDF: 4716.9/86

- sign -5.078+/-0.474 χ^2/NDF: 2354.8/43



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

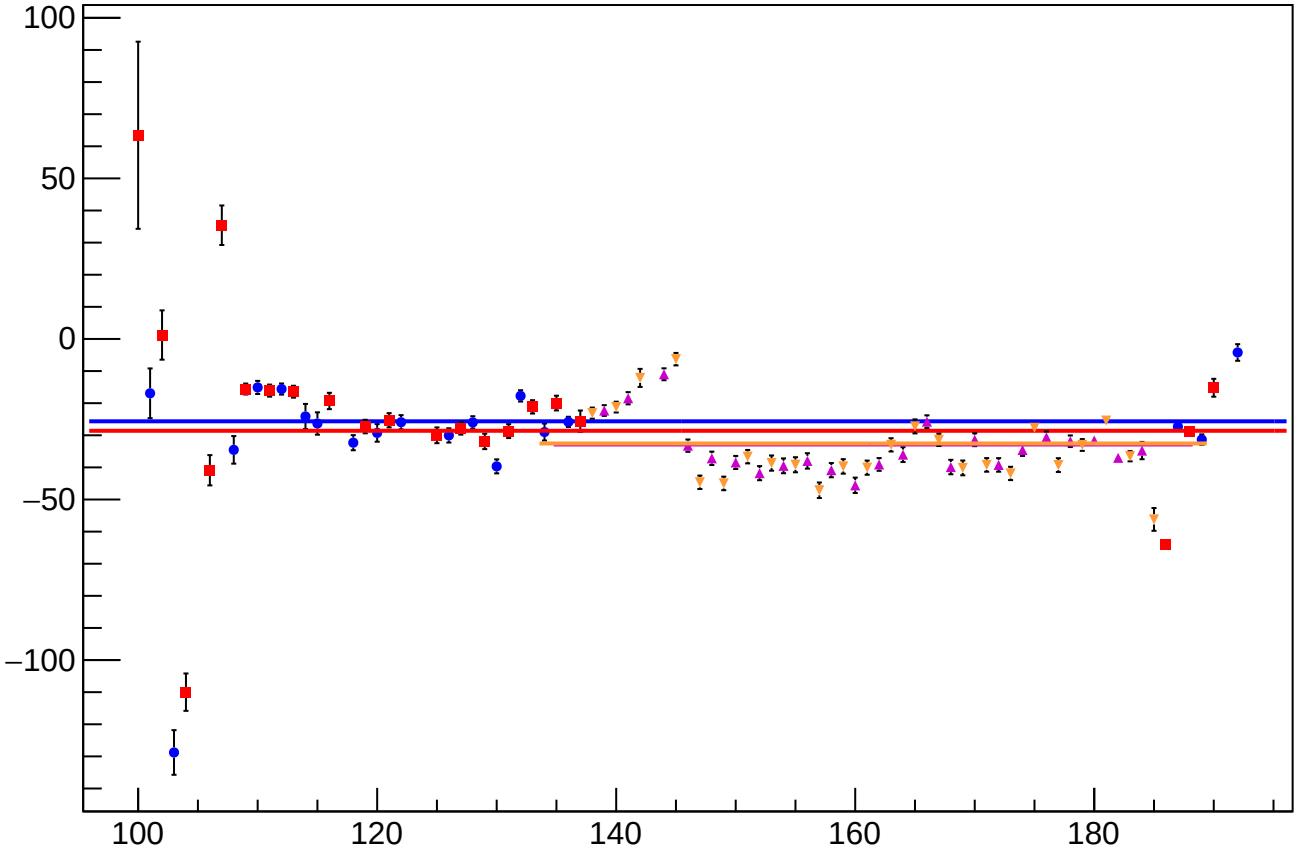
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -56.158+/-0.023 χ^2/NDF: 893131.0/42

All: -56.165+/-0.016 χ^2/NDF: 1656213.0/86

- sign -56.172+/-0.023 χ^2/NDF: 763081.9/43

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -25.647+/-0.507 χ^2/NDF: 445.2/18

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

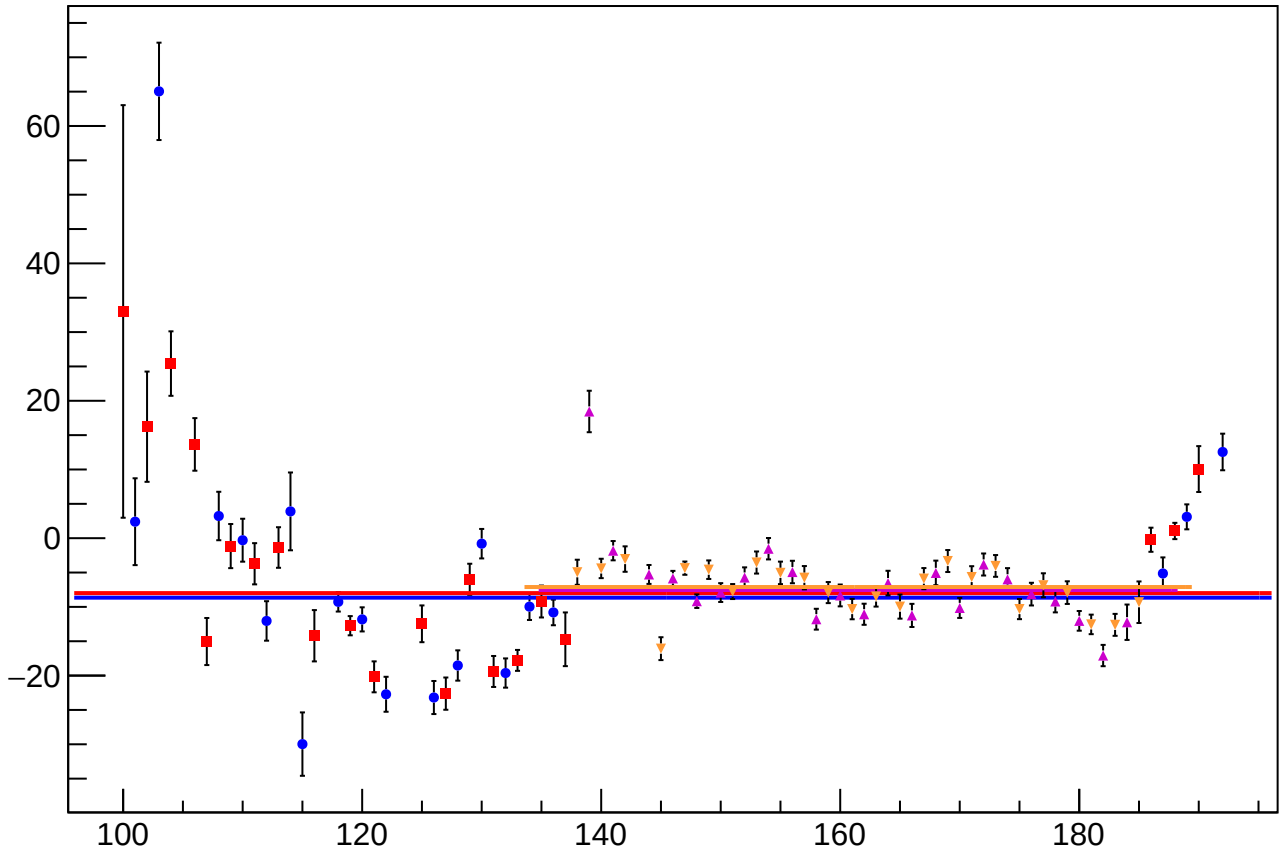
Right Out: -28.596+/-0.448 χ^2/NDF: 1173.1/20

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

+ sign -29.849+/-0.317 χ^2/NDF: 1161.6/42

All: -30.406+/-0.219 χ^2/NDF: 2763.1/86

- sign -30.915+/-0.303 χ^2/NDF: 1595.6/43



Right In: -8.655+/-0.542 χ^2/NDF: 397.3/18

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

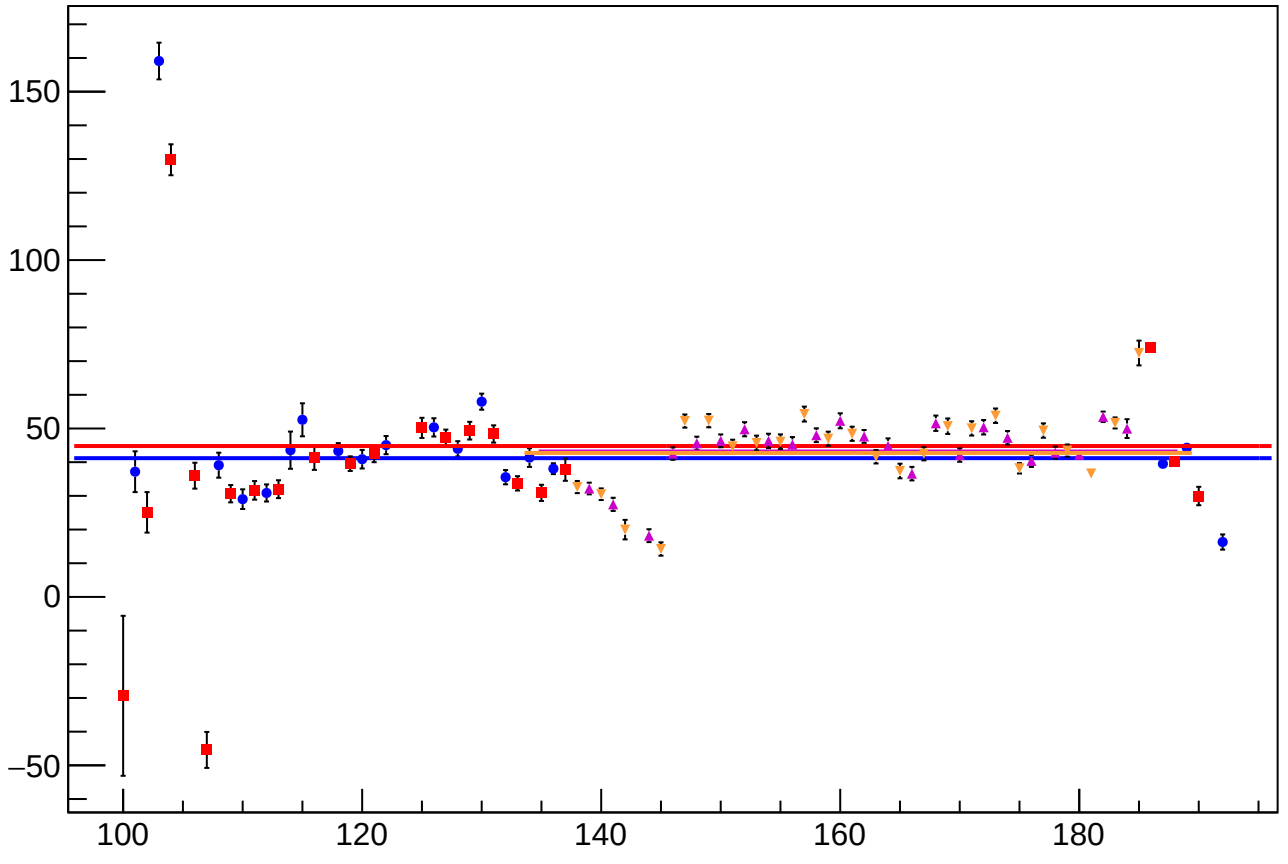
Right Out: -7.993+/-0.510 χ^2/NDF: 372.7/20

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -7.489+/-0.269 χ^2/NDF: 512.9/42

All: -7.580+/-0.190 χ^2/NDF: 1086.1/86

- sign -7.670+/-0.268 χ^2/NDF: 573.0/43



Right In: 41.191+/-0.524 χ^2/NDF: 714.4/18

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

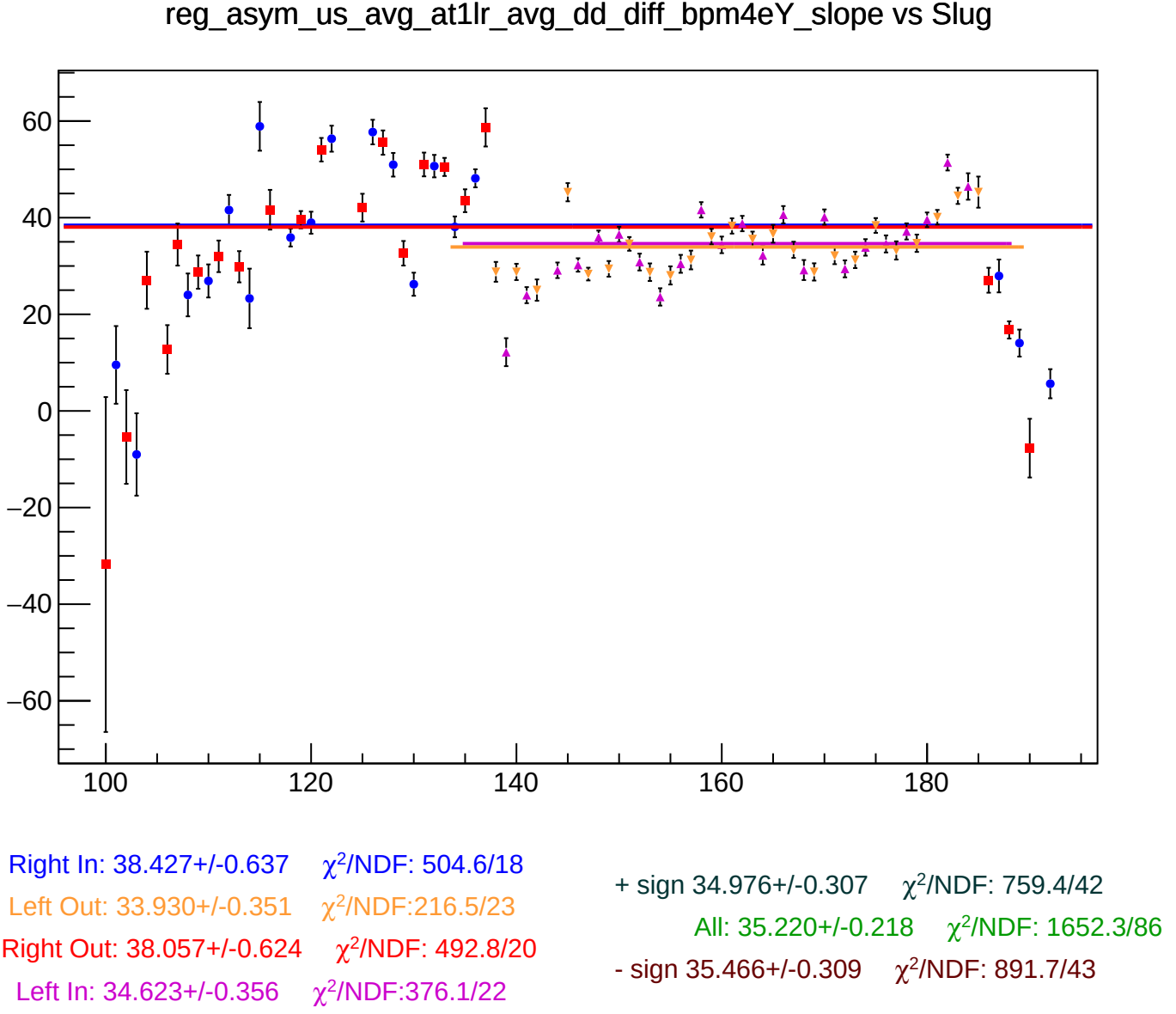
Right Out: 44.791+/-0.438 χ^2/NDF: 1560.9/20

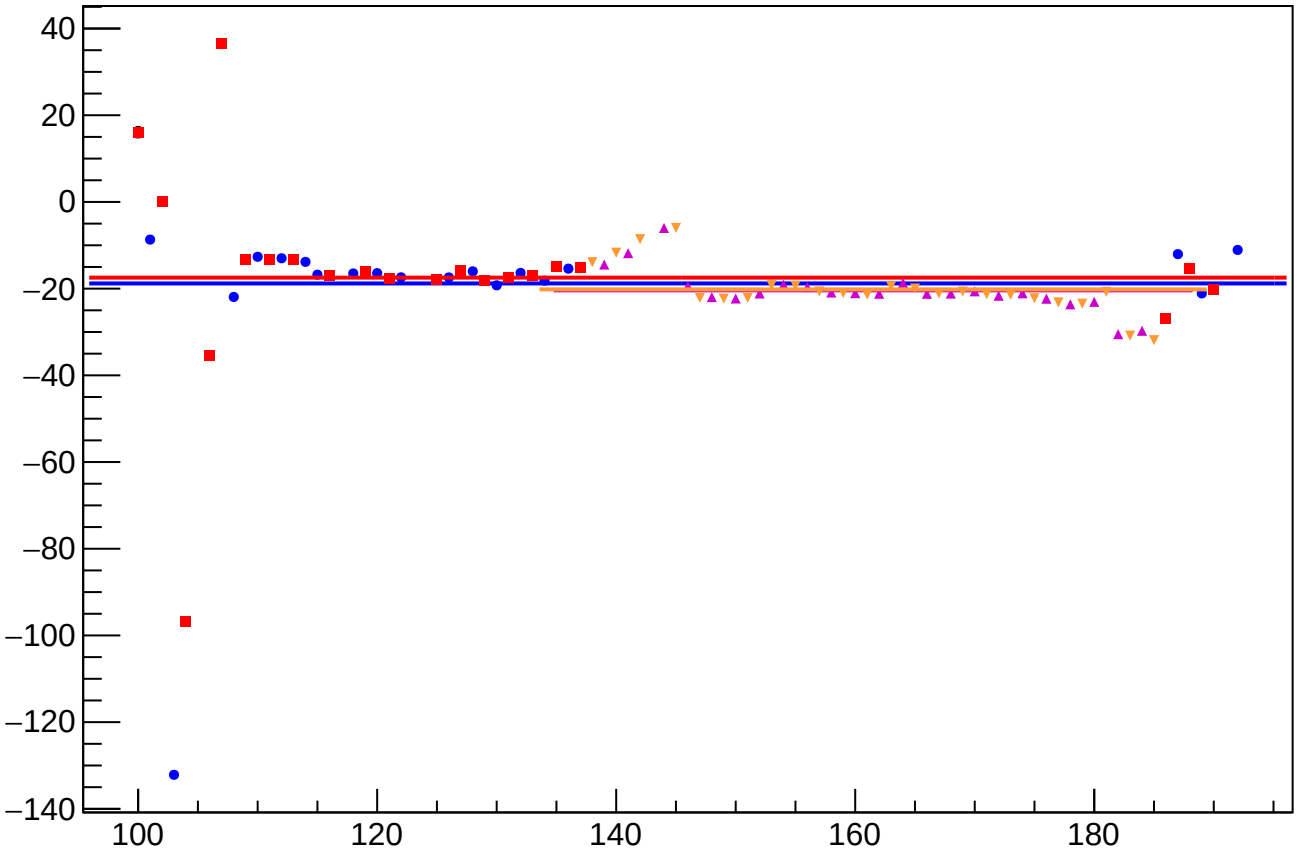
Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

\+ sign 42.167+/-0.320 χ^2/NDF: 1351.5/42

All: 43.104+/-0.218 χ^2/NDF: 3348.8/86

\- sign 43.920+/-0.298 χ^2/NDF: 1981.2/43


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
−40
−60
100
120
140
160
180
Right In: 38.427+/-0.637 χ²/NDF: 504.6/18
Left Out: 33.930+/-0.351 χ²/NDF:216.5/23
Right Out: 38.057+/-0.624 χ²/NDF: 492.8/20
Left In: 34.623+/-0.356 χ²/NDF:376.1/22
+ sign 34.976+/-0.307 χ²/NDF: 759.4/42
All: 35.220+/-0.218 χ²/NDF: 1652.3/86
- sign 35.466+/-0.309 χ²/NDF: 891.7/43



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

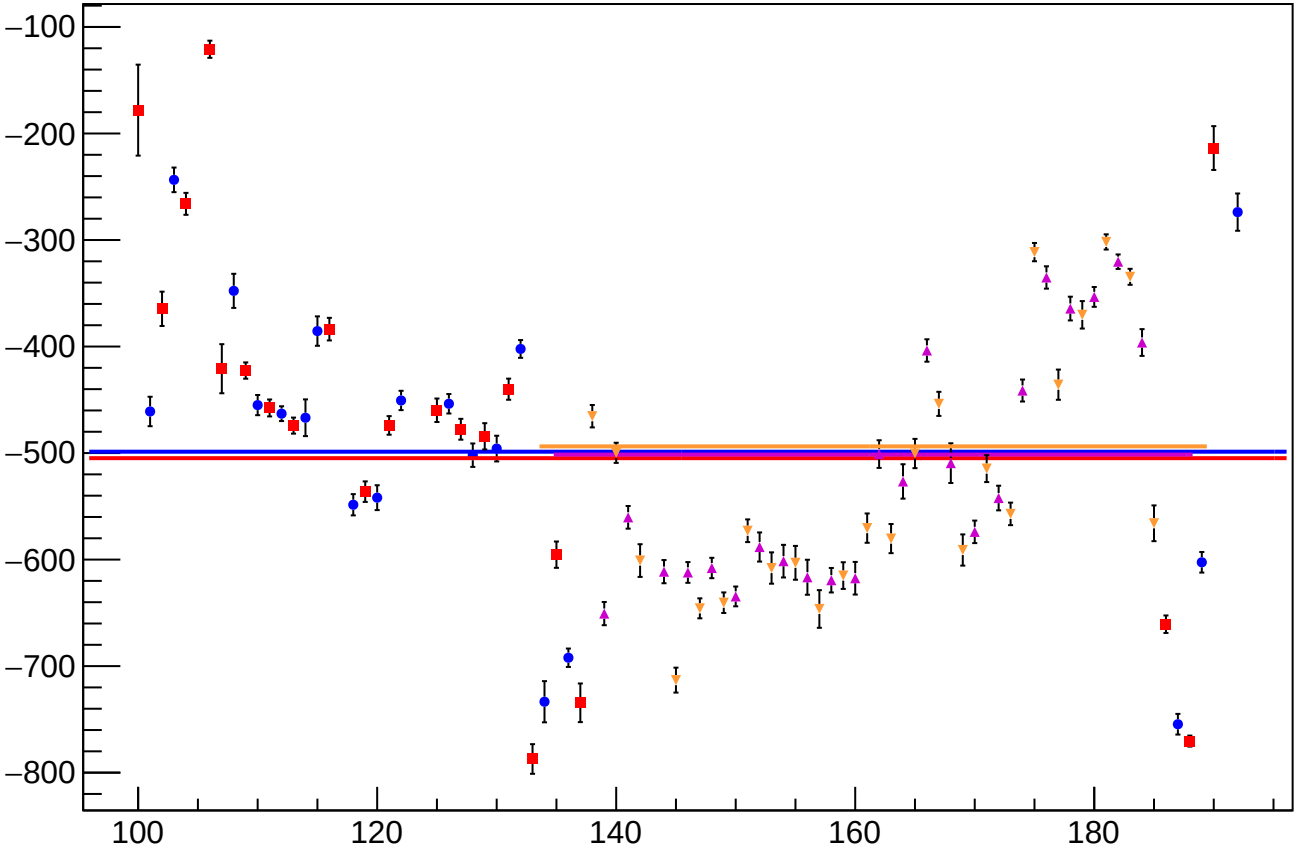
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.954+/-0.014 χ^2/NDF: 356421.4/42

All: -19.962+/-0.010 χ^2/NDF: 650509.6/86

- sign -19.971+/-0.015 χ^2/NDF: 294087.6/43

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -498.710+/-2.434 χ^2/NDF: 2552.7/18

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

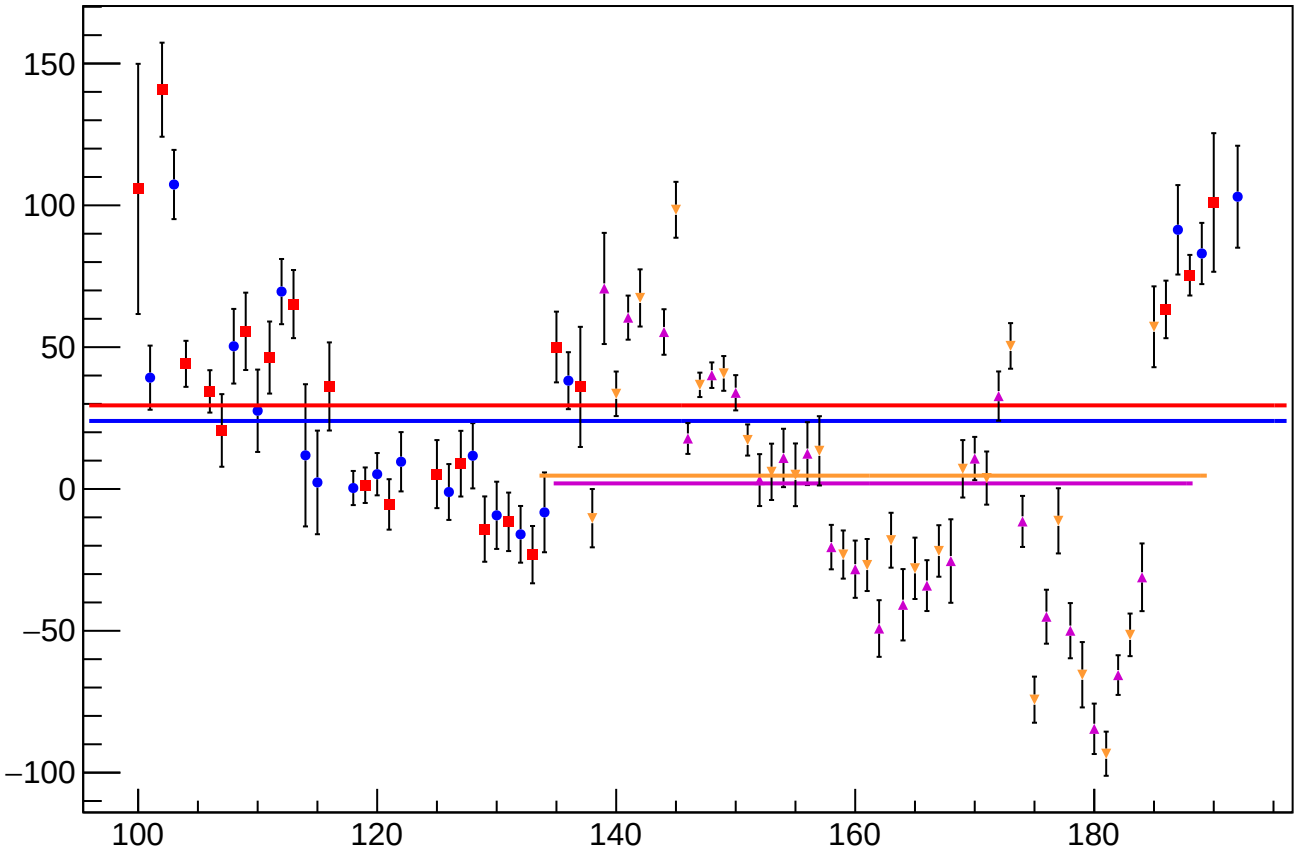
Right Out: -504.792+/-2.135 χ^2/NDF: 7184.3/20

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

\+ sign -496.070+/-1.670 χ^2/NDF: 5704.9/42

All: -499.882+/-1.142 χ^2/NDF: 15589.5/86

\- sign -503.239+/-1.567 χ^2/NDF: 9874.8/43



Right In: 23.984+/-2.519 χ^2/NDF: 199.9/18

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

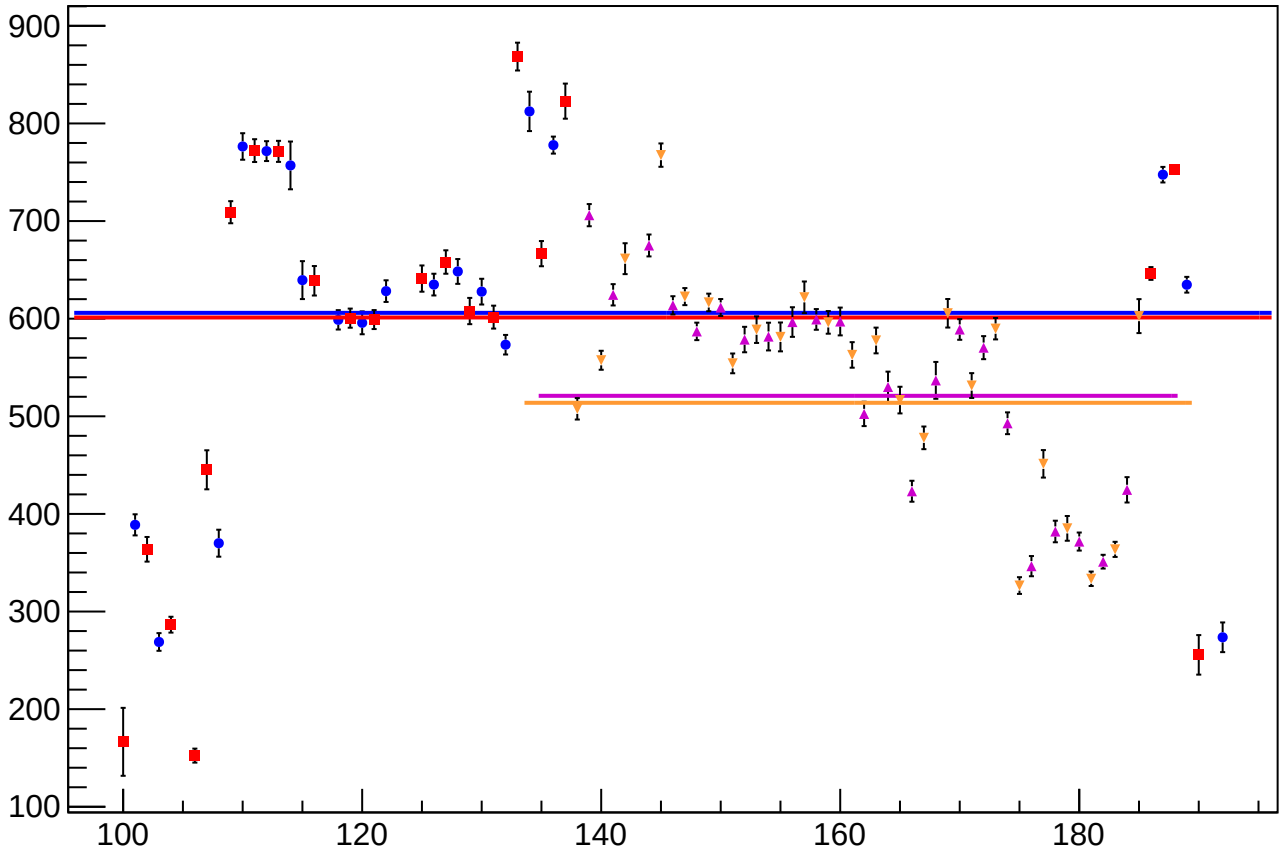
Right Out: 29.477+/-2.326 χ^2/NDF: 230.5/20

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

+ sign 10.720+/-1.407 χ^2/NDF: 920.5/42

All: 11.223+/-0.986 χ^2/NDF: 1802.4/86

- sign 11.710+/-1.384 χ^2/NDF: 881.6/43



Right In: 605.976+/-2.566 χ^2/NDF: 3877.8/18

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

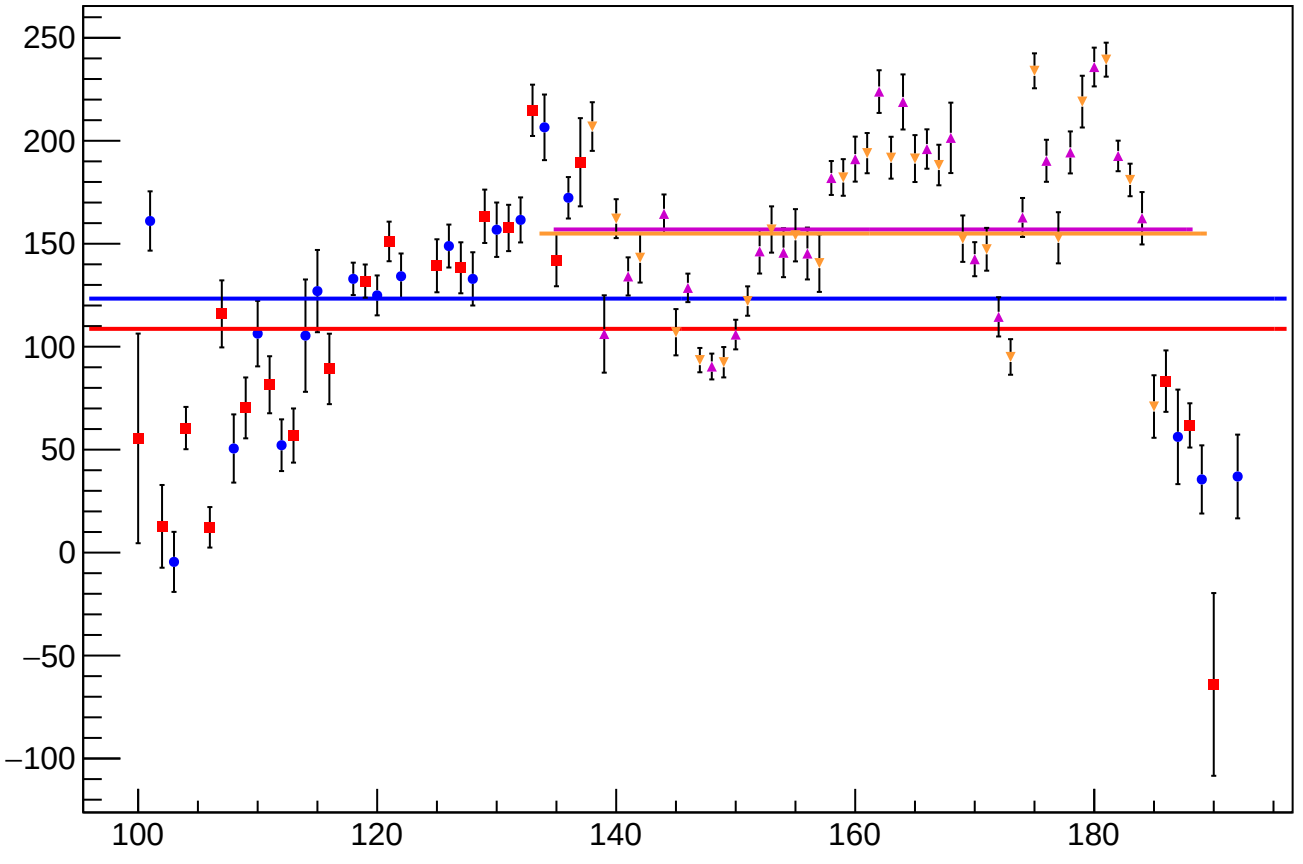
Right Out: 601.227+/-2.149 χ^2/NDF: 8786.1/20

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

\+ sign 554.430+/-1.703 χ^2/NDF: 7334.9/42

All: 559.369+/-1.152 χ^2/NDF: 19234.1/86

\- sign 563.539+/-1.565 χ^2/NDF: 11883.7/43



Right In: 123.353+/-2.970 χ^2/NDF: 270.1/18

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

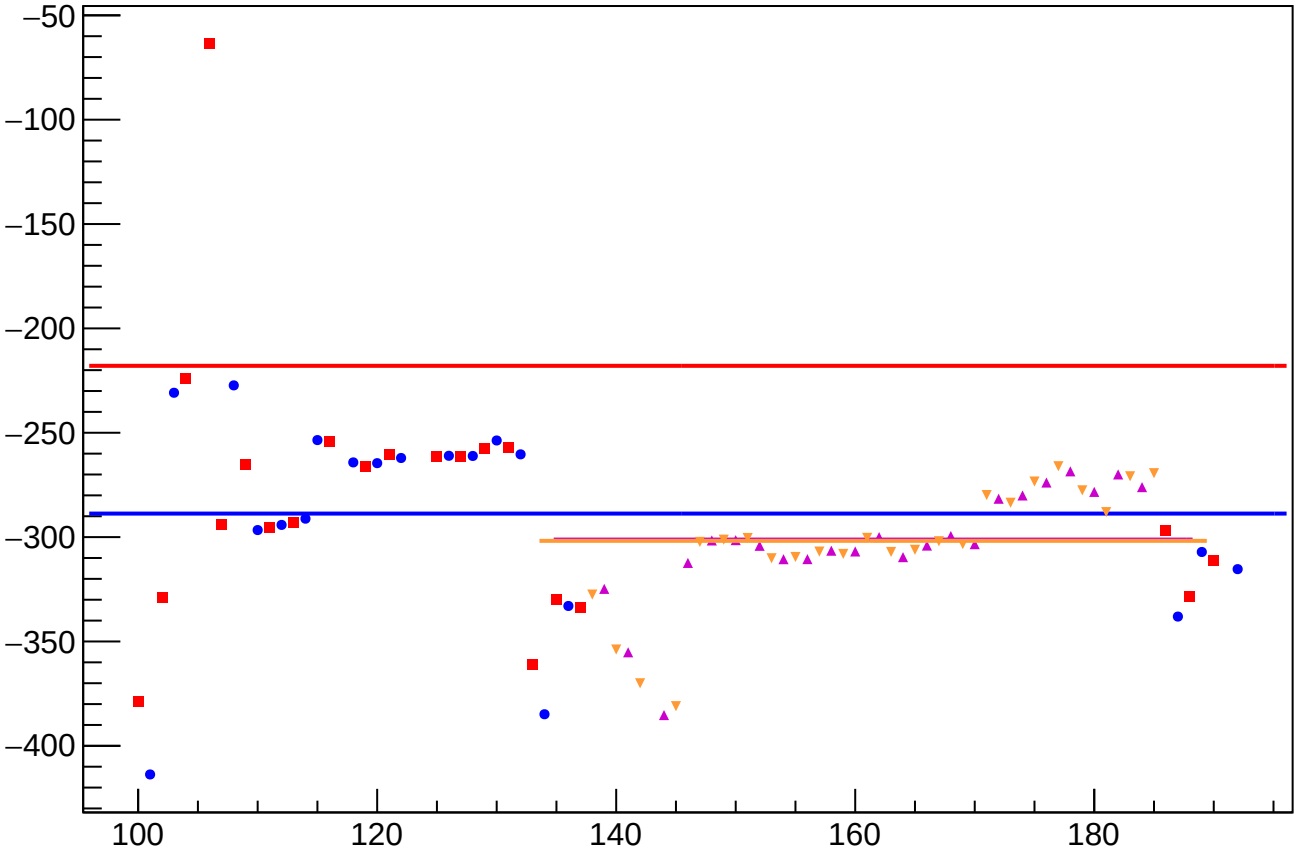
Right Out: 108.664+/-2.811 χ^2/NDF: 376.3/20

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 145.409+/-1.632 χ^2/NDF: 958.0/42

All: 143.191+/-1.148 χ^2/NDF: 1978.8/86

- sign 141.022+/-1.614 χ^2/NDF: 1017.2/43



Right In: -288.724+/-0.166 χ^2/NDF: 108639.0/18

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -217.930+/-0.142 χ^2/NDF: 588420.5/20

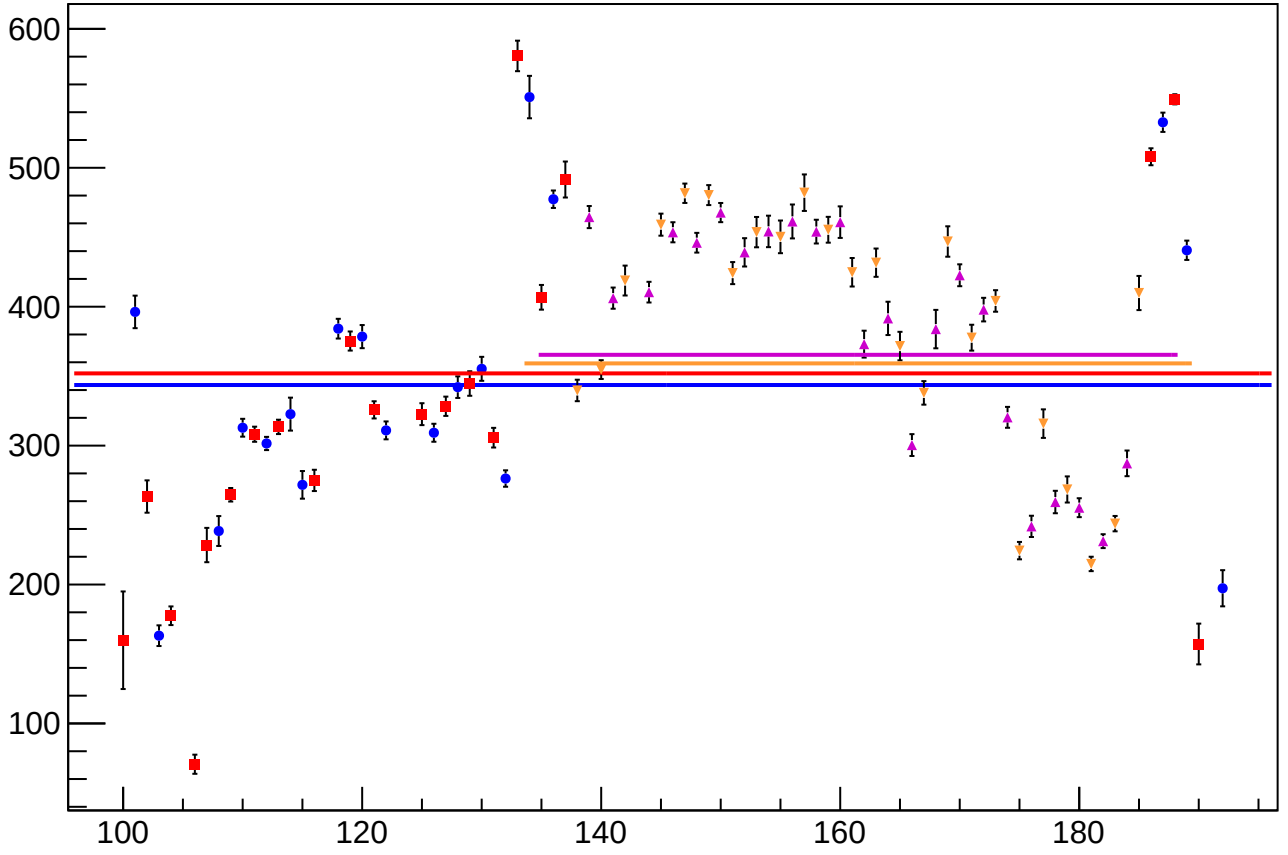
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -298.768+/-0.080 χ^2/NDF: 200139.2/42

All: -287.549+/-0.055 χ^2/NDF: 1146937.9/86

- sign -277.317+/-0.076 χ^2/NDF: 908833.3/43

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 343.632+/-1.721 χ^2/NDF: 2796.3/18

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

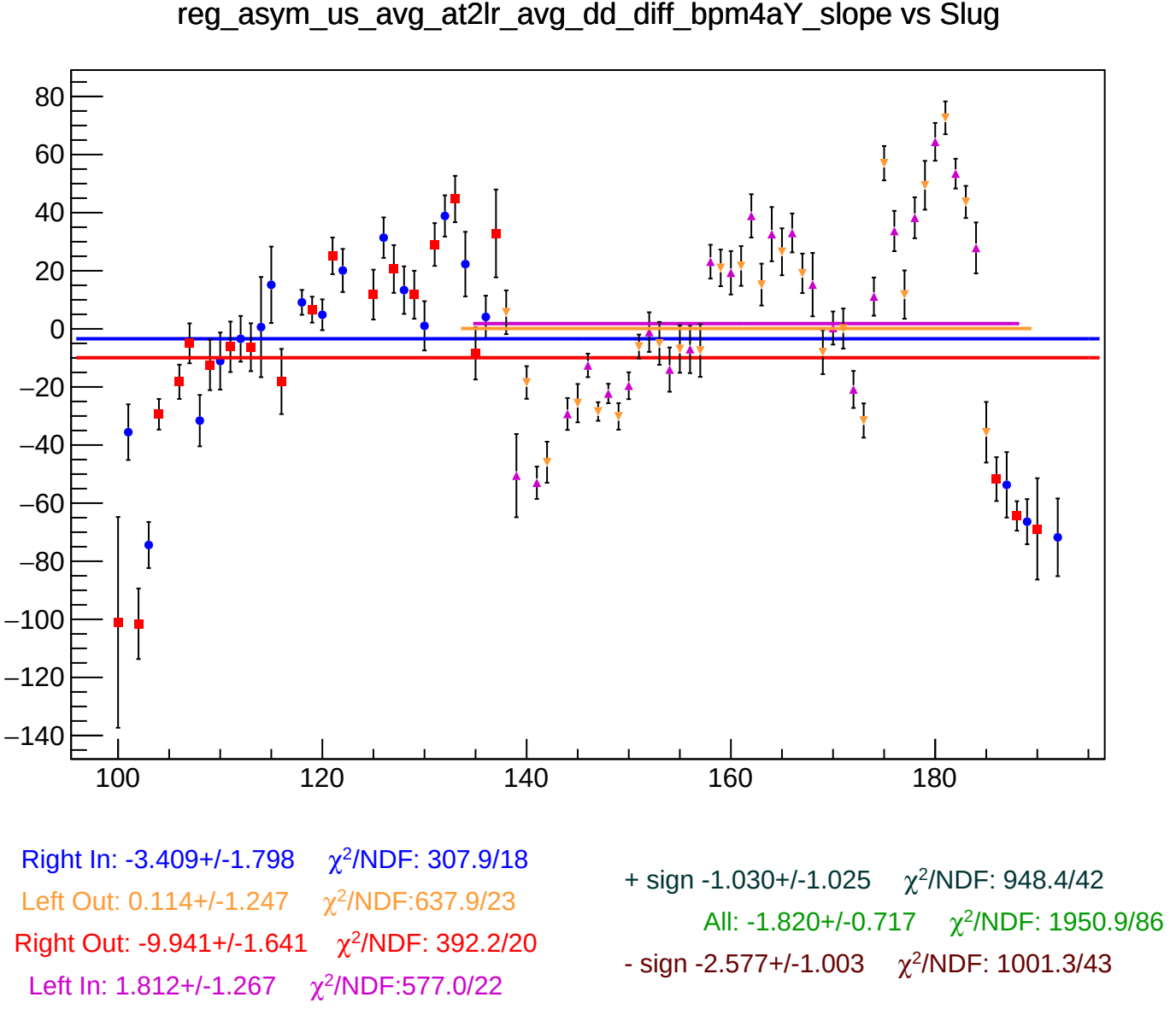
Right Out: 351.993+/-1.509 χ^2/NDF: 7513.8/20

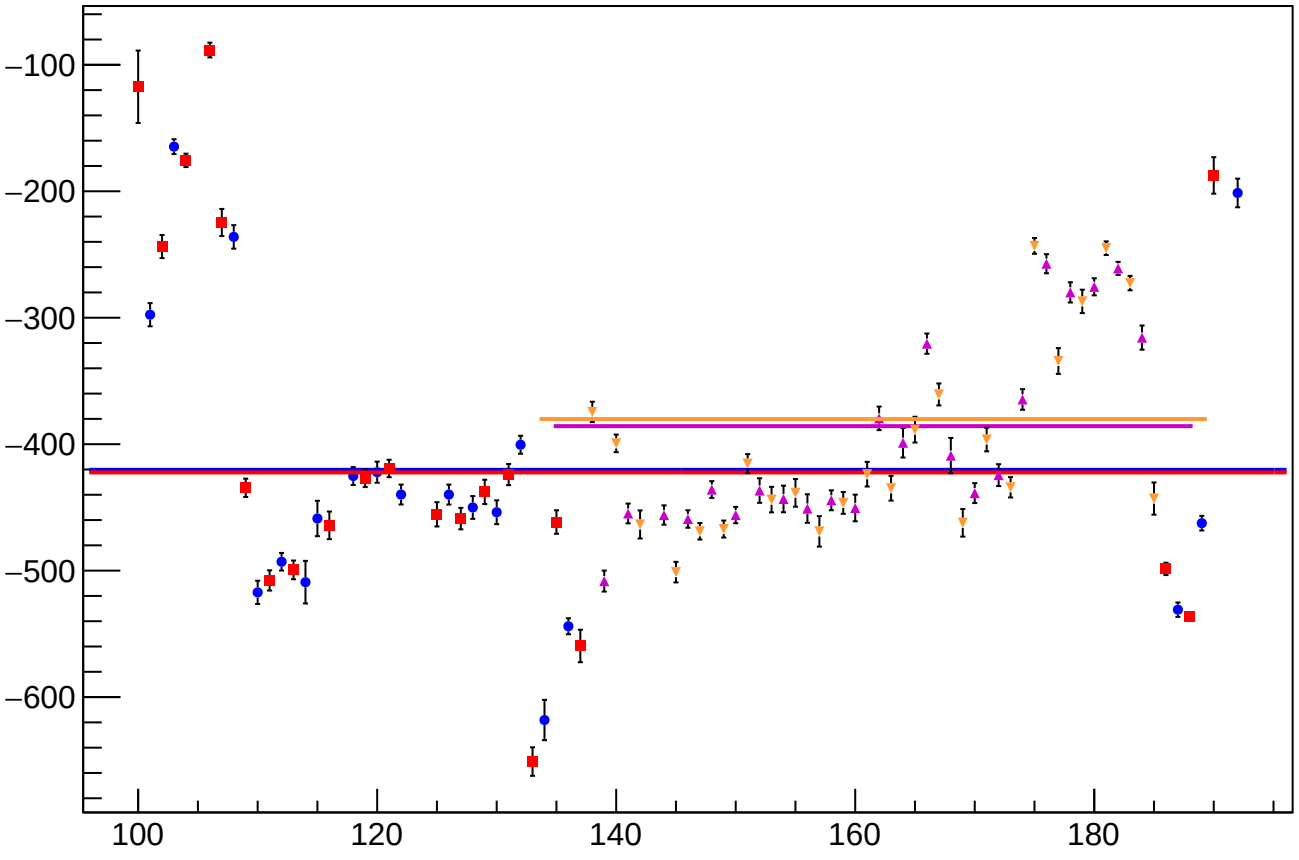
Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 351.594+/-1.203 χ^2/NDF: 6026.0/42

All: 354.962+/-0.822 χ^2/NDF: 16328.7/86

- sign 357.916+/-1.126 χ^2/NDF: 10288.0/43


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
120
140
160
180
Right In: -3.409+/-1.798 χ²/NDF: 307.9/18
Left Out: 0.114+/-1.247 χ²/NDF:637.9/23
Right Out: -9.941+/-1.641 χ²/NDF: 392.2/20
Left In: 1.812+/-1.267 χ²/NDF:577.0/22
+ sign -1.030+/-1.025 χ²/NDF: 948.4/42
All: -1.820+/-0.717 χ²/NDF: 1950.9/86
- sign -2.577+/-1.003 χ²/NDF: 1001.3/43



Right In: -420.275+/-1.823 χ^2/NDF: 4122.0/18

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

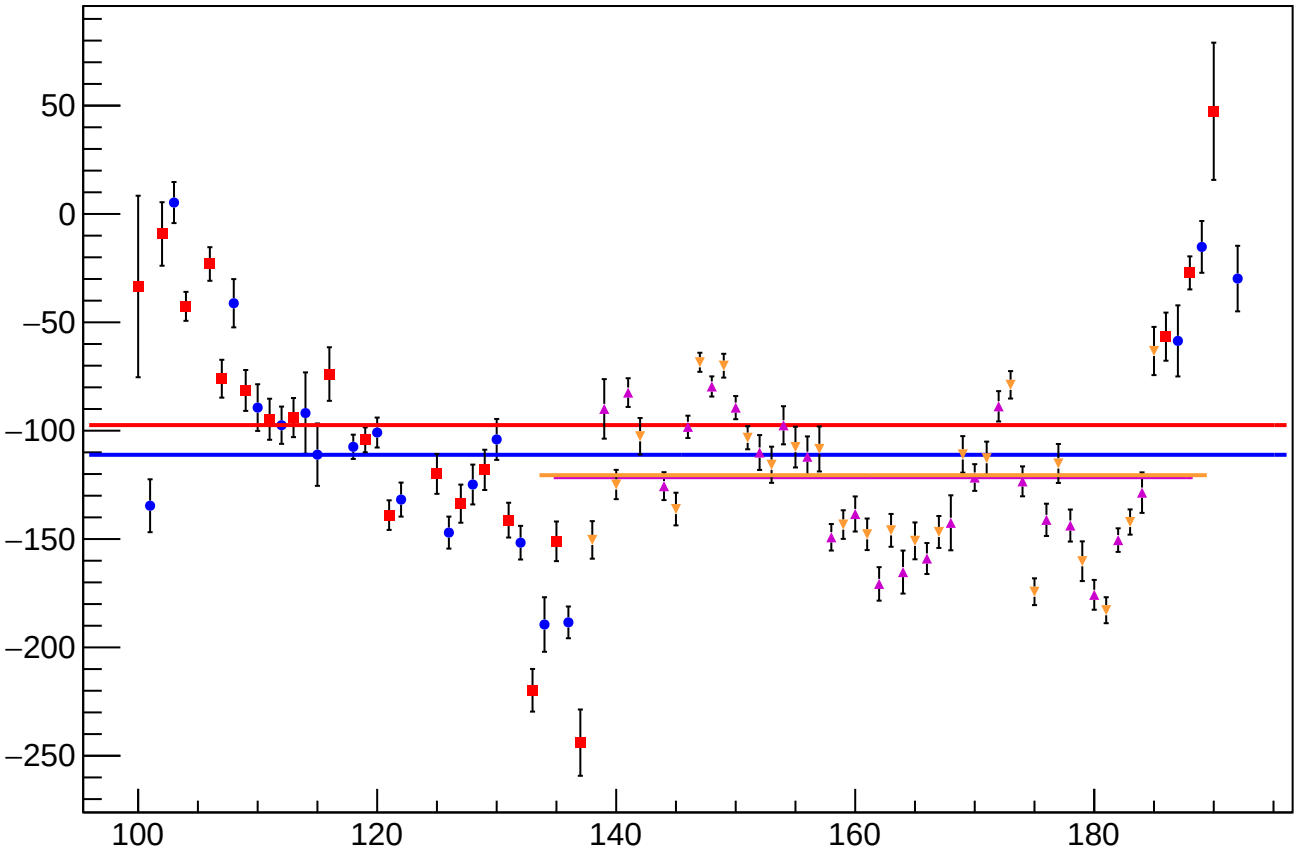
Right Out: -422.340+/-1.528 χ^2/NDF: 9138.7/20

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -398.451+/-1.231 χ^2/NDF: 7004.1/42

All: -402.406+/-0.832 χ^2/NDF: 18783.5/86

- sign -405.733+/-1.129 χ^2/NDF: 11760.4/43



Right In: -111.130+/-2.119 χ^2/NDF: 518.7/18

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

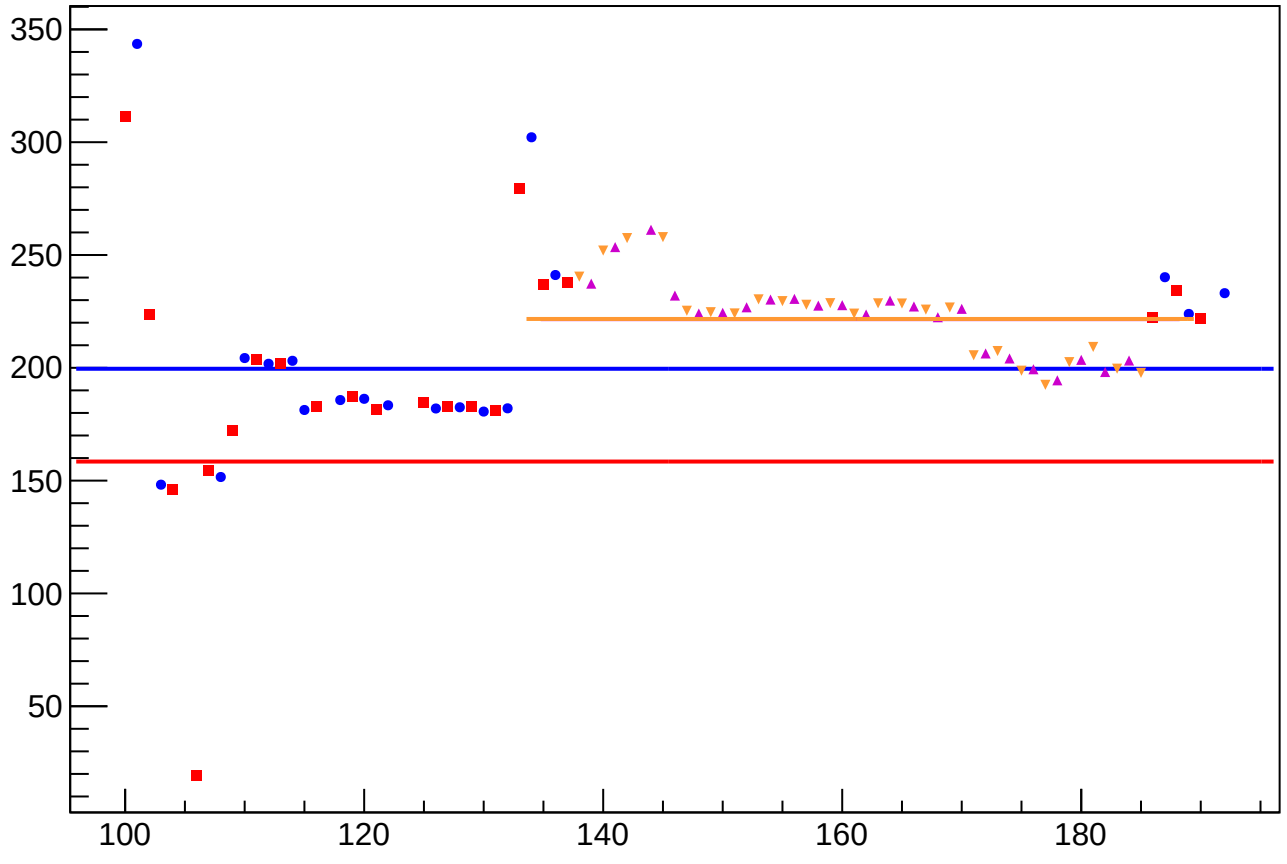
Right Out: -97.420+/-1.980 χ^2/NDF: 706.7/20

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -117.581+/-1.188 χ^2/NDF: 1143.7/42

All: -115.288+/-0.834 χ^2/NDF: 2386.4/86

- sign -113.066+/-1.170 χ^2/NDF: 1235.3/43



Right In: 199.577+/-0.117 χ^2/NDF: 186872.7/18

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

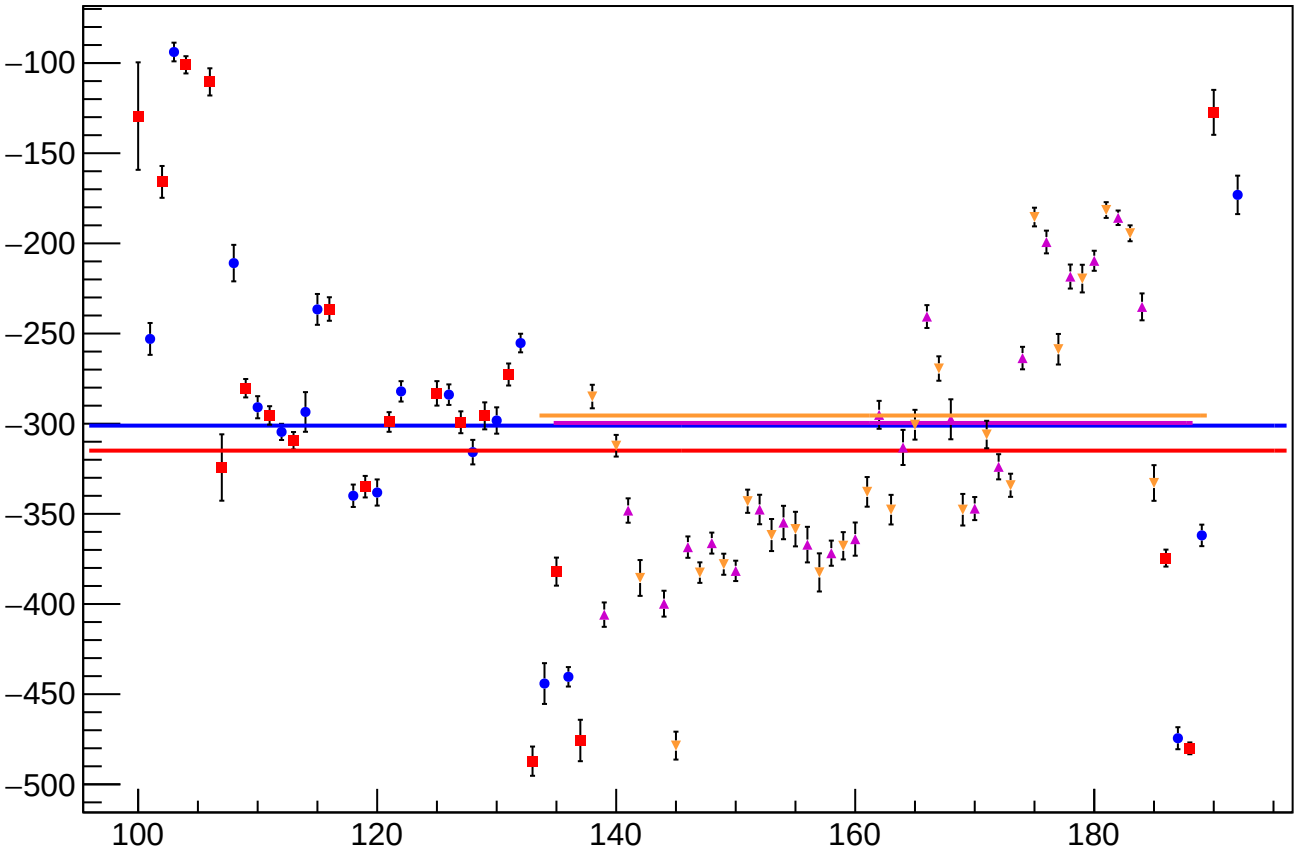
Right Out: 158.453+/-0.105 χ^2/NDF: 548995.2/20

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 216.236+/-0.058 χ^2/NDF: 280976.5/42

All: 209.692+/-0.040 χ^2/NDF: 1175854.7/86

- sign 203.580+/-0.056 χ^2/NDF: 870194.3/43



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

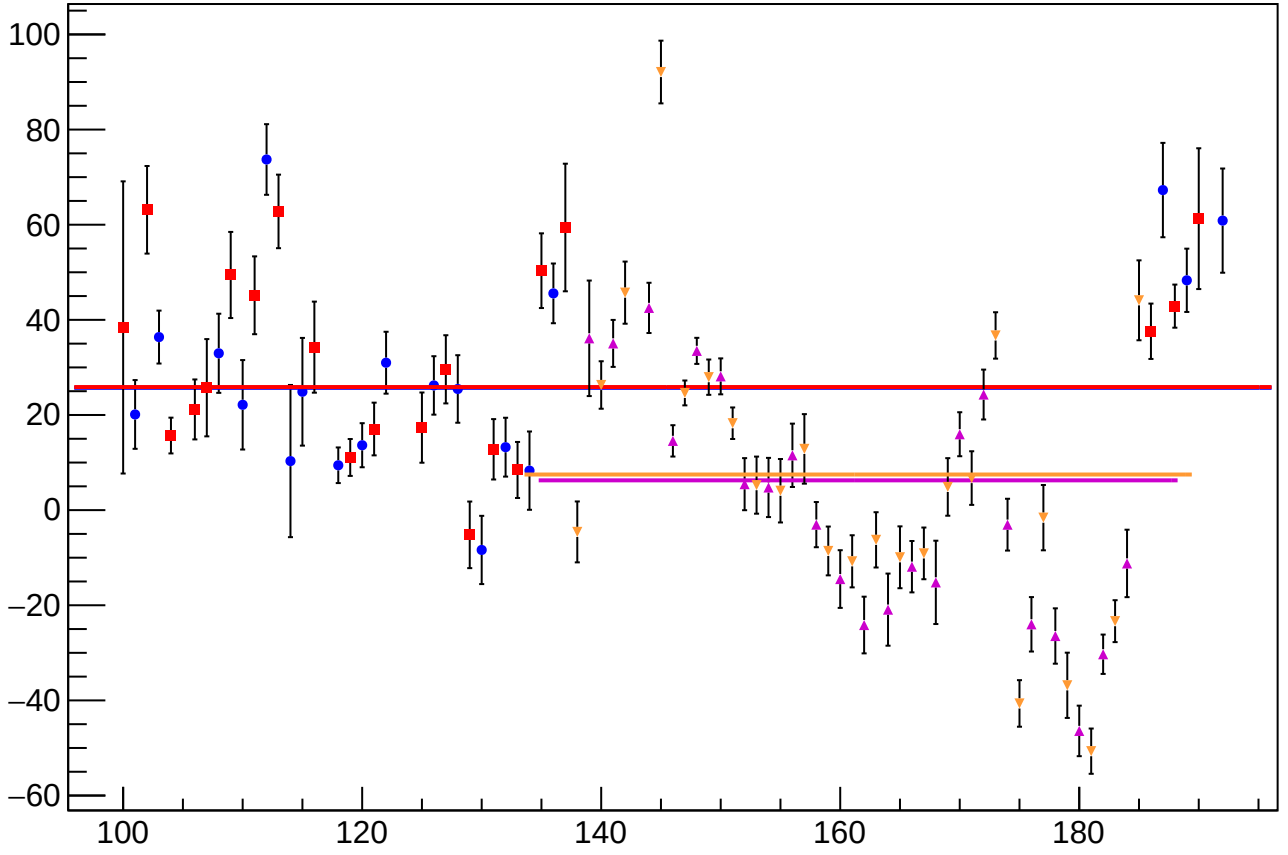
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

\+ sign -298.072+/-1.018 χ^2/NDF: 7175.8/42

All: -303.089+/-0.701 χ^2/NDF: 17273.6/86

\- sign -307.601+/-0.966 χ^2/NDF: 10051.7/43

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 25.713+/-1.540 χ^2/NDF: 154.8/18

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

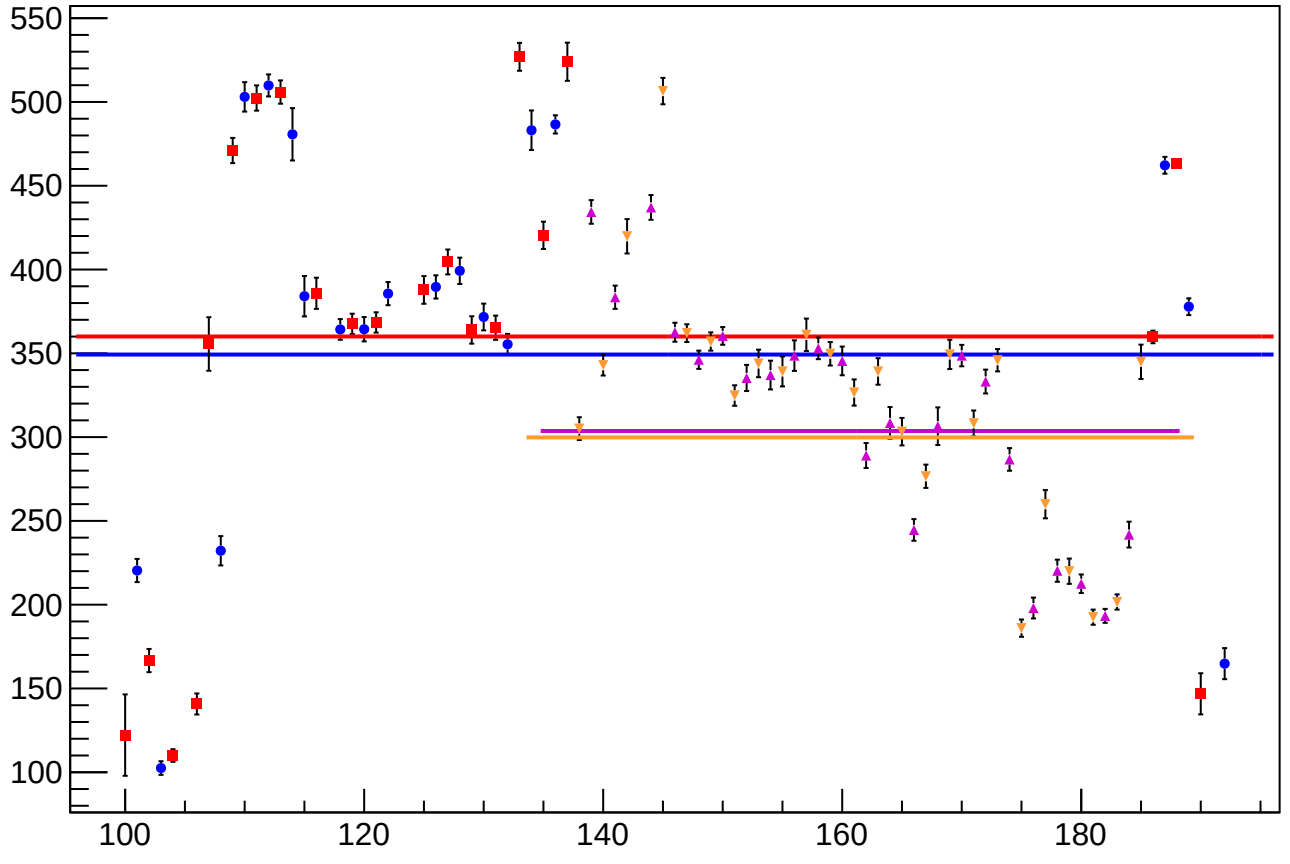
Right Out: 25.873+/-1.431 χ^2/NDF: 151.6/20

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

+ sign 13.117+/-0.856 χ^2/NDF: 990.1/42

All: 13.100+/-0.601 χ^2/NDF: 1823.7/86

- sign 13.083+/-0.844 χ^2/NDF: 833.6/43



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

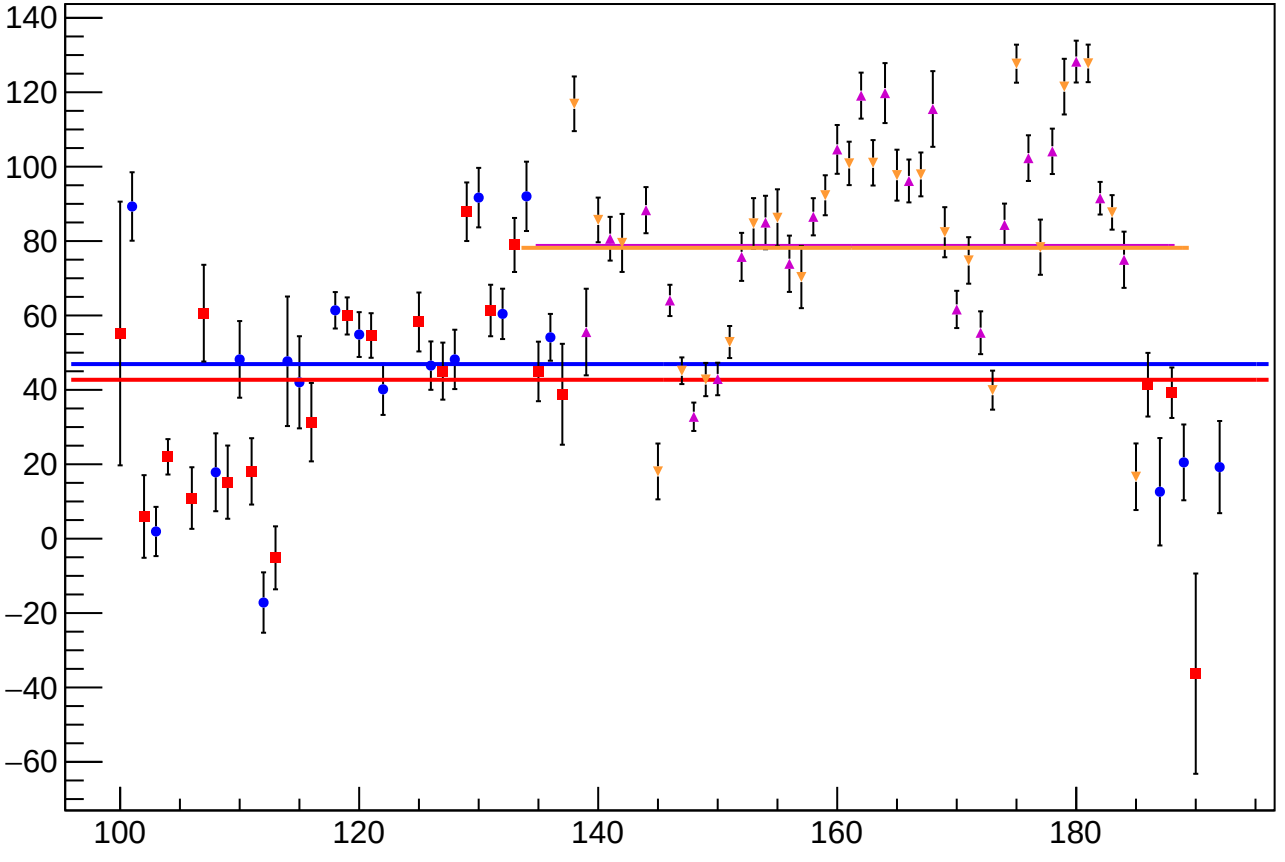
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 321.771+/-1.030 χ^2/NDF: 10660.1/42

All: 327.832+/-0.701 χ^2/NDF: 24540.5/86

- sign 333.059+/-0.956 χ^2/NDF: 13815.9/43

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 46.929+/-1.816 χ^2/NDF: 226.6/18

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

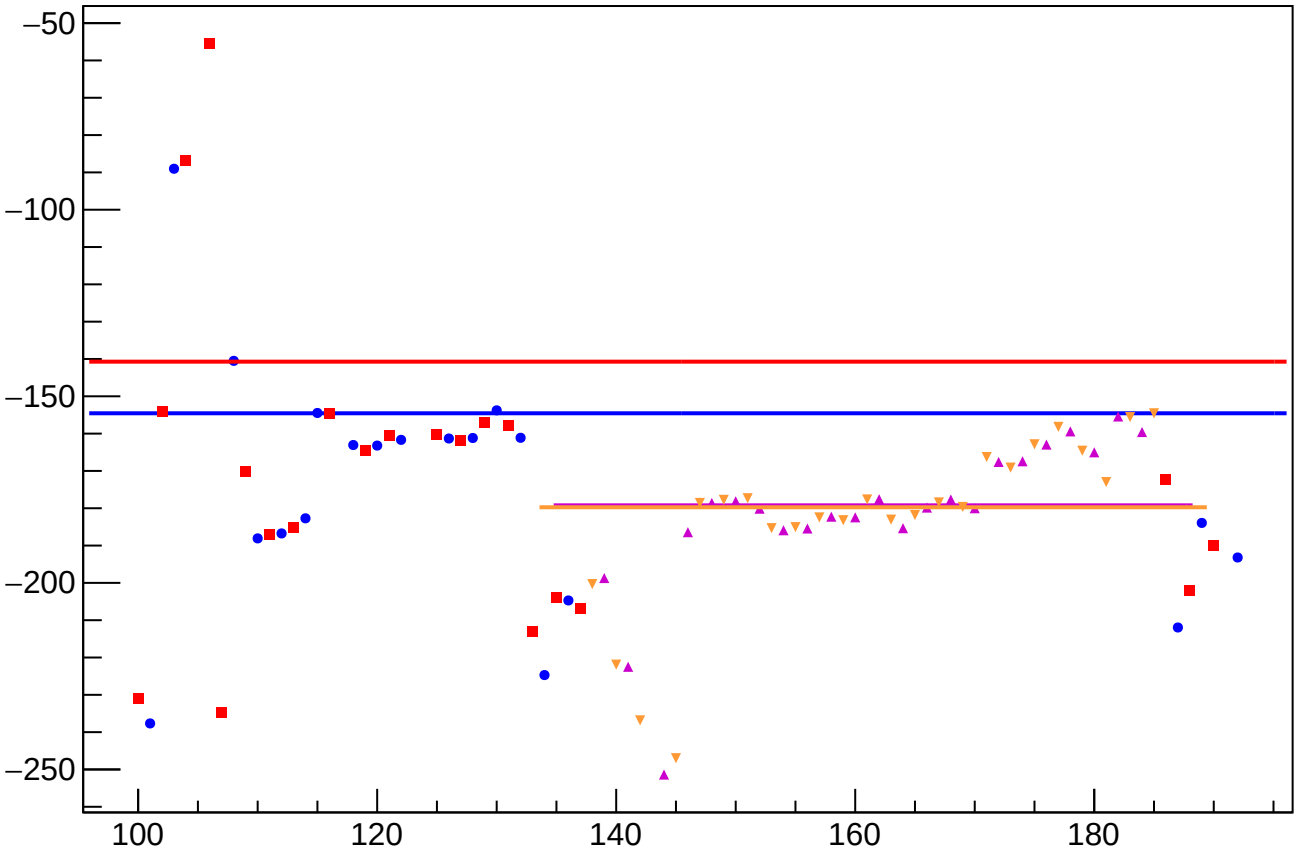
Right Out: 42.710+/-1.730 χ^2/NDF: 189.0/20

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 68.854+/-0.992 χ^2/NDF: 1097.7/42

All: 67.954+/-0.698 χ^2/NDF: 2069.7/86

- sign 67.069+/-0.983 χ^2/NDF: 970.4/43



Right In: -154.550+/-0.095 χ^2/NDF: 277625.7/18

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

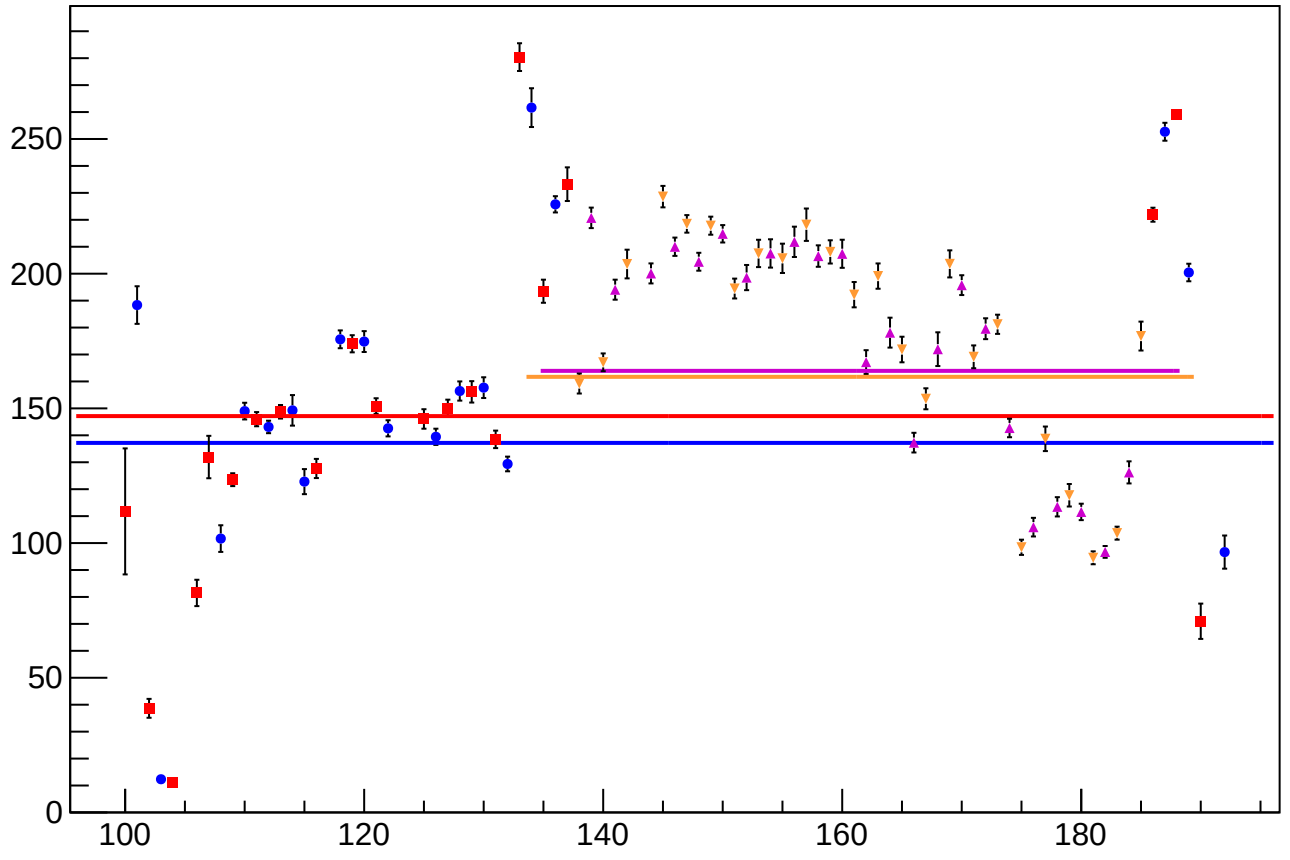
Right Out: -140.717+/-0.092 χ^2/NDF: 352391.6/20

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -173.403+/-0.048 χ^2/NDF: 462582.8/42

All: -171.275+/-0.033 χ^2/NDF: 1062122.4/86

- sign -169.209+/-0.047 χ^2/NDF: 595599.9/43



Right In: 137.185+/-0.760 χ^2/NDF: 7945.3/18

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

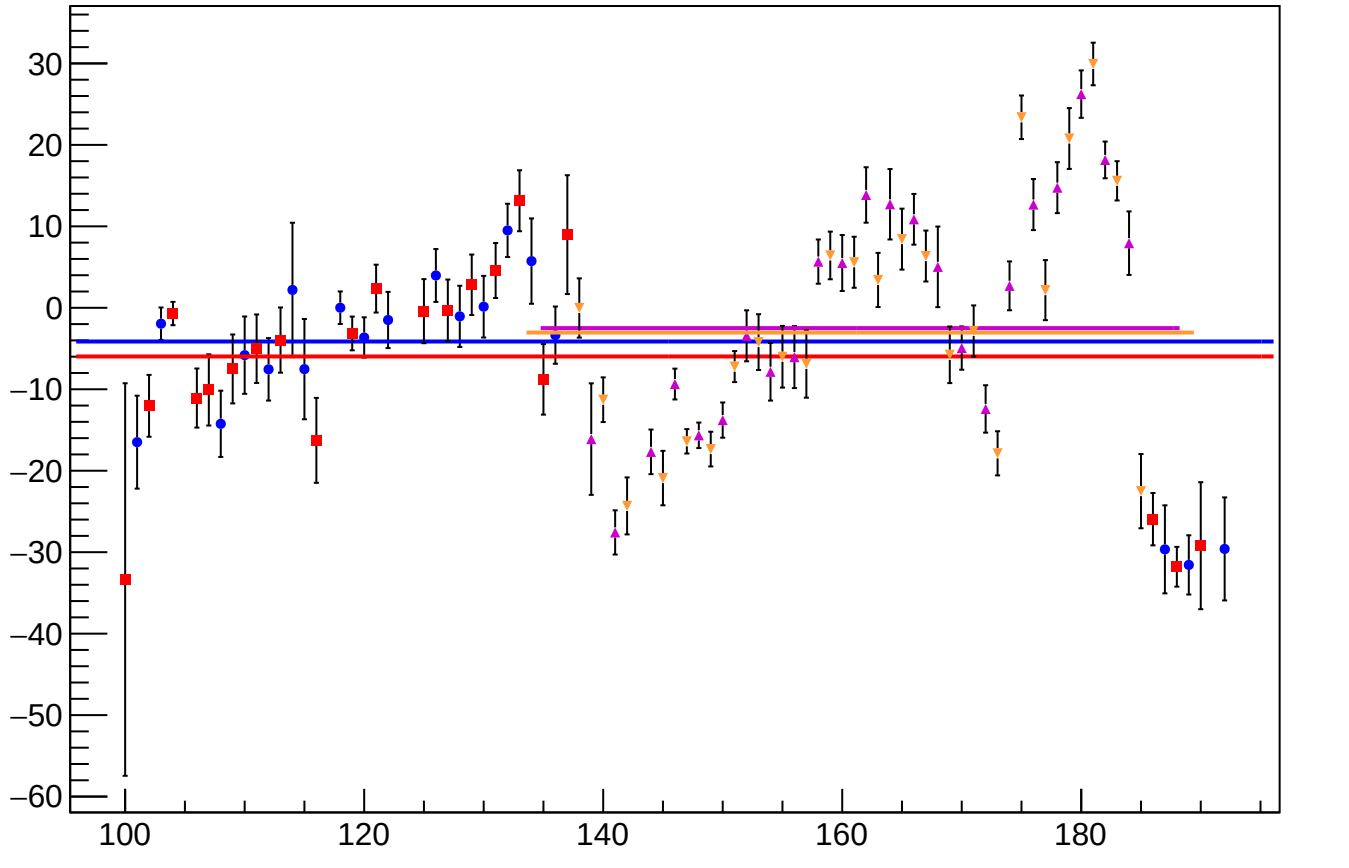
Right Out: 147.134+/-0.680 χ^2/NDF: 12905.1/20

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 149.185+/-0.543 χ^2/NDF: 12042.3/42

All: 151.940+/-0.373 χ^2/NDF: 28595.3/86

- sign 154.394+/-0.512 χ^2/NDF: 16504.2/43



Right In: -4.137+/-0.796 χ^2/NDF: 143.4/18

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

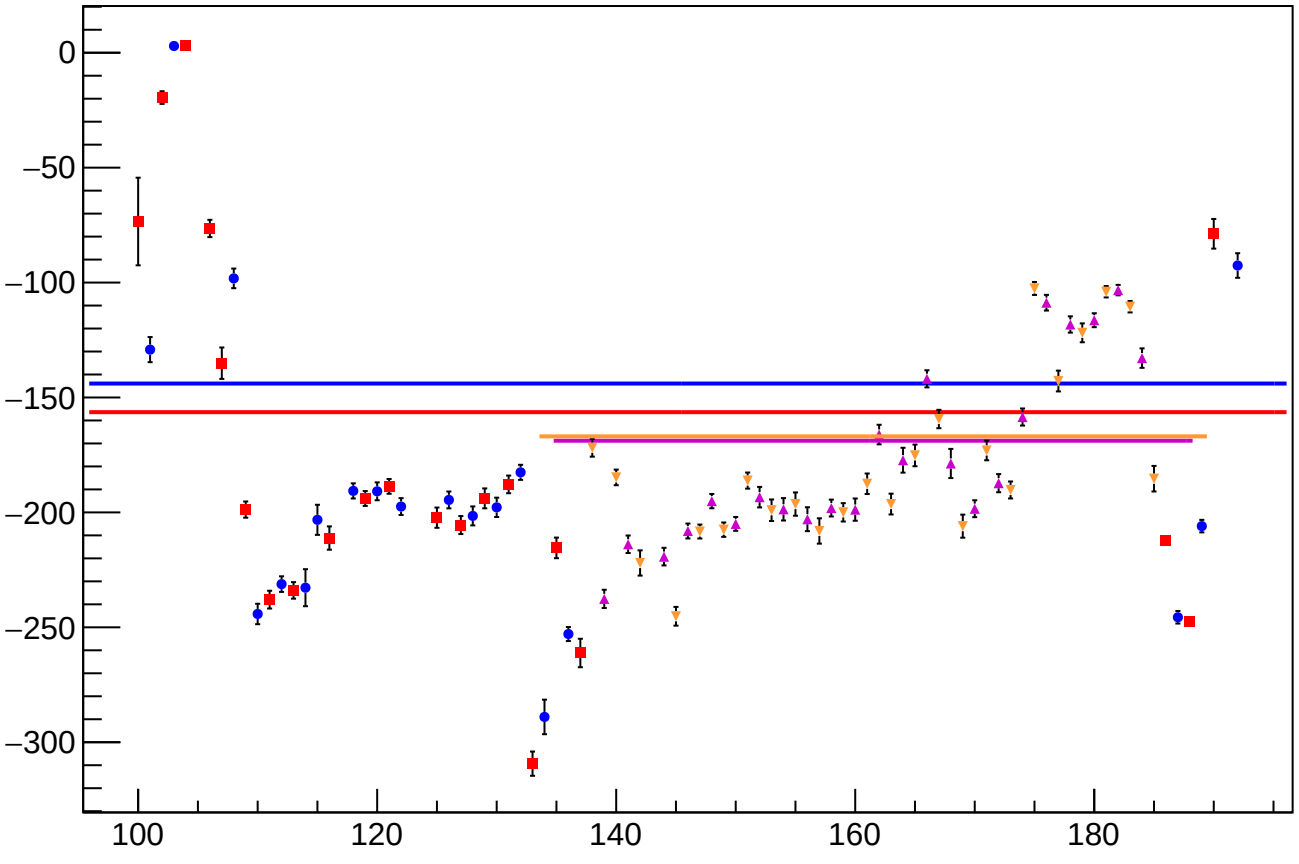
Right Out: -5.972+/-0.713 χ^2/NDF: 244.2/20

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

\+ sign -3.417+/-0.468 χ^2/NDF: 799.1/42

All: -3.665+/-0.325 χ^2/NDF: 1620.9/86

\- sign -3.897+/-0.453 χ^2/NDF: 821.3/43



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

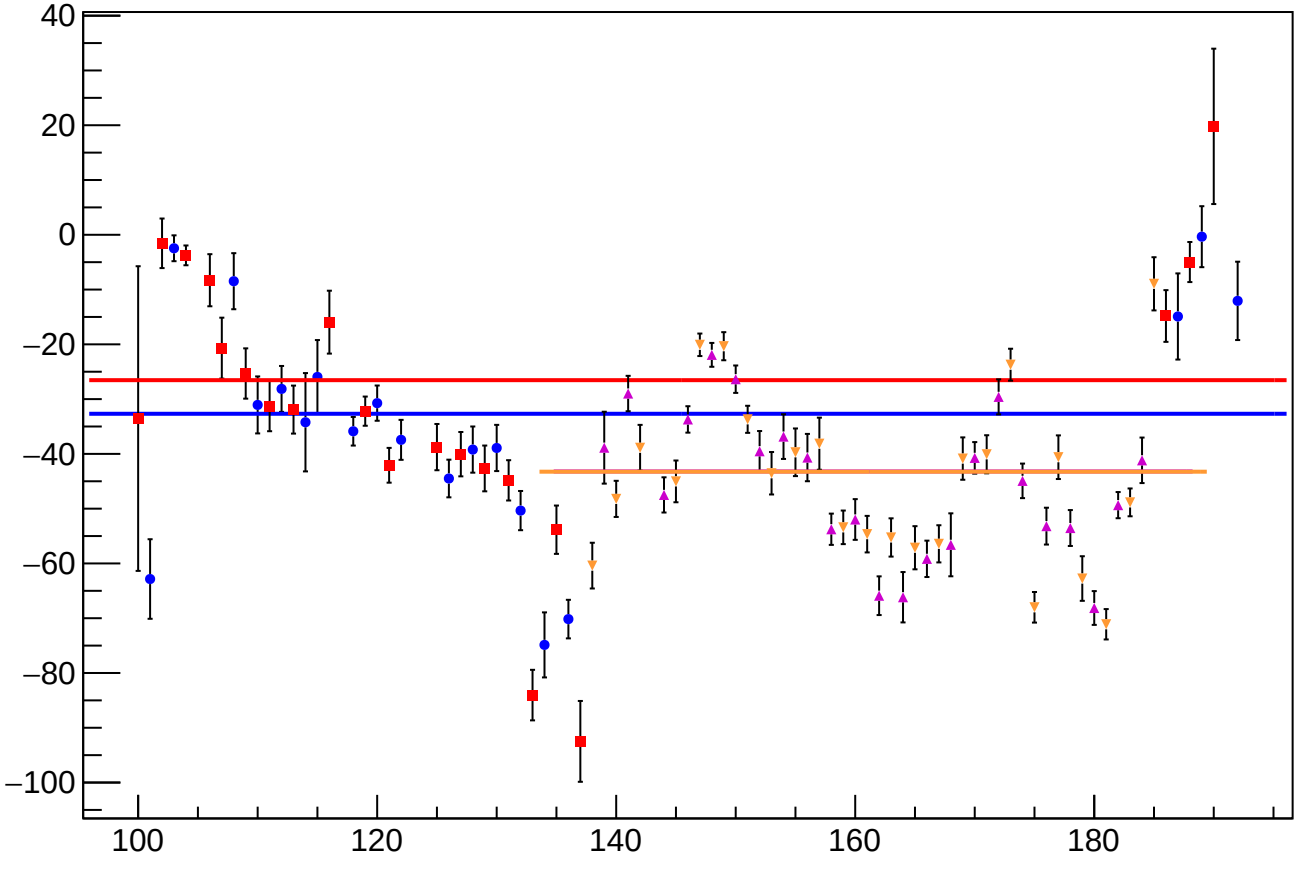
Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -155.370+/-0.544 χ^2/NDF: 20515.7/42

All: -158.759+/-0.369 χ^2/NDF: 47091.5/86

- sign -161.664+/-0.503 χ^2/NDF: 26503.7/43

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -32.677+/-0.938 χ^2/NDF: 461.2/18

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

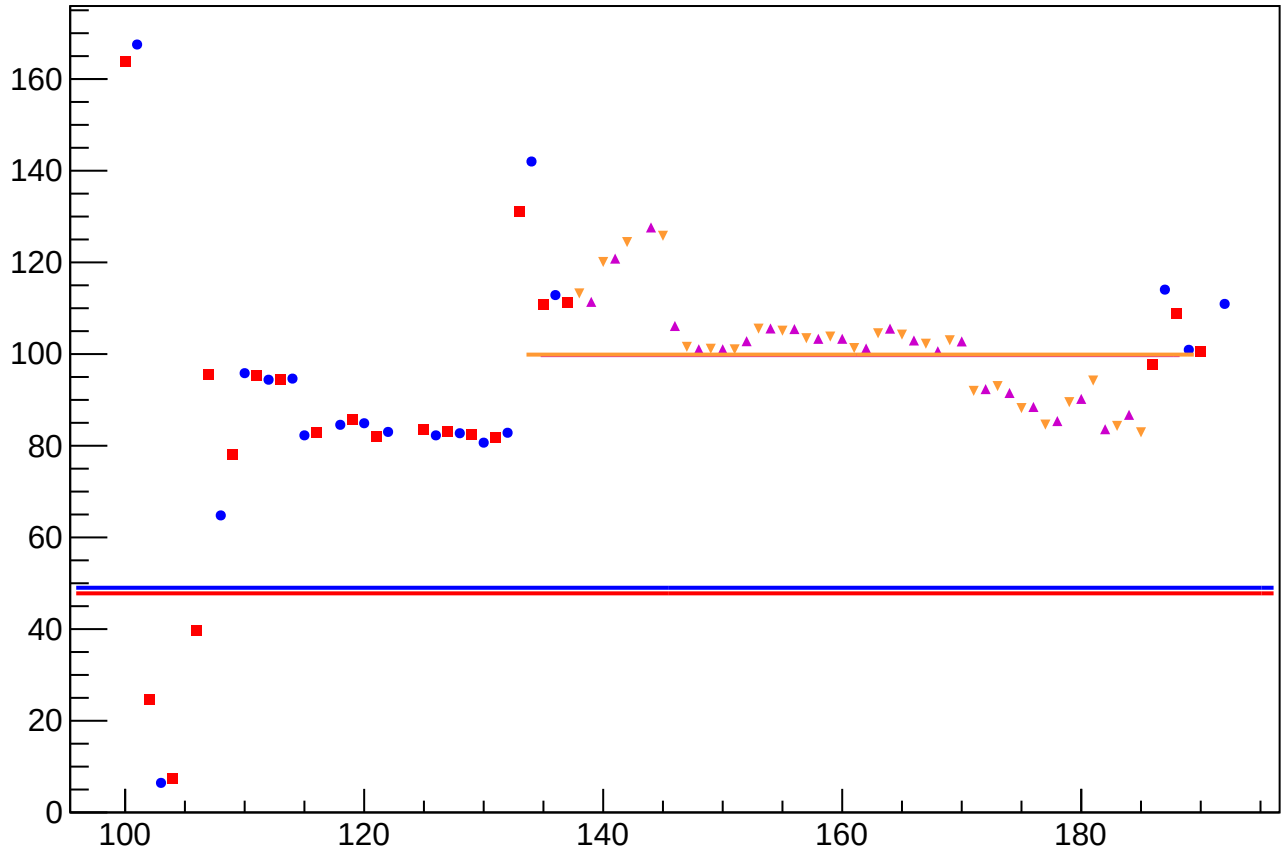
Right Out: -26.541+/-0.864 χ^2/NDF: 624.2/20

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -39.723+/-0.542 χ^2/NDF: 1156.0/42

All: -38.302+/-0.379 χ^2/NDF: 2431.9/86

- sign -36.946+/-0.529 χ^2/NDF: 1262.5/43



Right In: 49.020+/-0.043 χ^2/NDF: 1234757.6/18

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

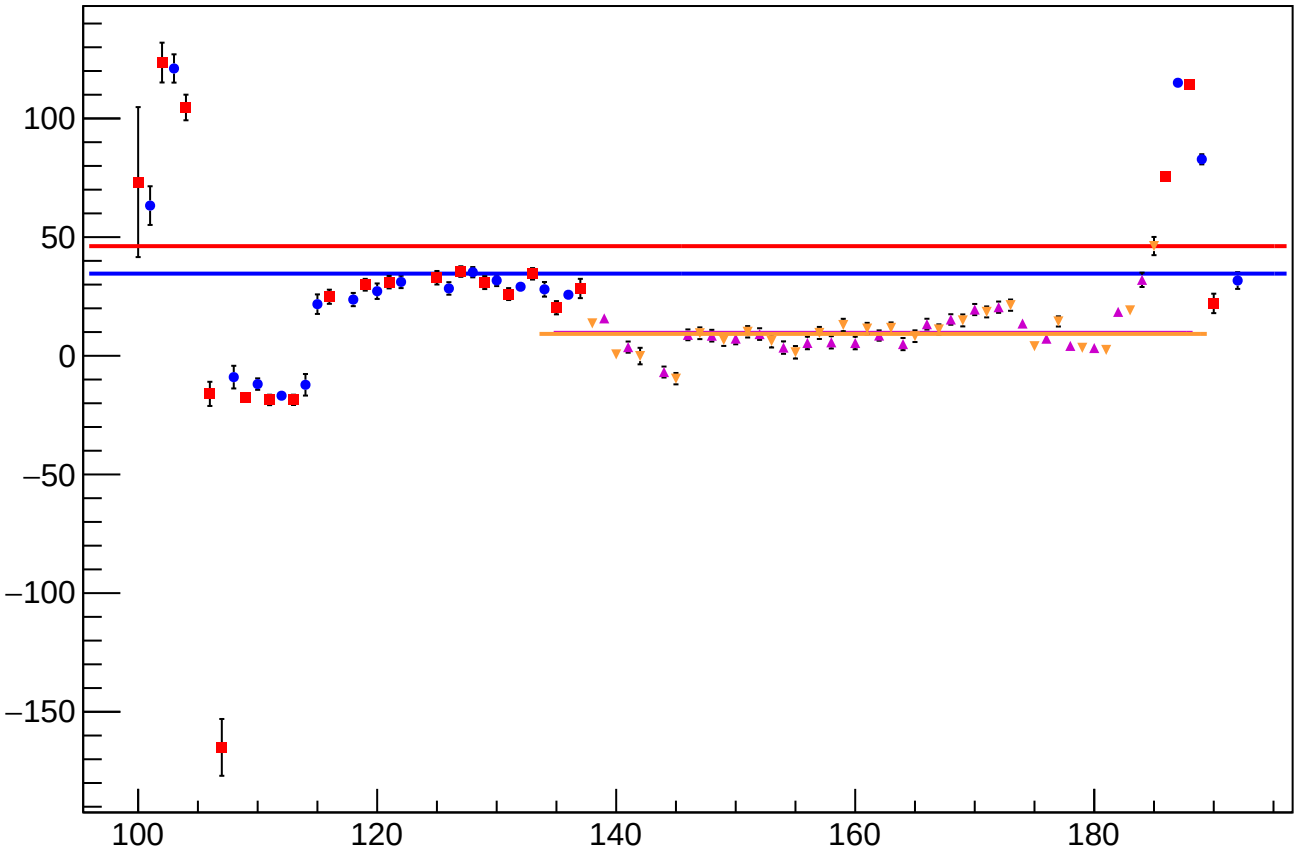
Right Out: 47.799+/-0.043 χ^2/NDF: 952820.6/20

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 82.776+/-0.025 χ^2/NDF: 2277385.4/42

All: 82.631+/-0.018 χ^2/NDF: 4305970.6/86

- sign 82.487+/-0.025 χ^2/NDF: 2028518.7/43



Right In: 34.626+/-0.612 χ^2/NDF: 3644.1/18

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

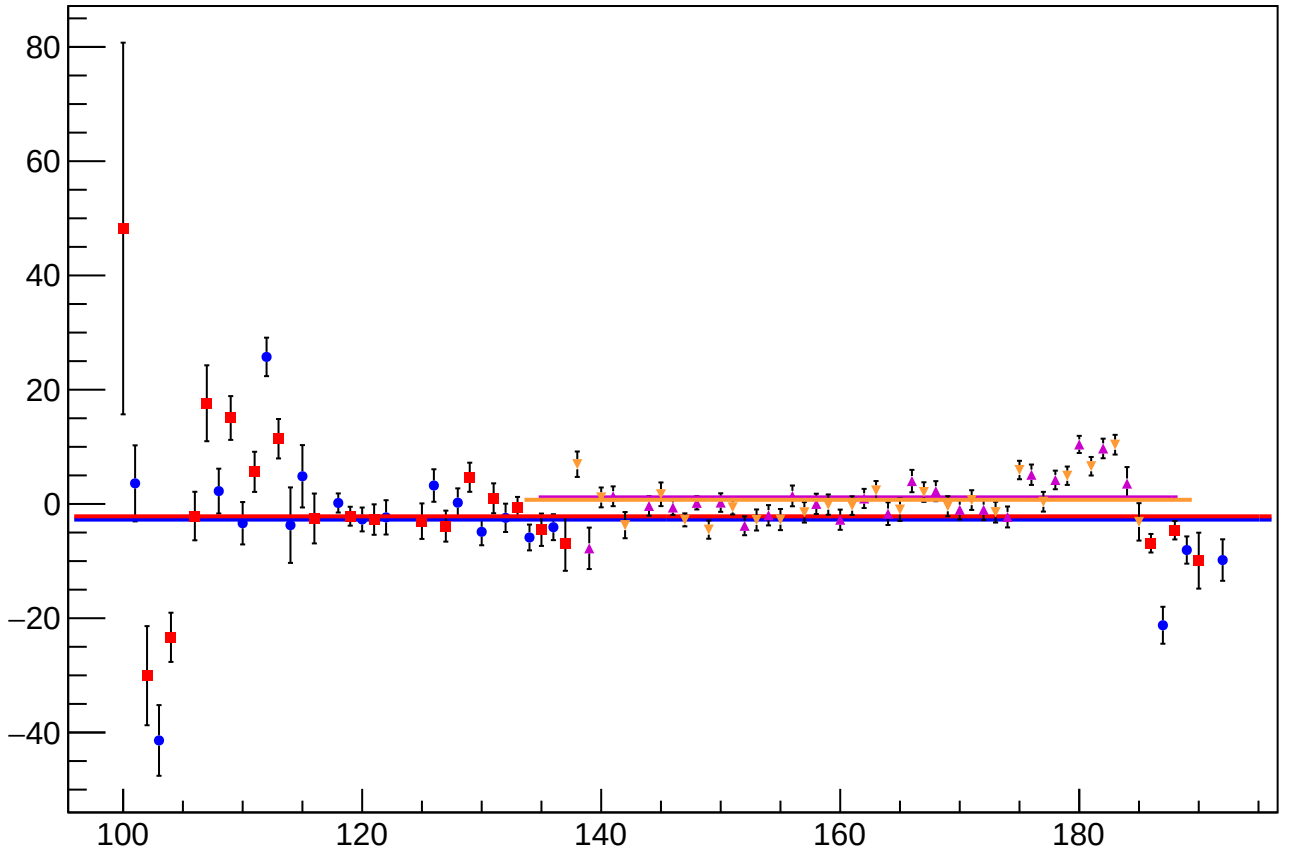
Right Out: 46.199+/-0.533 χ^2/NDF: 7727.3/20

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

\+ sign 18.309+/-0.366 χ^2/NDF: 5078.7/42

All: 21.994+/-0.253 χ^2/NDF: 15924.9/86

\- sign 25.353+/-0.349 χ^2/NDF: 10652.3/43



Right In: -2.735+/-0.646 χ^2/NDF: 168.5/18

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

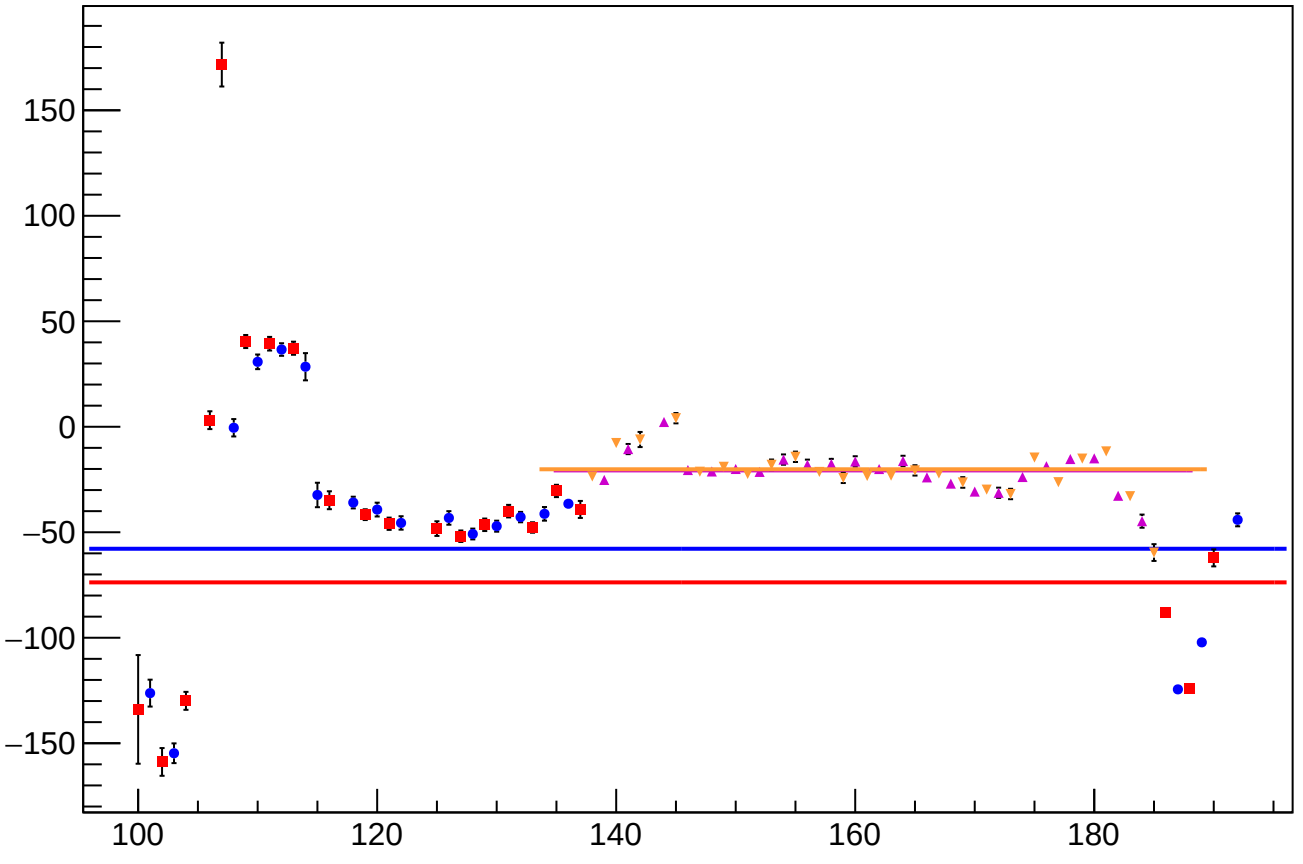
Right Out: -2.164+/-0.601 χ^2/NDF: 111.3/20

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign -0.054+/-0.307 χ^2/NDF: 300.4/42

All: 0.117+/-0.217 χ^2/NDF: 545.3/86

\- sign 0.288+/-0.307 χ^2/NDF: 244.3/43



Right In: -57.823+/-0.644 χ^2/NDF: 5240.5/18

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -73.759+/-0.523 χ^2/NDF: 9252.8/20

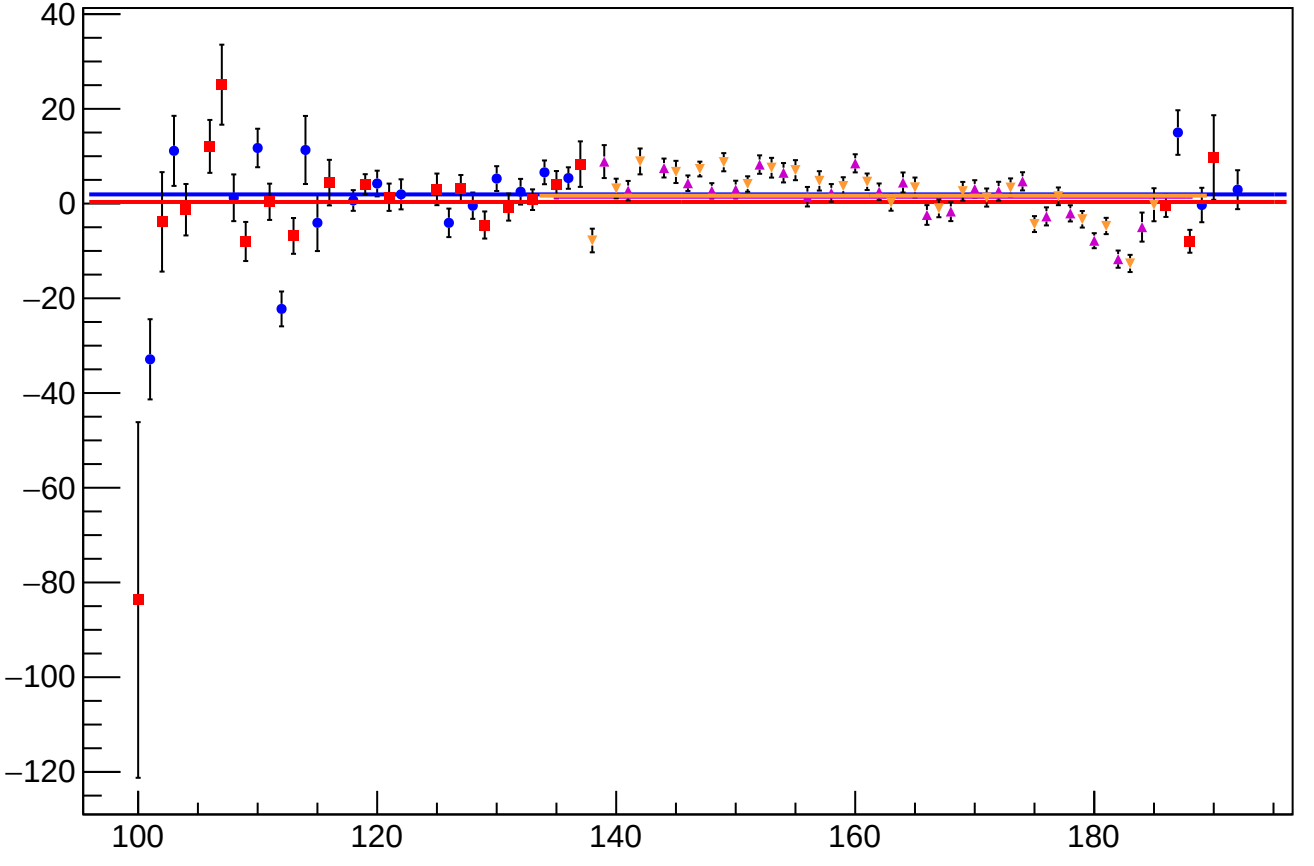
Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -32.612+/-0.370 χ^2/NDF: 7954.1/42

All: -38.567+/-0.252 χ^2/NDF: 23838.4/86

\- sign -43.719+/-0.344 χ^2/NDF: 15401.5/43

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 1.935+/-0.755 χ^2/NDF: 91.6/18

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

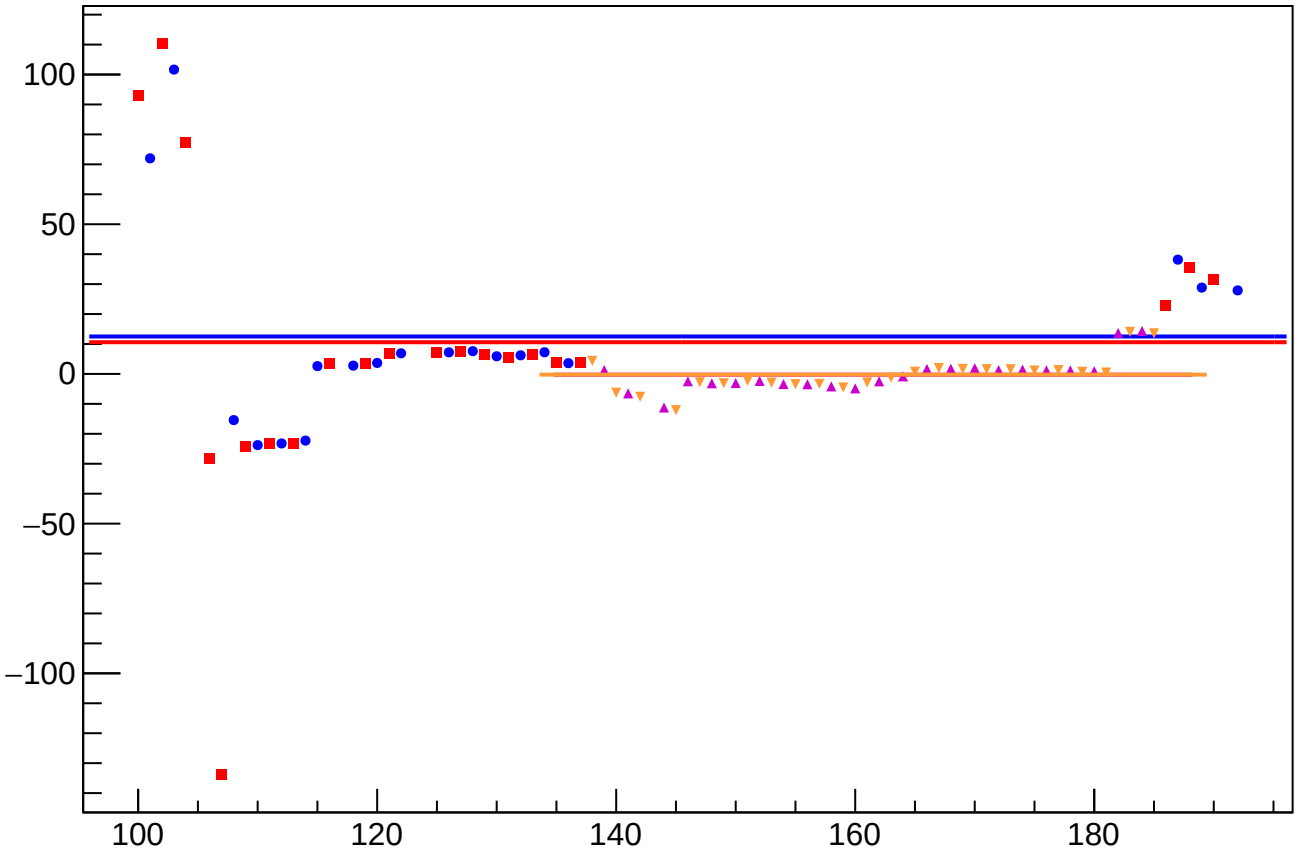
Right Out: 0.337+/-0.733 χ^2/NDF: 51.9/20

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.727+/-0.350 χ^2/NDF: 269.6/42

All: 1.454+/-0.248 χ^2/NDF: 487.3/86

- sign 1.175+/-0.353 χ^2/NDF: 216.4/43



Right In: 12.509+/-0.043 χ^2/NDF: 354597.0/18

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

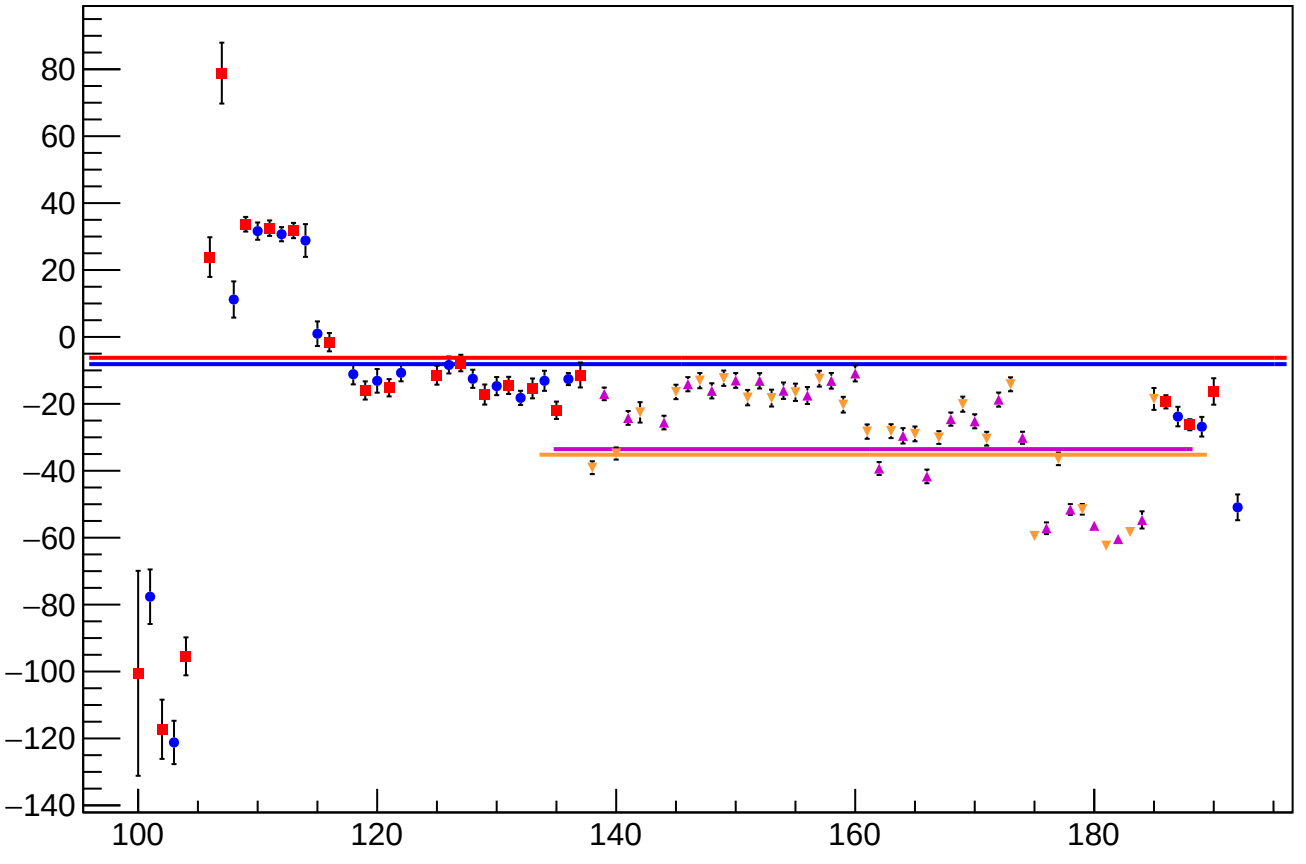
Right Out: 10.588+/-0.045 χ^2/NDF: 509148.9/20

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 1.593+/-0.016 χ^2/NDF: 510180.5/42

All: 1.381+/-0.012 χ^2/NDF: 1141911.9/86

- sign 1.163+/-0.017 χ^2/NDF: 631389.0/43



Right In: -8.132+/-0.663 χ^2/NDF: 1263.2/18

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

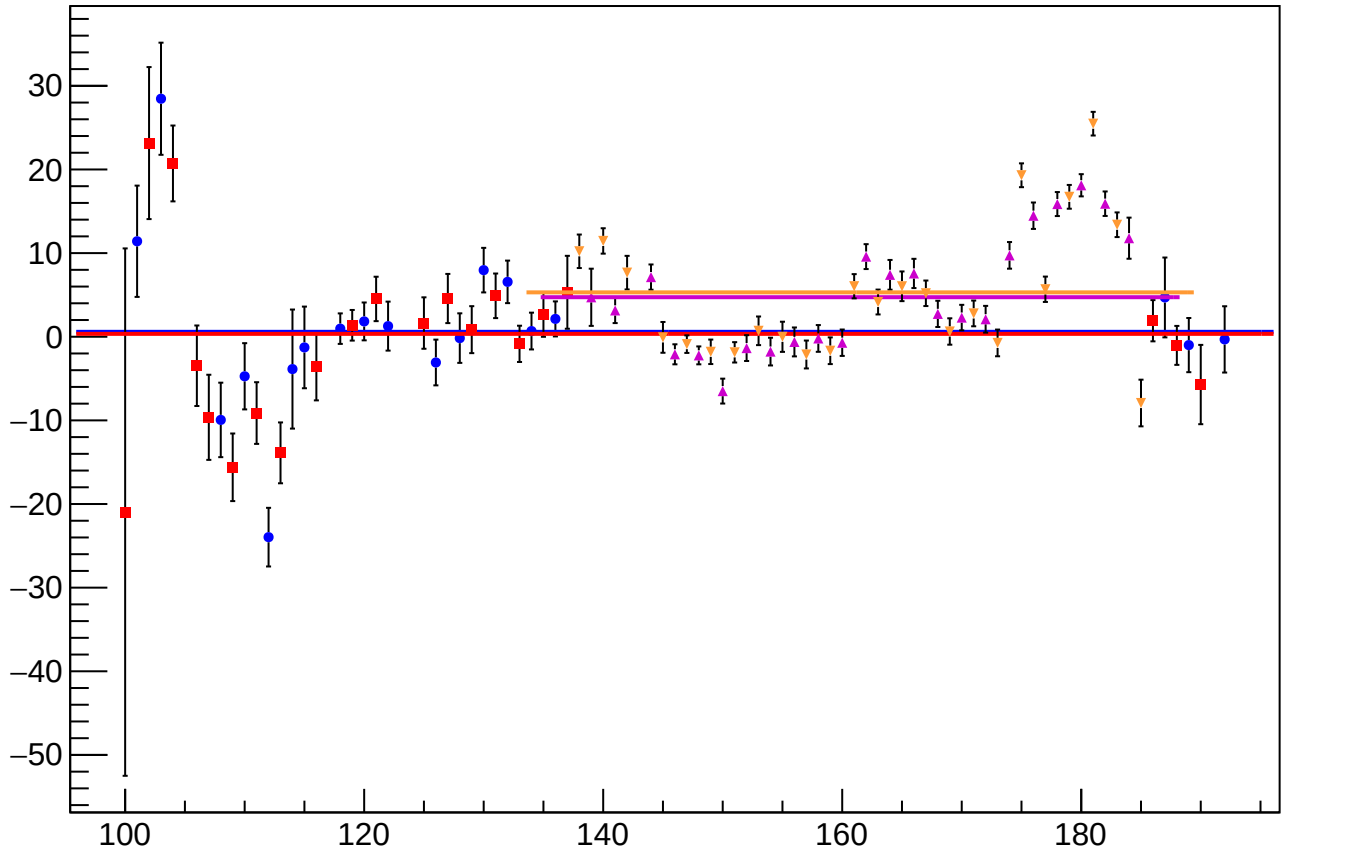
Right Out: -6.238+/-0.612 χ^2/NDF: 1720.3/20

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -27.758+/-0.348 χ^2/NDF: 4323.2/42

All: -26.350+/-0.244 χ^2/NDF: 9245.4/86

- sign -24.979+/-0.343 χ^2/NDF: 4889.8/43



Right In: 0.587+/-0.691 χ^2/NDF: 93.9/18

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

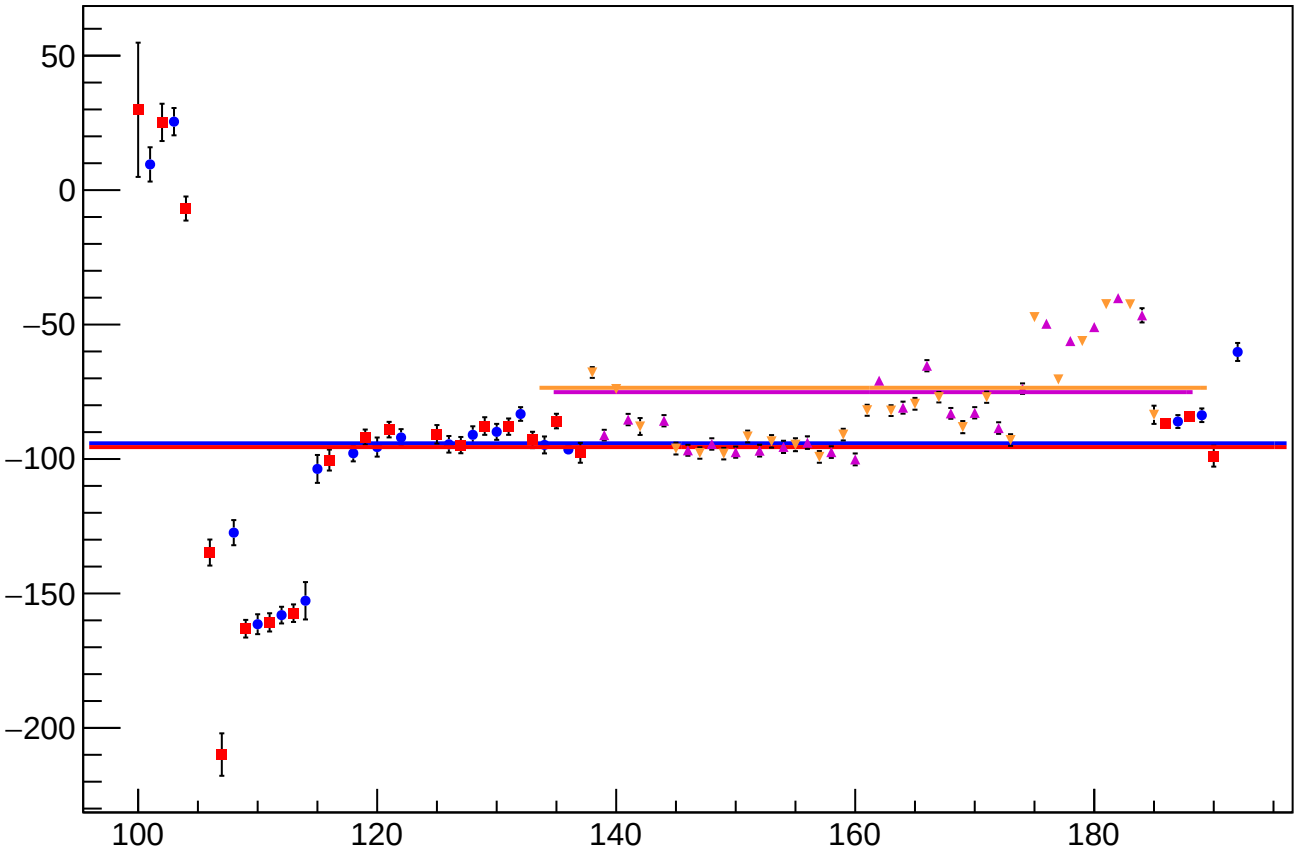
Right Out: 0.345+/-0.682 χ^2/NDF: 82.6/20

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.495+/-0.287 χ^2/NDF: 756.9/42

All: 4.217+/-0.204 χ^2/NDF: 1371.1/86

- sign 3.932+/-0.291 χ^2/NDF: 612.3/43



Right In: -94.163+/-0.719 χ^2/NDF: 1855.5/18

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

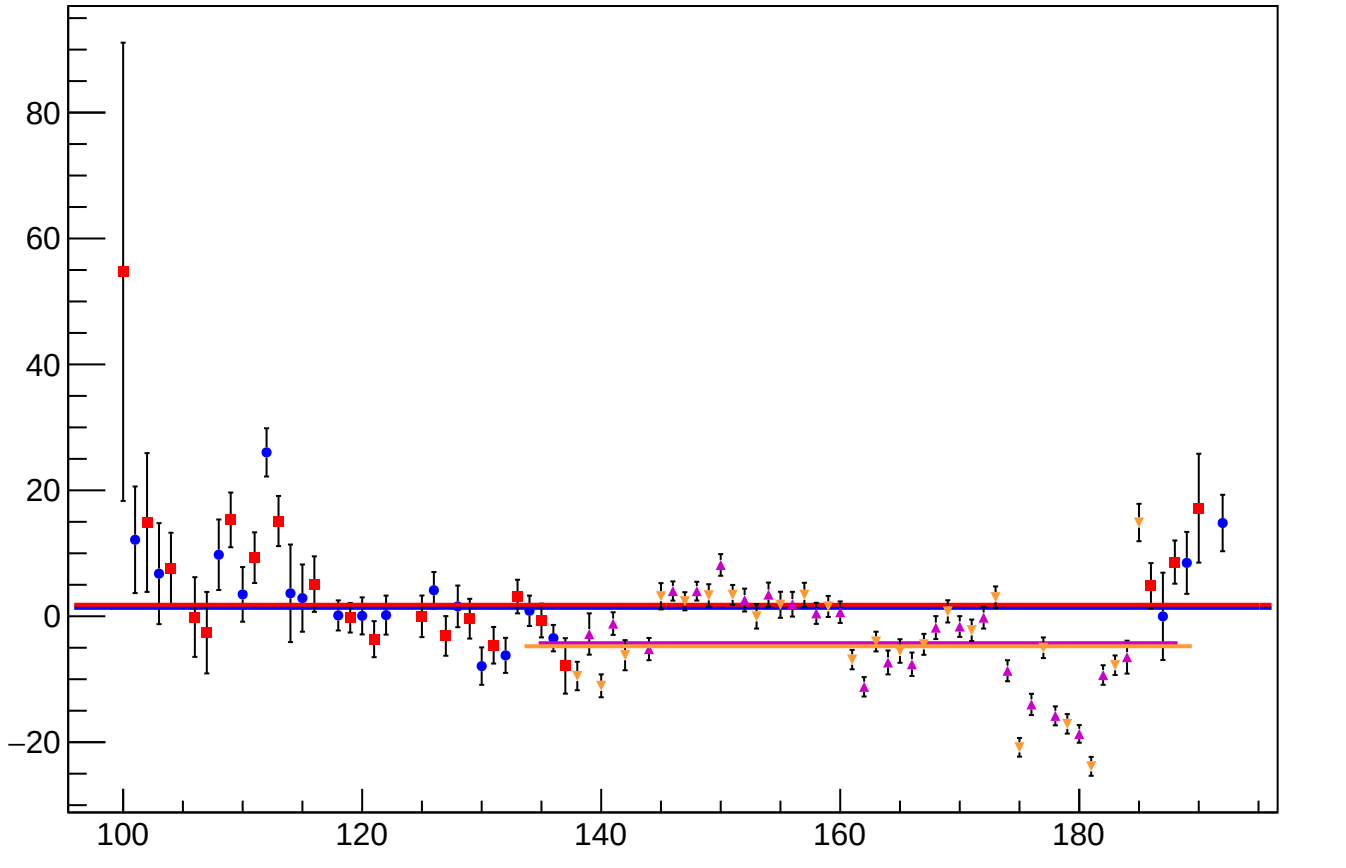
Right Out: -95.571+/-0.638 χ^2/NDF: 2287.7/20

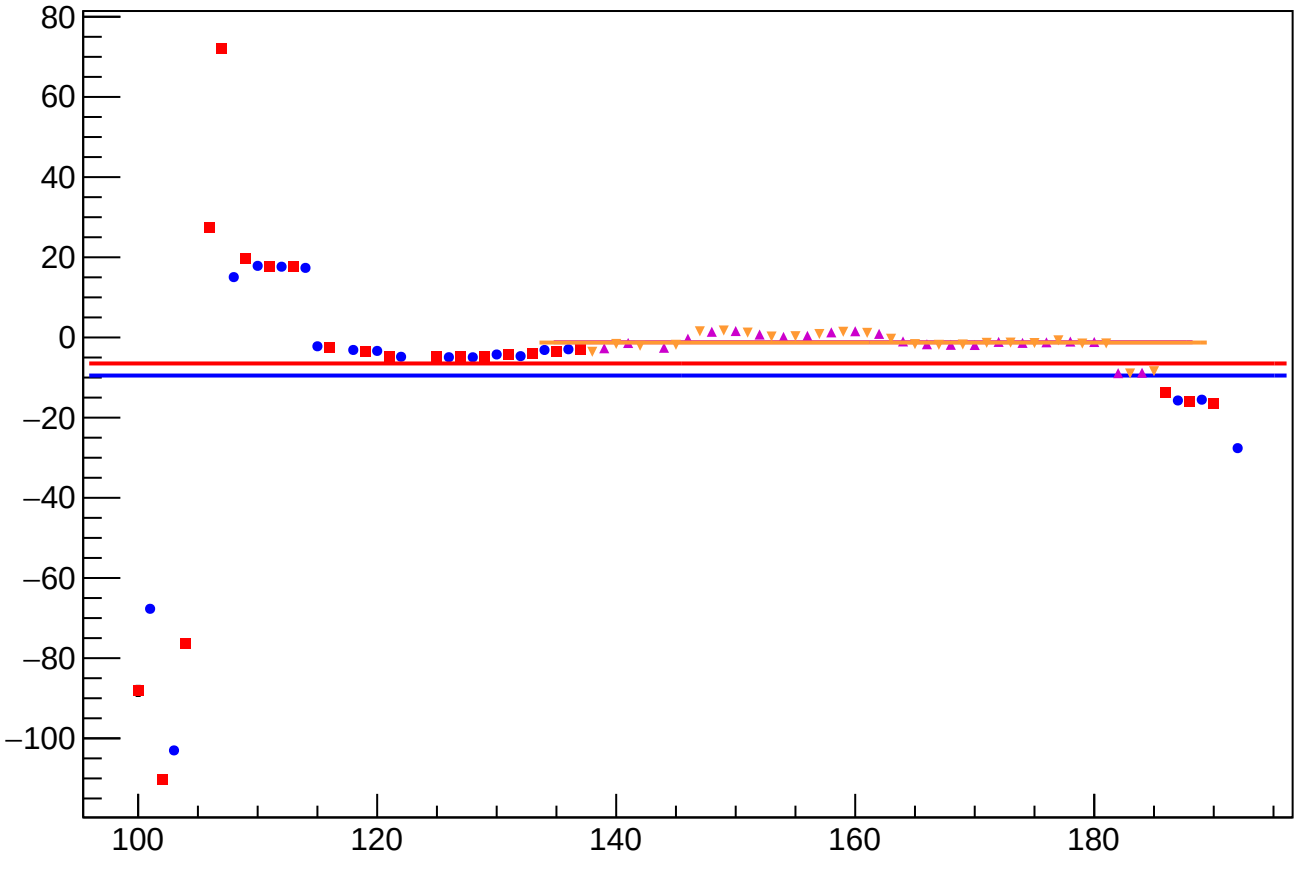
Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

+ sign -78.484+/-0.353 χ^2/NDF: 4873.5/42

All: -79.824+/-0.247 χ^2/NDF: 10277.0/86

- sign -81.102+/-0.345 χ^2/NDF: 5375.4/43


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug
80
60
40
20
0
−20
100
120
140
160
180
Right In: 1.343+/-0.792 χ²/NDF: 81.4/18
Left Out: -4.762+/-0.355 χ²/NDF:576.9/23
Right Out: 1.830+/-0.806 χ²/NDF: 56.1/20
Left In: -4.278+/-0.361 χ²/NDF:424.1/22
+ sign -3.742+/-0.324 χ²/NDF: 707.8/42
All: -3.504+/-0.231 χ²/NDF: 1237.0/86
- sign -3.258+/-0.329 χ²/NDF: 528.1/43



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

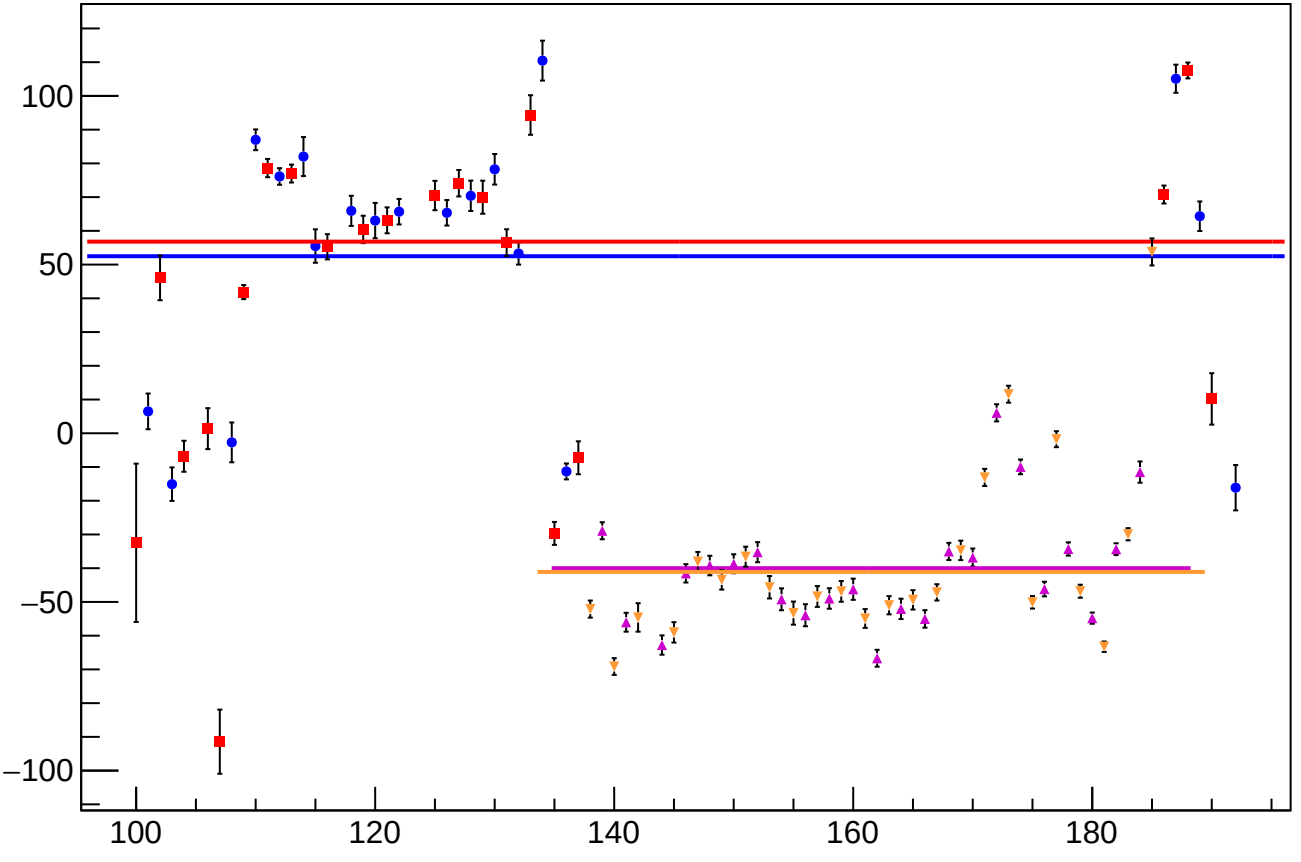
Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -2.197+/-0.015 χ^2/NDF: 340935.2/42

All: -1.950+/-0.011 χ^2/NDF: 722798.8/86

- sign -1.697+/-0.015 χ^2/NDF: 381312.1/43

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 52.479+/-0.911 χ^2/NDF: 1778.5/18

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

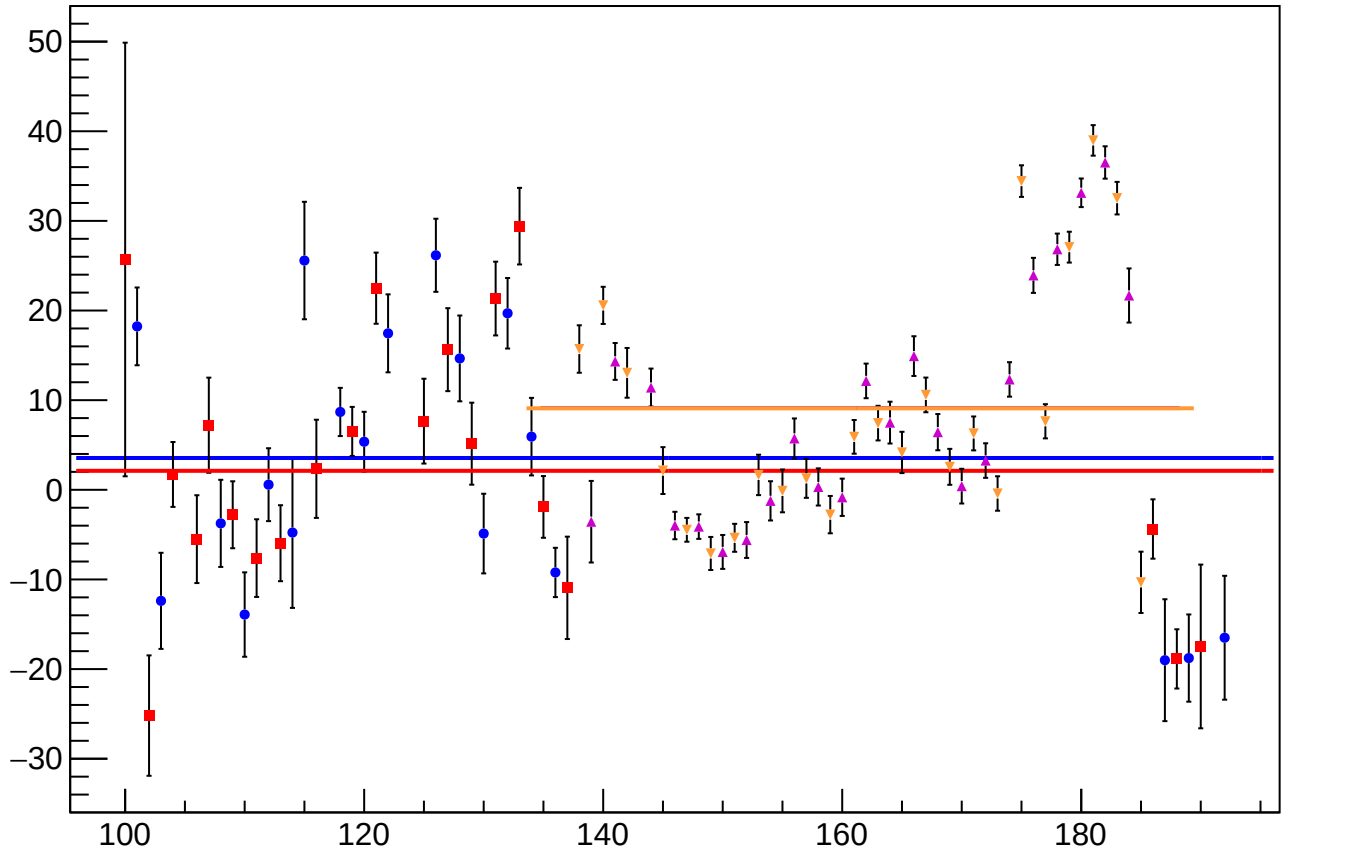
Right Out: 56.808+/-0.807 χ^2/NDF: 2138.5/20

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

+ sign -18.279+/-0.450 χ^2/NDF: 11704.1/42

All: -14.695+/-0.314 χ^2/NDF: 25116.0/86

- sign -11.273+/-0.440 χ^2/NDF: 13287.9/43



Right In: 3.550+/-0.979 χ^2/NDF: 182.2/18

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

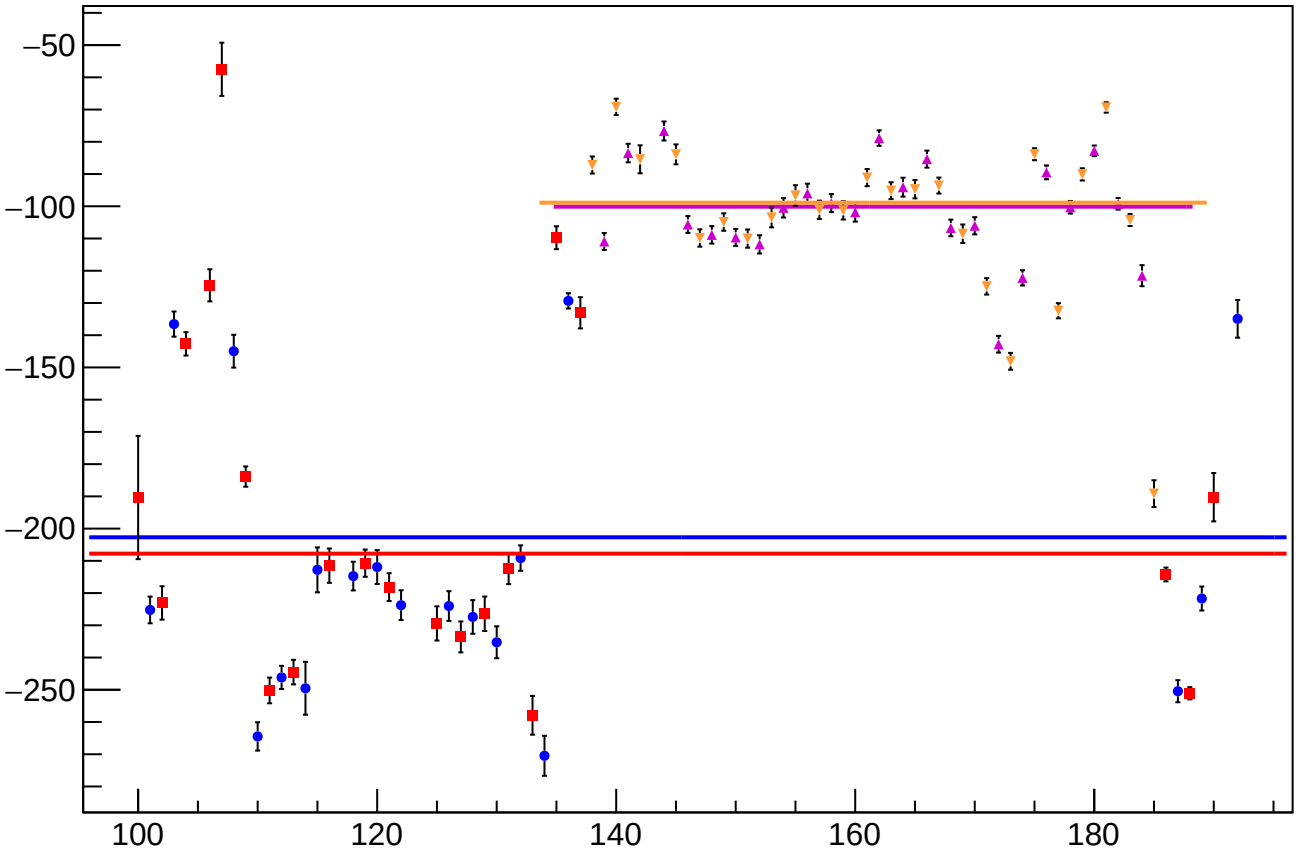
Right Out: 2.119+/-0.932 χ^2/NDF: 188.5/20

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 8.296+/-0.371 χ^2/NDF: 1463.4/42

All: 8.145+/-0.264 χ^2/NDF: 2751.3/86

- sign 7.991+/-0.375 χ^2/NDF: 1287.6/43



Right In: -202.693+/-0.981 χ^2/NDF: 2371.0/18

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

Right Out: -207.766+/-0.853 χ^2/NDF: 2877.6/20

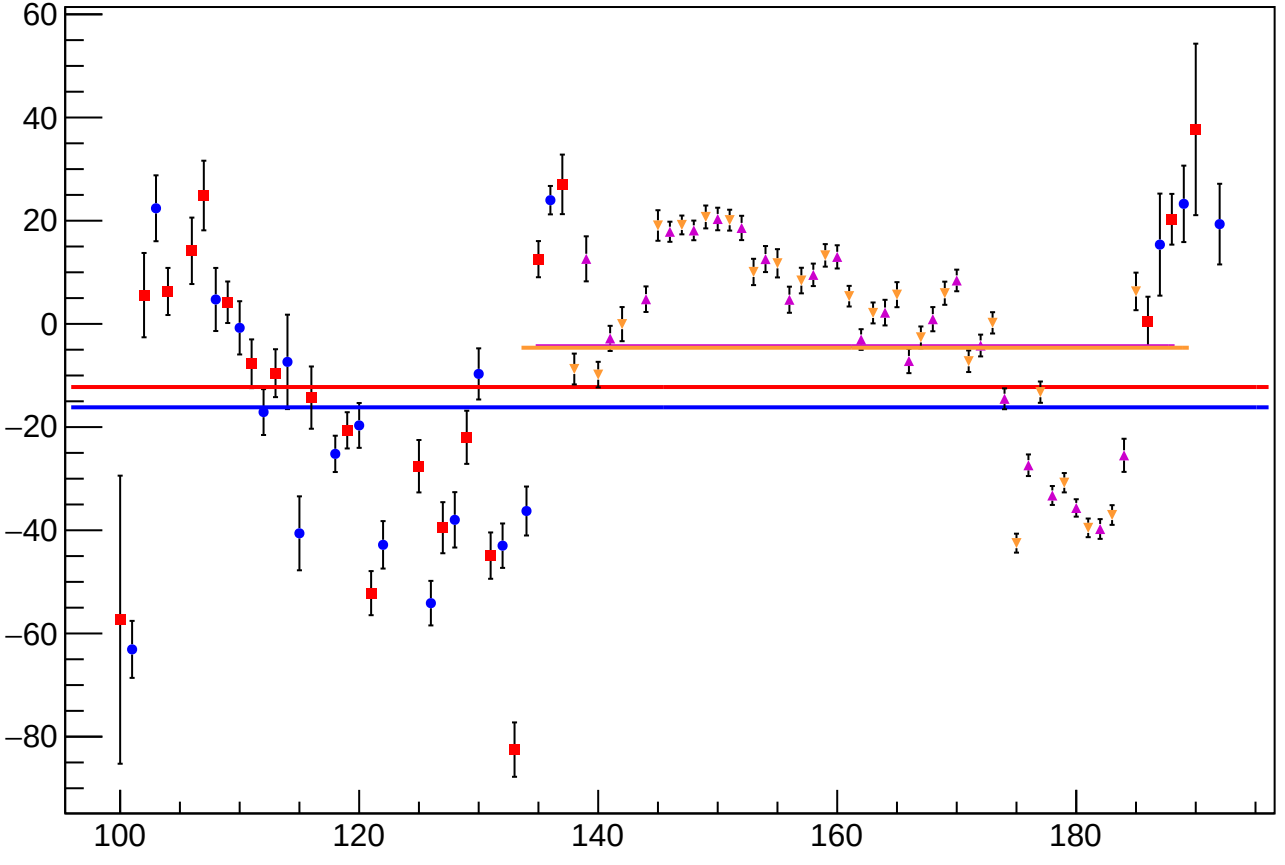
Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -121.246+/-0.455 χ^2/NDF: 12977.5/42

All: -125.363+/-0.318 χ^2/NDF: 28438.6/86

- sign -129.278+/-0.444 χ^2/NDF: 15301.6/43

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -16.167+/-1.126 χ^2/NDF: 606.6/18

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

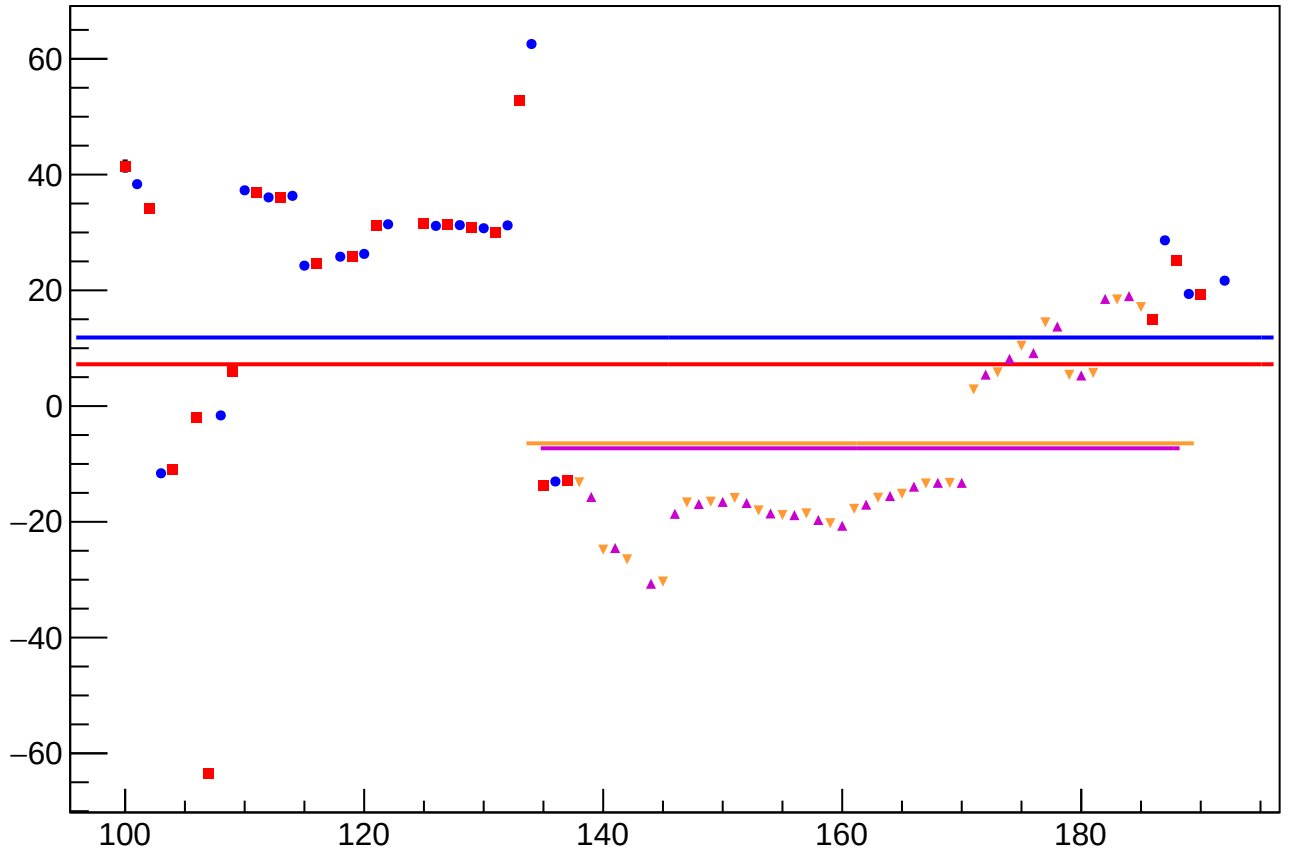
Right Out: -12.236+/-1.099 χ^2/NDF: 611.7/20

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -6.217+/-0.419 χ^2/NDF: 2775.6/42

All: -5.863+/-0.298 χ^2/NDF: 5287.0/86

- sign -5.502+/-0.423 χ^2/NDF: 2510.0/43



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

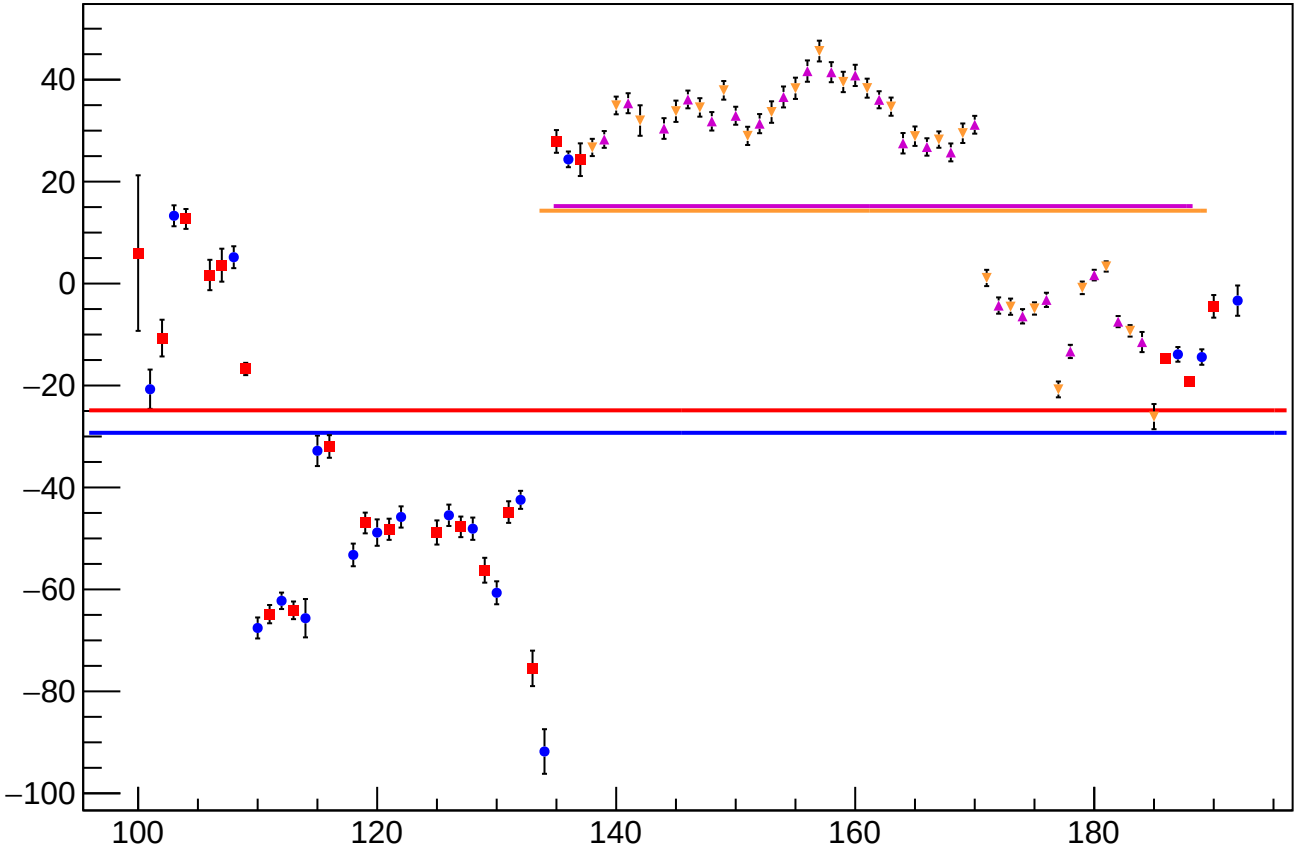
Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

\+ sign -4.550+/-0.019 χ^2/NDF: 749596.0/42

All: -5.177+/-0.014 χ^2/NDF: 1454103.1/86

\- sign -5.812+/-0.019 χ^2/NDF: 702343.8/43

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -29.279+/-0.479 χ^2/NDF: 3870.6/18

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

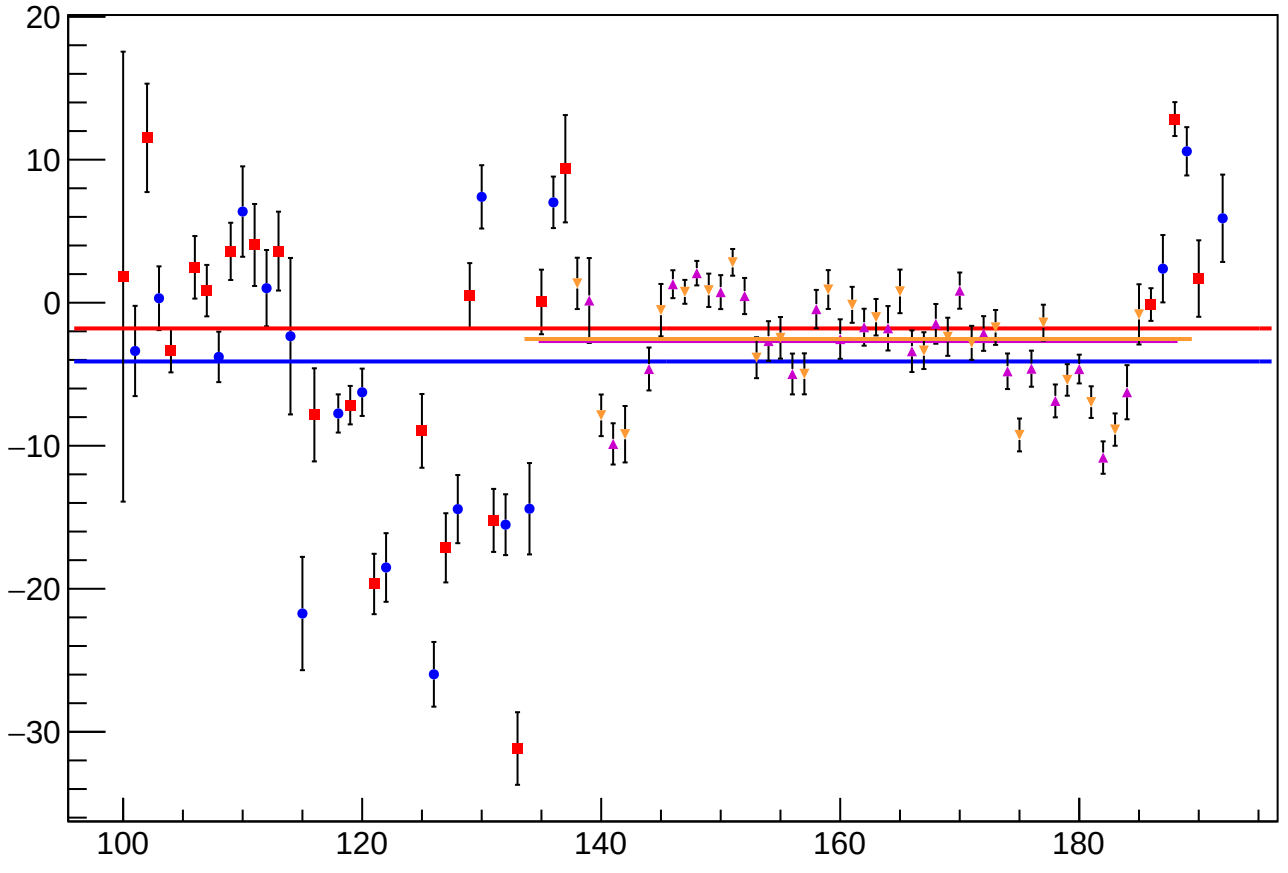
Right Out: -24.870+/-0.392 χ^2/NDF: 3597.4/20

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -0.034+/-0.275 χ^2/NDF: 13153.7/42

All: -1.064+/-0.188 χ^2/NDF: 26150.9/86

- sign -1.964+/-0.257 χ^2/NDF: 12970.8/43



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

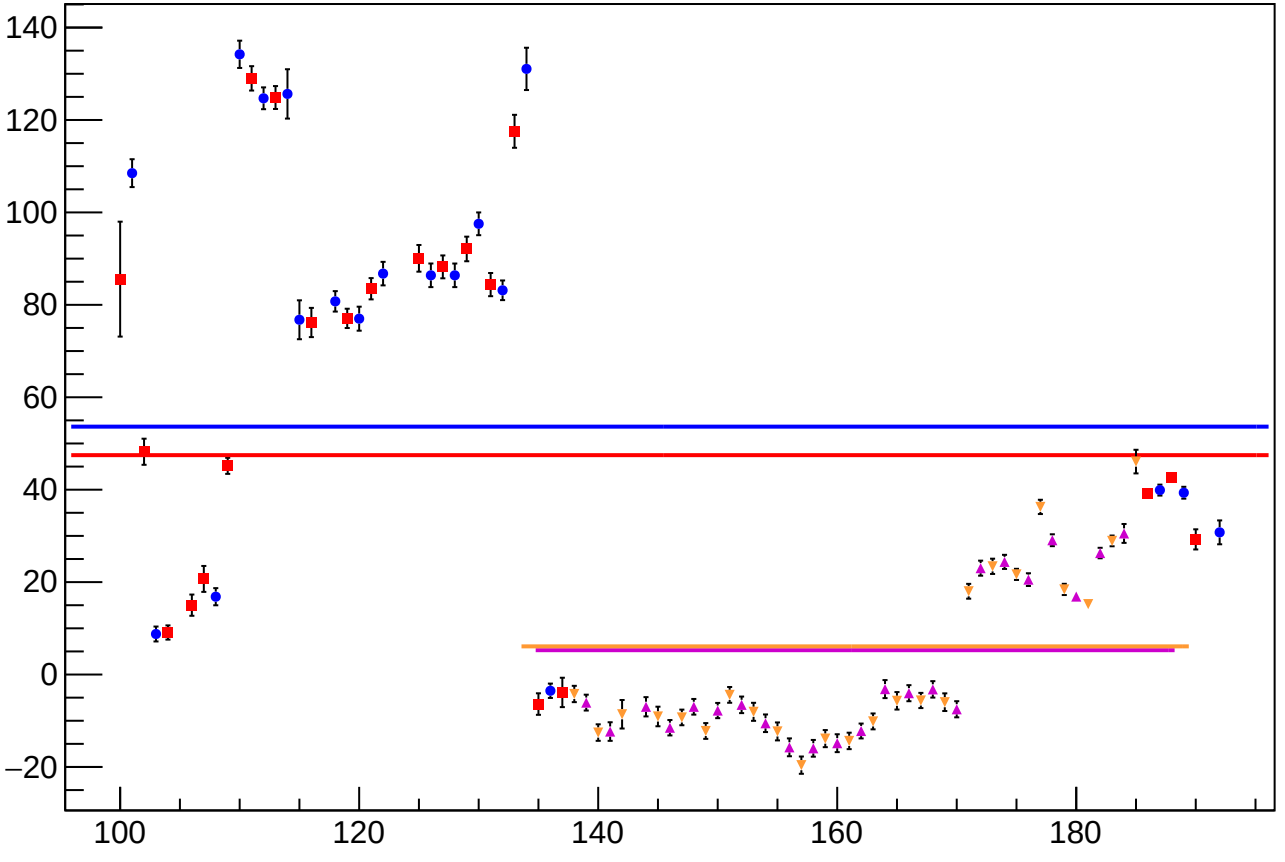
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -2.863+/-0.231 χ^2/NDF: 600.5/42

All: -2.652+/-0.162 χ^2/NDF: 1298.7/86

- sign -2.447+/-0.227 χ^2/NDF: 696.5/43

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



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

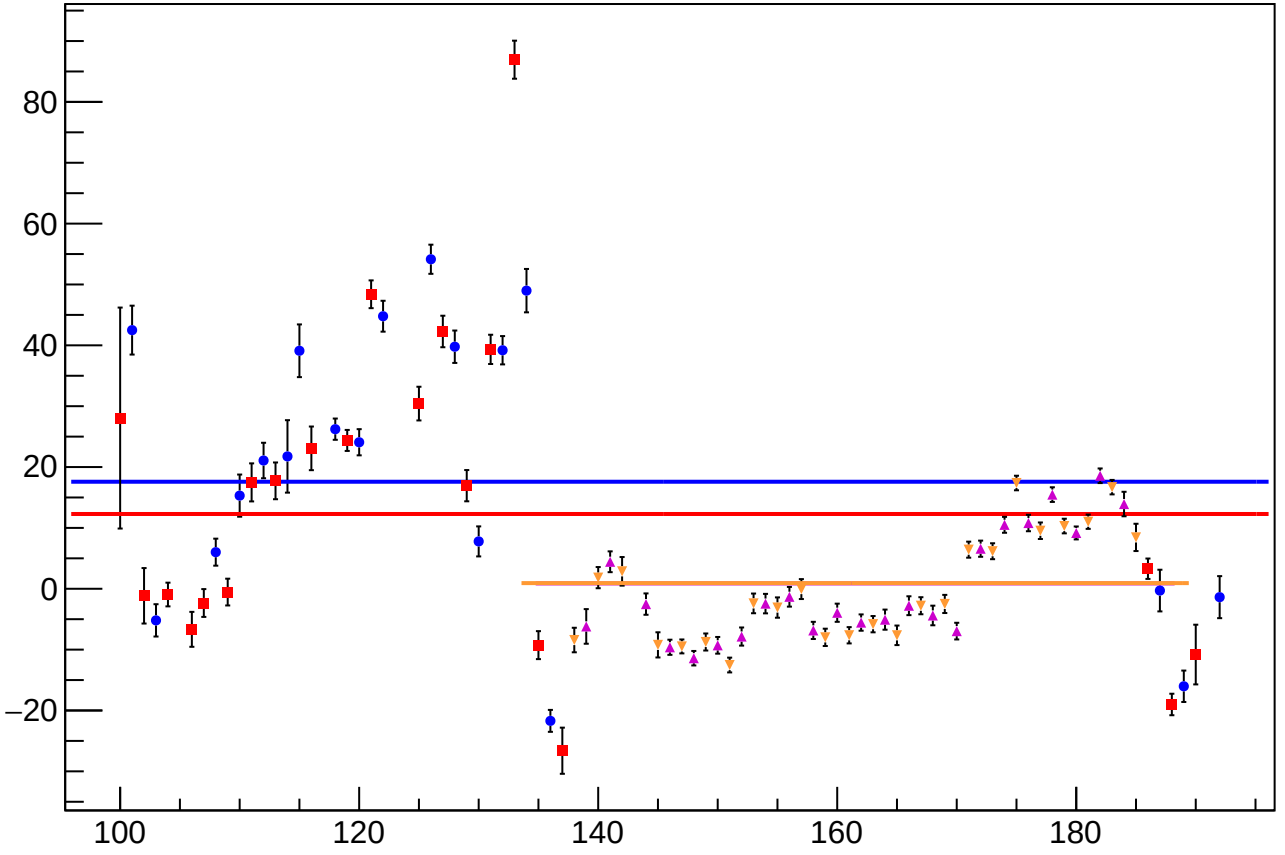
Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 21.440+/-0.274 χ^2/NDF: 15932.2/42

All: 22.898+/-0.185 χ^2/NDF: 31251.8/86

- sign 24.116+/-0.250 χ^2/NDF: 15267.6/43

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 17.587+/-0.602 χ^2/NDF: 1499.7/18

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

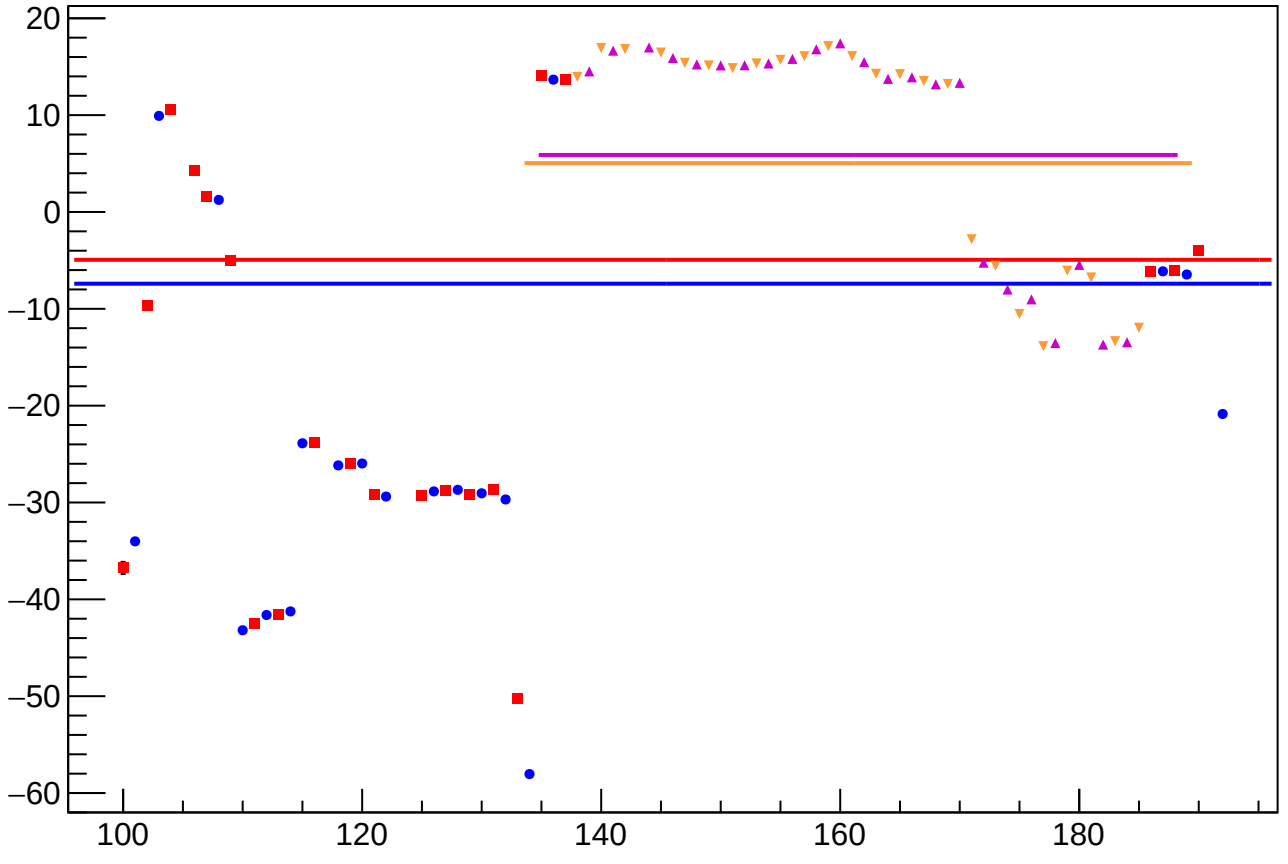
Right Out: 12.287+/-0.548 χ^2/NDF: 1924.0/20

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 4.098+/-0.263 χ^2/NDF: 3161.4/42

All: 3.785+/-0.185 χ^2/NDF: 6429.6/86

- sign 3.475+/-0.261 χ^2/NDF: 3265.3/43



Right In: -7.407+/-0.030 χ^2/NDF: 426866.5/18

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

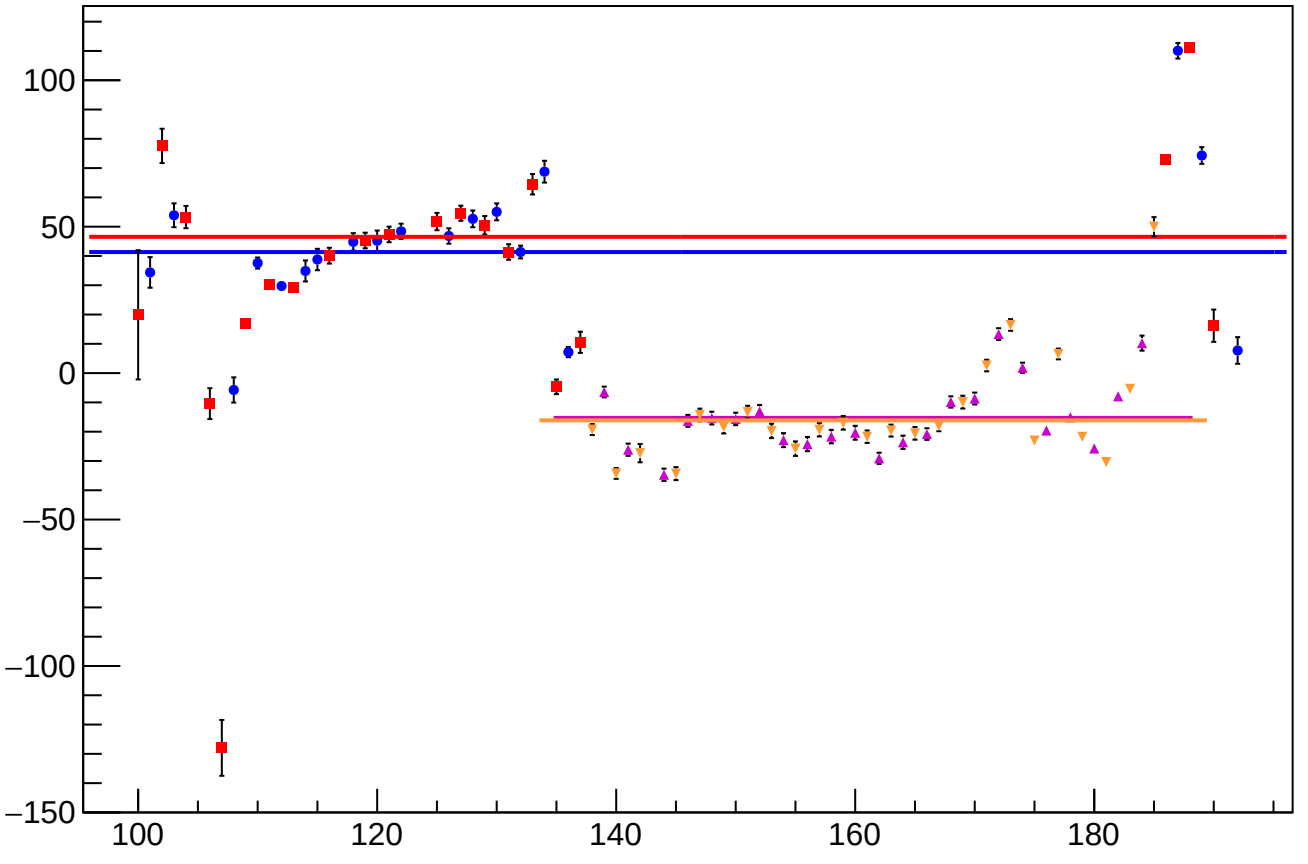
Right Out: -4.938+/-0.030 χ^2/NDF: 307005.1/20

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 3.100+/-0.012 χ^2/NDF: 1424167.4/42

All: 3.618+/-0.008 χ^2/NDF: 2690660.0/86

- sign 4.139+/-0.012 χ^2/NDF: 1262751.4/43



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

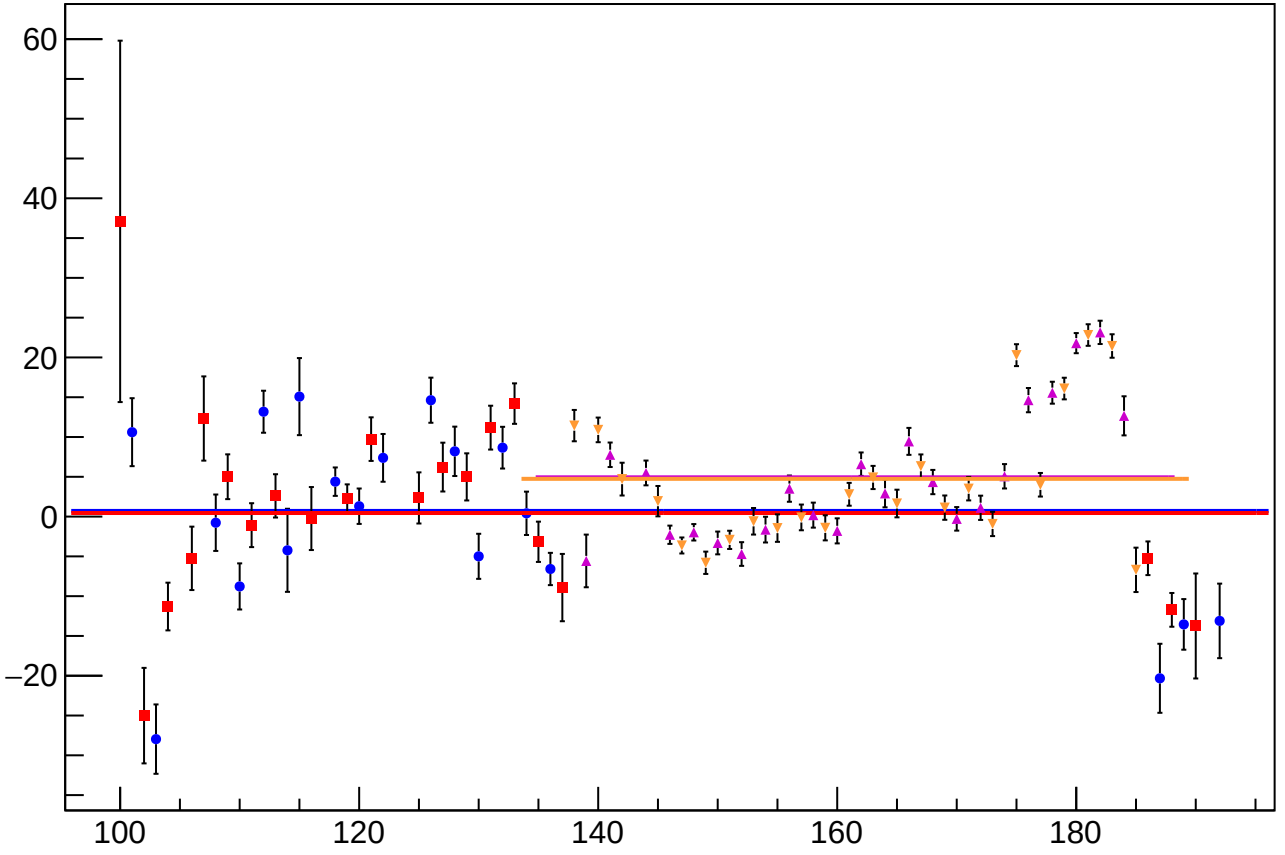
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

\+ sign 0.773+/-0.334 χ^2/NDF: 9039.5/42

All: 3.666+/-0.233 χ^2/NDF: 21919.4/86

\- sign 6.398+/-0.325 χ^2/NDF: 12734.3/43

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



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

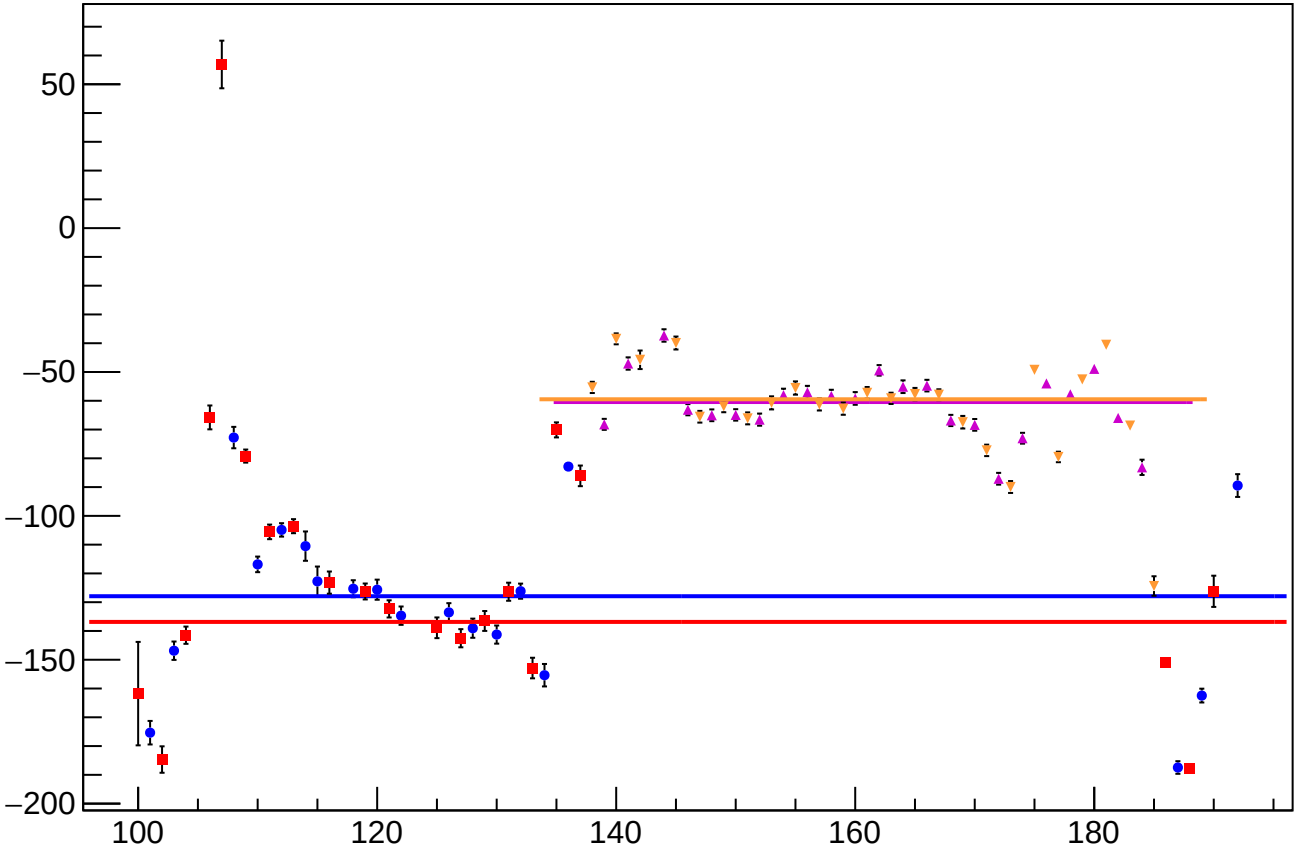
Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 4.046+/-0.279 χ^2/NDF: 1033.0/42

All: 4.060+/-0.198 χ^2/NDF: 1922.2/86

- sign 4.074+/-0.281 χ^2/NDF: 889.2/43

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -127.921+/-0.675 χ^2/NDF: 2306.0/18

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

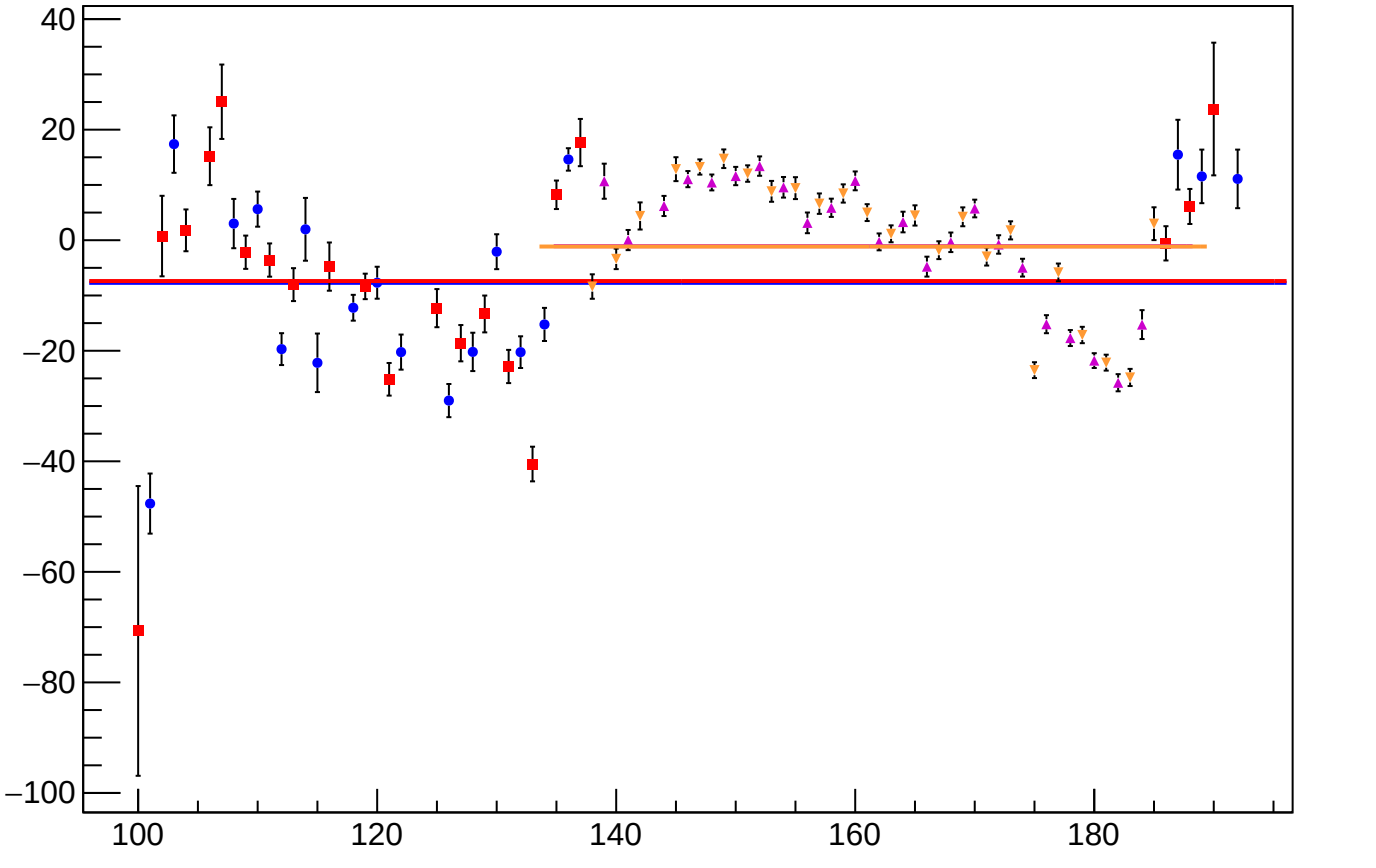
Right Out: -136.852+/-0.581 χ^2/NDF: 4705.0/20

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -76.916+/-0.341 χ^2/NDF: 11329.6/42

All: -81.093+/-0.237 χ^2/NDF: 28747.1/86

\- sign -84.985+/-0.329 χ^2/NDF: 17127.5/43



Right In: -7.710+/-0.771 χ^2/NDF: 402.6/18

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

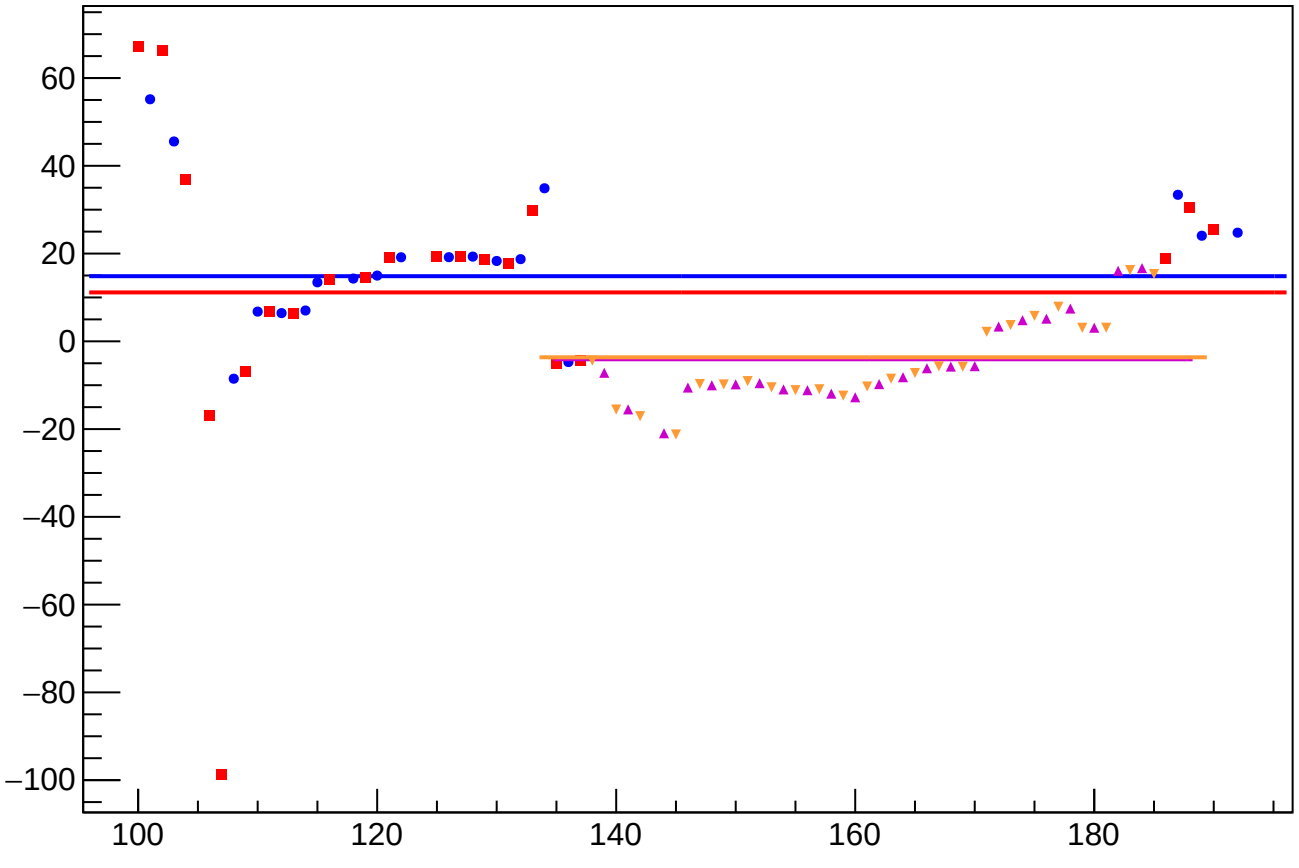
Right Out: -7.387+/-0.760 χ^2/NDF: 351.8/20

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

\+ sign -2.243+/-0.315 χ^2/NDF: 1766.0/42

All: -2.220+/-0.224 χ^2/NDF: 3331.9/86

\- sign -2.196+/-0.319 χ^2/NDF: 1565.9/43



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

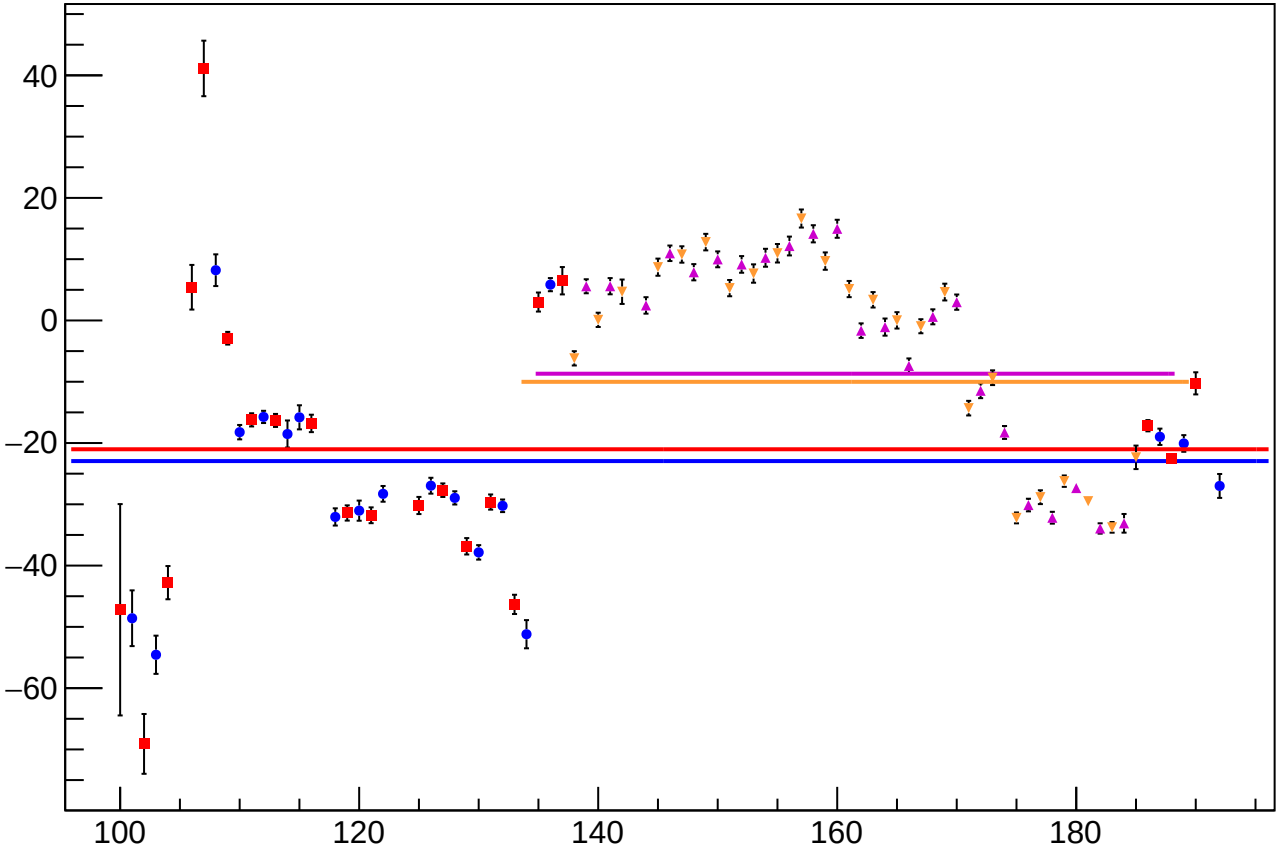
Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

\+ sign -1.485+/-0.015 χ^2/NDF: 705453.3/42

All: -1.949+/-0.010 χ^2/NDF: 1456134.9/86

\- sign -2.422+/-0.015 χ^2/NDF: 748617.9/43

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -22.946+/-0.324 χ^2/NDF: 1586.5/18

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

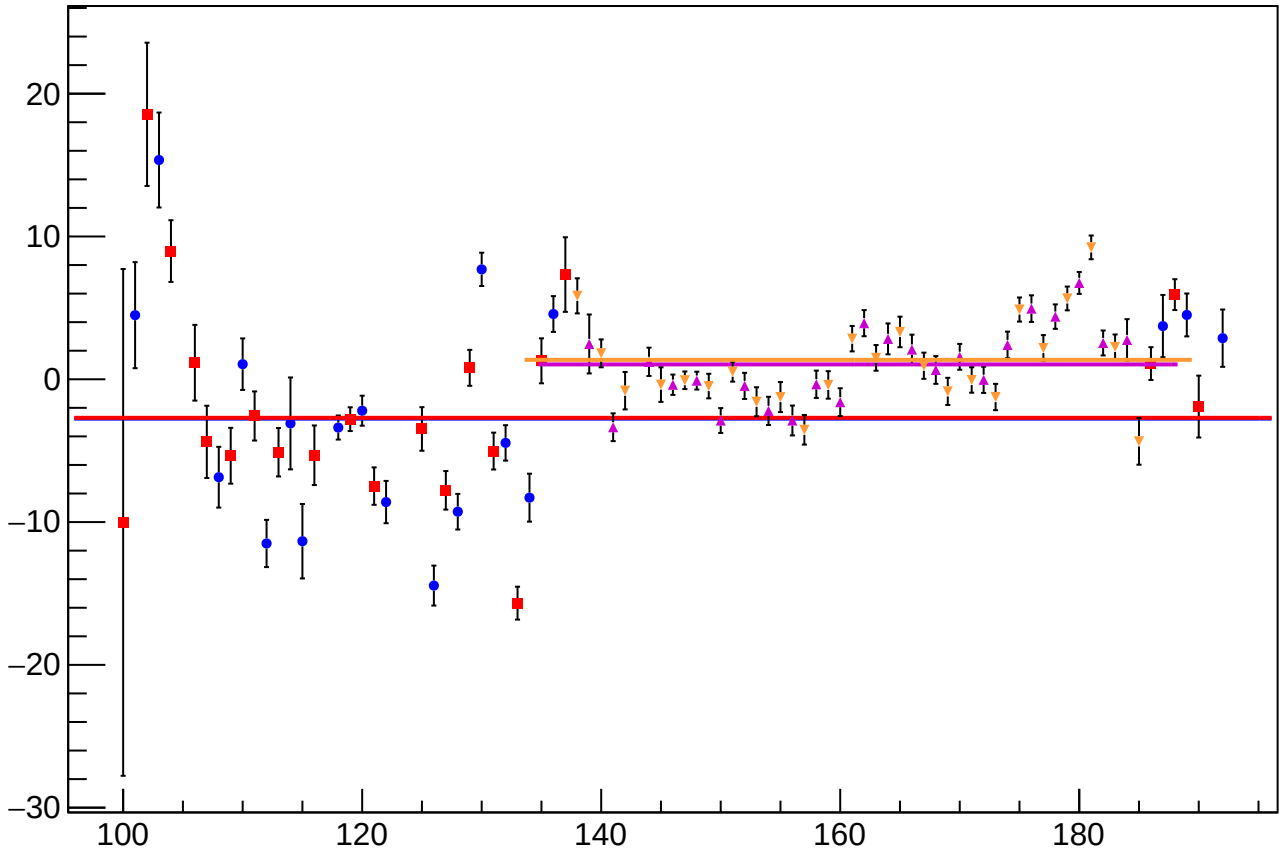
Right Out: -21.018+/-0.295 χ^2/NDF: 1873.7/20

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -14.697+/-0.195 χ^2/NDF: 7578.8/42

All: -14.225+/-0.136 χ^2/NDF: 15508.4/86

- sign -13.778+/-0.190 χ^2/NDF: 7918.1/43



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

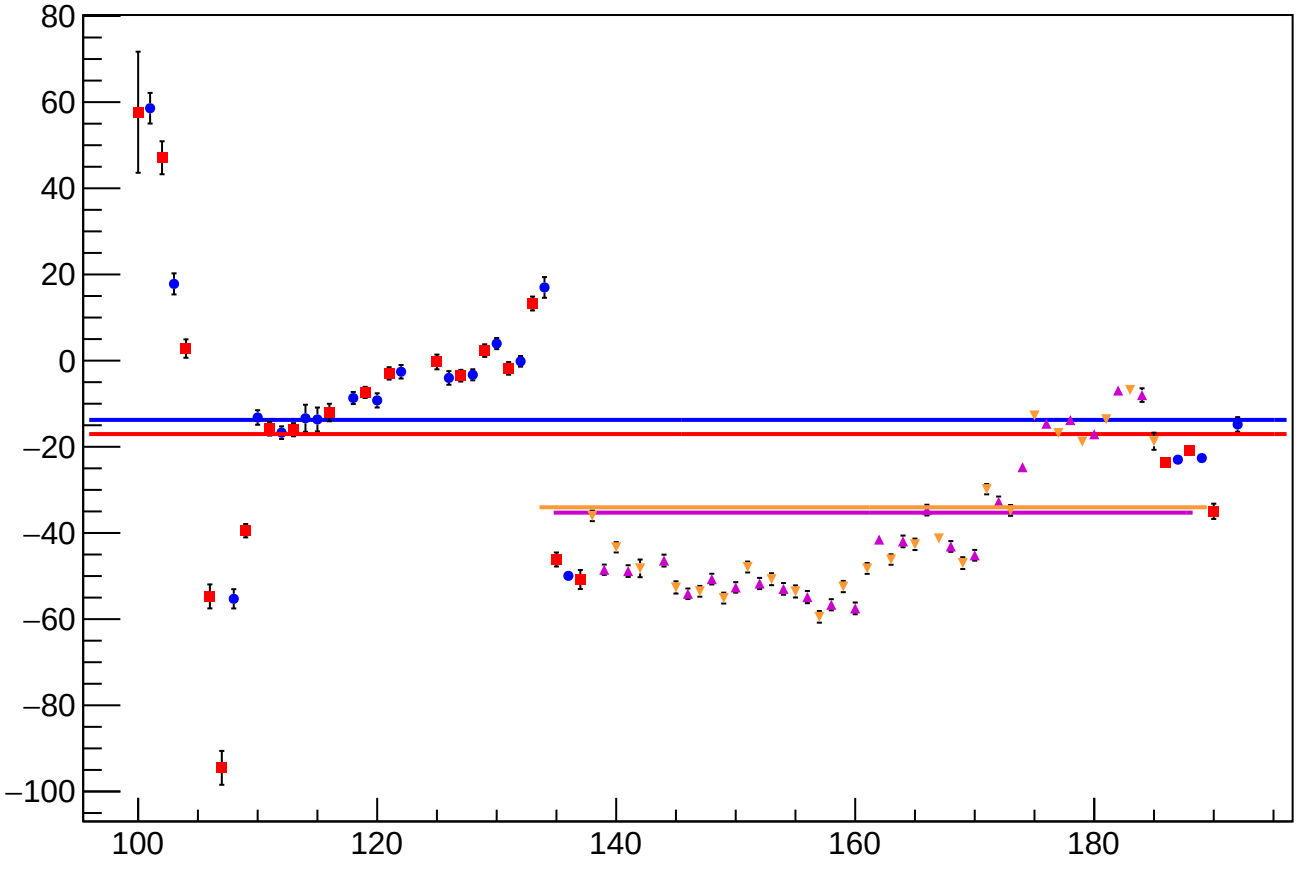
Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.407+/-0.165 χ^2/NDF: 712.6/42

All: 0.254+/-0.117 χ^2/NDF: 1322.8/86

- sign 0.098+/-0.166 χ^2/NDF: 608.4/43

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -13.753+/-0.354 χ^2/NDF: 2825.7/18

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

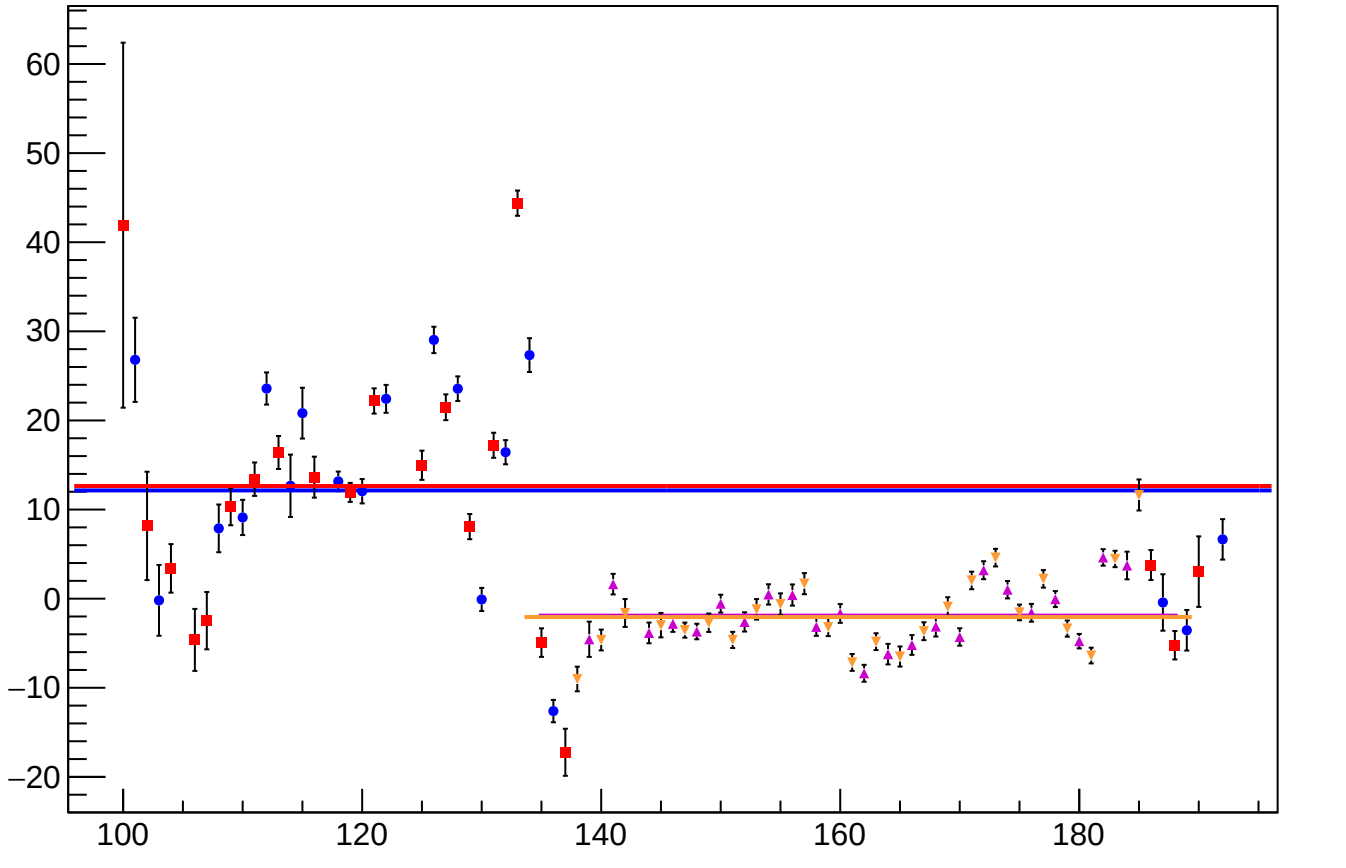
Right Out: -17.045+/-0.307 χ^2/NDF: 2946.1/20

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

+ sign -27.550+/-0.200 χ^2/NDF: 10027.9/42

All: -27.878+/-0.138 χ^2/NDF: 20128.8/86

- sign -28.179+/-0.192 χ^2/NDF: 10095.8/43



Right In: 12.146+/-0.398 χ^2/NDF: 937.4/18

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

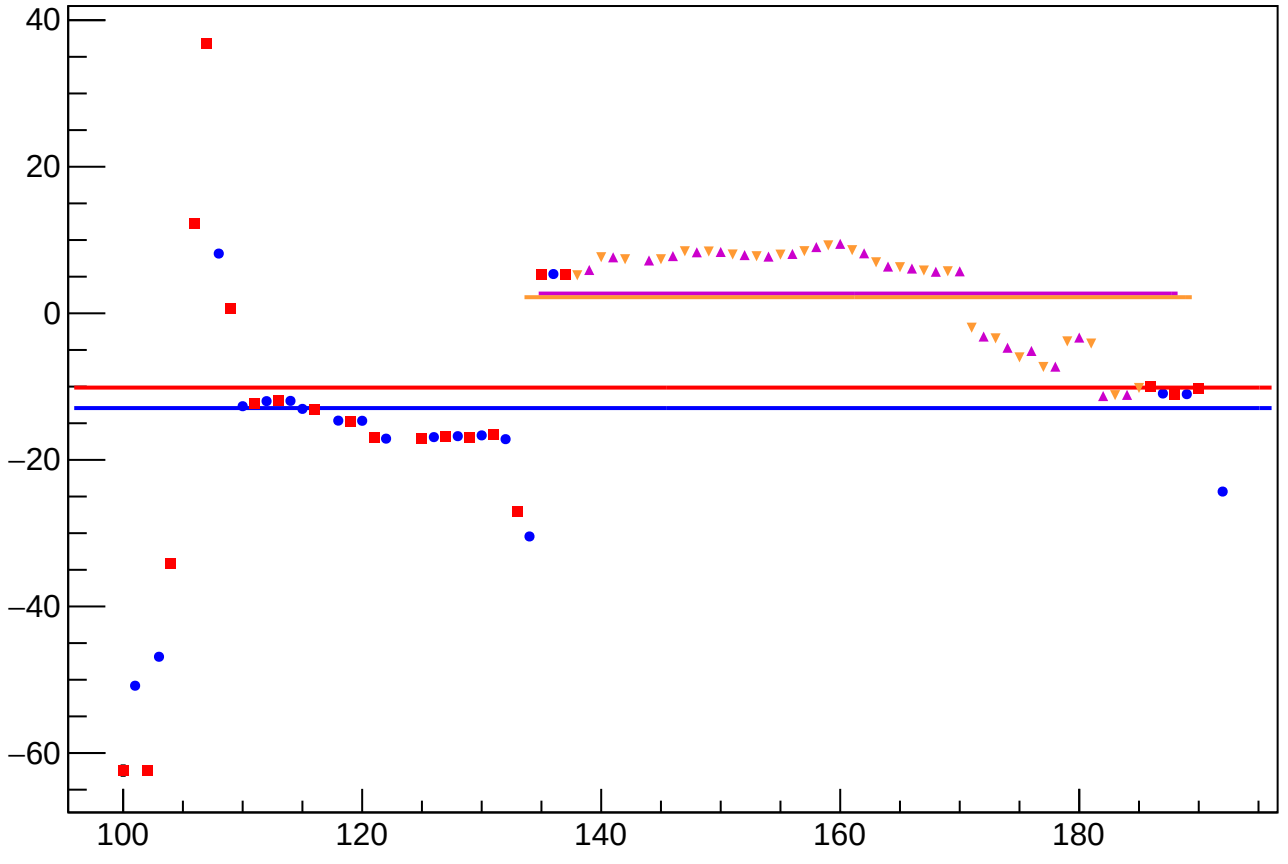
Right Out: 12.641+/-0.395 χ^2/NDF: 1083.0/20

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

+ sign 1.079+/-0.187 χ^2/NDF: 2260.6/42

All: 1.262+/-0.133 χ^2/NDF: 4611.4/86

- sign 1.449+/-0.190 χ^2/NDF: 2348.9/43



Right In: -12.930+/-0.024 χ^2/NDF: 388777.7/18

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

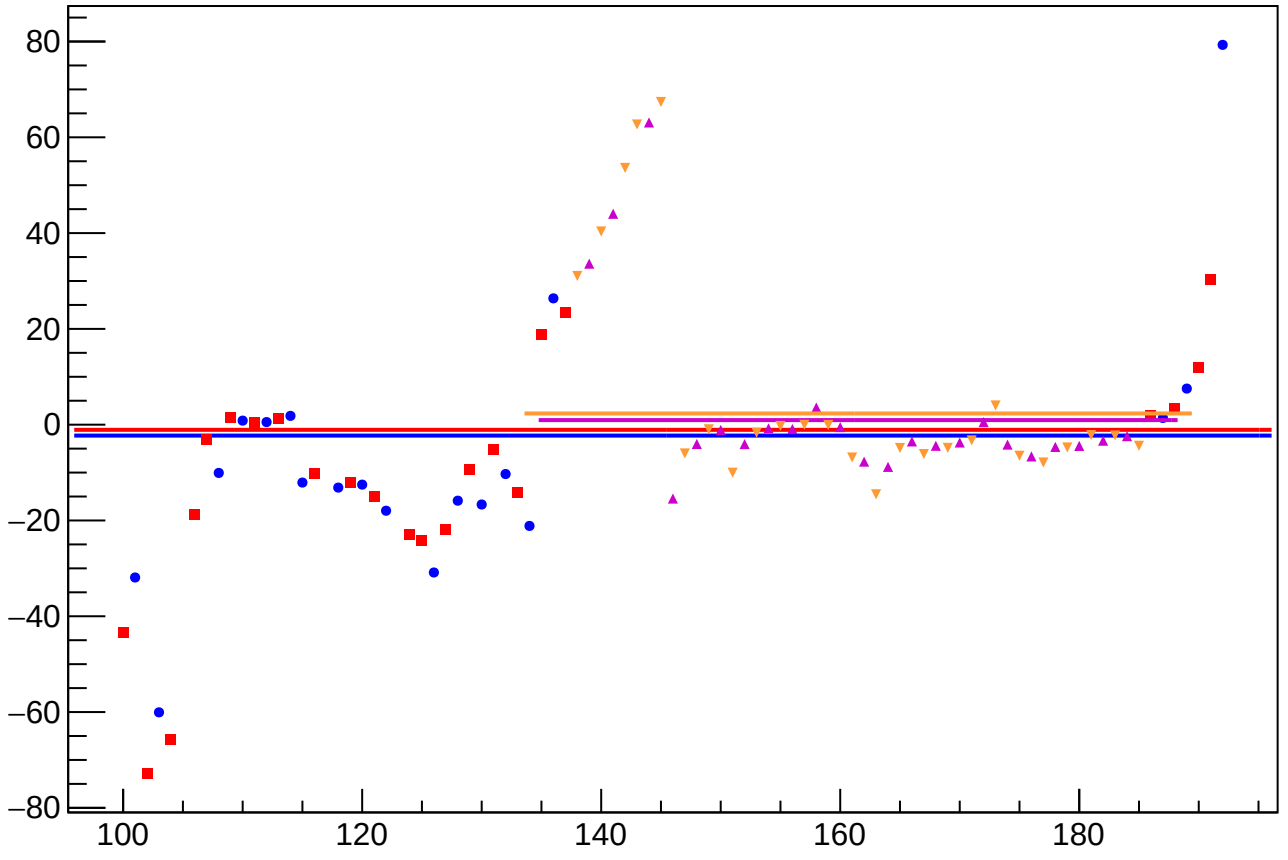
Right Out: -10.135+/-0.025 χ^2/NDF: 396465.1/20

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

+ sign 0.102+/-0.009 χ^2/NDF: 1249028.5/42

All: 0.563+/-0.006 χ^2/NDF: 2383252.9/86

- sign 1.034+/-0.009 χ^2/NDF: 1128694.1/43



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

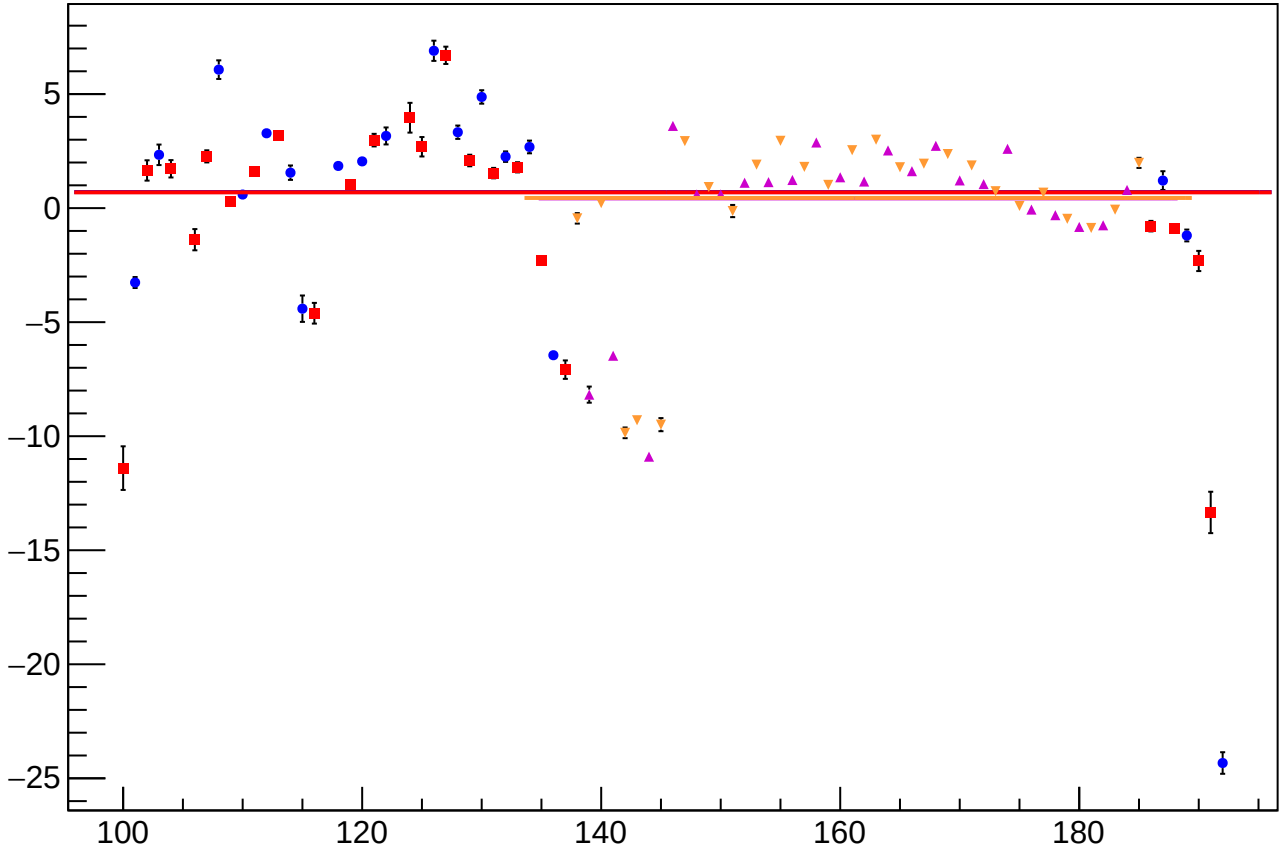
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 0.599+/-0.032 χ^2/NDF: 291774.6/43

All: 0.250+/-0.021 χ^2/NDF: 511885.5/89

- sign -0.032+/-0.029 χ^2/NDF: 219892.6/45

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



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

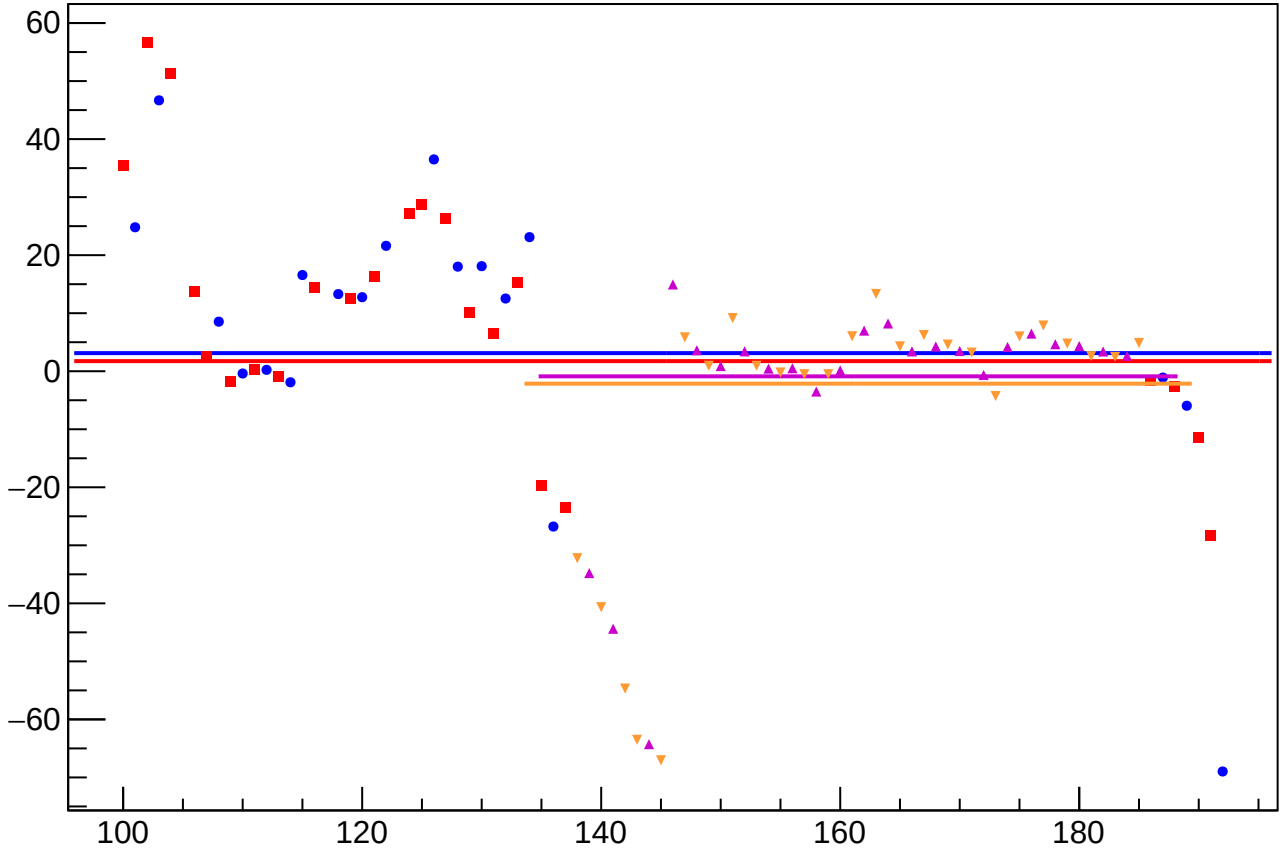
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.509+/-0.029 χ^2/NDF: 12568.2/43

All: 0.504+/-0.020 χ^2/NDF: 21760.7/89

- sign 0.499+/-0.027 χ^2/NDF: 9192.4/45

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



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

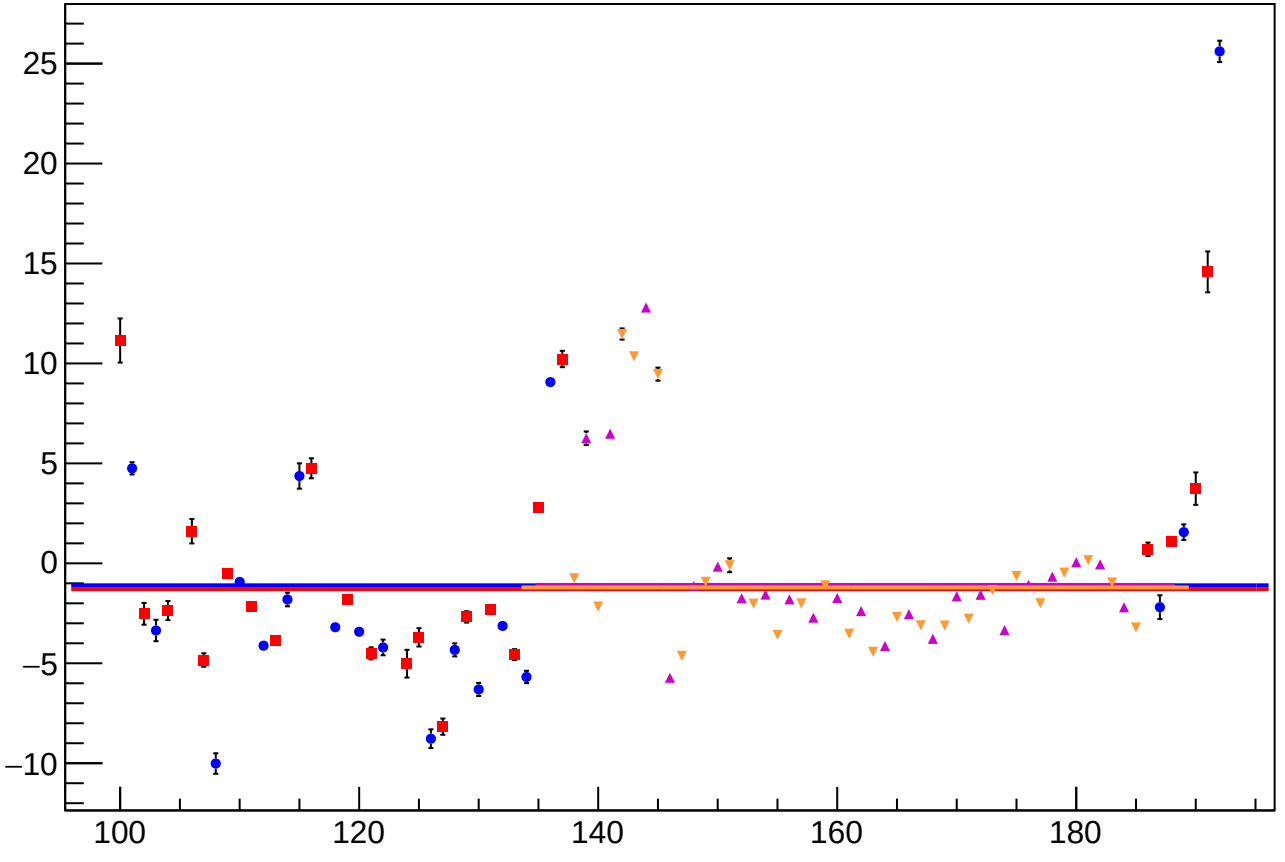
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -0.457+/-0.033 χ^2/NDF: 284996.7/43

All: -0.077+/-0.022 χ^2/NDF: 500158.8/89

- sign 0.231+/-0.030 χ^2/NDF: 214924.3/45

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.100+/-0.068 χ^2/NDF: 7123.4/18

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

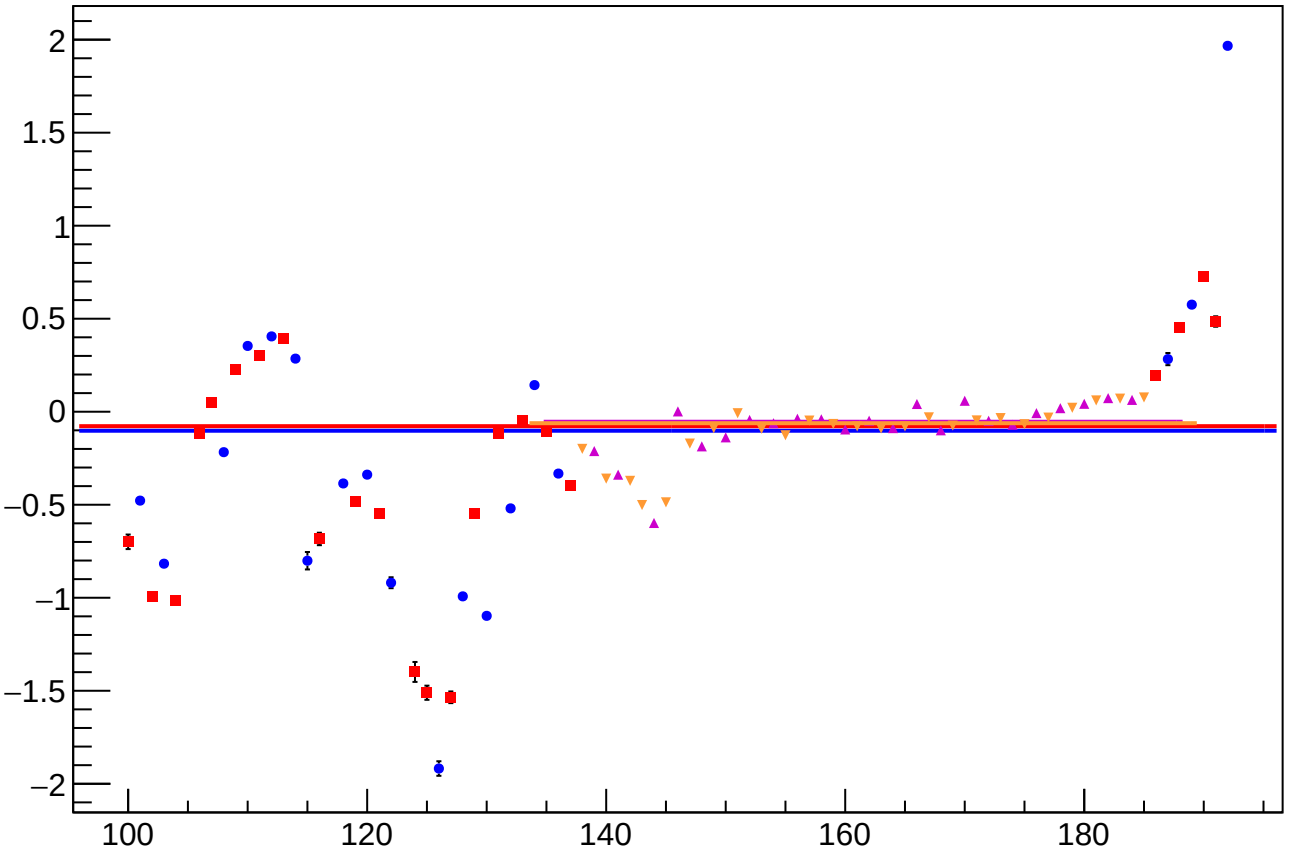
Right Out: -1.288+/-0.061 χ^2/NDF: 2911.7/22

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.182+/-0.032 χ^2/NDF: 14128.3/43

All: -1.161+/-0.022 χ^2/NDF: 24077.7/89

- sign -1.141+/-0.030 χ^2/NDF: 9948.5/45



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

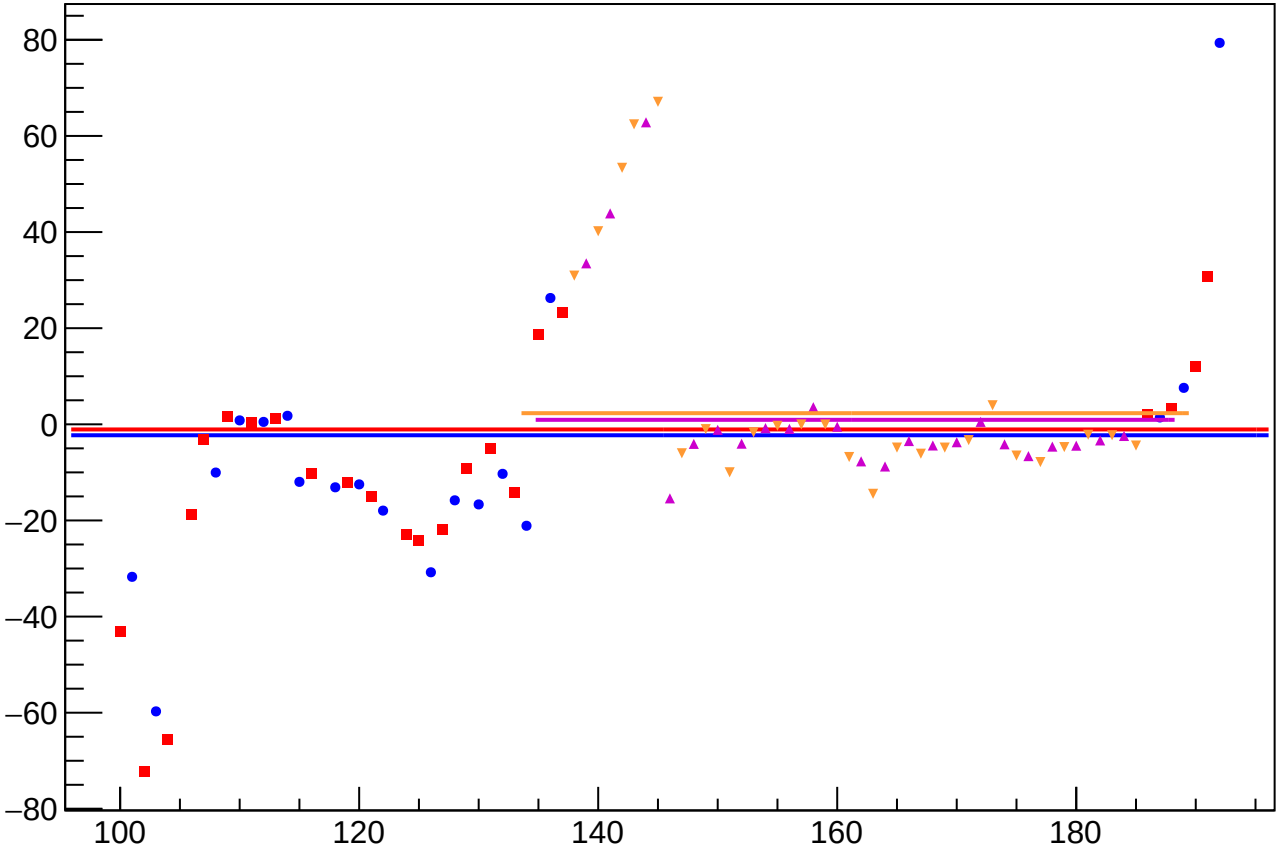
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.067+/-0.001 χ^2/NDF: 36124.0/43

All: -0.062+/-0.001 χ^2/NDF: 60626.5/89

- sign -0.058+/-0.001 χ^2/NDF: 24478.3/45

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



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

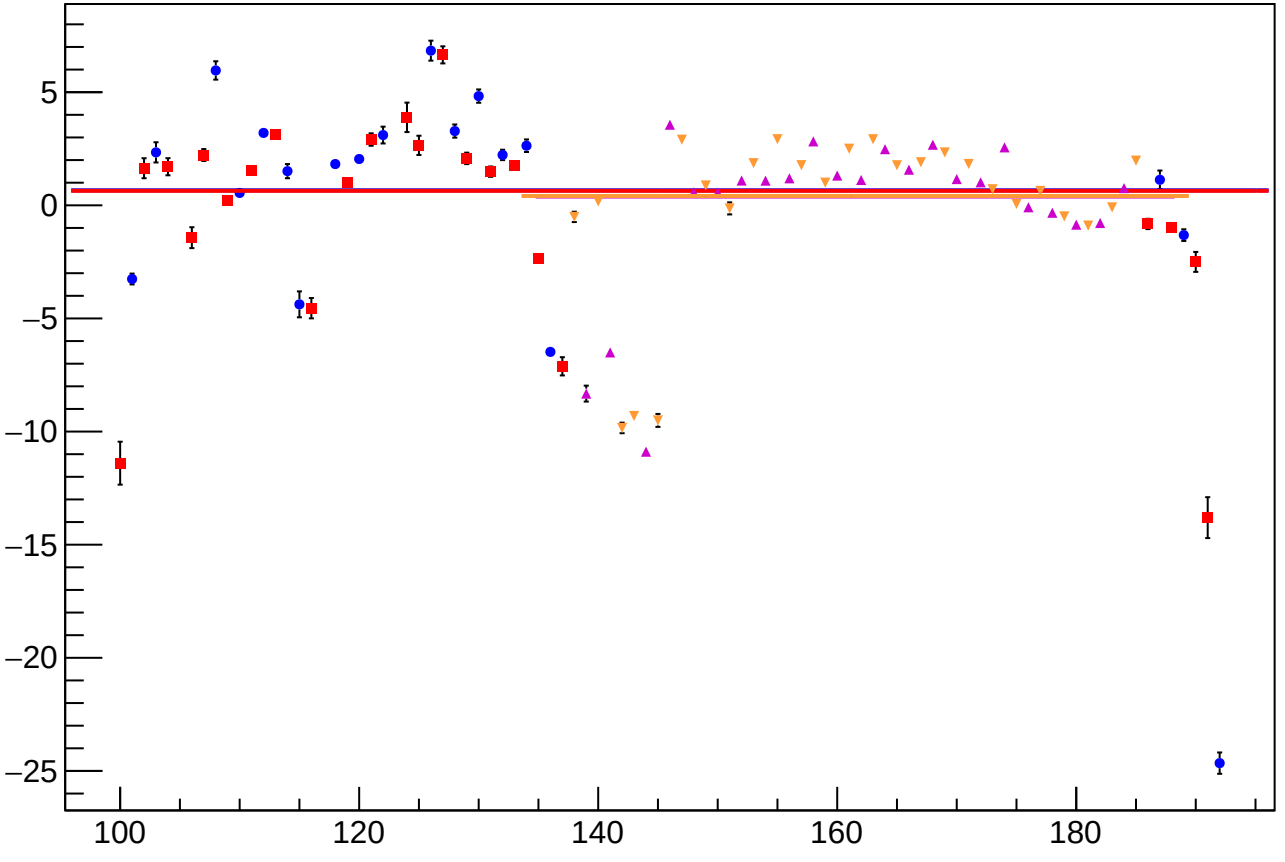
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 0.580+/-0.032 χ^2/NDF: 291824.8/43

All: 0.234+/-0.021 χ^2/NDF: 511808.0/89

- sign -0.045+/-0.028 χ^2/NDF: 219767.7/45

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



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

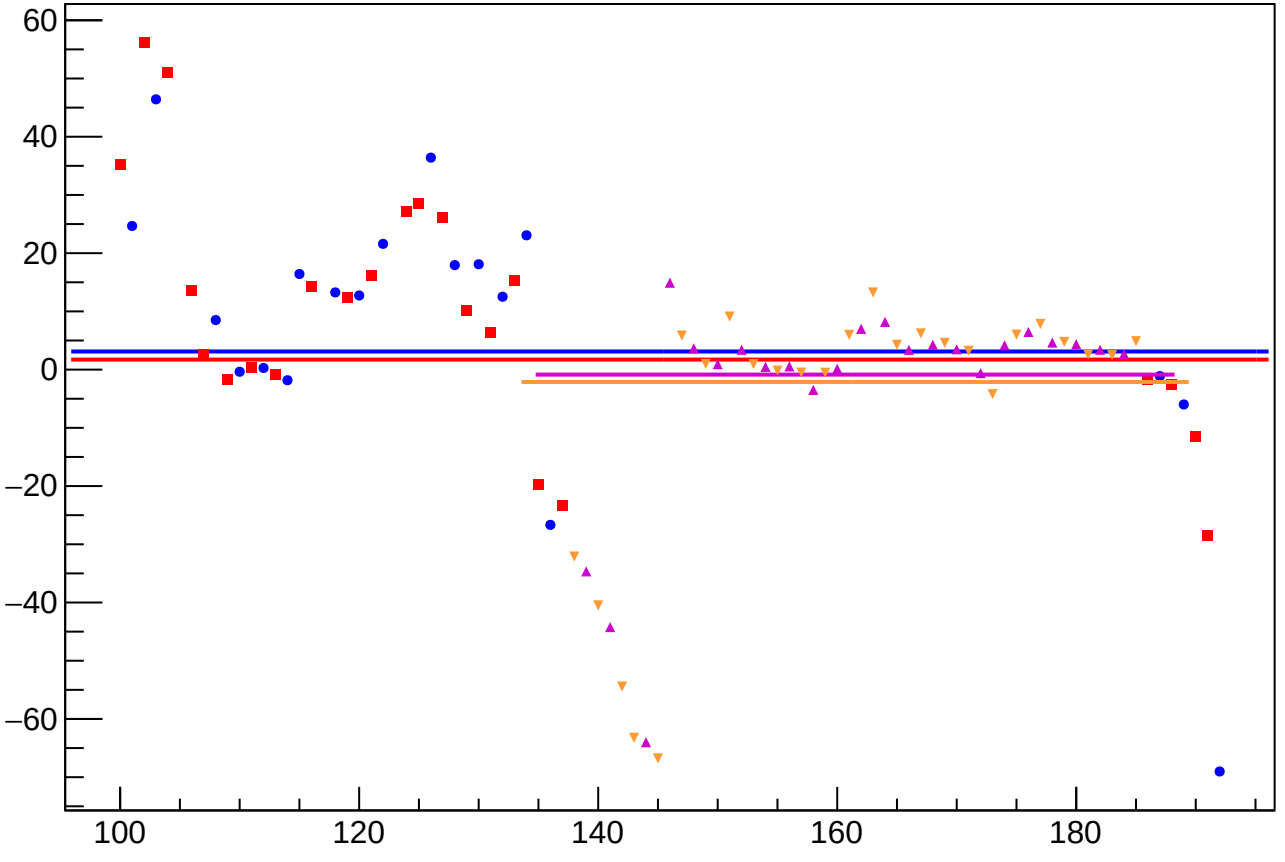
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.475+/-0.028 χ^2/NDF: 12662.4/43

All: 0.465+/-0.019 χ^2/NDF: 21902.3/89

- sign 0.457+/-0.027 χ^2/NDF: 9239.7/45

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



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

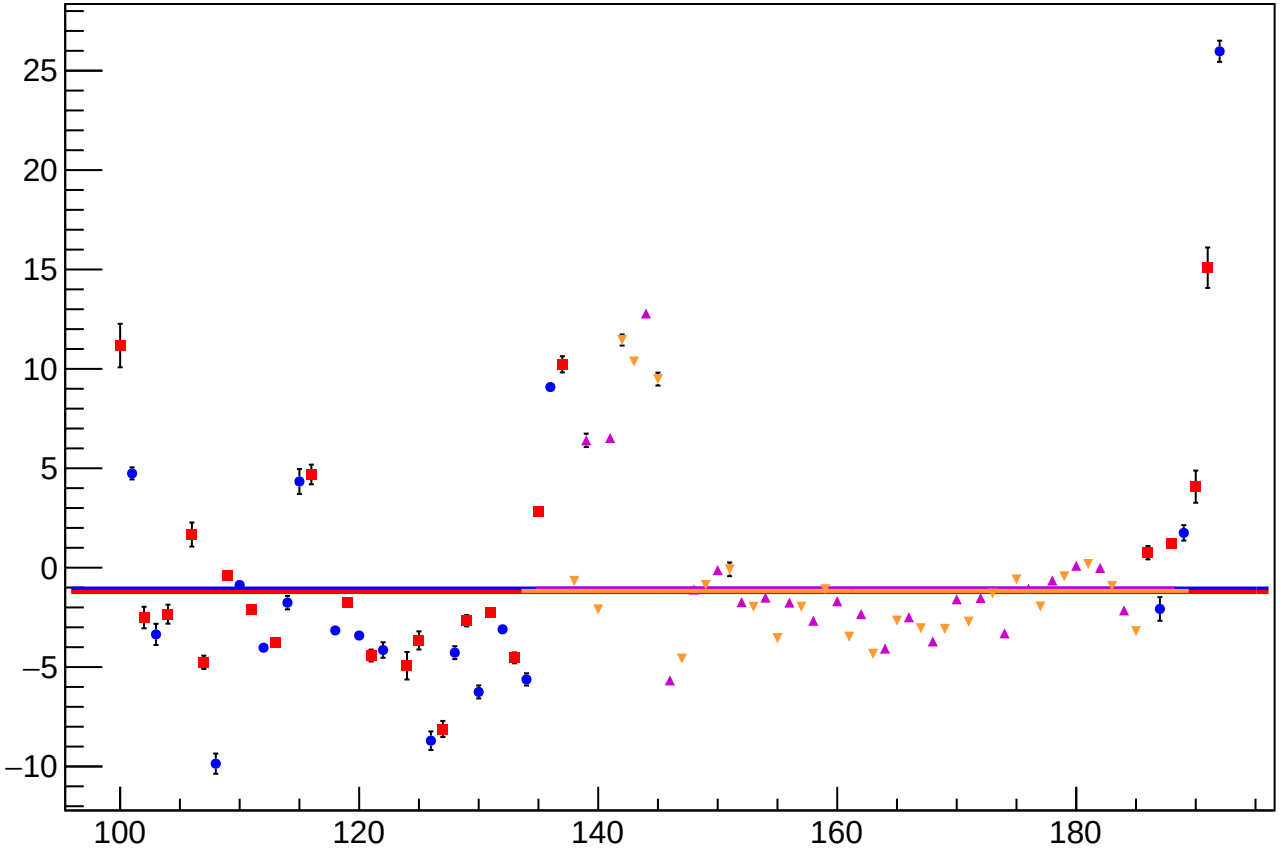
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -0.439+/-0.033 χ^2/NDF: 285042.2/43

All: -0.061+/-0.022 χ^2/NDF: 500073.3/89

- sign 0.243+/-0.030 χ^2/NDF: 214795.5/45

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



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

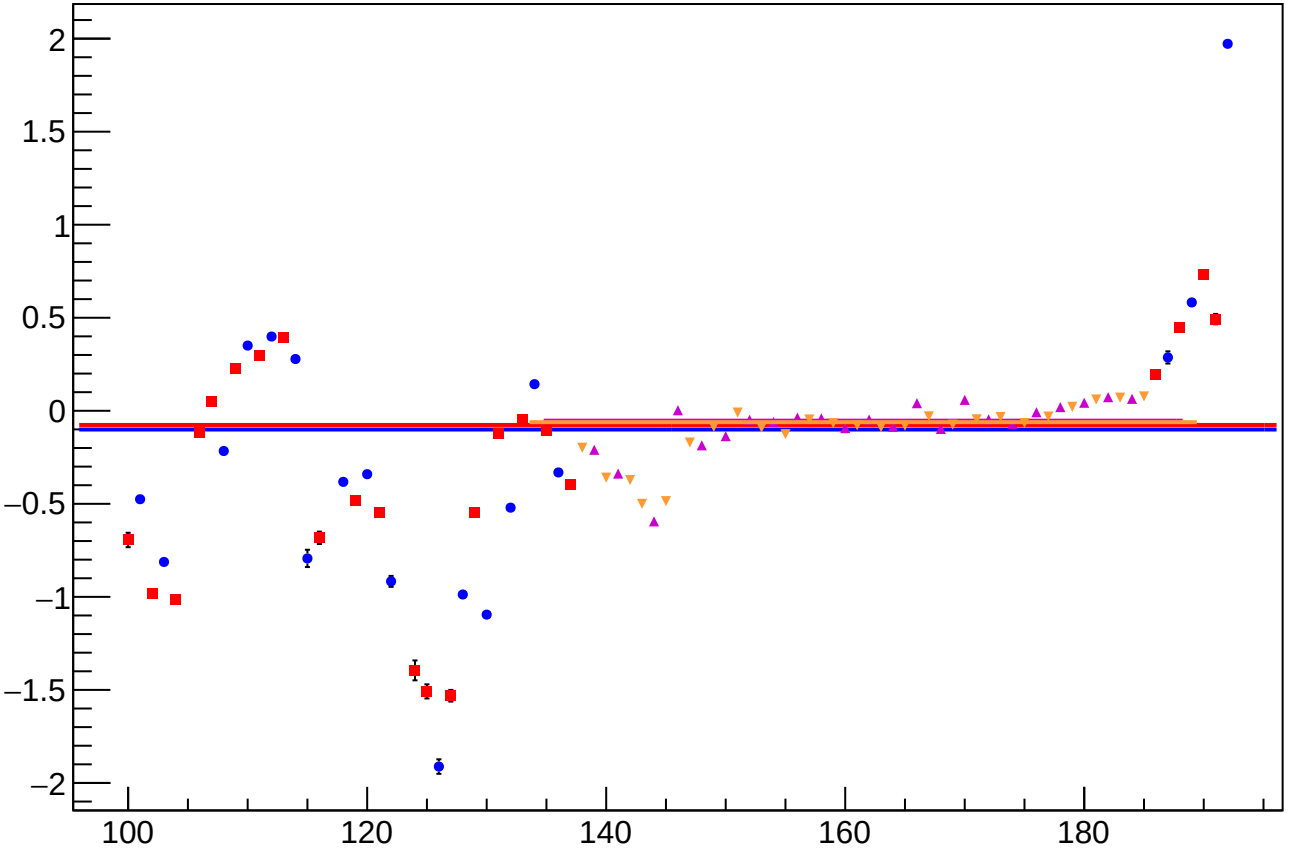
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.141+/-0.032 χ^2/NDF: 14211.2/43

All: -1.115+/-0.022 χ^2/NDF: 24211.0/89

- sign -1.092+/-0.030 χ^2/NDF: 9998.6/45

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.101+/-0.004 χ^2/NDF: 30528.4/18

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

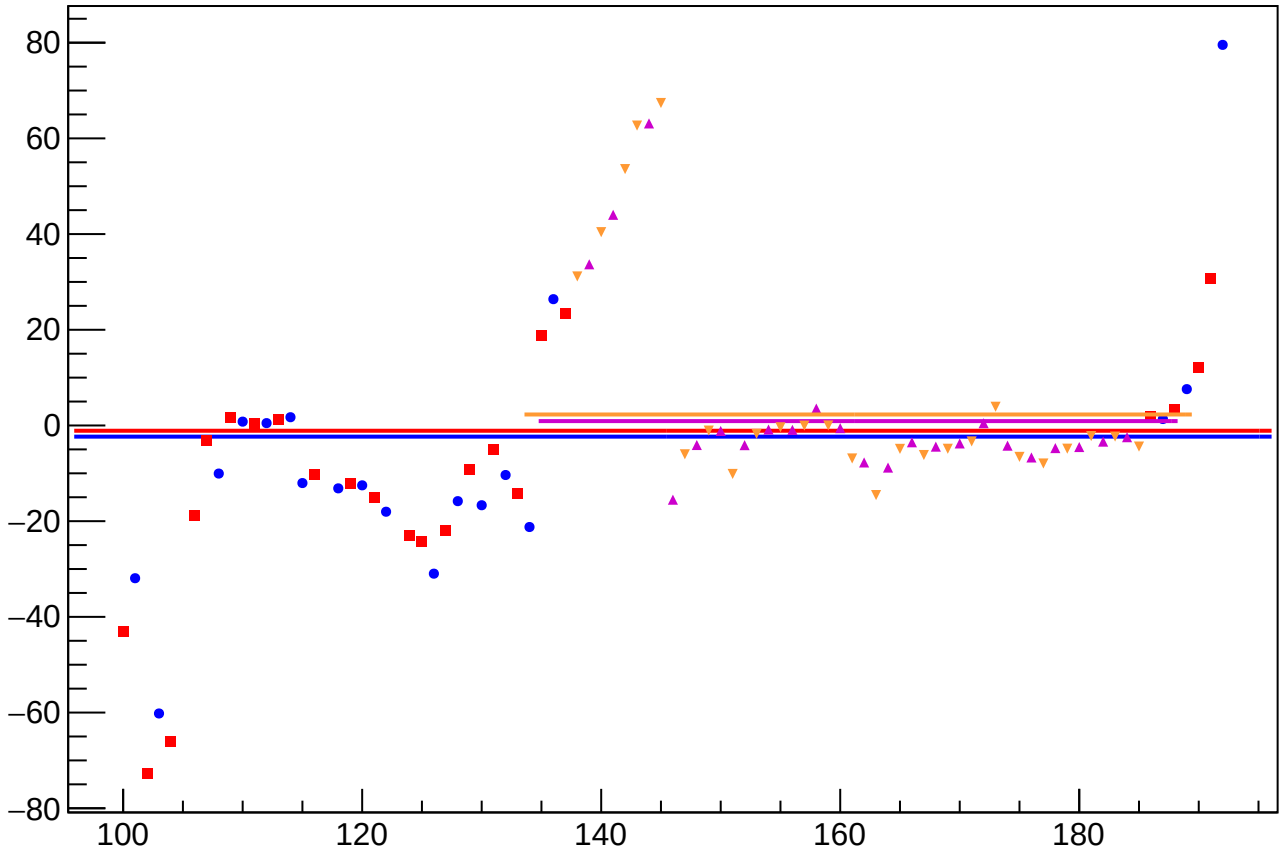
Right Out: -0.076+/-0.004 χ^2/NDF: 19475.8/22

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.067+/-0.001 χ^2/NDF: 36346.3/43

All: -0.061+/-0.001 χ^2/NDF: 60890.8/89

- sign -0.057+/-0.001 χ^2/NDF: 24518.6/45



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

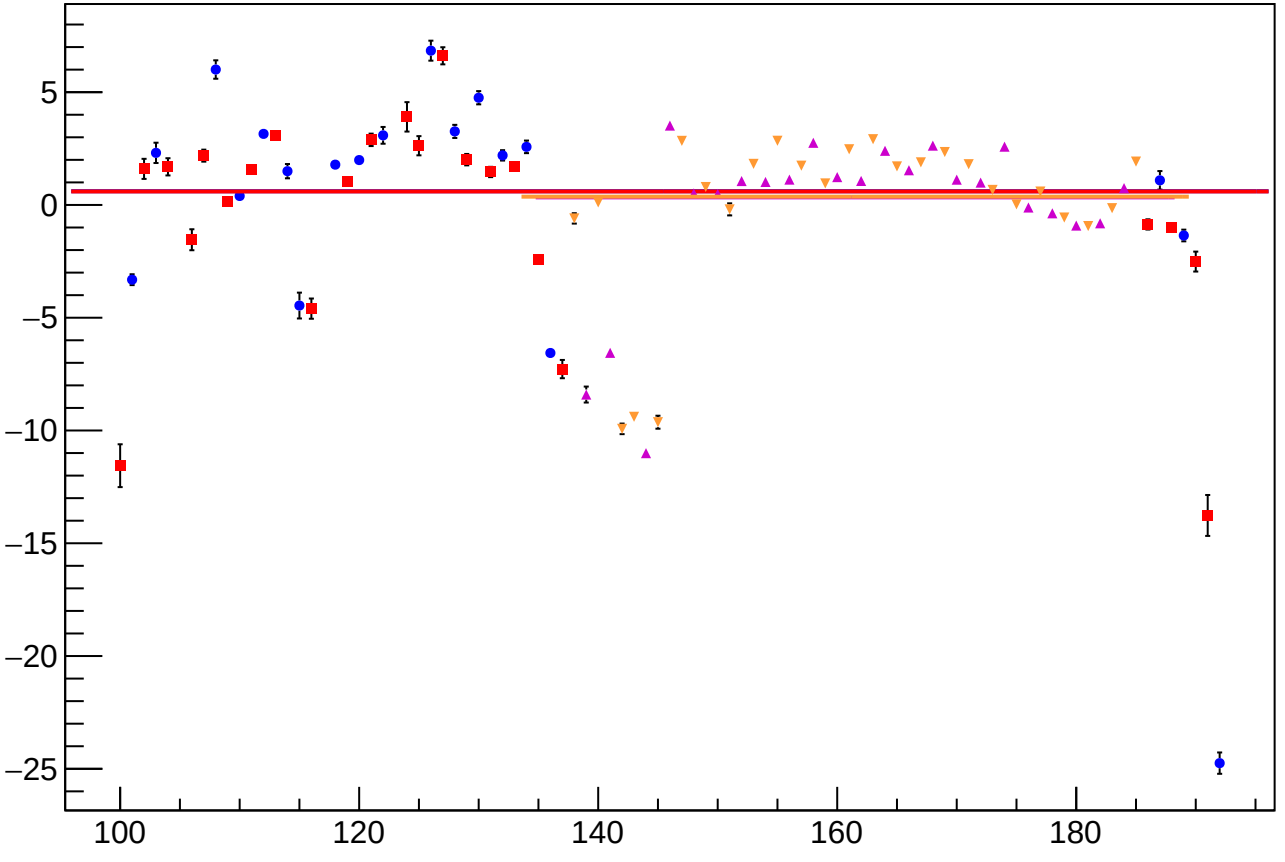
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 0.549+/-0.032 χ^2/NDF: 292266.4/43

All: 0.206+/-0.021 χ^2/NDF: 512449.0/89

- sign -0.071+/-0.029 χ^2/NDF: 219972.0/45

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



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

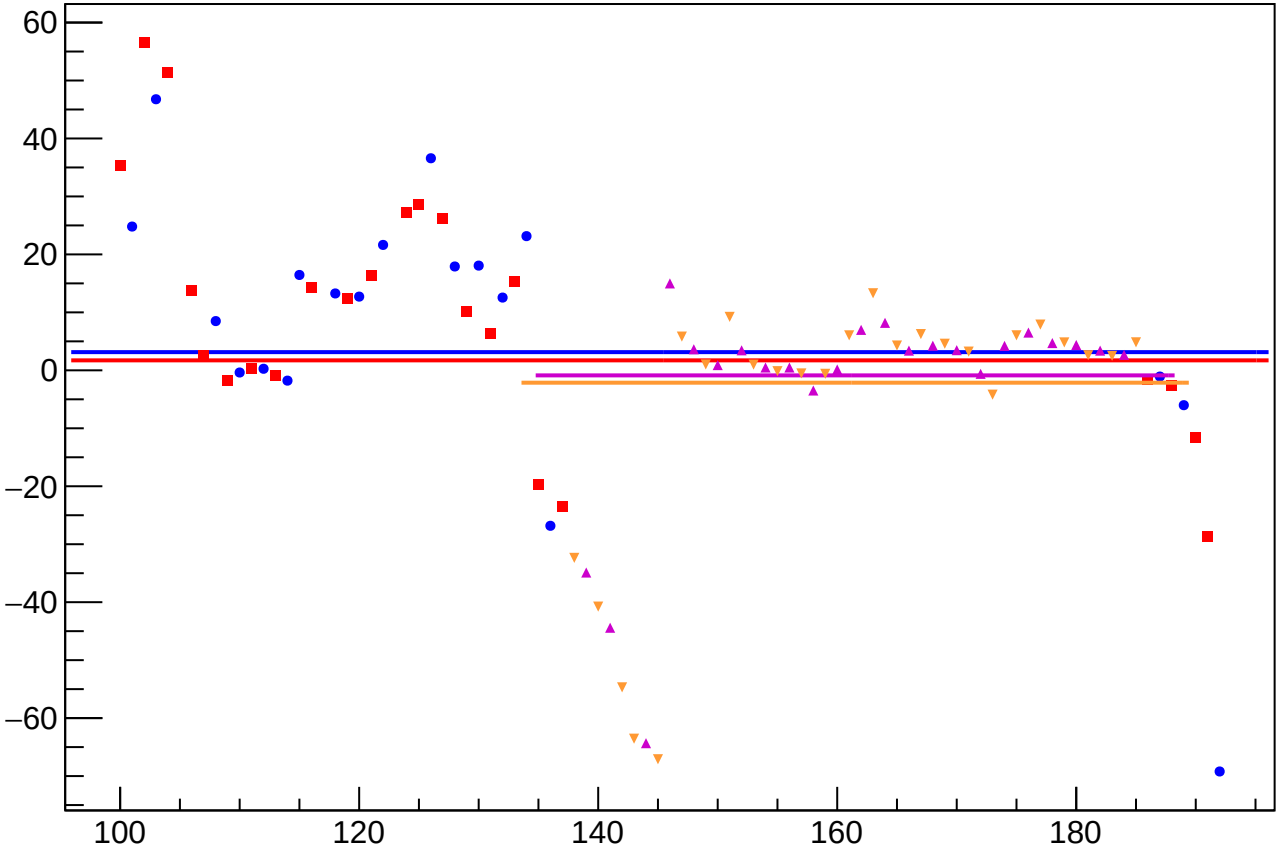
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

\+ sign 0.426+/-0.029 χ^2/NDF: 12678.6/43

All: 0.416+/-0.020 χ^2/NDF: 21909.8/89

\- sign 0.407+/-0.027 χ^2/NDF: 9231.1/45

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



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

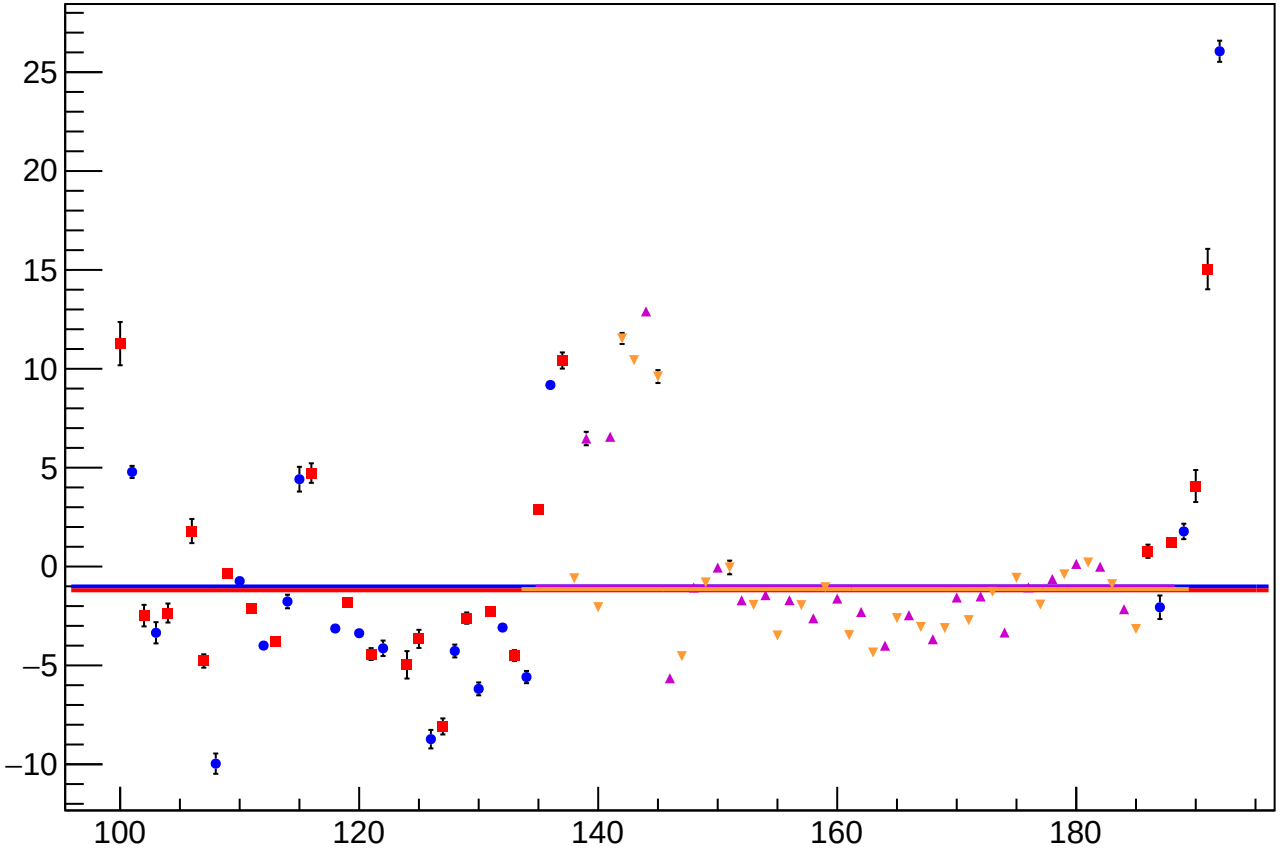
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -0.443+/-0.033 χ^2/NDF: 285496.1/43

All: -0.067+/-0.022 χ^2/NDF: 500769.1/89

- sign 0.235+/-0.030 χ^2/NDF: 215042.2/45

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.008+/-0.068 χ^2/NDF: 7209.8/18

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -1.202+/-0.061 χ^2/NDF: 2971.5/22

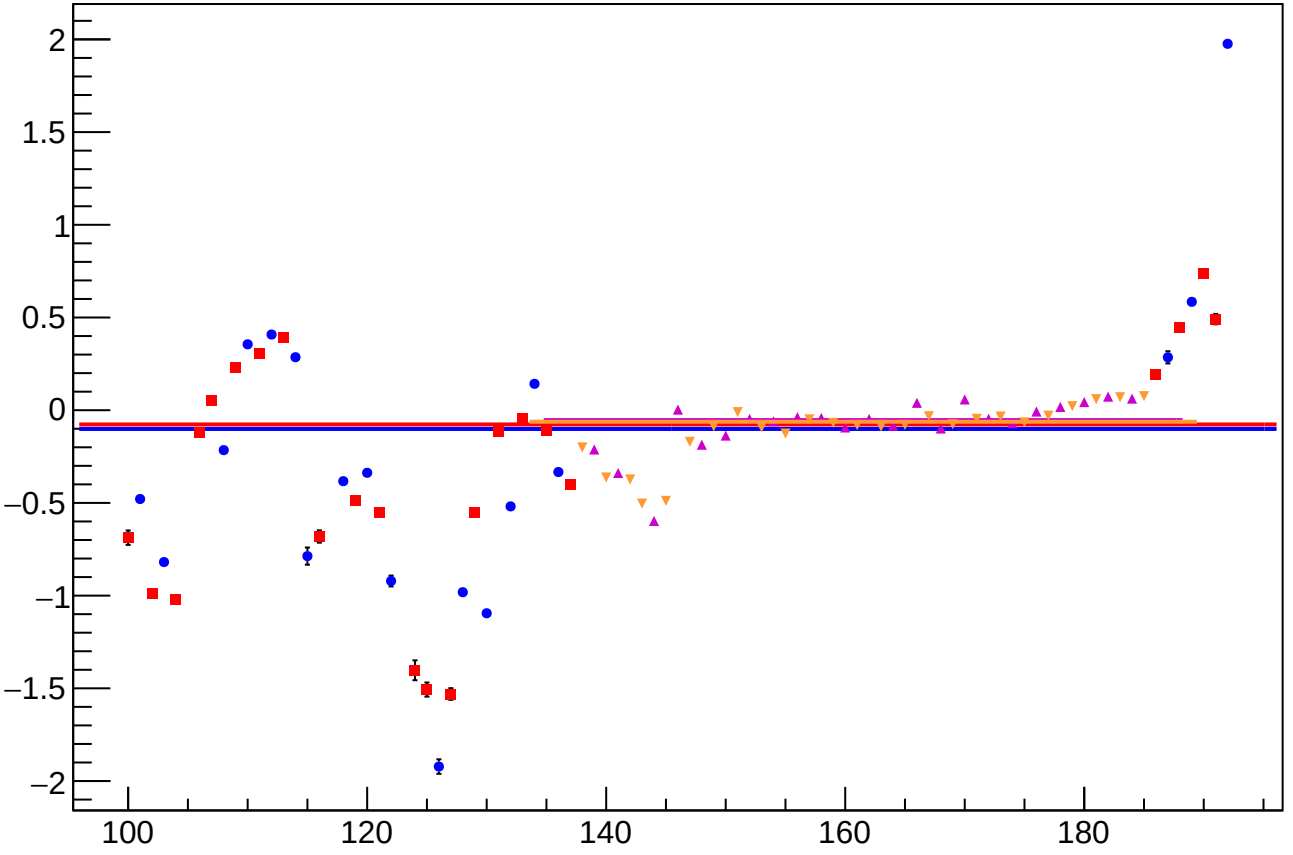
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.110+/-0.032 χ^2/NDF: 14235.7/43

All: -1.084+/-0.022 χ^2/NDF: 24242.8/89

- sign -1.060+/-0.030 χ^2/NDF: 10005.9/45

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



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

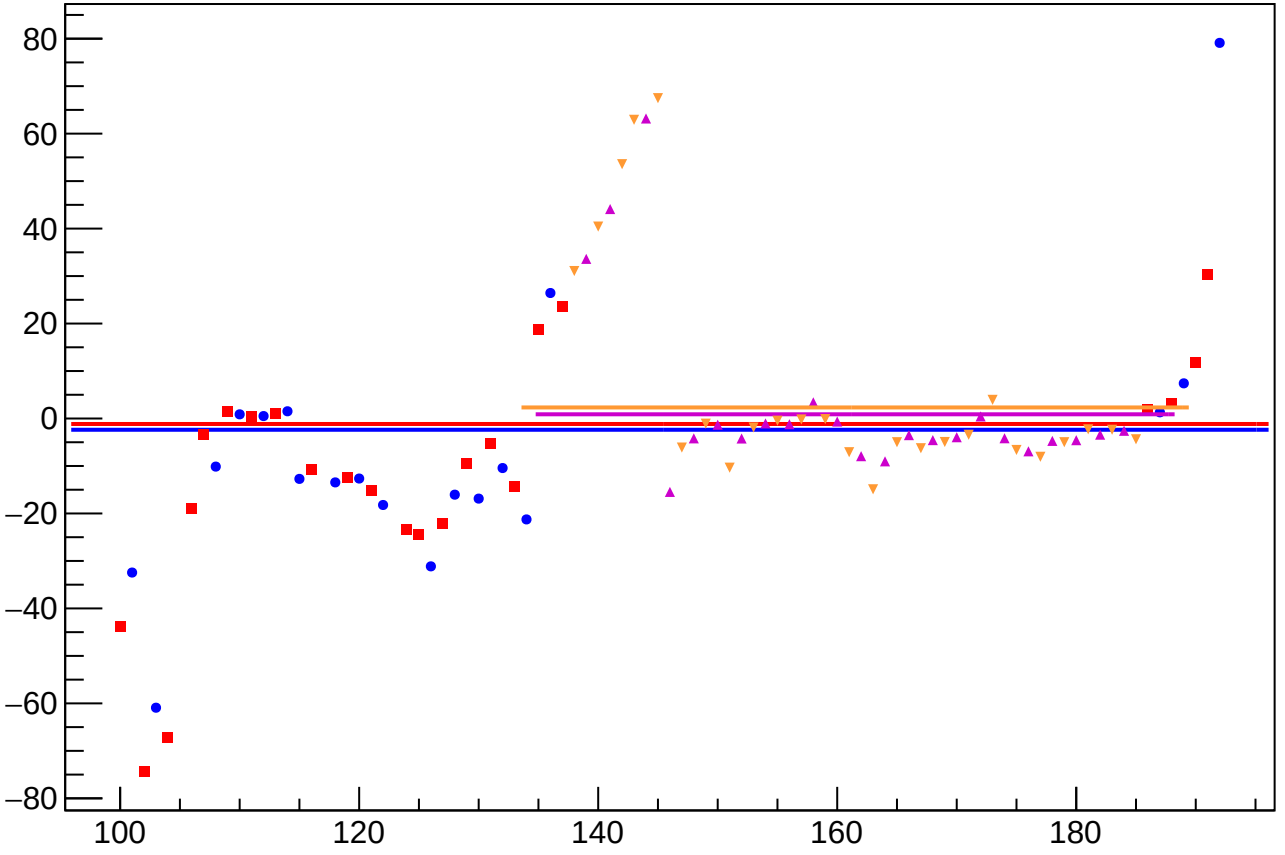
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.068+/-0.001 χ^2/NDF: 36353.0/43

All: -0.062+/-0.001 χ^2/NDF: 60866.7/89

- sign -0.057+/-0.001 χ^2/NDF: 24485.0/45

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

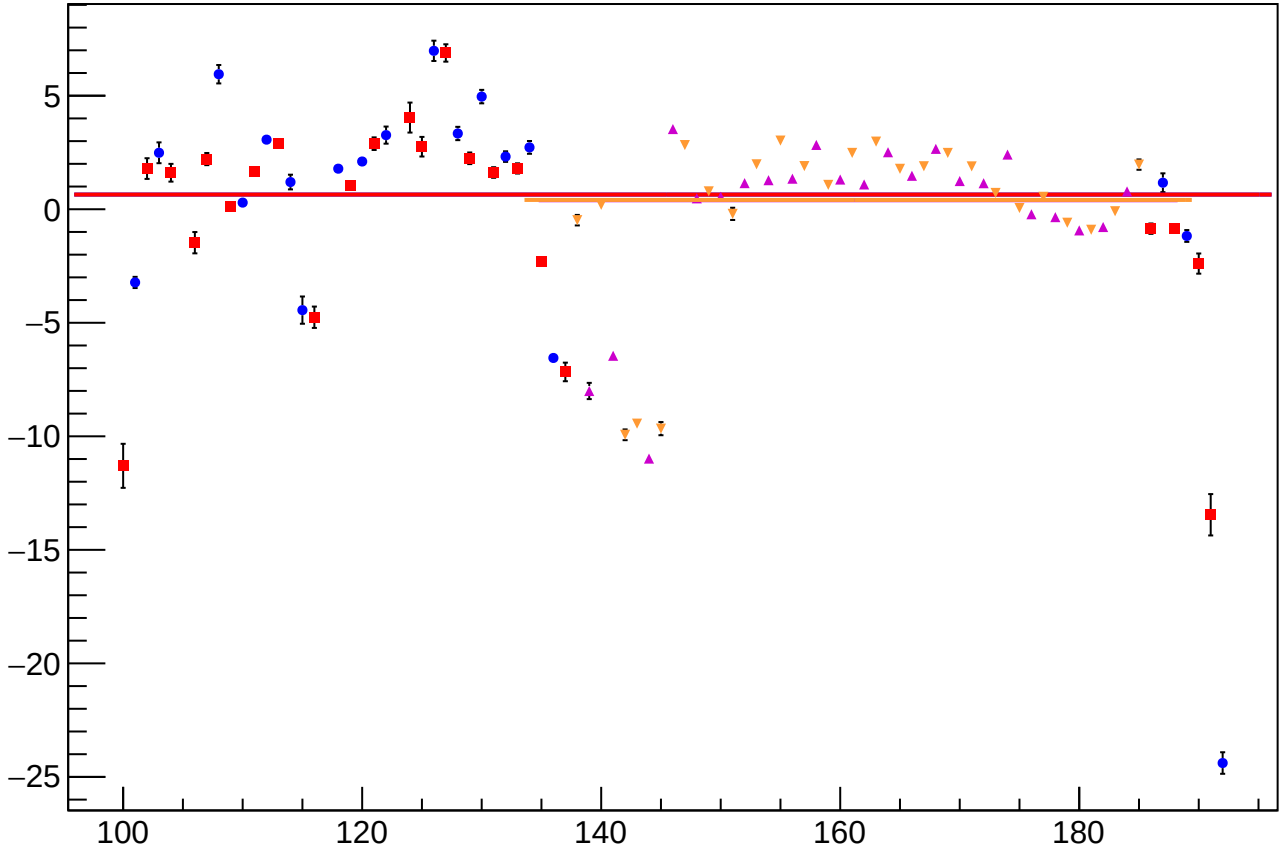
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 0.551+/-0.032 χ^2/NDF: 288135.2/43

All: 0.185+/-0.022 χ^2/NDF: 505240.9/89

- sign -0.111+/-0.029 χ^2/NDF: 216874.9/45

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



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

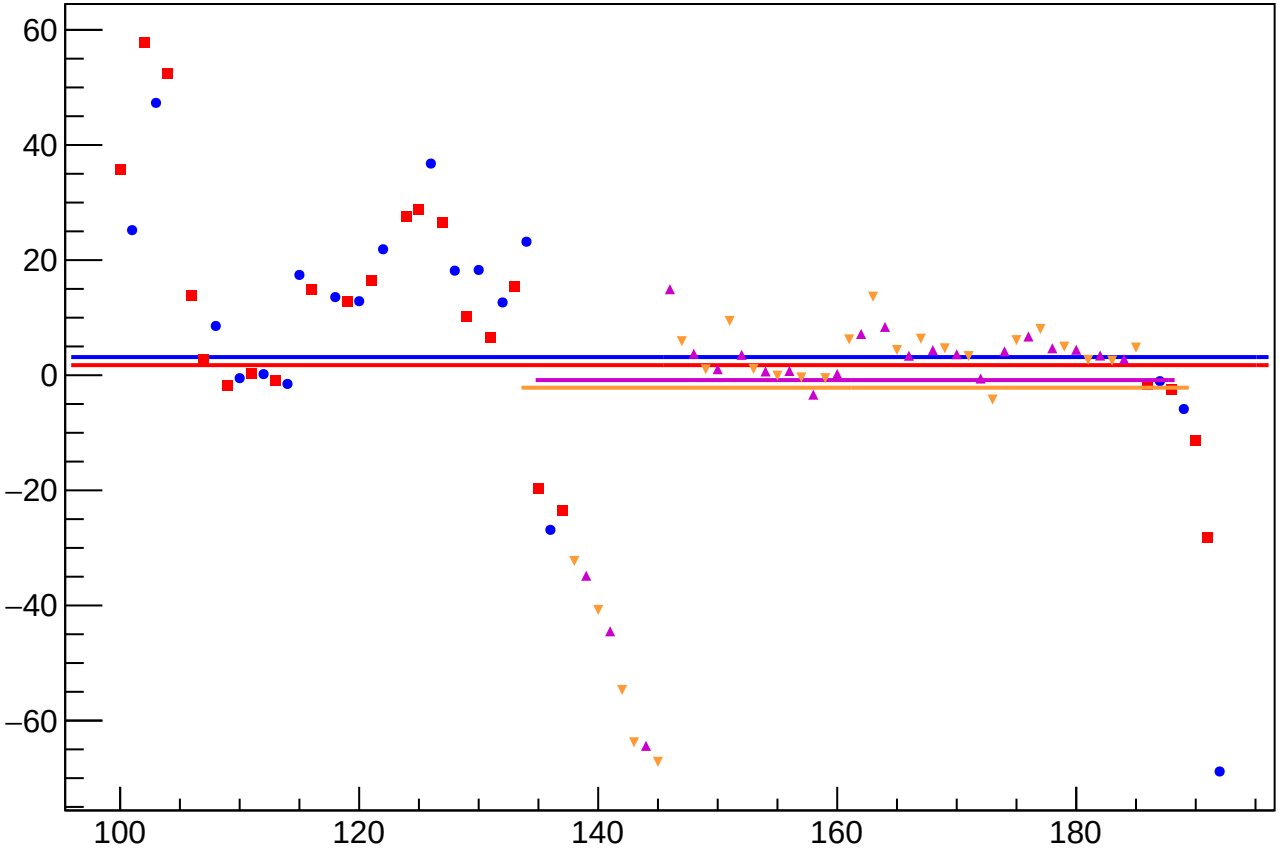
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.468+/-0.029 χ^2/NDF: 12514.2/43

All: 0.466+/-0.020 χ^2/NDF: 21493.3/89

- sign 0.464+/-0.027 χ^2/NDF: 8979.2/45

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



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

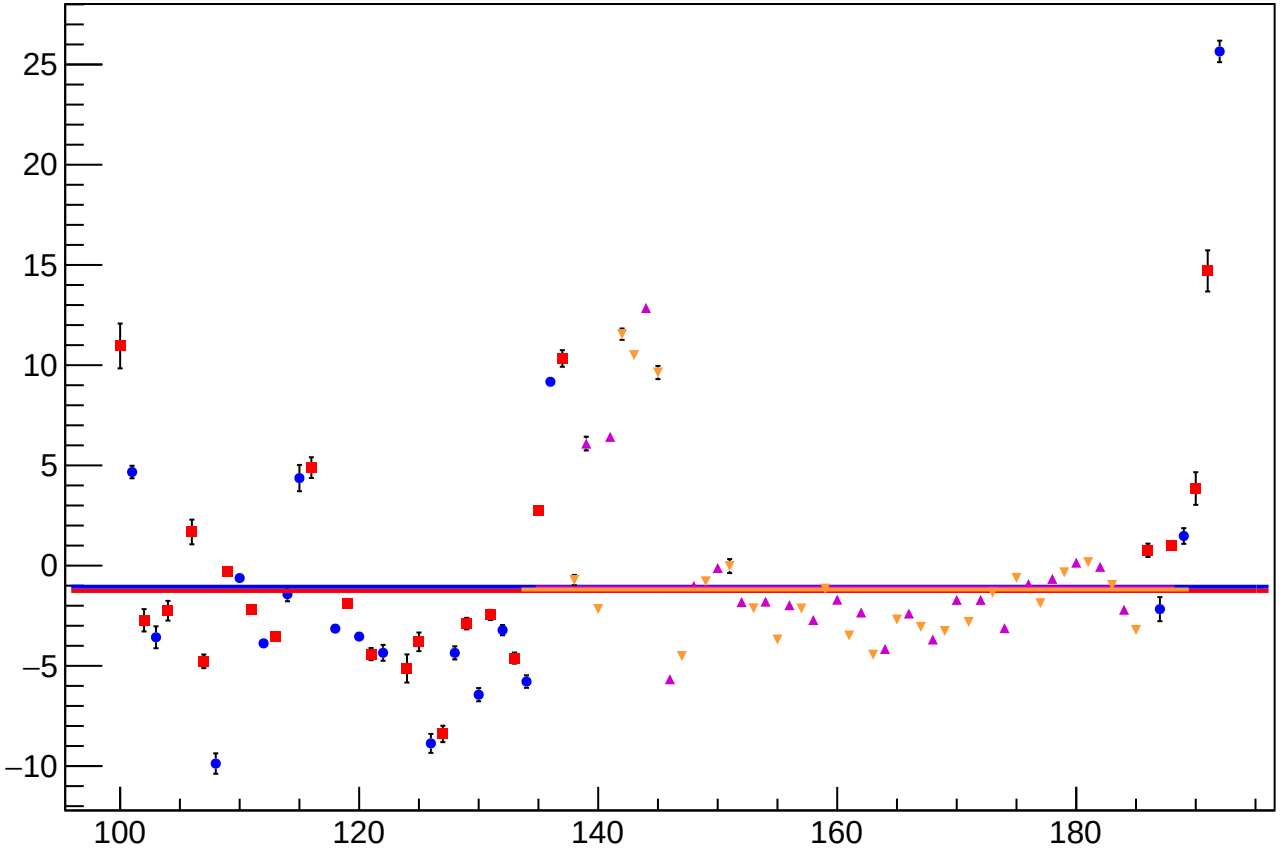
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -0.450+/-0.034 χ^2/NDF: 281441.1/43

All: -0.049+/-0.023 χ^2/NDF: 493665.5/89

- sign 0.273+/-0.030 χ^2/NDF: 211971.0/45

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



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

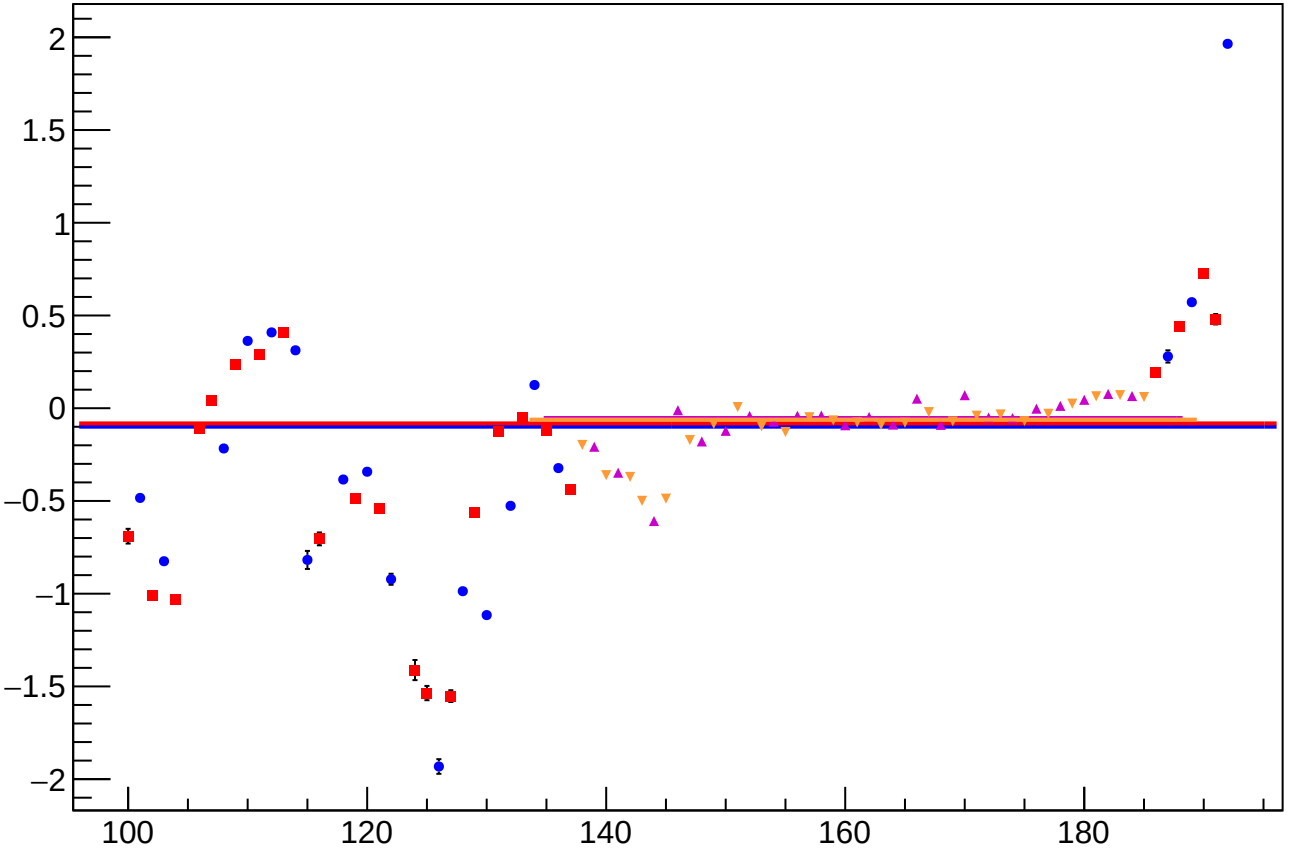
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.160+/-0.033 χ^2/NDF: 14050.3/43

All: -1.145+/-0.022 χ^2/NDF: 23766.9/89

- sign -1.133+/-0.031 χ^2/NDF: 9716.2/45

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



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

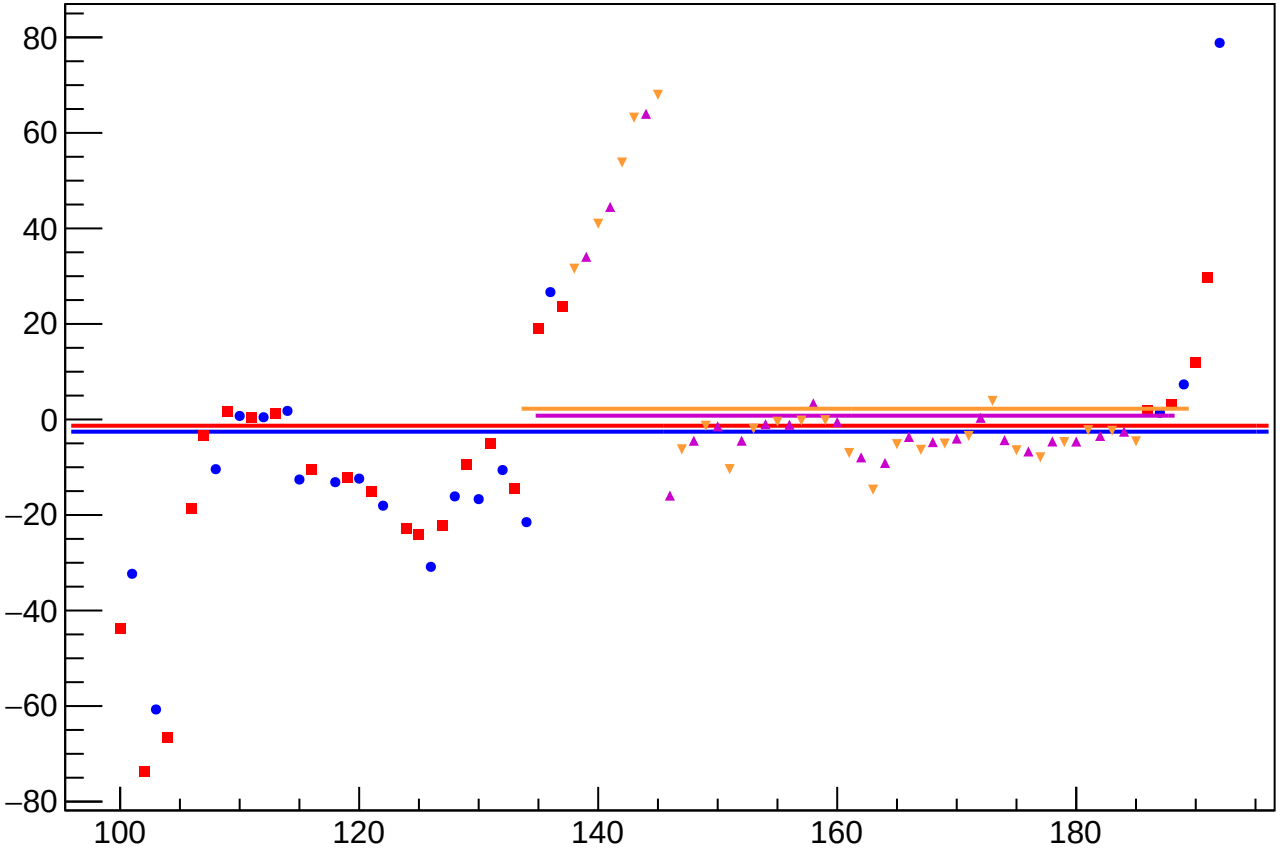
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.067+/-0.001 χ^2/NDF: 35586.0/43

All: -0.062+/-0.001 χ^2/NDF: 59936.4/89

- sign -0.057+/-0.001 χ^2/NDF: 24328.0/45

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



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

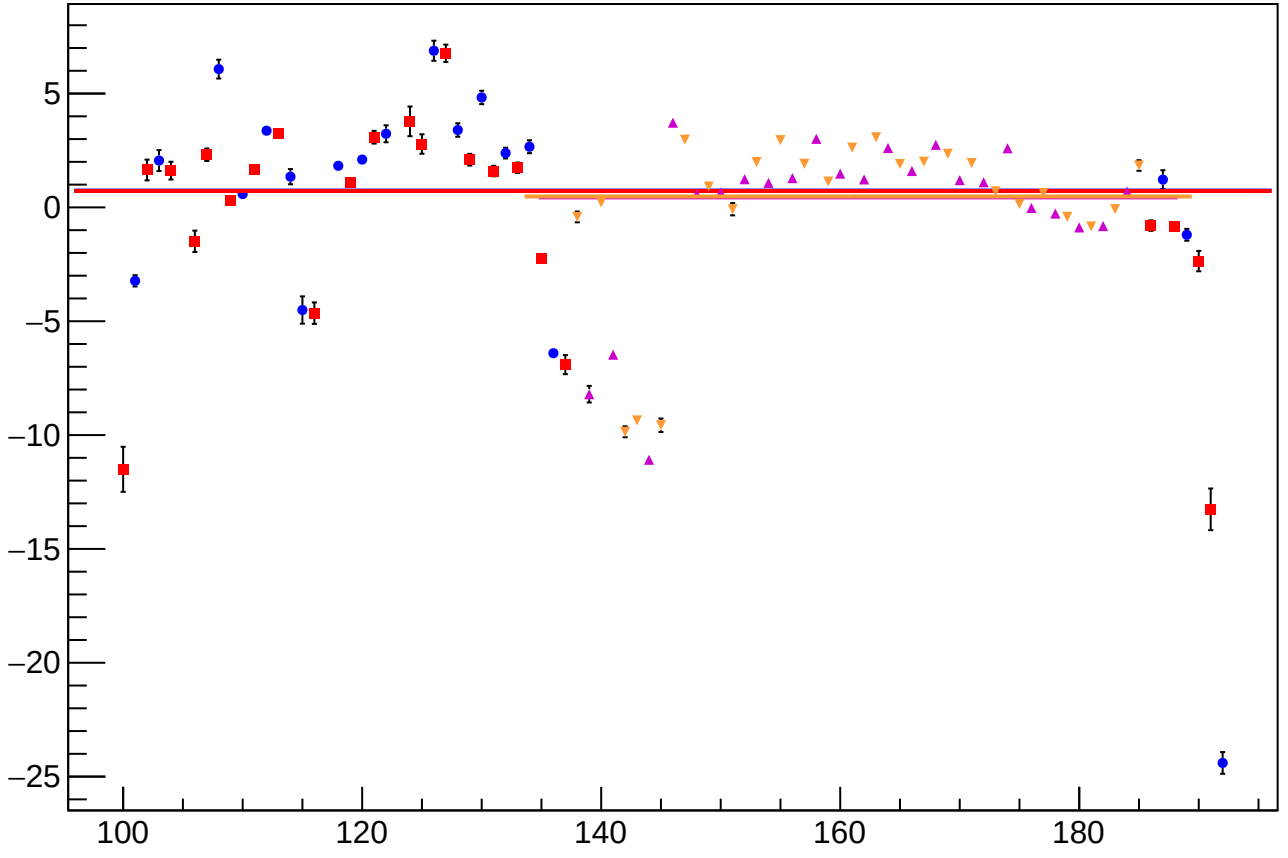
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 0.451+/-0.033 χ^2/NDF: 283406.1/43

All: 0.081+/-0.022 χ^2/NDF: 497172.0/89

- sign -0.220+/-0.030 χ^2/NDF: 213536.0/45

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



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

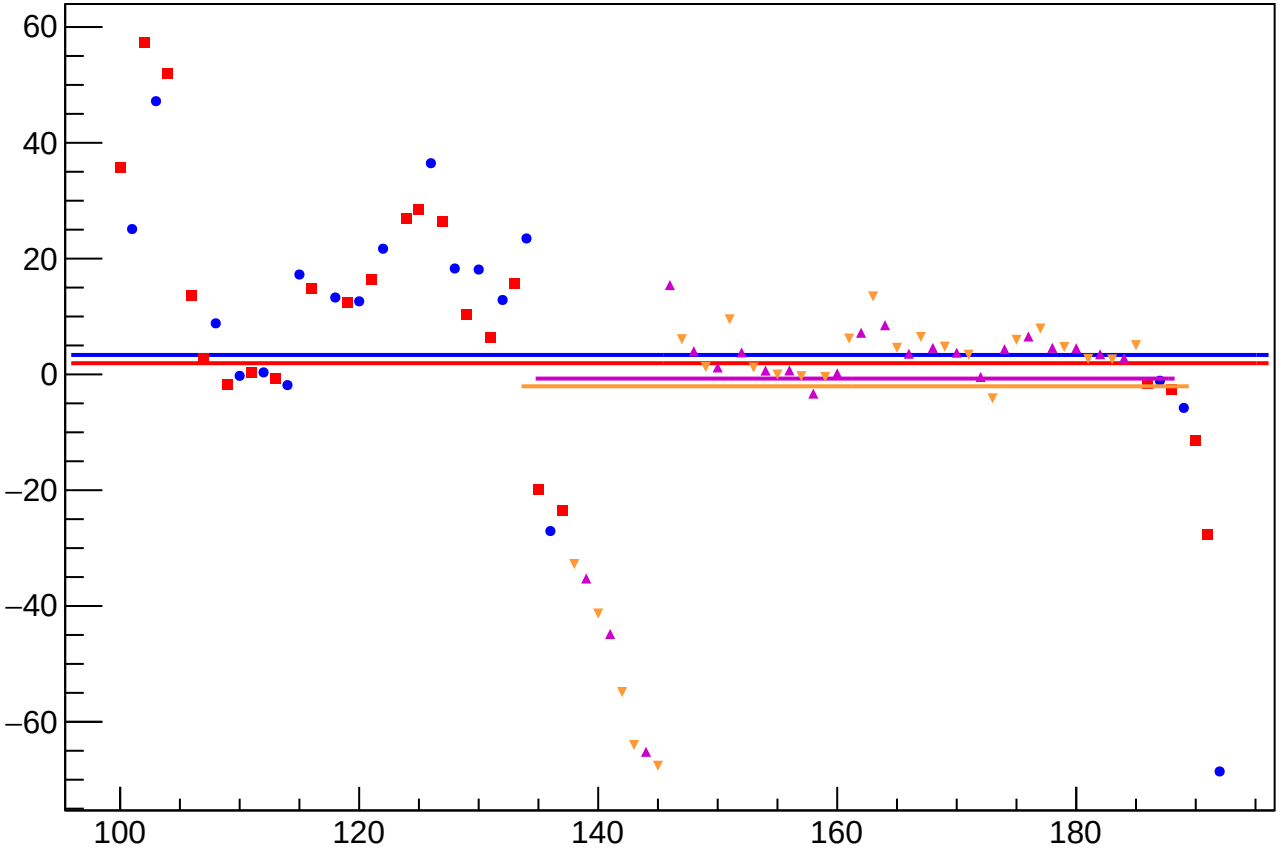
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.542+/-0.029 χ^2/NDF: 12175.4/43

All: 0.528+/-0.020 χ^2/NDF: 21060.4/89

- sign 0.516+/-0.028 χ^2/NDF: 8884.6/45

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



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

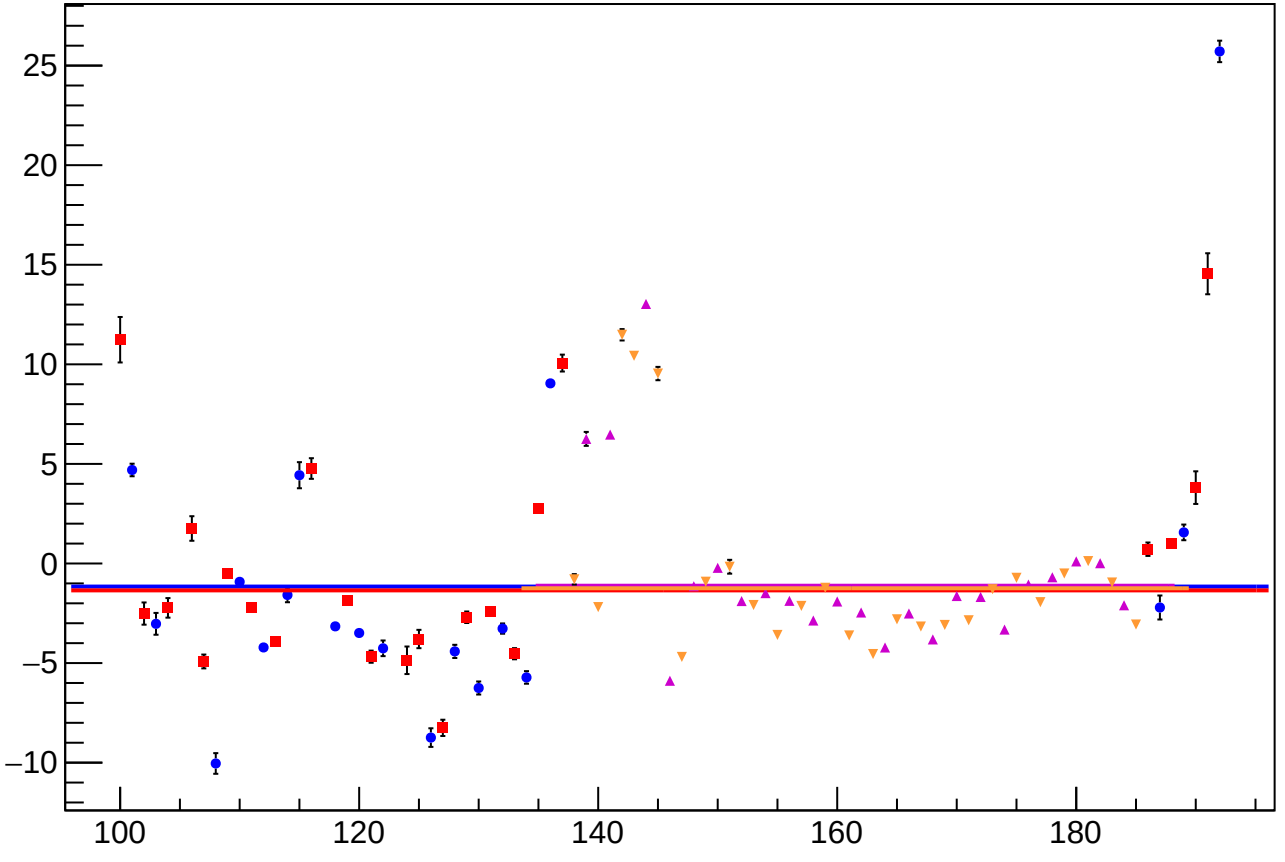
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -0.313+/-0.034 χ^2/NDF: 276666.5/43

All: 0.088+/-0.023 χ^2/NDF: 485530.2/89

- sign 0.413+/-0.031 χ^2/NDF: 208614.2/45

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



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

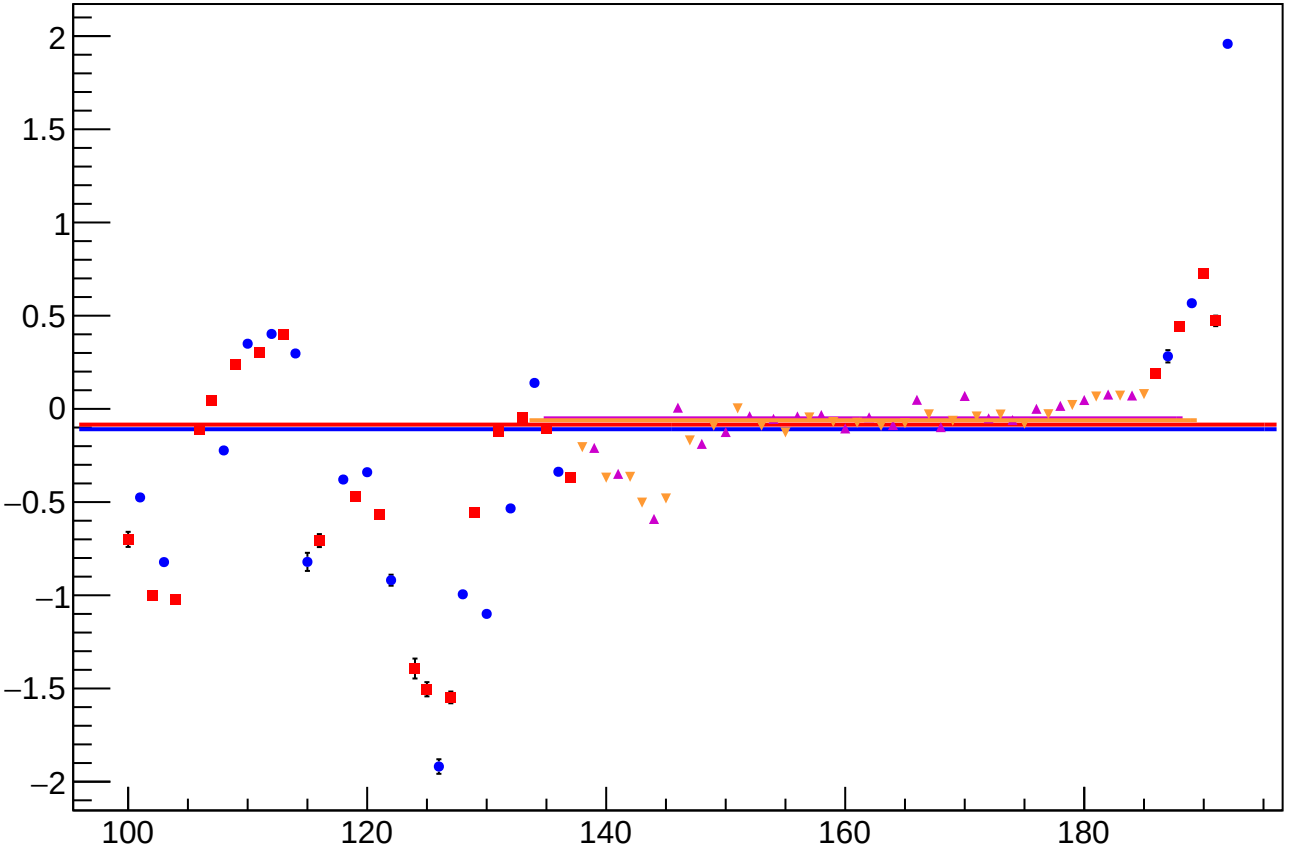
Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.225+/-0.033 χ^2/NDF: 13653.1/43

All: -1.198+/-0.023 χ^2/NDF: 23265.0/89

- sign -1.174+/-0.031 χ^2/NDF: 9610.7/45

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: -0.109+/-0.004 χ^2/NDF: 29394.9/18

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

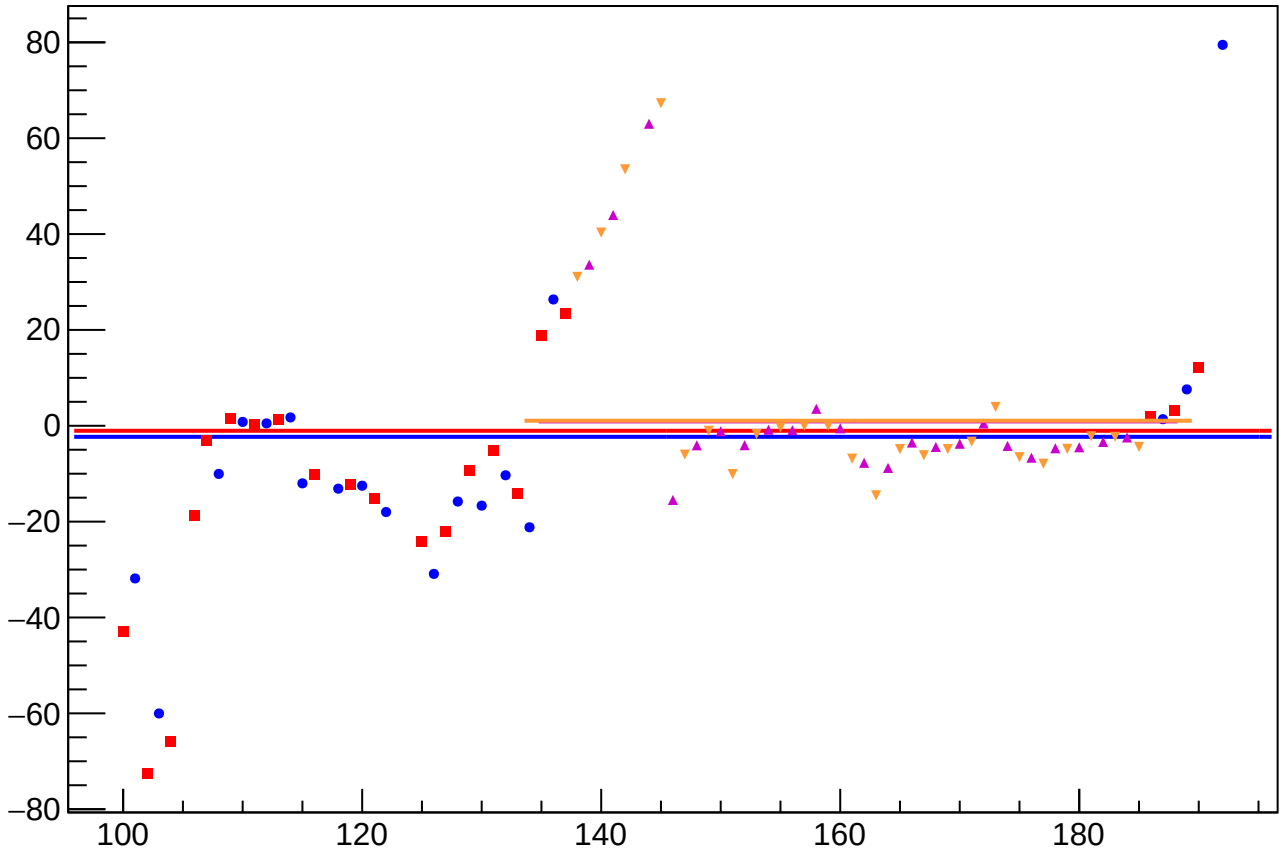
Right Out: -0.084+/-0.004 χ^2/NDF: 18646.2/22

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.068+/-0.002 χ^2/NDF: 34998.8/43

All: -0.061+/-0.001 χ^2/NDF: 58628.9/89

- sign -0.056+/-0.001 χ^2/NDF: 23597.0/45



Right In: -2.306+/-0.052 χ^2/NDF: 110301.2/18

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

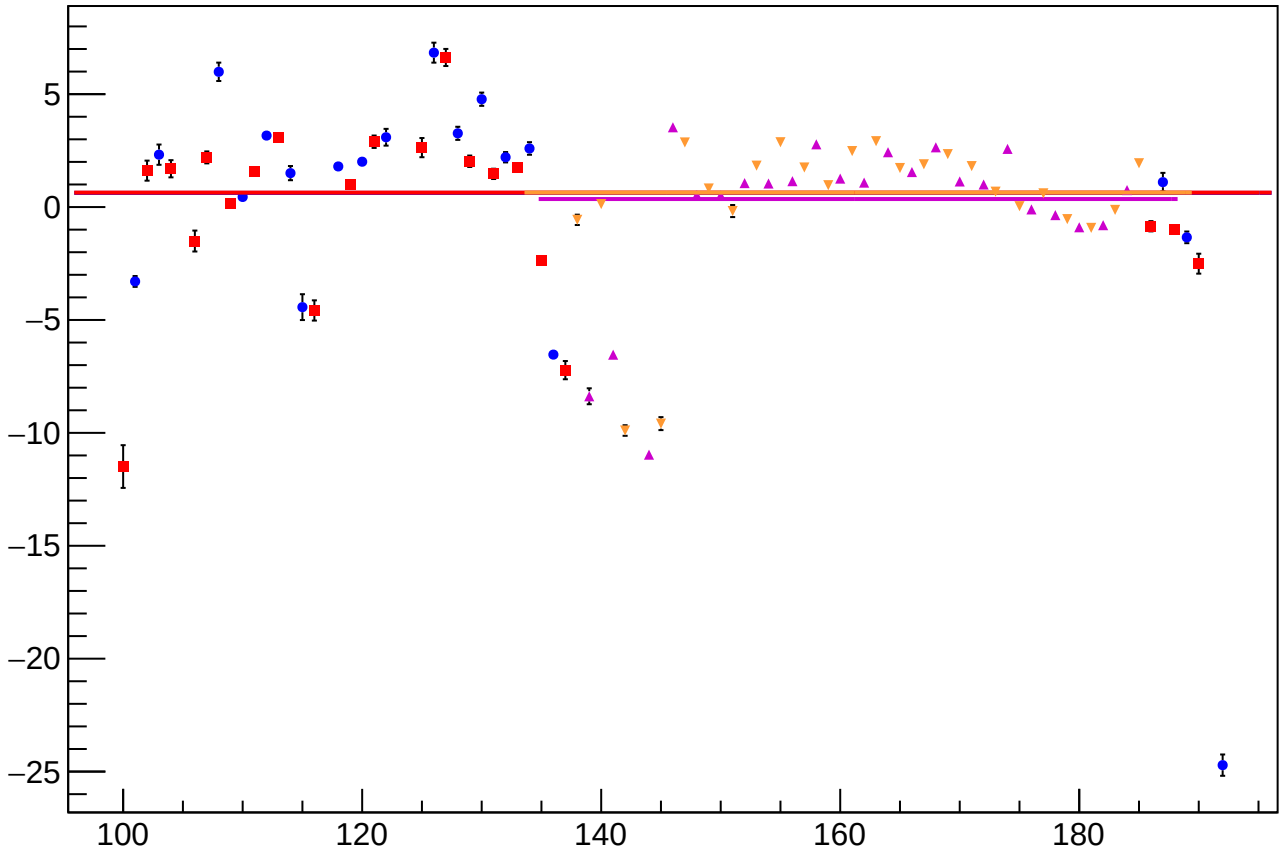
Right Out: -1.042+/-0.041 χ^2/NDF: 83527.7/20

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

\+ sign -0.232+/-0.032 χ^2/NDF: 243954.9/42

All: -0.125+/-0.021 χ^2/NDF: 461485.1/86

\- sign -0.040+/-0.029 χ^2/NDF: 217510.1/43



Right In: 0.627+/-0.058 χ^2/NDF: 5608.2/18

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

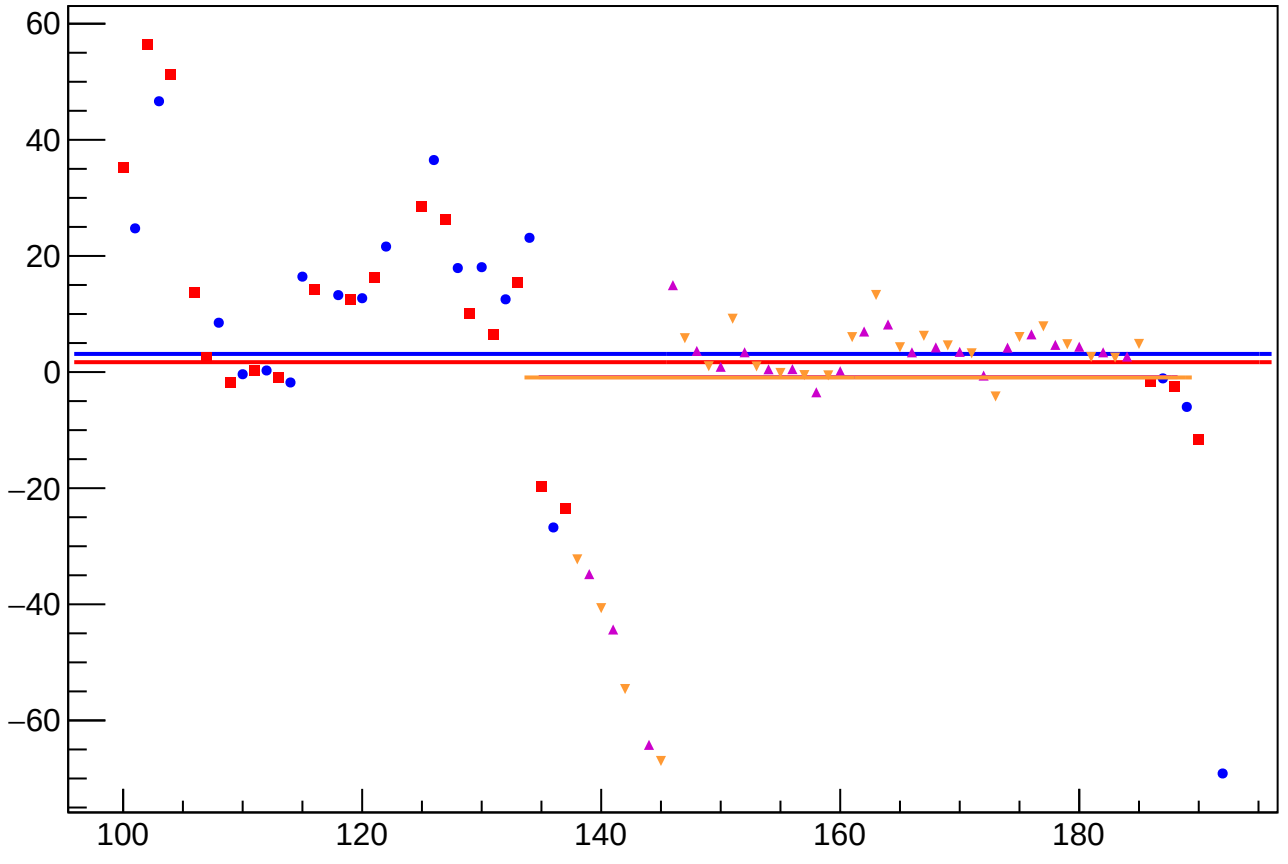
Right Out: 0.640+/-0.052 χ^2/NDF: 1842.7/20

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.640+/-0.029 χ^2/NDF: 10319.3/42

All: 0.528+/-0.020 χ^2/NDF: 19329.1/86

- sign 0.432+/-0.027 χ^2/NDF: 8981.8/43



Right In: 3.125+/-0.058 χ^2/NDF: 108726.4/18

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

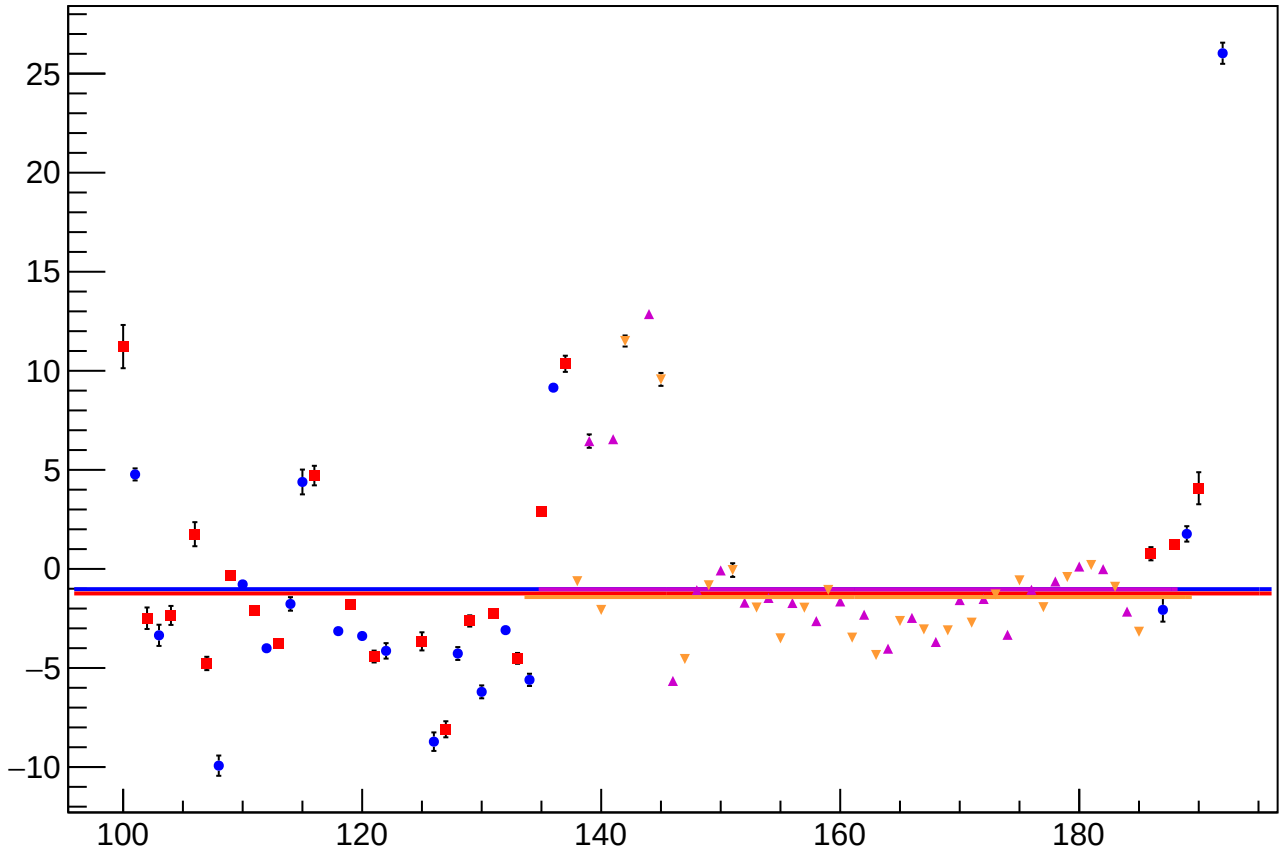
Right Out: 1.704+/-0.046 χ^2/NDF: 81335.5/20

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign 0.388+/-0.033 χ^2/NDF: 238354.2/42

All: 0.300+/-0.022 χ^2/NDF: 451004.1/86

- sign 0.230+/-0.030 χ^2/NDF: 212637.3/43



Right In: -1.022+/-0.067 χ^2/NDF: 7223.2/18

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

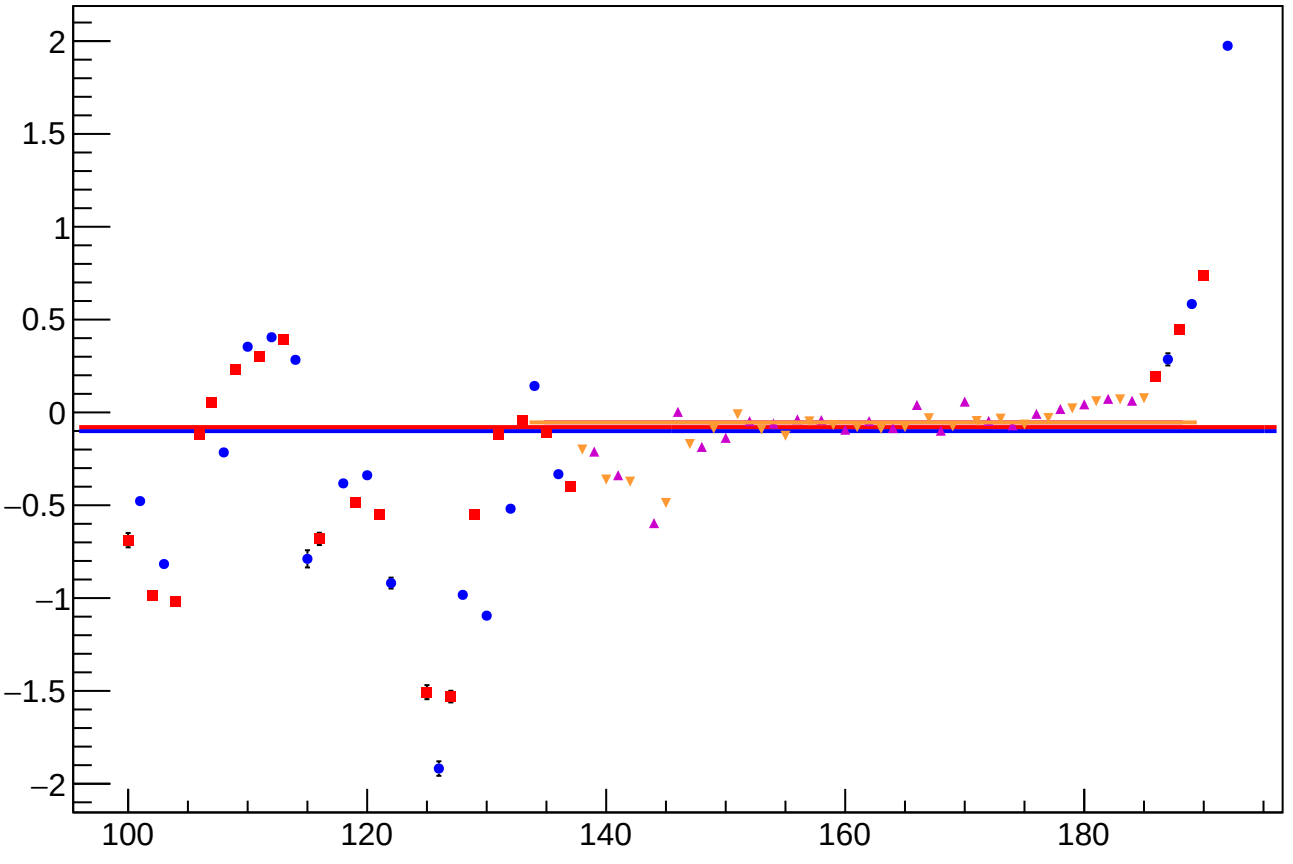
Right Out: -1.238+/-0.061 χ^2/NDF: 2690.0/20

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.329+/-0.032 χ^2/NDF: 11892.3/42

All: -1.195+/-0.022 χ^2/NDF: 21670.9/86

- sign -1.078+/-0.030 χ^2/NDF: 9746.2/43



Right In: -0.101+/-0.004 χ^2/NDF: 30581.8/18

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

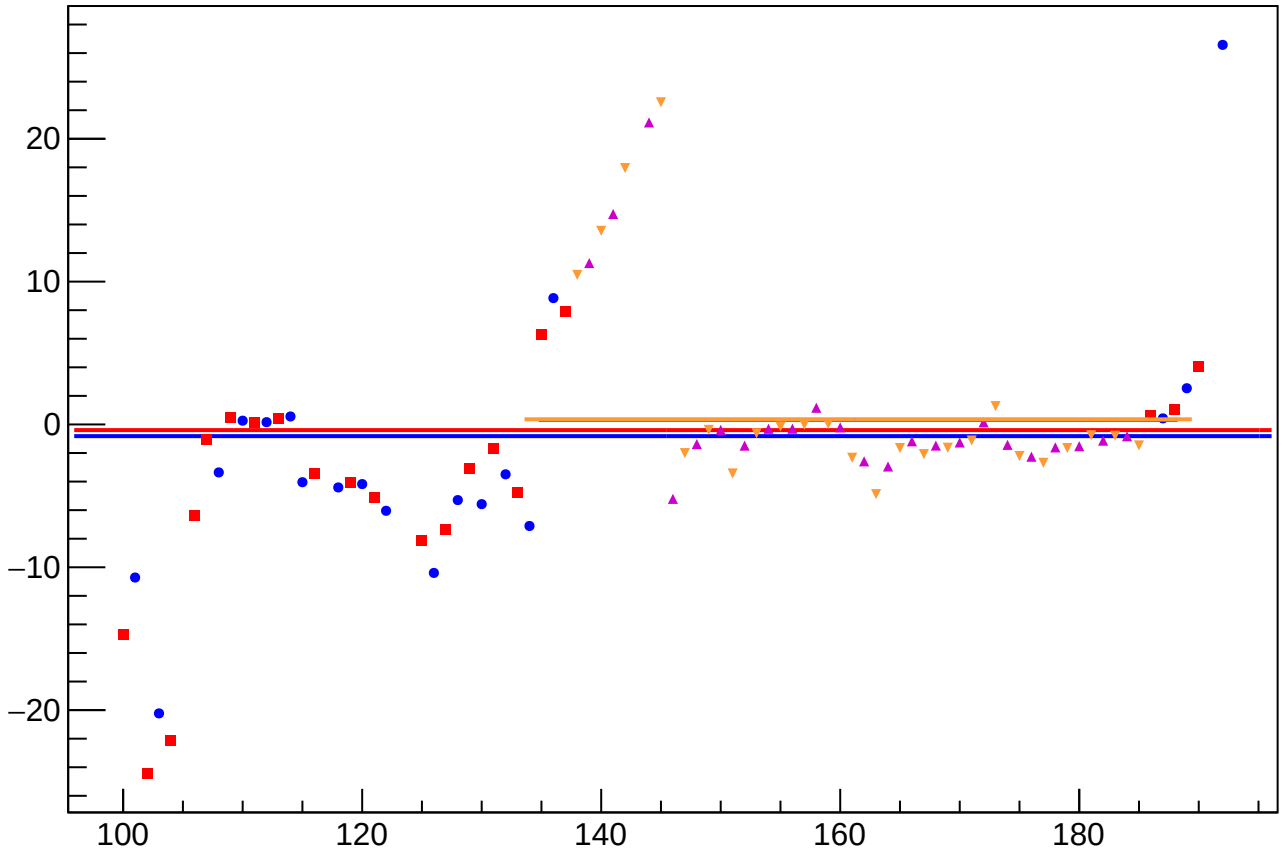
Right Out: -0.079+/-0.004 χ^2/NDF: 18488.6/20

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.060+/-0.001 χ^2/NDF: 35046.4/42

All: -0.059+/-0.001 χ^2/NDF: 58593.2/86

- sign -0.057+/-0.001 χ^2/NDF: 23543.9/43



Right In: -0.819+/-0.018 χ^2/NDF: 108412.9/18

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

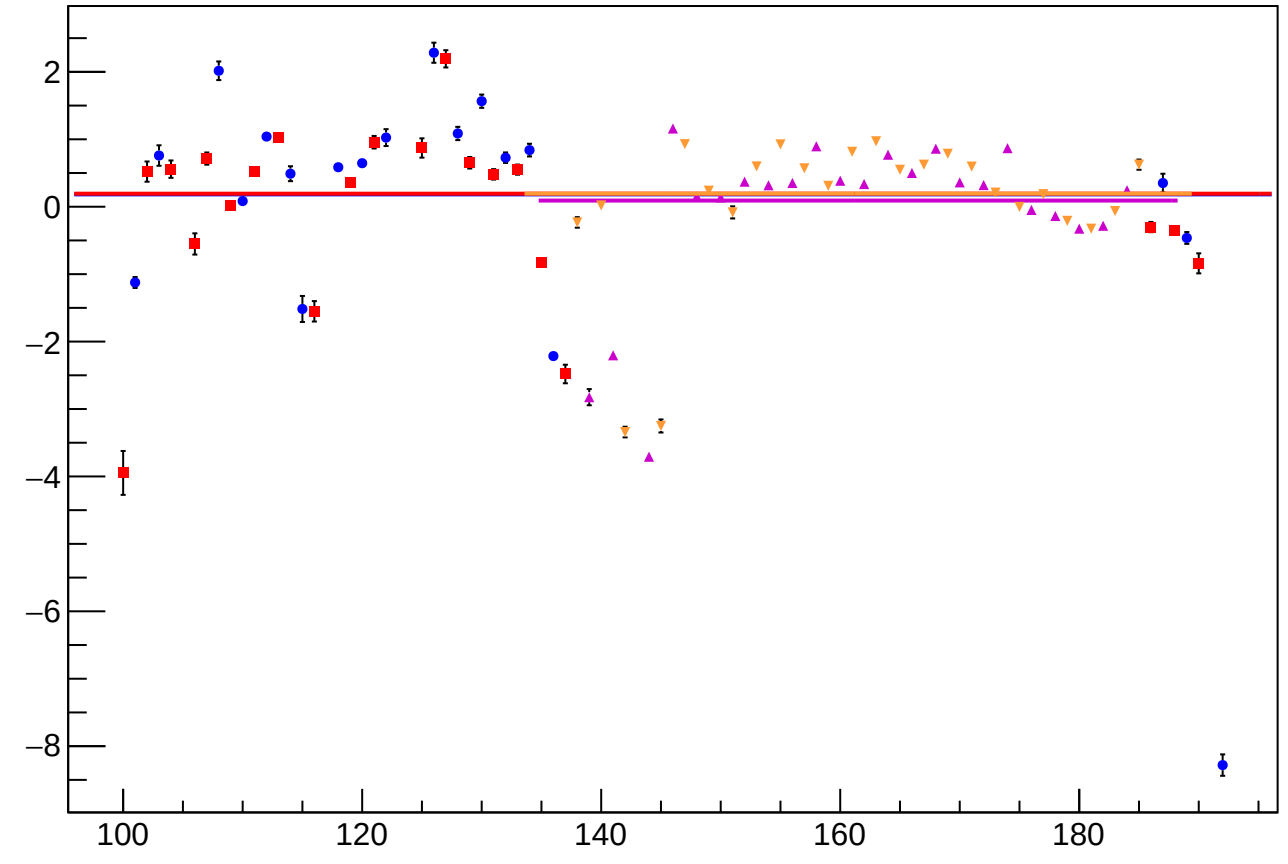
Right Out: -0.397+/-0.014 χ^2/NDF: 82005.8/20

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign -0.089+/-0.011 χ^2/NDF: 239985.1/42

All: -0.055+/-0.007 χ^2/NDF: 453556.4/86

- sign -0.028+/-0.010 χ^2/NDF: 213553.7/43



Right In: 0.183+/-0.020 χ^2/NDF: 5510.9/18

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

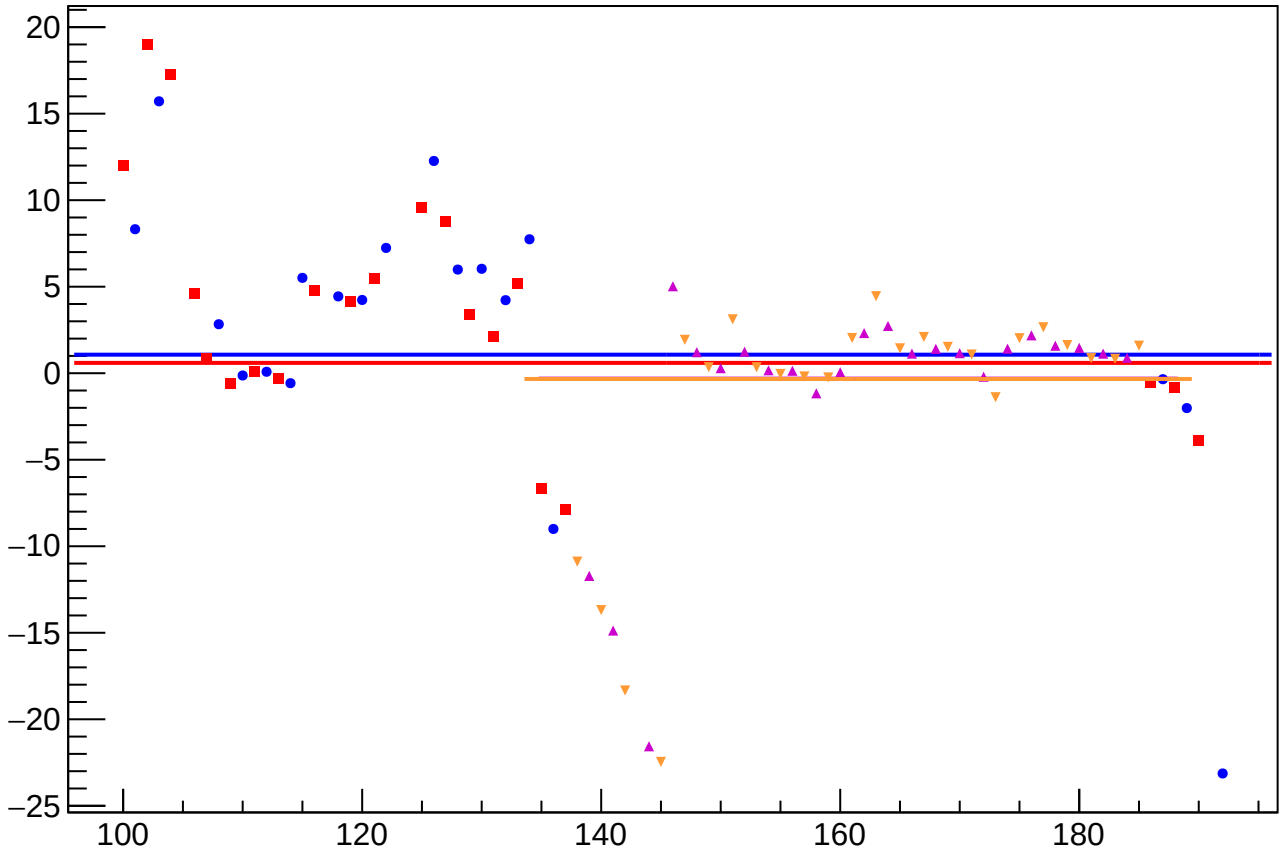
Right Out: 0.193+/-0.018 χ^2/NDF: 1803.9/20

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.192+/-0.010 χ^2/NDF: 10156.2/42

All: 0.153+/-0.007 χ^2/NDF: 18950.3/86

- sign 0.119+/-0.009 χ^2/NDF: 8764.6/43



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

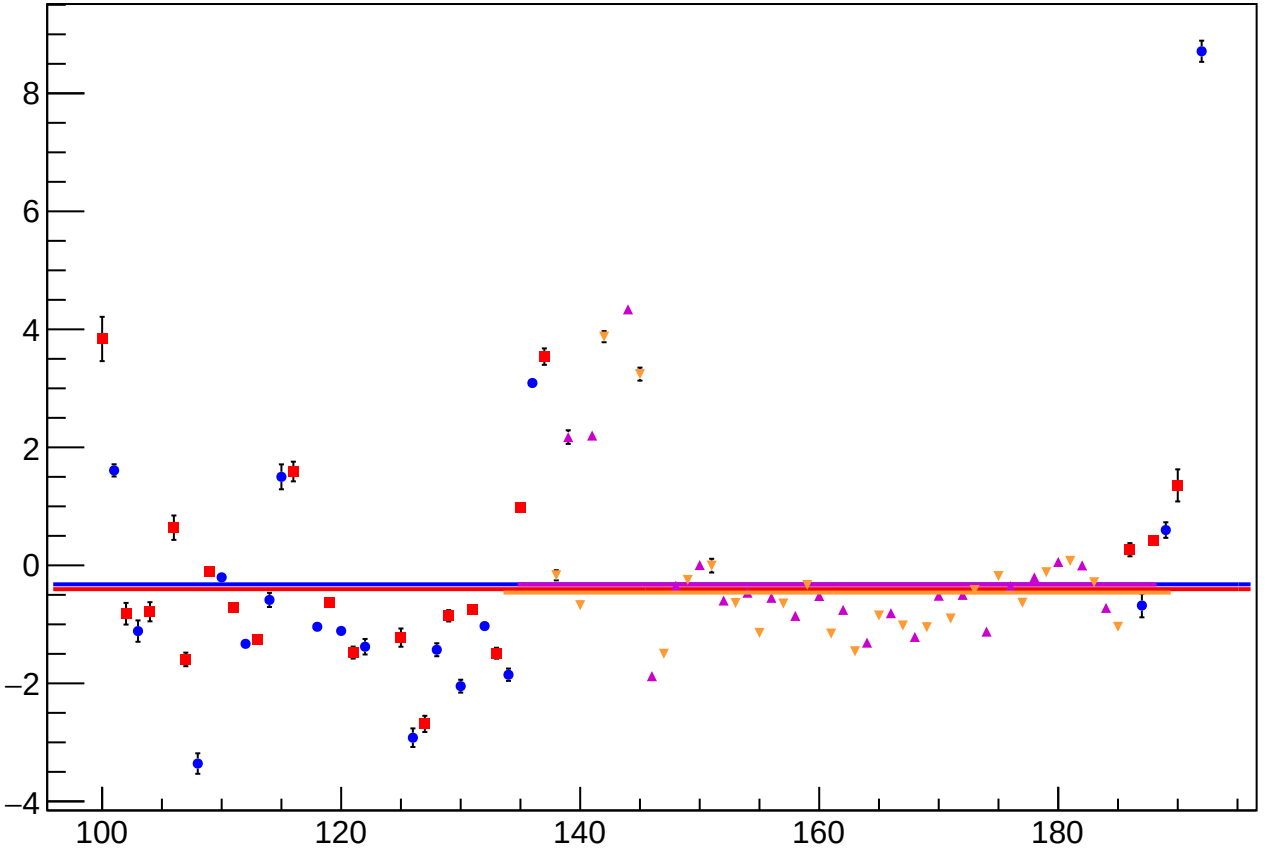
Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign 0.124+/-0.011 χ^2/NDF: 234477.8/42

All: 0.096+/-0.008 χ^2/NDF: 443333.7/86

- sign 0.074+/-0.010 χ^2/NDF: 208845.2/43

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.322+/-0.023 χ^2/NDF: 7088.1/18

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

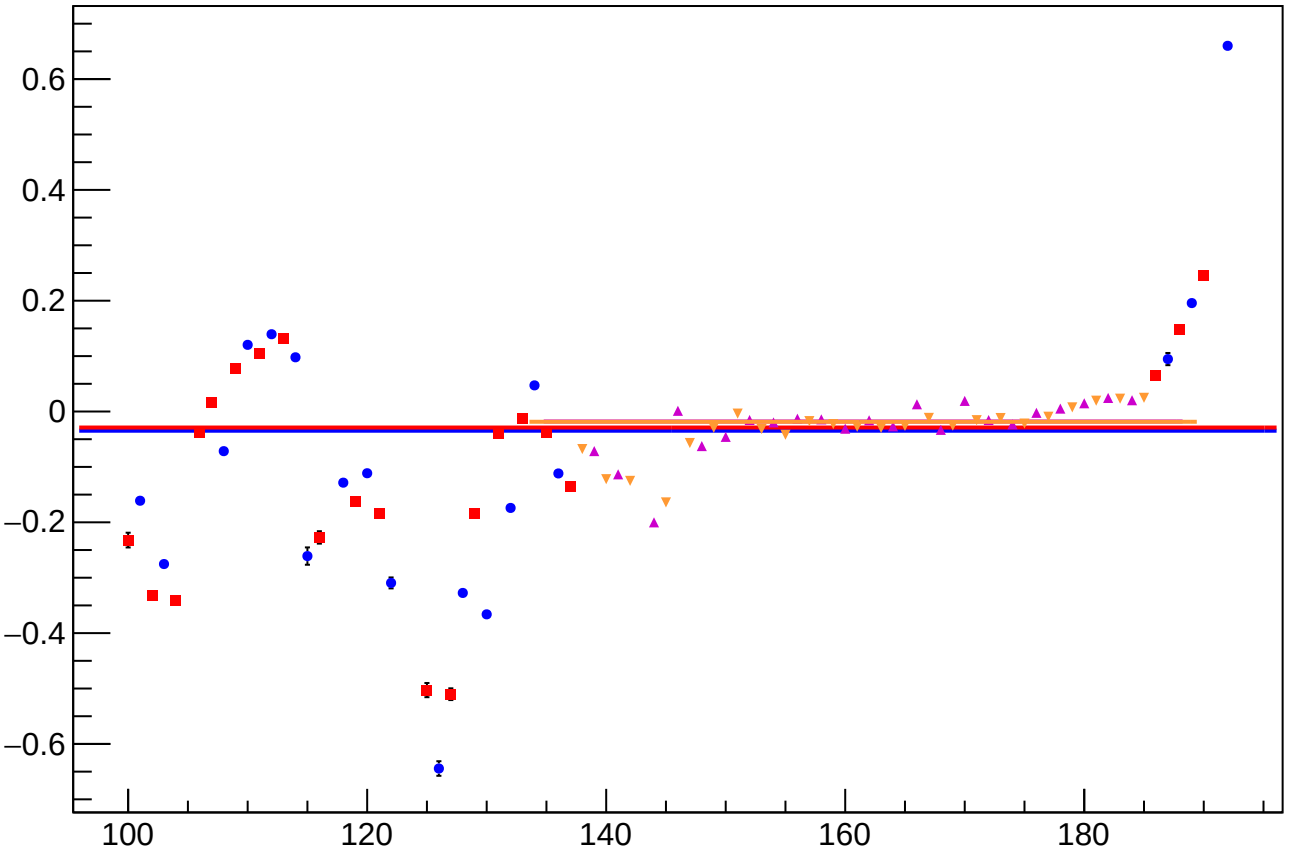
Right Out: -0.404+/-0.021 χ^2/NDF: 2639.0/20

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.430+/-0.011 χ^2/NDF: 11696.7/42

All: -0.384+/-0.008 χ^2/NDF: 21261.7/86

- sign -0.343+/-0.010 χ^2/NDF: 9532.0/43



Right In: -0.035+/-0.001 χ^2/NDF: 30090.2/18

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

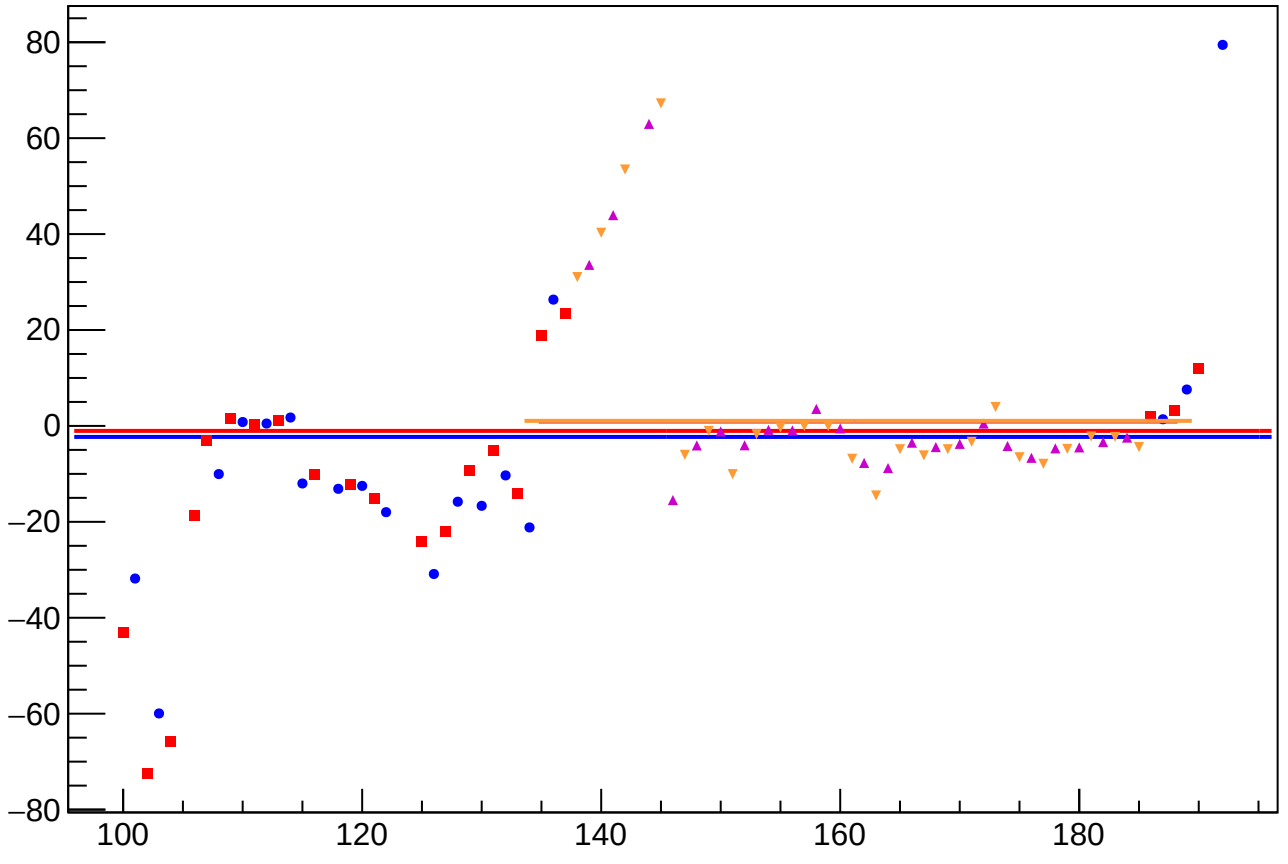
Right Out: -0.029+/-0.001 χ^2/NDF: 17964.3/20

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.021+/-0.001 χ^2/NDF: 34444.3/42

All: -0.020+/-0.000 χ^2/NDF: 57359.2/86

- sign -0.020+/-0.000 χ^2/NDF: 22911.8/43



Right In: -2.295+/-0.051 χ^2/NDF: 110329.0/18

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

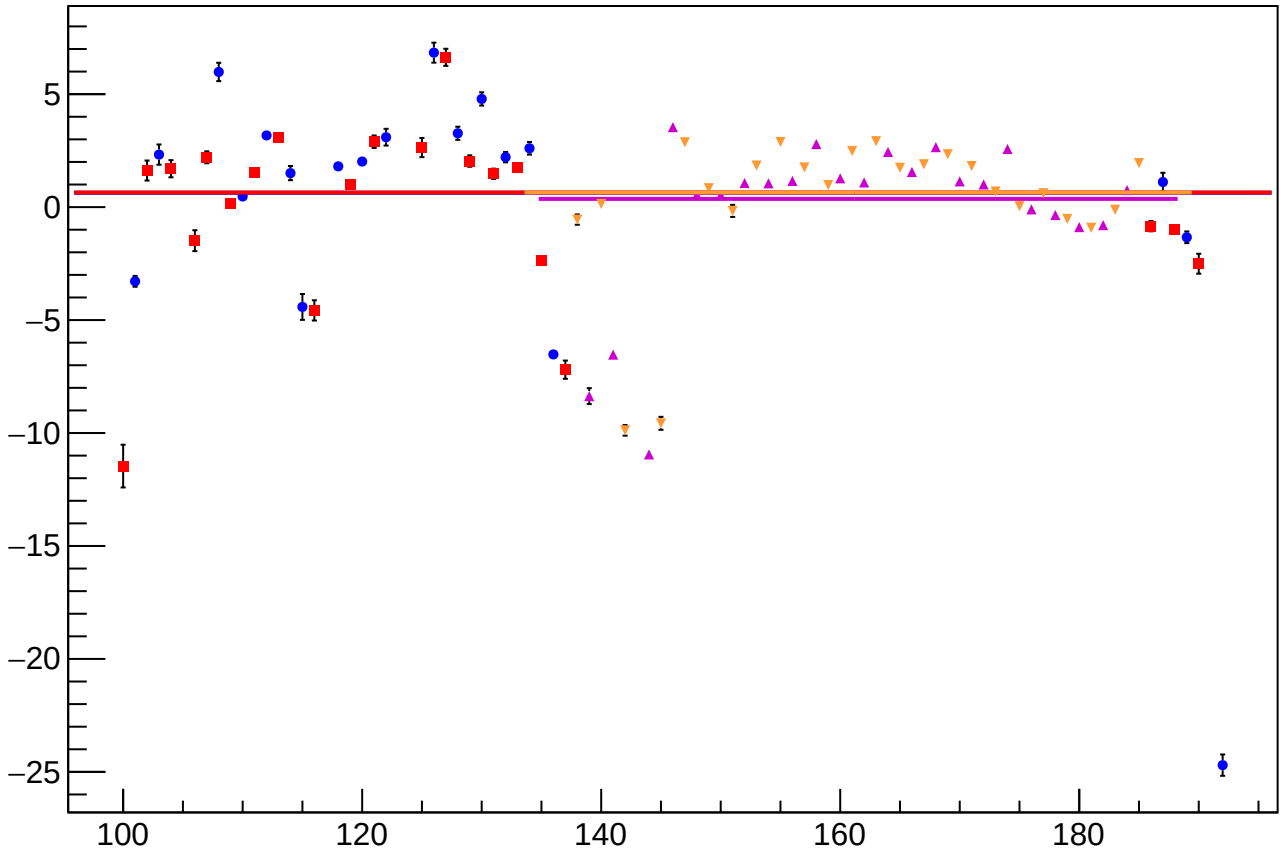
Right Out: -1.035+/-0.041 χ^2/NDF: 83542.3/20

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign -0.226+/-0.032 χ^2/NDF: 243958.3/42

All: -0.120+/-0.021 χ^2/NDF: 461509.2/86

- sign -0.036+/-0.028 χ^2/NDF: 217531.1/43



Right In: 0.636+/-0.058 χ^2/NDF: 5610.0/18

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

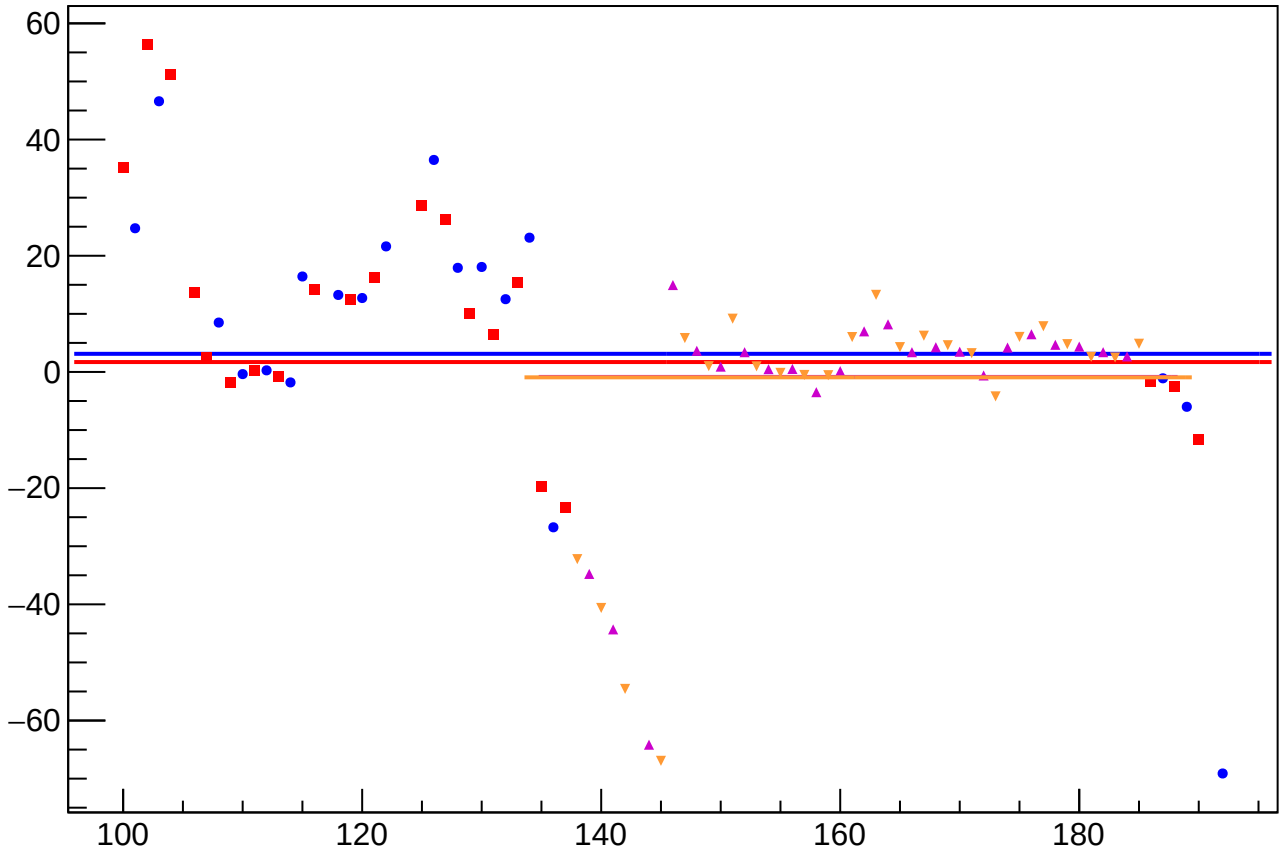
Right Out: 0.647+/-0.052 χ^2/NDF: 1841.2/20

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.648+/-0.029 χ^2/NDF: 10318.9/42

All: 0.537+/-0.020 χ^2/NDF: 19332.2/86

- sign 0.440+/-0.027 χ^2/NDF: 8985.4/43



Right In: 3.120+/-0.058 χ^2/NDF: 108750.2/18

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

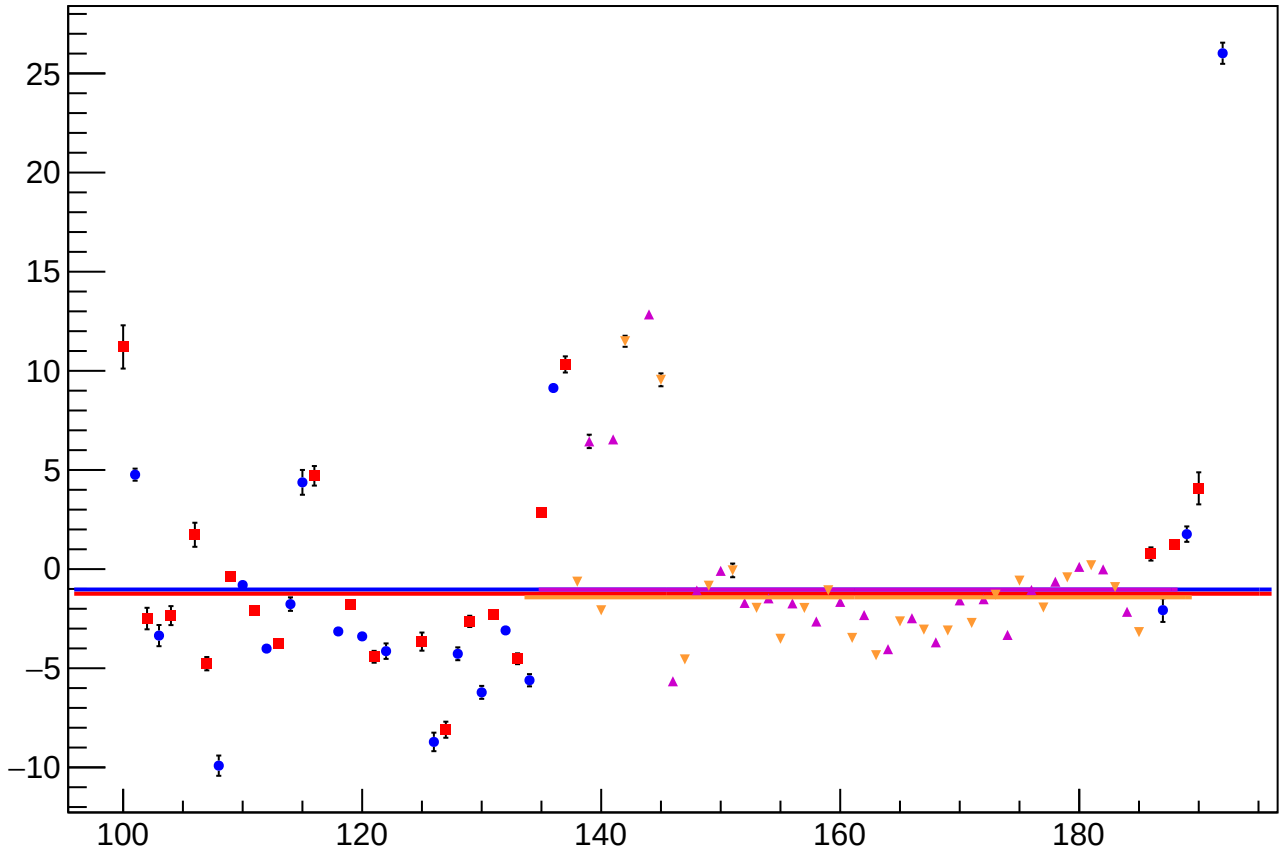
Right Out: 1.704+/-0.046 χ^2/NDF: 81344.0/20

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign 0.388+/-0.033 χ^2/NDF: 238355.4/42

All: 0.301+/-0.022 χ^2/NDF: 451017.5/86

- sign 0.231+/-0.030 χ^2/NDF: 212649.7/43



Right In: -1.029+/-0.067 χ^2/NDF: 7224.7/18

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

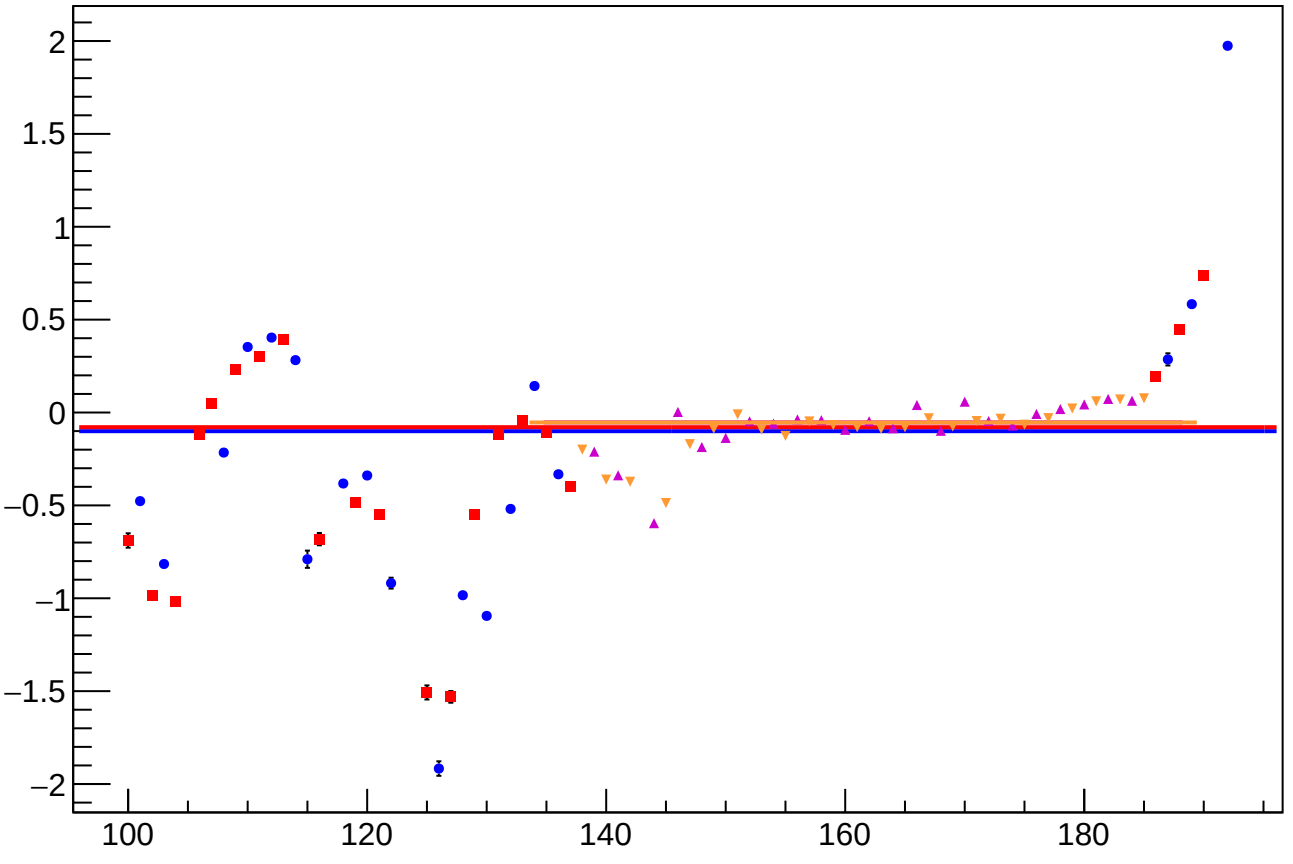
Right Out: -1.243+/-0.061 χ^2/NDF: 2687.1/20

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.334+/-0.032 χ^2/NDF: 11891.0/42

All: -1.201+/-0.022 χ^2/NDF: 21670.7/86

- sign -1.084+/-0.030 χ^2/NDF: 9747.5/43



Right In: -0.101+/-0.004 χ^2/NDF: 30587.8/18

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

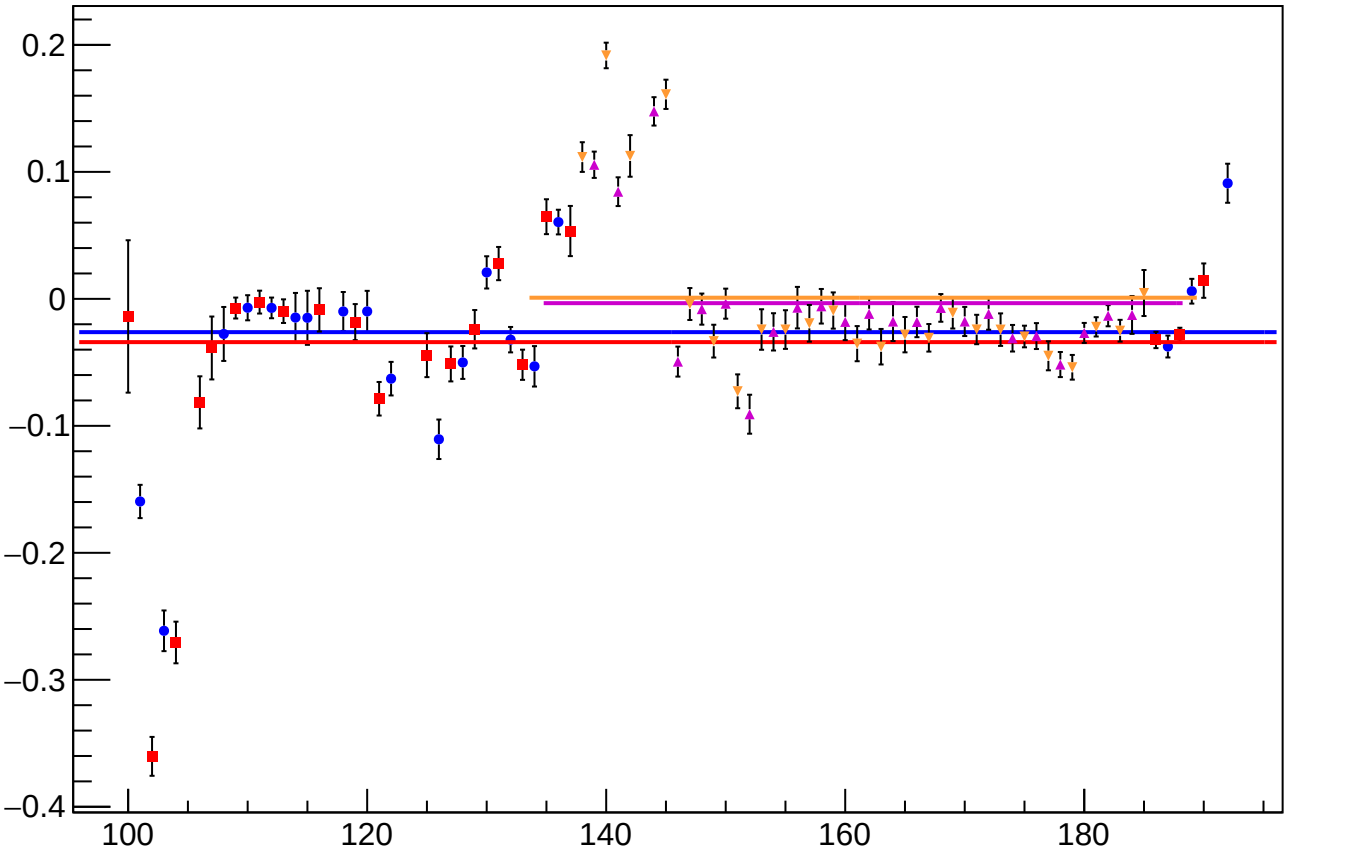
Right Out: -0.079+/-0.004 χ^2/NDF: 18498.8/20

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.060+/-0.001 χ^2/NDF: 35054.1/42

All: -0.059+/-0.001 χ^2/NDF: 58614.2/86

- sign -0.057+/-0.001 χ^2/NDF: 23557.3/43



Right In: -0.026+/-0.003 χ^2/NDF: 539.1/18

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

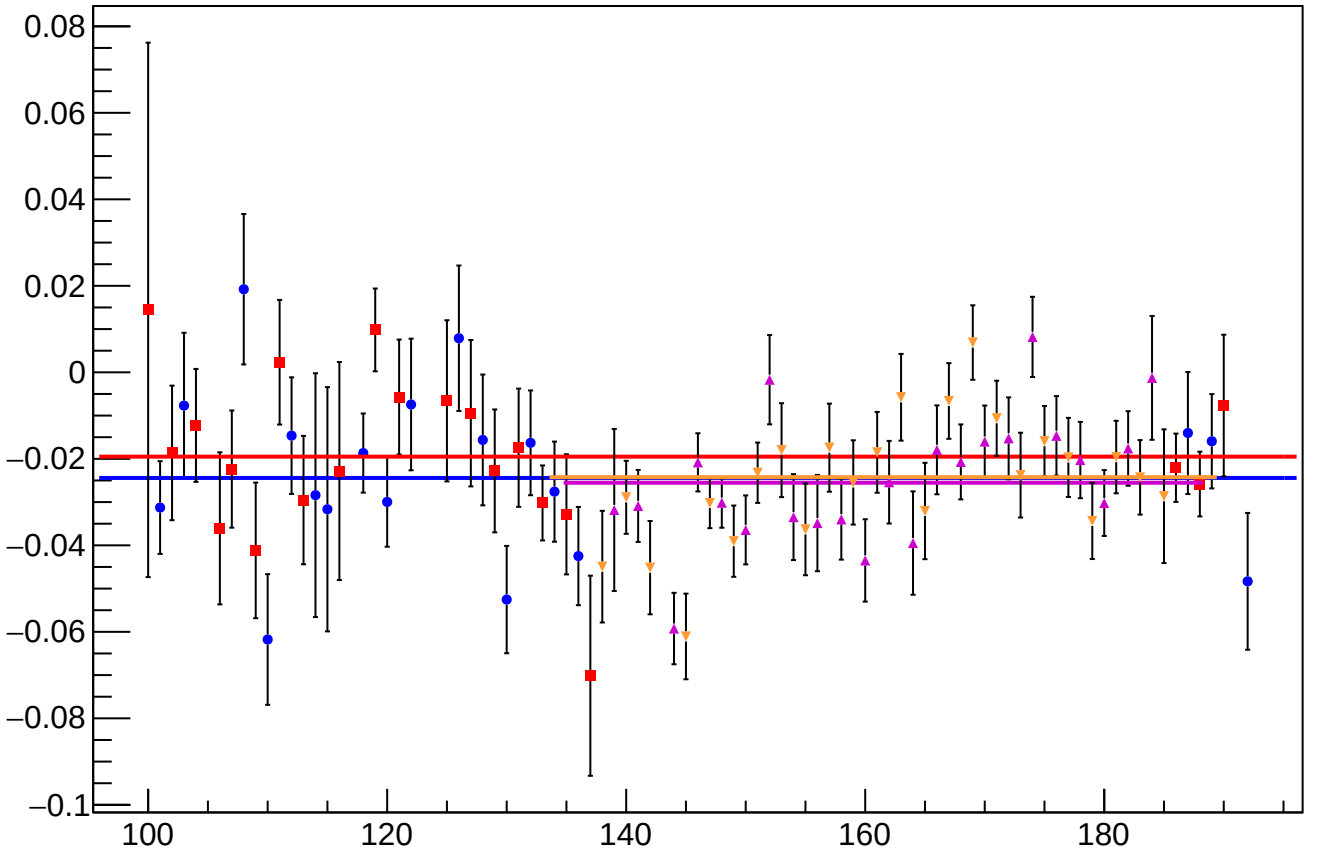
Right Out: -0.034+/-0.002 χ^2/NDF: 824.2/20

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.010+/-0.002 χ^2/NDF: 1442.4/42

All: -0.015+/-0.001 χ^2/NDF: 2813.2/86

- sign -0.018+/-0.002 χ^2/NDF: 1361.1/43



Right In: -0.024+/-0.003 χ^2/NDF: 32.0/18

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

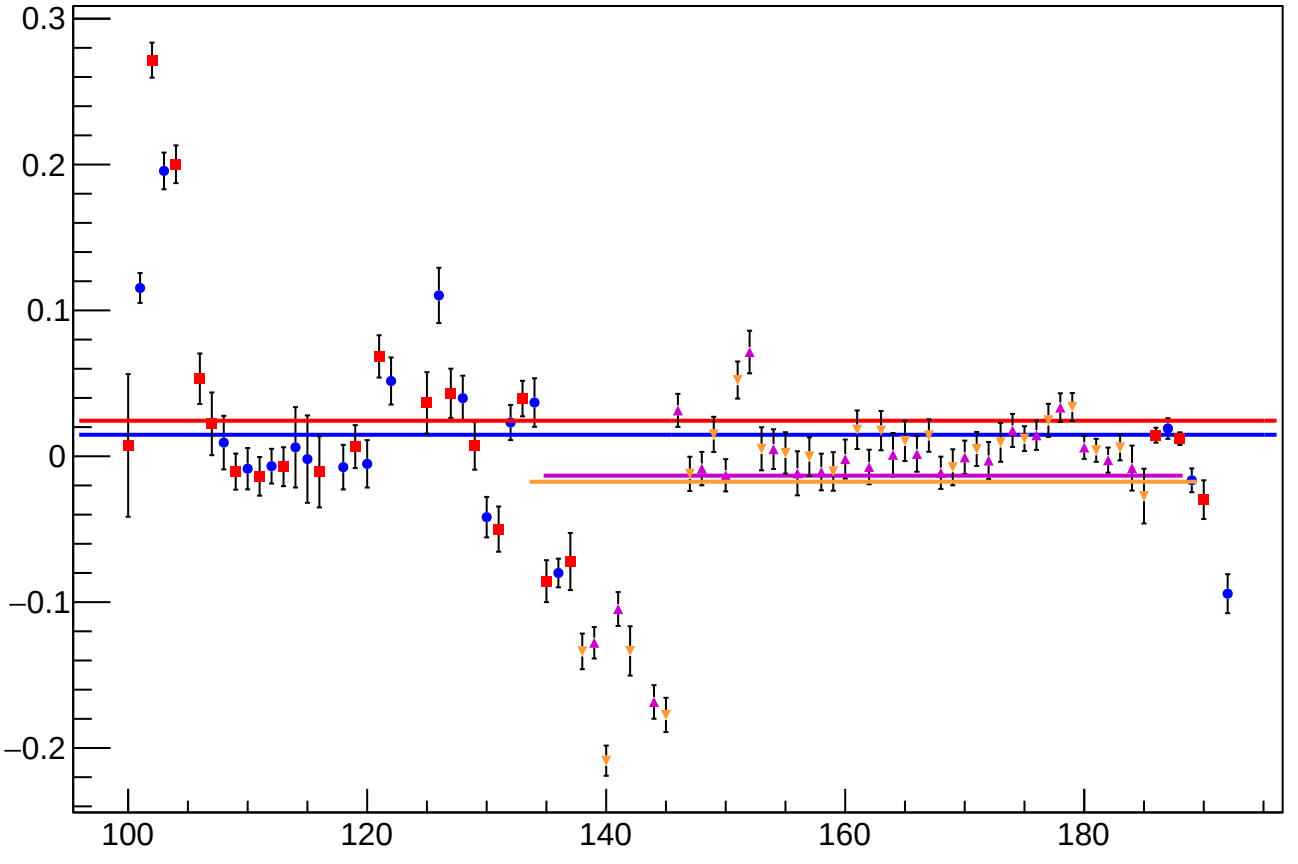
Right Out: -0.019+/-0.003 χ^2/NDF: 26.2/20

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 85.7/42

All: -0.024+/-0.001 χ^2/NDF: 170.2/86

- sign -0.024+/-0.002 χ^2/NDF: 84.3/43



Right In: 0.015+/-0.003 χ^2/NDF: 539.9/18

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

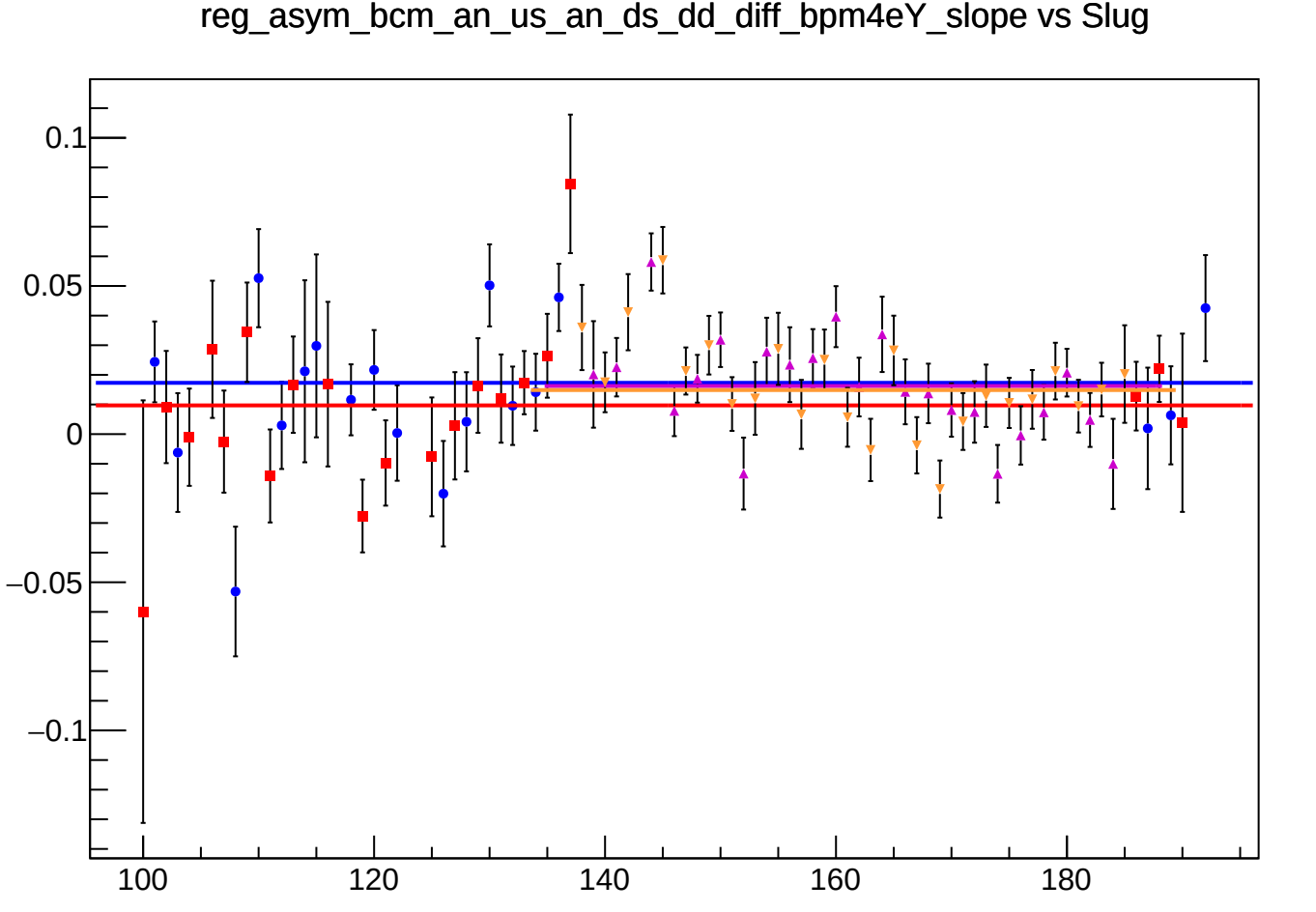
Right Out: 0.024+/-0.002 χ^2/NDF: 785.3/20

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.004+/-0.002 χ^2/NDF: 1425.5/42

All: 0.001+/-0.001 χ^2/NDF: 2808.4/86

- sign 0.005+/-0.002 χ^2/NDF: 1367.4/43



Right In: 0.017+/-0.004 χ^2/NDF: 39.6/18

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

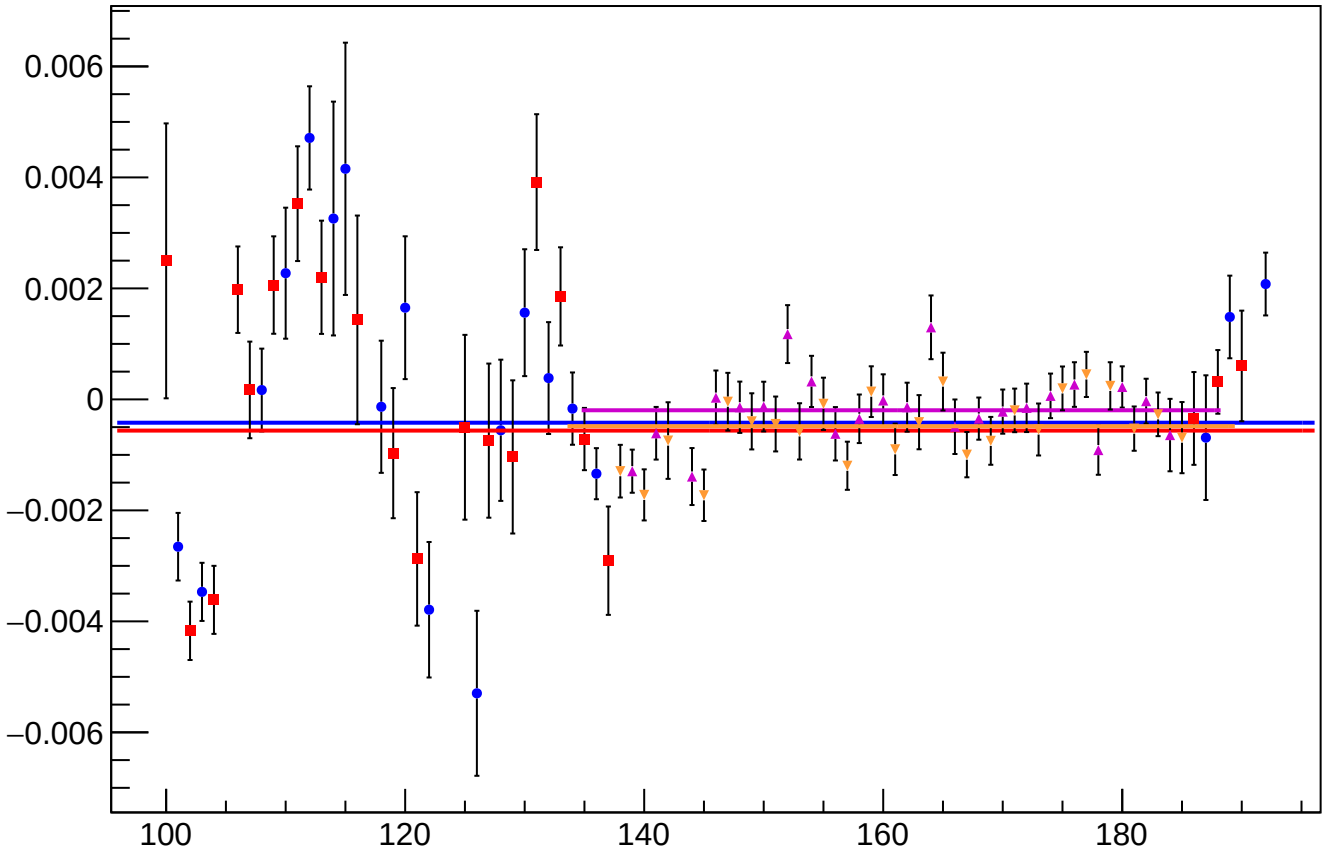
Right Out: 0.010+/-0.003 χ^2/NDF: 32.9/20

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.015+/-0.002 χ^2/NDF: 92.0/42

All: 0.015+/-0.001 χ^2/NDF: 185.7/86

- sign 0.014+/-0.002 χ^2/NDF: 93.5/43



Right In: -0.000+/-0.000 χ^2/NDF: 145.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

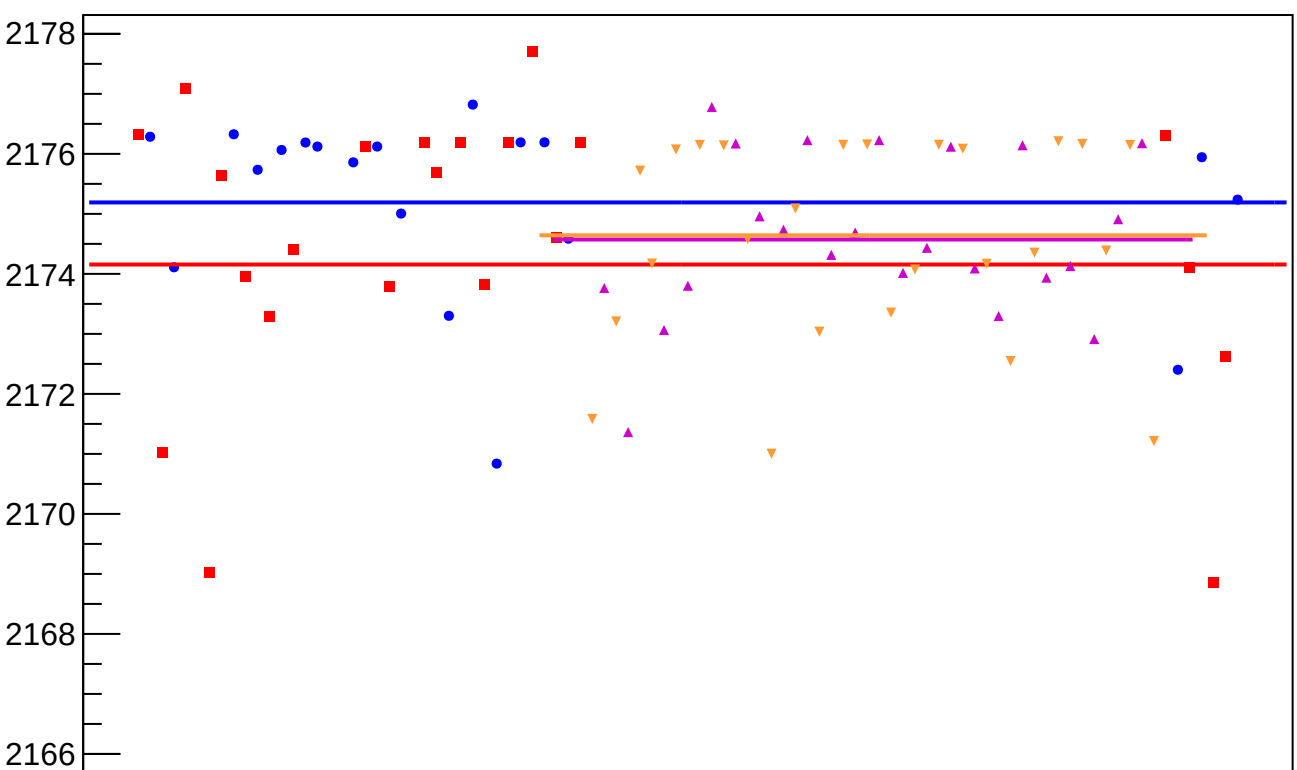
Right Out: -0.001+/-0.000 χ^2/NDF: 152.1/20

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 186.6/42

All: -0.000+/-0.000 χ^2/NDF: 381.9/86

- sign -0.000+/-0.000 χ^2/NDF: 192.3/43



Right In: 2175.191+/-0.000 χ^2/NDF: 19443301095165628949279695899197440/18

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517120/24

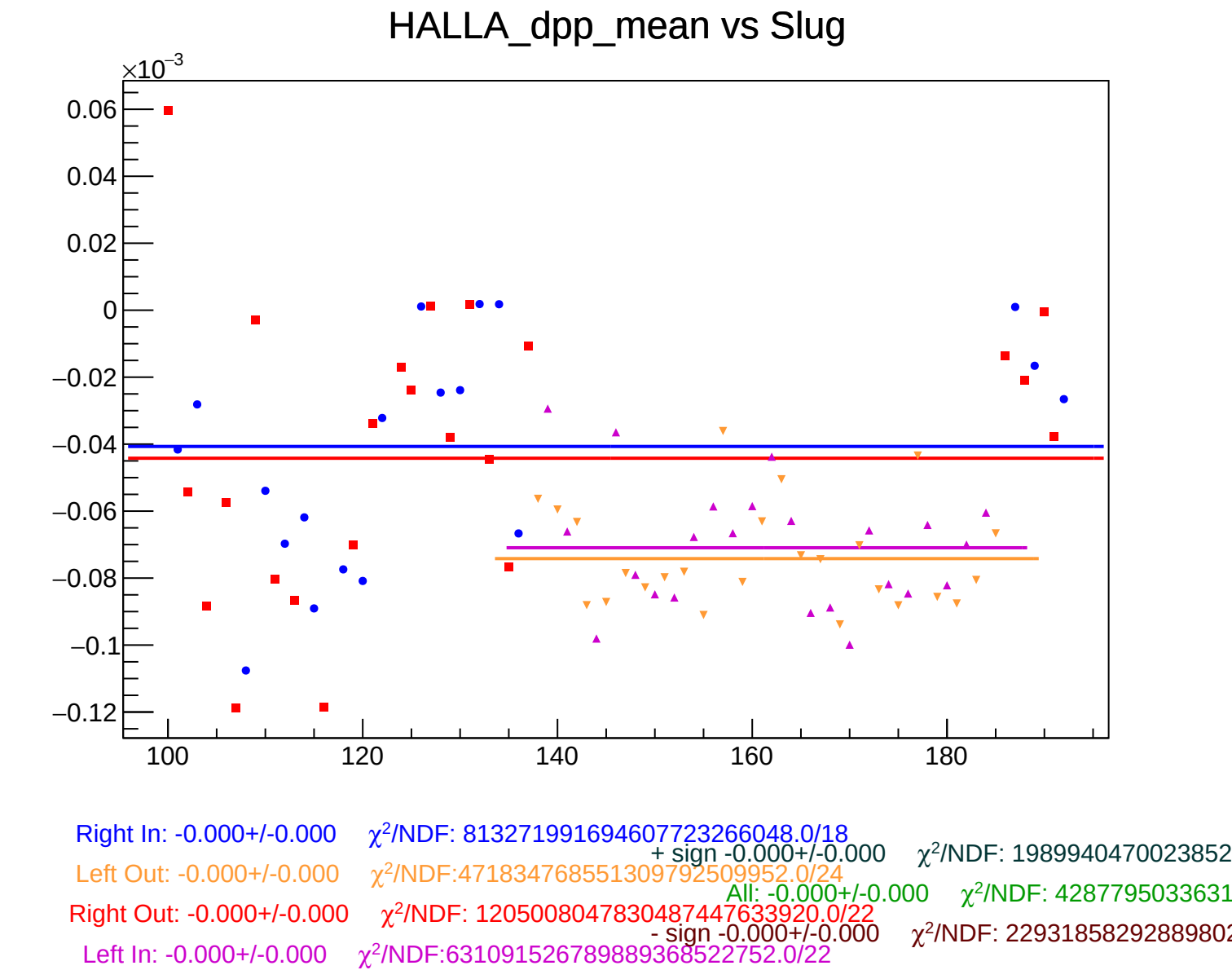
Right Out: 2174.156+/-0.000 χ^2/NDF: 67432037459537052393248763873853440/22

Left In: 2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291520/22

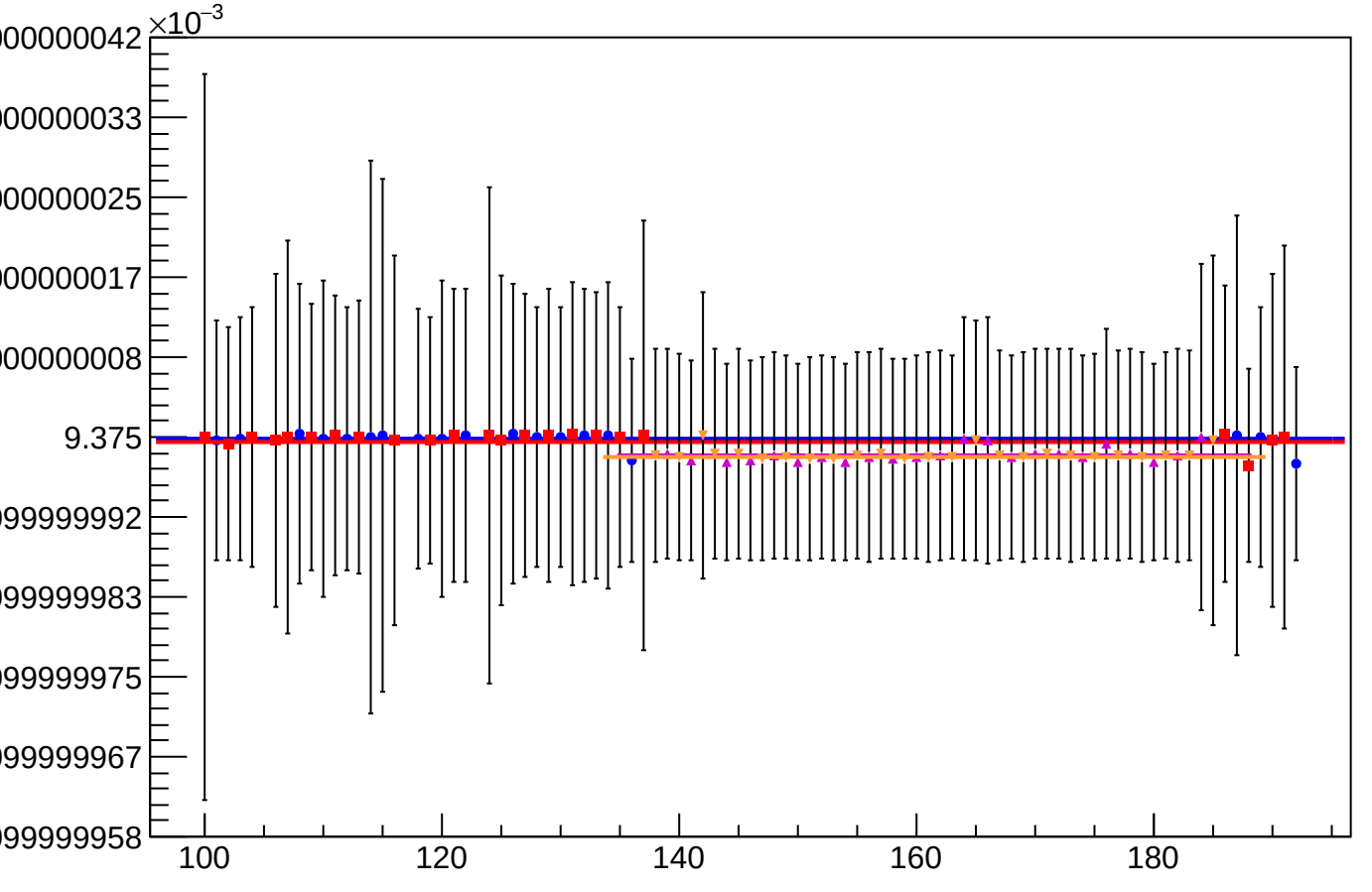
+ sign 2174.813+/-0.000 χ^2/NDF: 7344652882838

All: 2174.625+/-0.000 χ^2/NDF: 178398071

- sign 2174.433+/-0.000 χ^2/NDF: 10285600069774


HALLA_dpp_mean vs Slug
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 8132719916946077232660480.0/18
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 1205008047830487447633920.0/22
Left In: -0.000+/-0.000 χ²/NDF:6310915267898893685227520.0/22
+ sign -0.000+/-0.000 χ²/NDF: 1989940470023852
All: -0.000+/-0.000 χ²/NDF: 4287795033631
- sign -0.000+/-0.000 χ²/NDF: 2293185829288980

MQ171LM_mean vs Slug



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

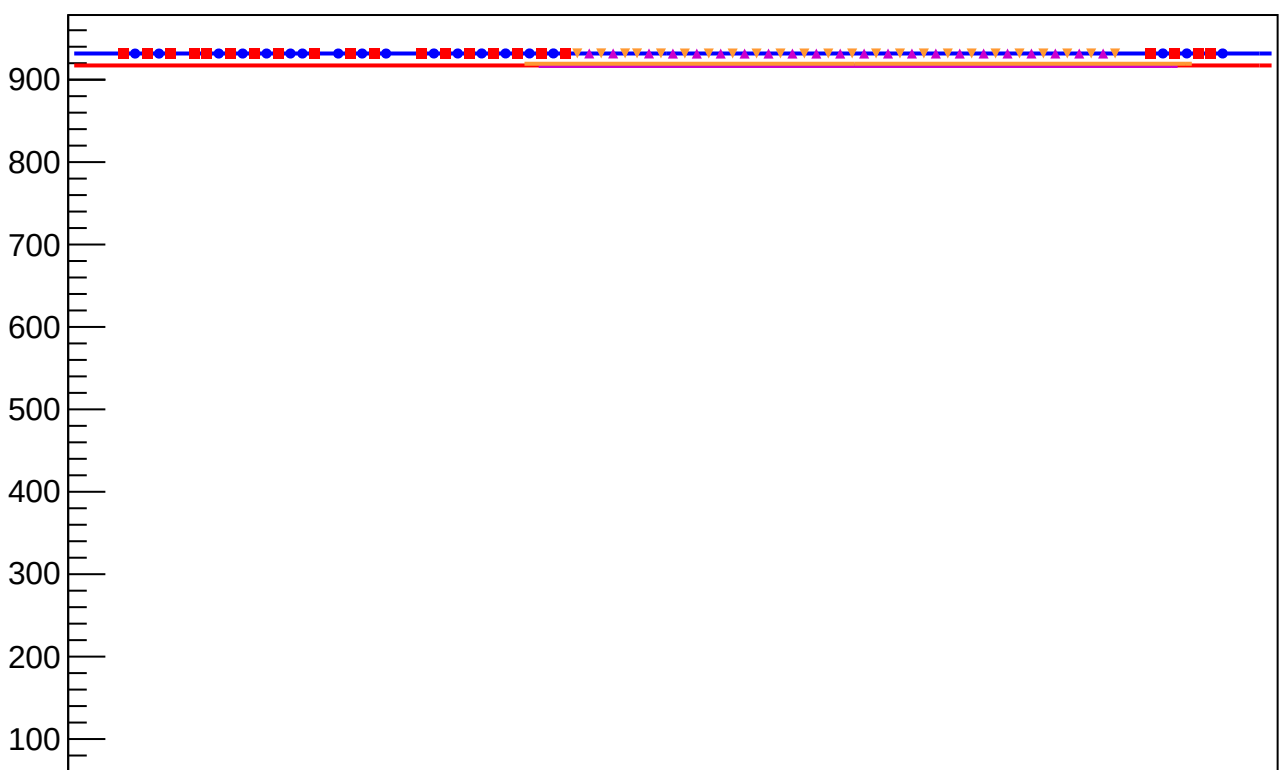
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/43

All: 0.009+/-0.000 χ^2/NDF: 0.6/89

- sign 0.009+/-0.000 χ^2/NDF: 0.3/45

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.778+/-0.000 χ^2/NDF: 3176747616642159526301600317440.0/18

+ sign 923.217+/-0.000 χ^2/NDF: 231181855837805

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812243648.0/24

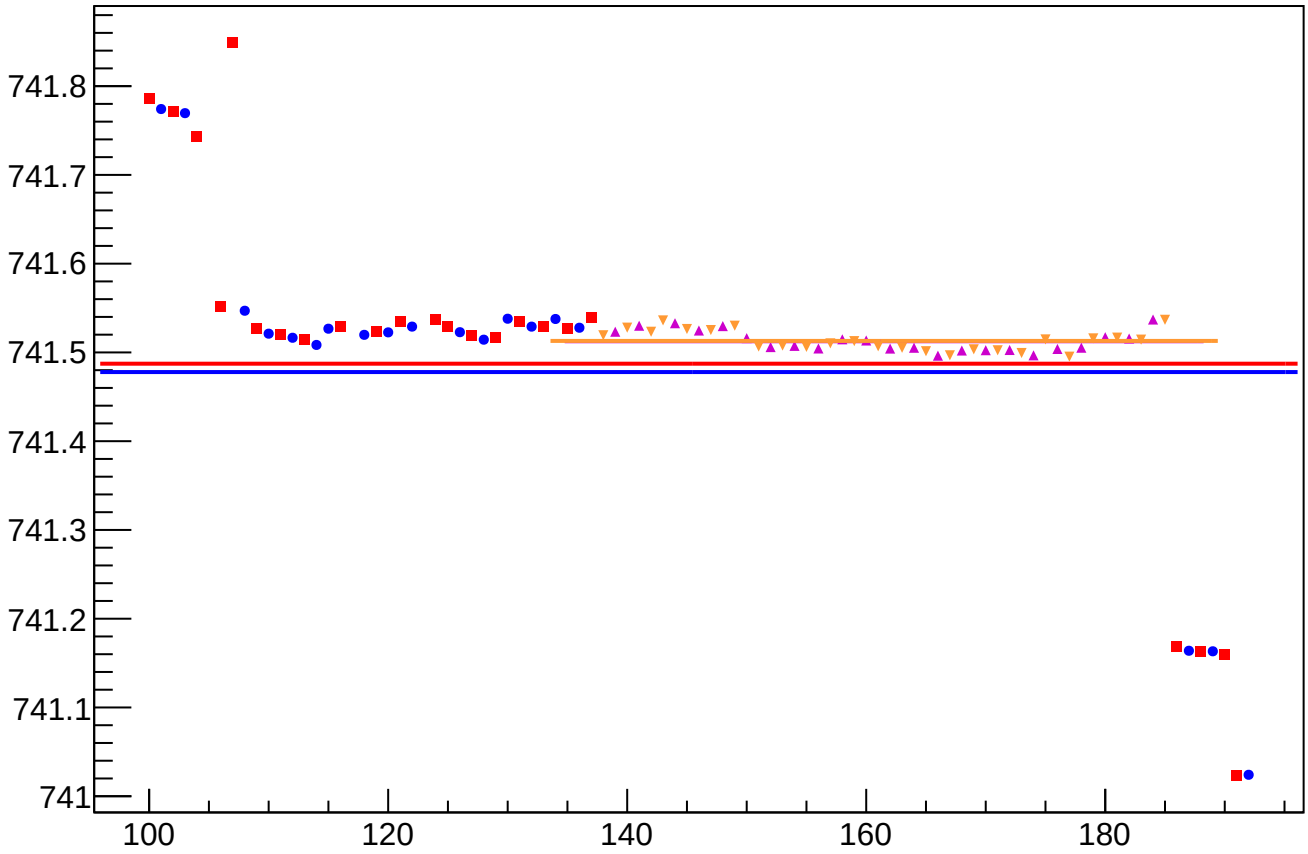
All: 920.072+/-0.000 χ^2/NDF: 623662333702

Right Out: 917.267+/-0.000 χ^2/NDF: 1281948850864890114548061433834871193 6.0/22

- sign 916.860+/-0.000 χ^2/NDF: 391894735632252

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.478+/-0.000 χ^2/NDF: 399580919227528986028687669329920/18

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005120/24

Right Out: 741.487+/-0.000 χ^2/NDF: 375277351098914662291905362001920/22

Left In: 741.513+/-0.000 χ^2/NDF:2347039830300854231858958827520/22

+ sign 741.502+/-0.000 χ^2/NDF: 409835020751837

All: 741.503+/-0.000 χ^2/NDF: 791607204004

- sign 741.504+/-0.000 χ^2/NDF: 381711377527823

HacL_Q3_HP3458A_IOUT_mean vs Slug

Right In: 980.802+/-0.000 χ^2/NDF: 950694022269154010795211751424.0/18

+ sign 971.762+/-0.000 χ^2/NDF: 256133721832545

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

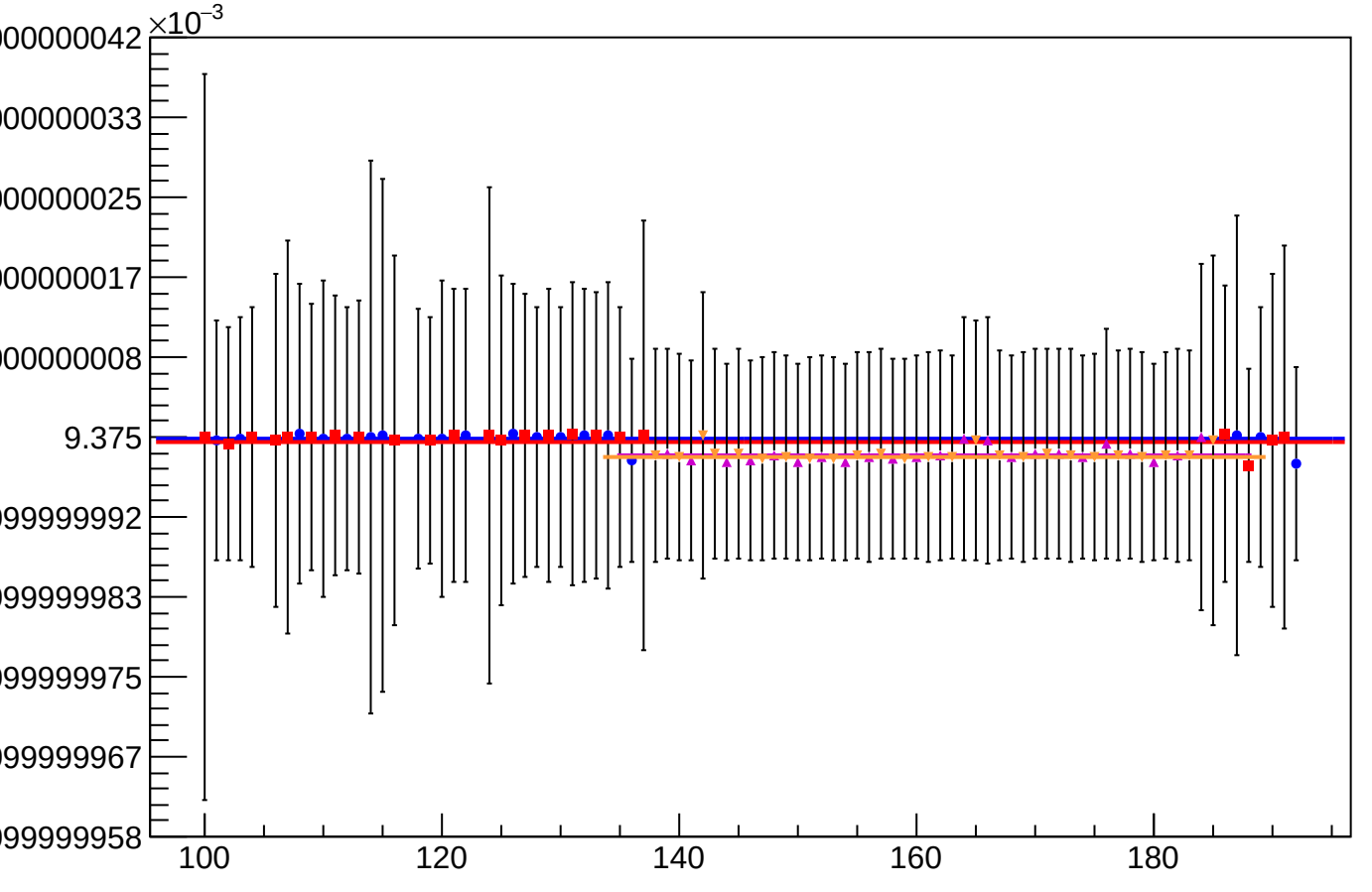
All: 970.986+/-0.000 χ^2/NDF: 549946822292

Right Out: 980.759+/-0.000 χ^2/NDF: 6168284559664557600033703618150 4.0/22

- sign 970.193+/-0.000 χ^2/NDF: 293777391252109

Left In: 964.854+/-0.000 χ^2/NDF:2921583896010307878411284562824501 6576.0/22

MQ172RM_mean vs Slug



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

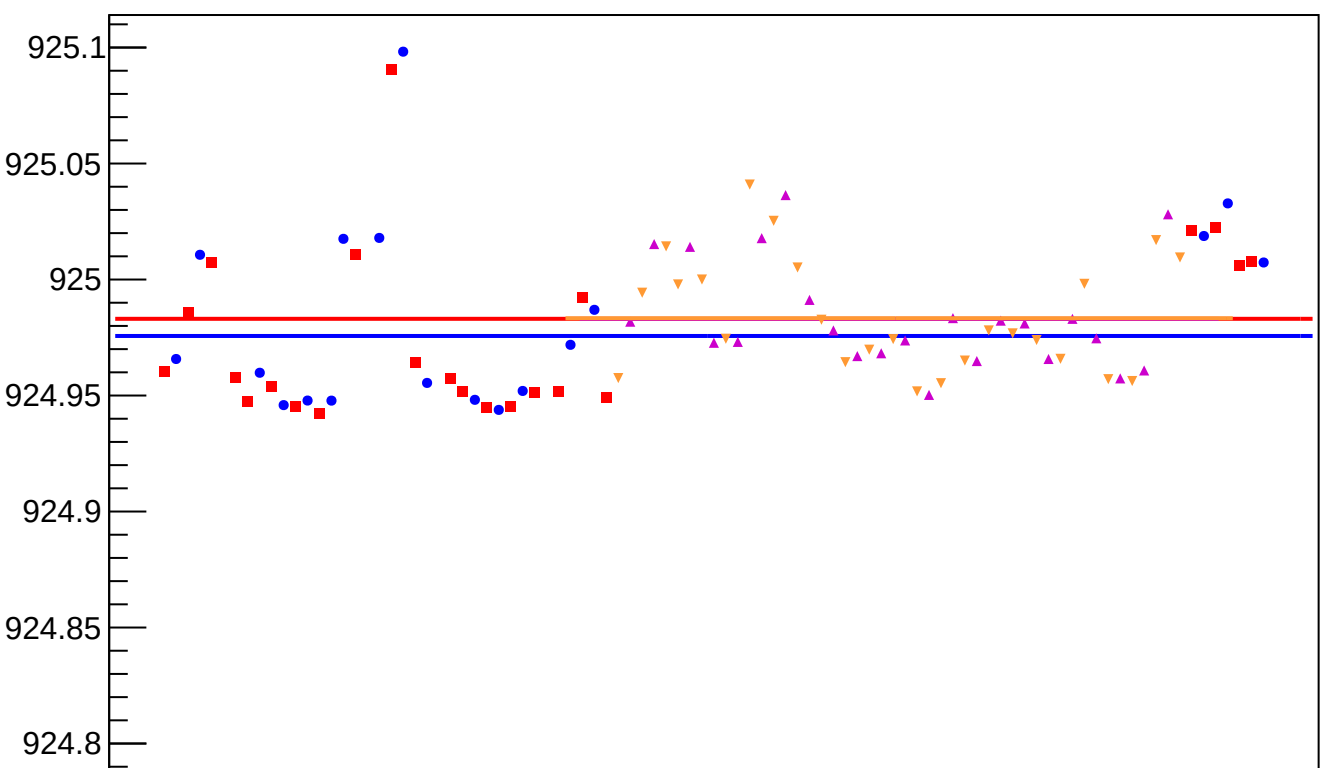
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/43

All: 0.009+/-0.000 χ^2/NDF: 0.6/89

- sign 0.009+/-0.000 χ^2/NDF: 0.3/45

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.976+/-0.000 χ^2/NDF: 29206166353605745509510131220 48.0/18

+ sign 924.981+/-0.000 χ^2/NDF: 411836502656543

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

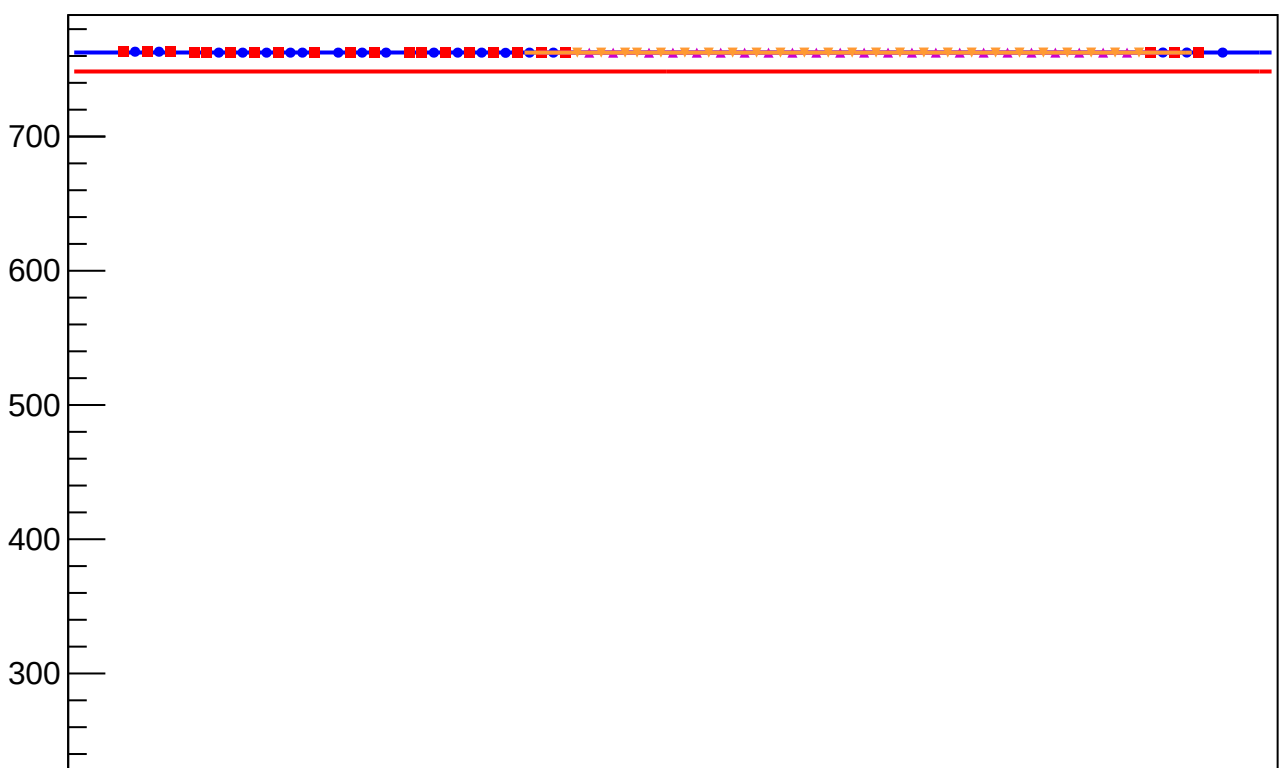
All: 924.982+/-0.000 χ^2/NDF: 660381607911

Right Out: 924.983+/-0.000 χ^2/NDF: 1550802098346976465528331173888.0/22

- sign 924.983+/-0.000 χ^2/NDF: 247907454676615

Left In: 924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.599+/-0.000 χ^2/NDF: 5278783781991227911344405400780 8.0/18

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: 748.448+/-0.000 χ^2/NDF: 724723186207276714133310456631971020 8.0/22

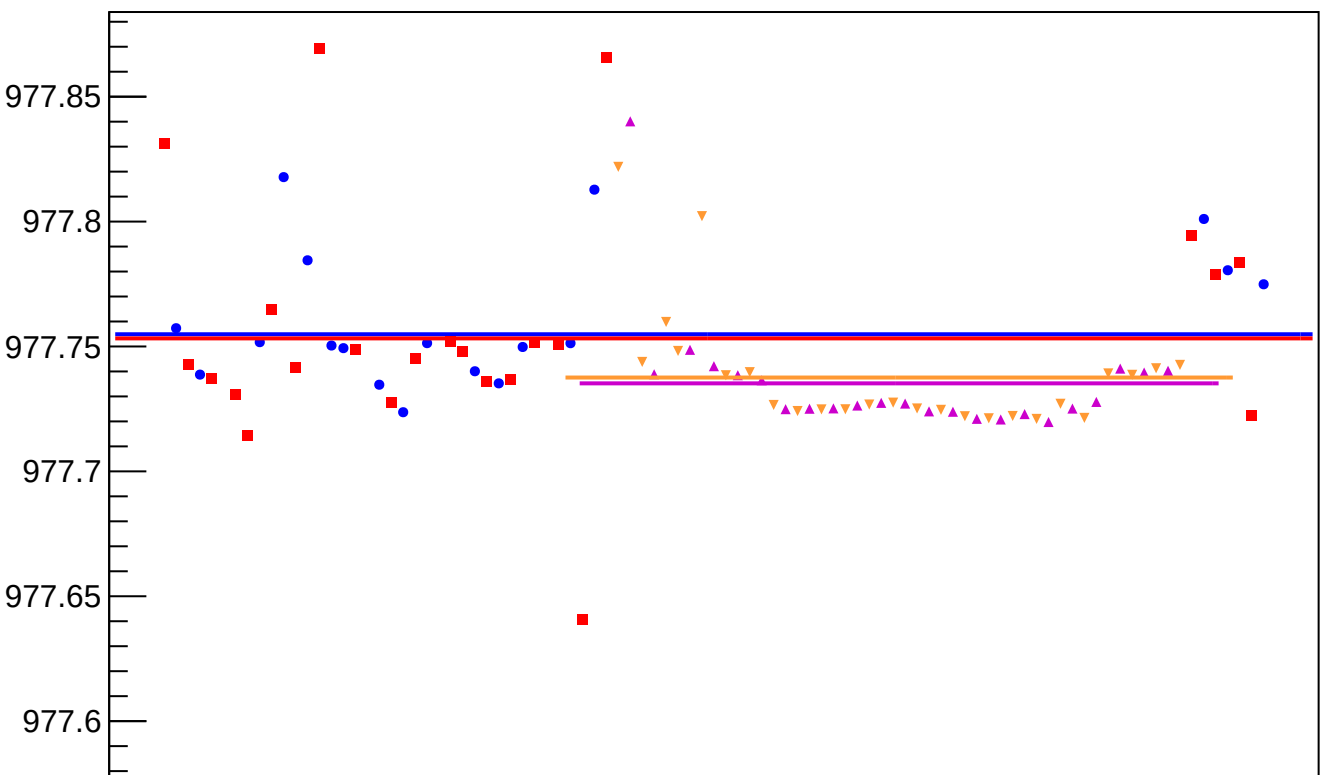
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.543+/-0.000 χ^2/NDF: 576460831786305

All: 760.194+/-0.000 χ^2/NDF: 74066362409

- sign 757.796+/-0.000 χ^2/NDF: 737390324471452

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.755+/-0.000 χ^2/NDF: 209881821629586415190609494016O.0/18

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

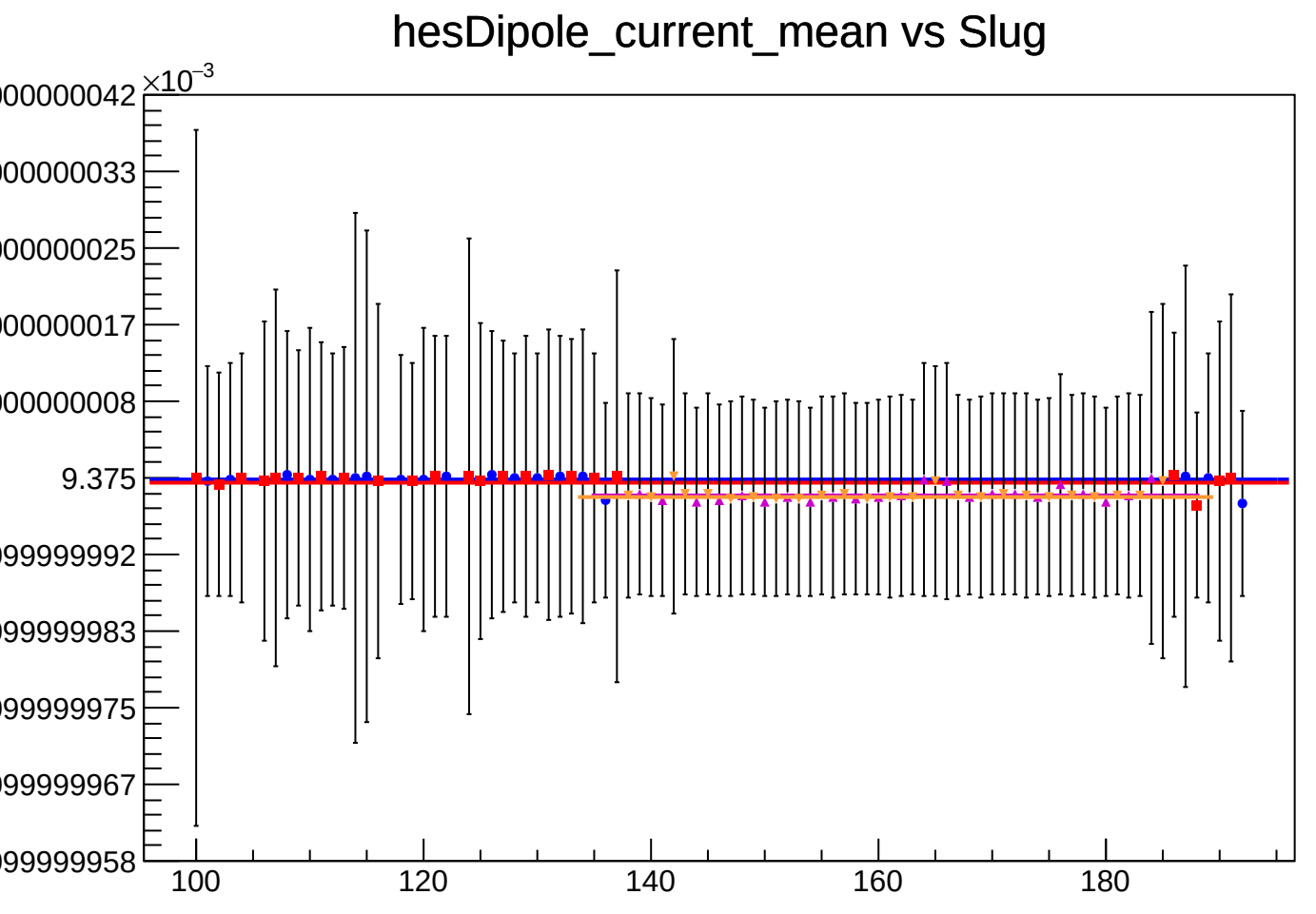
Right Out: 977.753+/-0.000 χ^2/NDF: 2000589637842713069783070277632.0/22

Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254O672.0/22

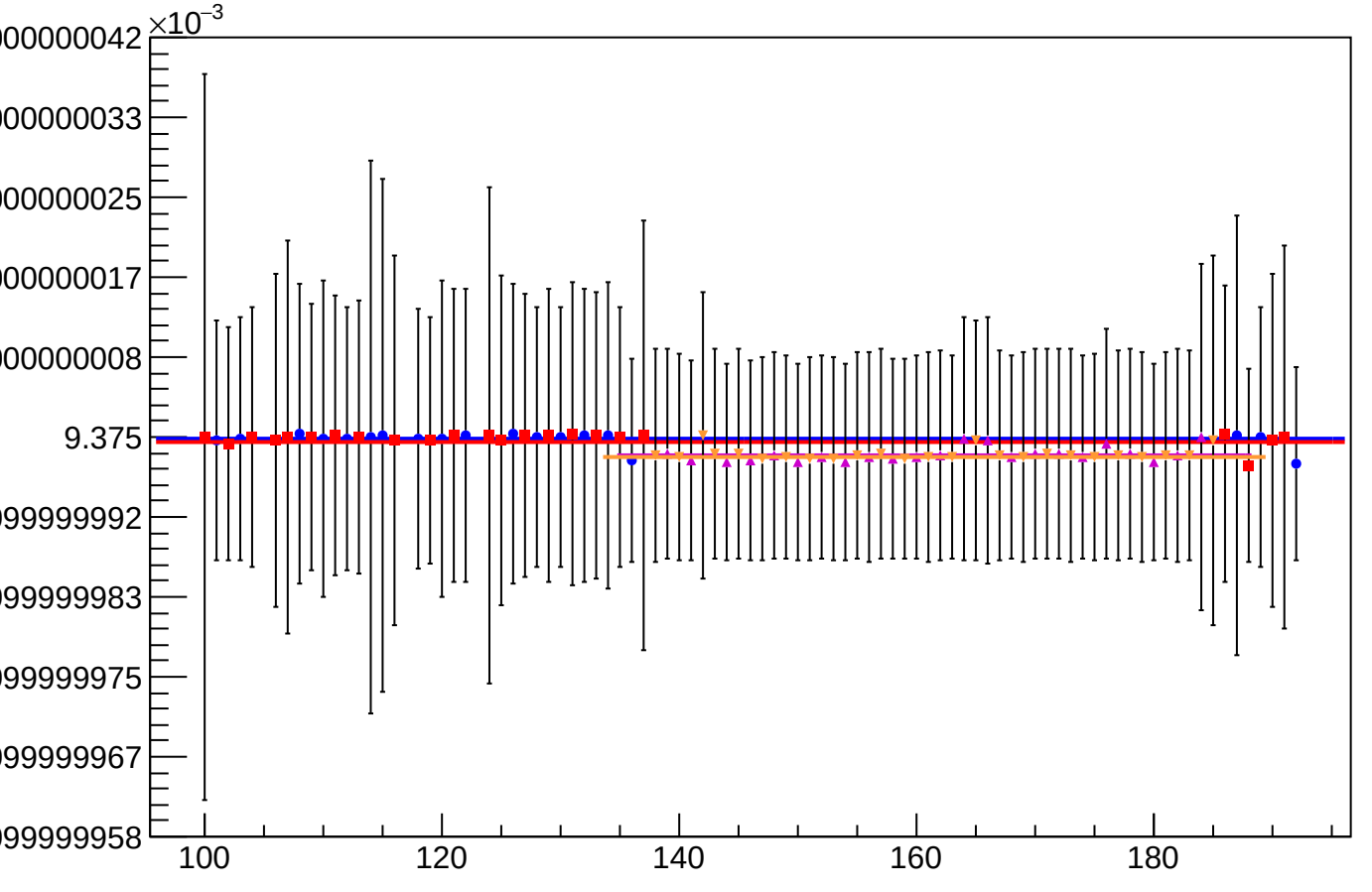
+ sign 977.743+/-0.000 χ^2/NDF: 346580804550528

All: 977.742+/-0.000 χ^2/NDF: 677456718247

- sign 977.741+/-0.000 χ^2/NDF: 330466464979110


hesDipole_current_mean vs Slug
×10⁻³
100
120
140
160
180
9.375
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
+ sign 0.009+/-0.000 χ²/NDF: 0.3/43
All: 0.009+/-0.000 χ²/NDF: 0.6/89
- sign 0.009+/-0.000 χ²/NDF: 0.3/45

MSUPERBIGBITEreadcalc_mean vs Slug



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

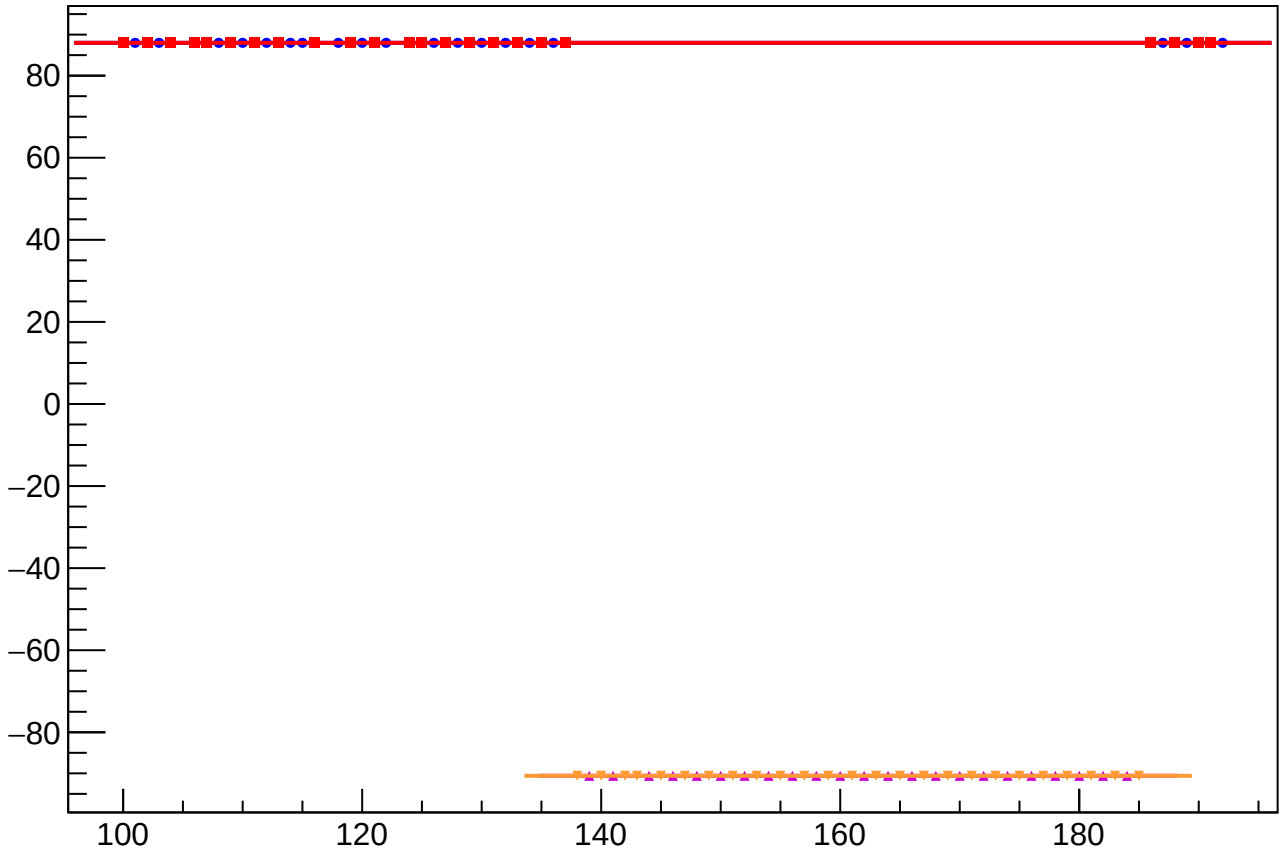
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/43

All: 0.009+/-0.000 χ^2/NDF: 0.6/89

- sign 0.009+/-0.000 χ^2/NDF: 0.3/45

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 2309885.7/18

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

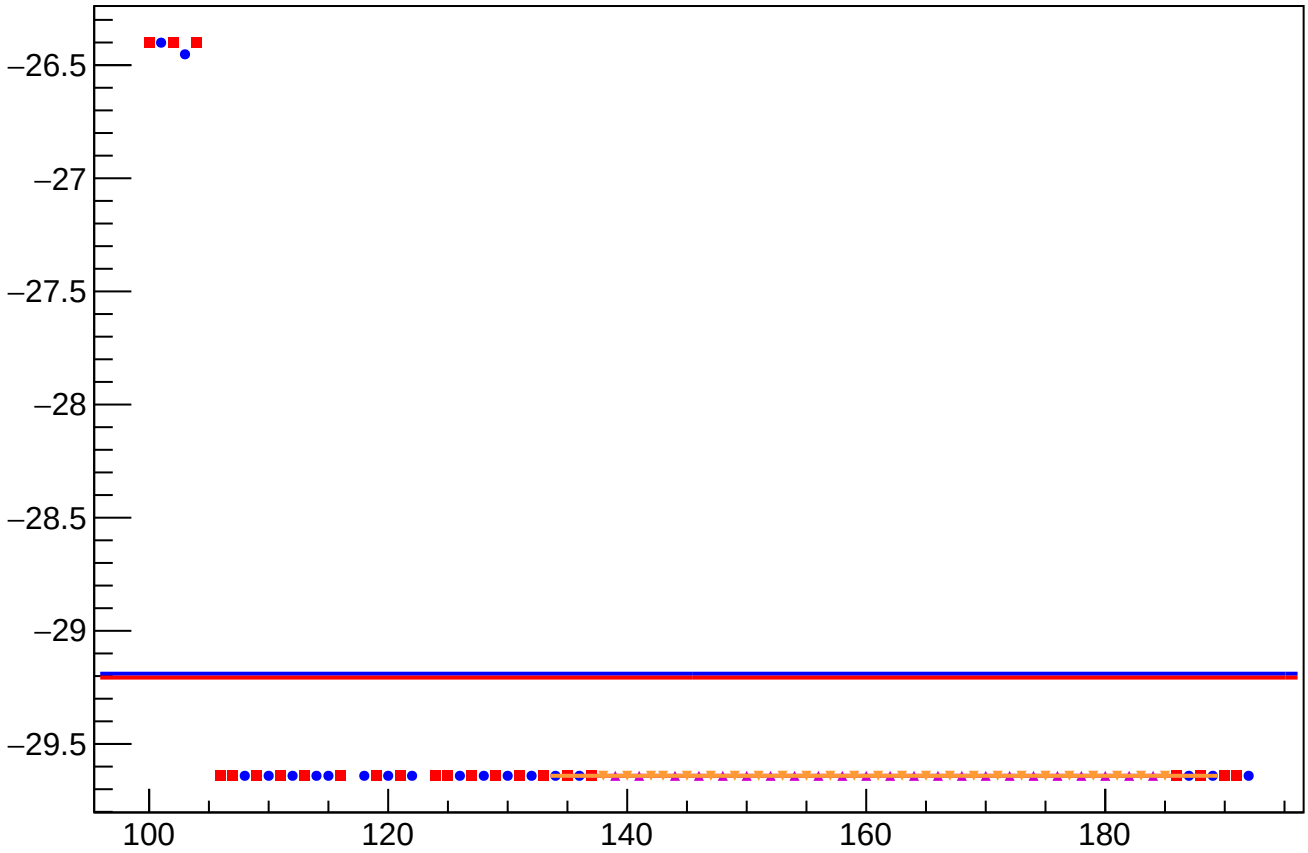
Right Out: 88.003+/-0.000 χ^2/NDF: 74385363658117519852445892608.0/22

Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -35.008+/-0.000 χ^2/NDF: 200360122700887

All: -32.852+/-0.000 χ^2/NDF: 40471138572

- sign -30.650+/-0.000 χ^2/NDF: 2040760142780140



Right In: -29.190+/-0.000 χ^2/NDF: 1137210949624077276387972816568320.0/18

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

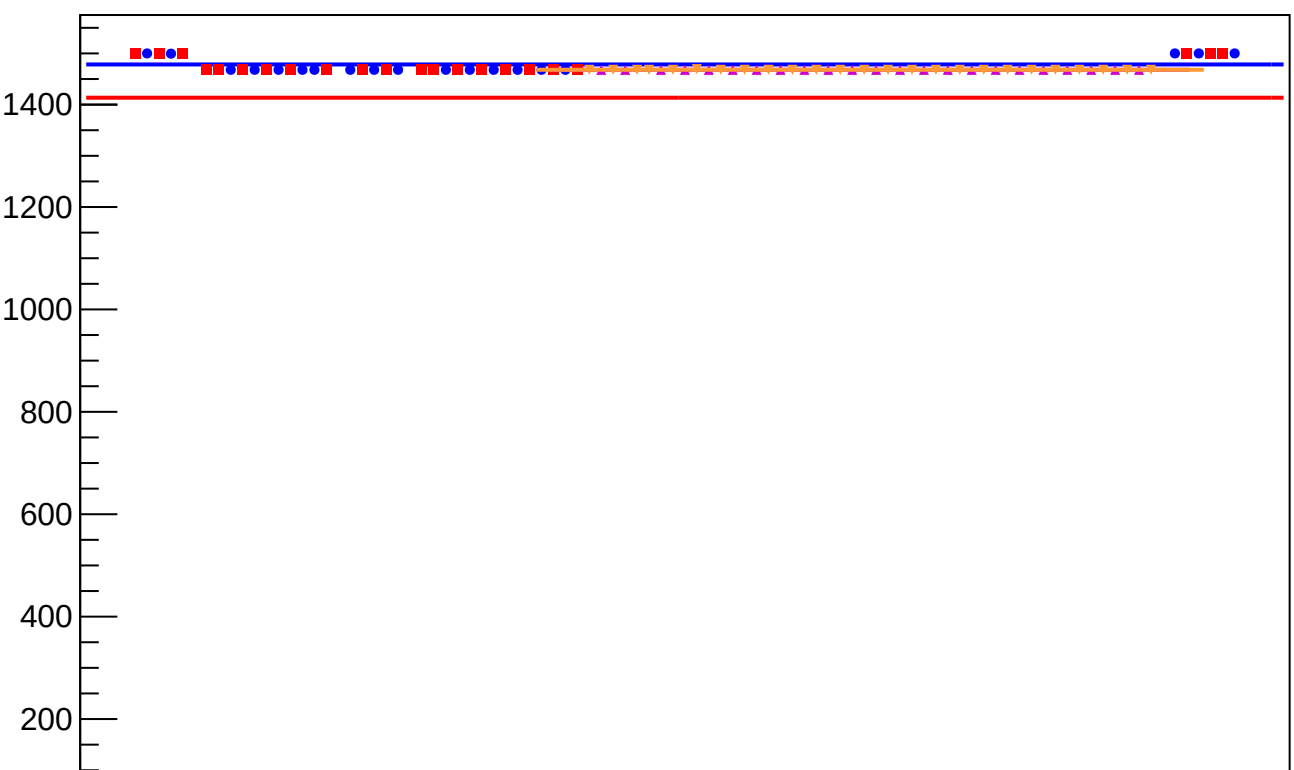
Right Out: -29.207+/-0.000 χ^2/NDF: 1172787947663571949115072722239488.0/22

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.500+/-0.000 χ^2/NDF: 126507726939053

All: -29.498+/-0.000 χ^2/NDF: 255841853379

- sign -29.495+/-0.000 χ^2/NDF: 1293301392819791



Right In: 1478.442+/-0.000 χ^2/NDF: 20470810206461511199626997233247846 4.0/18

+ sign 1471.285+/-0.000 χ^2/NDF: 2726799750403 3

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

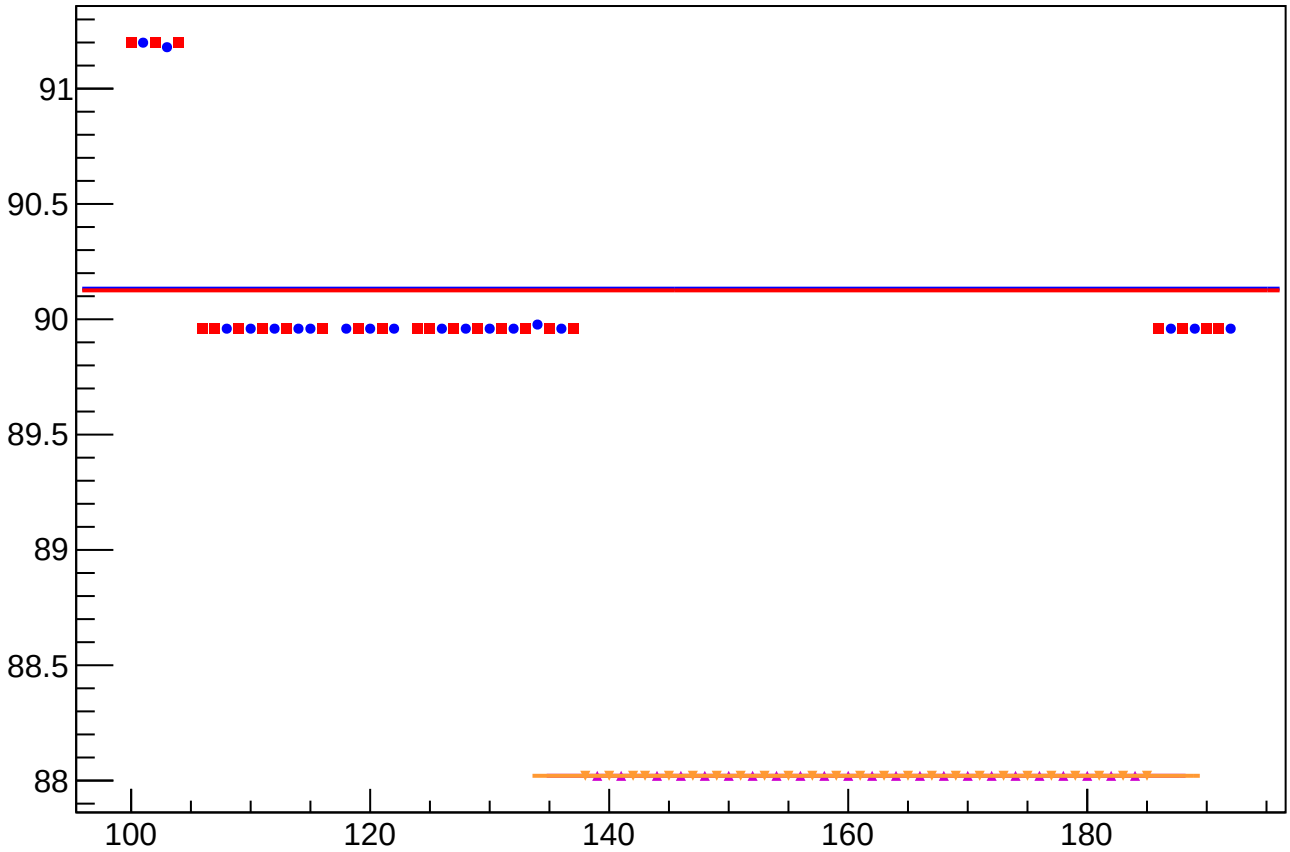
All: 1460.607+/-0.000 χ^2/NDF: 907911132 71

Right Out: 1413.499+/-0.000 χ^2/NDF: 879432900939288628525214177265136435 20.0/22

- sign 1449.702+/-0.000 χ^2/NDF: 8984317170778 5

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Phi_FG_mean vs Slug



Right In: 90.133+/-0.000 χ^2/NDF: 16634121684159284769926792662220 8.0/18

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.125+/-0.000 χ^2/NDF: 17178009719627881606888666483916 8.0/22

Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.678+/-0.000 χ^2/NDF: 2968215352647798

All: 88.702+/-0.000 χ^2/NDF: 5977478389333

- sign 88.727+/-0.000 χ^2/NDF: 3005773929214946

IGL1I00DI24_24M_mean vs Slug

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

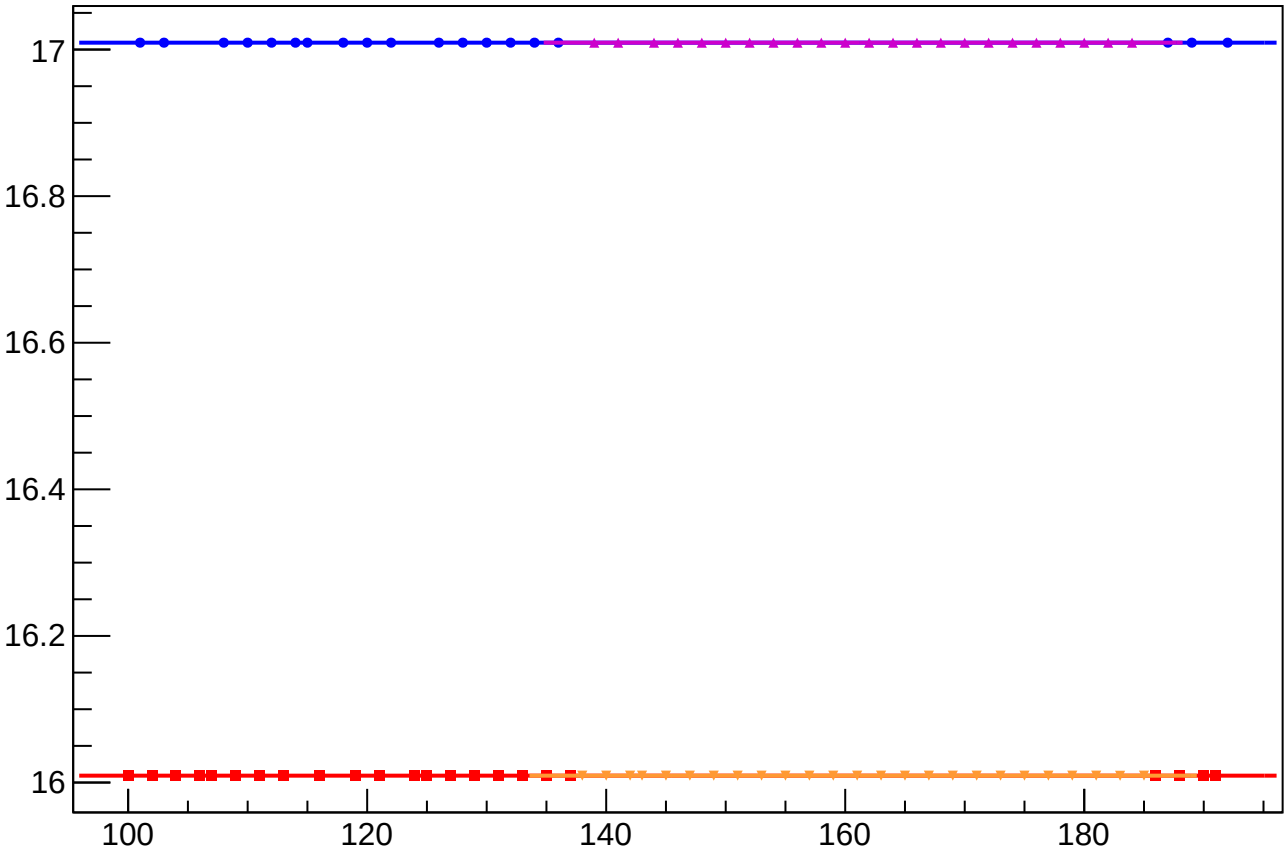
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.691+/-0.000 χ^2/NDF: 5952262237418262

All: 16.521+/-0.000 χ^2/NDF: 135077736544 8

- sign 16.345+/-0.000 χ^2/NDF: 5933327412096817

IGL1I00OD16_16_mean vs Slug



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

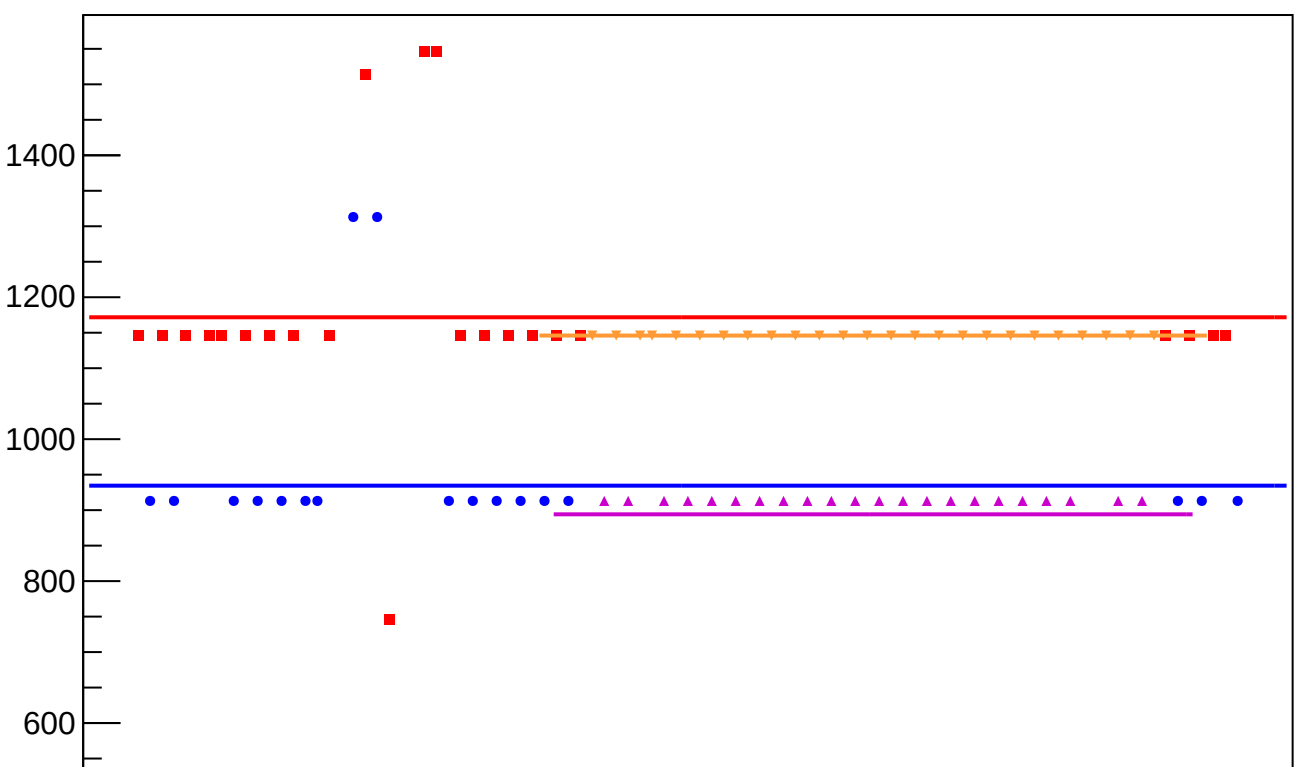
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.315+/-0.000 χ^2/NDF: 6094088660968002

All: 16.491+/-0.000 χ^2/NDF: 142026808504O

- sign 16.669+/-0.000 χ^2/NDF: 6327541704745780

RTPAPOSUCNT_mean vs Slug



Right In: 934.486+/-0.000 χ^2/NDF: 211801524568410773385259477788817851392.0/18

+ sign 1080.177+/-0.000 χ^2/NDF: 49286736104122

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974 72.0/24

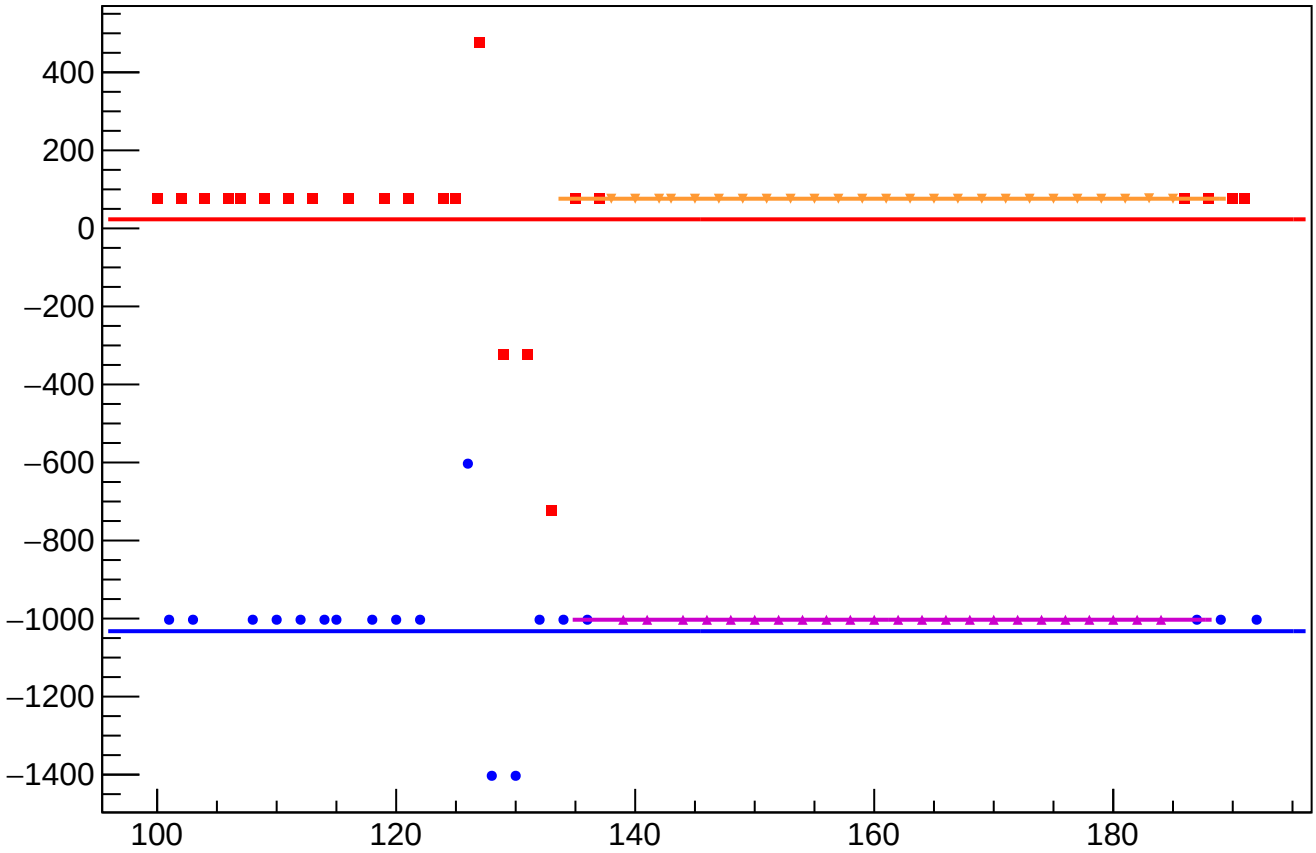
All: 1034.229+/-0.000 χ^2/NDF: 1465259930

Right Out: 1171.763+/-0.000 χ^2/NDF: 22307673537285759270049723623491502080.0/22

- sign 987.304+/-0.000 χ^2/NDF: 847358707136672

Left In: 894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1032.375+/-0.000 χ^2/NDF: 230521084766612000490995134127920906240.0/18

+ sign -268.960+/-0.000 χ^2/NDF: 79477873724797

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048O.0/24

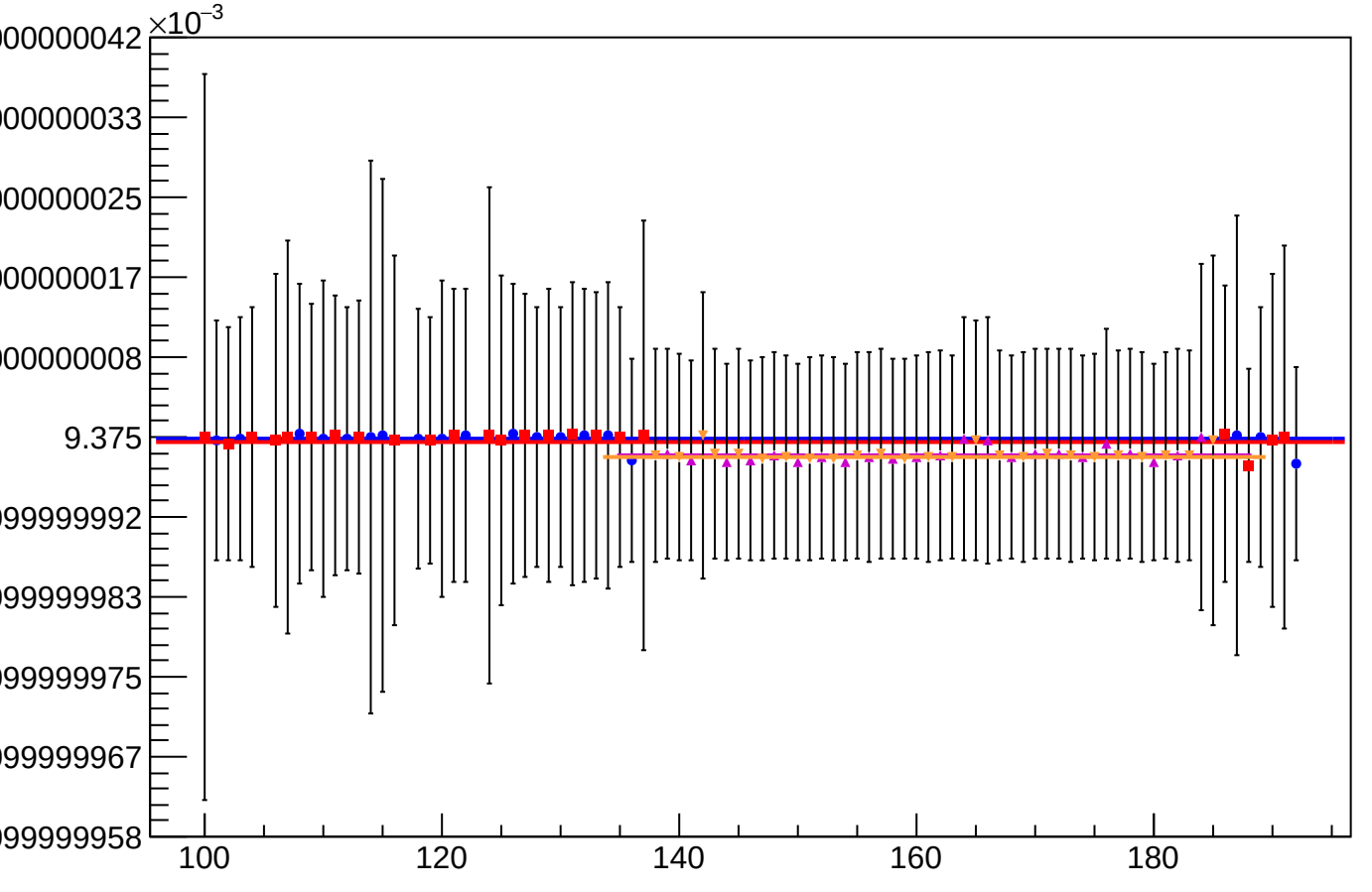
All: -461.692+/-0.000 χ^2/NDF: 1735315332

Right Out: 23.258+/-0.000 χ^2/NDF: 467599416110626579835882154676453376O0.0/22

- sign -658.522+/-0.000 χ^2/NDF: 72054825712477

Left In: -1002.990+/-0.000 χ^2/NDF:29519559033483147530972692480.0/22

RTPPITA1CNT_mean vs Slug



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

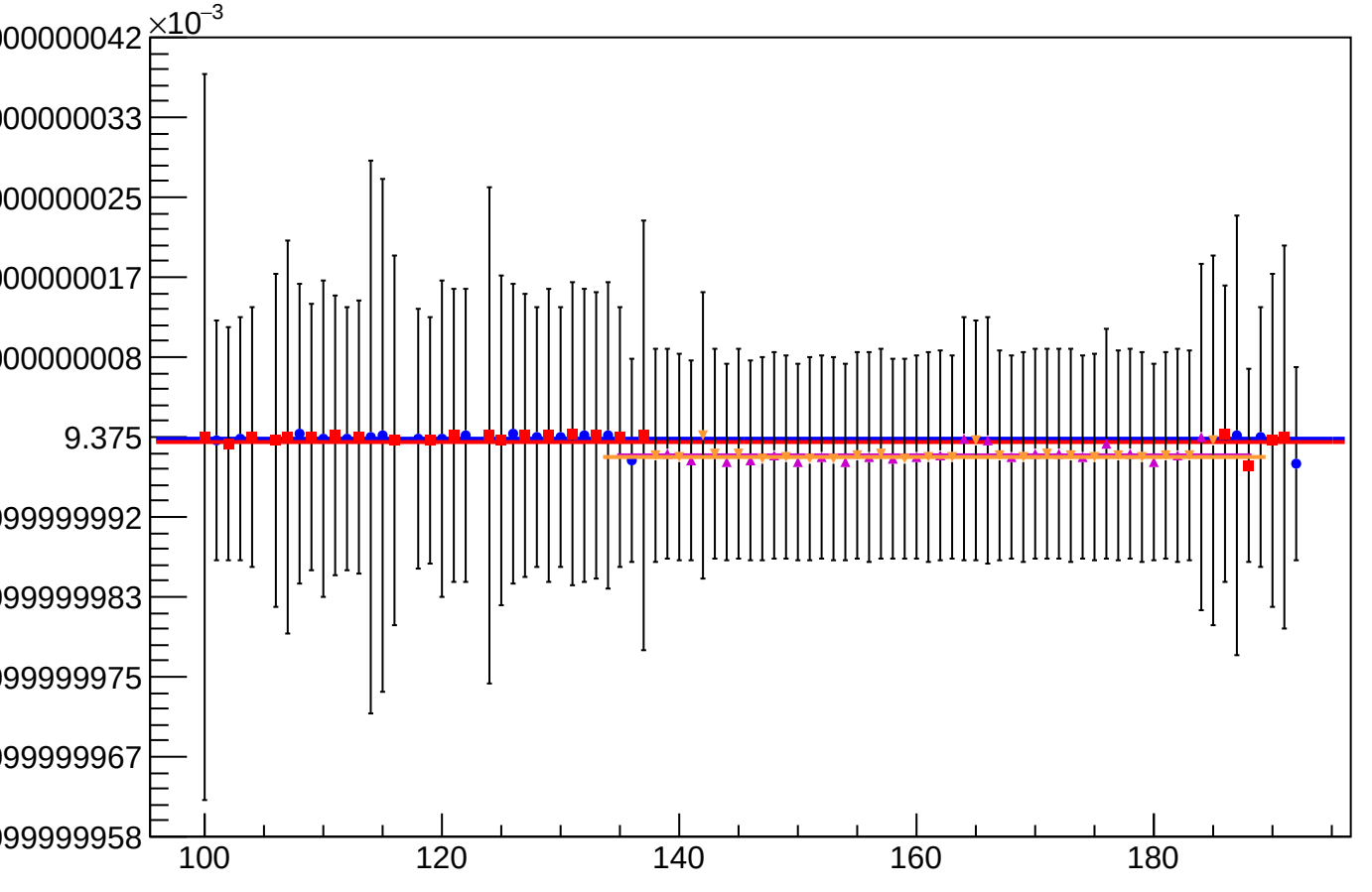
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/43

All: 0.009+/-0.000 χ^2/NDF: 0.6/89

- sign 0.009+/-0.000 χ^2/NDF: 0.3/45

RTPPITA2CNT_mean vs Slug



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

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/43

All: 0.009+/-0.000 χ^2/NDF: 0.6/89

- sign 0.009+/-0.000 χ^2/NDF: 0.3/45