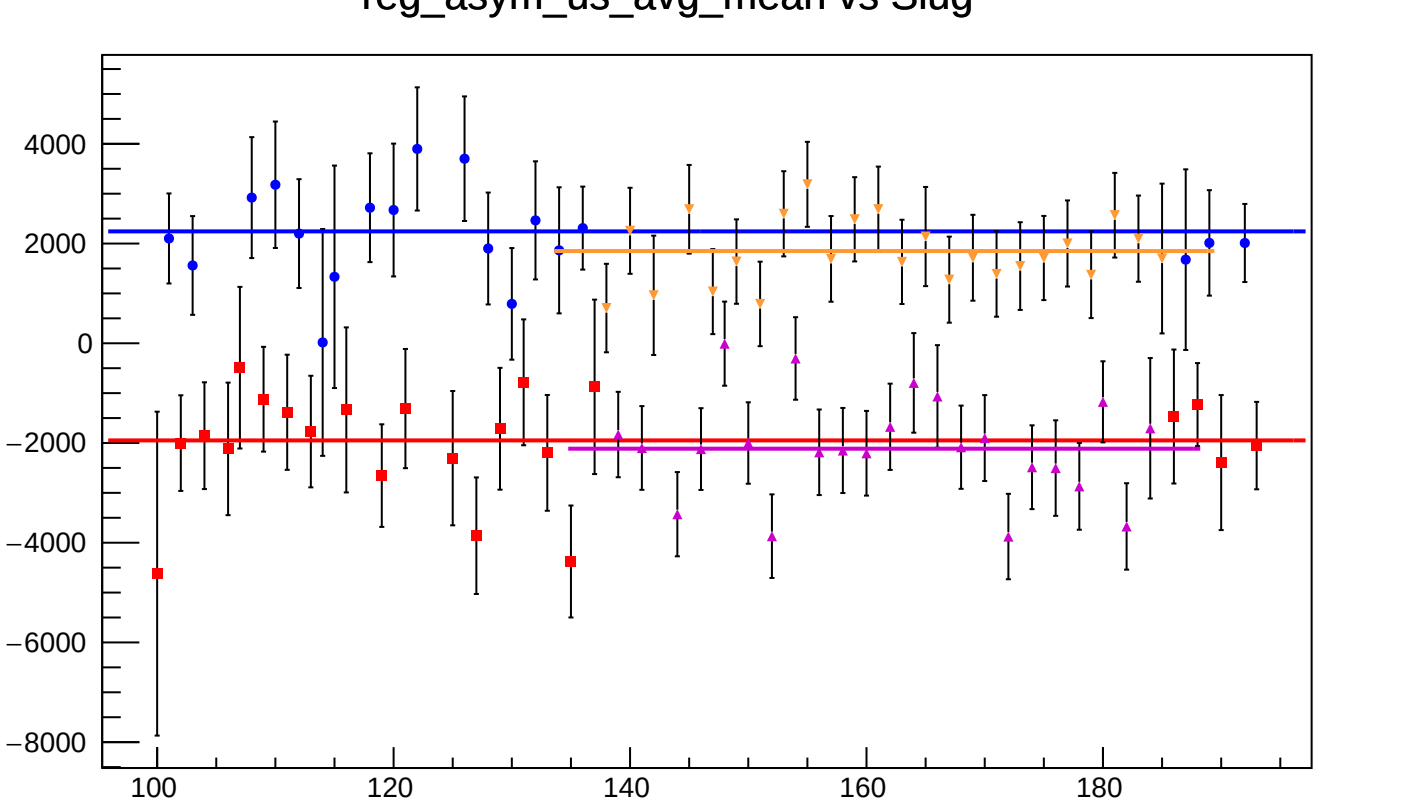


Right In: 2244.113+/-260.952 χ^2/NDF: 8.1/18

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

Right Out: -1948.198+/-251.990 χ^2/NDF: 13.0/21

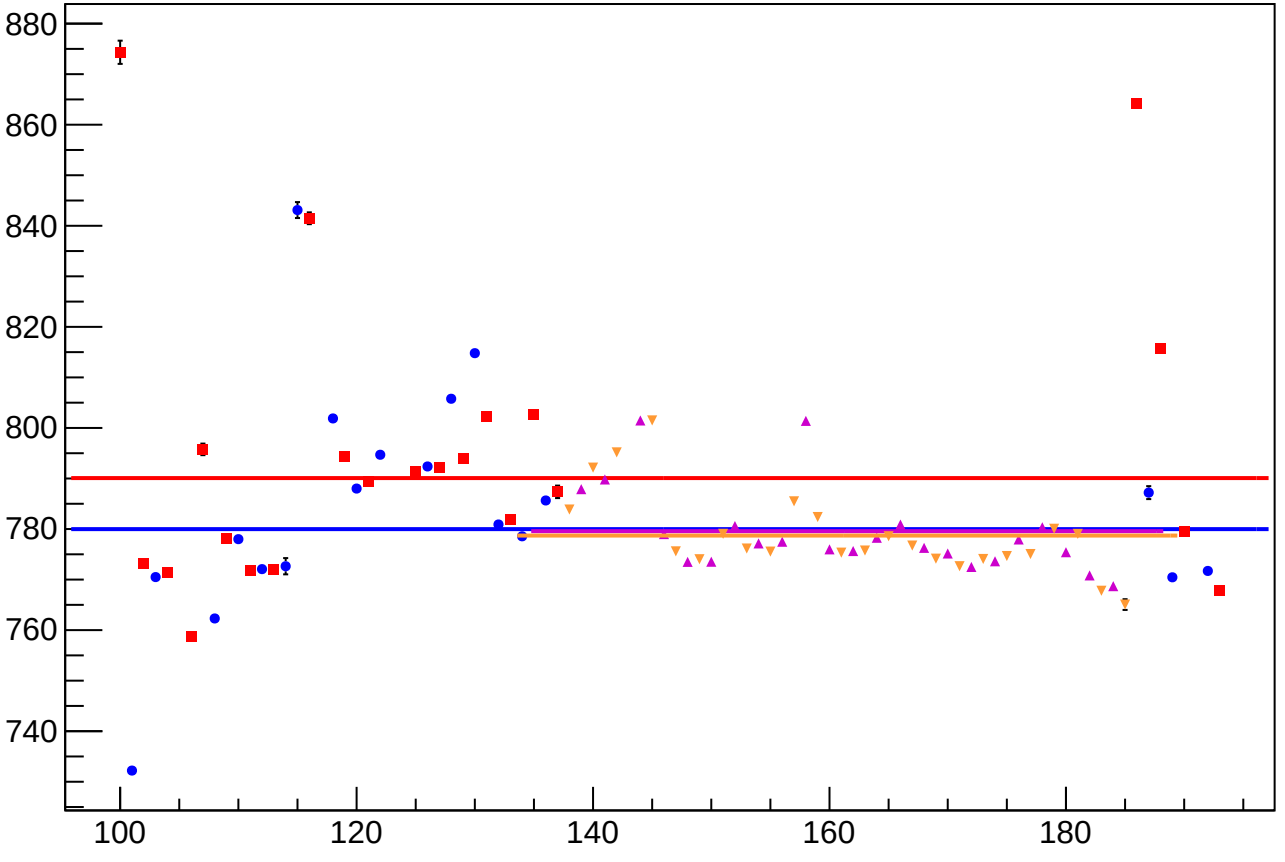
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

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

All: -53.934+/-104.699 χ^2/NDF: 438.1/87

- sign -2057.439+/-147.556 χ^2/NDF: 44.4/44

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: 790.082+/-0.178 χ^2/NDF: 16925.3/21

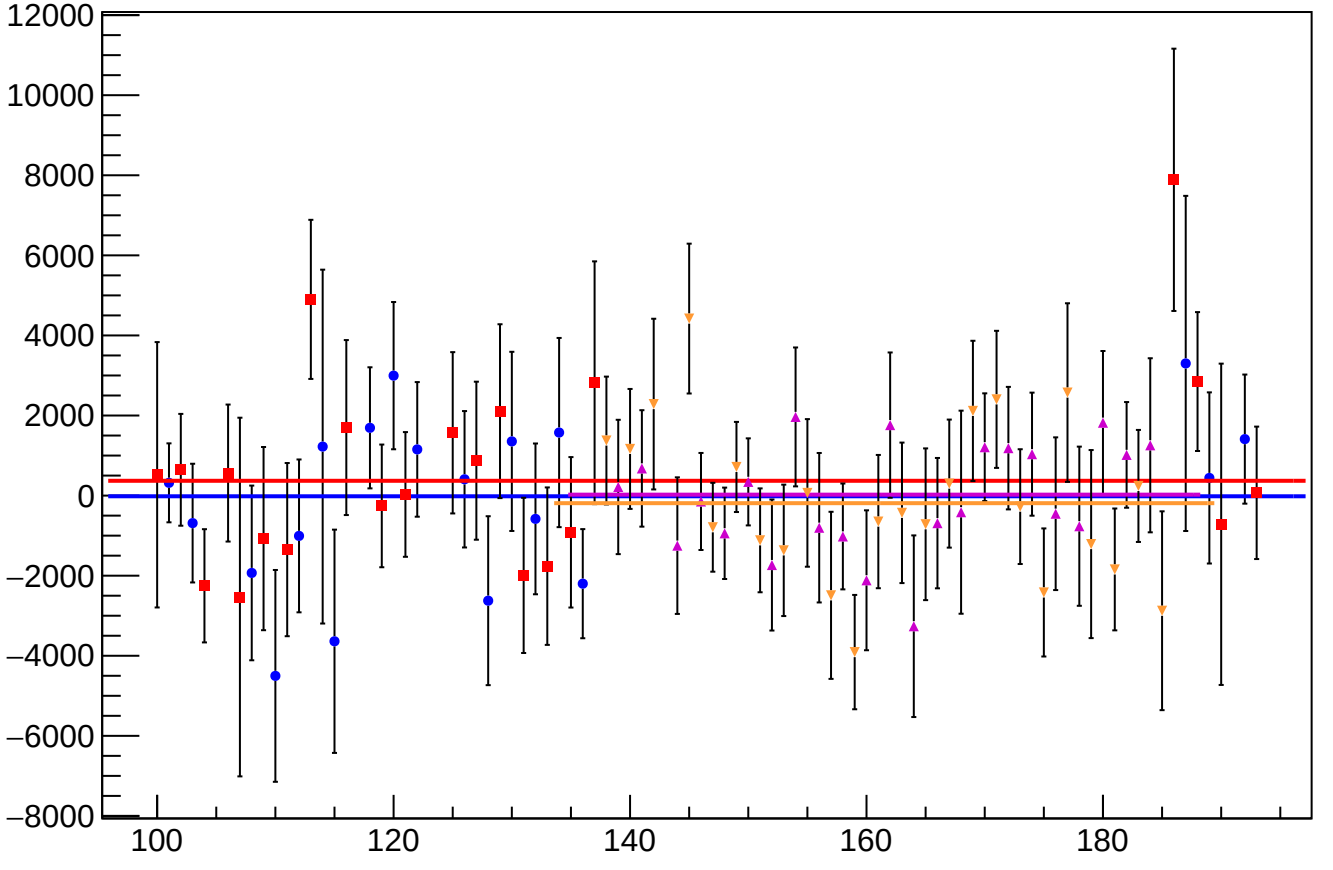
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

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

All: 781.164+/-0.074 χ^2/NDF: 40358.4/87

- sign 783.178+/-0.104 χ^2/NDF: 23383.2/44

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: 369.950+/-419.303 χ^2/NDF: 23.0/21

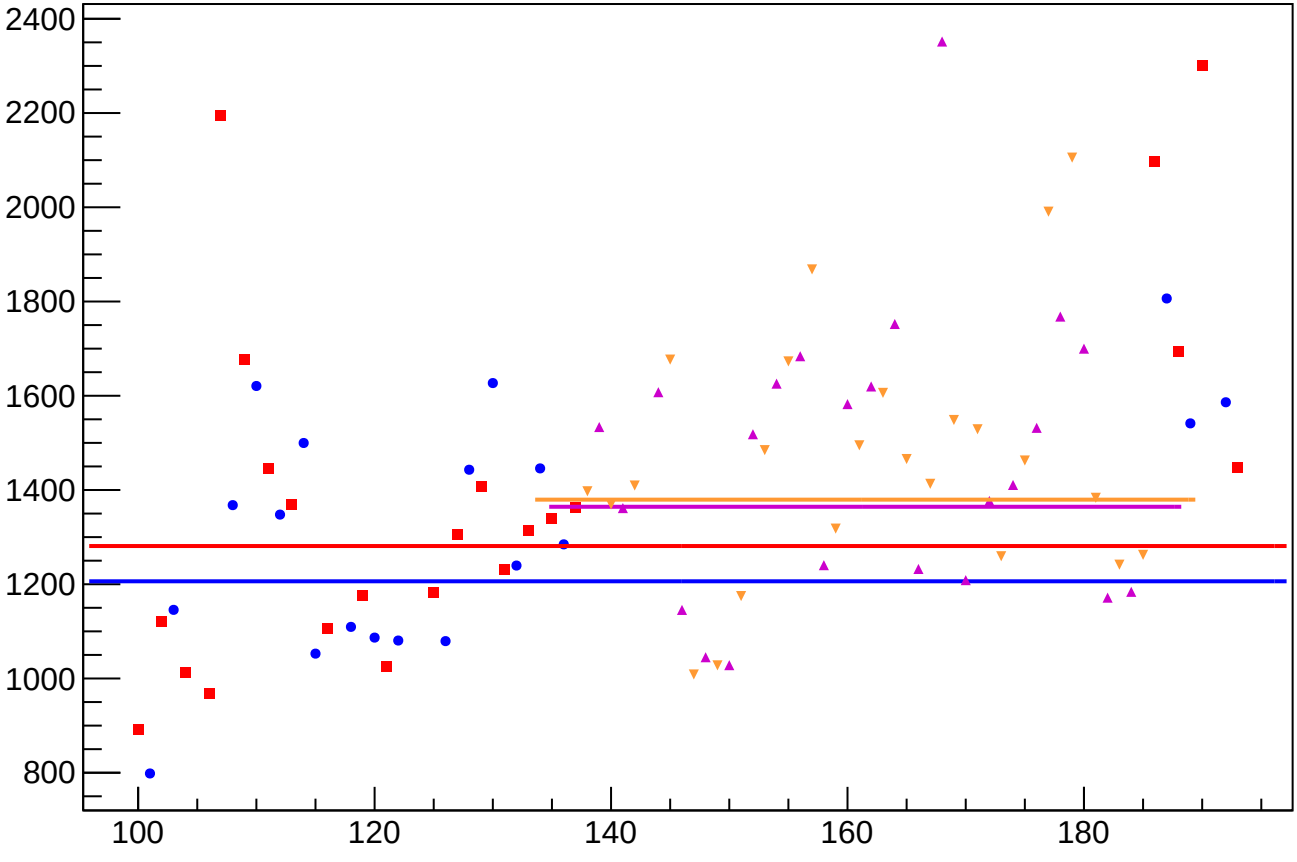
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

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

All: 15.531+/-181.879 χ^2/NDF: 84.1/87

- sign 154.084+/-257.272 χ^2/NDF: 36.9/44

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

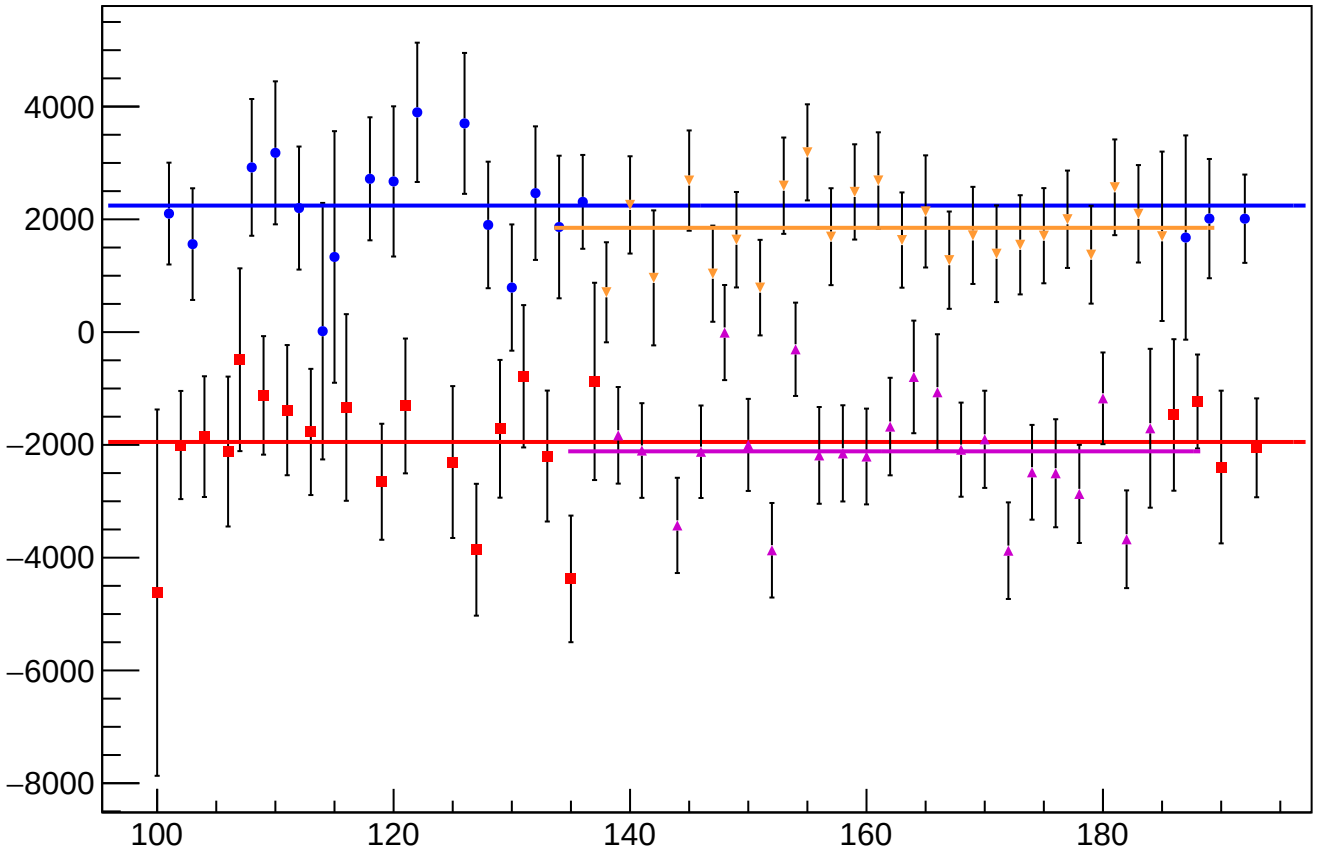
Right Out: 1281.092+/-0.296 χ^2/NDF: 832302.5/21

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

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

All: 1323.010+/-0.129 χ^2/NDF: 4368757.7/87

\- sign 1333.045+/-0.182 χ^2/NDF: 2193843.5/44



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

Right Out: -1948.198+/-251.990 χ^2/NDF: 13.0/21

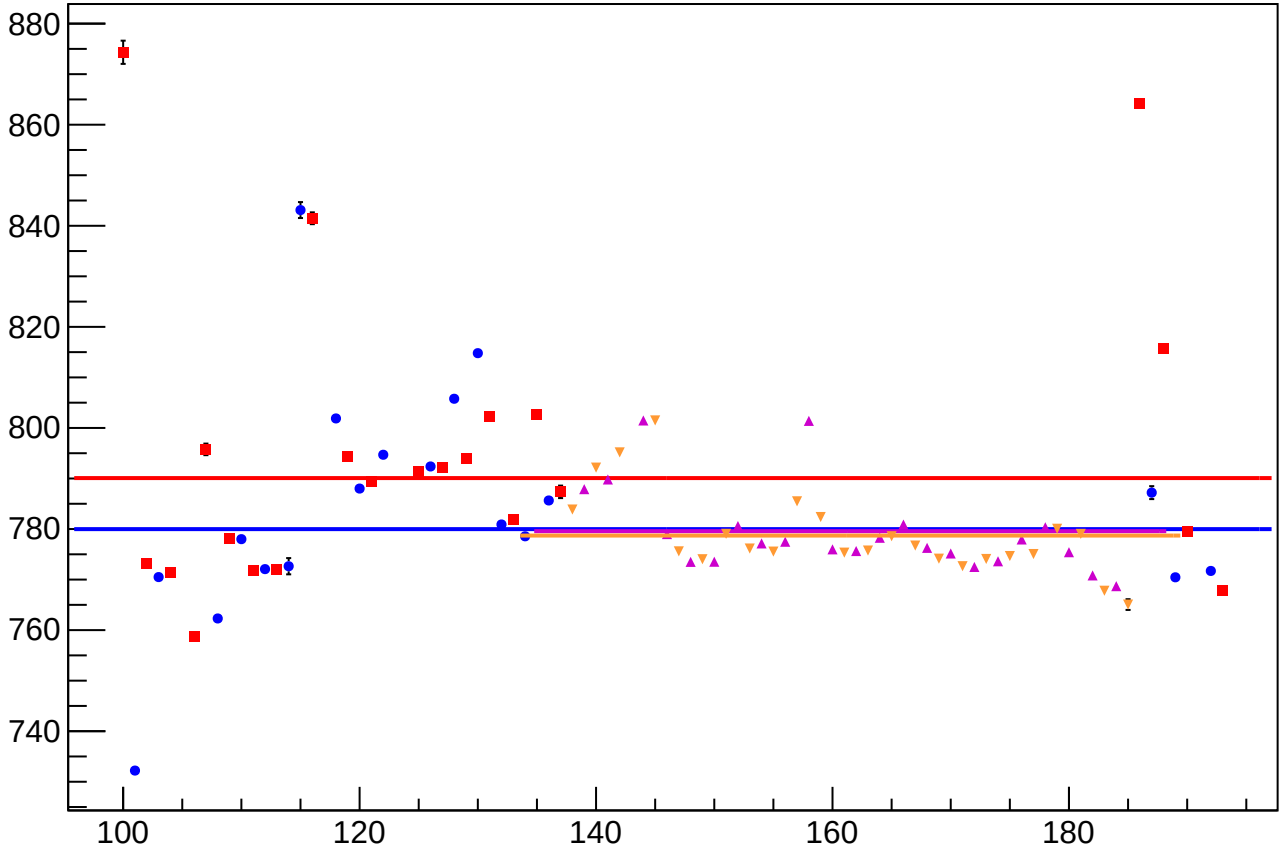
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

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

All: -53.934+/-104.699 χ^2/NDF: 438.1/87

- sign -2057.439+/-147.556 χ^2/NDF: 44.4/44

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: 790.082+/-0.178 χ^2/NDF: 16925.3/21

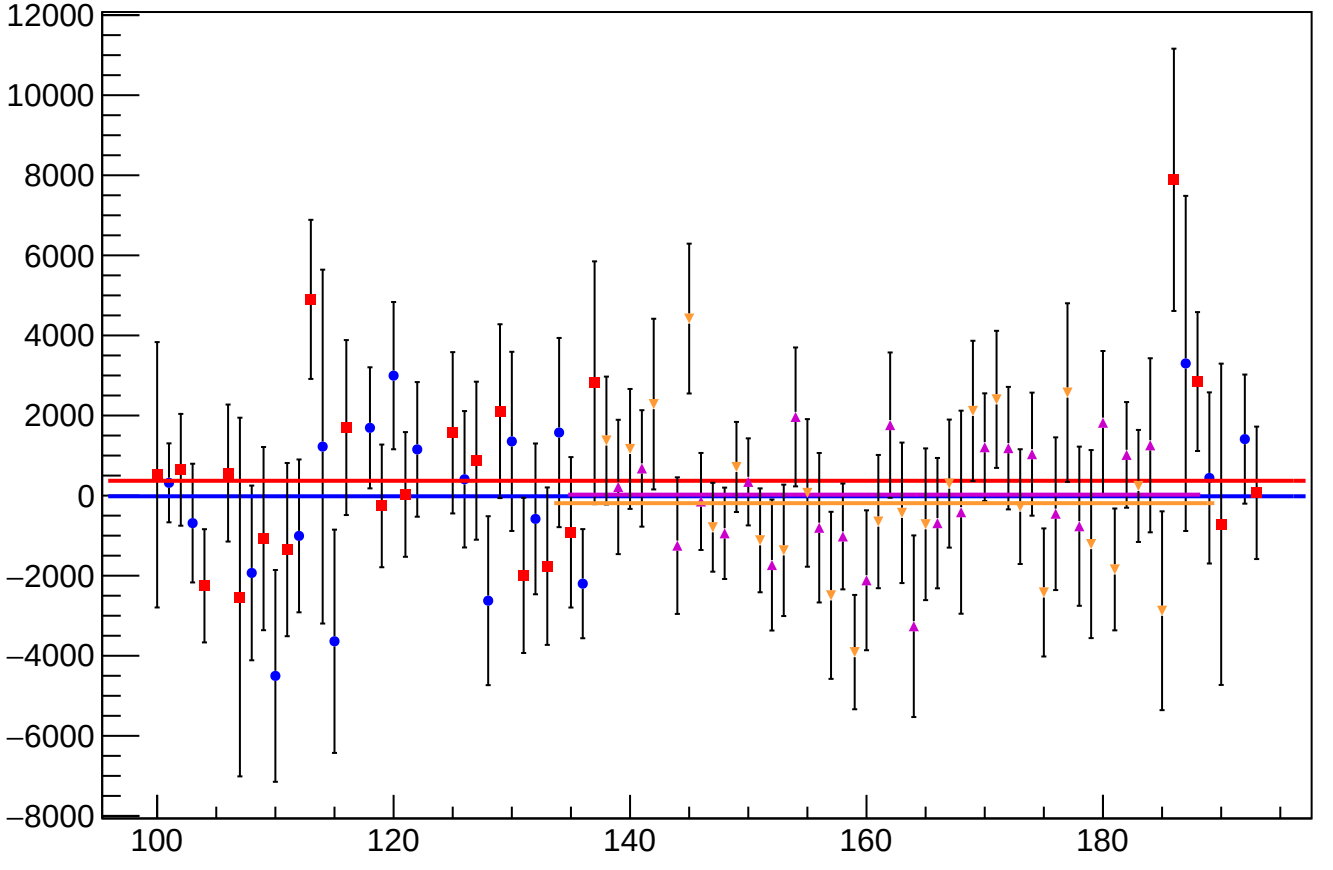
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

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

All: 781.164+/-0.074 χ^2/NDF: 40358.4/87

- sign 783.178+/-0.104 χ^2/NDF: 23383.2/44

asym_us_avg_cor_correction_mean vs Slug



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

Right Out: 369.950+/-419.303 χ^2/NDF: 23.0/21

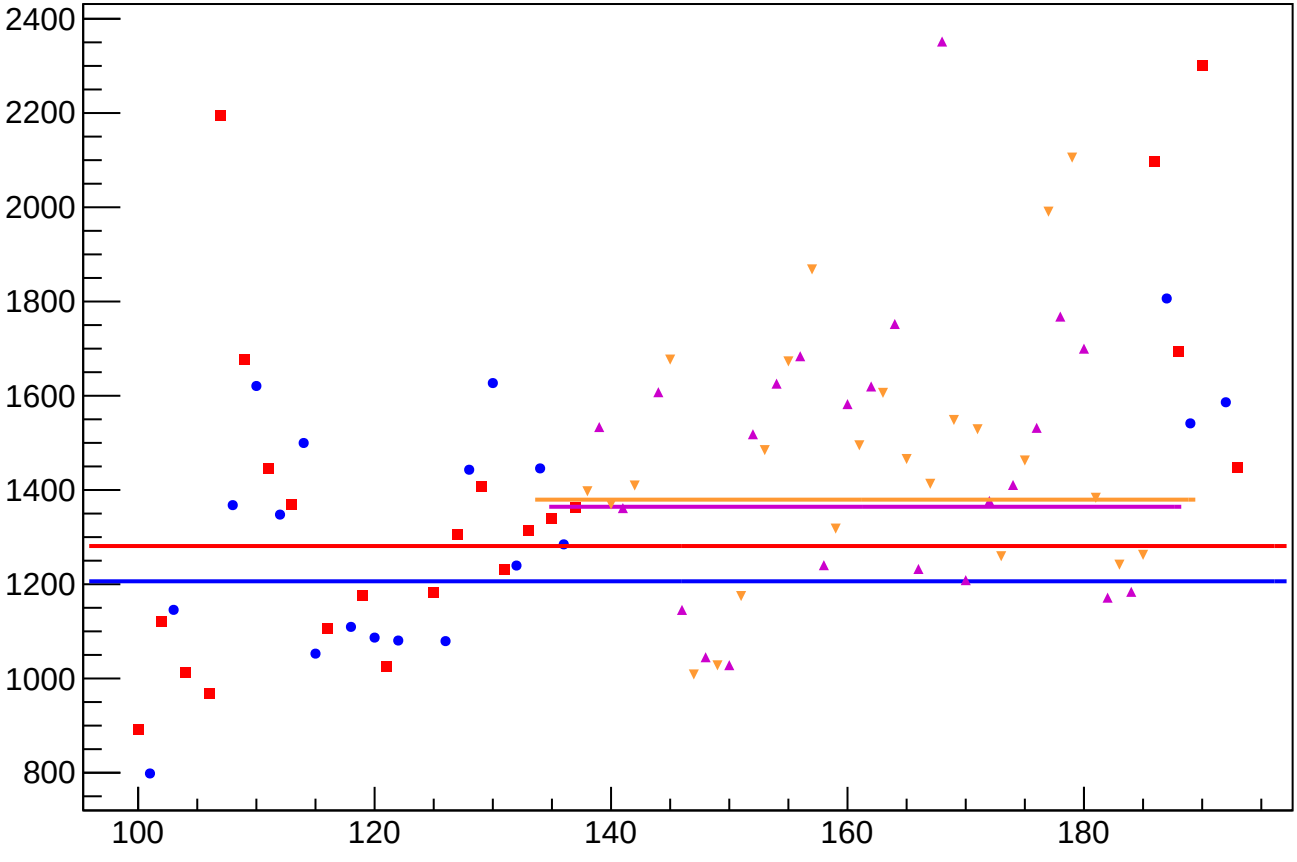
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

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

All: 15.531+/-181.879 χ^2/NDF: 84.1/87

- sign 154.084+/-257.272 χ^2/NDF: 36.9/44

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: 1281.092+/-0.296 χ^2/NDF: 832302.5/21

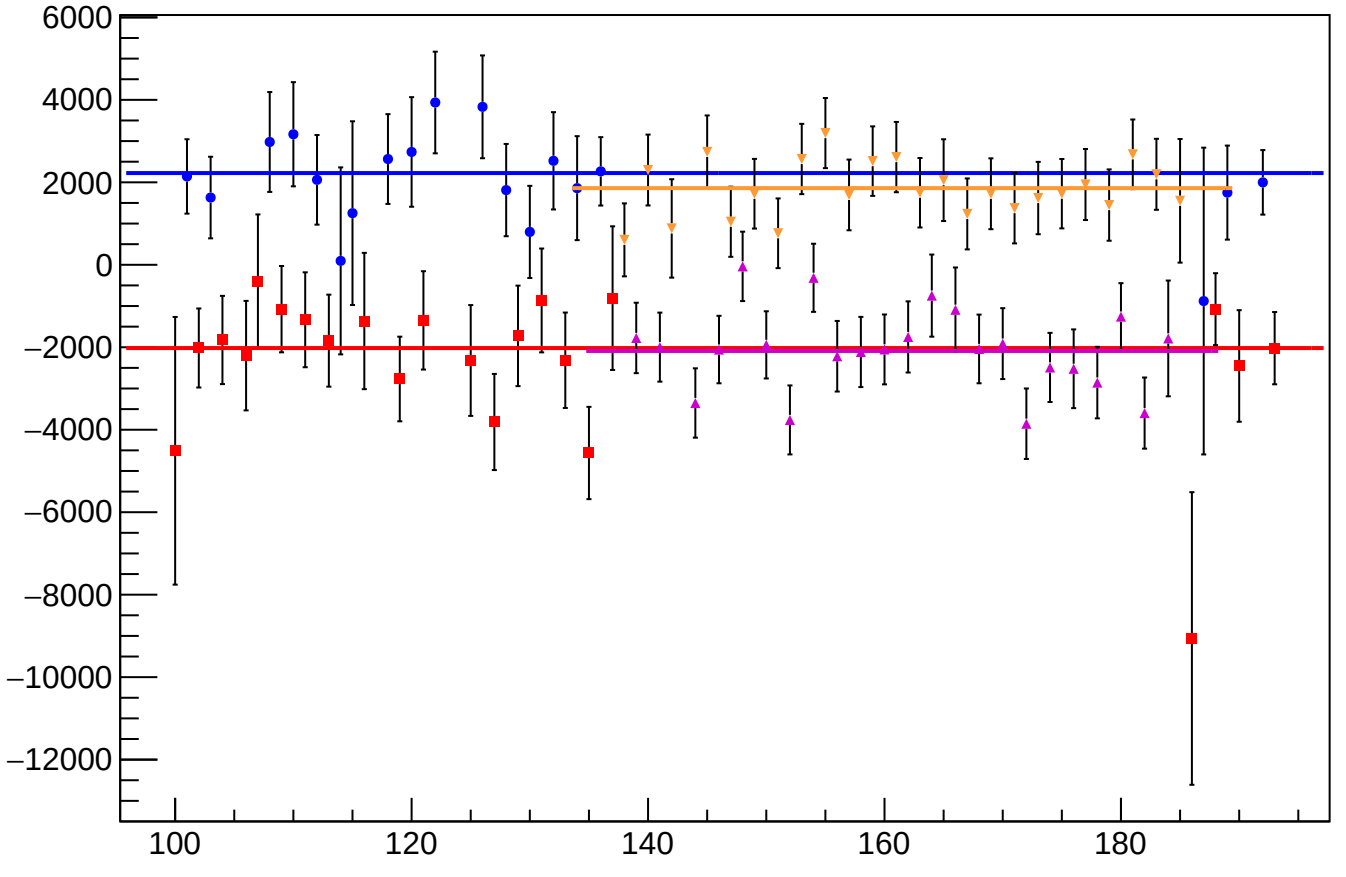
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

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

All: 1323.010+/-0.129 χ^2/NDF: 4368757.7/87

- sign 1333.045+/-0.182 χ^2/NDF: 2193843.5/44

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: -2019.042+/-256.430 χ^2/NDF: 18.1/21

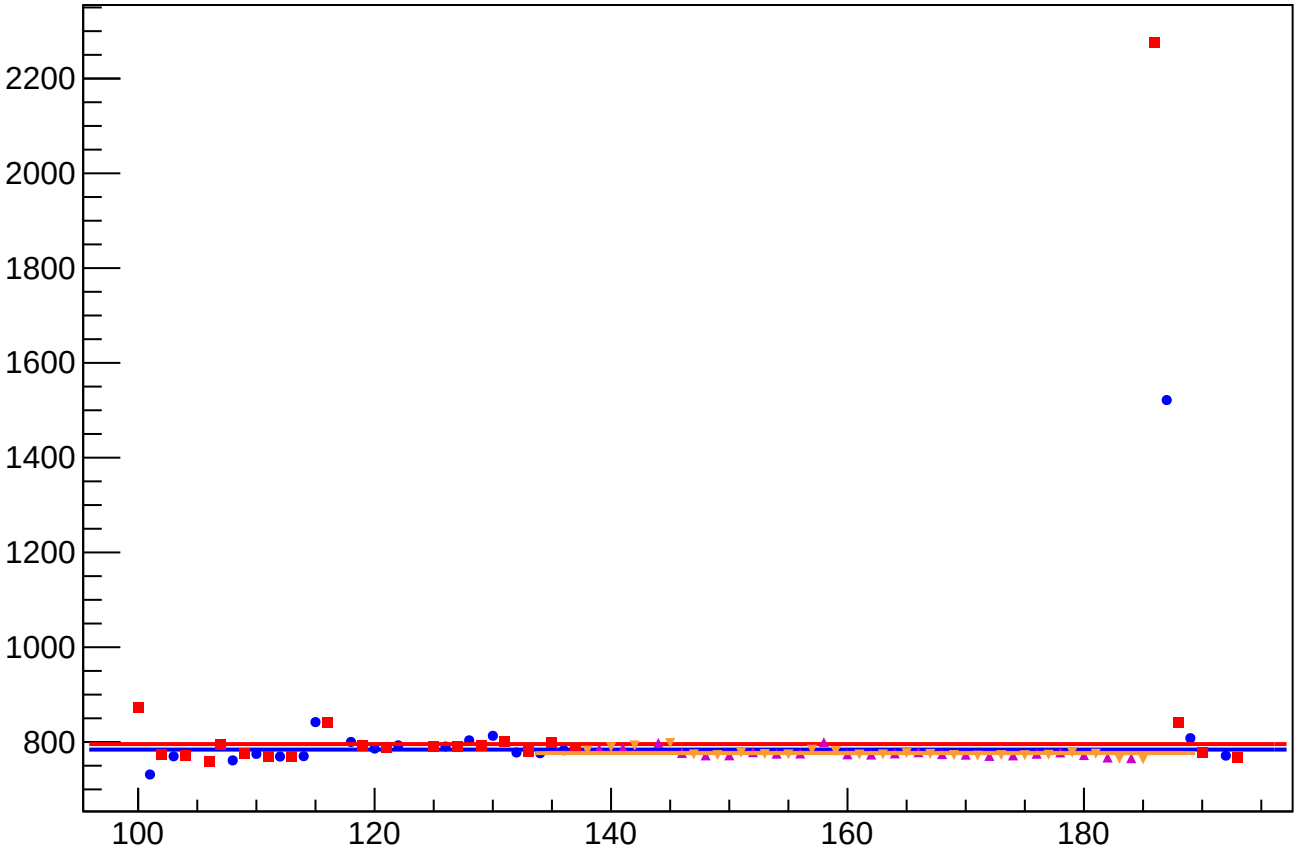
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

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

All: -53.590+/-104.984 χ^2/NDF: 442.2/87

- sign -2065.975+/-148.158 χ^2/NDF: 47.8/44

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

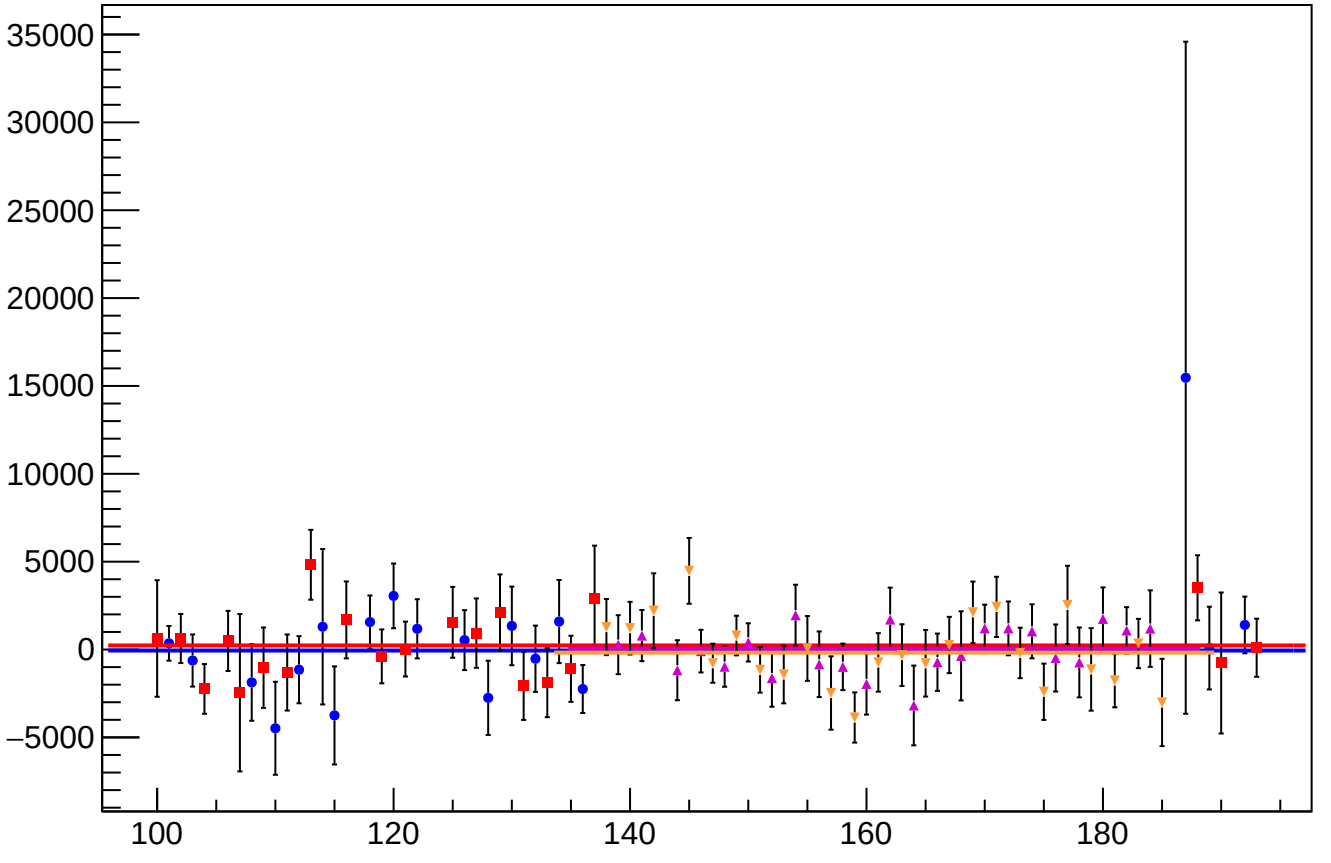
Right Out: 795.613+/-0.181 χ^2/NDF: 366017.5/21

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

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

All: 781.204+/-0.074 χ^2/NDF: 474536.3/87

- sign 783.488+/-0.105 χ^2/NDF: 376791.1/44



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: 233.253+/-424.675 χ^2/NDF: 18.6/20

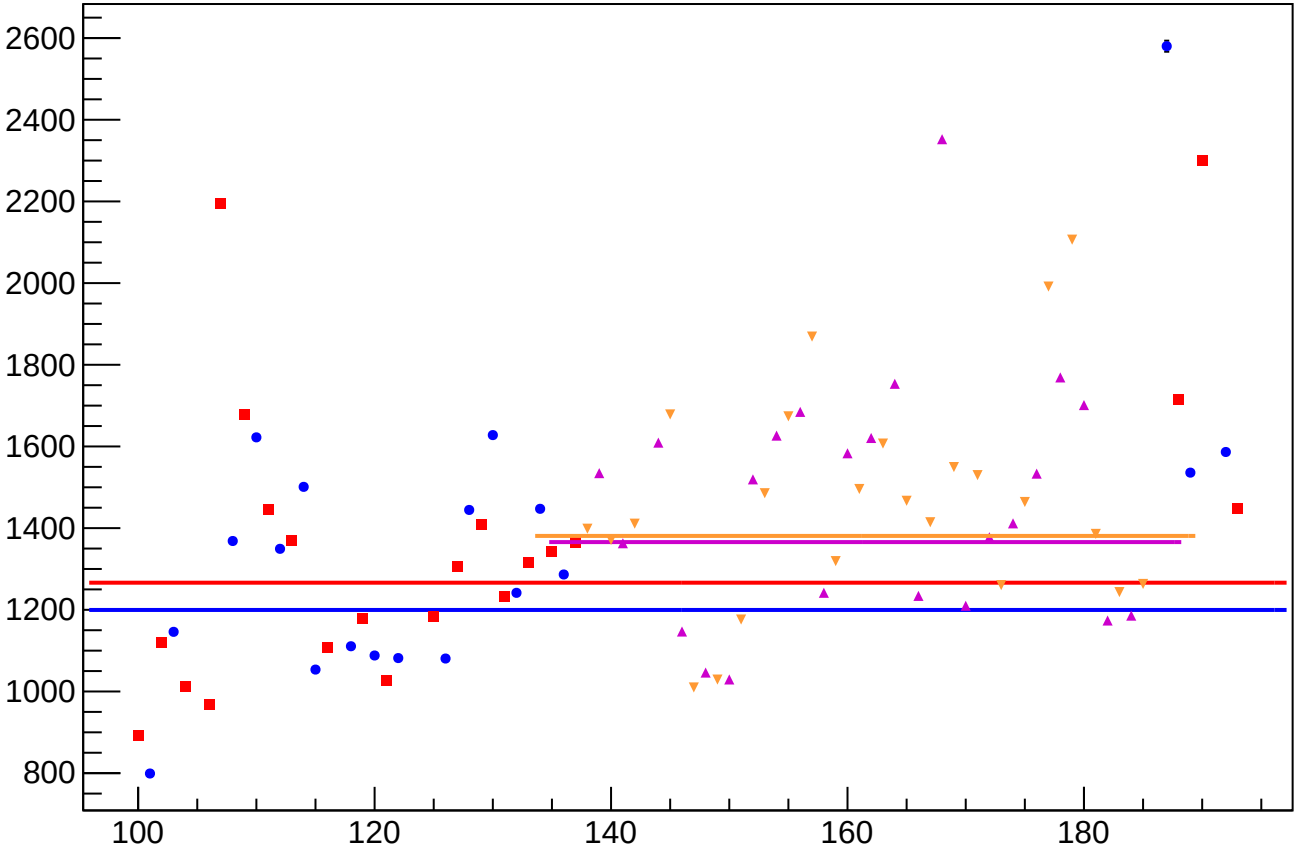
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

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

All: -5.239+/-182.735 χ^2/NDF: 79.1/86

\- sign 119.754+/-258.655 χ^2/NDF: 31.7/43

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: 1266.395+/-0.300 χ^2/NDF: 699944.2/20

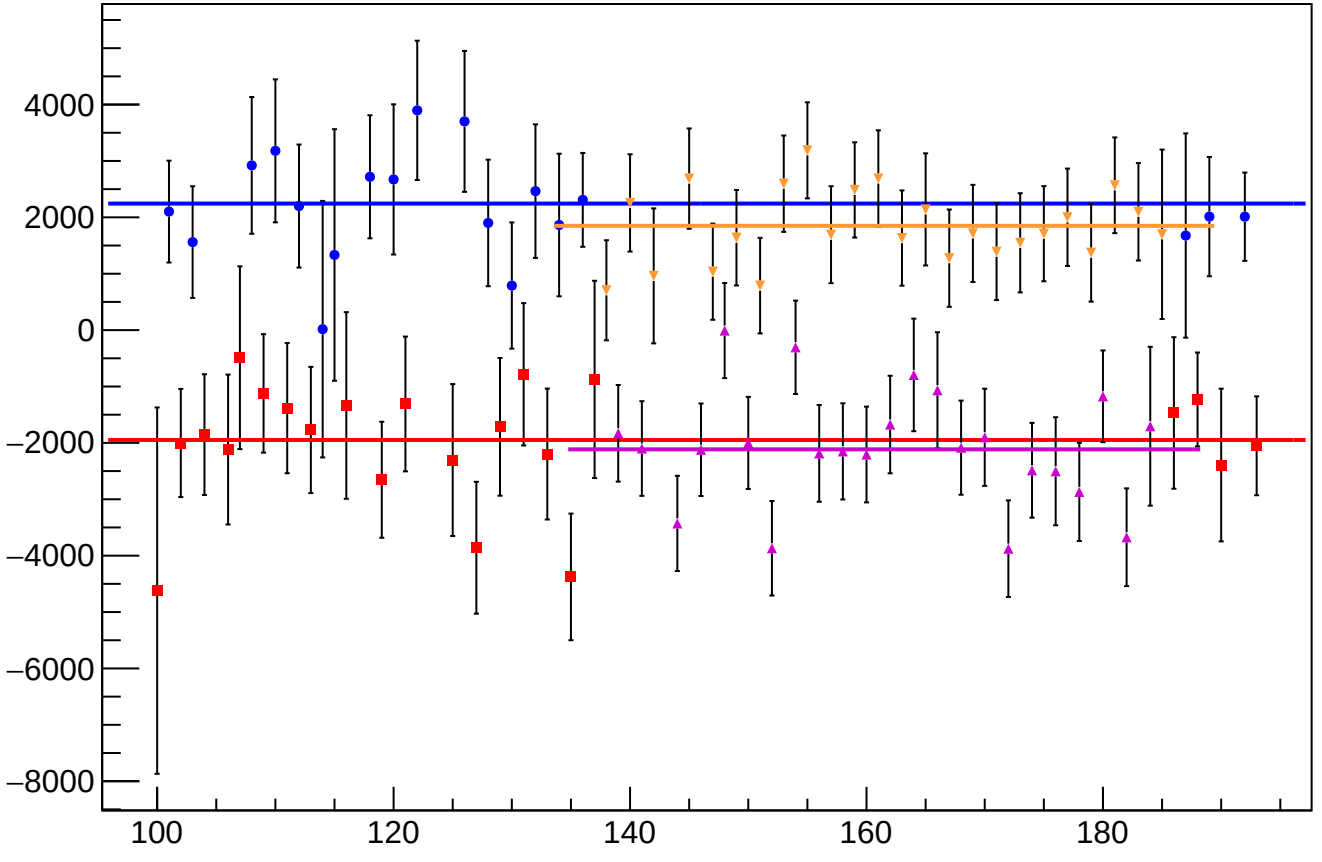
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

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

All: 1320.451+/-0.129 χ^2/NDF: 4223079.2/86

- sign 1328.931+/-0.183 χ^2/NDF: 2077752.9/43

eigen_cor_asym_us_avg_mean vs Slug



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

Right Out: -1948.198+/-251.990 χ^2/NDF: 13.0/21

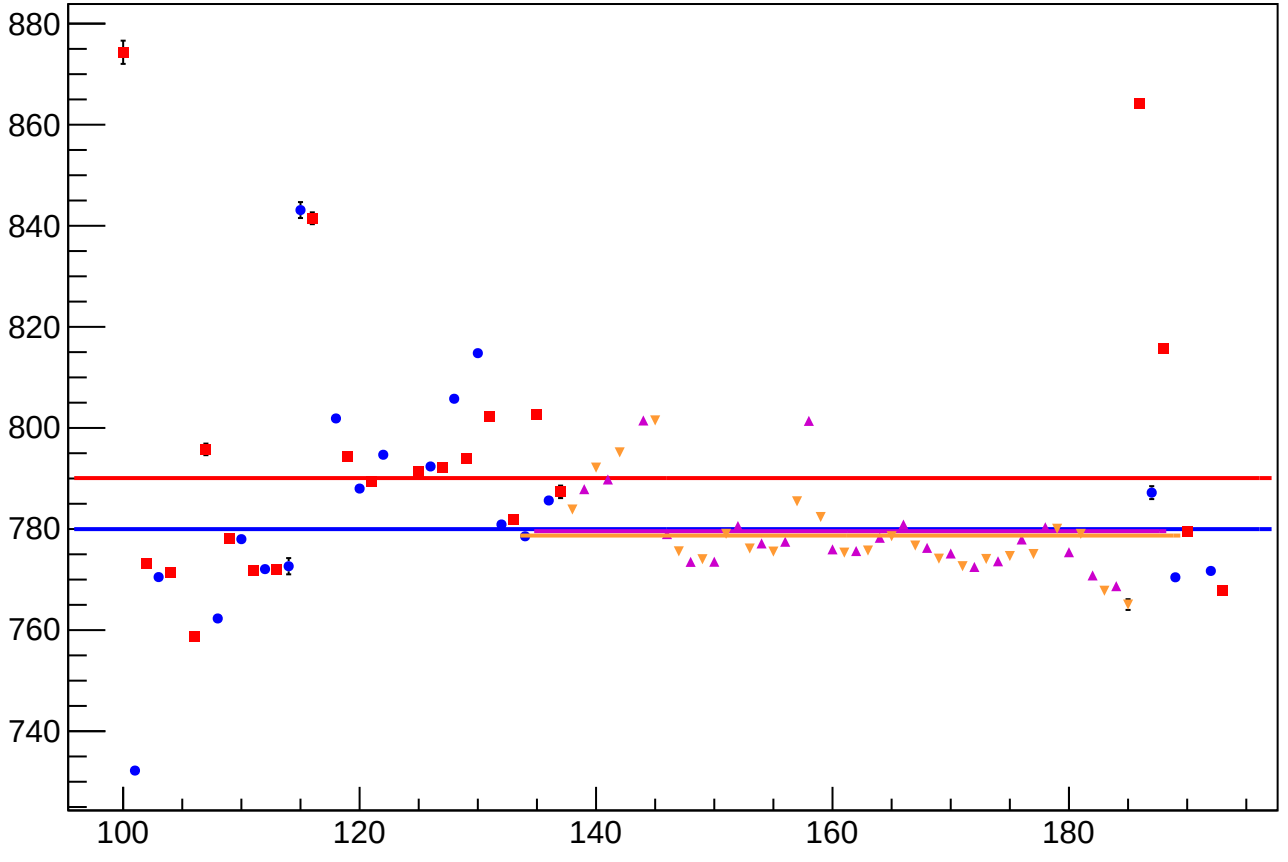
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

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

All: -53.934+/-104.699 χ^2/NDF: 438.1/87

- sign -2057.439+/-147.556 χ^2/NDF: 44.4/44

eigen_cor_asym_us_avg_rms vs Slug



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

Right Out: 790.082+/-0.178 χ^2/NDF: 16925.3/21

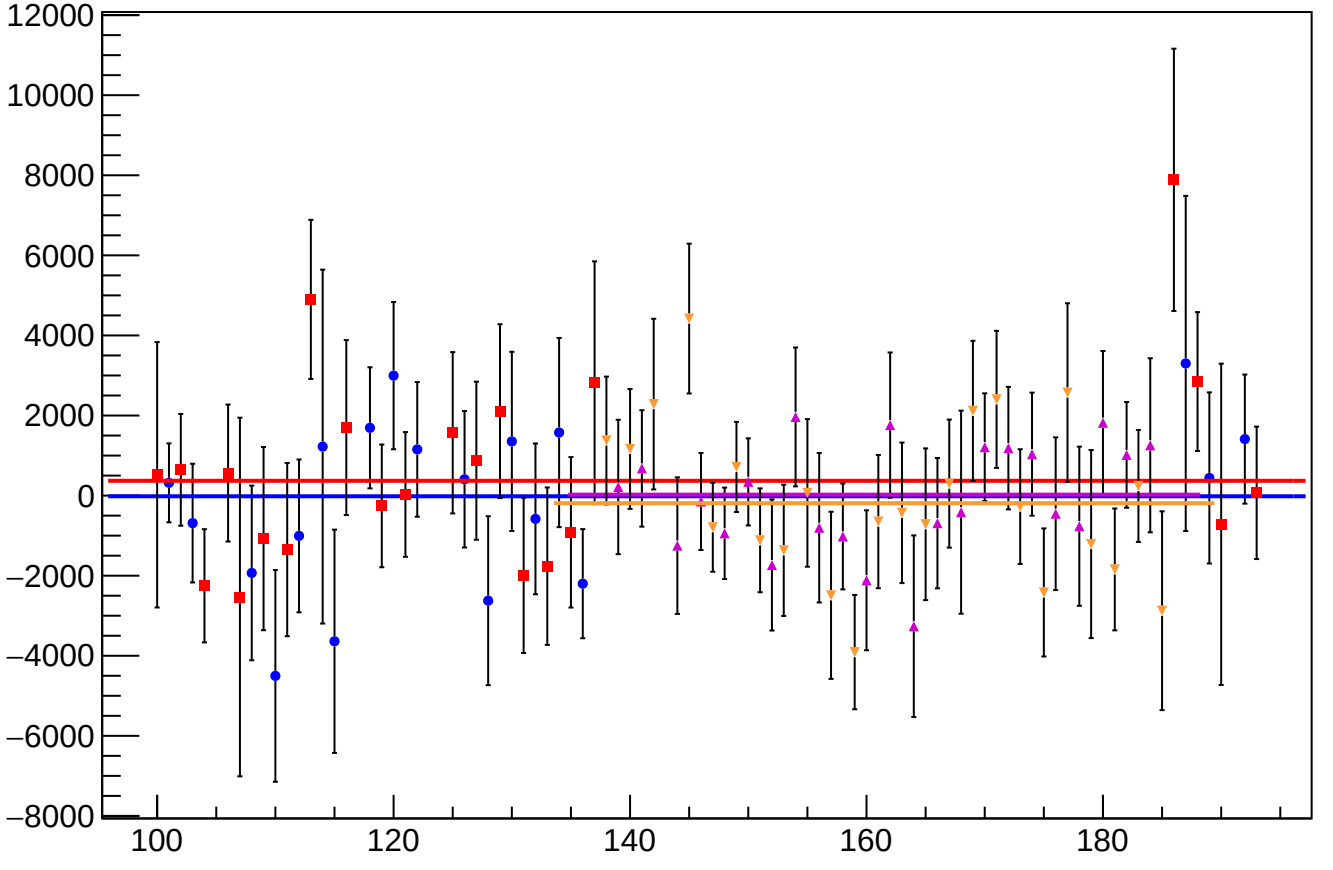
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

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

All: 781.164+/-0.074 χ^2/NDF: 40358.4/87

- sign 783.178+/-0.104 χ^2/NDF: 23383.2/44

asym_us_avg_eigen_cor_correction_mean vs Slug



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

Right Out: 369.950+/-419.303 χ^2/NDF: 23.0/21

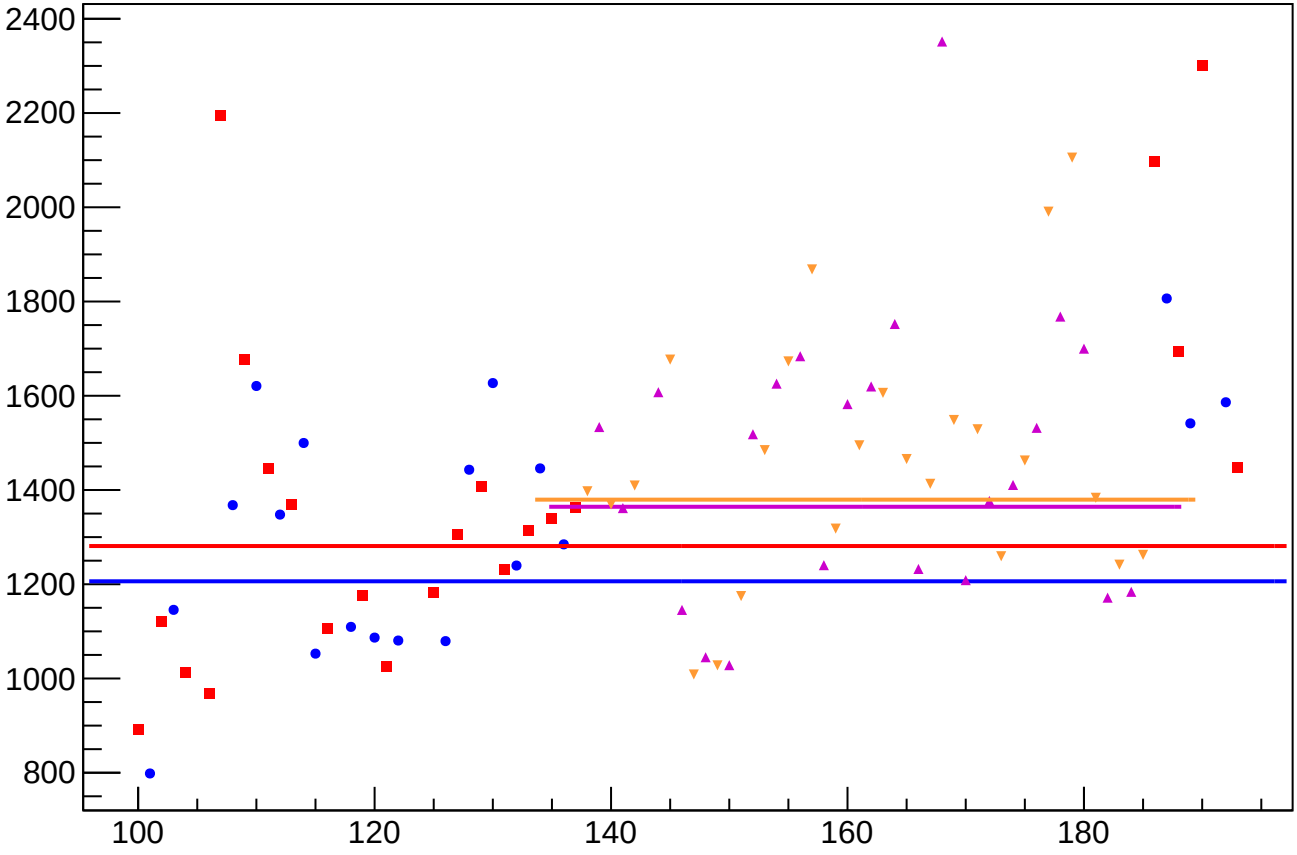
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

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

All: 15.531+/-181.879 χ^2/NDF: 84.1/87

- sign 154.084+/-257.272 χ^2/NDF: 36.9/44

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Right Out: 1281.092+/-0.296 χ^2/NDF: 832302.5/21

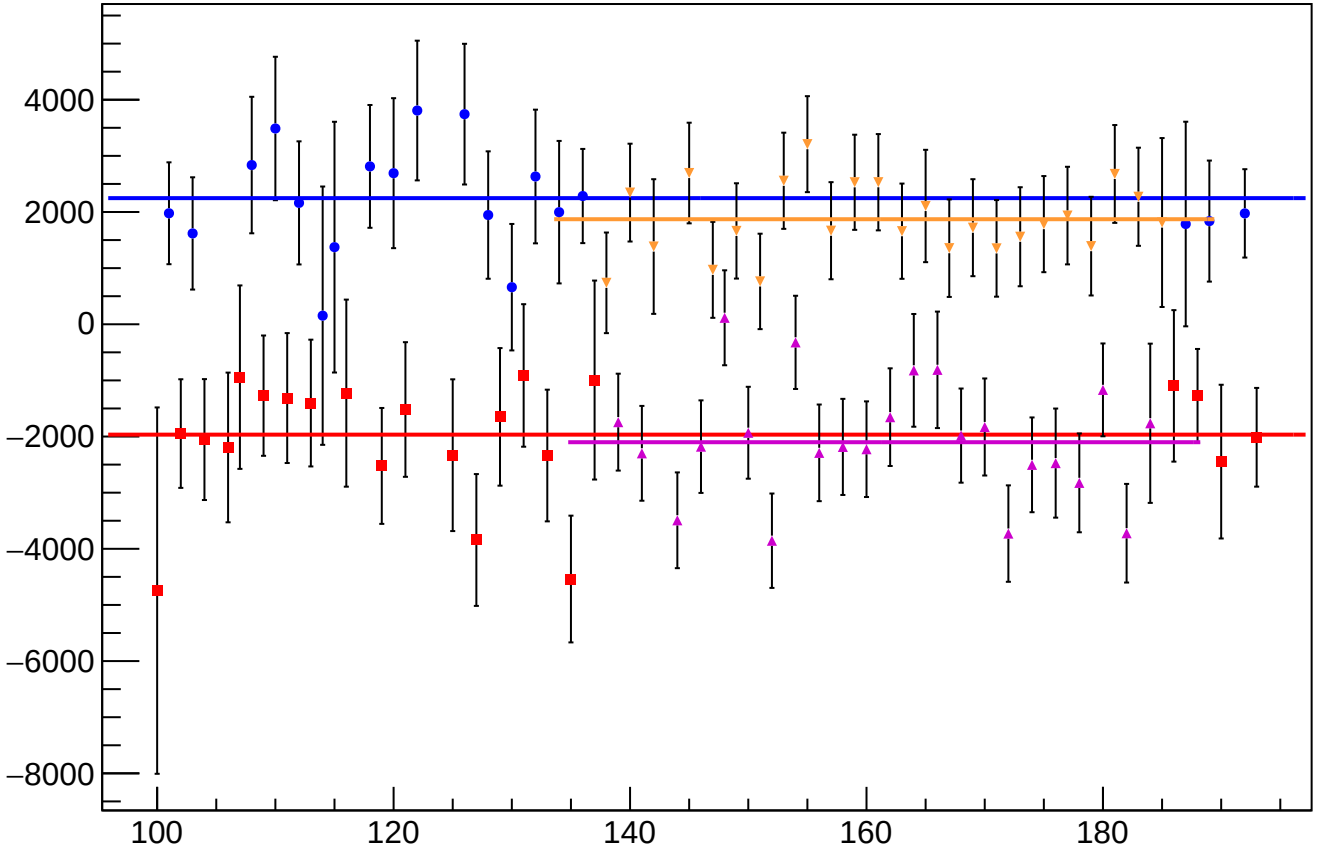
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

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

All: 1323.010+/-0.129 χ^2/NDF: 4368757.7/87

- sign 1333.045+/-0.182 χ^2/NDF: 2193843.5/44

dit_asym_us_avg_mean vs Slug



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: -1966.167+/-253.574 χ^2/NDF: 13.0/21

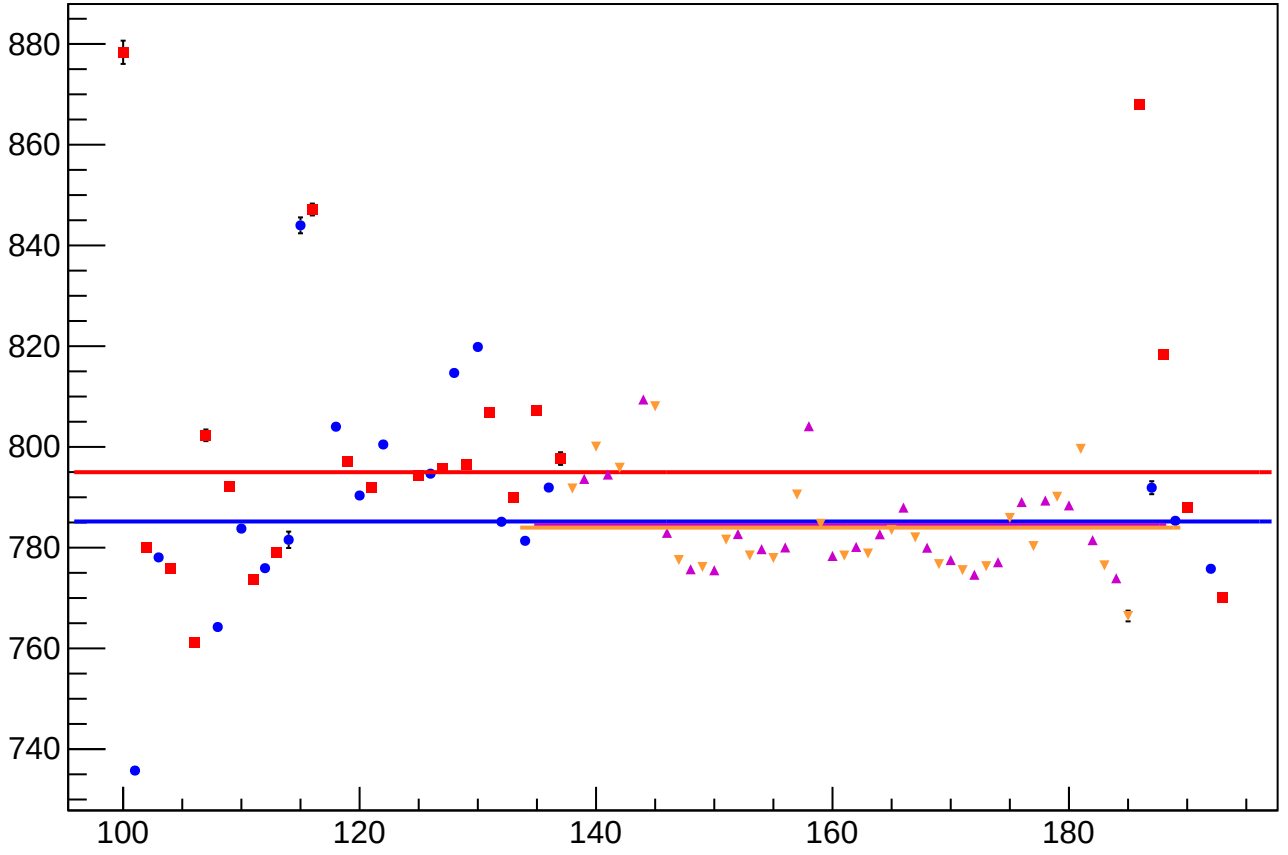
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

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

All: -45.773+/-105.385 χ^2/NDF: 436.2/87

- sign -2054.796+/-148.488 χ^2/NDF: 44.9/44

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: 794.983+/-0.179 χ^2/NDF: 16332.5/21

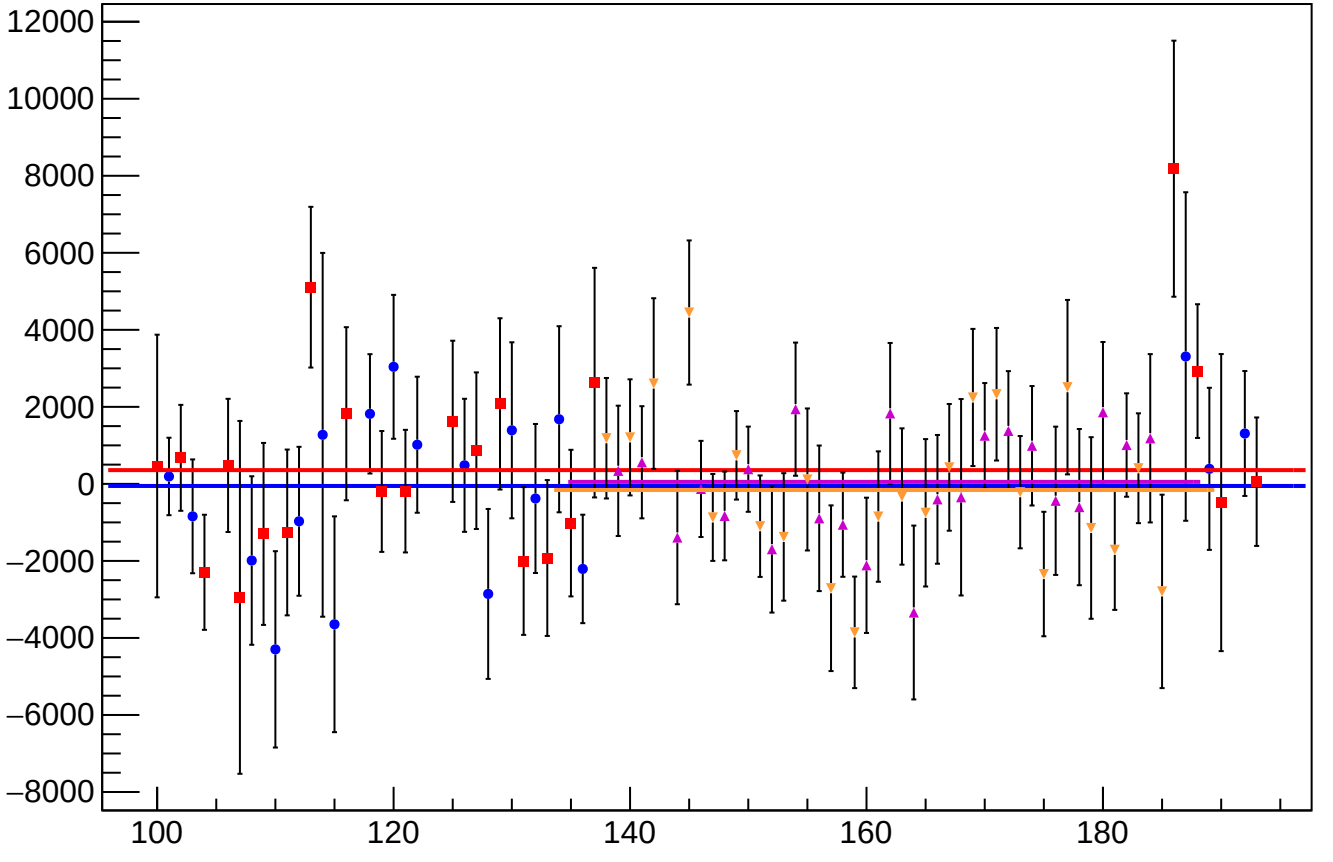
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

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

All: 786.240+/-0.075 χ^2/NDF: 42003.6/87

- sign 788.077+/-0.105 χ^2/NDF: 23518.1/44

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: 357.458+/-426.628 χ^2/NDF: 23.4/21

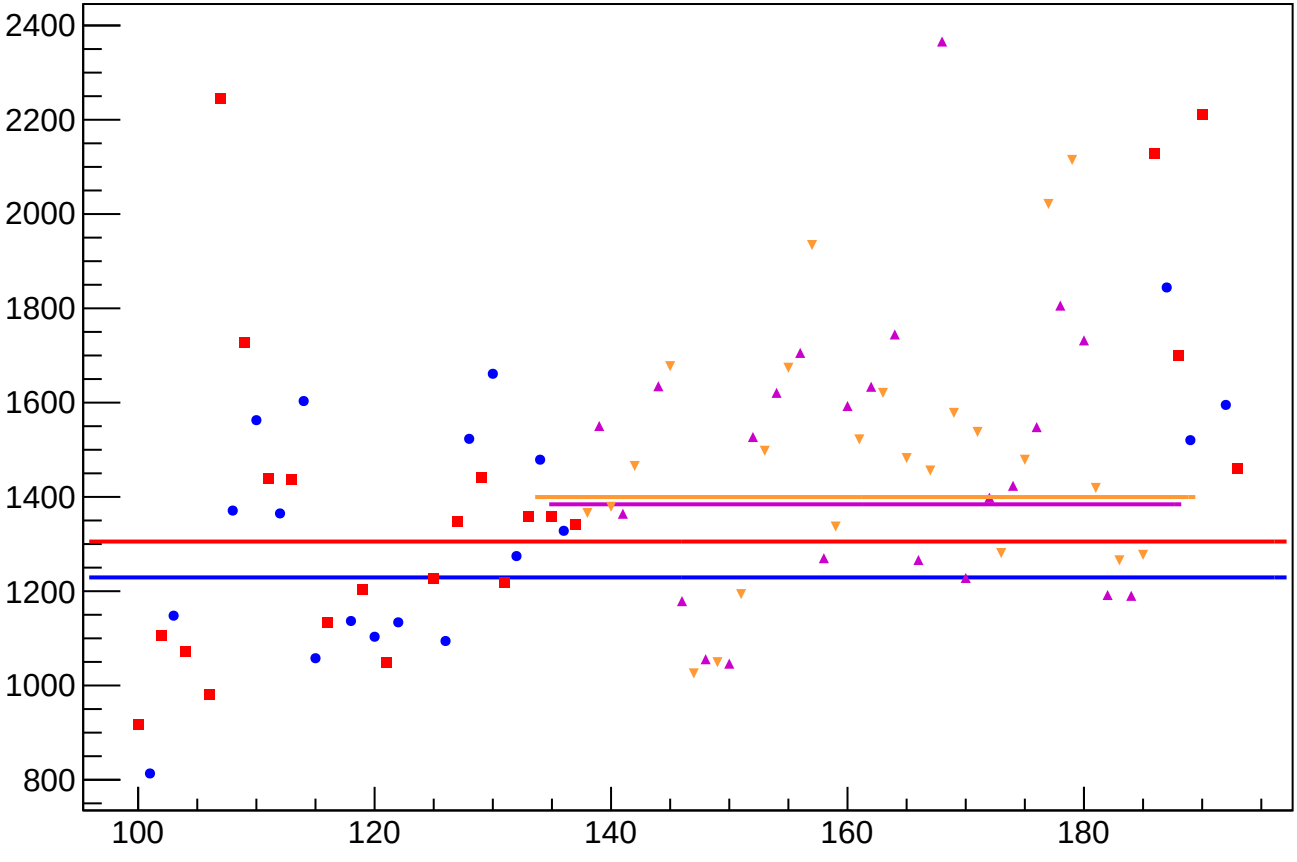
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

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

All: 23.695+/-184.626 χ^2/NDF: 83.6/87

- sign 166.419+/-261.127 χ^2/NDF: 37.1/44

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

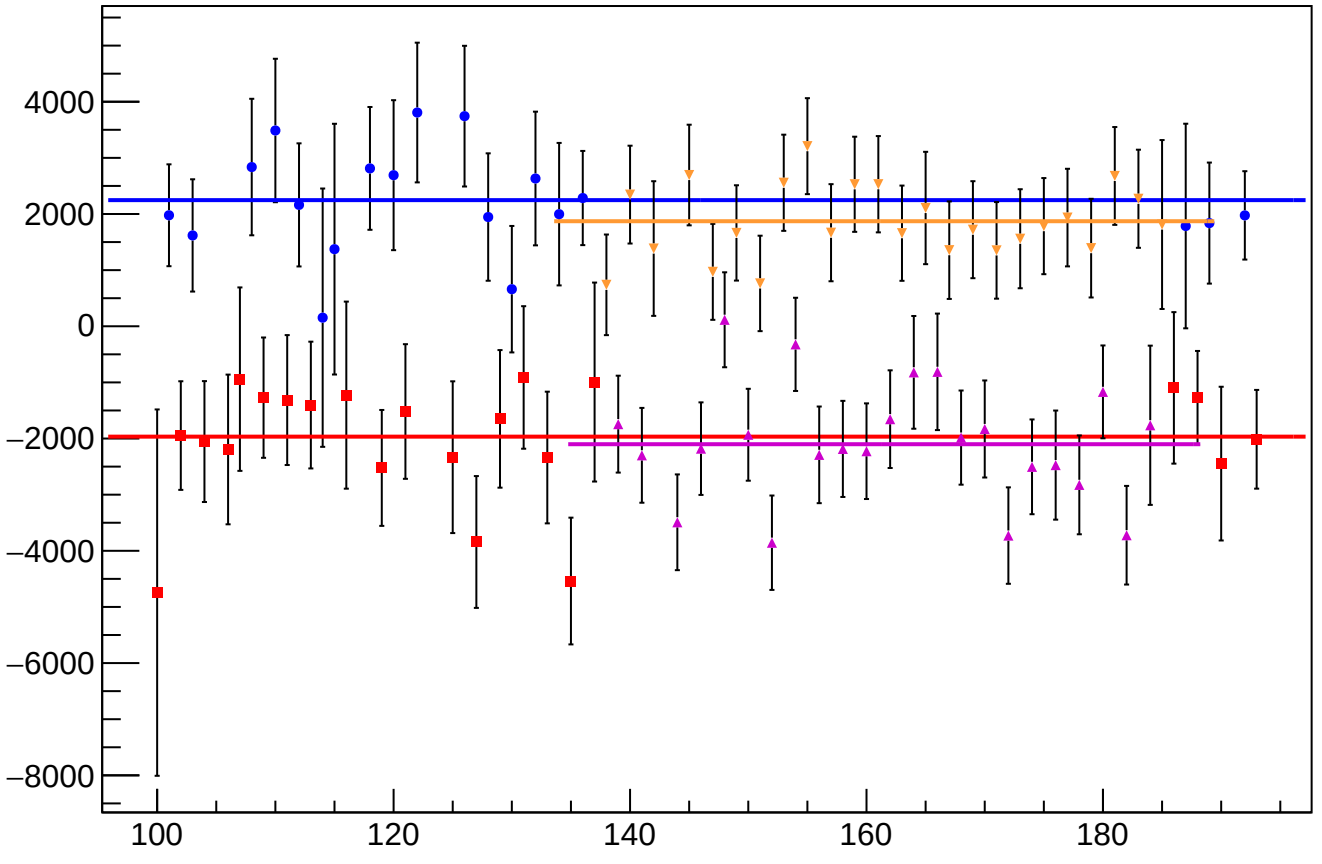
Right Out: 1305.313+/-0.302 χ^2/NDF: 794315.0/21

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

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

All: 1344.630+/-0.131 χ^2/NDF: 4226732.0/87

- sign 1354.730+/-0.185 χ^2/NDF: 2107160.5/44



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: -1966.167+/-253.574 χ^2/NDF: 13.0/21

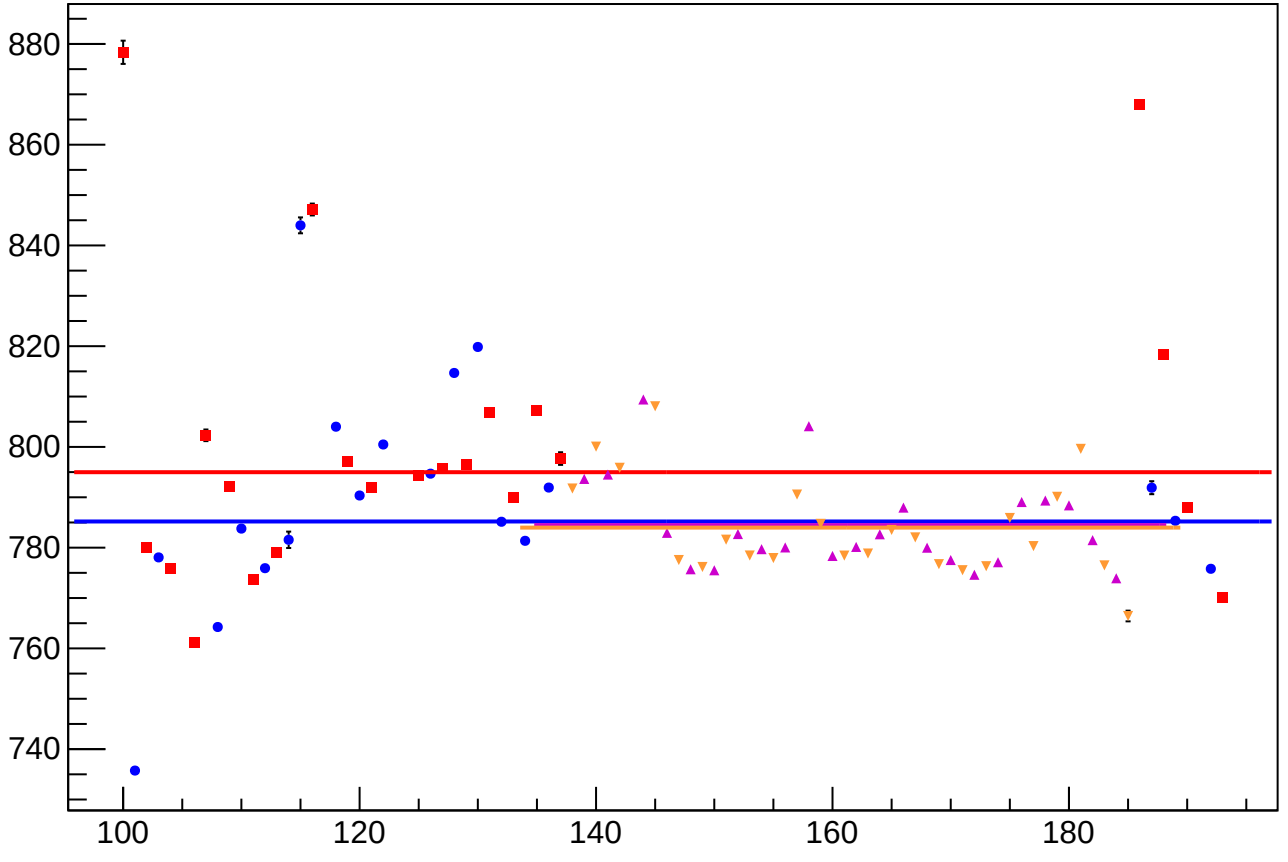
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

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

All: -45.774+/-105.385 χ^2/NDF: 436.2/87

- sign -2054.796+/-148.488 χ^2/NDF: 44.9/44

eigen_dit_asym_us_avg_rms vs Slug



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

Right Out: 794.983+/-0.179 χ^2/NDF: 16332.5/21

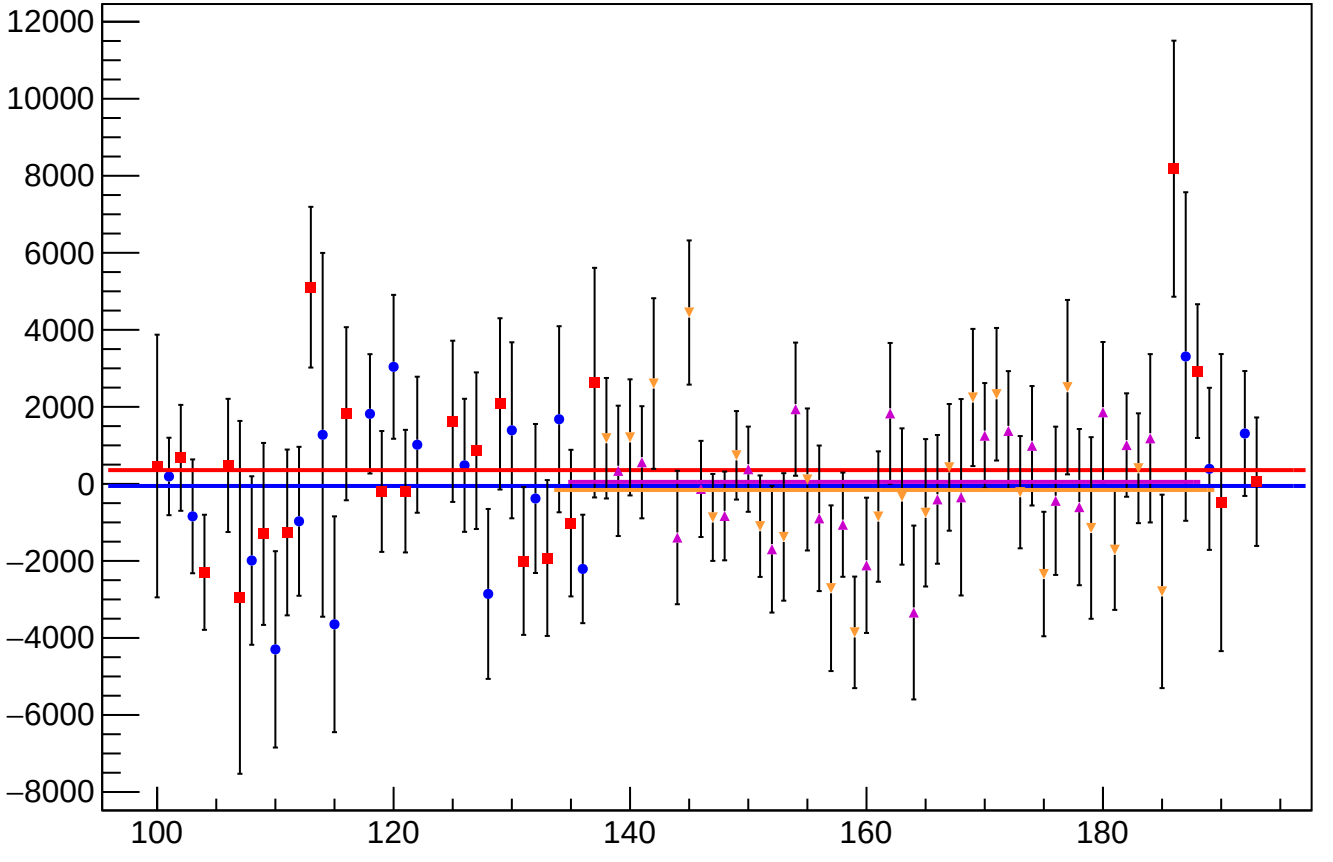
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

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

All: 786.240+/-0.075 χ^2/NDF: 42003.5/87

- sign 788.077+/-0.105 χ^2/NDF: 23518.1/44

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: 357.455+/-426.627 χ^2/NDF: 23.4/21

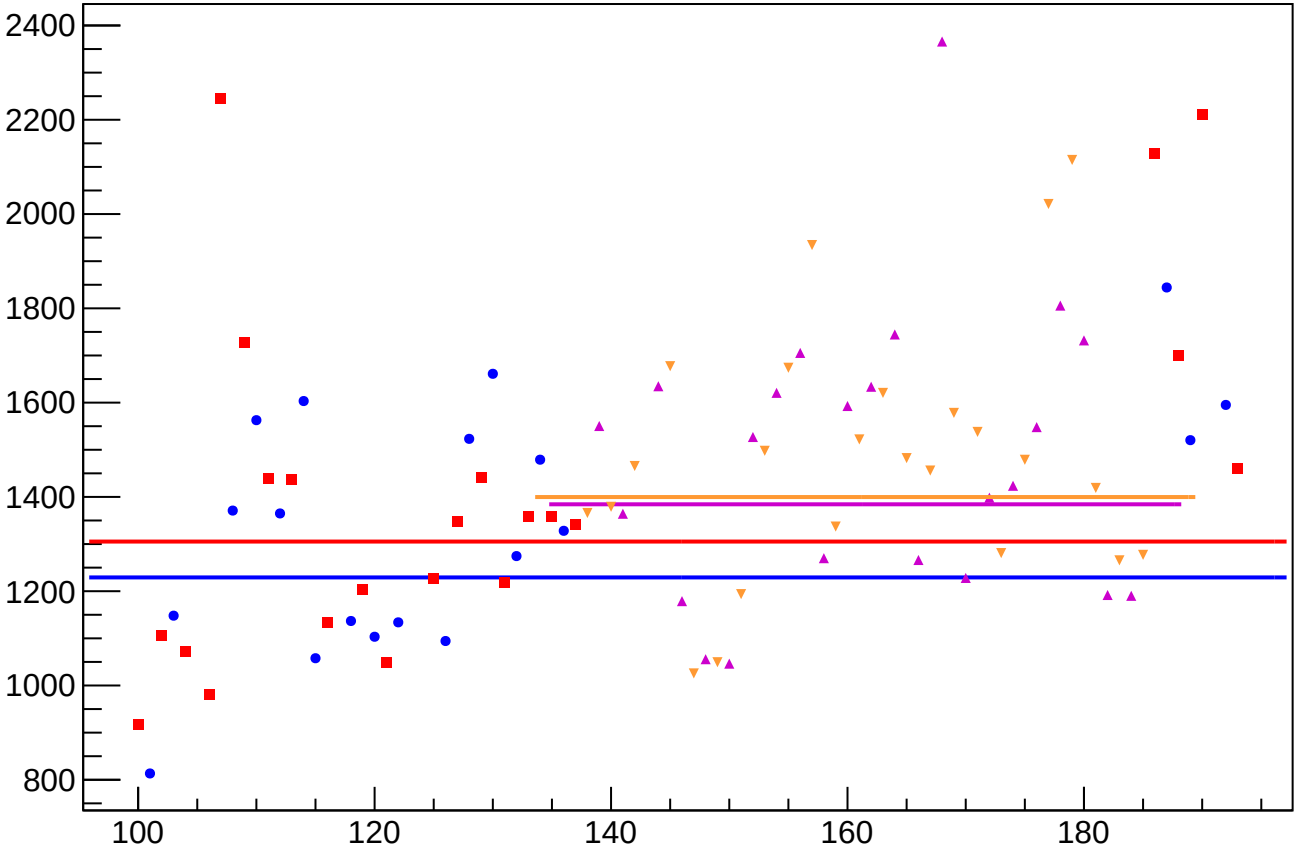
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

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

All: 23.693+/-184.626 χ^2/NDF: 83.6/87

- sign 166.419+/-261.127 χ^2/NDF: 37.1/44

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: 1305.310+/-0.302 χ^2/NDF: 794319.1/21

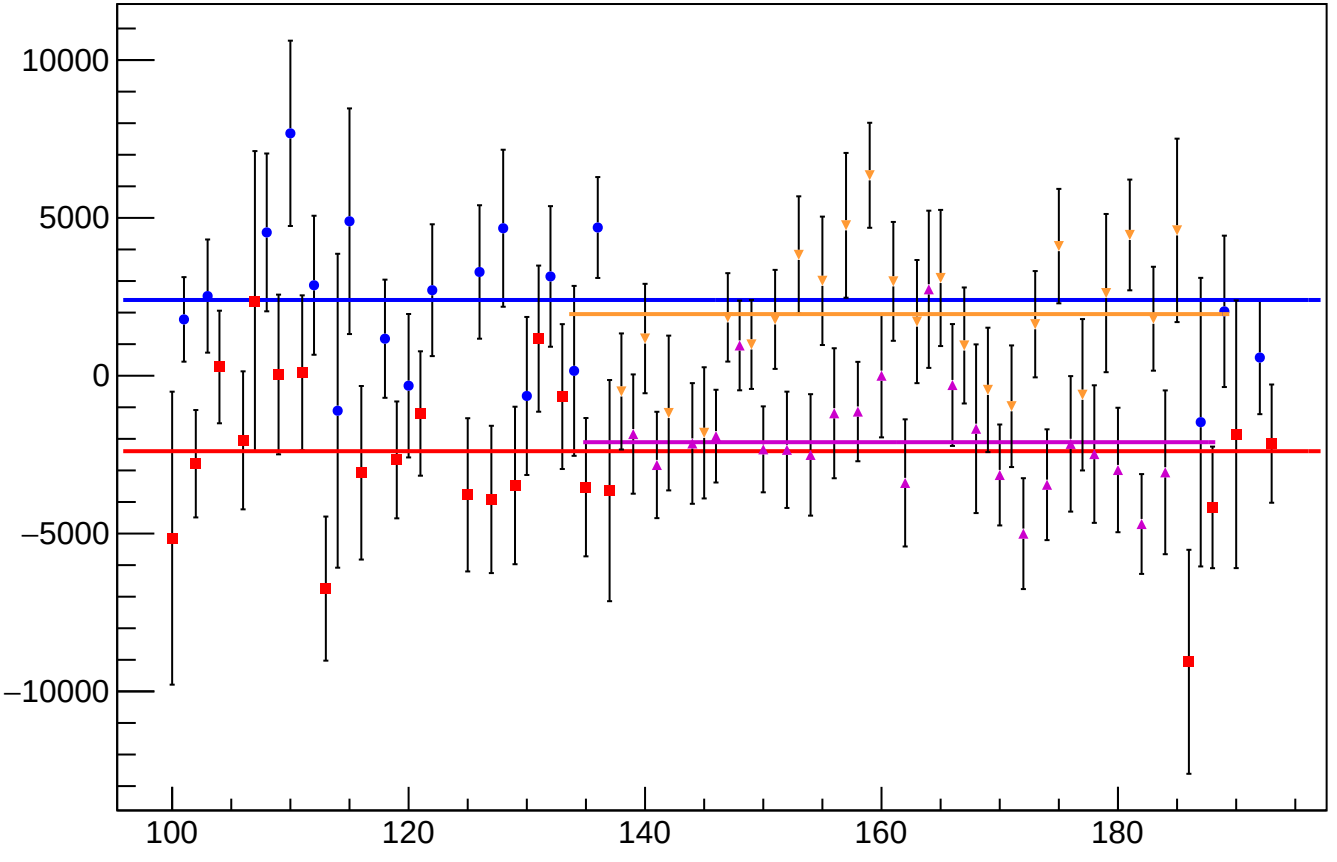
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

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

All: 1344.631+/-0.131 χ^2/NDF: 4226757.5/87

\- sign 1354.730+/-0.185 χ^2/NDF: 2107171.5/44

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: -2390.542+/-498.382 χ^2/NDF: 18.4/21

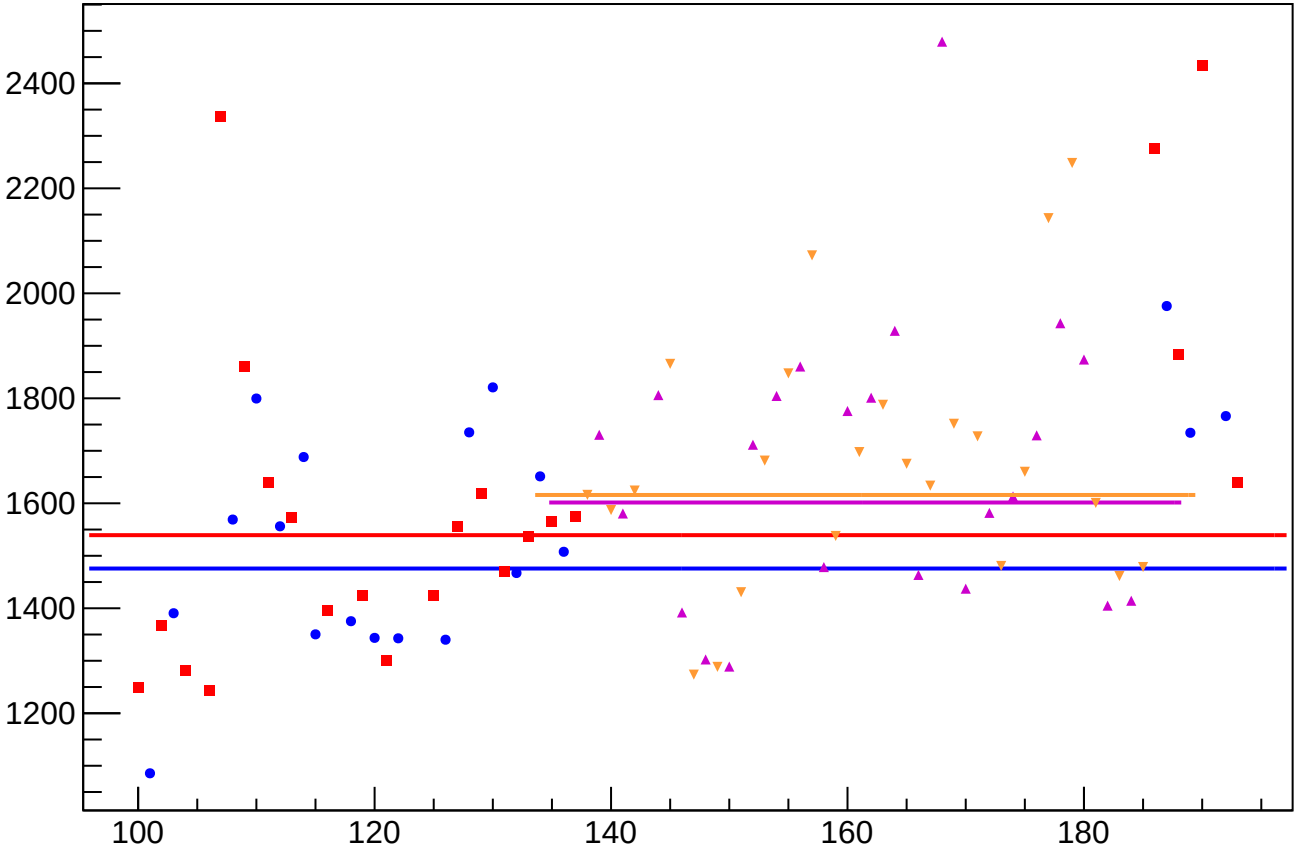
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

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

All: -55.234+/-213.744 χ^2/NDF: 181.7/87

- sign -2209.905+/-301.704 χ^2/NDF: 37.2/44

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

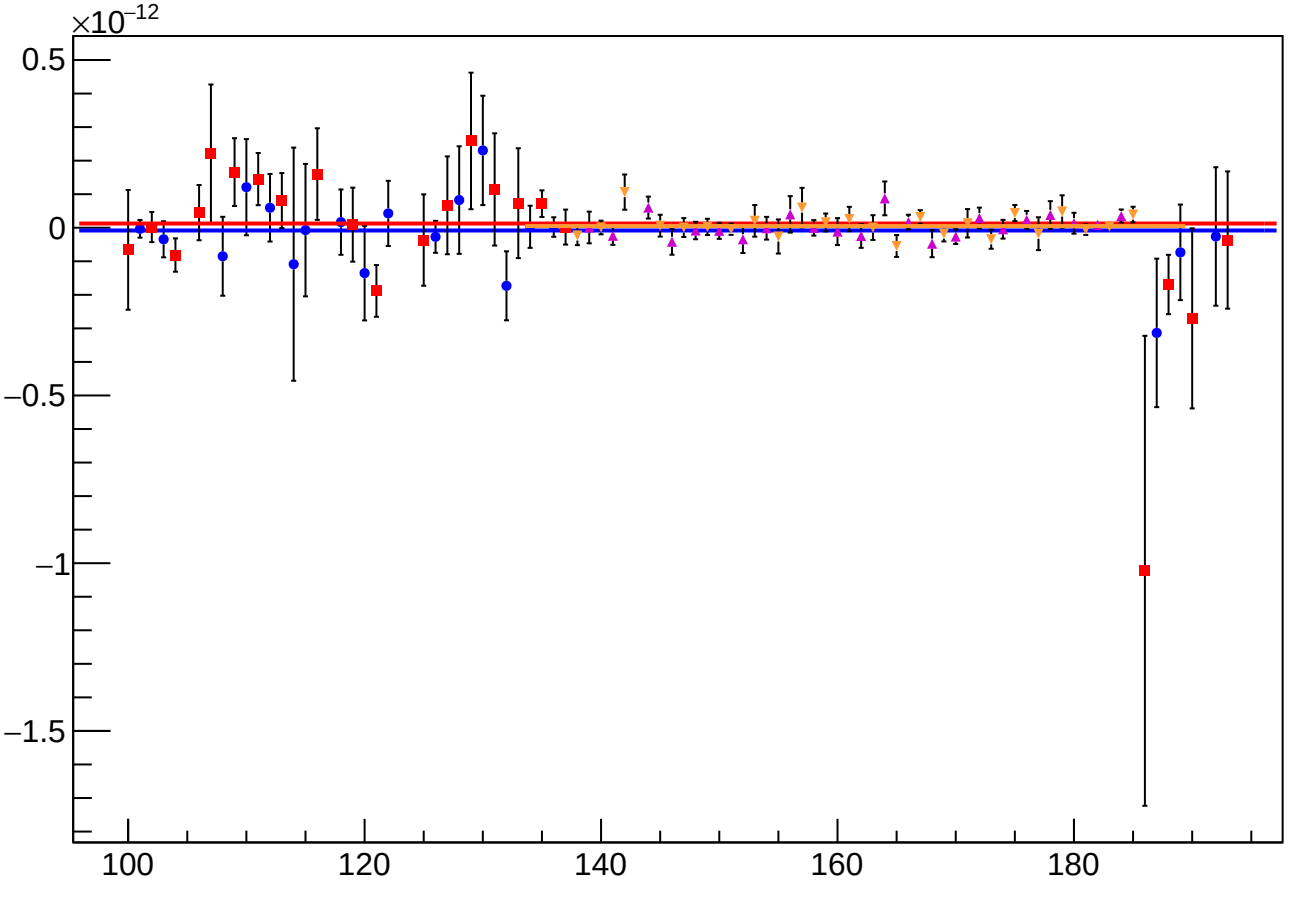
Right Out: 1539.300+/-0.352 χ^2/NDF: 493971.3/21

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

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

All: 1571.683+/-0.151 χ^2/NDF: 2510938.3/87

- sign 1578.703+/-0.213 χ^2/NDF: 1307427.2/44



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

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

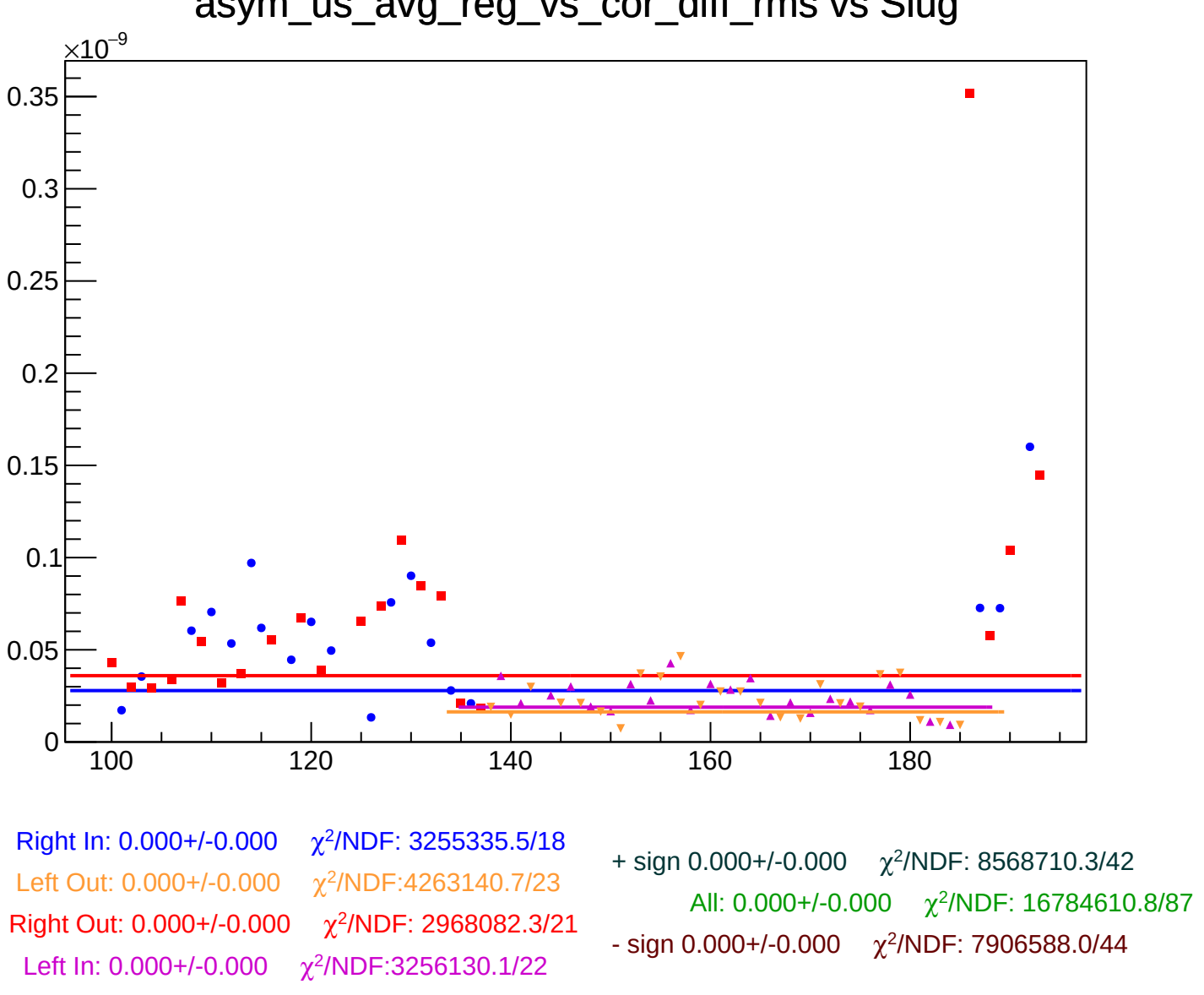
Right Out: 0.000+/-0.000 χ^2/NDF: 30.9/21

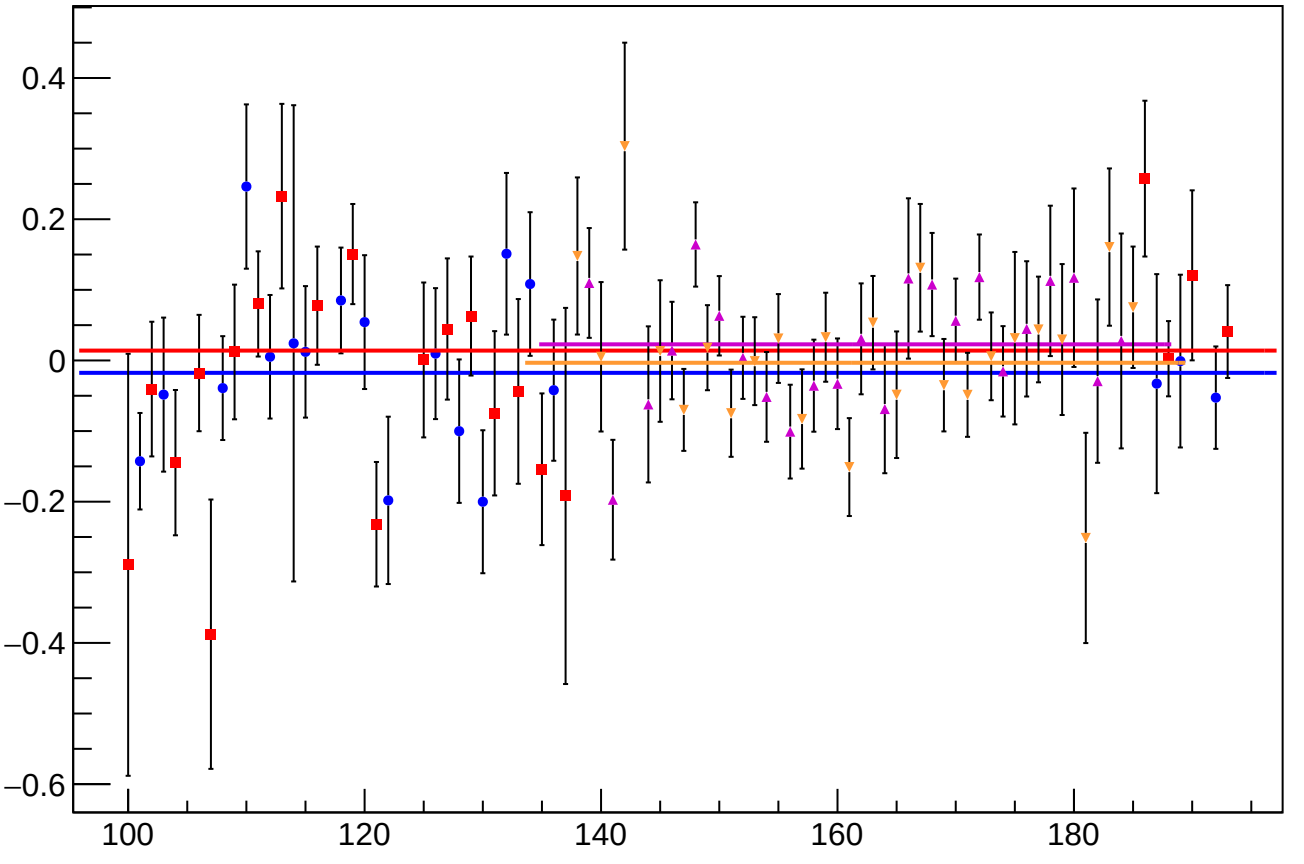
Left In: 0.000+/-0.000 χ^2/NDF:19.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.4/42

All: 0.000+/-0.000 χ^2/NDF: 82.9/87

- sign 0.000+/-0.000 χ^2/NDF: 50.5/44


asym_us_avg_reg_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: 3255335.5/18
Left Out: 0.000+/-0.000 χ²/NDF:4263140.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 2968082.3/21
Left In: 0.000+/-0.000 χ²/NDF:3256130.1/22
+ sign 0.000+/-0.000 χ²/NDF: 8568710.3/42
All: 0.000+/-0.000 χ²/NDF: 16784610.8/87
- sign 0.000+/-0.000 χ²/NDF: 7906588.0/44



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: 0.014+/-0.020 χ^2/NDF: 34.1/21

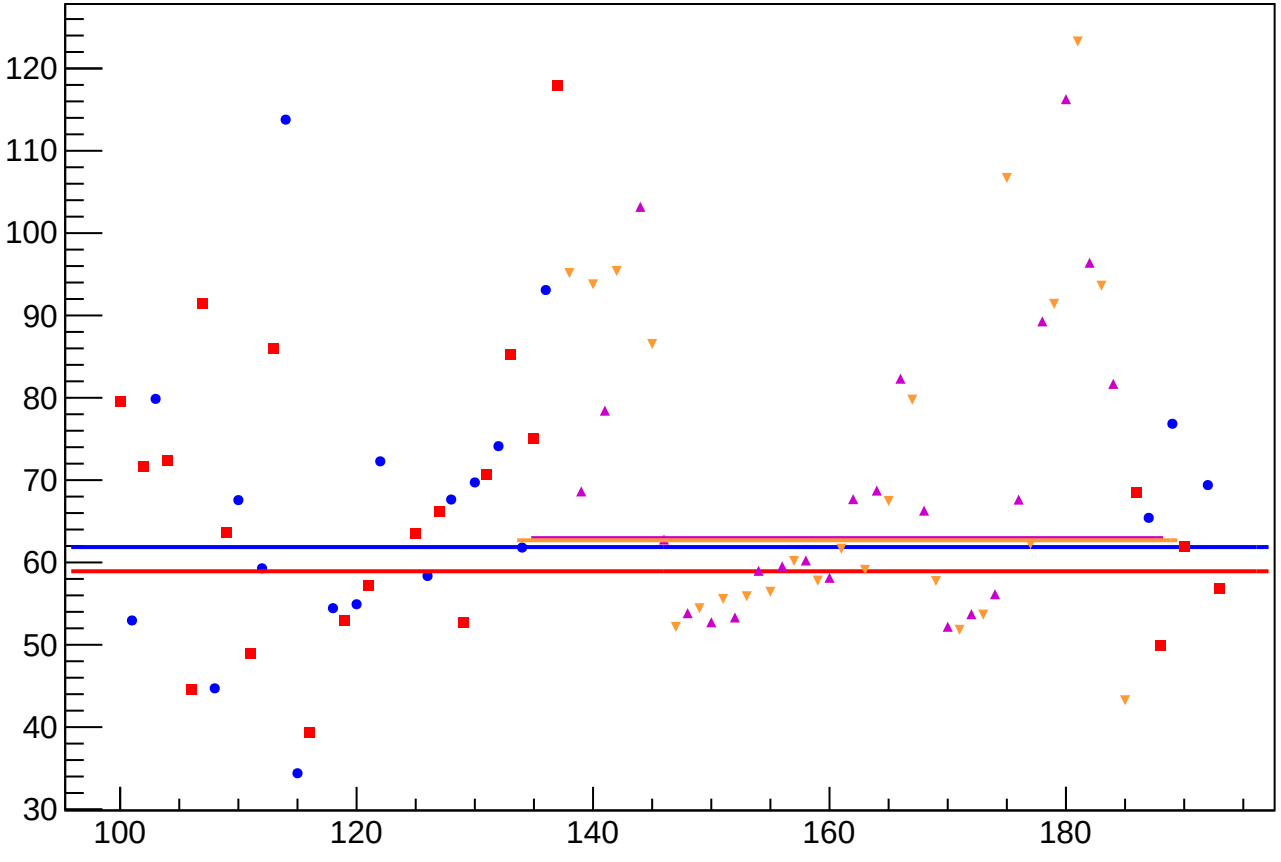
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

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

All: 0.006+/-0.009 χ^2/NDF: 113.4/87

- sign 0.020+/-0.012 χ^2/NDF: 63.2/44

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

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

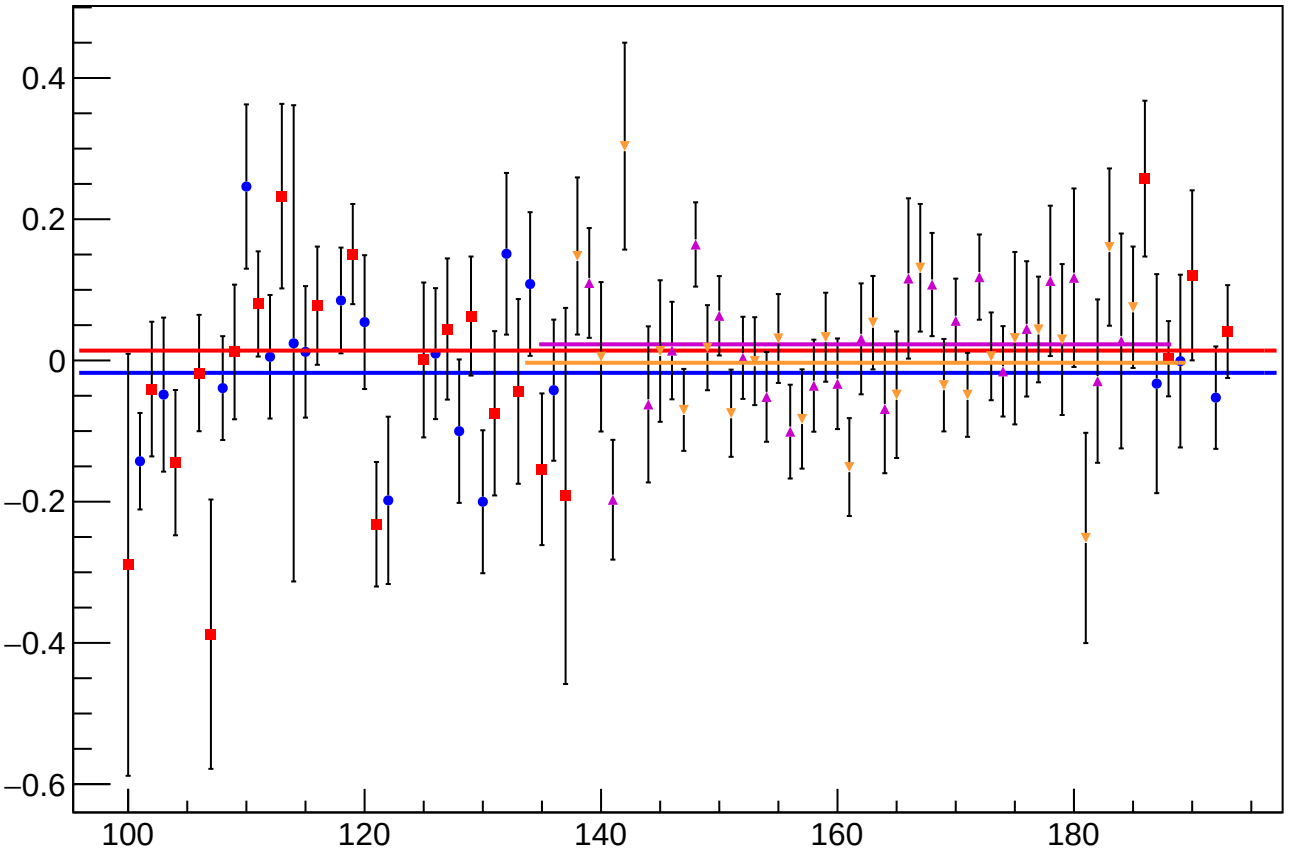
Right Out: 58.928+/-0.014 χ^2/NDF: 794862.4/21

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

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

All: 61.916+/-0.006 χ^2/NDF: 4986713.6/87

\- sign 61.445+/-0.009 χ^2/NDF: 2275980.6/44



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

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

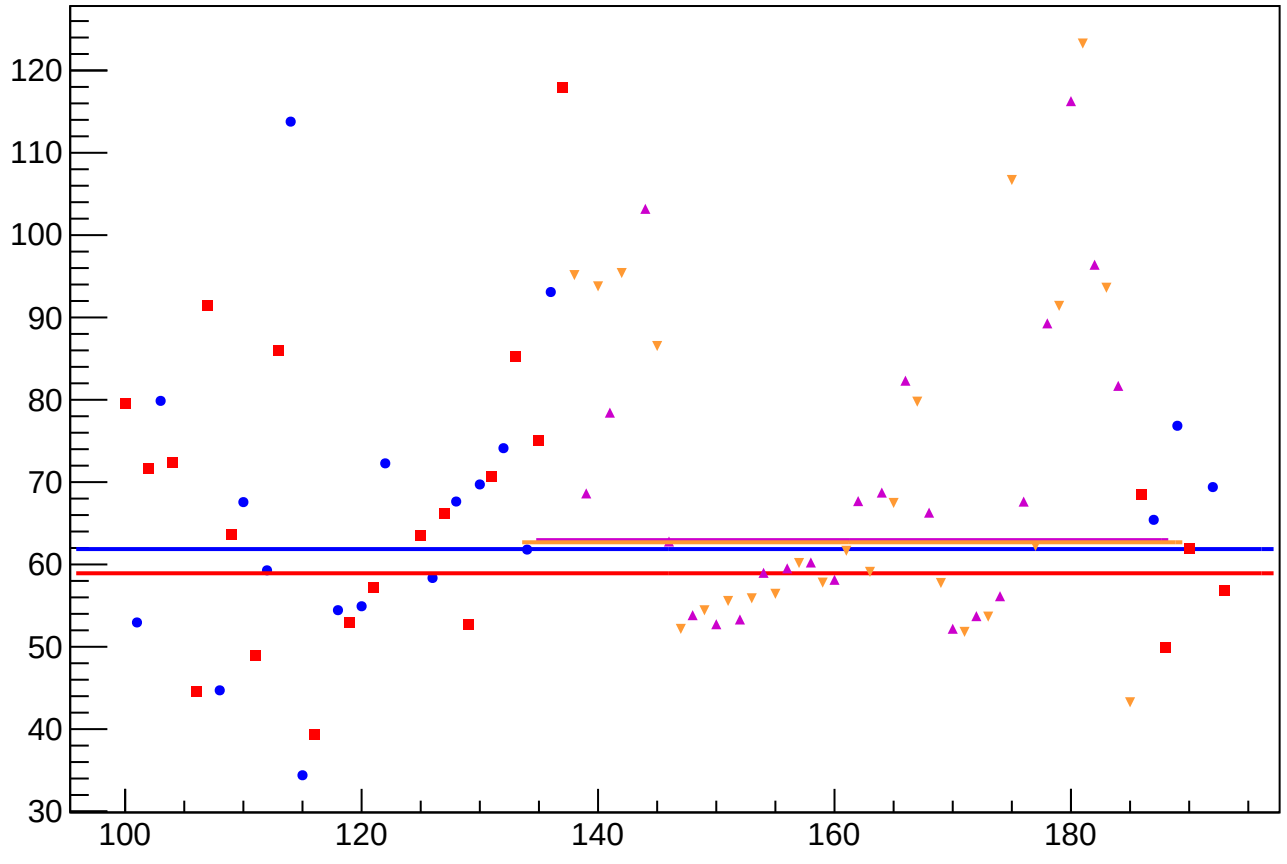
Right Out: 0.014+/-0.020 χ^2/NDF: 34.1/21

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: 113.4/87

- sign 0.020+/-0.012 χ^2/NDF: 63.2/44



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: 58.928+/-0.014 χ^2/NDF: 794862.4/21

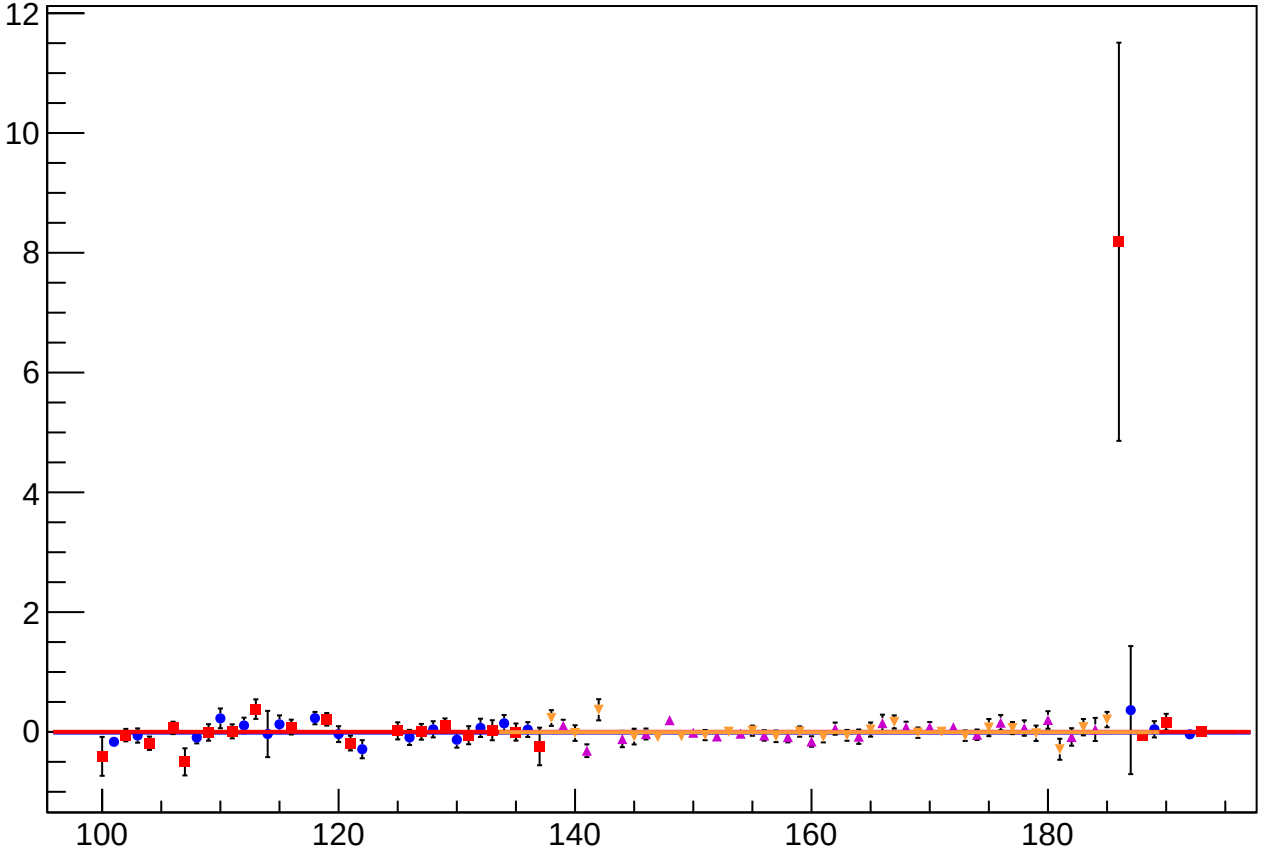
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

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

All: 61.916+/-0.006 χ^2/NDF: 4986713.6/87

- sign 61.445+/-0.009 χ^2/NDF: 2275980.6/44

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: 0.002+/-0.027 χ^2/NDF: 32.0/21

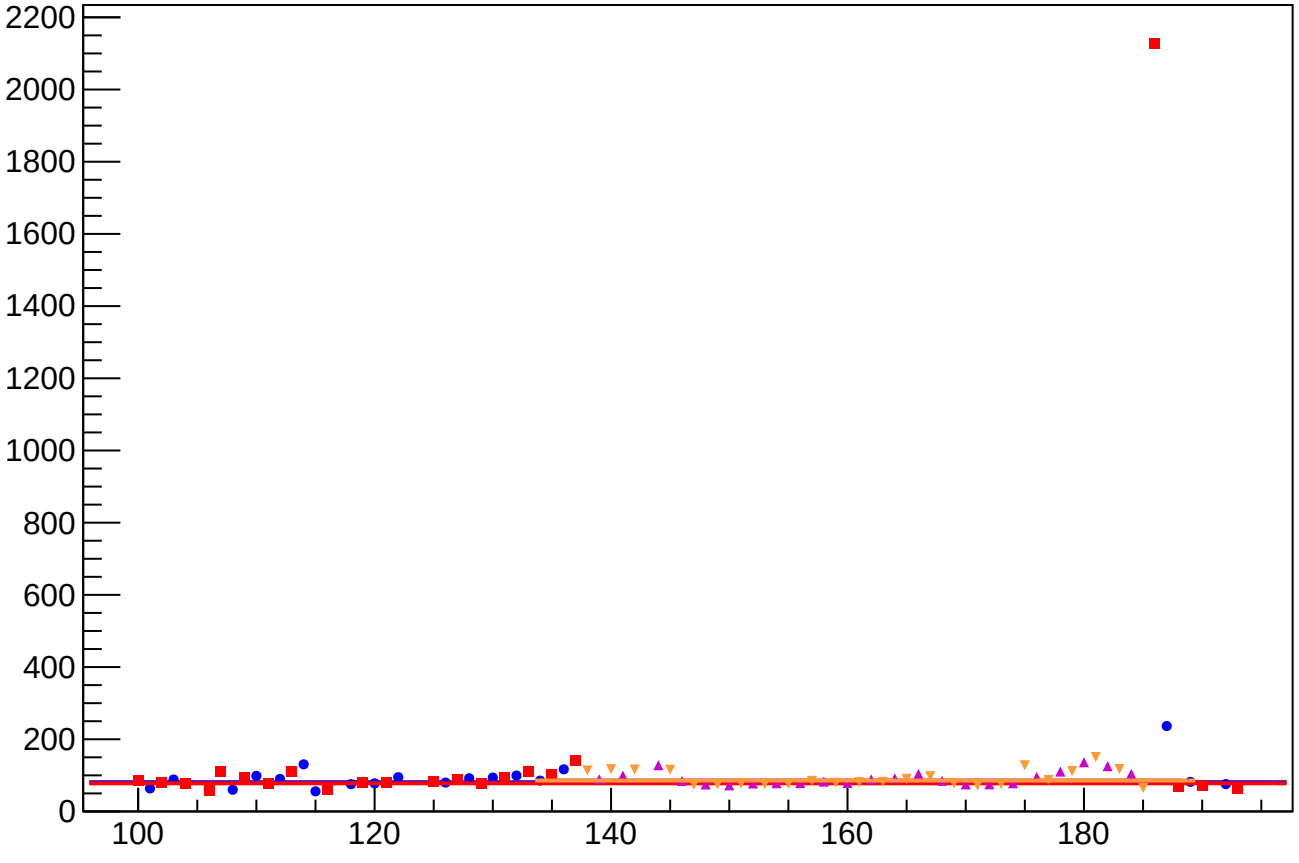
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

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

All: -0.004+/-0.012 χ^2/NDF: 104.6/87

- sign -0.000+/-0.016 χ^2/NDF: 62.5/44

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: 77.992+/-0.019 χ^2/NDF: 1399209.5/21

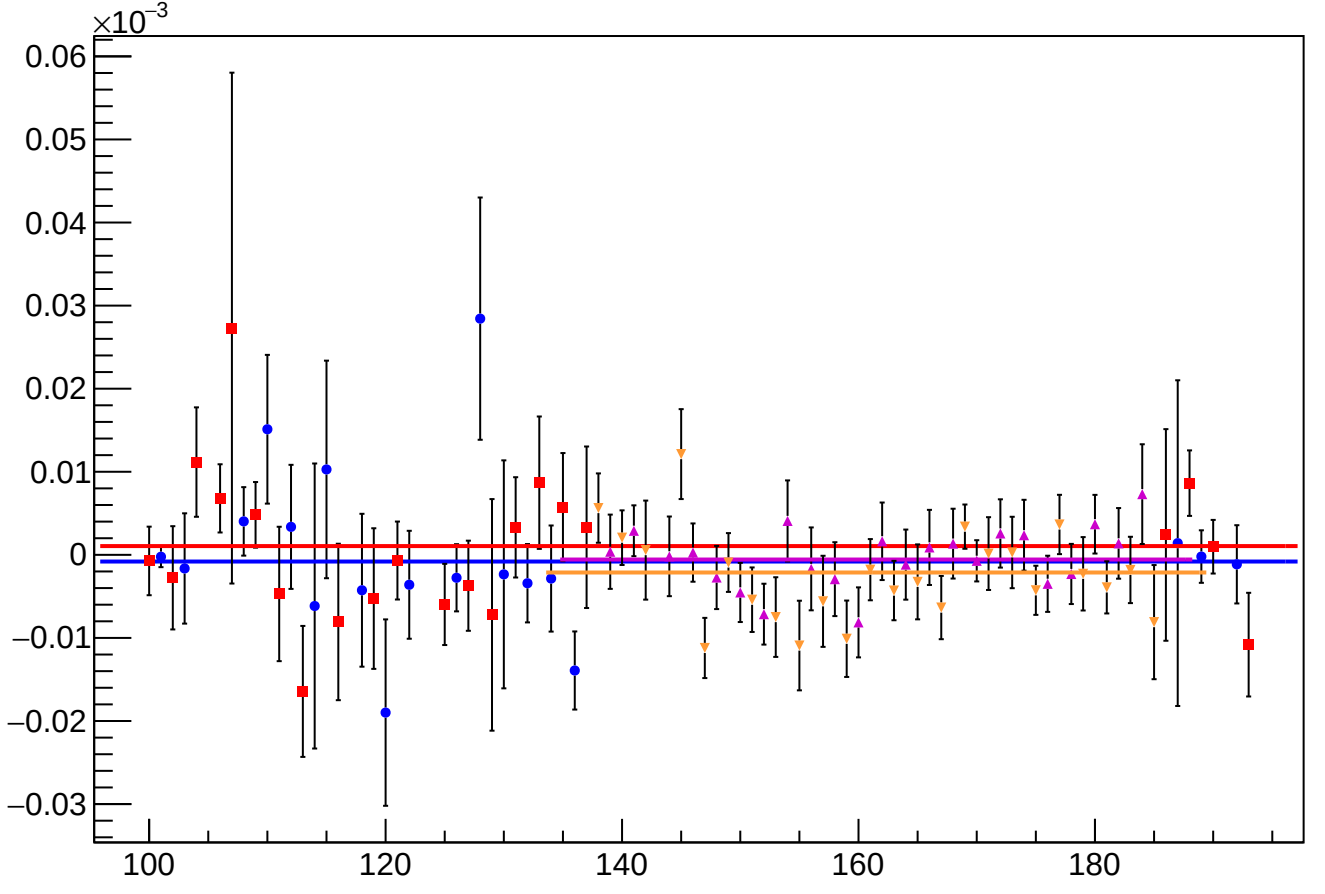
Left In: 85.679+/-0.015 χ^2/NDF:995870.4/22

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

All: 83.404+/-0.008 χ^2/NDF: 4506546.2/87

- sign 82.782+/-0.012 χ^2/NDF: 2499217.2/44

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: 25.7/21

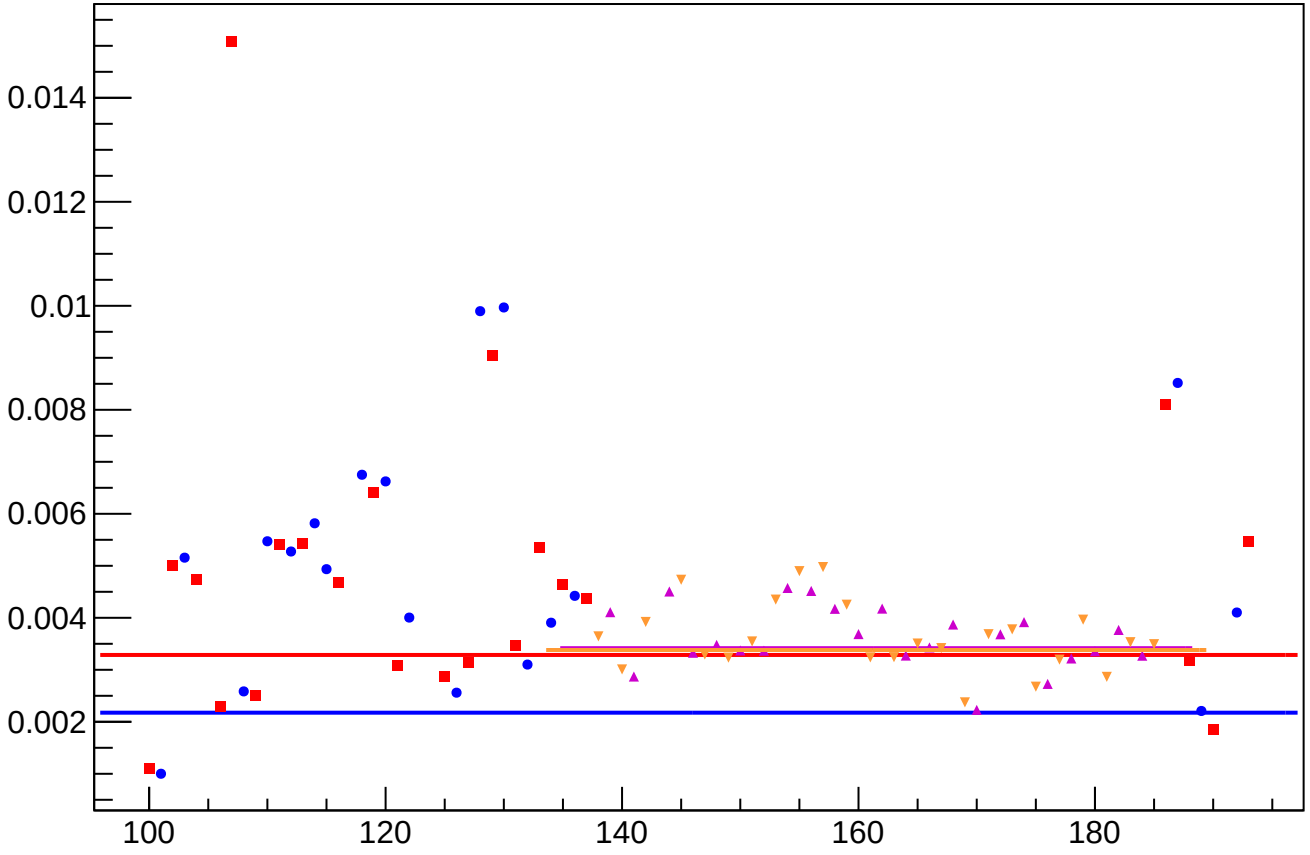
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

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

All: -0.000+/-0.000 χ^2/NDF: 106.2/87

- sign -0.000+/-0.000 χ^2/NDF: 43.6/44

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: 3430062.1/21

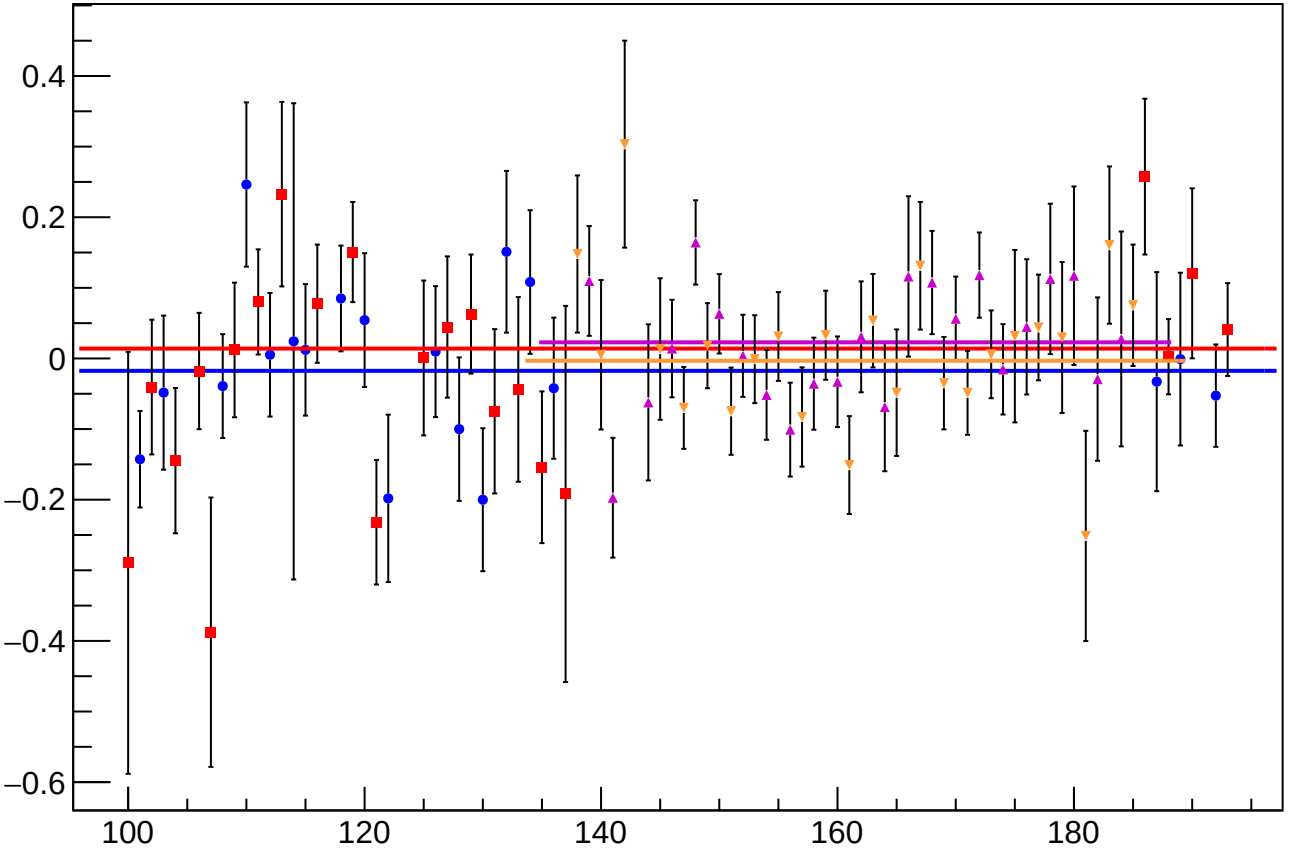
Left In: 0.003+/-0.000 χ^2/NDF:1170356.5/22

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

All: 0.003+/-0.000 χ^2/NDF: 14701206.7/87

- sign 0.003+/-0.000 χ^2/NDF: 4616446.8/44

asym_us_avg_eigen_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

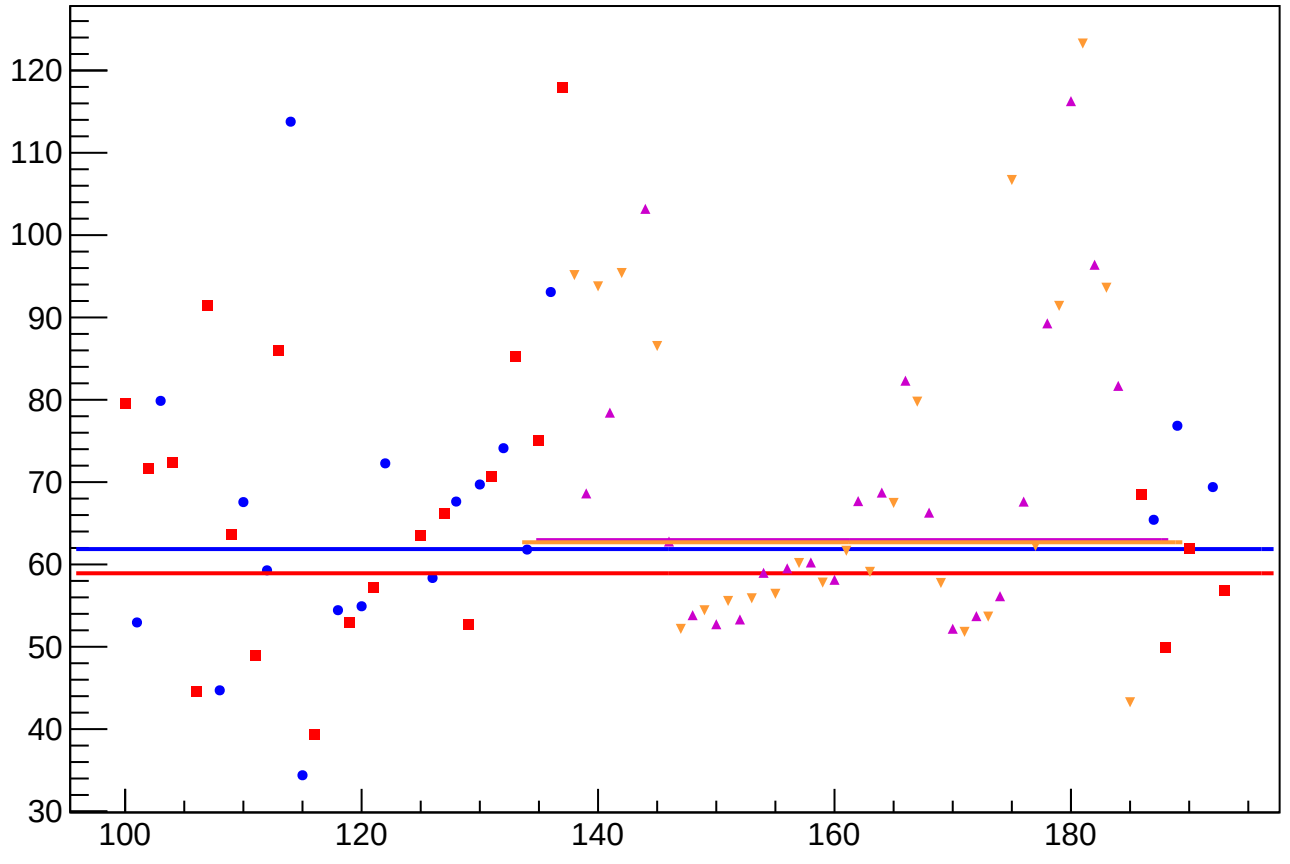
Right Out: 0.014+/-0.020 χ^2/NDF: 34.1/21

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: 113.4/87

- sign 0.020+/-0.012 χ^2/NDF: 63.2/44



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

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

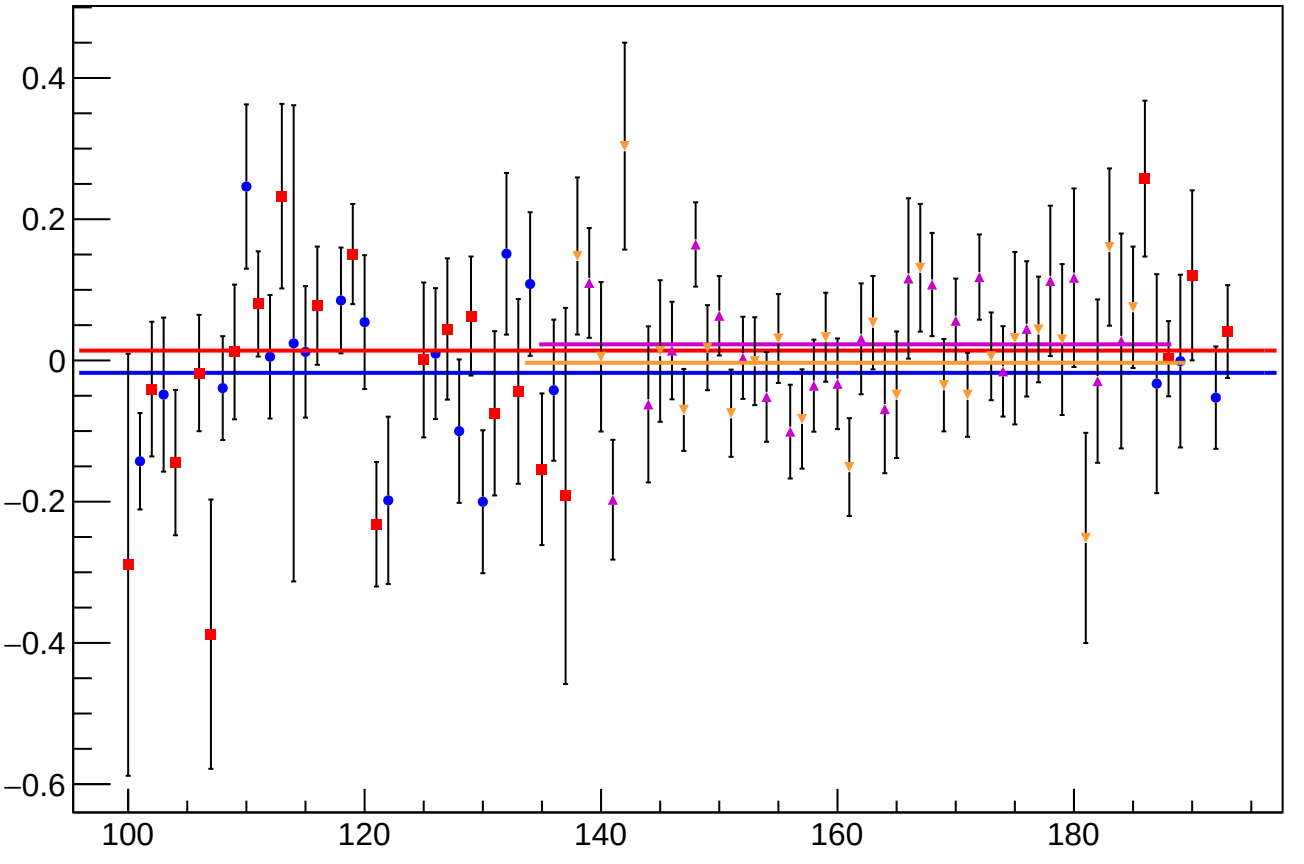
Right Out: 58.928+/-0.014 χ^2/NDF: 794852.3/21

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

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

All: 61.916+/-0.006 χ^2/NDF: 4986731.7/87

- sign 61.445+/-0.009 χ^2/NDF: 2275977.5/44



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

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

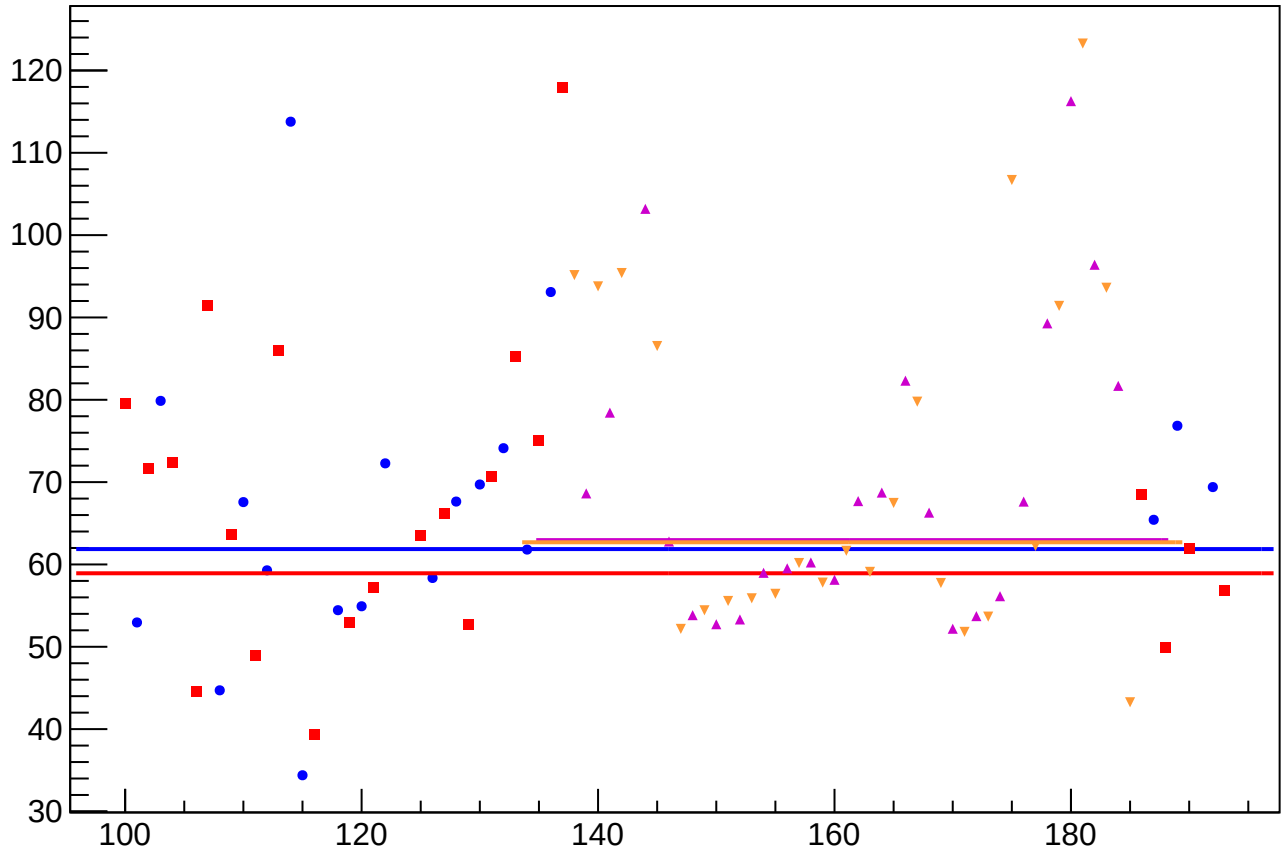
Right Out: 0.014+/-0.020 χ^2/NDF: 34.1/21

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: 113.4/87

- sign 0.020+/-0.012 χ^2/NDF: 63.2/44



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

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

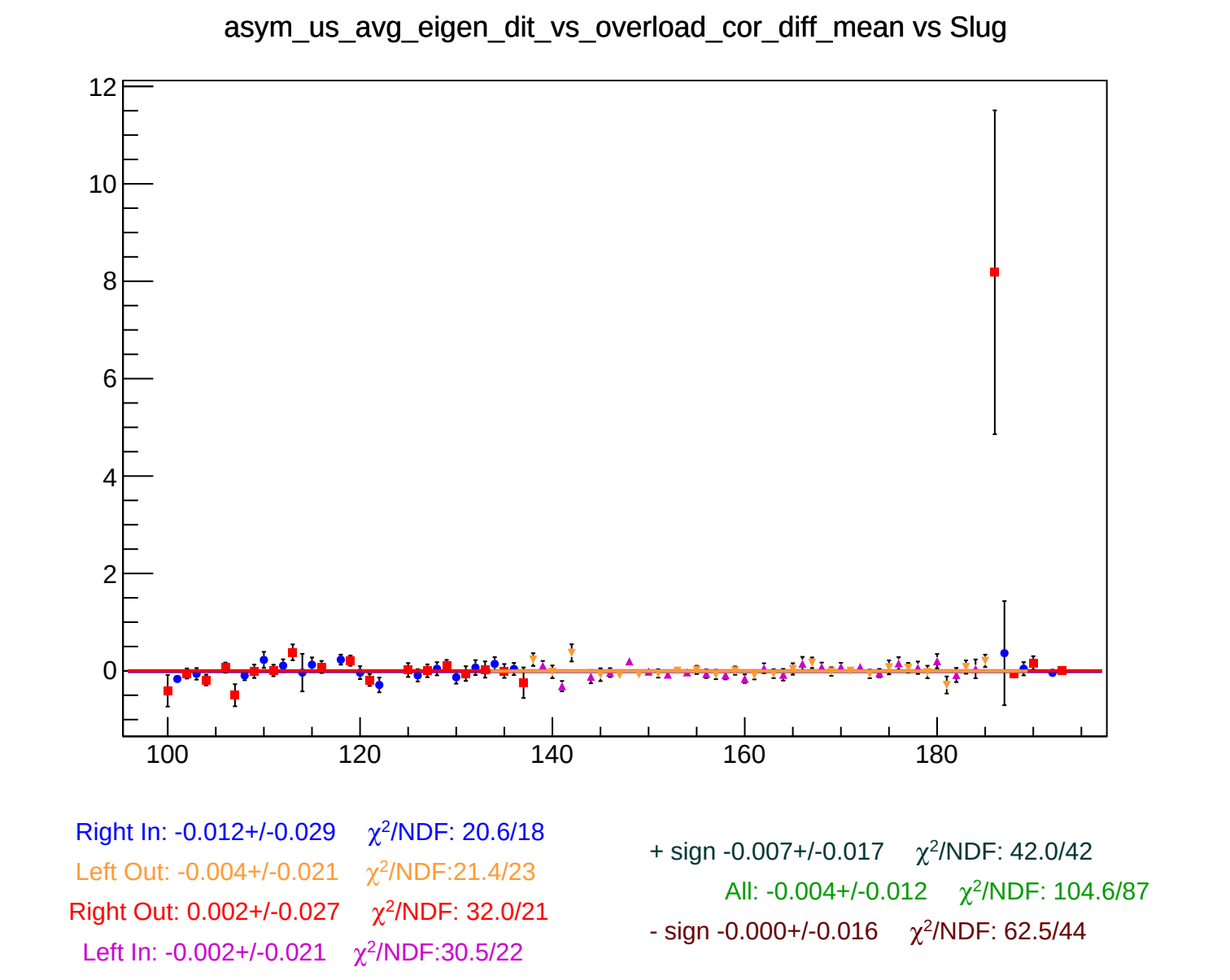
Right Out: 58.928+/-0.014 χ^2/NDF: 794852.3/21

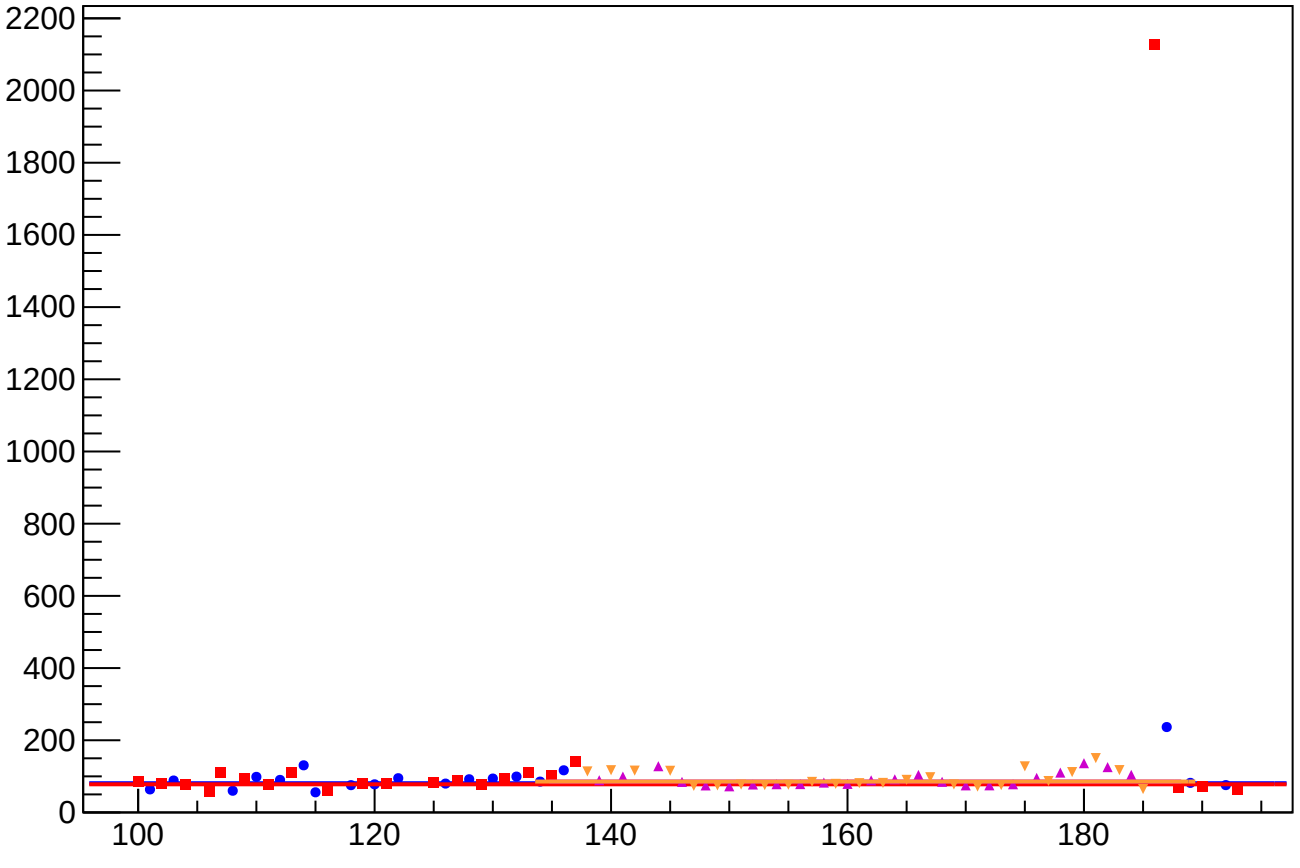
Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

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

All: 61.916+/-0.006 χ^2/NDF: 4986731.7/87

- sign 61.445+/-0.009 χ^2/NDF: 2275977.5/44


asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug
12
10
8
6
4
2
0
100
120
140
160
180
Right In: -0.012+/-0.029 χ²/NDF: 20.6/18
Left Out: -0.004+/-0.021 χ²/NDF:21.4/23
Right Out: 0.002+/-0.027 χ²/NDF: 32.0/21
Left In: -0.002+/-0.021 χ²/NDF:30.5/22
+ sign -0.007+/-0.017 χ²/NDF: 42.0/42
All: -0.004+/-0.012 χ²/NDF: 104.6/87
- sign -0.000+/-0.016 χ²/NDF: 62.5/44



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

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

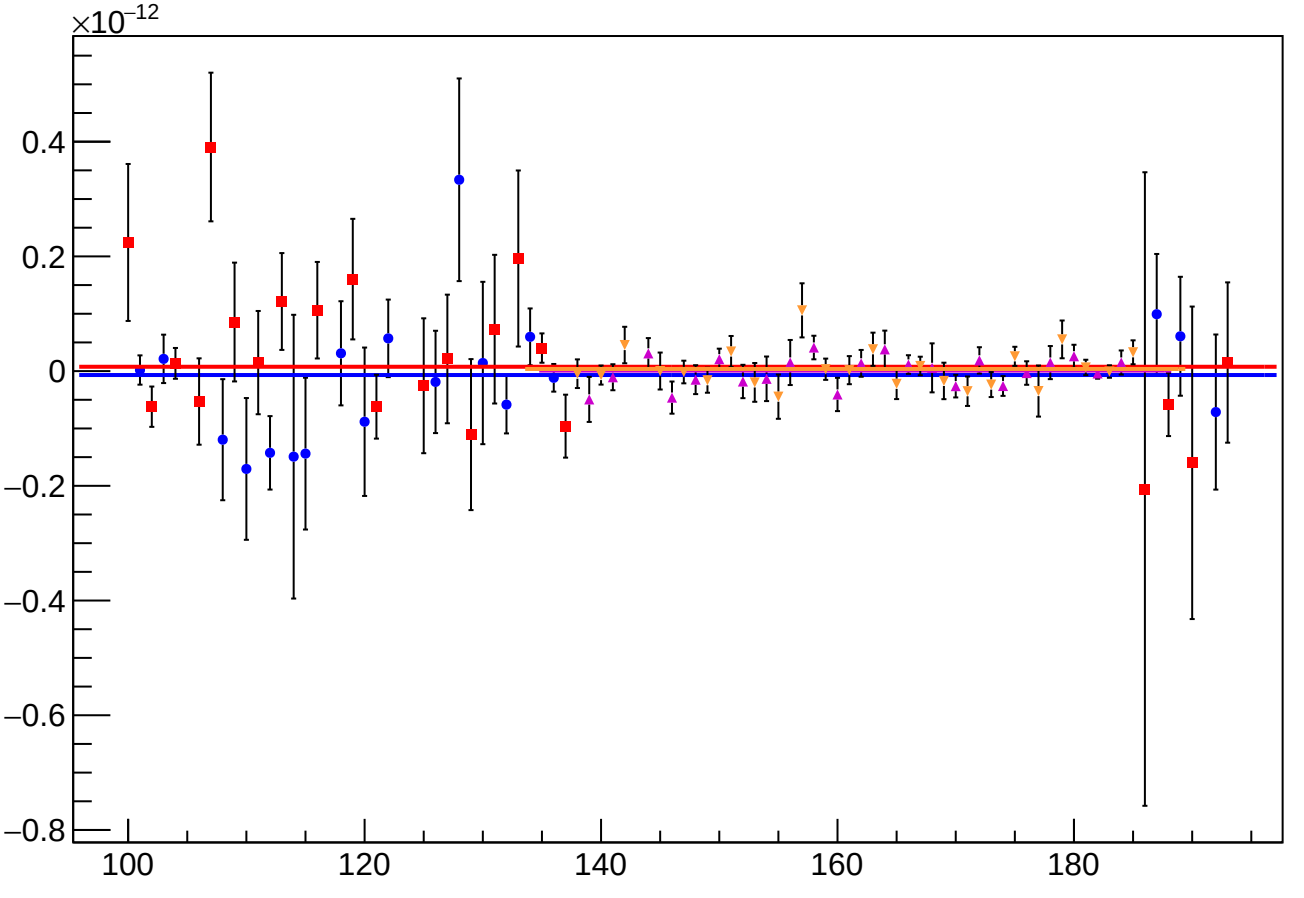
Right Out: 77.991+/-0.019 χ^2/NDF: 1399185.0/21

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

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

All: 83.404+/-0.008 χ^2/NDF: 4506530.7/87

- sign 82.782+/-0.012 χ^2/NDF: 2499207.1/44



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

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

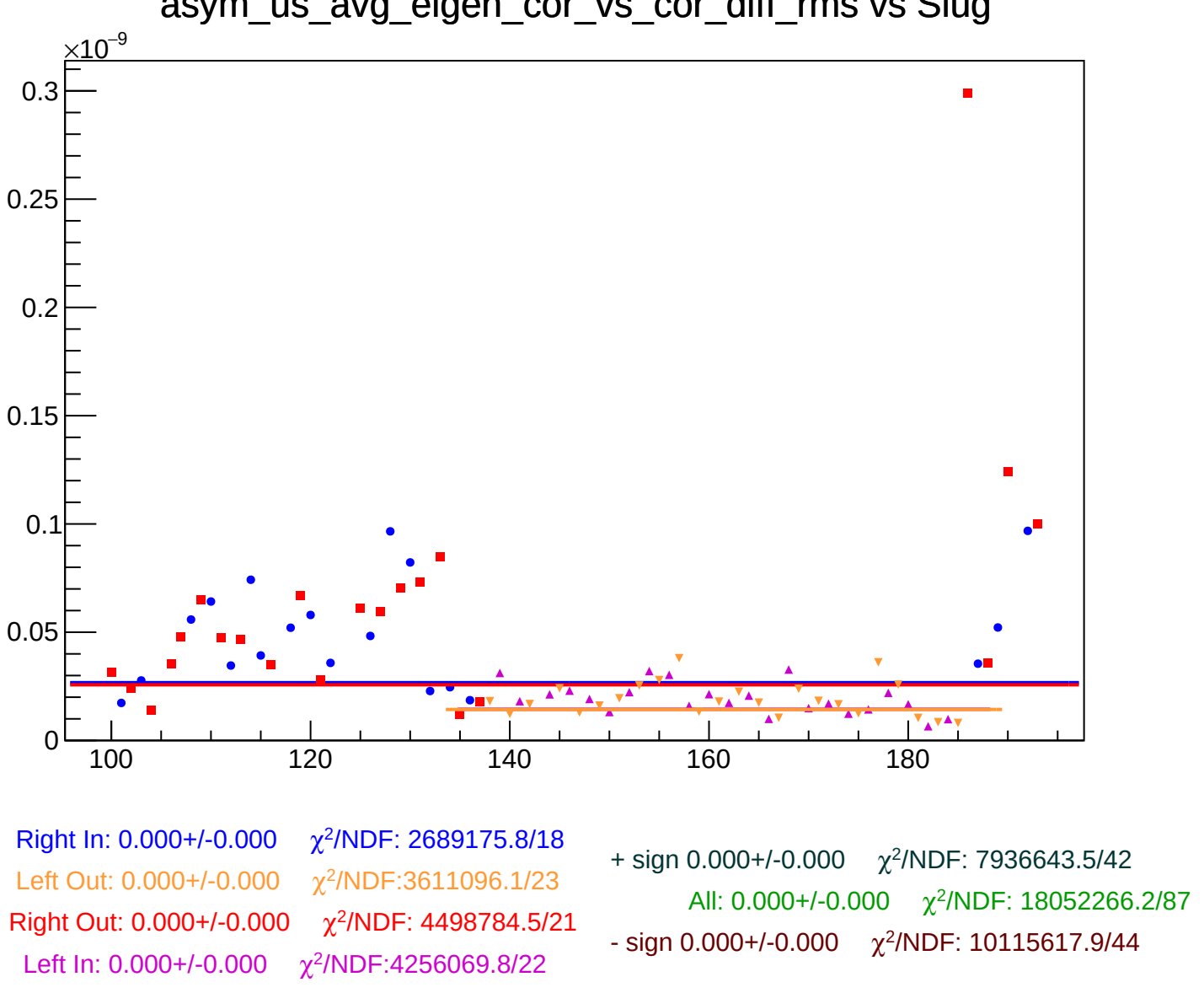
Right Out: 0.000+/-0.000 χ^2/NDF: 33.1/21

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

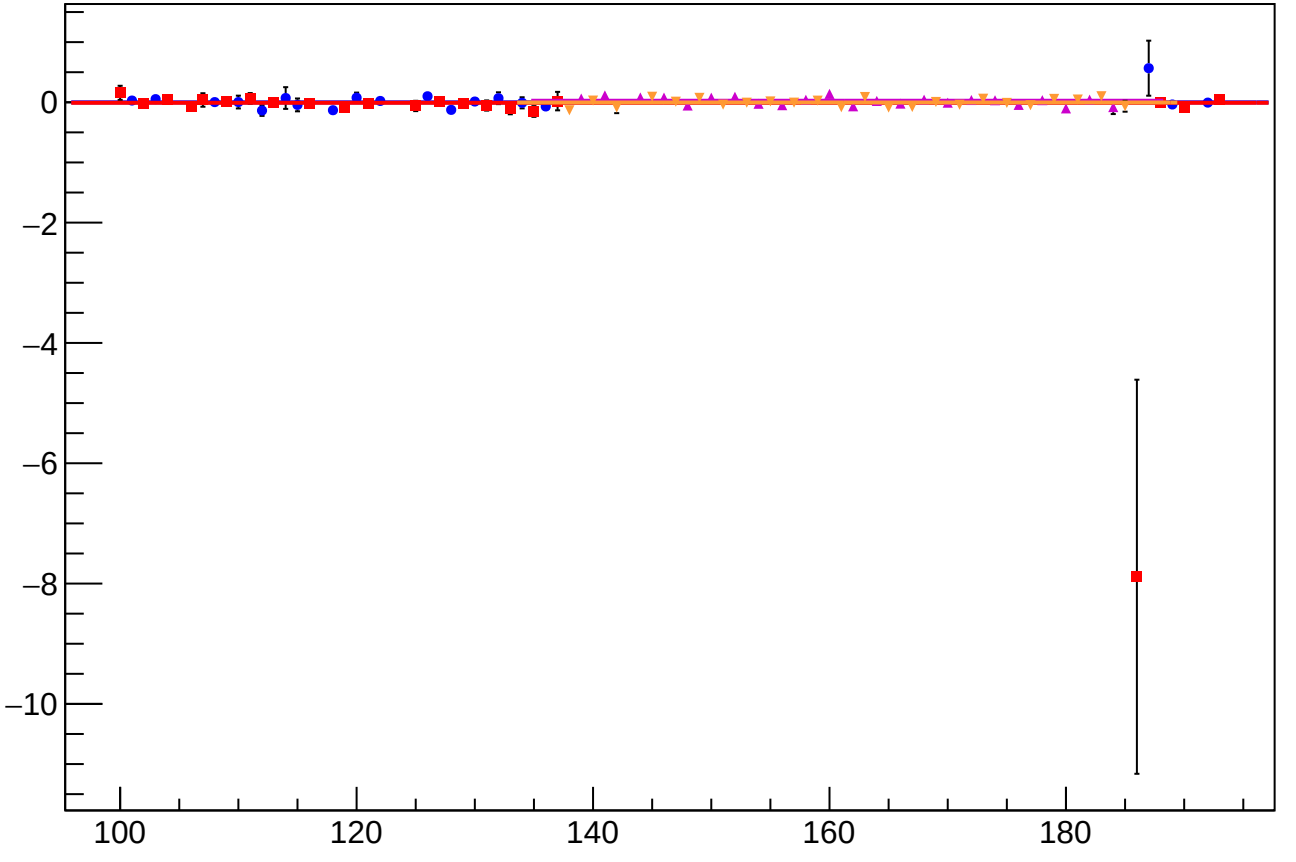
+ sign 0.000+/-0.000 χ^2/NDF: 44.7/42

All: 0.000+/-0.000 χ^2/NDF: 101.7/87

- sign 0.000+/-0.000 χ^2/NDF: 57.0/44


asym_us_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: 2689175.8/18
Left Out: 0.000+/-0.000 χ²/NDF:3611096.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 4498784.5/21
Left In: 0.000+/-0.000 χ²/NDF:4256069.8/22
+ sign 0.000+/-0.000 χ²/NDF: 7936643.5/42
All: 0.000+/-0.000 χ²/NDF: 18052266.2/87
- sign 0.000+/-0.000 χ²/NDF: 10115617.9/44

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



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: -0.008+/-0.012 χ^2/NDF: 25.0/21

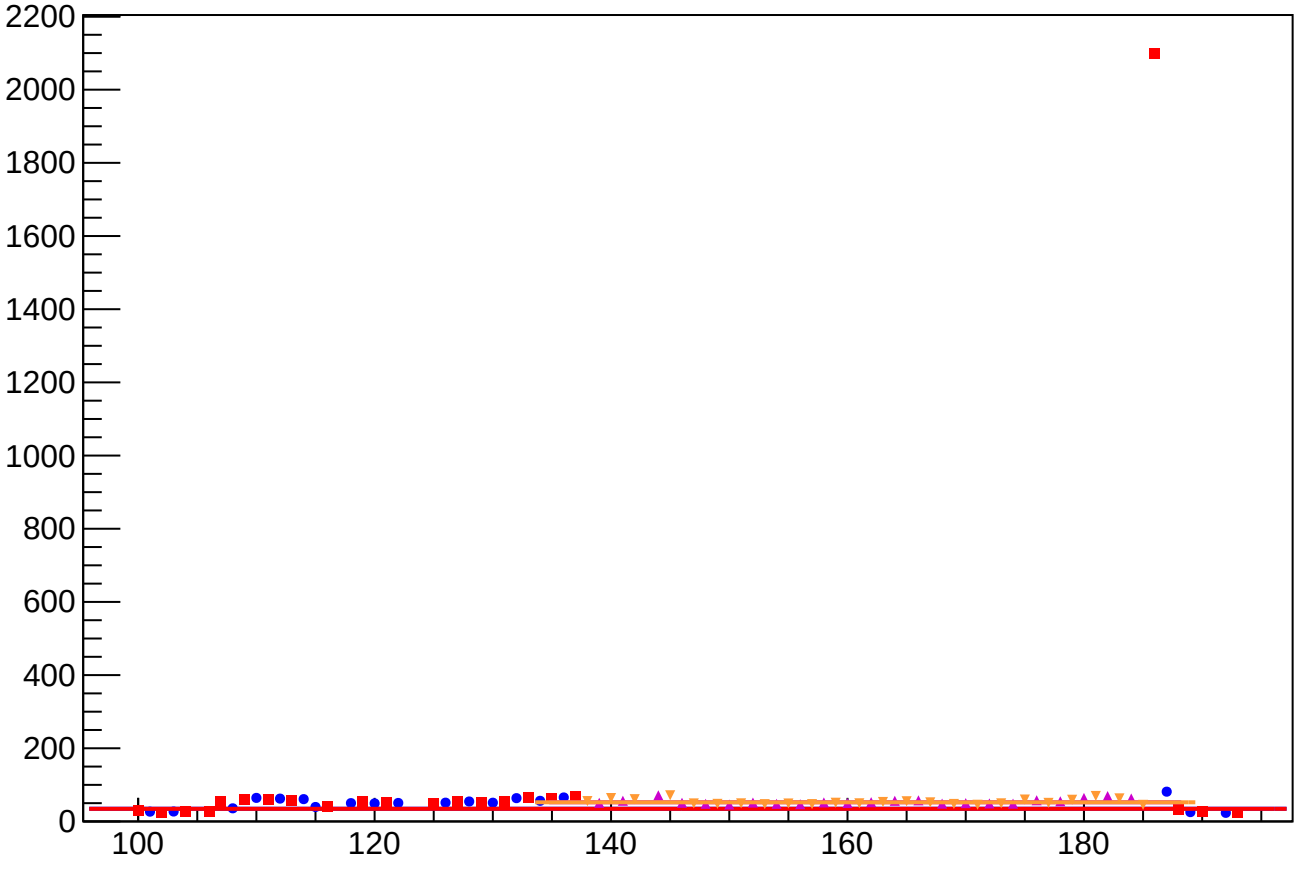
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

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

All: 0.003+/-0.006 χ^2/NDF: 94.9/87

- sign 0.009+/-0.009 χ^2/NDF: 52.9/44

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

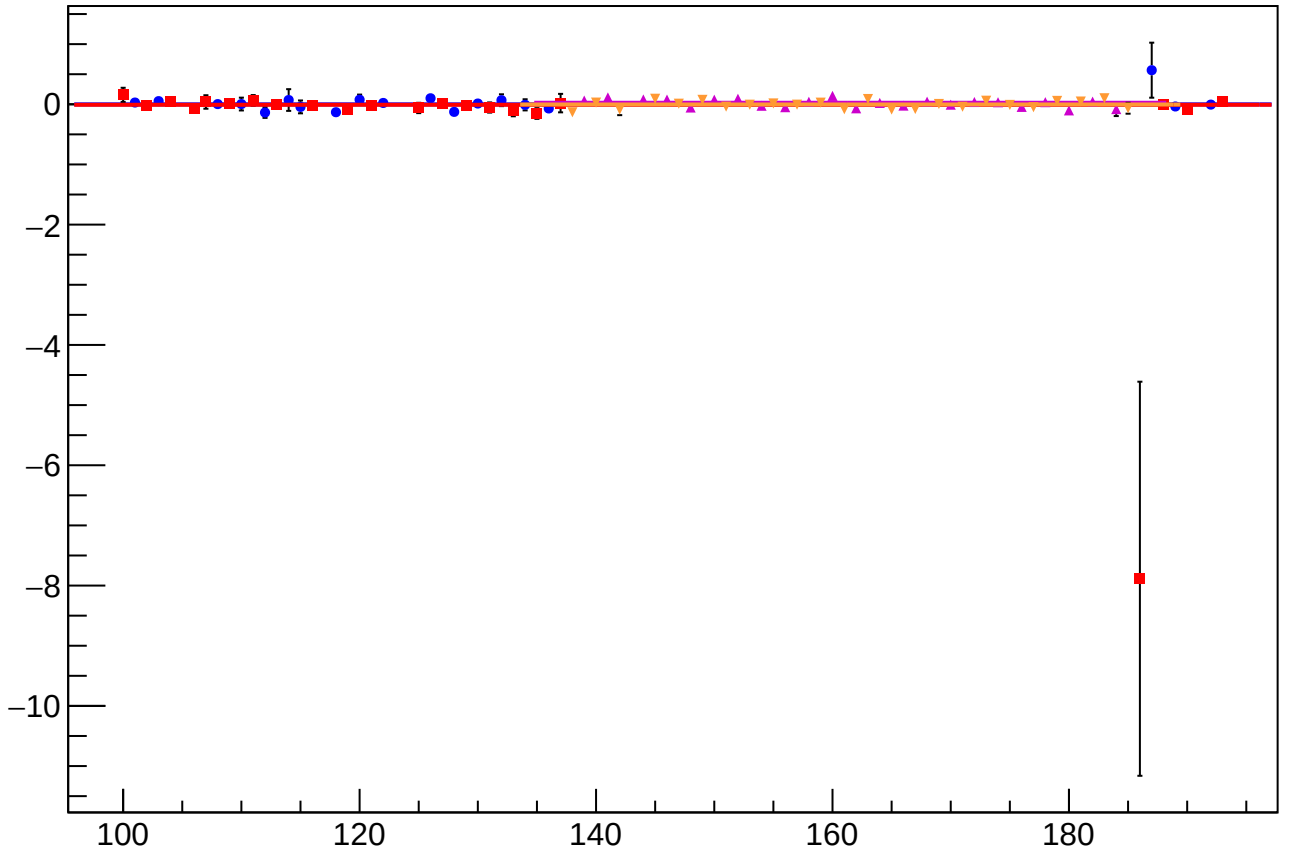
Right Out: 34.539+/-0.009 χ^2/NDF: 3157065.7/21

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

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

All: 43.699+/-0.004 χ^2/NDF: 10475327.0/87

- sign 43.457+/-0.006 χ^2/NDF: 5671947.0/44



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

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

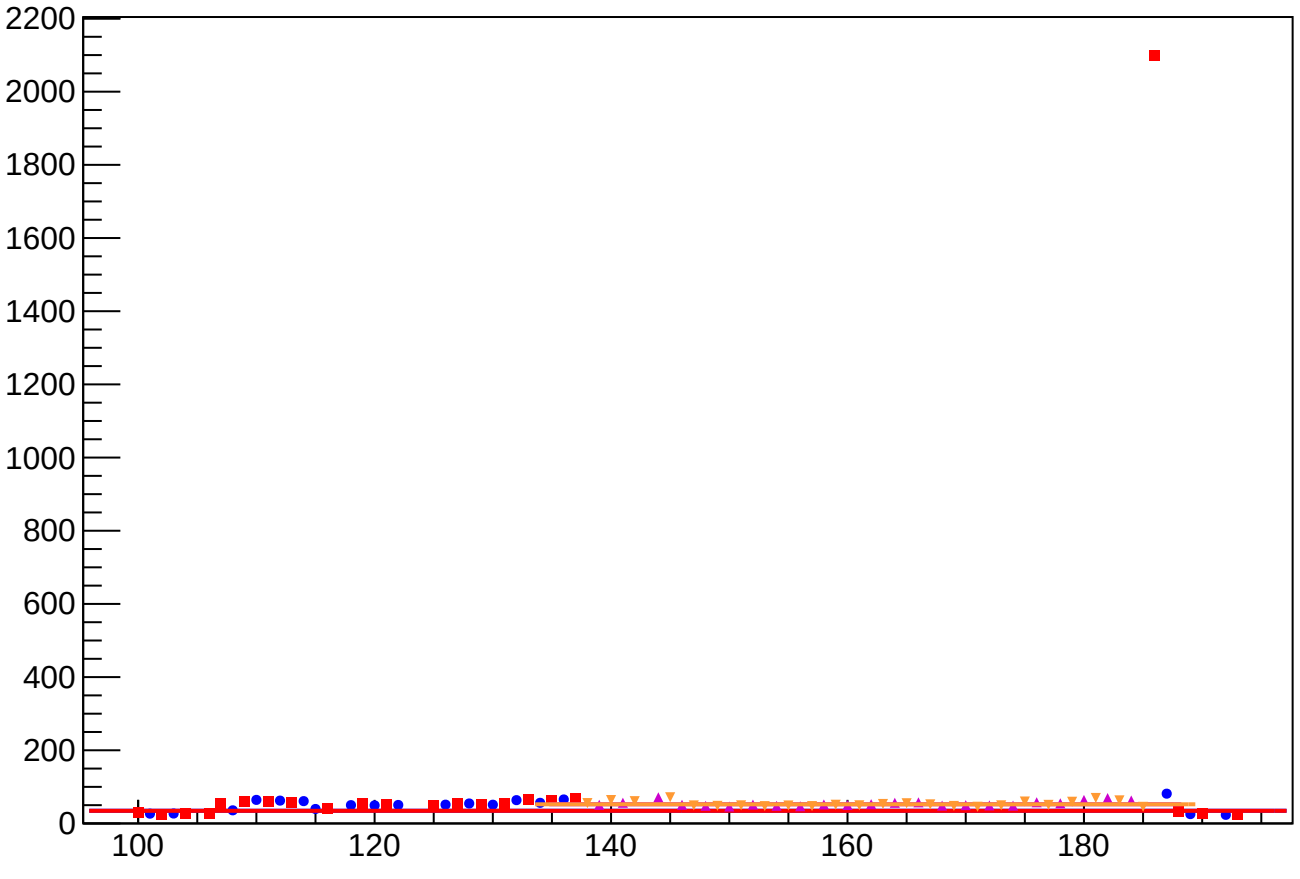
Right Out: -0.008+/-0.012 χ^2/NDF: 25.0/21

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

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

All: 0.003+/-0.006 χ^2/NDF: 94.9/87

- sign 0.009+/-0.009 χ^2/NDF: 52.9/44



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: 34.539+/-0.009 χ^2/NDF: 3157065.7/21

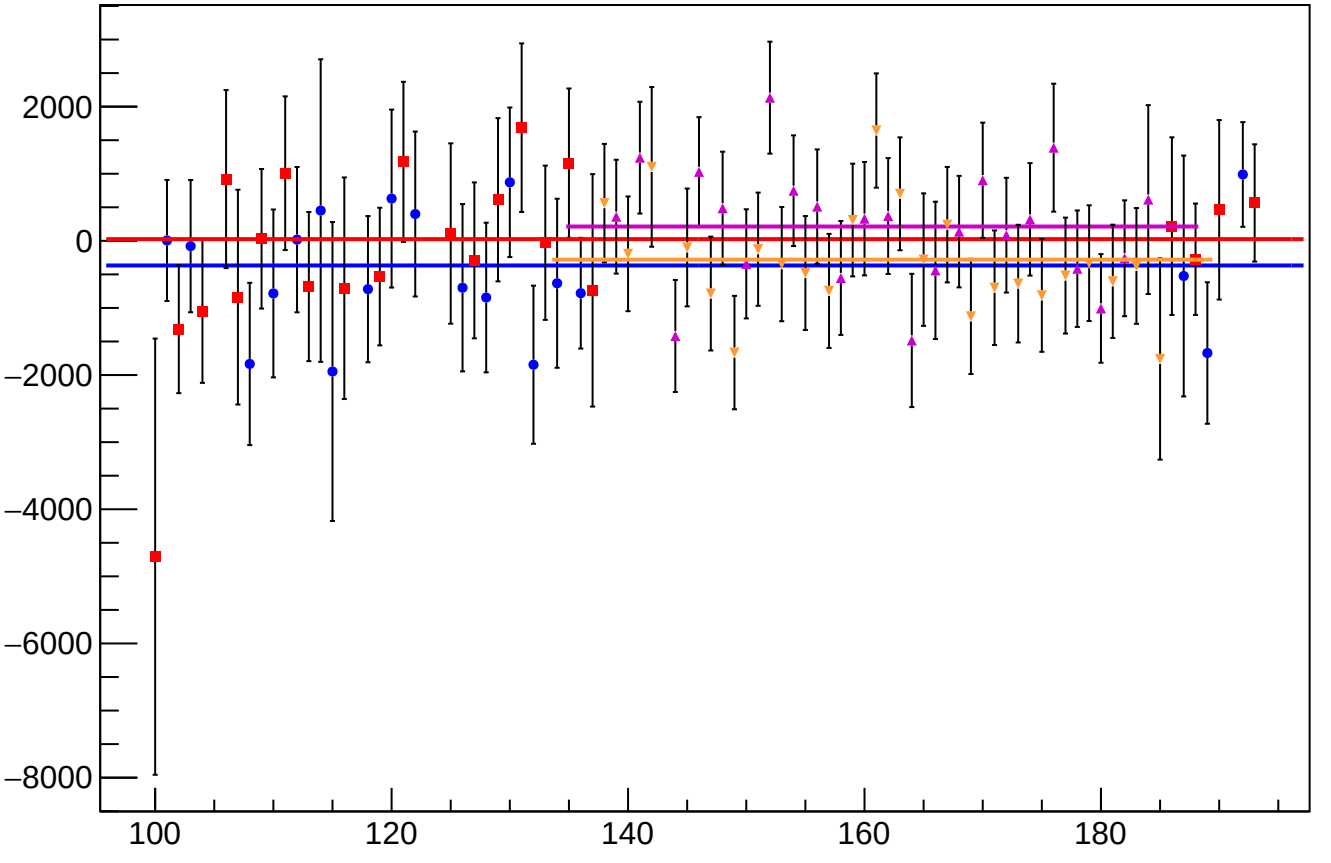
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

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

All: 43.699+/-0.004 χ^2/NDF: 10475327.0/87

- sign 43.457+/-0.006 χ^2/NDF: 5671947.0/44

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: 25.791+/-250.463 χ^2/NDF: 12.4/21

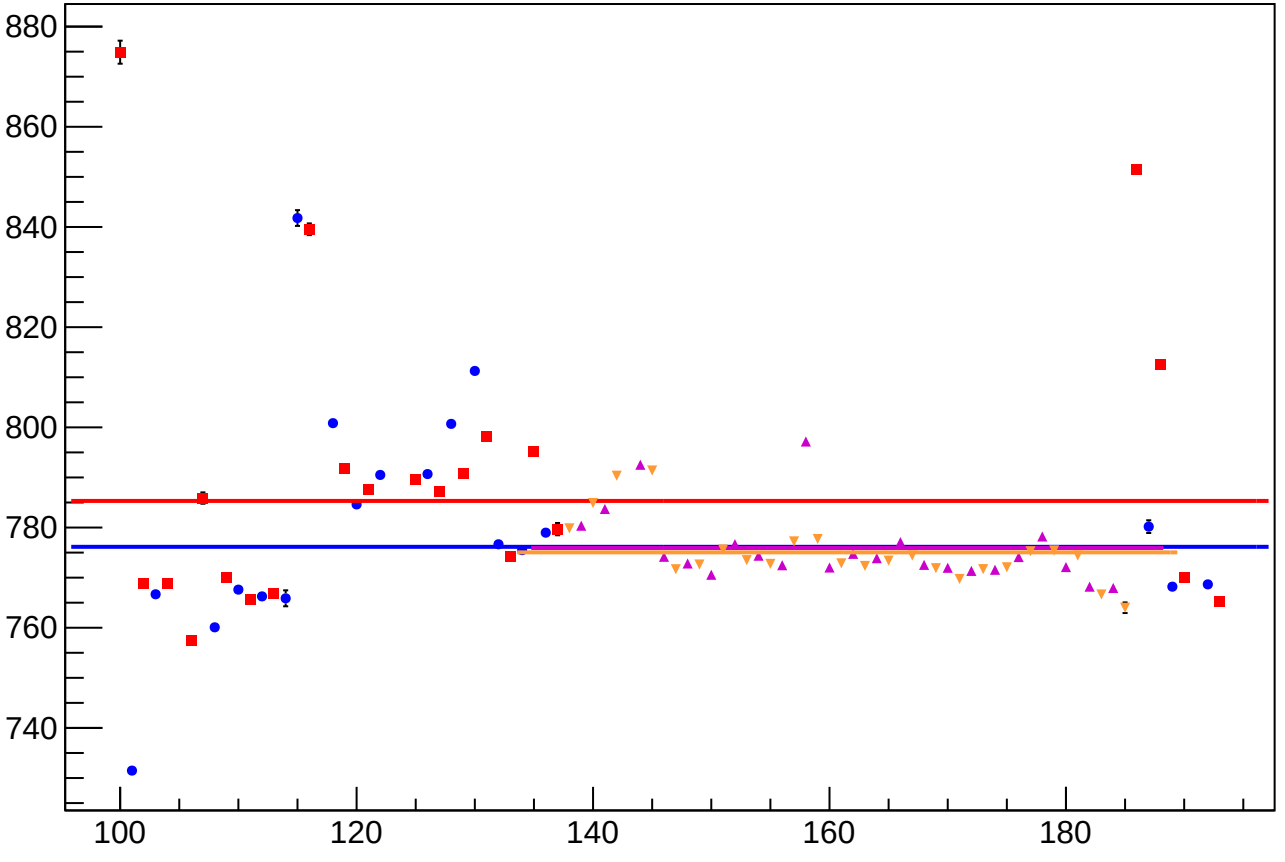
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

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

All: -78.050+/-104.175 χ^2/NDF: 67.6/87

- sign 148.974+/-146.792 χ^2/NDF: 35.1/44

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: 785.316+/-0.177 χ^2/NDF: 16410.9/21

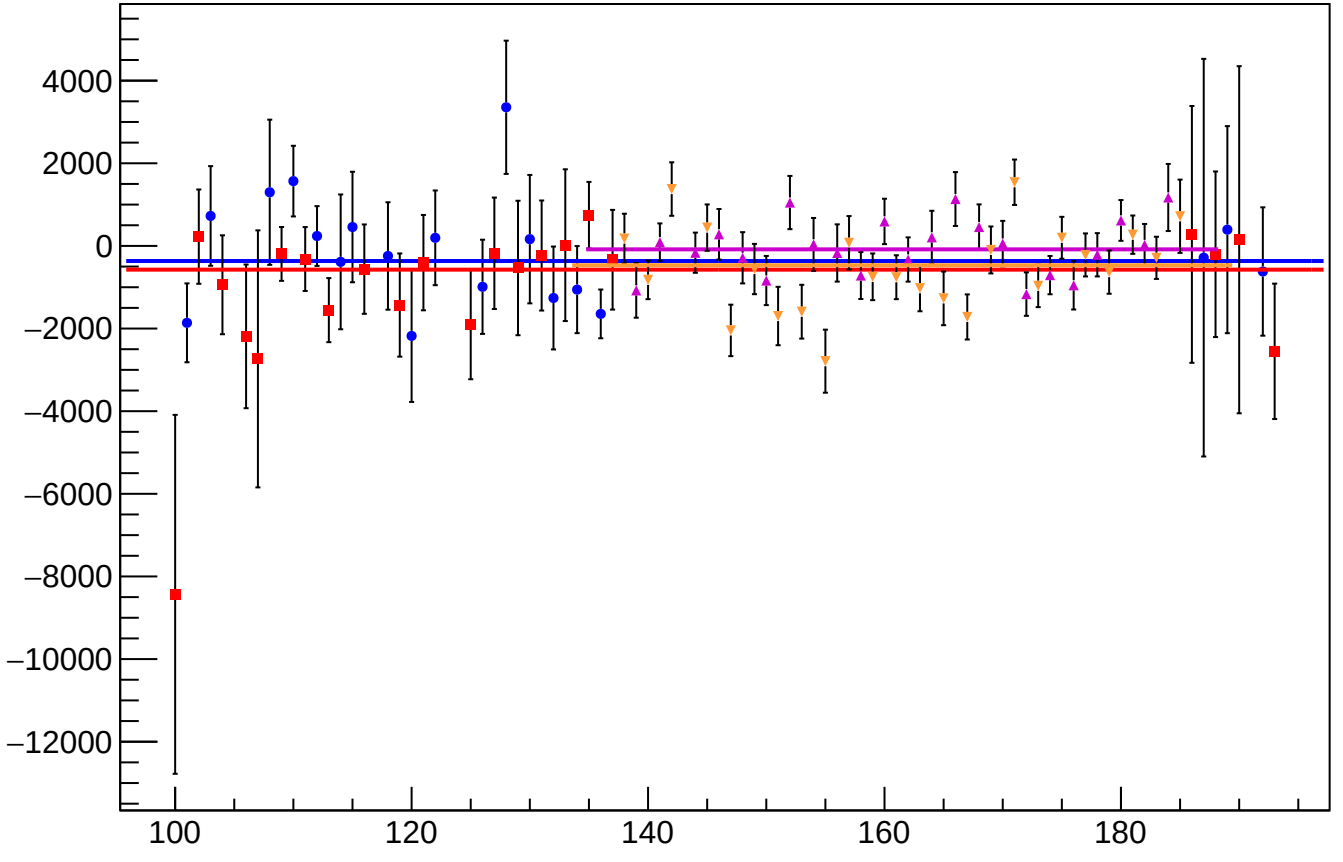
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

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

All: 777.292+/-0.074 χ^2/NDF: 36271.1/87

- sign 779.149+/-0.104 χ^2/NDF: 21231.1/44

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: -574.440+/-256.080 χ^2/NDF: 13.3/21

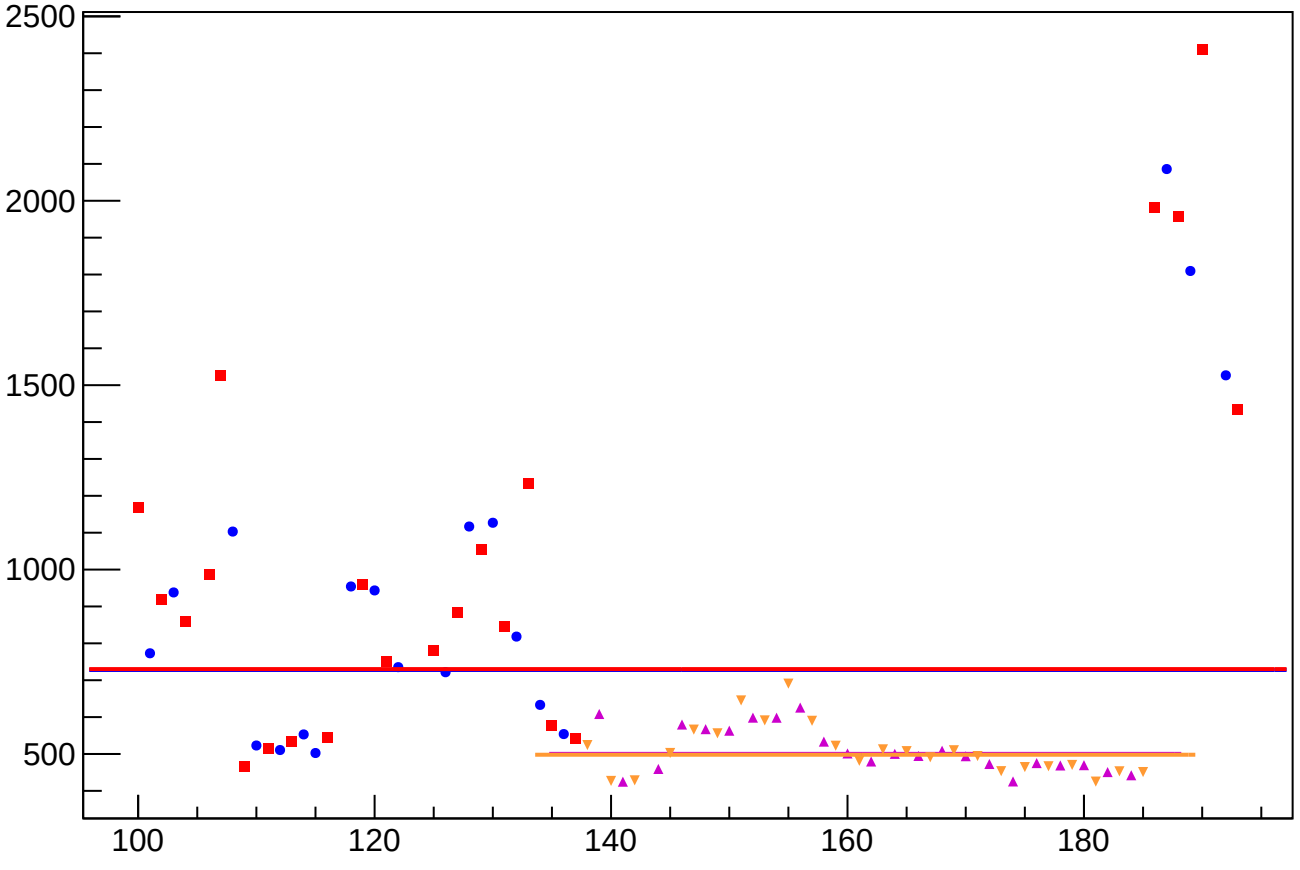
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

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

All: -310.234+/-75.509 χ^2/NDF: 135.9/87

- sign -168.968+/-107.026 χ^2/NDF: 44.4/44

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: 730.192+/-0.181 χ^2/NDF: 3163465.7/21

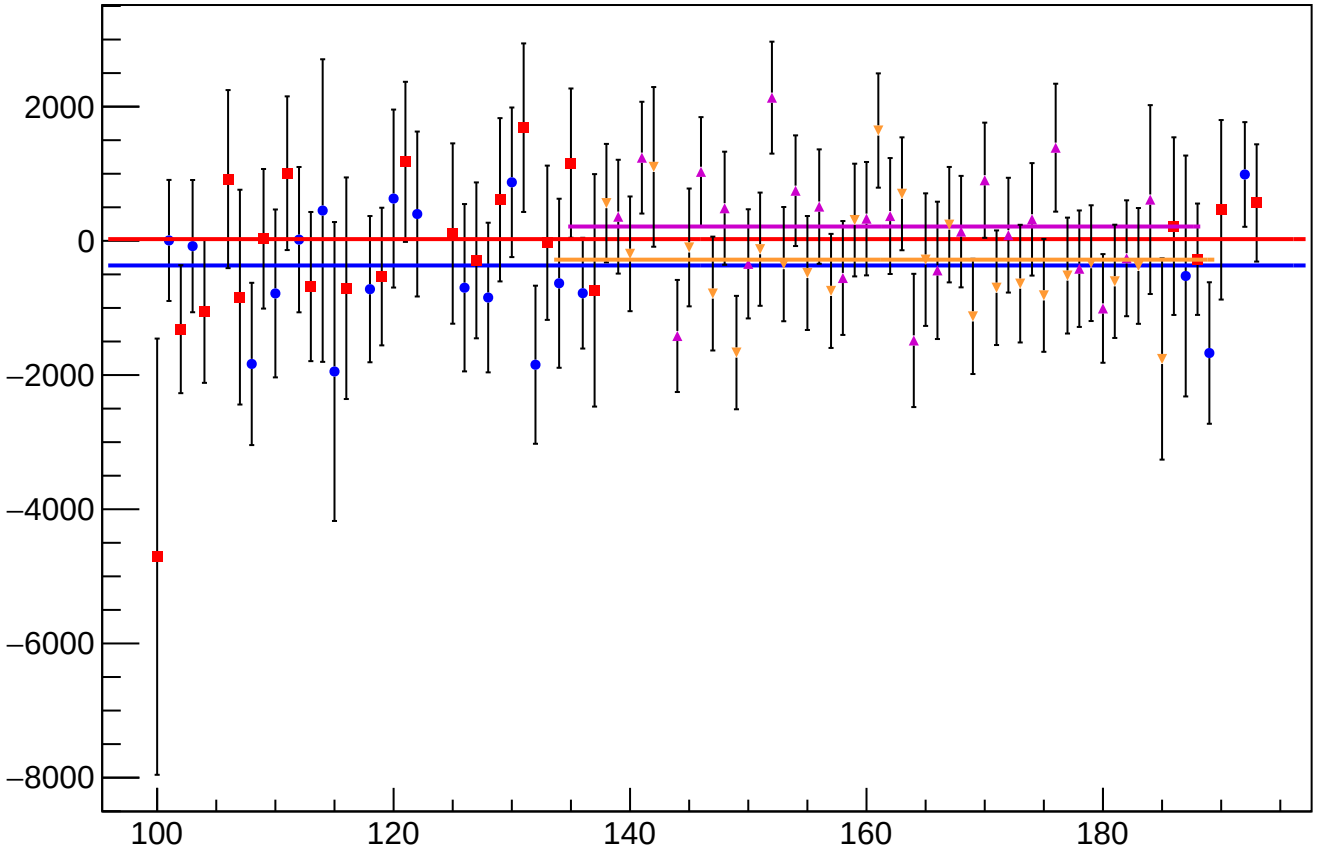
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

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

All: 538.342+/-0.053 χ^2/NDF: 8929160.5/87

- sign 540.461+/-0.076 χ^2/NDF: 4971086.9/44

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: 25.791+/-250.463 χ^2/NDF: 12.4/21

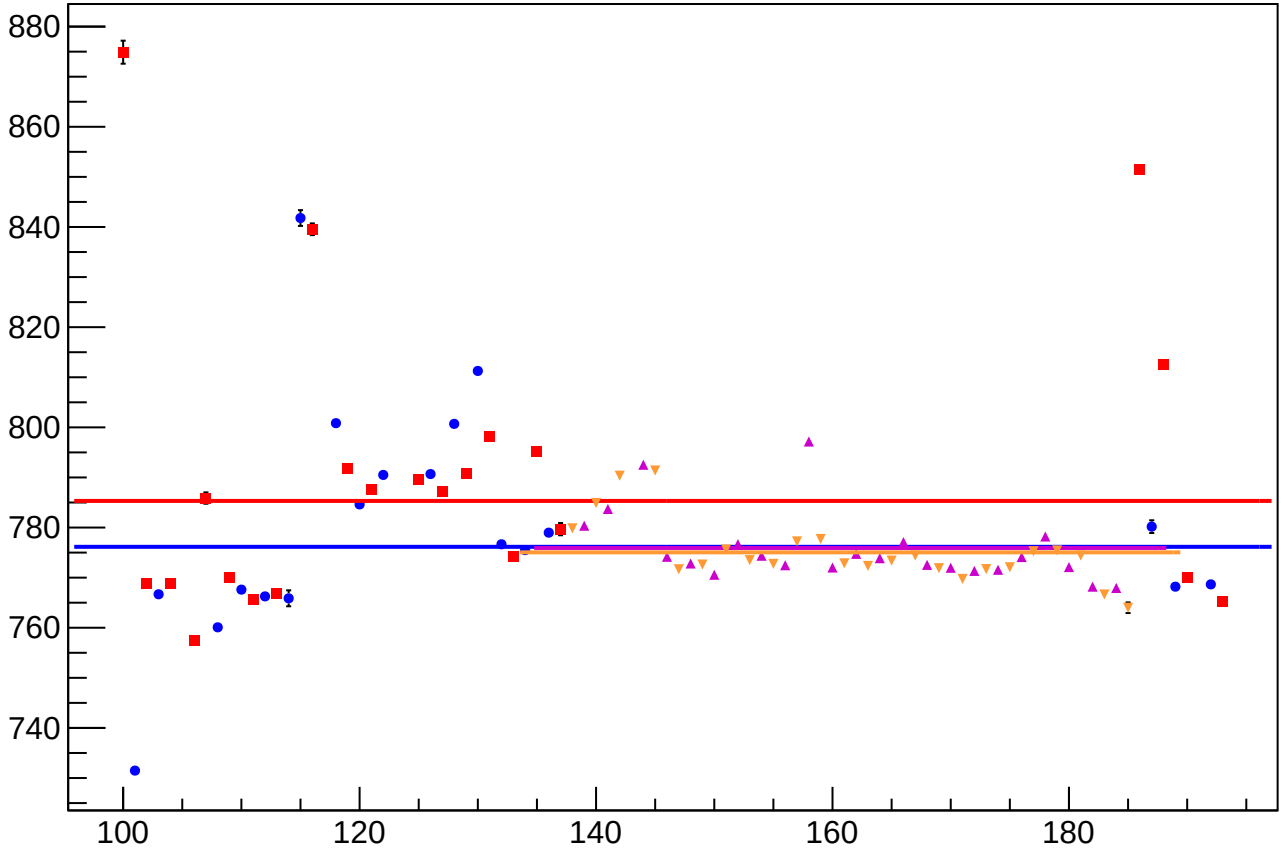
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

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

All: -78.050+/-104.175 χ^2/NDF: 67.6/87

- sign 148.974+/-146.792 χ^2/NDF: 35.1/44

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: 785.316+/-0.177 χ^2/NDF: 16410.9/21

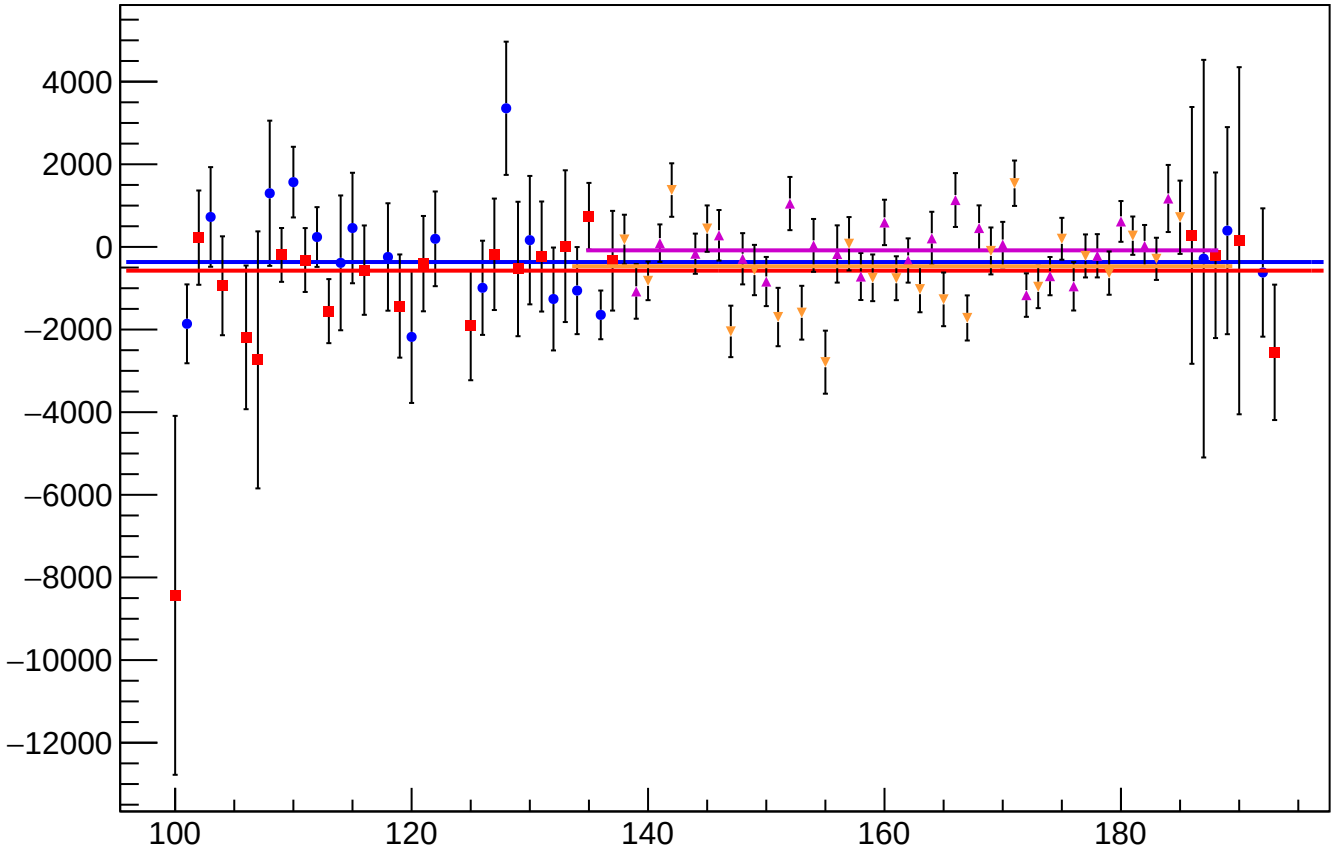
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

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

All: 777.292+/-0.074 χ^2/NDF: 36271.1/87

- sign 779.149+/-0.104 χ^2/NDF: 21231.1/44

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: -574.440+/-256.080 χ^2/NDF: 13.3/21

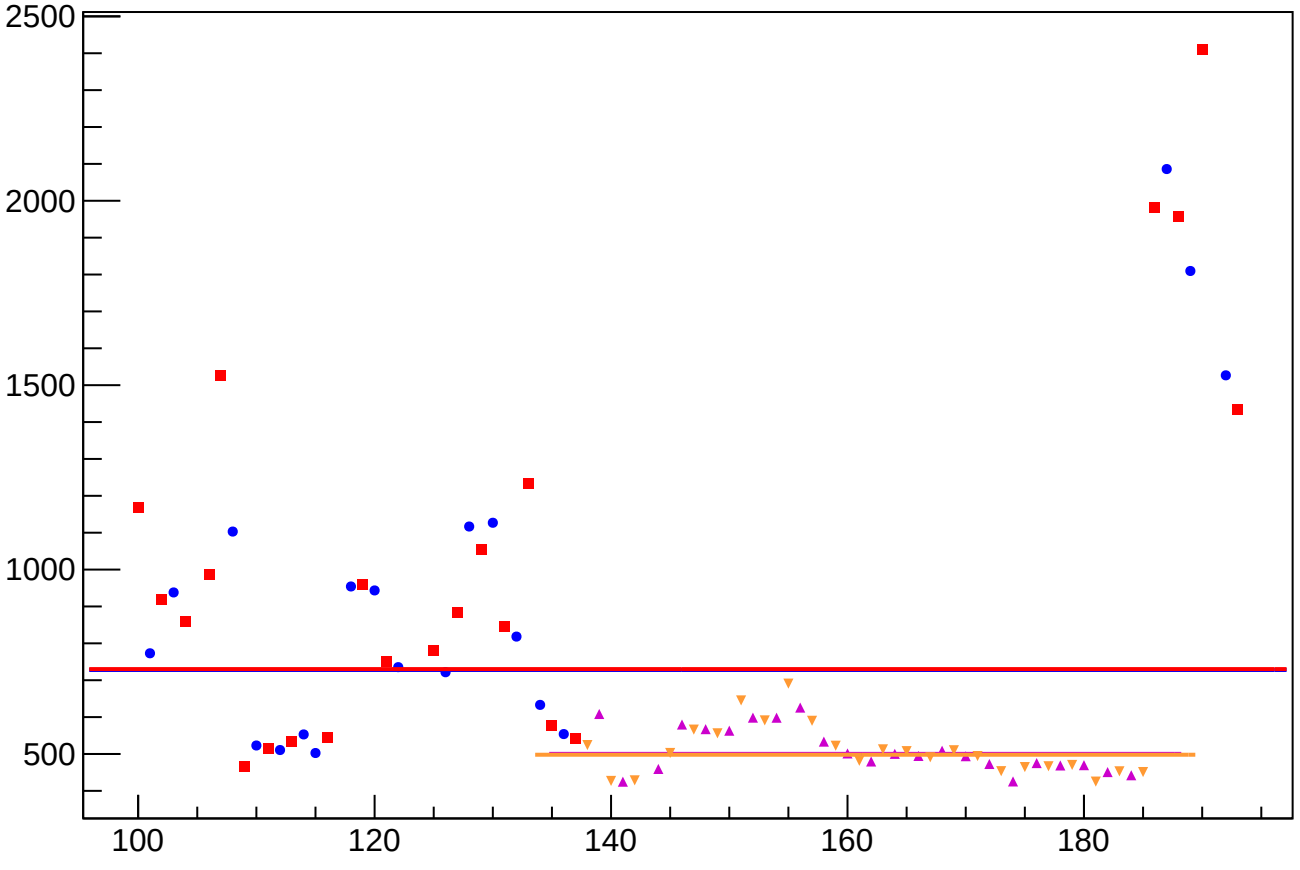
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

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

All: -310.234+/-75.509 χ^2/NDF: 135.9/87

- sign -168.968+/-107.026 χ^2/NDF: 44.4/44

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: 730.192+/-0.181 χ^2/NDF: 3163465.7/21

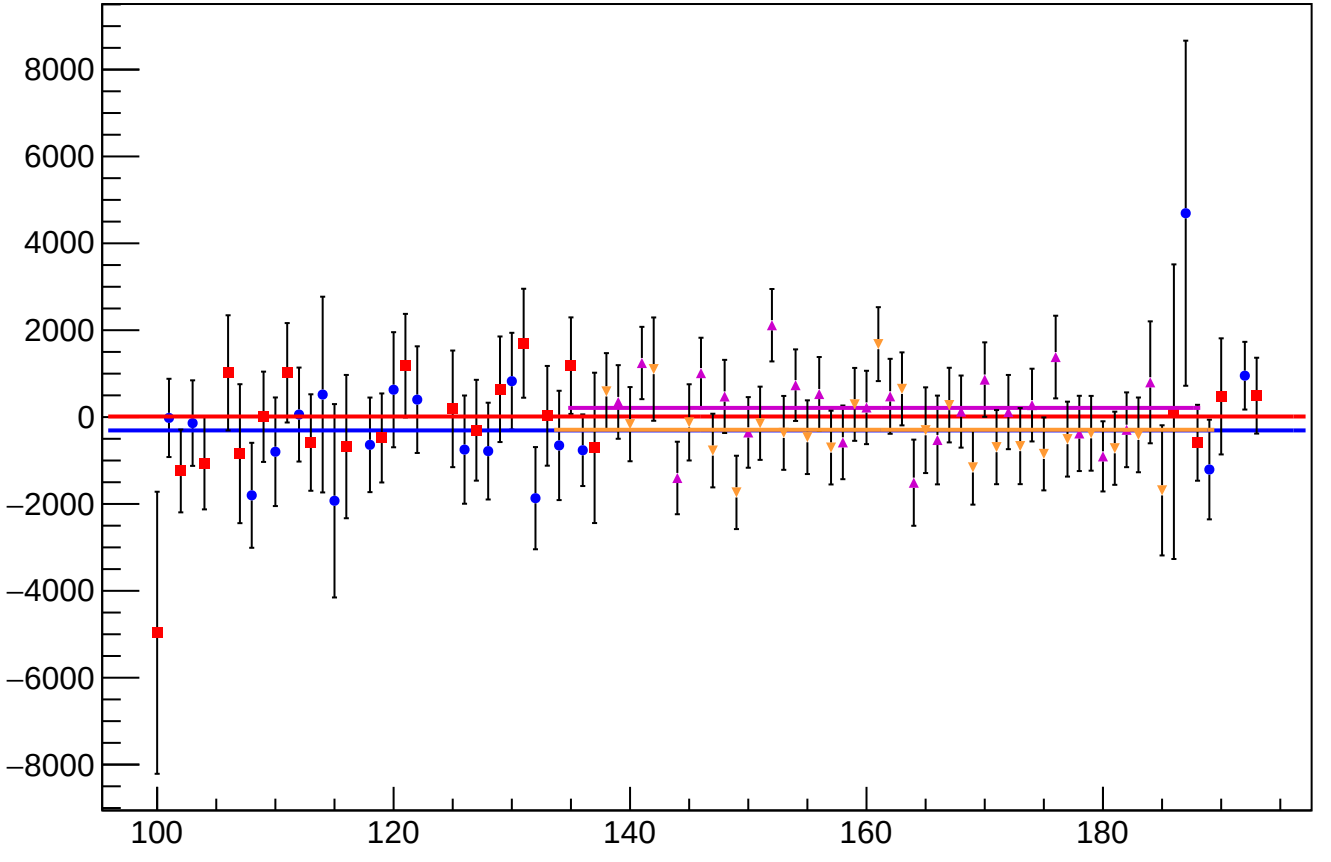
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

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

All: 538.342+/-0.053 χ^2/NDF: 8929160.5/87

\- sign 540.461+/-0.076 χ^2/NDF: 4971086.9/44

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: 13.384+/-255.320 χ^2/NDF: 12.7/21

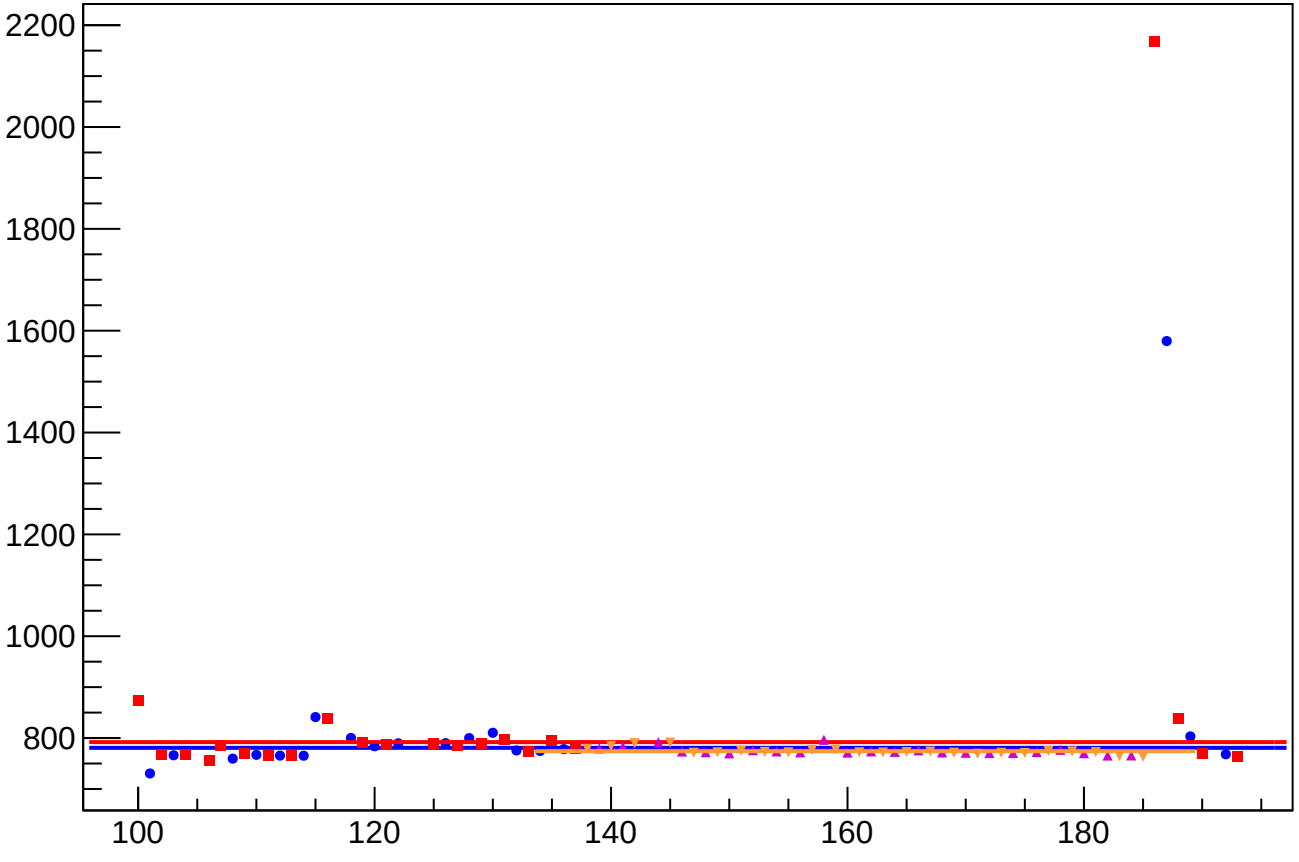
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

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

All: -74.834+/-104.640 χ^2/NDF: 68.2/87

- sign 145.086+/-147.633 χ^2/NDF: 35.3/44

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

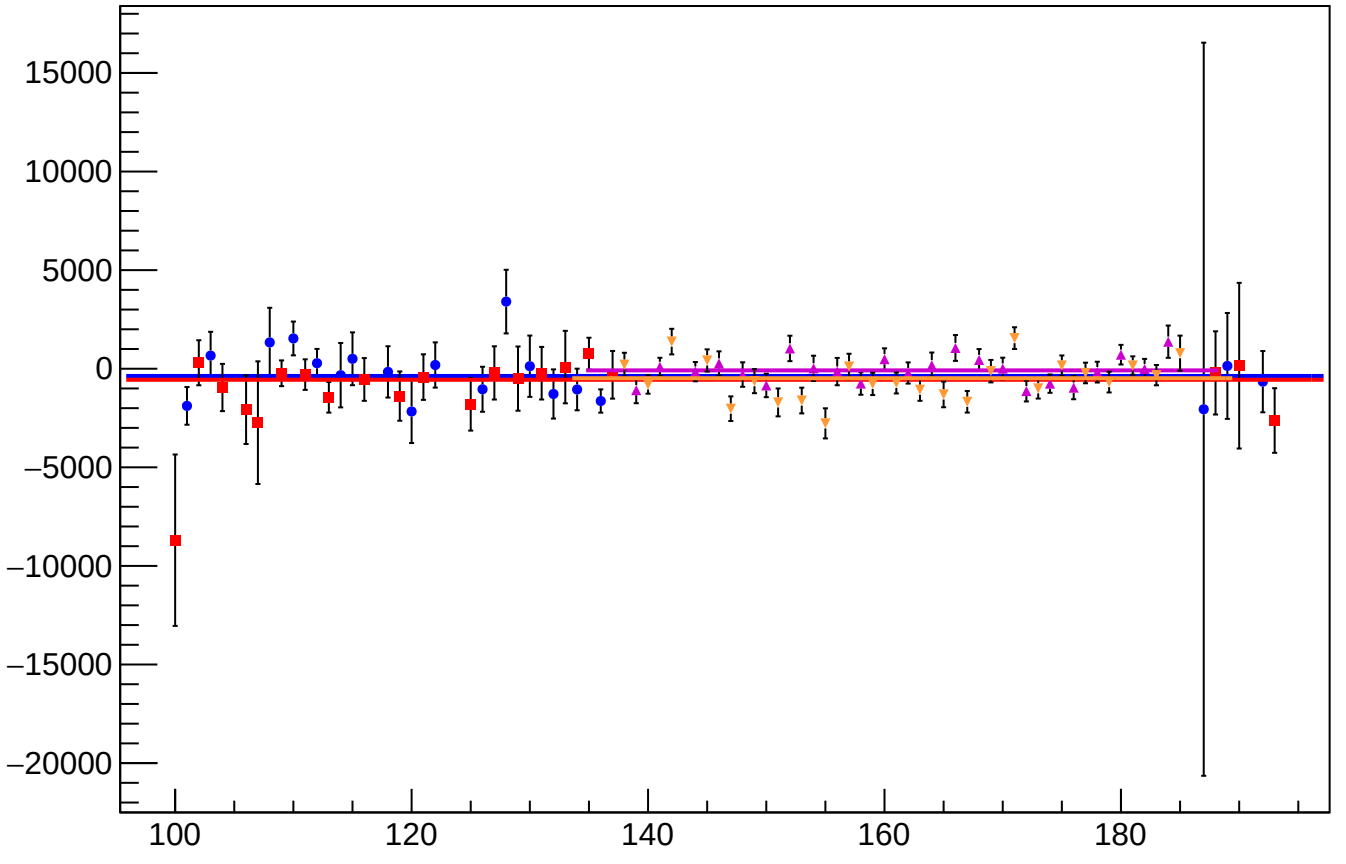
Right Out: 792.001+/-0.181 χ^2/NDF: 347525.0/21

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

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

All: 778.481+/-0.074 χ^2/NDF: 455088.0/87

- sign 780.677+/-0.104 χ^2/NDF: 356583.1/44



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: -560.374+/-257.532 χ^2/NDF: 13.1/20

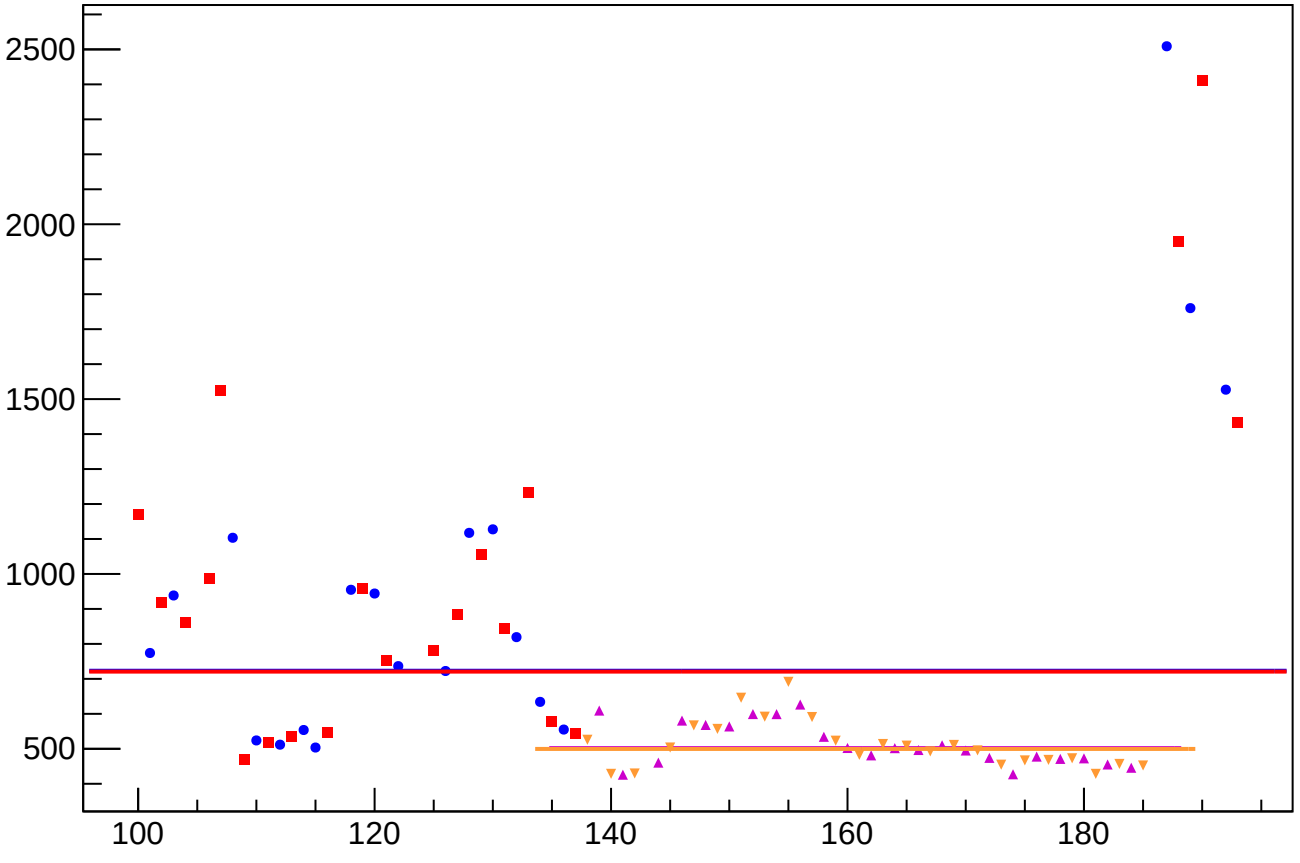
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

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

All: -314.945+/-75.772 χ^2/NDF: 135.1/86

- sign -166.219+/-107.421 χ^2/NDF: 44.1/43

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: 720.788+/-0.182 χ^2/NDF: 2747256.4/20

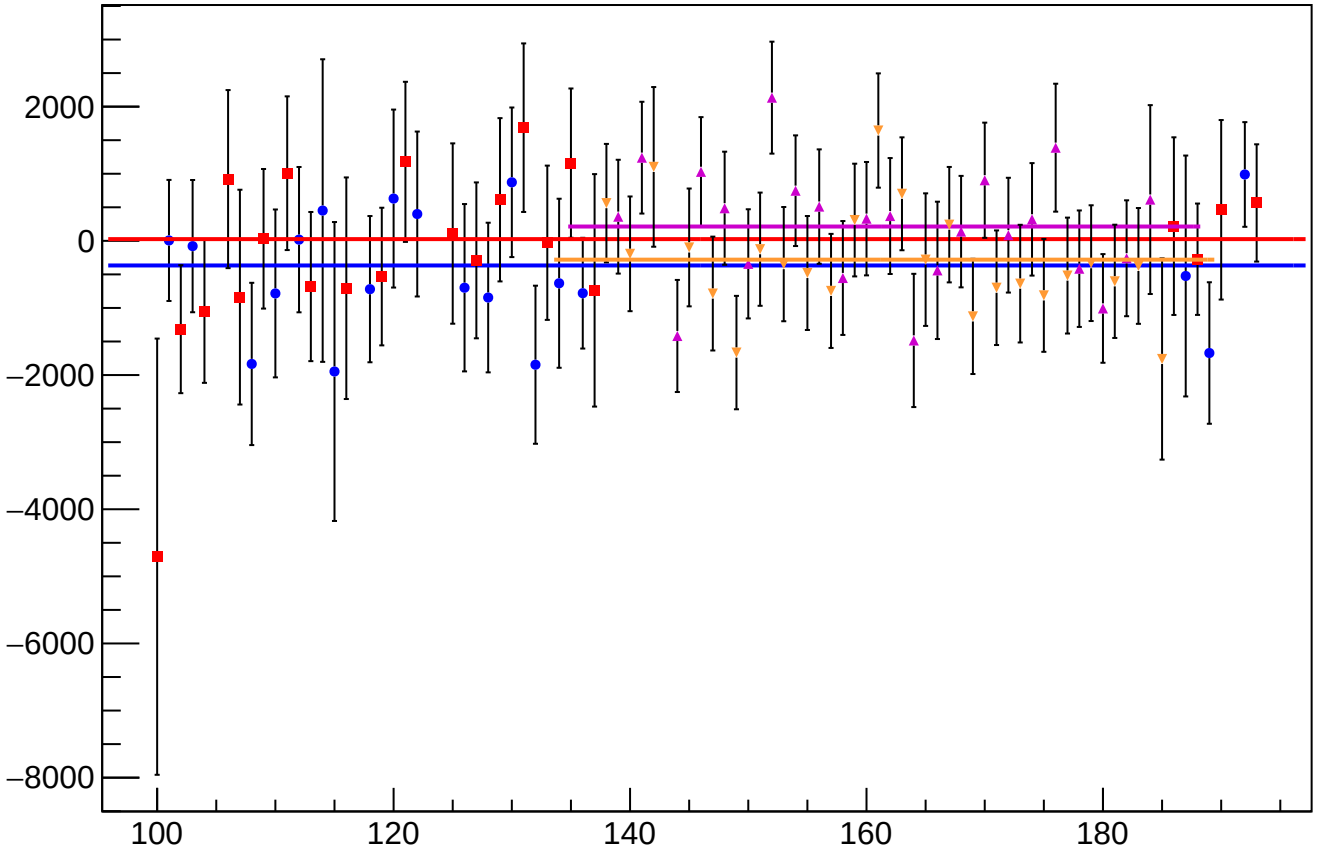
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

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

All: 538.486+/-0.054 χ^2/NDF: 8051404.0/86

- sign 540.088+/-0.076 χ^2/NDF: 4406762.0/43

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: 25.791+/-250.463 χ^2/NDF: 12.4/21

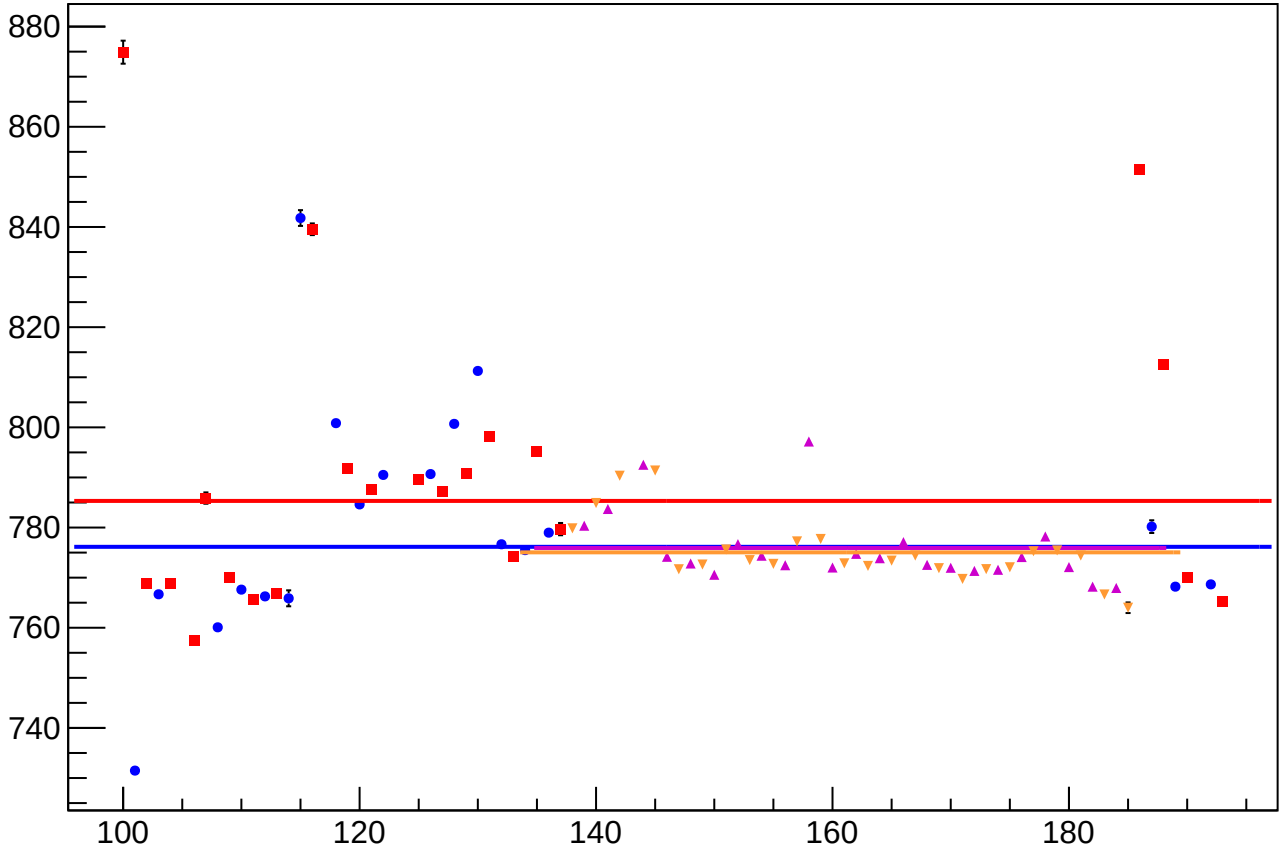
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

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

All: -78.050+/-104.175 χ^2/NDF: 67.6/87

- sign 148.974+/-146.792 χ^2/NDF: 35.1/44

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

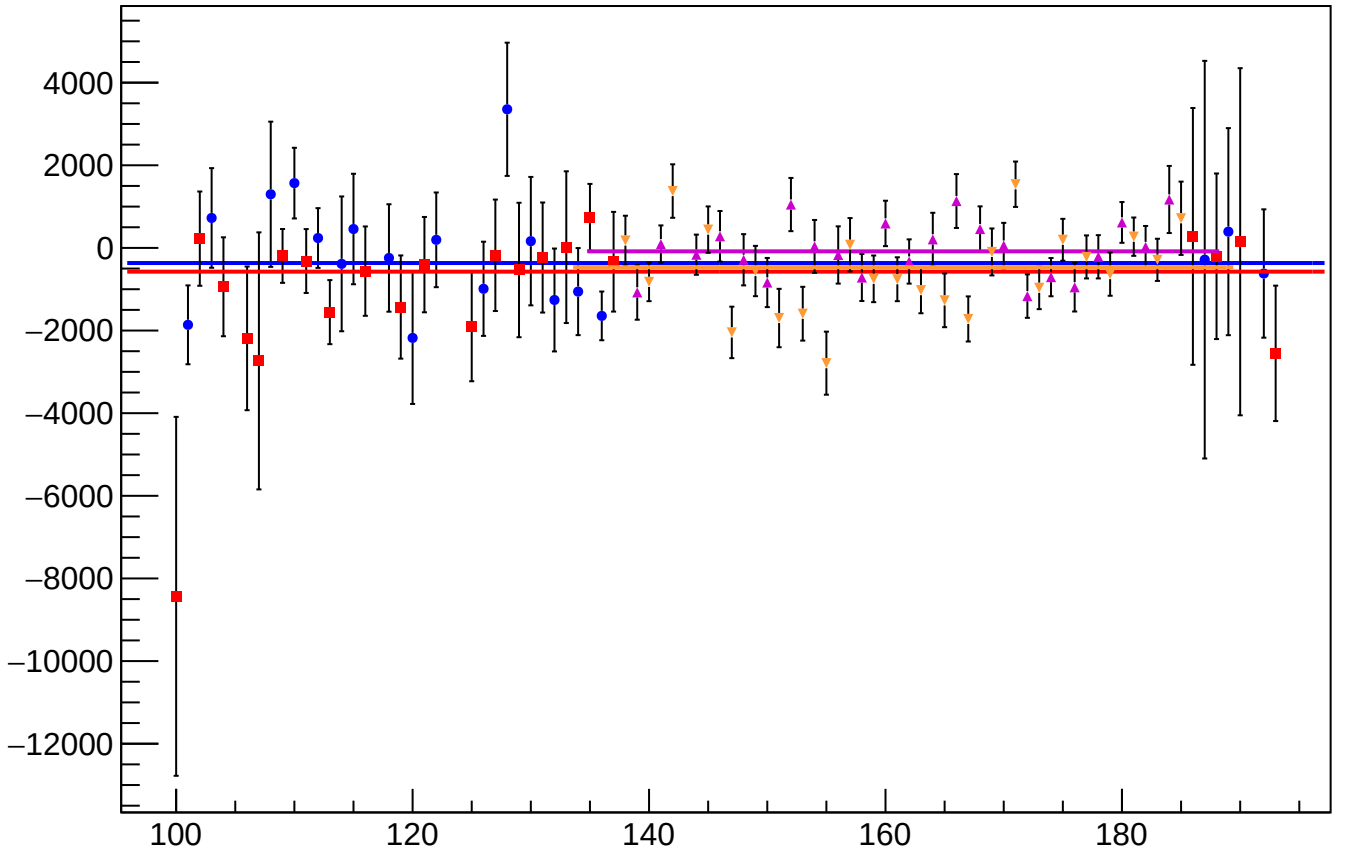
Right Out: 785.316+/-0.177 χ^2/NDF: 16410.9/21

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

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

All: 777.292+/-0.074 χ^2/NDF: 36271.1/87

- sign 779.149+/-0.104 χ^2/NDF: 21231.1/44



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: -574.440+/-256.080 χ^2/NDF: 13.3/21

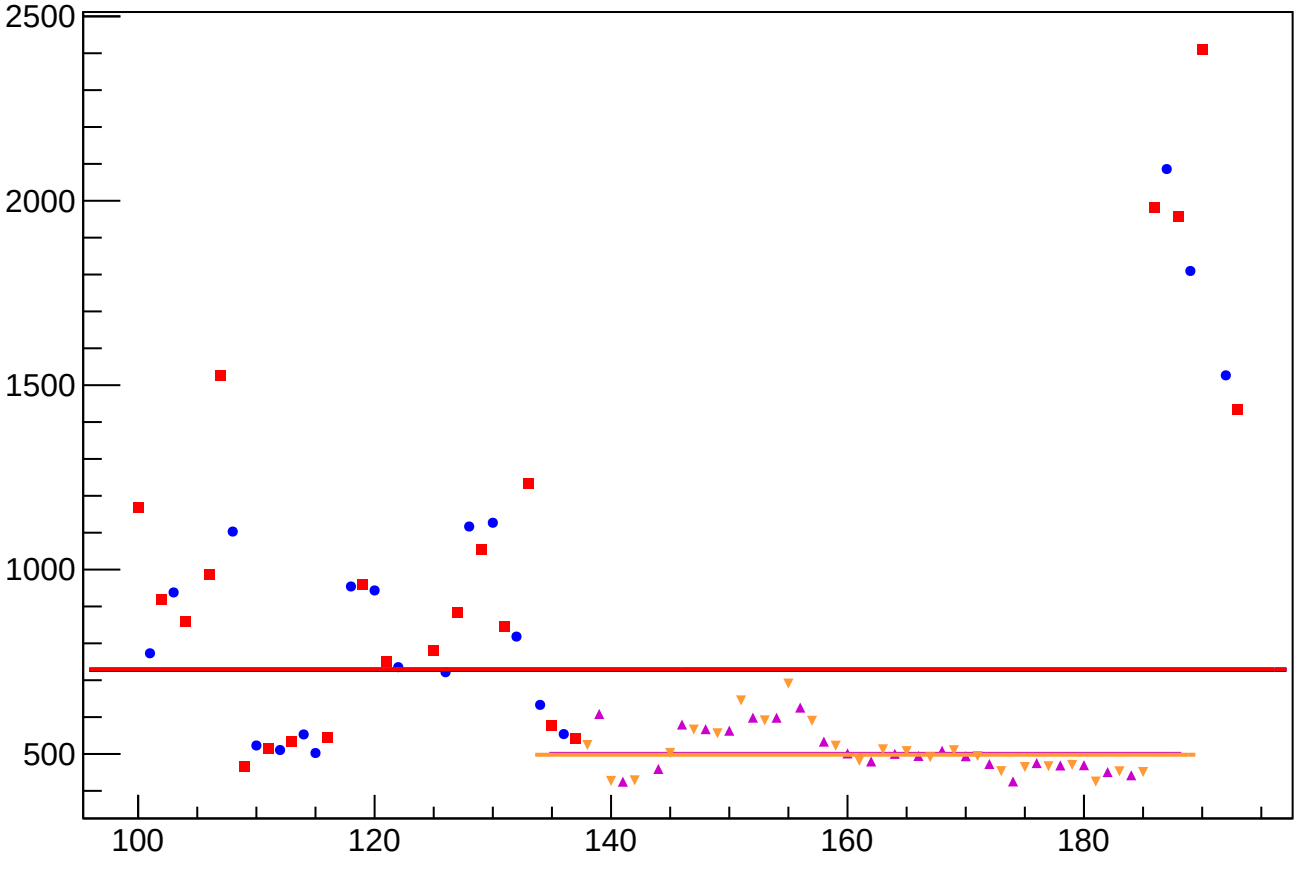
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

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

All: -310.234+/-75.509 χ^2/NDF: 135.9/87

- sign -168.968+/-107.026 χ^2/NDF: 44.4/44

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: 730.192+/-0.181 χ^2/NDF: 3163465.7/21

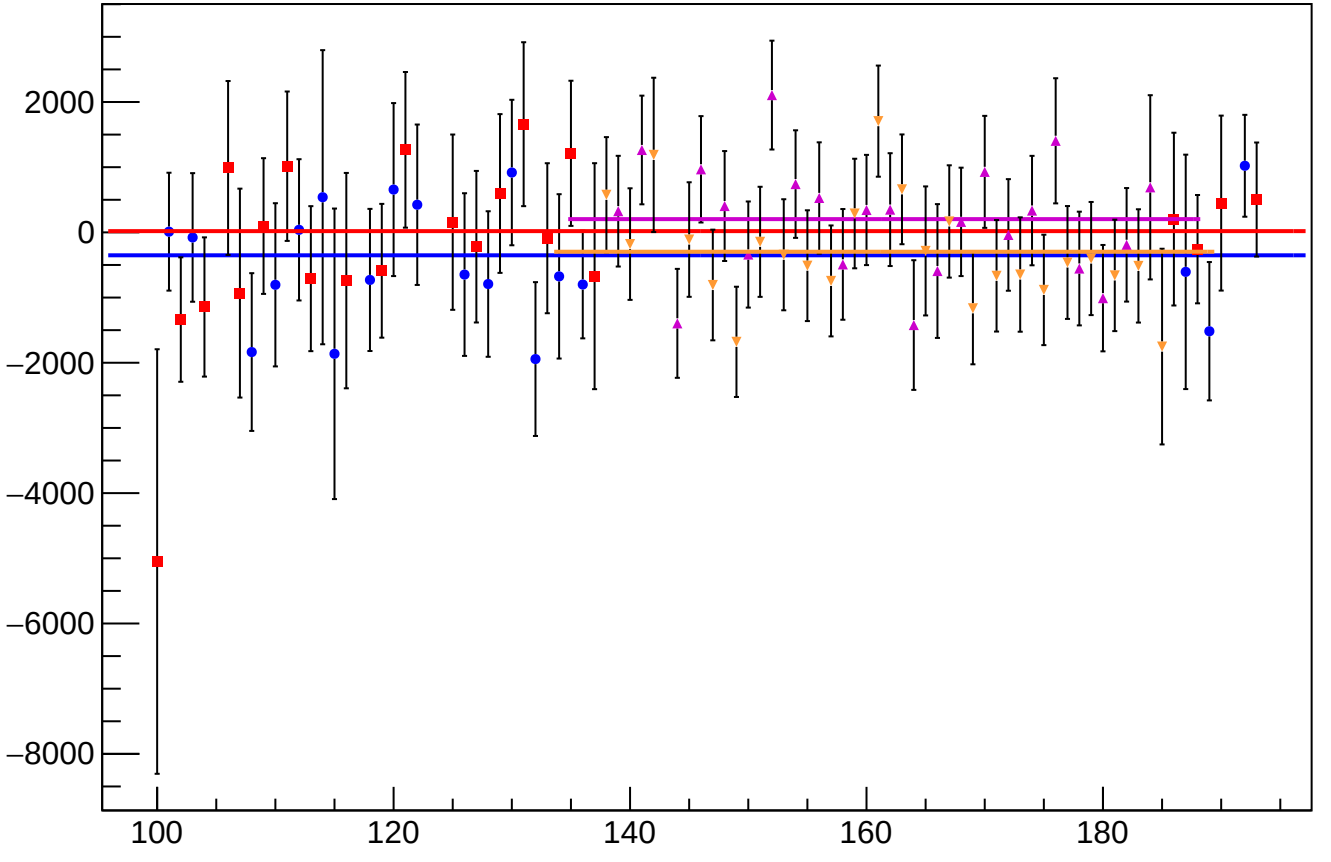
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

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

All: 538.342+/-0.053 χ^2/NDF: 8929160.5/87

\- sign 540.461+/-0.076 χ^2/NDF: 4971086.9/44

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: 19.144+/-250.744 χ^2/NDF: 13.2/21

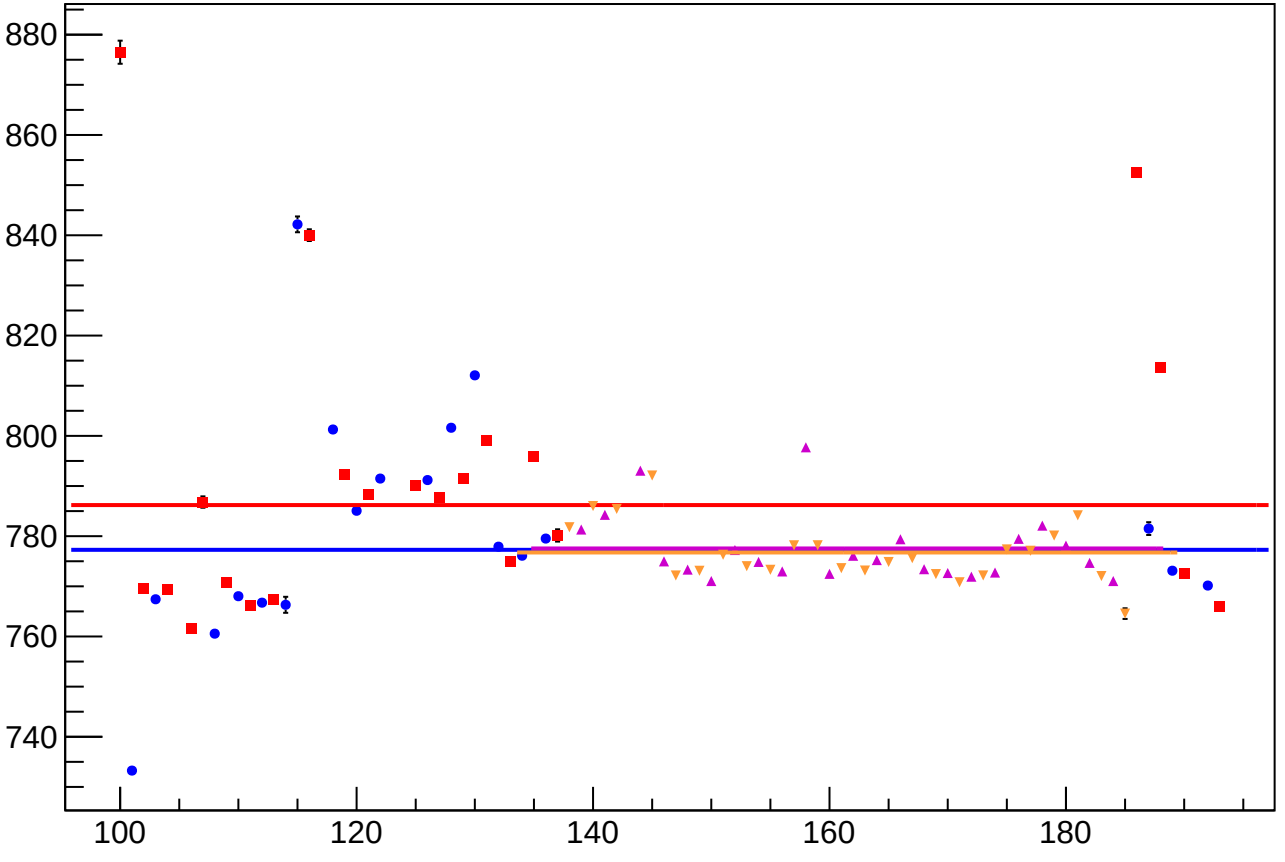
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

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

All: -85.590+/-104.370 χ^2/NDF: 68.8/87

\- sign 139.988+/-147.050 χ^2/NDF: 35.7/44

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: 786.203+/-0.177 χ^2/NDF: 16256.4/21

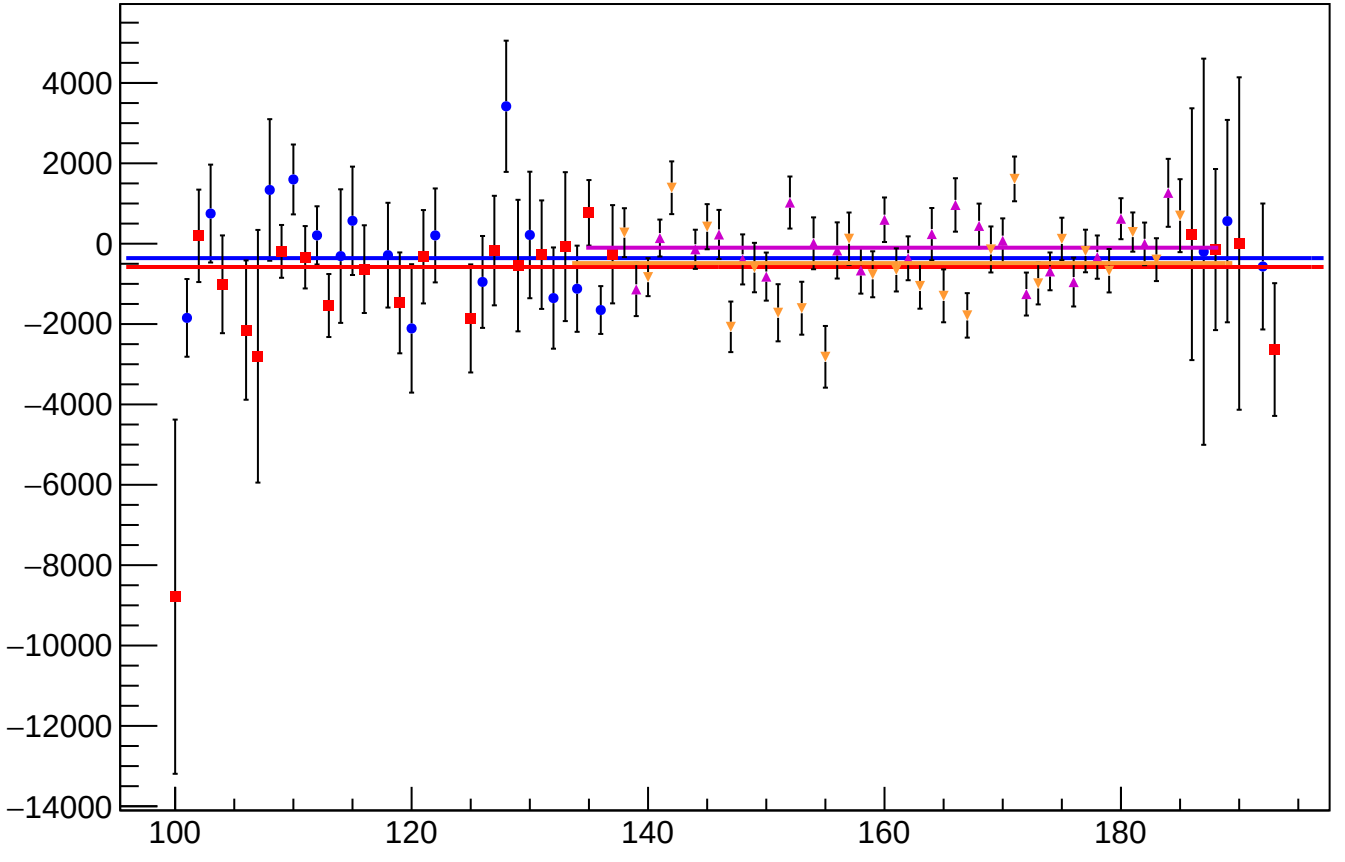
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

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

All: 778.738+/-0.074 χ^2/NDF: 35034.1/87

- sign 780.526+/-0.104 χ^2/NDF: 20569.7/44

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: -580.019+/-258.316 χ^2/NDF: 13.5/21

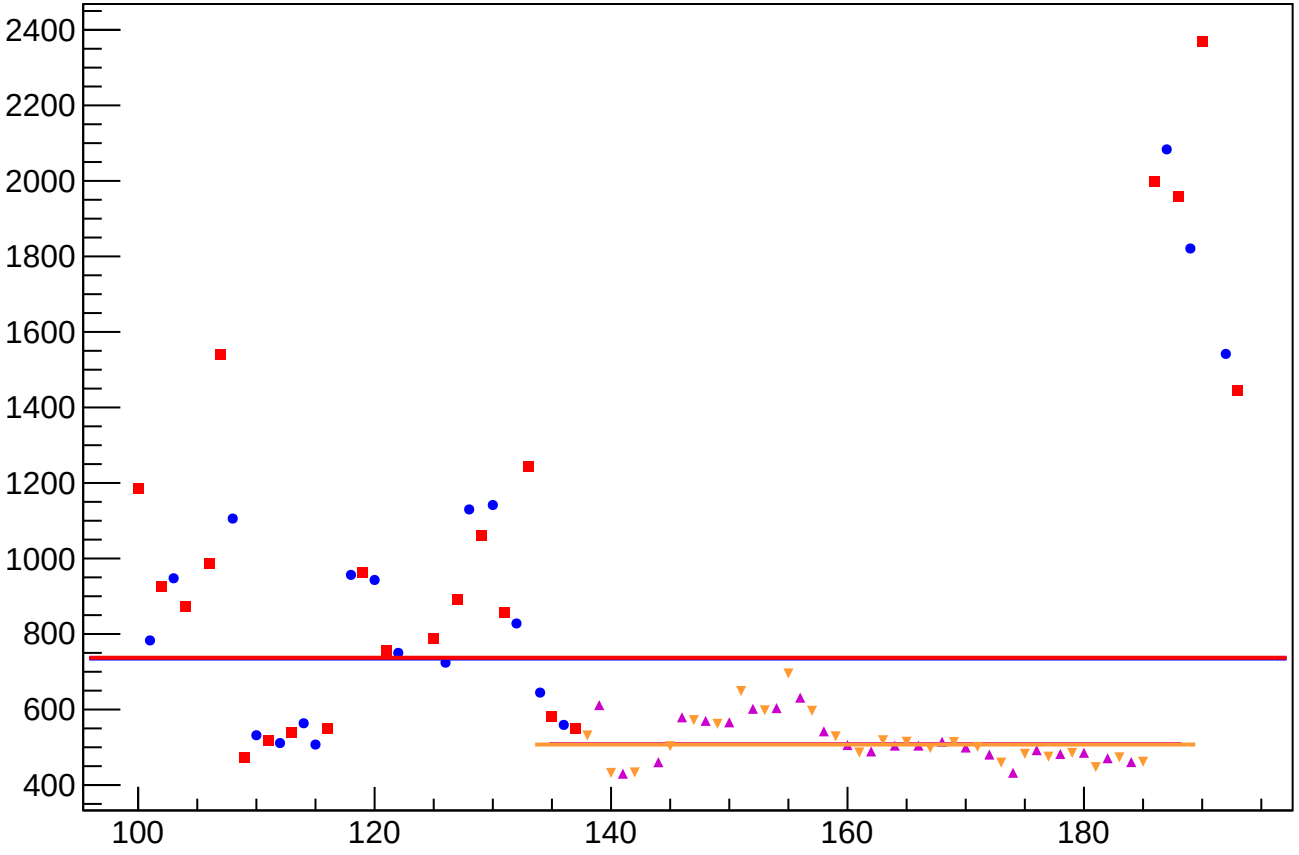
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

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

All: -323.753+/-76.685 χ^2/NDF: 135.7/87

- sign -184.813+/-108.589 χ^2/NDF: 43.7/44

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

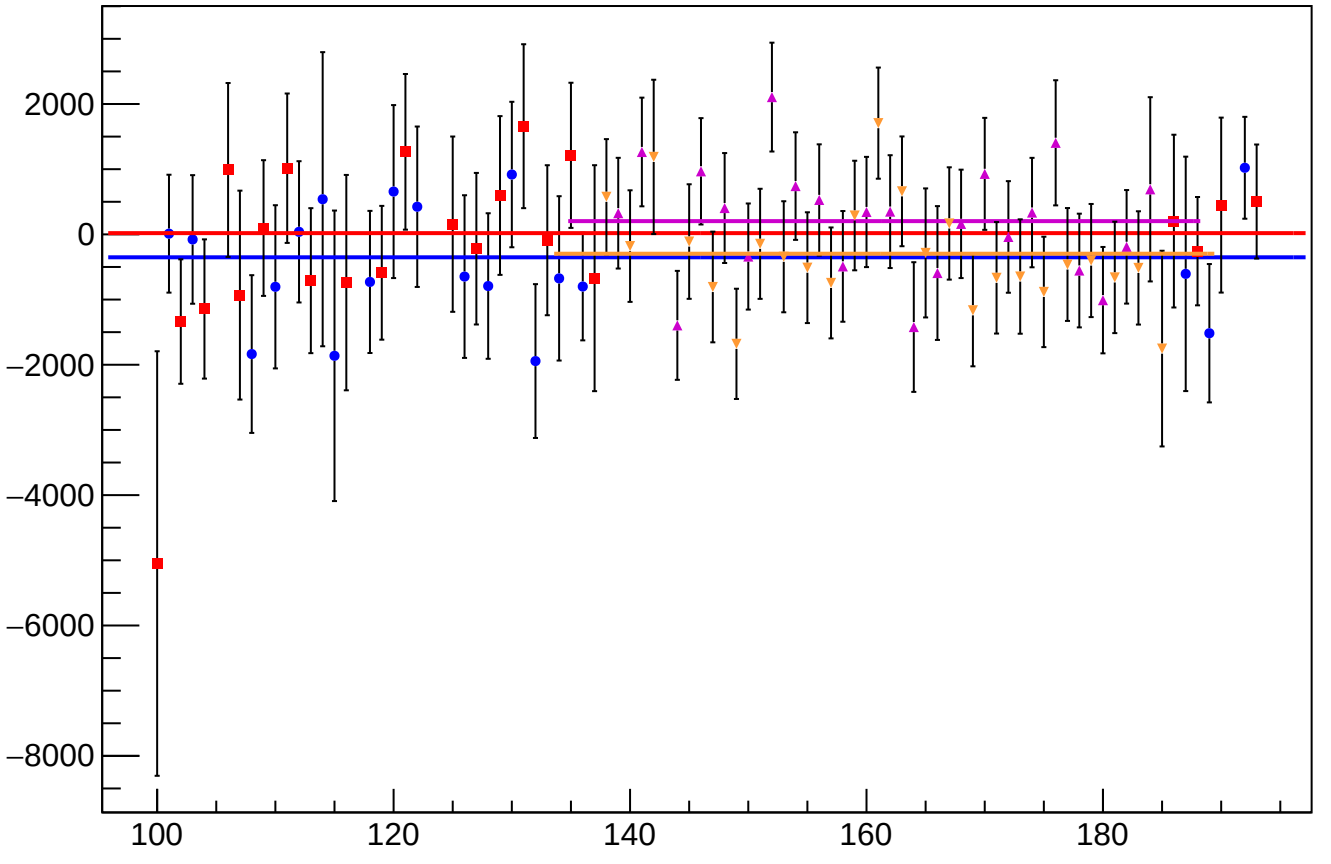
Right Out: 737.157+/-0.183 χ^2/NDF: 3144266.5/21

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

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

All: 547.391+/-0.054 χ^2/NDF: 8715368.2/87

- sign 549.021+/-0.077 χ^2/NDF: 4865327.8/44



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: 19.146+/-250.744 χ^2/NDF: 13.2/21

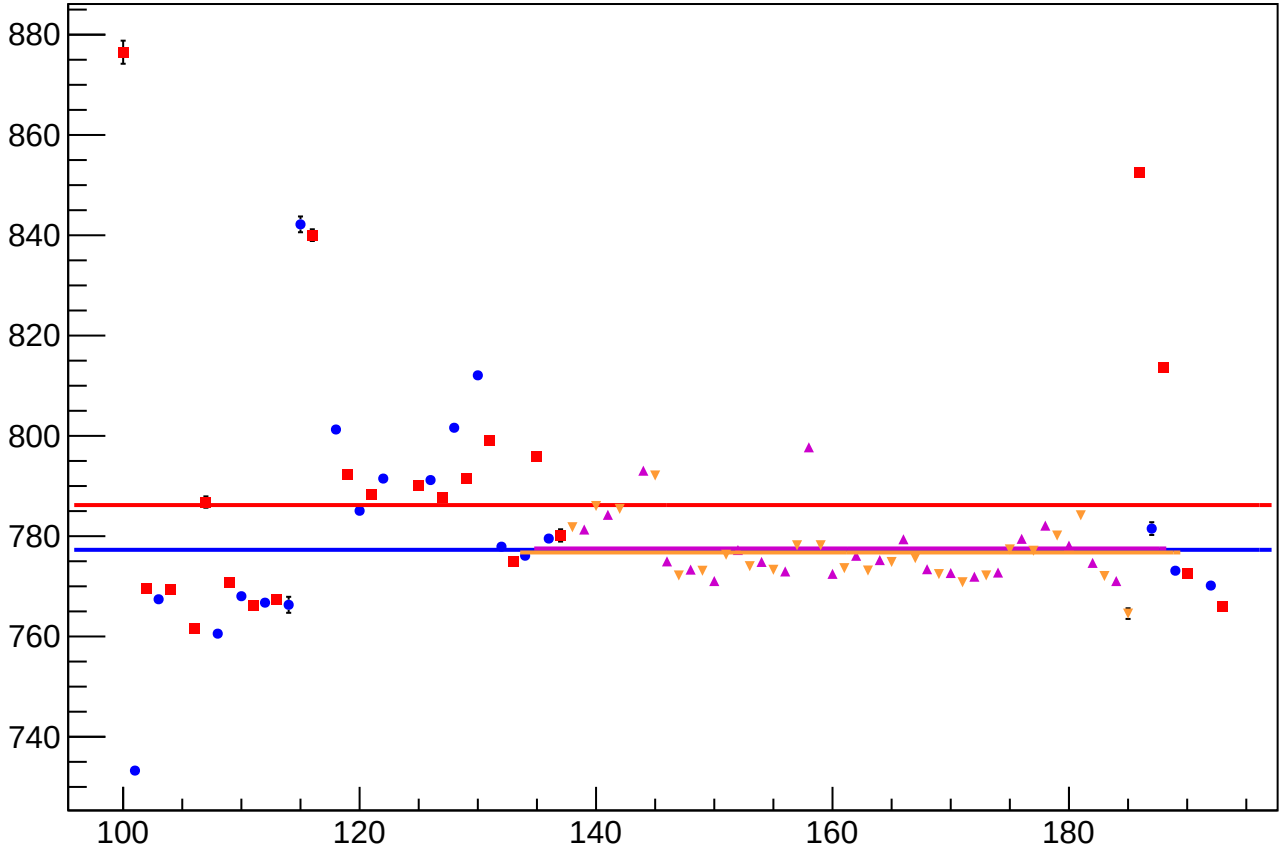
Left In: 203.338+/-181.548 χ^2/NDF:22.1/22

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

All: -85.591+/-104.370 χ^2/NDF: 68.8/87

- sign 139.989+/-147.050 χ^2/NDF: 35.7/44

eigen_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

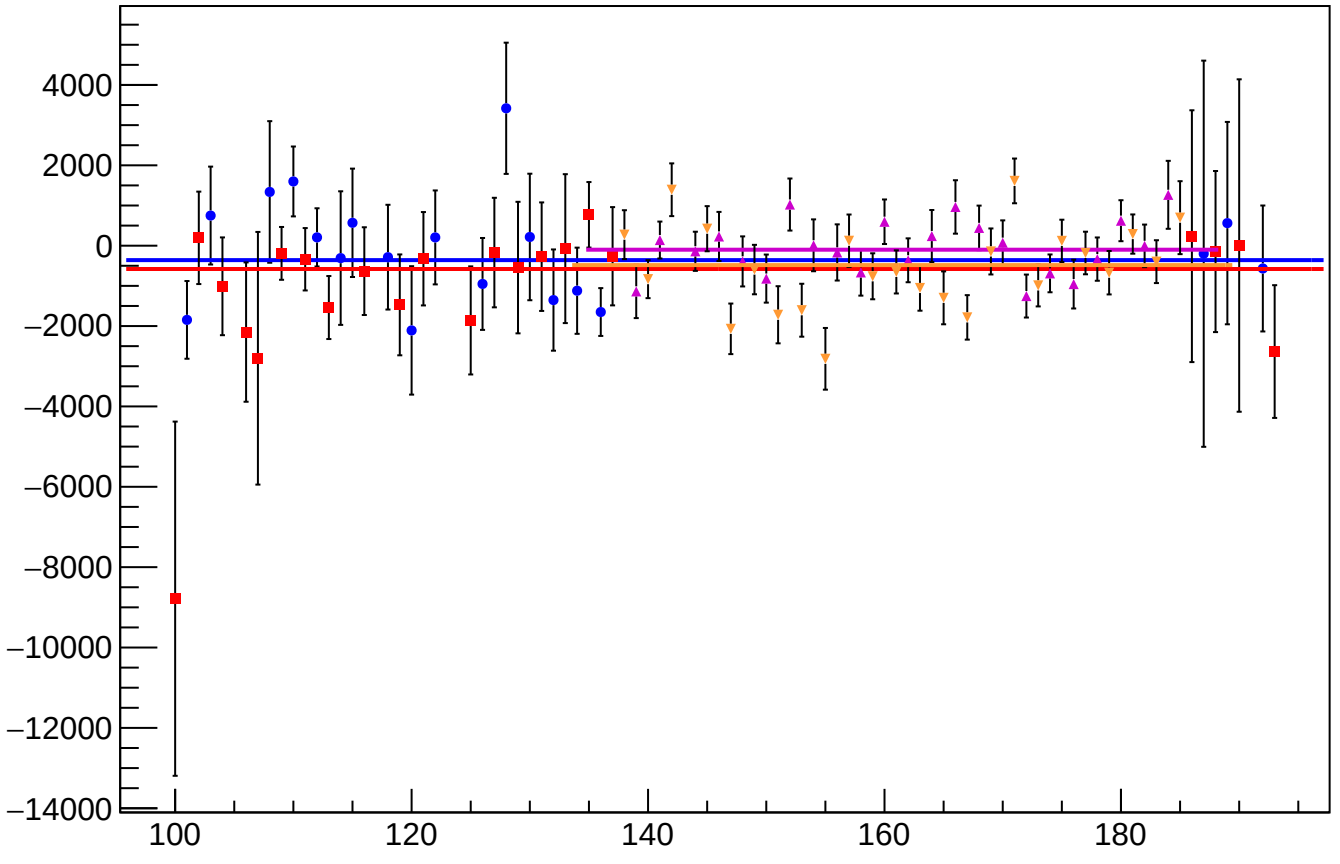
Right Out: 786.203+/-0.177 χ^2/NDF: 16256.4/21

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

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

All: 778.738+/-0.074 χ^2/NDF: 35034.1/87

- sign 780.526+/-0.104 χ^2/NDF: 20569.7/44



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: -580.017+/-258.315 χ^2/NDF: 13.5/21

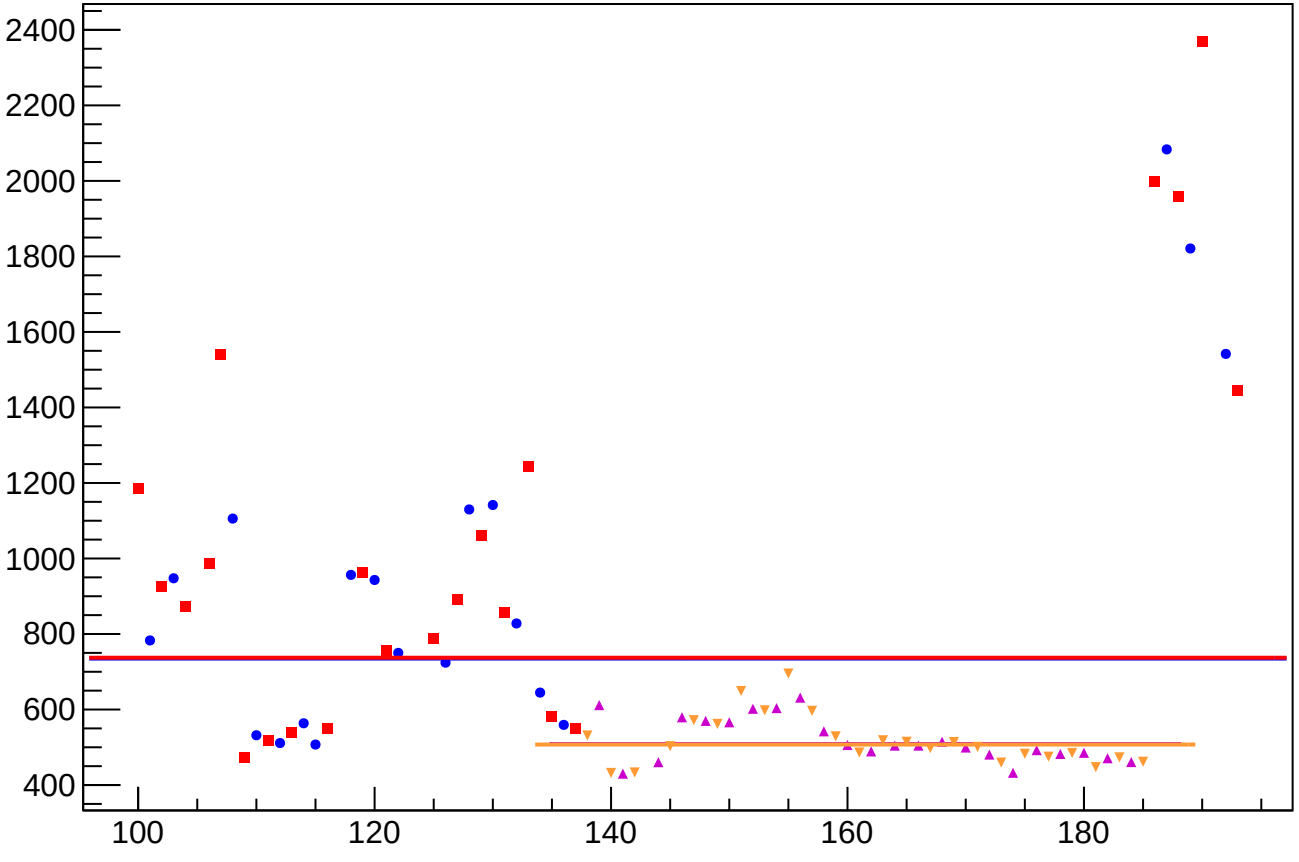
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

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

All: -323.752+/-76.685 χ^2/NDF: 135.7/87

- sign -184.814+/-108.589 χ^2/NDF: 43.7/44

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: 737.154+/-0.183 χ^2/NDF: 3144290.9/21

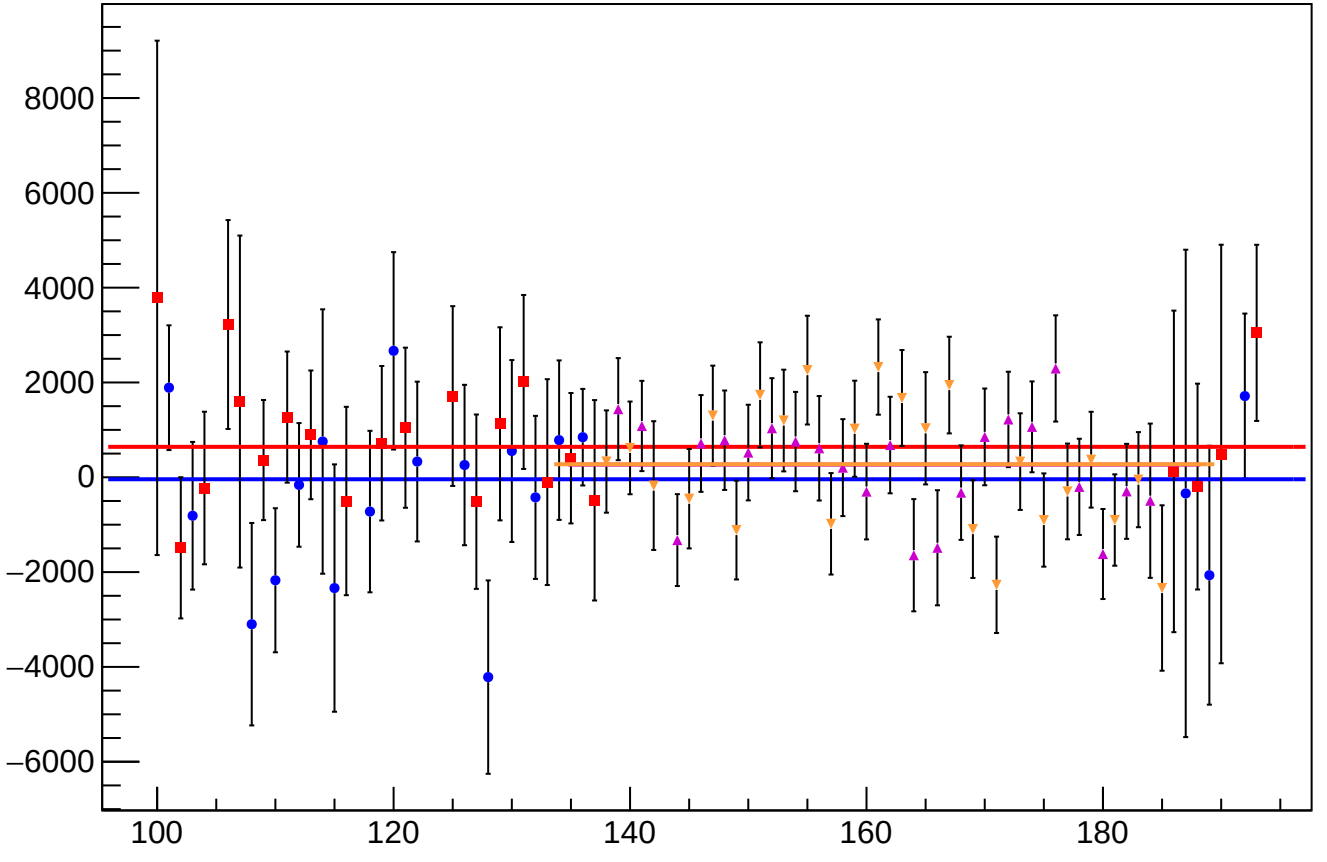
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

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

All: 547.391+/-0.054 χ^2/NDF: 8715369.2/87

- sign 549.020+/-0.077 χ^2/NDF: 4865336.6/44

asym_us_dd_mean vs Slug



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: 642.173+/-390.919 χ^2/NDF: 8.4/21

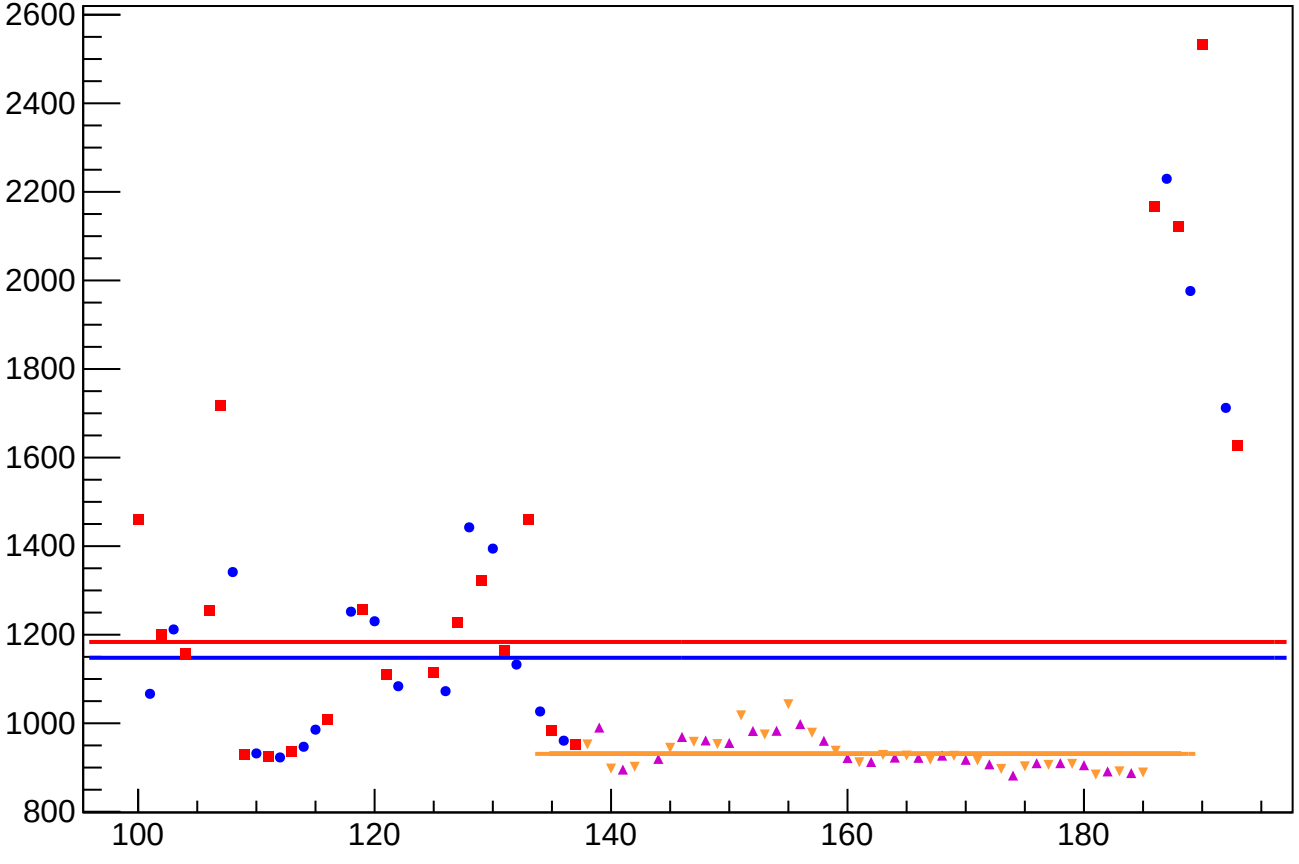
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

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

All: 278.551+/-134.261 χ^2/NDF: 81.0/87

- sign 355.846+/-190.186 χ^2/NDF: 30.5/44

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: 1183.634+/-0.276 χ^2/NDF: 1249729.7/21

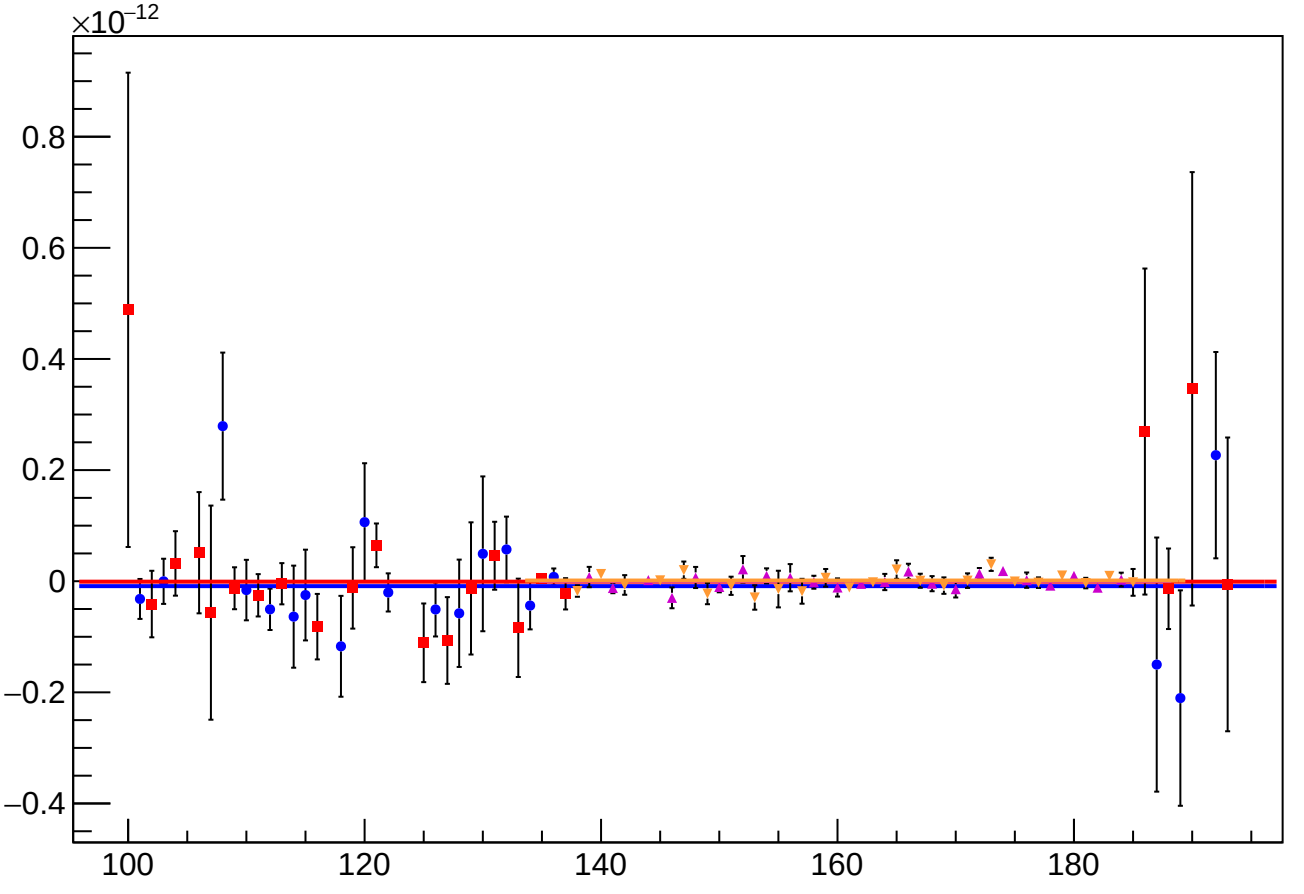
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

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

All: 986.212+/-0.095 χ^2/NDF: 3263458.7/87

- sign 991.225+/-0.134 χ^2/NDF: 1933398.4/44

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: 16.0/21

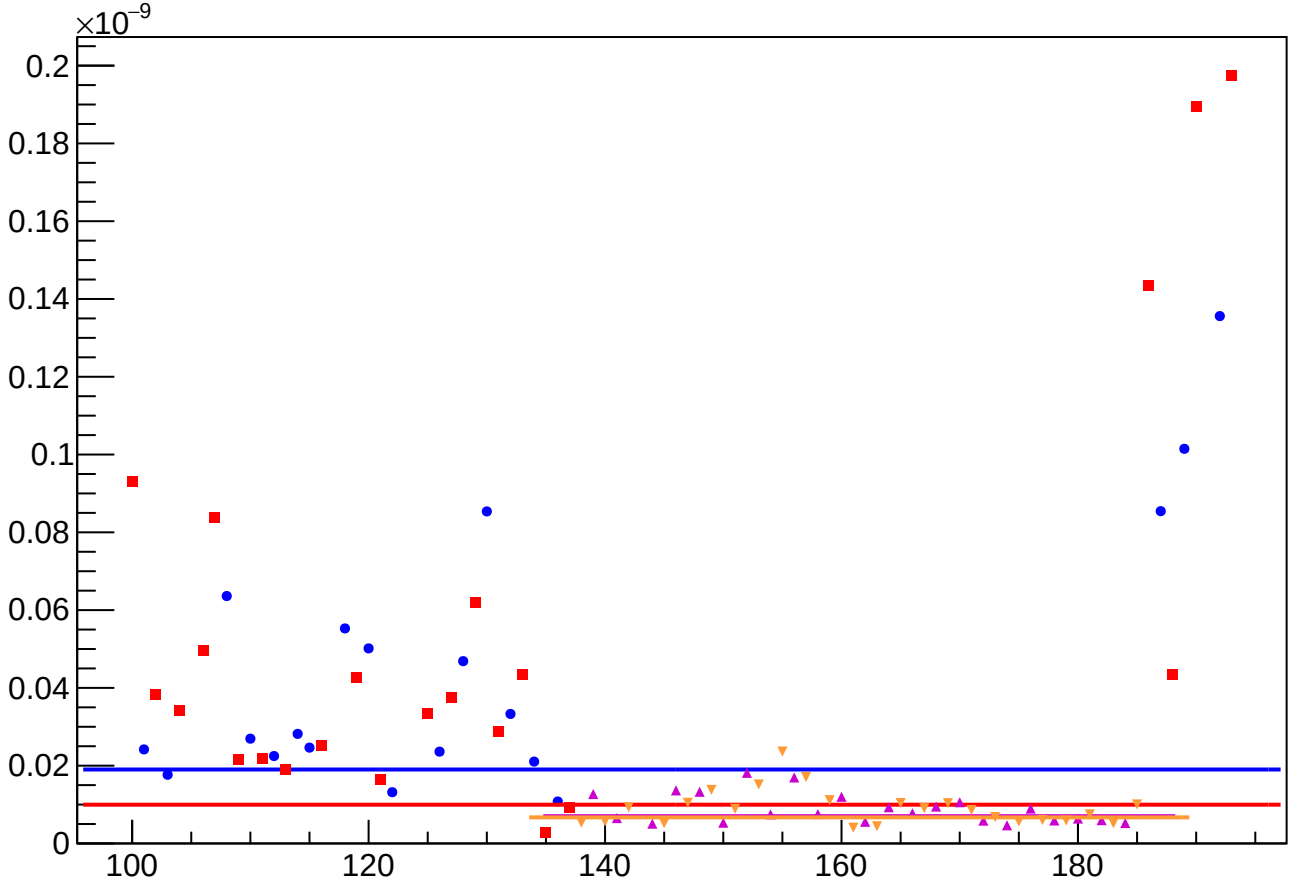
Left In: 0.000+/-0.000 χ^2/NDF:22.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.5/42

All: 0.000+/-0.000 χ^2/NDF: 81.7/87

- sign 0.000+/-0.000 χ^2/NDF: 38.1/44

asym_us_dd_reg_vs_cor_diff_rms vs Slug



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

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

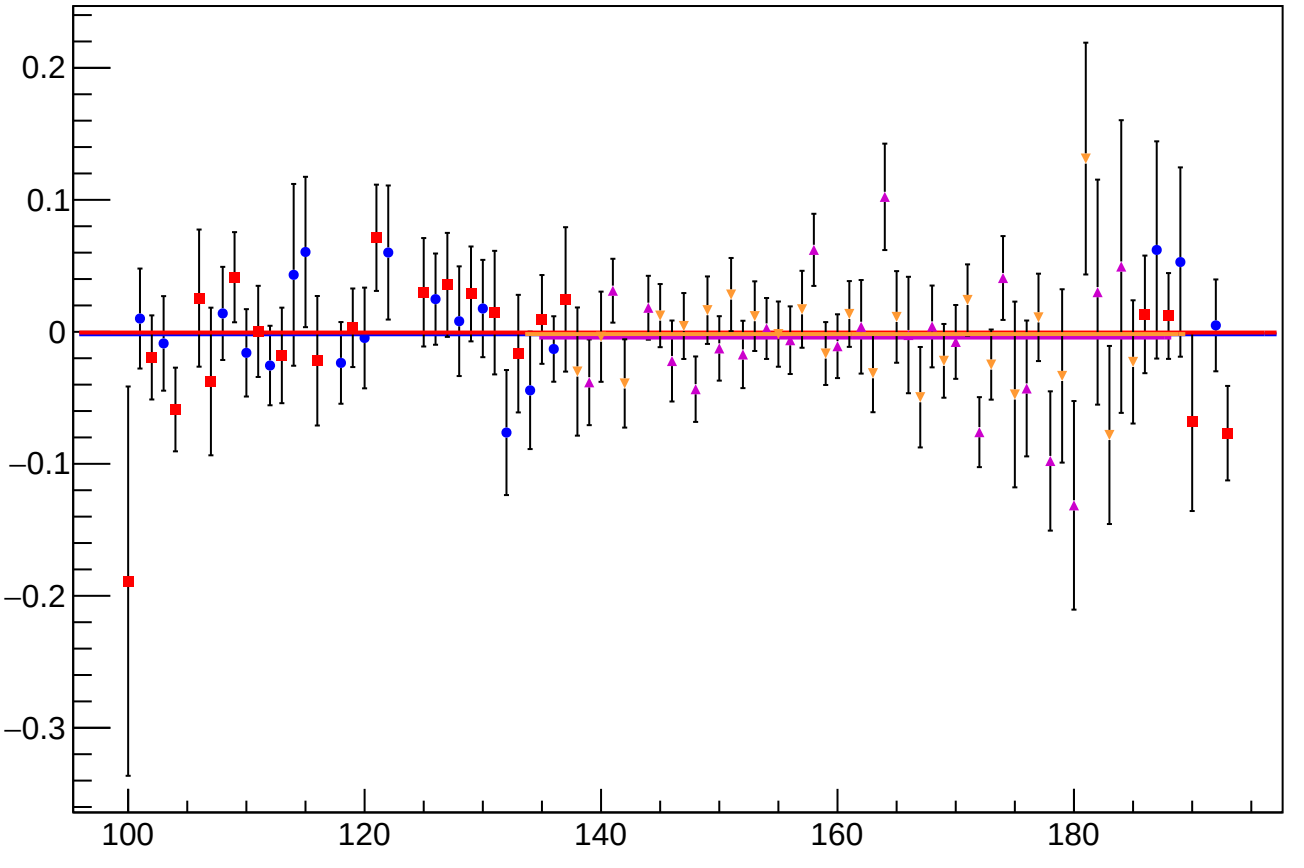
Right Out: 0.000+/-0.000 χ^2/NDF: 7425639.1/21

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: 19445450.3/87

- sign 0.000+/-0.000 χ^2/NDF: 10168010.8/44



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

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

Right Out: -0.001+/-0.008 χ^2/NDF: 19.5/21

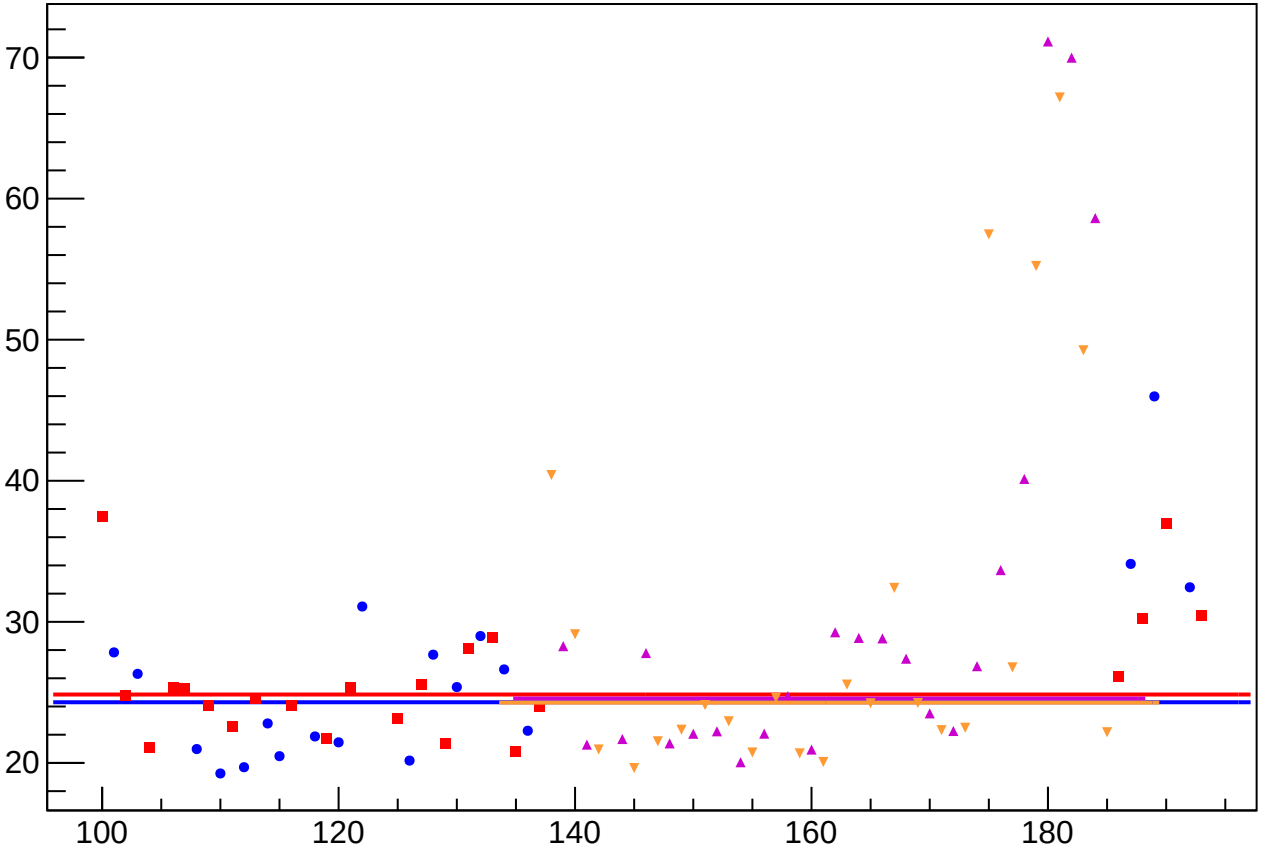
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

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

All: -0.002+/-0.004 χ^2/NDF: 81.3/87

- sign -0.003+/-0.005 χ^2/NDF: 56.2/44

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

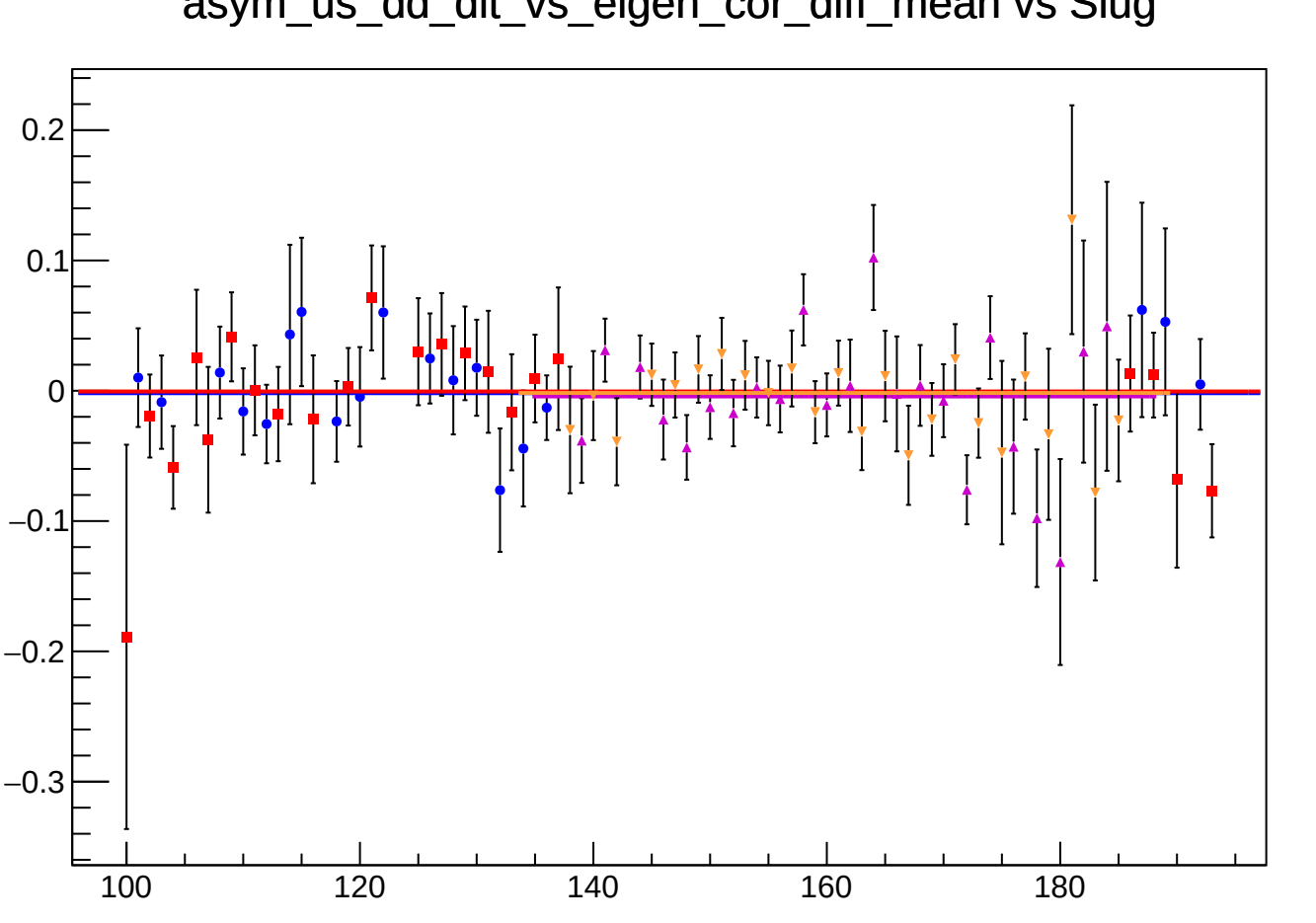
Right Out: 24.849+/-0.006 χ^2/NDF: 324666.9/21

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

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

All: 24.478+/-0.003 χ^2/NDF: 5381766.4/87

- sign 24.668+/-0.004 χ^2/NDF: 2459020.1/44



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

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

Right Out: -0.001+/-0.008 χ^2/NDF: 19.5/21

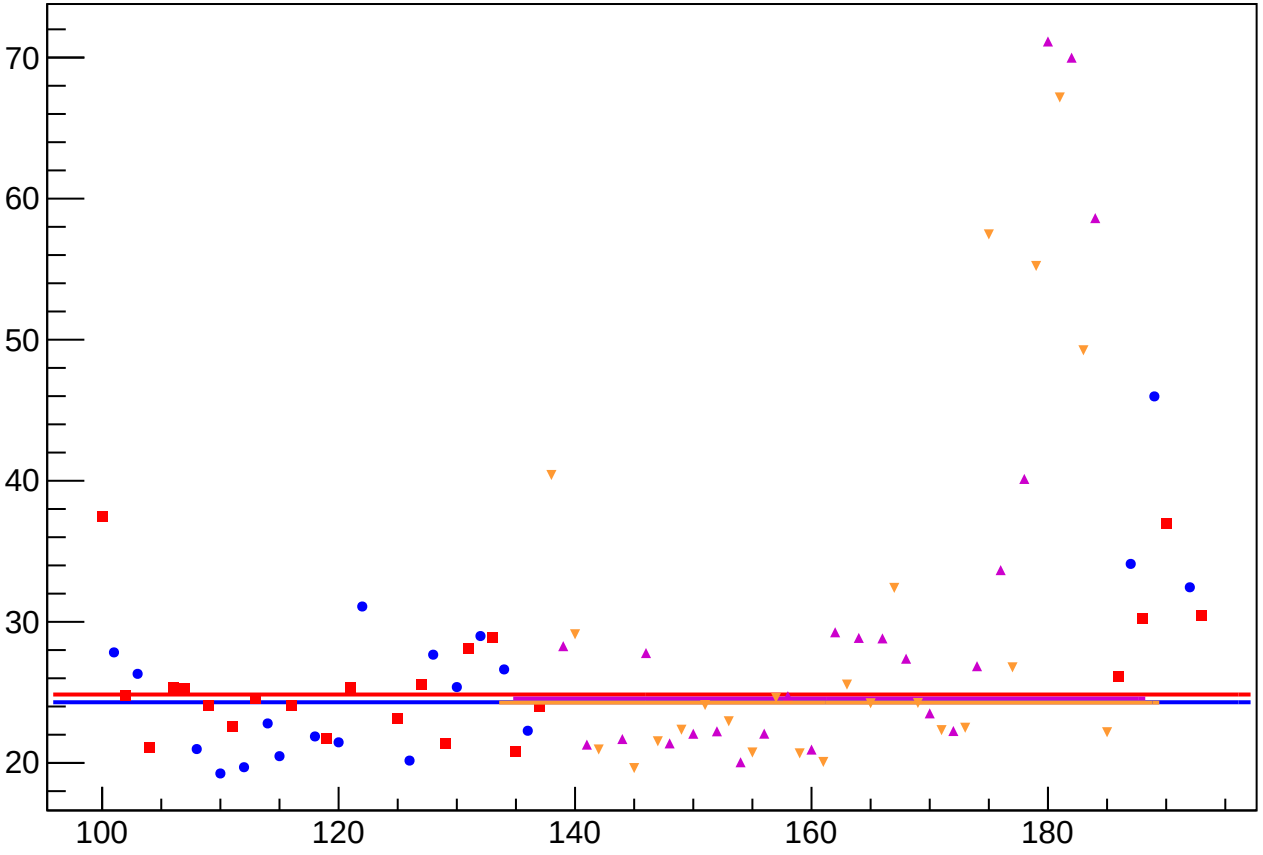
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

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

All: -0.002+/-0.004 χ^2/NDF: 81.3/87

- sign -0.003+/-0.005 χ^2/NDF: 56.2/44

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: 24.849+/-0.006 χ^2/NDF: 324666.9/21

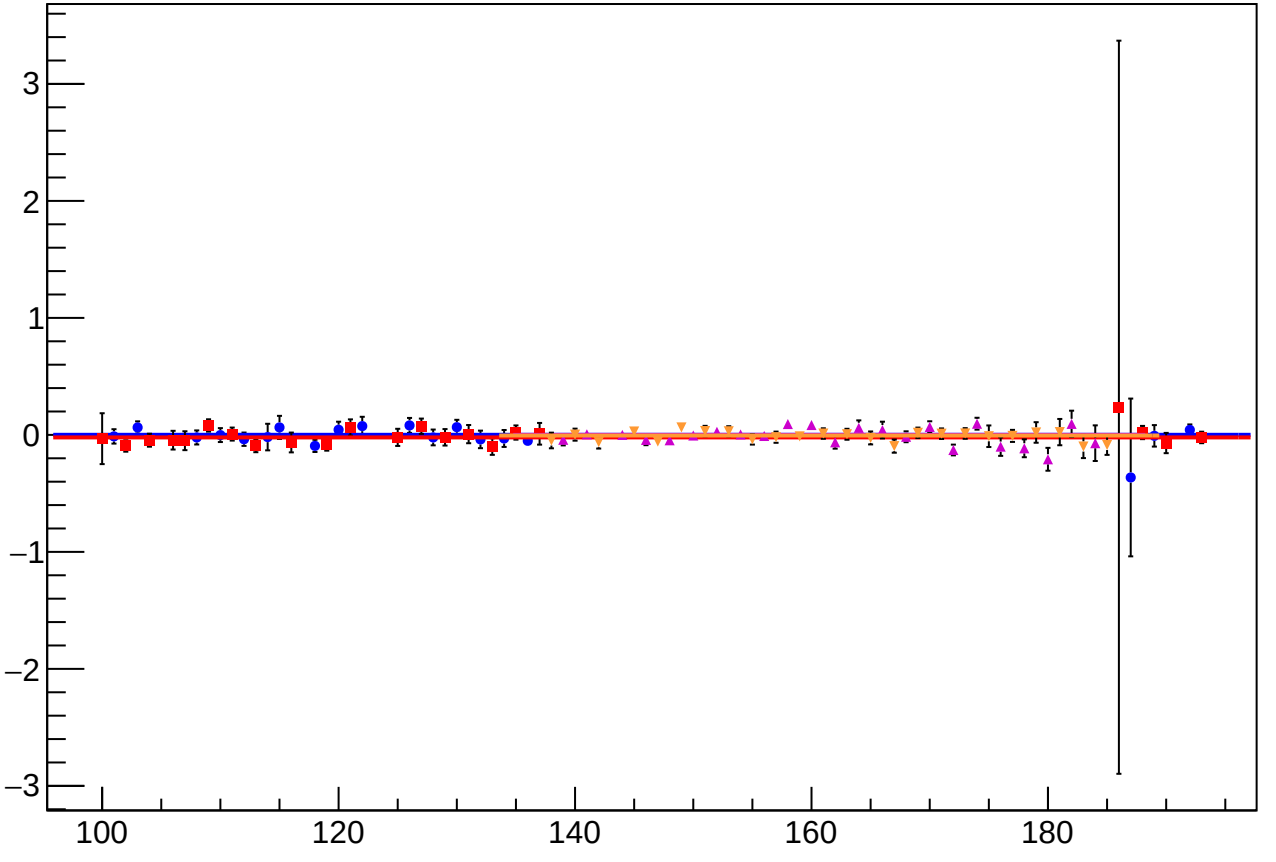
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

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

All: 24.478+/-0.003 χ^2/NDF: 5381766.4/87

\- sign 24.668+/-0.004 χ^2/NDF: 2459020.1/44

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+/-0.014 χ^2/NDF: 16.3/21

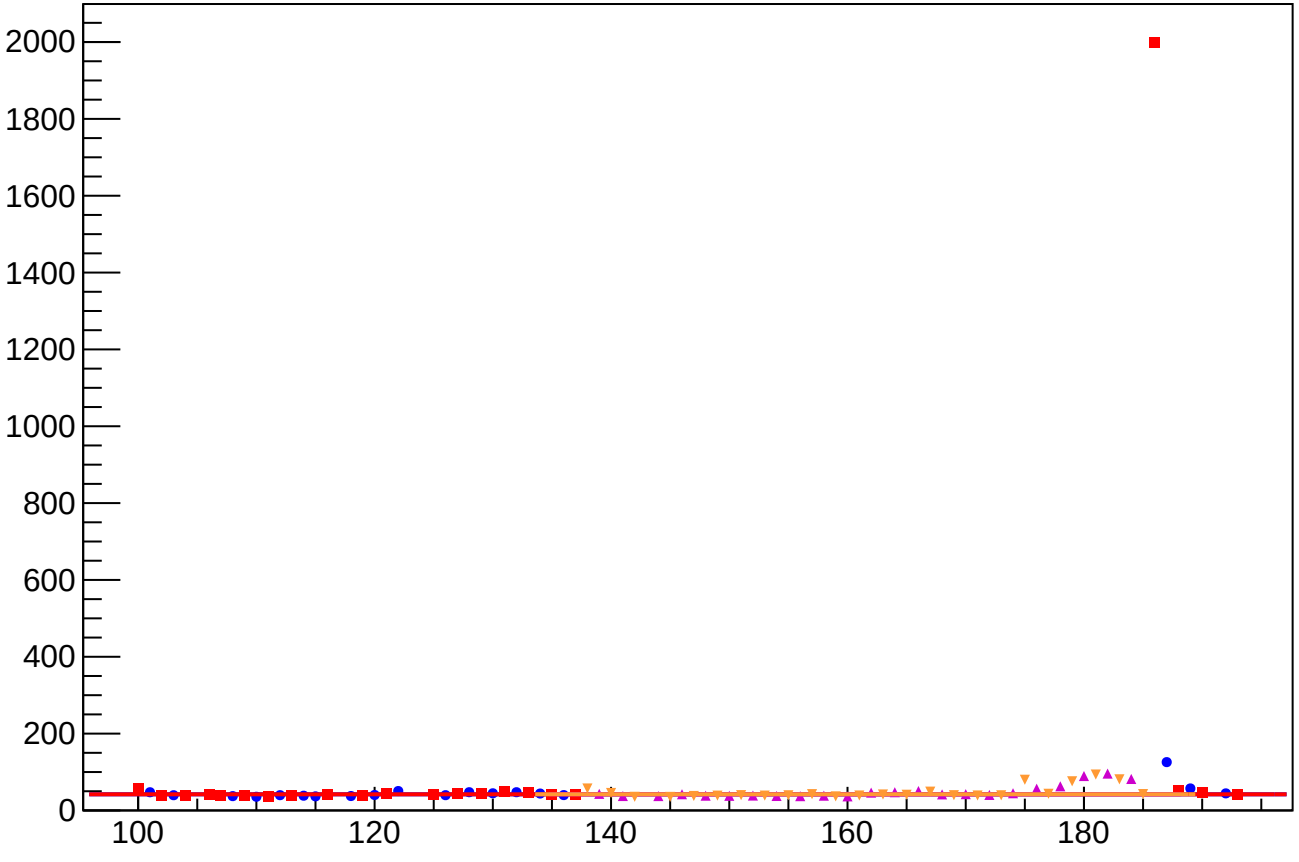
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

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

All: -0.005+/-0.006 χ^2/NDF: 82.6/87

- sign -0.008+/-0.008 χ^2/NDF: 55.7/44

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

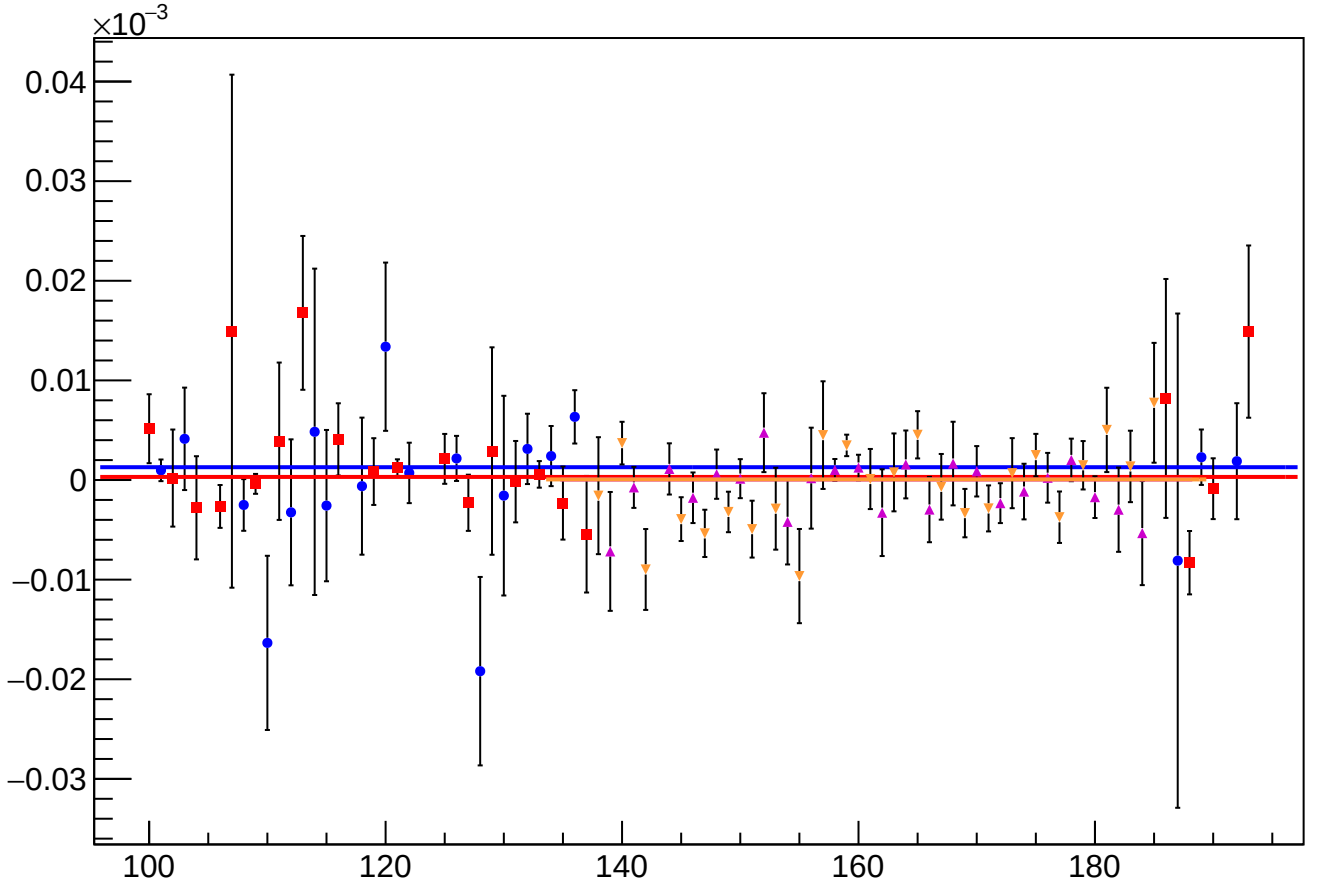
Right Out: 42.042+/-0.010 χ^2/NDF: 949170.1/21

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

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

All: 42.064+/-0.004 χ^2/NDF: 4440636.3/87

\- sign 42.065+/-0.006 χ^2/NDF: 2492683.9/44



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

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

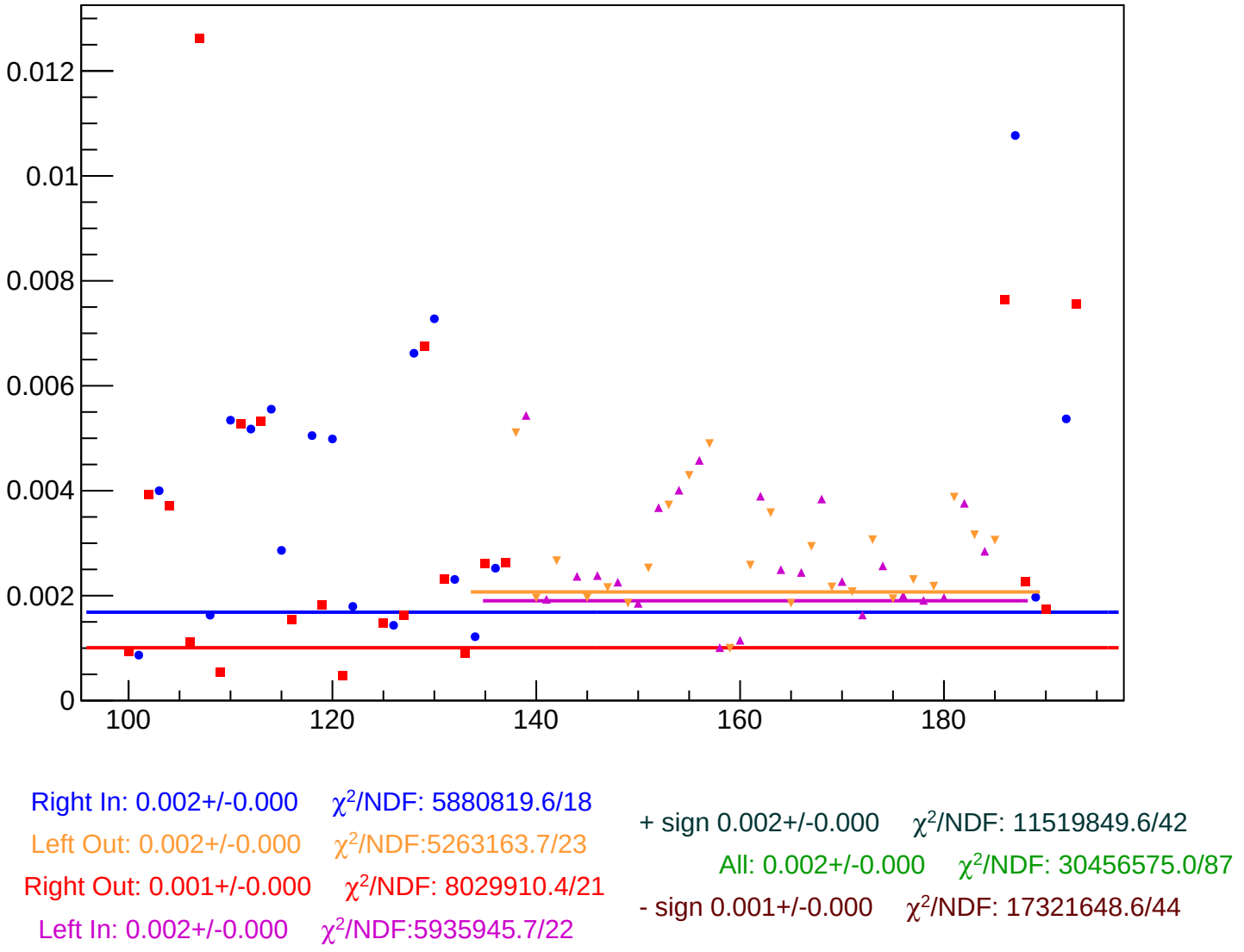
Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/21

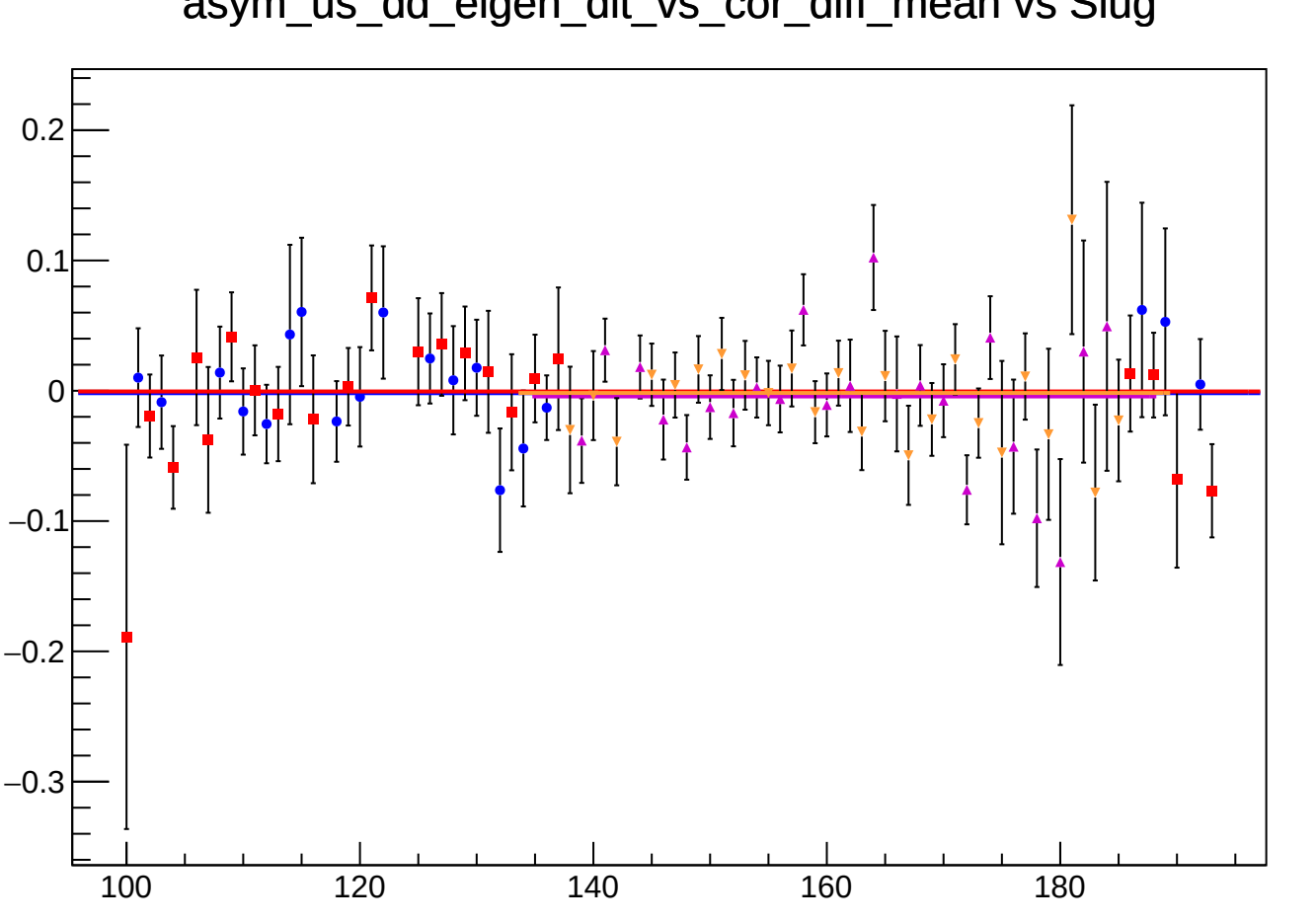
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.2/42

All: 0.000+/-0.000 χ^2/NDF: 111.5/87

- sign 0.000+/-0.000 χ^2/NDF: 39.0/44


asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
Right In: 0.002+/-0.000 χ²/NDF: 5880819.6/18
Left Out: 0.002+/-0.000 χ²/NDF:5263163.7/23
Right Out: 0.001+/-0.000 χ²/NDF: 8029910.4/21
Left In: 0.002+/-0.000 χ²/NDF:5935945.7/22
+ sign 0.002+/-0.000 χ²/NDF: 11519849.6/42
All: 0.002+/-0.000 χ²/NDF: 30456575.0/87
- sign 0.001+/-0.000 χ²/NDF: 17321648.6/44



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

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

Right Out: -0.001+/-0.008 χ^2/NDF: 19.5/21

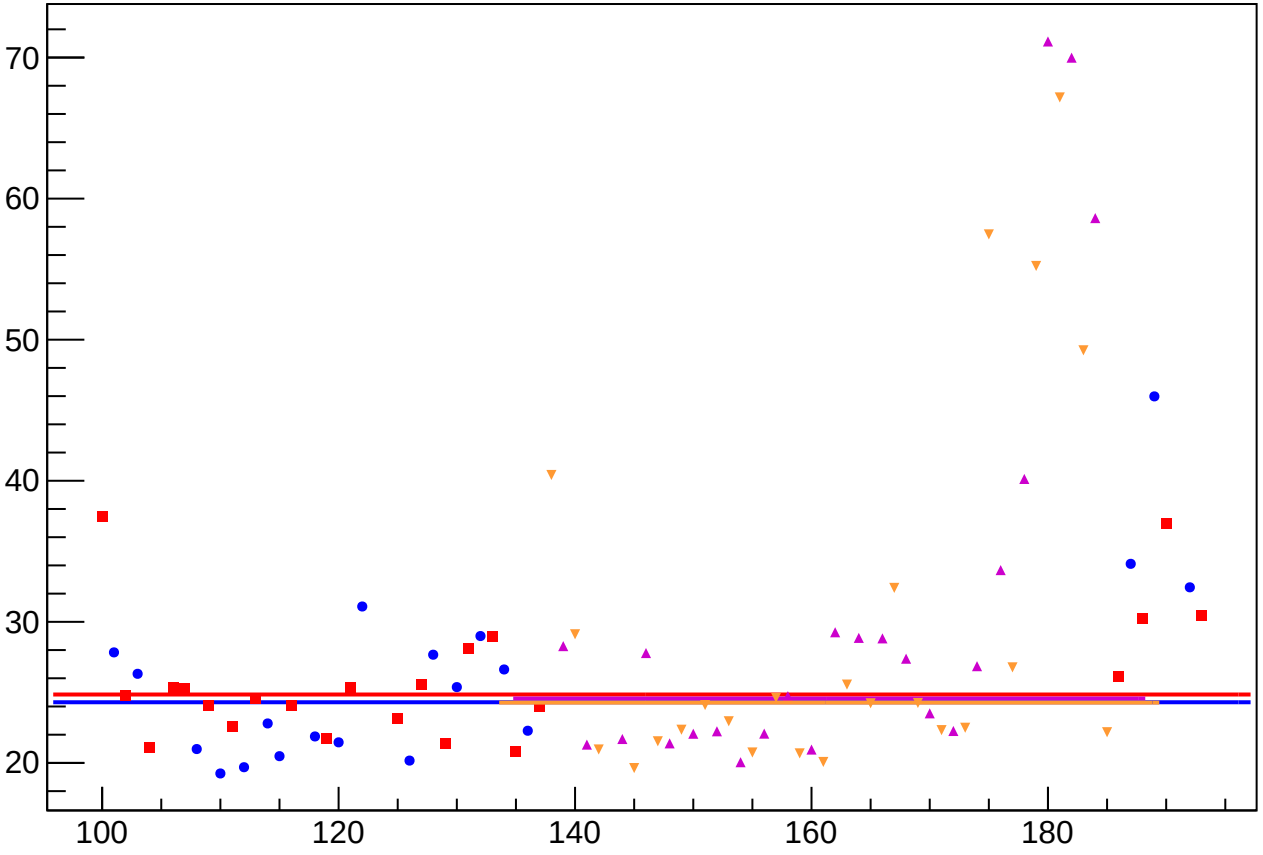
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

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

All: -0.002+/-0.004 χ^2/NDF: 81.3/87

- sign -0.003+/-0.005 χ^2/NDF: 56.2/44

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

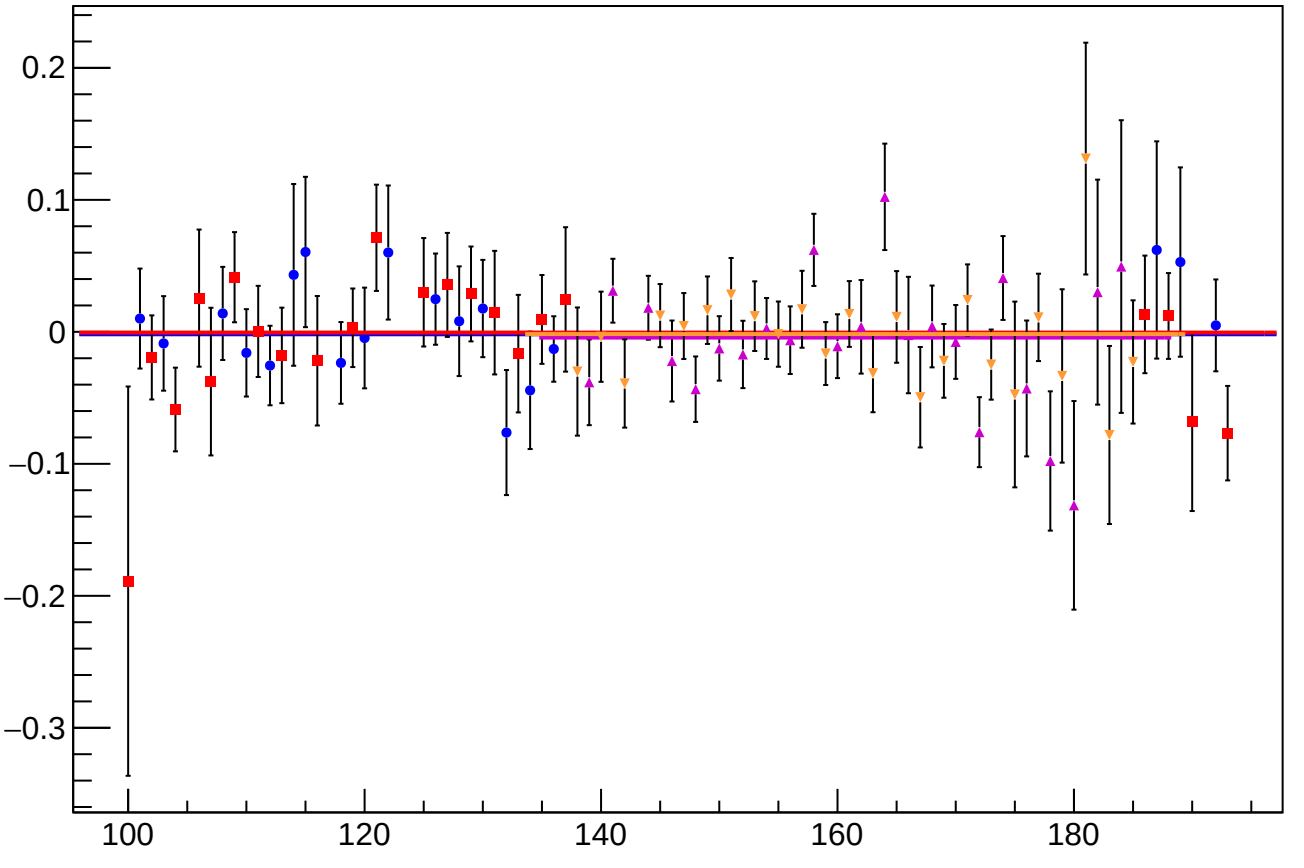
Right Out: 24.849+/-0.006 χ^2/NDF: 324576.8/21

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

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

All: 24.478+/-0.003 χ^2/NDF: 5381535.6/87

\- sign 24.668+/-0.004 χ^2/NDF: 2458793.0/44



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

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

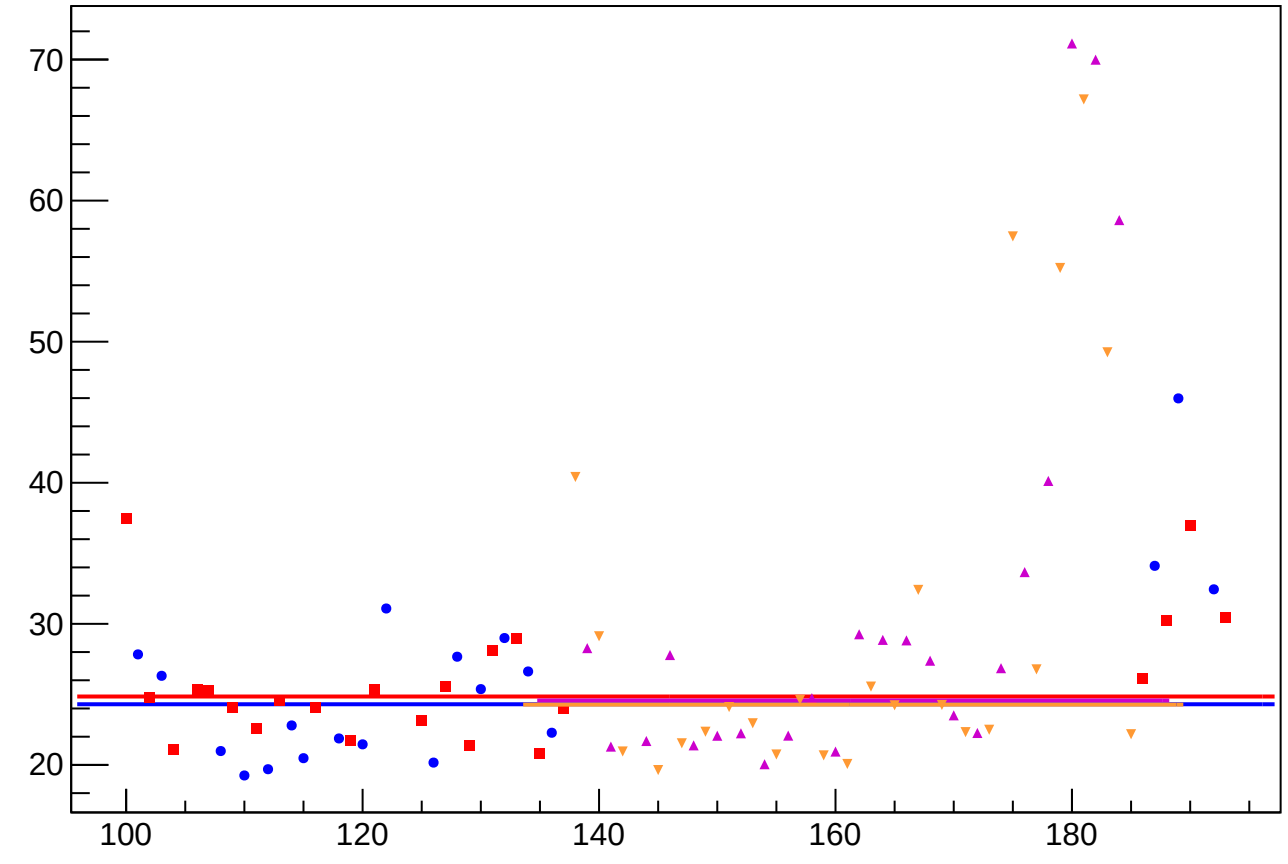
Right Out: -0.001+/-0.008 χ^2/NDF: 19.5/21

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: 81.3/87

- sign -0.003+/-0.005 χ^2/NDF: 56.2/44



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

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

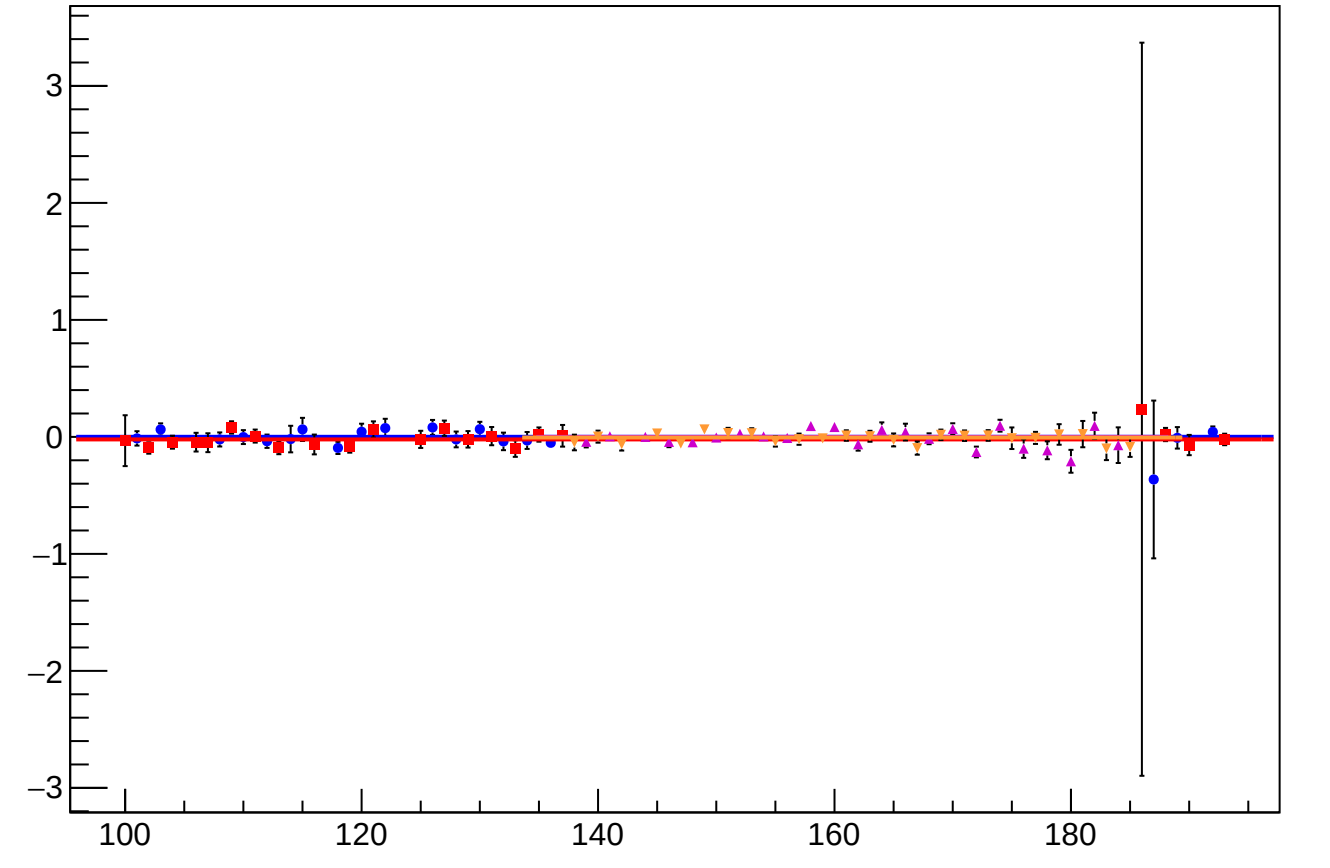
Right Out: 24.849+/-0.006 χ^2/NDF: 324576.8/21

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

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

All: 24.478+/-0.003 χ^2/NDF: 5381535.6/87

- sign 24.668+/-0.004 χ^2/NDF: 2458793.0/44



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+/-0.014 χ^2/NDF: 16.3/21

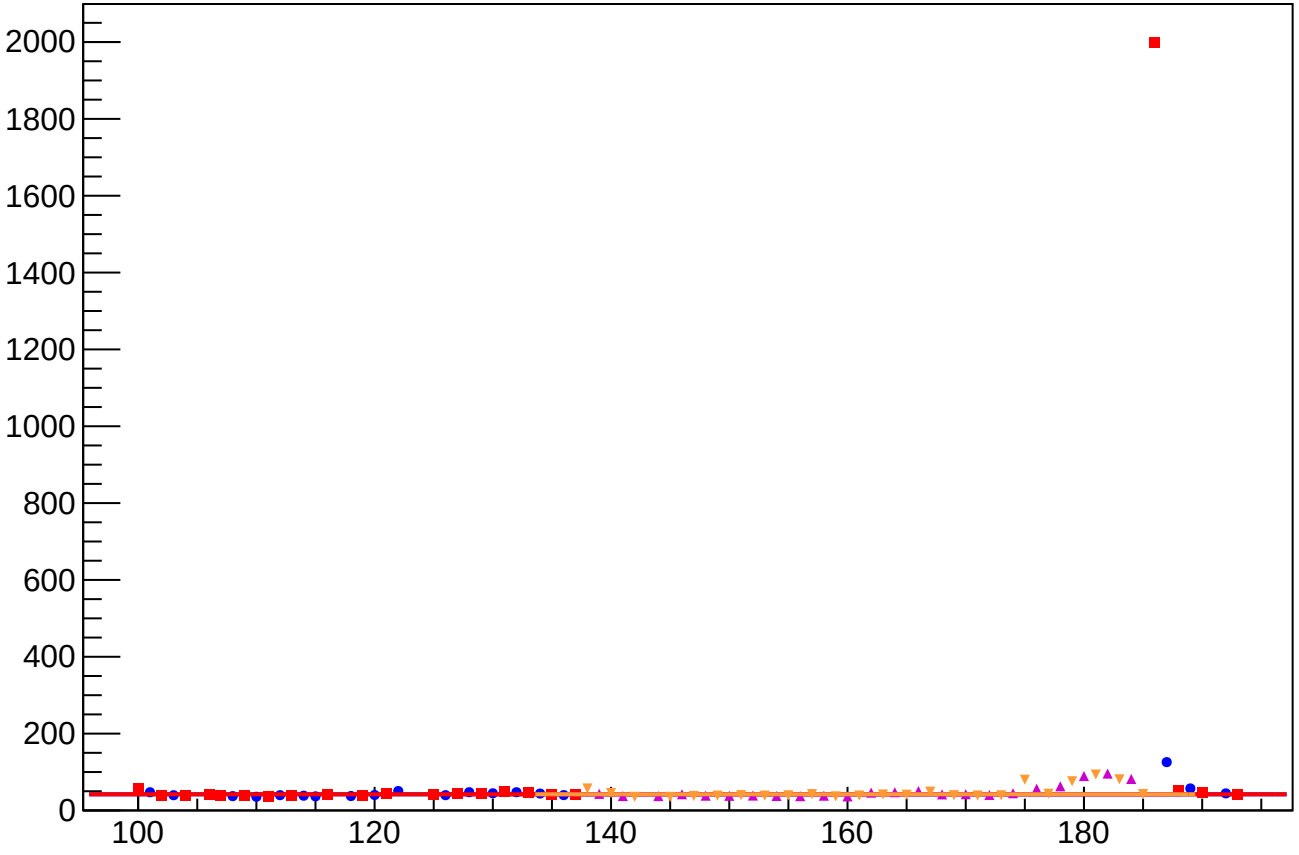
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

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

All: -0.005+/-0.006 χ^2/NDF: 82.6/87

- sign -0.008+/-0.008 χ^2/NDF: 55.7/44

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

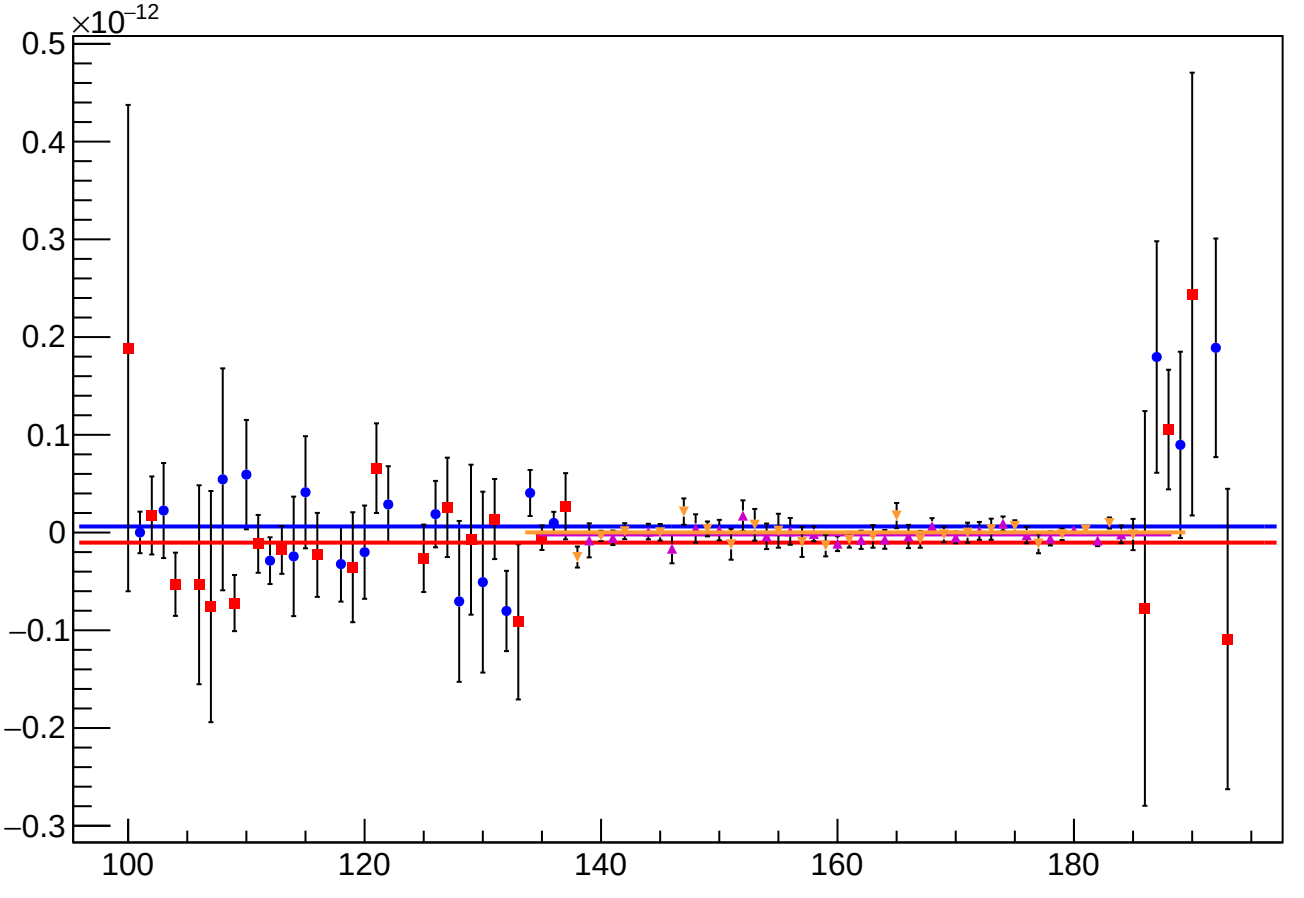
Right Out: 42.042+/-0.010 χ^2/NDF: 949158.7/21

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

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

All: 42.064+/-0.004 χ^2/NDF: 4440562.6/87

\- sign 42.065+/-0.006 χ^2/NDF: 2492648.3/44



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

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

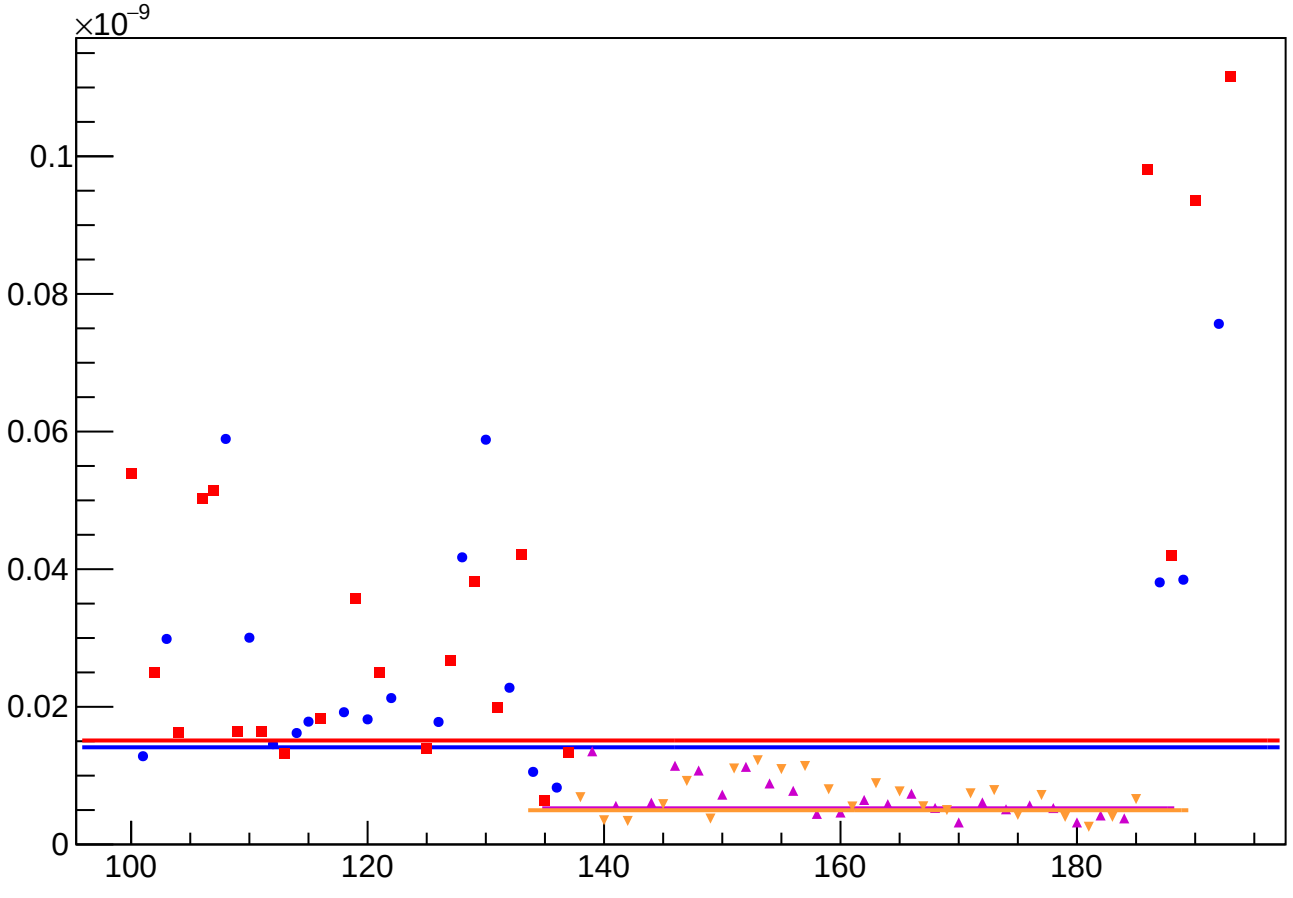
Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/21

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: 75.4/87

- sign -0.000+/-0.000 χ^2/NDF: 32.8/44



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

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

Right Out: 0.000+/-0.000 χ^2/NDF: 4250441.5/21

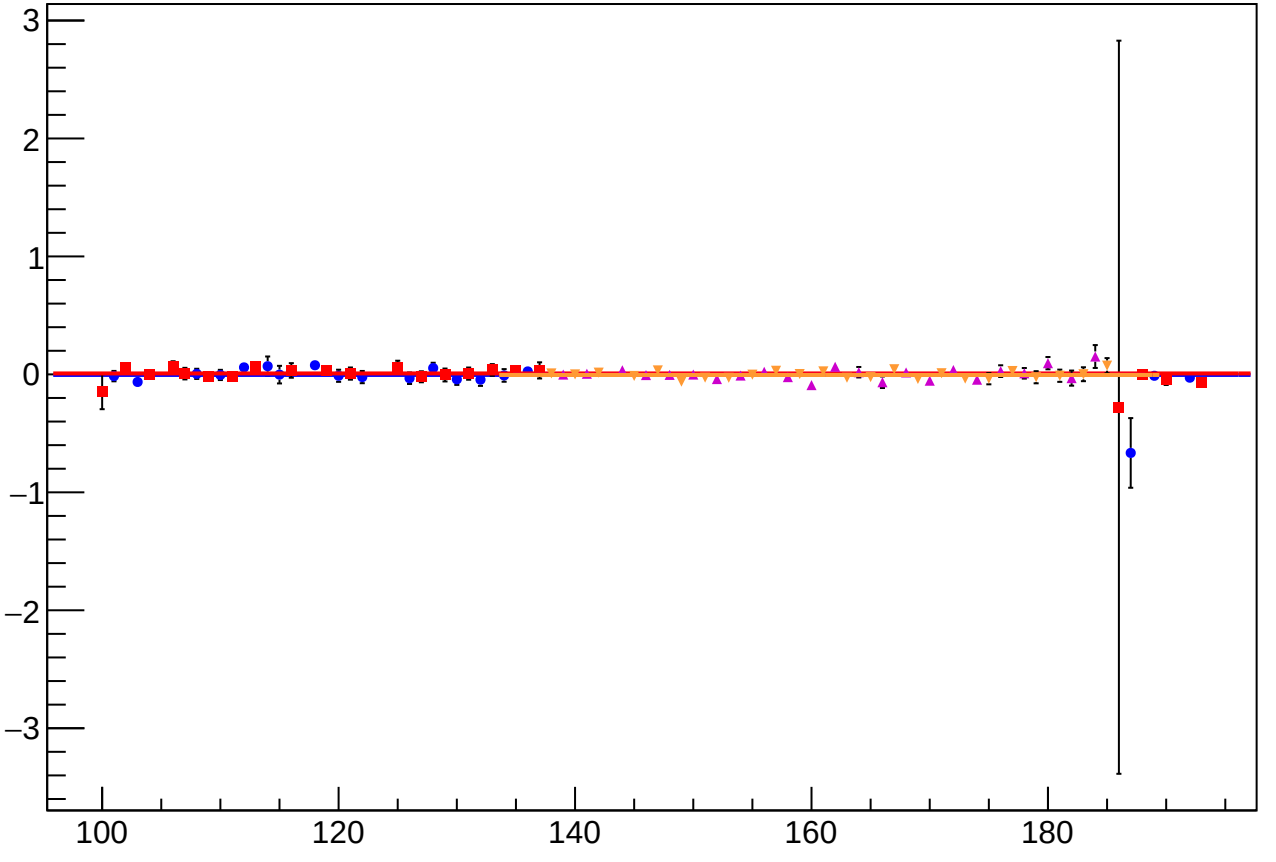
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9516950.1/42

All: 0.000+/-0.000 χ^2/NDF: 19533808.7/87

- sign 0.000+/-0.000 χ^2/NDF: 9983679.1/44

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: 0.008+/-0.009 χ^2/NDF: 18.7/21

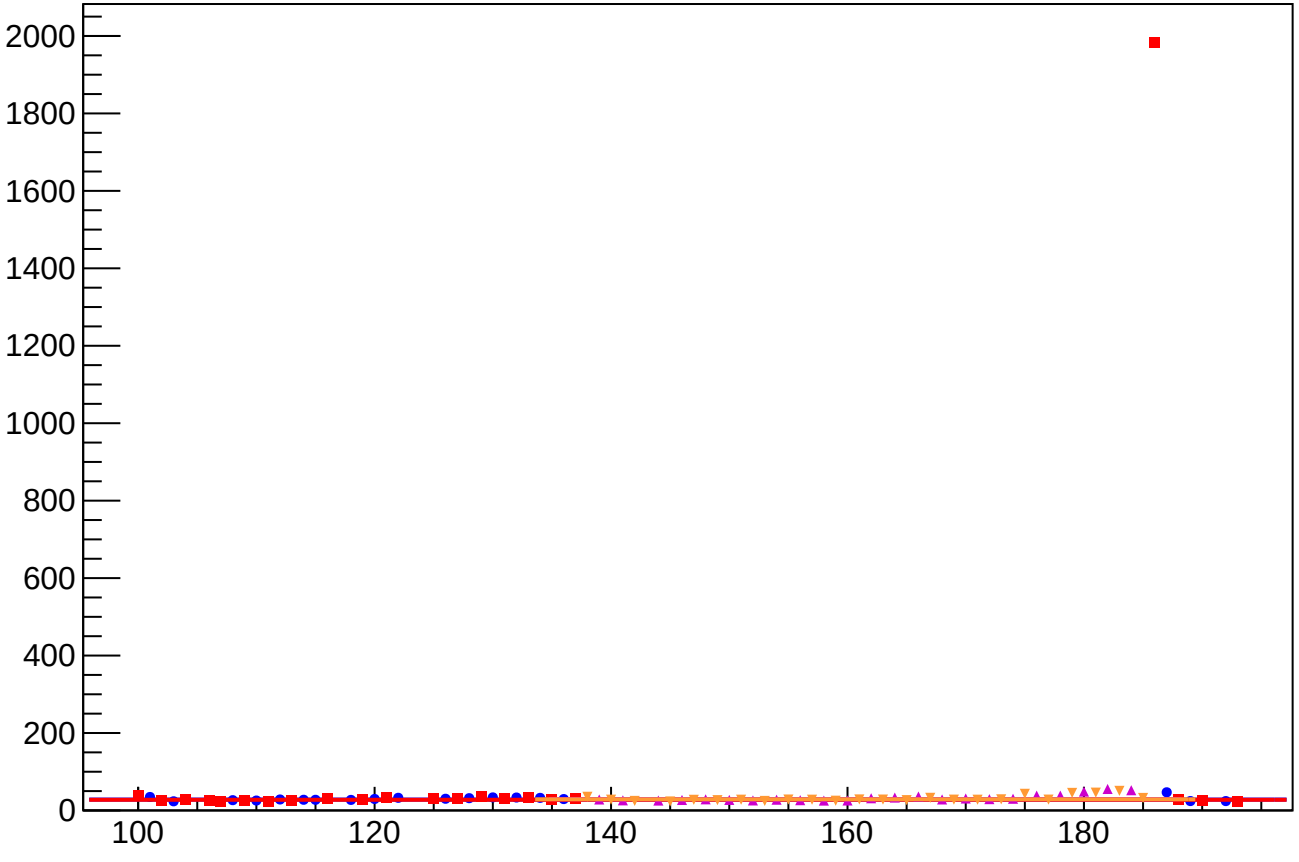
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

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

All: -0.002+/-0.004 χ^2/NDF: 89.5/87

- sign 0.000+/-0.006 χ^2/NDF: 50.9/44

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: 27.547+/-0.007 χ^2/NDF: 1020899.0/21

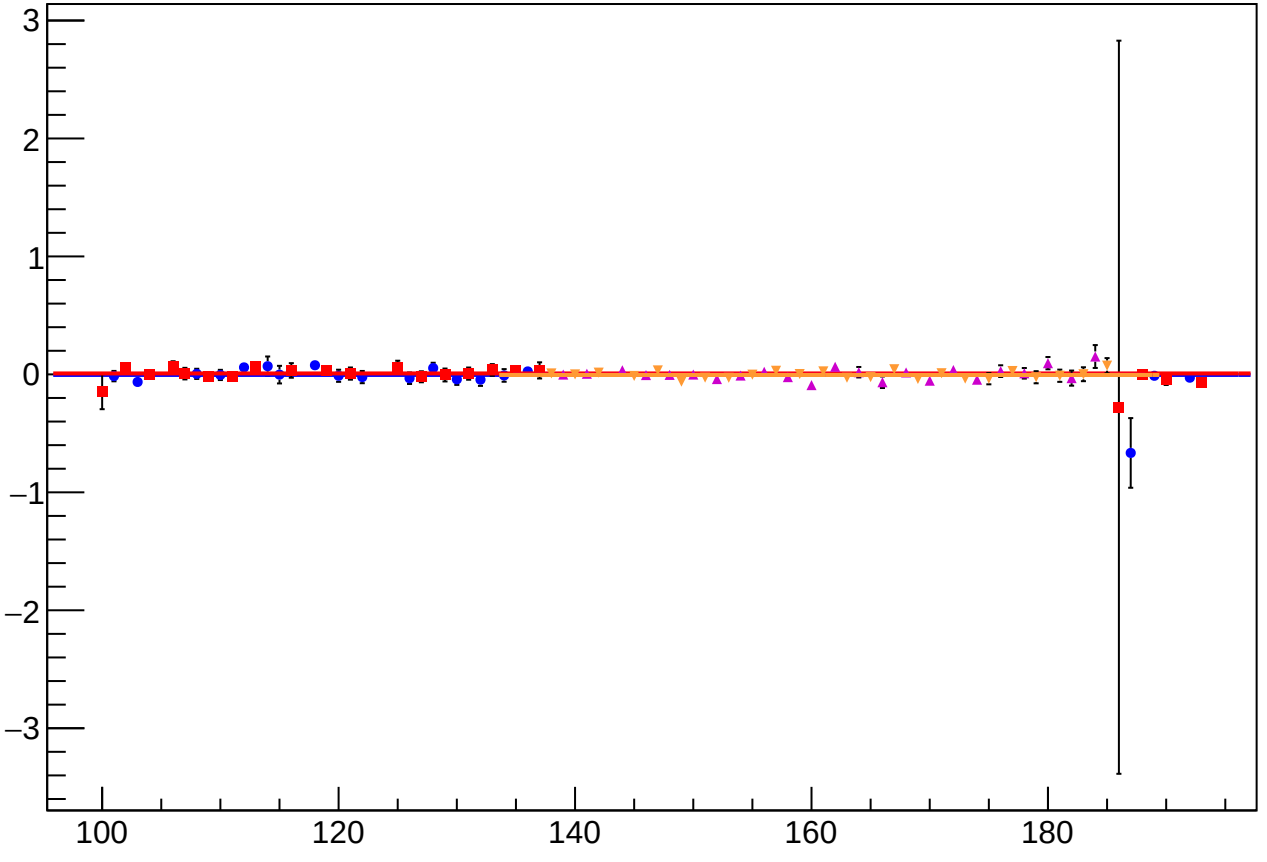
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

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

All: 28.595+/-0.003 χ^2/NDF: 3646325.0/87

- sign 28.632+/-0.004 χ^2/NDF: 2202527.6/44

asym_us_dd_overload_cor_vs_eigen_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: 0.008+/-0.009 χ^2/NDF: 18.7/21

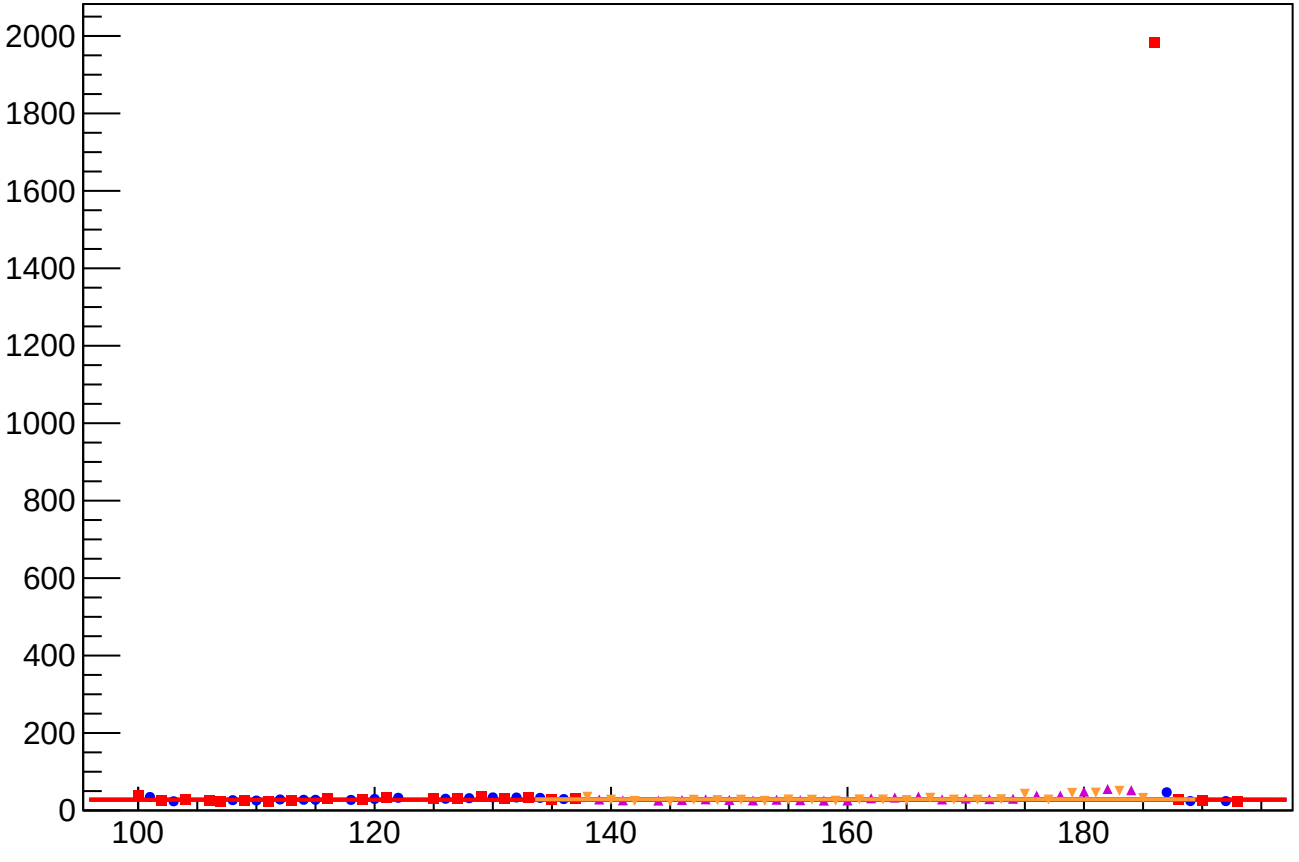
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

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

All: -0.002+/-0.004 χ^2/NDF: 89.5/87

- sign 0.000+/-0.006 χ^2/NDF: 50.9/44

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: 27.547+/-0.007 χ^2/NDF: 1020899.0/21

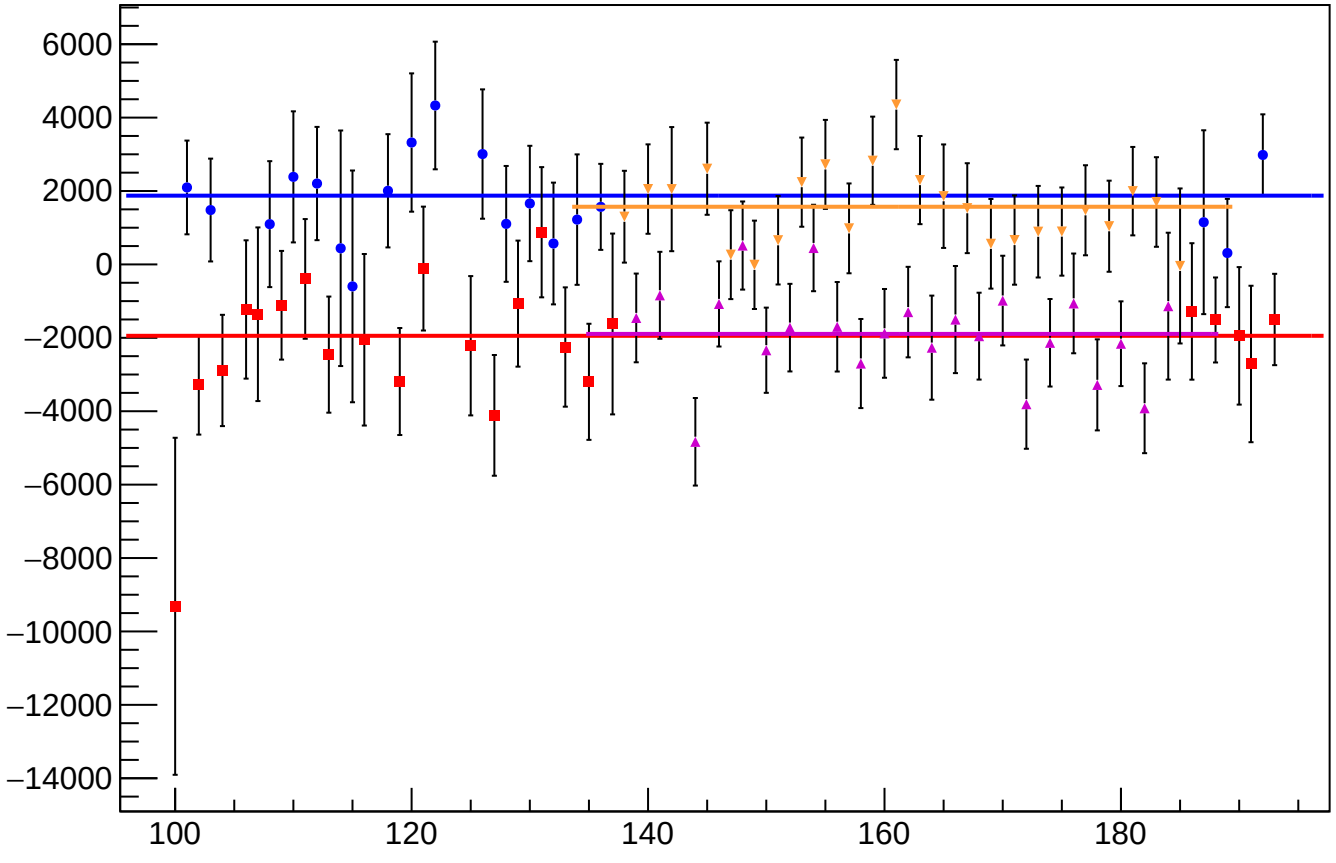
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

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

All: 28.595+/-0.003 χ^2/NDF: 3646325.0/87

- sign 28.632+/-0.004 χ^2/NDF: 2202527.6/44

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: -1945.089+/-350.142 χ^2/NDF: 13.1/22

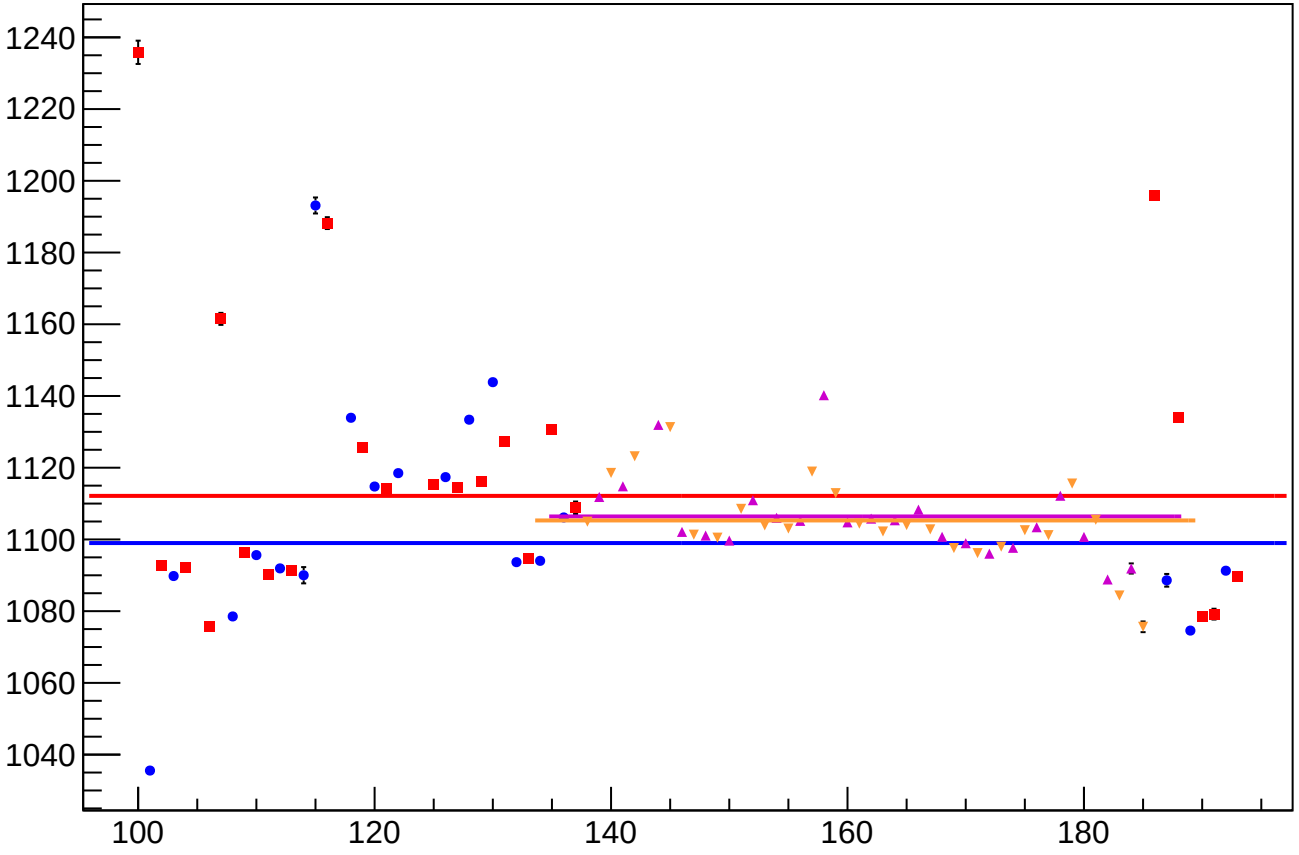
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -142.219+/-147.872 χ^2/NDF: 207.3/88

- sign -1911.585+/-207.881 χ^2/NDF: 37.2/45

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: 1112.144+/-0.248 χ^2/NDF: 14286.1/22

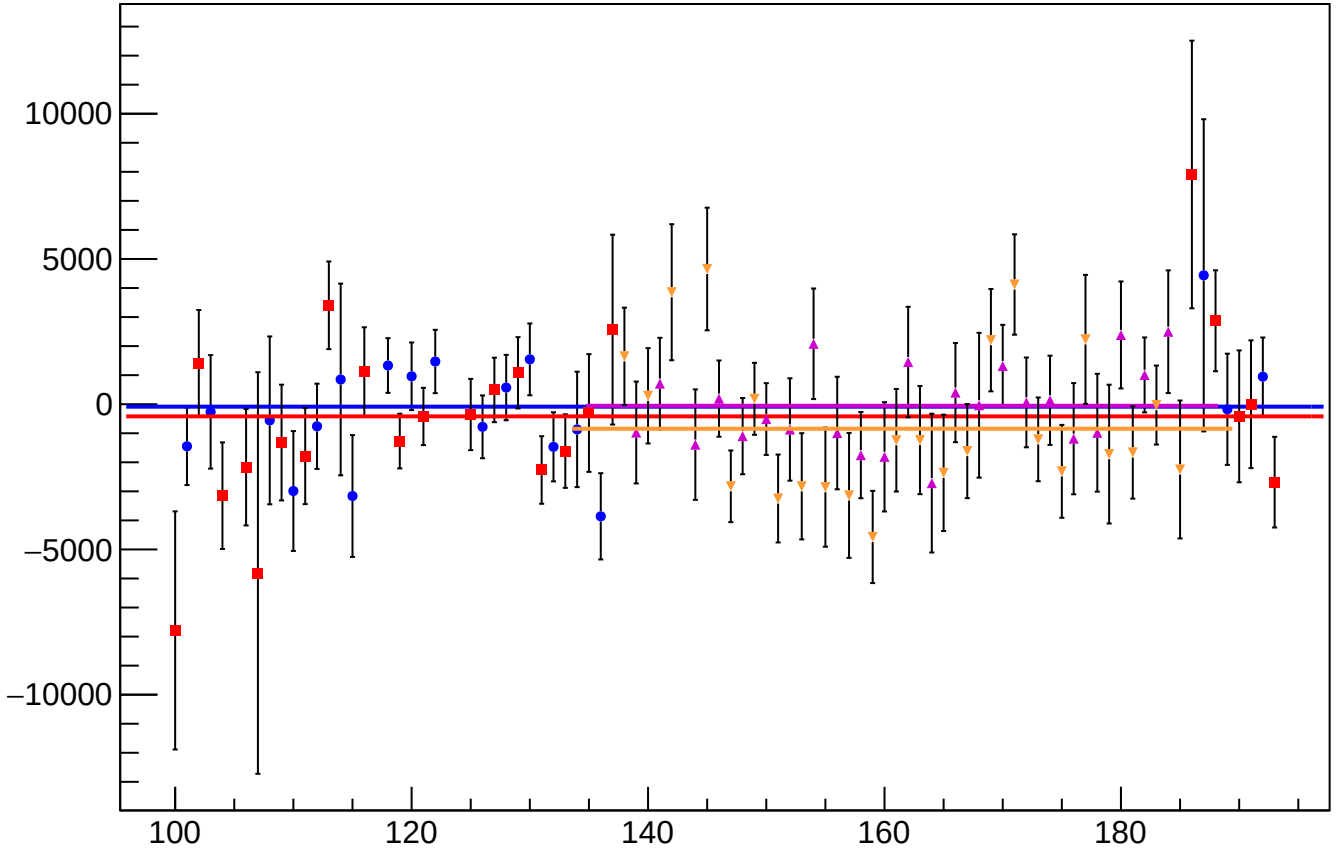
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

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

All: 1105.860+/-0.105 χ^2/NDF: 34736.1/88

- sign 1108.428+/-0.147 χ^2/NDF: 18410.4/45

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: -419.074+/-322.938 χ^2/NDF: 32.3/22

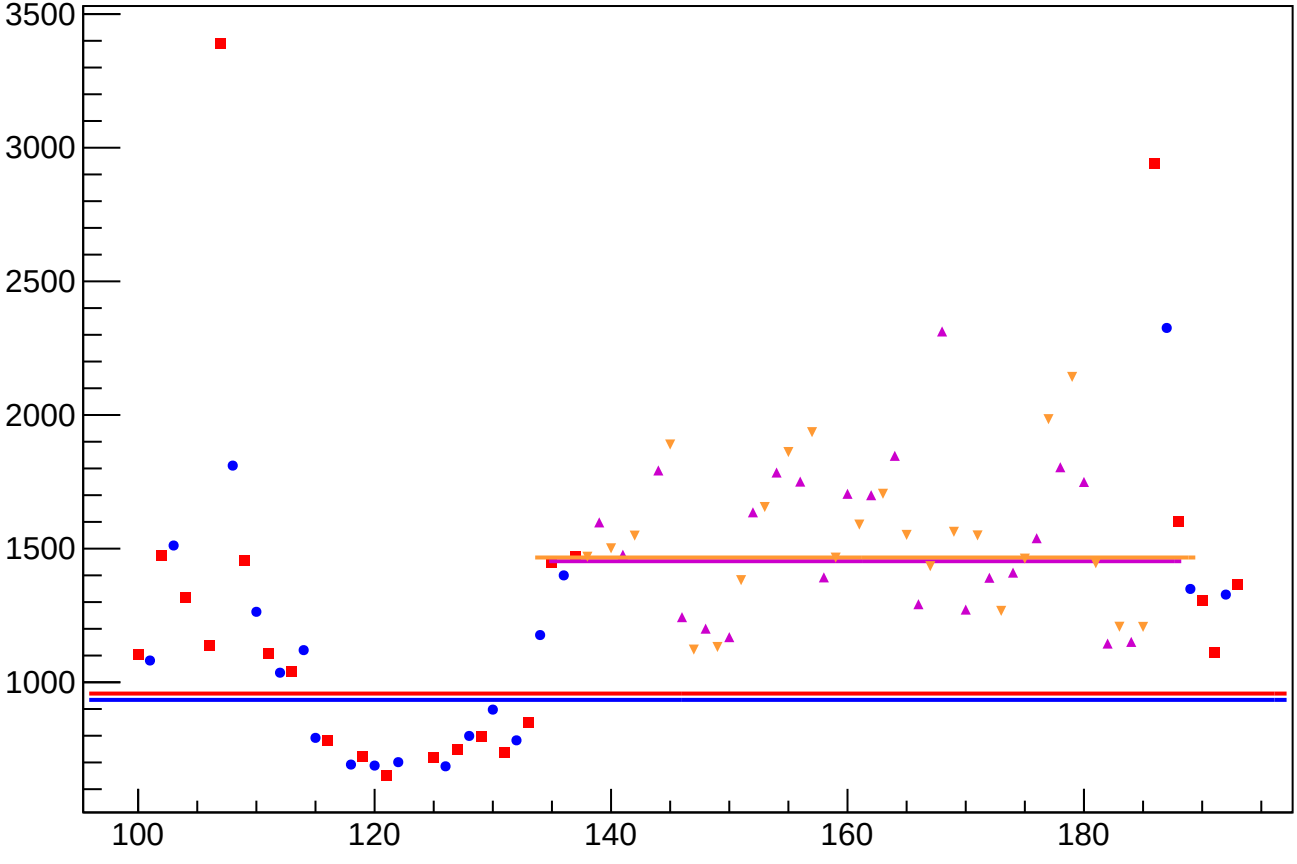
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

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

All: -345.442+/-167.907 χ^2/NDF: 115.4/88

- sign -249.250+/-236.072 χ^2/NDF: 46.0/45

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: 957.746+/-0.228 χ^2/NDF: 2261718.3/22

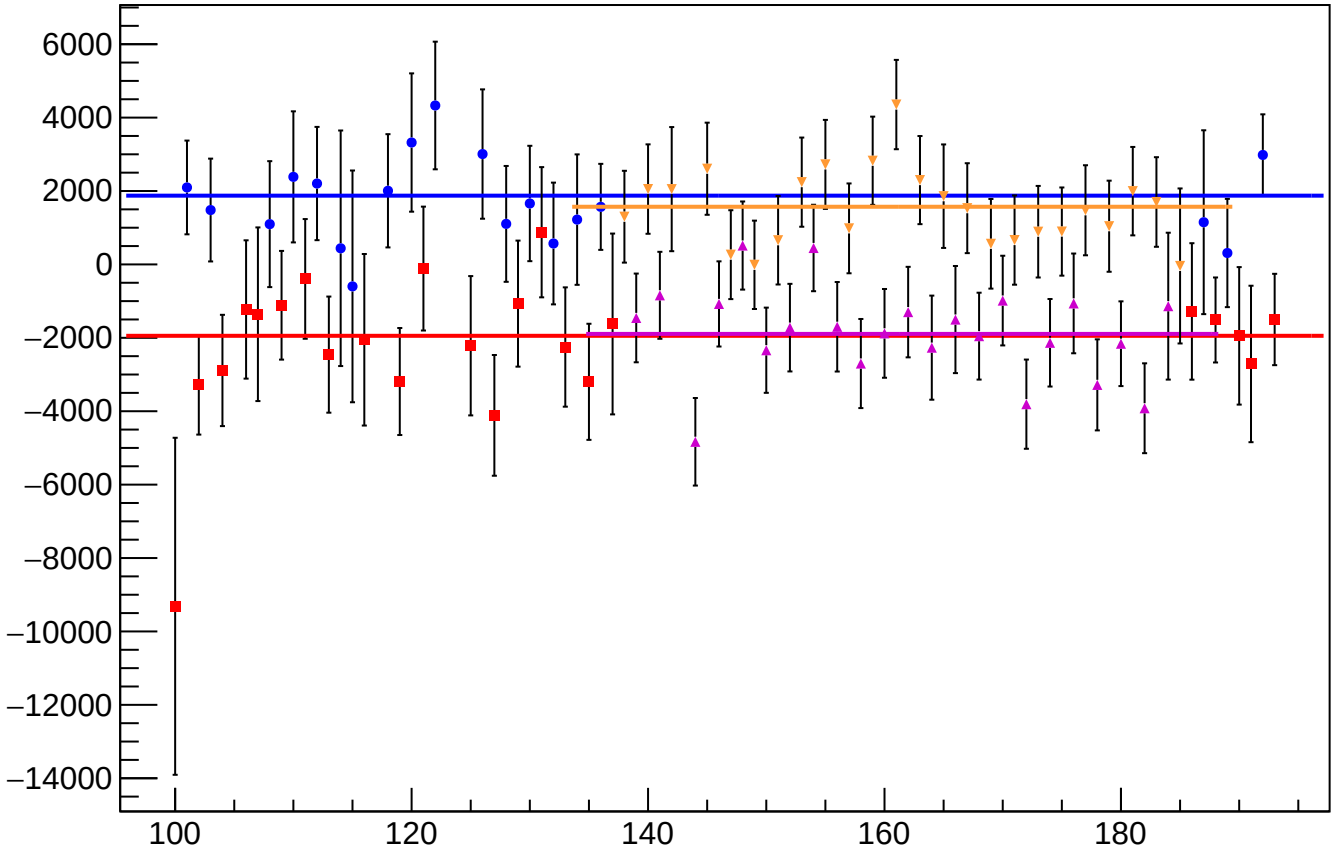
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

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

All: 1187.201+/-0.119 χ^2/NDF: 10670532.3/8

- sign 1188.338+/-0.167 χ^2/NDF: 5581311.8/45

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: -1945.075+/-350.142 χ^2/NDF: 13.1/22

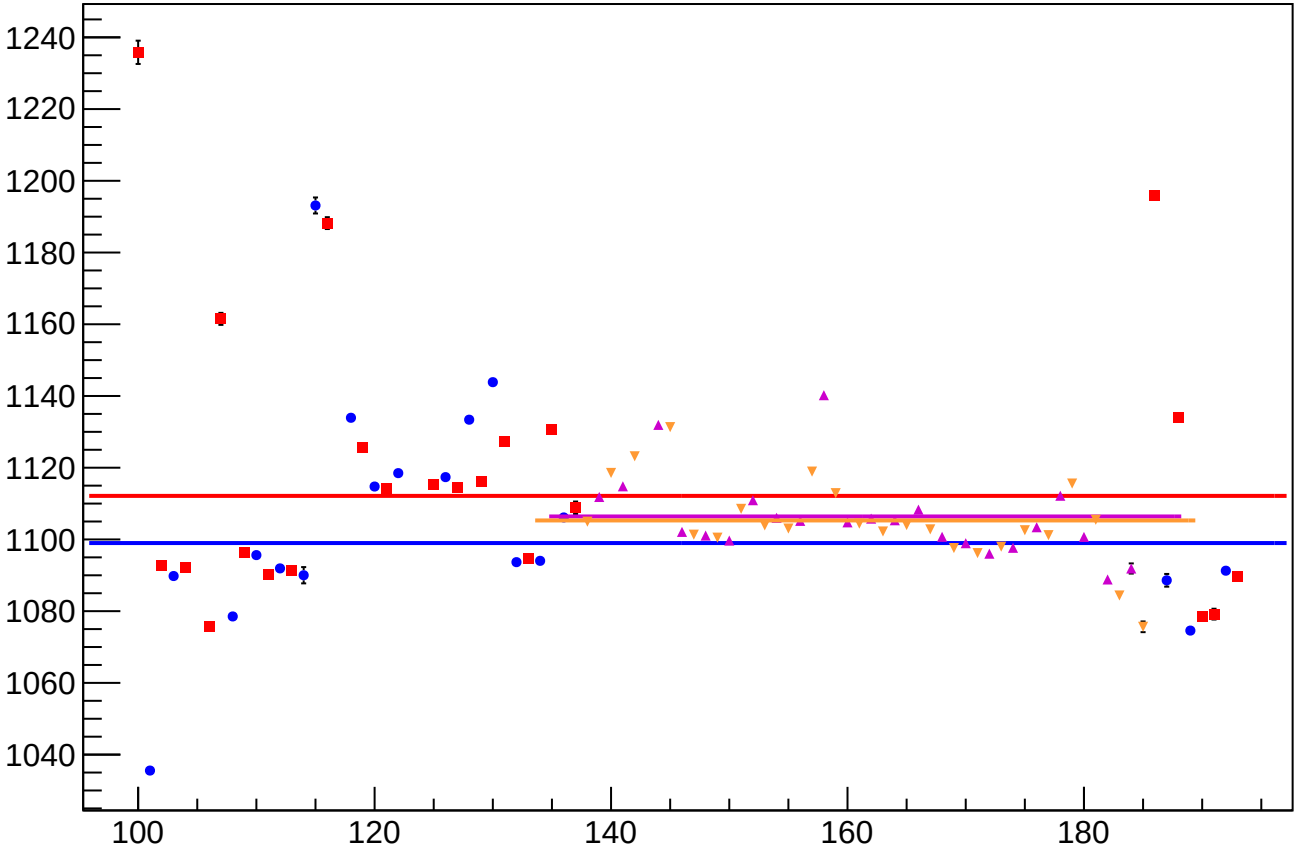
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -142.217+/-147.872 χ^2/NDF: 207.3/88

- sign -1911.580+/-207.881 χ^2/NDF: 37.2/45

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

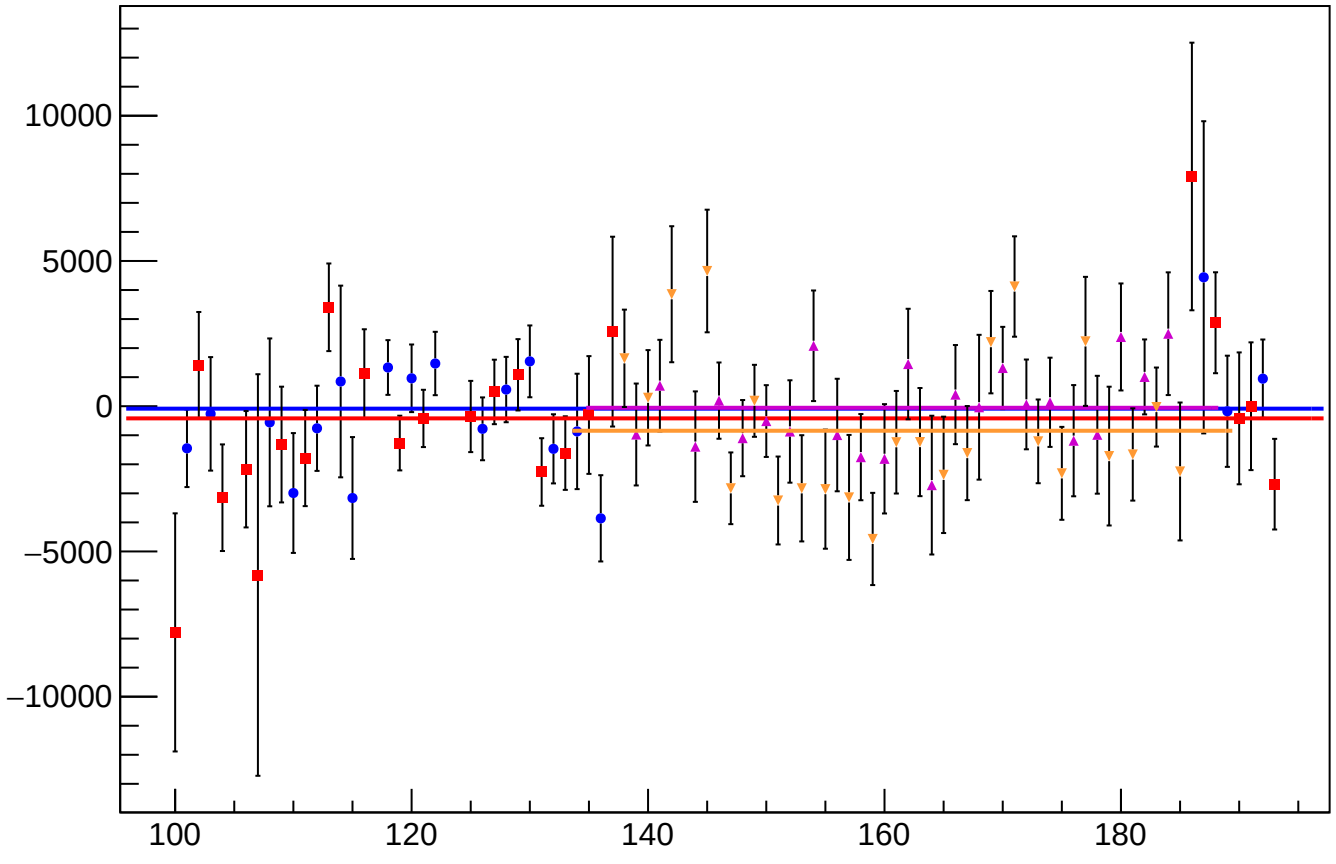
Right Out: 1112.144+/-0.248 χ^2/NDF: 14286.1/22

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

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

All: 1105.860+/-0.105 χ^2/NDF: 34736.1/88

- sign 1108.428+/-0.147 χ^2/NDF: 18410.4/45



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

Right Out: -419.074+/-322.938 χ^2/NDF: 32.3/22

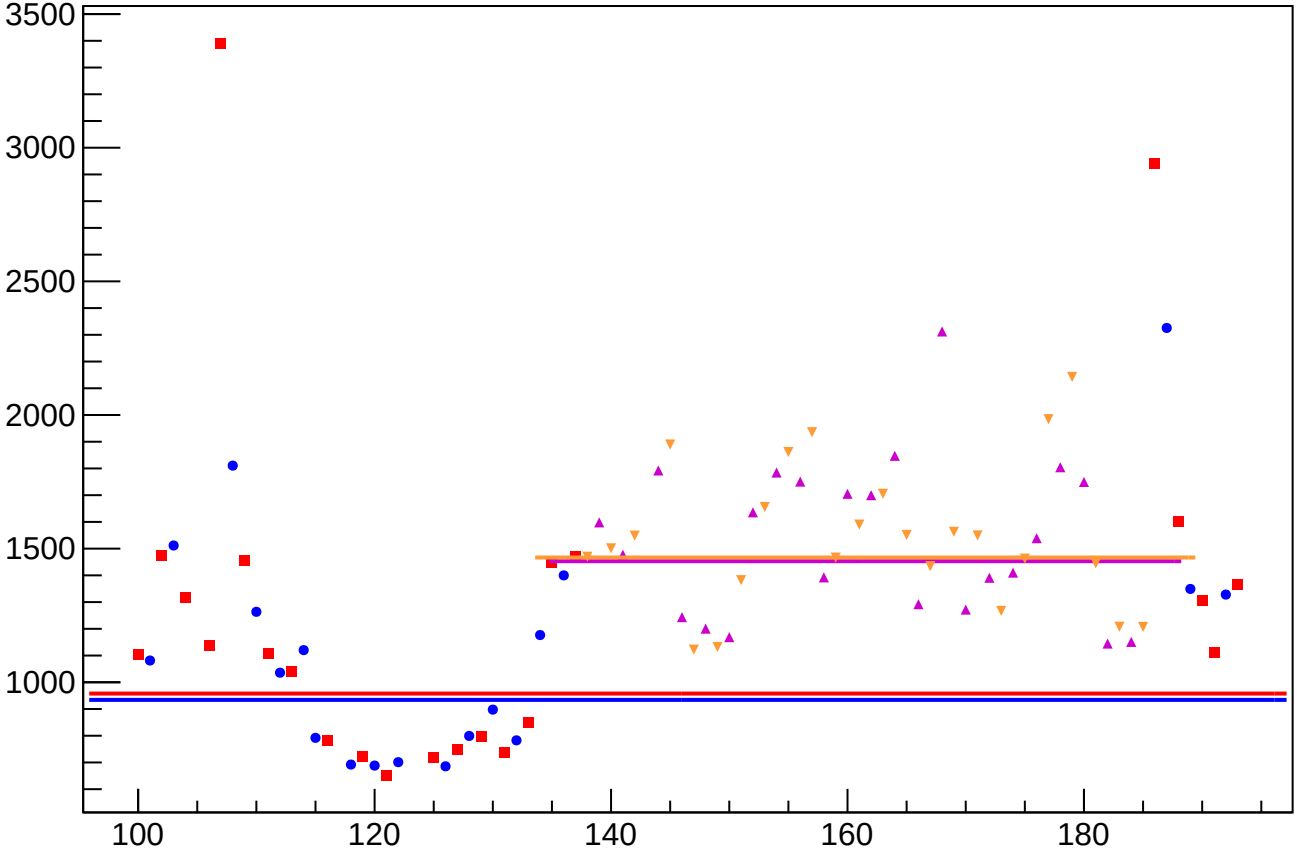
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

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

All: -345.442+/-167.907 χ^2/NDF: 115.4/88

- sign -249.250+/-236.072 χ^2/NDF: 46.0/45

asym_usl_cor_correction_rms vs Slug



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

Right Out: 957.746+/-0.228 χ^2/NDF: 2261716.9/22

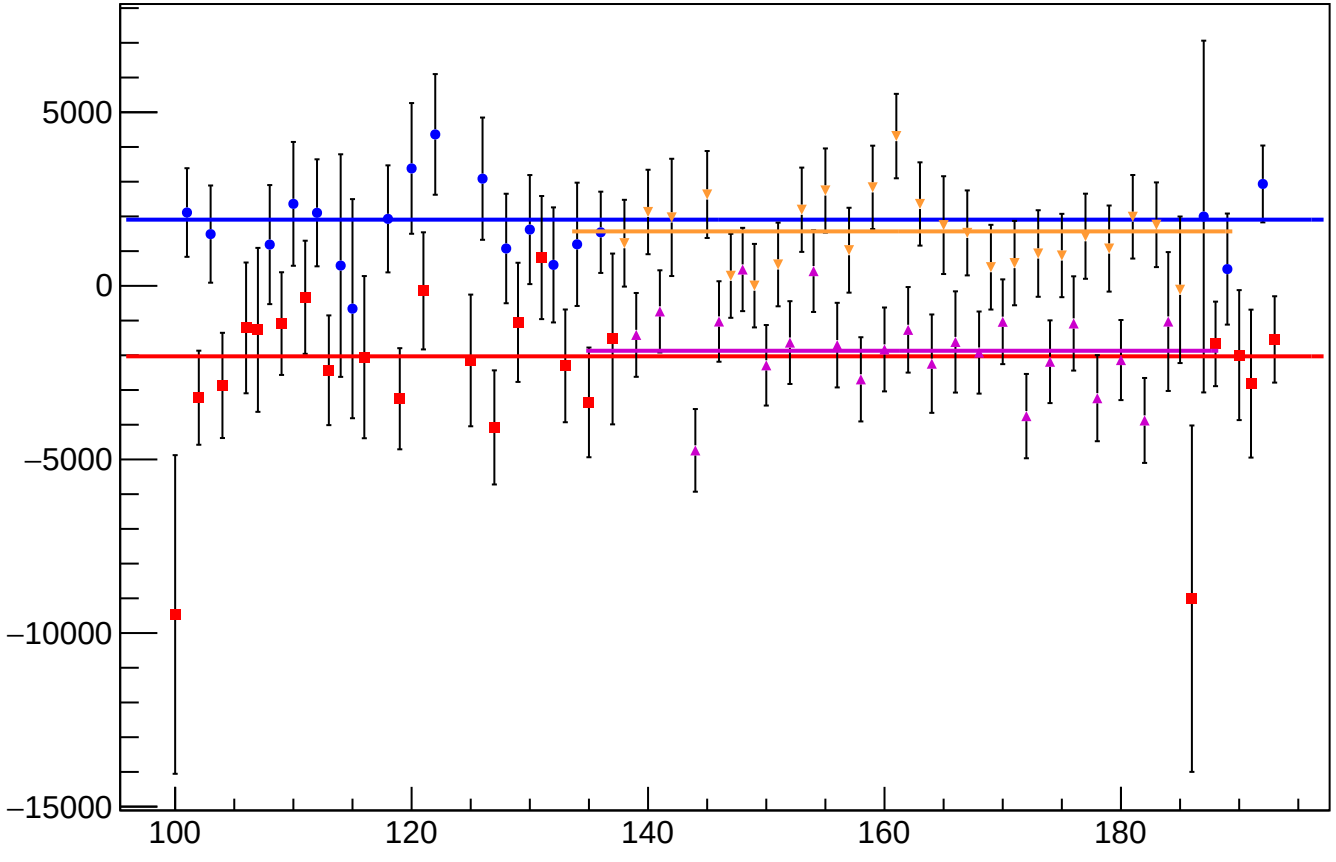
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

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

All: 1187.201+/-0.119 χ^2/NDF: 10670533.2/8

- sign 1188.338+/-0.167 χ^2/NDF: 5581312.7/45

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: -2029.824+/-356.955 χ^2/NDF: 15.1/22

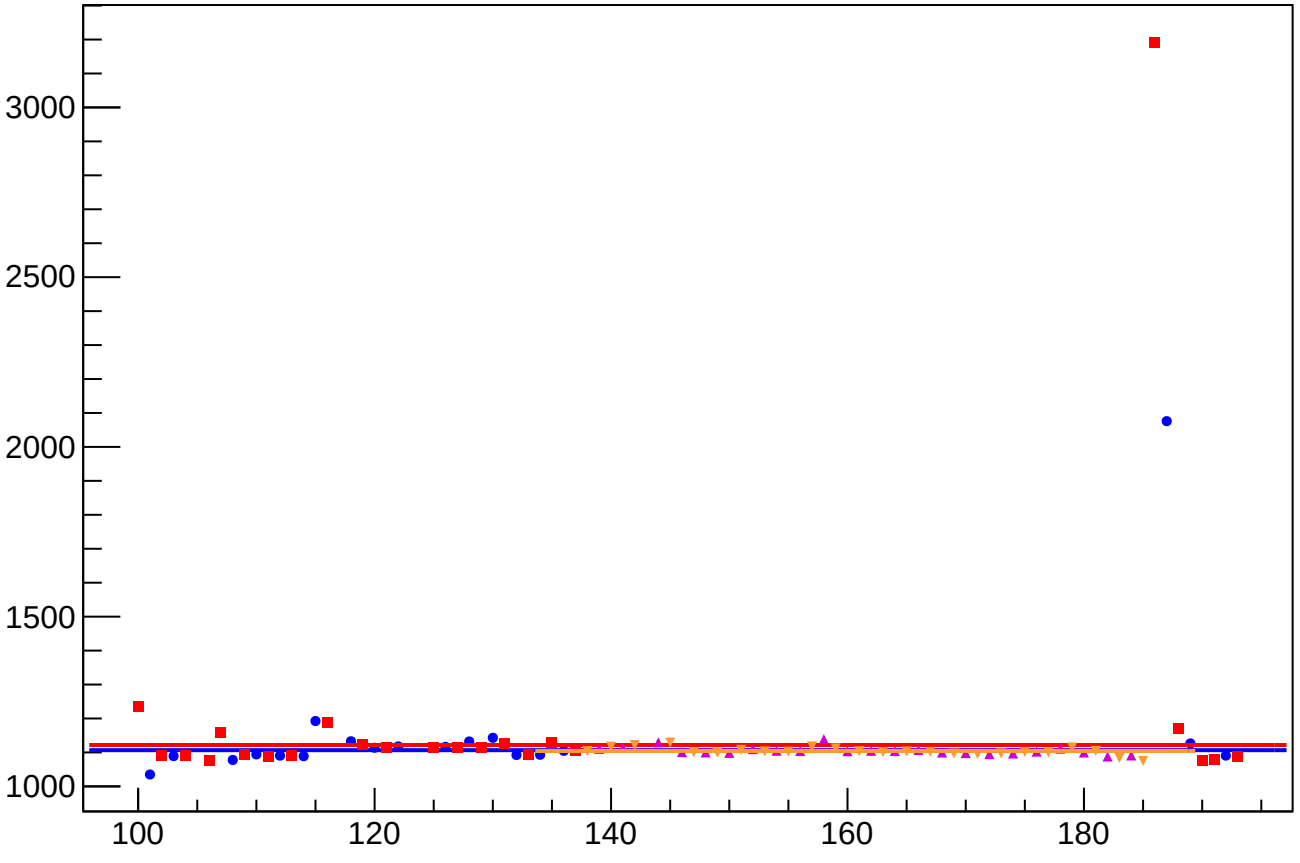
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

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

All: -140.042+/-148.572 χ^2/NDF: 208.6/88

- sign -1924.439+/-209.153 χ^2/NDF: 38.6/45

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: 1121.903+/-0.252 χ^2/NDF: 359978.0/22

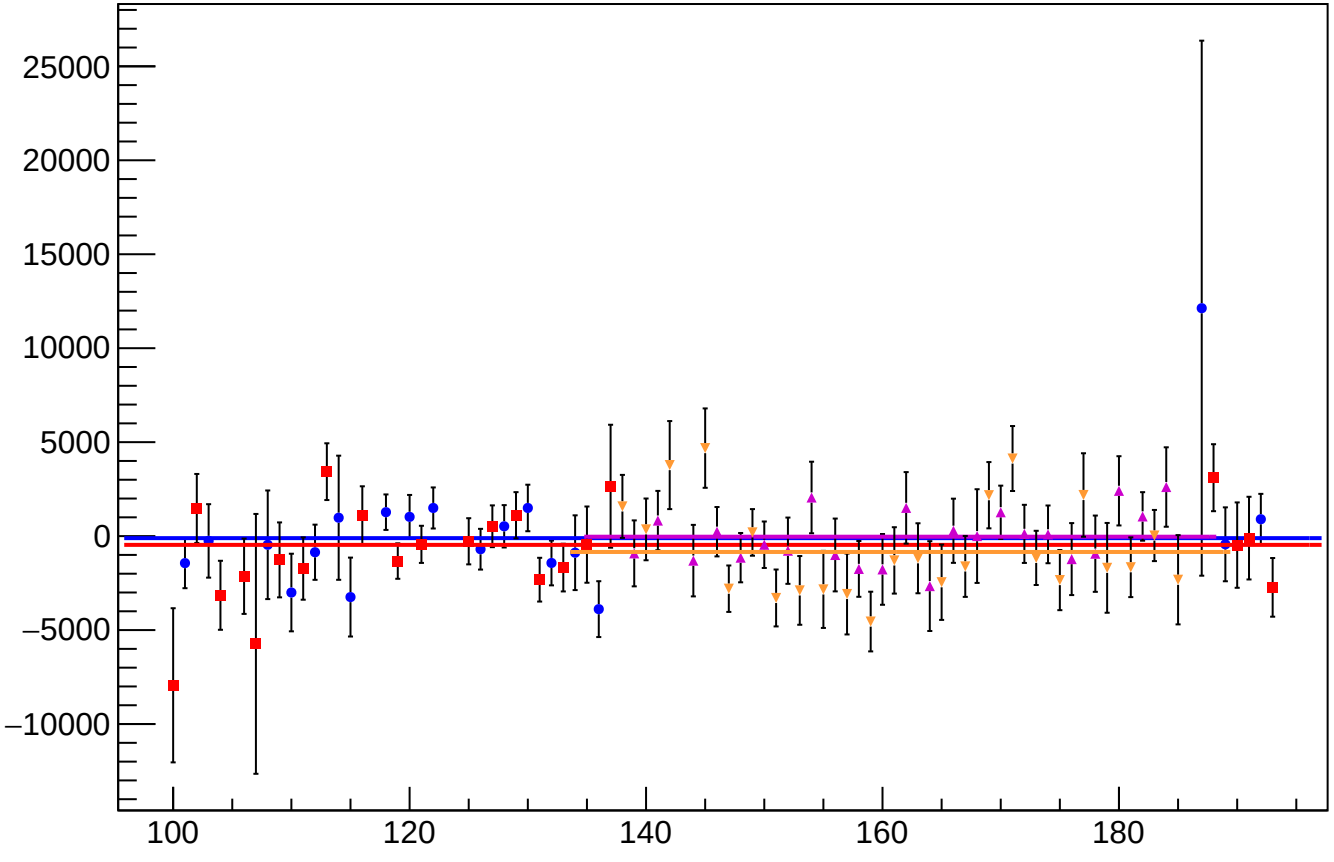
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

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

All: 1108.073+/-0.105 χ^2/NDF: 455925.6/88

- sign 1111.053+/-0.148 χ^2/NDF: 366452.9/45

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: -465.805+/-324.447 χ^2/NDF: 30.1/21

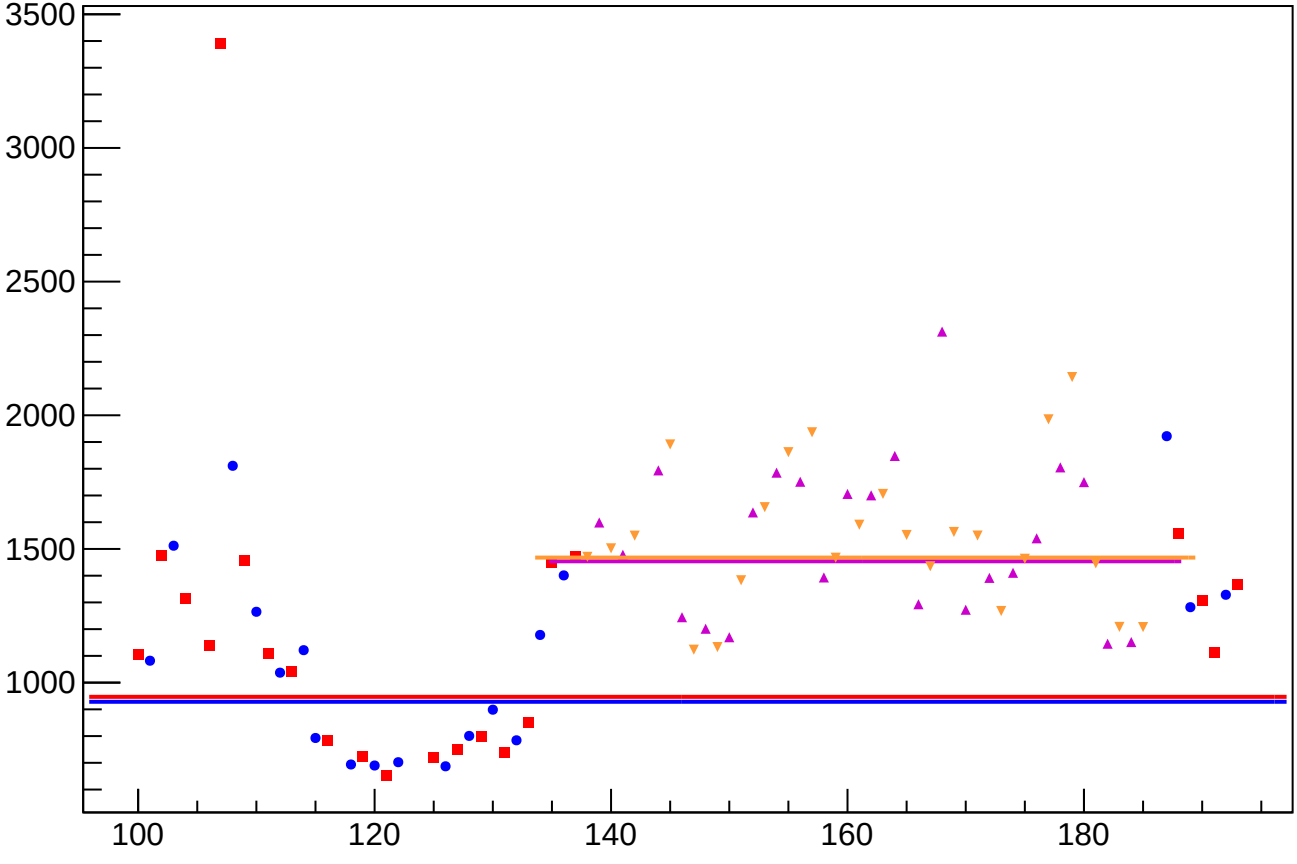
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

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

All: -358.582+/-168.330 χ^2/NDF: 113.0/87

\- sign -262.644+/-236.721 χ^2/NDF: 44.0/44

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: 946.838+/-0.229 χ^2/NDF: 1834319.3/21

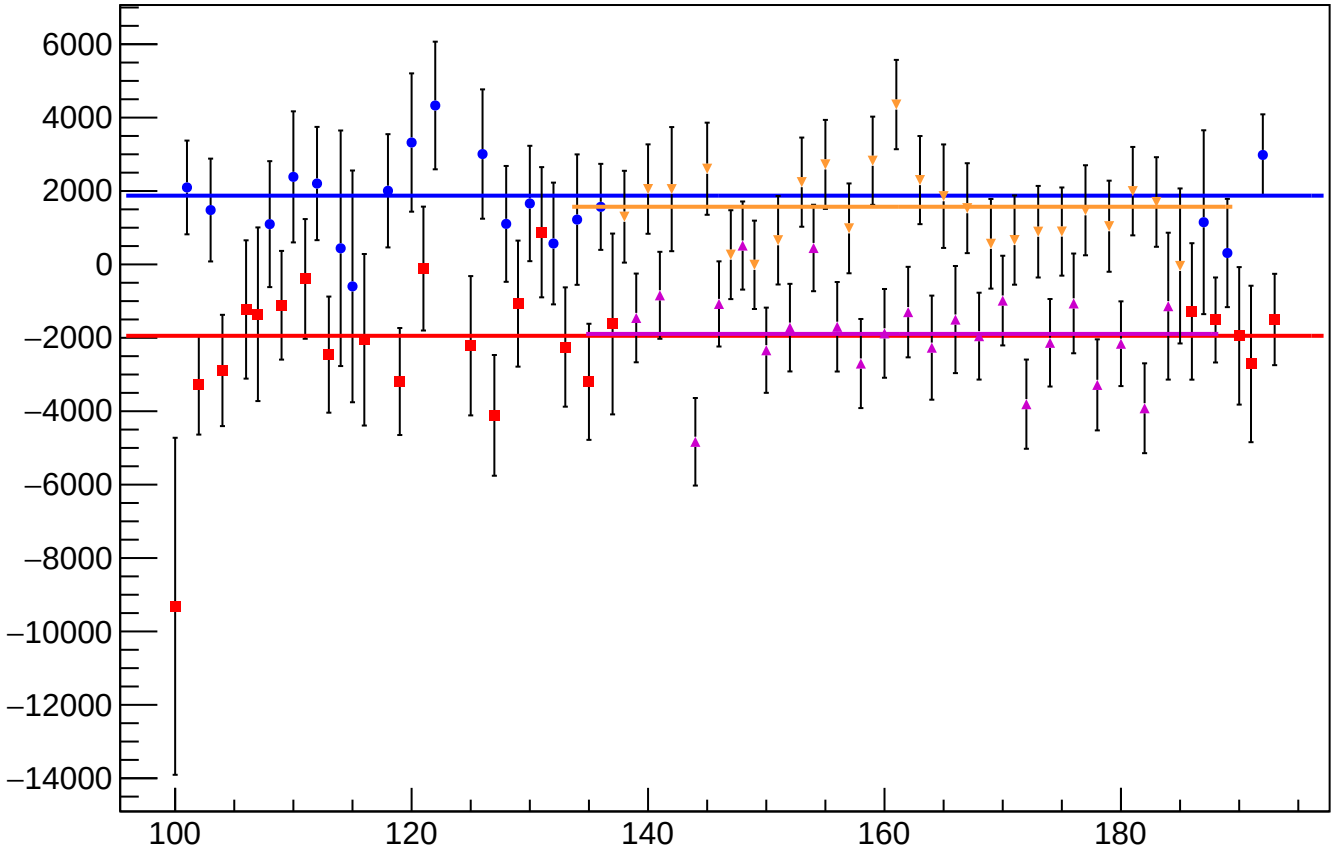
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

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

All: 1184.122+/-0.119 χ^2/NDF: 10222229.3/8

- sign 1183.941+/-0.167 χ^2/NDF: 5246251.3/44

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: -1945.075+/-350.142 χ^2/NDF: 13.1/22

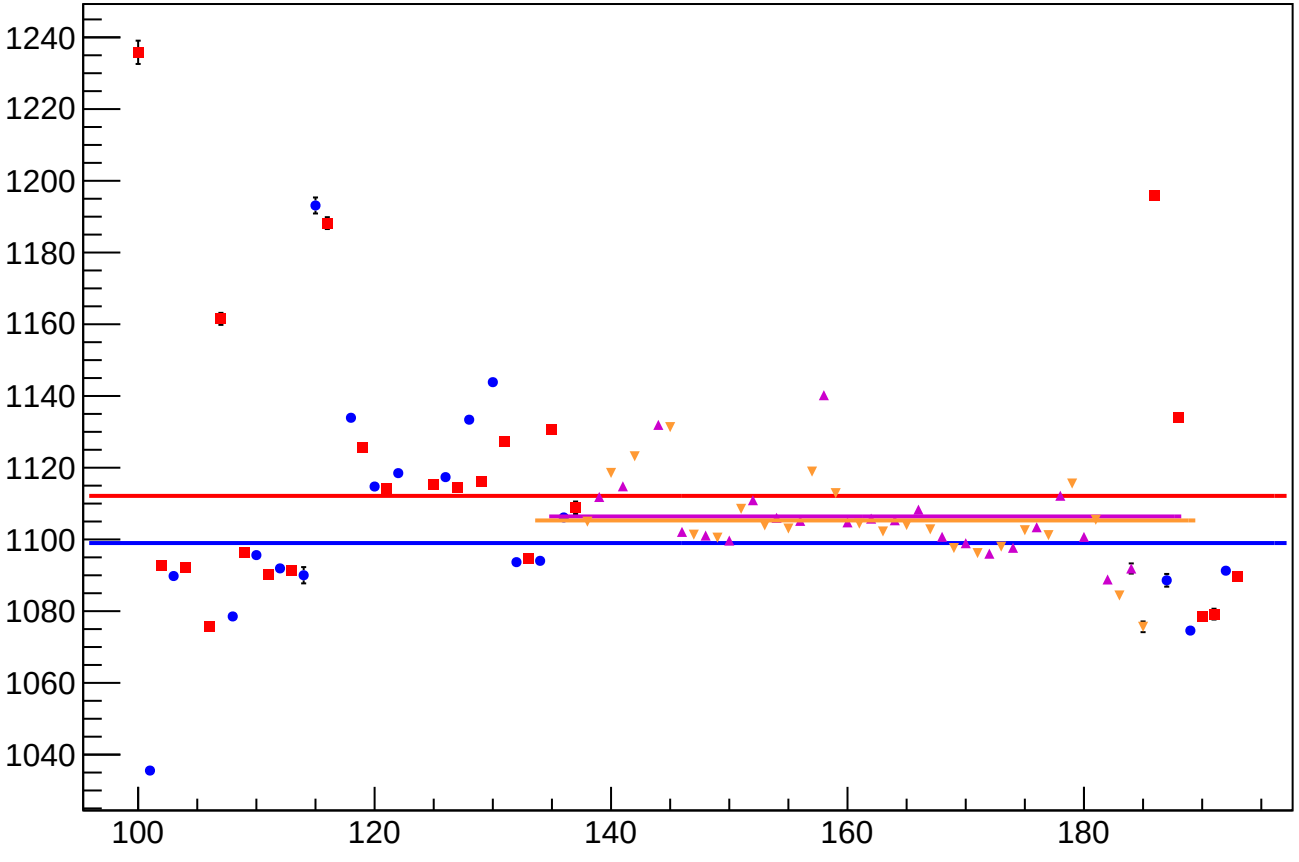
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -142.217+/-147.872 χ^2/NDF: 207.3/88

- sign -1911.580+/-207.881 χ^2/NDF: 37.2/45

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

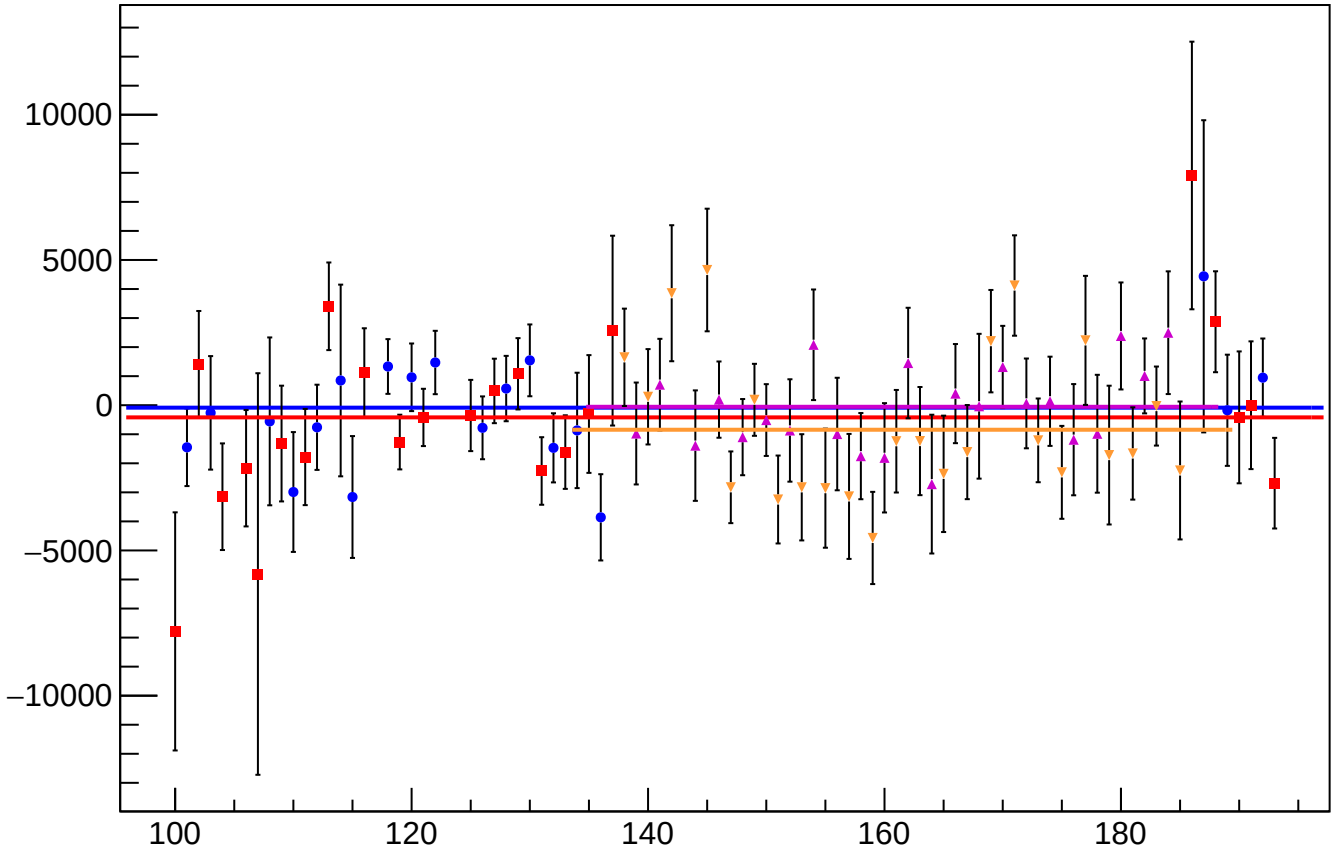
Right Out: 1112.144+/-0.248 χ^2/NDF: 14286.1/22

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

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

All: 1105.860+/-0.105 χ^2/NDF: 34736.1/88

- sign 1108.428+/-0.147 χ^2/NDF: 18410.4/45



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

Right Out: -419.074+/-322.938 χ^2/NDF: 32.3/22

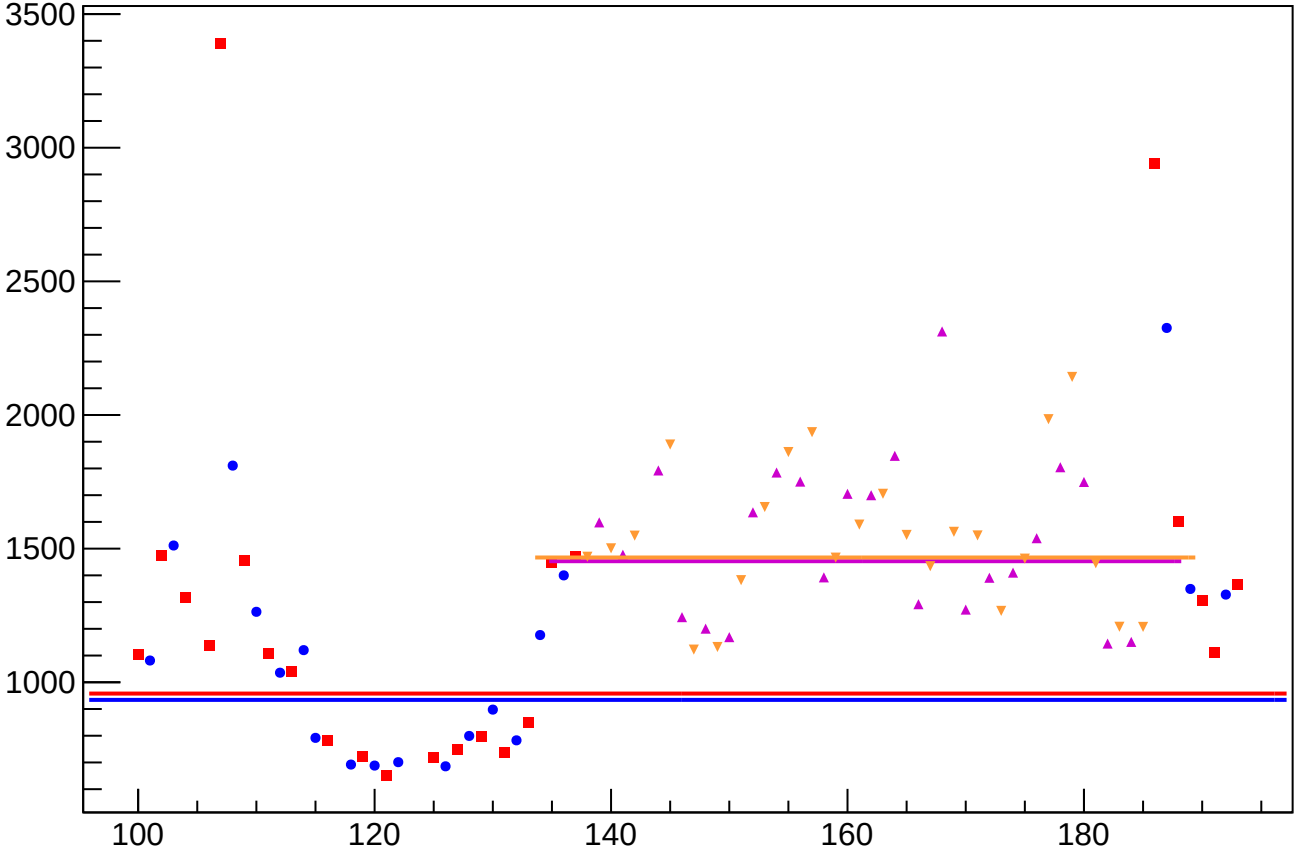
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

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

All: -345.442+/-167.907 χ^2/NDF: 115.4/88

- sign -249.250+/-236.072 χ^2/NDF: 46.0/45

asym_usl_eigen_cor_correction_rms vs Slug



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

Right Out: 957.746+/-0.228 χ^2/NDF: 2261716.9/22

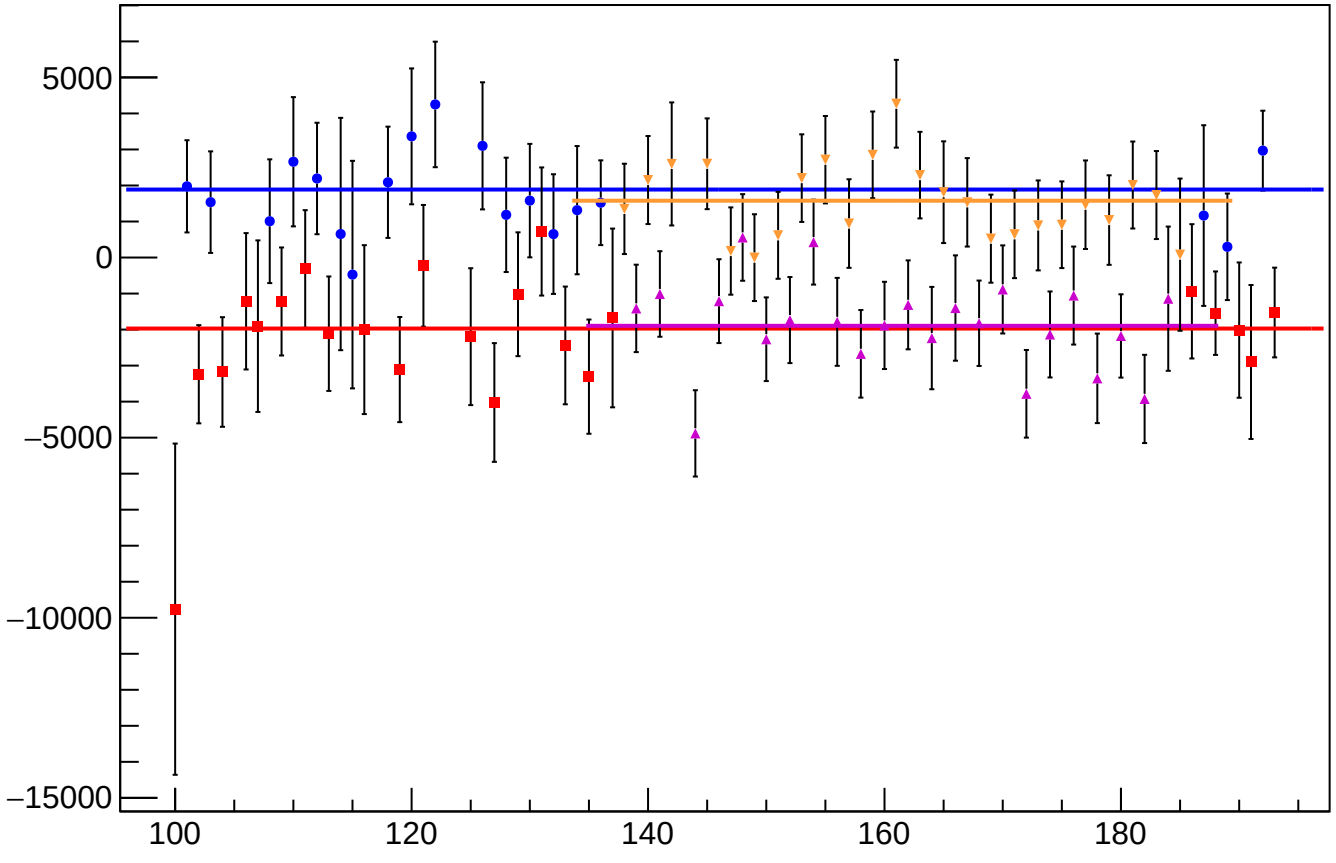
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

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

All: 1187.201+/-0.119 χ^2/NDF: 10670533.2/8

- sign 1188.338+/-0.167 χ^2/NDF: 5581312.7/45

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: -1971.099+/-351.233 χ^2/NDF: 13.2/22

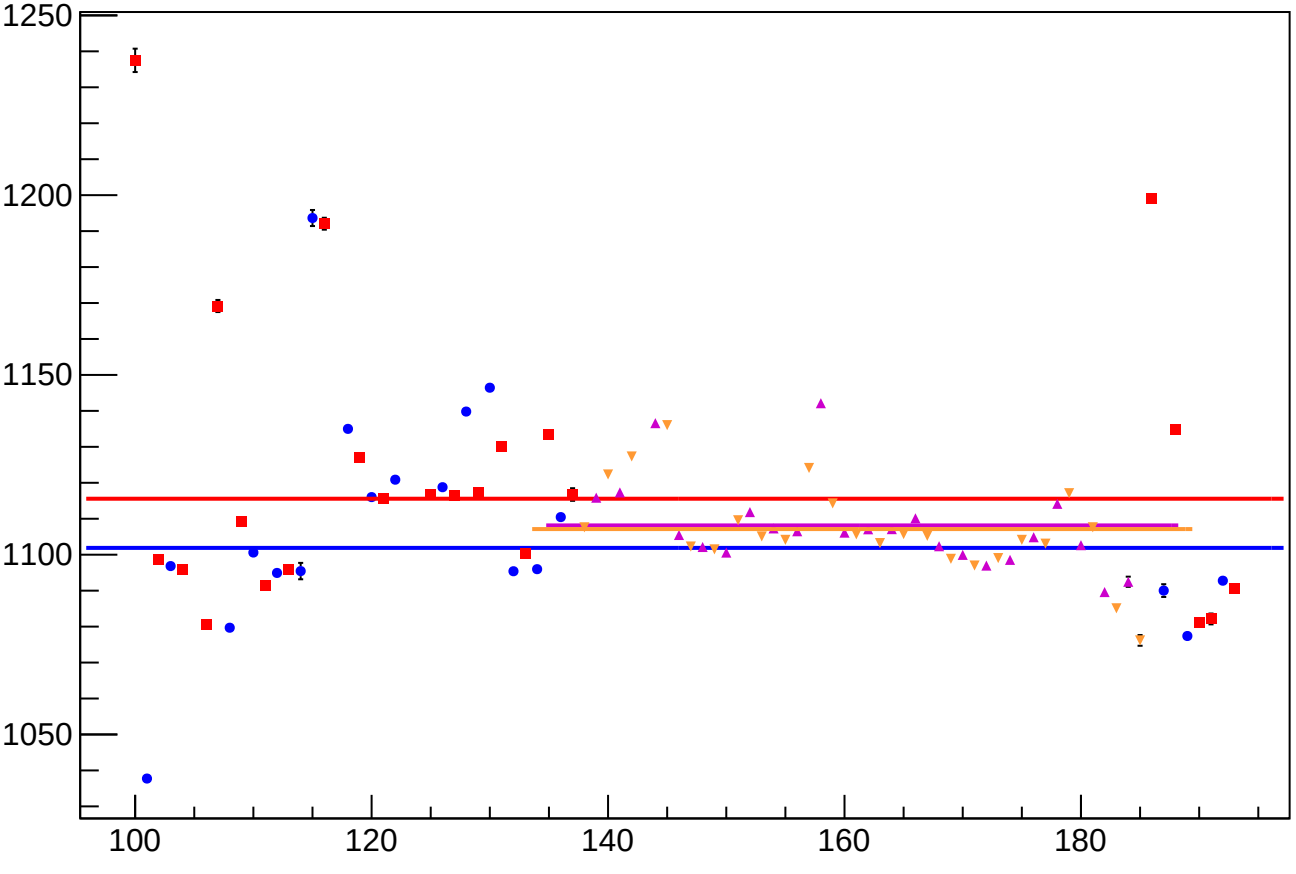
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

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

All: -143.133+/-148.184 χ^2/NDF: 208.3/88

- sign -1922.126+/-208.323 χ^2/NDF: 37.3/45

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: 1115.569+/-0.248 χ^2/NDF: 13865.6/22

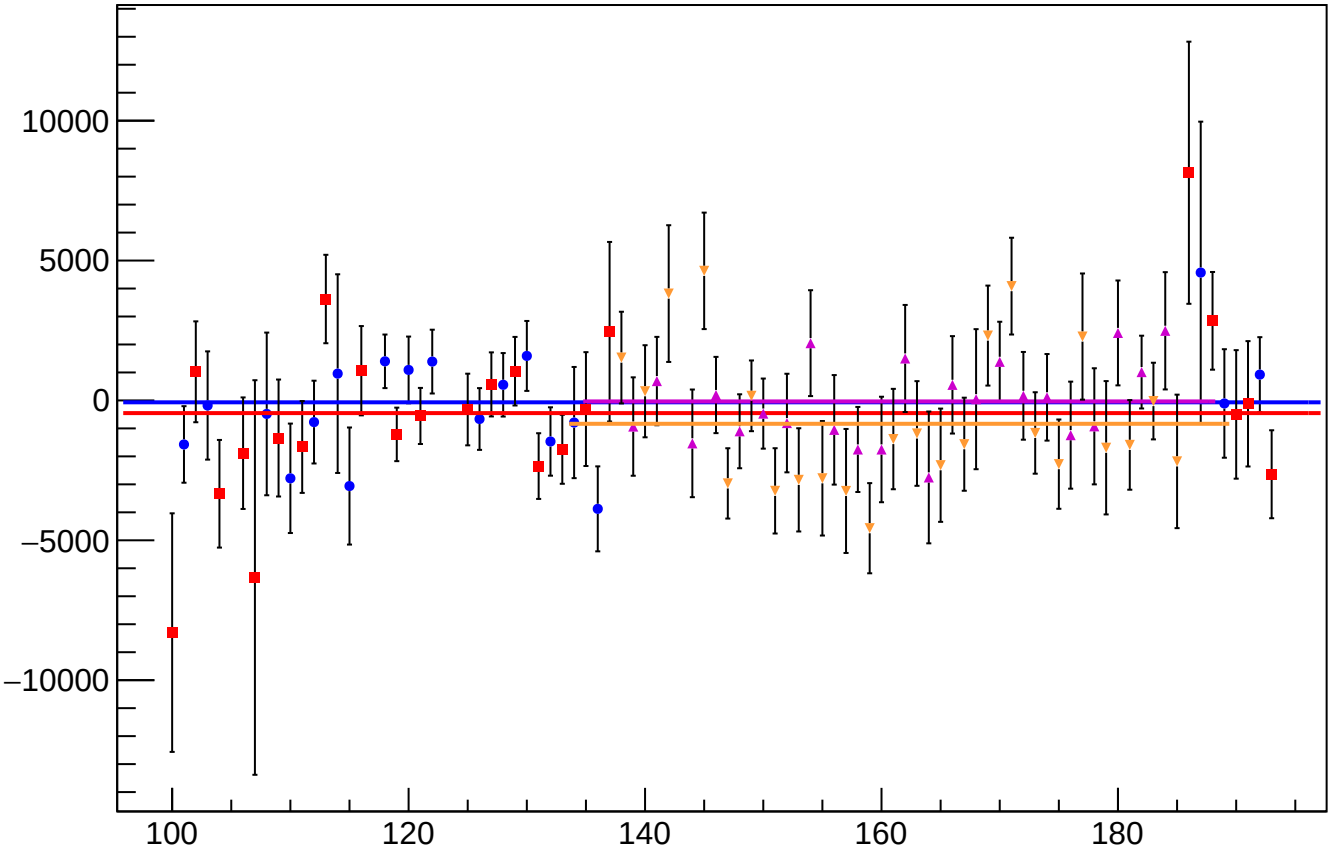
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

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

All: 1108.118+/-0.105 χ^2/NDF: 35542.2/88

- sign 1110.757+/-0.147 χ^2/NDF: 18635.3/45

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: -452.869+/-327.721 χ^2/NDF: 32.2/22

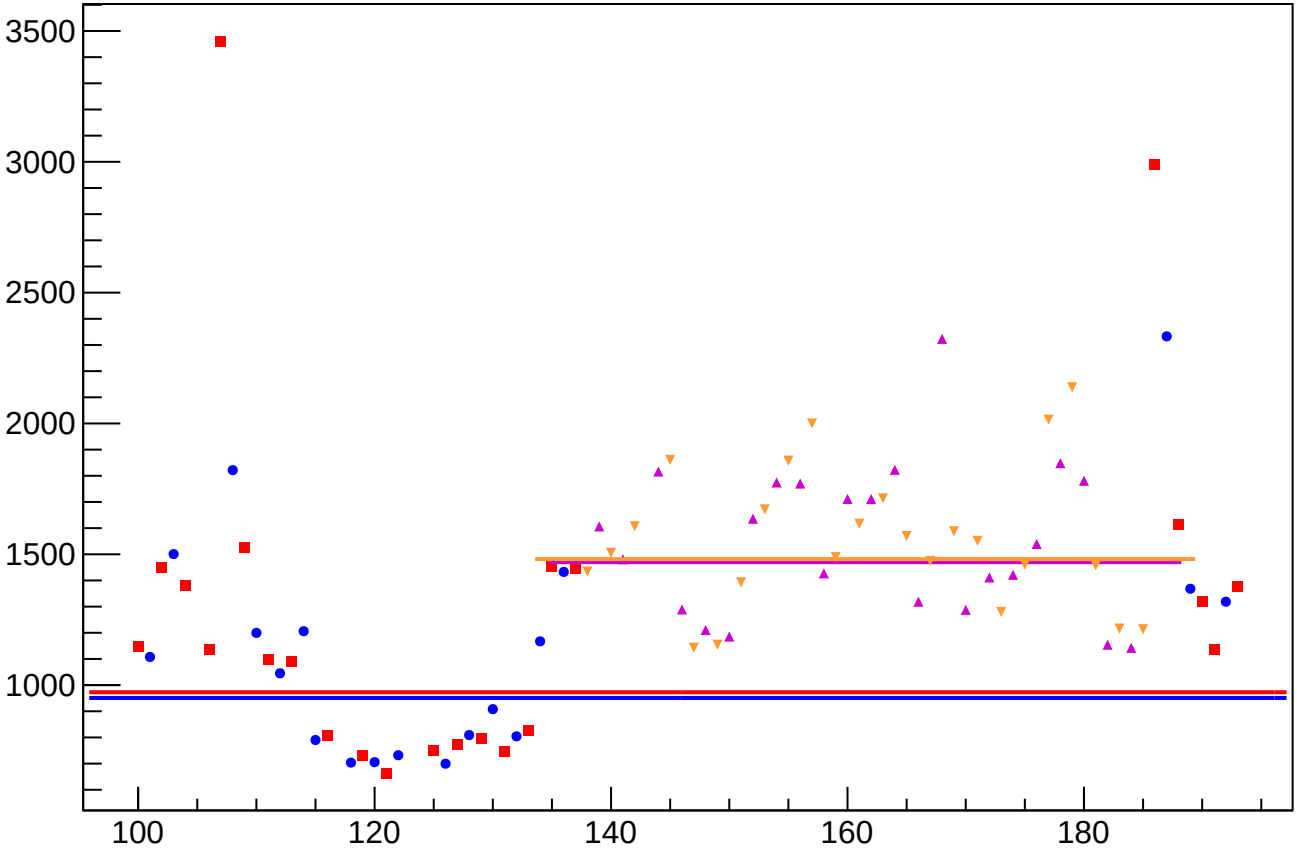
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

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

All: -344.271+/-170.040 χ^2/NDF: 114.2/88

- sign -257.682+/-239.106 χ^2/NDF: 46.1/45

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: 972.809+/-0.232 χ^2/NDF: 2243860.9/22

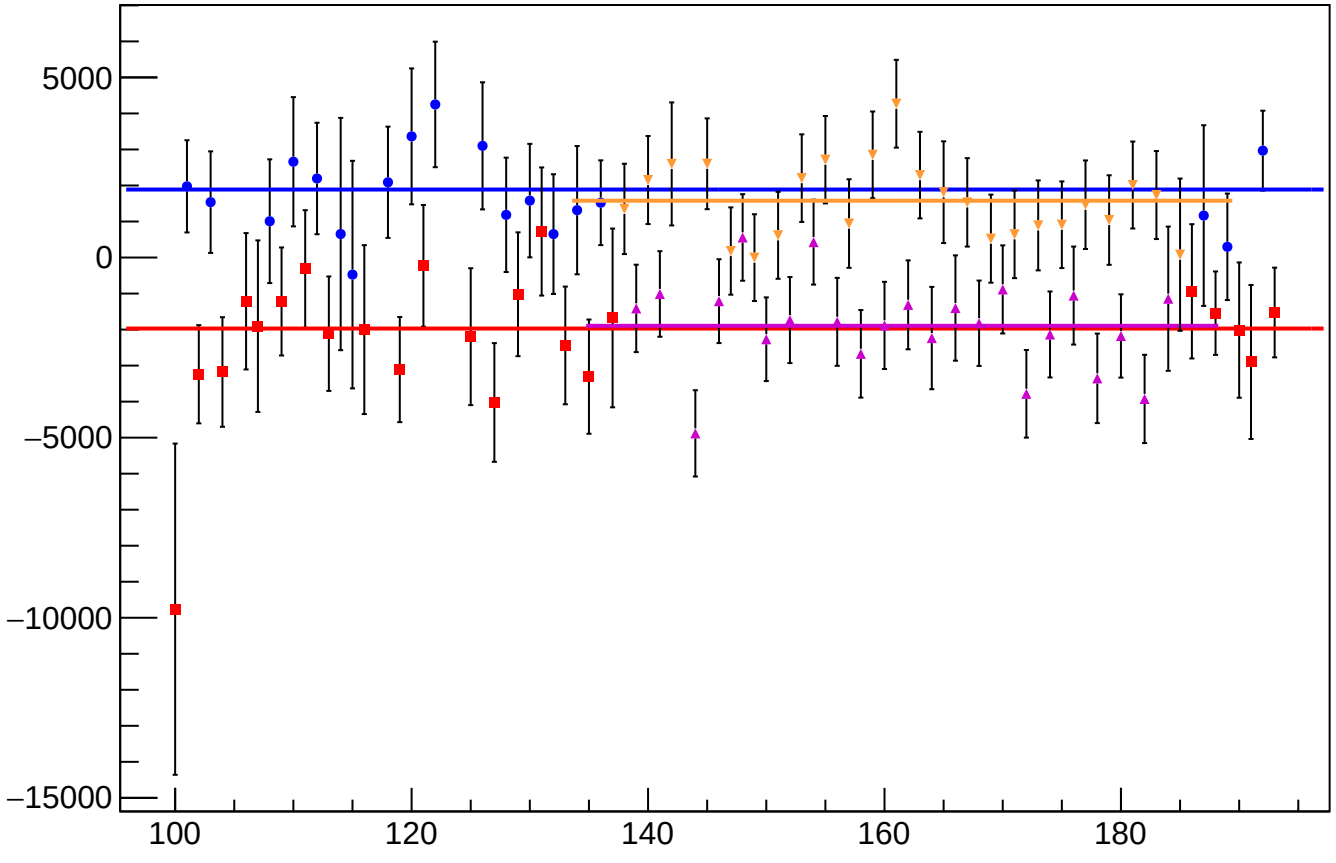
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

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

All: 1204.364+/-0.120 χ^2/NDF: 10396420.6/8

- sign 1205.291+/-0.169 χ^2/NDF: 5490984.7/45

eigen_dit_asym_usl_mean vs Slug



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: -1971.096+/-351.233 χ^2/NDF: 13.2/22

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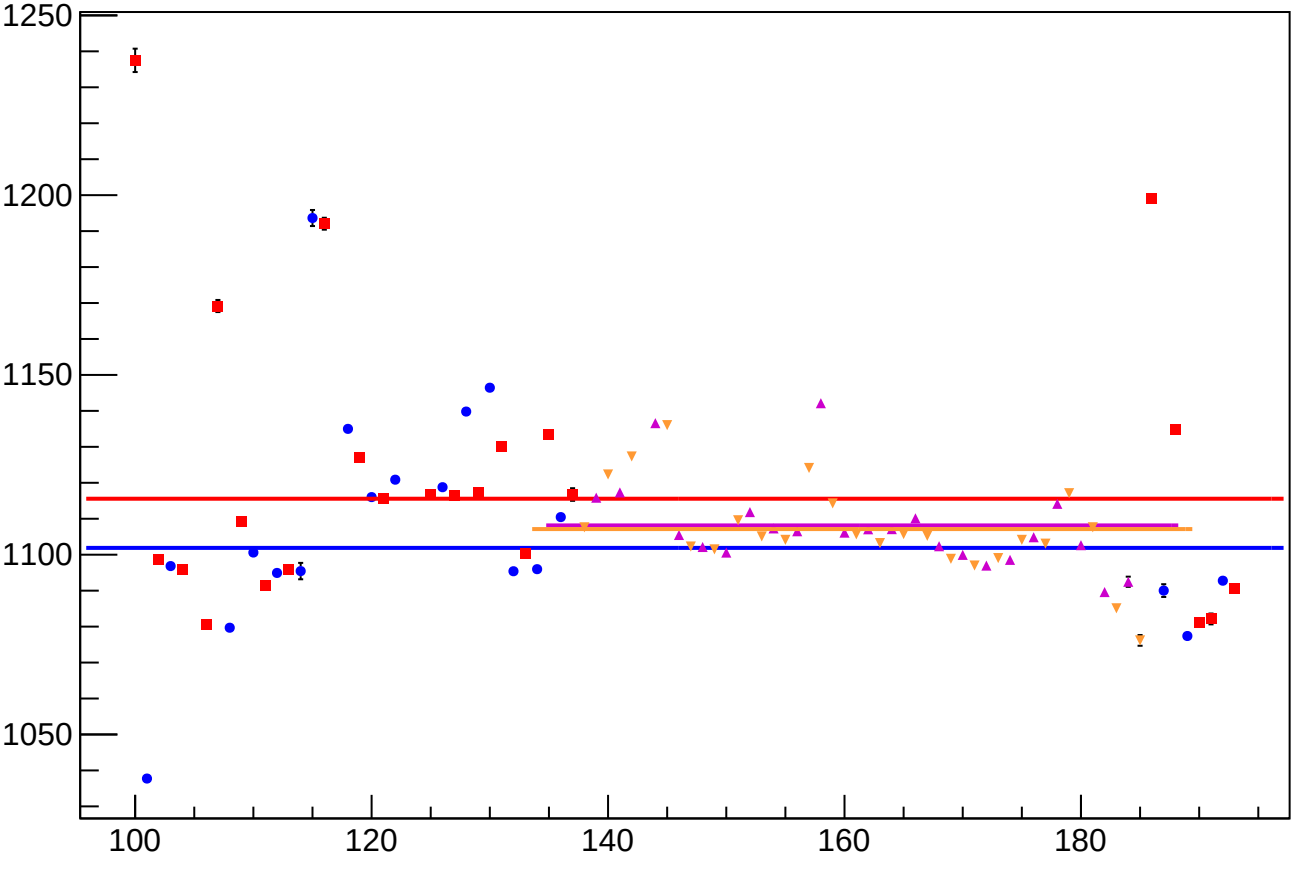
+ sign 1678.875+/-210.827 χ^2/NDF: 23.4/42

All: -143.134+/-148.184 χ^2/NDF: 208.3/88

- sign -1922.126+/-208.323 χ^2/NDF: 37.3/45

eigen_dit_asym_usl_rms vs Slug



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

Right Out: 1115.569+/-0.248 χ^2/NDF: 13865.5/22

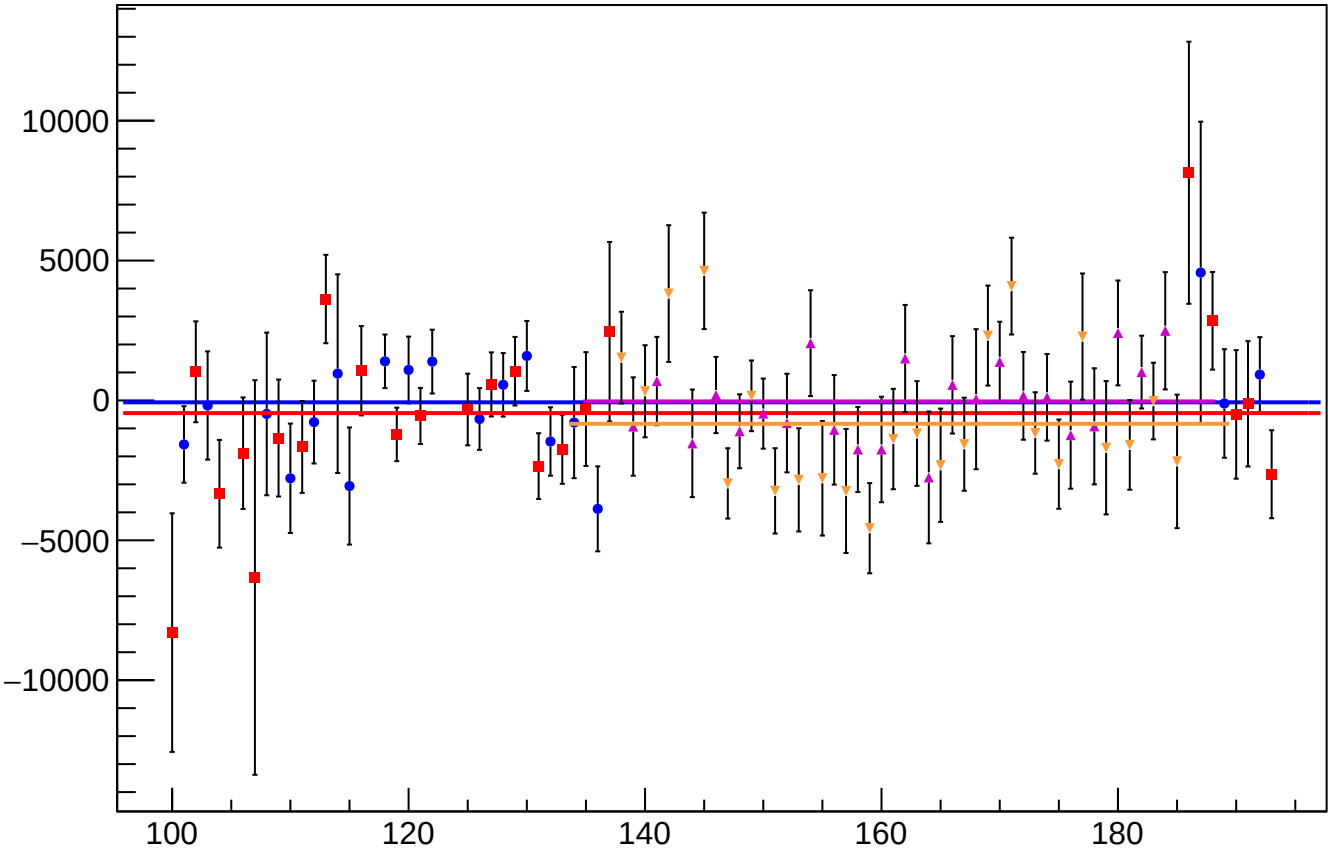
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

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

All: 1108.118+/-0.105 χ^2/NDF: 35542.2/88

- sign 1110.757+/-0.147 χ^2/NDF: 18635.2/45

asym_usl_eigen_dit_correction_mean vs Slug



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: -452.869+/-327.720 χ^2/NDF: 32.2/22

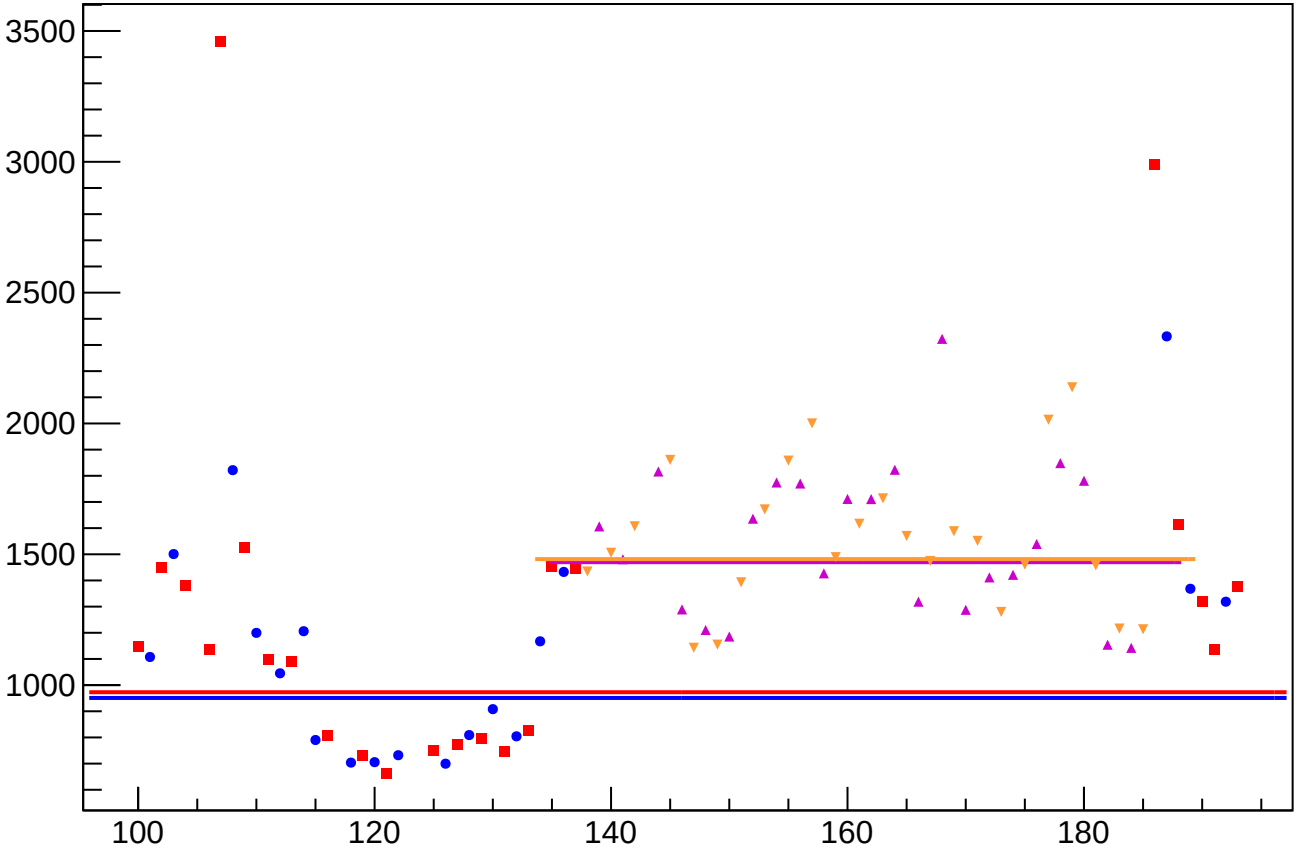
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

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

All: -344.271+/-170.040 χ^2/NDF: 114.2/88

- sign -257.682+/-239.106 χ^2/NDF: 46.1/45

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

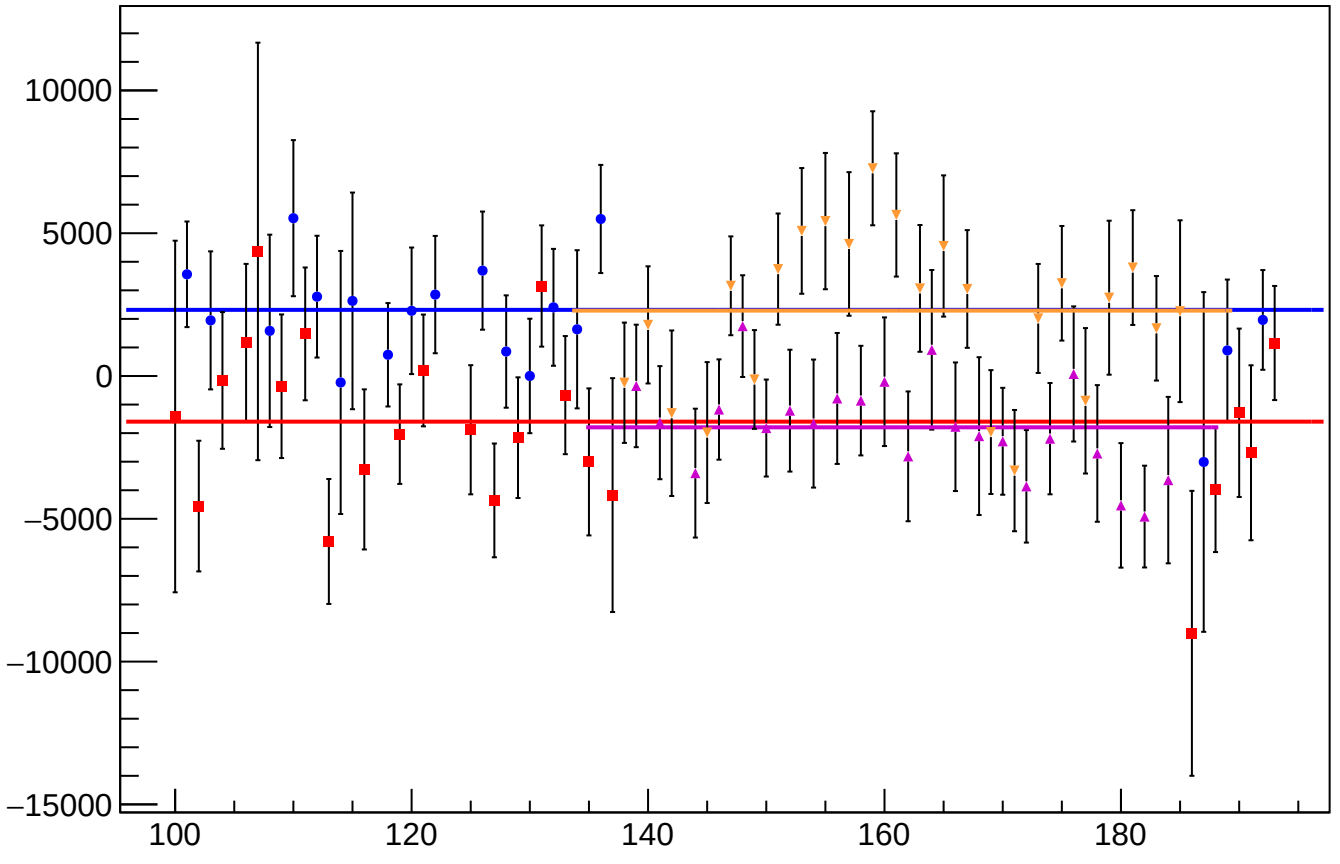
Right Out: 972.806+/-0.232 χ^2/NDF: 2243868.8/22

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

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

All: 1204.363+/-0.120 χ^2/NDF: 10396494.9/8

- sign 1205.290+/-0.169 χ^2/NDF: 5491022.3/45



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: -1598.048+/-508.233 χ^2/NDF: 24.0/22

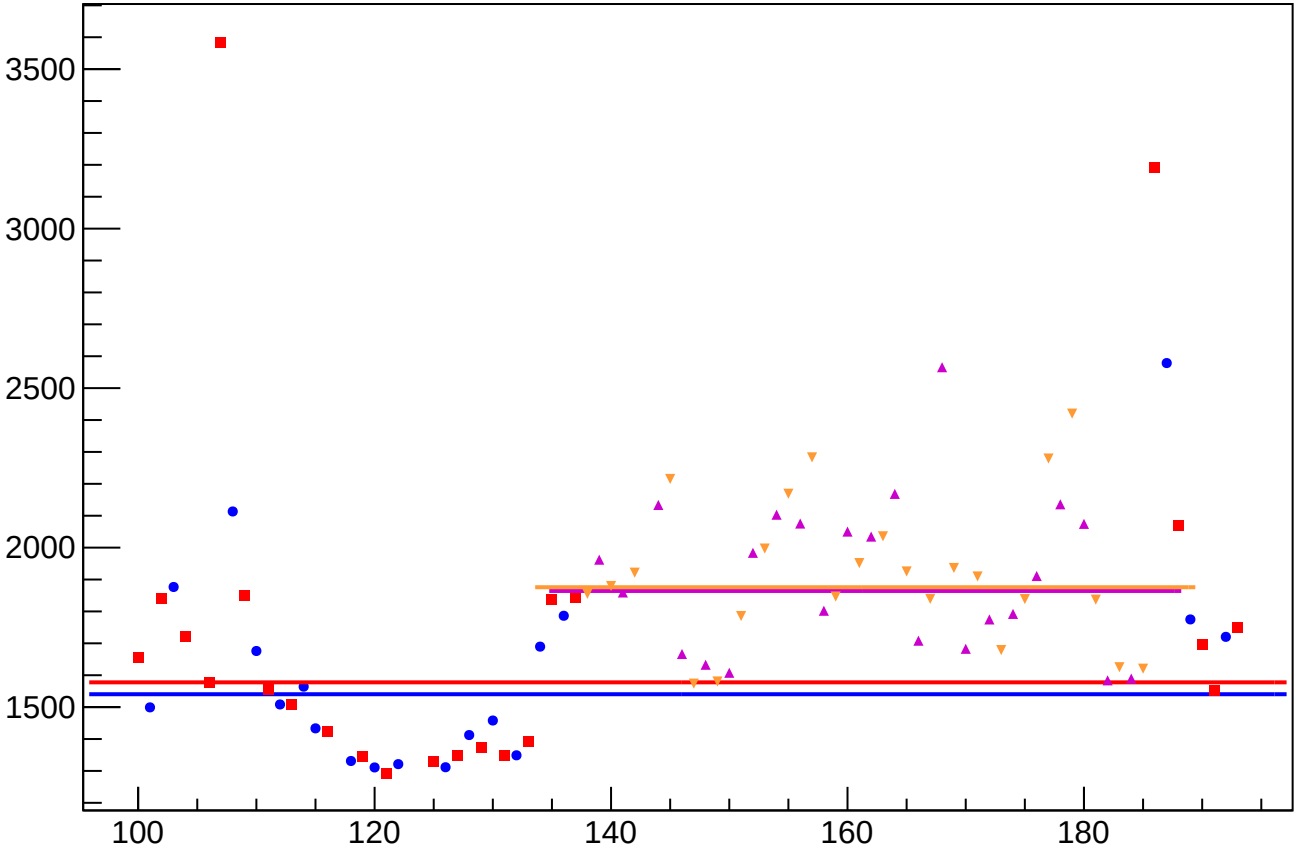
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

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

All: 272.268+/-236.268 χ^2/NDF: 155.9/88

- sign -1711.560+/-332.284 χ^2/NDF: 38.3/45

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: 1577.672+/-0.359 χ^2/NDF: 761901.5/22

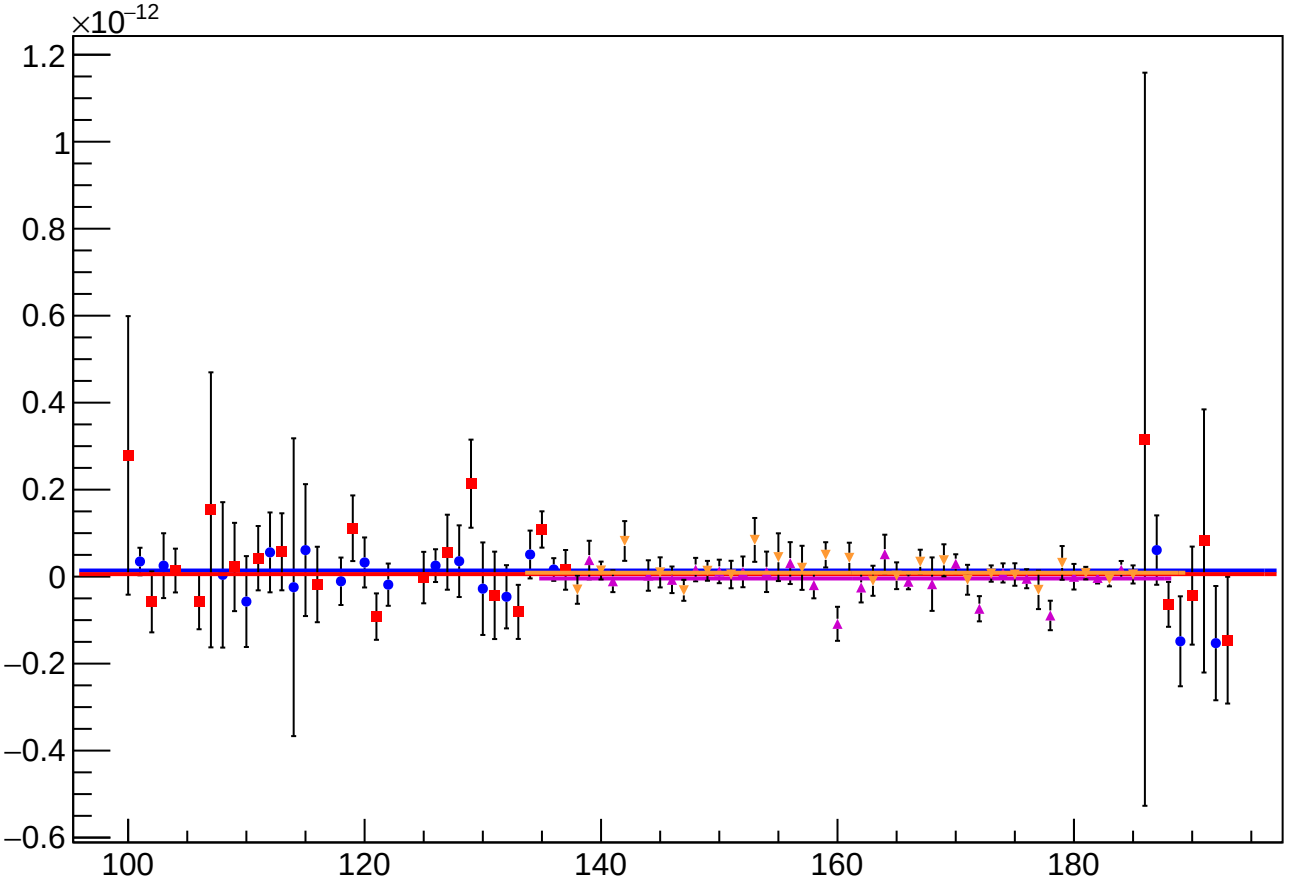
Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

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

All: 1739.188+/-0.167 χ^2/NDF: 2961858.8/88

- sign 1741.699+/-0.235 χ^2/NDF: 1636360.2/45

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: 24.9/22

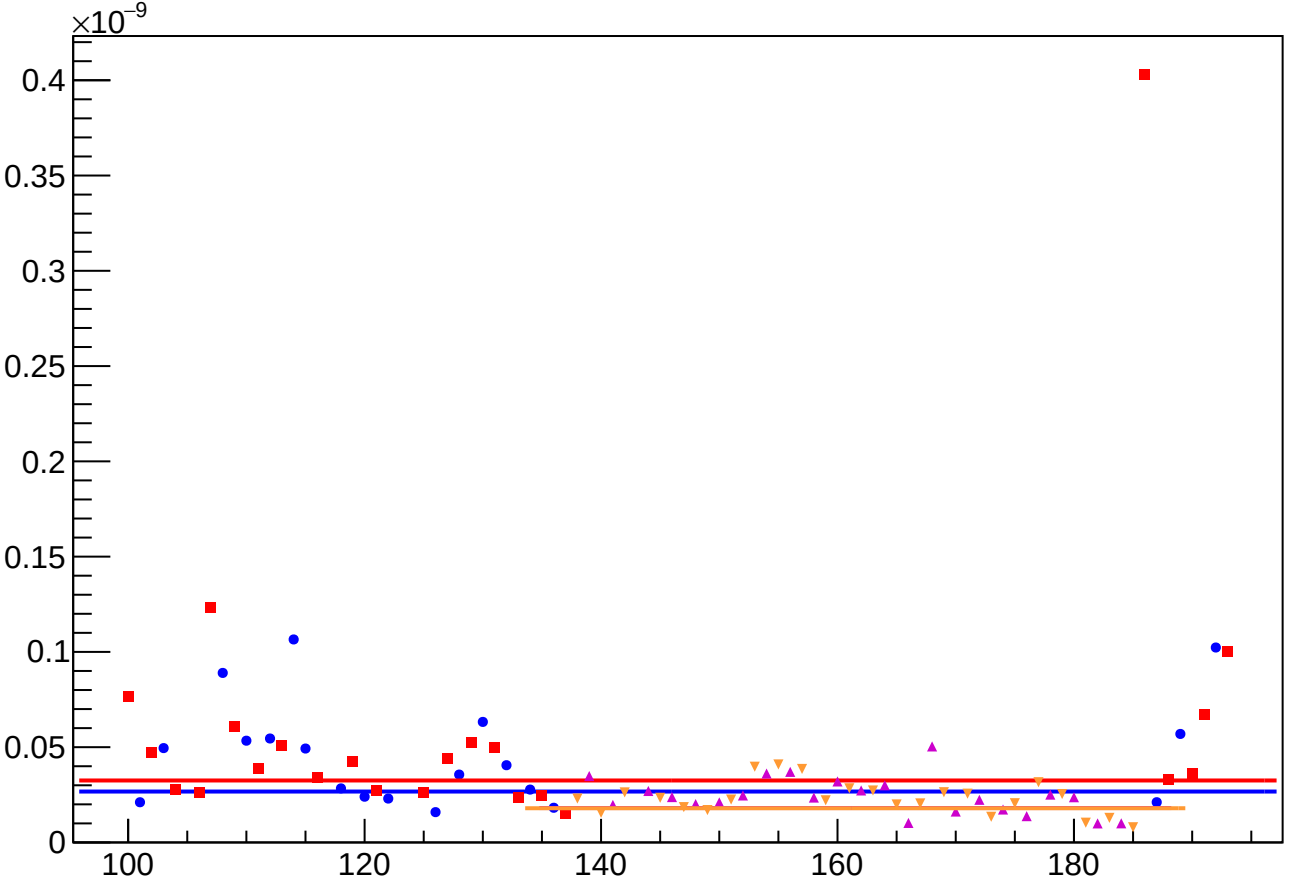
Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 24.6/42

All: 0.000+/-0.000 χ^2/NDF: 81.2/88

- sign -0.000+/-0.000 χ^2/NDF: 53.4/45

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: 2085319.9/22

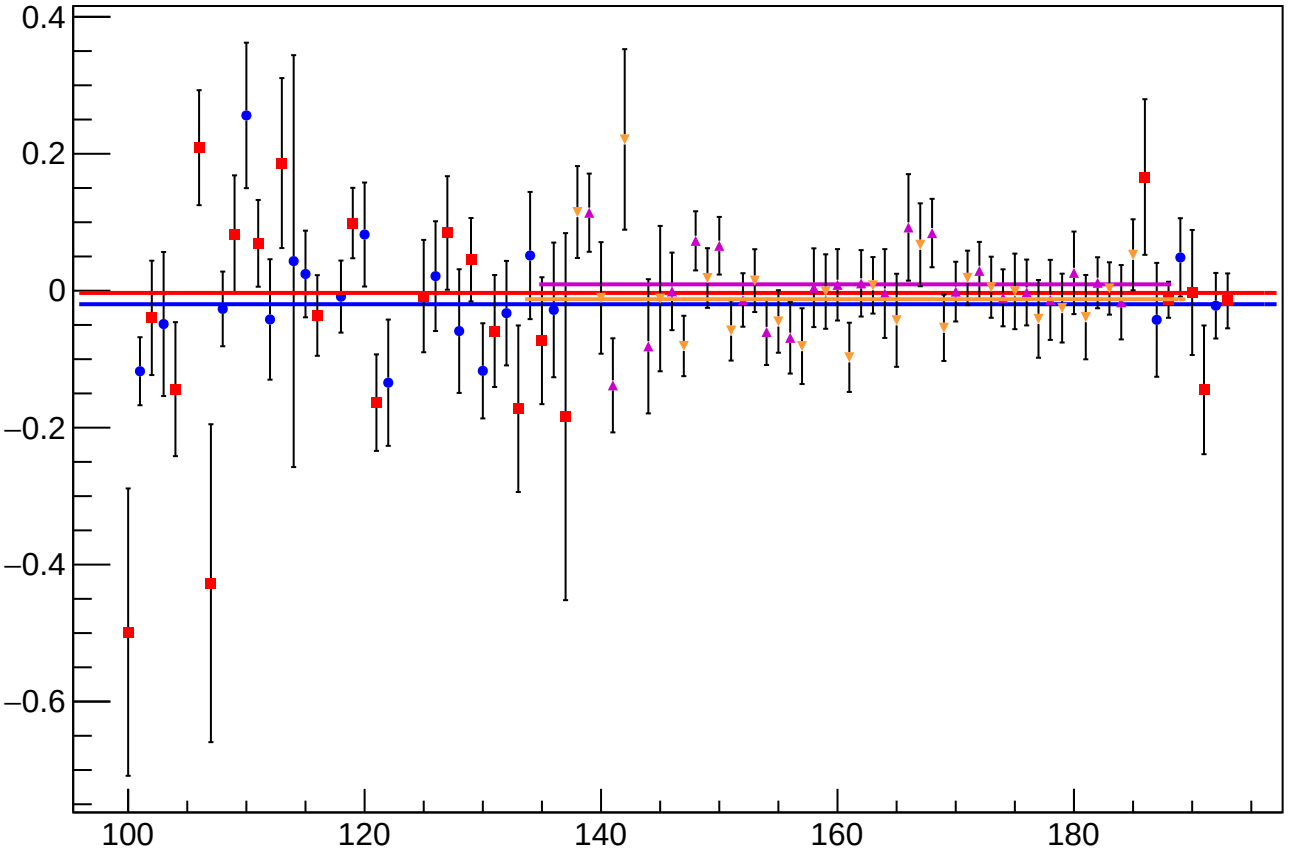
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

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

All: 0.000+/-0.000 χ^2/NDF: 14704662.5/88

- sign 0.000+/-0.000 χ^2/NDF: 7881267.7/45

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: -0.003+/-0.014 χ^2/NDF: 41.5/22

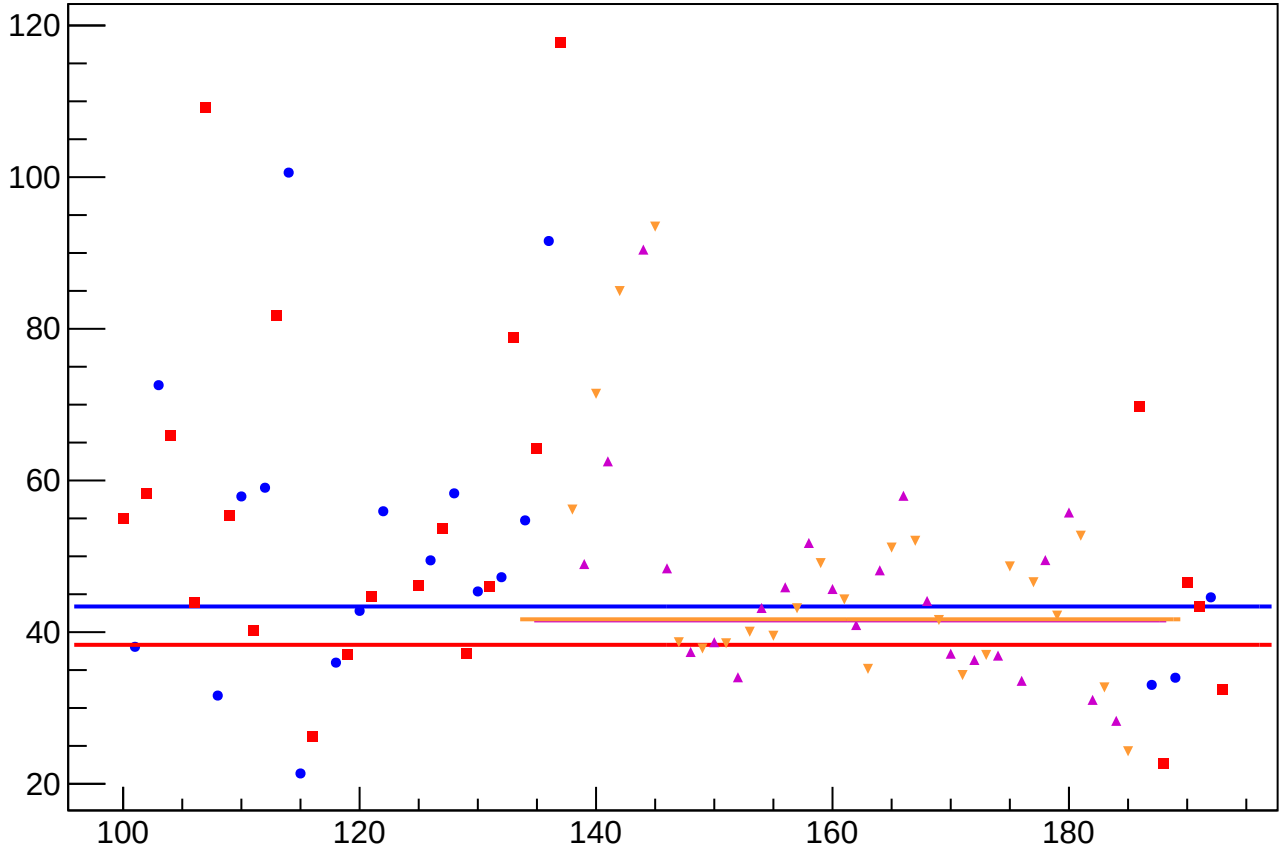
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

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

All: -0.004+/-0.006 χ^2/NDF: 107.7/88

- sign 0.005+/-0.008 χ^2/NDF: 63.9/45

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: 38.328+/-0.010 χ^2/NDF: 2488962.9/22

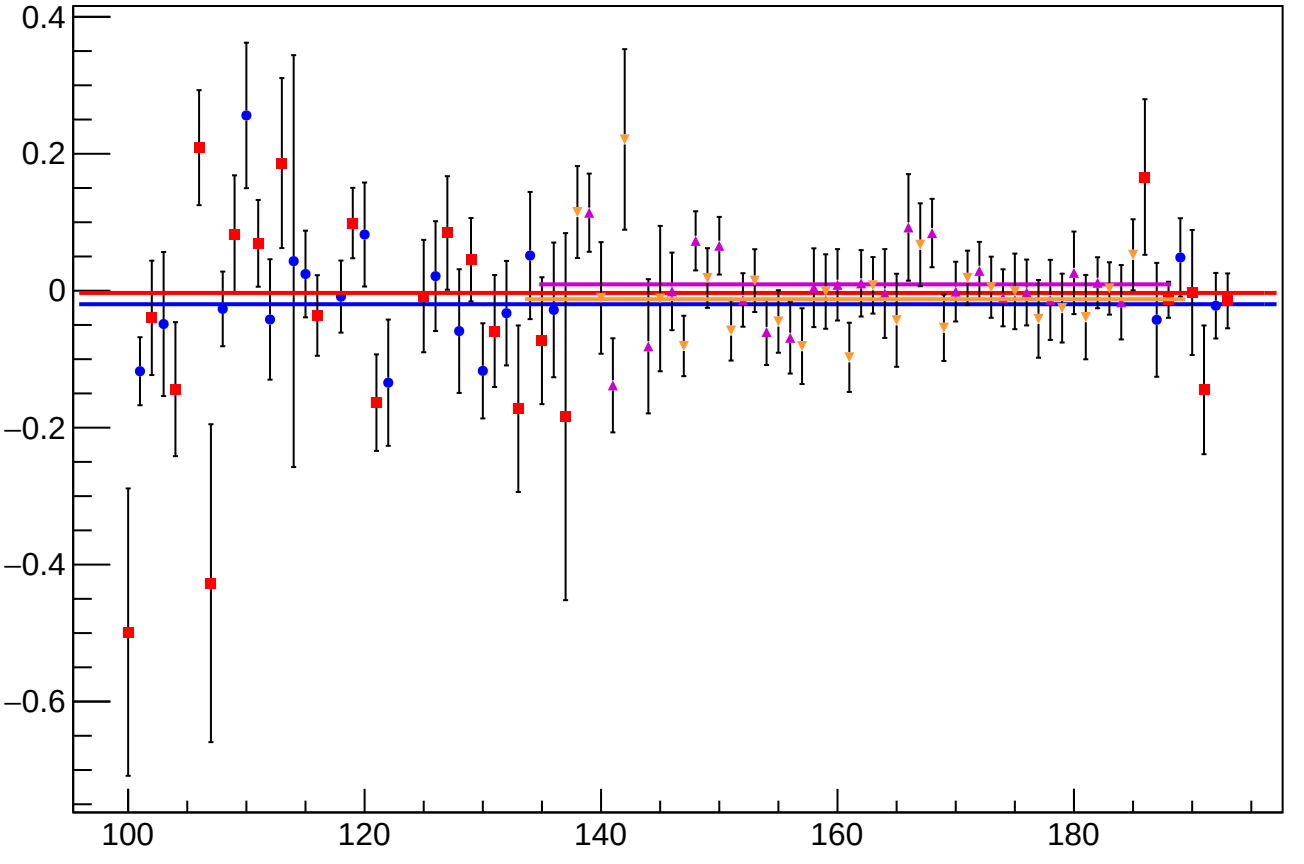
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

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

All: 41.250+/-0.004 χ^2/NDF: 7479662.6/88

- sign 40.403+/-0.006 χ^2/NDF: 4169276.3/45

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: -0.003+/-0.014 χ^2/NDF: 41.5/22

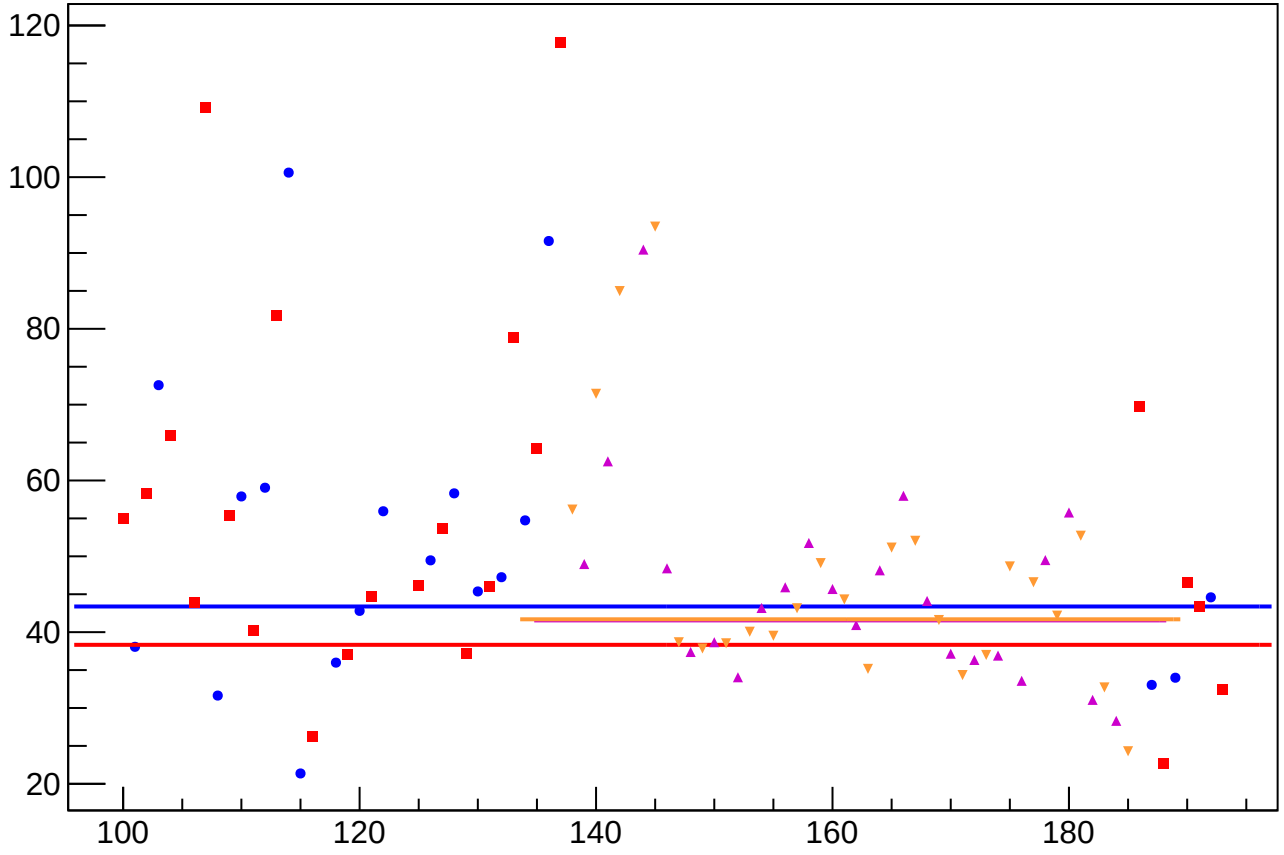
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

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

All: -0.004+/-0.006 χ^2/NDF: 107.7/88

- sign 0.005+/-0.008 χ^2/NDF: 63.9/45

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: 38.328+/-0.010 χ^2/NDF: 2488962.9/22

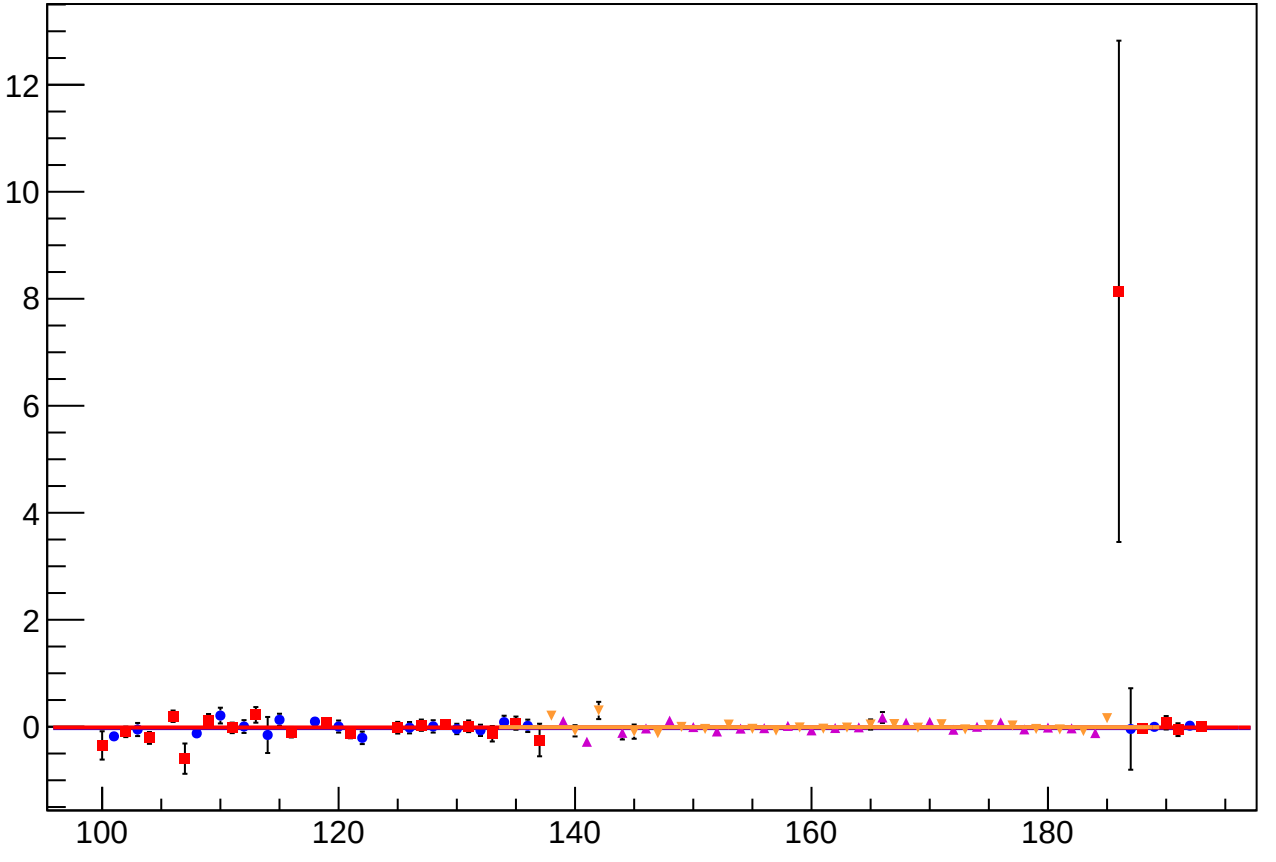
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

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

All: 41.250+/-0.004 χ^2/NDF: 7479662.6/88

- sign 40.403+/-0.006 χ^2/NDF: 4169276.3/45

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: -0.013+/-0.021 χ^2/NDF: 26.8/22

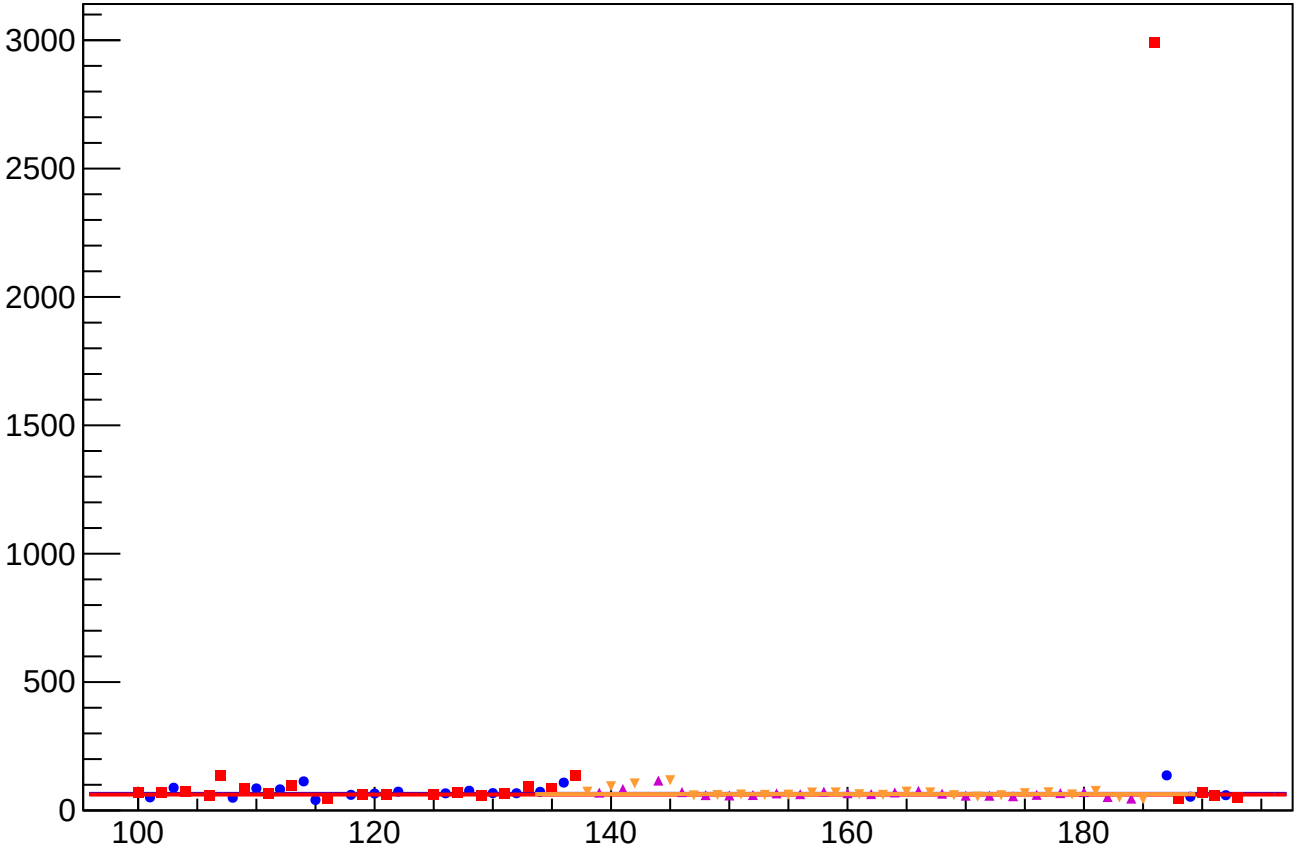
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

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

All: -0.011+/-0.009 χ^2/NDF: 97.3/88

- sign -0.009+/-0.013 χ^2/NDF: 55.0/45

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

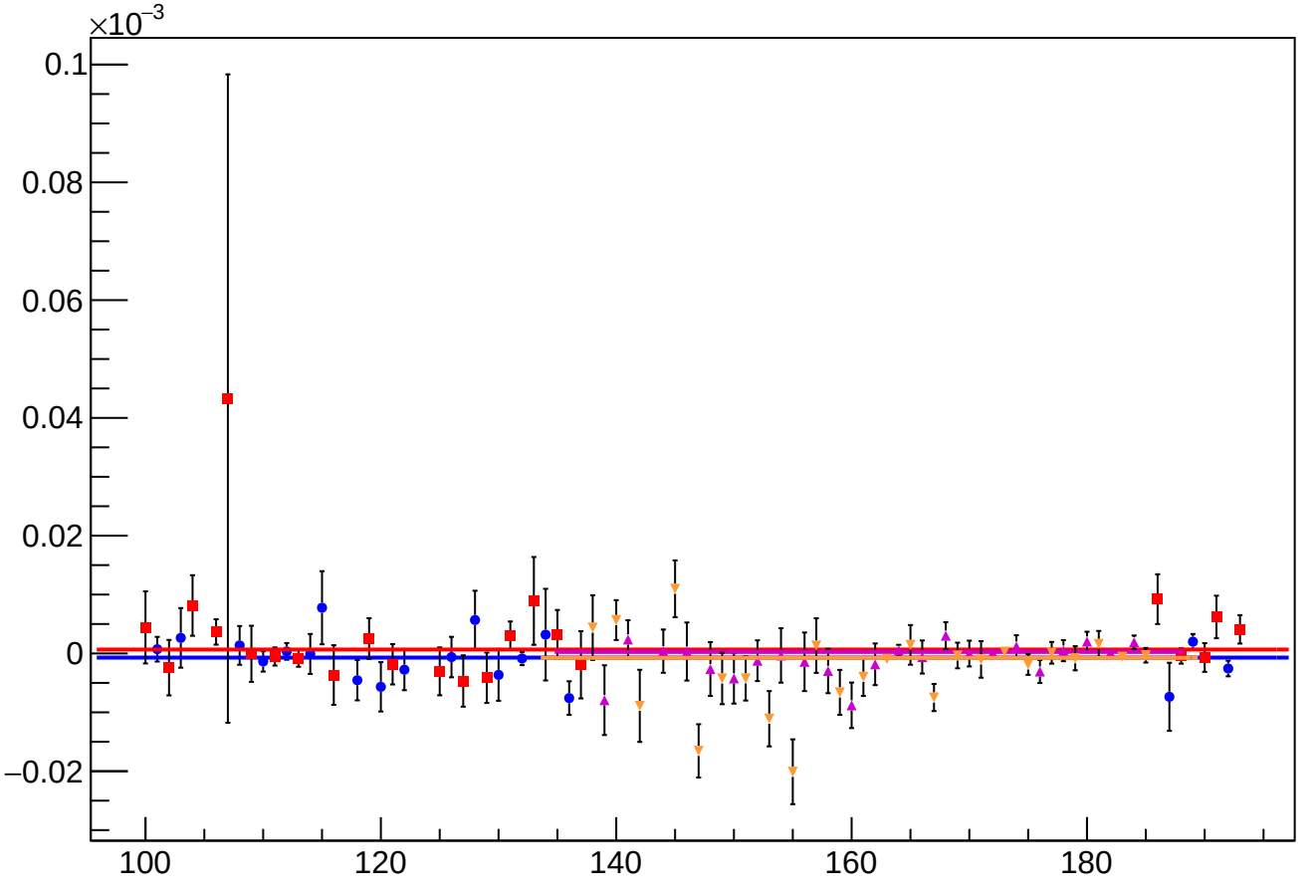
Right Out: 61.934+/-0.015 χ^2/NDF: 1797958.7/22

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

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

All: 63.653+/-0.006 χ^2/NDF: 4578112.6/88

- sign 63.314+/-0.009 χ^2/NDF: 2649390.2/45



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: 24.5/22

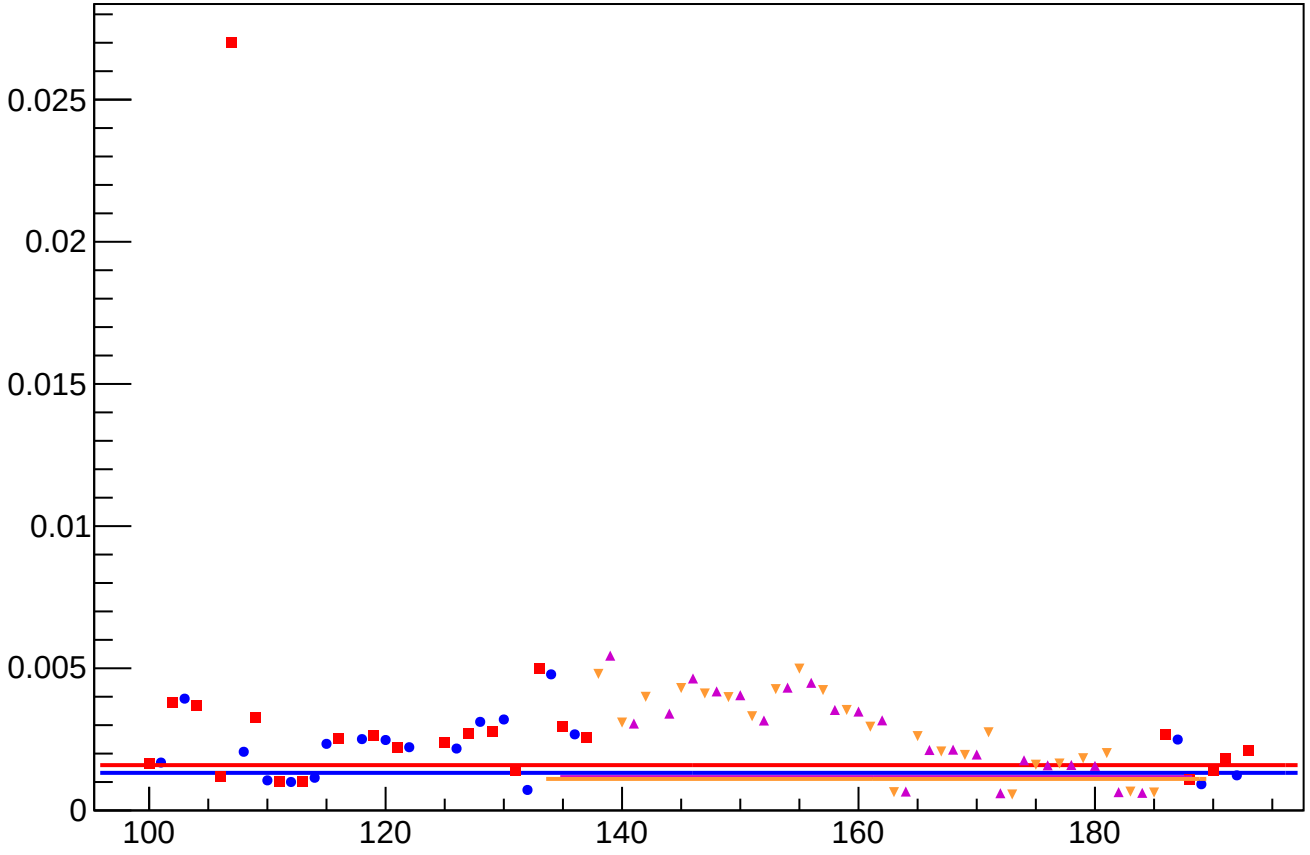
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

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

All: -0.000+/-0.000 χ^2/NDF: 133.2/88

- sign 0.000+/-0.000 χ^2/NDF: 43.6/45

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: 4011642.7/22

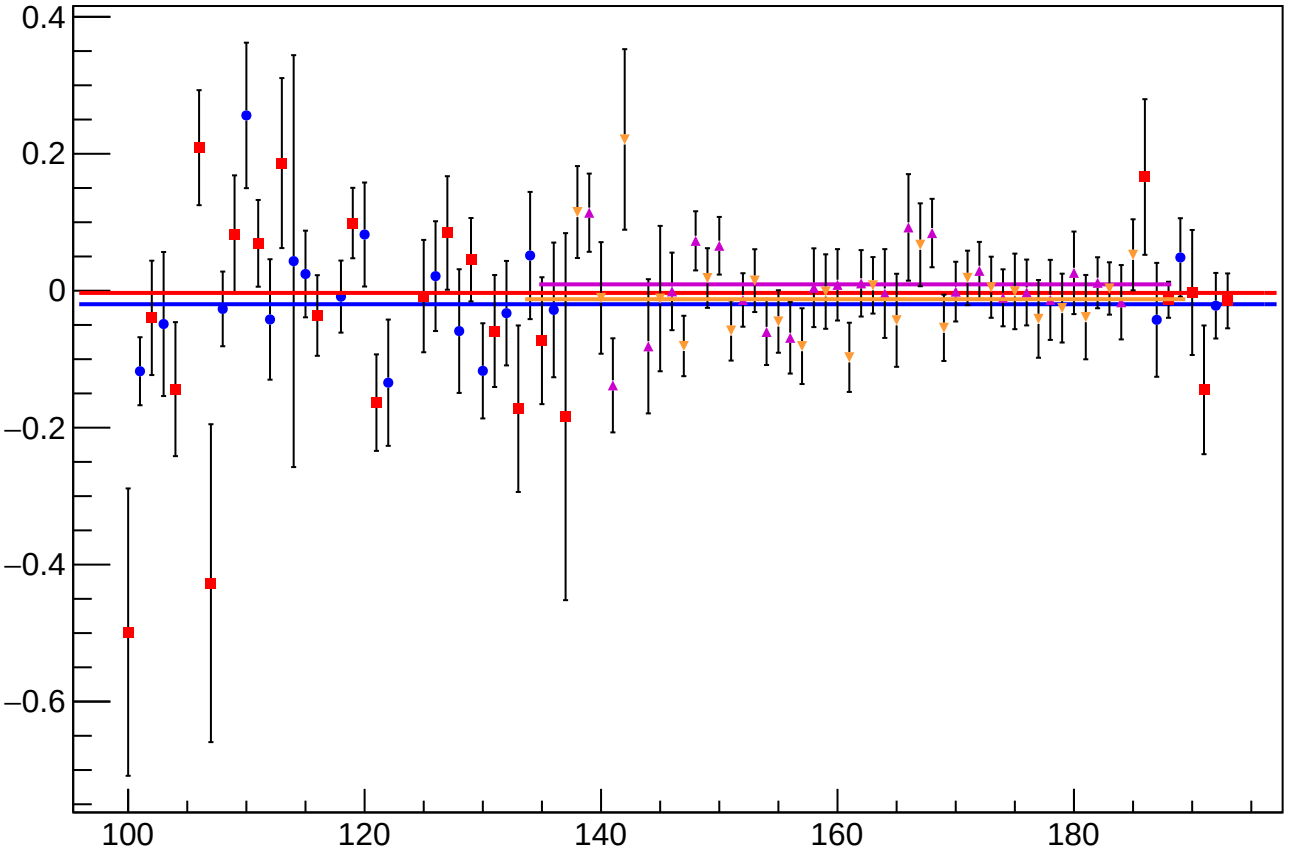
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

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

All: 0.001+/-0.000 χ^2/NDF: 38448321.7/88

- sign 0.001+/-0.000 χ^2/NDF: 19026701.6/45

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: -0.003+/-0.014 χ^2/NDF: 41.5/22

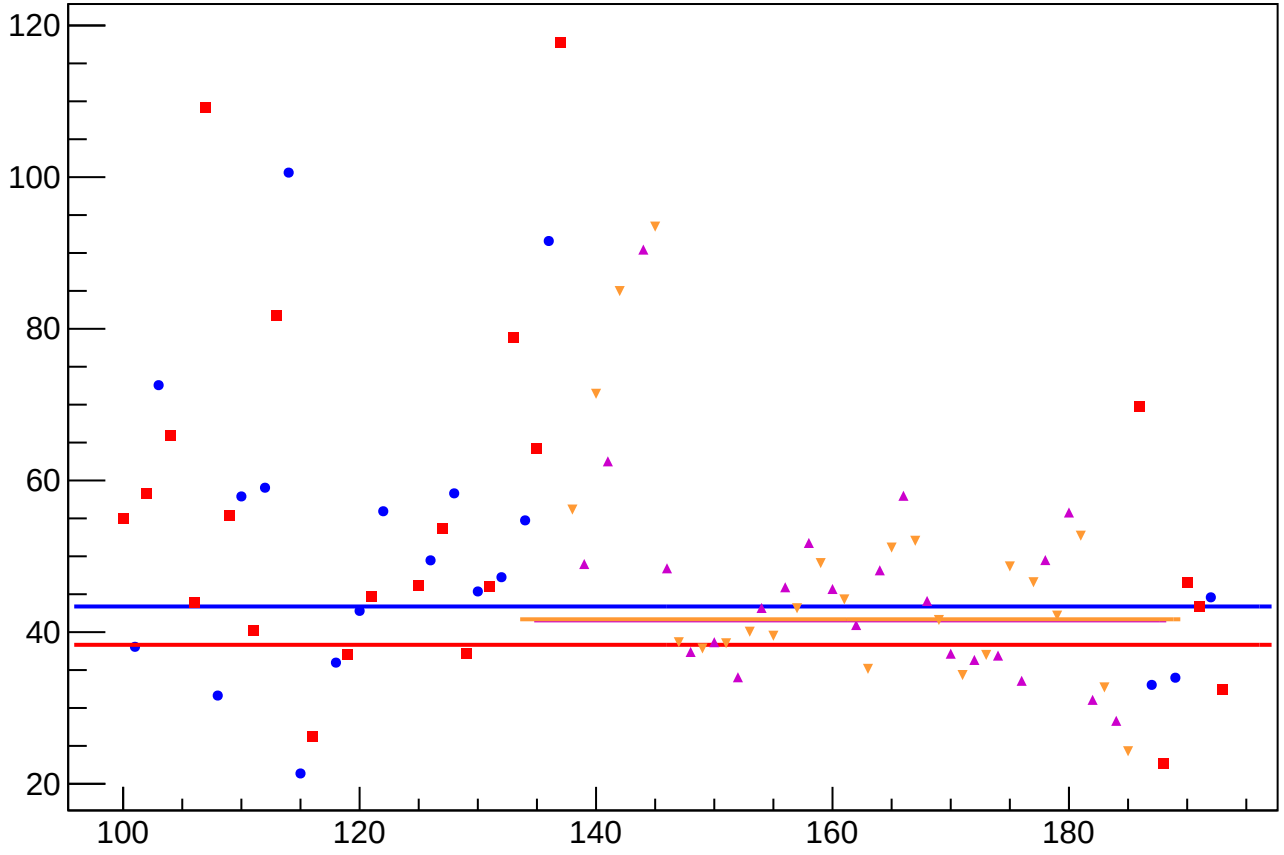
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

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

All: -0.004+/-0.006 χ^2/NDF: 107.7/88

- sign 0.005+/-0.008 χ^2/NDF: 63.9/45

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

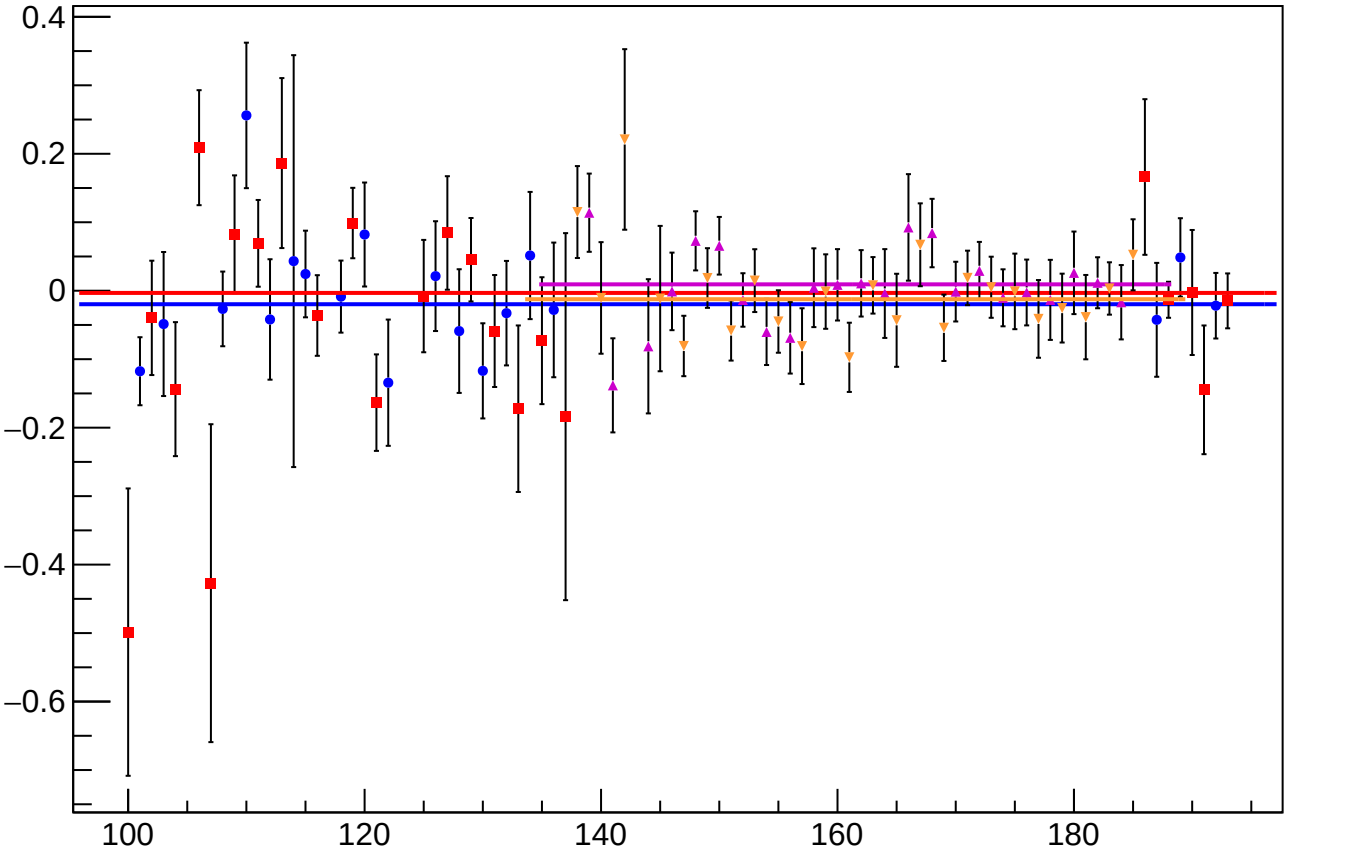
Right Out: 38.329+/-0.010 χ^2/NDF: 2488791.5/22

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

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

All: 41.250+/-0.004 χ^2/NDF: 7479439.1/88

- sign 40.403+/-0.006 χ^2/NDF: 4169070.9/45



Right In: -0.020+/-0.016 χ^2/NDF: 19.2/18

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.003+/-0.014 χ^2/NDF: 41.5/22

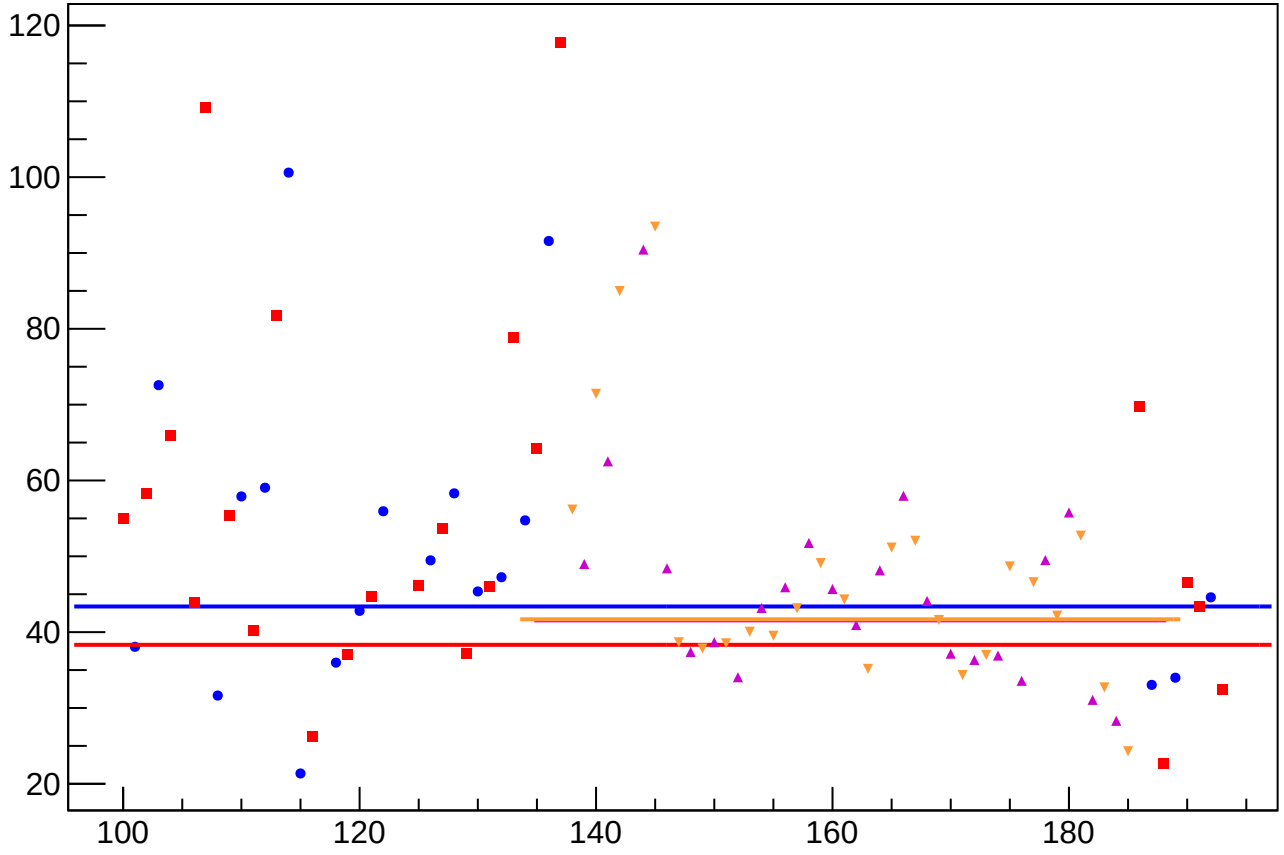
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

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

All: -0.004+/-0.006 χ^2/NDF: 107.7/88

- sign 0.005+/-0.008 χ^2/NDF: 63.9/45

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: 38.329+/-0.010 χ^2/NDF: 2488791.5/22

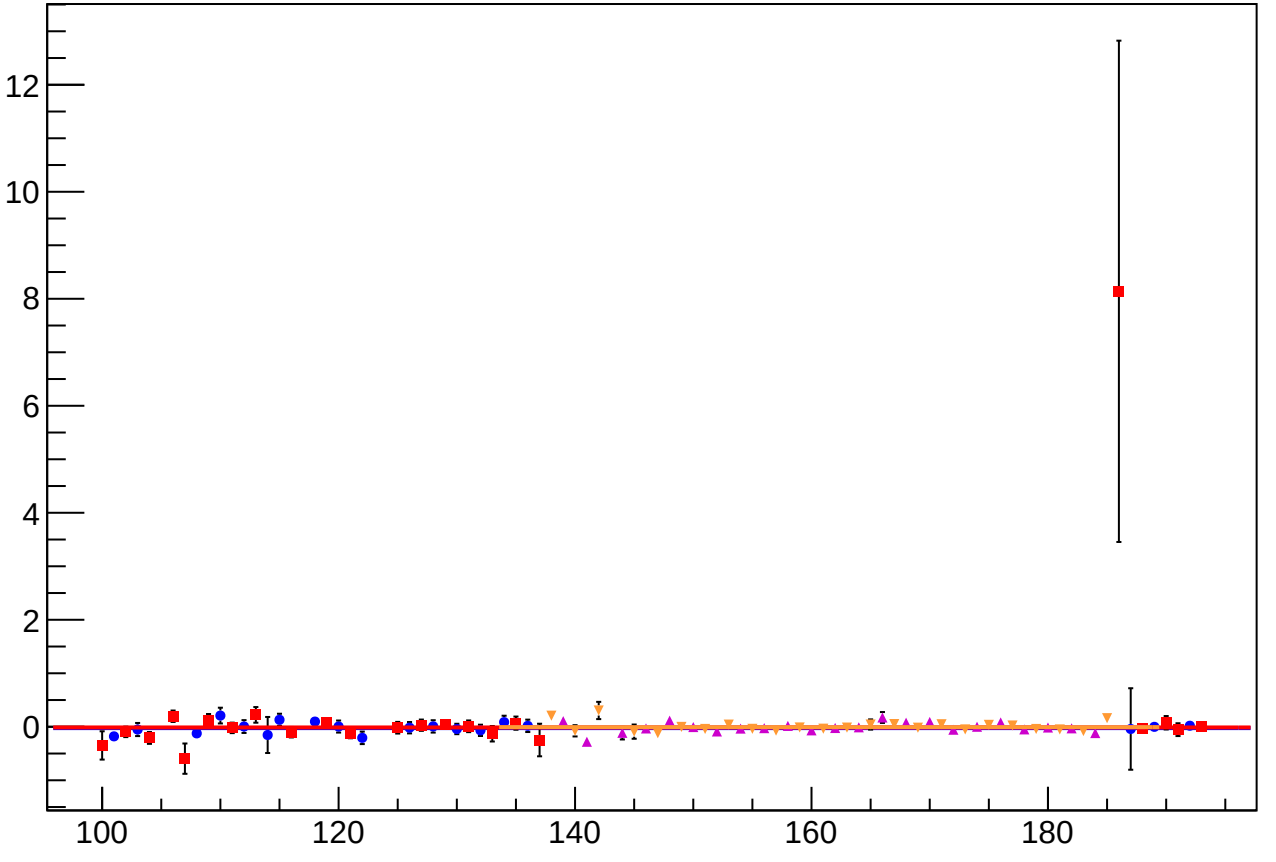
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

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

All: 41.250+/-0.004 χ^2/NDF: 7479439.1/88

- sign 40.403+/-0.006 χ^2/NDF: 4169070.9/45

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: -0.013+/-0.021 χ^2/NDF: 26.8/22

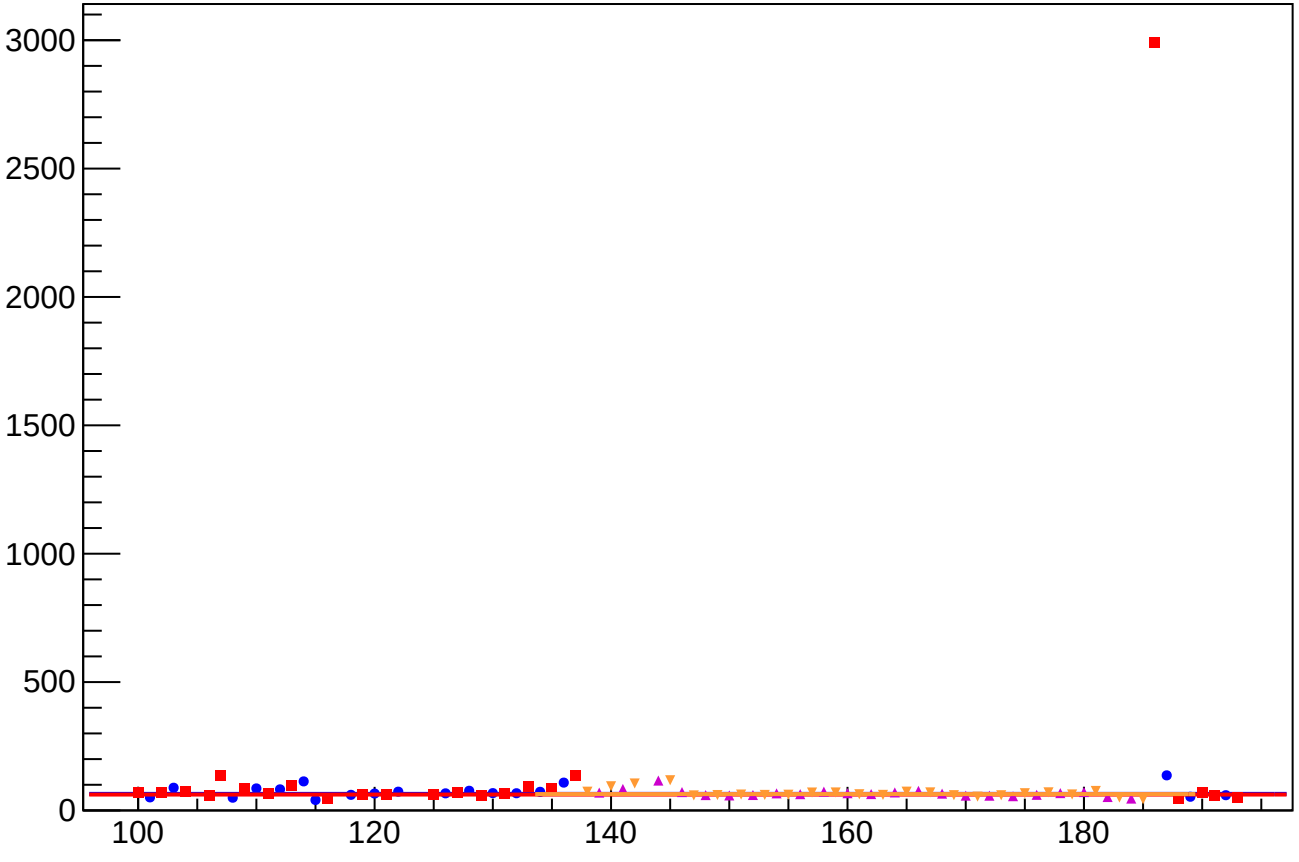
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

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

All: -0.011+/-0.009 χ^2/NDF: 97.3/88

- sign -0.009+/-0.013 χ^2/NDF: 55.0/45

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: 61.934+/-0.015 χ^2/NDF: 1797926.4/22

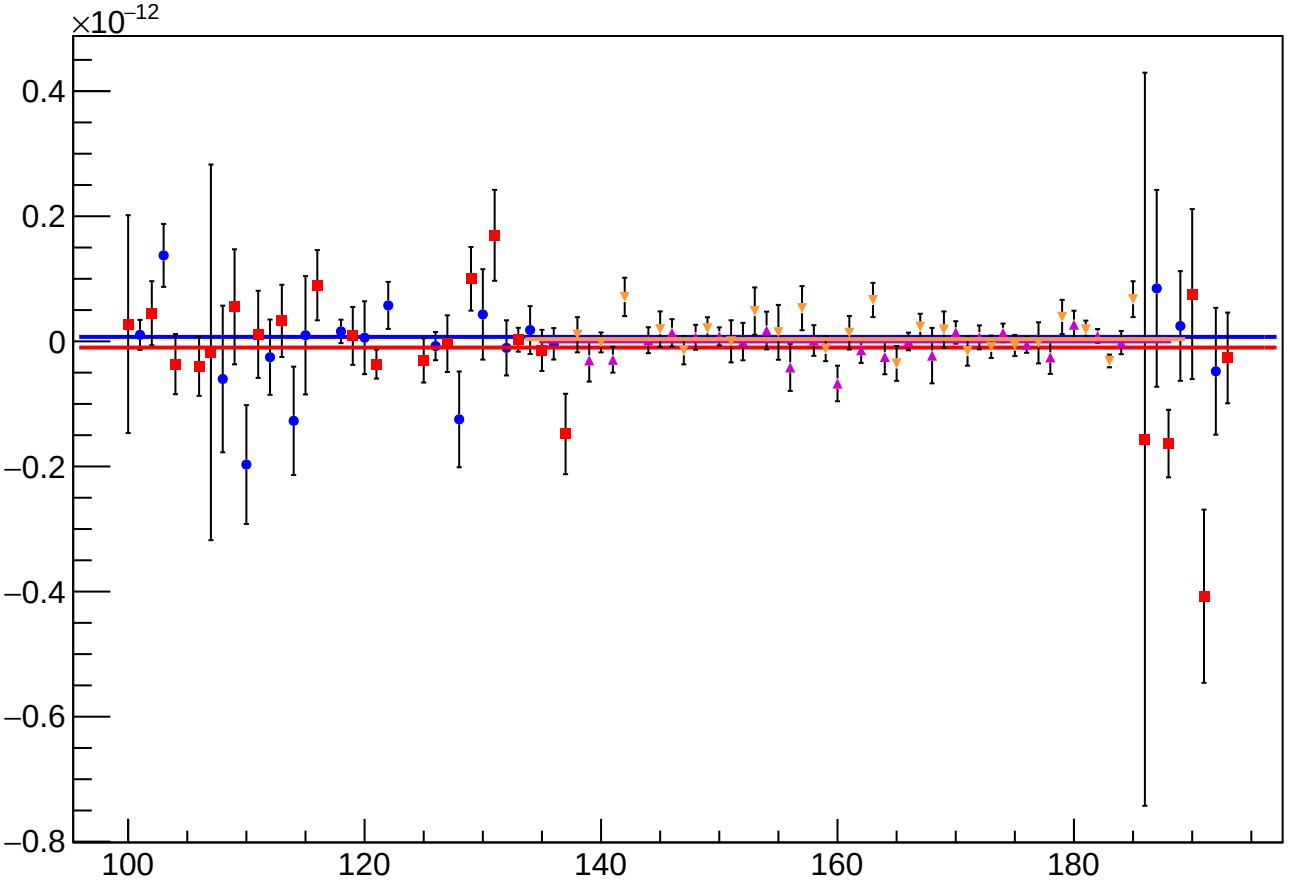
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

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

All: 63.653+/-0.006 χ^2/NDF: 4578069.4/88

- sign 63.314+/-0.009 χ^2/NDF: 2649359.7/45

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: 40.7/22

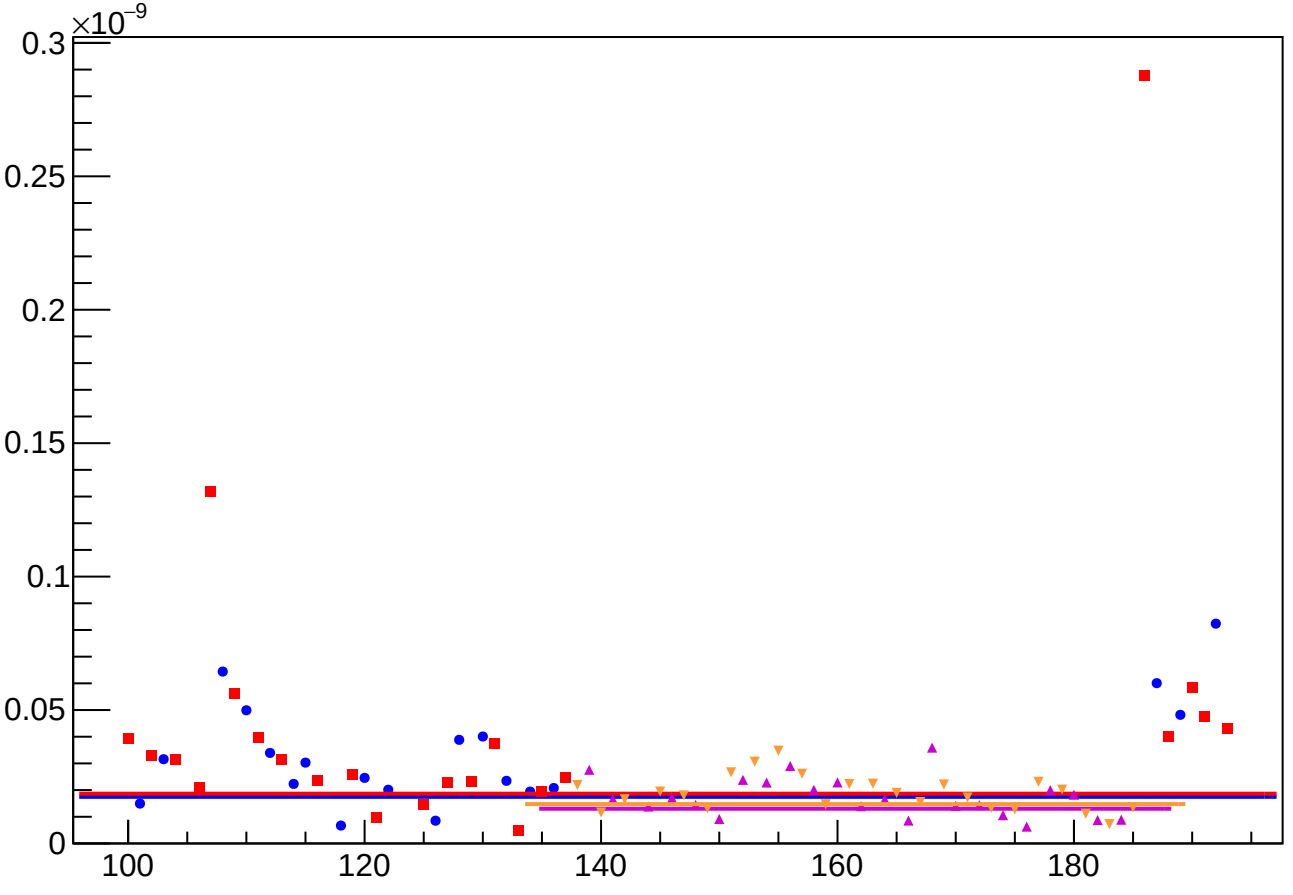
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.7/42

All: 0.000+/-0.000 χ^2/NDF: 121.6/88

- sign -0.000+/-0.000 χ^2/NDF: 58.7/45

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: 4059059.6/22

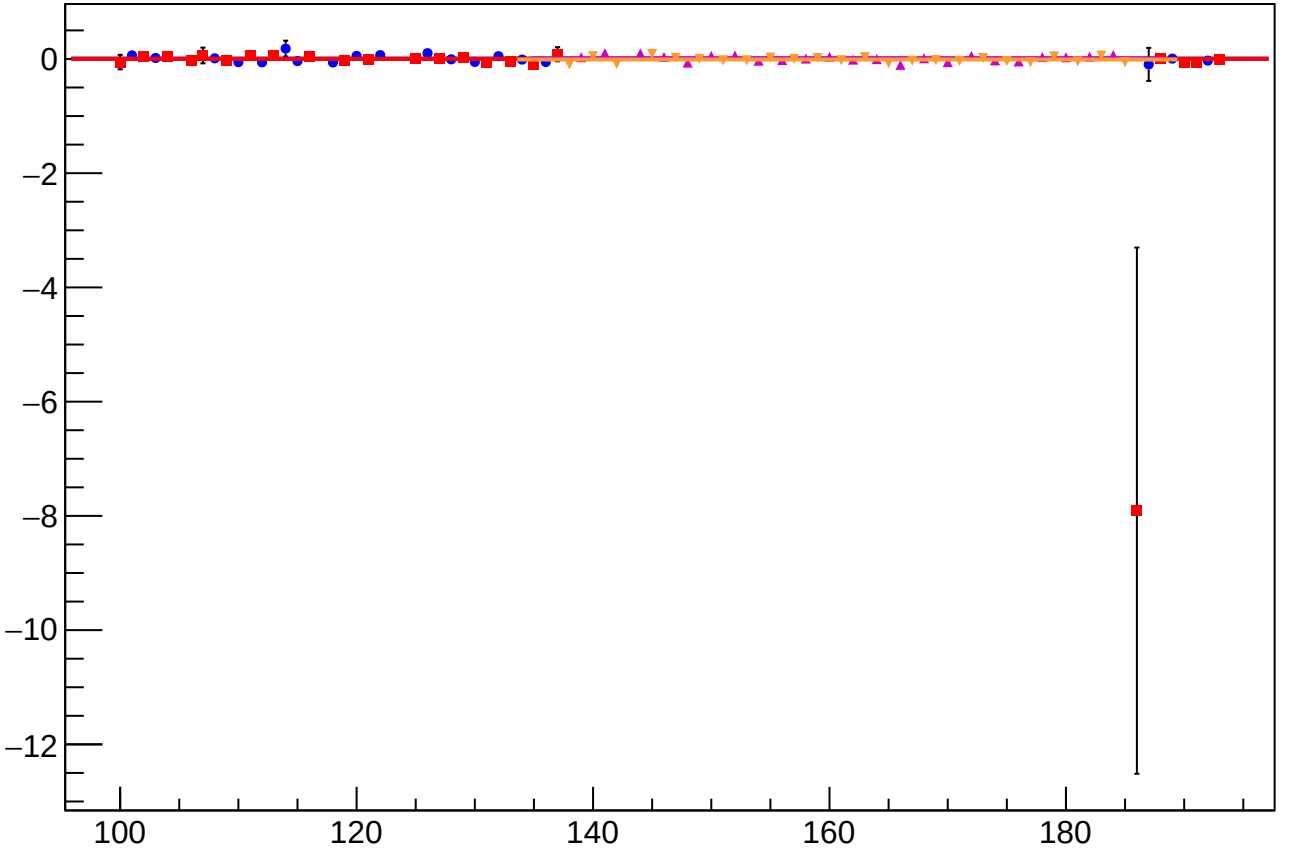
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

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

All: 0.000+/-0.000 χ^2/NDF: 15967421.6/88

- sign 0.000+/-0.000 χ^2/NDF: 8577182.3/45

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



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: 0.002+/-0.011 χ^2/NDF: 15.8/22

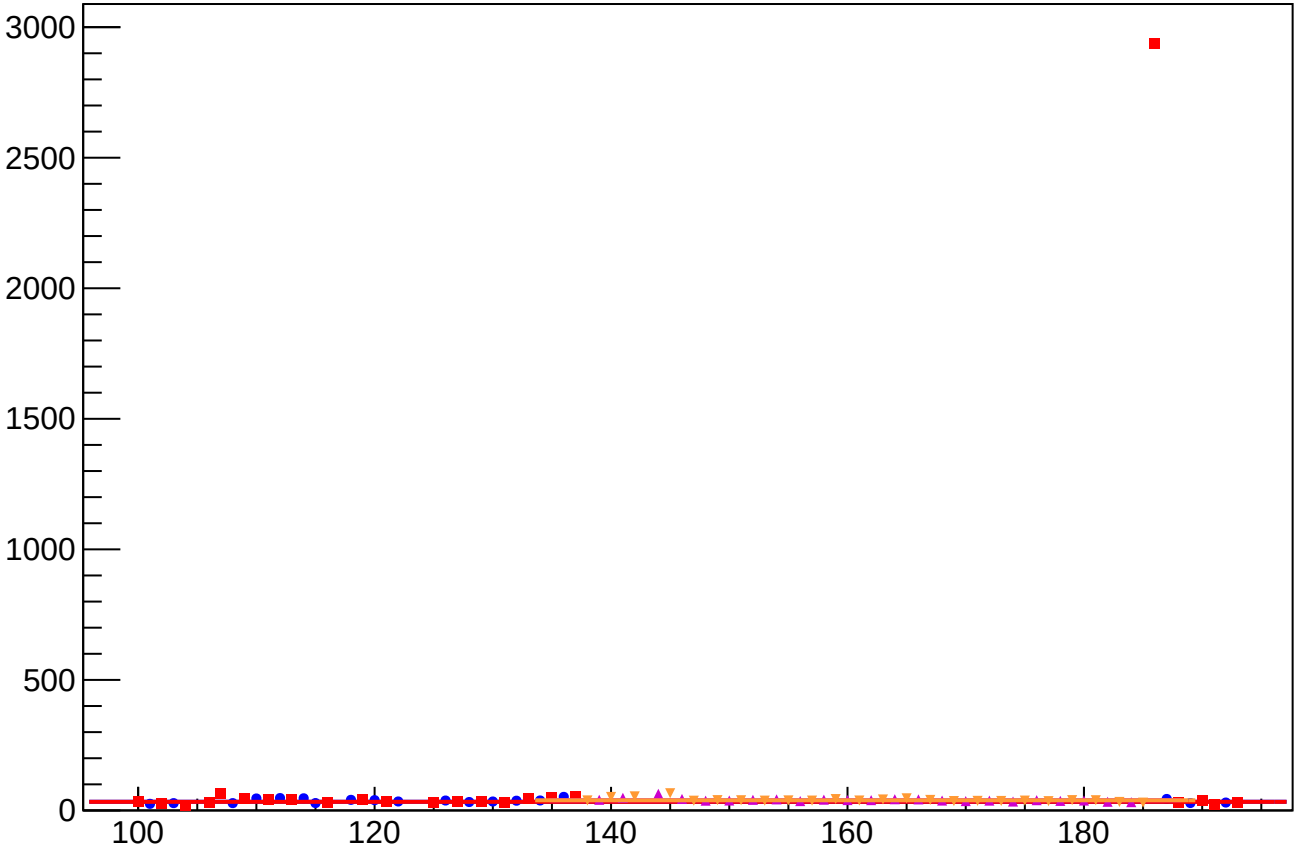
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

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

All: 0.002+/-0.005 χ^2/NDF: 77.2/88

- sign 0.007+/-0.007 χ^2/NDF: 39.4/45

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

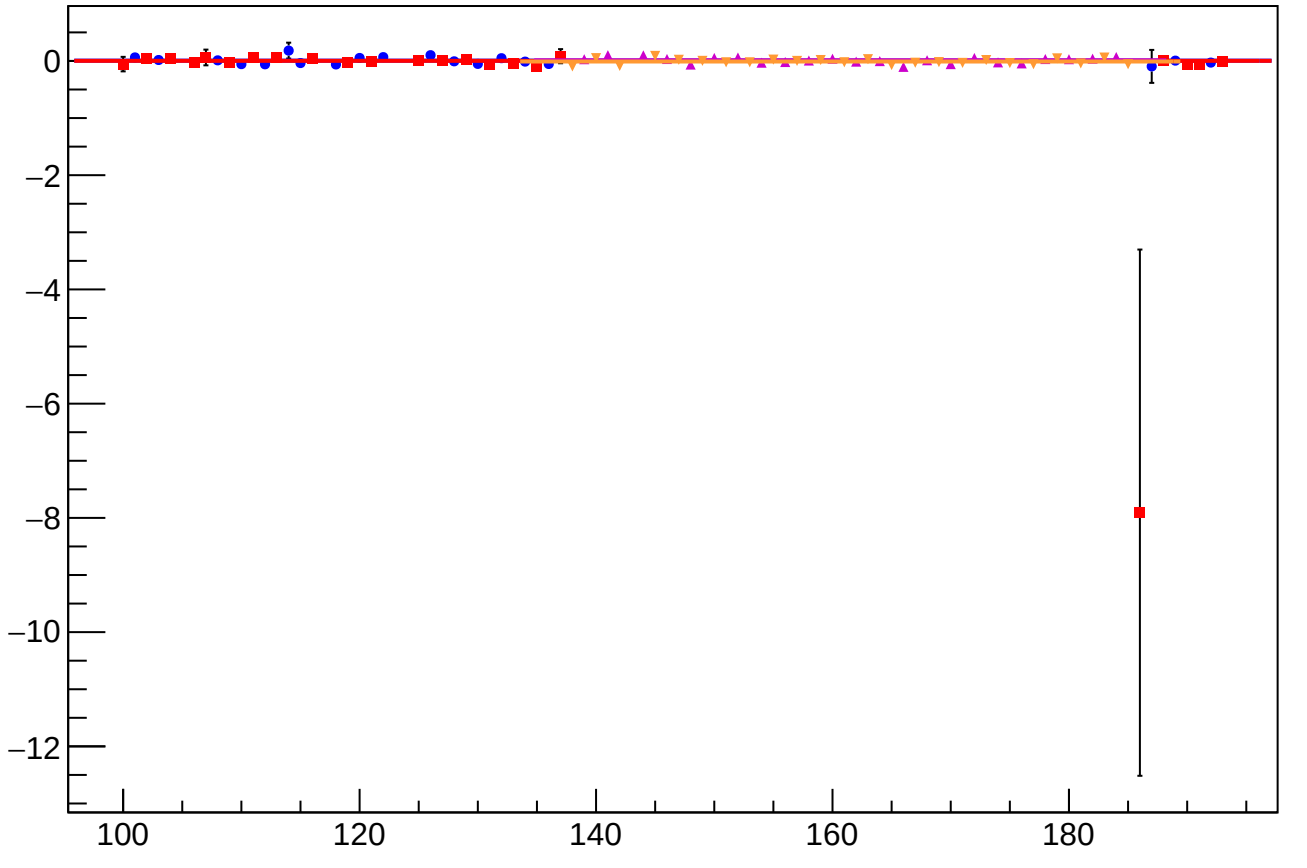
Right Out: 33.012+/-0.008 χ^2/NDF: 1782389.1/22

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

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

All: 36.730+/-0.004 χ^2/NDF: 4231255.7/88

- sign 36.643+/-0.005 χ^2/NDF: 2646463.8/45



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: 0.002+/-0.011 χ^2/NDF: 15.8/22

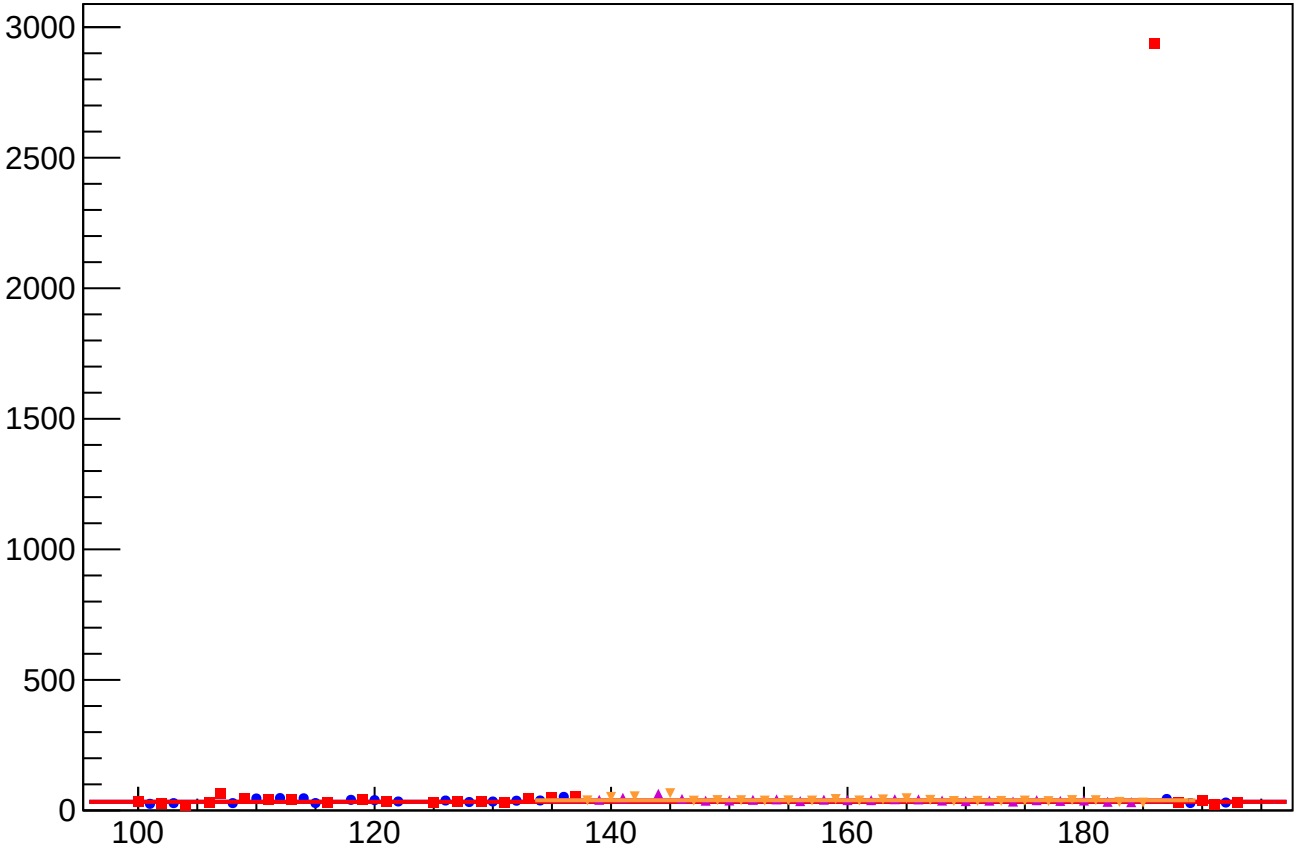
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

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

All: 0.002+/-0.005 χ^2/NDF: 77.2/88

- sign 0.007+/-0.007 χ^2/NDF: 39.4/45

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: 33.012+/-0.008 χ^2/NDF: 1782389.1/22

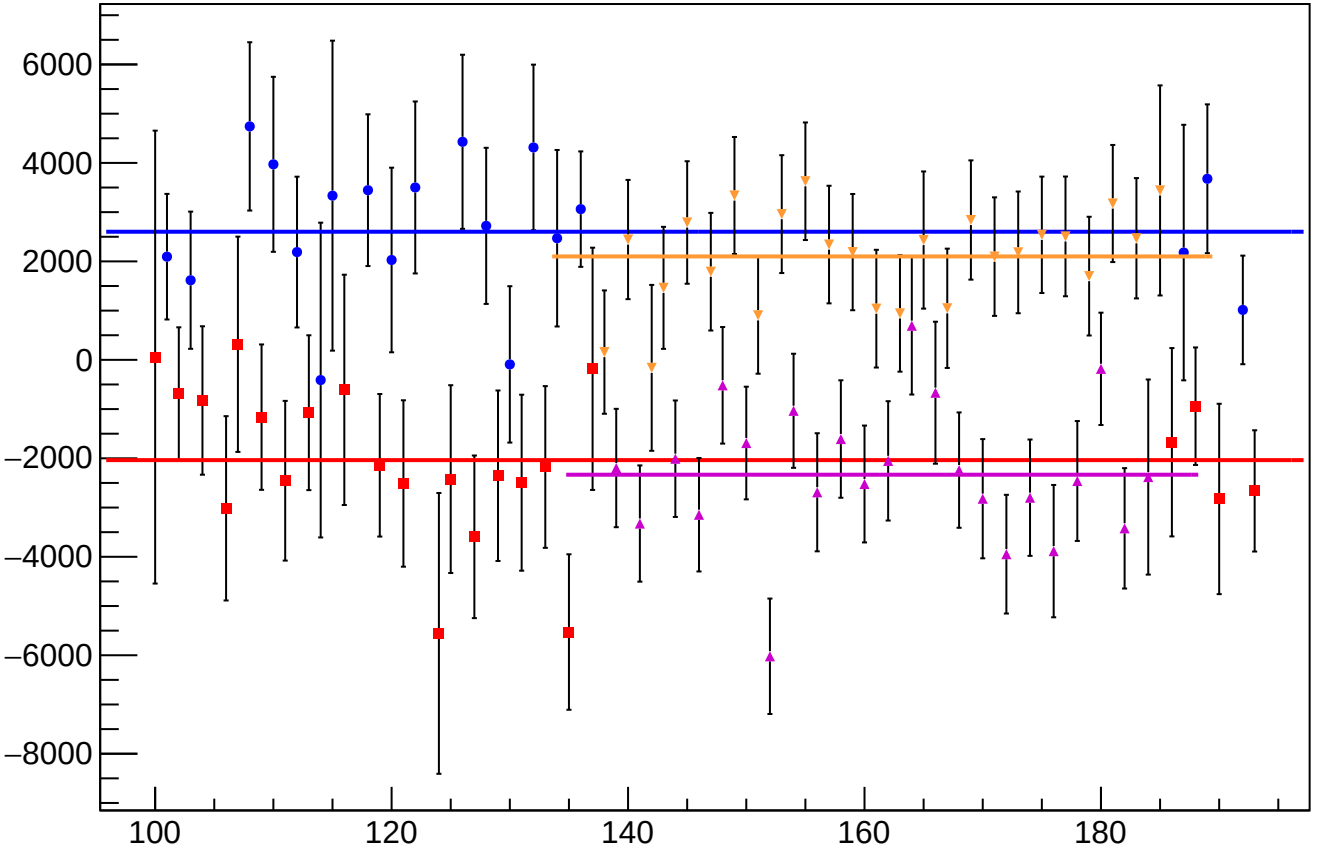
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

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

All: 36.730+/-0.004 χ^2/NDF: 4231255.7/88

\- sign 36.643+/-0.005 χ^2/NDF: 2646463.8/45

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: -2036.541+/-352.769 χ^2/NDF: 13.9/22

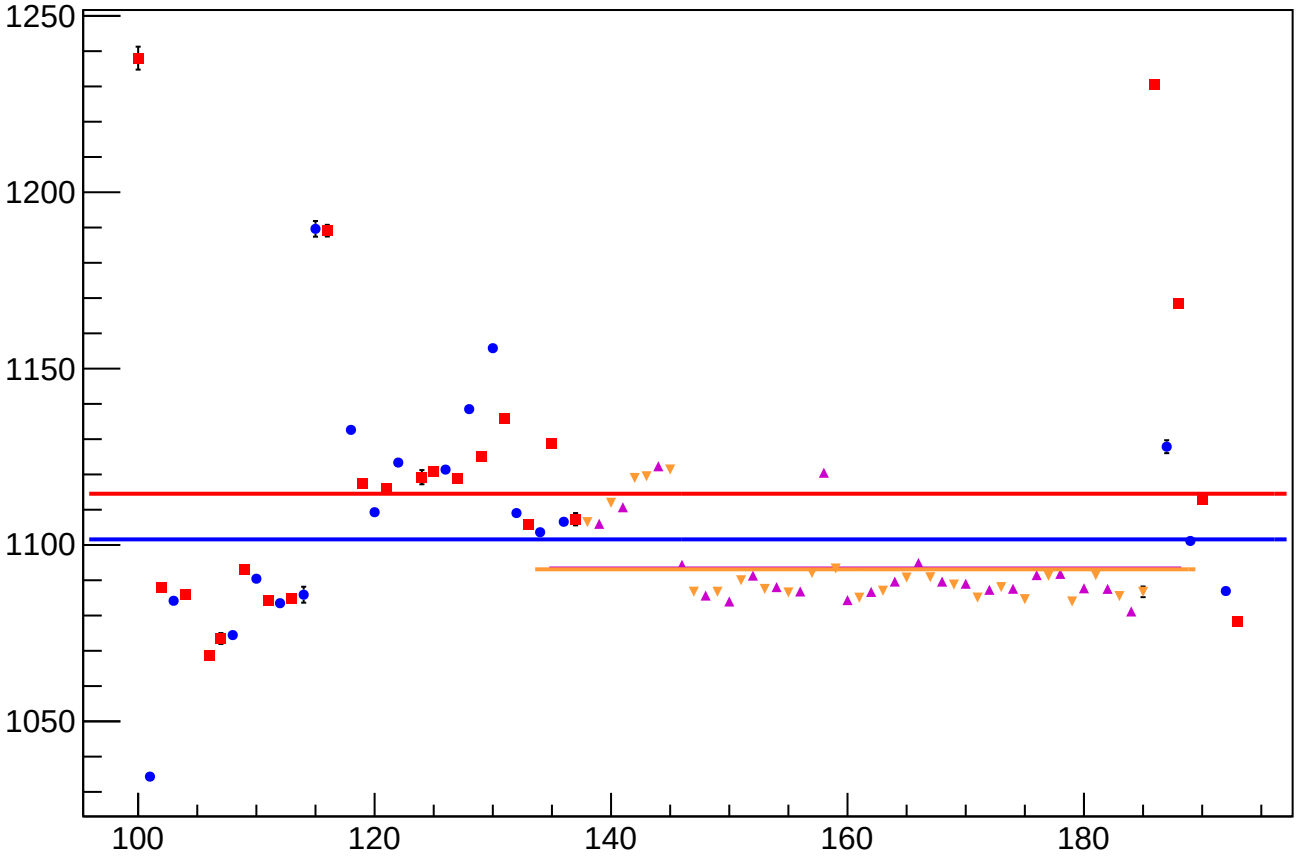
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

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

All: 22.603+/-145.926 χ^2/NDF: 307.6/89

- sign -2231.078+/-206.813 χ^2/NDF: 43.8/45

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: 1114.530+/-0.249 χ^2/NDF: 22503.7/22

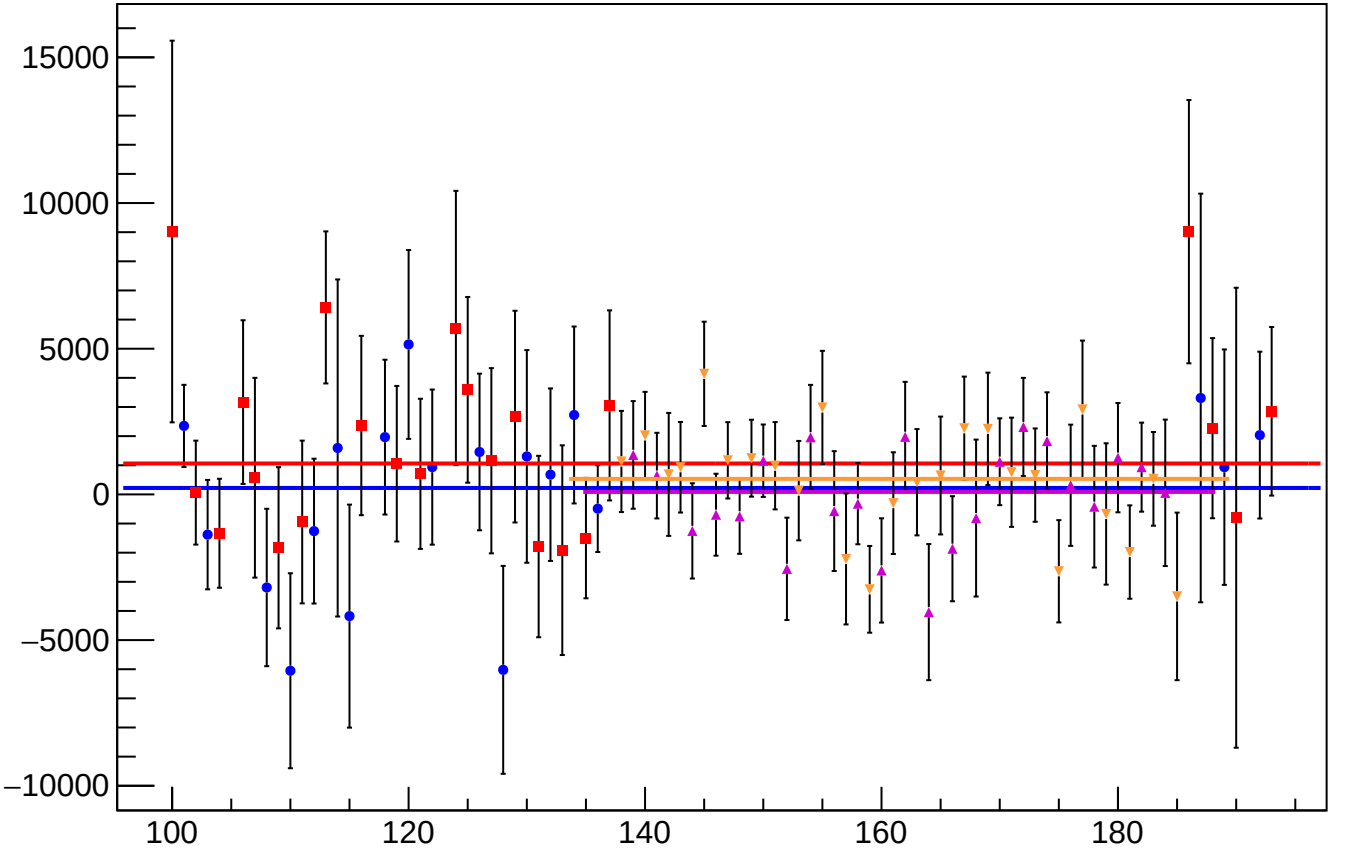
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

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

All: 1098.176+/-0.103 χ^2/NDF: 50040.5/89

- sign 1100.622+/-0.146 χ^2/NDF: 30966.2/45

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: 1061.323+/-602.589 χ^2/NDF: 19.0/22

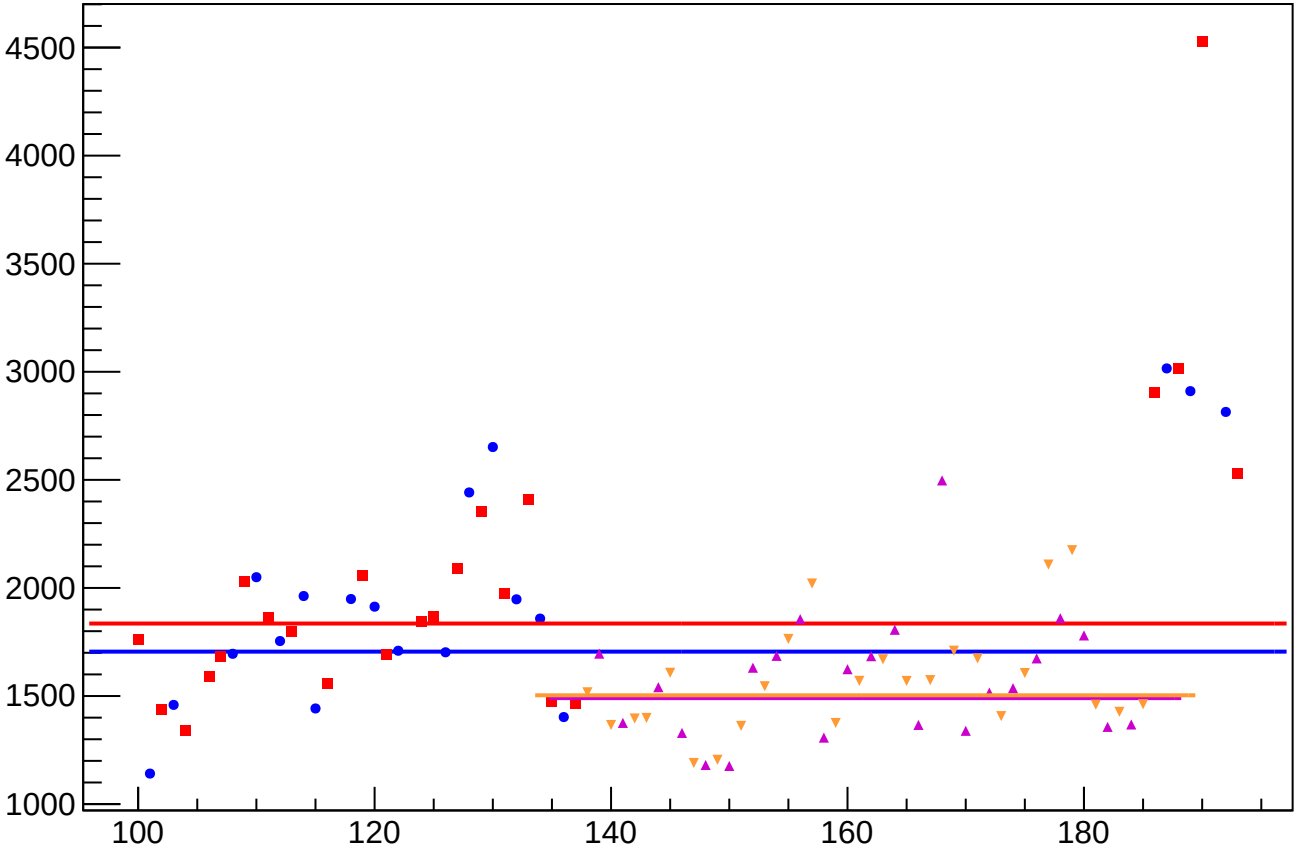
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

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

All: 395.785+/-213.920 χ^2/NDF: 83.3/89

- sign 335.669+/-305.185 χ^2/NDF: 39.0/45

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: 1835.378+/-0.426 χ^2/NDF: 1253584.8/22

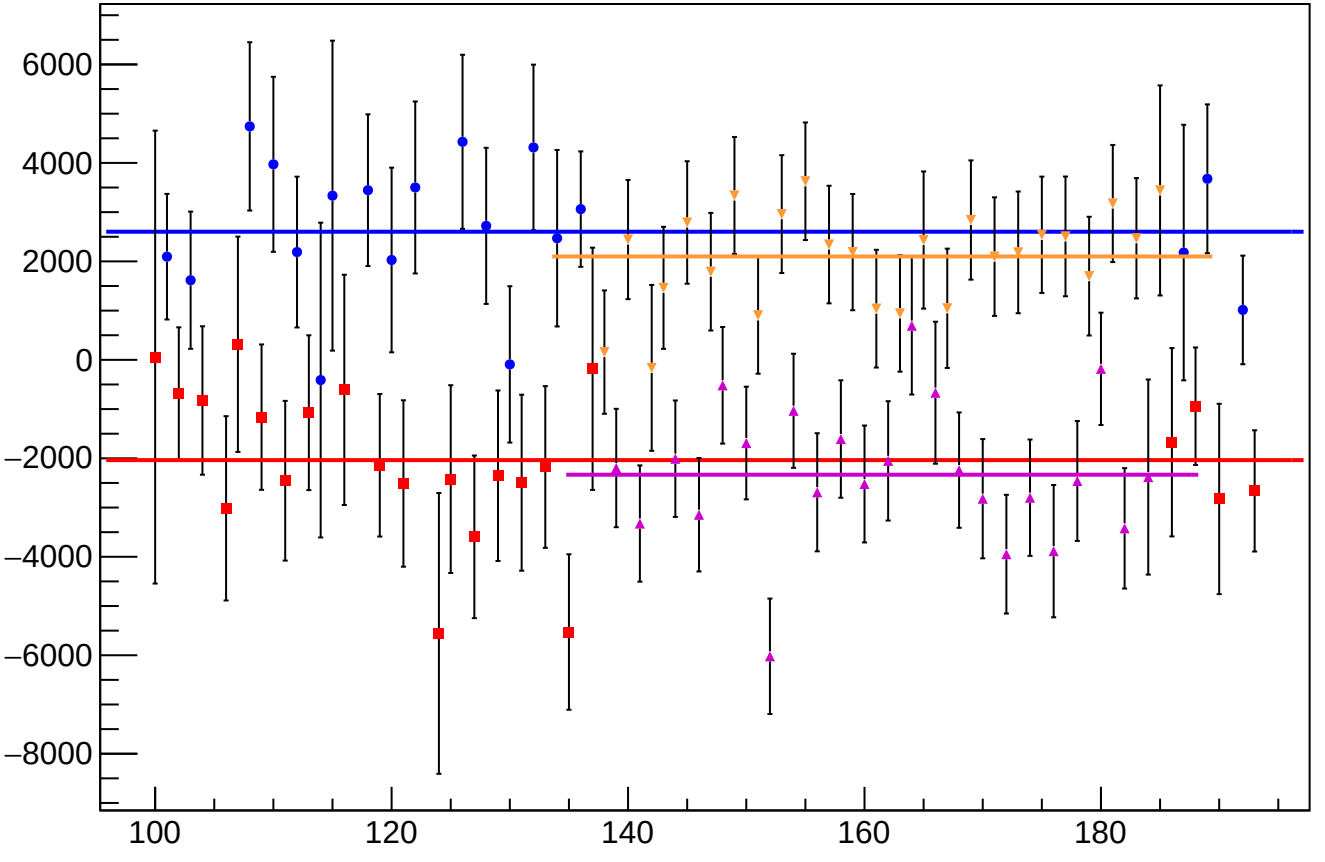
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

All: 1566.548+/-0.151 χ^2/NDF: 4971064.6/89

- sign 1578.822+/-0.216 χ^2/NDF: 2709411.3/45

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: -2036.541+/-352.769 χ^2/NDF: 13.9/22

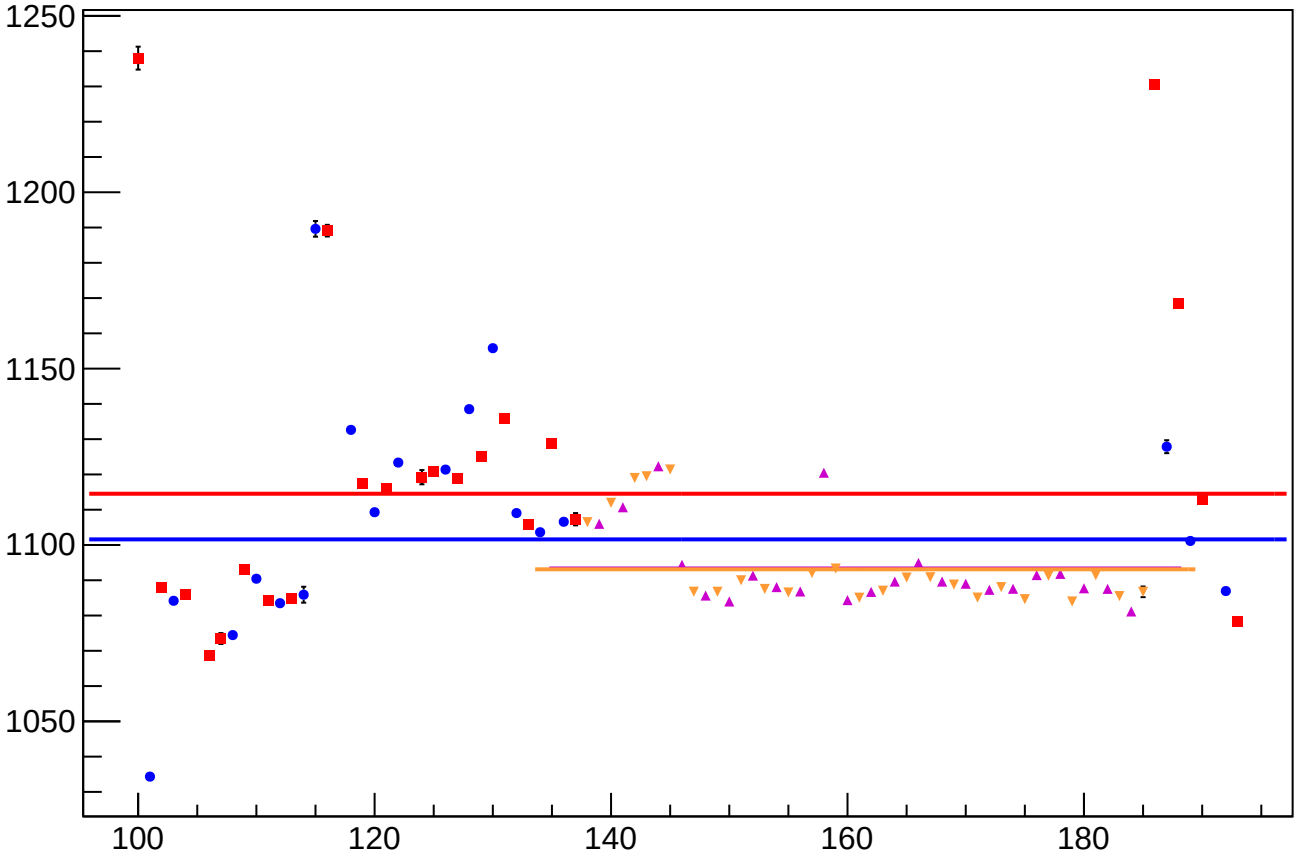
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

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

All: 22.603+/-145.926 χ^2/NDF: 307.6/89

- sign -2231.078+/-206.813 χ^2/NDF: 43.8/45

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: 1114.530+/-0.249 χ^2/NDF: 22503.7/22

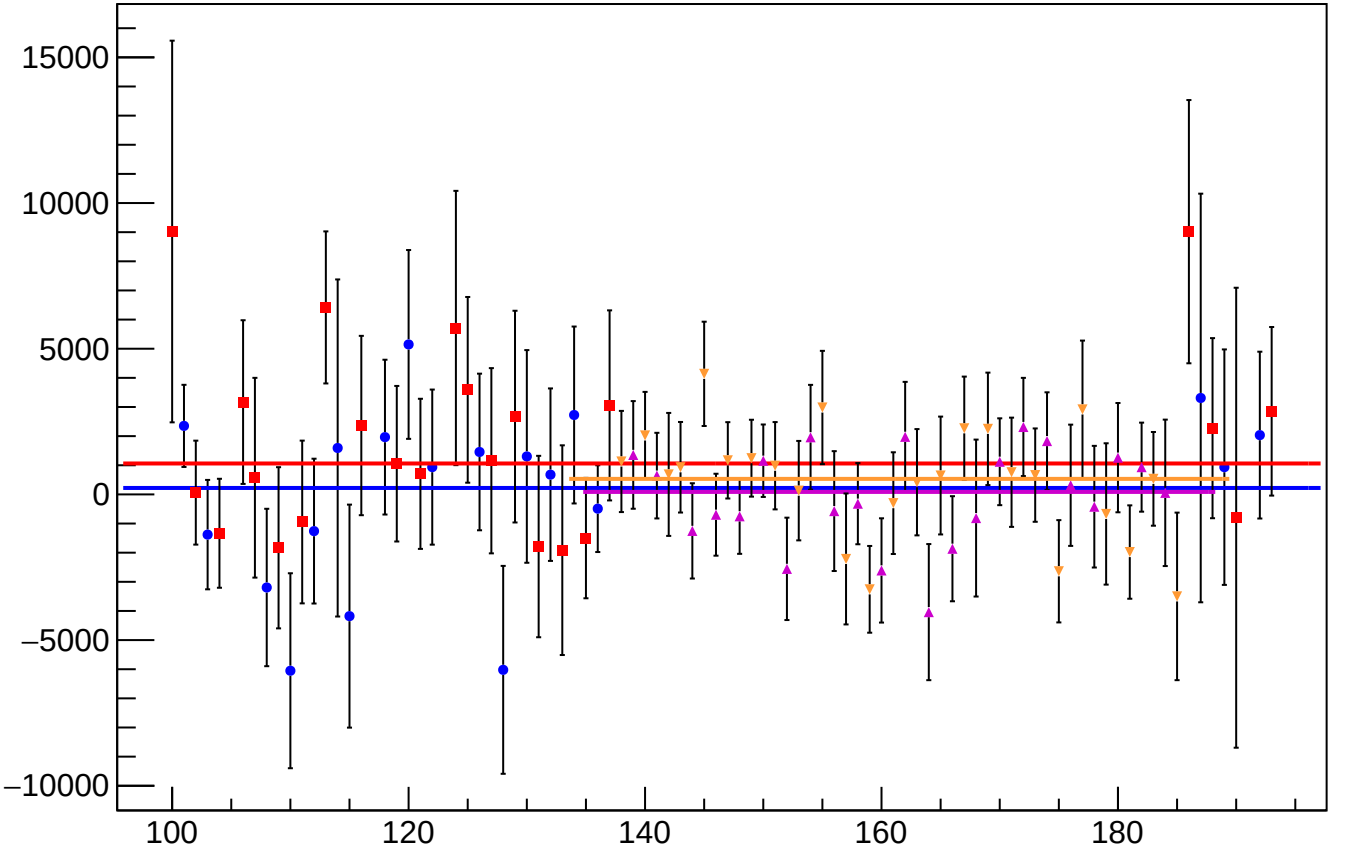
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

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

All: 1098.176+/-0.103 χ^2/NDF: 50040.5/89

- sign 1100.622+/-0.146 χ^2/NDF: 30966.2/45

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: 1061.323+/-602.589 χ^2/NDF: 19.0/22

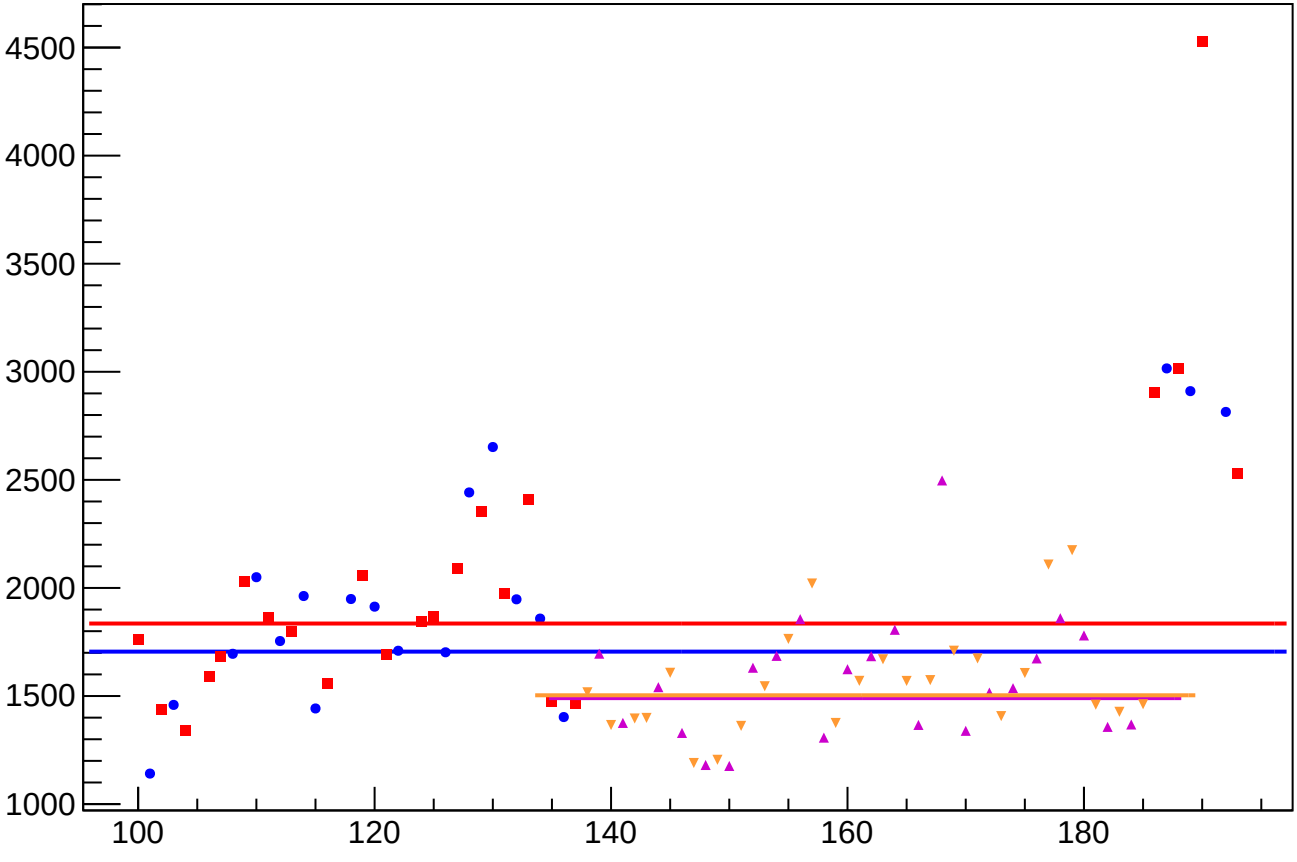
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

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

All: 395.785+/-213.920 χ^2/NDF: 83.3/89

- sign 335.669+/-305.185 χ^2/NDF: 39.0/45

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: 1835.378+/-0.426 χ^2/NDF: 1253584.8/22

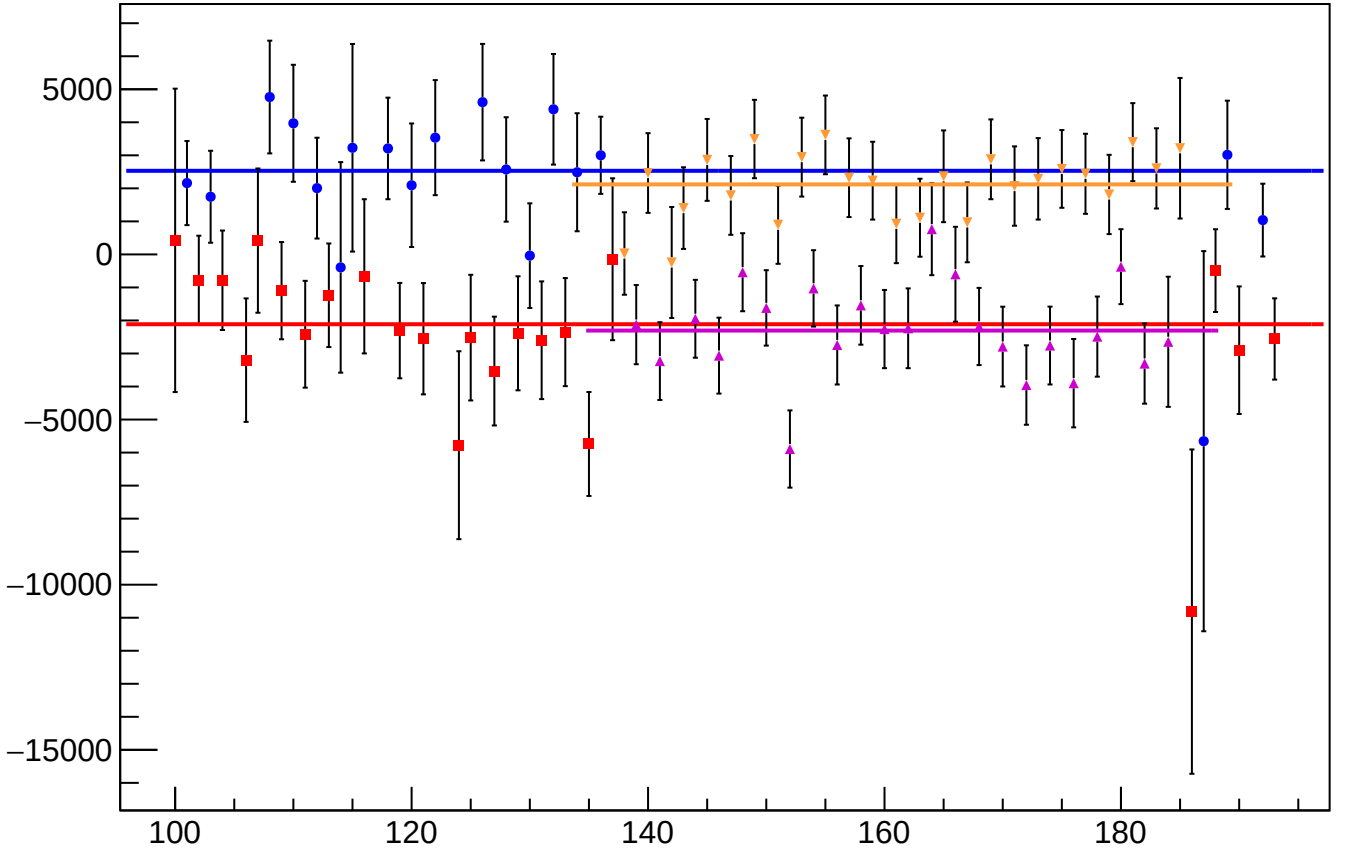
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

All: 1566.548+/-0.151 χ^2/NDF: 4971064.6/89

- sign 1578.822+/-0.216 χ^2/NDF: 2709411.3/45

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: -2113.862+/-358.722 χ^2/NDF: 18.7/22

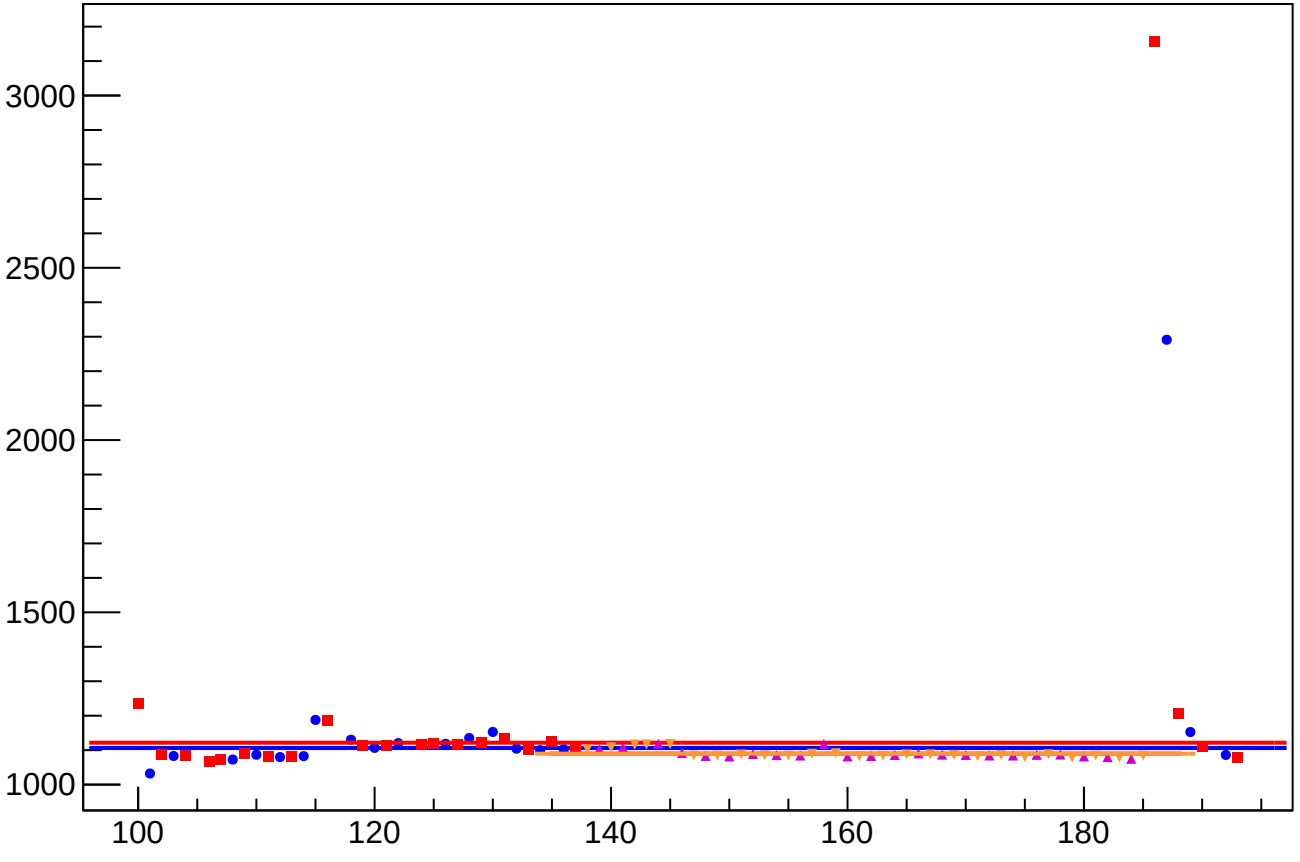
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

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

All: 17.731+/-146.269 χ^2/NDF: 312.3/89

- sign -2241.279+/-207.566 χ^2/NDF: 47.3/45

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: 1121.569+/-0.254 χ^2/NDF: 366921.6/22

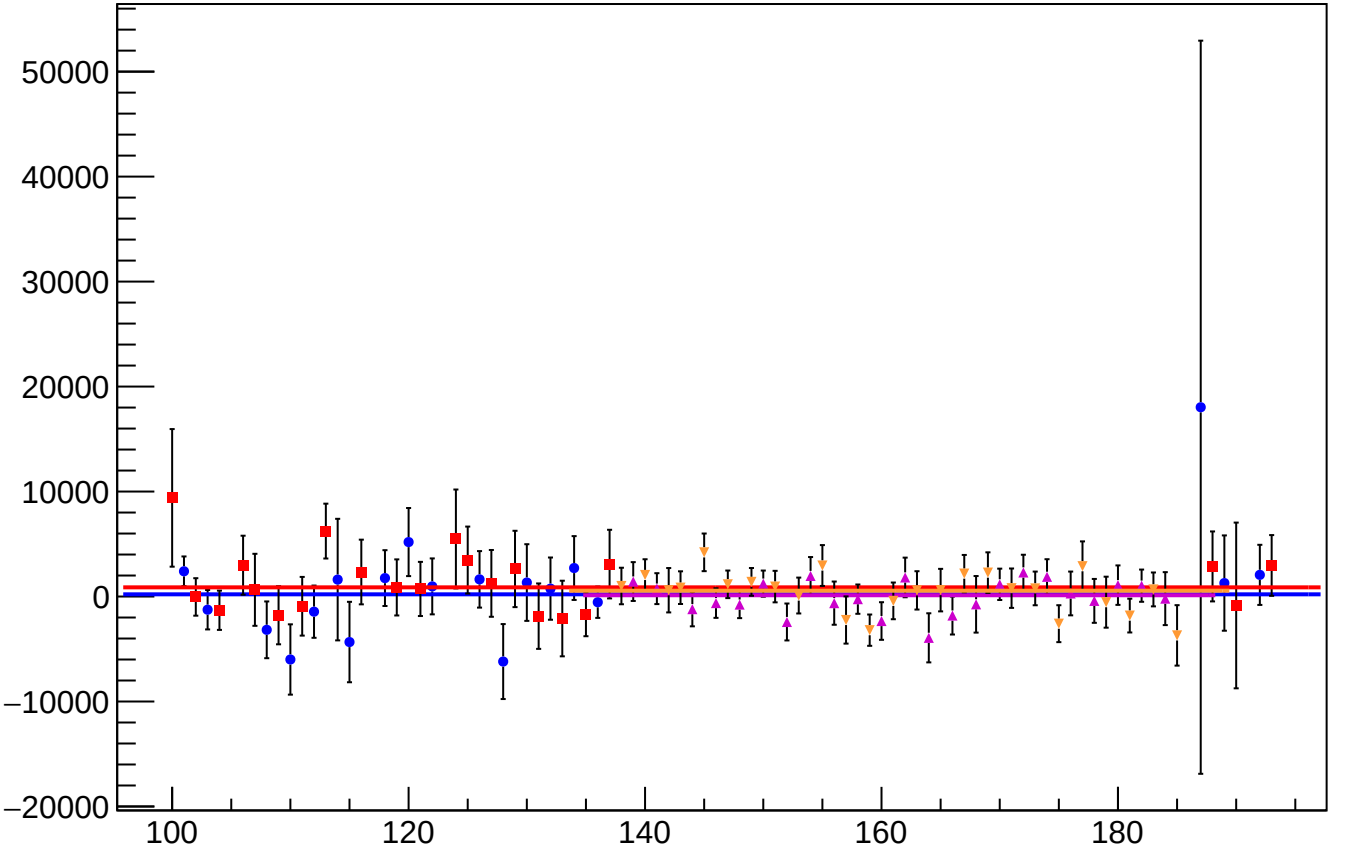
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

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

All: 1097.645+/-0.103 χ^2/NDF: 489263.6/89

\- sign 1100.546+/-0.147 χ^2/NDF: 381144.6/45

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: 874.281+/-610.223 χ^2/NDF: 15.9/21

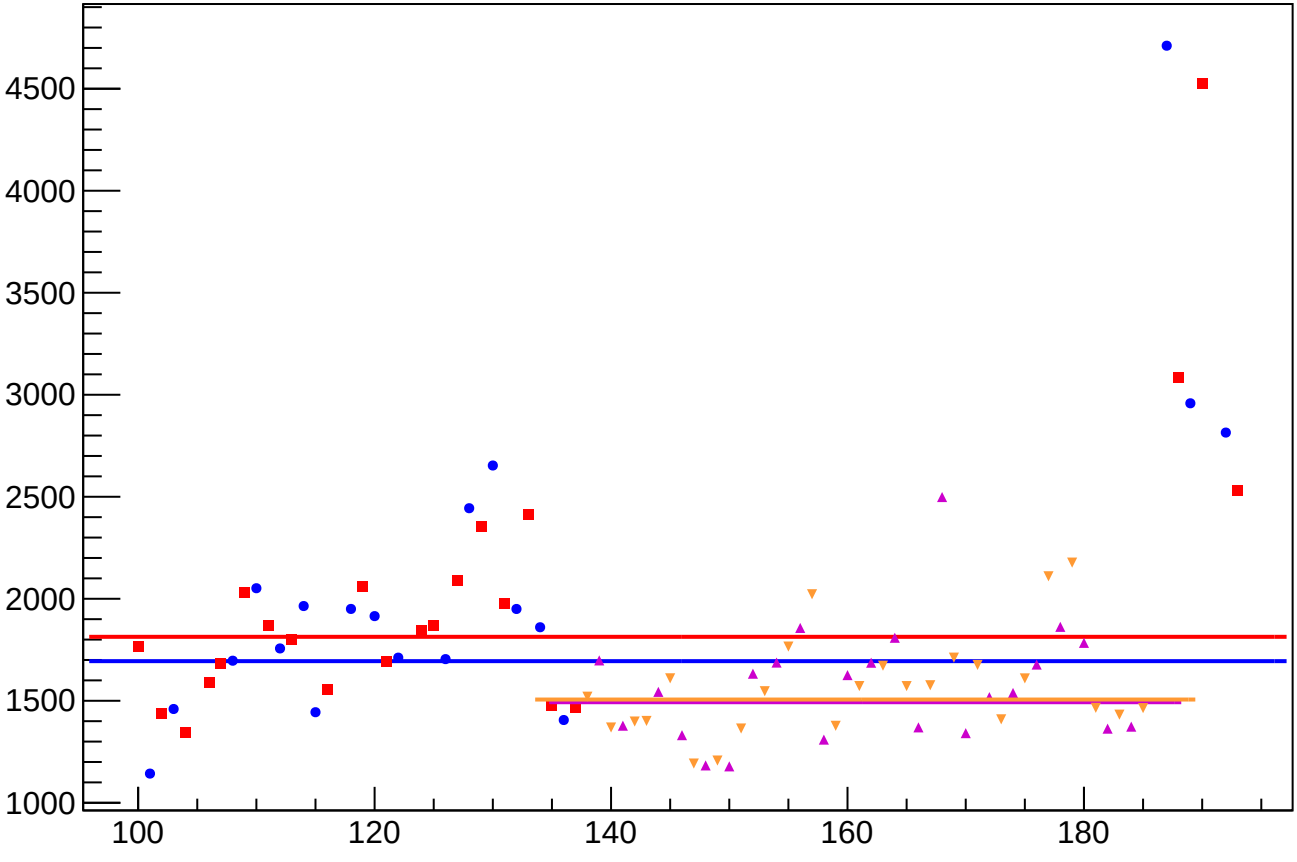
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

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

All: 390.717+/-214.721 χ^2/NDF: 78.7/88

- sign 311.421+/-306.555 χ^2/NDF: 34.2/44

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: 1813.524+/-0.431 χ^2/NDF: 1125675.2/21

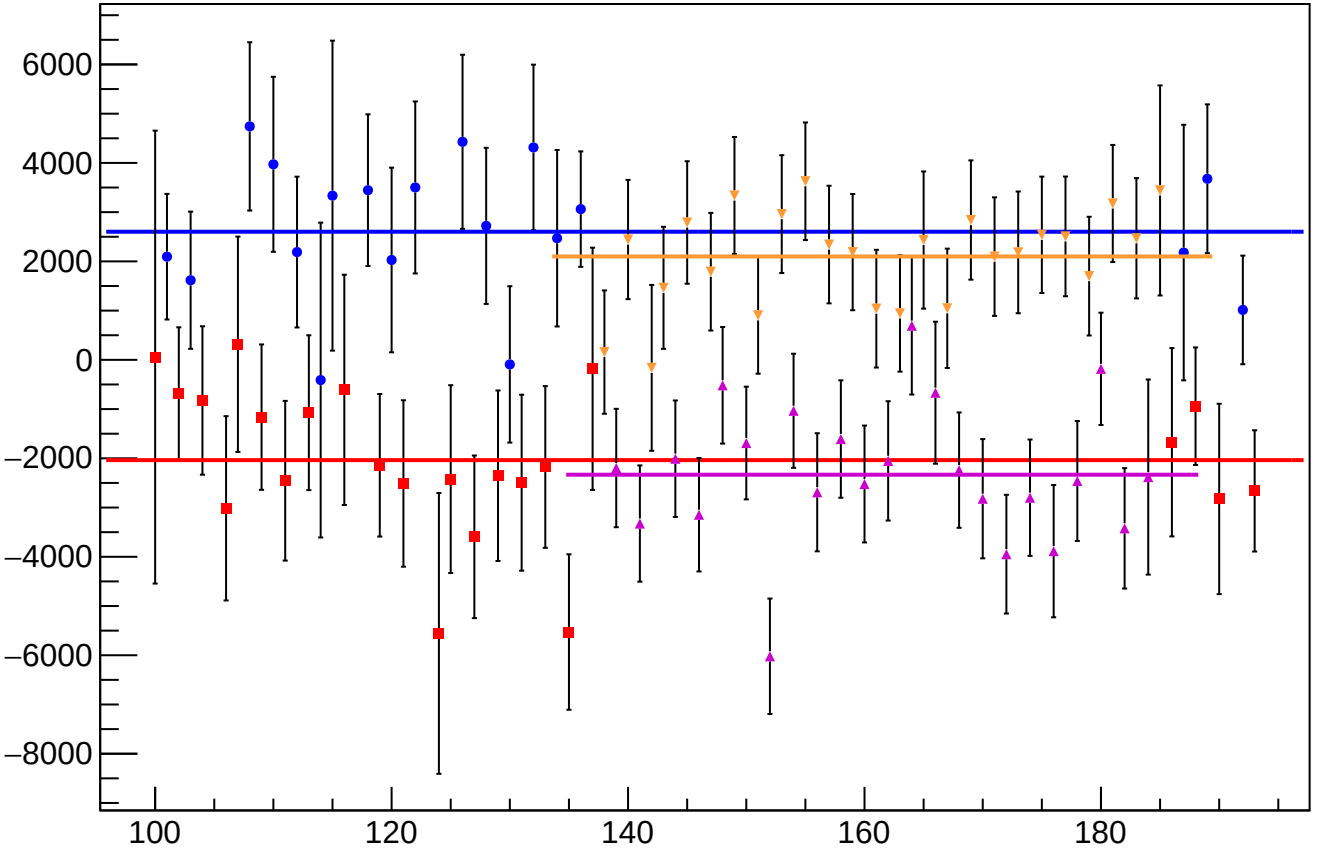
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

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

All: 1563.490+/-0.152 χ^2/NDF: 4649724.7/88

- sign 1573.873+/-0.217 χ^2/NDF: 2502629.2/44

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: -2036.541+/-352.769 χ^2/NDF: 13.9/22

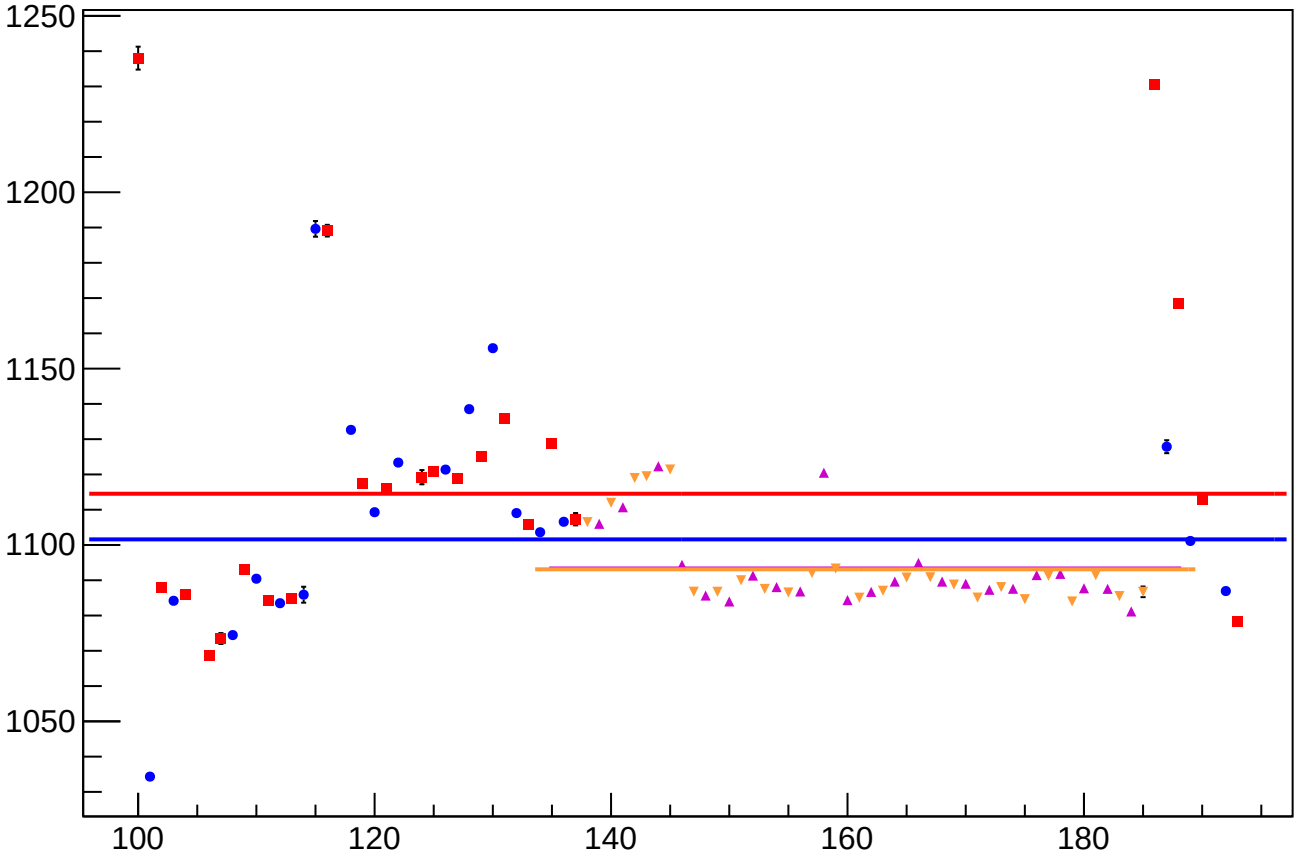
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

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

All: 22.603+/-145.926 χ^2/NDF: 307.6/89

- sign -2231.078+/-206.813 χ^2/NDF: 43.8/45

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: 1114.530+/-0.249 χ^2/NDF: 22503.7/22

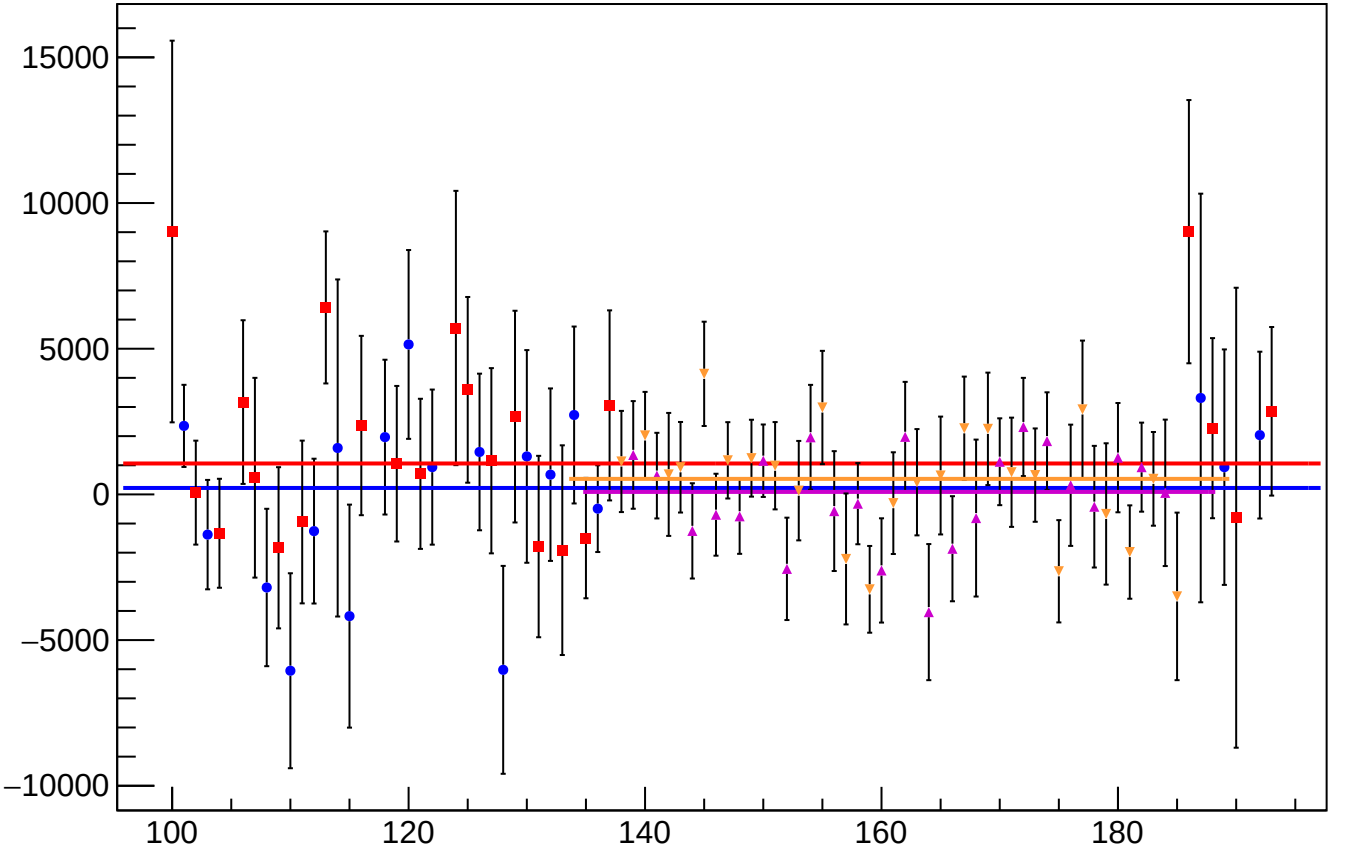
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

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

All: 1098.176+/-0.103 χ^2/NDF: 50040.5/89

- sign 1100.622+/-0.146 χ^2/NDF: 30966.2/45

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: 1061.323+/-602.589 χ^2/NDF: 19.0/22

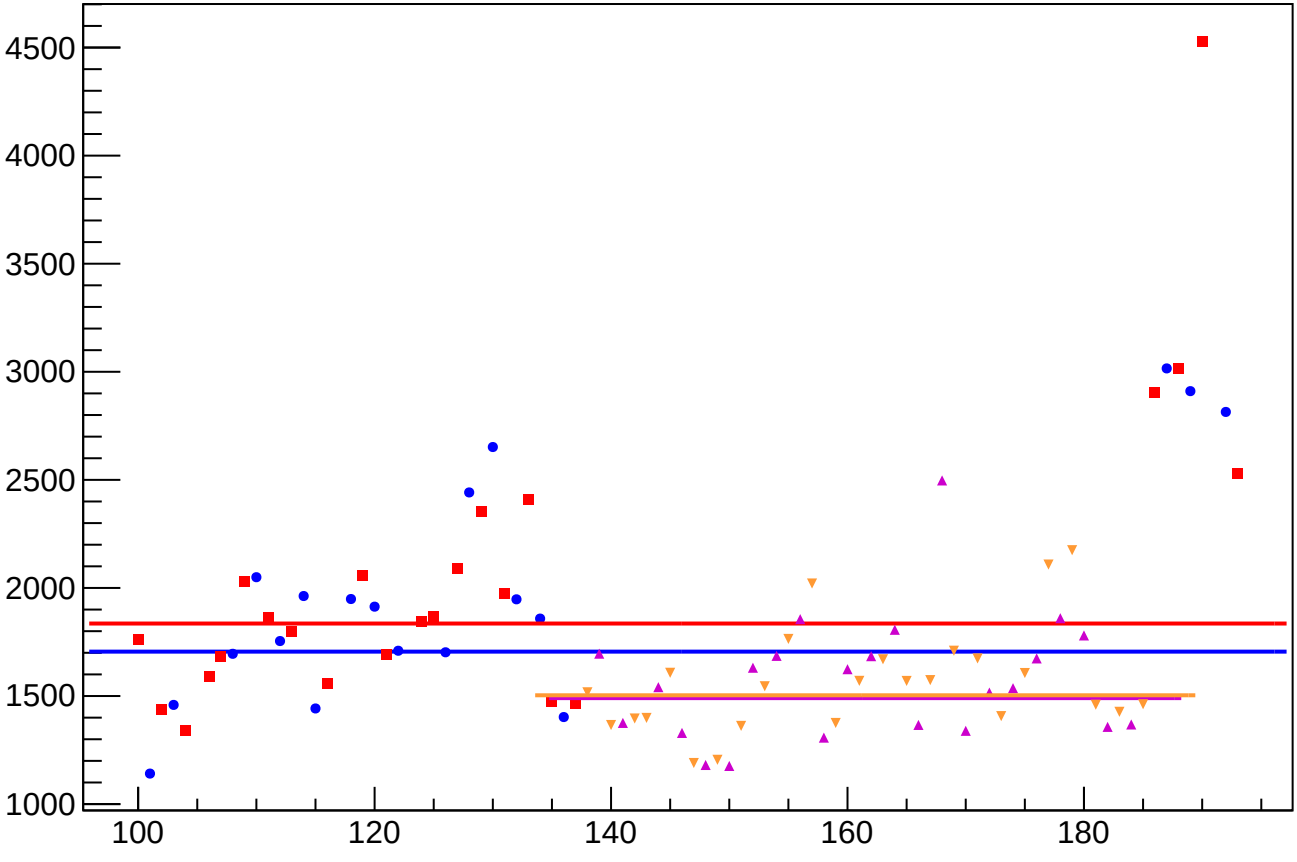
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

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

All: 395.785+/-213.920 χ^2/NDF: 83.3/89

- sign 335.669+/-305.185 χ^2/NDF: 39.0/45

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: 1835.378+/-0.426 χ^2/NDF: 1253584.8/22

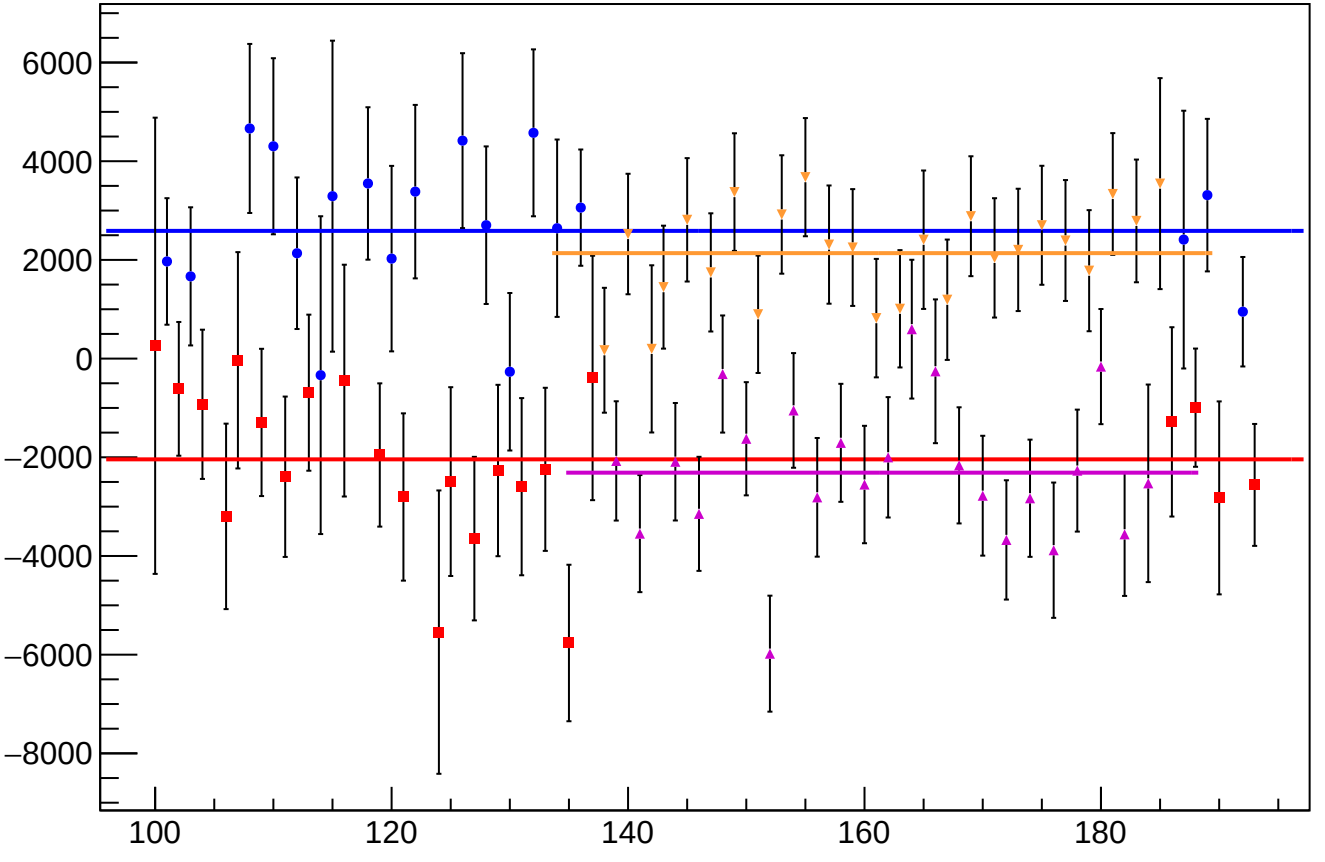
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

All: 1566.548+/-0.151 χ^2/NDF: 4971064.6/89

\- sign 1578.822+/-0.216 χ^2/NDF: 2709411.3/45

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: -2041.819+/-354.345 χ^2/NDF: 14.6/22

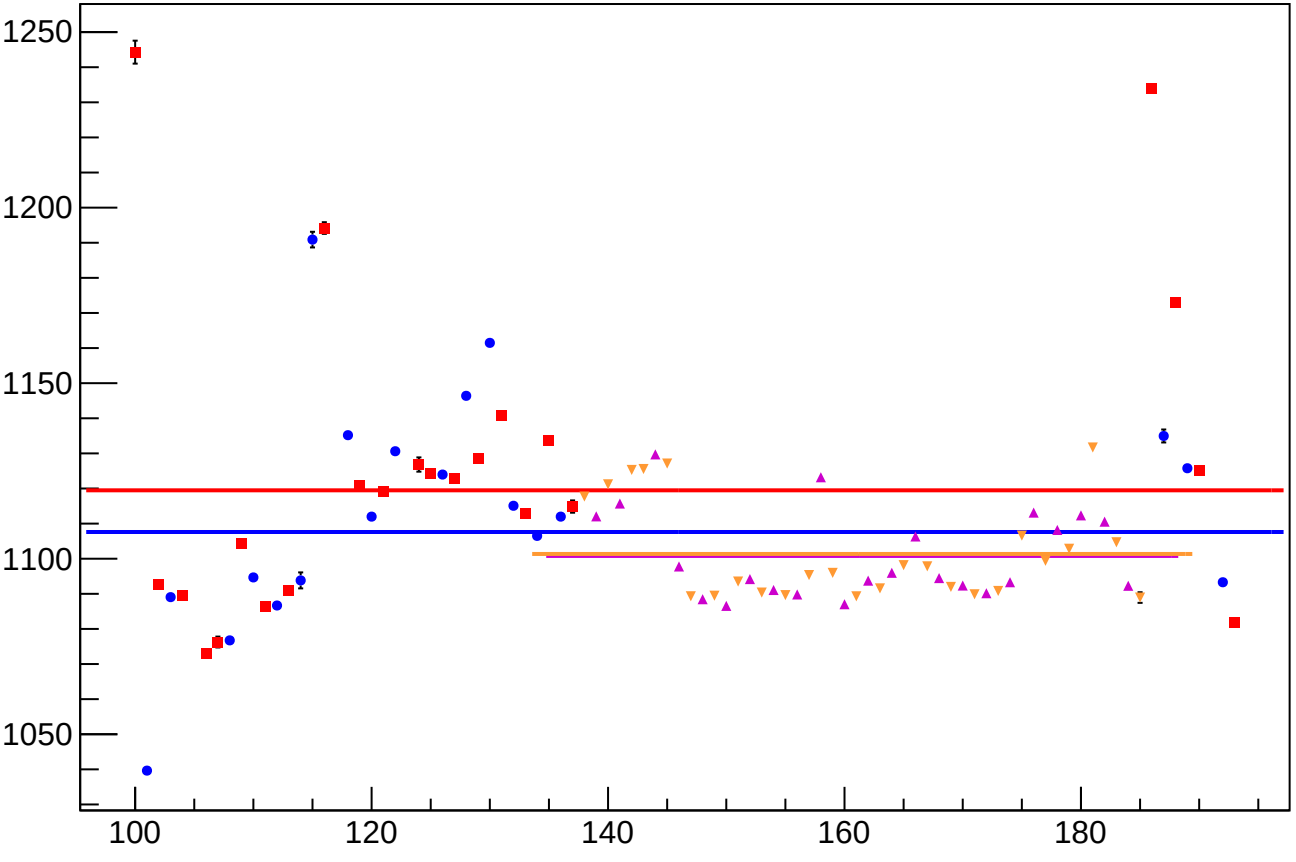
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

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

All: 37.421+/-146.873 χ^2/NDF: 307.2/89

- sign -2218.693+/-208.061 χ^2/NDF: 45.0/45

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: 1119.481+/-0.251 χ^2/NDF: 22313.5/22

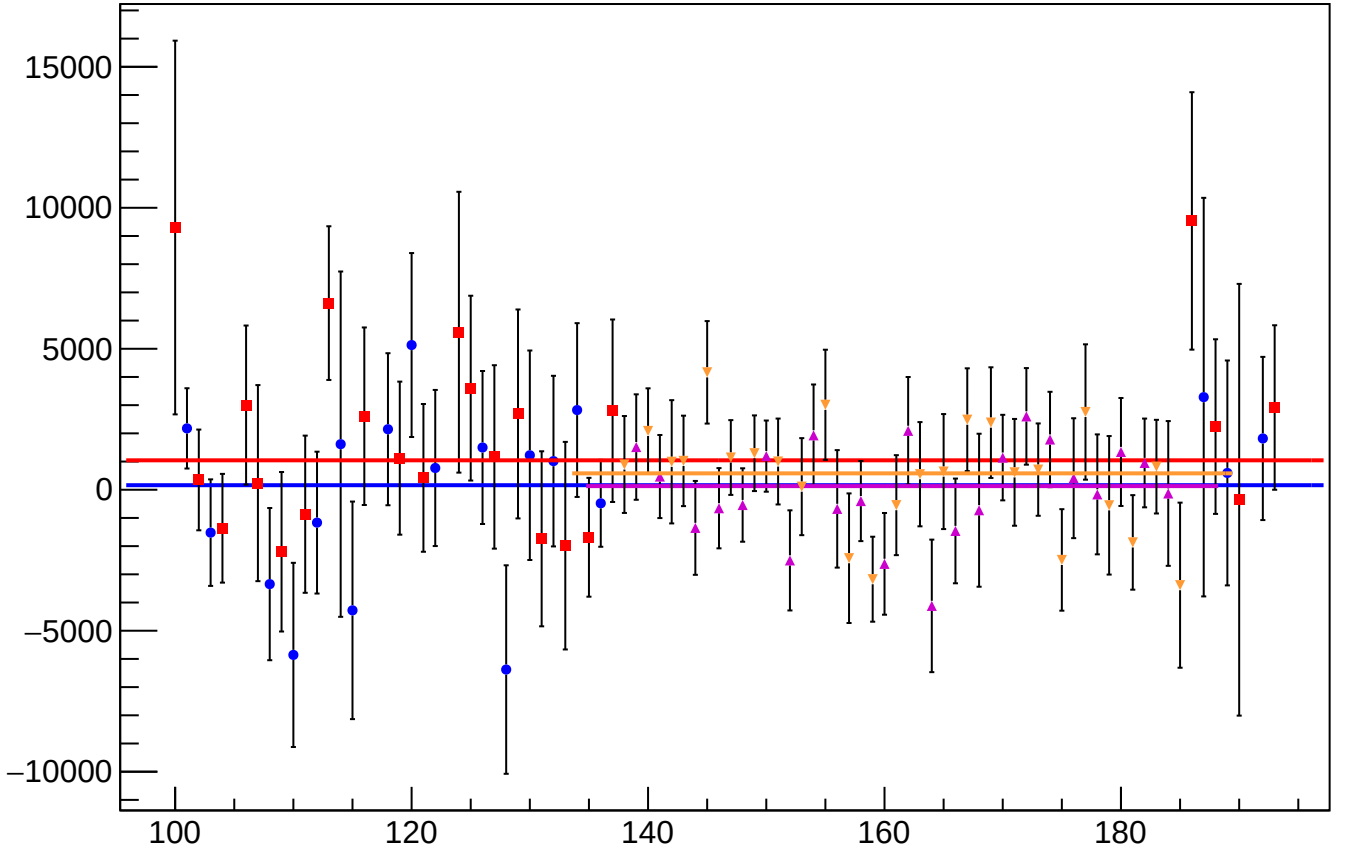
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

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

All: 1105.267+/-0.104 χ^2/NDF: 51348.8/89

- sign 1107.236+/-0.147 χ^2/NDF: 30600.6/45

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: 1043.862+/-612.008 χ^2/NDF: 19.2/22

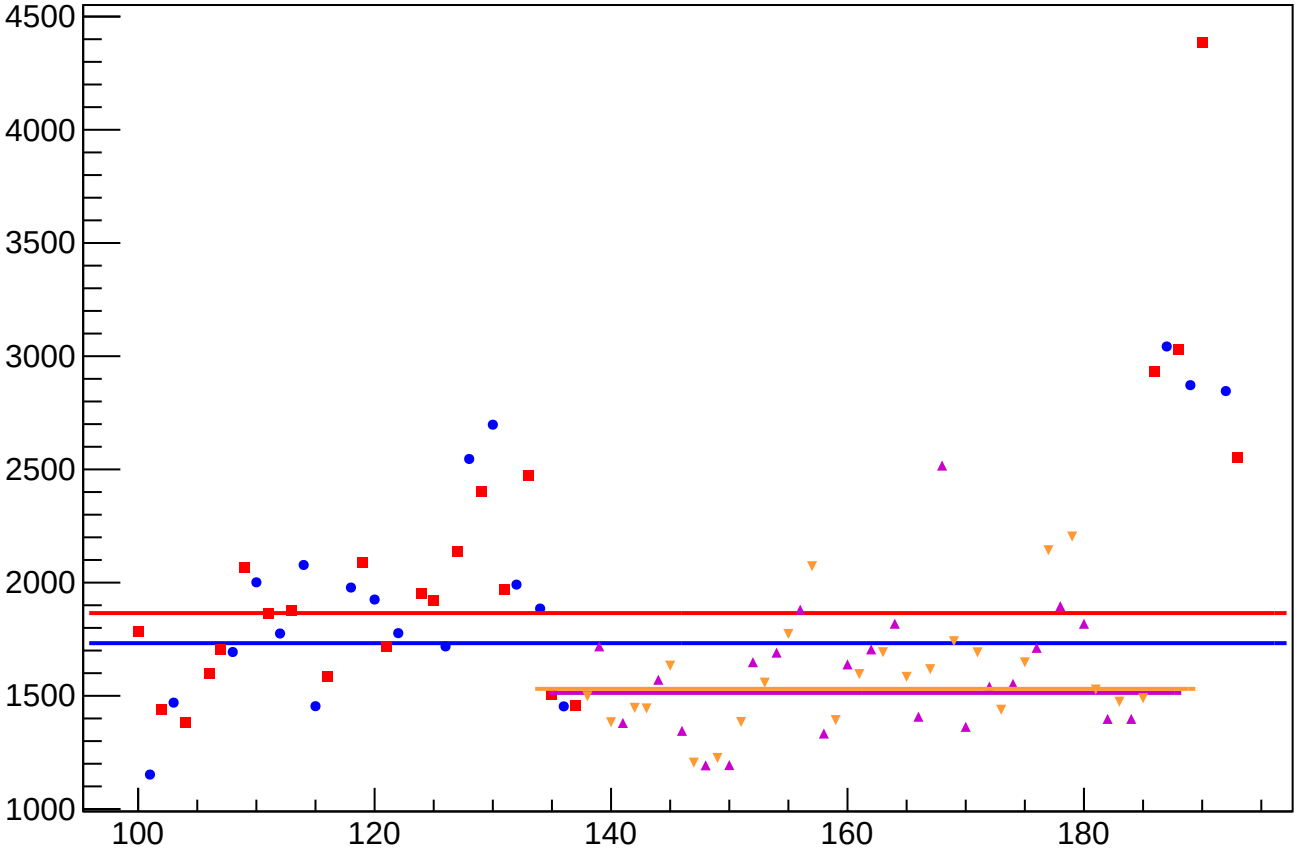
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

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

All: 419.625+/-217.349 χ^2/NDF: 82.0/89

- sign 363.161+/-309.739 χ^2/NDF: 38.7/45

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: 1865.431+/-0.433 χ^2/NDF: 1230104.1/22

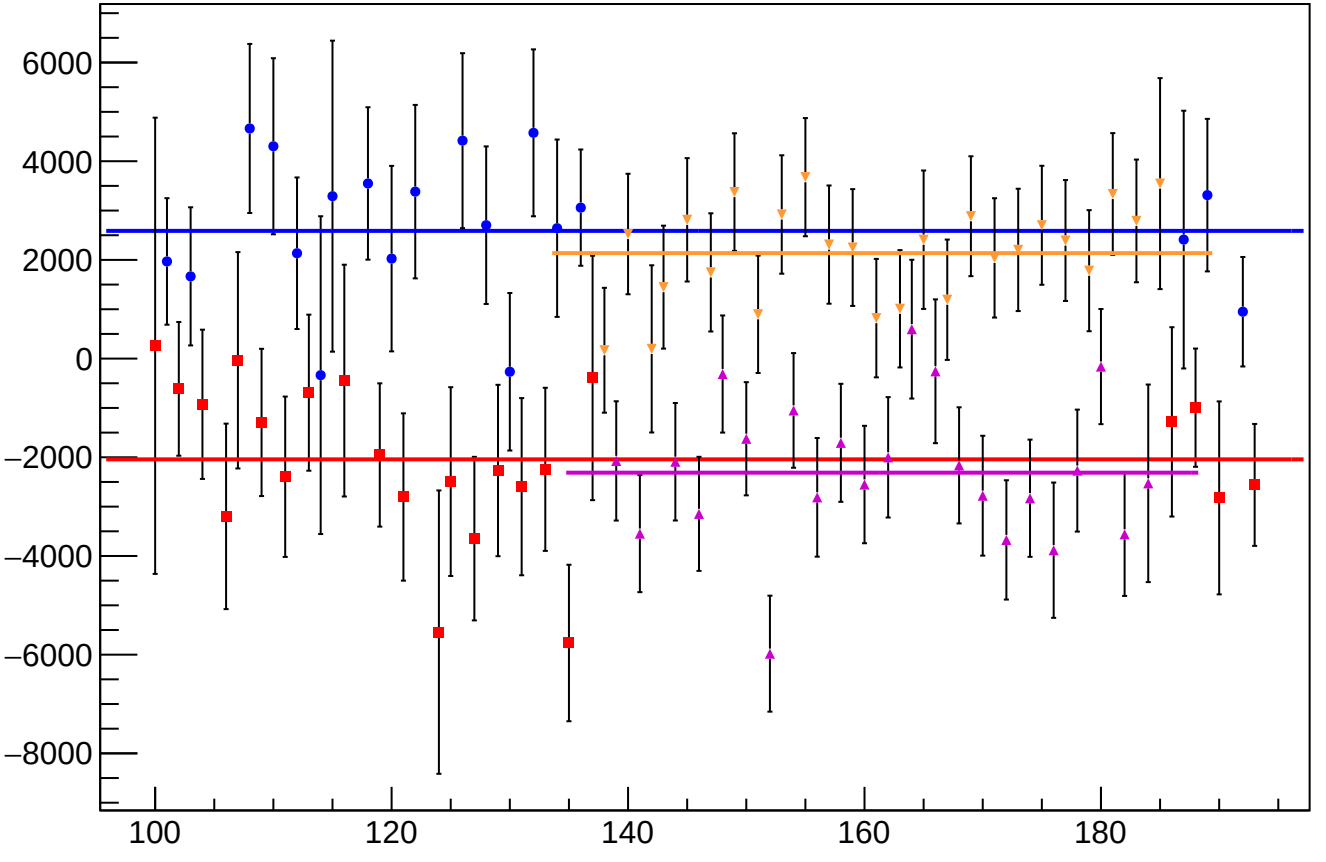
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

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

All: 1592.547+/-0.154 χ^2/NDF: 4918604.0/89

- sign 1603.232+/-0.219 χ^2/NDF: 2680661.7/45

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: -2041.821+/-354.345 χ^2/NDF: 14.6/22

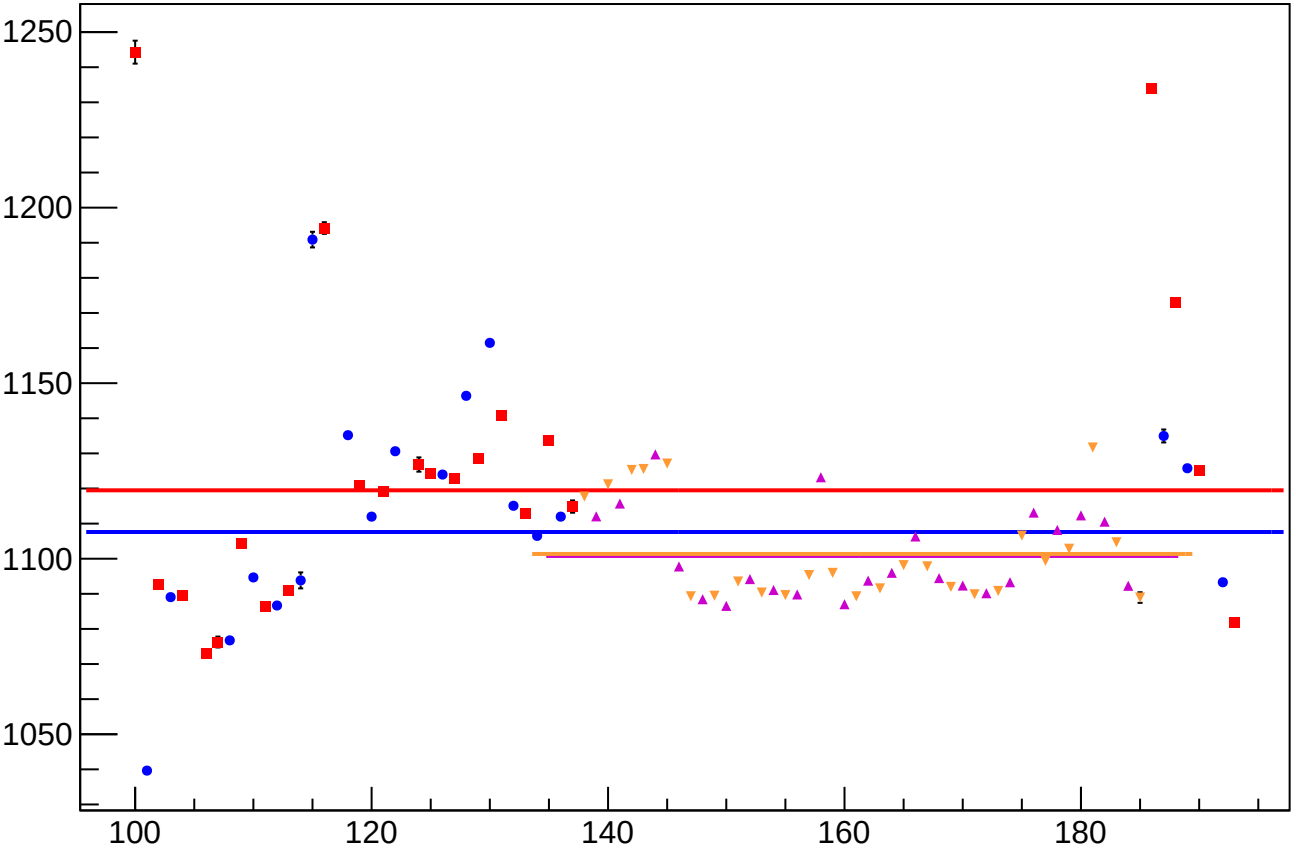
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

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

All: 37.419+/-146.873 χ^2/NDF: 307.2/89

- sign -2218.694+/-208.061 χ^2/NDF: 45.0/45

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: 1119.481+/-0.251 χ^2/NDF: 22313.5/22

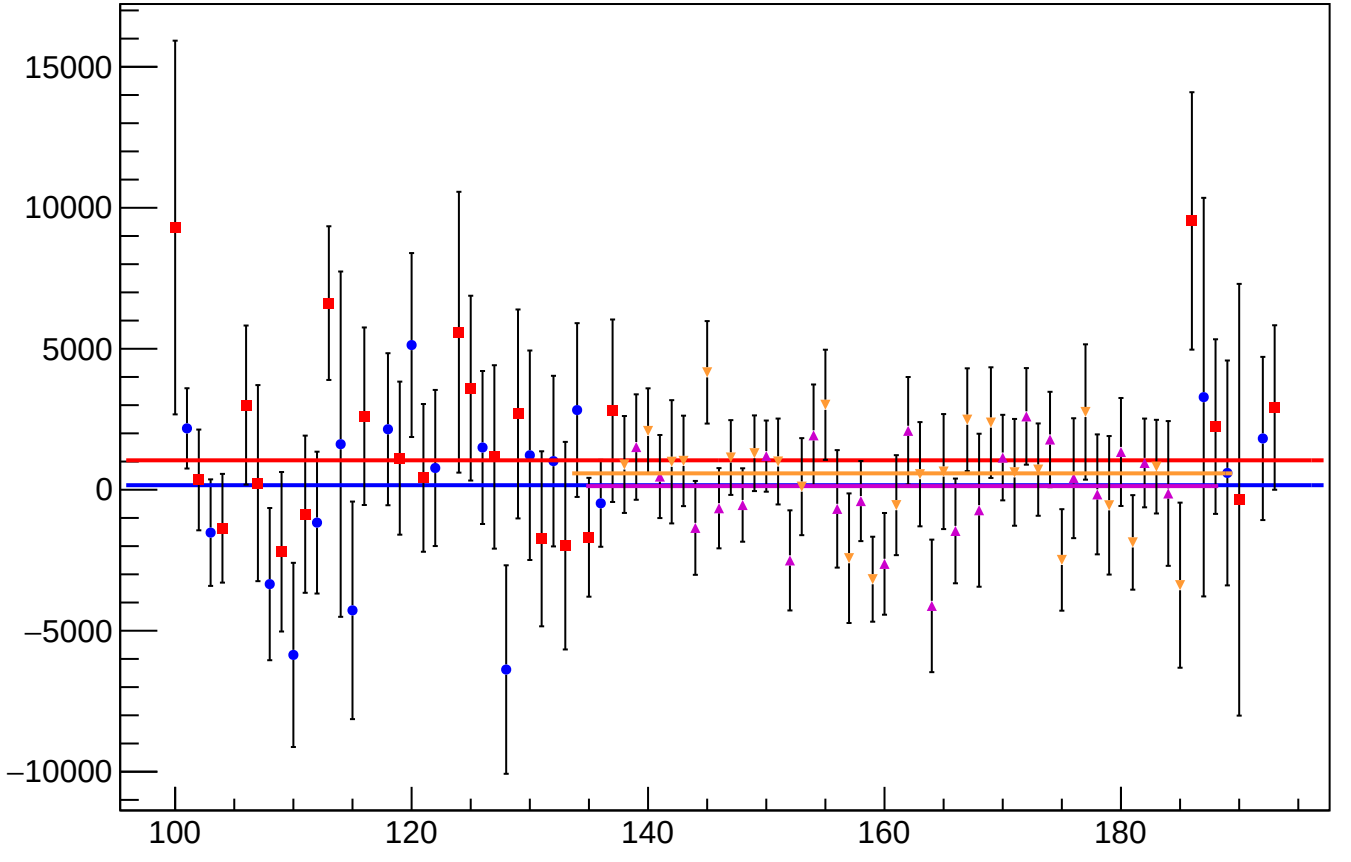
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

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

All: 1105.267+/-0.104 χ^2/NDF: 51348.6/89

- sign 1107.236+/-0.147 χ^2/NDF: 30600.5/45

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: 1043.864+/-612.007 χ^2/NDF: 19.2/22

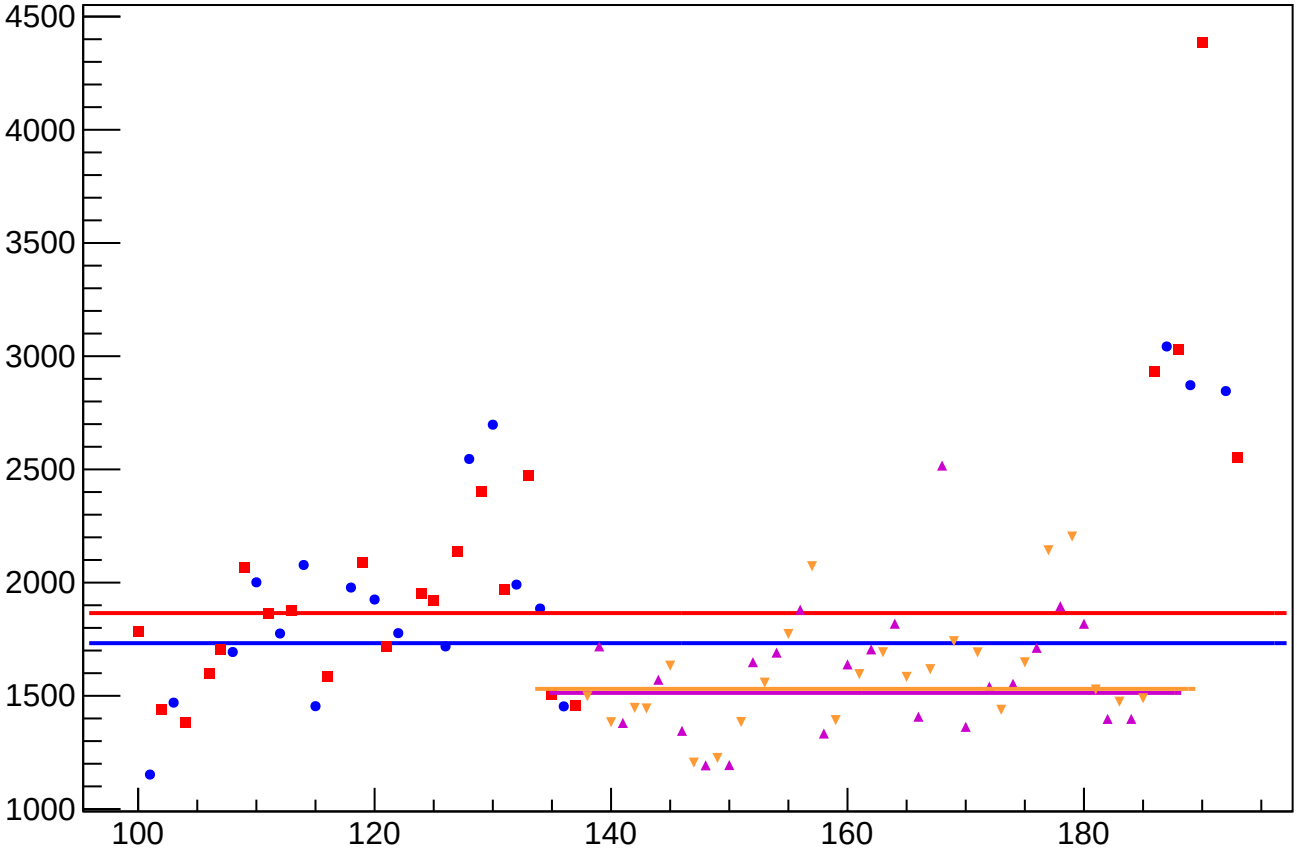
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

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

All: 419.625+/-217.349 χ^2/NDF: 82.0/89

\- sign 363.163+/-309.739 χ^2/NDF: 38.7/45

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

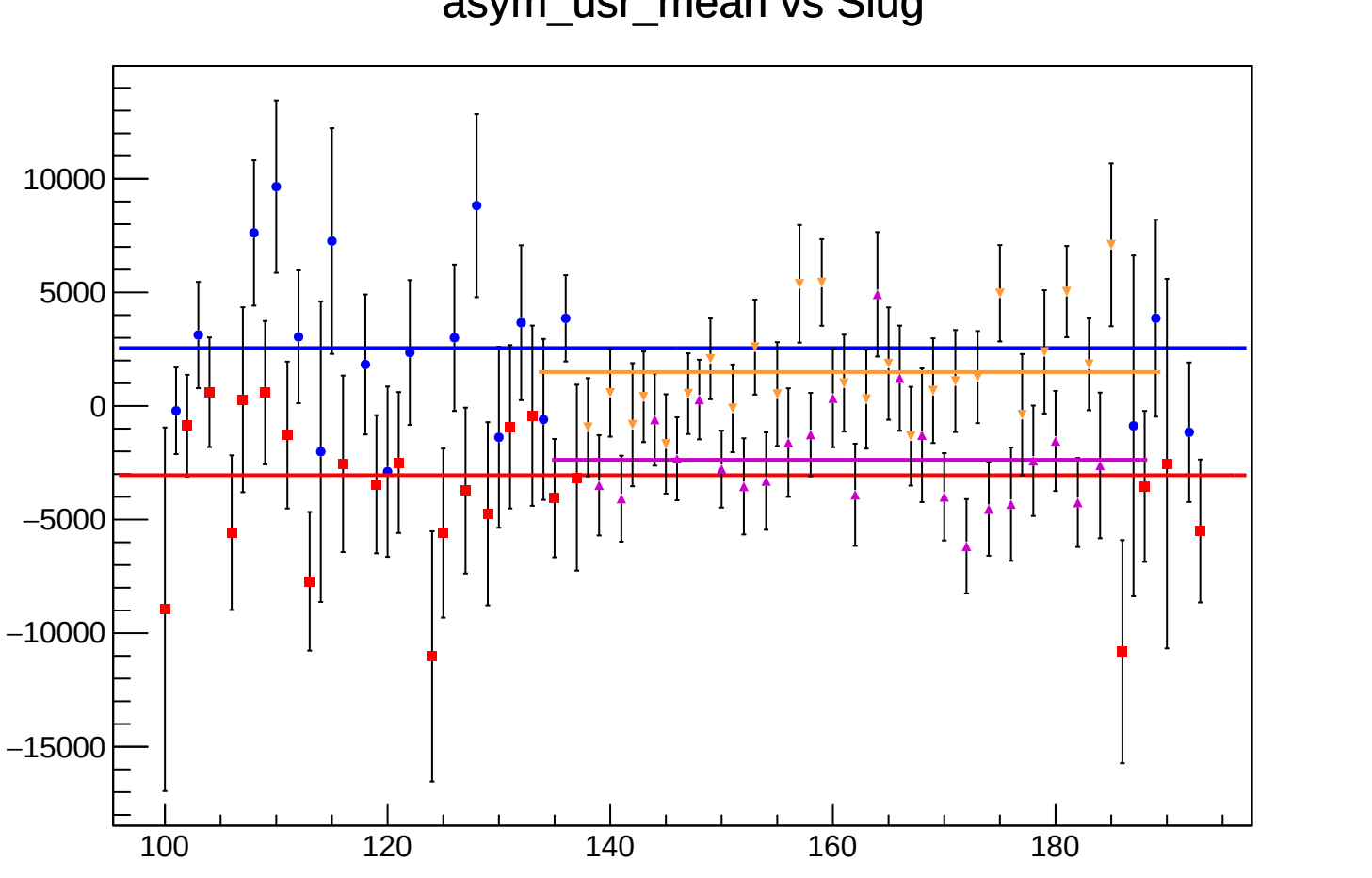
Right Out: 1865.429+/-0.433 χ^2/NDF: 1230088.5/22

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

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

All: 1592.550+/-0.154 χ^2/NDF: 4918559.2/89

- sign 1603.235+/-0.219 χ^2/NDF: 2680637.0/45



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: -3048.558+/-715.442 χ^2/NDF: 15.9/22

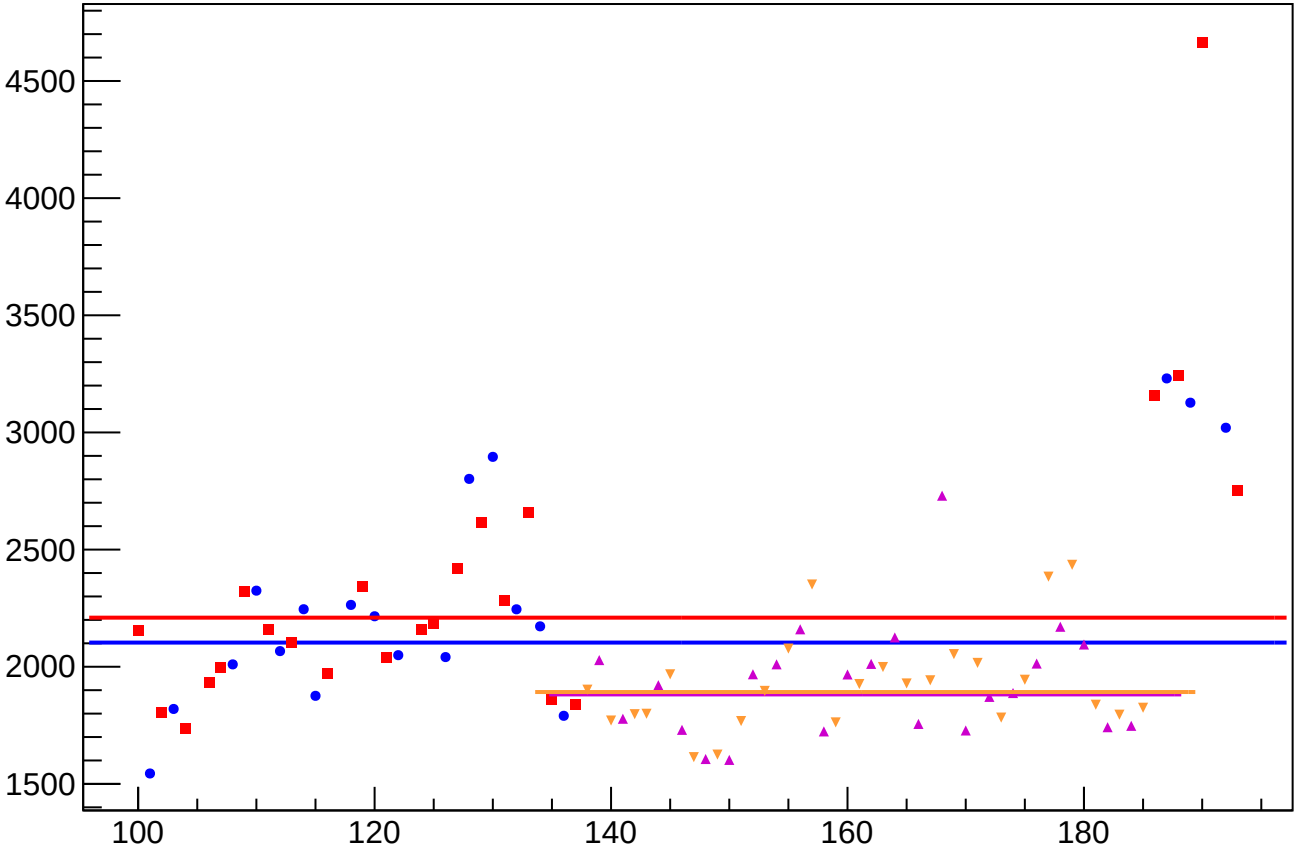
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

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

All: -361.659+/-264.435 χ^2/NDF: 151.0/89

- sign -2558.532+/-376.613 χ^2/NDF: 40.2/45

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

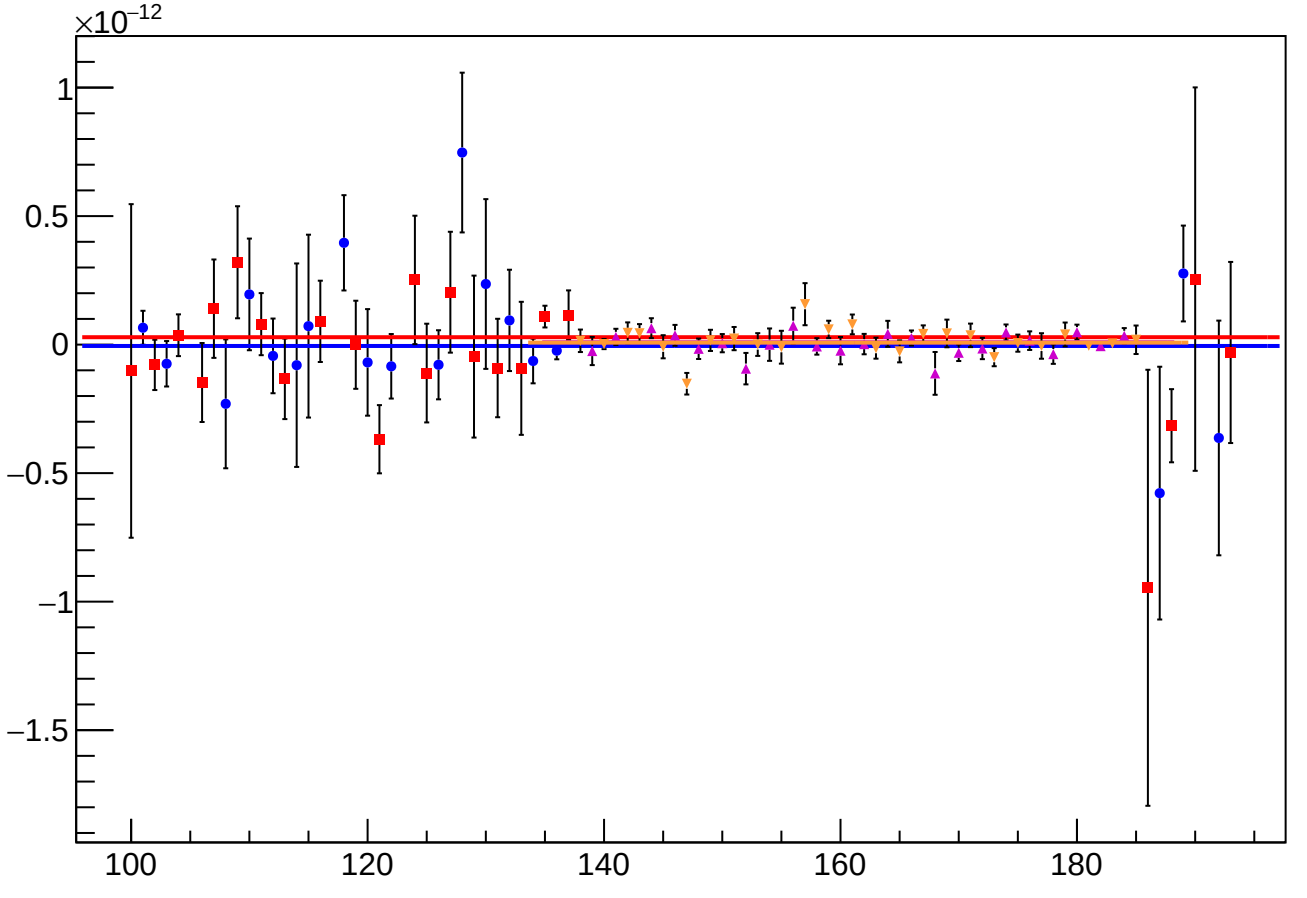
Right Out: 2209.512+/-0.506 χ^2/NDF: 800708.0/22

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

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

All: 1960.188+/-0.187 χ^2/NDF: 2842958.9/89

- sign 1972.676+/-0.266 χ^2/NDF: 1566547.4/45



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: 29.3/22

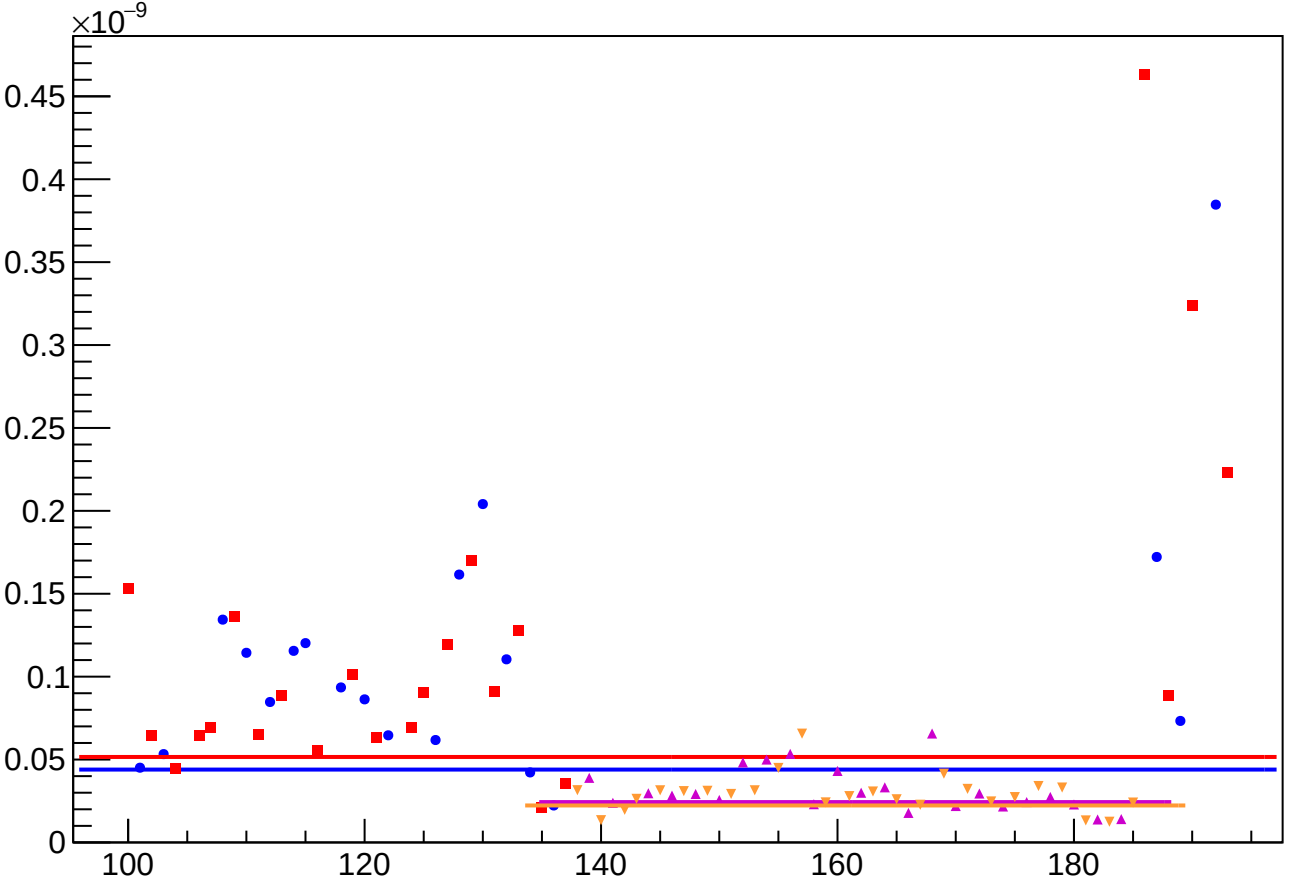
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/43

All: 0.000+/-0.000 χ^2/NDF: 102.4/89

- sign 0.000+/-0.000 χ^2/NDF: 48.9/45

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: 3979952.9/22

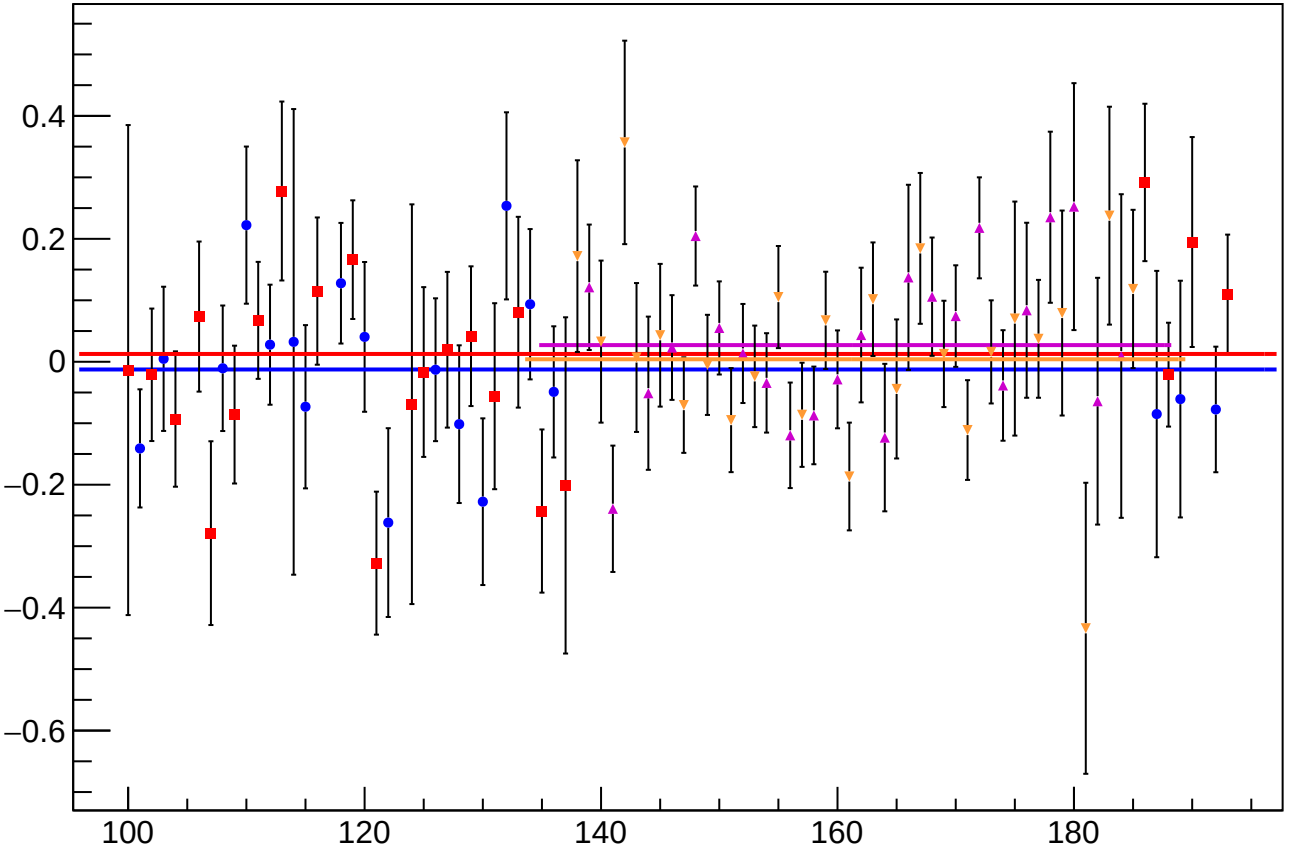
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

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

All: 0.000+/-0.000 χ^2/NDF: 18562315.3/89

- sign 0.000+/-0.000 χ^2/NDF: 9065726.1/45

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: 0.013+/-0.026 χ^2/NDF: 33.3/22

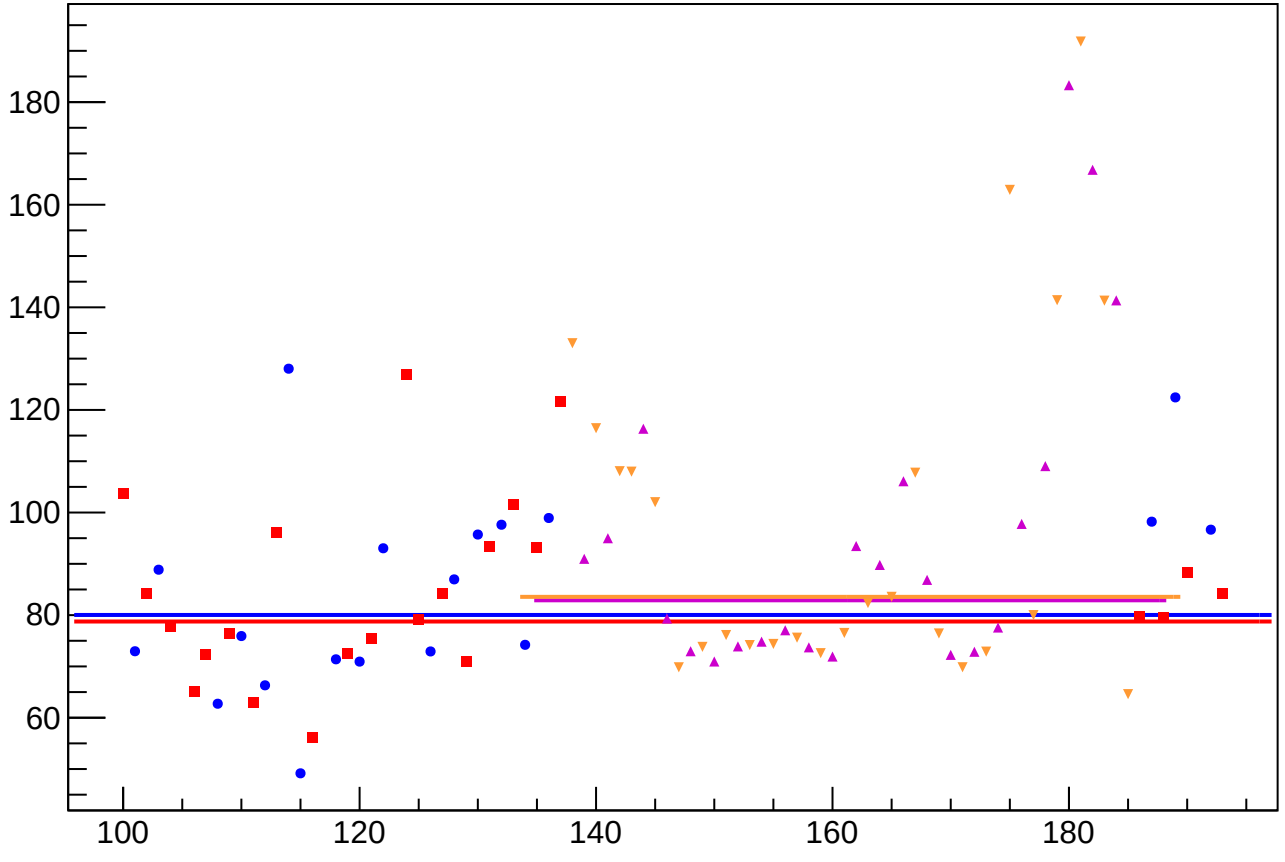
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

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

All: 0.010+/-0.012 χ^2/NDF: 112.7/89

- sign 0.022+/-0.016 χ^2/NDF: 65.4/45

asym_usr_dit_vs_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: 78.757+/-0.018 χ^2/NDF: 411520.4/22

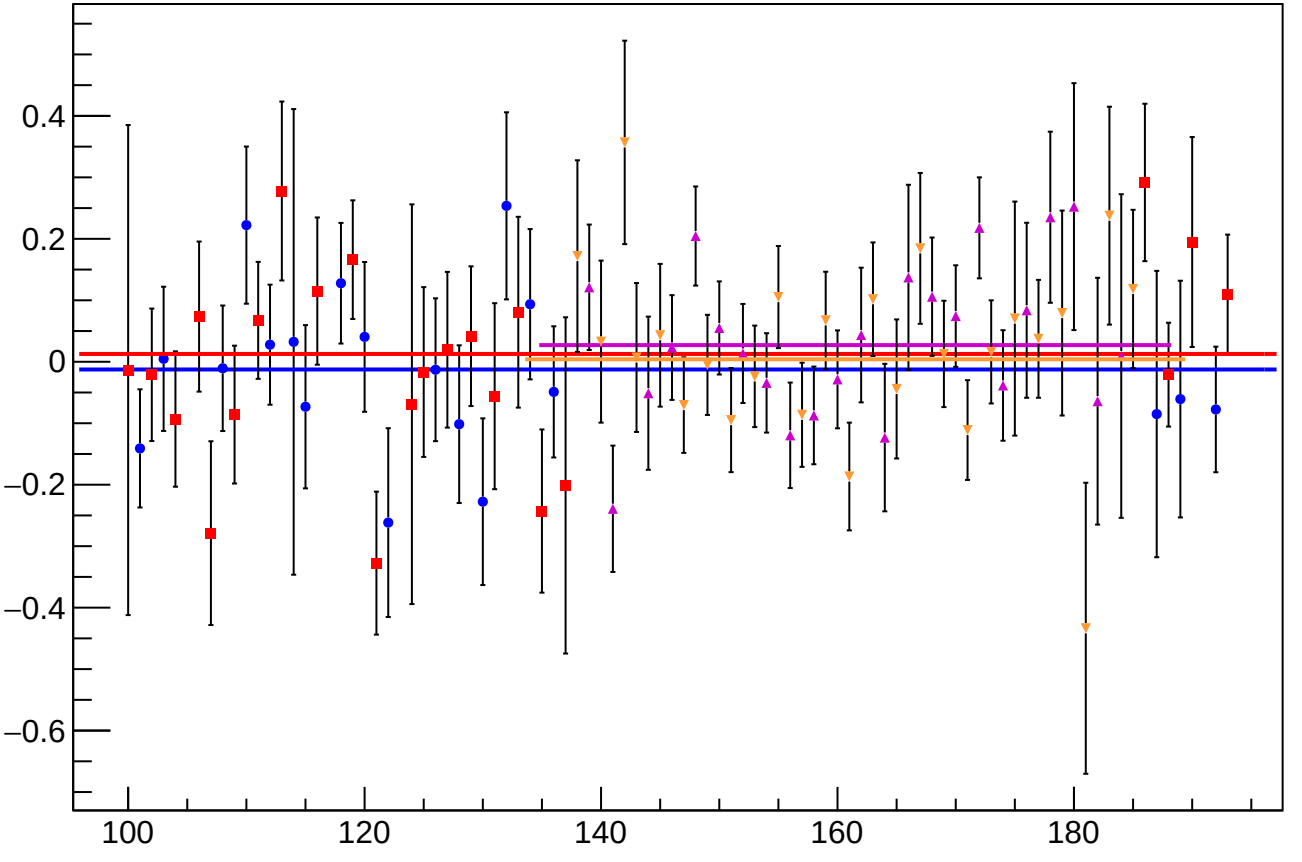
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

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

All: 81.823+/-0.008 χ^2/NDF: 4811778.2/89

\- sign 81.305+/-0.011 χ^2/NDF: 2015564.1/45

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: 0.013+/-0.026 χ^2/NDF: 33.3/22

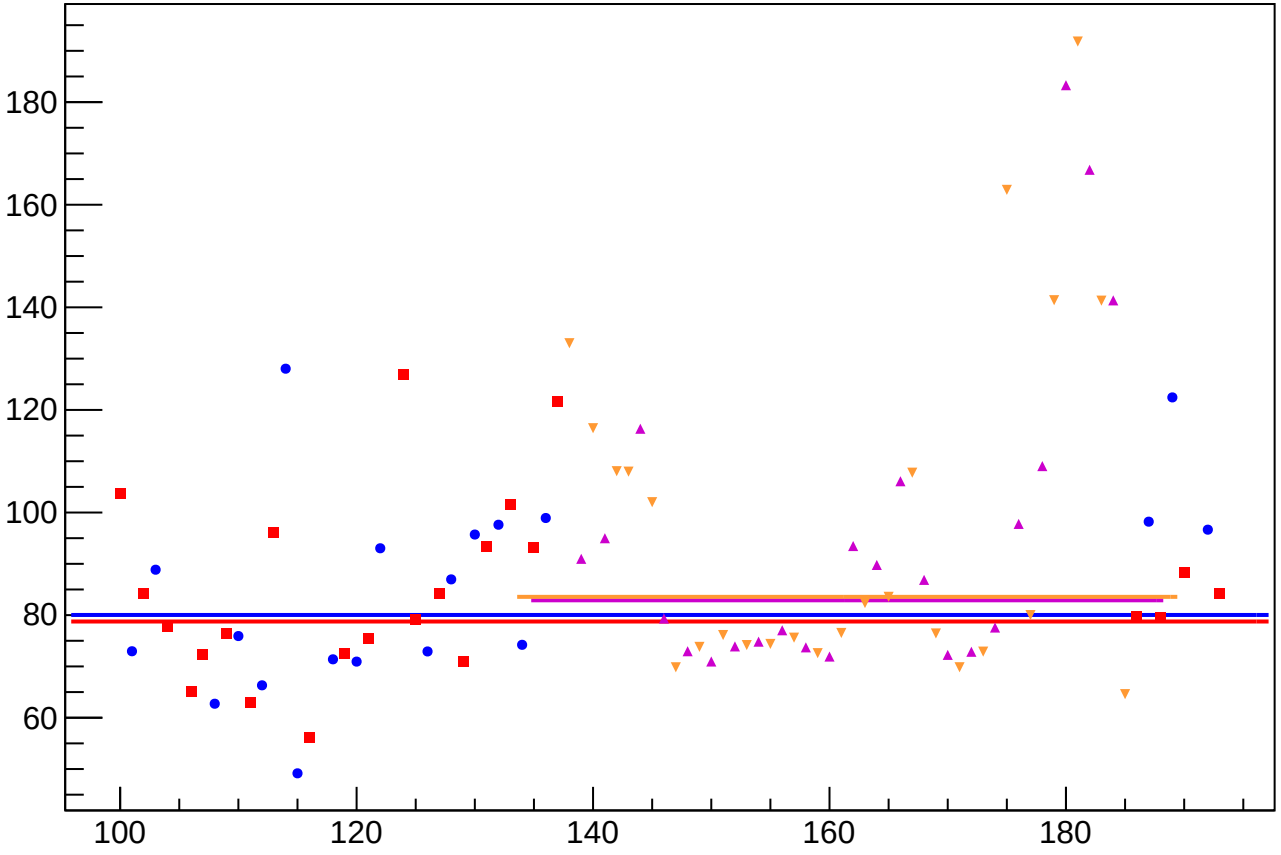
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

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

All: 0.010+/-0.012 χ^2/NDF: 112.7/89

\- sign 0.022+/-0.016 χ^2/NDF: 65.4/45

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: 78.757+/-0.018 χ^2/NDF: 411520.4/22

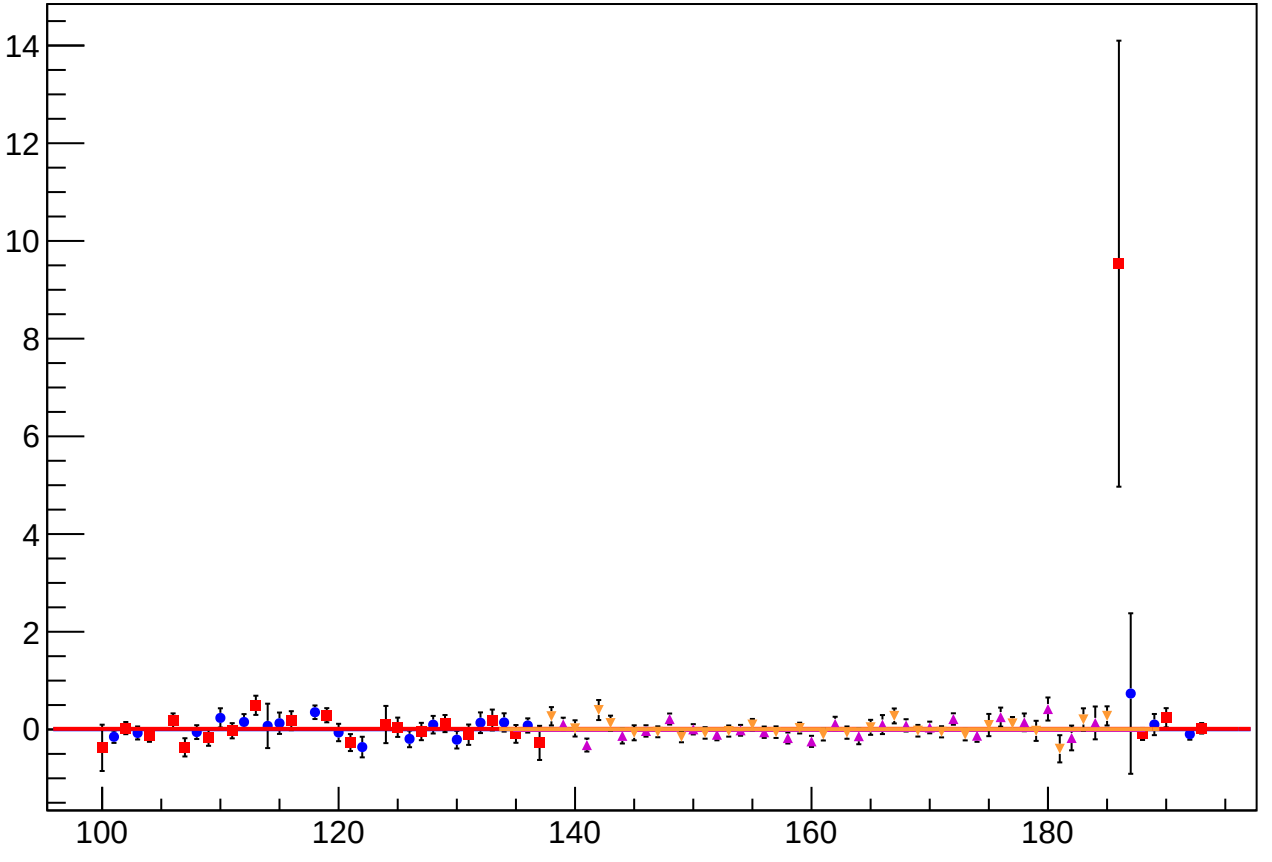
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

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

All: 81.823+/-0.008 χ^2/NDF: 4811778.2/89

- sign 81.305+/-0.011 χ^2/NDF: 2015564.1/45

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: 0.013+/-0.036 χ^2/NDF: 30.2/22

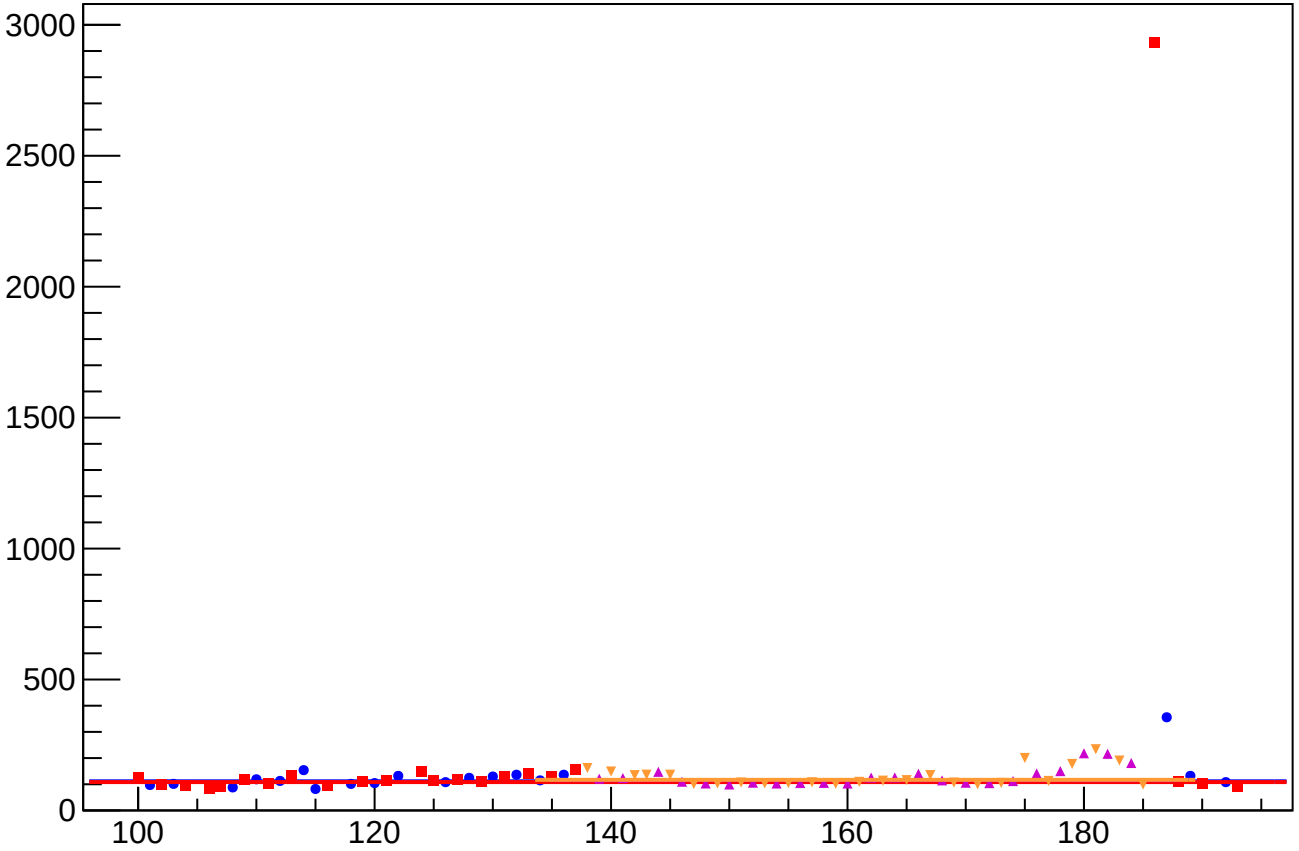
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.005+/-0.023 χ^2/NDF: 40.7/43

All: 0.002+/-0.016 χ^2/NDF: 102.5/89

- sign -0.001+/-0.022 χ^2/NDF: 61.7/45

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: 108.367+/-0.026 χ^2/NDF: 1139734.0/22

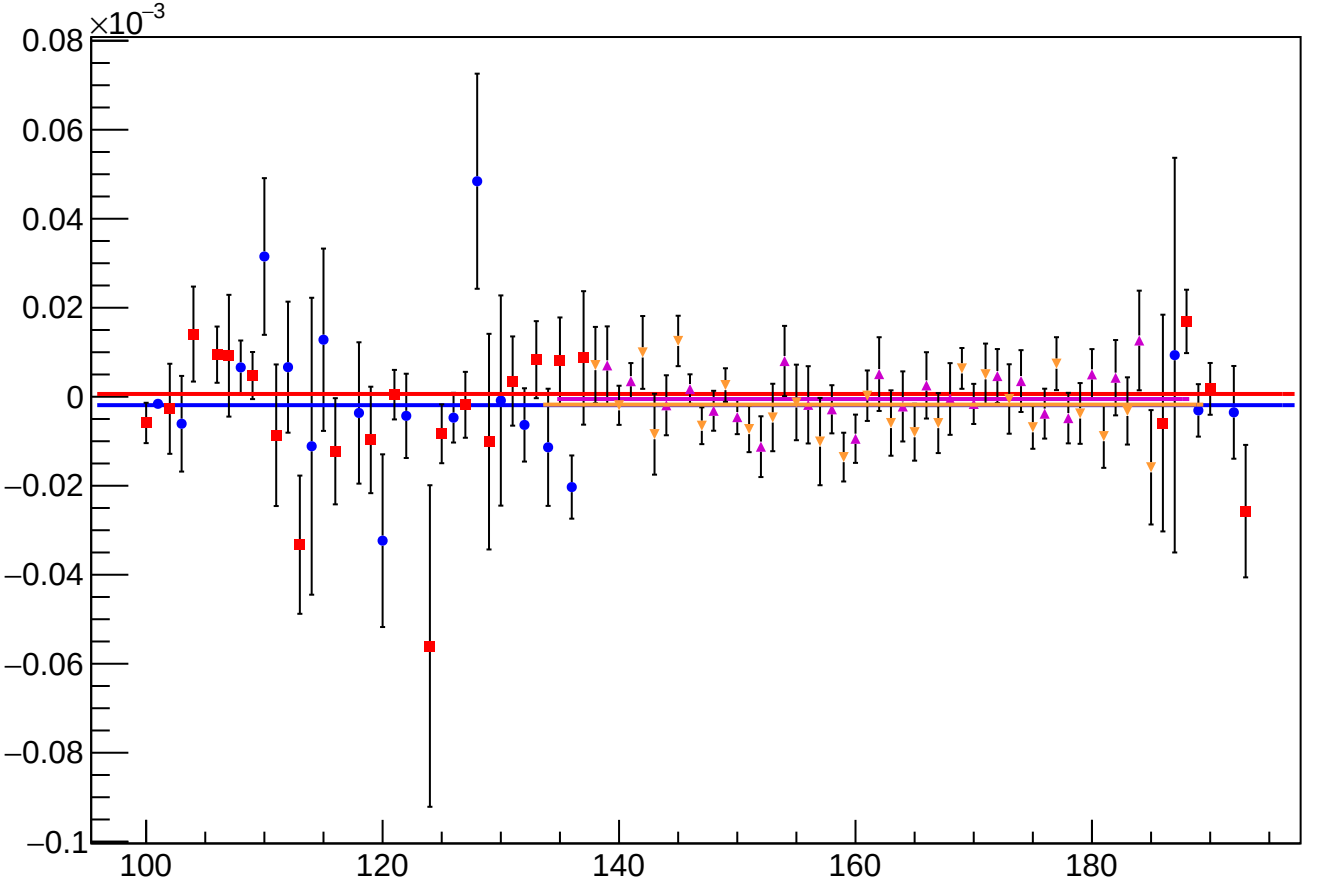
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

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

All: 113.986+/-0.011 χ^2/NDF: 4421676.9/89

- sign 113.029+/-0.016 χ^2/NDF: 2424548.8/45

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: 28.6/22

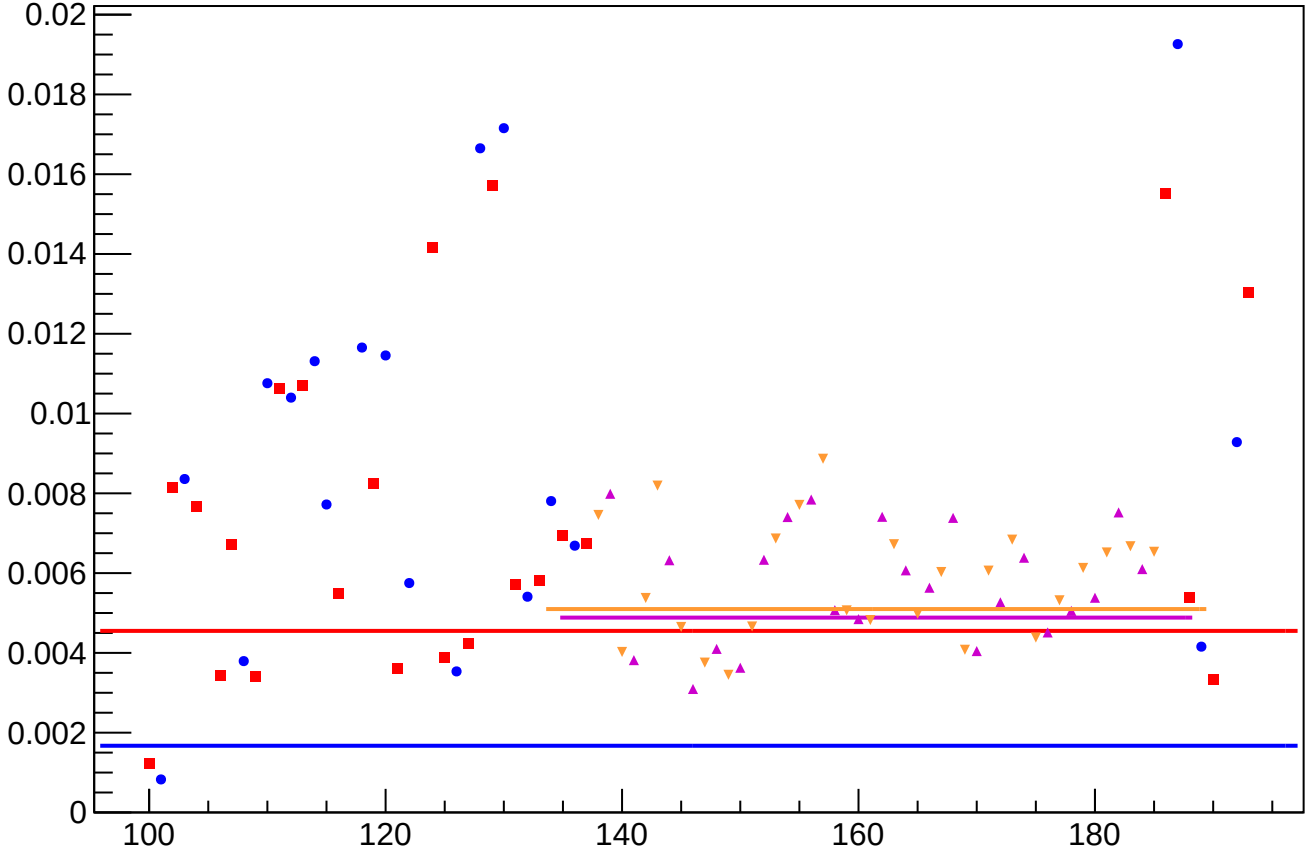
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

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

All: -0.000+/-0.000 χ^2/NDF: 98.9/89

- sign -0.000+/-0.000 χ^2/NDF: 44.4/45

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11002991.5/18

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 4565973.0/22

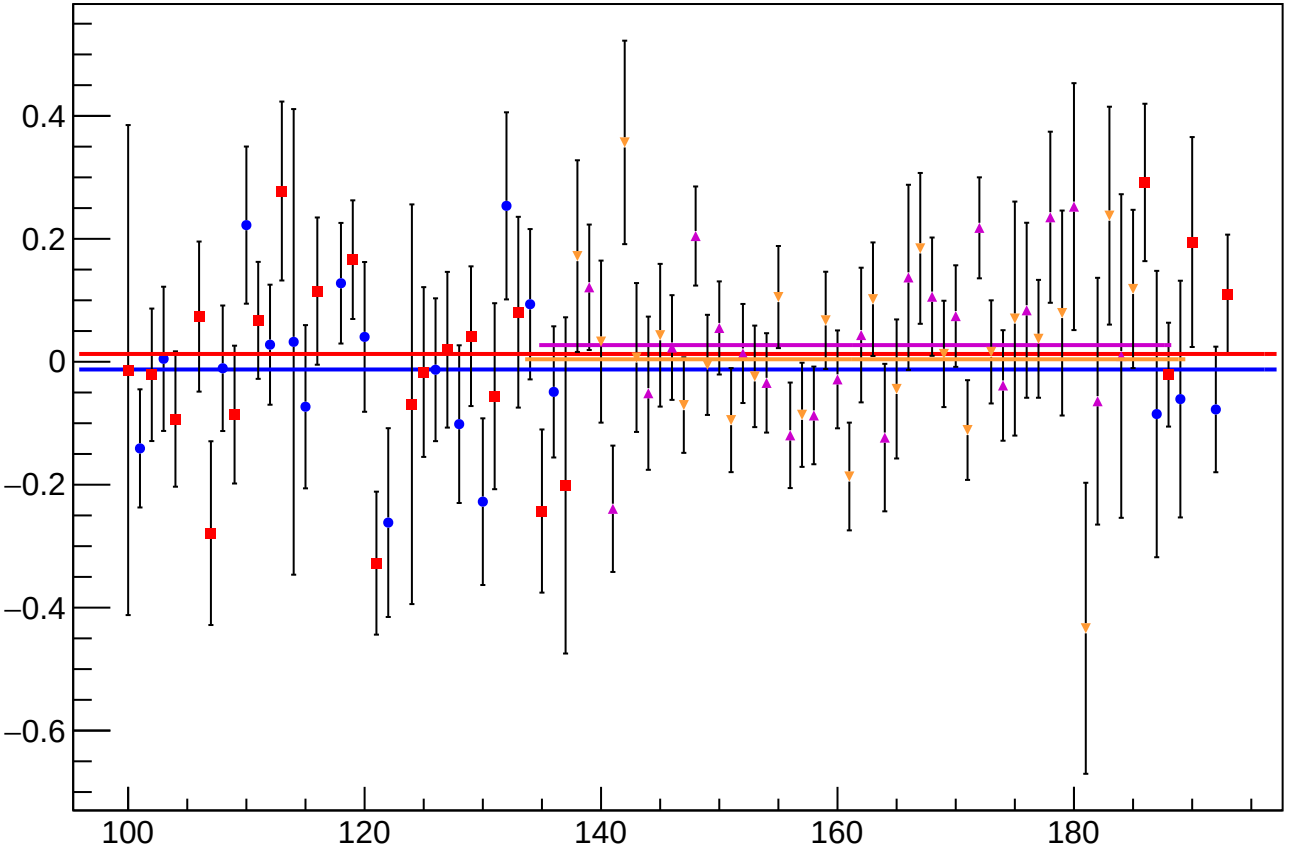
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

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

All: 0.004+/-0.000 χ^2/NDF: 34763822.3/89

- sign 0.005+/-0.000 χ^2/NDF: 7340652.1/45

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: 0.013+/-0.026 χ^2/NDF: 33.3/22

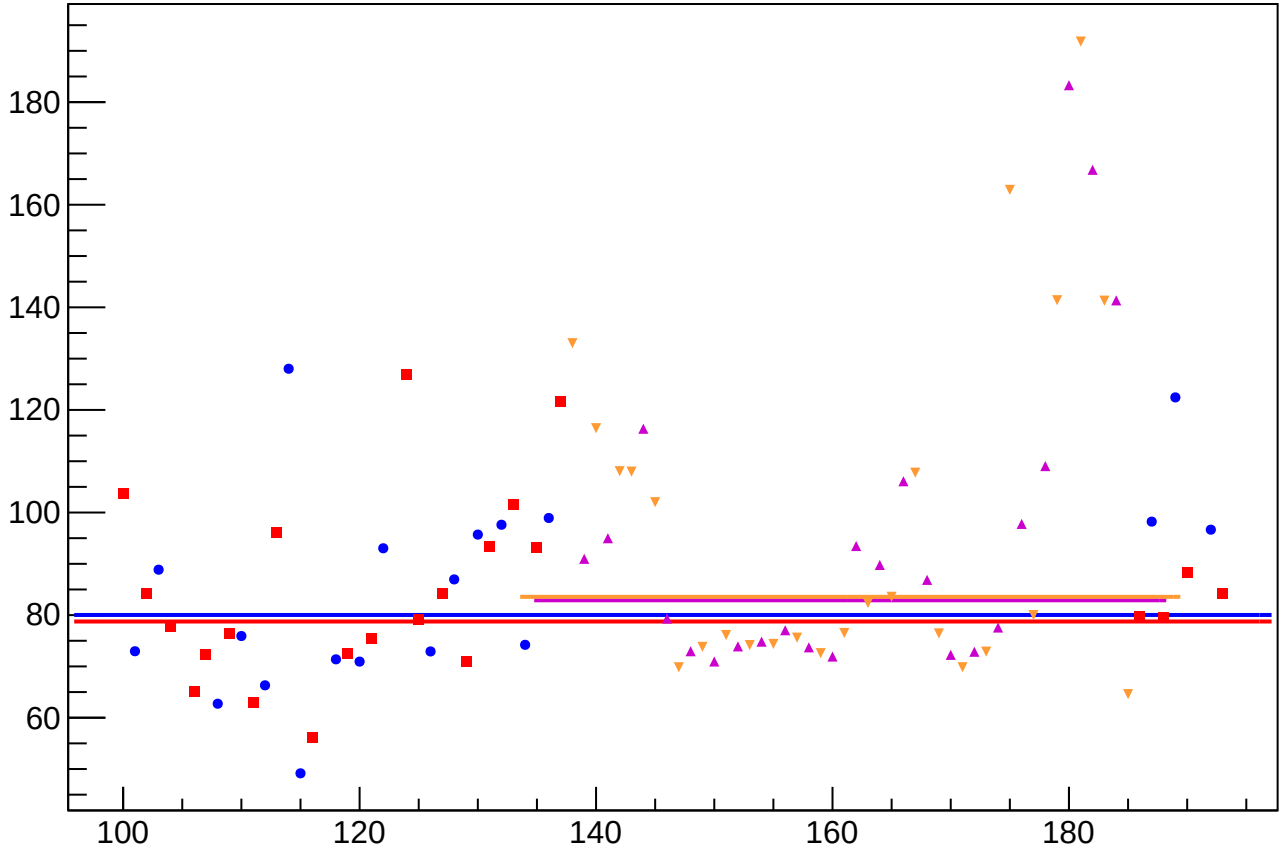
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

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

All: 0.010+/-0.012 χ^2/NDF: 112.7/89

\- sign 0.022+/-0.016 χ^2/NDF: 65.4/45

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

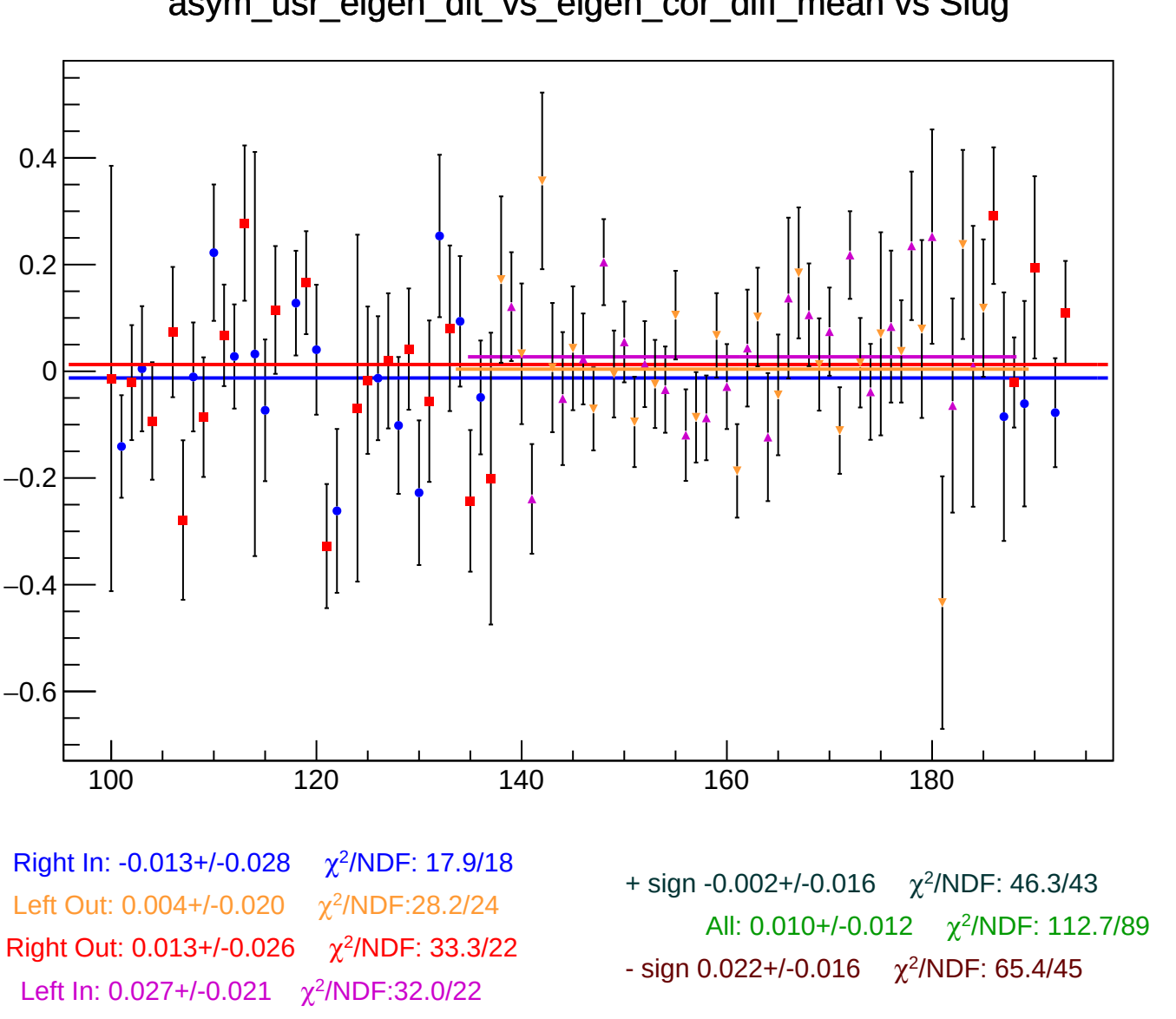
Right Out: 78.755+/-0.018 χ^2/NDF: 411520.7/22

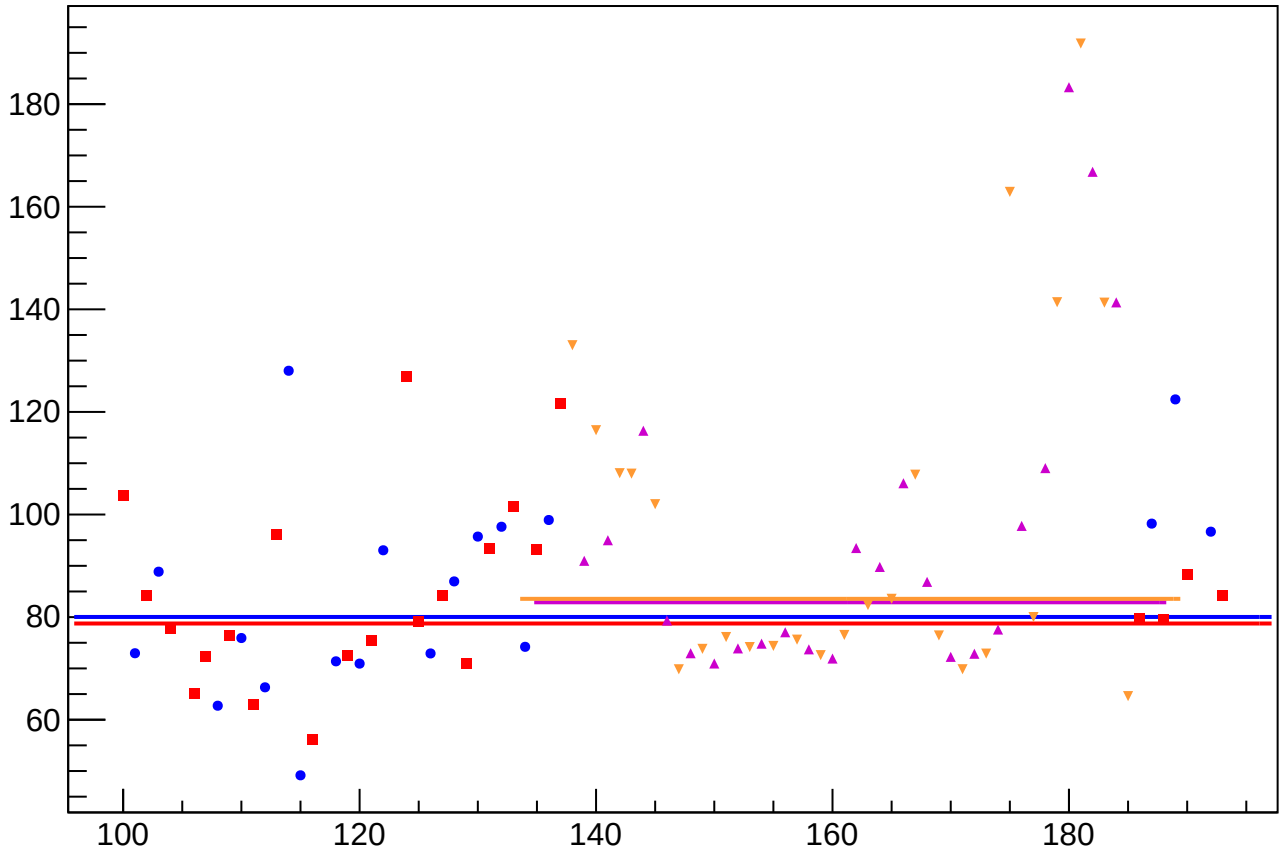
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

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

All: 81.823+/-0.008 χ^2/NDF: 4811820.3/89

- sign 81.305+/-0.011 χ^2/NDF: 2015570.7/45


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
Right In: -0.013+/-0.028 χ²/NDF: 17.9/18
Left Out: 0.004+/-0.020 χ²/NDF:28.2/24
Right Out: 0.013+/-0.026 χ²/NDF: 33.3/22
Left In: 0.027+/-0.021 χ²/NDF:32.0/22
+ sign -0.002+/-0.016 χ²/NDF: 46.3/43
All: 0.010+/-0.012 χ²/NDF: 112.7/89
- sign 0.022+/-0.016 χ²/NDF: 65.4/45



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: 78.755+/-0.018 χ^2/NDF: 411520.7/22

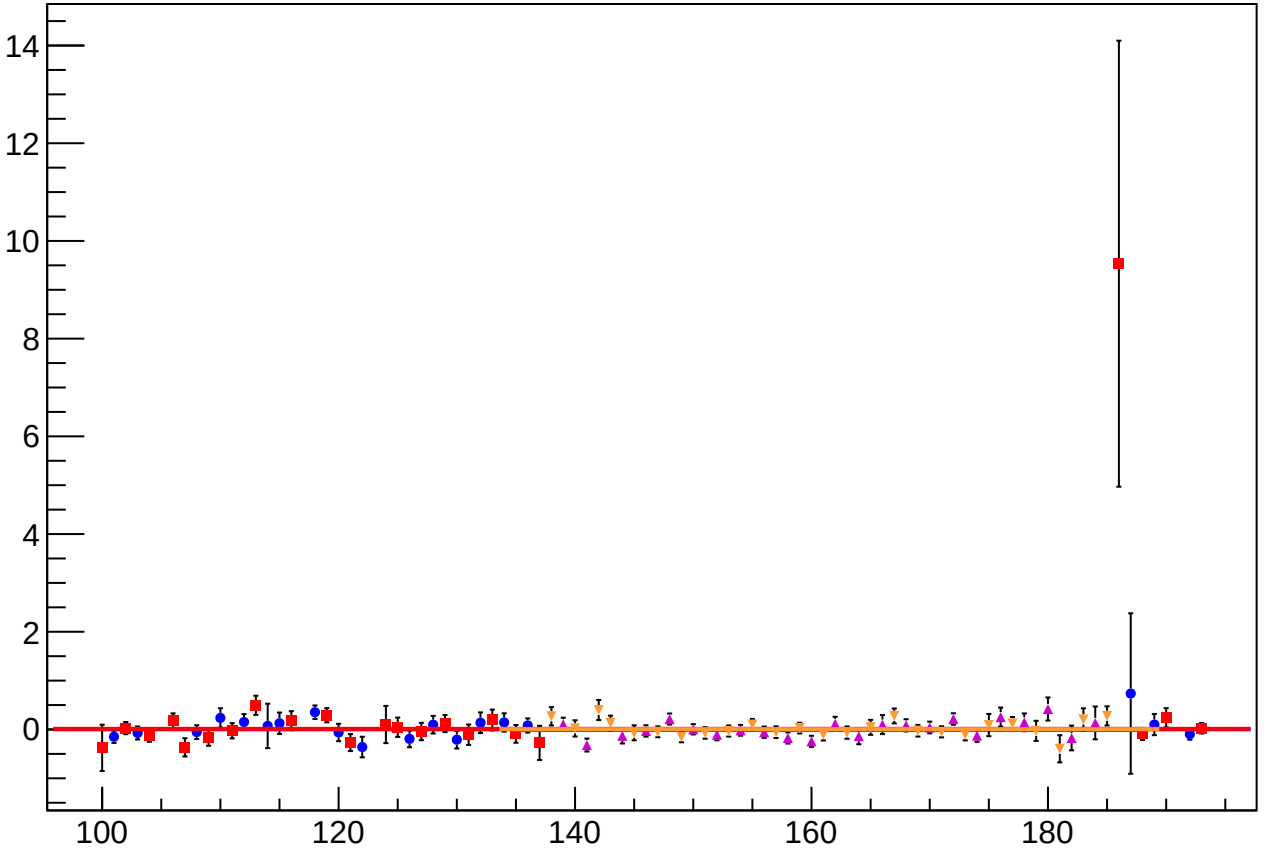
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

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

All: 81.823+/-0.008 χ^2/NDF: 4811820.3/89

\- sign 81.305+/-0.011 χ^2/NDF: 2015570.7/45

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: 0.013+/-0.036 χ^2/NDF: 30.2/22

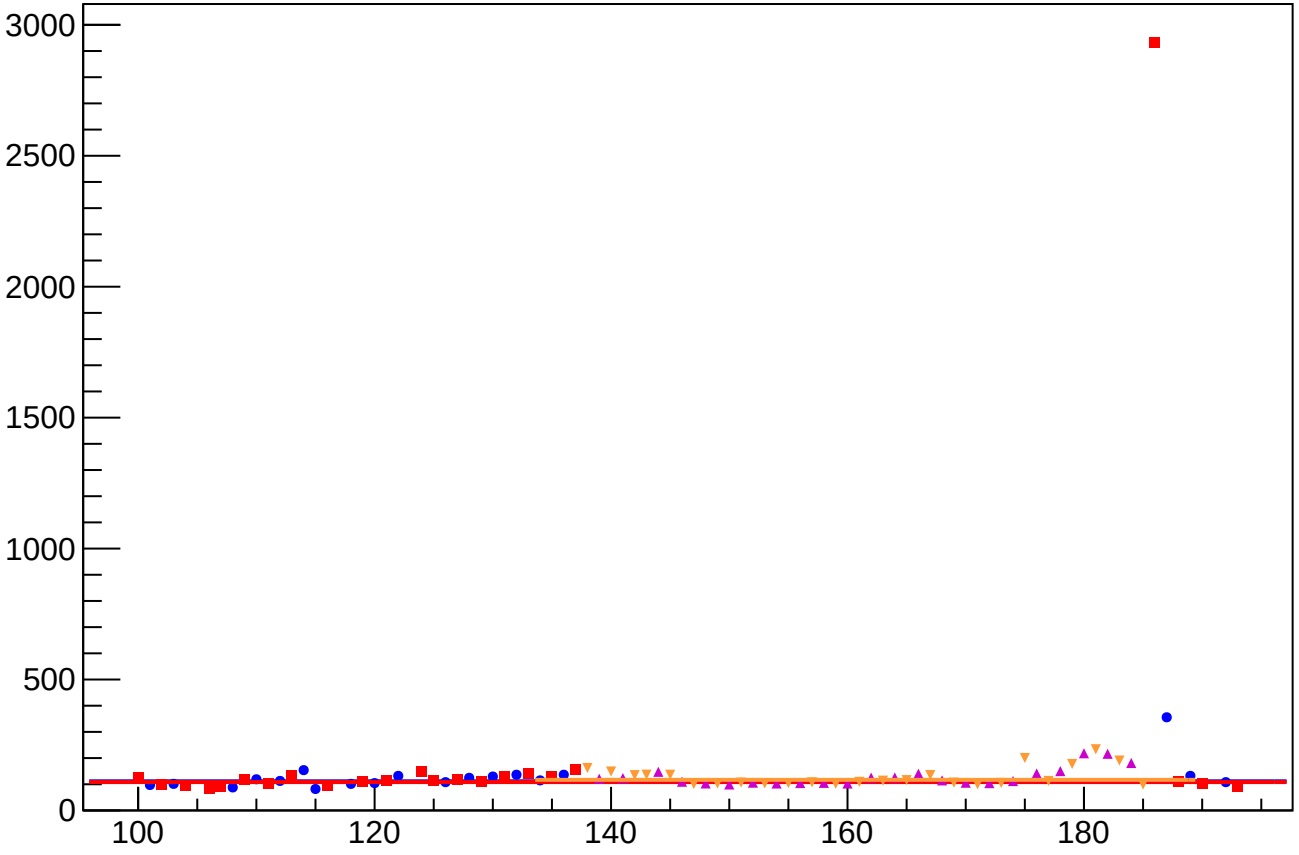
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.005+/-0.023 χ^2/NDF: 40.7/43

All: 0.002+/-0.016 χ^2/NDF: 102.5/89

- sign -0.001+/-0.022 χ^2/NDF: 61.7/45

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

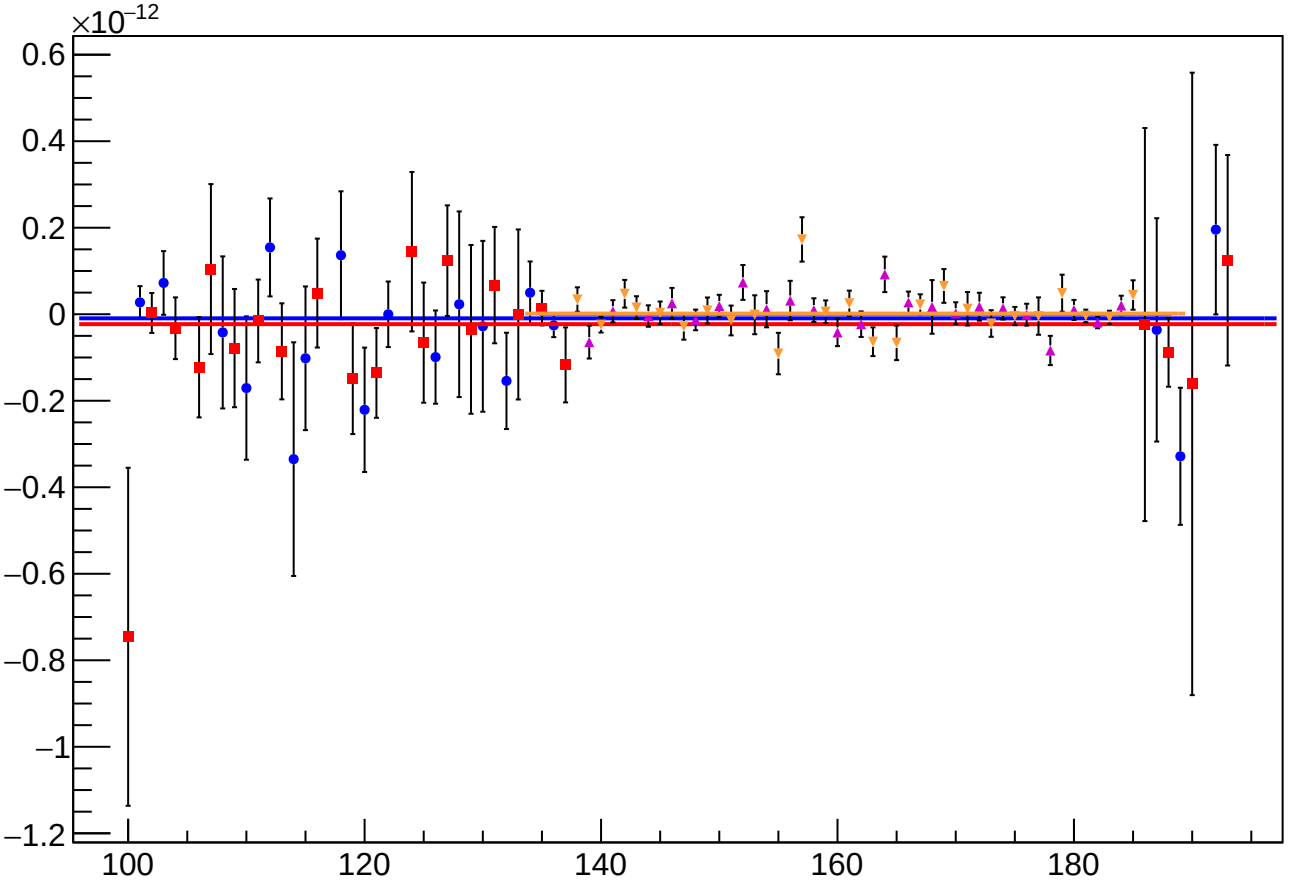
Right Out: 108.366+/-0.026 χ^2/NDF: 1139711.1/22

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 114.977+/-0.016 χ^2/NDF: 1989560.2/43

All: 113.986+/-0.011 χ^2/NDF: 4421647.0/89

- sign 113.029+/-0.016 χ^2/NDF: 2424531.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

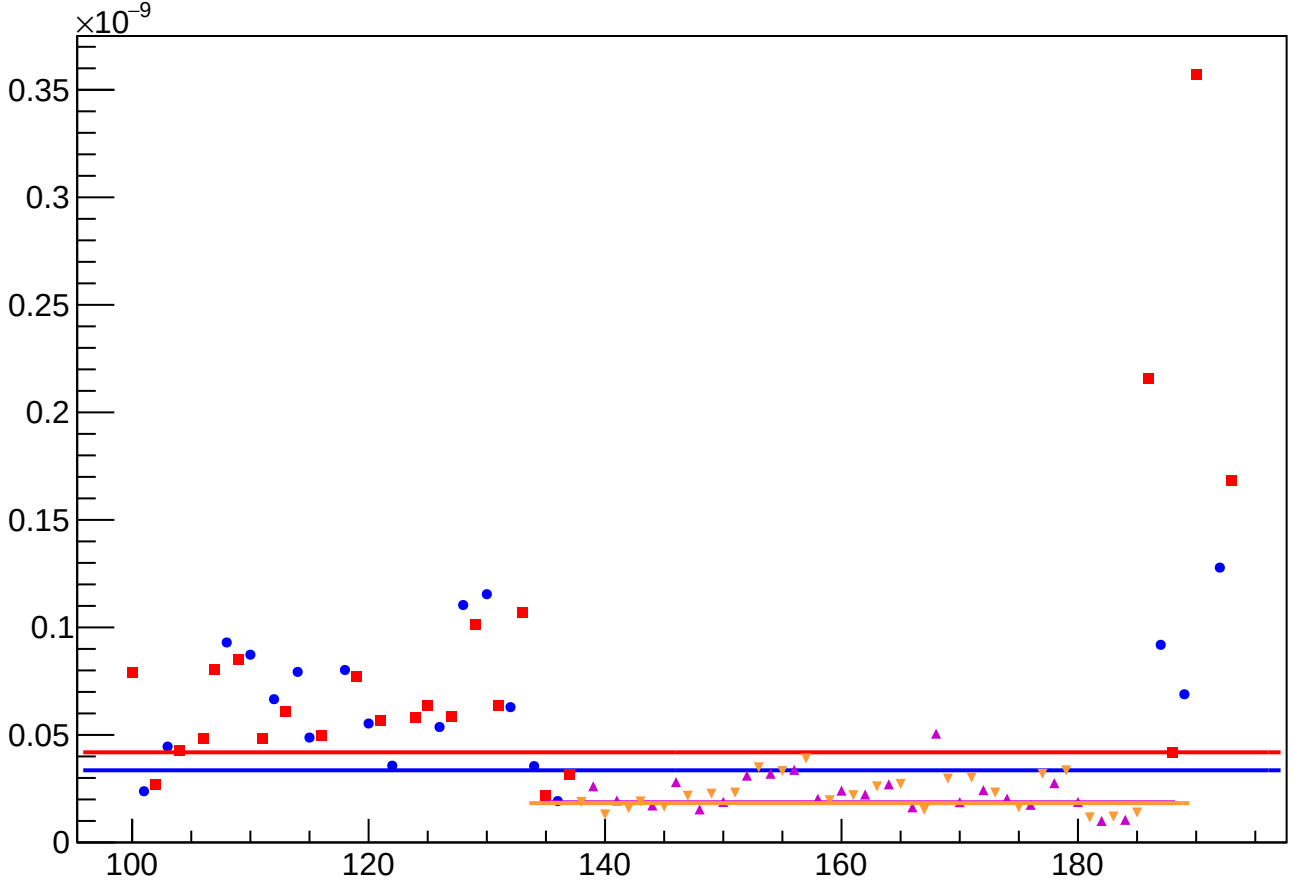
Right Out: -0.000+/-0.000 χ^2/NDF: 13.7/22

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: 97.5/89

- sign -0.000+/-0.000 χ^2/NDF: 41.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 3138048.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3094647.3/22

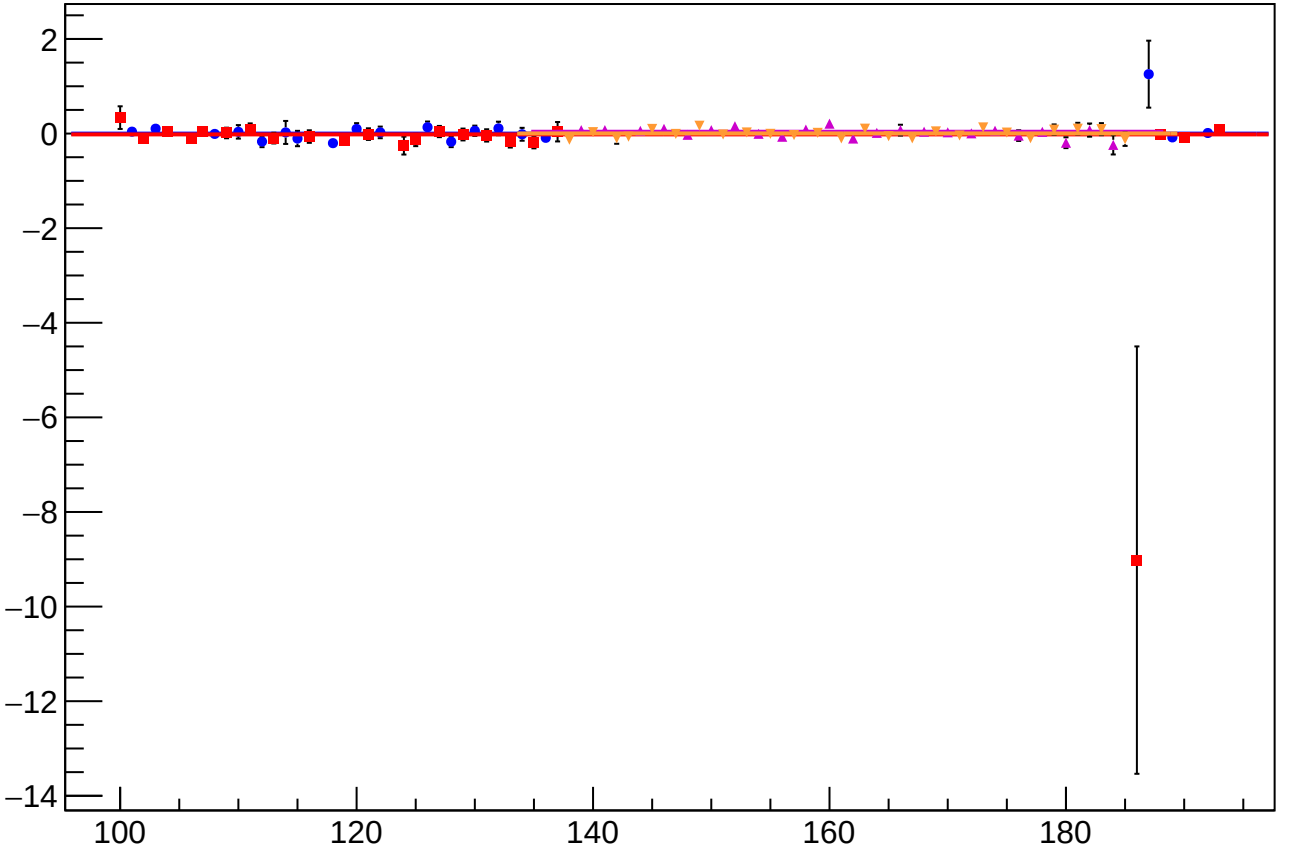
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7527777.1/43

All: 0.000+/-0.000 χ^2/NDF: 15981301.8/89

- sign 0.000+/-0.000 χ^2/NDF: 8433467.6/45

asym_usr_overload_cor_vs_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: -0.018+/-0.019 χ^2/NDF: 28.8/22

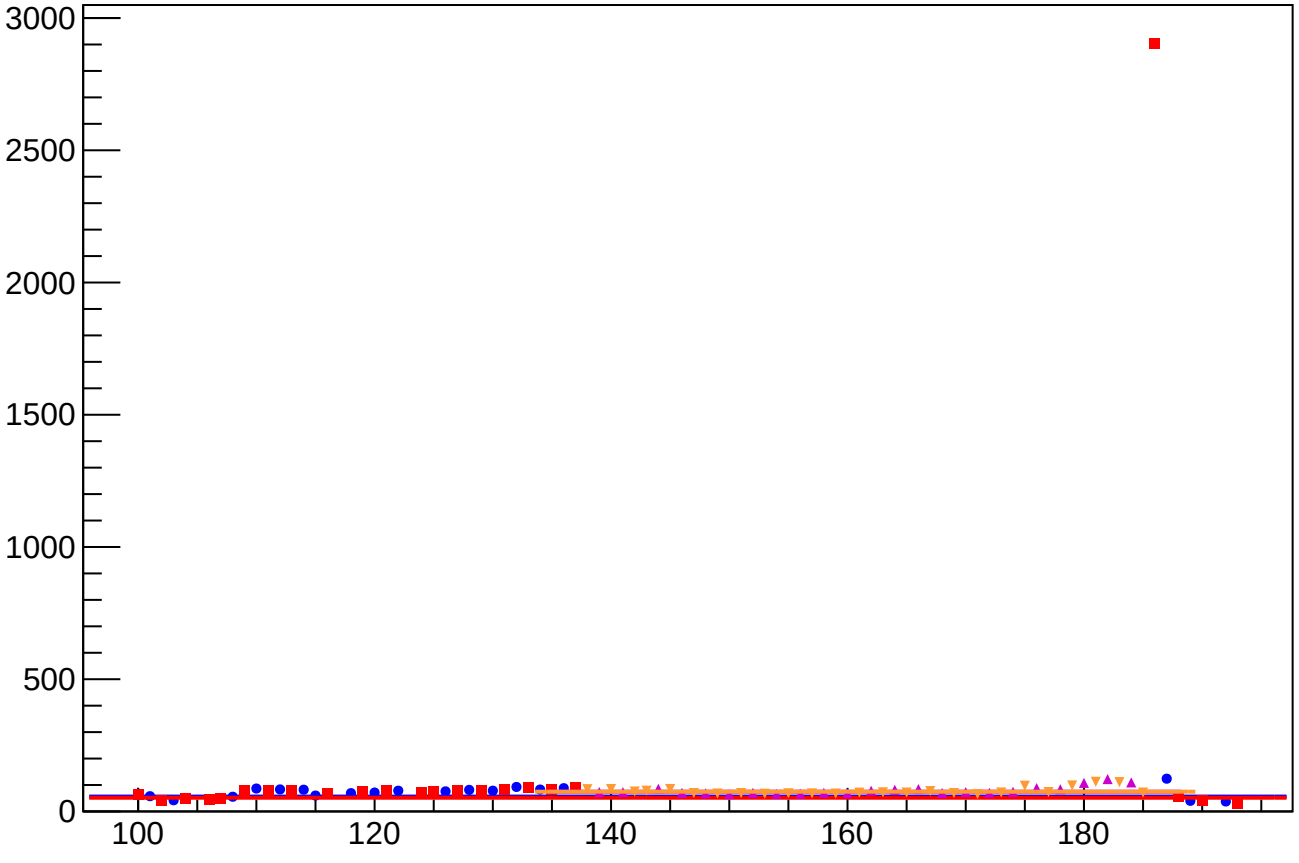
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign 0.001+/-0.013 χ^2/NDF: 43.0/43

All: 0.006+/-0.009 χ^2/NDF: 98.4/89

- sign 0.011+/-0.013 χ^2/NDF: 55.1/45

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

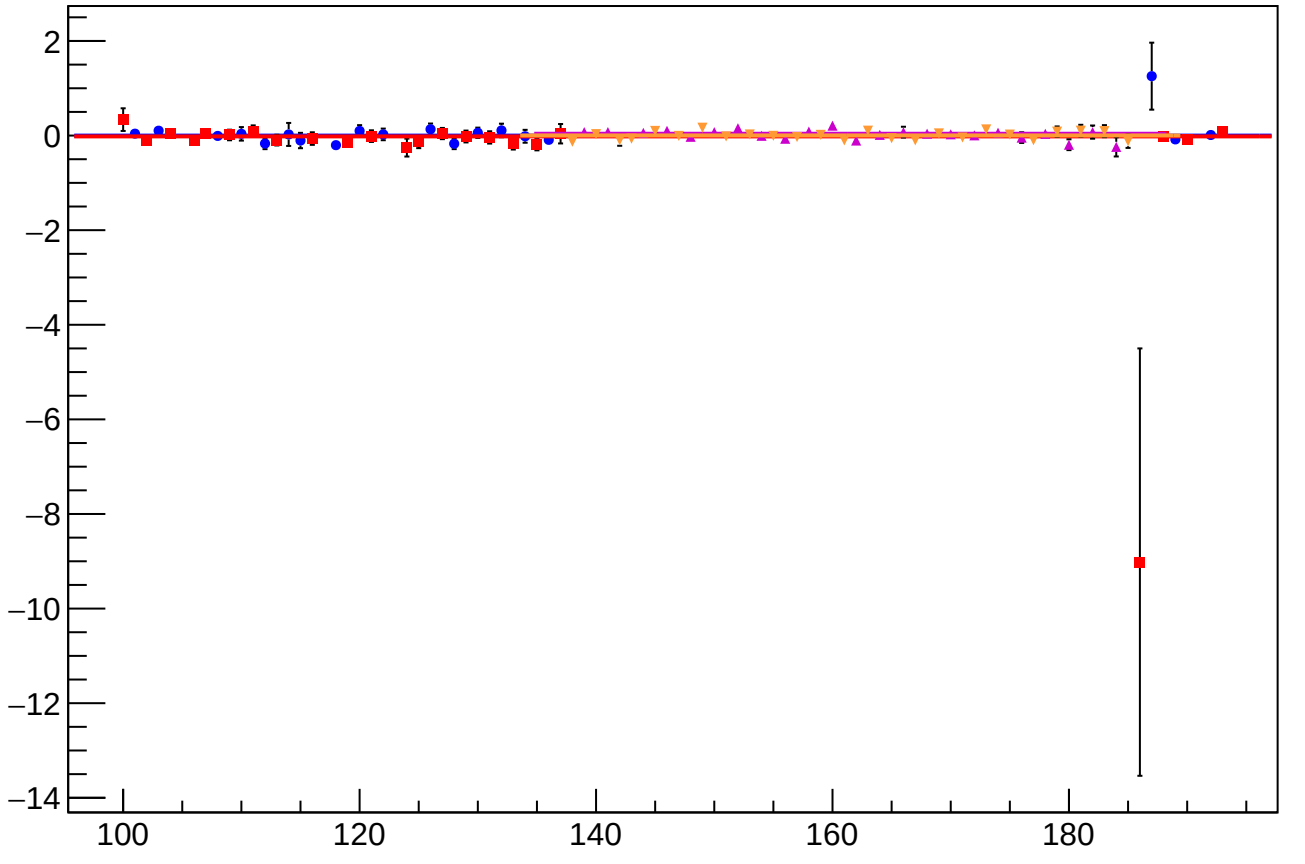
Right Out: 51.911+/-0.013 χ^2/NDF: 3114743.3/22

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 66.974+/-0.009 χ^2/NDF: 3423327.6/43

All: 65.291+/-0.007 χ^2/NDF: 8861691.9/89

- sign 63.705+/-0.009 χ^2/NDF: 5375913.8/45



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: -0.018+/-0.019 χ^2/NDF: 28.8/22

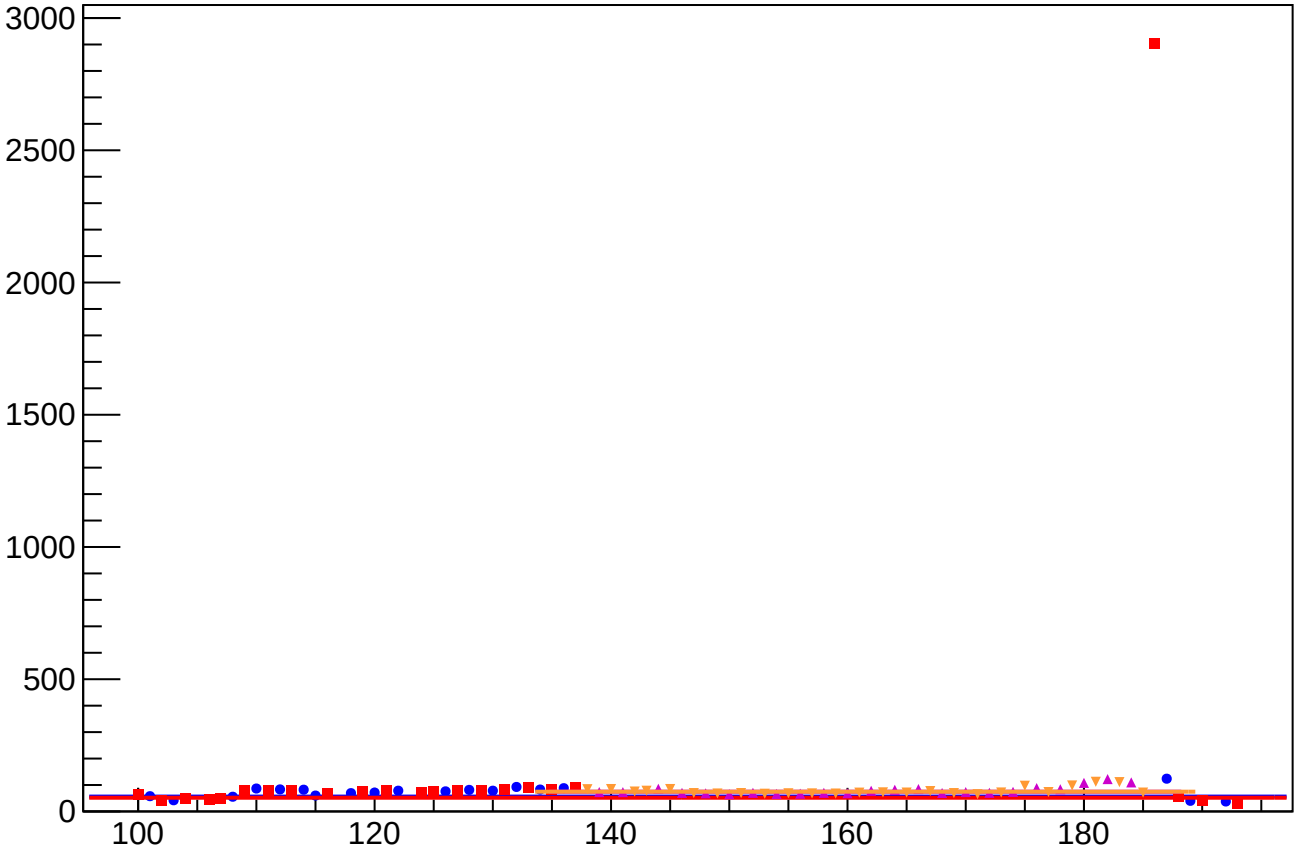
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign 0.001+/-0.013 χ^2/NDF: 43.0/43

All: 0.006+/-0.009 χ^2/NDF: 98.4/89

- sign 0.011+/-0.013 χ^2/NDF: 55.1/45

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: 51.911+/-0.013 χ^2/NDF: 3114743.3/22

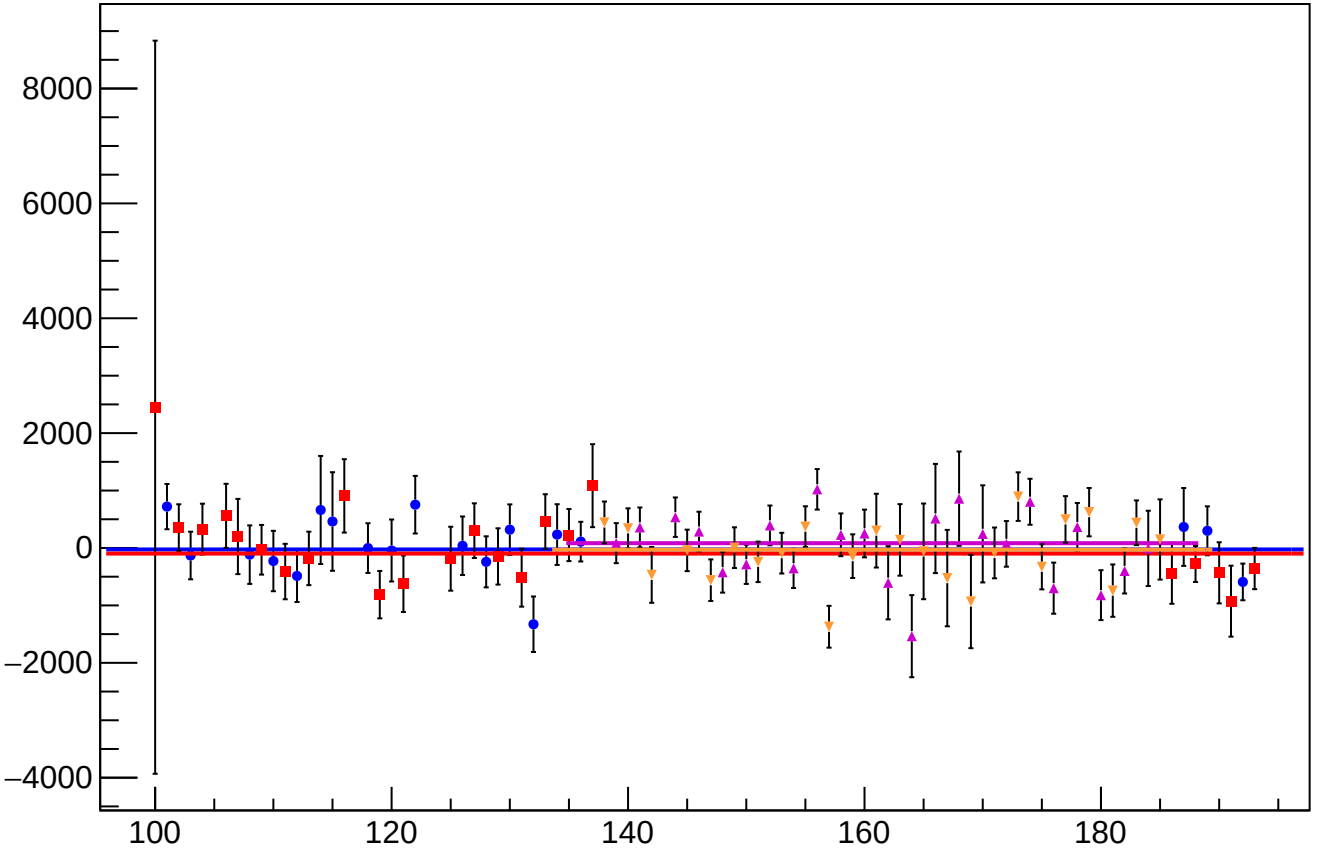
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 66.974+/-0.009 χ^2/NDF: 3423327.6/43

All: 65.291+/-0.007 χ^2/NDF: 8861691.9/89

- sign 63.705+/-0.009 χ^2/NDF: 5375913.8/45

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: -97.677+/-101.011 χ^2/NDF: 20.5/22

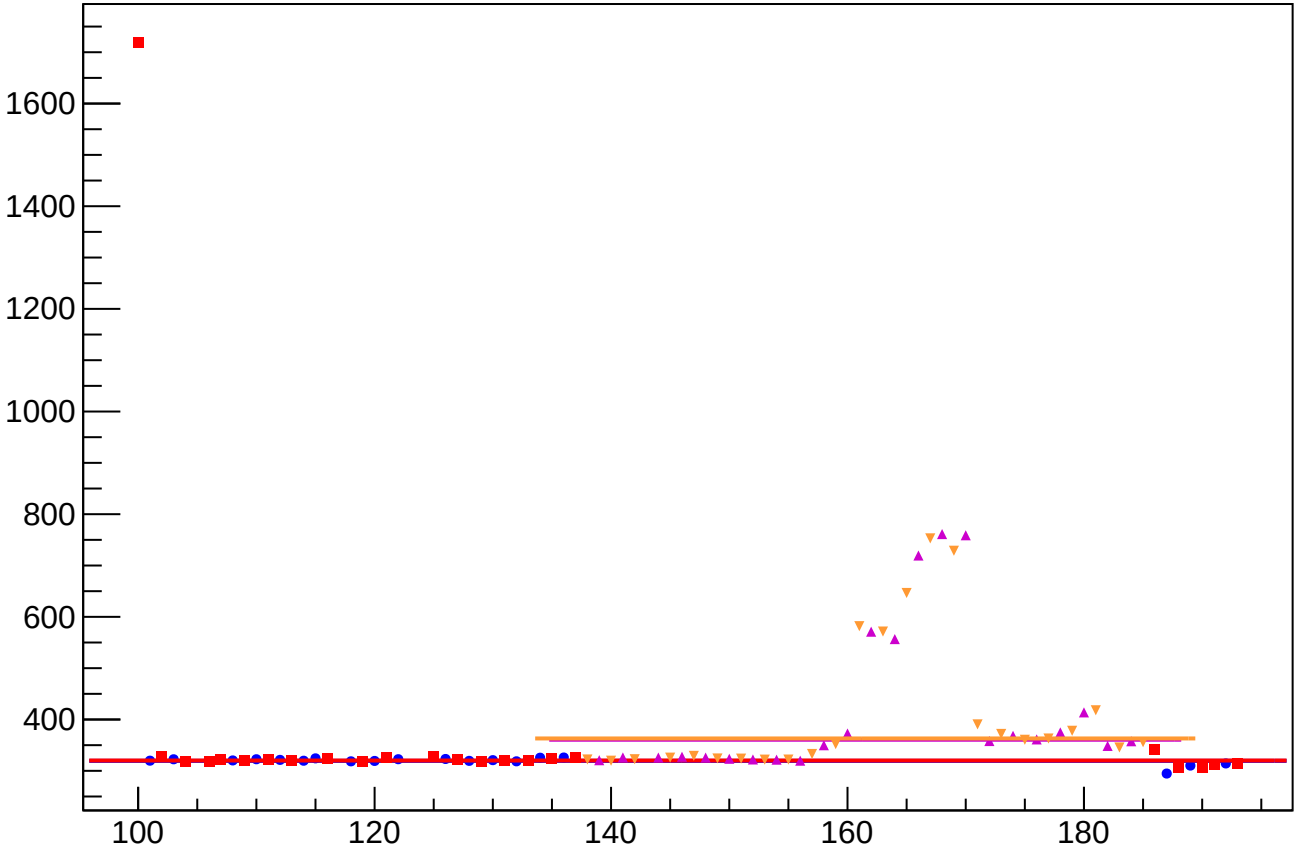
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -28.015+/-67.241 χ^2/NDF: 57.3/42

All: -10.099+/-46.989 χ^2/NDF: 115.6/88

- sign 7.000+/-65.691 χ^2/NDF: 58.2/45

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: 320.089+/-0.071 χ^2/NDF: 106557.7/22

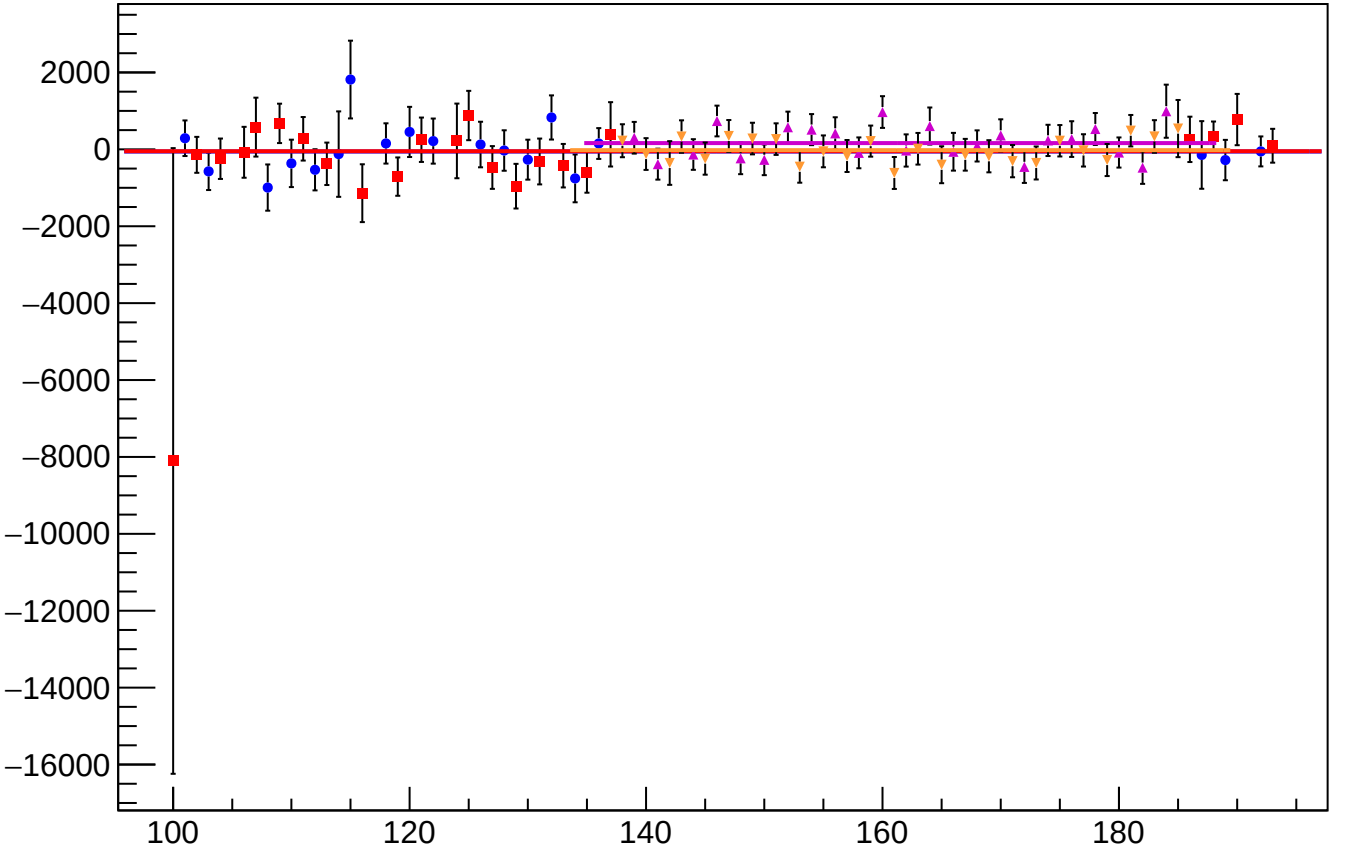
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 345.780+/-0.048 χ^2/NDF: 2002928.0/42

All: 344.592+/-0.033 χ^2/NDF: 4113902.4/88

- sign 343.458+/-0.046 χ^2/NDF: 2109753.4/45

asym_dsr_mean vs Slug



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: -49.043+/-120.706 χ^2/NDF: 18.7/22

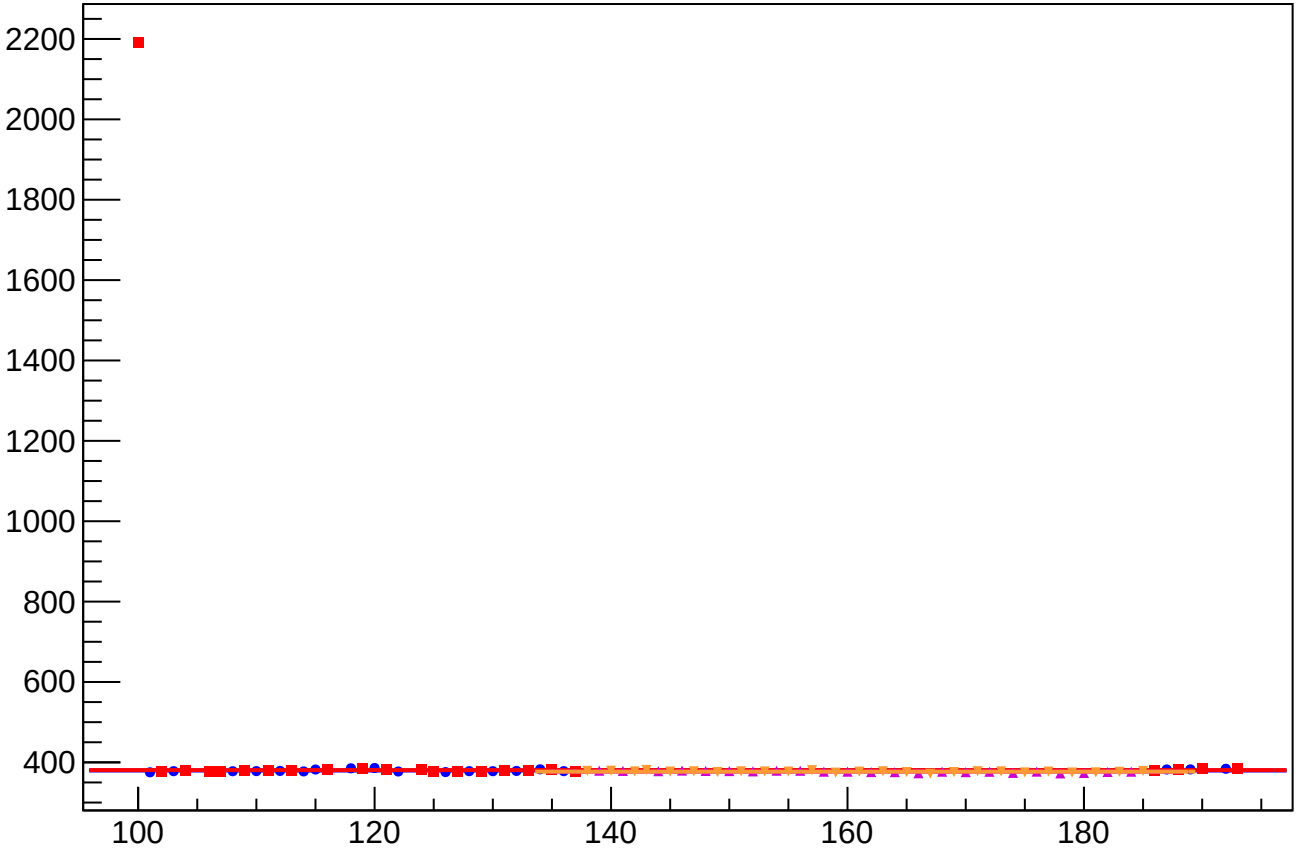
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -32.213+/-70.992 χ^2/NDF: 26.6/43

All: 28.505+/-50.239 χ^2/NDF: 70.5/89

- sign 89.415+/-71.104 χ^2/NDF: 42.4/45

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

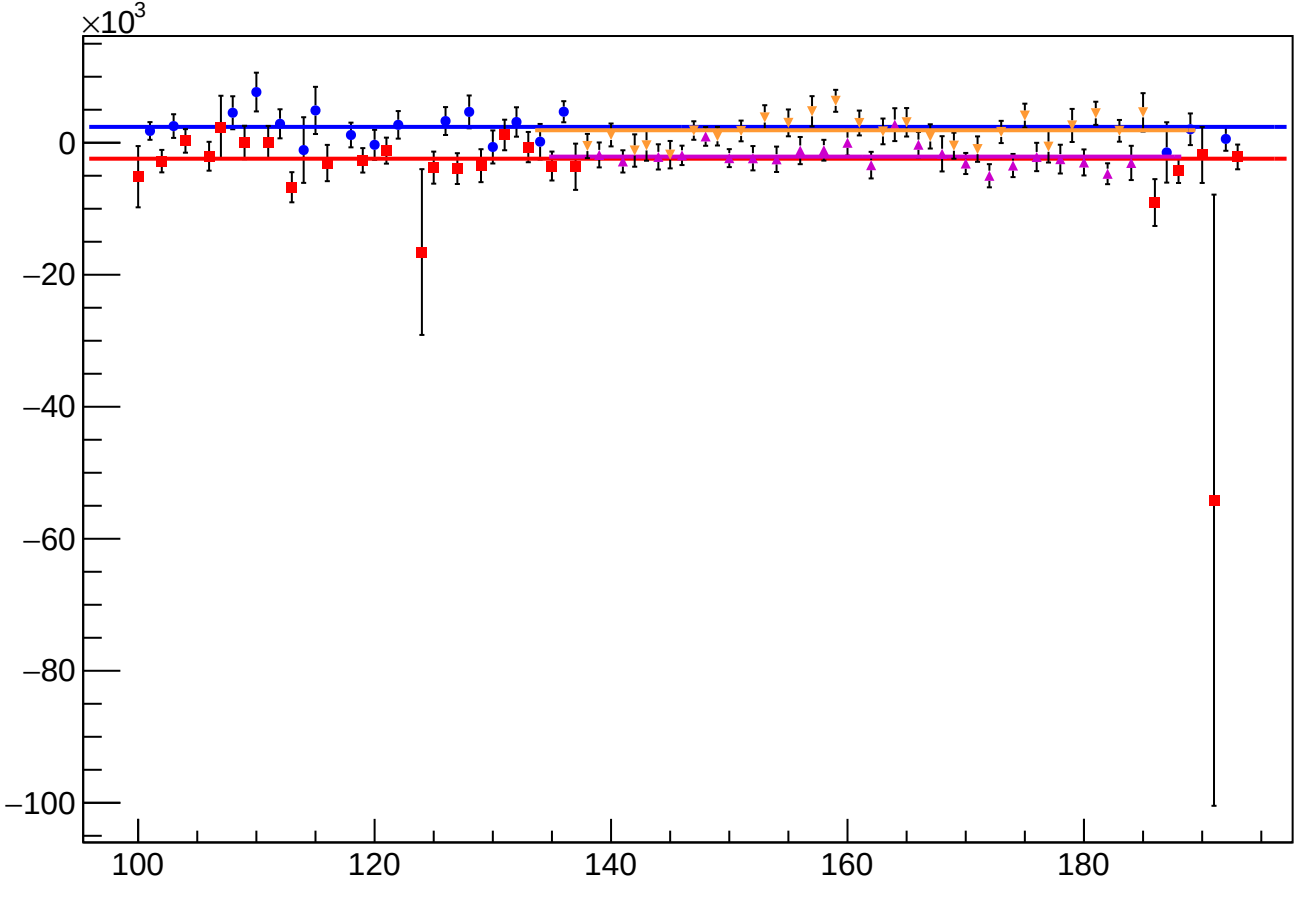
Right Out: 380.698+/-0.085 χ^2/NDF: 100045.0/22

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 377.791+/-0.050 χ^2/NDF: 2979.1/43

All: 377.986+/-0.036 χ^2/NDF: 105459.0/89

- sign 378.183+/-0.050 χ^2/NDF: 102449.5/45



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: -2418.817+/-497.961 χ^2/NDF: 20.9/23

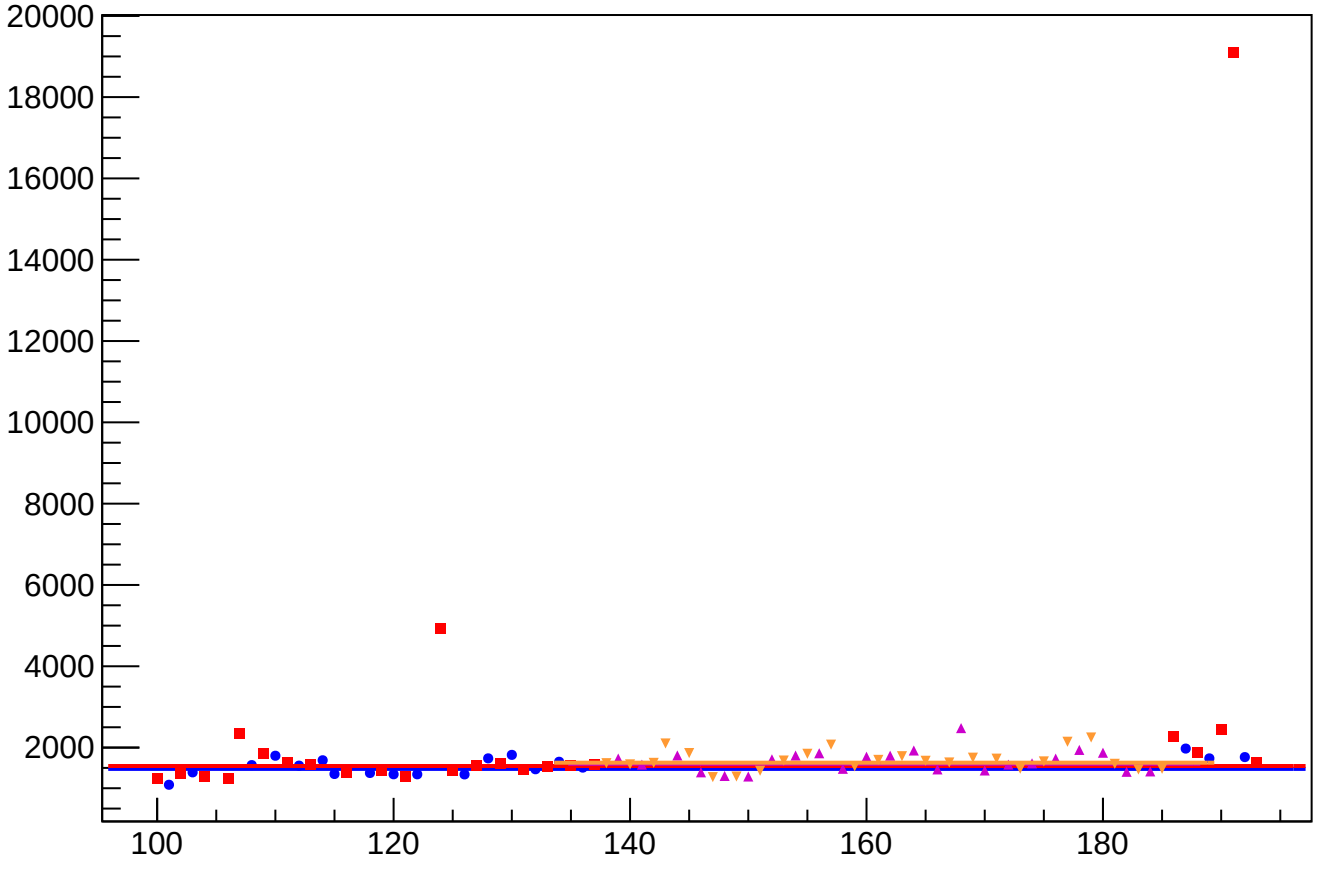
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2074.037+/-300.325 χ^2/NDF: 43.2/43

All: -64.005+/-212.815 χ^2/NDF: 184.8/90

- sign -2220.390+/-301.611 χ^2/NDF: 39.8/46

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: 1546.680+/-0.352 χ^2/NDF: 929278.8/23

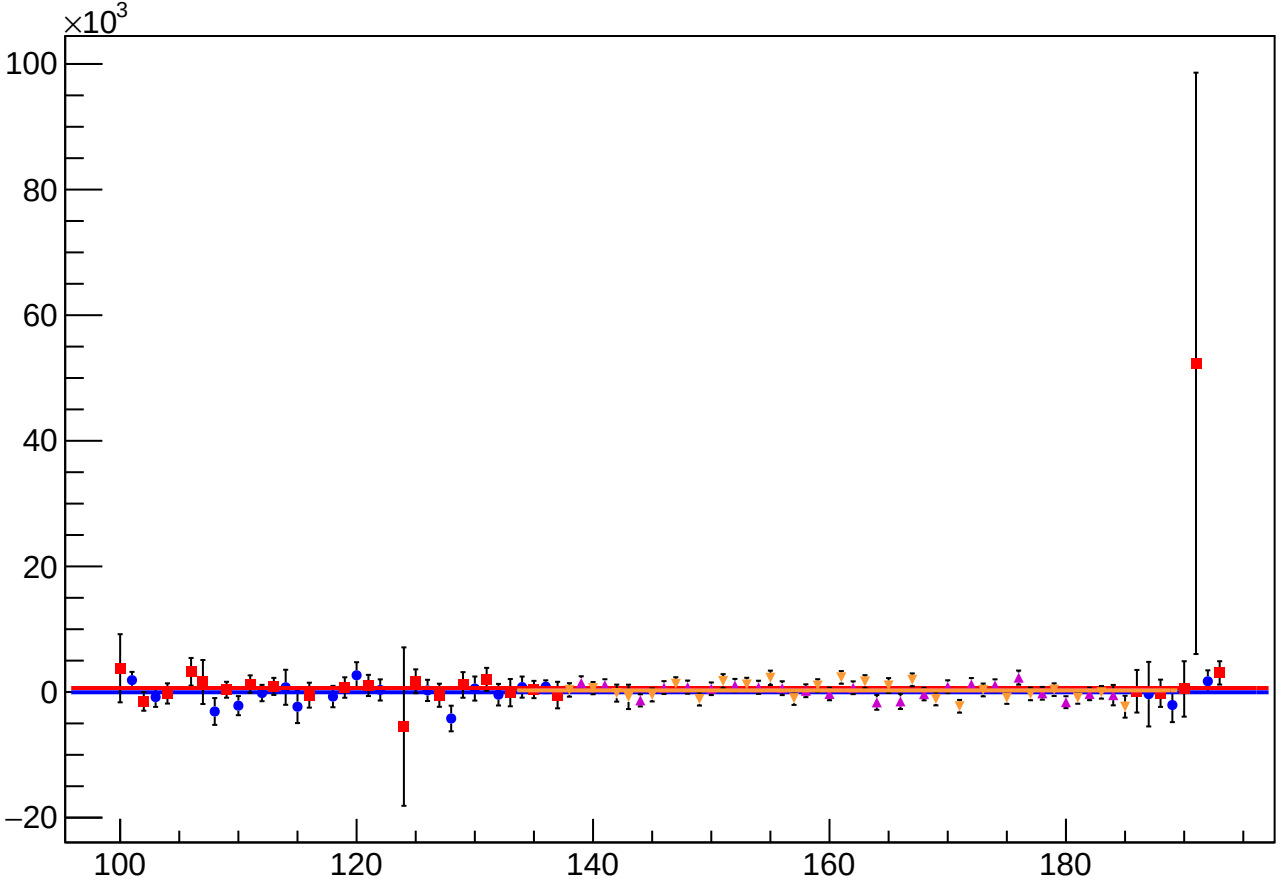
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1573.548+/-0.212 χ^2/NDF: 1305914.7/43

All: 1577.450+/-0.150 χ^2/NDF: 3044939.4/90

- sign 1581.386+/-0.213 χ^2/NDF: 1738346.4/46

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: 639.961+/-390.718 χ^2/NDF: 9.9/23

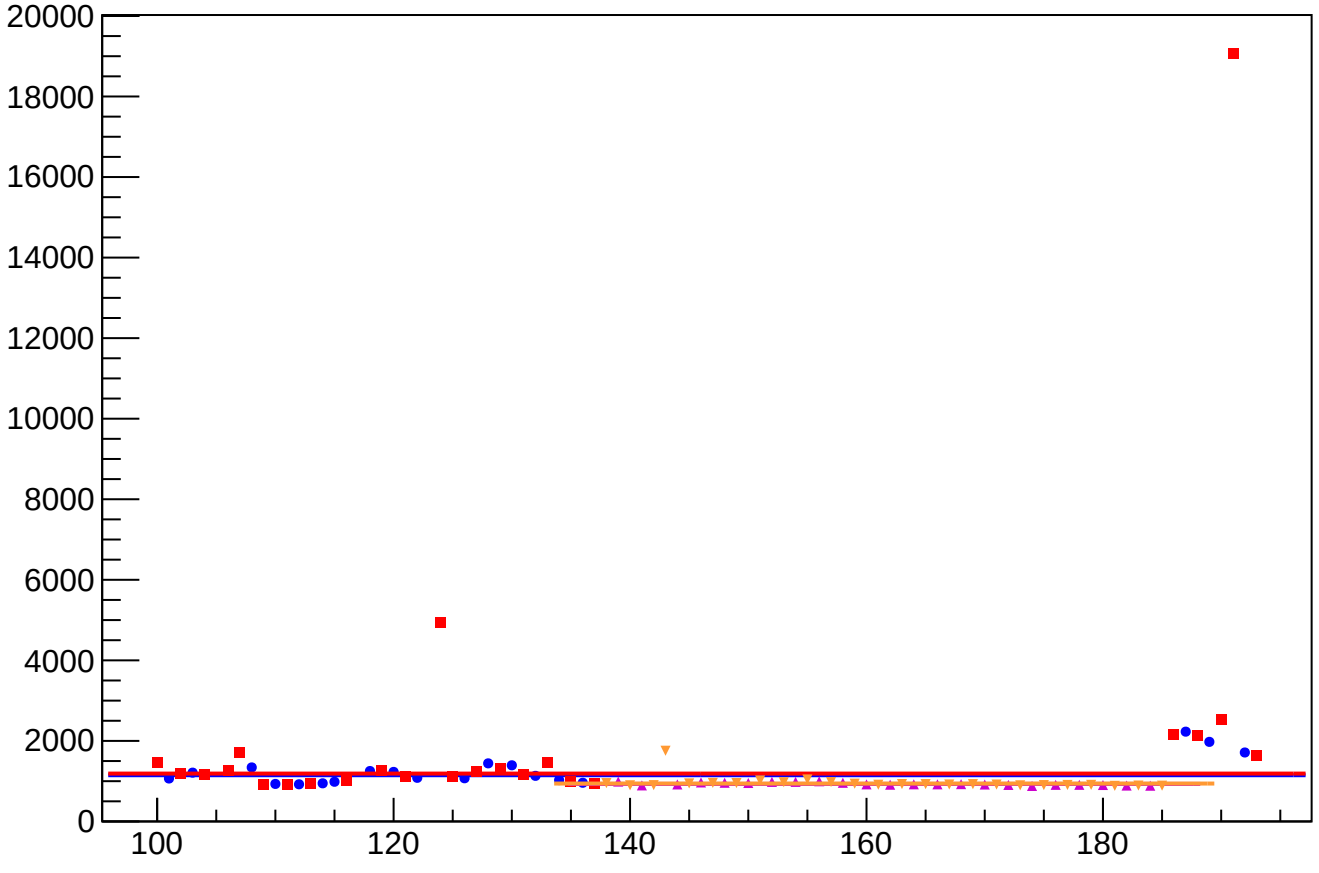
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 192.593+/-188.669 χ^2/NDF: 50.5/43

All: 273.350+/-133.934 χ^2/NDF: 82.8/90

- sign 355.391+/-190.163 χ^2/NDF: 32.0/46

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: 1188.536+/-0.276 χ^2/NDF: 1729705.0/23

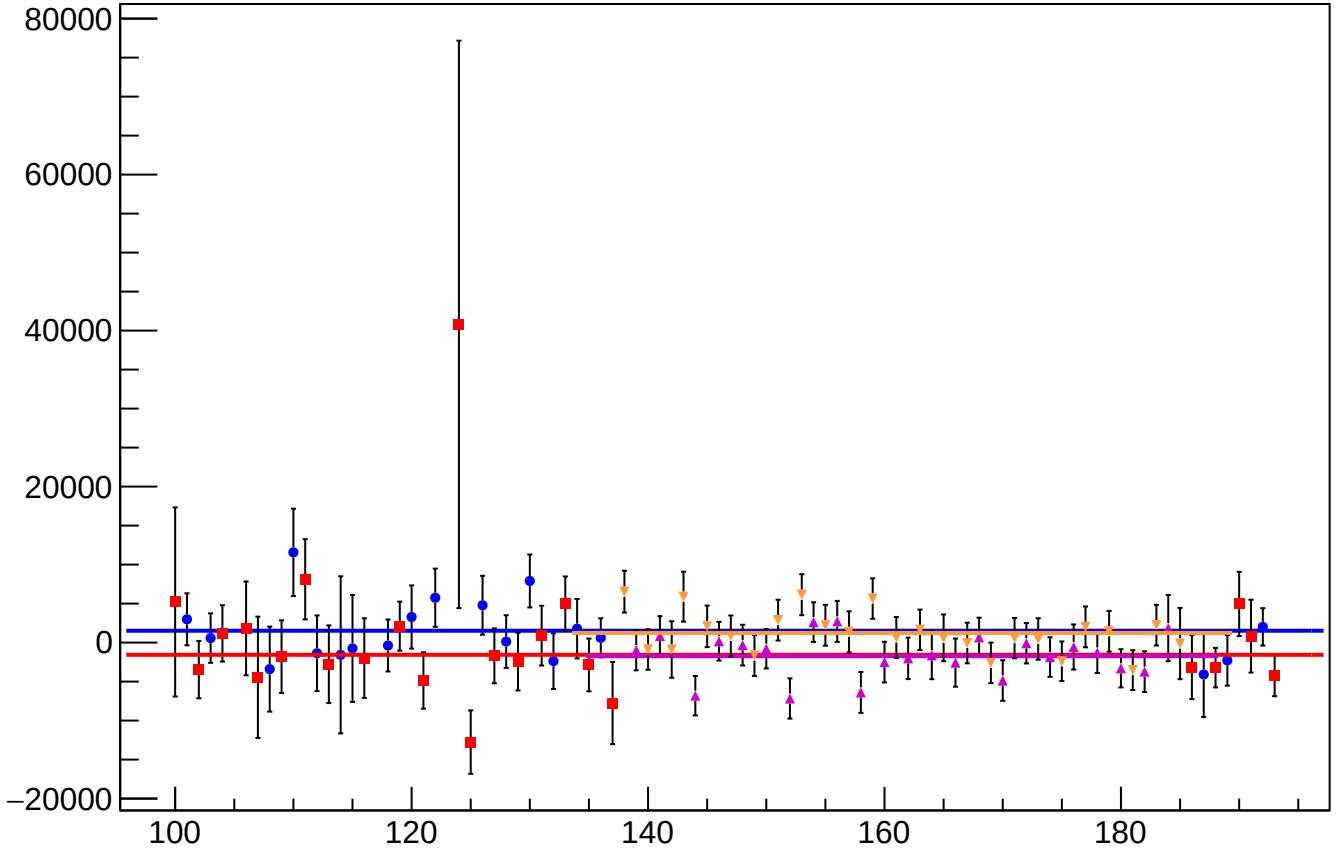
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 988.530+/-0.133 χ^2/NDF: 1641855.0/43

All: 990.467+/-0.095 χ^2/NDF: 4081102.8/90

- sign 992.434+/-0.134 χ^2/NDF: 2438823.1/46

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: -1567.551+/-819.348 χ^2/NDF: 26.1/23

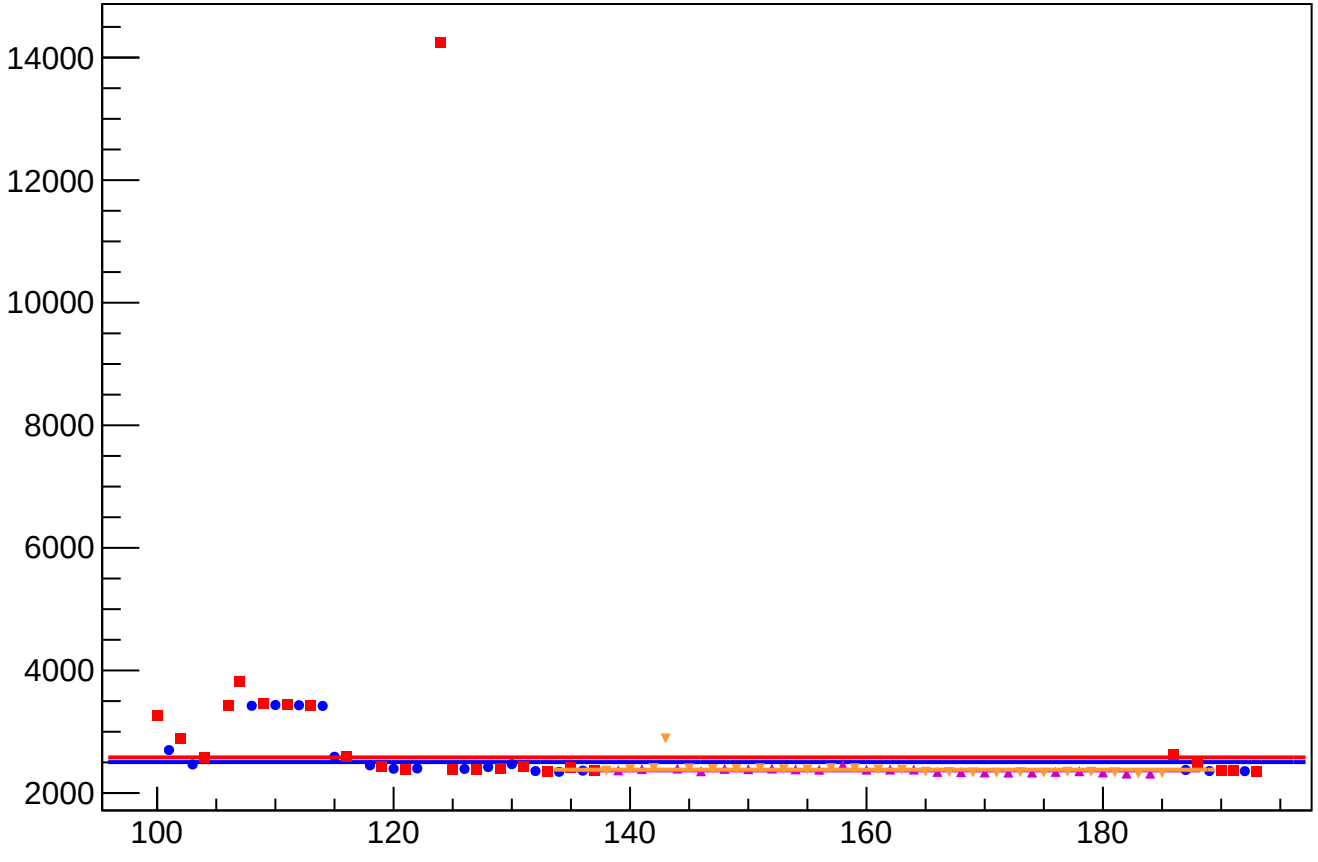
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1317.794+/-455.544 χ^2/NDF: 38.9/43

All: -174.934+/-323.163 χ^2/NDF: 111.0/90

- sign -1687.184+/-458.514 χ^2/NDF: 50.5/46

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: 2580.963+/-0.579 χ^2/NDF: 573298.4/23

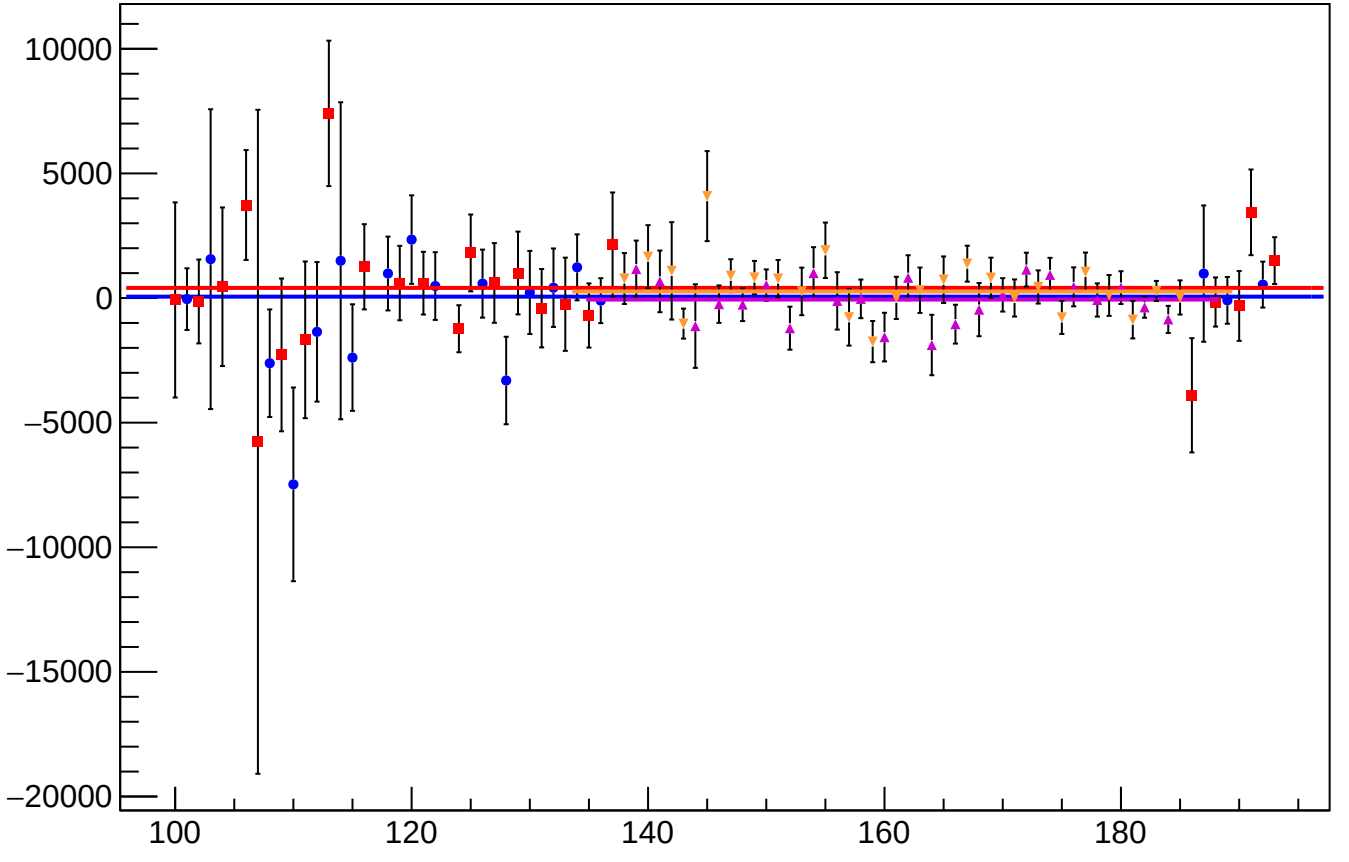
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2417.215+/-0.322 χ^2/NDF: 329753.4/43

All: 2426.369+/-0.229 χ^2/NDF: 1003310.8/90

- sign 2435.642+/-0.324 χ^2/NDF: 671931.6/46

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: 407.129+/-324.516 χ^2/NDF: 24.3/23

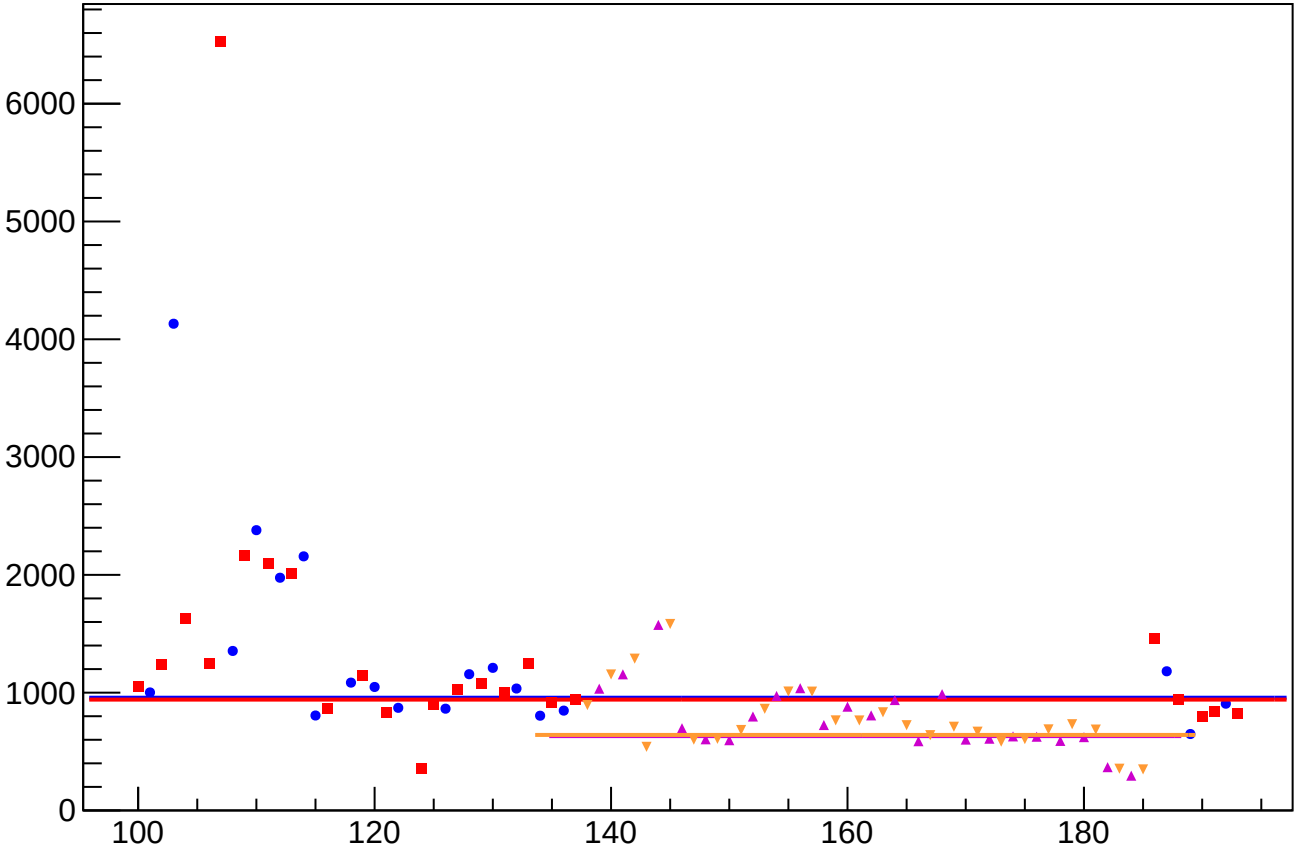
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 227.135+/-140.464 χ^2/NDF: 45.7/43

All: 128.069+/-99.728 χ^2/NDF: 94.6/90

- sign 27.372+/-141.616 χ^2/NDF: 48.0/46

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: 941.067+/-0.229 χ^2/NDF: 2479138.4/23

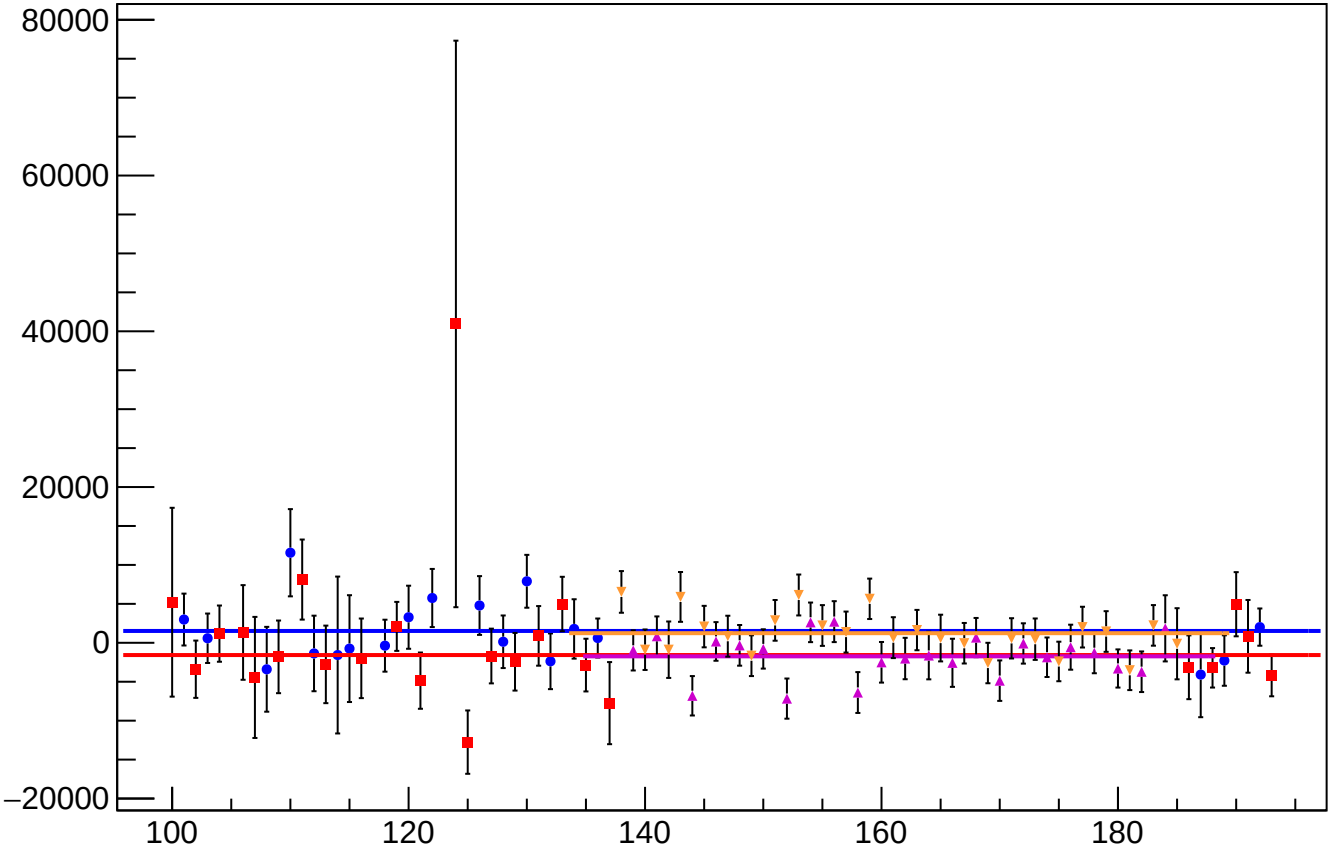
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 694.273+/-0.099 χ^2/NDF: 6536968.3/43

All: 692.258+/-0.071 χ^2/NDF: 14468634.1/90

- sign 690.209+/-0.100 χ^2/NDF: 7930835.7/46

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: -1574.269+/-819.521 χ^2/NDF: 26.0/23

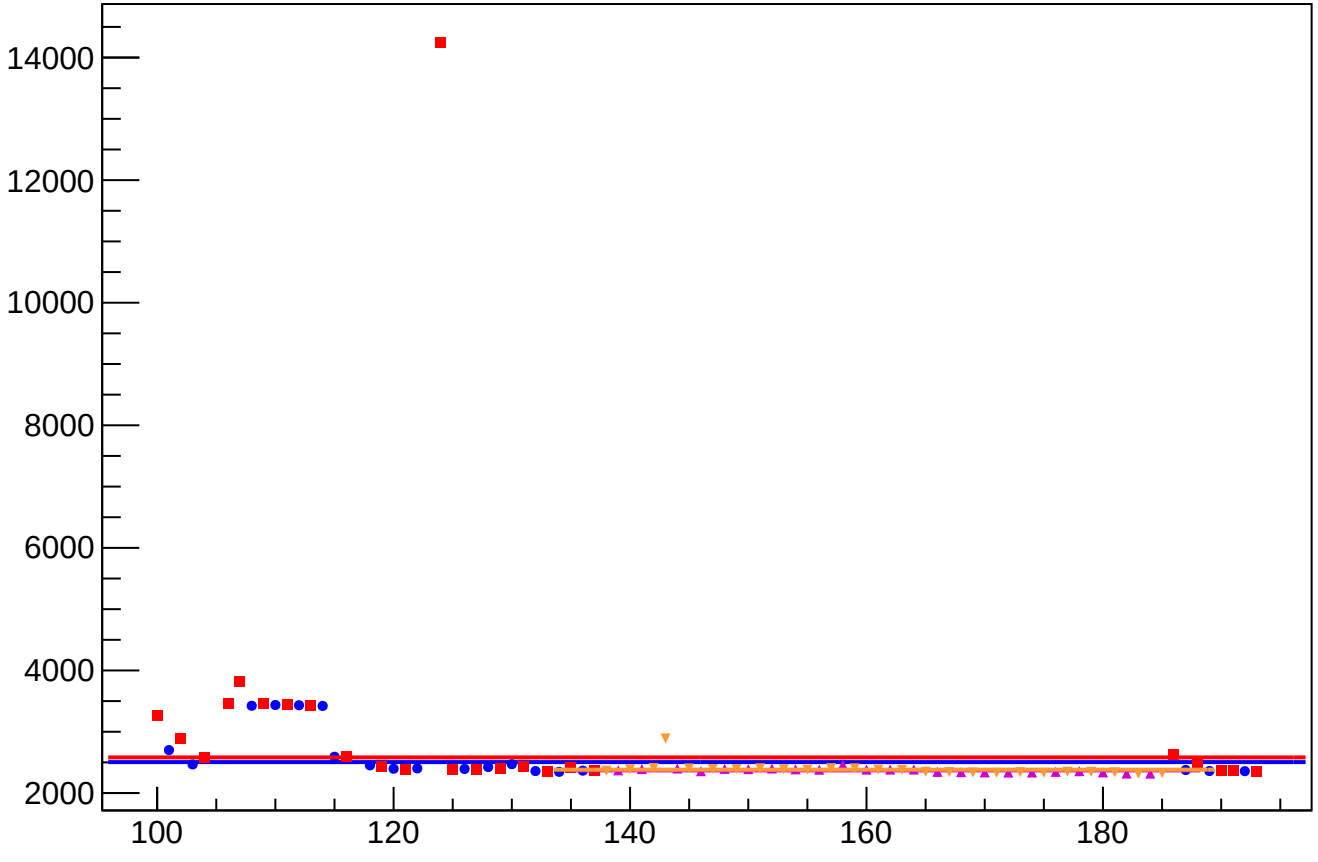
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1317.867+/-455.544 χ^2/NDF: 38.9/43

All: -175.869+/-323.174 χ^2/NDF: 110.9/90

- sign -1689.340+/-458.544 χ^2/NDF: 50.4/46

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: 2581.320+/-0.579 χ^2/NDF: 576023.2/23

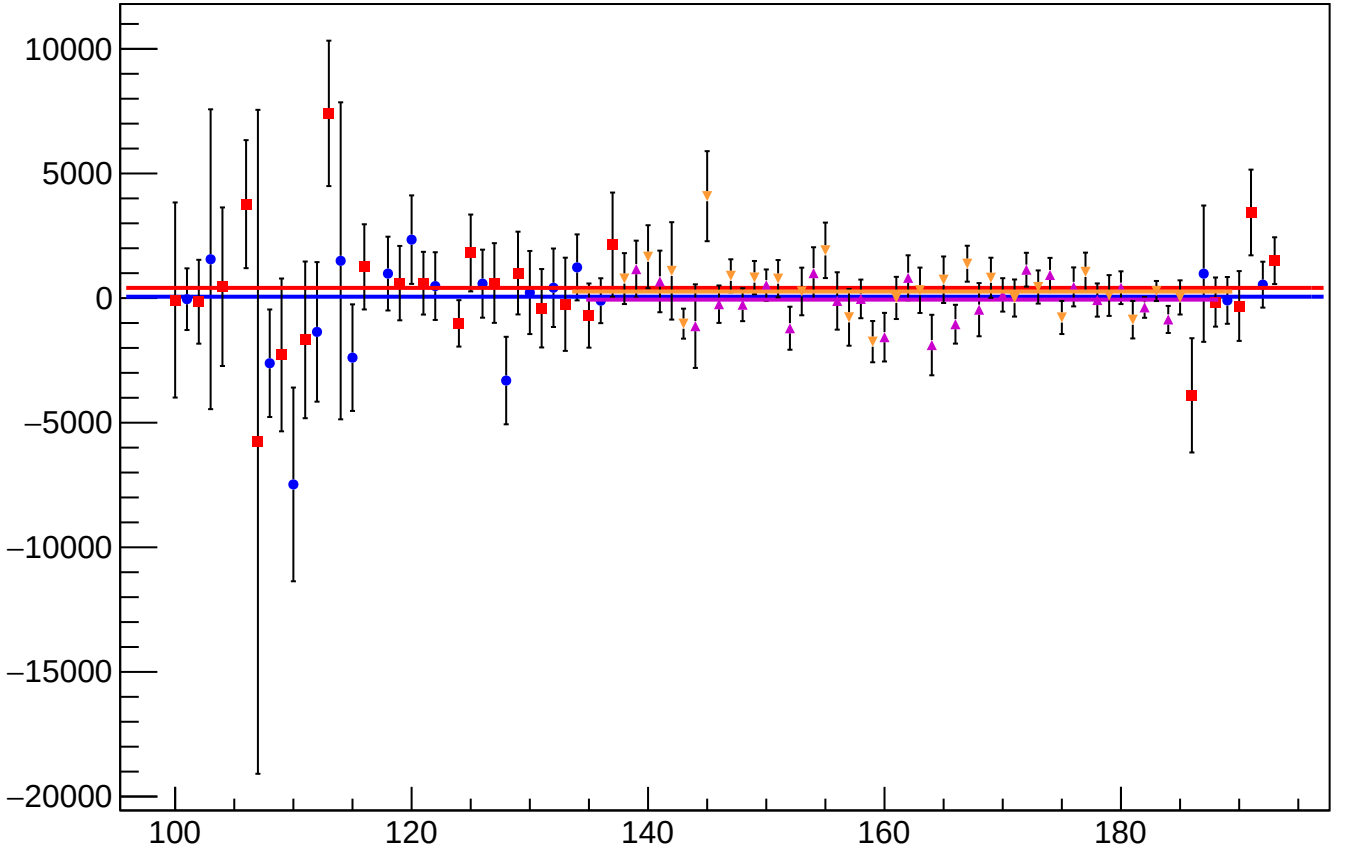
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2417.215+/-0.322 χ^2/NDF: 329753.4/43

All: 2426.414+/-0.229 χ^2/NDF: 1006334.9/90

- sign 2435.735+/-0.324 χ^2/NDF: 674939.5/46

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: 409.425+/-324.932 χ^2/NDF: 23.0/23

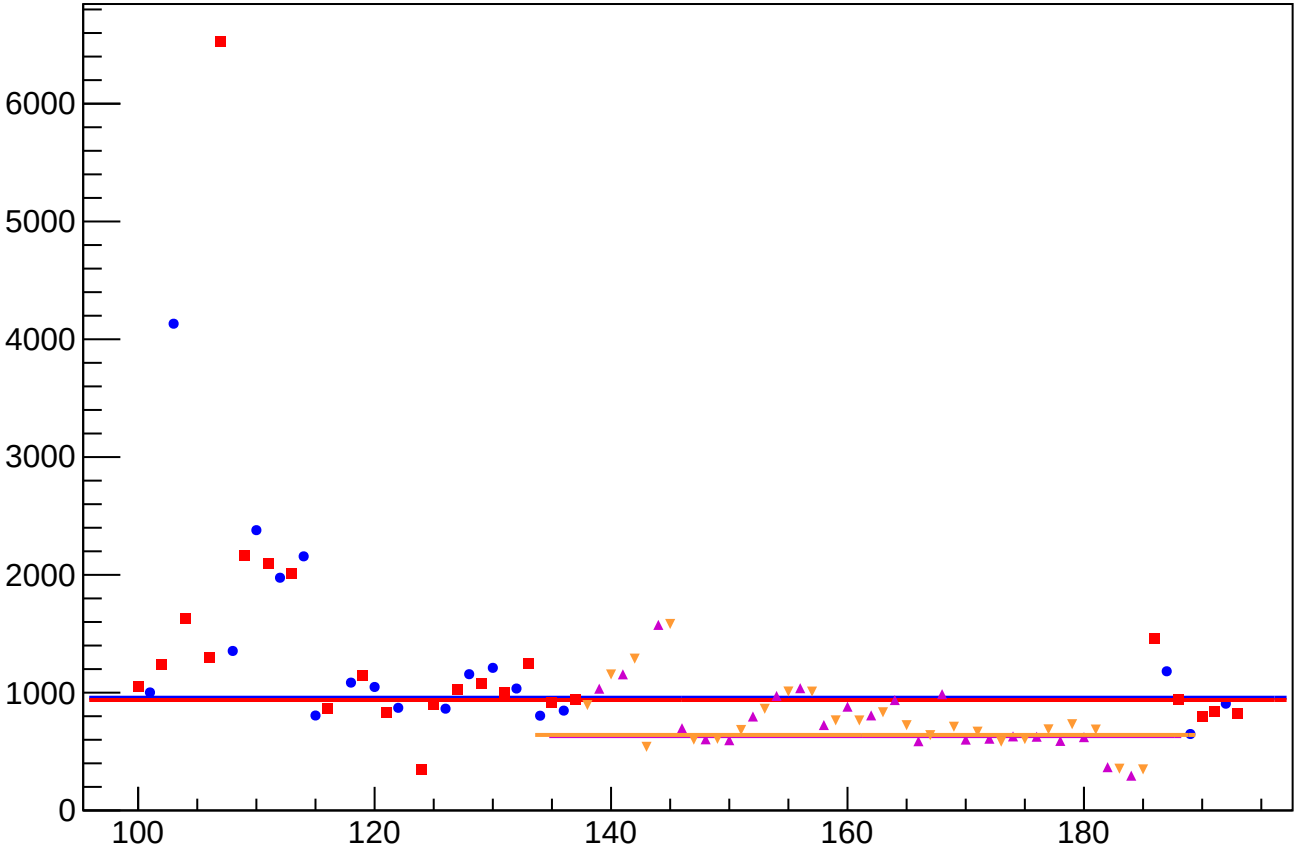
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

\+ sign 227.360+/-140.466 χ^2/NDF: 45.7/43

All: 128.323+/-99.741 χ^2/NDF: 93.4/90

\- sign 27.610+/-141.650 χ^2/NDF: 46.7/46

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: 937.679+/-0.230 χ^2/NDF: 2511316.7/23

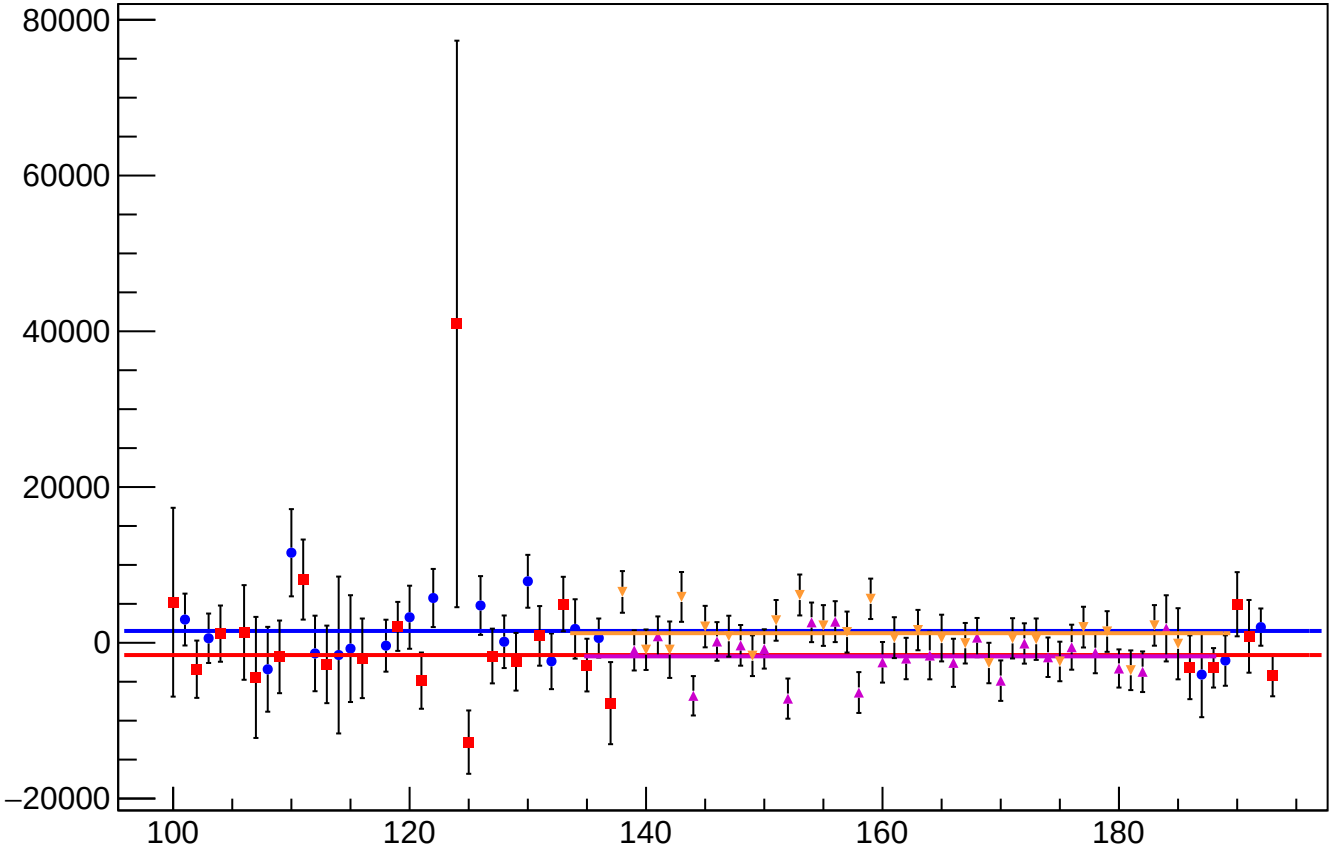
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 694.285+/-0.099 χ^2/NDF: 6536511.6/43

All: 691.883+/-0.071 χ^2/NDF: 14465763.5/90

- sign 689.441+/-0.100 χ^2/NDF: 7928072.7/46

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: -1574.269+/-819.521 χ^2/NDF: 26.0/23

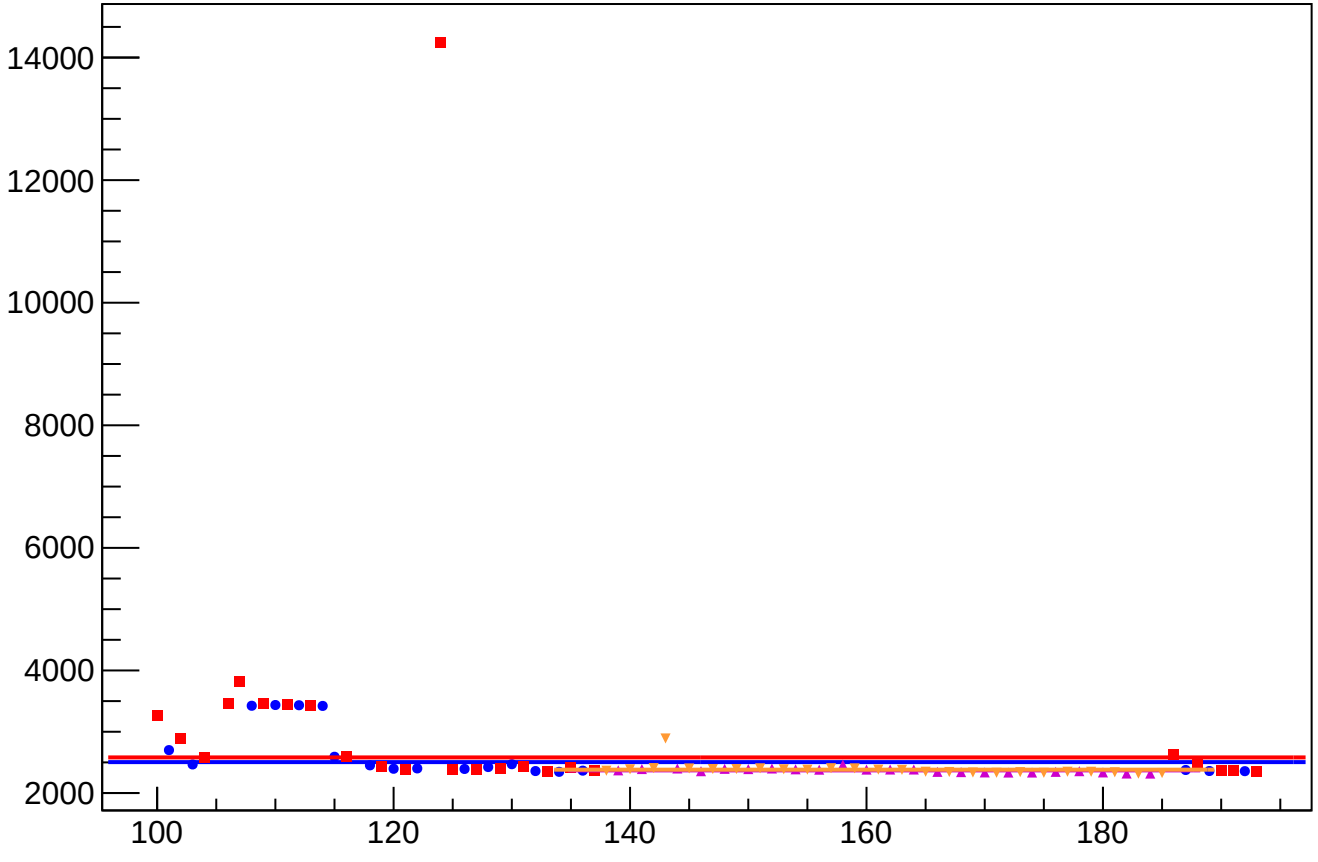
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1317.867+/-455.544 χ^2/NDF: 38.9/43

All: -175.869+/-323.174 χ^2/NDF: 110.9/90

- sign -1689.340+/-458.544 χ^2/NDF: 50.4/46

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: 2581.320+/-0.579 χ^2/NDF: 576023.2/23

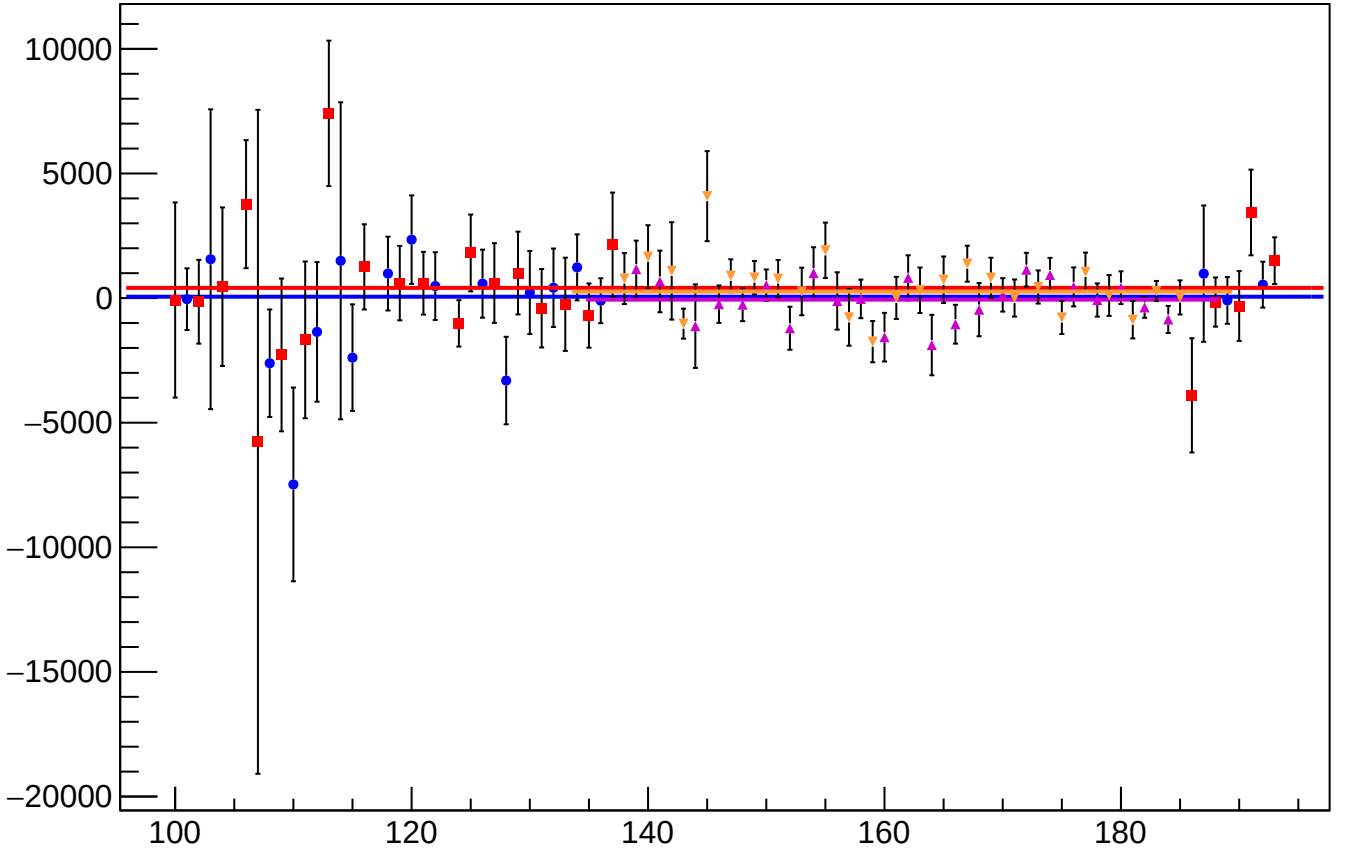
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2417.215+/-0.322 χ^2/NDF: 329753.4/43

All: 2426.414+/-0.229 χ^2/NDF: 1006334.9/90

- sign 2435.735+/-0.324 χ^2/NDF: 674939.5/46

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: 409.425+/-324.932 χ^2/NDF: 23.0/23

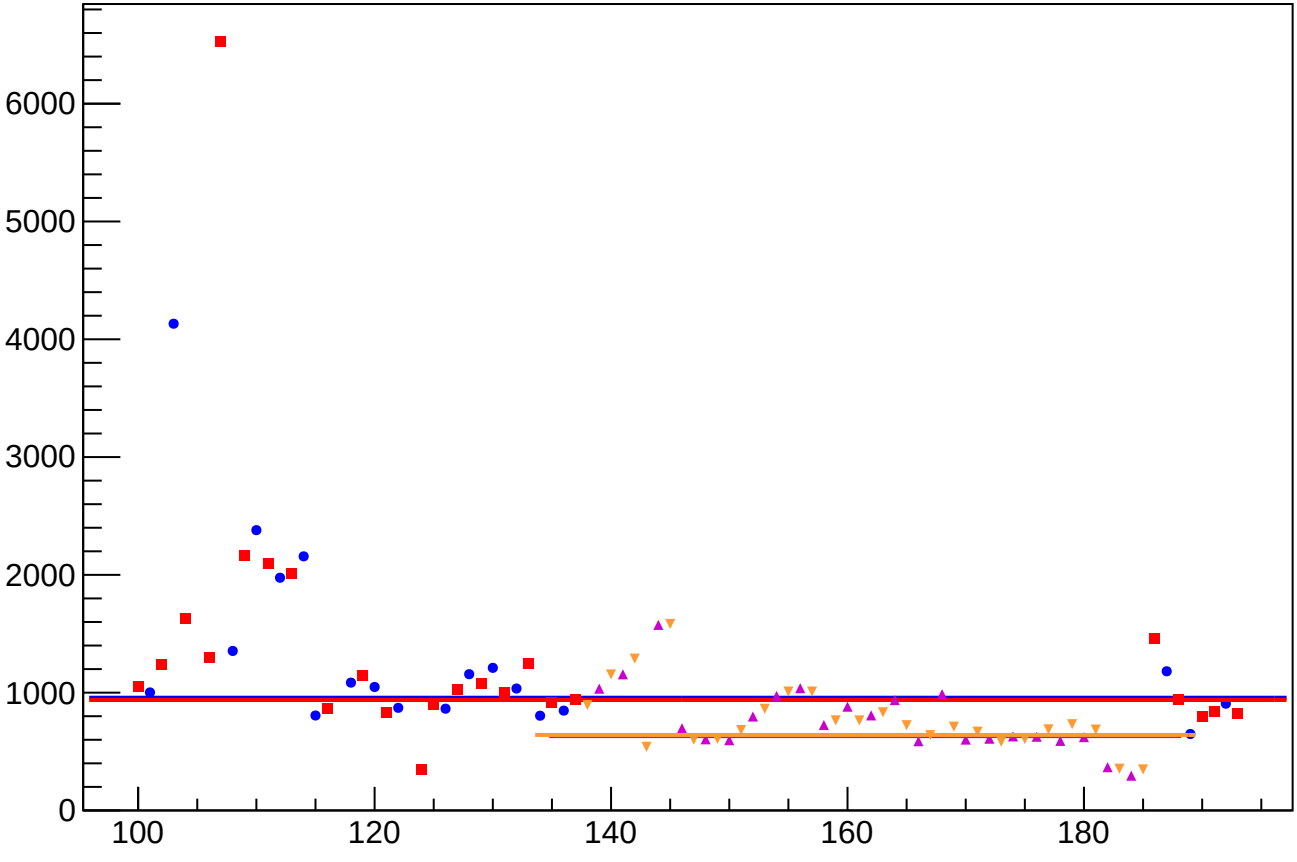
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 227.360+/-140.466 χ^2/NDF: 45.7/43

All: 128.323+/-99.741 χ^2/NDF: 93.4/90

- sign 27.610+/-141.650 χ^2/NDF: 46.7/46

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: 937.679+/-0.230 χ^2/NDF: 2511316.7/23

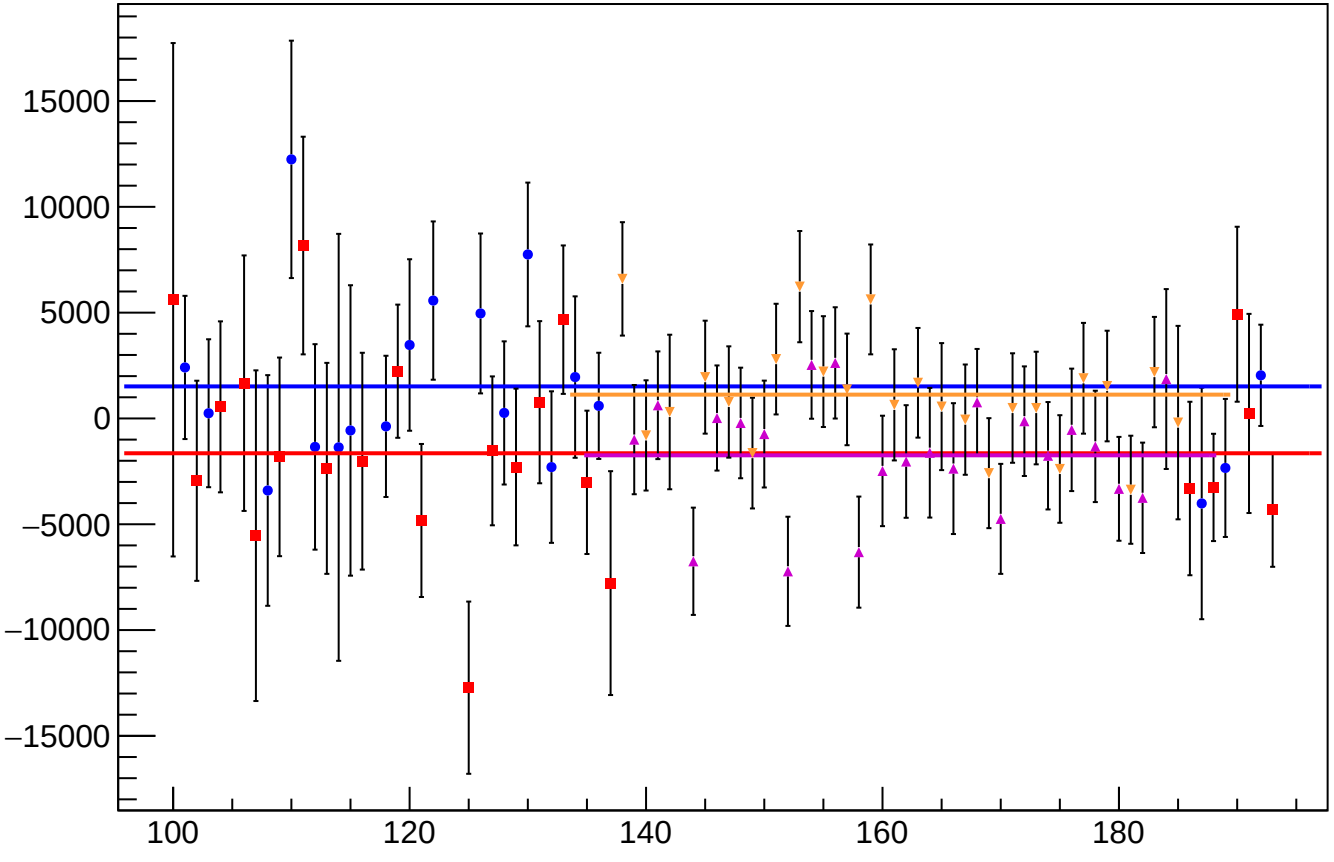
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 694.285+/-0.099 χ^2/NDF: 6536511.6/43

All: 691.883+/-0.071 χ^2/NDF: 14465763.5/90

- sign 689.441+/-0.100 χ^2/NDF: 7928072.7/46

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: -1645.174+/-833.462 χ^2/NDF: 24.1/22

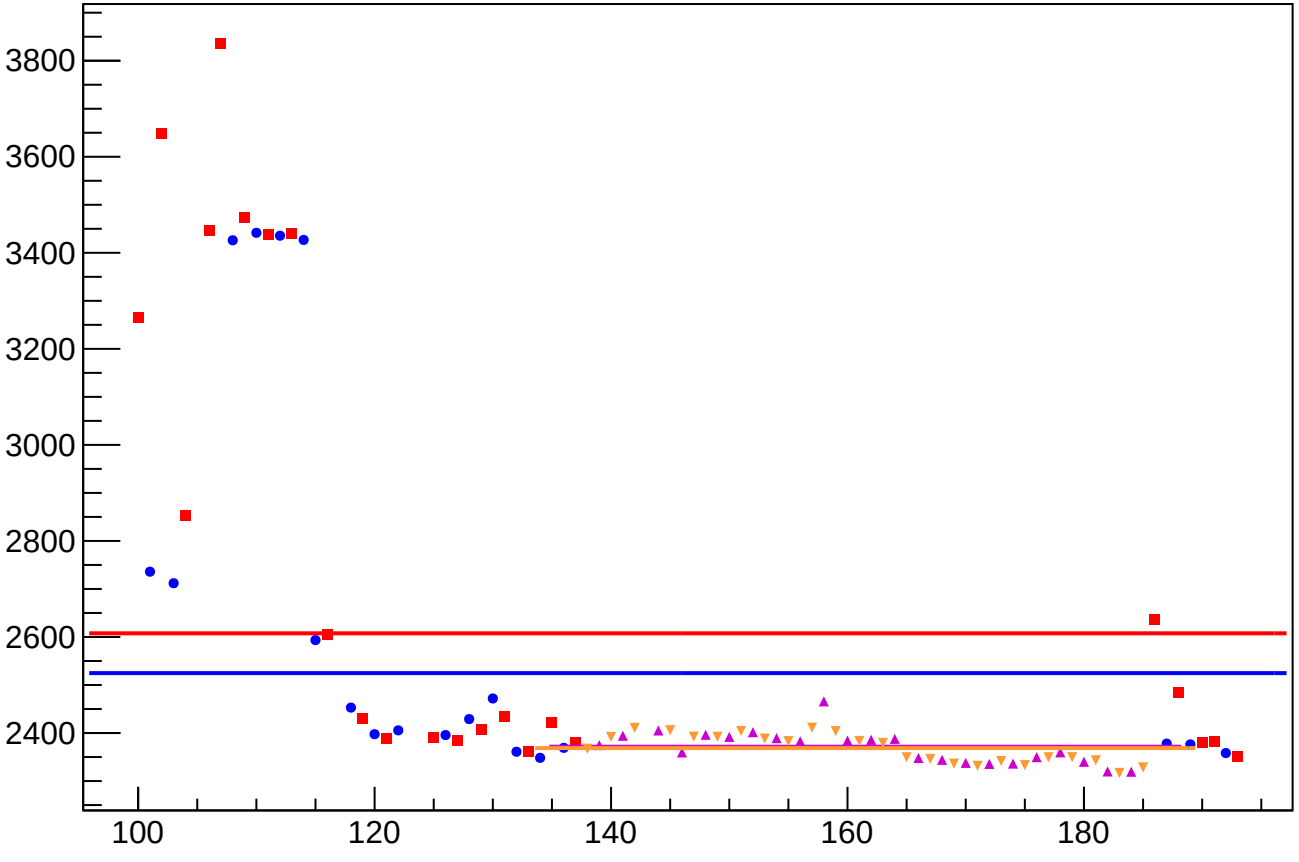
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1240.084+/-461.774 χ^2/NDF: 36.4/42

All: -237.968+/-326.332 χ^2/NDF: 104.7/88

- sign -1712.559+/-461.233 χ^2/NDF: 47.8/45

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: 2607.635+/-0.589 χ^2/NDF: 465031.2/22

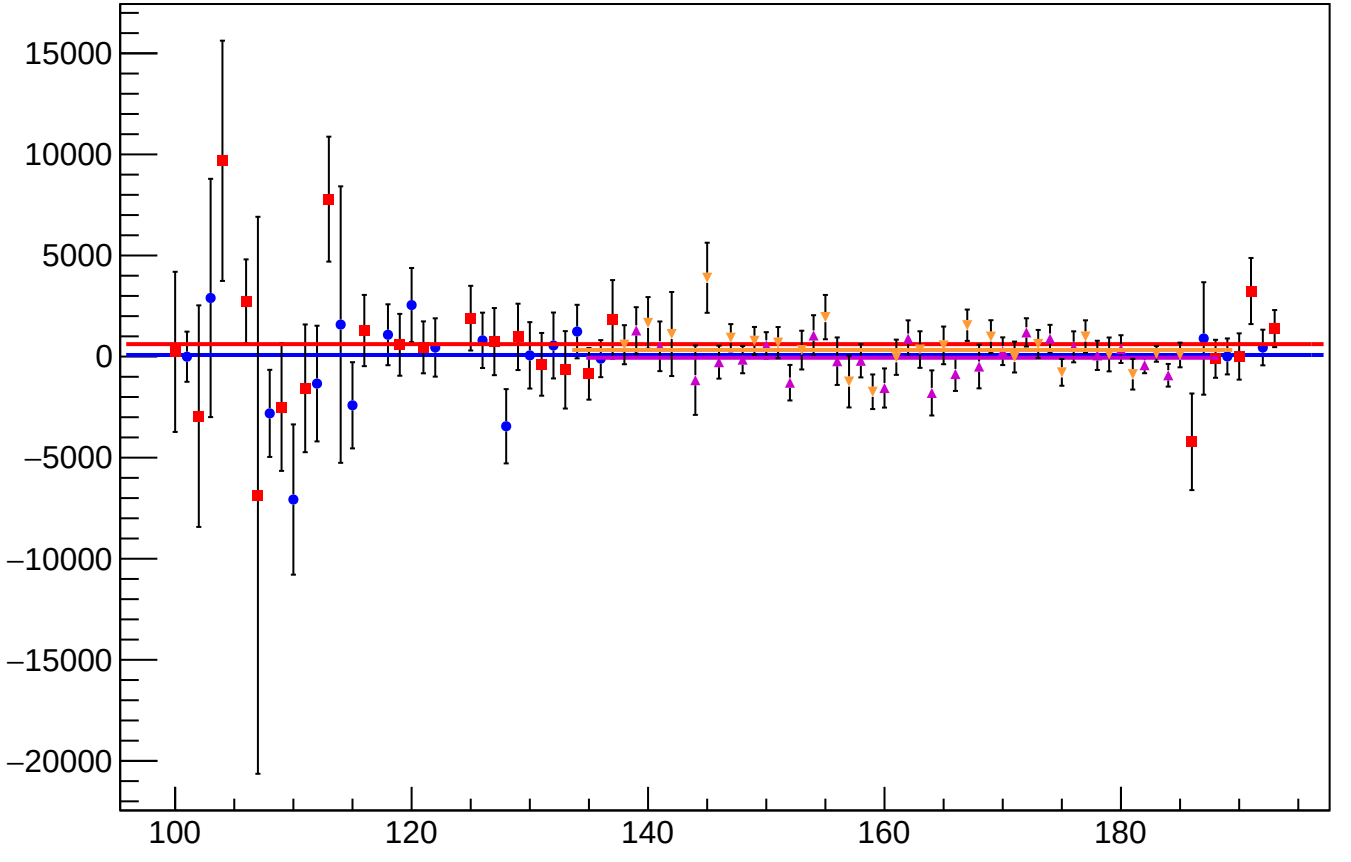
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2414.591+/-0.327 χ^2/NDF: 302119.8/42

All: 2429.227+/-0.231 χ^2/NDF: 889575.5/88

- sign 2443.828+/-0.326 χ^2/NDF: 583442.2/45

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: 615.365+/-346.056 χ^2/NDF: 22.6/22

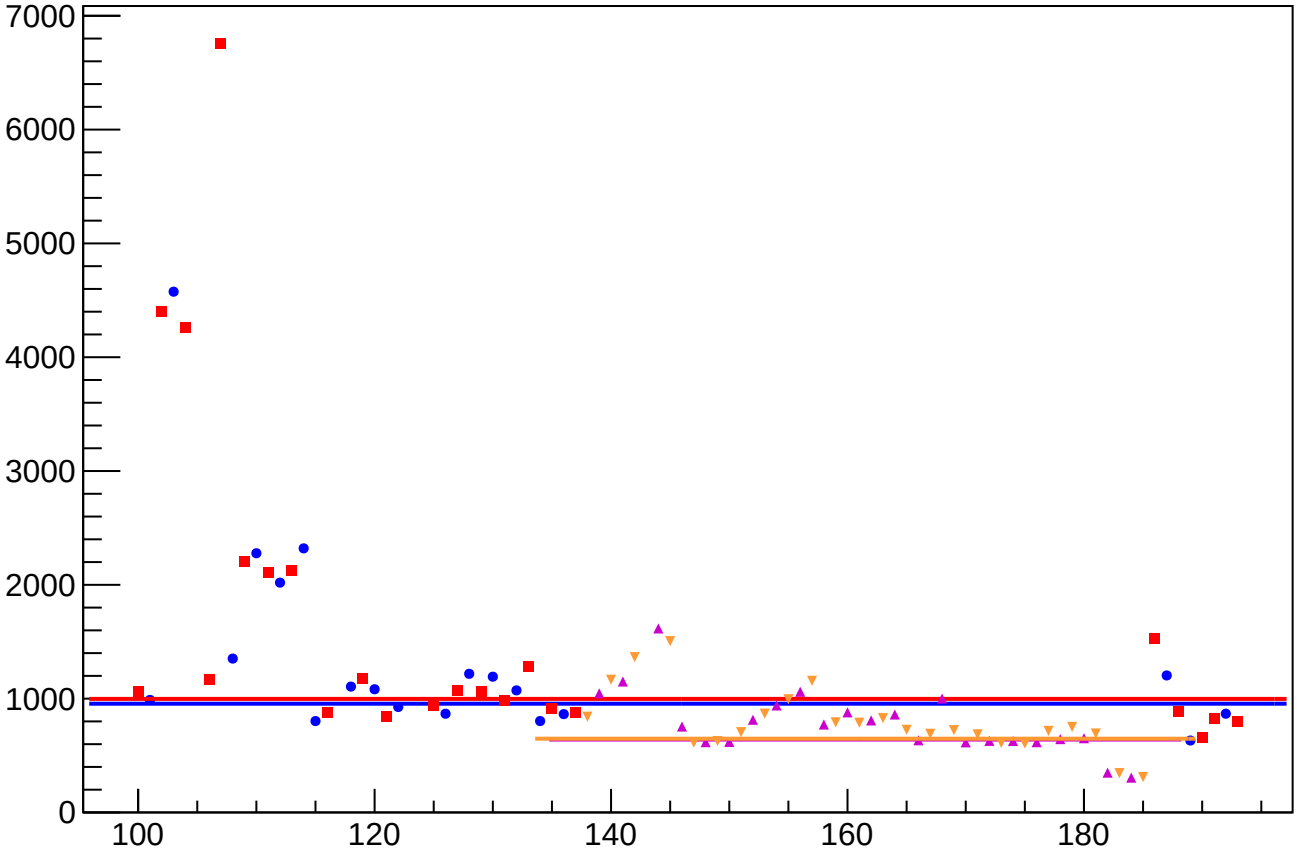
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

\+ sign 281.404+/-144.934 χ^2/NDF: 42.0/42

All: 170.166+/-102.501 χ^2/NDF: 91.7/88

\- sign 58.855+/-144.981 χ^2/NDF: 48.5/45

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: 997.788+/-0.245 χ^2/NDF: 3100479.4/22

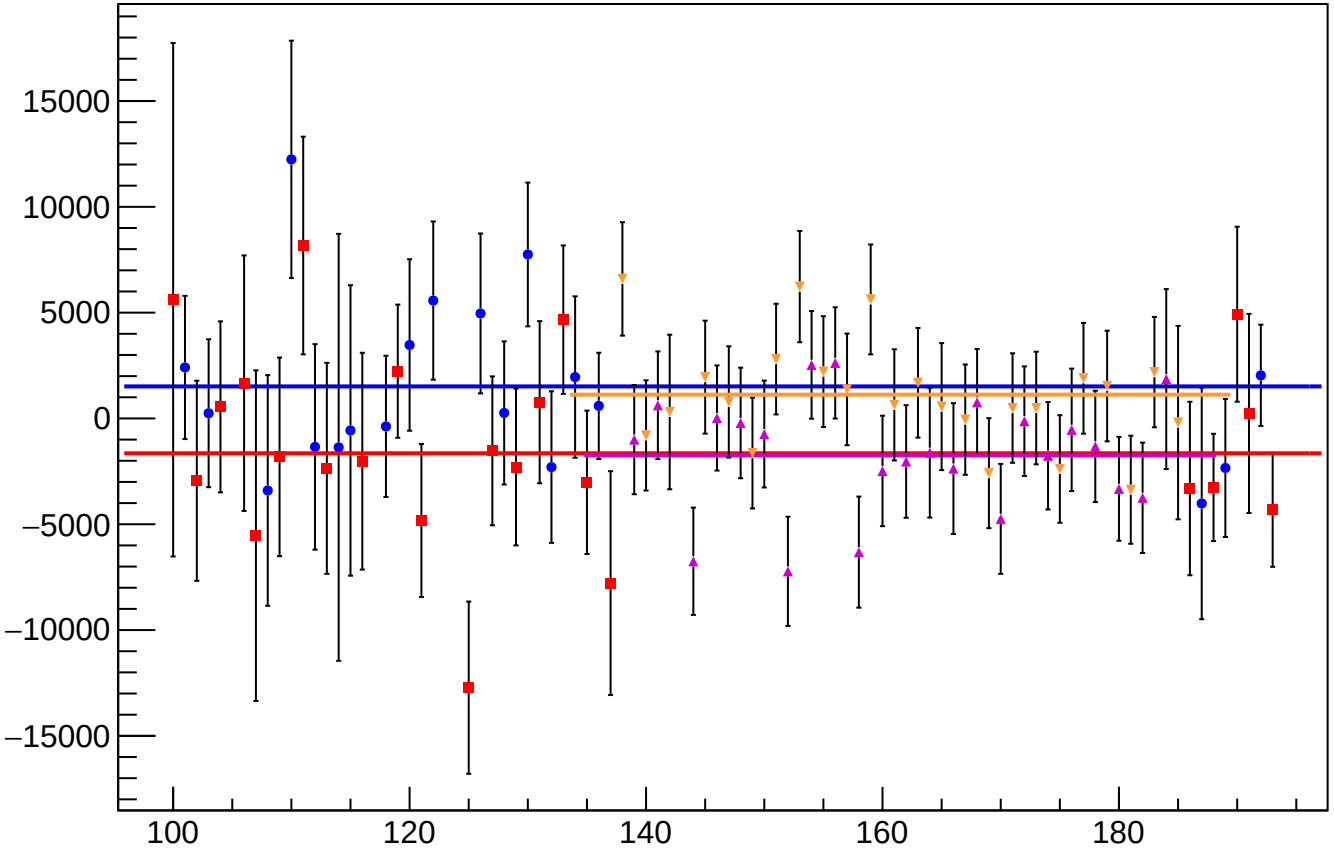
Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 703.411+/-0.102 χ^2/NDF: 7136489.2/42

All: 703.279+/-0.072 χ^2/NDF: 16124241.5/88

- sign 703.147+/-0.103 χ^2/NDF: 8987749.0/45

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: -1645.172+/-833.462 χ^2/NDF: 24.1/22

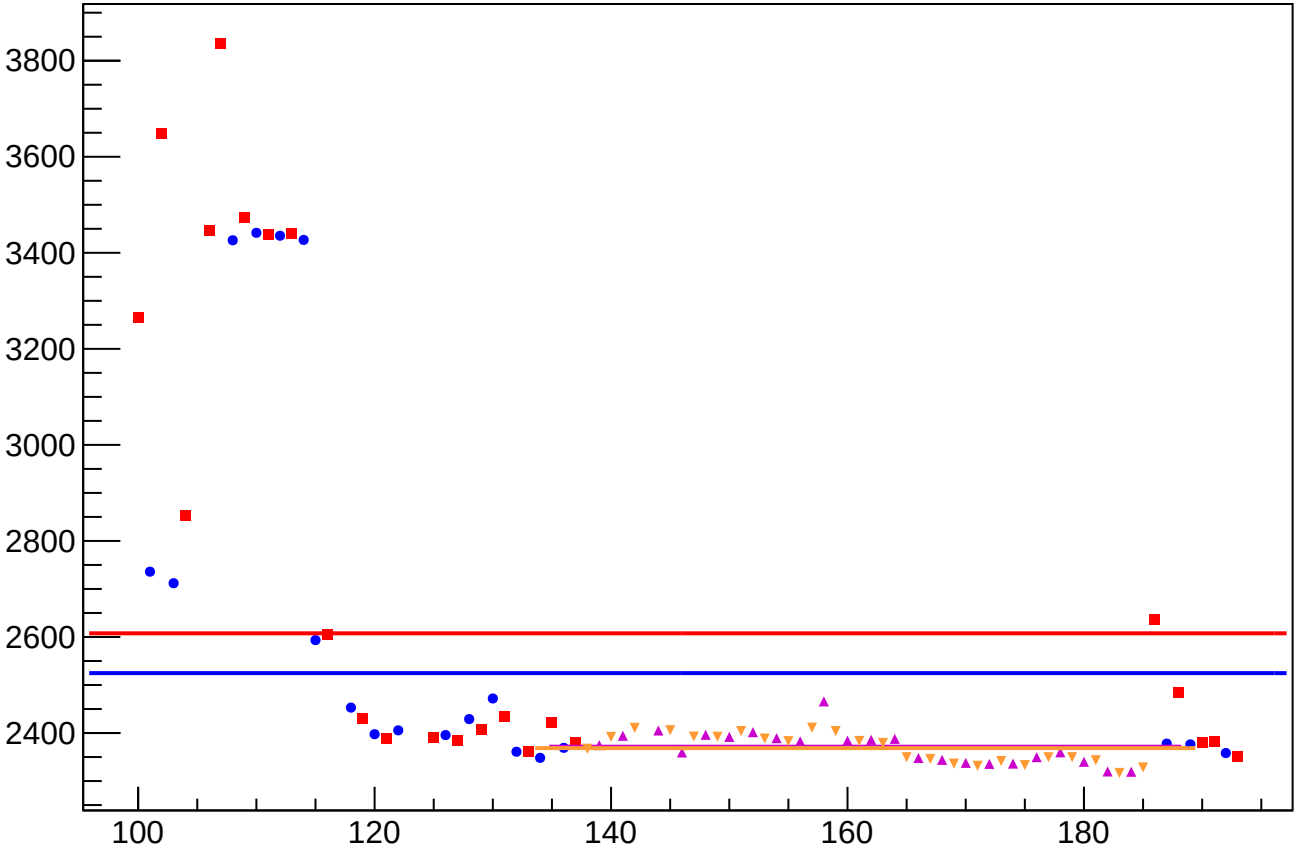
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1240.084+/-461.774 χ^2/NDF: 36.4/42

All: -237.968+/-326.332 χ^2/NDF: 104.7/88

- sign -1712.558+/-461.233 χ^2/NDF: 47.8/45

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: 2607.635+/-0.589 χ^2/NDF: 465030.4/22

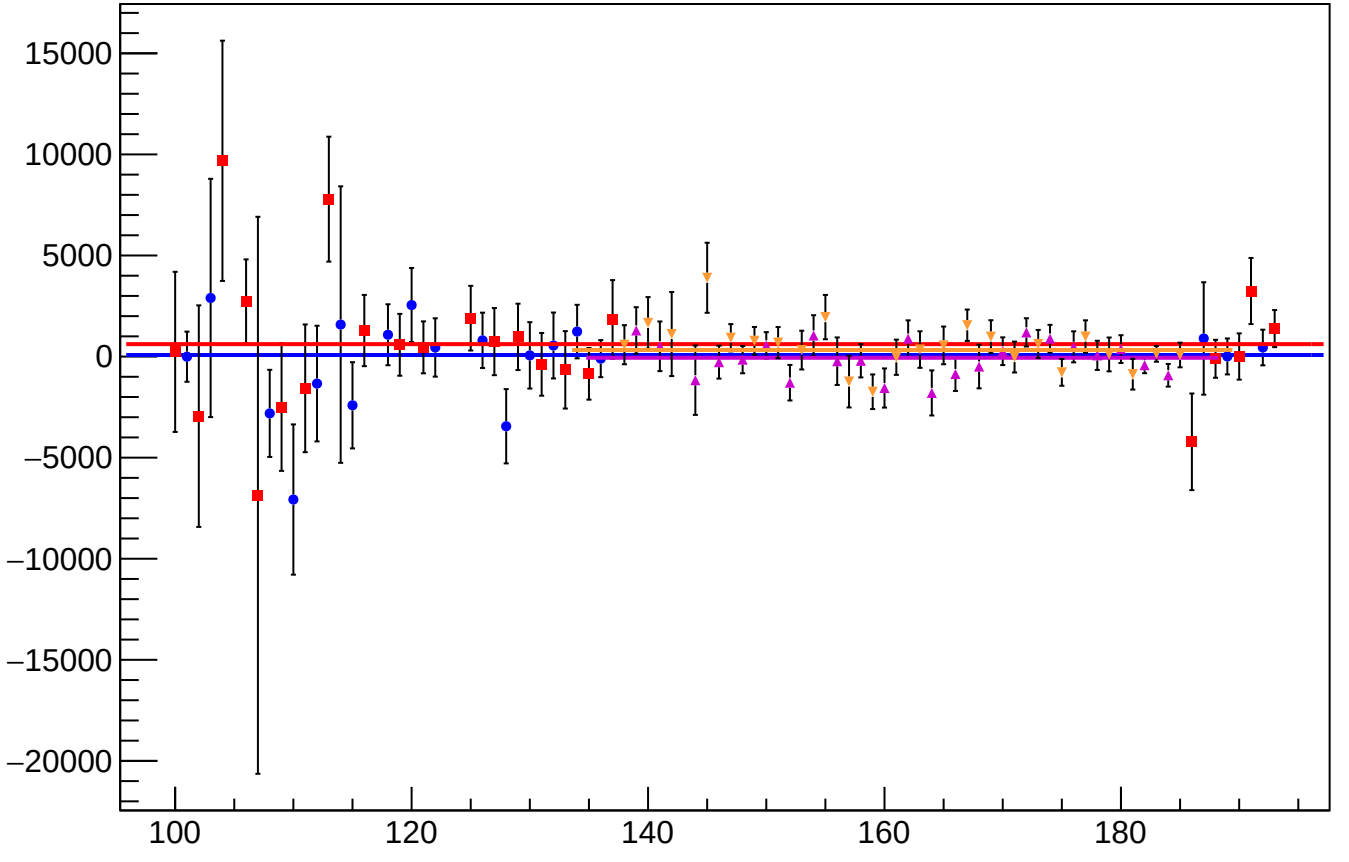
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2414.591+/-0.327 χ^2/NDF: 302119.3/42

All: 2429.226+/-0.231 χ^2/NDF: 889574.0/88

- sign 2443.828+/-0.326 χ^2/NDF: 583441.3/45

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: 615.364+/-346.056 χ^2/NDF: 22.6/22

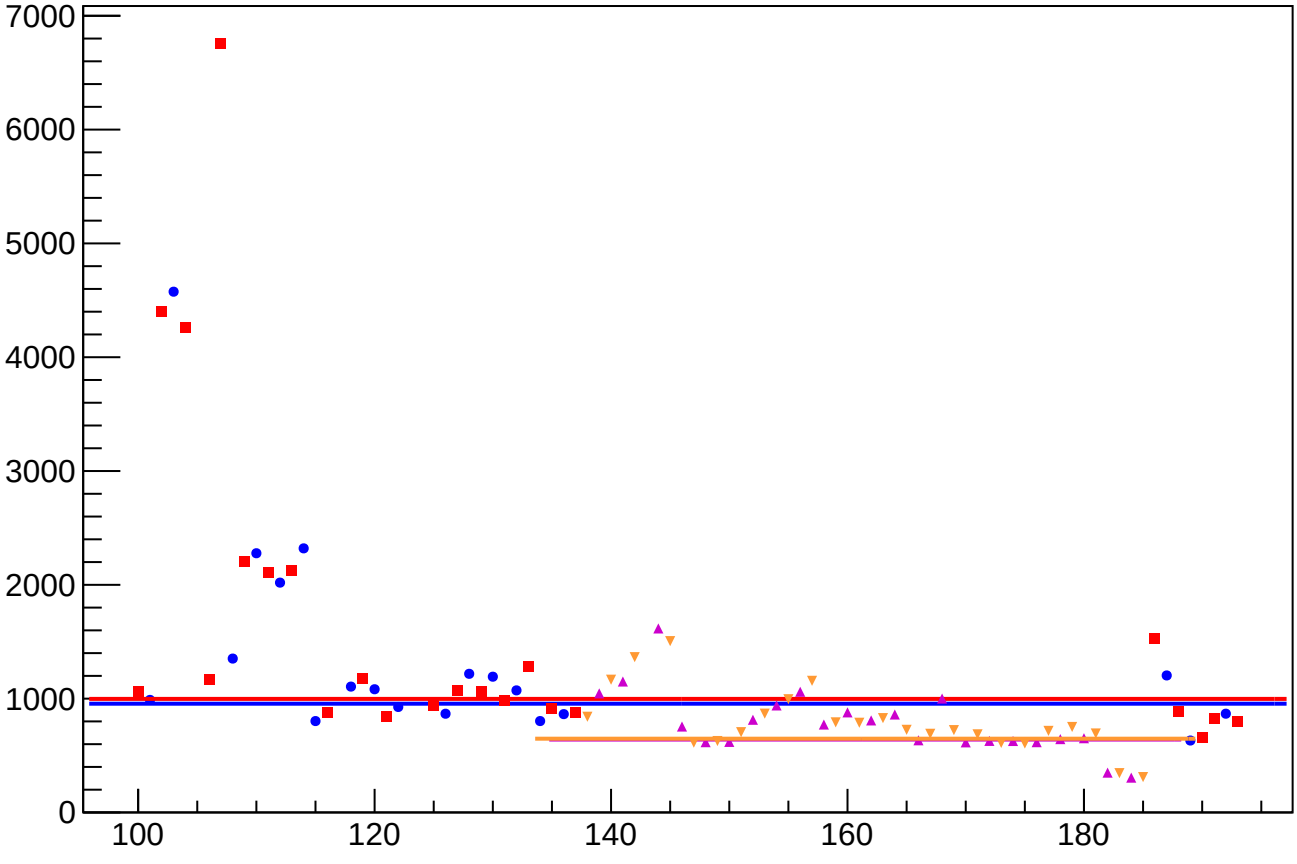
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 281.404+/-144.935 χ^2/NDF: 42.0/42

All: 170.165+/-102.501 χ^2/NDF: 91.7/88

- sign 58.855+/-144.981 χ^2/NDF: 48.5/45

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: 997.788+/-0.245 χ^2/NDF: 3100479.3/22

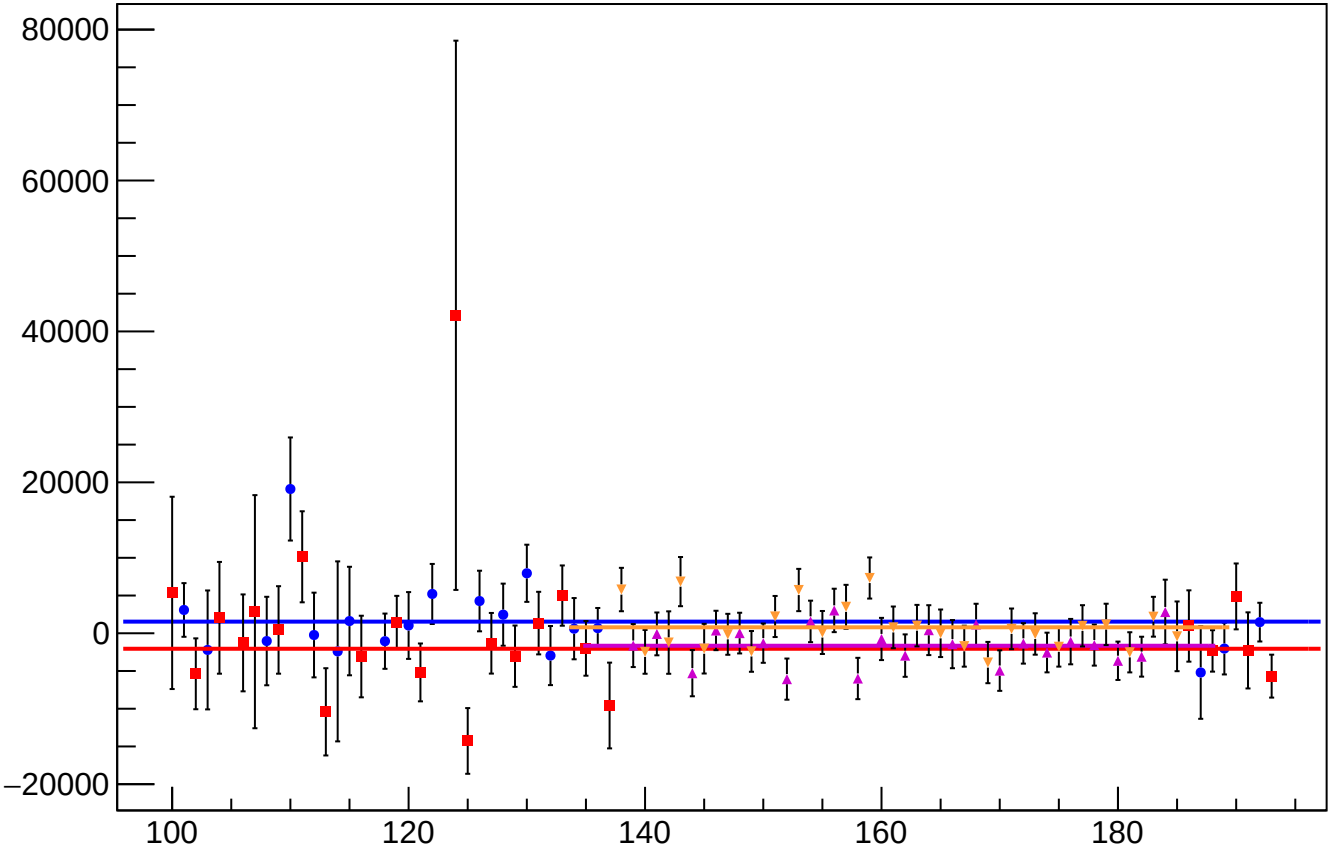
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 703.412+/-0.102 χ^2/NDF: 7136489.4/42

All: 703.280+/-0.072 χ^2/NDF: 16124244.8/88

- sign 703.148+/-0.103 χ^2/NDF: 8987752.1/45

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: -2053.792+/-925.827 χ^2/NDF: 28.9/23

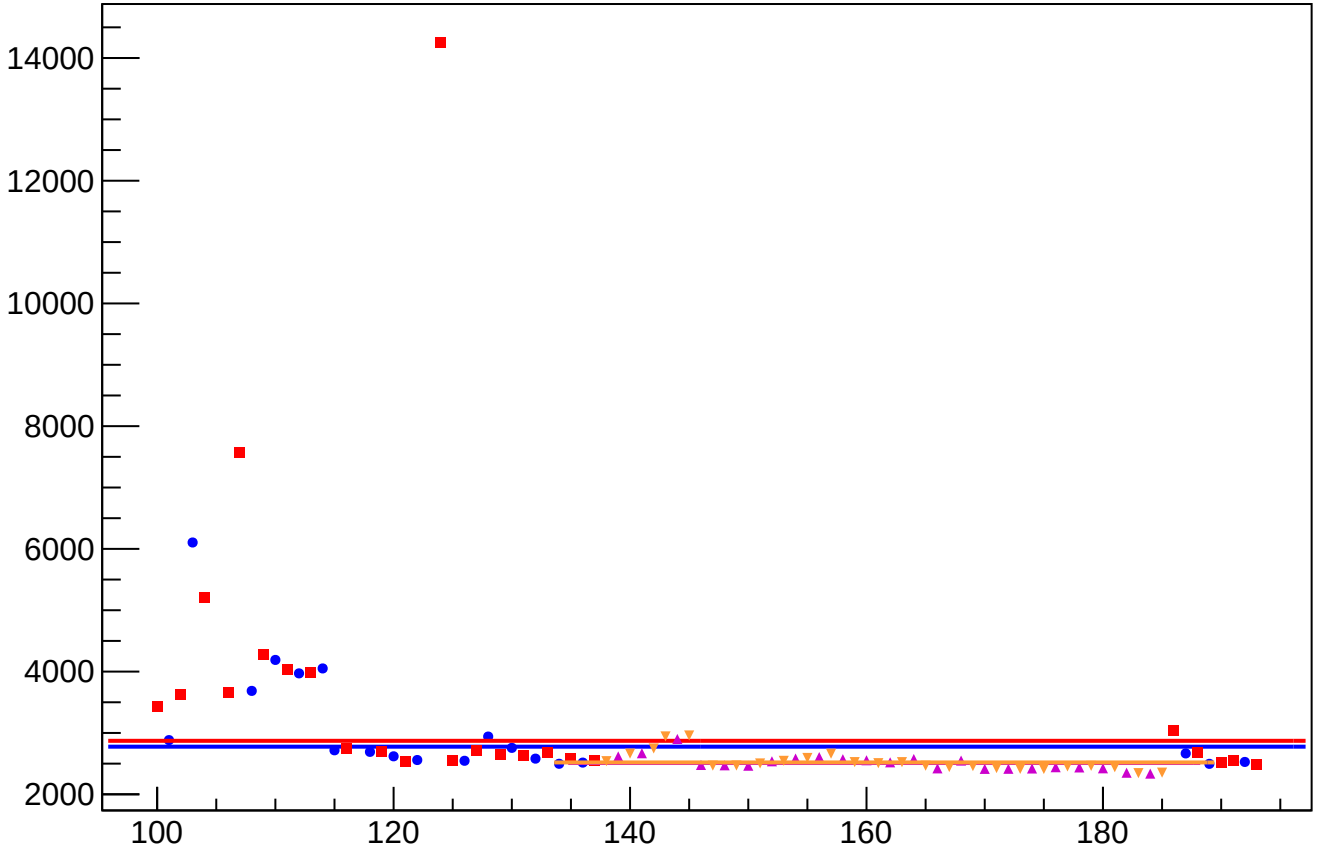
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 992.543+/-490.498 χ^2/NDF: 43.5/43

All: -373.911+/-348.629 χ^2/NDF: 105.6/90

- sign -1769.013+/-495.613 χ^2/NDF: 46.3/46

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: 2871.904+/-0.655 χ^2/NDF: 1071910.2/23

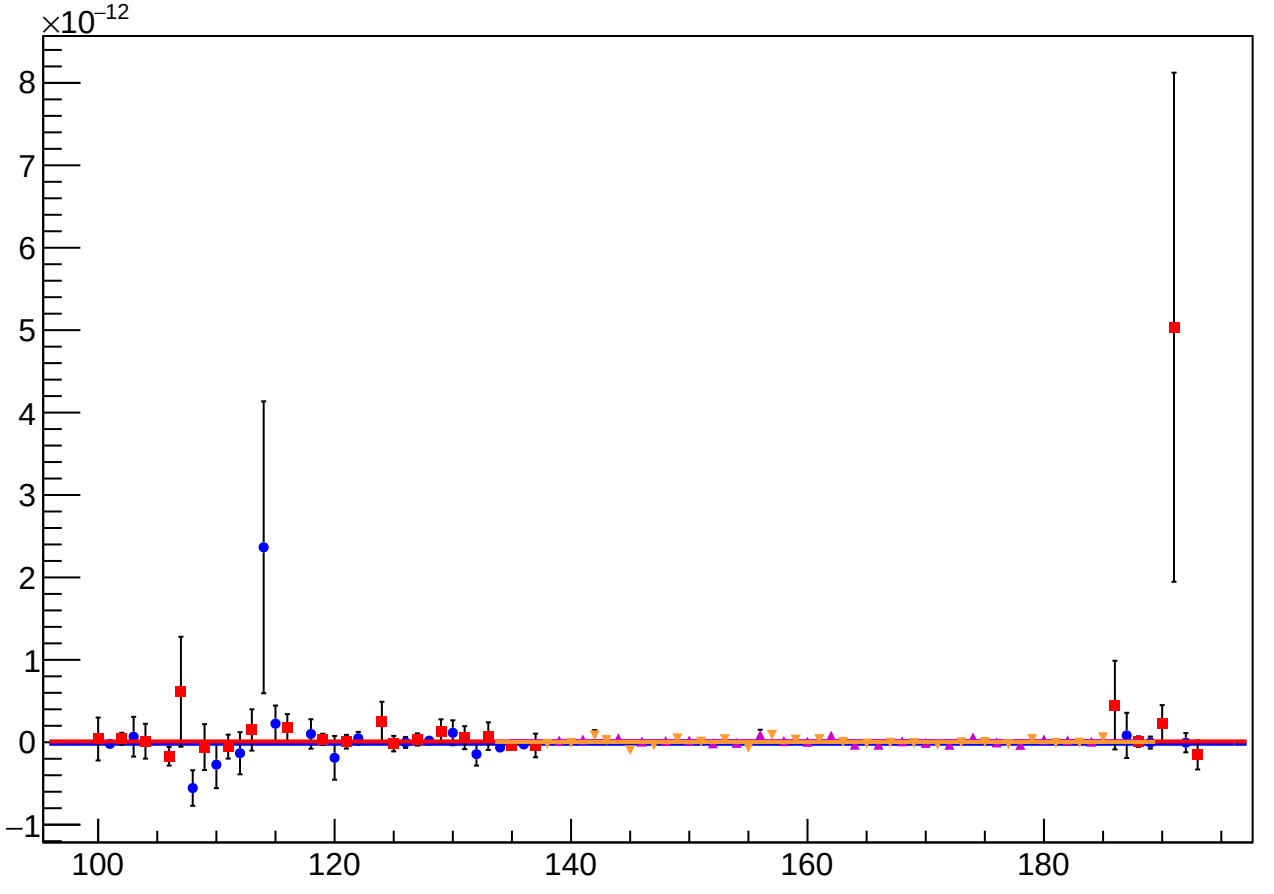
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2588.309+/-0.347 χ^2/NDF: 913974.1/43

All: 2600.933+/-0.247 χ^2/NDF: 2280171.9/90

- sign 2613.821+/-0.350 χ^2/NDF: 1363520.8/46

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: 13.4/23

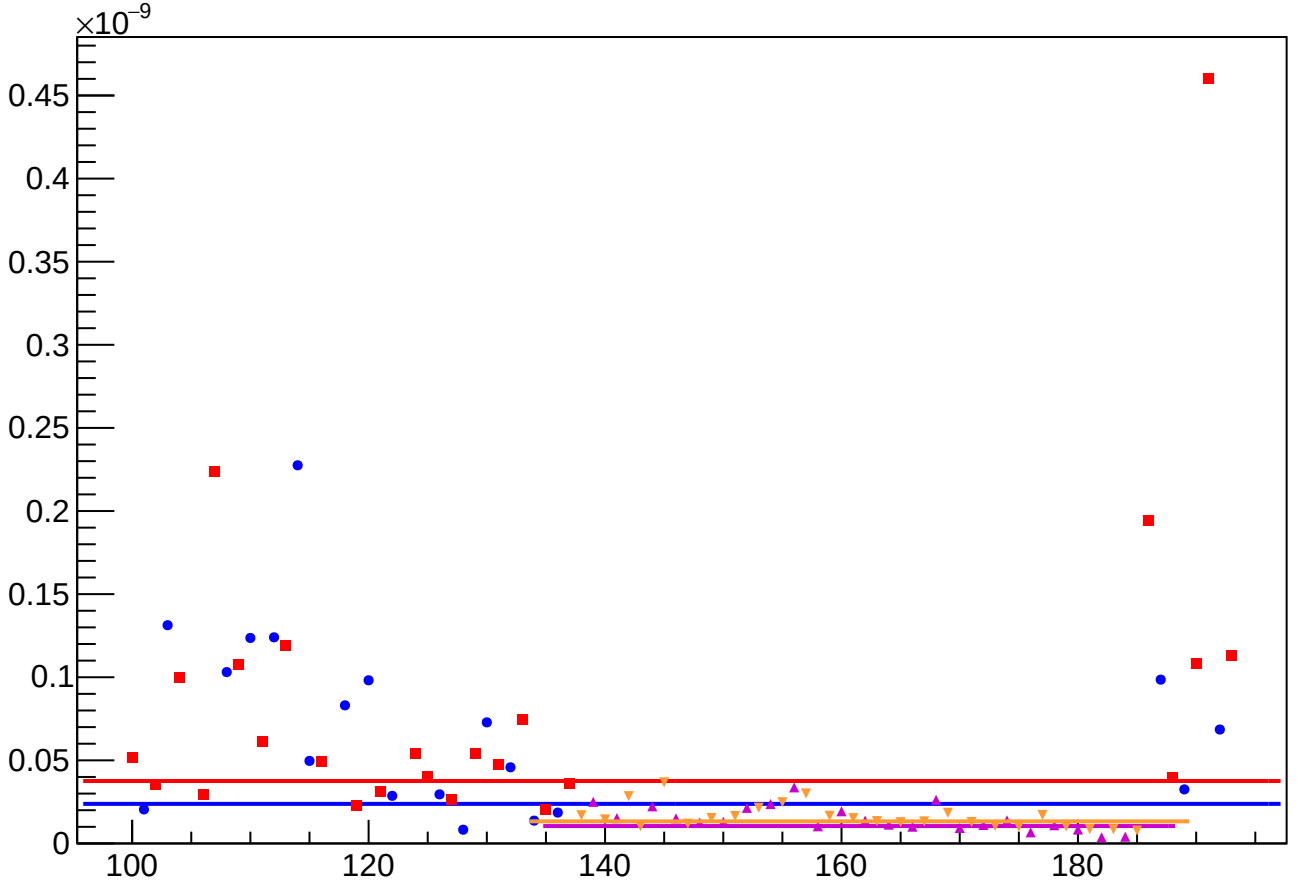
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.9/43

All: 0.000+/-0.000 χ^2/NDF: 94.4/90

- sign 0.000+/-0.000 χ^2/NDF: 45.7/46

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: 2040513.1/23

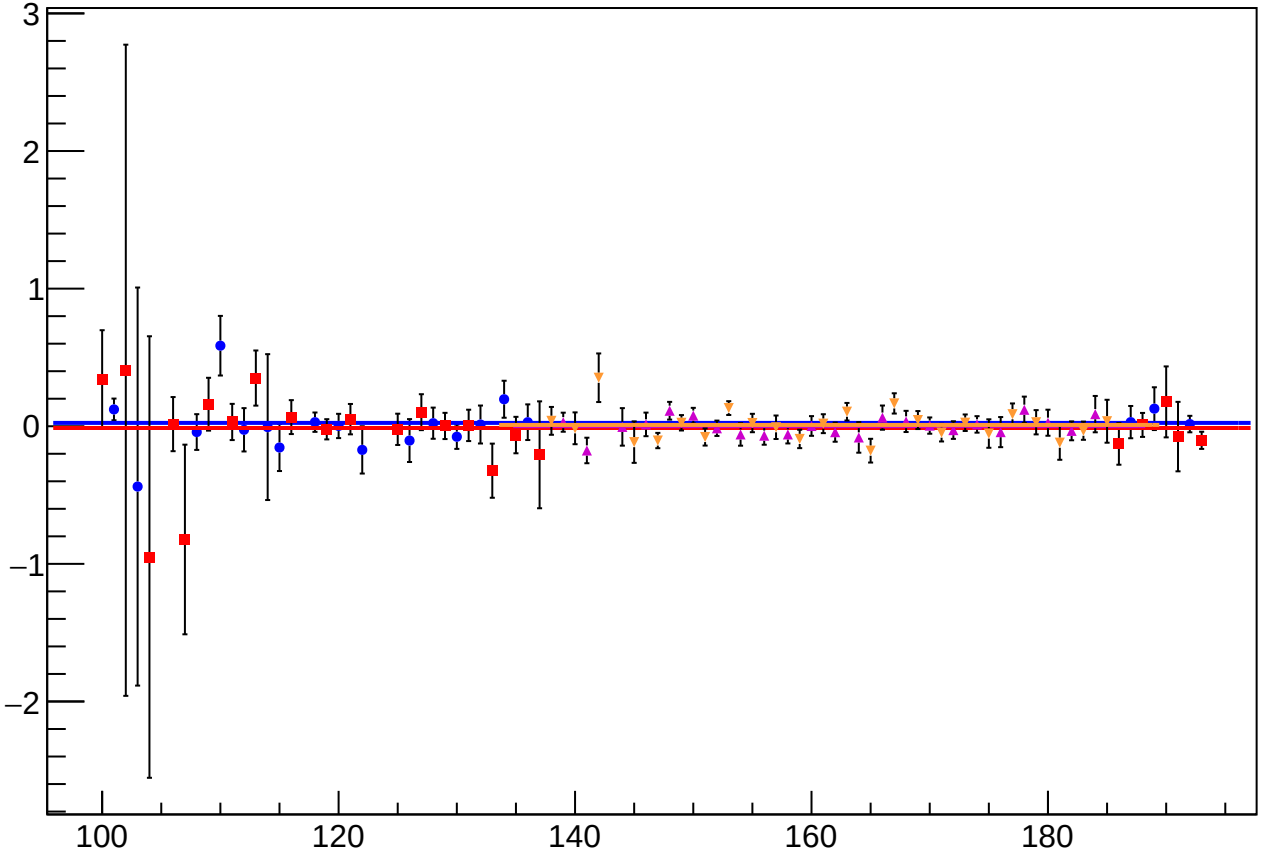
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5045850.4/43

All: 0.000+/-0.000 χ^2/NDF: 12972784.0/90

- sign 0.000+/-0.000 χ^2/NDF: 7634395.0/46

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: -0.013+/-0.027 χ^2/NDF: 14.8/22

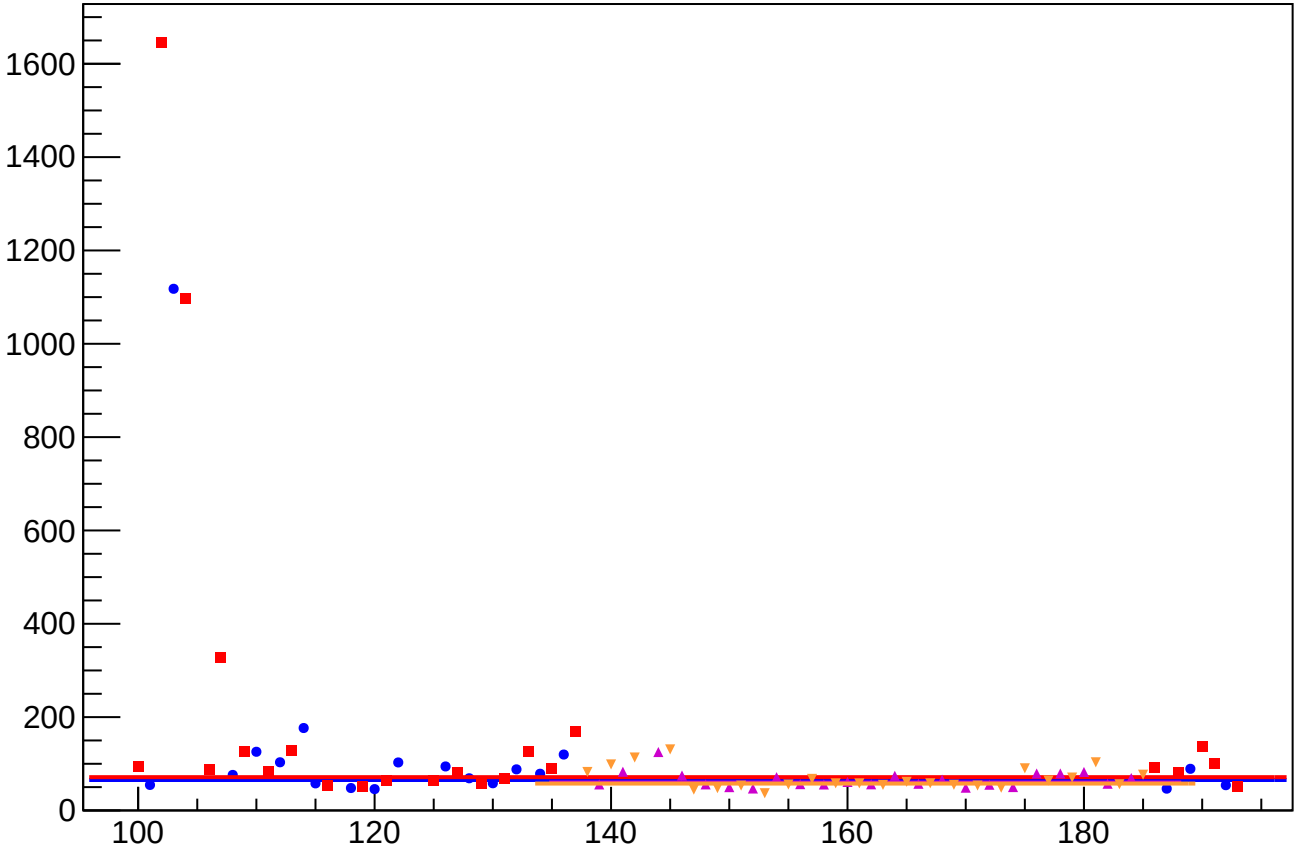
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/42

All: 0.006+/-0.009 χ^2/NDF: 81.5/88

- sign -0.003+/-0.013 χ^2/NDF: 30.5/45

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: 71.332+/-0.019 χ^2/NDF: 3356725.2/22

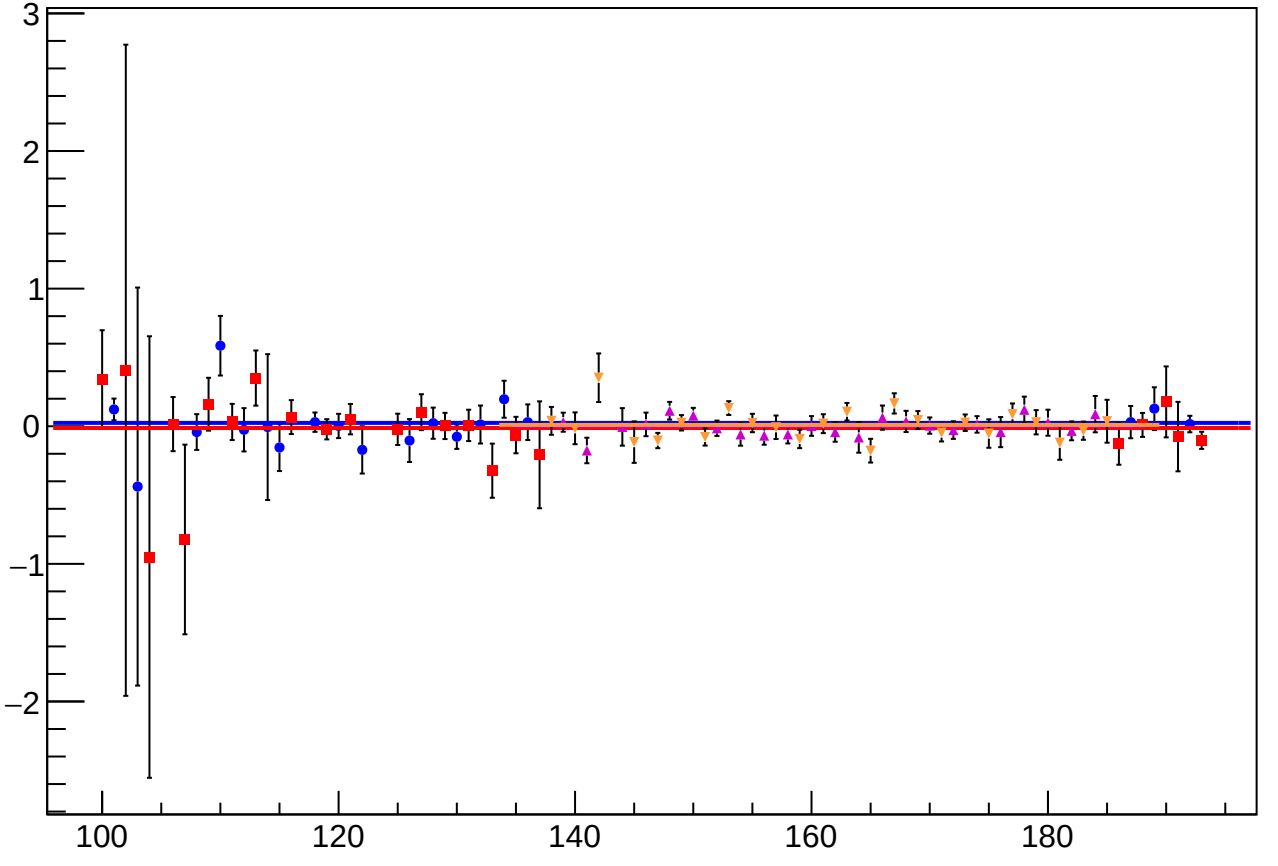
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.557+/-0.009 χ^2/NDF: 4810971.0/42

All: 61.056+/-0.007 χ^2/NDF: 9833670.8/88

- sign 62.652+/-0.010 χ^2/NDF: 4968154.6/45

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: -0.013+/-0.027 χ^2/NDF: 14.8/22

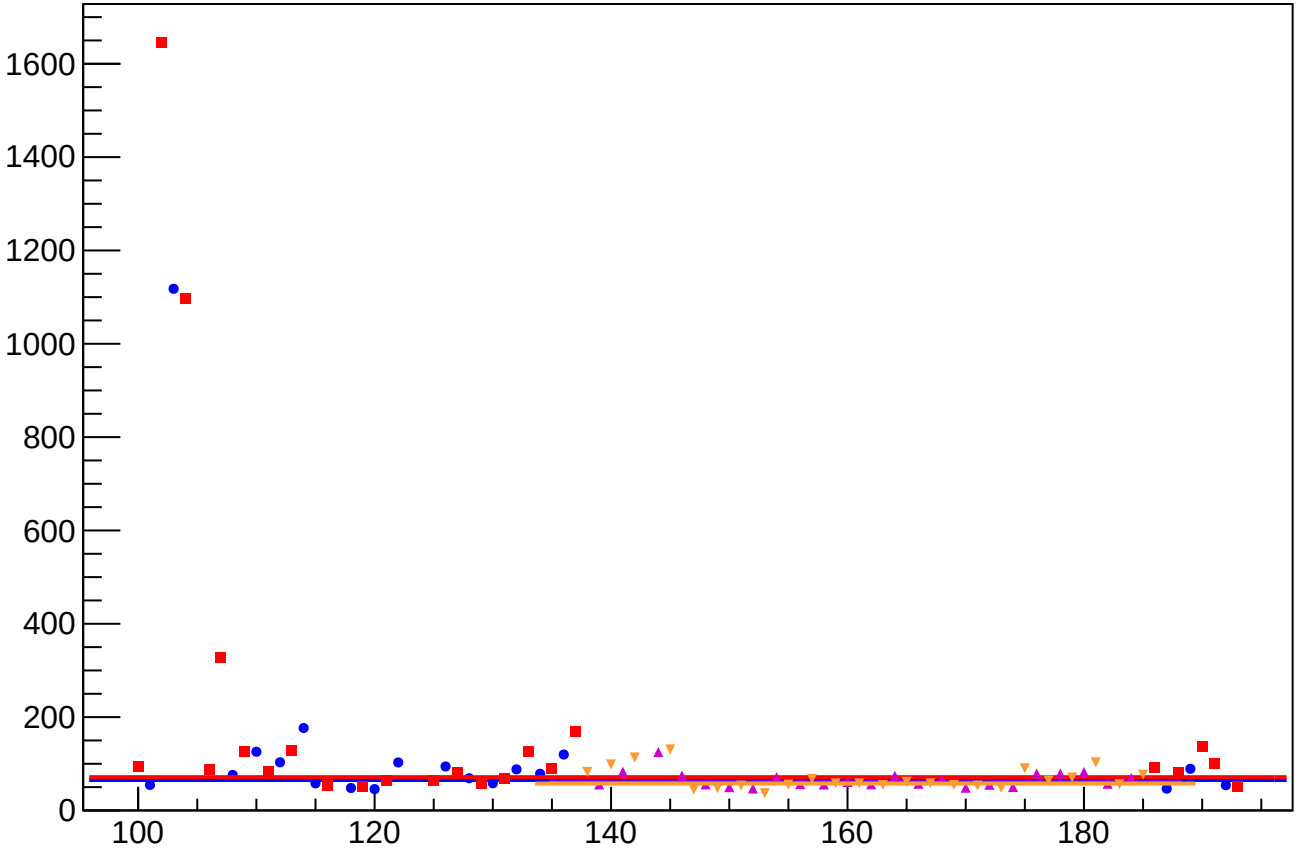
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/42

All: 0.006+/-0.009 χ^2/NDF: 81.5/88

- sign -0.003+/-0.013 χ^2/NDF: 30.5/45

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: 71.332+/-0.019 χ^2/NDF: 3356725.2/22

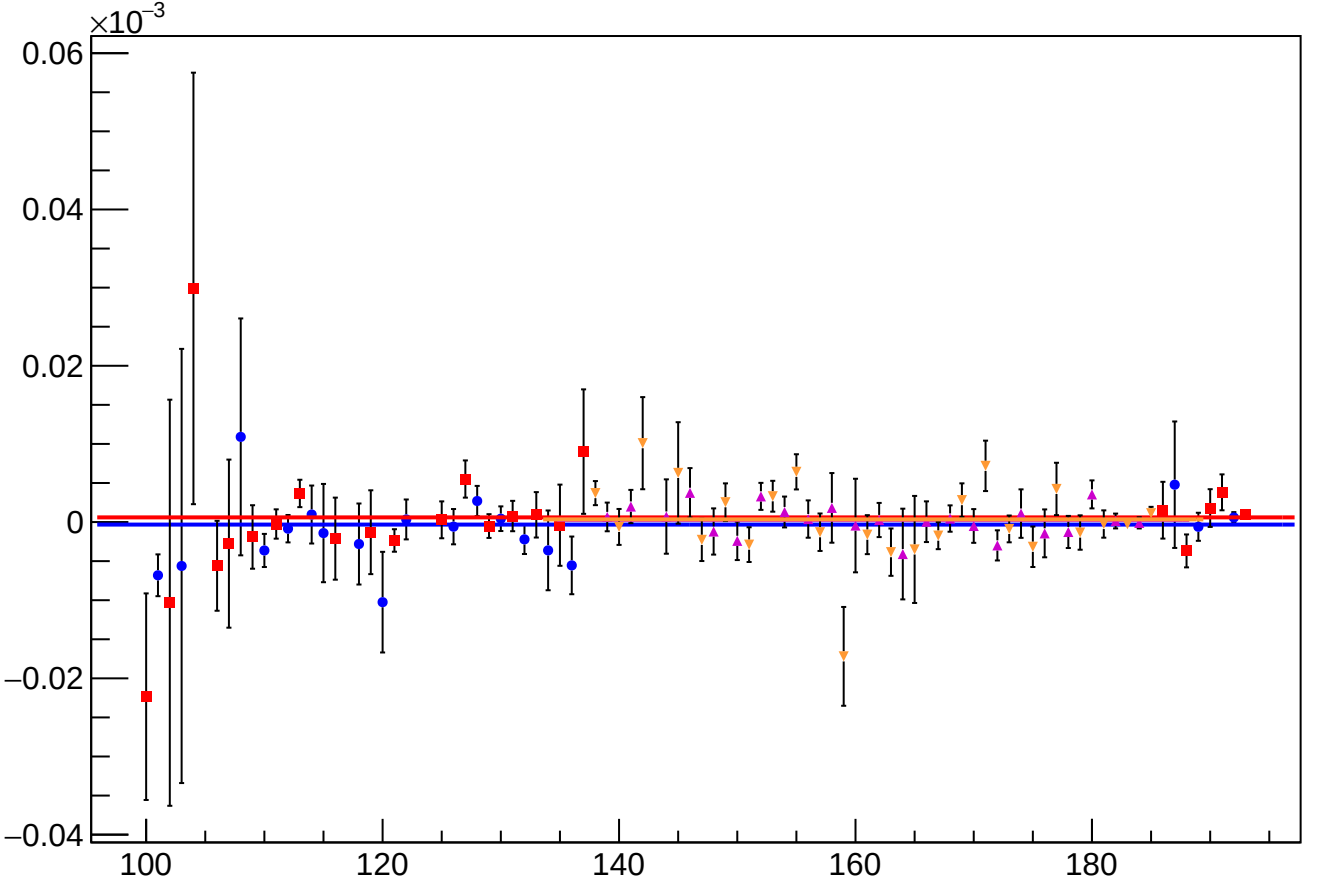
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.557+/-0.009 χ^2/NDF: 4810971.0/42

All: 61.056+/-0.007 χ^2/NDF: 9833670.8/88

- sign 62.652+/-0.010 χ^2/NDF: 4968154.6/45

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: 26.5/22

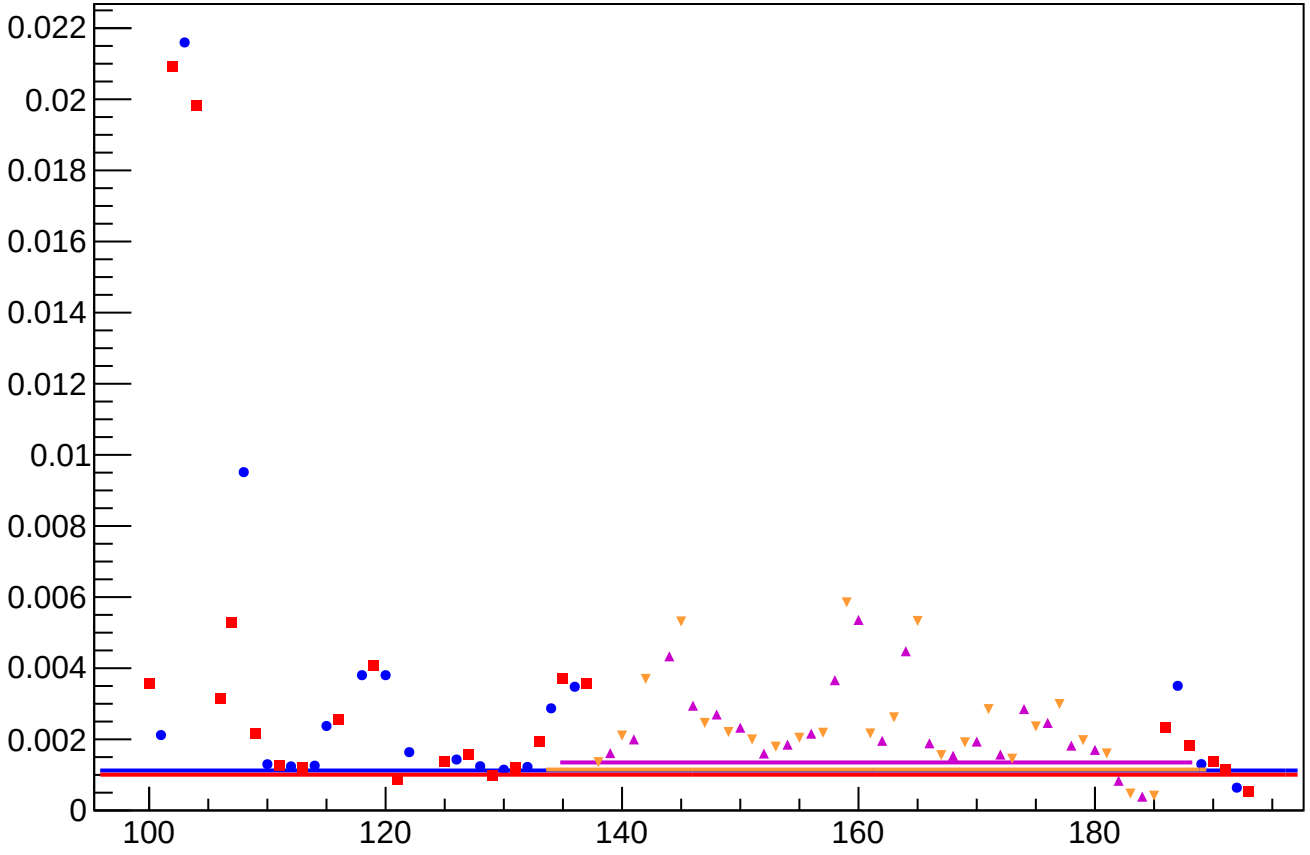
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.2/42

All: 0.000+/-0.000 χ^2/NDF: 110.6/88

- sign 0.000+/-0.000 χ^2/NDF: 41.7/45

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: 6871613.1/22

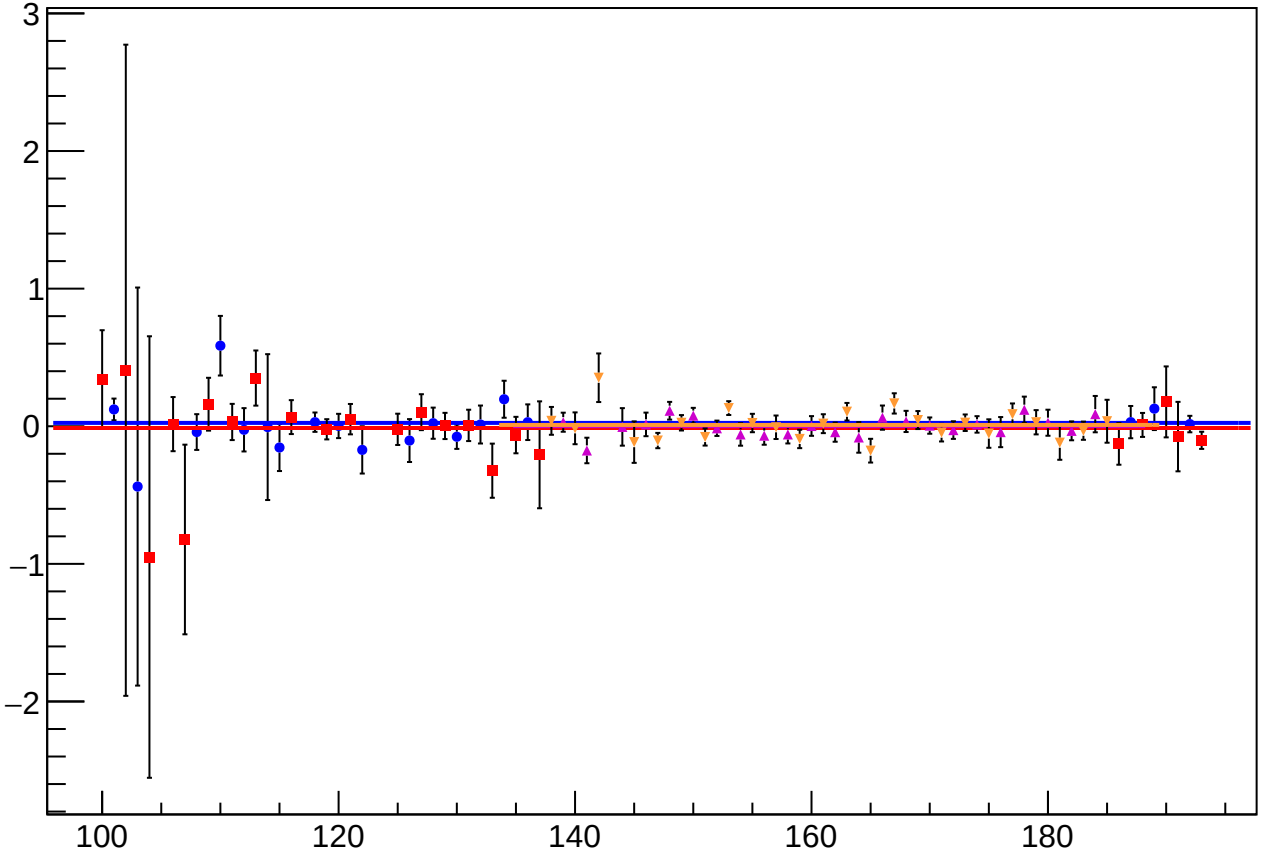
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 18575461.6/42

All: 0.001+/-0.000 χ^2/NDF: 36479025.8/88

- sign 0.001+/-0.000 χ^2/NDF: 17871367.5/45

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: -0.013+/-0.027 χ^2/NDF: 14.8/22

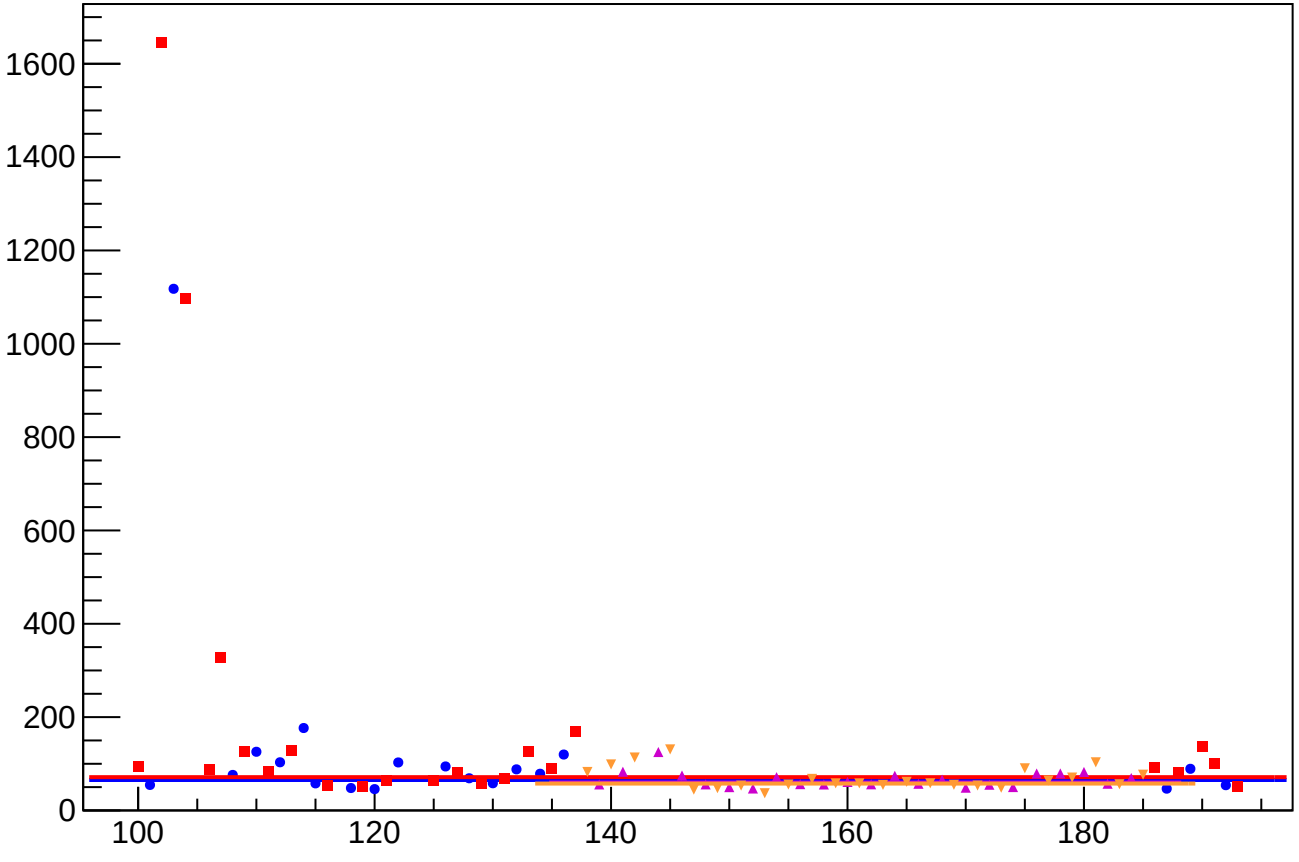
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/42

All: 0.006+/-0.009 χ^2/NDF: 81.5/88

- sign -0.003+/-0.013 χ^2/NDF: 30.5/45

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: 71.332+/-0.019 χ^2/NDF: 3356731.9/22

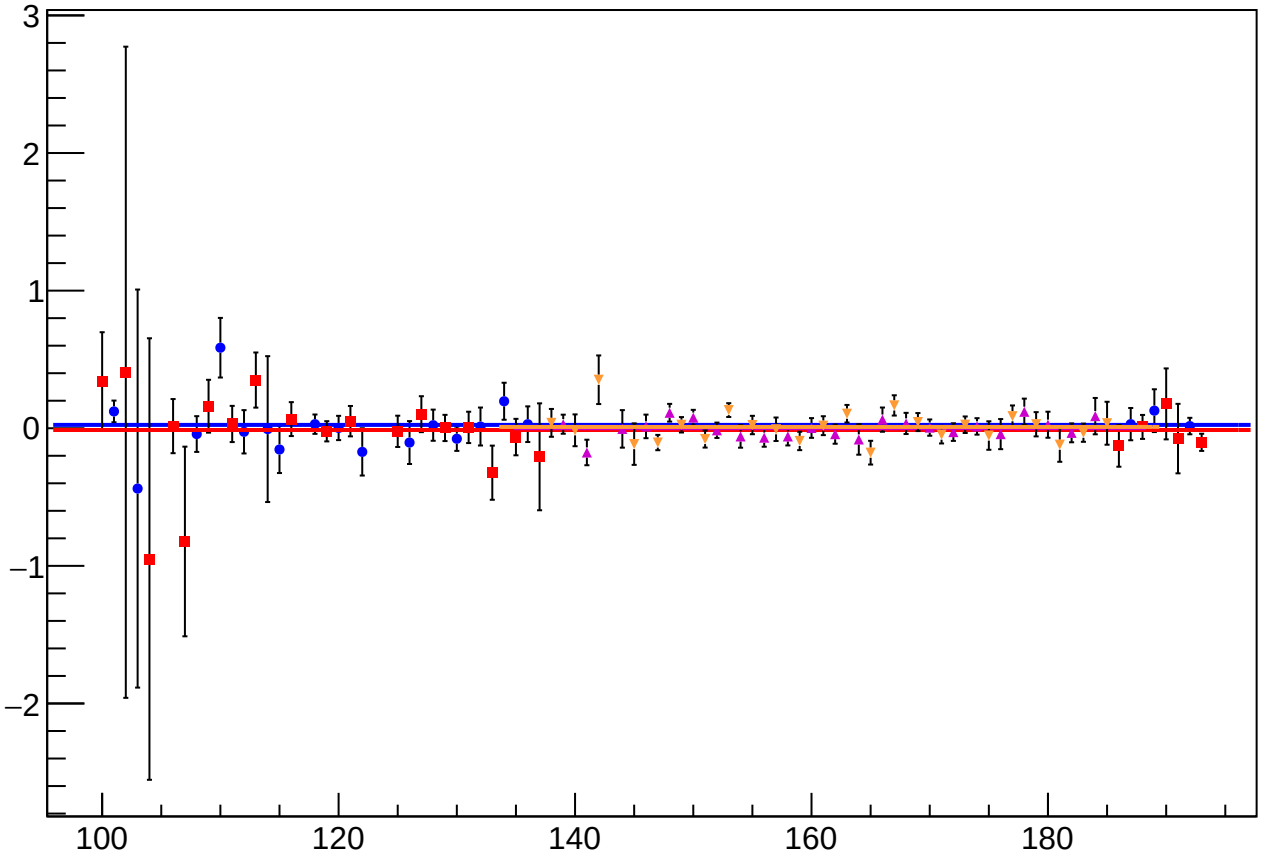
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.556+/-0.009 χ^2/NDF: 4811103.1/42

All: 61.056+/-0.007 χ^2/NDF: 9833777.1/88

- sign 62.652+/-0.010 χ^2/NDF: 4968119.9/45

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

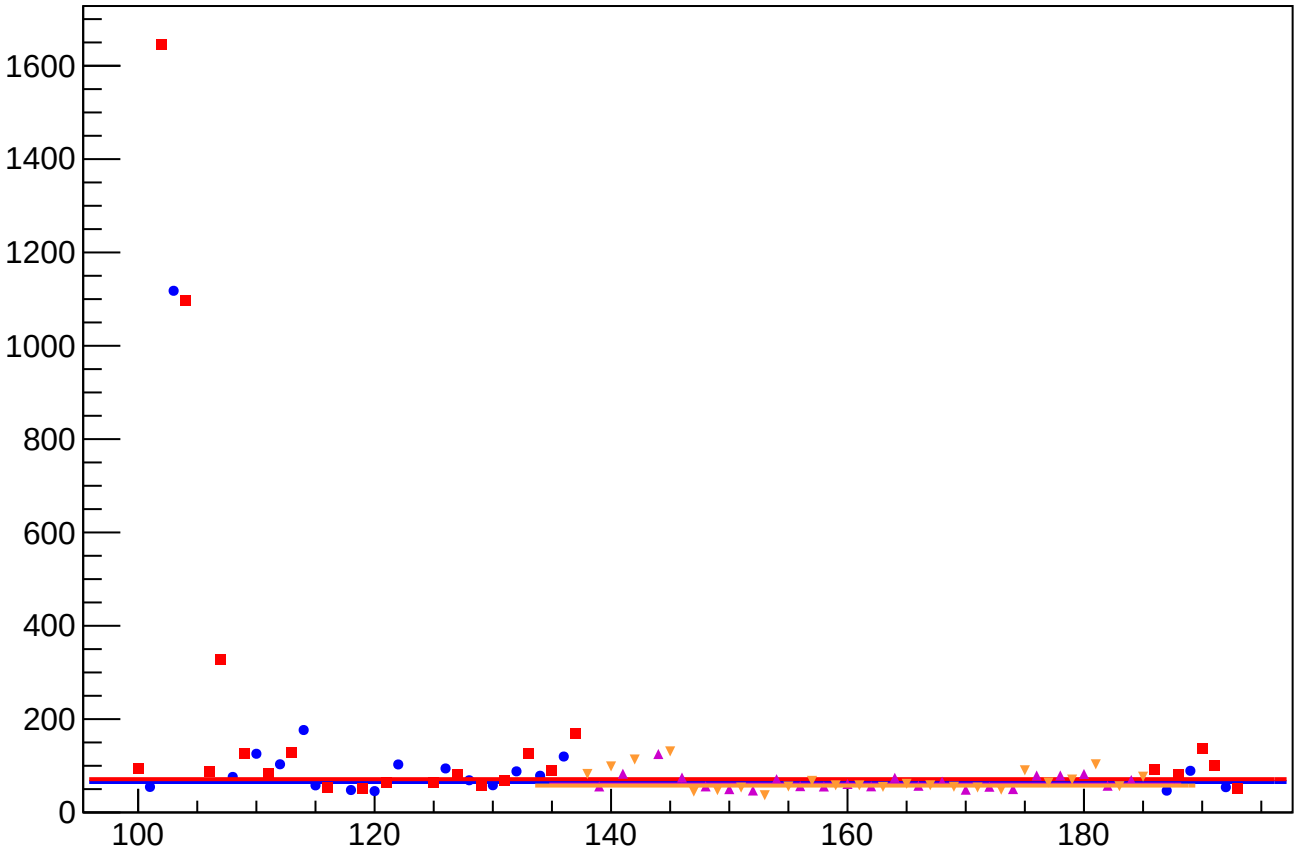
Right Out: -0.013+/-0.027 χ^2/NDF: 14.8/22

Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/42

All: 0.006+/-0.009 χ^2/NDF: 81.5/88

- sign -0.003+/-0.013 χ^2/NDF: 30.5/45



Right In: 65.279+/-0.018 χ^2/NDF: 2466746.8/18

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 71.332+/-0.019 χ^2/NDF: 3356731.9/22

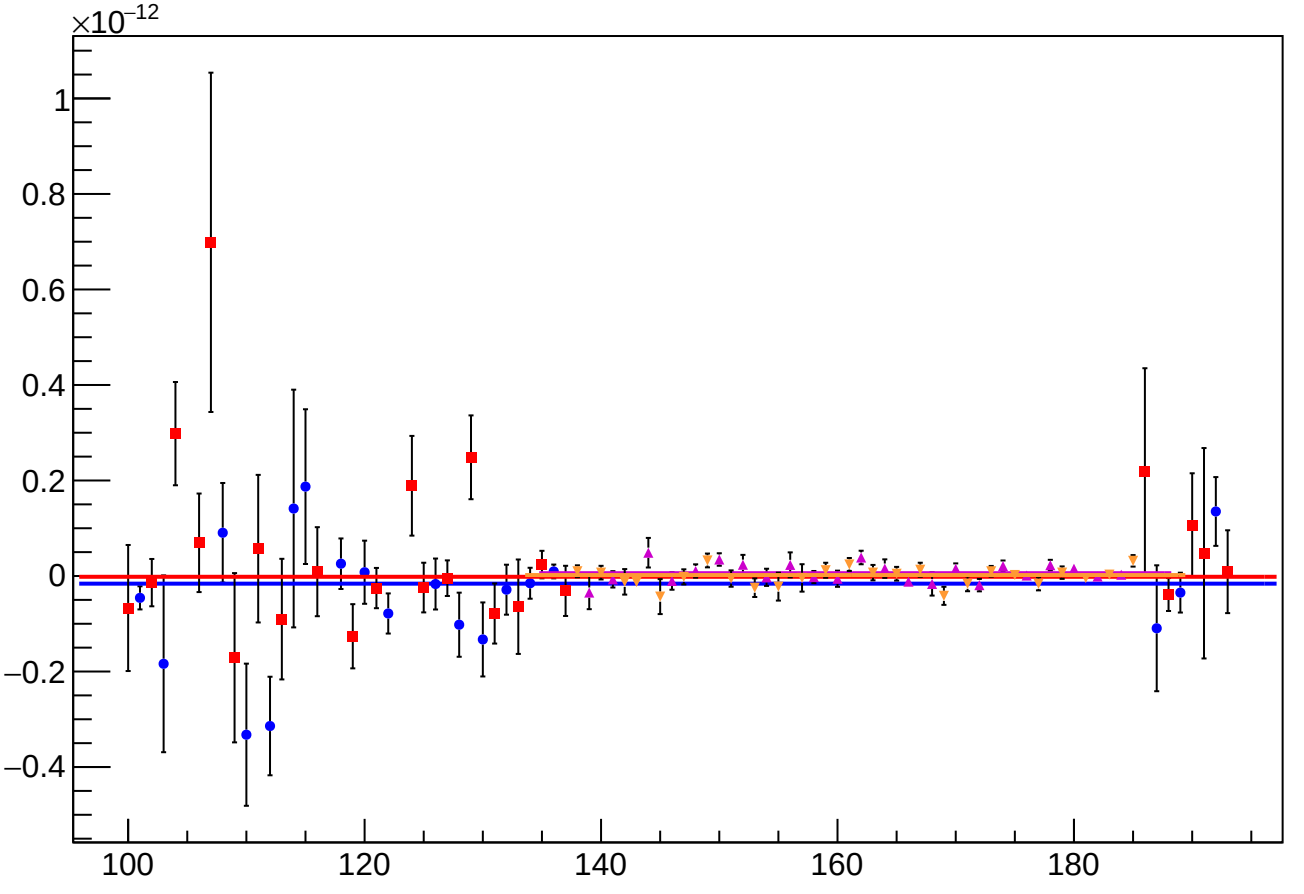
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.556+/-0.009 χ^2/NDF: 4811103.1/42

All: 61.056+/-0.007 χ^2/NDF: 9833777.1/88

- sign 62.652+/-0.010 χ^2/NDF: 4968119.9/45

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

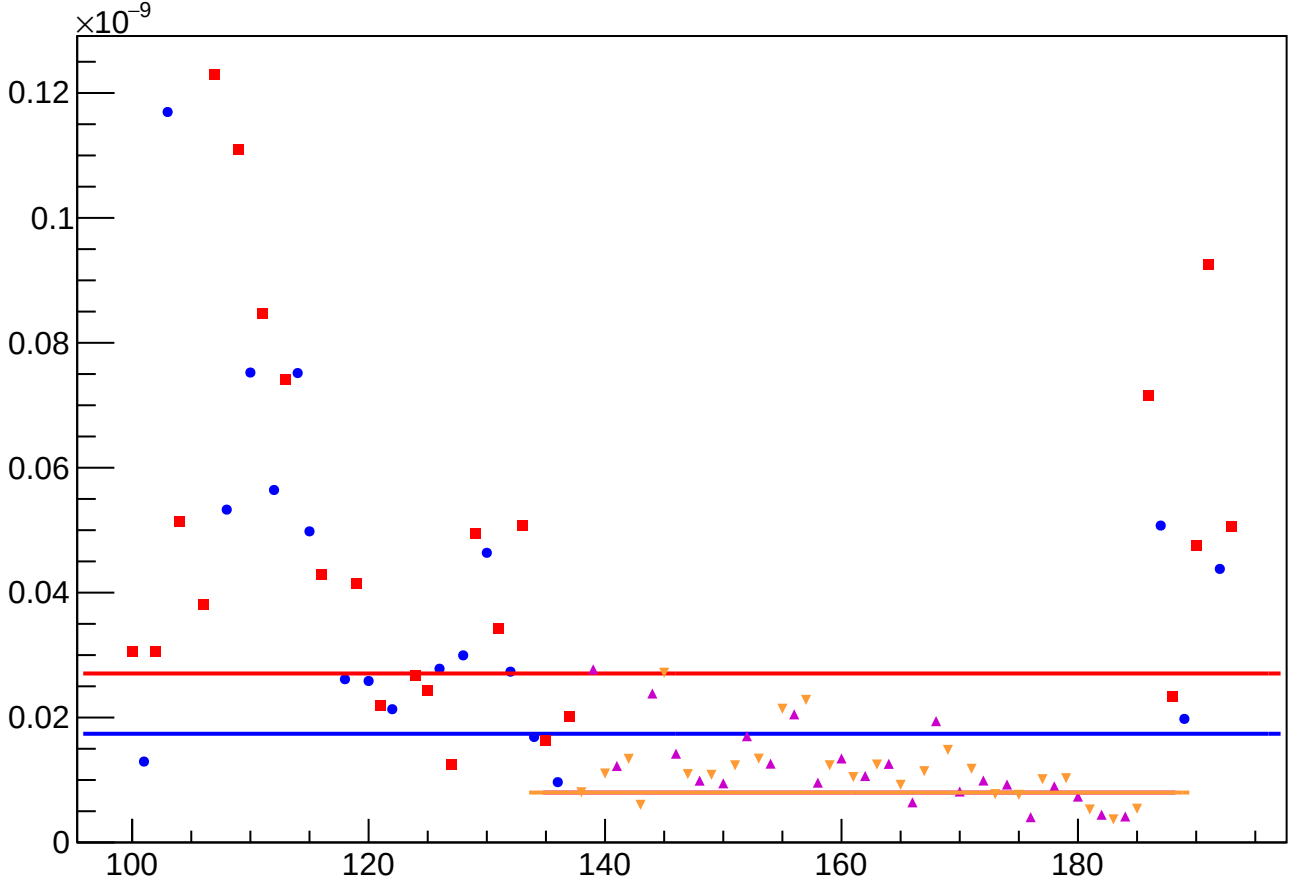
Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/23

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: 139.0/90

- sign 0.000+/-0.000 χ^2/NDF: 68.5/46



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: 2857894.3/23

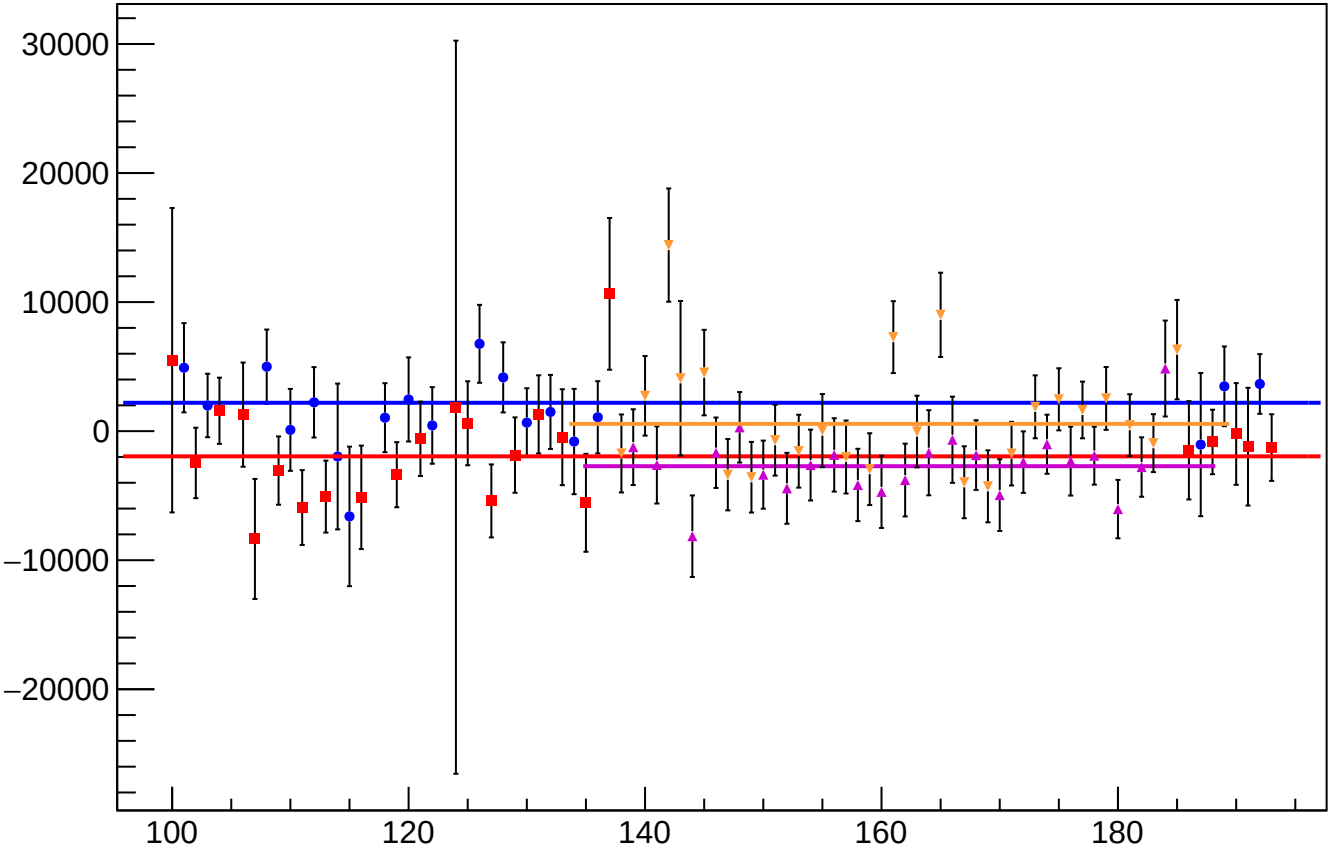
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9931169.5/43

All: 0.000+/-0.000 χ^2/NDF: 22192992.0/90

- sign 0.000+/-0.000 χ^2/NDF: 12258889.5/46

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: -1953.609+/-668.083 χ^2/NDF: 18.8/23

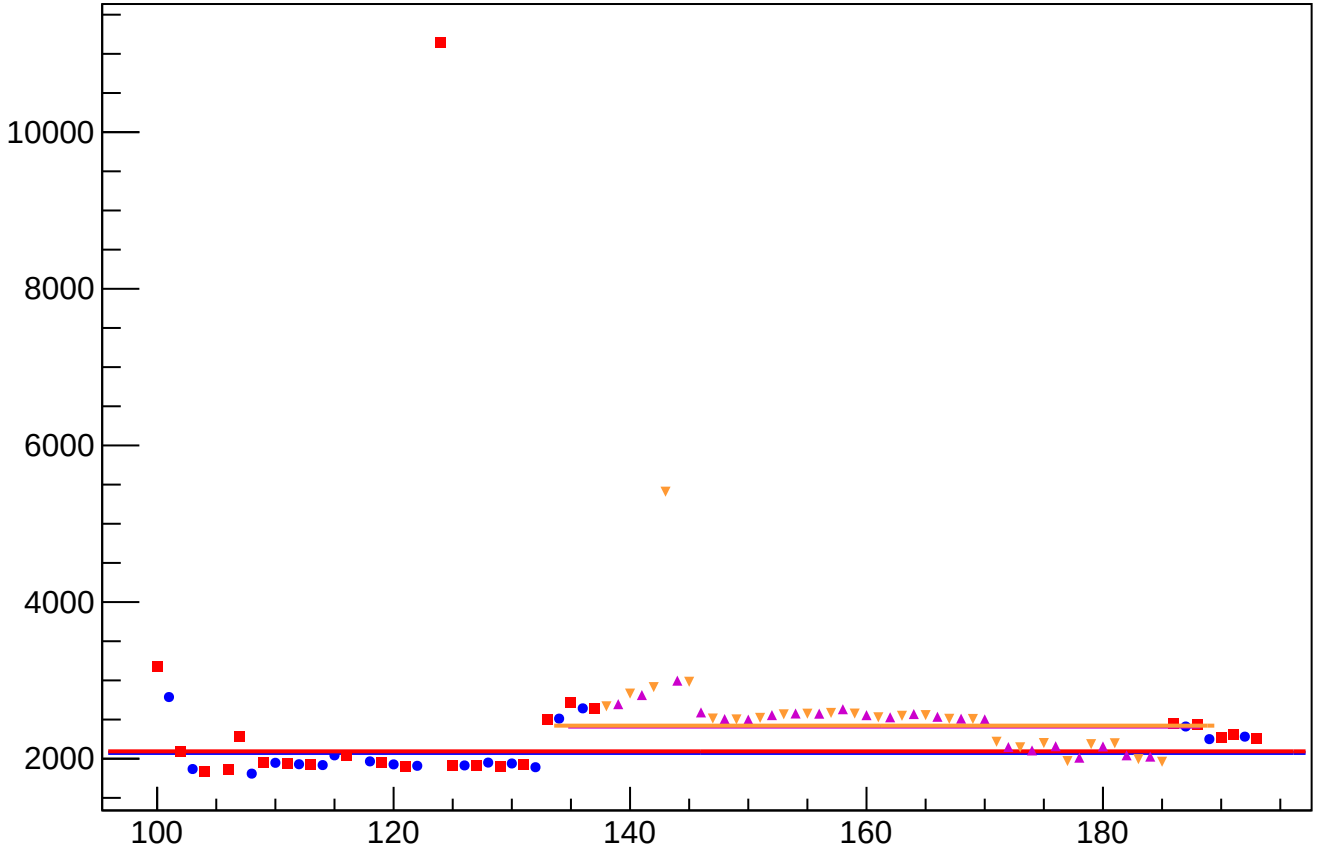
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1195.929+/-436.229 χ^2/NDF: 57.8/43

All: -618.484+/-306.934 χ^2/NDF: 125.9/90

- sign -2397.425+/-431.944 χ^2/NDF: 33.8/46

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: 2094.075+/-0.472 χ^2/NDF: 481660.5/23

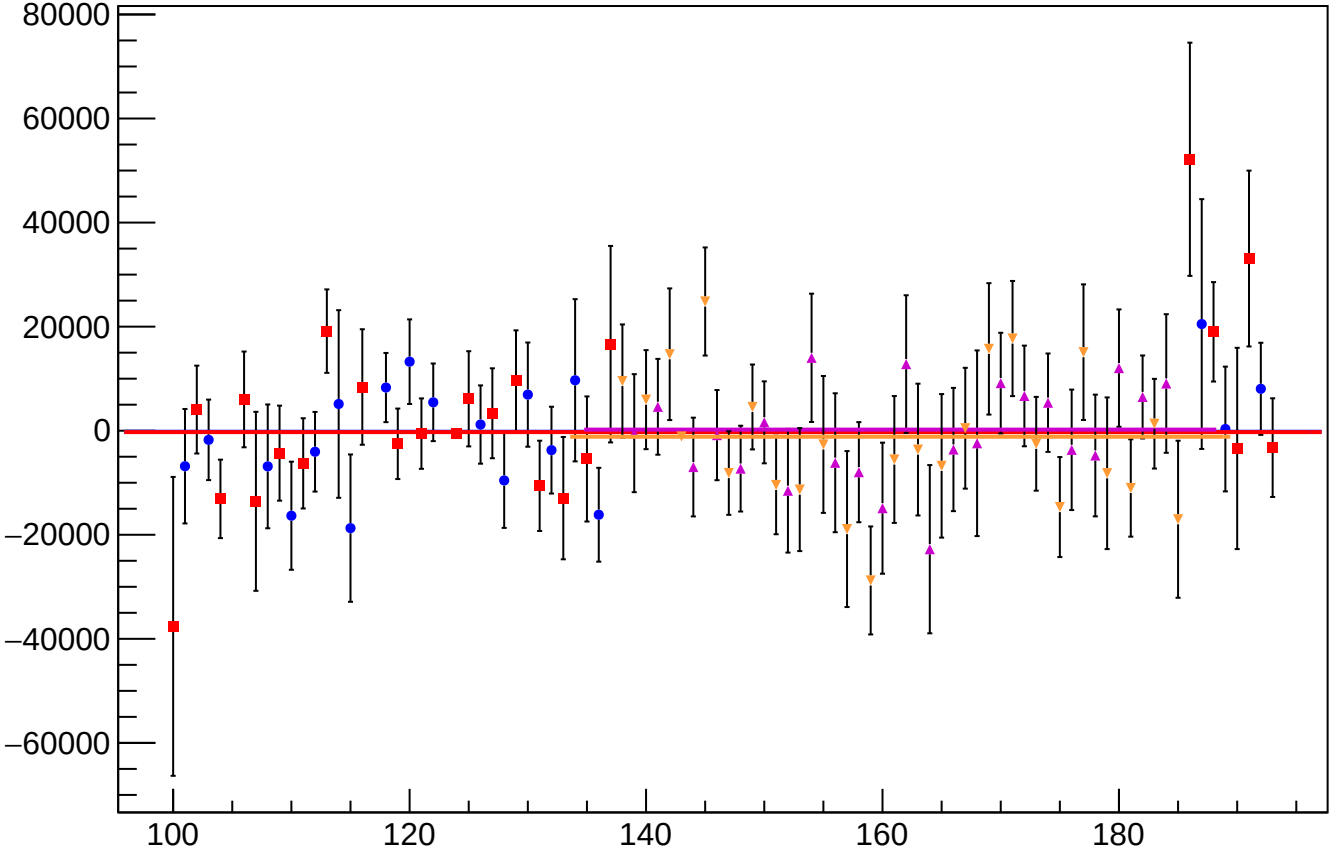
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.295+/-0.308 χ^2/NDF: 1553577.4/43

All: 2282.518+/-0.217 χ^2/NDF: 2724064.5/90

- sign 2277.833+/-0.305 χ^2/NDF: 1170012.0/46

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: -266.717+/-761.518 χ^2/NDF: 32.1/23

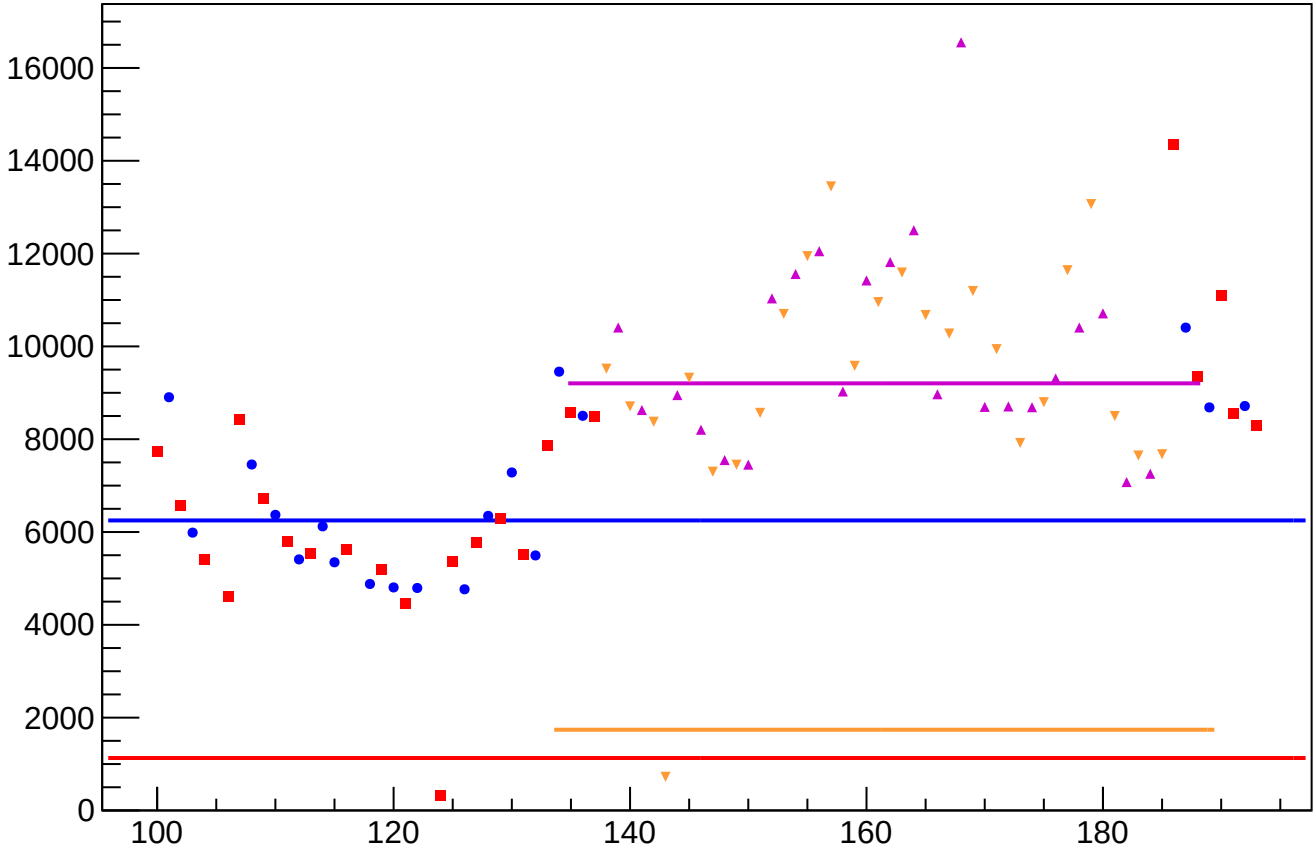
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1053.141+/-715.116 χ^2/NDF: 49.2/43

All: -636.873+/-507.190 χ^2/NDF: 95.4/90

- sign -215.542+/-719.452 χ^2/NDF: 45.6/46

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: 1130.134+/-0.538 χ^2/NDF: 15724910.2/23

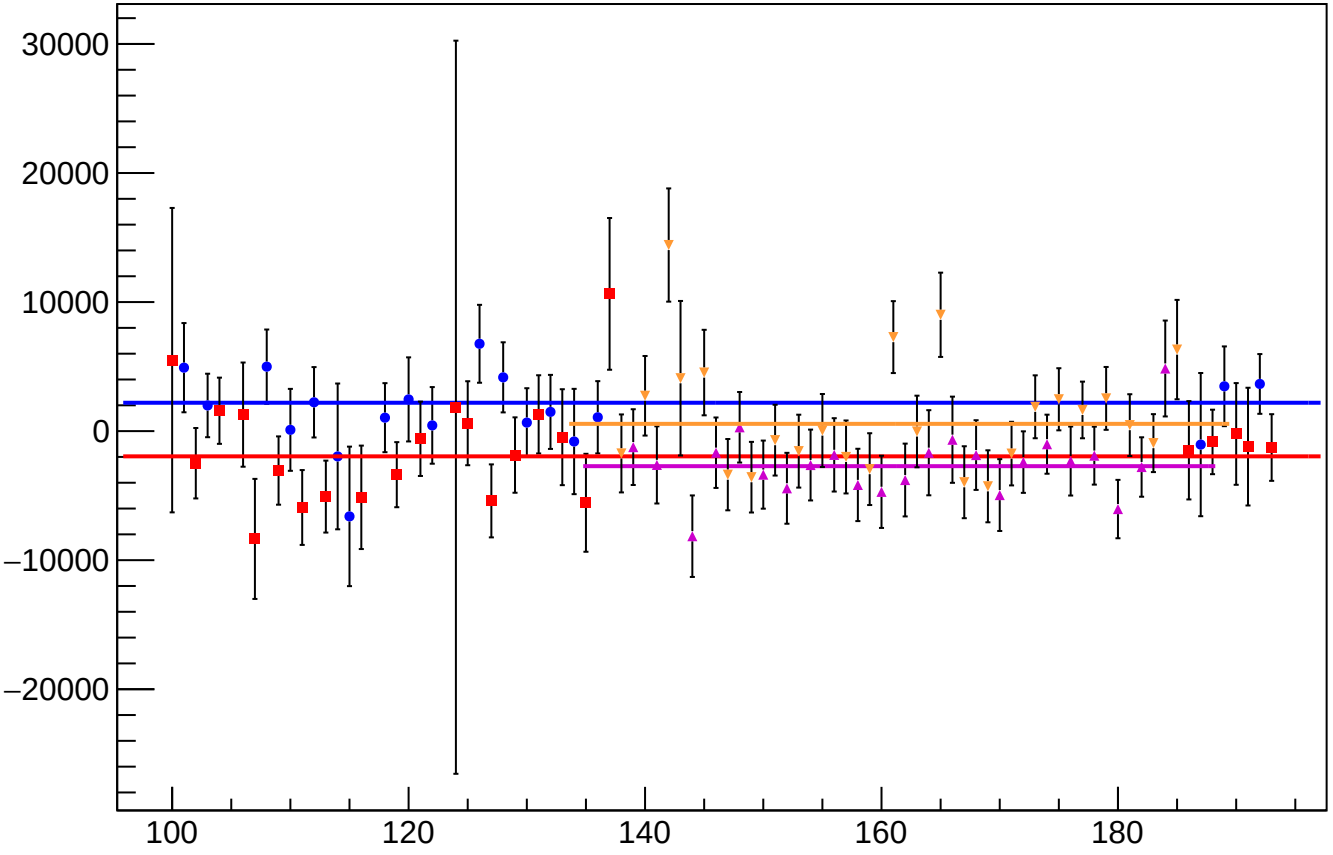
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2233.400+/-0.506 χ^2/NDF: 36507713.6/43

All: 2116.141+/-0.359 χ^2/NDF: 77762988.1/9

- sign 1997.456+/-0.509 χ^2/NDF: 41147073.2/46

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: -1955.015+/-668.089 χ^2/NDF: 18.8/23

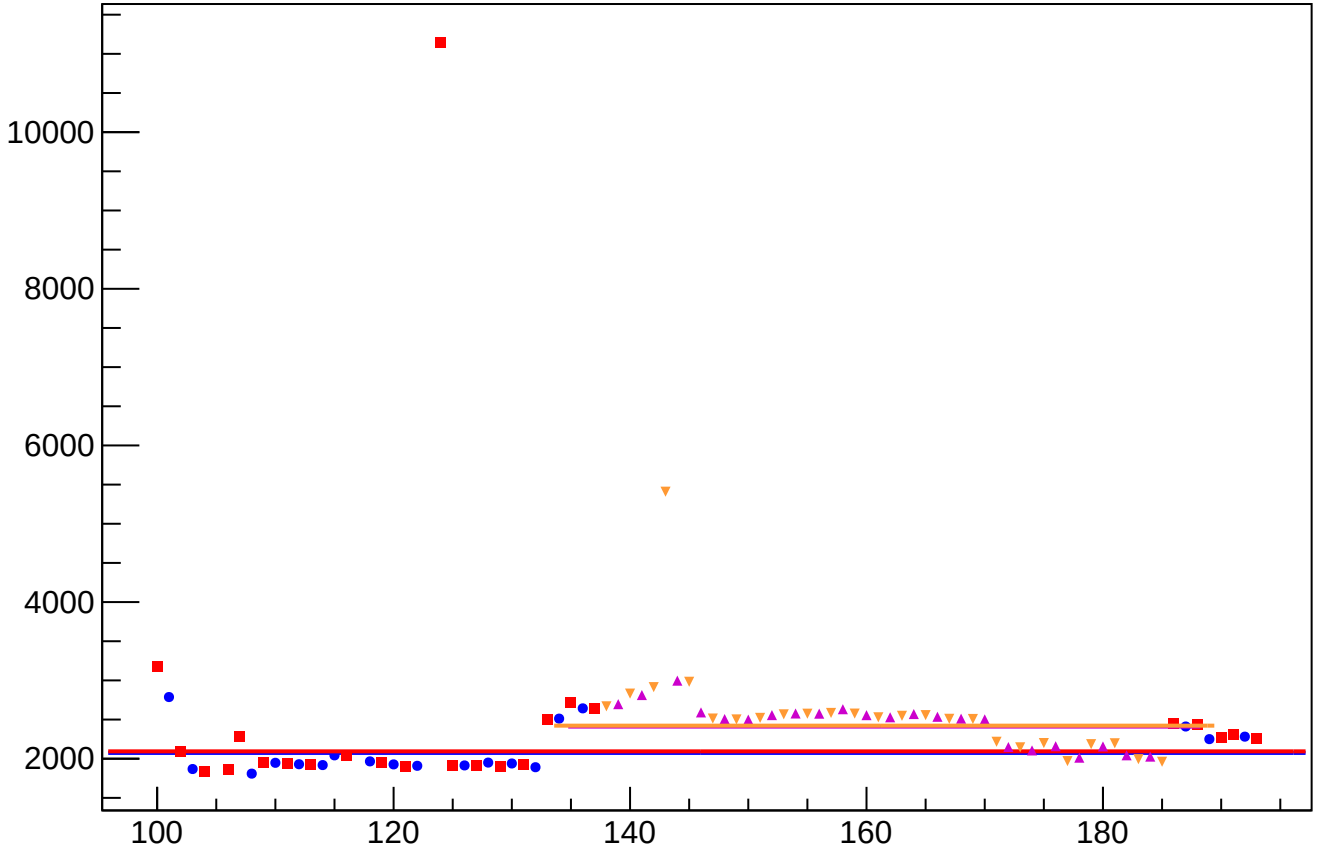
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1195.976+/-436.229 χ^2/NDF: 57.8/43

All: -618.742+/-306.935 χ^2/NDF: 125.9/90

- sign -2397.994+/-431.945 χ^2/NDF: 33.8/46

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: 2094.093+/-0.472 χ^2/NDF: 481660.9/23

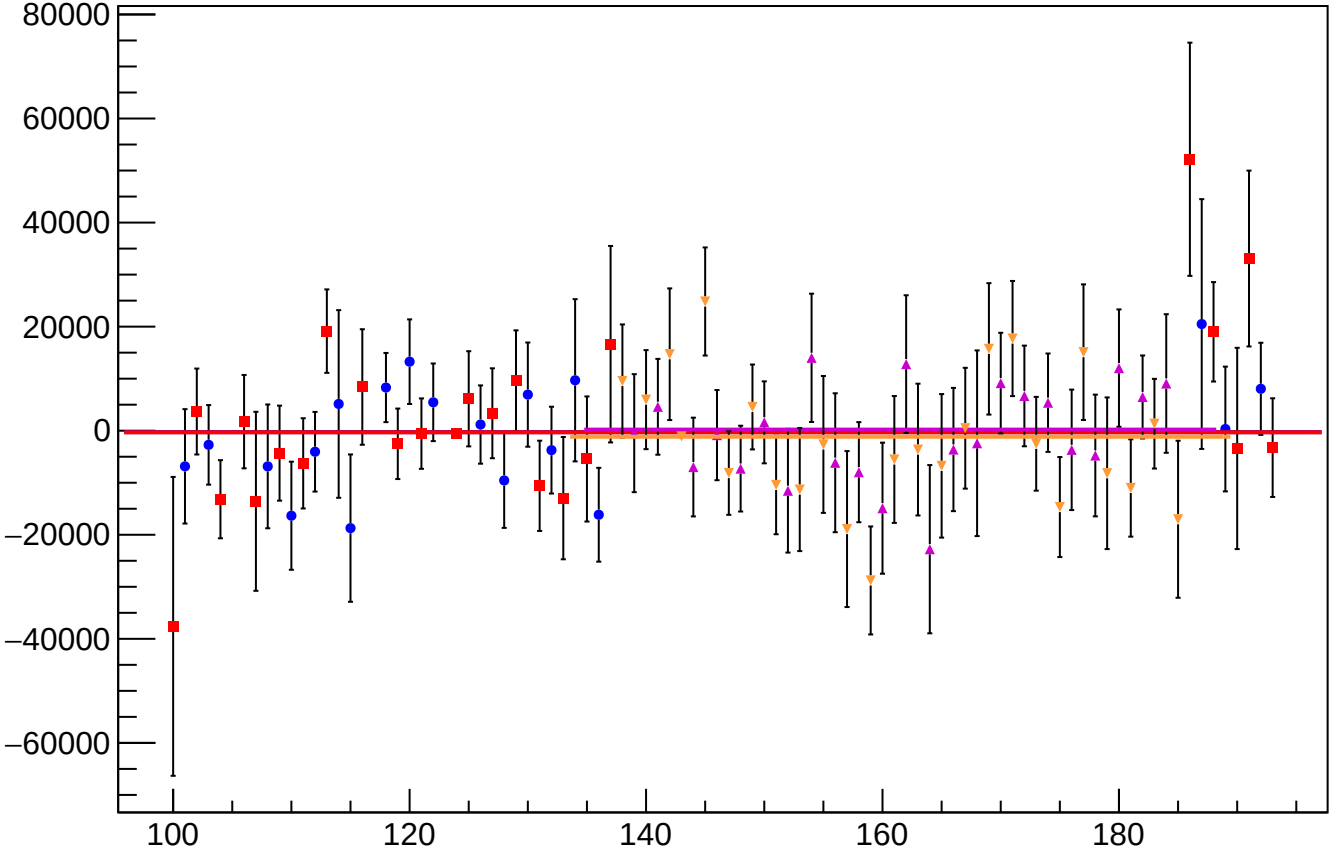
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.295+/-0.308 χ^2/NDF: 1553577.5/43

All: 2282.522+/-0.217 χ^2/NDF: 2724032.2/90

- sign 2277.842+/-0.305 χ^2/NDF: 1169980.5/46

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: -299.643+/-761.187 χ^2/NDF: 31.7/23

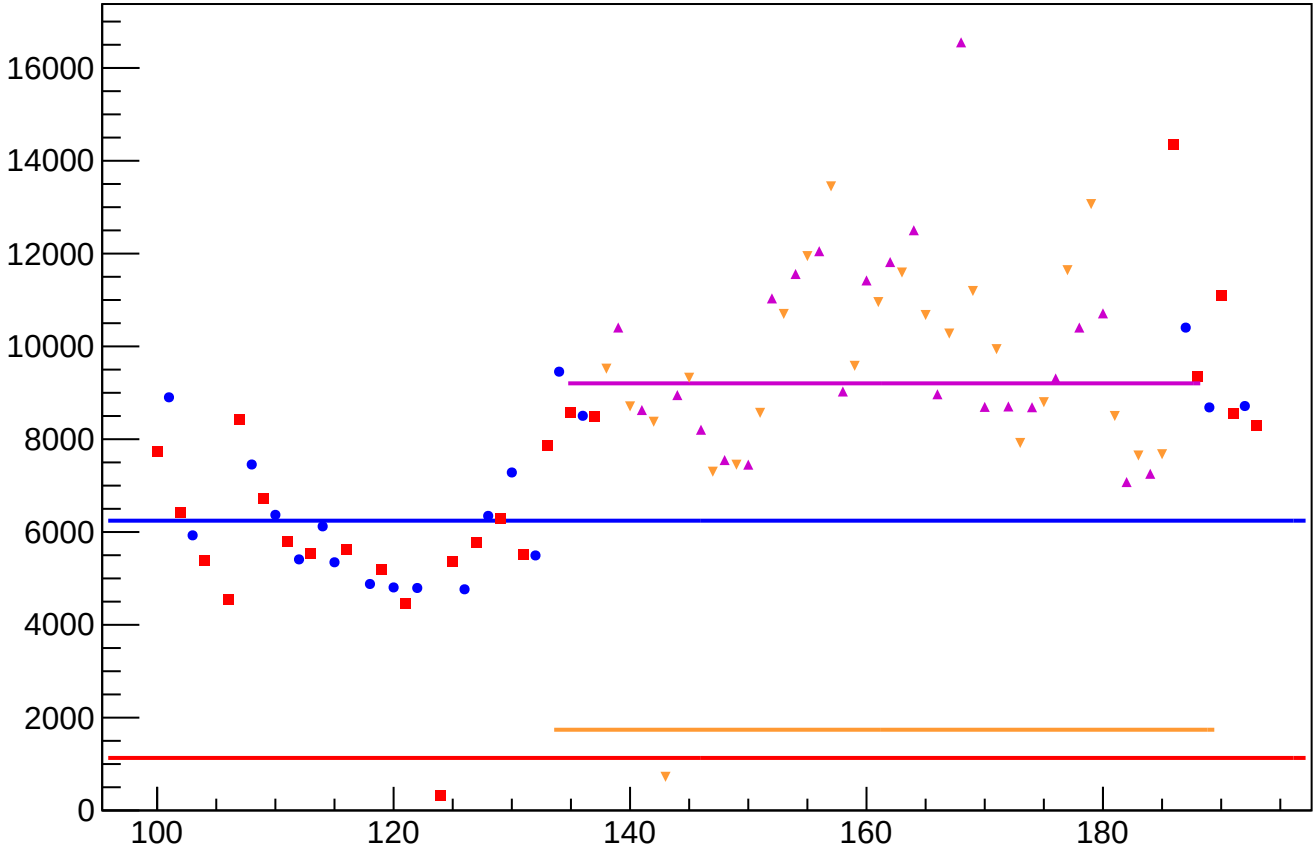
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1061.548+/-714.989 χ^2/NDF: 49.2/43

All: -655.651+/-507.046 χ^2/NDF: 95.0/90

- sign -244.990+/-719.173 χ^2/NDF: 45.2/46

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: 1131.705+/-0.538 χ^2/NDF: 15719408.3/23

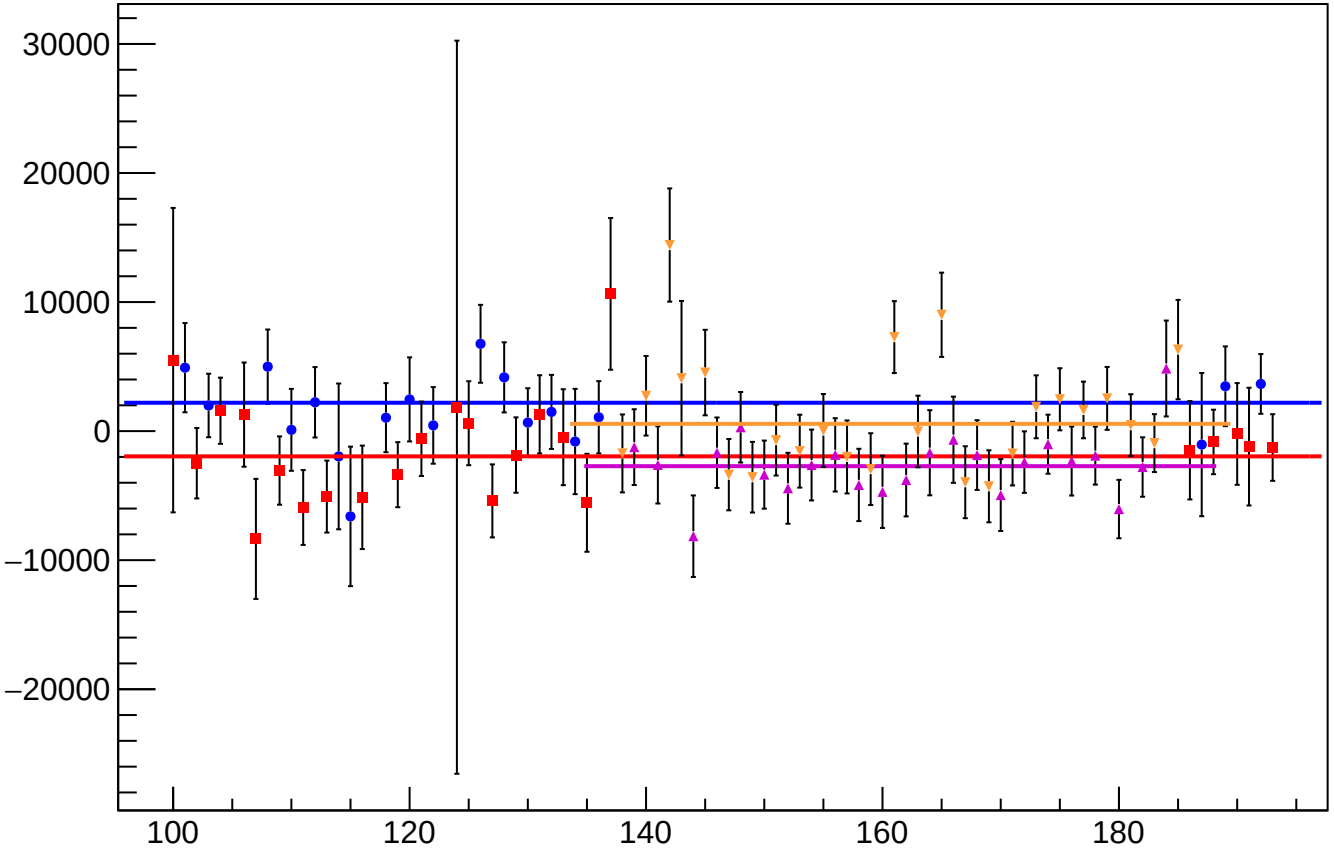
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2233.366+/-0.506 χ^2/NDF: 36505797.3/43

All: 2116.463+/-0.359 χ^2/NDF: 77747771.4/9

- sign 1998.187+/-0.509 χ^2/NDF: 41134412.3/46

eigen_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: -1955.015+/-668.089 χ^2/NDF: 18.8/23

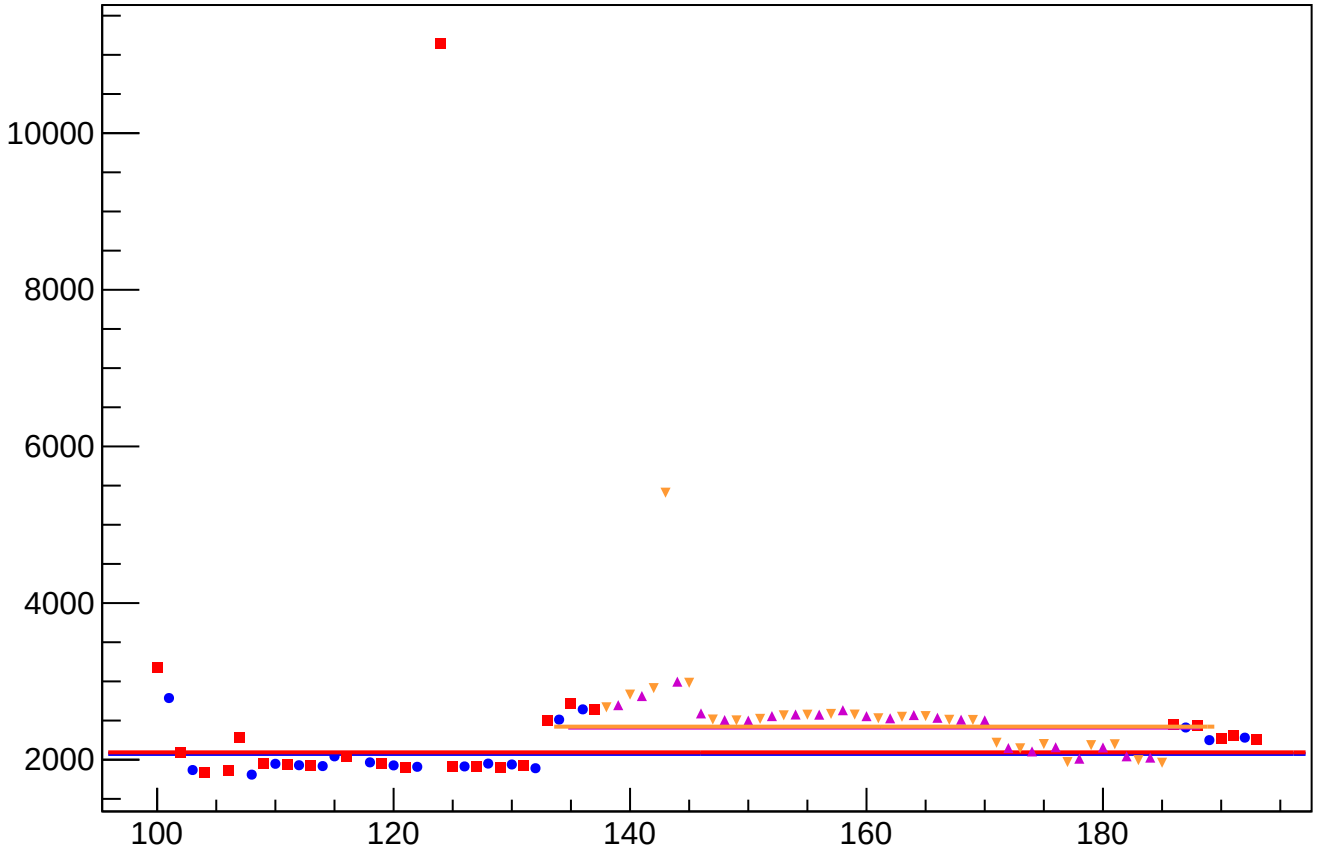
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1195.976+/-436.229 χ^2/NDF: 57.8/43

All: -618.742+/-306.935 χ^2/NDF: 125.9/90

- sign -2397.994+/-431.945 χ^2/NDF: 33.8/46

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: 2094.093+/-0.472 χ^2/NDF: 481660.9/23

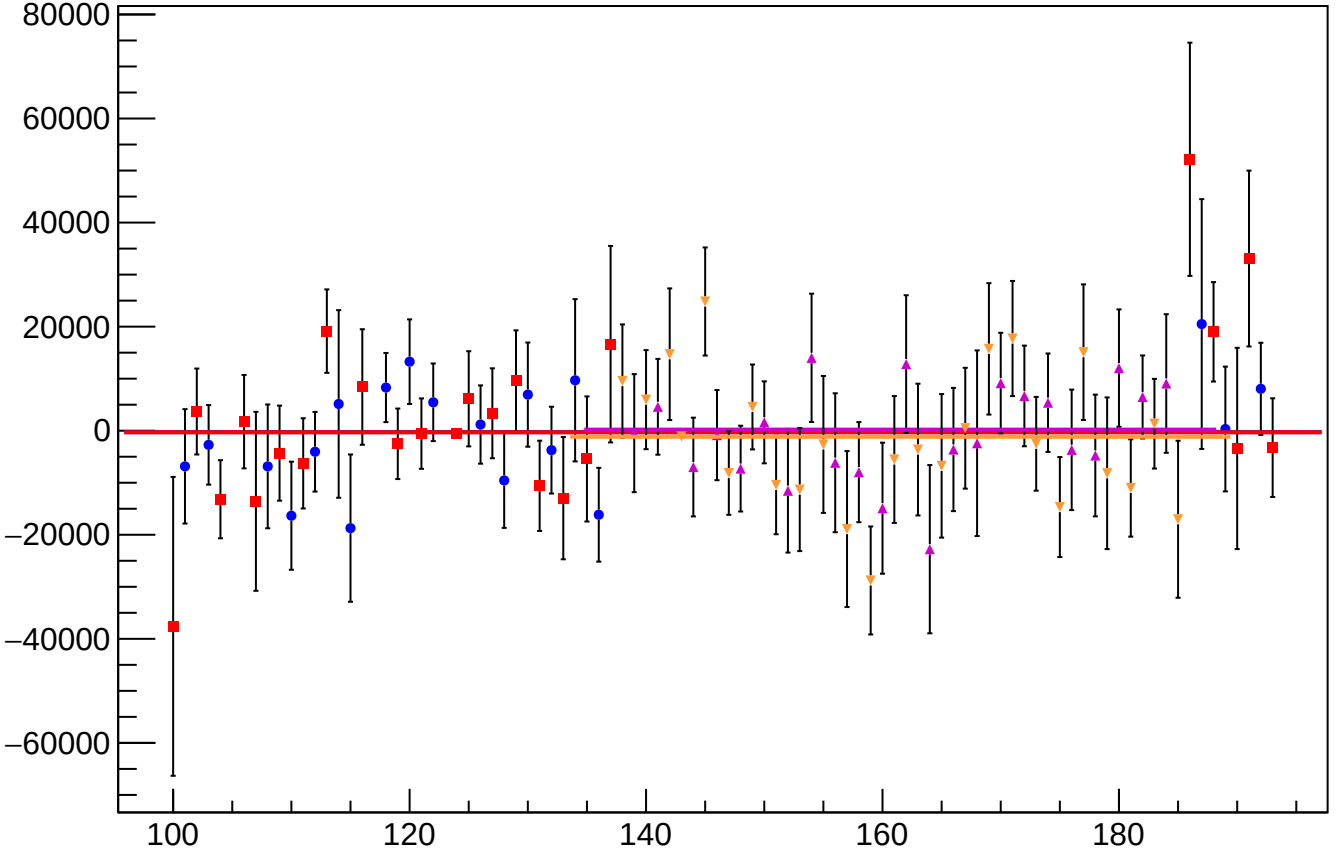
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.295+/-0.308 χ^2/NDF: 1553577.5/43

All: 2282.522+/-0.217 χ^2/NDF: 2724032.2/90

- sign 2277.842+/-0.305 χ^2/NDF: 1169980.5/46

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: -299.643+/-761.187 χ^2/NDF: 31.7/23

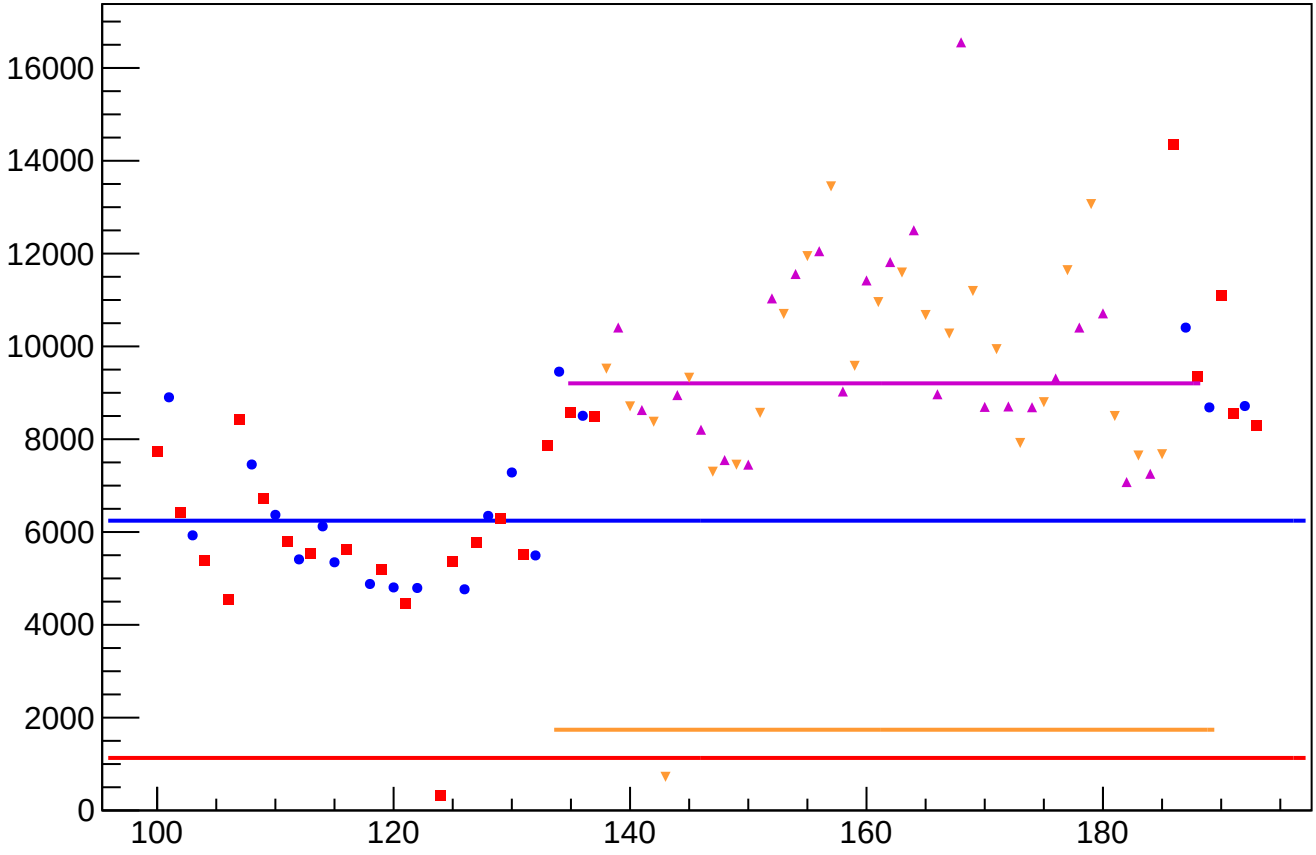
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1061.548+/-714.989 χ^2/NDF: 49.2/43

All: -655.651+/-507.046 χ^2/NDF: 95.0/90

- sign -244.990+/-719.173 χ^2/NDF: 45.2/46

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: 1131.705+/-0.538 χ^2/NDF: 15719408.3/23

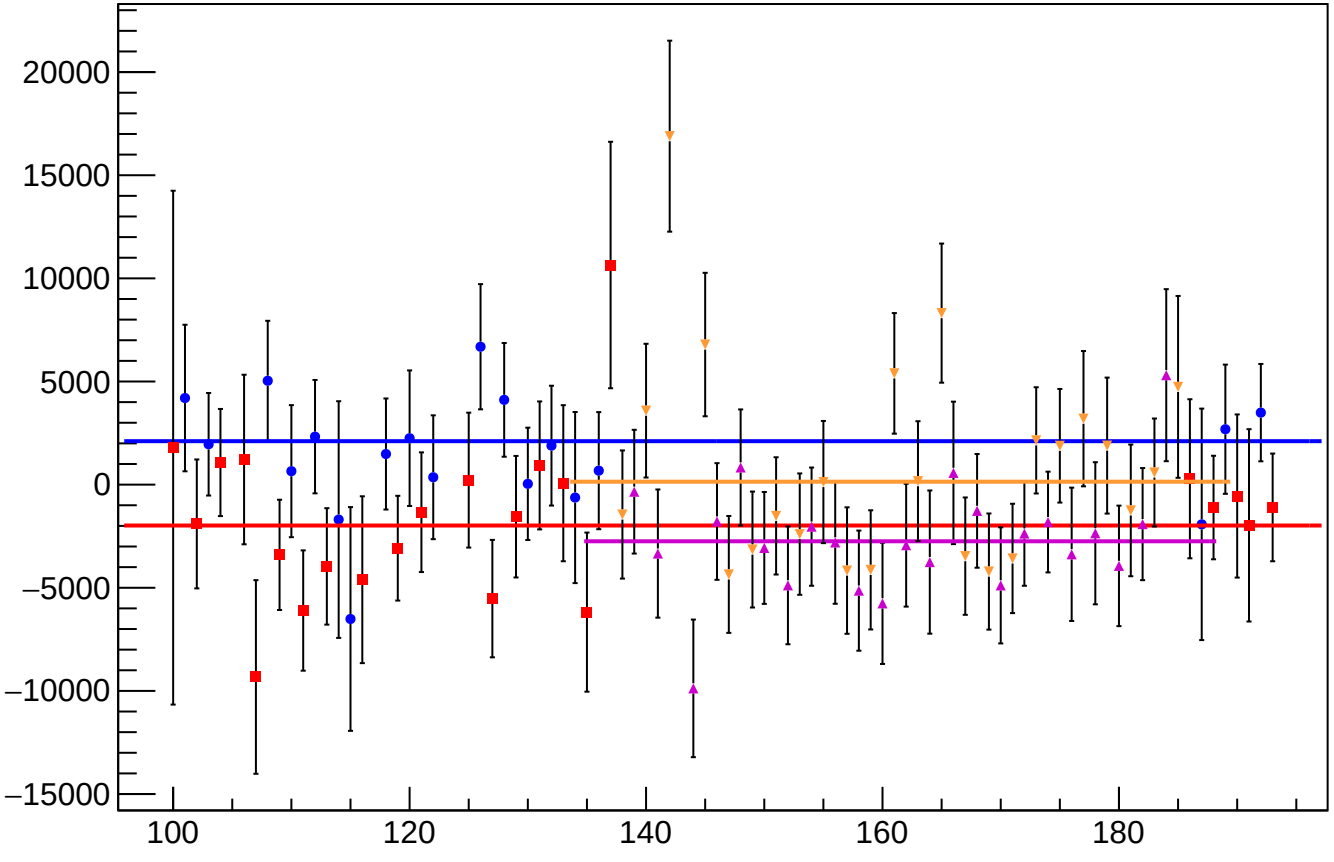
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2233.366+/-0.506 χ^2/NDF: 36505797.3/43

All: 2116.463+/-0.359 χ^2/NDF: 77747771.4/9

- sign 1998.187+/-0.509 χ^2/NDF: 41134412.3/46

dit_asym_atl2_mean vs Slug



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: -1981.700+/-679.839 χ^2/NDF: 17.5/22

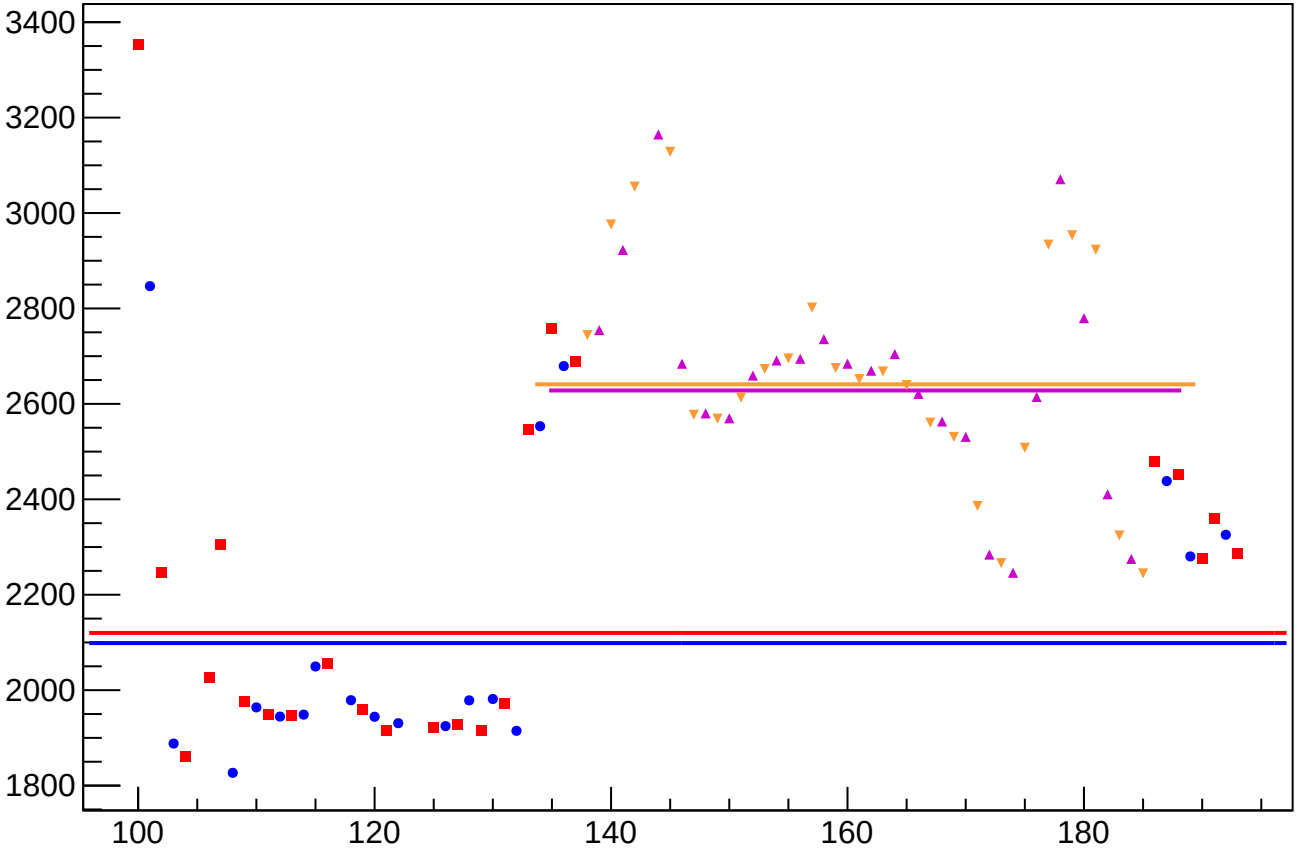
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 985.808+/-465.133 χ^2/NDF: 60.1/42

All: -739.361+/-325.815 χ^2/NDF: 120.7/88

- sign -2401.326+/-456.533 χ^2/NDF: 33.6/45

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: 2120.010+/-0.480 χ^2/NDF: 283347.7/22

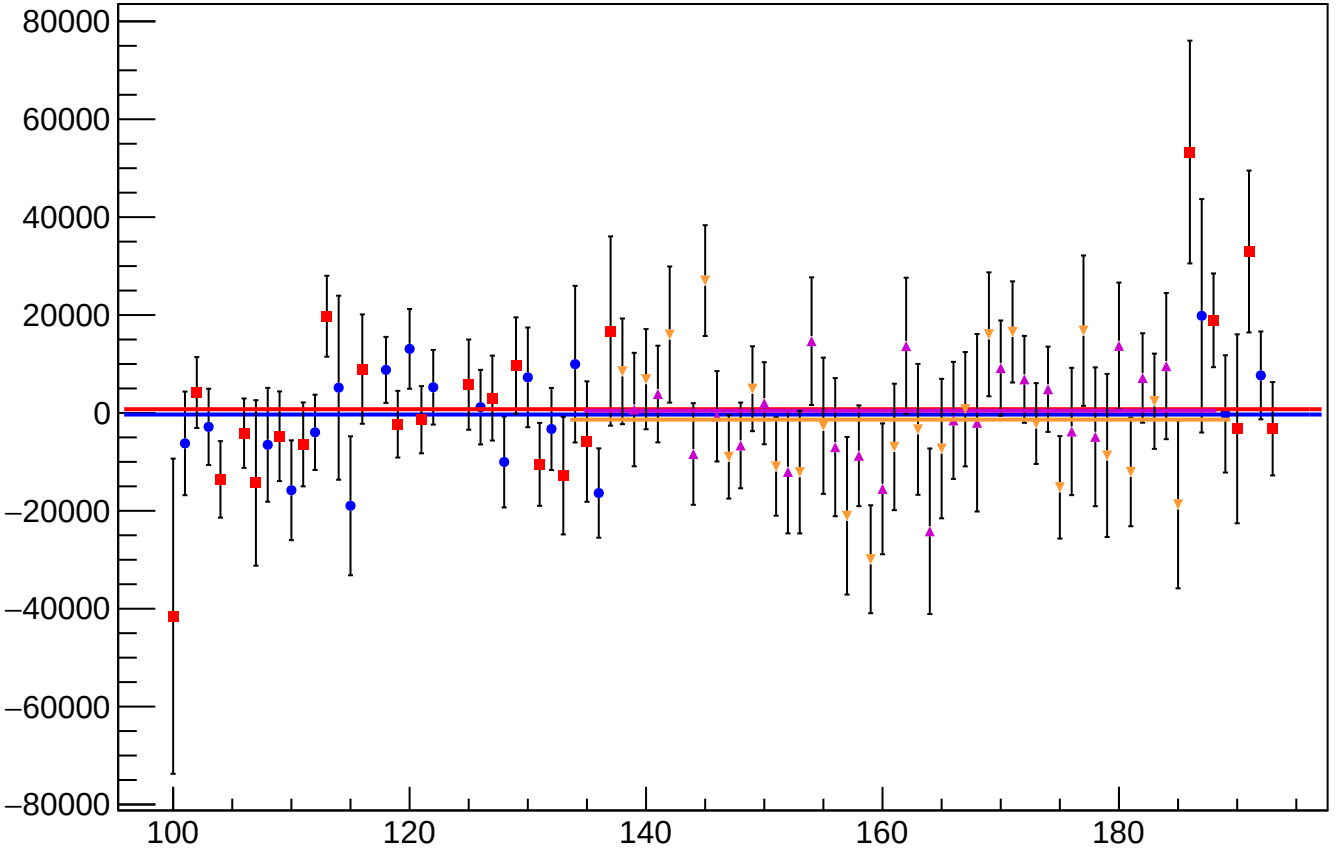
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2408.165+/-0.329 χ^2/NDF: 1228316.9/42

All: 2403.335+/-0.230 χ^2/NDF: 2363767.5/88

- sign 2398.687+/-0.323 χ^2/NDF: 1135027.4/45

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: 759.123+/-2014.874 χ^2/NDF: 31.9/22

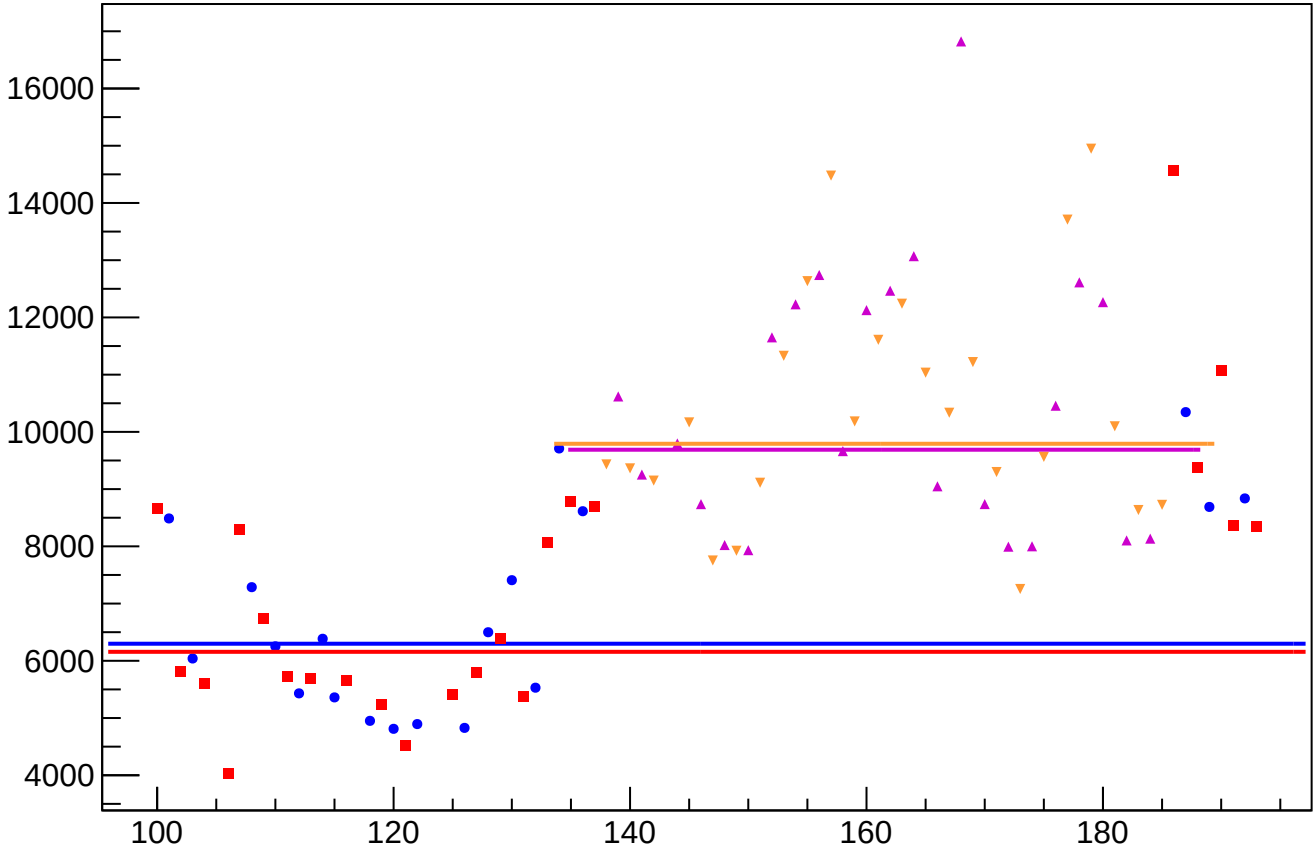
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -813.330+/-1589.414 χ^2/NDF: 48.3/42

All: -58.379+/-1098.406 χ^2/NDF: 93.7/88

- sign 631.791+/-1519.692 χ^2/NDF: 45.0/45

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

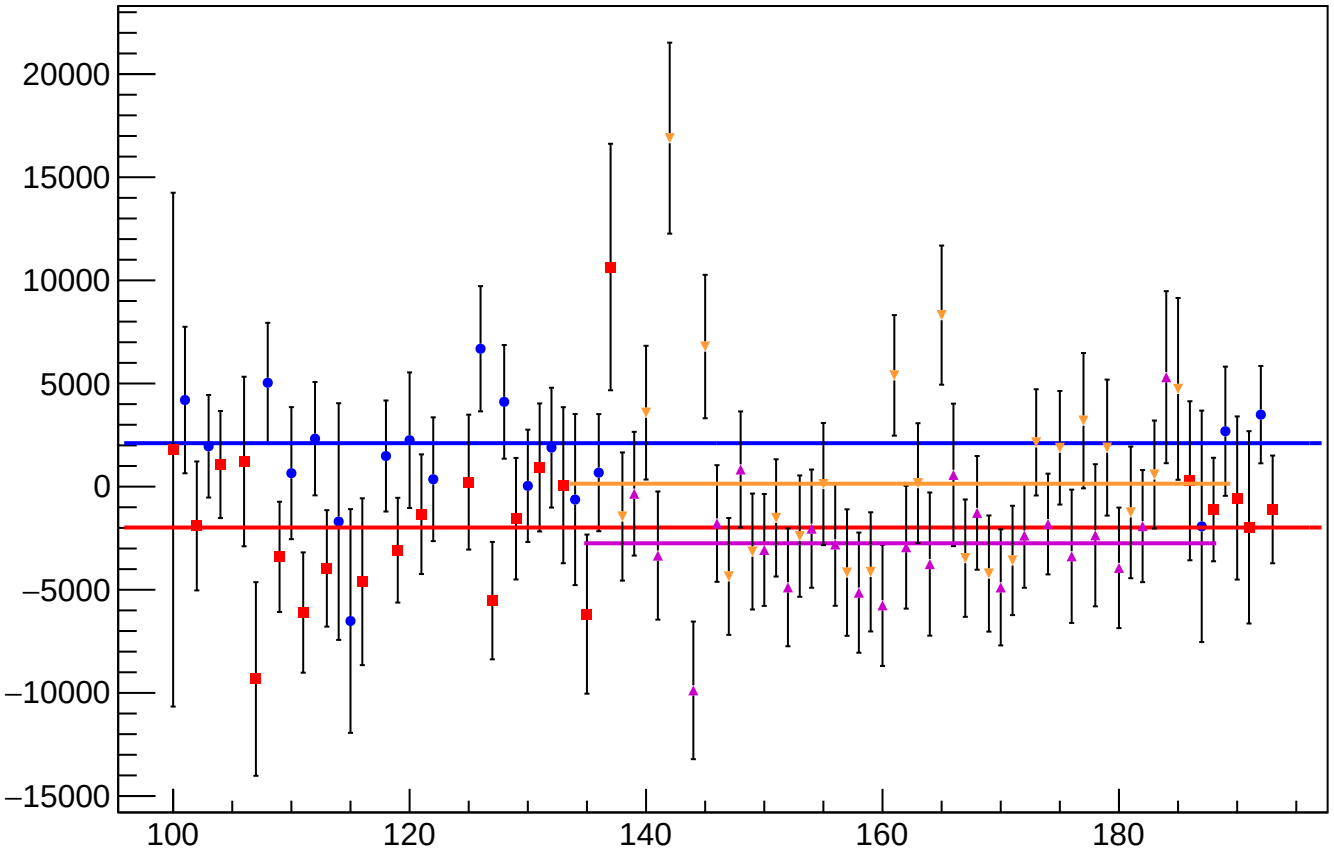
Right Out: 6157.026+/-1.425 χ^2/NDF: 1391573.7/22

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 7929.404+/-1.124 χ^2/NDF: 4607731.0/42

All: 7798.799+/-0.777 χ^2/NDF: 10051659.2/8

- sign 7679.401+/-1.075 χ^2/NDF: 5418078.3/45



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: -1981.703+/-679.839 χ^2/NDF: 17.5/22

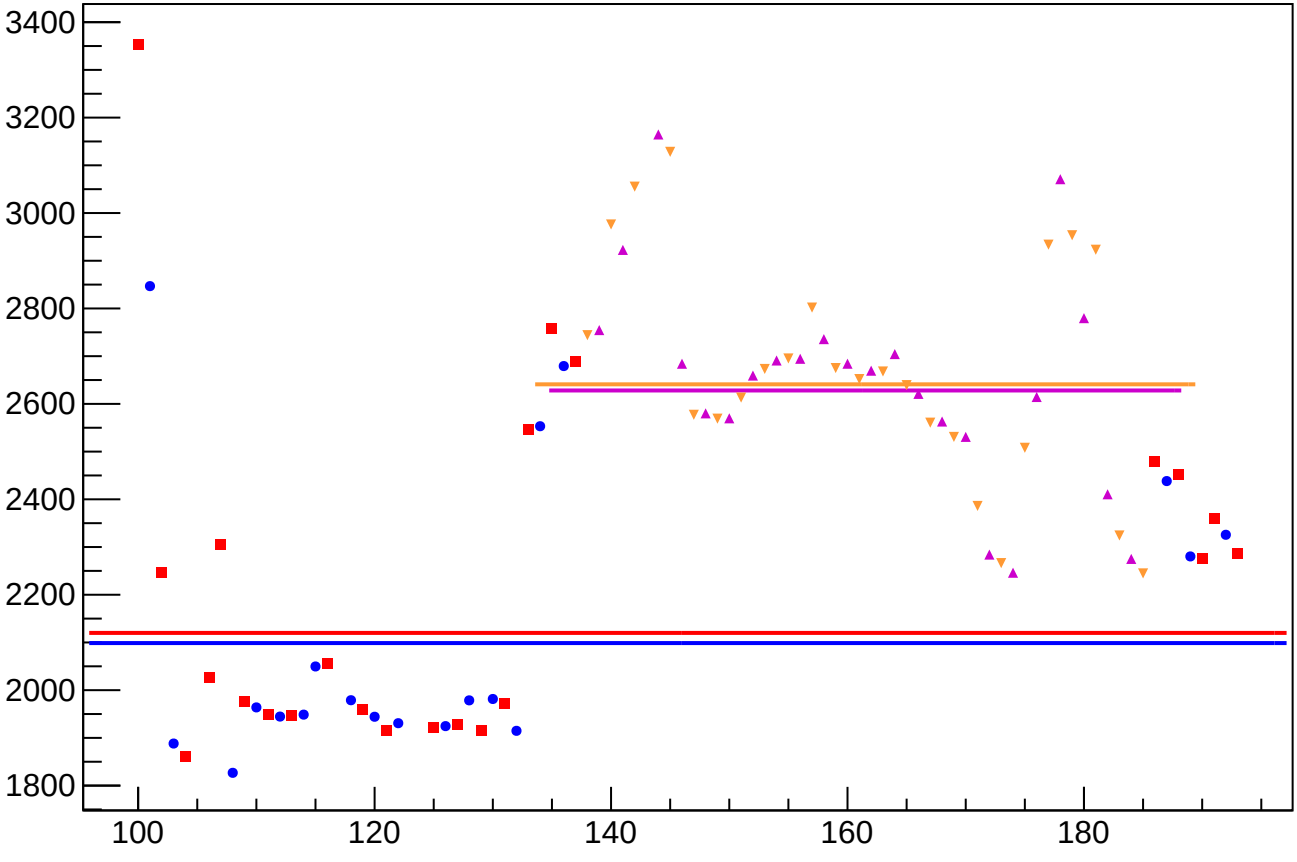
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 985.805+/-465.133 χ^2/NDF: 60.1/42

All: -739.362+/-325.816 χ^2/NDF: 120.7/88

- sign -2401.326+/-456.533 χ^2/NDF: 33.6/45

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: 2120.010+/-0.480 χ^2/NDF: 283347.7/22

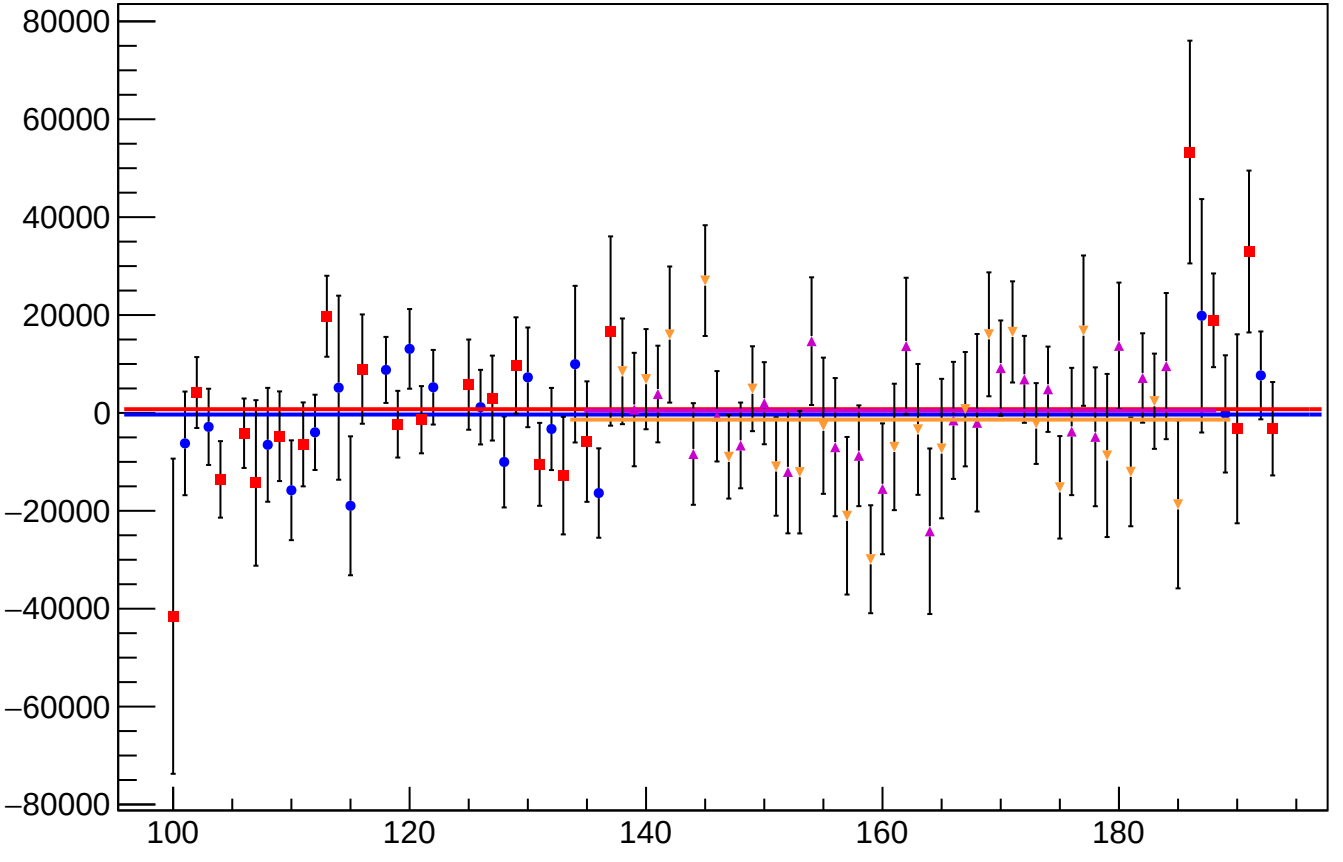
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2408.166+/-0.329 χ^2/NDF: 1228331.1/42

All: 2403.336+/-0.230 χ^2/NDF: 2363796.3/88

- sign 2398.688+/-0.323 χ^2/NDF: 1135042.1/45

asym_atl2_eigen_dit_correction_mean vs Slug



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: 759.111+/-2014.869 χ^2/NDF: 31.9/22

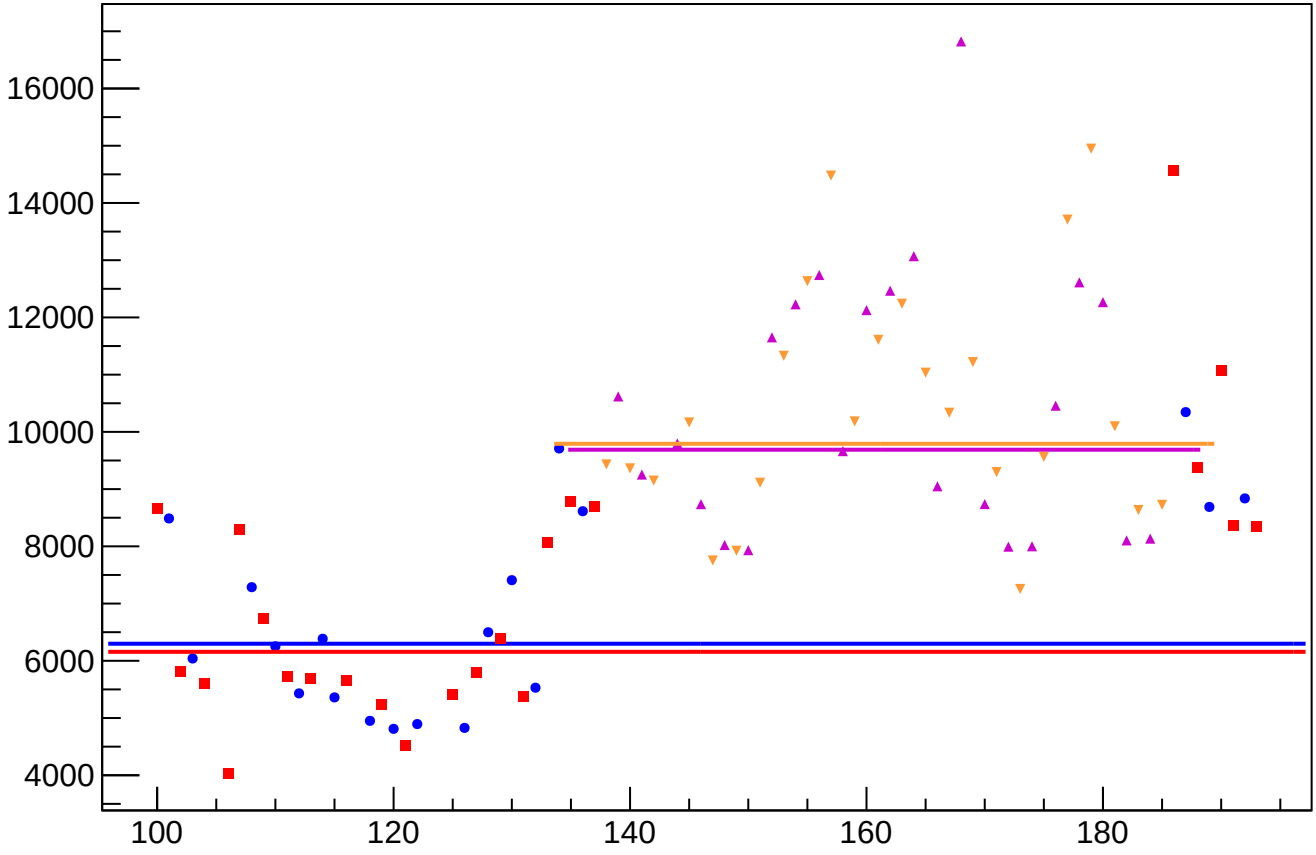
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -813.329+/-1589.413 χ^2/NDF: 48.3/42

All: -58.381+/-1098.405 χ^2/NDF: 93.7/88

- sign 631.785+/-1519.691 χ^2/NDF: 45.0/45

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: 6157.010+/-1.425 χ^2/NDF: 1391588.4/22

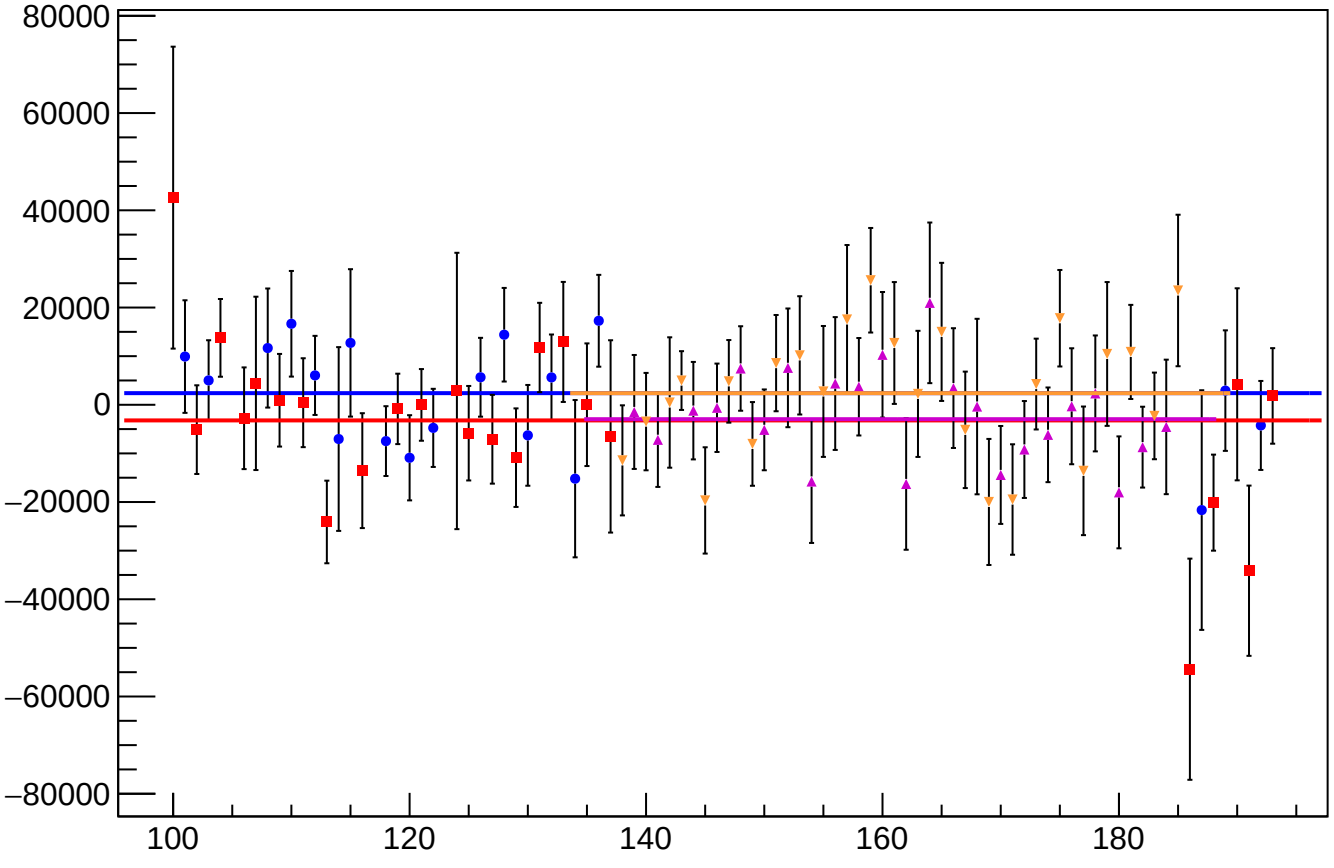
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 7929.394+/-1.124 χ^2/NDF: 4607797.0/42

All: 7798.789+/-0.777 χ^2/NDF: 10051788.8/8

- sign 7679.392+/-1.075 χ^2/NDF: 5418141.9/45

asym_atl2_mean vs Slug



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: -3214.674+/-2173.713 χ^2/NDF: 31.2/23

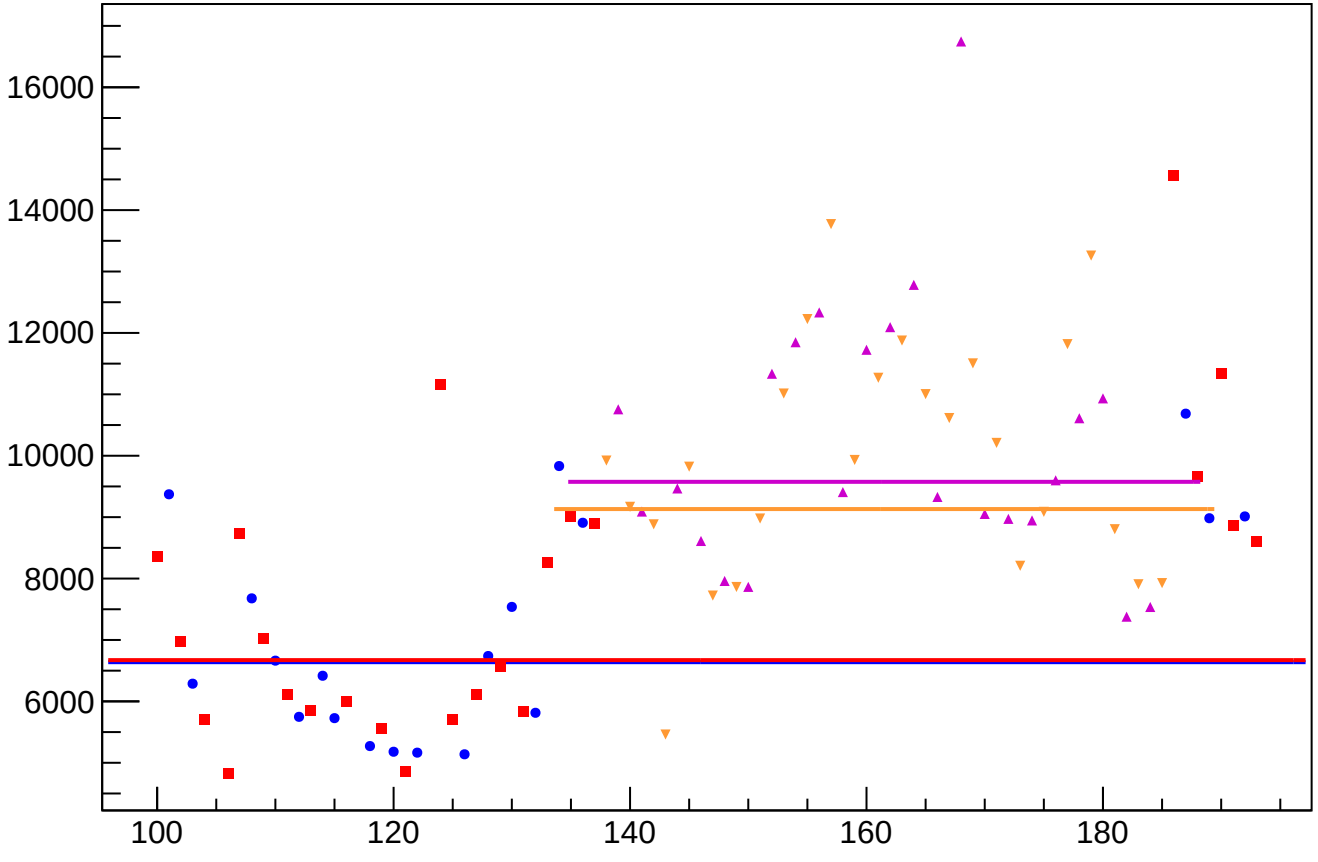
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2390.428+/-1562.088 χ^2/NDF: 46.2/43

All: -333.336+/-1108.376 χ^2/NDF: 96.5/90

- sign -3095.037+/-1572.928 χ^2/NDF: 44.2/46

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

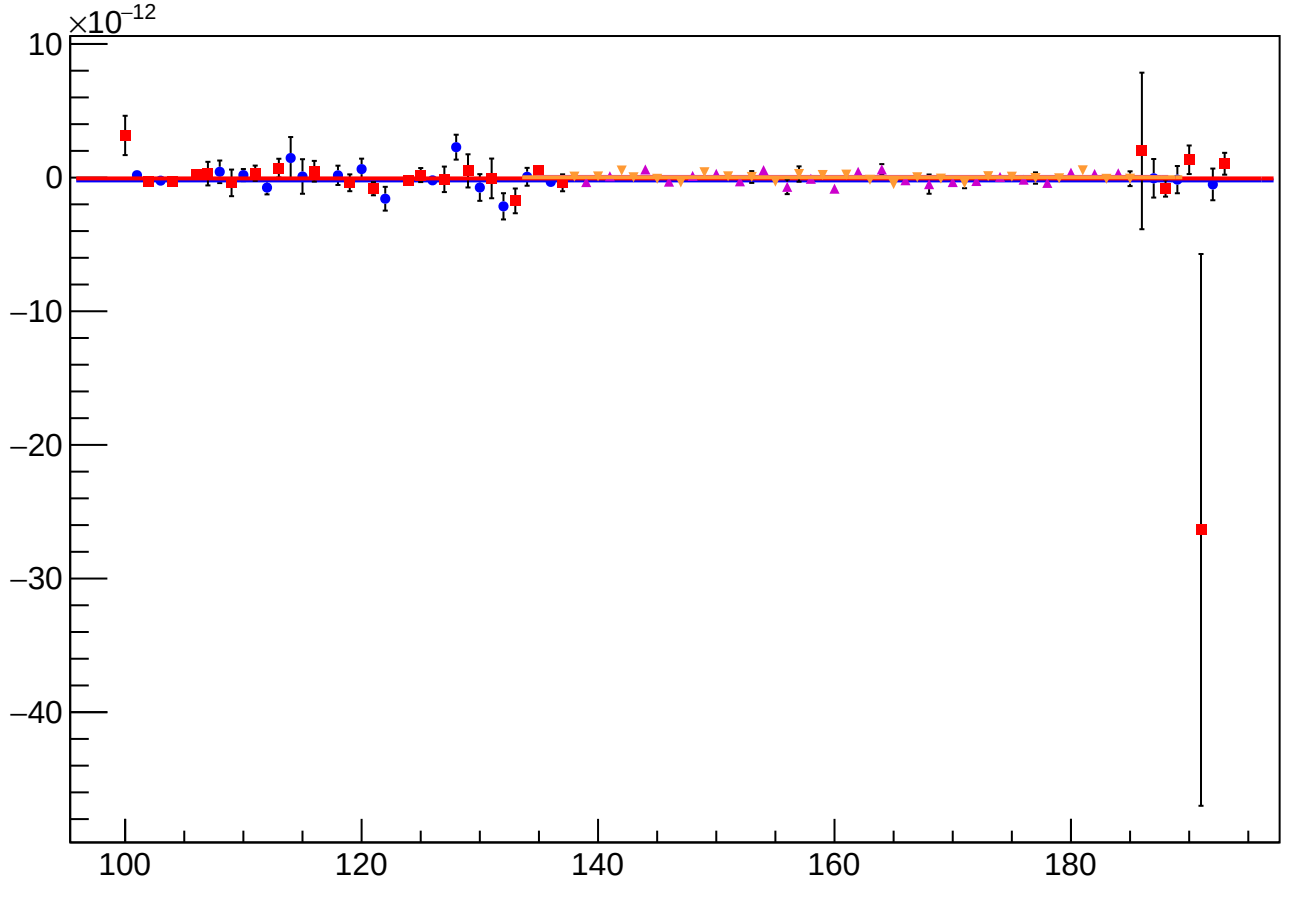
Right Out: 6671.867+/-1.537 χ^2/NDF: 1194842.7/23

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 7971.174+/-1.105 χ^2/NDF: 3990339.8/43

All: 8012.787+/-0.784 χ^2/NDF: 8041600.7/90

- sign 8054.980+/-1.112 χ^2/NDF: 4048402.4/46



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: 27.4/23

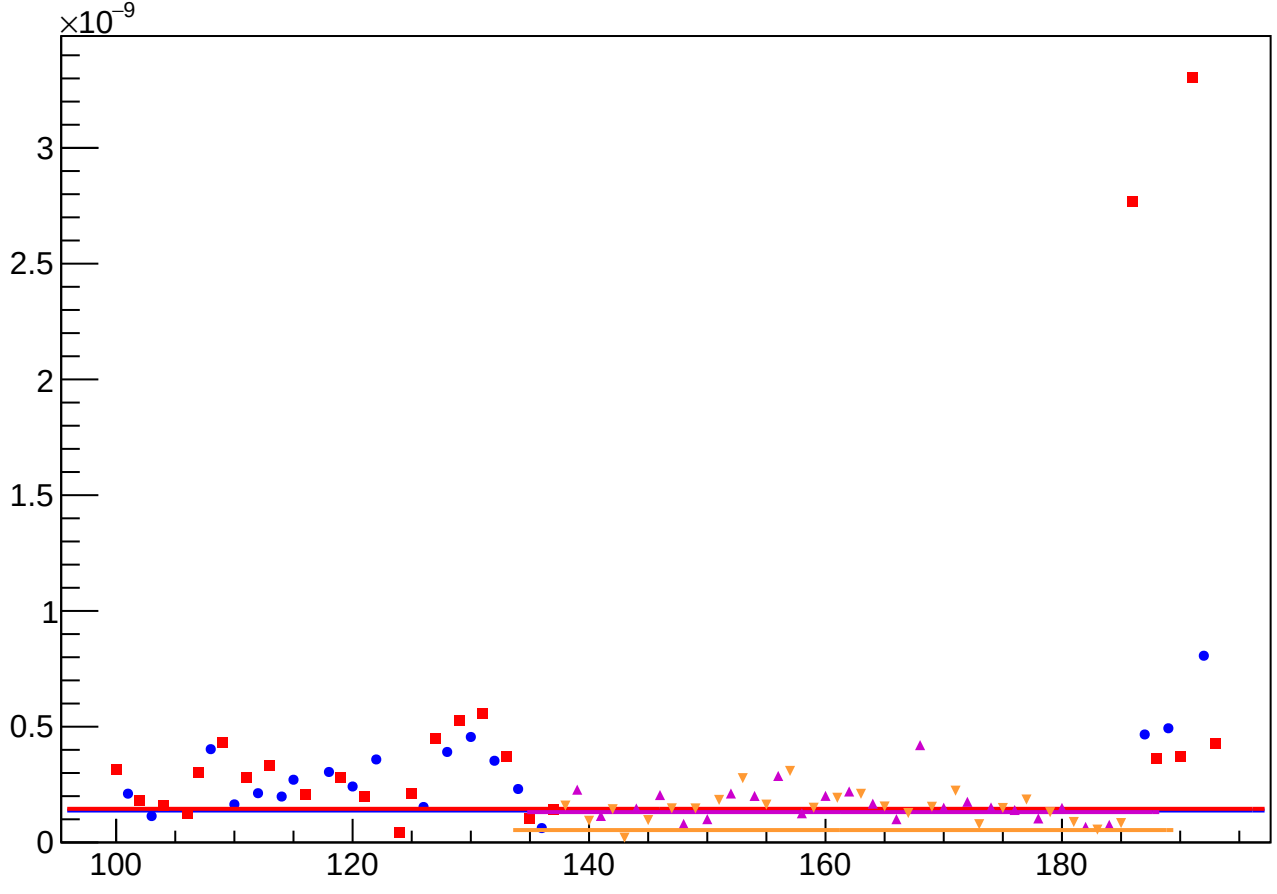
Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.5/43

All: 0.000+/-0.000 χ^2/NDF: 109.8/90

- sign 0.000+/-0.000 χ^2/NDF: 65.3/46

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: 3343900.8/23

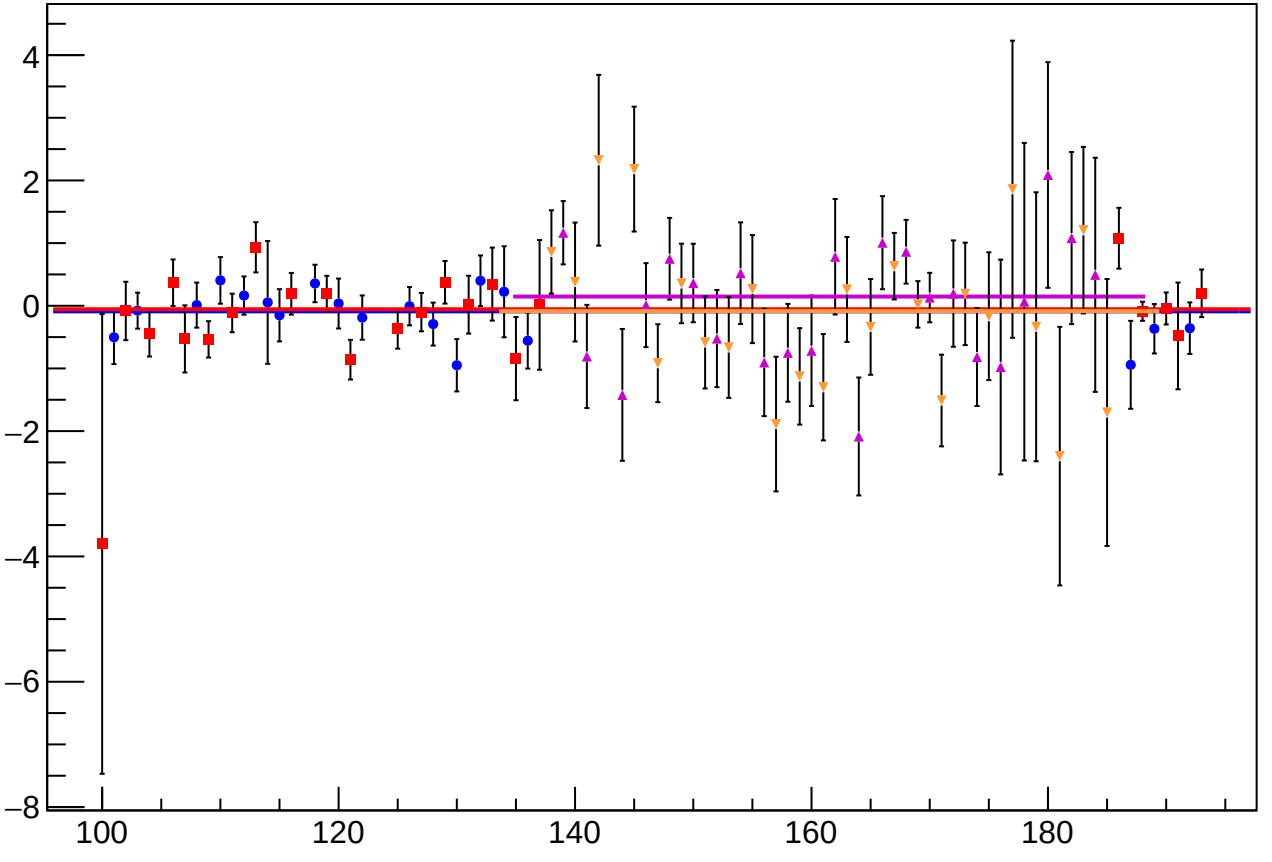
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11422714.4/43

All: 0.000+/-0.000 χ^2/NDF: 20283548.4/90

- sign 0.000+/-0.000 χ^2/NDF: 5282315.0/46

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: -0.056+/-0.072 χ^2/NDF: 31.7/22

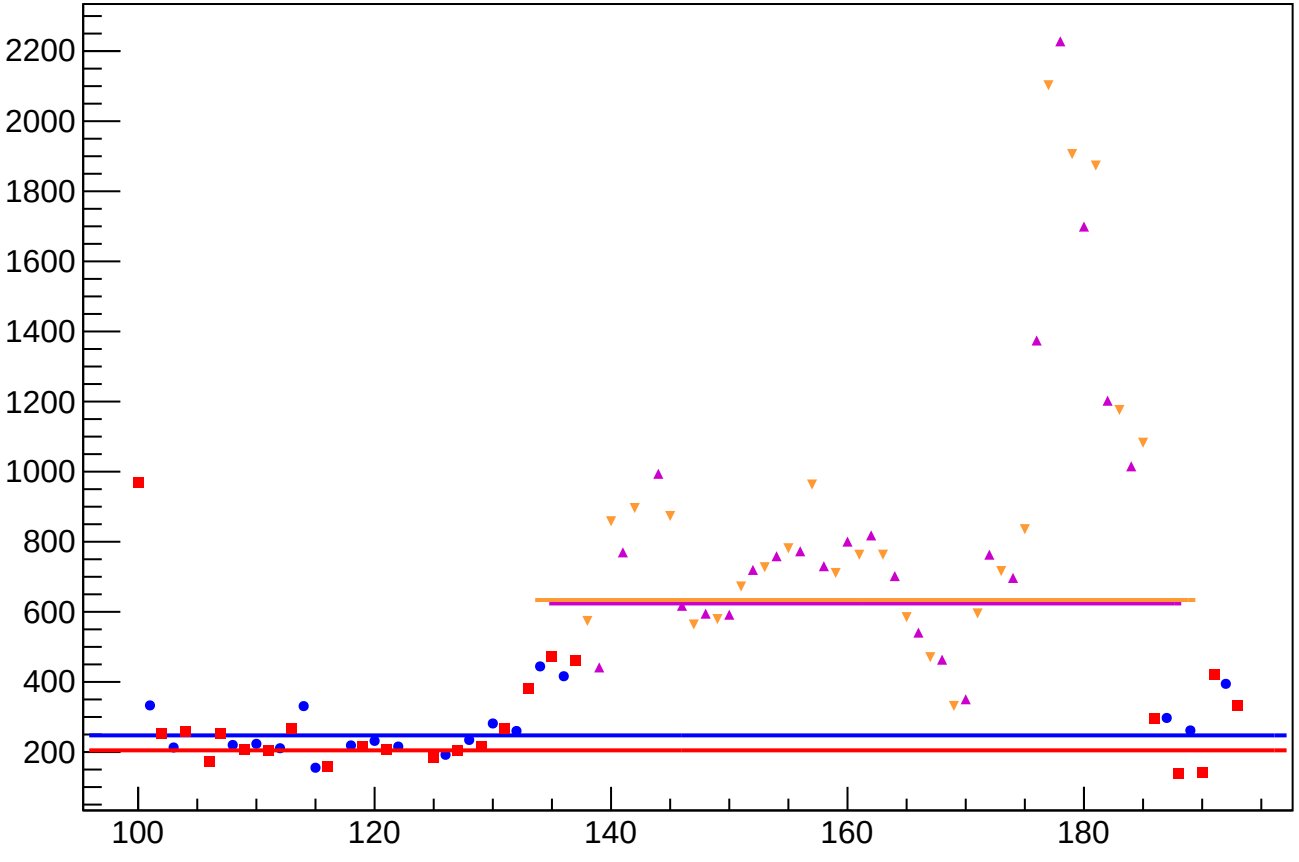
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.088+/-0.078 χ^2/NDF: 46.0/42

All: -0.049+/-0.050 χ^2/NDF: 105.9/88

- sign -0.021+/-0.065 χ^2/NDF: 59.5/45

asym_atl2_dit_vs_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: 204.756+/-0.051 χ^2/NDF: 1881595.7/22

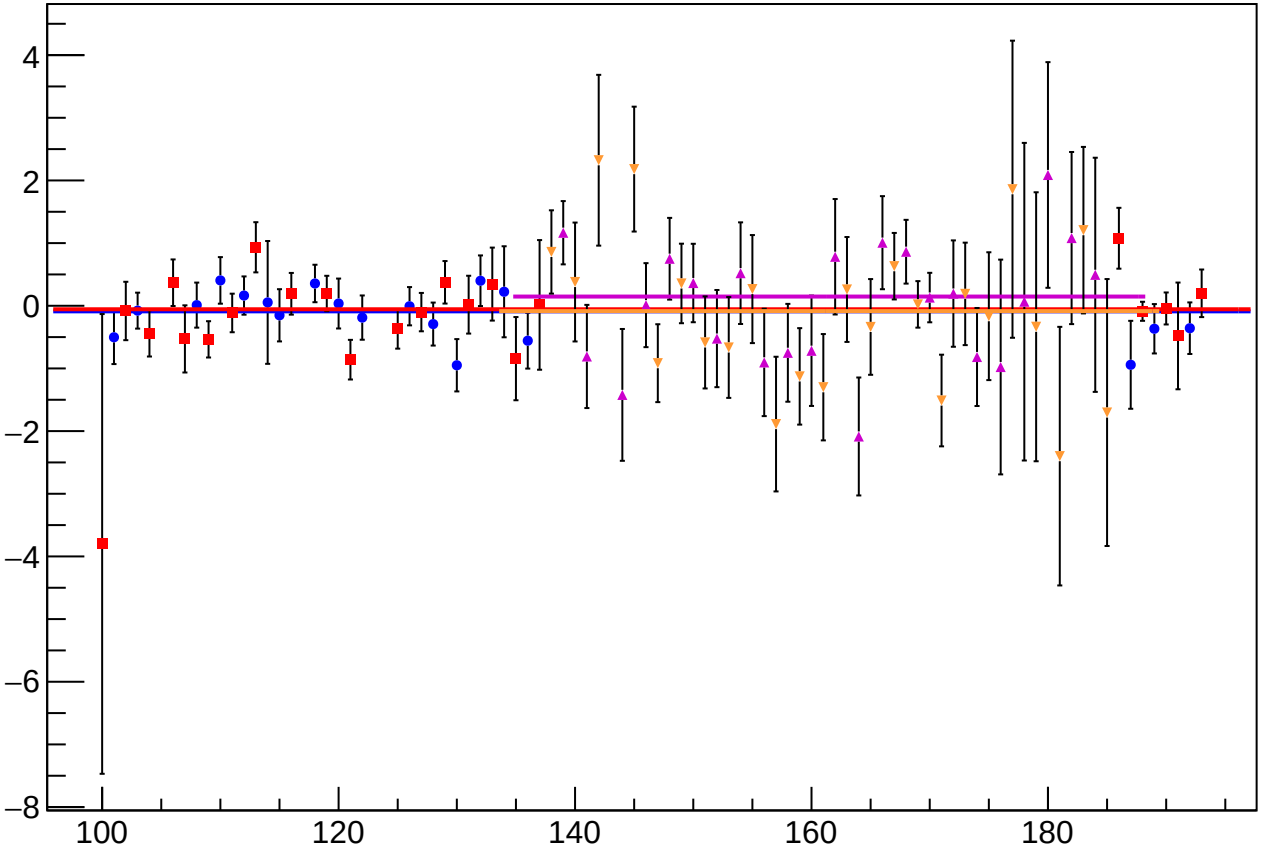
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 336.544+/-0.055 χ^2/NDF: 14895384.5/42

All: 301.223+/-0.035 χ^2/NDF: 33675136.6/88

- sign 276.159+/-0.046 χ^2/NDF: 18069888.6/45

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: -0.056+/-0.072 χ^2/NDF: 31.7/22

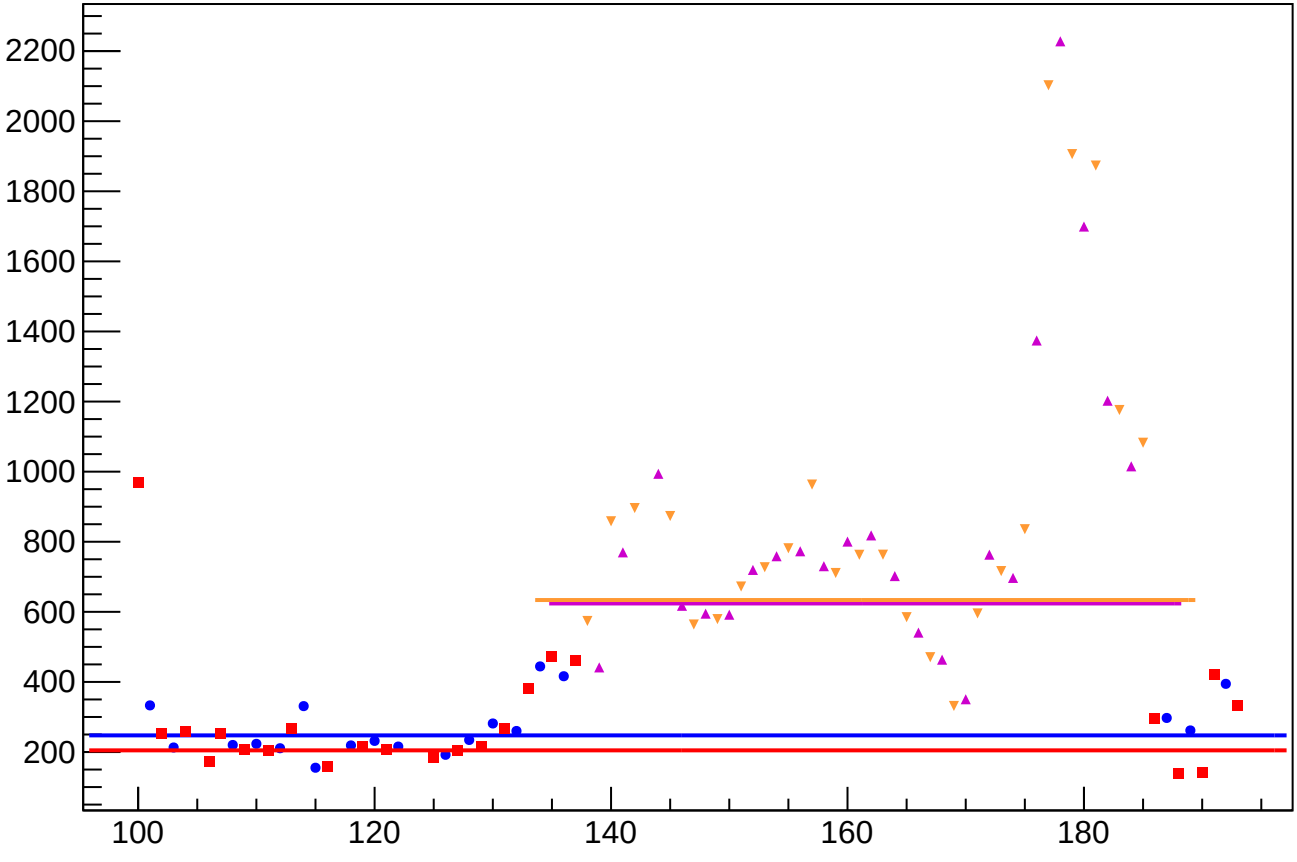
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.088+/-0.078 χ^2/NDF: 46.0/42

All: -0.049+/-0.050 χ^2/NDF: 105.9/88

- sign -0.021+/-0.065 χ^2/NDF: 59.5/45

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

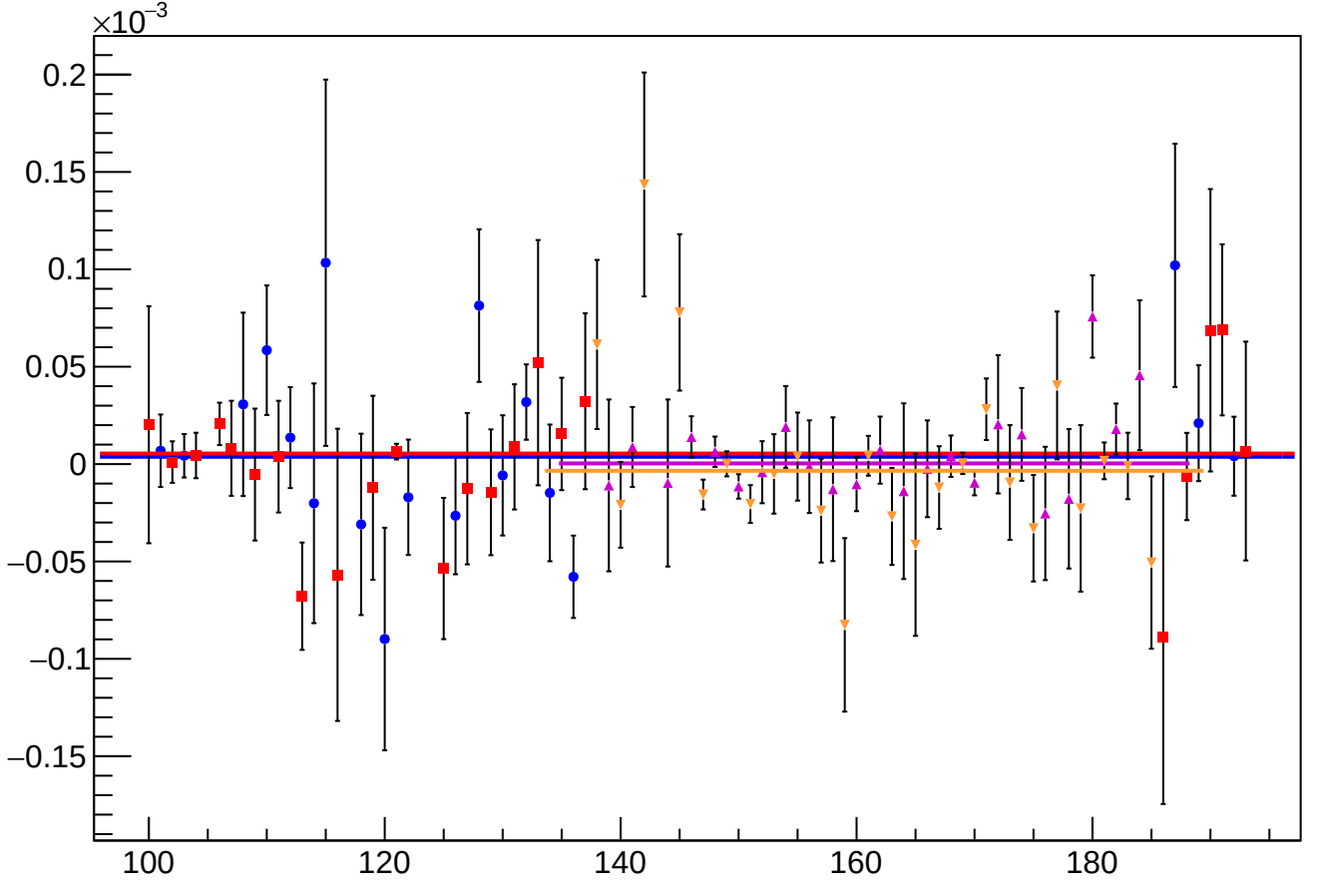
Right Out: 204.756+/-0.051 χ^2/NDF: 1881595.7/22

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 336.544+/-0.055 χ^2/NDF: 14895384.5/42

All: 301.223+/-0.035 χ^2/NDF: 33675136.6/88

- sign 276.159+/-0.046 χ^2/NDF: 18069888.6/45



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: 18.9/22

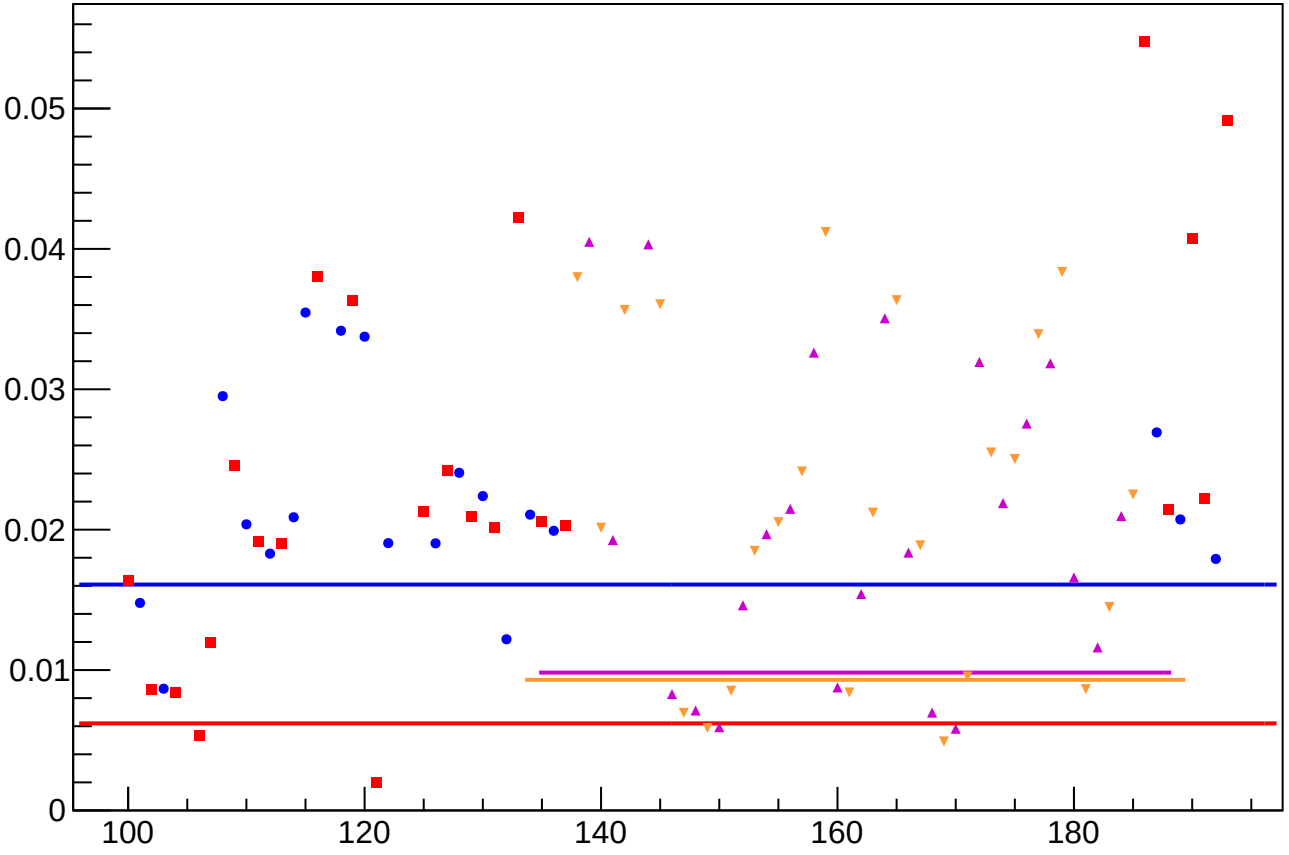
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.4/42

All: 0.000+/-0.000 χ^2/NDF: 112.7/88

- sign 0.000+/-0.000 χ^2/NDF: 48.2/45

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



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: 11495752.2/22

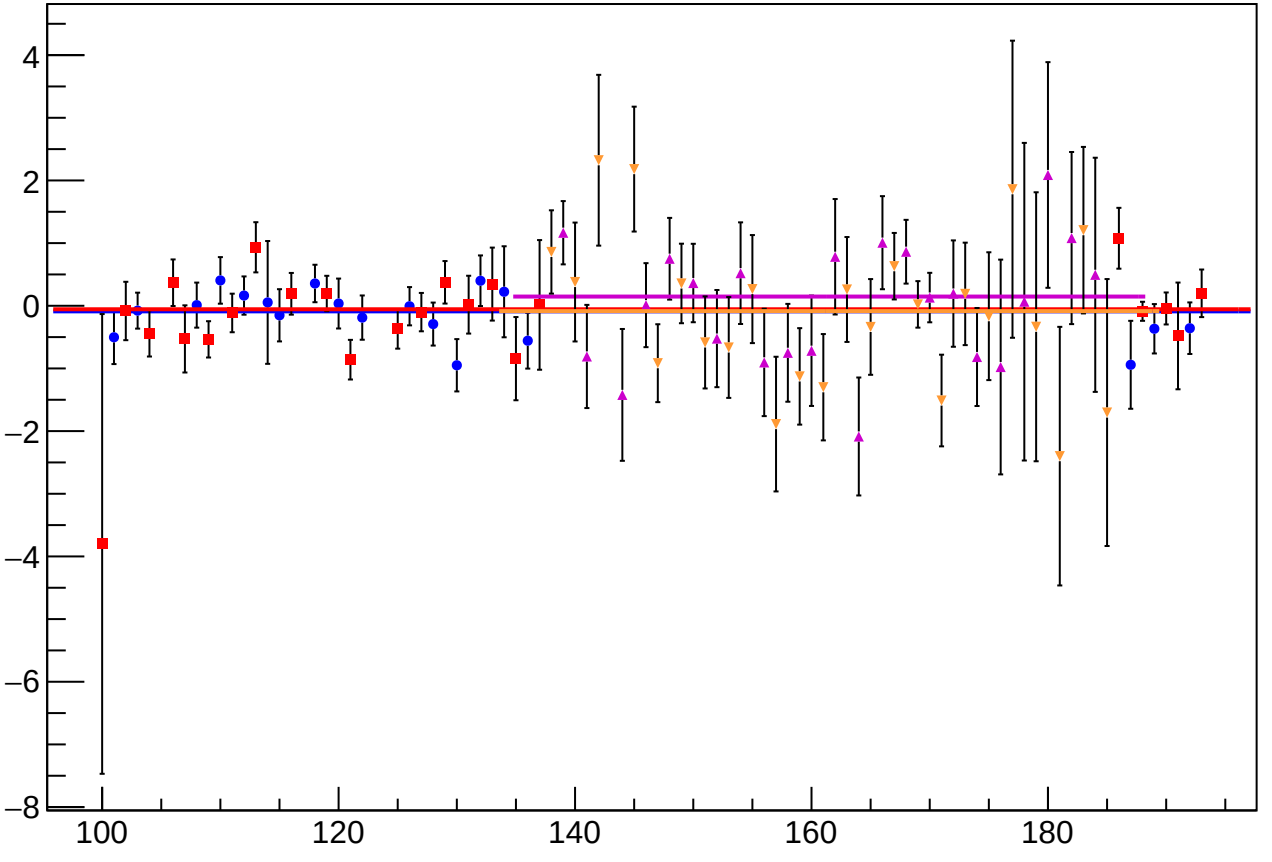
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 16590515.9/42

All: 0.009+/-0.000 χ^2/NDF: 40843015.9/88

- sign 0.008+/-0.000 χ^2/NDF: 23233236.8/45

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: -0.056+/-0.072 χ^2/NDF: 31.7/22

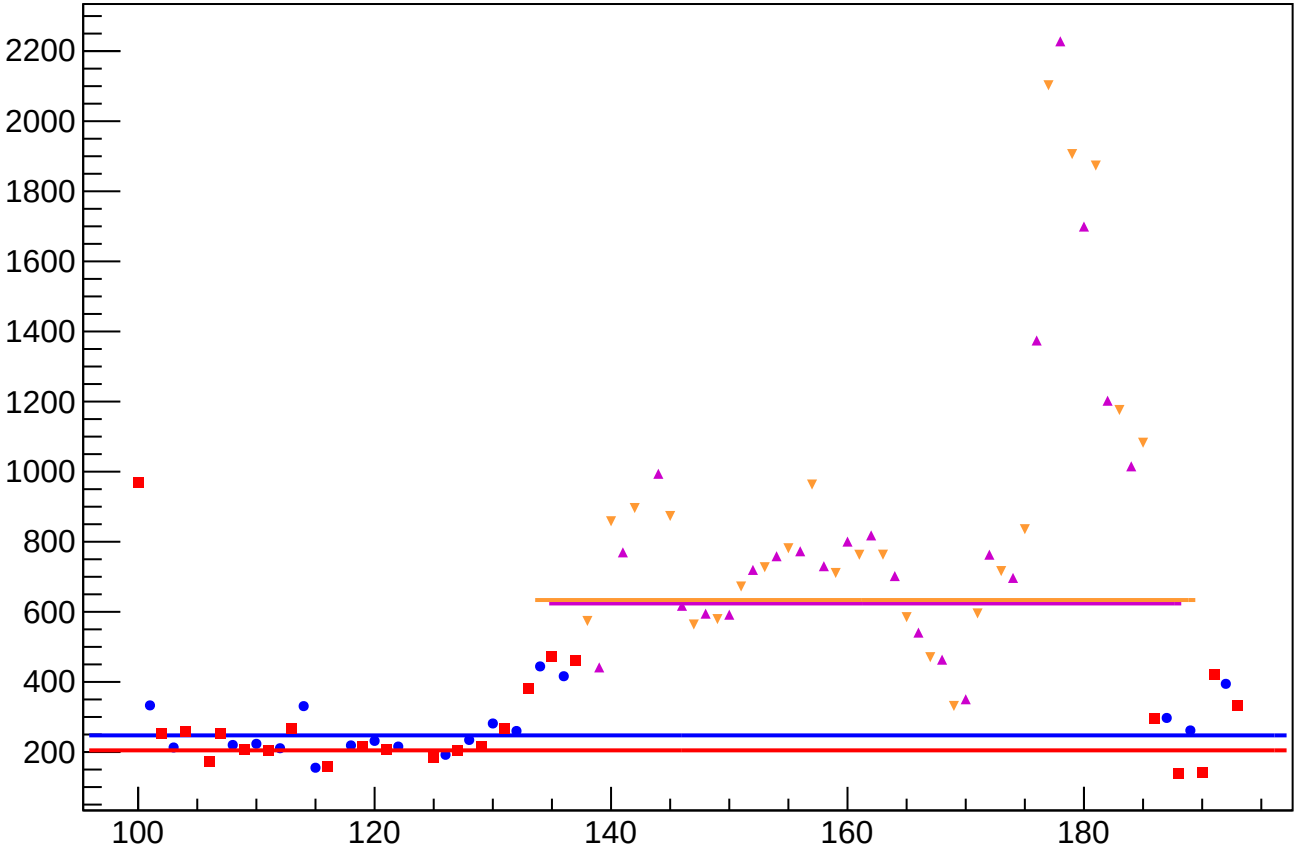
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.088+/-0.078 χ^2/NDF: 46.0/42

All: -0.049+/-0.050 χ^2/NDF: 105.9/88

- sign -0.021+/-0.065 χ^2/NDF: 59.5/45

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

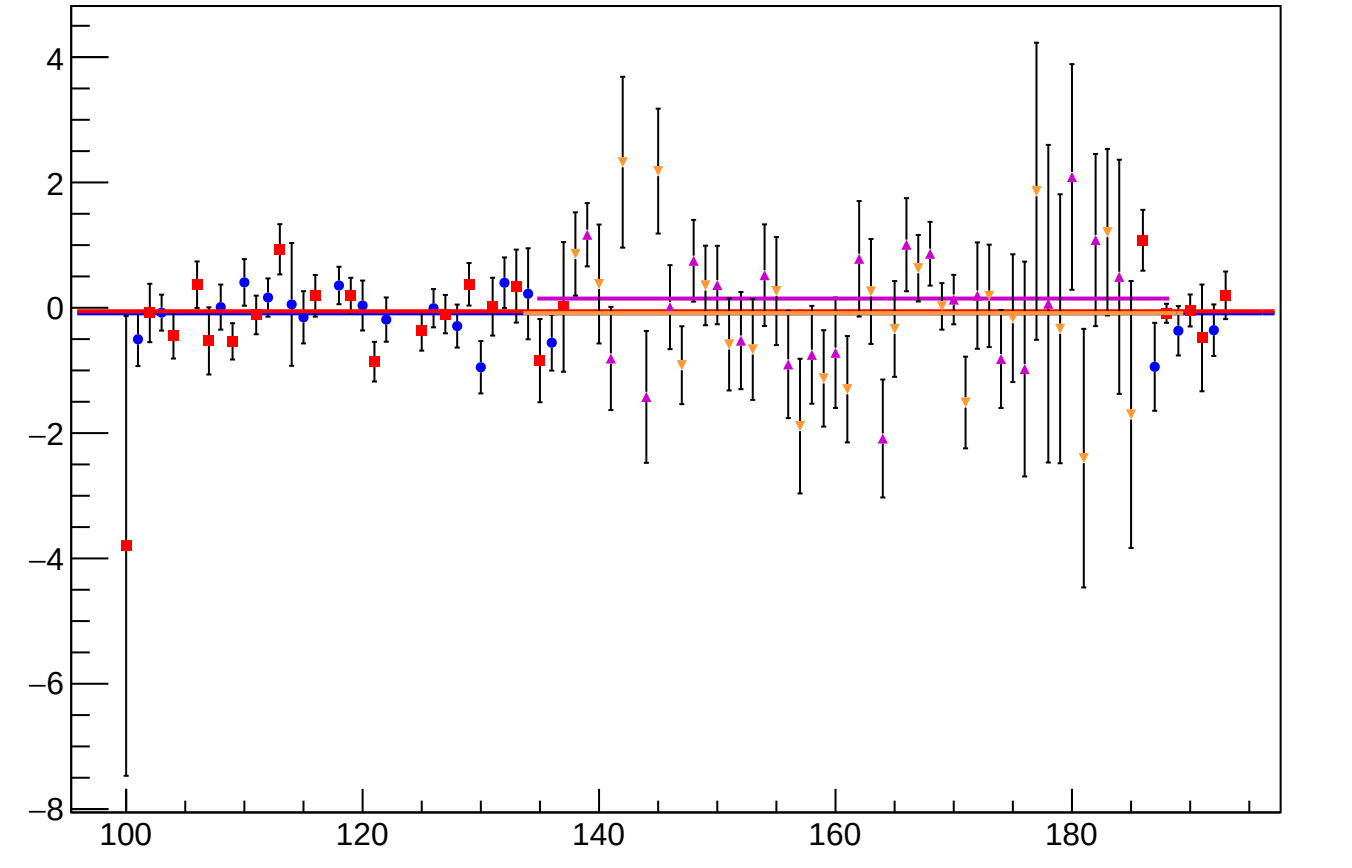
Right Out: 204.753+/-0.051 χ^2/NDF: 1881640.6/22

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 336.545+/-0.055 χ^2/NDF: 14895425.8/42

All: 301.221+/-0.035 χ^2/NDF: 33675641.0/88

- sign 276.156+/-0.046 χ^2/NDF: 18070247.7/45



Right In: -0.089+/-0.088 χ^2/NDF: 15.7/18

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

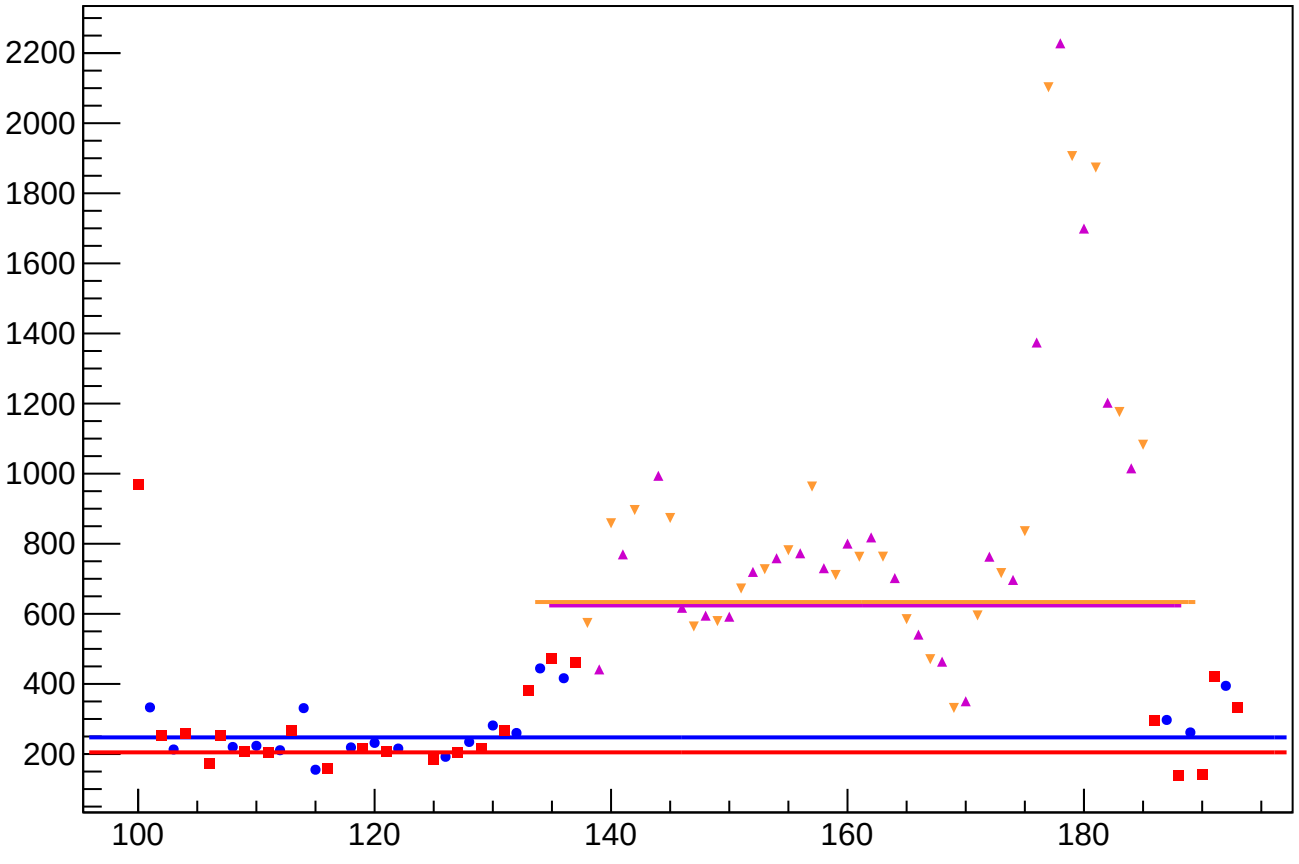
Right Out: -0.056+/-0.072 χ^2/NDF: 31.7/22

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.088+/-0.078 χ^2/NDF: 46.0/42

All: -0.049+/-0.050 χ^2/NDF: 105.9/88

- sign -0.021+/-0.065 χ^2/NDF: 59.5/45



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: 204.753+/-0.051 χ^2/NDF: 1881640.6/22

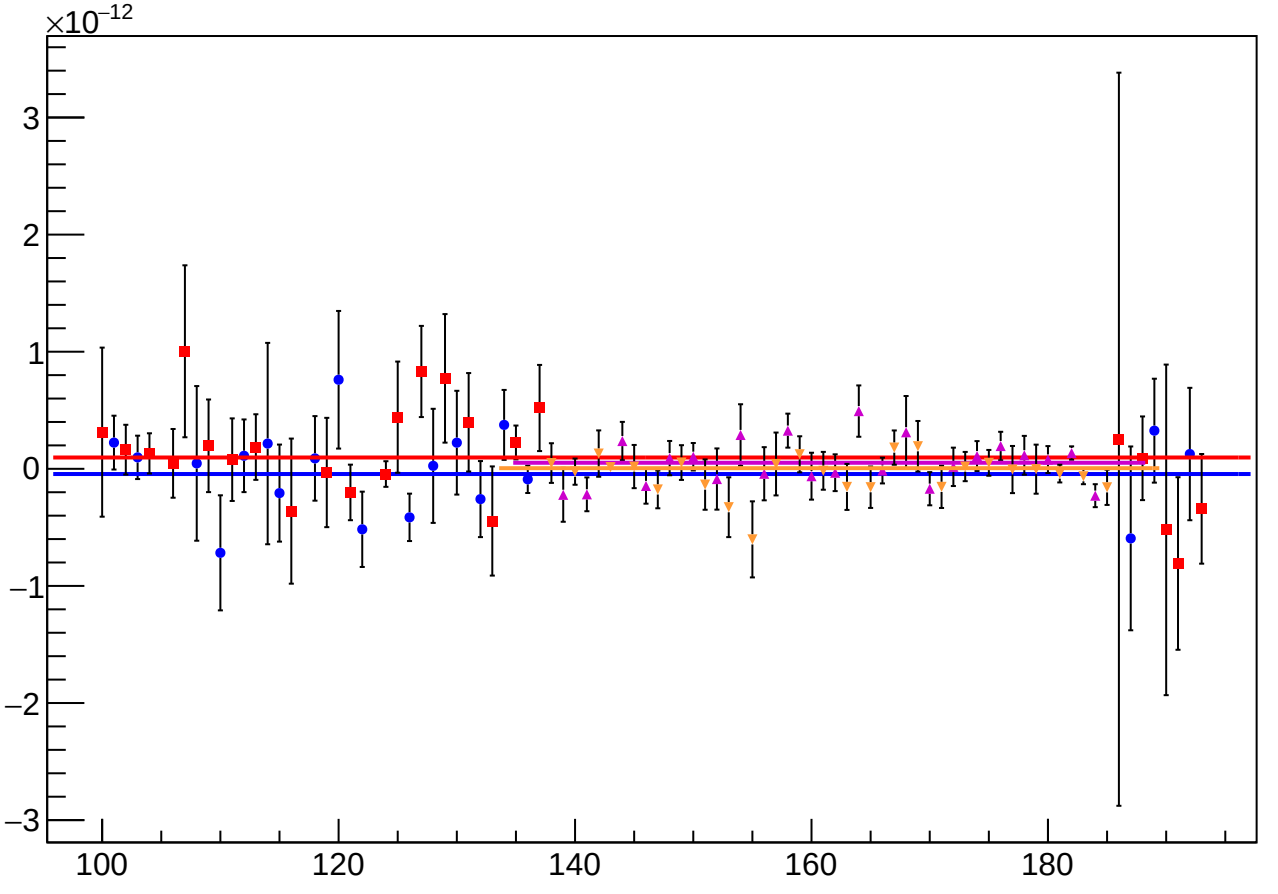
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 336.545+/-0.055 χ^2/NDF: 14895425.8/42

All: 301.221+/-0.035 χ^2/NDF: 33675641.0/88

- sign 276.156+/-0.046 χ^2/NDF: 18070247.7/45

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

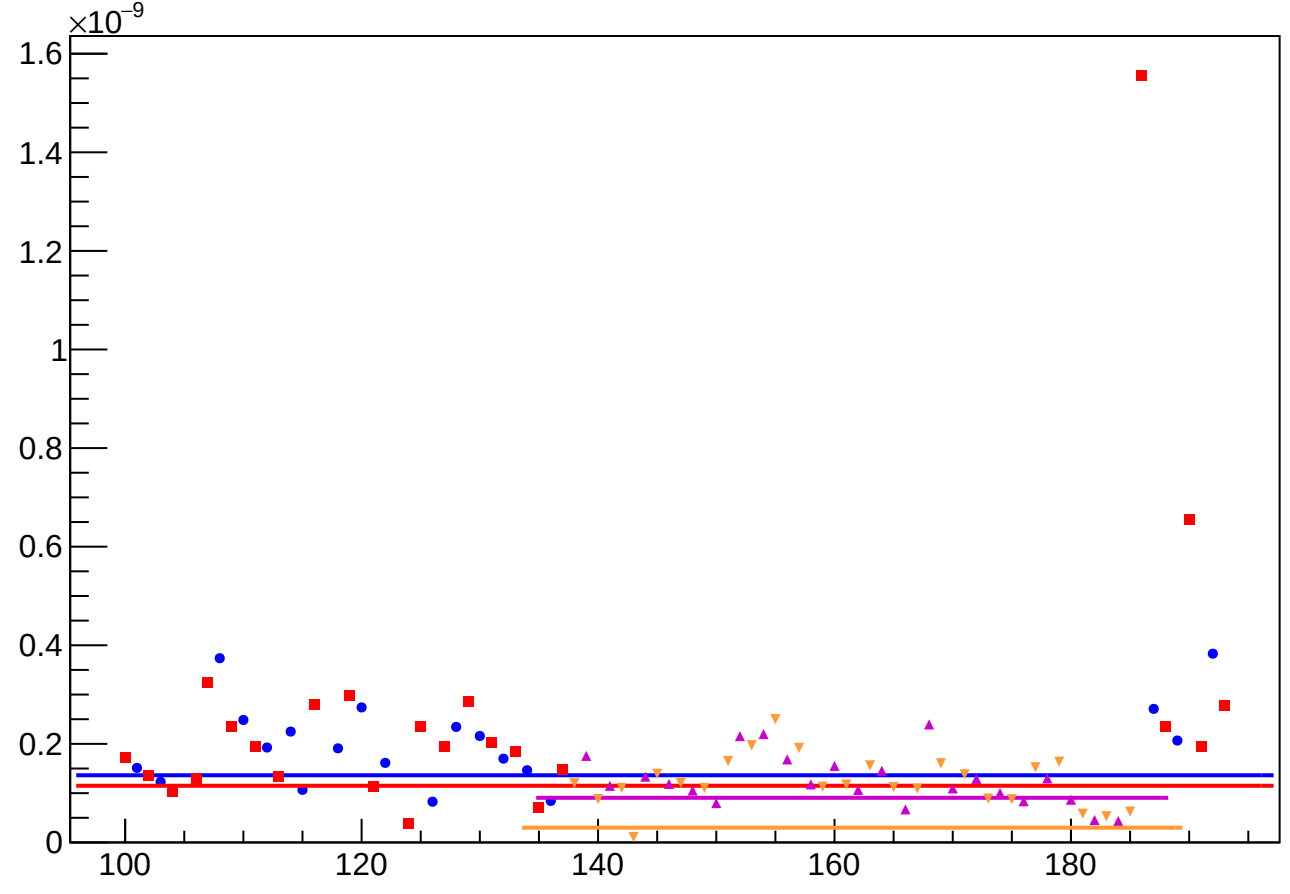
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/23

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: 88.3/90

- sign 0.000+/-0.000 χ^2/NDF: 51.8/46



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: 3904658.2/23

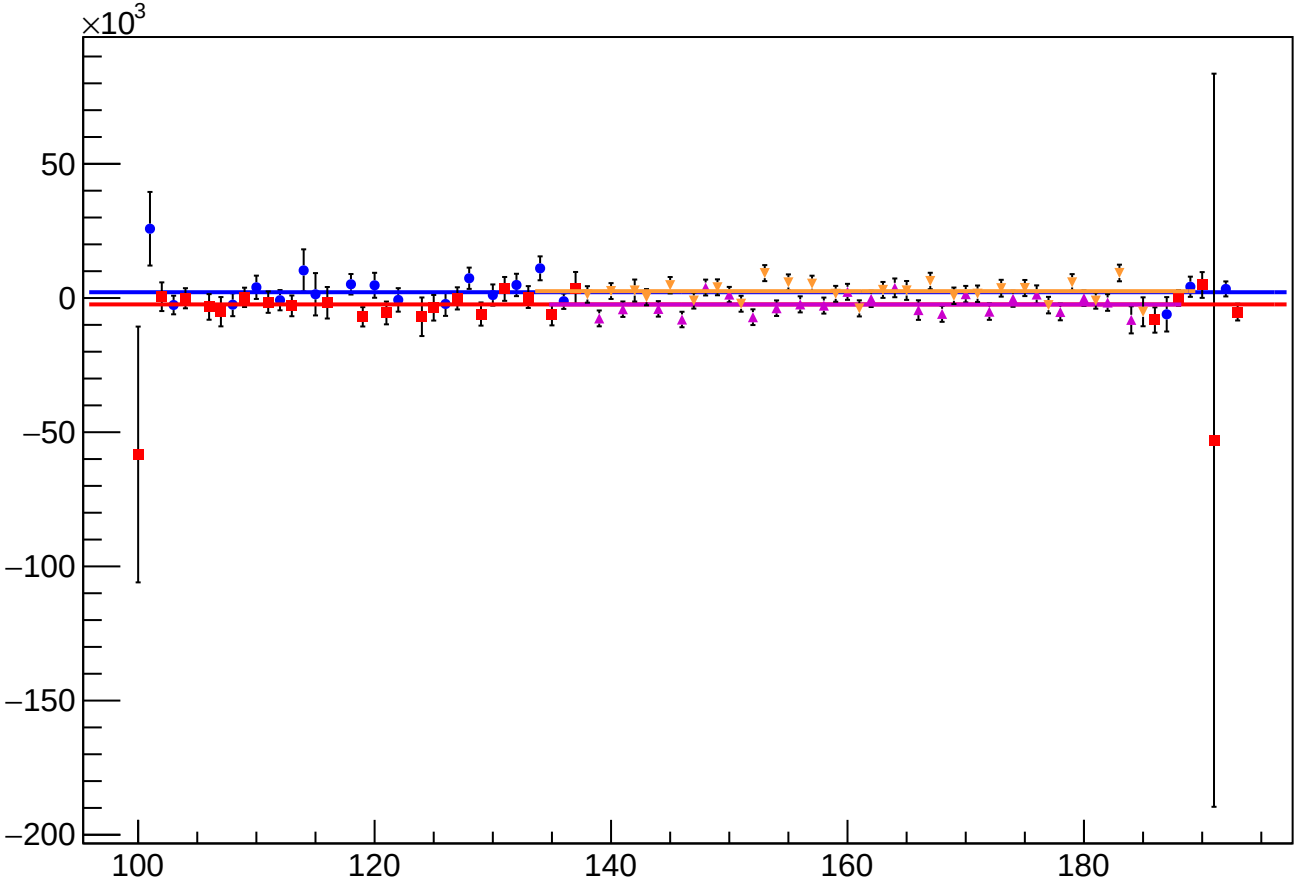
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 24079925.2/43

All: 0.000+/-0.000 χ^2/NDF: 42164435.5/90

- sign 0.000+/-0.000 χ^2/NDF: 8912181.1/46

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: -2374.755+/-898.922 χ^2/NDF: 16.2/23

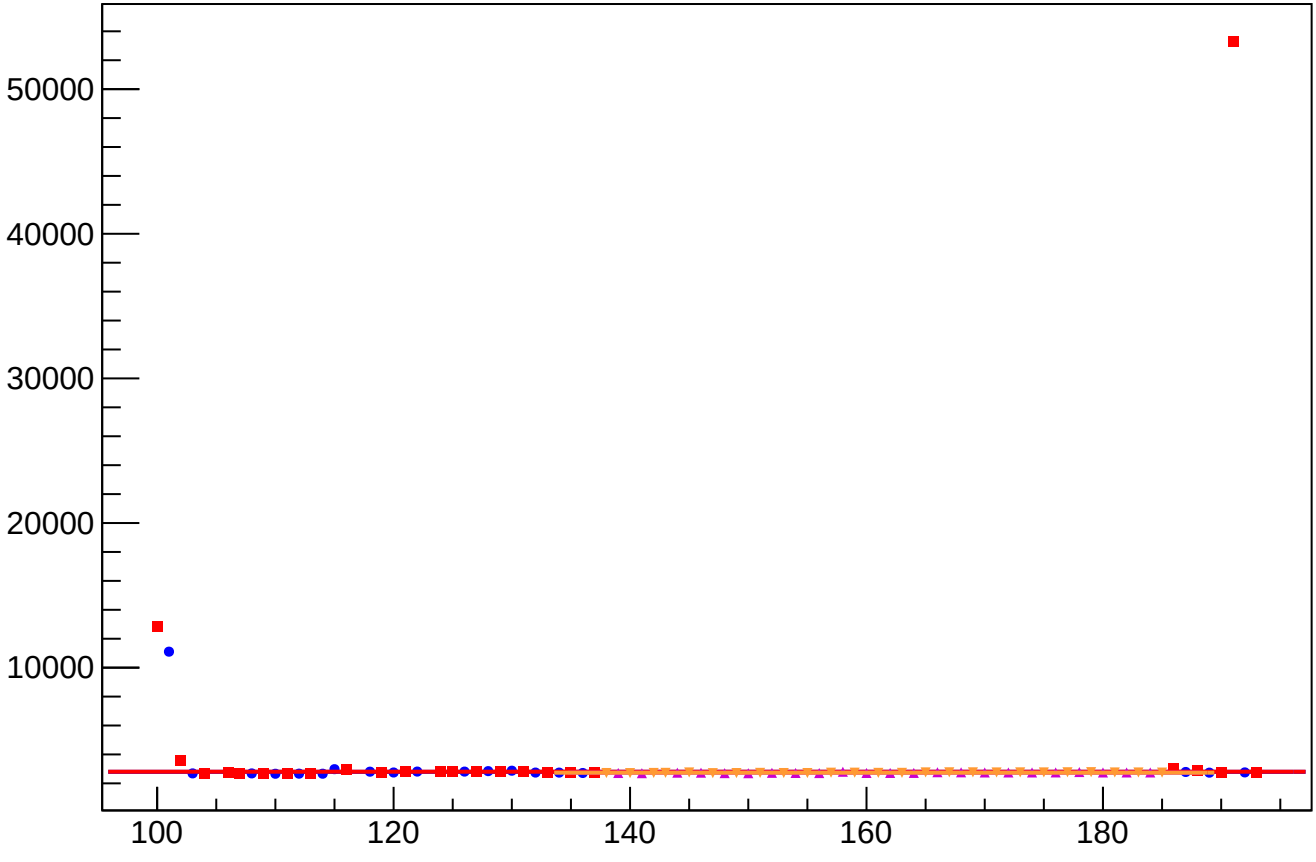
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2440.298+/-521.164 χ^2/NDF: 51.6/43

All: 21.860+/-368.536 χ^2/NDF: 142.3/90

- sign -2397.036+/-521.213 χ^2/NDF: 47.5/46

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

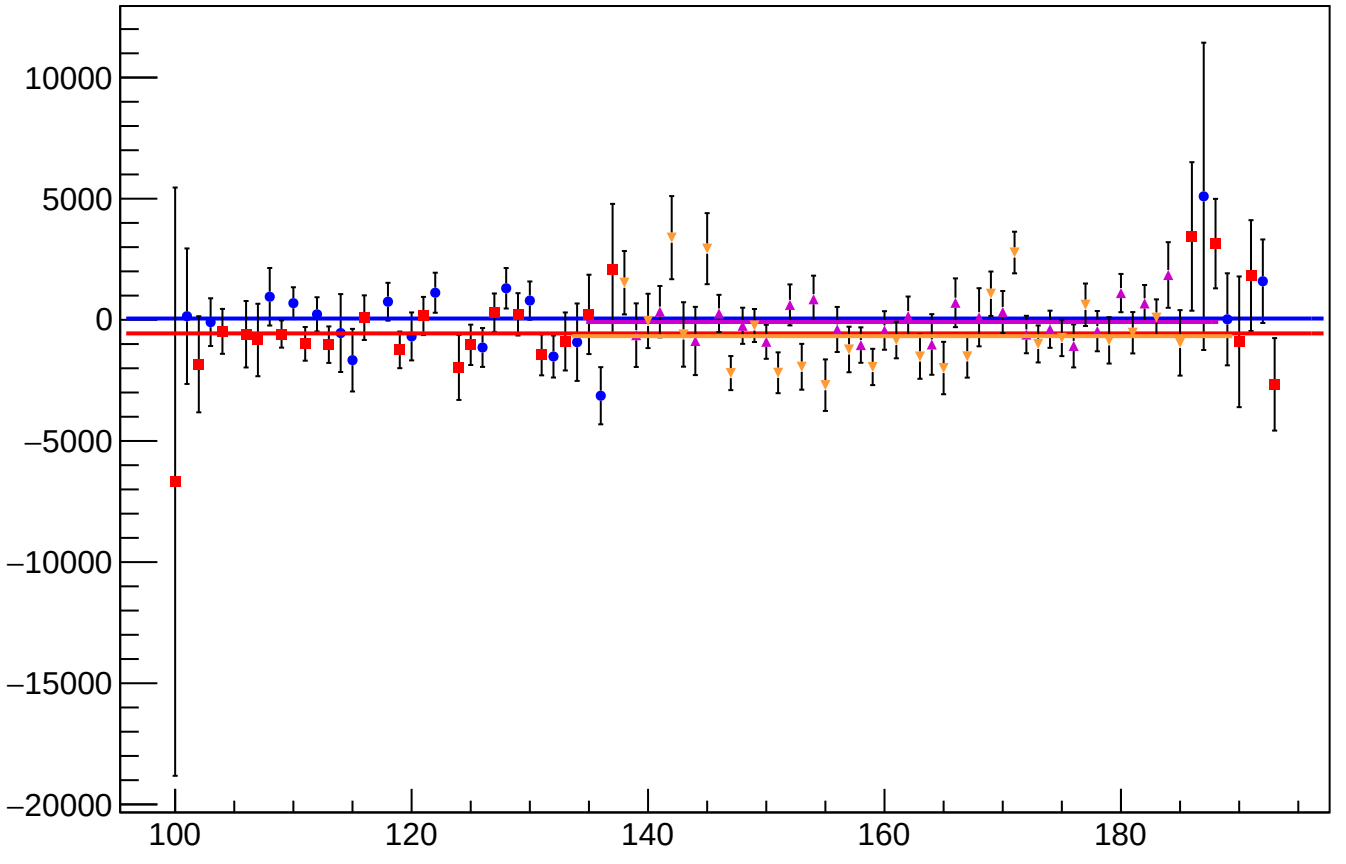
Right Out: 2805.337+/-0.636 χ^2/NDF: 477830.8/23

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.692+/-0.369 χ^2/NDF: 754664.2/43

All: 2758.283+/-0.261 χ^2/NDF: 1243090.0/90

- sign 2761.875+/-0.369 χ^2/NDF: 488235.9/46



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: -560.403+/-211.069 χ^2/NDF: 17.4/23

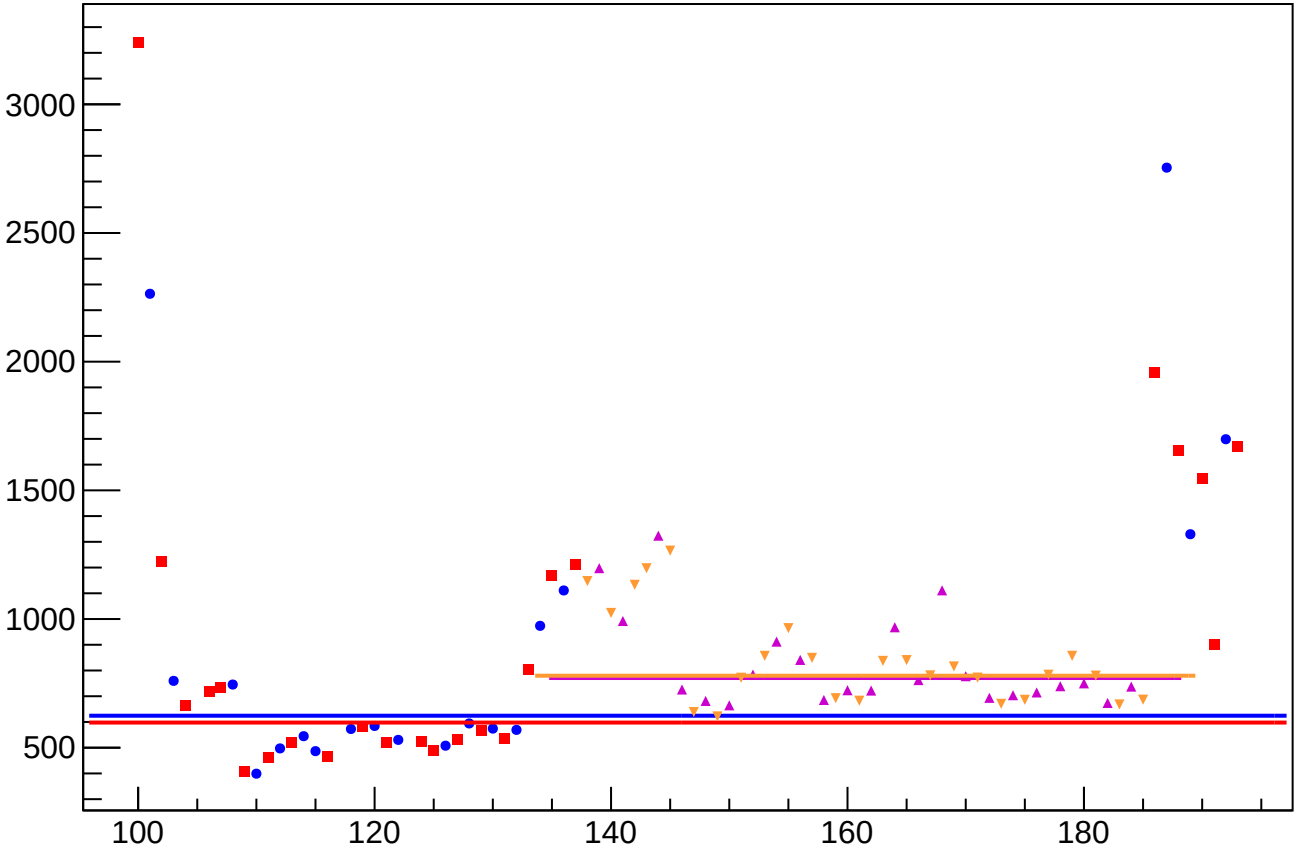
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

\+ sign -394.415+/-142.237 χ^2/NDF: 88.7/43

All: -341.944+/-99.221 χ^2/NDF: 124.0/90

\- sign -292.208+/-138.479 χ^2/NDF: 35.0/46

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: 597.694+/-0.149 χ^2/NDF: 3161918.7/23

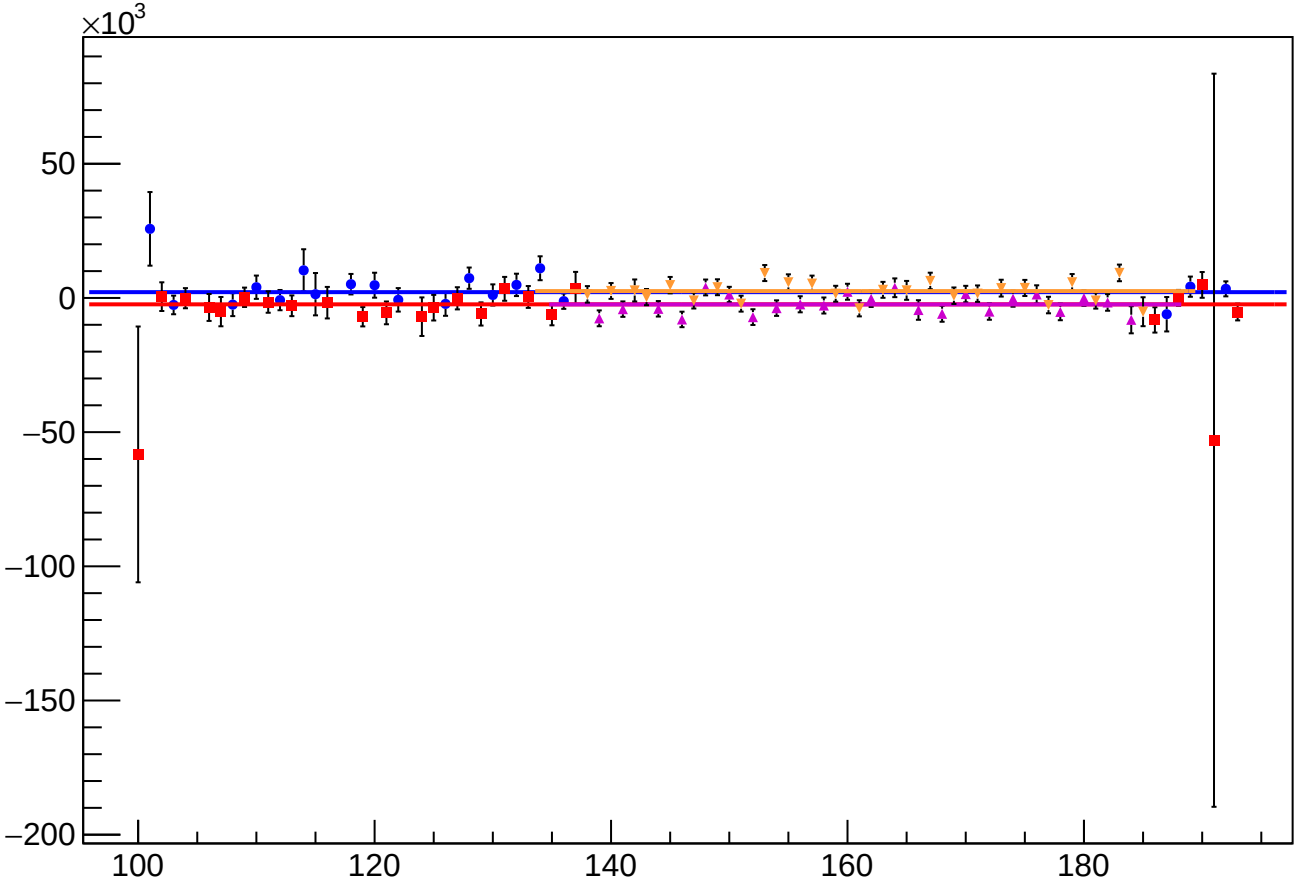
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 720.021+/-0.101 χ^2/NDF: 4694388.0/43

All: 707.835+/-0.070 χ^2/NDF: 9727412.8/90

- sign 696.284+/-0.098 χ^2/NDF: 5004429.0/46

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: -2379.116+/-900.481 χ^2/NDF: 16.2/23

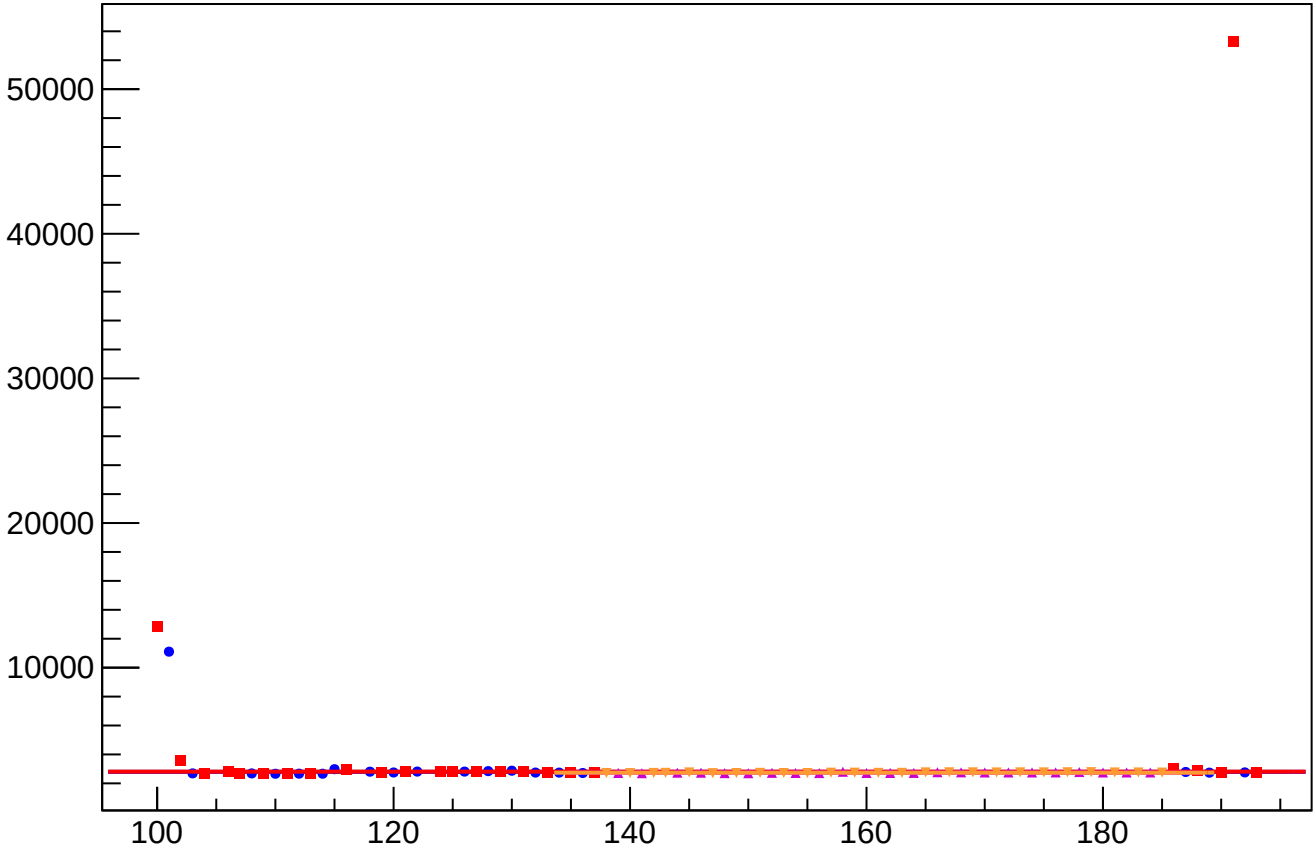
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2440.082+/-521.164 χ^2/NDF: 51.6/43

All: 22.368+/-368.643 χ^2/NDF: 142.3/90

- sign -2398.618+/-521.517 χ^2/NDF: 47.6/46

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: 2809.412+/-0.637 χ^2/NDF: 477259.0/23

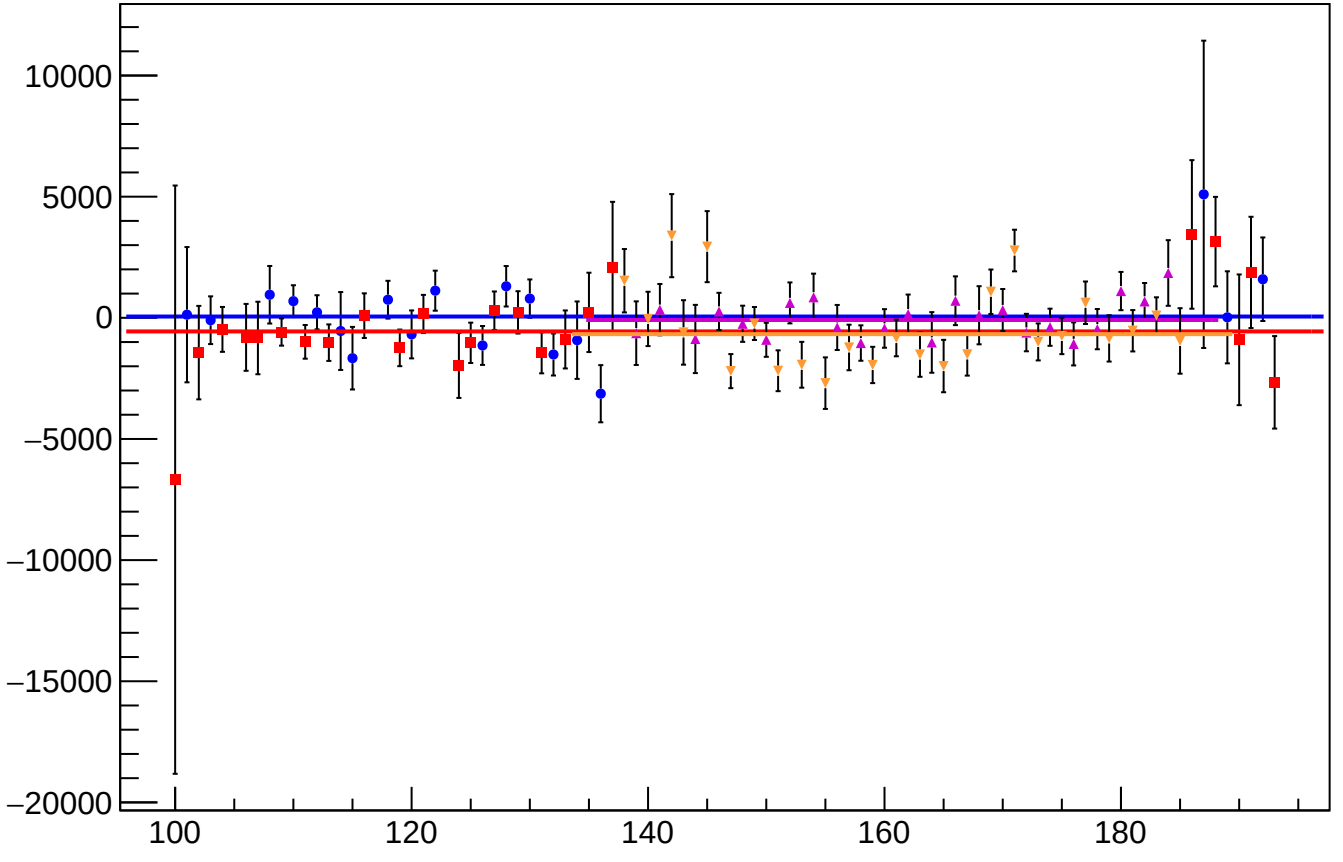
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.692+/-0.369 χ^2/NDF: 754663.3/43

All: 2758.939+/-0.261 χ^2/NDF: 1243478.9/90

- sign 2763.191+/-0.369 χ^2/NDF: 488549.8/46

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: -561.242+/-211.033 χ^2/NDF: 17.3/23

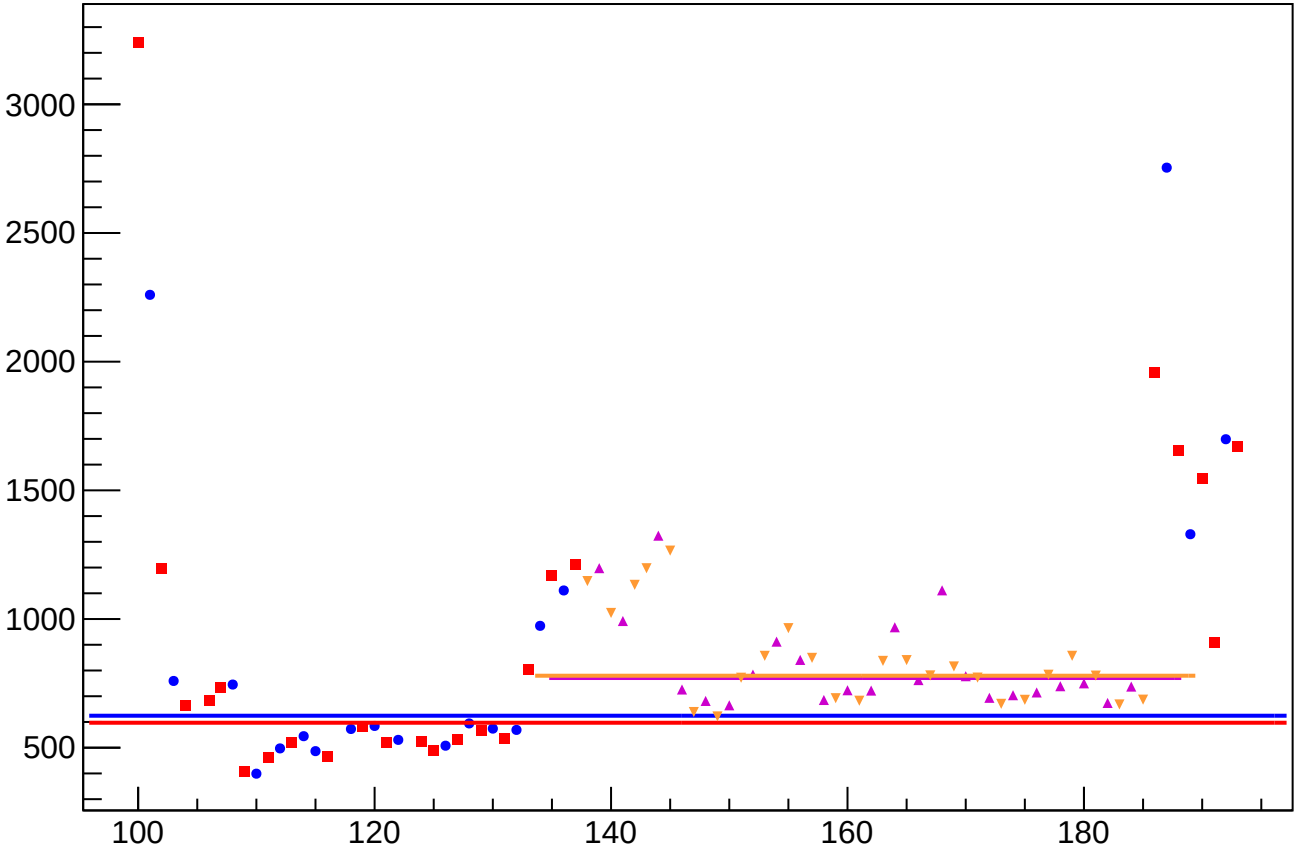
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -394.362+/-142.234 χ^2/NDF: 88.8/43

All: -342.158+/-99.217 χ^2/NDF: 123.9/90

- sign -292.681+/-138.469 χ^2/NDF: 34.9/46

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: 597.001+/-0.149 χ^2/NDF: 3150876.7/23

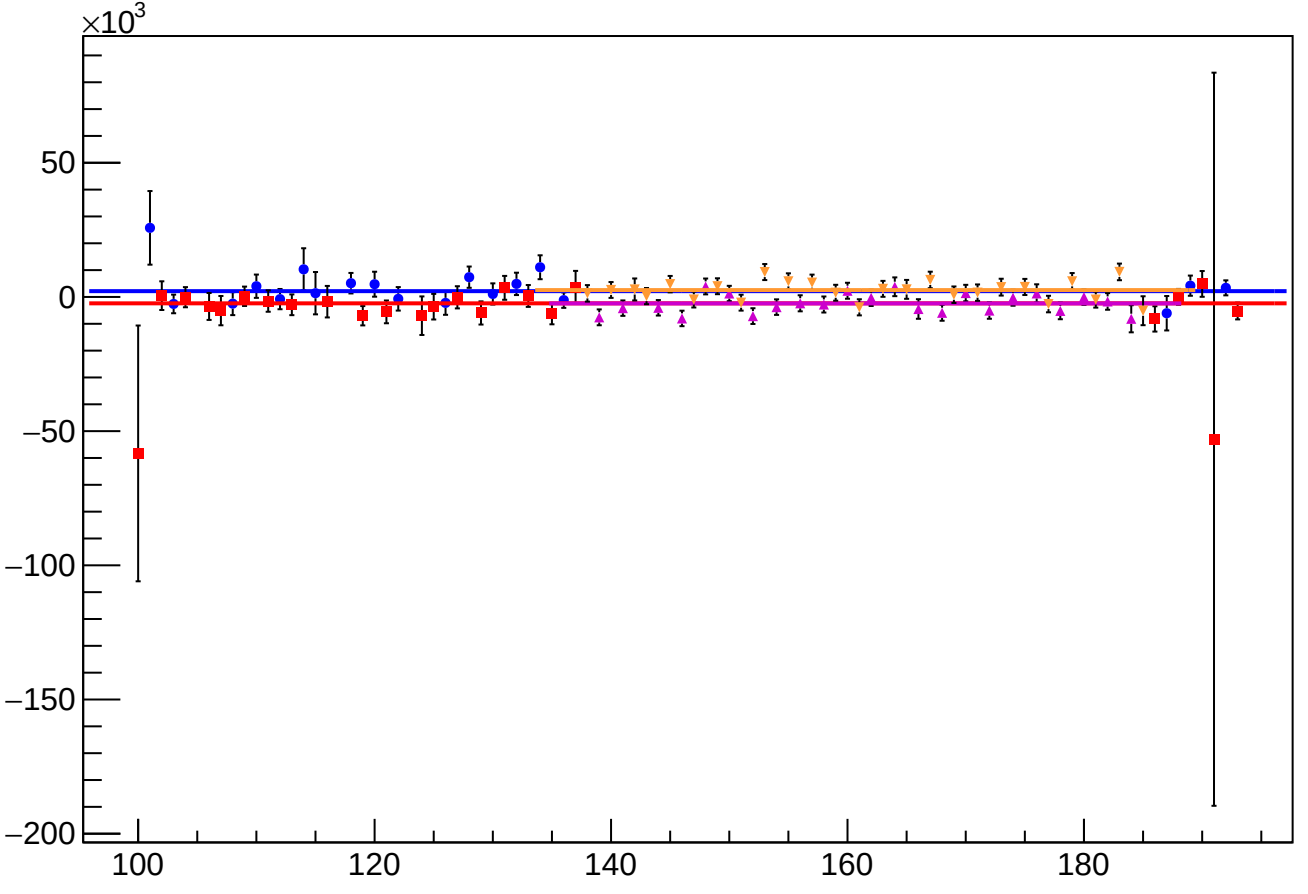
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 720.015+/-0.101 χ^2/NDF: 4693453.8/43

All: 707.672+/-0.070 χ^2/NDF: 9722440.2/90

- sign 695.973+/-0.098 χ^2/NDF: 4999649.9/46

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: -2379.116+/-900.481 χ^2/NDF: 16.2/23

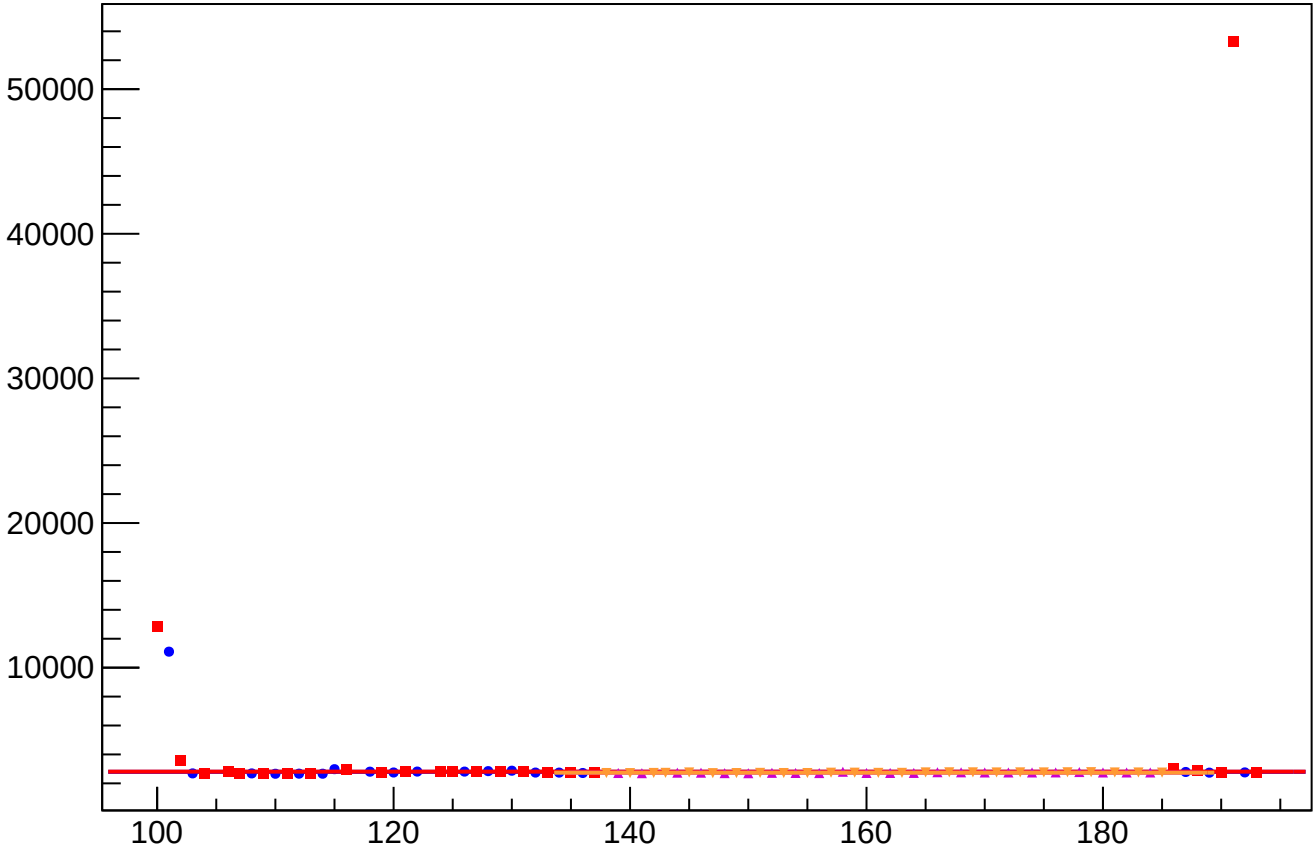
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2440.082+/-521.164 χ^2/NDF: 51.6/43

All: 22.368+/-368.643 χ^2/NDF: 142.3/90

- sign -2398.618+/-521.517 χ^2/NDF: 47.6/46

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: 2809.412+/-0.637 χ^2/NDF: 477259.0/23

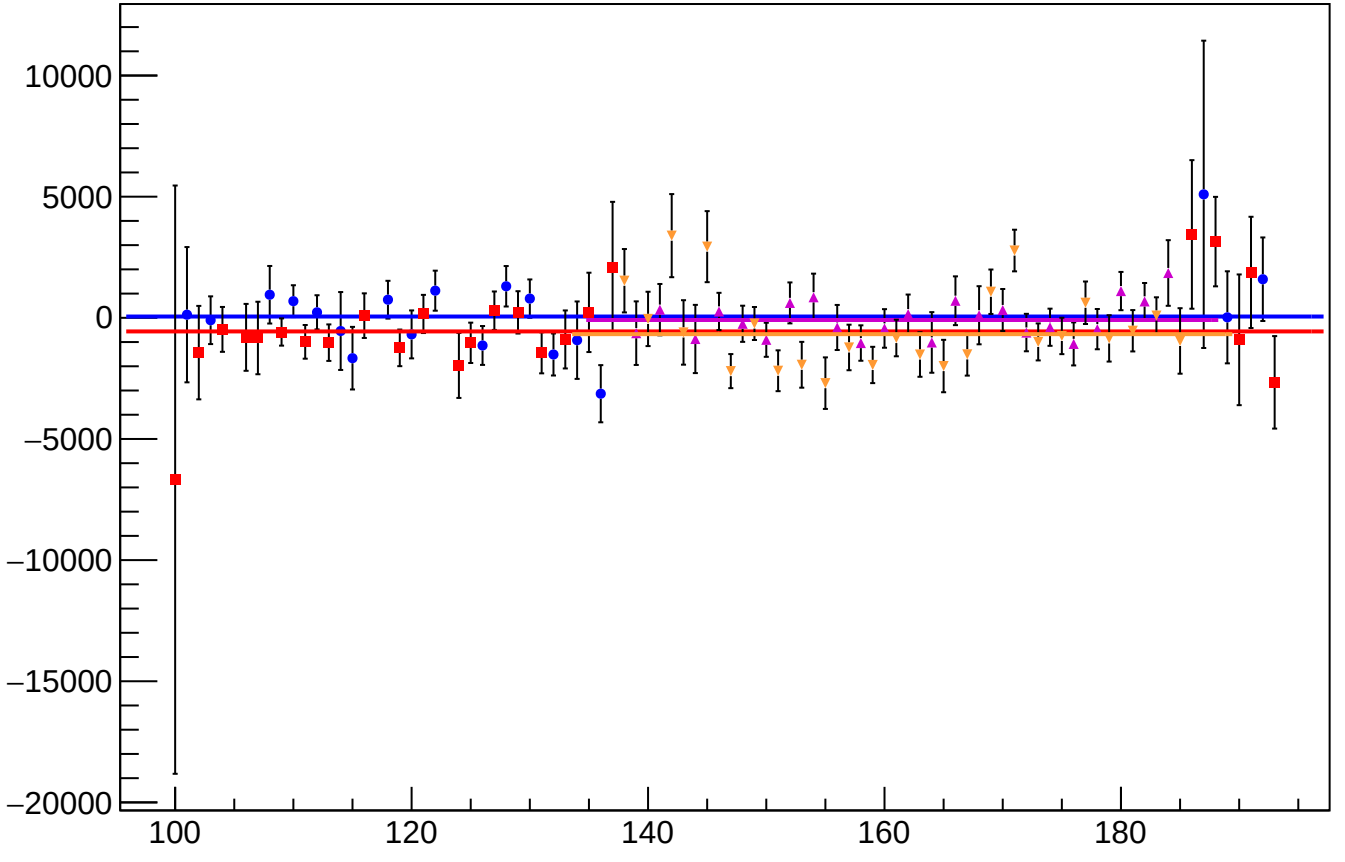
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.692+/-0.369 χ^2/NDF: 754663.3/43

All: 2758.939+/-0.261 χ^2/NDF: 1243478.9/90

- sign 2763.191+/-0.369 χ^2/NDF: 488549.8/46

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: -561.242+/-211.033 χ^2/NDF: 17.3/23

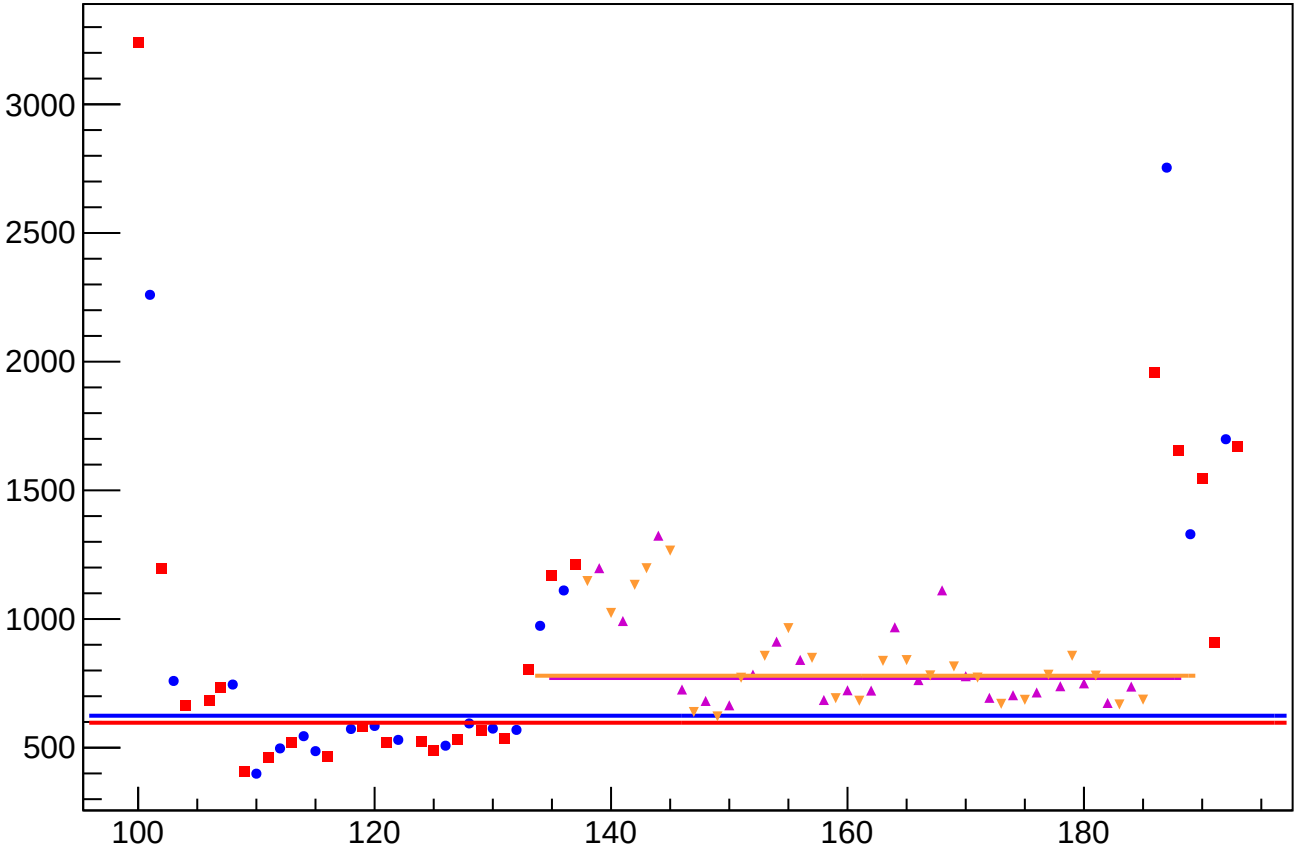
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -394.362+/-142.234 χ^2/NDF: 88.8/43

All: -342.158+/-99.217 χ^2/NDF: 123.9/90

- sign -292.681+/-138.469 χ^2/NDF: 34.9/46

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: 597.001+/-0.149 χ^2/NDF: 3150876.7/23

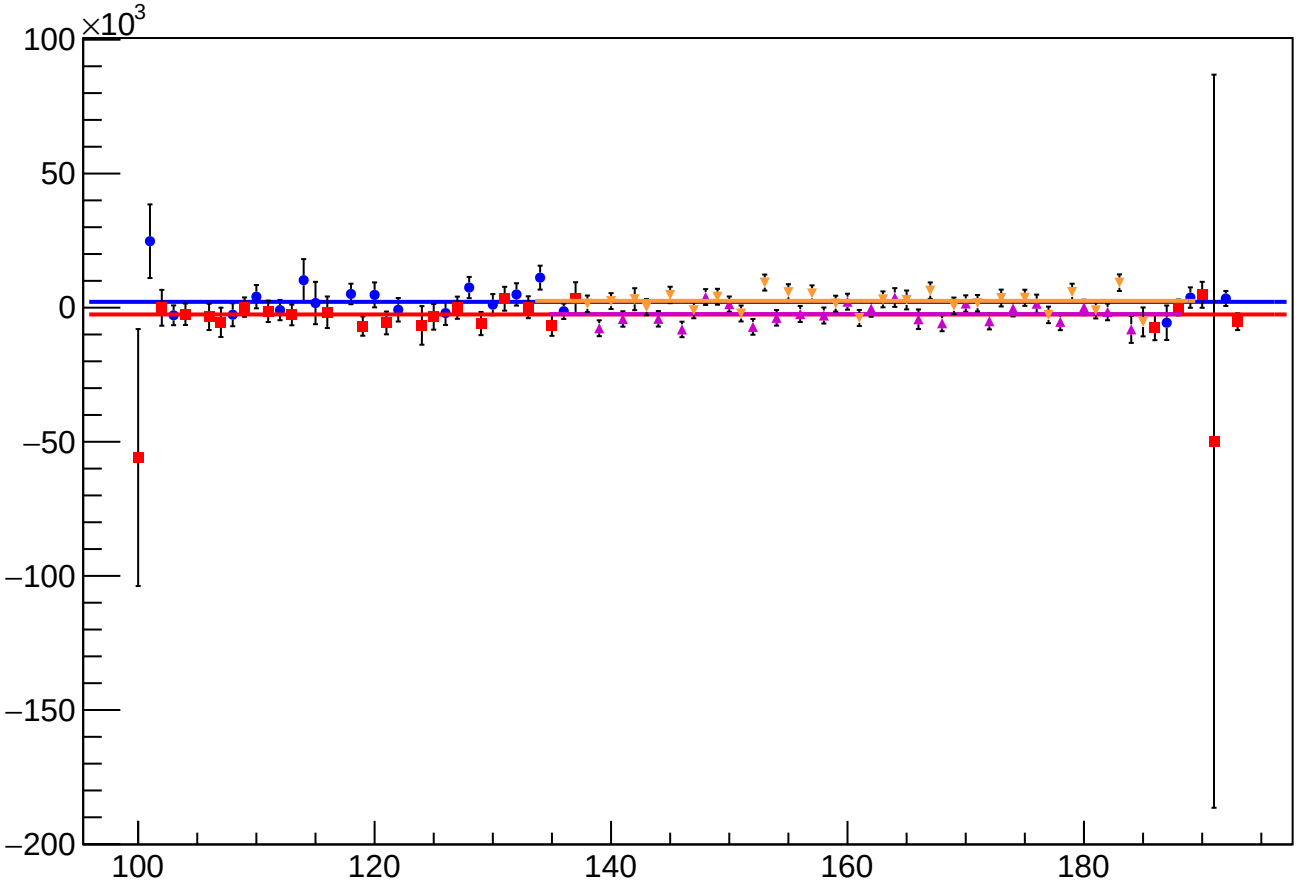
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 720.015+/-0.101 χ^2/NDF: 4693453.8/43

All: 707.672+/-0.070 χ^2/NDF: 9722440.2/90

- sign 695.973+/-0.098 χ^2/NDF: 4999649.9/46

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: -2528.954+/-908.866 χ^2/NDF: 14.9/23

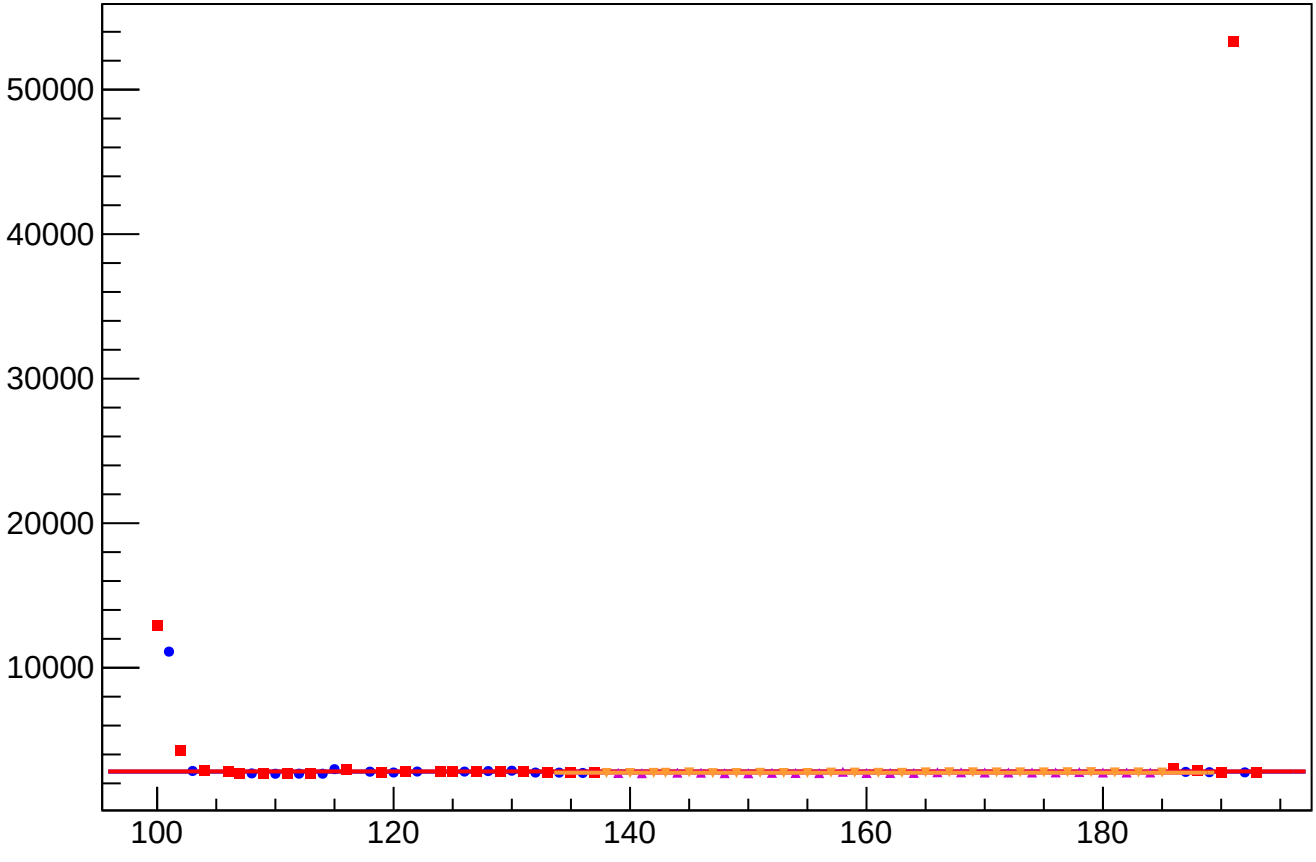
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2434.214+/-522.339 χ^2/NDF: 51.7/43

All: -1.954+/-369.698 χ^2/NDF: 142.1/90

- sign -2447.339+/-523.326 χ^2/NDF: 46.8/46

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: 2826.149+/-0.643 χ^2/NDF: 530387.7/23

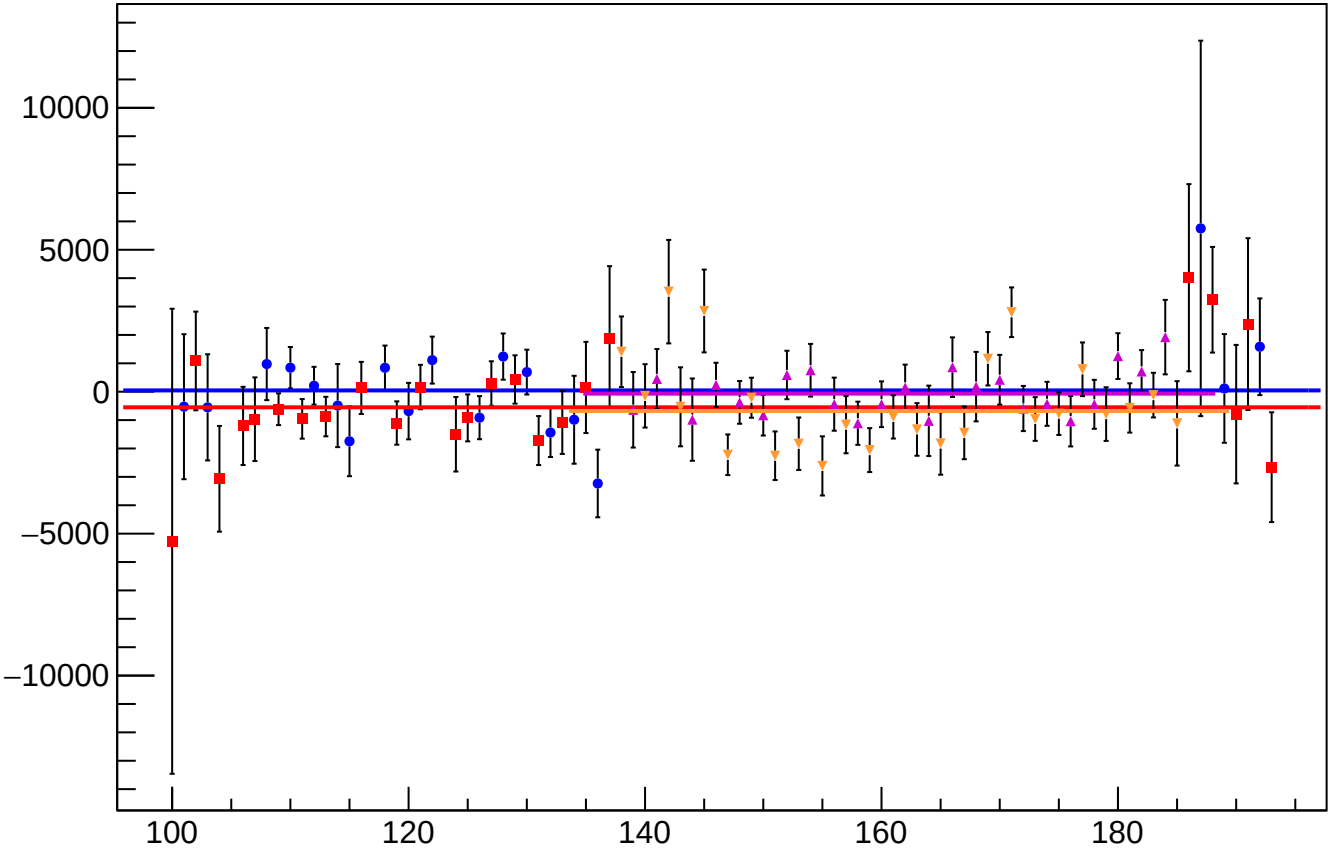
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.867+/-0.369 χ^2/NDF: 755464.8/43

All: 2765.172+/-0.261 χ^2/NDF: 1301121.3/90

- sign 2769.492+/-0.370 χ^2/NDF: 545384.3/46

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: -549.694+/-212.510 χ^2/NDF: 20.4/23

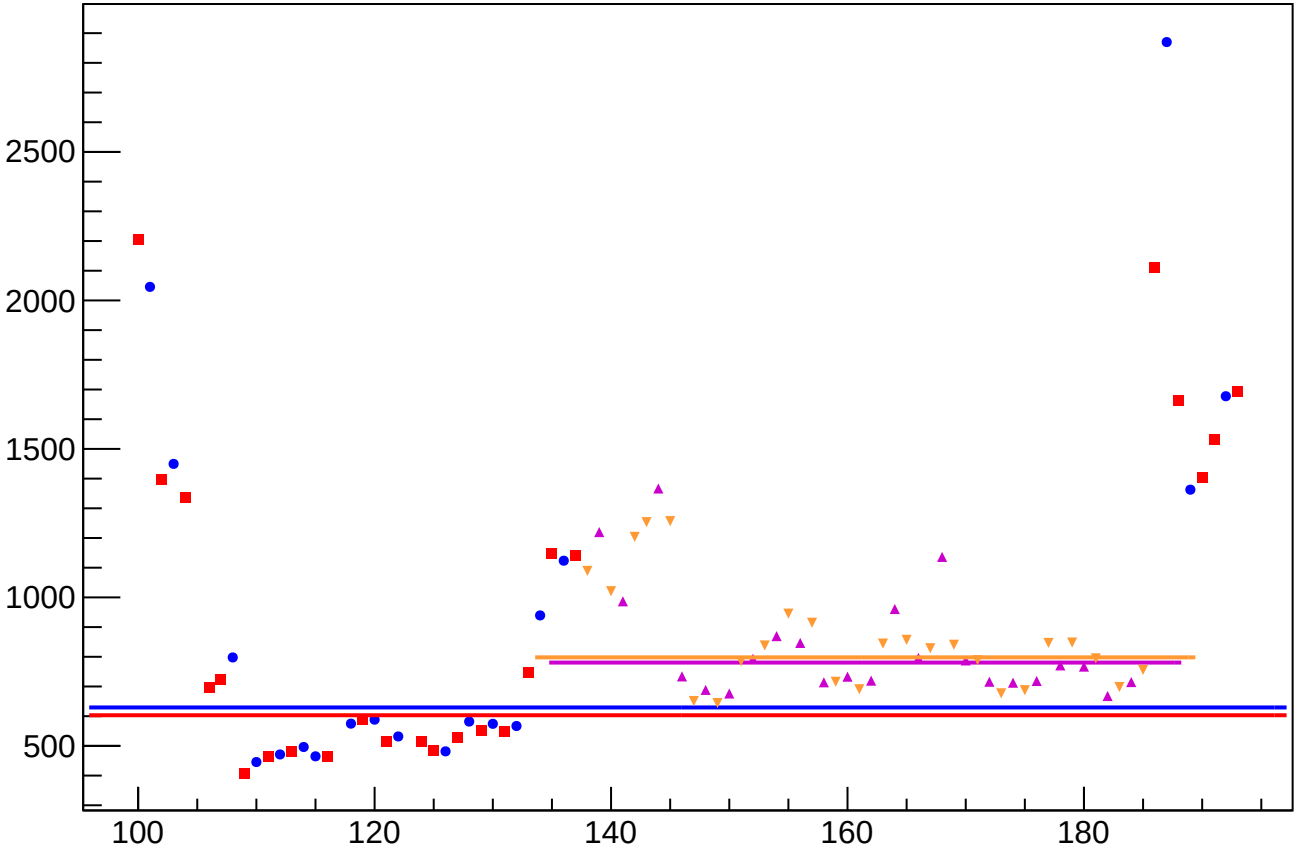
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

\+ sign -398.838+/-144.954 χ^2/NDF: 86.5/43

All: -335.031+/-100.597 χ^2/NDF: 126.1/90

\- sign -275.747+/-139.721 χ^2/NDF: 39.2/46

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: 603.179+/-0.150 χ^2/NDF: 3823506.0/23

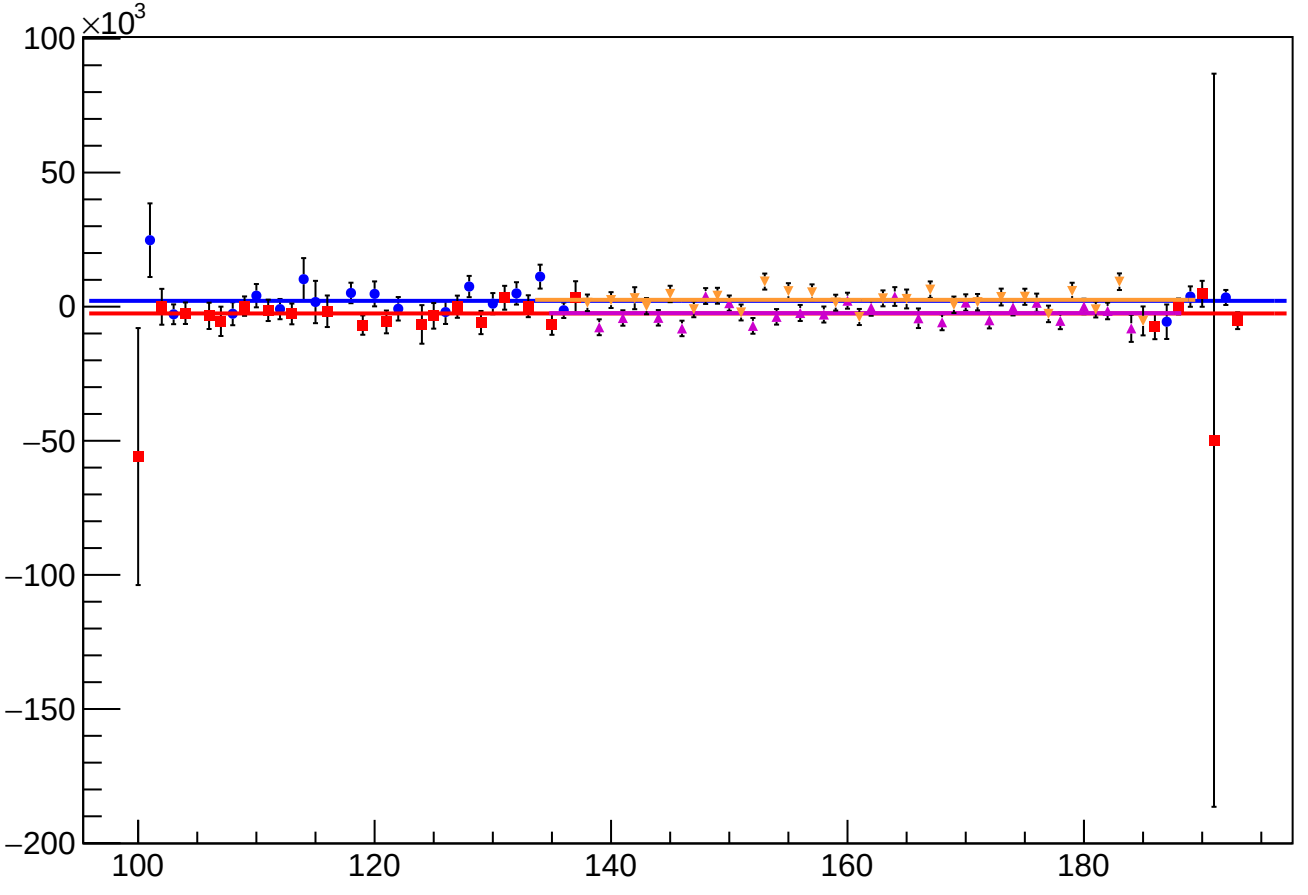
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 732.960+/-0.102 χ^2/NDF: 4985808.7/43

All: 717.877+/-0.071 χ^2/NDF: 10706693.3/90

- sign 703.862+/-0.099 χ^2/NDF: 5679107.2/46

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: -2528.950+/-908.866 χ^2/NDF: 14.9/23

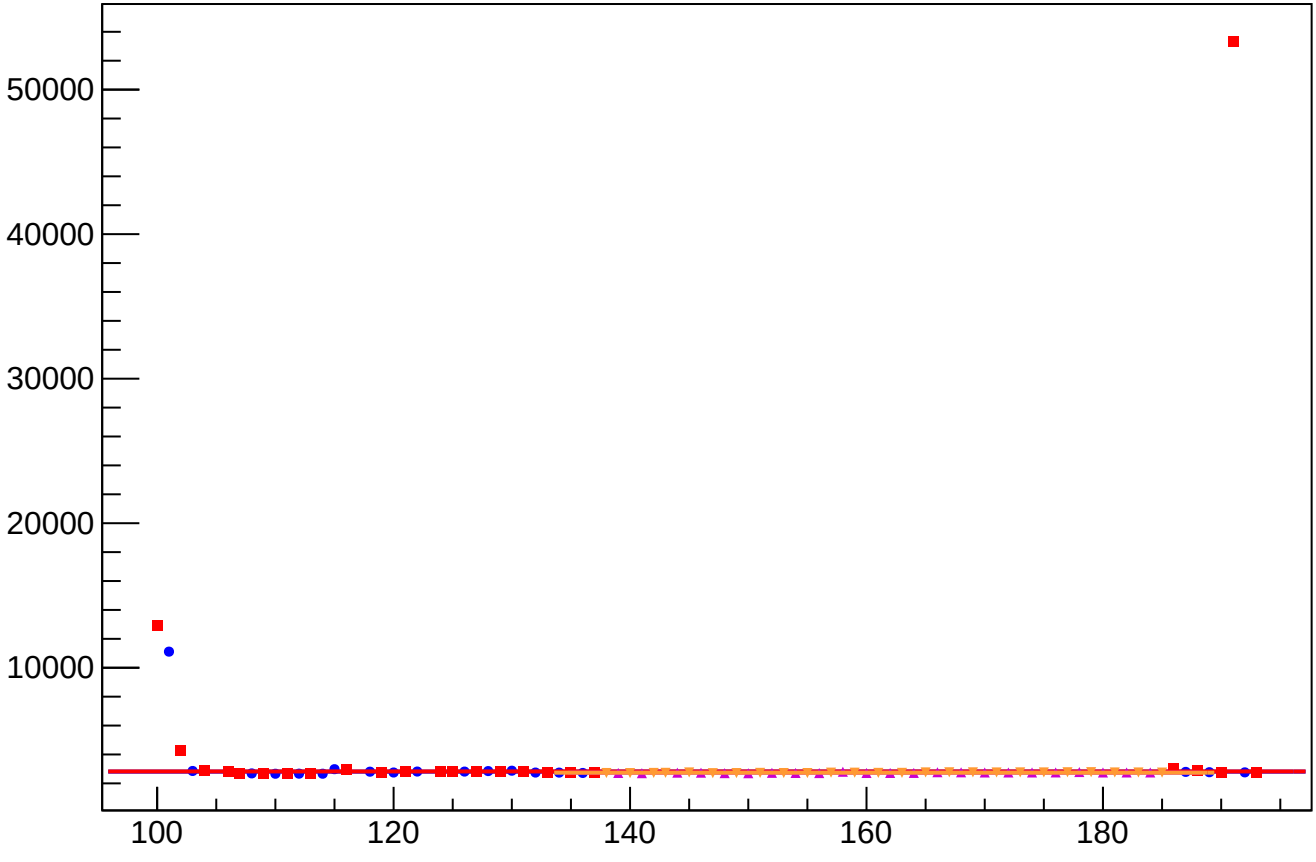
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2434.214+/-522.339 χ^2/NDF: 51.7/43

All: -1.953+/-369.698 χ^2/NDF: 142.1/90

- sign -2447.337+/-523.326 χ^2/NDF: 46.8/46

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: 2826.149+/-0.643 χ^2/NDF: 530387.5/23

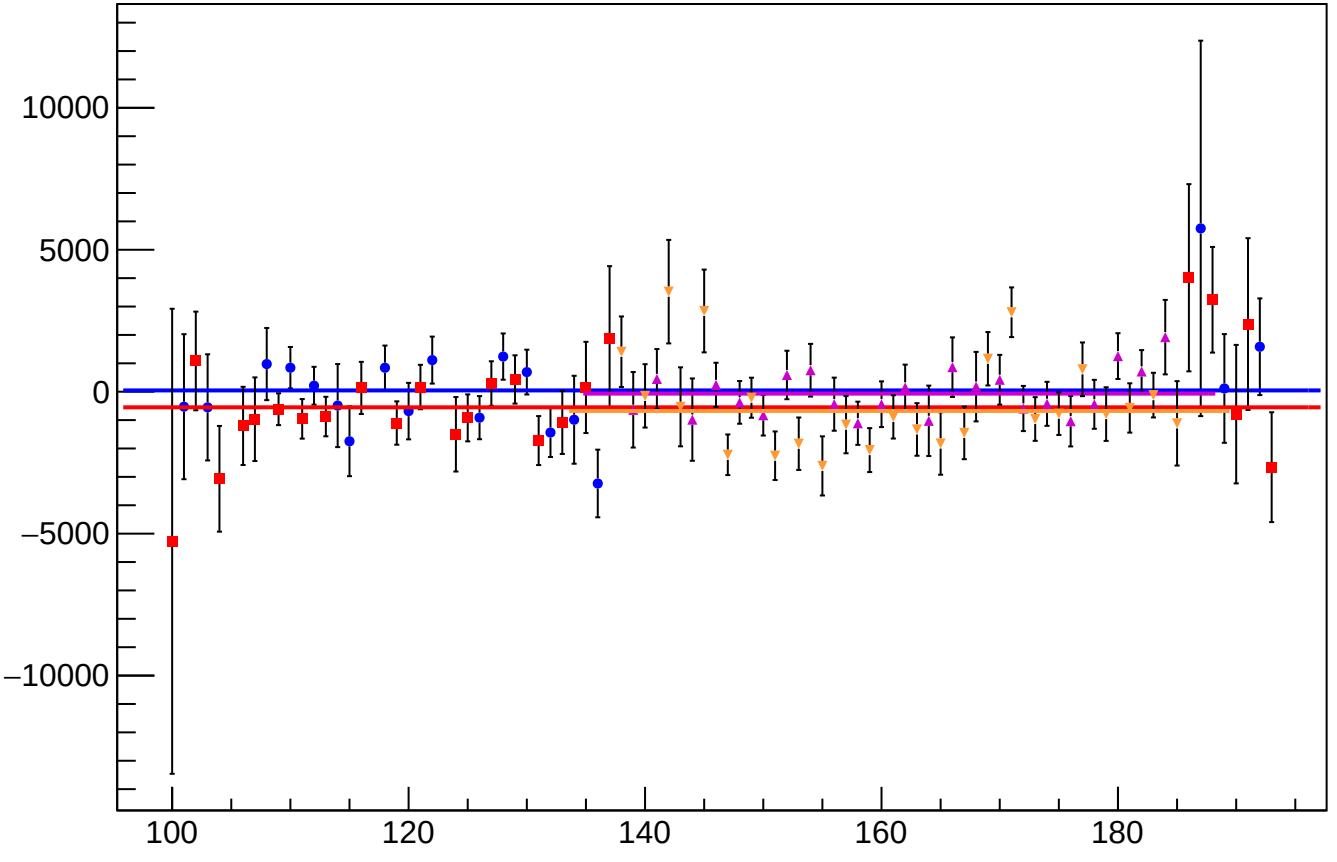
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.867+/-0.369 χ^2/NDF: 755464.8/43

All: 2765.172+/-0.261 χ^2/NDF: 1301121.0/90

- sign 2769.492+/-0.370 χ^2/NDF: 545384.1/46

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: -549.694+/-212.510 χ^2/NDF: 20.4/23

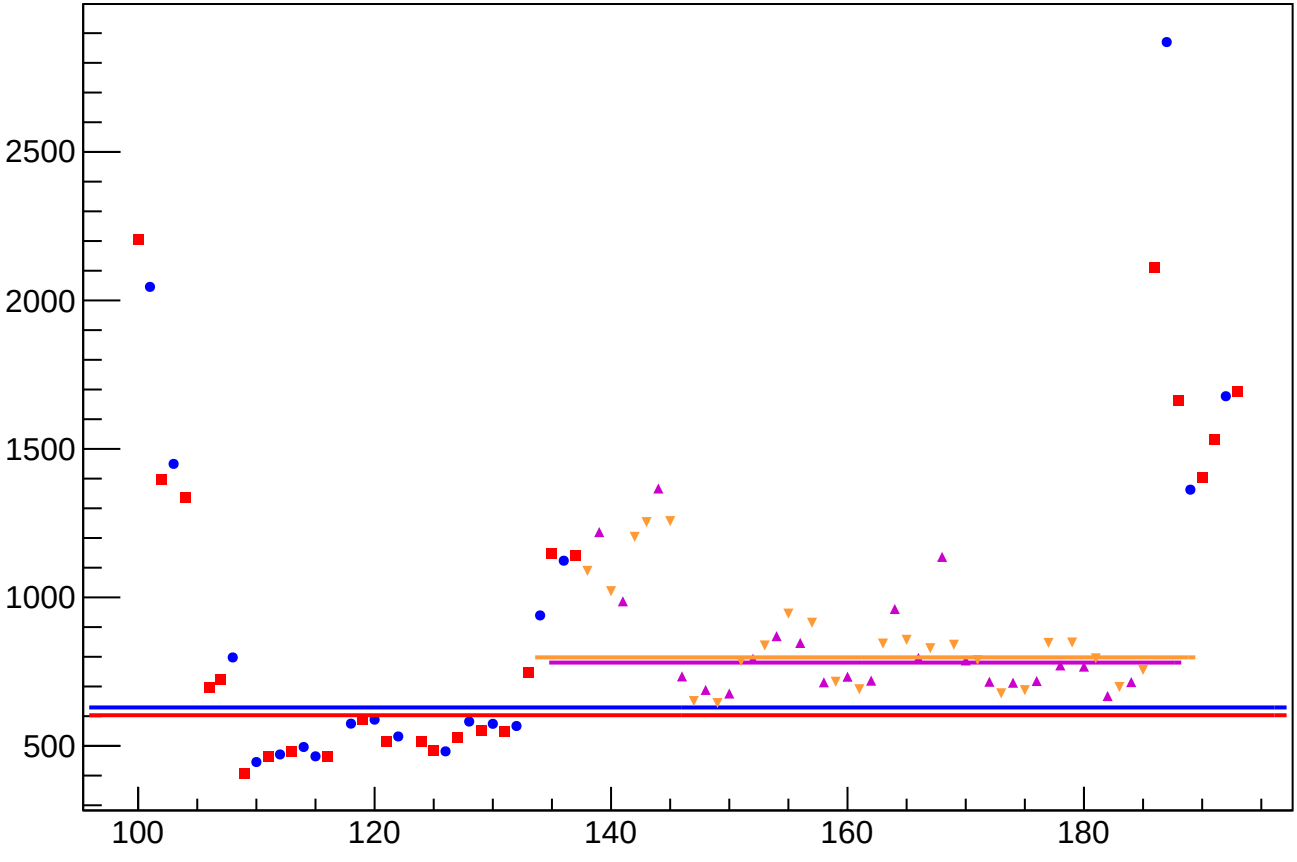
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -398.839+/-144.954 χ^2/NDF: 86.5/43

All: -335.031+/-100.597 χ^2/NDF: 126.1/90

- sign -275.747+/-139.721 χ^2/NDF: 39.2/46

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: 603.179+/-0.150 χ^2/NDF: 3823504.2/23

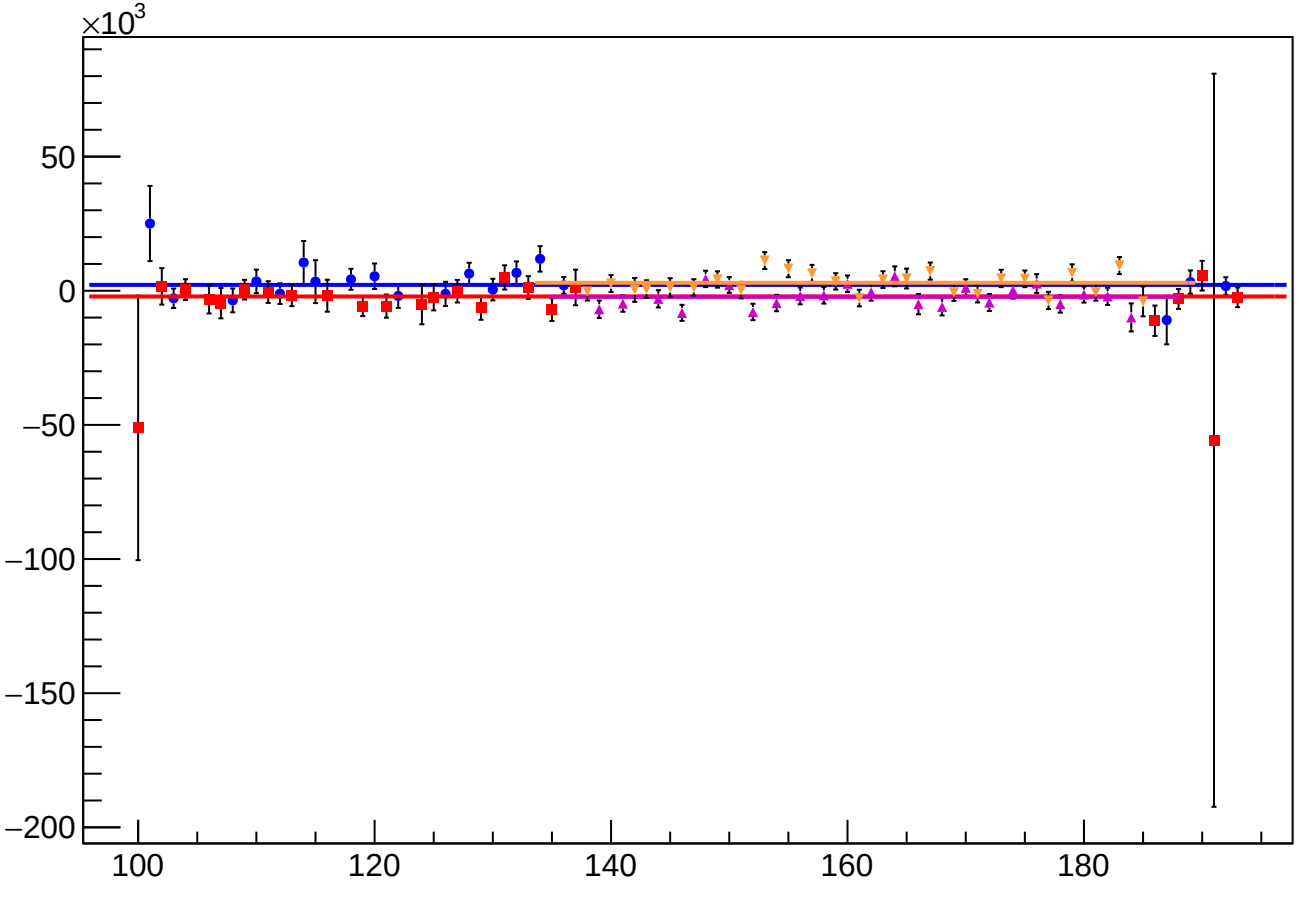
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 732.960+/-0.102 χ^2/NDF: 4985802.3/43

All: 717.877+/-0.071 χ^2/NDF: 10706686.2/90

- sign 703.862+/-0.099 χ^2/NDF: 5679105.9/46

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: -2128.979+/-964.017 χ^2/NDF: 15.1/23

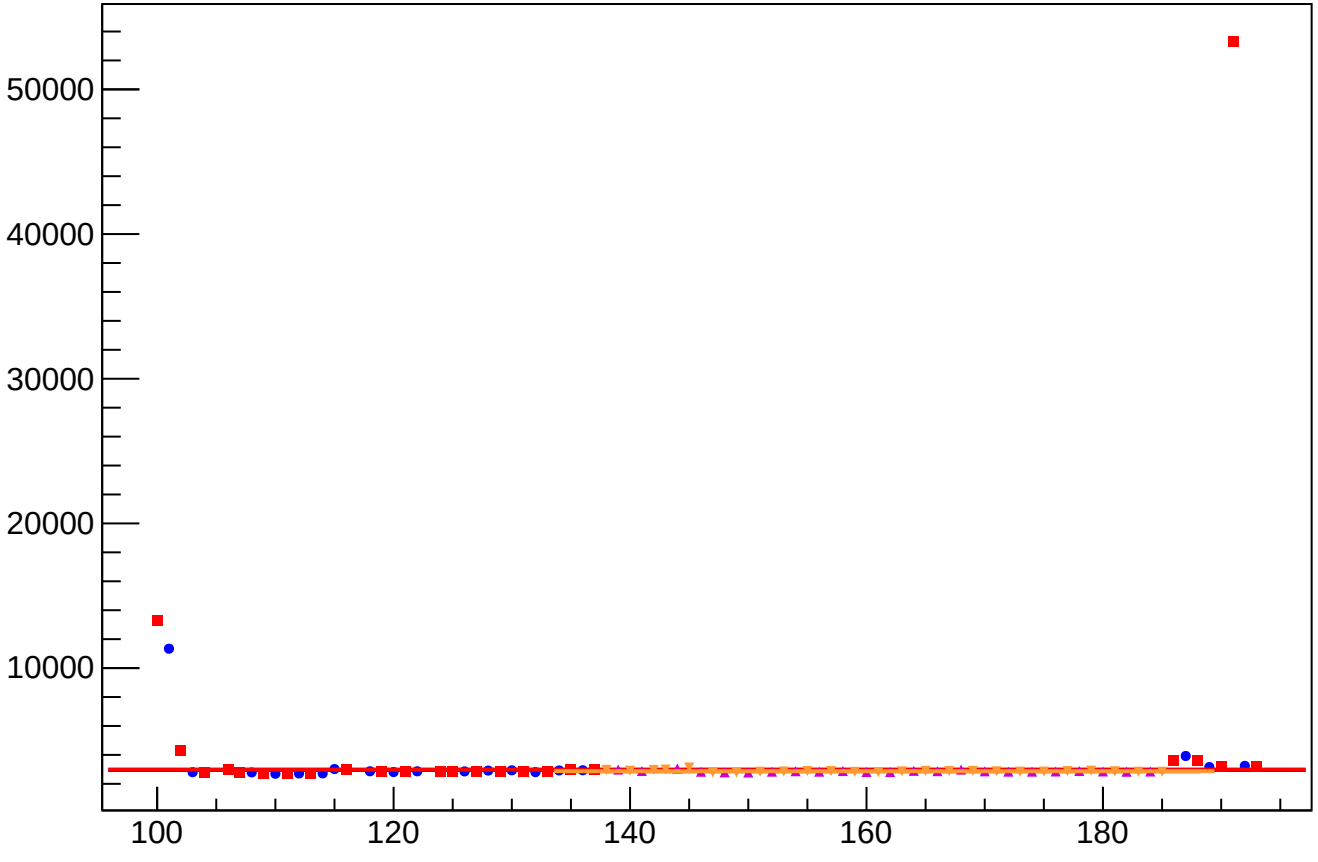
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

\+ sign 2739.942+/-549.005 χ^2/NDF: 55.2/43

All: 274.970+/-388.681 χ^2/NDF: 144.5/90

\- sign -2202.127+/-550.354 χ^2/NDF: 48.9/46

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

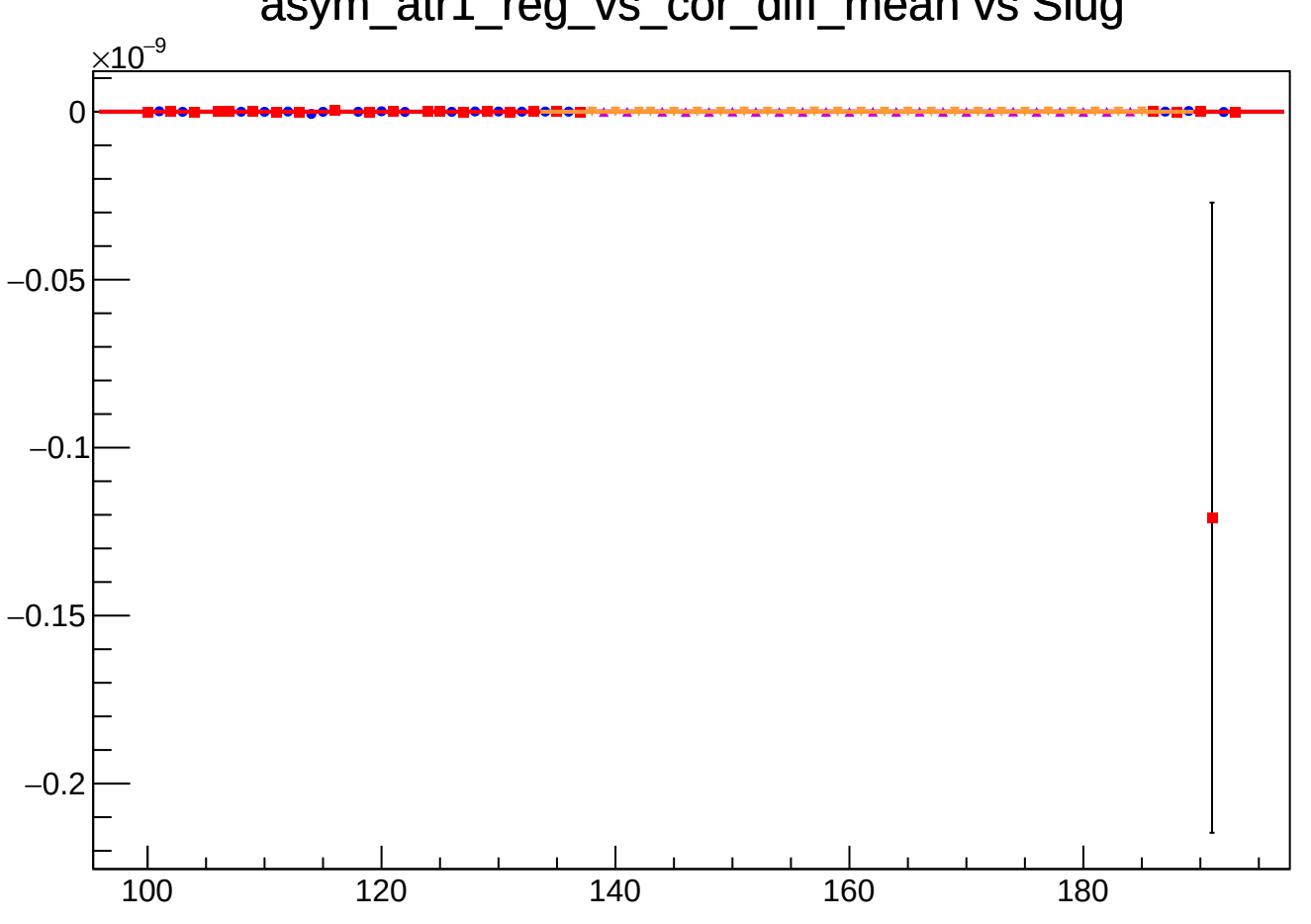
Right Out: 2984.304+/-0.682 χ^2/NDF: 623257.9/23

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2899.637+/-0.388 χ^2/NDF: 820819.8/43

All: 2903.488+/-0.275 χ^2/NDF: 1480865.8/90

- sign 2907.358+/-0.389 χ^2/NDF: 659848.7/46



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: 30.2/23

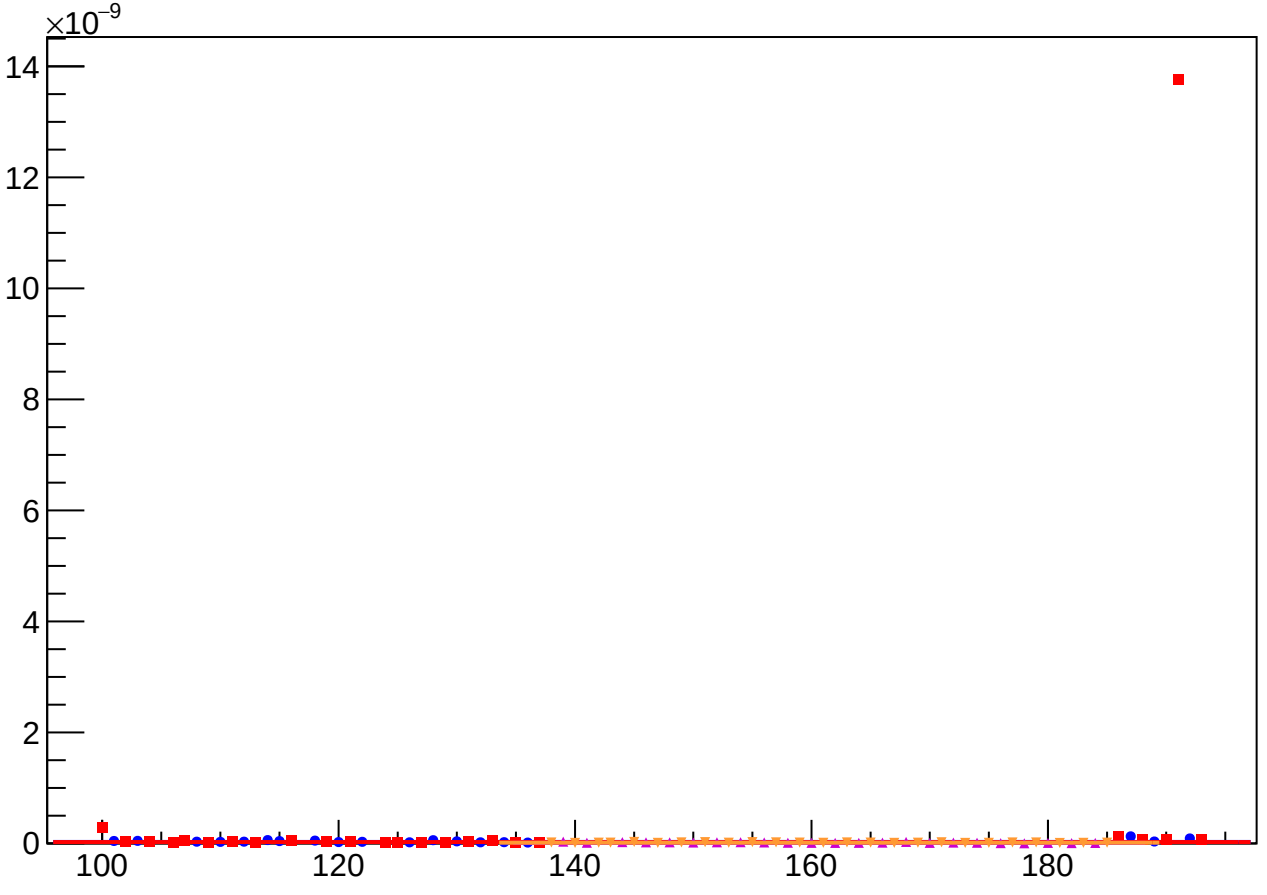
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.3/43

All: 0.000+/-0.000 χ^2/NDF: 89.1/90

- sign 0.000+/-0.000 χ^2/NDF: 58.8/46

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: 1602408.5/23

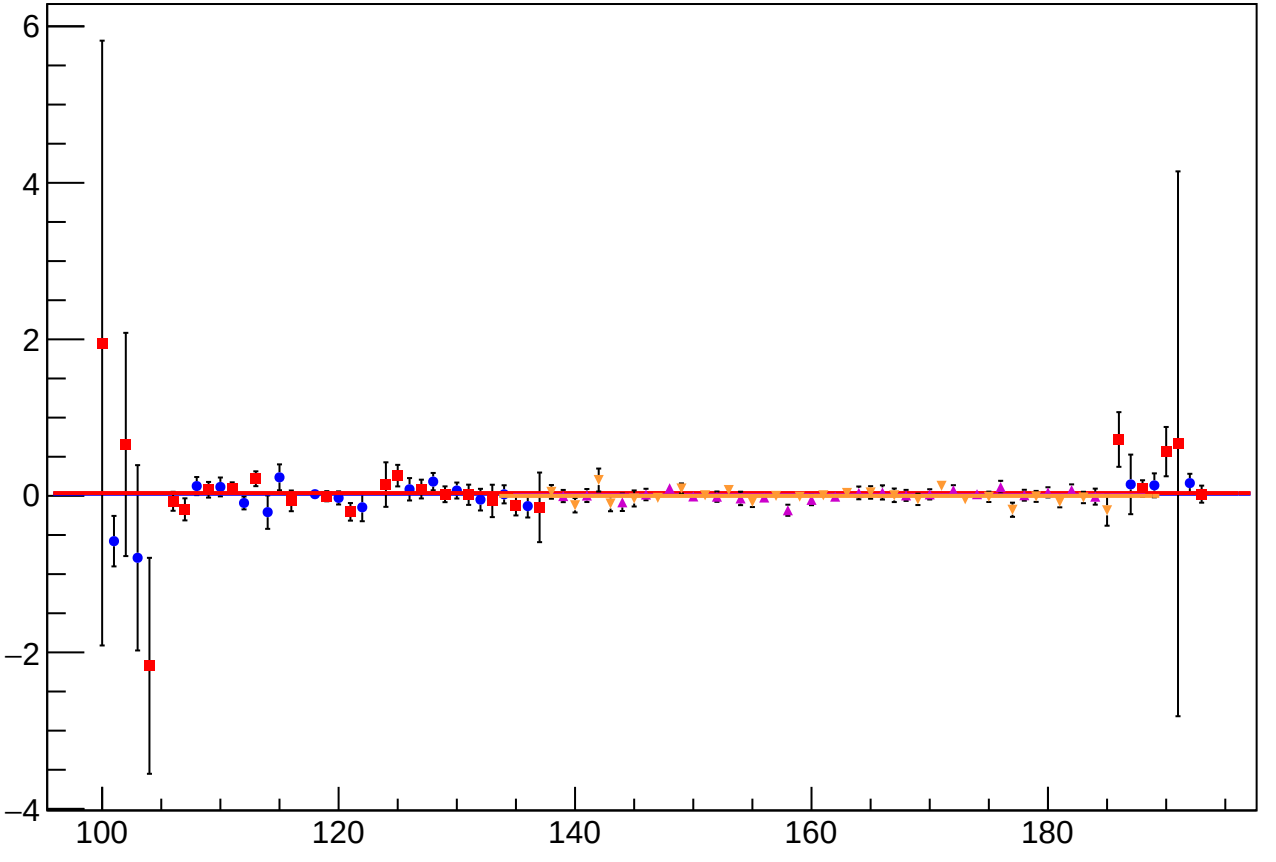
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 3829793.1/43

All: 0.000+/-0.000 χ^2/NDF: 10364388.6/90

- sign 0.000+/-0.000 χ^2/NDF: 6264726.7/46

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: 0.036+/-0.026 χ^2/NDF: 28.0/23

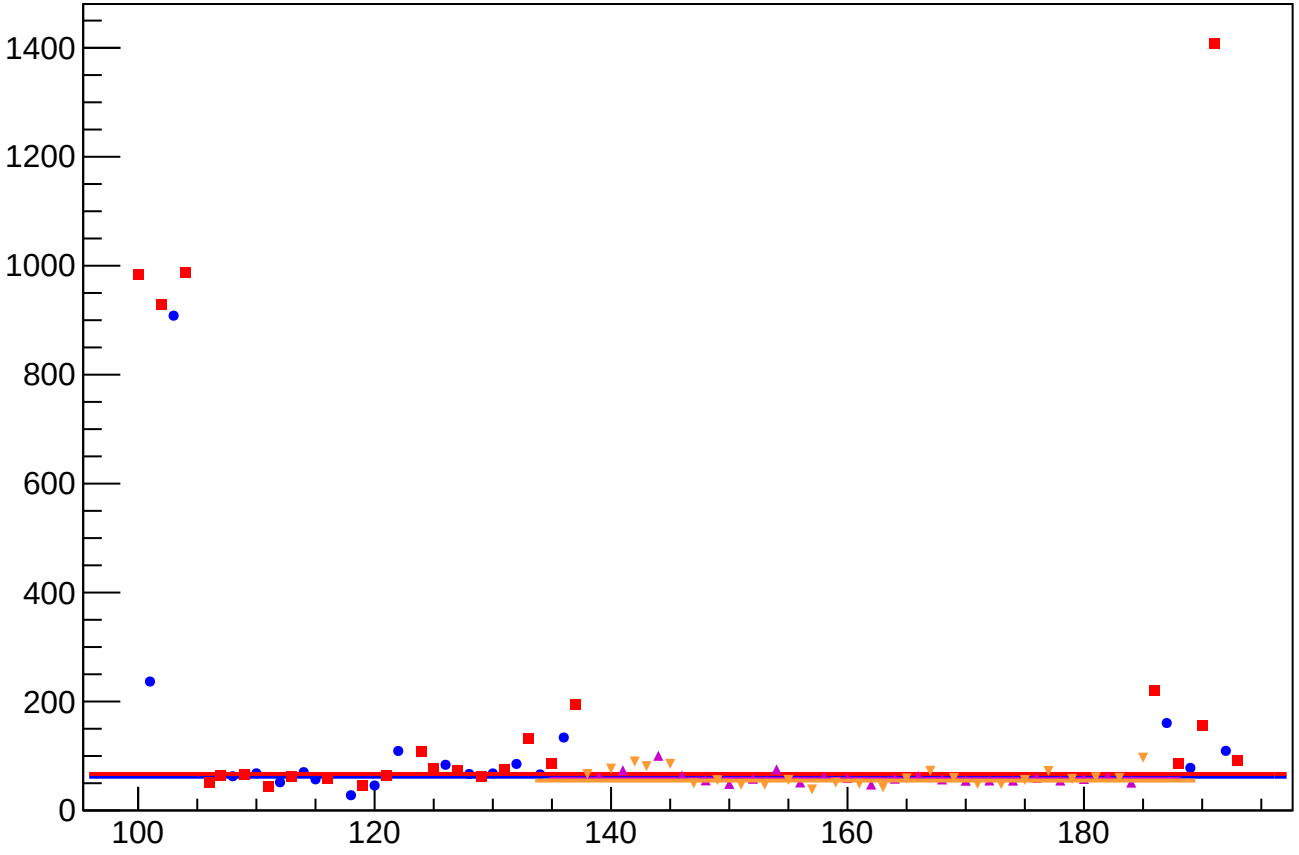
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.006+/-0.012 χ^2/NDF: 40.5/43

All: 0.010+/-0.009 χ^2/NDF: 85.1/90

- sign 0.015+/-0.013 χ^2/NDF: 44.3/46

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

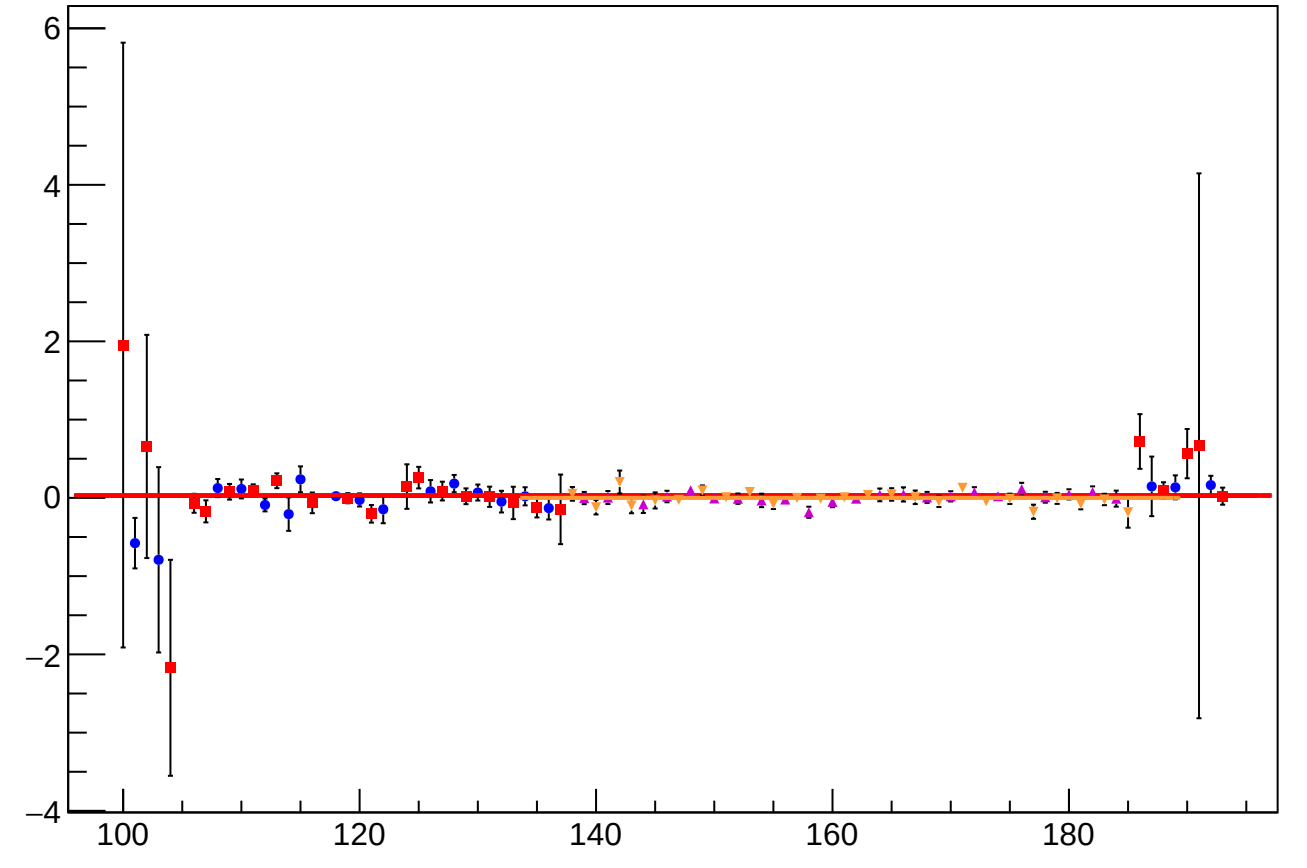
Right Out: 66.965+/-0.018 χ^2/NDF: 3696660.7/23

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 56.474+/-0.009 χ^2/NDF: 5177301.4/43

All: 58.314+/-0.006 χ^2/NDF: 9794402.2/90

- sign 60.289+/-0.009 χ^2/NDF: 4526598.8/46



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: 0.036+/-0.026 χ^2/NDF: 28.0/23

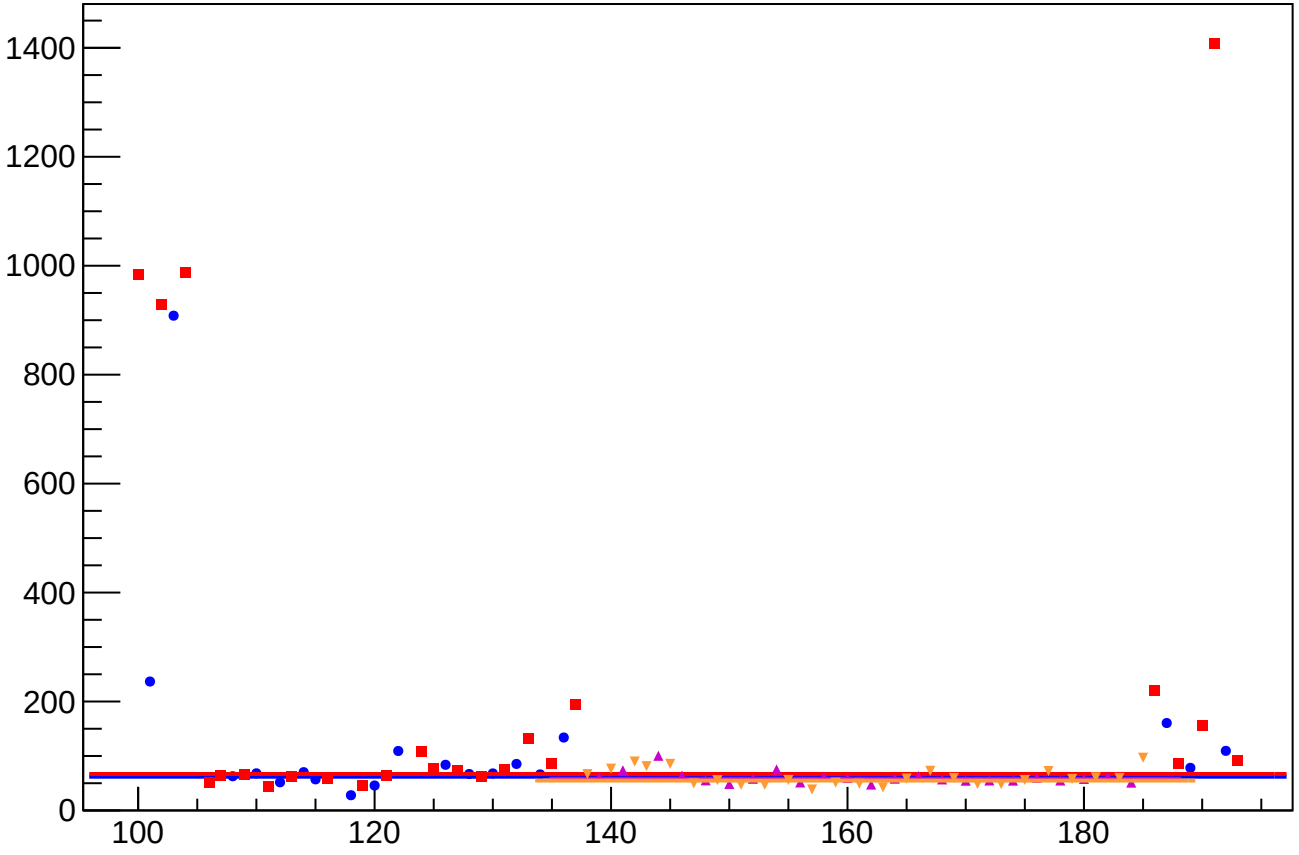
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.006+/-0.012 χ^2/NDF: 40.5/43

All: 0.010+/-0.009 χ^2/NDF: 85.1/90

- sign 0.015+/-0.013 χ^2/NDF: 44.3/46

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: 66.965+/-0.018 χ^2/NDF: 3696660.7/23

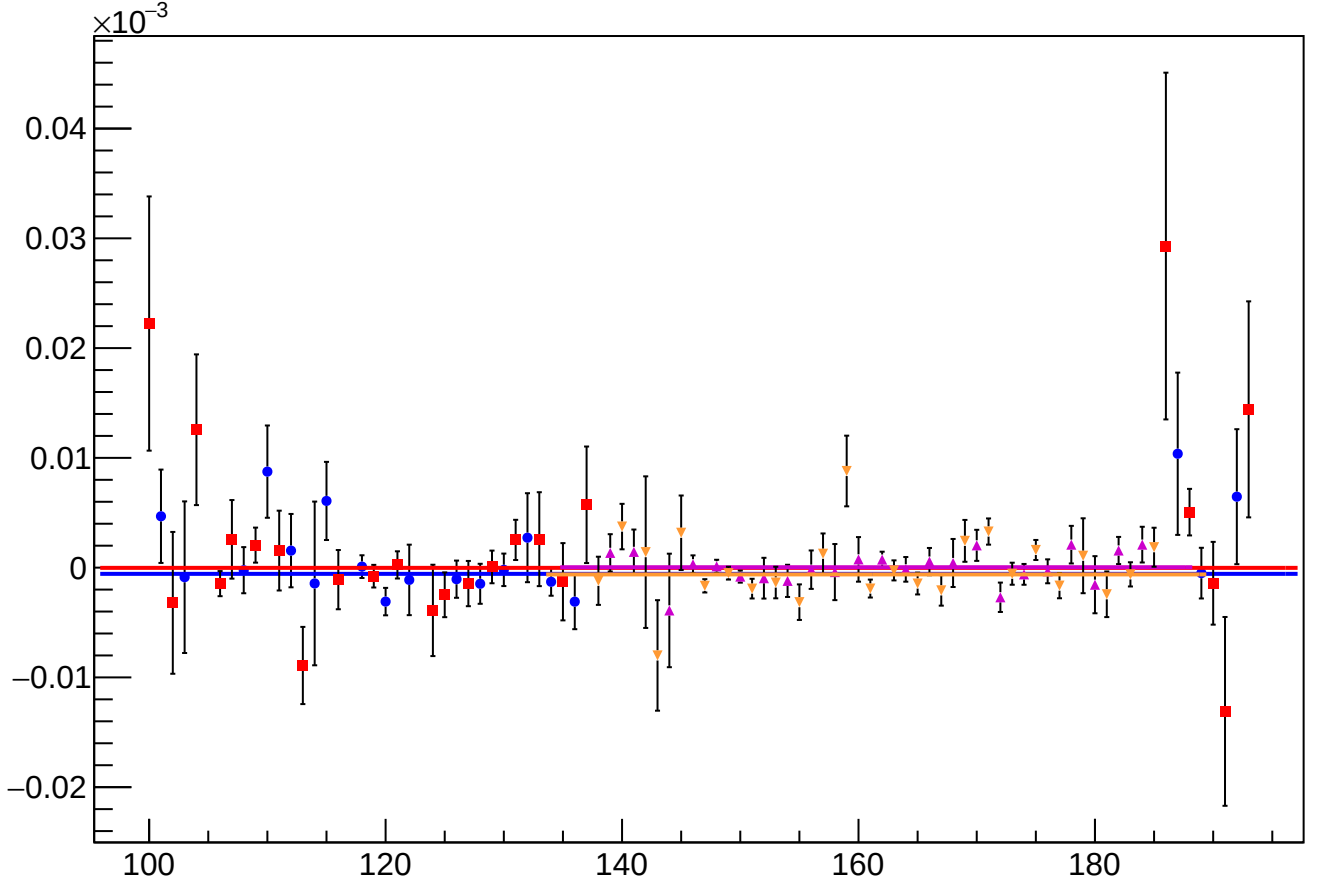
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

\+ sign 56.474+/-0.009 χ^2/NDF: 5177301.4/43

All: 58.314+/-0.006 χ^2/NDF: 9794402.2/90

\- sign 60.289+/-0.009 χ^2/NDF: 4526598.8/46

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: 38.6/23

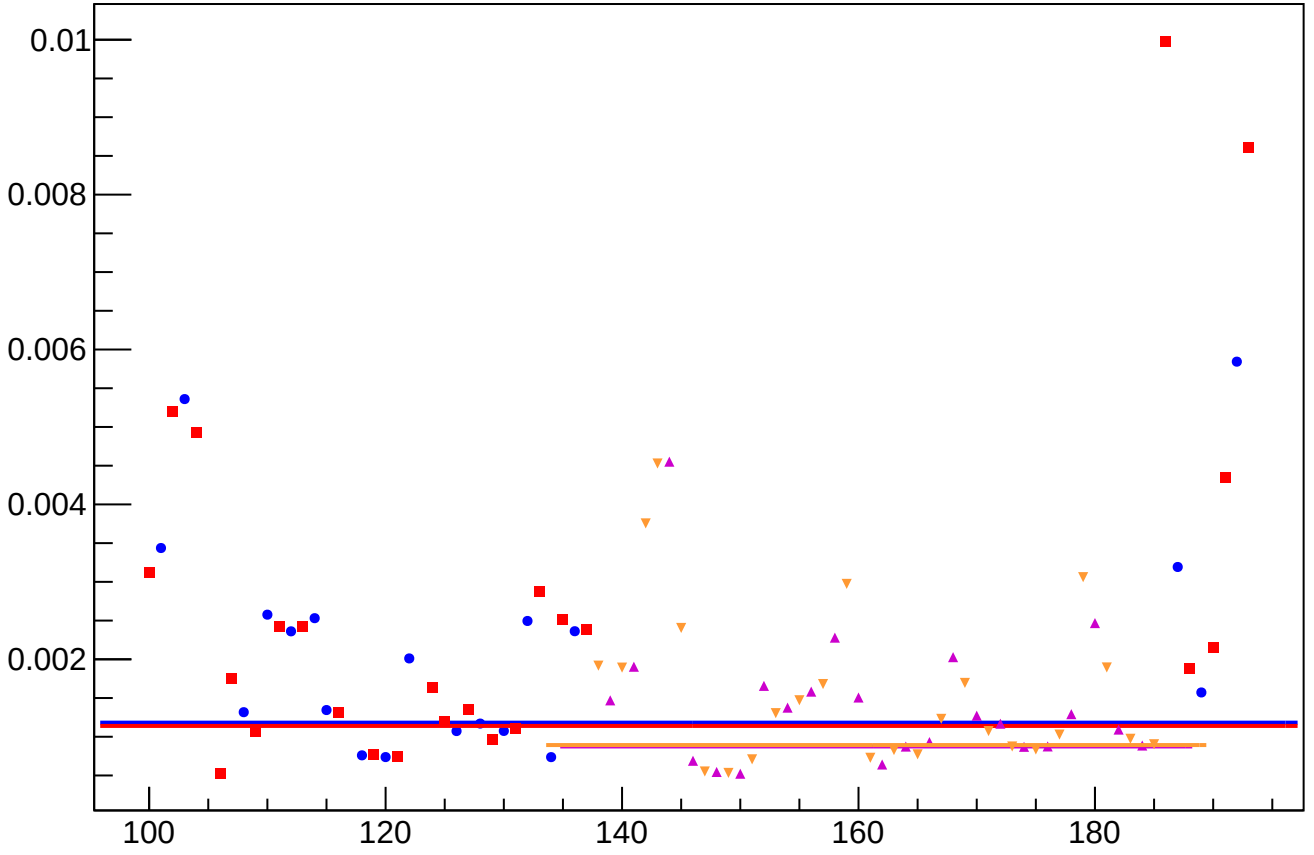
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.6/43

All: -0.000+/-0.000 χ^2/NDF: 134.9/90

- sign 0.000+/-0.000 χ^2/NDF: 56.8/46

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: 6360248.1/23

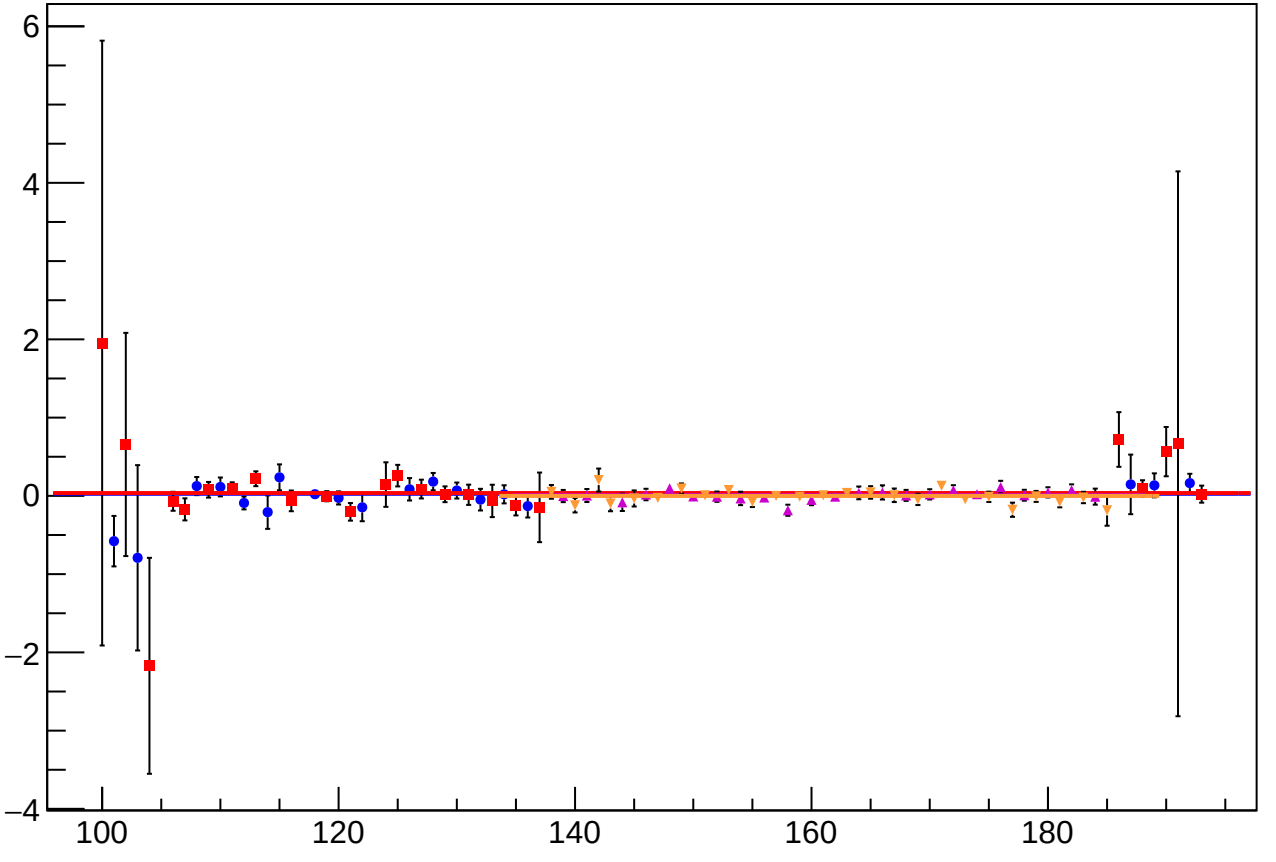
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 13166555.0/43

All: 0.001+/-0.000 χ^2/NDF: 27041906.5/90

- sign 0.001+/-0.000 χ^2/NDF: 13869065.3/46

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: 0.036+/-0.026 χ^2/NDF: 28.0/23

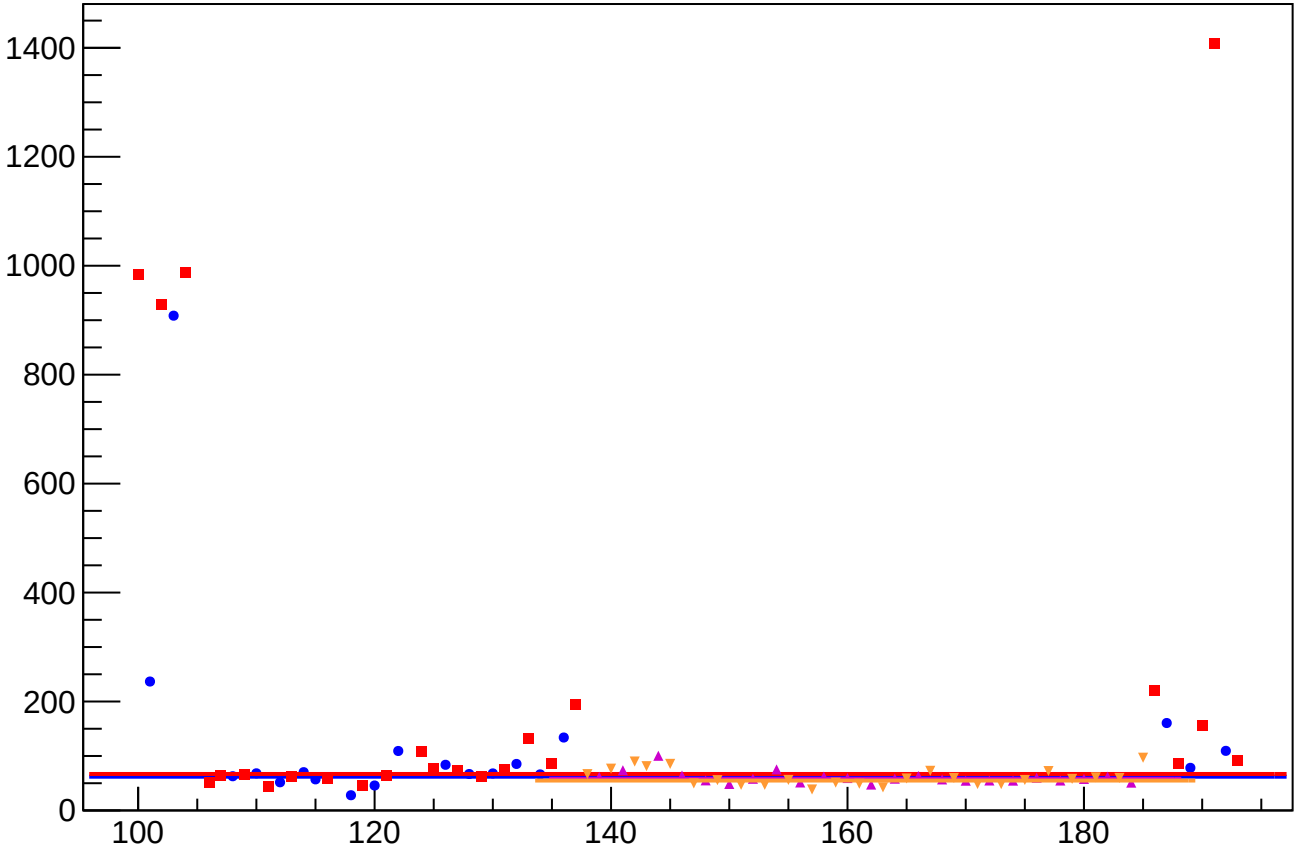
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.006+/-0.012 χ^2/NDF: 40.5/43

All: 0.010+/-0.009 χ^2/NDF: 85.1/90

- sign 0.015+/-0.013 χ^2/NDF: 44.3/46

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

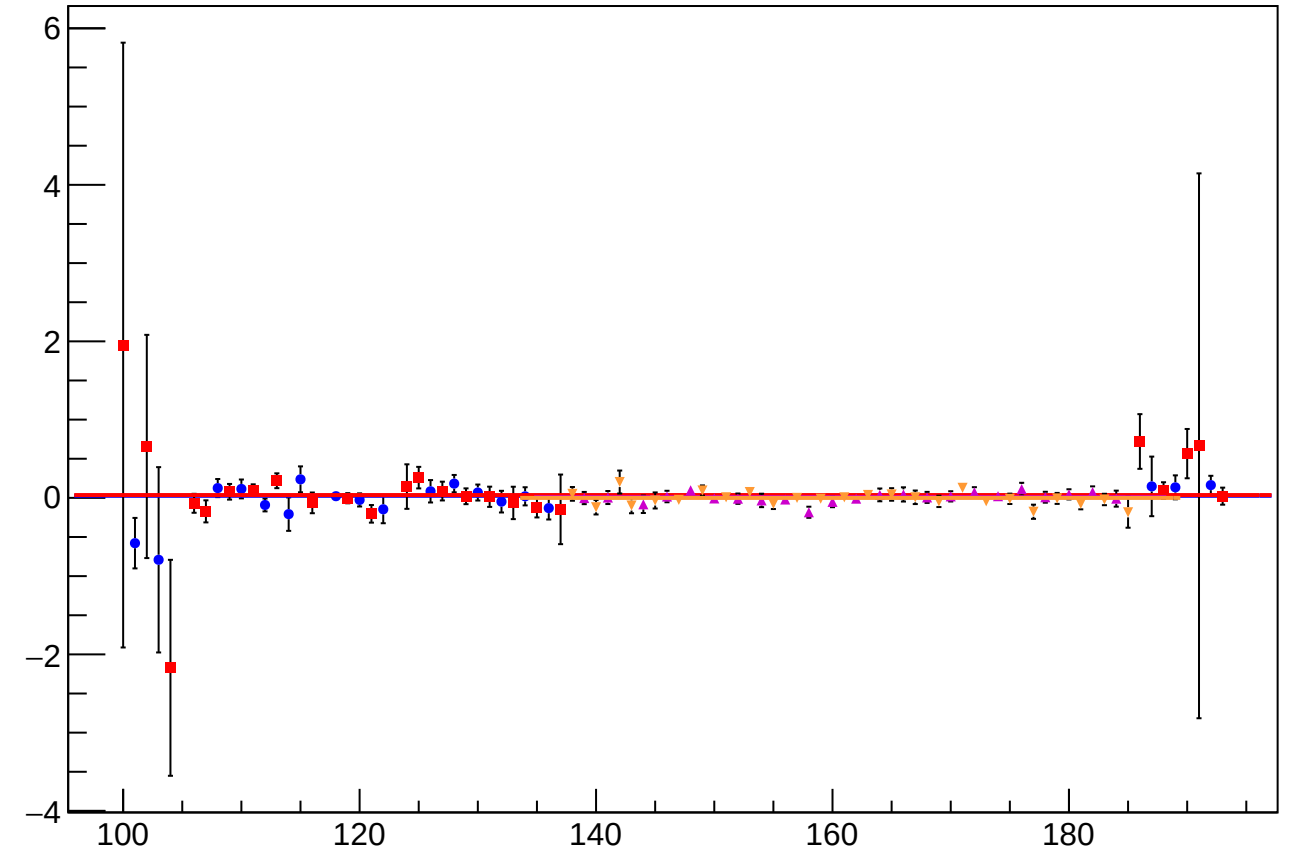
Right Out: 66.965+/-0.018 χ^2/NDF: 3696657.7/23

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 56.473+/-0.009 χ^2/NDF: 5177454.4/43

All: 58.314+/-0.006 χ^2/NDF: 9794586.9/90

- sign 60.289+/-0.009 χ^2/NDF: 4526607.3/46



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: 0.036+/-0.026 χ^2/NDF: 28.0/23

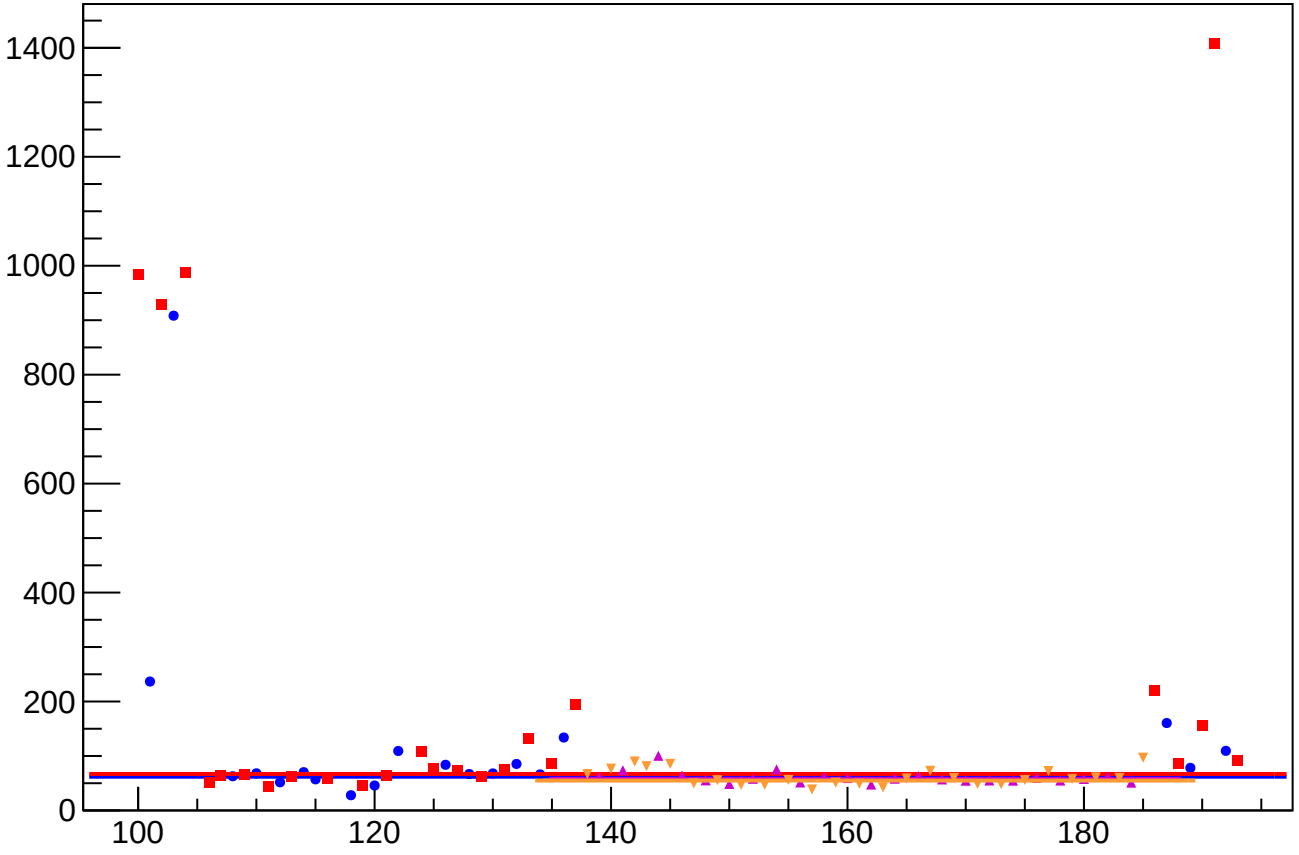
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.006+/-0.012 χ^2/NDF: 40.5/43

All: 0.010+/-0.009 χ^2/NDF: 85.1/90

- sign 0.015+/-0.013 χ^2/NDF: 44.3/46

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: 66.965+/-0.018 χ^2/NDF: 3696657.7/23

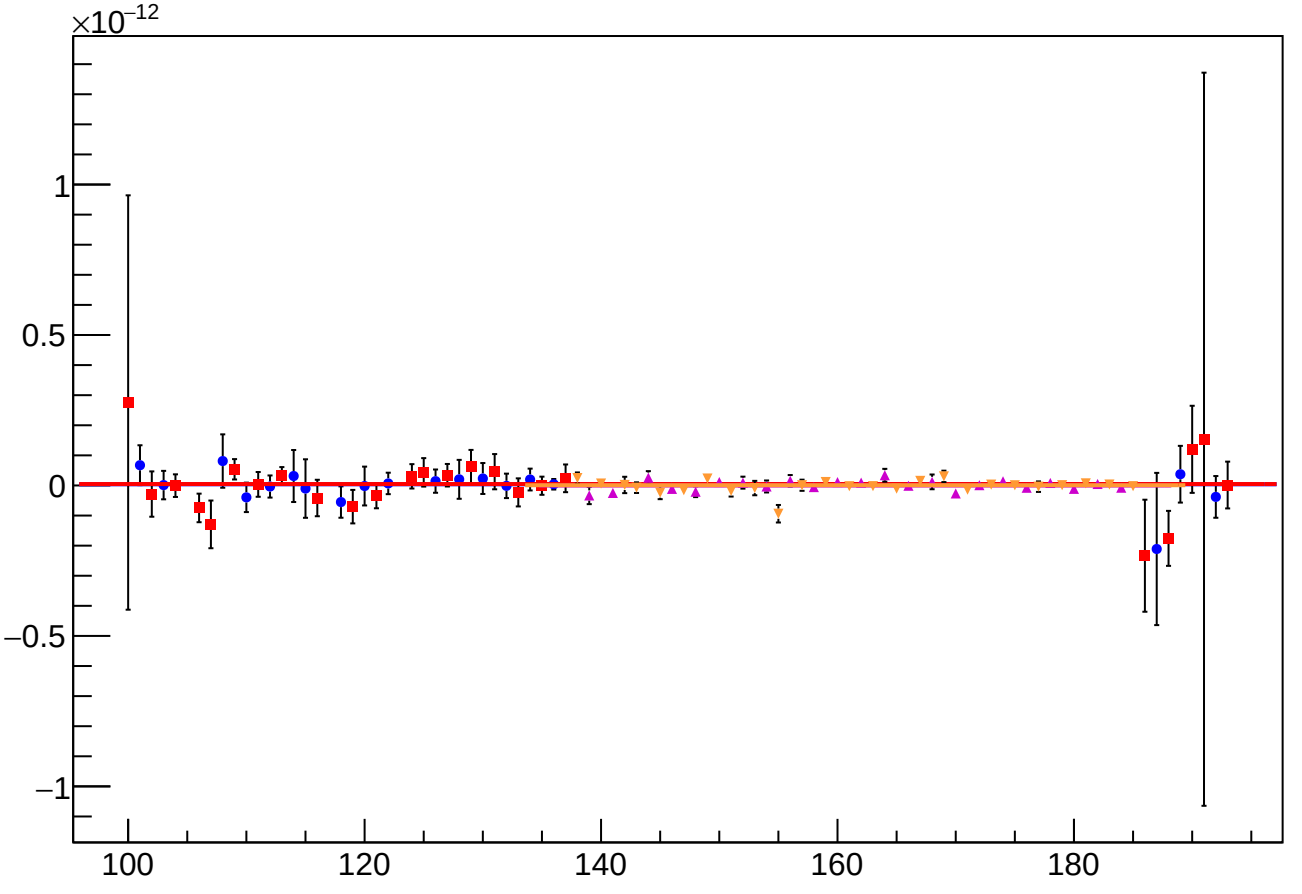
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 56.473+/-0.009 χ^2/NDF: 5177454.4/43

All: 58.314+/-0.006 χ^2/NDF: 9794586.9/90

- sign 60.289+/-0.009 χ^2/NDF: 4526607.3/46

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: 22.4/23

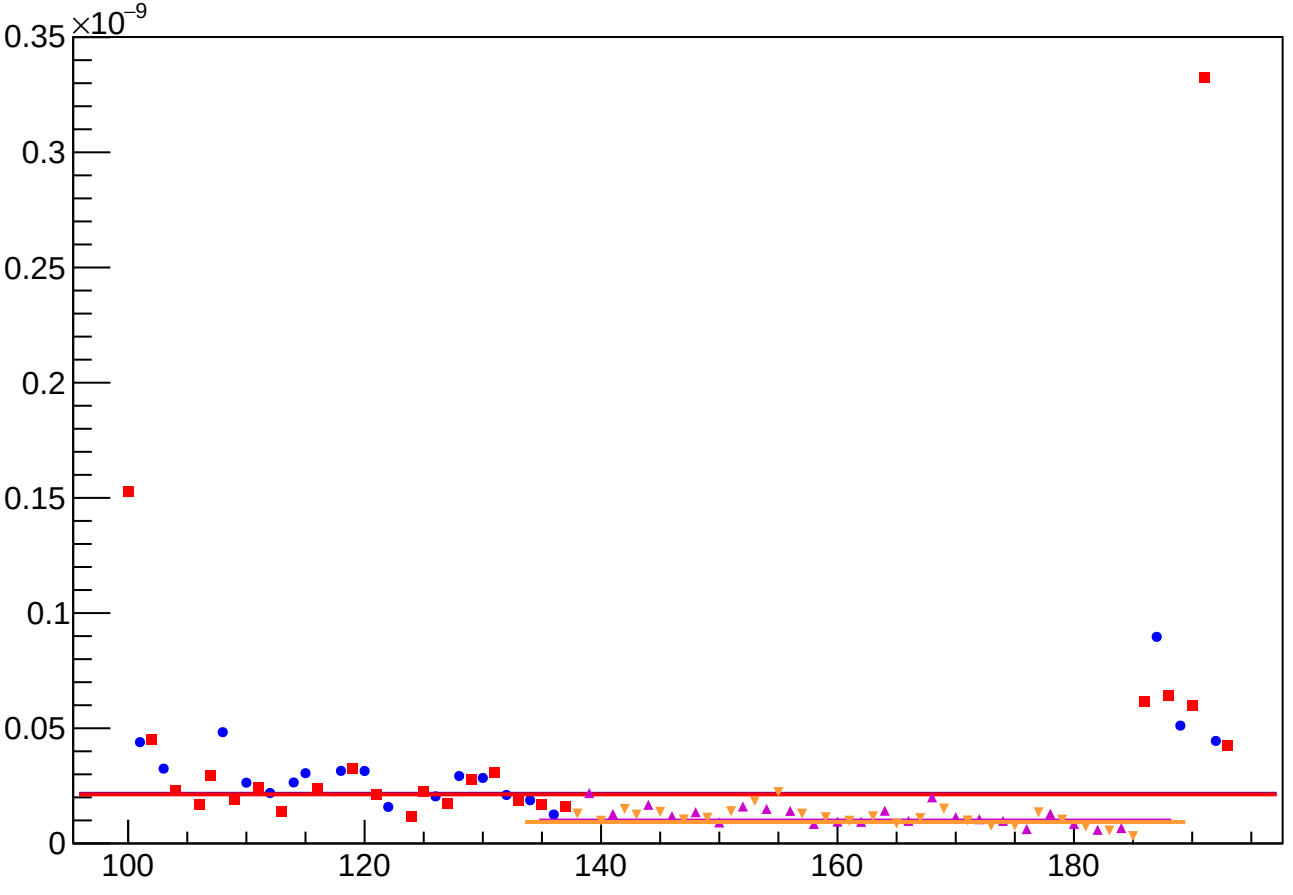
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.0/43

All: 0.000+/-0.000 χ^2/NDF: 73.9/90

- sign 0.000+/-0.000 χ^2/NDF: 42.8/46

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: 1800503.8/23

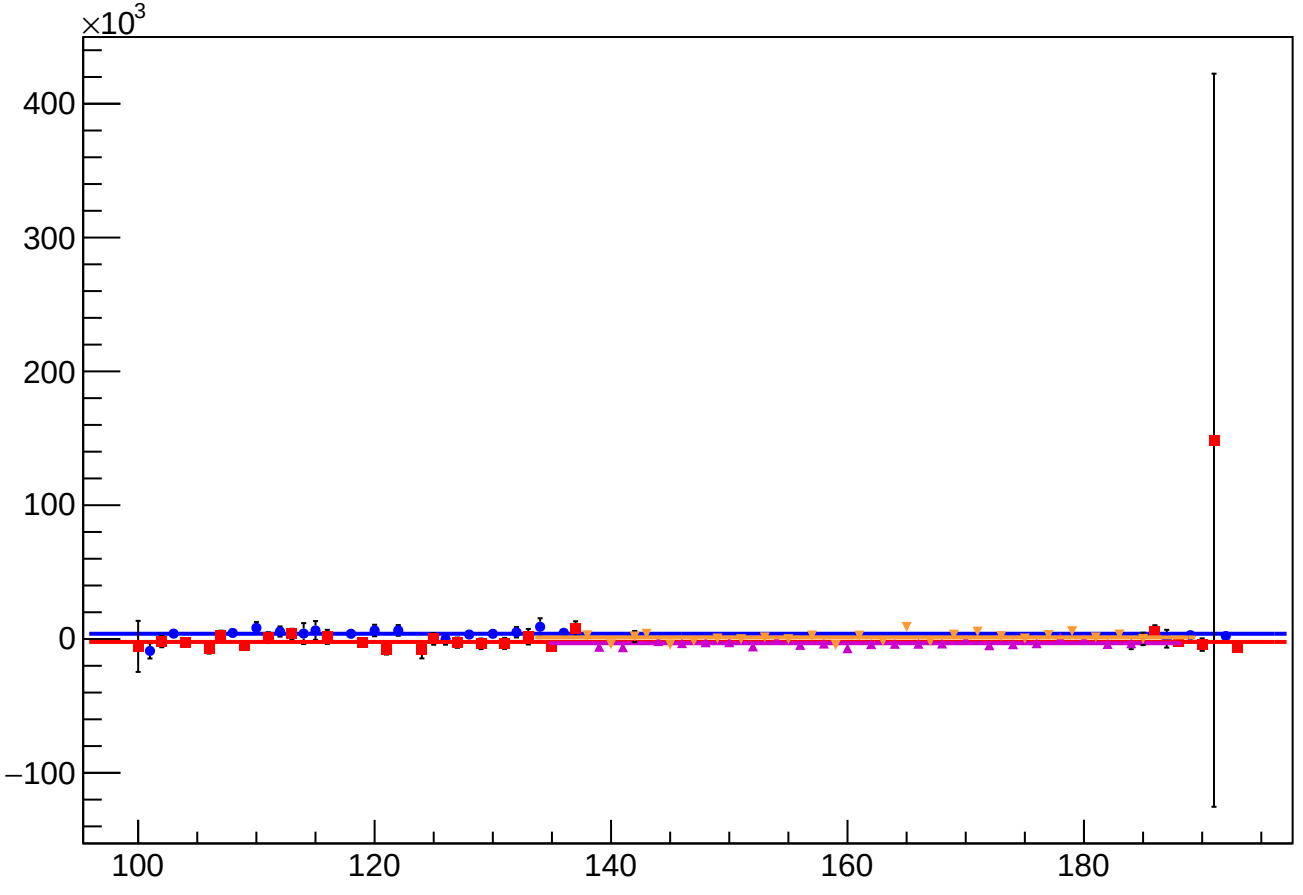
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7706639.4/43

All: 0.000+/-0.000 χ^2/NDF: 14552694.8/90

- sign 0.000+/-0.000 χ^2/NDF: 6783995.7/46

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: -2171.925+/-820.942 χ^2/NDF: 20.1/23

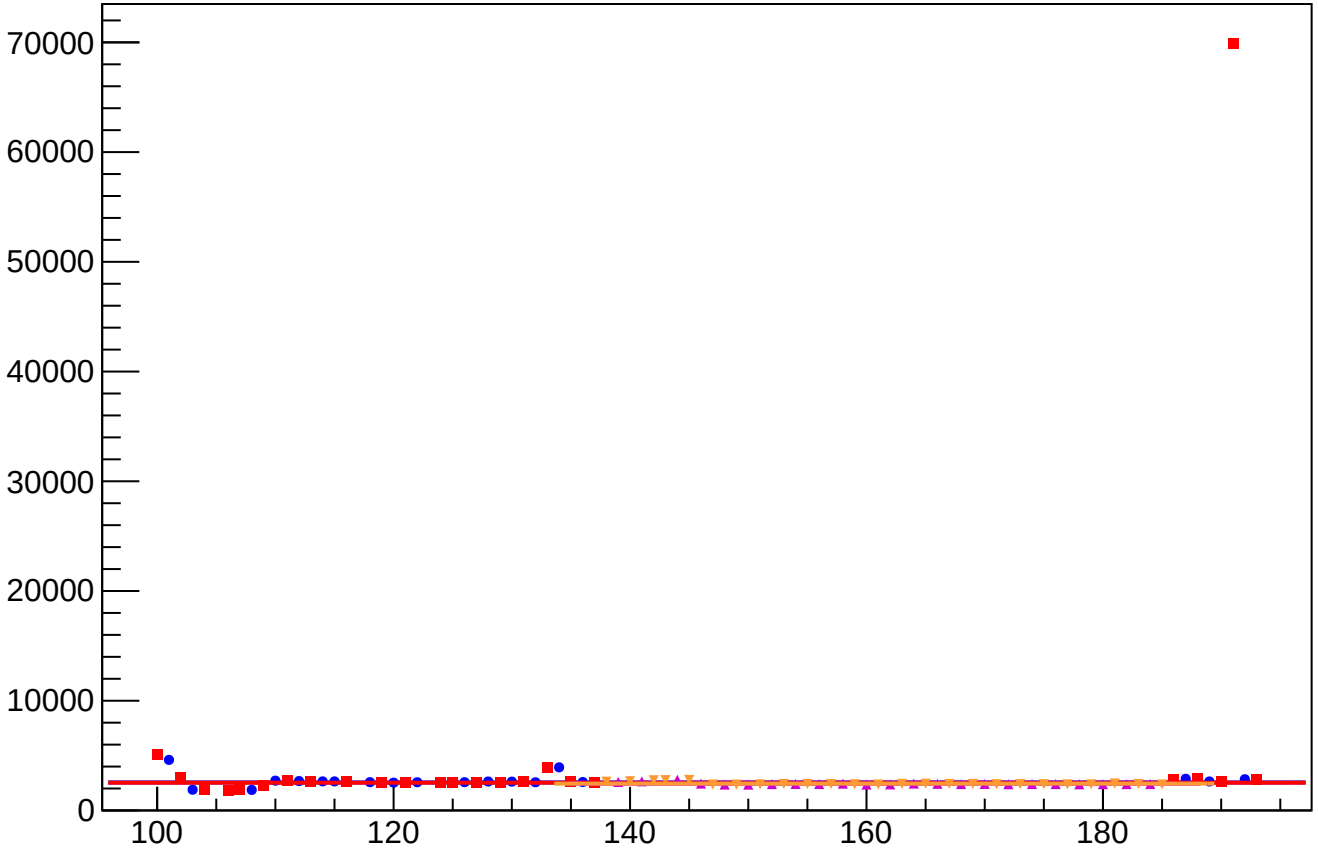
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 1987.289+/-468.602 χ^2/NDF: 48.0/43

All: -425.961+/-331.059 χ^2/NDF: 134.7/90

- sign -2830.700+/-467.775 χ^2/NDF: 33.7/46

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: 2529.102+/-0.580 χ^2/NDF: 656303.2/23

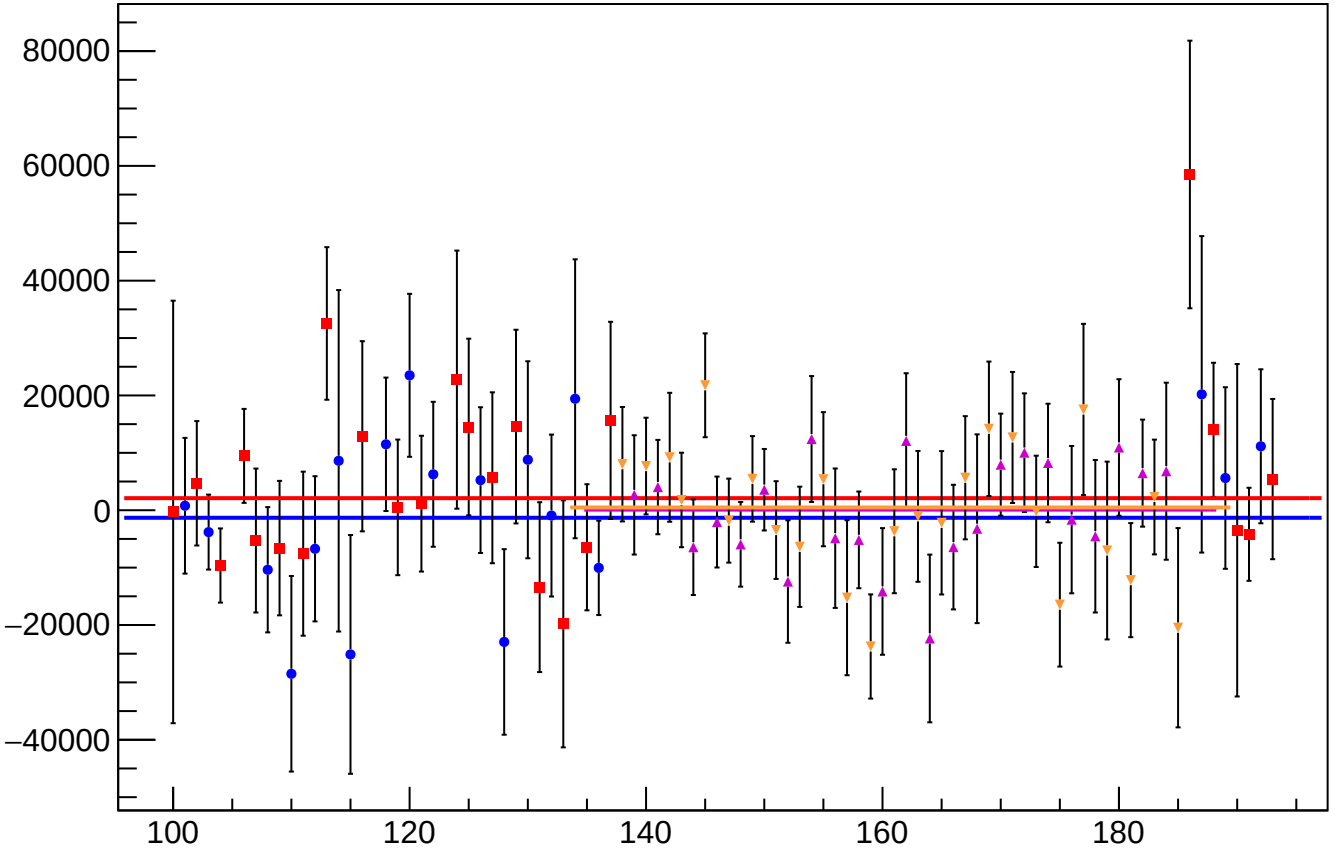
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2477.021+/-0.331 χ^2/NDF: 754463.3/43

All: 2471.598+/-0.234 χ^2/NDF: 1487881.1/90

- sign 2466.194+/-0.331 χ^2/NDF: 732883.1/46

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: 2102.136+/-2551.780 χ^2/NDF: 24.3/23

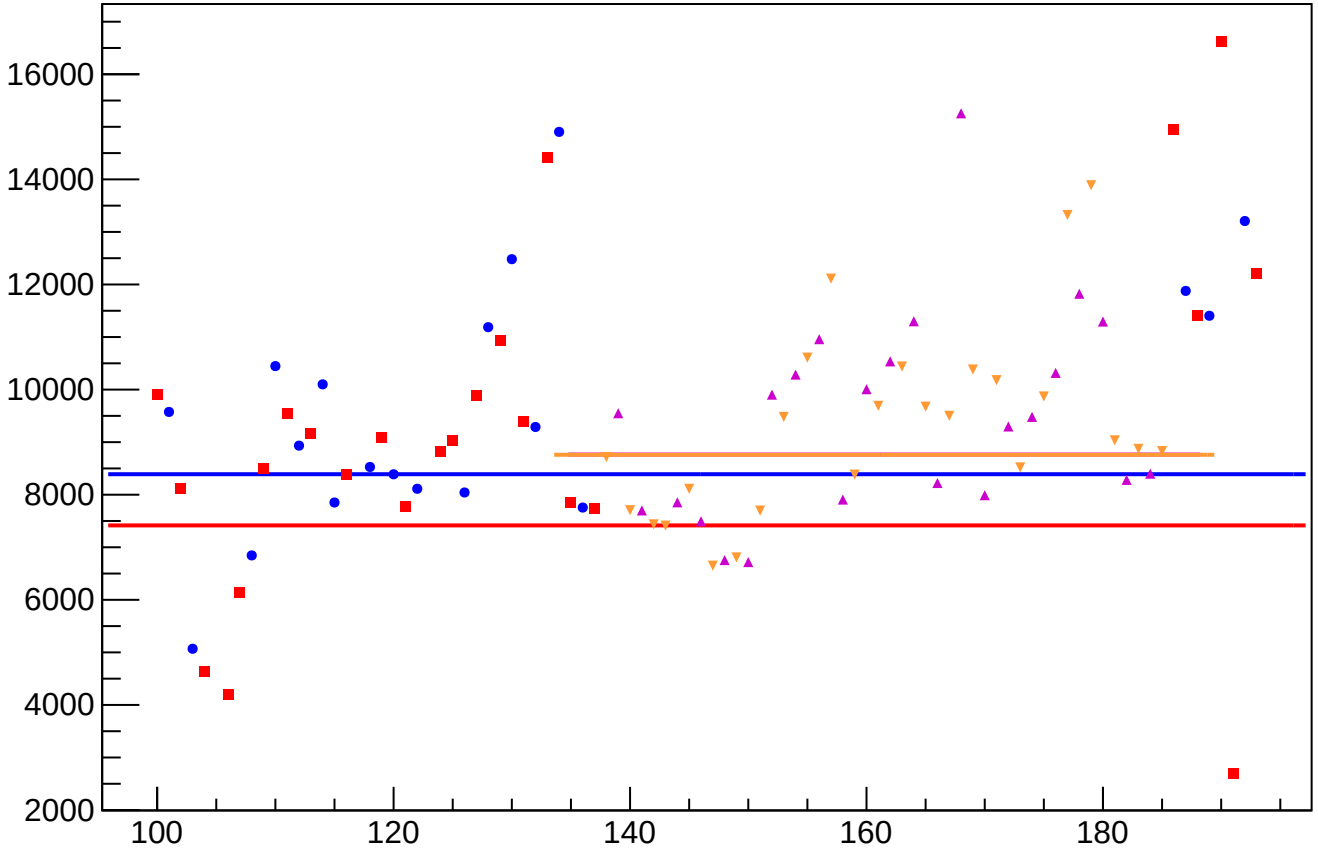
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign -107.158+/-1671.714 χ^2/NDF: 43.2/43

All: 416.805+/-1162.368 χ^2/NDF: 82.5/90

- sign 907.218+/-1617.310 χ^2/NDF: 39.1/46

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: 7415.886+/-1.804 χ^2/NDF: 2844026.1/23

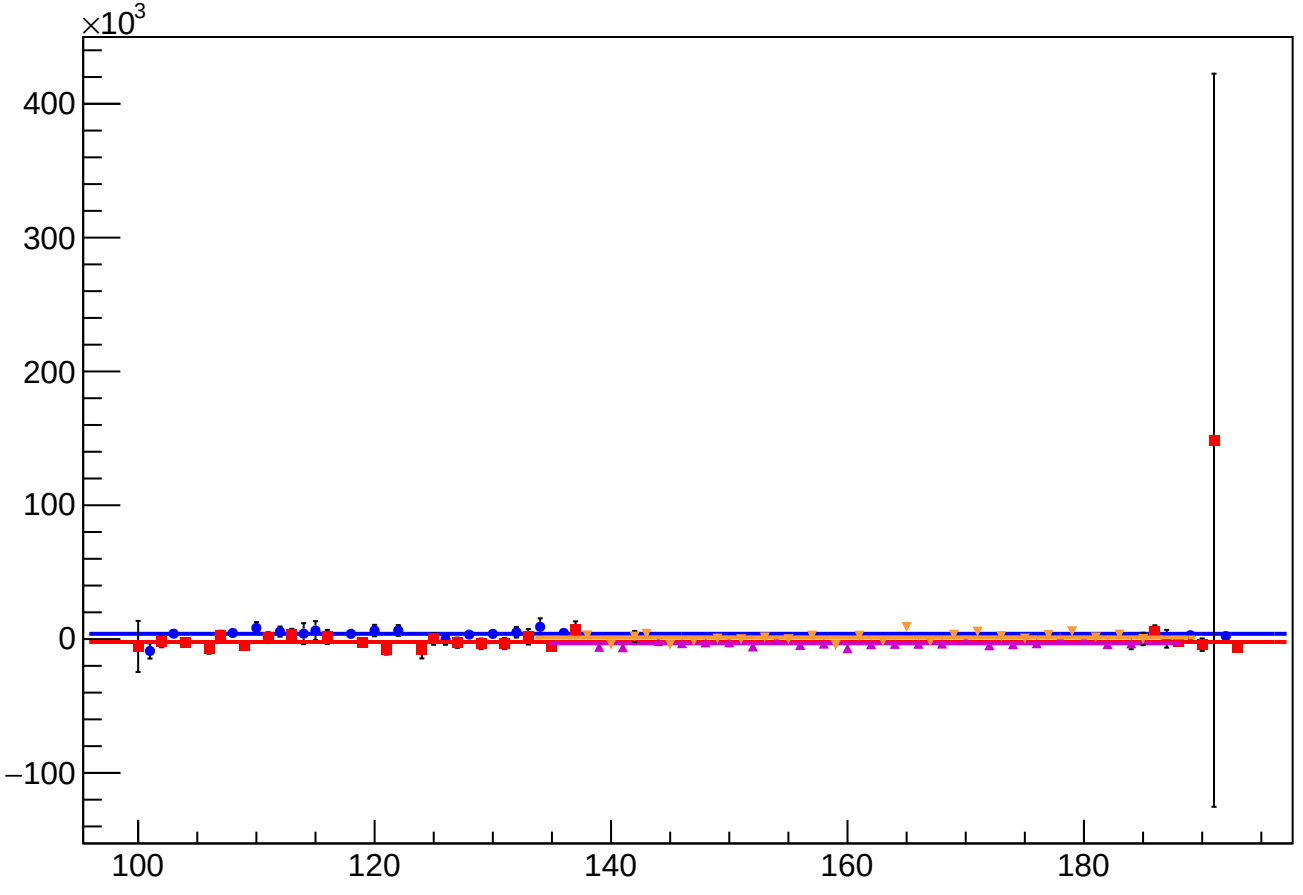
Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 8639.215+/-1.182 χ^2/NDF: 2564973.4/43

All: 8423.990+/-0.822 χ^2/NDF: 7098923.4/90

- sign 8222.546+/-1.144 χ^2/NDF: 4469771.6/46

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: -2172.453+/-820.947 χ^2/NDF: 20.1/23

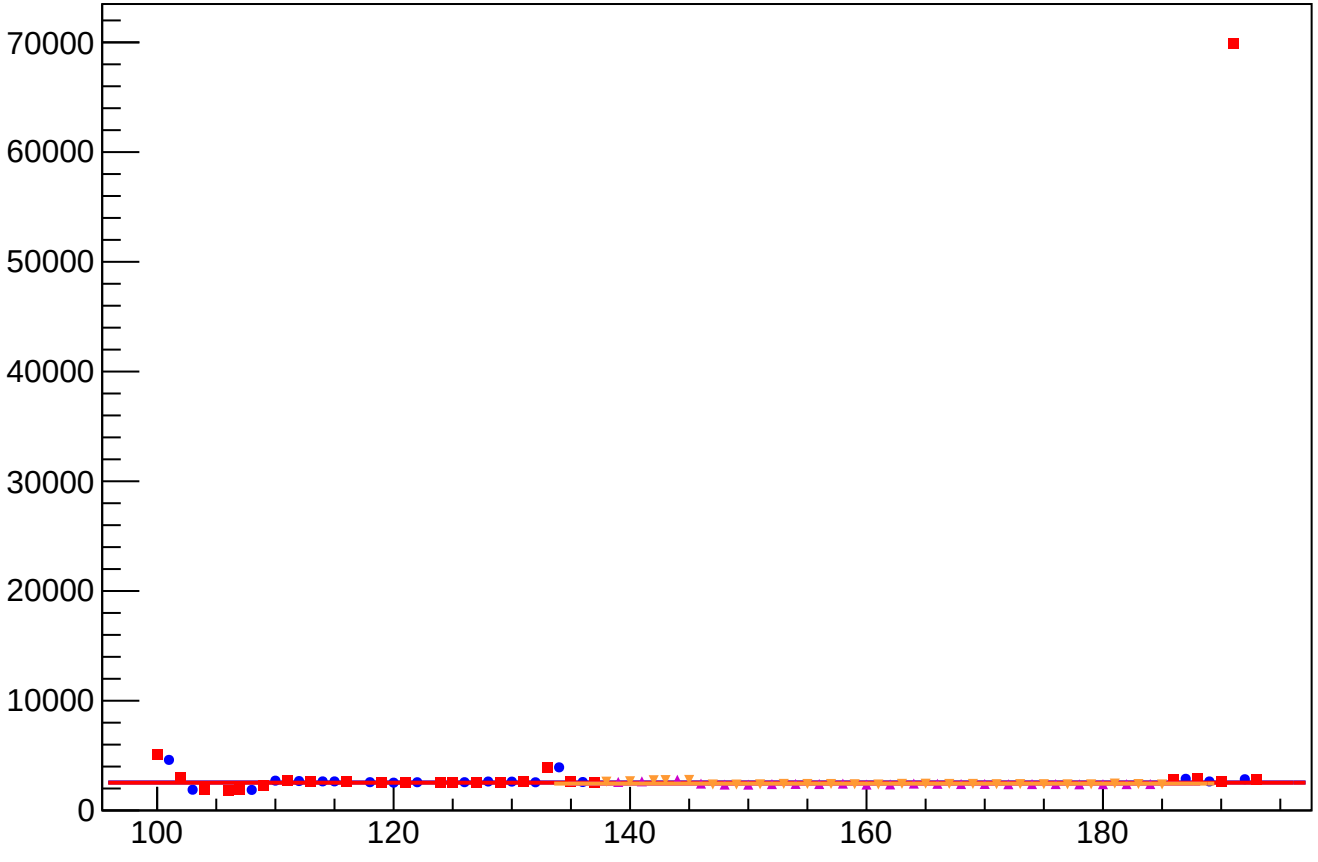
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1987.062+/-468.602 χ^2/NDF: 48.0/43

All: -426.090+/-331.060 χ^2/NDF: 134.7/90

- sign -2830.741+/-467.776 χ^2/NDF: 33.7/46

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: 2529.122+/-0.580 χ^2/NDF: 656239.5/23

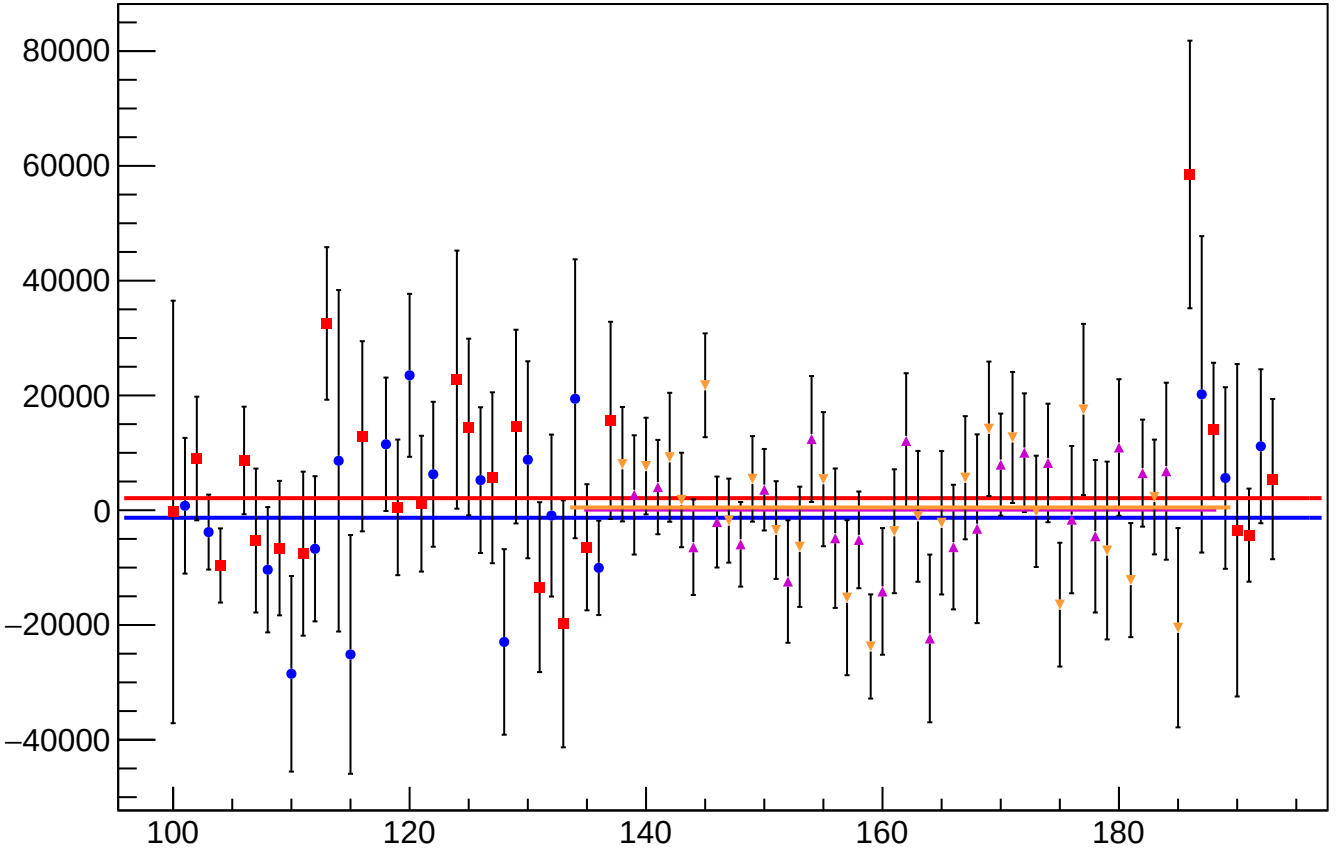
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2477.021+/-0.331 χ^2/NDF: 754461.2/43

All: 2471.601+/-0.234 χ^2/NDF: 1487822.1/90

- sign 2466.201+/-0.331 χ^2/NDF: 732826.8/46

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: 2103.688+/-2580.968 χ^2/NDF: 24.3/23

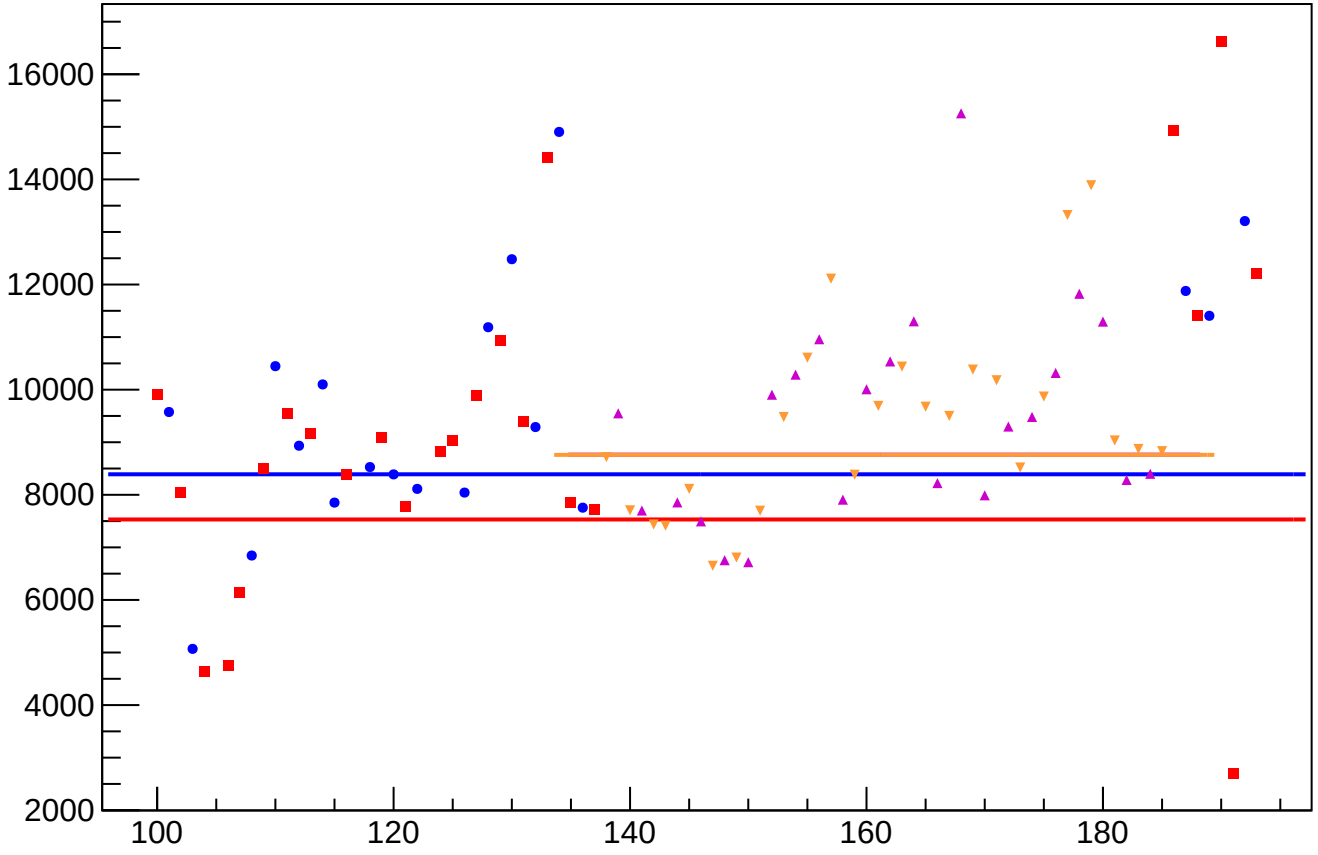
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -107.038+/-1671.727 χ^2/NDF: 43.2/43

All: 409.304+/-1165.094 χ^2/NDF: 82.6/90

- sign 896.982+/-1624.664 χ^2/NDF: 39.2/46

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: 7530.990+/-1.825 χ^2/NDF: 2688908.4/23

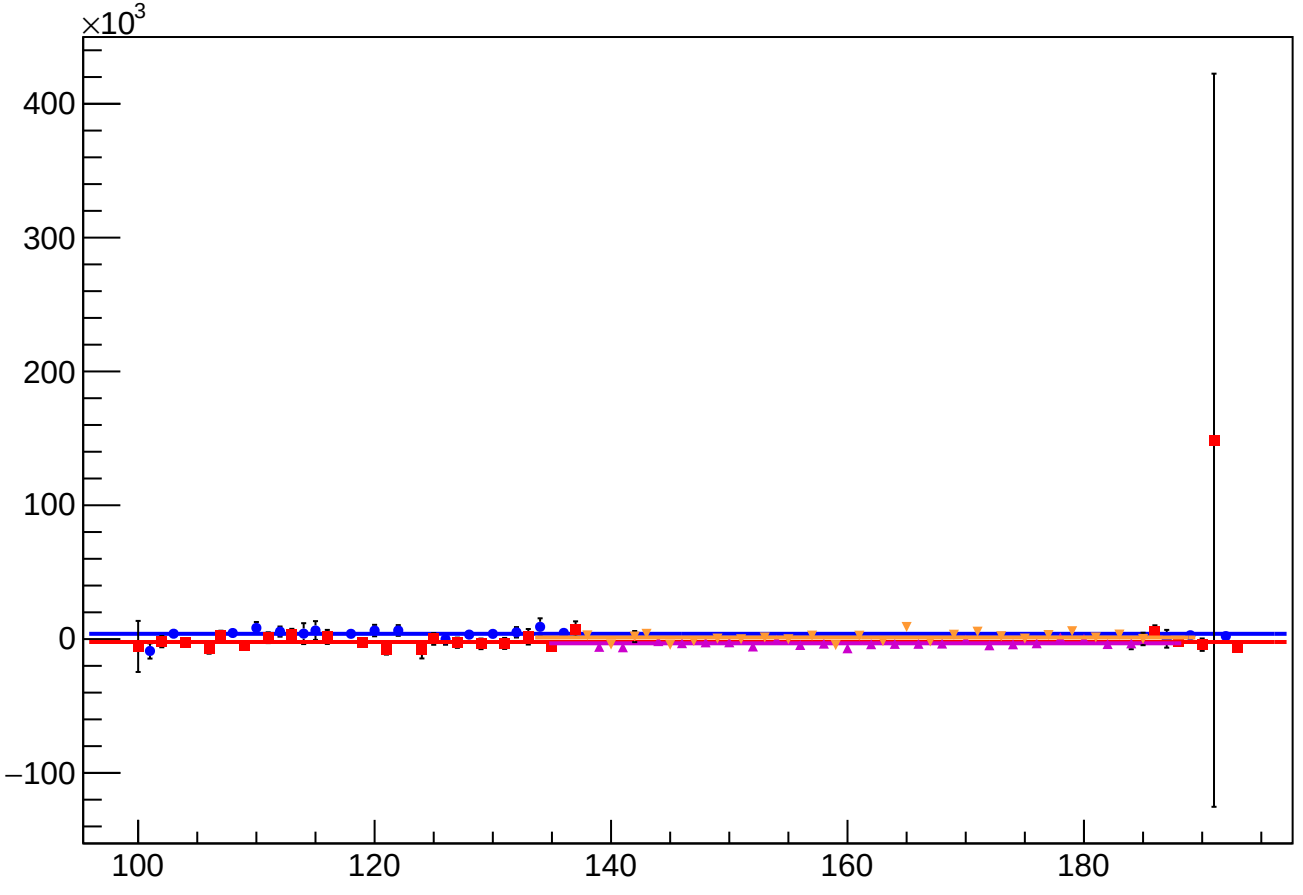
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8639.315+/-1.182 χ^2/NDF: 2564589.0/43

All: 8452.217+/-0.824 χ^2/NDF: 6869558.1/90

- sign 8275.506+/-1.149 χ^2/NDF: 4256256.6/46

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: -2172.453+/-820.947 χ^2/NDF: 20.1/23

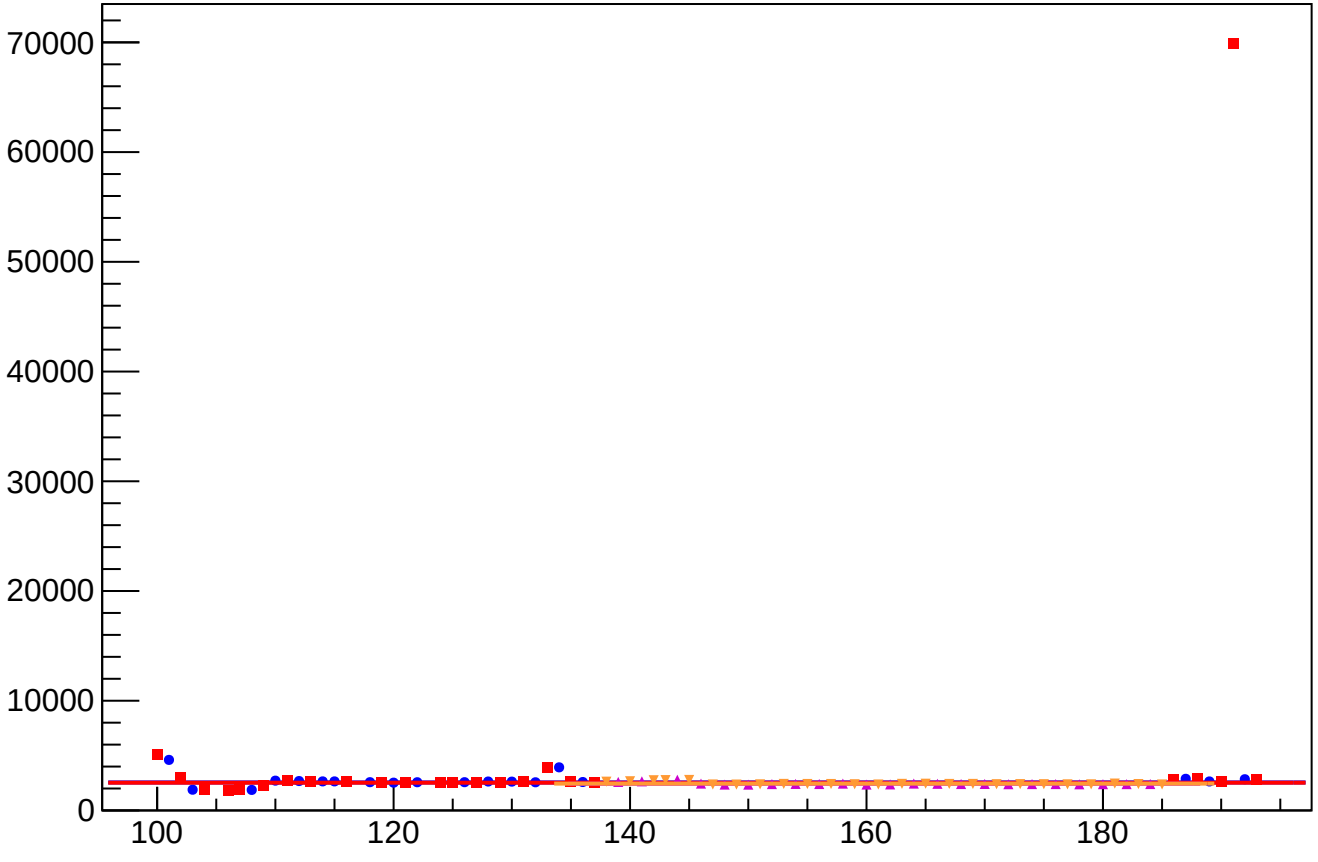
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1987.062+/-468.602 χ^2/NDF: 48.0/43

All: -426.090+/-331.060 χ^2/NDF: 134.7/90

- sign -2830.741+/-467.776 χ^2/NDF: 33.7/46

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: 2529.122+/-0.580 χ^2/NDF: 656239.5/23

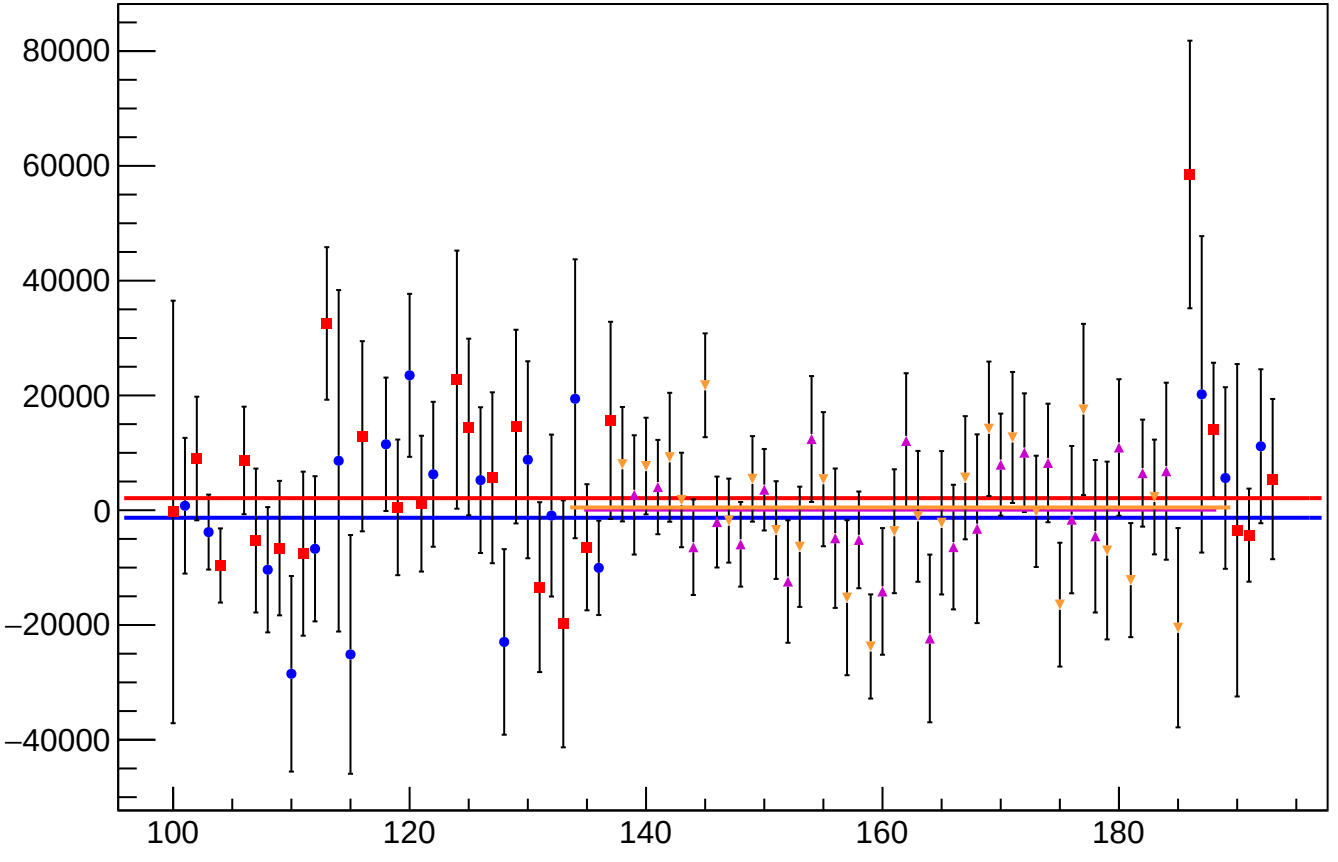
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2477.021+/-0.331 χ^2/NDF: 754461.2/43

All: 2471.601+/-0.234 χ^2/NDF: 1487822.1/90

- sign 2466.201+/-0.331 χ^2/NDF: 732826.8/46

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: 2103.688+/-2580.968 χ^2/NDF: 24.3/23

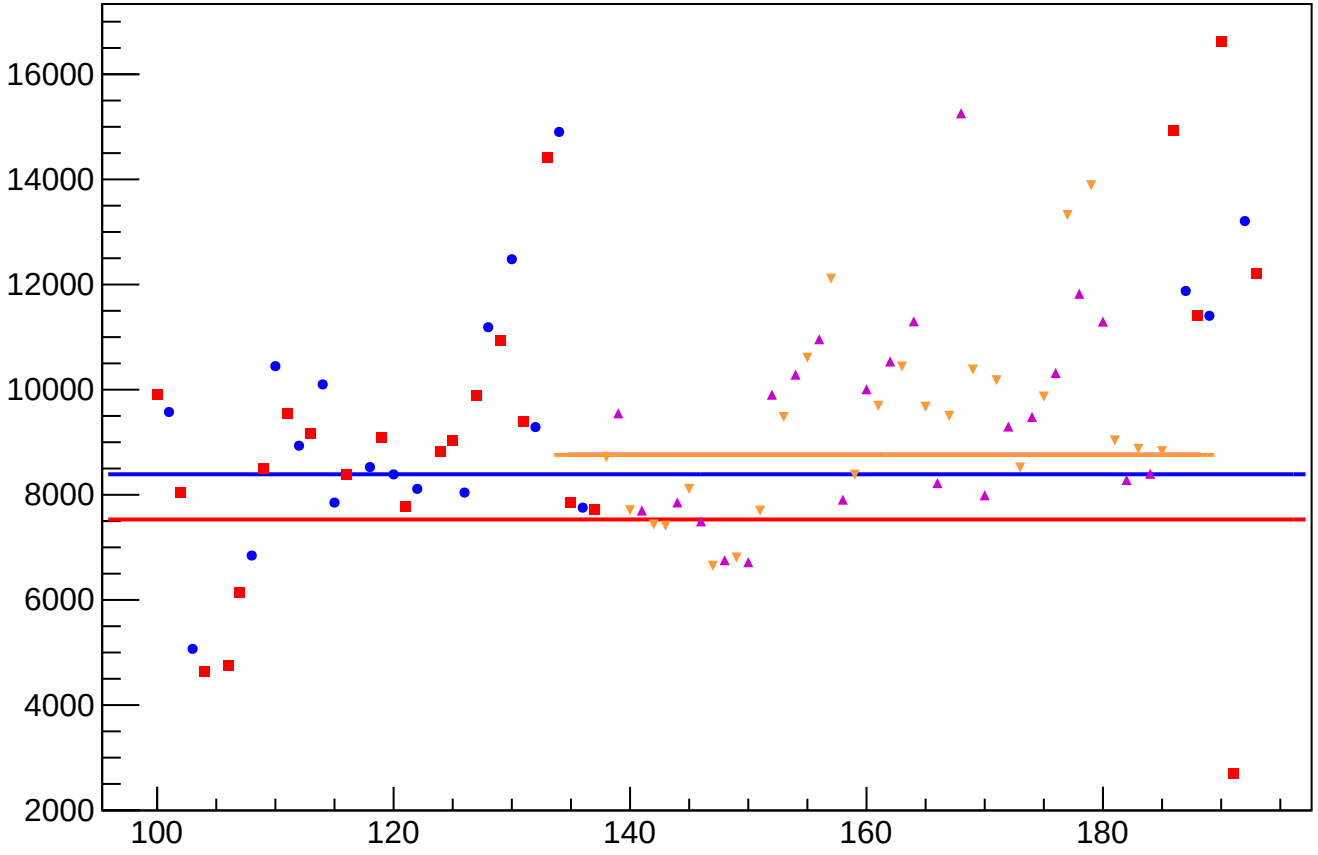
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -107.038+/-1671.727 χ^2/NDF: 43.2/43

All: 409.304+/-1165.094 χ^2/NDF: 82.6/90

- sign 896.982+/-1624.664 χ^2/NDF: 39.2/46

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: 7530.990+/-1.825 χ^2/NDF: 2688908.4/23

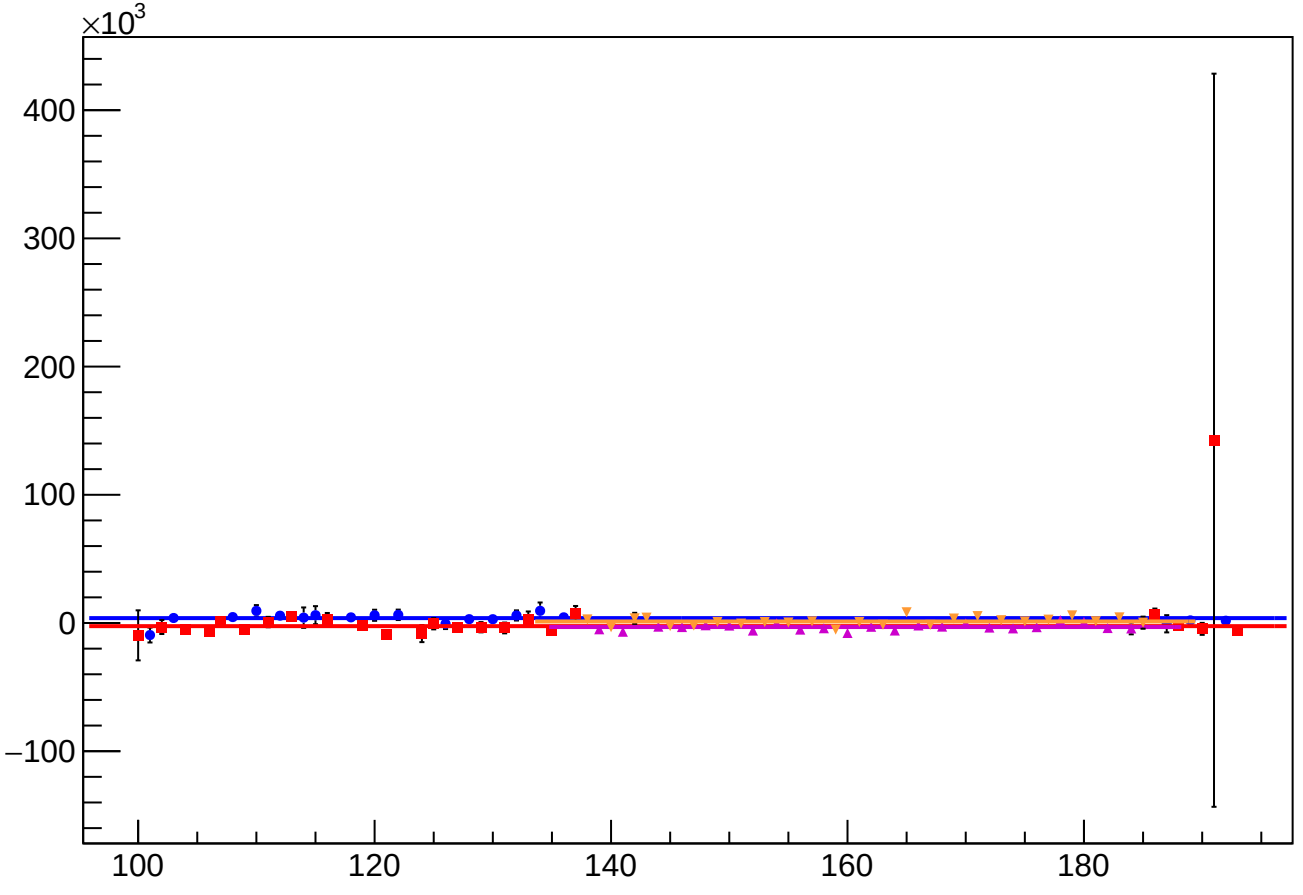
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

\+ sign 8639.315+/-1.182 χ^2/NDF: 2564589.0/43

All: 8452.217+/-0.824 χ^2/NDF: 6869558.1/90

\- sign 8275.506+/-1.149 χ^2/NDF: 4256256.6/46

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: -2452.083+/-853.264 χ^2/NDF: 23.3/23

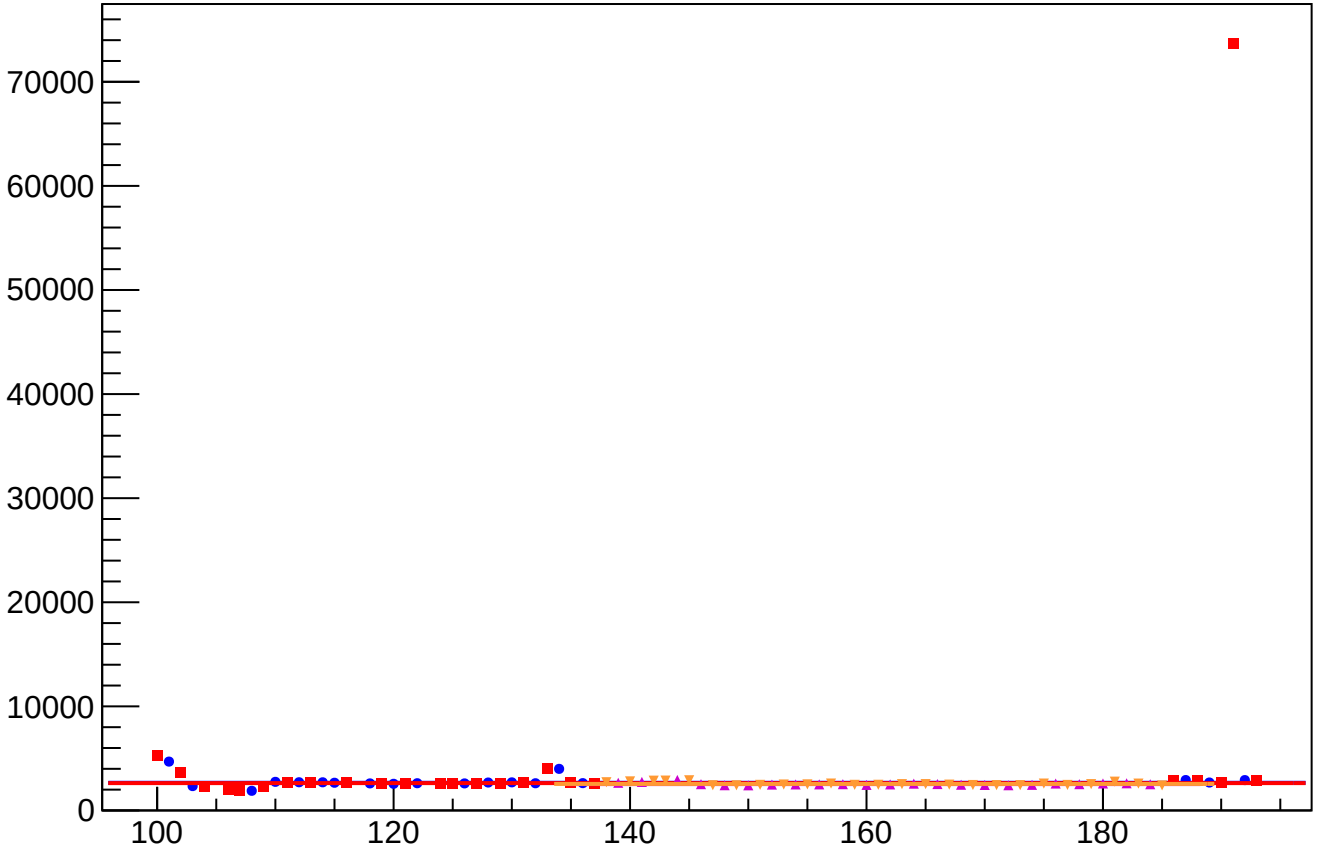
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 1971.980+/-487.669 χ^2/NDF: 44.1/43

All: -481.746+/-344.406 χ^2/NDF: 134.8/90

- sign -2923.332+/-486.461 χ^2/NDF: 40.2/46

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: 2627.220+/-0.603 χ^2/NDF: 573045.8/23

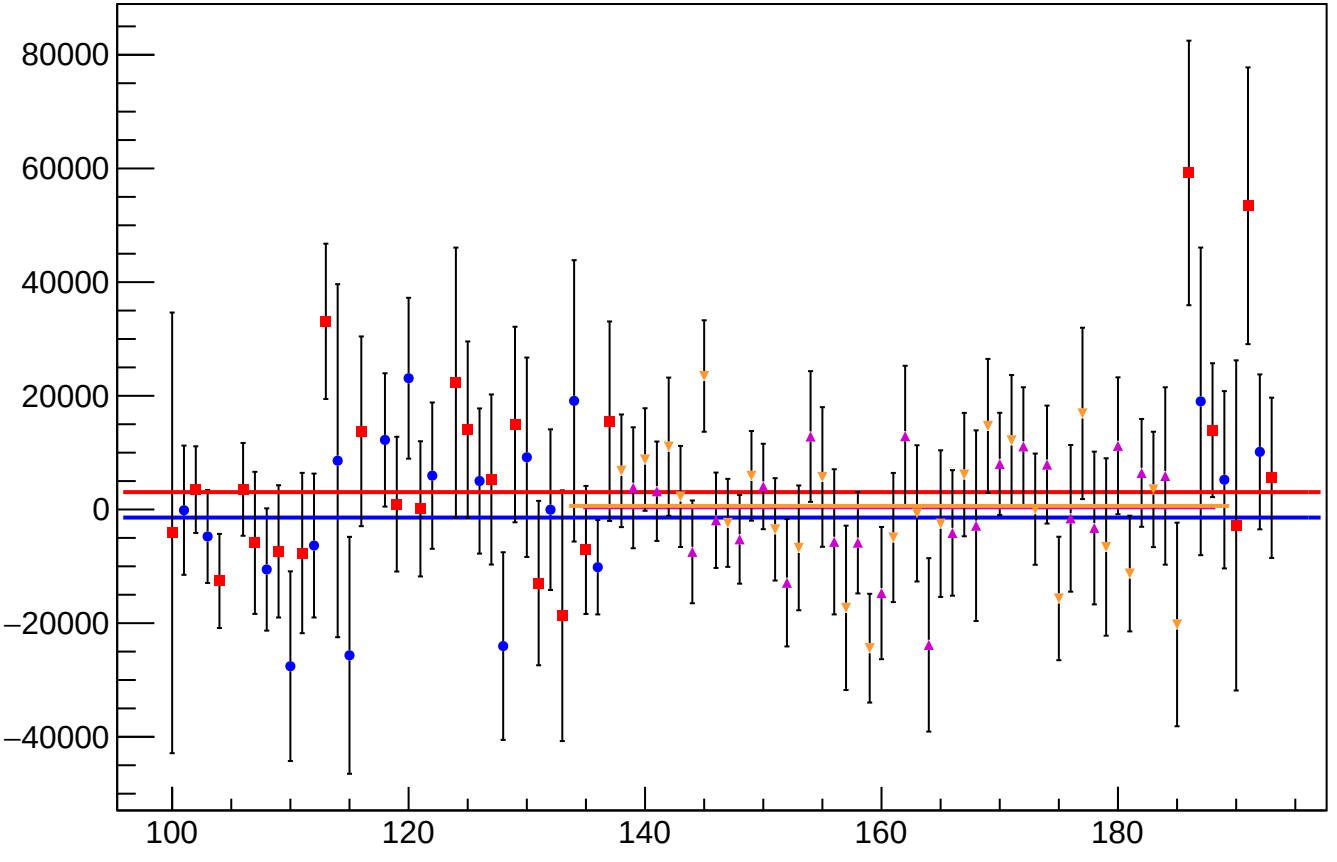
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2579.434+/-0.345 χ^2/NDF: 645680.9/43

All: 2571.441+/-0.244 χ^2/NDF: 1304789.4/90

- sign 2563.490+/-0.344 χ^2/NDF: 658036.7/46

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: 3056.077+/-2690.776 χ^2/NDF: 27.1/23

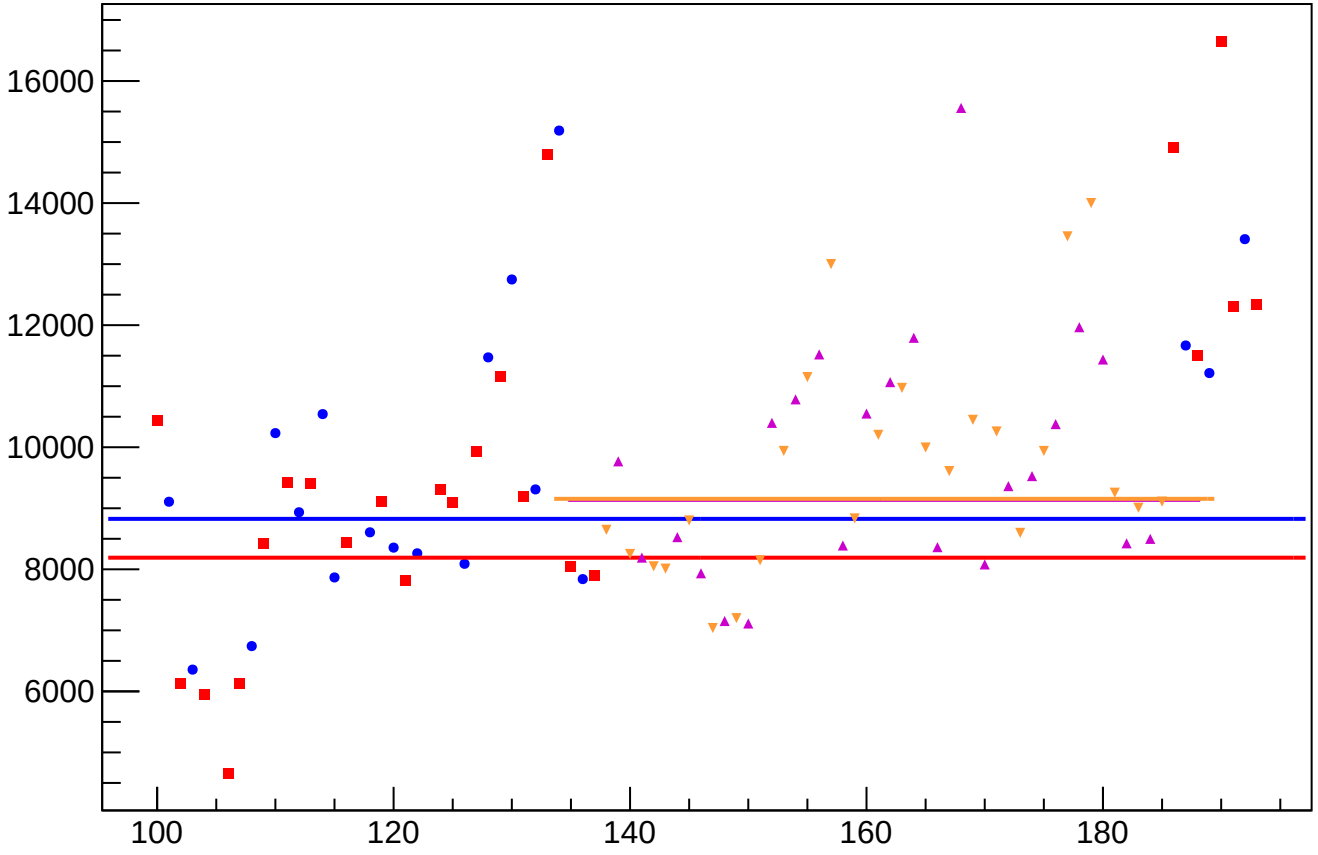
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign -39.724+/-1741.657 χ^2/NDF: 42.4/43

All: 719.960+/-1213.651 χ^2/NDF: 84.6/90

- sign 1437.060+/-1692.138 χ^2/NDF: 41.9/46

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

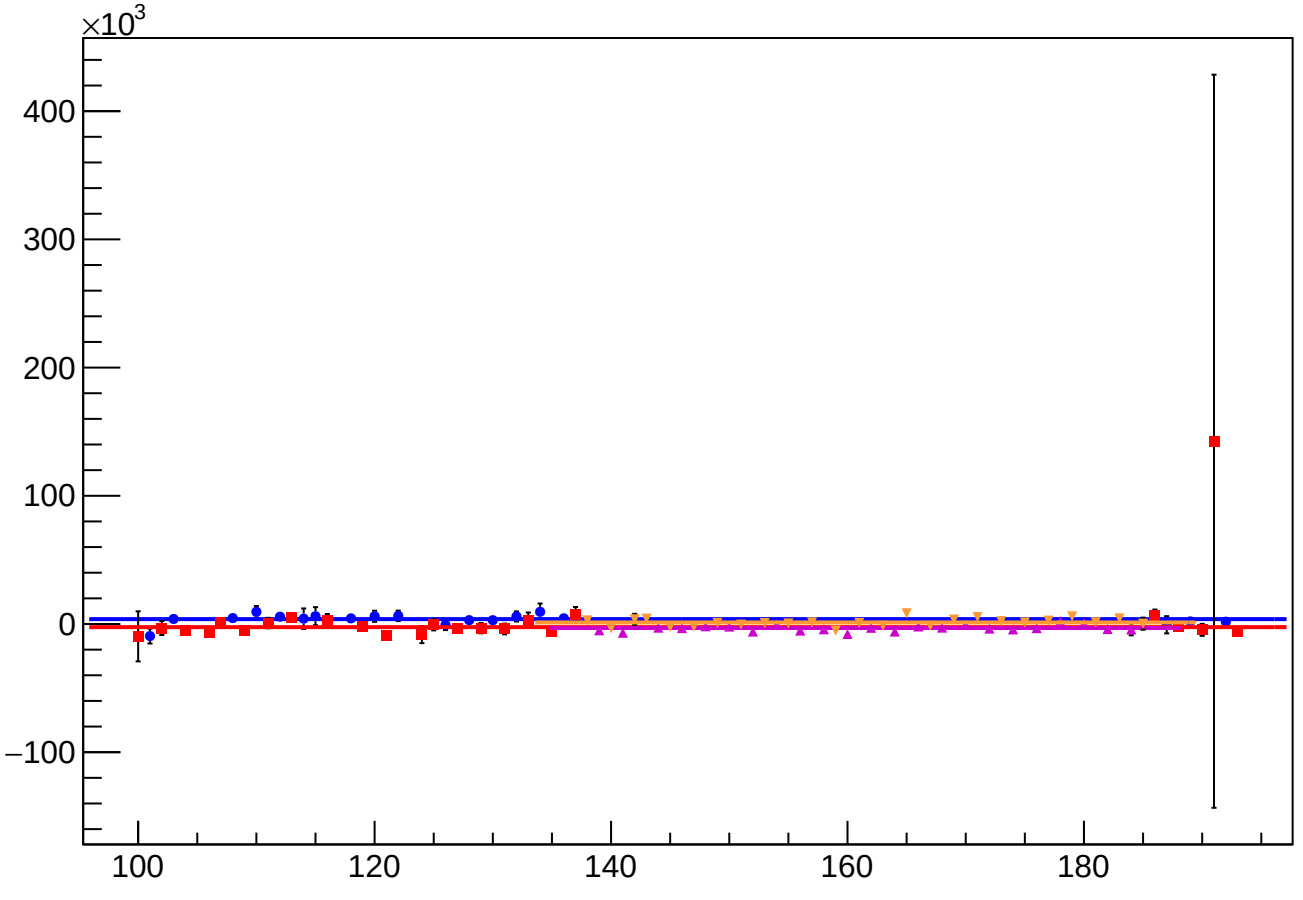
Right Out: 8190.468+/-1.903 χ^2/NDF: 1788426.9/23

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 9047.347+/-1.232 χ^2/NDF: 1993421.7/43

All: 8901.085+/-0.858 χ^2/NDF: 5131852.5/90

- sign 8763.020+/-1.197 χ^2/NDF: 3111011.5/46



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: -2452.093+/-853.263 χ^2/NDF: 23.3/23

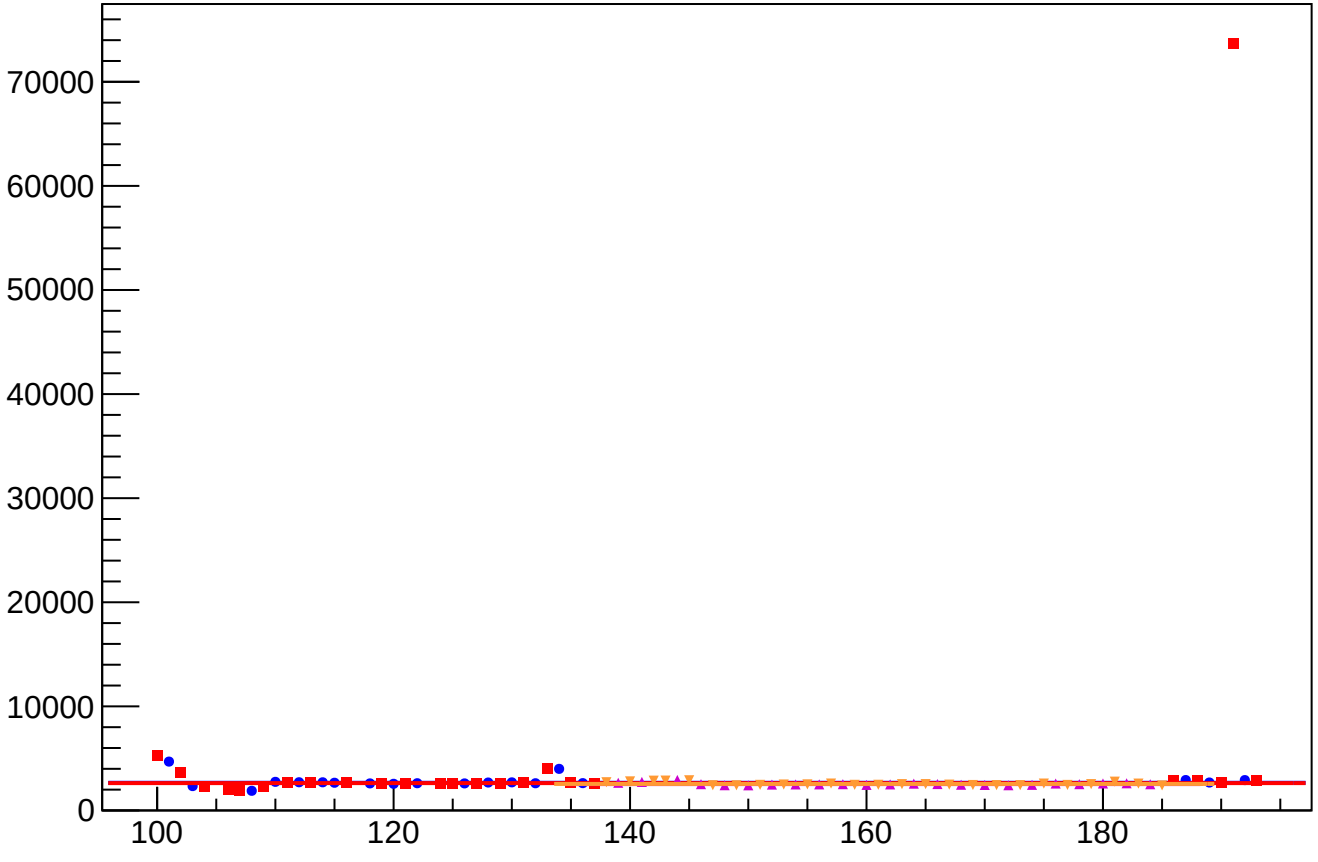
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 1971.975+/-487.669 χ^2/NDF: 44.1/43

All: -481.750+/-344.406 χ^2/NDF: 134.8/90

- sign -2923.334+/-486.461 χ^2/NDF: 40.2/46

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: 2627.219+/-0.603 χ^2/NDF: 573045.2/23

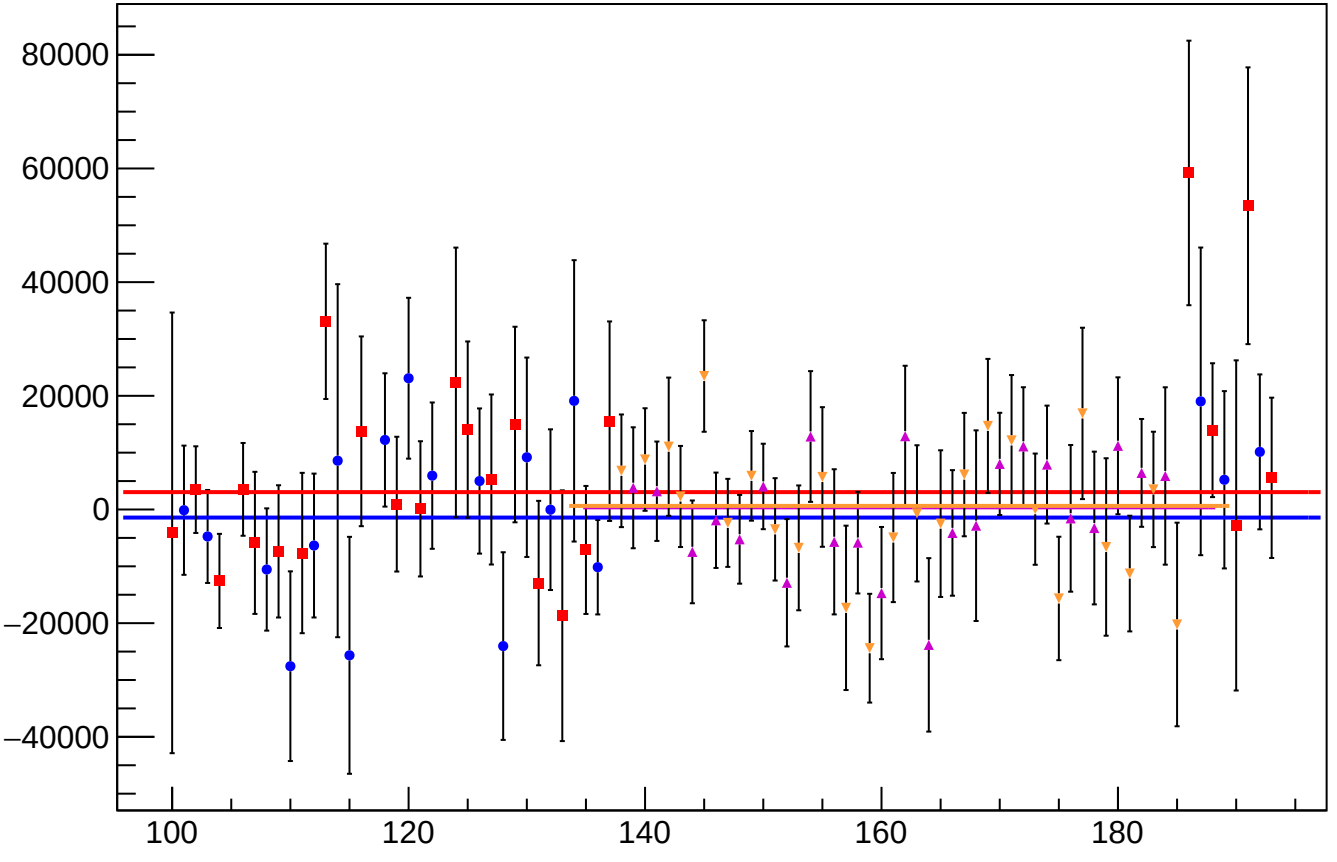
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2579.435+/-0.345 χ^2/NDF: 645679.8/43

All: 2571.442+/-0.244 χ^2/NDF: 1304786.7/90

- sign 2563.491+/-0.344 χ^2/NDF: 658035.2/46

asym_atr2_eigen_dit_correction_mean vs Slug



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: 3056.066+/-2690.772 χ^2/NDF: 27.1/23

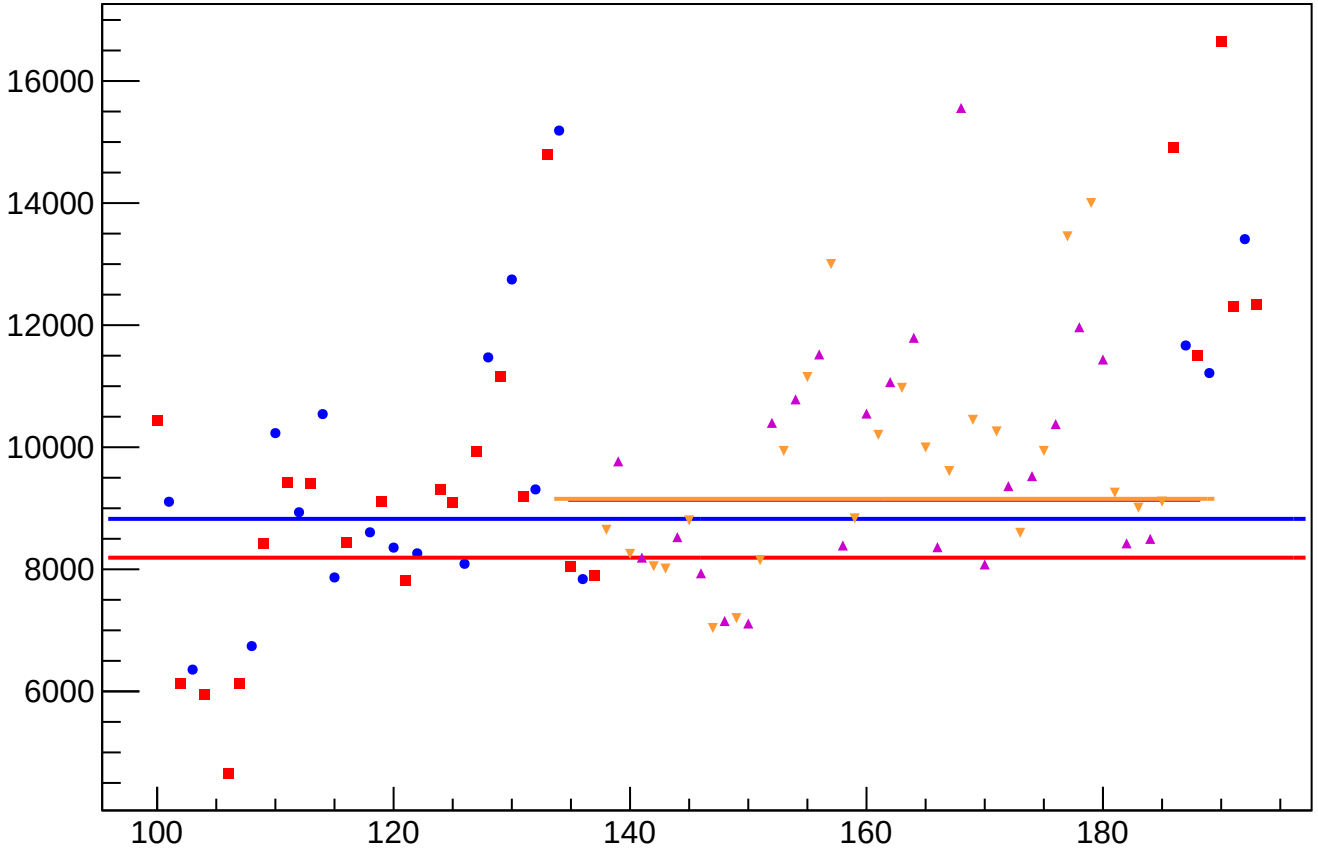
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign -39.720+/-1741.658 χ^2/NDF: 42.4/43

All: 719.964+/-1213.652 χ^2/NDF: 84.6/90

- sign 1437.063+/-1692.139 χ^2/NDF: 41.9/46

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: 8190.457+/-1.903 χ^2/NDF: 1788426.5/23

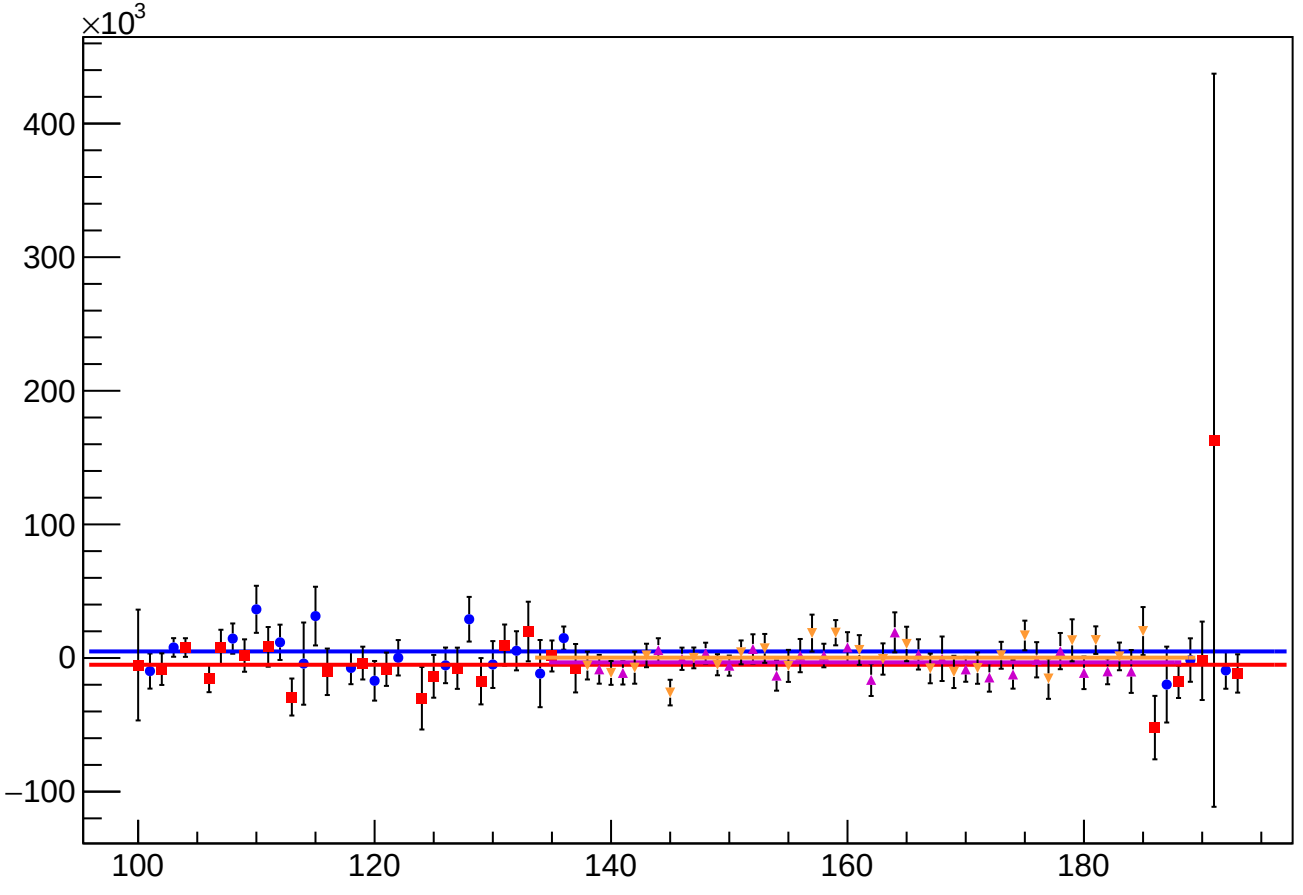
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9047.354+/-1.232 χ^2/NDF: 1993422.8/43

All: 8901.089+/-0.858 χ^2/NDF: 5131865.8/90

- sign 8763.023+/-1.197 χ^2/NDF: 3111023.0/46

asym_atr2_mean vs Slug



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: -5042.432+/-2876.592 χ^2/NDF: 19.9/23

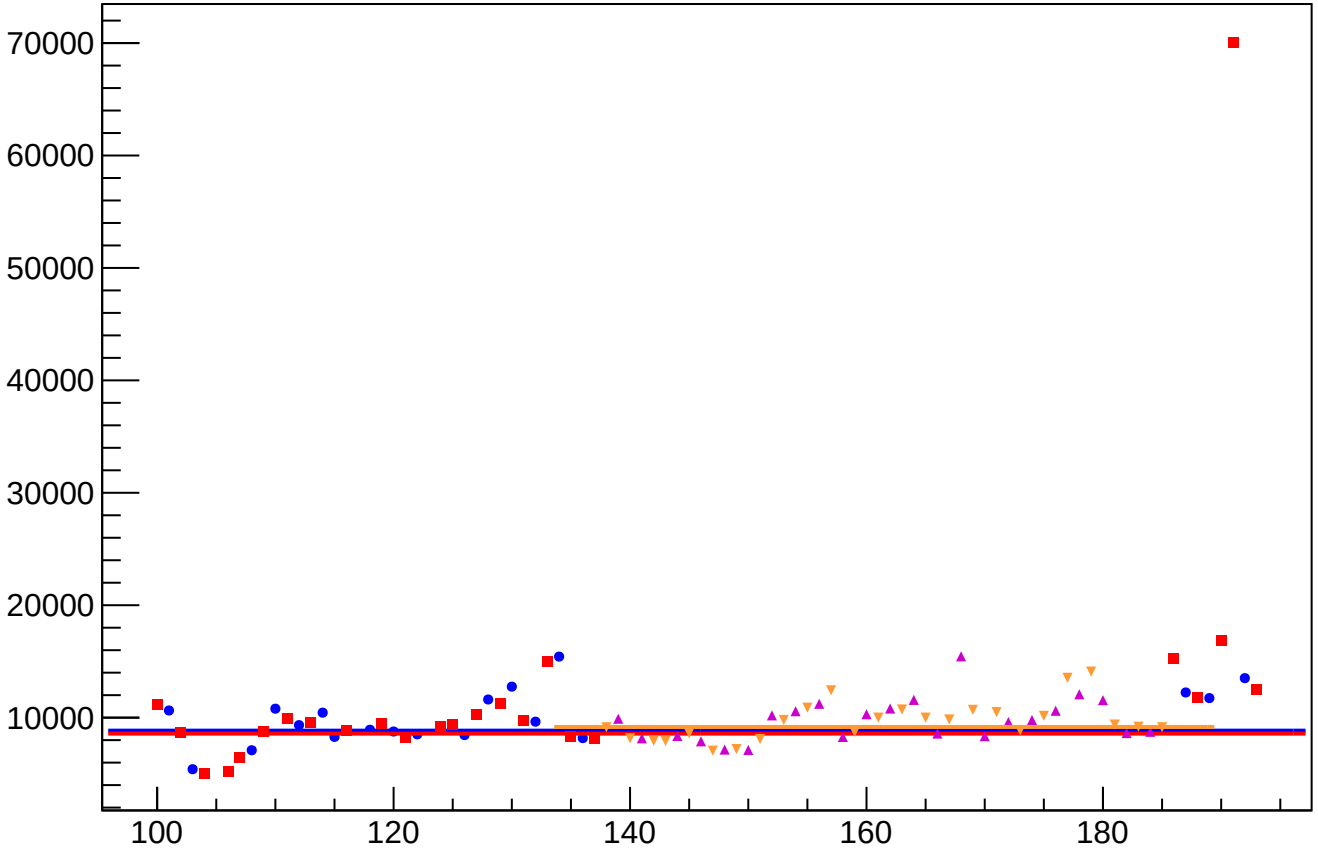
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1794.080+/-1748.804 χ^2/NDF: 45.1/43

All: -1068.358+/-1232.525 χ^2/NDF: 84.2/90

- sign -3893.456+/-1737.360 χ^2/NDF: 33.7/46

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: 8578.808+/-2.034 χ^2/NDF: 1822986.3/23

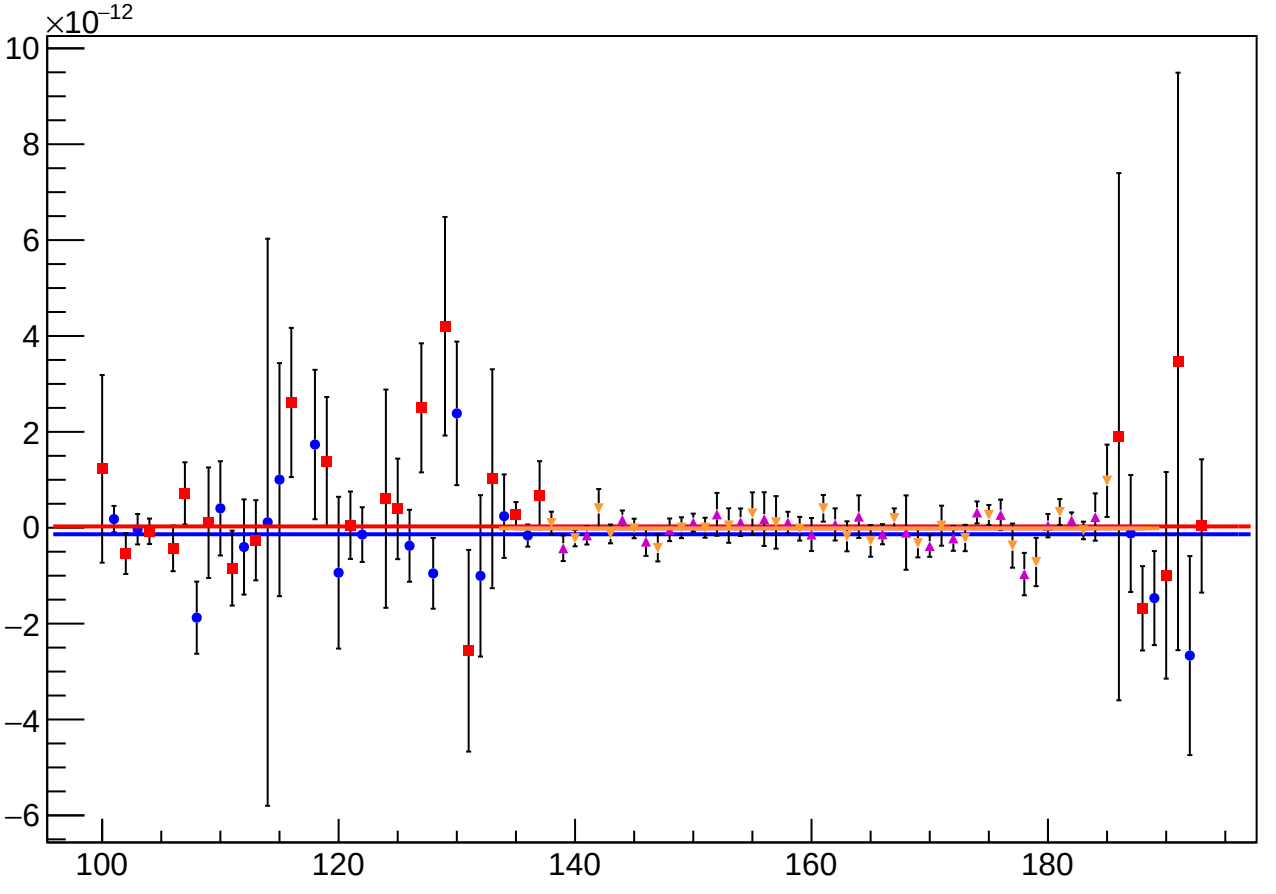
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9066.021+/-1.237 χ^2/NDF: 2311720.5/43

All: 9007.345+/-0.872 χ^2/NDF: 5318983.7/90

- sign 8949.435+/-1.228 χ^2/NDF: 3002789.6/46

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

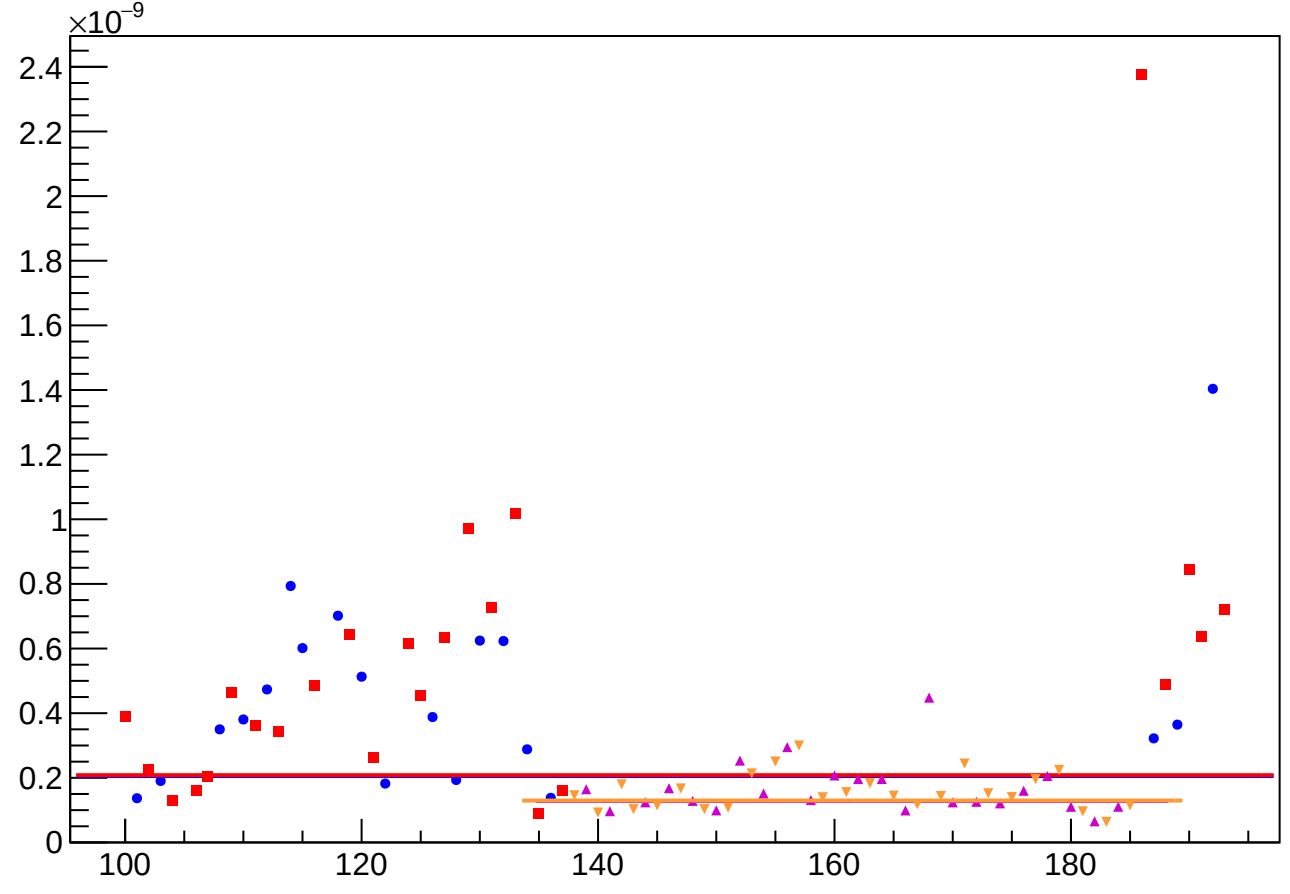
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/23

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: 80.7/90

- sign -0.000+/-0.000 χ^2/NDF: 43.4/46



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: 3063726.8/23

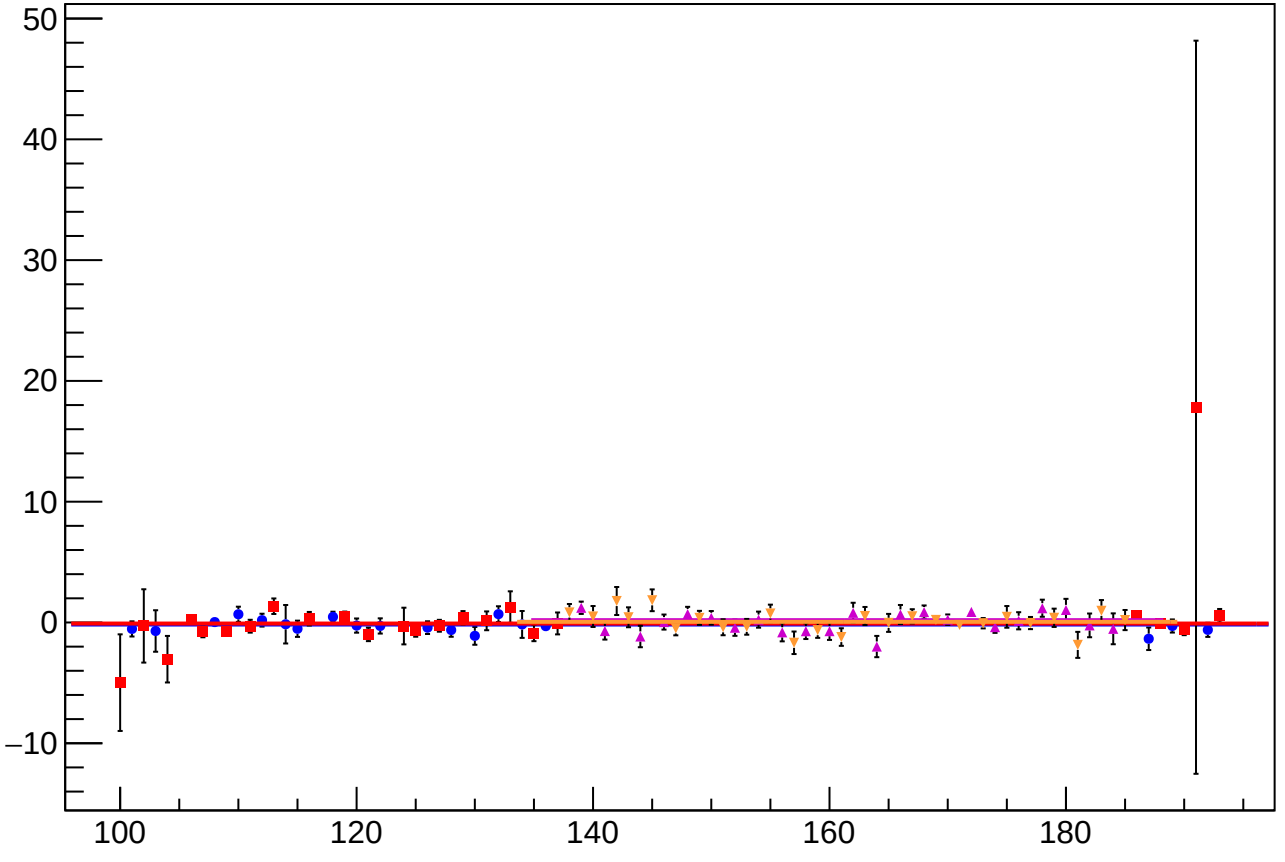
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4048868.7/43

All: 0.000+/-0.000 χ^2/NDF: 9219209.7/90

- sign 0.000+/-0.000 χ^2/NDF: 5170035.7/46

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: -0.088+/-0.106 χ^2/NDF: 30.5/23

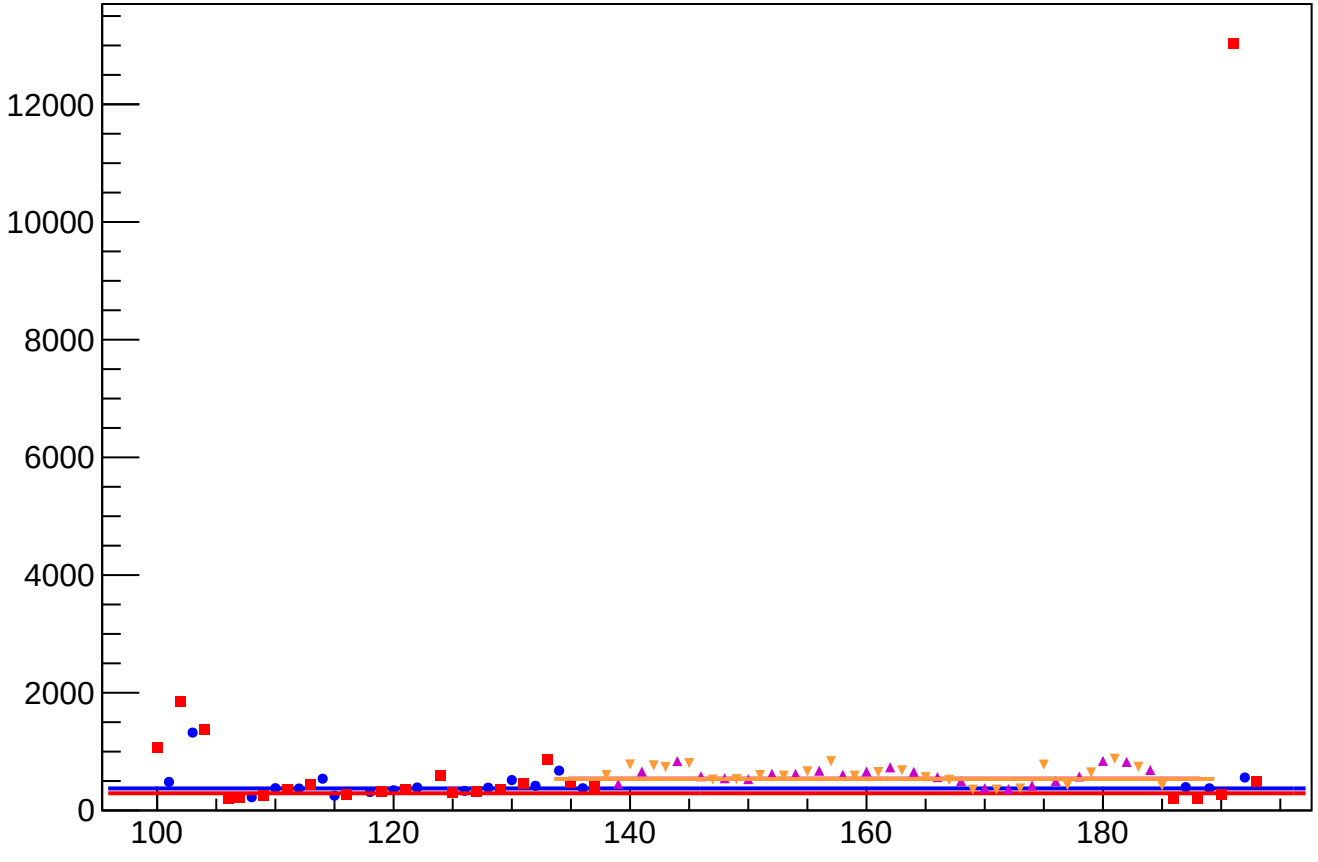
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.053+/-0.093 χ^2/NDF: 38.2/43

All: -0.012+/-0.062 χ^2/NDF: 102.9/90

- sign 0.020+/-0.083 χ^2/NDF: 64.3/46

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: 292.044+/-0.075 χ^2/NDF: 3464850.0/23

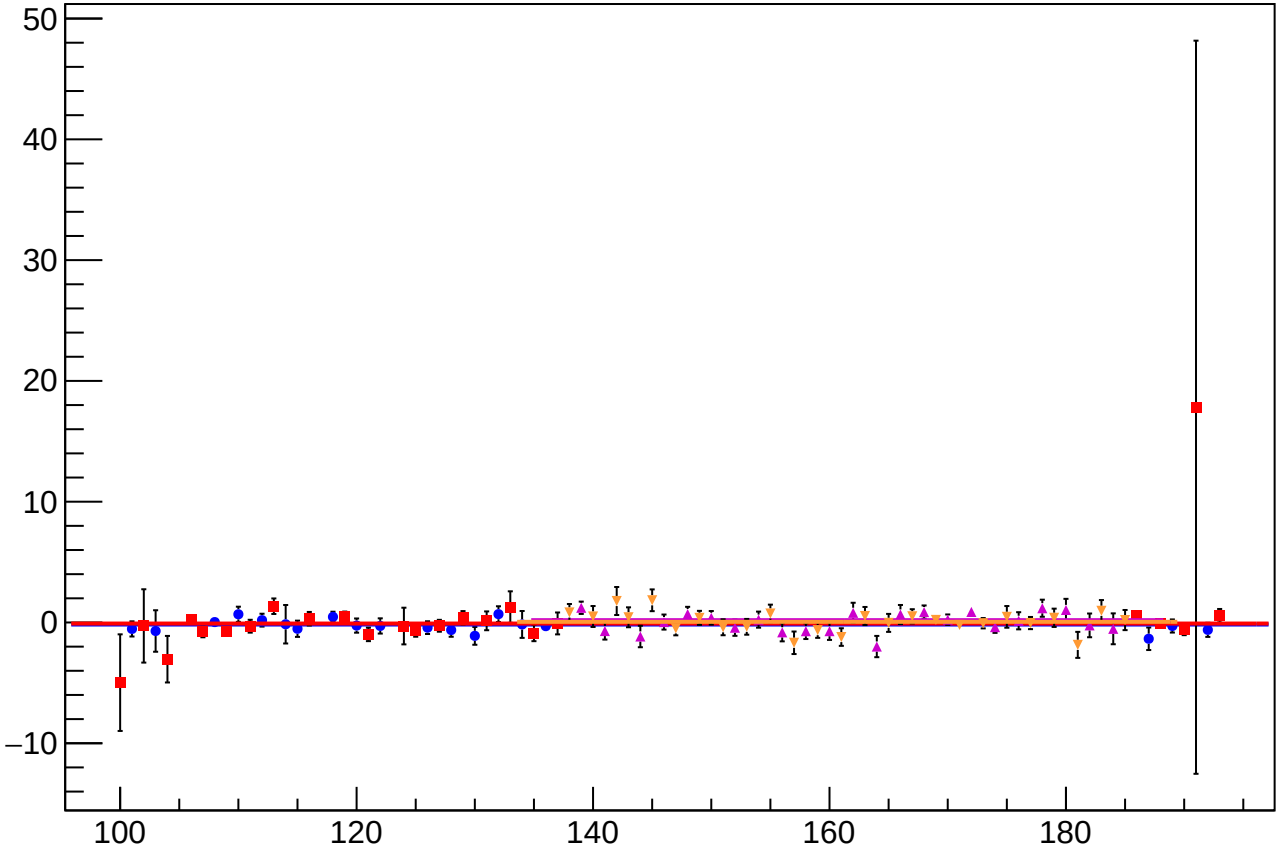
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 458.141+/-0.066 χ^2/NDF: 5846509.5/43

All: 419.083+/-0.044 χ^2/NDF: 16123420.8/90

- sign 388.308+/-0.059 χ^2/NDF: 9650281.5/46

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: -0.088+/-0.106 χ^2/NDF: 30.5/23

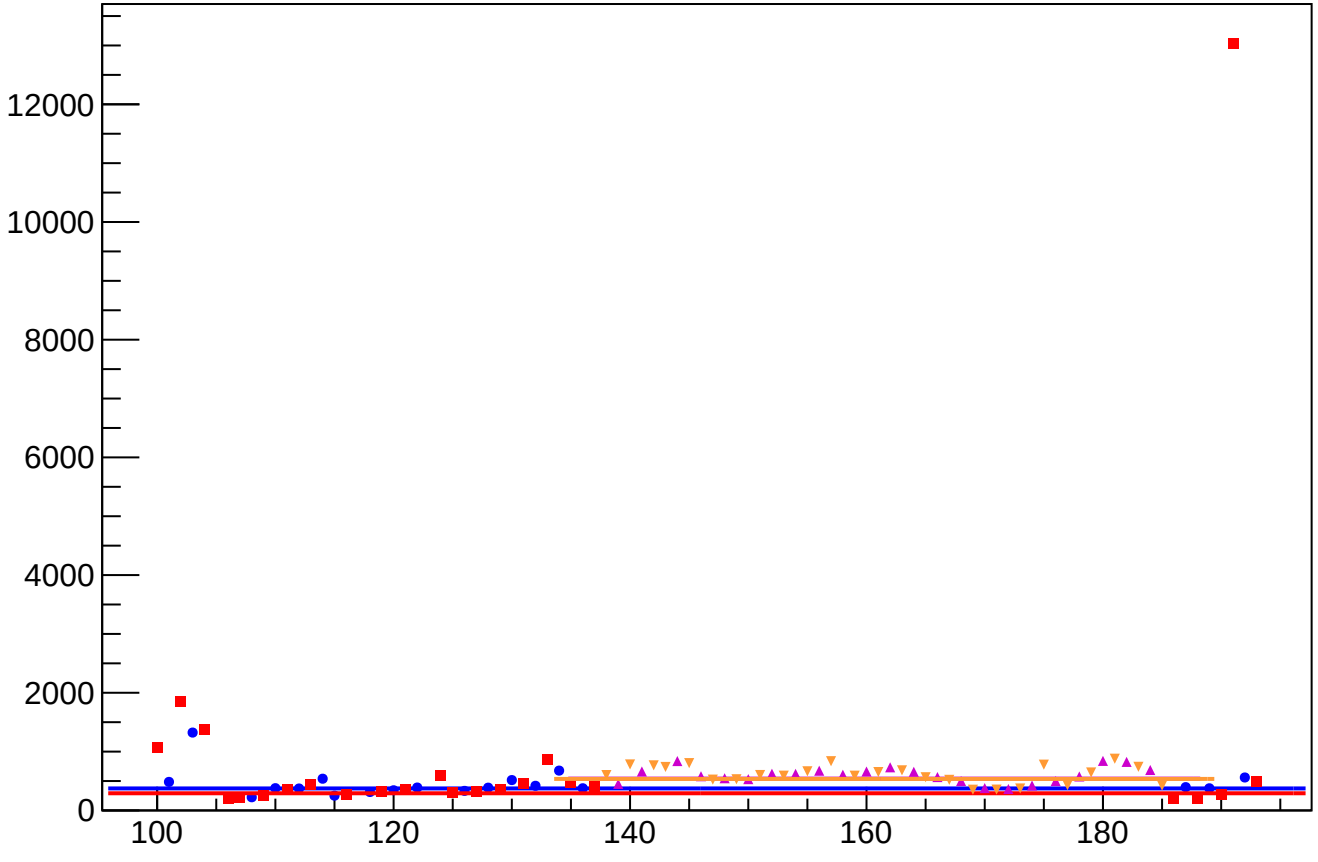
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.053+/-0.093 χ^2/NDF: 38.2/43

All: -0.012+/-0.062 χ^2/NDF: 102.9/90

- sign 0.020+/-0.083 χ^2/NDF: 64.3/46

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

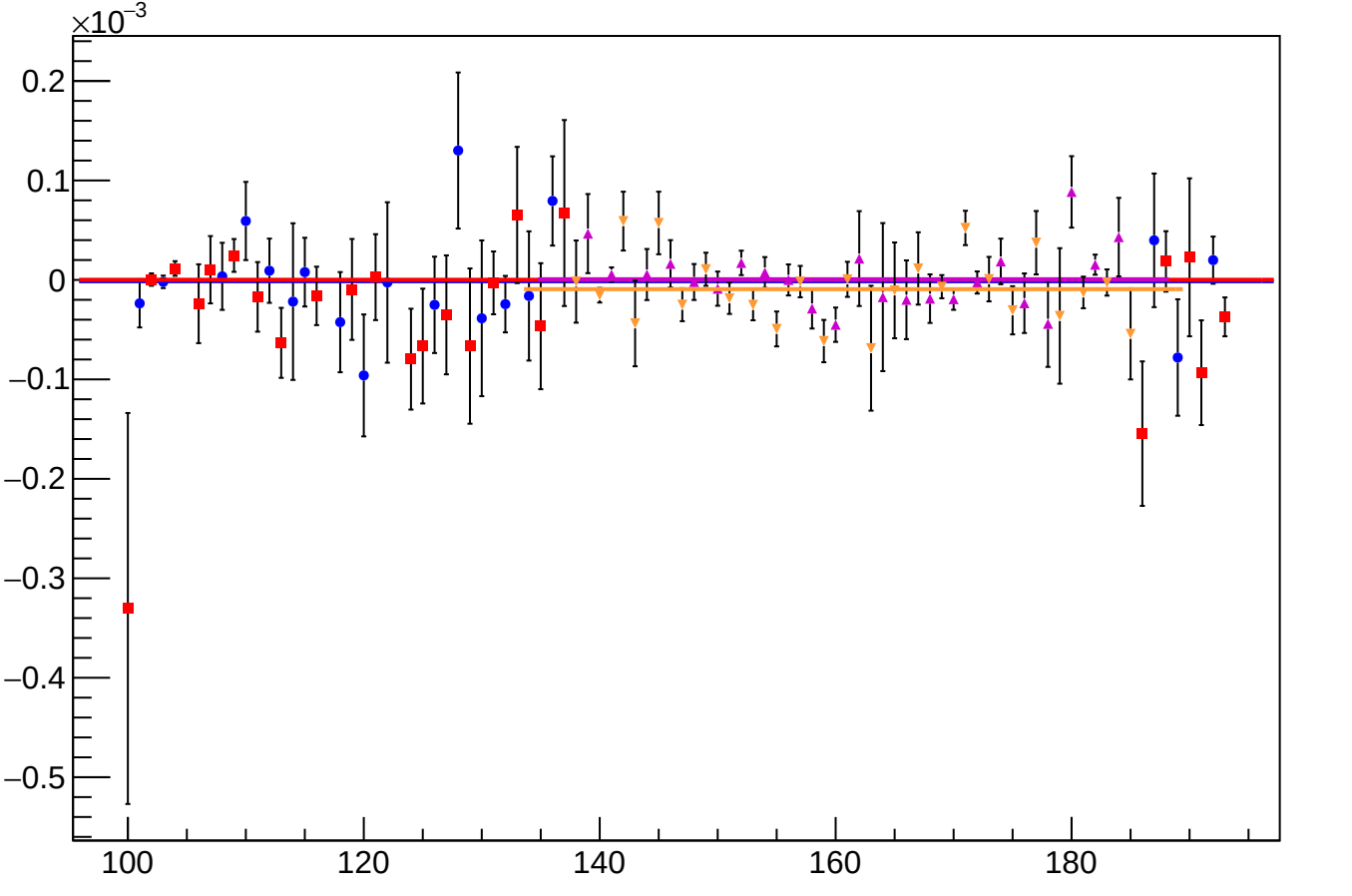
Right Out: 292.044+/-0.075 χ^2/NDF: 3464850.0/23

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 458.141+/-0.066 χ^2/NDF: 5846509.5/43

All: 419.083+/-0.044 χ^2/NDF: 16123420.8/90

- sign 388.308+/-0.059 χ^2/NDF: 9650281.5/46



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: 30.3/23

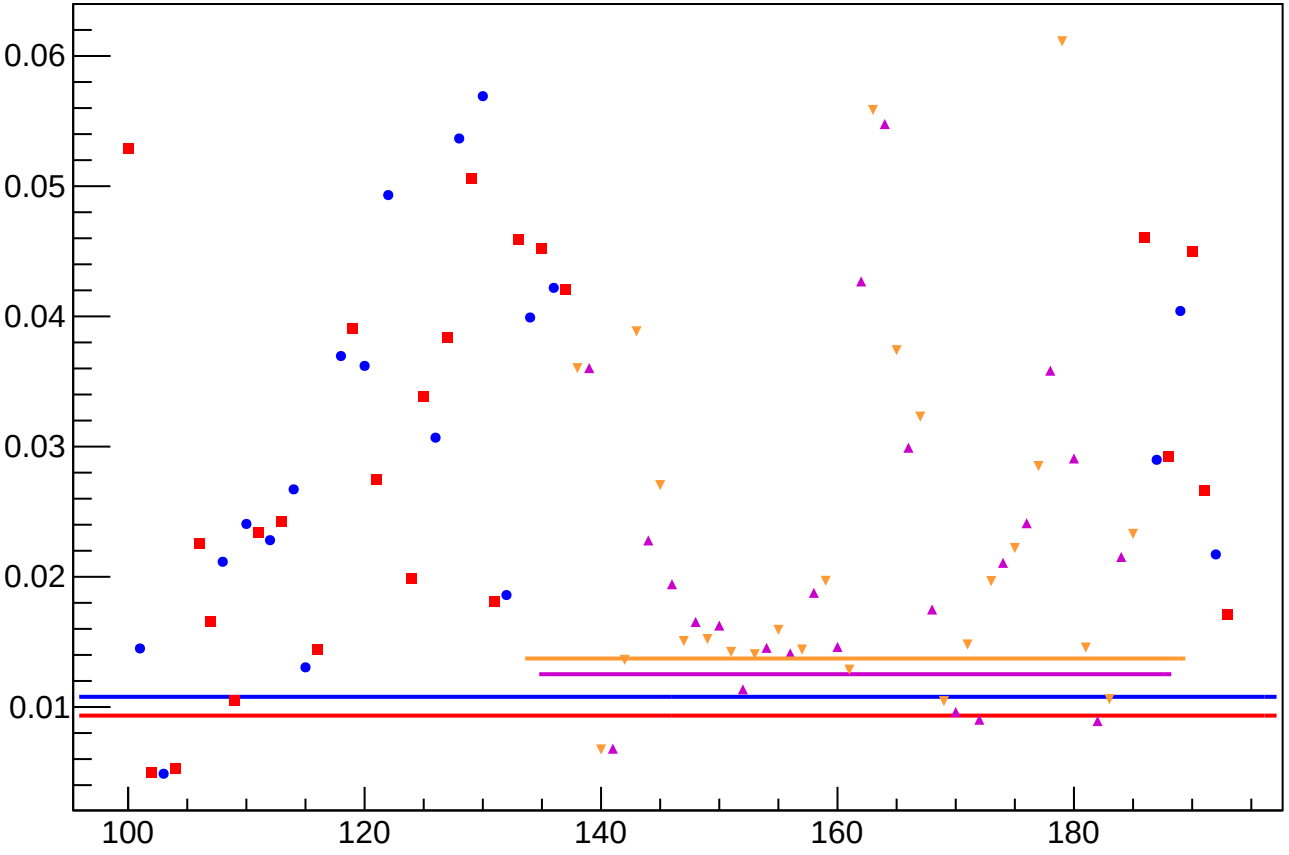
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.4/43

All: -0.000+/-0.000 χ^2/NDF: 127.0/90

- sign 0.000+/-0.000 χ^2/NDF: 60.3/46

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: 9176968.5/23

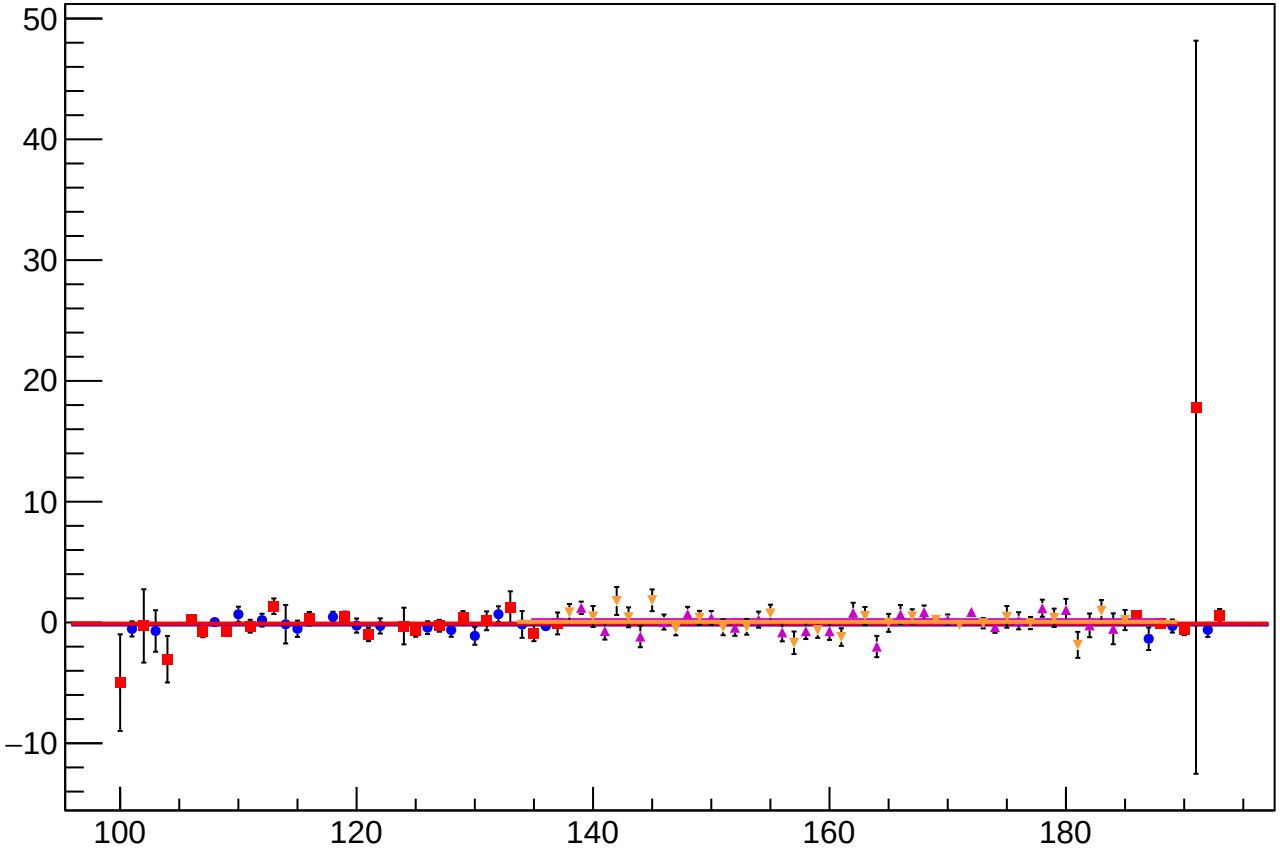
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 16344072.8/43

All: 0.012+/-0.000 χ^2/NDF: 33675088.4/90

- sign 0.011+/-0.000 χ^2/NDF: 17011001.5/46

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: -0.088+/-0.106 χ^2/NDF: 30.5/23

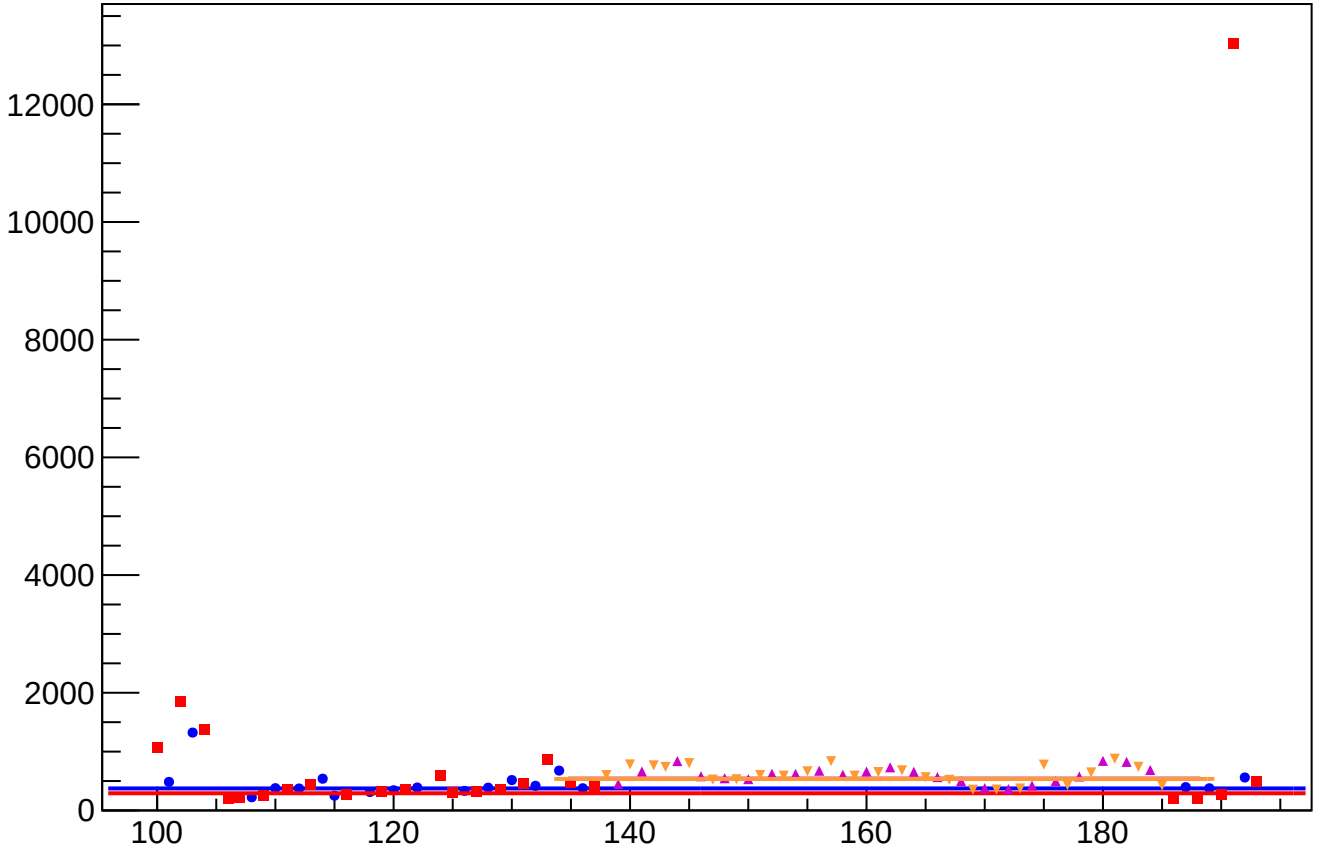
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.053+/-0.093 χ^2/NDF: 38.2/43

All: -0.012+/-0.062 χ^2/NDF: 102.9/90

- sign 0.020+/-0.083 χ^2/NDF: 64.3/46

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: 292.044+/-0.075 χ^2/NDF: 3464781.8/23

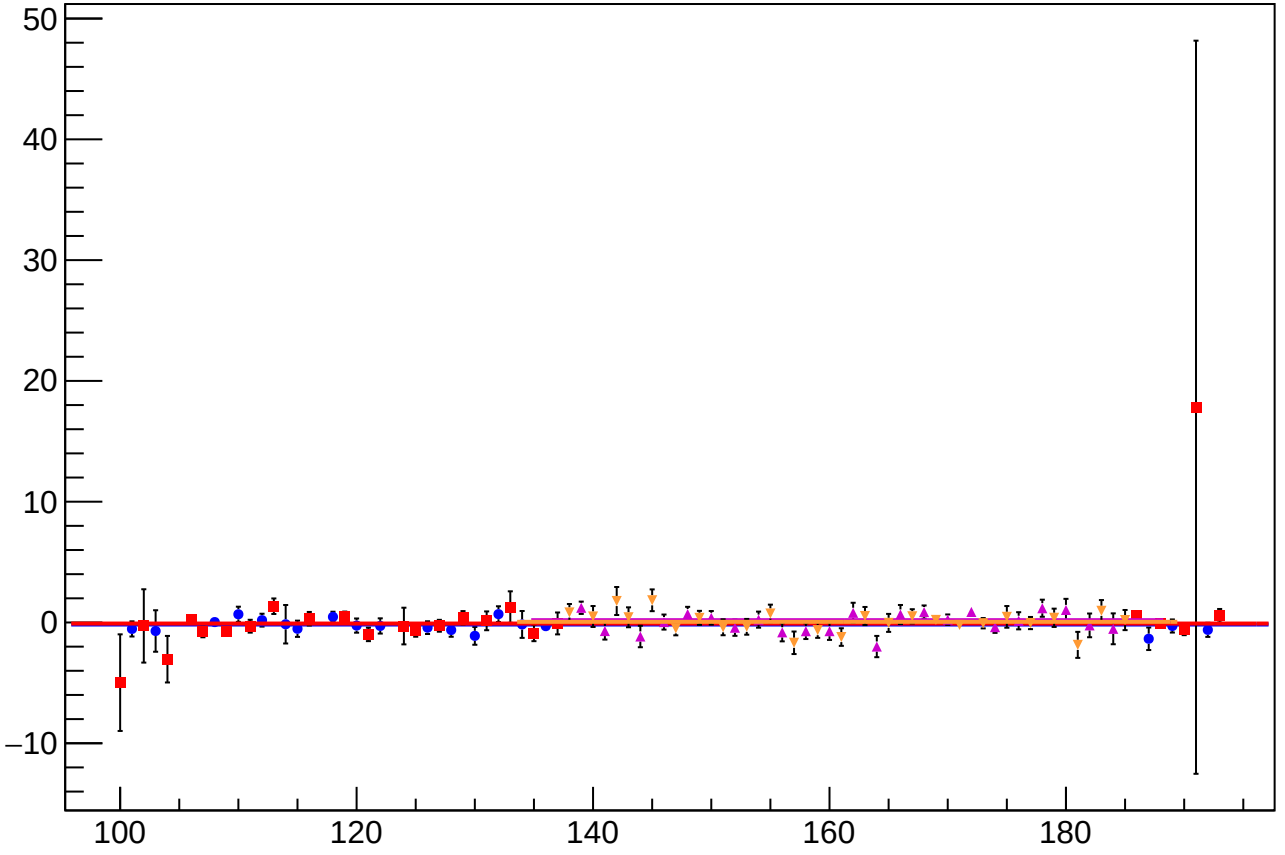
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 458.140+/-0.066 χ^2/NDF: 5846749.5/43

All: 419.083+/-0.044 χ^2/NDF: 16123727.5/90

- sign 388.309+/-0.059 χ^2/NDF: 9650378.4/46

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: -0.088+/-0.106 χ^2/NDF: 30.5/23

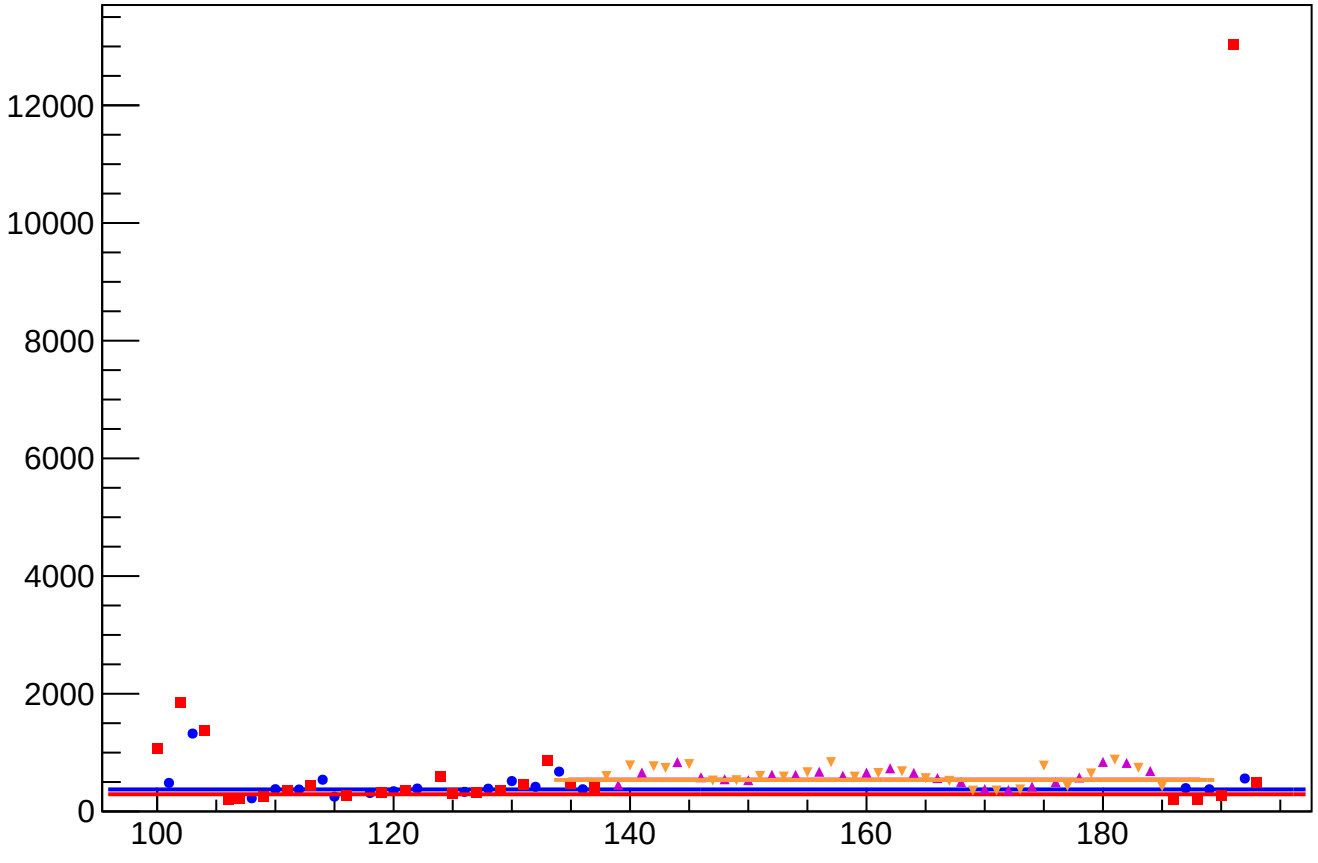
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.053+/-0.093 χ^2/NDF: 38.2/43

All: -0.012+/-0.062 χ^2/NDF: 102.9/90

- sign 0.020+/-0.083 χ^2/NDF: 64.3/46

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: 292.044+/-0.075 χ^2/NDF: 3464781.8/23

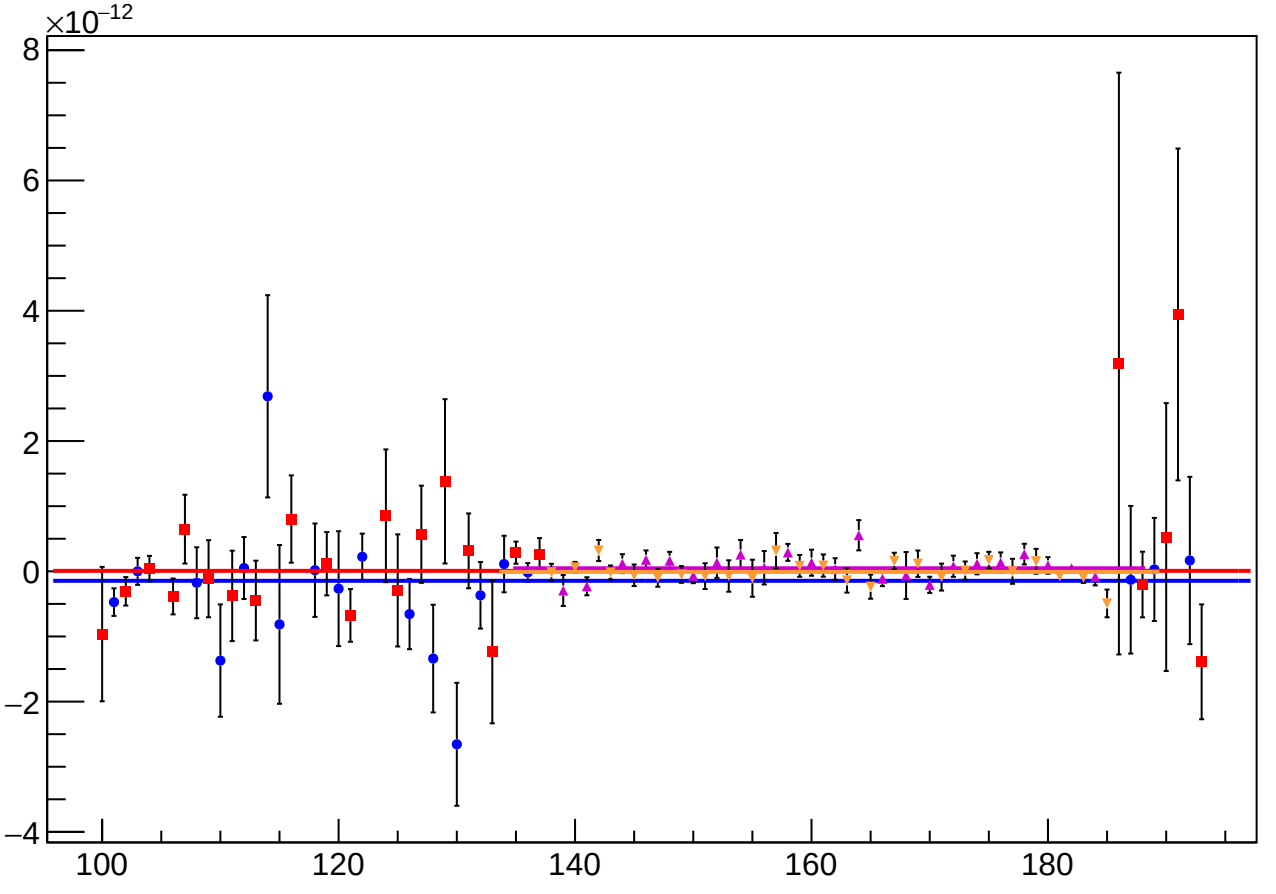
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 458.140+/-0.066 χ^2/NDF: 5846749.5/43

All: 419.083+/-0.044 χ^2/NDF: 16123727.5/90

- sign 388.309+/-0.059 χ^2/NDF: 9650378.4/46

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: 25.1/23

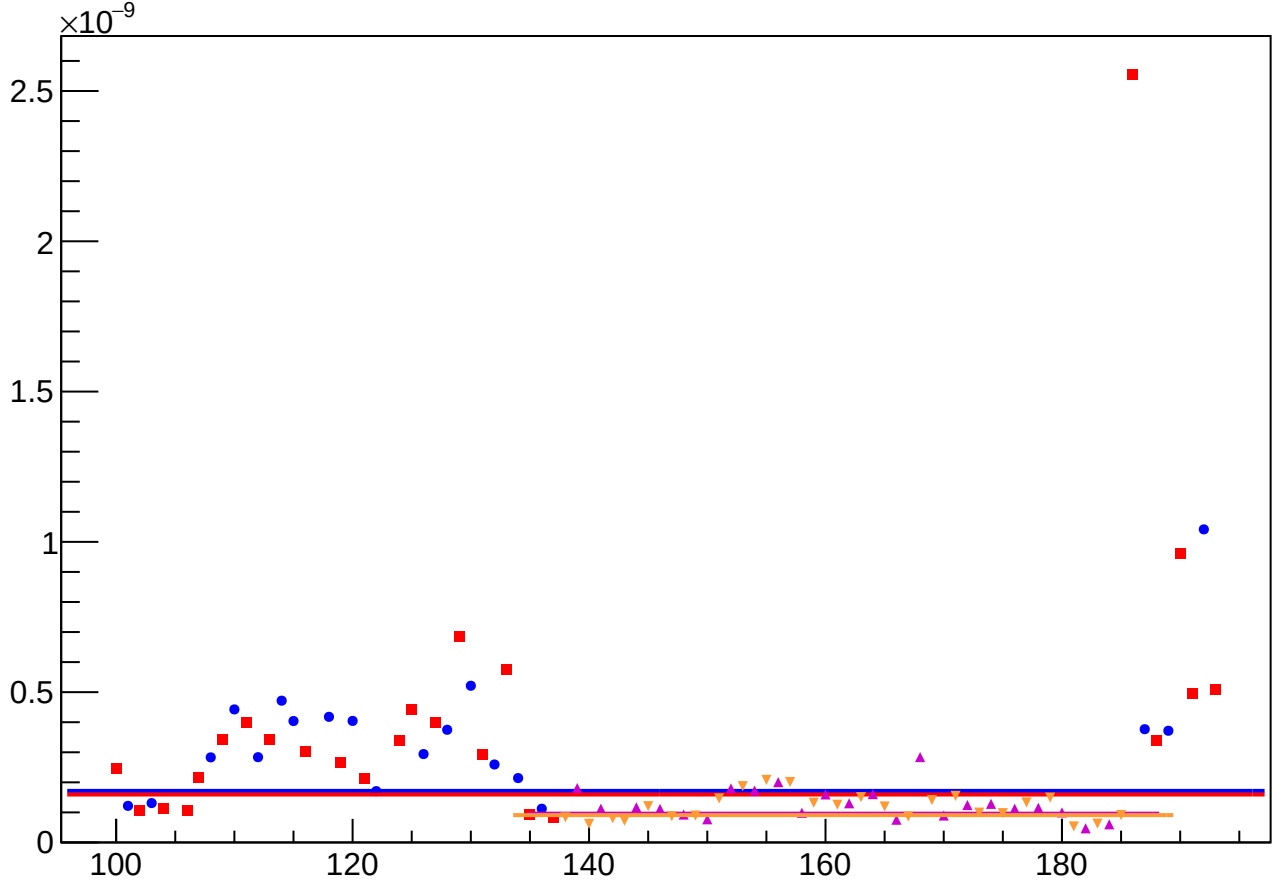
Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.8/43

All: 0.000+/-0.000 χ^2/NDF: 102.0/90

- sign 0.000+/-0.000 χ^2/NDF: 53.5/46

asym_atr2_eigen_cor_vs_cor_diff_rms vs Slug



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: 4359273.1/23

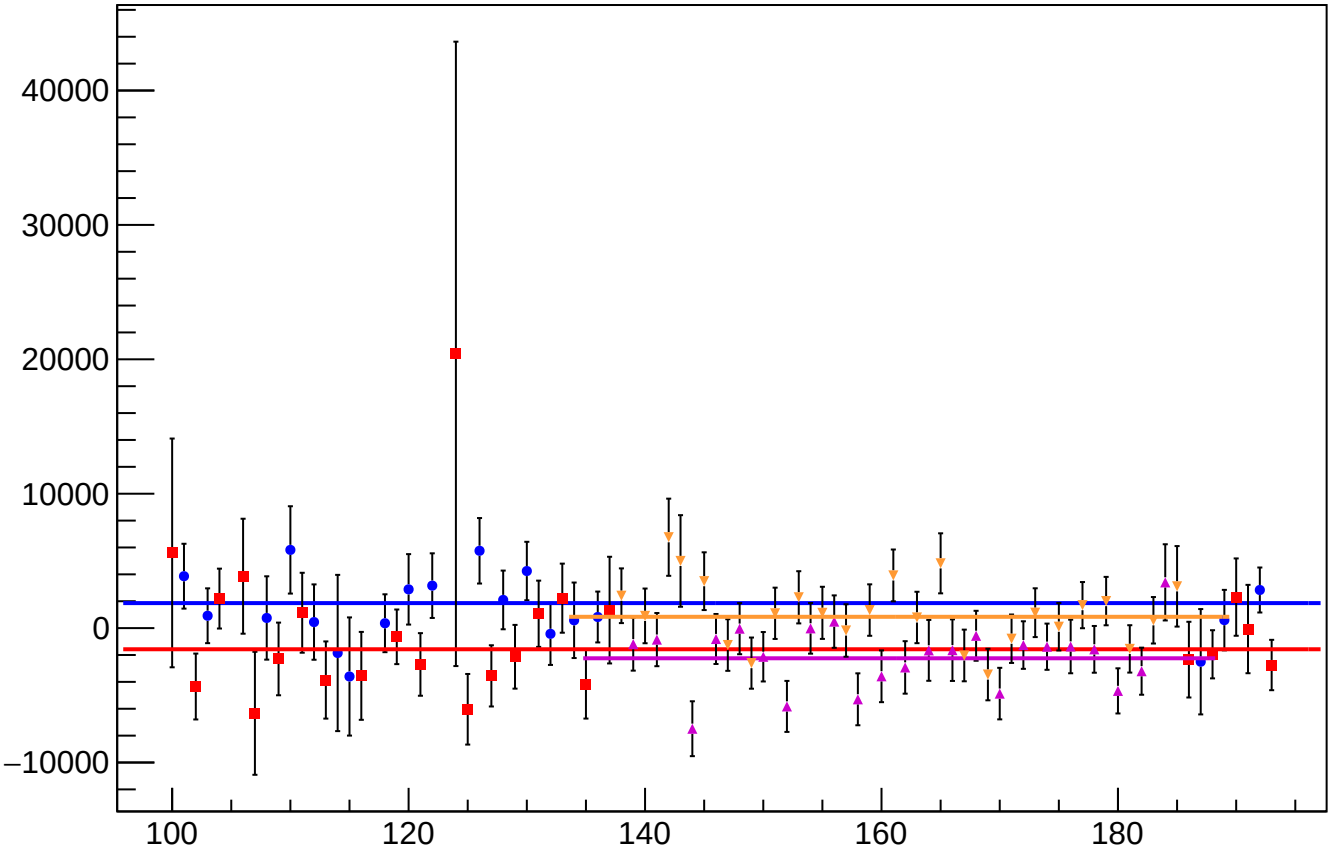
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8087283.4/43

All: 0.000+/-0.000 χ^2/NDF: 17452254.0/90

- sign 0.000+/-0.000 χ^2/NDF: 9337034.8/46

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: -1573.286+/-545.512 χ^2/NDF: 21.9/23

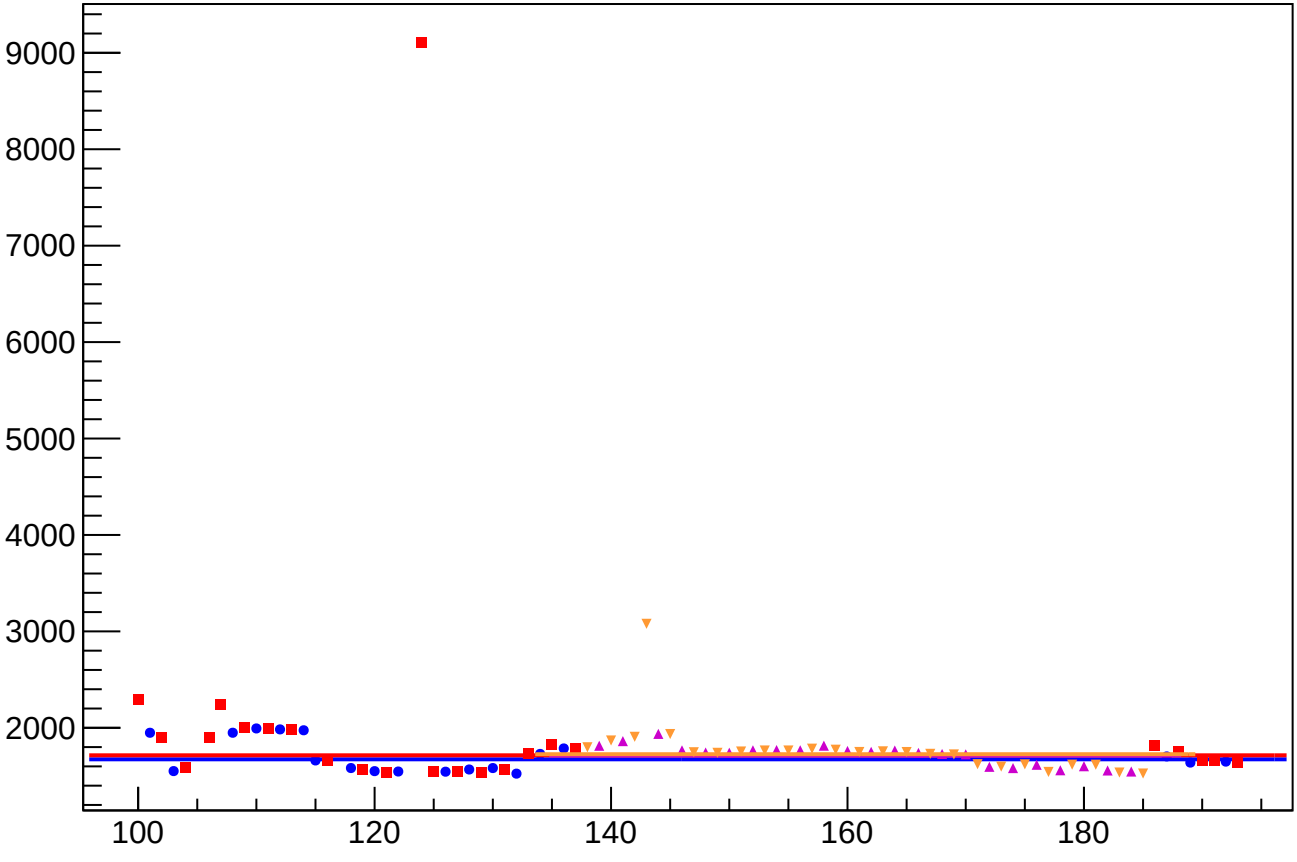
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1177.404+/-323.027 χ^2/NDF: 45.4/43

All: -416.376+/-228.394 χ^2/NDF: 146.4/90

- sign -2009.578+/-322.969 χ^2/NDF: 52.3/46

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: 1714.810+/-0.384 χ^2/NDF: 390985.4/23

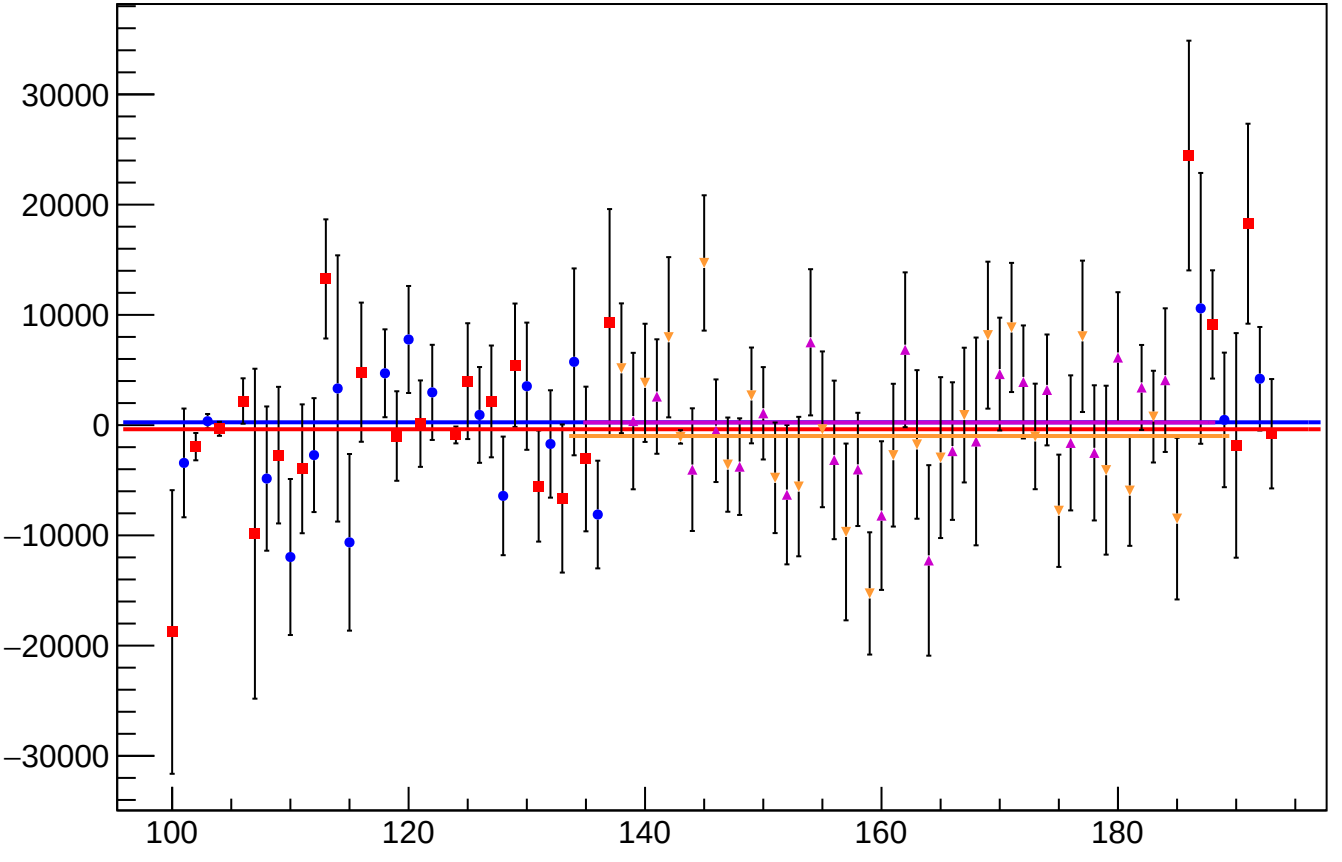
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1708.691+/-0.228 χ^2/NDF: 609301.4/43

All: 1711.218+/-0.161 χ^2/NDF: 1129833.9/90

- sign 1713.738+/-0.228 χ^2/NDF: 520288.1/46

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: -373.331+/-420.513 χ^2/NDF: 32.3/23

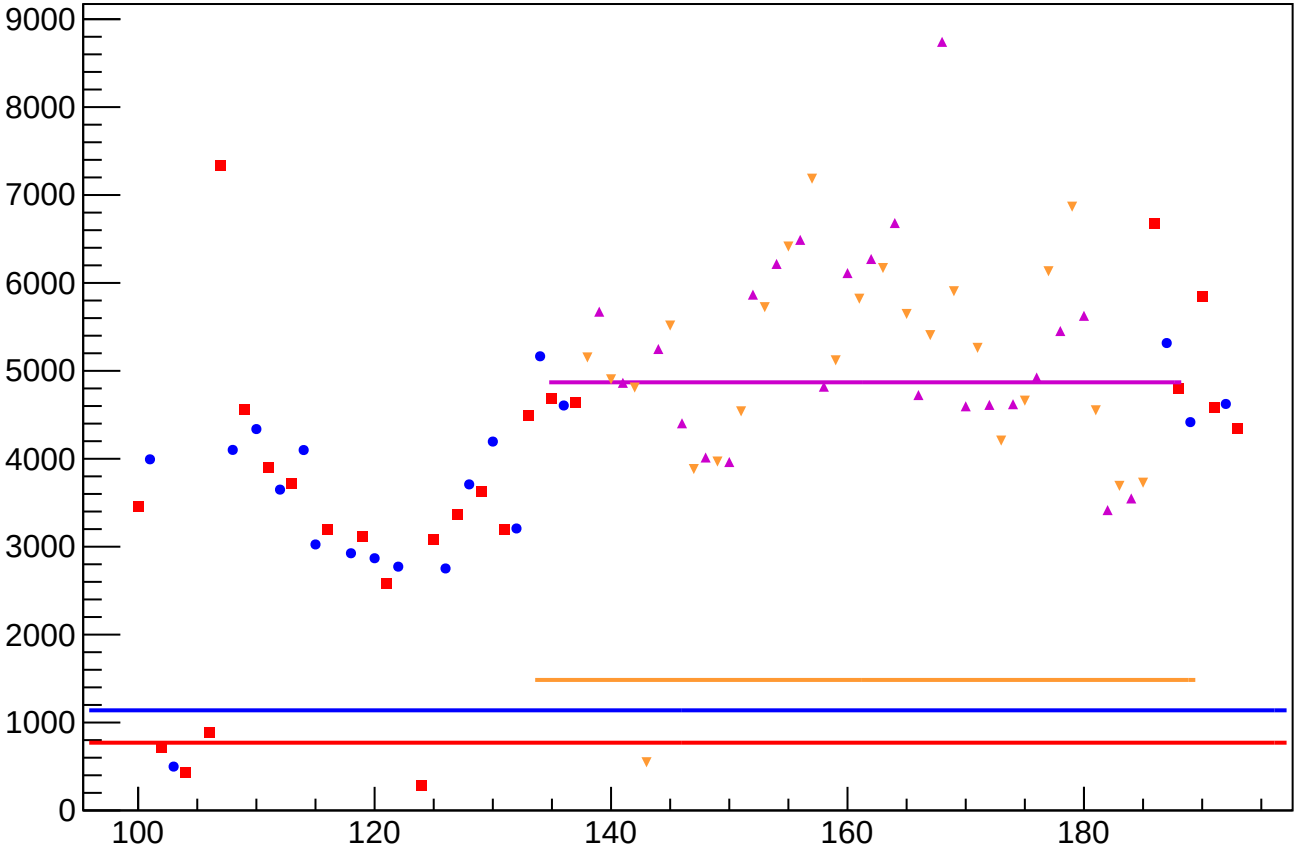
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -412.139+/-396.854 χ^2/NDF: 50.5/43

All: -357.230+/-280.151 χ^2/NDF: 96.7/90

- sign -302.686+/-395.537 χ^2/NDF: 46.1/46

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: 770.690+/-0.297 χ^2/NDF: 12585812.3/23

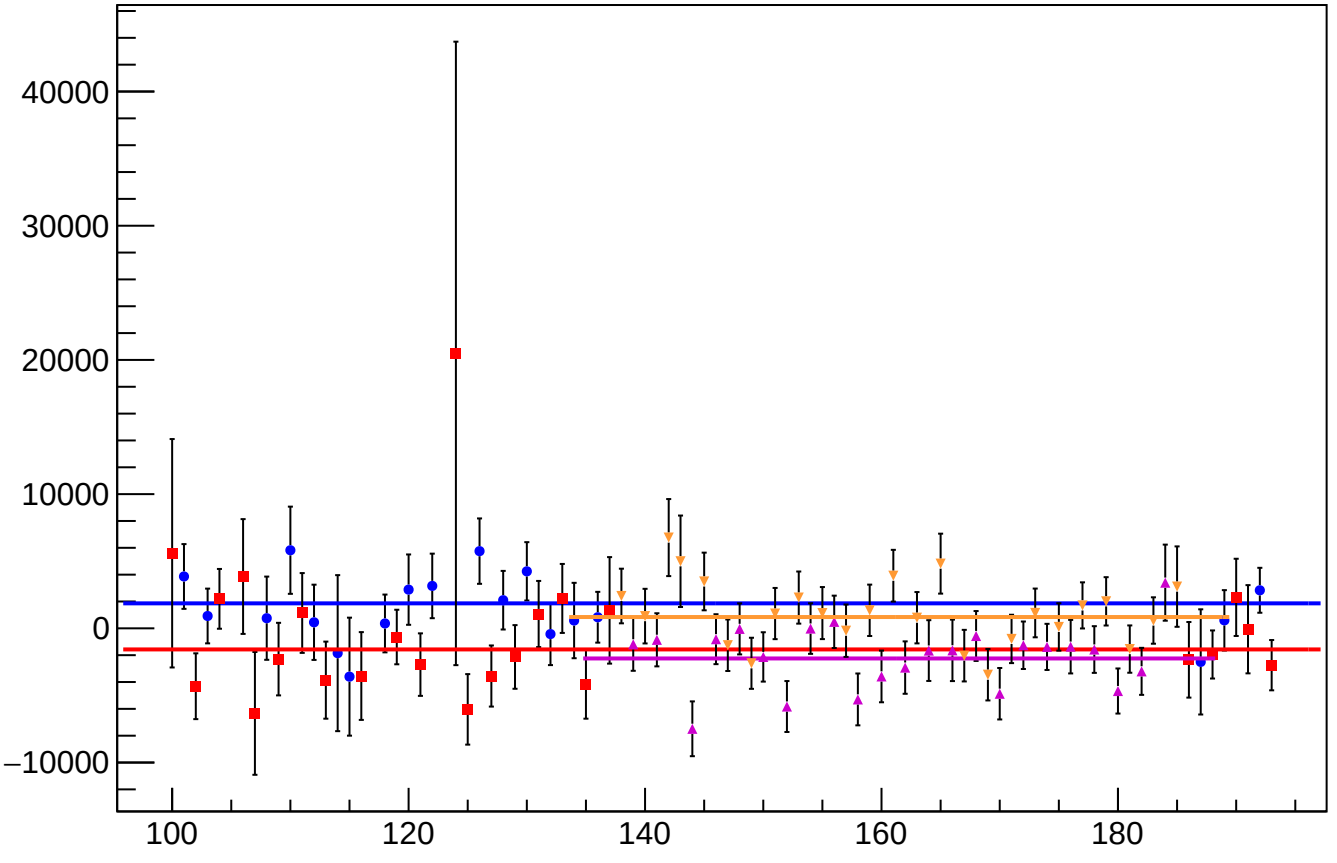
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1324.731+/-0.281 χ^2/NDF: 33675772.5/43

All: 1283.806+/-0.198 χ^2/NDF: 69681910.1/9

- sign 1243.152+/-0.280 χ^2/NDF: 35963740.0/46

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: -1571.483+/-545.515 χ^2/NDF: 21.9/23

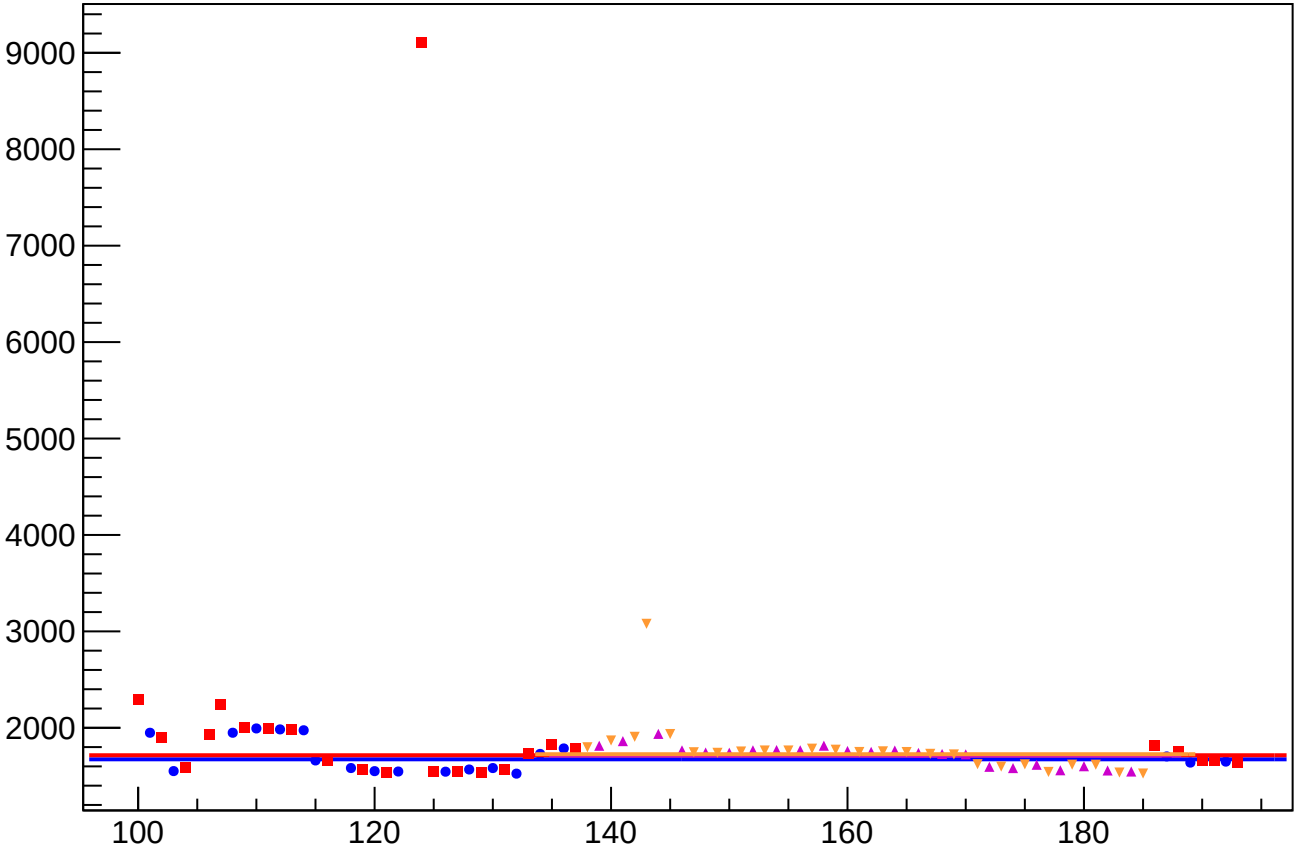
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1177.436+/-323.027 χ^2/NDF: 45.4/43

All: -416.048+/-228.394 χ^2/NDF: 146.4/90

- sign -2008.960+/-322.969 χ^2/NDF: 52.3/46

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

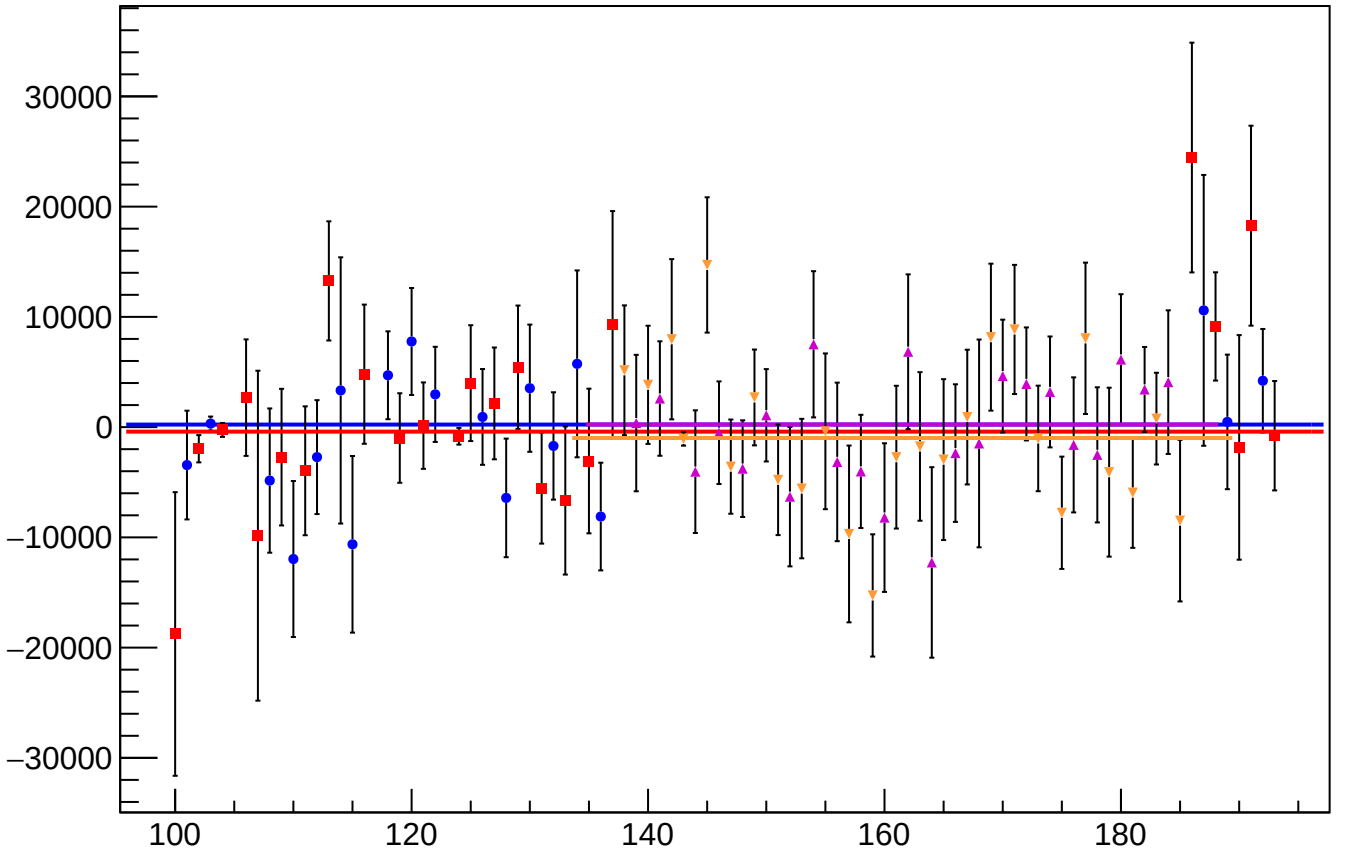
Right Out: 1715.411+/-0.385 χ^2/NDF: 392757.9/23

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1708.691+/-0.228 χ^2/NDF: 609301.5/43

All: 1711.323+/-0.161 χ^2/NDF: 1131637.6/90

- sign 1713.949+/-0.228 χ^2/NDF: 522070.8/46



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: -408.866+/-426.175 χ^2/NDF: 31.1/23

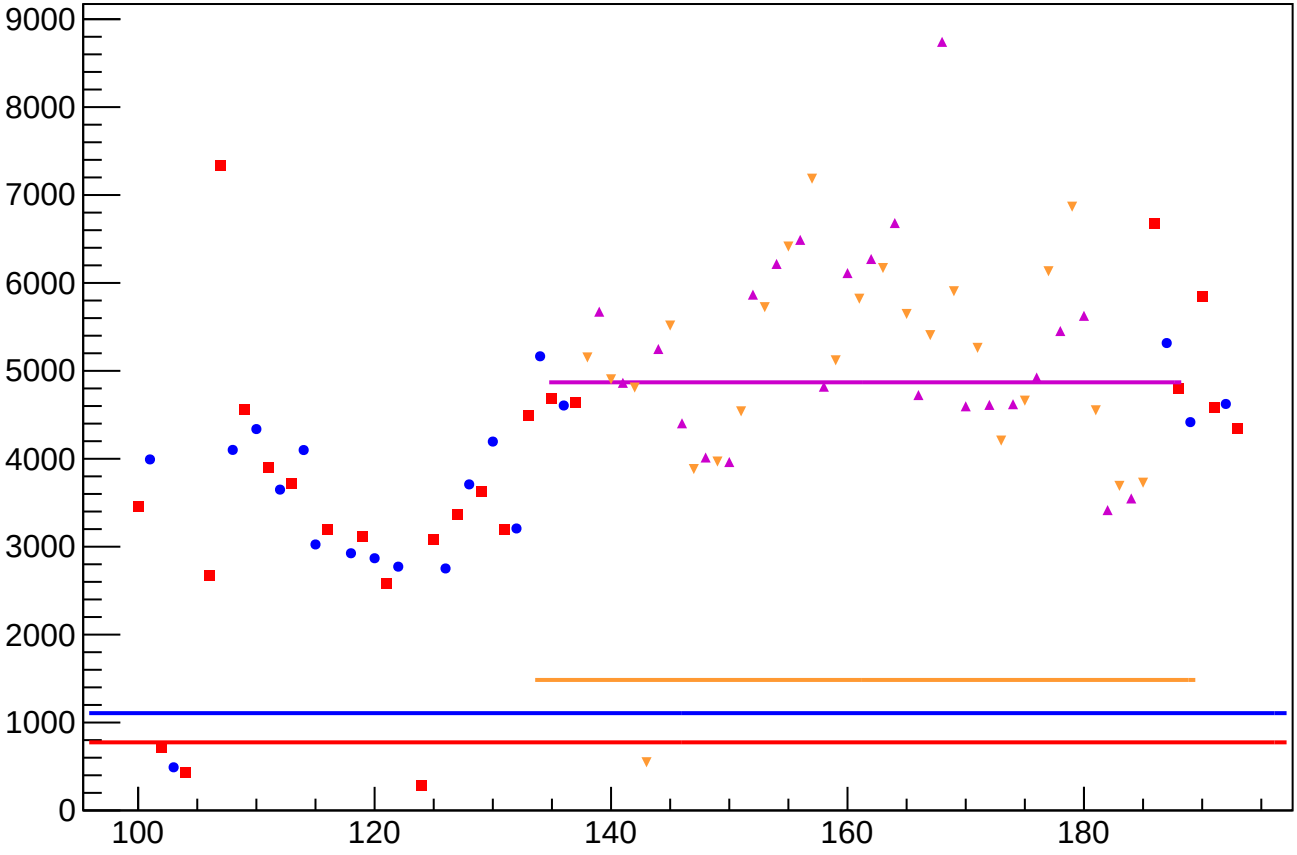
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -411.037+/-393.085 χ^2/NDF: 50.5/43

All: -372.403+/-280.448 χ^2/NDF: 95.4/90

\- sign -332.350+/-400.237 χ^2/NDF: 44.9/46

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: 774.640+/-0.301 χ^2/NDF: 12859330.8/23

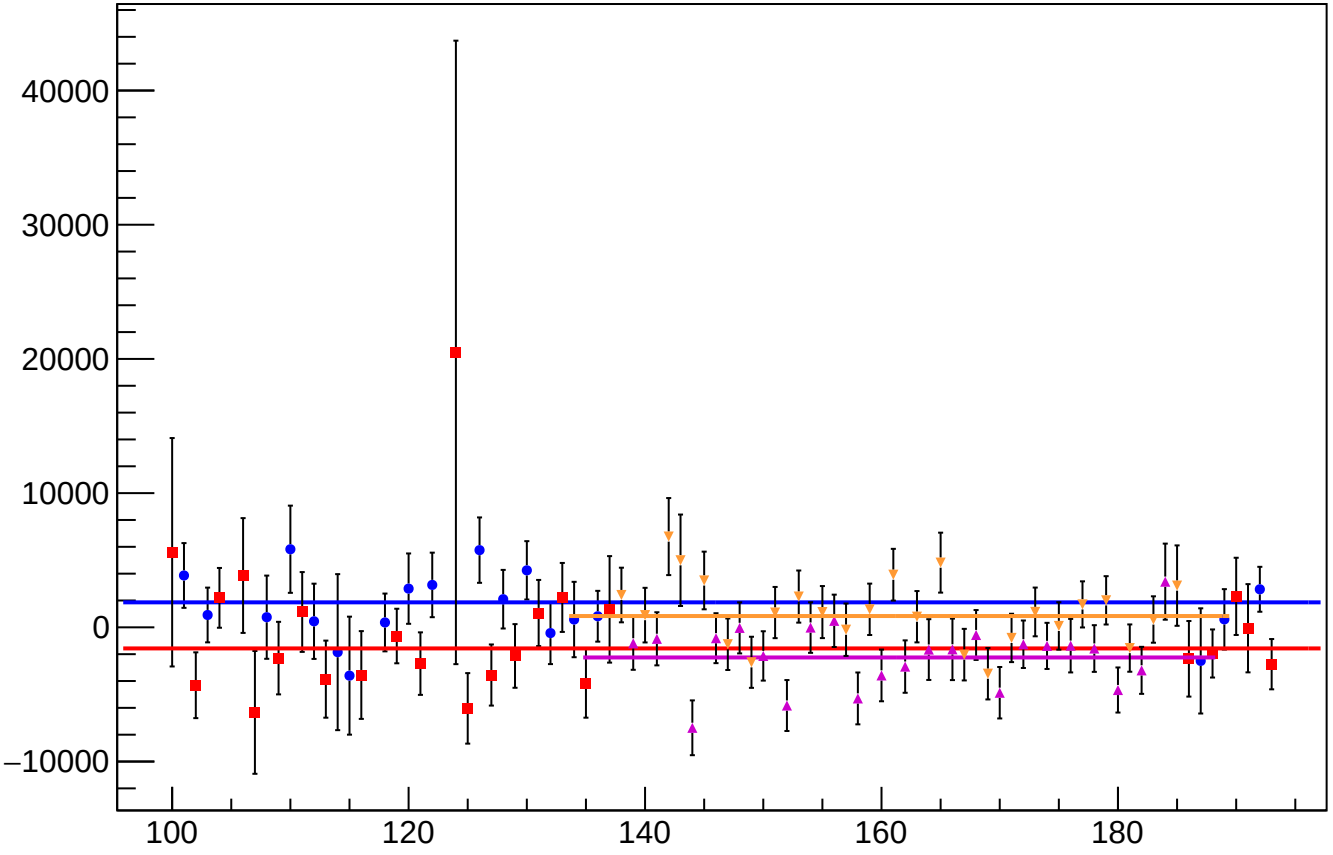
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1306.022+/-0.278 χ^2/NDF: 33904609.1/43

All: 1282.411+/-0.198 χ^2/NDF: 70046264.8/9

- sign 1257.933+/-0.283 χ^2/NDF: 36126958.9/46

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: -1571.483+/-545.515 χ^2/NDF: 21.9/23

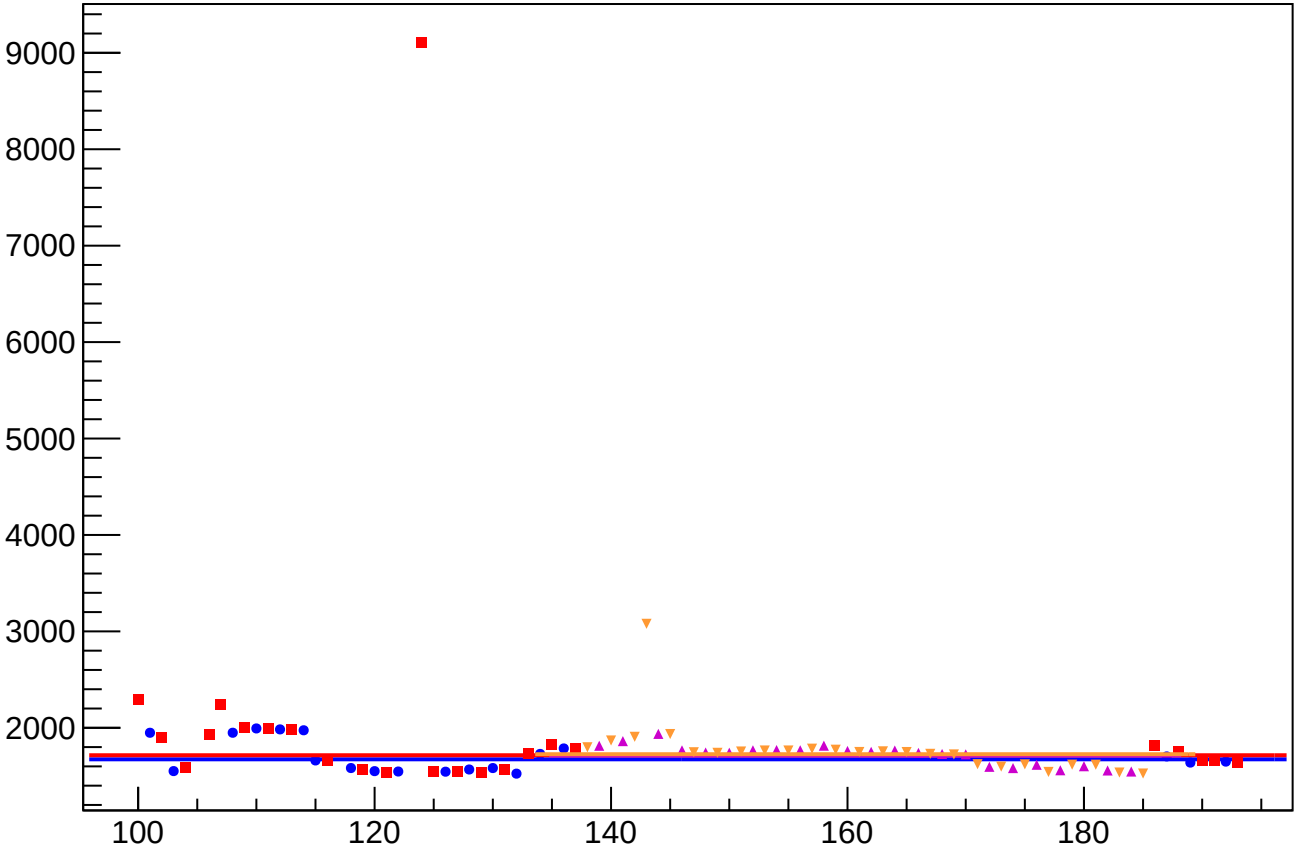
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1177.436+/-323.027 χ^2/NDF: 45.4/43

All: -416.048+/-228.394 χ^2/NDF: 146.4/90

- sign -2008.960+/-322.969 χ^2/NDF: 52.3/46

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: 1715.411+/-0.385 χ^2/NDF: 392757.9/23

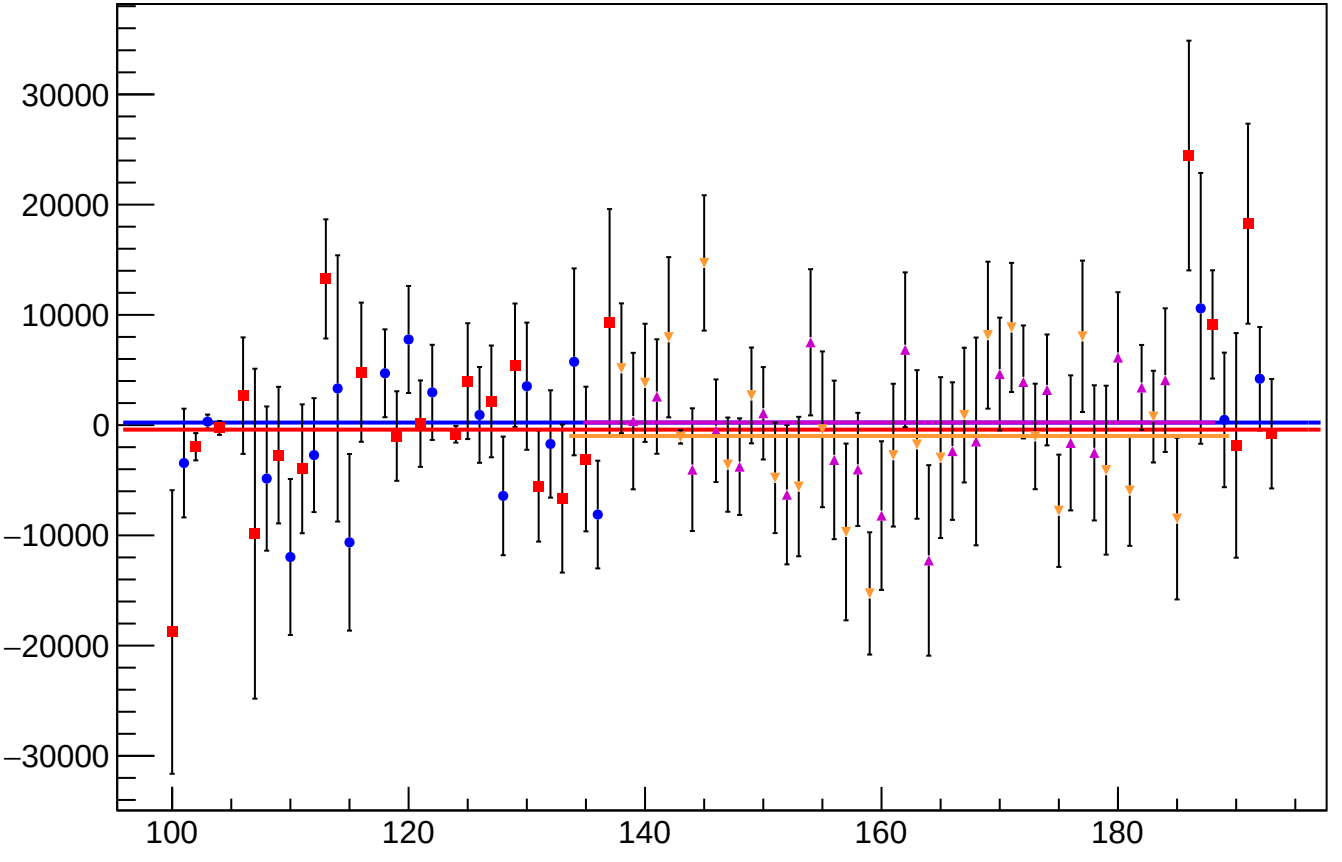
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1708.691+/-0.228 χ^2/NDF: 609301.5/43

All: 1711.323+/-0.161 χ^2/NDF: 1131637.6/90

- sign 1713.949+/-0.228 χ^2/NDF: 522070.8/46

asym_atl_avg_eigen_cor_correction_mean vs Slug



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: -408.866+/-426.175 χ^2/NDF: 31.1/23

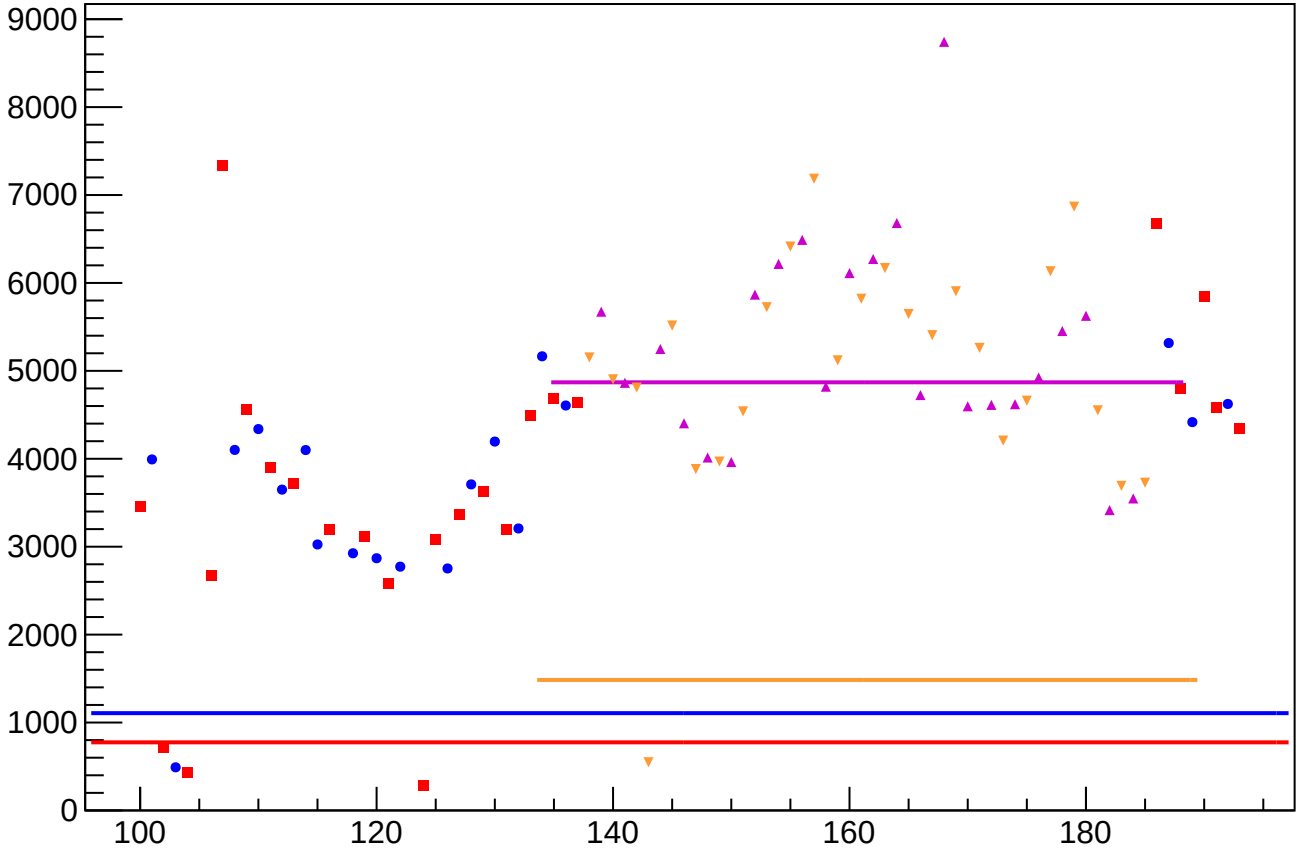
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -411.037+/-393.085 χ^2/NDF: 50.5/43

All: -372.403+/-280.448 χ^2/NDF: 95.4/90

- sign -332.350+/-400.237 χ^2/NDF: 44.9/46

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: 774.640+/-0.301 χ^2/NDF: 12859330.8/23

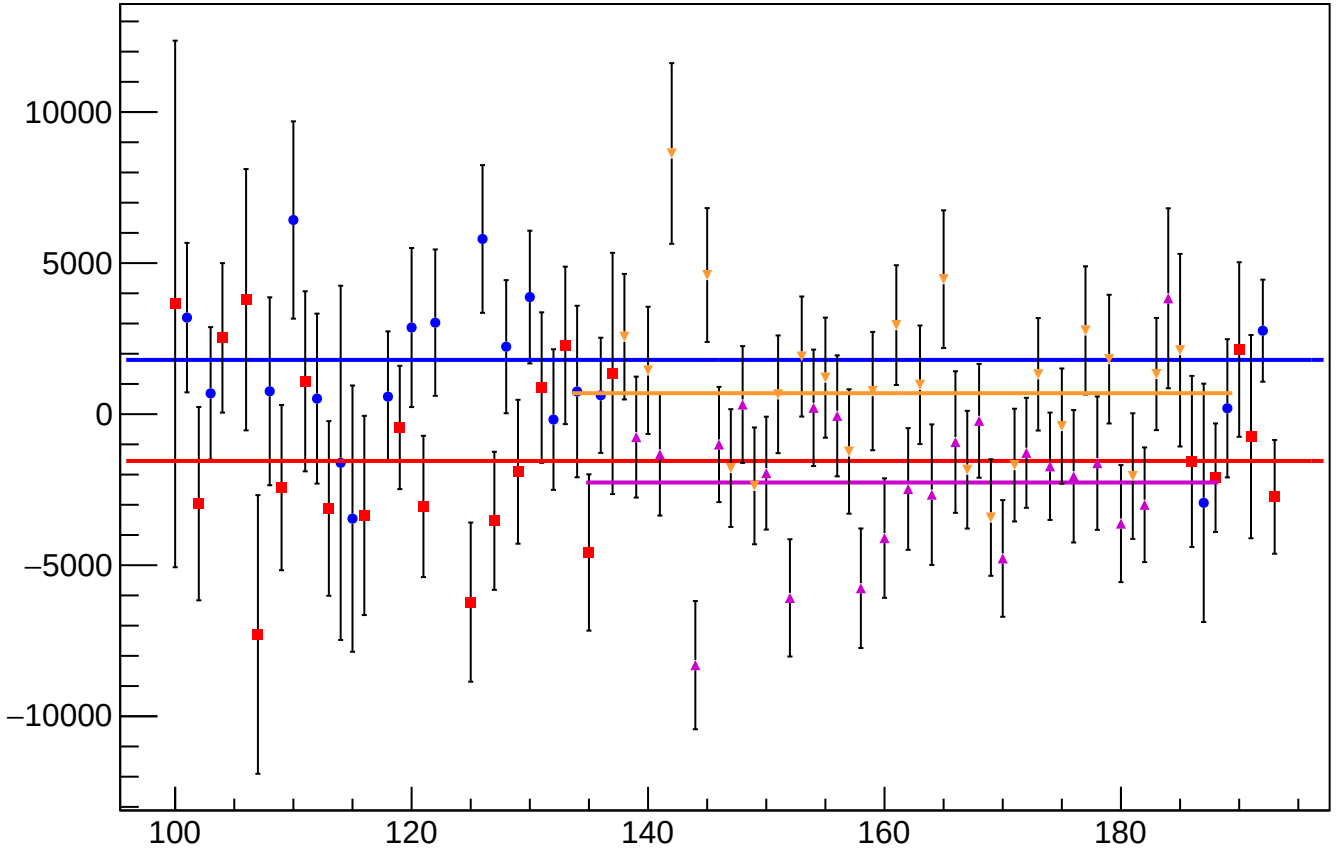
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1306.022+/-0.278 χ^2/NDF: 33904609.1/43

All: 1282.411+/-0.198 χ^2/NDF: 70046264.8/9

- sign 1257.933+/-0.283 χ^2/NDF: 36126958.9/46

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: -1548.978+/-557.891 χ^2/NDF: 19.6/22

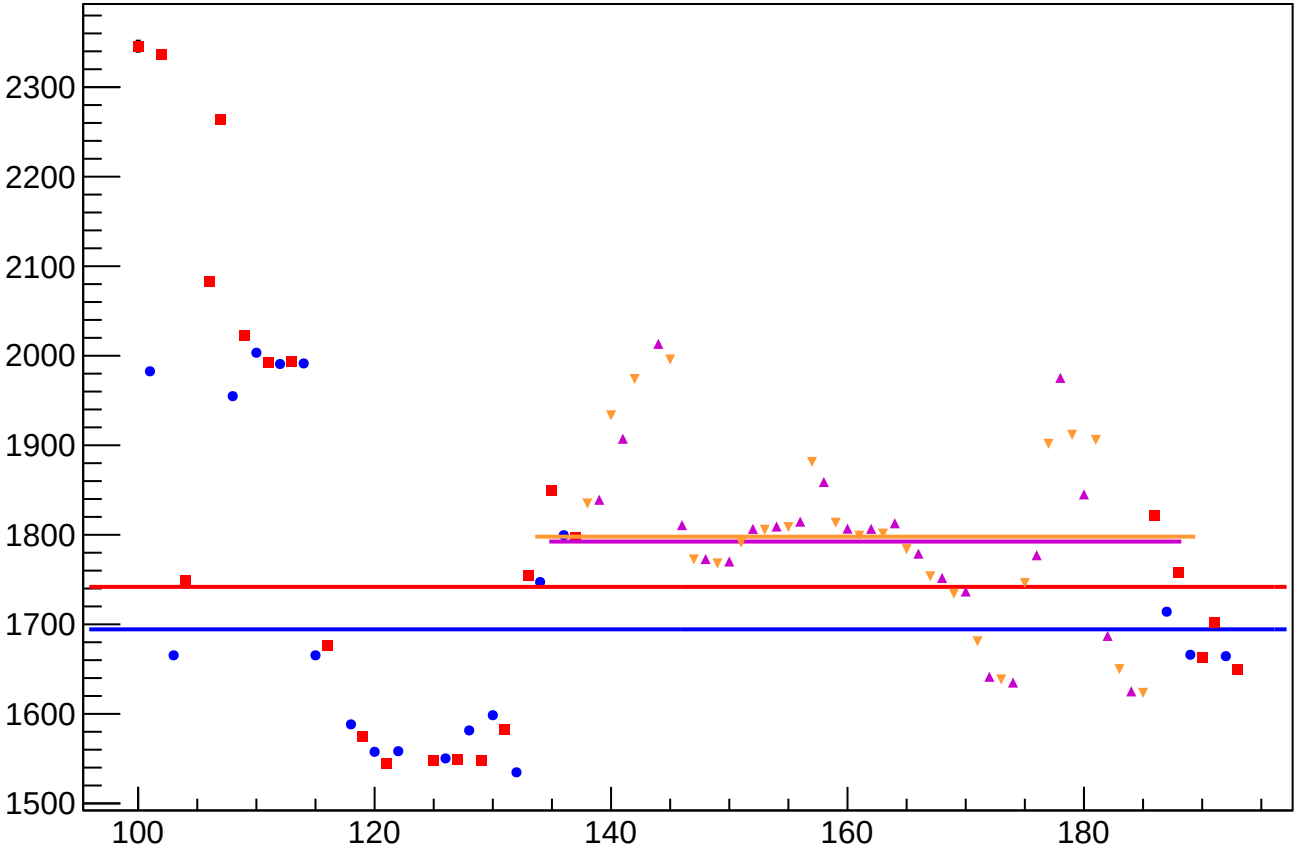
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1079.481+/-337.163 χ^2/NDF: 47.2/42

All: -471.903+/-237.685 χ^2/NDF: 140.3/88

- sign -2004.568+/-335.123 χ^2/NDF: 51.1/45

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

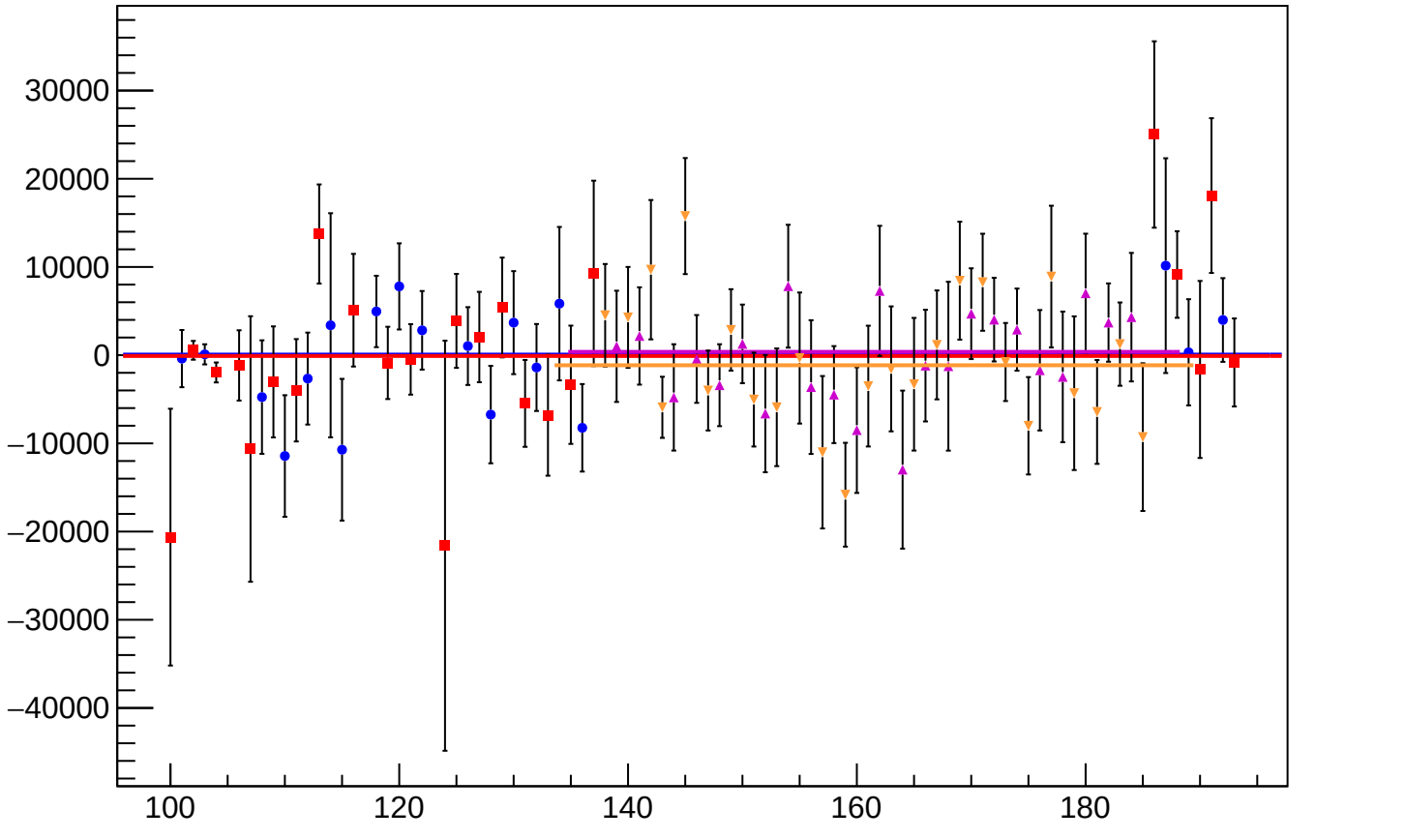
Right Out: 1741.839+/-0.394 χ^2/NDF: 256779.6/22

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1761.735+/-0.238 χ^2/NDF: 277426.0/42

All: 1767.984+/-0.168 χ^2/NDF: 638988.1/88

- sign 1774.150+/-0.237 χ^2/NDF: 360197.2/45



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: -90.330+/-662.033 χ^2/NDF: 32.3/23

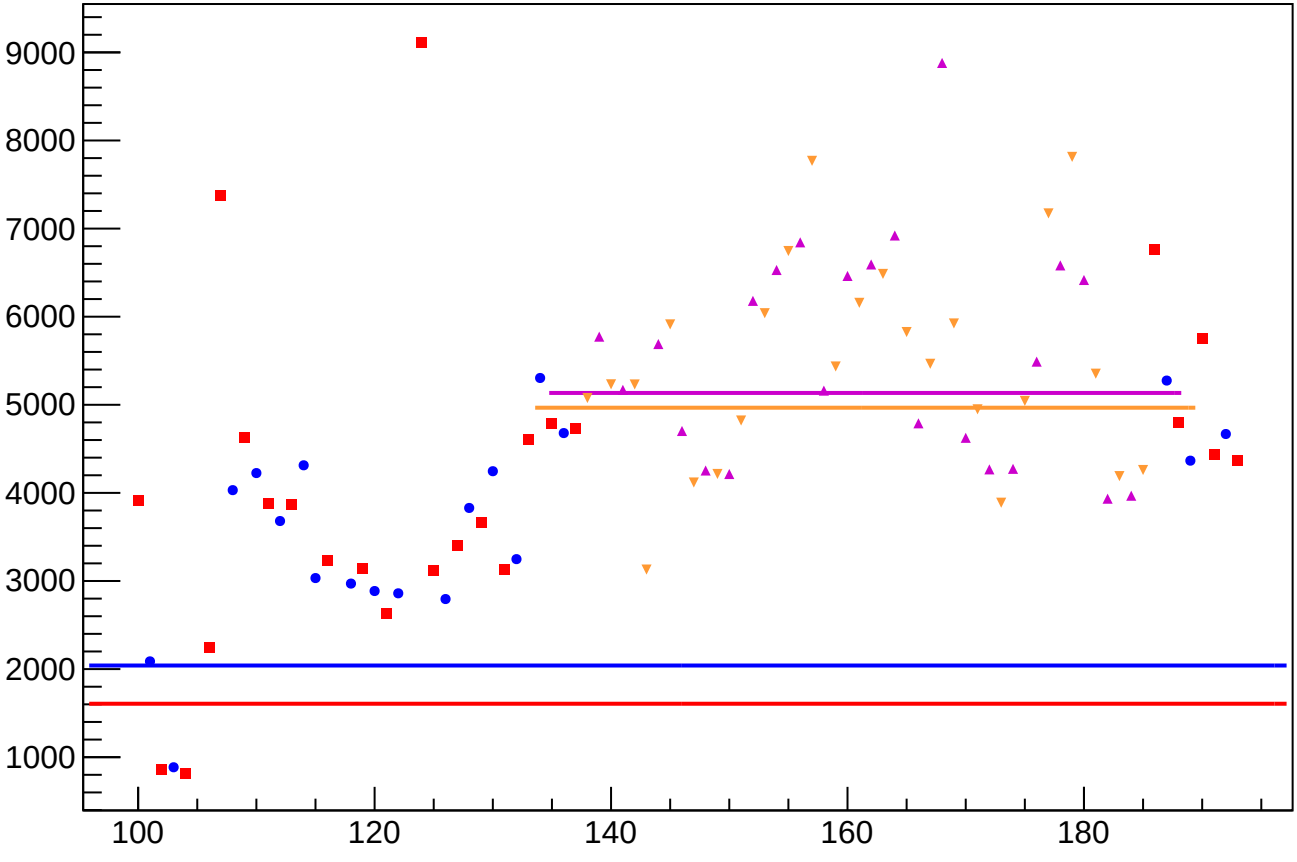
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

\+ sign -352.506+/-682.849 χ^2/NDF: 49.8/43

All: -140.263+/-443.303 χ^2/NDF: 95.6/90

\- sign 14.351+/-582.816 χ^2/NDF: 45.7/46

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: 1606.760+/-0.468 χ^2/NDF: 8576156.3/23

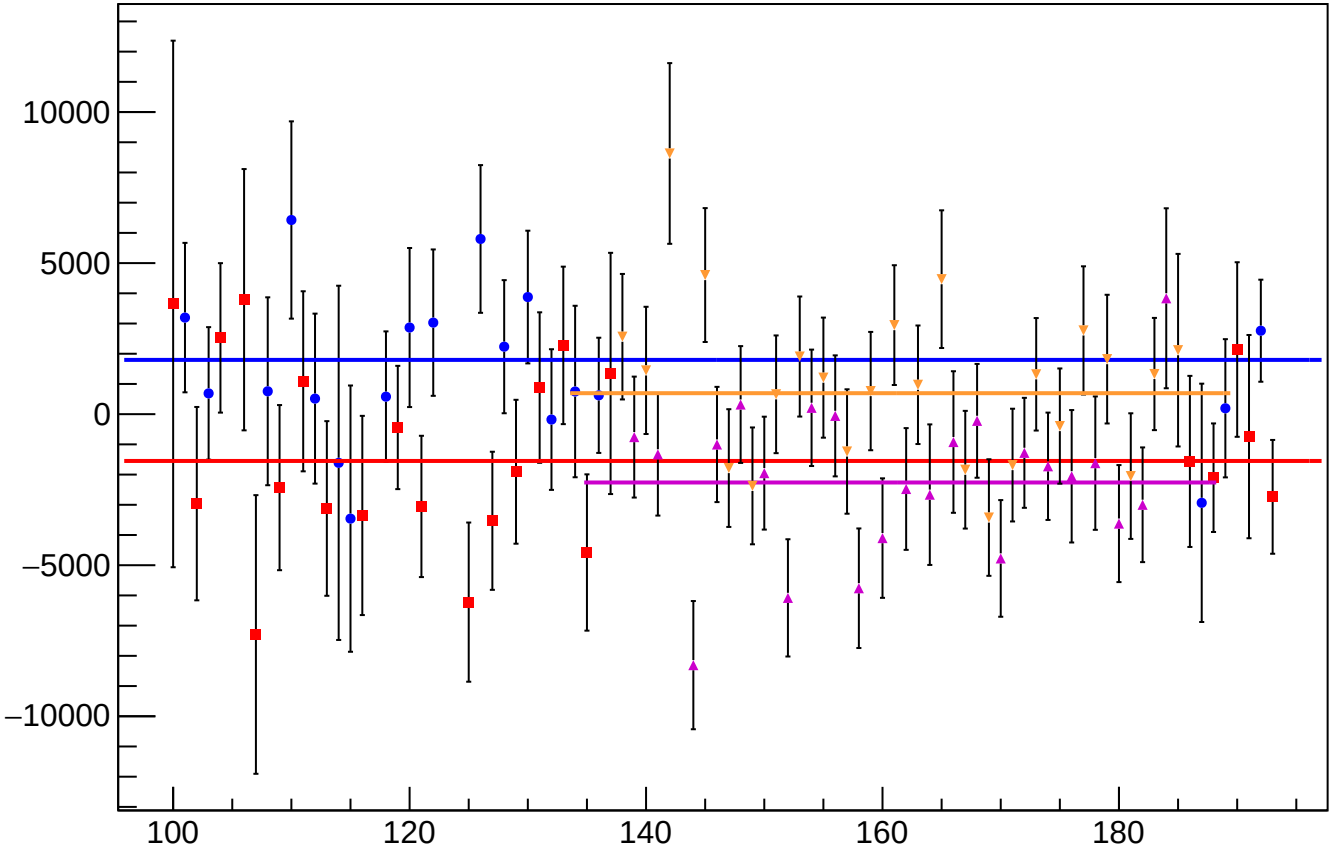
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3046.899+/-0.483 χ^2/NDF: 15745604.6/43

All: 2672.911+/-0.313 χ^2/NDF: 39622618.2/9

- sign 2400.470+/-0.412 χ^2/NDF: 22840059.4/46

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: -1548.976+/-557.891 χ^2/NDF: 19.6/22

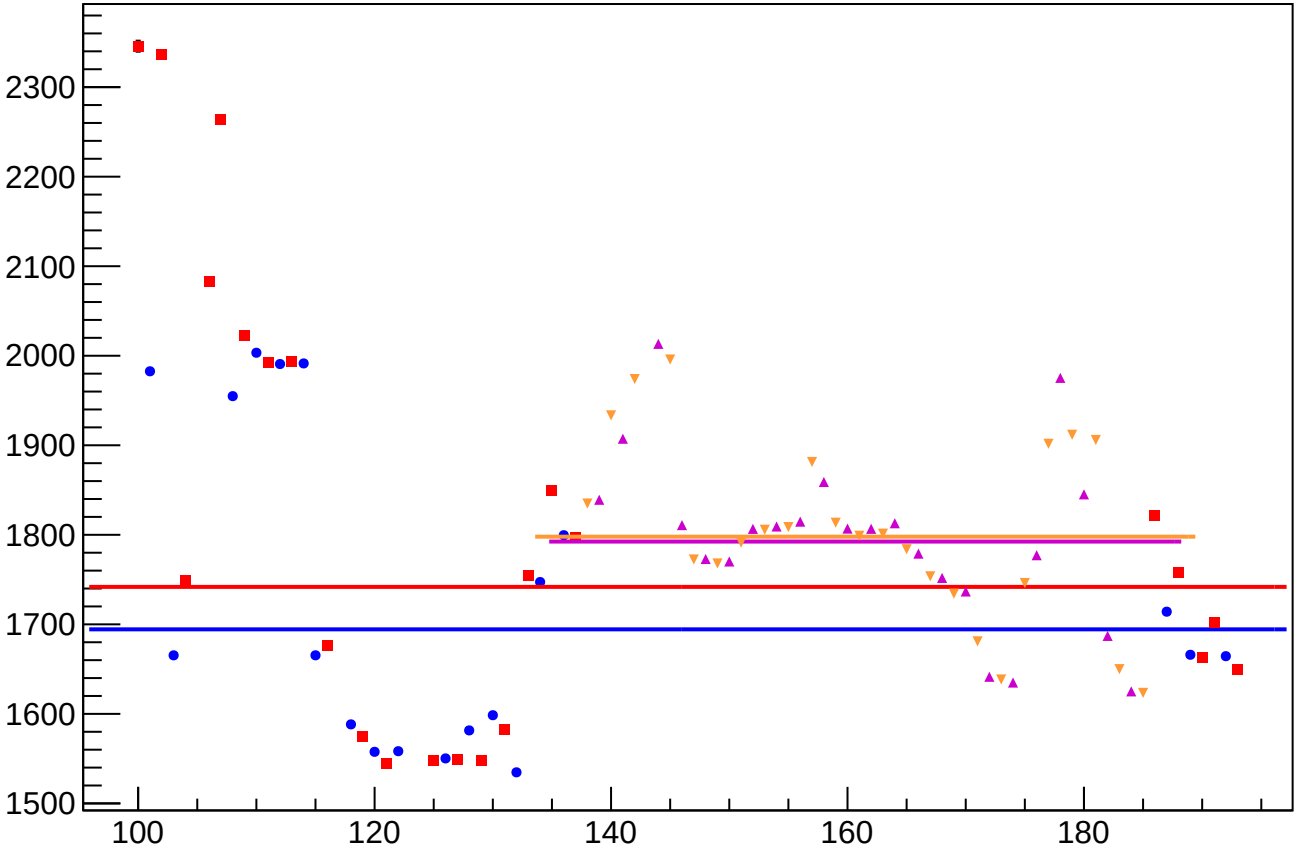
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1079.478+/-337.163 χ^2/NDF: 47.2/42

All: -471.903+/-237.686 χ^2/NDF: 140.3/88

- sign -2004.566+/-335.123 χ^2/NDF: 51.1/45

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

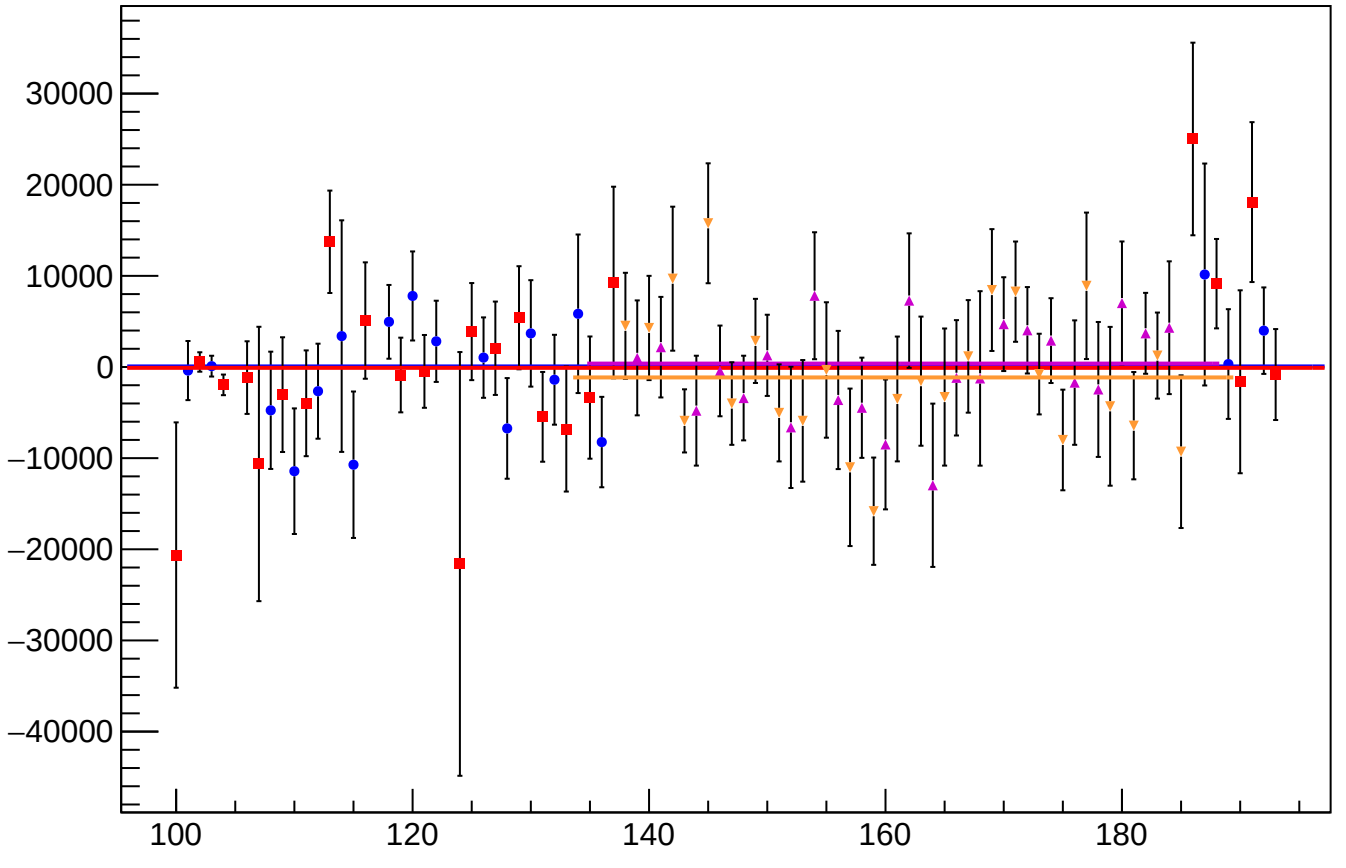
Right Out: 1741.839+/-0.394 χ^2/NDF: 256779.0/22

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1761.736+/-0.238 χ^2/NDF: 277430.9/42

All: 1767.984+/-0.168 χ^2/NDF: 638996.4/88

- sign 1774.151+/-0.237 χ^2/NDF: 360200.6/45



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: -90.334+/-662.028 χ^2/NDF: 32.3/23

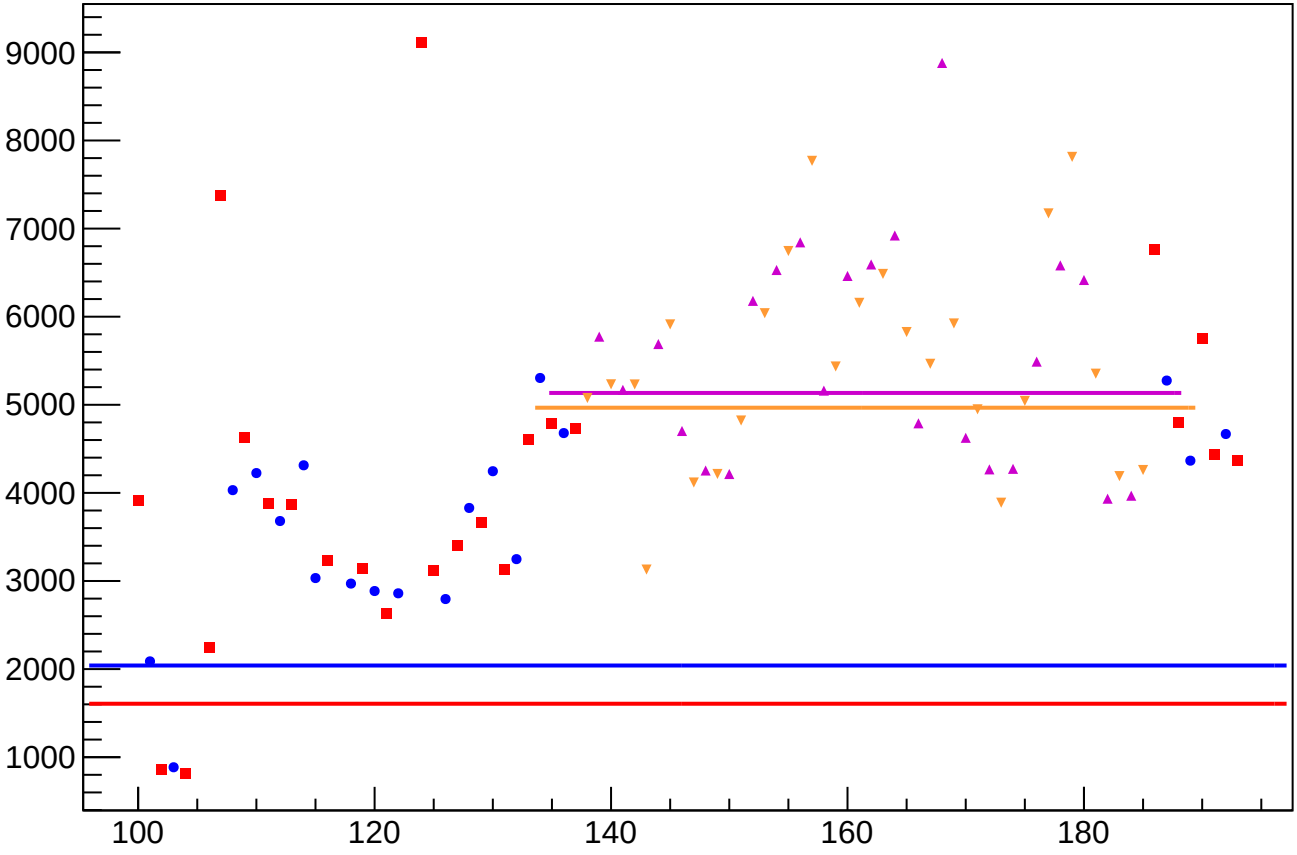
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

+ sign -352.503+/-682.846 χ^2/NDF: 49.8/43

All: -140.264+/-443.301 χ^2/NDF: 95.6/90

- sign 14.346+/-582.813 χ^2/NDF: 45.7/46

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: 1606.744+/-0.468 χ^2/NDF: 8576217.3/23

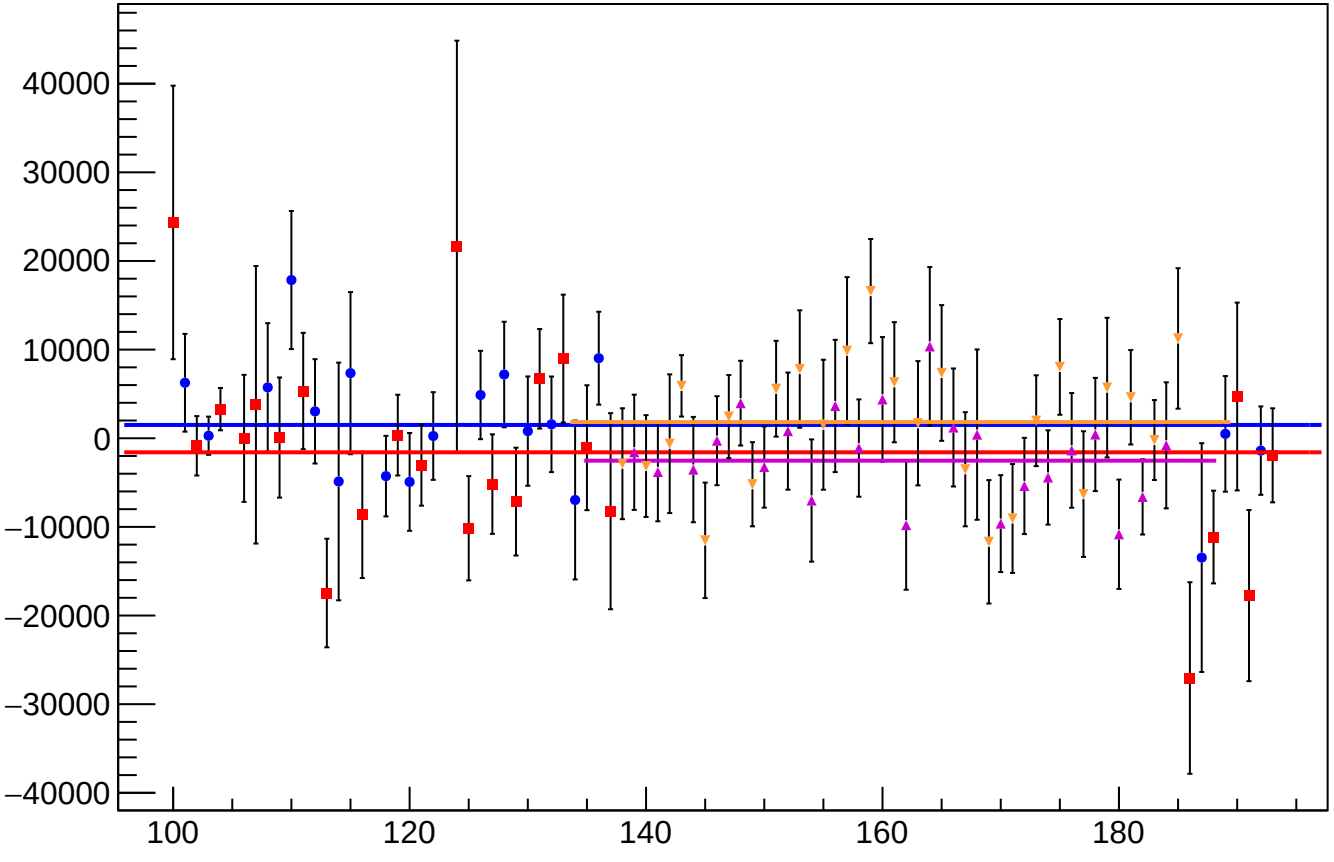
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3046.880+/-0.483 χ^2/NDF: 15745823.0/43

All: 2672.891+/-0.313 χ^2/NDF: 39623092.8/9

- sign 2400.449+/-0.412 χ^2/NDF: 22840301.9/46

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: -1586.964+/-1155.390 χ^2/NDF: 37.5/23

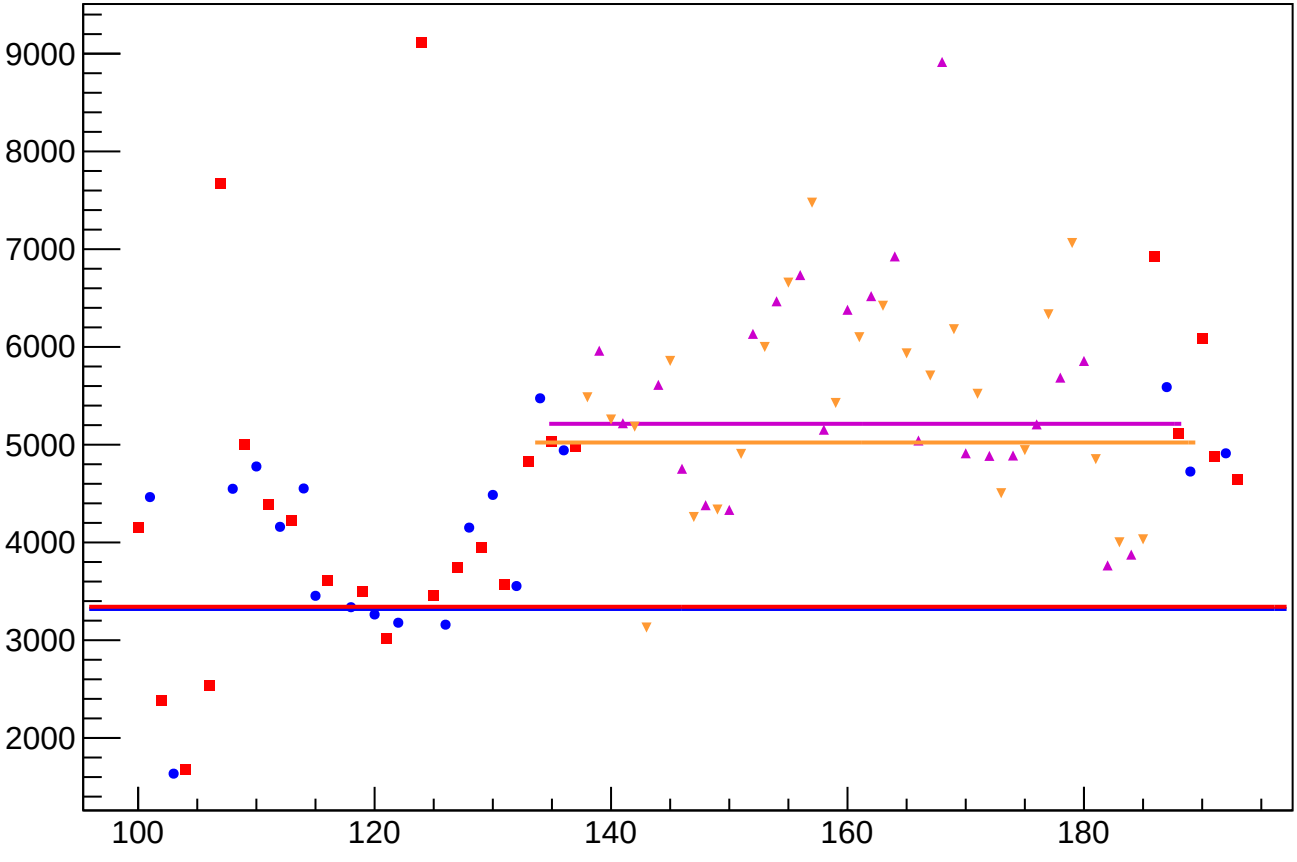
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1667.155+/-836.877 χ^2/NDF: 46.7/43

All: -158.604+/-594.947 χ^2/NDF: 107.3/90

- sign -2024.211+/-845.960 χ^2/NDF: 51.0/46

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: 3342.022+/-0.806 χ^2/NDF: 2736415.8/23

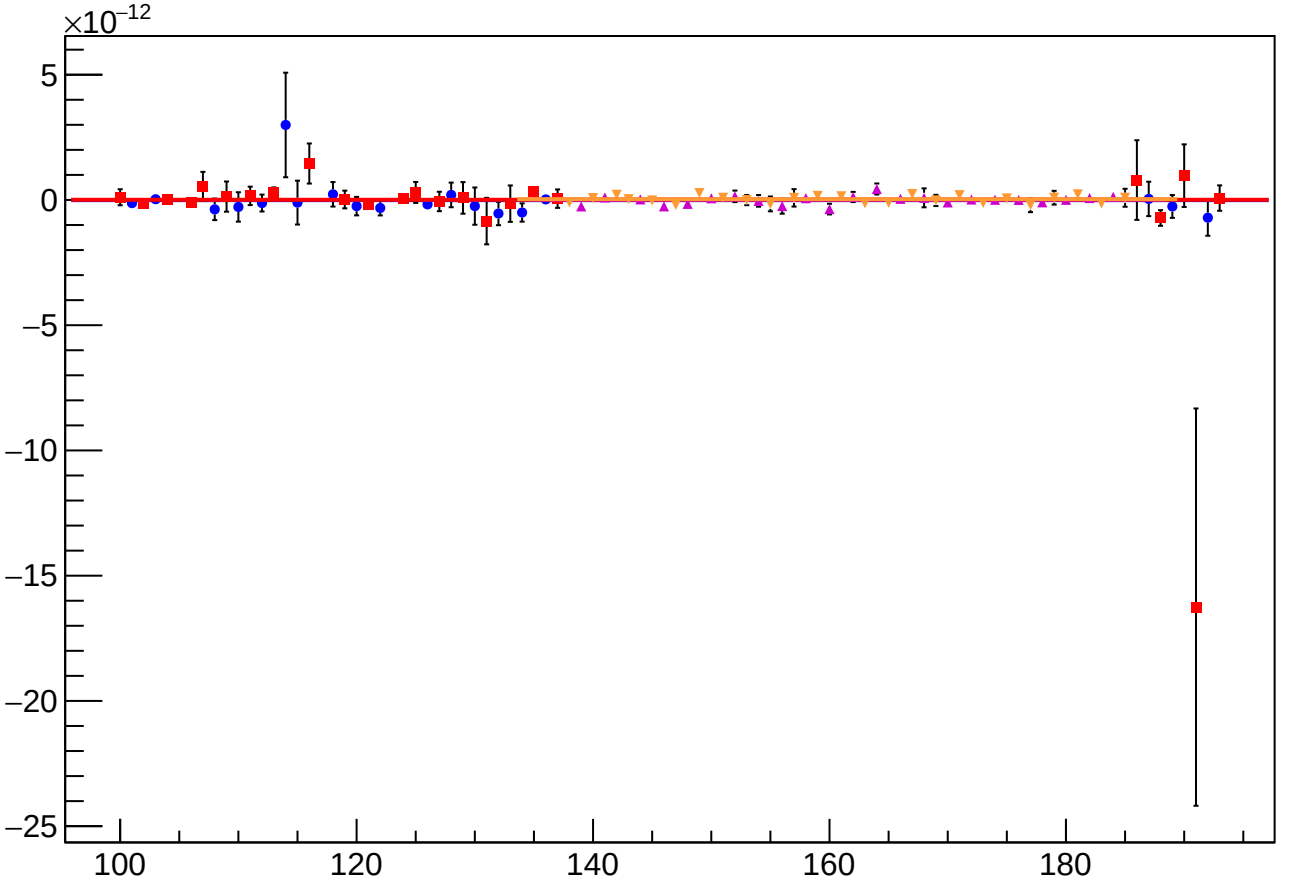
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4187.122+/-0.592 χ^2/NDF: 6026414.9/43

All: 4192.339+/-0.419 χ^2/NDF: 12451539.2/9

- sign 4197.593+/-0.594 χ^2/NDF: 6424968.2/46

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: 25.4/23

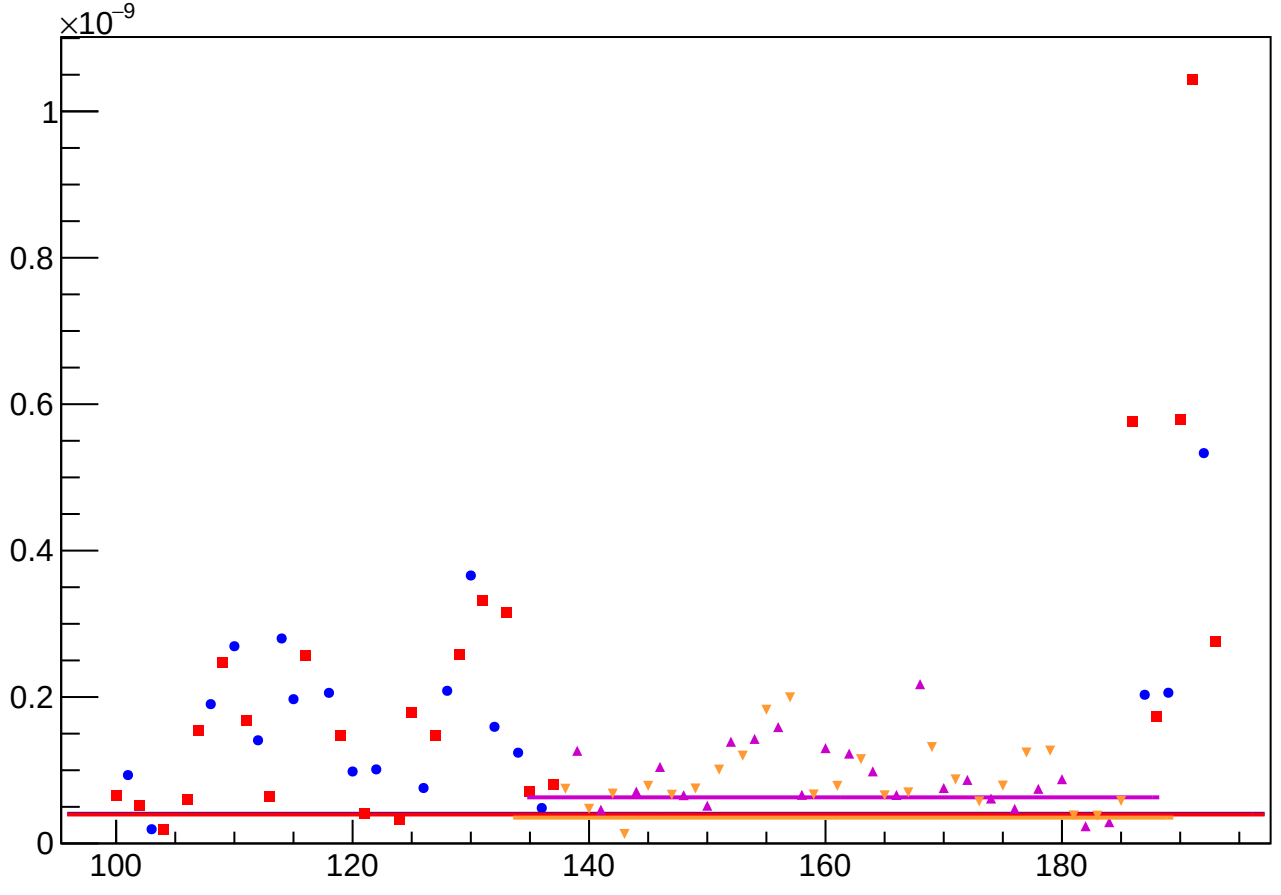
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.9/43

All: 0.000+/-0.000 χ^2/NDF: 82.7/90

- sign 0.000+/-0.000 χ^2/NDF: 44.6/46

asym_atl_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4206488.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4138361.3/23

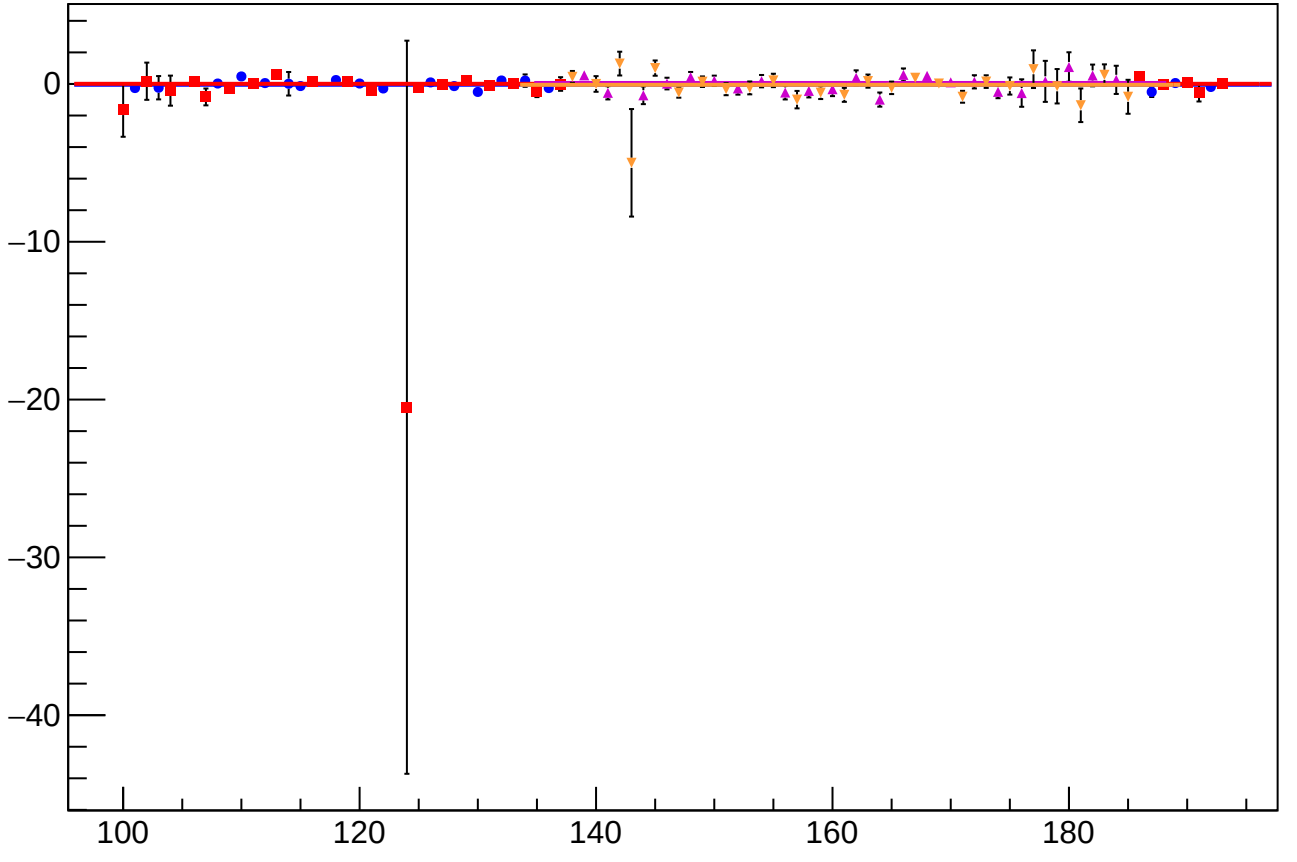
Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10754361.7/43

All: 0.000+/-0.000 χ^2/NDF: 19220626.3/90

- sign 0.000+/-0.000 χ^2/NDF: 7678407.4/46

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: 0.009+/-0.044 χ^2/NDF: 27.8/23

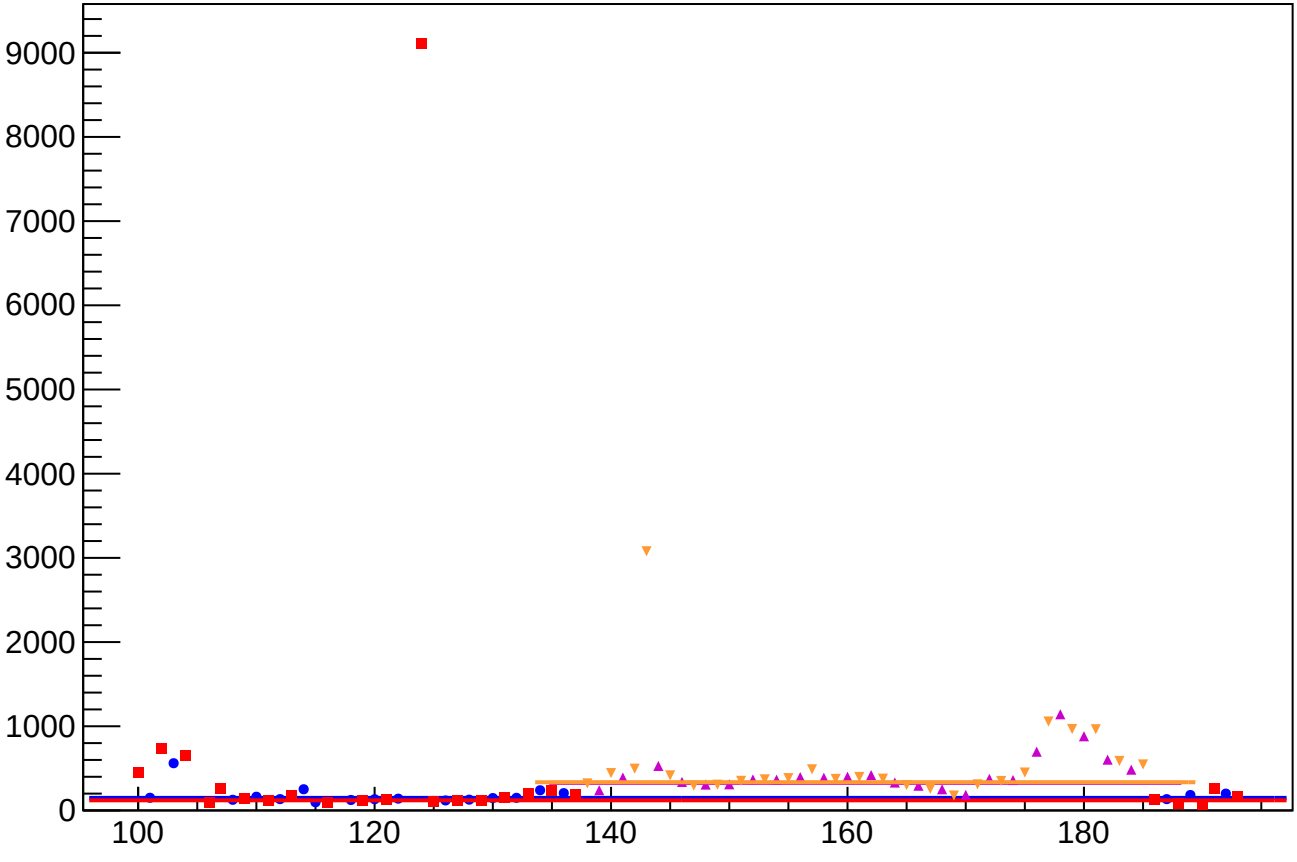
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.051+/-0.045 χ^2/NDF: 53.1/43

All: -0.009+/-0.029 χ^2/NDF: 110.7/90

- sign 0.021+/-0.039 χ^2/NDF: 56.2/46

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: 120.470+/-0.031 χ^2/NDF: 3044165.4/23

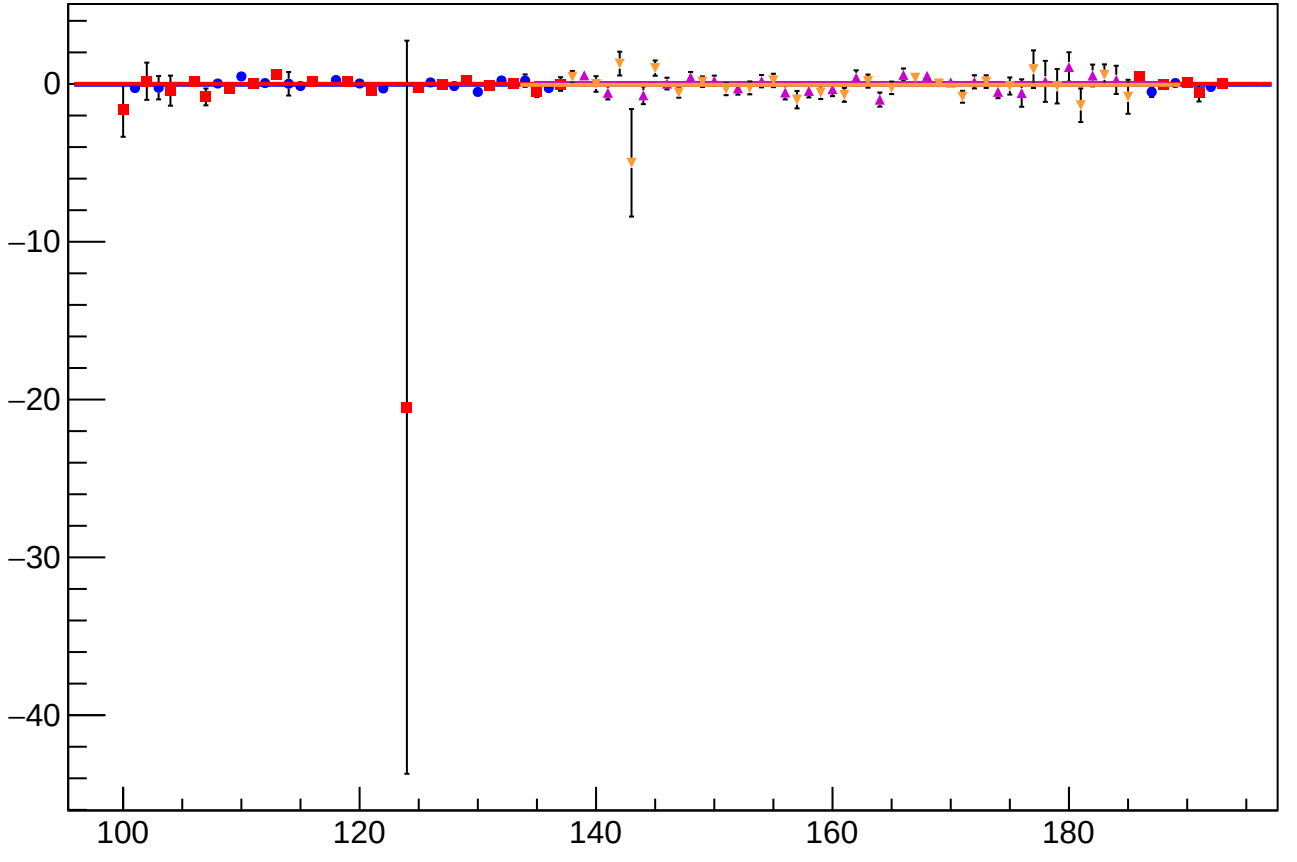
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 202.828+/-0.032 χ^2/NDF: 14023321.8/43

All: 181.335+/-0.021 χ^2/NDF: 31784792.2/90

- sign 165.743+/-0.027 χ^2/NDF: 16988710.6/46

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: 0.009+/-0.044 χ^2/NDF: 27.8/23

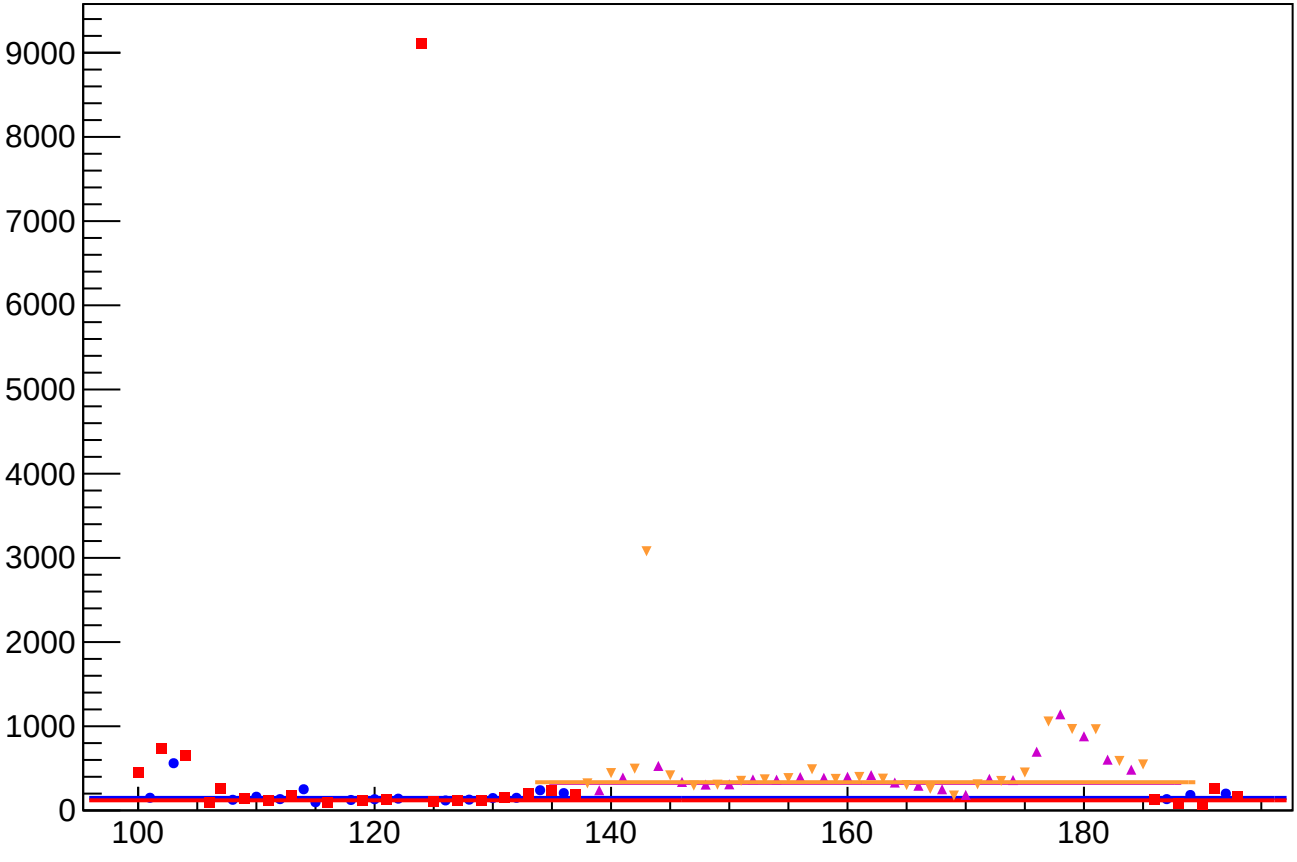
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.051+/-0.045 χ^2/NDF: 53.1/43

All: -0.009+/-0.029 χ^2/NDF: 110.7/90

- sign 0.021+/-0.039 χ^2/NDF: 56.2/46

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

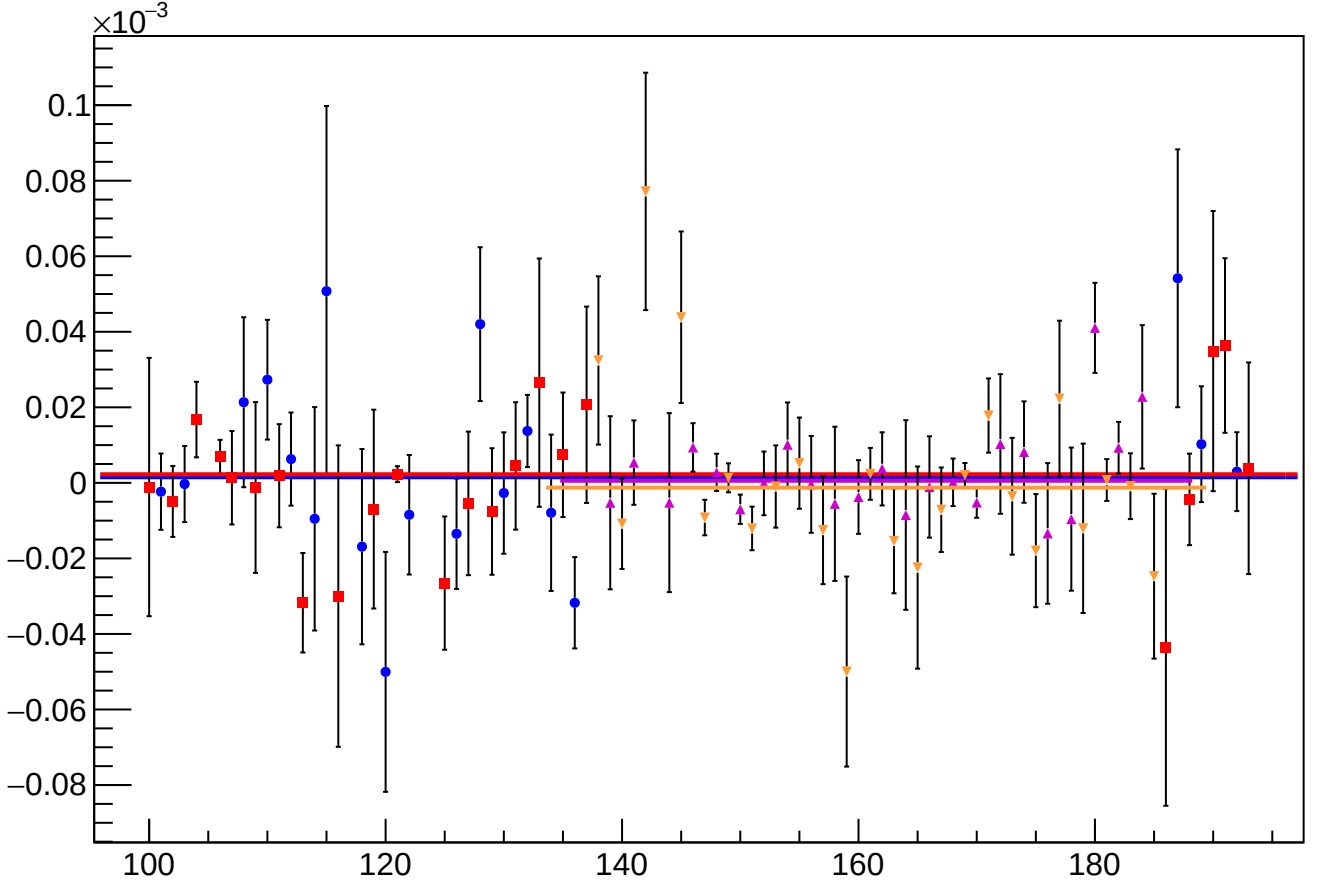
Right Out: 120.470+/-0.031 χ^2/NDF: 3044165.4/23

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 202.828+/-0.032 χ^2/NDF: 14023321.8/43

All: 181.335+/-0.021 χ^2/NDF: 31784792.2/90

- sign 165.743+/-0.027 χ^2/NDF: 16988710.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

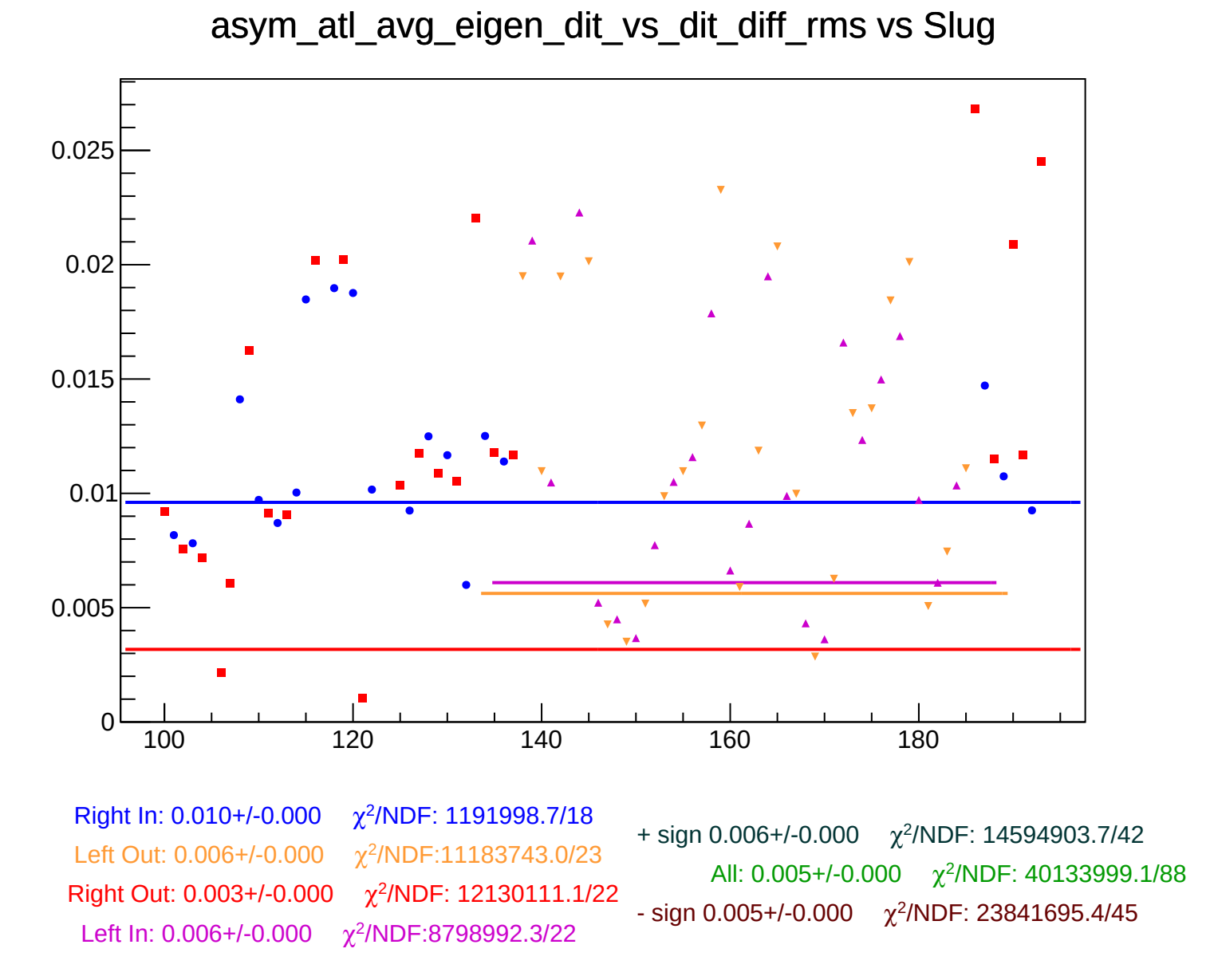
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/22

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

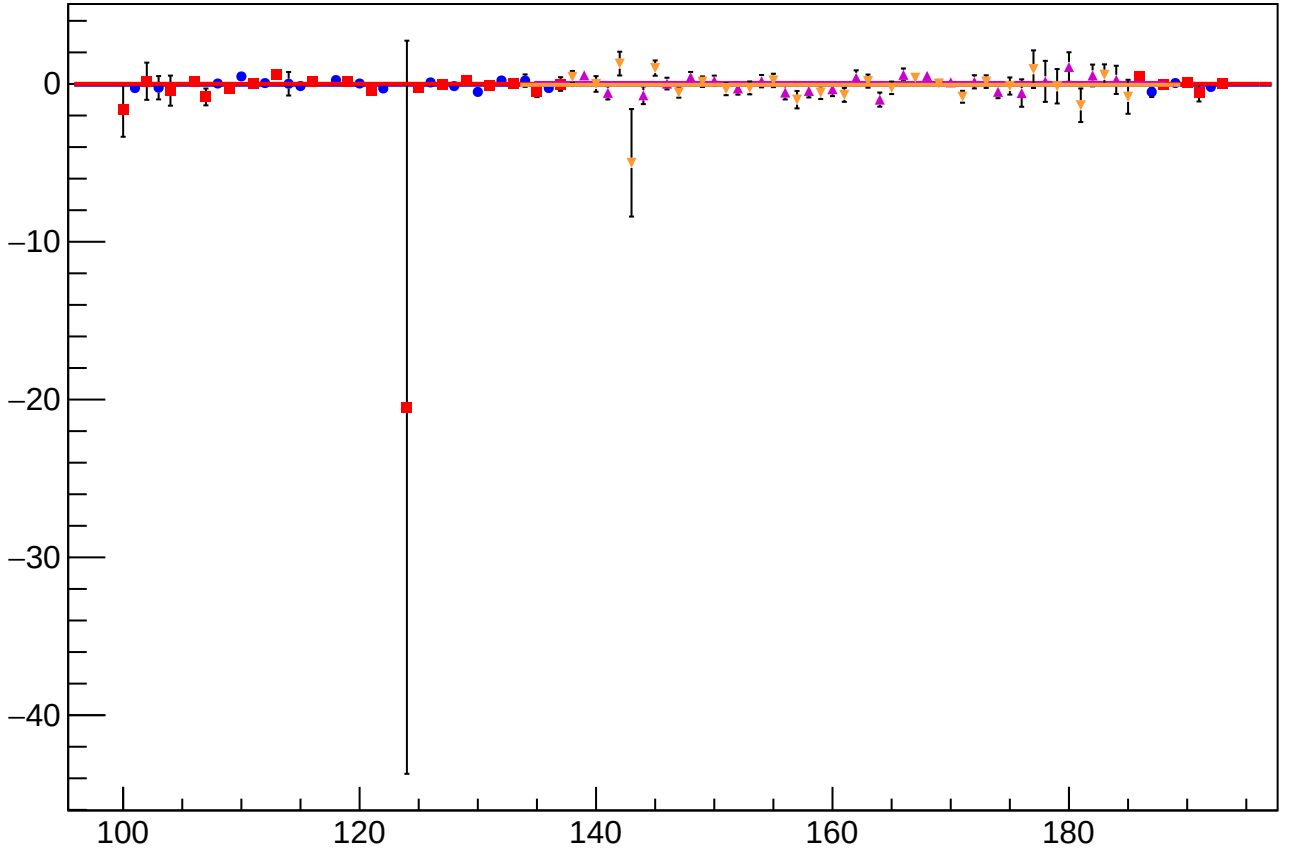
+ sign -0.000+/-0.000 χ^2/NDF: 61.9/42

All: 0.000+/-0.000 χ^2/NDF: 109.3/88

- sign 0.000+/-0.000 χ^2/NDF: 46.0/45


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: 12130111.1/22
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: 40133999.1/88
- sign 0.005+/-0.000 χ²/NDF: 23841695.4/45

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: 0.009+/-0.044 χ^2/NDF: 27.8/23

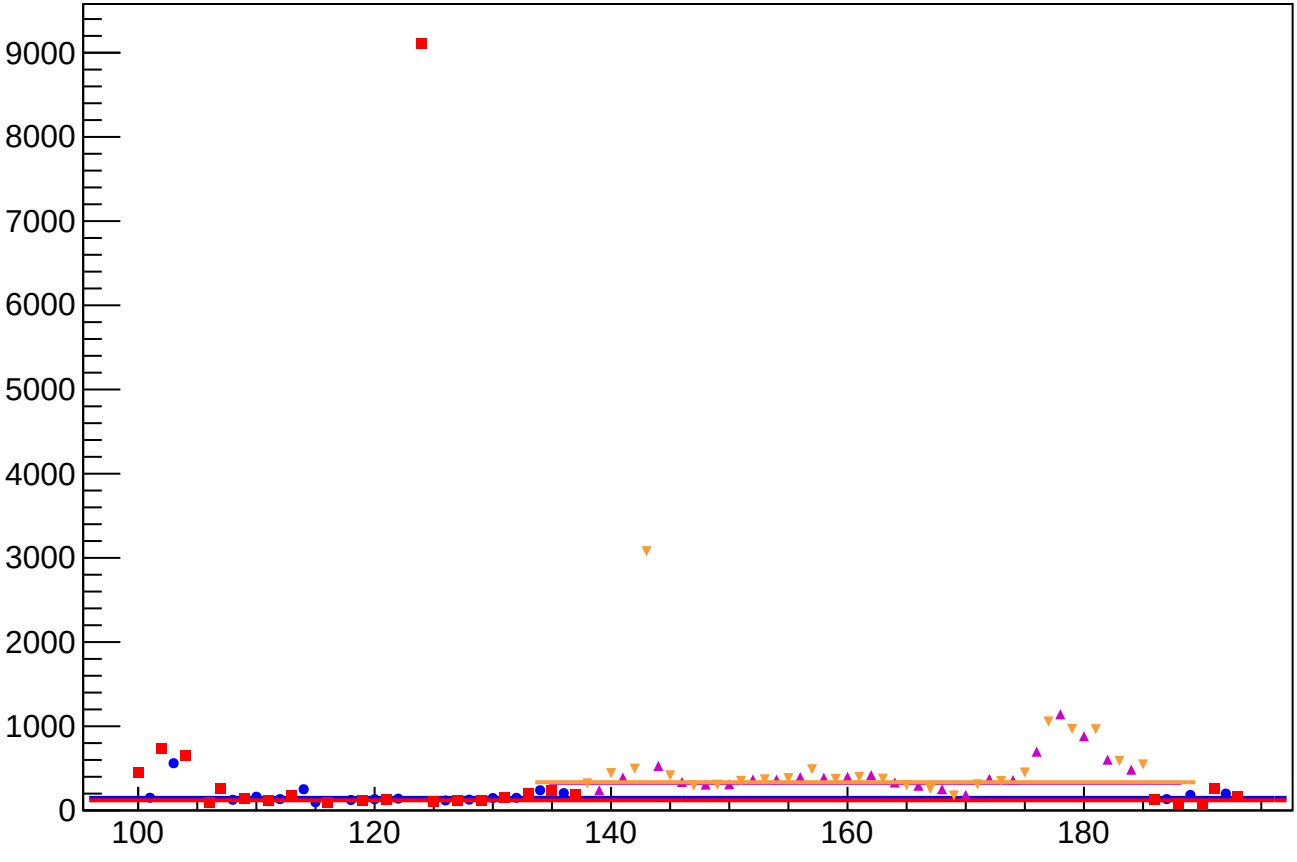
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.051+/-0.045 χ^2/NDF: 53.1/43

All: -0.009+/-0.029 χ^2/NDF: 110.7/90

- sign 0.021+/-0.039 χ^2/NDF: 56.2/46

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

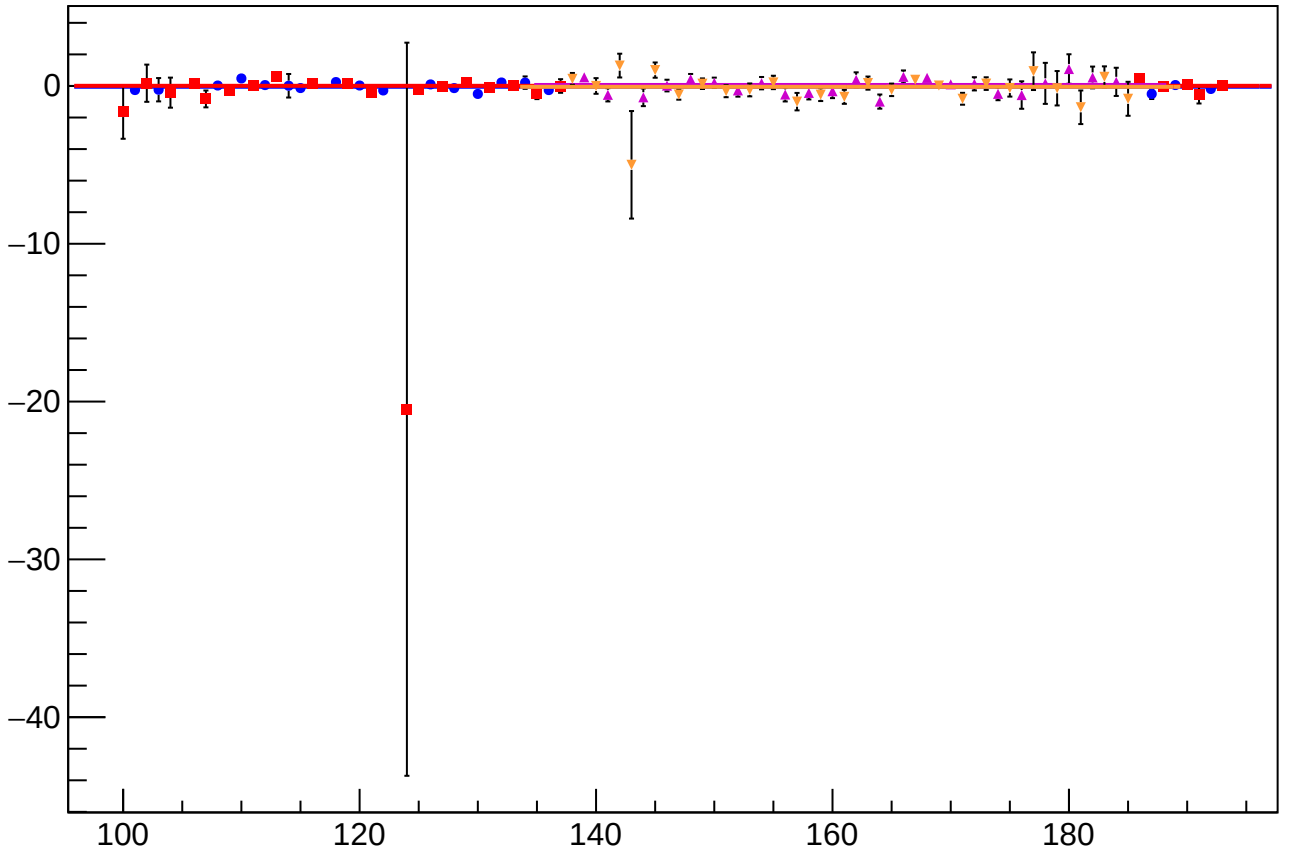
Right Out: 120.468+/-0.031 χ^2/NDF: 3044144.8/23

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 202.827+/-0.032 χ^2/NDF: 14023610.4/43

All: 181.333+/-0.021 χ^2/NDF: 31785530.2/90

- sign 165.741+/-0.027 χ^2/NDF: 16989092.4/46



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: 0.009+/-0.044 χ^2/NDF: 27.8/23

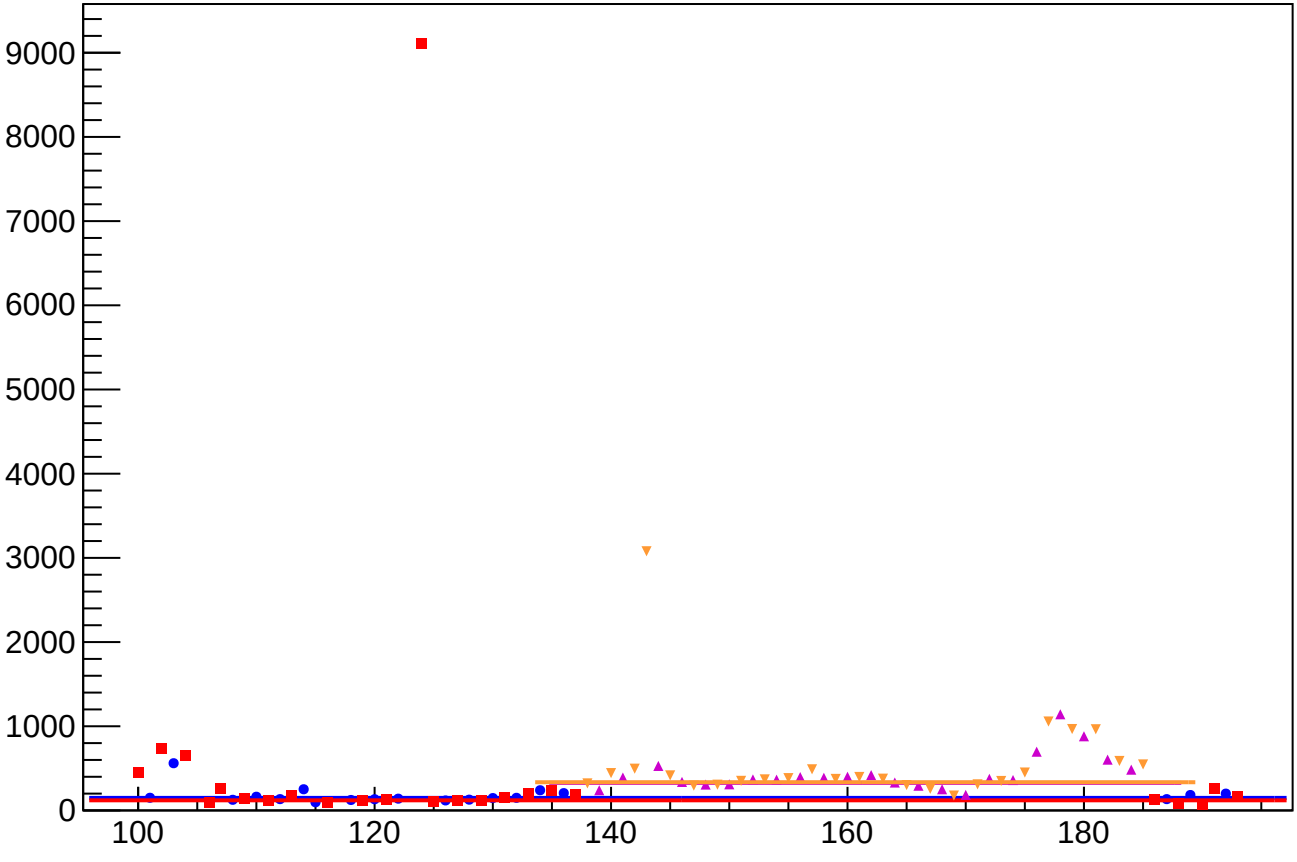
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.051+/-0.045 χ^2/NDF: 53.1/43

All: -0.009+/-0.029 χ^2/NDF: 110.7/90

- sign 0.021+/-0.039 χ^2/NDF: 56.2/46

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

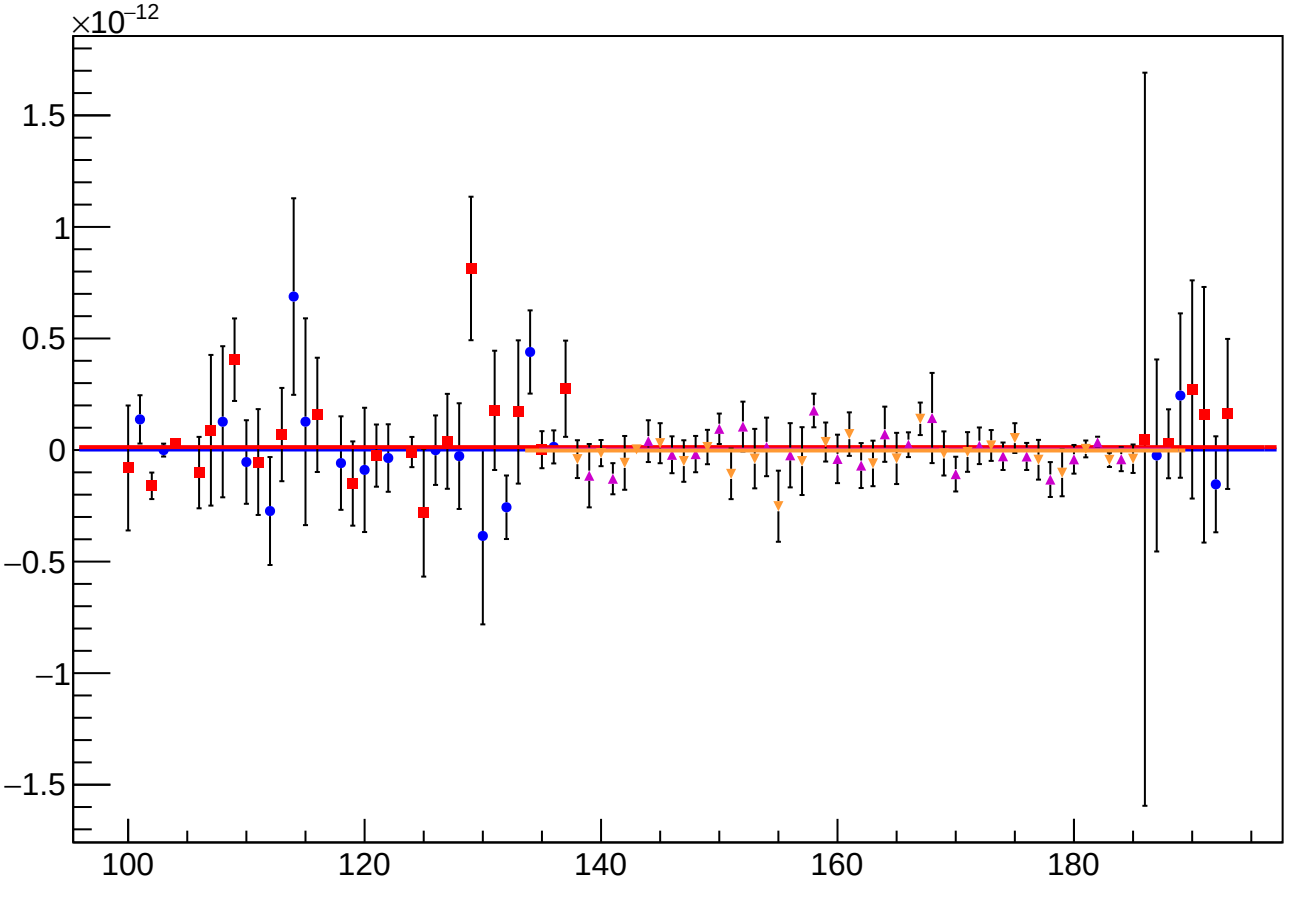
Right Out: 120.468+/-0.031 χ^2/NDF: 3044144.8/23

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 202.827+/-0.032 χ^2/NDF: 14023610.4/43

All: 181.333+/-0.021 χ^2/NDF: 31785530.2/90

- sign 165.741+/-0.027 χ^2/NDF: 16989092.4/46



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: 25.7/23

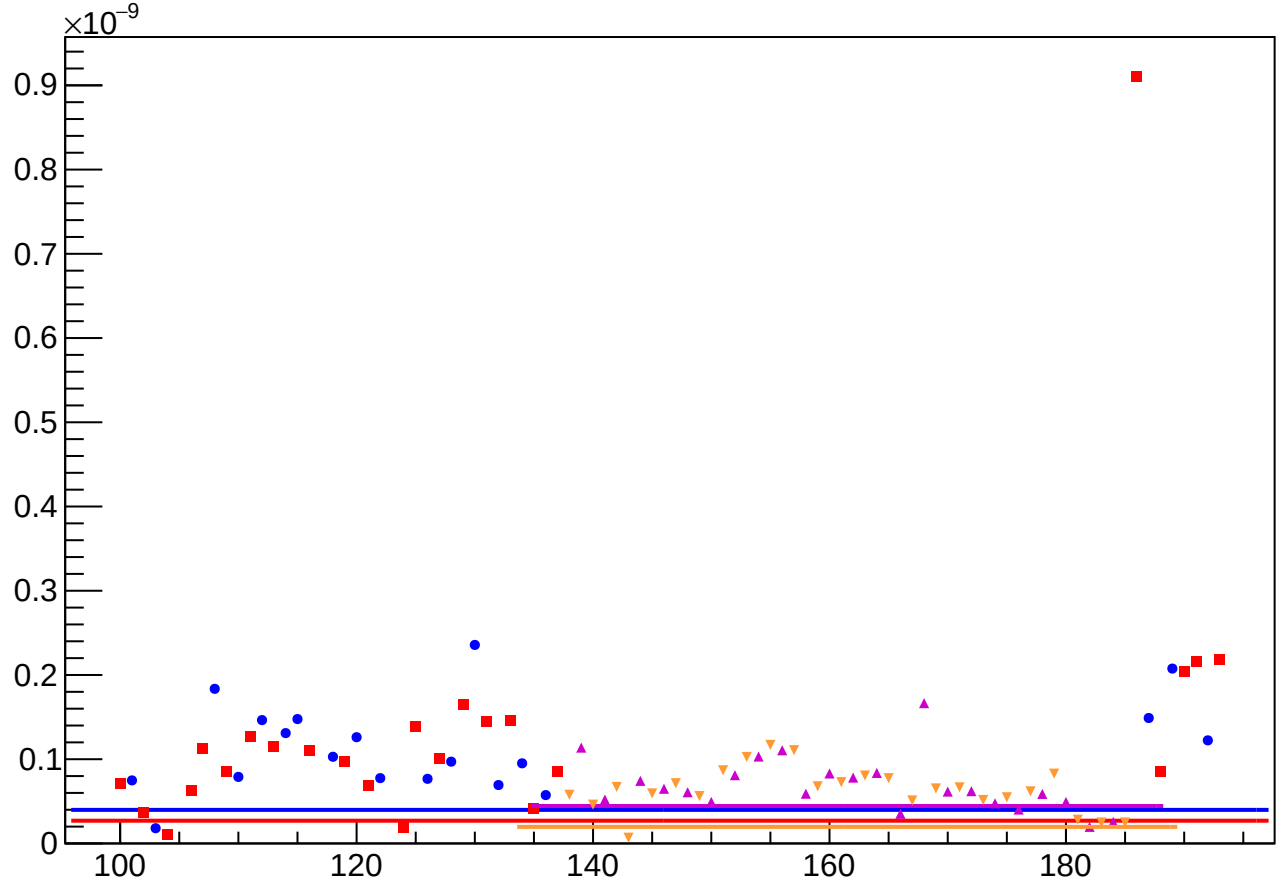
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.2/43

All: 0.000+/-0.000 χ^2/NDF: 78.9/90

- sign 0.000+/-0.000 χ^2/NDF: 48.4/46

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: 6710098.1/23

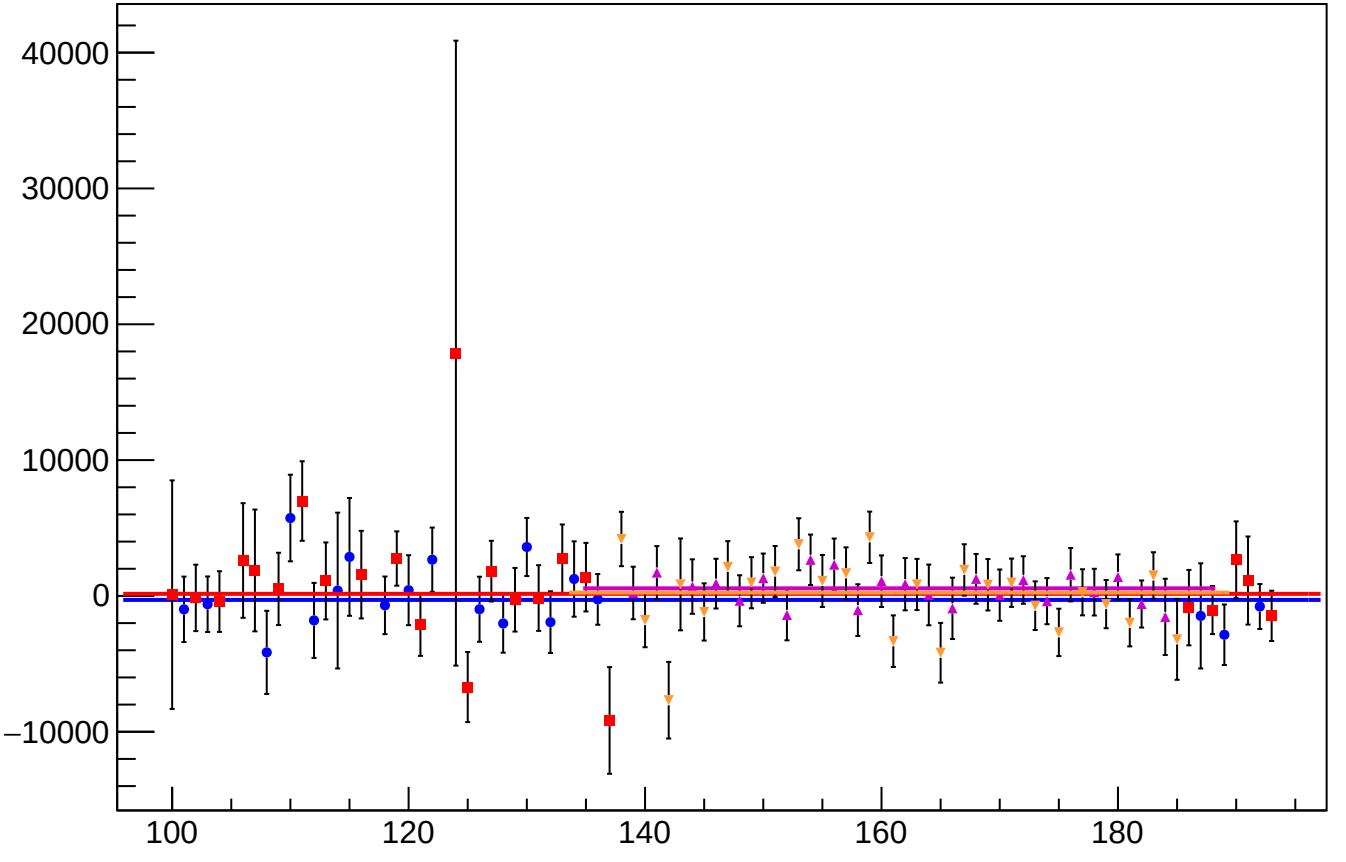
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 20974176.3/43

All: 0.000+/-0.000 χ^2/NDF: 37489507.5/90

- sign 0.000+/-0.000 χ^2/NDF: 13762605.6/46

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: 152.935+/-538.236 χ^2/NDF: 26.4/23

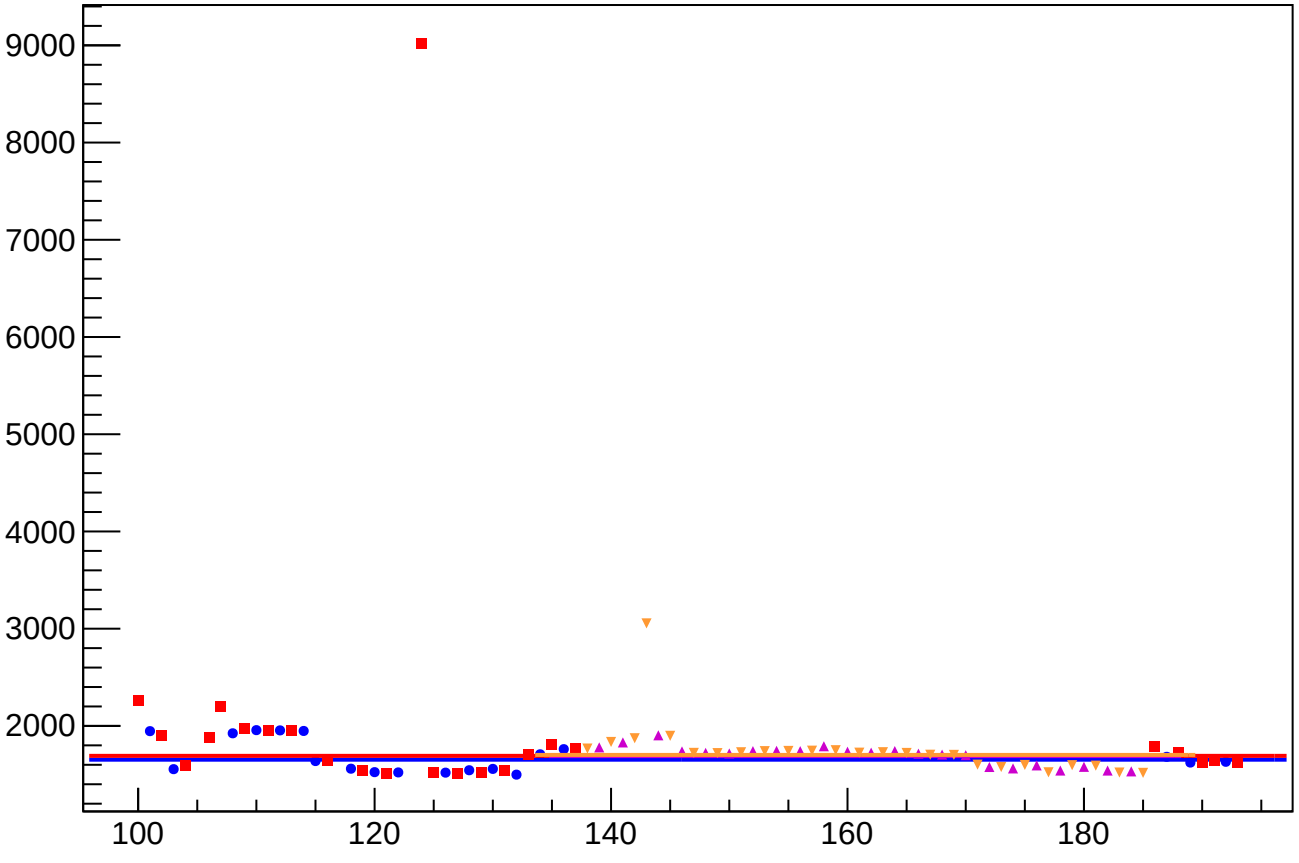
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 70.565+/-318.627 χ^2/NDF: 54.4/43

All: 244.074+/-225.261 χ^2/NDF: 89.3/90

- sign 417.451+/-318.506 χ^2/NDF: 34.3/46

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: 1692.040+/-0.379 χ^2/NDF: 394158.4/23

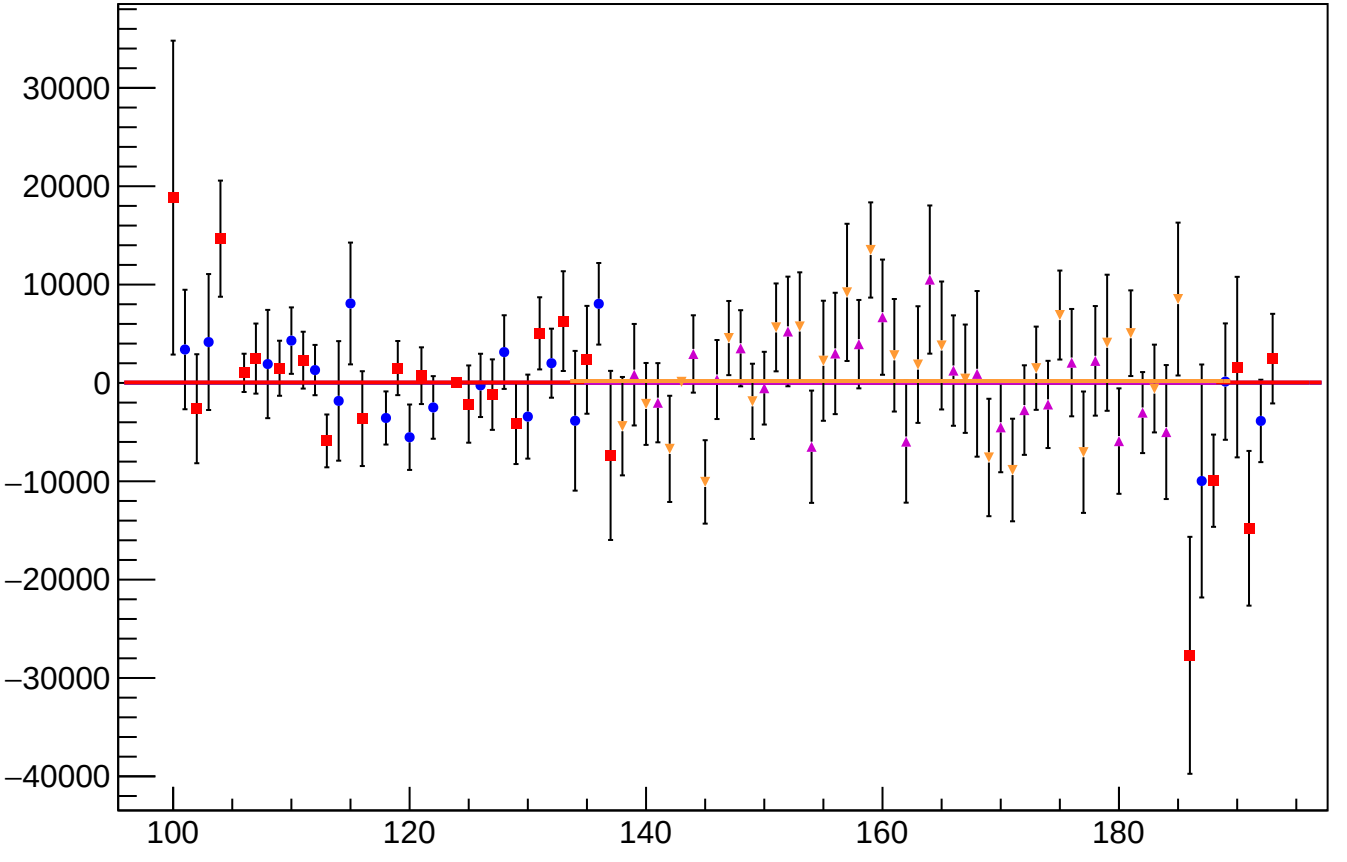
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1685.480+/-0.225 χ^2/NDF: 607718.4/43

All: 1687.862+/-0.159 χ^2/NDF: 1124452.8/90

- sign 1690.237+/-0.225 χ^2/NDF: 516511.2/46

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: 47.036+/-321.556 χ^2/NDF: 34.6/23

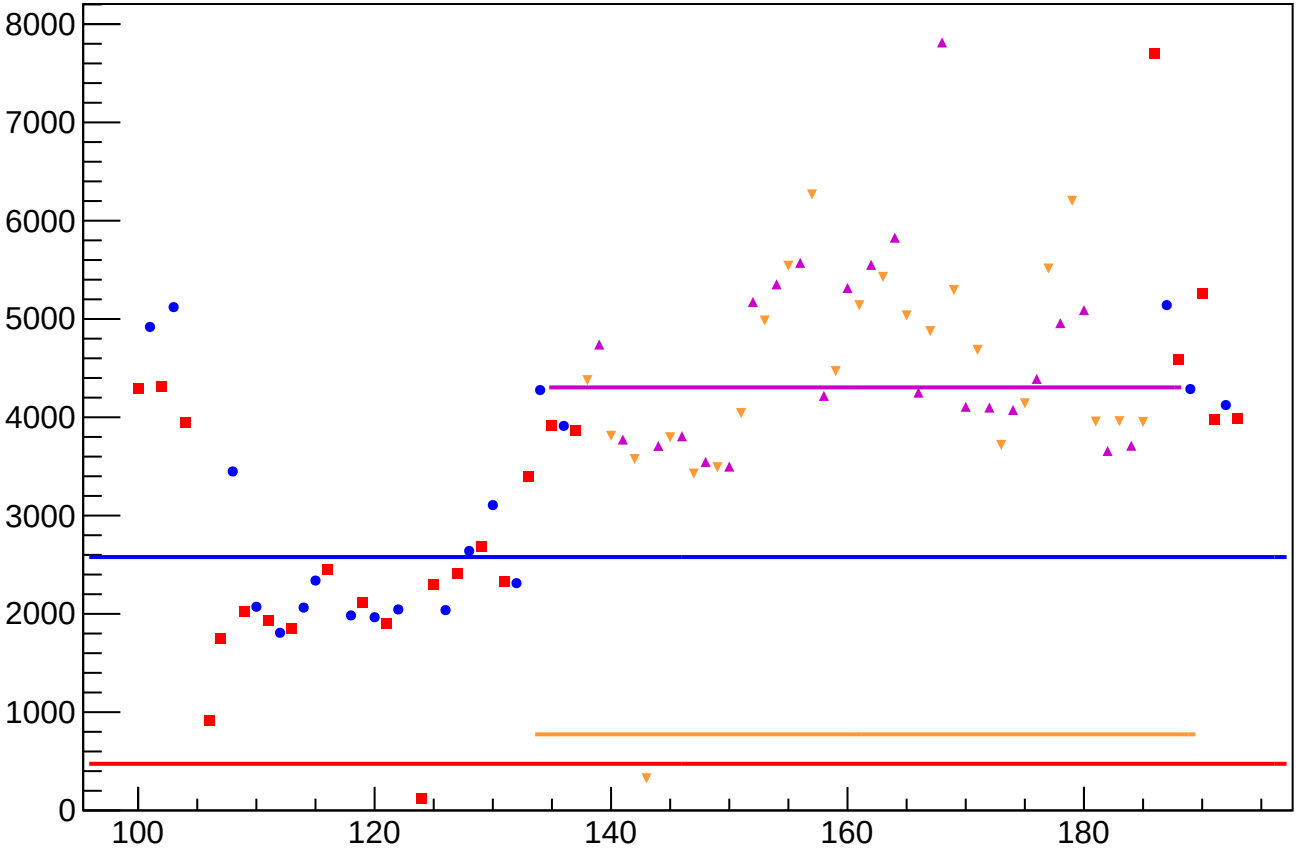
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

\+ sign 172.649+/-321.600 χ^2/NDF: 50.8/43

All: 106.033+/-221.998 χ^2/NDF: 98.8/90

\- sign 45.397+/-306.825 χ^2/NDF: 47.9/46

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: 474.742+/-0.227 χ^2/NDF: 15510358.9/23

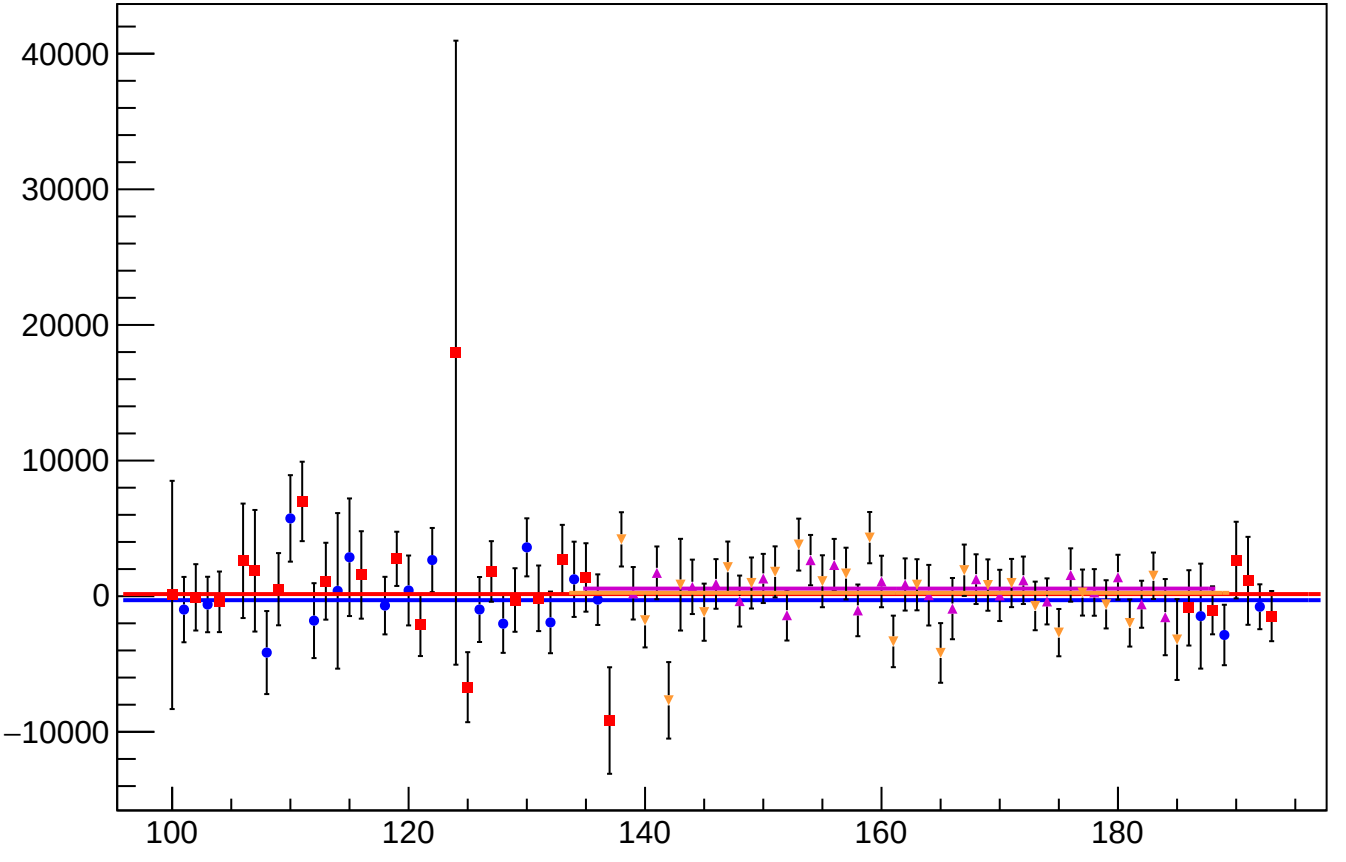
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 993.495+/-0.227 χ^2/NDF: 36839071.3/43

All: 901.384+/-0.157 χ^2/NDF: 79270147.2/90

- sign 817.543+/-0.217 χ^2/NDF: 42117672.9/46

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: 156.042+/-538.240 χ^2/NDF: 26.4/23

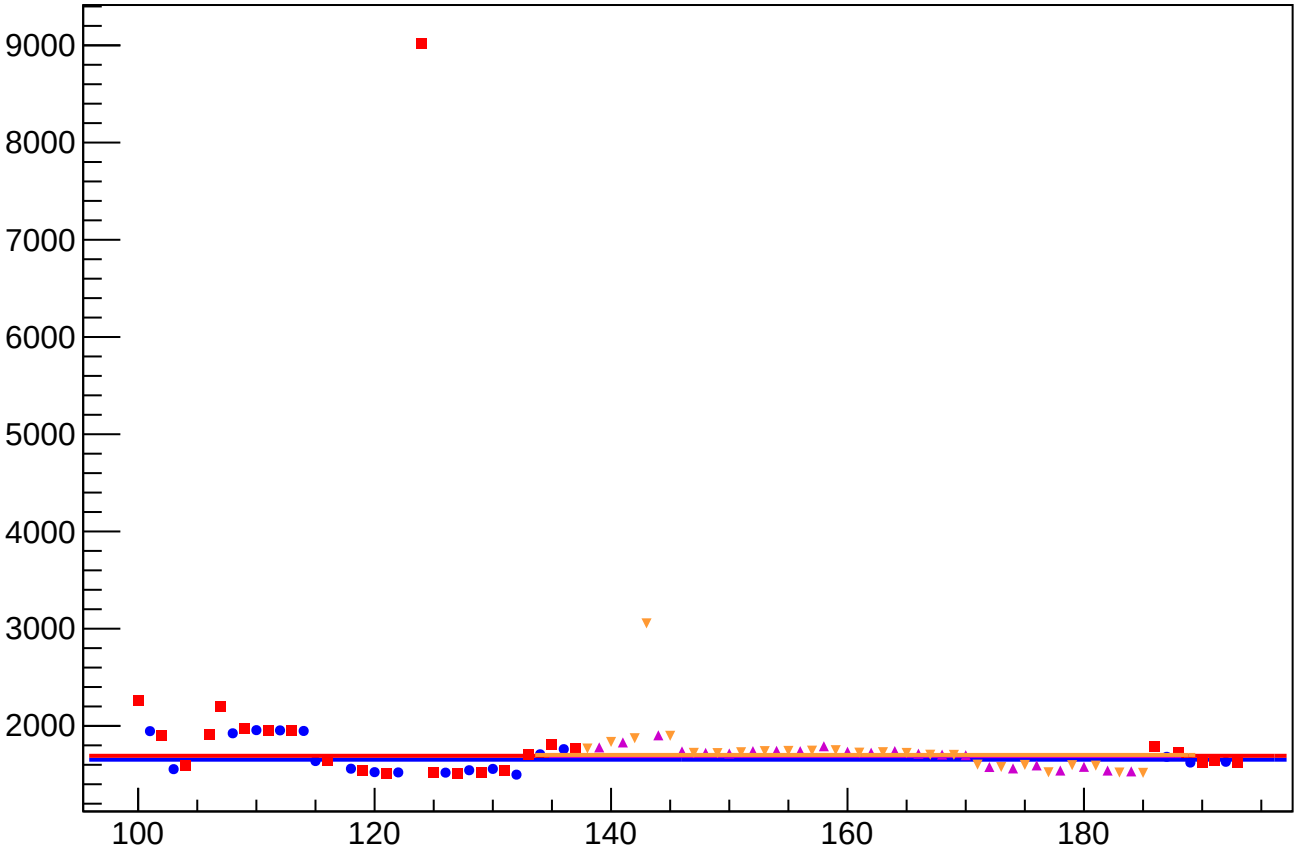
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 70.534+/-318.627 χ^2/NDF: 54.4/43

All: 244.592+/-225.261 χ^2/NDF: 89.3/90

- sign 418.518+/-318.507 χ^2/NDF: 34.3/46

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: 1692.611+/-0.379 χ^2/NDF: 395946.2/23

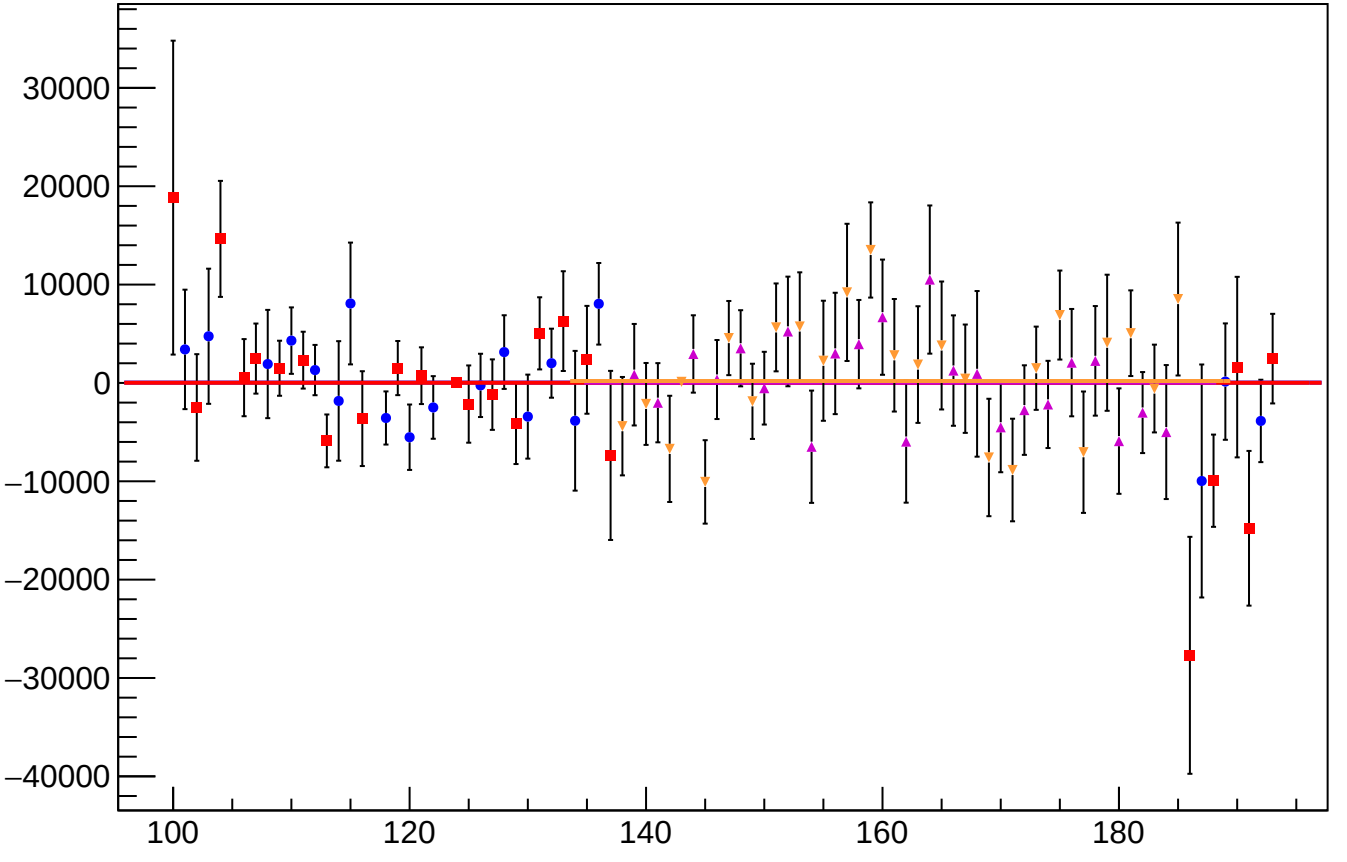
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1685.480+/-0.225 χ^2/NDF: 607718.4/43

All: 1687.962+/-0.159 χ^2/NDF: 1126275.6/90

- sign 1690.437+/-0.225 χ^2/NDF: 518314.8/46

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: 17.880+/-313.753 χ^2/NDF: 34.3/23

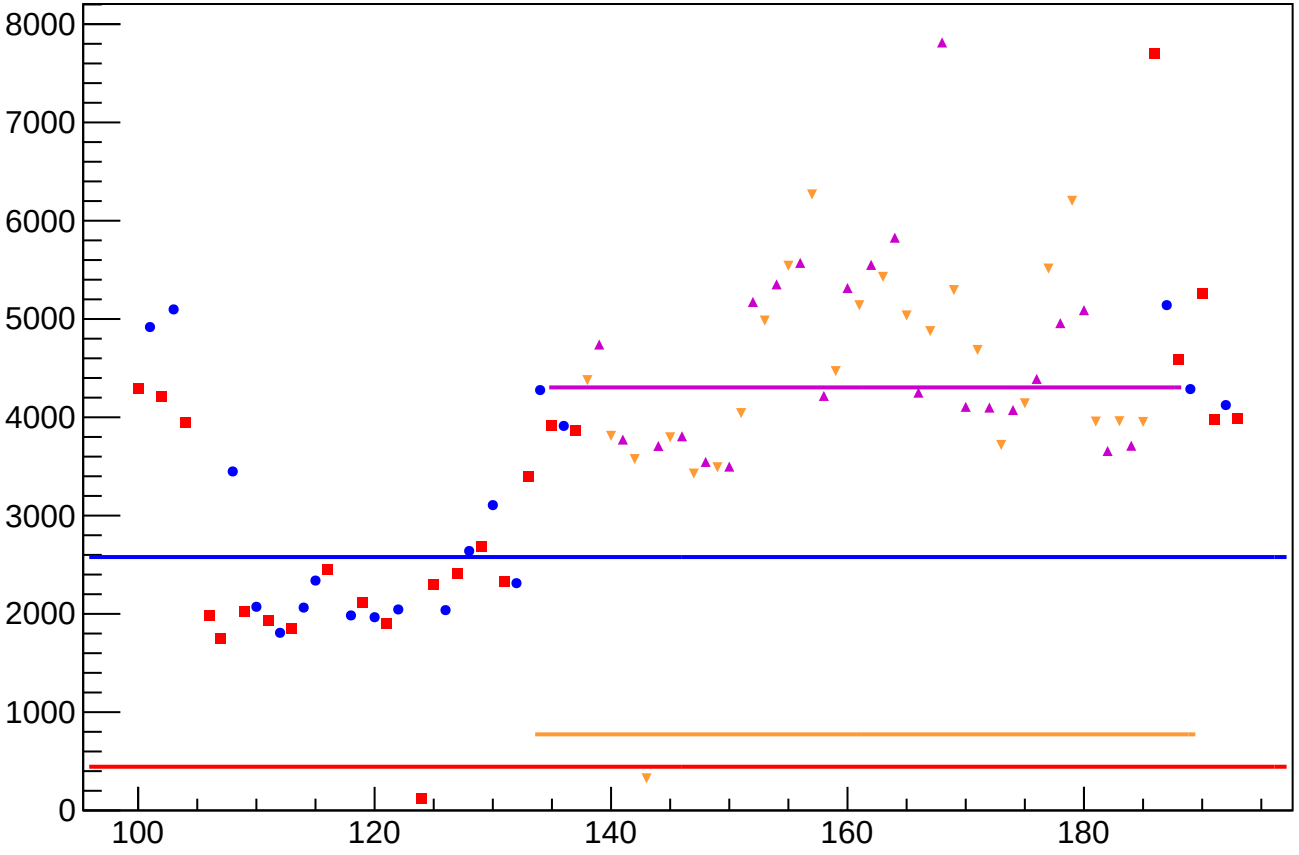
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 174.427+/-321.576 χ^2/NDF: 50.9/43

All: 91.231+/-219.373 χ^2/NDF: 98.7/90

- sign 18.812+/-300.024 χ^2/NDF: 47.6/46

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: 444.854+/-0.222 χ^2/NDF: 15914790.8/23

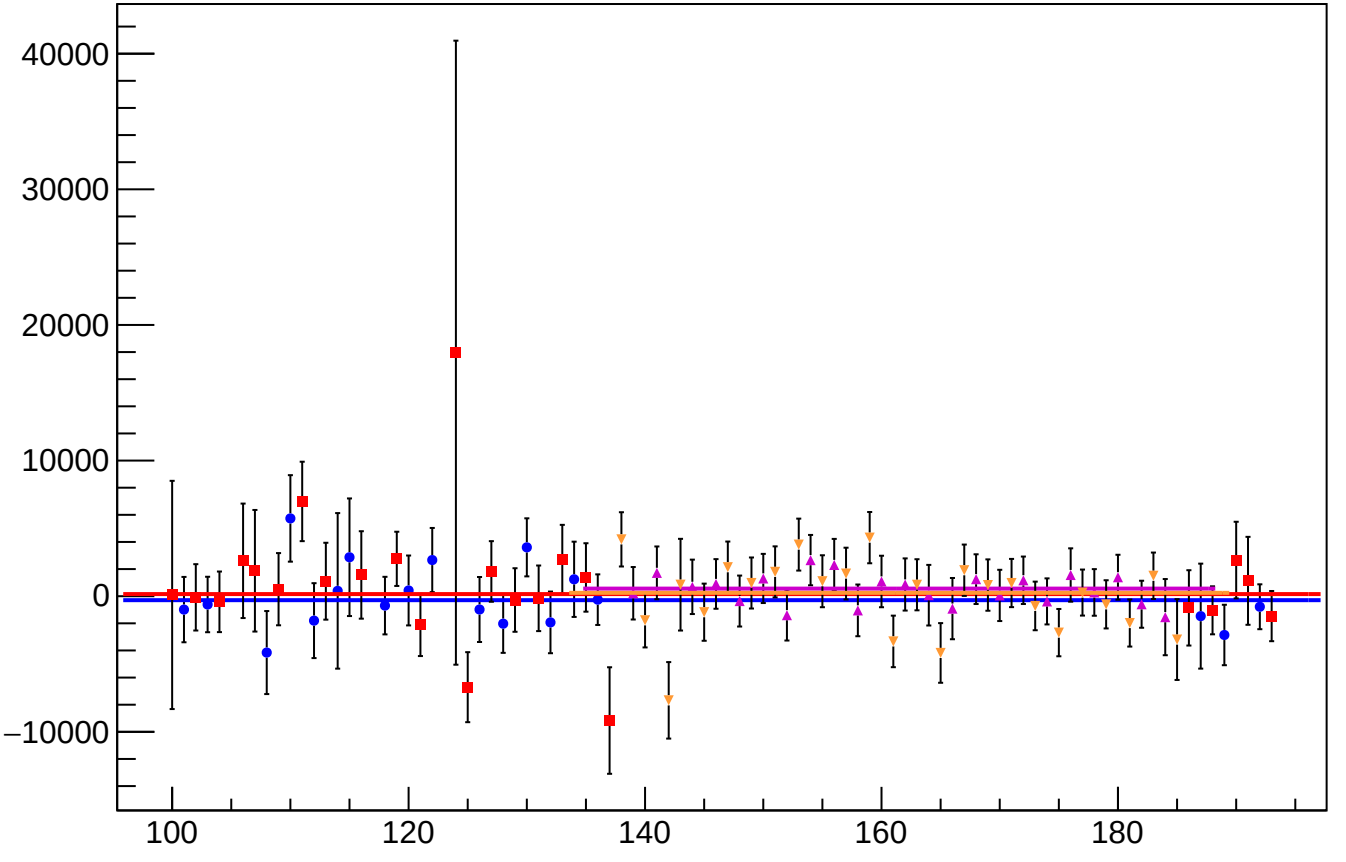
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 993.448+/-0.227 χ^2/NDF: 36841161.9/43

All: 876.759+/-0.155 χ^2/NDF: 80364885.7/90

- sign 775.186+/-0.212 χ^2/NDF: 43031145.2/46

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: 156.042+/-538.240 χ^2/NDF: 26.4/23

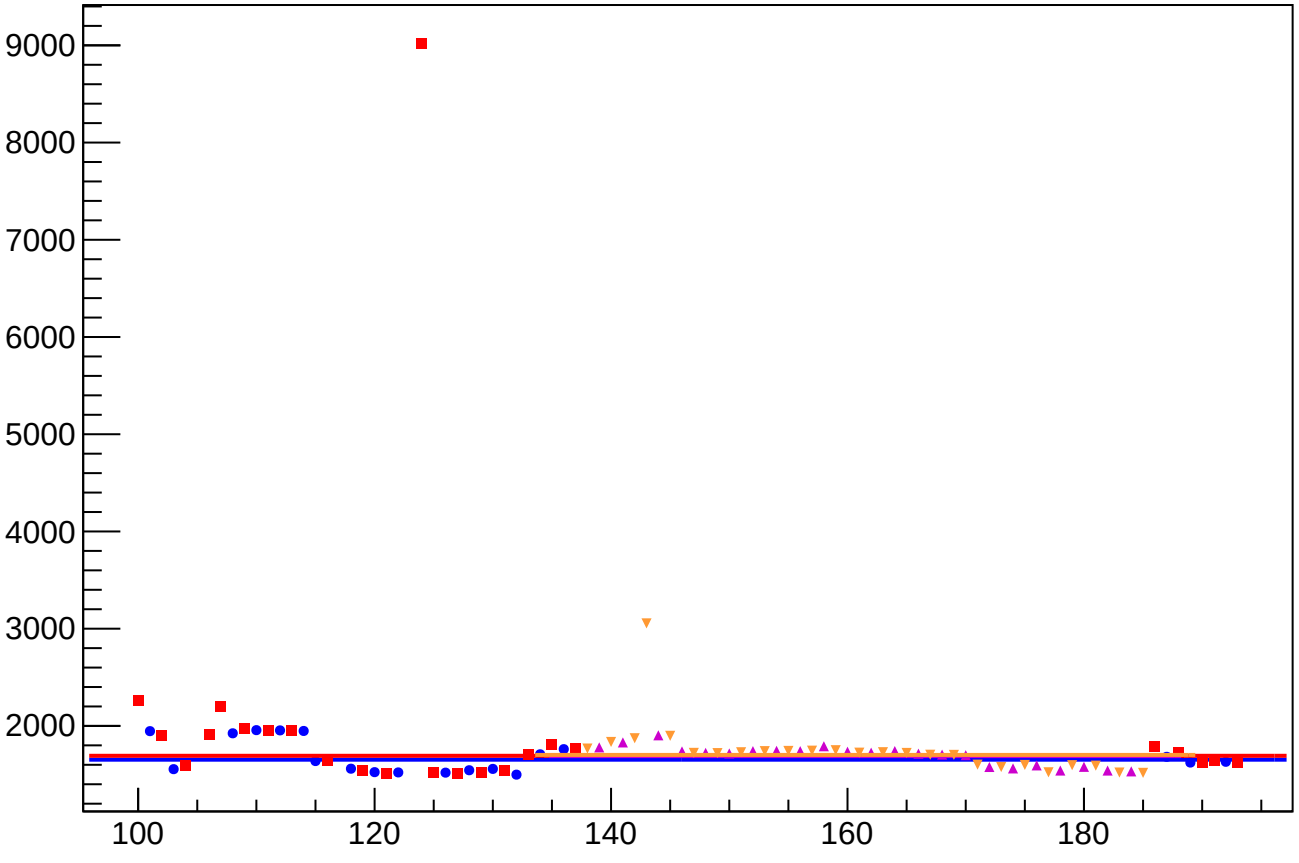
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 70.534+/-318.627 χ^2/NDF: 54.4/43

All: 244.592+/-225.261 χ^2/NDF: 89.3/90

- sign 418.518+/-318.507 χ^2/NDF: 34.3/46

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: 1692.611+/-0.379 χ^2/NDF: 395946.2/23

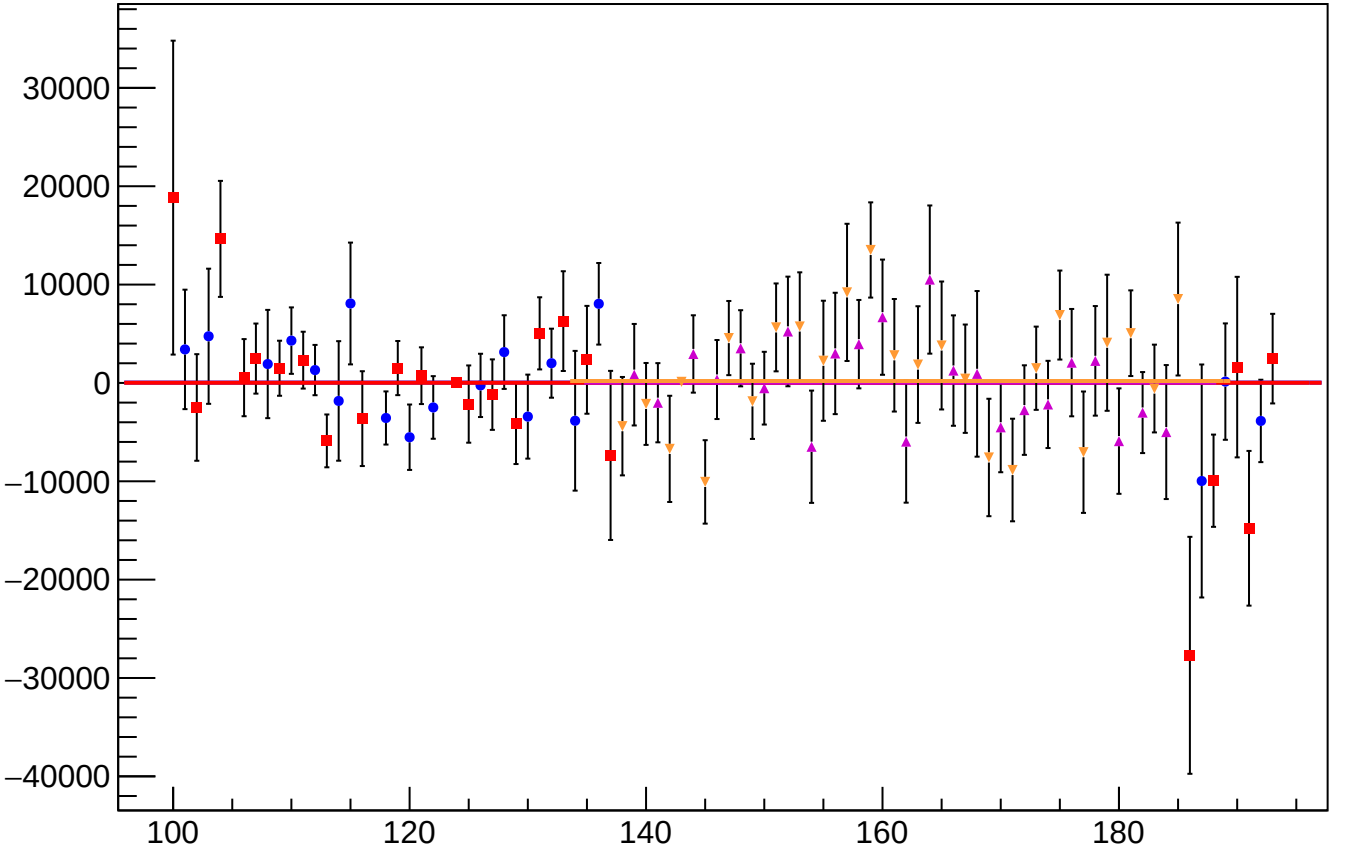
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1685.480+/-0.225 χ^2/NDF: 607718.4/43

All: 1687.962+/-0.159 χ^2/NDF: 1126275.6/90

- sign 1690.437+/-0.225 χ^2/NDF: 518314.8/46

asym_atl_dd_eigen_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: 17.880+/-313.753 χ^2/NDF: 34.3/23

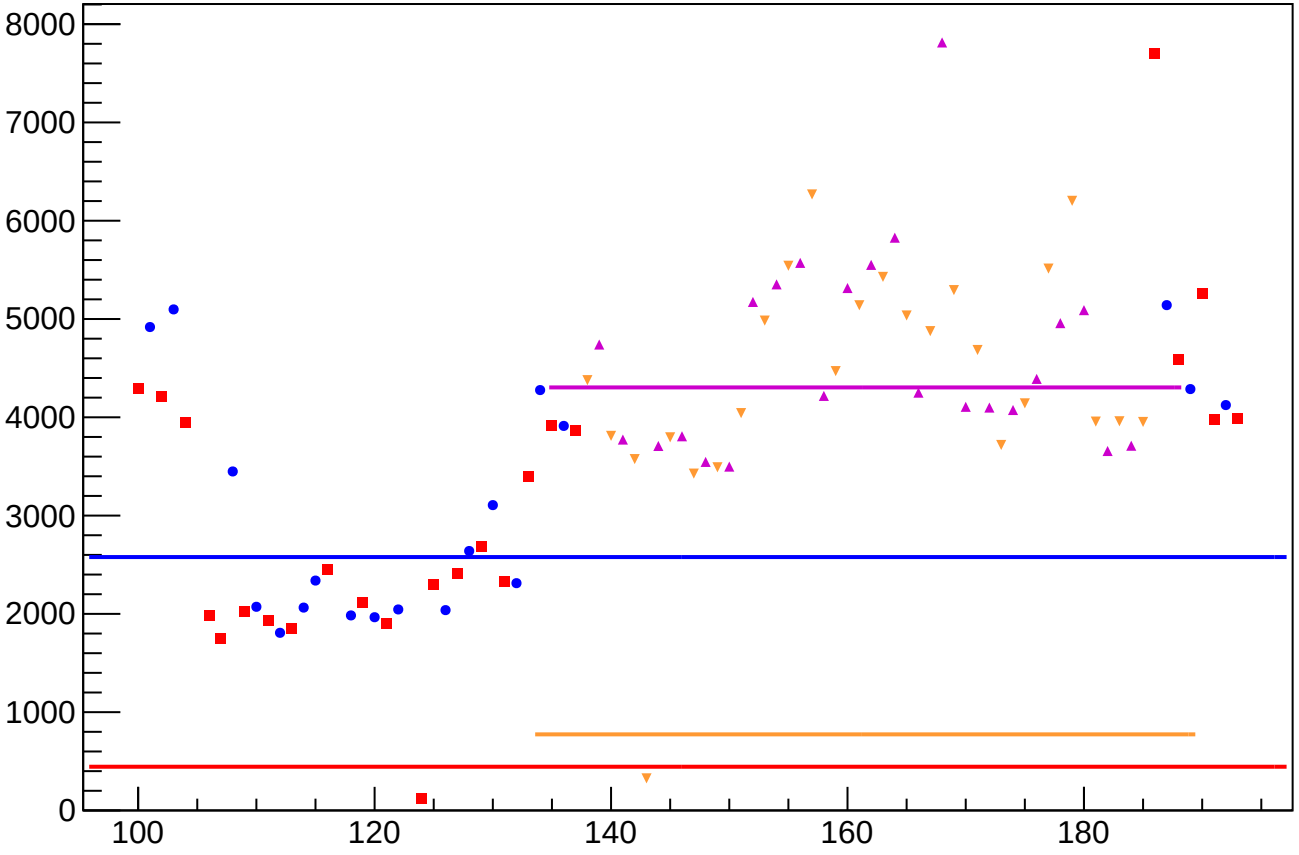
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 174.427+/-321.576 χ^2/NDF: 50.9/43

All: 91.231+/-219.373 χ^2/NDF: 98.7/90

- sign 18.812+/-300.024 χ^2/NDF: 47.6/46

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: 444.854+/-0.222 χ^2/NDF: 15914790.8/23

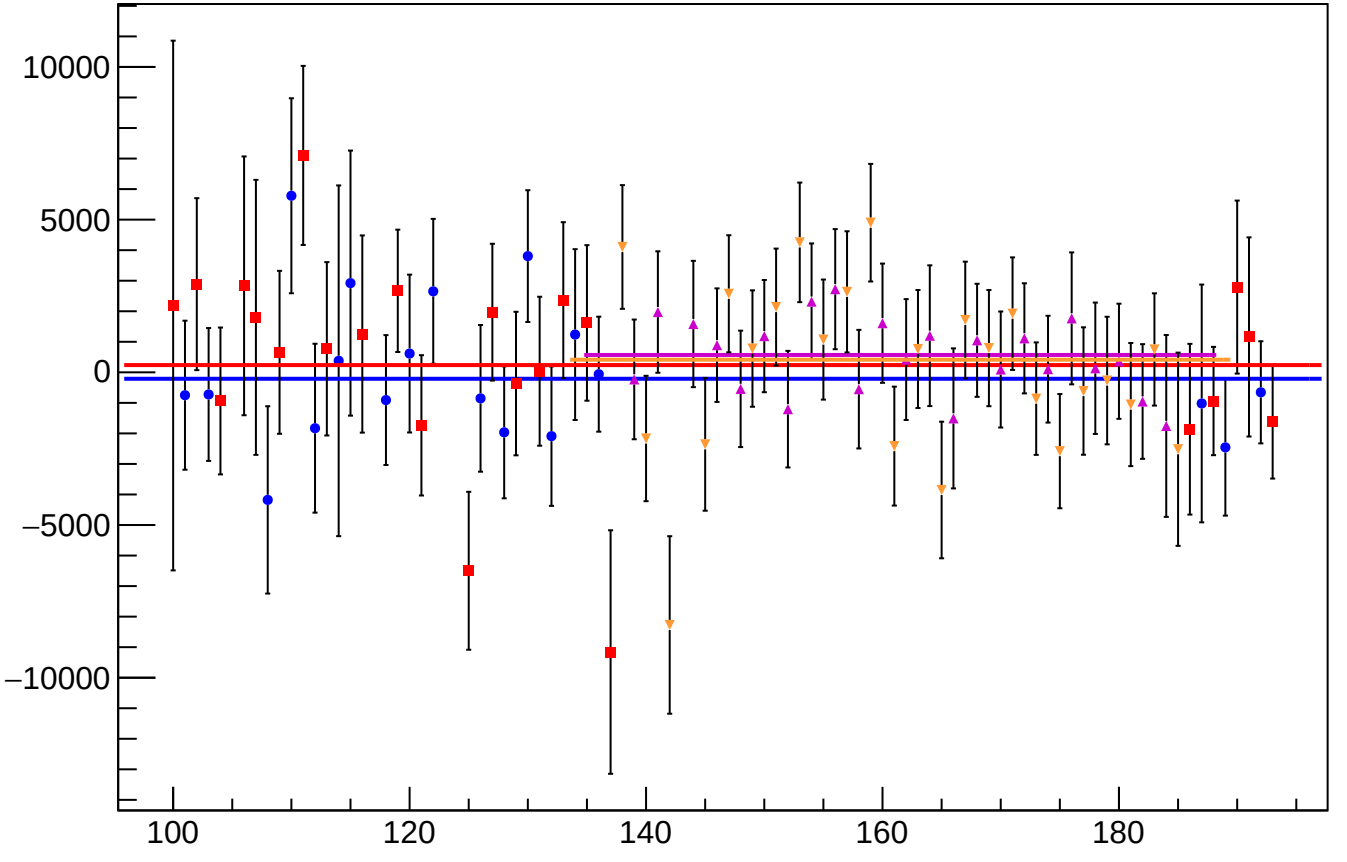
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 993.448+/-0.227 χ^2/NDF: 36841161.9/43

All: 876.759+/-0.155 χ^2/NDF: 80364885.7/90

- sign 775.186+/-0.212 χ^2/NDF: 43031145.2/46

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: 237.475+/-545.966 χ^2/NDF: 26.4/22

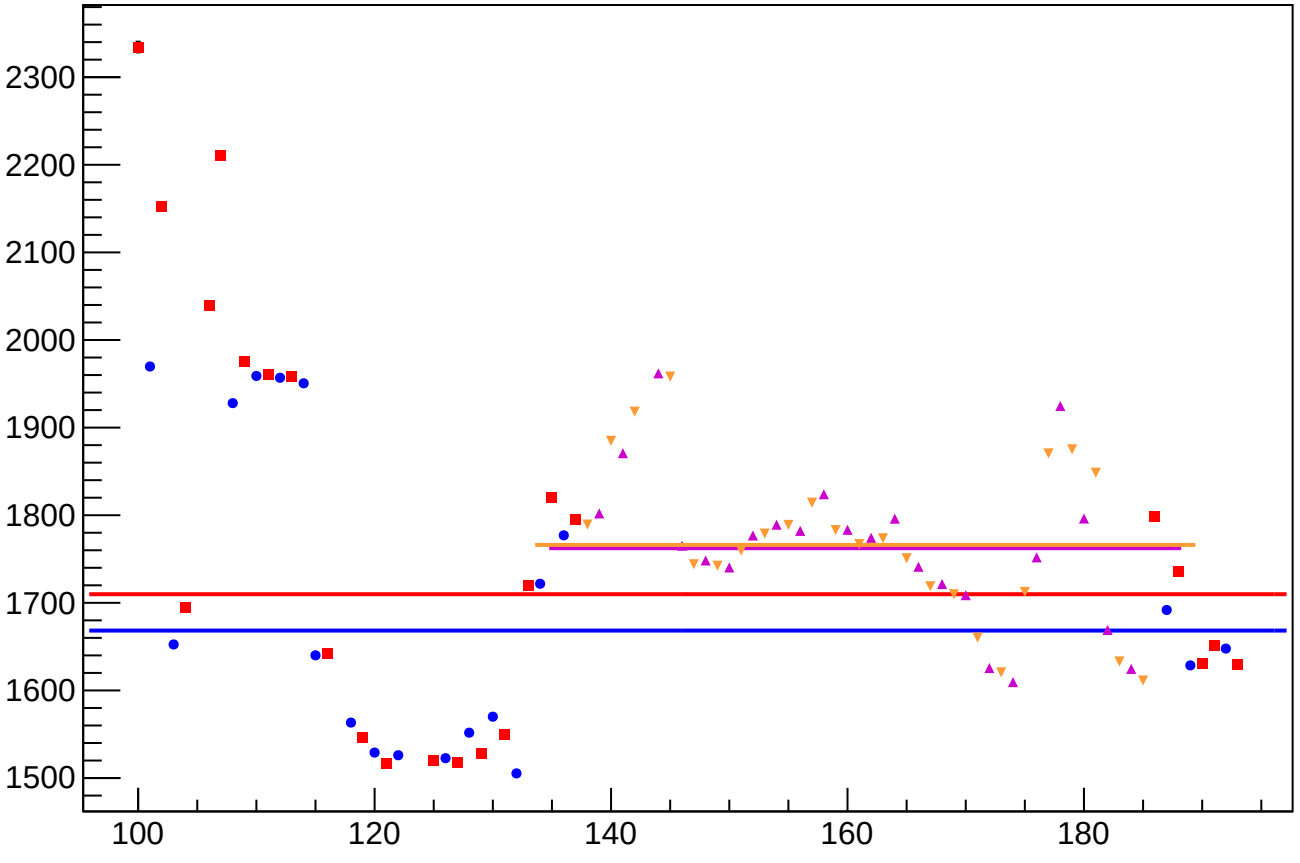
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 195.724+/-331.356 χ^2/NDF: 54.9/42

All: 323.094+/-233.429 χ^2/NDF: 89.6/88

- sign 448.578+/-328.895 χ^2/NDF: 34.4/45

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: 1709.848+/-0.385 χ^2/NDF: 236273.6/22

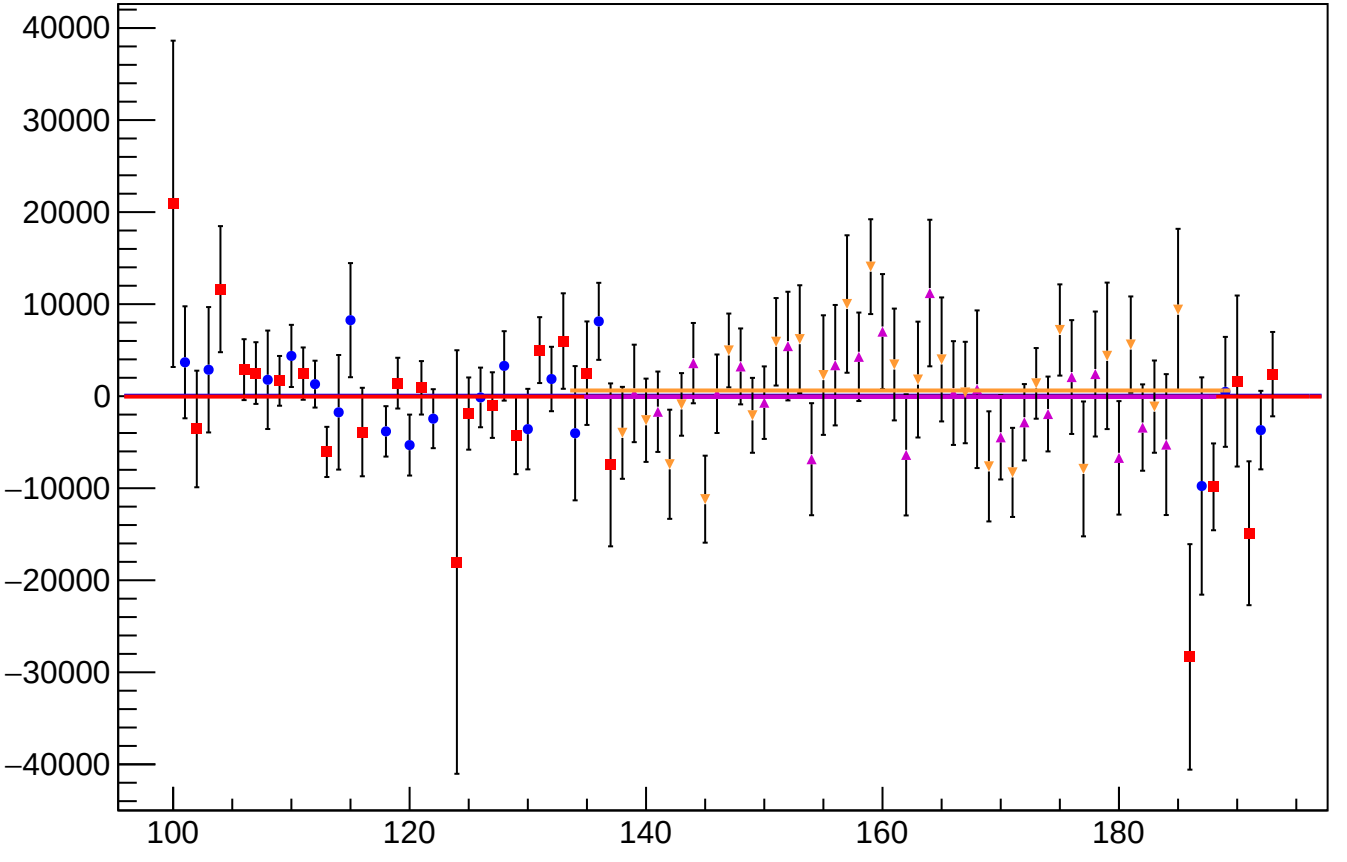
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1732.036+/-0.234 χ^2/NDF: 264823.3/42

All: 1737.709+/-0.165 χ^2/NDF: 594183.8/88

- sign 1743.292+/-0.232 χ^2/NDF: 328197.2/45

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: -44.482+/-843.080 χ^2/NDF: 32.8/23

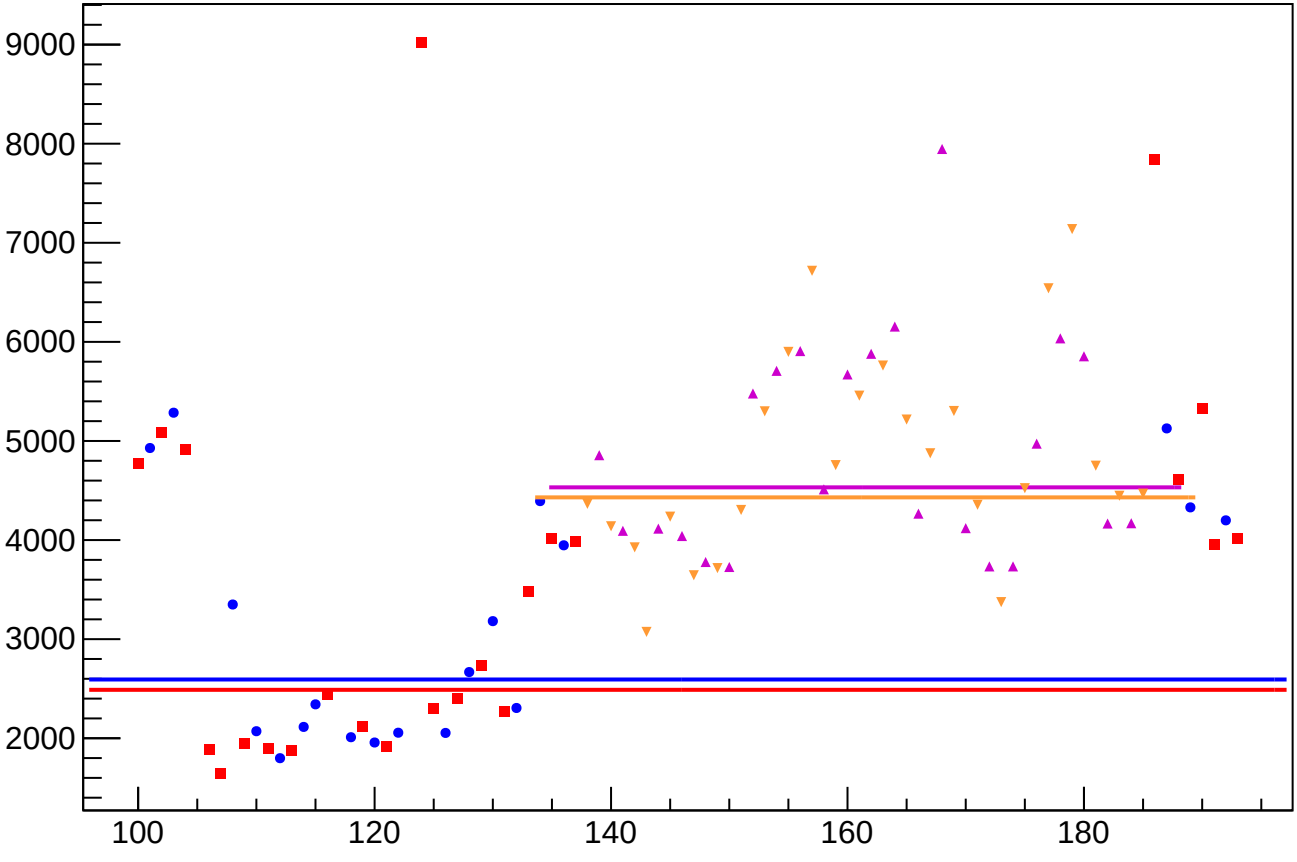
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 304.035+/-690.252 χ^2/NDF: 50.0/43

All: 115.293+/-478.961 χ^2/NDF: 95.8/90

- sign -59.973+/-665.150 χ^2/NDF: 45.7/46

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: 2488.679+/-0.596 χ^2/NDF: 2920136.3/23

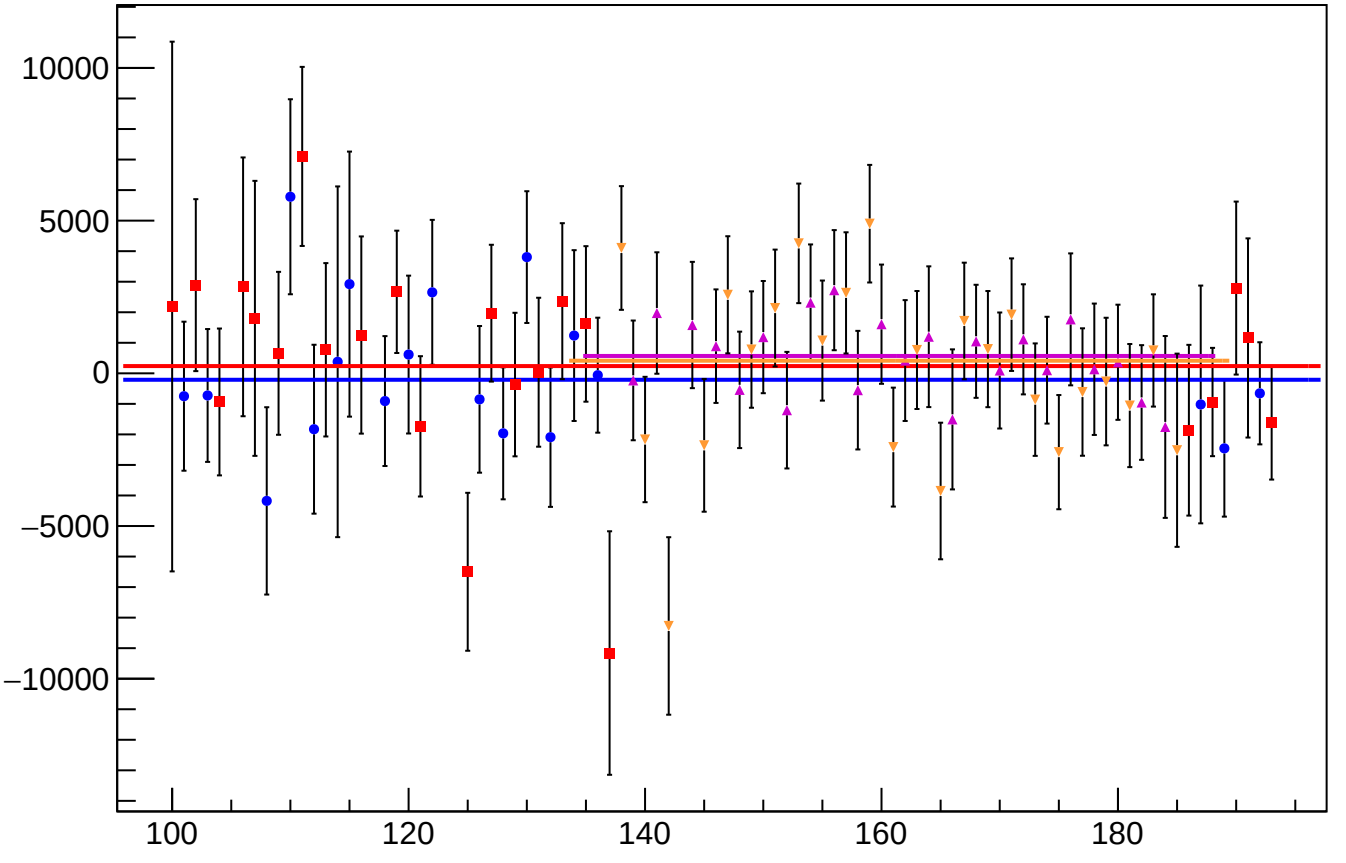
Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3410.917+/-0.488 χ^2/NDF: 7222228.6/43

All: 3332.727+/-0.339 χ^2/NDF: 16003597.3/9

- sign 3260.120+/-0.470 χ^2/NDF: 8731873.4/46

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: 237.477+/-545.966 χ^2/NDF: 26.4/22

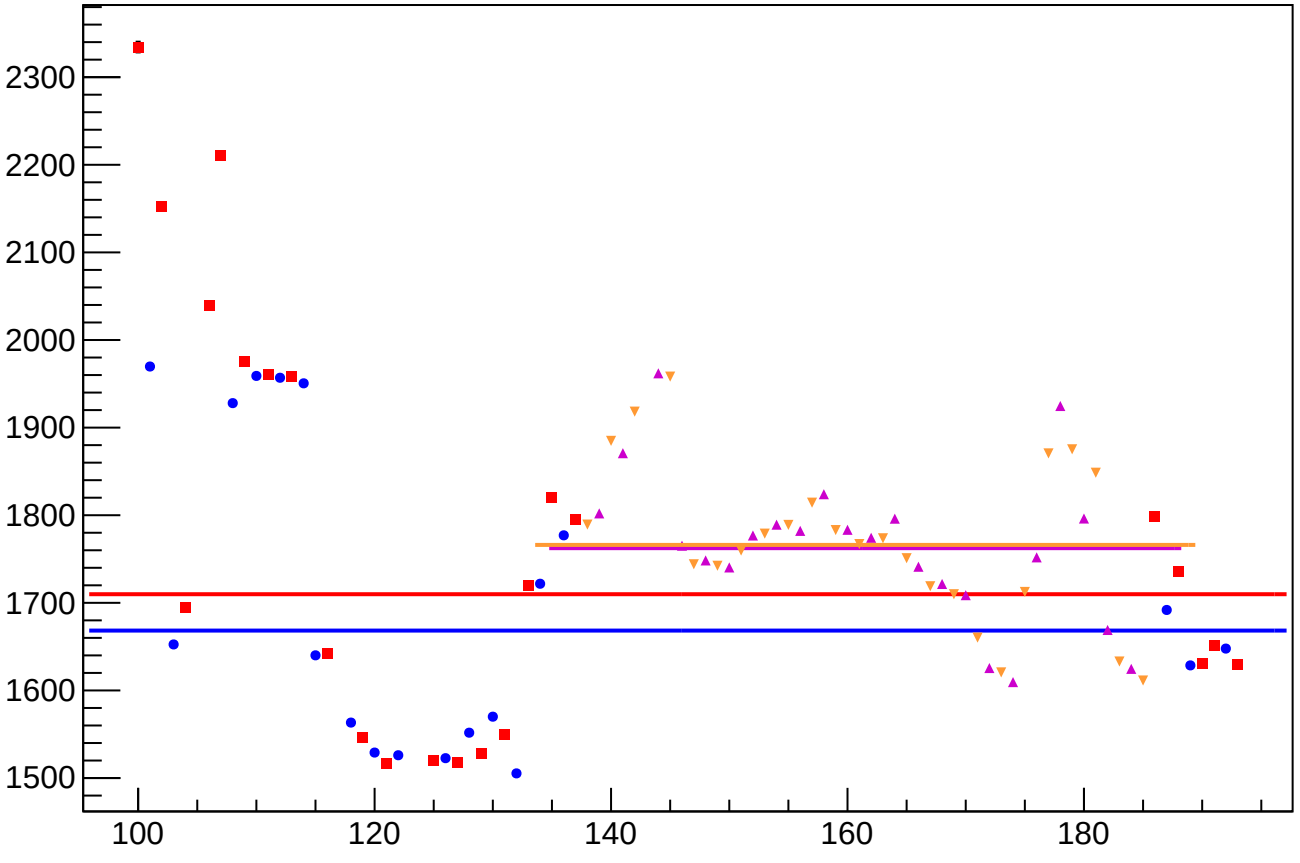
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 195.724+/-331.356 χ^2/NDF: 54.9/42

All: 323.094+/-233.429 χ^2/NDF: 89.6/88

- sign 448.578+/-328.895 χ^2/NDF: 34.4/45

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: 1709.848+/-0.385 χ^2/NDF: 236272.8/22

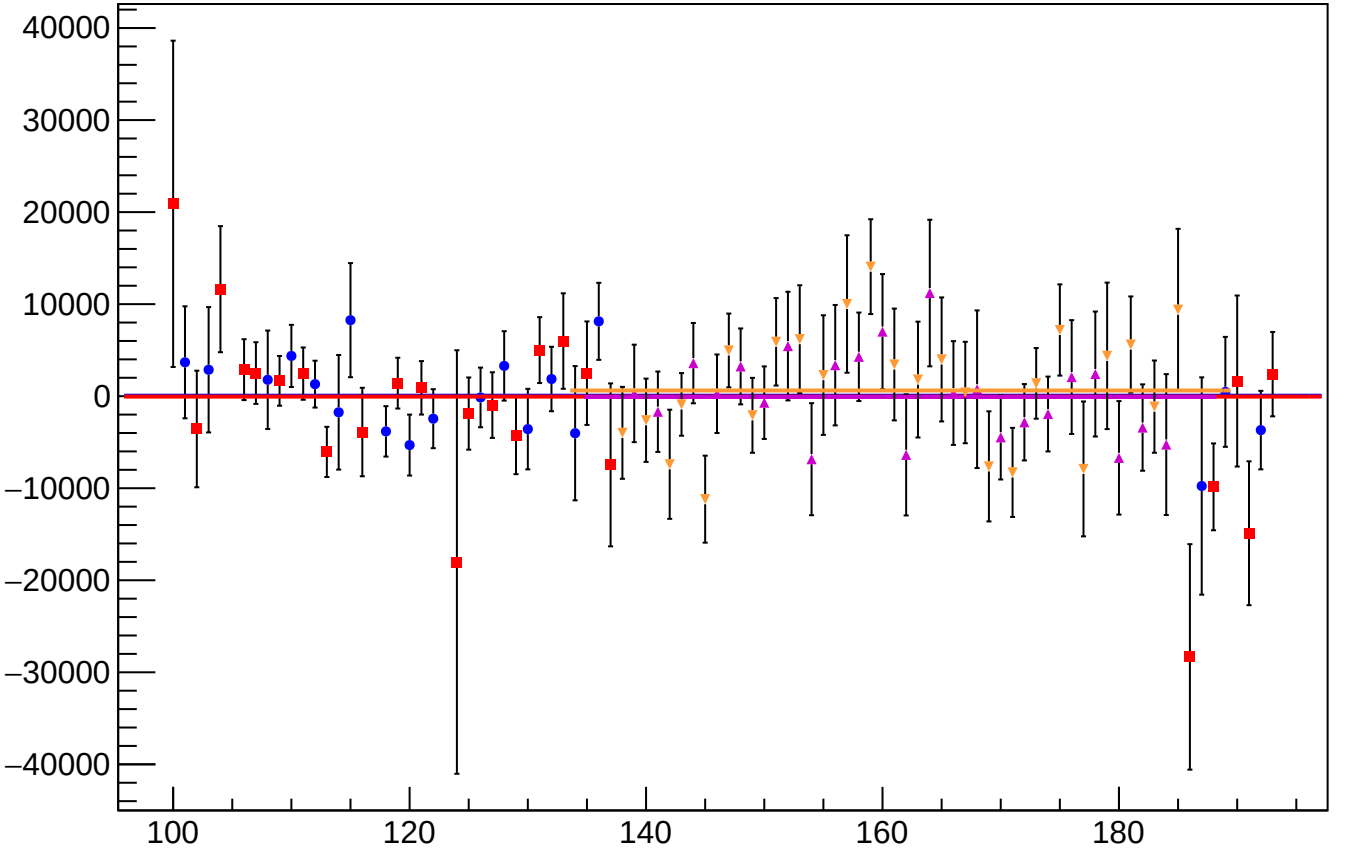
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1732.036+/-0.234 χ^2/NDF: 264827.3/42

All: 1737.710+/-0.165 χ^2/NDF: 594190.1/88

- sign 1743.293+/-0.232 χ^2/NDF: 328199.6/45

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: -44.477+/-843.077 χ^2/NDF: 32.8/23

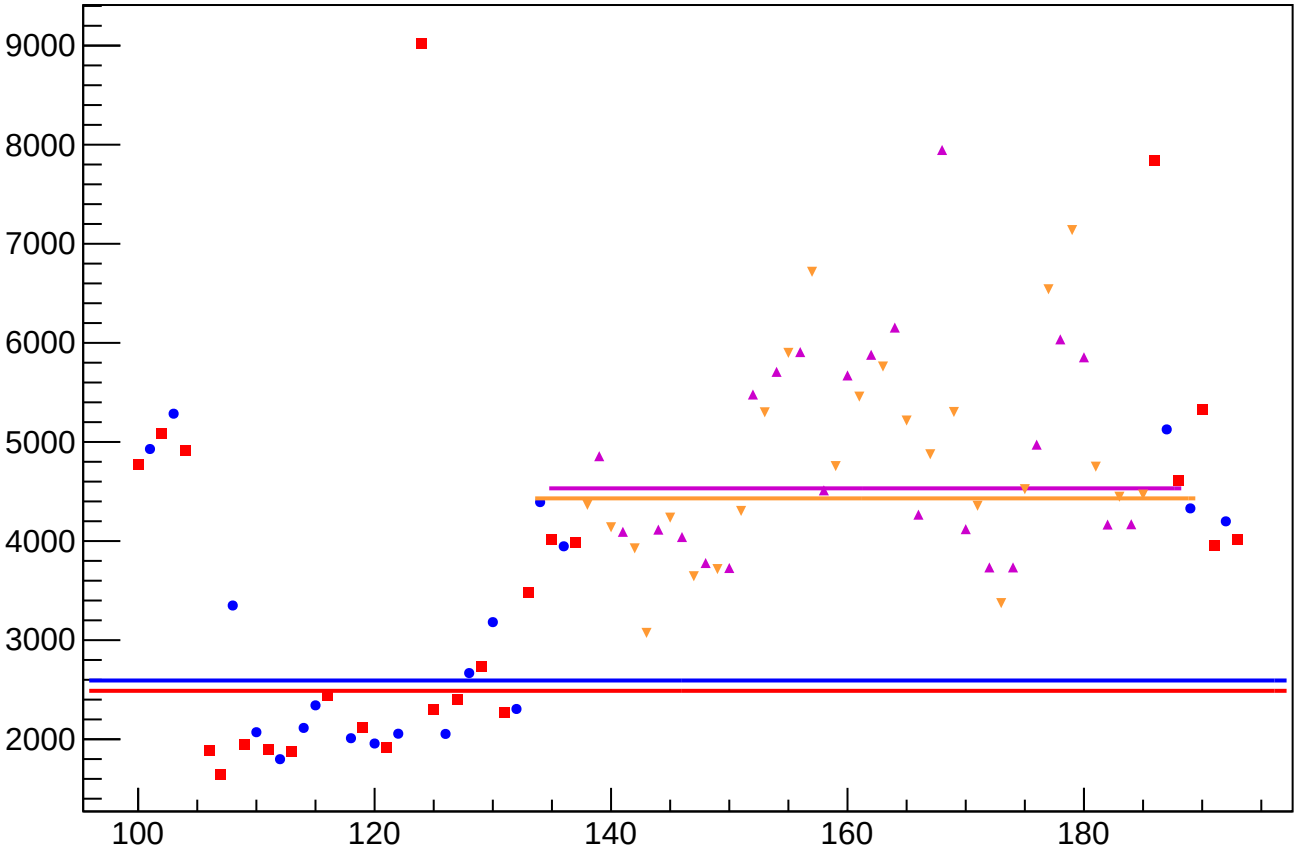
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 304.034+/-690.251 χ^2/NDF: 50.0/43

All: 115.293+/-478.960 χ^2/NDF: 95.8/90

- sign -59.969+/-665.150 χ^2/NDF: 45.7/46

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: 2488.670+/-0.596 χ^2/NDF: 2920159.0/23

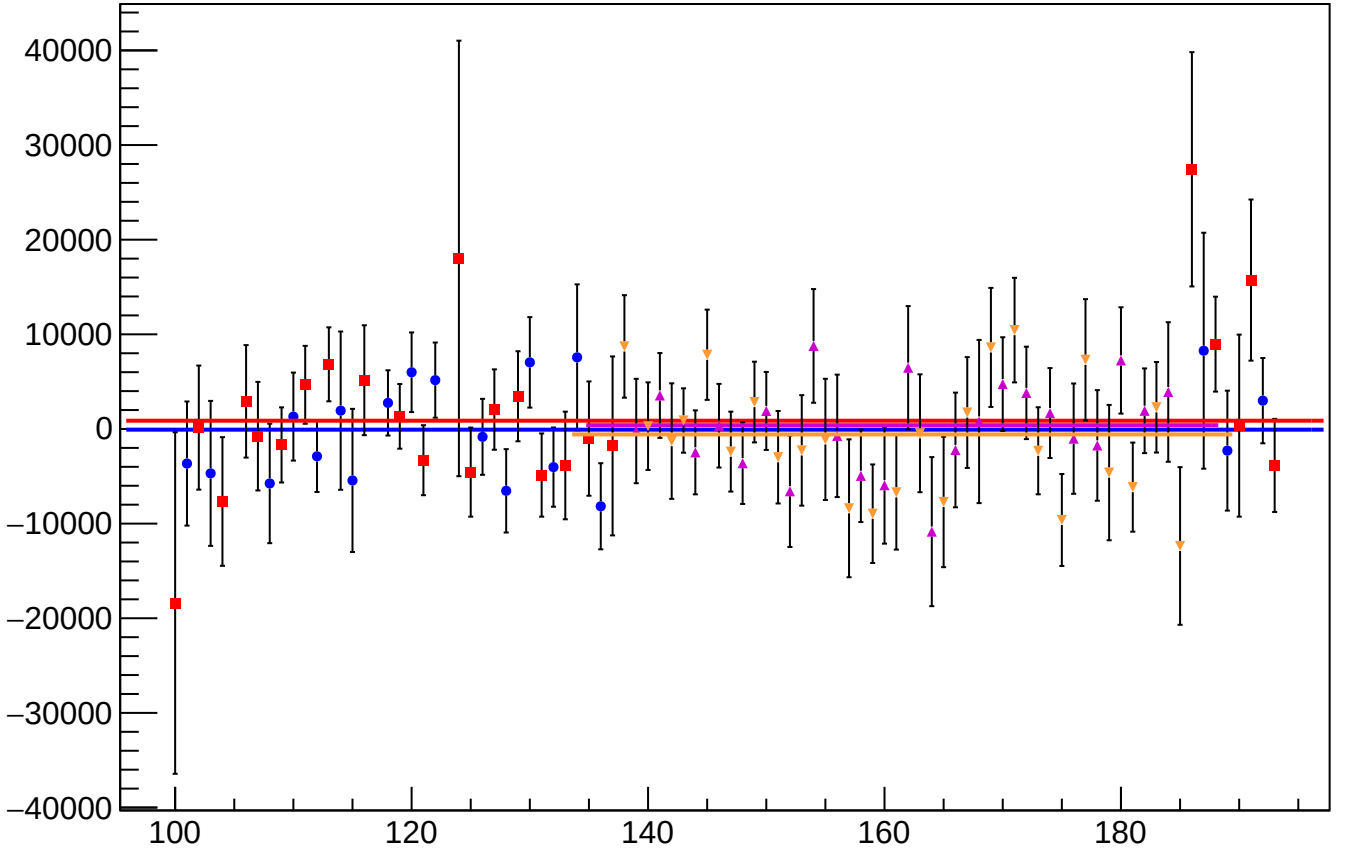
Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3410.910+/-0.488 χ^2/NDF: 7222326.0/43

All: 3332.719+/-0.339 χ^2/NDF: 16003789.2/9

- sign 3260.112+/-0.470 χ^2/NDF: 8731968.0/46

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

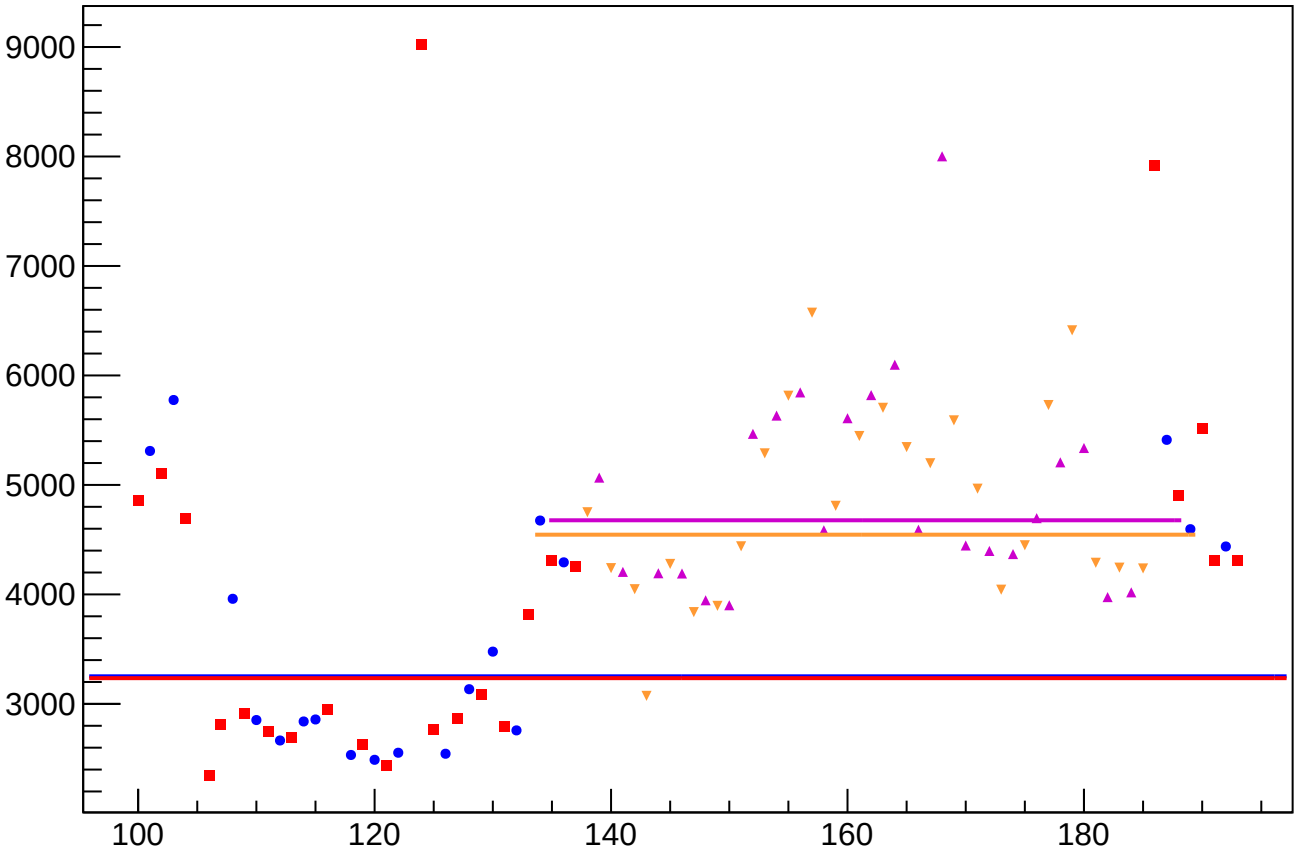
Right Out: 873.872+/-1076.146 χ^2/NDF: 24.4/23

Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -341.085+/-772.238 χ^2/NDF: 46.5/43

All: 151.005+/-546.137 χ^2/NDF: 85.8/90

- sign 643.390+/-772.469 χ^2/NDF: 38.5/46



Right In: 3251.792+/-0.802 χ^2/NDF: 1284332.4/18

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

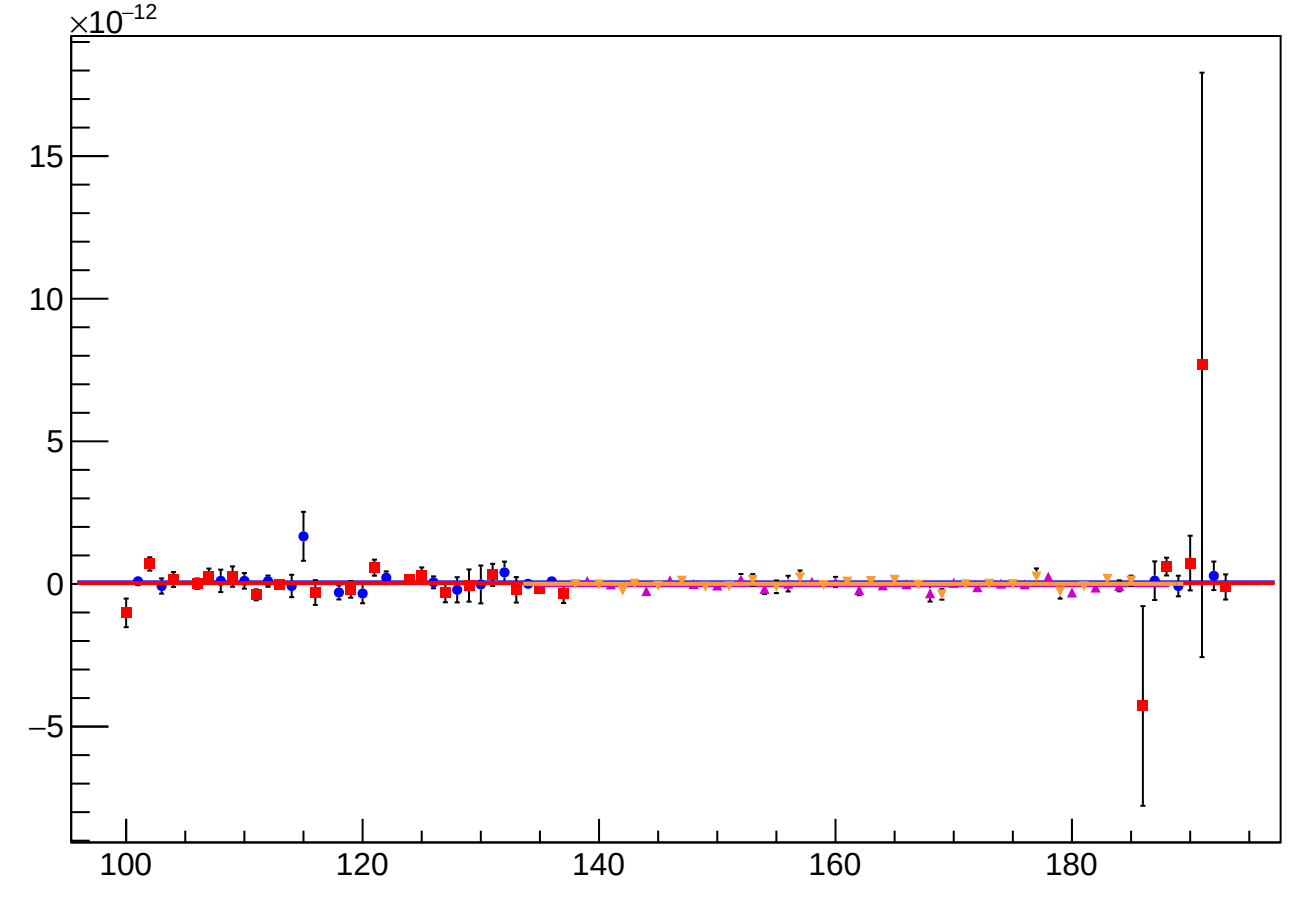
Right Out: 3235.003+/-0.752 χ^2/NDF: 1639739.0/23

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

+ sign 3945.164+/-0.546 χ^2/NDF: 3938854.2/43

All: 3935.276+/-0.385 χ^2/NDF: 8299965.7/90

- sign 3925.502+/-0.543 χ^2/NDF: 4360459.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 9.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

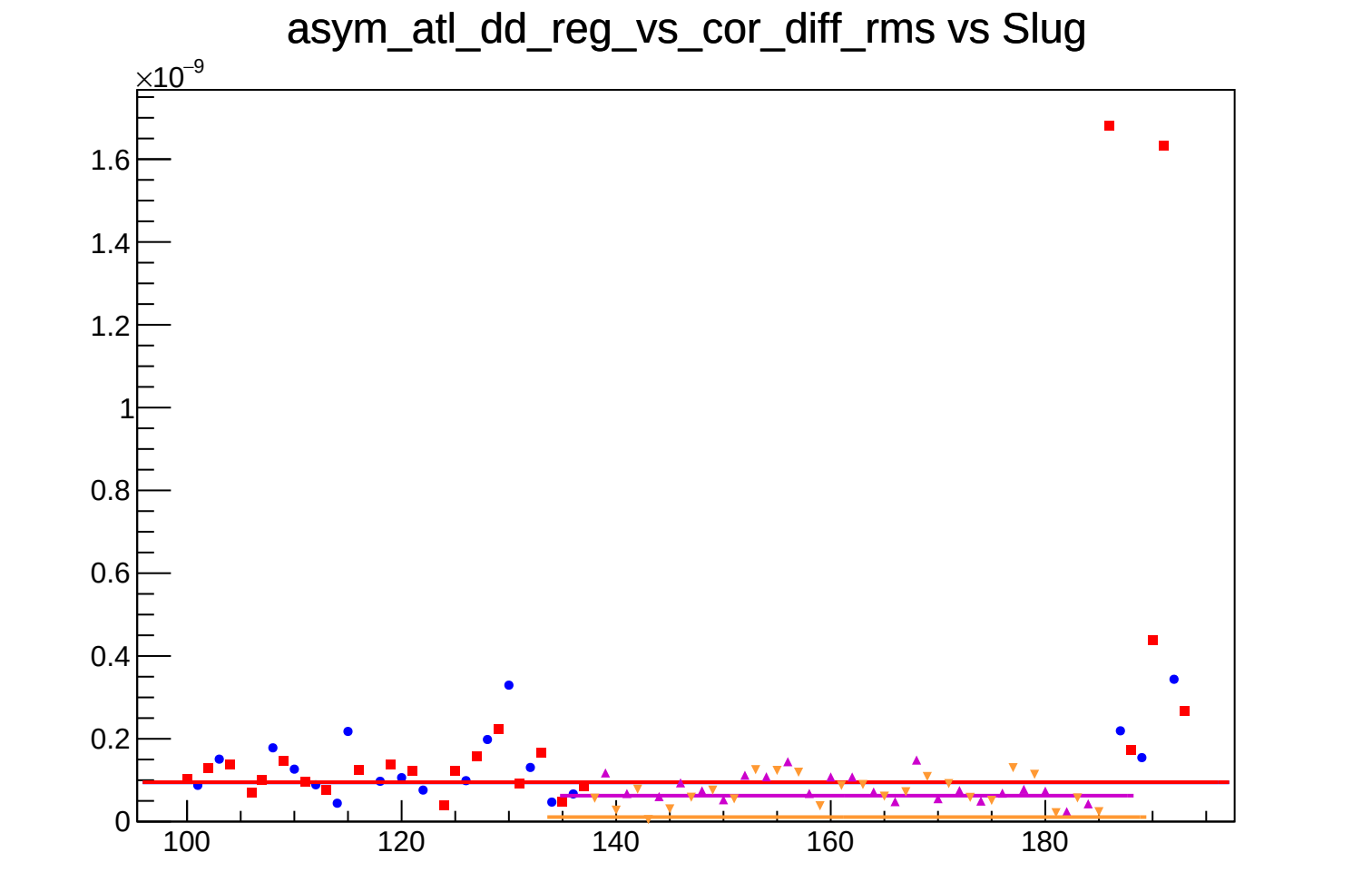
Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/23

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.7/43

All: 0.000+/-0.000 χ^2/NDF: 89.1/90

- sign -0.000+/-0.000 χ^2/NDF: 58.5/46



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: 2183673.7/23

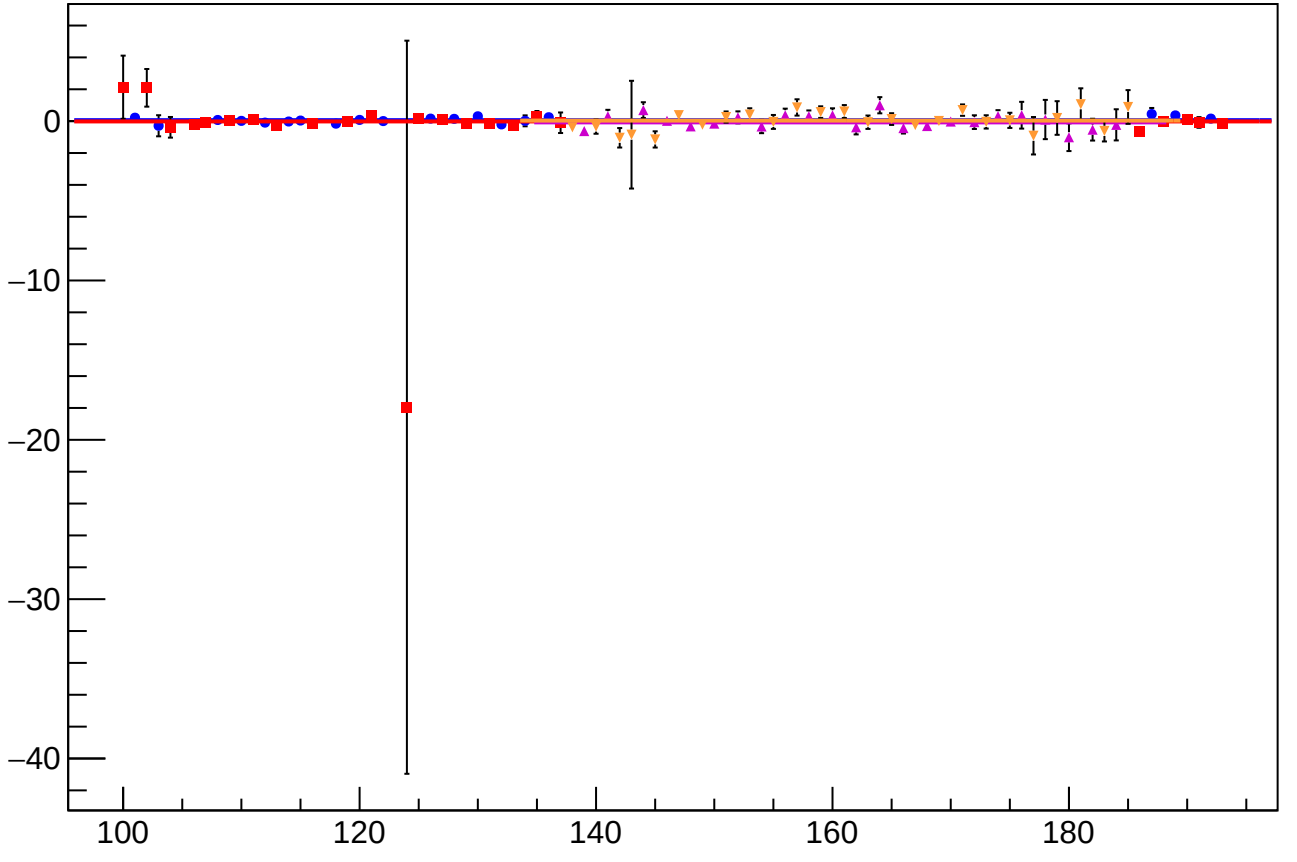
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15794071.6/43

All: 0.000+/-0.000 χ^2/NDF: 30766539.8/90

- sign 0.000+/-0.000 χ^2/NDF: 4858877.1/46

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: -0.018+/-0.036 χ^2/NDF: 29.0/23

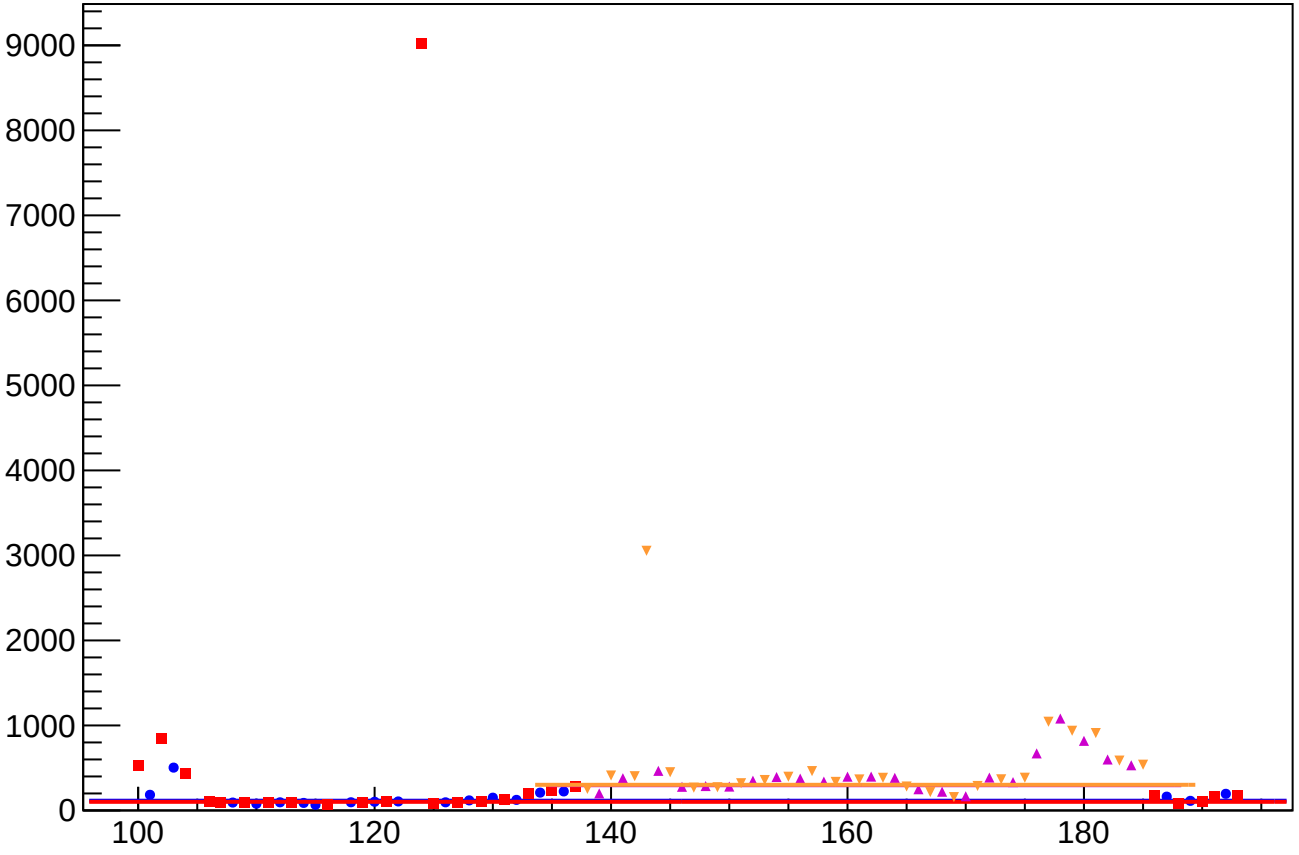
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.056+/-0.037 χ^2/NDF: 43.9/43

All: 0.008+/-0.025 χ^2/NDF: 100.5/90

- sign -0.029+/-0.033 χ^2/NDF: 53.6/46

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: 101.603+/-0.026 χ^2/NDF: 3232900.9/23

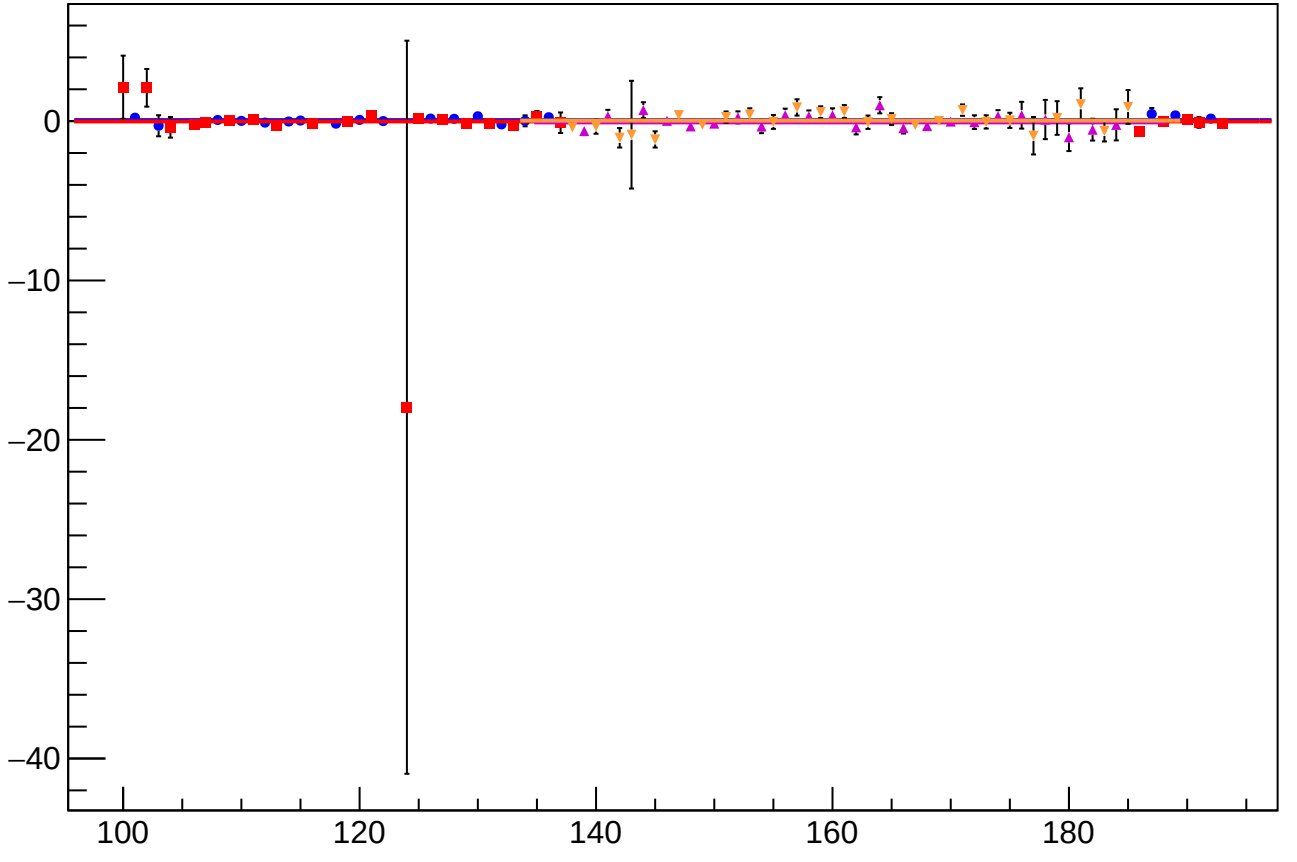
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 158.073+/-0.026 χ^2/NDF: 18076908.3/43

All: 147.017+/-0.017 χ^2/NDF: 37336639.5/90

- sign 138.355+/-0.023 χ^2/NDF: 18943339.1/46

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: -0.018+/-0.036 χ^2/NDF: 29.0/23

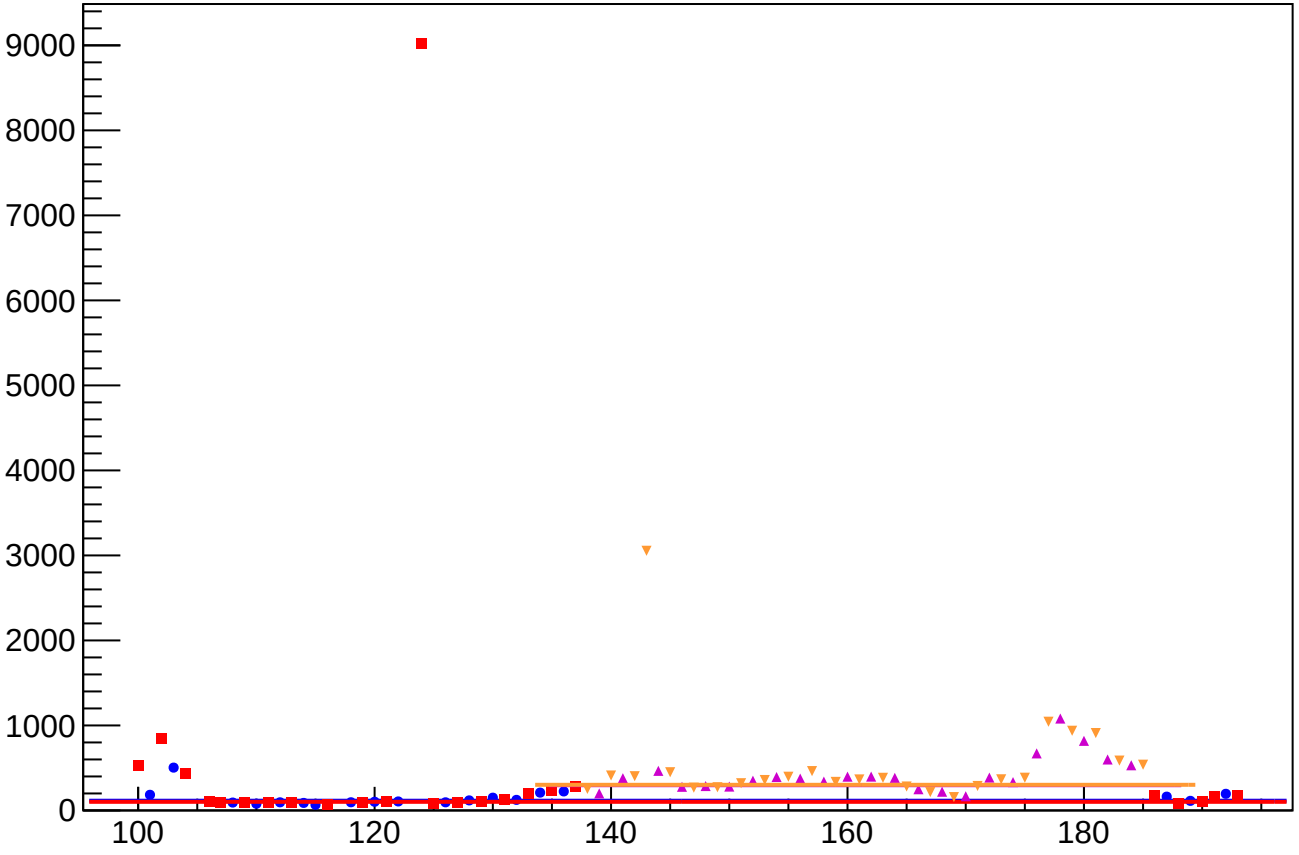
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.056+/-0.037 χ^2/NDF: 43.9/43

All: 0.008+/-0.025 χ^2/NDF: 100.5/90

- sign -0.029+/-0.033 χ^2/NDF: 53.6/46

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

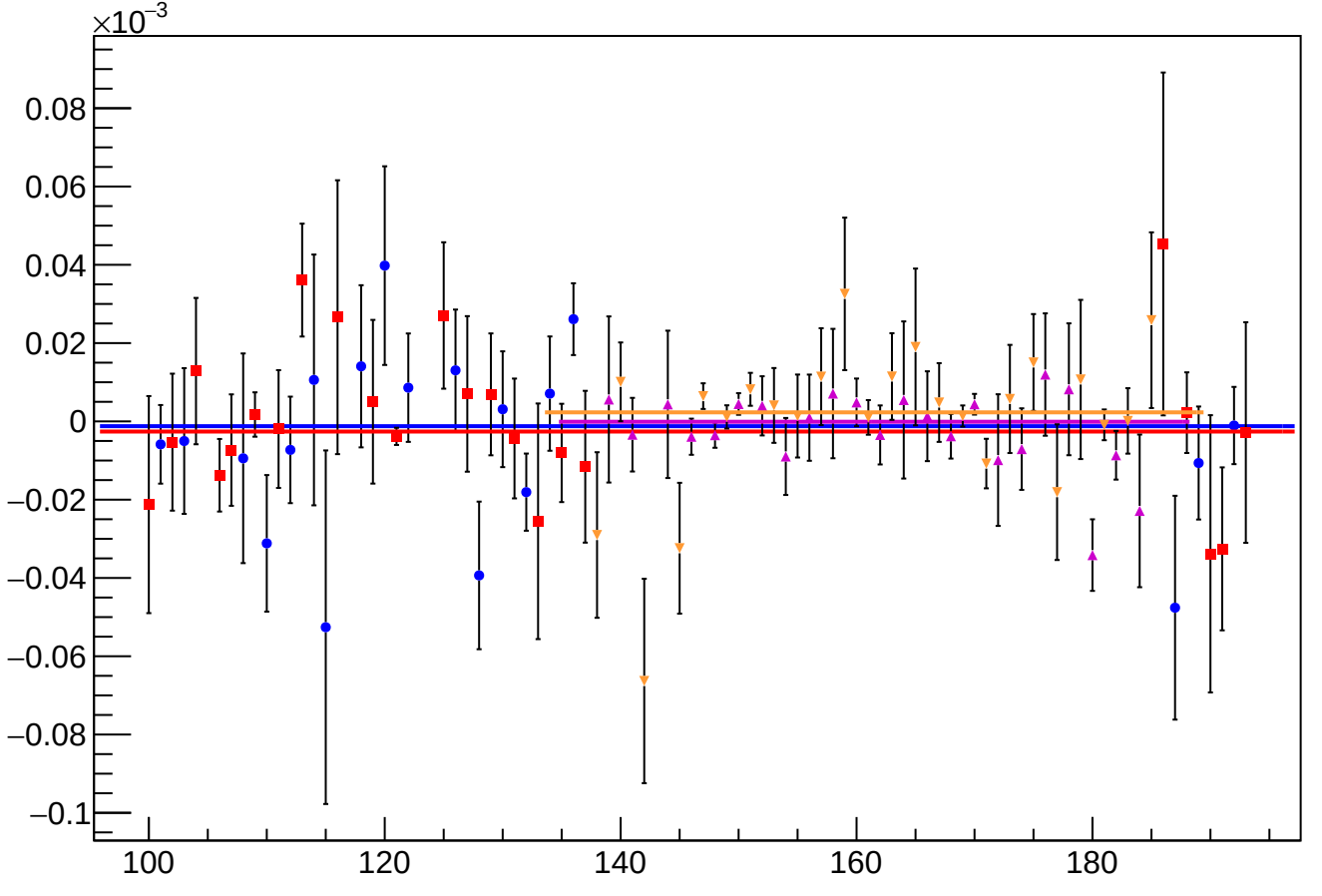
Right Out: 101.603+/-0.026 χ^2/NDF: 3232900.9/23

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 158.073+/-0.026 χ^2/NDF: 18076908.3/43

All: 147.017+/-0.017 χ^2/NDF: 37336639.5/90

- sign 138.355+/-0.023 χ^2/NDF: 18943339.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

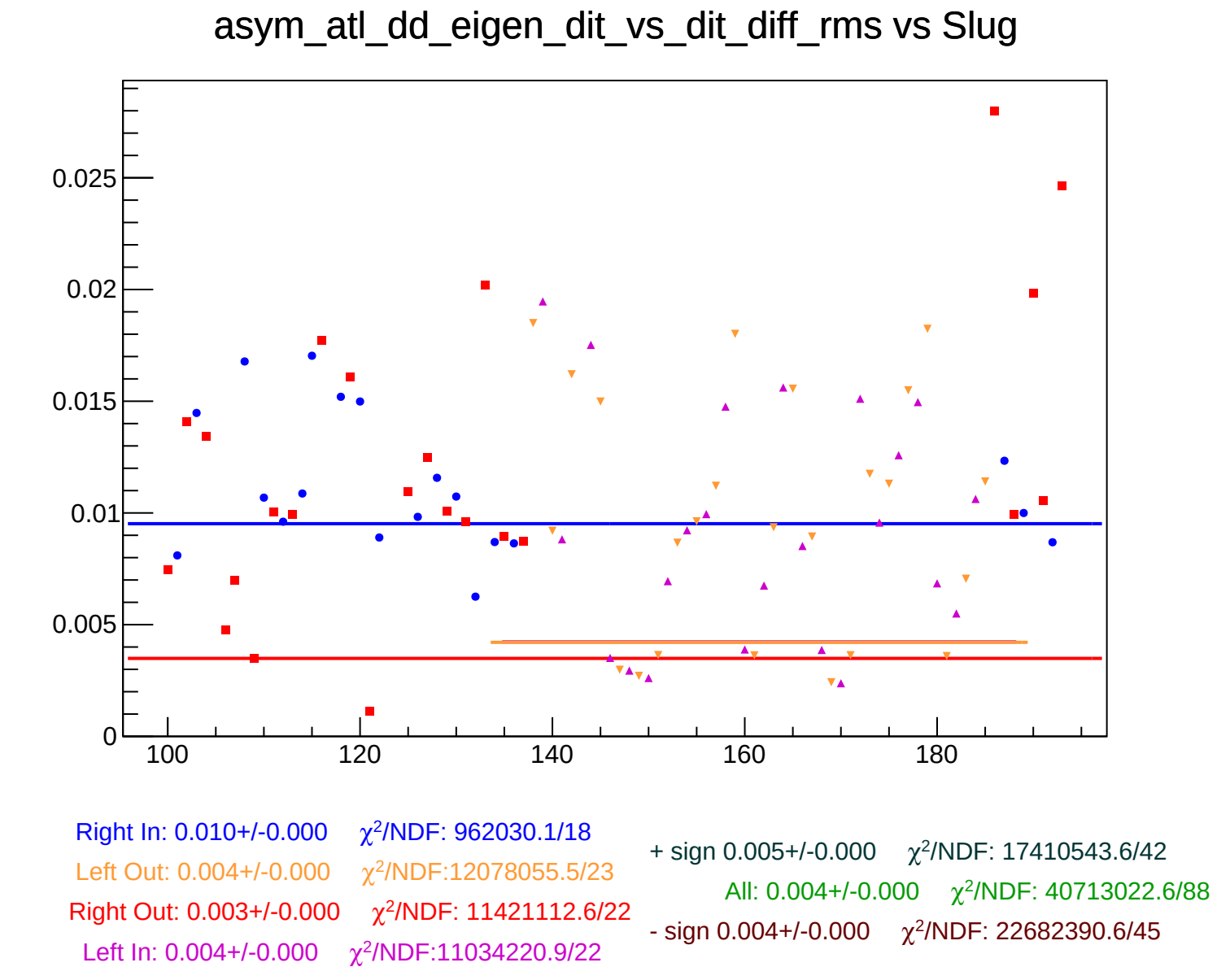
Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/22

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

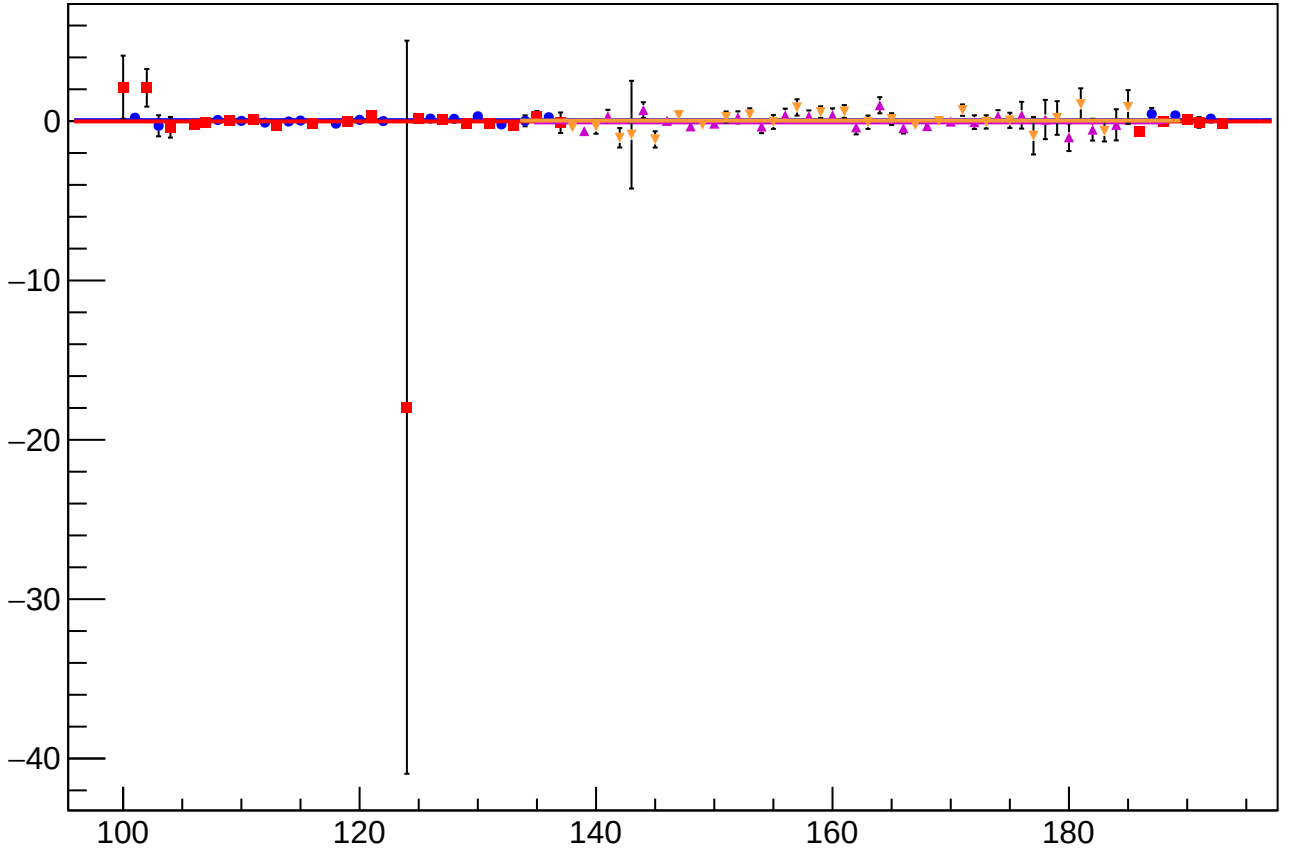
+ sign 0.000+/-0.000 χ^2/NDF: 60.9/42

All: 0.000+/-0.000 χ^2/NDF: 114.6/88

- sign -0.000+/-0.000 χ^2/NDF: 50.4/45


asym_atl_dd_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: 962030.1/18
Left Out: 0.004+/-0.000 χ²/NDF:12078055.5/23
Right Out: 0.003+/-0.000 χ²/NDF: 11421112.6/22
Left In: 0.004+/-0.000 χ²/NDF:11034220.9/22
+ sign 0.005+/-0.000 χ²/NDF: 17410543.6/42
All: 0.004+/-0.000 χ²/NDF: 40713022.6/88
- sign 0.004+/-0.000 χ²/NDF: 22682390.6/45

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: -0.018+/-0.036 χ^2/NDF: 29.0/23

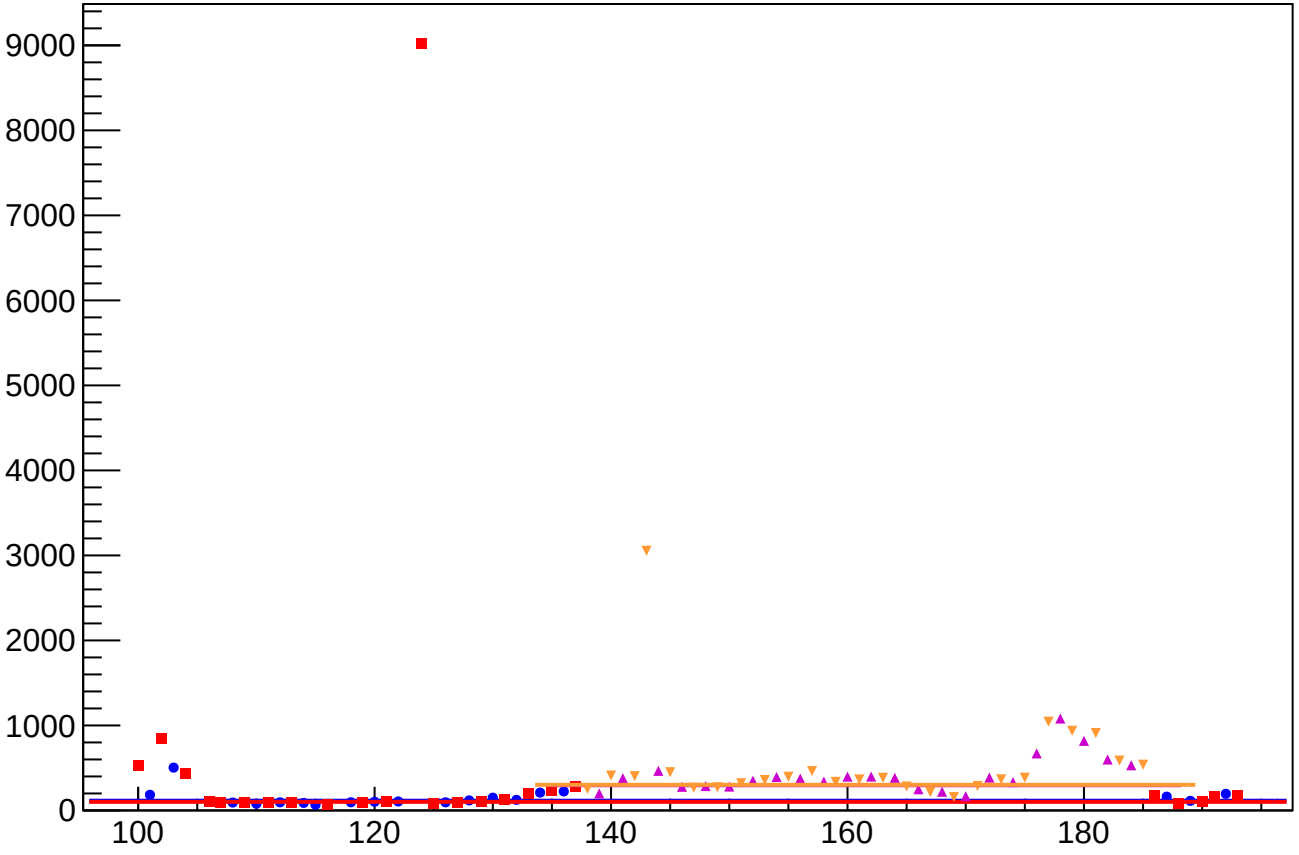
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

\+ sign 0.056+/-0.037 χ^2/NDF: 43.9/43

All: 0.008+/-0.025 χ^2/NDF: 100.5/90

\- sign -0.029+/-0.033 χ^2/NDF: 53.6/46

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

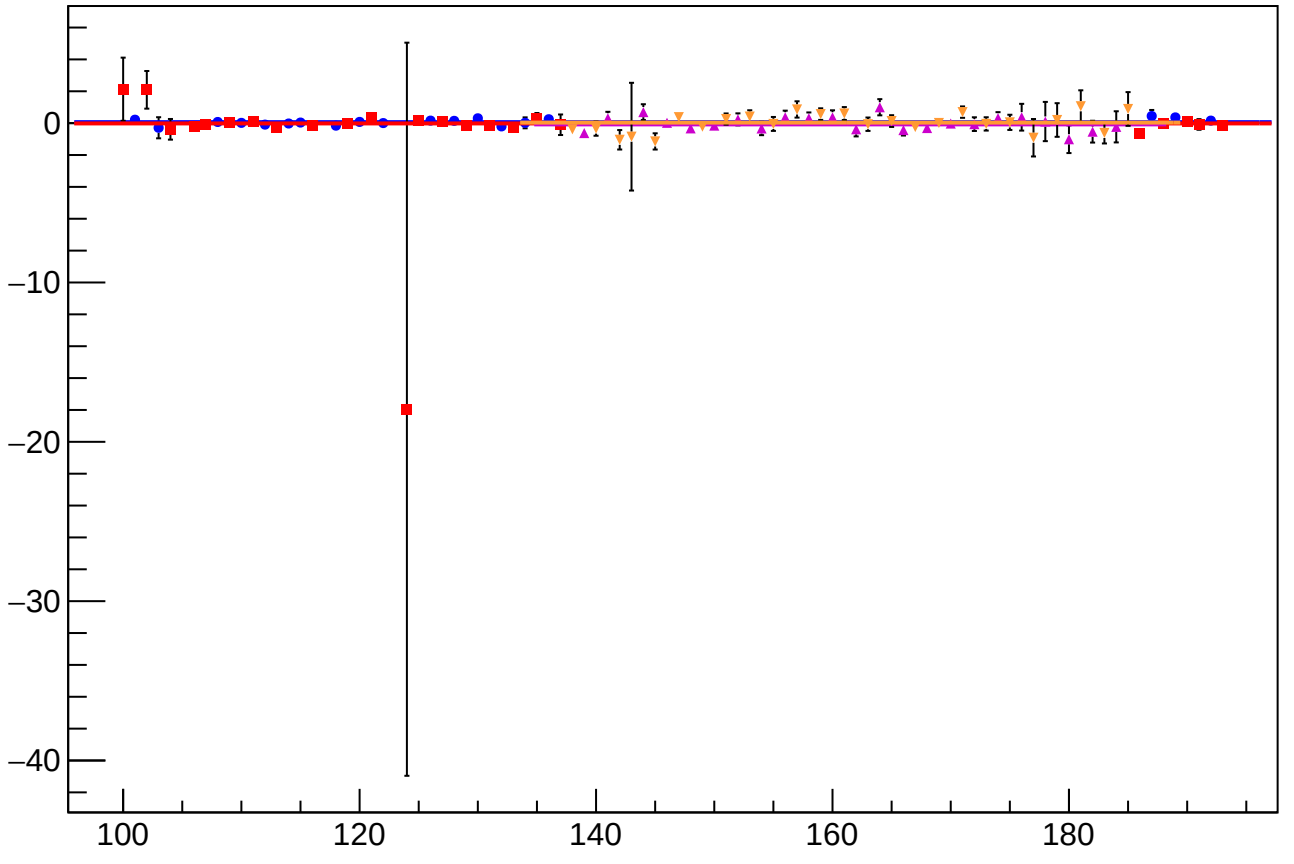
Right Out: 101.604+/-0.026 χ^2/NDF: 3232766.4/23

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 158.074+/-0.026 χ^2/NDF: 18076947.6/43

All: 147.017+/-0.017 χ^2/NDF: 37336579.9/90

- sign 138.356+/-0.023 χ^2/NDF: 18943257.2/46



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: -0.018+/-0.036 χ^2/NDF: 29.0/23

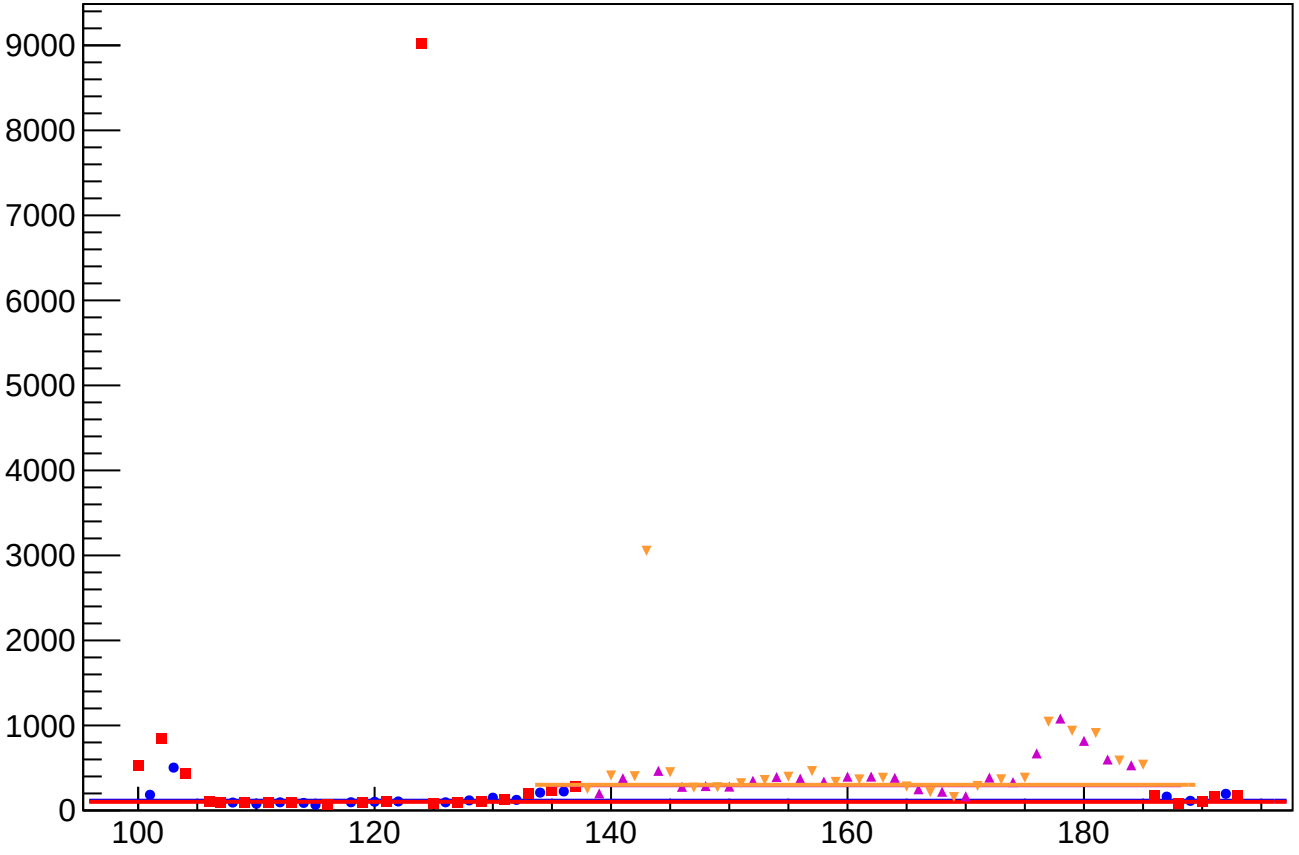
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.056+/-0.037 χ^2/NDF: 43.9/43

All: 0.008+/-0.025 χ^2/NDF: 100.5/90

- sign -0.029+/-0.033 χ^2/NDF: 53.6/46

asym_atl_dd_eigen_dit_vs_eigen_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

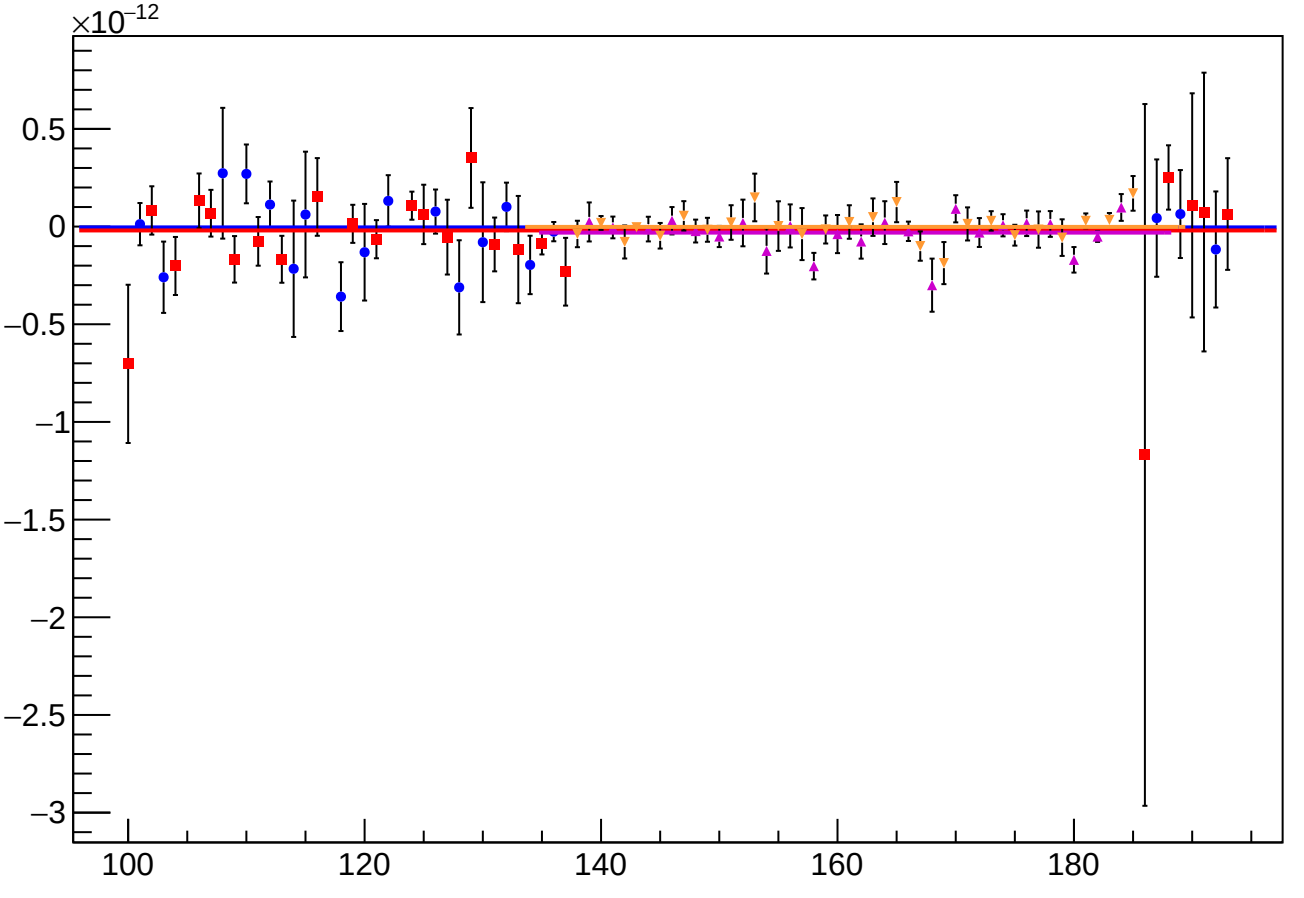
Right Out: 101.604+/-0.026 χ^2/NDF: 3232766.4/23

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 158.074+/-0.026 χ^2/NDF: 18076947.6/43

All: 147.017+/-0.017 χ^2/NDF: 37336579.9/90

- sign 138.356+/-0.023 χ^2/NDF: 18943257.2/46



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: 23.0/23

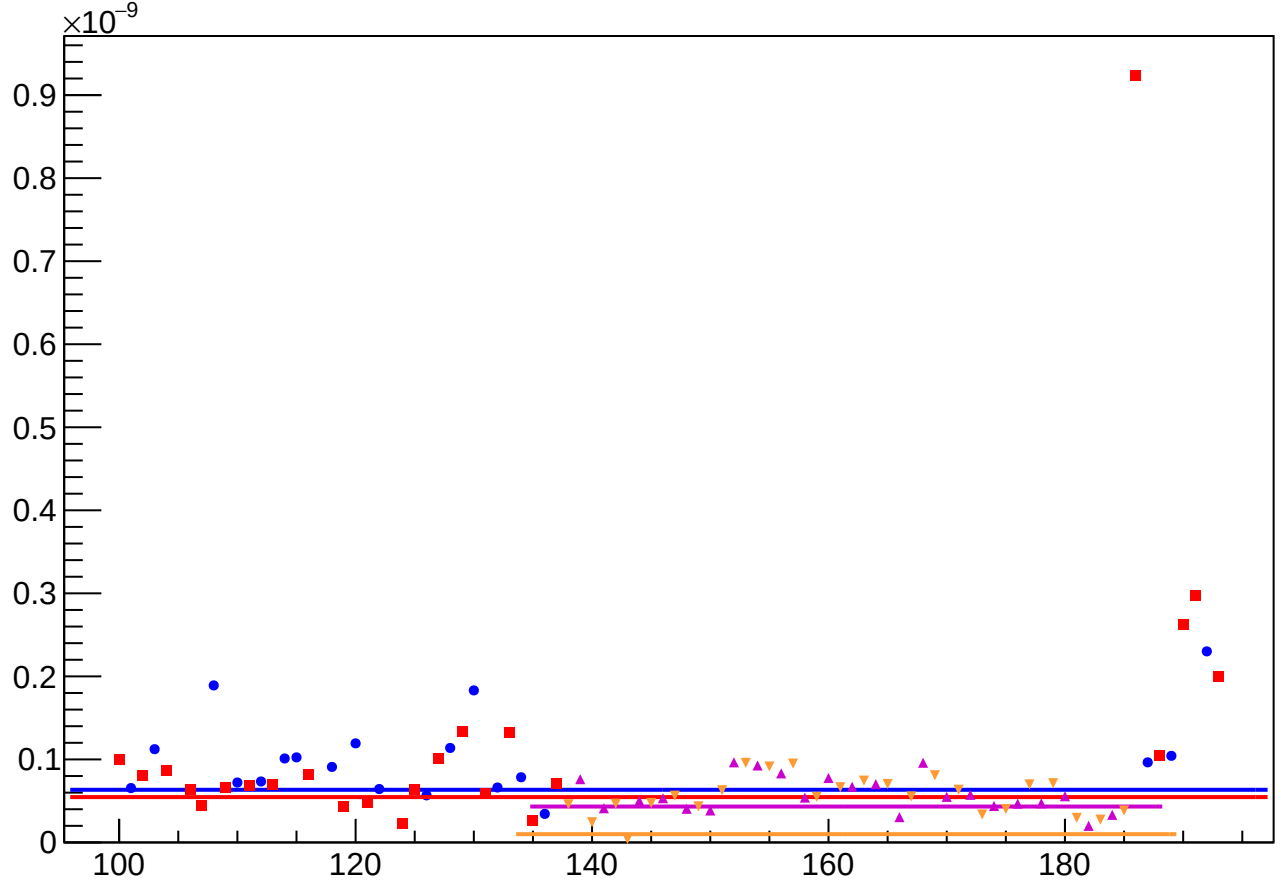
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/43

All: -0.000+/-0.000 χ^2/NDF: 89.4/90

- sign -0.000+/-0.000 χ^2/NDF: 49.5/46

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



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: 3363605.7/23

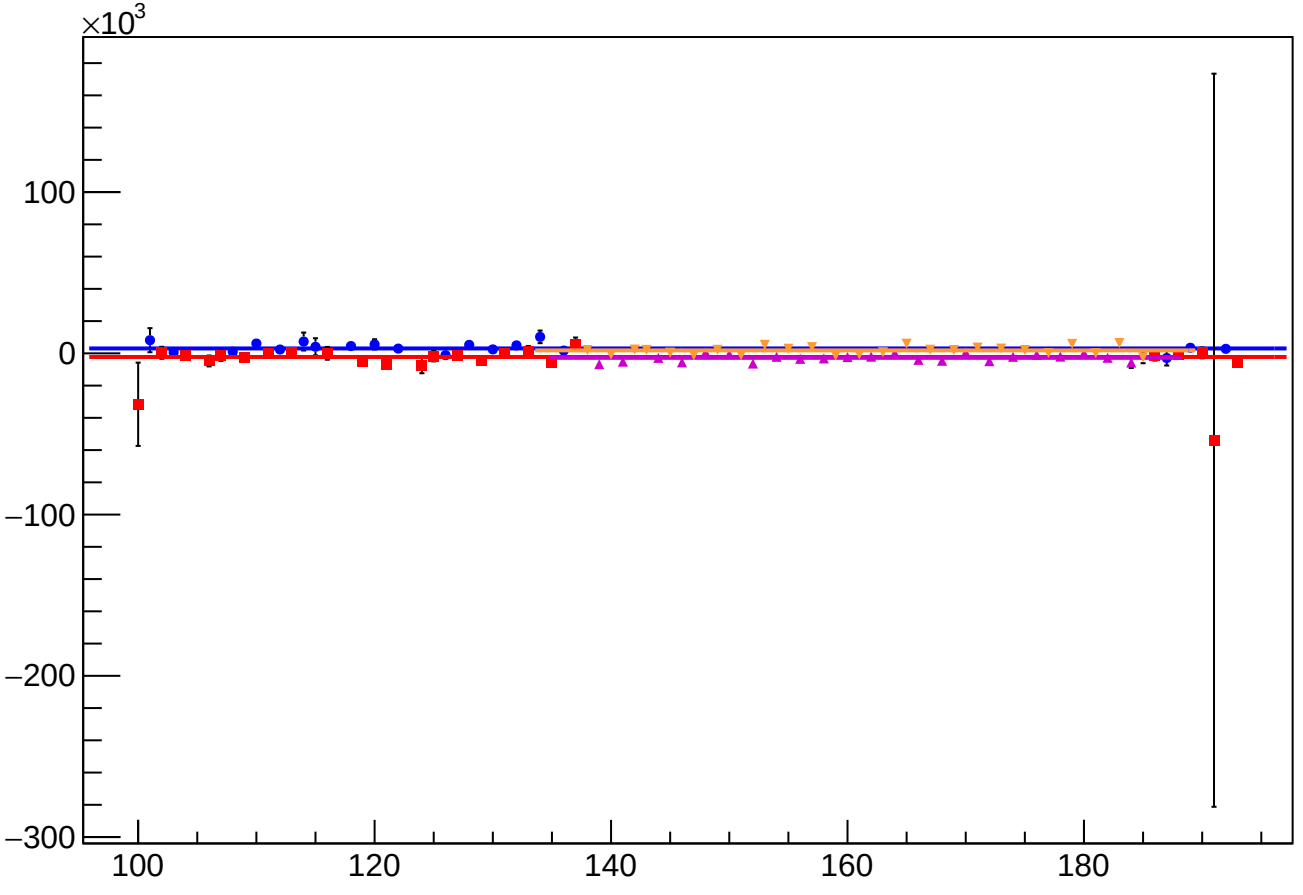
Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 26753229.2/43

All: 0.000+/-0.000 χ^2/NDF: 48375381.5/90

- sign 0.000+/-0.000 χ^2/NDF: 7704320.2/46

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: -2251.495+/-622.182 χ^2/NDF: 20.1/23

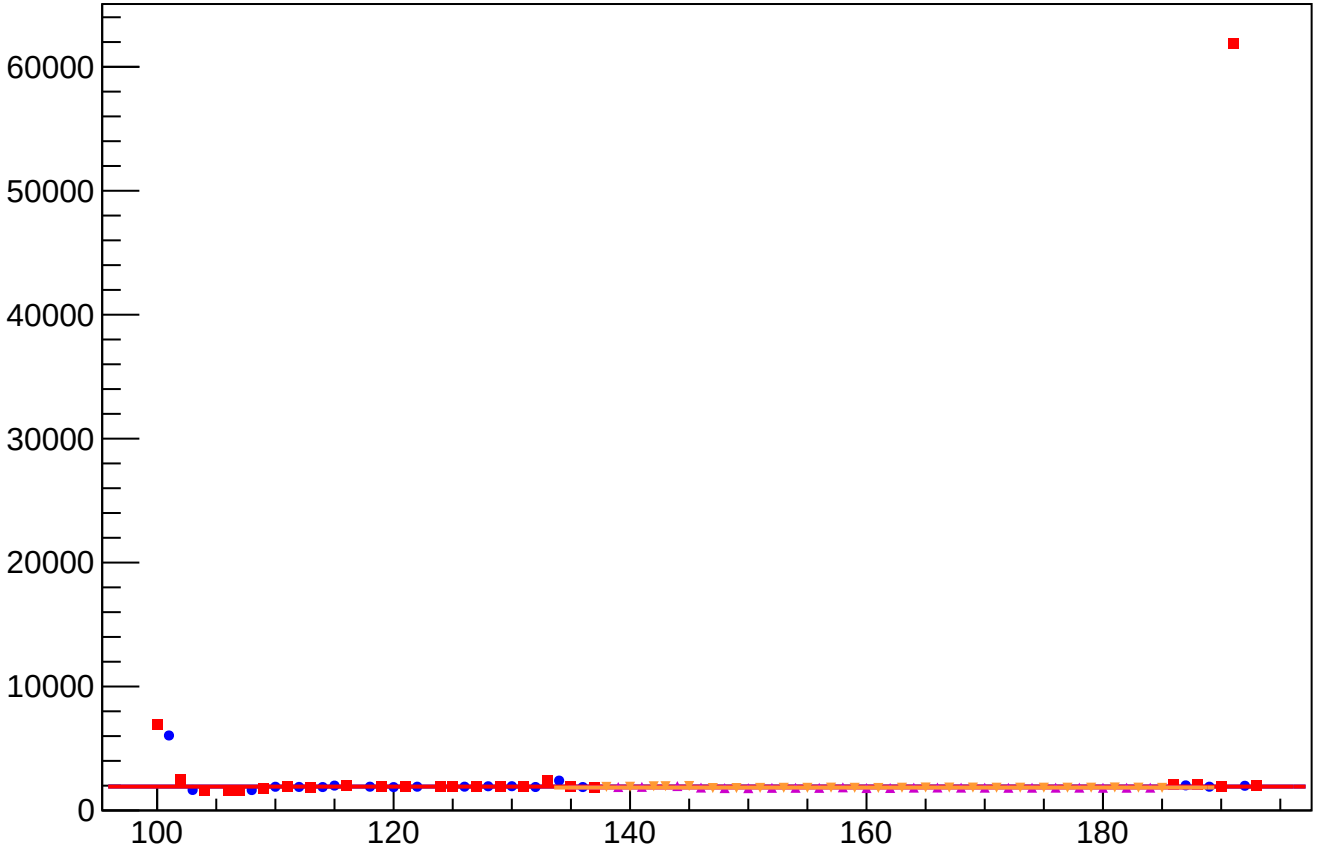
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2195.087+/-354.103 χ^2/NDF: 47.2/43

All: -204.556+/-250.431 χ^2/NDF: 185.1/90

- sign -2605.836+/-354.224 χ^2/NDF: 46.0/46

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: 1924.821+/-0.439 χ^2/NDF: 397184.4/23

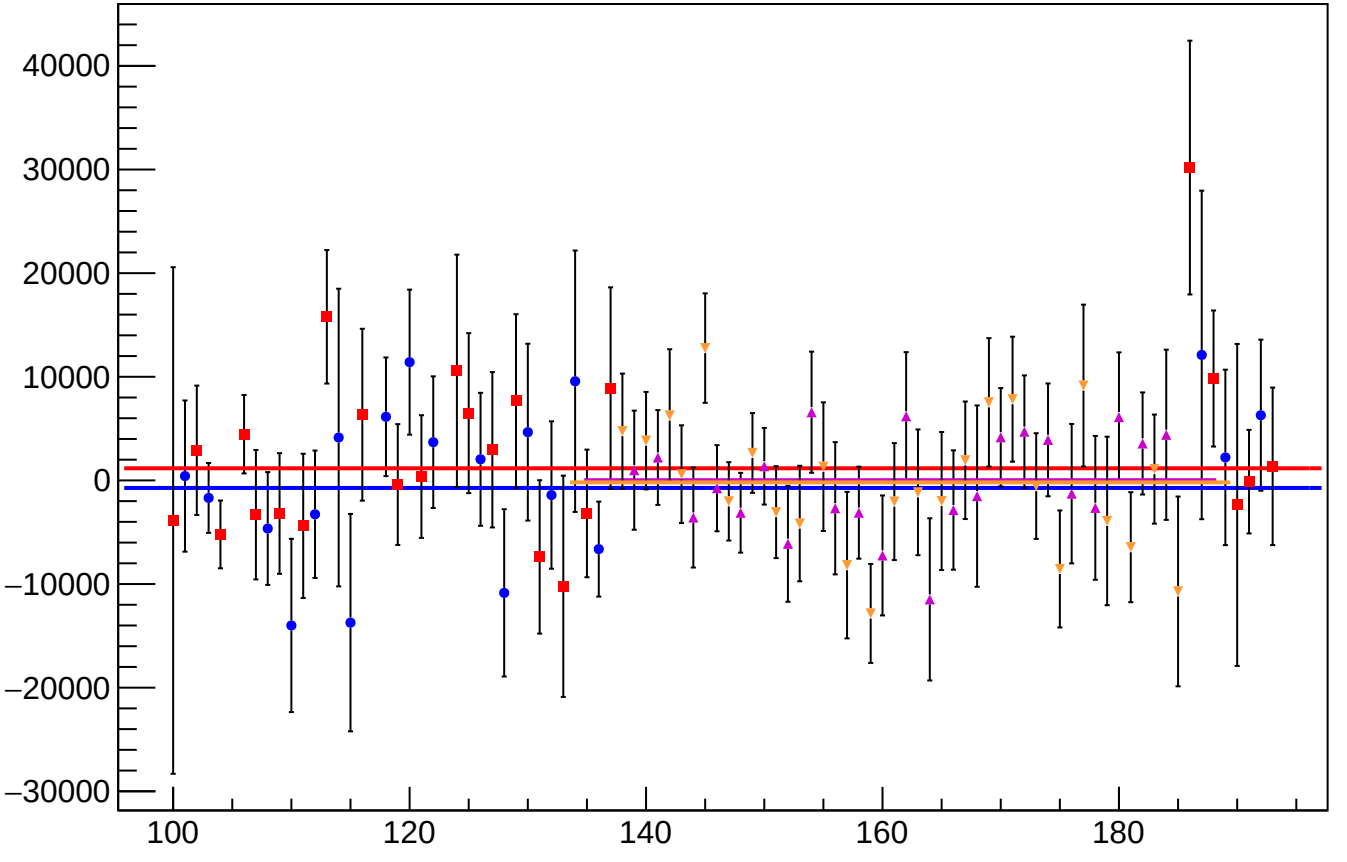
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1871.859+/-0.250 χ^2/NDF: 742623.1/43

All: 1871.432+/-0.177 χ^2/NDF: 1176133.4/90

- sign 1871.006+/-0.250 χ^2/NDF: 433504.5/46

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: 1170.144+/-1318.369 χ^2/NDF: 25.0/23

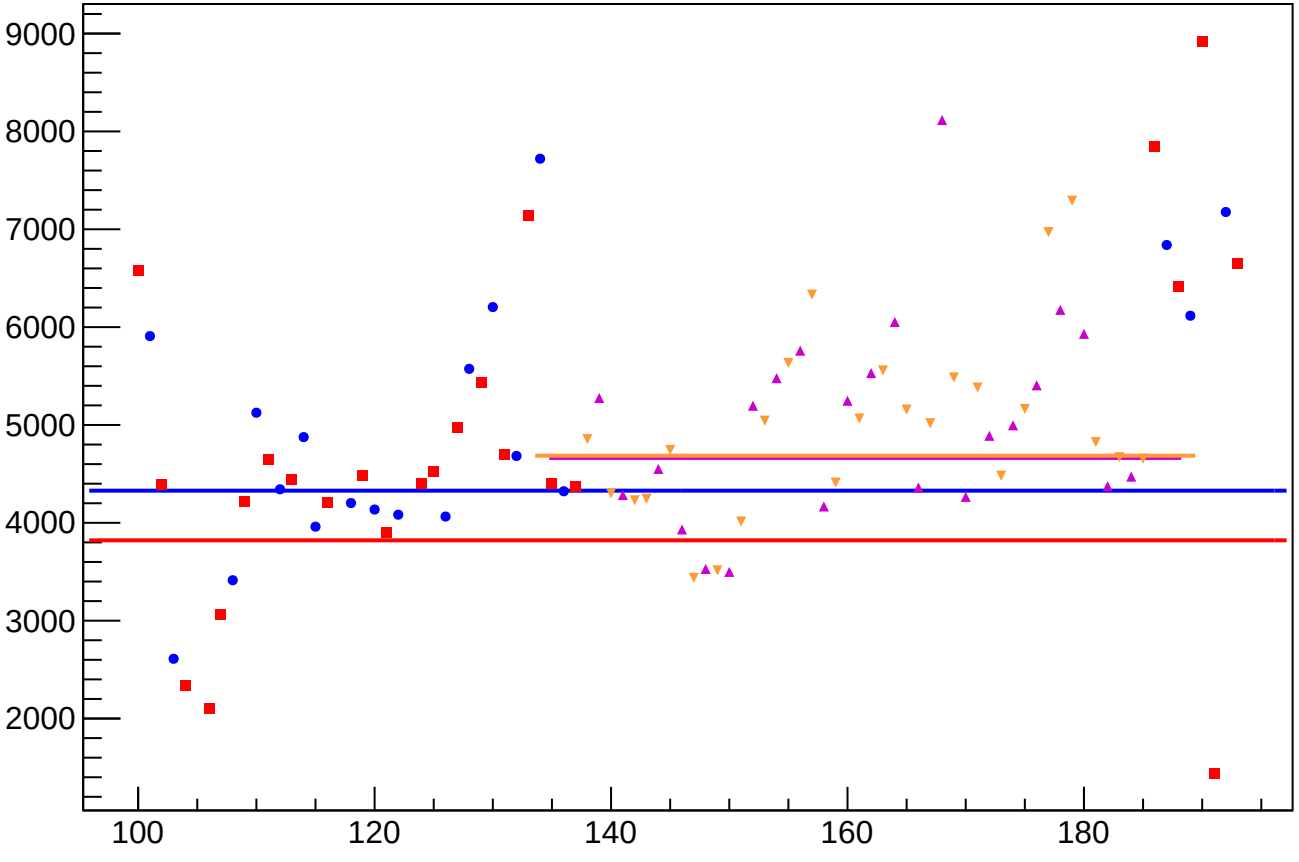
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -372.099+/-884.435 χ^2/NDF: 45.1/43

All: 80.104+/-612.953 χ^2/NDF: 84.7/90

- sign 498.042+/-850.267 χ^2/NDF: 39.1/46

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

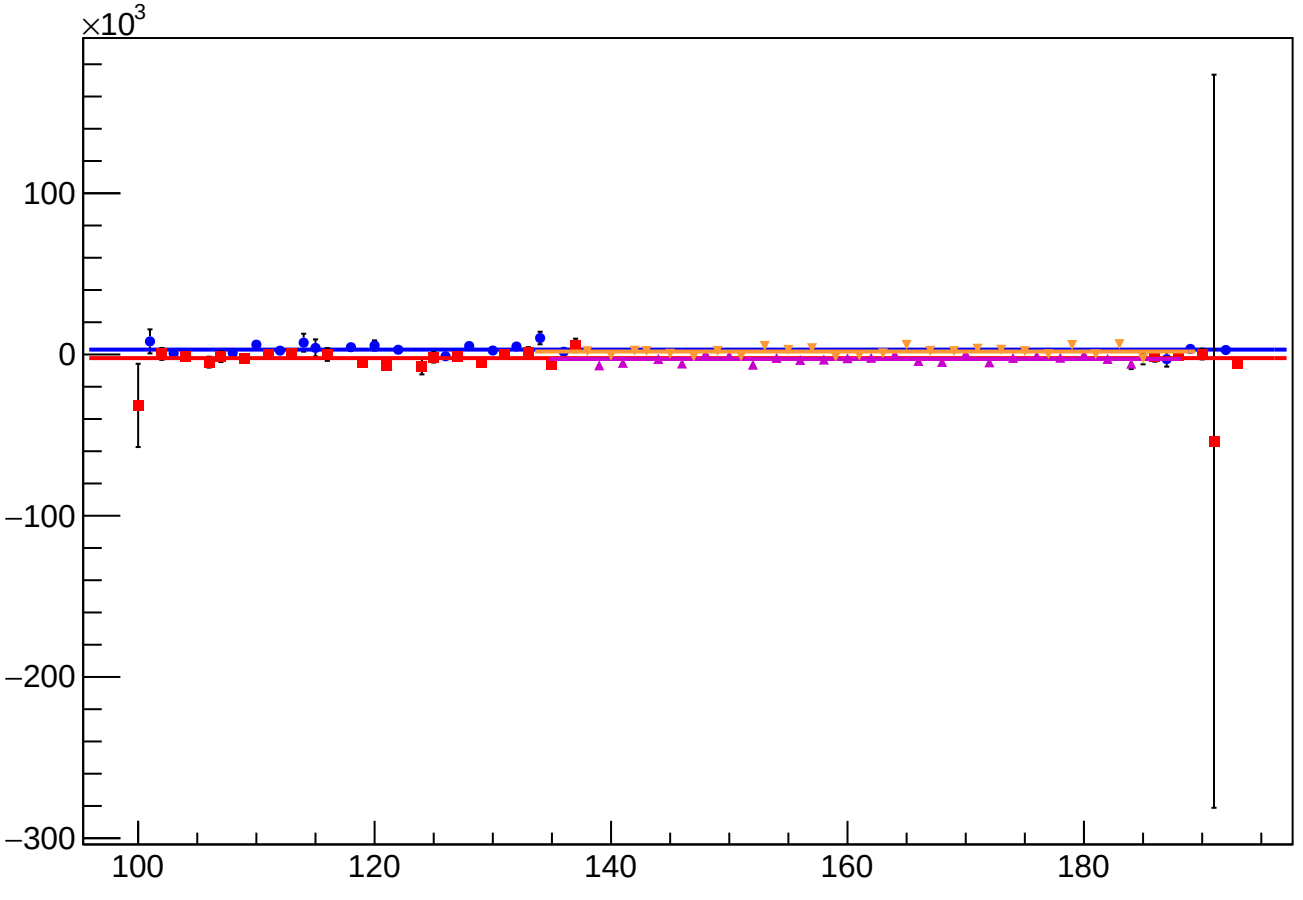
Right Out: 3820.937+/-0.932 χ^2/NDF: 2848244.5/23

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4564.759+/-0.625 χ^2/NDF: 2698606.7/43

All: 4433.873+/-0.433 χ^2/NDF: 7394710.0/90

- sign 4312.905+/-0.601 χ^2/NDF: 4611820.0/46



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: -2252.354+/-622.185 χ^2/NDF: 20.1/23

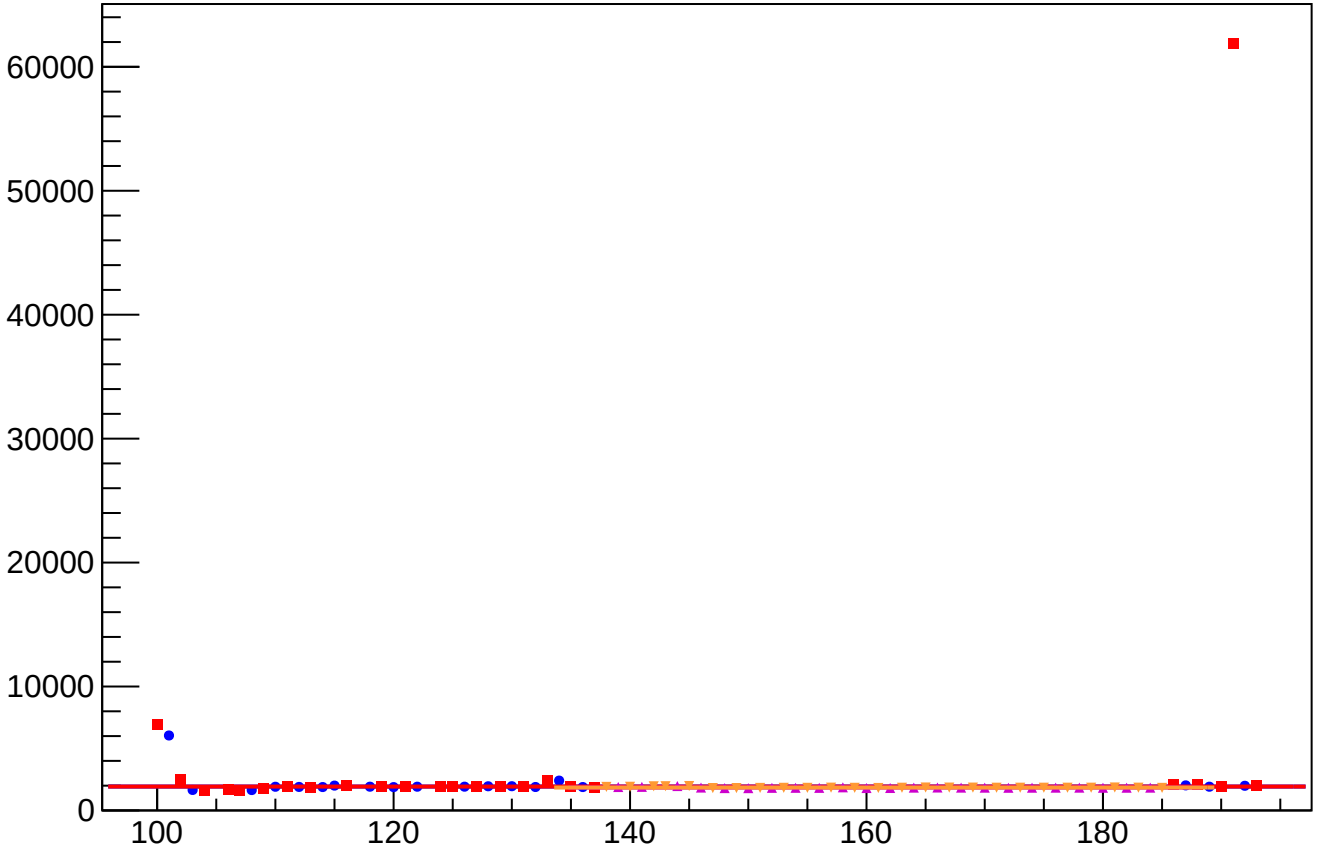
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2194.845+/-354.103 χ^2/NDF: 47.2/43

All: -204.806+/-250.431 χ^2/NDF: 185.1/90

- sign -2606.099+/-354.224 χ^2/NDF: 46.0/46

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: 1927.975+/-0.439 χ^2/NDF: 389627.4/23

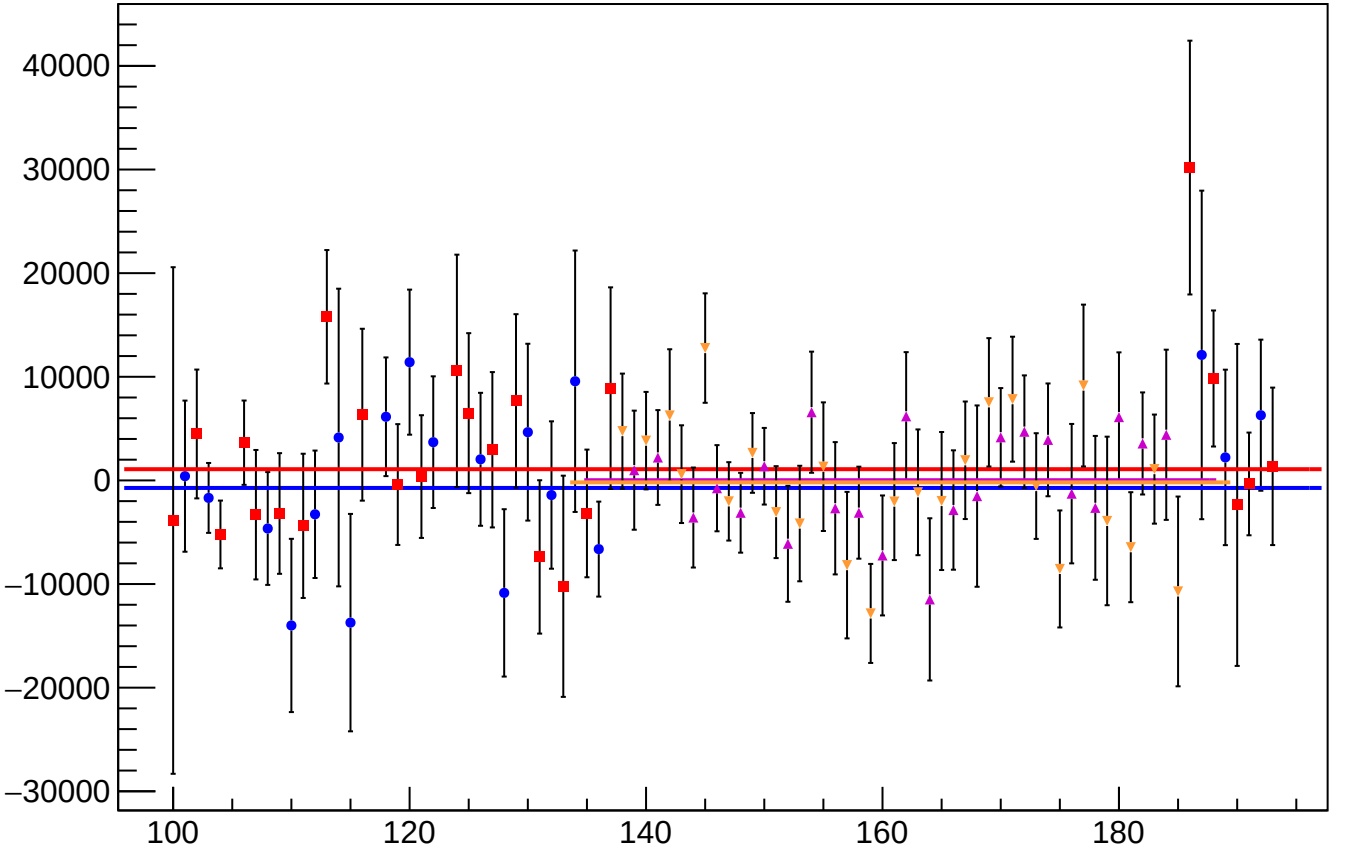
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1871.859+/-0.250 χ^2/NDF: 742622.4/43

All: 1871.919+/-0.177 χ^2/NDF: 1170320.7/90

- sign 1871.980+/-0.250 χ^2/NDF: 427698.2/46

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: 1082.518+/-1328.414 χ^2/NDF: 24.8/23

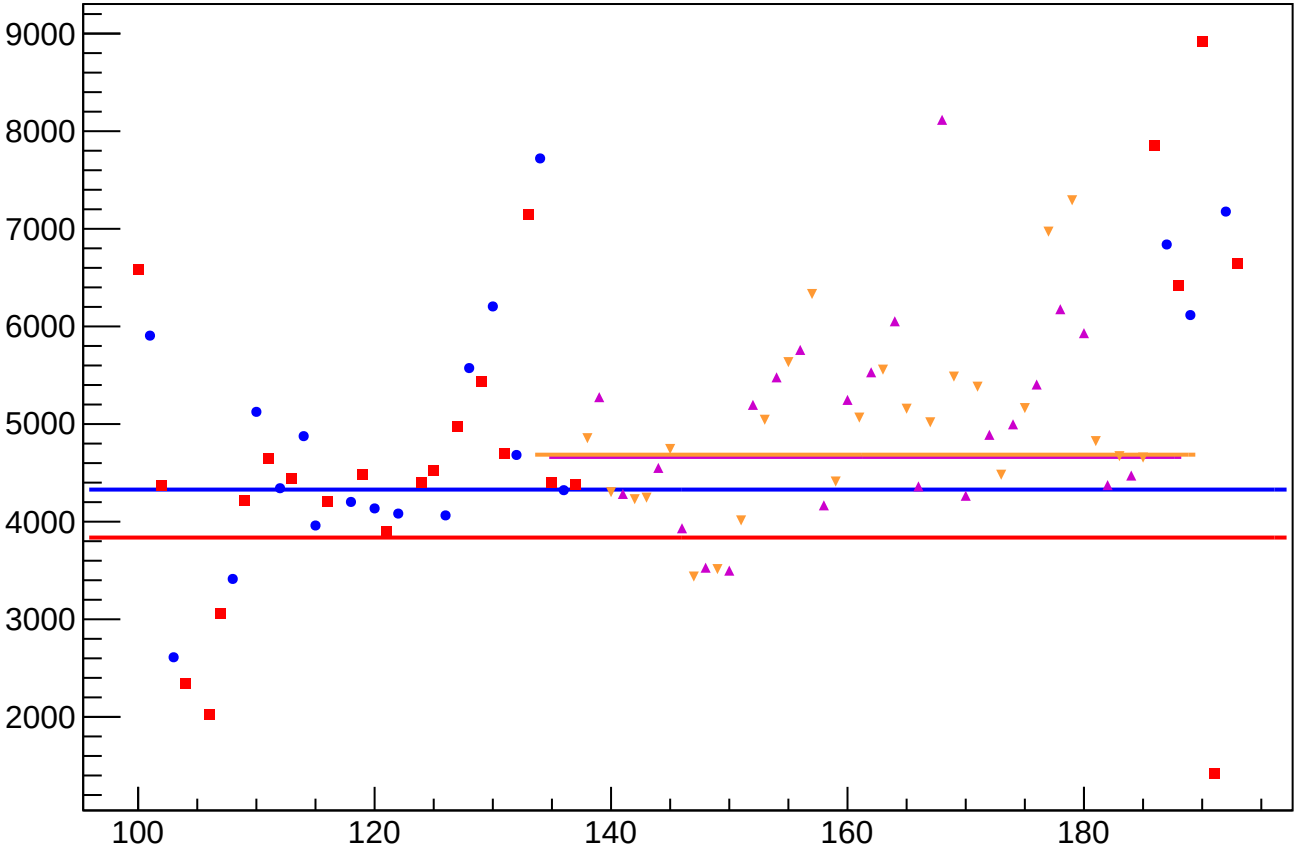
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -372.229+/-884.435 χ^2/NDF: 45.1/43

All: 57.775+/-613.954 χ^2/NDF: 84.5/90

- sign 457.702+/-852.944 χ^2/NDF: 38.9/46

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: 3837.325+/-0.939 χ^2/NDF: 2835775.1/23

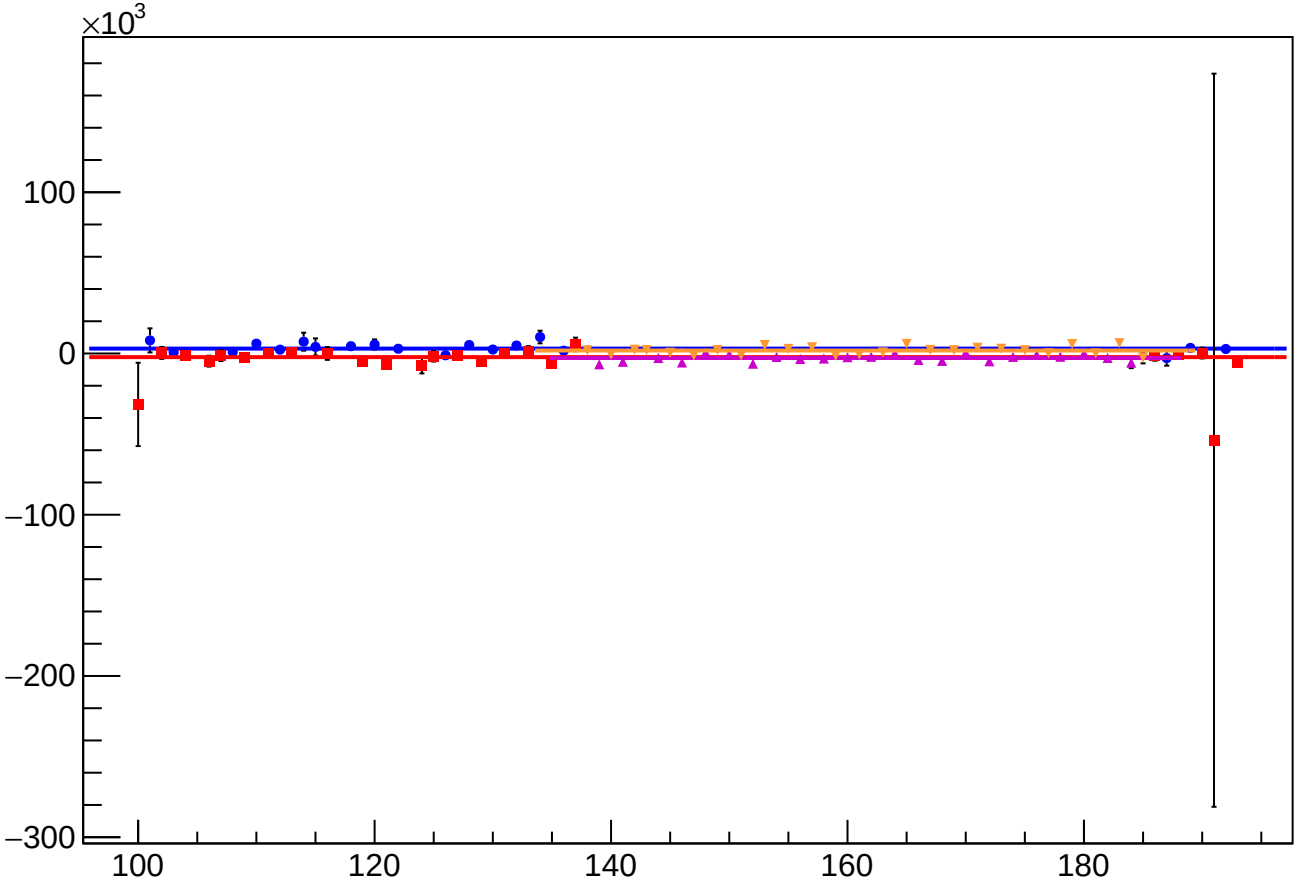
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4564.784+/-0.625 χ^2/NDF: 2698062.9/43

All: 4439.388+/-0.434 χ^2/NDF: 7352572.2/90

- sign 4322.764+/-0.603 χ^2/NDF: 4576914.8/46

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: -2252.354+/-622.185 χ^2/NDF: 20.1/23

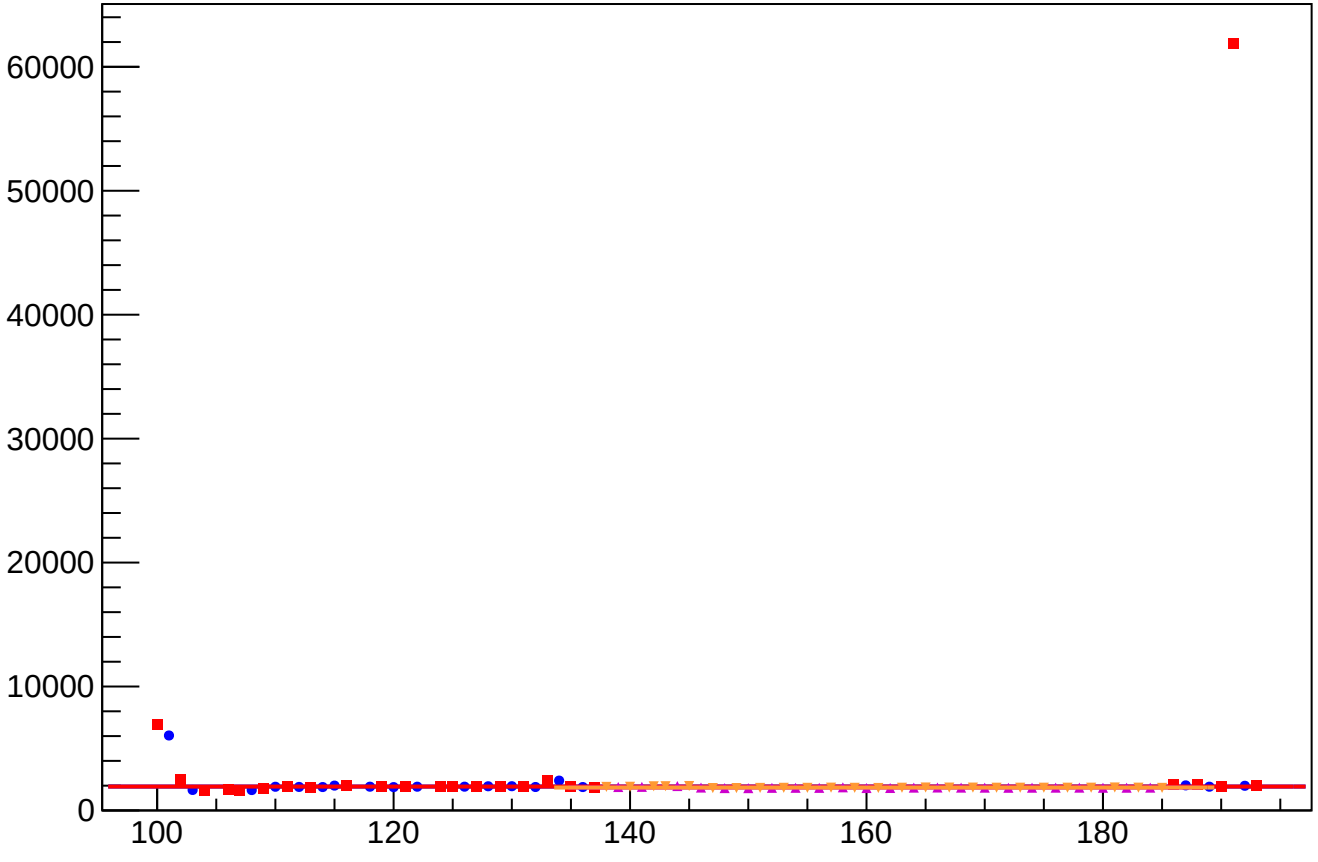
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2194.845+/-354.103 χ^2/NDF: 47.2/43

All: -204.806+/-250.431 χ^2/NDF: 185.1/90

- sign -2606.099+/-354.224 χ^2/NDF: 46.0/46

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

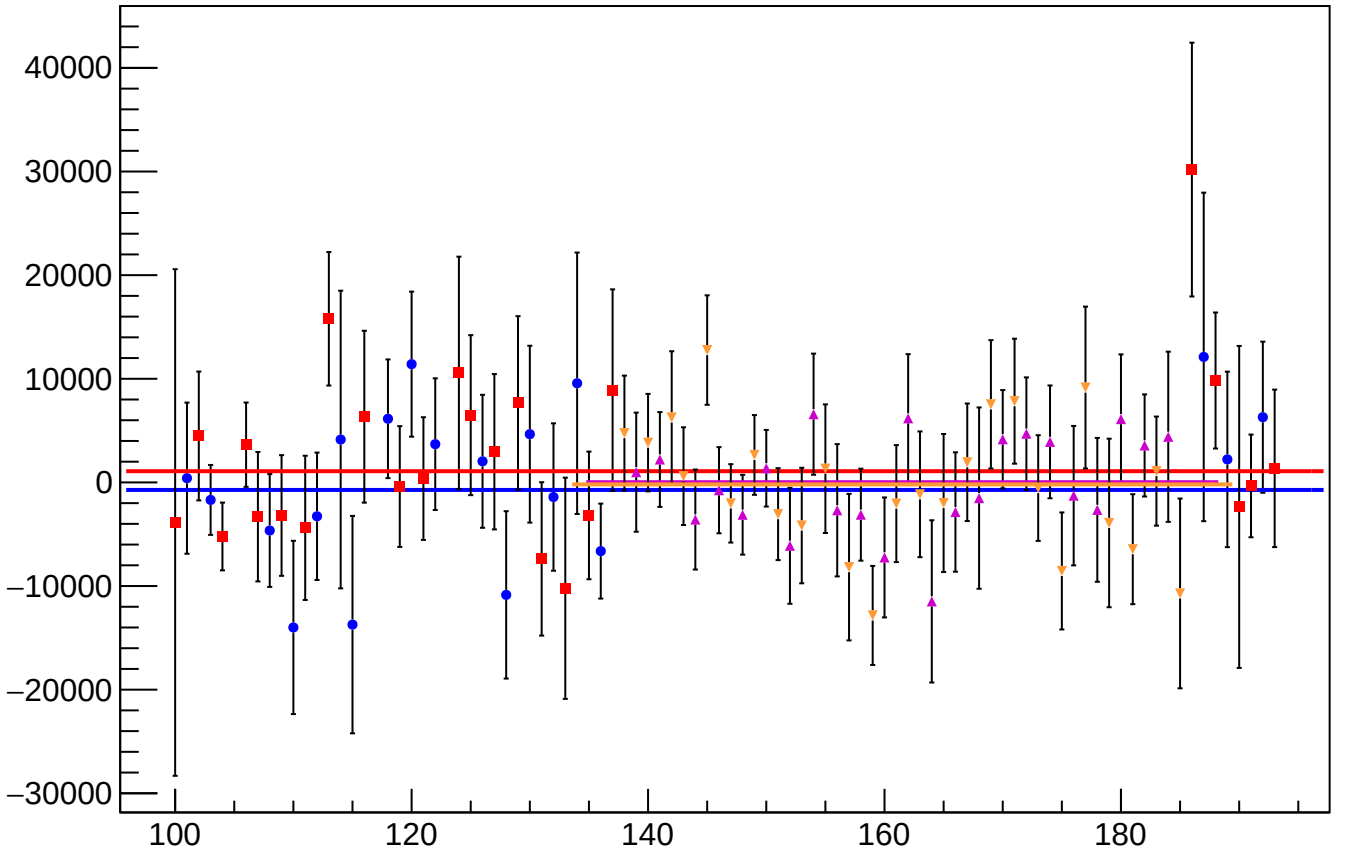
Right Out: 1927.975+/-0.439 χ^2/NDF: 389627.4/23

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1871.859+/-0.250 χ^2/NDF: 742622.4/43

All: 1871.919+/-0.177 χ^2/NDF: 1170320.7/90

- sign 1871.980+/-0.250 χ^2/NDF: 427698.2/46



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: 1082.518+/-1328.414 χ^2/NDF: 24.8/23

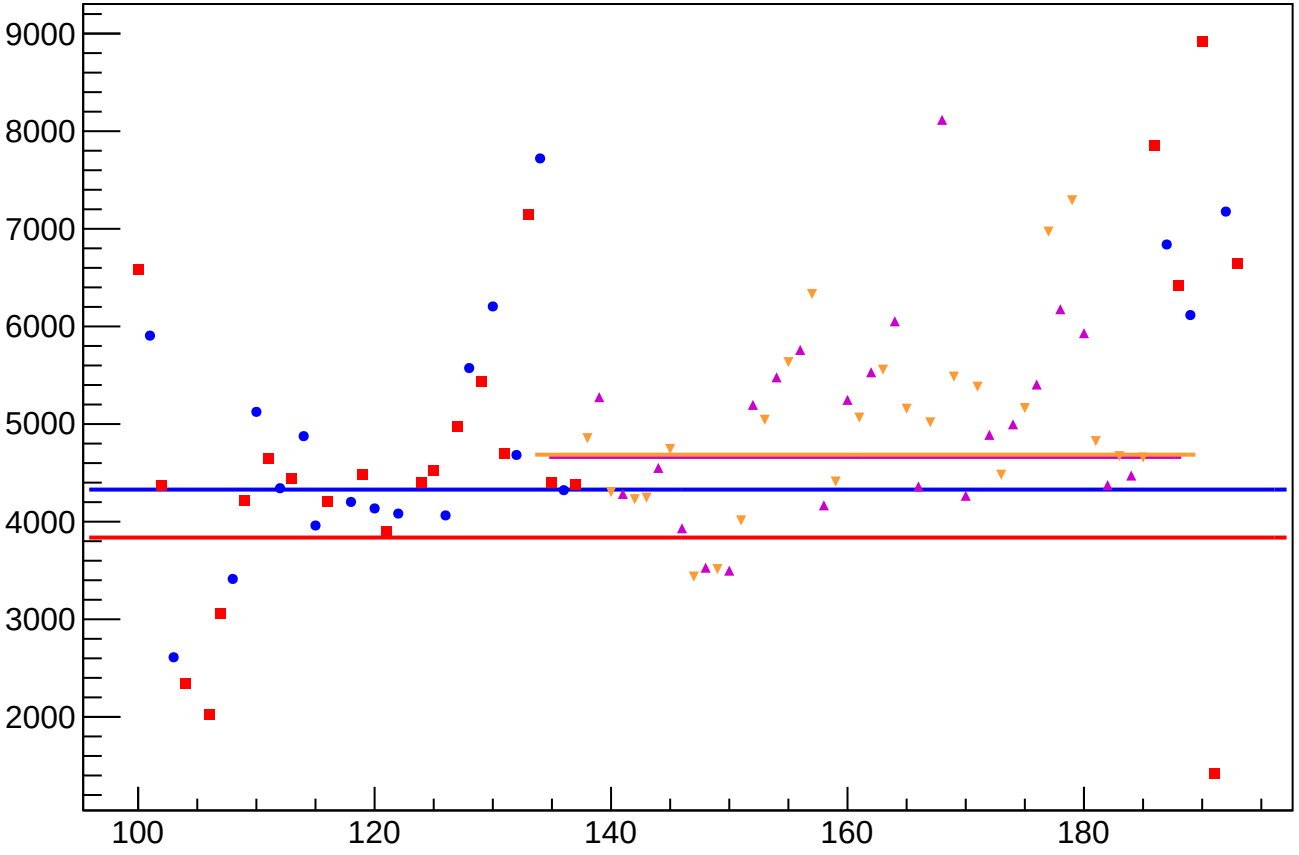
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -372.229+/-884.435 χ^2/NDF: 45.1/43

All: 57.775+/-613.954 χ^2/NDF: 84.5/90

- sign 457.702+/-852.944 χ^2/NDF: 38.9/46

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

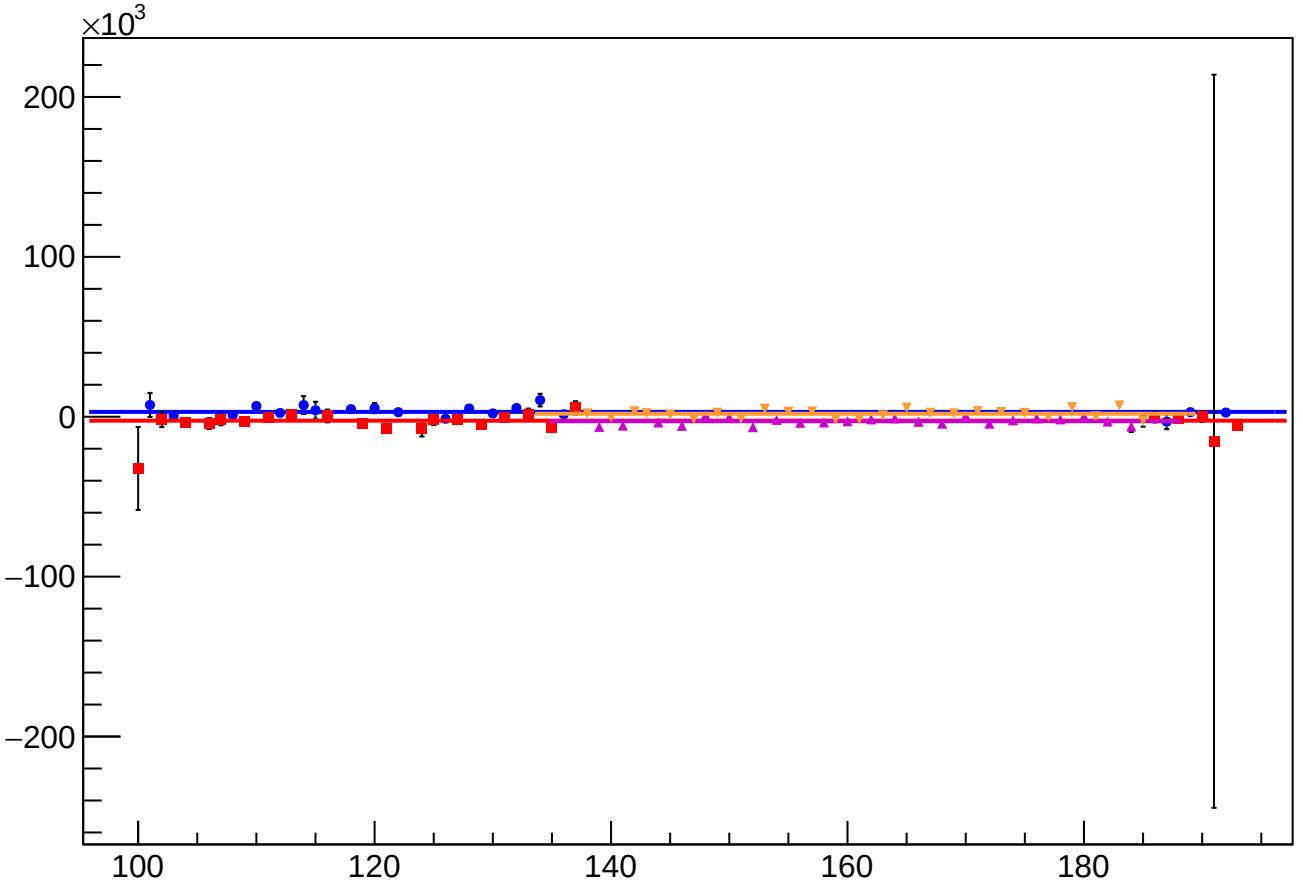
Right Out: 3837.325+/-0.939 χ^2/NDF: 2835775.1/23

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

\+ sign 4564.784+/-0.625 χ^2/NDF: 2698062.9/43

All: 4439.388+/-0.434 χ^2/NDF: 7352572.2/90

\- sign 4322.764+/-0.603 χ^2/NDF: 4576914.8/46



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: -2455.897+/-639.123 χ^2/NDF: 20.2/23

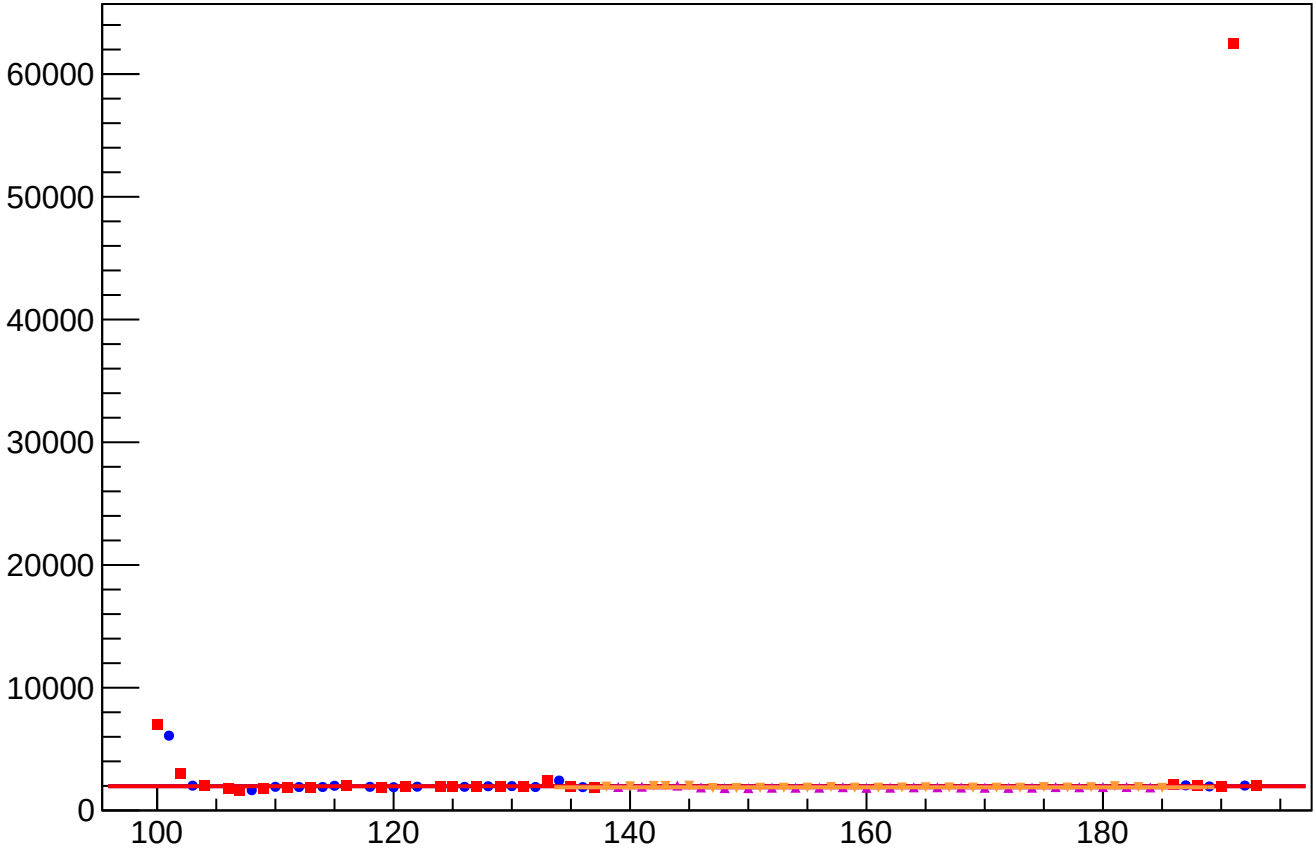
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2213.905+/-362.069 χ^2/NDF: 49.0/43

All: -237.852+/-255.993 χ^2/NDF: 186.6/90

- sign -2688.551+/-361.990 χ^2/NDF: 45.9/46

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: 1974.168+/-0.452 χ^2/NDF: 412507.2/23

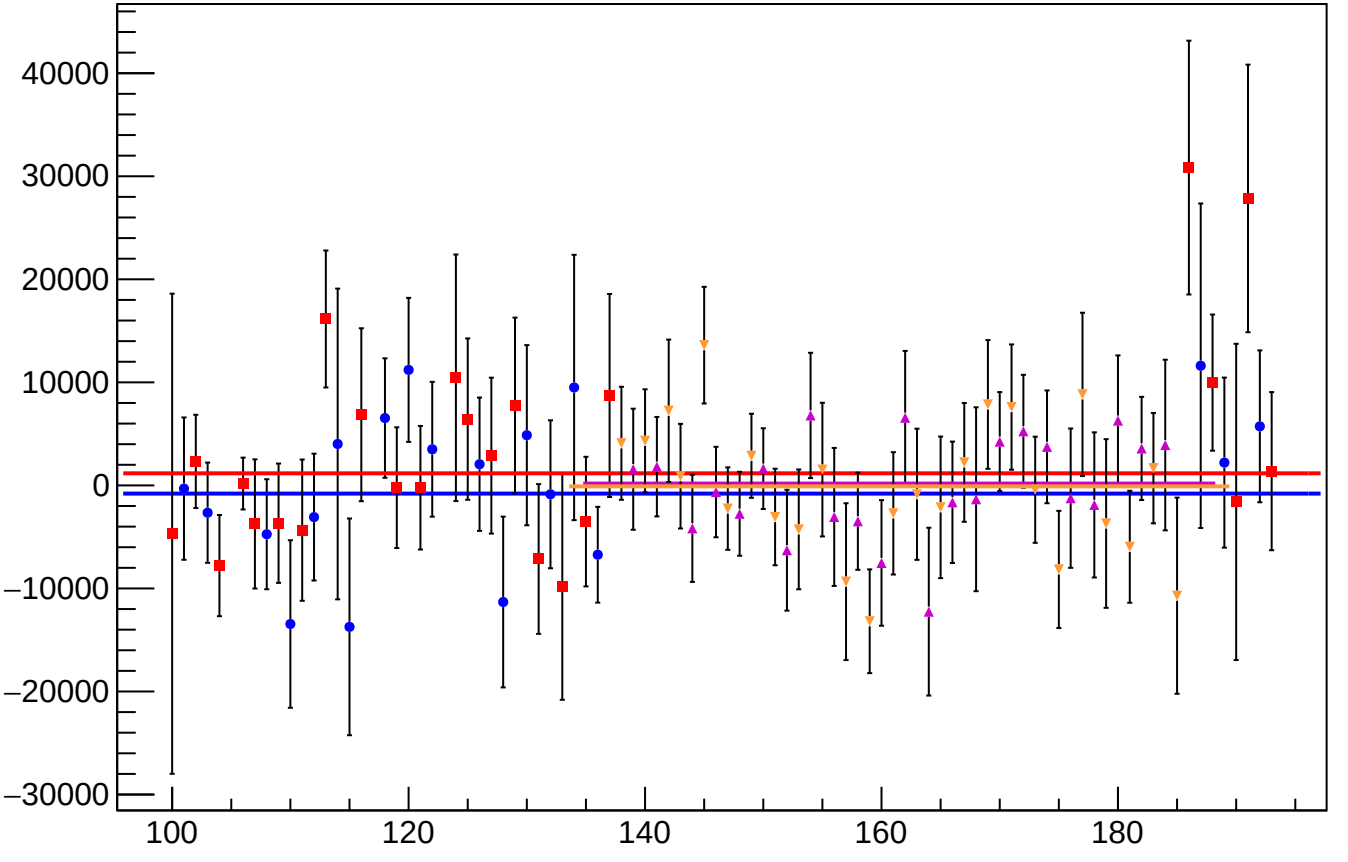
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1914.051+/-0.256 χ^2/NDF: 725243.1/43

All: 1912.338+/-0.181 χ^2/NDF: 1186034.1/90

- sign 1910.626+/-0.256 χ^2/NDF: 460701.5/46

asym_atr_avg_dit_correction_mean vs Slug



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: 1173.007+/-1297.016 χ^2/NDF: 28.2/23

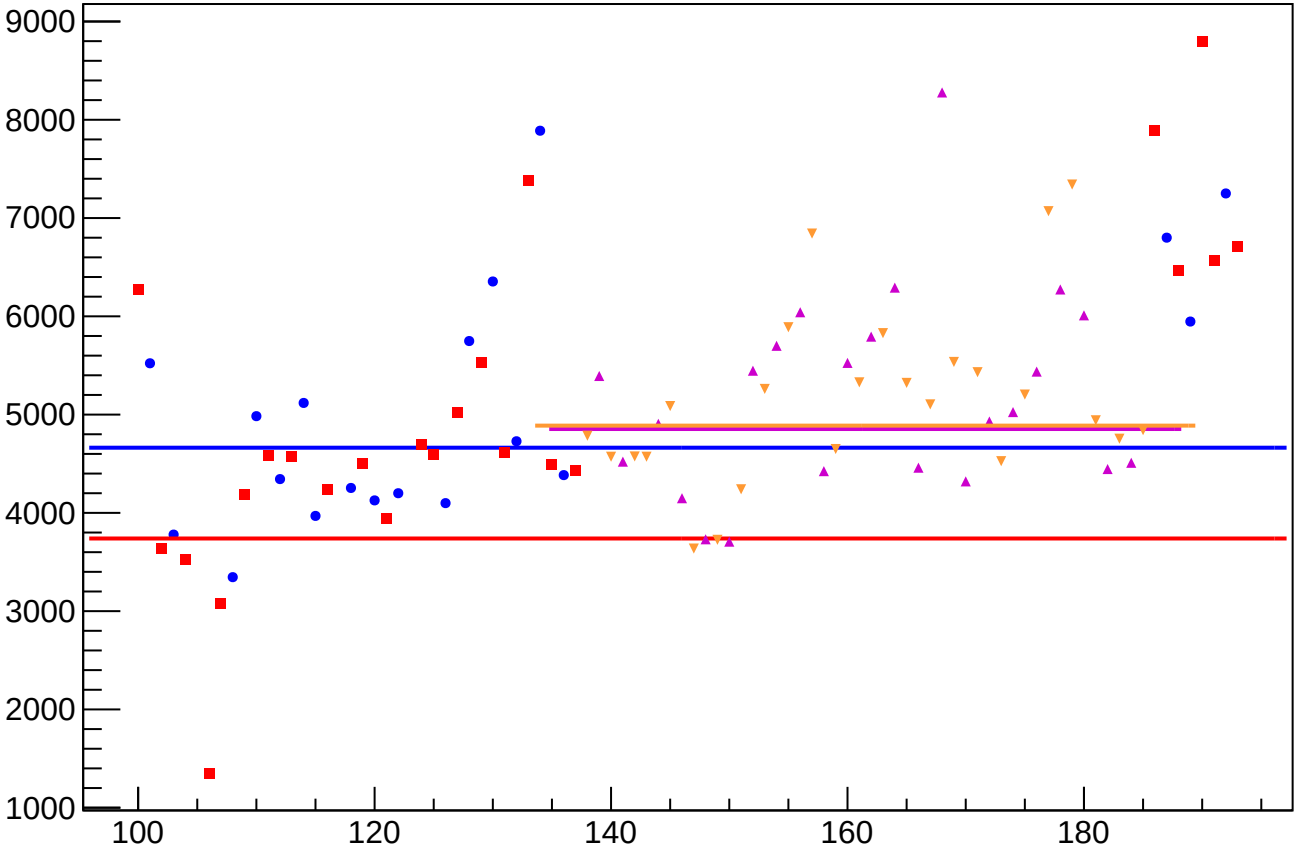
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -325.463+/-926.105 χ^2/NDF: 44.1/43

All: 179.521+/-631.367 χ^2/NDF: 86.8/90

- sign 618.037+/-863.006 χ^2/NDF: 42.1/46

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: 3739.274+/-0.917 χ^2/NDF: 3625133.6/23

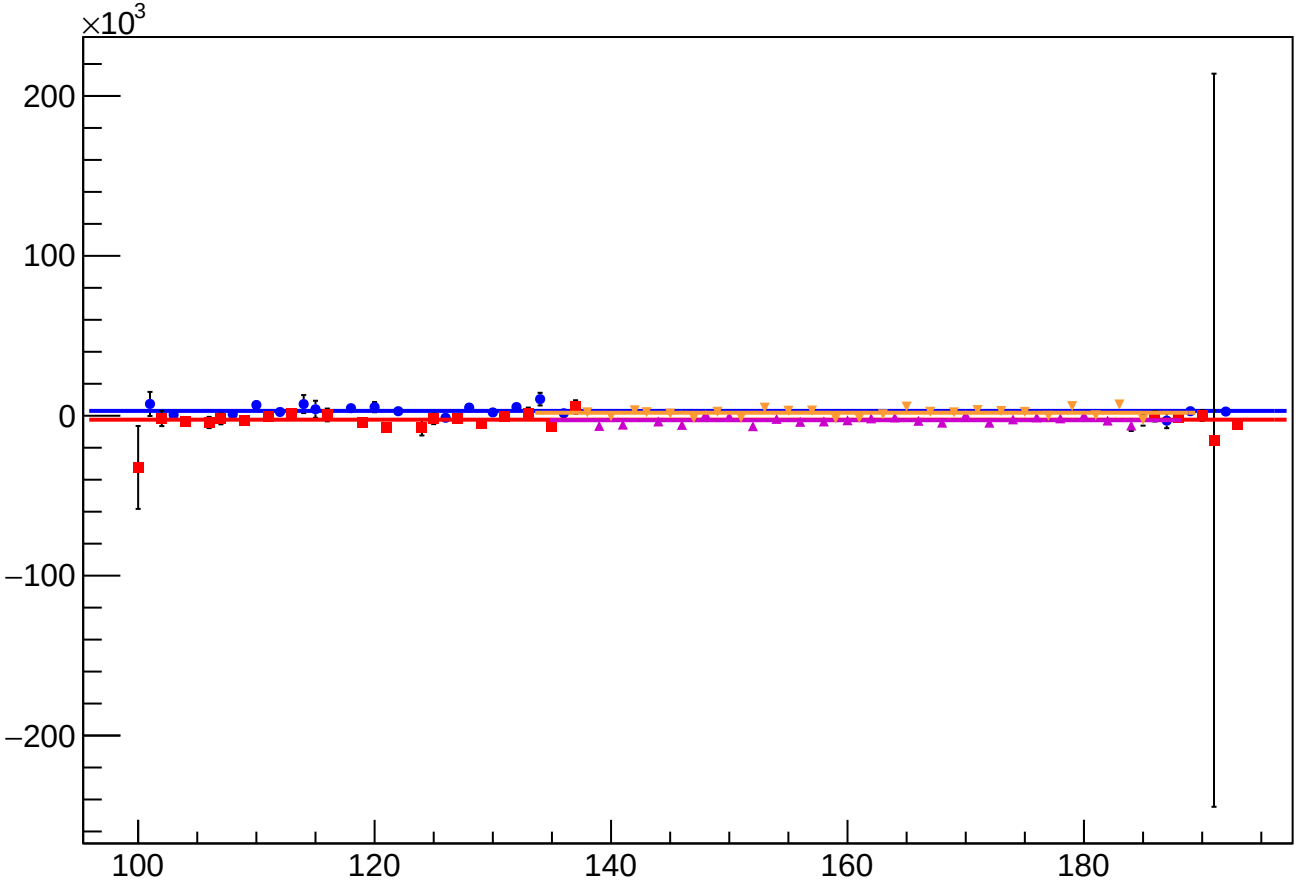
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4813.219+/-0.655 χ^2/NDF: 1947914.8/43

All: 4570.711+/-0.446 χ^2/NDF: 7830241.3/90

- sign 4360.124+/-0.610 χ^2/NDF: 5626100.6/46

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: -2455.901+/-639.123 χ^2/NDF: 20.2/23

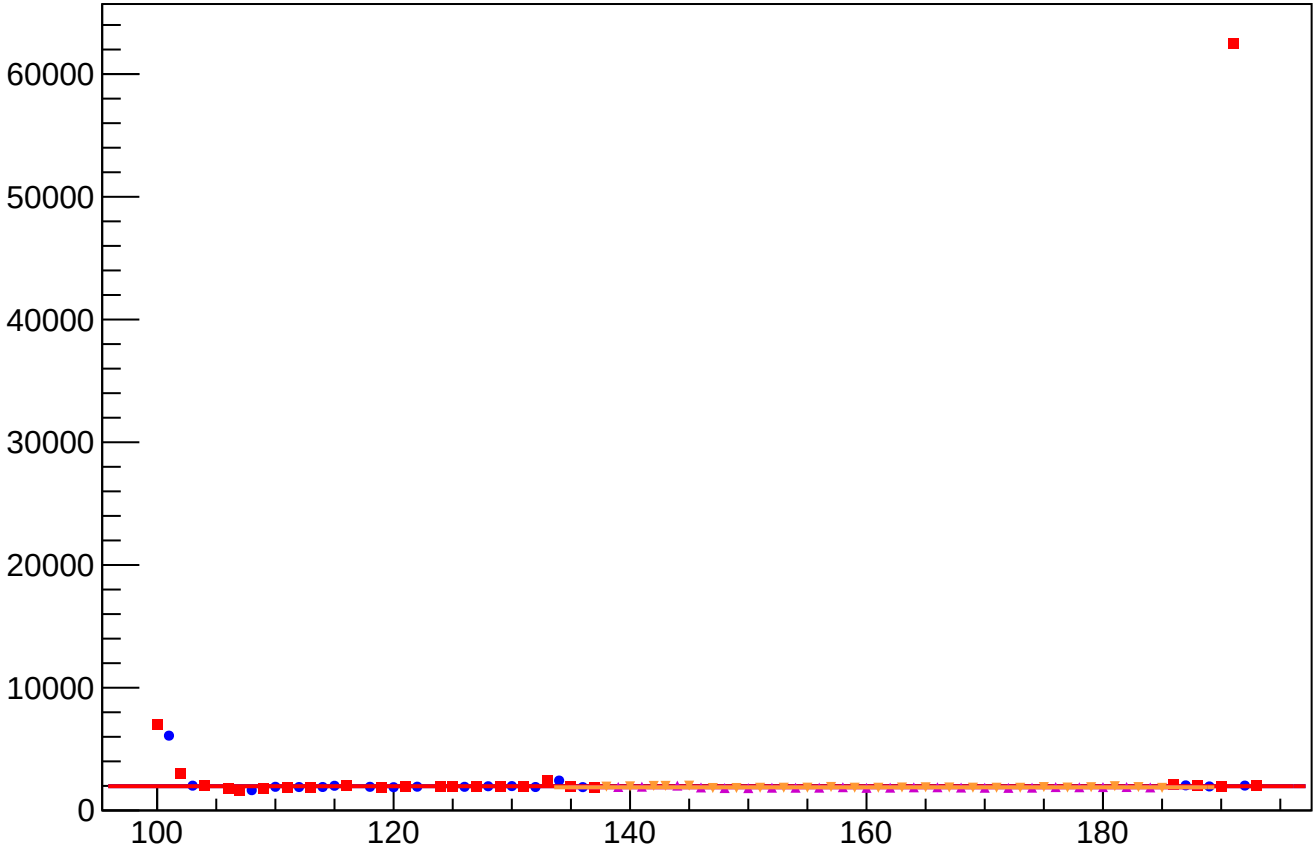
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2213.903+/-362.069 χ^2/NDF: 49.0/43

All: -237.853+/-255.994 χ^2/NDF: 186.6/90

- sign -2688.552+/-361.990 χ^2/NDF: 45.9/46

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

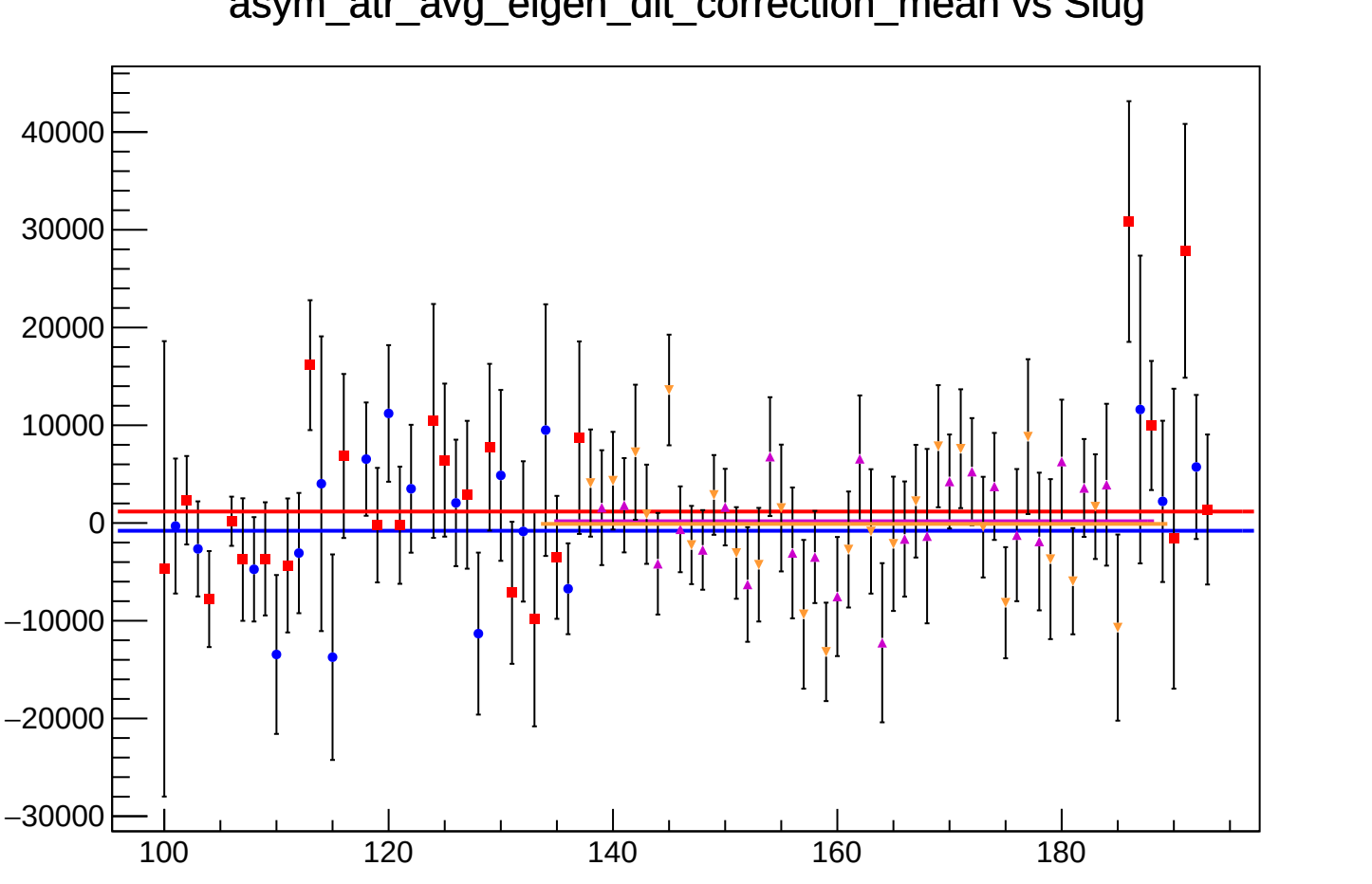
Right Out: 1974.167+/-0.452 χ^2/NDF: 412506.7/23

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1914.051+/-0.256 χ^2/NDF: 725242.5/43

All: 1912.338+/-0.181 χ^2/NDF: 1186032.4/90

- sign 1910.626+/-0.256 χ^2/NDF: 460700.4/46



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: 1173.003+/-1297.013 χ^2/NDF: 28.2/23

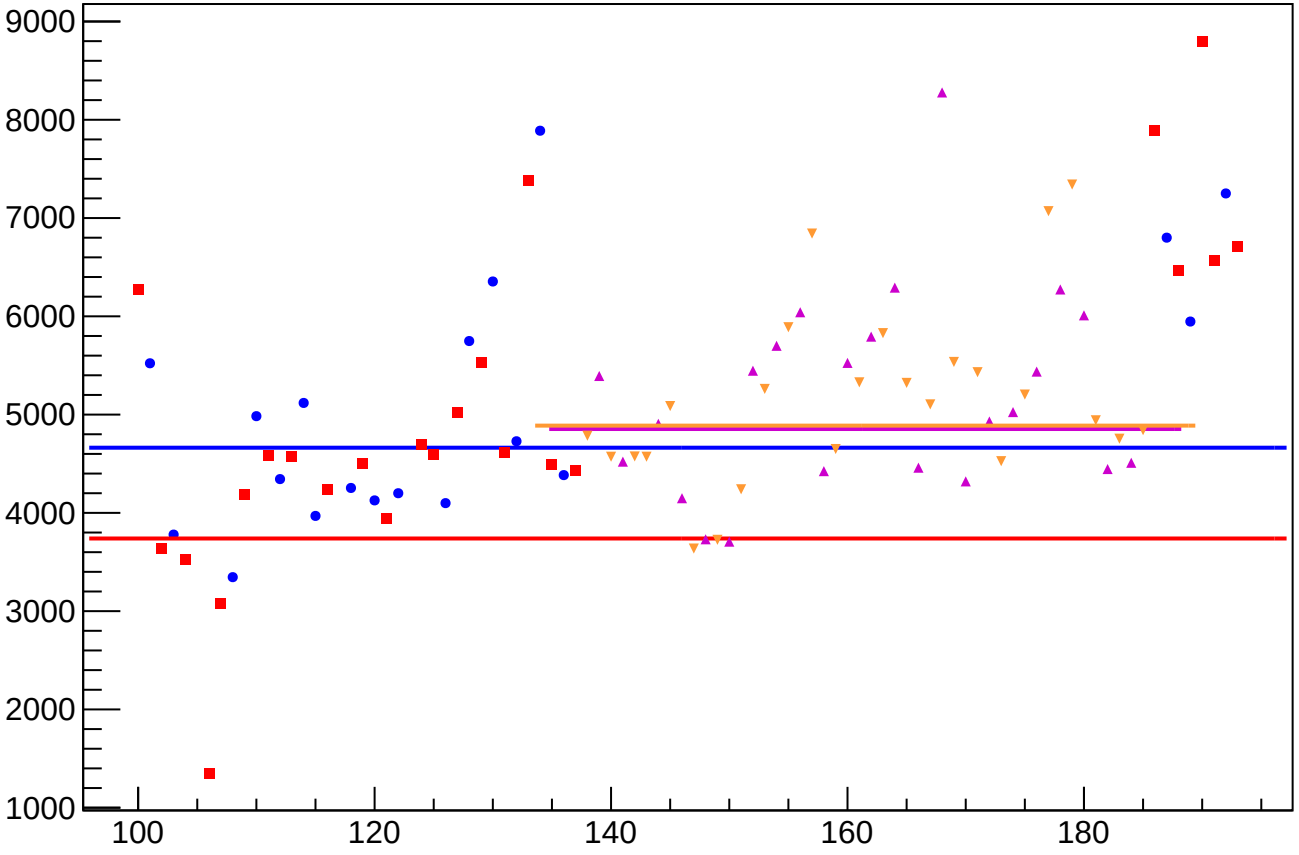
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -325.461+/-926.106 χ^2/NDF: 44.1/43

All: 179.523+/-631.367 χ^2/NDF: 86.8/90

- sign 618.038+/-863.006 χ^2/NDF: 42.1/46

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: 3739.265+/-0.917 χ^2/NDF: 3625144.2/23

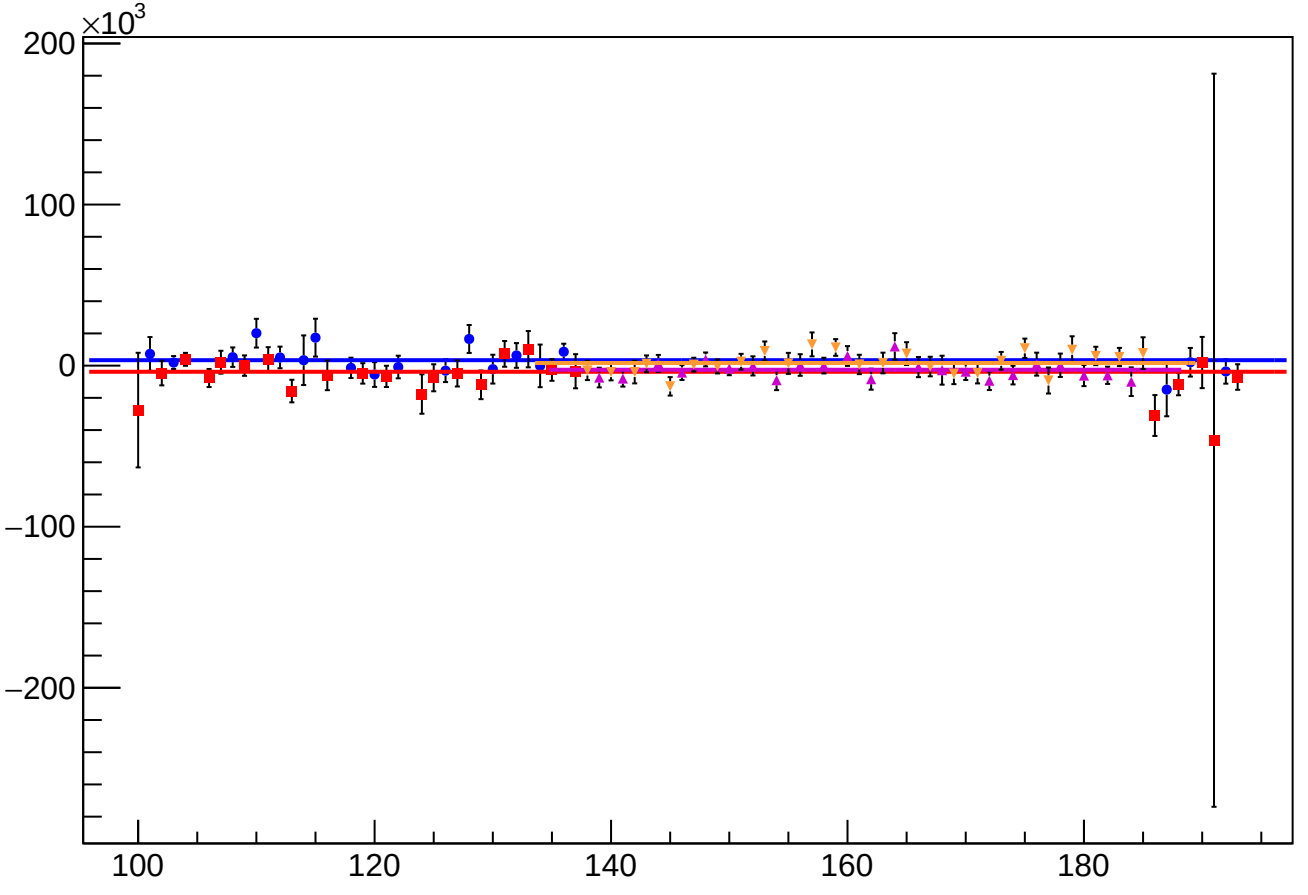
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4813.221+/-0.655 χ^2/NDF: 1947920.6/43

All: 4570.712+/-0.446 χ^2/NDF: 7830289.0/90

- sign 4360.123+/-0.610 χ^2/NDF: 5626137.9/46

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: -3807.130+/-1571.666 χ^2/NDF: 22.0/23

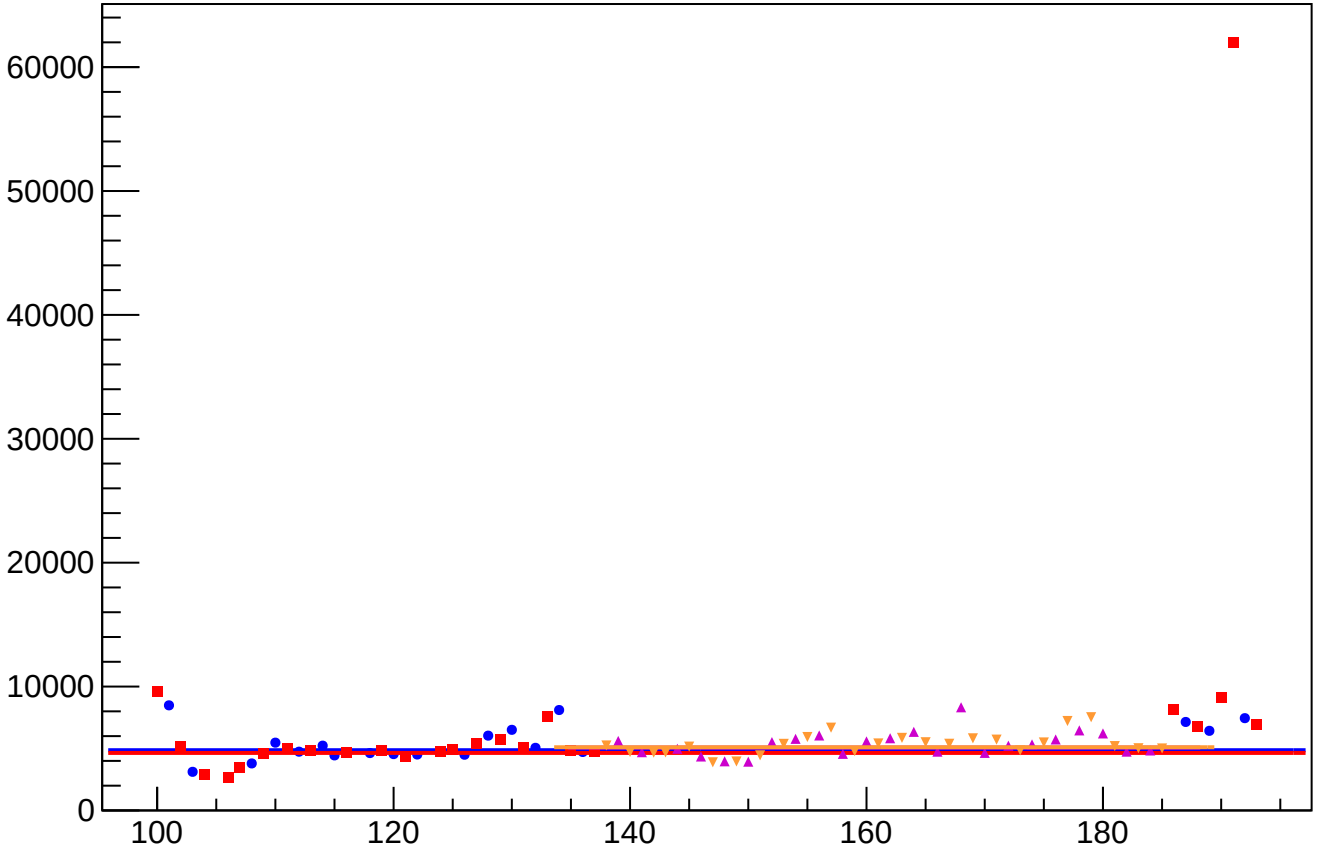
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2218.824+/-967.412 χ^2/NDF: 41.2/43

All: -433.534+/-679.995 χ^2/NDF: 94.4/90

- sign -3023.705+/-956.004 χ^2/NDF: 38.3/46

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: 4644.609+/-1.103 χ^2/NDF: 1792339.0/23

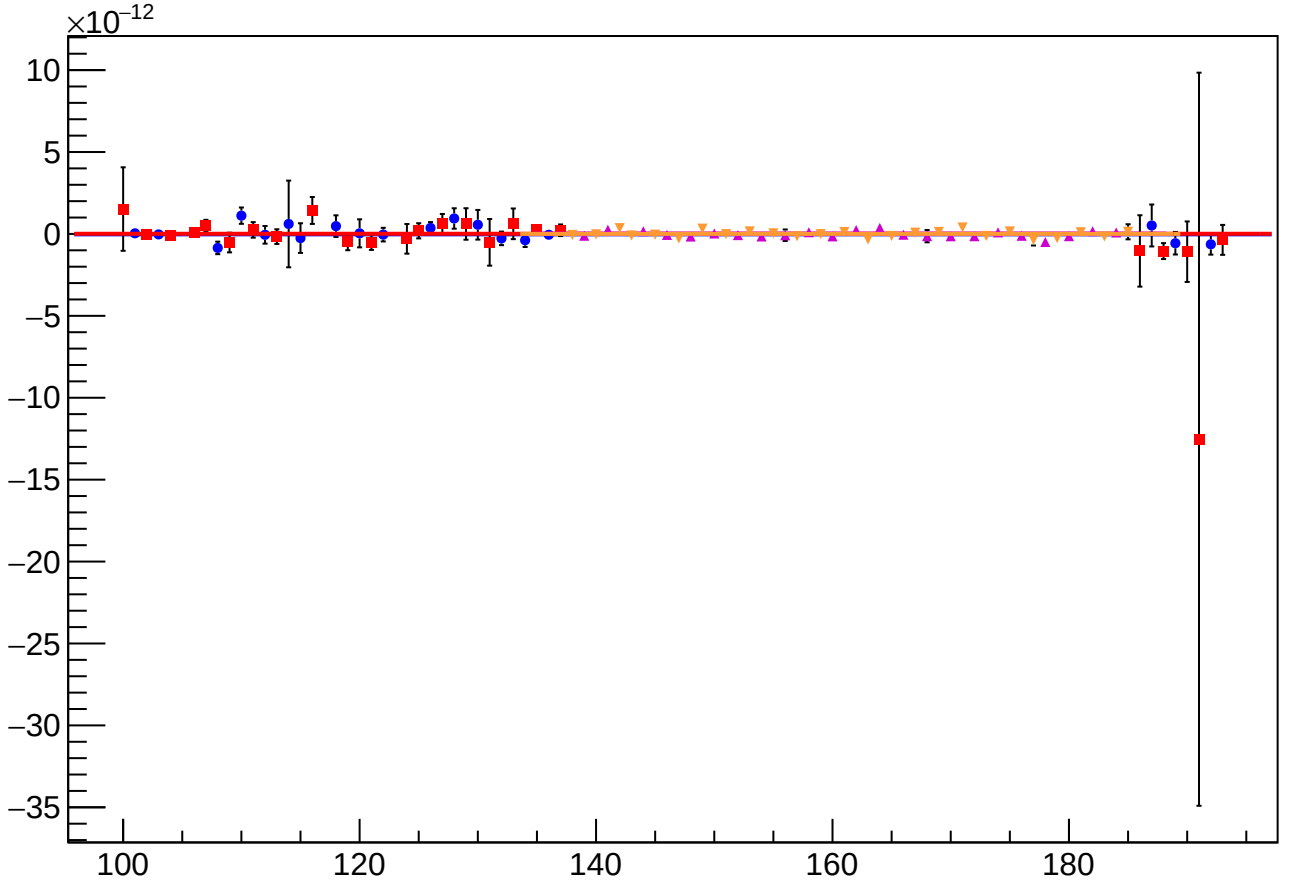
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5023.047+/-0.684 χ^2/NDF: 2204173.2/43

All: 4967.364+/-0.480 χ^2/NDF: 5096248.0/90

- sign 4913.297+/-0.674 χ^2/NDF: 2879015.3/46

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: 20.9/23

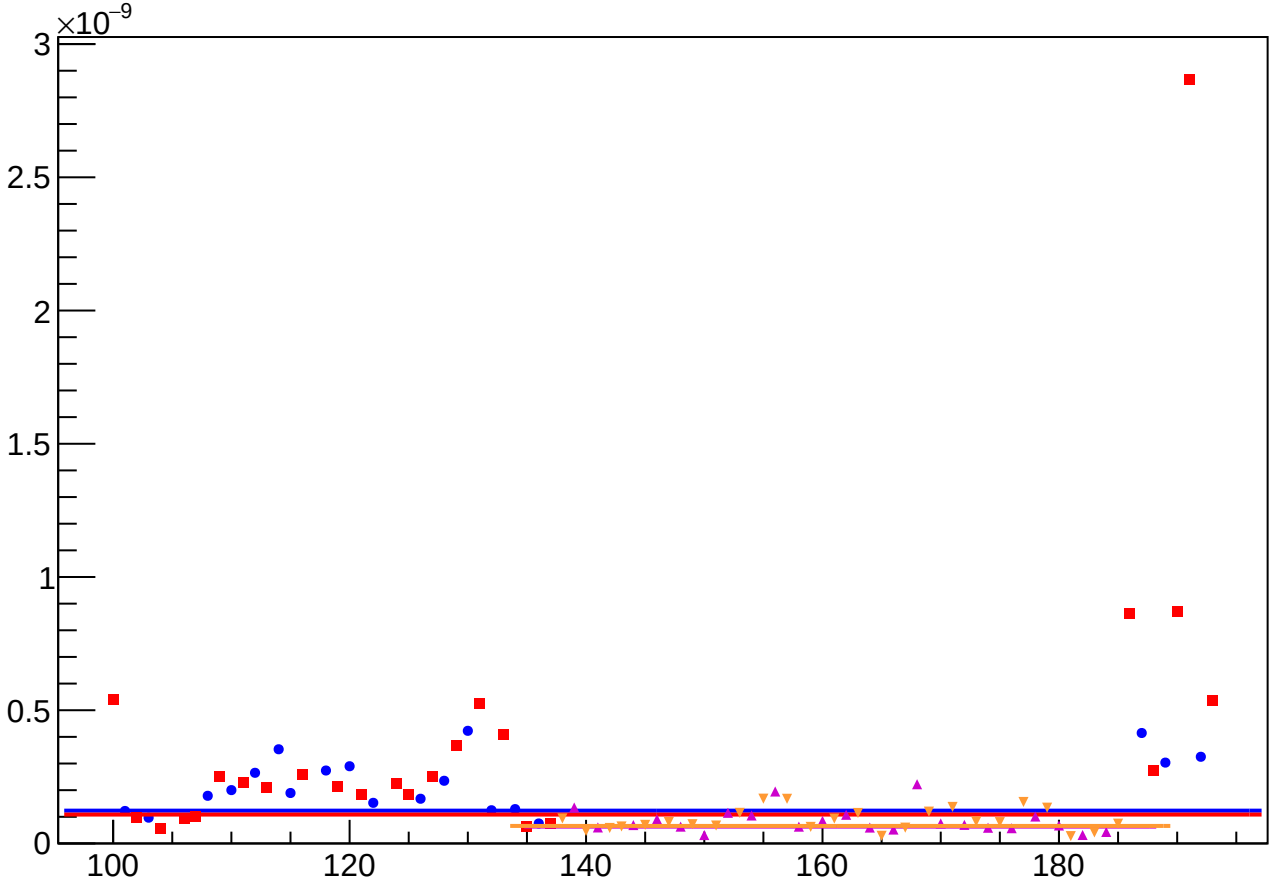
Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.0/43

All: 0.000+/-0.000 χ^2/NDF: 104.7/90

- sign 0.000+/-0.000 χ^2/NDF: 53.4/46

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: 3151233.5/23

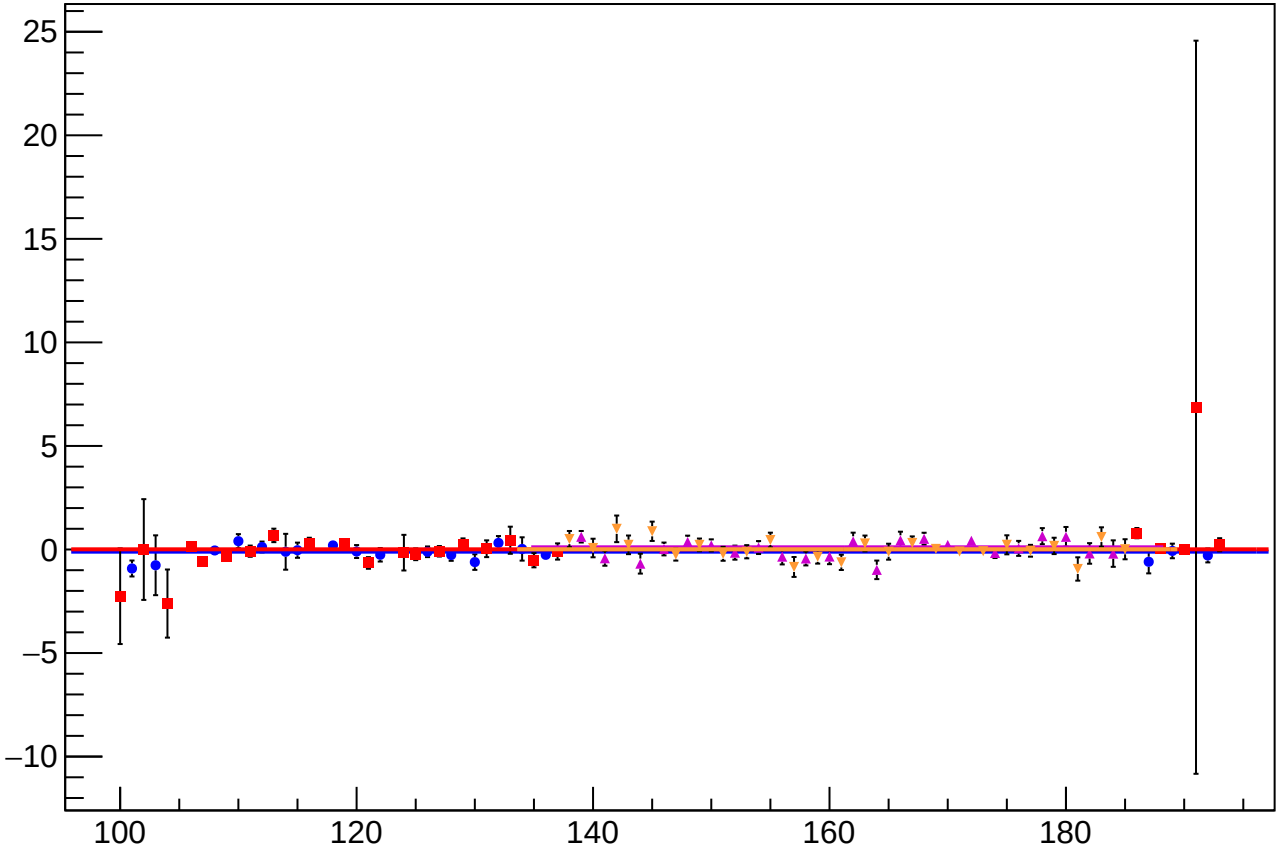
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5080007.1/43

All: 0.000+/-0.000 χ^2/NDF: 11143065.5/90

- sign 0.000+/-0.000 χ^2/NDF: 6042911.2/46

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: 0.008+/-0.057 χ^2/NDF: 40.6/23

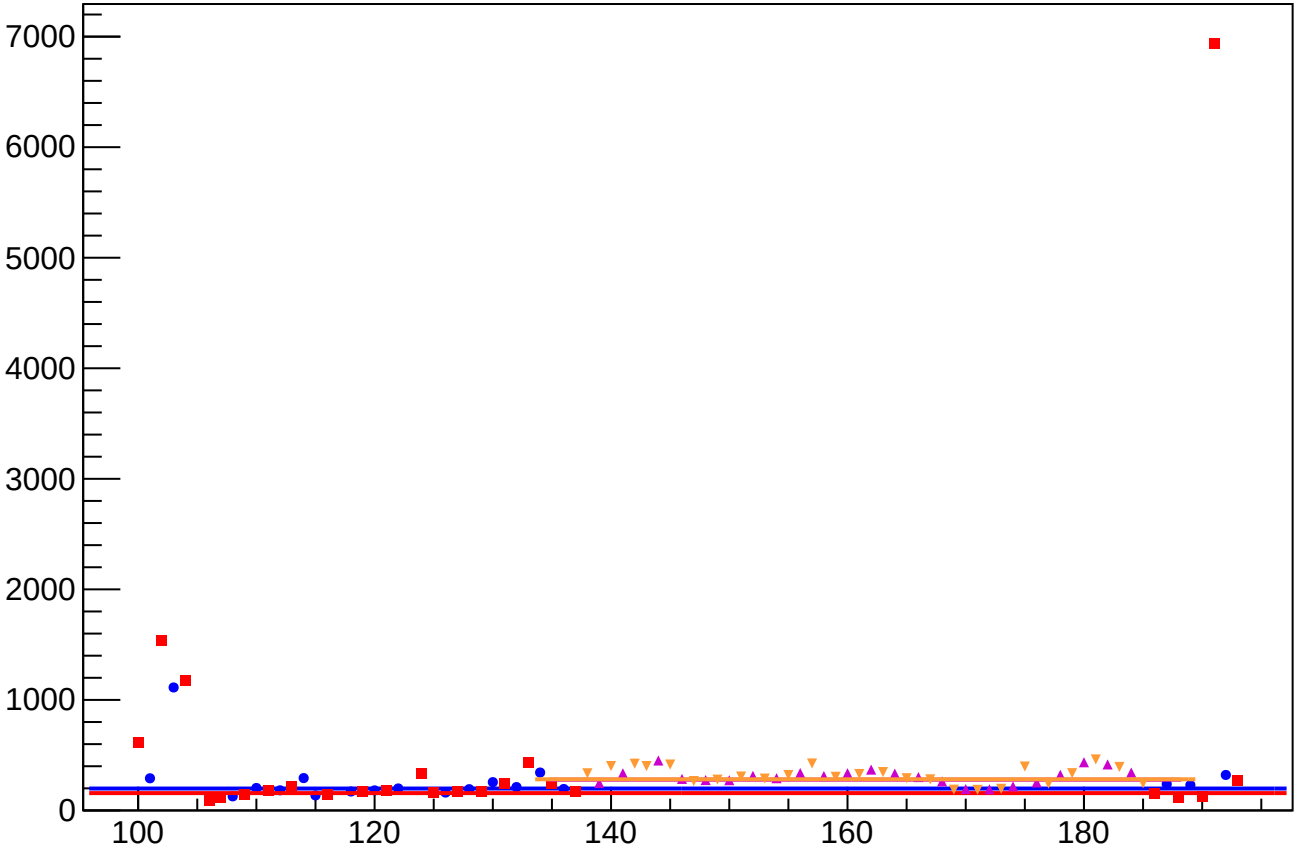
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.043+/-0.050 χ^2/NDF: 41.6/43

All: 0.008+/-0.033 χ^2/NDF: 116.7/90

- sign 0.048+/-0.044 χ^2/NDF: 73.2/46

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: 156.967+/-0.041 χ^2/NDF: 3425415.1/23

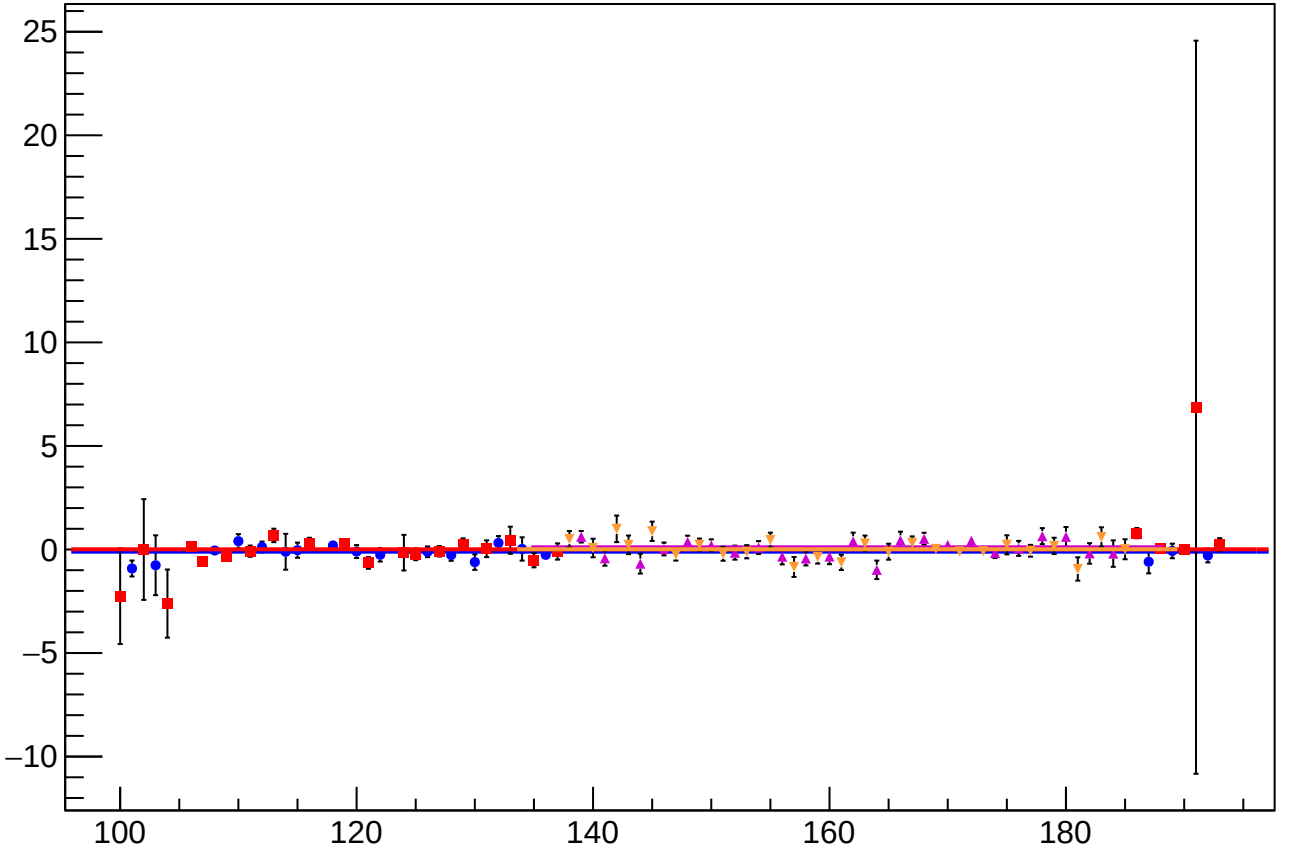
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 242.748+/-0.035 χ^2/NDF: 5715246.0/43

All: 222.655+/-0.023 χ^2/NDF: 15216956.3/90

- sign 206.885+/-0.031 χ^2/NDF: 8916926.5/46

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: 0.008+/-0.057 χ^2/NDF: 40.6/23

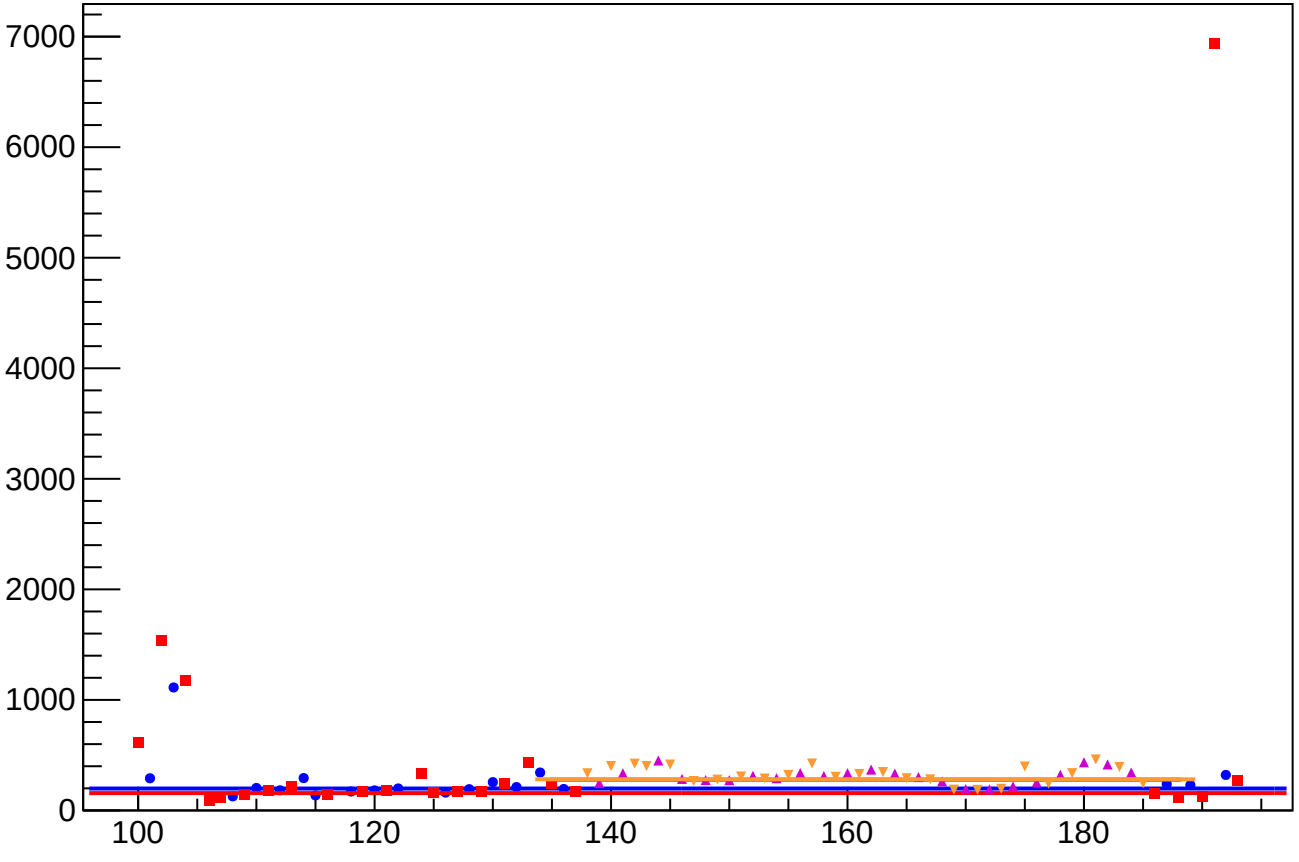
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.043+/-0.050 χ^2/NDF: 41.6/43

All: 0.008+/-0.033 χ^2/NDF: 116.7/90

- sign 0.048+/-0.044 χ^2/NDF: 73.2/46

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

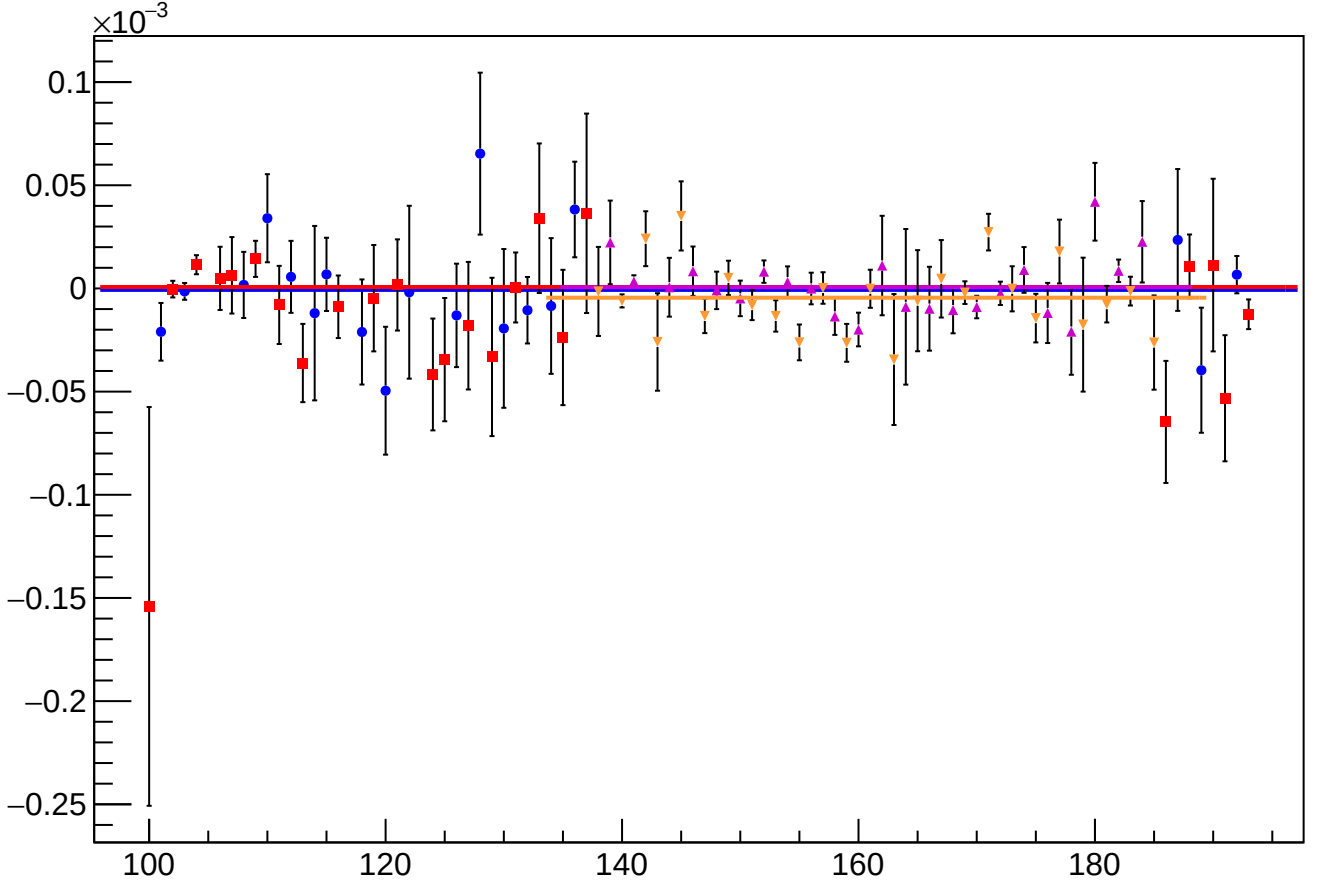
Right Out: 156.967+/-0.041 χ^2/NDF: 3425415.1/23

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 242.748+/-0.035 χ^2/NDF: 5715246.0/43

All: 222.655+/-0.023 χ^2/NDF: 15216956.3/90

- sign 206.885+/-0.031 χ^2/NDF: 8916926.5/46



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: 33.9/23

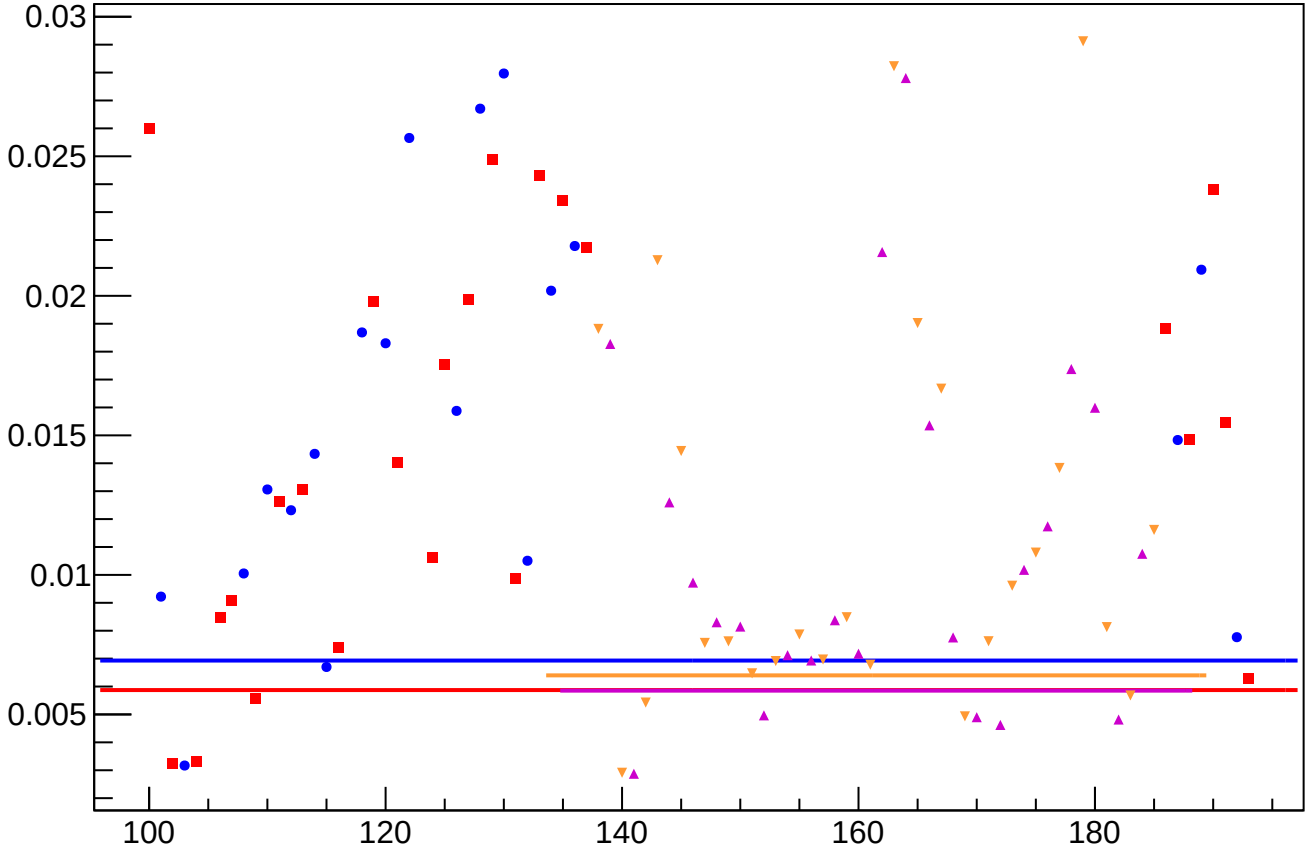
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.2/43

All: -0.000+/-0.000 χ^2/NDF: 132.6/90

- sign 0.000+/-0.000 χ^2/NDF: 63.0/46

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: 7405165.1/23

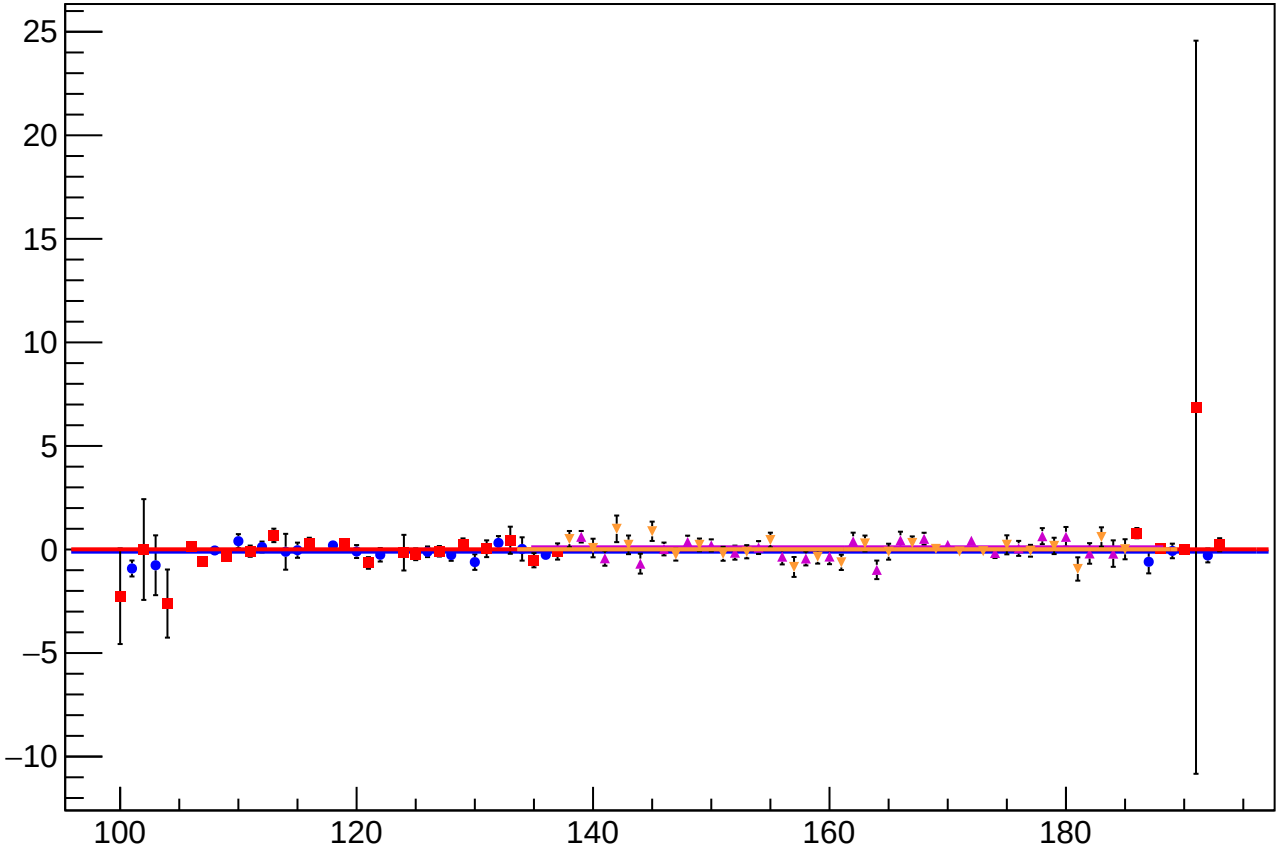
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 15510281.7/43

All: 0.006+/-0.000 χ^2/NDF: 31277946.0/90

- sign 0.006+/-0.000 χ^2/NDF: 15549559.8/46

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: 0.008+/-0.057 χ^2/NDF: 40.6/23

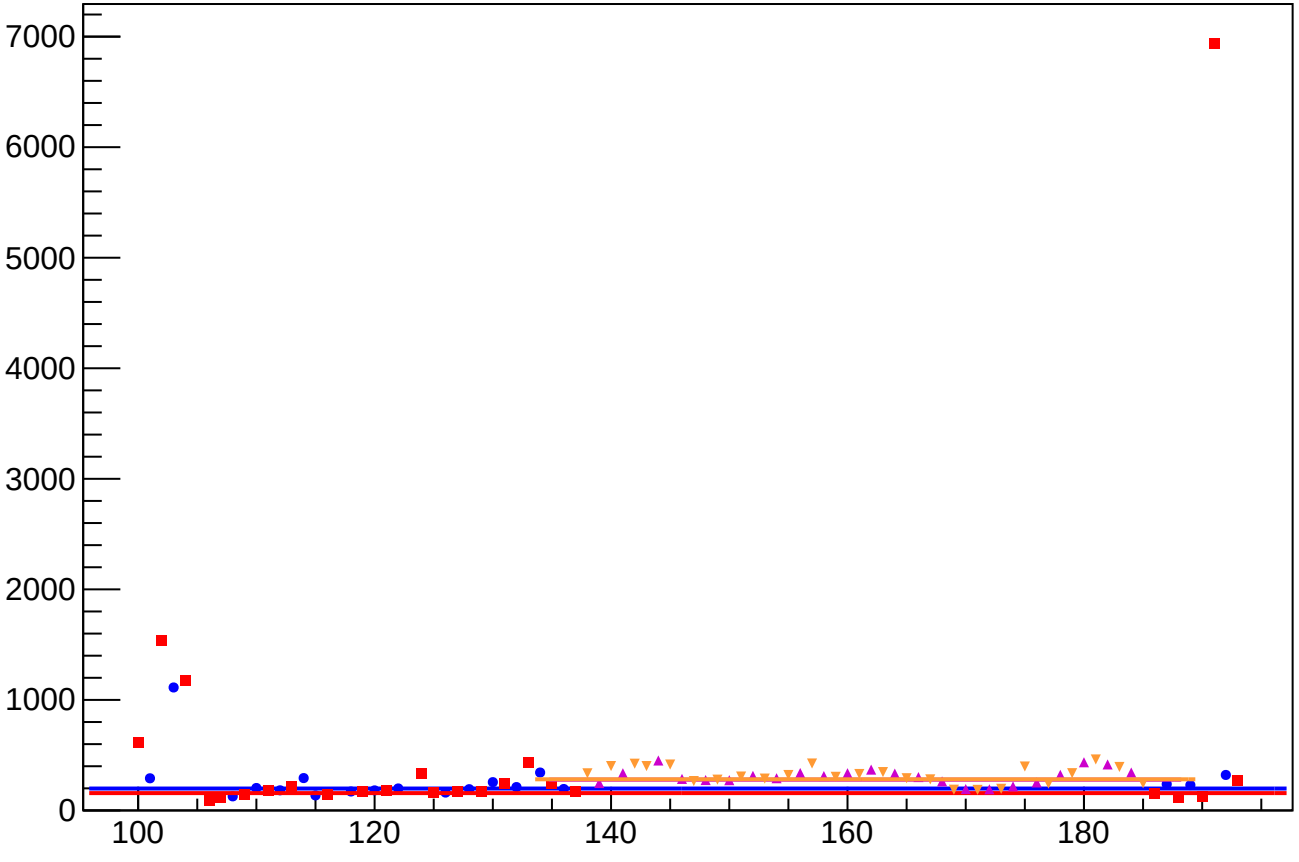
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.043+/-0.050 χ^2/NDF: 41.6/43

All: 0.008+/-0.033 χ^2/NDF: 116.7/90

- sign 0.048+/-0.044 χ^2/NDF: 73.2/46

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: 156.964+/-0.041 χ^2/NDF: 3425474.5/23

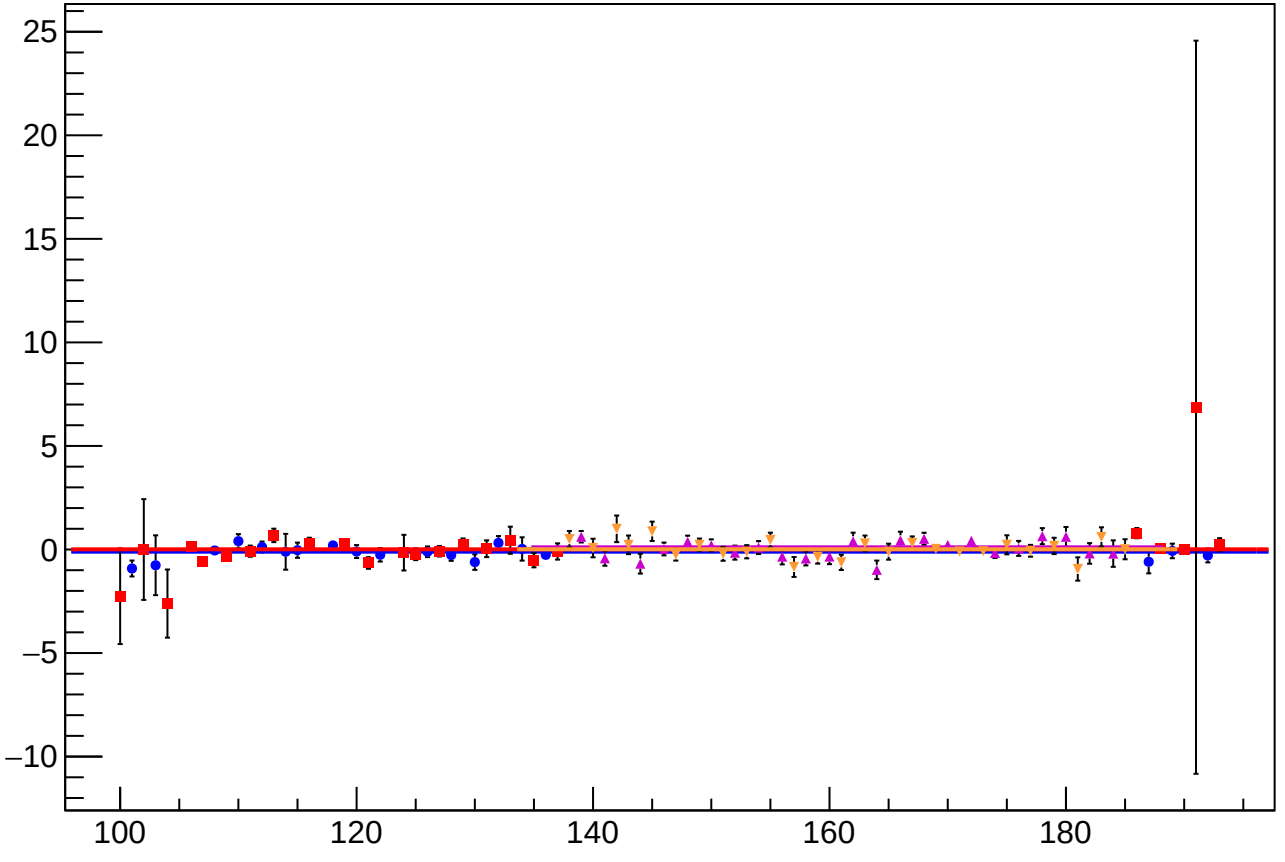
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 242.749+/-0.035 χ^2/NDF: 5715398.5/43

All: 222.654+/-0.023 χ^2/NDF: 15217657.3/90

- sign 206.883+/-0.031 χ^2/NDF: 8917376.1/46

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: 0.008+/-0.057 χ^2/NDF: 40.6/23

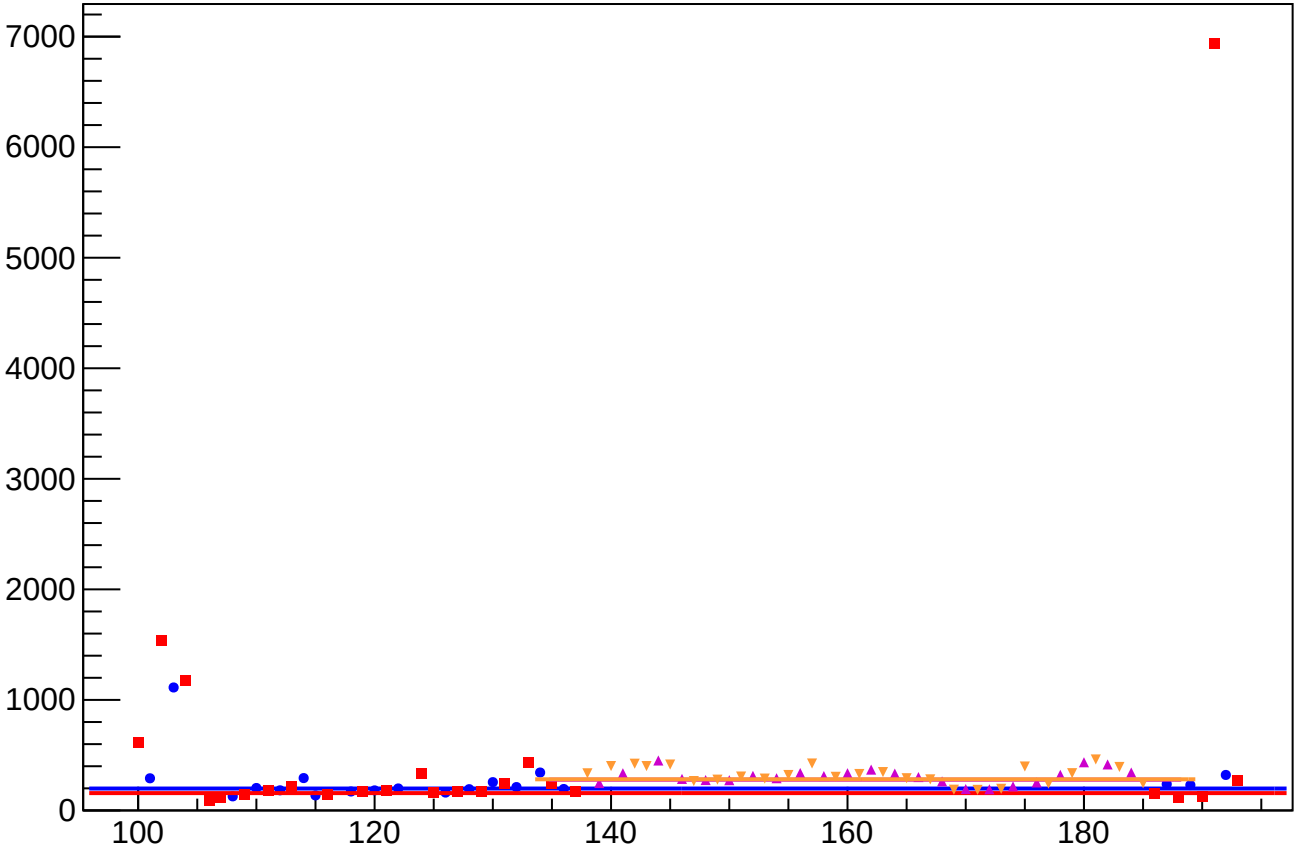
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.043+/-0.050 χ^2/NDF: 41.6/43

All: 0.008+/-0.033 χ^2/NDF: 116.7/90

- sign 0.048+/-0.044 χ^2/NDF: 73.2/46

asym_atr_avg_eigen_dit_vs_eigen_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: 156.964+/-0.041 χ^2/NDF: 3425474.5/23

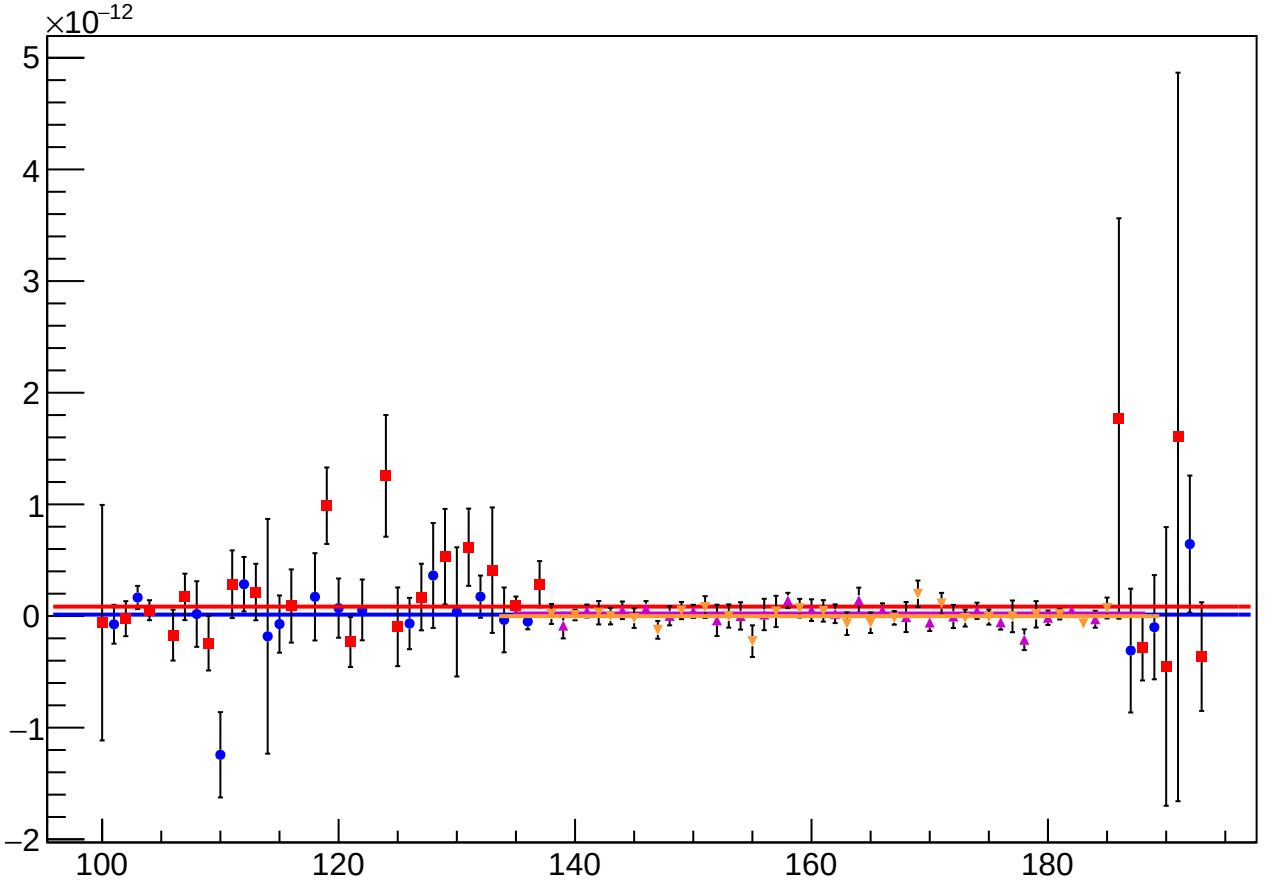
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 242.749+/-0.035 χ^2/NDF: 5715398.5/43

All: 222.654+/-0.023 χ^2/NDF: 15217657.3/90

- sign 206.883+/-0.031 χ^2/NDF: 8917376.1/46

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: 27.0/23

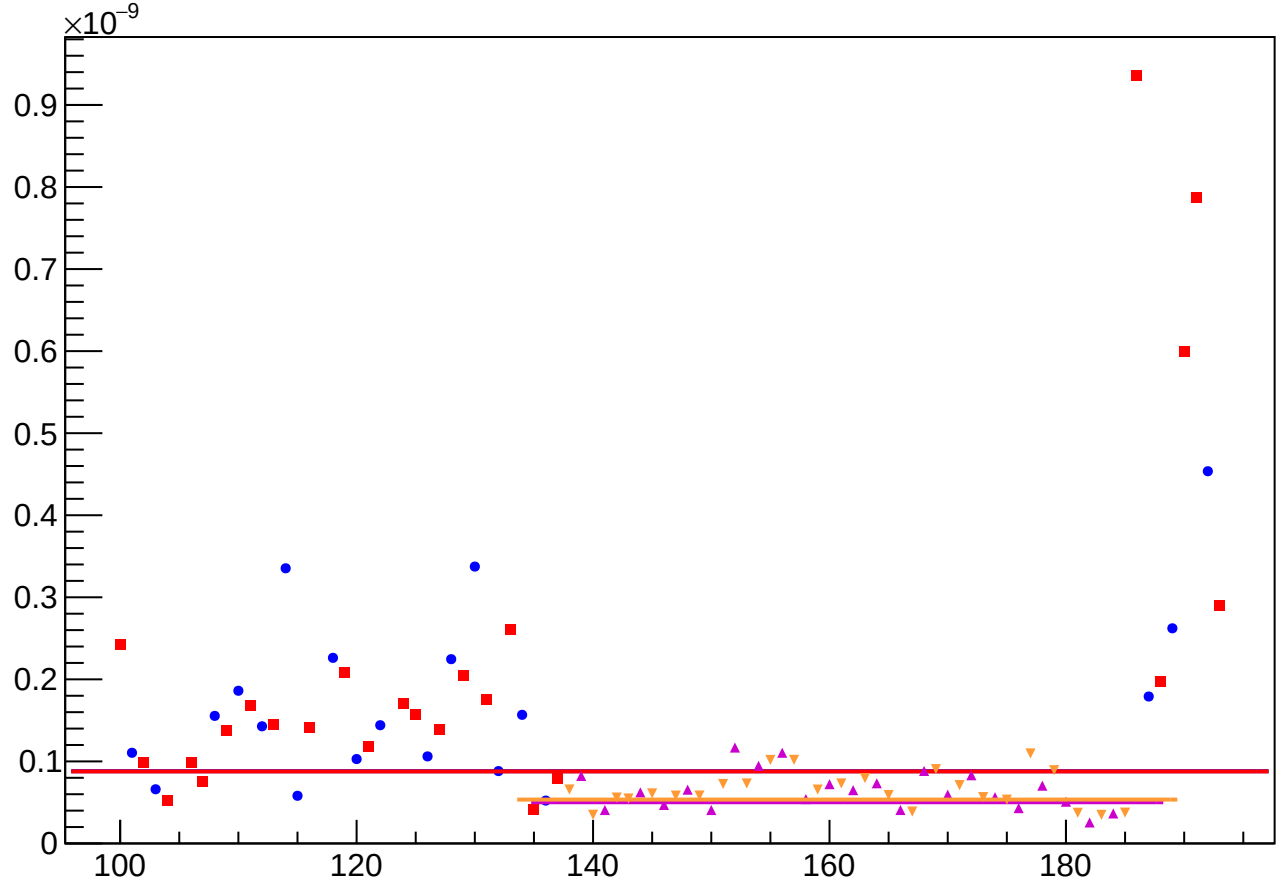
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.0/43

All: 0.000+/-0.000 χ^2/NDF: 81.5/90

- sign 0.000+/-0.000 χ^2/NDF: 45.5/46

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: 3806297.5/23

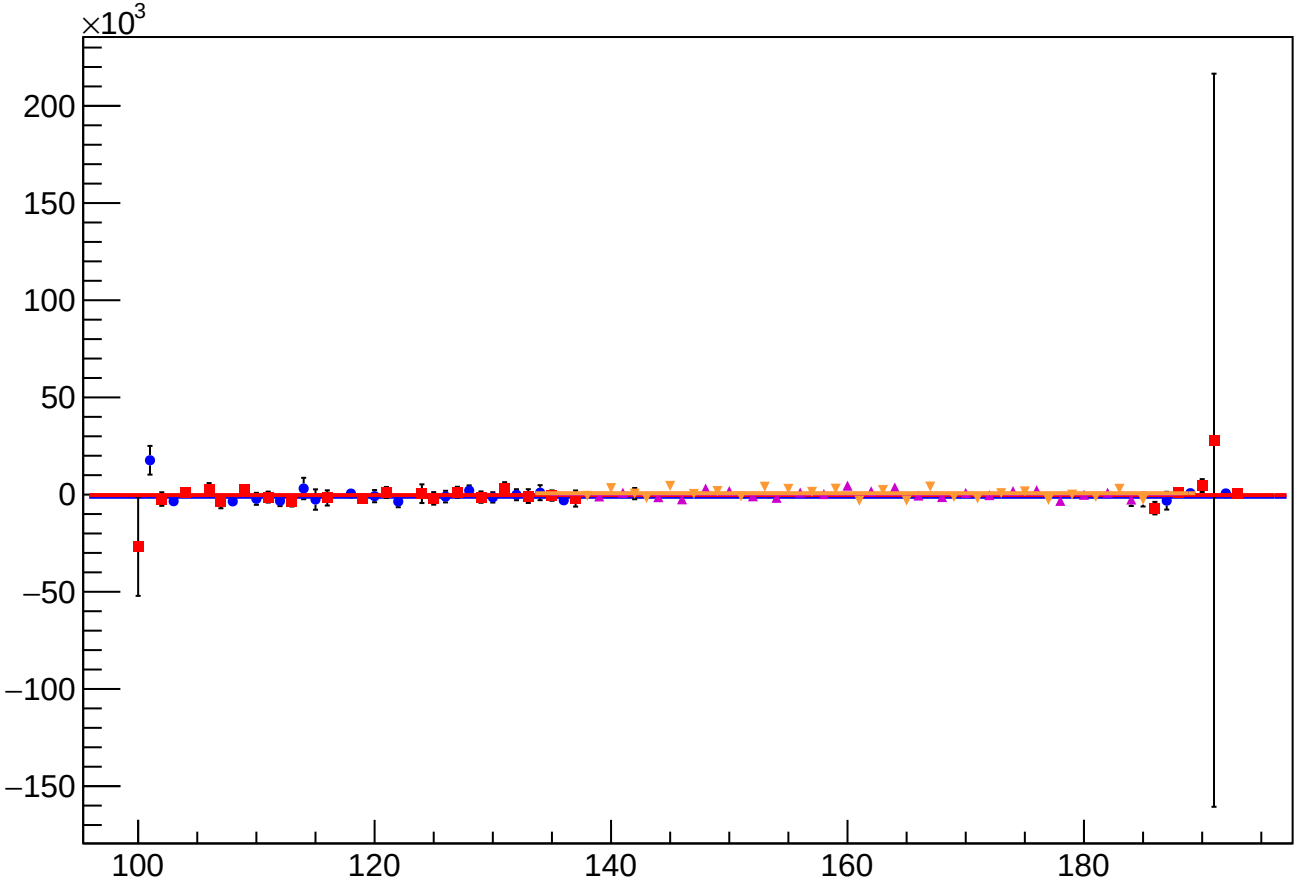
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7001012.6/43

All: 0.000+/-0.000 χ^2/NDF: 15514223.2/90

- sign 0.000+/-0.000 χ^2/NDF: 8474566.5/46

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: -245.201+/-615.003 χ^2/NDF: 16.9/23

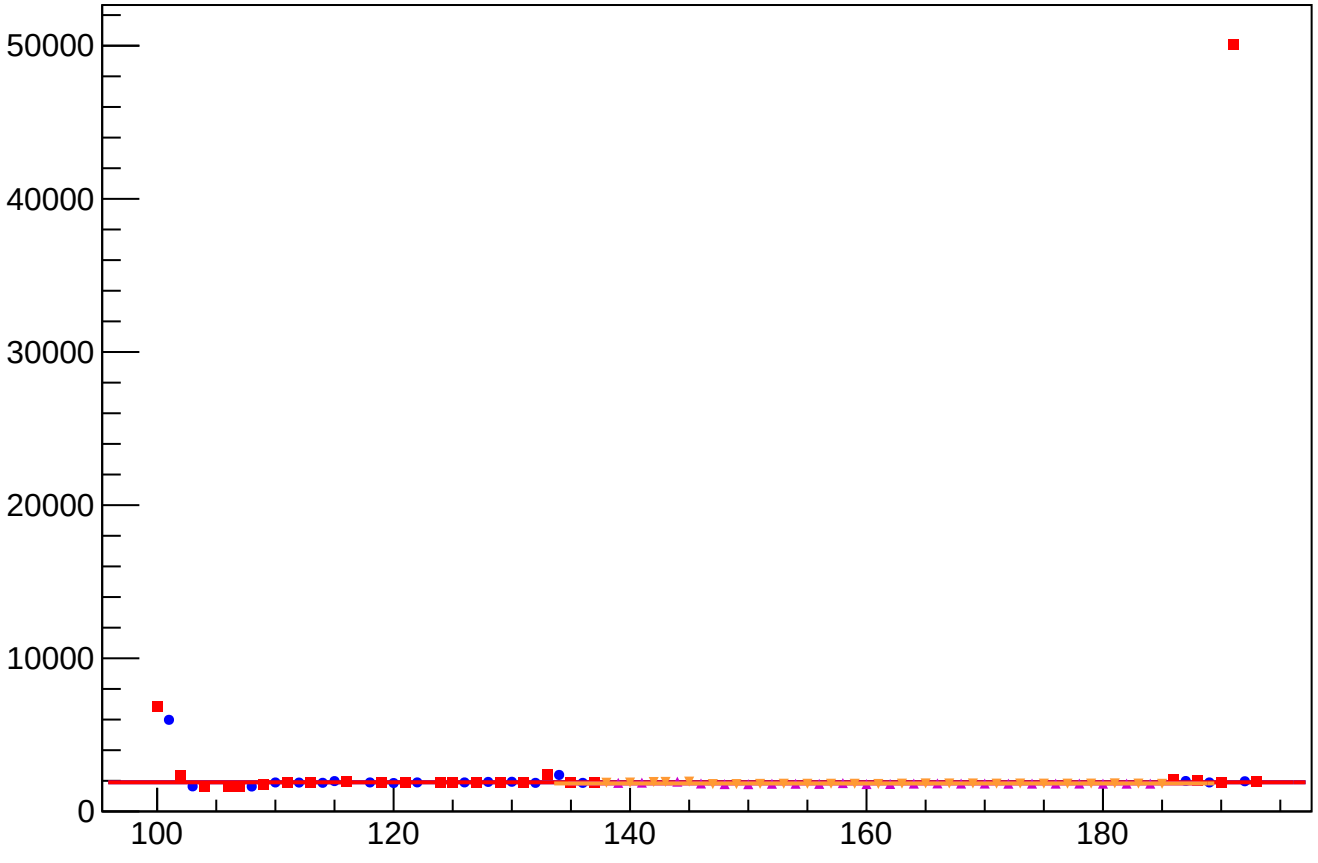
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 176.476+/-350.210 χ^2/NDF: 52.7/43

All: 184.628+/-247.672 χ^2/NDF: 91.1/90

- sign 192.784+/-350.312 χ^2/NDF: 38.4/46

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

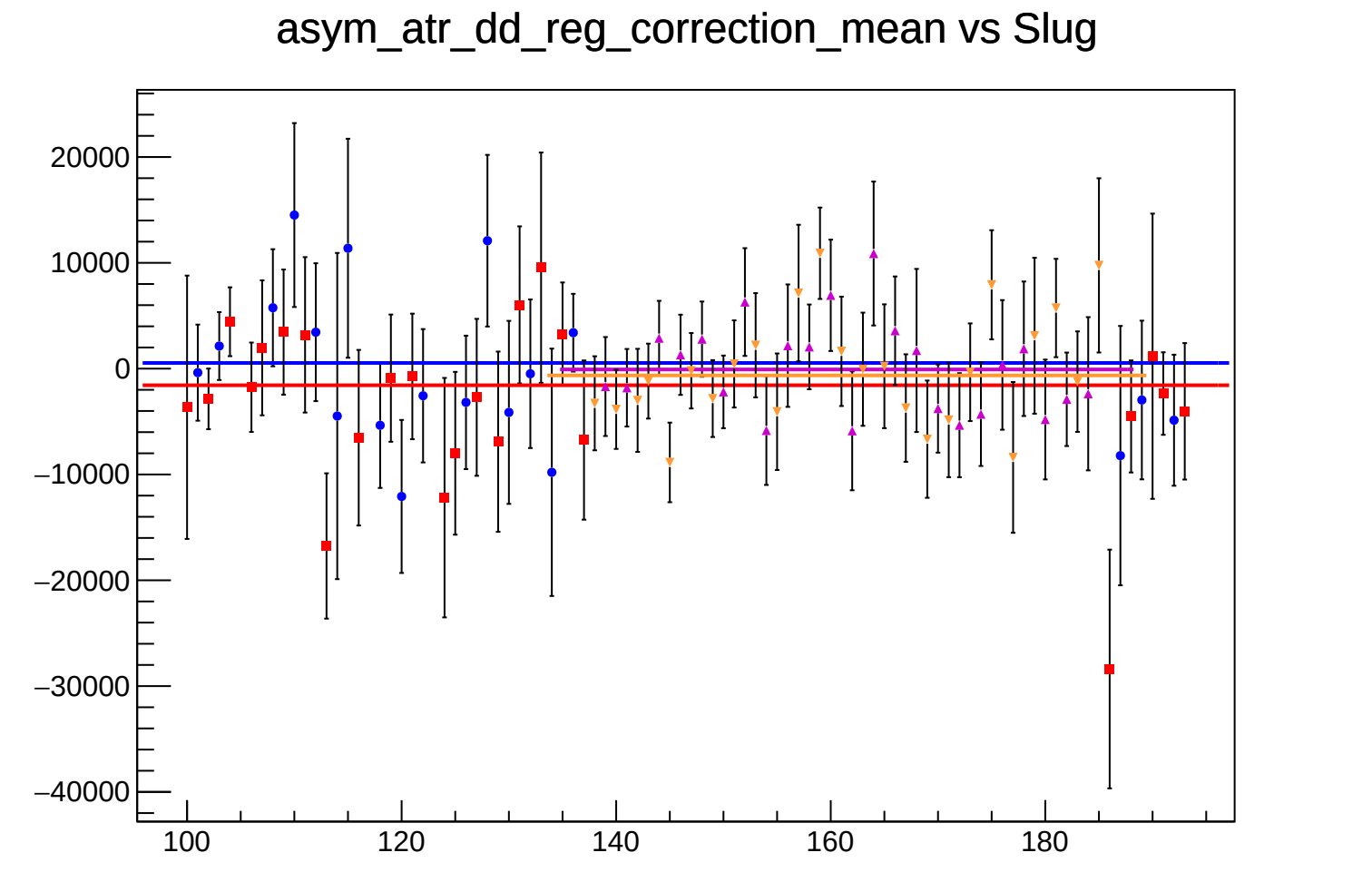
Right Out: 1903.427+/-0.434 χ^2/NDF: 367701.9/23

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1851.323+/-0.248 χ^2/NDF: 741229.5/43

All: 1850.985+/-0.175 χ^2/NDF: 1144251.8/90

- sign 1850.647+/-0.247 χ^2/NDF: 403018.6/46



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: -1570.392+/-1175.188 χ^2/NDF: 22.1/23

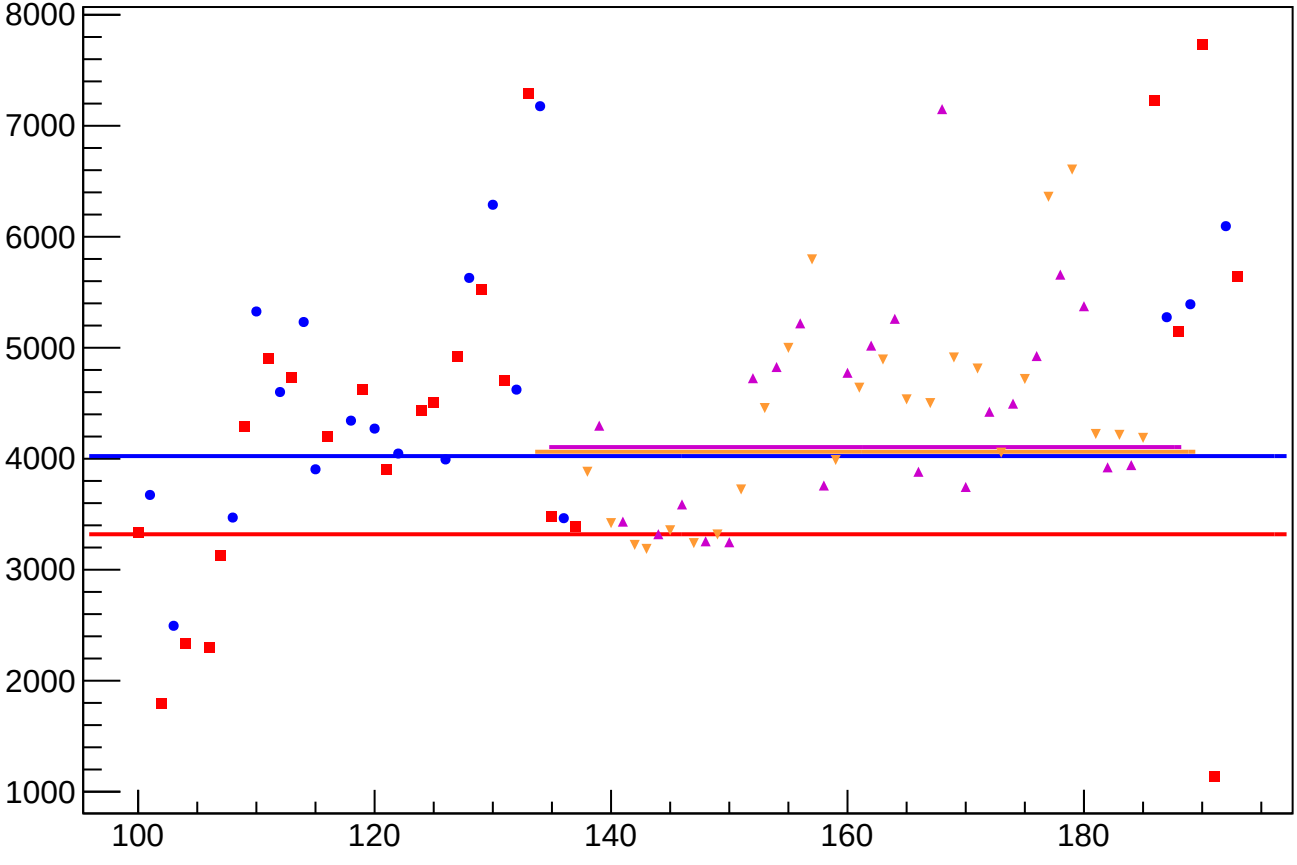
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

\+ sign -269.493+/-784.972 χ^2/NDF: 41.5/43

All: -488.030+/-543.310 χ^2/NDF: 80.1/90

\- sign -688.996+/-752.754 χ^2/NDF: 38.5/46

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: 3319.560+/-0.831 χ^2/NDF: 3446330.9/23

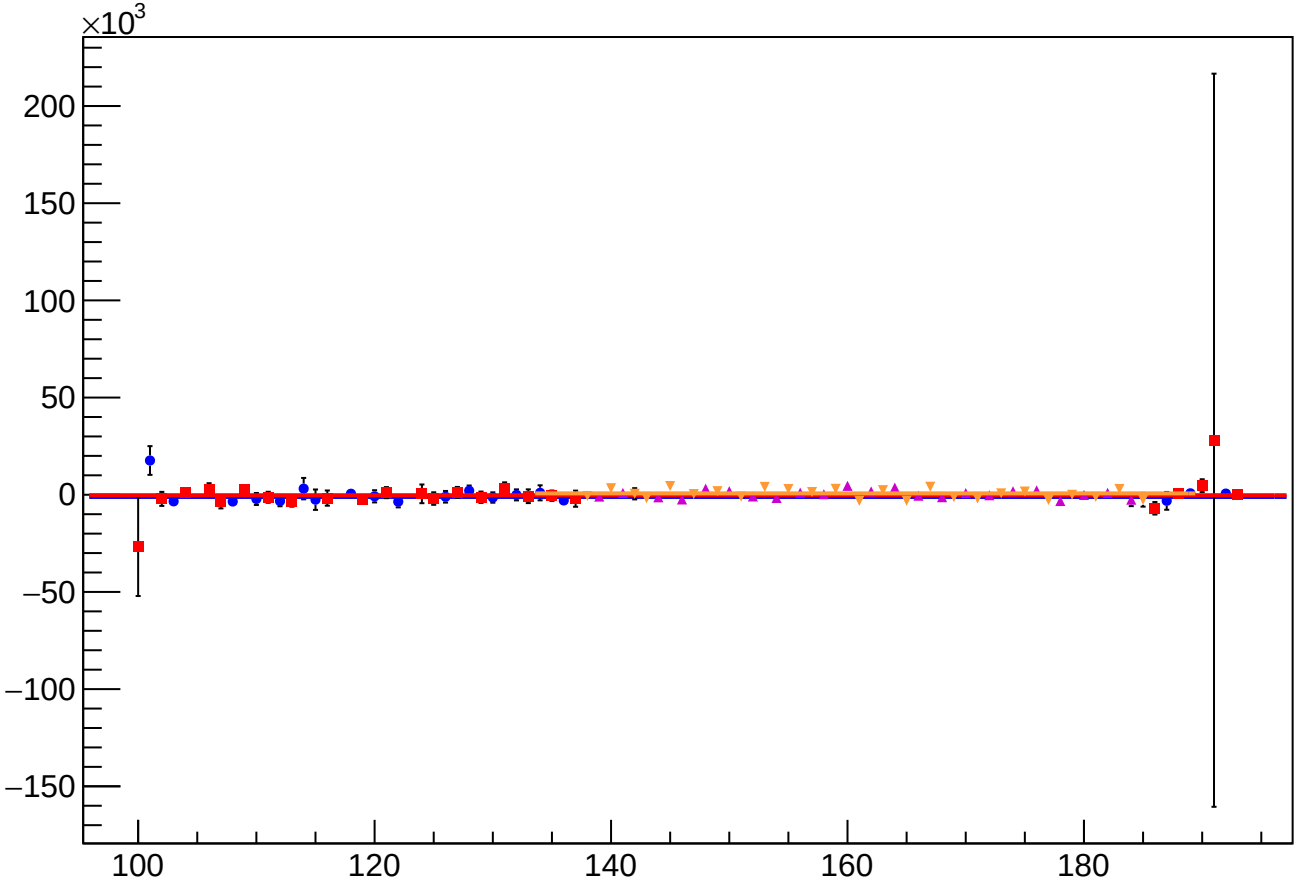
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4050.845+/-0.555 χ^2/NDF: 2707133.3/43

All: 3911.196+/-0.384 χ^2/NDF: 8161384.8/90

- sign 3782.775+/-0.532 χ^2/NDF: 5332743.0/46

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: -236.988+/-615.638 χ^2/NDF: 16.8/23

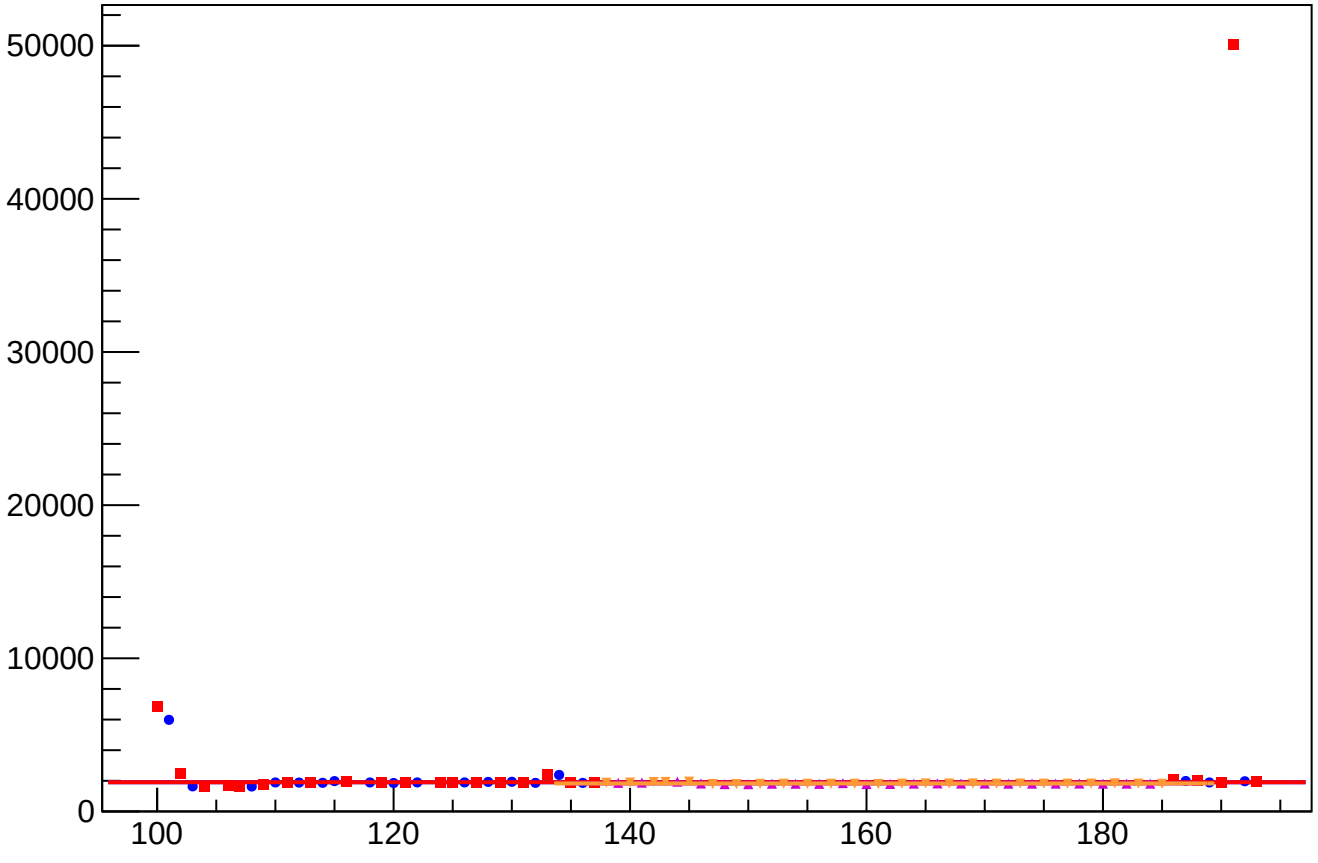
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 176.422+/-350.210 χ^2/NDF: 52.7/43

All: 186.019+/-247.713 χ^2/NDF: 91.0/90

- sign 195.628+/-350.429 χ^2/NDF: 38.3/46

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

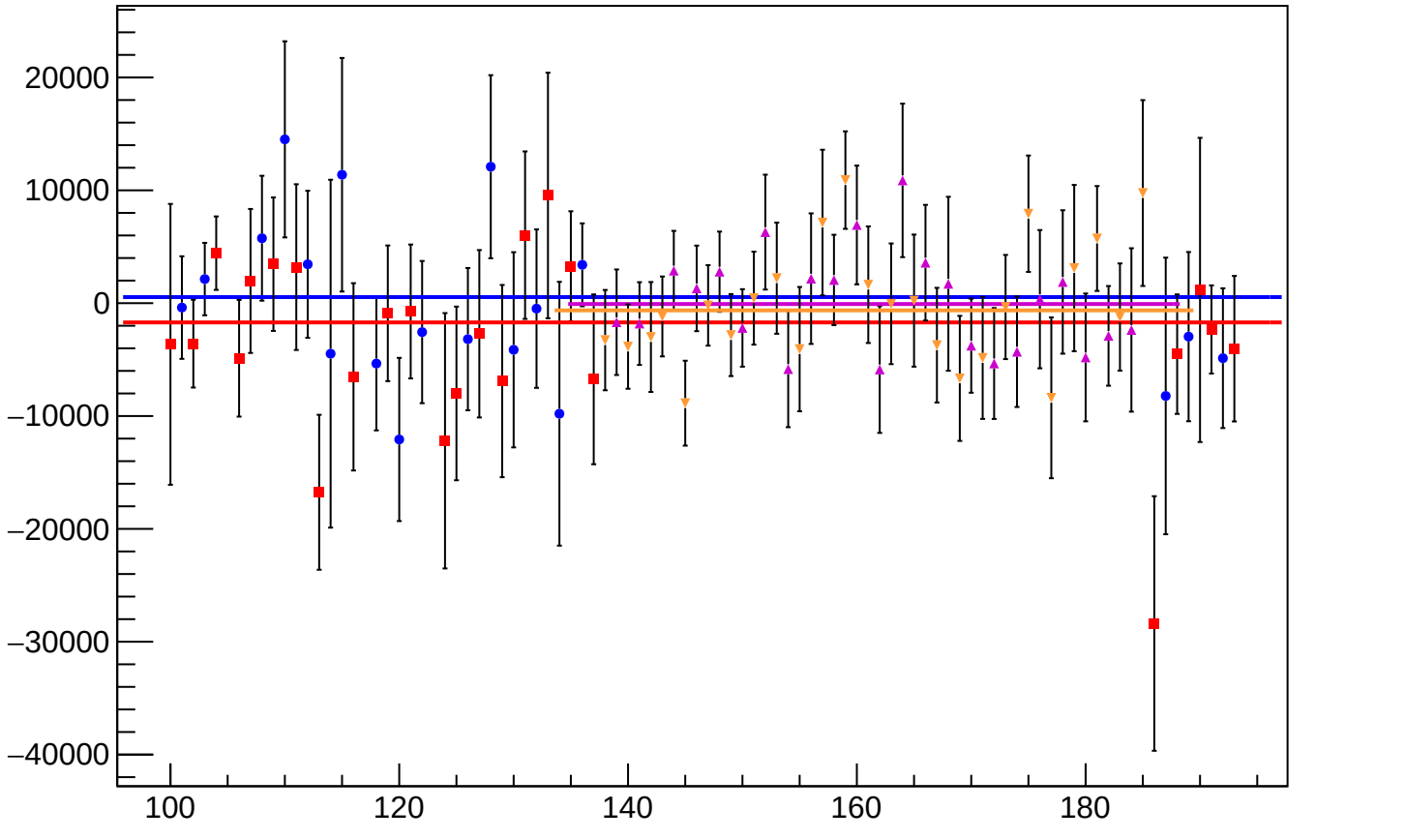
Right Out: 1908.746+/-0.435 χ^2/NDF: 375024.2/23

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1851.323+/-0.248 χ^2/NDF: 741229.5/43

All: 1851.806+/-0.175 χ^2/NDF: 1154581.4/90

- sign 1852.289+/-0.248 χ^2/NDF: 413344.3/46



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: -1706.100+/-1240.717 χ^2/NDF: 22.6/23

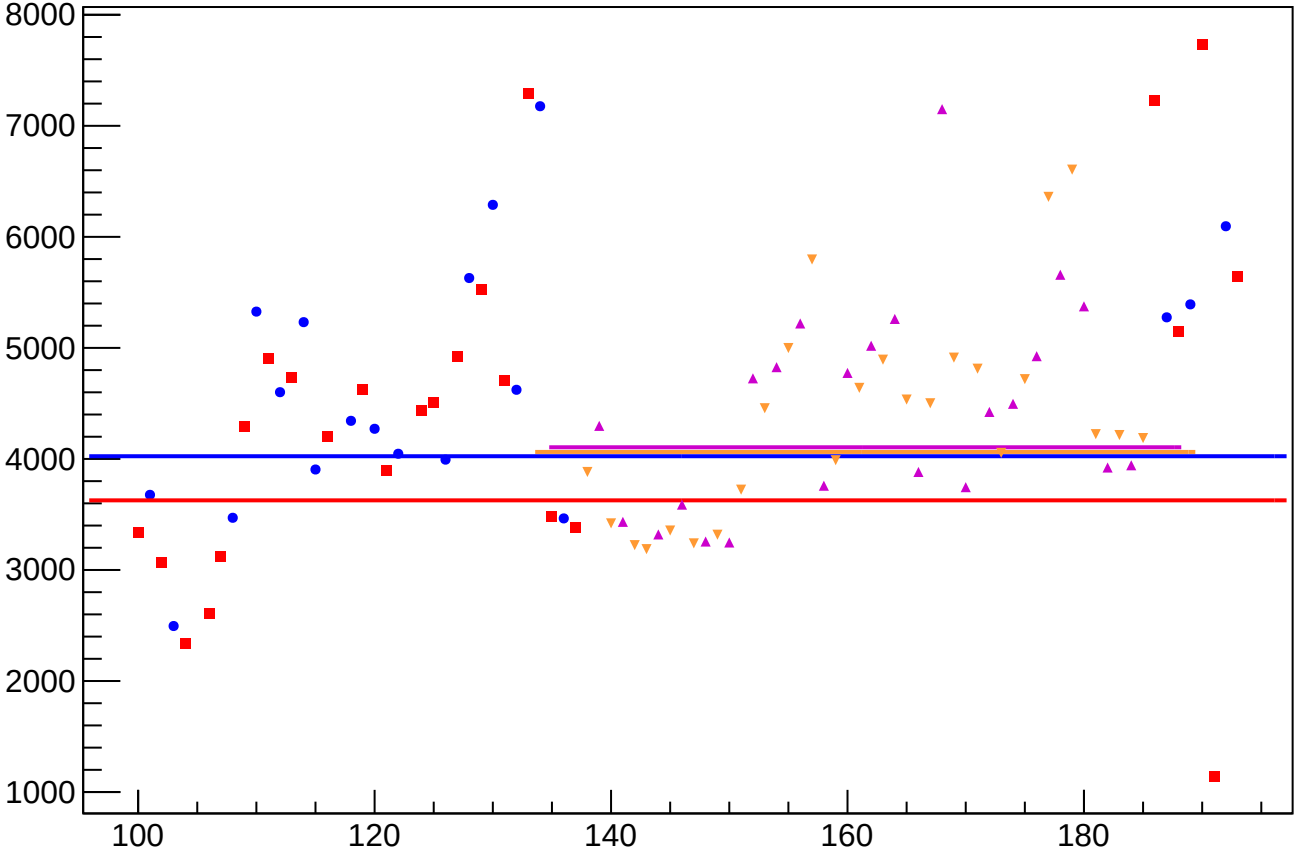
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

\+ sign -269.928+/-784.997 χ^2/NDF: 41.5/43

All: -490.539+/-549.390 χ^2/NDF: 80.7/90

\- sign -702.335+/-769.155 χ^2/NDF: 39.1/46

asym_atr_dd_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

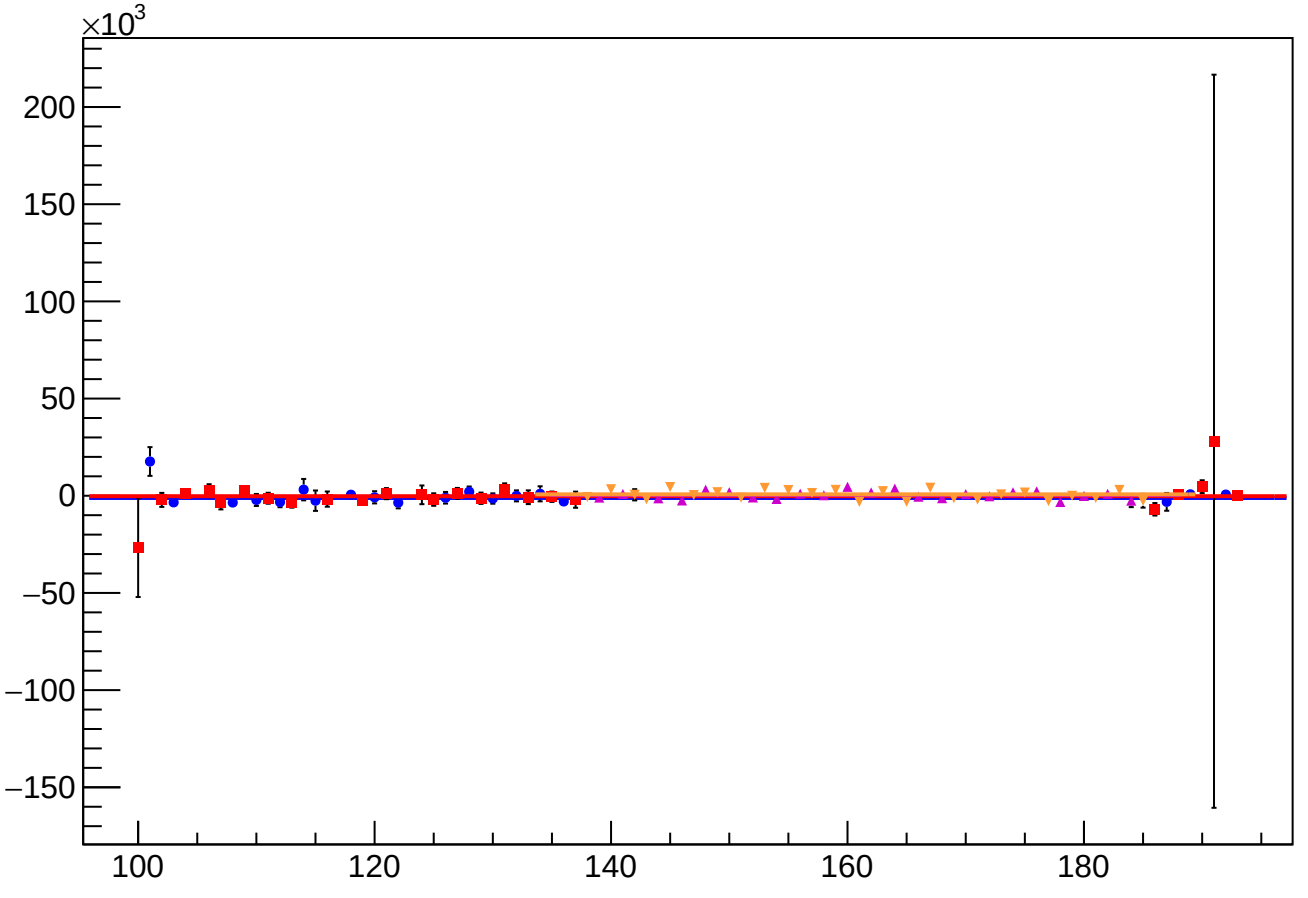
Right Out: 3627.038+/-0.877 χ^2/NDF: 2685556.1/23

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4051.005+/-0.555 χ^2/NDF: 2706445.0/43

All: 3984.853+/-0.388 χ^2/NDF: 6962119.5/90

- sign 3921.344+/-0.544 χ^2/NDF: 4227836.0/46



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: -236.988+/-615.638 χ^2/NDF: 16.8/23

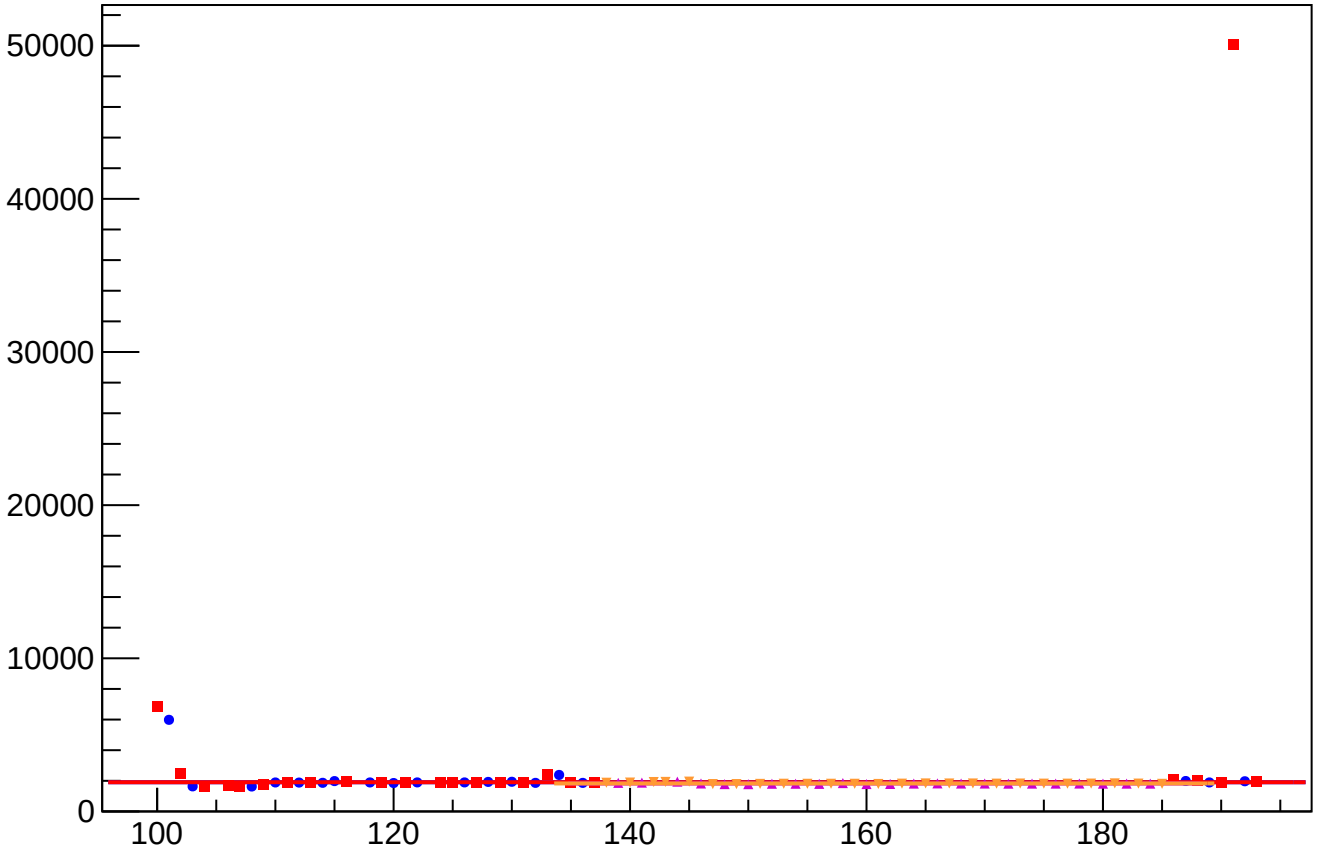
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 176.422+/-350.210 χ^2/NDF: 52.7/43

All: 186.019+/-247.713 χ^2/NDF: 91.0/90

- sign 195.628+/-350.429 χ^2/NDF: 38.3/46

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

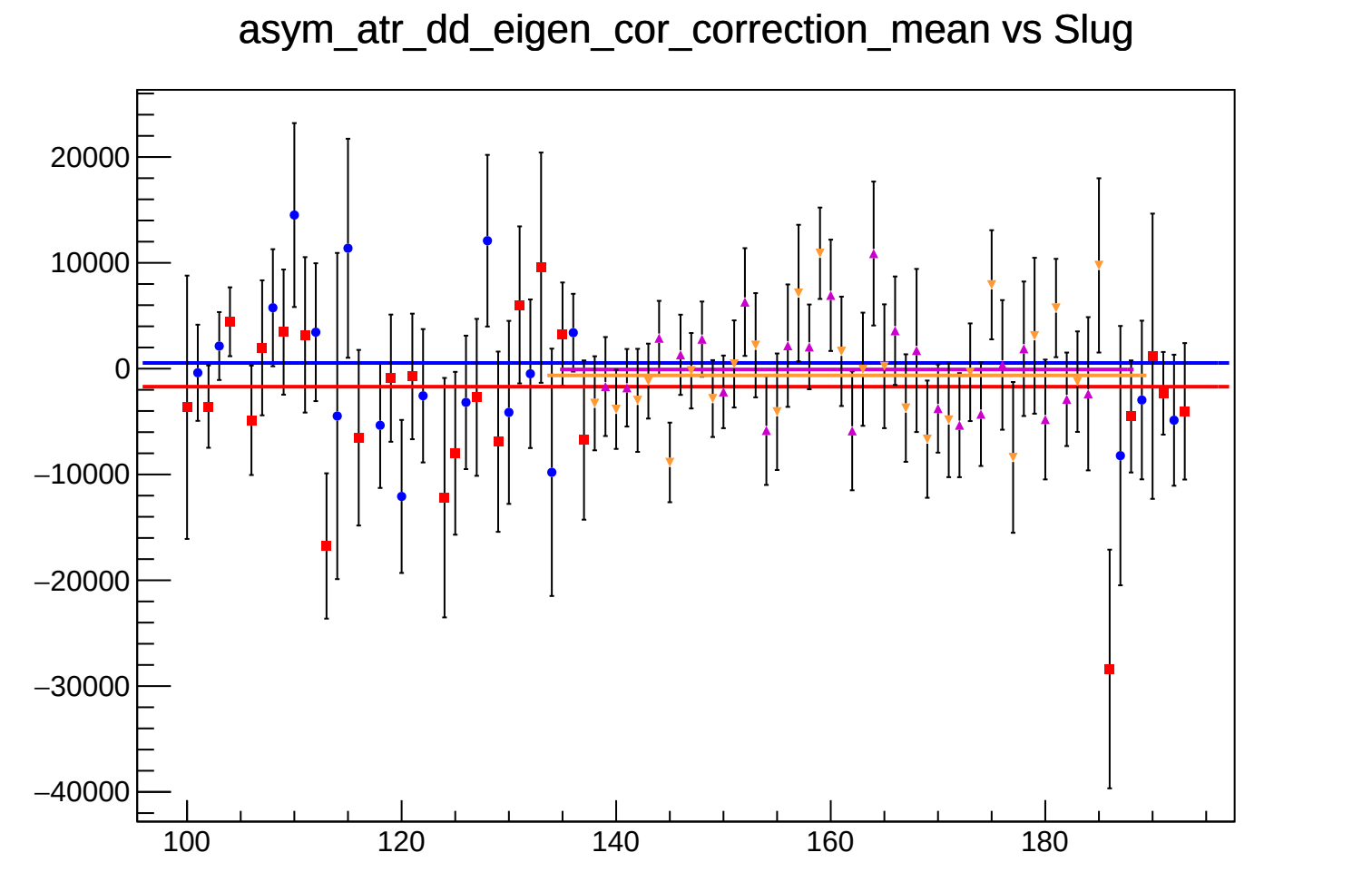
Right Out: 1908.746+/-0.435 χ^2/NDF: 375024.2/23

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1851.323+/-0.248 χ^2/NDF: 741229.5/43

All: 1851.806+/-0.175 χ^2/NDF: 1154581.4/90

- sign 1852.289+/-0.248 χ^2/NDF: 413344.3/46



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: -1706.100+/-1240.717 χ^2/NDF: 22.6/23

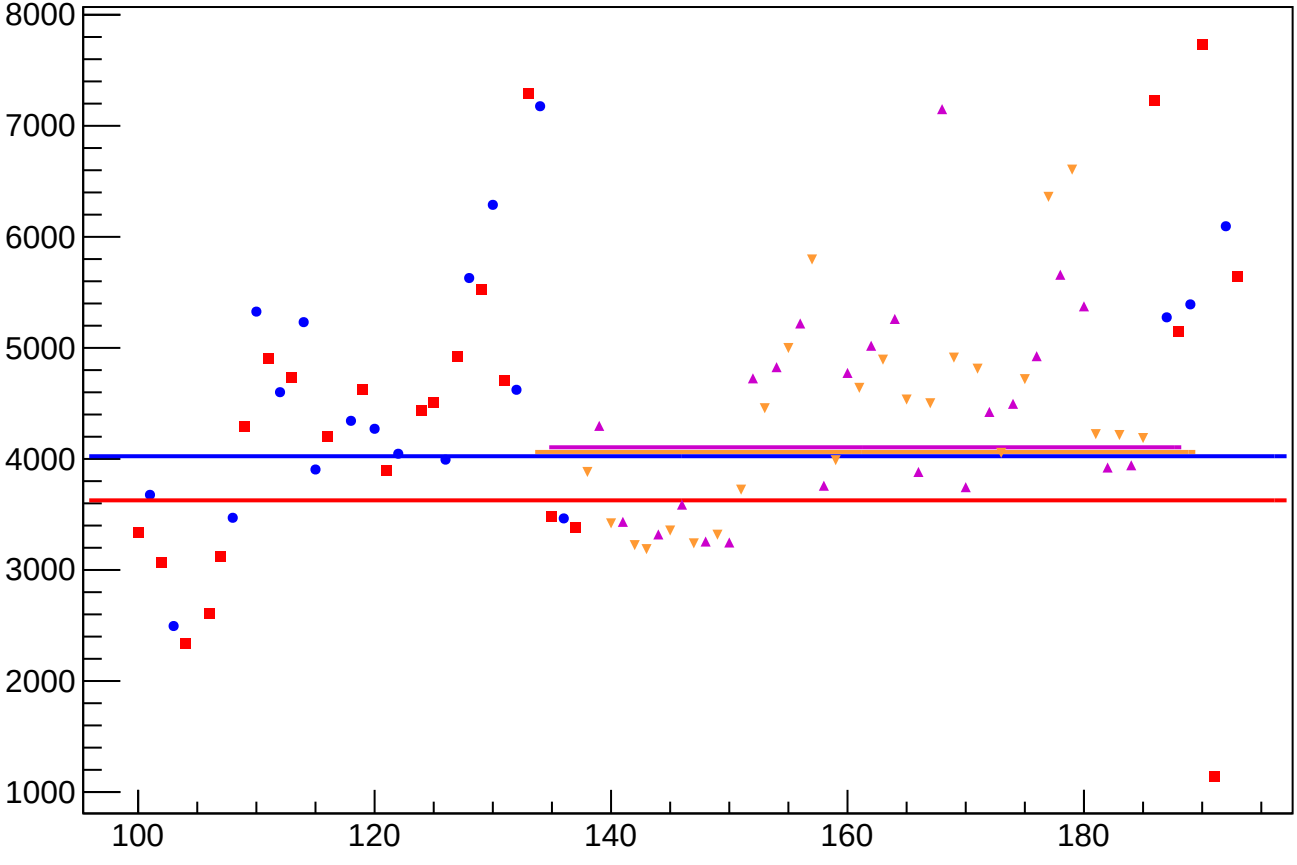
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

\+ sign -269.928+/-784.997 χ^2/NDF: 41.5/43

All: -490.539+/-549.390 χ^2/NDF: 80.7/90

\- sign -702.335+/-769.155 χ^2/NDF: 39.1/46

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: 3627.038+/-0.877 χ^2/NDF: 2685556.1/23

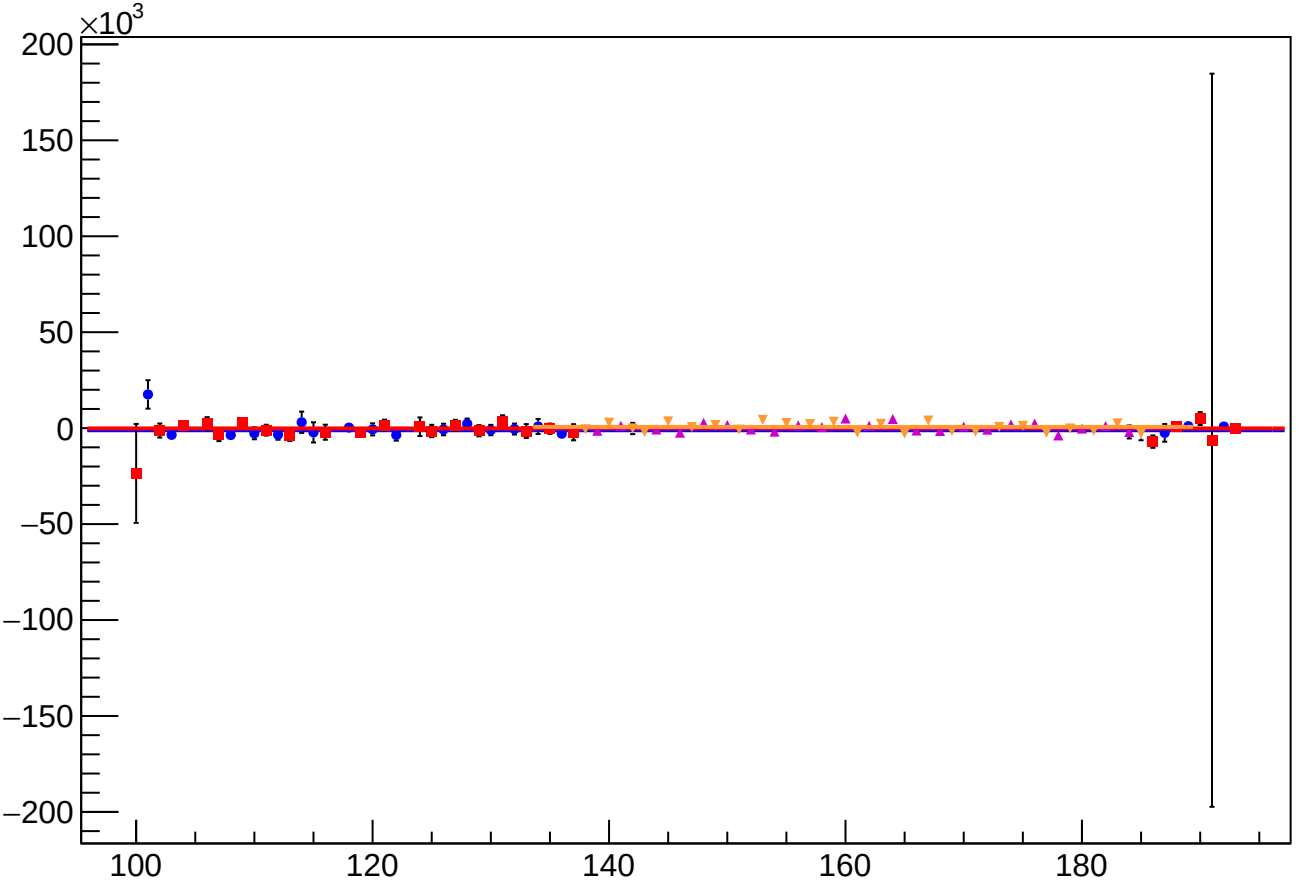
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4051.005+/-0.555 χ^2/NDF: 2706445.0/43

All: 3984.853+/-0.388 χ^2/NDF: 6962119.5/90

- sign 3921.344+/-0.544 χ^2/NDF: 4227836.0/46

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: -158.503+/-619.901 χ^2/NDF: 18.1/23

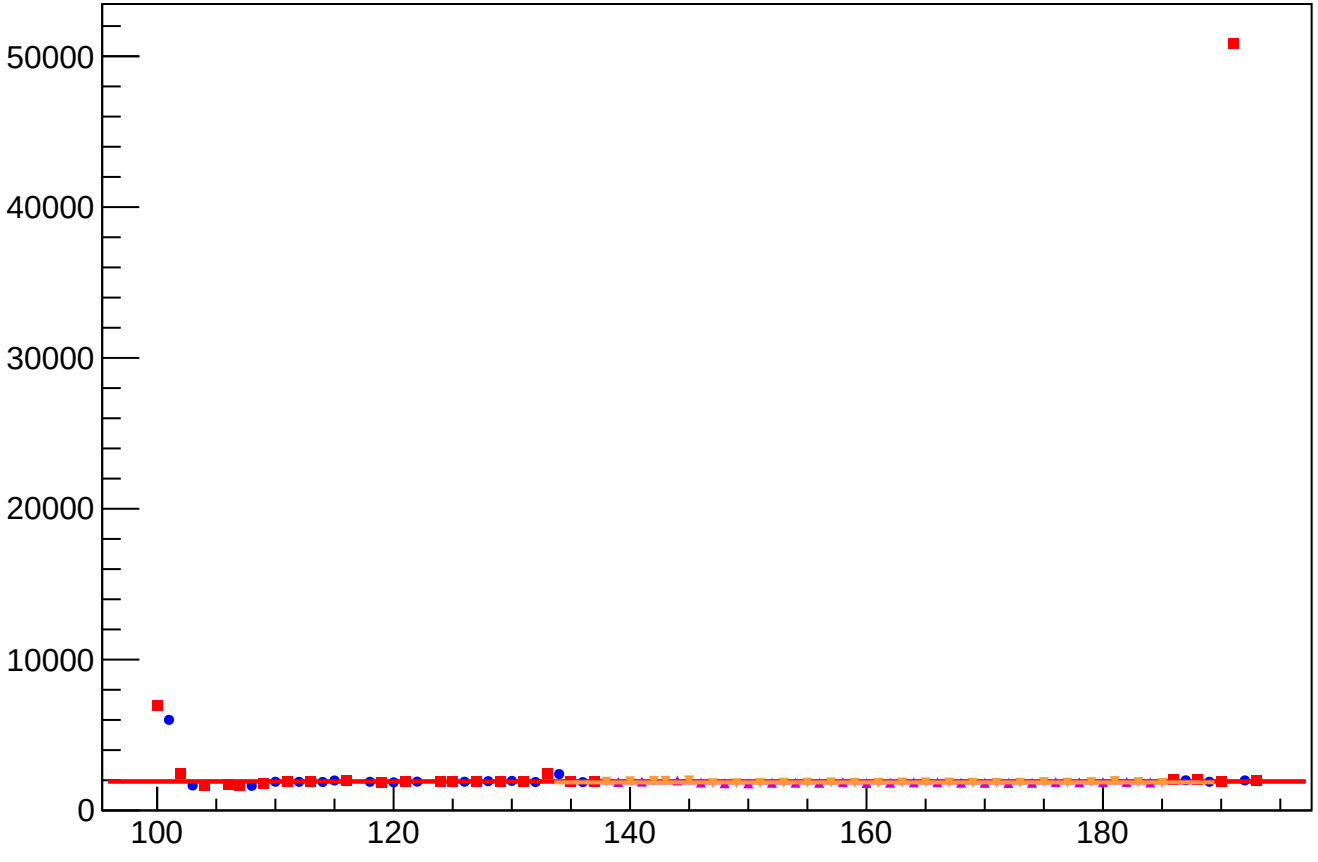
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

\+ sign 146.568+/-355.529 χ^2/NDF: 47.5/43

All: 185.127+/-251.368 χ^2/NDF: 89.8/90

\- sign 223.669+/-355.449 χ^2/NDF: 42.3/46

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: 1921.851+/-0.438 χ^2/NDF: 377889.6/23

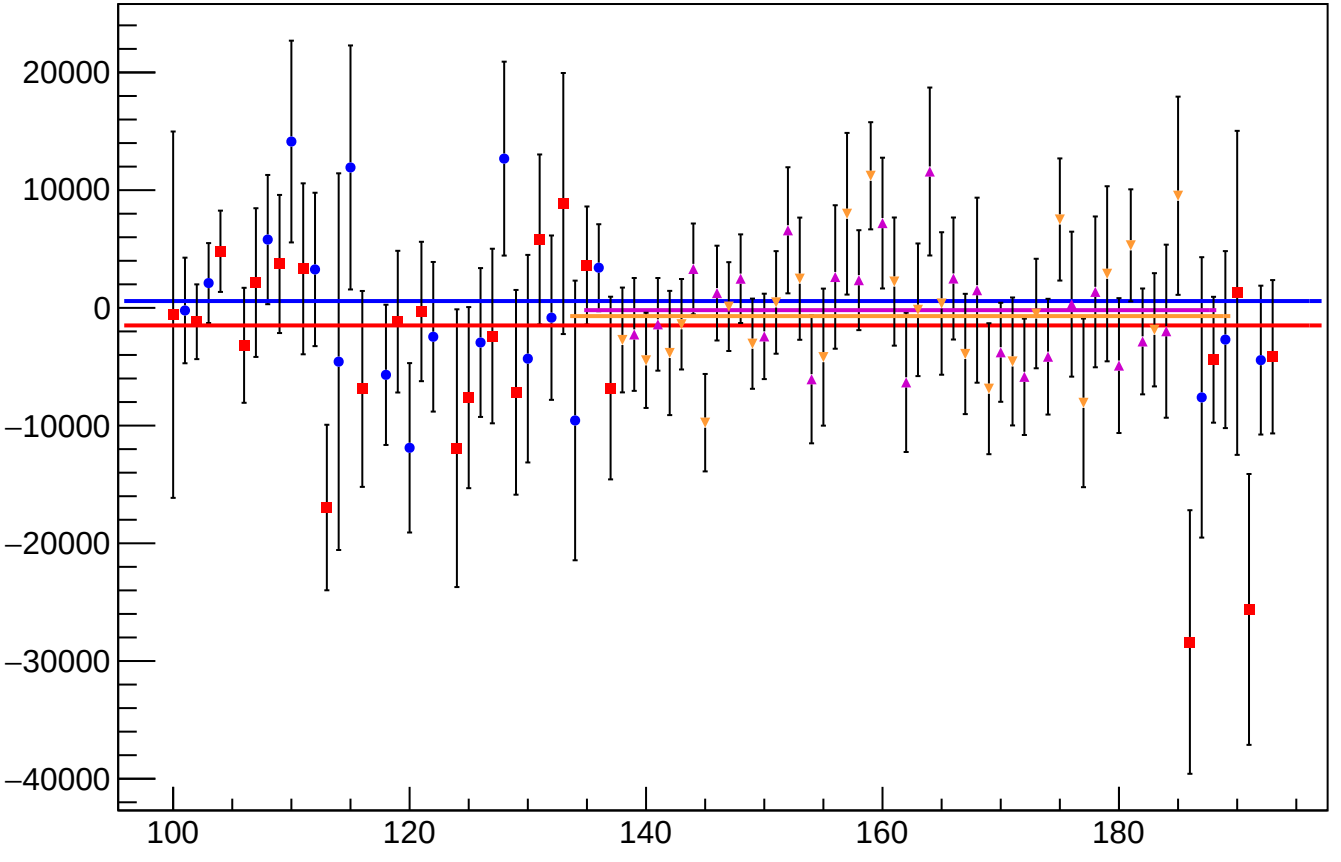
Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1879.392+/-0.251 χ^2/NDF: 737523.4/43

All: 1879.090+/-0.178 χ^2/NDF: 1146207.1/90

- sign 1878.789+/-0.251 χ^2/NDF: 408680.8/46

asym_atr_dd_dit_correction_mean vs Slug



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: -1491.974+/-1278.774 χ^2/NDF: 26.3/23

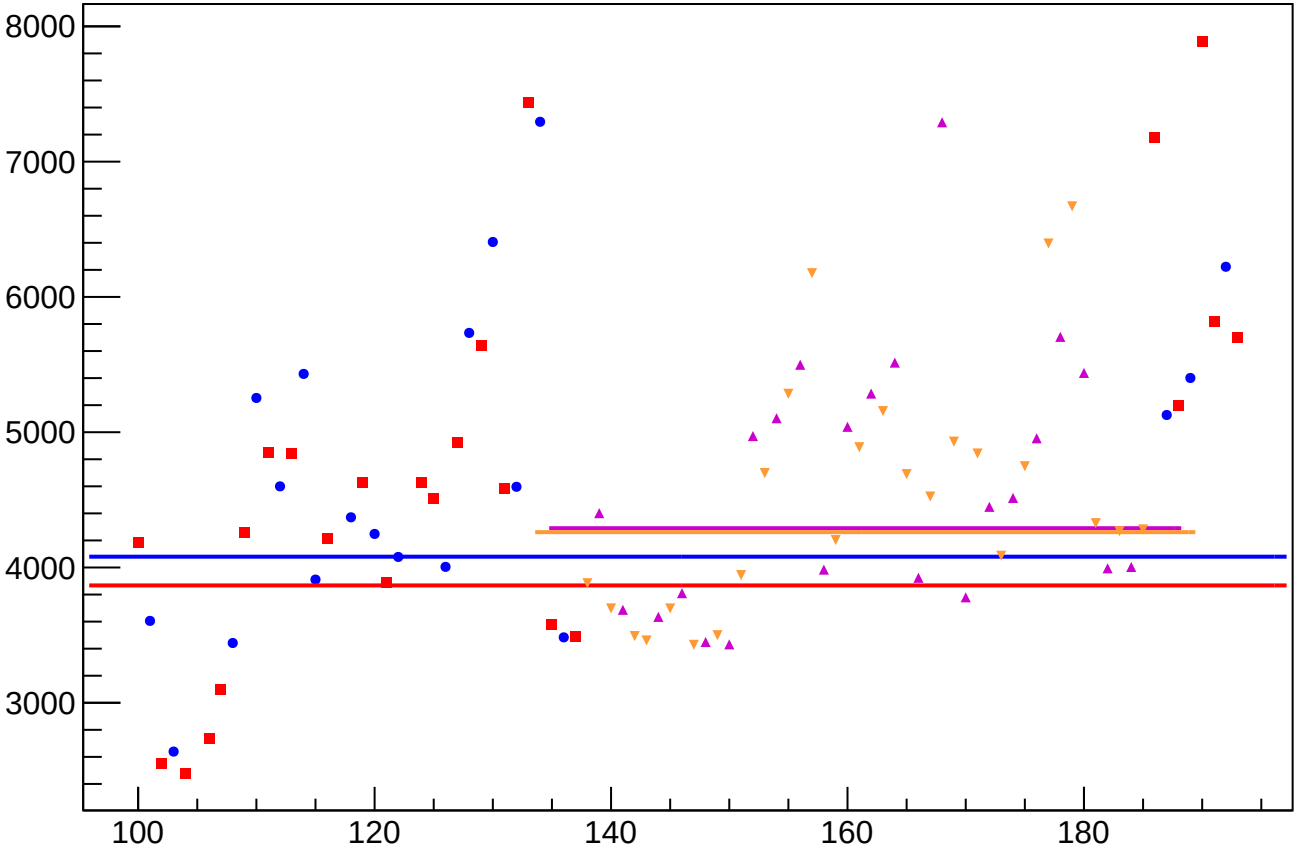
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -280.566+/-812.227 χ^2/NDF: 40.7/43

All: -493.465+/-569.446 χ^2/NDF: 82.9/90

- sign -699.271+/-798.582 χ^2/NDF: 42.1/46

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: 3867.507+/-0.904 χ^2/NDF: 1993120.6/23

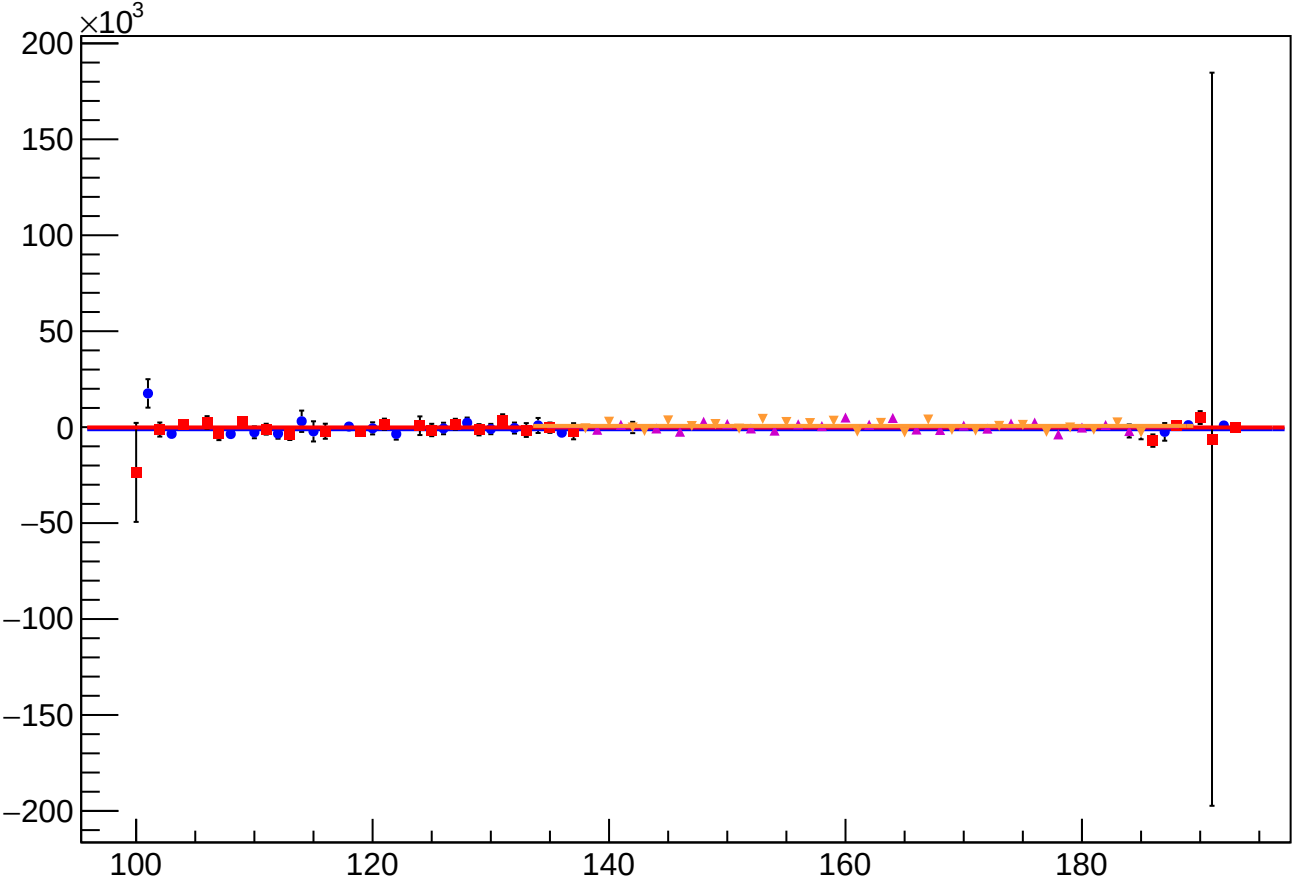
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4201.877+/-0.574 χ^2/NDF: 2429741.6/43

All: 4163.029+/-0.403 χ^2/NDF: 5779249.9/90

- sign 4125.476+/-0.565 χ^2/NDF: 3340510.3/46

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: -158.496+/-619.901 χ^2/NDF: 18.1/23

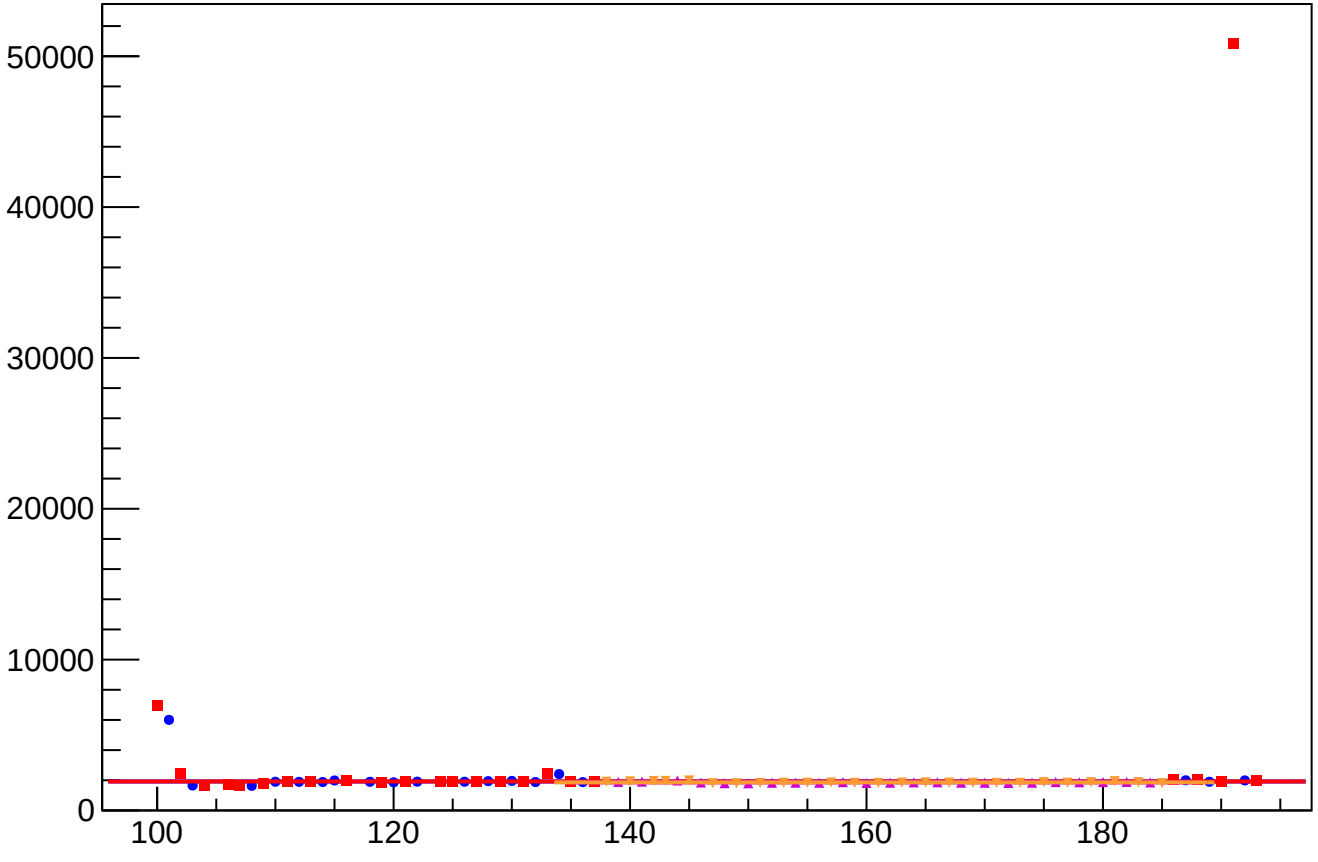
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 146.571+/-355.529 χ^2/NDF: 47.5/43

All: 185.130+/-251.369 χ^2/NDF: 89.8/90

- sign 223.671+/-355.449 χ^2/NDF: 42.3/46

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

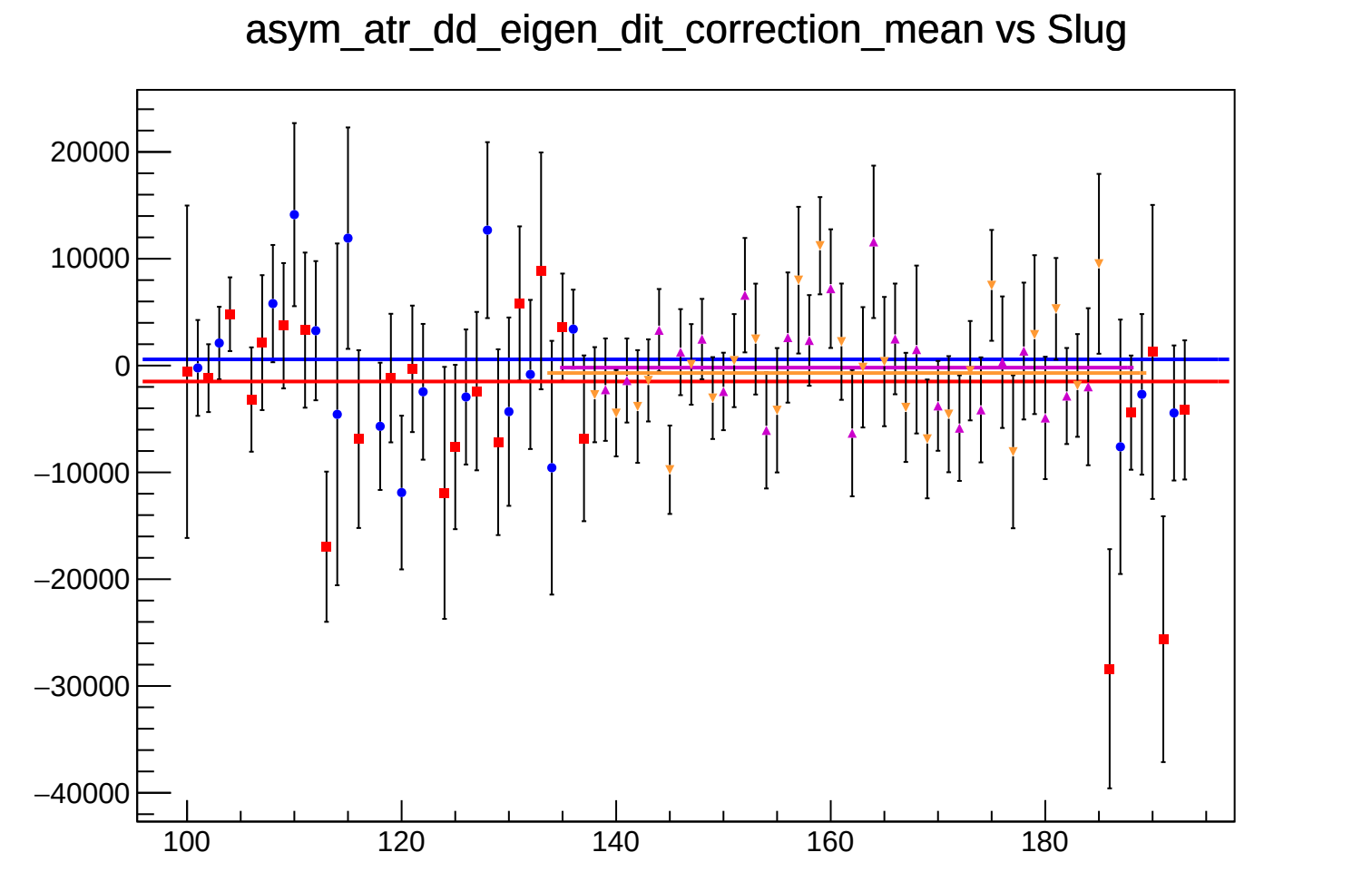
Right Out: 1921.851+/-0.438 χ^2/NDF: 377889.7/23

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1879.393+/-0.251 χ^2/NDF: 737522.9/43

All: 1879.091+/-0.178 χ^2/NDF: 1146206.2/90

- sign 1878.789+/-0.251 χ^2/NDF: 408680.4/46



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: -1491.972+/-1278.773 χ^2/NDF: 26.3/23

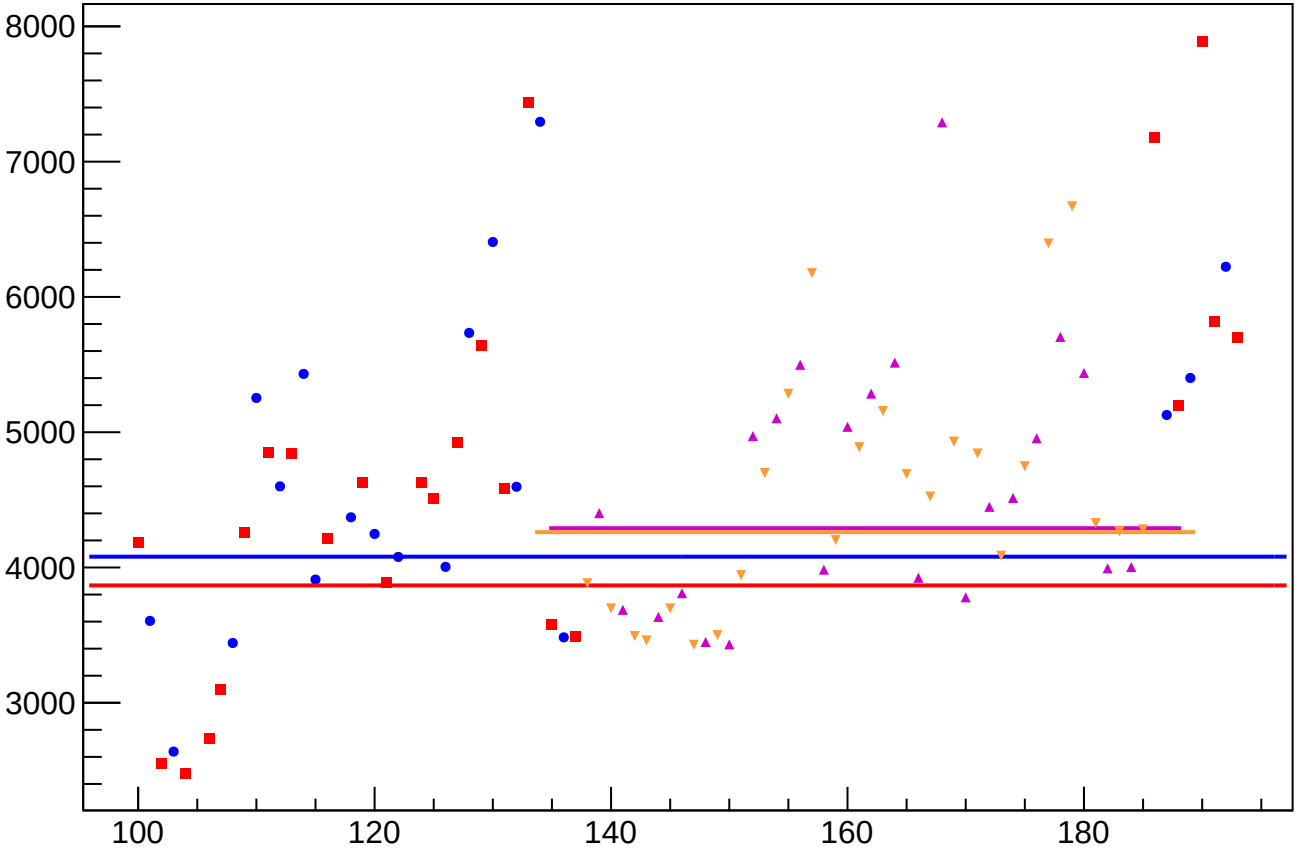
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -280.568+/-812.228 χ^2/NDF: 40.7/43

All: -493.467+/-569.446 χ^2/NDF: 82.9/90

- sign -699.273+/-798.582 χ^2/NDF: 42.1/46

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

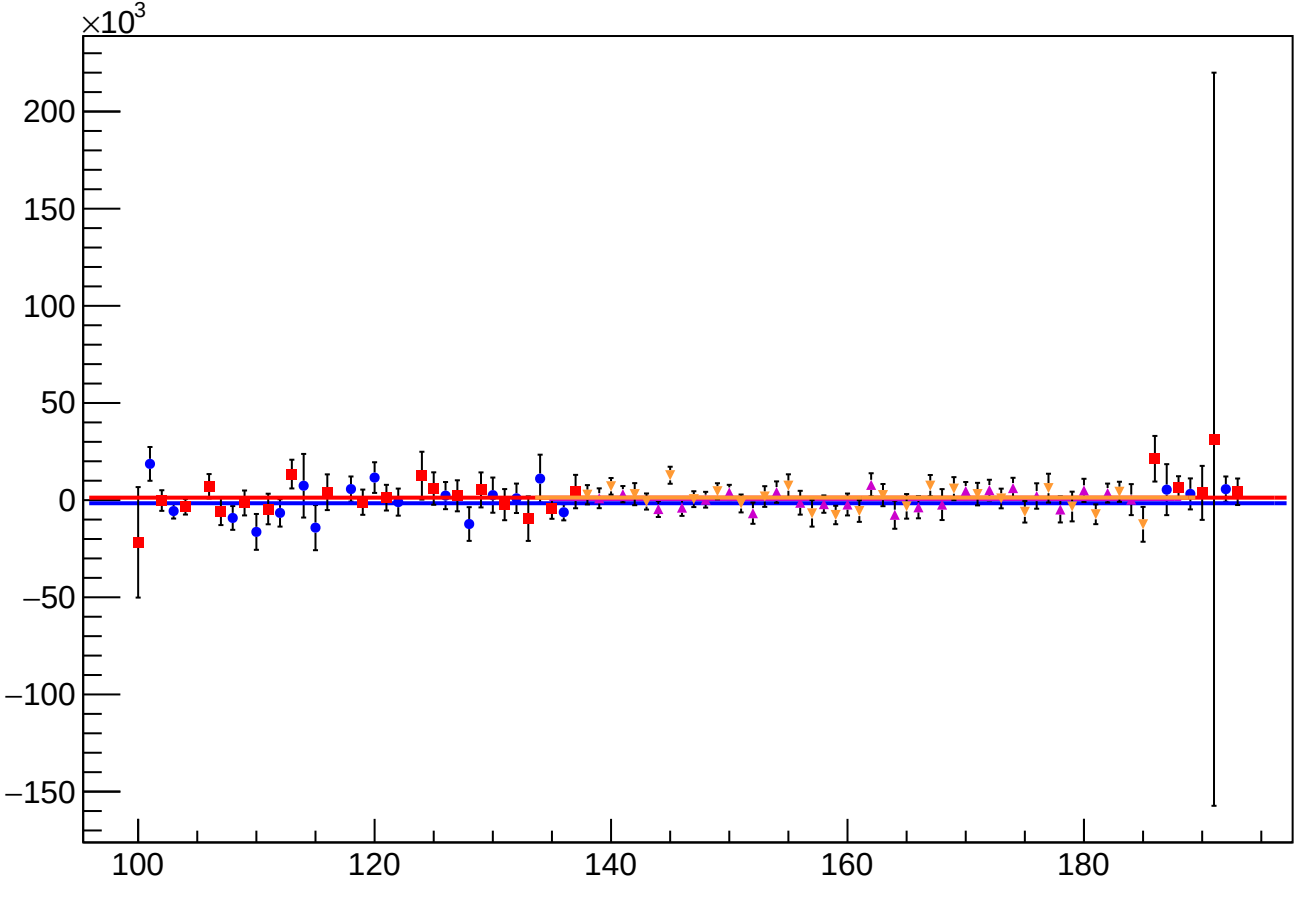
Right Out: 3867.504+/-0.904 χ^2/NDF: 1993112.9/23

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4201.881+/-0.574 χ^2/NDF: 2429738.7/43

All: 4163.032+/-0.403 χ^2/NDF: 5779251.3/90

- sign 4125.478+/-0.565 χ^2/NDF: 3340514.3/46



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: 1280.994+/-1500.368 χ^2/NDF: 15.1/23

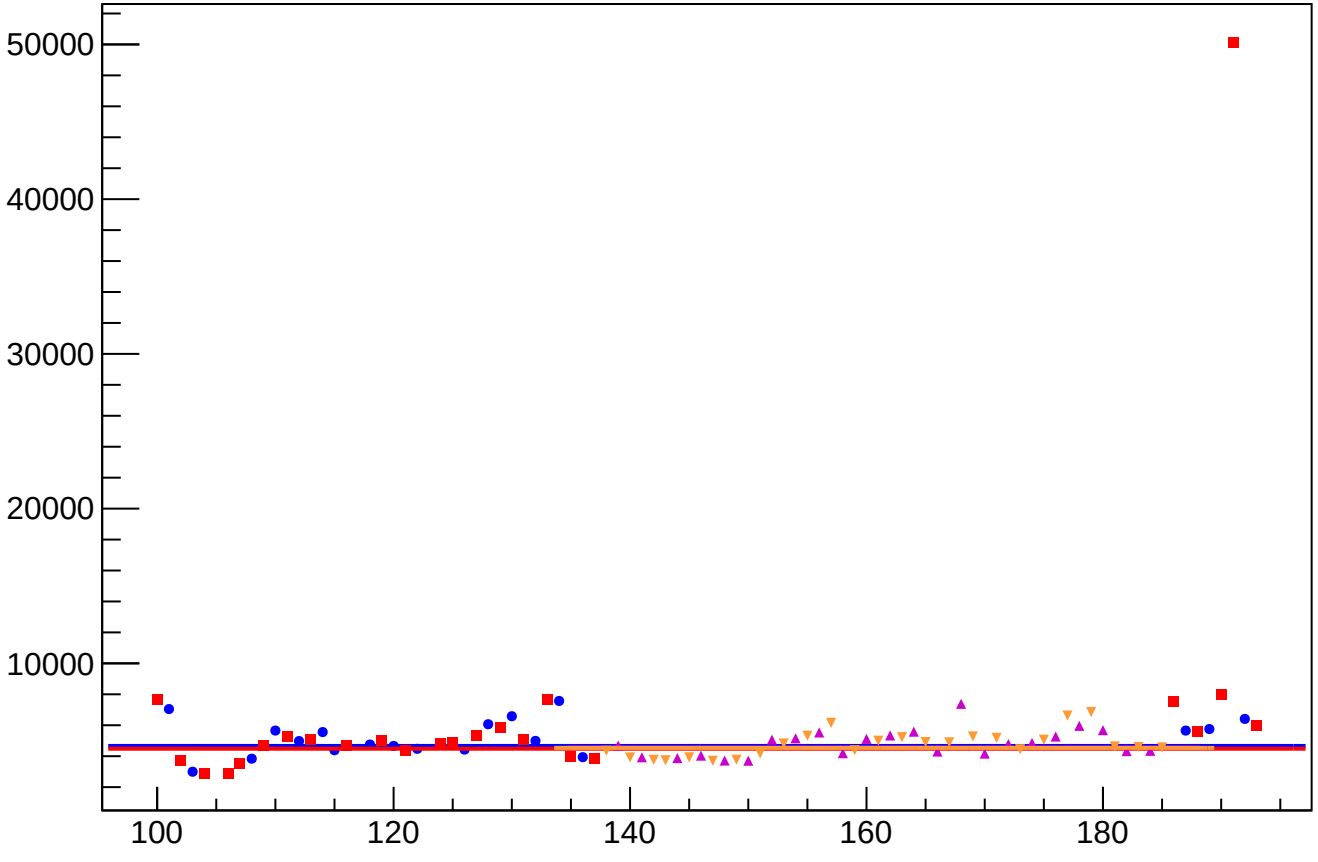
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

\+ sign 438.643+/-880.092 χ^2/NDF: 53.7/43

All: 628.610+/-621.460 χ^2/NDF: 83.5/90

\- sign 817.531+/-877.667 χ^2/NDF: 29.7/46

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

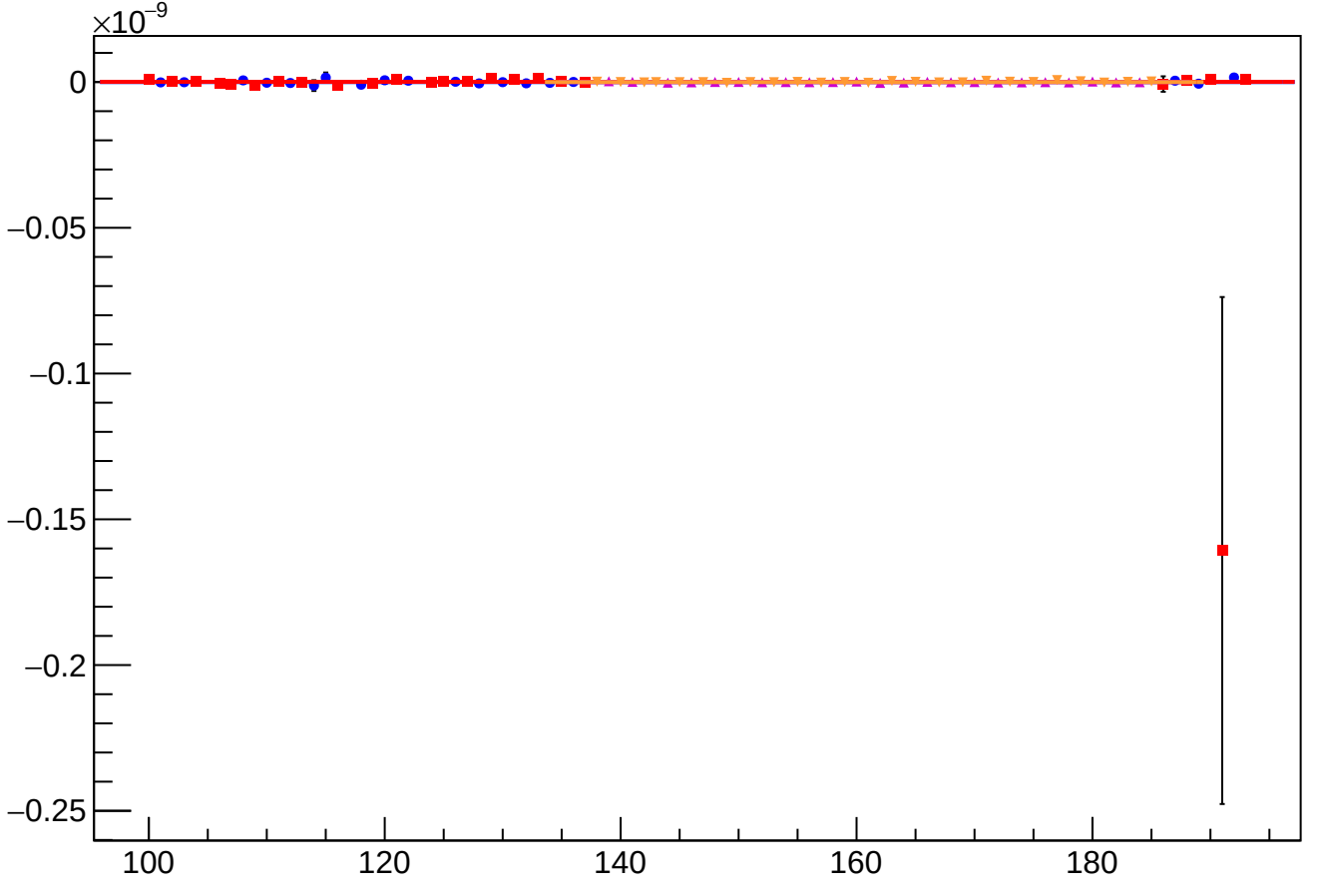
Right Out: 4484.022+/-1.054 χ^2/NDF: 1462240.5/23

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4574.673+/-0.622 χ^2/NDF: 2110355.2/43

All: 4554.278+/-0.439 χ^2/NDF: 4558384.6/90

- sign 4534.092+/-0.619 χ^2/NDF: 2445892.3/46



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: 28.9/23

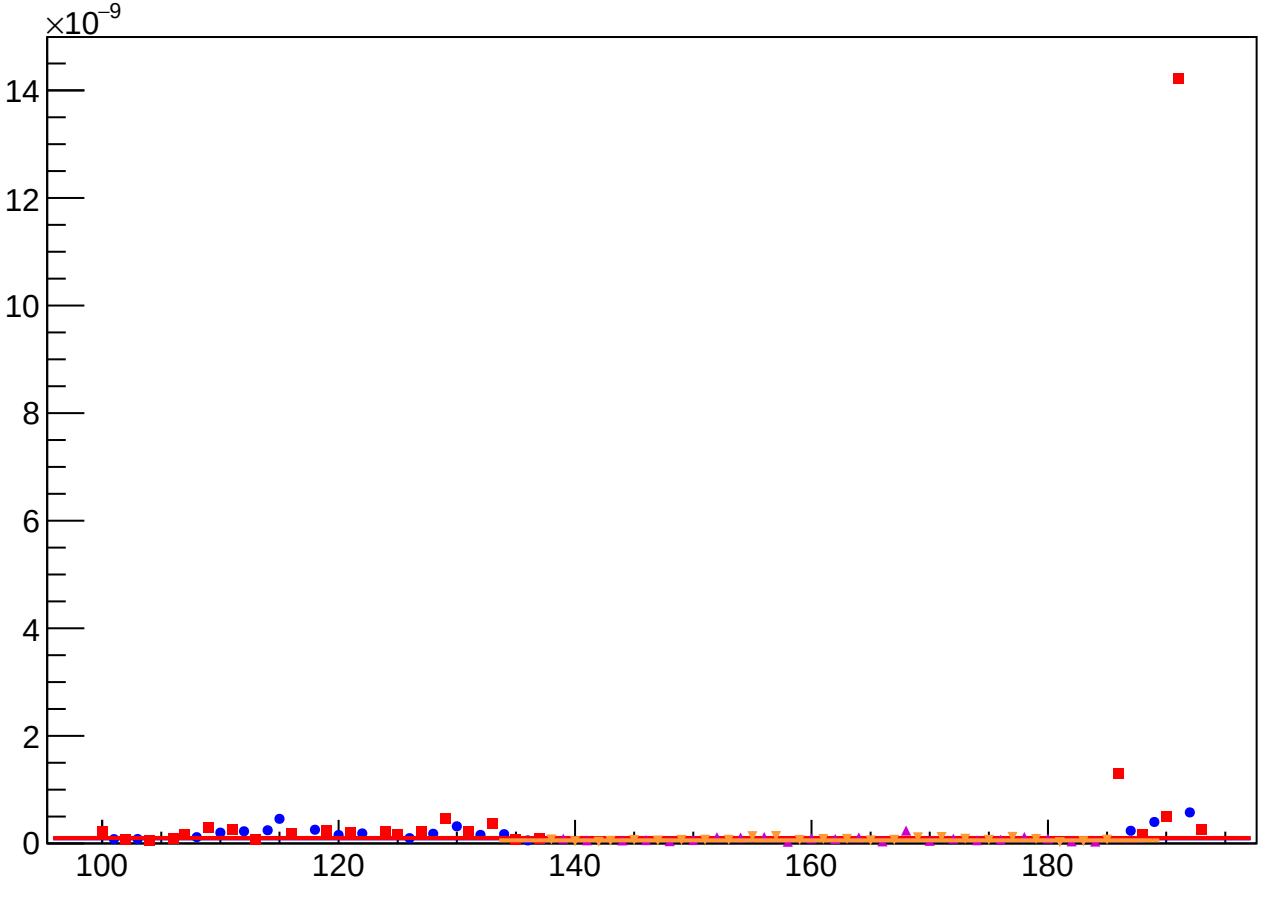
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.6/43

All: -0.000+/-0.000 χ^2/NDF: 106.4/90

- sign -0.000+/-0.000 χ^2/NDF: 51.2/46

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: 2668708.8/23

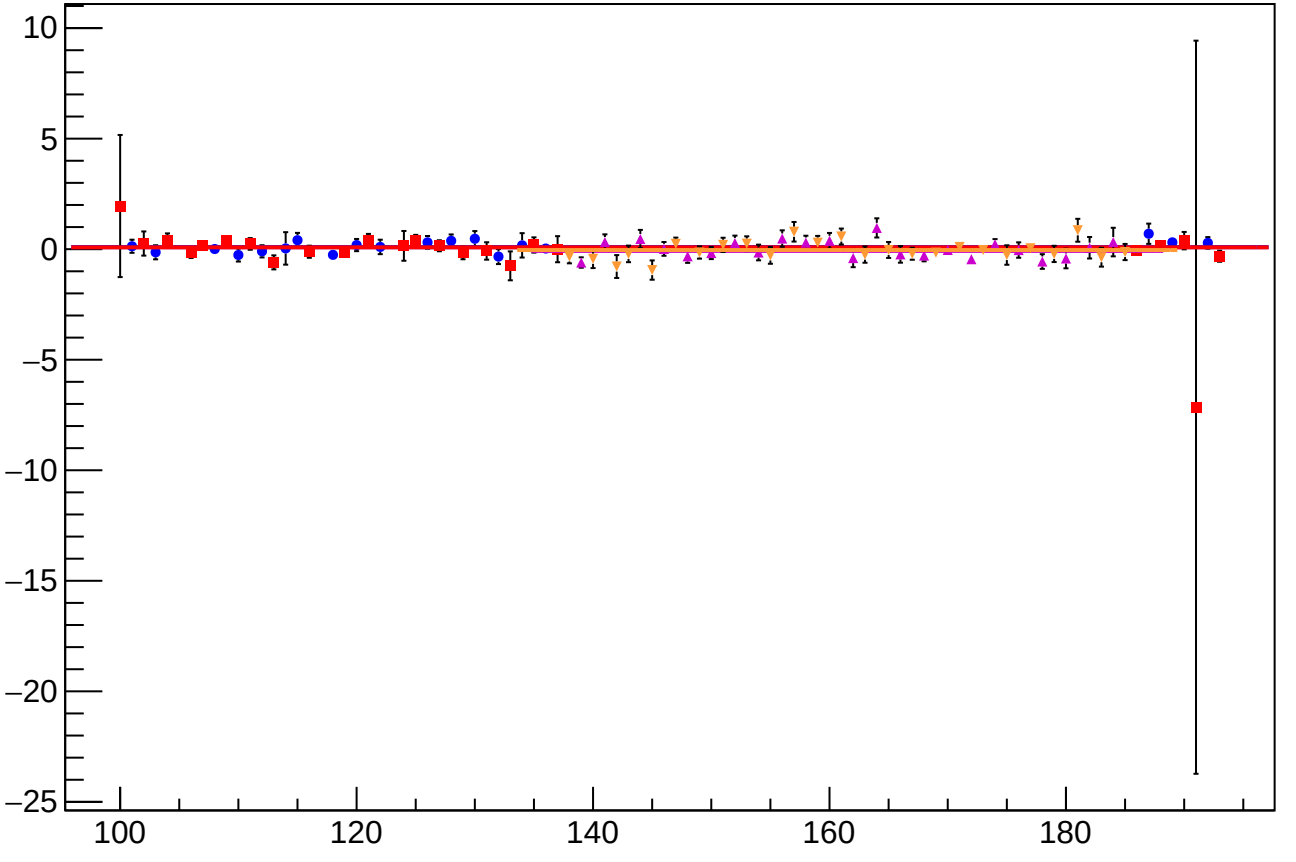
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4671036.9/43

All: 0.000+/-0.000 χ^2/NDF: 10181350.4/90

- sign 0.000+/-0.000 χ^2/NDF: 5506439.3/46

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: 0.083+/-0.056 χ^2/NDF: 22.1/23

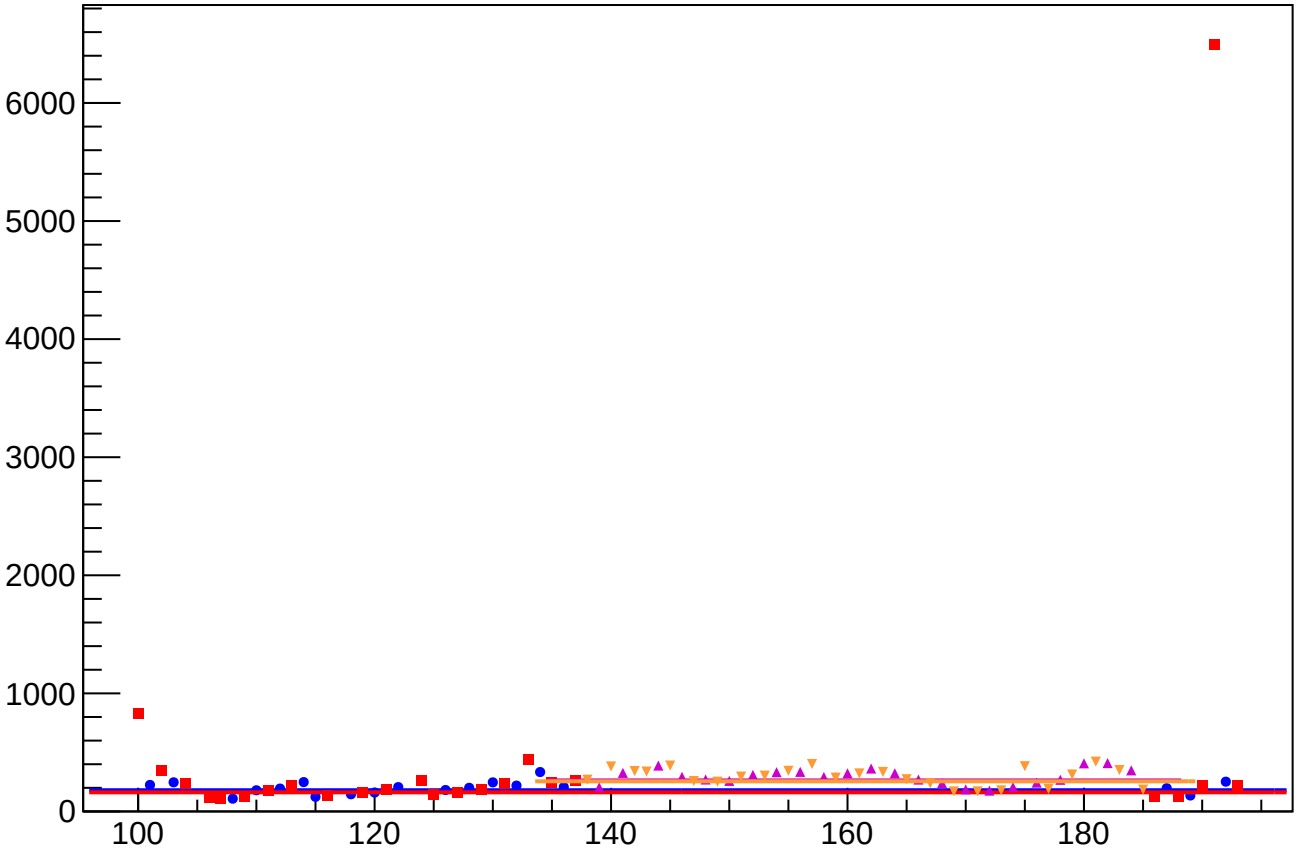
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.044 χ^2/NDF: 41.3/43

All: 0.020+/-0.031 χ^2/NDF: 98.0/90

- sign 0.014+/-0.042 χ^2/NDF: 56.7/46

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: 161.987+/-0.040 χ^2/NDF: 2048558.4/23

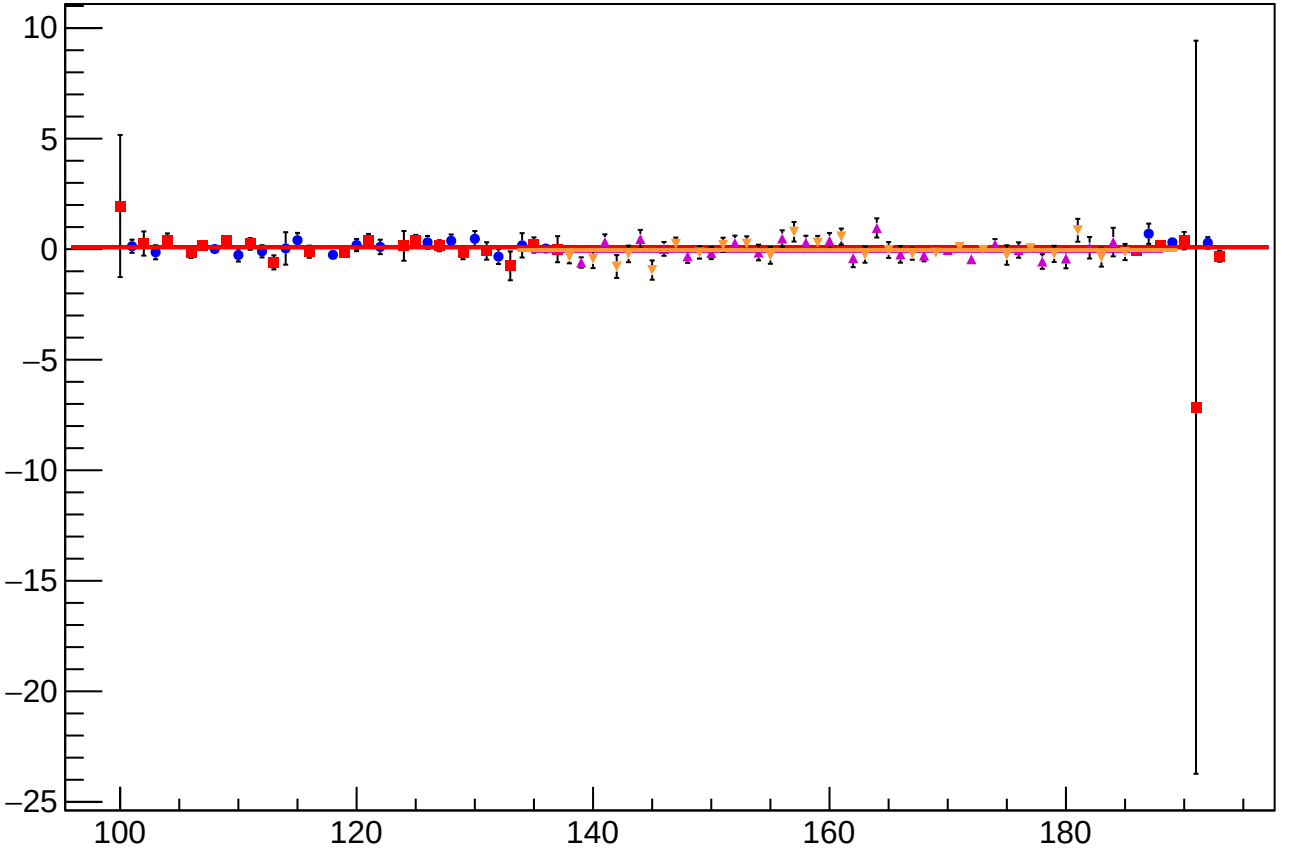
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 218.585+/-0.031 χ^2/NDF: 5565798.0/43

All: 211.524+/-0.022 χ^2/NDF: 12499815.7/90

- sign 205.079+/-0.030 χ^2/NDF: 6837297.8/46

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: 0.083+/-0.056 χ^2/NDF: 22.1/23

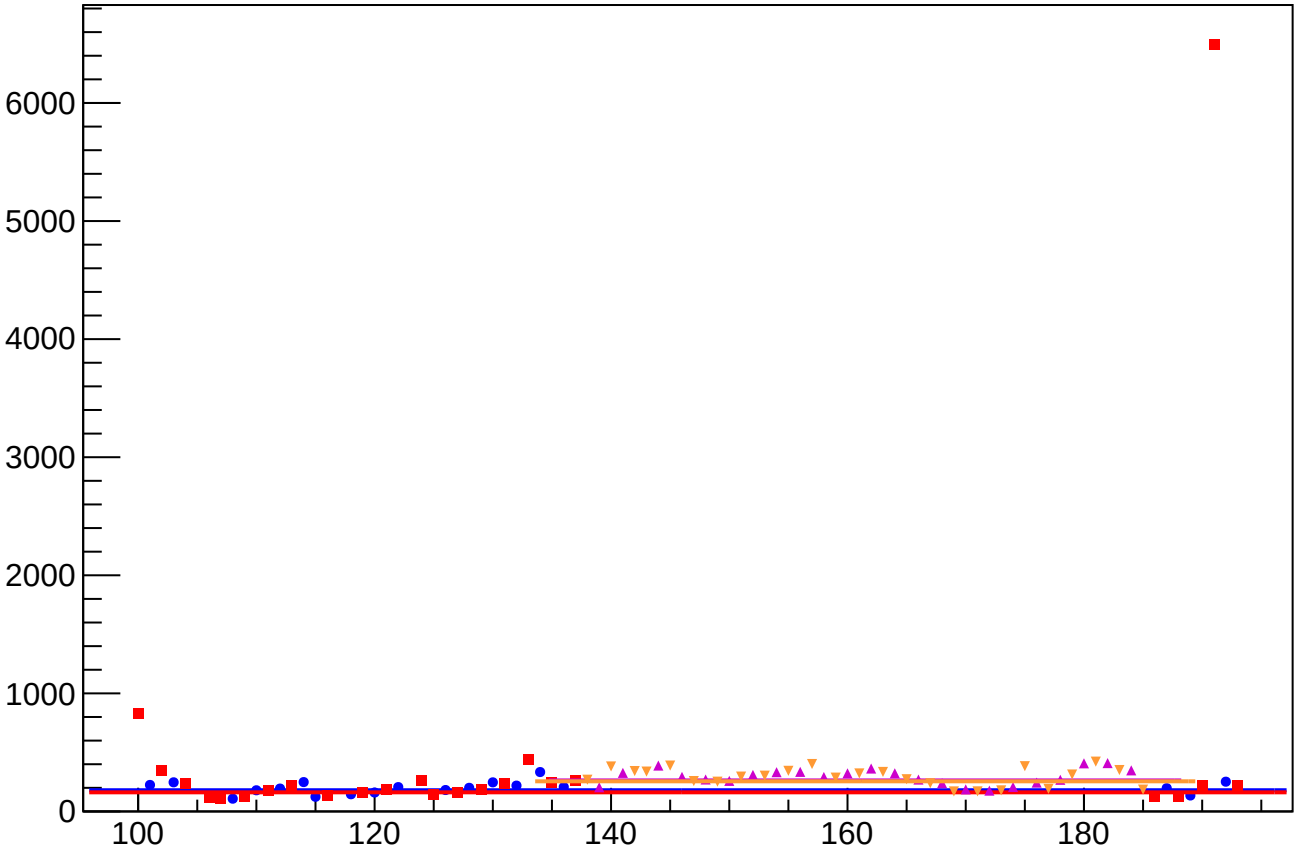
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.044 χ^2/NDF: 41.3/43

All: 0.020+/-0.031 χ^2/NDF: 98.0/90

- sign 0.014+/-0.042 χ^2/NDF: 56.7/46

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

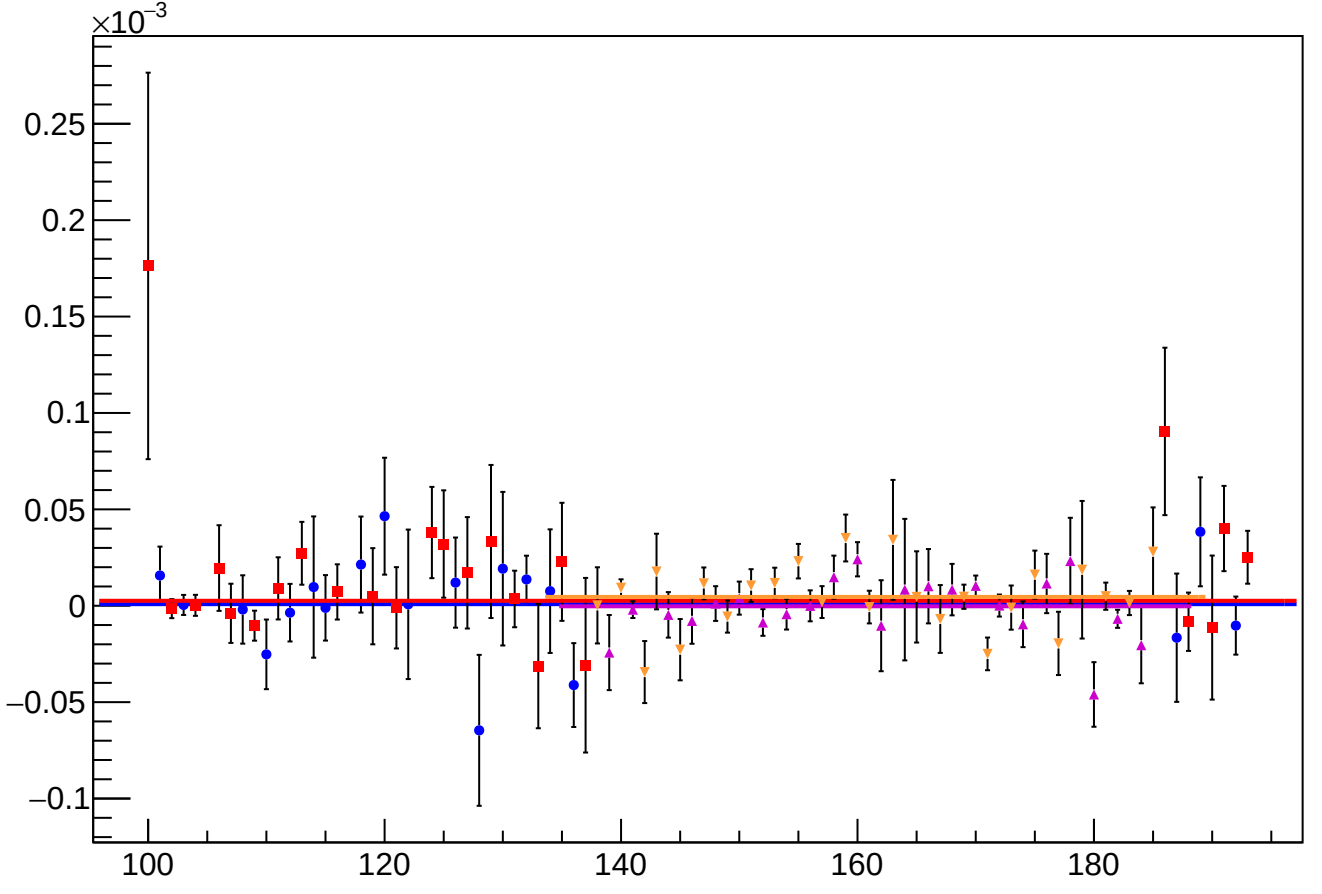
Right Out: 161.987+/-0.040 χ^2/NDF: 2048558.4/23

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 218.585+/-0.031 χ^2/NDF: 5565798.0/43

All: 211.524+/-0.022 χ^2/NDF: 12499815.7/90

- sign 205.079+/-0.030 χ^2/NDF: 6837297.8/46



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

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

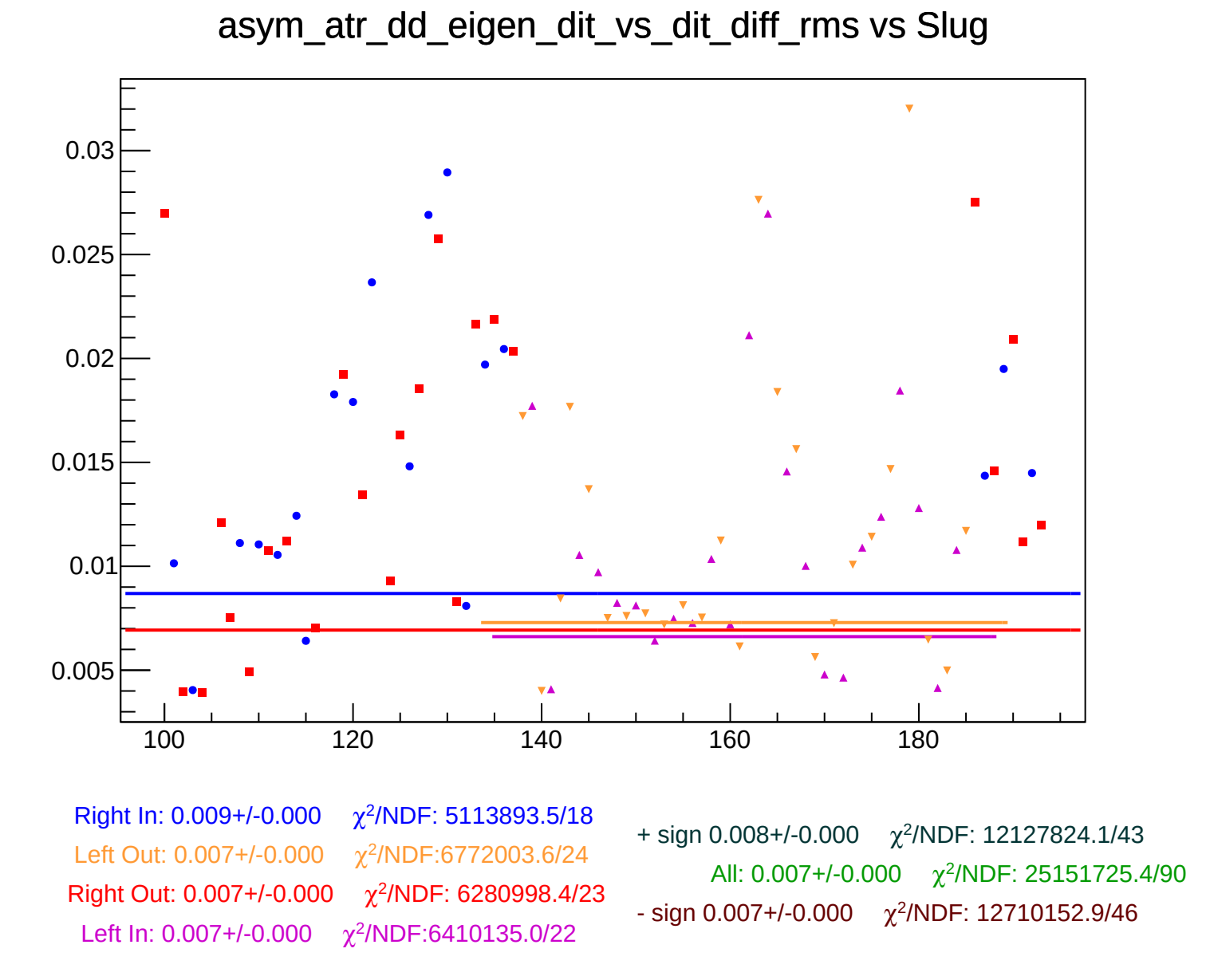
Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/23

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

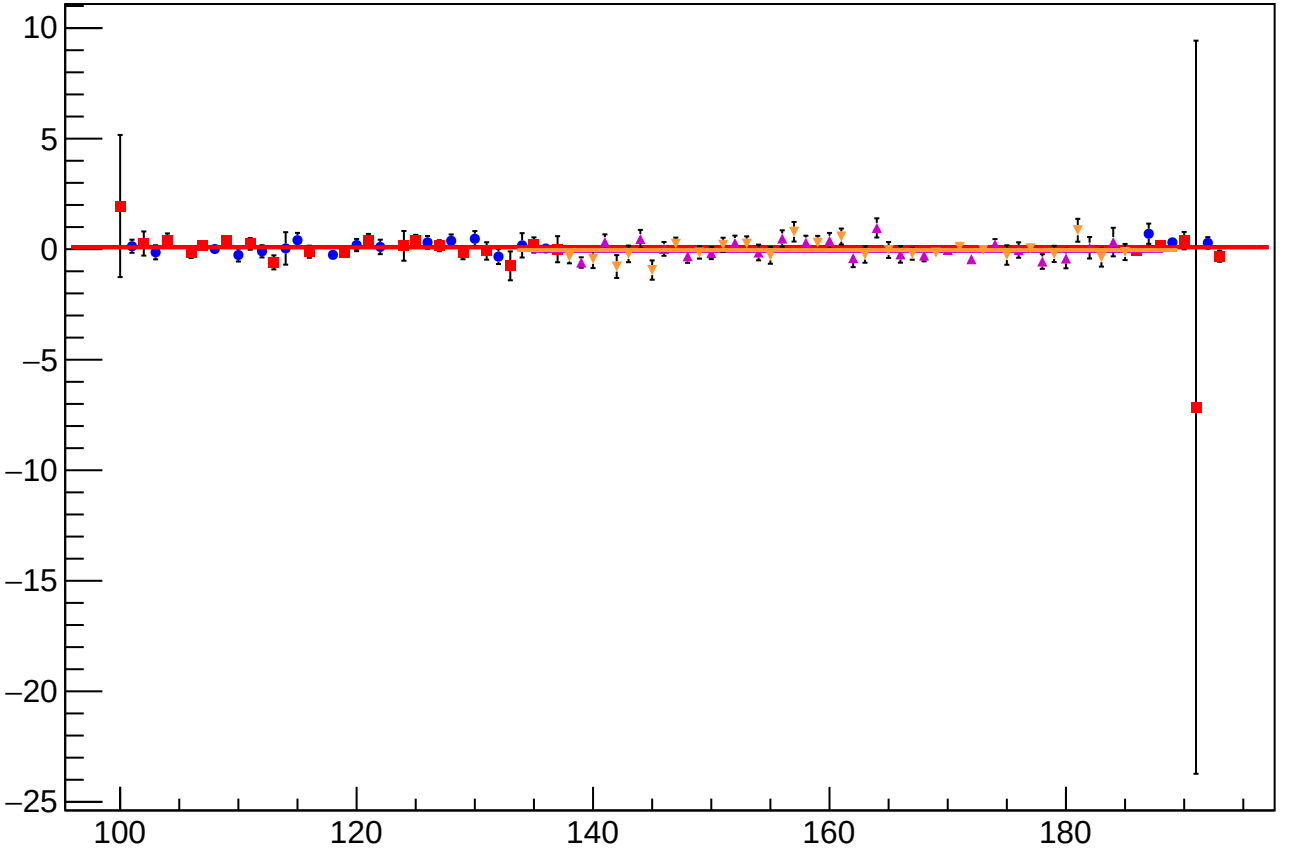
+ sign 0.000+/-0.000 χ^2/NDF: 61.1/43

All: 0.000+/-0.000 χ^2/NDF: 121.7/90

- sign 0.000+/-0.000 χ^2/NDF: 58.6/46


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: 6280998.4/23
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: 25151725.4/90
- sign 0.007+/-0.000 χ²/NDF: 12710152.9/46

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: 0.083+/-0.056 χ^2/NDF: 22.1/23

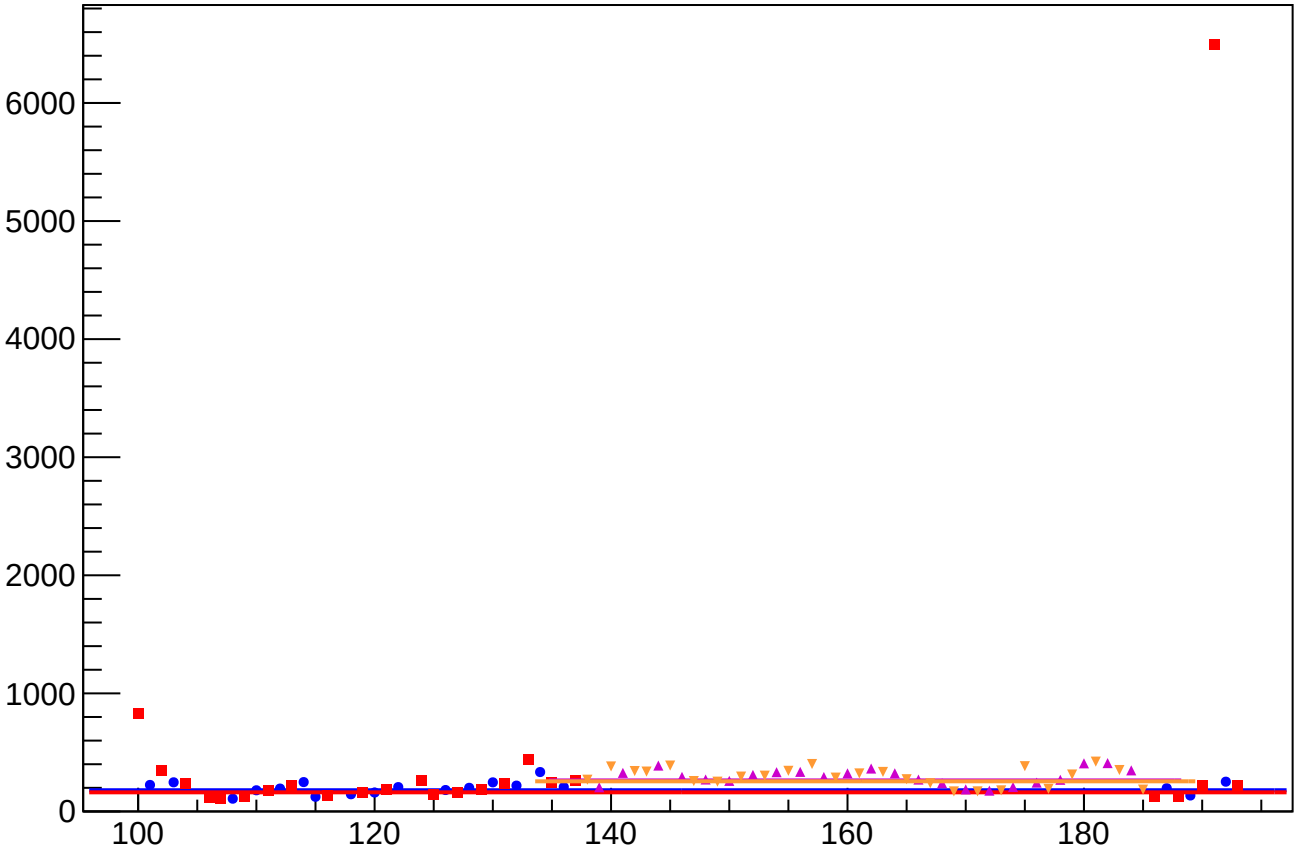
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.044 χ^2/NDF: 41.3/43

All: 0.020+/-0.031 χ^2/NDF: 98.0/90

- sign 0.014+/-0.042 χ^2/NDF: 56.7/46

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: 161.988+/-0.040 χ^2/NDF: 2048481.2/23

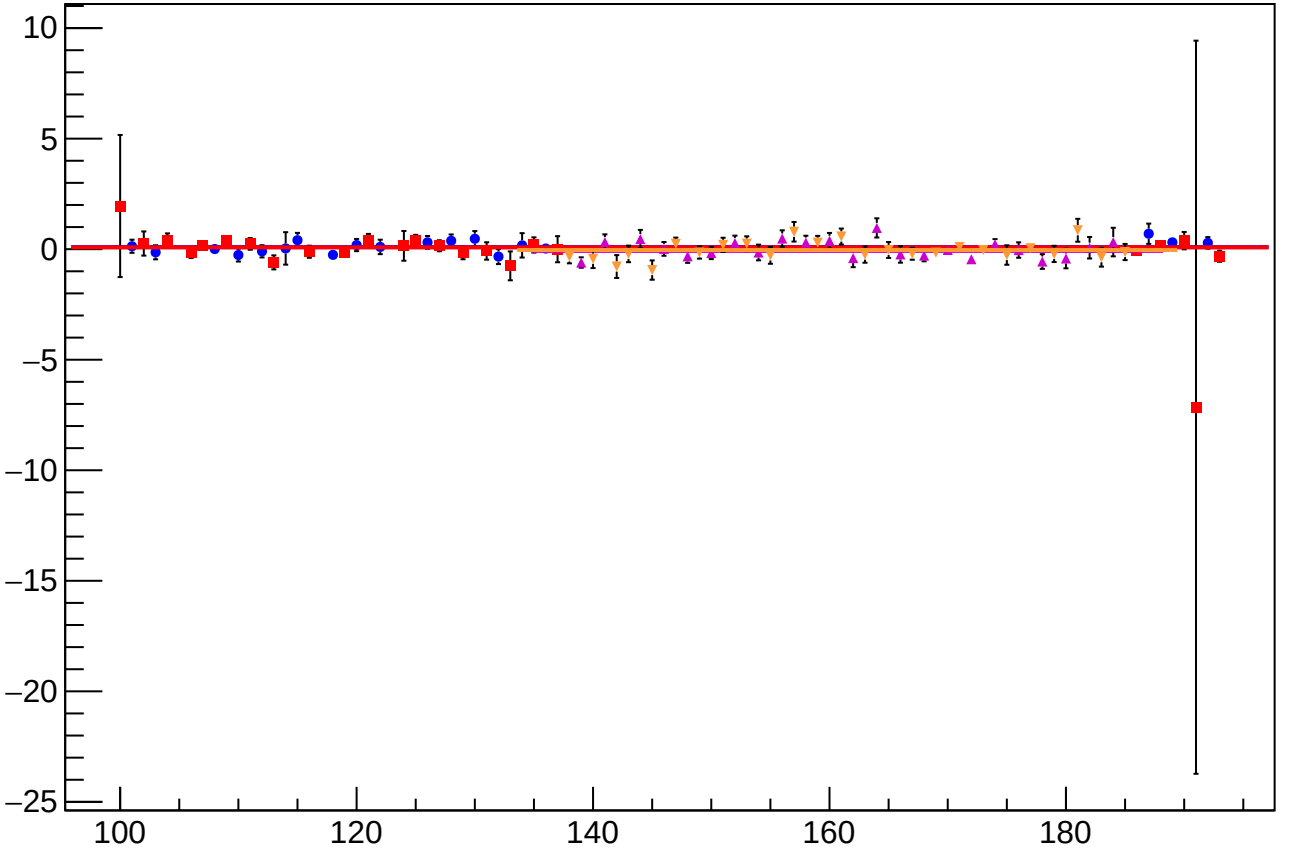
Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 218.585+/-0.031 χ^2/NDF: 5565955.2/43

All: 211.525+/-0.022 χ^2/NDF: 12499943.7/90

- sign 205.081+/-0.030 χ^2/NDF: 6837287.2/46

asym_atr_dd_eigen_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: 0.083+/-0.056 χ^2/NDF: 22.1/23

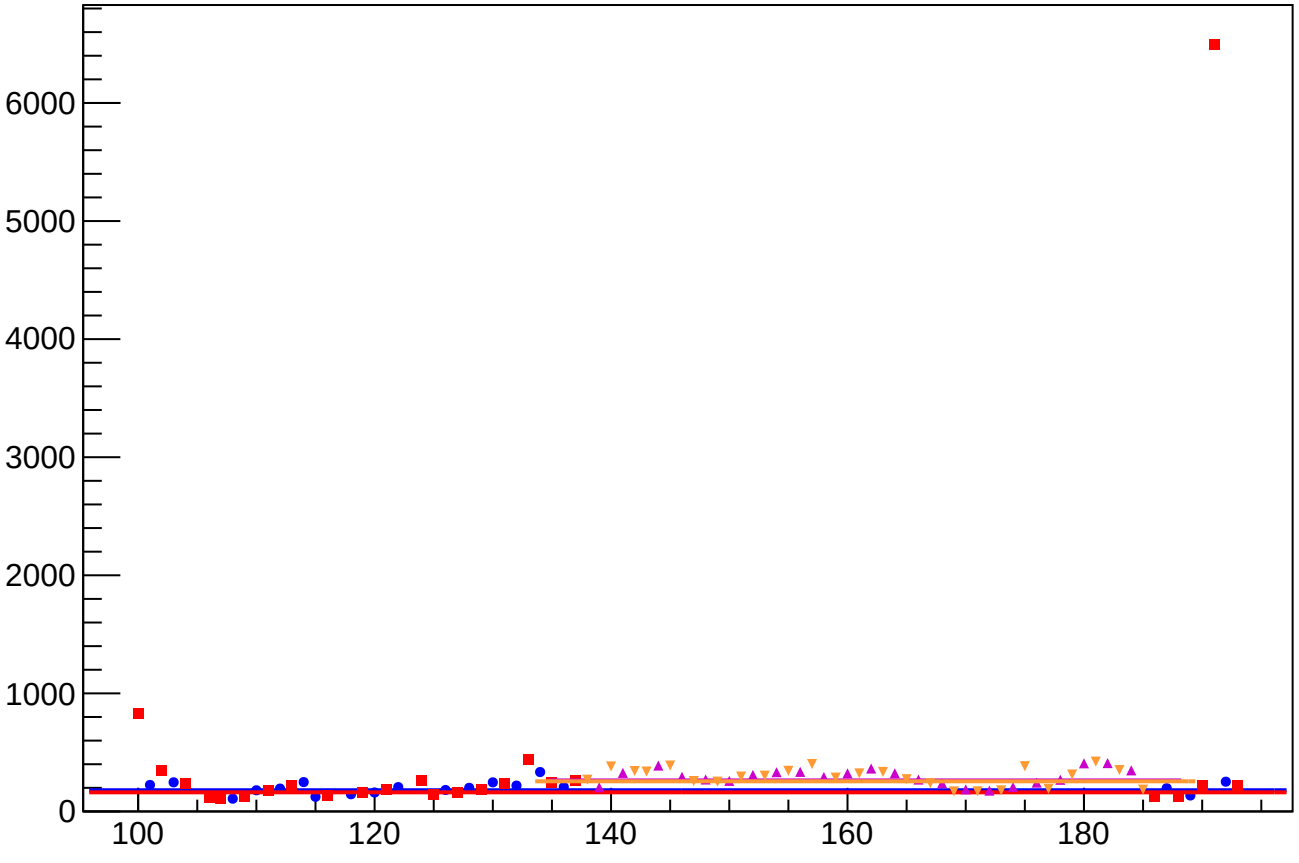
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.044 χ^2/NDF: 41.3/43

All: 0.020+/-0.031 χ^2/NDF: 98.0/90

- sign 0.014+/-0.042 χ^2/NDF: 56.7/46

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

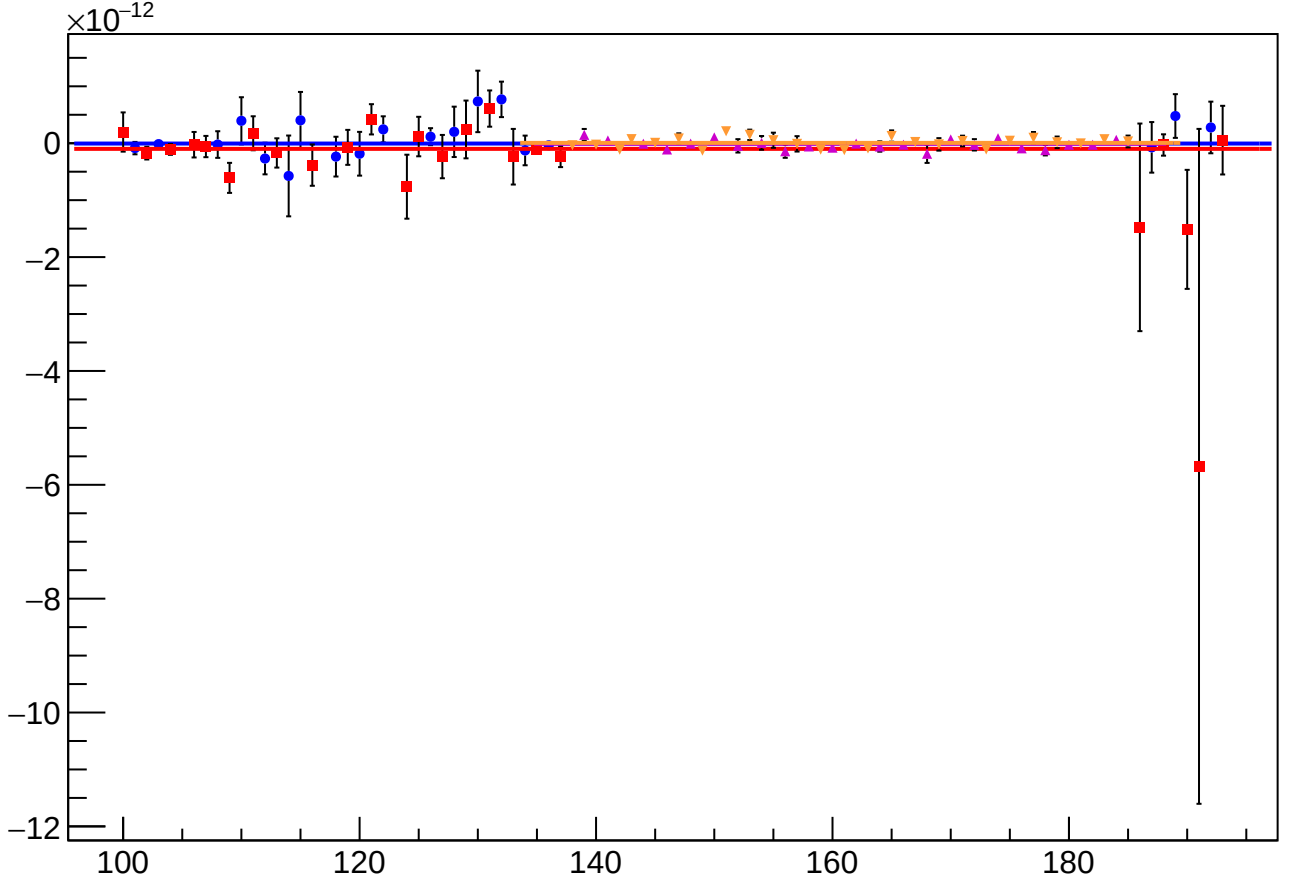
Right Out: 161.988+/-0.040 χ^2/NDF: 2048481.2/23

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 218.585+/-0.031 χ^2/NDF: 5565955.2/43

All: 211.525+/-0.022 χ^2/NDF: 12499943.7/90

- sign 205.081+/-0.030 χ^2/NDF: 6837287.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

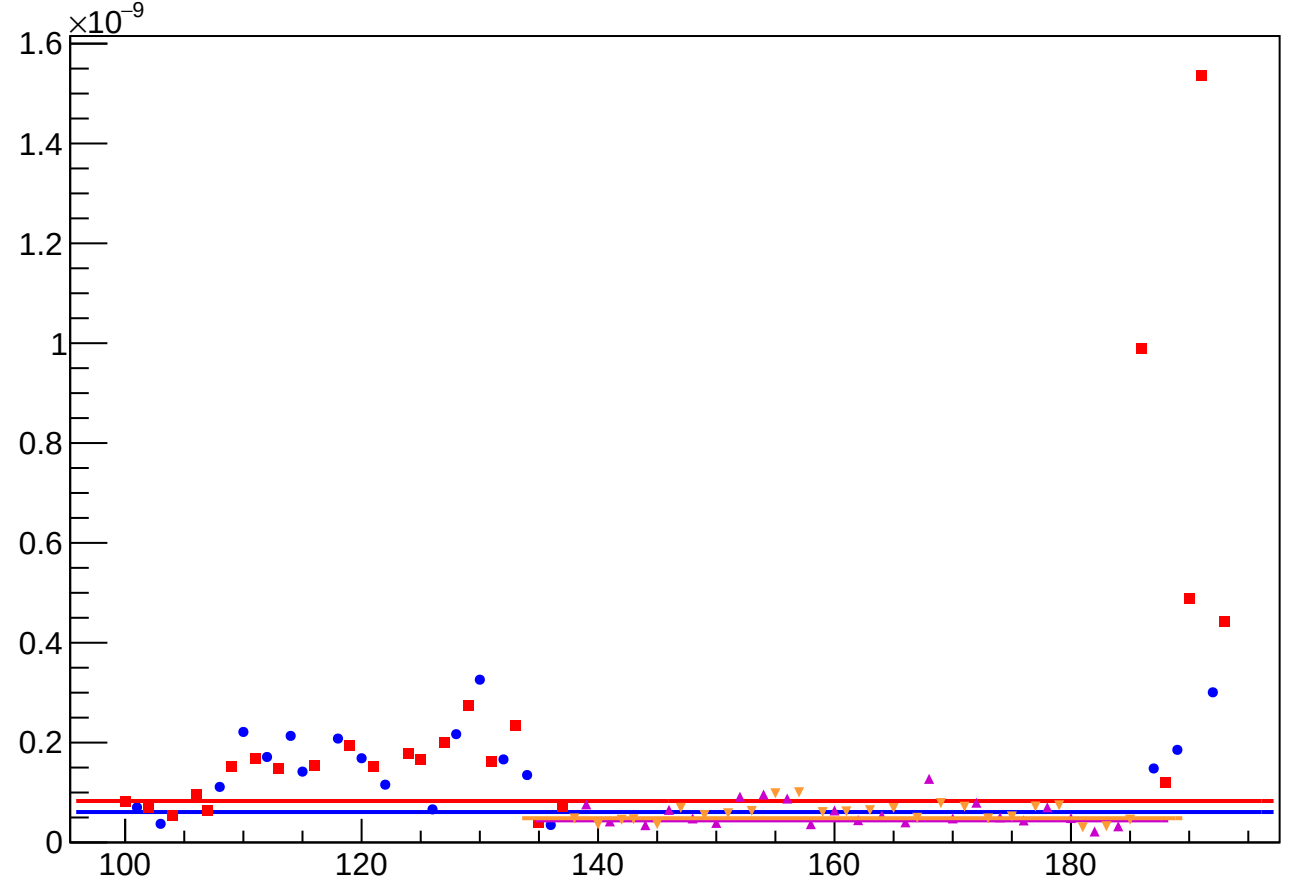
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/23

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: 96.6/90

- sign -0.000+/-0.000 χ^2/NDF: 47.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 4184590.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4467899.6/23

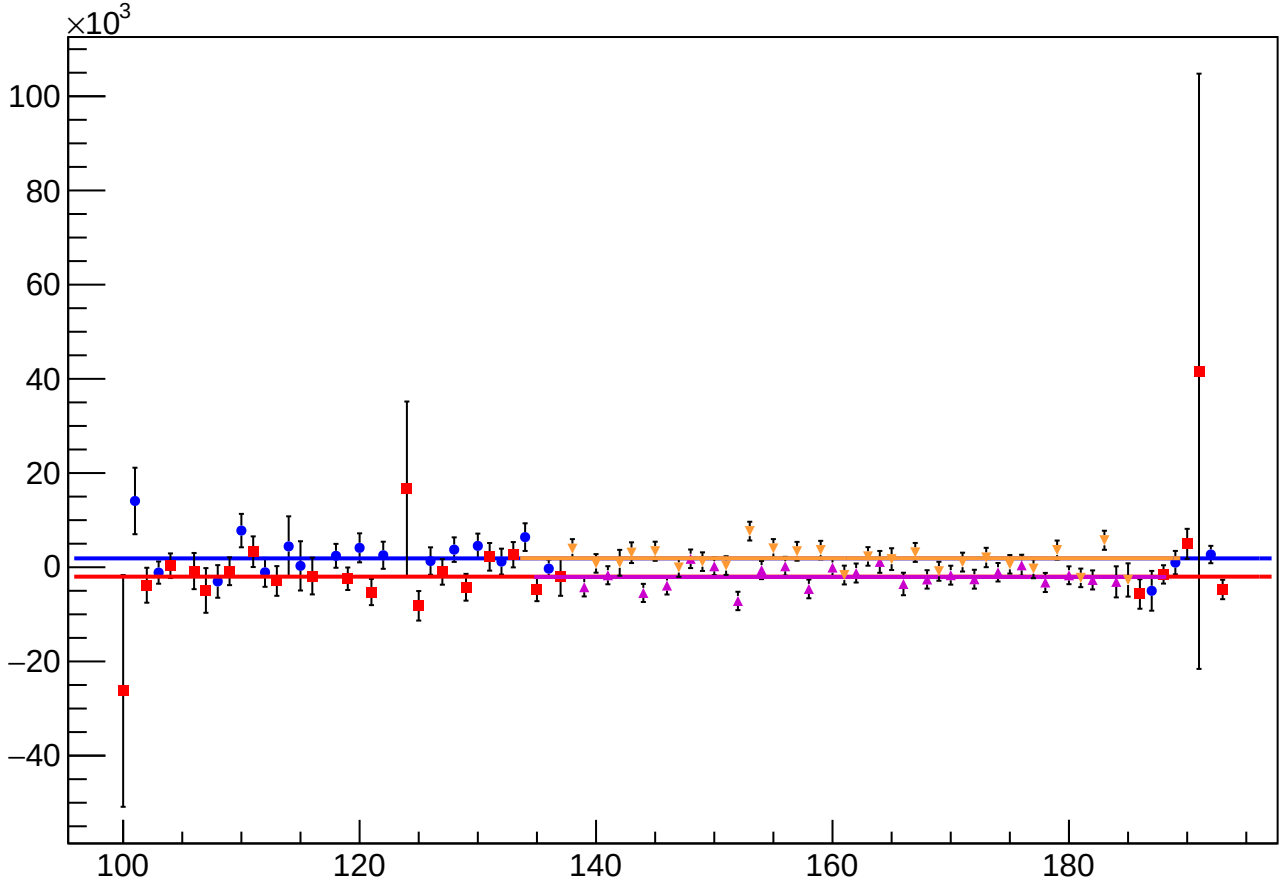
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6894082.7/43

All: 0.000+/-0.000 χ^2/NDF: 16627865.5/90

- sign 0.000+/-0.000 χ^2/NDF: 9706889.4/46

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: -1998.183+/-627.361 χ^2/NDF: 27.0/23

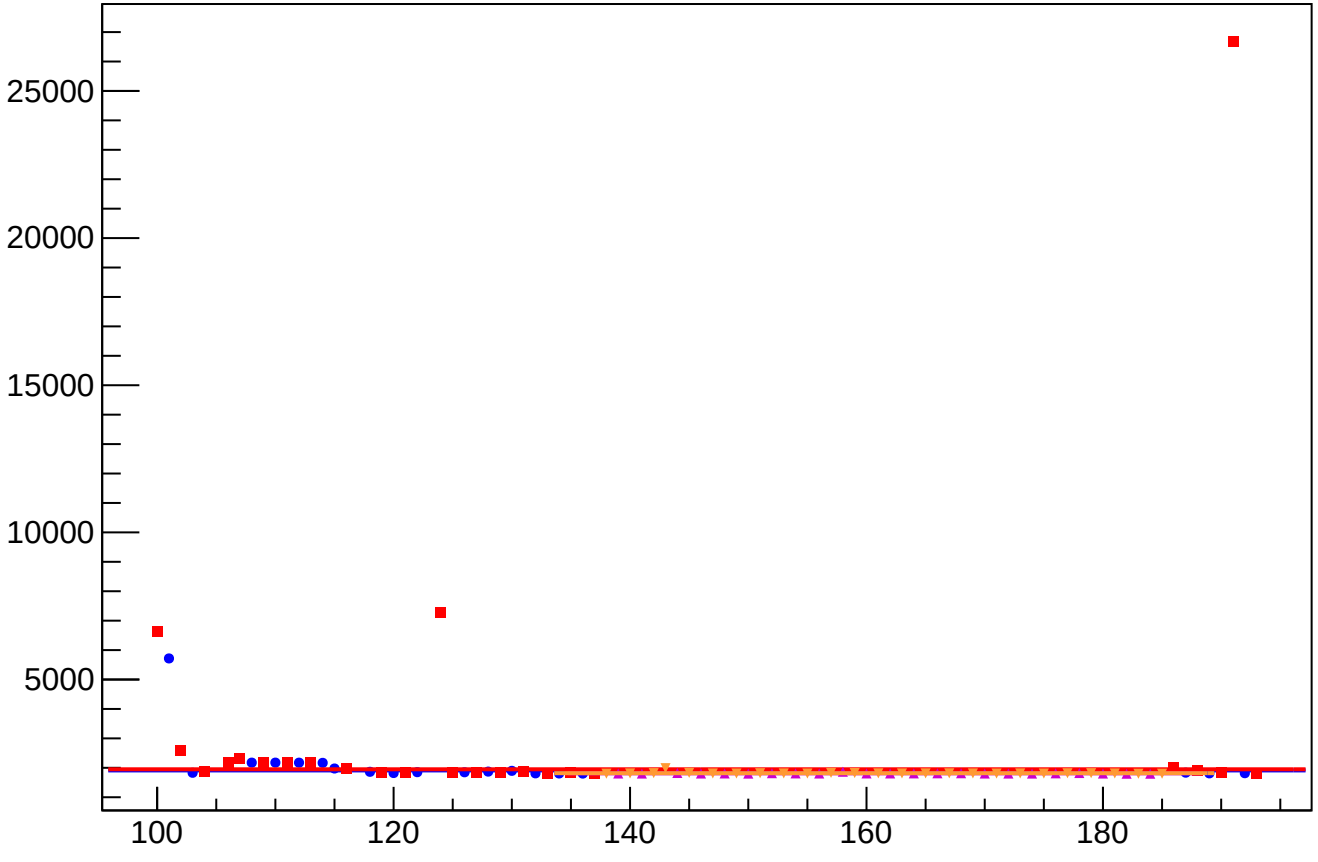
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1909.321+/-348.744 χ^2/NDF: 52.0/43

All: -58.692+/-247.337 χ^2/NDF: 169.6/90

- sign -2050.430+/-350.840 χ^2/NDF: 53.5/46

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: 1949.718+/-0.444 χ^2/NDF: 702489.1/23

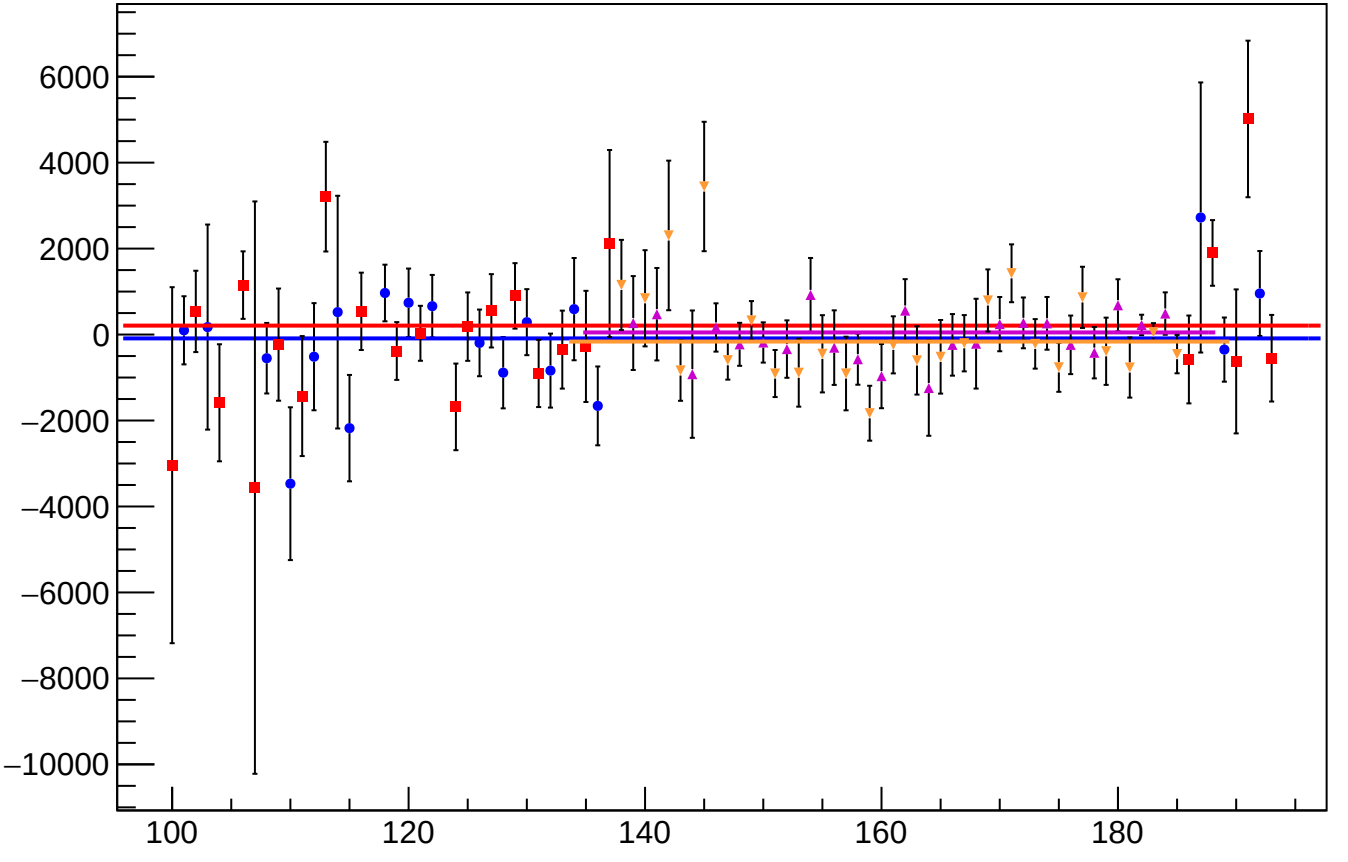
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.376+/-0.247 χ^2/NDF: 692134.3/43

All: 1849.877+/-0.175 χ^2/NDF: 1463351.4/90

- sign 1855.444+/-0.248 χ^2/NDF: 770215.7/46

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: 208.022+/-201.614 χ^2/NDF: 33.3/23

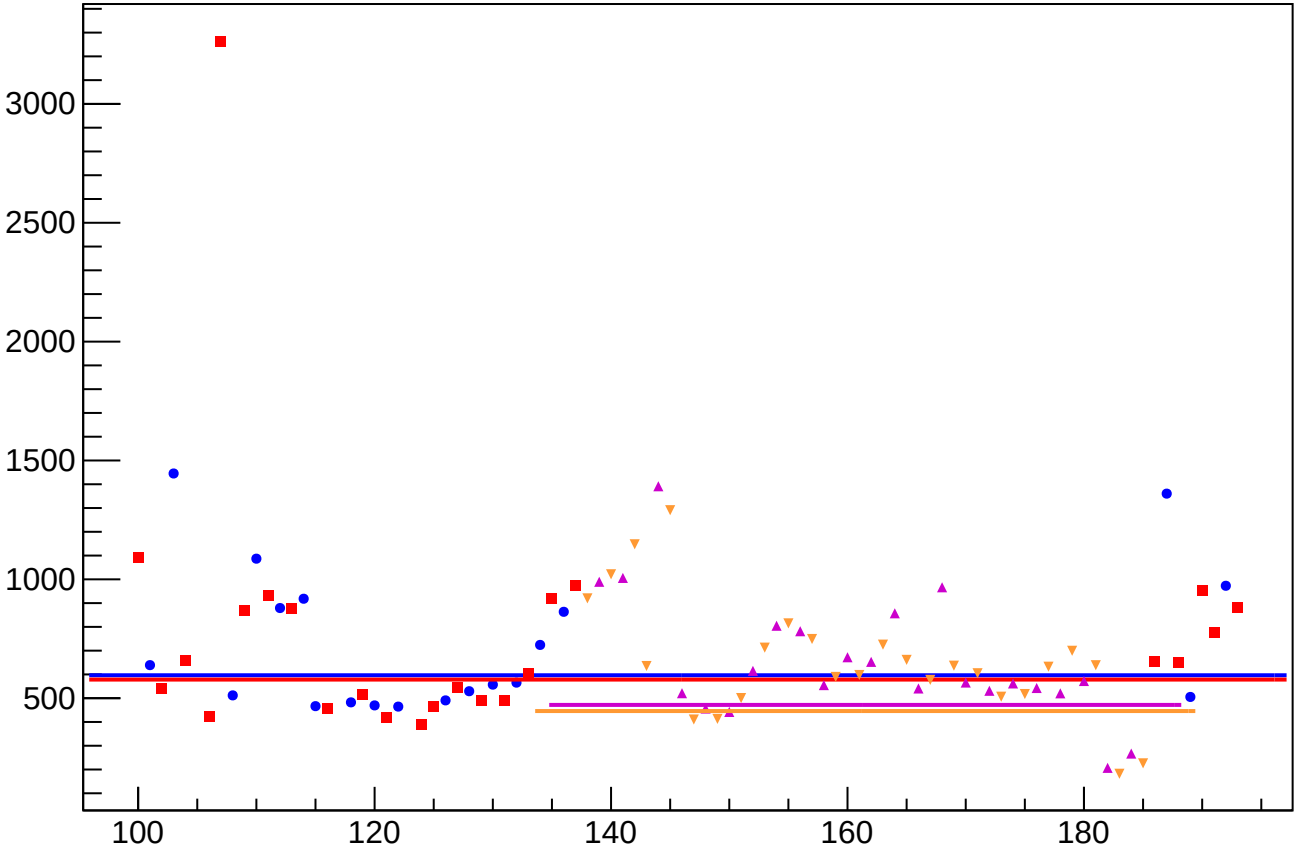
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -146.524+/-101.545 χ^2/NDF: 55.9/43

All: -30.944+/-72.930 χ^2/NDF: 103.7/90

- sign 92.187+/-104.810 χ^2/NDF: 45.1/46

asym_at1_avg_reg_correction_rms vs Slug



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: 578.334+/-0.143 χ^2/NDF: 1666792.6/23

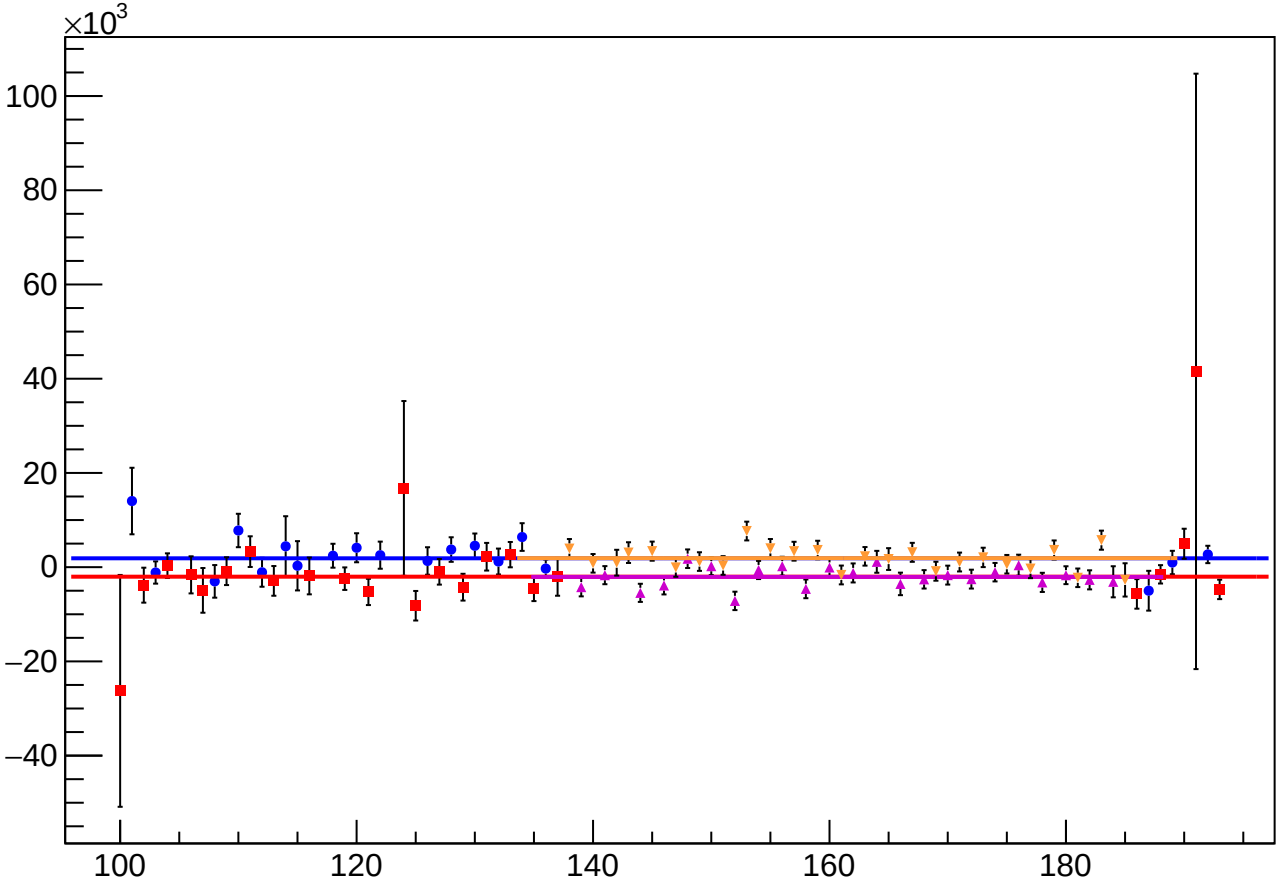
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 479.670+/-0.072 χ^2/NDF: 10198856.3/43

All: 489.780+/-0.052 χ^2/NDF: 18728427.8/90

- sign 500.551+/-0.074 χ^2/NDF: 8488626.4/46

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: -2020.771+/-627.762 χ^2/NDF: 26.9/23

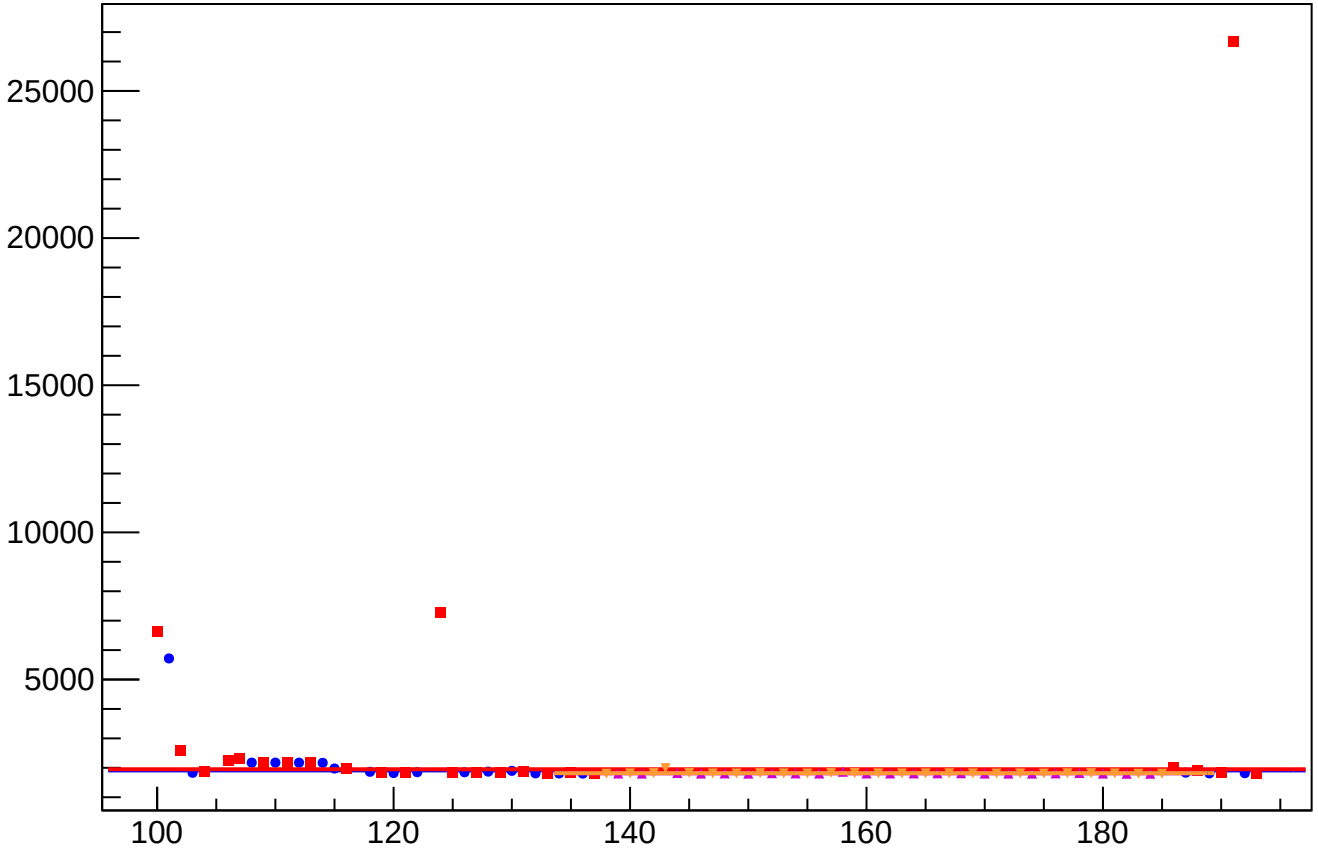
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1909.219+/-348.744 χ^2/NDF: 52.0/43

All: -61.900+/-247.362 χ^2/NDF: 169.7/90

- sign -2057.578+/-350.910 χ^2/NDF: 53.4/46

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: 1950.699+/-0.444 χ^2/NDF: 705618.0/23

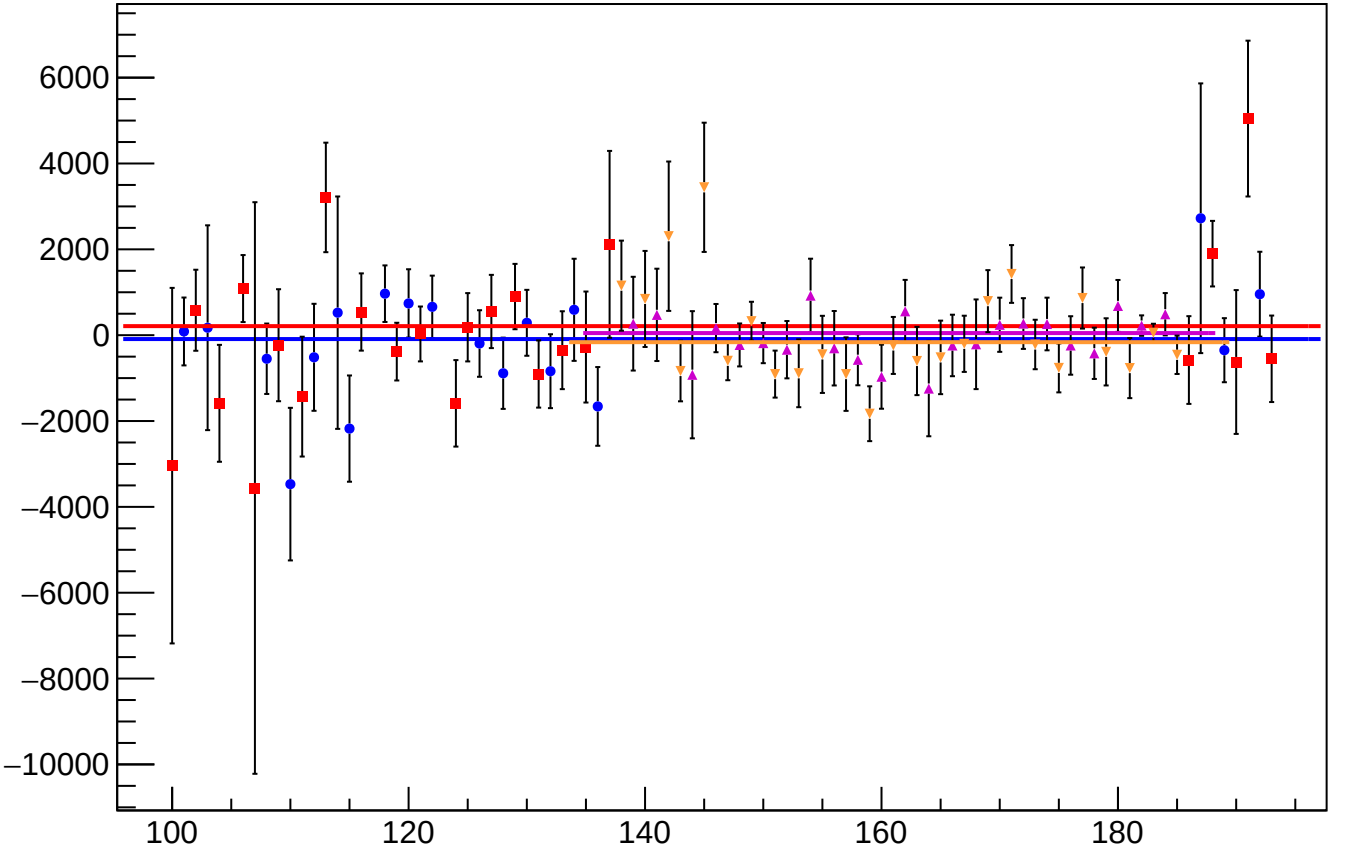
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.376+/-0.247 χ^2/NDF: 692134.2/43

All: 1850.009+/-0.175 χ^2/NDF: 1467414.3/90

- sign 1855.713+/-0.248 χ^2/NDF: 774229.7/46

asym_at1_avg_cor_correction_mean vs Slug



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: 210.874+/-201.502 χ^2/NDF: 33.0/23

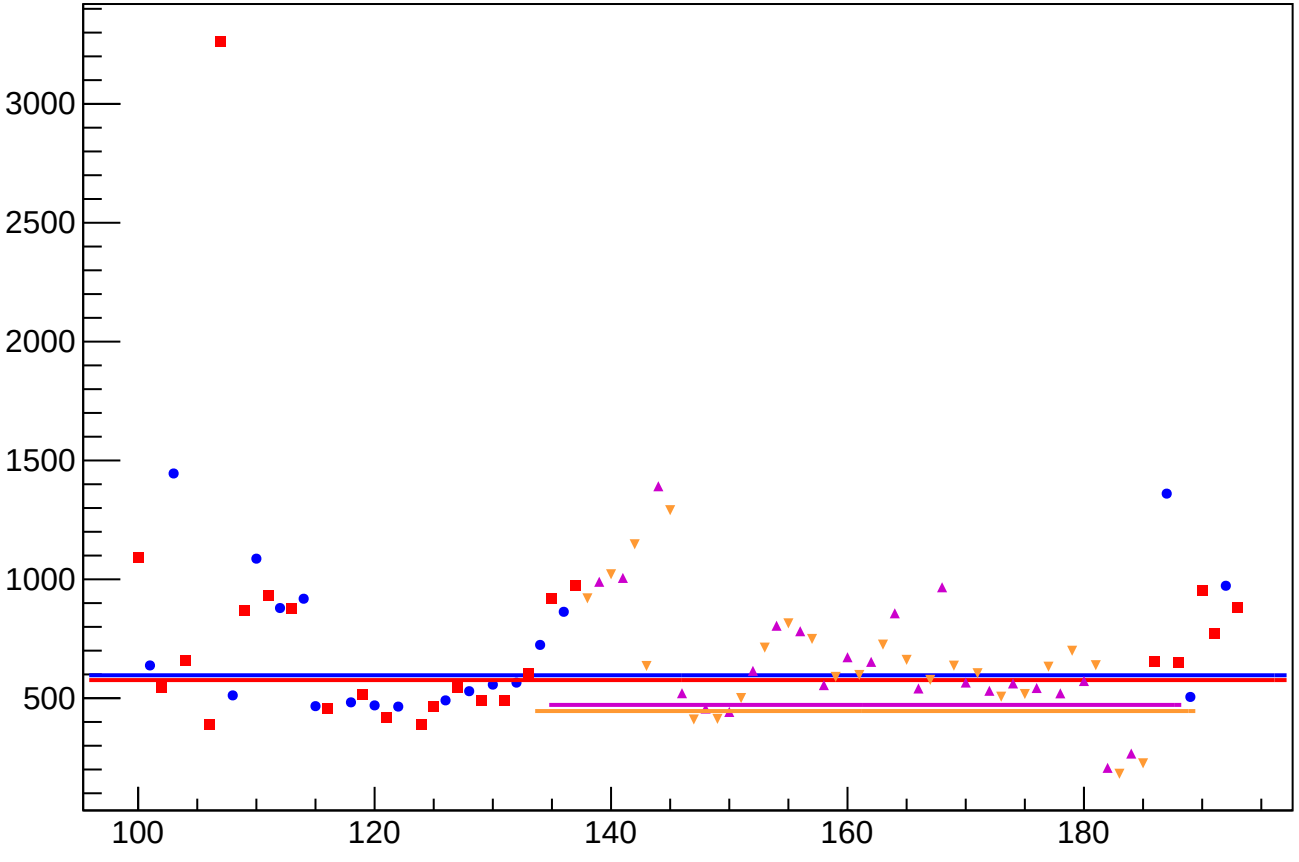
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -146.622+/-101.538 χ^2/NDF: 55.9/43

All: -30.588+/-72.923 χ^2/NDF: 103.4/90

- sign 93.008+/-104.795 χ^2/NDF: 44.8/46

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: 576.143+/-0.142 χ^2/NDF: 1704662.9/23

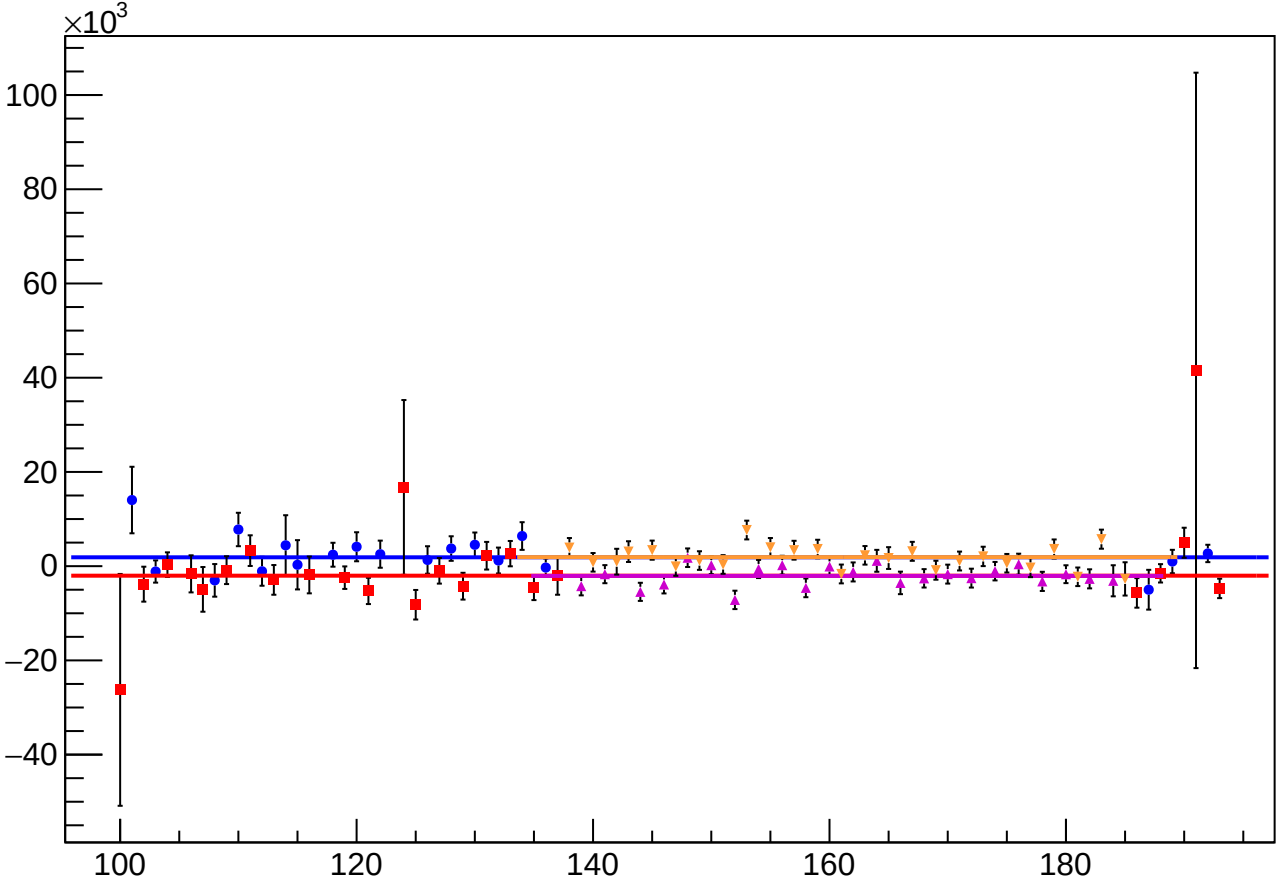
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 479.639+/-0.072 χ^2/NDF: 10199500.8/43

All: 489.494+/-0.052 χ^2/NDF: 18748309.3/90

- sign 499.991+/-0.074 χ^2/NDF: 8509901.8/46

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: -2020.771+/-627.762 χ^2/NDF: 26.9/23

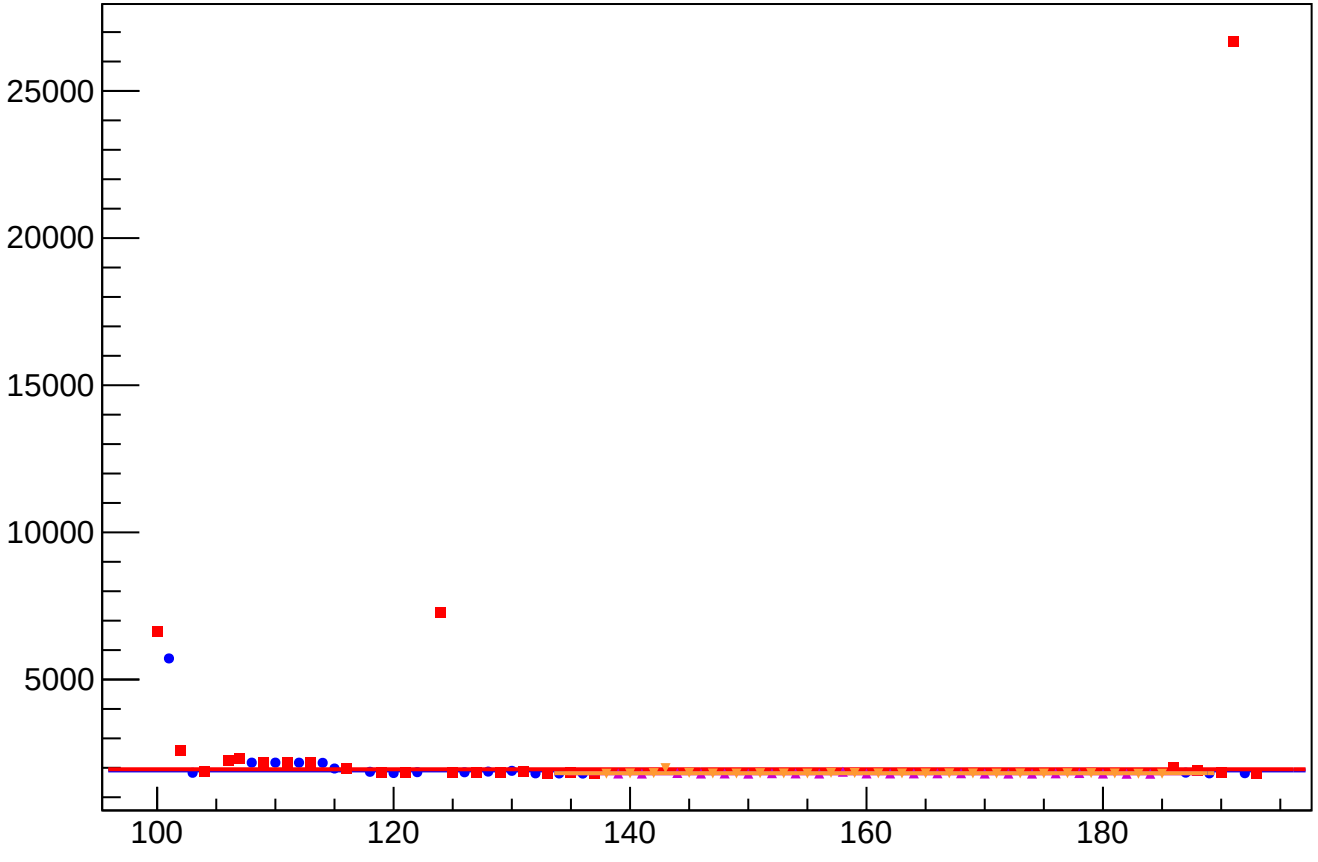
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1909.219+/-348.744 χ^2/NDF: 52.0/43

All: -61.900+/-247.362 χ^2/NDF: 169.7/90

- sign -2057.578+/-350.910 χ^2/NDF: 53.4/46

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: 1950.699+/-0.444 χ^2/NDF: 705618.0/23

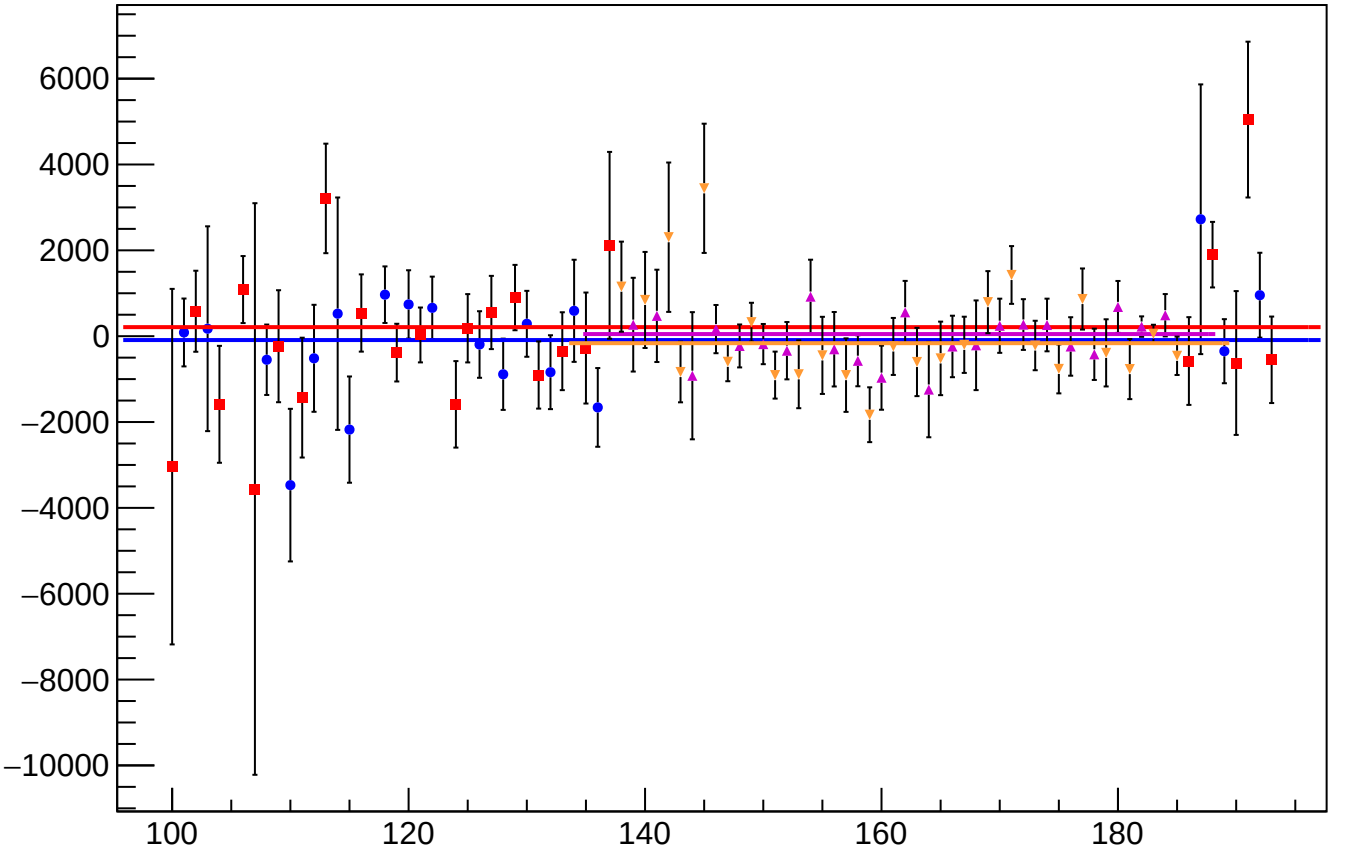
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.376+/-0.247 χ^2/NDF: 692134.2/43

All: 1850.009+/-0.175 χ^2/NDF: 1467414.3/90

- sign 1855.713+/-0.248 χ^2/NDF: 774229.7/46

asym_at1_avg_eigen_cor_correction_mean vs Slug



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Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 210.874+/-201.502 χ^2/NDF: 33.0/23

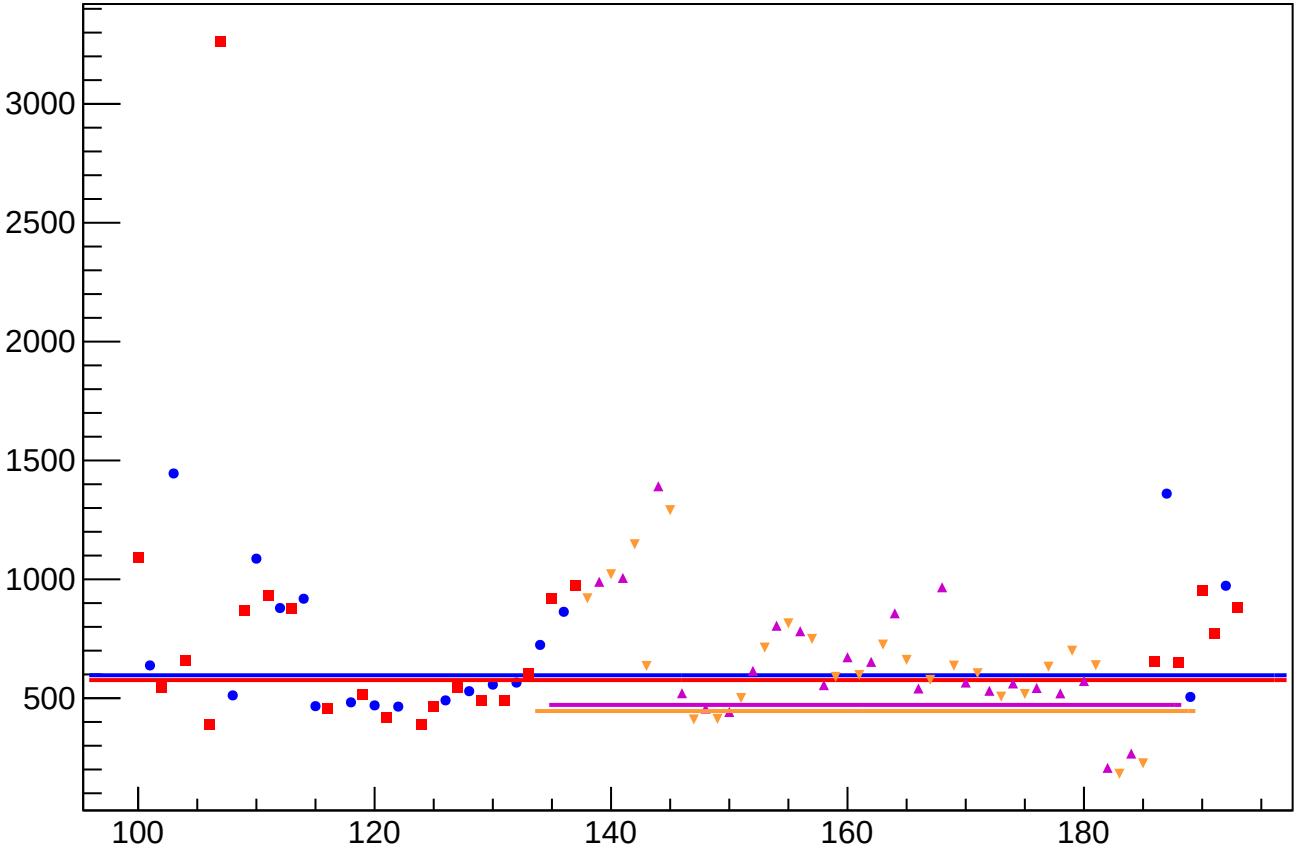
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -146.622+/-101.538 χ^2/NDF: 55.9/43

All: -30.588+/-72.923 χ^2/NDF: 103.4/90

- sign 93.008+/-104.795 χ^2/NDF: 44.8/46

asym_at1_avg_eigen_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

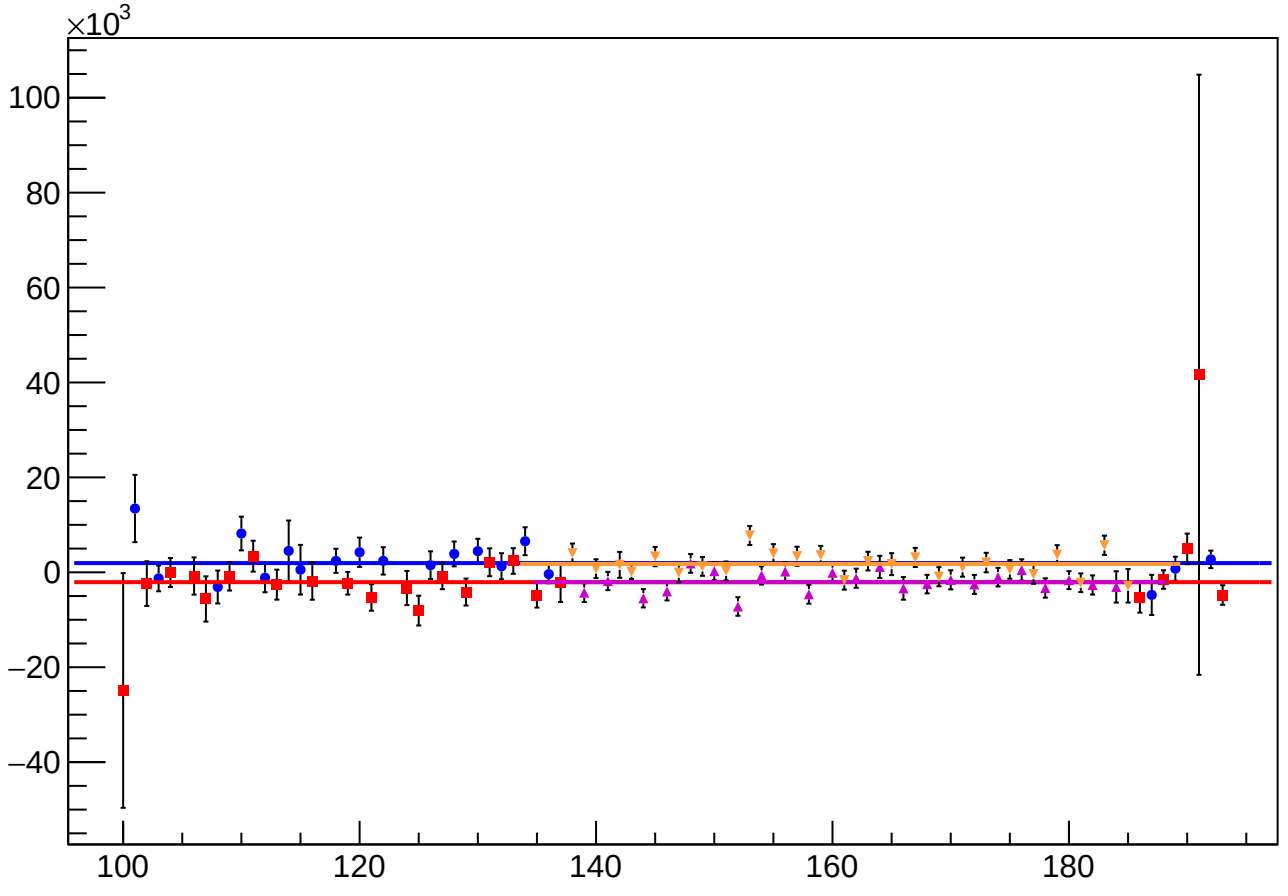
Right Out: 576.143+/-0.142 χ^2/NDF: 1704662.9/23

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 479.639+/-0.072 χ^2/NDF: 10199500.8/43

All: 489.494+/-0.052 χ^2/NDF: 18748309.3/90

- sign 499.991+/-0.074 χ^2/NDF: 8509901.8/46



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: -2075.118+/-628.099 χ^2/NDF: 24.9/23

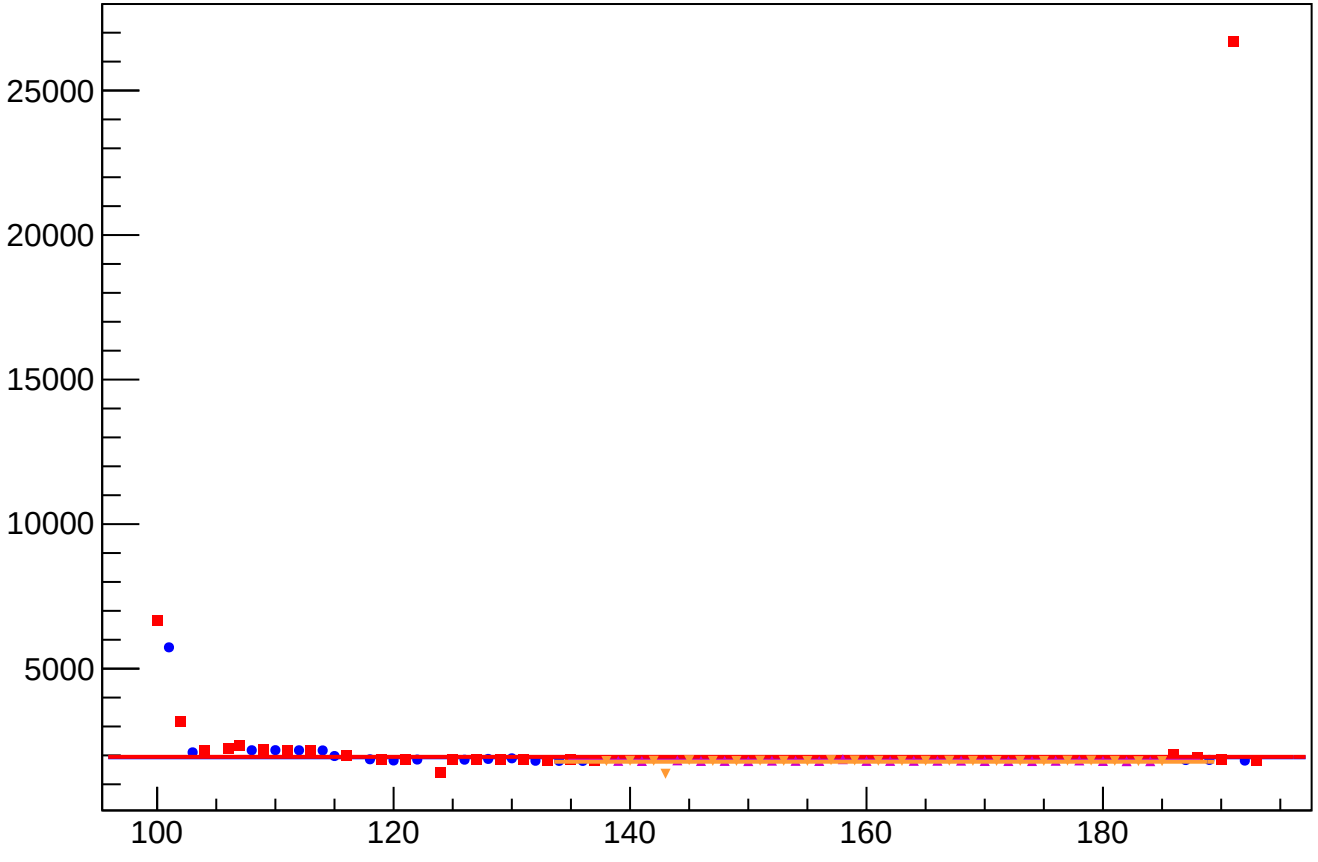
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1807.485+/-345.330 χ^2/NDF: 53.3/43

All: -100.404+/-246.242 χ^2/NDF: 167.3/90

- sign -2073.965+/-351.223 χ^2/NDF: 51.9/46

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: 1949.537+/-0.444 χ^2/NDF: 668669.1/23

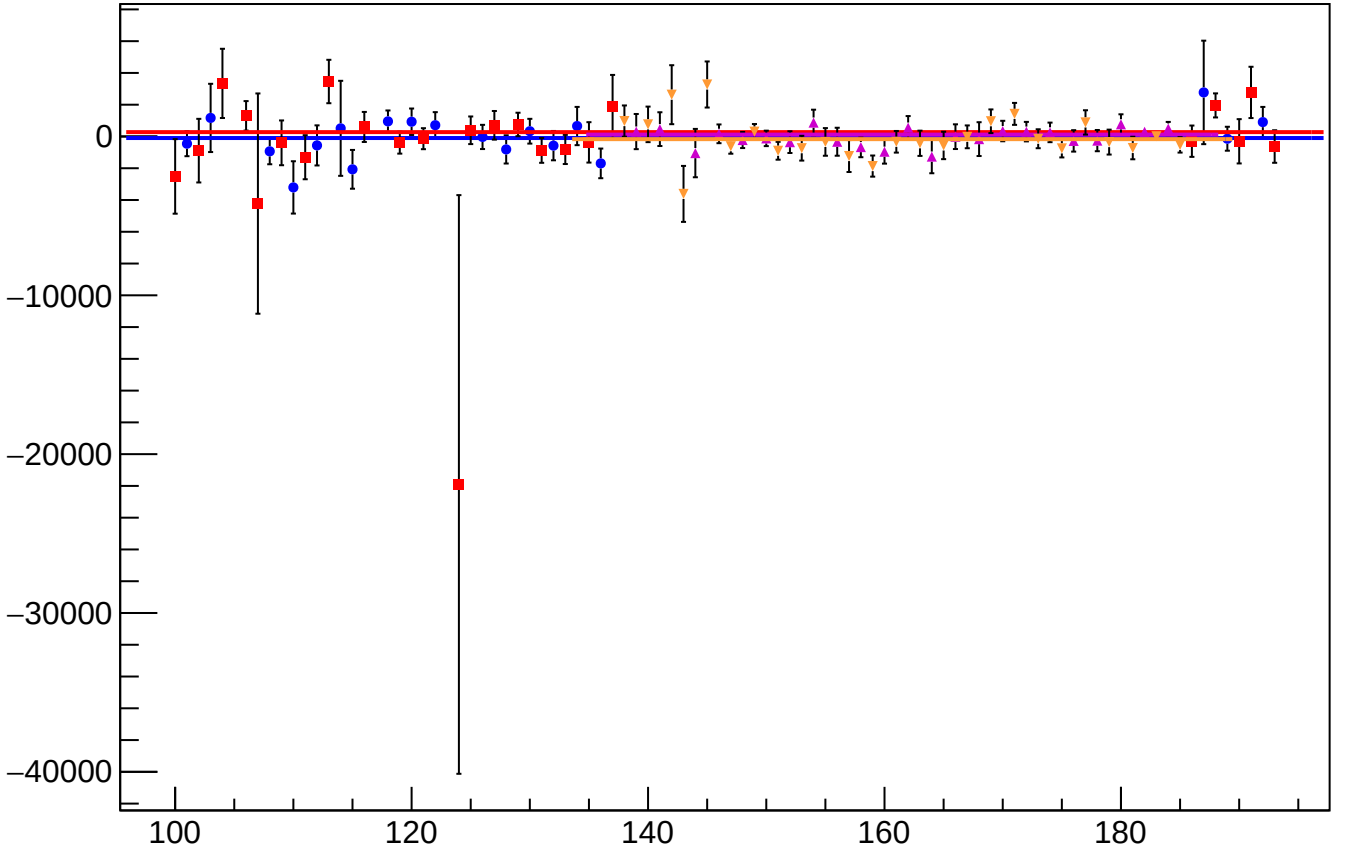
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1822.907+/-0.244 χ^2/NDF: 897721.1/43

All: 1839.508+/-0.174 χ^2/NDF: 1641486.9/90

- sign 1856.679+/-0.248 χ^2/NDF: 734363.7/46

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: 273.758+/-215.264 χ^2/NDF: 29.0/23

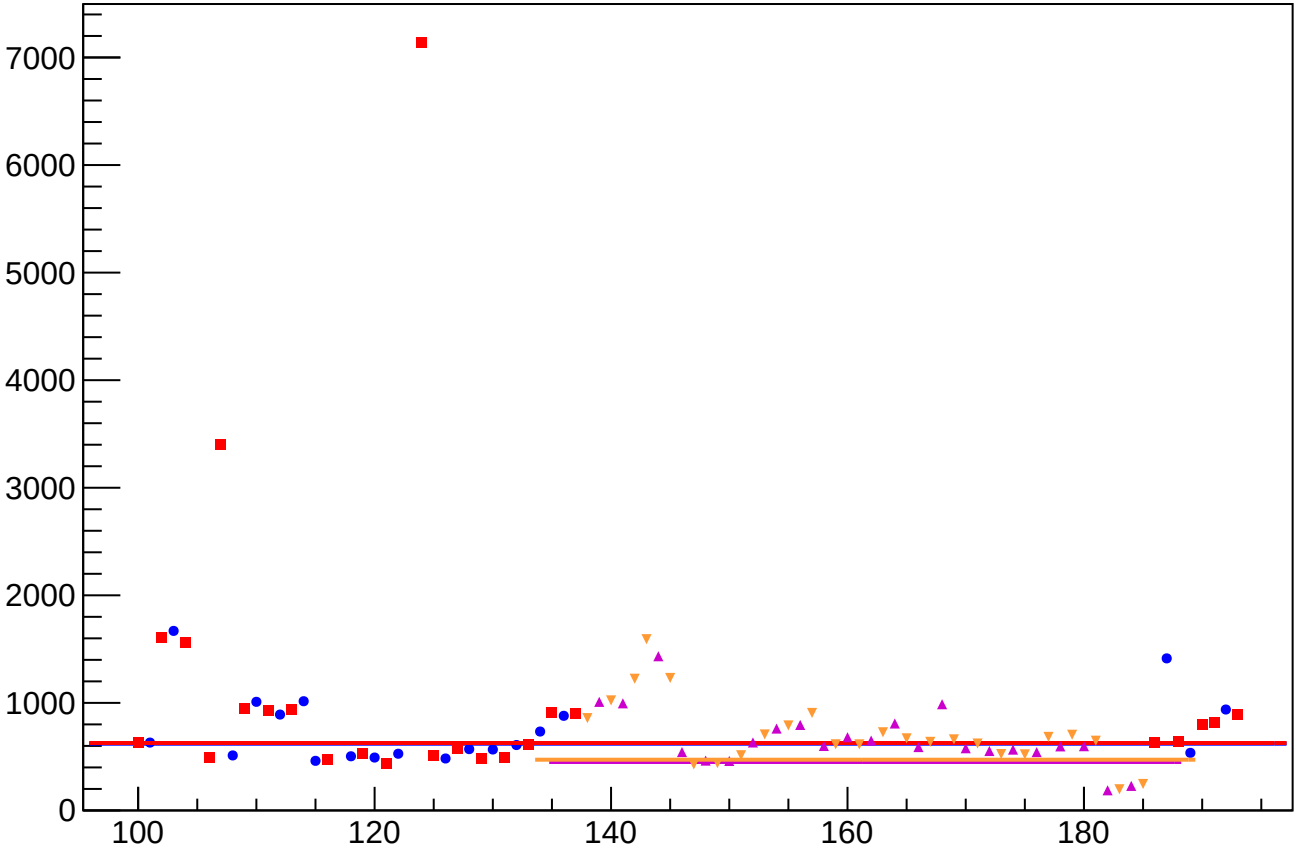
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -151.505+/-106.379 χ^2/NDF: 57.6/43

All: 3.843+/-74.607 χ^2/NDF: 103.5/90

- sign 154.218+/-104.662 χ^2/NDF: 41.7/46

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: 627.067+/-0.152 χ^2/NDF: 2550815.2/23

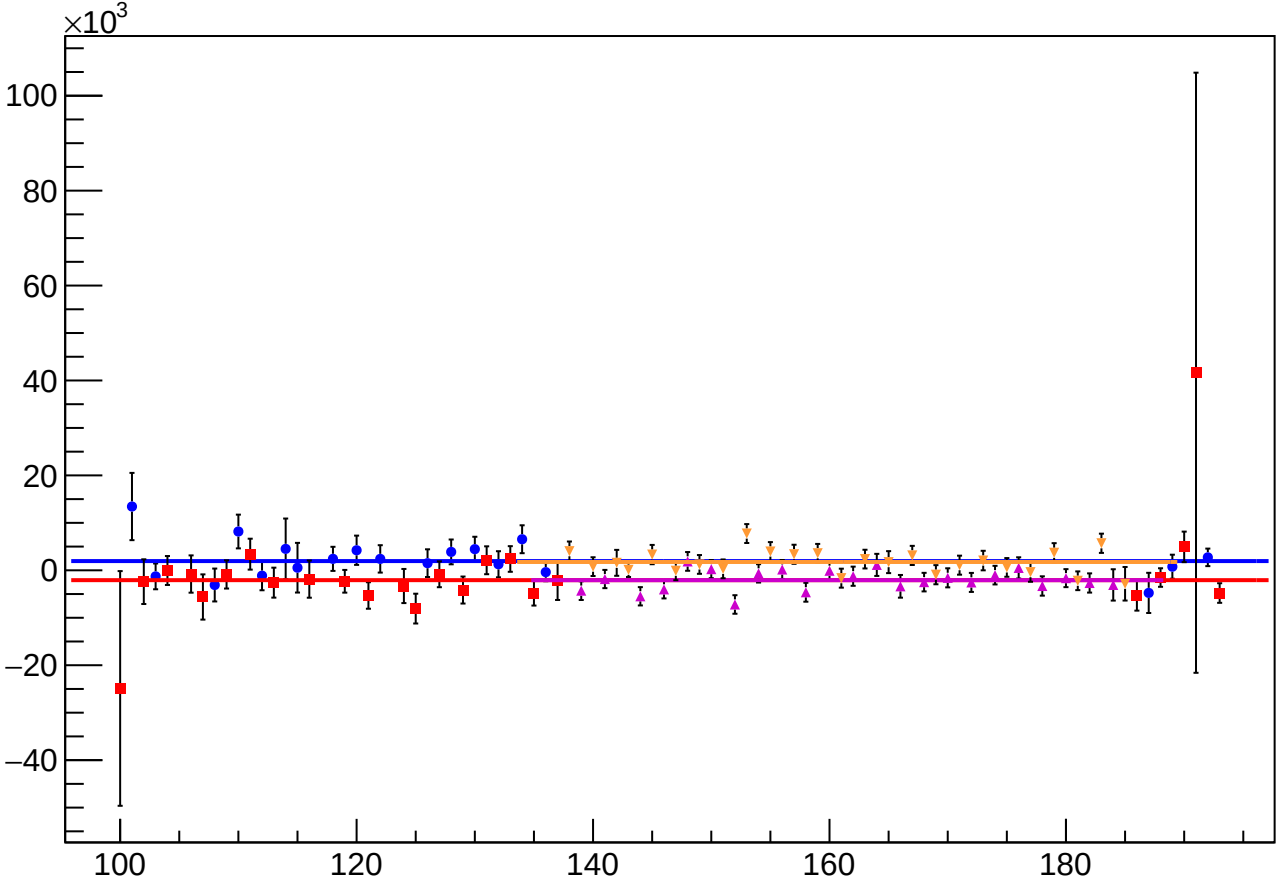
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 506.791+/-0.075 χ^2/NDF: 10354216.2/43

All: 499.456+/-0.053 χ^2/NDF: 21877793.7/90

- sign 492.355+/-0.074 χ^2/NDF: 11504861.5/46

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: -2075.116+/-628.099 χ^2/NDF: 24.9/23

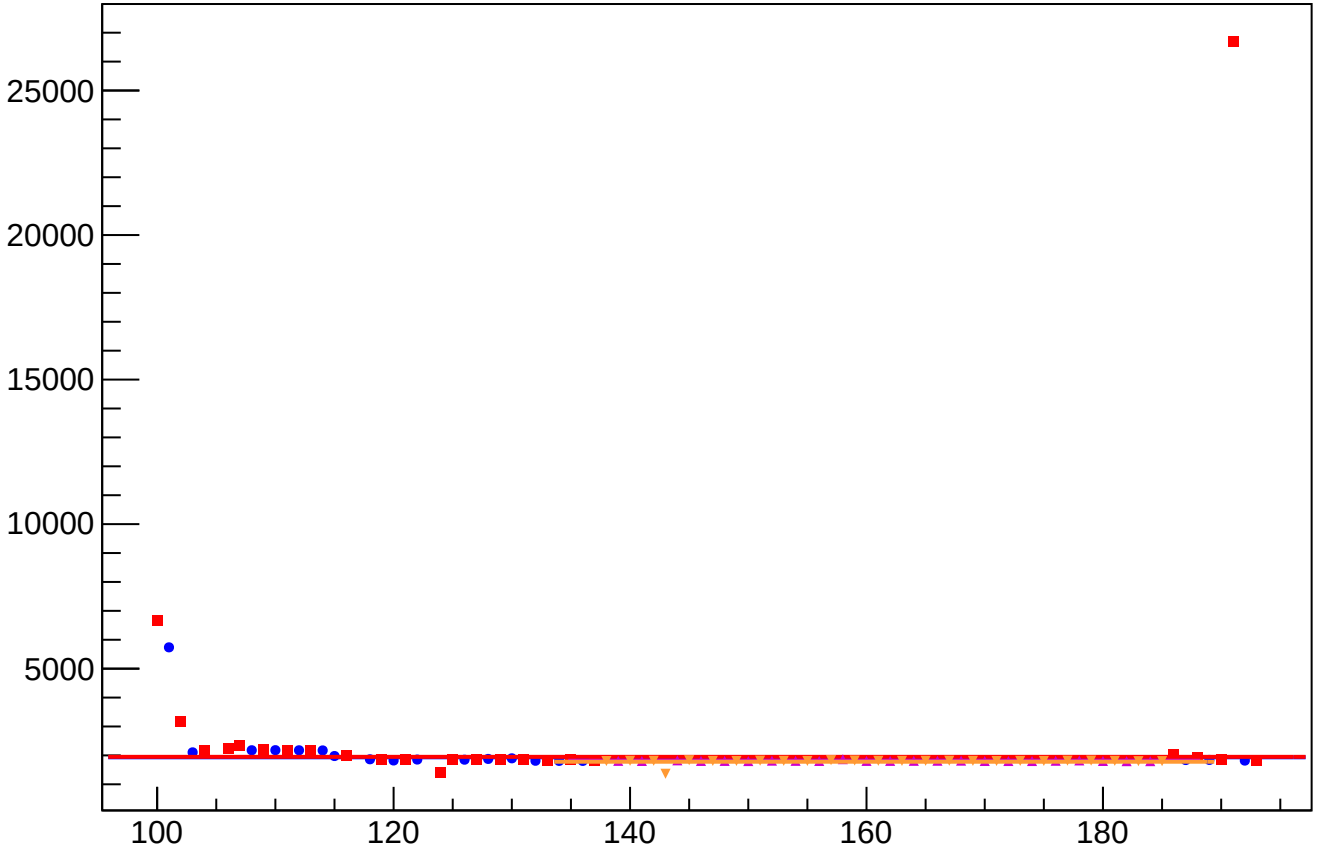
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1807.484+/-345.330 χ^2/NDF: 53.3/43

All: -100.404+/-246.242 χ^2/NDF: 167.3/90

- sign -2073.964+/-351.223 χ^2/NDF: 51.9/46

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: 1949.537+/-0.444 χ^2/NDF: 668667.8/23

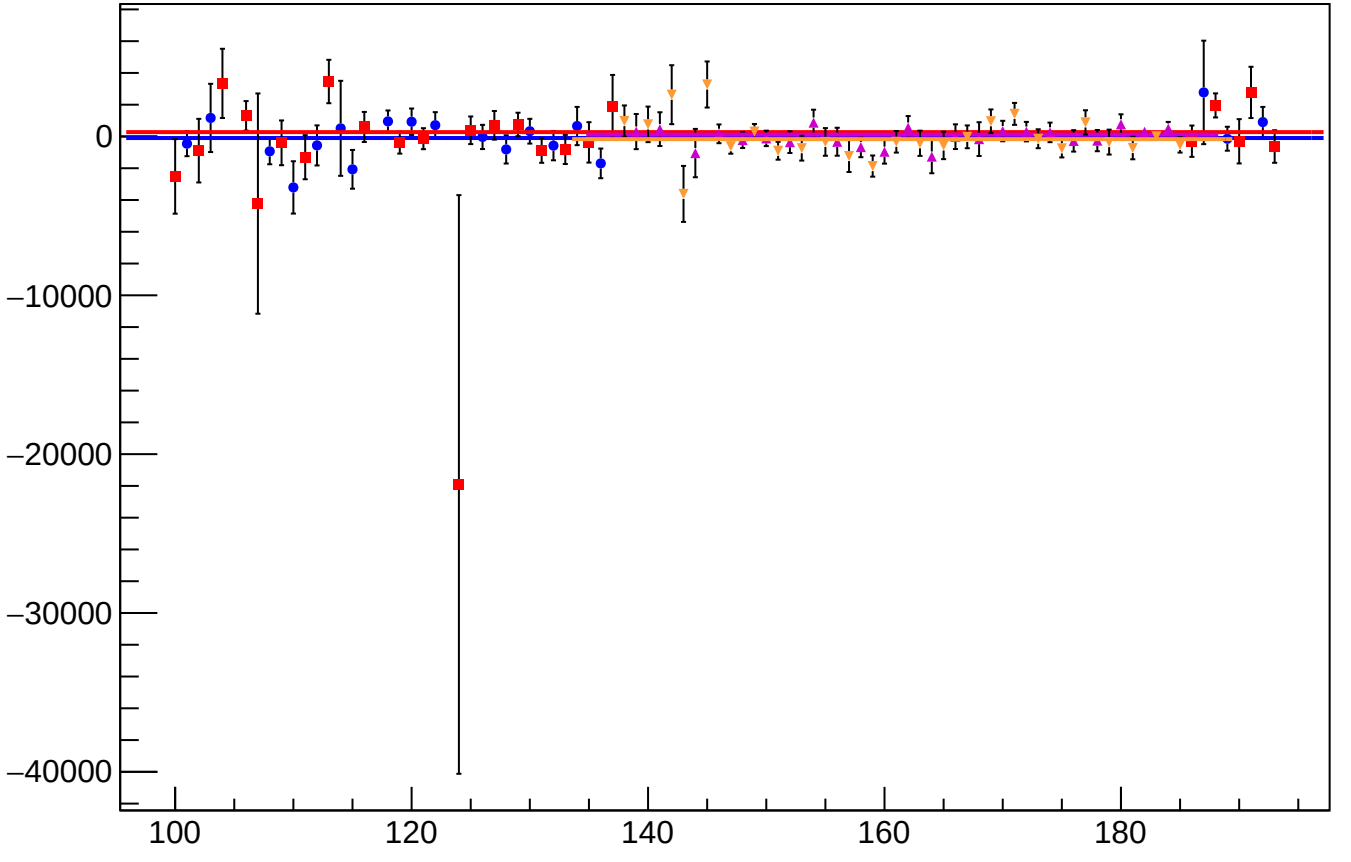
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1822.907+/-0.244 χ^2/NDF: 897720.6/43

All: 1839.508+/-0.174 χ^2/NDF: 1641484.9/90

- sign 1856.679+/-0.248 χ^2/NDF: 734362.2/46

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: 273.758+/-215.264 χ^2/NDF: 29.0/23

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+ sign -151.505+/-106.379 χ^2/NDF: 57.6/43

All: 3.843+/-74.607 χ^2/NDF: 103.5/90

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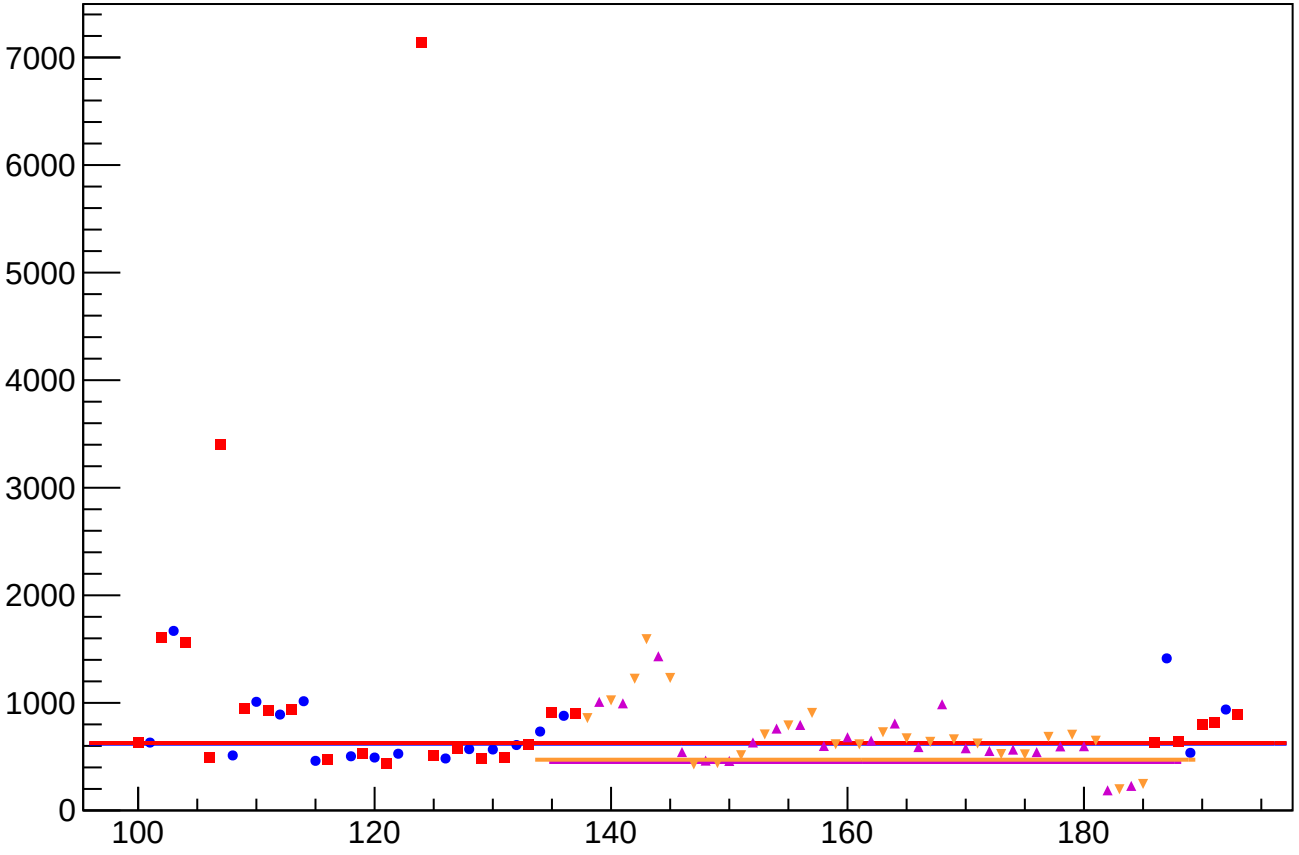
asym_at1_avg_eigen_dit_correction_rms vs Slug



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: 627.066+/-0.152 χ^2/NDF: 2550825.7/23

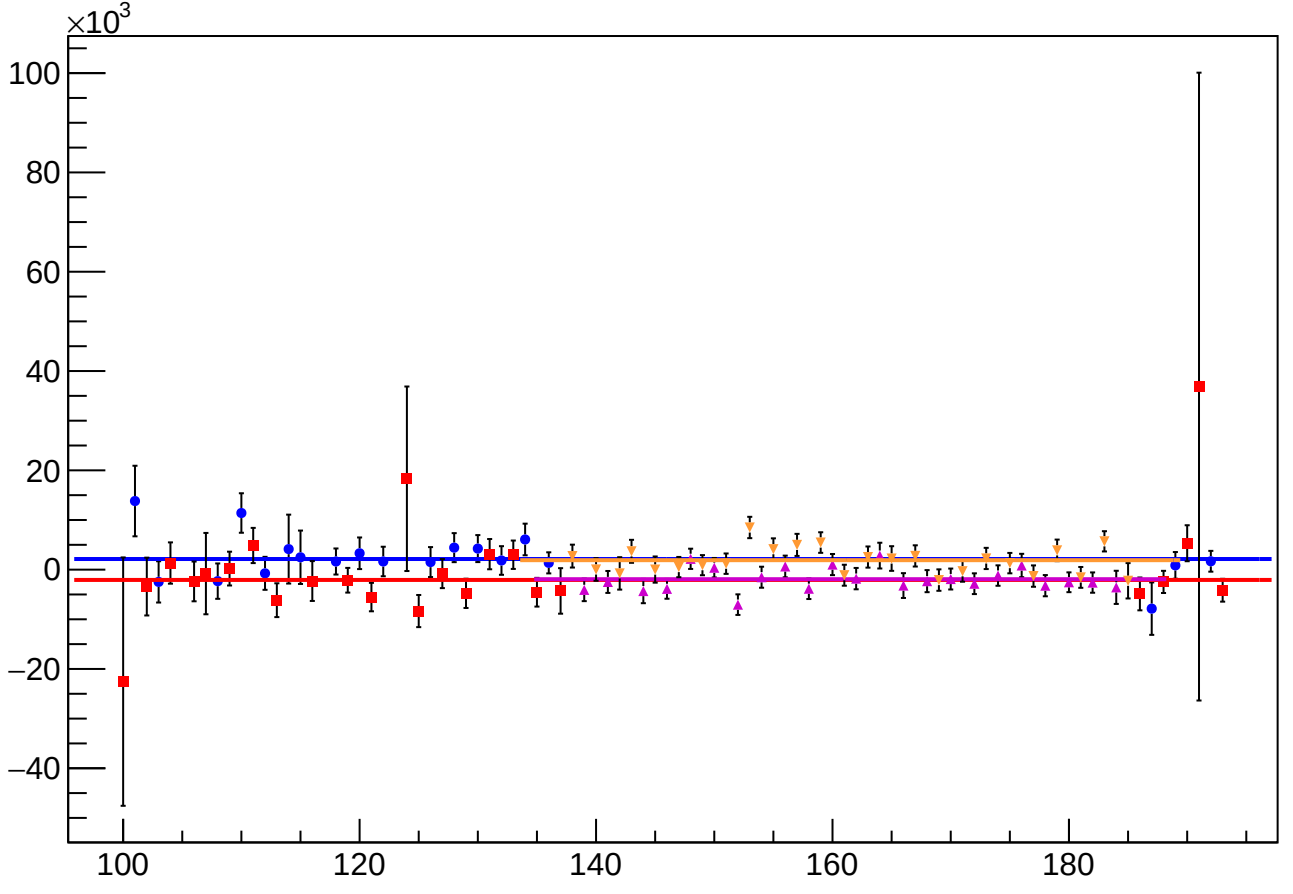
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 506.792+/-0.075 χ^2/NDF: 10354212.8/43

All: 499.456+/-0.053 χ^2/NDF: 21877767.0/90

- sign 492.356+/-0.074 χ^2/NDF: 11504838.9/46

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: -2072.349+/-698.571 χ^2/NDF: 27.7/23

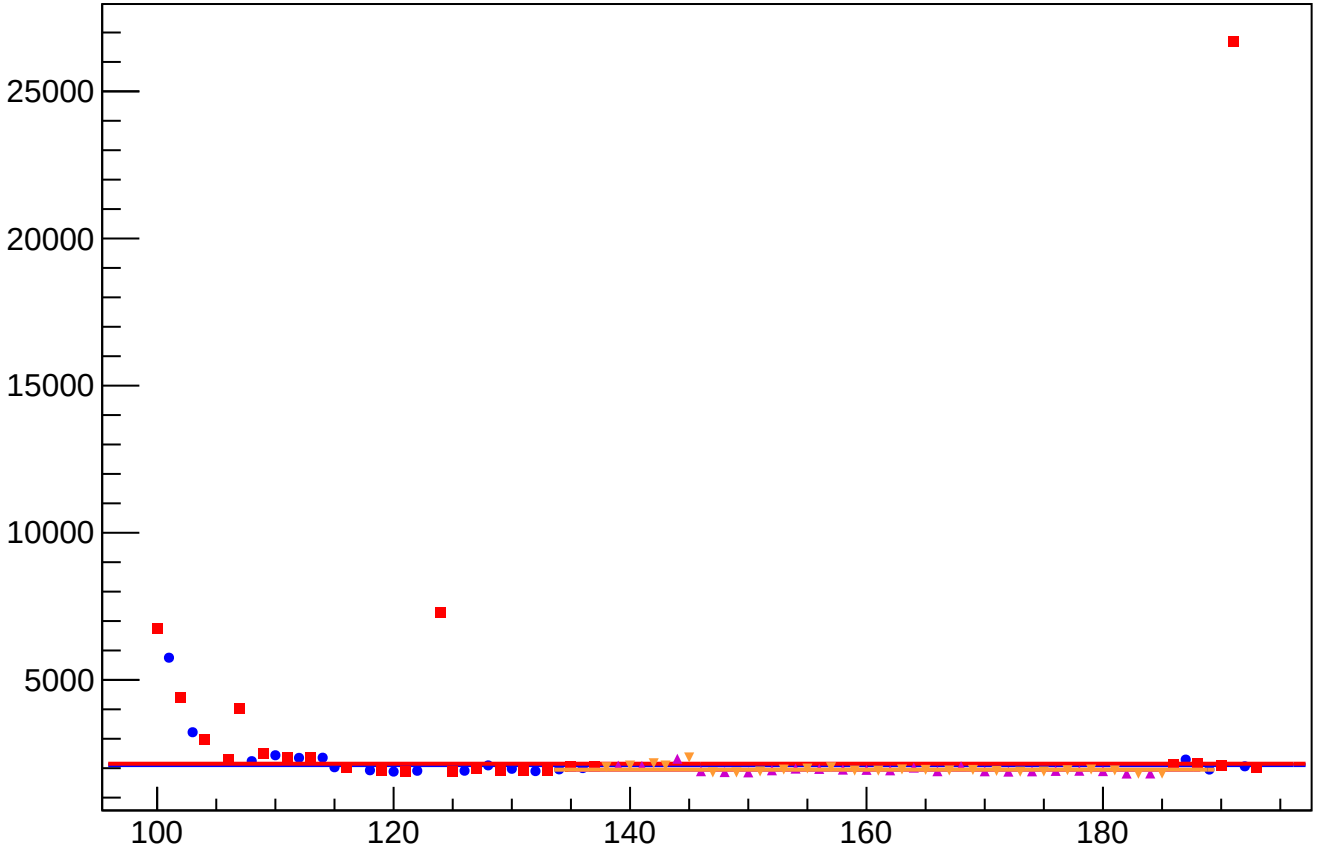
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 1971.749+/-377.653 χ^2/NDF: 55.1/43

All: 19.253+/-268.283 χ^2/NDF: 161.5/90

- sign -1969.976+/-381.189 χ^2/NDF: 52.5/46

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

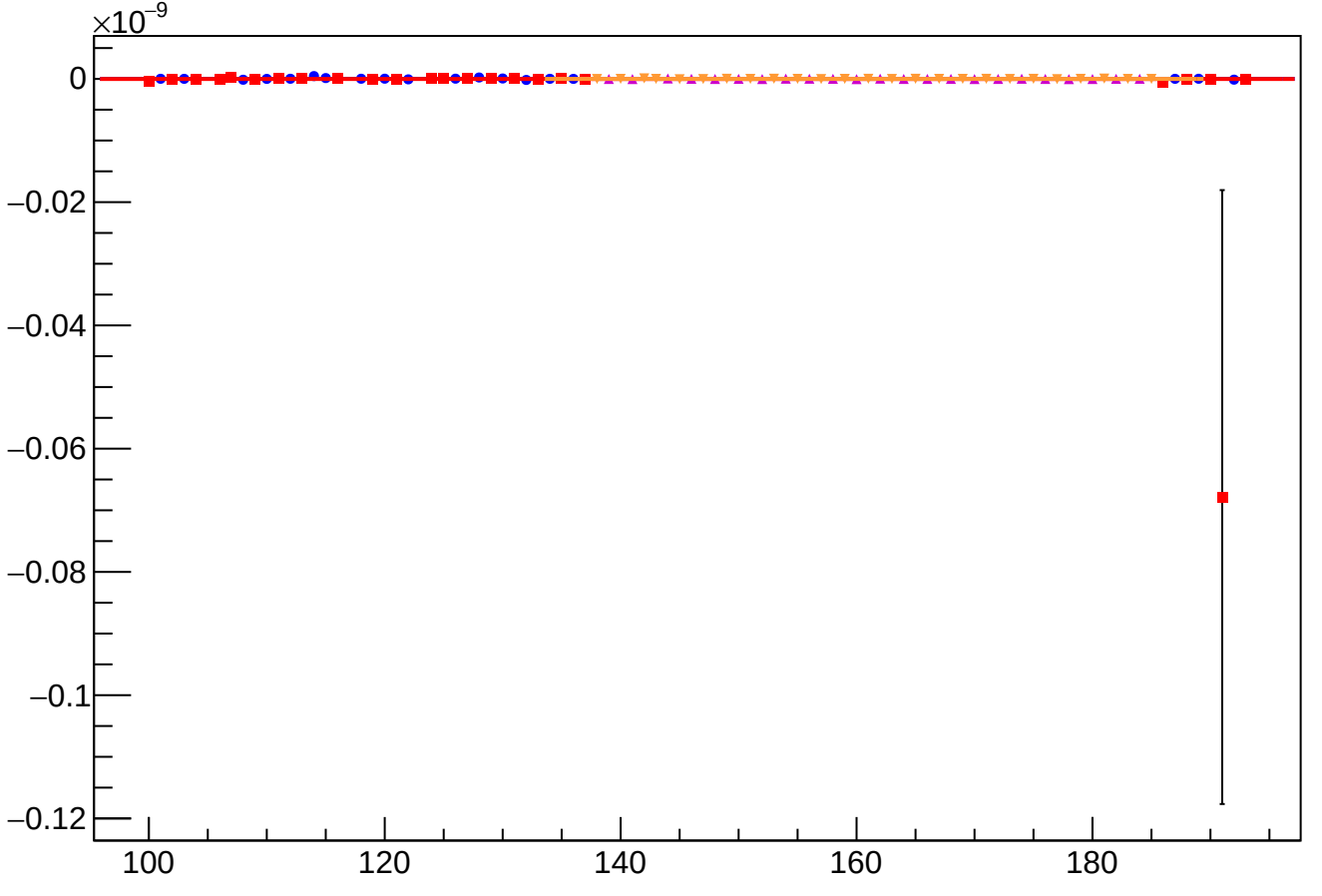
Right Out: 2152.052+/-0.494 χ^2/NDF: 1136965.4/23

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 1991.940+/-0.267 χ^2/NDF: 947120.9/43

All: 1999.273+/-0.190 χ^2/NDF: 2304789.8/90

- sign 2006.744+/-0.270 χ^2/NDF: 1356146.6/46



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: 20.6/23

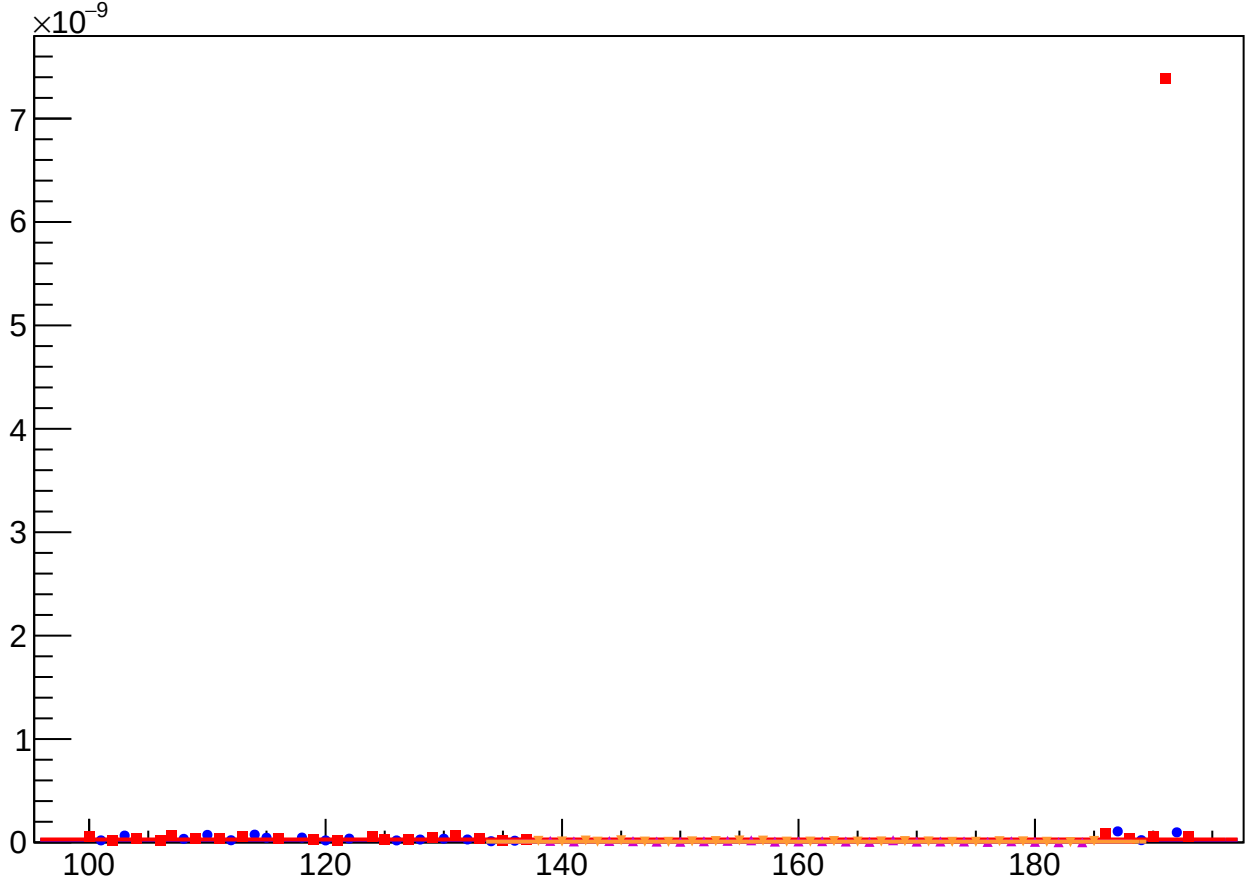
Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.1/43

All: 0.000+/-0.000 χ^2/NDF: 101.1/90

- sign 0.000+/-0.000 χ^2/NDF: 52.8/46

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: 1156306.1/23

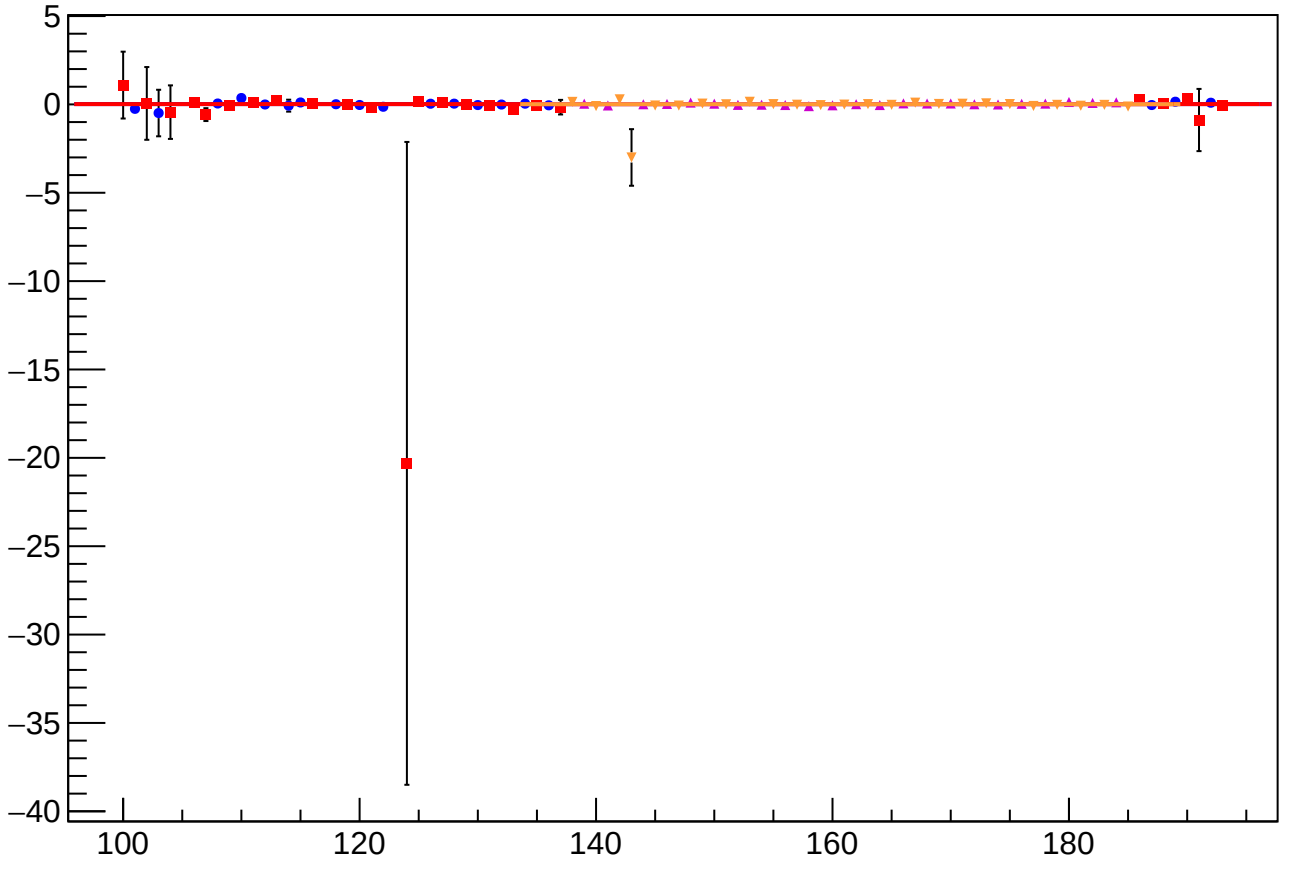
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6089730.9/43

All: 0.000+/-0.000 χ^2/NDF: 12764117.9/90

- sign 0.000+/-0.000 χ^2/NDF: 6673463.2/46

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: 0.017+/-0.023 χ^2/NDF: 23.0/23

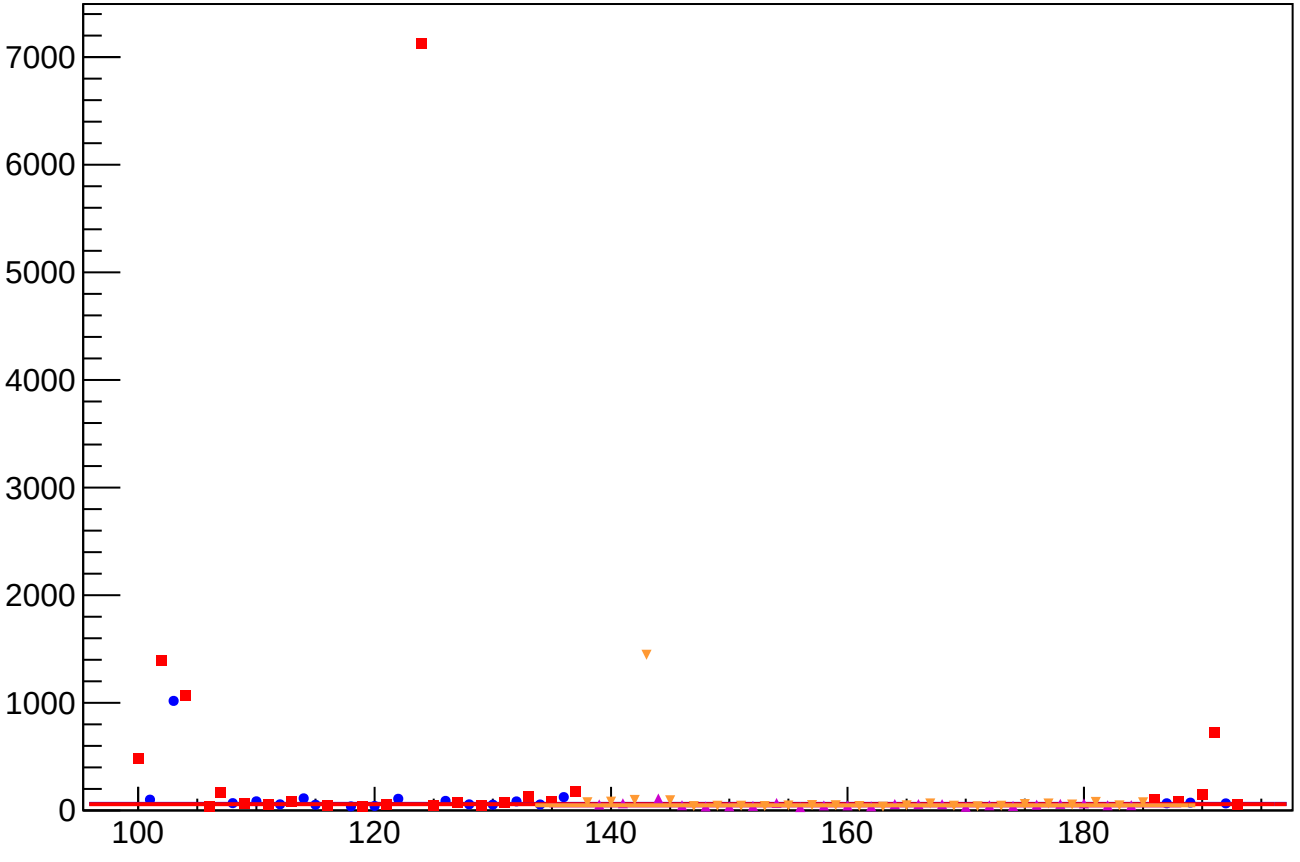
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 43.5/43

All: 0.015+/-0.008 χ^2/NDF: 87.0/90

- sign 0.018+/-0.011 χ^2/NDF: 43.3/46

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: 58.240+/-0.016 χ^2/NDF: 4359893.0/23

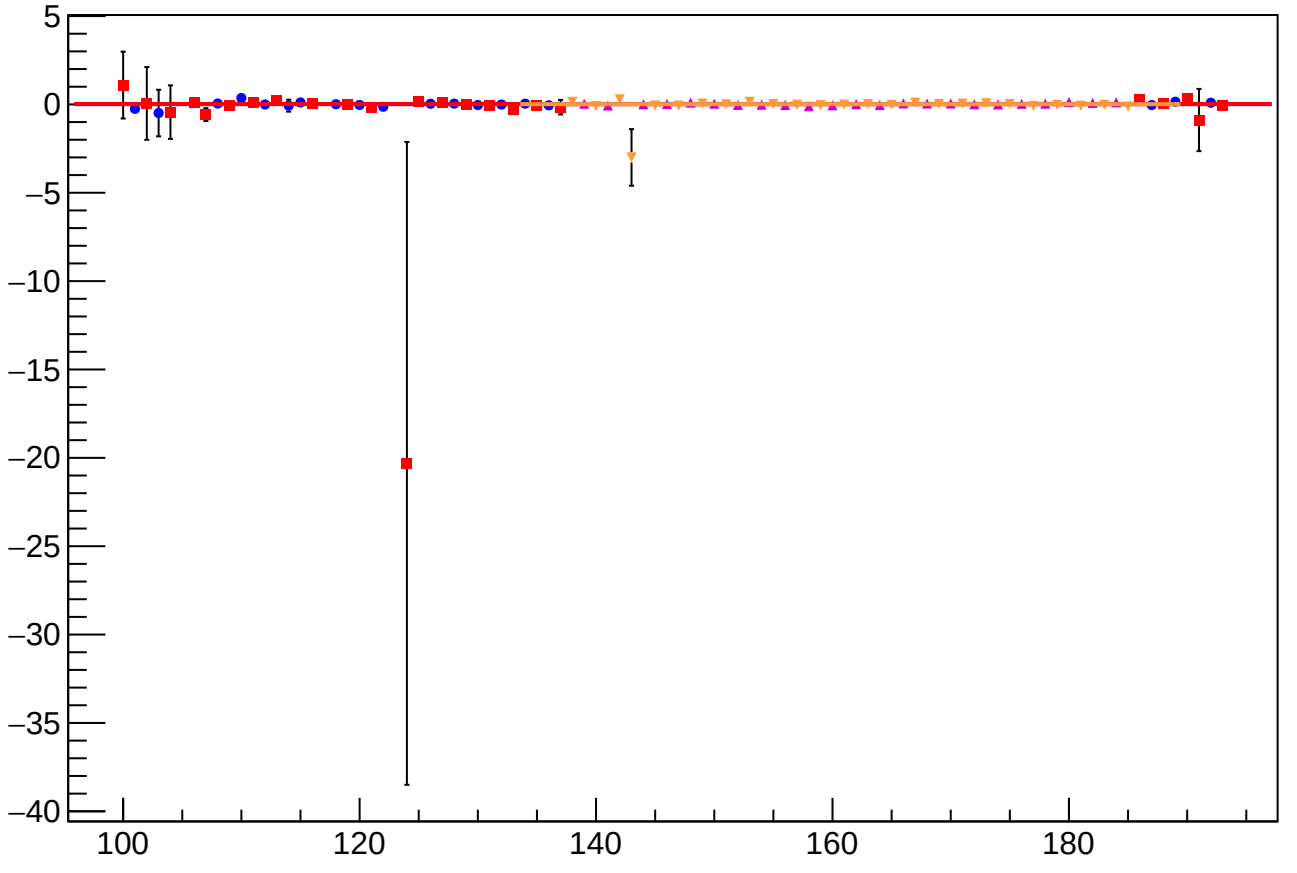
Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.623+/-0.008 χ^2/NDF: 6526393.2/43

All: 49.944+/-0.005 χ^2/NDF: 13233273.5/90

- sign 49.295+/-0.008 χ^2/NDF: 6692205.8/46

asym_at1_avg_dit_vs_eigen_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: 0.017+/-0.023 χ^2/NDF: 23.0/23

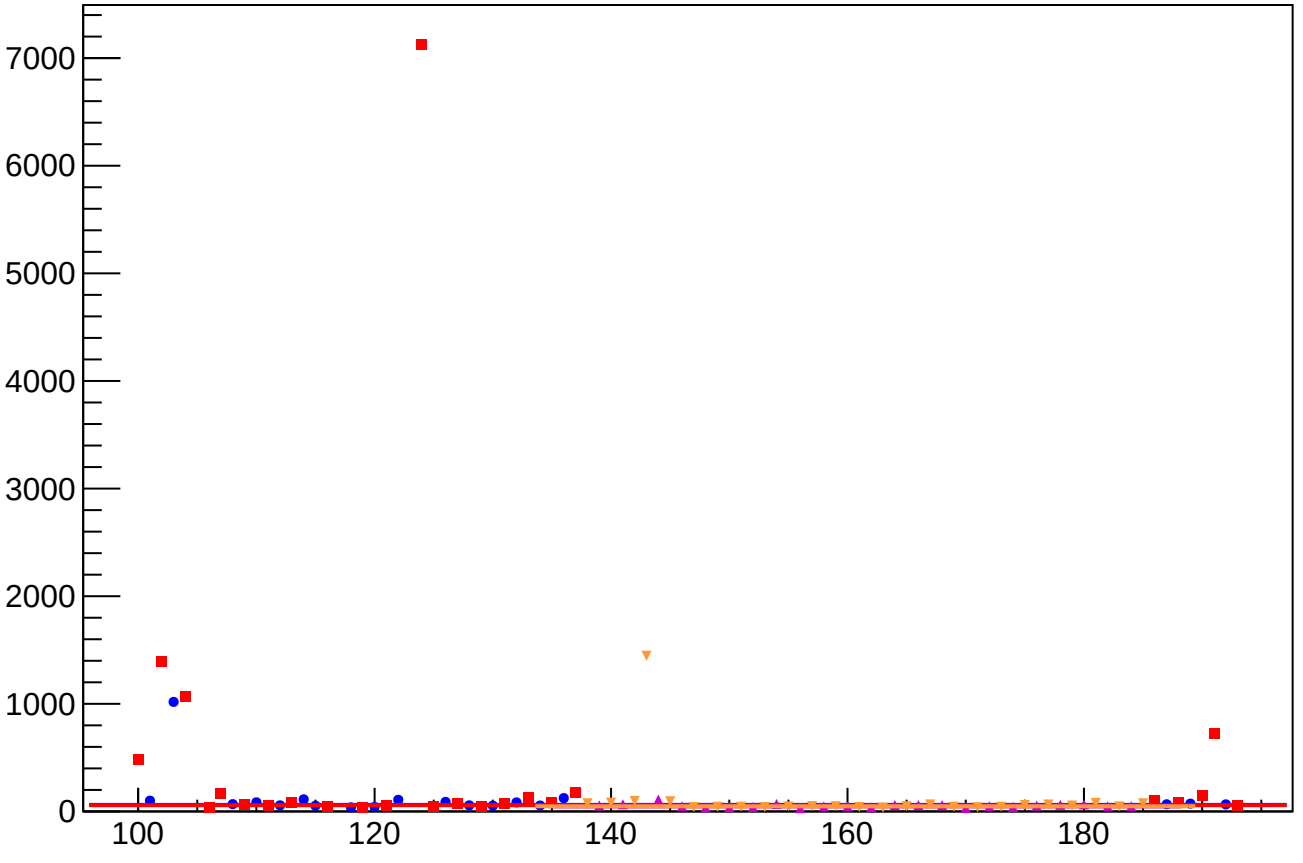
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 43.5/43

All: 0.015+/-0.008 χ^2/NDF: 87.0/90

- sign 0.018+/-0.011 χ^2/NDF: 43.3/46

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: 58.240+/-0.016 χ^2/NDF: 4359893.0/23

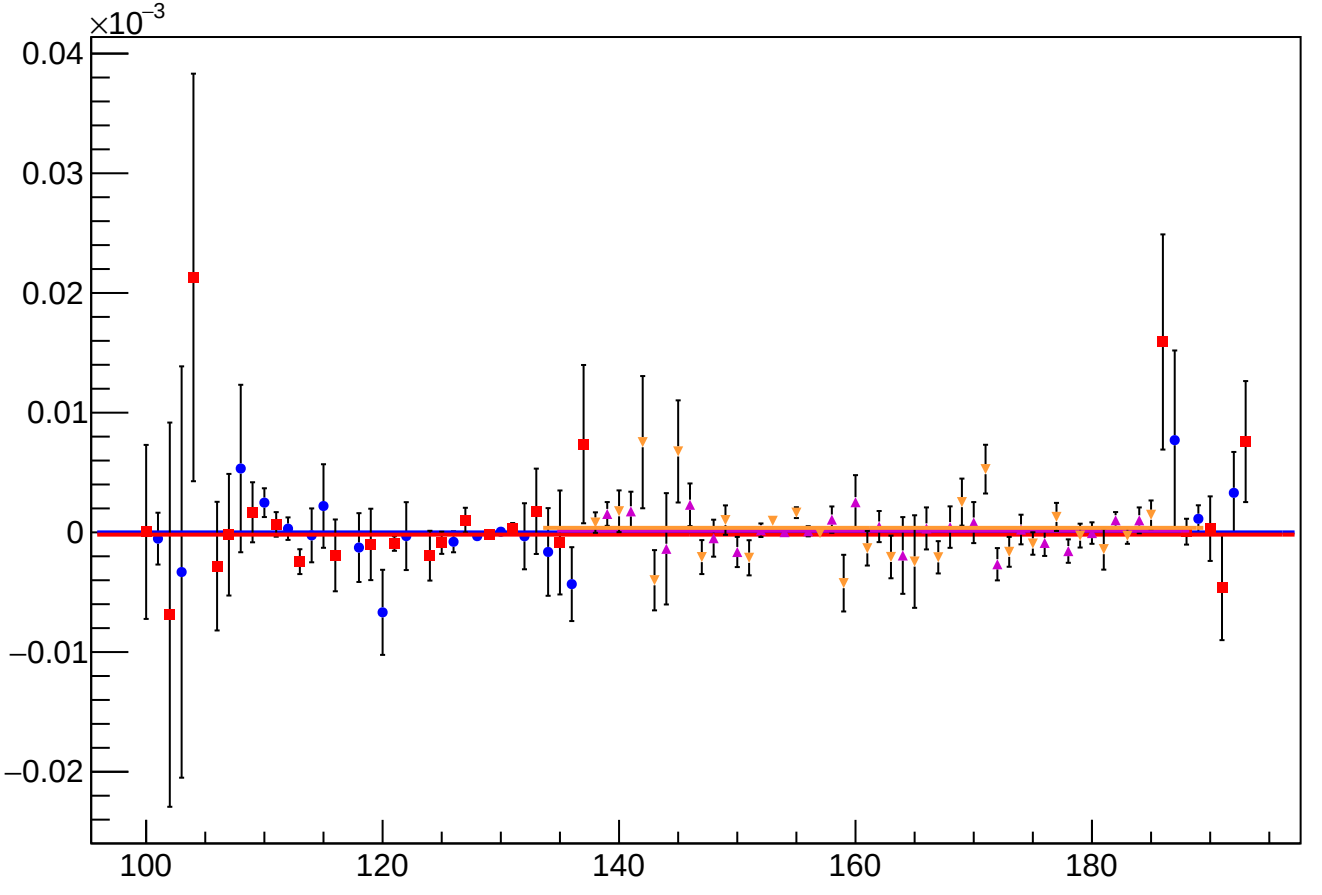
Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.623+/-0.008 χ^2/NDF: 6526393.2/43

All: 49.944+/-0.005 χ^2/NDF: 13233273.5/90

- sign 49.295+/-0.008 χ^2/NDF: 6692205.8/46

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs Slug



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: 22.3/23

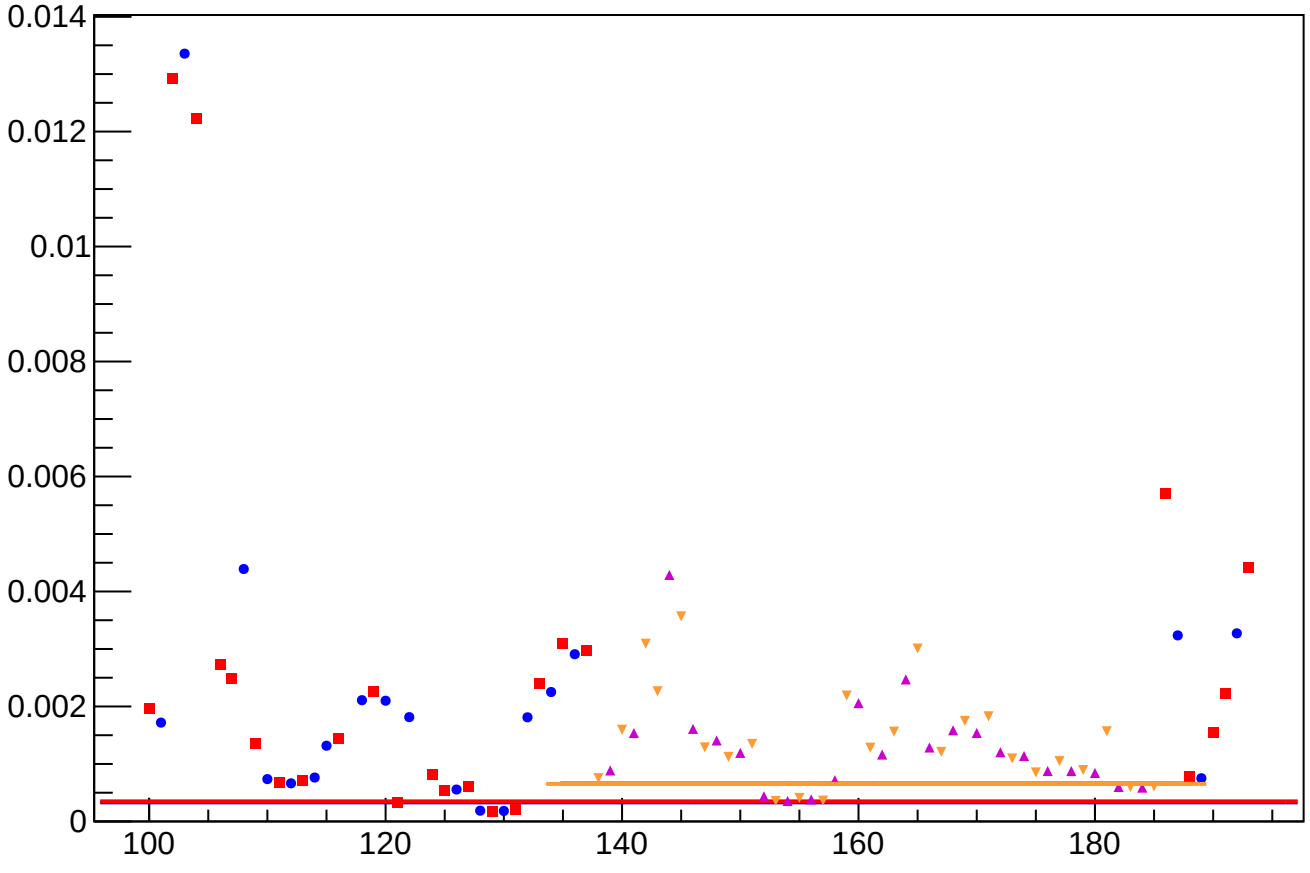
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.7/43

All: 0.000+/-0.000 χ^2/NDF: 114.7/90

- sign -0.000+/-0.000 χ^2/NDF: 43.7/46

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10843061.4/18

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11162538.1/23

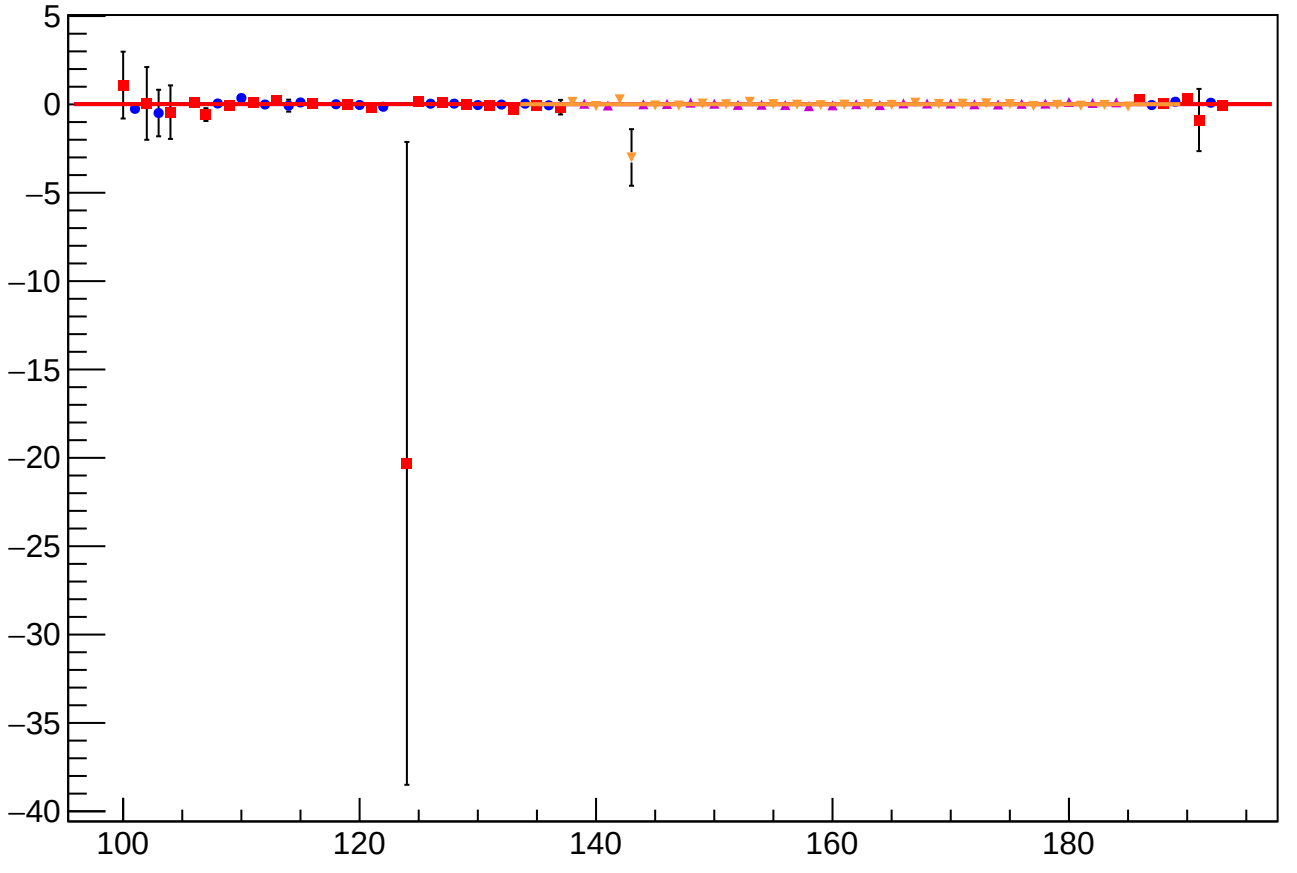
Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 25904483.0/43

All: 0.001+/-0.000 χ^2/NDF: 49499962.4/90

- sign 0.001+/-0.000 χ^2/NDF: 23593346.9/46

asym_at1_avg_eigen_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: 0.017+/-0.023 χ^2/NDF: 23.0/23

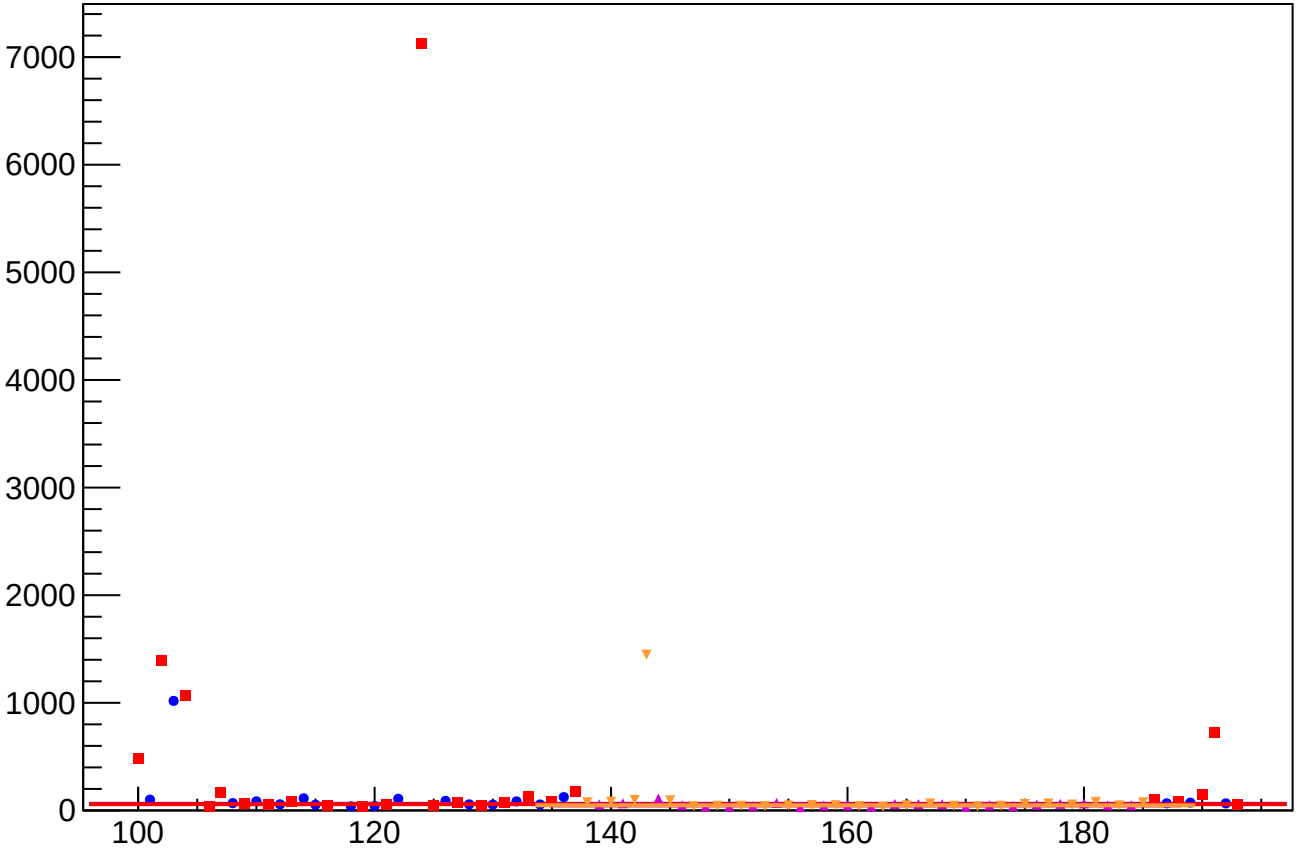
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 43.5/43

All: 0.015+/-0.008 χ^2/NDF: 87.0/90

- sign 0.018+/-0.011 χ^2/NDF: 43.3/46

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

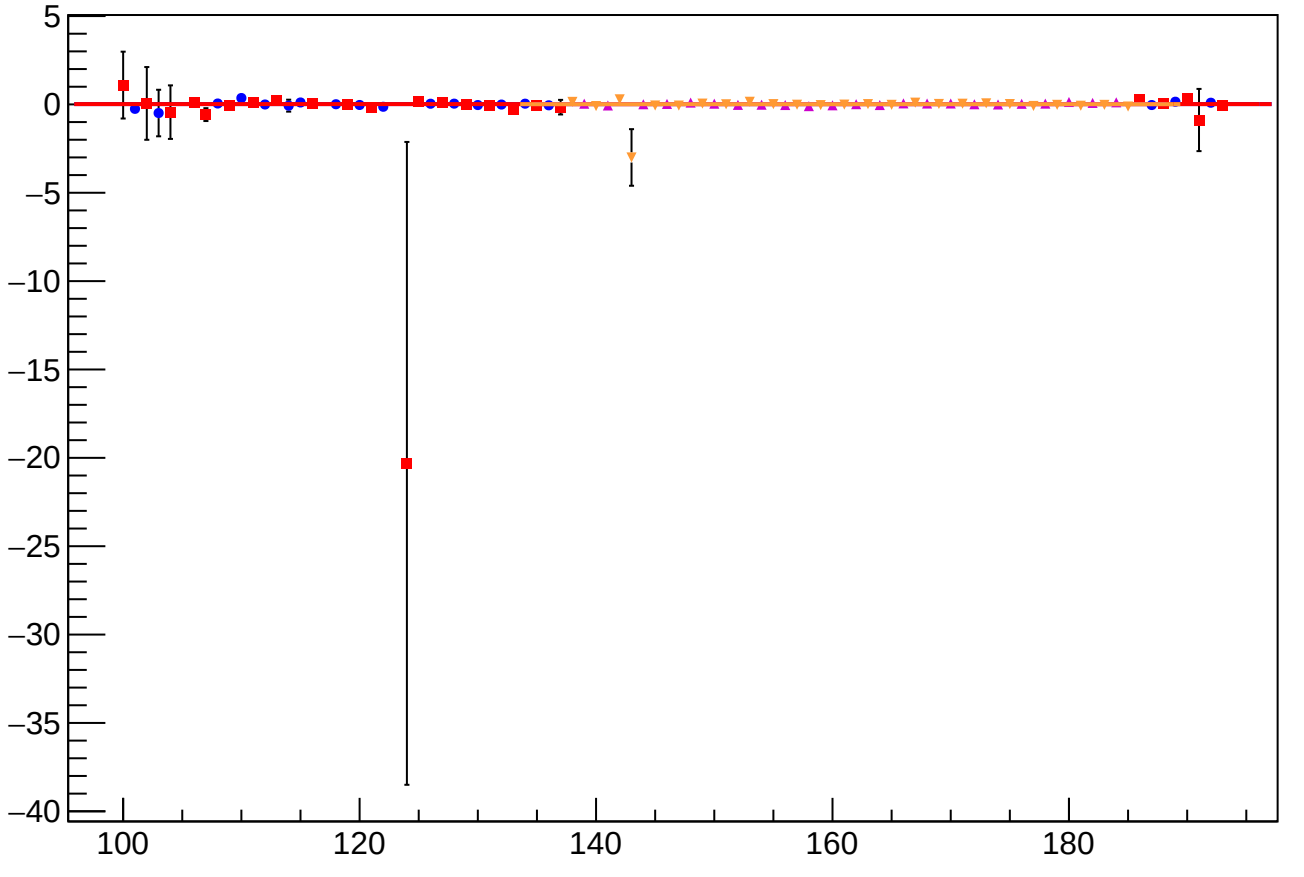
Right Out: 58.239+/-0.016 χ^2/NDF: 4359996.8/23

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.623+/-0.008 χ^2/NDF: 6526364.0/43

All: 49.944+/-0.005 χ^2/NDF: 13233287.5/90

- sign 49.295+/-0.008 χ^2/NDF: 6692240.9/46



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: 0.017+/-0.023 χ^2/NDF: 23.0/23

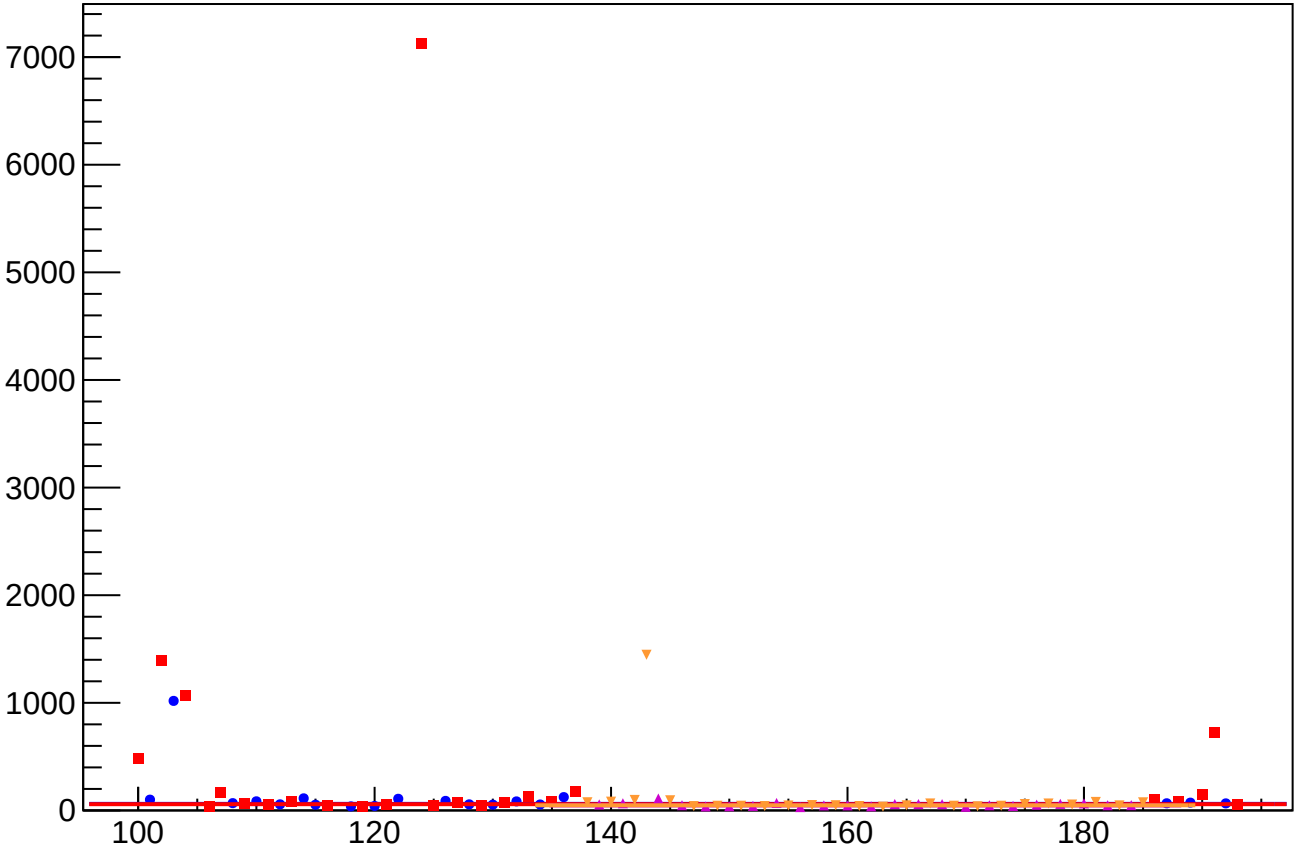
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 43.5/43

All: 0.015+/-0.008 χ^2/NDF: 87.0/90

- sign 0.018+/-0.011 χ^2/NDF: 43.3/46

asym_at1_avg_eigen_dit_vs_eigen_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

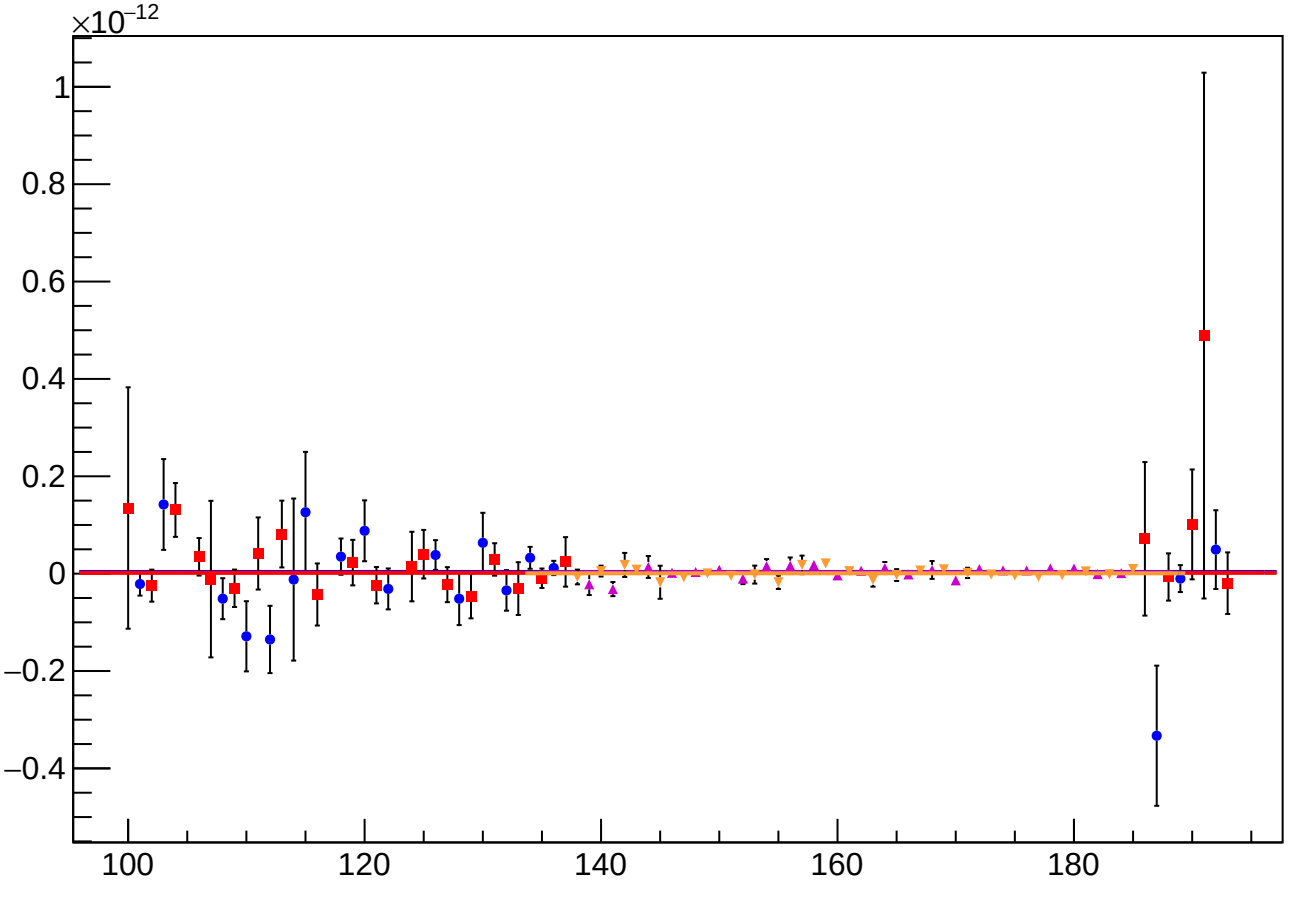
Right Out: 58.239+/-0.016 χ^2/NDF: 4359996.8/23

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.623+/-0.008 χ^2/NDF: 6526364.0/43

All: 49.944+/-0.005 χ^2/NDF: 13233287.5/90

- sign 49.295+/-0.008 χ^2/NDF: 6692240.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

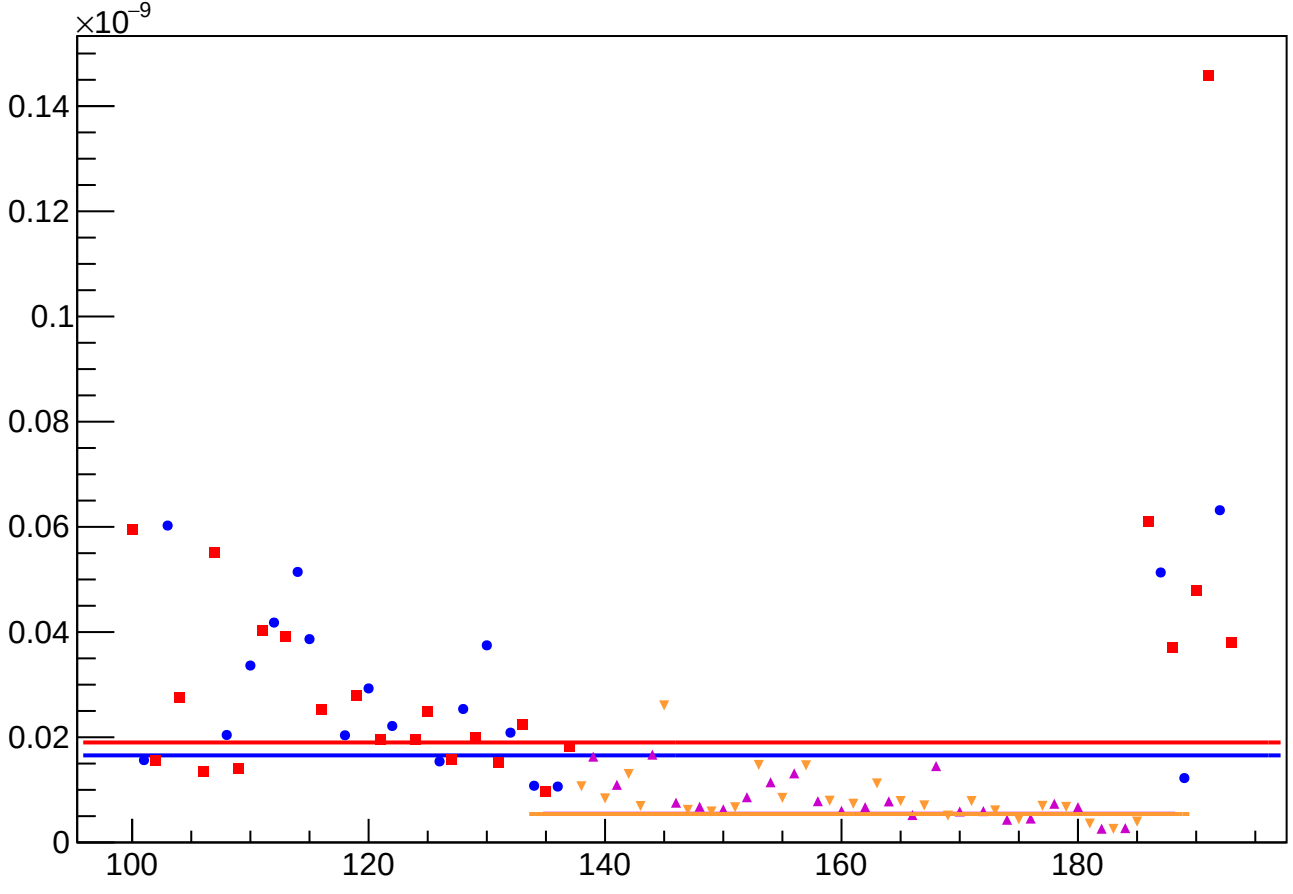
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/23

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: 82.5/90

- sign 0.000+/-0.000 χ^2/NDF: 38.0/46



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: 2091439.1/23

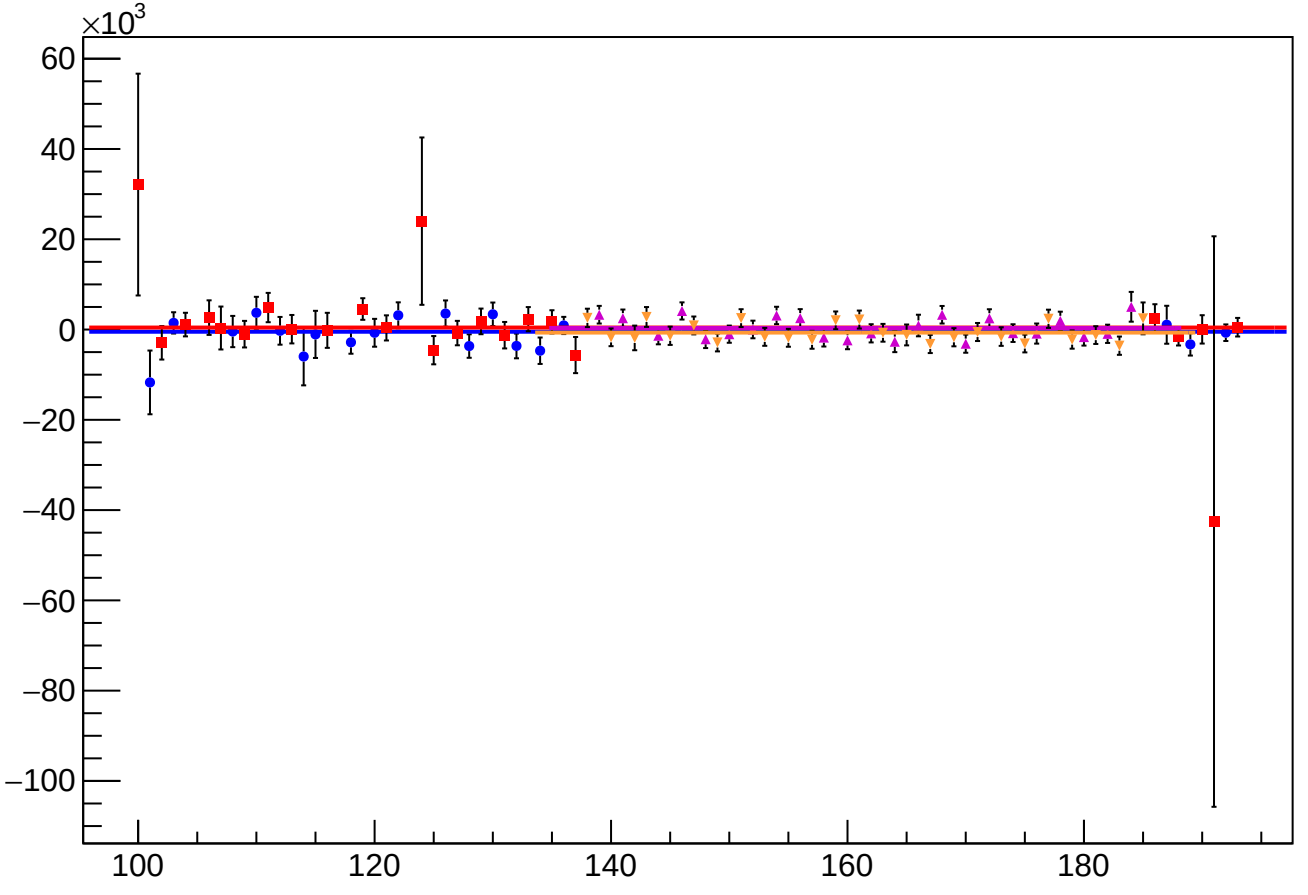
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11405593.1/43

All: 0.000+/-0.000 χ^2/NDF: 22397133.8/90

- sign 0.000+/-0.000 χ^2/NDF: 10990482.5/46

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: 441.436+/-625.729 χ^2/NDF: 18.0/23

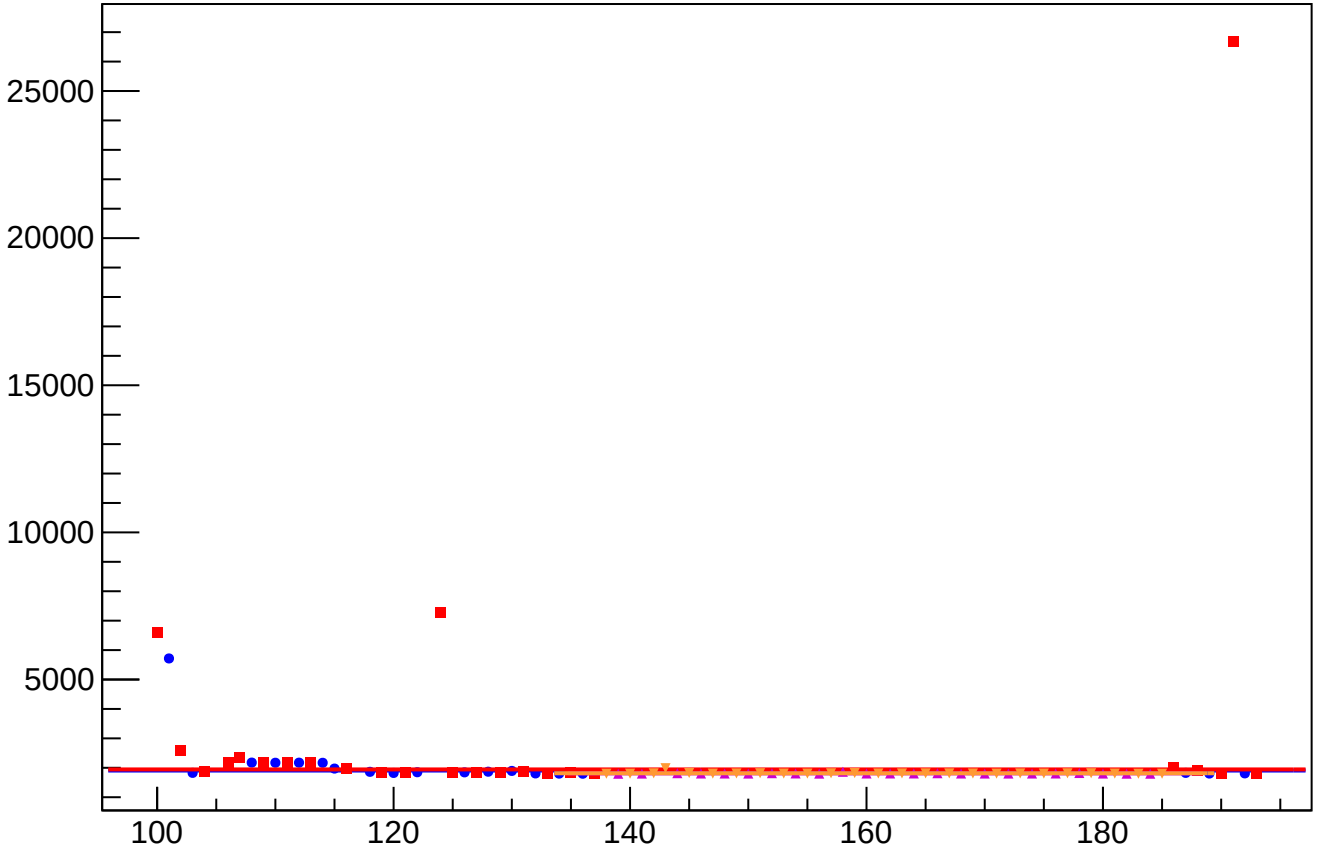
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -617.102+/-348.118 χ^2/NDF: 43.6/43

All: -124.706+/-246.916 χ^2/NDF: 95.7/90

- sign 373.808+/-350.274 χ^2/NDF: 48.1/46

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: 1944.496+/-0.442 χ^2/NDF: 704585.1/23

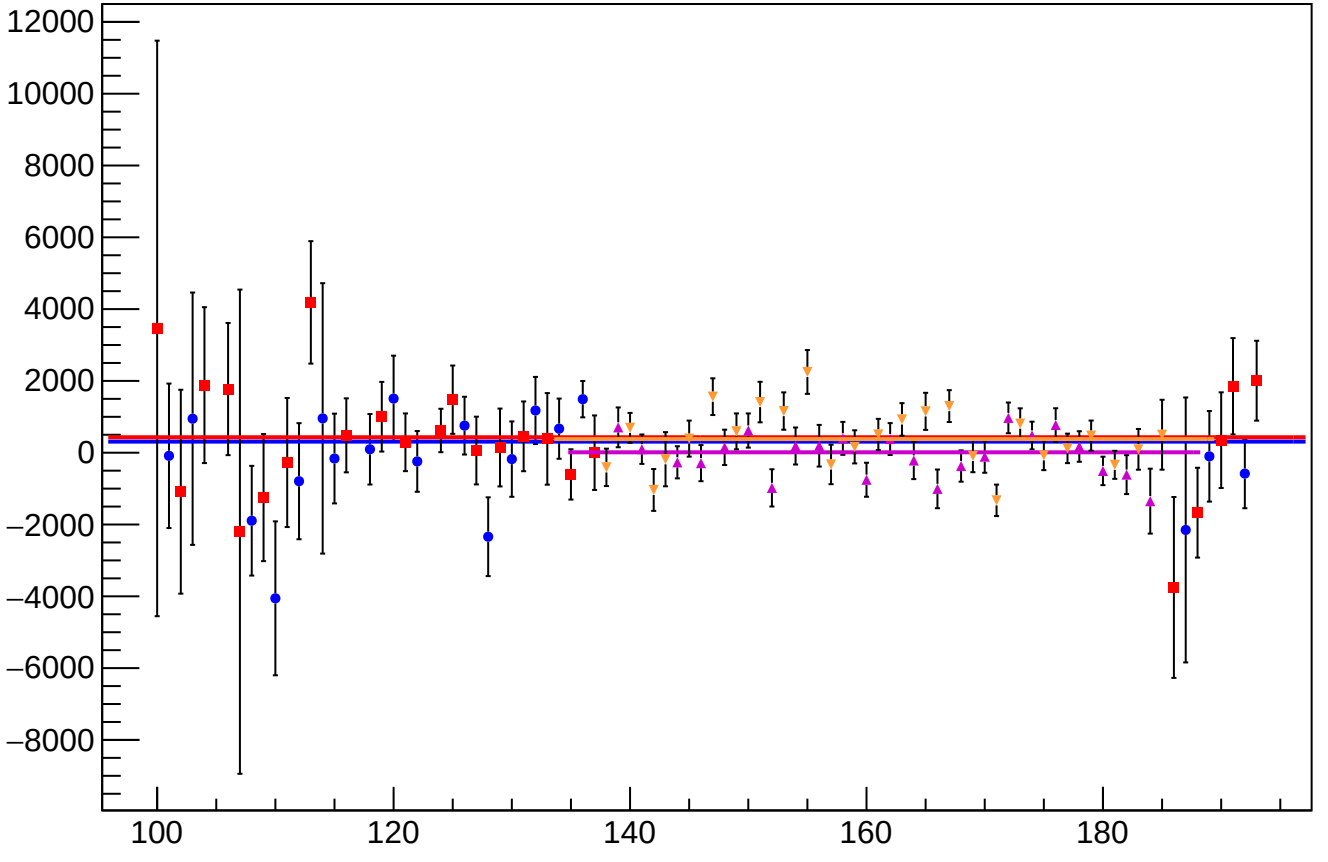
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1841.048+/-0.246 χ^2/NDF: 694493.8/43

All: 1846.719+/-0.175 χ^2/NDF: 1465129.9/90

- sign 1852.460+/-0.248 χ^2/NDF: 769568.1/46

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: 430.975+/-233.326 χ^2/NDF: 20.4/23

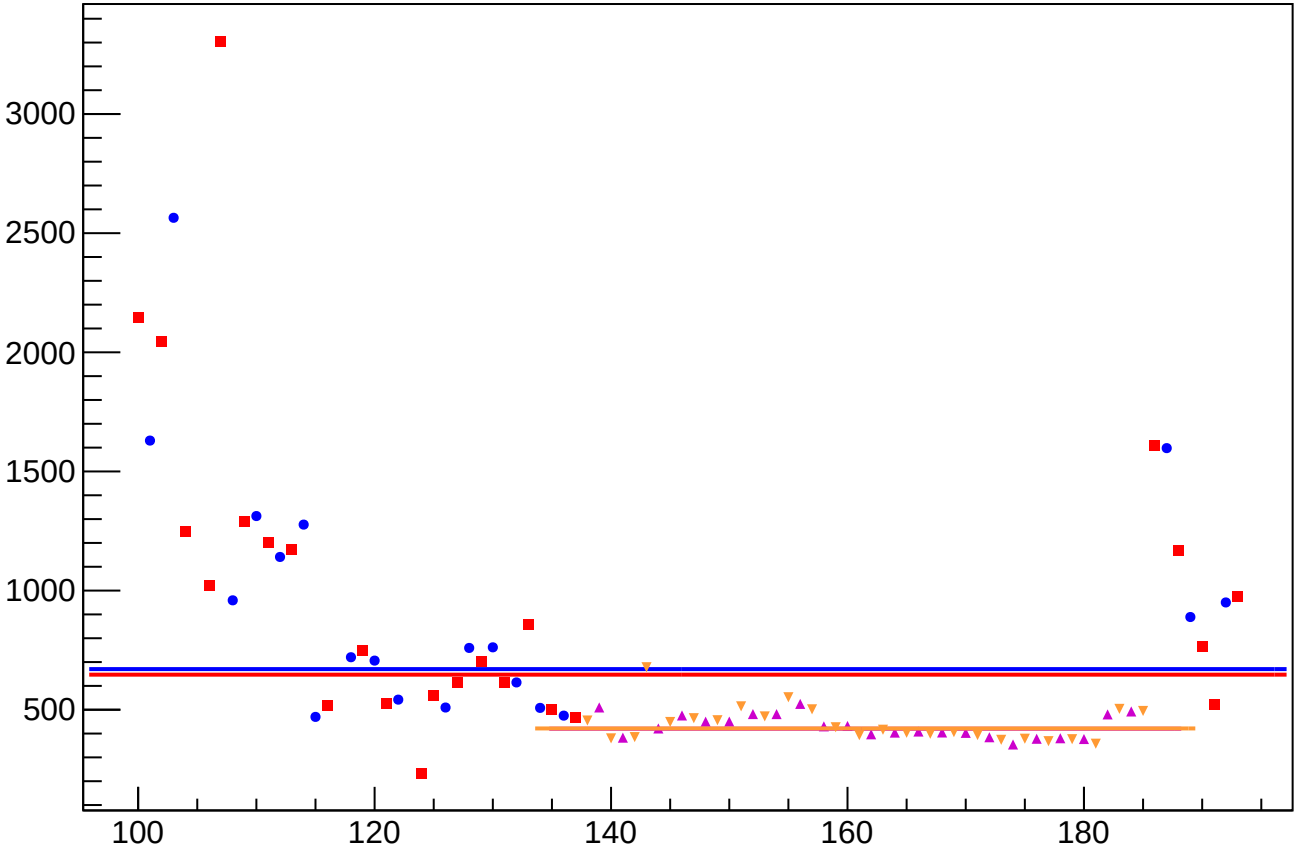
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 369.823+/-90.172 χ^2/NDF: 85.1/43

All: 224.192+/-64.093 χ^2/NDF: 144.6/90

- sign 75.494+/-91.117 χ^2/NDF: 54.3/46

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

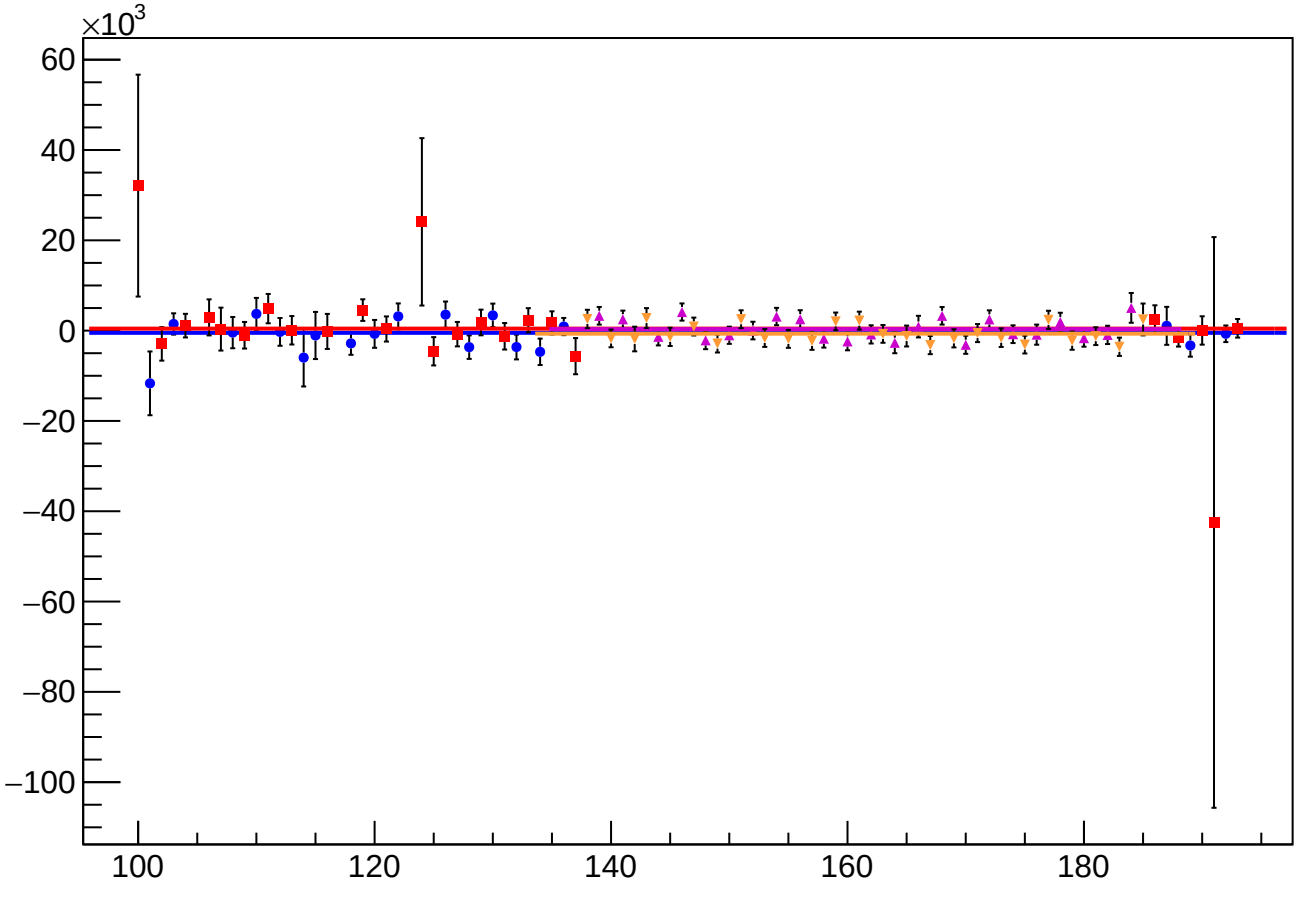
Right Out: 647.177+/-0.165 χ^2/NDF: 3857049.2/23

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 455.309+/-0.064 χ^2/NDF: 4992795.6/43

All: 455.074+/-0.045 χ^2/NDF: 10866691.5/90

- sign 454.833+/-0.064 χ^2/NDF: 5873868.2/46



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: 444.445+/-626.388 χ^2/NDF: 18.1/23

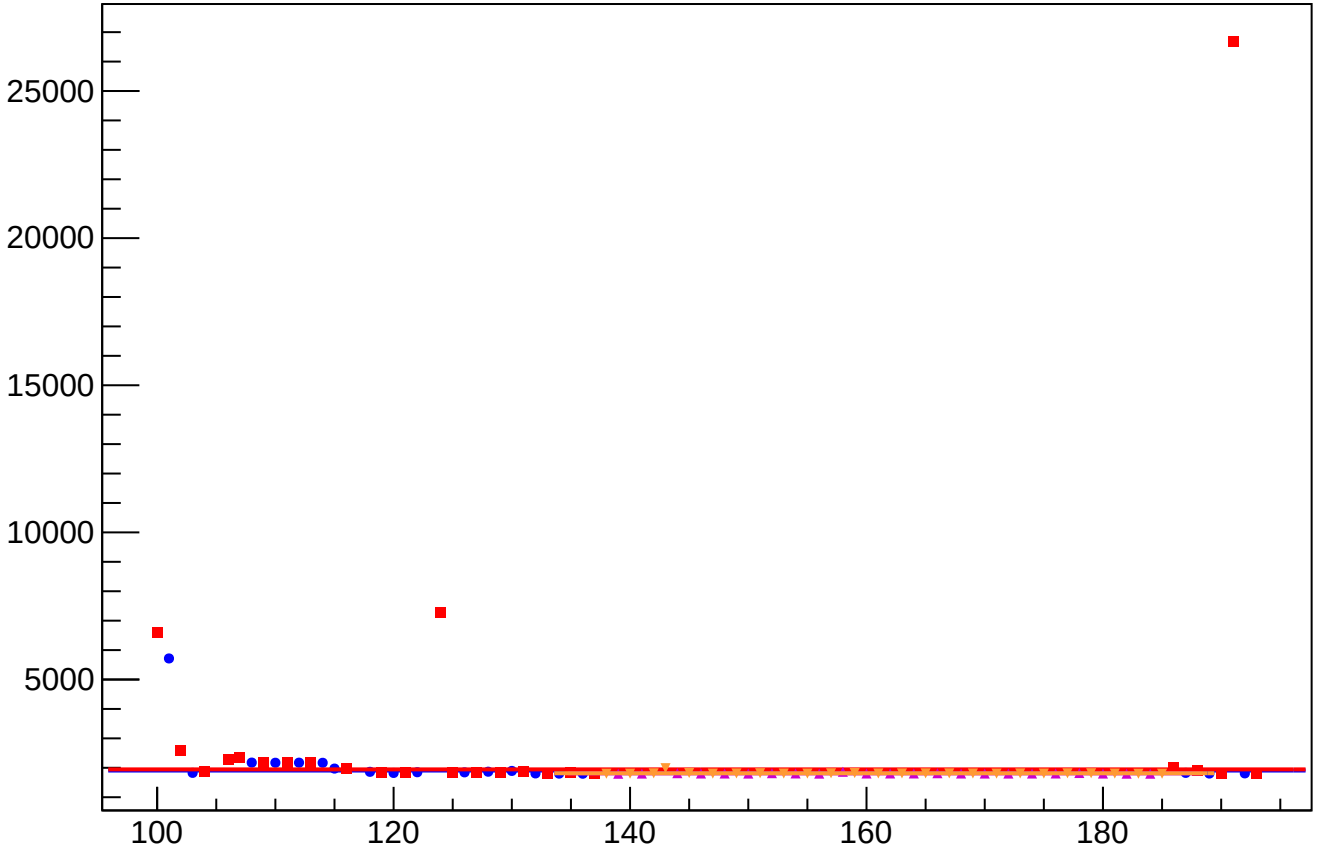
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

\+ sign -616.911+/-348.118 χ^2/NDF: 43.6/43

All: -124.313+/-246.956 χ^2/NDF: 95.7/90

\- sign 374.736+/-350.390 χ^2/NDF: 48.1/46

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: 1946.001+/-0.443 χ^2/NDF: 709774.0/23

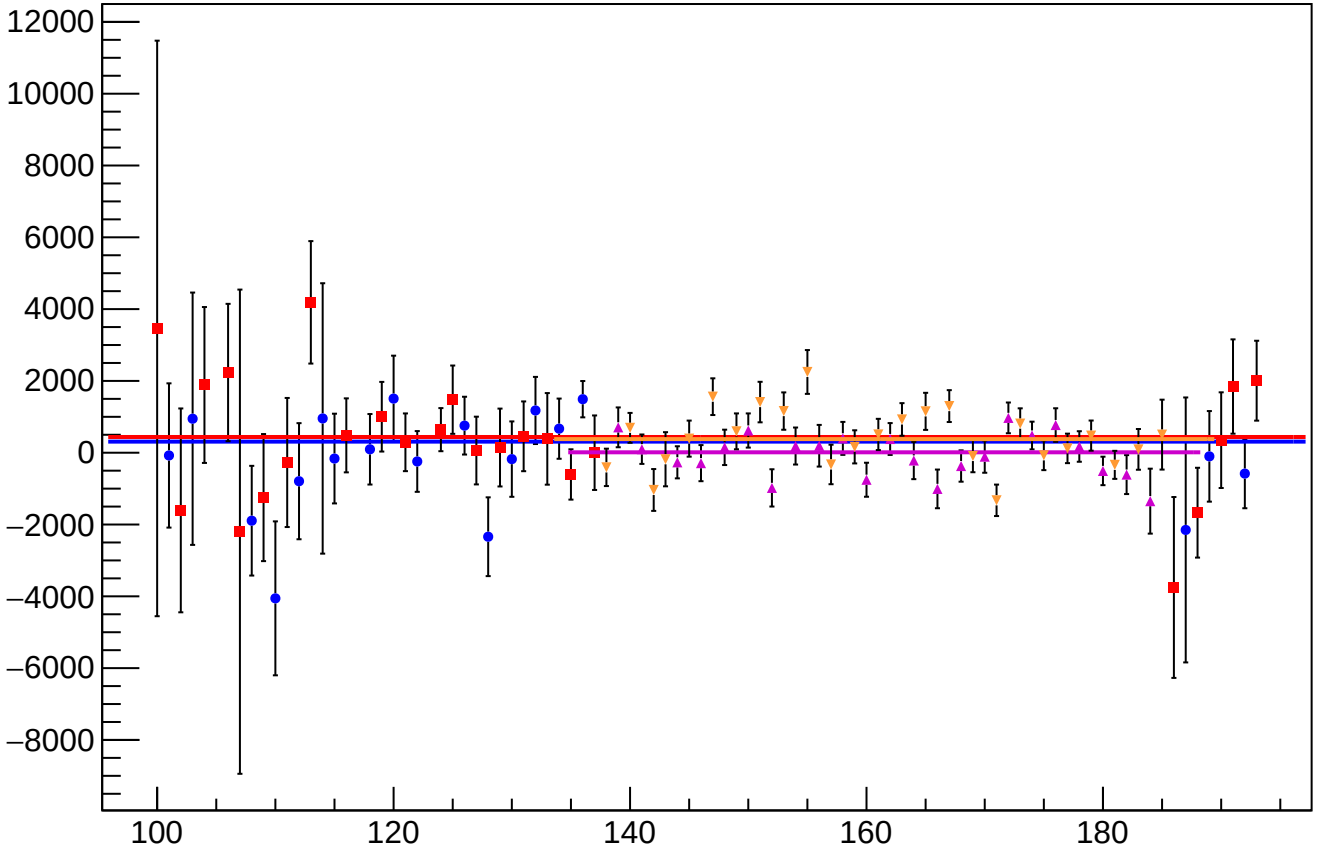
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1841.048+/-0.246 χ^2/NDF: 694493.7/43

All: 1846.921+/-0.175 χ^2/NDF: 1471726.2/90

- sign 1852.870+/-0.248 χ^2/NDF: 776086.8/46

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: 438.194+/-233.059 χ^2/NDF: 21.1/23

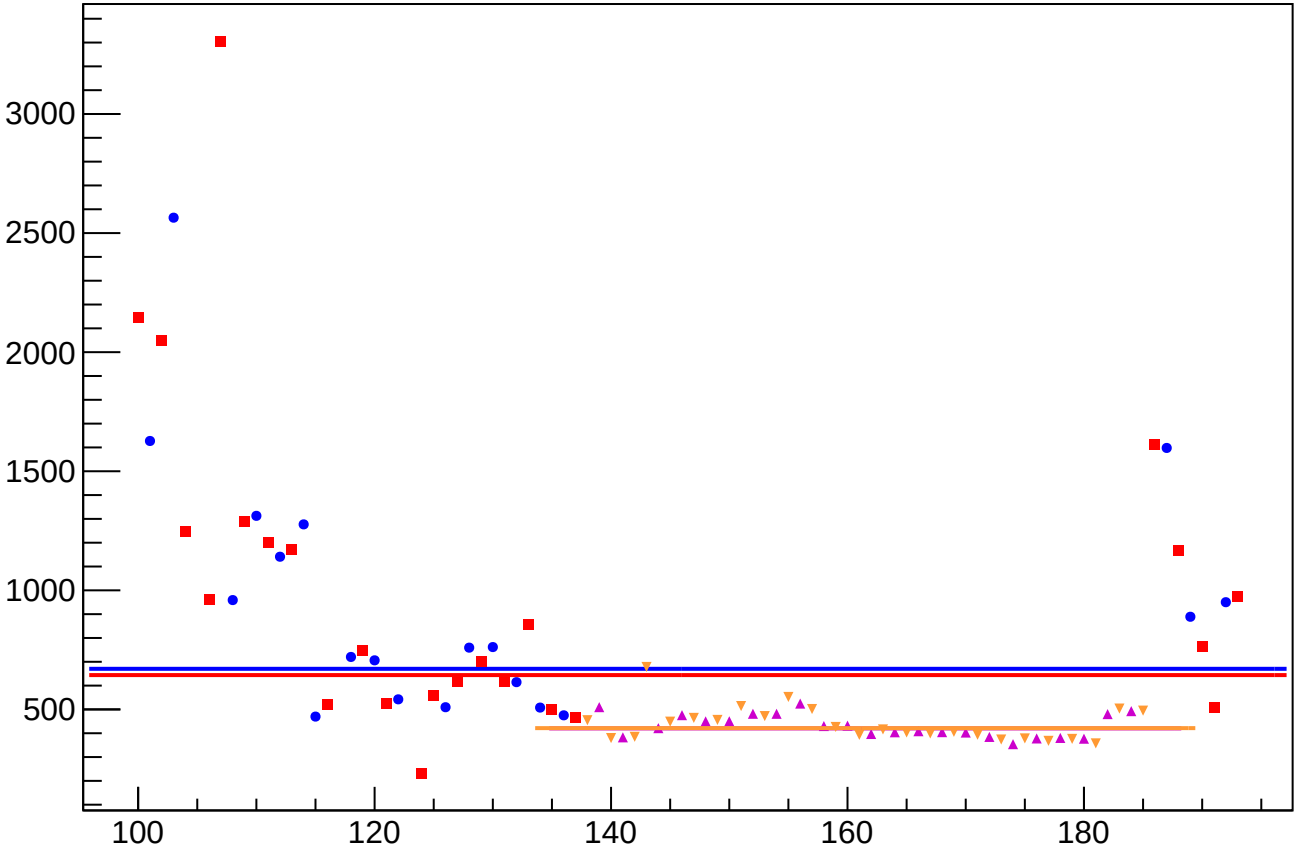
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 369.821+/-90.172 χ^2/NDF: 85.1/43

All: 224.776+/-64.087 χ^2/NDF: 145.3/90

- sign 76.730+/-91.100 χ^2/NDF: 55.1/46

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: 644.149+/-0.165 χ^2/NDF: 3856915.9/23

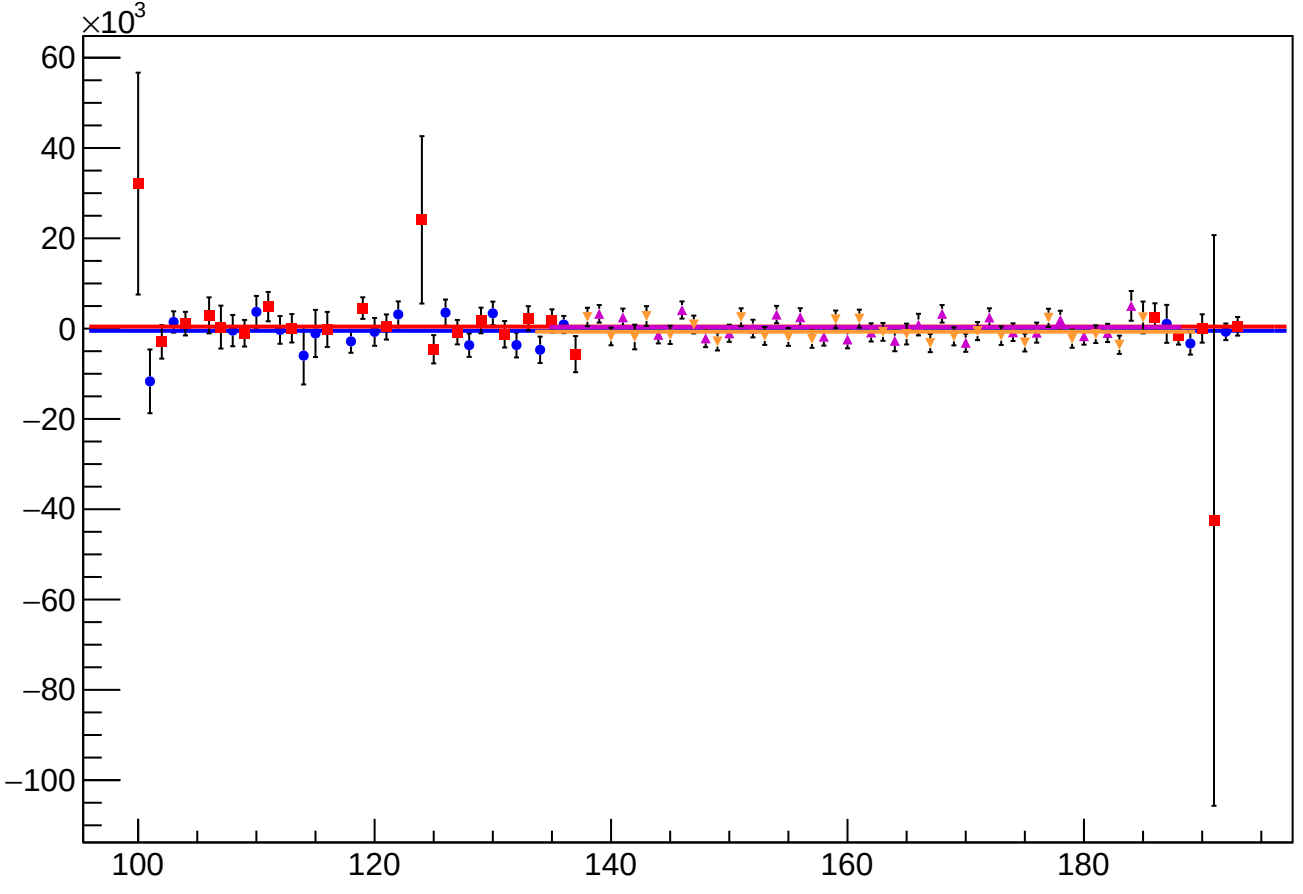
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 455.314+/-0.064 χ^2/NDF: 4991894.0/43

All: 454.878+/-0.045 χ^2/NDF: 10826351.4/90

- sign 454.434+/-0.064 χ^2/NDF: 5834363.1/46

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: 444.445+/-626.388 χ^2/NDF: 18.1/23

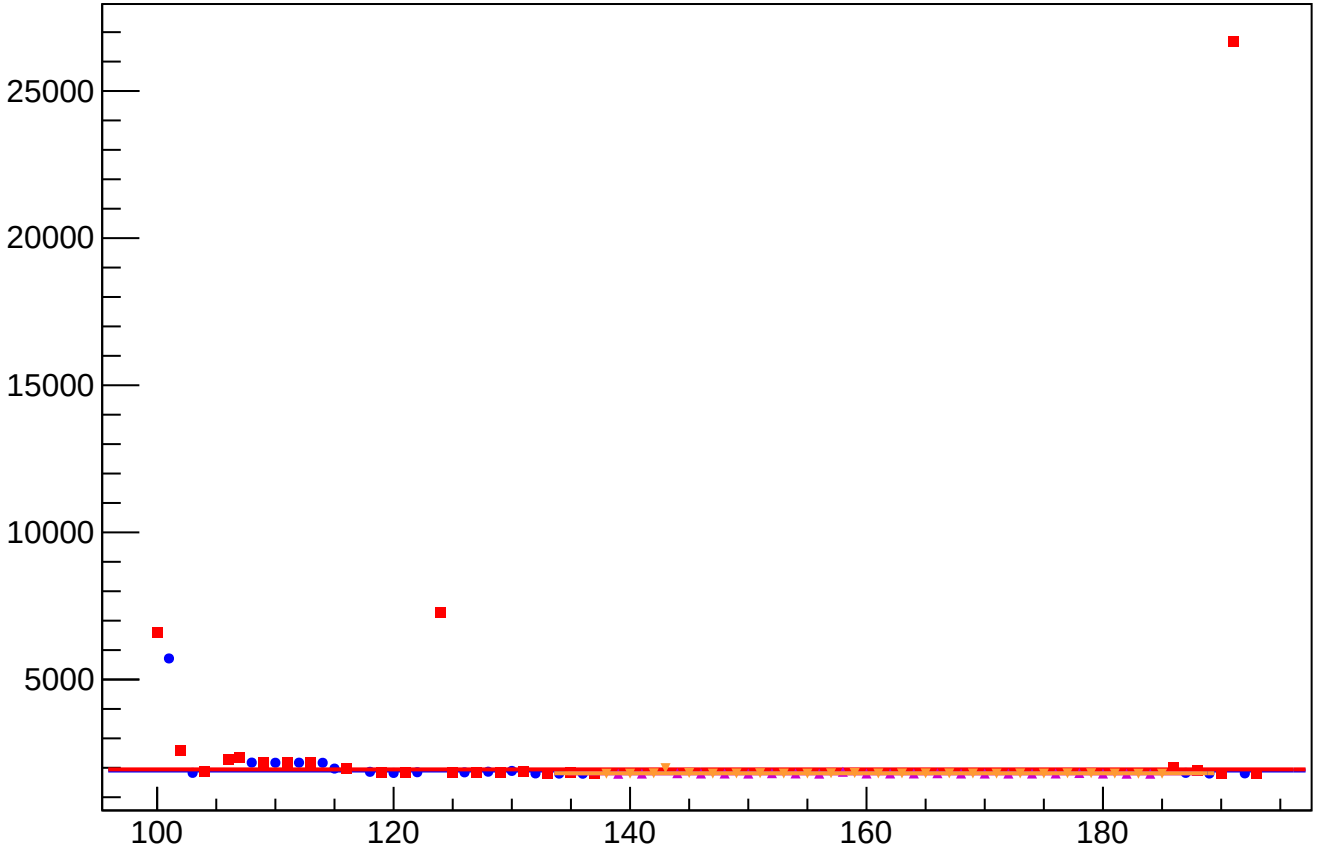
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -616.911+/-348.118 χ^2/NDF: 43.6/43

All: -124.313+/-246.956 χ^2/NDF: 95.7/90

- sign 374.736+/-350.390 χ^2/NDF: 48.1/46

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: 1946.001+/-0.443 χ^2/NDF: 709774.0/23

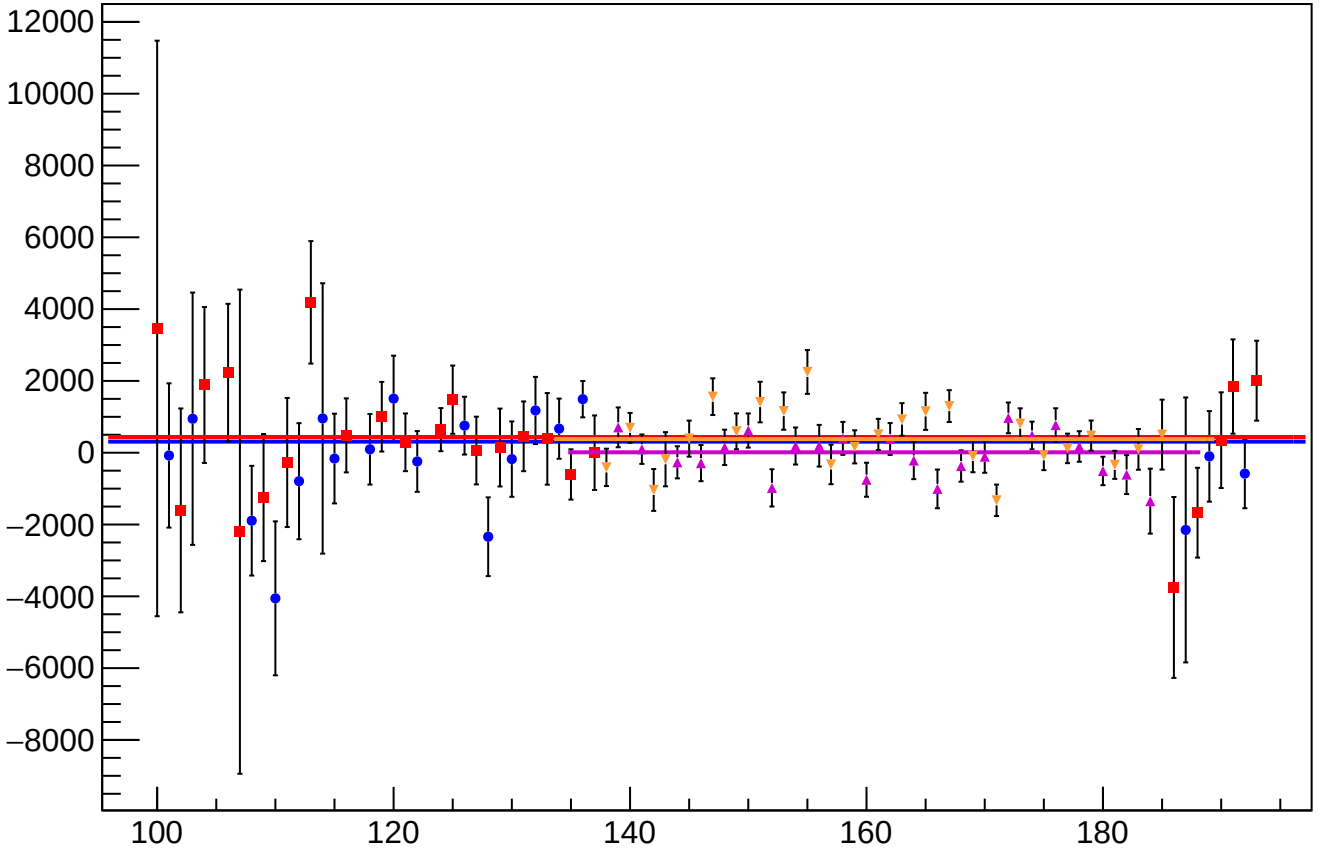
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1841.048+/-0.246 χ^2/NDF: 694493.7/43

All: 1846.921+/-0.175 χ^2/NDF: 1471726.2/90

- sign 1852.870+/-0.248 χ^2/NDF: 776086.8/46

asym_at1_dd_eigen_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: 438.194+/-233.059 χ^2/NDF: 21.1/23

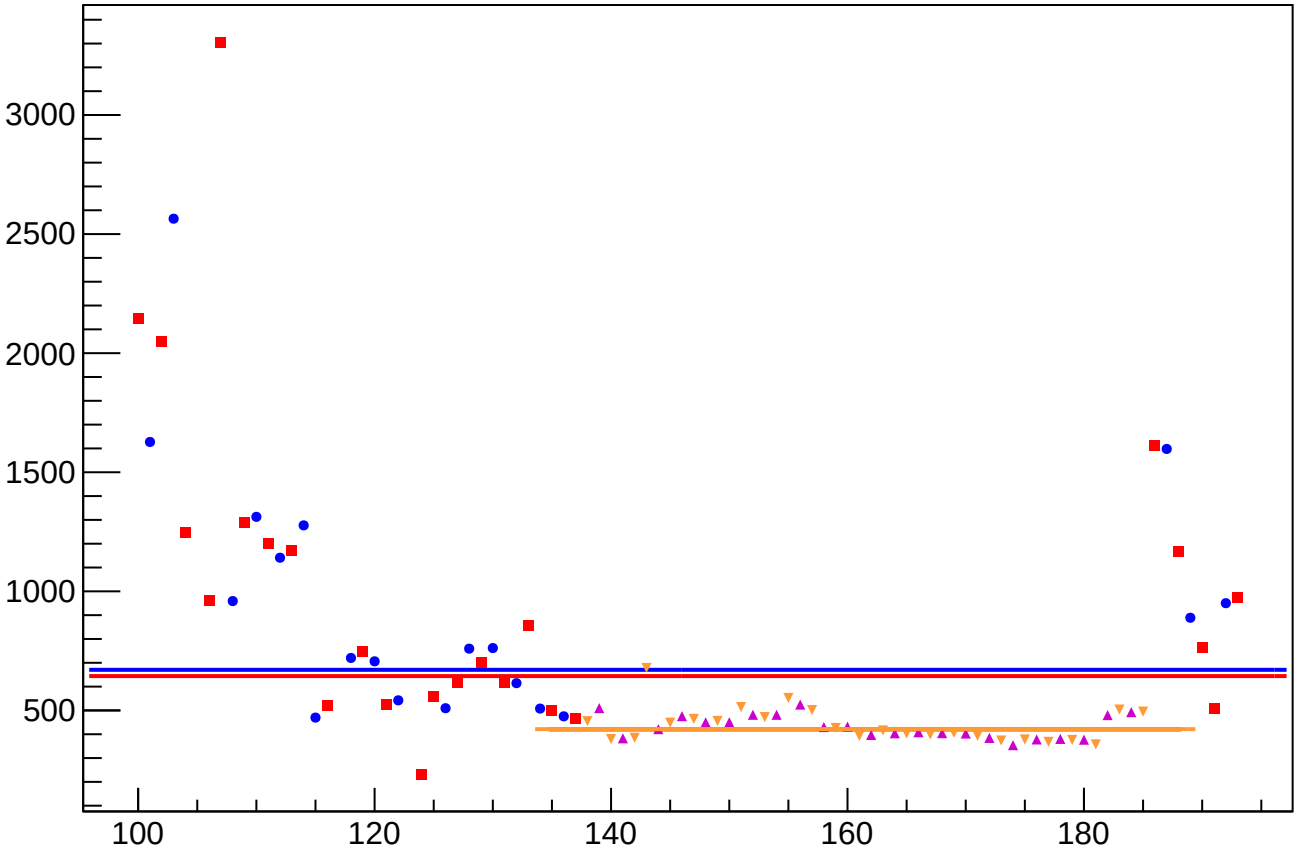
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 369.821+/-90.172 χ^2/NDF: 85.1/43

All: 224.776+/-64.087 χ^2/NDF: 145.3/90

- sign 76.730+/-91.100 χ^2/NDF: 55.1/46

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: 644.149+/-0.165 χ^2/NDF: 3856915.9/23

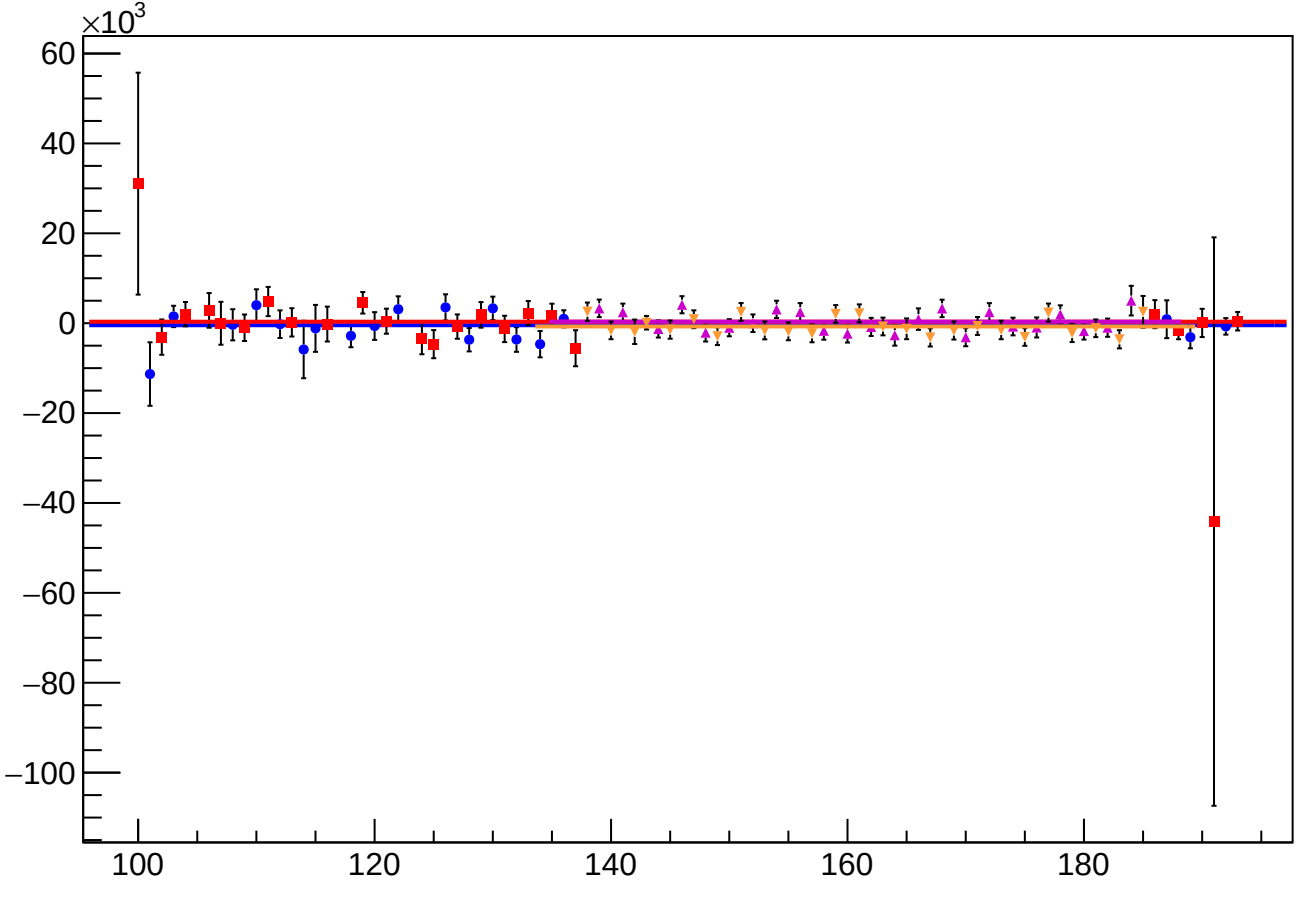
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 455.314+/-0.064 χ^2/NDF: 4991894.0/43

All: 454.878+/-0.045 χ^2/NDF: 10826351.4/90

- sign 454.434+/-0.064 χ^2/NDF: 5834363.1/46

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: 331.724+/-619.402 χ^2/NDF: 17.5/23

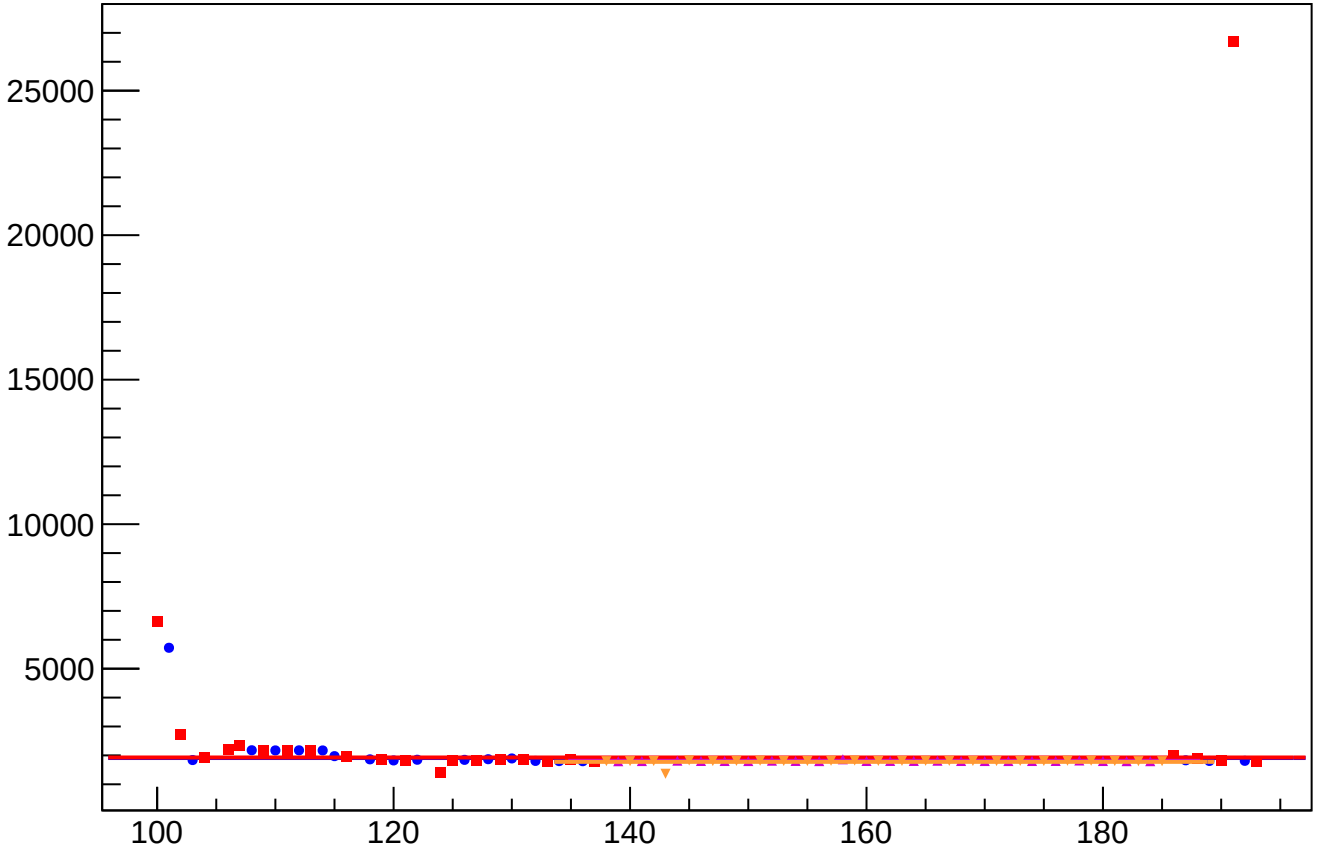
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -649.037+/-343.493 χ^2/NDF: 40.8/43

All: -163.601+/-244.891 χ^2/NDF: 92.0/90

- sign 338.203+/-349.235 χ^2/NDF: 47.1/46

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: 1927.536+/-0.438 χ^2/NDF: 598510.8/23

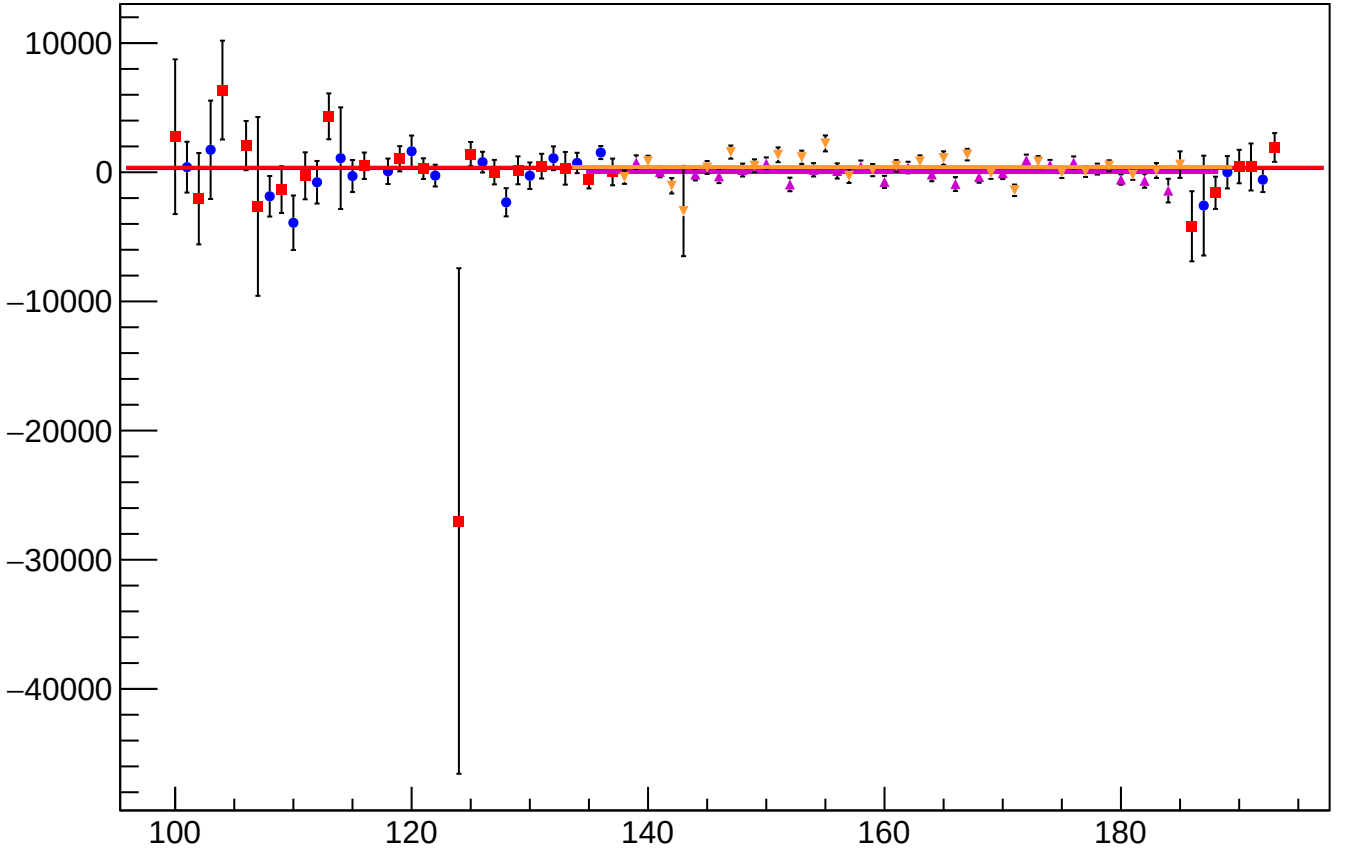
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.597+/-0.243 χ^2/NDF: 873085.5/43

All: 1830.565+/-0.173 χ^2/NDF: 1531706.0/90

- sign 1848.104+/-0.247 χ^2/NDF: 648696.1/46

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: 352.134+/-255.856 χ^2/NDF: 23.1/23

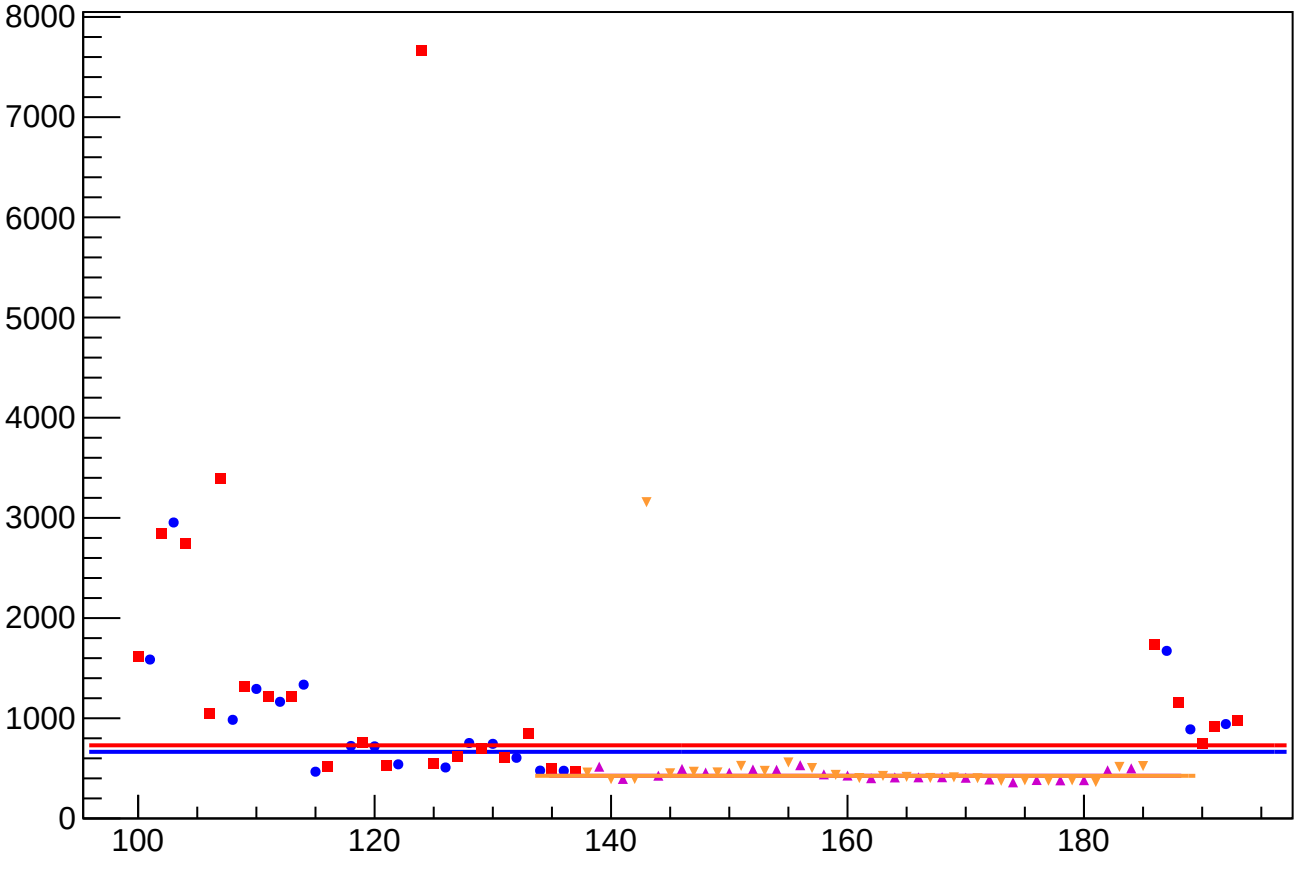
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 388.415+/-91.802 χ^2/NDF: 83.7/43

All: 229.648+/-65.455 χ^2/NDF: 145.2/90

- sign 65.475+/-93.352 χ^2/NDF: 55.4/46

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: 729.960+/-0.181 χ^2/NDF: 3775559.4/23

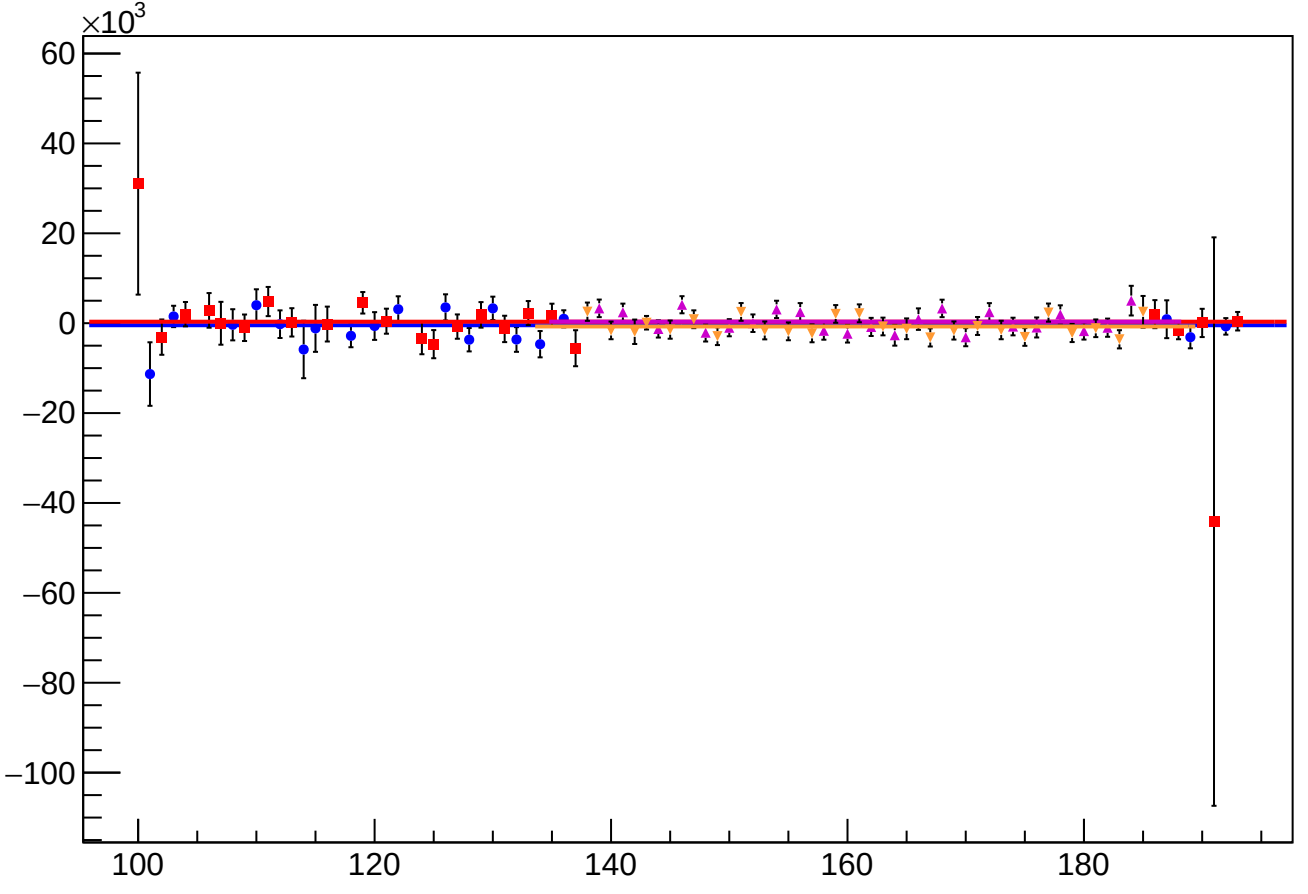
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 459.909+/-0.065 χ^2/NDF: 6020324.3/43

All: 463.193+/-0.046 χ^2/NDF: 12661143.3/90

- sign 466.589+/-0.066 χ^2/NDF: 6635611.8/46

eigen_dit_asym_at1_dd_mean vs Slug



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: 331.723+/-619.402 χ^2/NDF: 17.5/23

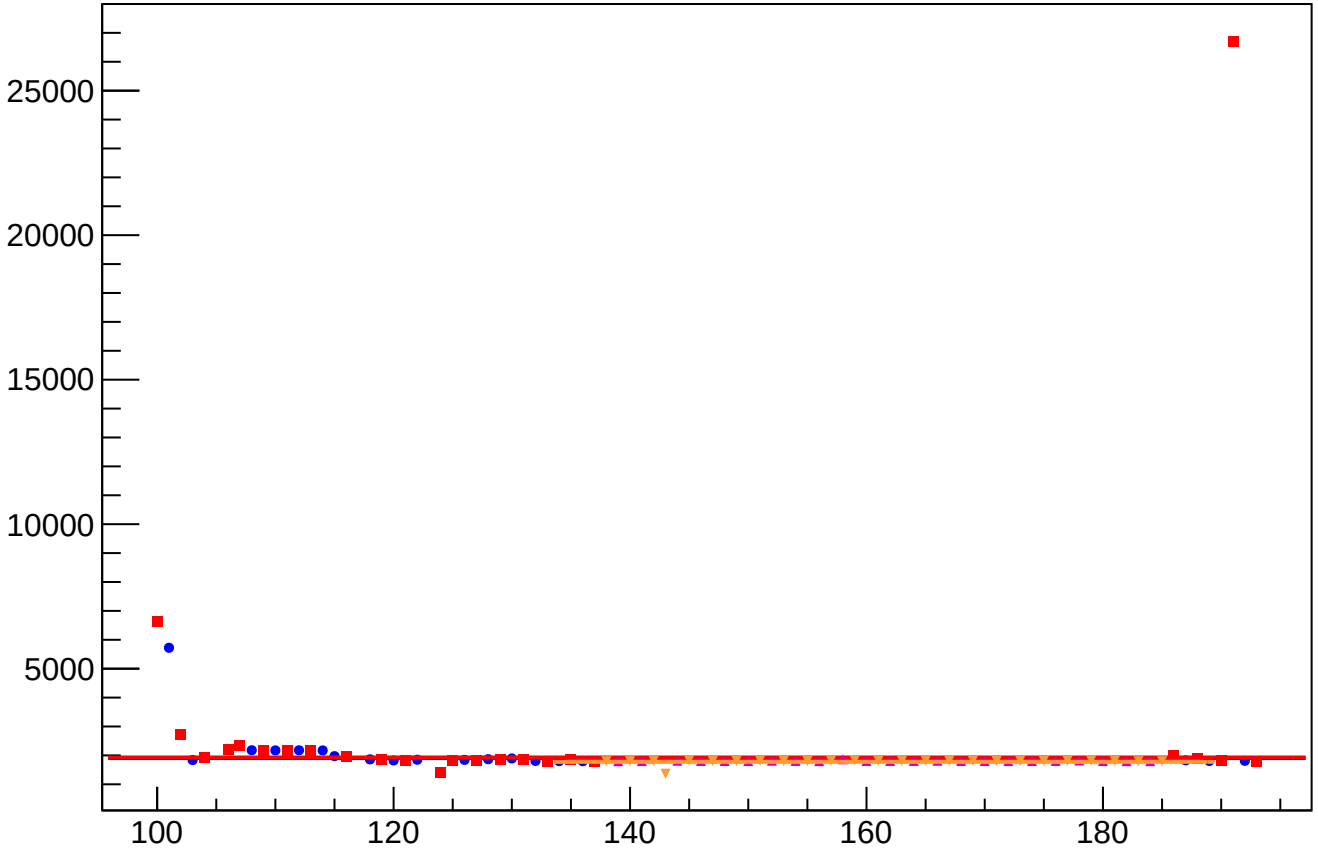
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

\+ sign -649.038+/-343.493 χ^2/NDF: 40.8/43

All: -163.601+/-244.891 χ^2/NDF: 92.0/90

\- sign 338.203+/-349.235 χ^2/NDF: 47.1/46

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

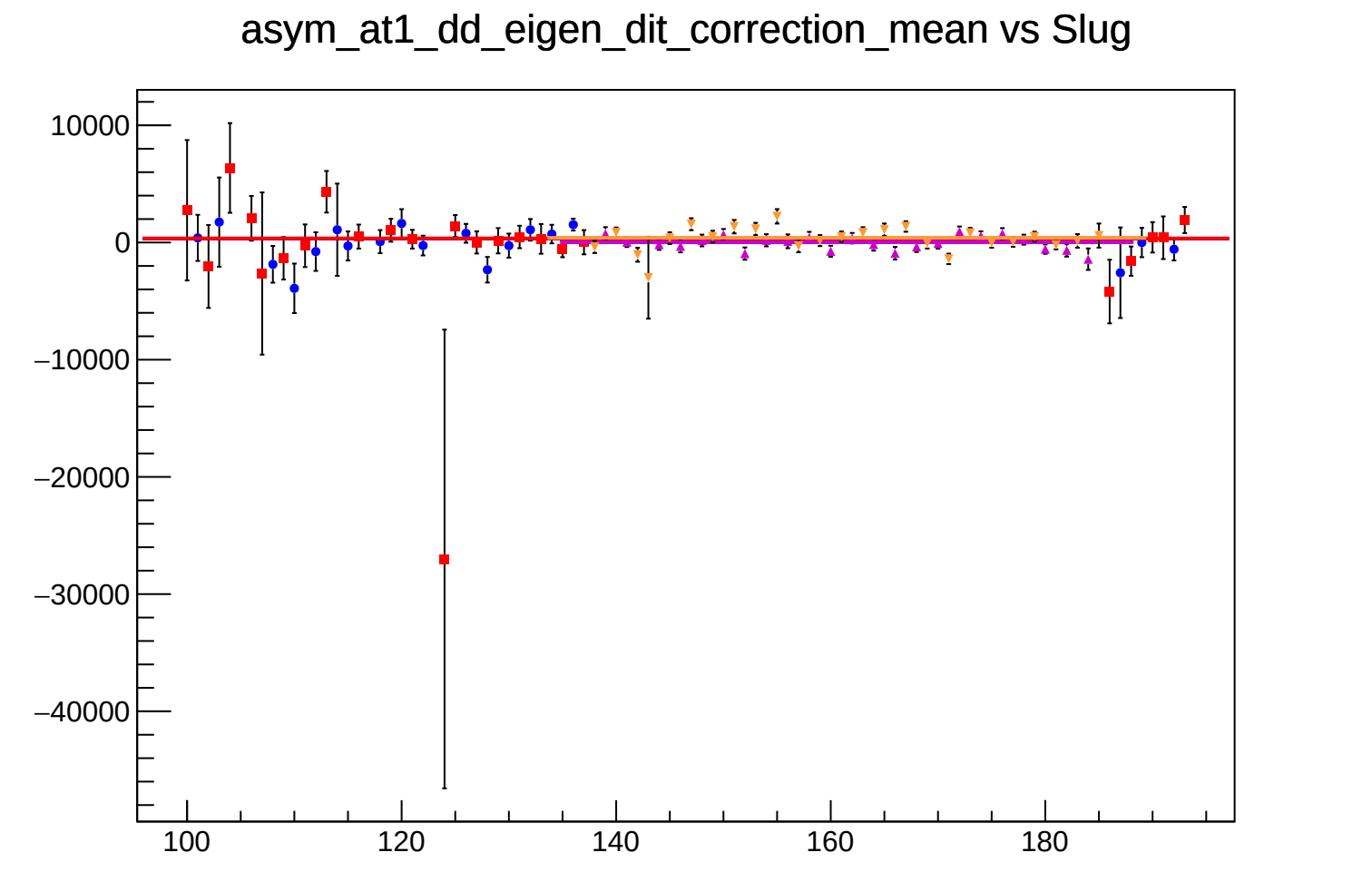
Right Out: 1927.536+/-0.438 χ^2/NDF: 598510.6/23

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.597+/-0.243 χ^2/NDF: 873085.5/43

All: 1830.565+/-0.173 χ^2/NDF: 1531705.8/90

- sign 1848.104+/-0.247 χ^2/NDF: 648695.9/46



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: 352.135+/-255.856 χ^2/NDF: 23.1/23

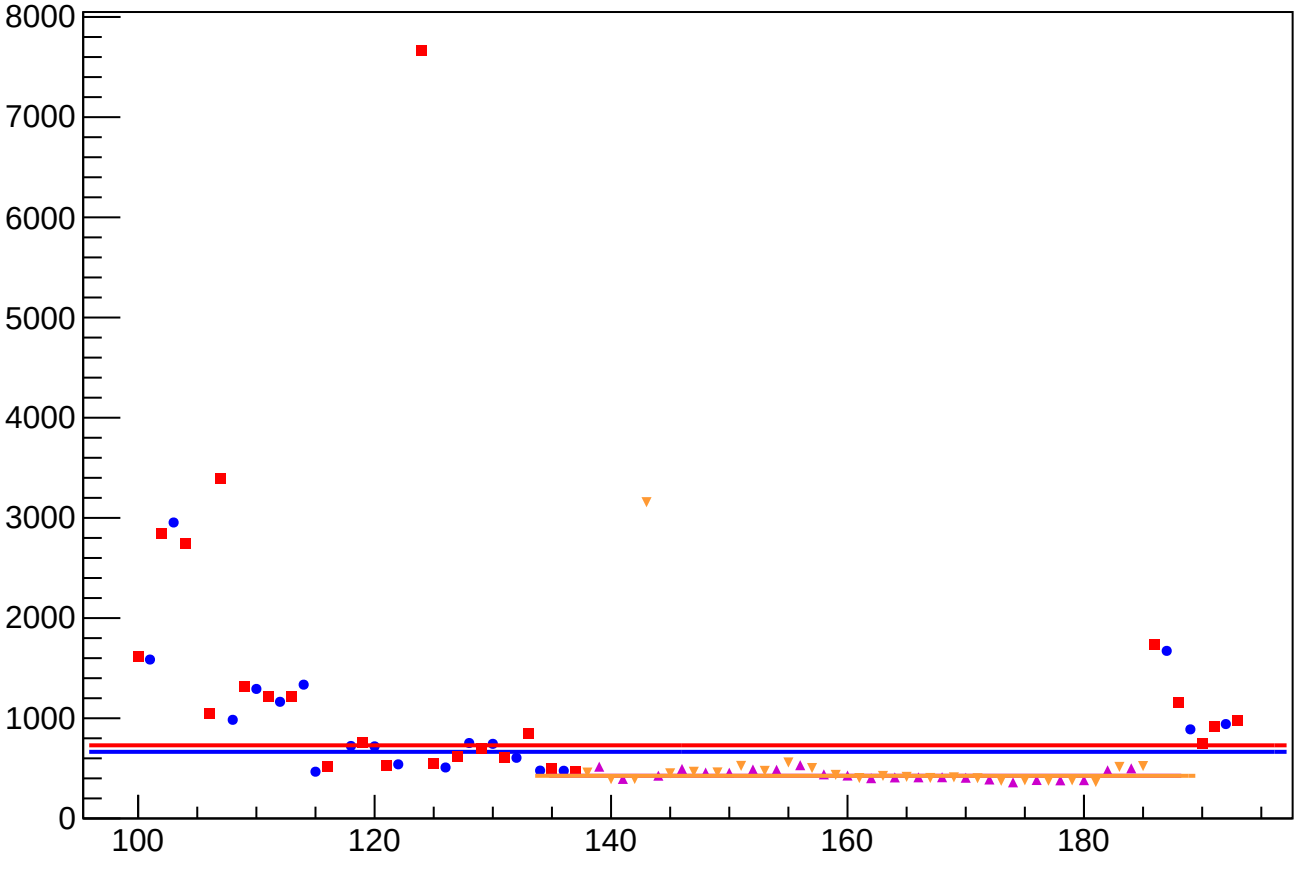
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 388.414+/-91.802 χ^2/NDF: 83.7/43

All: 229.647+/-65.455 χ^2/NDF: 145.2/90

- sign 65.474+/-93.352 χ^2/NDF: 55.4/46

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: 729.960+/-0.181 χ^2/NDF: 3775561.0/23

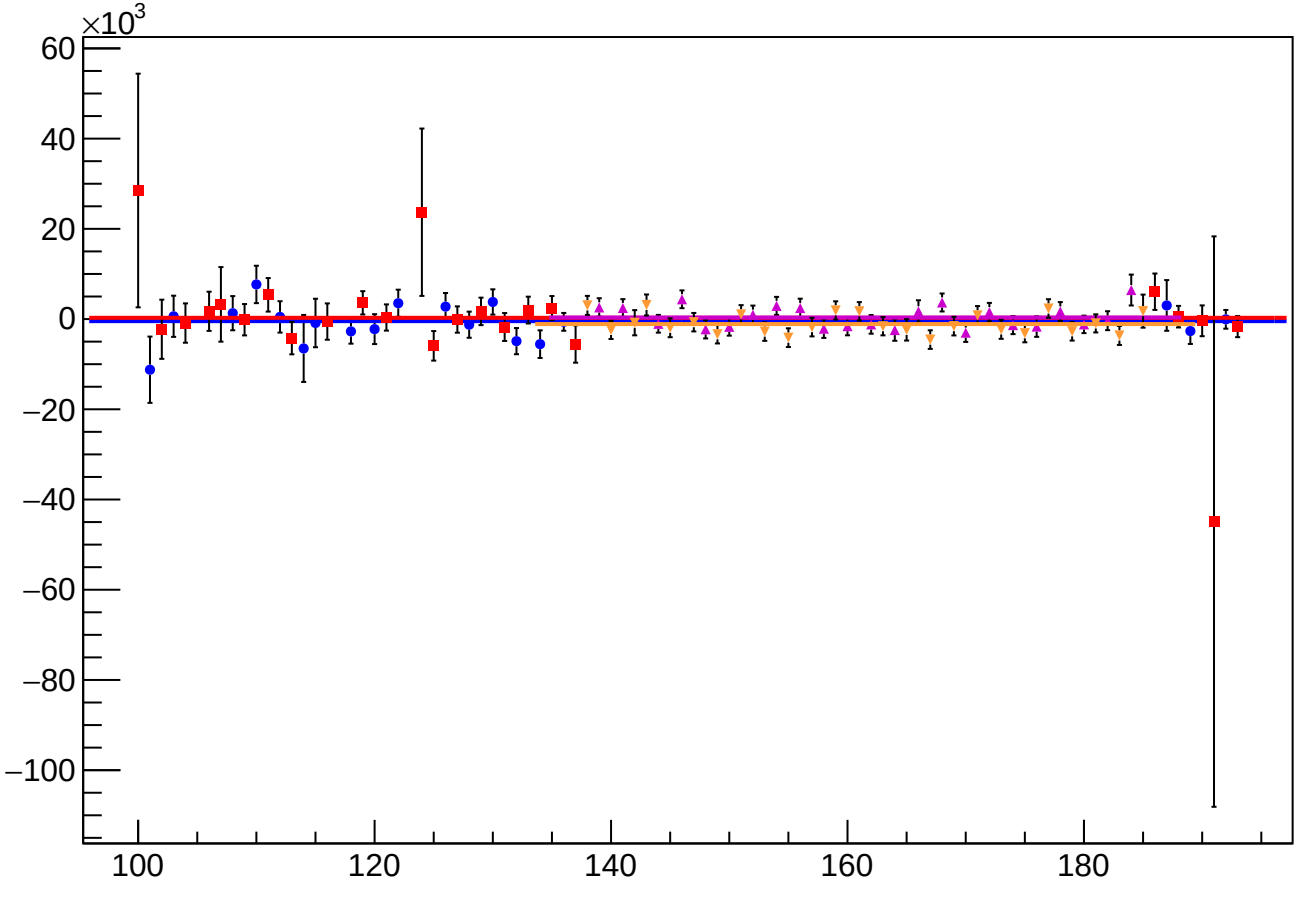
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 459.908+/-0.065 χ^2/NDF: 6020328.0/43

All: 463.193+/-0.046 χ^2/NDF: 12661152.7/90

- sign 466.589+/-0.066 χ^2/NDF: 6635617.4/46

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: 279.003+/-715.970 χ^2/NDF: 18.9/23

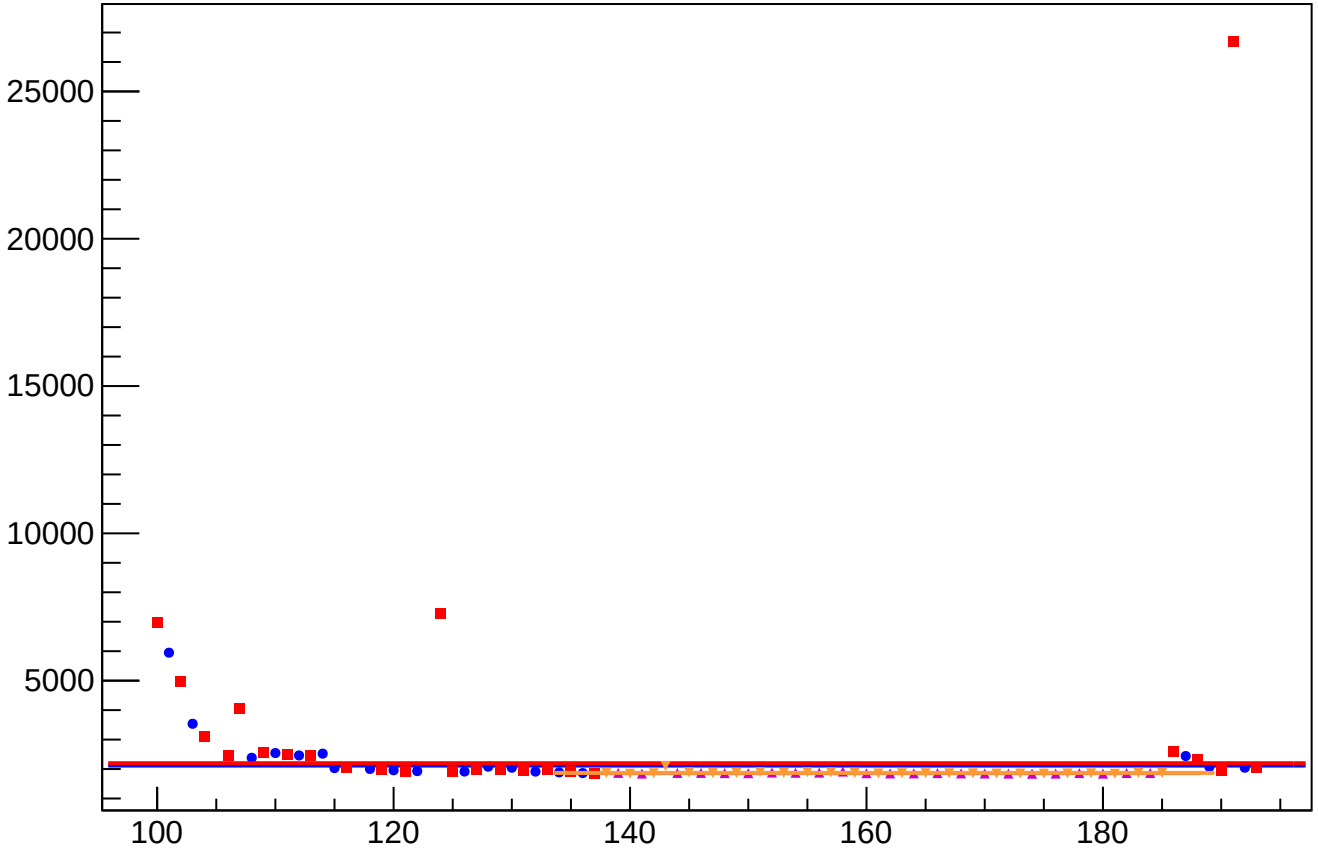
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -941.843+/-366.721 χ^2/NDF: 48.0/43

All: -315.225+/-261.064 χ^2/NDF: 101.6/90

- sign 328.624+/-371.729 χ^2/NDF: 47.7/46

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: 2198.028+/-0.506 χ^2/NDF: 1287567.6/23

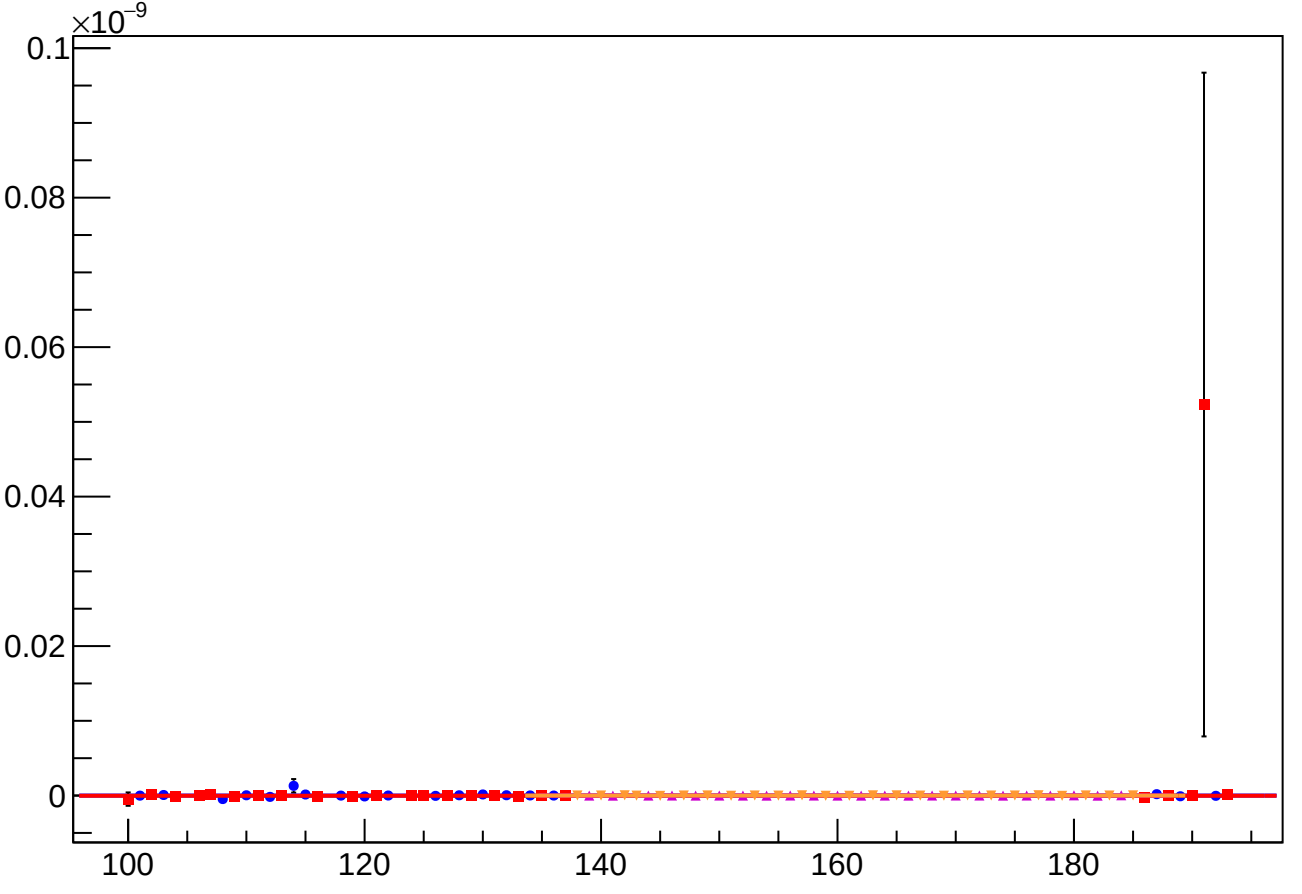
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1932.492+/-0.259 χ^2/NDF: 1084346.5/43

All: 1942.699+/-0.185 χ^2/NDF: 2697977.8/90

- sign 1953.187+/-0.263 χ^2/NDF: 1610489.8/46

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: 16.1/23

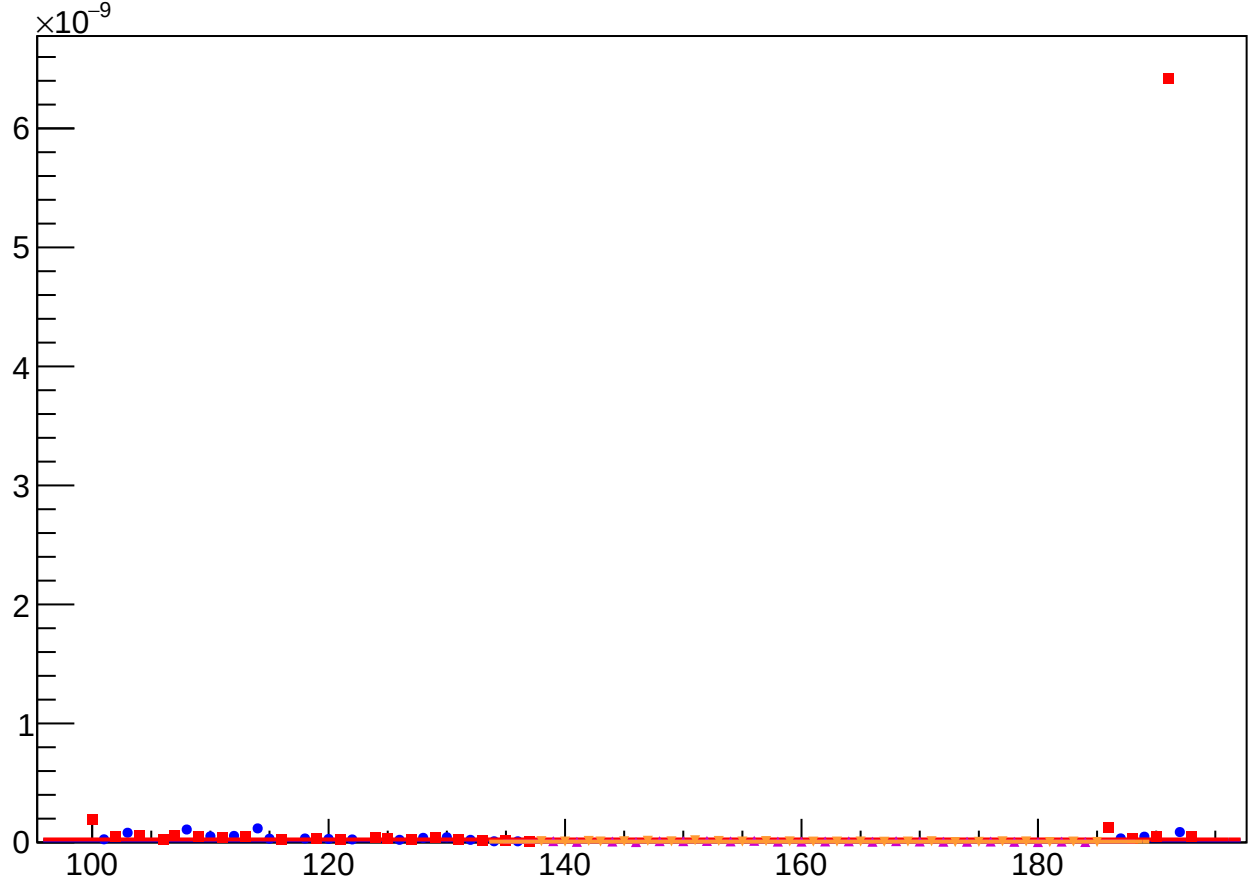
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.9/43

All: 0.000+/-0.000 χ^2/NDF: 100.4/90

- sign 0.000+/-0.000 χ^2/NDF: 38.0/46

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: 1944882.3/23

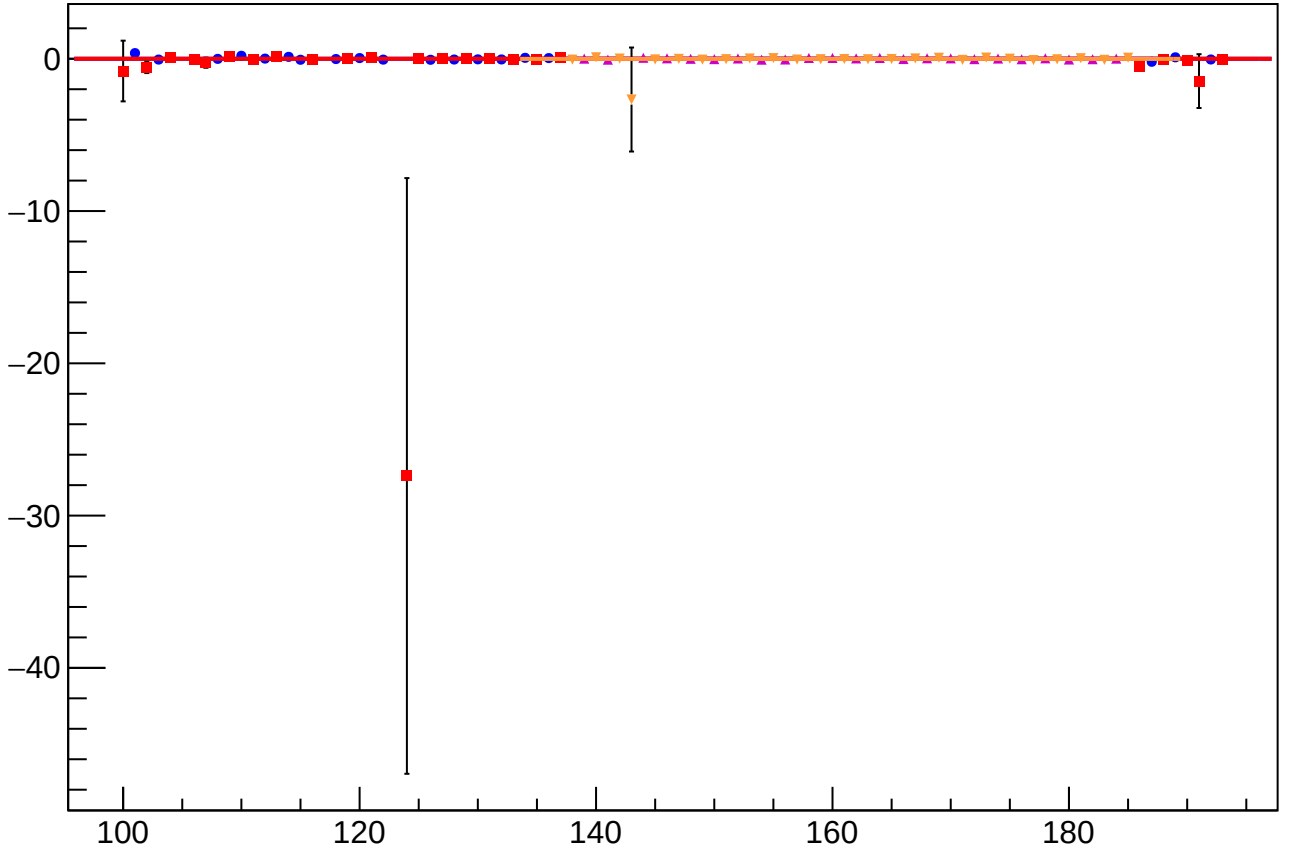
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6510542.6/43

All: 0.000+/-0.000 χ^2/NDF: 12764957.0/90

- sign 0.000+/-0.000 χ^2/NDF: 6252265.8/46

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: 0.001+/-0.014 χ^2/NDF: 23.7/23

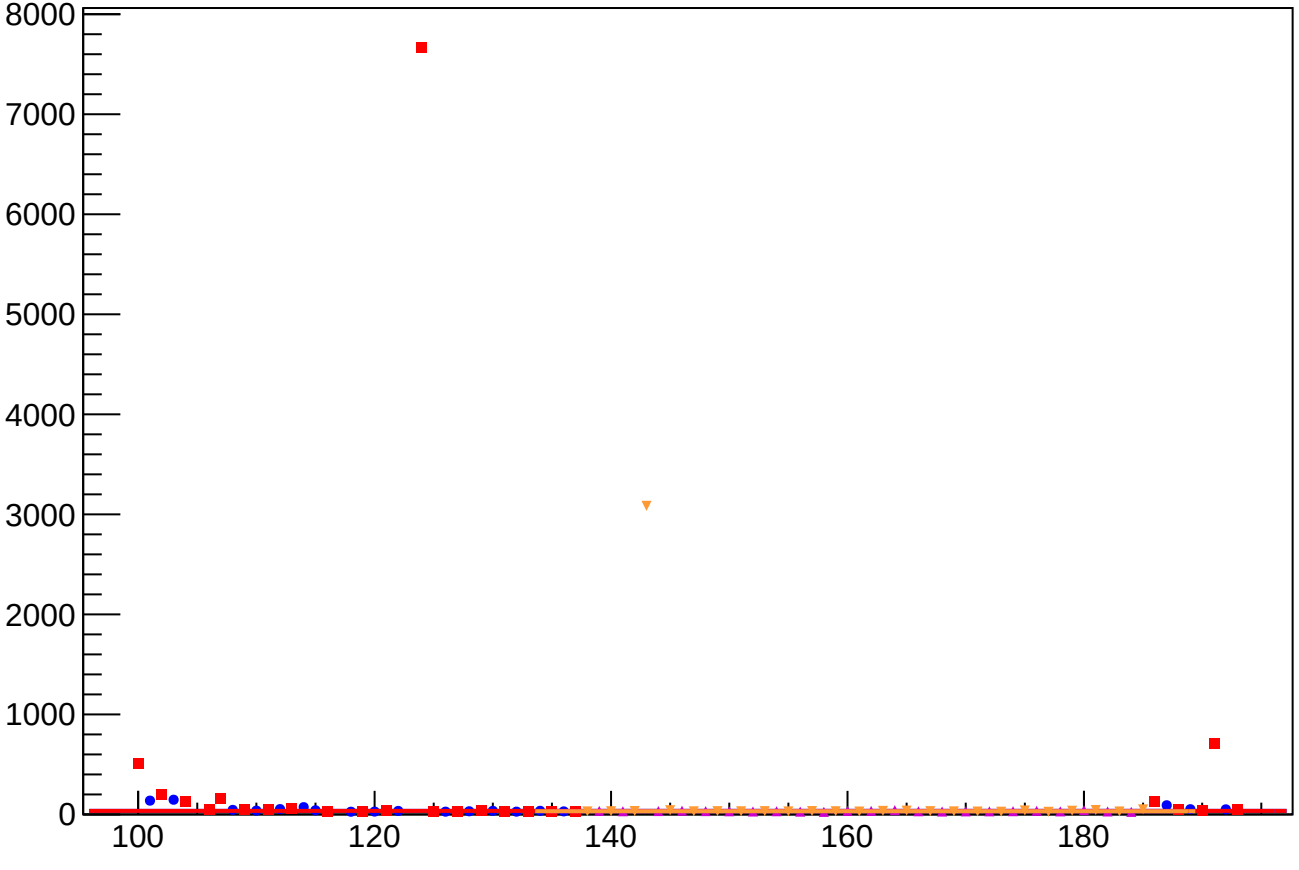
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 63.8/43

All: -0.002+/-0.005 χ^2/NDF: 109.4/90

\- sign 0.003+/-0.007 χ^2/NDF: 44.6/46

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

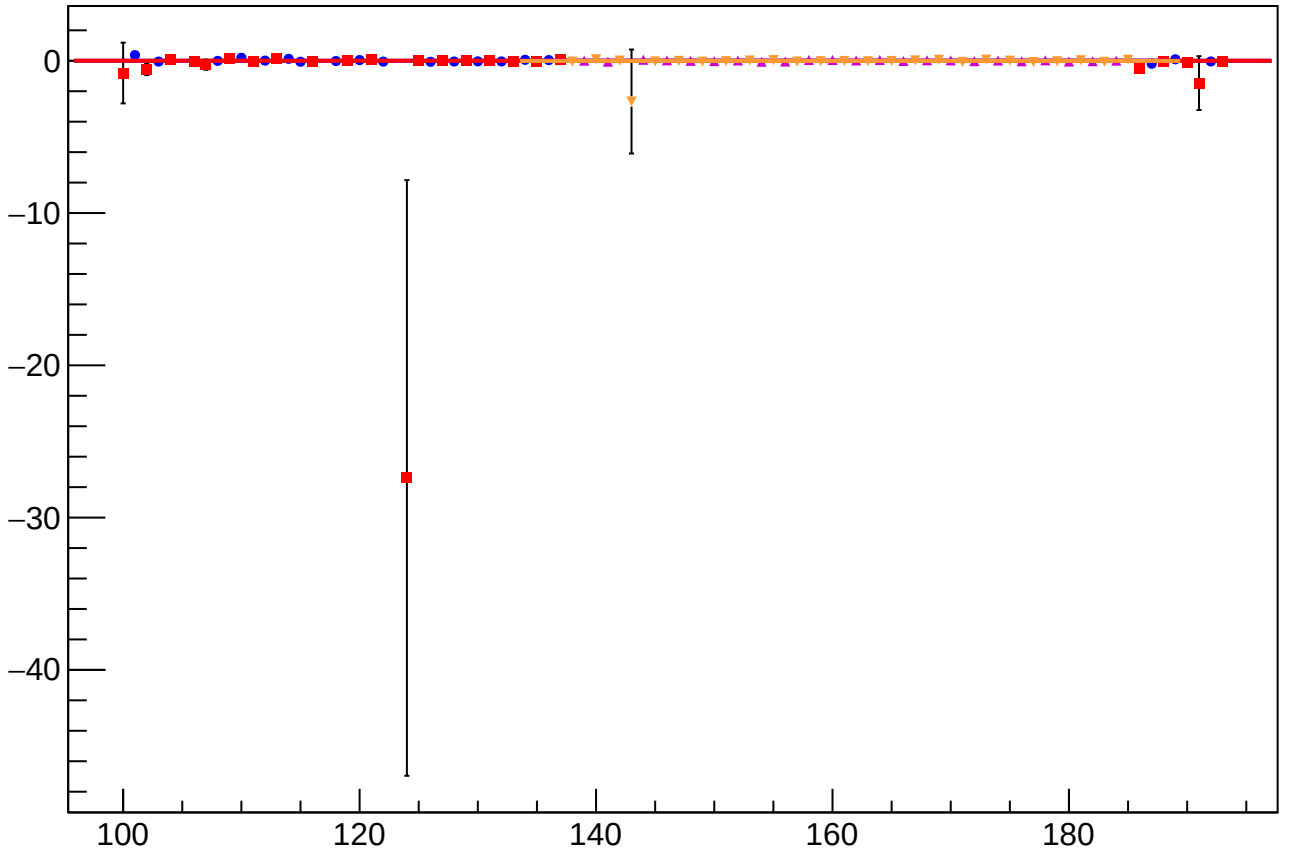
Right Out: 35.575+/-0.010 χ^2/NDF: 3062958.6/23

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

\+ sign 33.200+/-0.005 χ^2/NDF: 4325874.9/43

All: 33.234+/-0.004 χ^2/NDF: 7892682.0/90

\- sign 33.267+/-0.005 χ^2/NDF: 3566716.7/46



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: 0.001+/-0.014 χ^2/NDF: 23.7/23

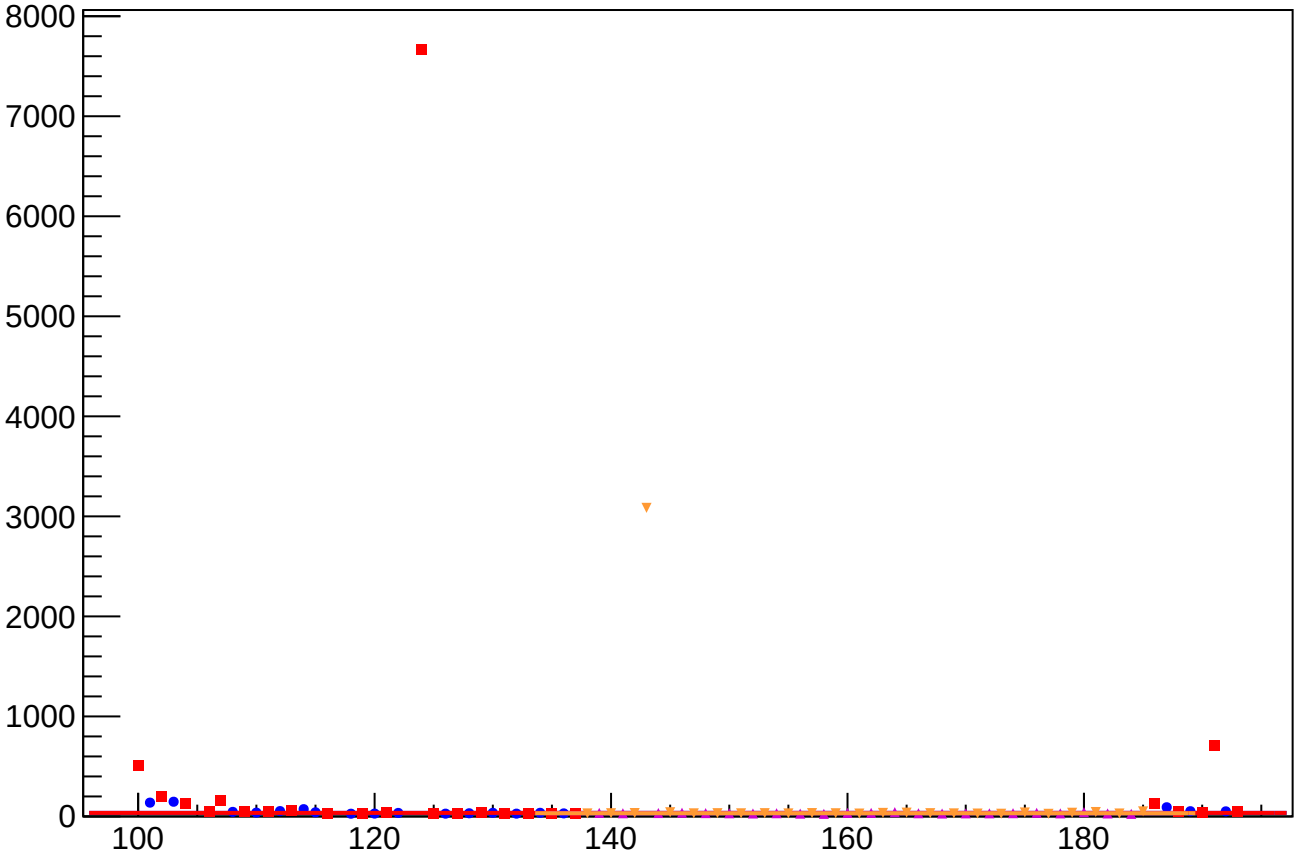
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 63.8/43

All: -0.002+/-0.005 χ^2/NDF: 109.4/90

- sign 0.003+/-0.007 χ^2/NDF: 44.6/46

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

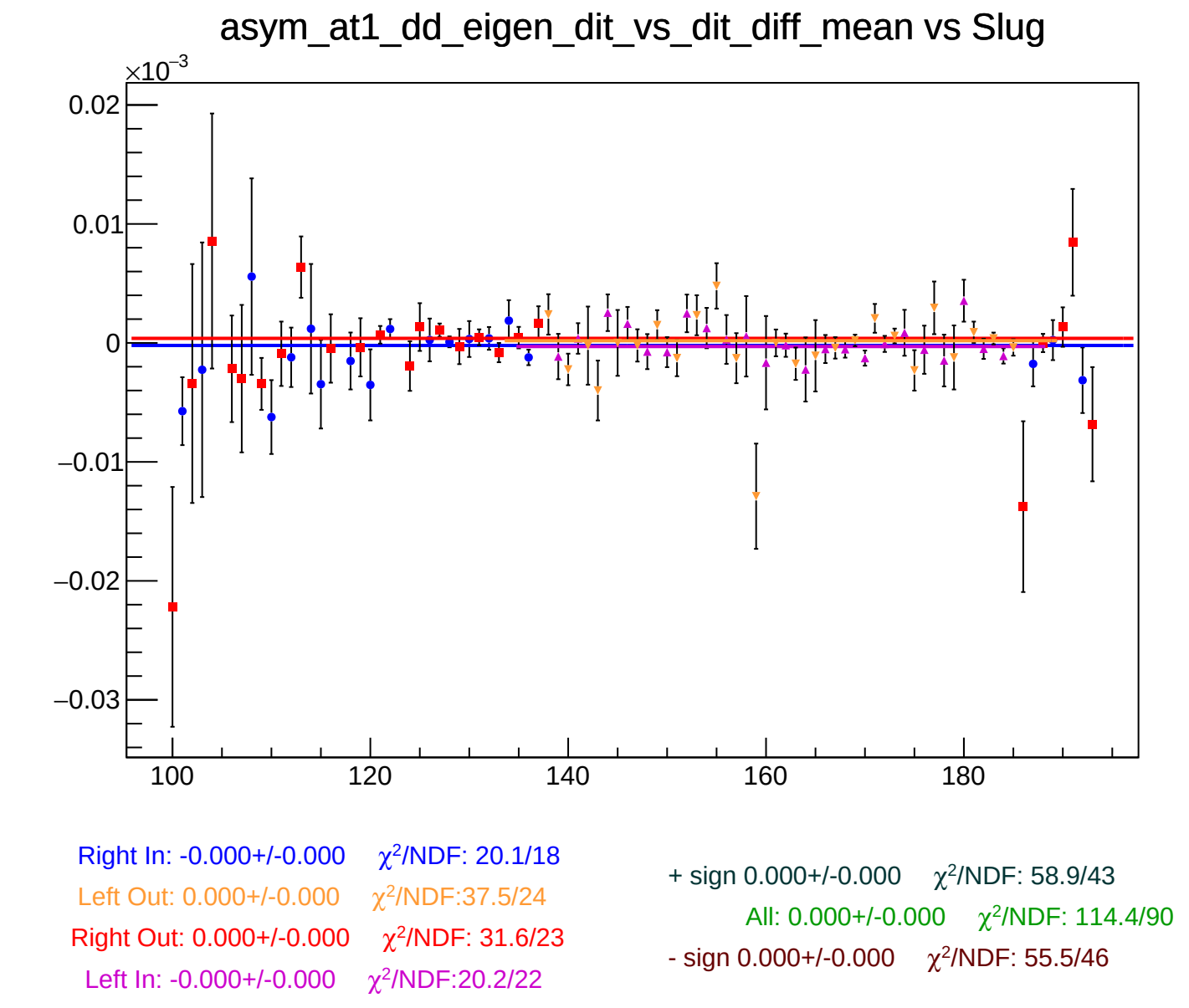
Right Out: 35.575+/-0.010 χ^2/NDF: 3062958.6/23

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

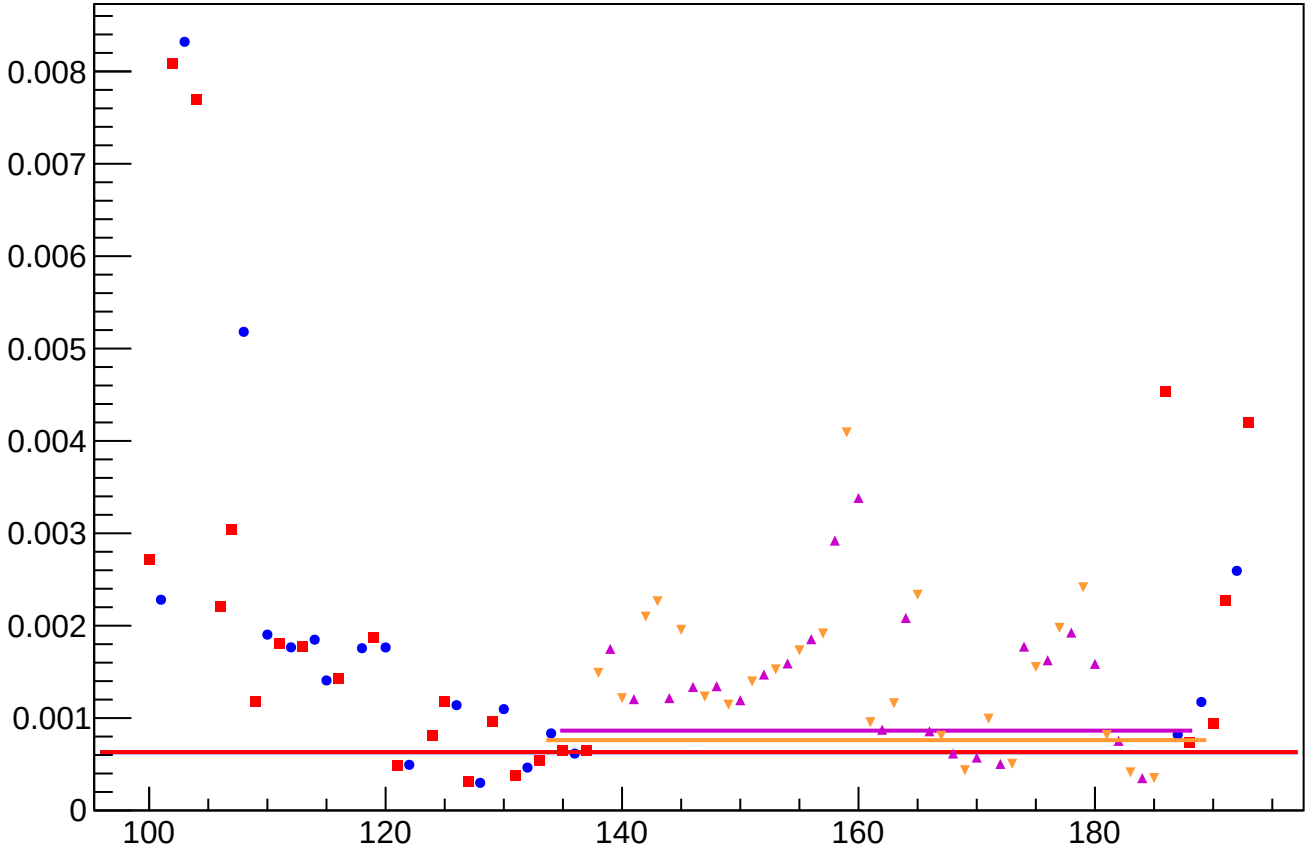
\+ sign 33.200+/-0.005 χ^2/NDF: 4325874.9/43

All: 33.234+/-0.004 χ^2/NDF: 7892682.0/90

\- sign 33.267+/-0.005 χ^2/NDF: 3566716.7/46


asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 20.1/18
Left Out: 0.000+/-0.000 χ²/NDF:37.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 31.6/23
Left In: -0.000+/-0.000 χ²/NDF:20.2/22
+ sign 0.000+/-0.000 χ²/NDF: 58.9/43
All: 0.000+/-0.000 χ²/NDF: 114.4/90
- sign 0.000+/-0.000 χ²/NDF: 55.5/46

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6774372.7/18

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

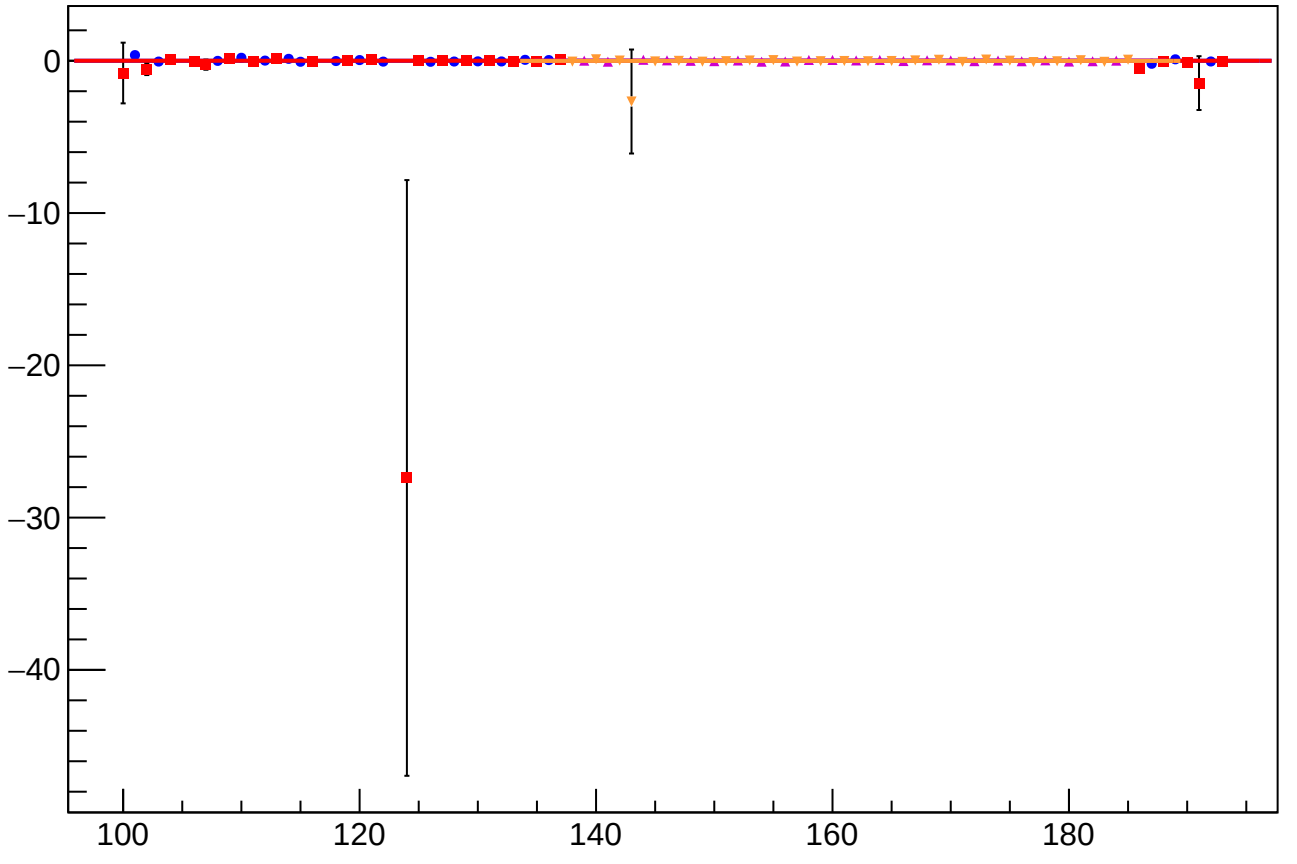
Right Out: 0.001+/-0.000 χ^2/NDF: 7557011.2/23

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 18131499.9/43

All: 0.001+/-0.000 χ^2/NDF: 35047337.8/90

- sign 0.001+/-0.000 χ^2/NDF: 16849902.4/46



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: 0.001+/-0.014 χ^2/NDF: 23.7/23

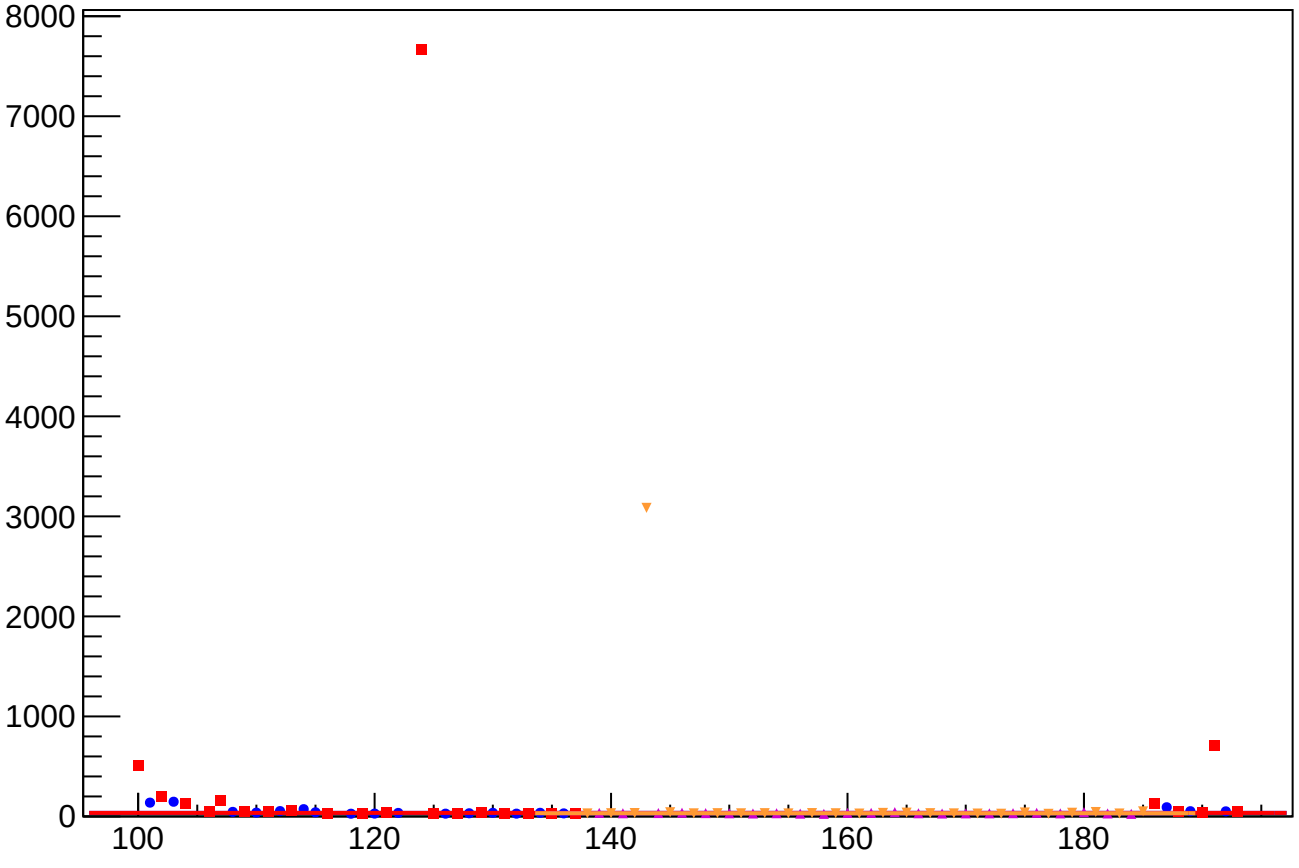
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 63.8/43

All: -0.002+/-0.005 χ^2/NDF: 109.4/90

- sign 0.003+/-0.007 χ^2/NDF: 44.6/46

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

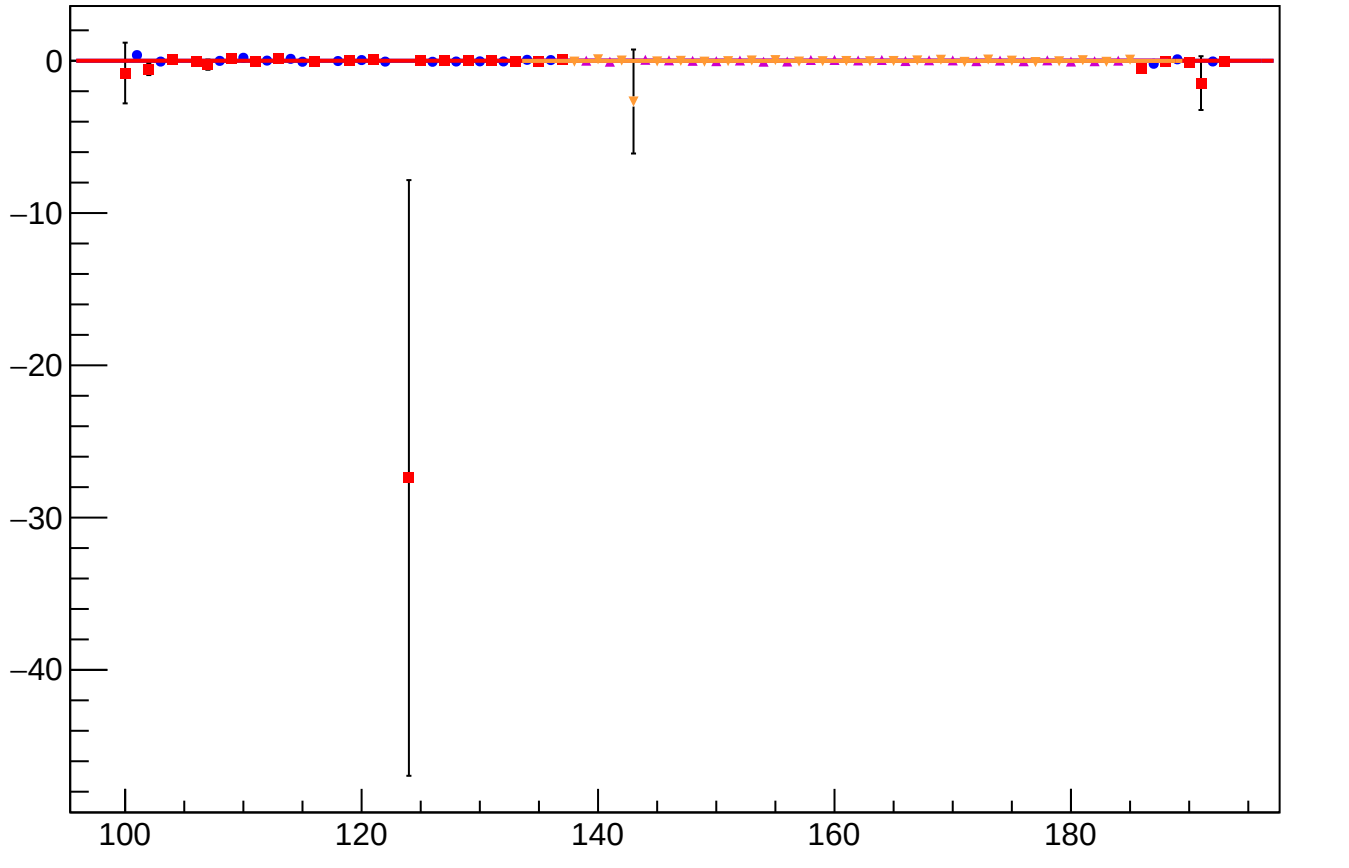
Right Out: 35.575+/-0.010 χ^2/NDF: 3062946.7/23

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 33.200+/-0.005 χ^2/NDF: 4325900.8/43

All: 33.234+/-0.004 χ^2/NDF: 7892595.9/90

- sign 33.267+/-0.005 χ^2/NDF: 3566604.1/46



Right In: 0.000+/-0.014 χ^2/NDF: 23.9/18

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

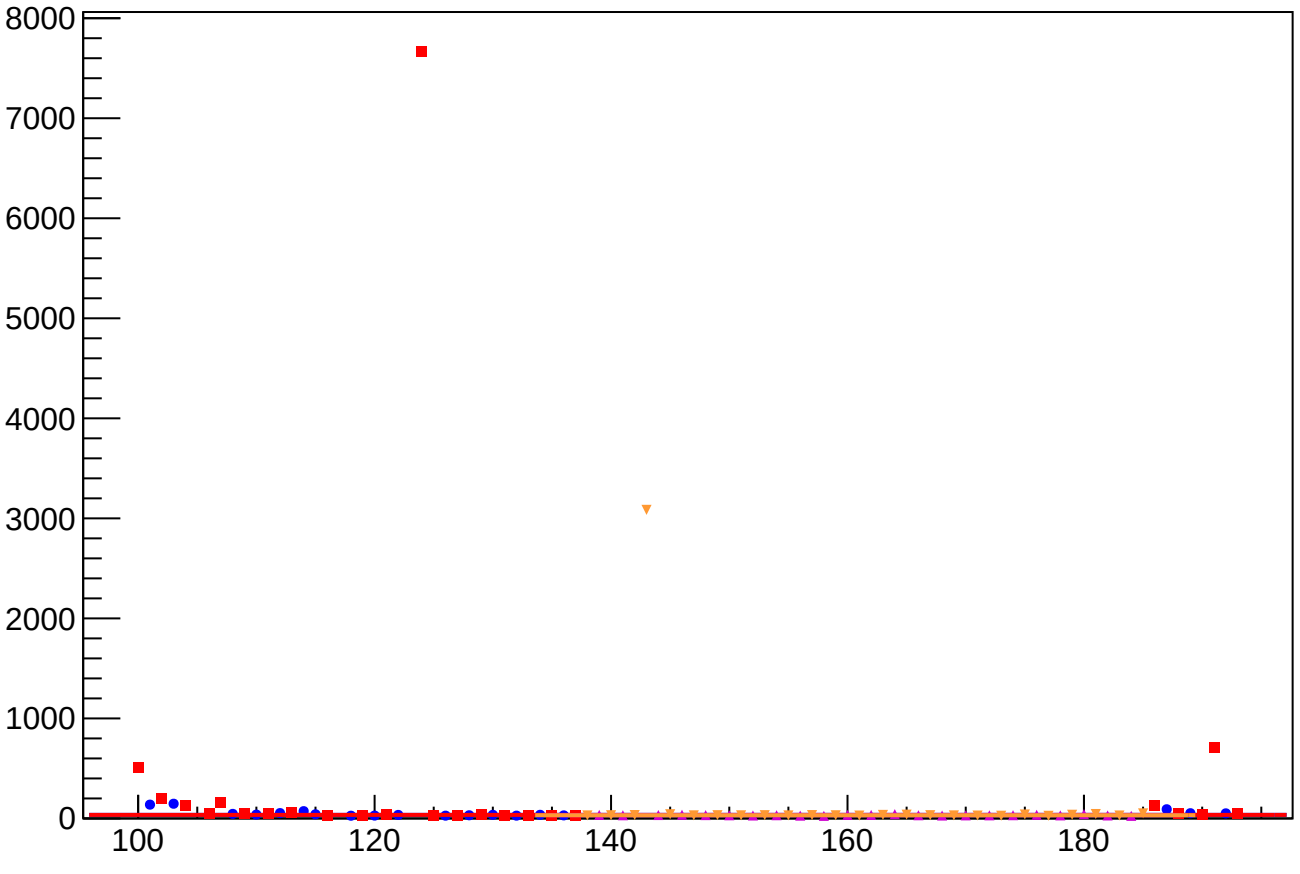
Right Out: 0.001+/-0.014 χ^2/NDF: 23.7/23

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: 109.4/90

- sign 0.003+/-0.007 χ^2/NDF: 44.6/46



Right In: 35.881+/-0.010 χ^2/NDF: 2106804.3/18

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

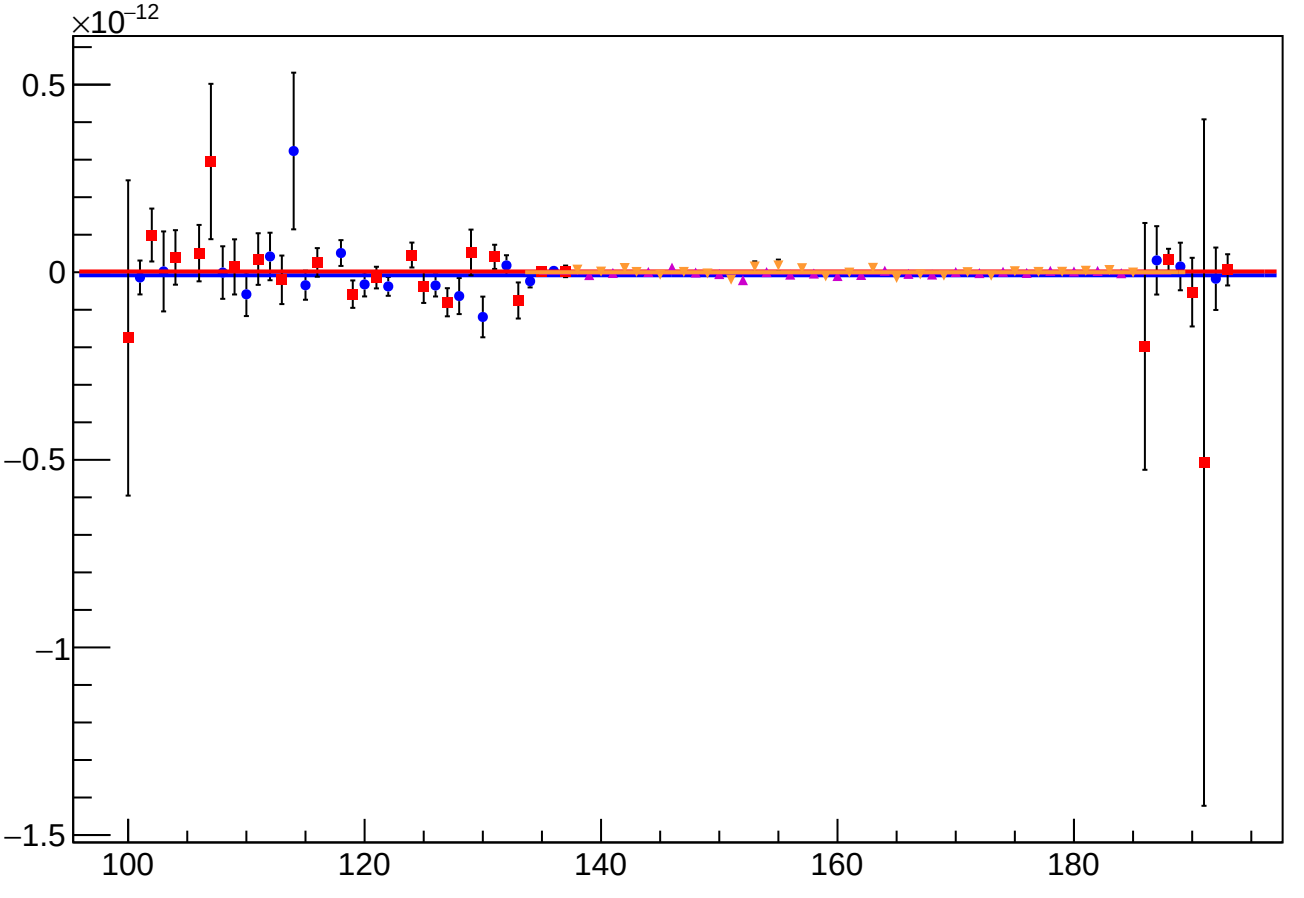
Right Out: 35.575+/-0.010 χ^2/NDF: 3062946.7/23

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 33.200+/-0.005 χ^2/NDF: 4325900.8/43

All: 33.234+/-0.004 χ^2/NDF: 7892595.9/90

- sign 33.267+/-0.005 χ^2/NDF: 3566604.1/46



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: 22.9/23

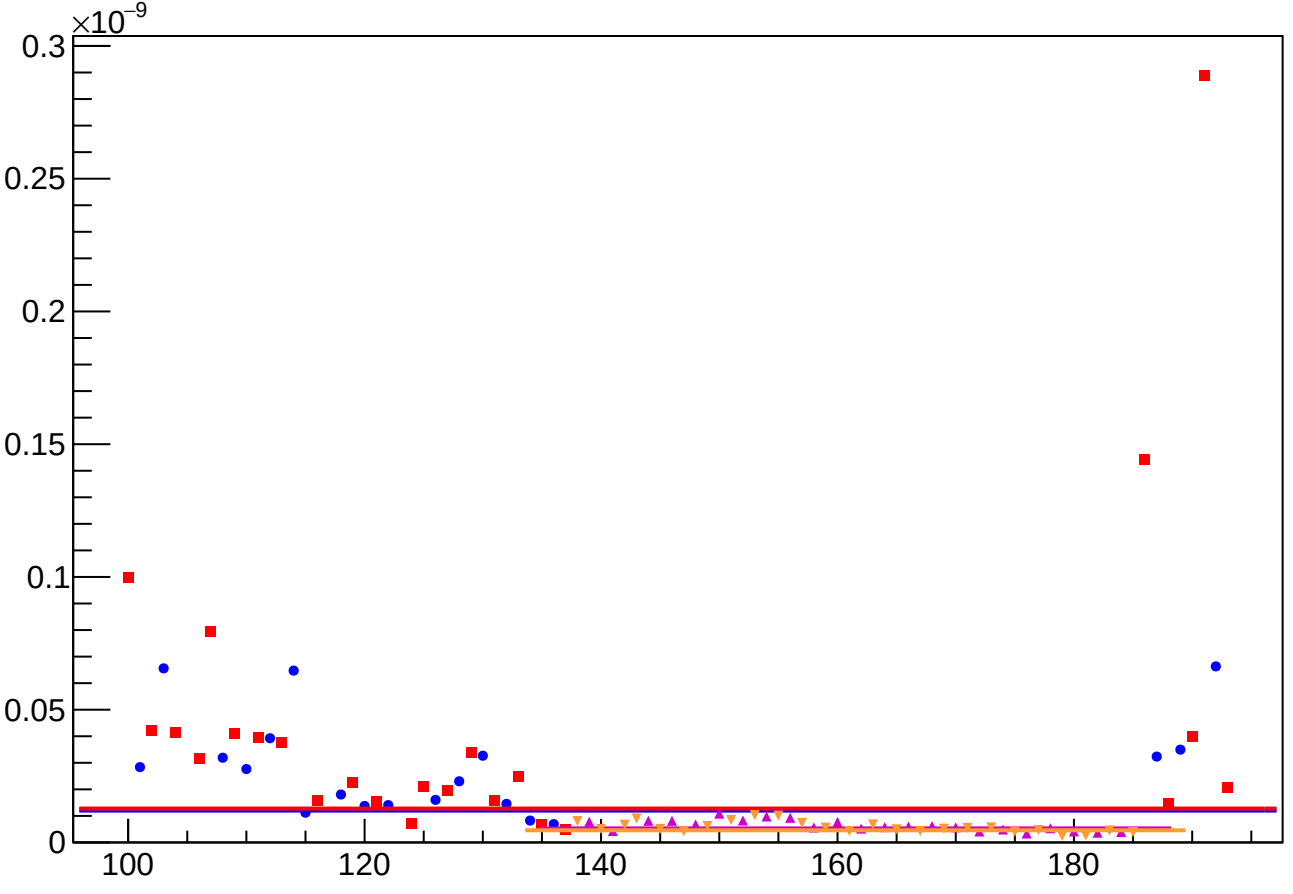
Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.3/43

All: -0.000+/-0.000 χ^2/NDF: 74.6/90

- sign -0.000+/-0.000 χ^2/NDF: 32.3/46

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



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: 4526998.9/23

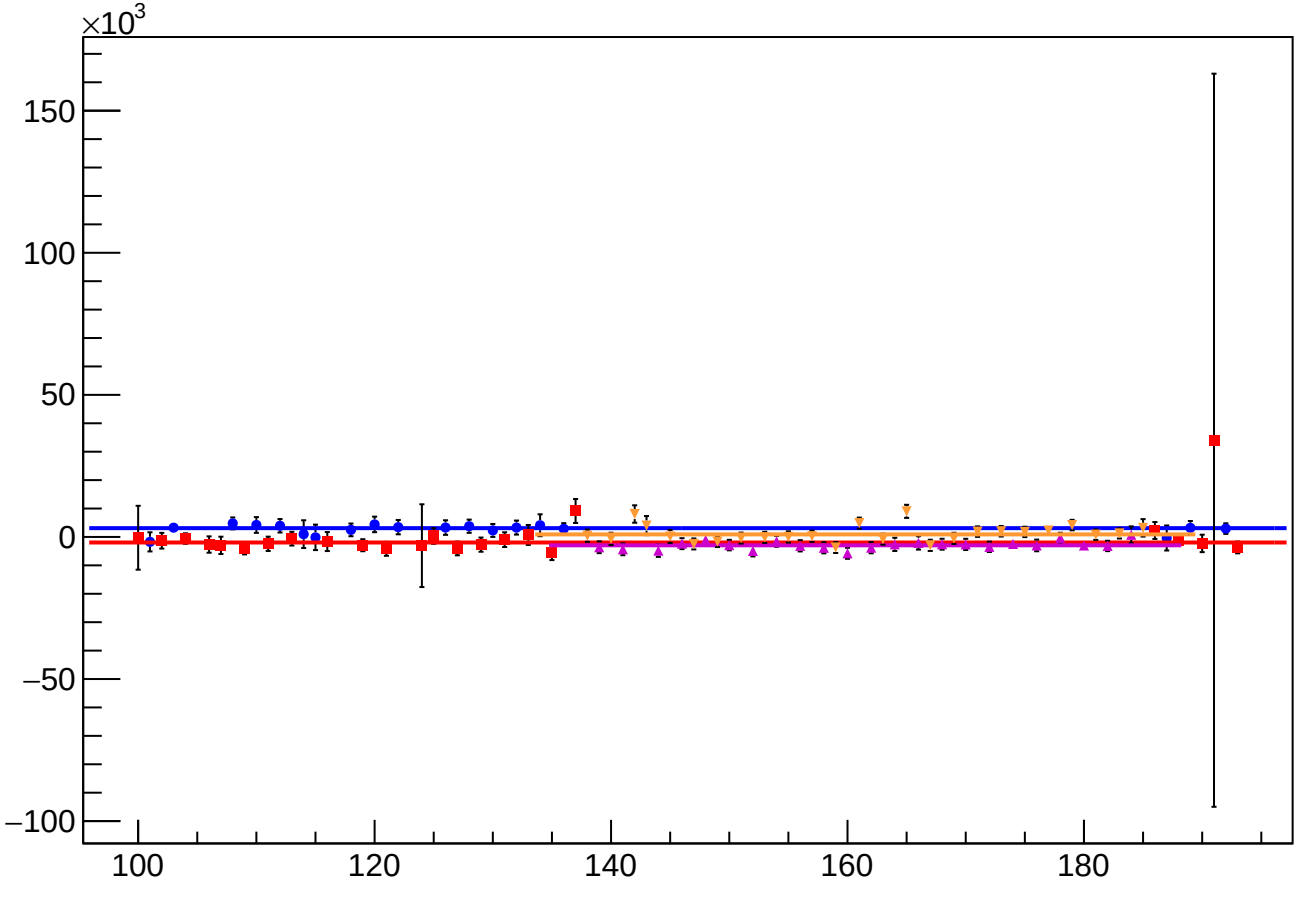
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9450381.1/43

All: 0.000+/-0.000 χ^2/NDF: 18652280.9/90

- sign 0.000+/-0.000 χ^2/NDF: 8962787.2/46

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: -1953.593+/-550.593 χ^2/NDF: 17.0/23

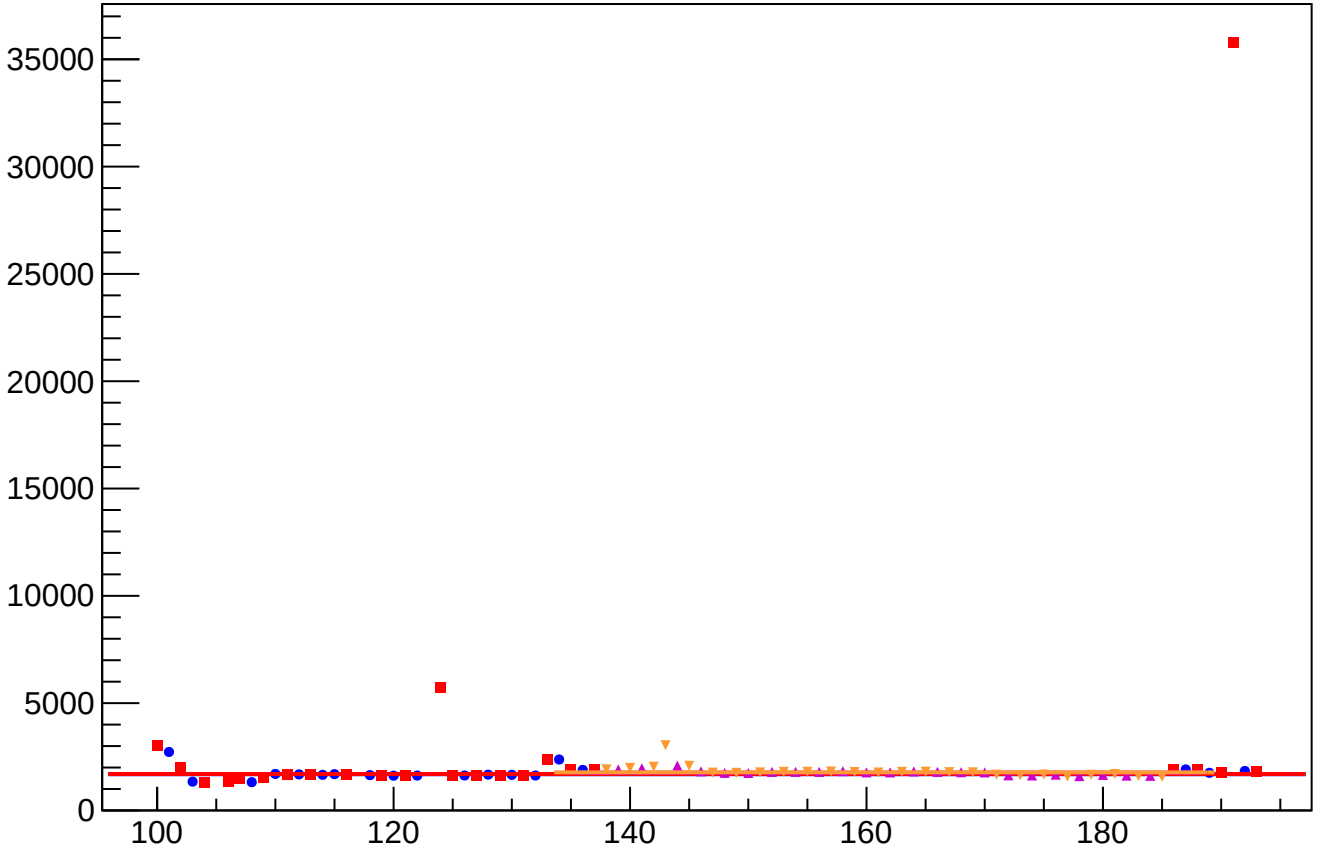
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1631.921+/-331.007 χ^2/NDF: 60.0/43

All: -485.045+/-233.667 χ^2/NDF: 171.2/90

- sign -2587.964+/-329.907 χ^2/NDF: 29.6/46

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: 1697.495+/-0.389 χ^2/NDF: 634977.6/23

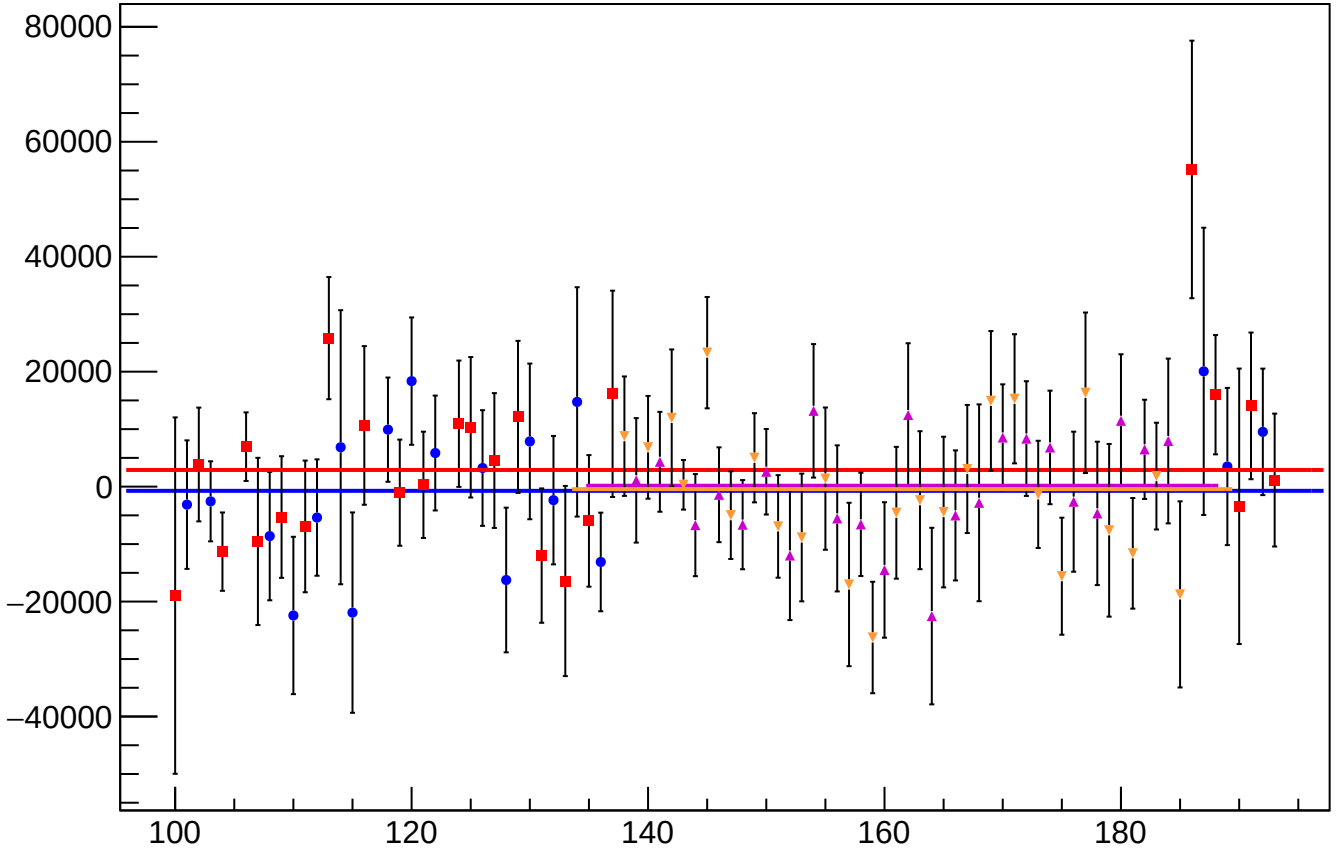
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1746.096+/-0.234 χ^2/NDF: 915510.3/43

All: 1742.163+/-0.165 χ^2/NDF: 1714419.0/90

- sign 1738.257+/-0.233 χ^2/NDF: 798346.0/46

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: 2900.631+/-2258.840 χ^2/NDF: 26.1/23

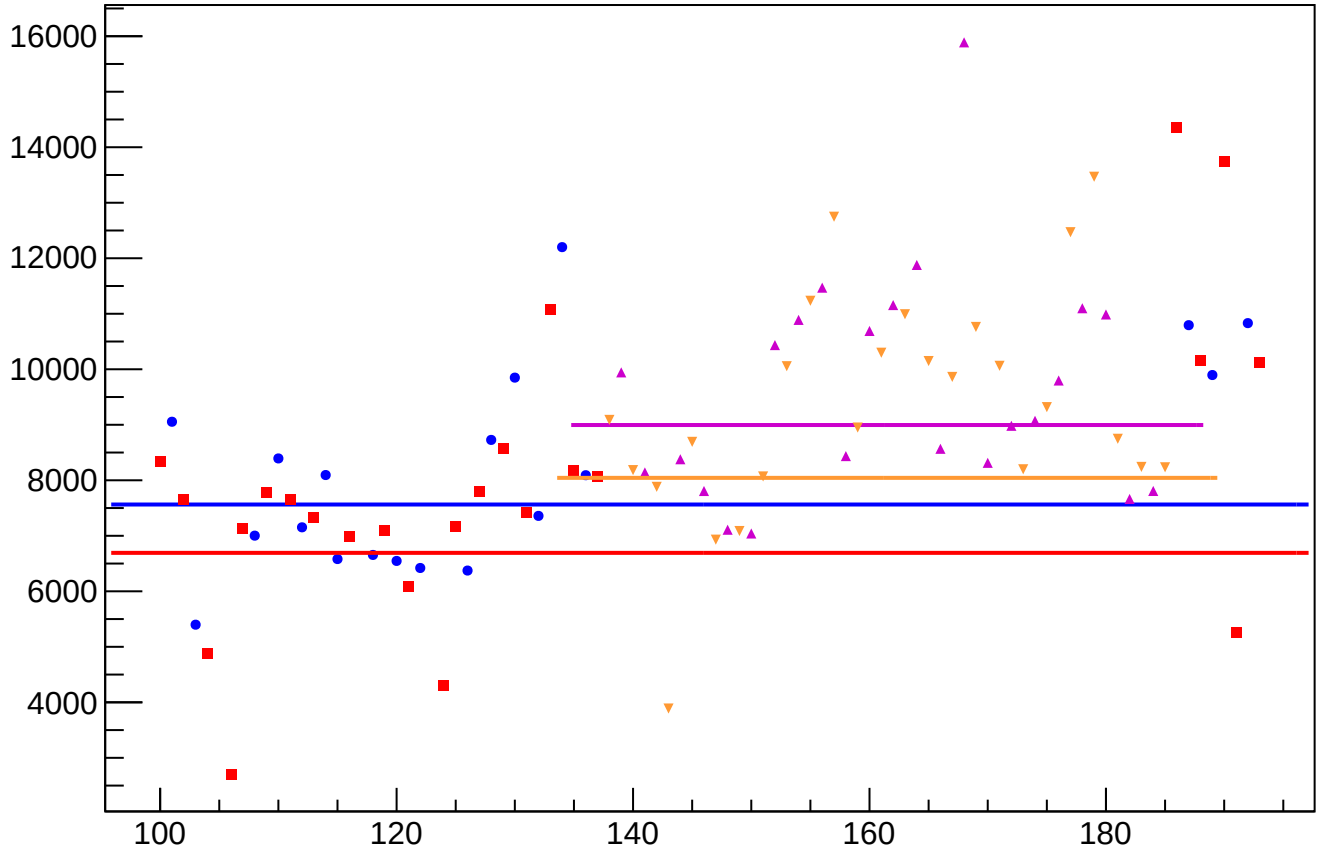
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -545.739+/-1547.191 χ^2/NDF: 45.6/43

All: 450.216+/-1096.729 χ^2/NDF: 87.1/90

- sign 1456.064+/-1554.856 χ^2/NDF: 40.6/46

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

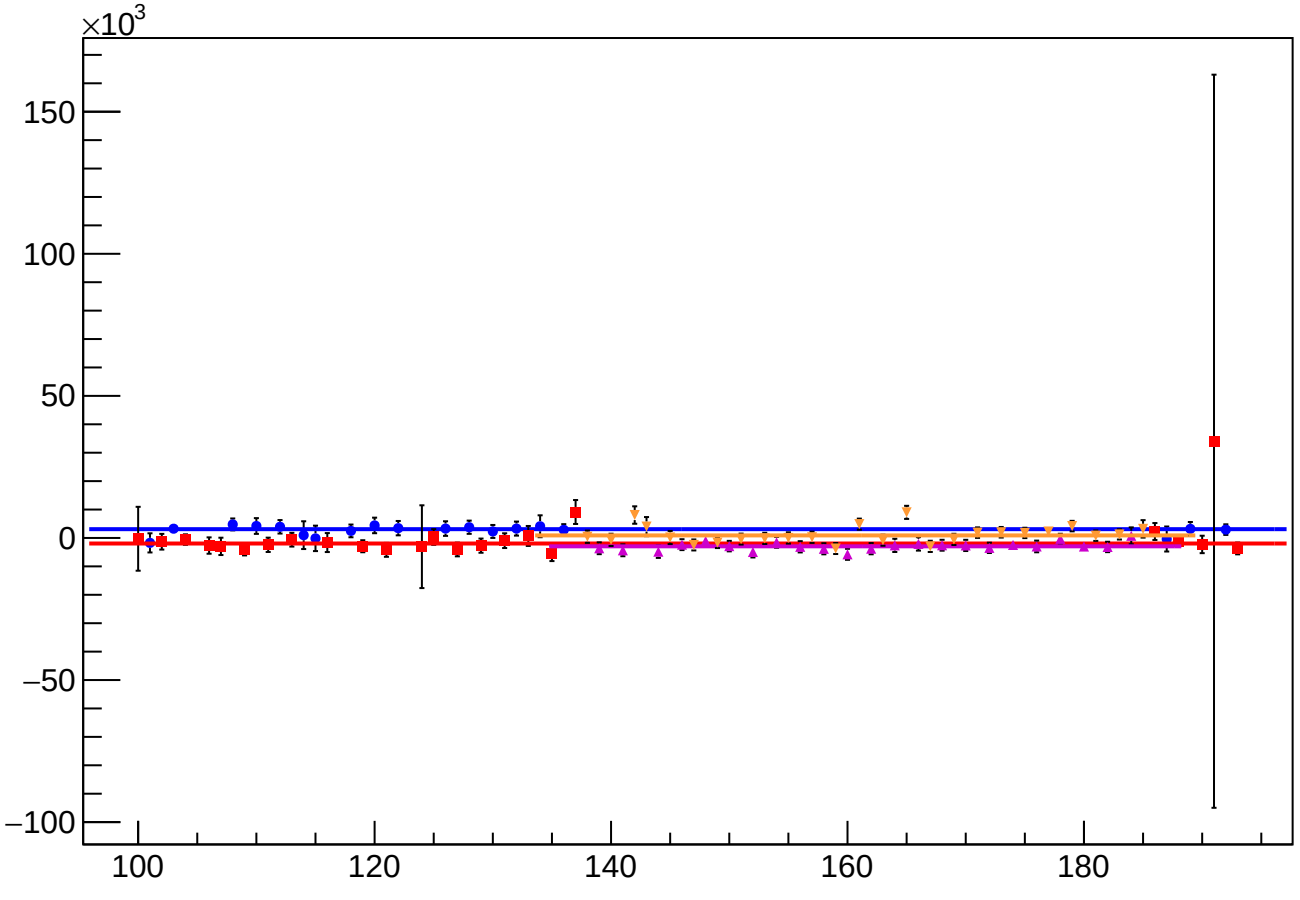
Right Out: 6692.627+/-1.597 χ^2/NDF: 2298210.6/23

Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 7873.630+/-1.094 χ^2/NDF: 4208210.0/43

All: 7888.952+/-0.776 χ^2/NDF: 8807867.7/90

- sign 7904.426+/-1.099 χ^2/NDF: 4599263.5/46



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: -1953.456+/-550.593 χ^2/NDF: 17.0/23

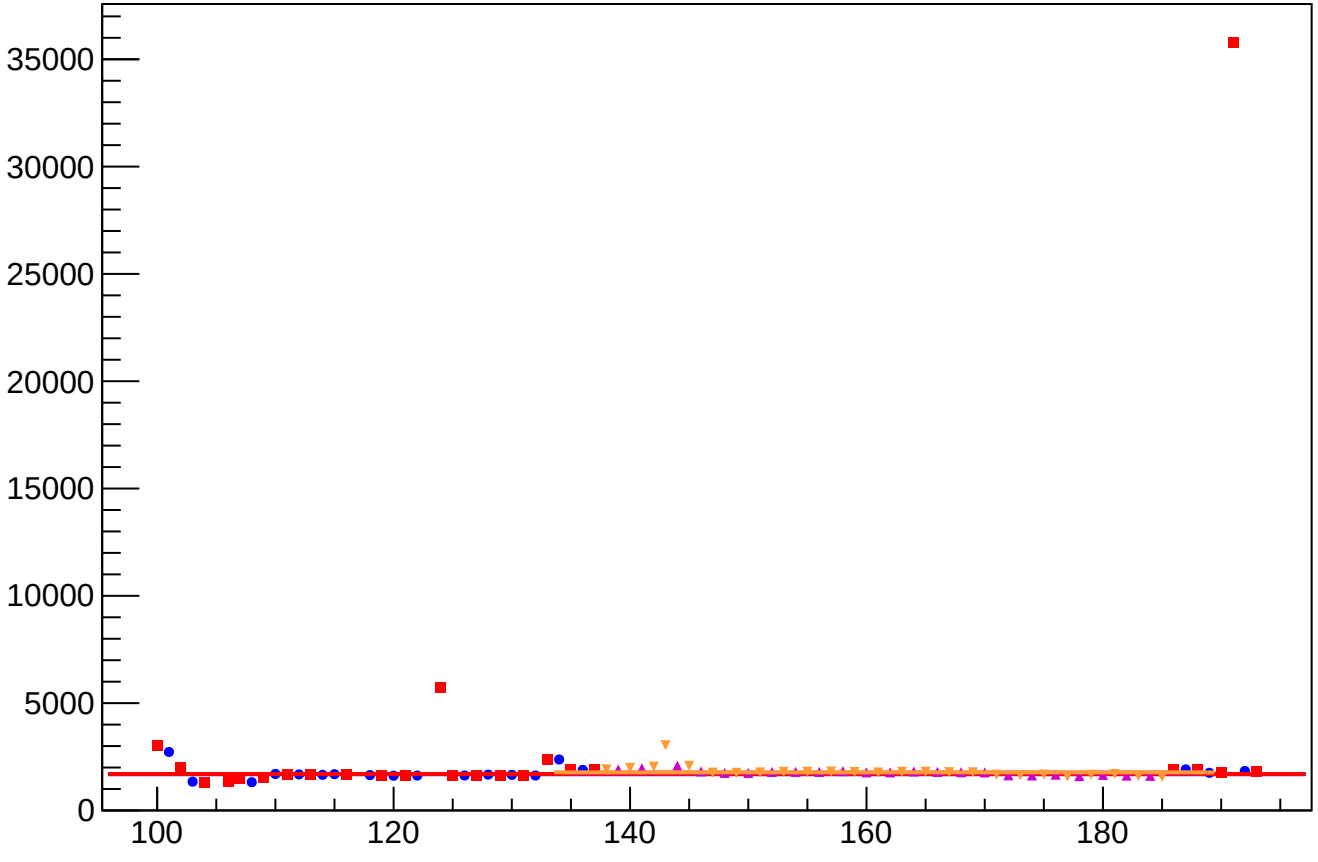
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1631.902+/-331.007 χ^2/NDF: 60.0/43

All: -484.993+/-233.667 χ^2/NDF: 171.2/90

- sign -2587.842+/-329.907 χ^2/NDF: 29.6/46

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: 1697.495+/-0.389 χ^2/NDF: 634977.8/23

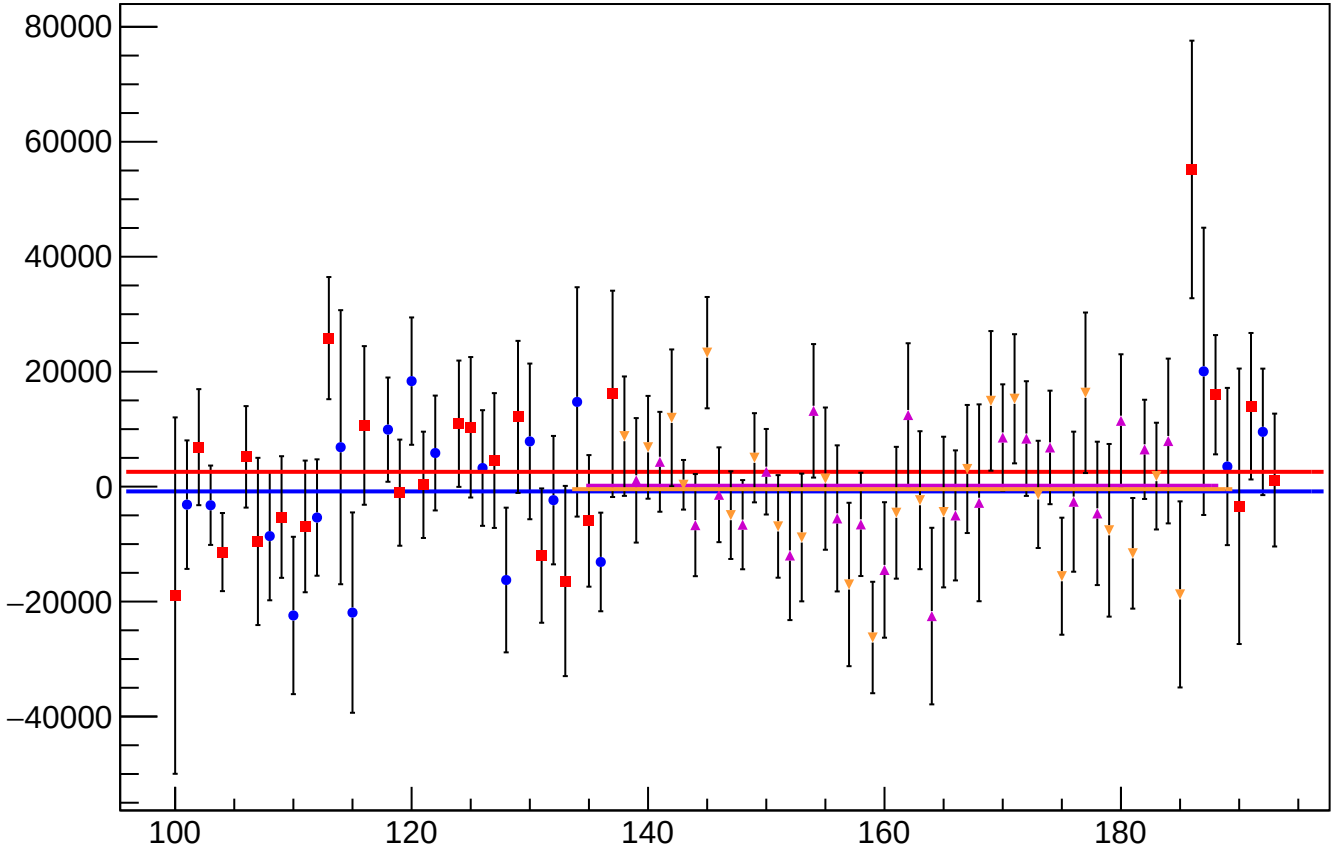
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1746.096+/-0.234 χ^2/NDF: 915510.7/43

All: 1742.163+/-0.165 χ^2/NDF: 1714419.7/90

- sign 1738.257+/-0.233 χ^2/NDF: 798346.2/46

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: 2573.513+/-2354.044 χ^2/NDF: 25.8/23

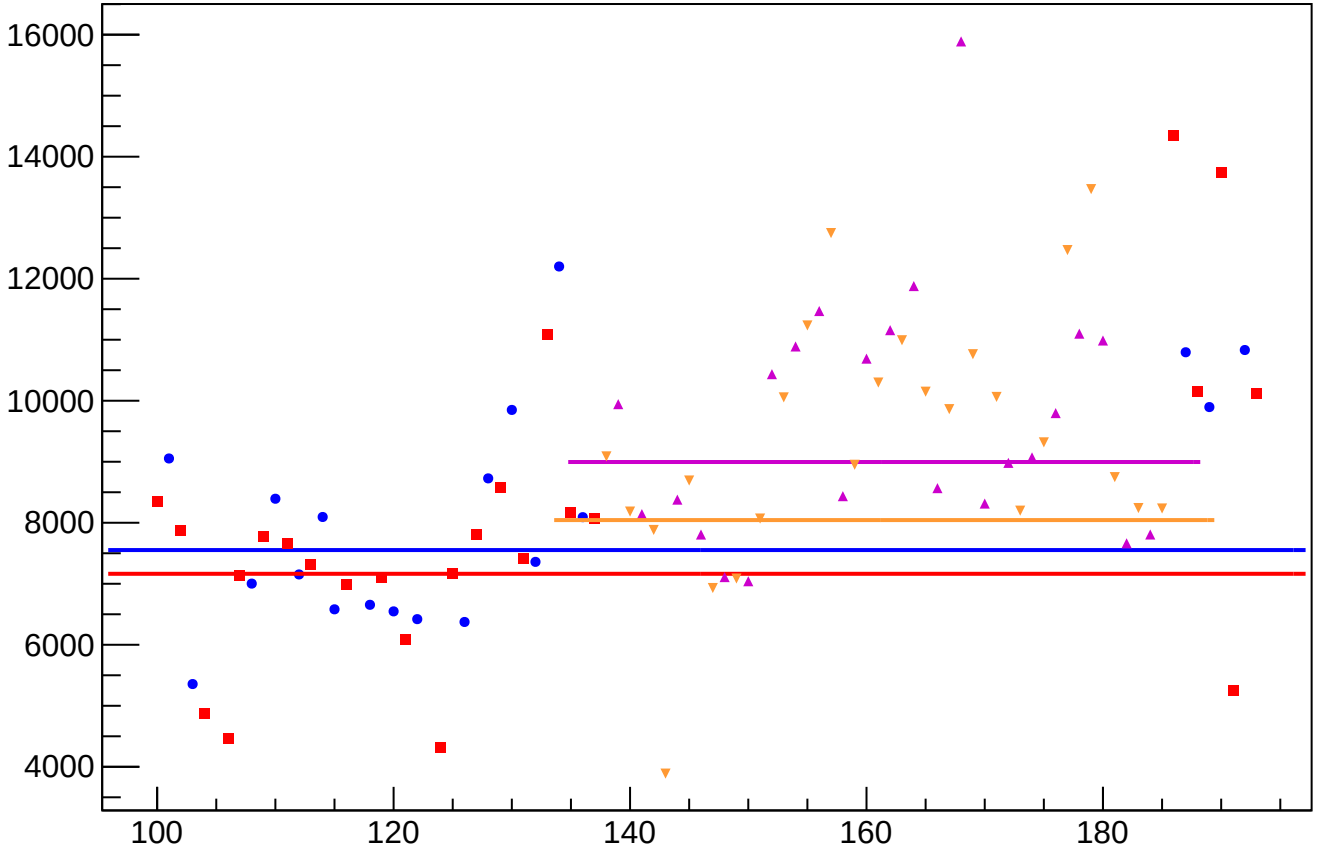
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -581.577+/-1546.532 χ^2/NDF: 45.7/43

All: 312.463+/-1106.878 χ^2/NDF: 86.6/90

- sign 1251.409+/-1584.896 χ^2/NDF: 40.2/46

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

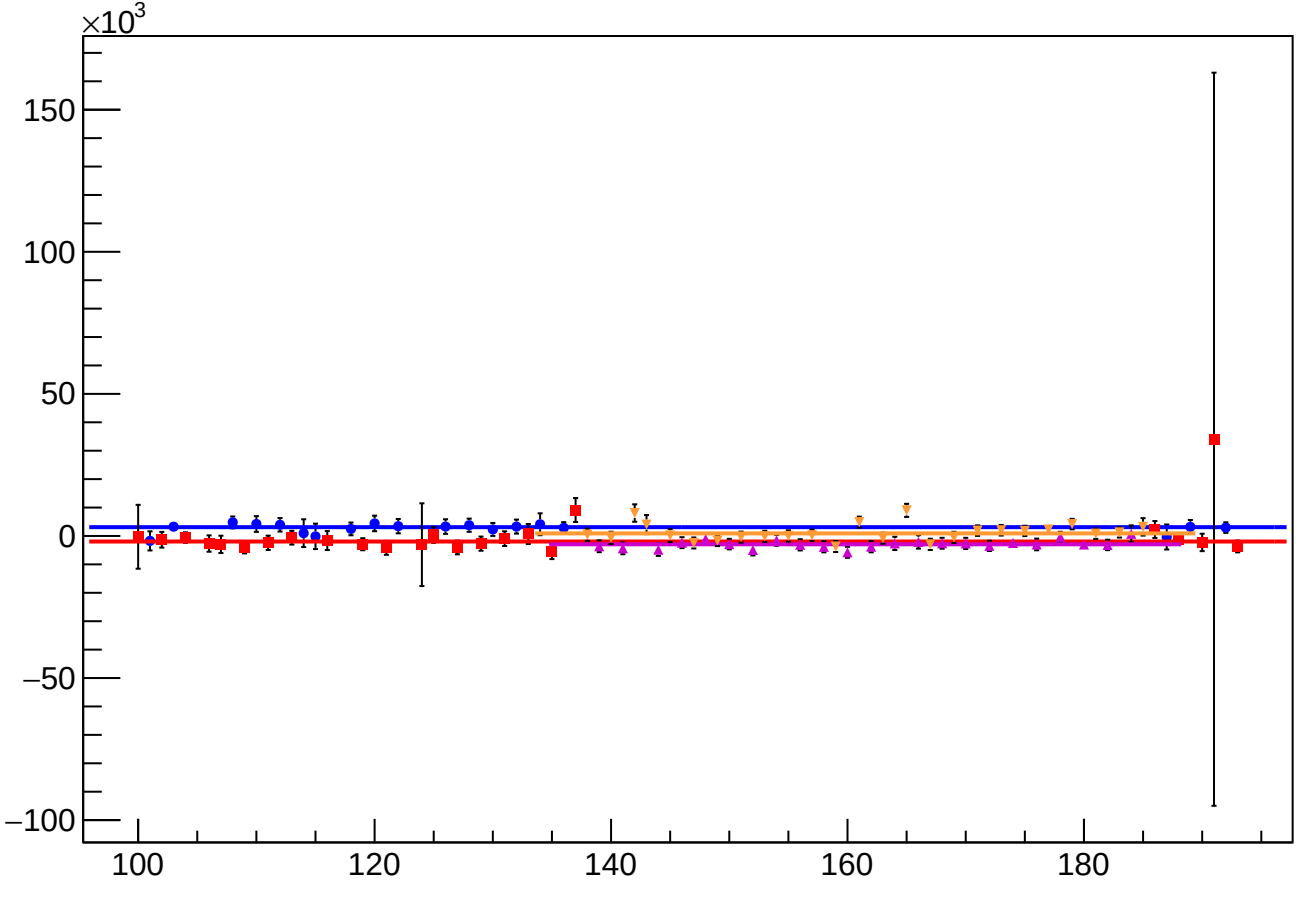
Right Out: 7163.382+/-1.665 χ^2/NDF: 1460047.7/23

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7869.381+/-1.094 χ^2/NDF: 4221444.1/43

All: 8013.612+/-0.783 χ^2/NDF: 7586700.6/90

- sign 8165.088+/-1.121 χ^2/NDF: 3329592.3/46



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: -1953.456+/-550.593 χ^2/NDF: 17.0/23

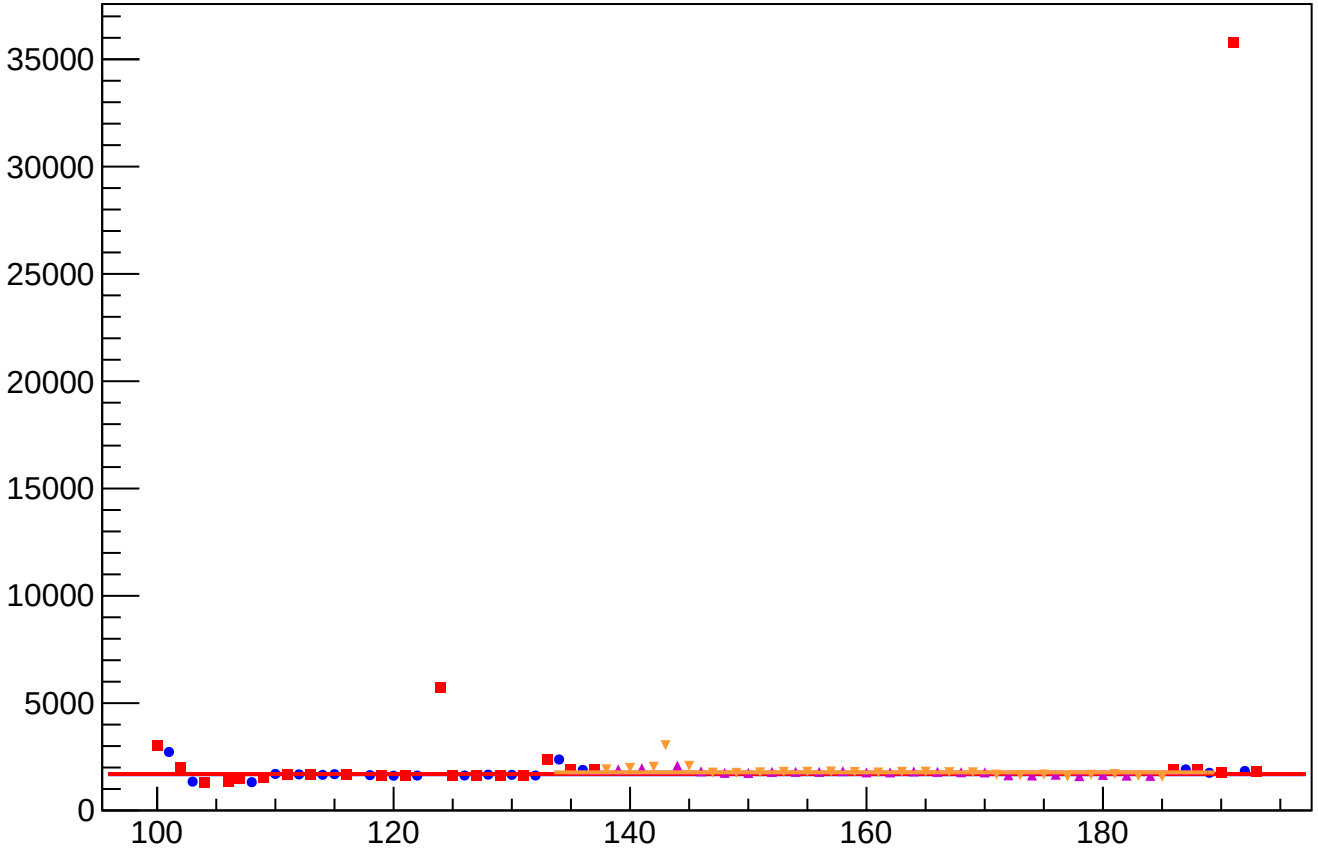
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1631.902+/-331.007 χ^2/NDF: 60.0/43

All: -484.993+/-233.667 χ^2/NDF: 171.2/90

- sign -2587.842+/-329.907 χ^2/NDF: 29.6/46

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: 1697.495+/-0.389 χ^2/NDF: 634977.8/23

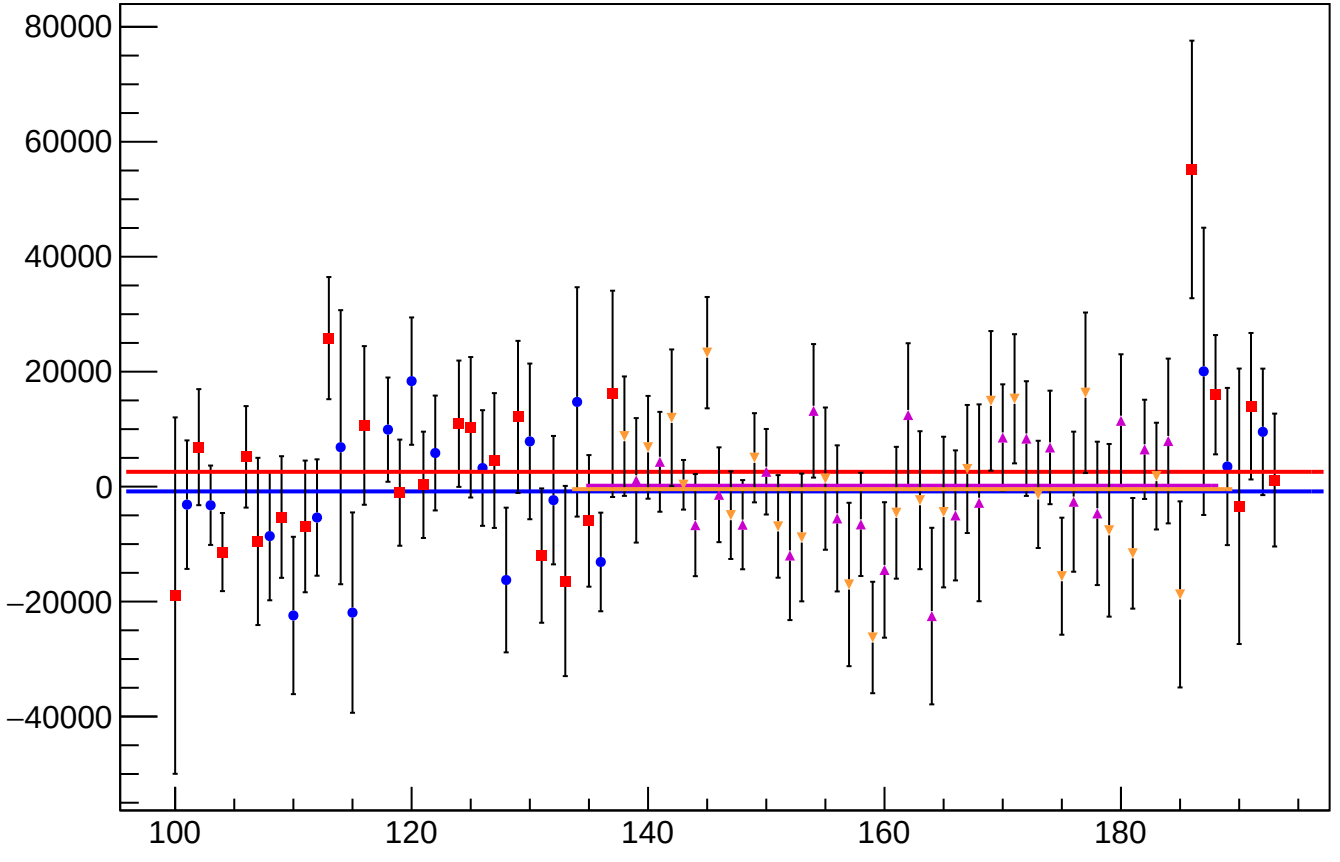
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1746.096+/-0.234 χ^2/NDF: 915510.7/43

All: 1742.163+/-0.165 χ^2/NDF: 1714419.7/90

- sign 1738.257+/-0.233 χ^2/NDF: 798346.2/46

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: 2573.513+/-2354.044 χ^2/NDF: 25.8/23

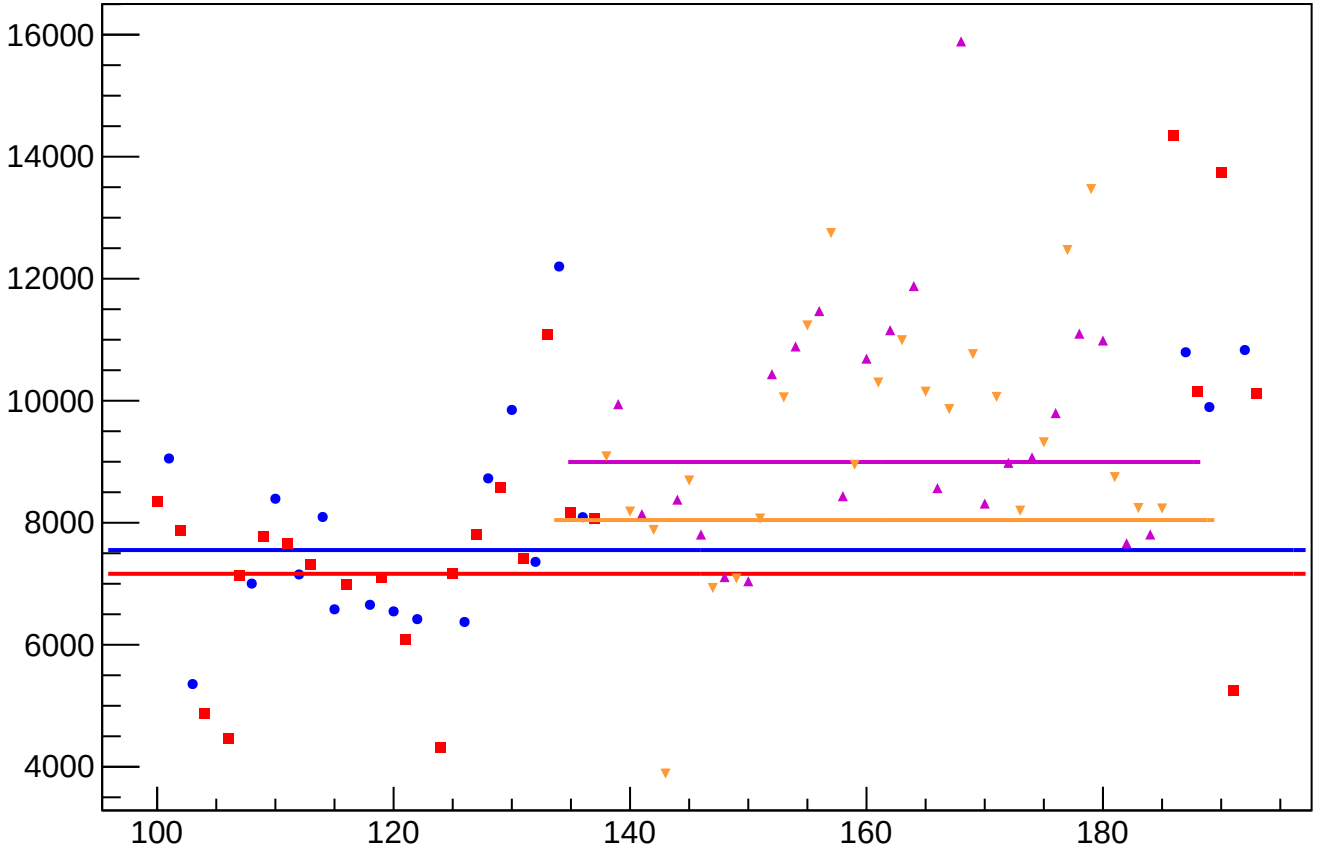
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -581.577+/-1546.532 χ^2/NDF: 45.7/43

All: 312.463+/-1106.878 χ^2/NDF: 86.6/90

- sign 1251.409+/-1584.896 χ^2/NDF: 40.2/46

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

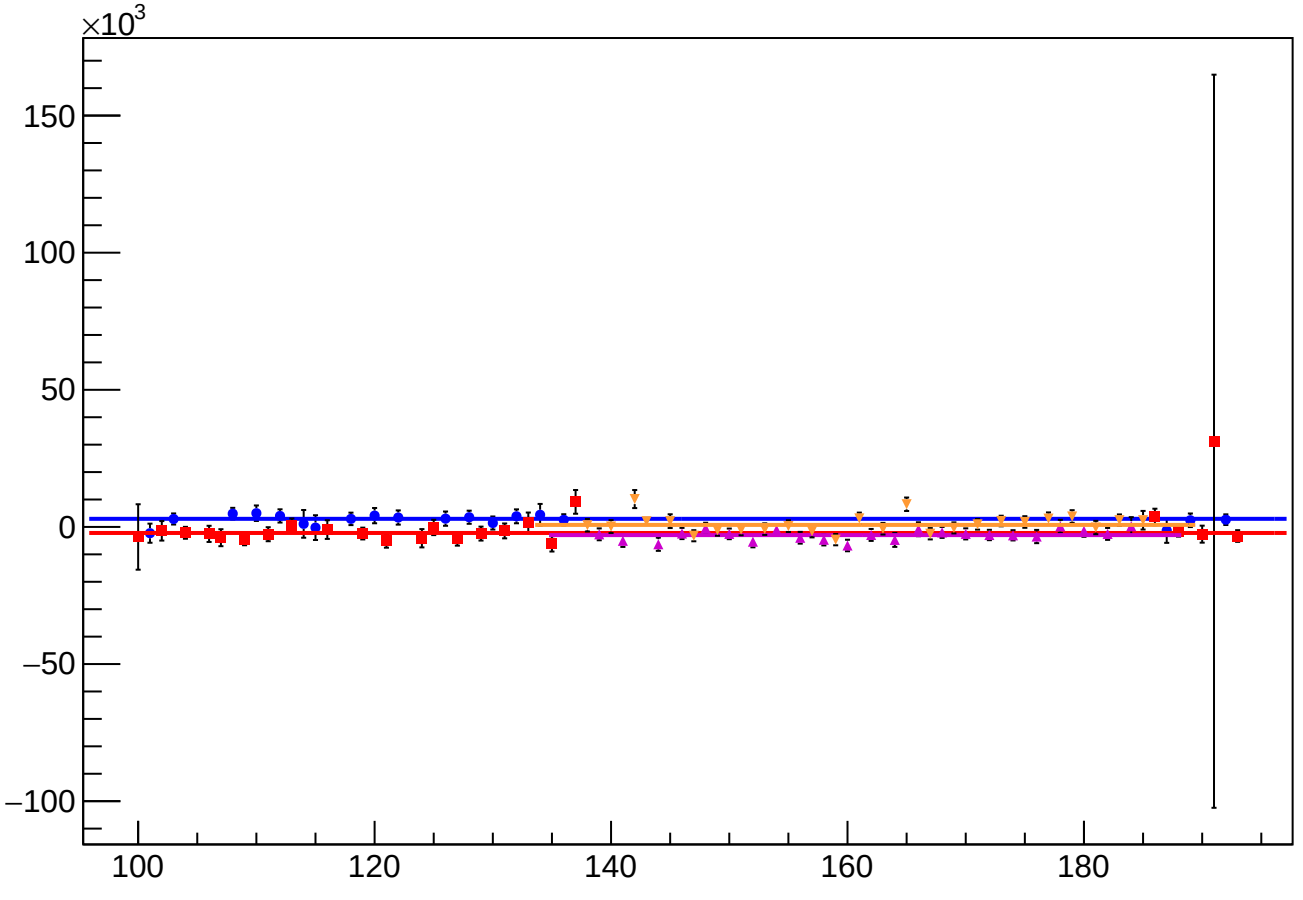
Right Out: 7163.382+/-1.665 χ^2/NDF: 1460047.7/23

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7869.381+/-1.094 χ^2/NDF: 4221444.1/43

All: 8013.612+/-0.783 χ^2/NDF: 7586700.6/90

- sign 8165.088+/-1.121 χ^2/NDF: 3329592.3/46



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: -2200.523+/-564.554 χ^2/NDF: 20.3/23

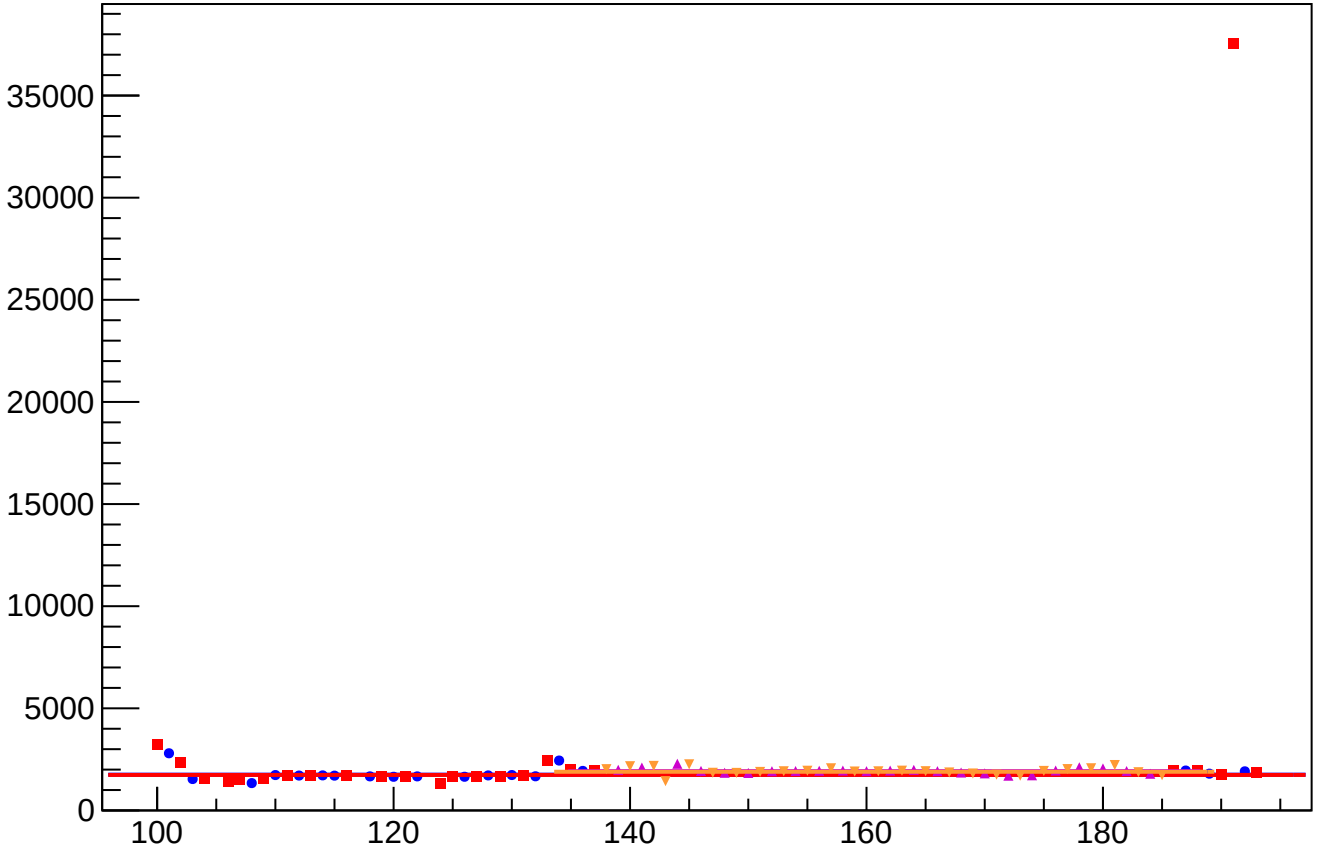
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1508.735+/-349.795 χ^2/NDF: 57.1/43

All: -570.393+/-248.136 χ^2/NDF: 165.3/90

- sign -2676.416+/-352.050 χ^2/NDF: 37.1/46

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: 1739.127+/-0.399 χ^2/NDF: 484546.6/23

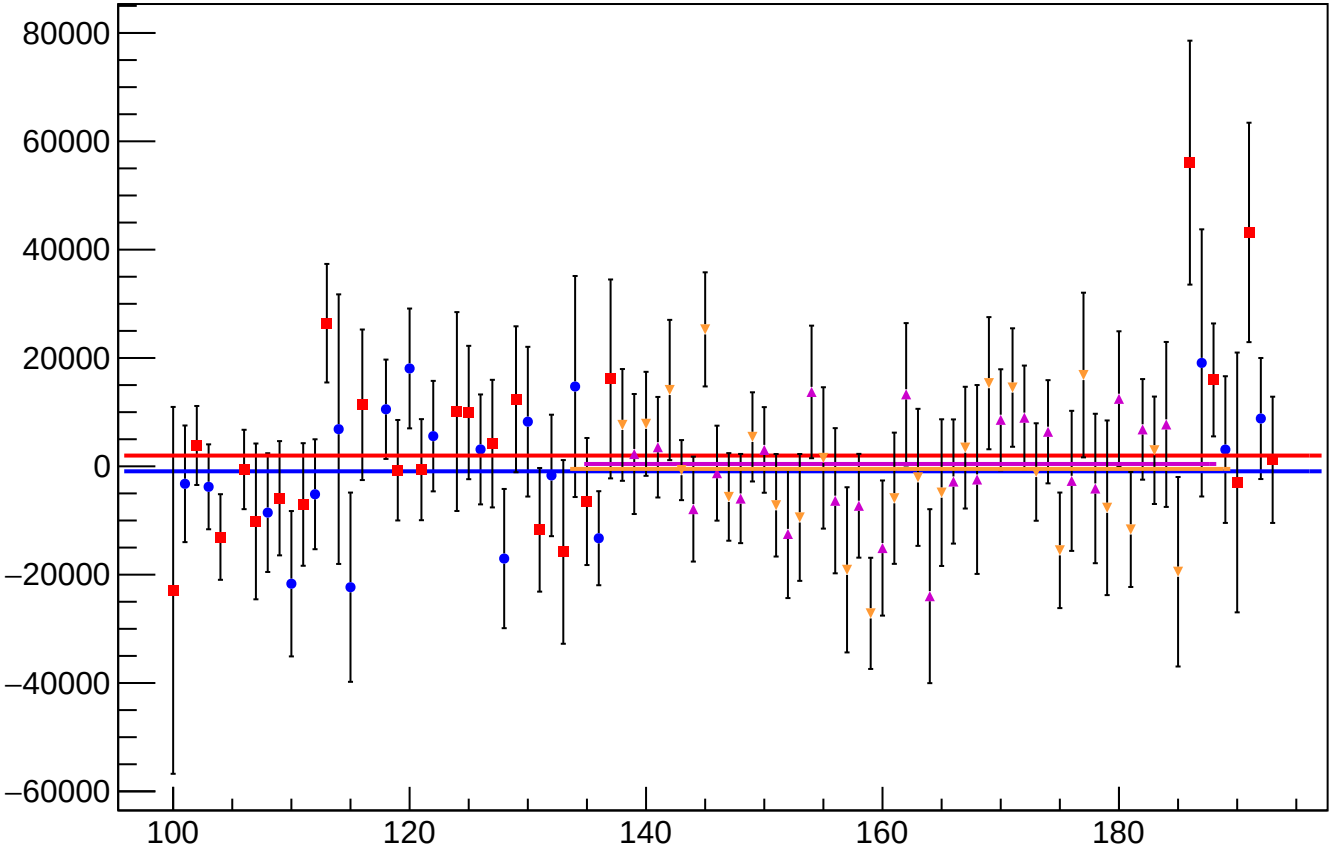
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1845.121+/-0.247 χ^2/NDF: 831898.5/43

All: 1848.289+/-0.175 χ^2/NDF: 1597508.4/90

- sign 1851.497+/-0.249 χ^2/NDF: 765279.8/46

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: 1986.824+/-2363.587 χ^2/NDF: 28.5/23

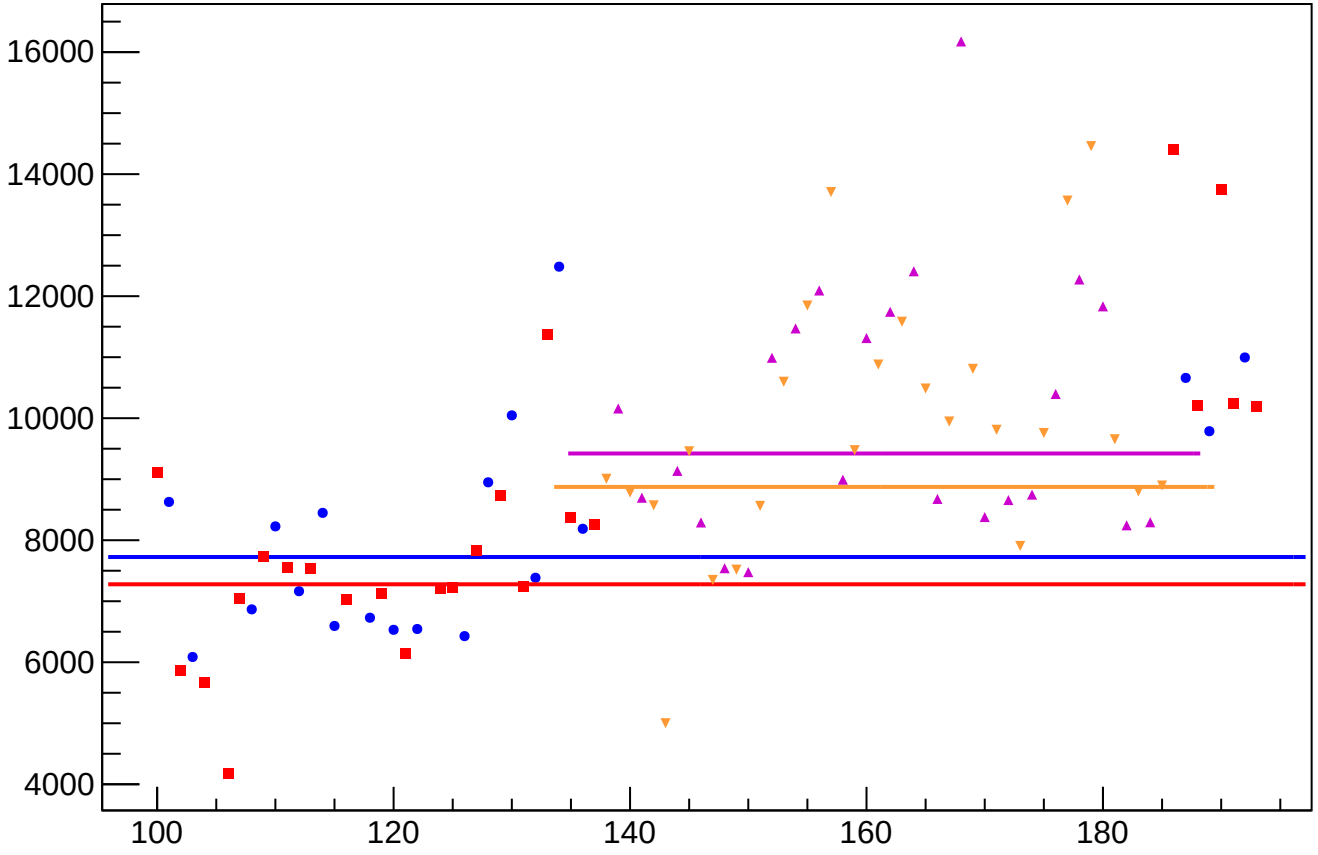
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -647.972+/-1639.757 χ^2/NDF: 44.9/43

All: 268.642+/-1155.244 χ^2/NDF: 87.8/90

- sign 1171.972+/-1627.833 χ^2/NDF: 42.3/46

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: 7277.800+/-1.671 χ^2/NDF: 1400939.4/23

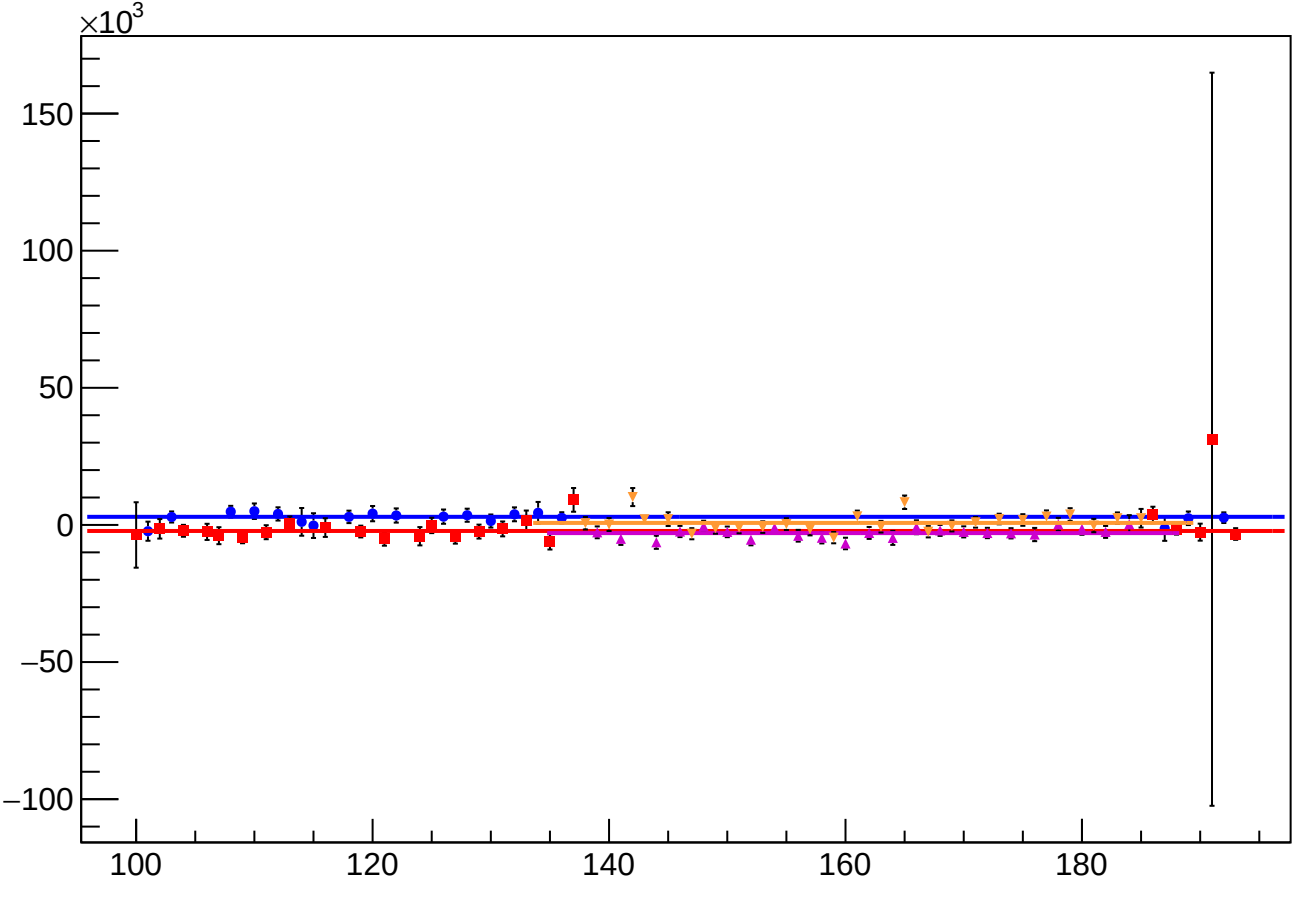
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8432.393+/-1.159 χ^2/NDF: 3111424.3/43

All: 8418.495+/-0.817 χ^2/NDF: 6582496.7/90

- sign 8404.798+/-1.151 χ^2/NDF: 3470787.1/46

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: -2200.530+/-564.554 χ^2/NDF: 20.3/23

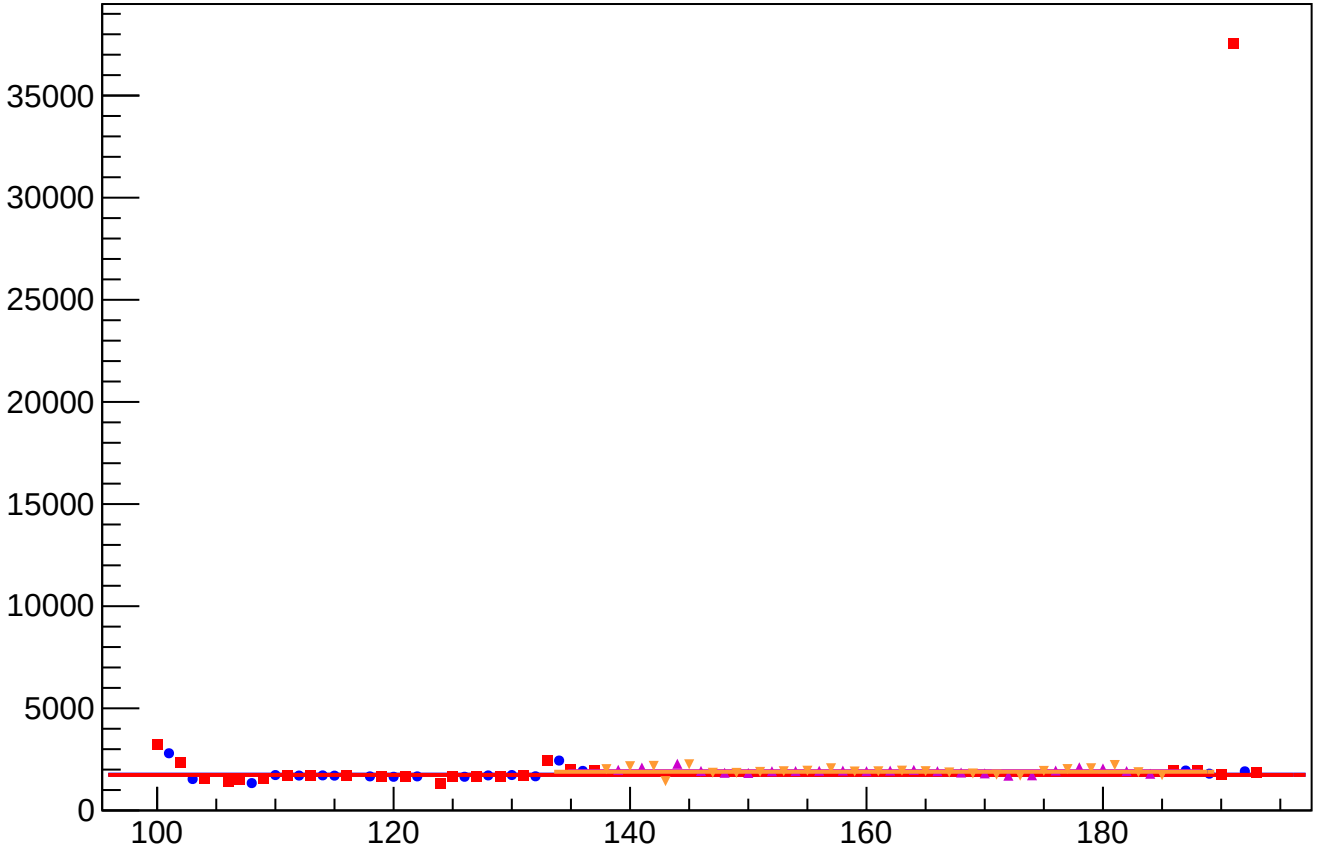
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1508.730+/-349.795 χ^2/NDF: 57.1/43

All: -570.397+/-248.136 χ^2/NDF: 165.3/90

- sign -2676.418+/-352.050 χ^2/NDF: 37.1/46

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

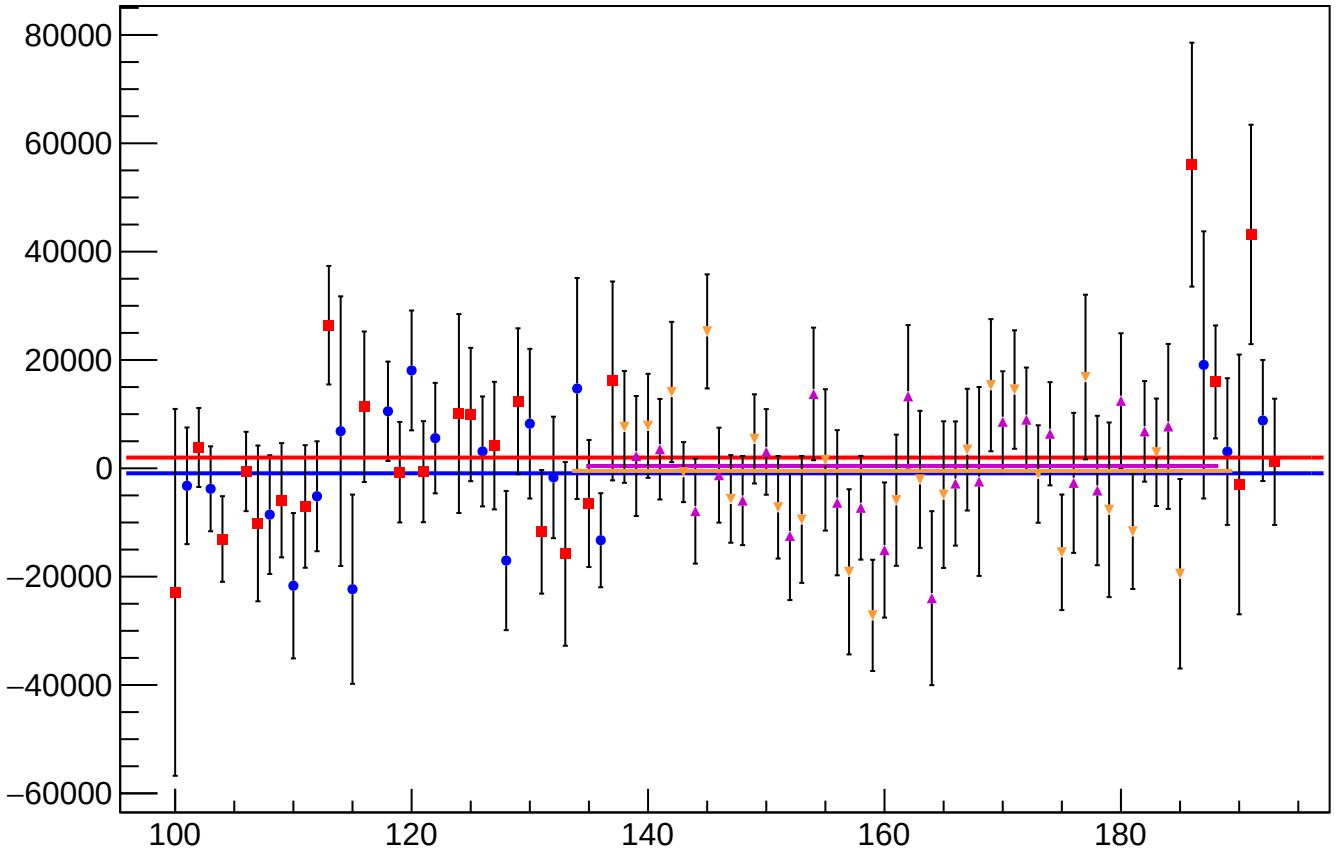
Right Out: 1739.127+/-0.399 χ^2/NDF: 484546.9/23

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1845.123+/-0.247 χ^2/NDF: 831909.8/43

All: 1848.291+/-0.175 χ^2/NDF: 1597532.4/90

- sign 1851.498+/-0.249 χ^2/NDF: 765292.5/46



Right In: -918.479+/-2646.160 χ^2/NDF: 16.0/18

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

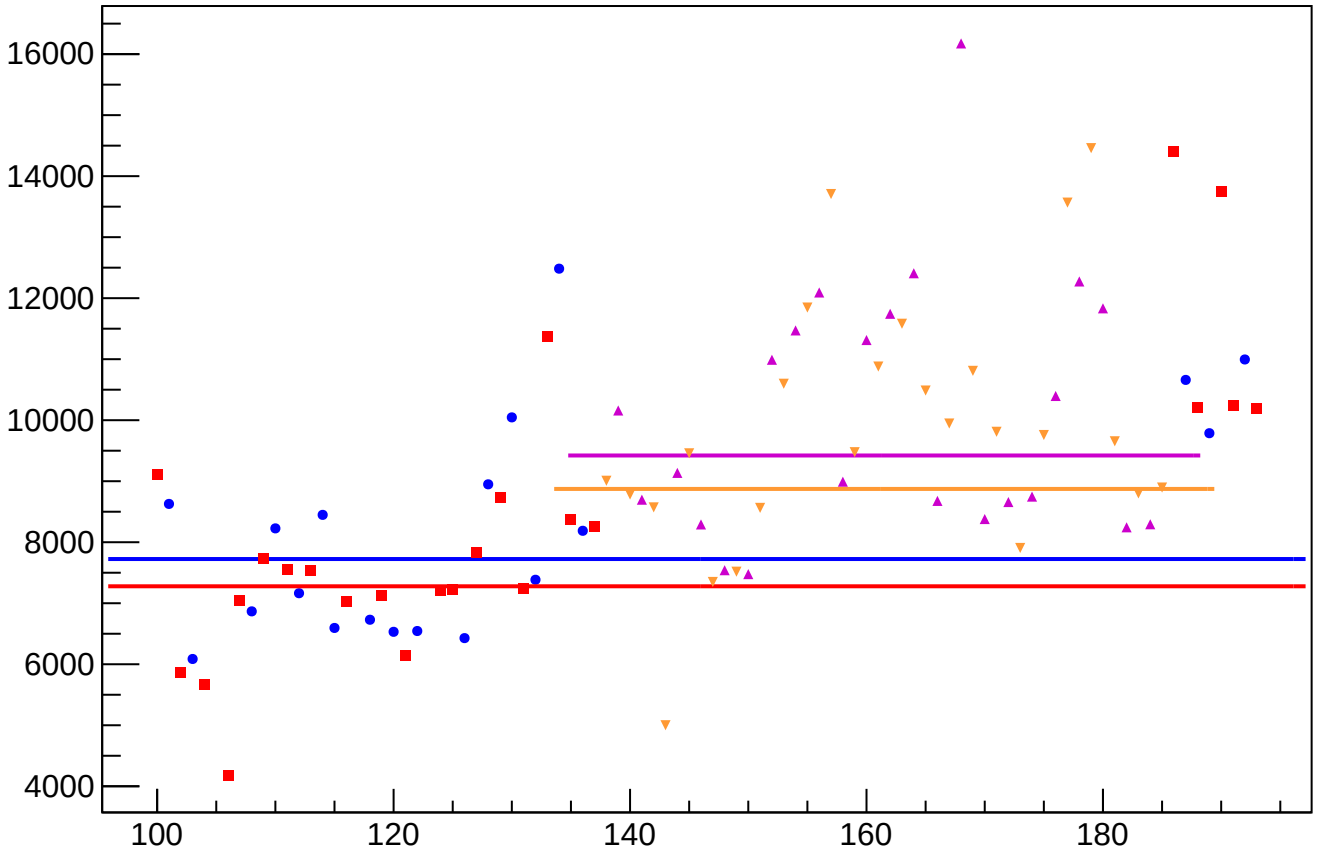
Right Out: 1986.809+/-2363.583 χ^2/NDF: 28.5/23

Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -647.971+/-1639.758 χ^2/NDF: 44.9/43

All: 268.641+/-1155.245 χ^2/NDF: 87.8/90

- sign 1171.969+/-1627.833 χ^2/NDF: 42.3/46



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: 7277.786+/-1.671 χ^2/NDF: 1400944.7/23

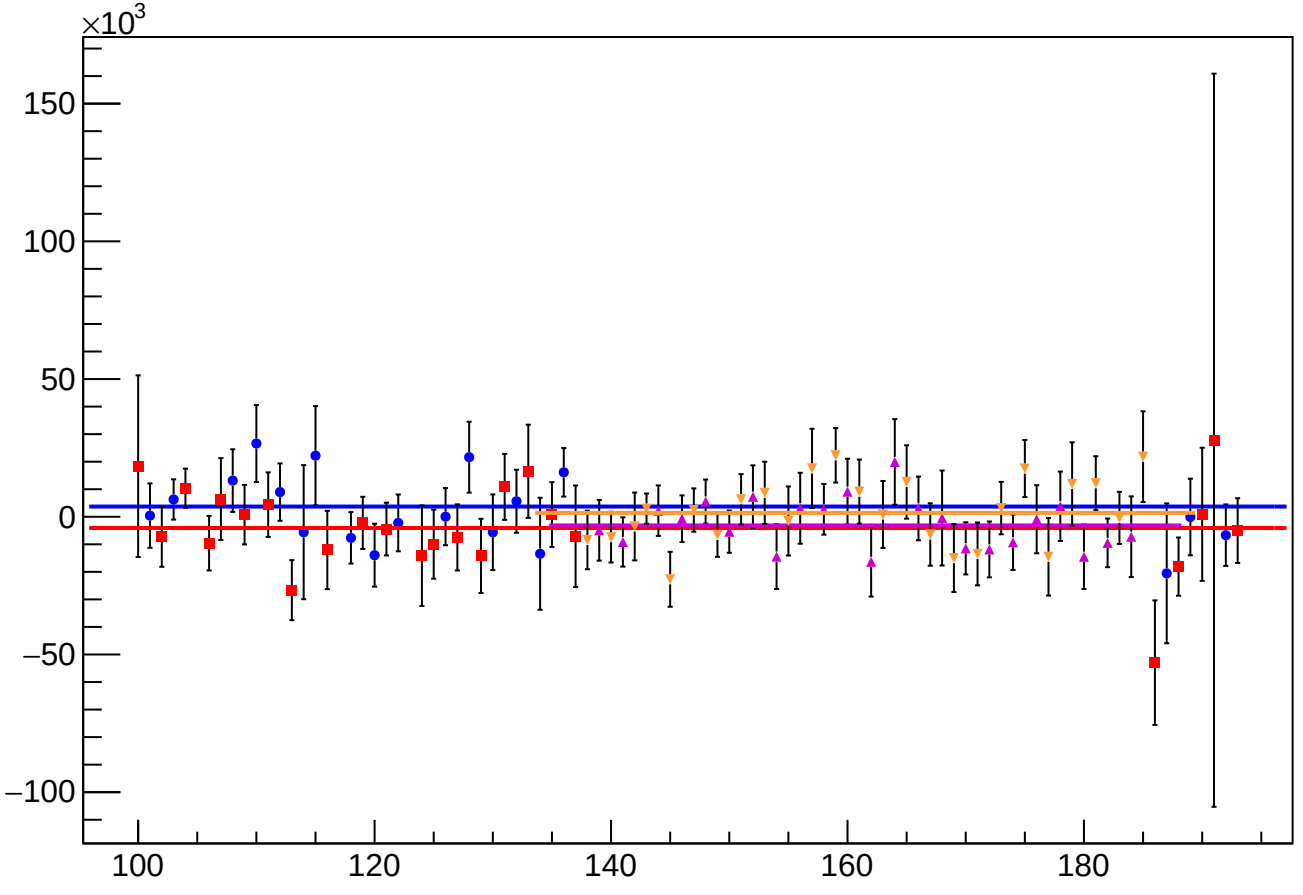
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8432.394+/-1.159 χ^2/NDF: 3111445.6/43

All: 8418.494+/-0.817 χ^2/NDF: 6582550.1/90

- sign 8404.796+/-1.151 χ^2/NDF: 3470819.1/46

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: -4077.011+/-2519.325 χ^2/NDF: 21.8/23

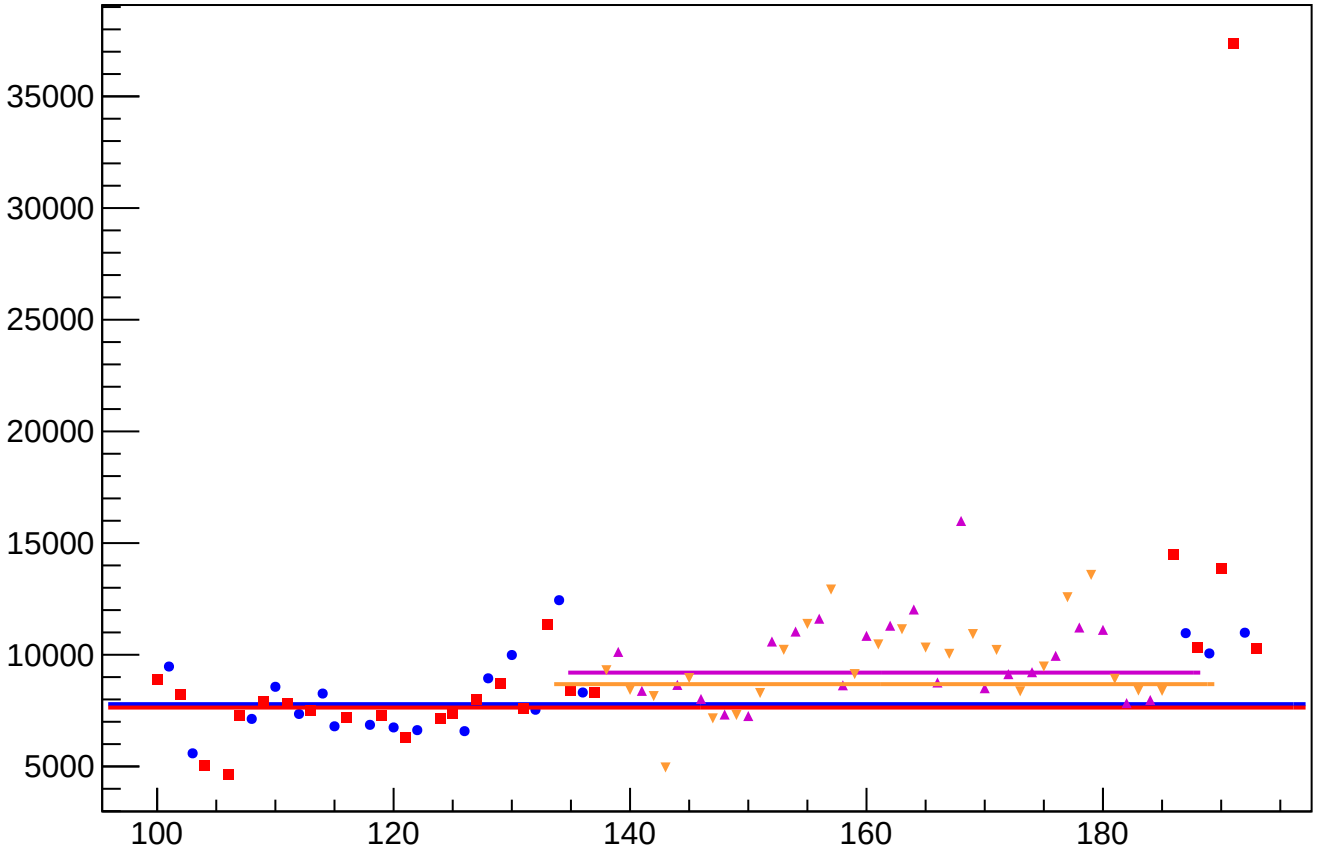
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

\+ sign 2255.144+/-1622.159 χ^2/NDF: 44.3/43

All: -589.939+/-1157.648 χ^2/NDF: 85.4/90

\- sign -3542.767+/-1652.589 χ^2/NDF: 34.9/46

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: 7636.227+/-1.781 χ^2/NDF: 1281838.8/23

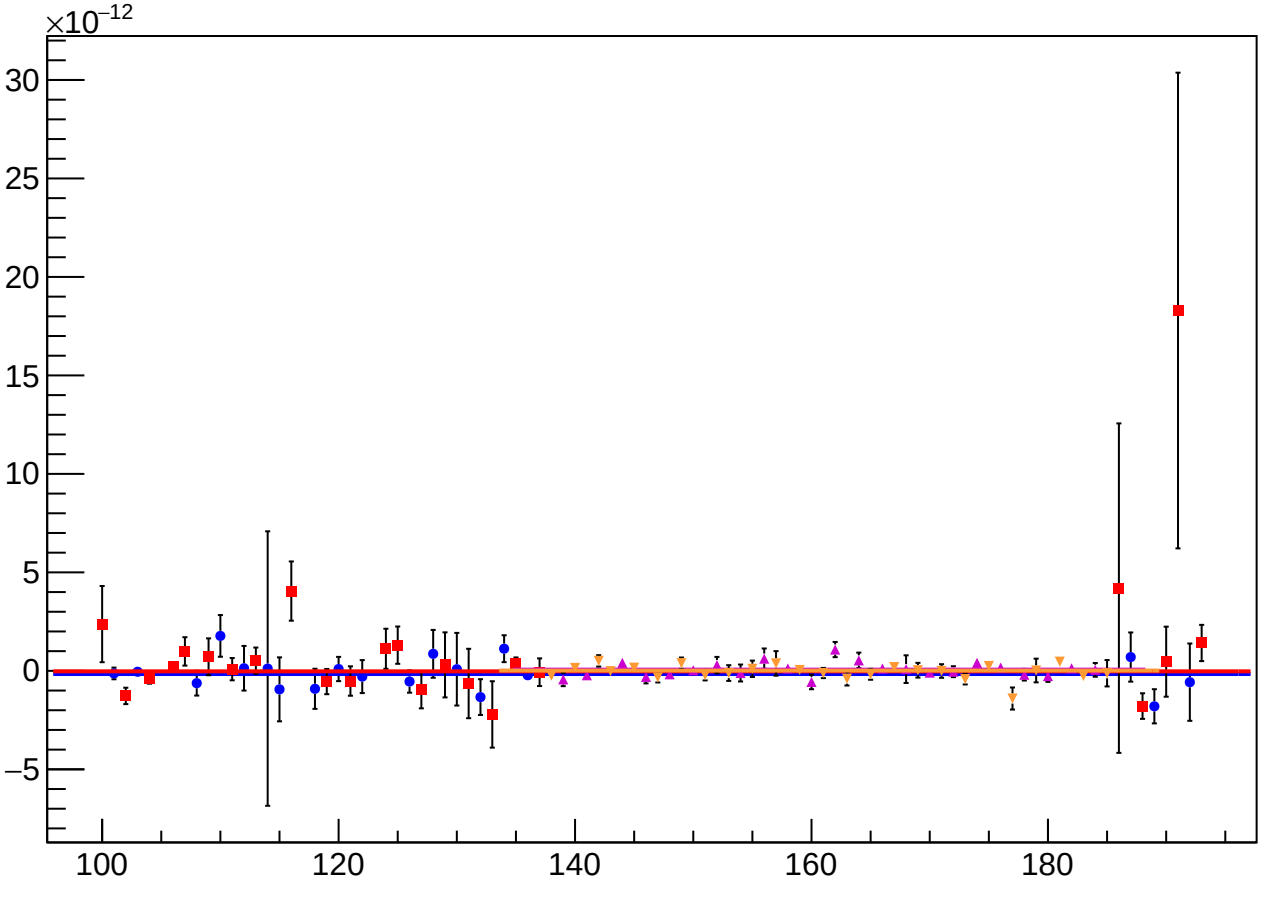
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8355.330+/-1.147 χ^2/NDF: 2957560.4/43

All: 8439.828+/-0.819 χ^2/NDF: 5819361.2/90

- sign 8527.522+/-1.169 χ^2/NDF: 2850742.0/46

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: 45.3/23

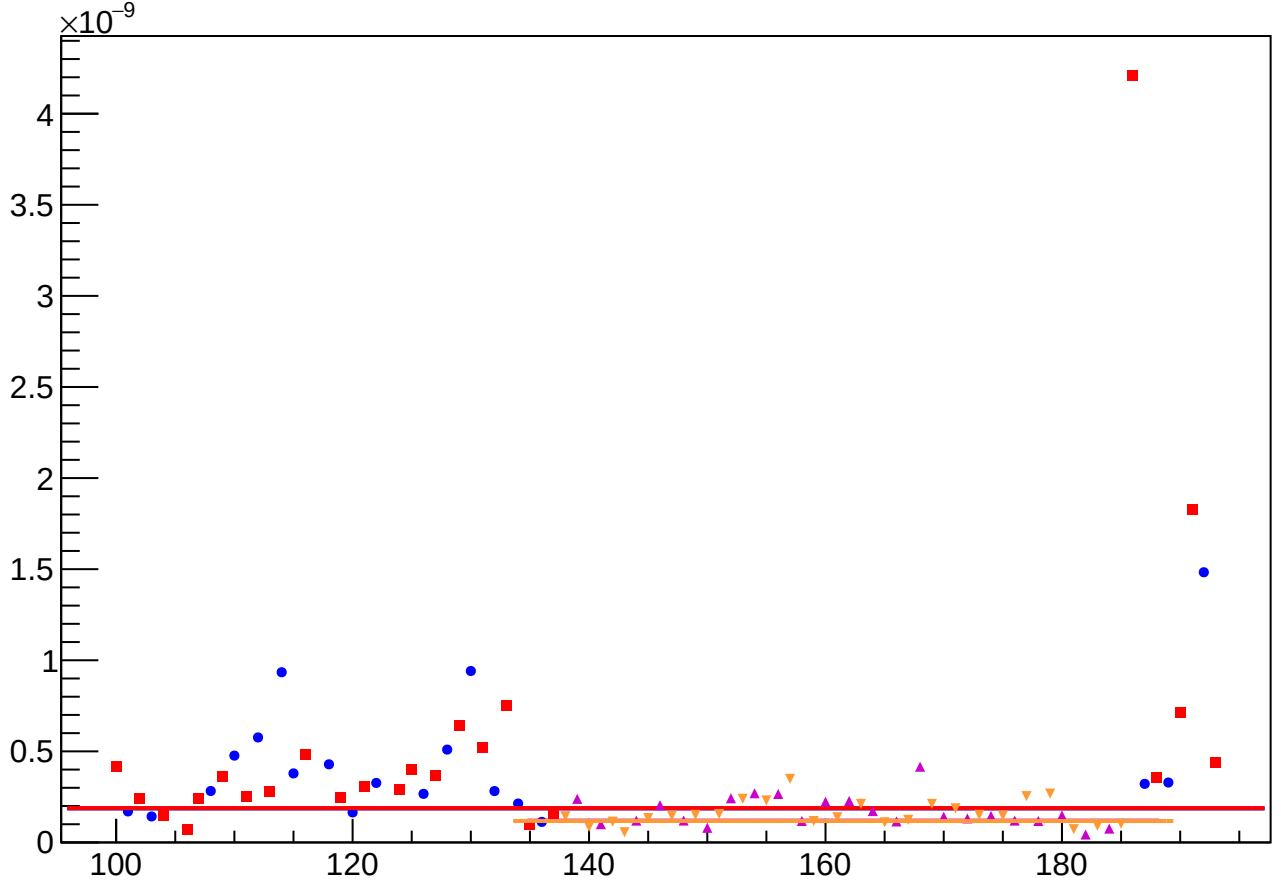
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.4/43

All: 0.000+/-0.000 χ^2/NDF: 120.7/90

- sign 0.000+/-0.000 χ^2/NDF: 73.5/46

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: 2621080.7/23

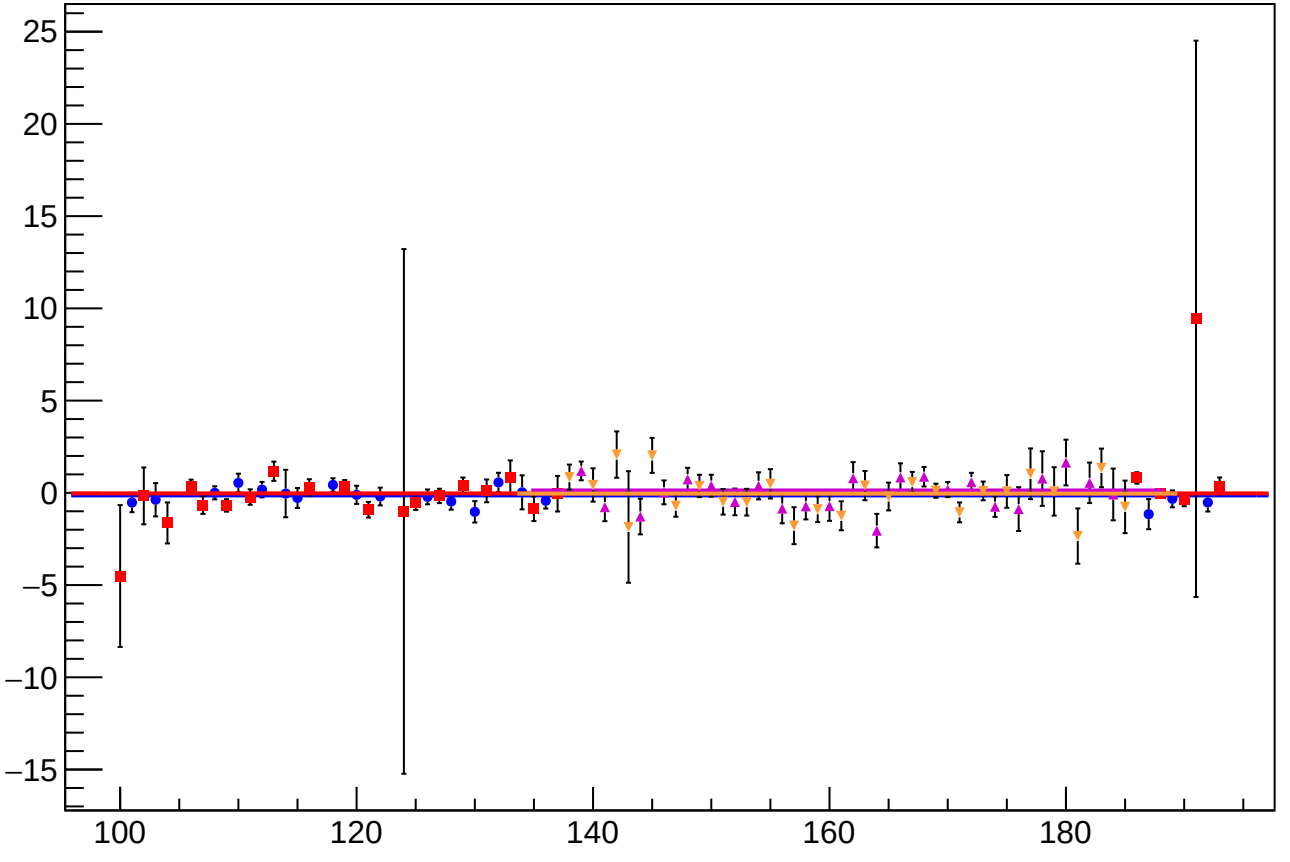
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5406253.8/43

All: 0.000+/-0.000 χ^2/NDF: 11247763.9/90

- sign 0.000+/-0.000 χ^2/NDF: 5837361.9/46

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: -0.031+/-0.089 χ^2/NDF: 35.5/23

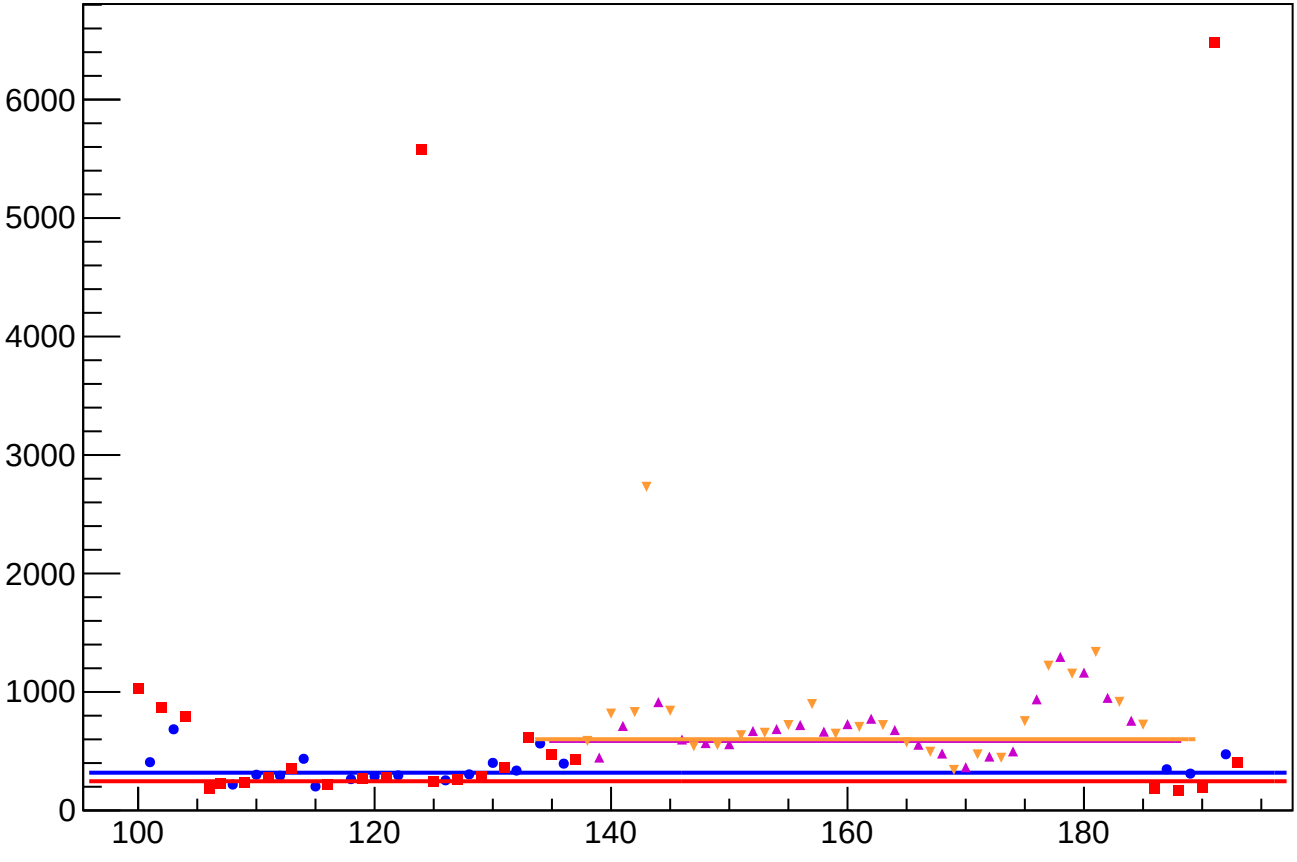
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.103+/-0.090 χ^2/NDF: 43.7/43

All: -0.035+/-0.058 χ^2/NDF: 110.1/90

- sign 0.012+/-0.076 χ^2/NDF: 65.4/46

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: 246.519+/-0.063 χ^2/NDF: 3161106.9/23

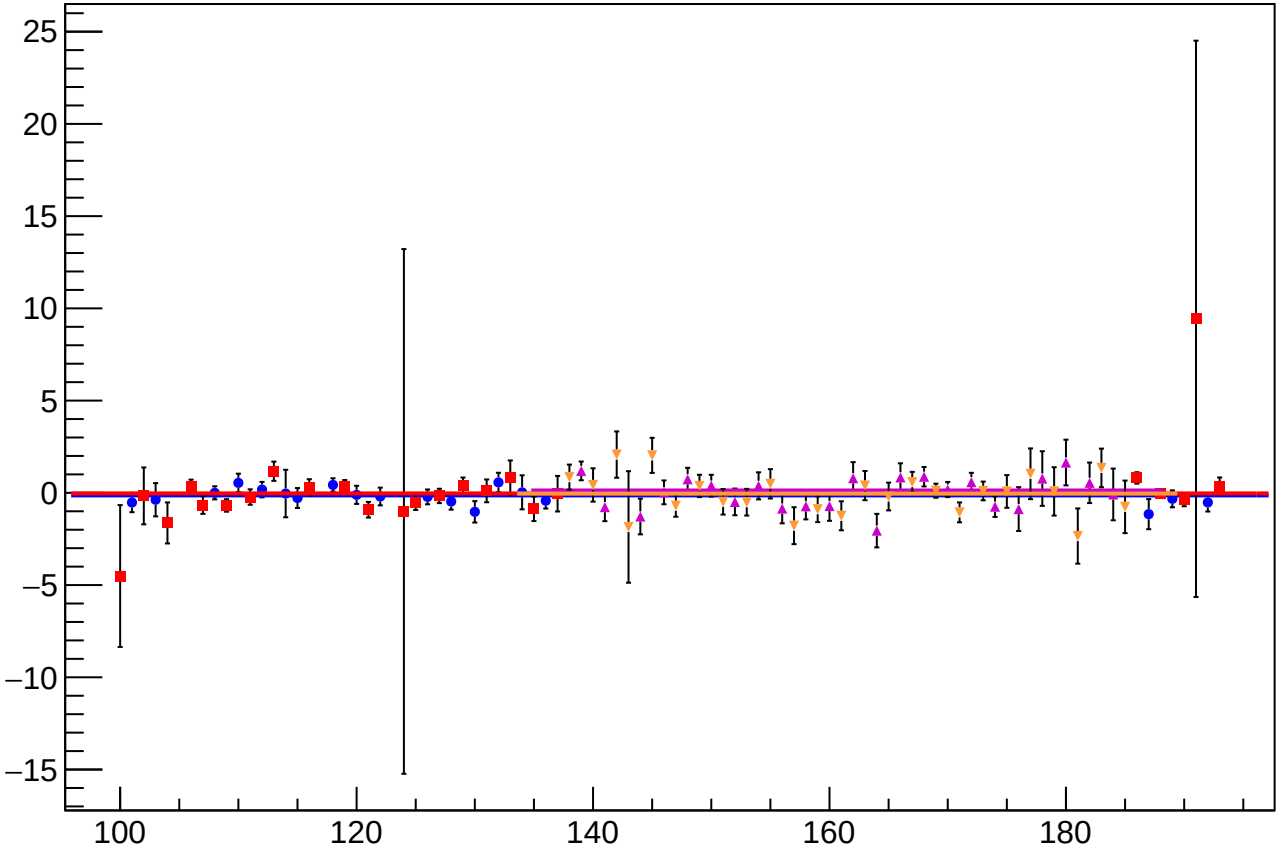
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 423.668+/-0.064 χ^2/NDF: 10299456.6/43

All: 374.233+/-0.041 χ^2/NDF: 25423658.8/90

- sign 339.150+/-0.054 χ^2/NDF: 14090849.4/46

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: -0.031+/-0.089 χ^2/NDF: 35.5/23

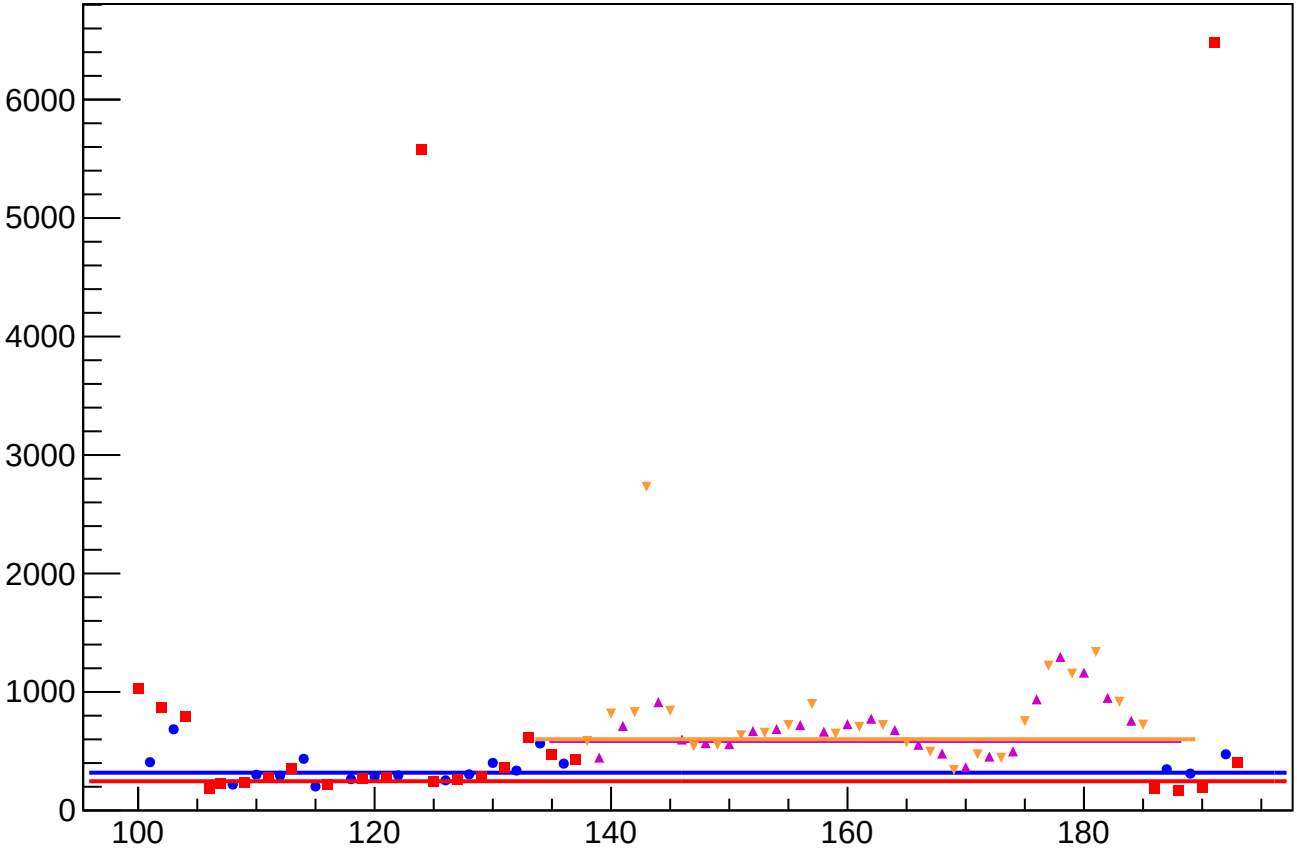
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.103+/-0.090 χ^2/NDF: 43.7/43

All: -0.035+/-0.058 χ^2/NDF: 110.1/90

- sign 0.012+/-0.076 χ^2/NDF: 65.4/46

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

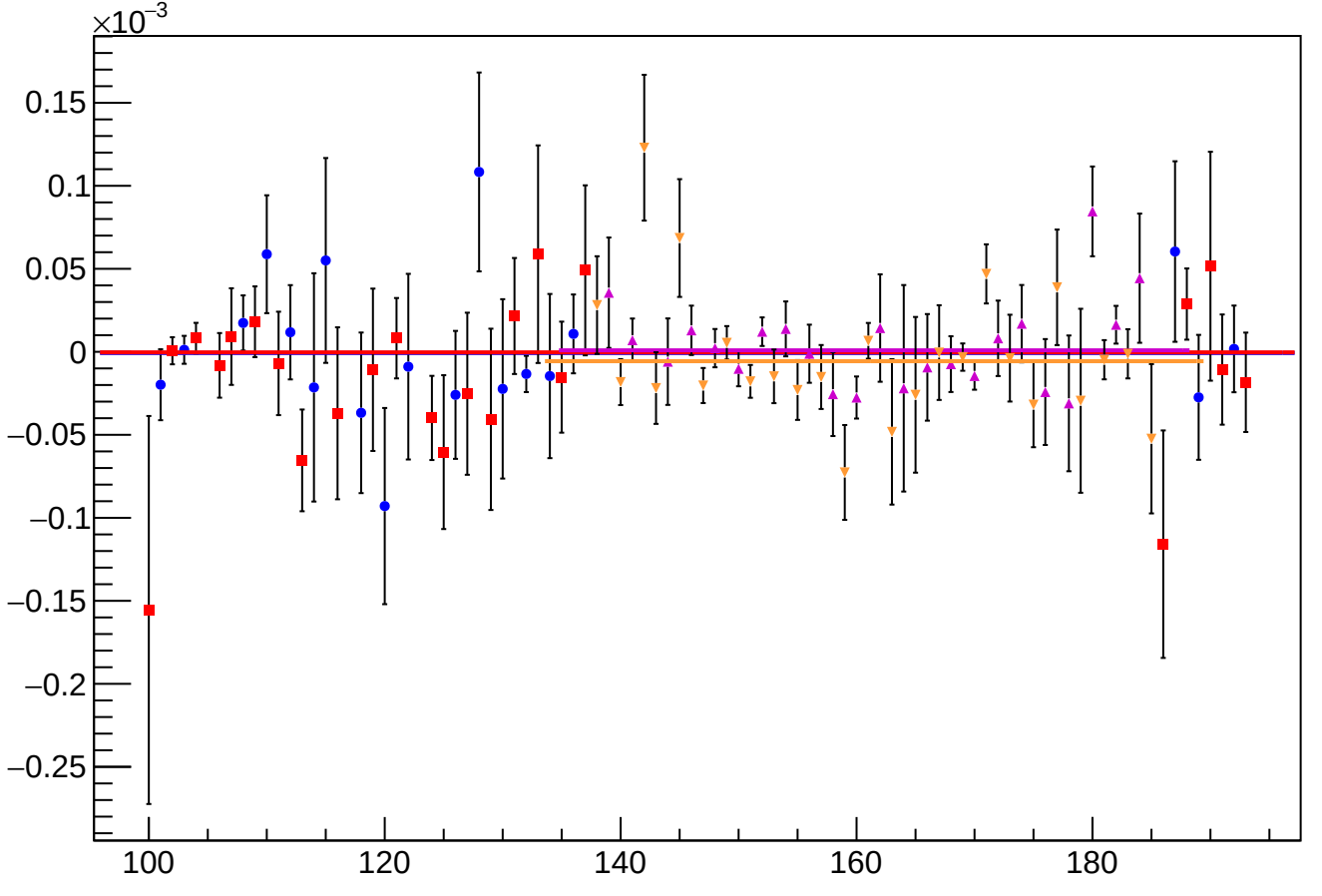
Right Out: 246.519+/-0.063 χ^2/NDF: 3161106.9/23

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 423.668+/-0.064 χ^2/NDF: 10299456.6/43

All: 374.233+/-0.041 χ^2/NDF: 25423658.8/90

- sign 339.150+/-0.054 χ^2/NDF: 14090849.4/46



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: 21.9/23

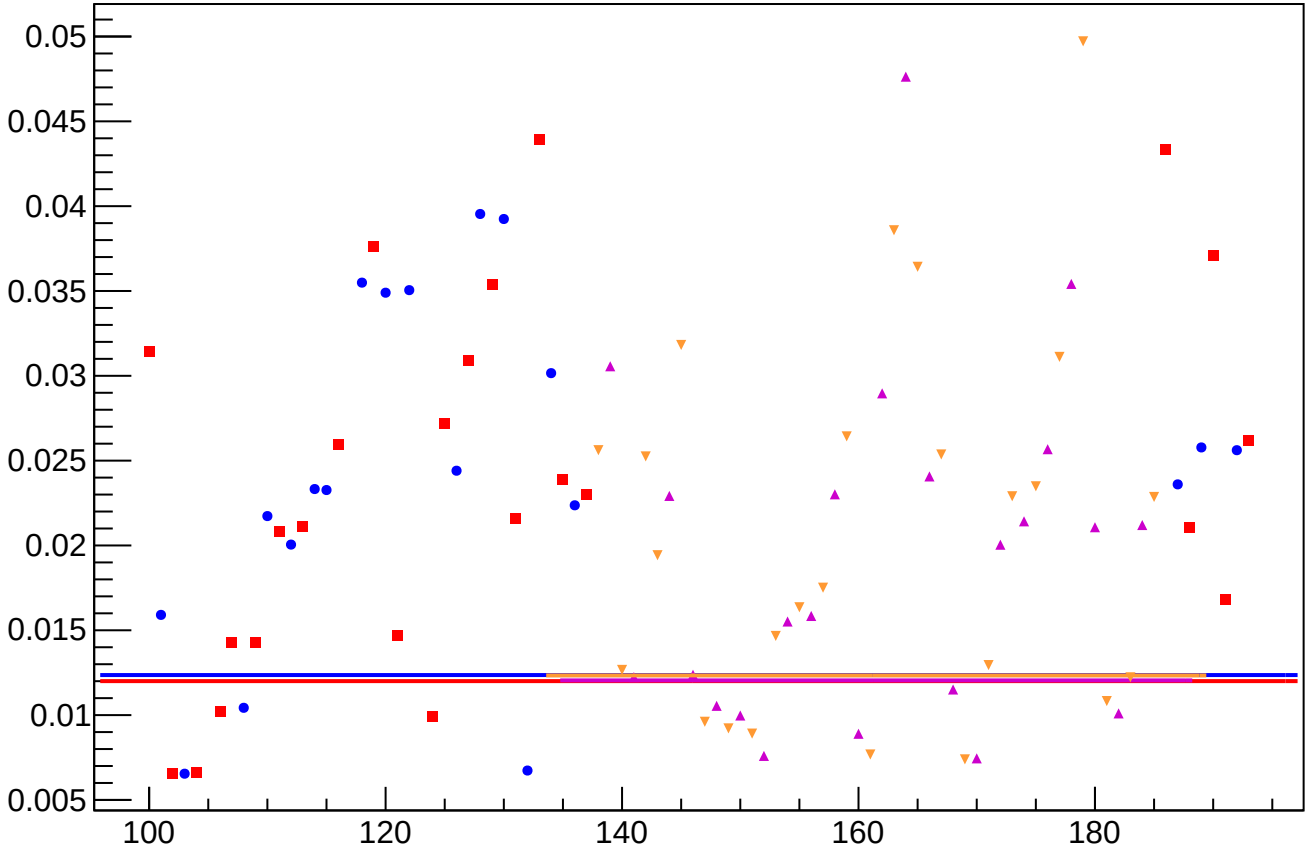
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.5/43

All: -0.000+/-0.000 χ^2/NDF: 113.2/90

- sign 0.000+/-0.000 χ^2/NDF: 52.1/46

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 5615669.5/18

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

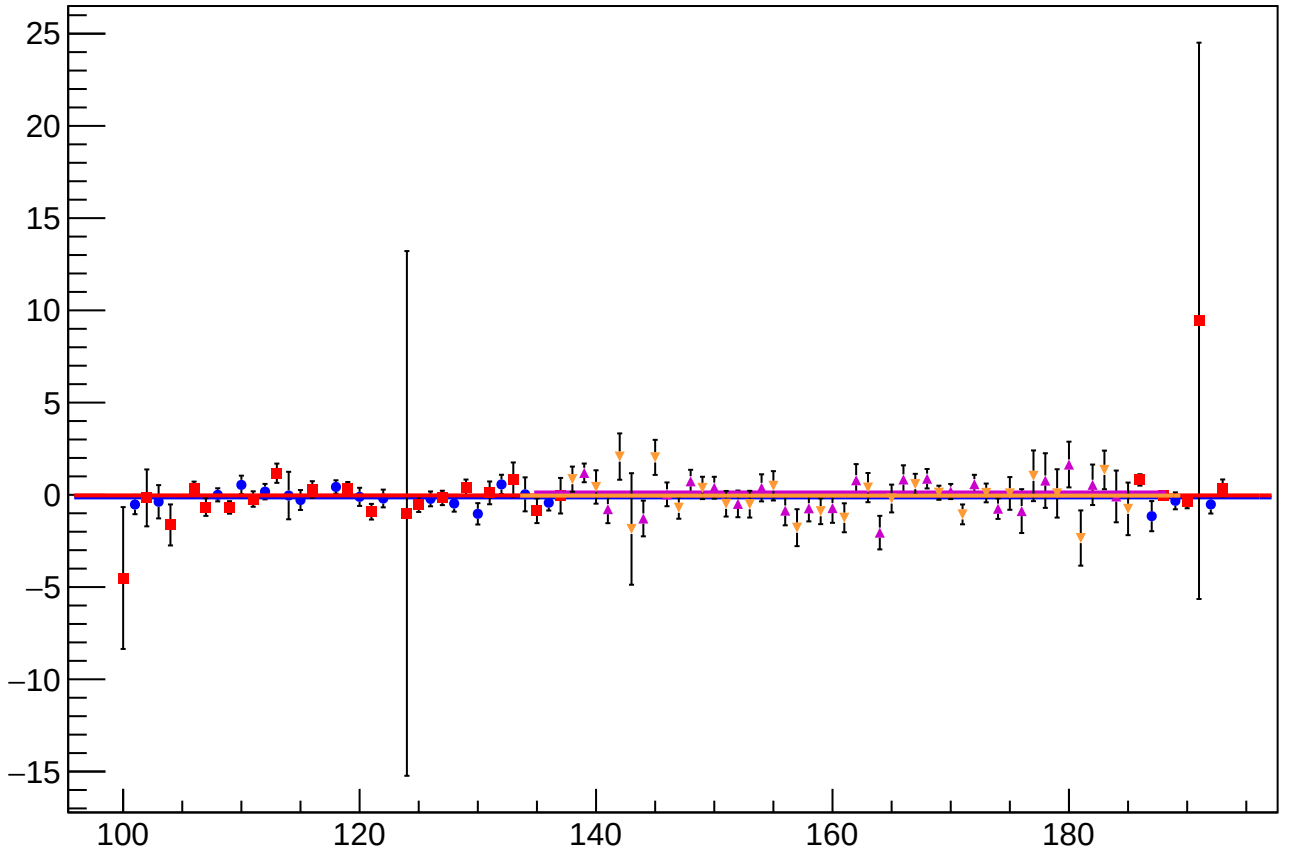
Right Out: 0.012+/-0.000 χ^2/NDF: 6128989.7/23

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 13454817.3/43

All: 0.012+/-0.000 χ^2/NDF: 25976823.3/90

- sign 0.012+/-0.000 χ^2/NDF: 12508500.8/46



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: -0.031+/-0.089 χ^2/NDF: 35.5/23

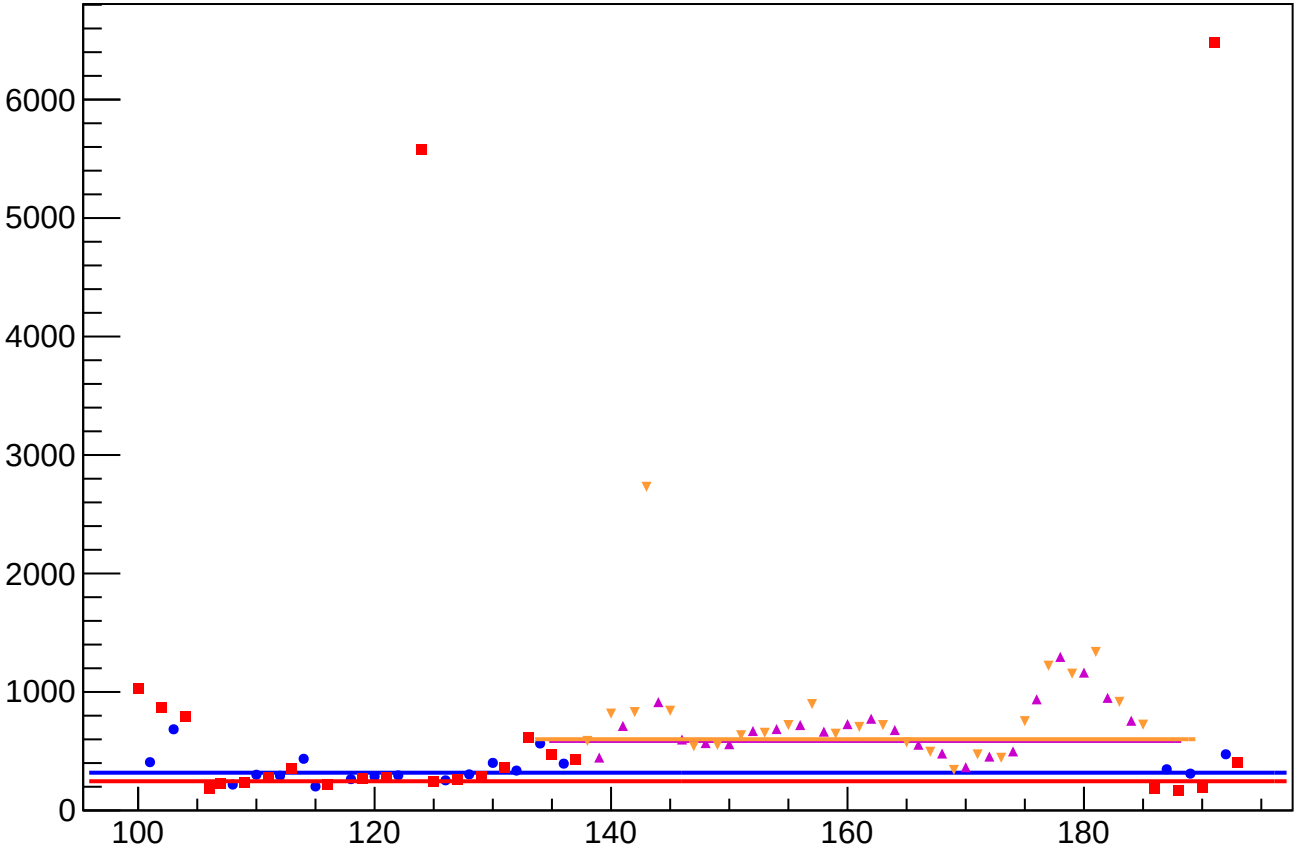
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.103+/-0.090 χ^2/NDF: 43.7/43

All: -0.035+/-0.058 χ^2/NDF: 110.1/90

- sign 0.012+/-0.076 χ^2/NDF: 65.4/46

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

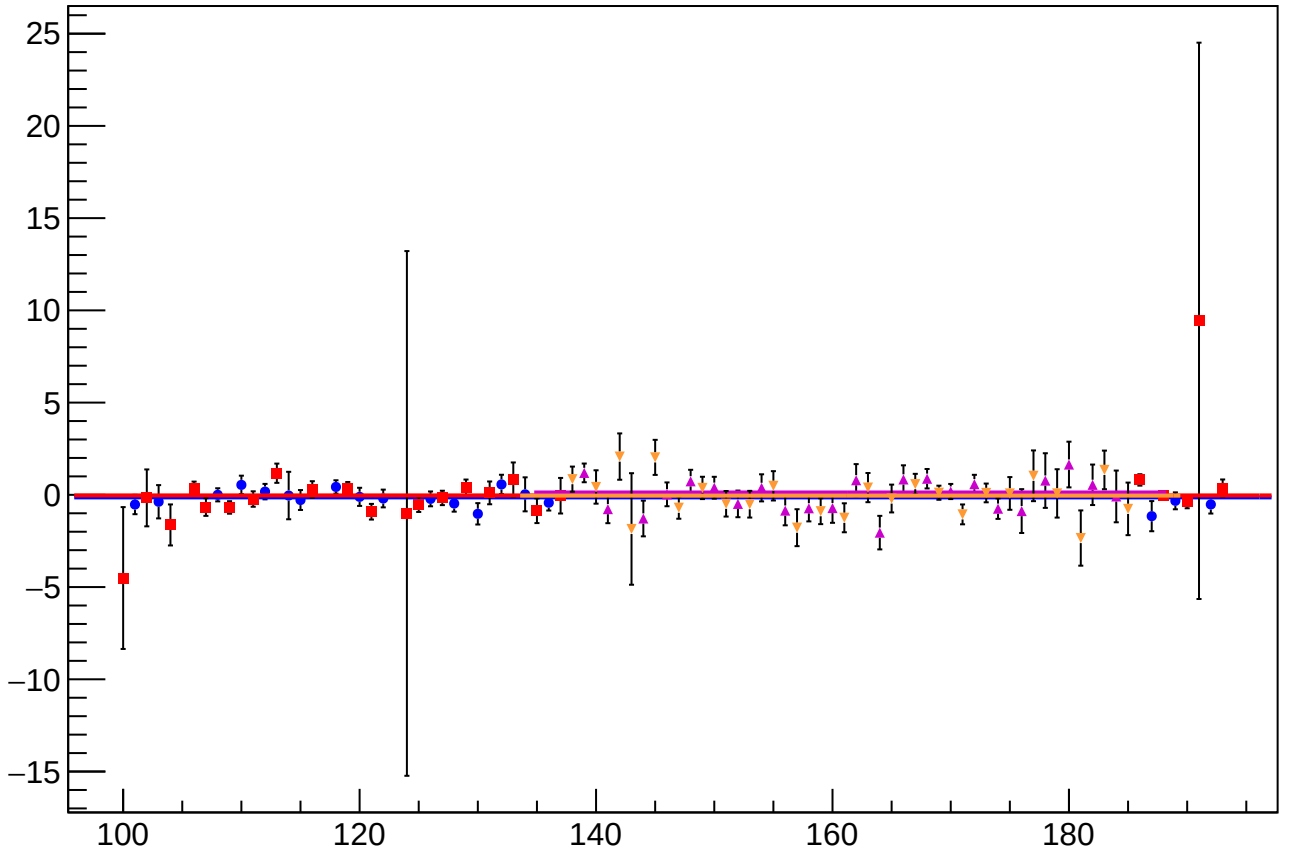
Right Out: 246.512+/-0.063 χ^2/NDF: 3161266.3/23

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 423.666+/-0.064 χ^2/NDF: 10299682.4/43

All: 374.227+/-0.041 χ^2/NDF: 25424799.7/90

- sign 339.142+/-0.054 χ^2/NDF: 14091603.1/46



Right In: -0.139+/-0.113 χ^2/NDF: 13.3/18

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

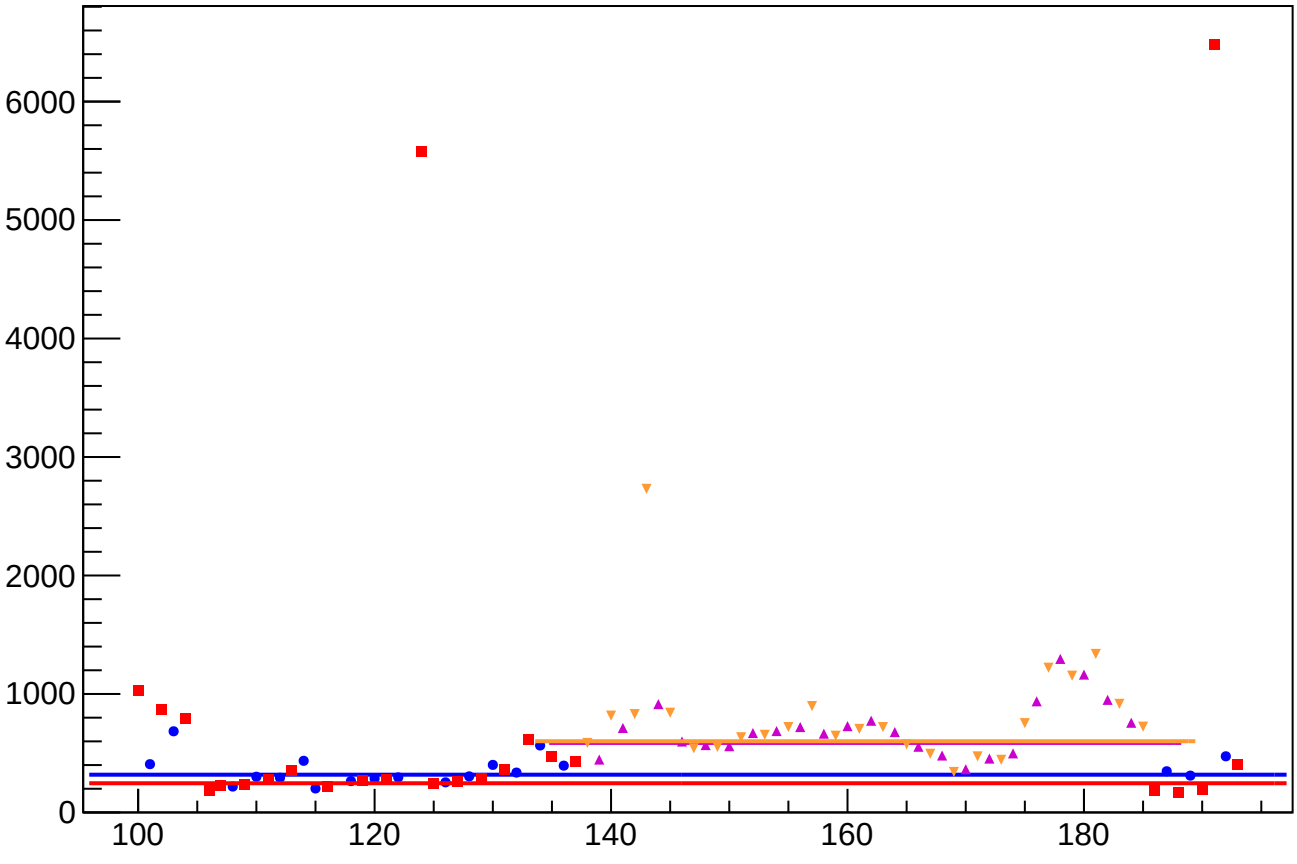
Right Out: -0.031+/-0.089 χ^2/NDF: 35.5/23

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.103+/-0.090 χ^2/NDF: 43.7/43

All: -0.035+/-0.058 χ^2/NDF: 110.1/90

- sign 0.012+/-0.076 χ^2/NDF: 65.4/46



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: 246.512+/-0.063 χ^2/NDF: 3161266.3/23

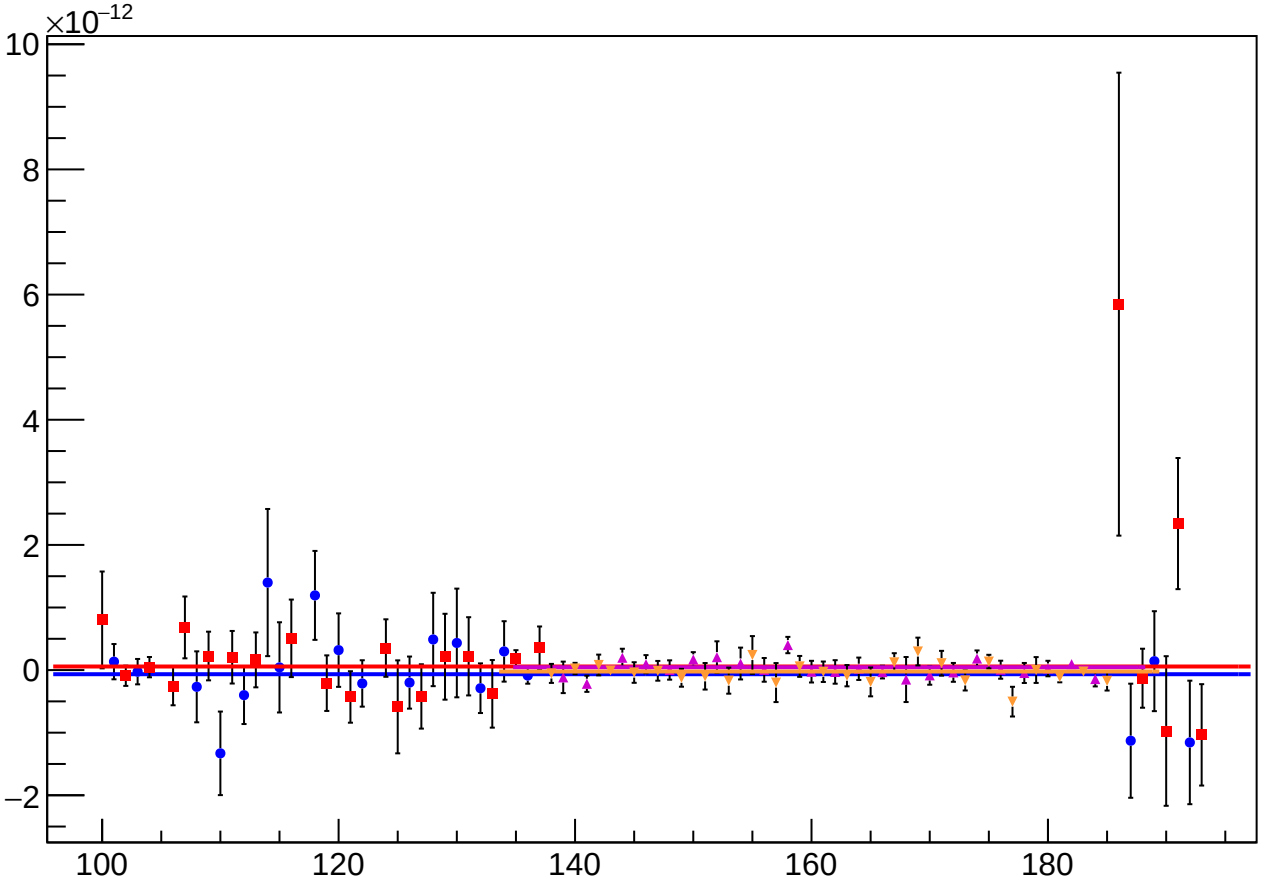
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 423.666+/-0.064 χ^2/NDF: 10299682.4/43

All: 374.227+/-0.041 χ^2/NDF: 25424799.7/90

- sign 339.142+/-0.054 χ^2/NDF: 14091603.1/46

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: 21.4/23

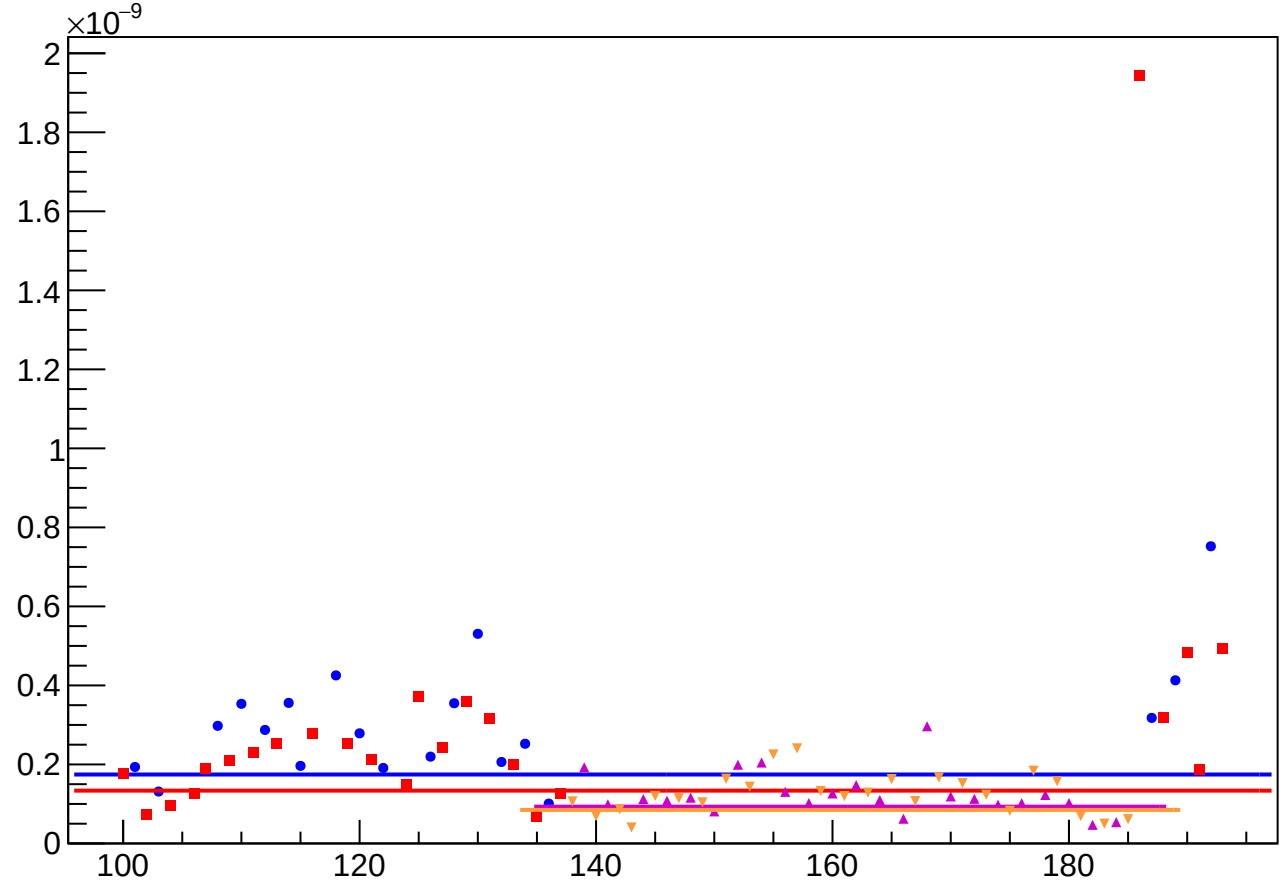
Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.2/43

All: 0.000+/-0.000 χ^2/NDF: 78.7/90

- sign 0.000+/-0.000 χ^2/NDF: 43.4/46

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: 3598240.4/23

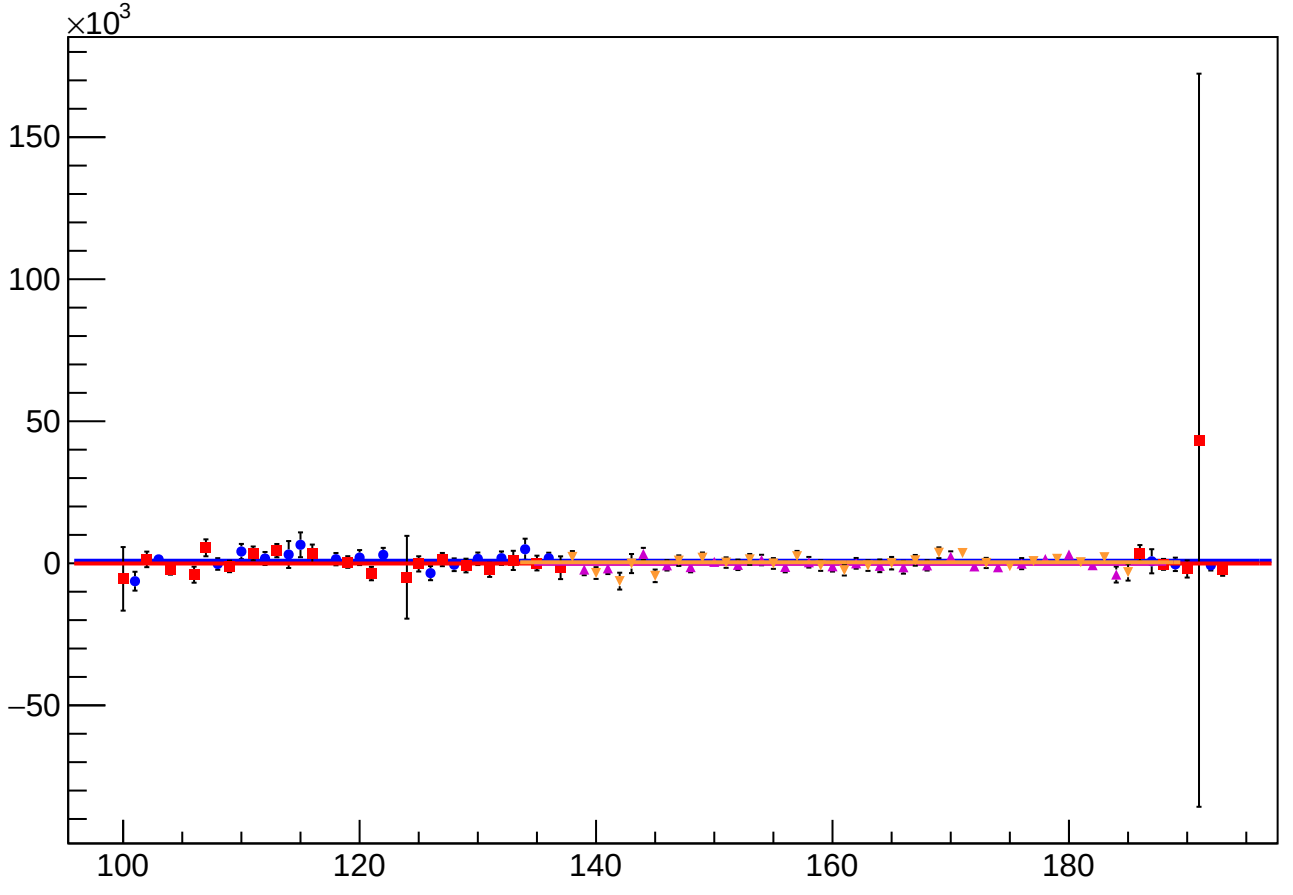
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10401334.0/43

All: 0.000+/-0.000 χ^2/NDF: 18521129.1/90

- sign 0.000+/-0.000 χ^2/NDF: 8061534.9/46

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: -72.024+/-535.263 χ^2/NDF: 21.8/23

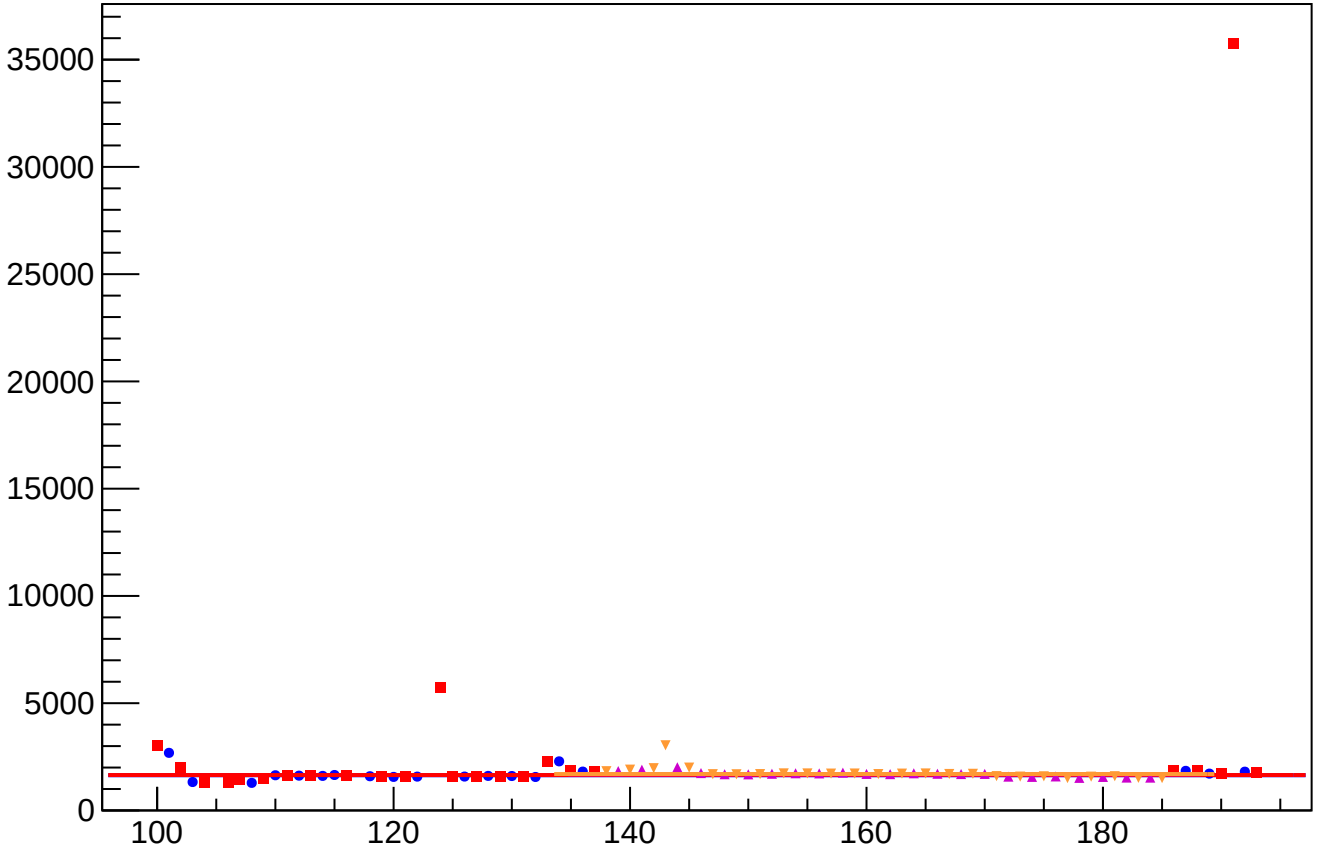
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 538.072+/-318.379 χ^2/NDF: 45.9/43

All: 204.489+/-224.796 χ^2/NDF: 85.9/90

- sign -127.131+/-317.441 χ^2/NDF: 37.8/46

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: 1650.372+/-0.378 χ^2/NDF: 633419.6/23

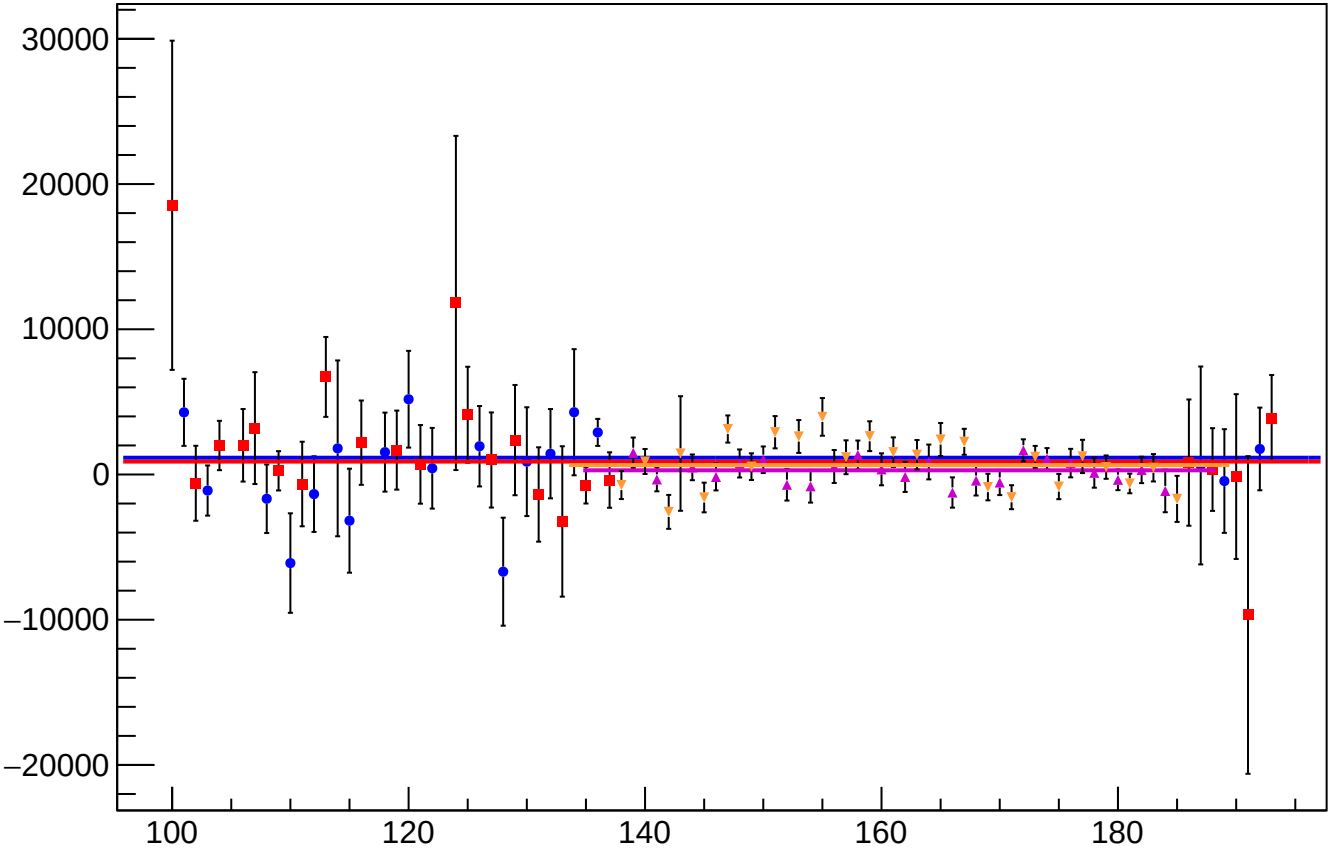
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1679.118+/-0.225 χ^2/NDF: 941122.0/43

All: 1675.822+/-0.159 χ^2/NDF: 1745619.3/90

- sign 1672.546+/-0.224 χ^2/NDF: 804070.1/46

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: 889.079+/-530.986 χ^2/NDF: 16.3/23

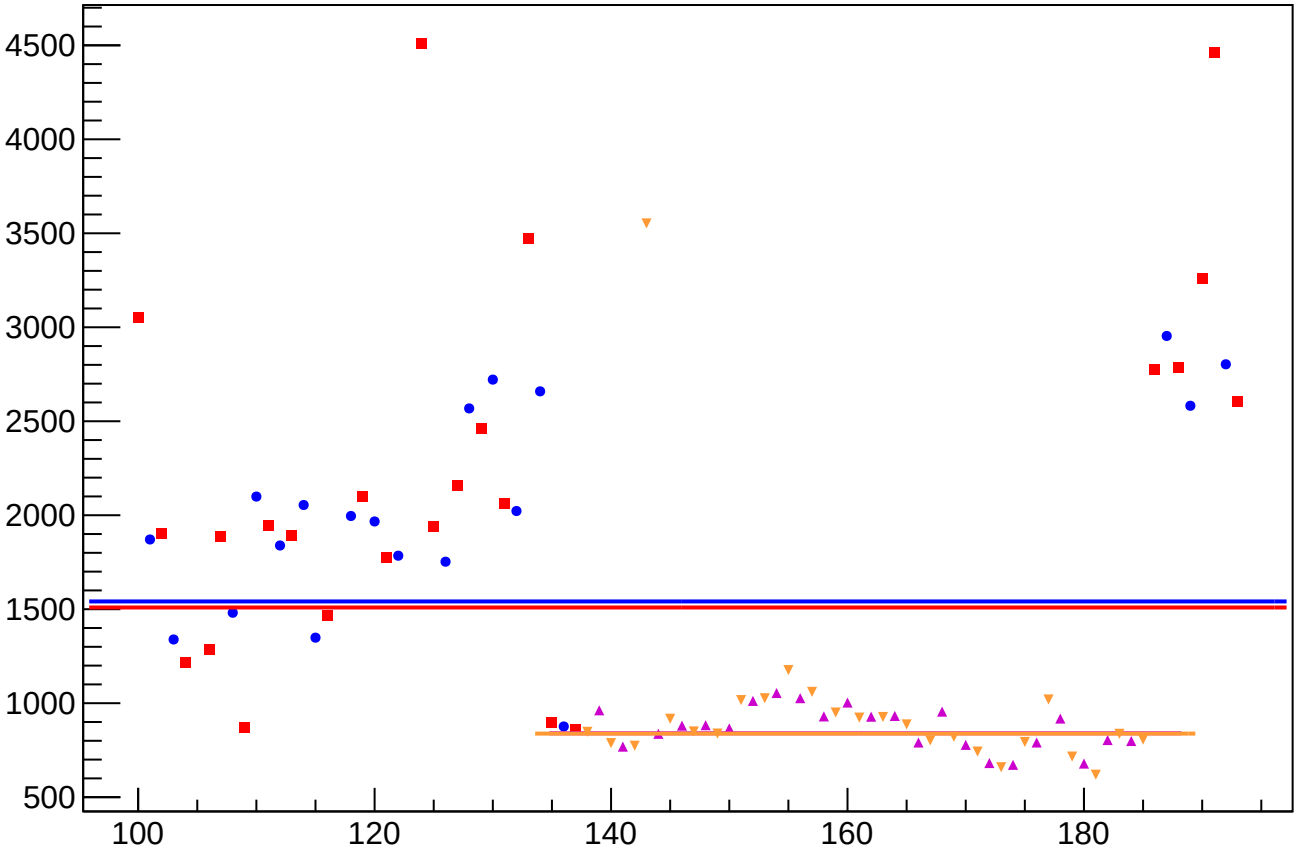
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 704.398+/-184.666 χ^2/NDF: 88.5/43

All: 534.483+/-131.022 χ^2/NDF: 124.1/90

- sign 362.238+/-185.928 χ^2/NDF: 34.0/46

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

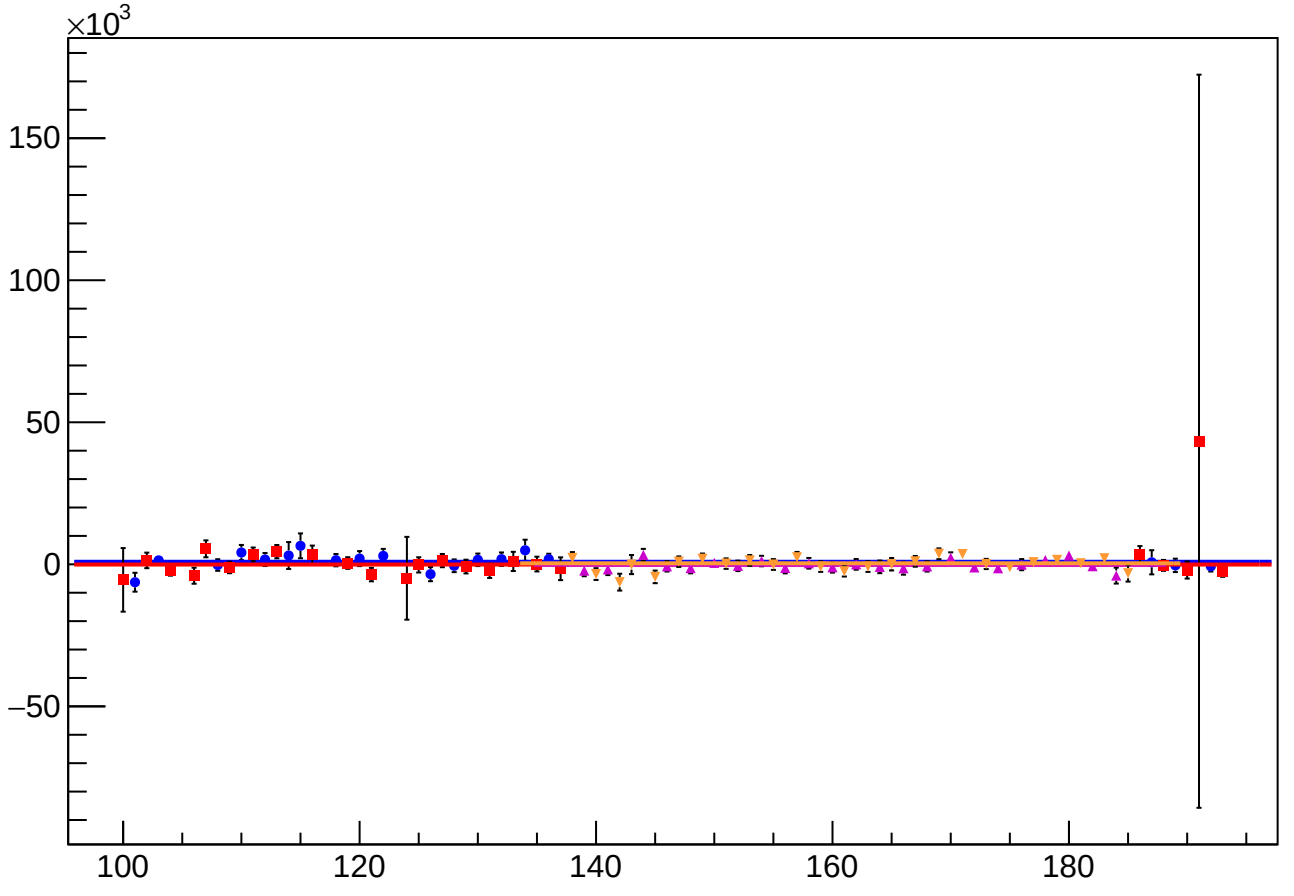
Right Out: 1509.191+/-0.375 χ^2/NDF: 3423920.2/23

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 915.111+/-0.131 χ^2/NDF: 7111416.2/43

All: 918.546+/-0.093 χ^2/NDF: 13993395.8/90

- sign 922.028+/-0.131 χ^2/NDF: 6880586.4/46



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: -71.794+/-535.263 χ^2/NDF: 21.8/23

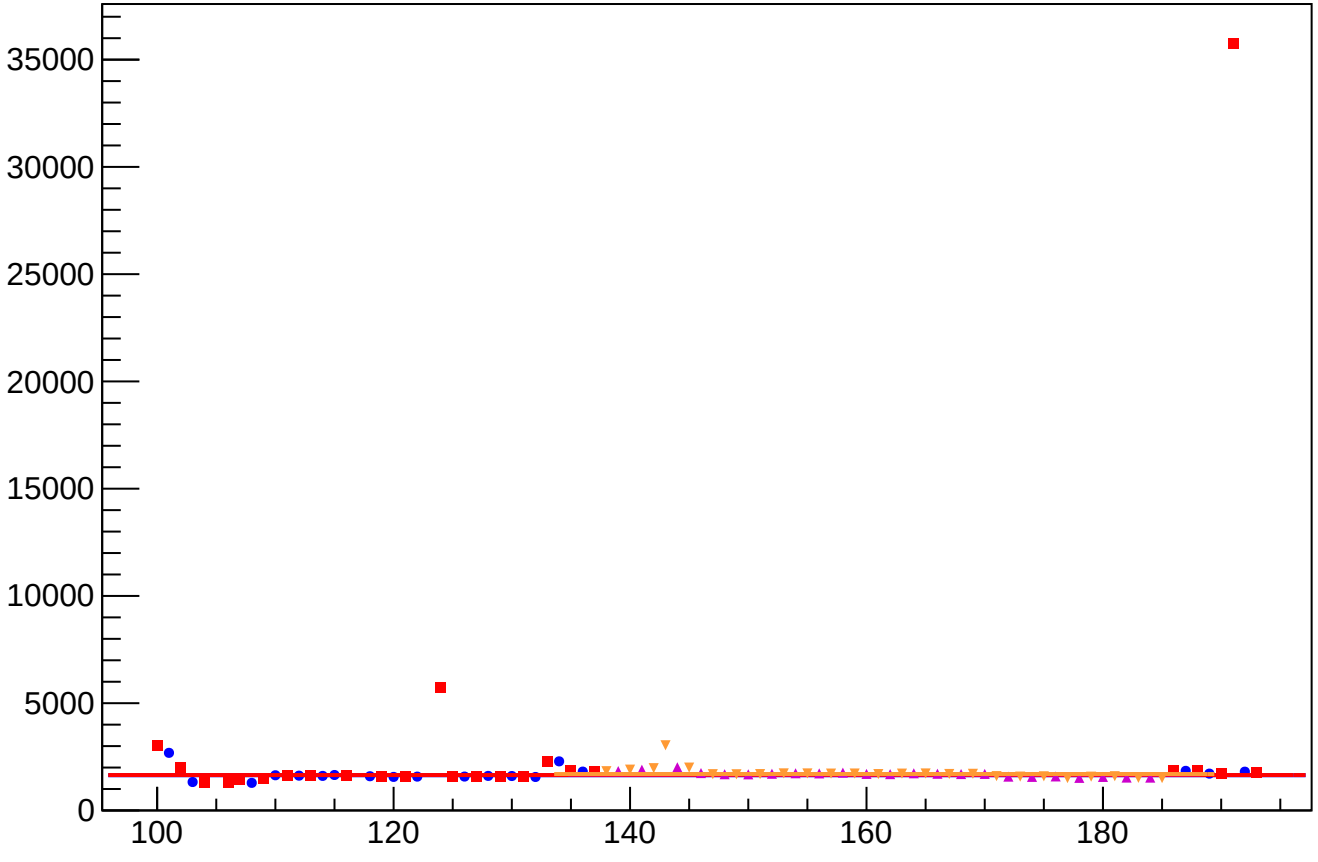
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 537.994+/-318.379 χ^2/NDF: 45.9/43

All: 204.521+/-224.796 χ^2/NDF: 85.9/90

- sign -126.989+/-317.441 χ^2/NDF: 37.8/46

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

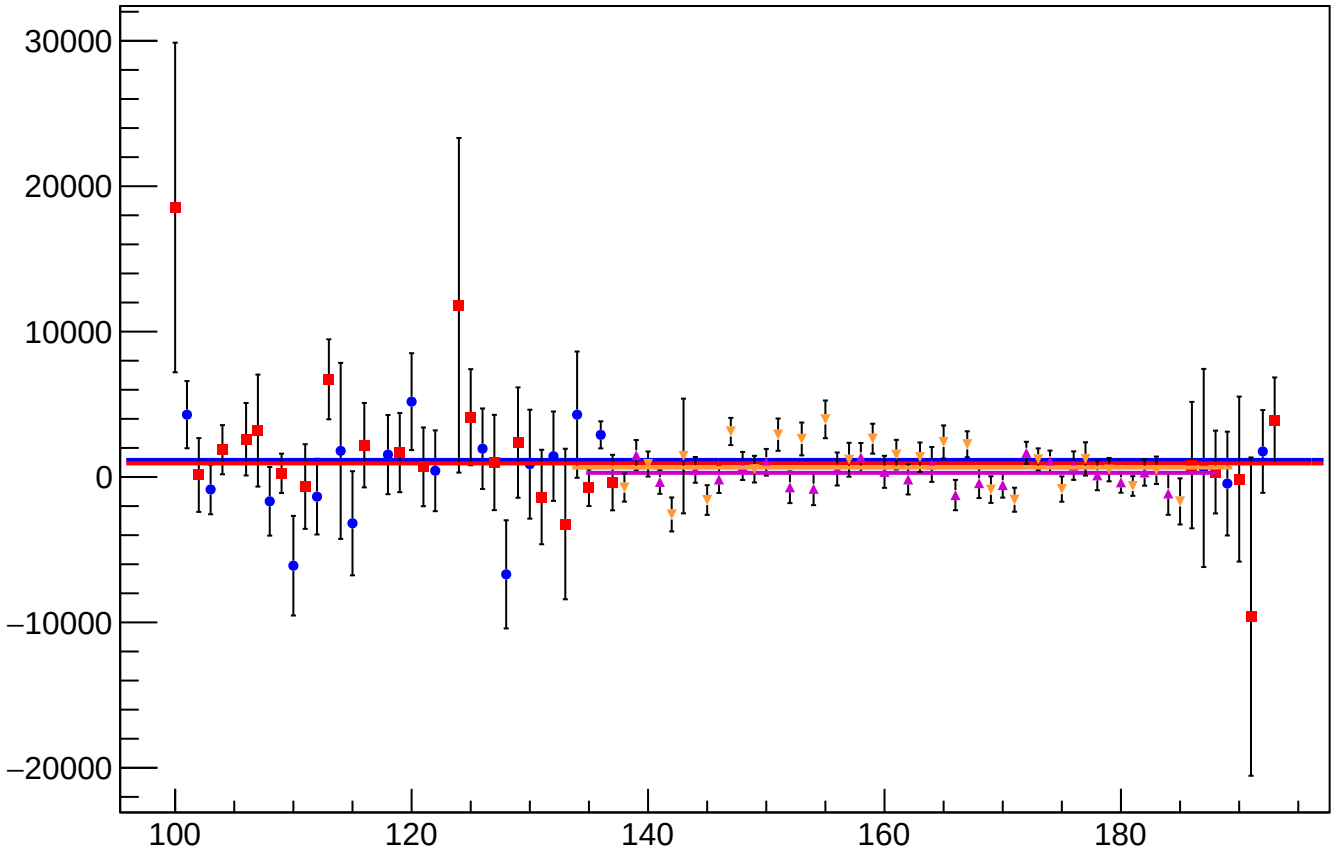
Right Out: 1650.372+/-0.378 χ^2/NDF: 633419.7/23

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1679.118+/-0.225 χ^2/NDF: 941122.3/43

All: 1675.822+/-0.159 χ^2/NDF: 1745619.8/90

- sign 1672.546+/-0.224 χ^2/NDF: 804070.2/46



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: 936.024+/-530.320 χ^2/NDF: 16.2/23

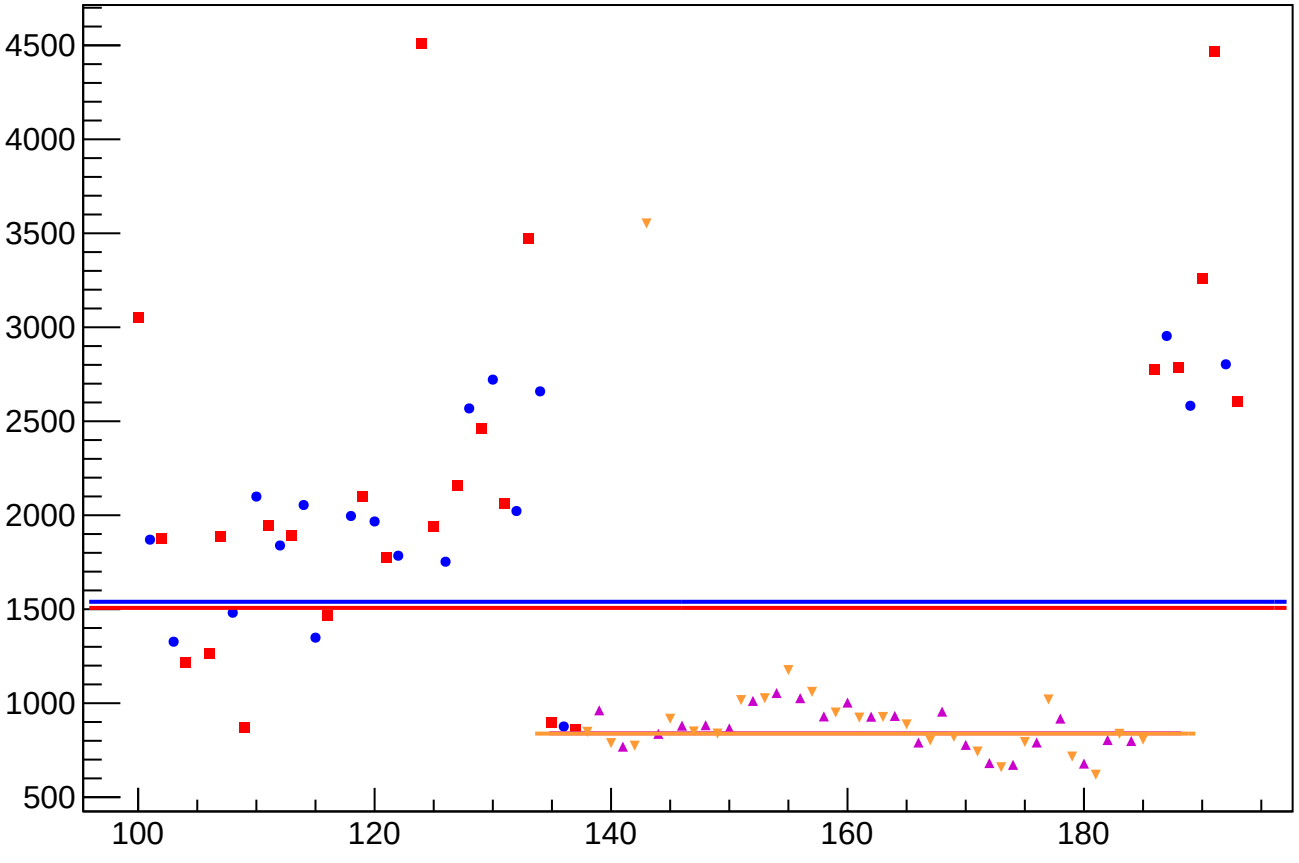
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 706.865+/-184.641 χ^2/NDF: 88.3/43

All: 538.661+/-131.004 χ^2/NDF: 124.0/90

- sign 368.157+/-185.899 χ^2/NDF: 34.1/46

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: 1507.011+/-0.375 χ^2/NDF: 3423598.1/23

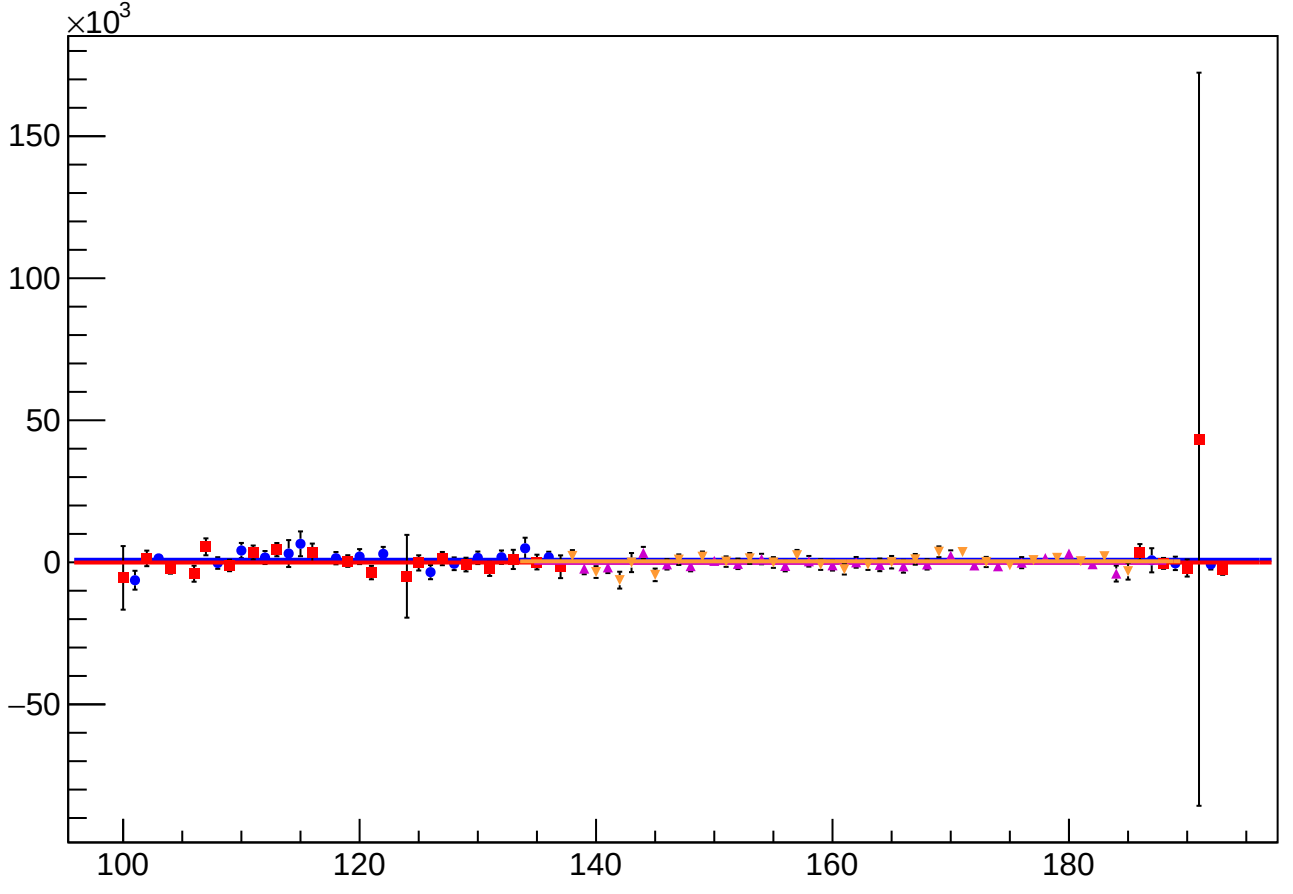
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 915.106+/-0.131 χ^2/NDF: 7107081.5/43

All: 918.501+/-0.093 χ^2/NDF: 13976662.0/90

- sign 921.943+/-0.131 χ^2/NDF: 6868218.6/46

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: -71.794+/-535.263 χ^2/NDF: 21.8/23

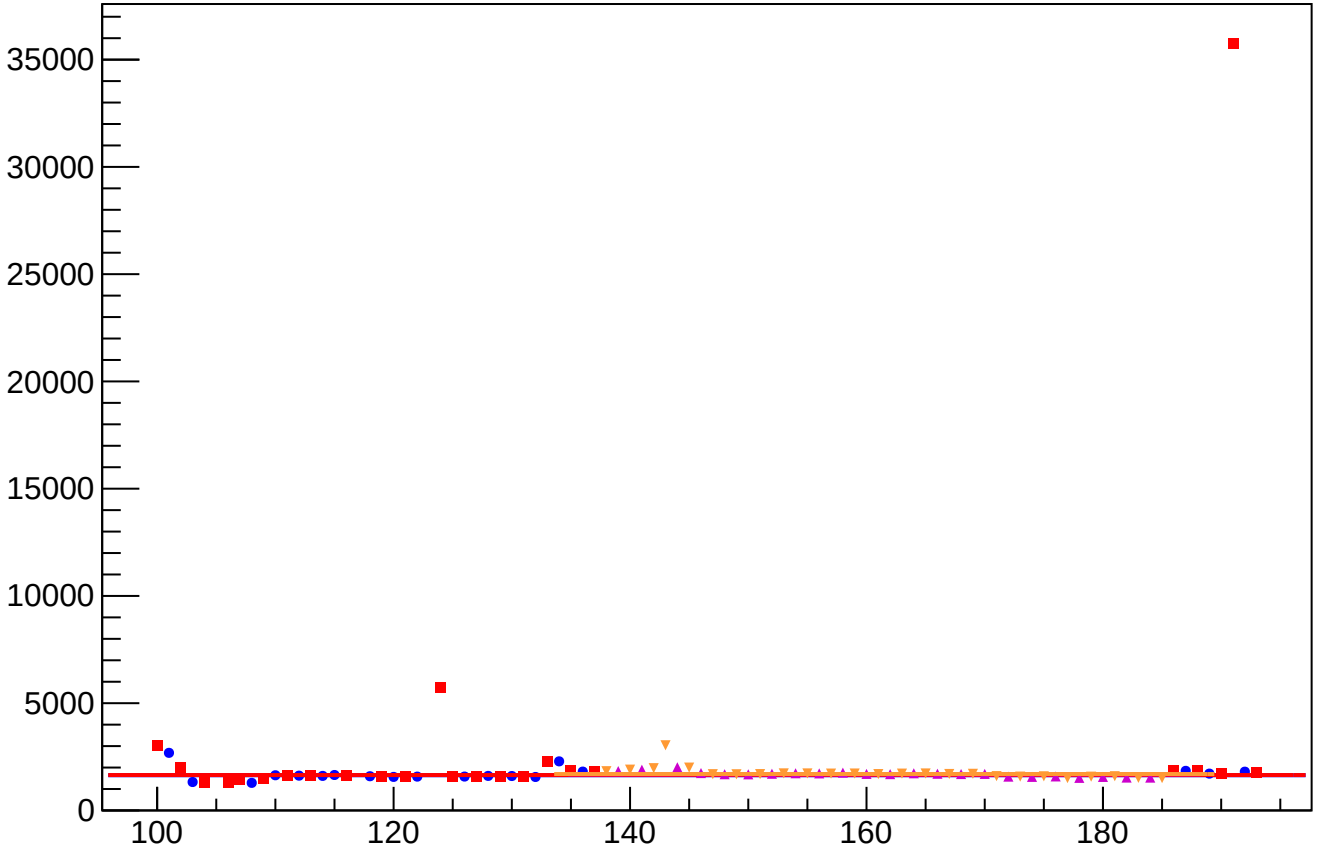
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 537.994+/-318.379 χ^2/NDF: 45.9/43

All: 204.521+/-224.796 χ^2/NDF: 85.9/90

- sign -126.989+/-317.441 χ^2/NDF: 37.8/46

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: 1650.372+/-0.378 χ^2/NDF: 633419.7/23

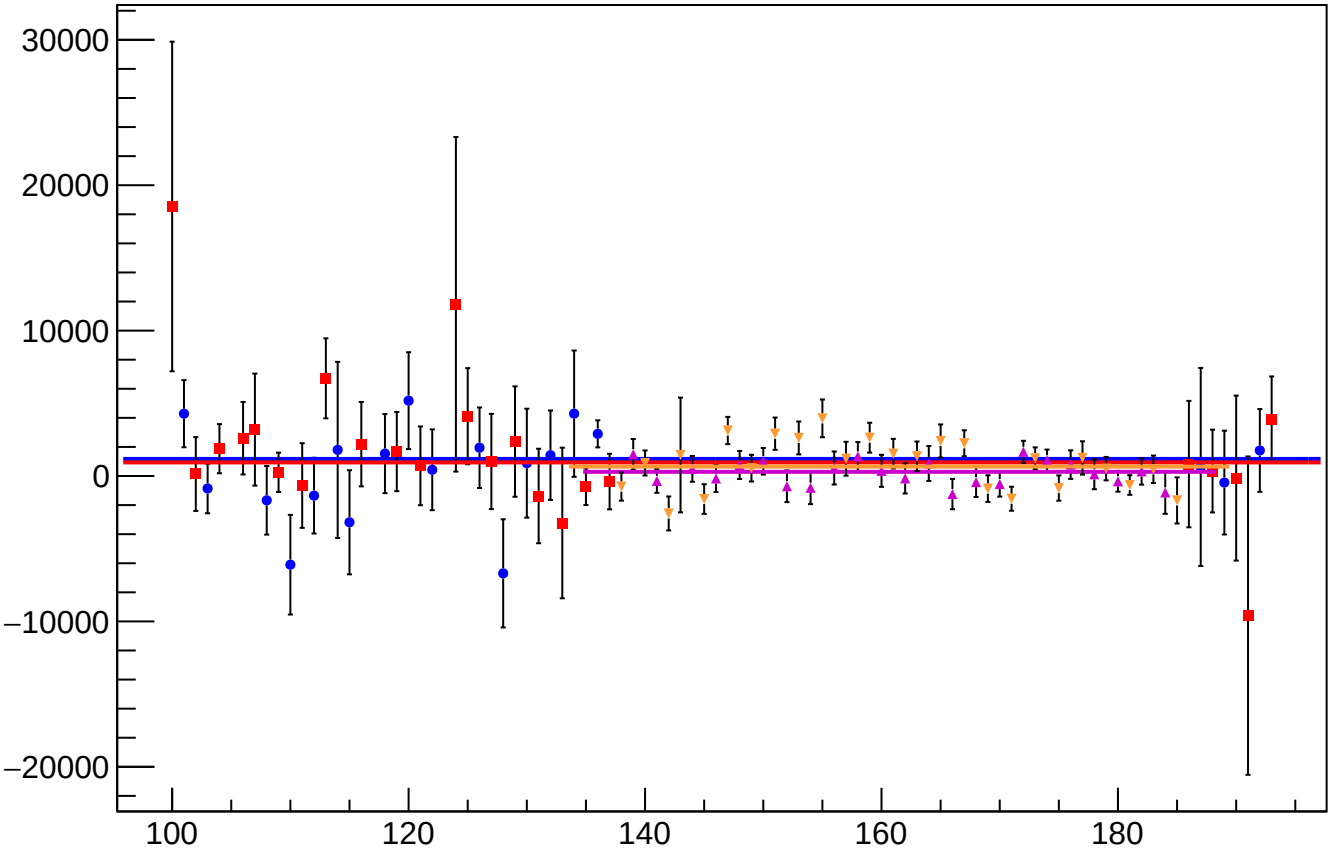
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1679.118+/-0.225 χ^2/NDF: 941122.3/43

All: 1675.822+/-0.159 χ^2/NDF: 1745619.8/90

- sign 1672.546+/-0.224 χ^2/NDF: 804070.2/46

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: 936.024+/-530.320 χ^2/NDF: 16.2/23

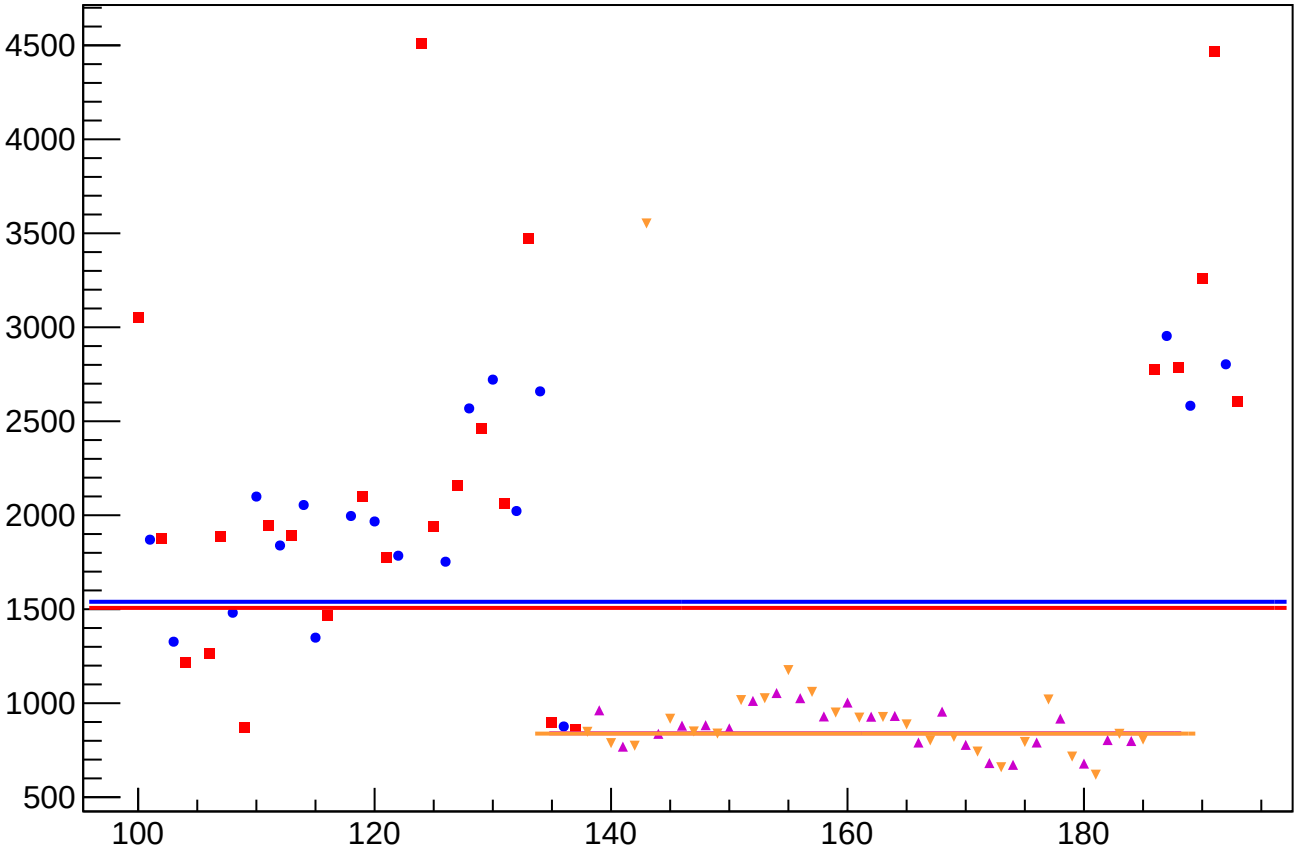
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 706.865+/-184.641 χ^2/NDF: 88.3/43

All: 538.661+/-131.004 χ^2/NDF: 124.0/90

- sign 368.157+/-185.899 χ^2/NDF: 34.1/46

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: 1507.011+/-0.375 χ^2/NDF: 3423598.1/23

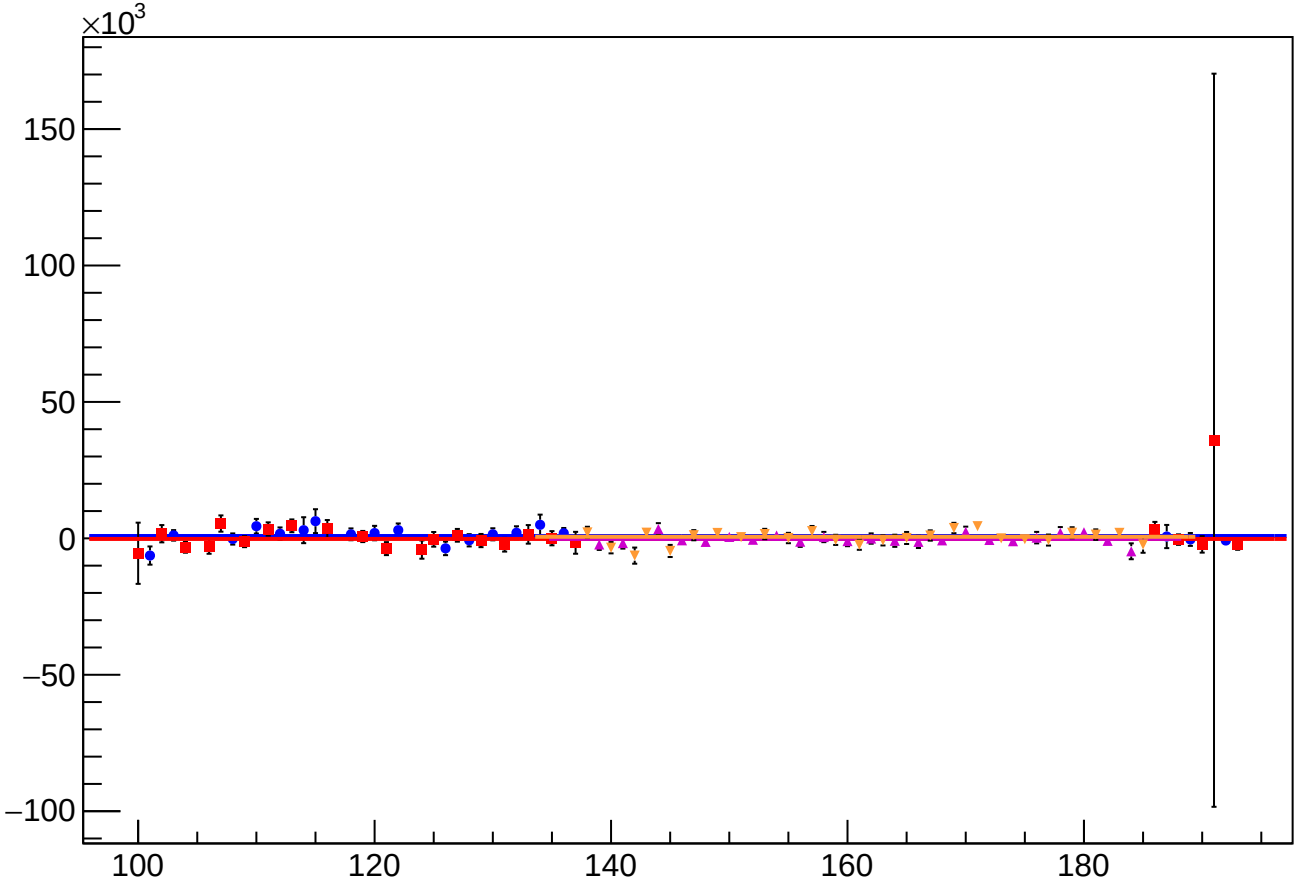
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 915.106+/-0.131 χ^2/NDF: 7107081.5/43

All: 918.501+/-0.093 χ^2/NDF: 13976662.0/90

- sign 921.943+/-0.131 χ^2/NDF: 6868218.6/46

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: -212.334+/-535.282 χ^2/NDF: 23.5/23

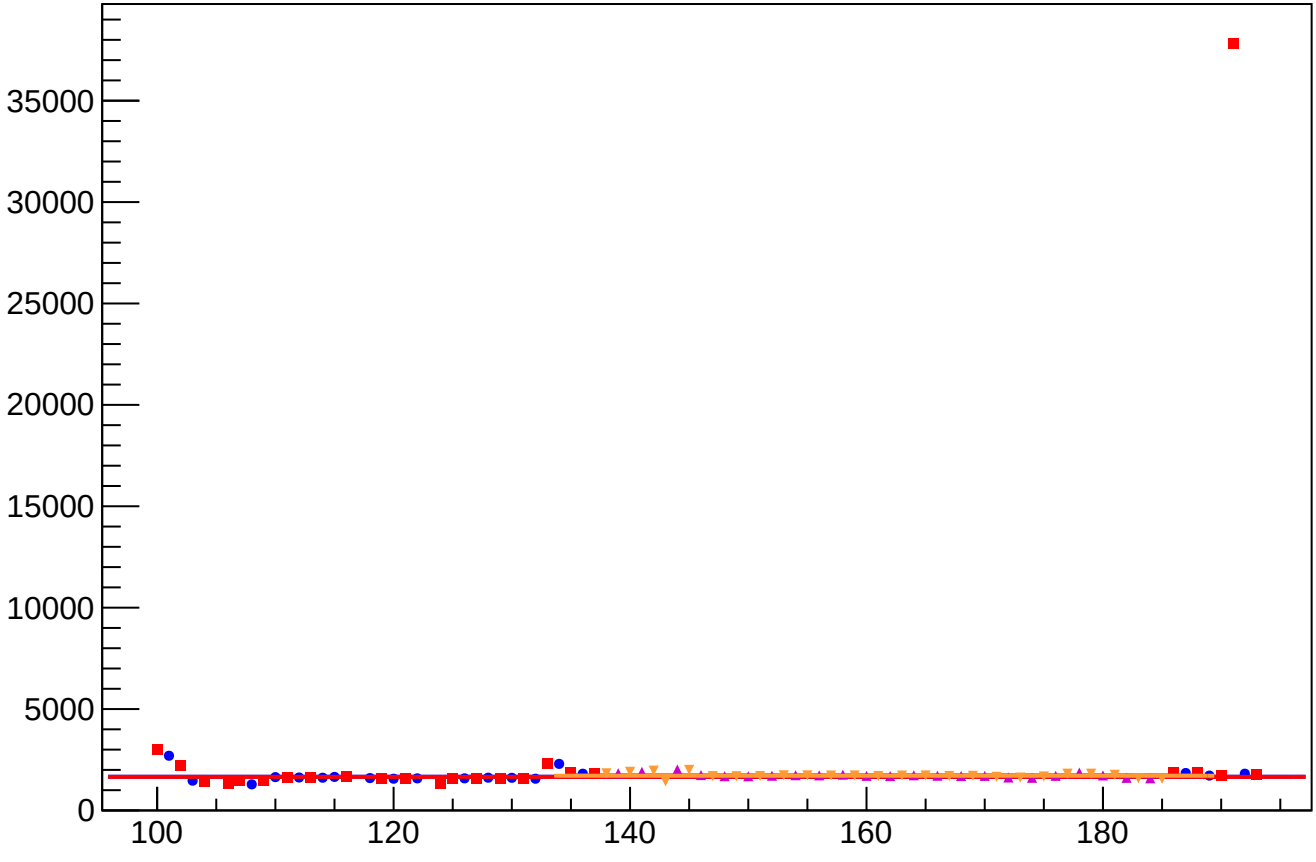
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 669.417+/-320.464 χ^2/NDF: 48.4/43

All: 239.736+/-227.323 χ^2/NDF: 89.9/90

- sign -195.455+/-322.512 χ^2/NDF: 38.0/46

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: 1656.123+/-0.379 χ^2/NDF: 492929.2/23

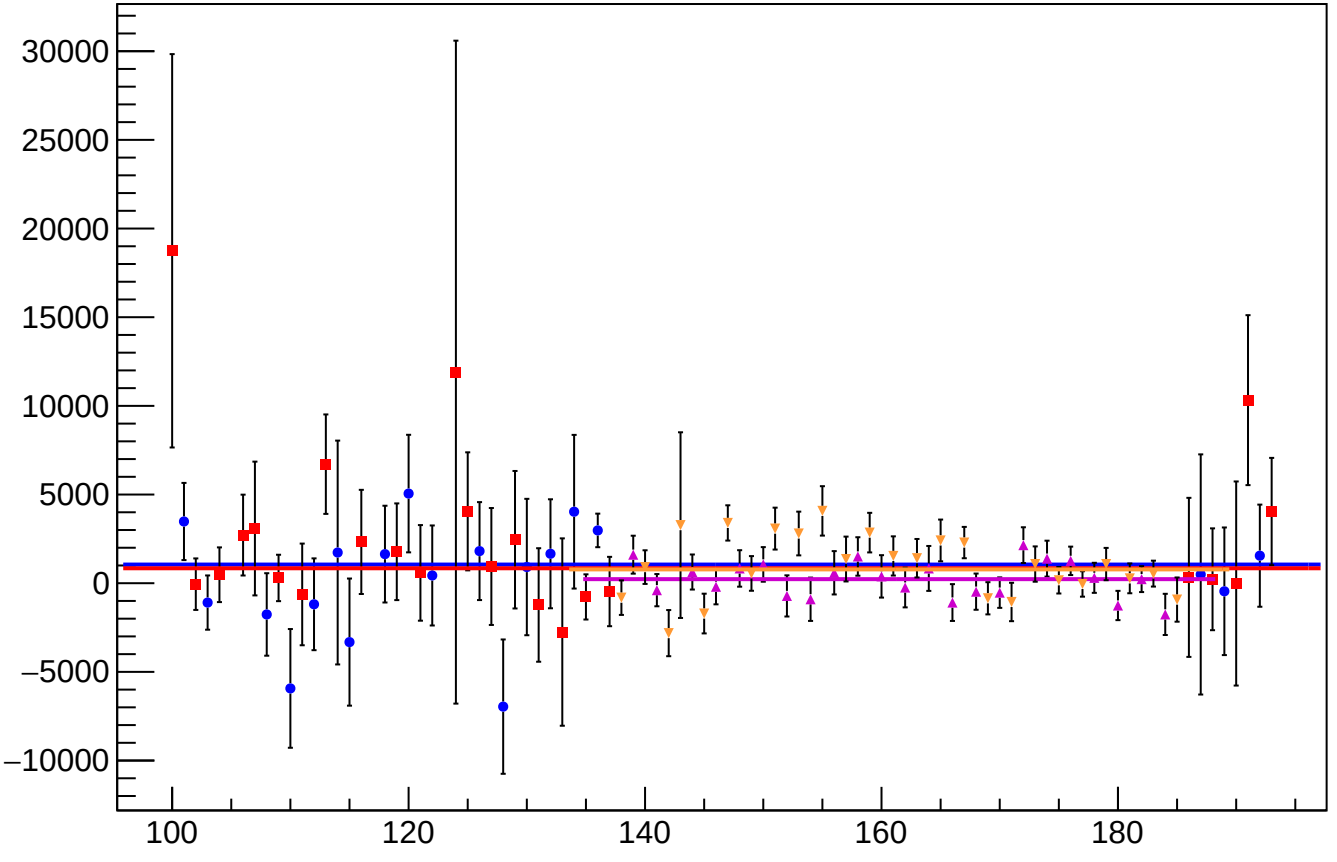
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1695.722+/-0.227 χ^2/NDF: 561472.0/43

All: 1698.767+/-0.161 χ^2/NDF: 1177906.2/90

- sign 1701.852+/-0.228 χ^2/NDF: 616070.6/46

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: 841.995+/-499.795 χ^2/NDF: 18.8/23

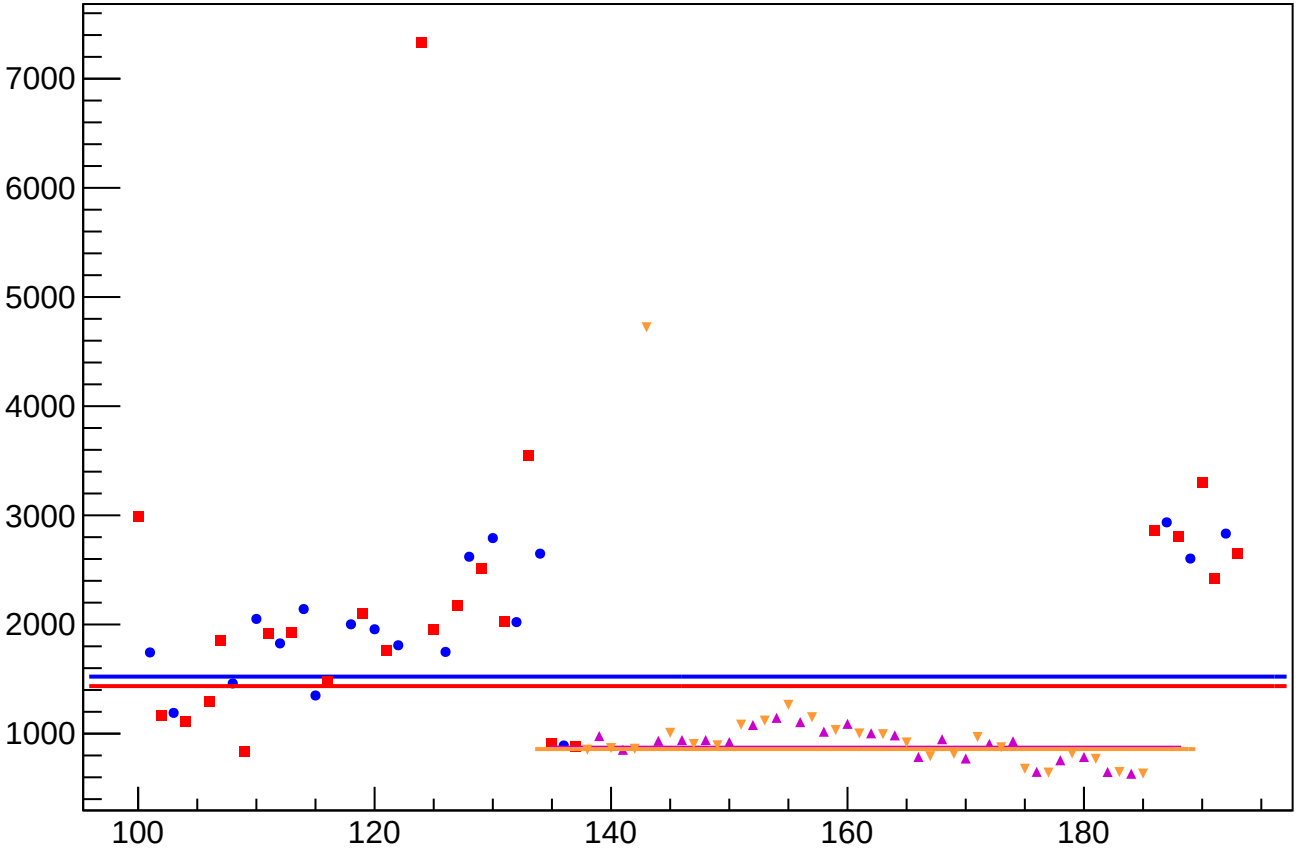
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

\+ sign 811.024+/-189.406 χ^2/NDF: 77.0/43

All: 566.808+/-134.494 χ^2/NDF: 123.0/90

\- sign 318.432+/-191.012 χ^2/NDF: 42.7/46

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: 1435.451+/-0.353 χ^2/NDF: 3580195.1/23

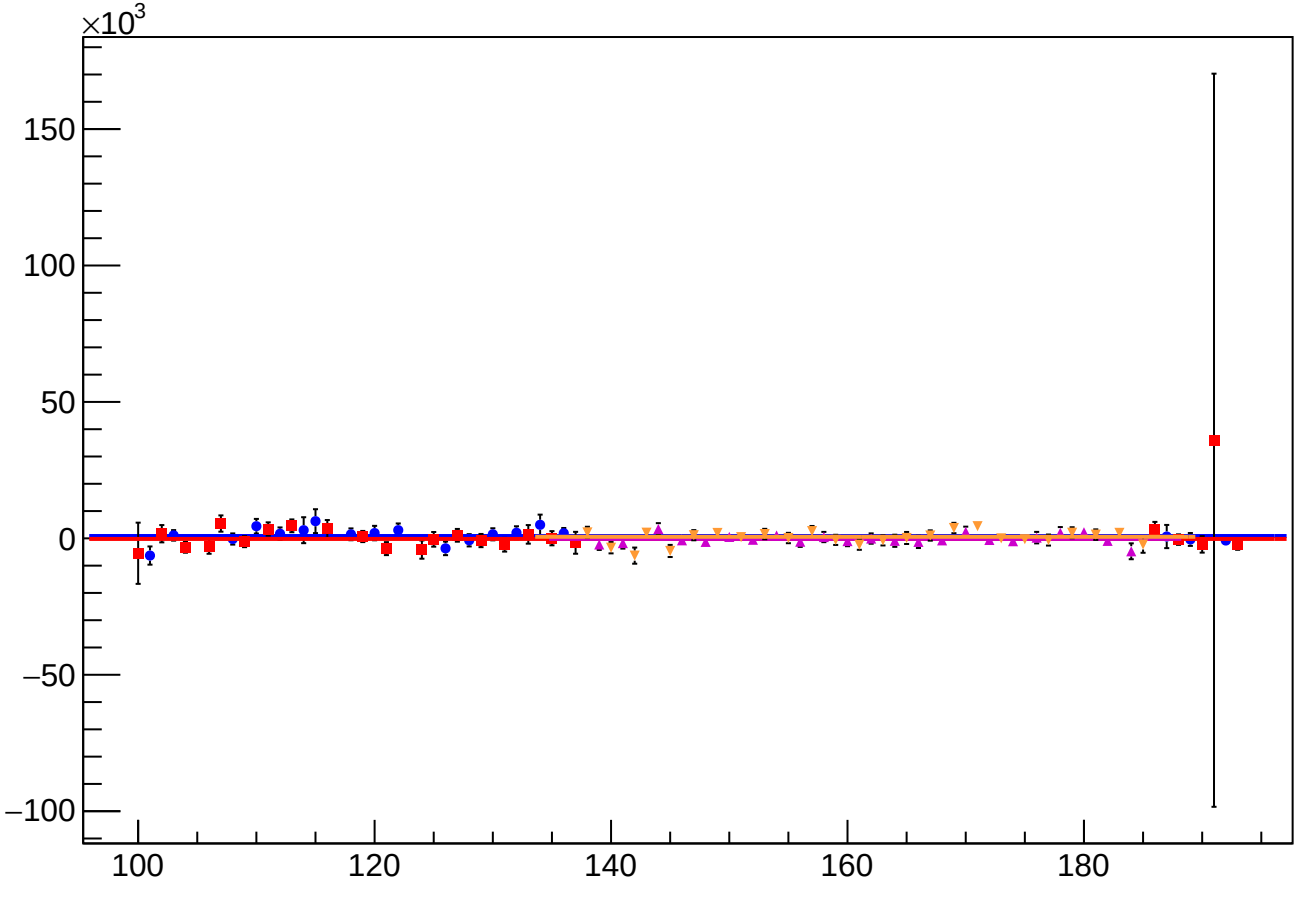
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 936.714+/-0.134 χ^2/NDF: 7324627.8/43

All: 945.232+/-0.095 χ^2/NDF: 14066612.5/90

- sign 953.895+/-0.135 χ^2/NDF: 6733826.8/46

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: -212.339+/-535.282 χ^2/NDF: 23.5/23

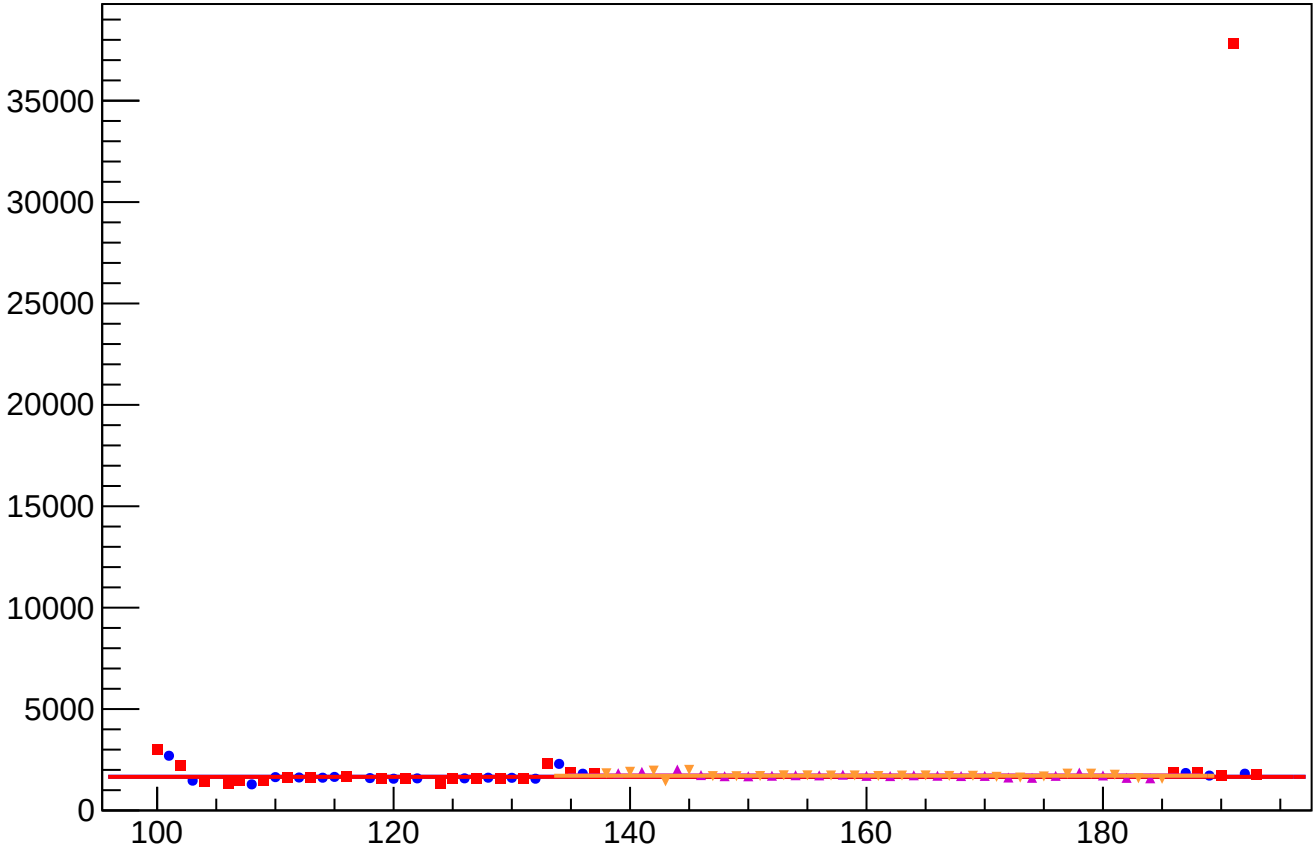
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 669.414+/-320.464 χ^2/NDF: 48.4/43

All: 239.733+/-227.323 χ^2/NDF: 89.9/90

- sign -195.457+/-322.512 χ^2/NDF: 38.0/46

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: 1656.123+/-0.379 χ^2/NDF: 492929.4/23

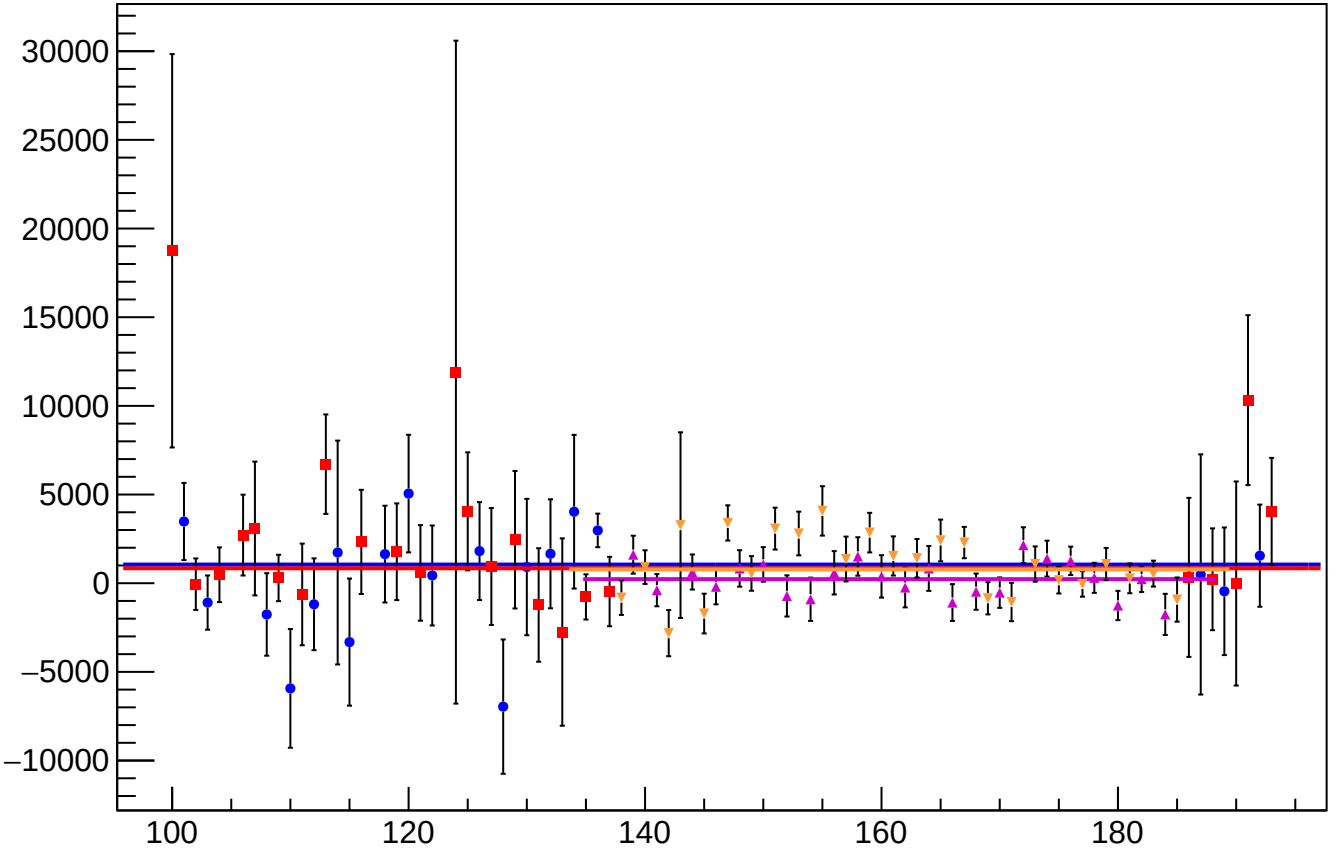
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1695.722+/-0.227 χ^2/NDF: 561470.6/43

All: 1698.767+/-0.161 χ^2/NDF: 1177904.7/90

- sign 1701.851+/-0.228 χ^2/NDF: 616070.6/46

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

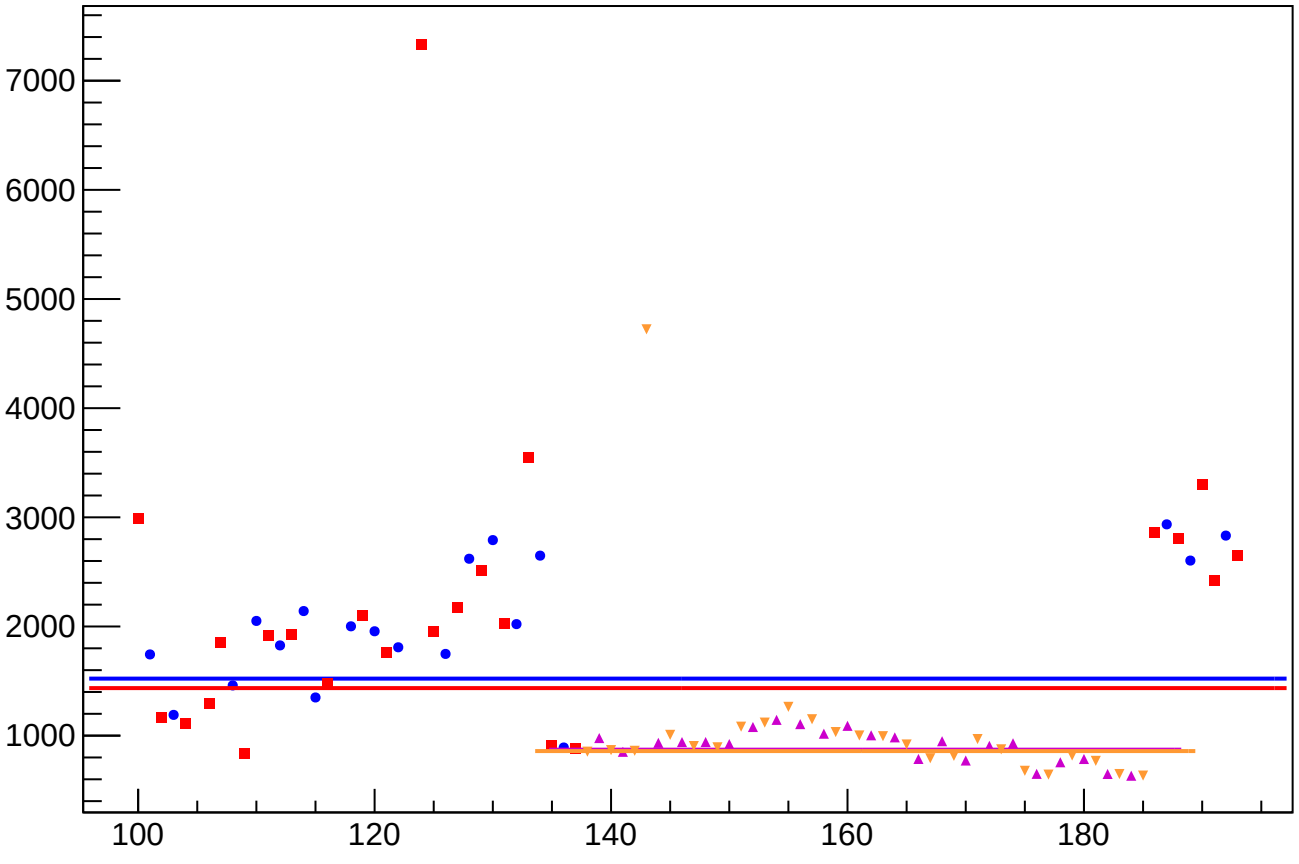
Right Out: 842.010+/-499.798 χ^2/NDF: 18.8/23

Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 811.025+/-189.406 χ^2/NDF: 77.0/43

All: 566.808+/-134.494 χ^2/NDF: 123.0/90

- sign 318.431+/-191.012 χ^2/NDF: 42.7/46



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: 1435.465+/-0.353 χ^2/NDF: 3580093.5/23

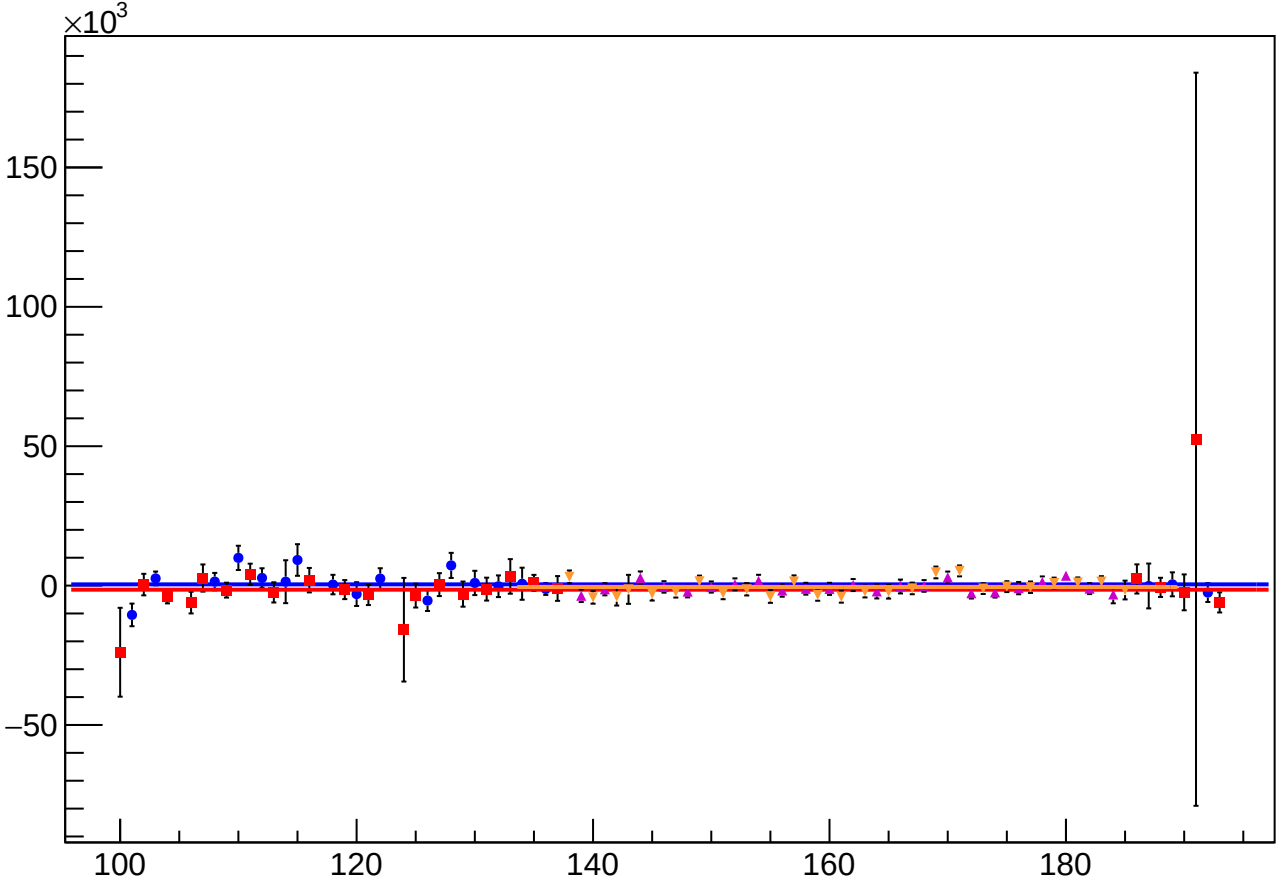
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 936.716+/-0.134 χ^2/NDF: 7324592.6/43

All: 945.233+/-0.095 χ^2/NDF: 14066569.3/90

- sign 953.895+/-0.135 χ^2/NDF: 6733819.7/46

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: -1467.885+/-821.252 χ^2/NDF: 13.2/23

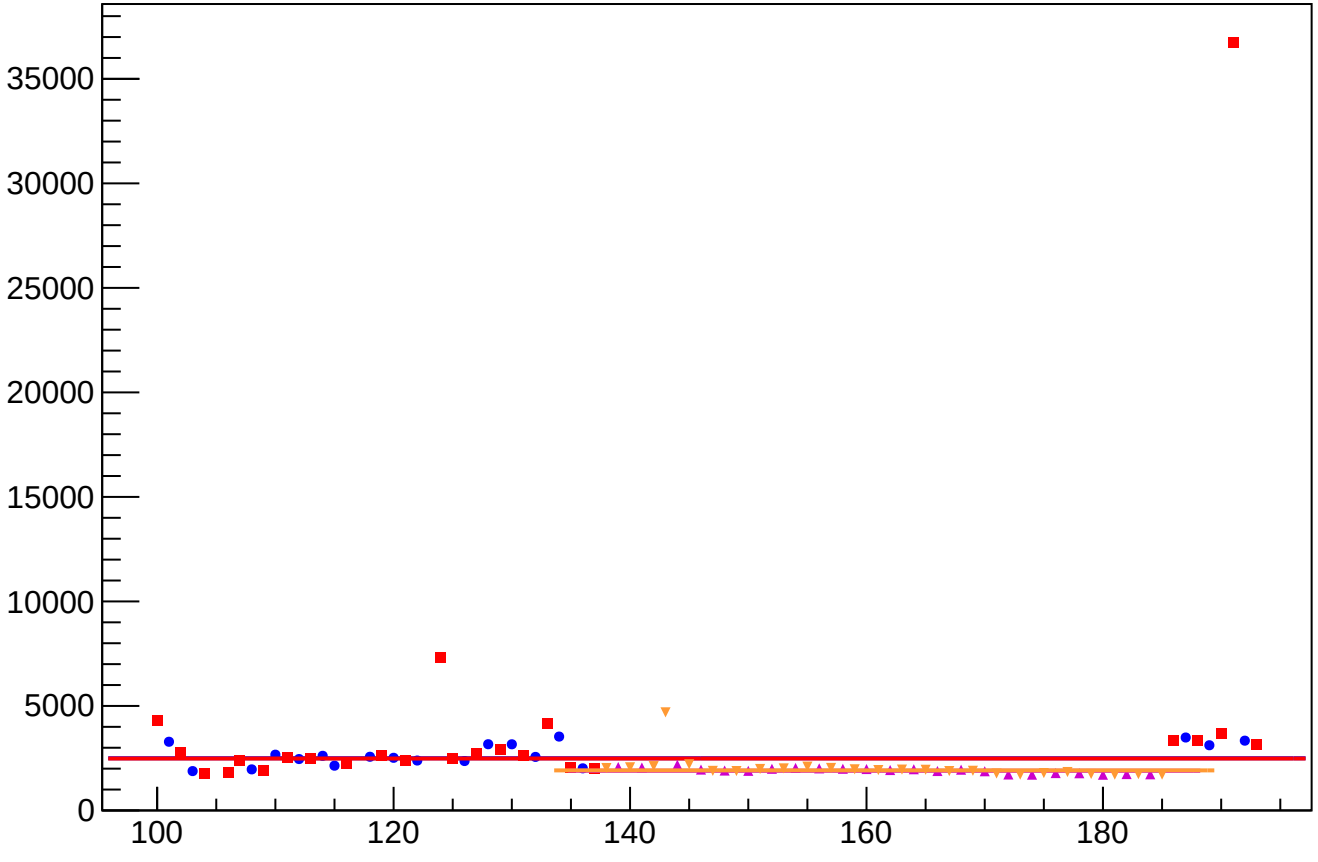
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -304.418+/-391.253 χ^2/NDF: 59.7/43

All: -477.724+/-276.555 χ^2/NDF: 93.4/90

- sign -650.773+/-390.964 χ^2/NDF: 33.4/46

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

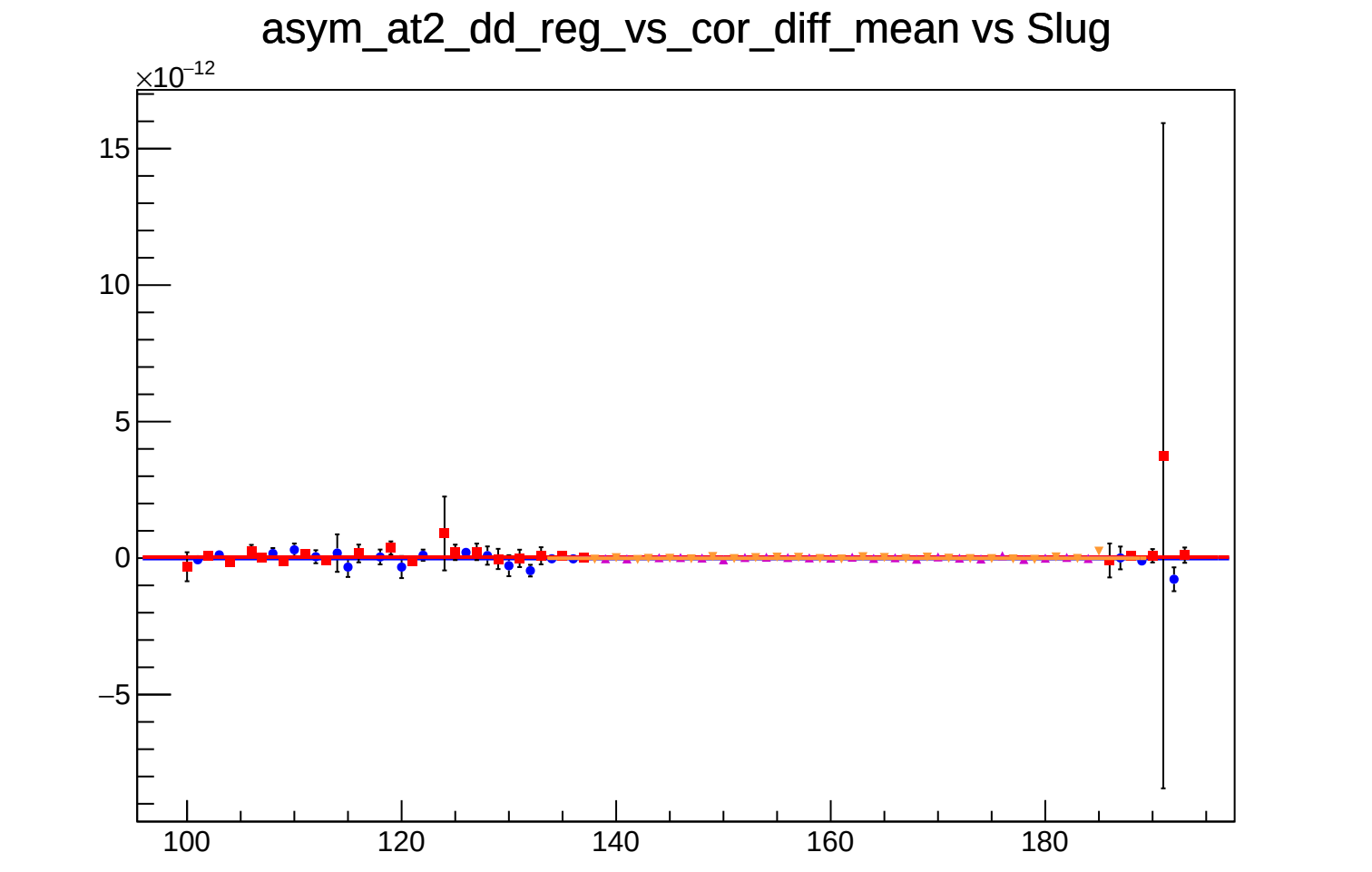
Right Out: 2484.823+/-0.581 χ^2/NDF: 1210417.3/23

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2038.432+/-0.277 χ^2/NDF: 2211865.7/43

All: 2035.192+/-0.196 χ^2/NDF: 4382324.0/90

- sign 2031.957+/-0.276 χ^2/NDF: 2170184.3/46



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: 15.7/23

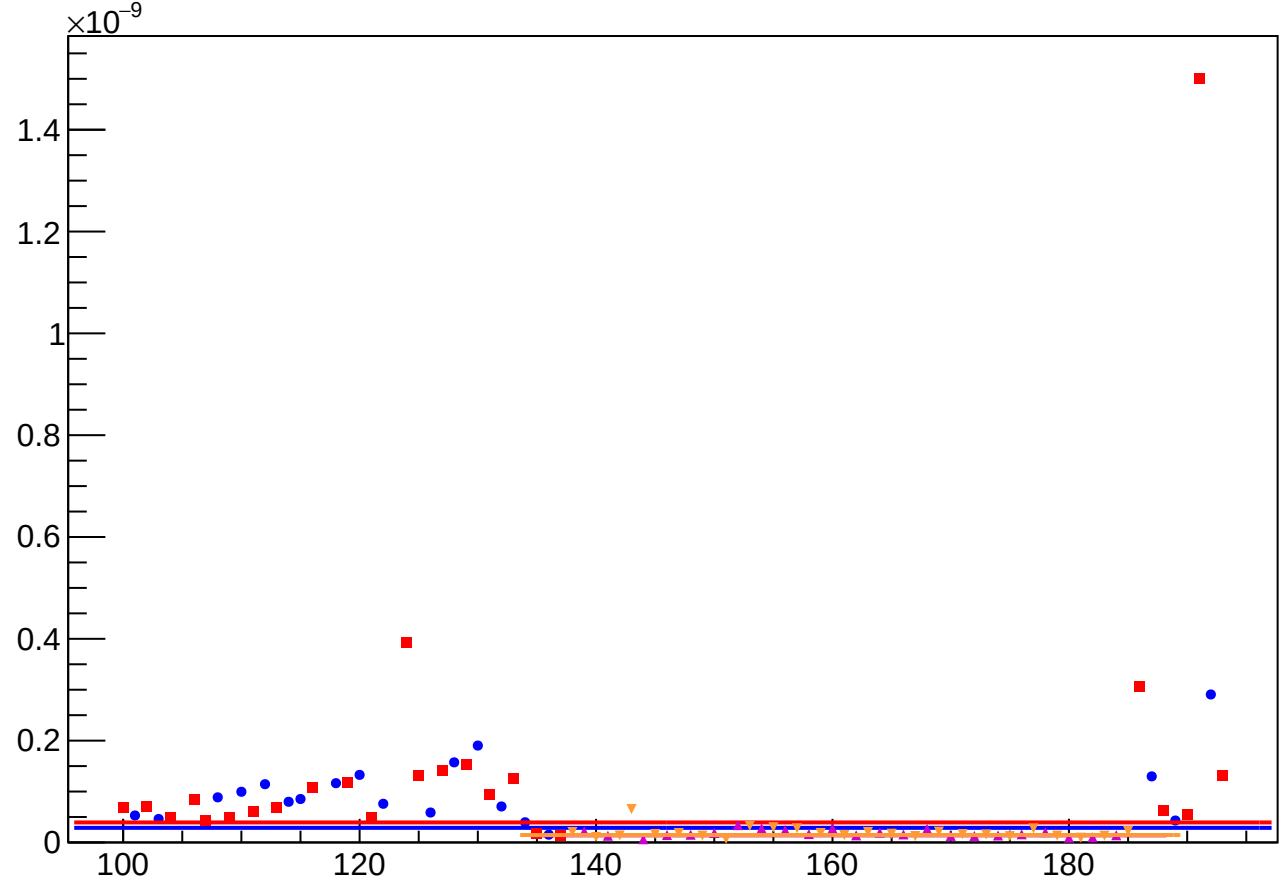
Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.0/43

All: 0.000+/-0.000 χ^2/NDF: 92.5/90

- sign 0.000+/-0.000 χ^2/NDF: 41.9/46

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: 3153607.8/23

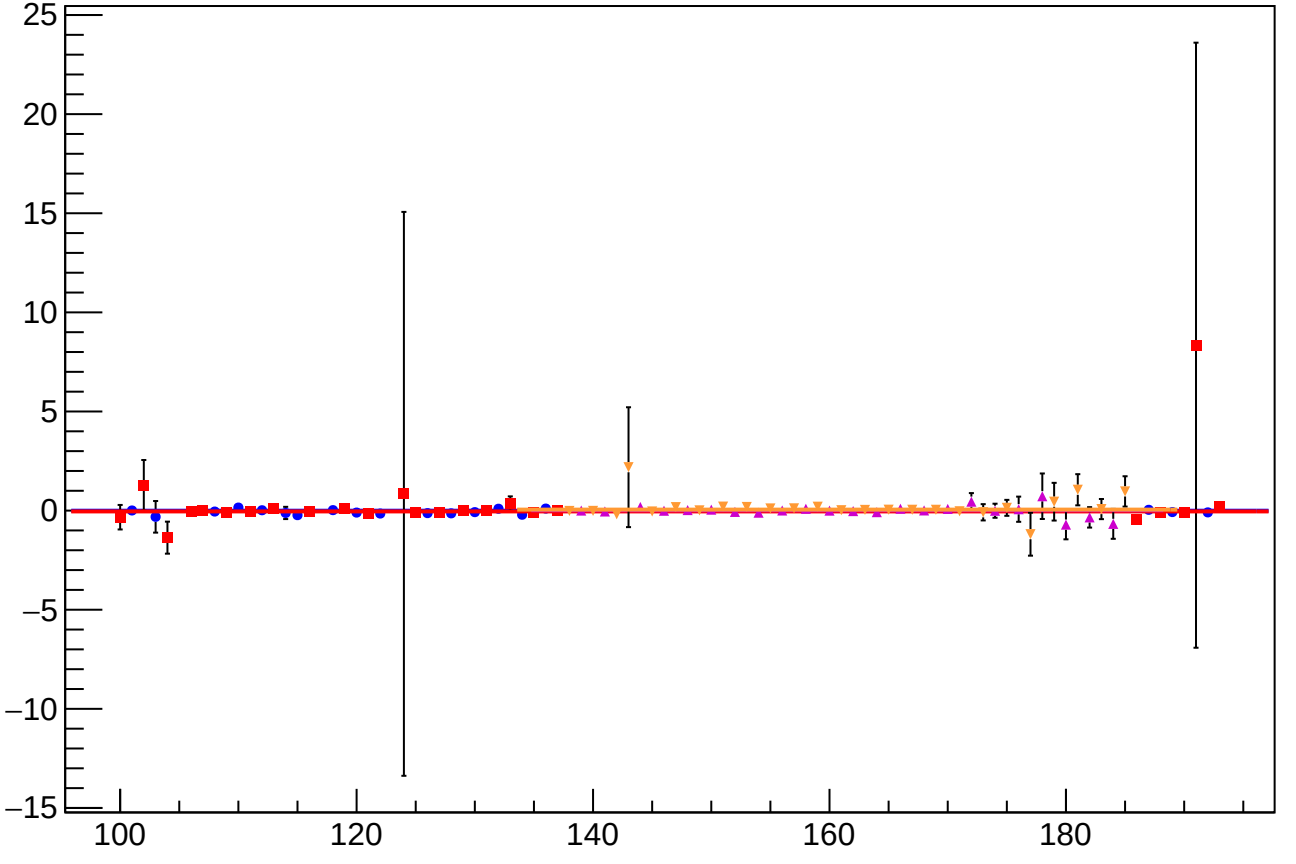
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6242531.4/43

All: 0.000+/-0.000 χ^2/NDF: 13031378.5/90

- sign 0.000+/-0.000 χ^2/NDF: 6782922.8/46

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: -0.041+/-0.022 χ^2/NDF: 22.2/23

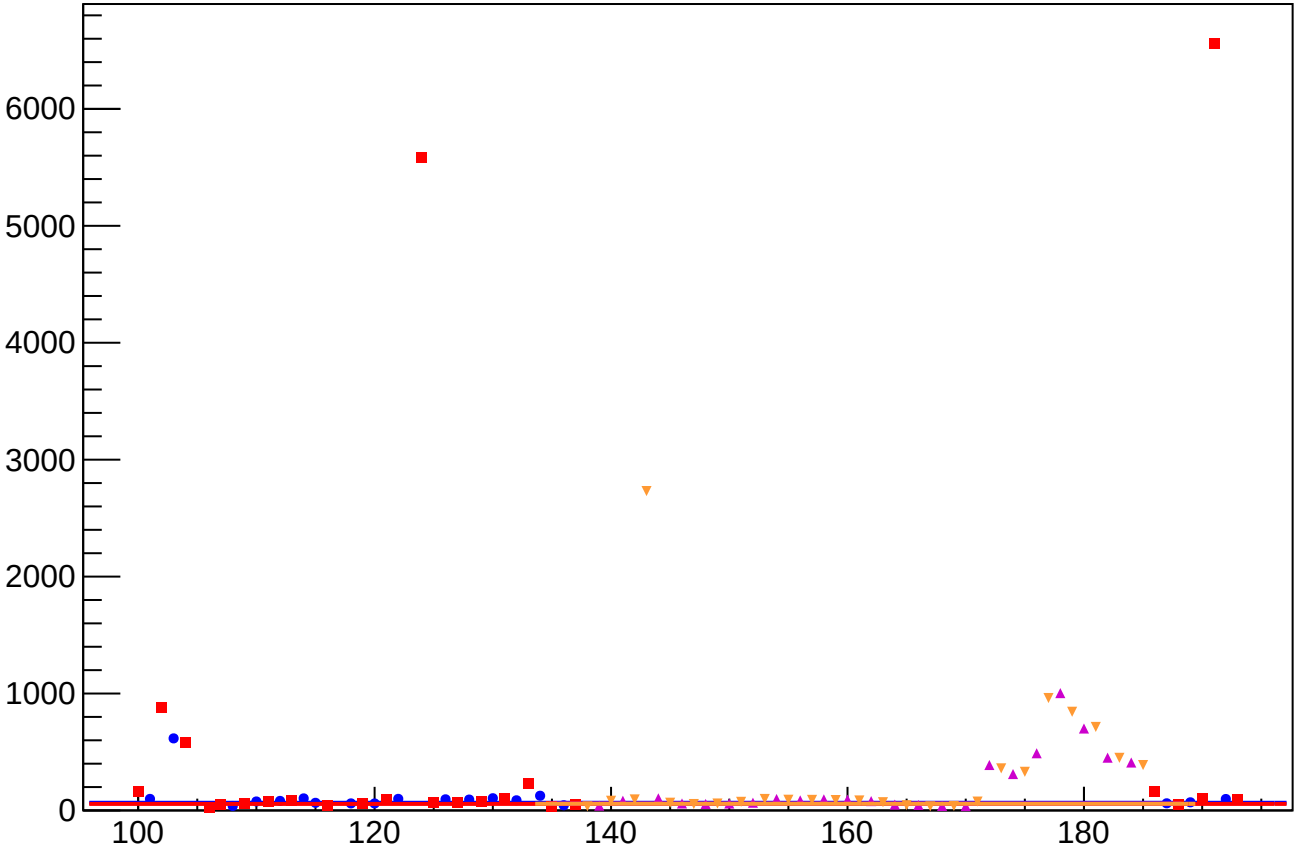
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.4/43

All: 0.014+/-0.010 χ^2/NDF: 88.0/90

- sign -0.004+/-0.014 χ^2/NDF: 42.2/46

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: 55.926+/-0.016 χ^2/NDF: 5023973.6/23

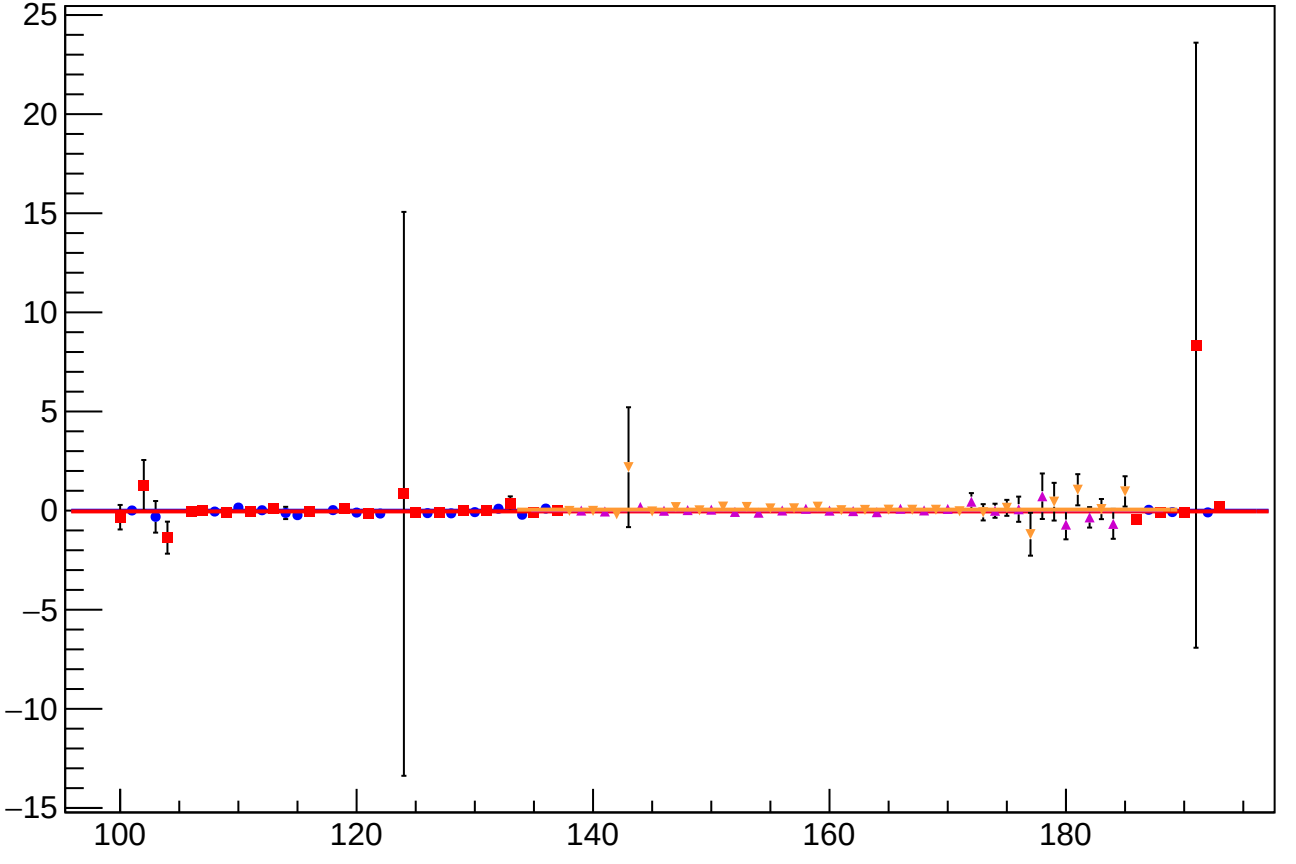
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 59.914+/-0.010 χ^2/NDF: 15122761.1/43

All: 58.696+/-0.007 χ^2/NDF: 30441173.1/90

- sign 57.577+/-0.010 χ^2/NDF: 15289774.0/46

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: -0.041+/-0.022 χ^2/NDF: 22.2/23

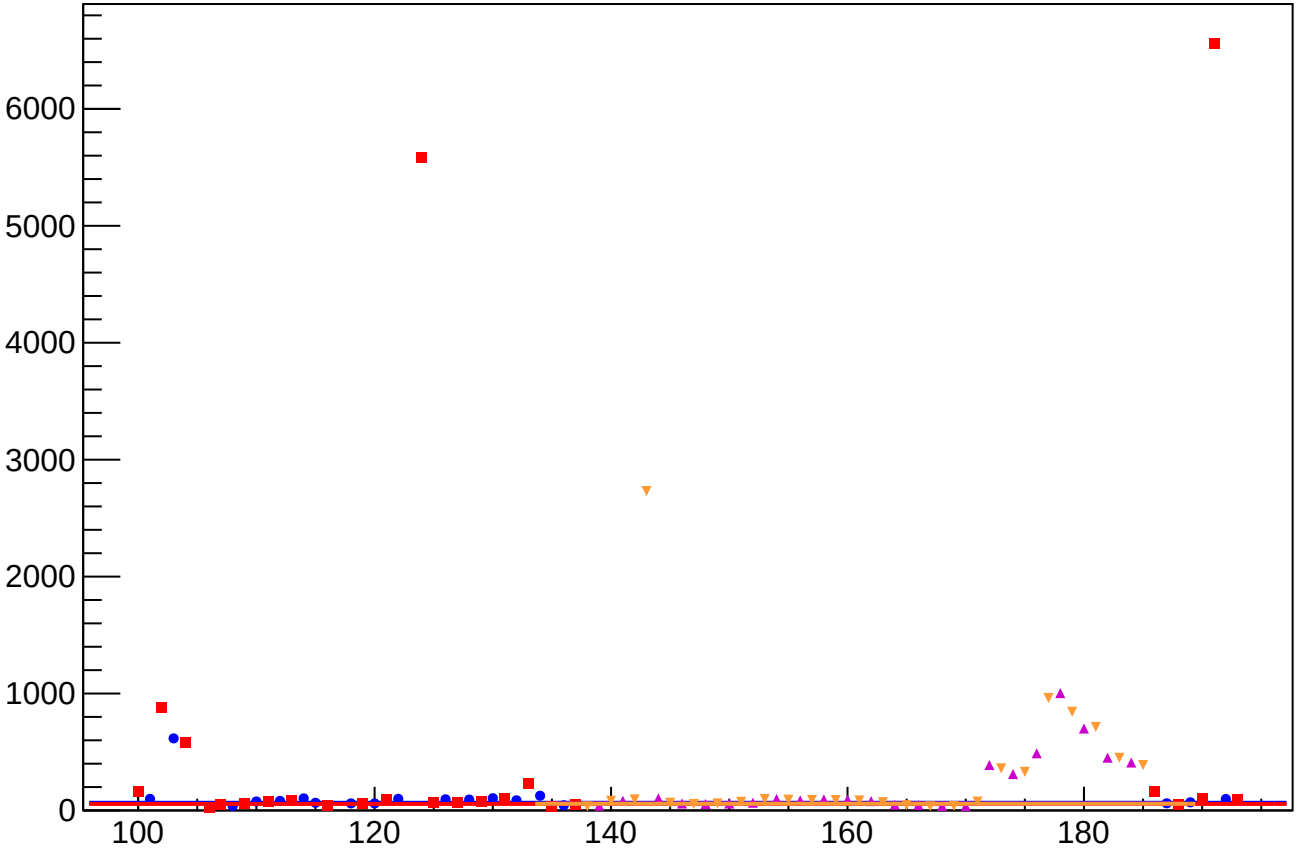
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.4/43

All: 0.014+/-0.010 χ^2/NDF: 88.0/90

- sign -0.004+/-0.014 χ^2/NDF: 42.2/46

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

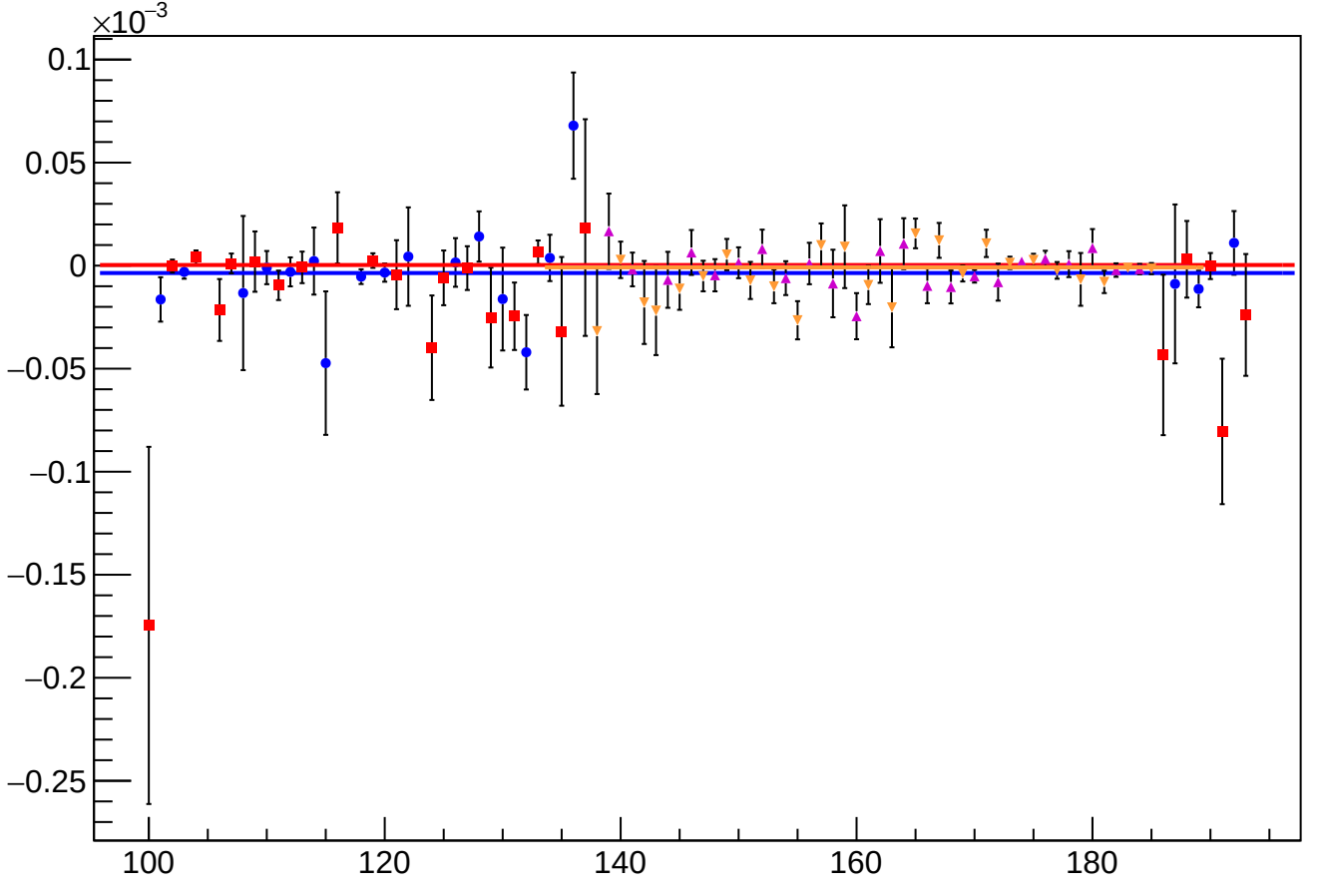
Right Out: 55.926+/-0.016 χ^2/NDF: 5023973.6/23

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 59.914+/-0.010 χ^2/NDF: 15122761.1/43

All: 58.696+/-0.007 χ^2/NDF: 30441173.1/90

- sign 57.577+/-0.010 χ^2/NDF: 15289774.0/46



Right In: -0.000+/-0.000 χ^2/NDF: 20.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

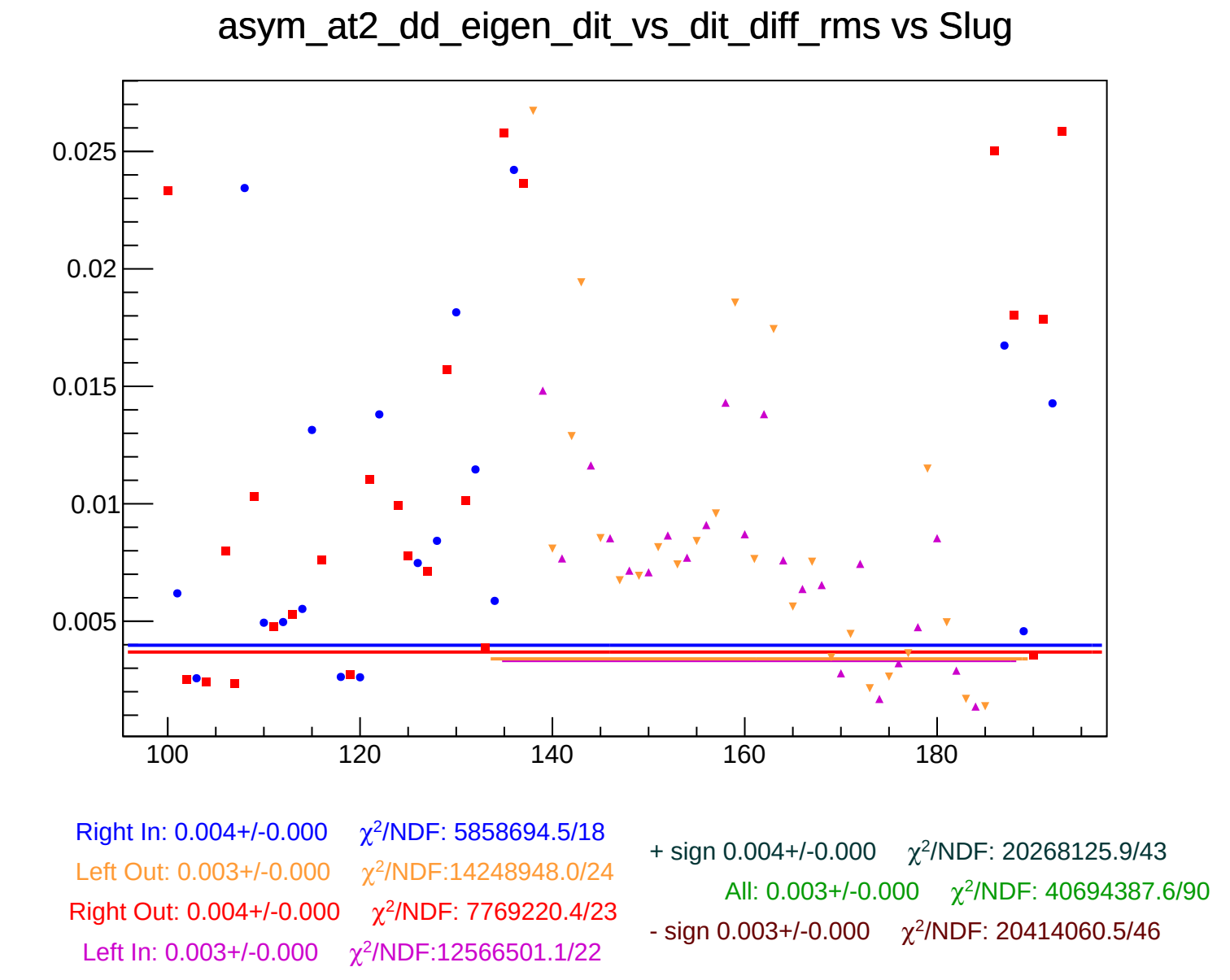
Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/23

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

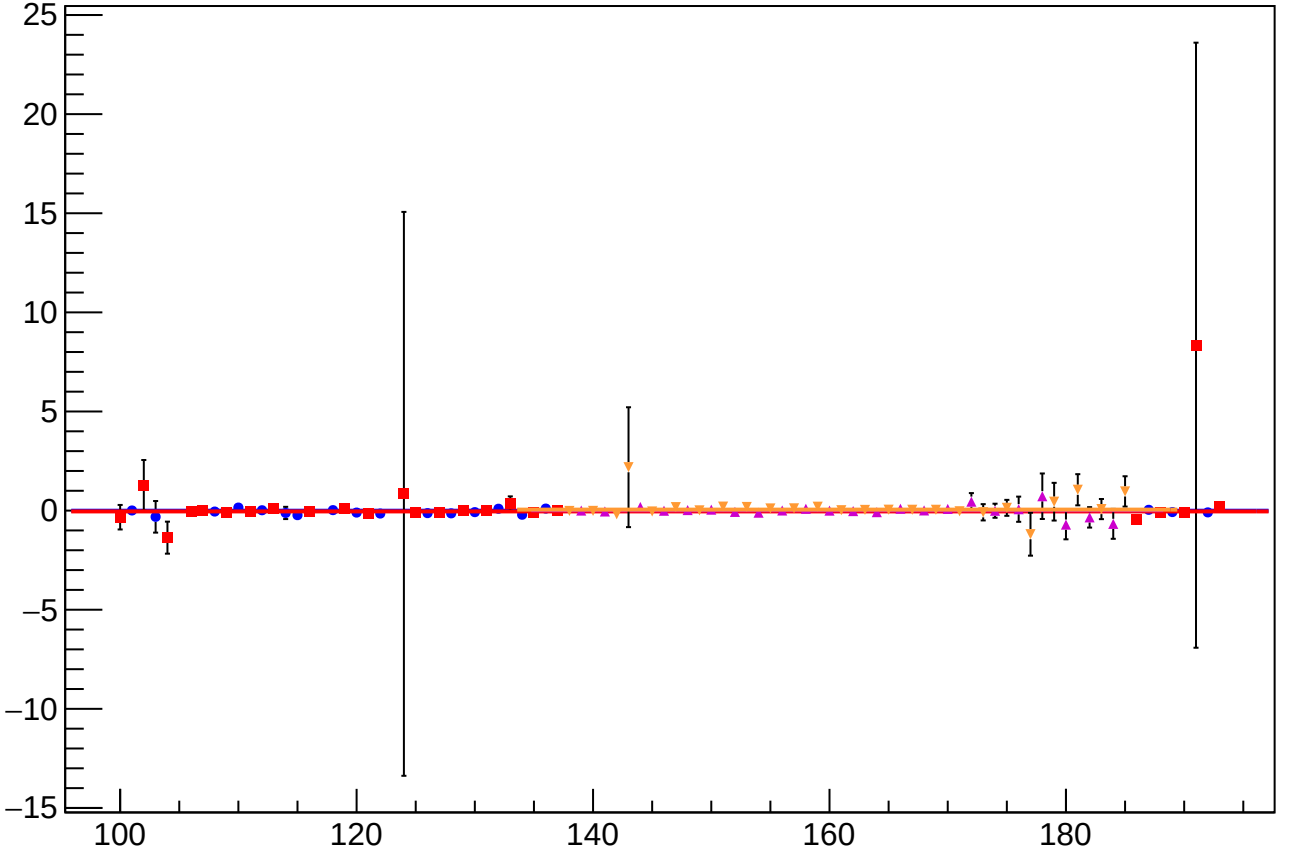
+ sign -0.000+/-0.000 χ^2/NDF: 55.2/43

All: -0.000+/-0.000 χ^2/NDF: 101.5/90

- sign -0.000+/-0.000 χ^2/NDF: 45.5/46


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: 7769220.4/23
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: 40694387.6/90
- sign 0.003+/-0.000 χ²/NDF: 20414060.5/46

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: -0.041+/-0.022 χ^2/NDF: 22.2/23

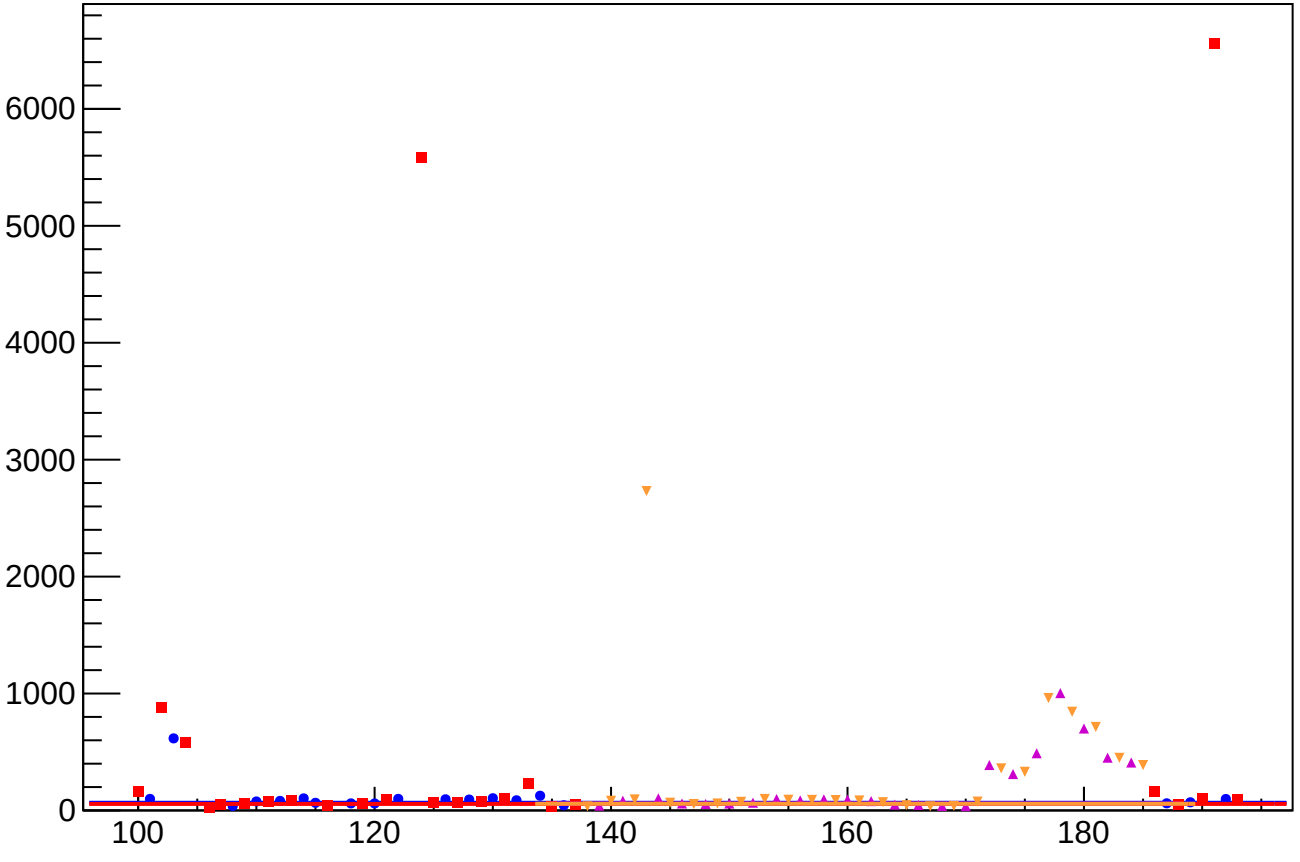
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.4/43

All: 0.014+/-0.010 χ^2/NDF: 88.0/90

- sign -0.004+/-0.014 χ^2/NDF: 42.2/46

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

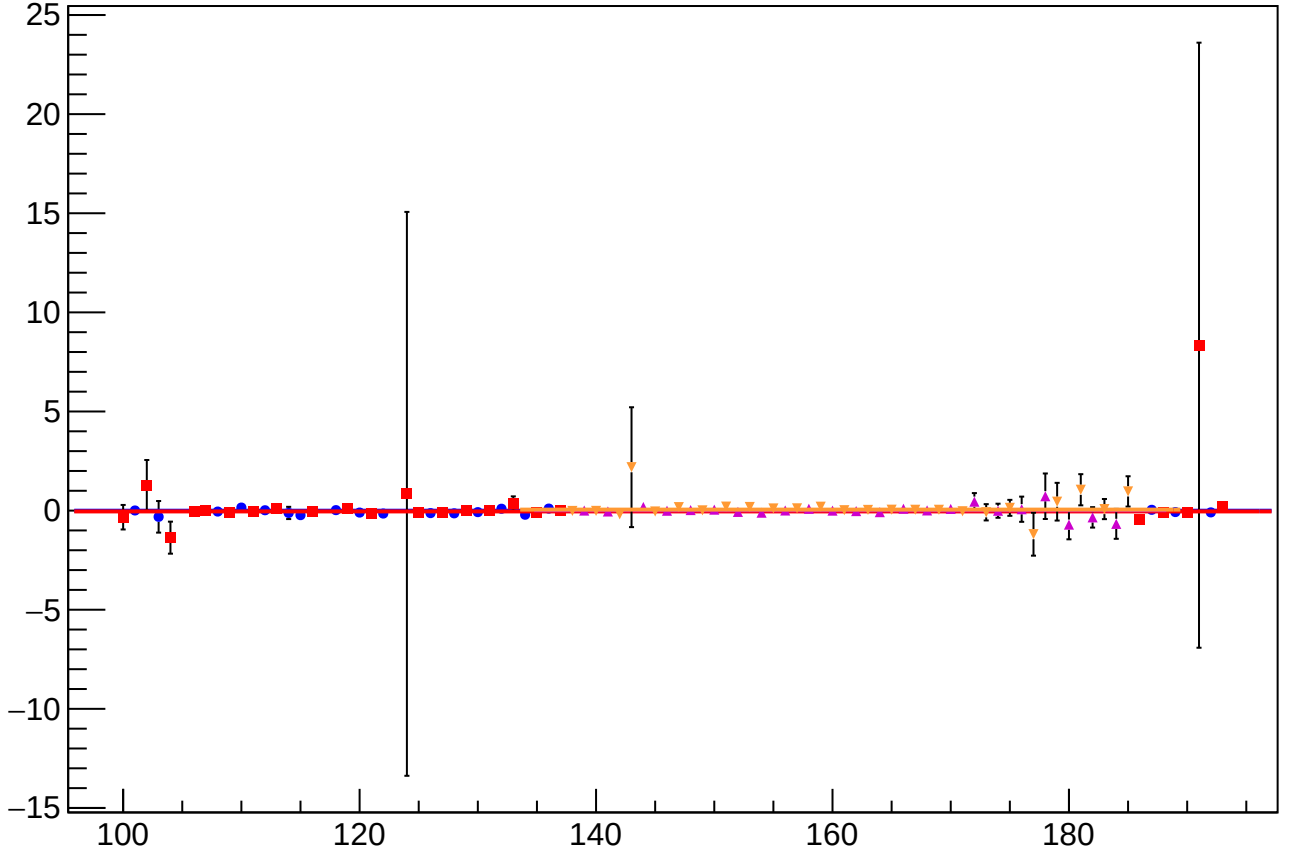
Right Out: 55.921+/-0.016 χ^2/NDF: 5024582.8/23

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 59.915+/-0.010 χ^2/NDF: 15121719.0/43

All: 58.697+/-0.007 χ^2/NDF: 30440380.2/90

- sign 57.577+/-0.010 χ^2/NDF: 15289979.2/46



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: -0.041+/-0.022 χ^2/NDF: 22.2/23

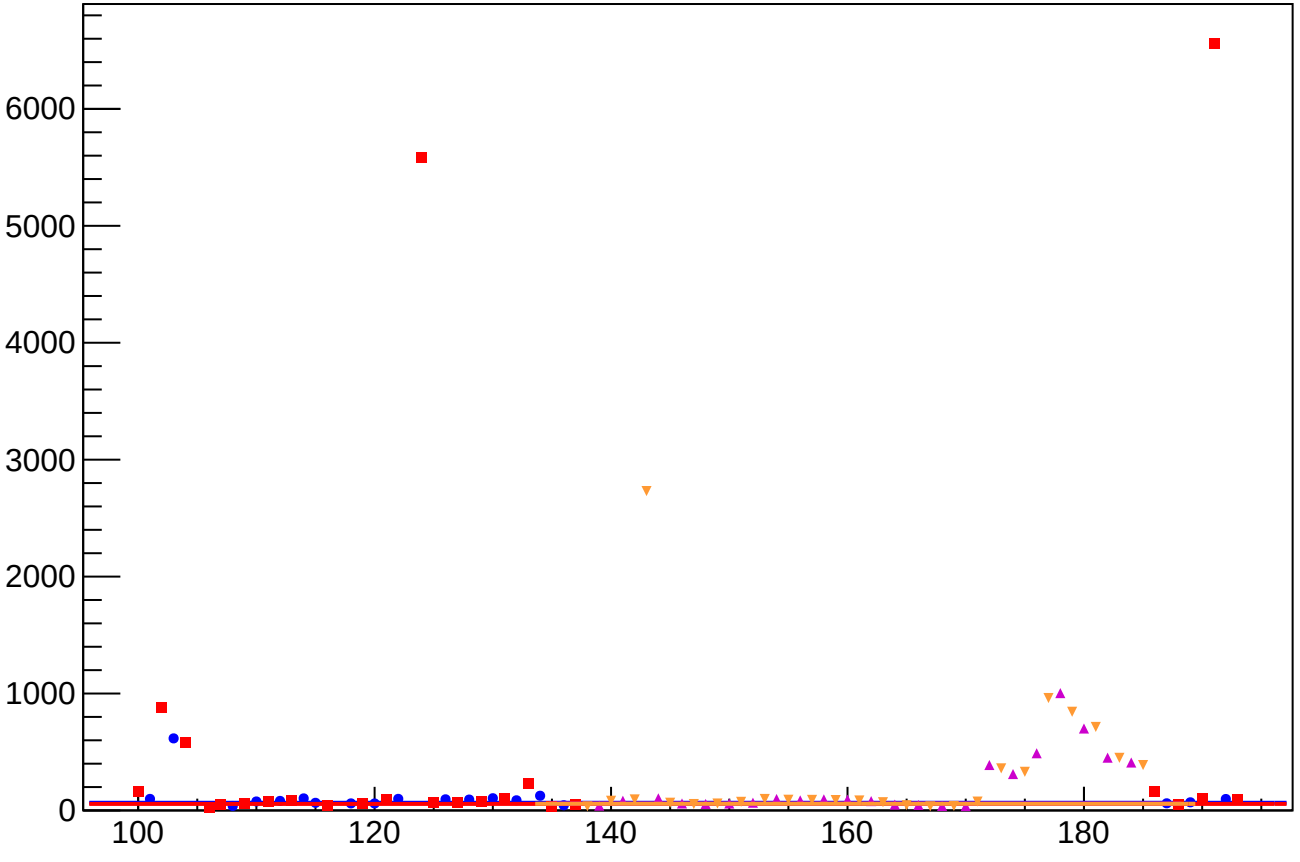
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.4/43

All: 0.014+/-0.010 χ^2/NDF: 88.0/90

- sign -0.004+/-0.014 χ^2/NDF: 42.2/46

asym_at2_dd_eigen_dit_vs_eigen_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

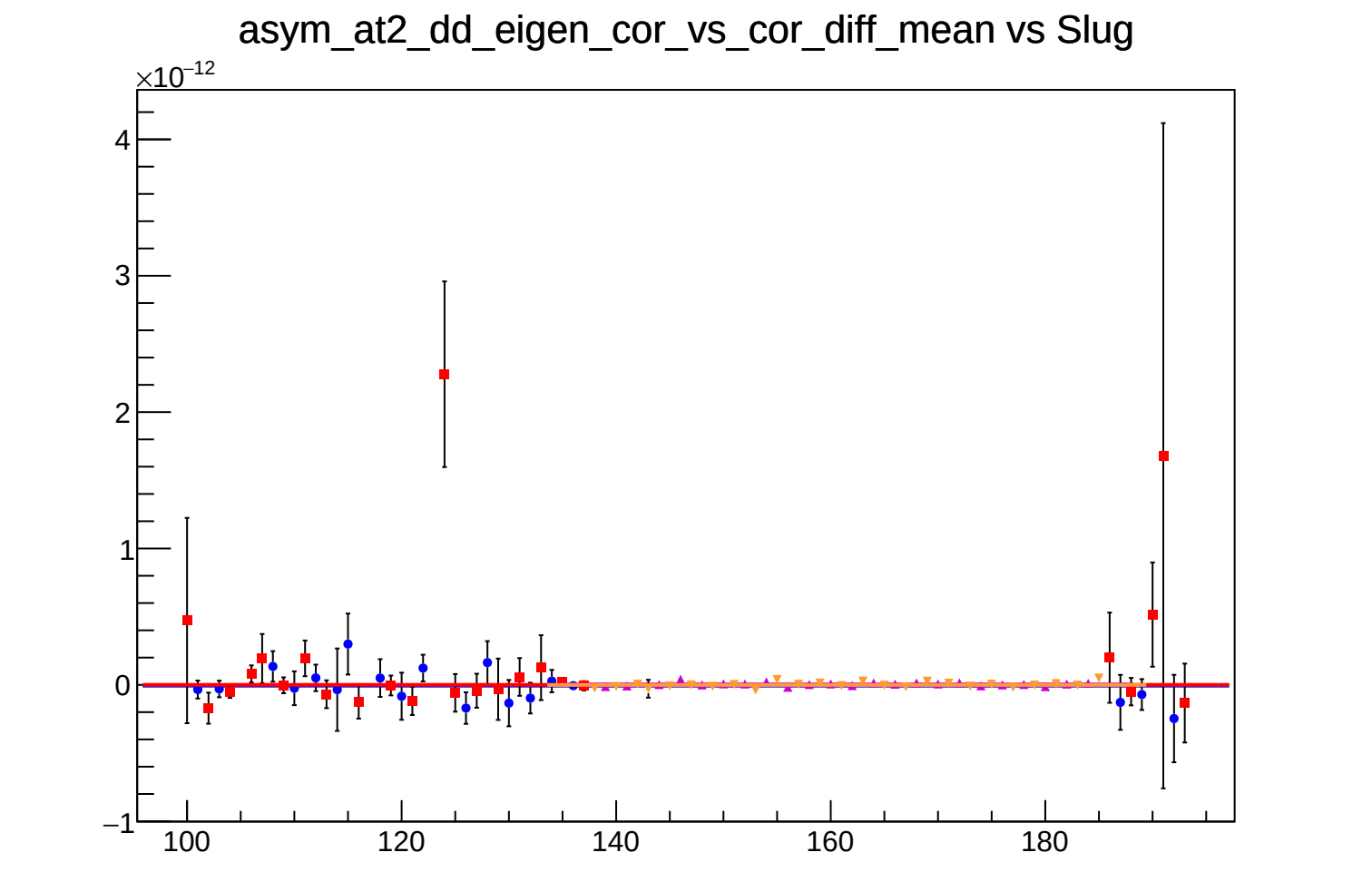
Right Out: 55.921+/-0.016 χ^2/NDF: 5024582.8/23

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 59.915+/-0.010 χ^2/NDF: 15121719.0/43

All: 58.697+/-0.007 χ^2/NDF: 30440380.2/90

- sign 57.577+/-0.010 χ^2/NDF: 15289979.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

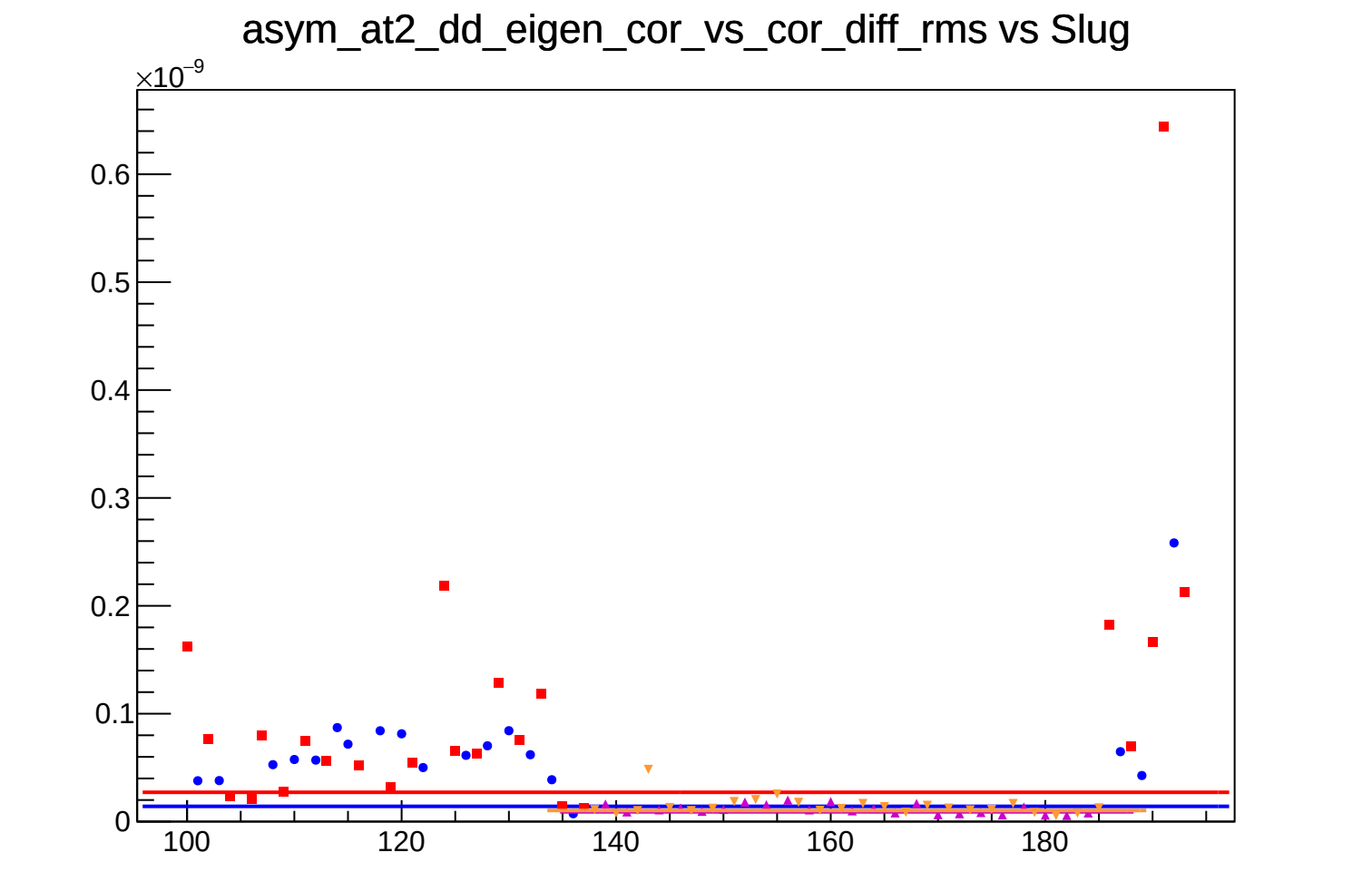
Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/23

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: 75.7/90

- sign 0.000+/-0.000 χ^2/NDF: 43.6/46



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: 5636291.8/23

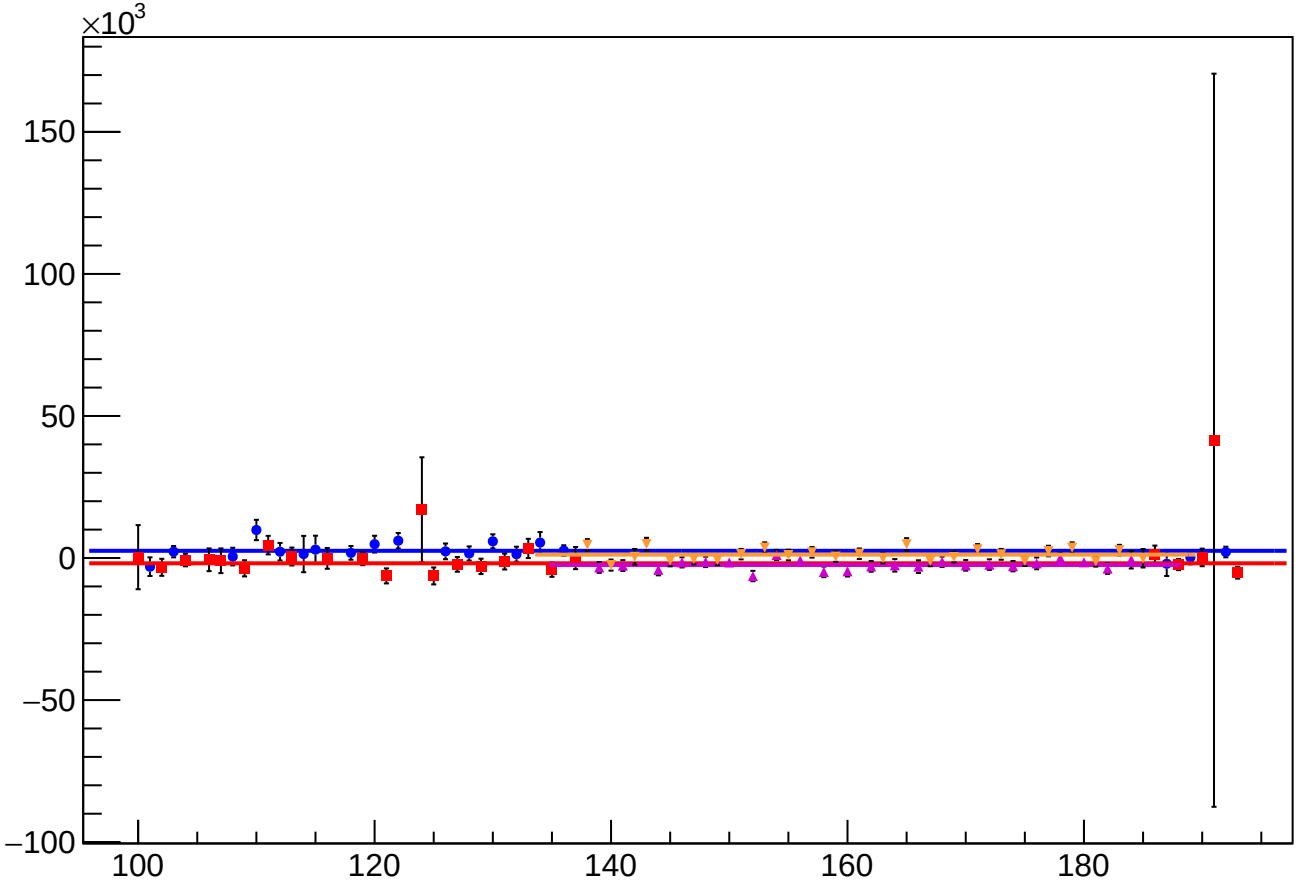
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10314091.8/43

All: 0.000+/-0.000 χ^2/NDF: 21982064.5/90

- sign 0.000+/-0.000 χ^2/NDF: 11557988.0/46

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: -1857.070+/-607.899 χ^2/NDF: 20.1/23

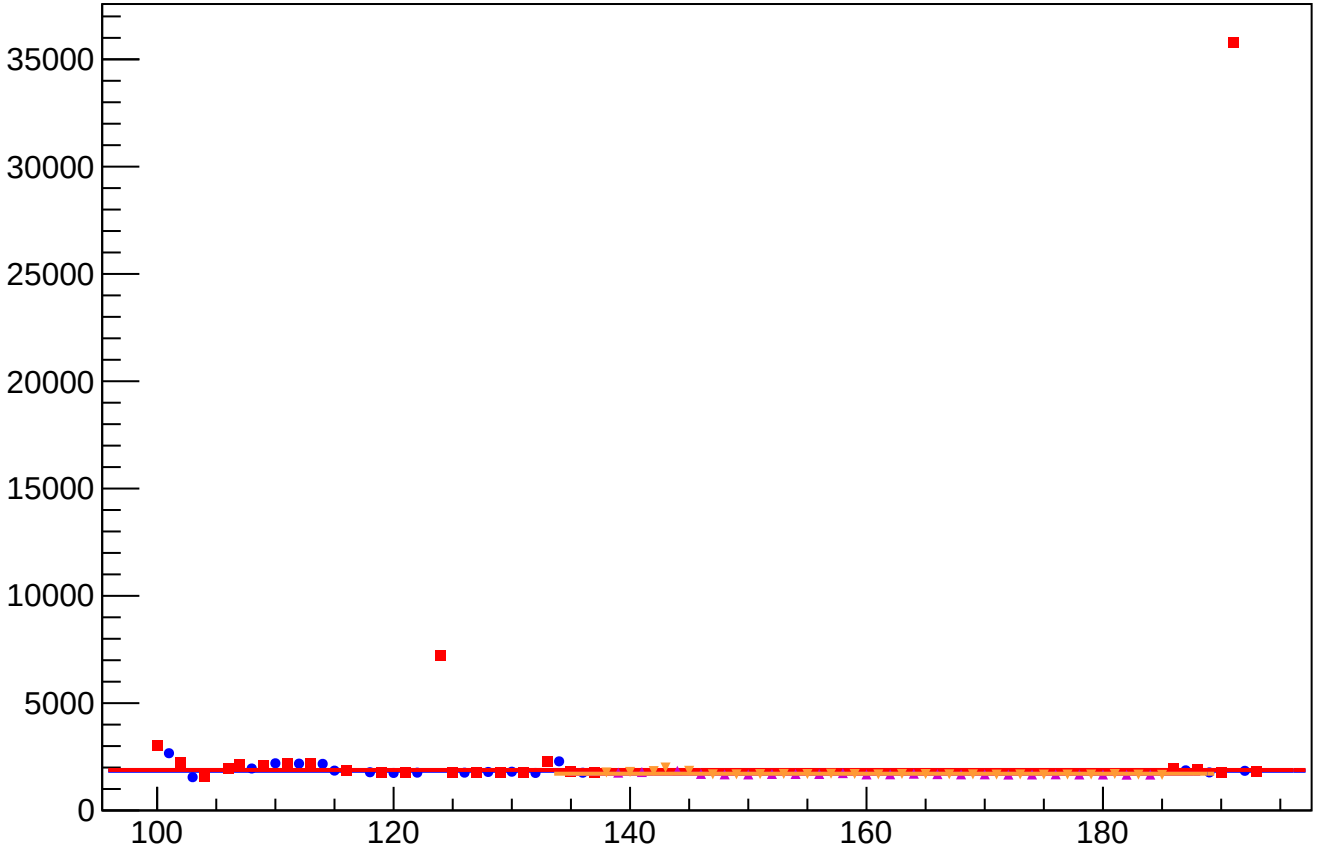
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1579.104+/-330.024 χ^2/NDF: 44.5/43

All: -325.617+/-234.394 χ^2/NDF: 149.9/90

- sign -2264.423+/-332.963 χ^2/NDF: 38.2/46

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: 1886.942+/-0.429 χ^2/NDF: 515420.1/23

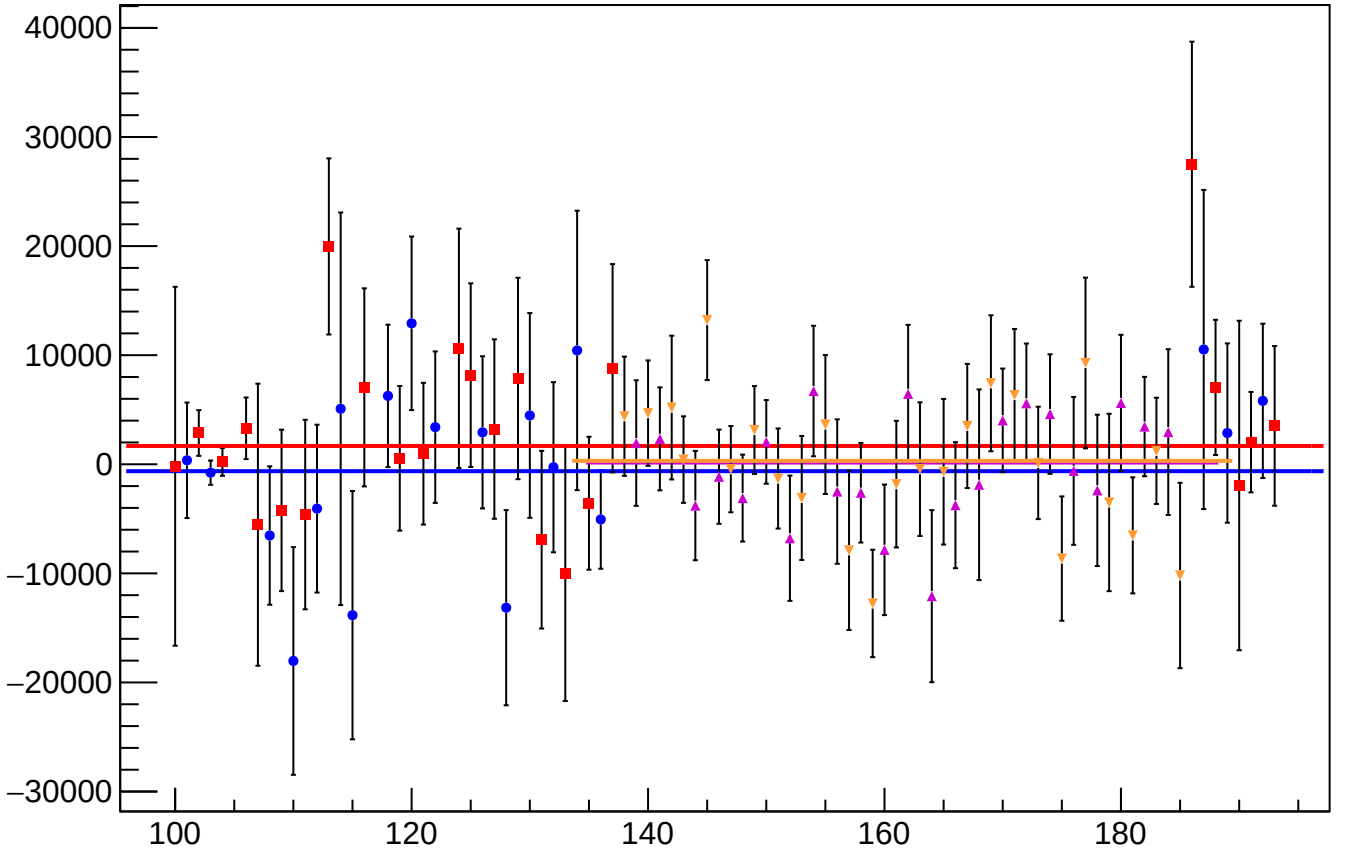
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1750.145+/-0.233 χ^2/NDF: 394773.3/43

All: 1754.532+/-0.166 χ^2/NDF: 1060613.9/90

- sign 1758.994+/-0.235 χ^2/NDF: 665127.6/46

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: 1679.574+/-878.343 χ^2/NDF: 20.3/23

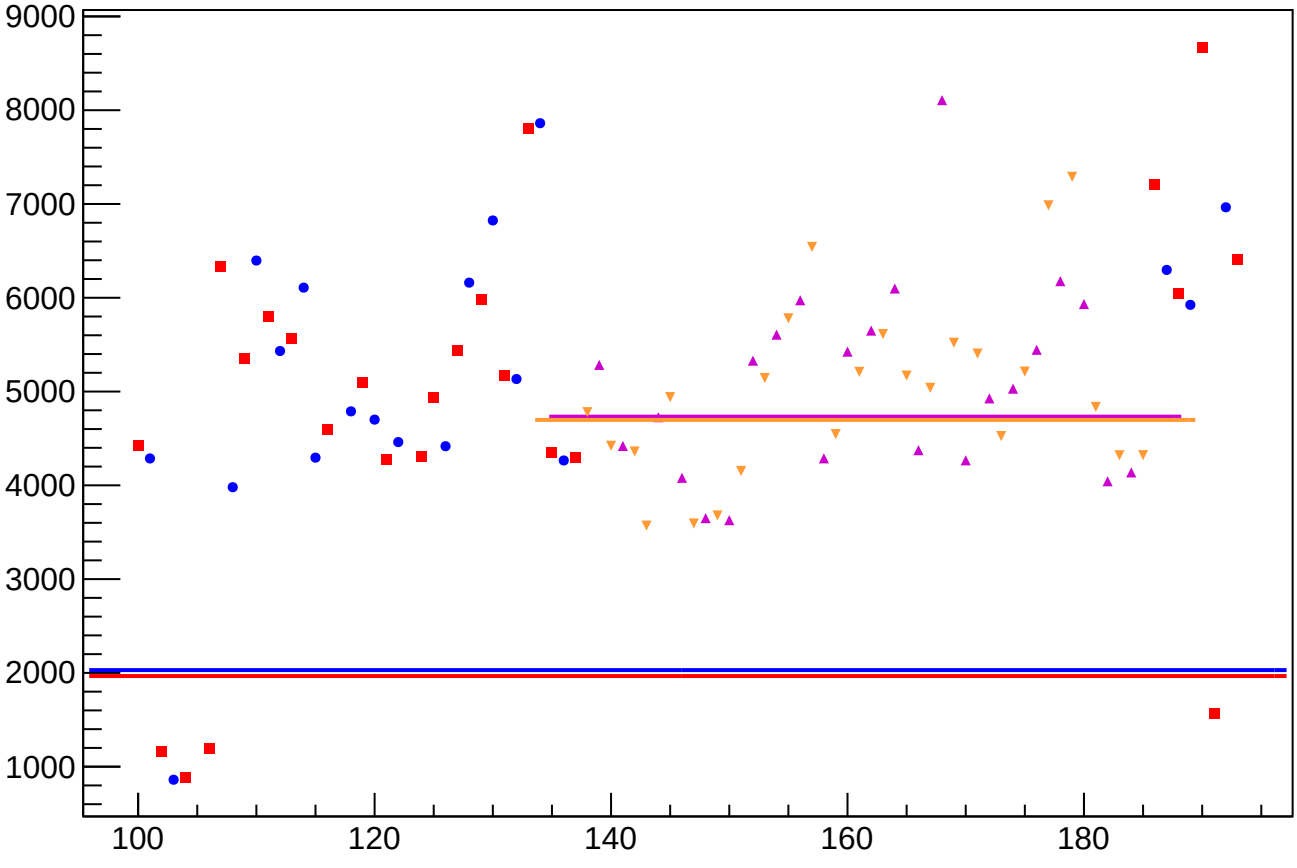
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

\+ sign -226.666+/-714.907 χ^2/NDF: 43.0/43

All: 460.024+/-497.636 χ^2/NDF: 80.9/90

\- sign 1105.504+/-693.124 χ^2/NDF: 36.1/46

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: 1966.476+/-0.621 χ^2/NDF: 8977194.7/23

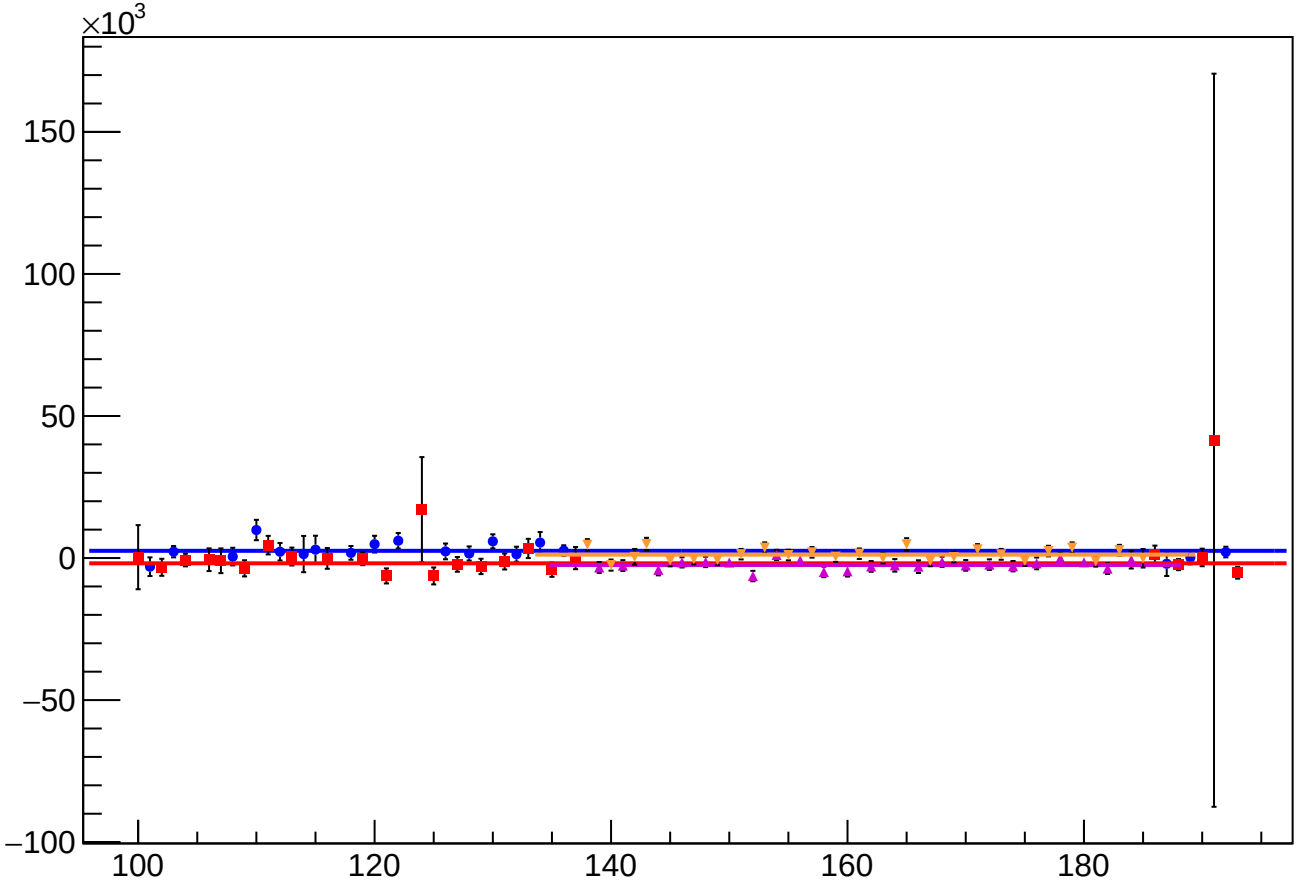
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3173.272+/-0.506 χ^2/NDF: 16560062.3/43

All: 3089.116+/-0.352 χ^2/NDF: 34316409.6/9

- sign 3010.010+/-0.490 χ^2/NDF: 17702581.6/46

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: -1856.075+/-607.900 χ^2/NDF: 20.1/23

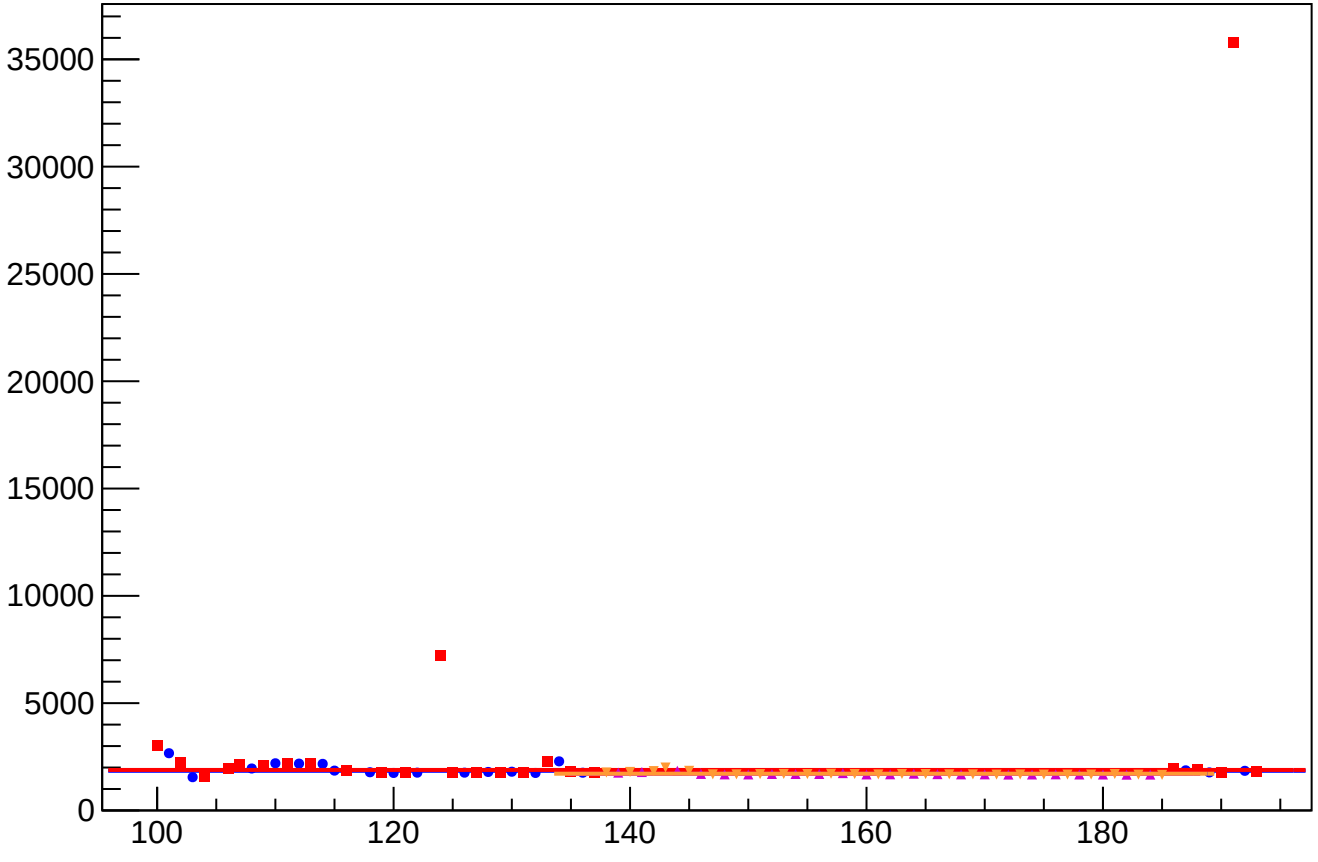
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1579.067+/-330.024 χ^2/NDF: 44.5/43

All: -325.464+/-234.394 χ^2/NDF: 149.9/90

- sign -2264.077+/-332.963 χ^2/NDF: 38.3/46

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: 1887.279+/-0.429 χ^2/NDF: 515678.6/23

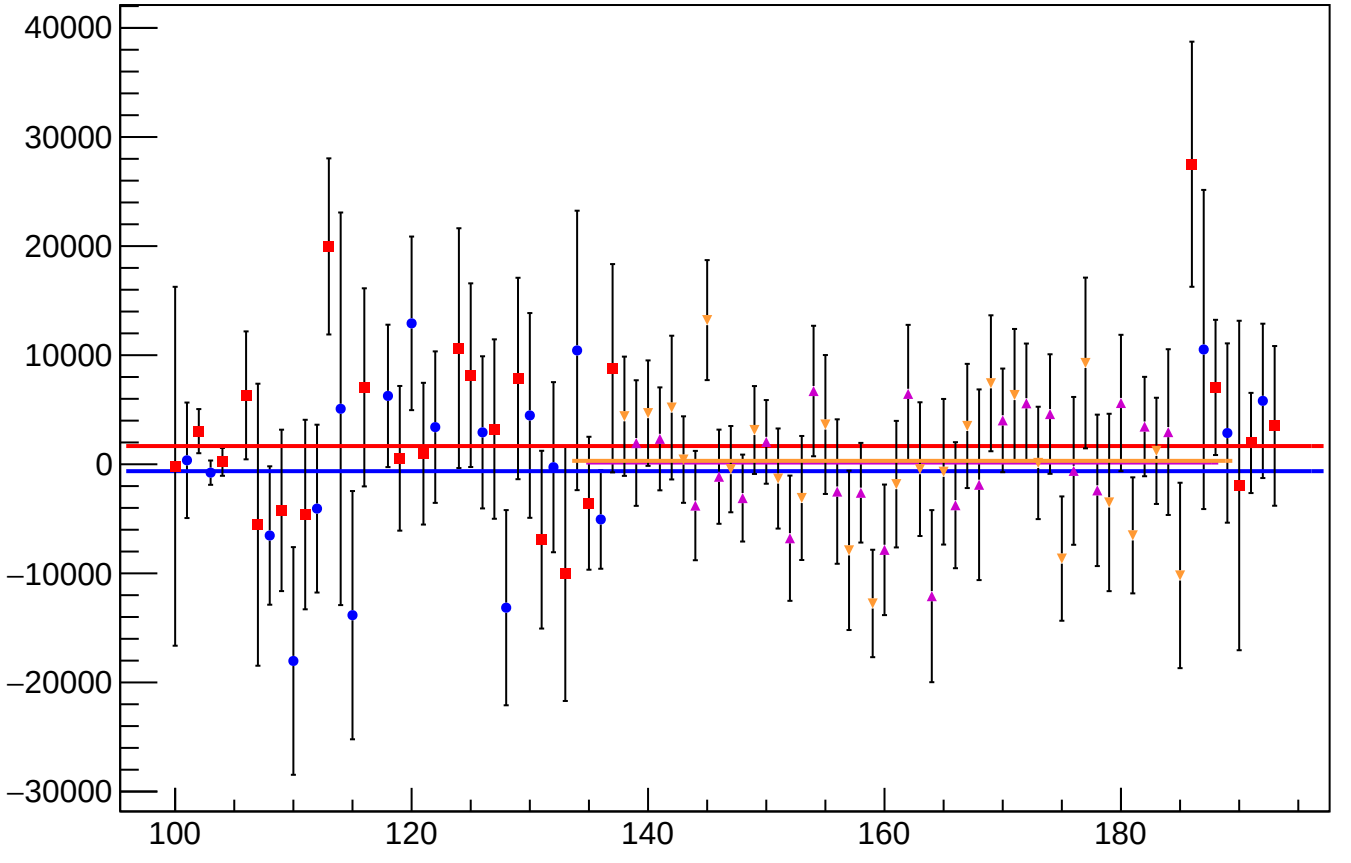
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1750.145+/-0.233 χ^2/NDF: 394773.2/43

All: 1754.576+/-0.166 χ^2/NDF: 1061326.5/90

- sign 1759.083+/-0.235 χ^2/NDF: 665826.0/46

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: 1669.982+/-906.561 χ^2/NDF: 20.7/23

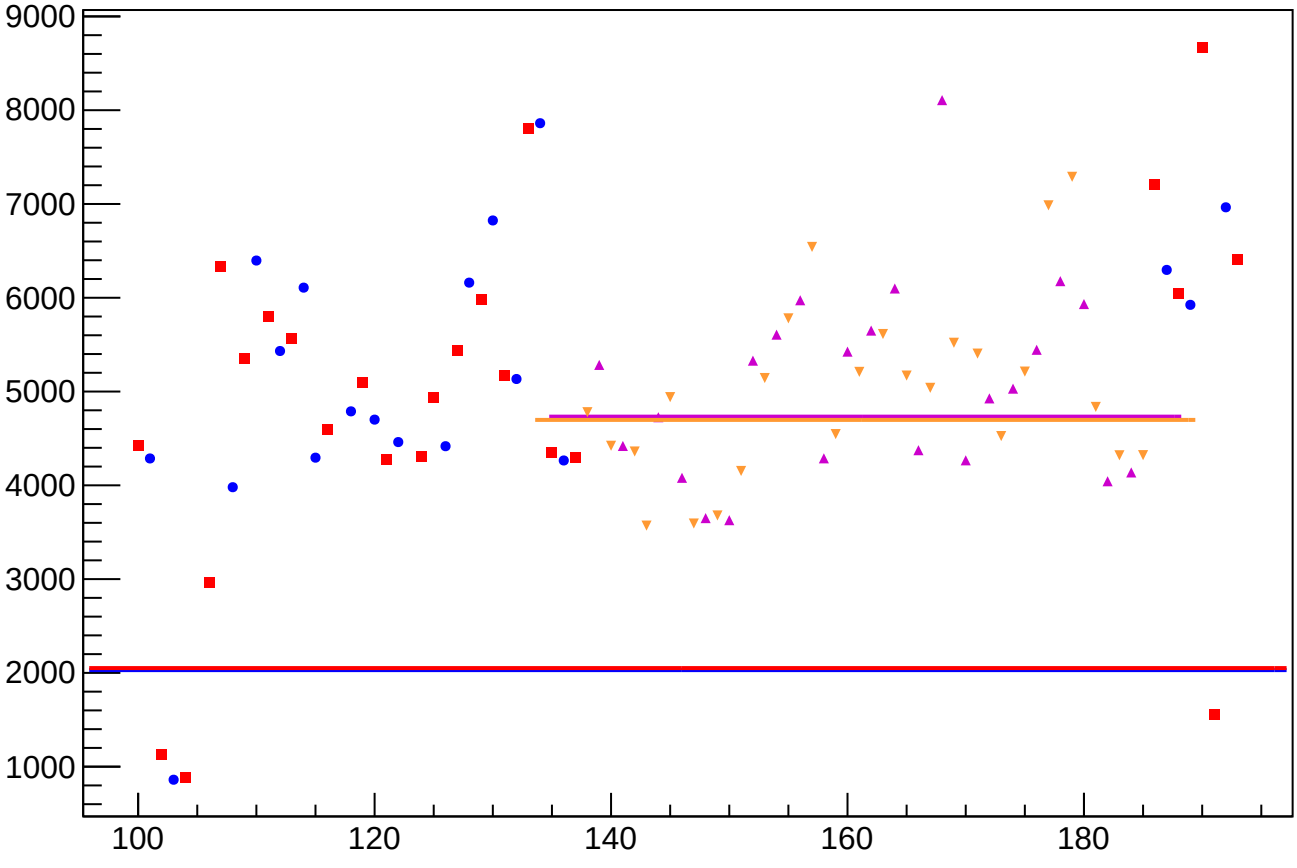
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -226.424+/-714.885 χ^2/NDF: 43.0/43

All: 432.705+/-502.596 χ^2/NDF: 81.2/90

- sign 1076.901+/-706.741 χ^2/NDF: 36.5/46

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: 2051.285+/-0.641 χ^2/NDF: 8920340.4/23

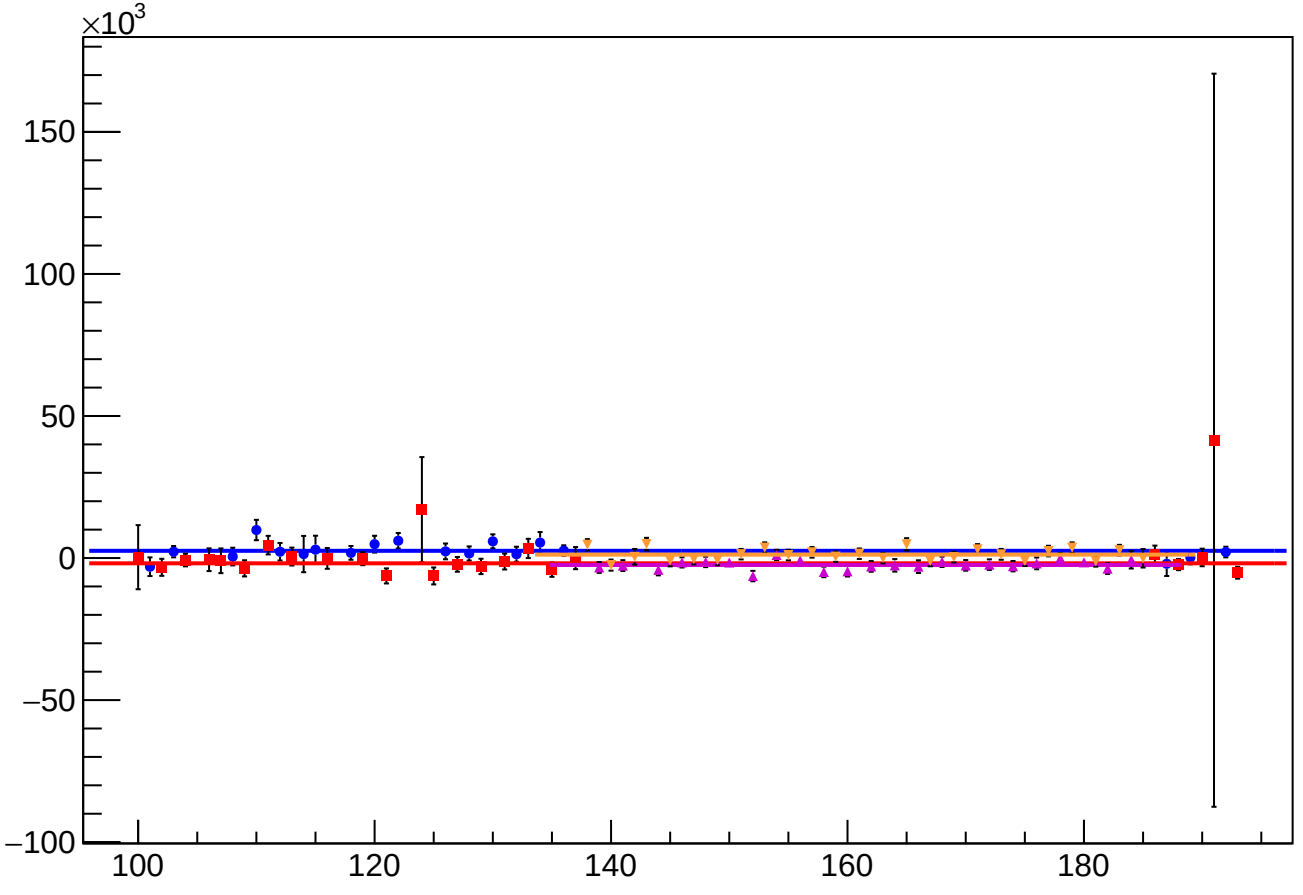
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3173.107+/-0.506 χ^2/NDF: 16561755.1/43

All: 3137.630+/-0.355 χ^2/NDF: 33596389.5/9

- sign 3102.956+/-0.500 χ^2/NDF: 17024894.8/46

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: -1856.075+/-607.900 χ^2/NDF: 20.1/23

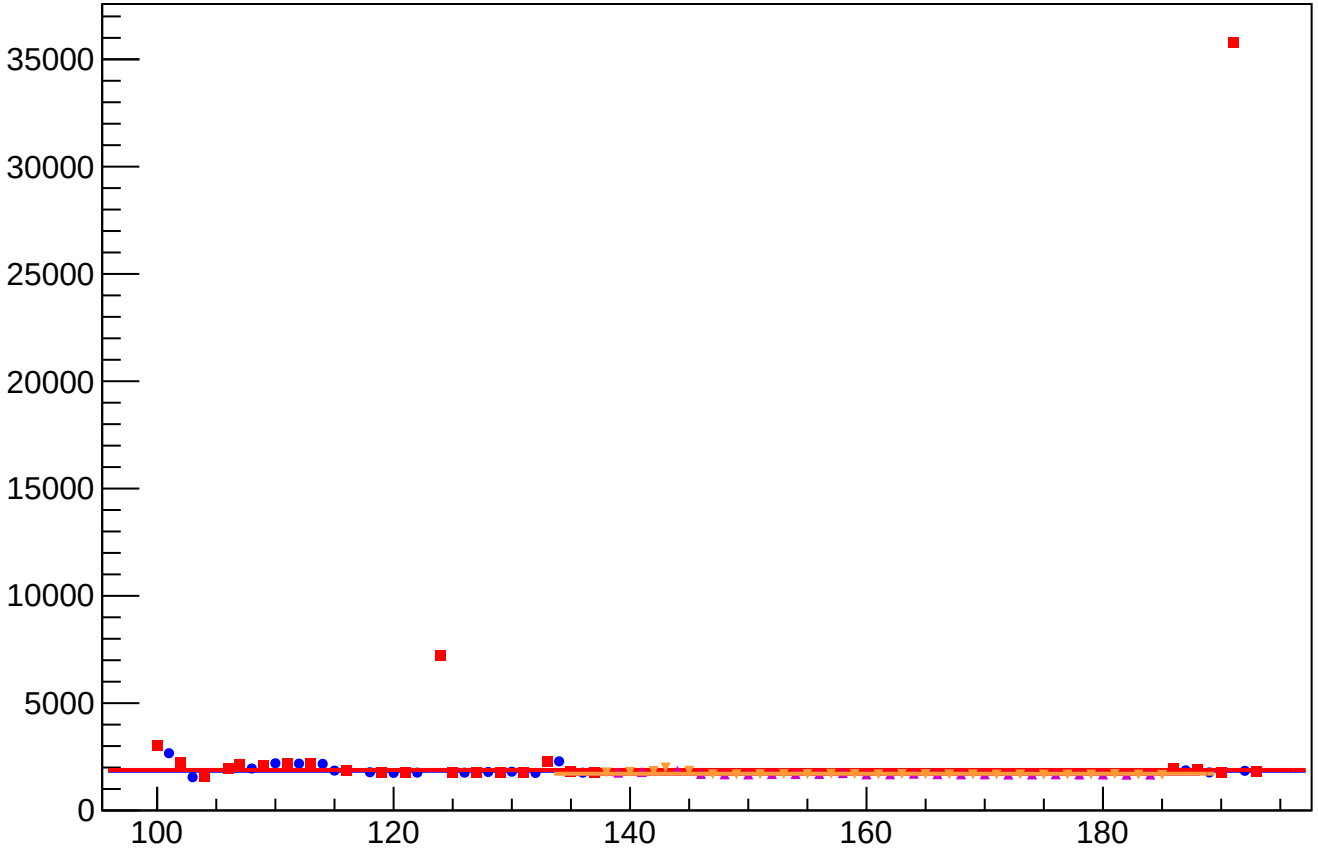
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1579.067+/-330.024 χ^2/NDF: 44.5/43

All: -325.464+/-234.394 χ^2/NDF: 149.9/90

- sign -2264.077+/-332.963 χ^2/NDF: 38.3/46

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: 1887.279+/-0.429 χ^2/NDF: 515678.6/23

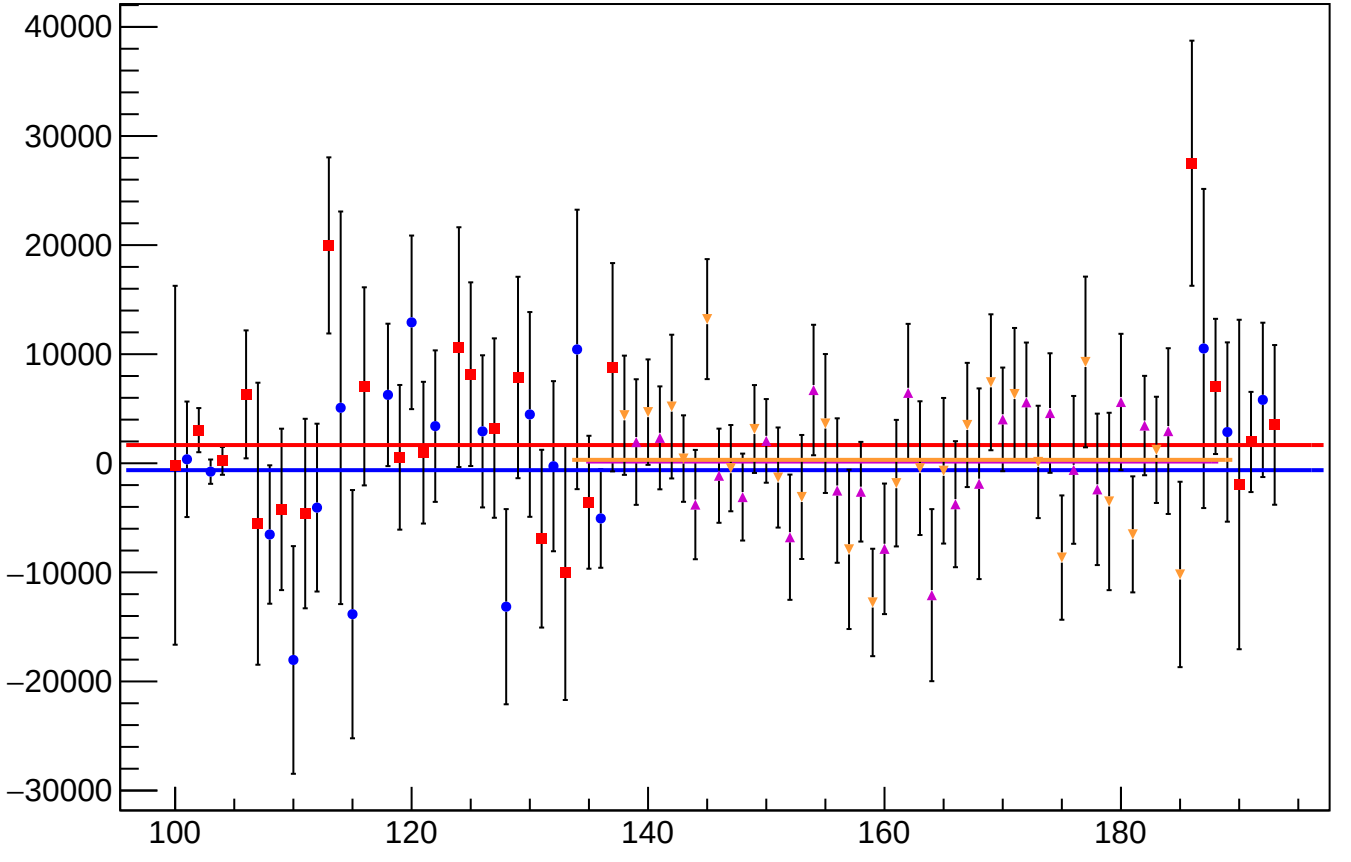
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1750.145+/-0.233 χ^2/NDF: 394773.2/43

All: 1754.576+/-0.166 χ^2/NDF: 1061326.5/90

- sign 1759.083+/-0.235 χ^2/NDF: 665826.0/46

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: 1669.982+/-906.561 χ^2/NDF: 20.7/23

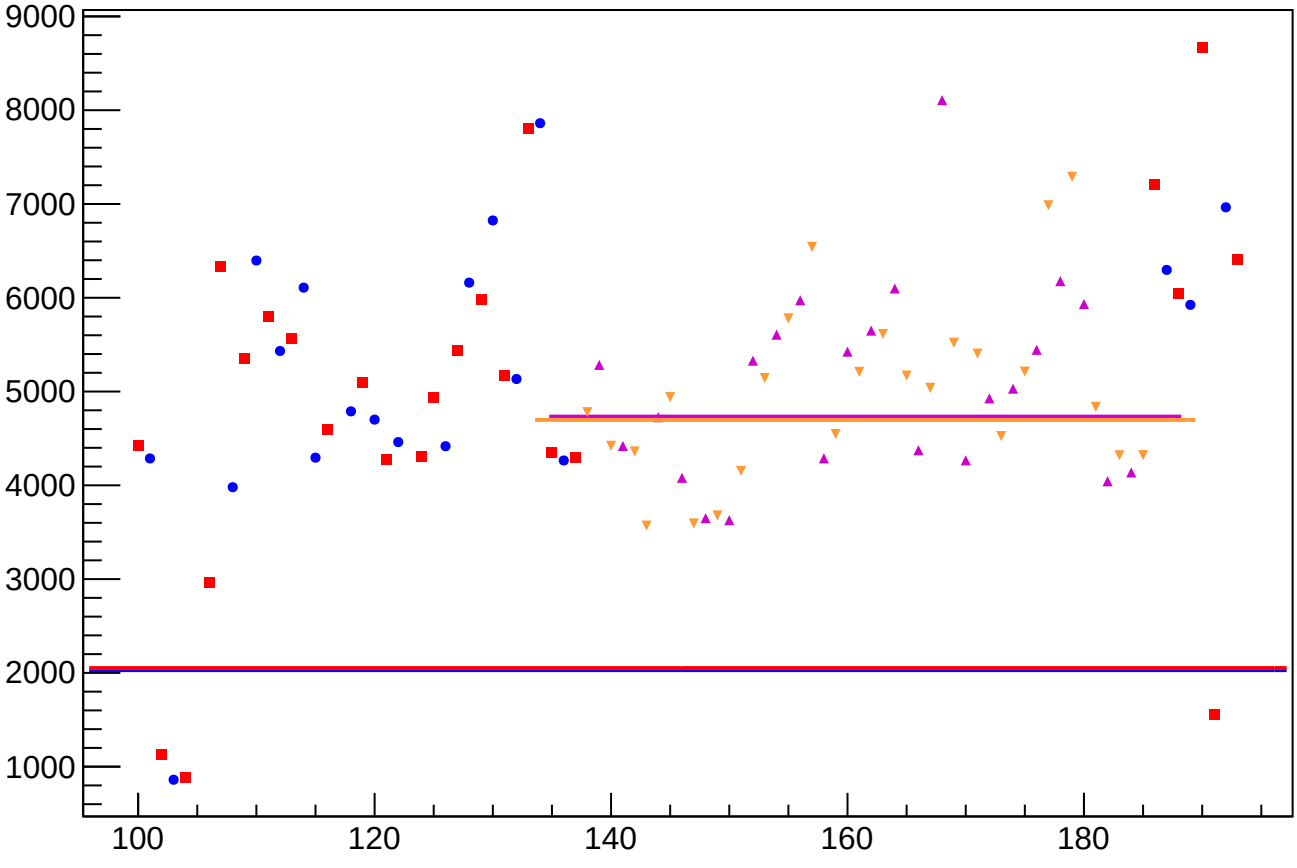
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -226.424+/-714.885 χ^2/NDF: 43.0/43

All: 432.705+/-502.596 χ^2/NDF: 81.2/90

- sign 1076.901+/-706.741 χ^2/NDF: 36.5/46

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: 2051.285+/-0.641 χ^2/NDF: 8920340.4/23

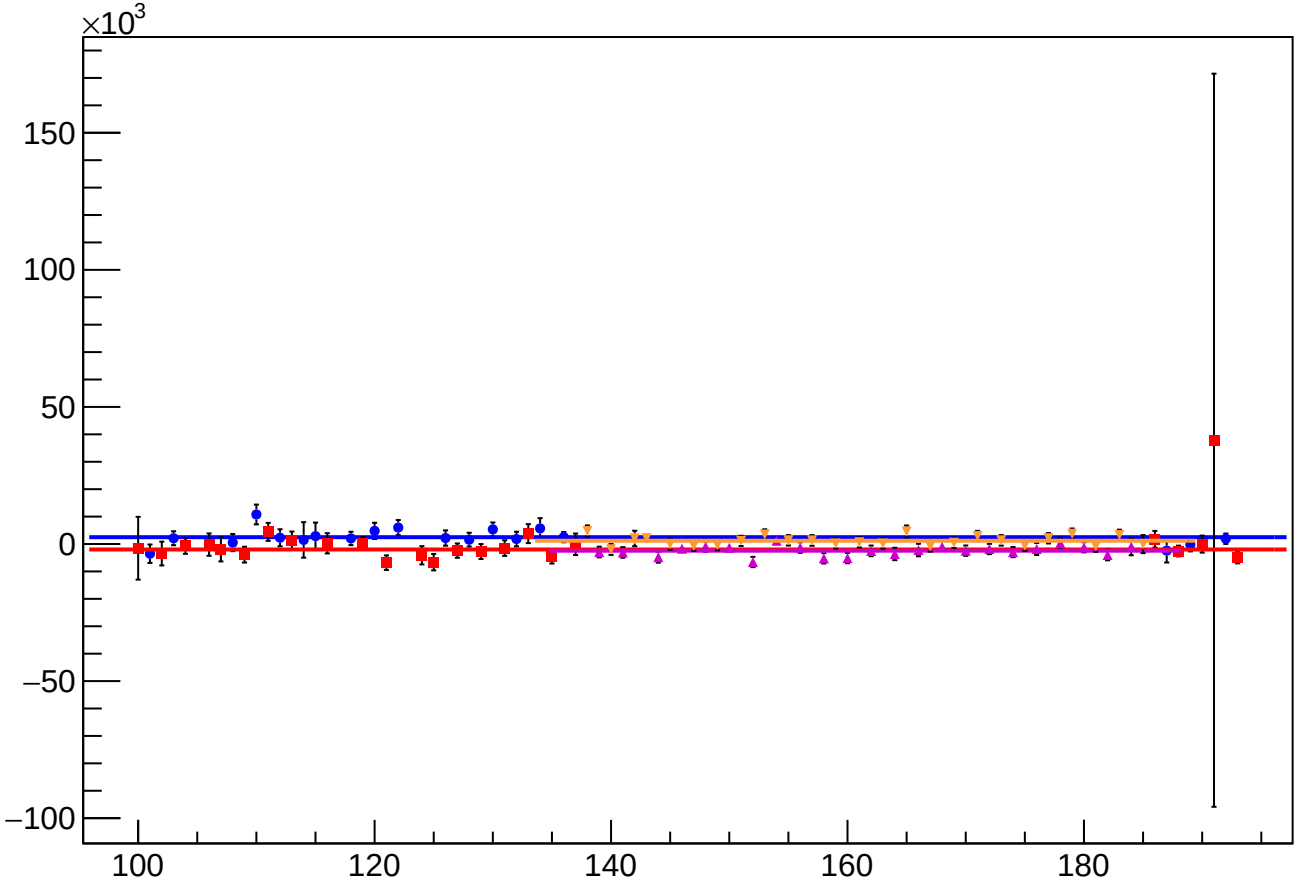
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3173.107+/-0.506 χ^2/NDF: 16561755.1/43

All: 3137.630+/-0.355 χ^2/NDF: 33596389.5/9

- sign 3102.956+/-0.500 χ^2/NDF: 17024894.8/46

dit_asym_atl1r2_avg_mean vs Slug



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: -1997.546+/-618.376 χ^2/NDF: 21.4/23

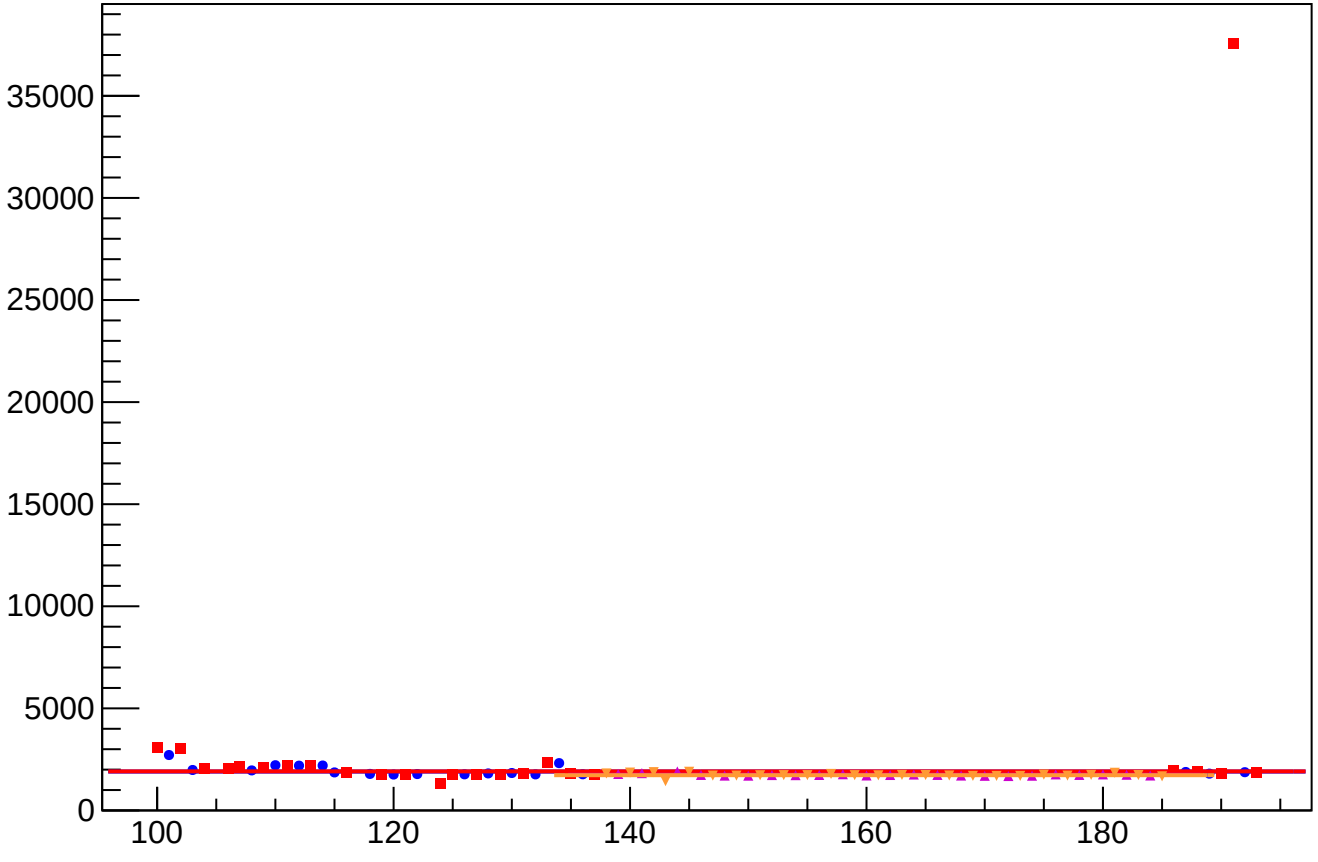
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1550.075+/-335.086 χ^2/NDF: 38.4/43

All: -347.579+/-238.761 χ^2/NDF: 145.9/90

- sign -2304.661+/-340.292 χ^2/NDF: 42.4/46

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: 1914.518+/-0.437 χ^2/NDF: 496848.7/23

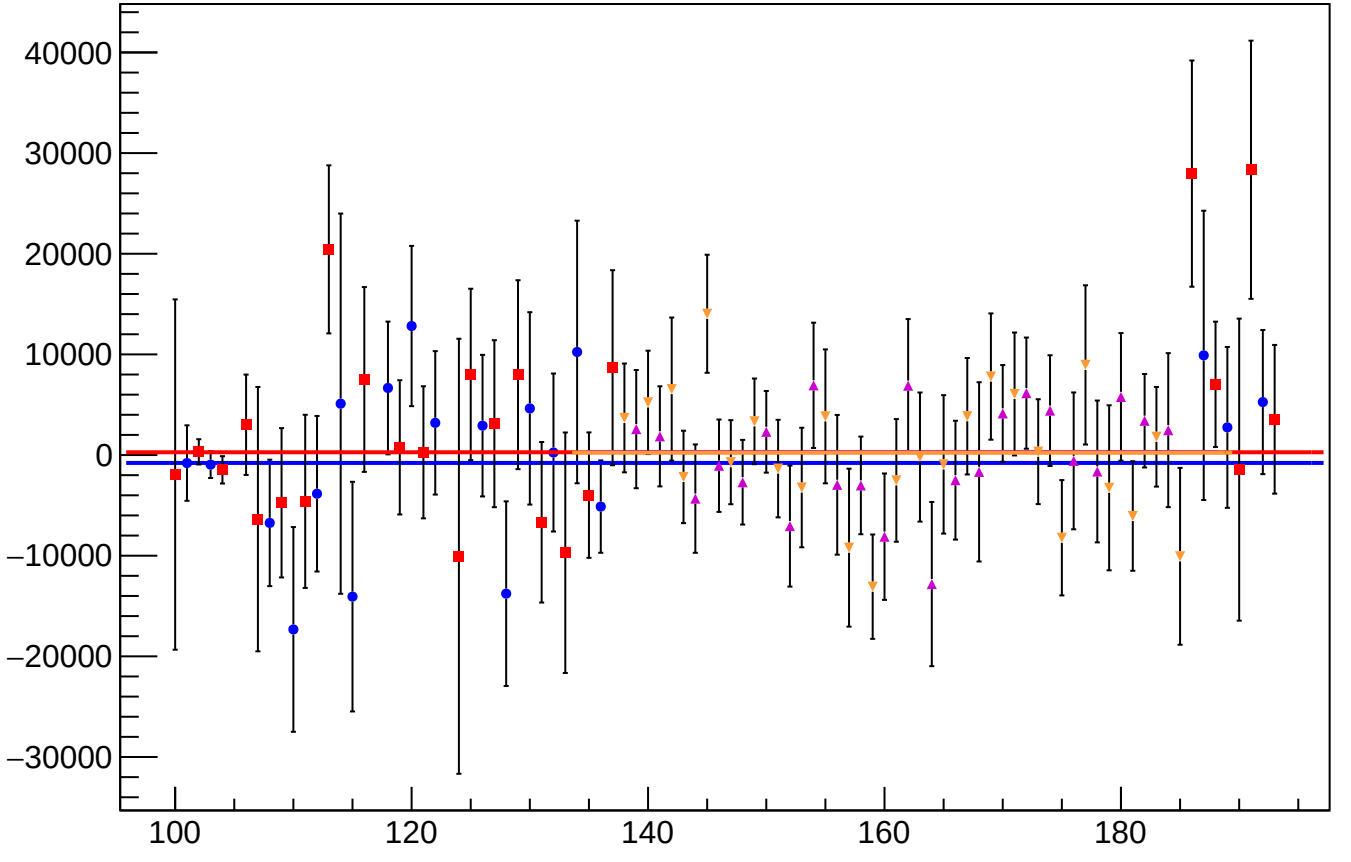
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1775.717+/-0.237 χ^2/NDF: 442031.7/43

All: 1785.764+/-0.169 χ^2/NDF: 1074657.2/90

- sign 1796.122+/-0.241 χ^2/NDF: 628973.8/46

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: 276.645+/-817.983 χ^2/NDF: 26.2/23

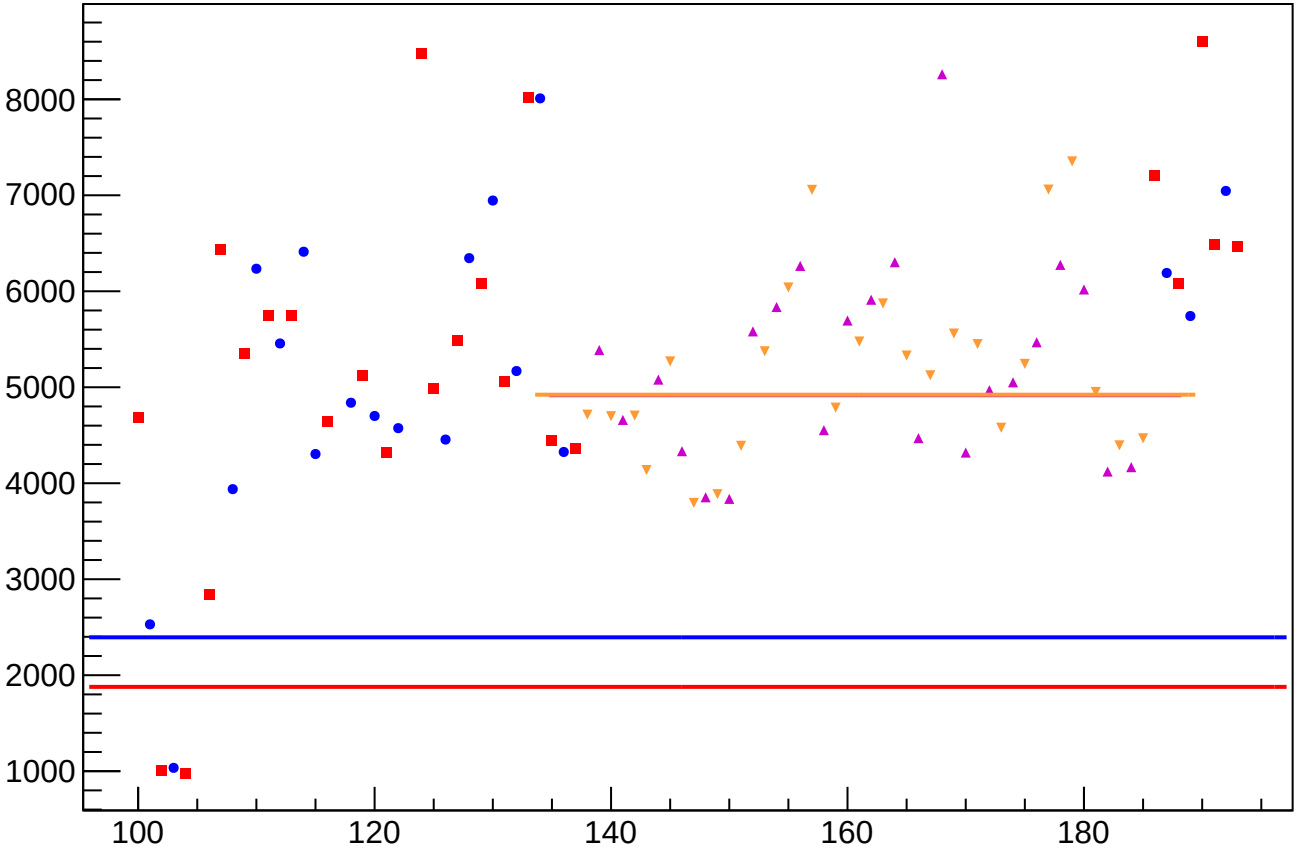
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -314.165+/-772.048 χ^2/NDF: 42.5/43

All: 28.096+/-506.273 χ^2/NDF: 83.6/90

- sign 286.306+/-670.583 χ^2/NDF: 40.7/46

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: 1878.386+/-0.578 χ^2/NDF: 9763259.1/23

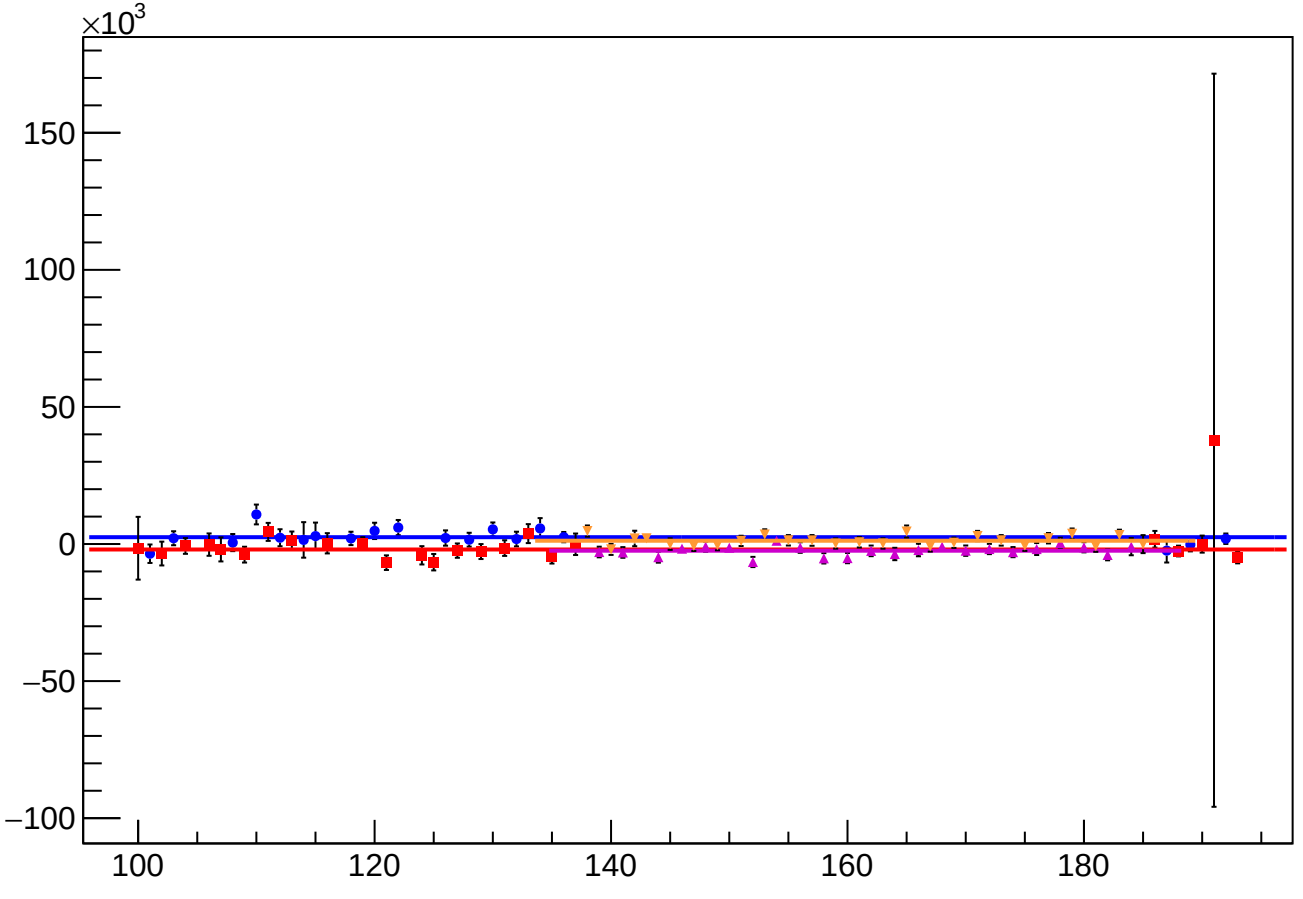
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3552.010+/-0.546 χ^2/NDF: 13265128.4/43

All: 3166.020+/-0.358 χ^2/NDF: 34117320.3/9

- sign 2874.818+/-0.474 χ^2/NDF: 19975130.5/46

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: -1997.551+/-618.376 χ^2/NDF: 21.4/23

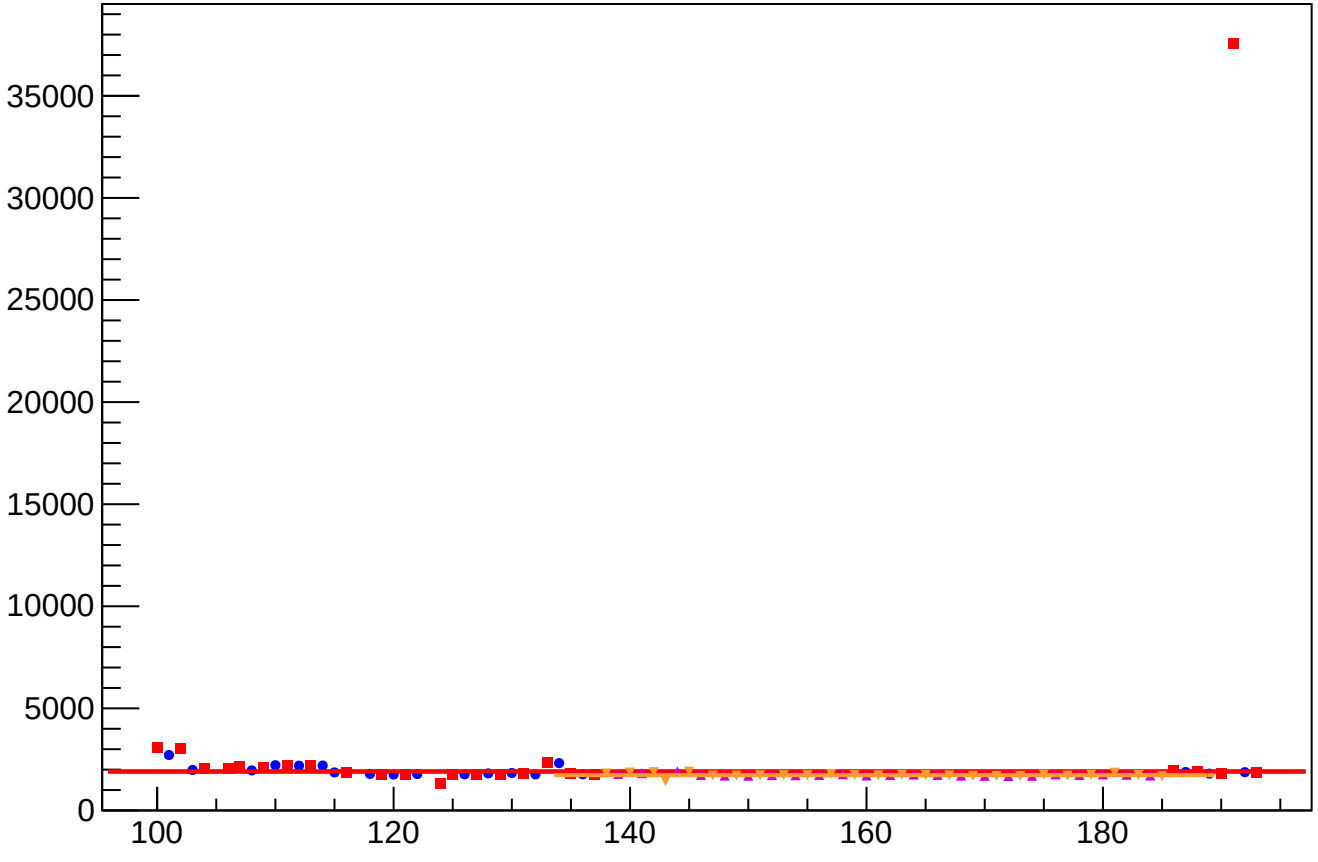
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1550.072+/-335.086 χ^2/NDF: 38.4/43

All: -347.581+/-238.761 χ^2/NDF: 145.9/90

- sign -2304.663+/-340.292 χ^2/NDF: 42.4/46

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: 1914.518+/-0.437 χ^2/NDF: 496847.7/23

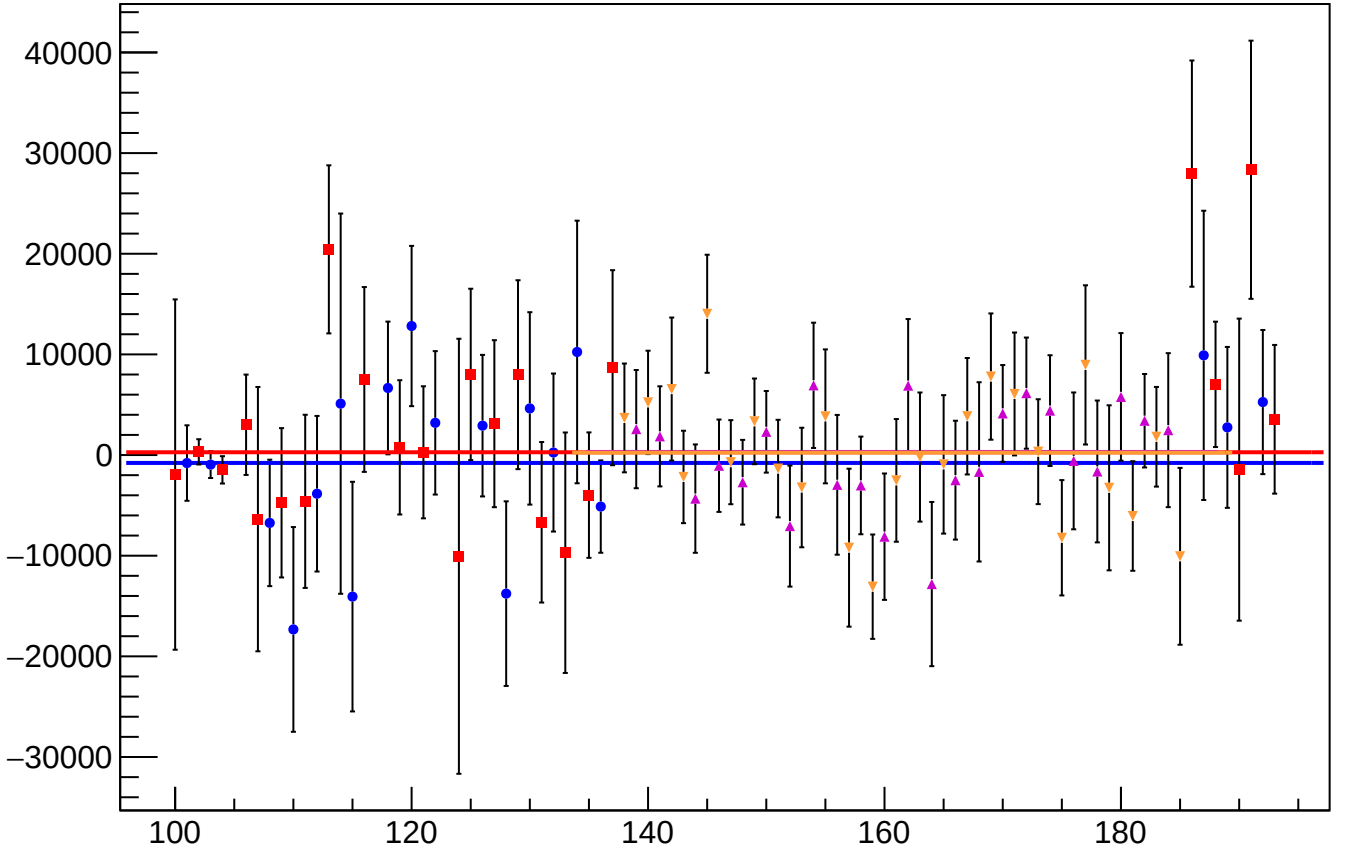
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1775.718+/-0.237 χ^2/NDF: 442028.9/43

All: 1785.765+/-0.169 χ^2/NDF: 1074652.0/90

- sign 1796.123+/-0.241 χ^2/NDF: 628971.4/46

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: 276.650+/-817.983 χ^2/NDF: 26.2/23

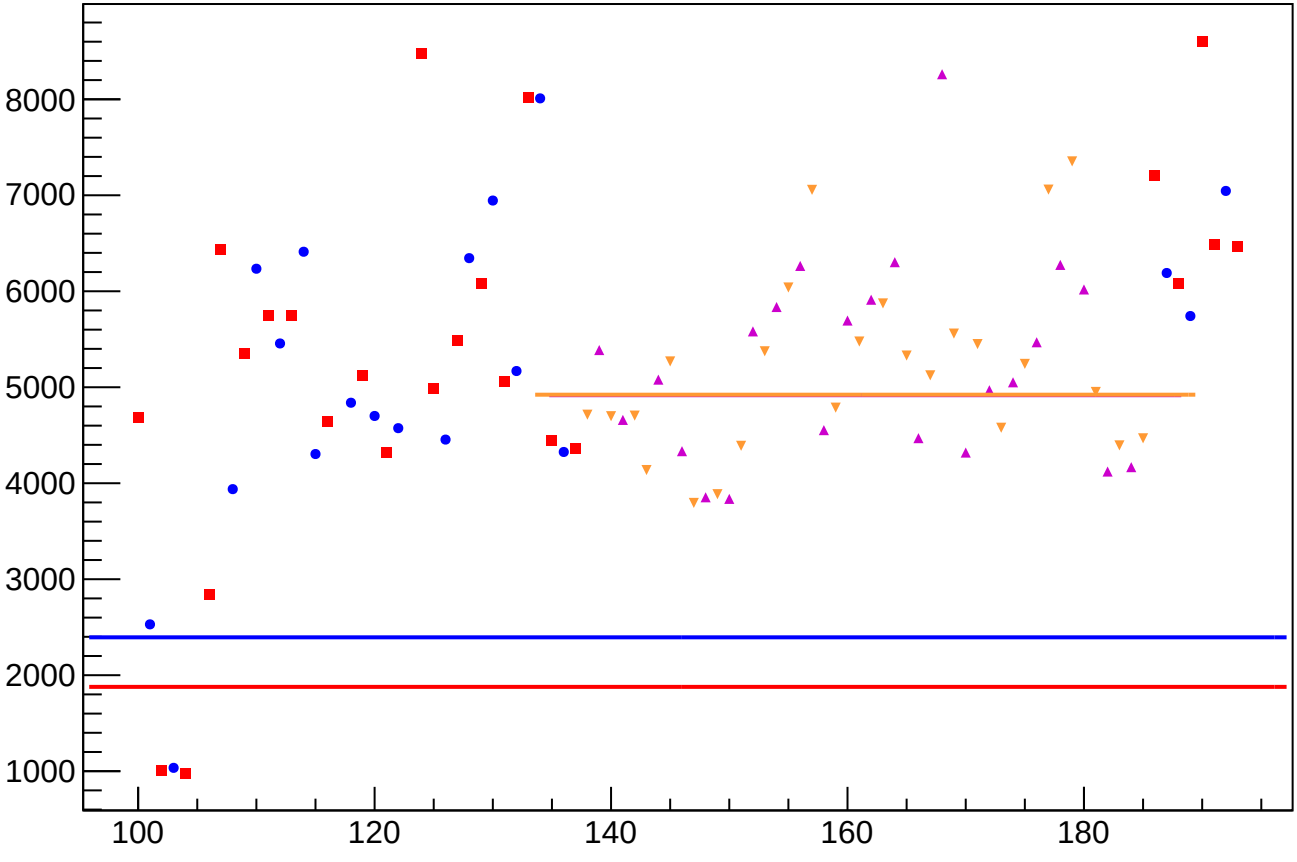
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign -314.167+/-772.048 χ^2/NDF: 42.5/43

All: 28.097+/-506.273 χ^2/NDF: 83.6/90

- sign 286.310+/-670.583 χ^2/NDF: 40.7/46

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: 1878.385+/-0.578 χ^2/NDF: 9763251.4/23

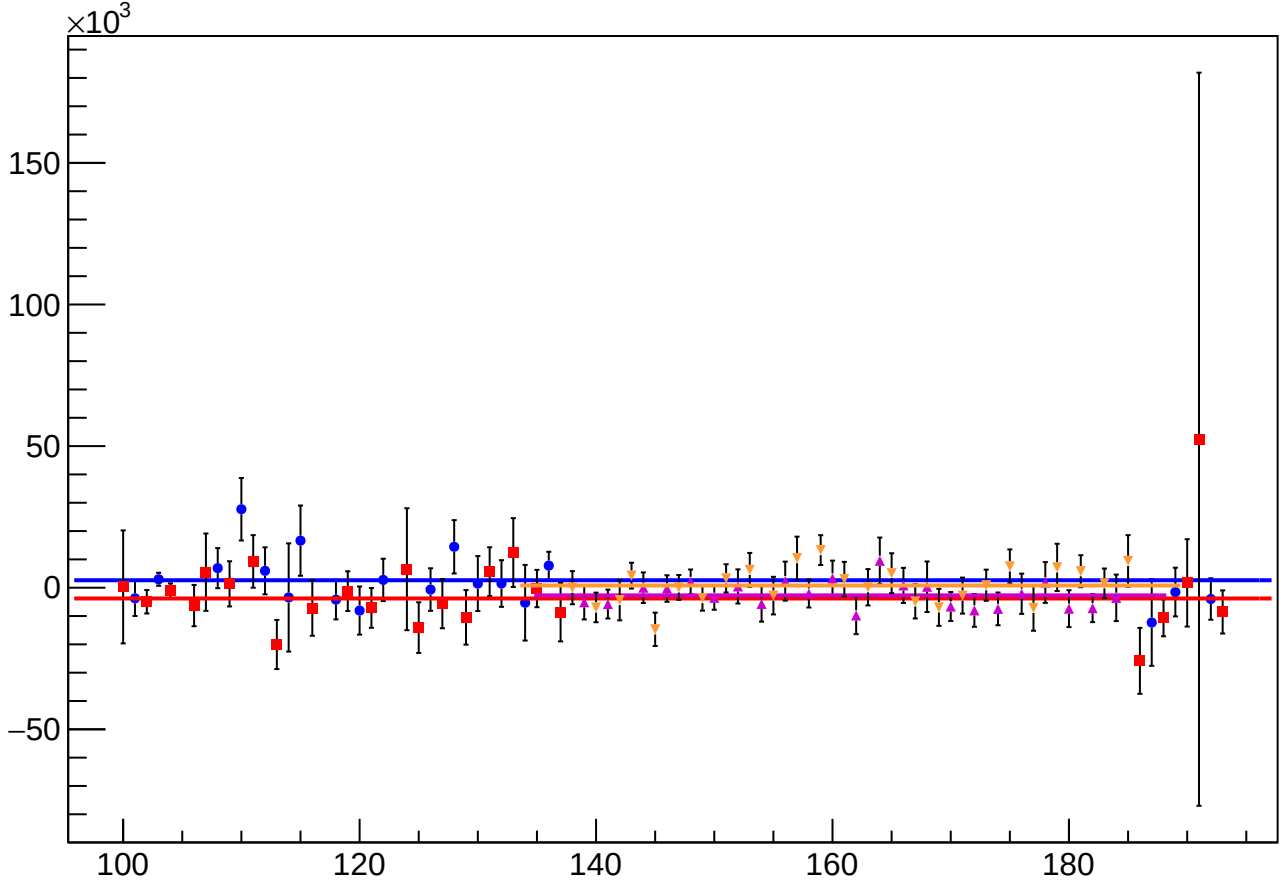
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3552.010+/-0.546 χ^2/NDF: 13265156.6/43

All: 3166.019+/-0.358 χ^2/NDF: 34117378.4/9

- sign 2874.817+/-0.474 χ^2/NDF: 19975158.4/46

asym_atl1r2_avg_mean vs Slug



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: -3796.743+/-1462.501 χ^2/NDF: 19.1/23

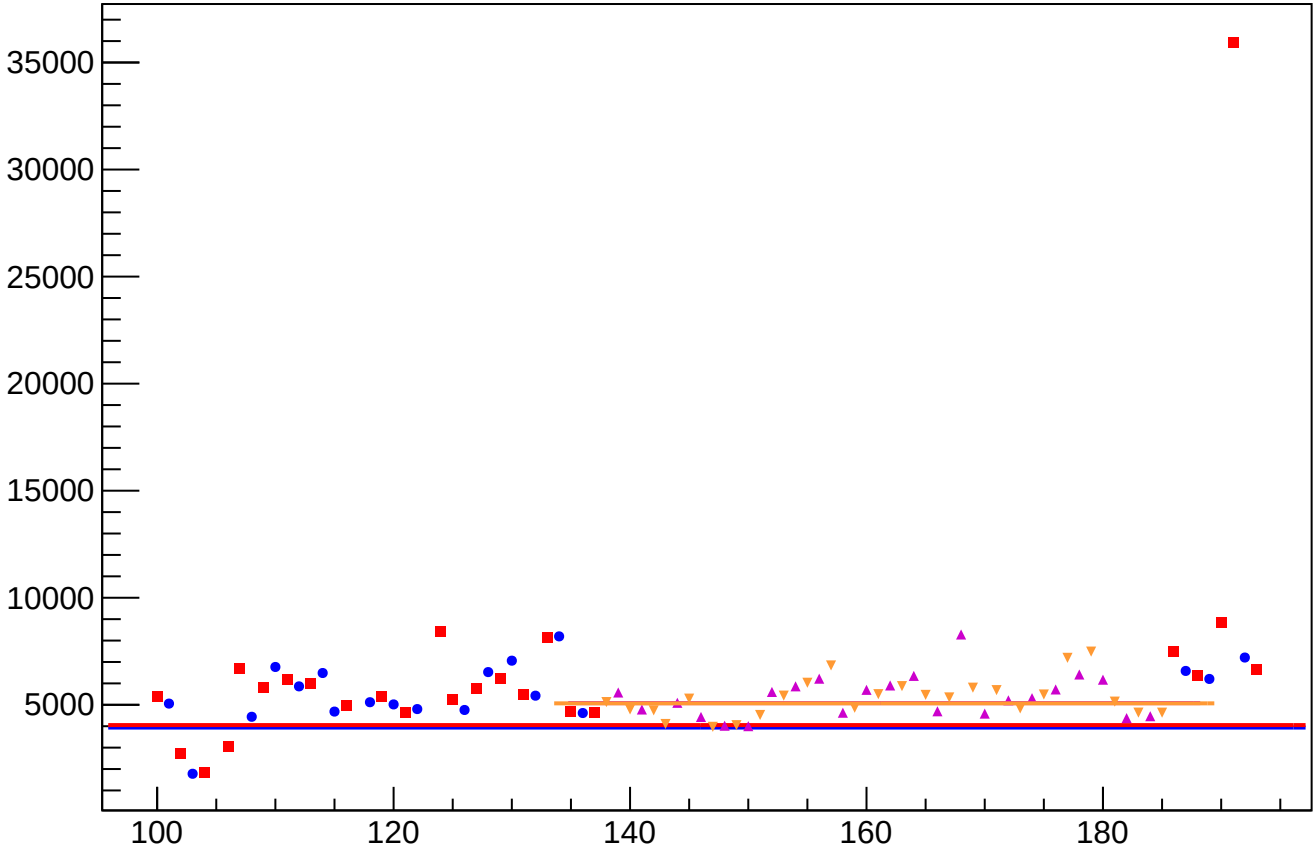
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1502.672+/-918.013 χ^2/NDF: 44.5/43

All: -790.716+/-653.531 χ^2/NDF: 88.5/90

- sign -3147.331+/-930.581 χ^2/NDF: 31.4/46

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: 4052.777+/-1.025 χ^2/NDF: 3767705.6/23

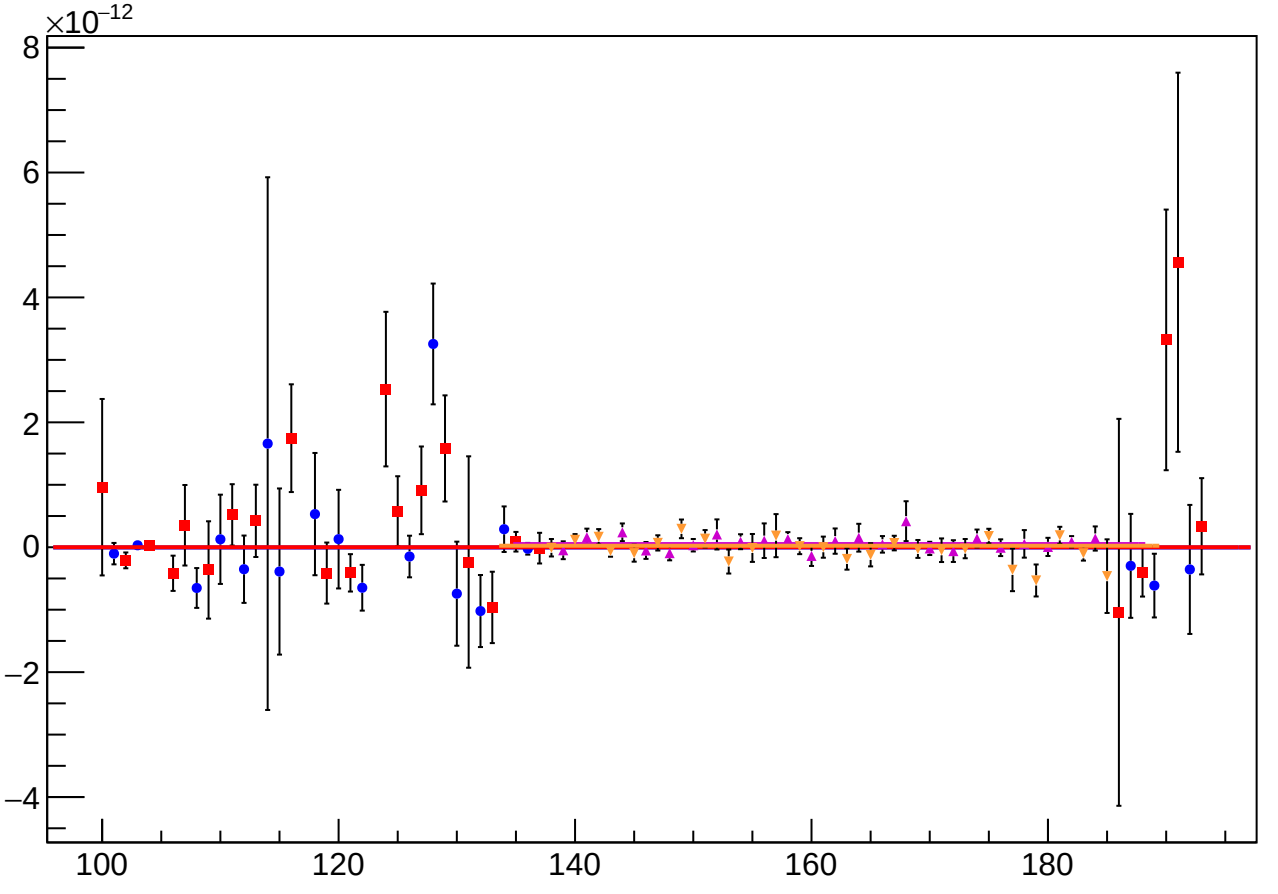
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4630.904+/-0.649 χ^2/NDF: 5208520.5/43

All: 4645.067+/-0.461 χ^2/NDF: 10571534.6/9

- sign 4659.516+/-0.656 χ^2/NDF: 5362052.5/46

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

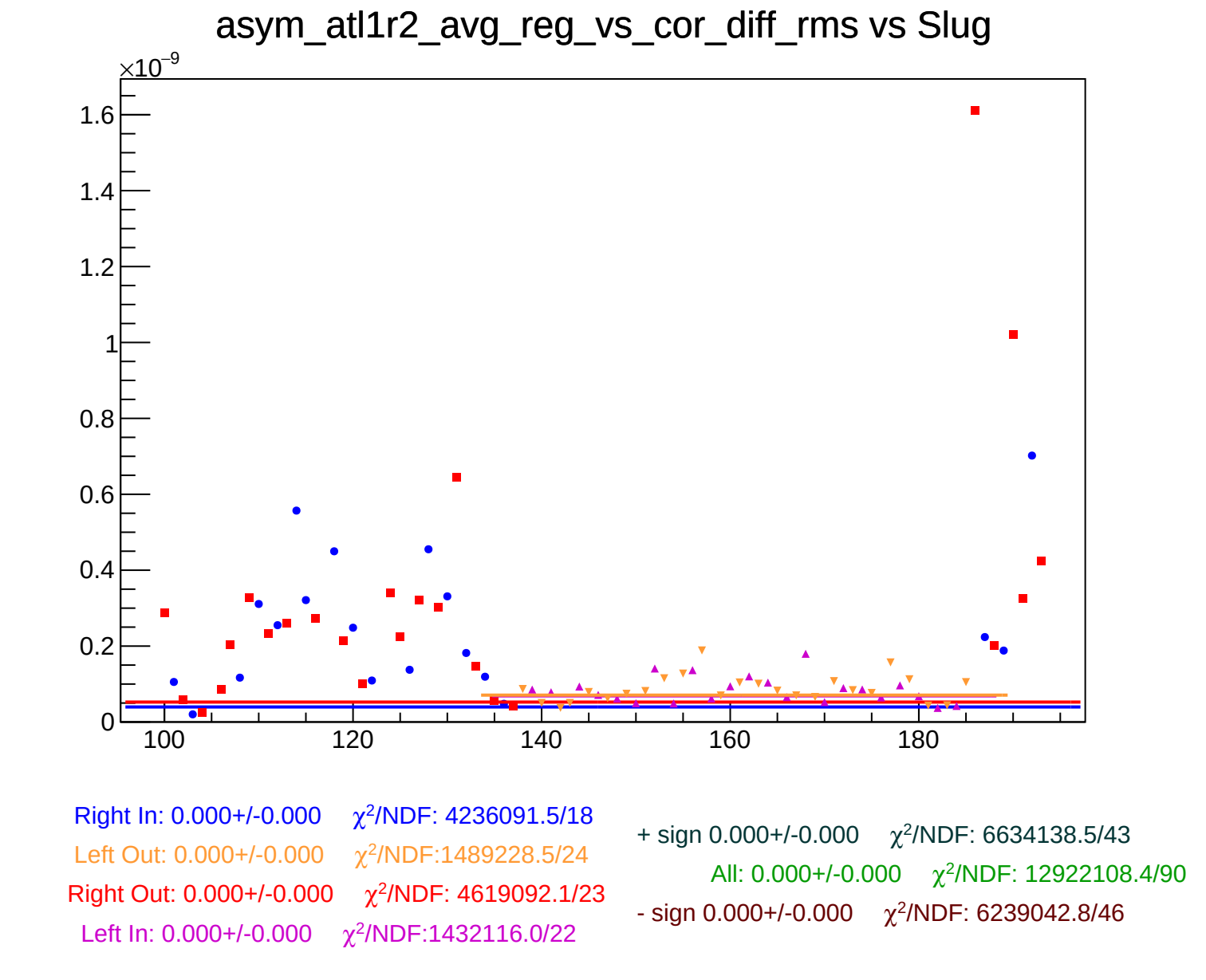
Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/23

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

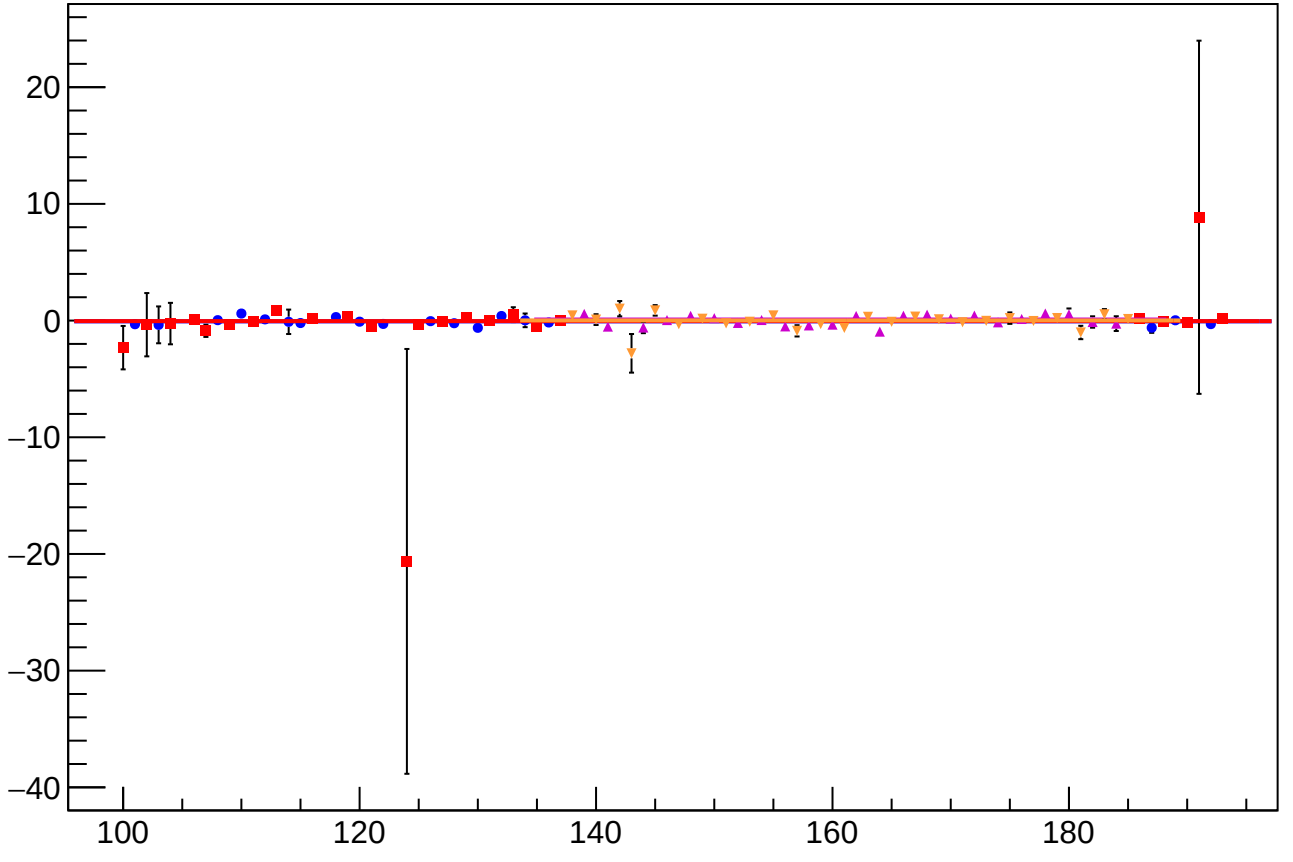
+ sign 0.000+/-0.000 χ^2/NDF: 51.1/43

All: 0.000+/-0.000 χ^2/NDF: 97.8/90

- sign 0.000+/-0.000 χ^2/NDF: 46.2/46


asym_atl1r2_avg_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: 4236091.5/18
Left Out: 0.000+/-0.000 χ²/NDF:1489228.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4619092.1/23
Left In: 0.000+/-0.000 χ²/NDF:1432116.0/22
+ sign 0.000+/-0.000 χ²/NDF: 6634138.5/43
All: 0.000+/-0.000 χ²/NDF: 12922108.4/90
- sign 0.000+/-0.000 χ²/NDF: 6239042.8/46

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: -0.046+/-0.058 χ^2/NDF: 26.4/23

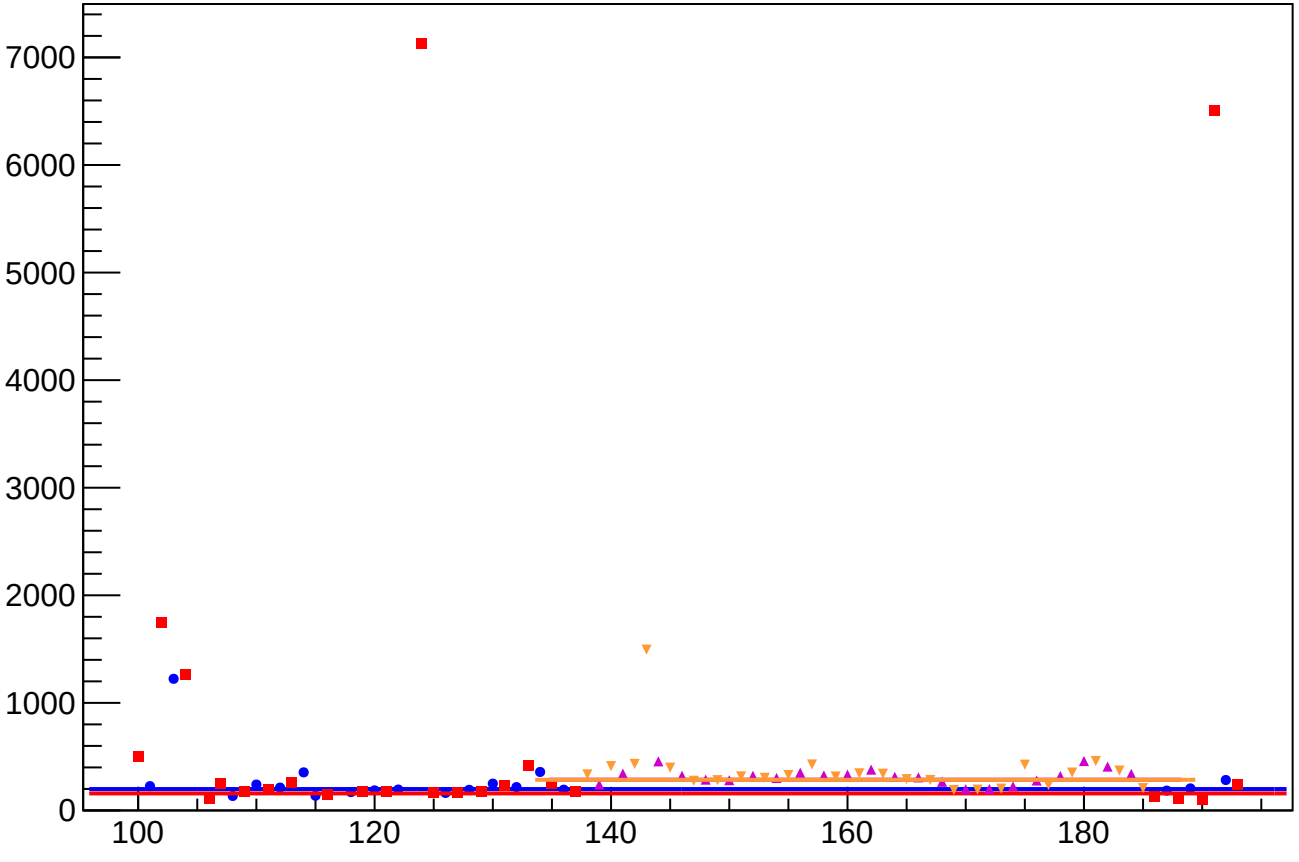
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.026+/-0.050 χ^2/NDF: 43.1/43

All: -0.006+/-0.033 χ^2/NDF: 102.9/90

- sign 0.010+/-0.045 χ^2/NDF: 59.6/46

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: 158.302+/-0.041 χ^2/NDF: 3806901.6/23

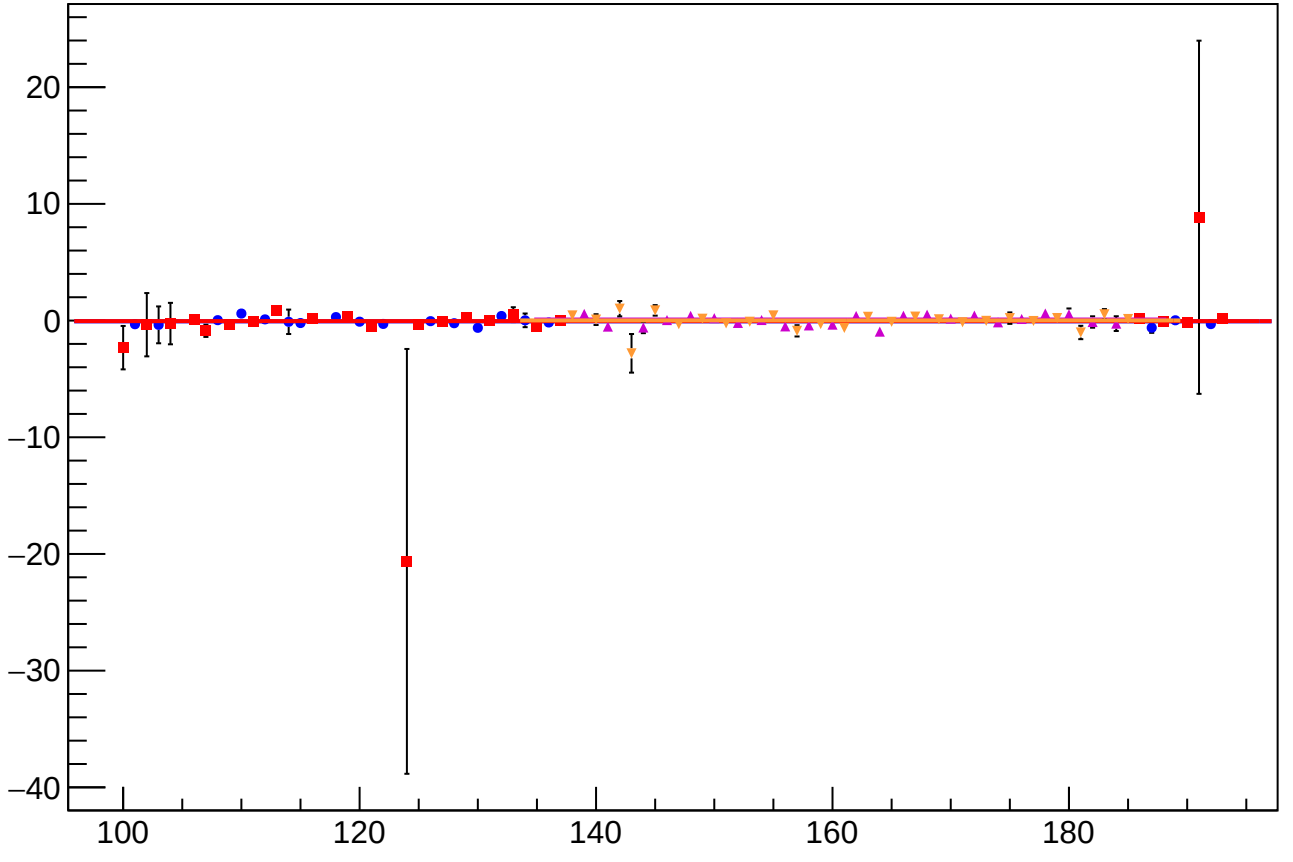
Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.387+/-0.035 χ^2/NDF: 6461881.7/43

All: 224.902+/-0.024 χ^2/NDF: 16401587.6/90

- sign 210.099+/-0.032 χ^2/NDF: 9450191.2/46

asym_atl1r2_avg_dit_vs_eigen_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: -0.046+/-0.058 χ^2/NDF: 26.4/23

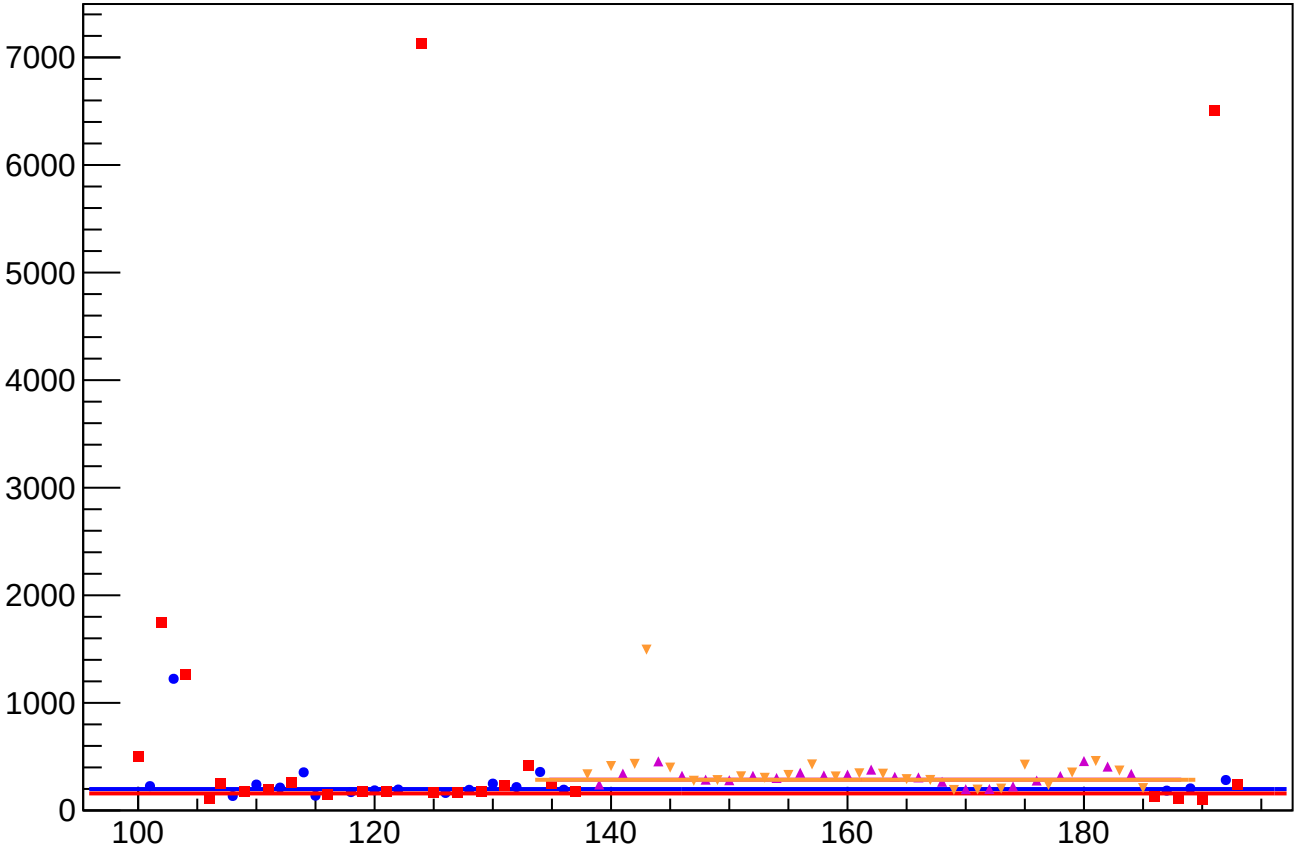
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.026+/-0.050 χ^2/NDF: 43.1/43

All: -0.006+/-0.033 χ^2/NDF: 102.9/90

- sign 0.010+/-0.045 χ^2/NDF: 59.6/46

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

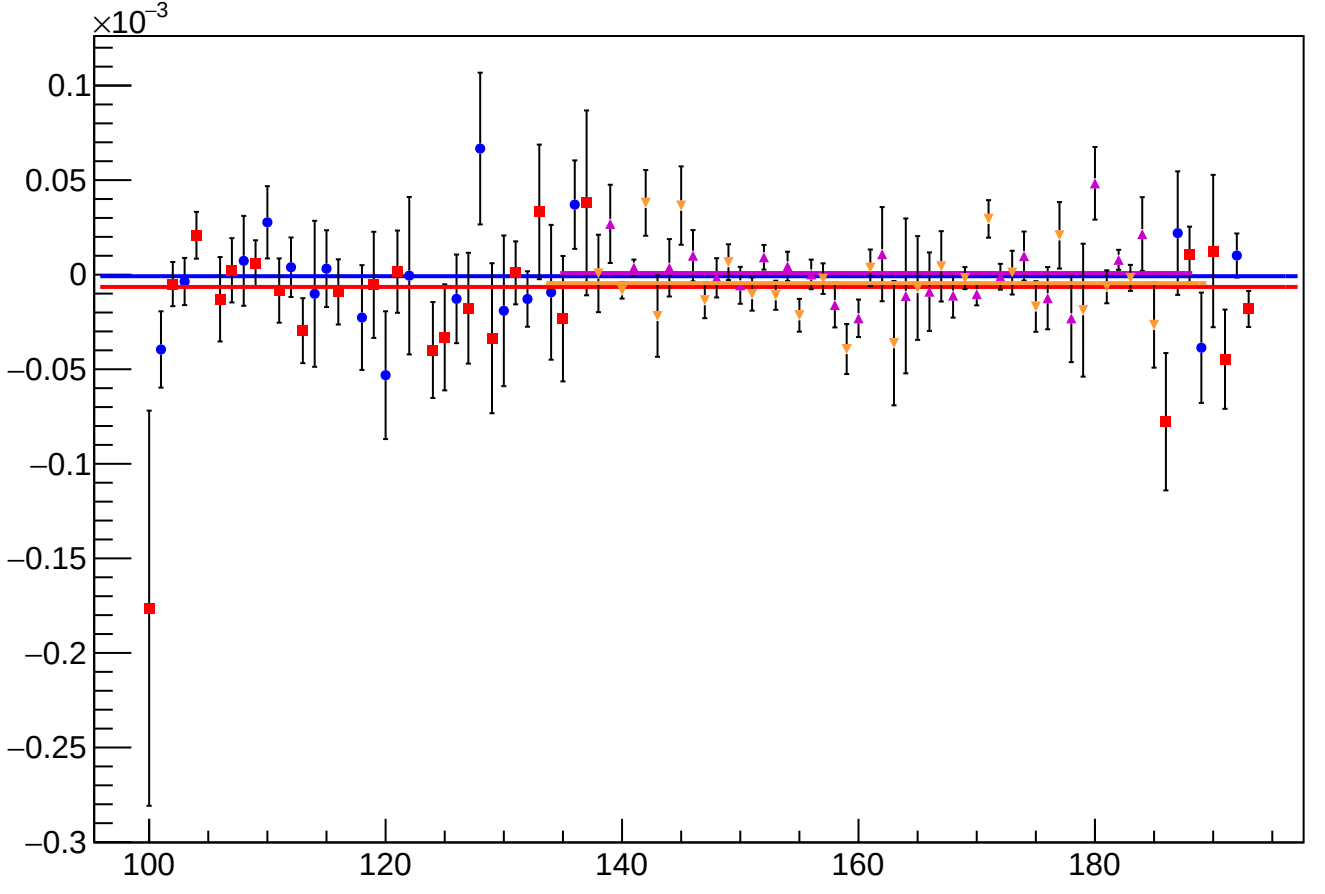
Right Out: 158.302+/-0.041 χ^2/NDF: 3806901.6/23

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.387+/-0.035 χ^2/NDF: 6461881.7/43

All: 224.902+/-0.024 χ^2/NDF: 16401587.6/90

- sign 210.099+/-0.032 χ^2/NDF: 9450191.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

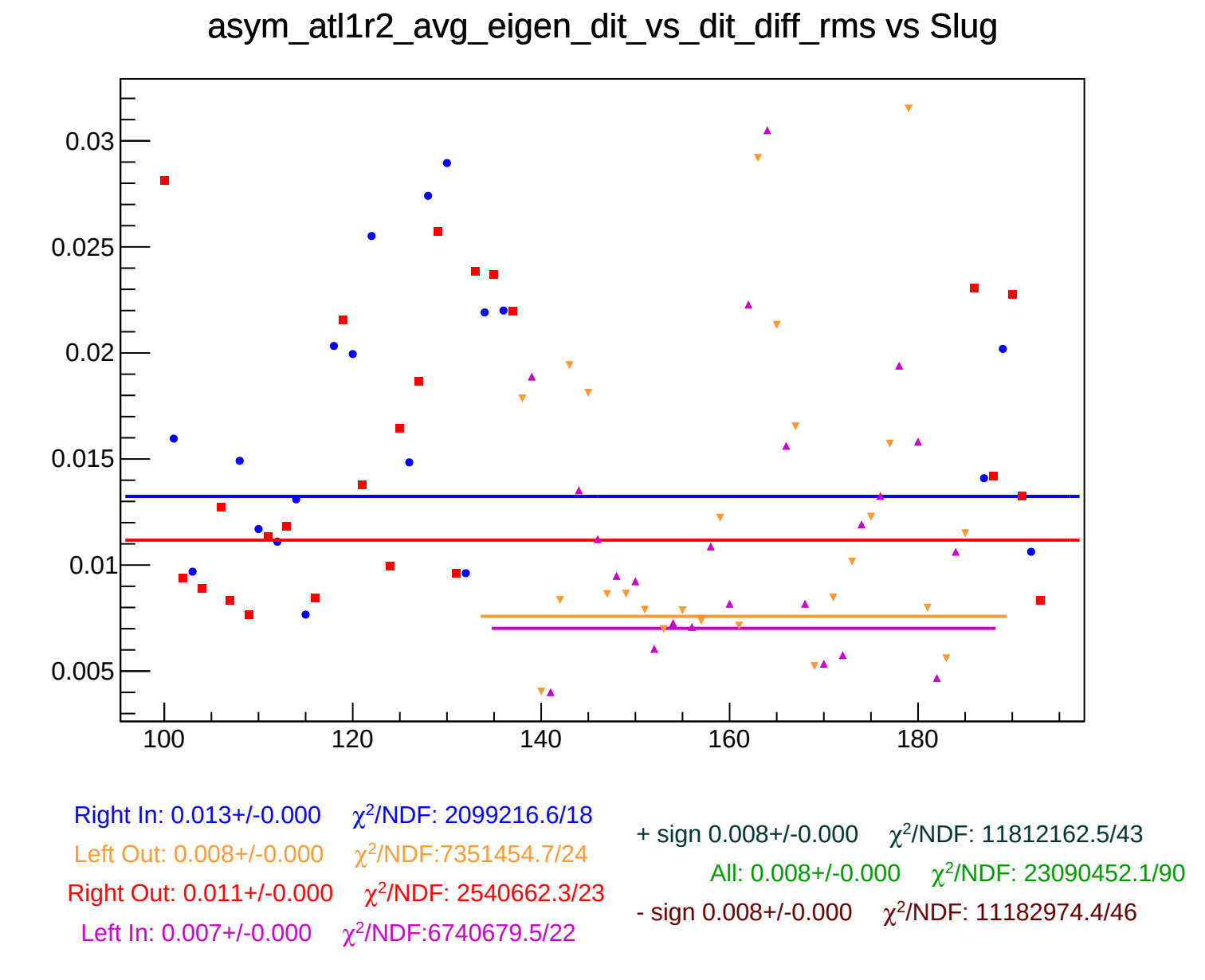
Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/23

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

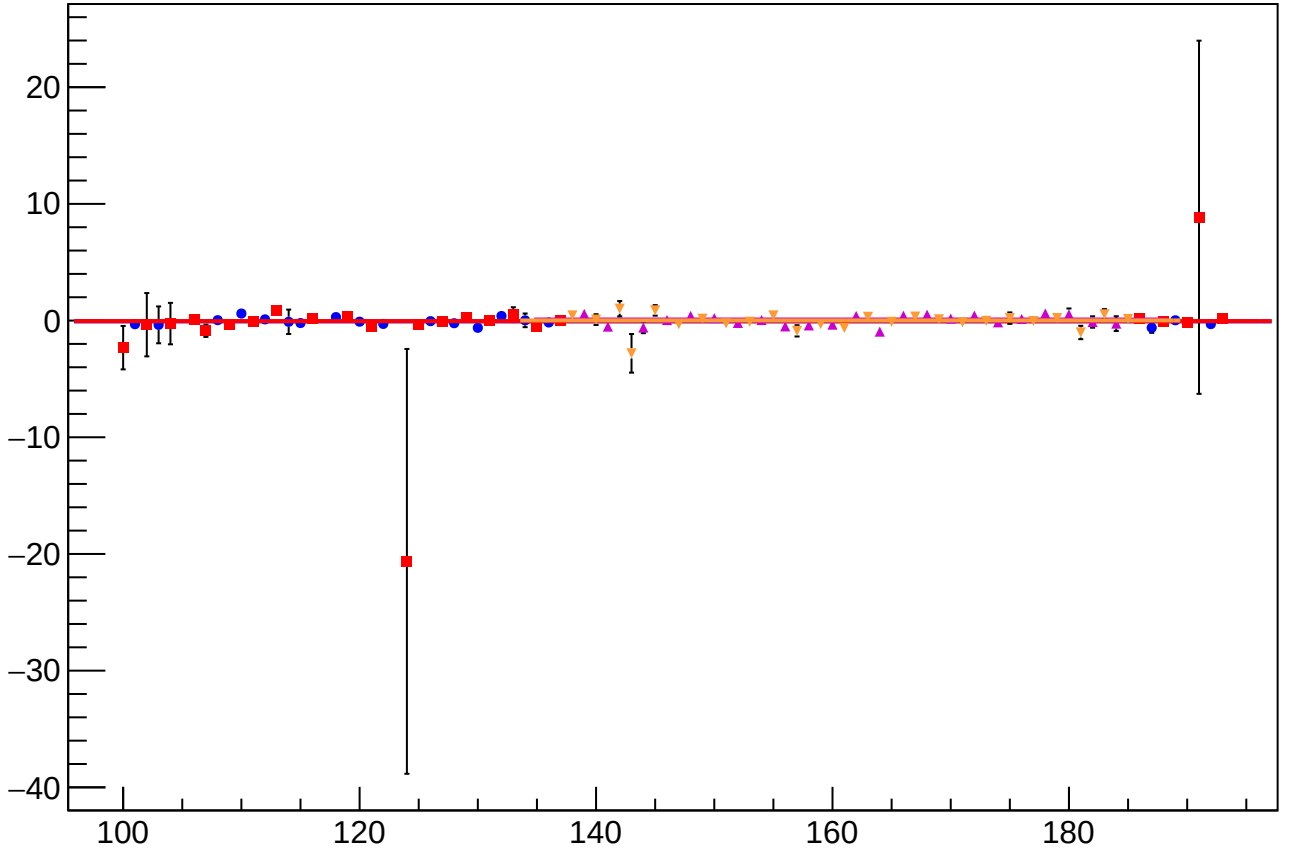
+ sign -0.000+/-0.000 χ^2/NDF: 63.4/43

All: -0.000+/-0.000 χ^2/NDF: 122.9/90

- sign -0.000+/-0.000 χ^2/NDF: 57.7/46


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: 0.011+/-0.000 χ²/NDF: 2540662.3/23
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: 23090452.1/90
- sign 0.008+/-0.000 χ²/NDF: 11182974.4/46

asym_atl1r2_avg_eigen_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: -0.046+/-0.058 χ^2/NDF: 26.4/23

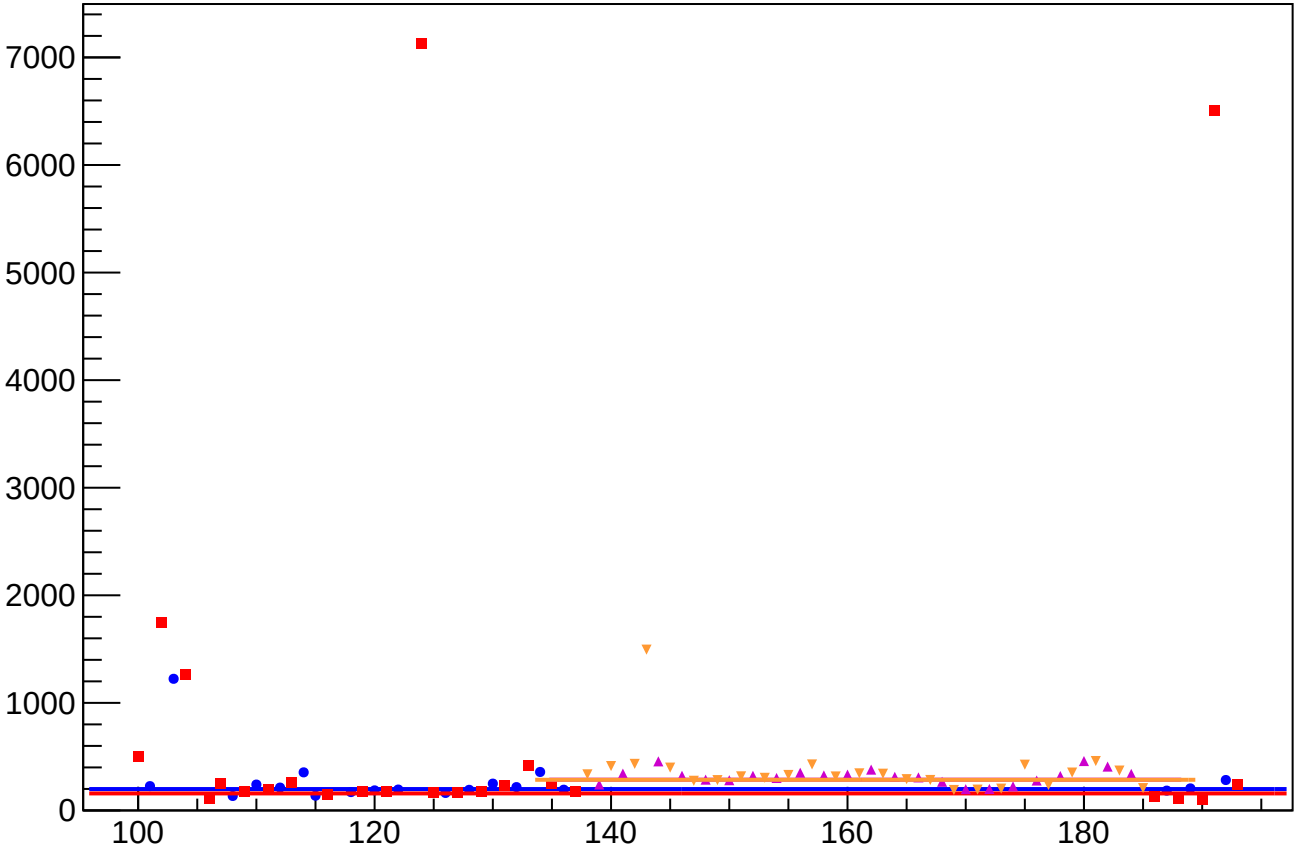
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.026+/-0.050 χ^2/NDF: 43.1/43

All: -0.006+/-0.033 χ^2/NDF: 102.9/90

- sign 0.010+/-0.045 χ^2/NDF: 59.6/46

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 199.032+/-0.051 χ^2/NDF: 1585338.3/18

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

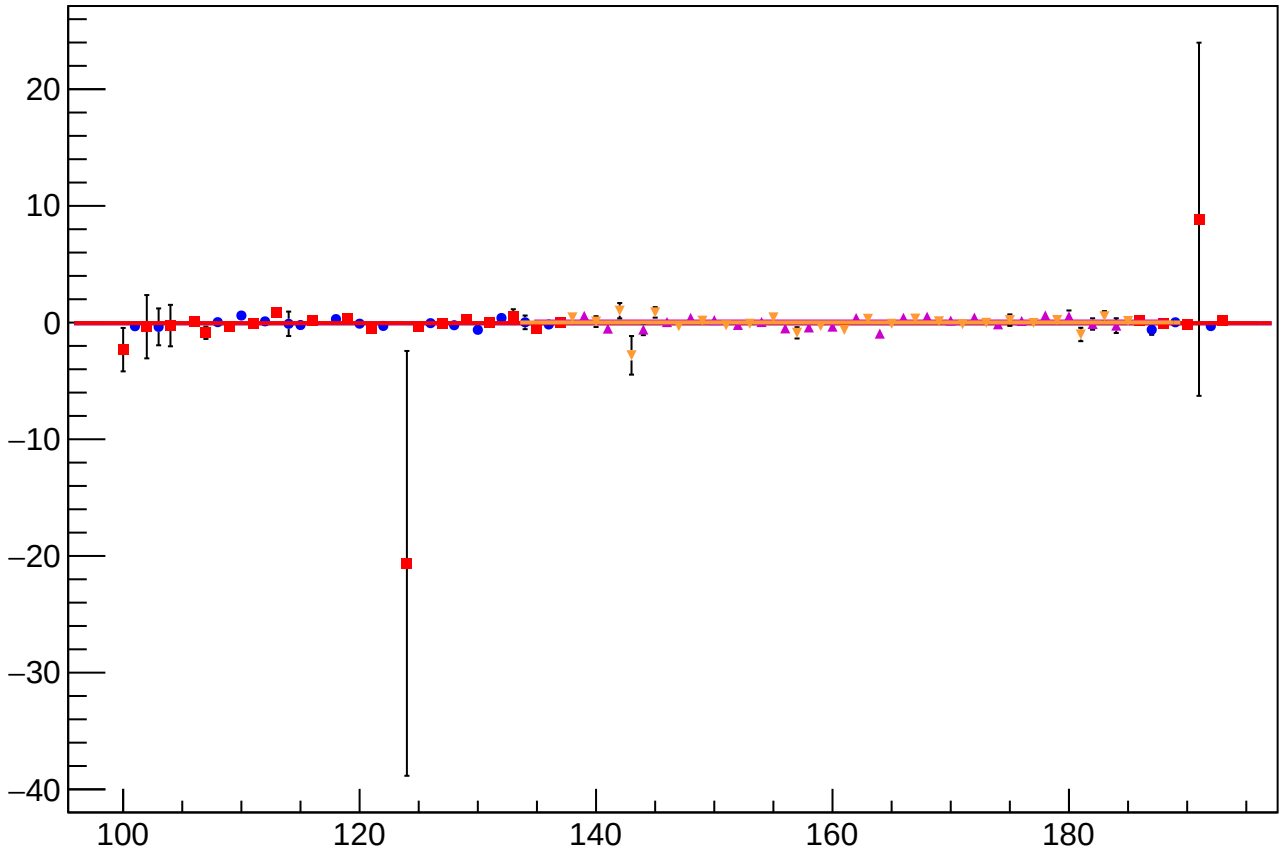
Right Out: 158.299+/-0.041 χ^2/NDF: 3806983.5/23

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.387+/-0.035 χ^2/NDF: 6462048.6/43

All: 224.901+/-0.024 χ^2/NDF: 16402264.7/90

- sign 210.097+/-0.032 χ^2/NDF: 9450638.3/46



Right In: -0.068+/-0.072 χ^2/NDF: 14.1/18

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

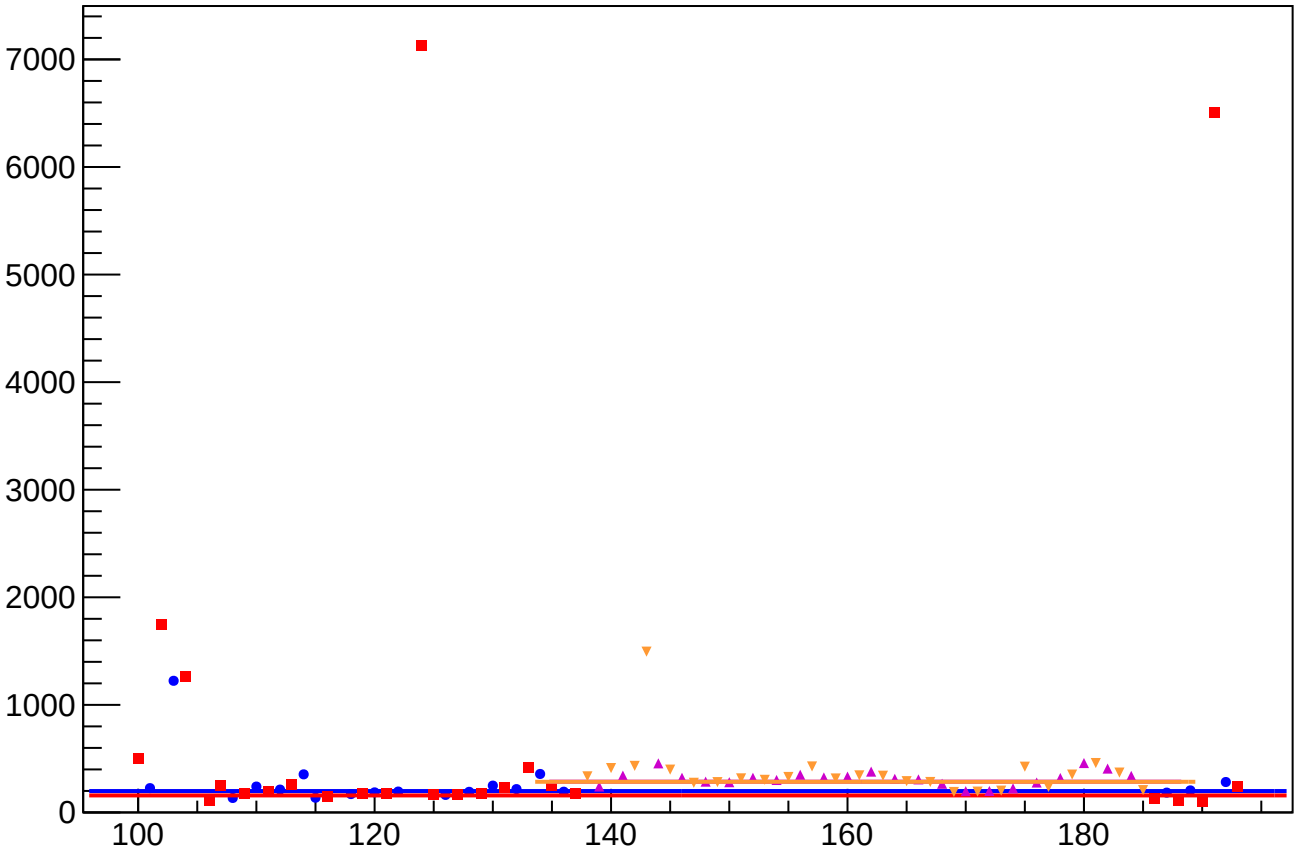
Right Out: -0.046+/-0.058 χ^2/NDF: 26.4/23

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.026+/-0.050 χ^2/NDF: 43.1/43

All: -0.006+/-0.033 χ^2/NDF: 102.9/90

- sign 0.010+/-0.045 χ^2/NDF: 59.6/46



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: 158.299+/-0.041 χ^2/NDF: 3806983.5/23

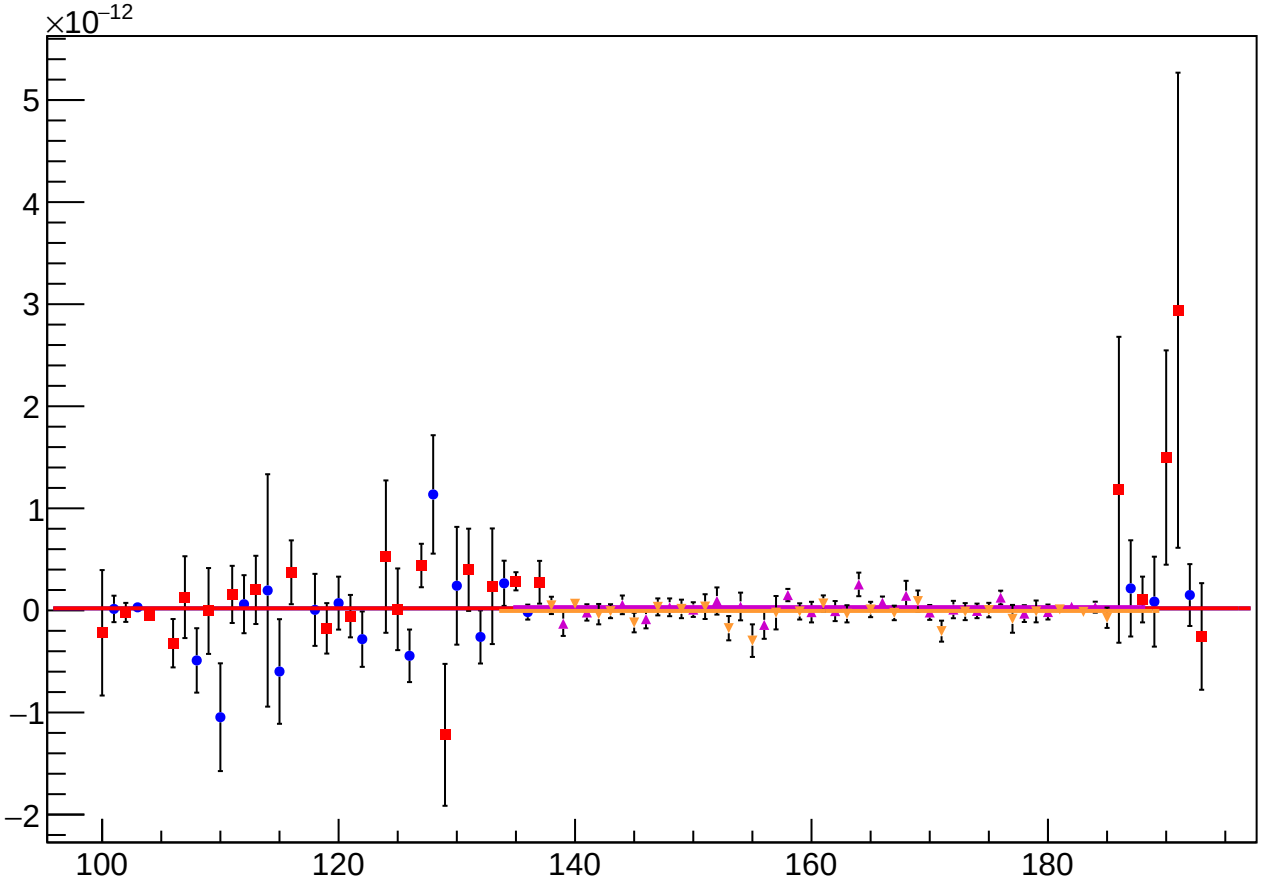
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.387+/-0.035 χ^2/NDF: 6462048.6/43

All: 224.901+/-0.024 χ^2/NDF: 16402264.7/90

- sign 210.097+/-0.032 χ^2/NDF: 9450638.3/46

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

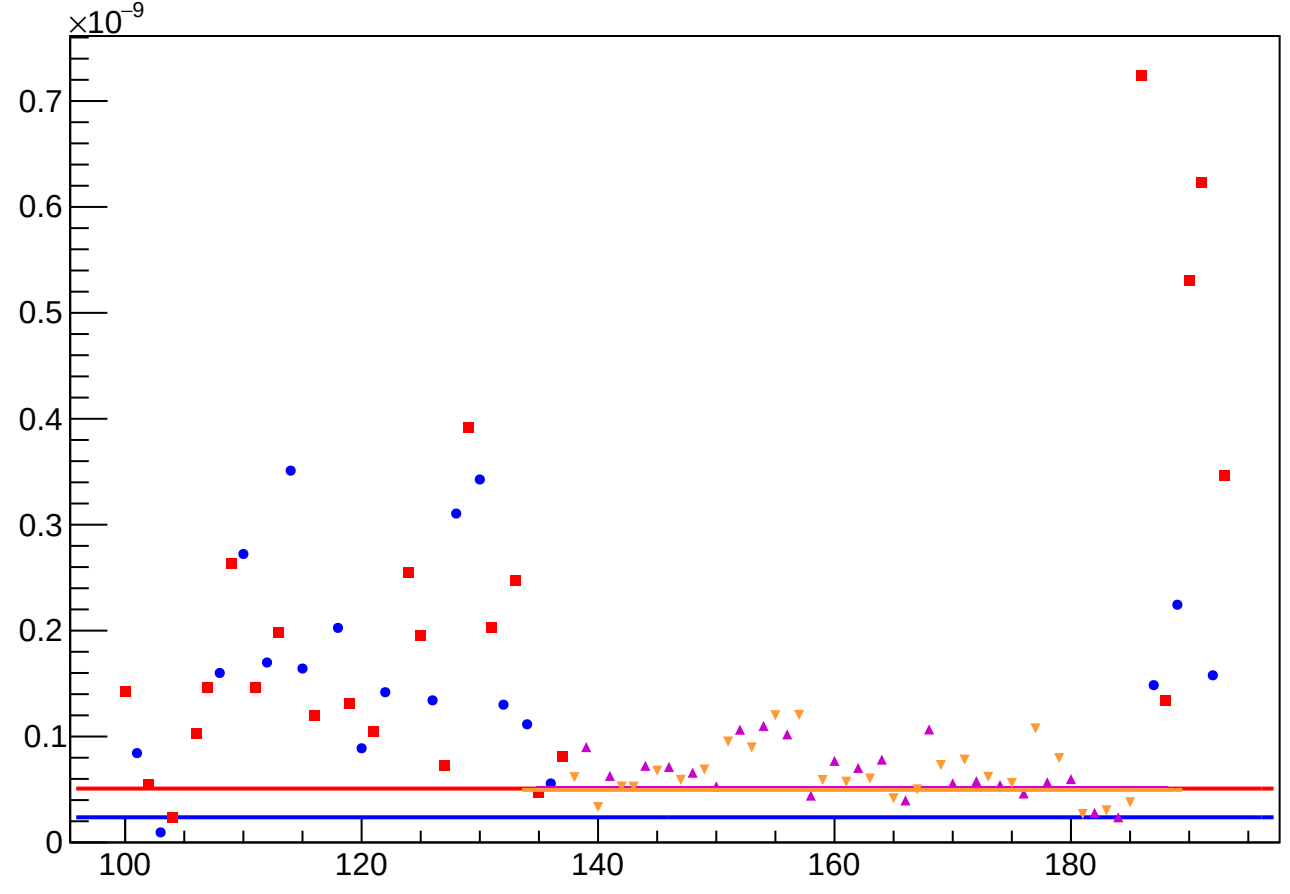
Right Out: 0.000+/-0.000 χ^2/NDF: 31.7/23

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: 89.9/90

- sign 0.000+/-0.000 χ^2/NDF: 50.6/46



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: 6117191.8/23

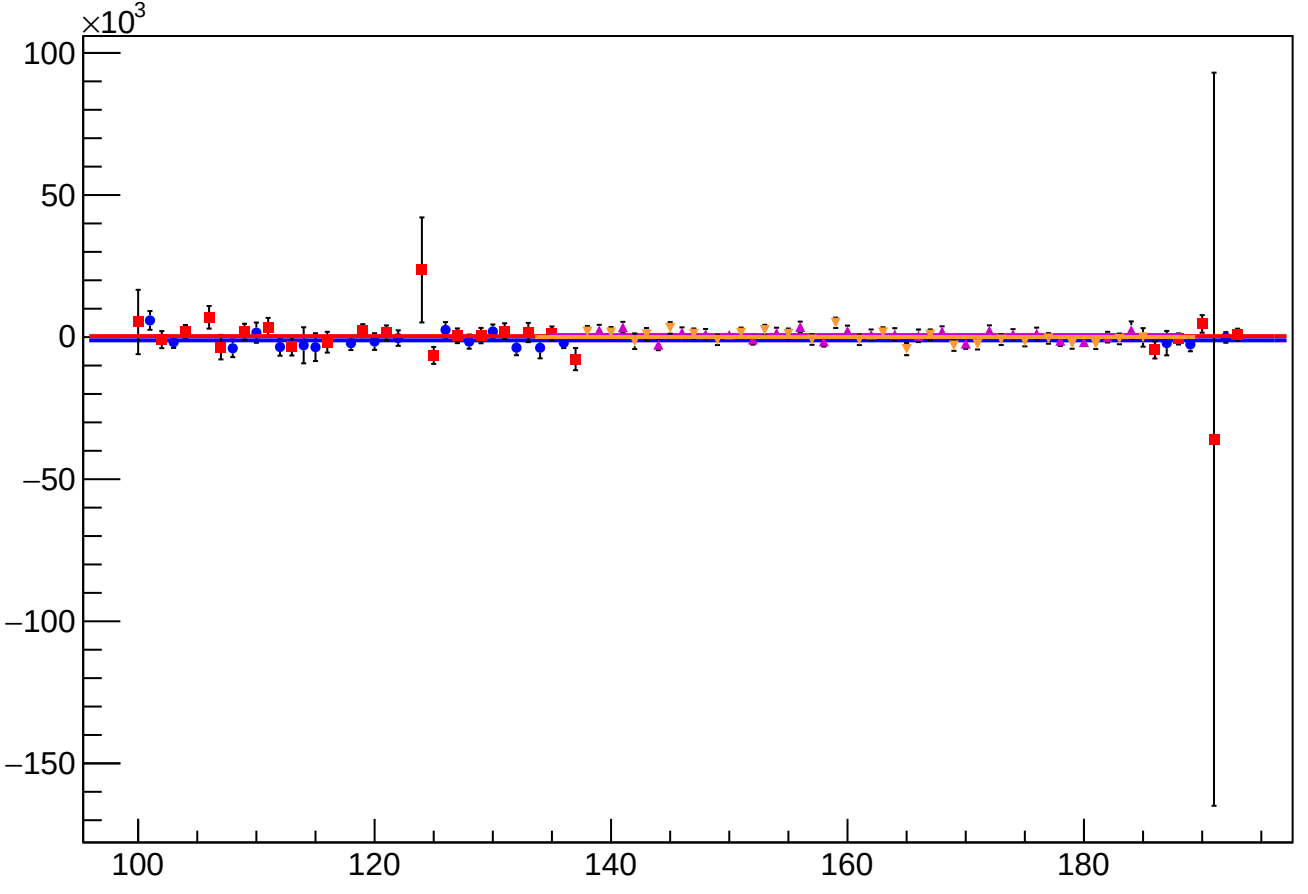
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13316105.2/43

All: 0.000+/-0.000 χ^2/NDF: 23764004.1/90

- sign 0.000+/-0.000 χ^2/NDF: 9777395.2/46

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: 349.629+/-607.453 χ^2/NDF: 25.0/23

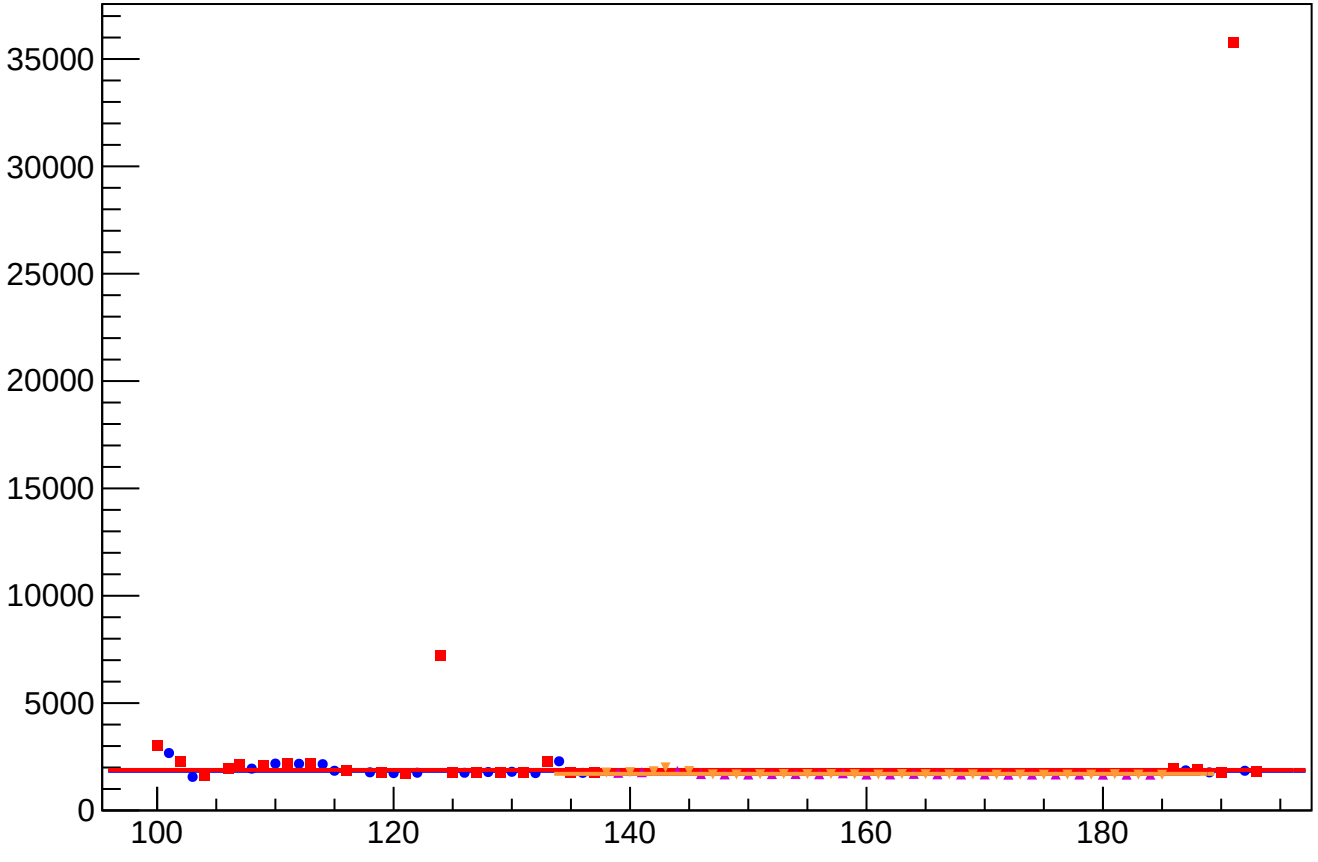
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

\+ sign -300.560+/-329.041 χ^2/NDF: 44.9/43

All: 150.159+/-233.706 χ^2/NDF: 93.0/90

\- sign 609.019+/-331.999 χ^2/NDF: 44.3/46

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: 1886.036+/-0.429 χ^2/NDF: 509574.2/23

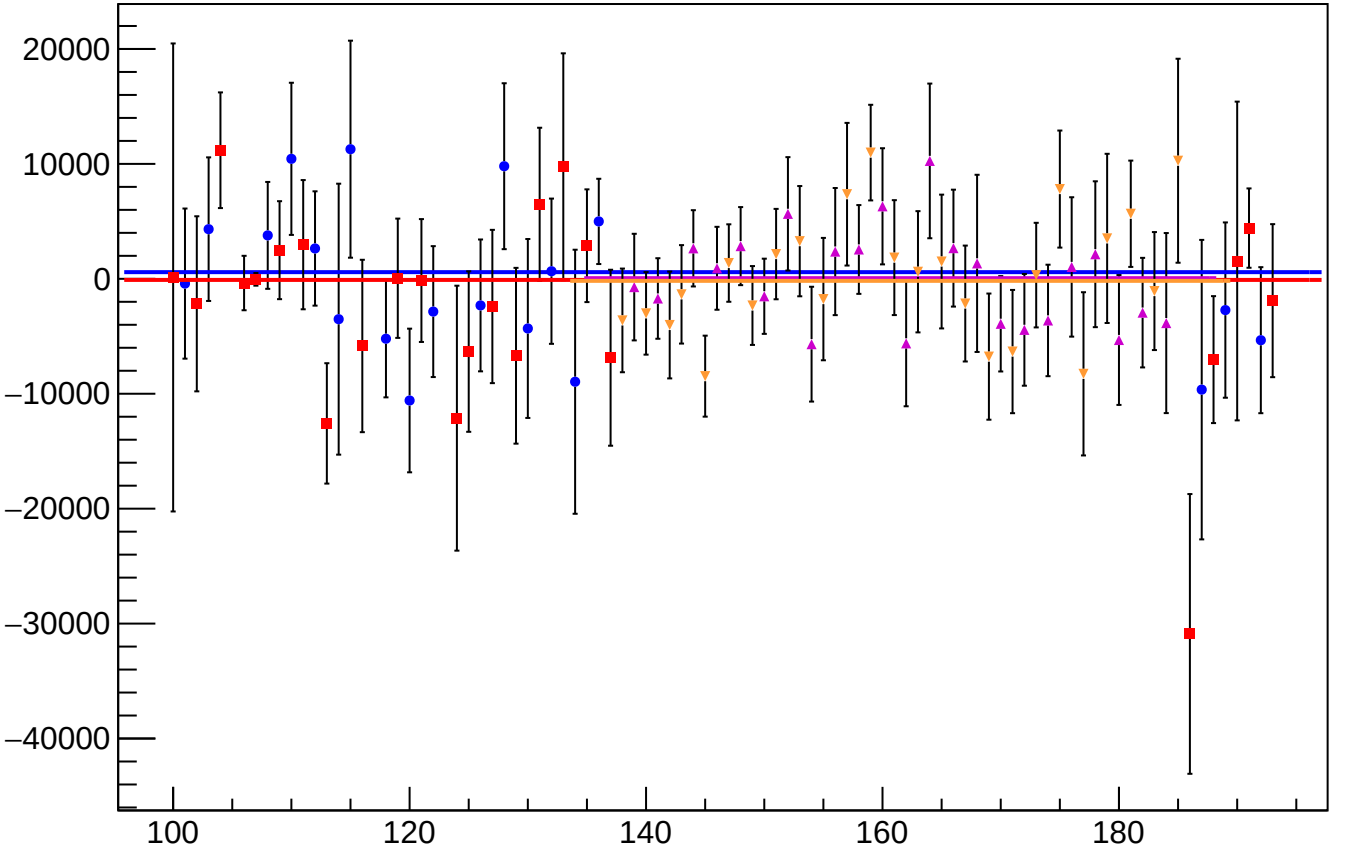
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1744.957+/-0.233 χ^2/NDF: 395338.8/43

All: 1749.422+/-0.165 χ^2/NDF: 1062218.6/90

- sign 1753.963+/-0.235 χ^2/NDF: 666136.9/46

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: -95.412+/-496.189 χ^2/NDF: 27.7/23

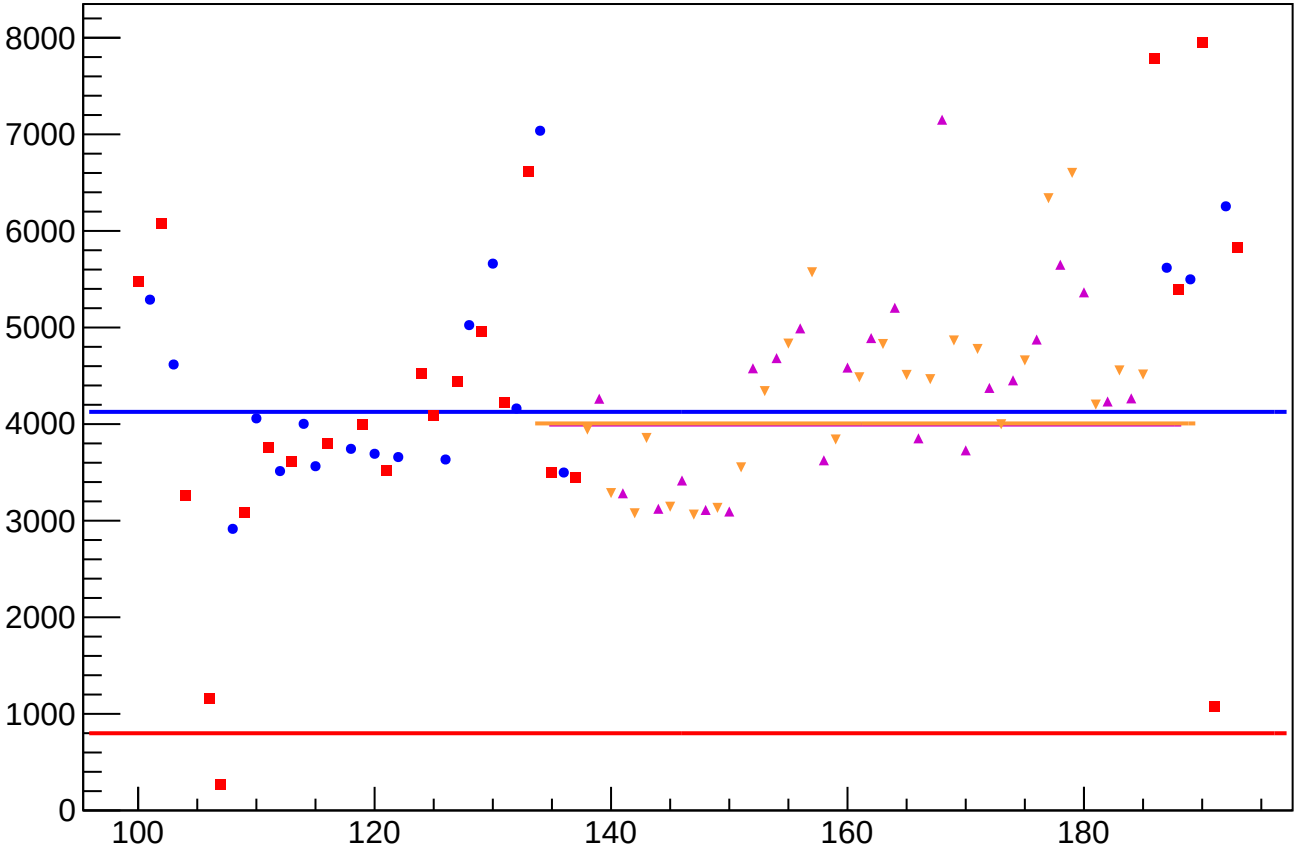
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 51.446+/-782.166 χ^2/NDF: 43.7/43

All: -35.603+/-383.778 χ^2/NDF: 85.7/90

- sign -63.205+/-440.440 χ^2/NDF: 42.0/46

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: 799.335+/-0.351 χ^2/NDF: 14414314.0/23

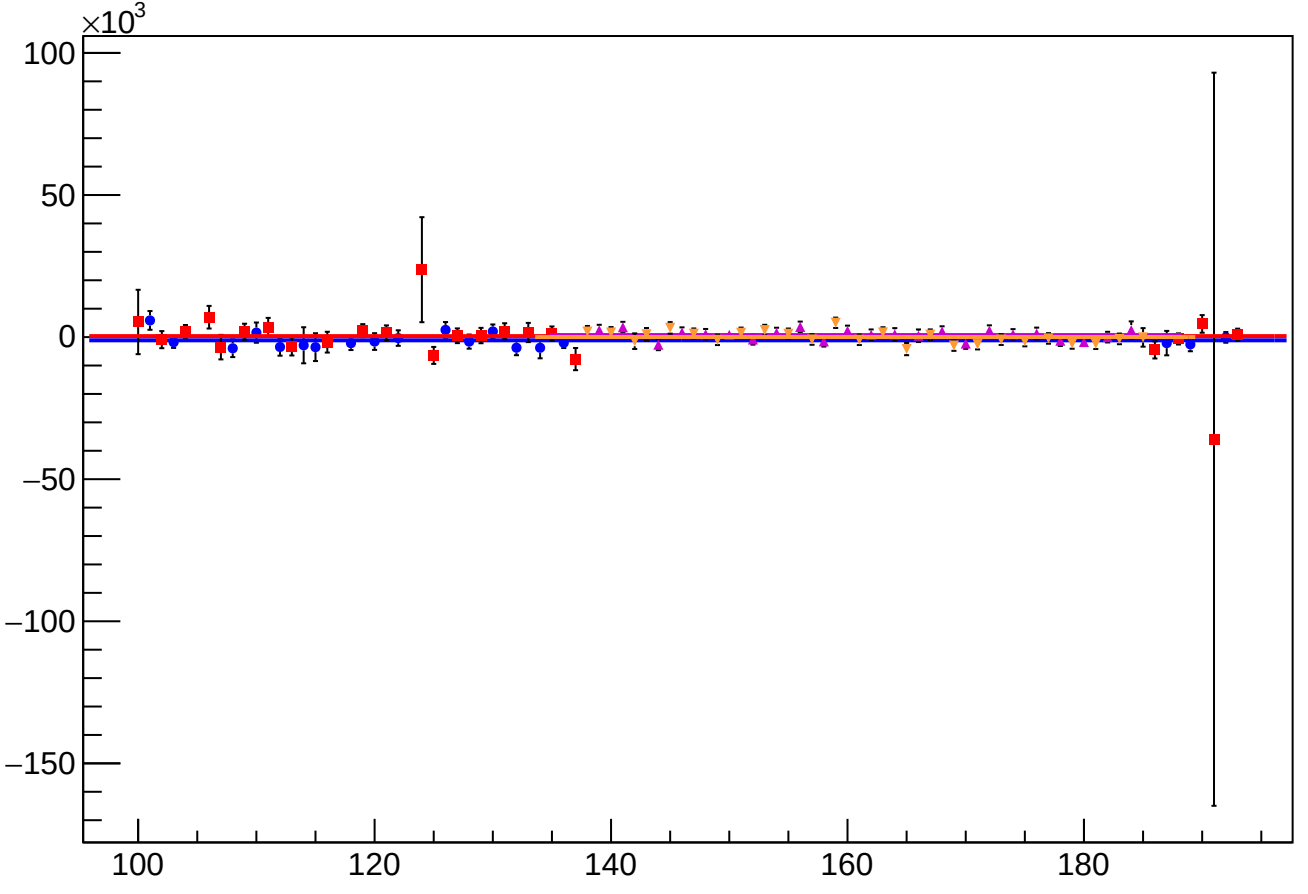
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4042.968+/-0.553 χ^2/NDF: 2421687.2/43

All: 2094.808+/-0.271 χ^2/NDF: 52309469.8/9

- sign 1477.075+/-0.311 χ^2/NDF: 33546134.7/46

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: 349.925+/-607.454 χ^2/NDF: 25.0/23

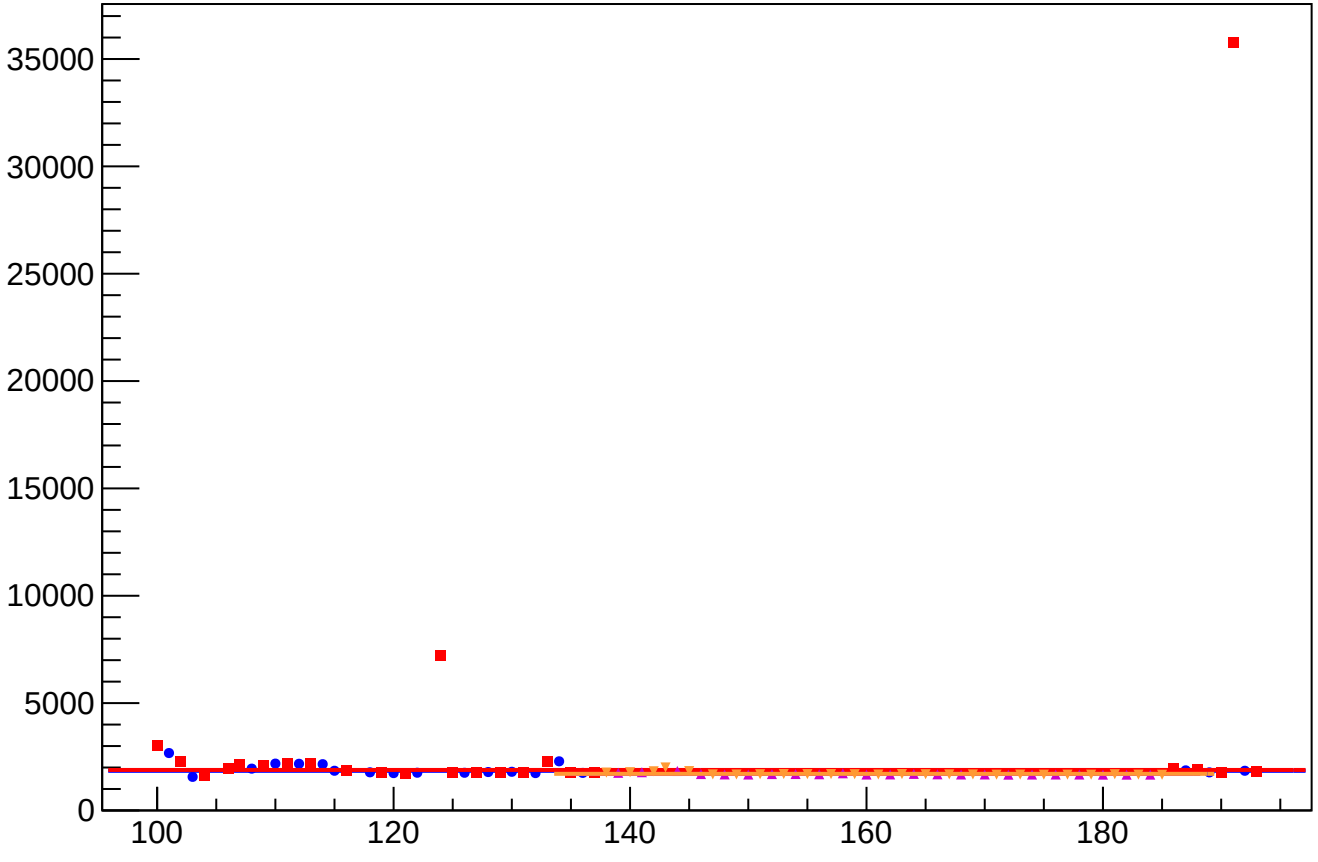
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -300.416+/-329.041 χ^2/NDF: 44.9/43

All: 150.233+/-233.706 χ^2/NDF: 93.0/90

- sign 609.021+/-331.999 χ^2/NDF: 44.3/46

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

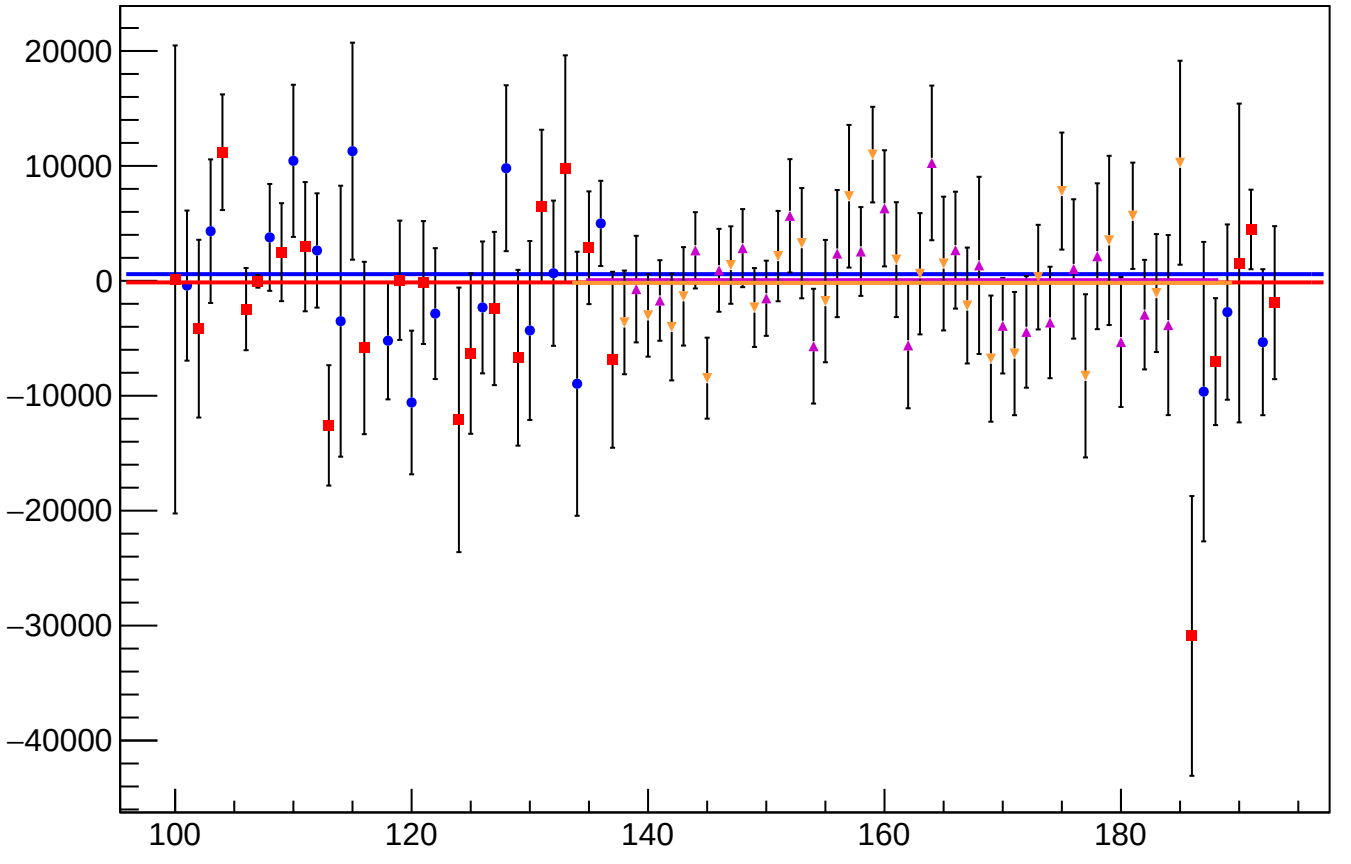
Right Out: 1886.374+/-0.429 χ^2/NDF: 509807.0/23

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1744.957+/-0.233 χ^2/NDF: 395338.3/43

All: 1749.465+/-0.165 χ^2/NDF: 1062920.1/90

- sign 1754.051+/-0.235 χ^2/NDF: 666824.4/46



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: -136.972+/-502.447 χ^2/NDF: 28.4/23

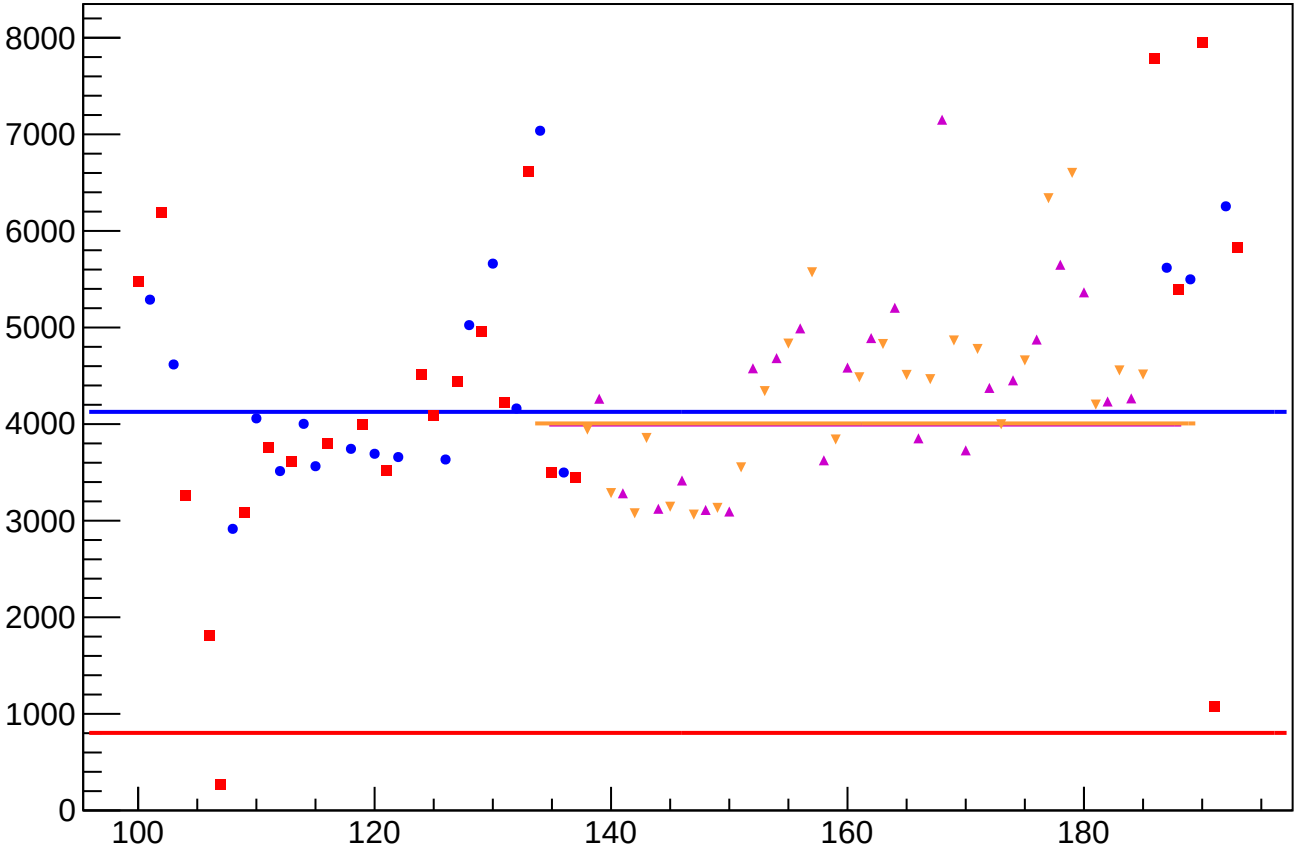
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 51.455+/-782.166 χ^2/NDF: 43.7/43

All: -59.325+/-386.652 χ^2/NDF: 86.4/90

- sign -95.150+/-444.800 χ^2/NDF: 42.7/46

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: 802.977+/-0.355 χ^2/NDF: 14539516.5/23

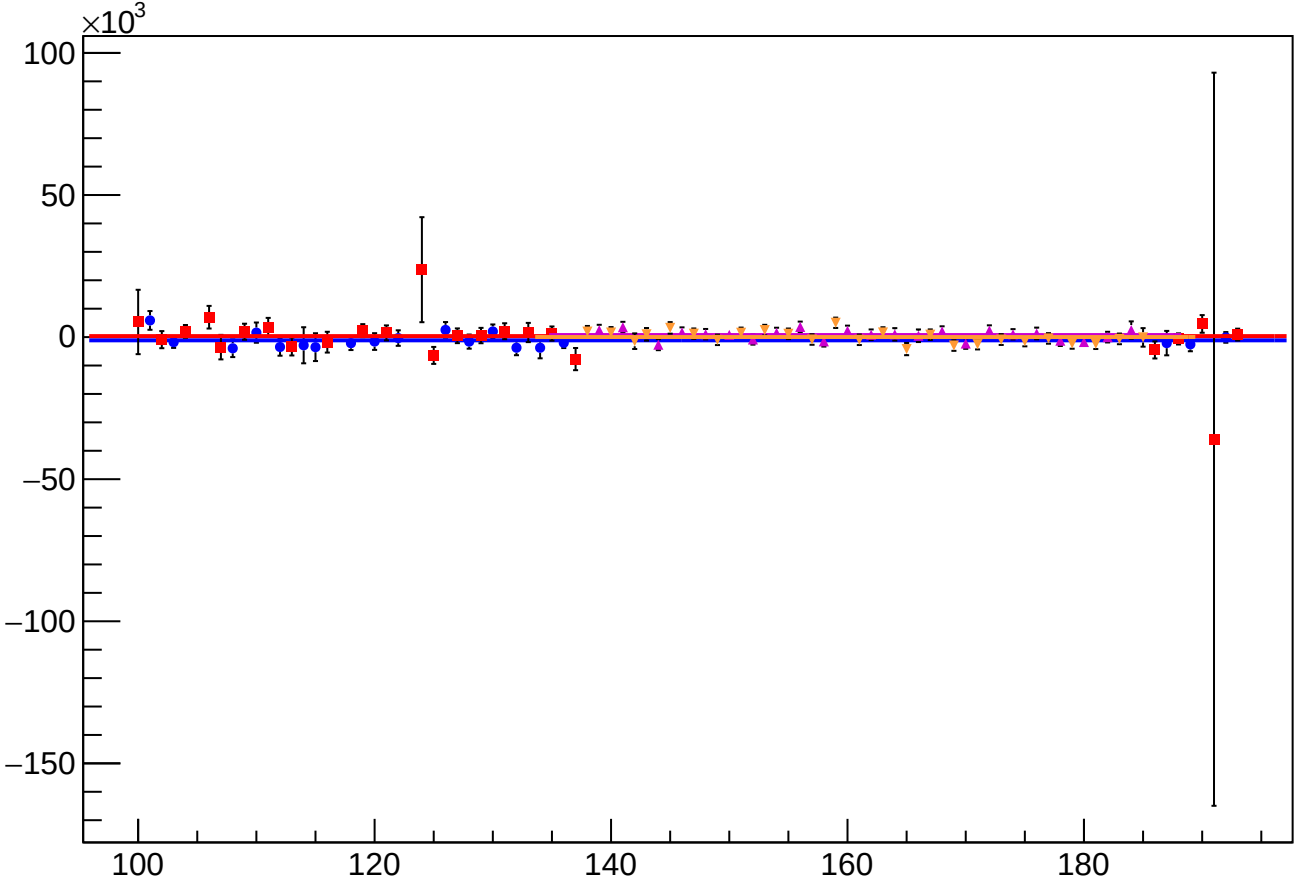
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4042.965+/-0.553 χ^2/NDF: 2421734.3/43

All: 2116.440+/-0.273 χ^2/NDF: 52016233.8/9

- sign 1493.413+/-0.315 χ^2/NDF: 33537239.5/46

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: 349.925+/-607.454 χ^2/NDF: 25.0/23

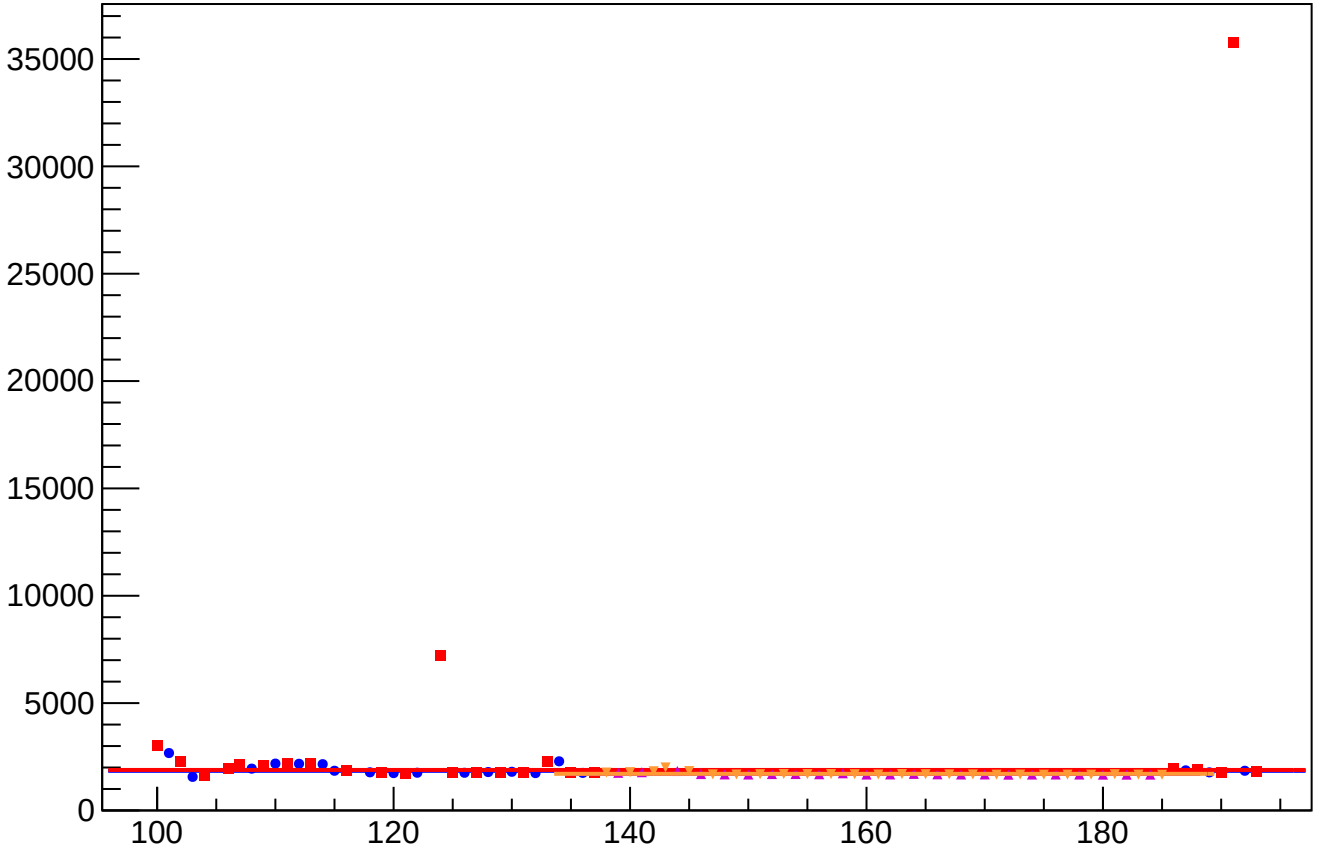
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -300.416+/-329.041 χ^2/NDF: 44.9/43

All: 150.233+/-233.706 χ^2/NDF: 93.0/90

- sign 609.021+/-331.999 χ^2/NDF: 44.3/46

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

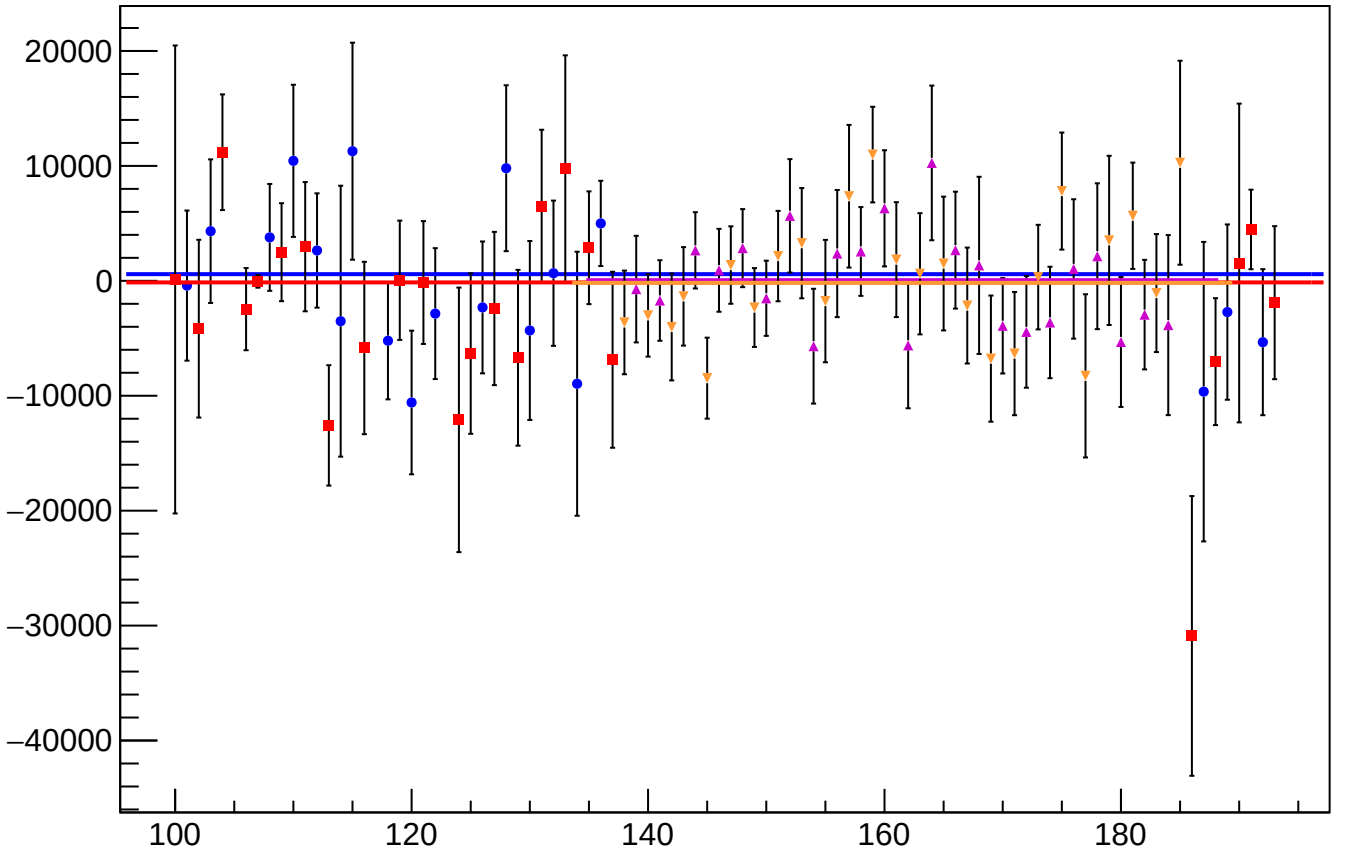
Right Out: 1886.374+/-0.429 χ^2/NDF: 509807.0/23

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1744.957+/-0.233 χ^2/NDF: 395338.3/43

All: 1749.465+/-0.165 χ^2/NDF: 1062920.1/90

- sign 1754.051+/-0.235 χ^2/NDF: 666824.4/46



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: -136.972+/-502.447 χ^2/NDF: 28.4/23

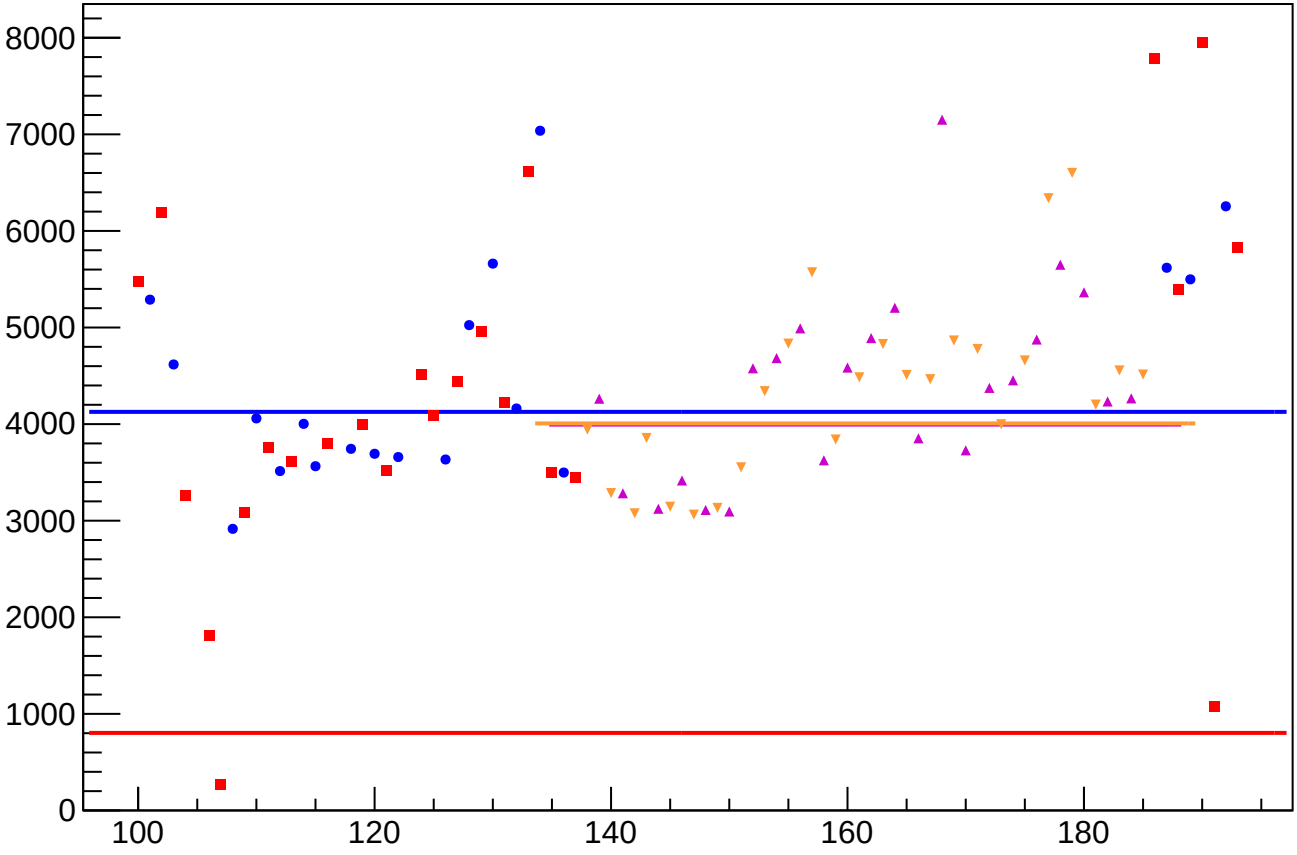
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 51.455+/-782.166 χ^2/NDF: 43.7/43

All: -59.325+/-386.652 χ^2/NDF: 86.4/90

- sign -95.150+/-444.800 χ^2/NDF: 42.7/46

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

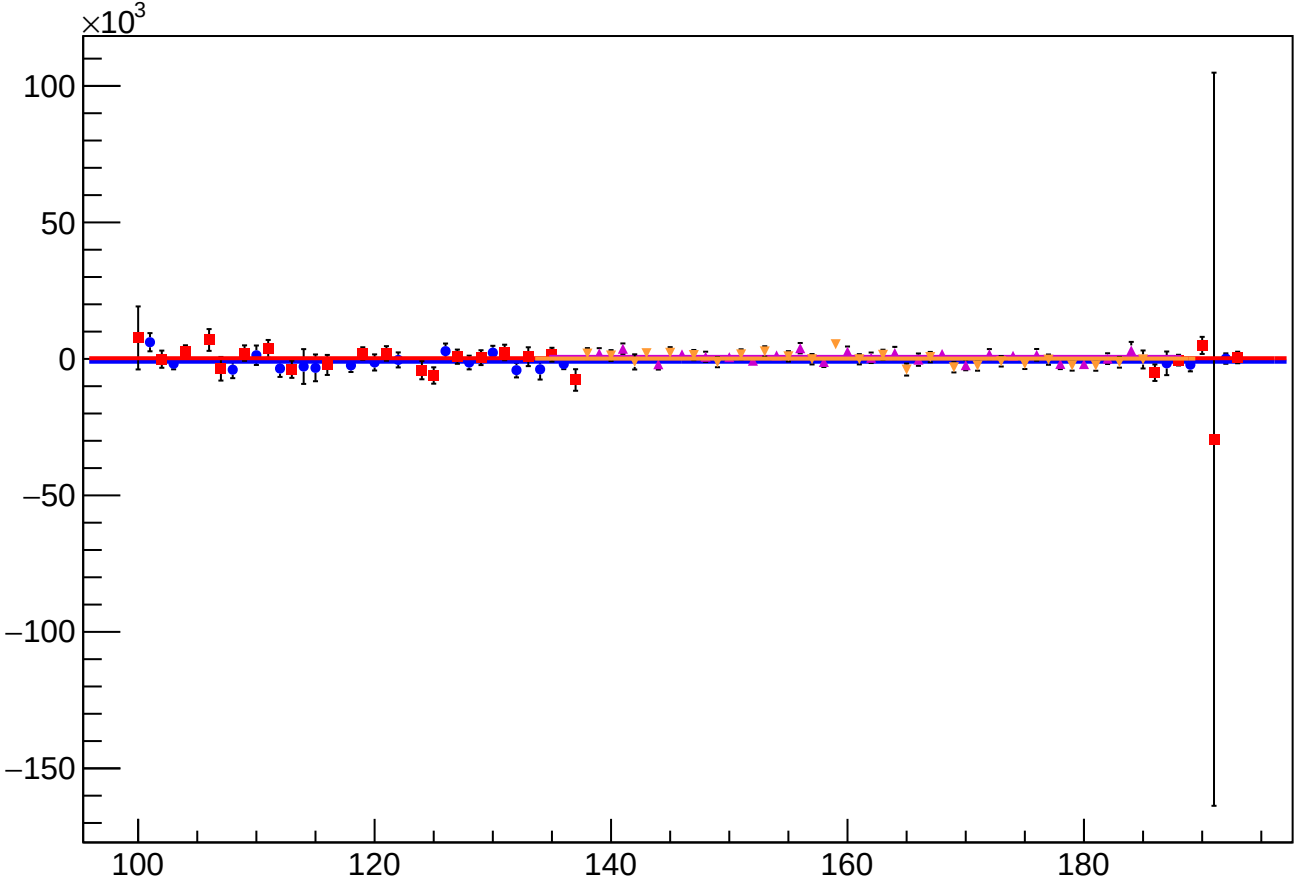
Right Out: 802.977+/-0.355 χ^2/NDF: 14539516.5/23

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4042.965+/-0.553 χ^2/NDF: 2421734.3/43

All: 2116.440+/-0.273 χ^2/NDF: 52016233.8/9

- sign 1493.413+/-0.315 χ^2/NDF: 33537239.5/46



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: 249.348+/-604.398 χ^2/NDF: 26.4/23

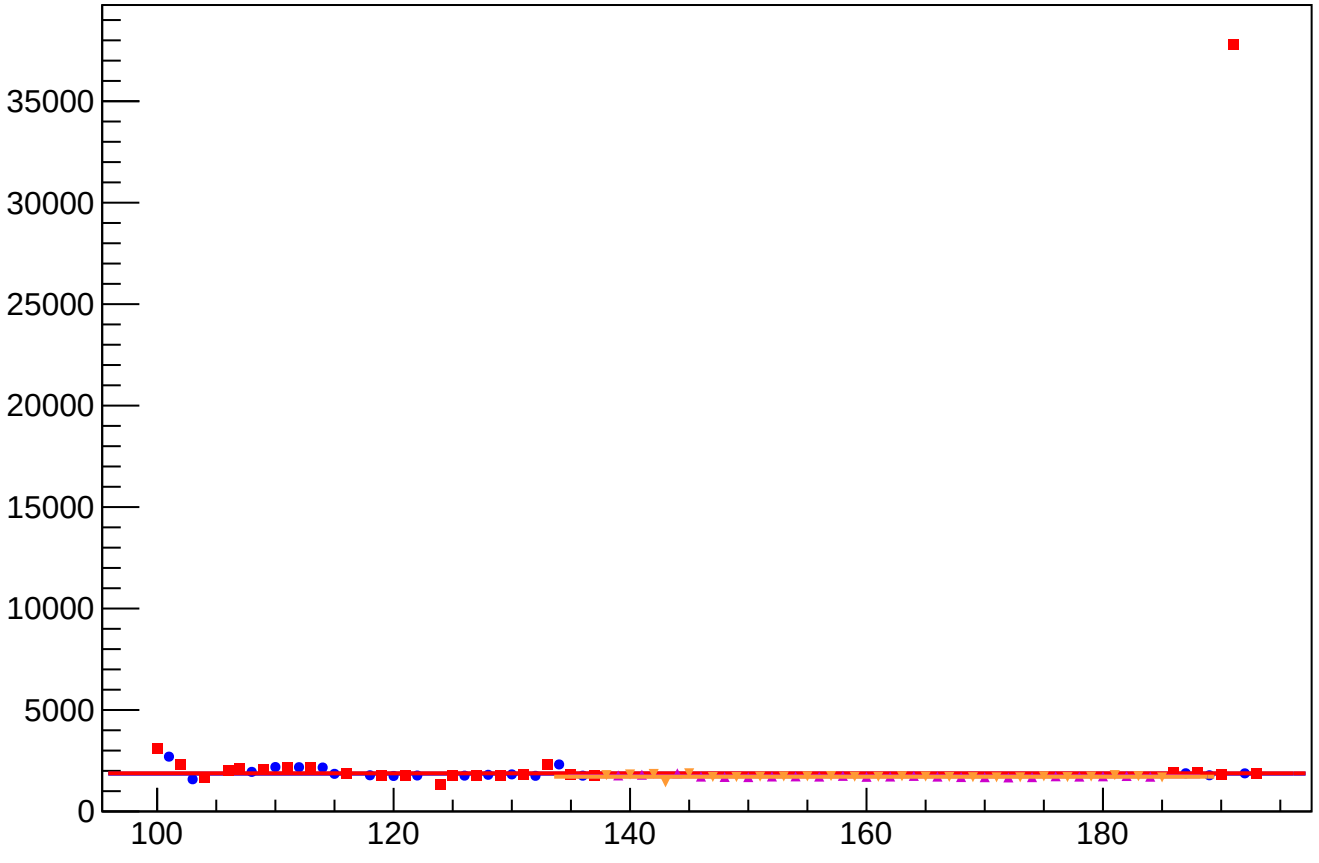
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -201.171+/-330.915 χ^2/NDF: 45.9/43

All: 188.036+/-235.758 χ^2/NDF: 94.6/90

- sign 589.216+/-335.967 χ^2/NDF: 45.9/46

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: 1880.232+/-0.427 χ^2/NDF: 407962.8/23

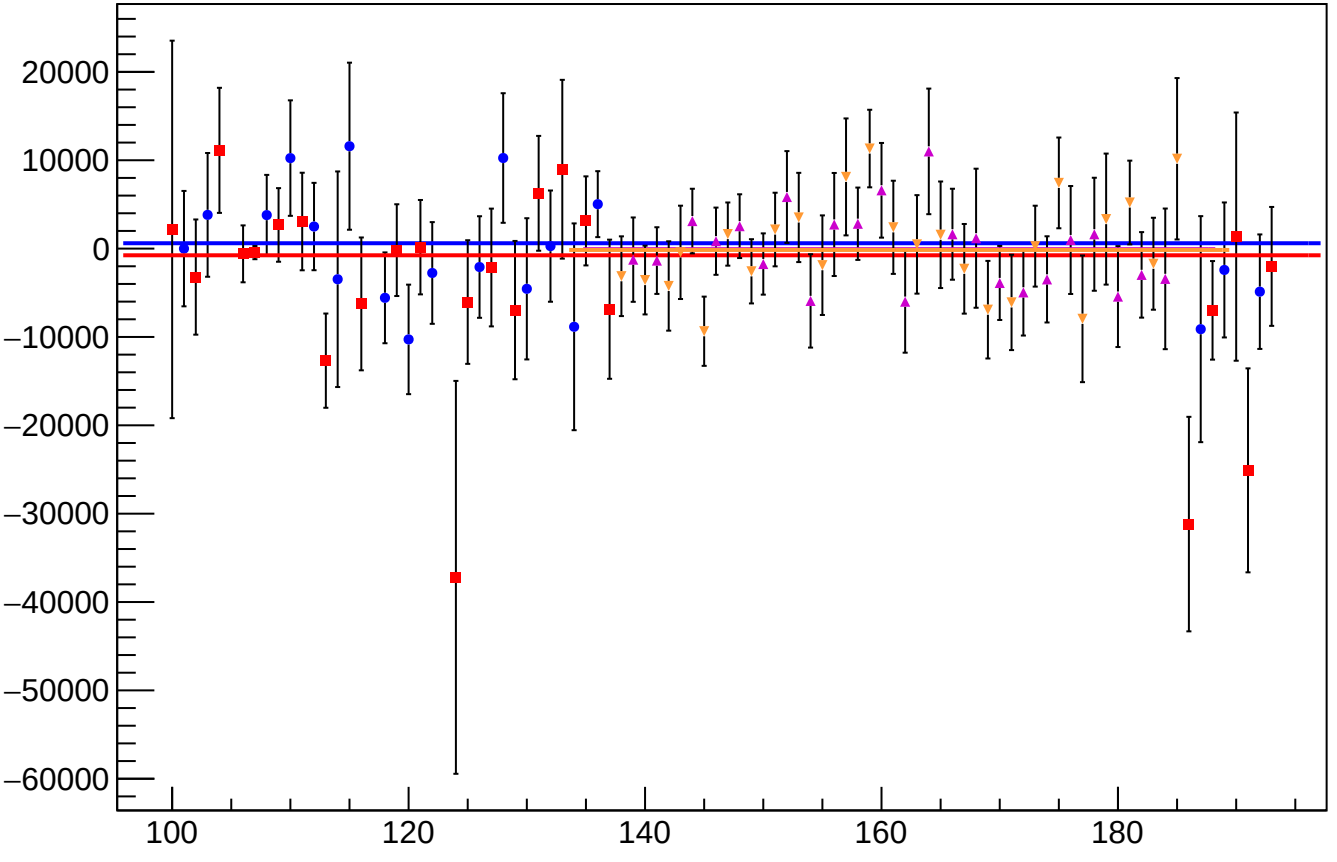
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1754.064+/-0.234 χ^2/NDF: 435664.9/43

All: 1765.211+/-0.167 χ^2/NDF: 956383.0/90

- sign 1776.696+/-0.238 χ^2/NDF: 516110.5/46

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: -755.904+/-648.249 χ^2/NDF: 29.1/23

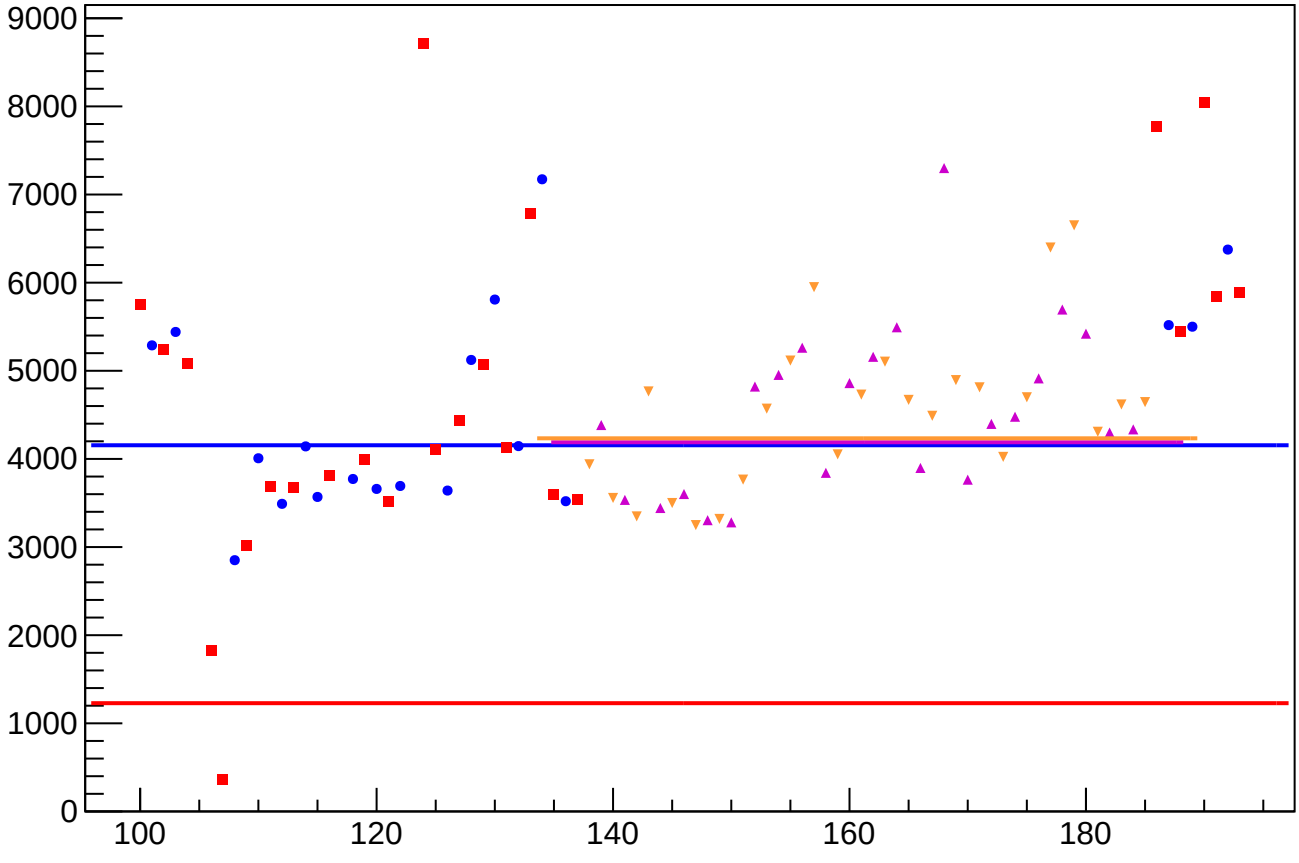
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 92.225+/-812.424 χ^2/NDF: 42.3/43

All: -352.276+/-452.006 χ^2/NDF: 86.2/90

- sign -551.555+/-543.972 χ^2/NDF: 43.5/46

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

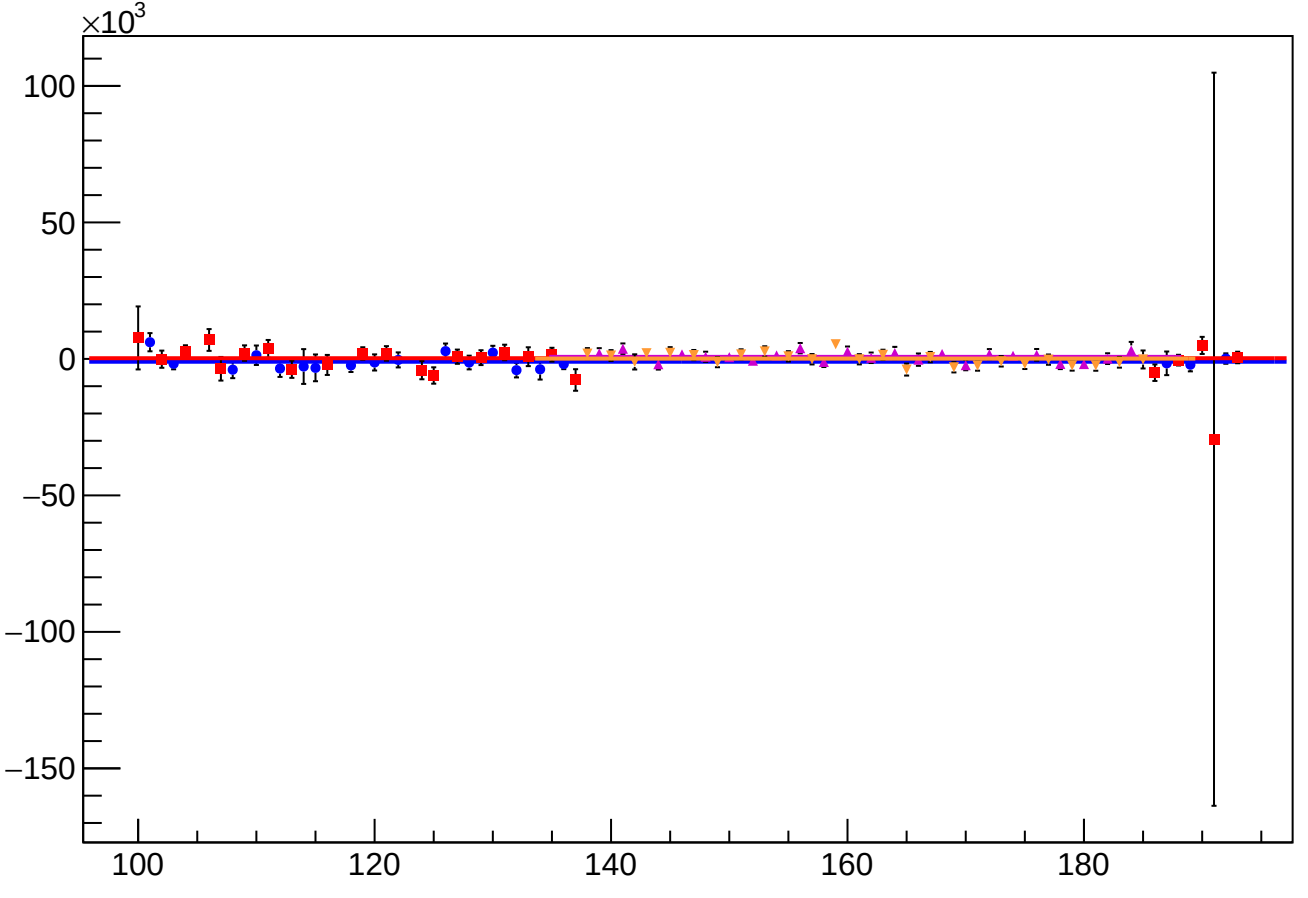
Right Out: 1228.555+/-0.458 χ^2/NDF: 13137078.5/23

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4208.703+/-0.574 χ^2/NDF: 2309245.2/43

All: 2755.738+/-0.320 χ^2/NDF: 38394917.4/9

- sign 2104.344+/-0.385 χ^2/NDF: 26820798.3/46



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: 249.354+/-604.398 χ^2/NDF: 26.4/23

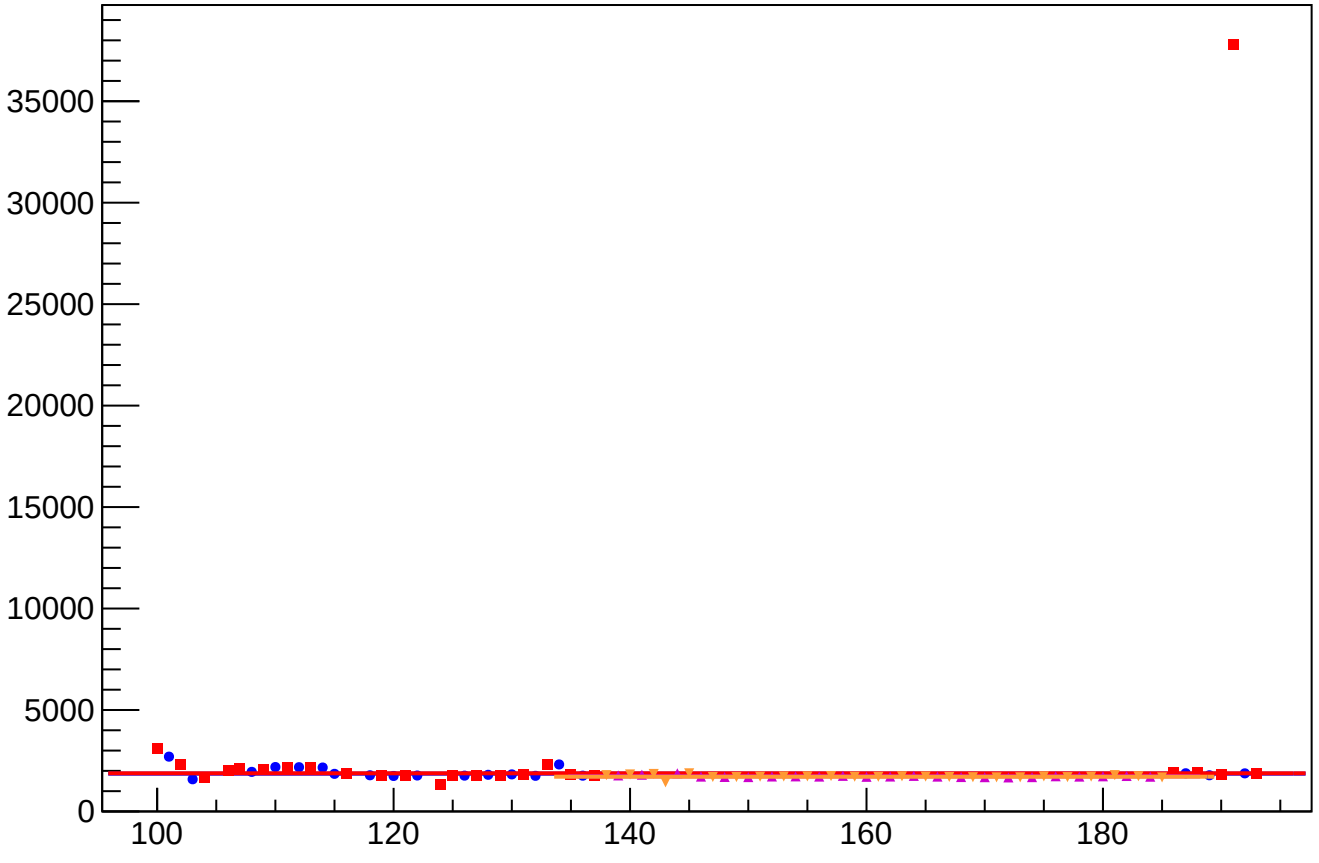
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -201.170+/-330.915 χ^2/NDF: 45.9/43

All: 188.037+/-235.758 χ^2/NDF: 94.6/90

- sign 589.217+/-335.967 χ^2/NDF: 45.9/46

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

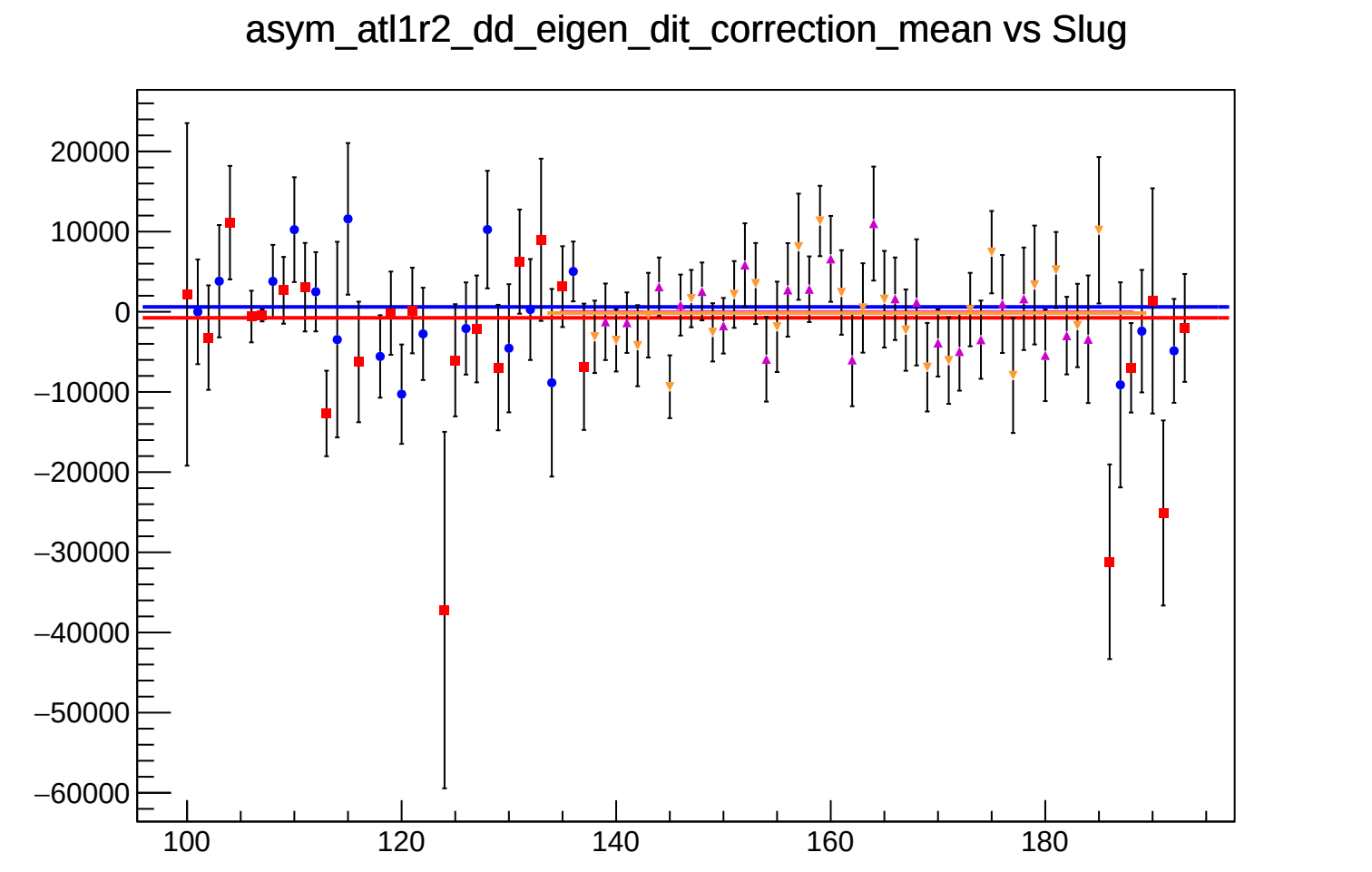
Right Out: 1880.232+/-0.427 χ^2/NDF: 407963.2/23

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1754.064+/-0.234 χ^2/NDF: 435662.9/43

All: 1765.211+/-0.167 χ^2/NDF: 956380.6/90

- sign 1776.697+/-0.238 χ^2/NDF: 516110.1/46



Right In: 608.030+/-1436.870 χ^2/NDF: 15.2/18

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

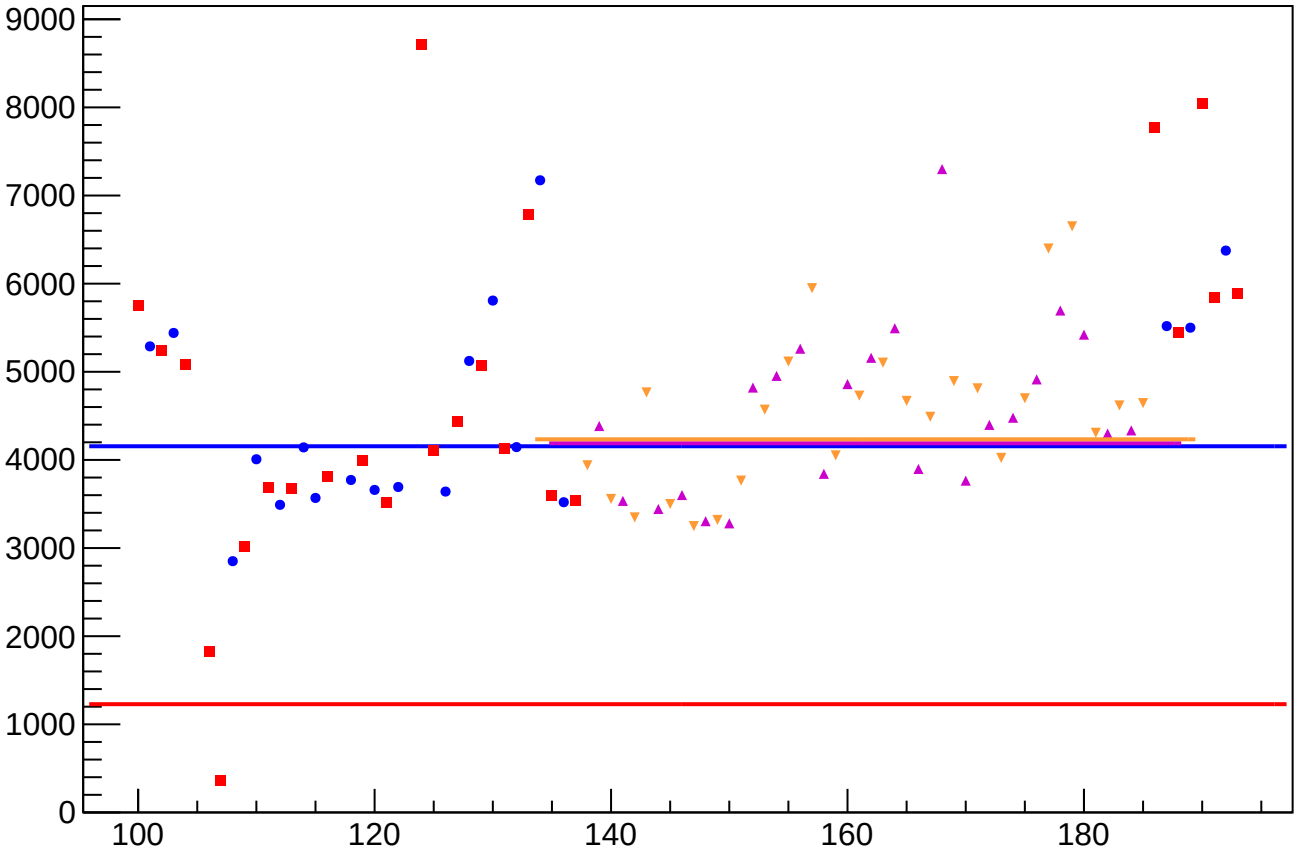
Right Out: -755.920+/-648.260 χ^2/NDF: 29.1/23

Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

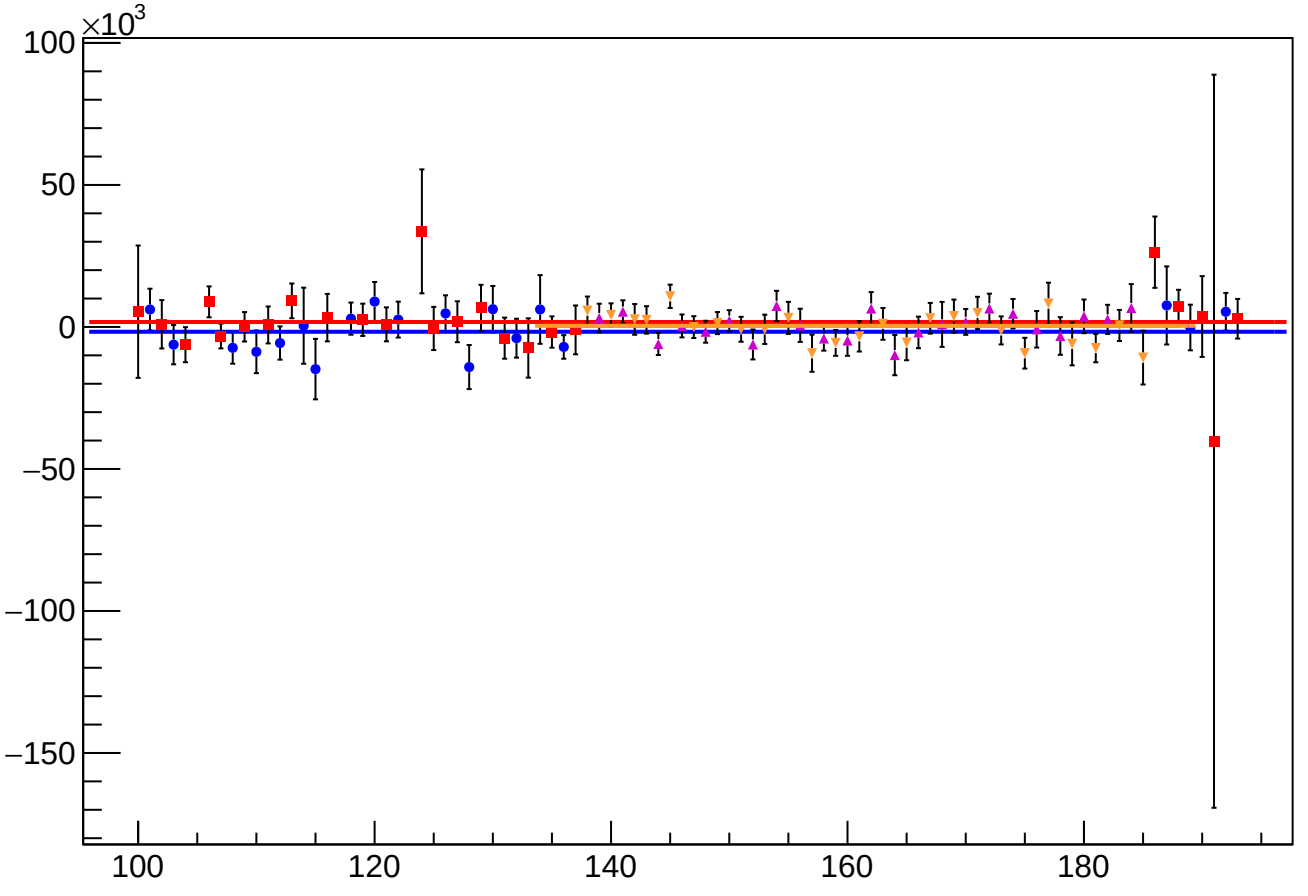
+ sign 92.221+/-812.424 χ^2/NDF: 42.3/43

All: -352.279+/-452.010 χ^2/NDF: 86.2/90

- sign -551.562+/-543.979 χ^2/NDF: 43.5/46


asym_atl1r2_dd_eigen_dit_correction_rms vs Slug
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
Right In: 4155.065+/-1.016 χ²/NDF: 1020366.2/18
Left Out: 4233.911+/-0.696 χ²/NDF:1284785.6/24
Right Out: 1228.590+/-0.458 χ²/NDF: 13136902.4/23
Left In: 4188.880+/-0.707 χ²/NDF:1344607.0/22
+ sign 4208.705+/-0.574 χ²/NDF: 2309248.7/43
All: 2755.779+/-0.320 χ²/NDF: 38393925.5/9
- sign 2104.388+/-0.385 χ²/NDF: 26820246.0/46

asym_atl1r2_dd_mean vs Slug



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: 1747.876+/-1445.371 χ^2/NDF: 15.7/23

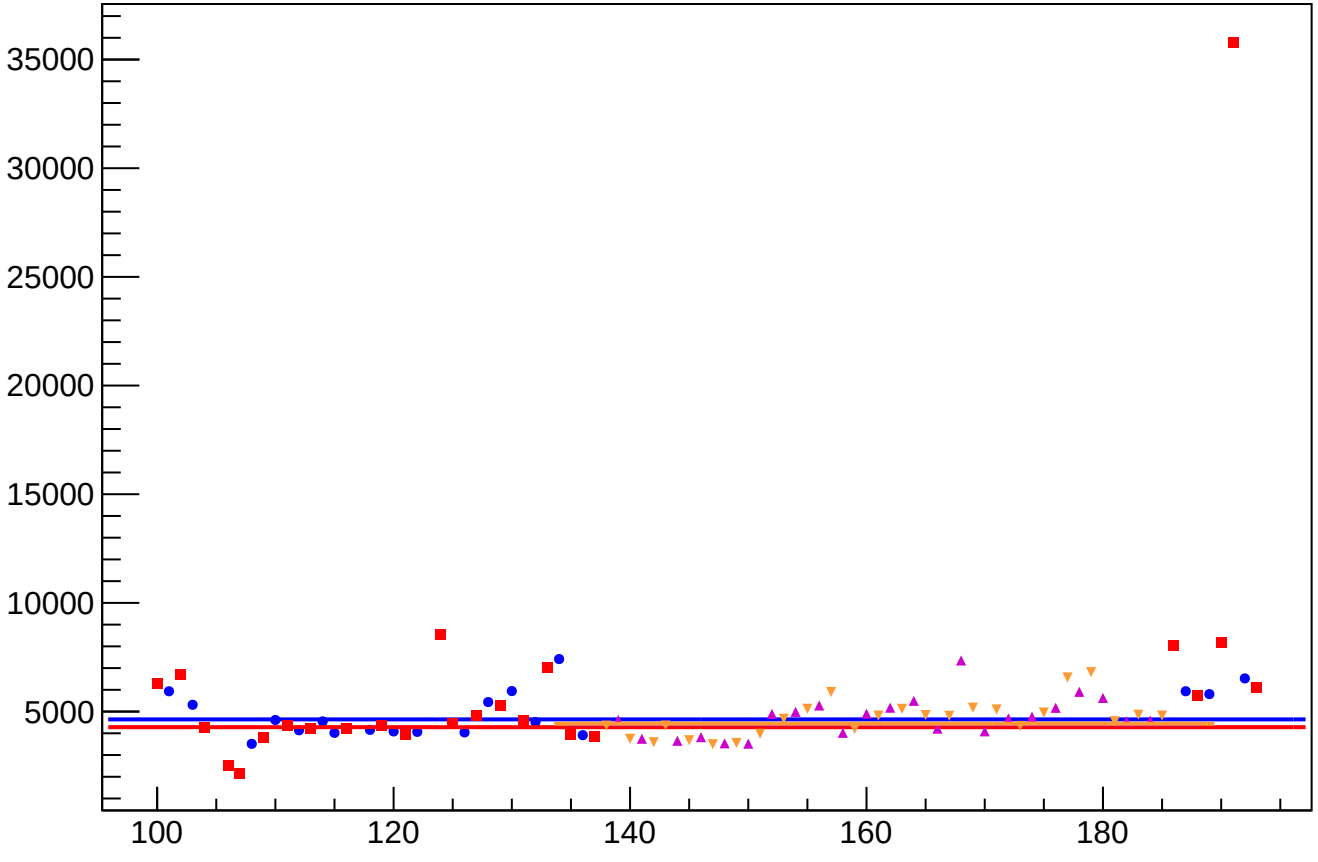
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -219.104+/-863.442 χ^2/NDF: 43.3/43

All: 366.365+/-605.496 χ^2/NDF: 77.7/90

- sign 932.856+/-849.334 χ^2/NDF: 33.6/46

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: 4281.174+/-1.013 χ^2/NDF: 1932851.3/23

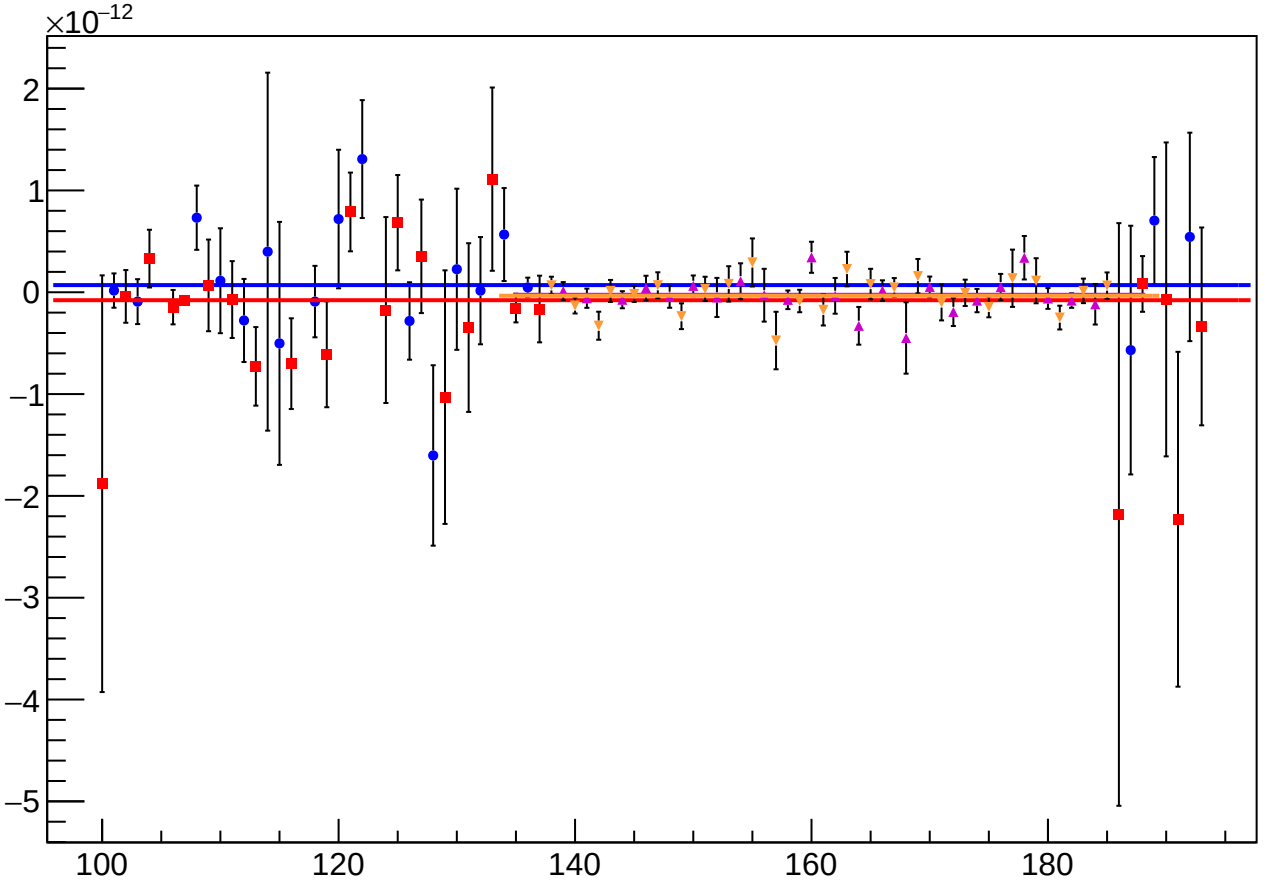
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4499.555+/-0.611 χ^2/NDF: 1801085.9/43

All: 4432.749+/-0.427 χ^2/NDF: 4880251.5/90

- sign 4368.499+/-0.599 χ^2/NDF: 3055678.4/46

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: 22.7/23

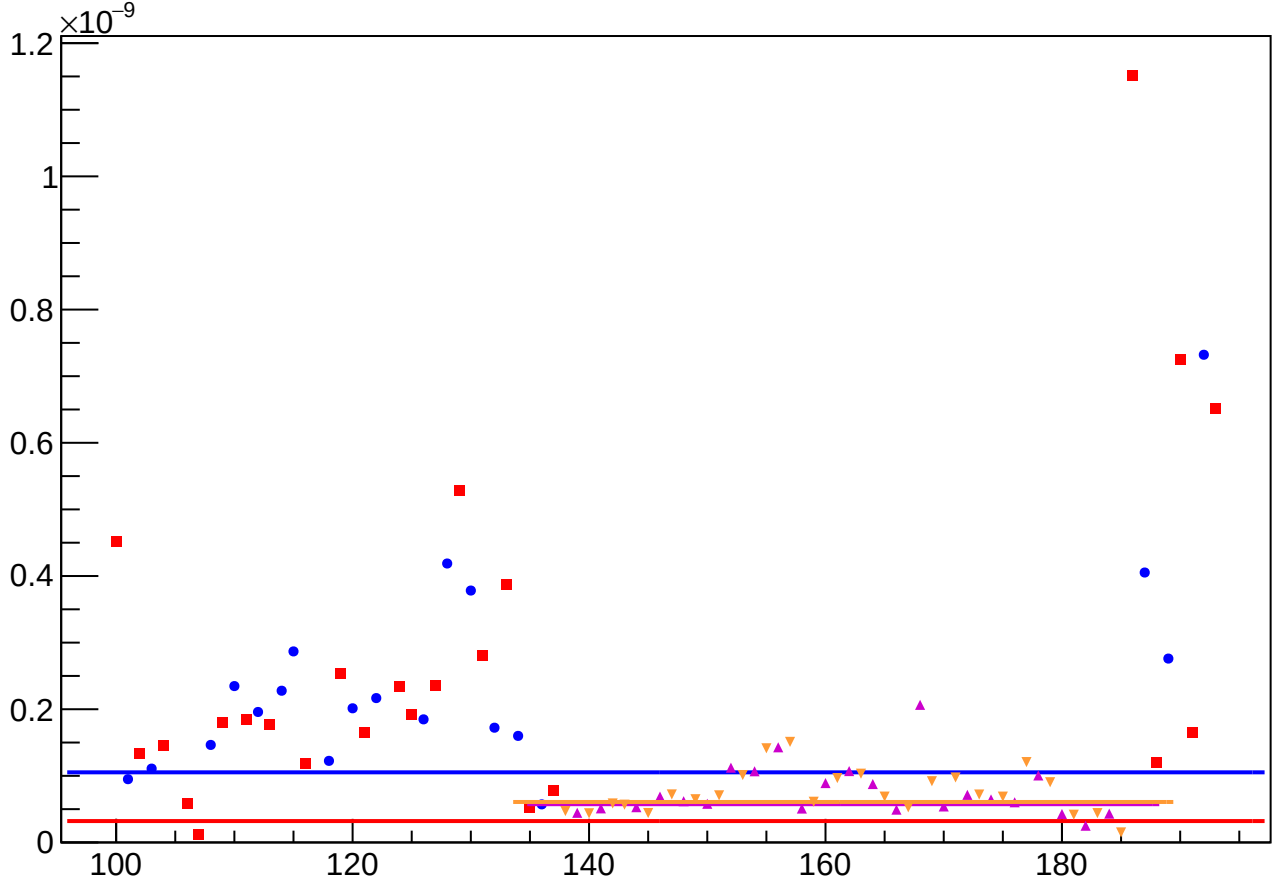
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.5/43

All: -0.000+/-0.000 χ^2/NDF: 93.7/90

- sign -0.000+/-0.000 χ^2/NDF: 43.7/46

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: 6119113.3/23

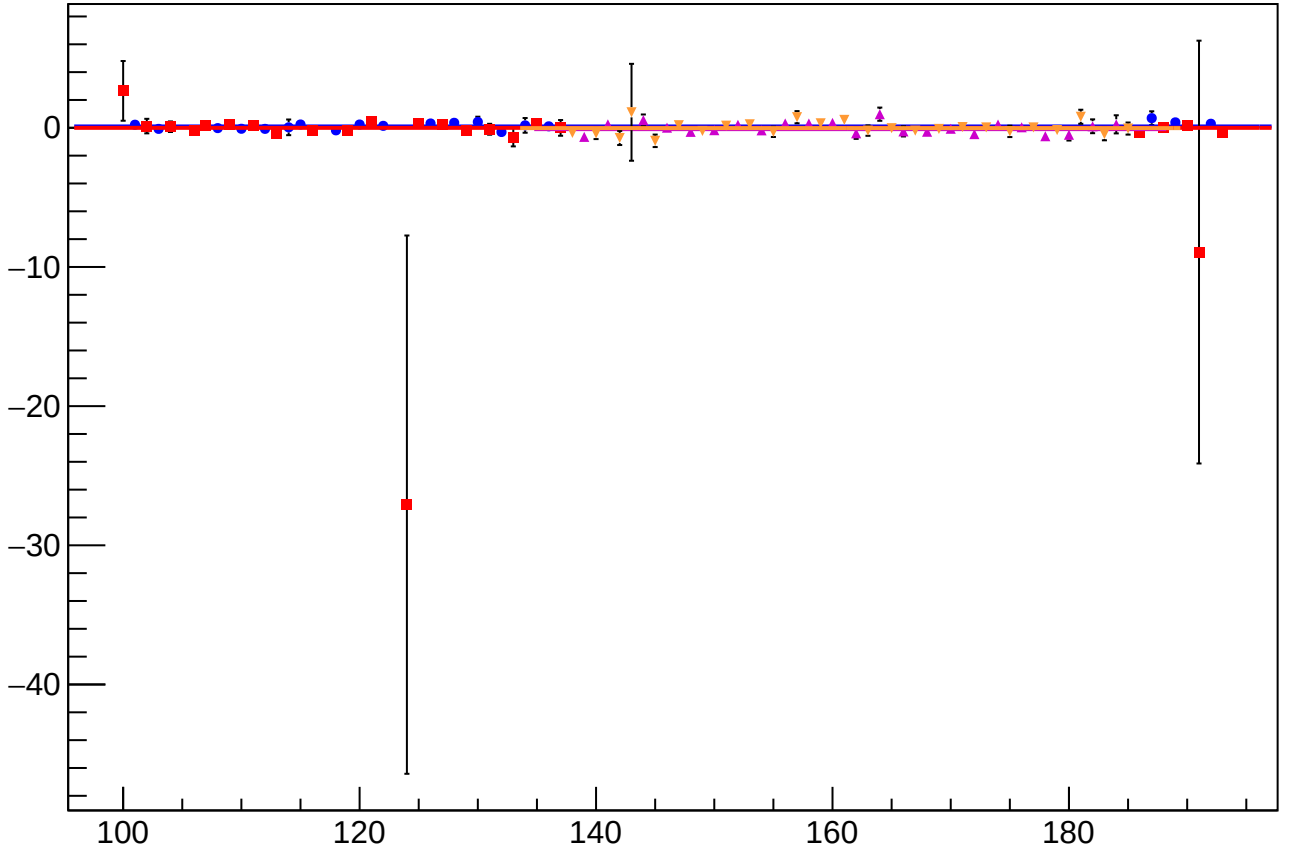
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5089356.8/43

All: 0.000+/-0.000 χ^2/NDF: 14515963.7/90

- sign 0.000+/-0.000 χ^2/NDF: 8756906.5/46

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: -0.003+/-0.052 χ^2/NDF: 26.3/23

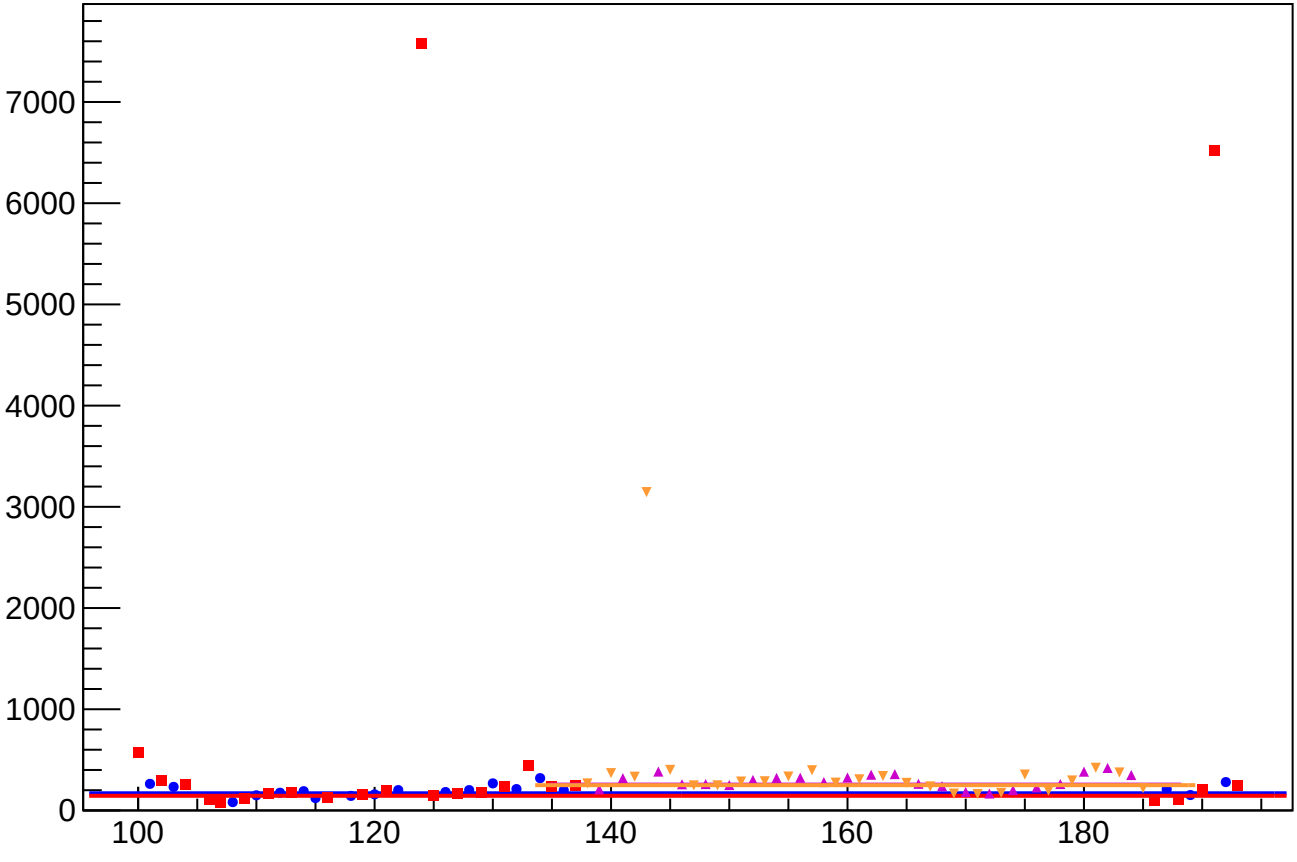
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.044 χ^2/NDF: 37.4/43

All: -0.005+/-0.030 χ^2/NDF: 98.1/90

- sign -0.040+/-0.040 χ^2/NDF: 59.1/46

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

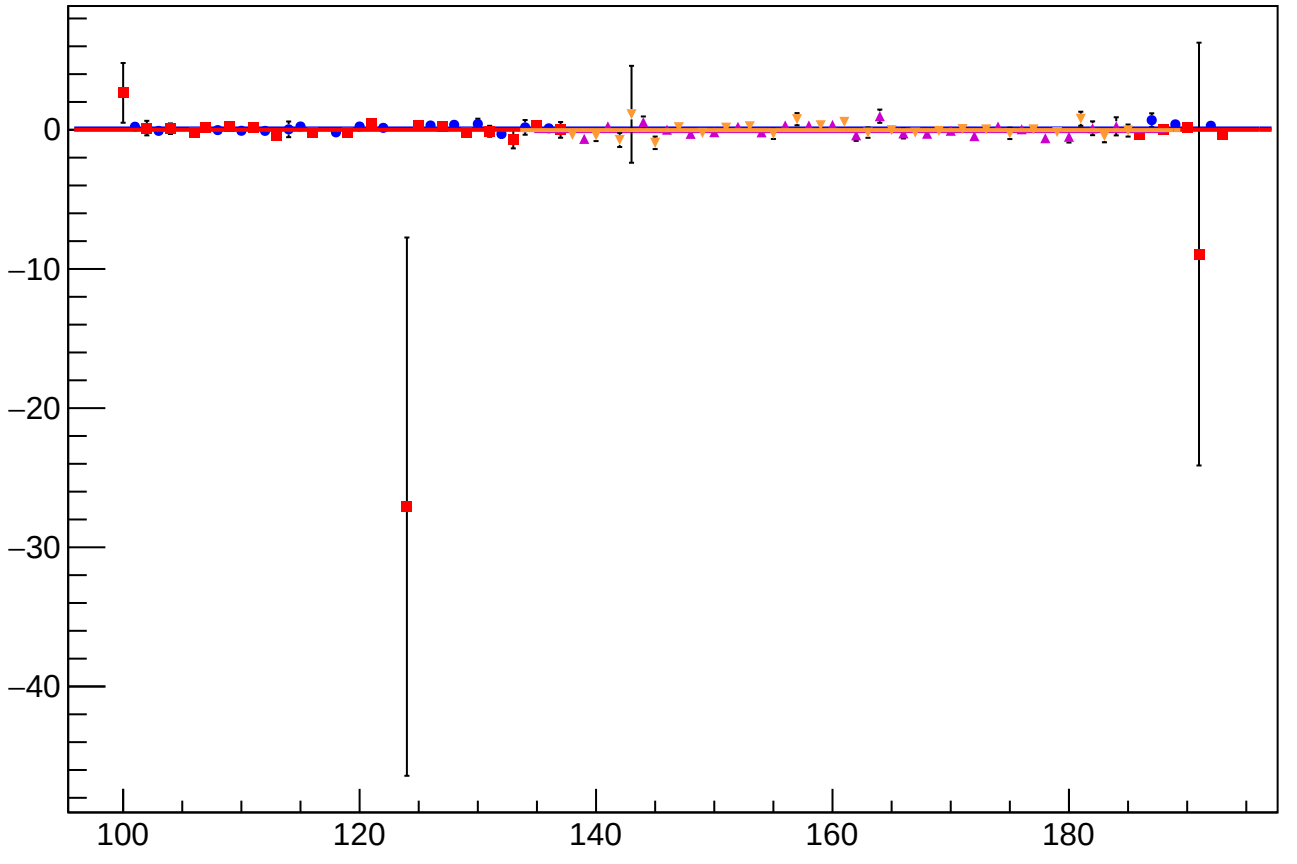
Right Out: 144.907+/-0.037 χ^2/NDF: 2955645.7/23

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 209.716+/-0.031 χ^2/NDF: 7725613.4/43

All: 198.988+/-0.021 χ^2/NDF: 16658115.3/90

- sign 189.850+/-0.028 χ^2/NDF: 8707811.2/46



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: -0.003+/-0.052 χ^2/NDF: 26.3/23

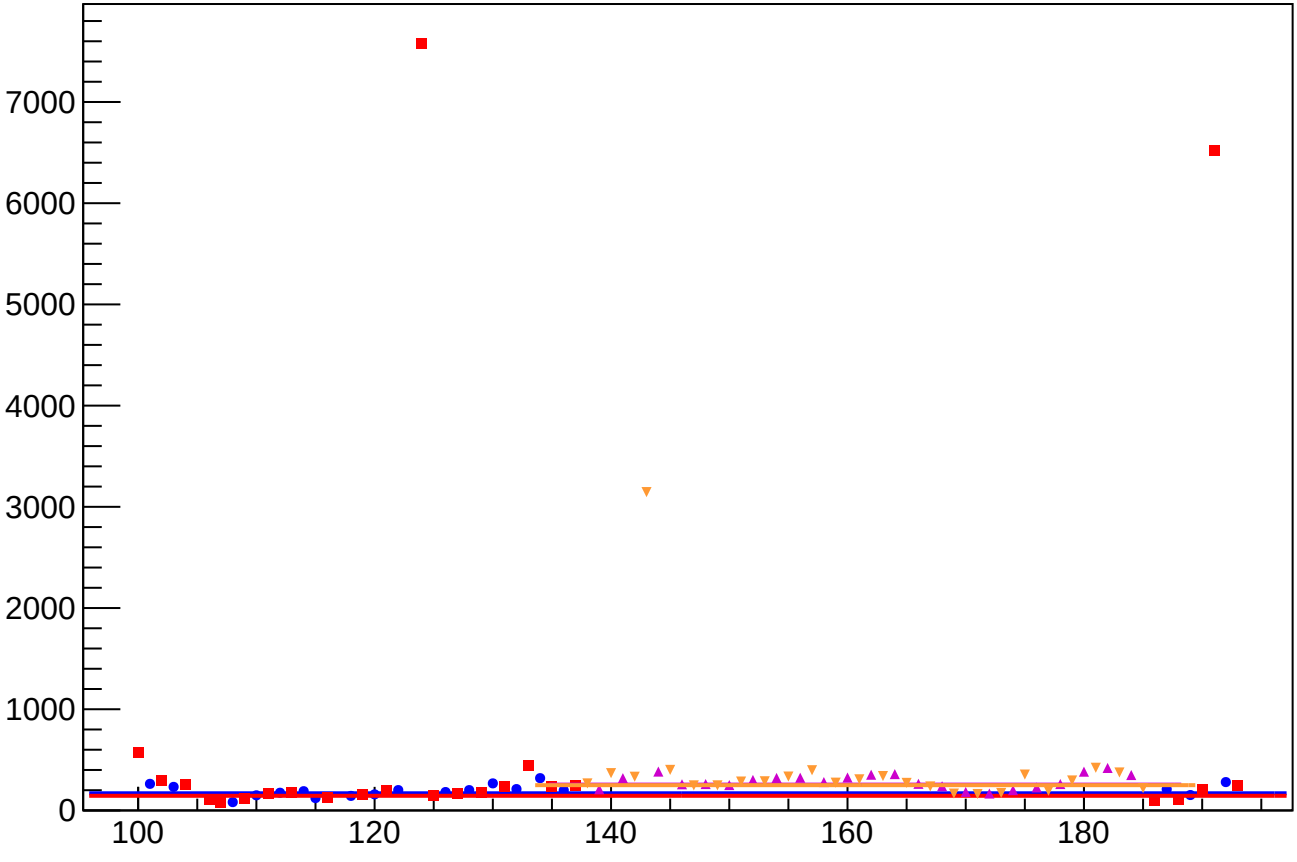
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.044 χ^2/NDF: 37.4/43

All: -0.005+/-0.030 χ^2/NDF: 98.1/90

- sign -0.040+/-0.040 χ^2/NDF: 59.1/46

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

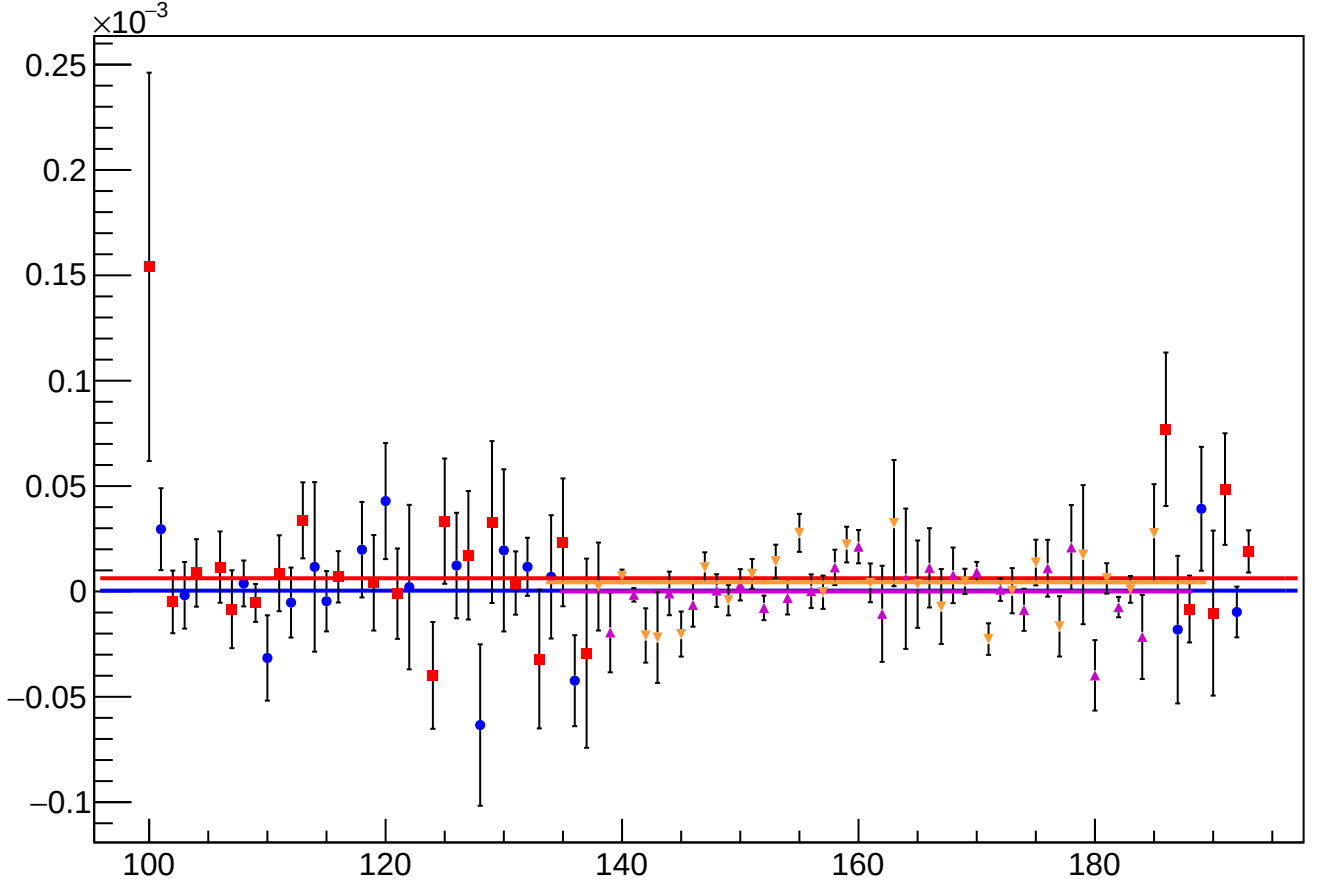
Right Out: 144.907+/-0.037 χ^2/NDF: 2955645.7/23

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 209.716+/-0.031 χ^2/NDF: 7725613.4/43

All: 198.988+/-0.021 χ^2/NDF: 16658115.3/90

- sign 189.850+/-0.028 χ^2/NDF: 8707811.2/46



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: 24.1/23

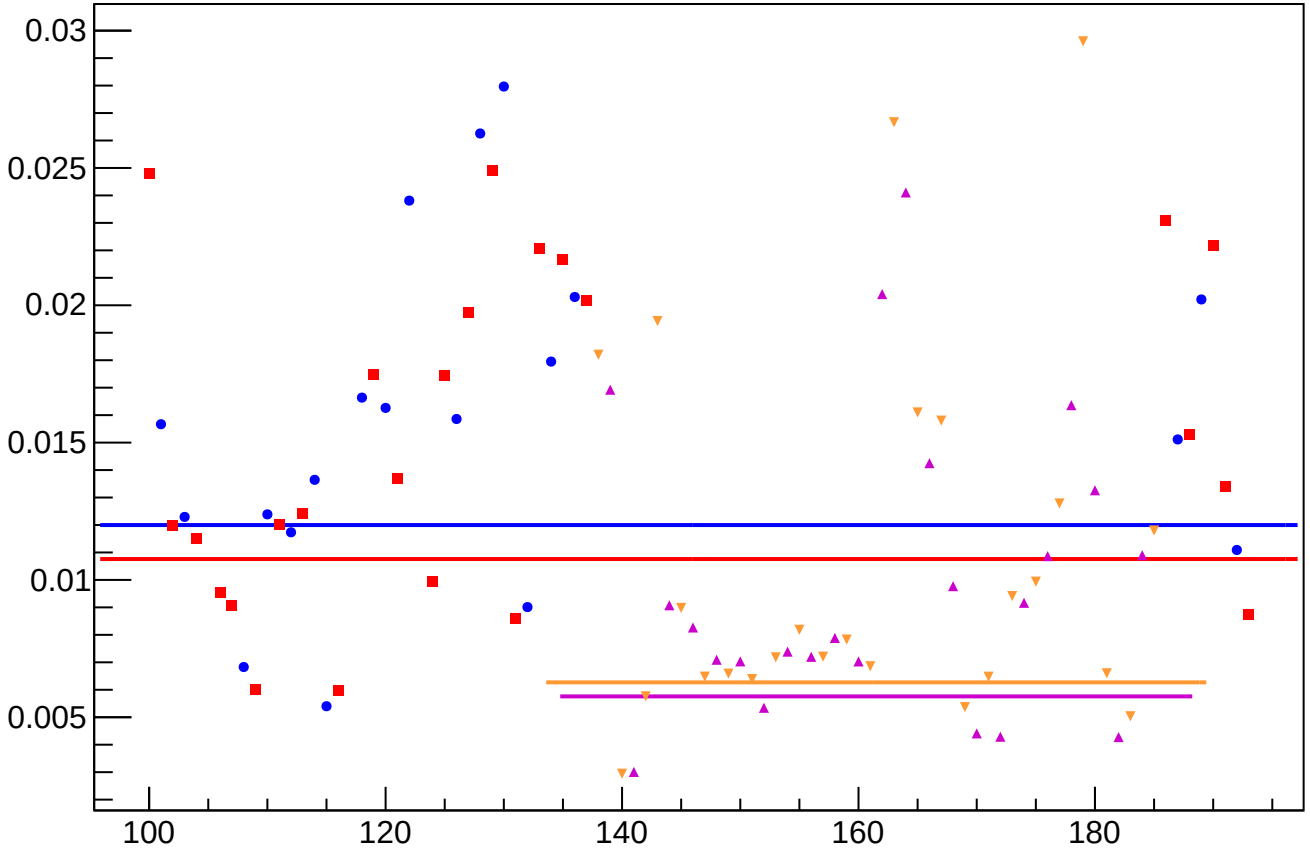
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.7/43

All: 0.000+/-0.000 χ^2/NDF: 123.1/90

- sign 0.000+/-0.000 χ^2/NDF: 55.5/46

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

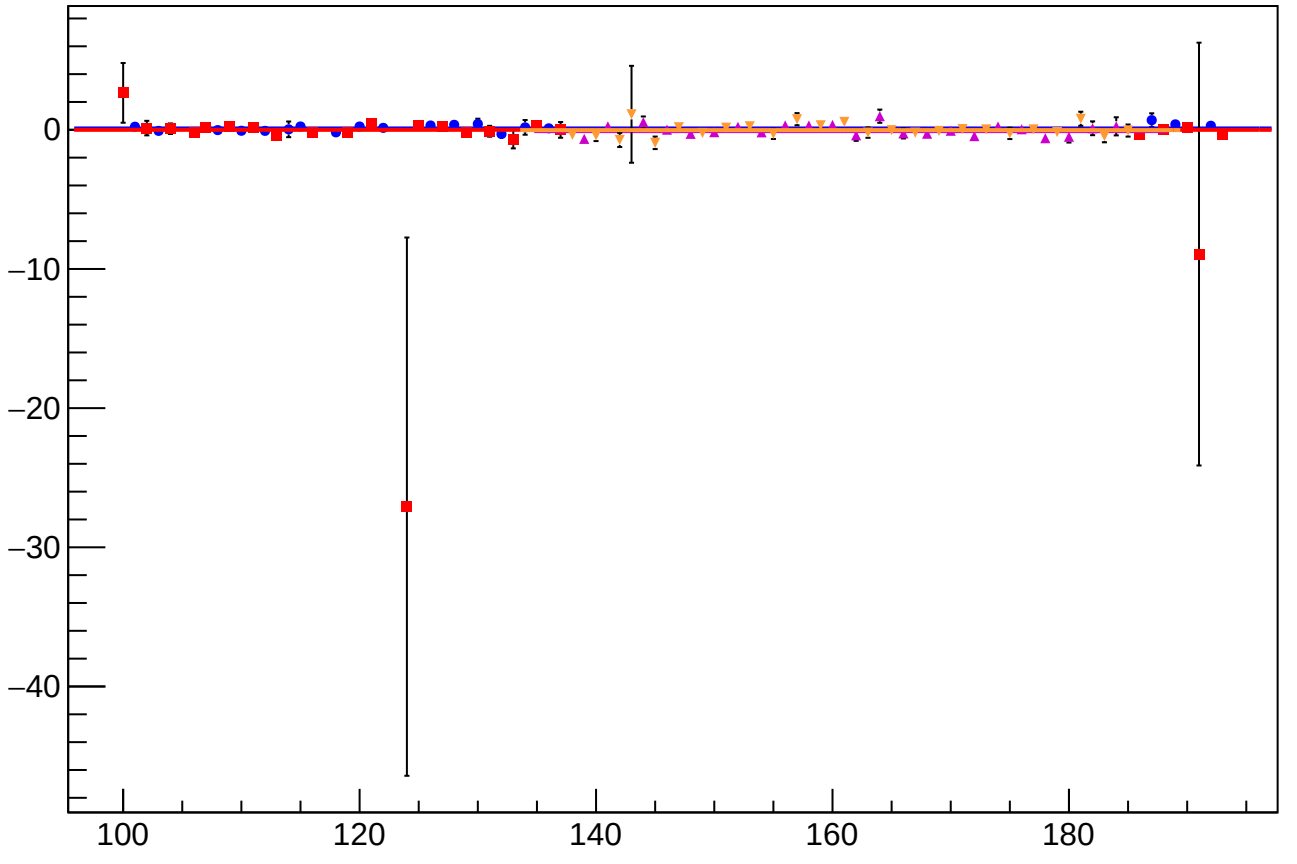
Right Out: 0.011+/-0.000 χ^2/NDF: 3030628.6/23

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: 26707187.9/90

- sign 0.007+/-0.000 χ^2/NDF: 13181607.1/46



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: -0.003+/-0.052 χ^2/NDF: 26.3/23

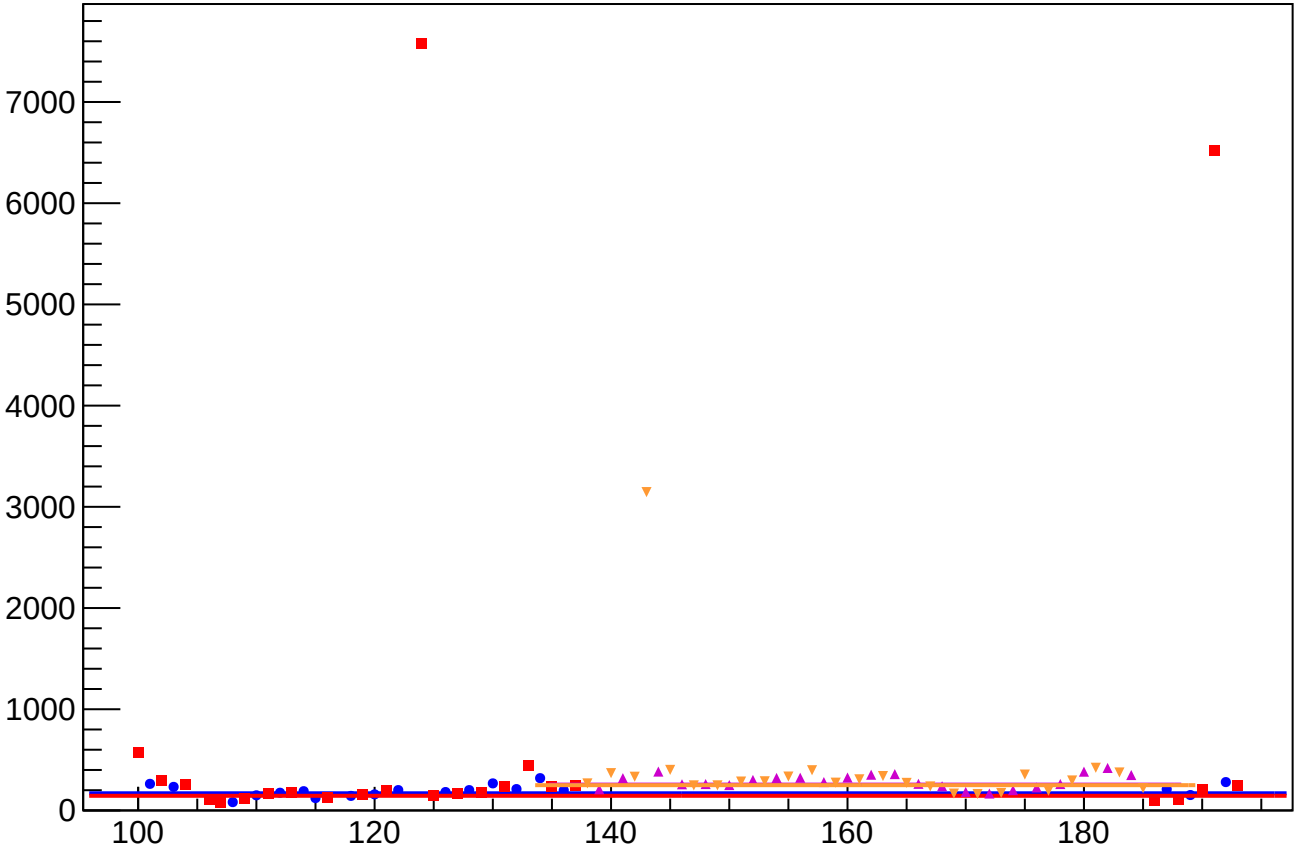
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.044 χ^2/NDF: 37.4/43

All: -0.005+/-0.030 χ^2/NDF: 98.1/90

- sign -0.040+/-0.040 χ^2/NDF: 59.1/46

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

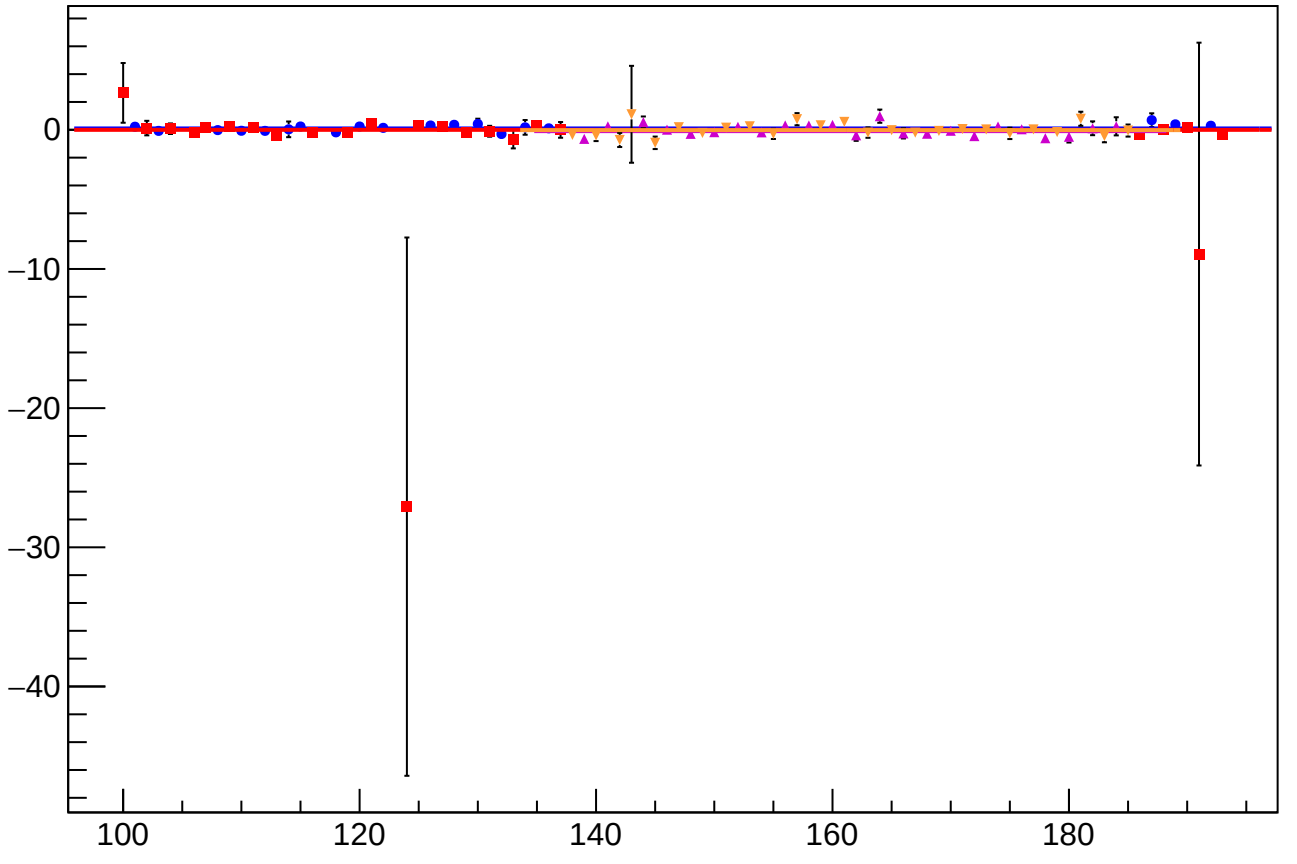
Right Out: 144.909+/-0.037 χ^2/NDF: 2955523.6/23

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 209.715+/-0.031 χ^2/NDF: 7725862.3/43

All: 198.989+/-0.021 χ^2/NDF: 16658140.5/90

- sign 189.852+/-0.028 χ^2/NDF: 8707662.6/46



Right In: 0.097+/-0.062 χ^2/NDF: 11.9/18

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

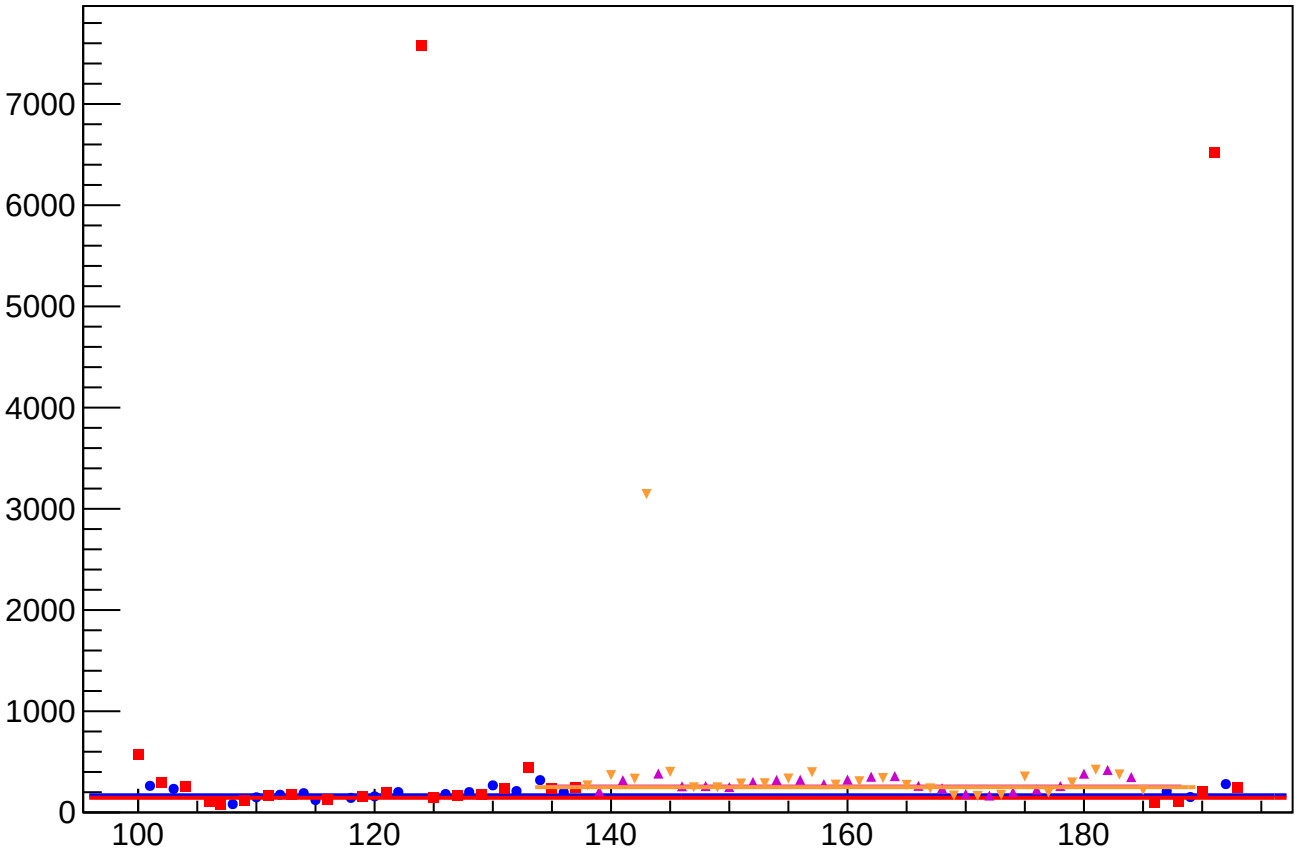
Right Out: -0.003+/-0.052 χ^2/NDF: 26.3/23

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.044 χ^2/NDF: 37.4/43

All: -0.005+/-0.030 χ^2/NDF: 98.1/90

- sign -0.040+/-0.040 χ^2/NDF: 59.1/46



Right In: 169.645+/-0.044 χ^2/NDF: 1795676.0/18

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

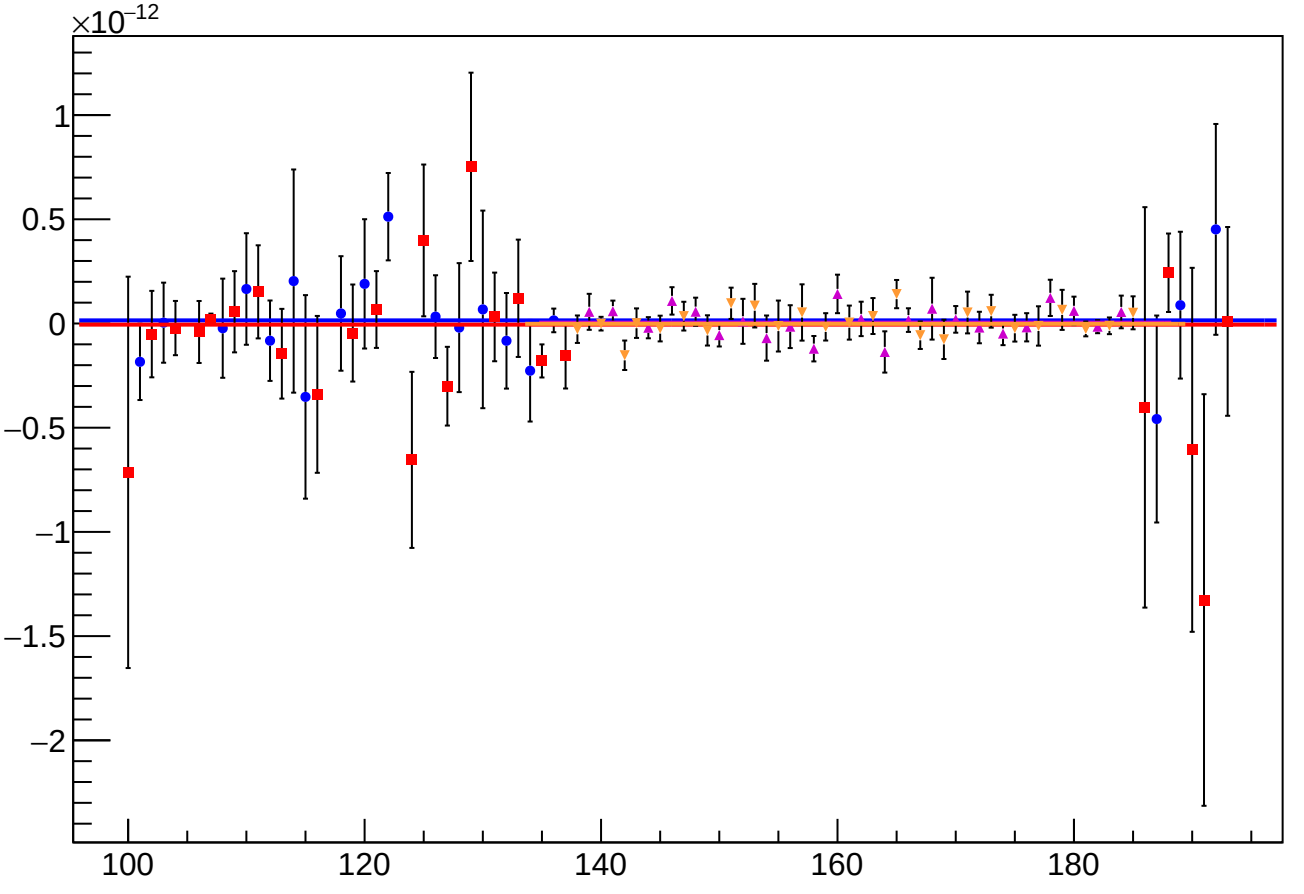
Right Out: 144.909+/-0.037 χ^2/NDF: 2955523.6/23

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 209.715+/-0.031 χ^2/NDF: 7725862.3/43

All: 198.989+/-0.021 χ^2/NDF: 16658140.5/90

- sign 189.852+/-0.028 χ^2/NDF: 8707662.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

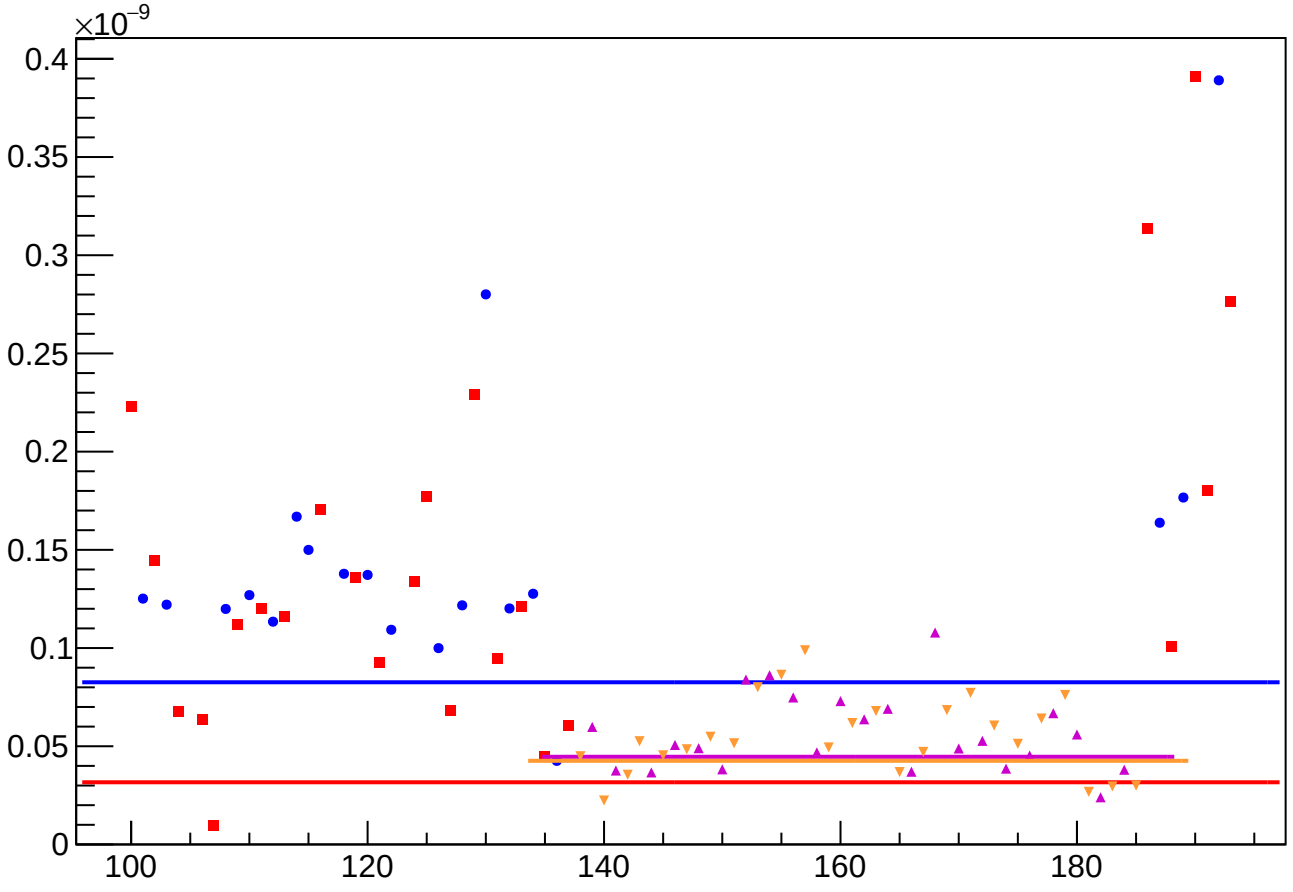
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/23

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: 70.4/90

- sign 0.000+/-0.000 χ^2/NDF: 42.5/46



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: 6912540.2/23

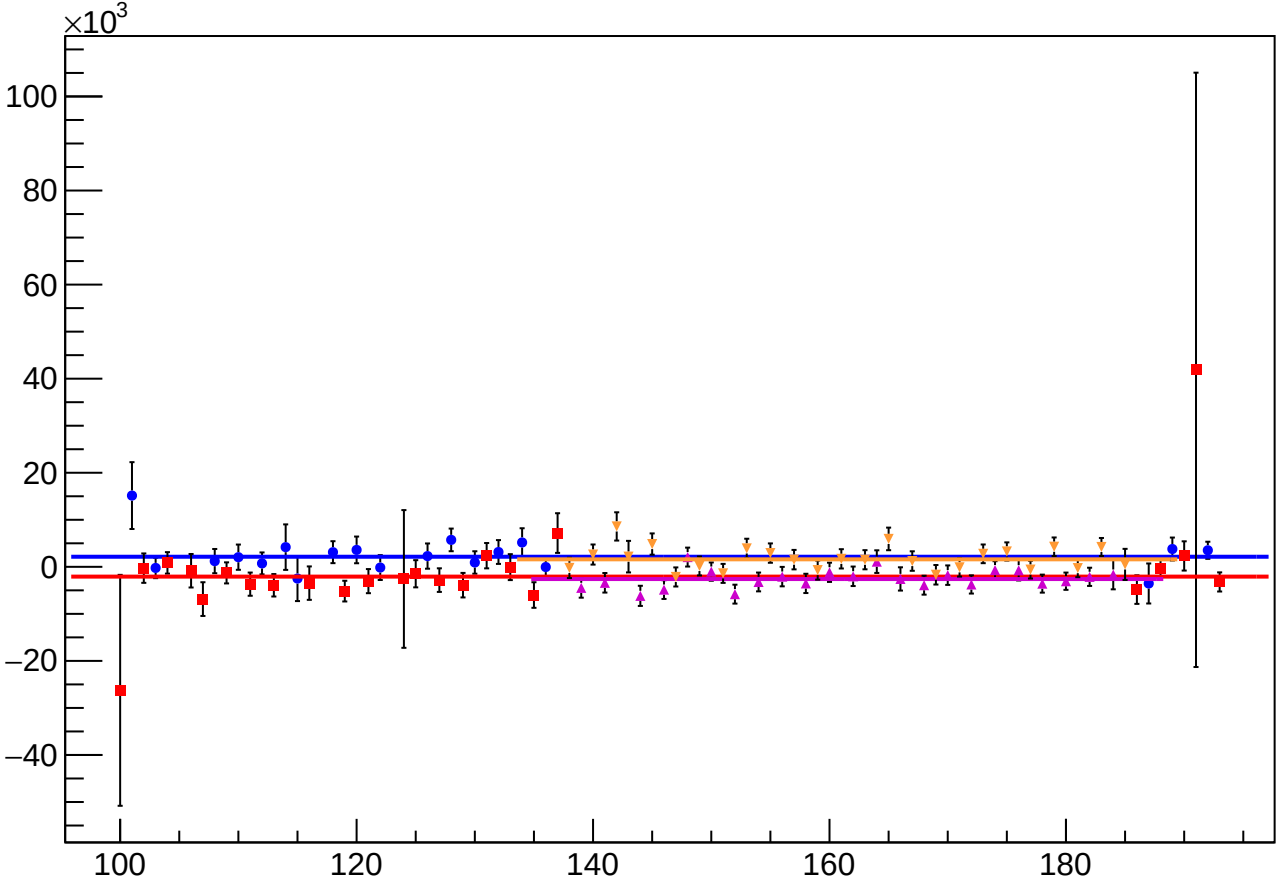
Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8370538.8/43

All: 0.000+/-0.000 χ^2/NDF: 18798772.3/90

- sign 0.000+/-0.000 χ^2/NDF: 10265319.9/46

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: -2080.377+/-573.396 χ^2/NDF: 23.4/23

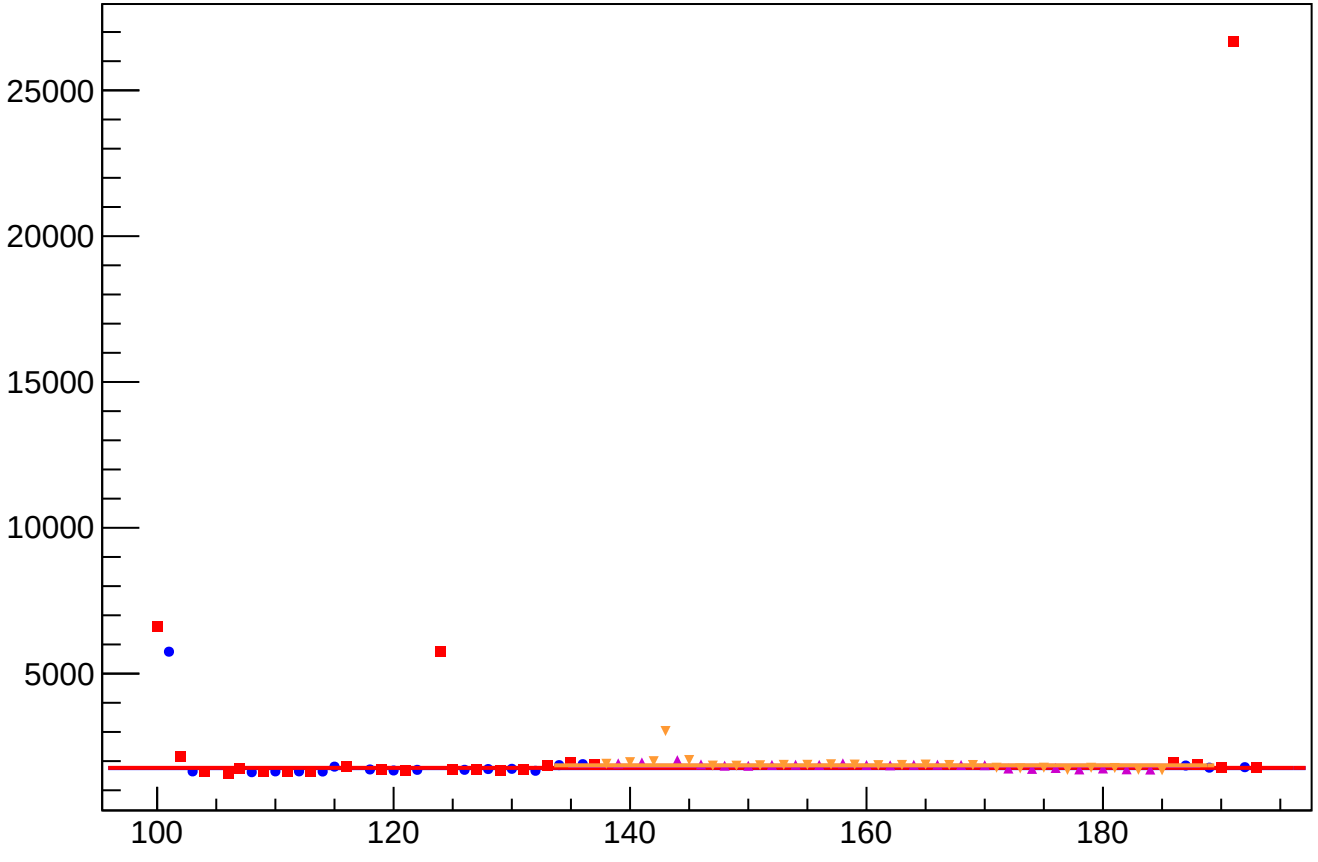
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1775.497+/-346.064 χ^2/NDF: 46.8/43

All: -329.458+/-244.030 χ^2/NDF: 164.4/90

- sign -2411.353+/-344.164 χ^2/NDF: 44.0/46

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: 1768.903+/-0.403 χ^2/NDF: 638241.2/23

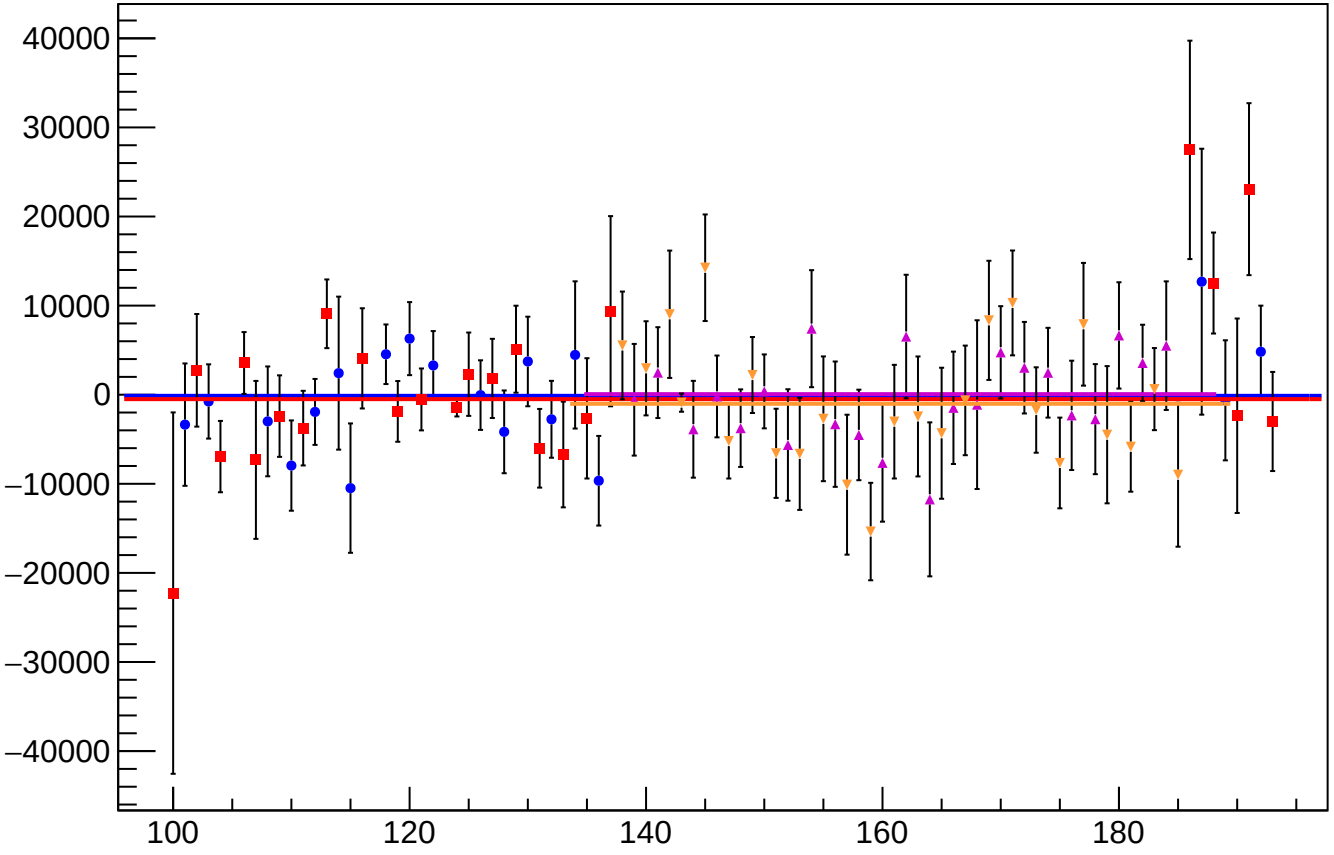
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1823.676+/-0.245 χ^2/NDF: 1031017.2/43

All: 1819.217+/-0.172 χ^2/NDF: 1761267.1/90

- sign 1814.826+/-0.243 χ^2/NDF: 729591.1/46

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: -498.076+/-709.261 χ^2/NDF: 37.1/23

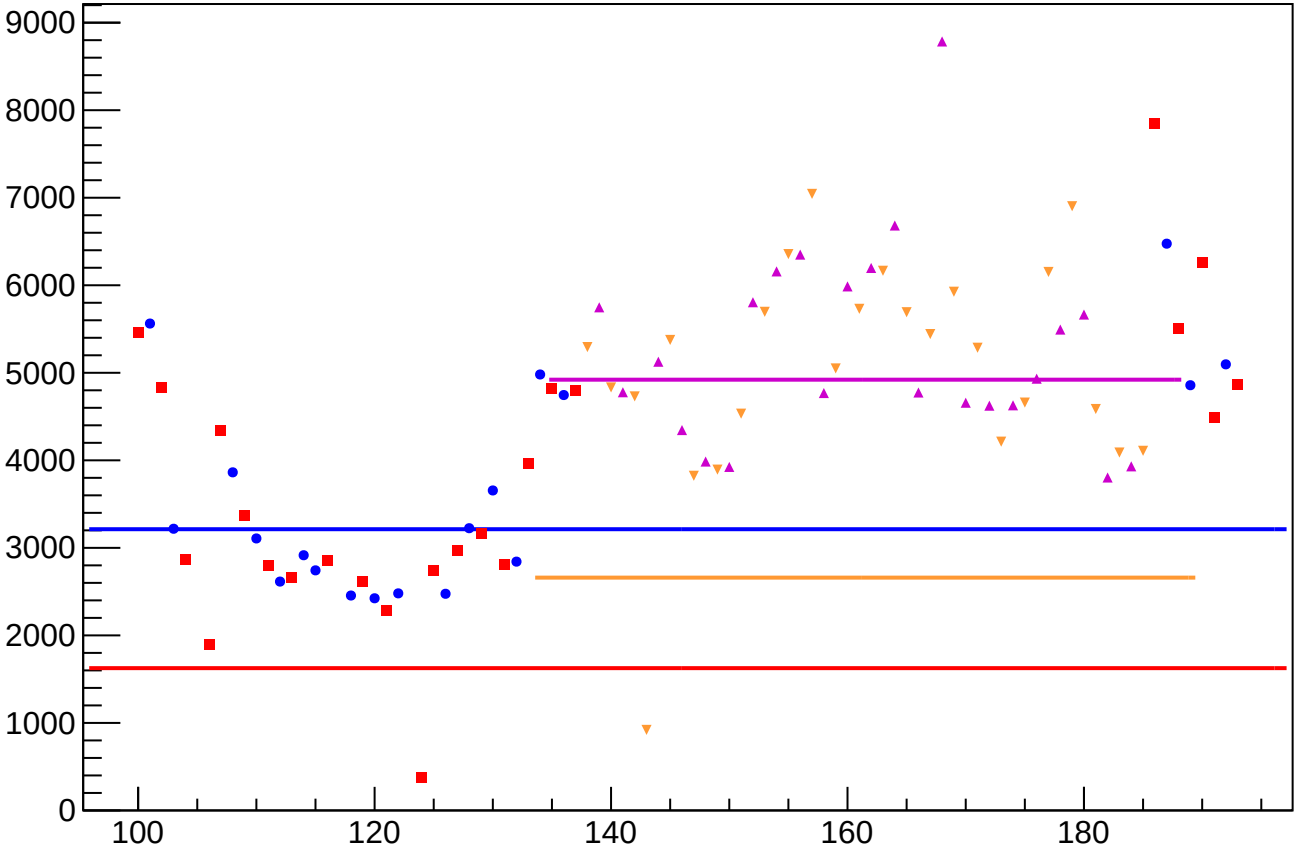
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -733.293+/-636.604 χ^2/NDF: 51.8/43

All: -531.537+/-439.305 χ^2/NDF: 102.3/90

- sign -348.111+/-606.995 χ^2/NDF: 50.3/46

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: 1625.822+/-0.502 χ^2/NDF: 9575151.9/23

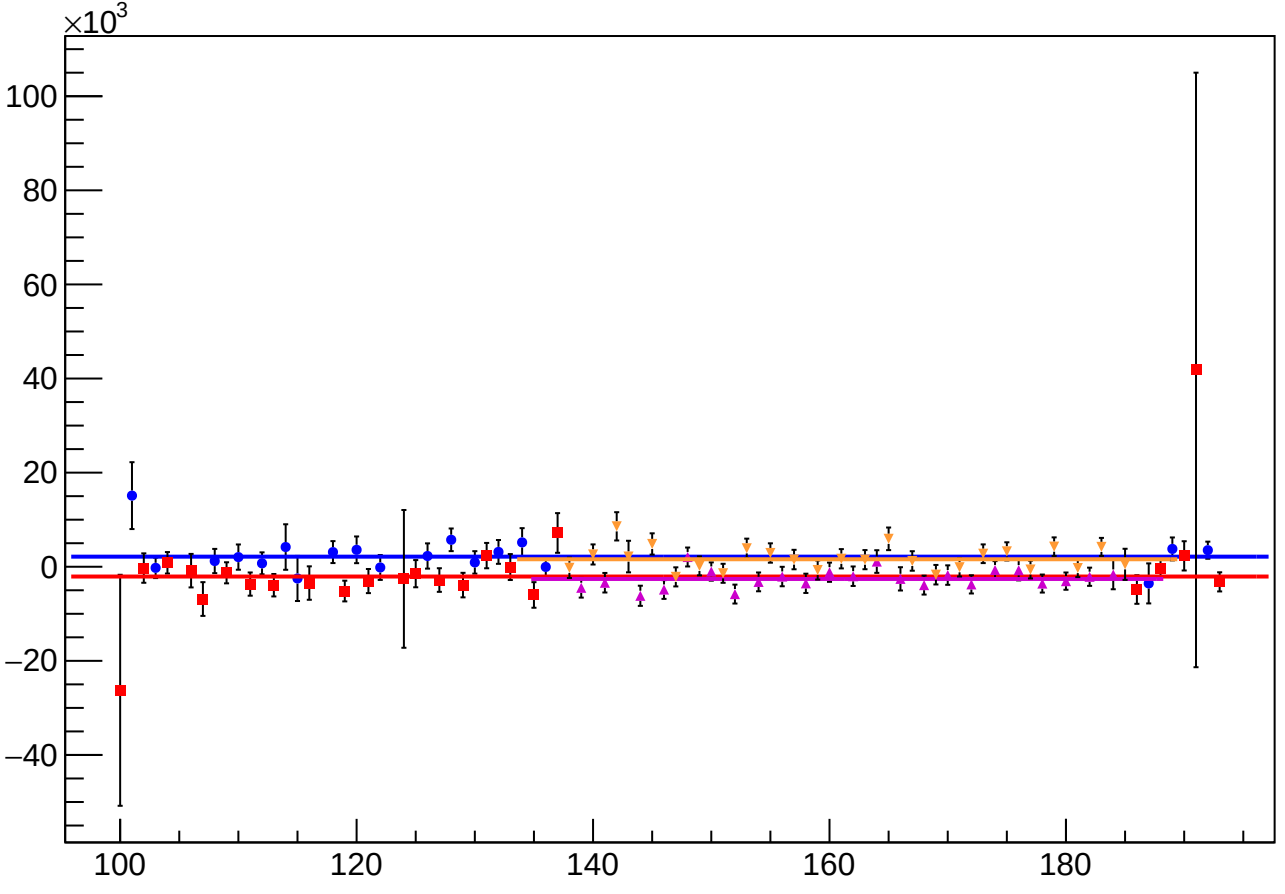
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2836.813+/-0.450 χ^2/NDF: 16291871.0/43

All: 2664.392+/-0.311 χ^2/NDF: 38951829.9/9

- sign 2507.637+/-0.429 χ^2/NDF: 22379862.2/46

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: -2080.421+/-573.396 χ^2/NDF: 23.4/23

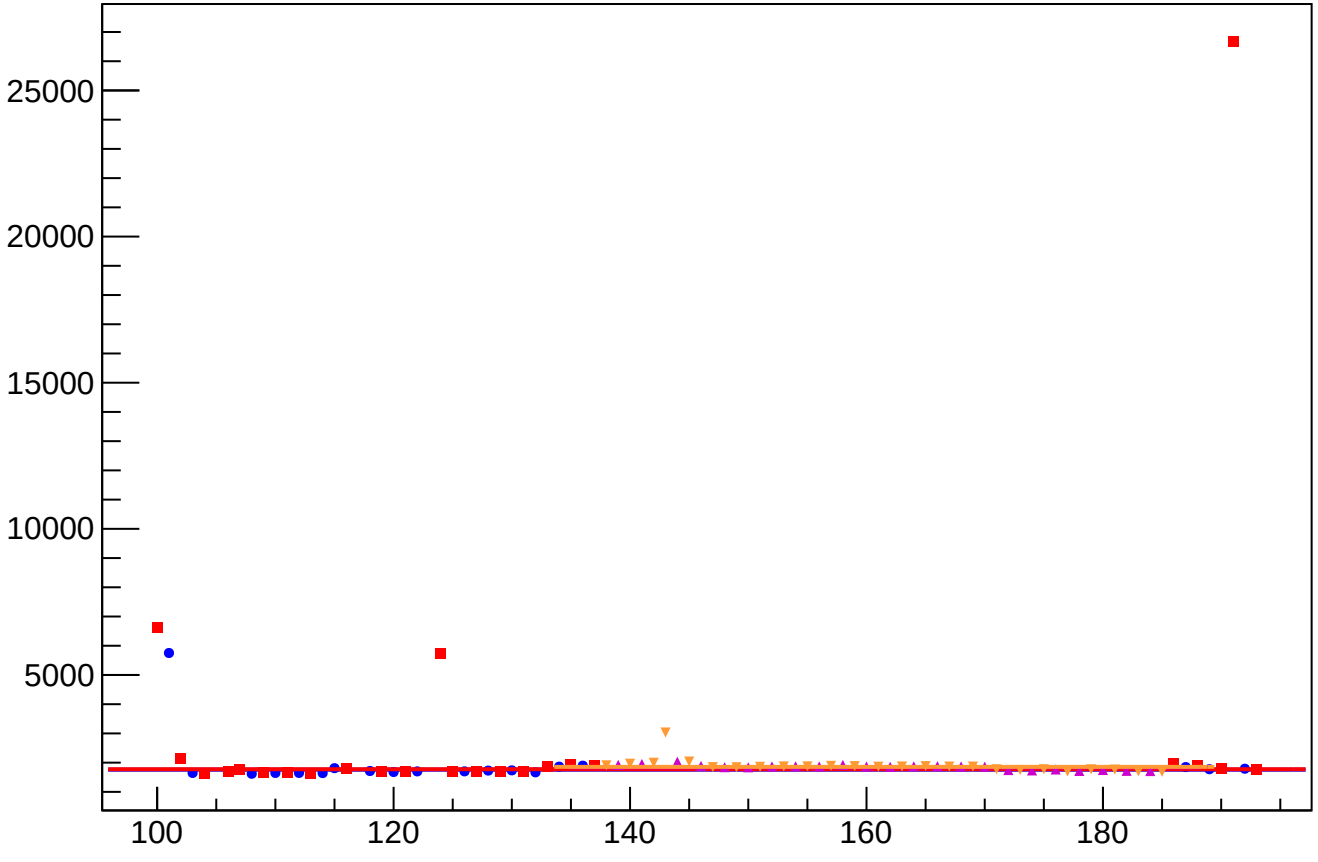
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1775.384+/-346.065 χ^2/NDF: 46.8/43

All: -329.545+/-244.030 χ^2/NDF: 164.4/90

- sign -2411.414+/-344.164 χ^2/NDF: 44.0/46

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: 1774.207+/-0.404 χ^2/NDF: 629762.4/23

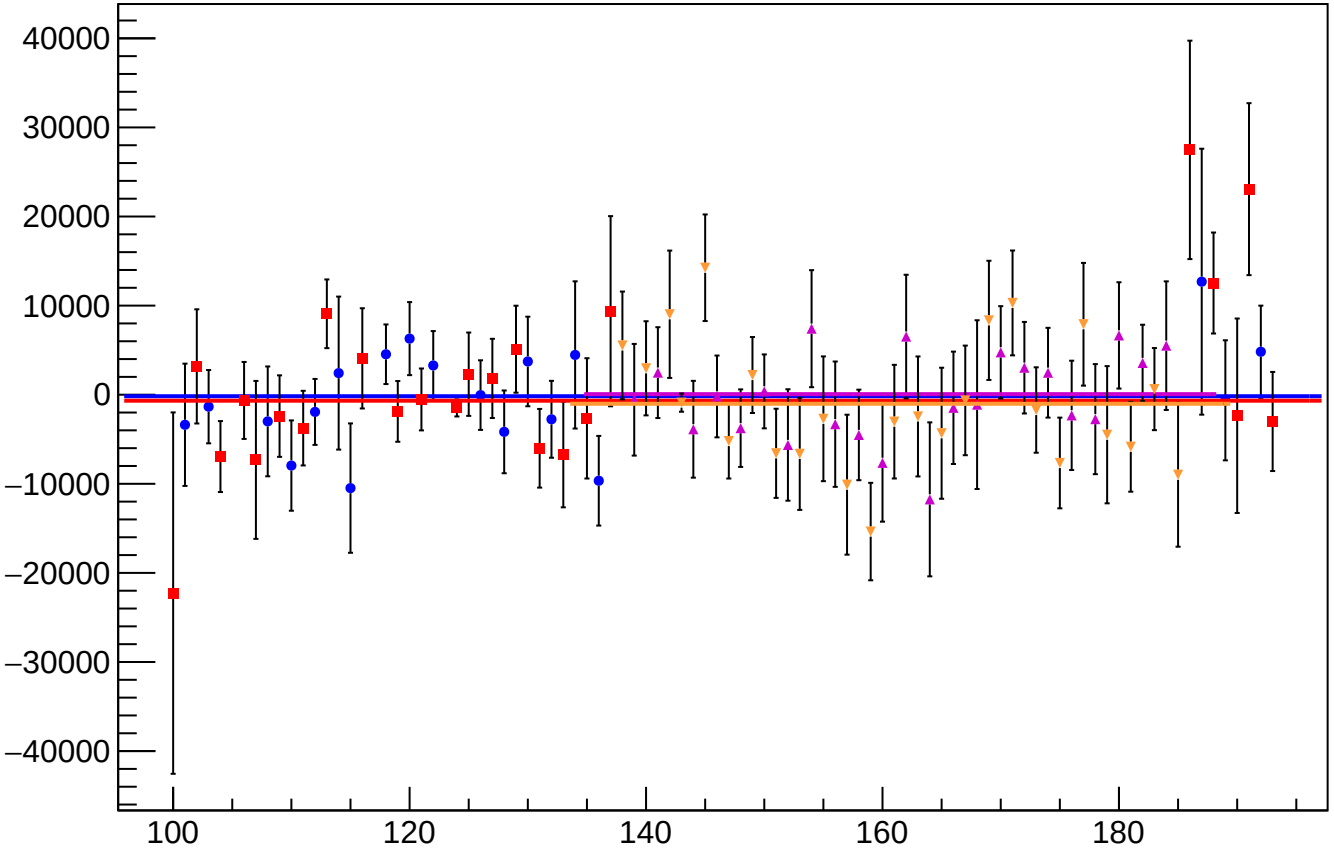
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1823.676+/-0.245 χ^2/NDF: 1031017.6/43

All: 1820.234+/-0.172 χ^2/NDF: 1749574.0/90

- sign 1816.837+/-0.243 χ^2/NDF: 718163.3/46

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: -672.180+/-714.598 χ^2/NDF: 35.7/23

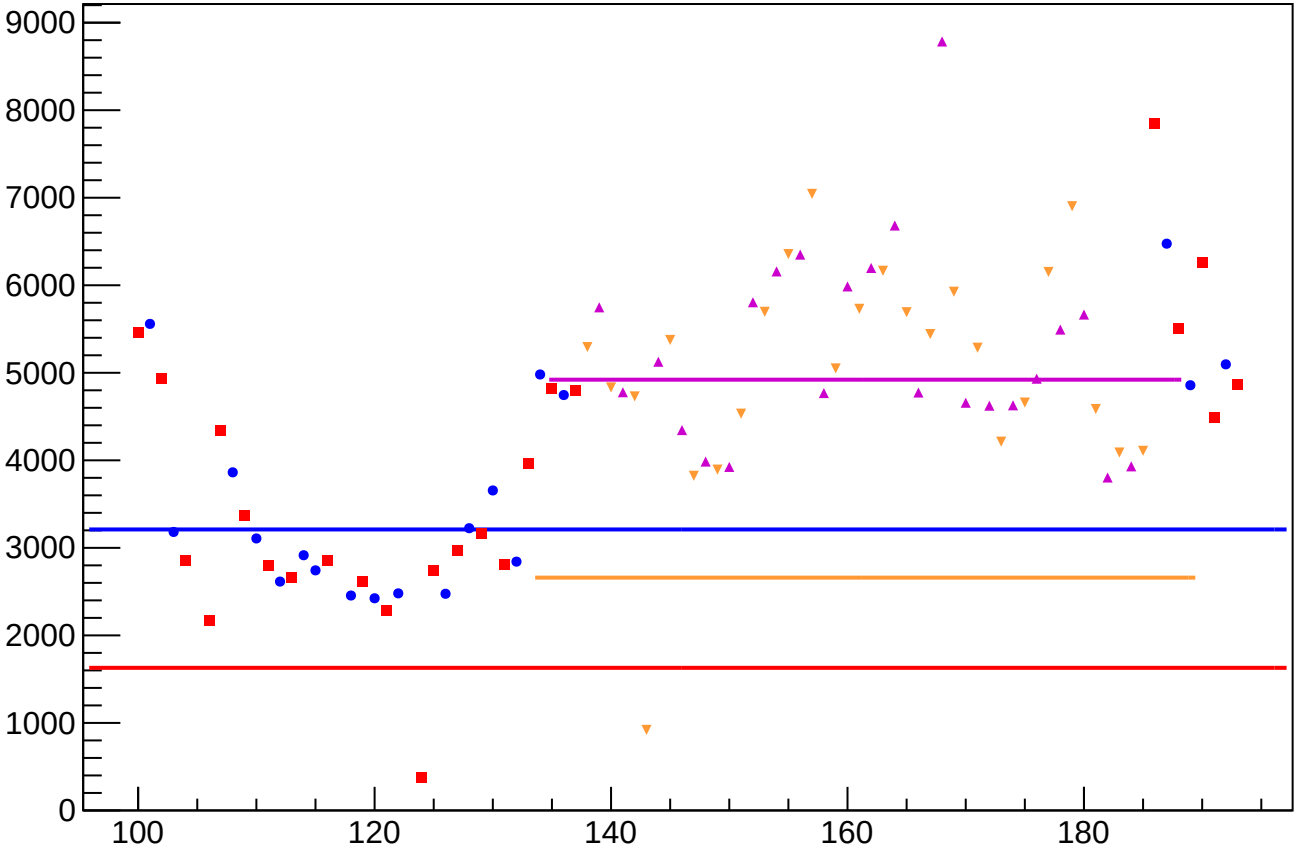
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -747.337+/-636.401 χ^2/NDF: 51.9/43

All: -604.687+/-440.497 χ^2/NDF: 101.0/90

- sign -473.484+/-610.331 χ^2/NDF: 49.1/46

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: 1629.455+/-0.505 χ^2/NDF: 9610752.6/23

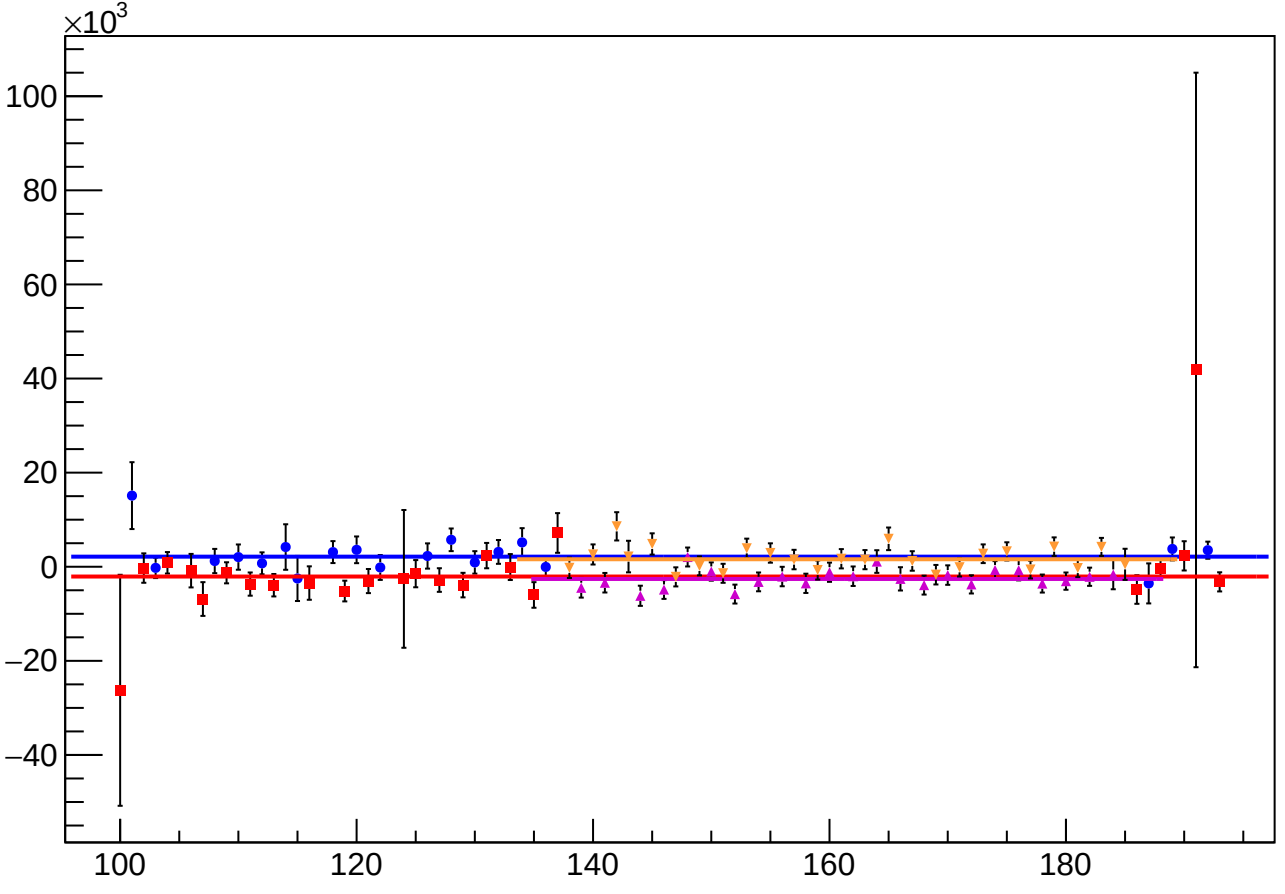
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2836.085+/-0.450 χ^2/NDF: 16289539.5/43

All: 2671.438+/-0.311 χ^2/NDF: 38890121.0/9

- sign 2520.005+/-0.432 χ^2/NDF: 22343589.0/46

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: -2080.421+/-573.396 χ^2/NDF: 23.4/23

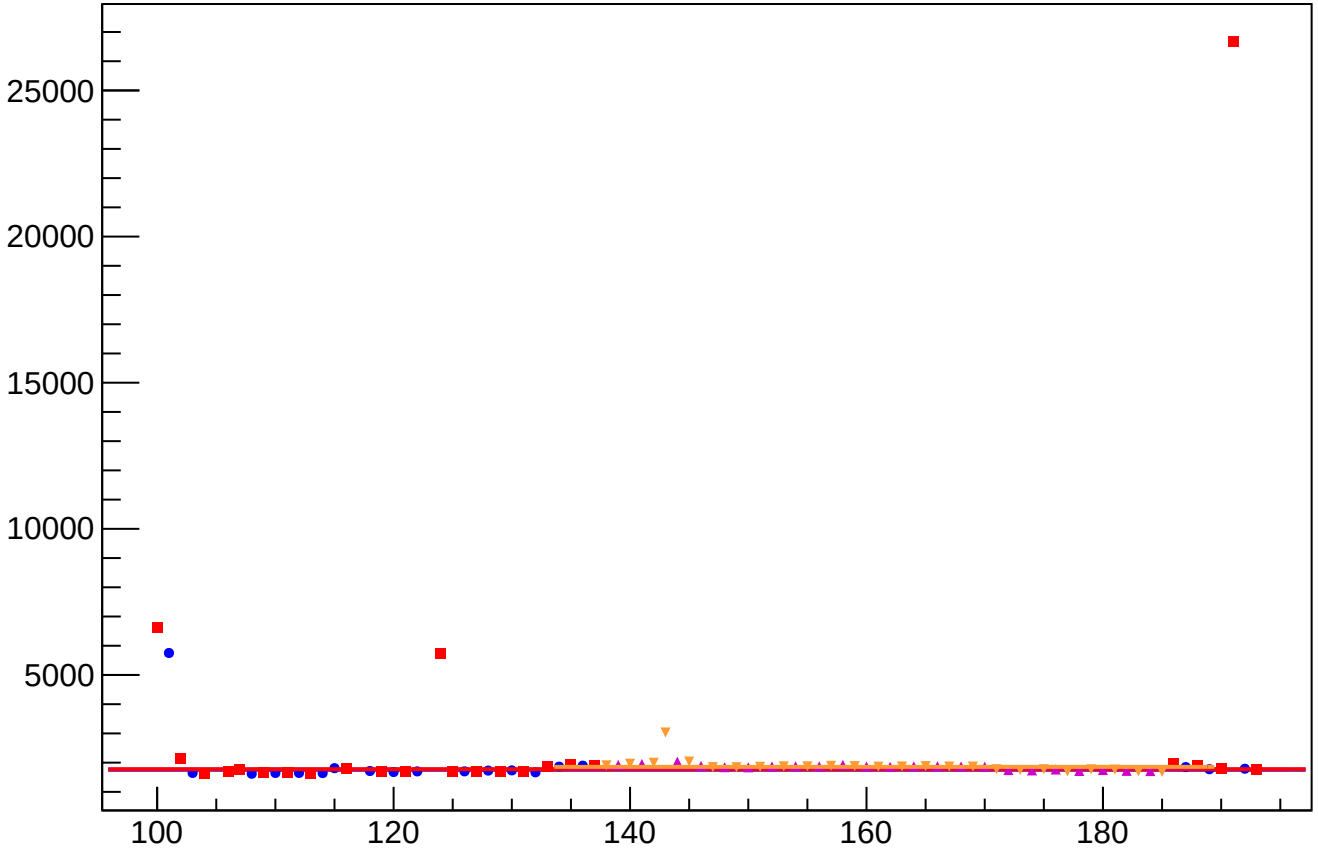
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1775.384+/-346.065 χ^2/NDF: 46.8/43

All: -329.545+/-244.030 χ^2/NDF: 164.4/90

- sign -2411.414+/-344.164 χ^2/NDF: 44.0/46

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

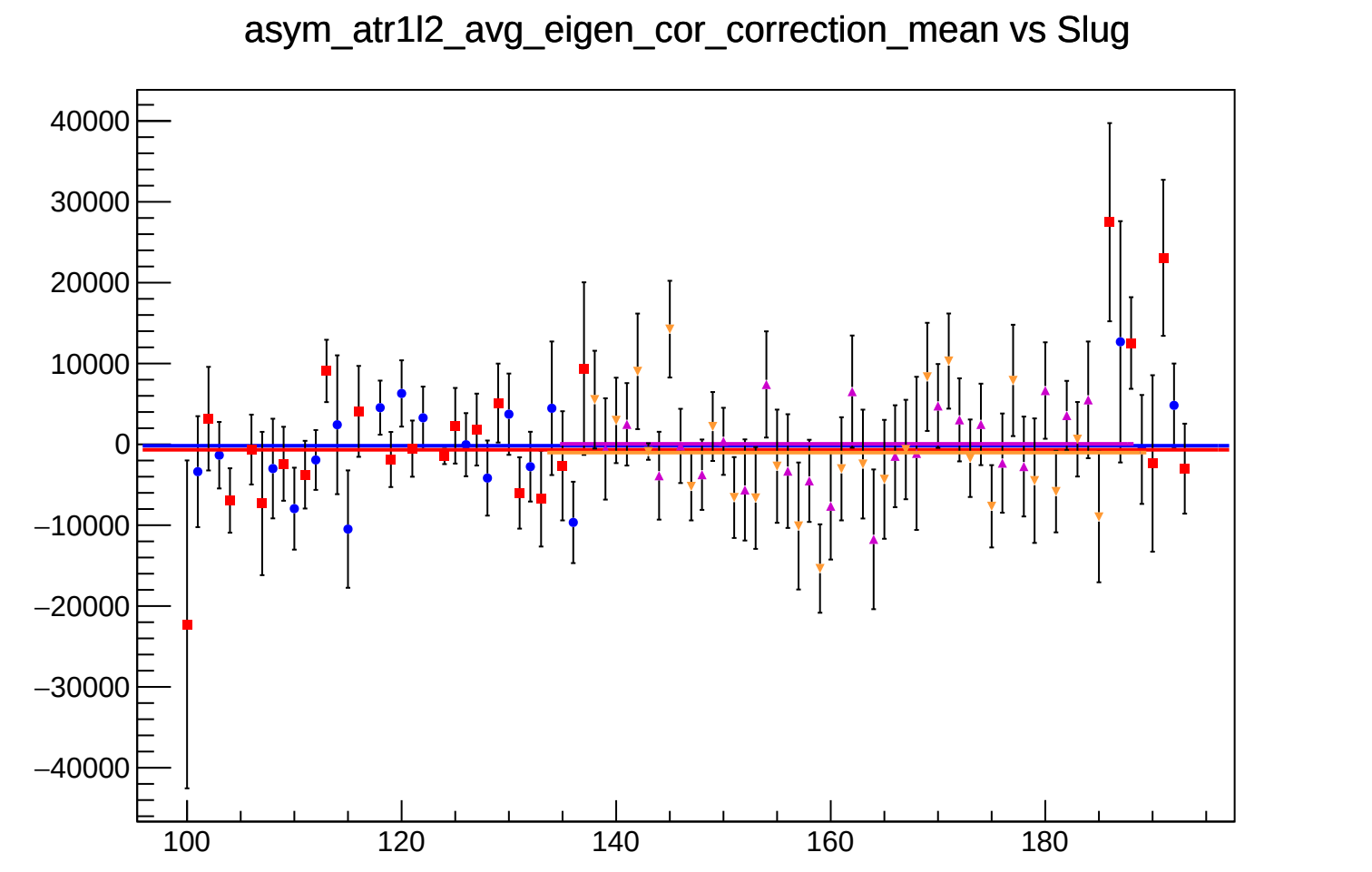
Right Out: 1774.207+/-0.404 χ^2/NDF: 629762.4/23

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1823.676+/-0.245 χ^2/NDF: 1031017.6/43

All: 1820.234+/-0.172 χ^2/NDF: 1749574.0/90

- sign 1816.837+/-0.243 χ^2/NDF: 718163.3/46



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: -672.180+/-714.598 χ^2/NDF: 35.7/23

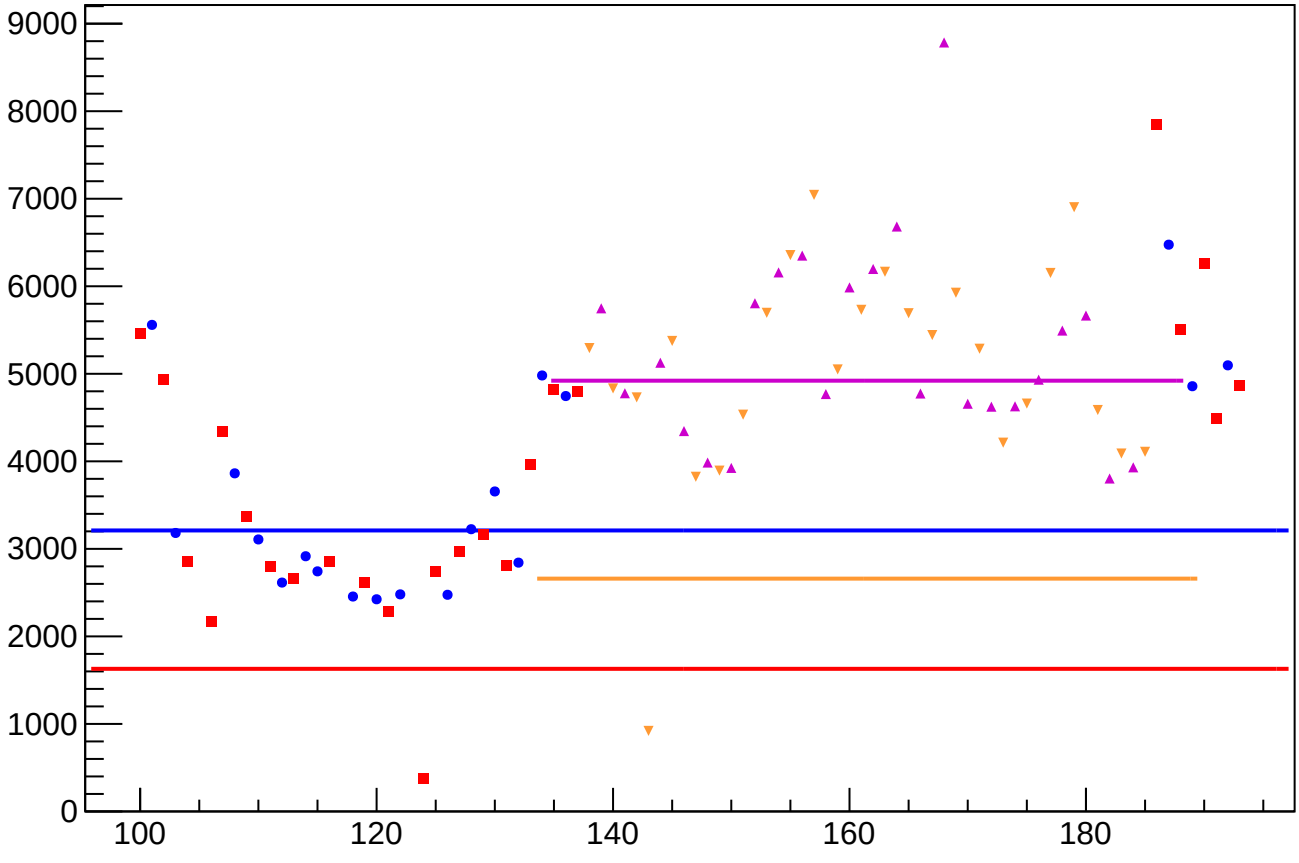
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -747.337+/-636.401 χ^2/NDF: 51.9/43

All: -604.687+/-440.497 χ^2/NDF: 101.0/90

- sign -473.484+/-610.331 χ^2/NDF: 49.1/46

asym_atr1l2_avg_eigen_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: 1629.455+/-0.505 χ^2/NDF: 9610752.6/23

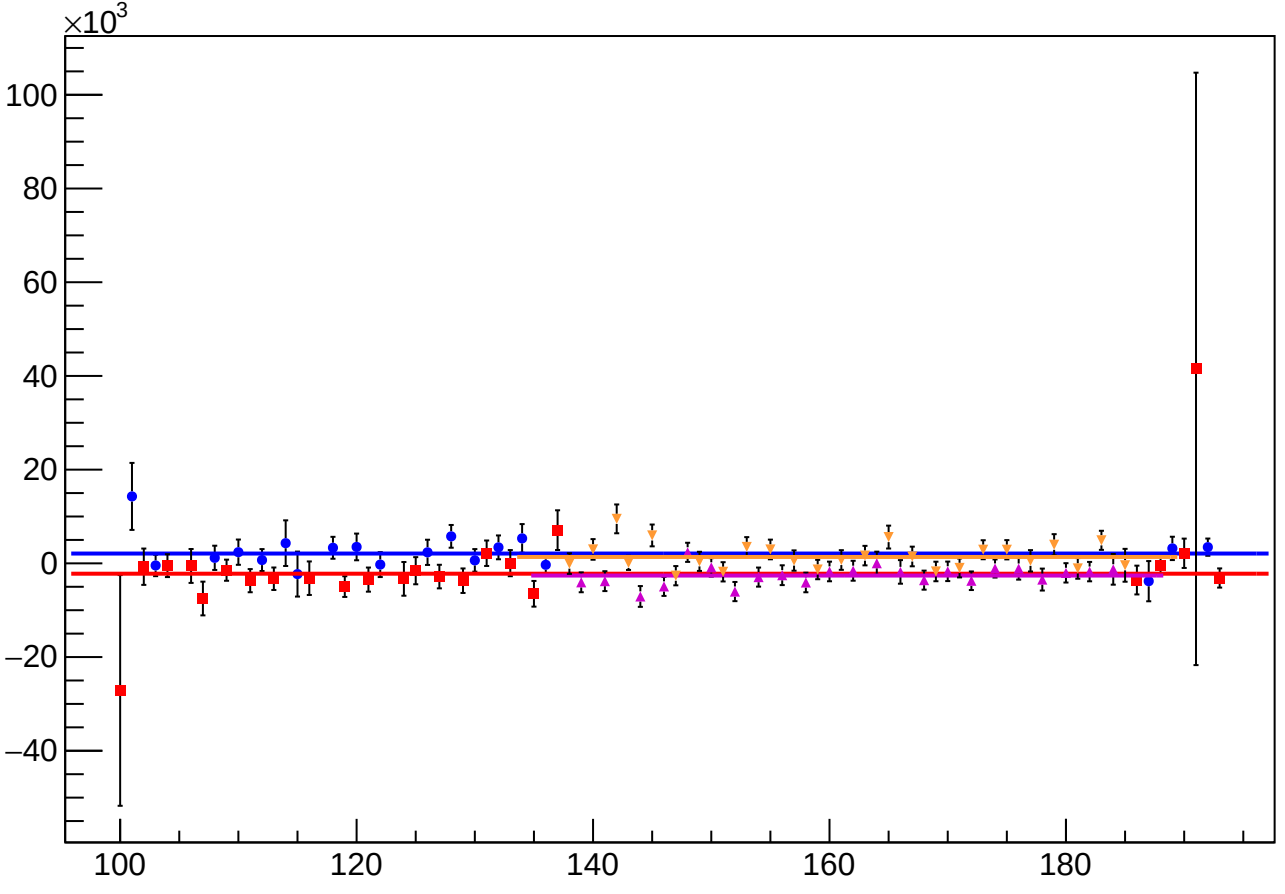
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2836.085+/-0.450 χ^2/NDF: 16289539.5/43

All: 2671.438+/-0.311 χ^2/NDF: 38890121.0/9

- sign 2520.005+/-0.432 χ^2/NDF: 22343589.0/46

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: -2209.310+/-575.194 χ^2/NDF: 21.2/23

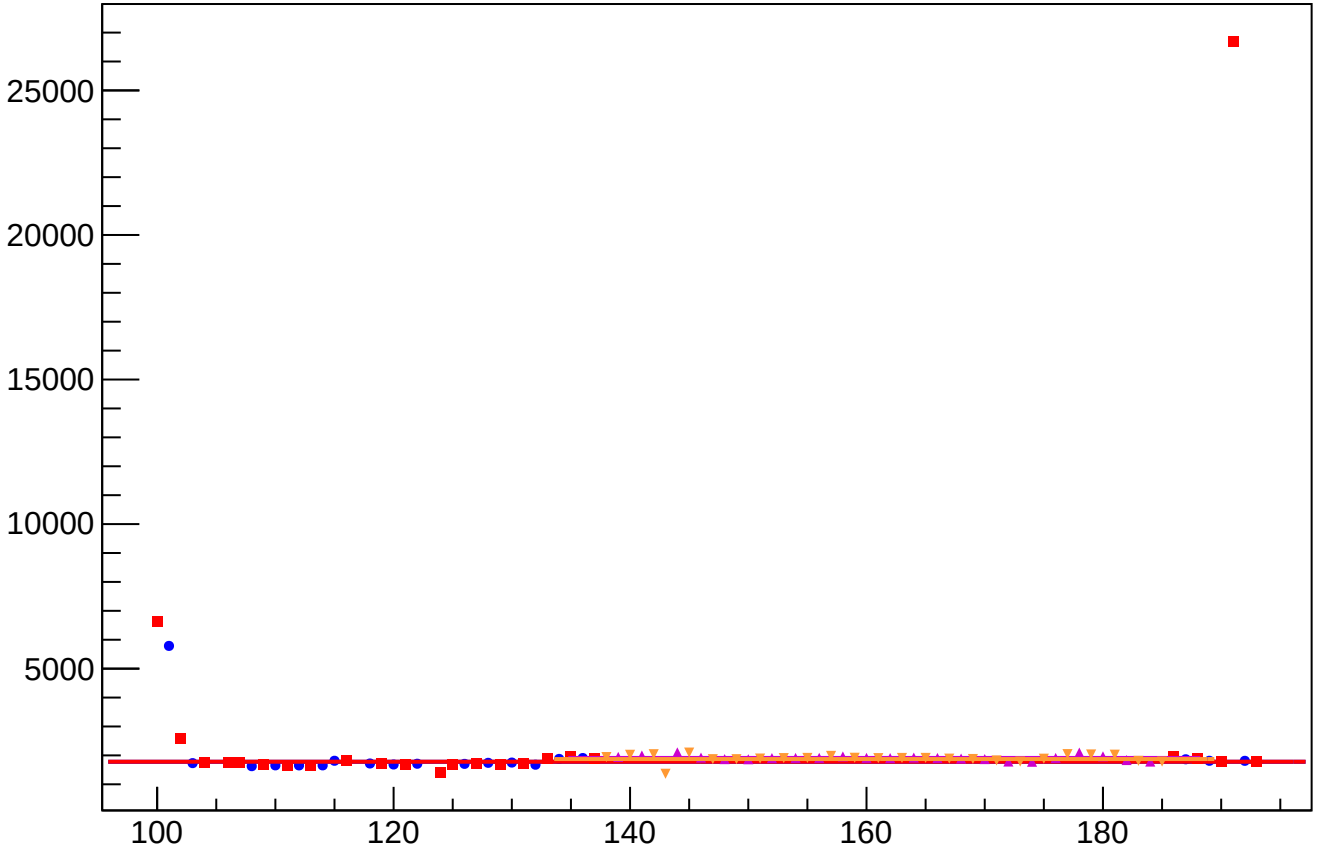
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1605.707+/-349.466 χ^2/NDF: 52.2/43

All: -405.118+/-248.289 χ^2/NDF: 160.5/90

- sign -2454.768+/-352.824 χ^2/NDF: 41.5/46

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: 1781.170+/-0.406 χ^2/NDF: 552052.4/23

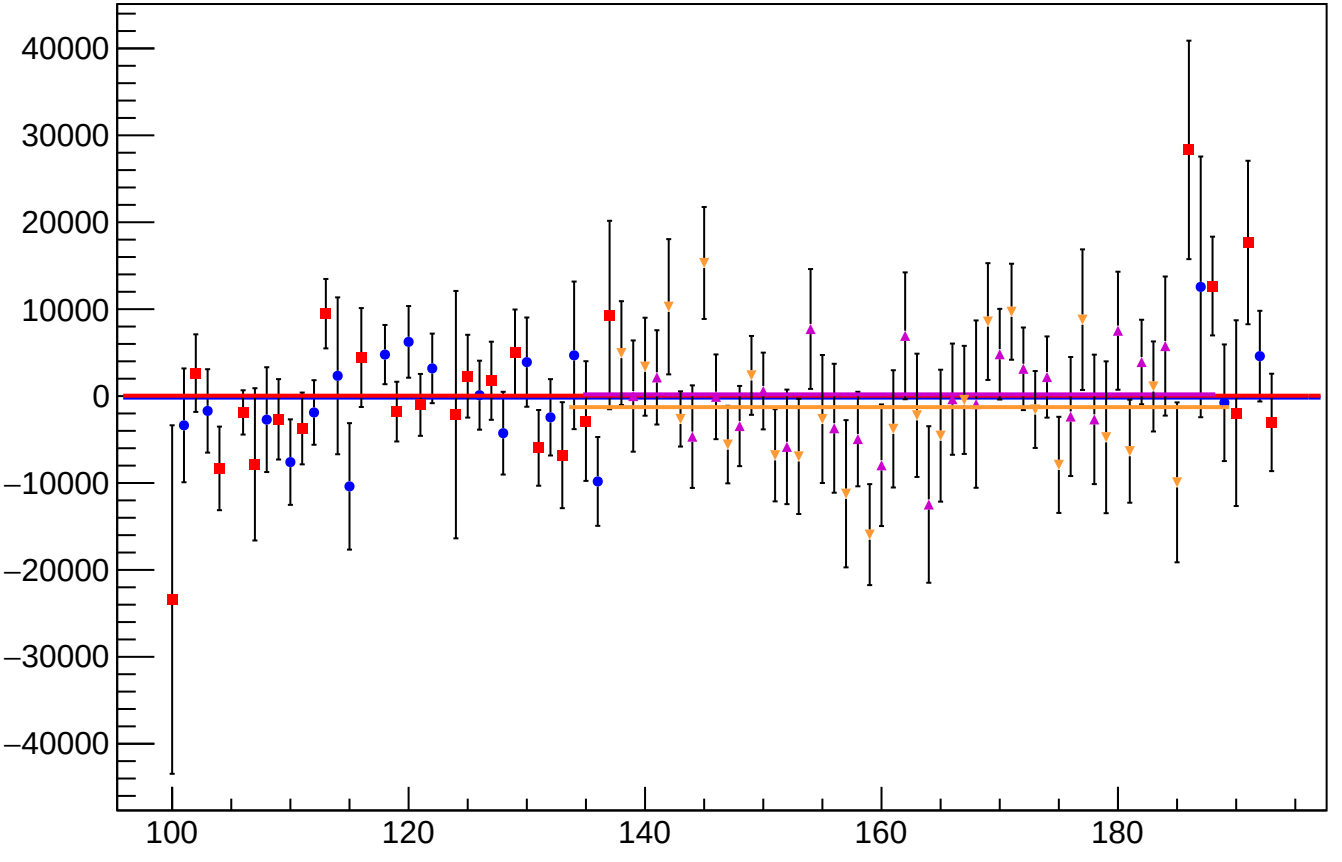
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1841.590+/-0.247 χ^2/NDF: 1012395.4/43

All: 1851.849+/-0.175 χ^2/NDF: 1691198.9/90

- sign 1862.290+/-0.249 χ^2/NDF: 675326.0/46

asym_atr1l2_avg_dit_correction_mean vs Slug



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: 44.440+/-1018.745 χ^2/NDF: 33.2/23

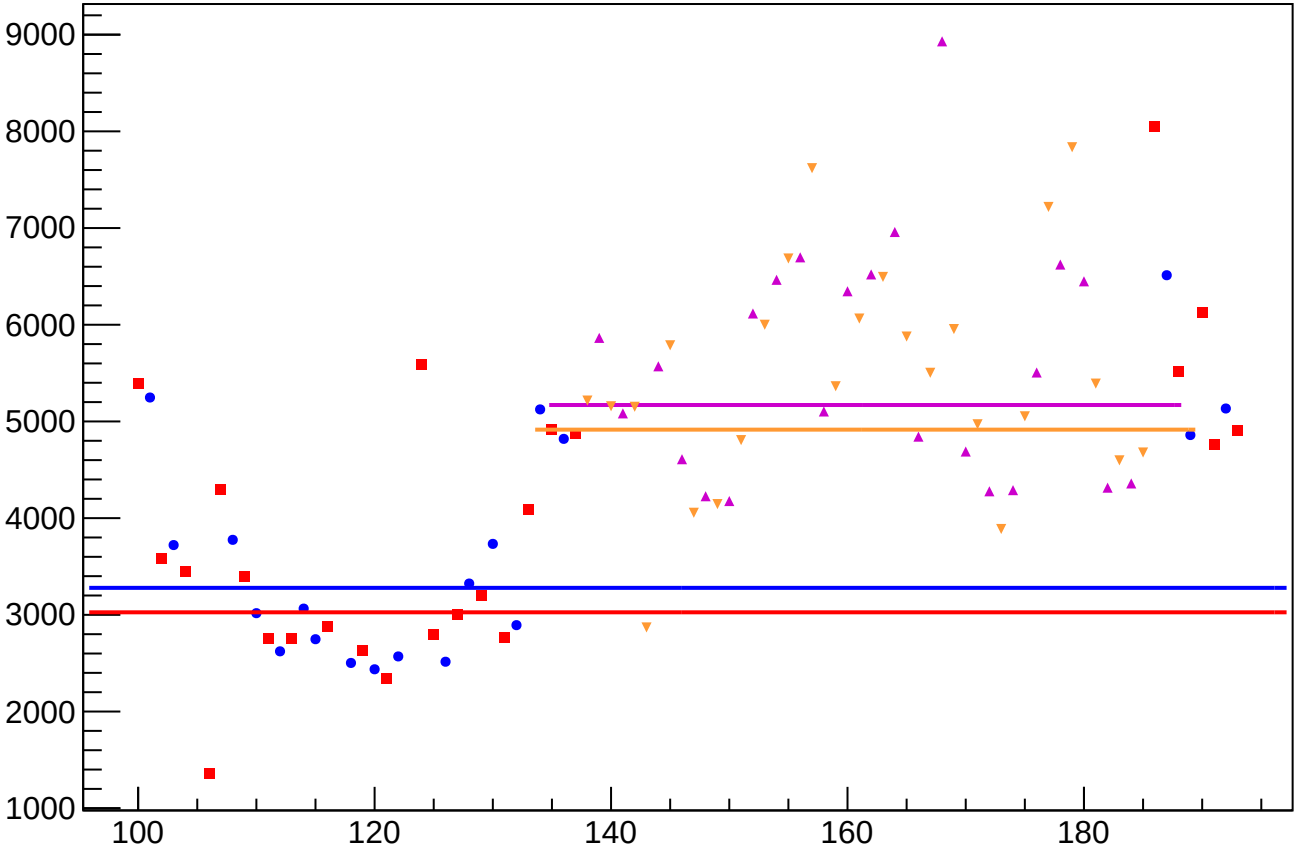
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -717.705+/-814.400 χ^2/NDF: 51.3/43

All: -291.003+/-565.468 χ^2/NDF: 97.7/90

- sign 106.209+/-785.754 χ^2/NDF: 45.9/46

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: 3026.126+/-0.720 χ^2/NDF: 2619093.1/23

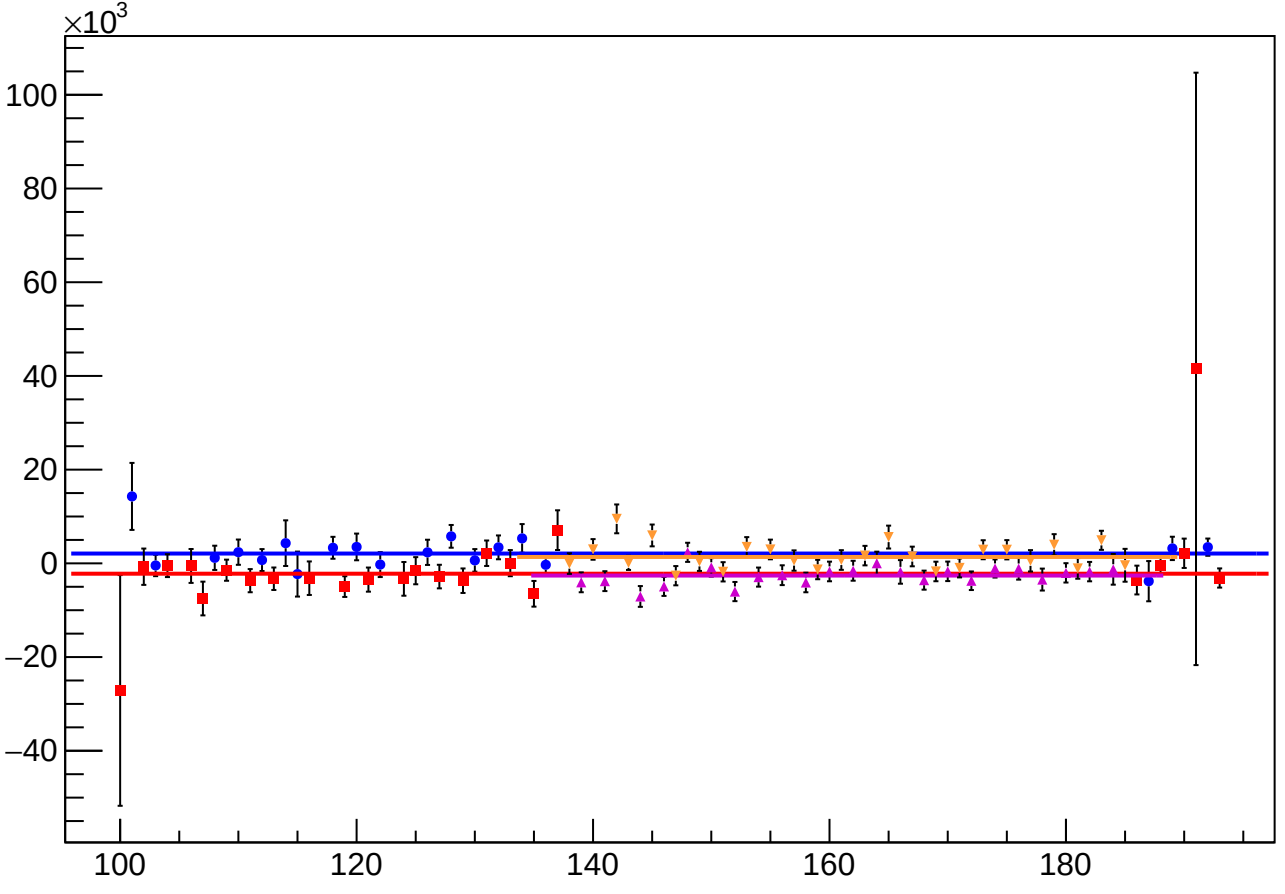
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4090.972+/-0.576 χ^2/NDF: 5563926.0/43

All: 3989.285+/-0.400 χ^2/NDF: 13180108.9/9

- sign 3894.625+/-0.556 χ^2/NDF: 7555975.7/46

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: -2209.310+/-575.194 χ^2/NDF: 21.2/23

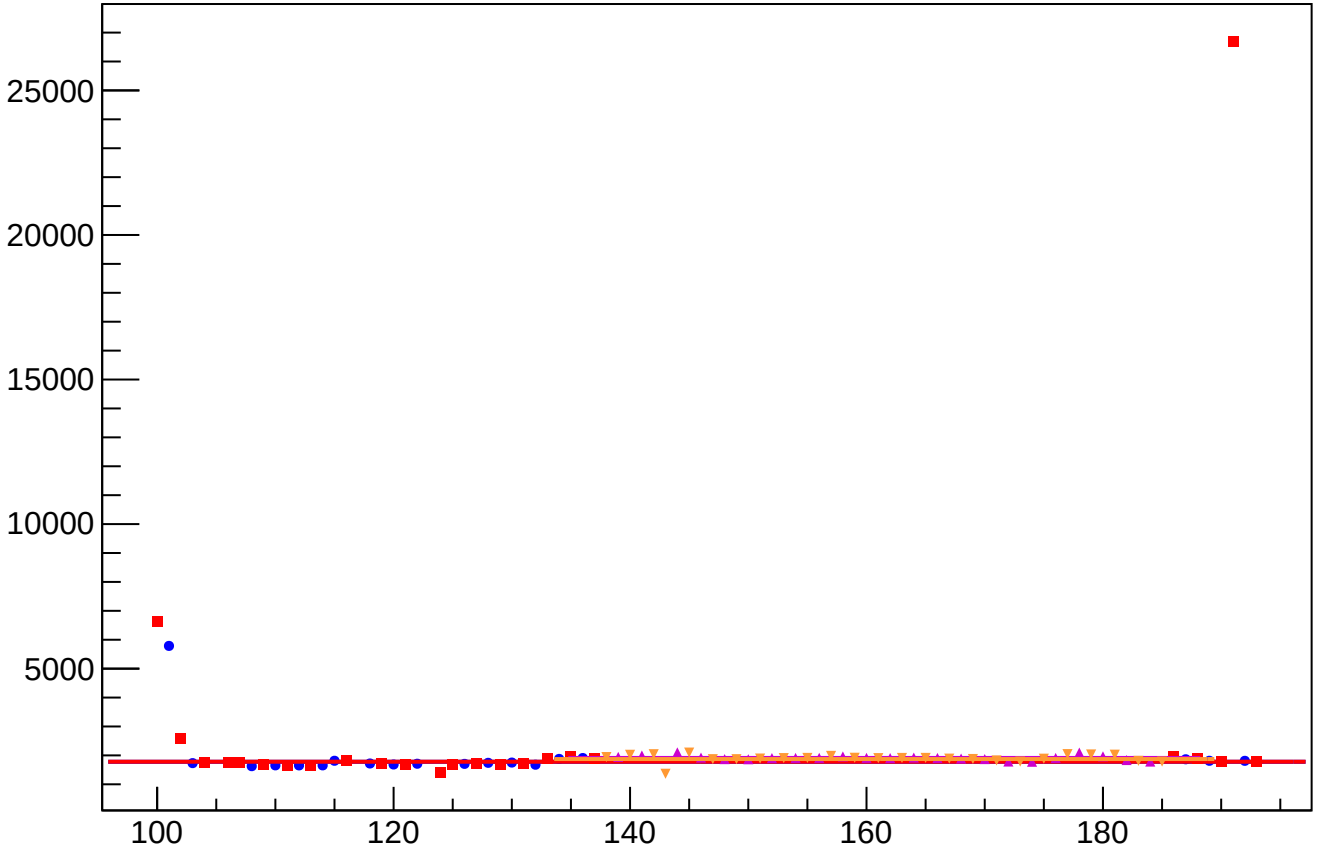
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1605.705+/-349.467 χ^2/NDF: 52.2/43

All: -405.118+/-248.289 χ^2/NDF: 160.5/90

- sign -2454.767+/-352.824 χ^2/NDF: 41.5/46

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

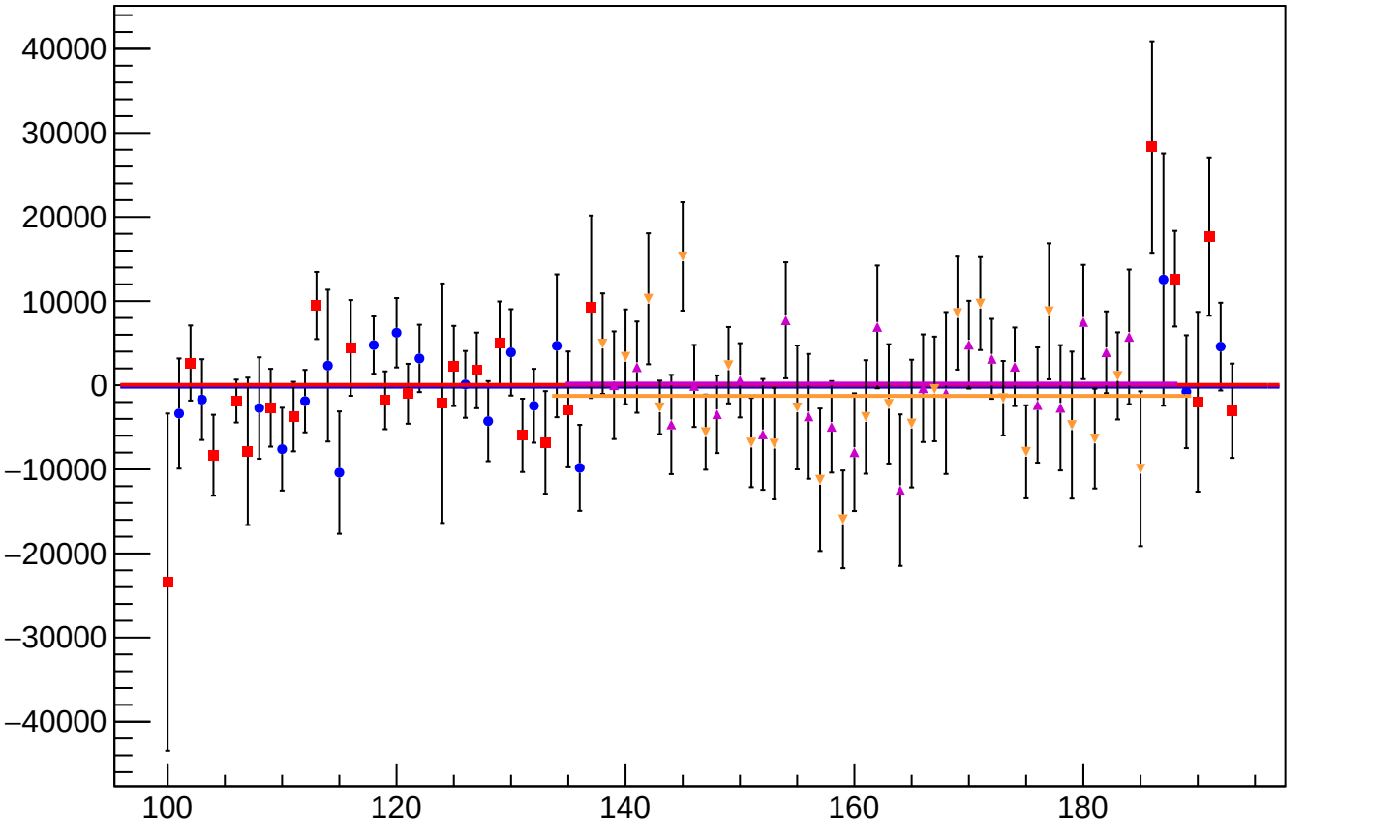
Right Out: 1781.170+/-0.406 χ^2/NDF: 552052.4/23

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1841.591+/-0.247 χ^2/NDF: 1012399.6/43

All: 1851.850+/-0.175 χ^2/NDF: 1691206.4/90

- sign 1862.290+/-0.249 χ^2/NDF: 675329.3/46



Right In: -173.965+/-1147.386 χ^2/NDF: 17.4/18

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

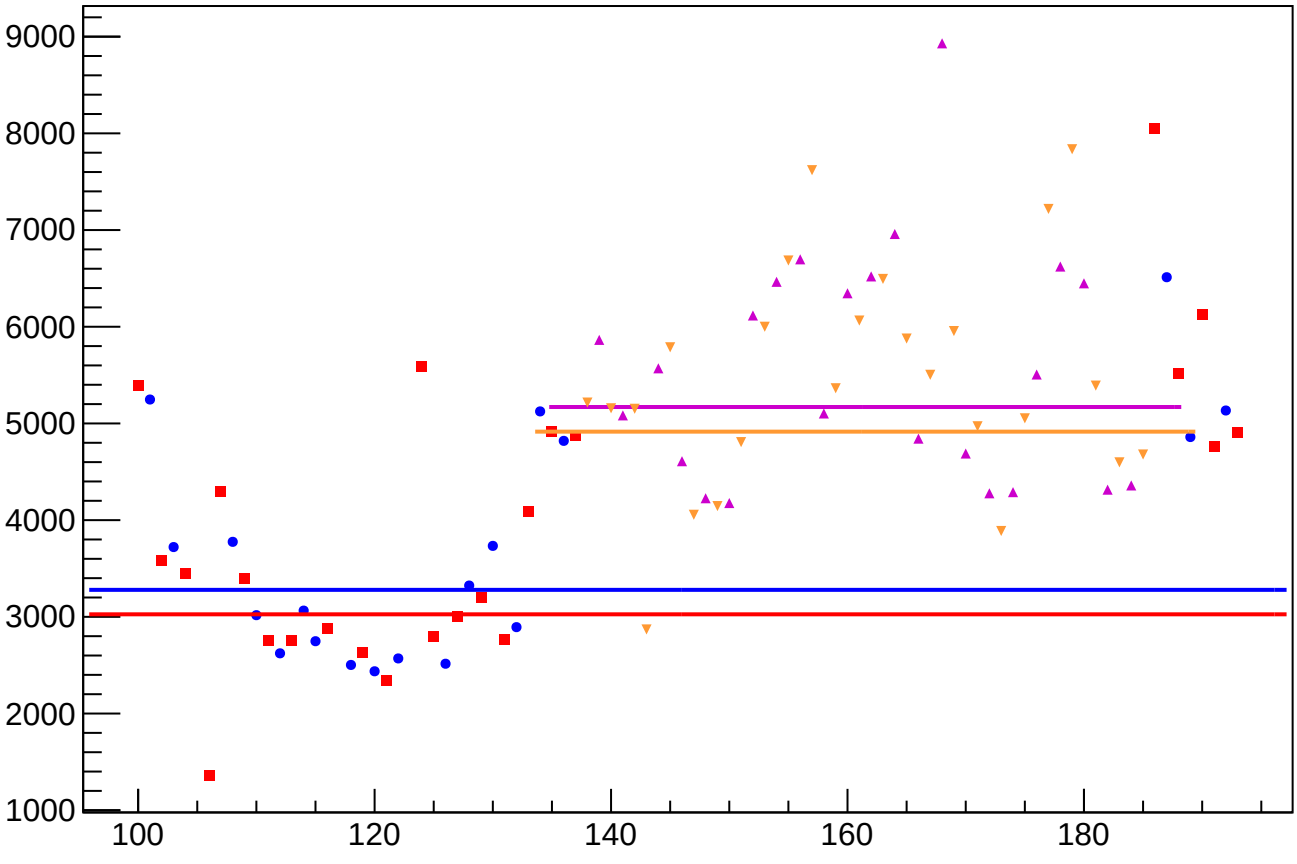
Right Out: 44.434+/-1018.741 χ^2/NDF: 33.2/23

Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -717.704+/-814.399 χ^2/NDF: 51.3/43

All: -291.004+/-565.467 χ^2/NDF: 97.7/90

- sign 106.205+/-785.753 χ^2/NDF: 45.9/46



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: 3026.113+/-0.720 χ^2/NDF: 2619128.2/23

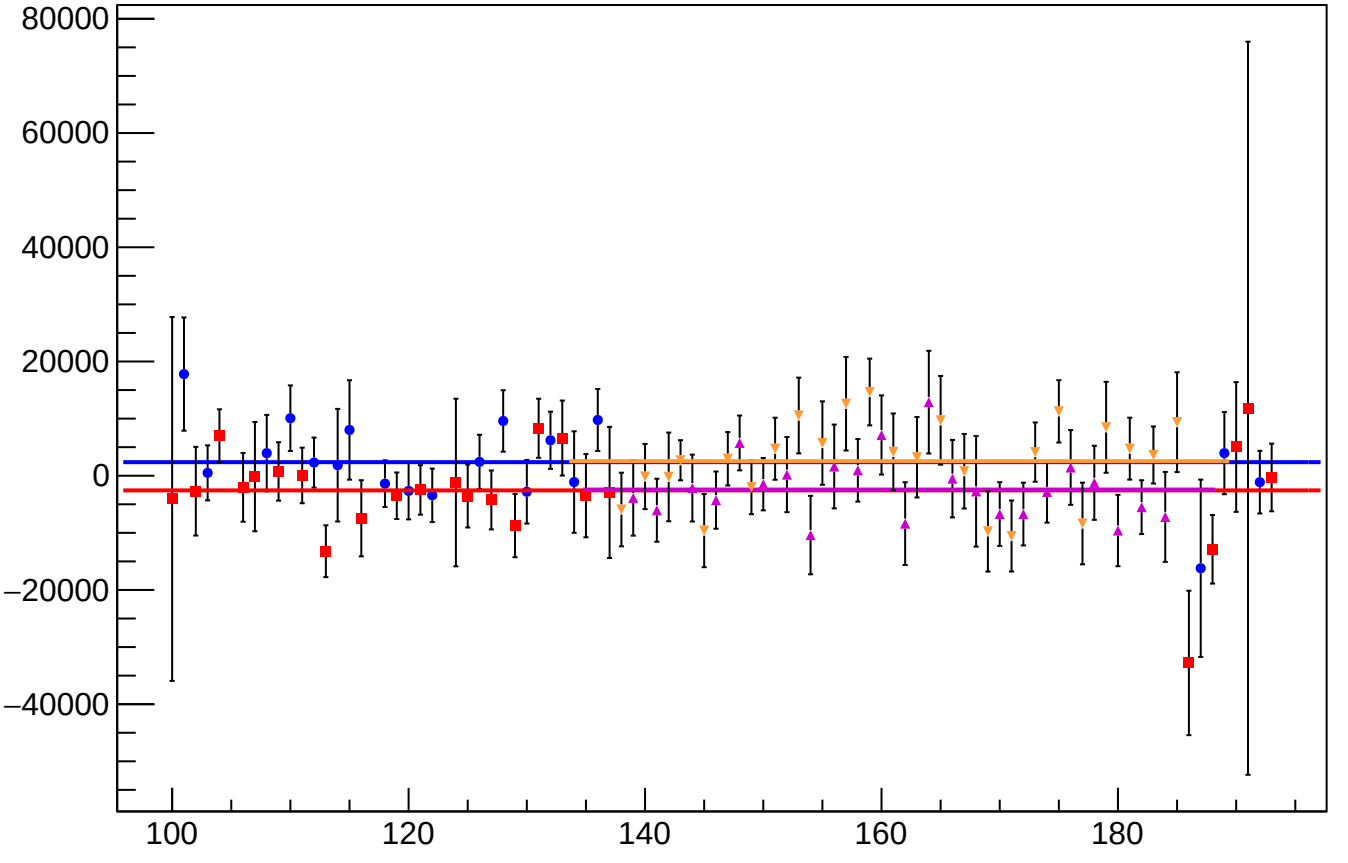
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4090.966+/-0.576 χ^2/NDF: 5563997.4/43

All: 3989.277+/-0.400 χ^2/NDF: 13180293.0/9

- sign 3894.615+/-0.556 χ^2/NDF: 7556085.9/46

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: -2565.250+/-1256.577 χ^2/NDF: 28.2/23

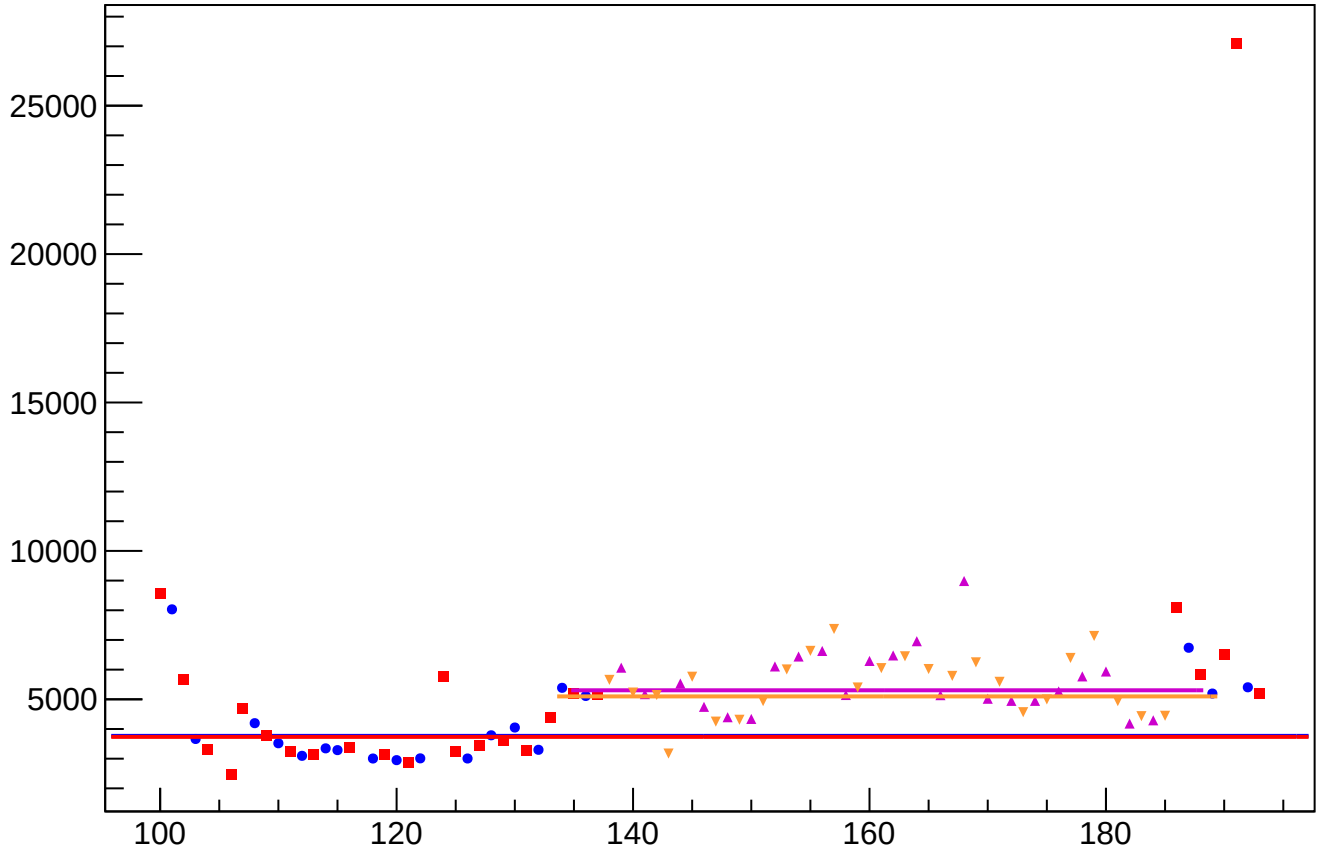
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2469.744+/-880.178 χ^2/NDF: 44.5/43

All: 14.200+/-625.691 χ^2/NDF: 103.4/90

- sign -2494.307+/-889.620 χ^2/NDF: 43.2/46

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

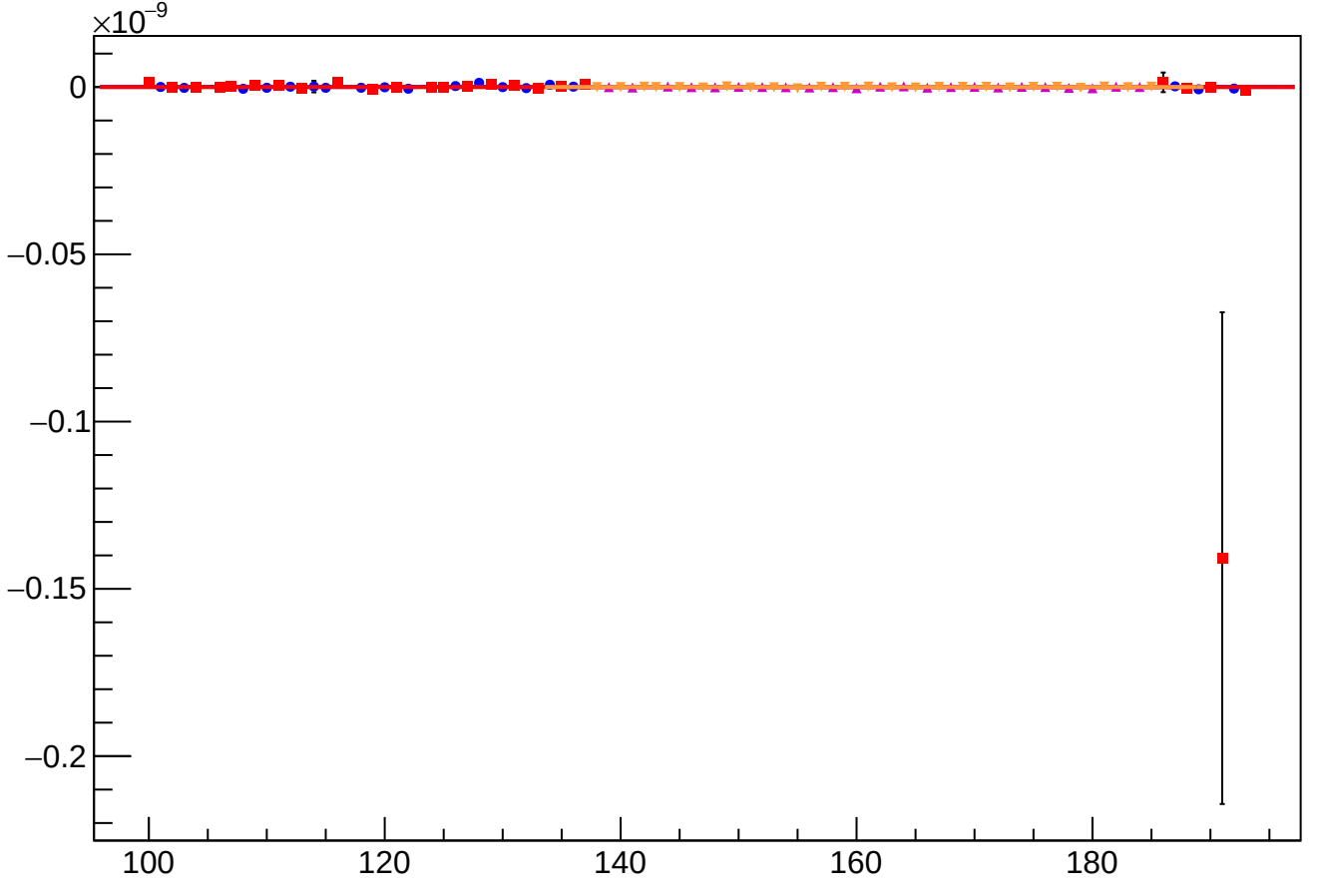
Right Out: 3734.511+/-0.877 χ^2/NDF: 1740311.1/23

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4498.421+/-0.622 χ^2/NDF: 3883959.3/43

All: 4502.560+/-0.441 χ^2/NDF: 8220059.9/90

- sign 4506.731+/-0.625 χ^2/NDF: 4336011.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

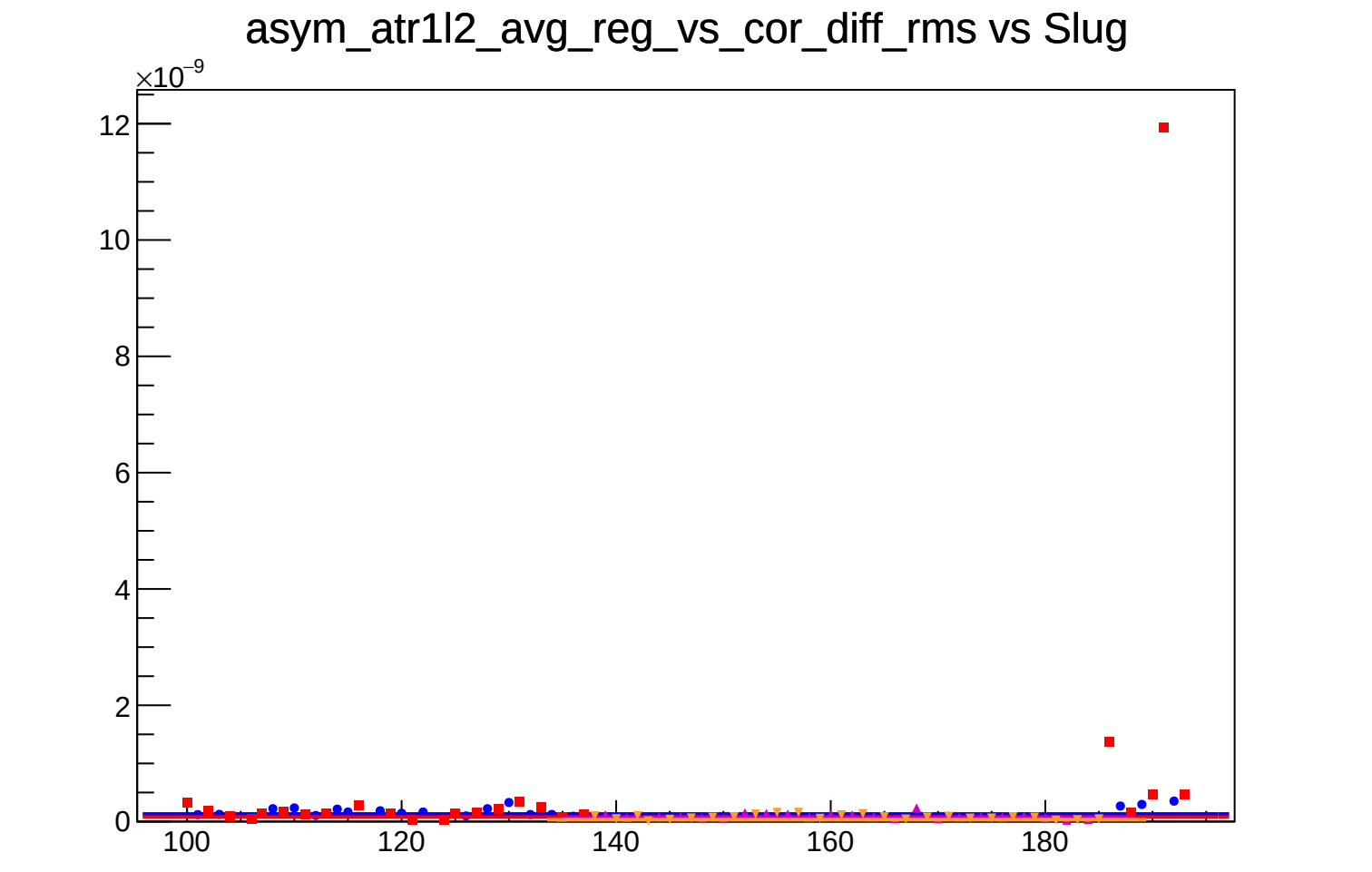
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/23

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: 88.6/90

- sign 0.000+/-0.000 χ^2/NDF: 53.3/46



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: 3630054.1/23

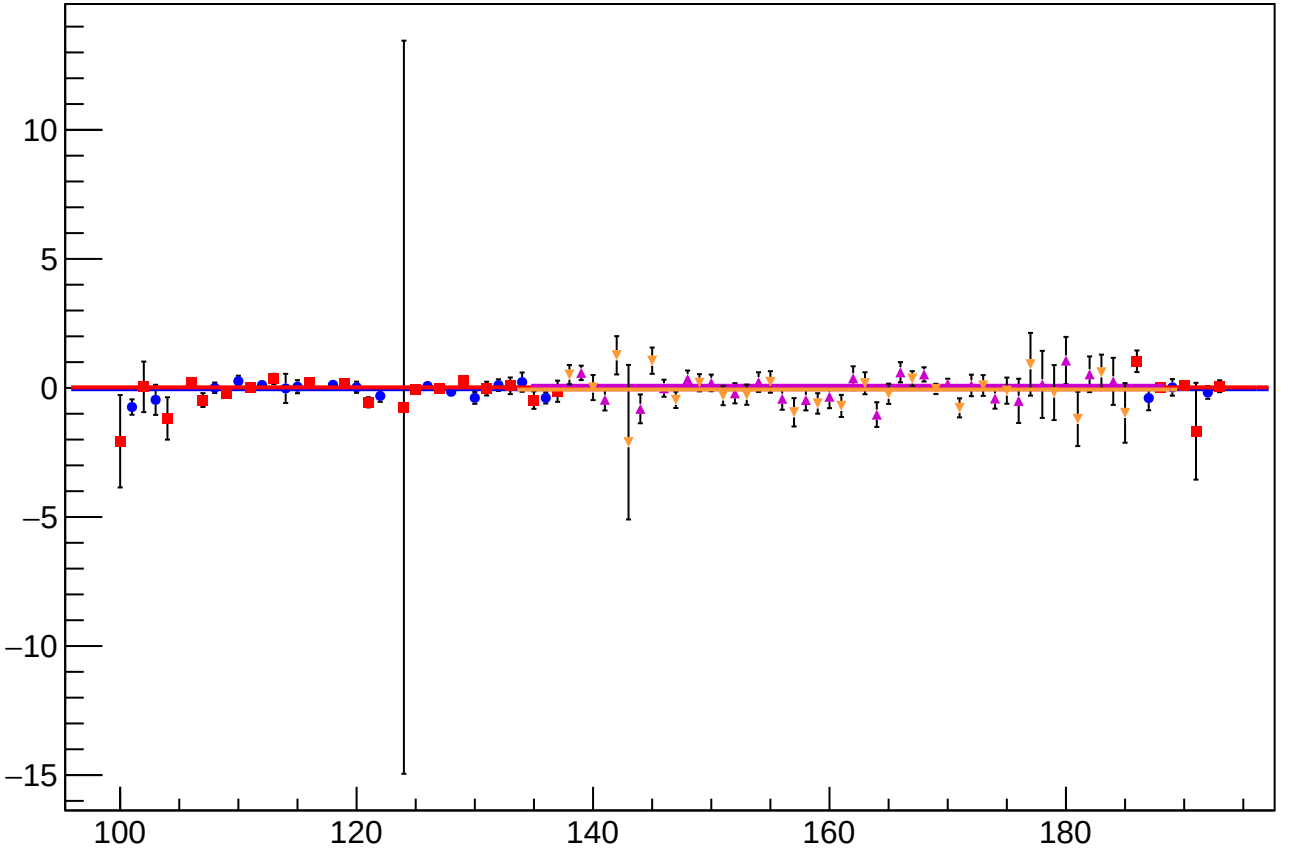
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10855682.0/43

All: 0.000+/-0.000 χ^2/NDF: 19298031.6/90

- sign 0.000+/-0.000 χ^2/NDF: 6152851.2/46

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: 0.023+/-0.044 χ^2/NDF: 35.7/23

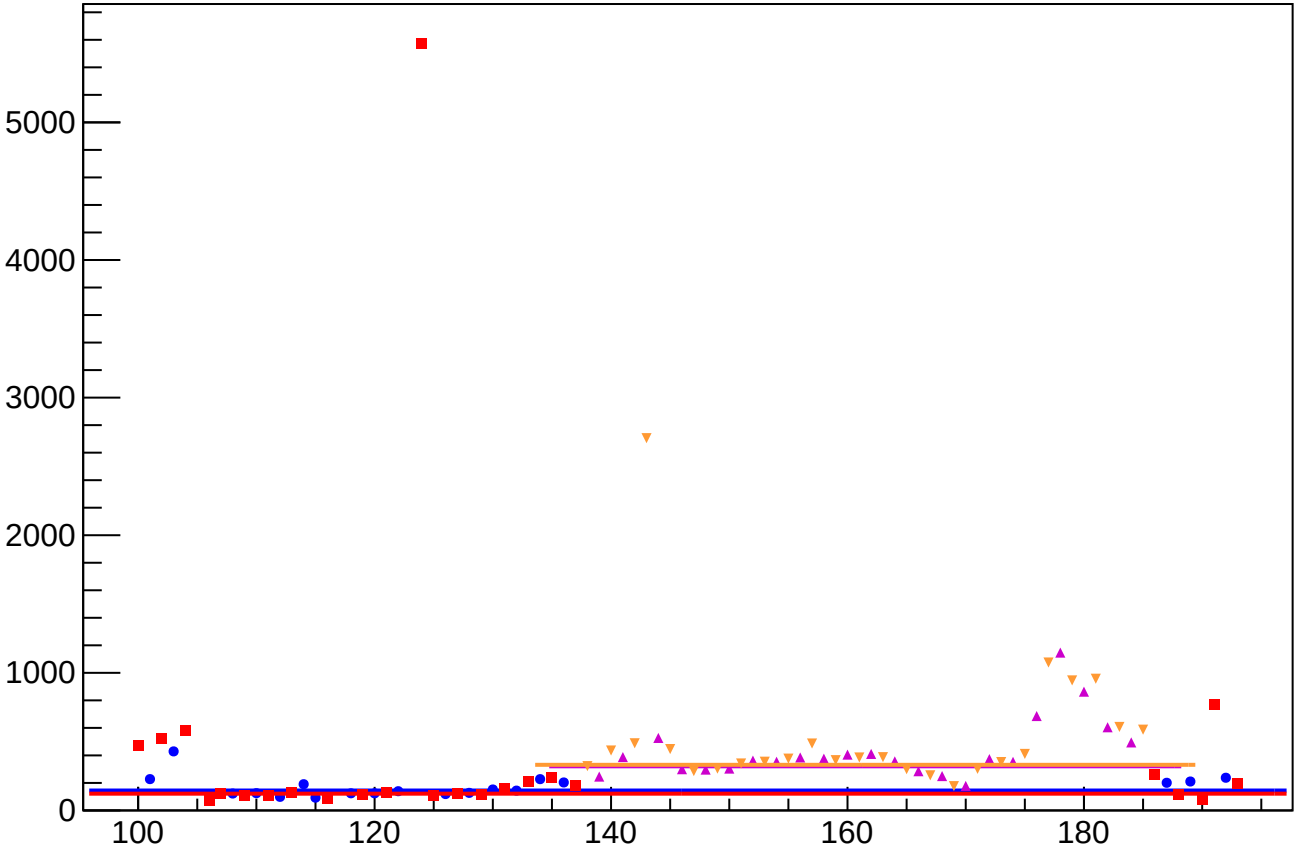
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.052+/-0.045 χ^2/NDF: 49.6/43

All: -0.001+/-0.029 χ^2/NDF: 115.0/90

- sign 0.037+/-0.039 χ^2/NDF: 63.2/46

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

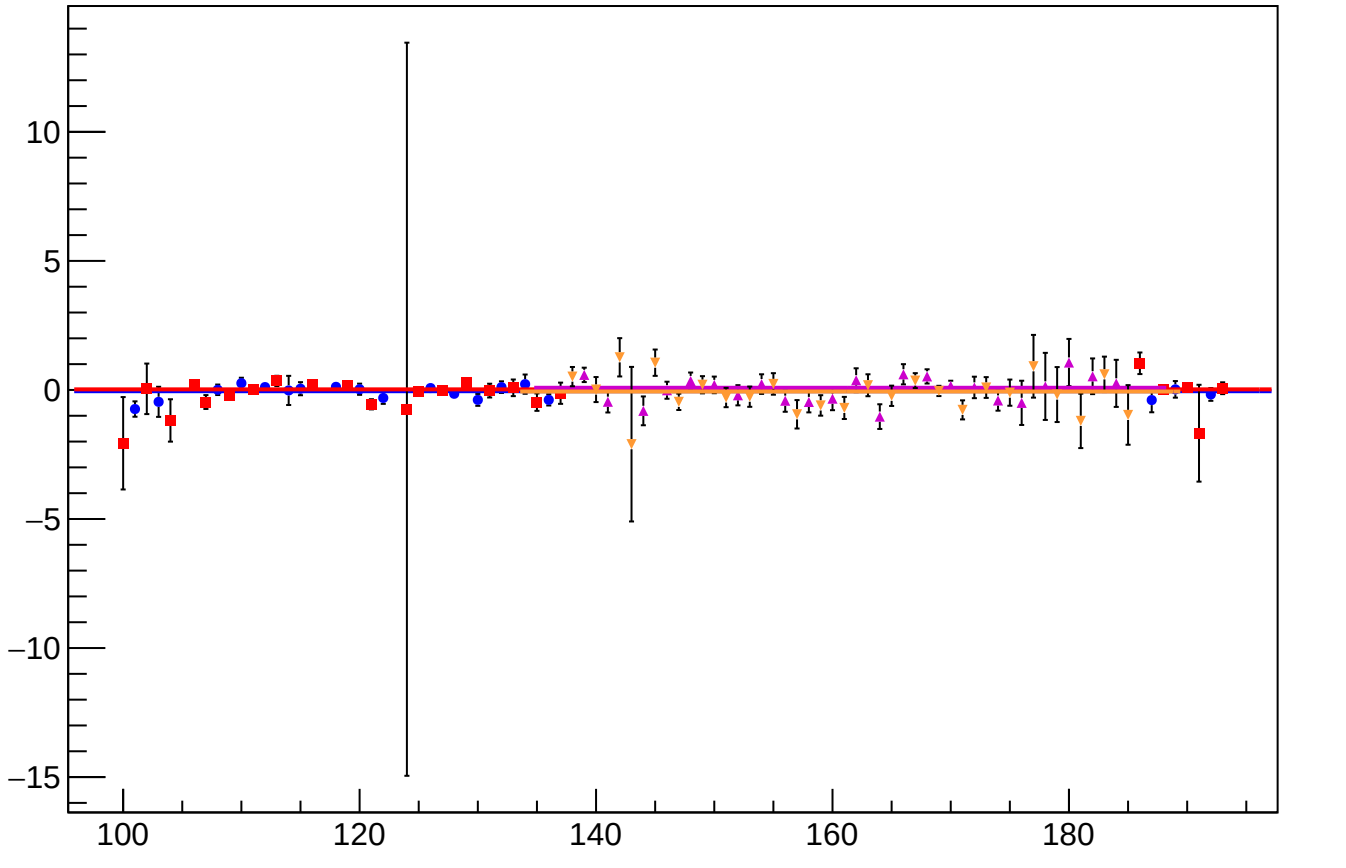
Right Out: 121.922+/-0.031 χ^2/NDF: 2970885.0/23

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 198.840+/-0.032 χ^2/NDF: 14617883.8/43

All: 181.092+/-0.021 χ^2/NDF: 31619790.0/90

- sign 167.774+/-0.028 χ^2/NDF: 16456955.3/46



Right In: -0.049+/-0.053 χ^2/NDF: 18.8/18

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

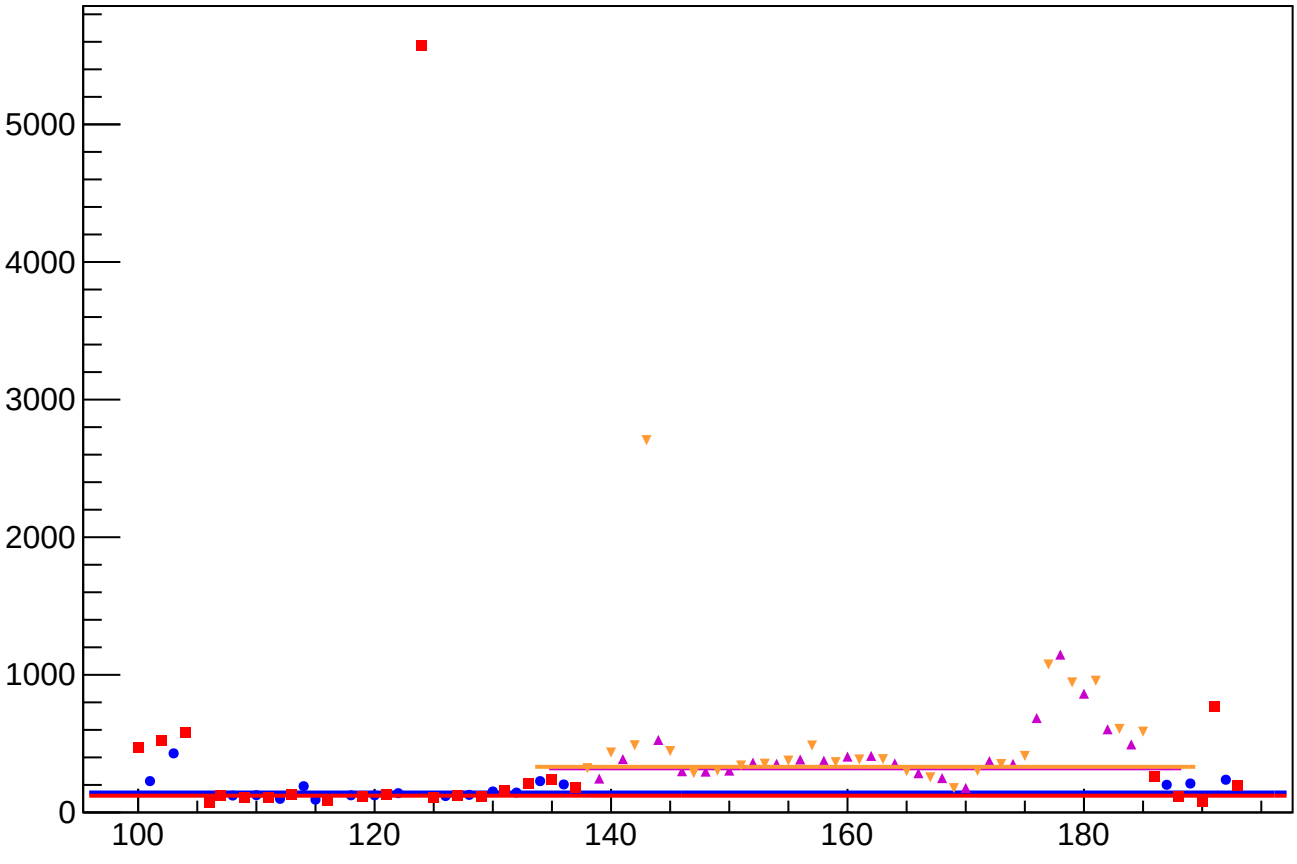
Right Out: 0.023+/-0.044 χ^2/NDF: 35.7/23

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.052+/-0.045 χ^2/NDF: 49.6/43

All: -0.001+/-0.029 χ^2/NDF: 115.0/90

- sign 0.037+/-0.039 χ^2/NDF: 63.2/46



Right In: 144.886+/-0.038 χ^2/NDF: 1697243.8/18

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

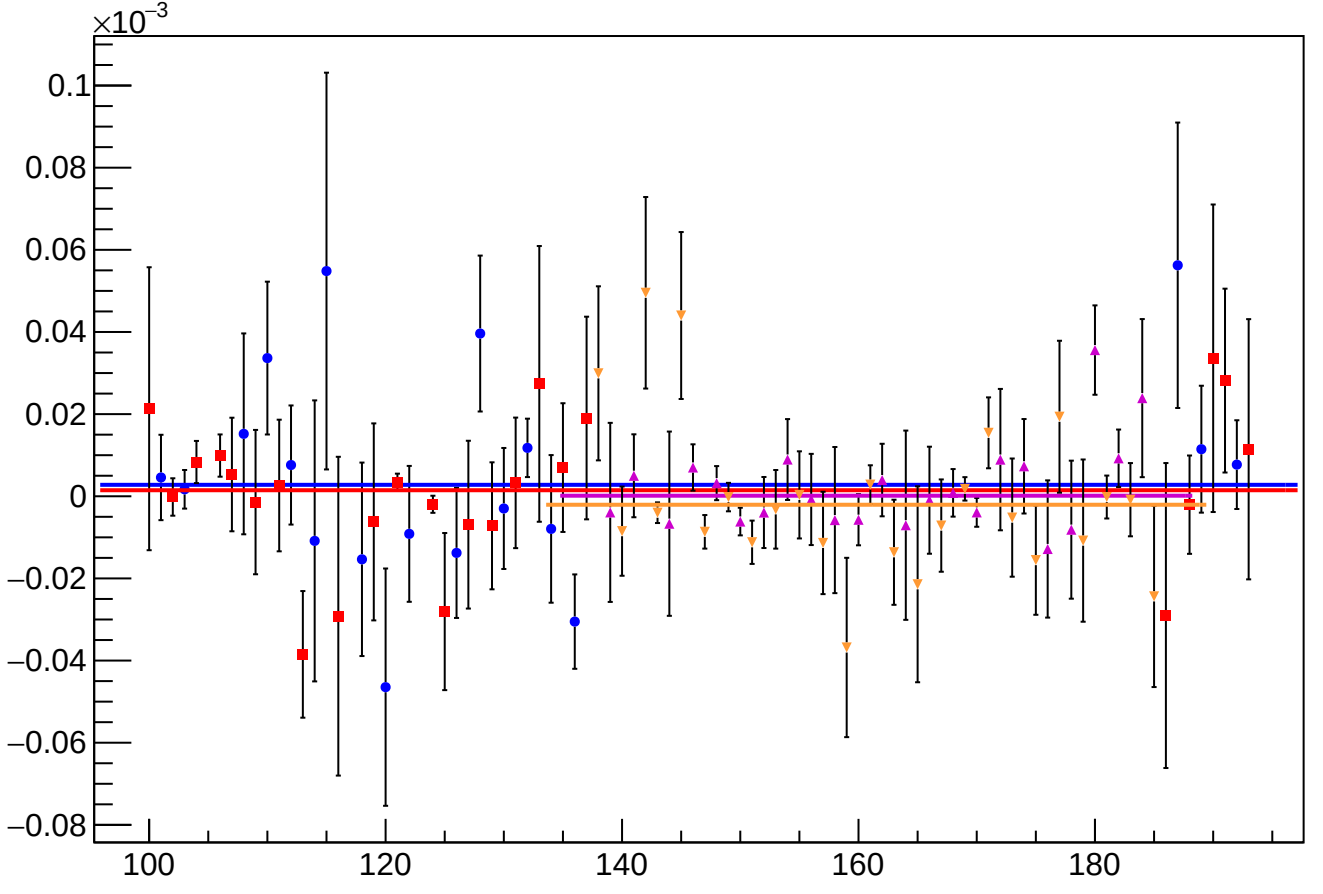
Right Out: 121.922+/-0.031 χ^2/NDF: 2970885.0/23

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 198.840+/-0.032 χ^2/NDF: 14617883.8/43

All: 181.092+/-0.021 χ^2/NDF: 31619790.0/90

- sign 167.774+/-0.028 χ^2/NDF: 16456955.3/46



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: 23.3/23

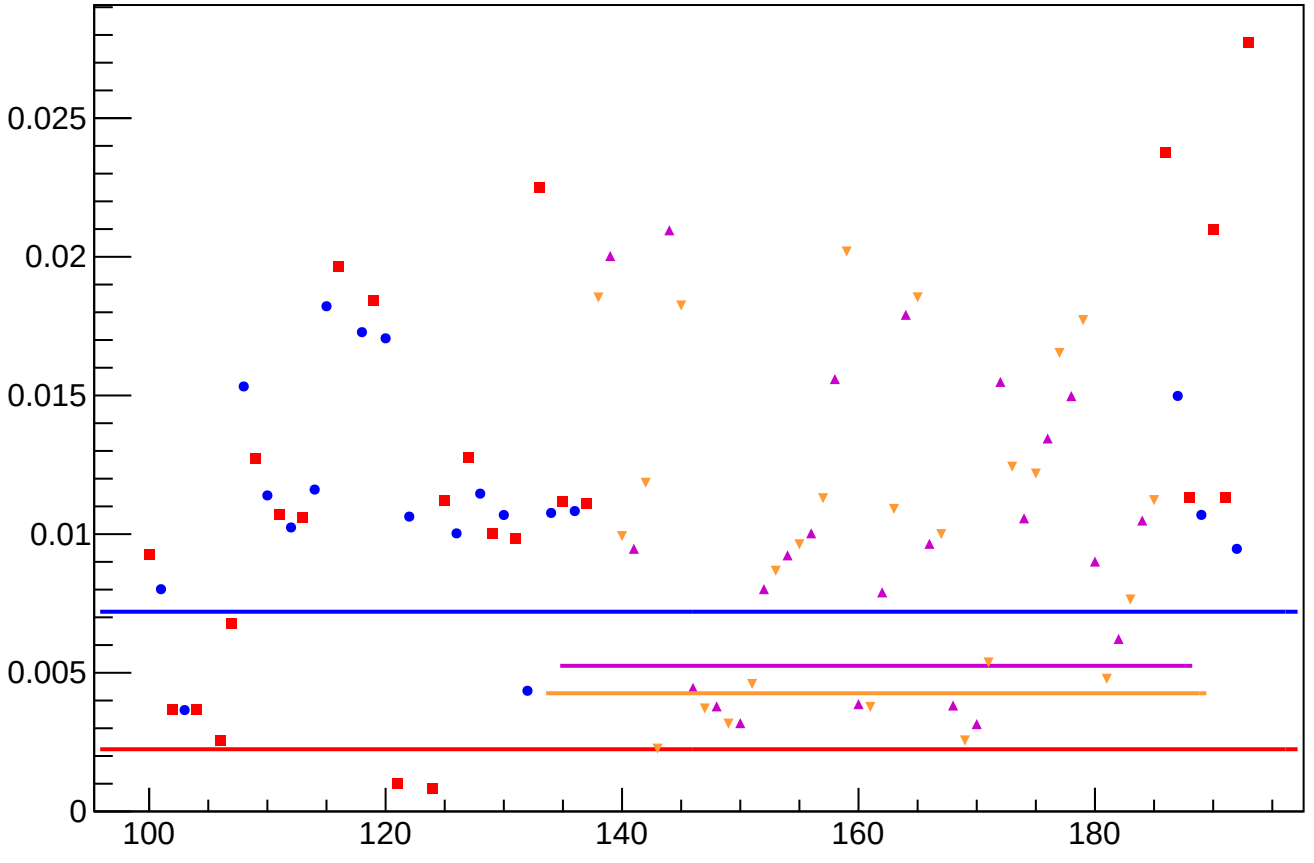
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.1/43

All: 0.000+/-0.000 χ^2/NDF: 114.9/90

- sign 0.000+/-0.000 χ^2/NDF: 48.6/46

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: 13010566.7/23

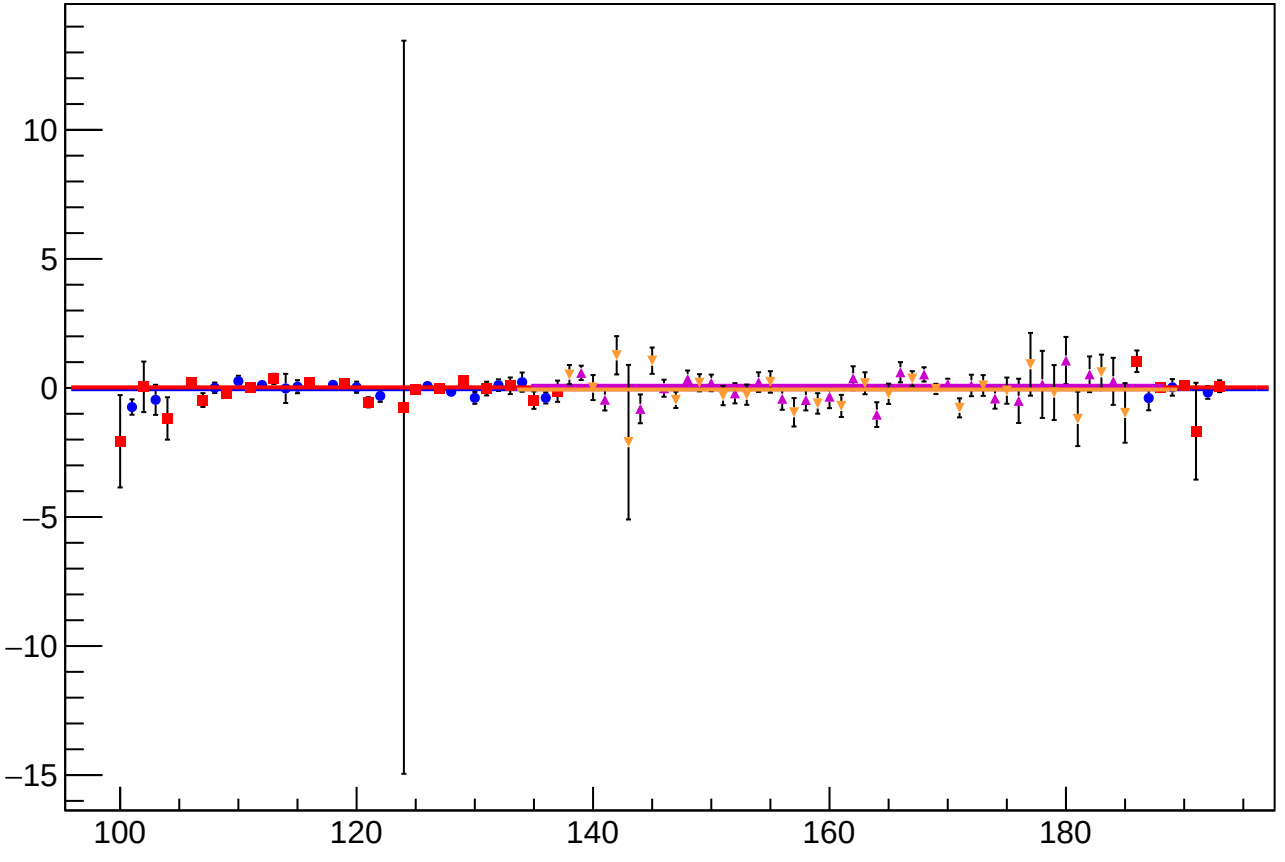
Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 18354900.6/43

All: 0.004+/-0.000 χ^2/NDF: 47095908.1/90

- sign 0.003+/-0.000 χ^2/NDF: 27235881.3/46

asym_atr1l2_avg_eigen_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: 0.023+/-0.044 χ^2/NDF: 35.7/23

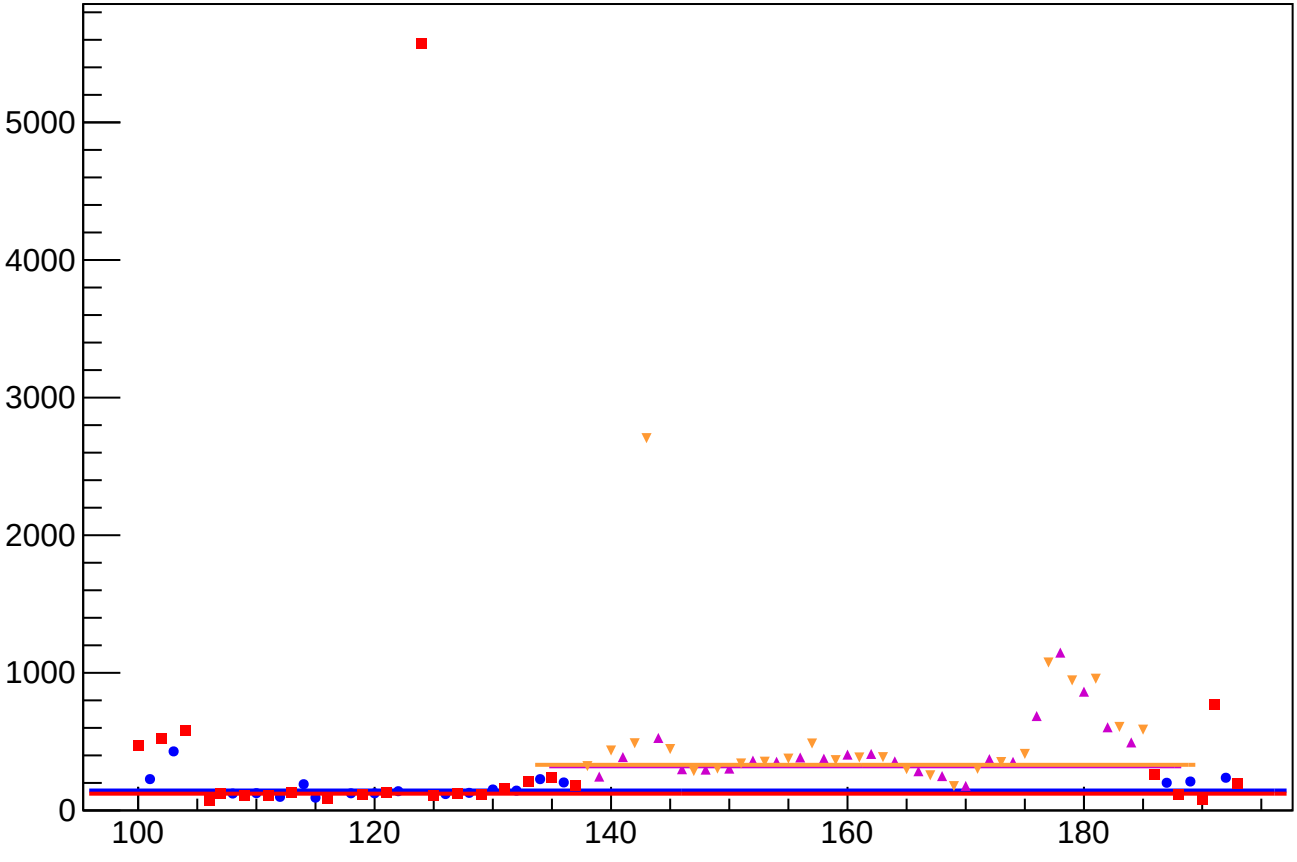
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.052+/-0.045 χ^2/NDF: 49.6/43

All: -0.001+/-0.029 χ^2/NDF: 115.0/90

- sign 0.037+/-0.039 χ^2/NDF: 63.2/46

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

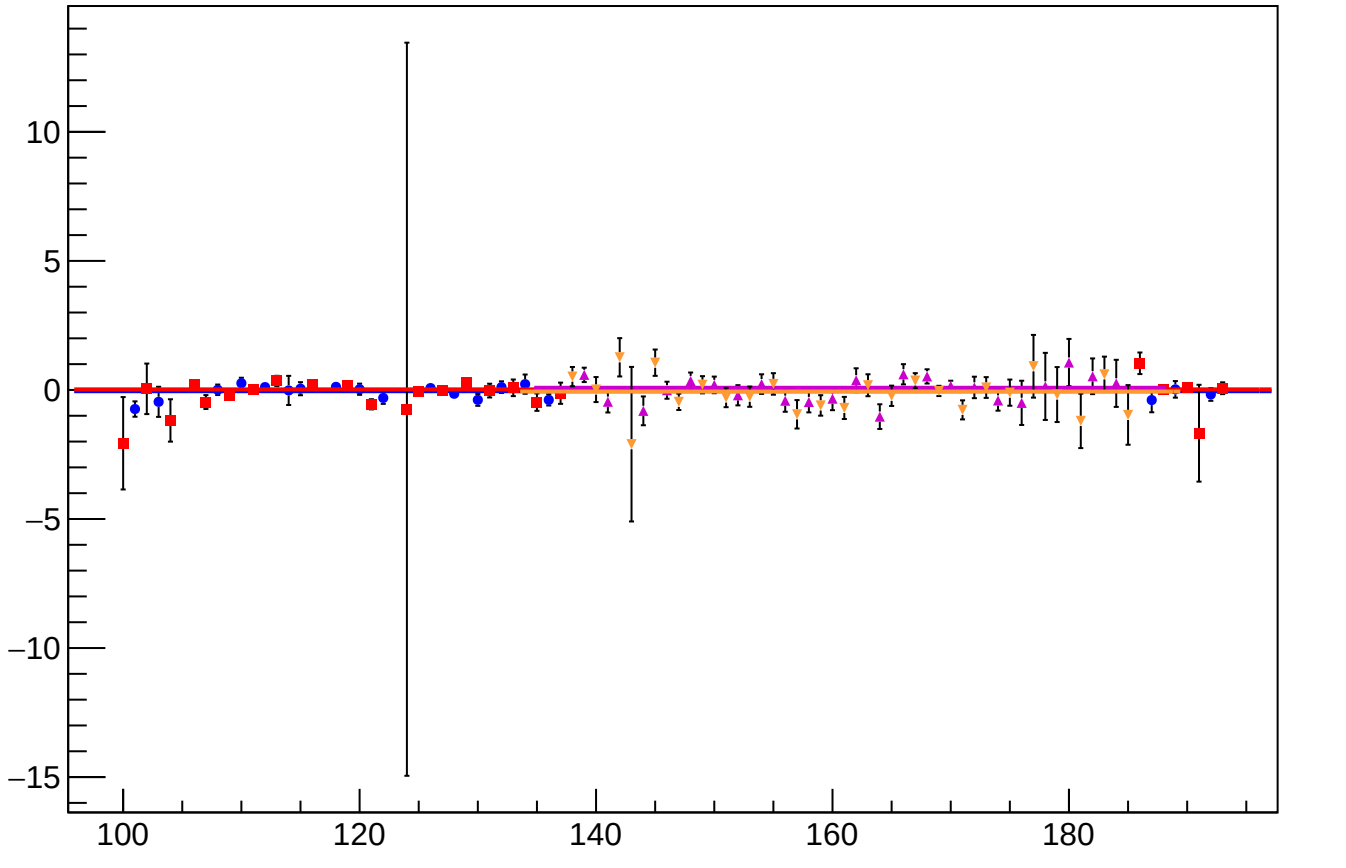
Right Out: 121.922+/-0.031 χ^2/NDF: 2970822.6/23

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 198.841+/-0.032 χ^2/NDF: 14617854.3/43

All: 181.092+/-0.021 χ^2/NDF: 31619947.3/90

- sign 167.773+/-0.028 χ^2/NDF: 16457086.9/46



Right In: -0.049+/-0.053 χ^2/NDF: 18.8/18

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

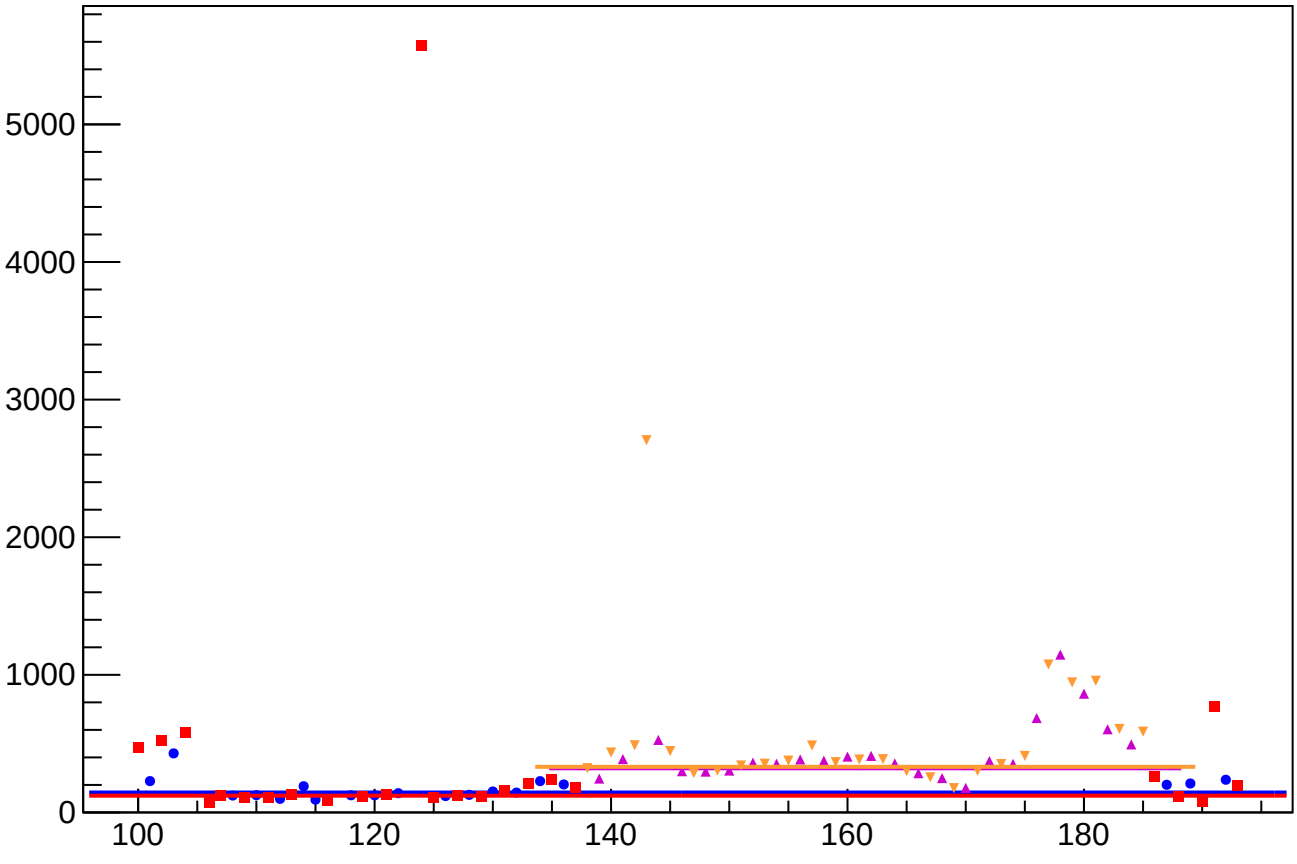
Right Out: 0.023+/-0.044 χ^2/NDF: 35.7/23

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.052+/-0.045 χ^2/NDF: 49.6/43

All: -0.001+/-0.029 χ^2/NDF: 115.0/90

\- sign 0.037+/-0.039 χ^2/NDF: 63.2/46



Right In: 144.887+/-0.038 χ^2/NDF: 1697168.1/18

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

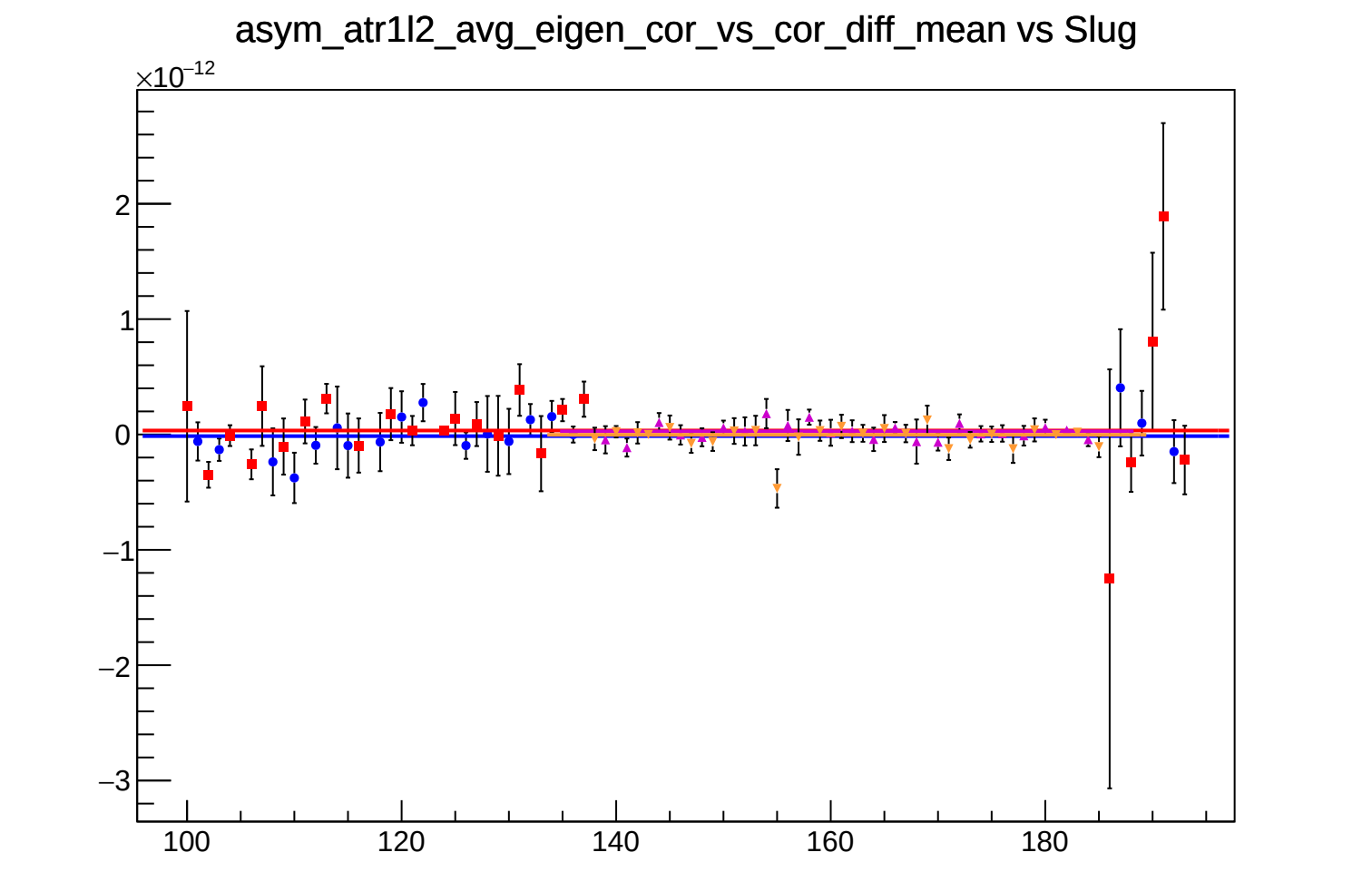
Right Out: 121.922+/-0.031 χ^2/NDF: 2970822.6/23

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 198.841+/-0.032 χ^2/NDF: 14617854.3/43

All: 181.092+/-0.021 χ^2/NDF: 31619947.3/90

- sign 167.773+/-0.028 χ^2/NDF: 16457086.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 13.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

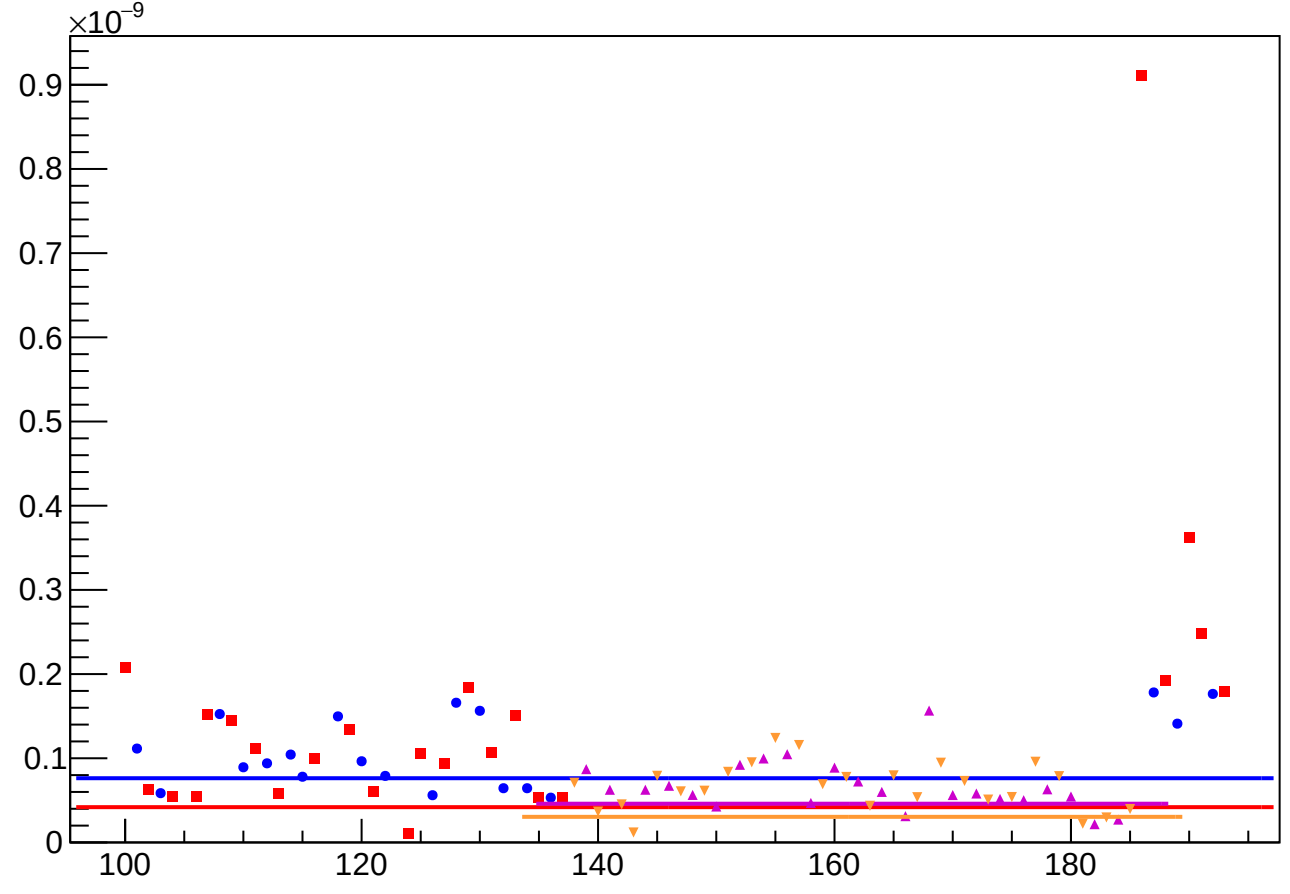
Right Out: 0.000+/-0.000 χ^2/NDF: 41.8/23

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: 92.4/90

- sign 0.000+/-0.000 χ^2/NDF: 58.0/46



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: 6341084.1/23

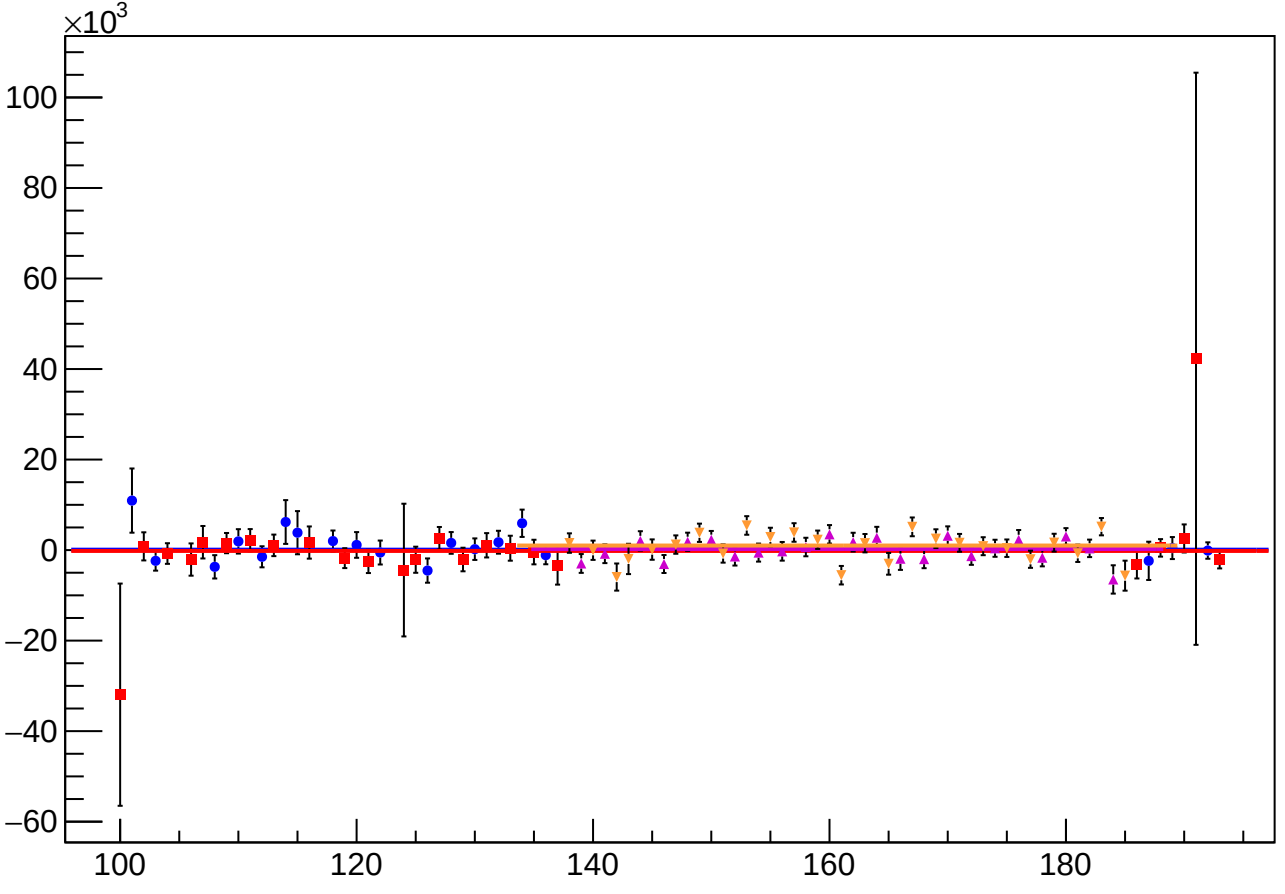
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15030462.5/43

All: 0.000+/-0.000 χ^2/NDF: 27210373.1/90

- sign 0.000+/-0.000 χ^2/NDF: 11280581.7/46

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: -185.475+/-572.244 χ^2/NDF: 12.2/23

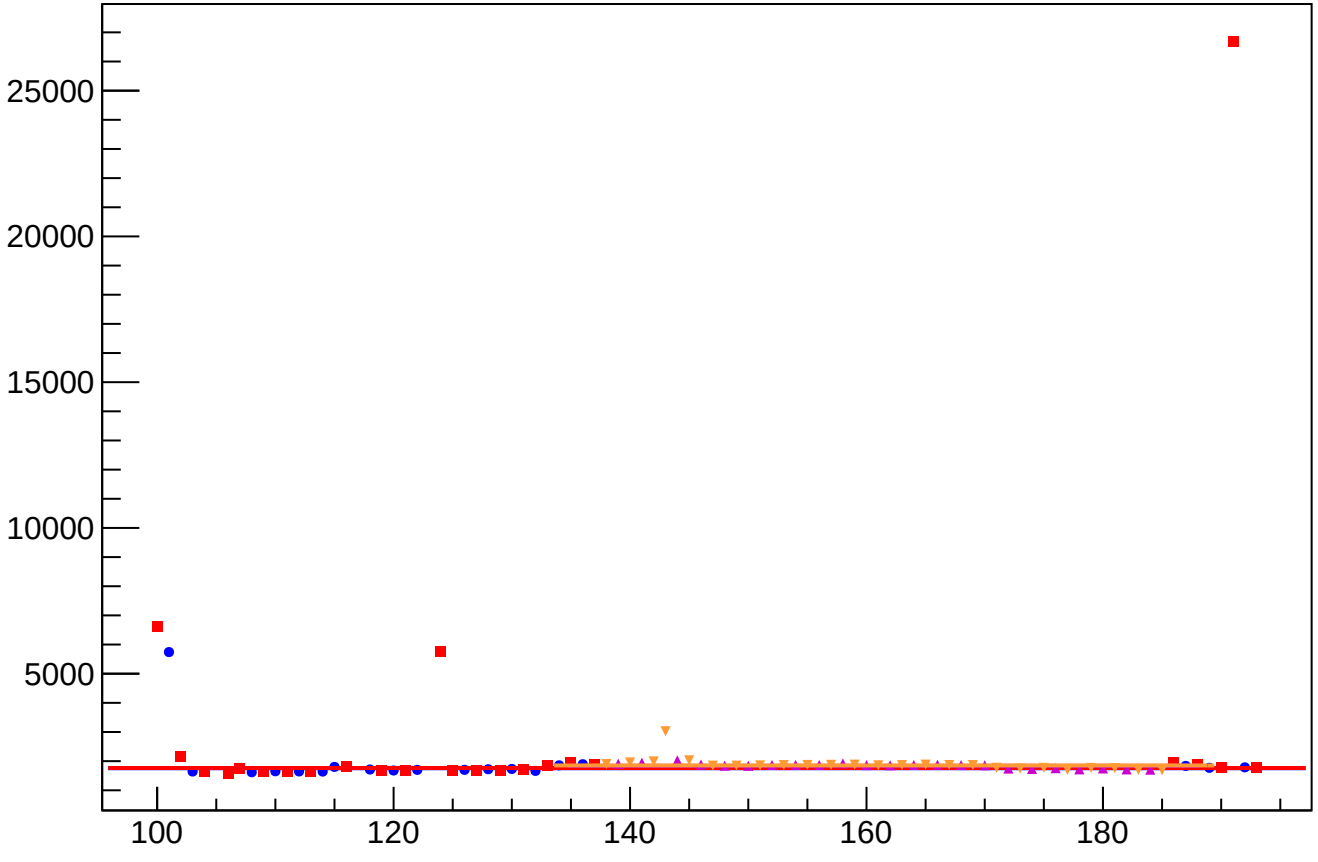
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 701.167+/-345.514 χ^2/NDF: 67.0/43

All: 388.749+/-243.639 χ^2/NDF: 107.5/90

- sign 79.765+/-343.610 χ^2/NDF: 38.9/46

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: 1765.512+/-0.402 χ^2/NDF: 637575.5/23

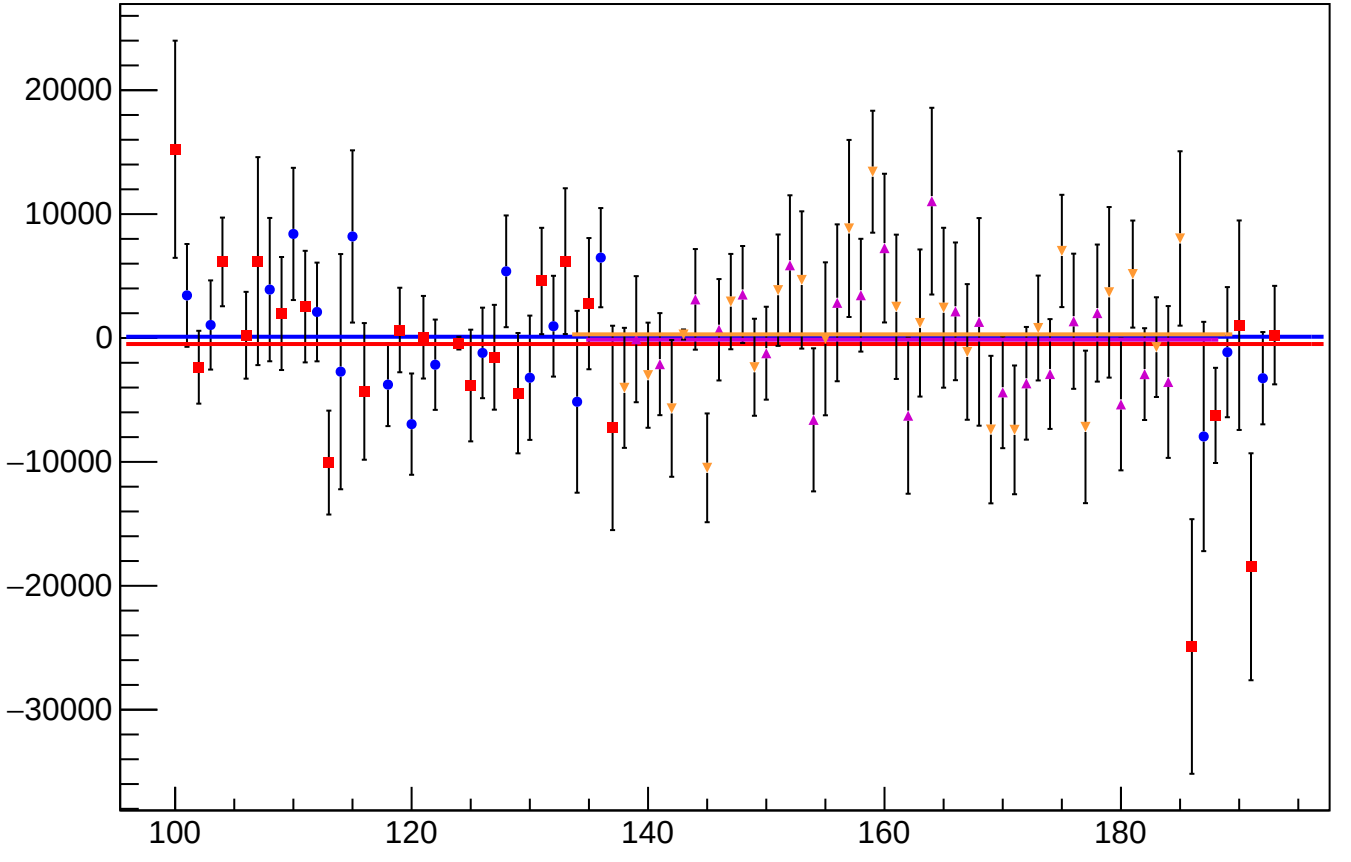
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1820.873+/-0.244 χ^2/NDF: 1026055.1/43

All: 1816.409+/-0.172 χ^2/NDF: 1753742.6/90

- sign 1812.012+/-0.242 χ^2/NDF: 727024.9/46

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: -486.848+/-450.158 χ^2/NDF: 31.2/23

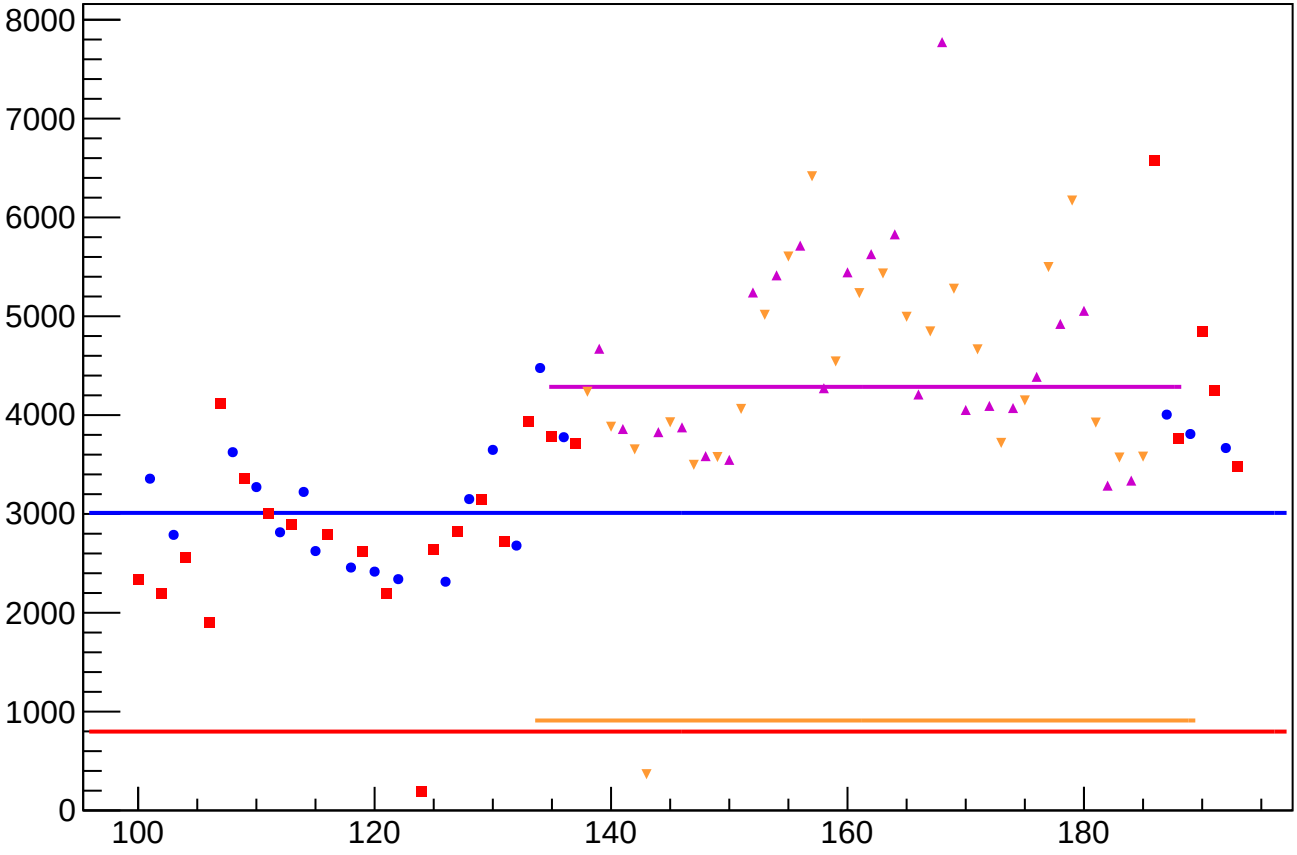
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 271.229+/-356.399 χ^2/NDF: 46.7/43

All: -29.018+/-269.551 χ^2/NDF: 93.5/90

- sign -430.309+/-412.027 χ^2/NDF: 45.2/46

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: 798.018+/-0.318 χ^2/NDF: 13738828.0/23

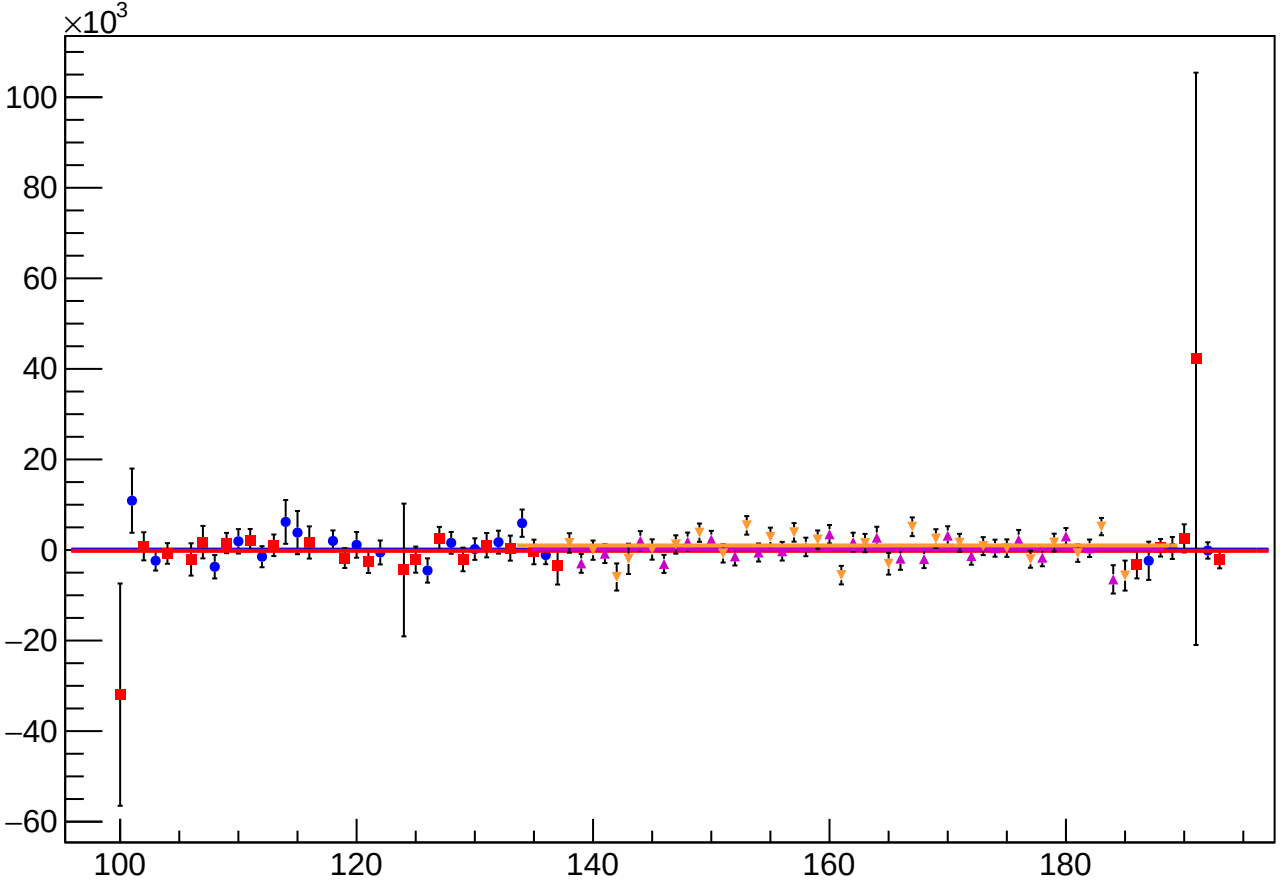
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1162.183+/-0.252 χ^2/NDF: 34739669.7/43

All: 1248.503+/-0.191 χ^2/NDF: 69559122.9/9

- sign 1363.871+/-0.291 χ^2/NDF: 34545330.8/46

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: -185.494+/-572.244 χ^2/NDF: 12.2/23

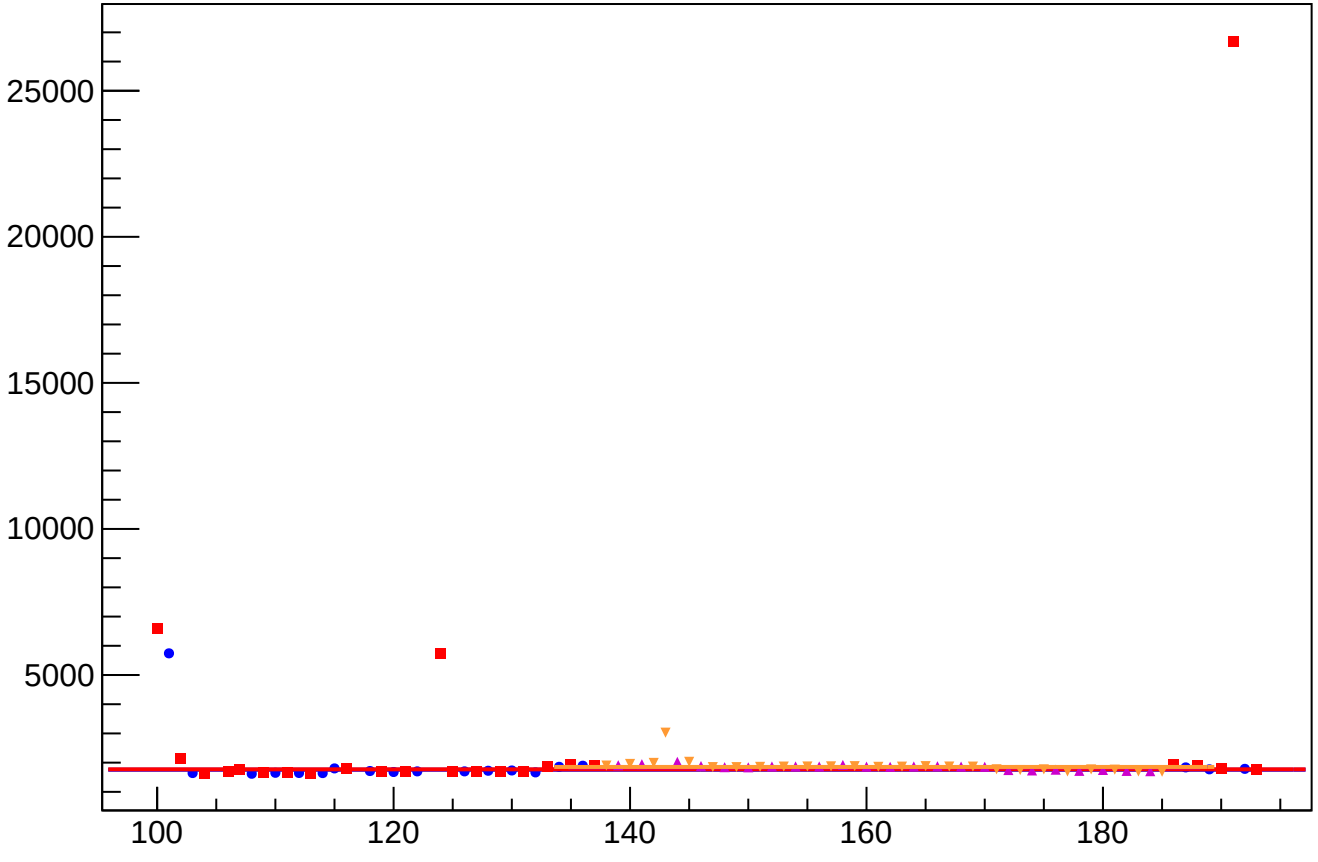
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 701.013+/-345.514 χ^2/NDF: 66.9/43

All: 388.642+/-243.639 χ^2/NDF: 107.5/90

- sign 79.704+/-343.610 χ^2/NDF: 38.9/46

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: 1770.777+/-0.403 χ^2/NDF: 629378.6/23

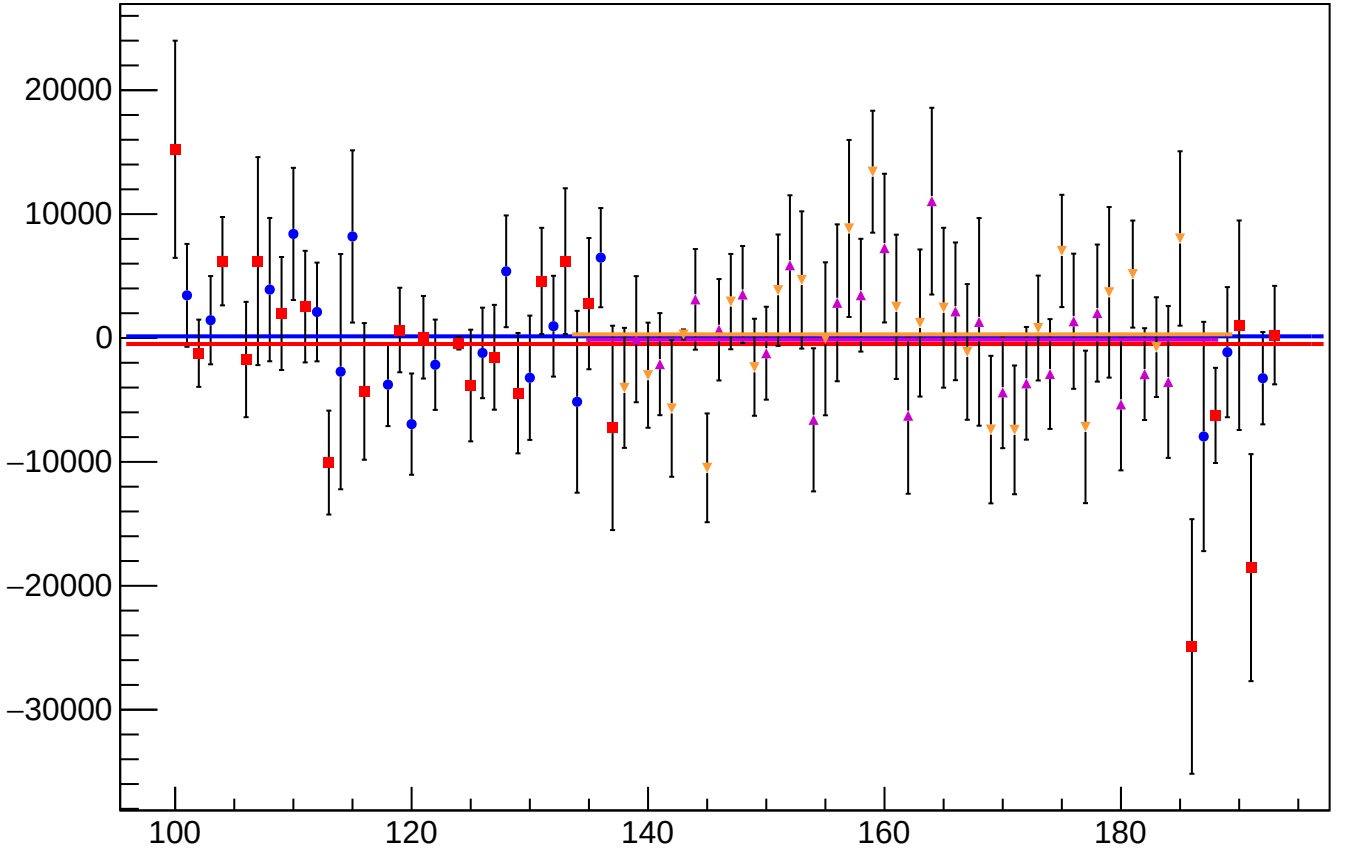
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1820.873+/-0.244 χ^2/NDF: 1026055.4/43

All: 1817.419+/-0.172 χ^2/NDF: 1742301.6/90

- sign 1814.011+/-0.243 χ^2/NDF: 715849.2/46

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: -485.300+/-451.027 χ^2/NDF: 31.0/23

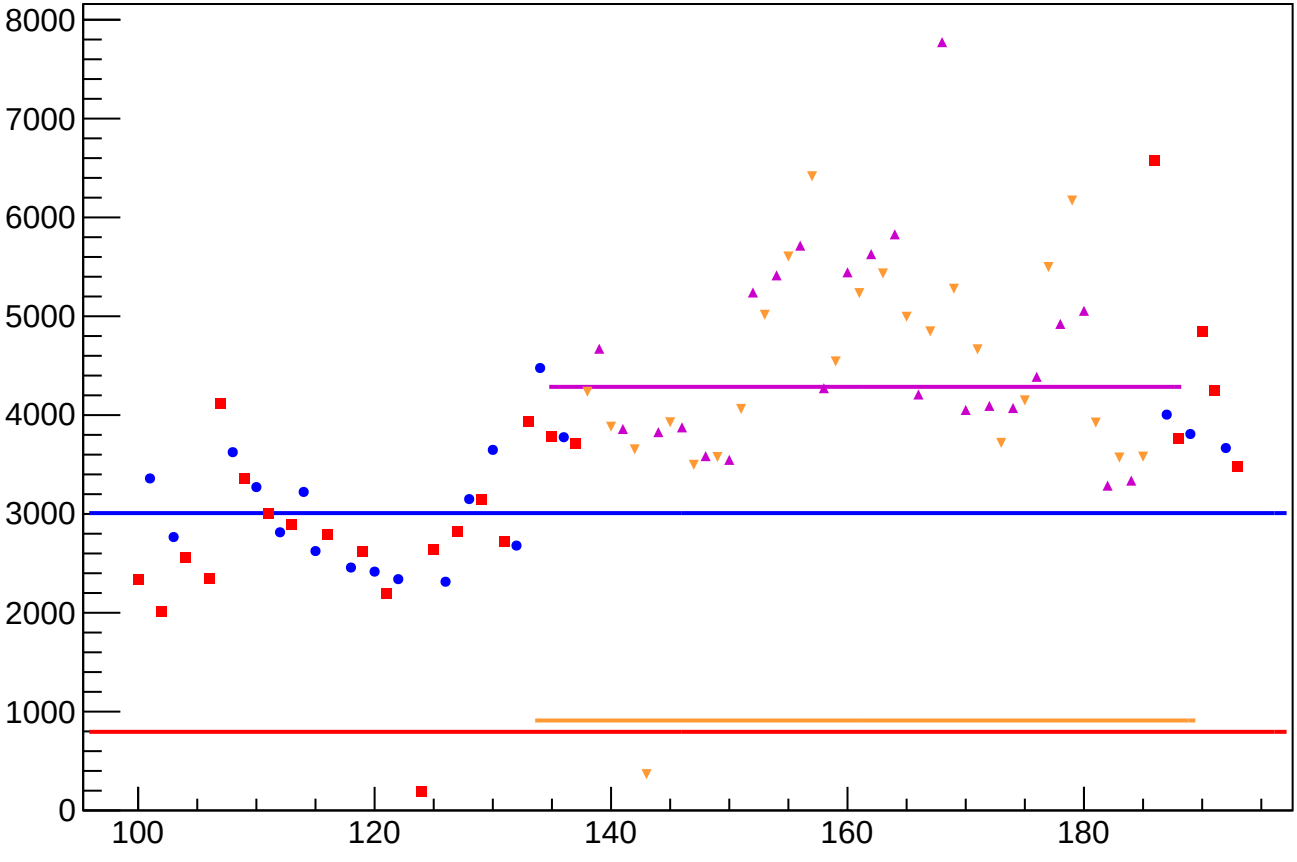
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 276.049+/-356.388 χ^2/NDF: 46.7/43

All: -25.055+/-269.732 χ^2/NDF: 93.4/90

- sign -428.817+/-412.693 χ^2/NDF: 45.0/46

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: 795.482+/-0.319 χ^2/NDF: 13701683.7/23

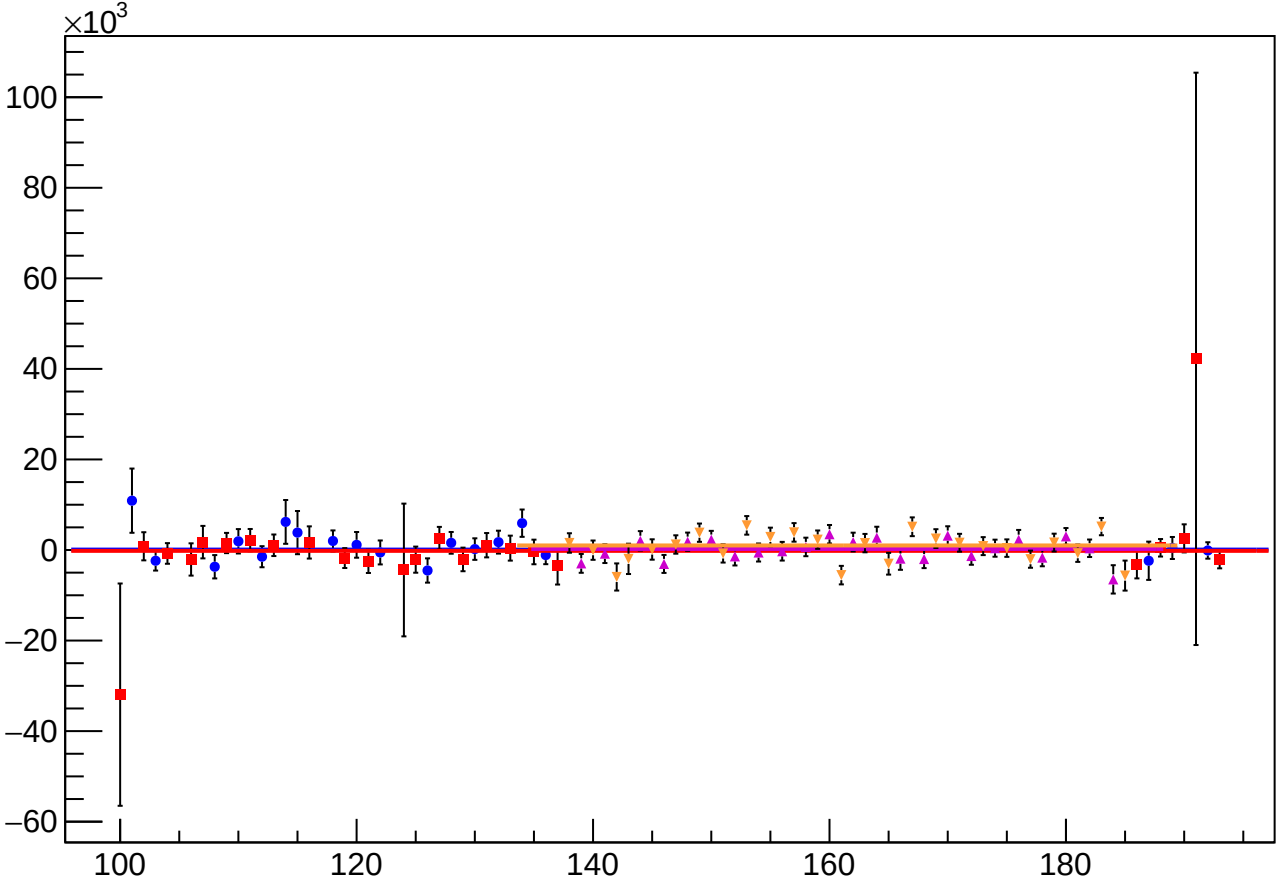
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1162.435+/-0.252 χ^2/NDF: 34735503.1/43

All: 1248.359+/-0.191 χ^2/NDF: 69531928.4/9

- sign 1363.578+/-0.292 χ^2/NDF: 34524278.3/46

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: -185.494+/-572.244 χ^2/NDF: 12.2/23

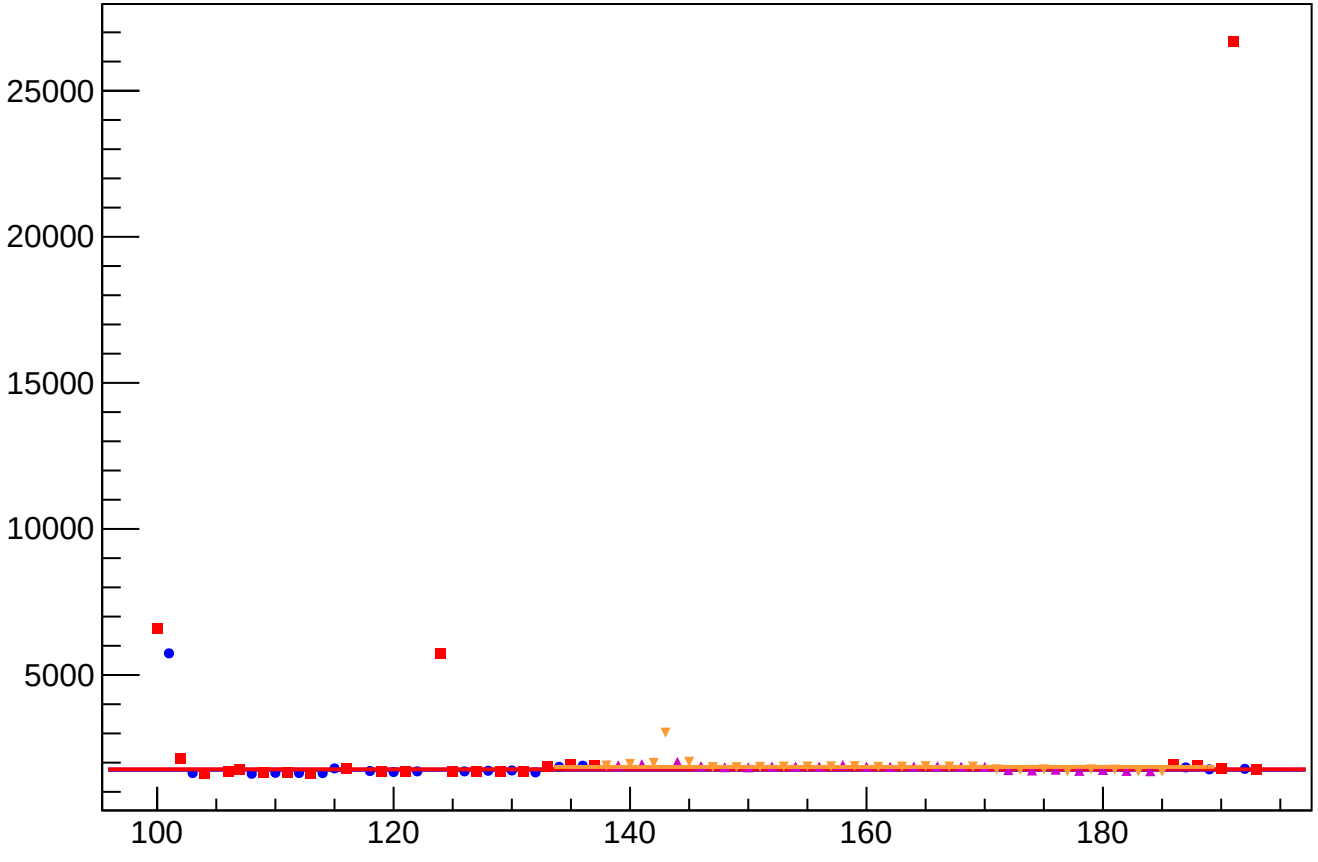
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 701.013+/-345.514 χ^2/NDF: 66.9/43

All: 388.642+/-243.639 χ^2/NDF: 107.5/90

- sign 79.704+/-343.610 χ^2/NDF: 38.9/46

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

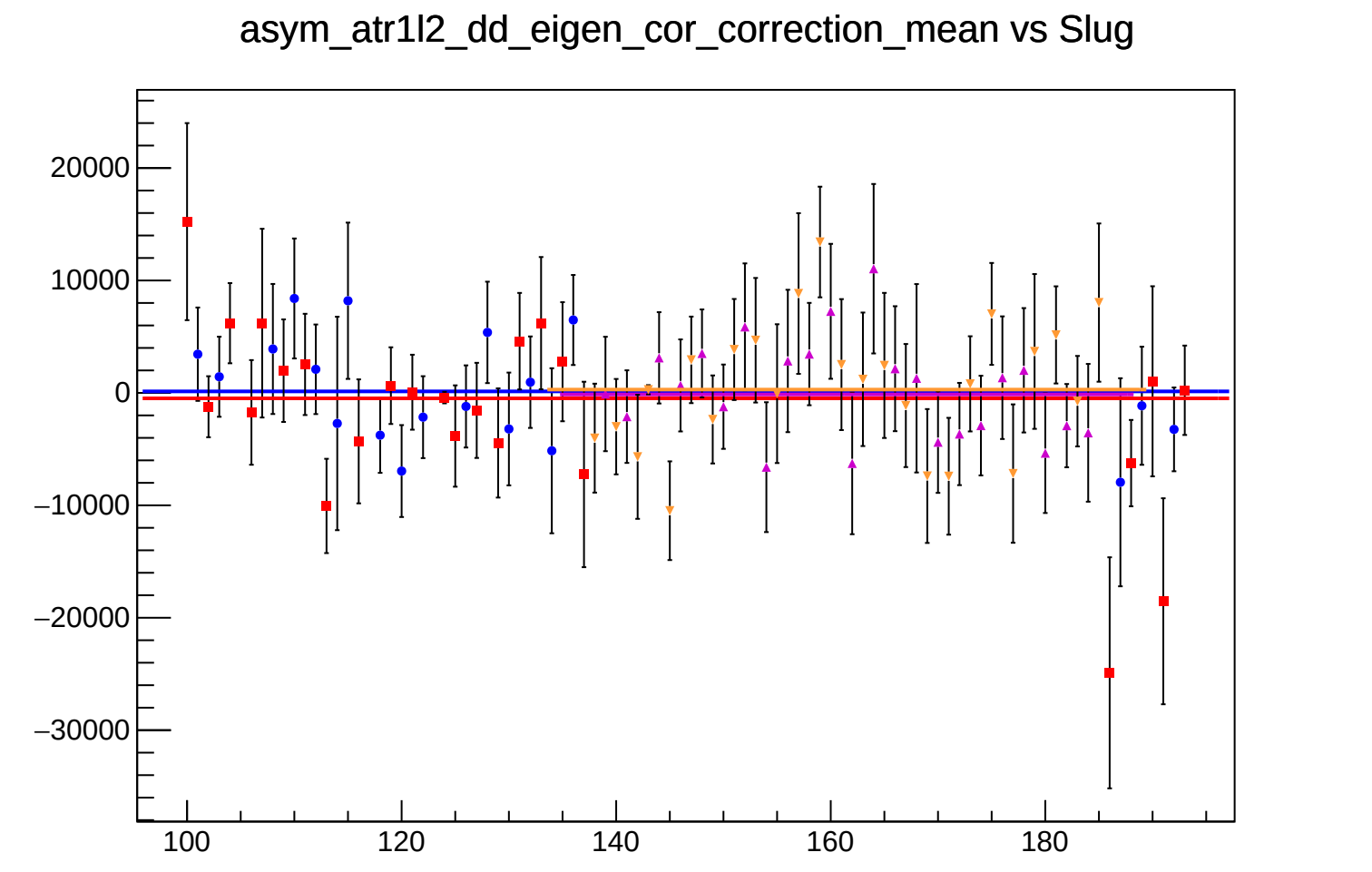
Right Out: 1770.777+/-0.403 χ^2/NDF: 629378.6/23

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1820.873+/-0.244 χ^2/NDF: 1026055.4/43

All: 1817.419+/-0.172 χ^2/NDF: 1742301.6/90

- sign 1814.011+/-0.243 χ^2/NDF: 715849.2/46



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: -485.300+/-451.027 χ^2/NDF: 31.0/23

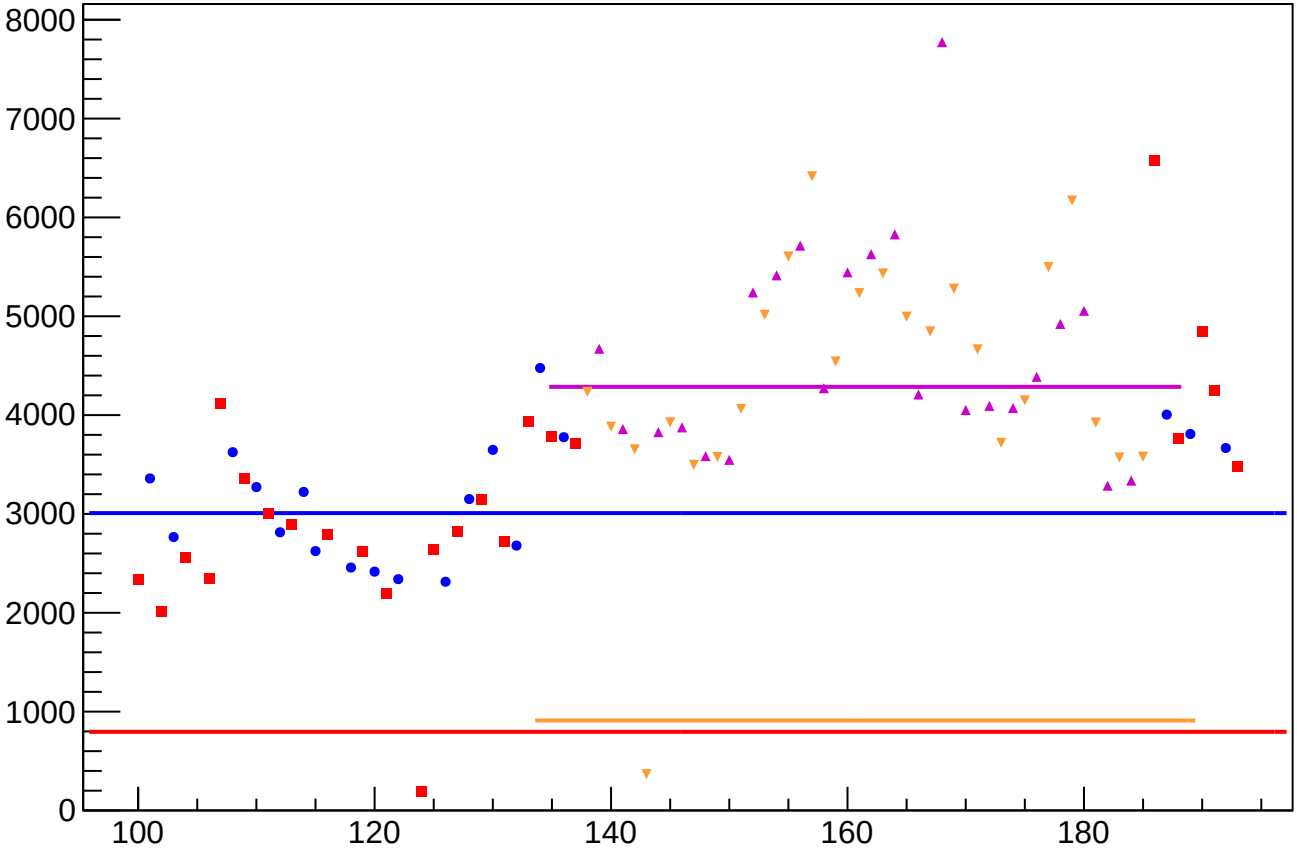
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 276.049+/-356.388 χ^2/NDF: 46.7/43

All: -25.055+/-269.732 χ^2/NDF: 93.4/90

- sign -428.817+/-412.693 χ^2/NDF: 45.0/46

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: 795.482+/-0.319 χ^2/NDF: 13701683.7/23

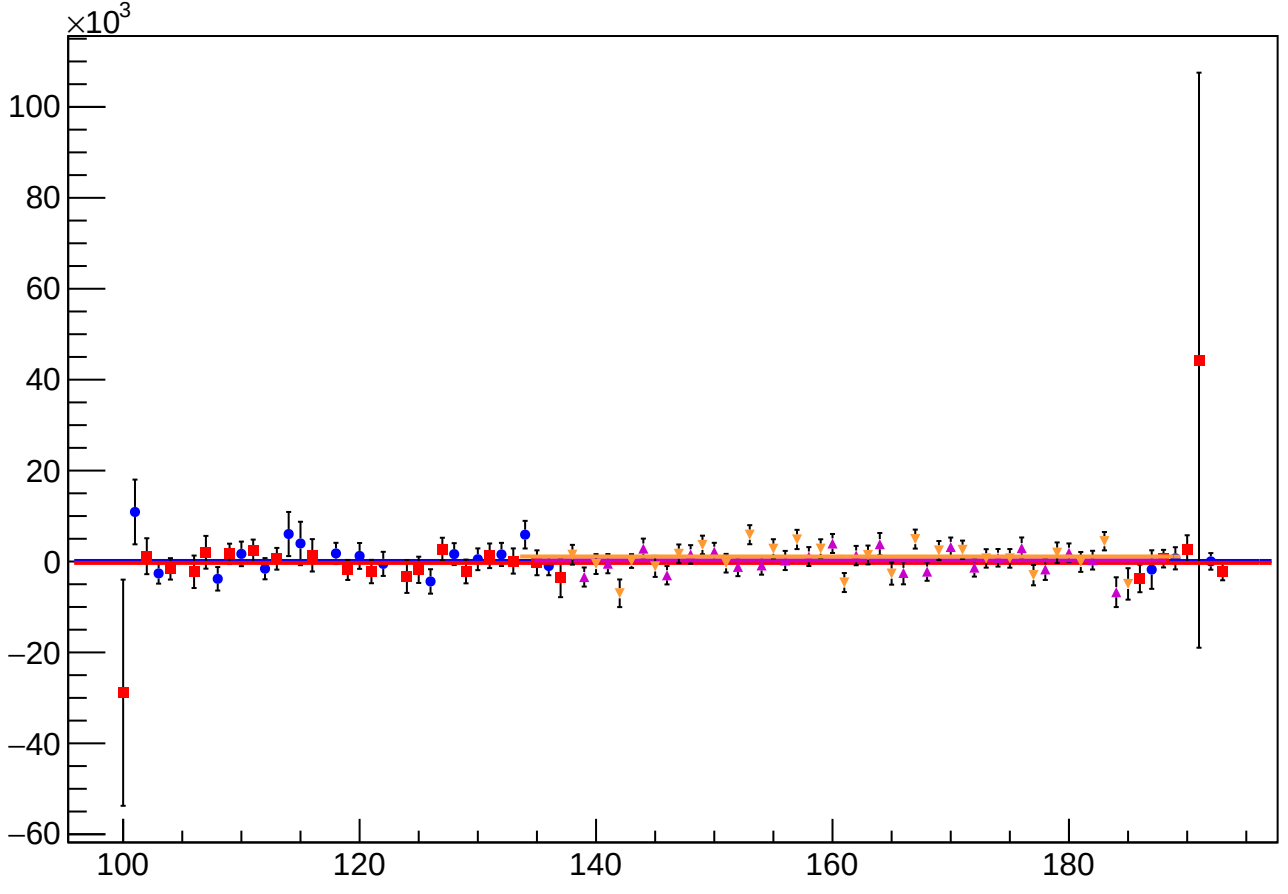
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1162.435+/-0.252 χ^2/NDF: 34735503.1/43

All: 1248.359+/-0.191 χ^2/NDF: 69531928.4/9

- sign 1363.578+/-0.292 χ^2/NDF: 34524278.3/46

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: -308.121+/-572.047 χ^2/NDF: 13.4/23

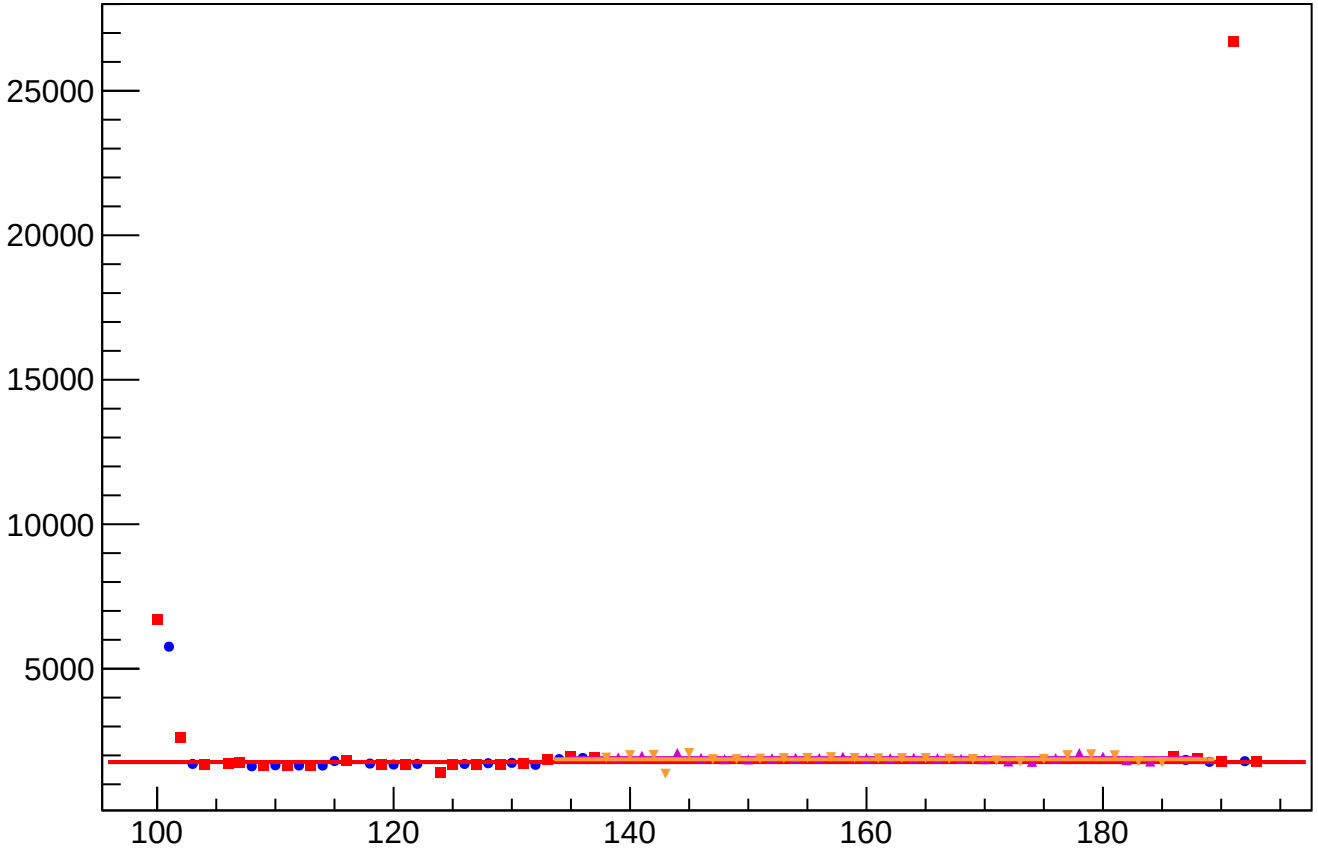
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 776.807+/-347.759 χ^2/NDF: 64.1/43

All: 416.448+/-247.184 χ^2/NDF: 108.0/90

- sign 48.475+/-351.413 χ^2/NDF: 41.7/46

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: 1770.693+/-0.404 χ^2/NDF: 560319.3/23

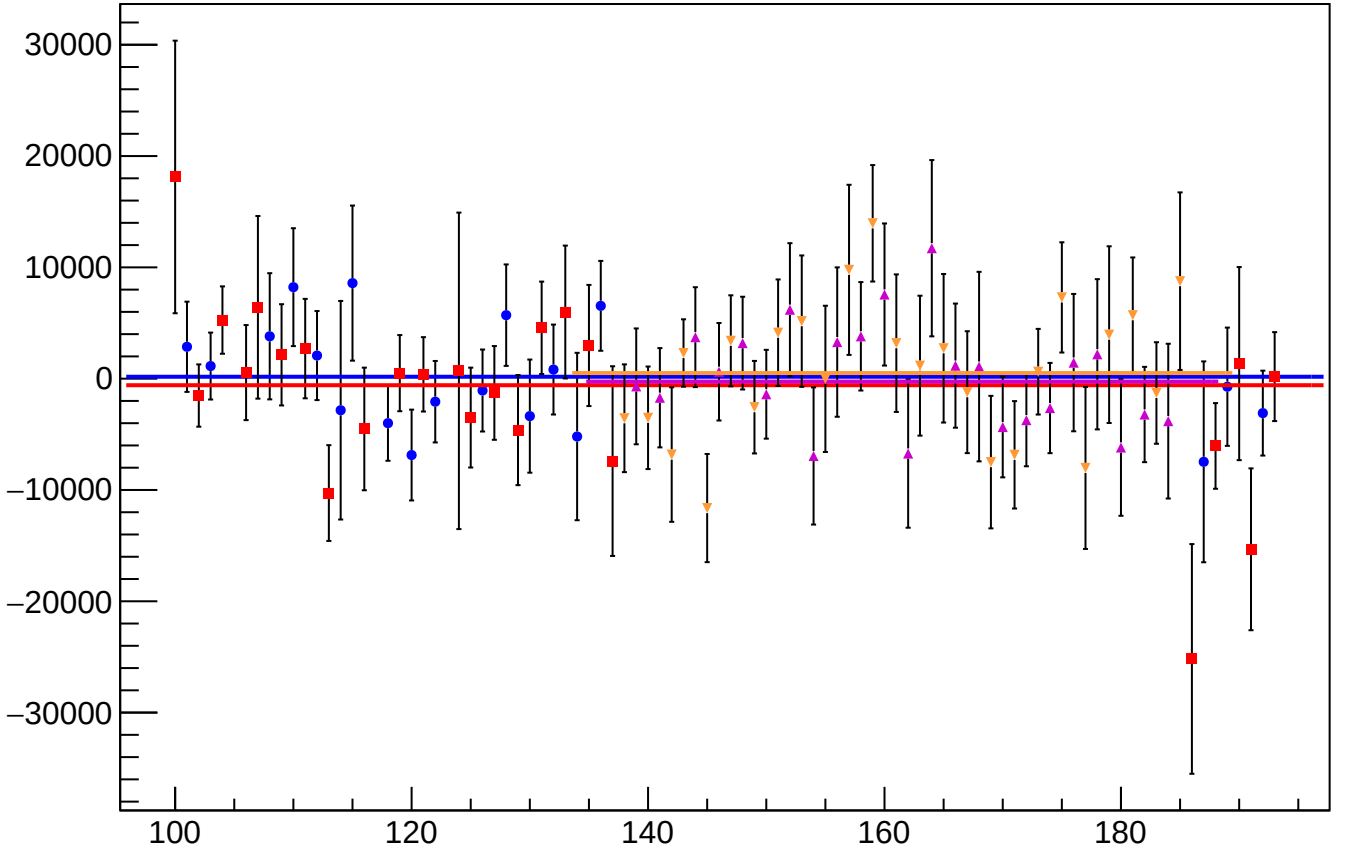
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1832.946+/-0.246 χ^2/NDF: 997724.7/43

All: 1843.652+/-0.175 χ^2/NDF: 1684128.9/90

- sign 1854.567+/-0.248 χ^2/NDF: 682576.2/46

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: -587.995+/-940.295 χ^2/NDF: 30.5/23

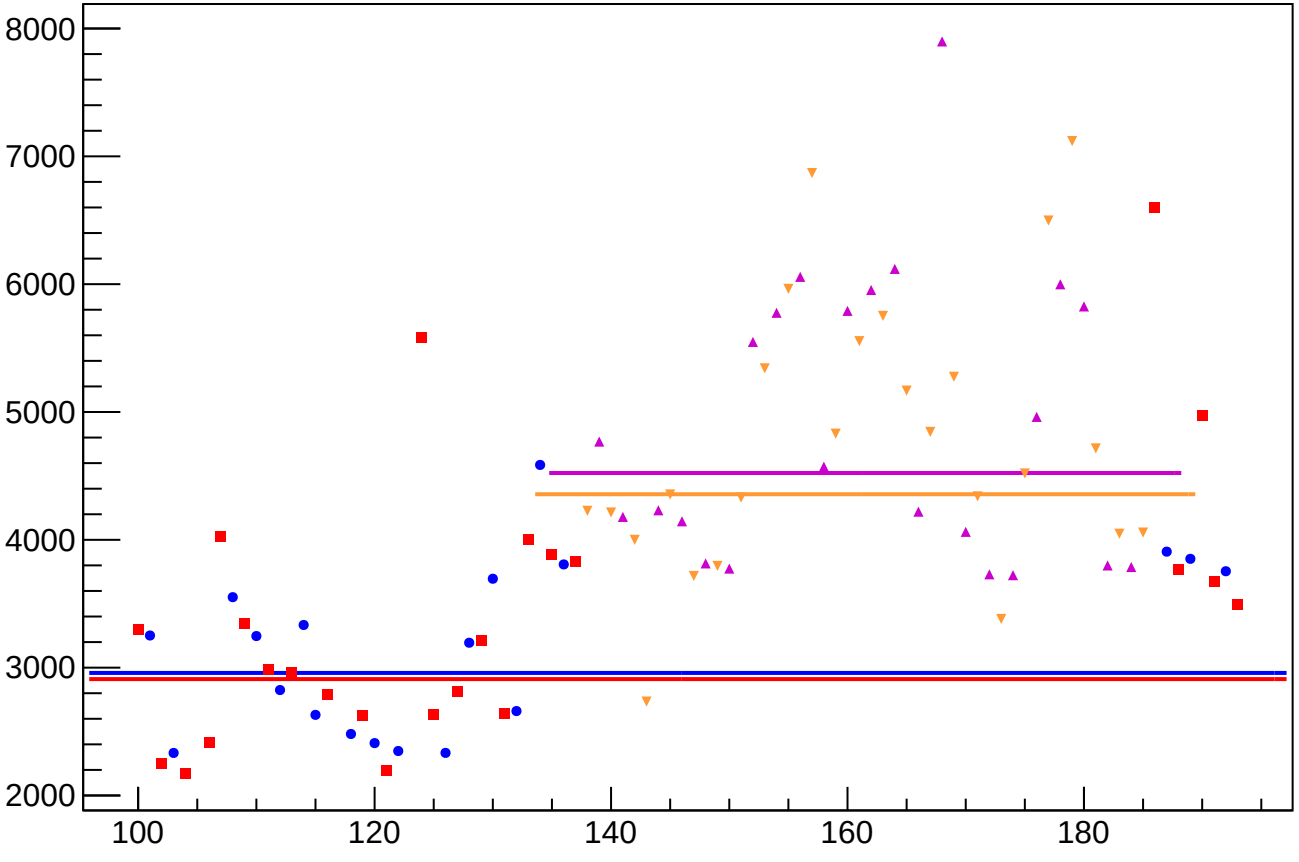
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 337.288+/-719.919 χ^2/NDF: 46.6/43

All: -60.652+/-505.361 χ^2/NDF: 91.3/90

- sign -447.232+/-709.569 χ^2/NDF: 44.1/46

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

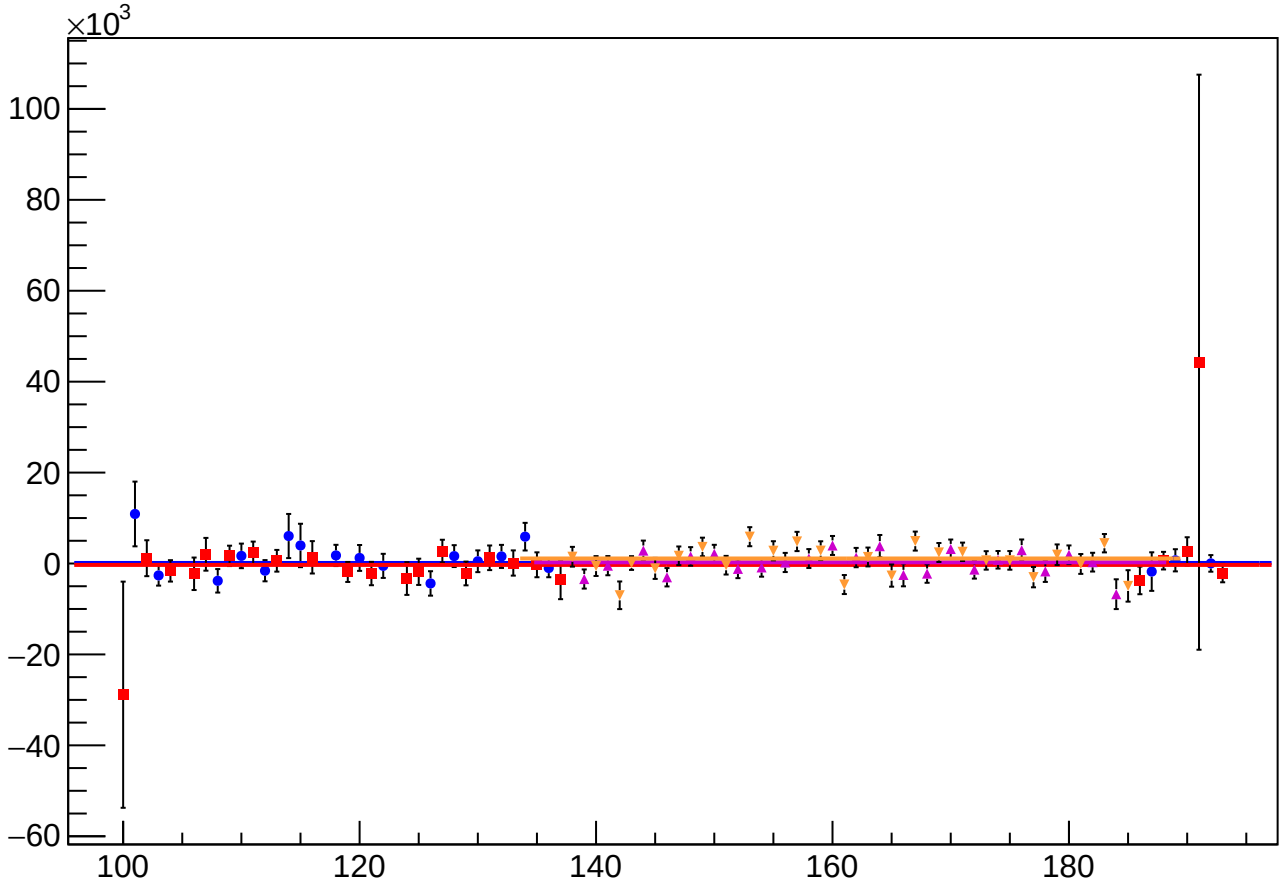
Right Out: 2910.481+/-0.665 χ^2/NDF: 1205646.0/23

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3652.814+/-0.509 χ^2/NDF: 4527511.6/43

All: 3628.382+/-0.357 χ^2/NDF: 9703408.8/90

- sign 3604.646+/-0.502 χ^2/NDF: 5171355.7/46



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: -308.117+/-572.047 χ^2/NDF: 13.4/23

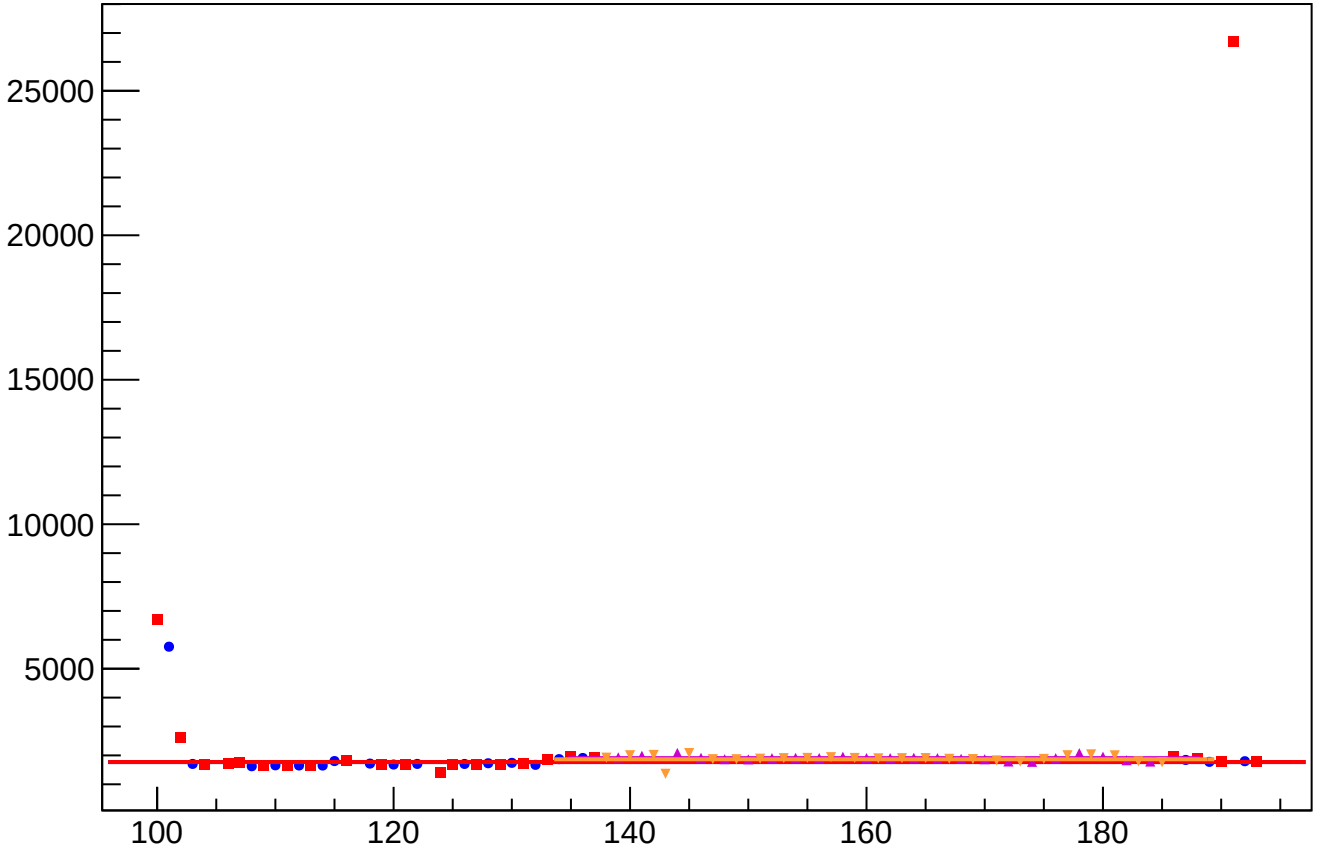
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 776.808+/-347.759 χ^2/NDF: 64.1/43

All: 416.449+/-247.185 χ^2/NDF: 108.0/90

- sign 48.477+/-351.413 χ^2/NDF: 41.7/46

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: 1770.693+/-0.404 χ^2/NDF: 560319.3/23

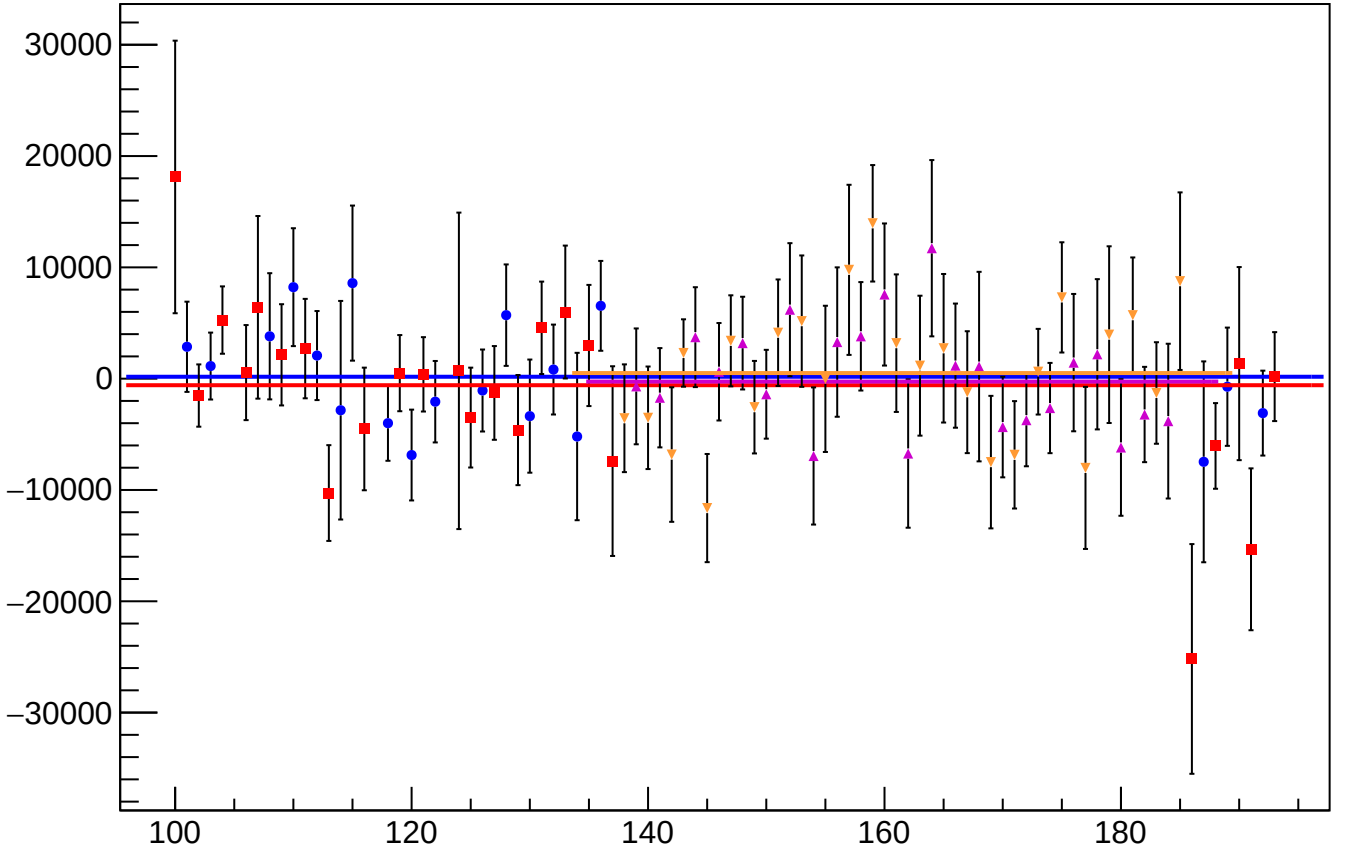
Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1832.947+/-0.246 χ^2/NDF: 997728.7/43

All: 1843.653+/-0.175 χ^2/NDF: 1684136.3/90

- sign 1854.567+/-0.248 χ^2/NDF: 682579.6/46

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



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: -587.991+/-940.293 χ^2/NDF: 30.5/23

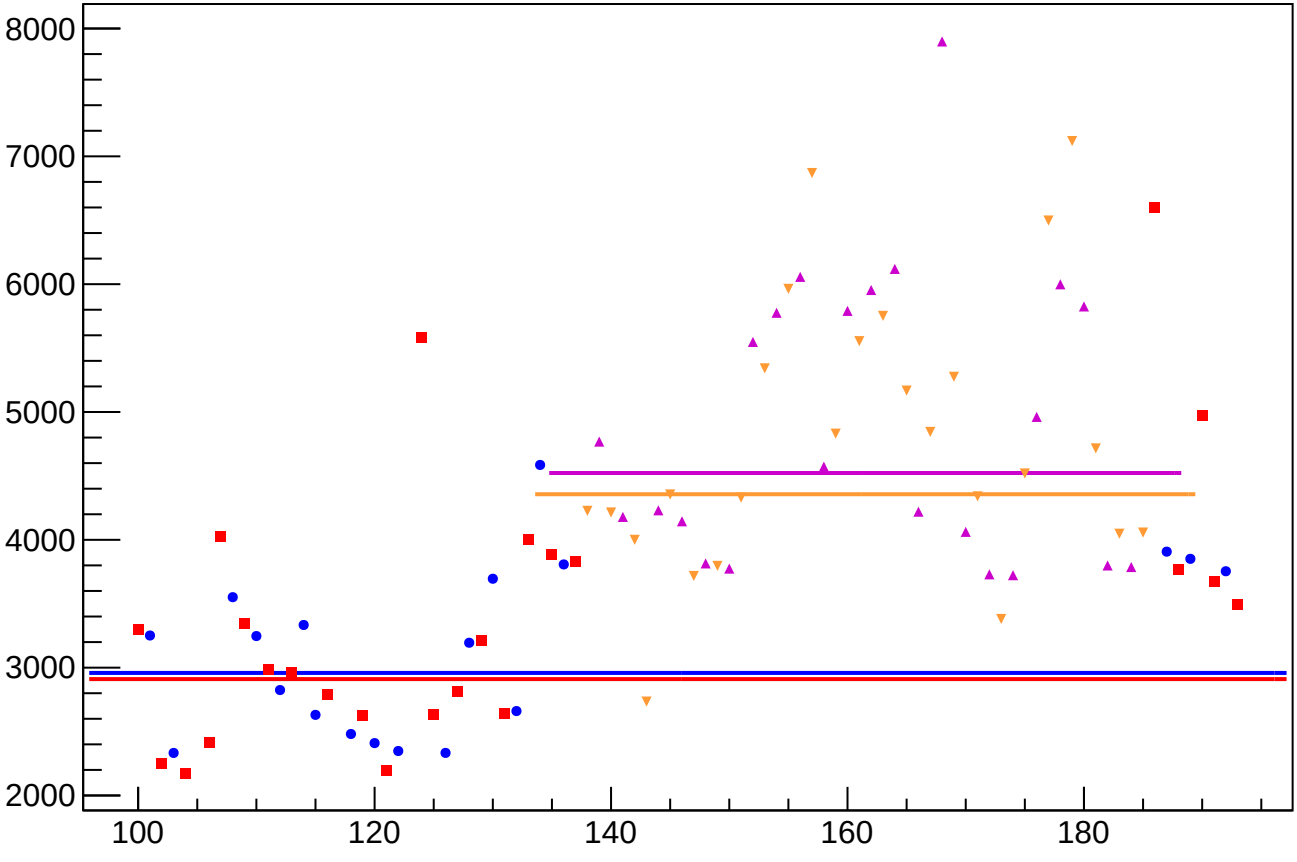
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 337.288+/-719.919 χ^2/NDF: 46.6/43

All: -60.651+/-505.361 χ^2/NDF: 91.3/90

- sign -447.230+/-709.569 χ^2/NDF: 44.1/46

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: 2910.477+/-0.665 χ^2/NDF: 1205650.3/23

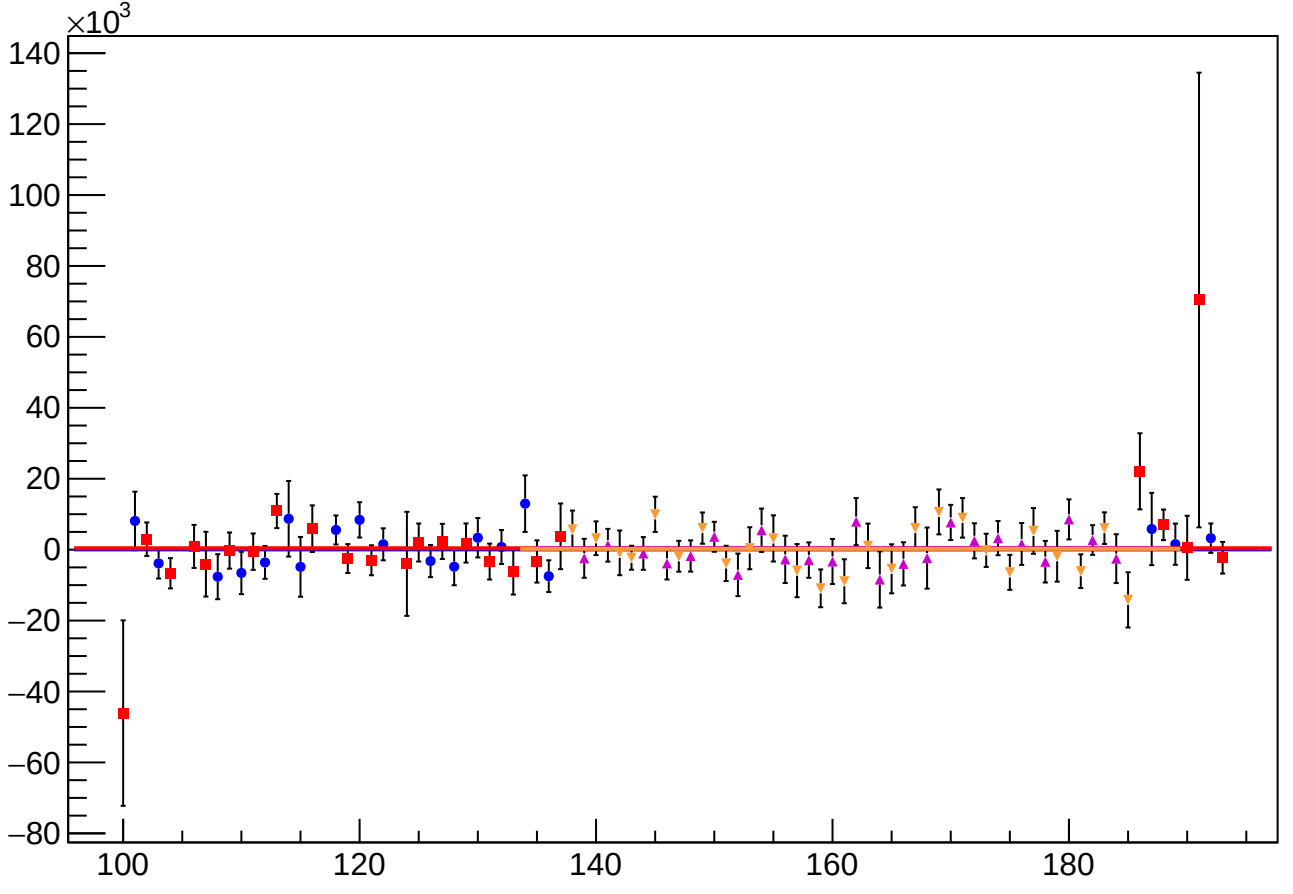
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3652.812+/-0.509 χ^2/NDF: 4527562.5/43

All: 3628.380+/-0.357 χ^2/NDF: 9703500.9/90

- sign 3604.645+/-0.502 χ^2/NDF: 5171397.2/46

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: 388.902+/-1162.806 χ^2/NDF: 23.6/23

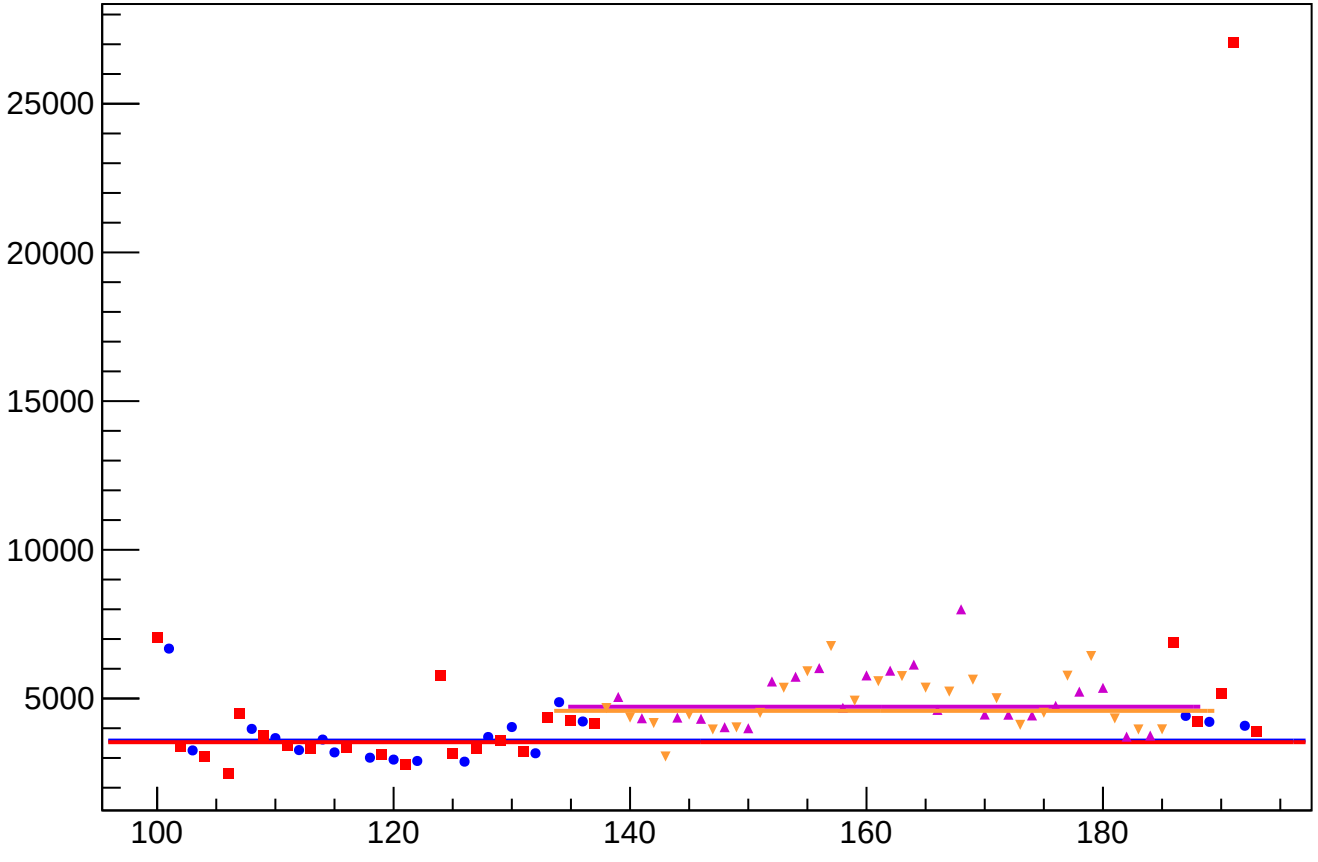
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

\+ sign 169.486+/-803.894 χ^2/NDF: 51.2/43

All: 281.066+/-569.591 χ^2/NDF: 89.0/90

\- sign 393.554+/-807.162 χ^2/NDF: 37.8/46

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: 3530.735+/-0.813 χ^2/NDF: 1015330.0/23

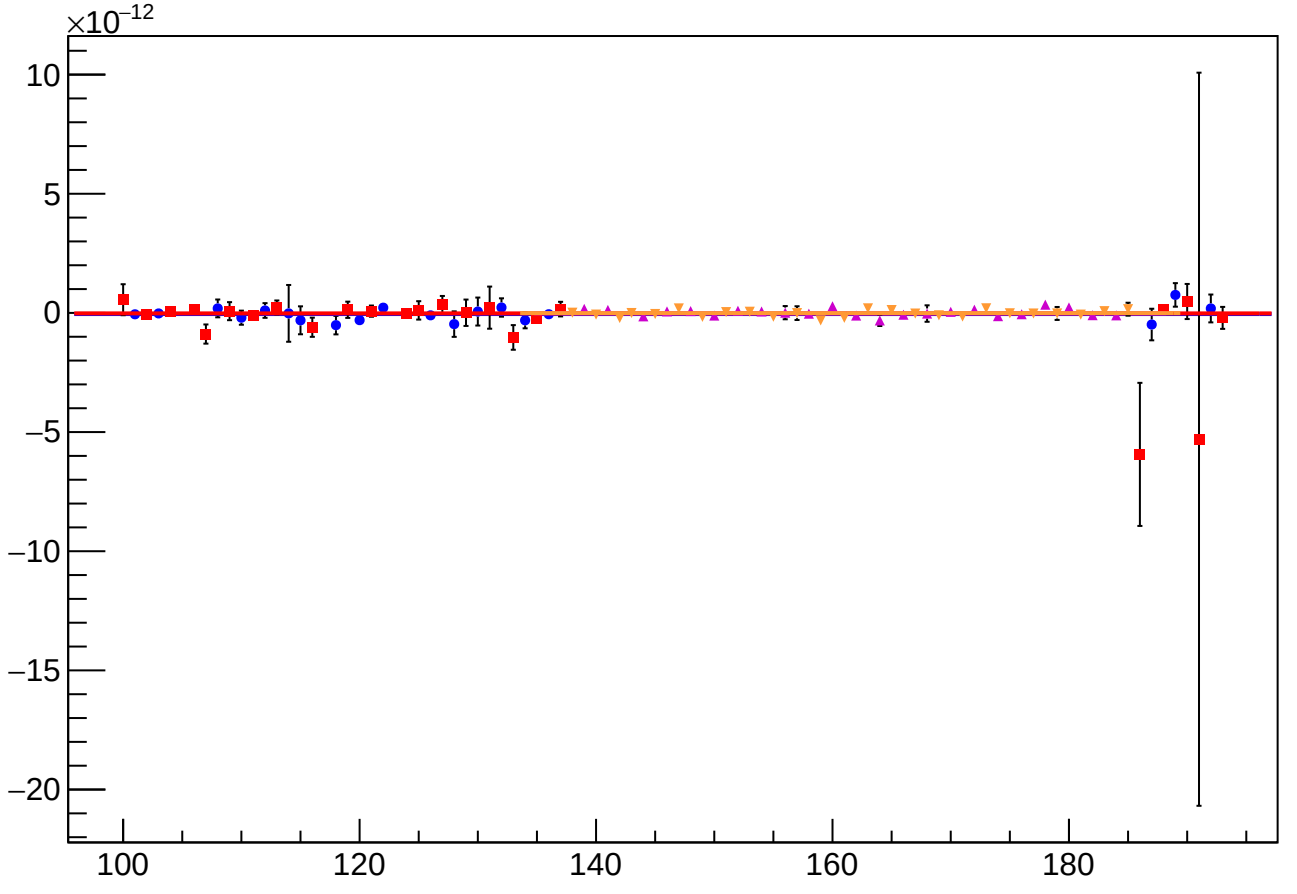
Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4154.662+/-0.568 χ^2/NDF: 2743247.2/43

All: 4148.099+/-0.402 χ^2/NDF: 5878173.1/90

- sign 4141.557+/-0.568 χ^2/NDF: 3134659.8/46

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



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: 23.8/23

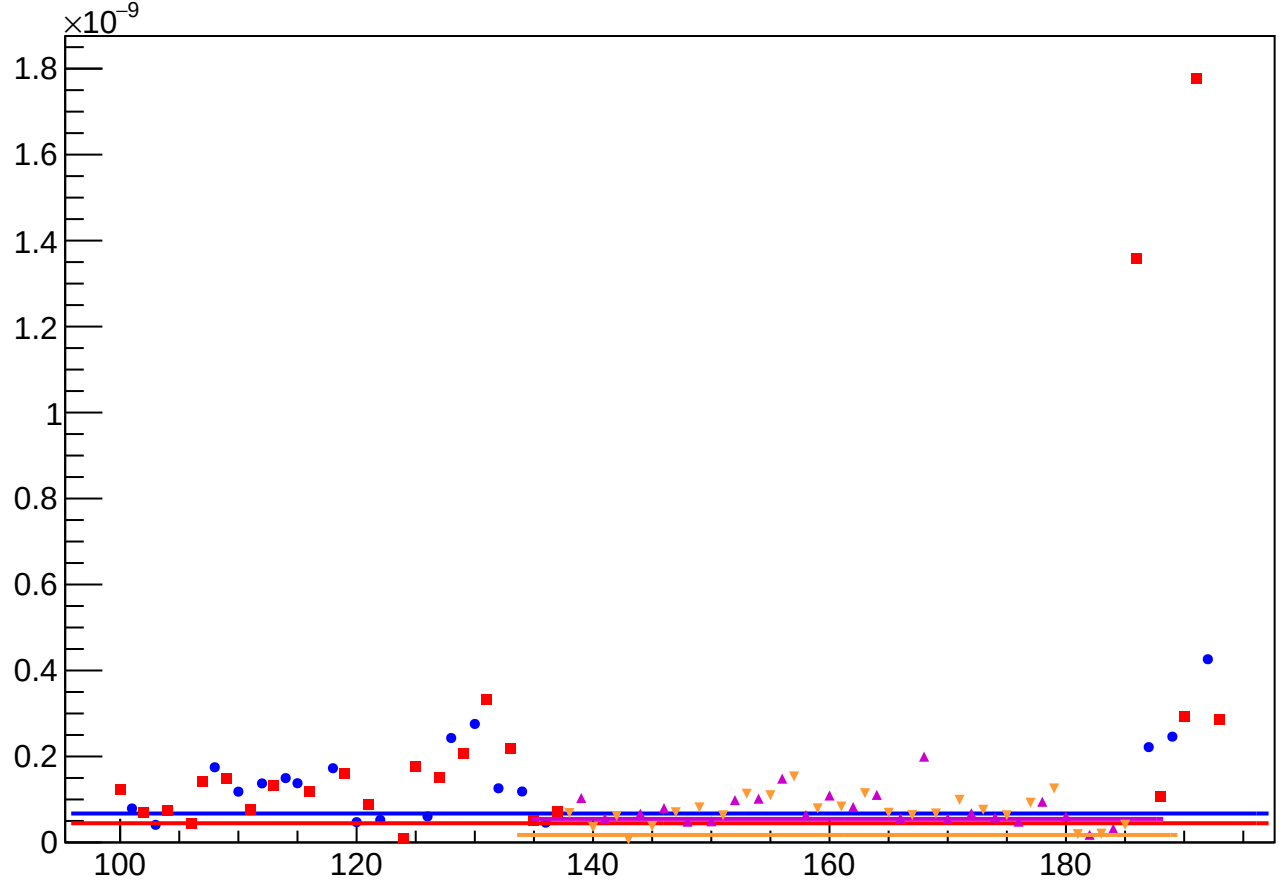
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.3/43

All: -0.000+/-0.000 χ^2/NDF: 85.3/90

- sign -0.000+/-0.000 χ^2/NDF: 49.8/46

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: 4560689.7/23

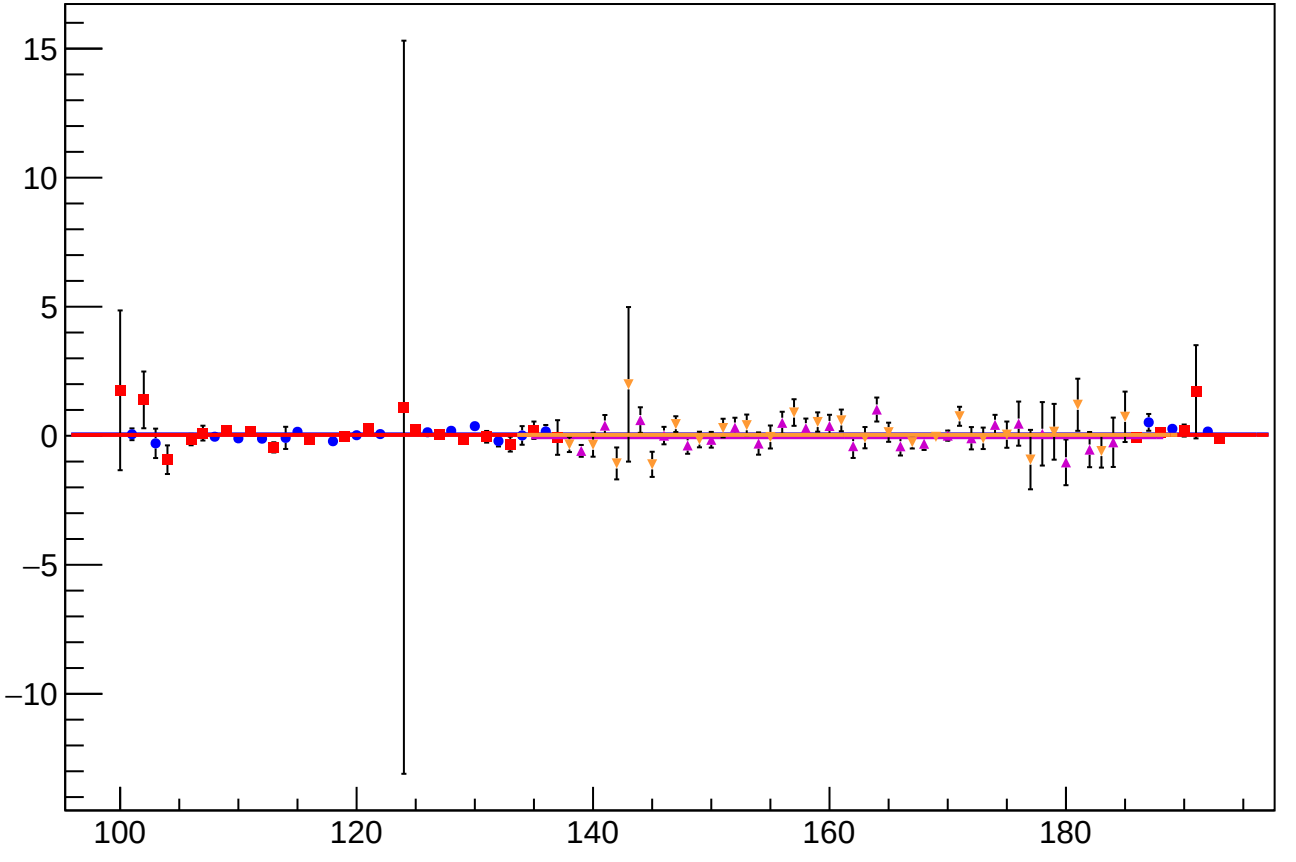
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 13846855.6/43

All: 0.000+/-0.000 χ^2/NDF: 25096573.7/90

- sign 0.000+/-0.000 χ^2/NDF: 7472816.5/46

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: 0.033+/-0.037 χ^2/NDF: 26.2/23

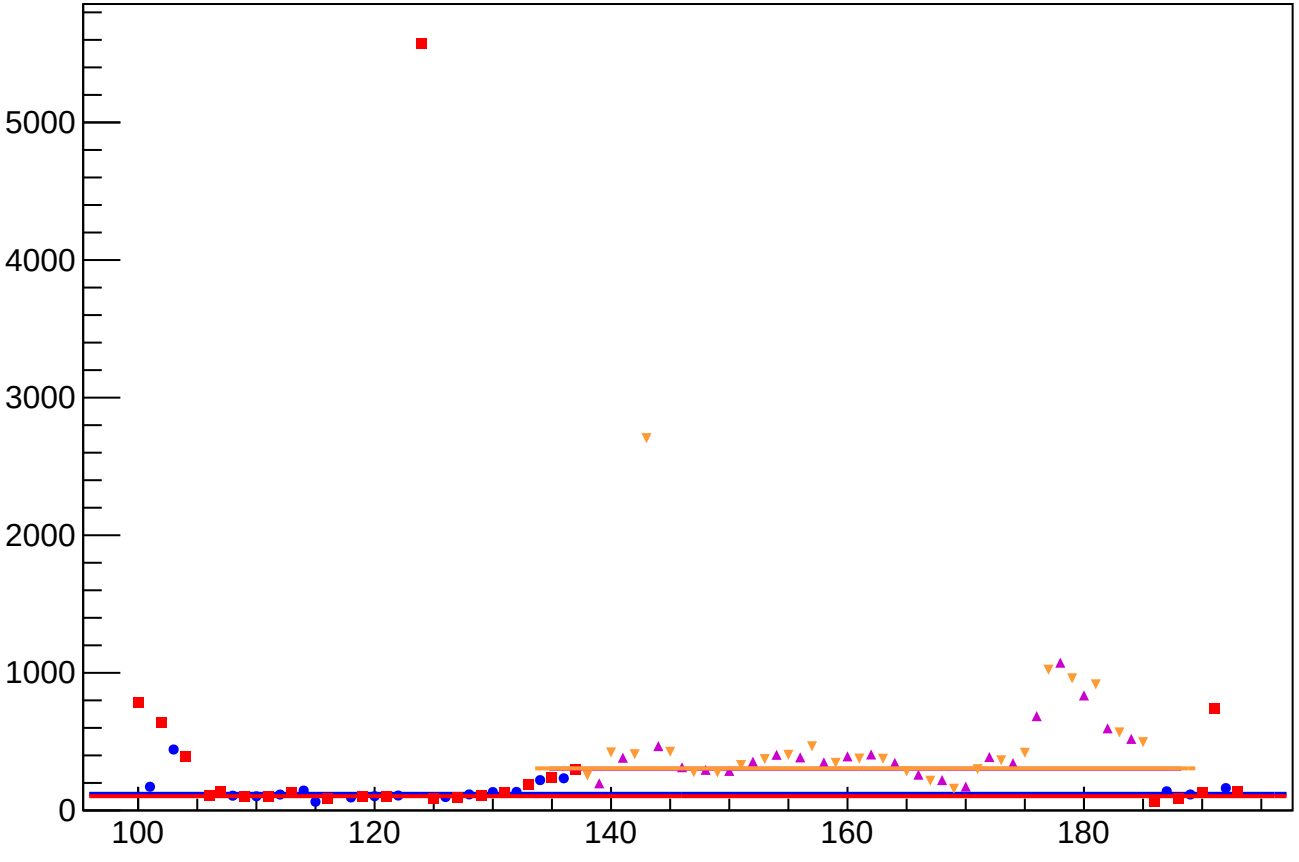
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.048+/-0.038 χ^2/NDF: 47.1/43

All: 0.030+/-0.025 χ^2/NDF: 100.8/90

- sign 0.016+/-0.034 χ^2/NDF: 53.3/46

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: 103.771+/-0.026 χ^2/NDF: 2988353.0/23

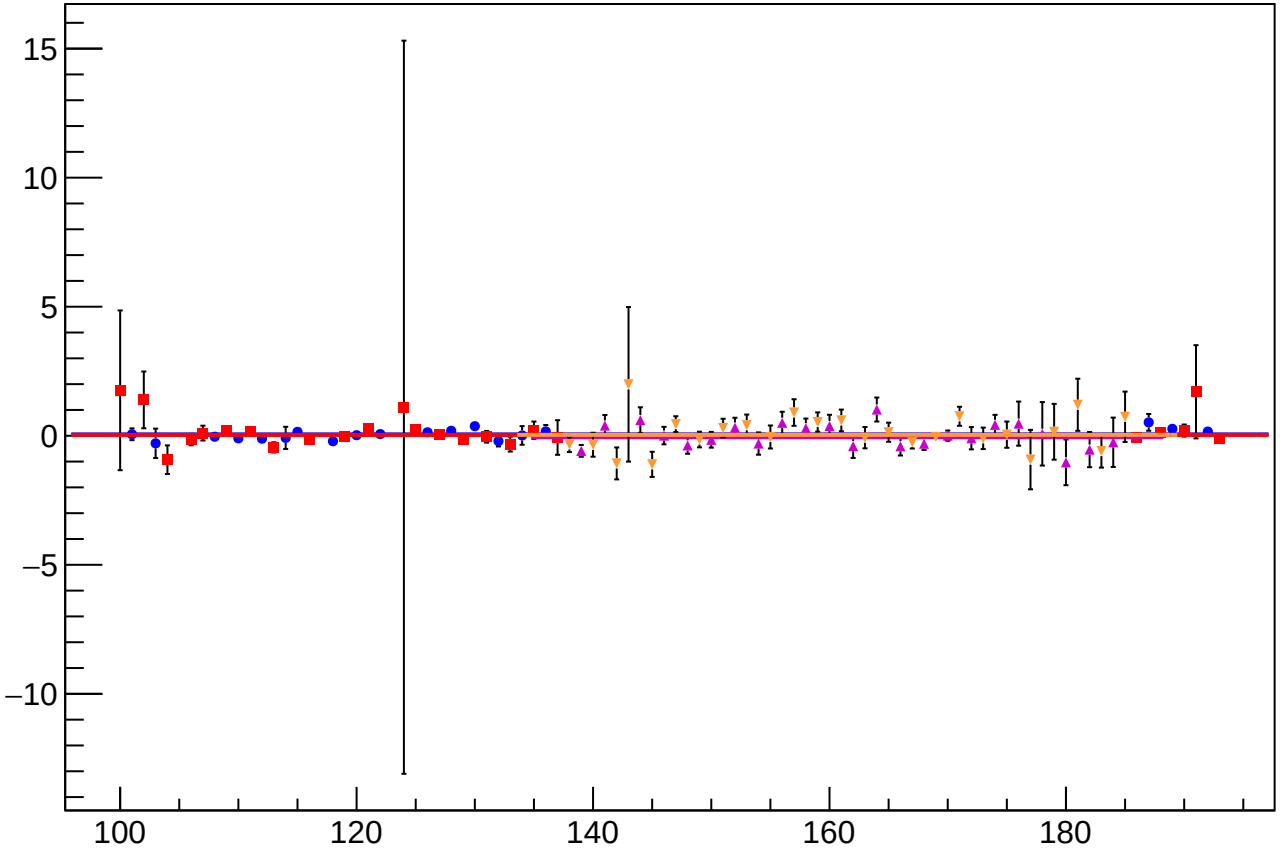
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.606+/-0.027 χ^2/NDF: 17044509.2/43

All: 152.038+/-0.018 χ^2/NDF: 36087325.1/90

- sign 141.572+/-0.024 χ^2/NDF: 18598483.6/46

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: 0.033+/-0.037 χ^2/NDF: 26.2/23

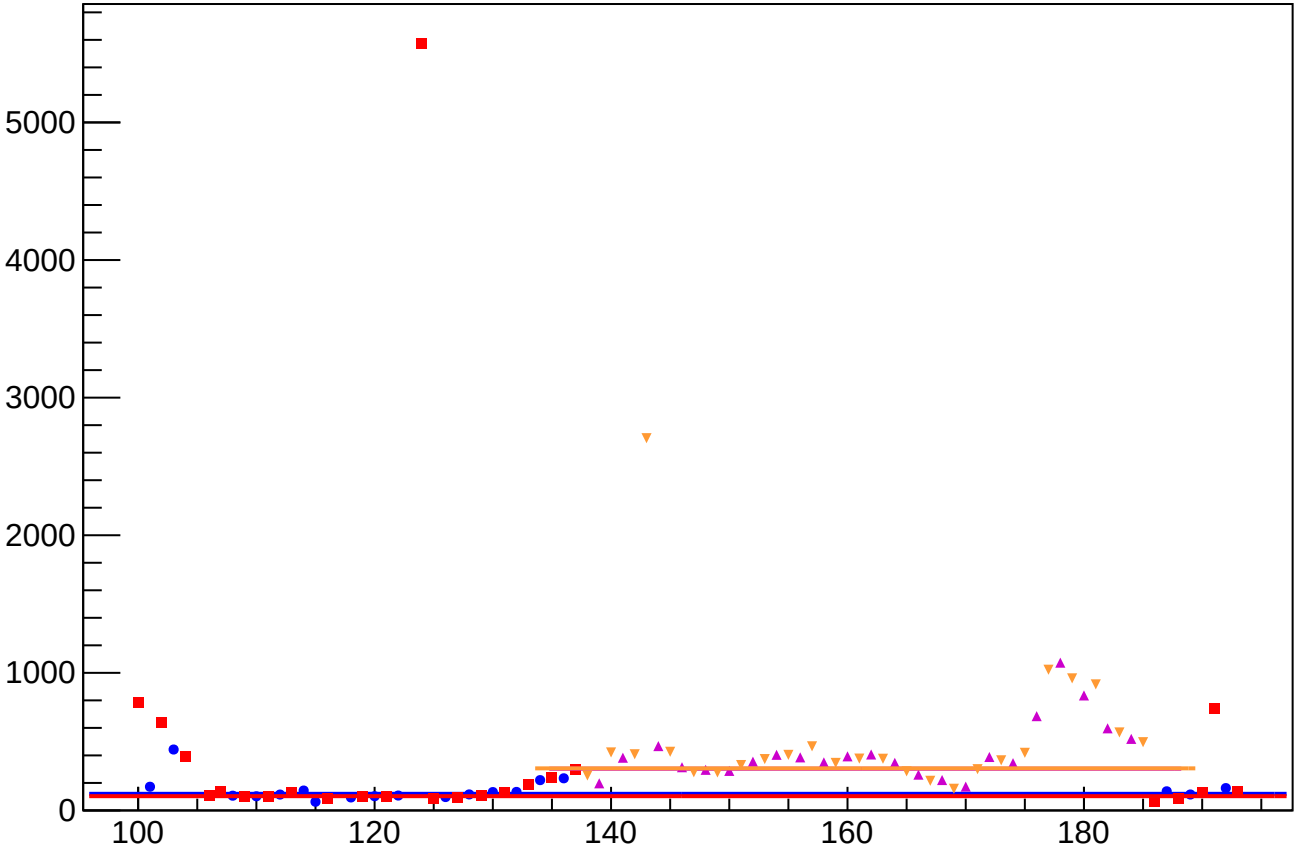
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.048+/-0.038 χ^2/NDF: 47.1/43

All: 0.030+/-0.025 χ^2/NDF: 100.8/90

- sign 0.016+/-0.034 χ^2/NDF: 53.3/46

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

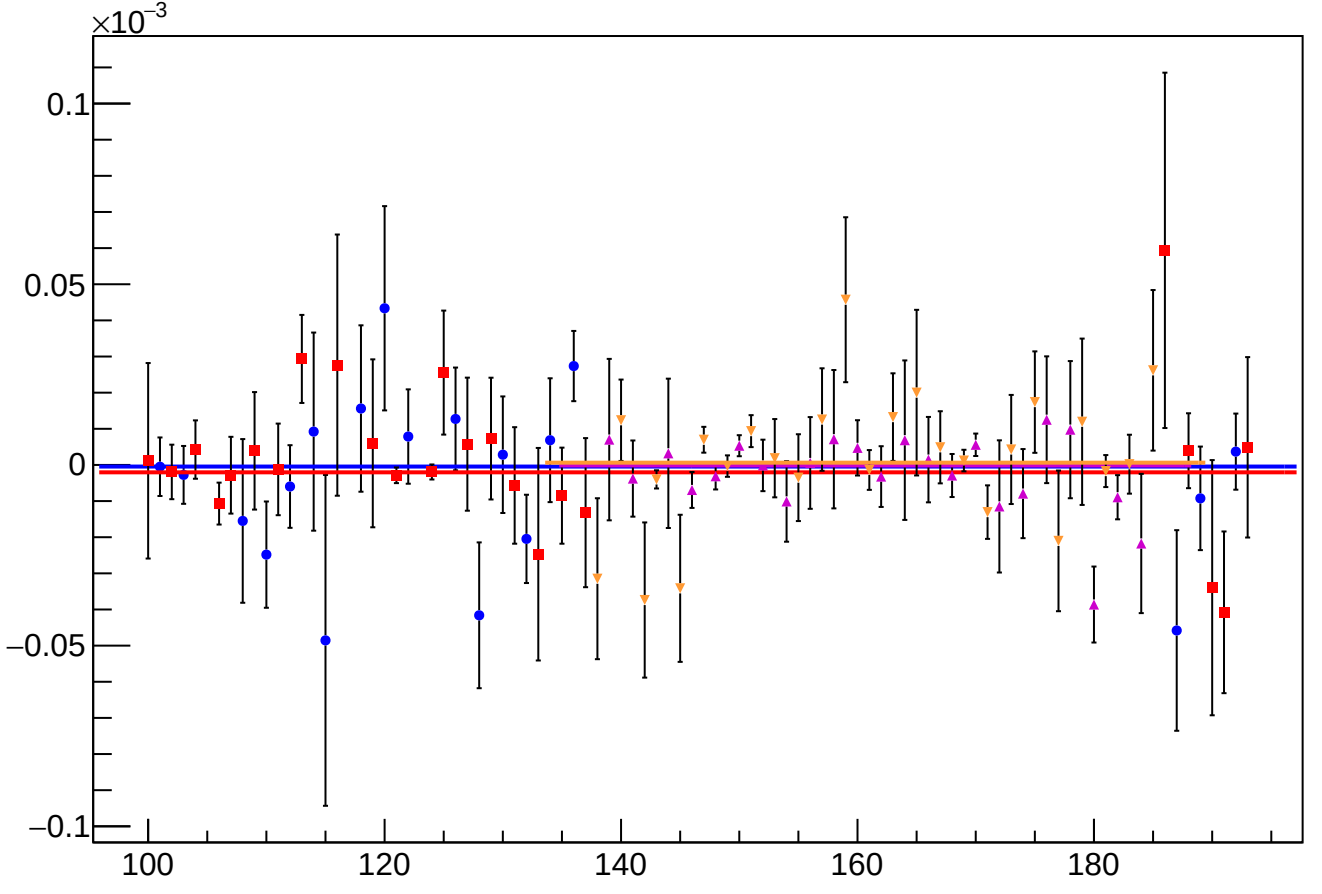
Right Out: 103.771+/-0.026 χ^2/NDF: 2988353.0/23

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.606+/-0.027 χ^2/NDF: 17044509.2/43

All: 152.038+/-0.018 χ^2/NDF: 36087325.1/90

- sign 141.572+/-0.024 χ^2/NDF: 18598483.6/46



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: 20.6/23

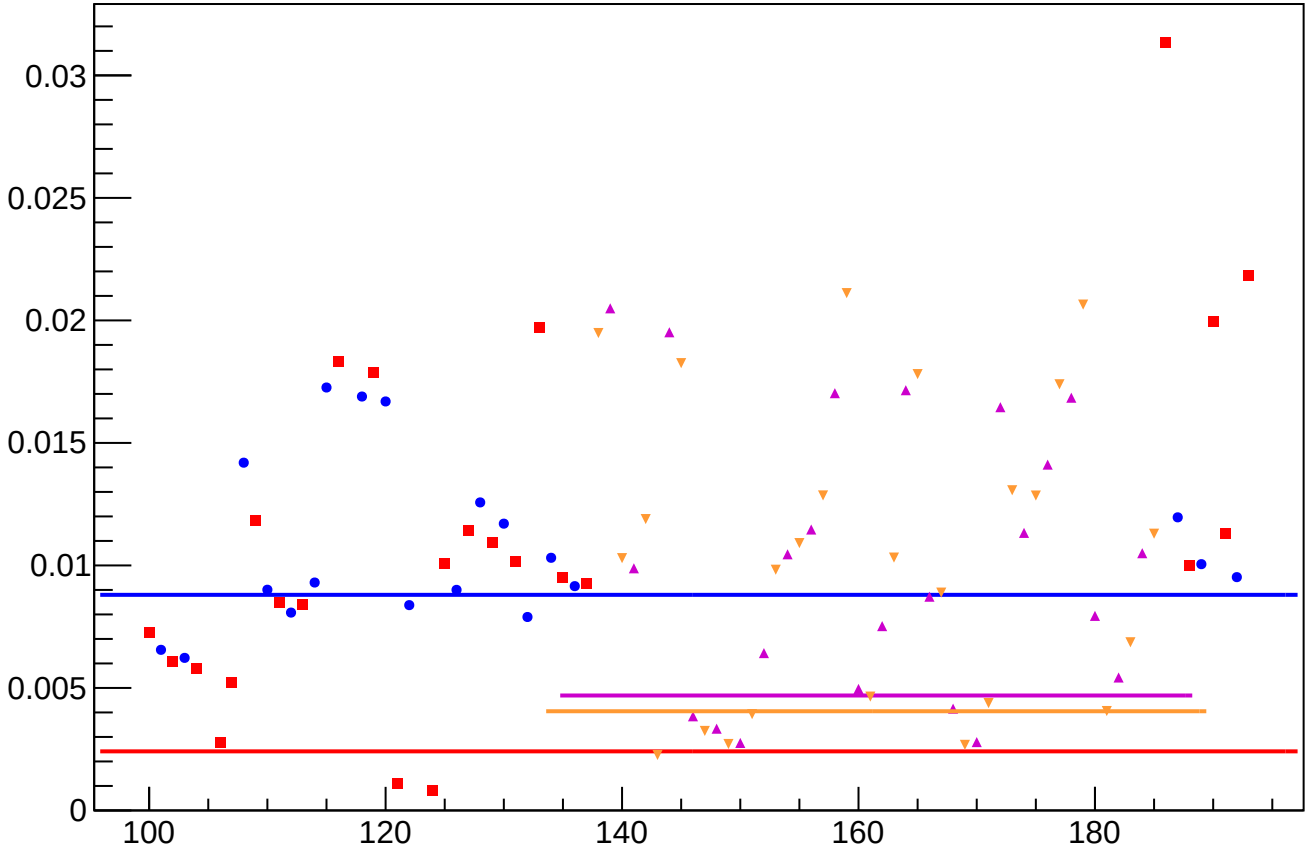
Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.1/43

All: -0.000+/-0.000 χ^2/NDF: 114.7/90

- sign -0.000+/-0.000 χ^2/NDF: 51.4/46

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1171281.6/18

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

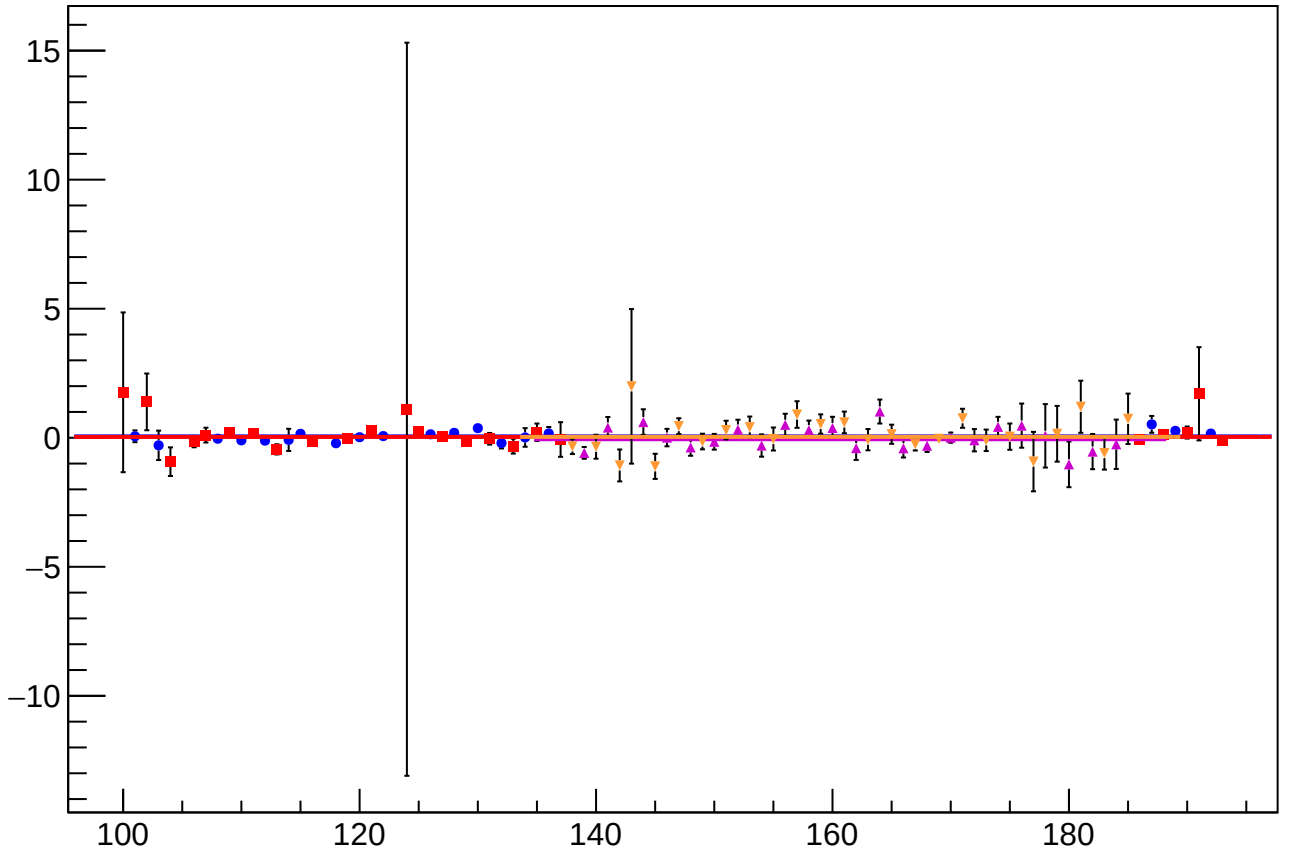
Right Out: 0.002+/-0.000 χ^2/NDF: 12952960.8/23

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: 46666023.6/90

- sign 0.003+/-0.000 χ^2/NDF: 26617945.1/46



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: 0.033+/-0.037 χ^2/NDF: 26.2/23

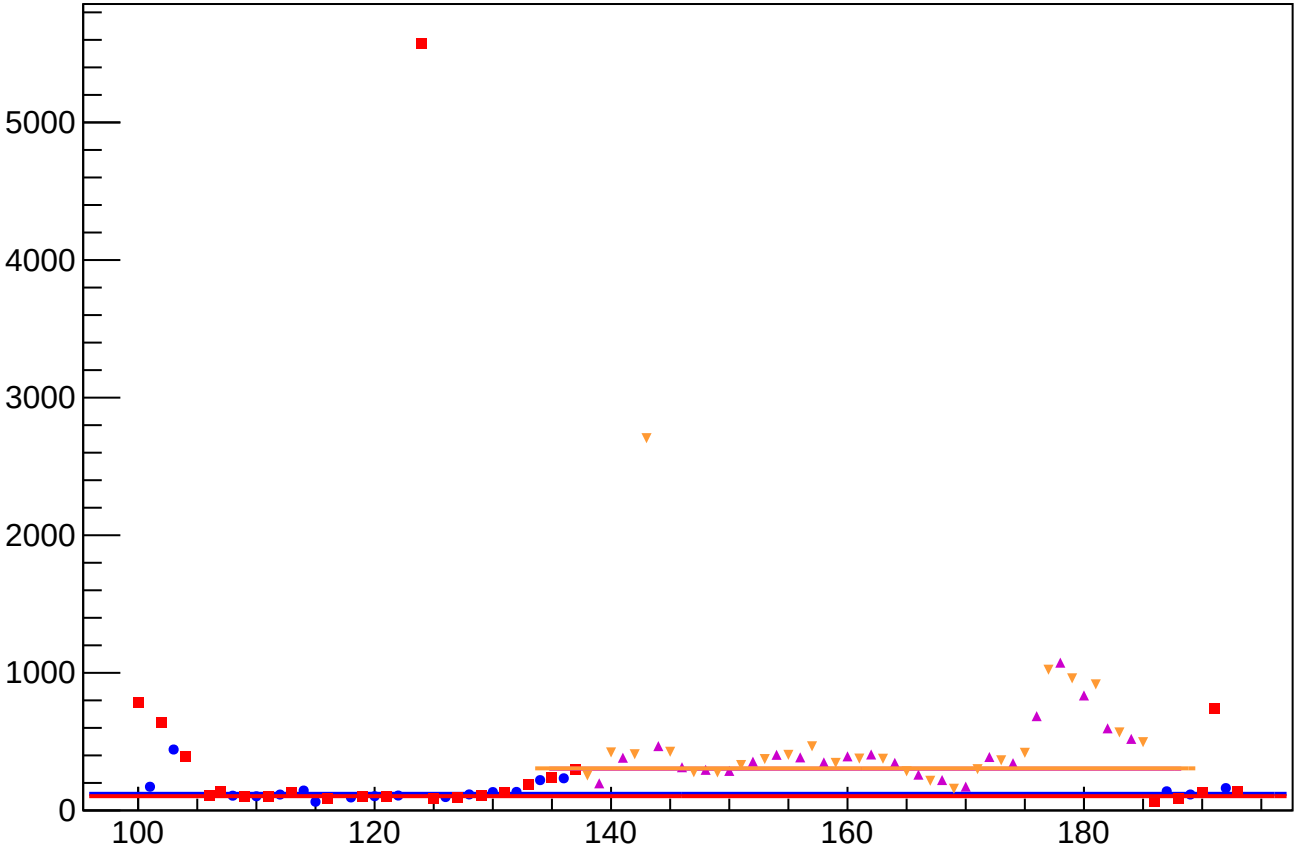
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.048+/-0.038 χ^2/NDF: 47.1/43

All: 0.030+/-0.025 χ^2/NDF: 100.8/90

- sign 0.016+/-0.034 χ^2/NDF: 53.3/46

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

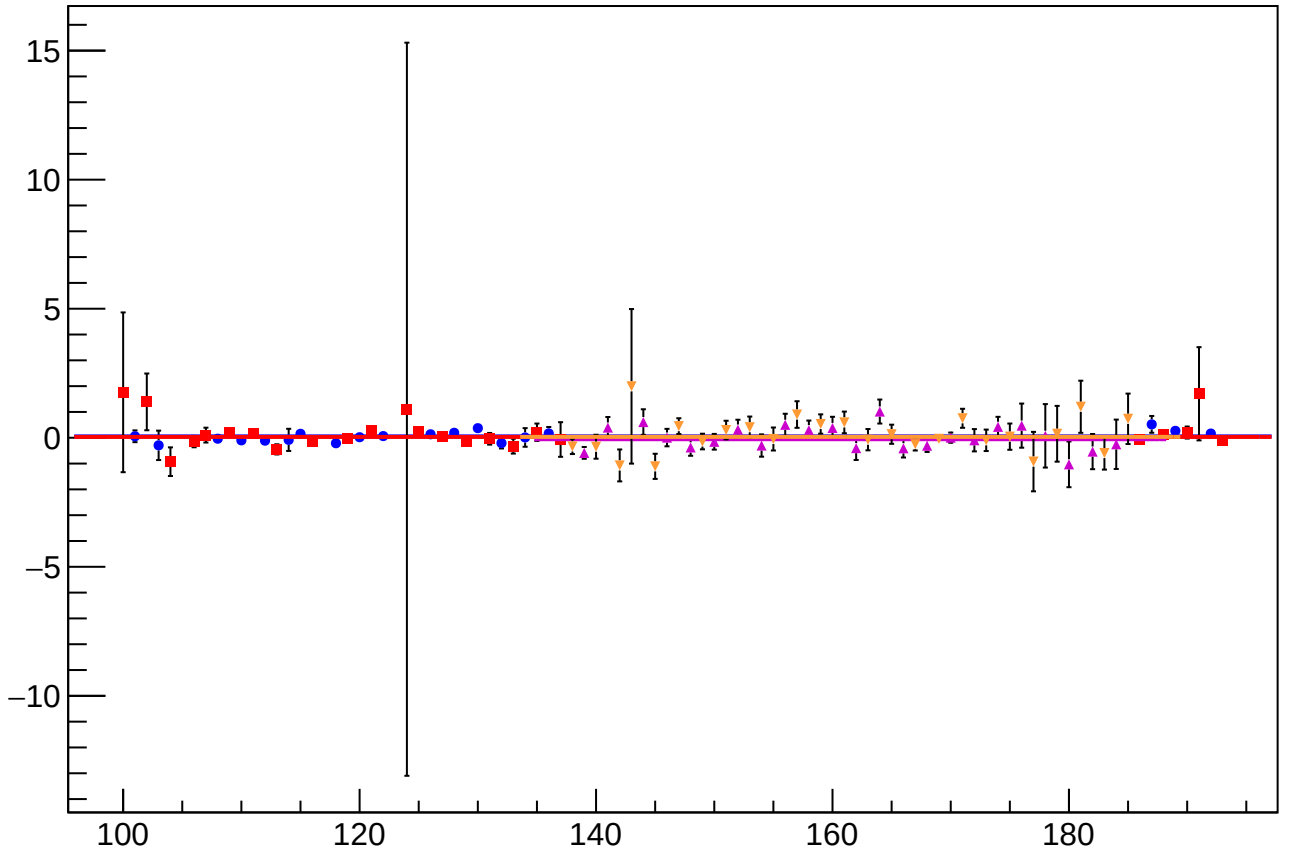
Right Out: 103.772+/-0.026 χ^2/NDF: 2988198.6/23

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.607+/-0.027 χ^2/NDF: 17044586.2/43

All: 152.039+/-0.018 χ^2/NDF: 36087239.2/90

- sign 141.573+/-0.024 χ^2/NDF: 18598344.3/46



Right In: 0.052+/-0.044 χ^2/NDF: 16.6/18

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

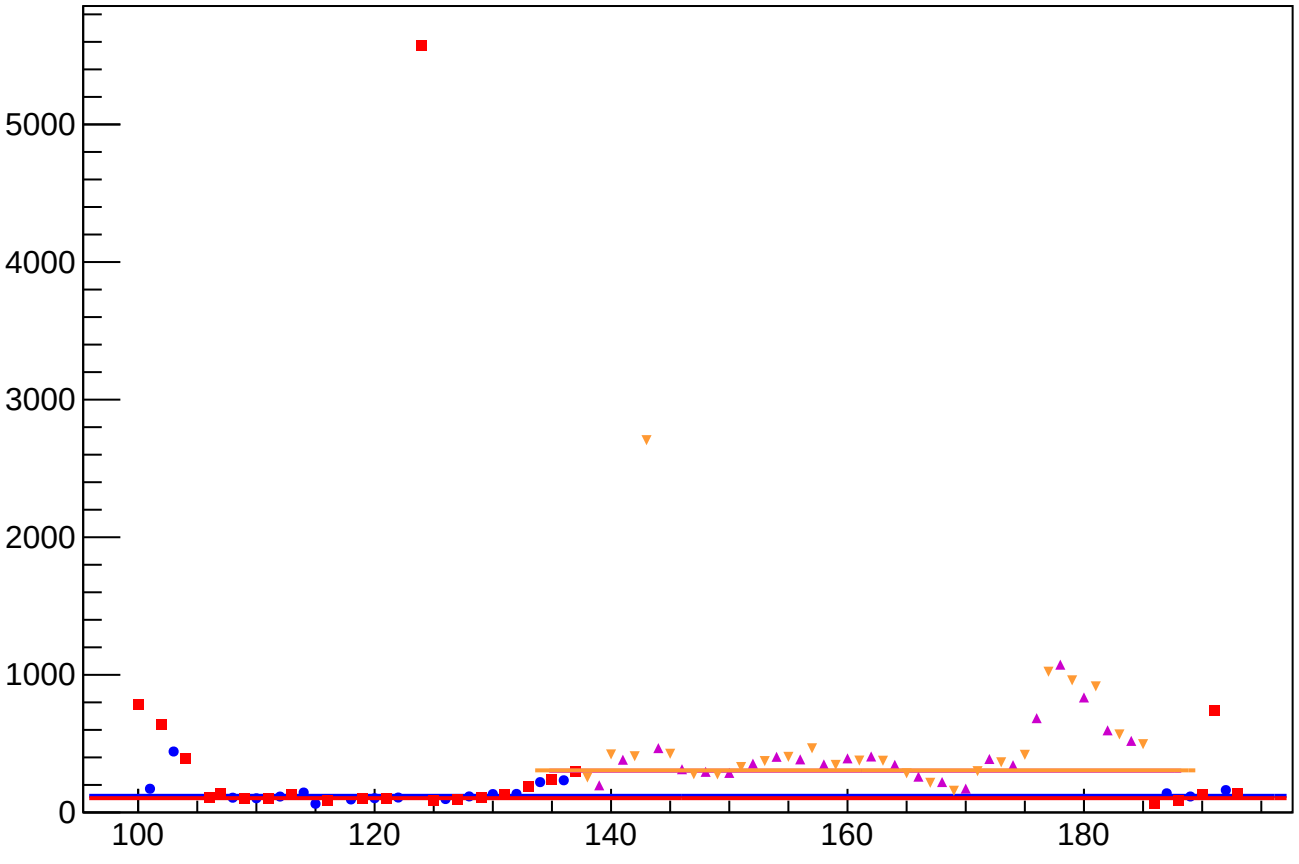
Right Out: 0.033+/-0.037 χ^2/NDF: 26.2/23

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.048+/-0.038 χ^2/NDF: 47.1/43

All: 0.030+/-0.025 χ^2/NDF: 100.8/90

- sign 0.016+/-0.034 χ^2/NDF: 53.3/46



Right In: 120.884+/-0.031 χ^2/NDF: 1857664.7/18

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

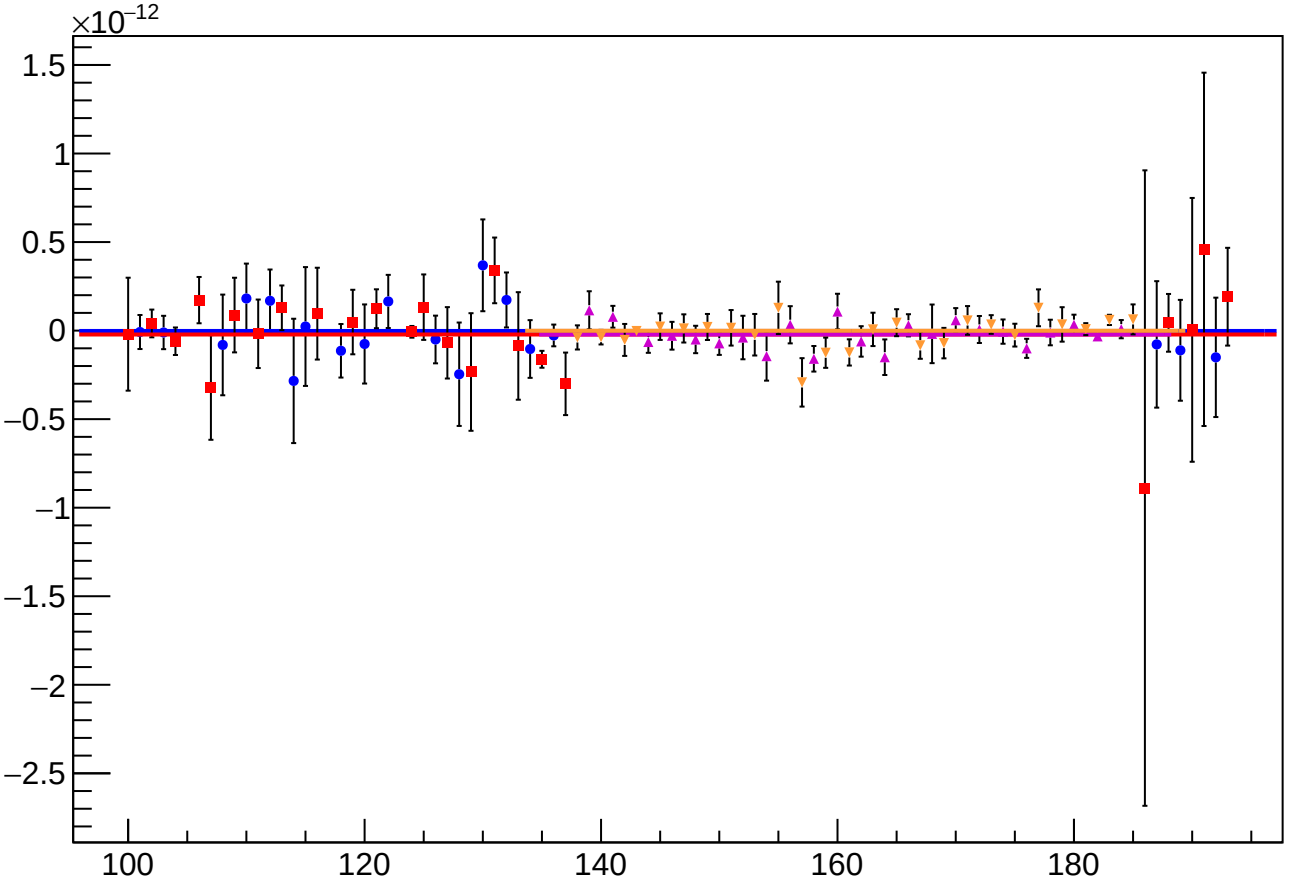
Right Out: 103.772+/-0.026 χ^2/NDF: 2988198.6/23

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.607+/-0.027 χ^2/NDF: 17044586.2/43

All: 152.039+/-0.018 χ^2/NDF: 36087239.2/90

- sign 141.573+/-0.024 χ^2/NDF: 18598344.3/46



Right In: -0.000+/-0.000 χ^2/NDF: 9.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

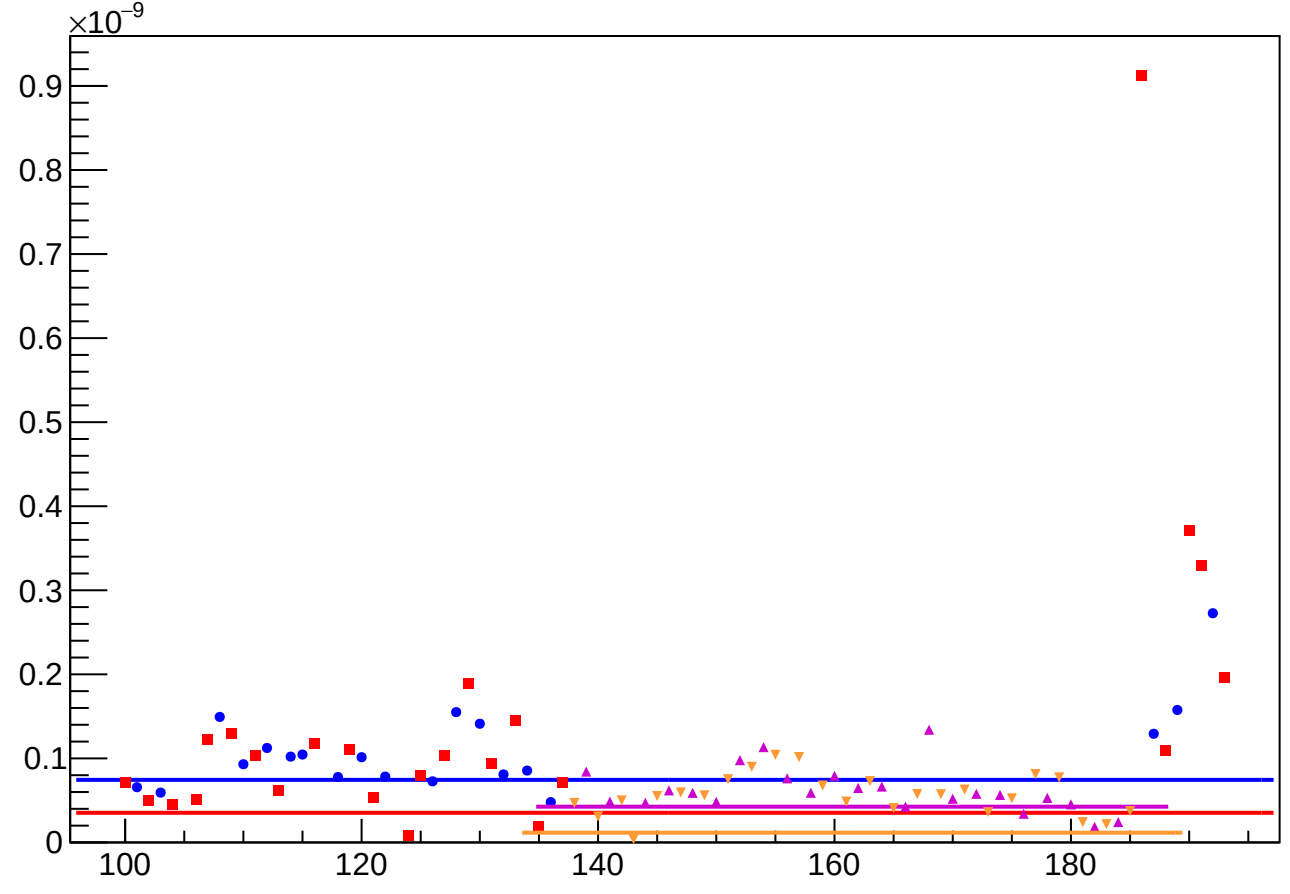
Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/23

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: 79.3/90

- sign -0.000+/-0.000 χ^2/NDF: 45.0/46



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: 6638509.7/23

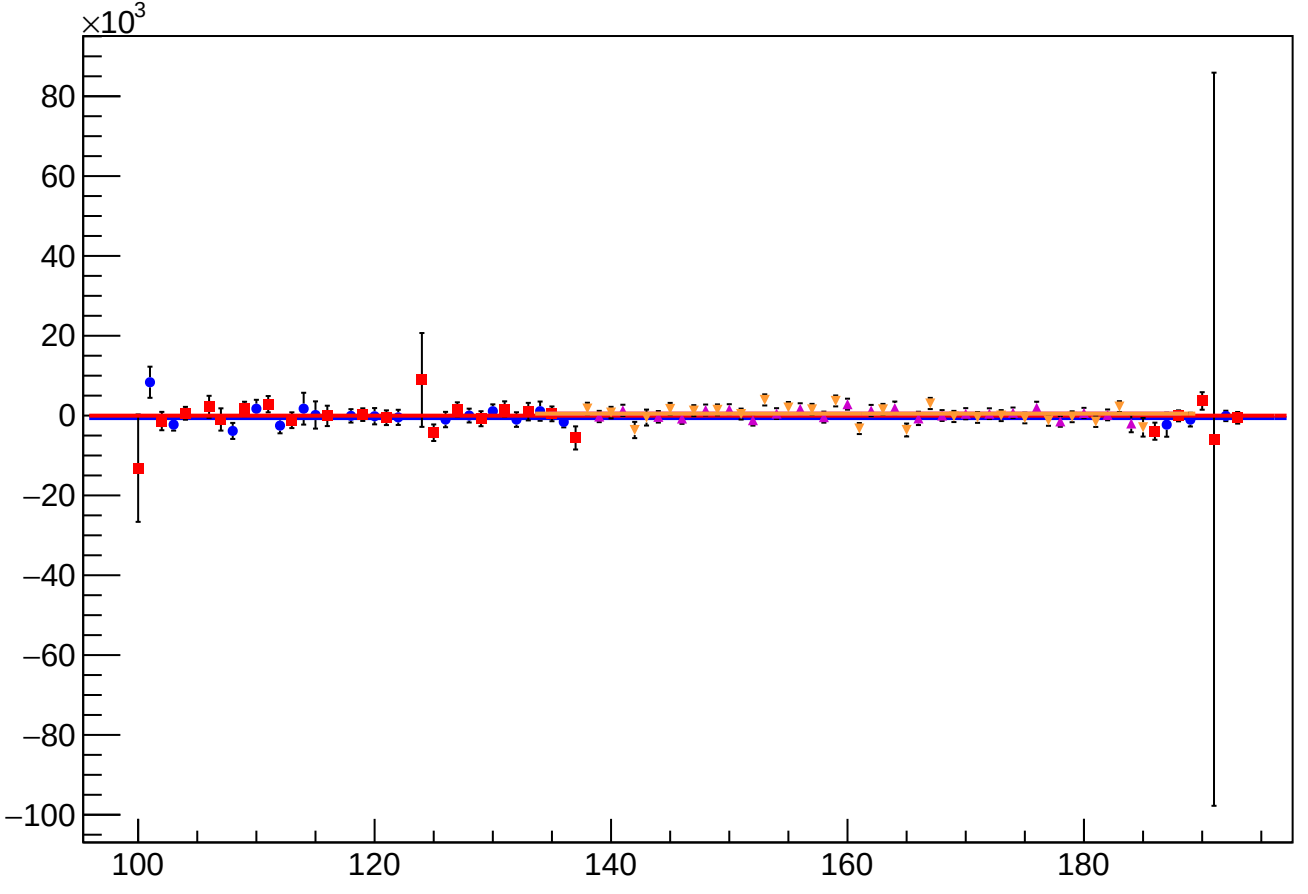
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 26507636.2/43

All: 0.000+/-0.000 χ^2/NDF: 47874192.3/90

- sign 0.000+/-0.000 χ^2/NDF: 12225368.4/46

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: -18.998+/-421.514 χ^2/NDF: 22.1/23

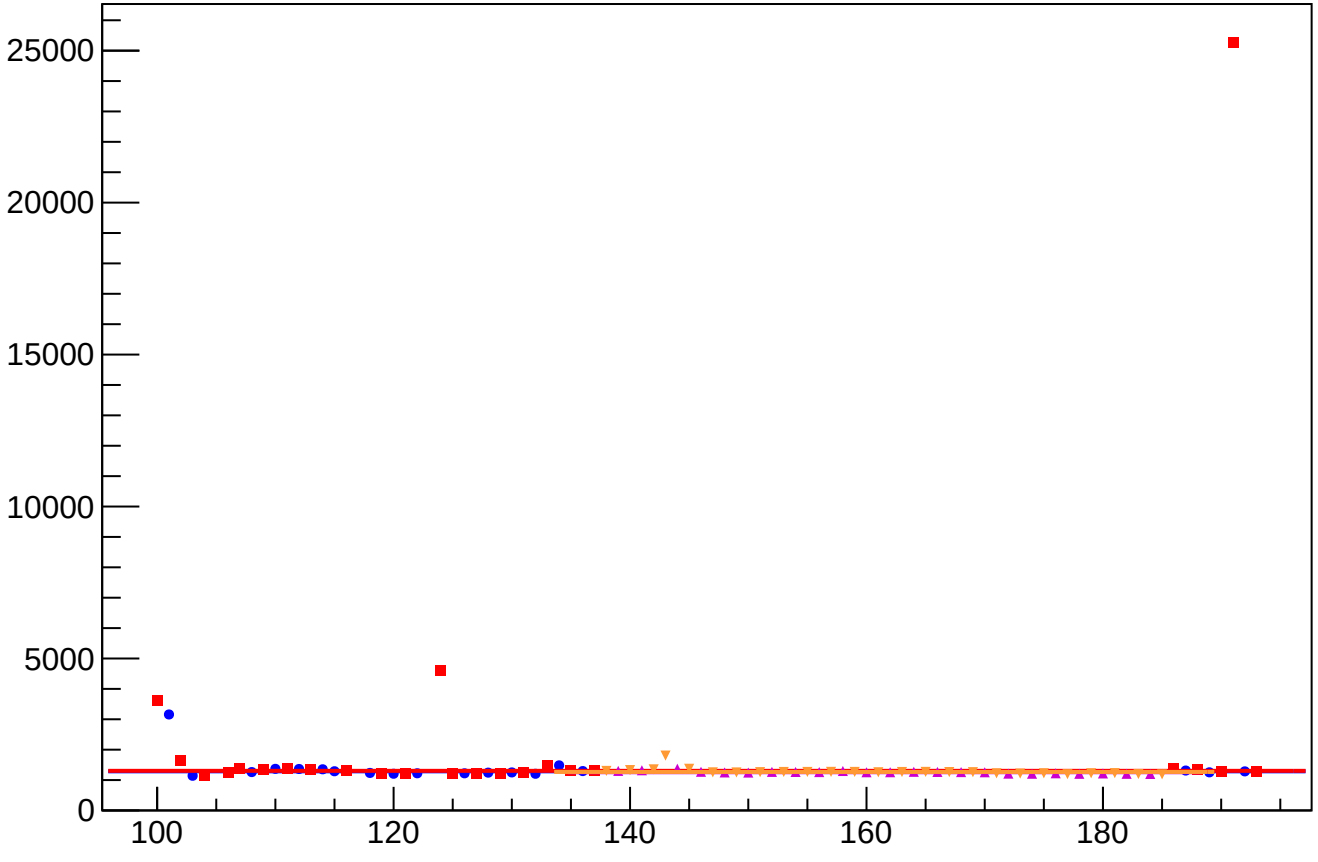
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 152.432+/-240.862 χ^2/NDF: 65.9/43

All: 236.892+/-170.368 χ^2/NDF: 103.7/90

- sign 321.456+/-241.011 χ^2/NDF: 37.5/46

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

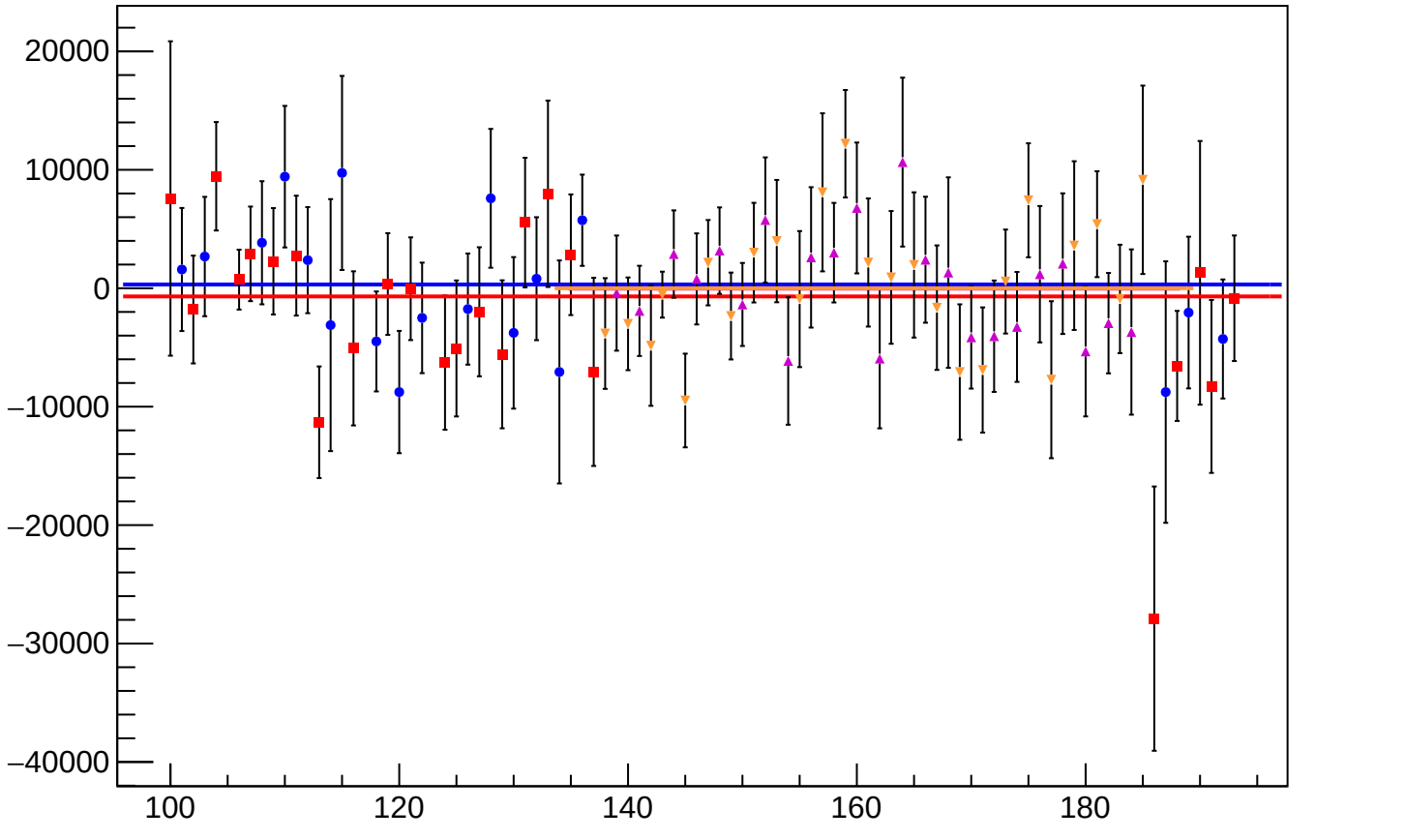
Right Out: 1303.467+/-0.297 χ^2/NDF: 465248.0/23

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706145.6/43

All: 1272.863+/-0.120 χ^2/NDF: 1224230.2/90

- sign 1272.602+/-0.170 χ^2/NDF: 518079.8/46



Right In: 317.922+/-1248.509 χ^2/NDF: 15.9/18

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

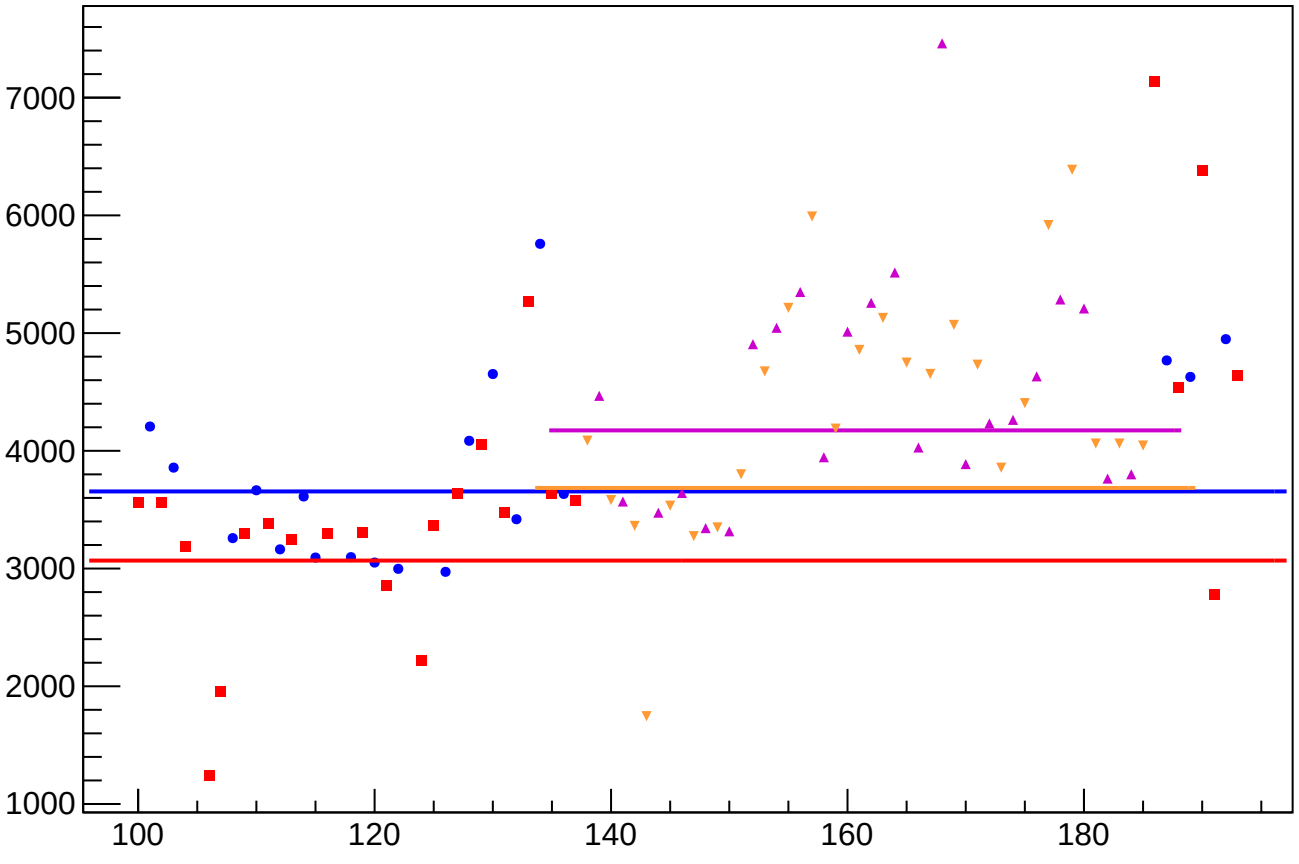
Right Out: -691.152+/-1038.706 χ^2/NDF: 27.5/23

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 106.157+/-722.814 χ^2/NDF: 45.0/43

All: -121.889+/-509.631 χ^2/NDF: 86.9/90

- sign -347.319+/-718.657 χ^2/NDF: 41.8/46



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: 3067.820+/-0.734 χ^2/NDF: 2400847.5/23

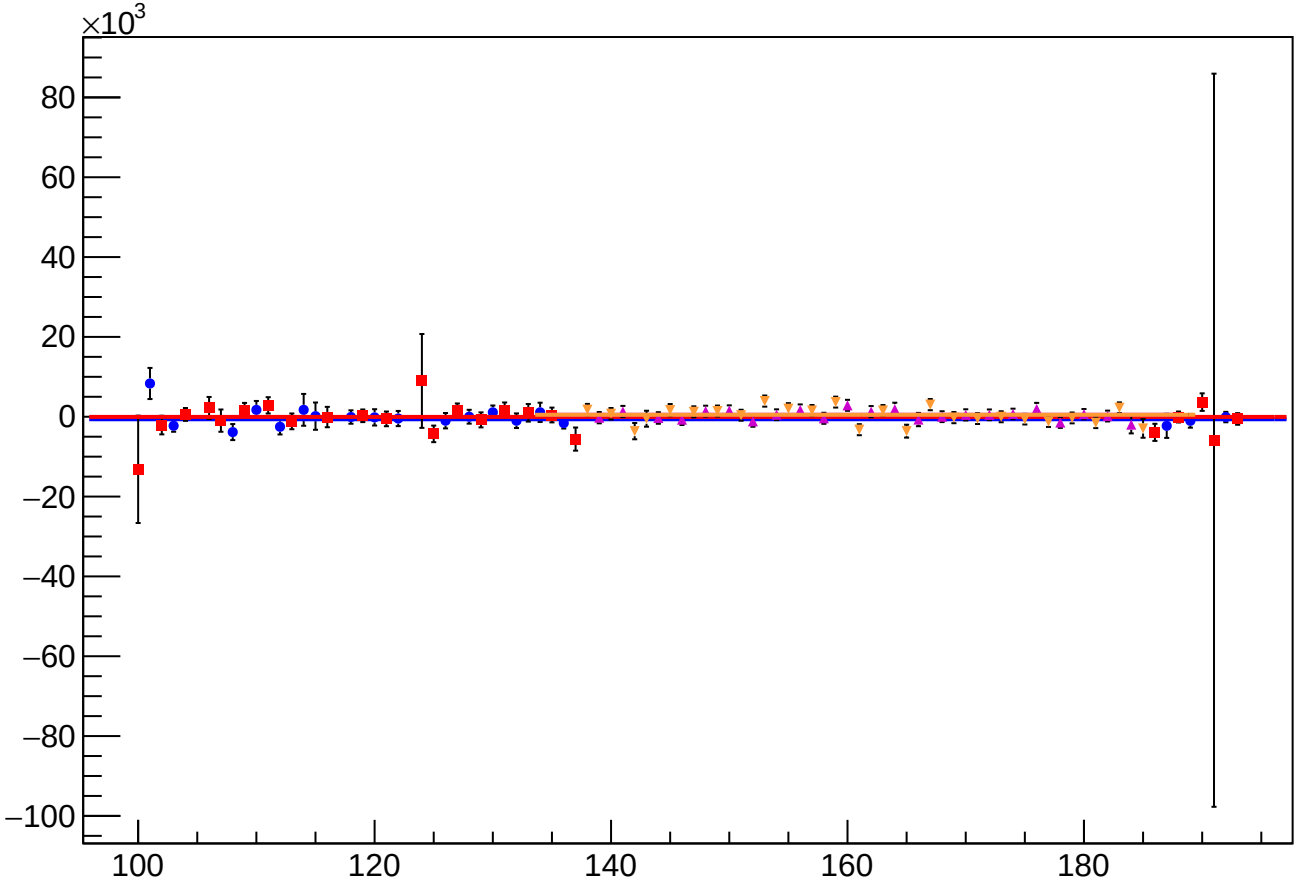
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3674.800+/-0.511 χ^2/NDF: 4272141.3/43

All: 3659.435+/-0.360 χ^2/NDF: 9131275.0/90

\- sign 3644.247+/-0.508 χ^2/NDF: 4857336.6/46

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: -40.726+/-421.723 χ^2/NDF: 22.6/23

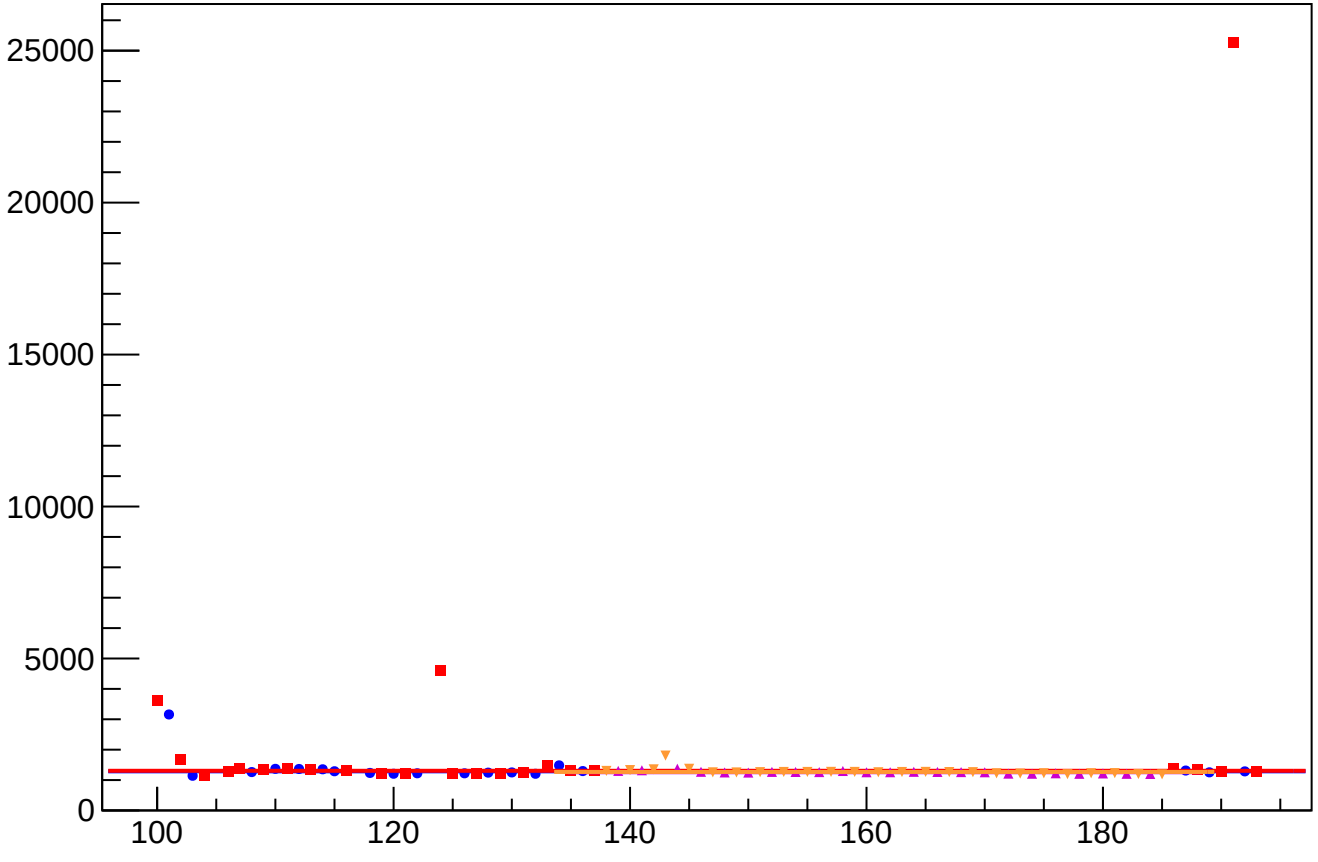
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 233.310+/-170.382 χ^2/NDF: 104.2/90

- sign 314.399+/-241.050 χ^2/NDF: 38.1/46

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

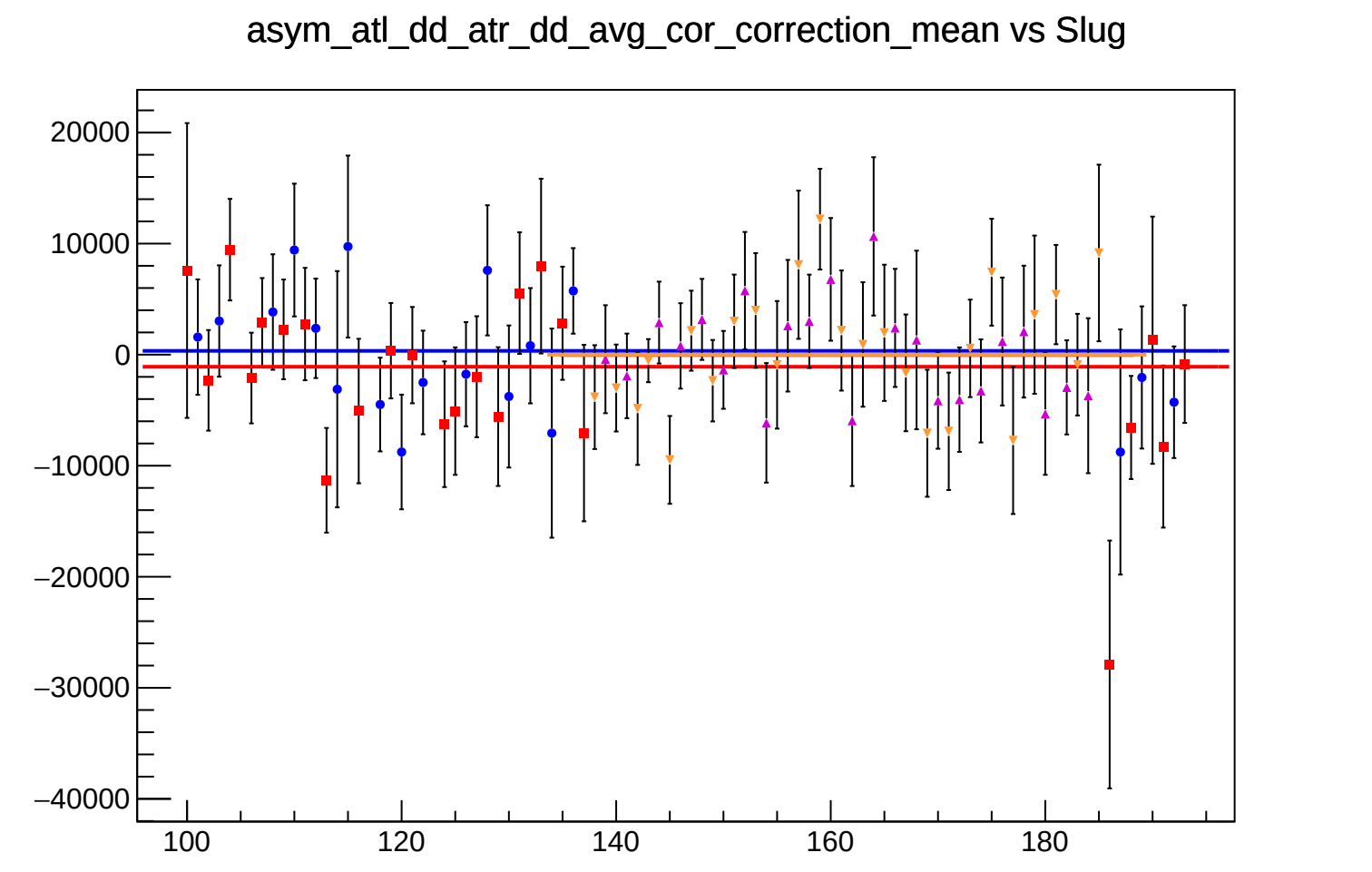
Right Out: 1304.993+/-0.298 χ^2/NDF: 471624.2/23

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.102+/-0.120 χ^2/NDF: 1231660.7/90

- sign 1273.080+/-0.170 χ^2/NDF: 525513.7/46



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

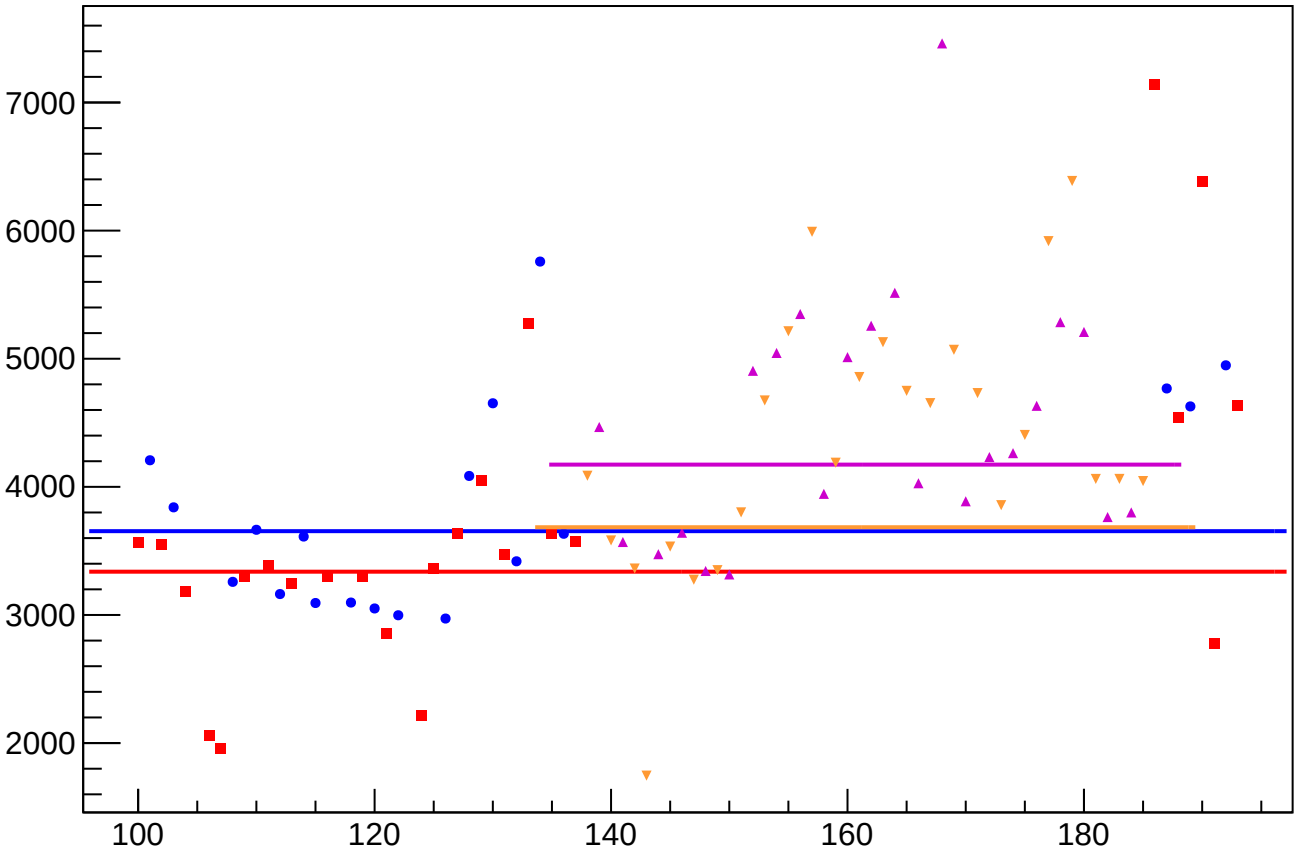
Right Out: -1089.915+/-1096.873 χ^2/NDF: 27.3/23

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 114.011+/-722.740 χ^2/NDF: 45.0/43

All: -191.621+/-516.057 χ^2/NDF: 87.2/90

- sign -509.521+/-737.102 χ^2/NDF: 41.8/46



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

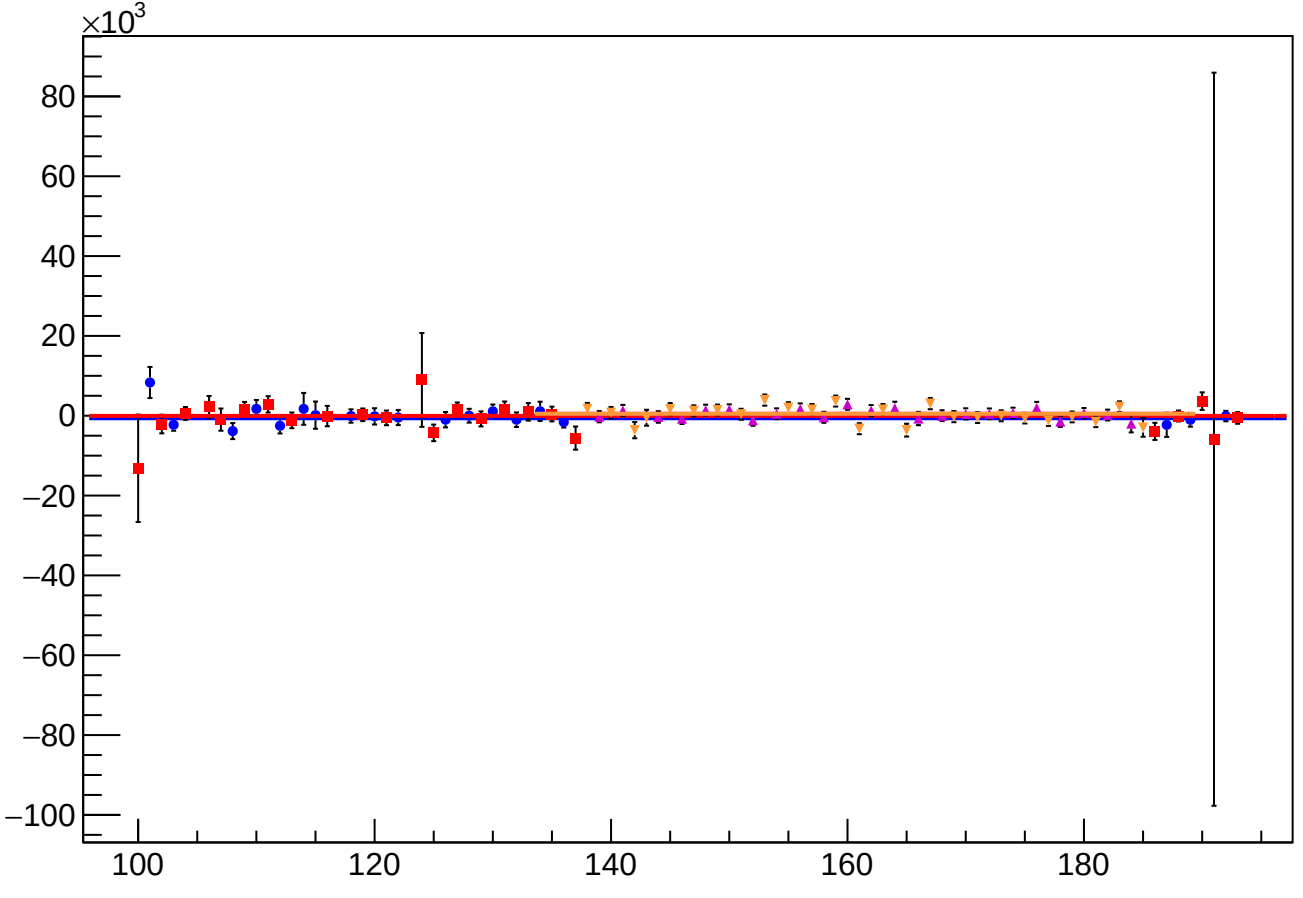
Right Out: 3337.829+/-0.776 χ^2/NDF: 1357527.1/23

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3734.122+/-0.365 χ^2/NDF: 7568800.0/90

- sign 3796.148+/-0.521 χ^2/NDF: 3269211.9/46



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: -40.726+/-421.723 χ^2/NDF: 22.6/23

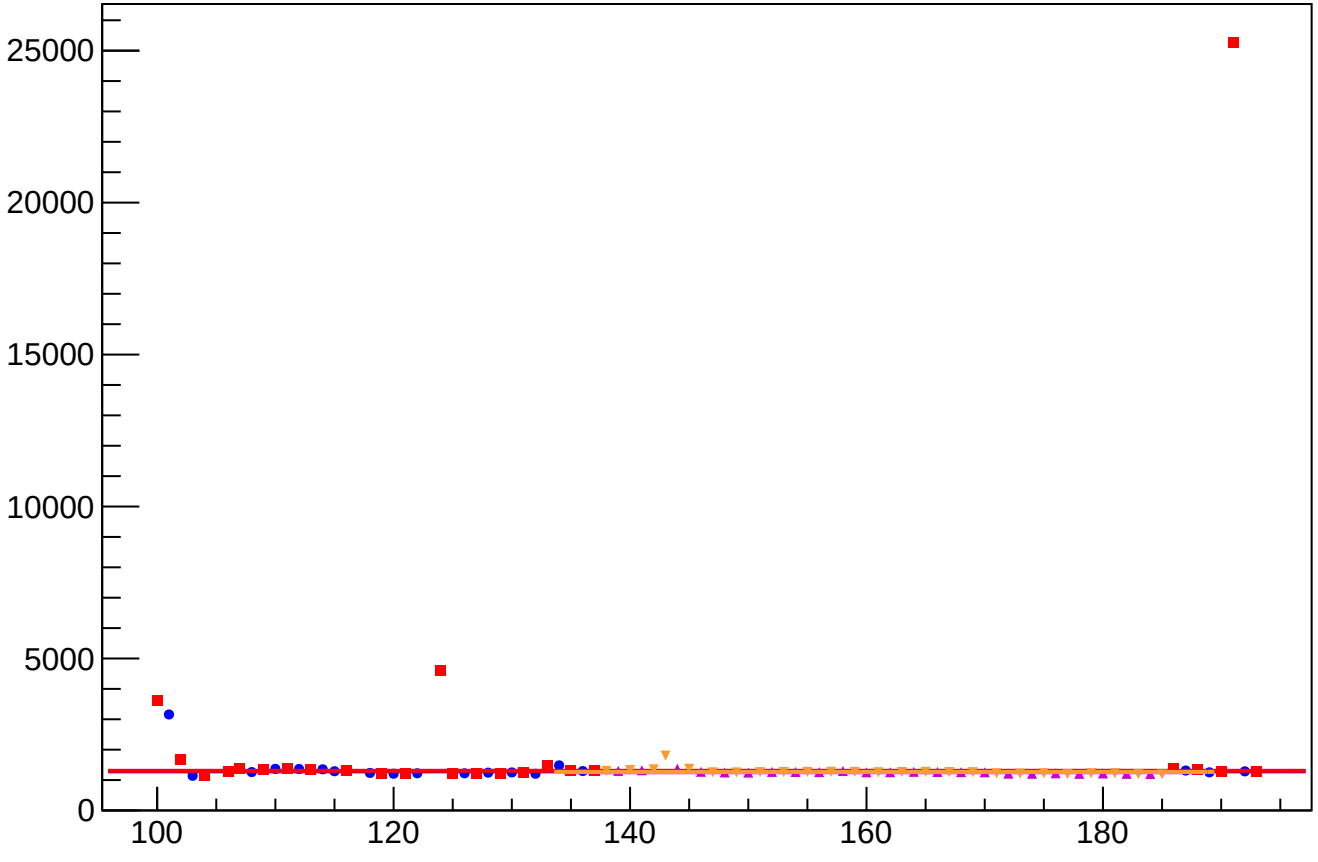
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 233.310+/-170.382 χ^2/NDF: 104.2/90

- sign 314.399+/-241.050 χ^2/NDF: 38.1/46

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

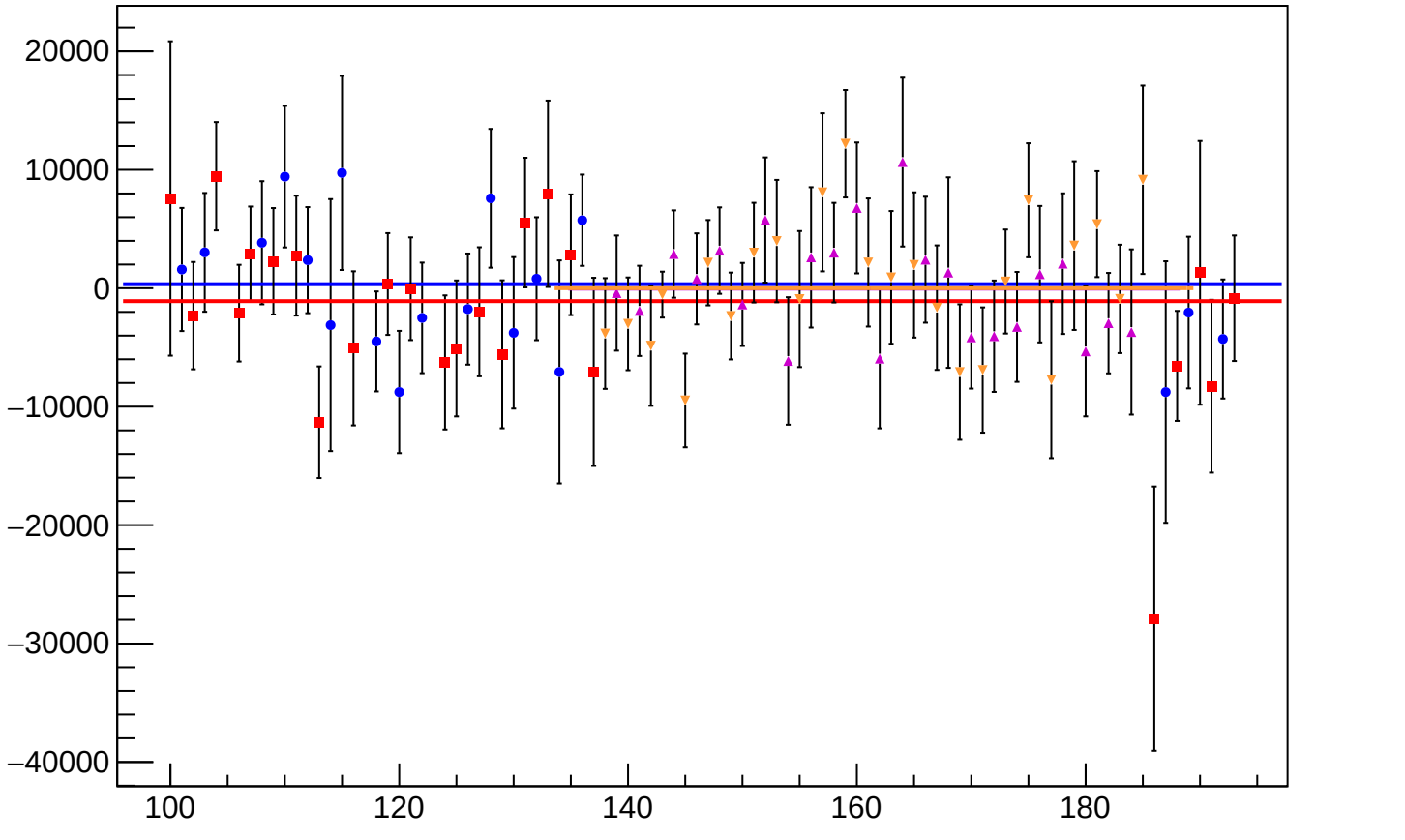
Right Out: 1304.993+/-0.298 χ^2/NDF: 471624.2/23

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.102+/-0.120 χ^2/NDF: 1231660.7/90

- sign 1273.080+/-0.170 χ^2/NDF: 525513.7/46



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

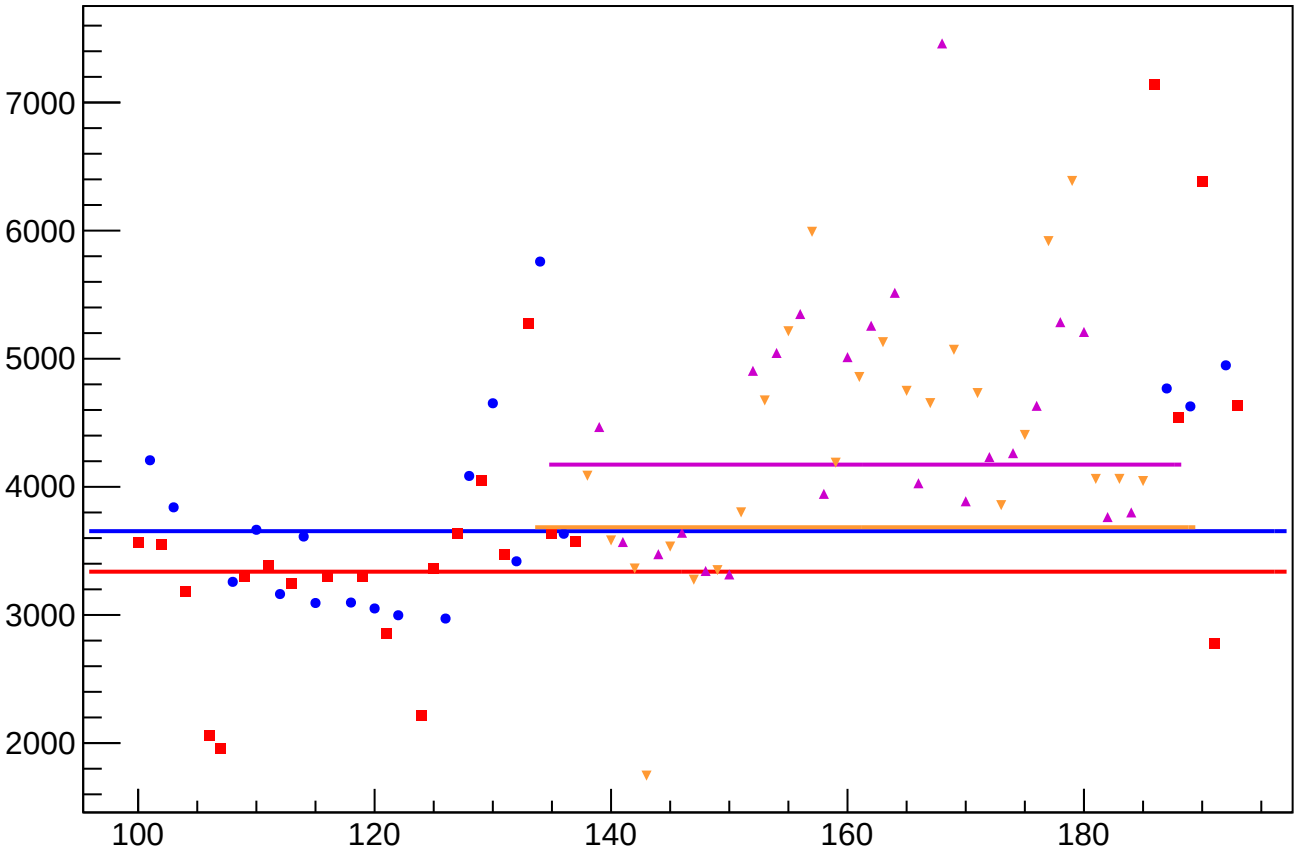
Right Out: -1089.915+/-1096.873 χ^2/NDF: 27.3/23

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 114.011+/-722.740 χ^2/NDF: 45.0/43

All: -191.621+/-516.057 χ^2/NDF: 87.2/90

- sign -509.521+/-737.102 χ^2/NDF: 41.8/46



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: 3337.829+/-0.776 χ^2/NDF: 1357527.1/23

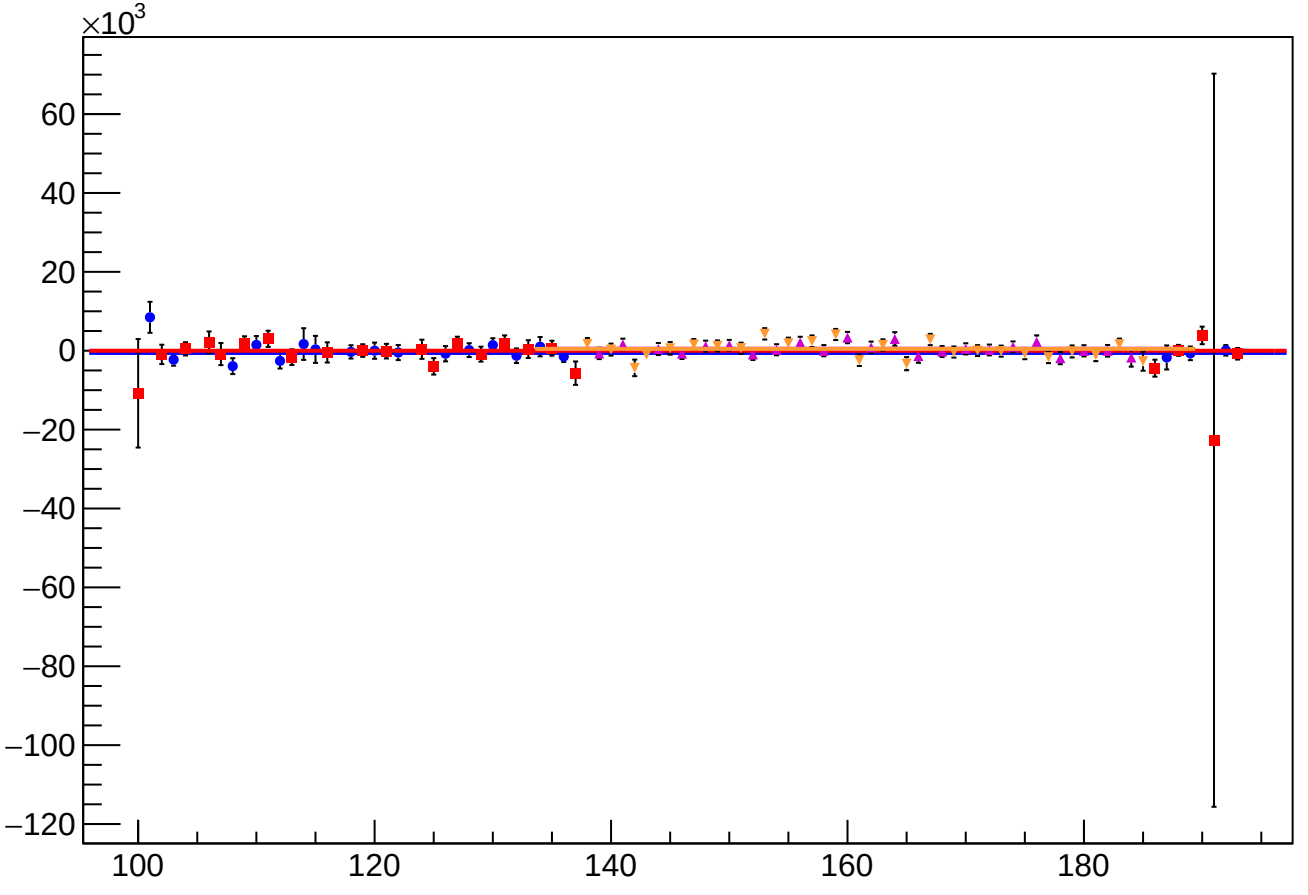
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3734.122+/-0.365 χ^2/NDF: 7568800.0/90

- sign 3796.148+/-0.521 χ^2/NDF: 3269211.9/46

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: -3.055+/-420.891 χ^2/NDF: 22.6/23

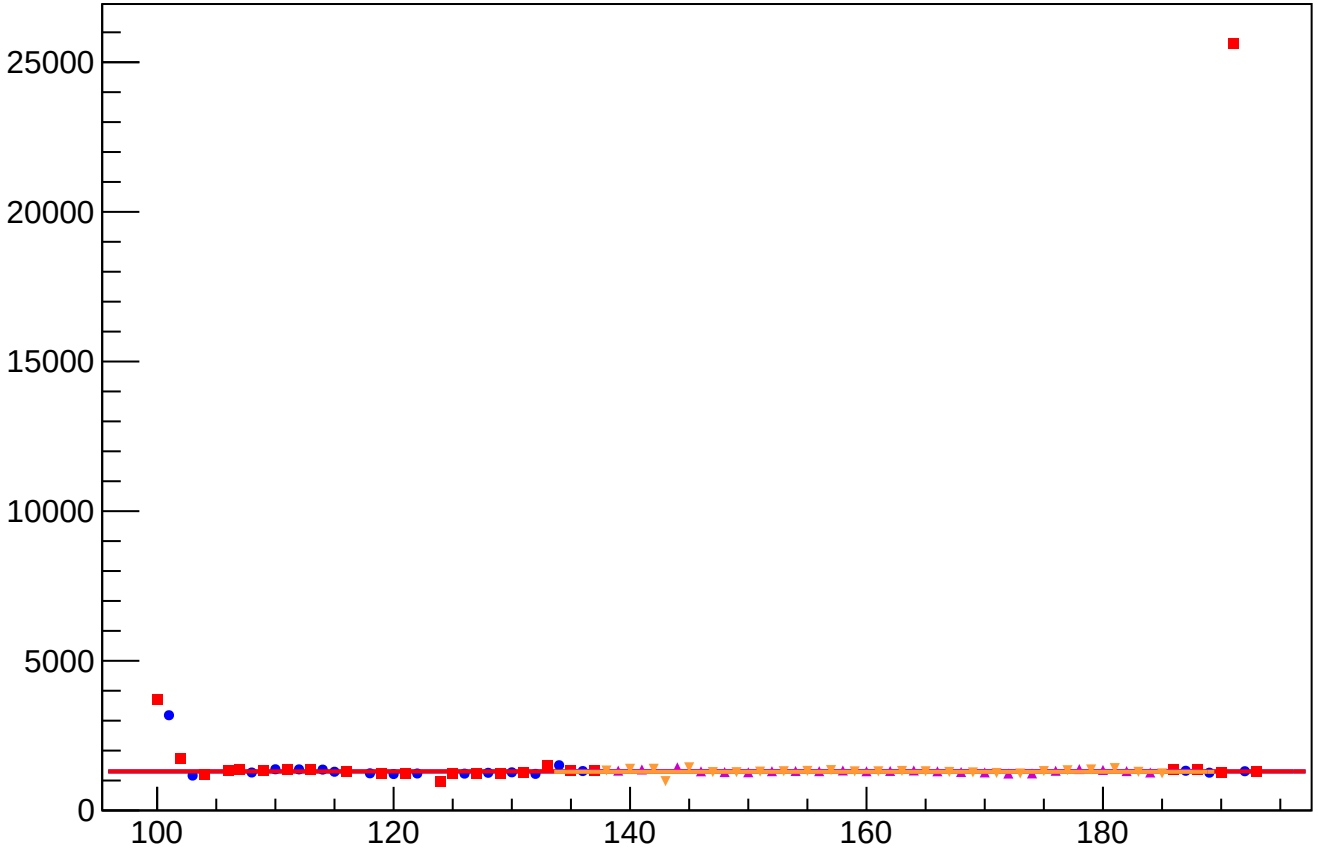
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 154.290+/-245.075 χ^2/NDF: 62.3/43

All: 239.888+/-174.340 χ^2/NDF: 103.5/90

- sign 327.584+/-248.059 χ^2/NDF: 40.9/46

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

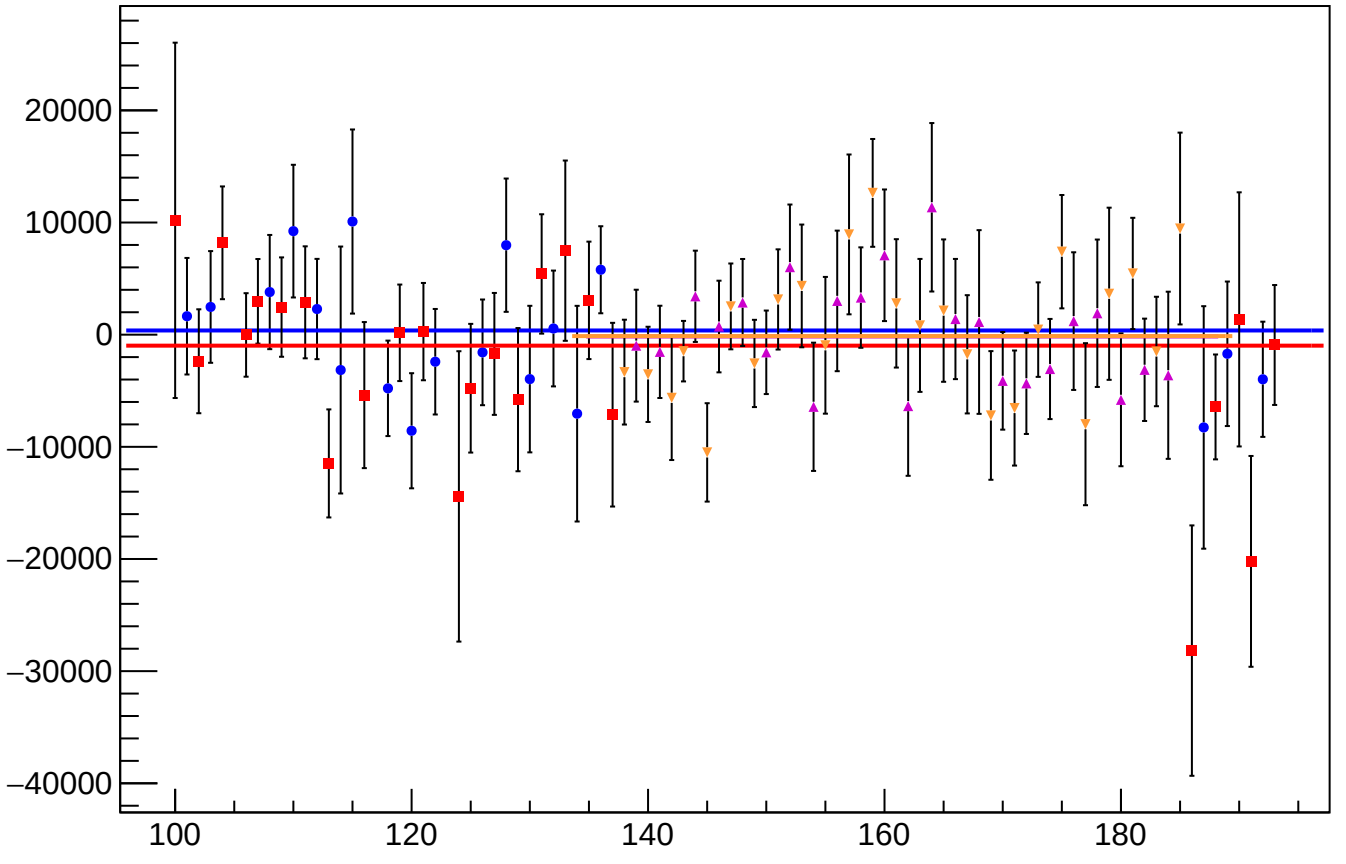
Right Out: 1305.319+/-0.297 χ^2/NDF: 360118.8/23

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.690+/-0.173 χ^2/NDF: 743518.9/43

All: 1302.741+/-0.123 χ^2/NDF: 1151607.7/90

- sign 1310.986+/-0.175 χ^2/NDF: 403720.0/46



Right In: 374.648+/-1251.845 χ^2/NDF: 15.7/18

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

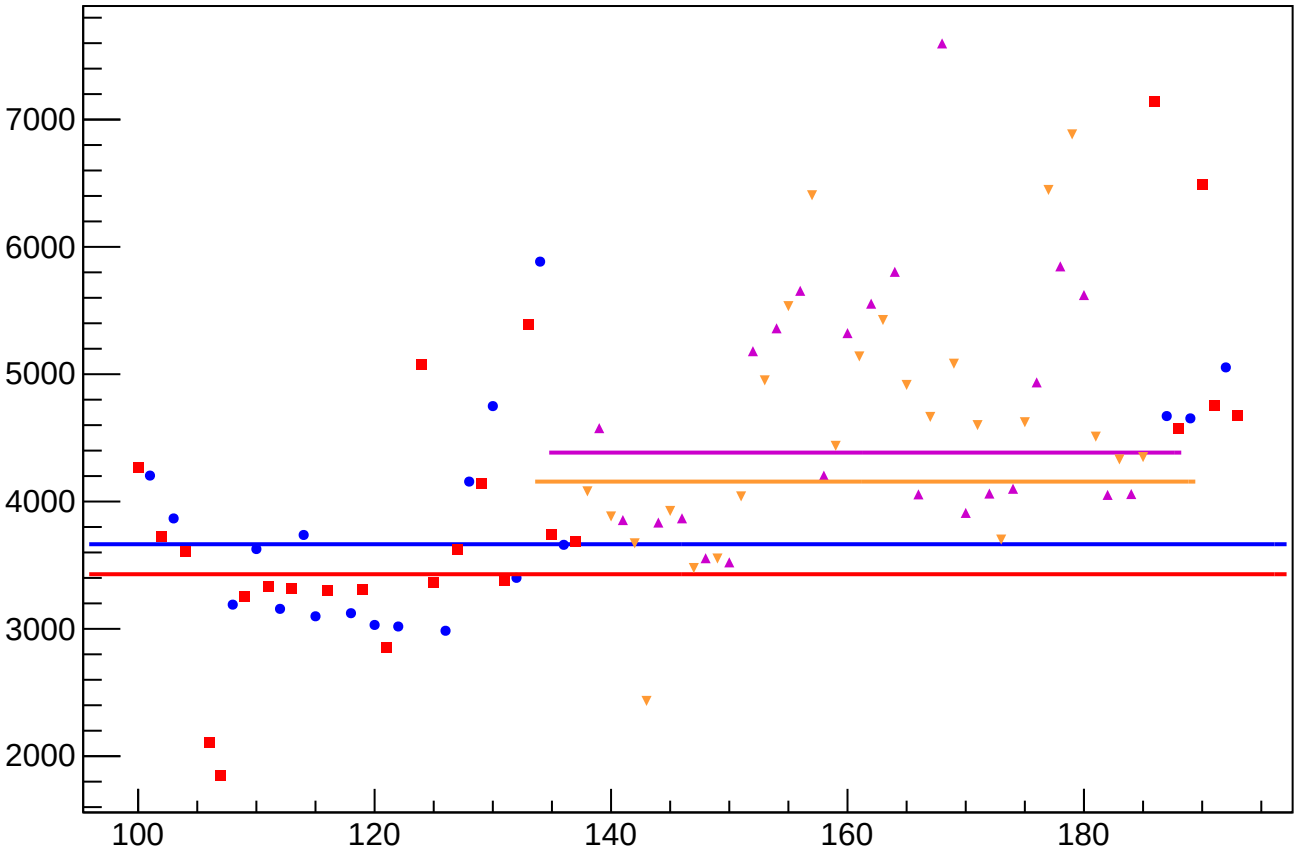
Right Out: -979.026+/-1116.434 χ^2/NDF: 29.0/23

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 62.777+/-770.312 χ^2/NDF: 44.4/43

All: -242.637+/-542.136 χ^2/NDF: 87.8/90

- sign -542.381+/-763.129 χ^2/NDF: 43.1/46



Right In: 3664.685+/-0.885 χ^2/NDF: 611305.2/18

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

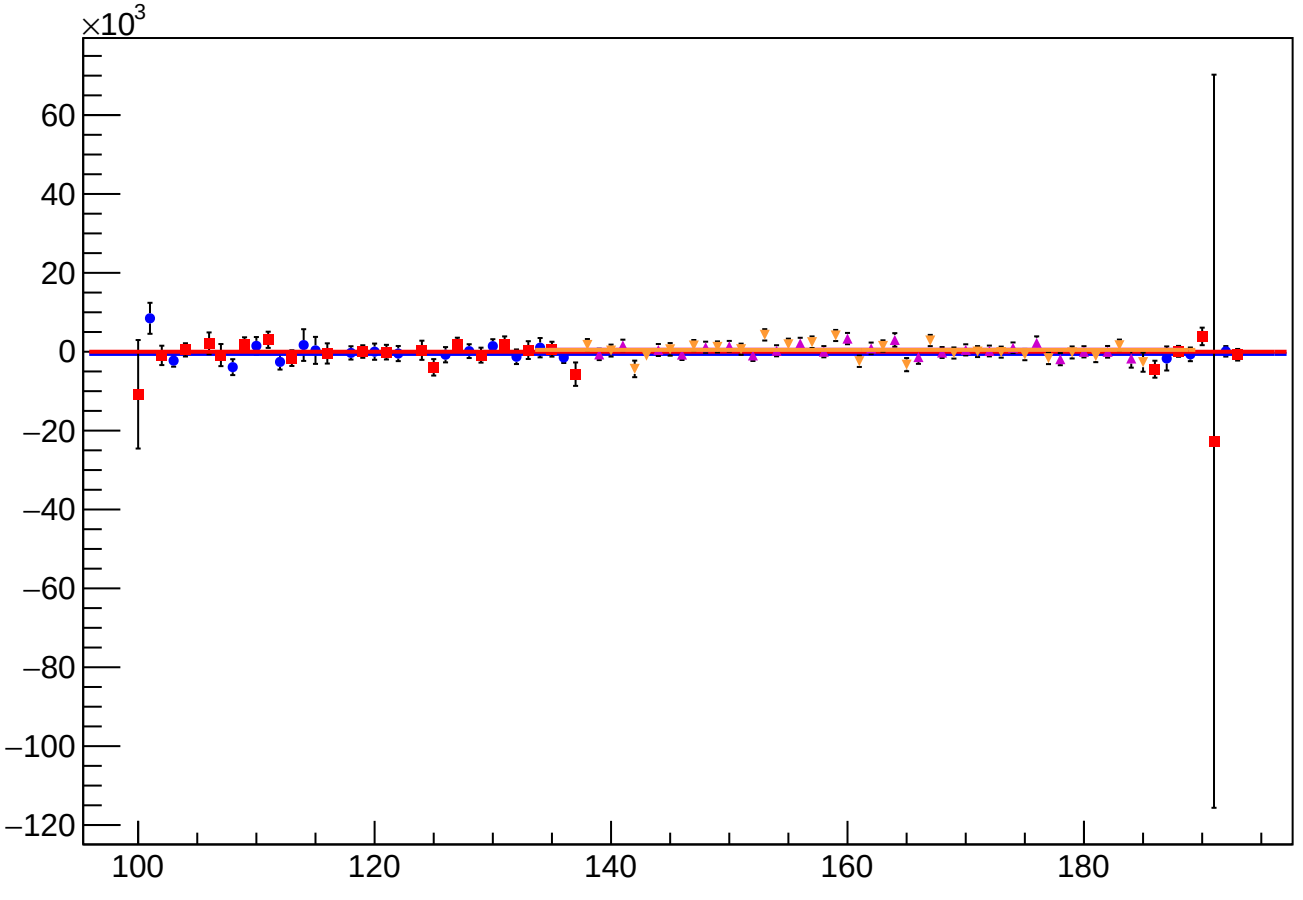
Right Out: 3429.095+/-0.789 χ^2/NDF: 1485302.2/23

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3970.327+/-0.545 χ^2/NDF: 2883945.7/43

All: 3954.018+/-0.383 χ^2/NDF: 6406537.3/90

- sign 3938.012+/-0.540 χ^2/NDF: 3520815.2/46



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: -3.048+/-420.891 χ^2/NDF: 22.6/23

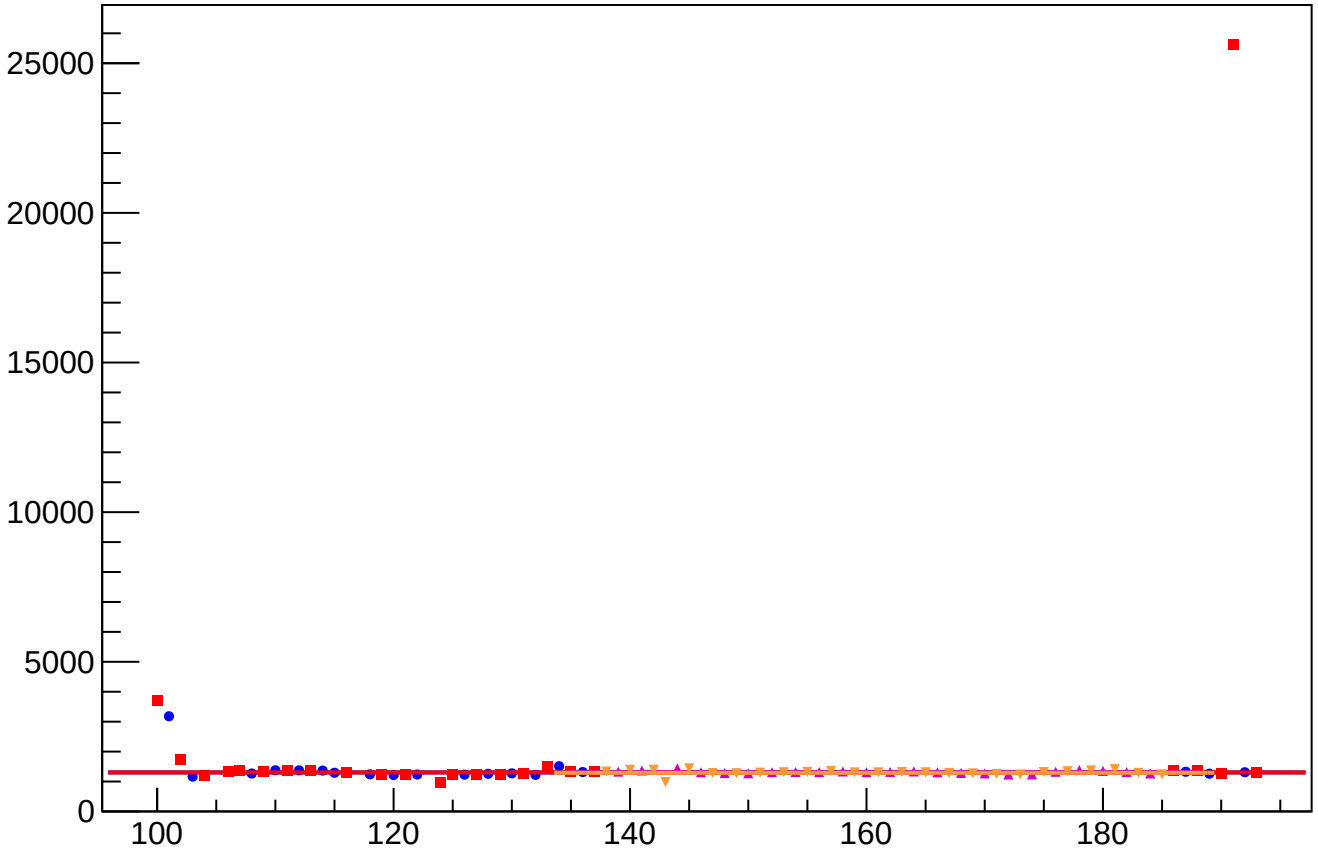
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 154.291+/-245.075 χ^2/NDF: 62.3/43

All: 239.890+/-174.340 χ^2/NDF: 103.5/90

- sign 327.587+/-248.060 χ^2/NDF: 40.9/46

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

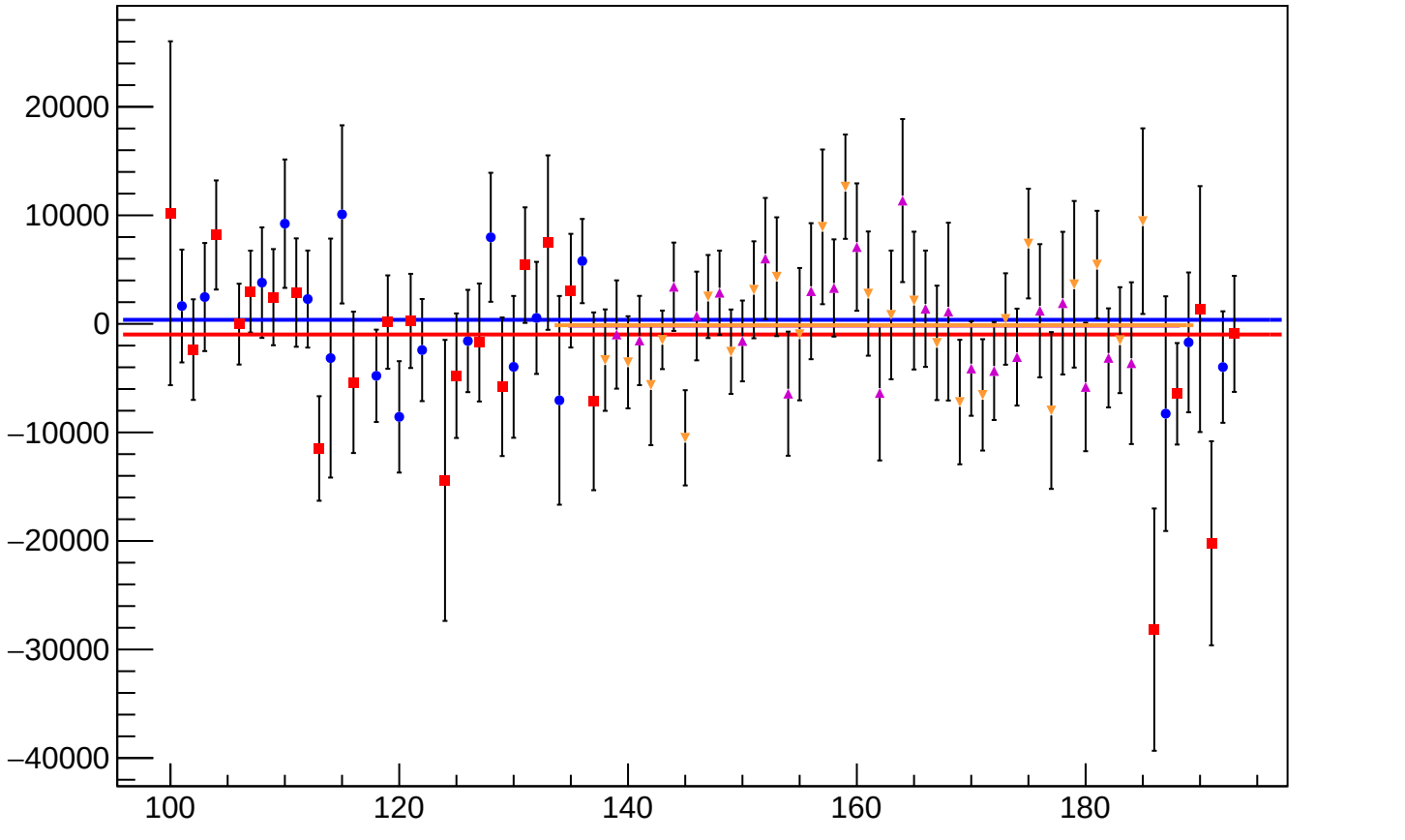
Right Out: 1305.319+/-0.297 χ^2/NDF: 360119.0/23

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.691+/-0.173 χ^2/NDF: 743521.3/43

All: 1302.742+/-0.123 χ^2/NDF: 1151612.5/90

- sign 1310.987+/-0.175 χ^2/NDF: 403722.4/46



Right In: 374.640+/-1251.843 χ^2/NDF: 15.7/18

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

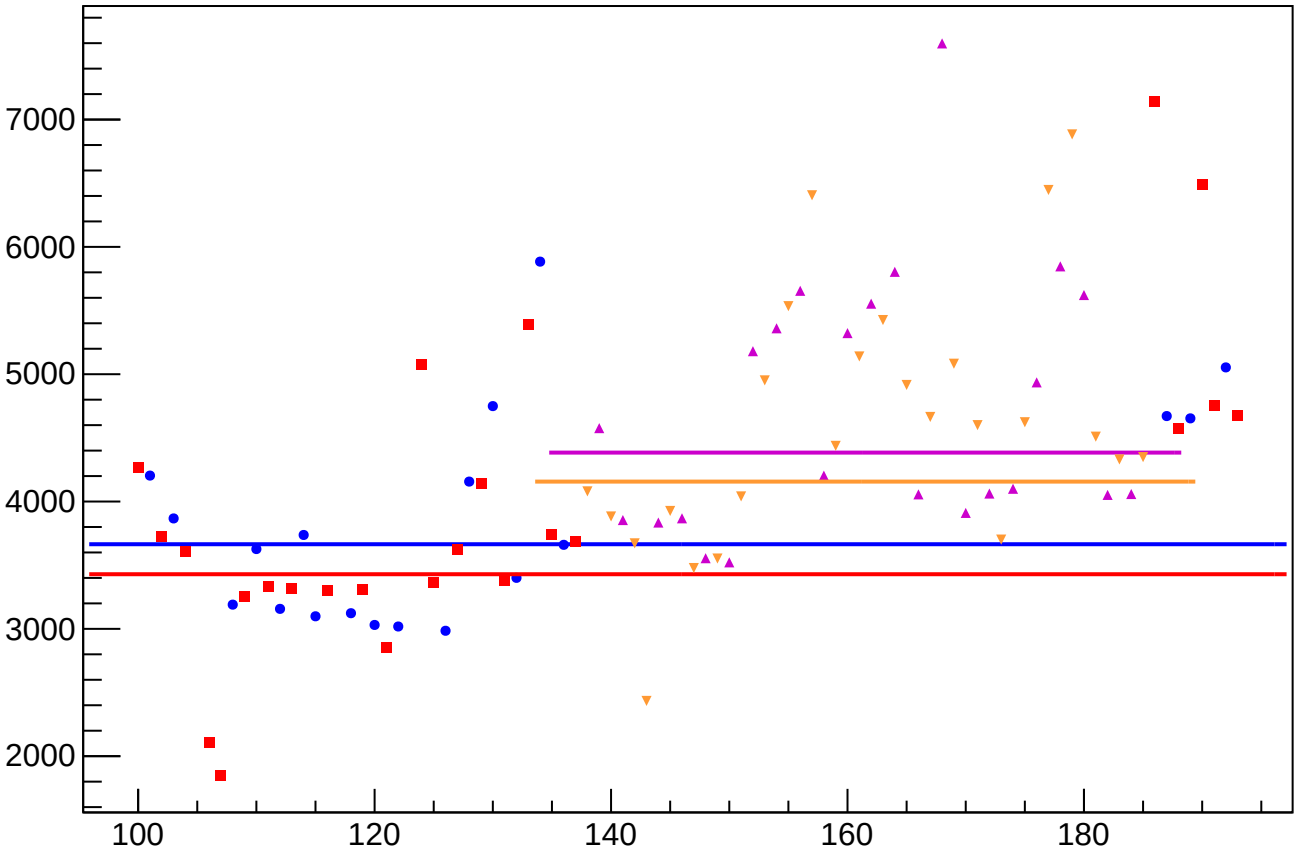
Right Out: -979.017+/-1116.431 χ^2/NDF: 29.0/23

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 62.776+/-770.313 χ^2/NDF: 44.4/43

All: -242.636+/-542.136 χ^2/NDF: 87.8/90

- sign -542.380+/-763.129 χ^2/NDF: 43.1/46



Right In: 3664.676+/-0.885 χ^2/NDF: 611314.1/18

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

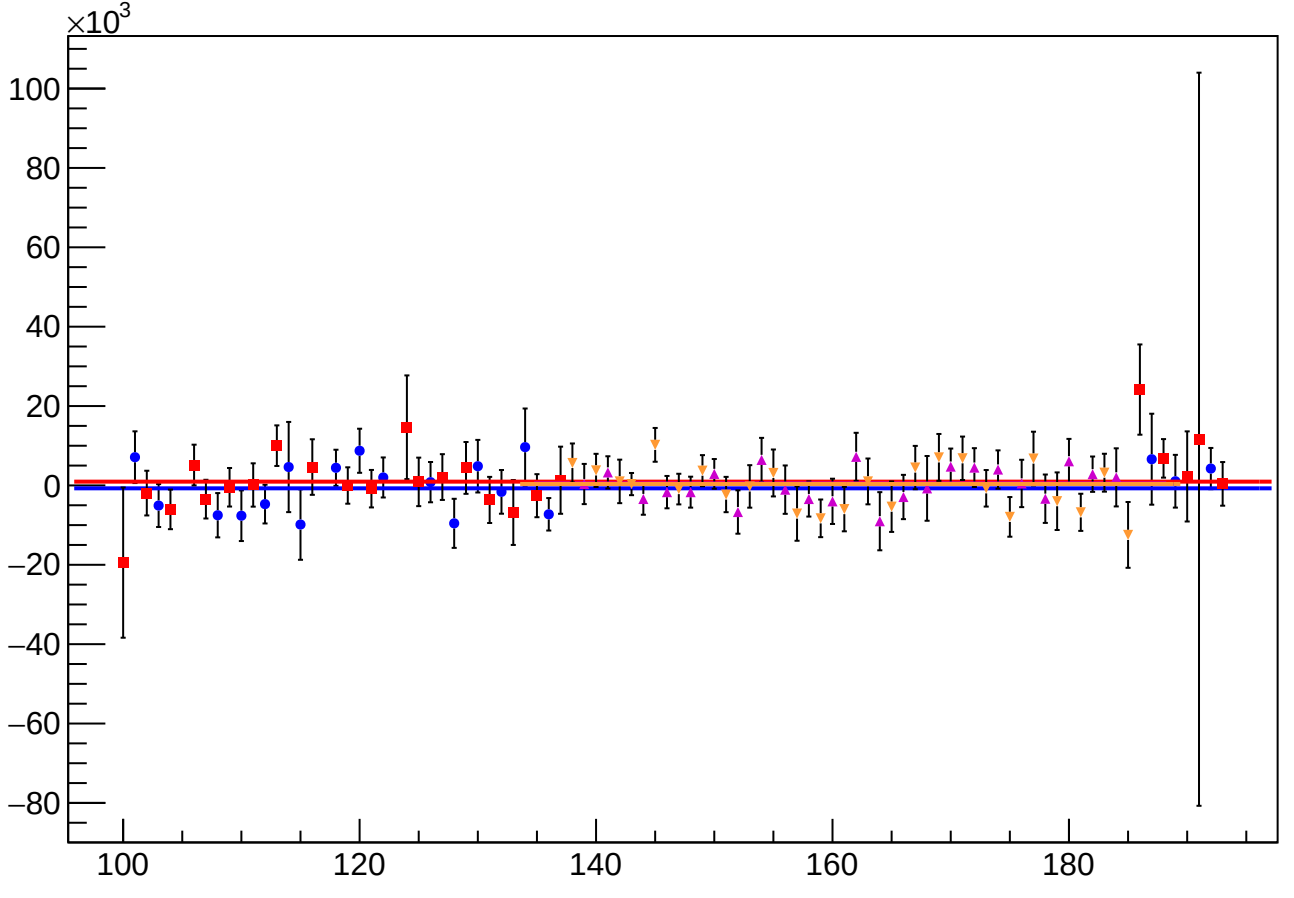
Right Out: 3429.088+/-0.789 χ^2/NDF: 1485311.2/23

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3970.327+/-0.545 χ^2/NDF: 2883969.3/43

All: 3954.017+/-0.383 χ^2/NDF: 6406597.5/90

- sign 3938.011+/-0.540 χ^2/NDF: 3520851.6/46



Right In: -733.309+/-1342.024 χ^2/NDF: 19.1/18

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

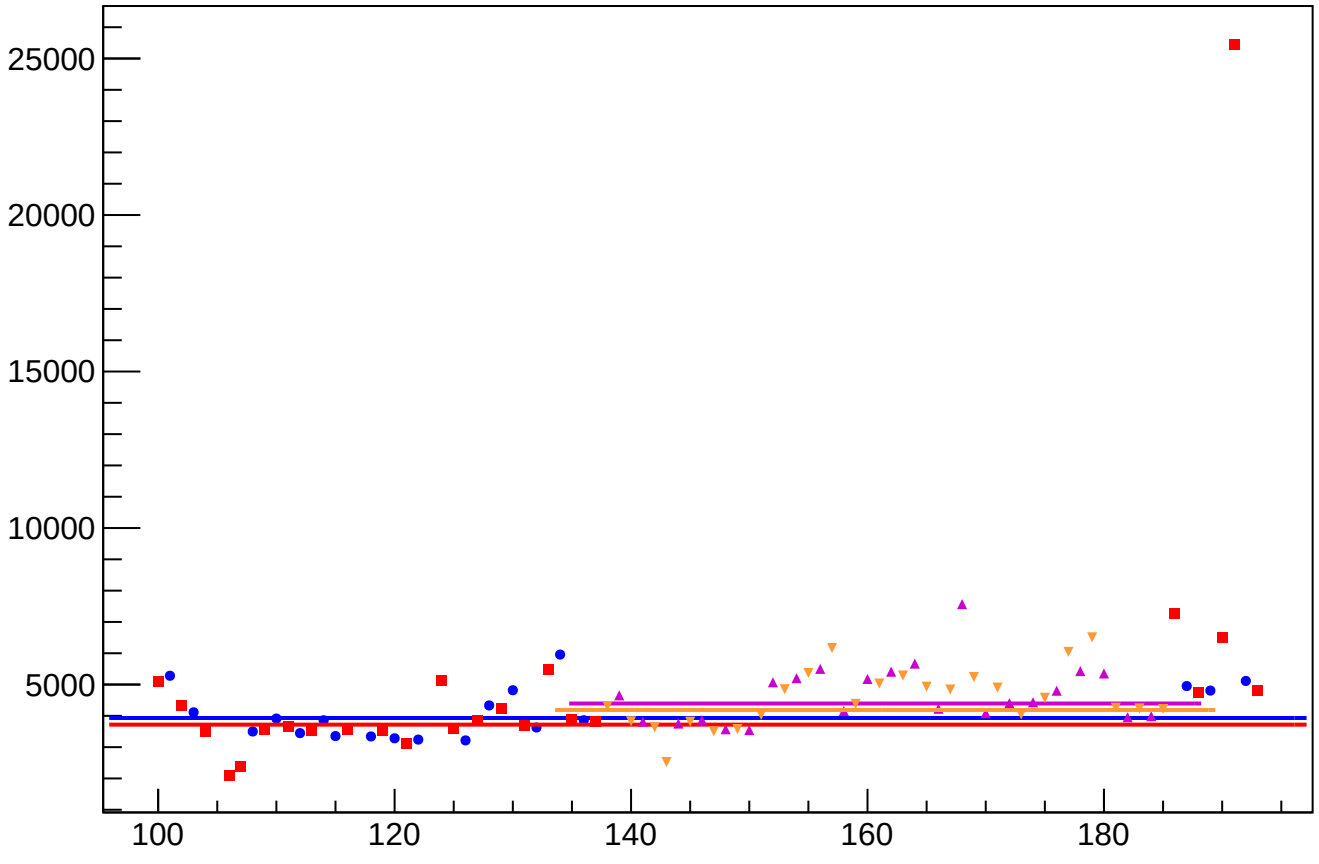
Right Out: 953.045+/-1239.108 χ^2/NDF: 17.6/23

Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -18.523+/-791.369 χ^2/NDF: 47.2/43

All: 330.875+/-562.160 χ^2/NDF: 79.2/90

- sign 686.788+/-798.712 χ^2/NDF: 31.6/46



Right In: 3932.103+/-0.949 χ^2/NDF: 558009.3/18

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

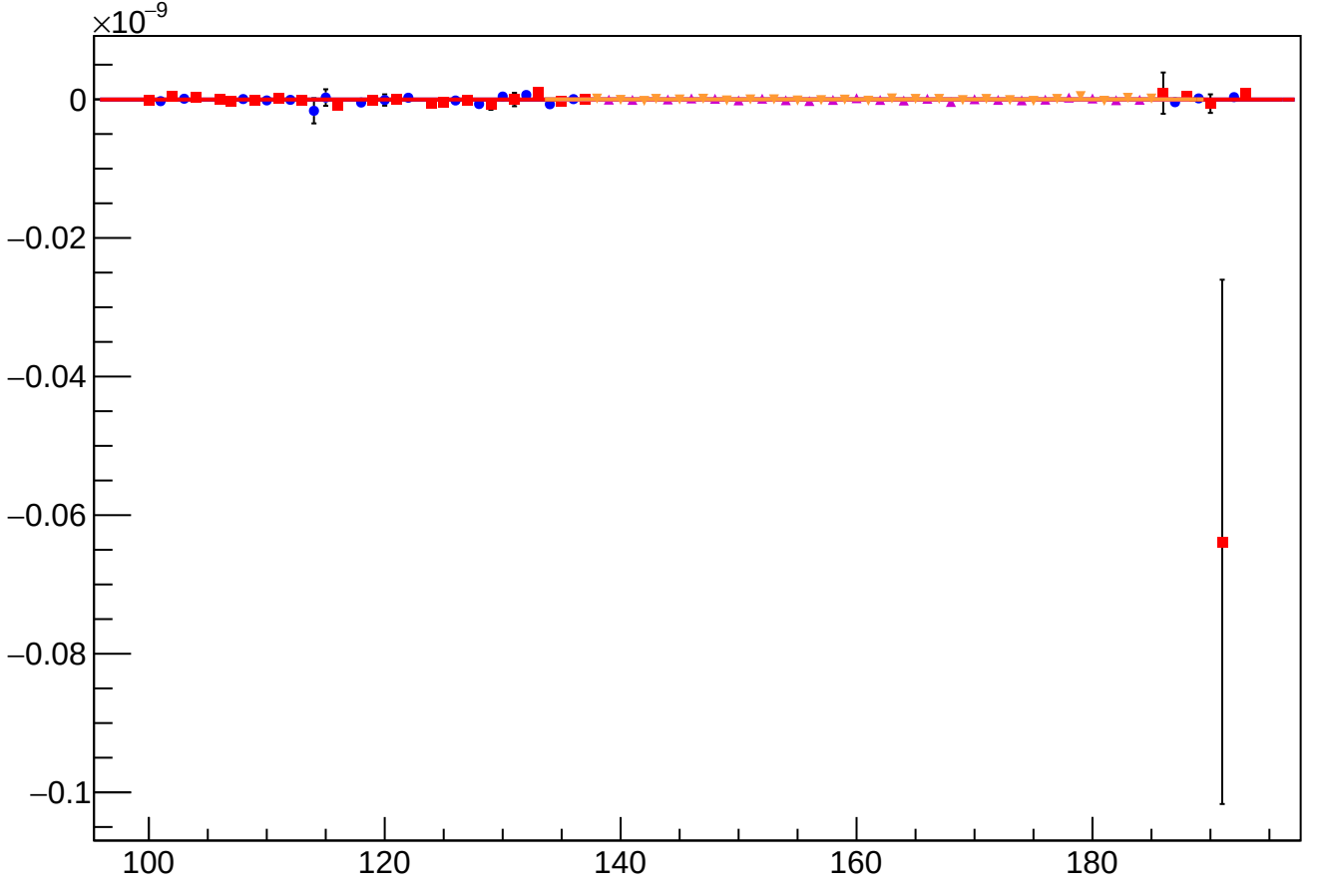
Right Out: 3719.200+/-0.866 χ^2/NDF: 1246466.9/23

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4098.918+/-0.560 χ^2/NDF: 2401731.2/43

All: 4104.400+/-0.397 χ^2/NDF: 5088626.8/90

- sign 4109.929+/-0.562 χ^2/NDF: 2686702.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

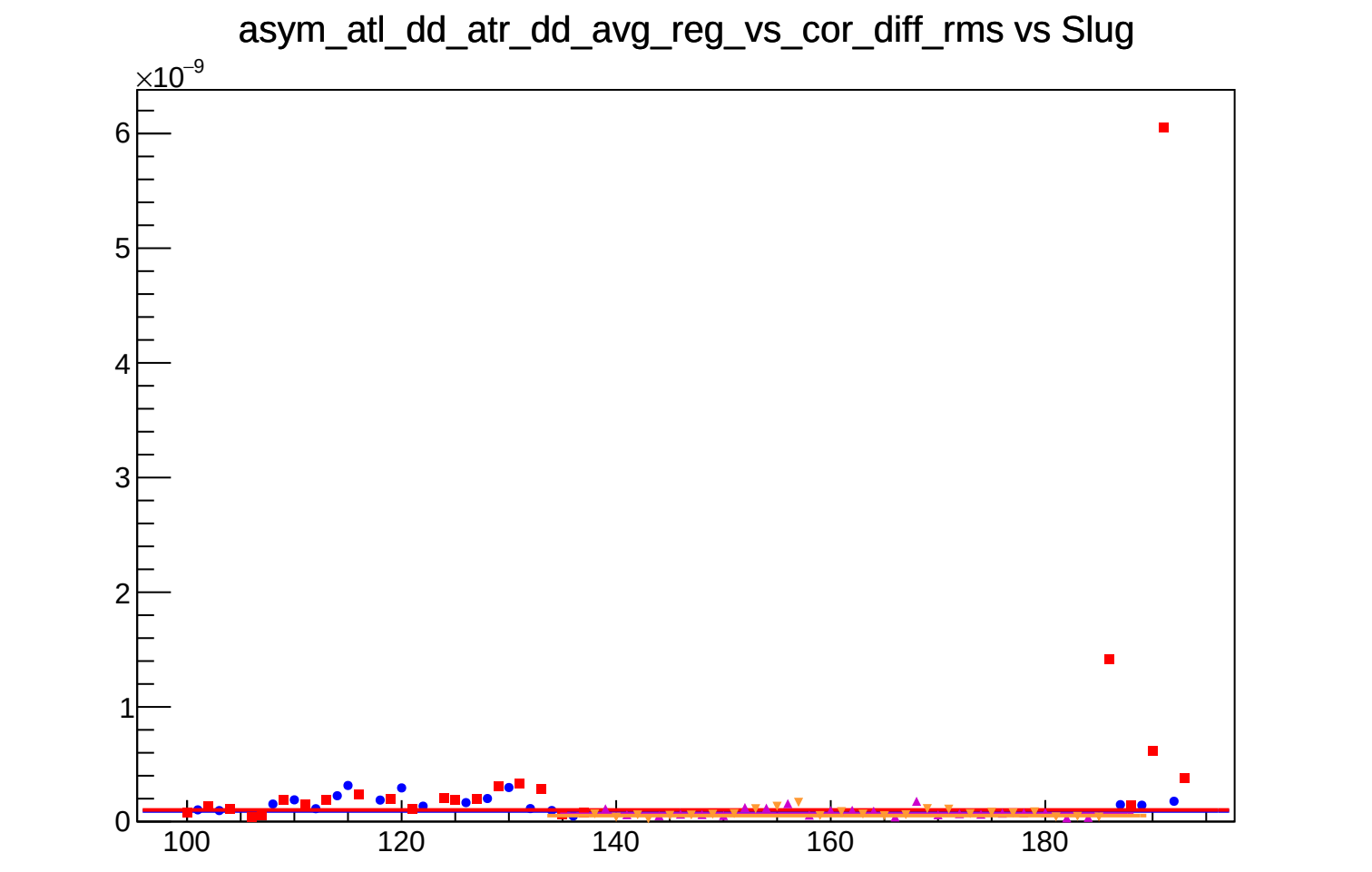
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/23

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: 89.4/90

- sign -0.000+/-0.000 χ^2/NDF: 40.5/46



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: 2930136.9/23

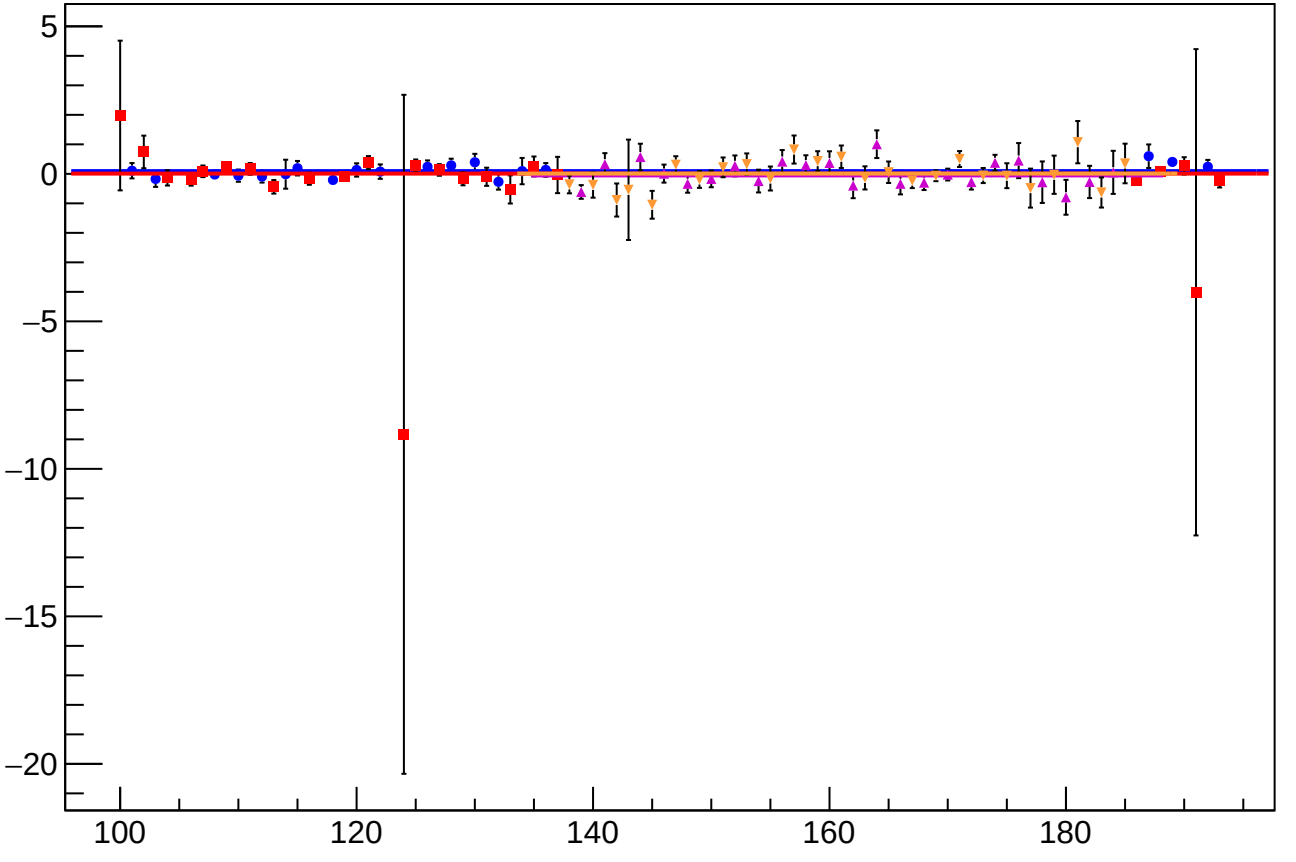
Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5077576.1/43

All: 0.000+/-0.000 χ^2/NDF: 10701470.4/90

- sign 0.000+/-0.000 χ^2/NDF: 5364049.7/46

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

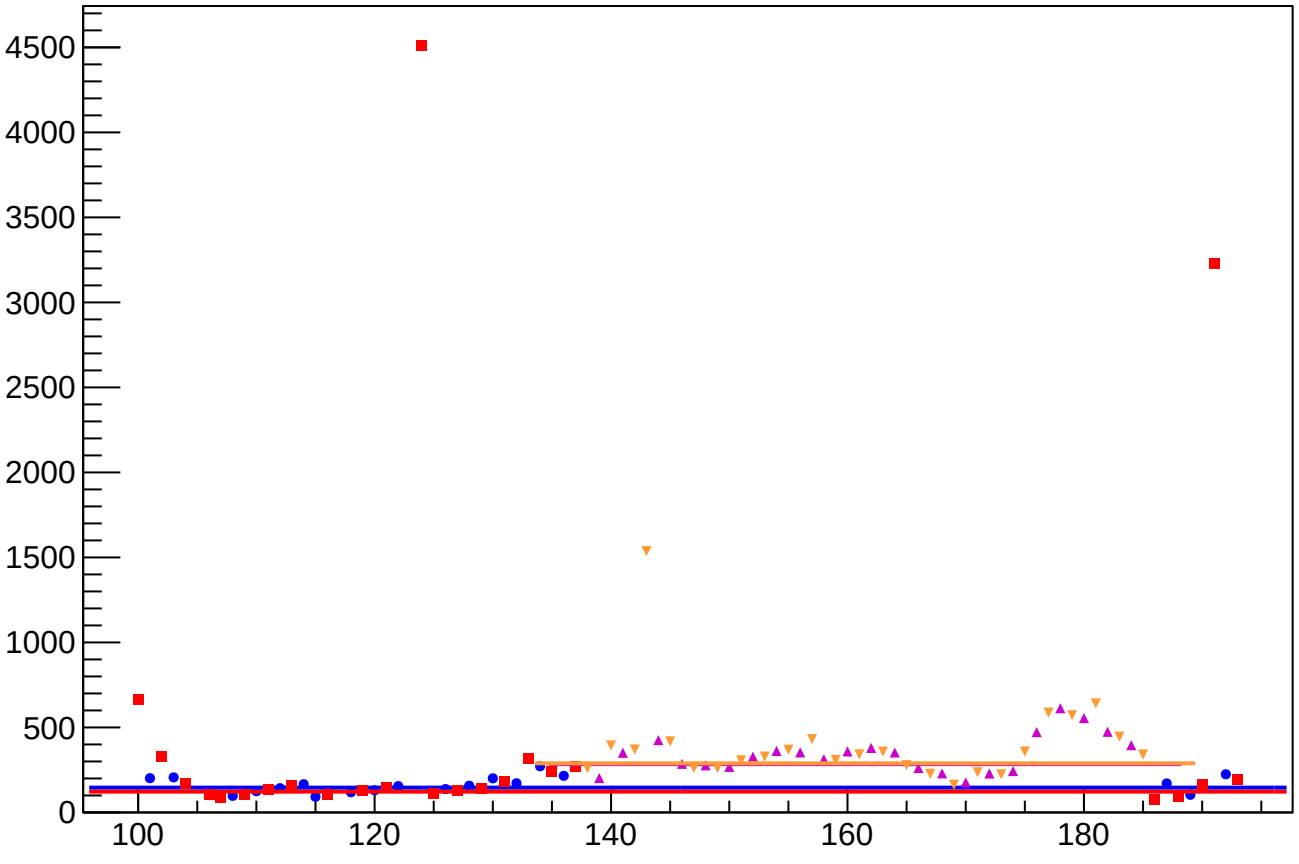
Right Out: 0.009+/-0.043 χ^2/NDF: 27.1/23

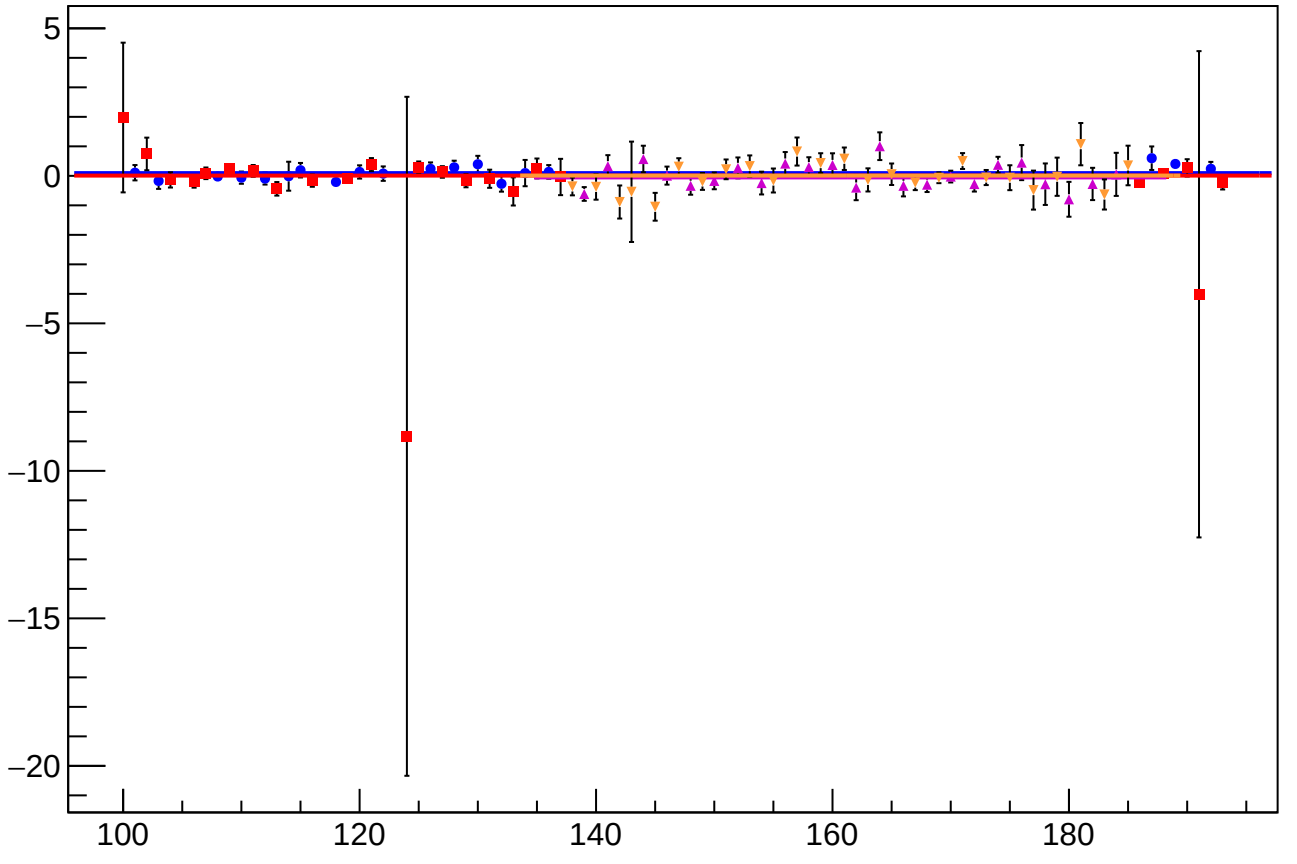
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.023+/-0.028 χ^2/NDF: 103.7/90

- sign -0.008+/-0.037 χ^2/NDF: 55.4/46


asym_atl_dd_atr_dd_avg_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: 122.561+/-0.031 χ²/NDF: 2694127.9/23
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 196.023+/-0.030 χ²/NDF: 11298805.5/43
All: 179.757+/-0.020 χ²/NDF: 25232905.0/90
- sign 167.151+/-0.026 χ²/NDF: 13401881.0/46



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

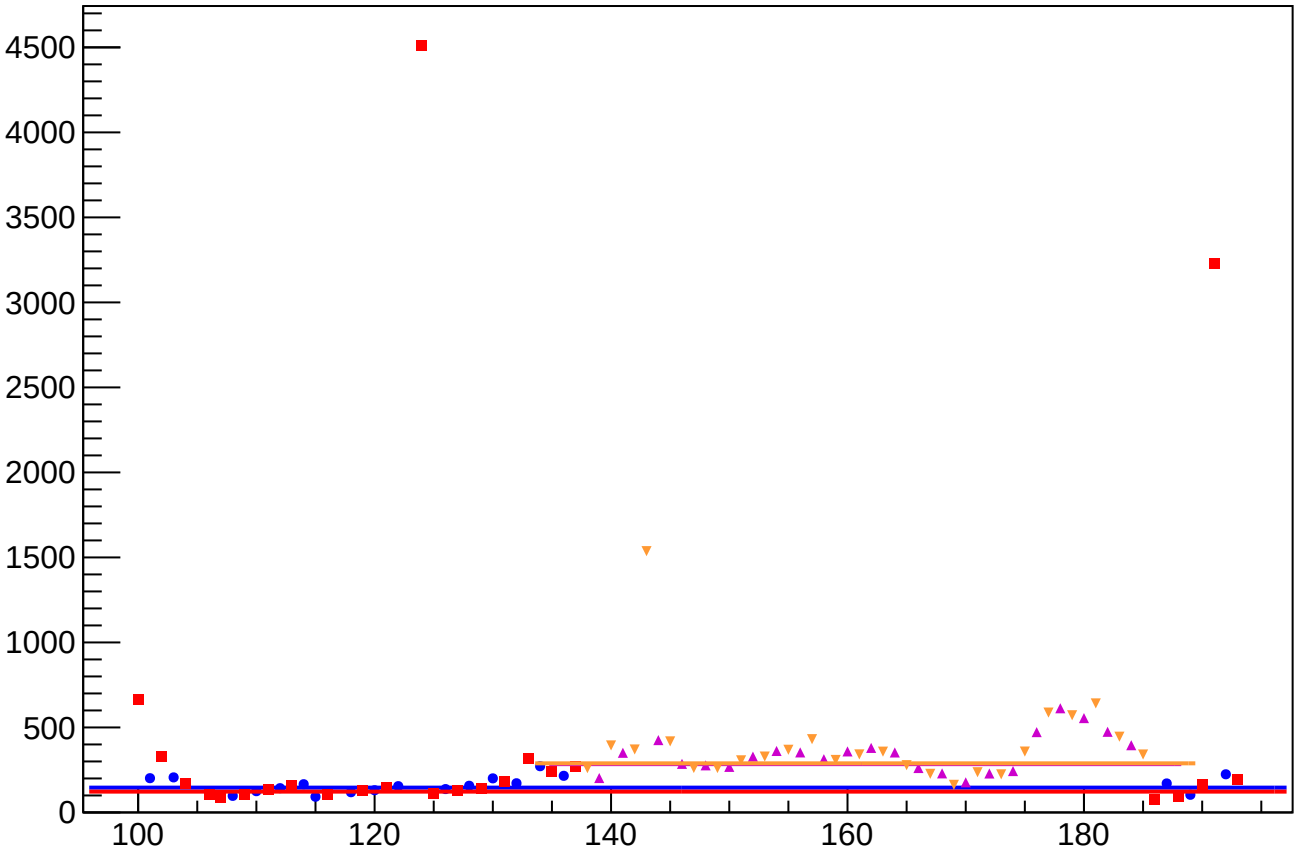
Right Out: 0.009+/-0.043 χ^2/NDF: 27.1/23

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.023+/-0.028 χ^2/NDF: 103.7/90

- sign -0.008+/-0.037 χ^2/NDF: 55.4/46



Right In: 146.020+/-0.037 χ^2/NDF: 1386367.2/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

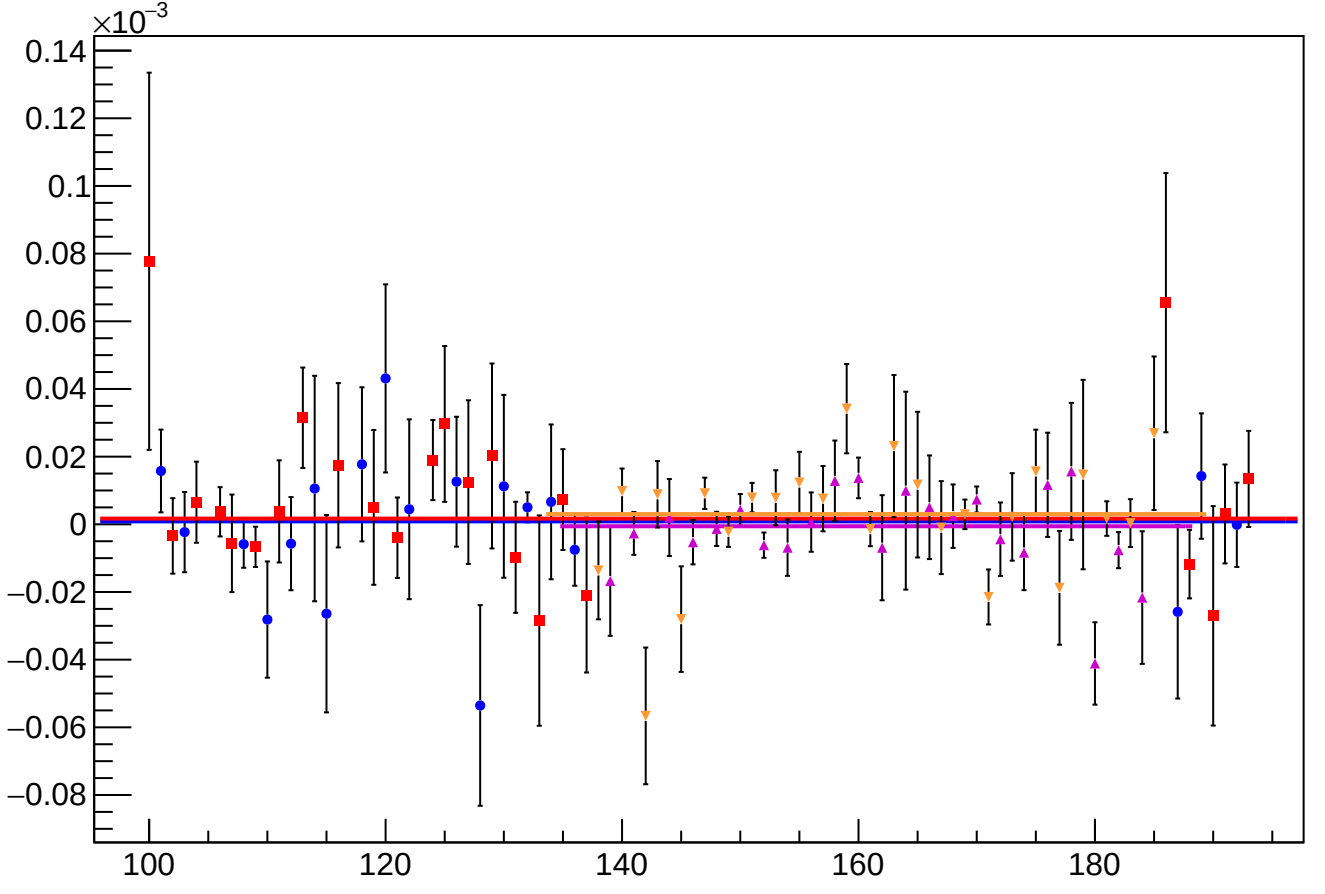
Right Out: 122.561+/-0.031 χ^2/NDF: 2694127.9/23

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.023+/-0.030 χ^2/NDF: 11298805.5/43

All: 179.757+/-0.020 χ^2/NDF: 25232905.0/90

- sign 167.151+/-0.026 χ^2/NDF: 13401881.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

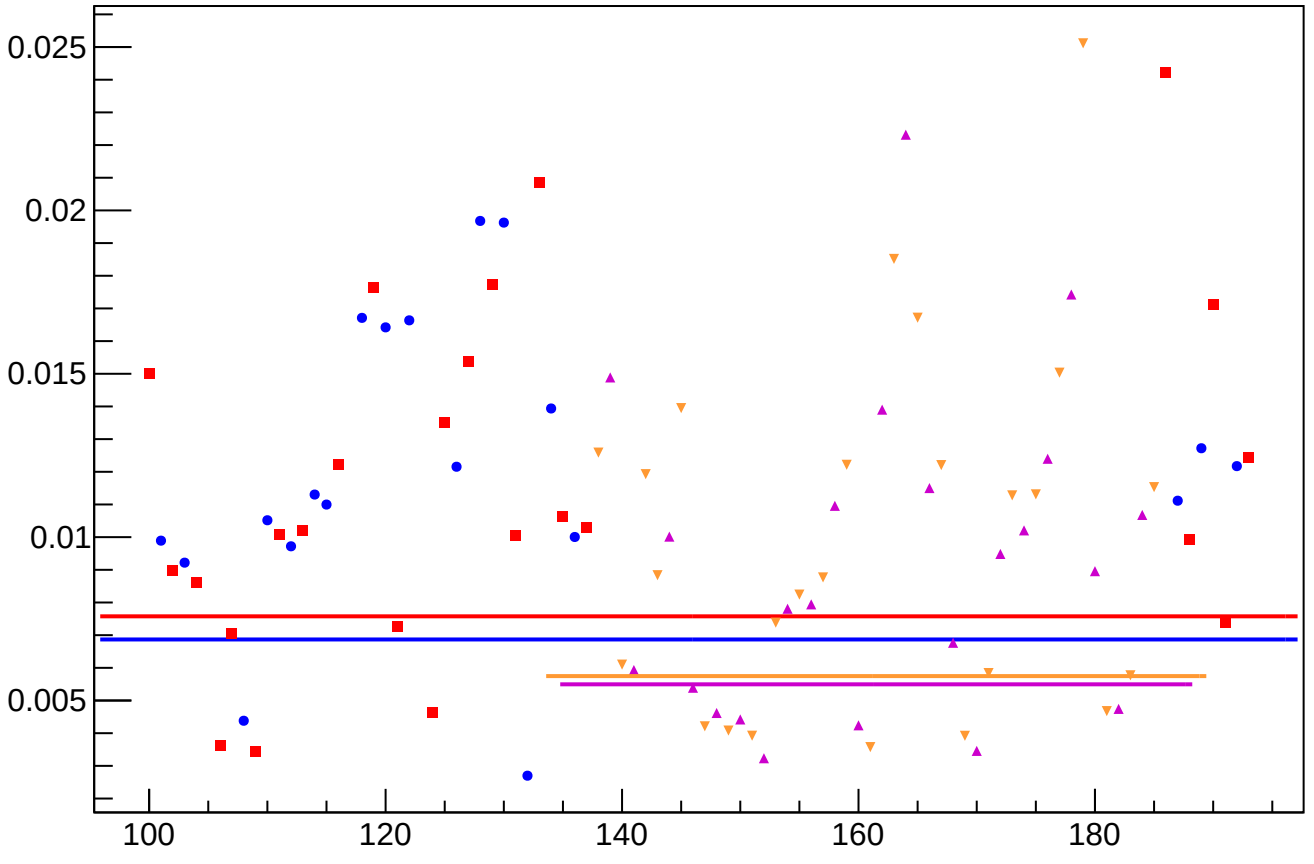
Right Out: 0.000+/-0.000 χ^2/NDF: 22.1/23

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: 116.8/90

- sign -0.000+/-0.000 χ^2/NDF: 55.8/46



Right In: 0.007+/-0.000 χ^2/NDF: 5313715.3/18

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

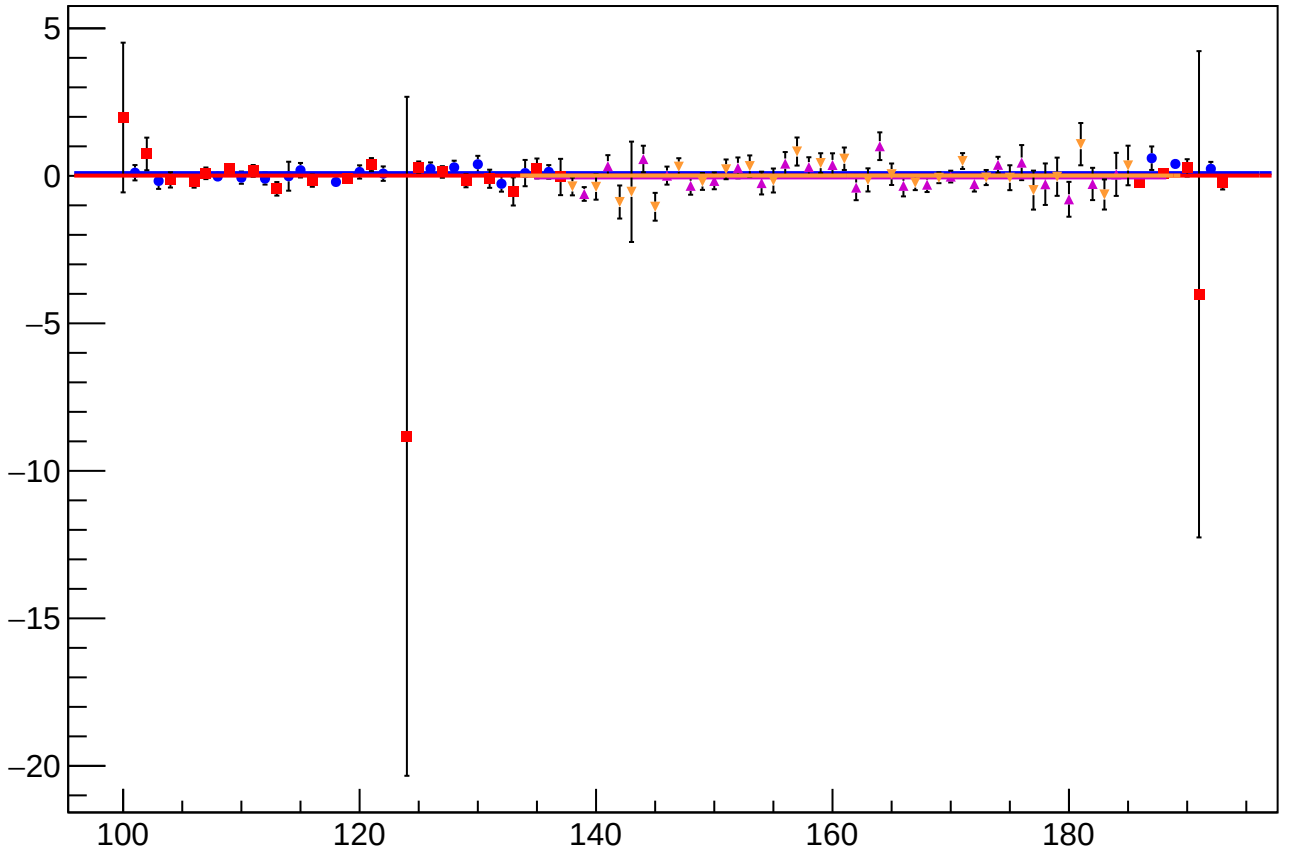
Right Out: 0.008+/-0.000 χ^2/NDF: 4383256.6/23

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: 25883110.9/90

- sign 0.006+/-0.000 χ^2/NDF: 12192925.1/46



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

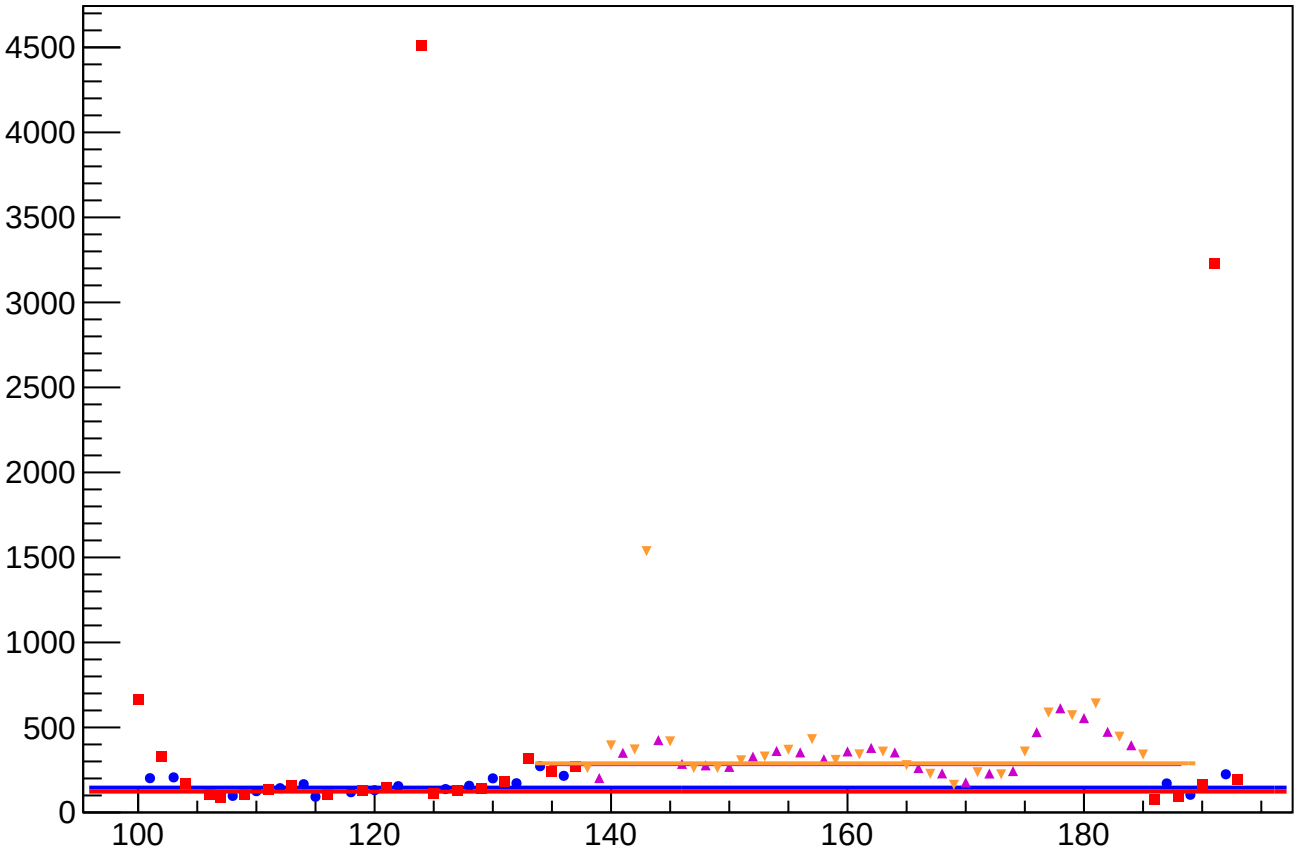
Right Out: 0.009+/-0.043 χ^2/NDF: 27.0/23

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.023+/-0.028 χ^2/NDF: 103.7/90

- sign -0.008+/-0.037 χ^2/NDF: 55.4/46


asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
4500
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2500
2000
1500
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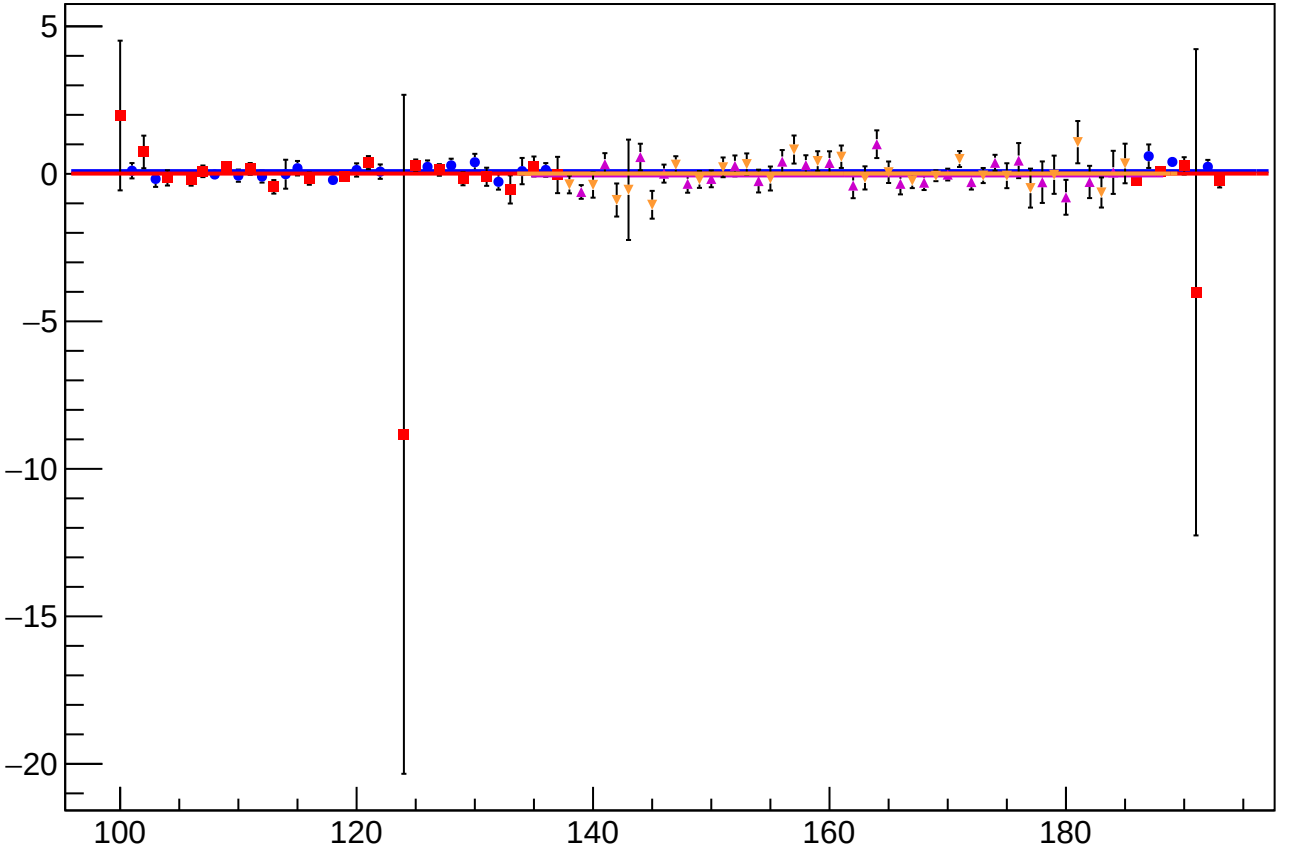
100
120
140
160
180
Right In: 146.020+/-0.037 χ²/NDF: 1386330.7/18
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 122.562+/-0.031 χ²/NDF: 2693971.3/23
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 196.022+/-0.030 χ²/NDF: 11299012.6/43
All: 179.758+/-0.020 χ²/NDF: 25232830.5/90
- sign 167.153+/-0.026 χ²/NDF: 13401698.7/46

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

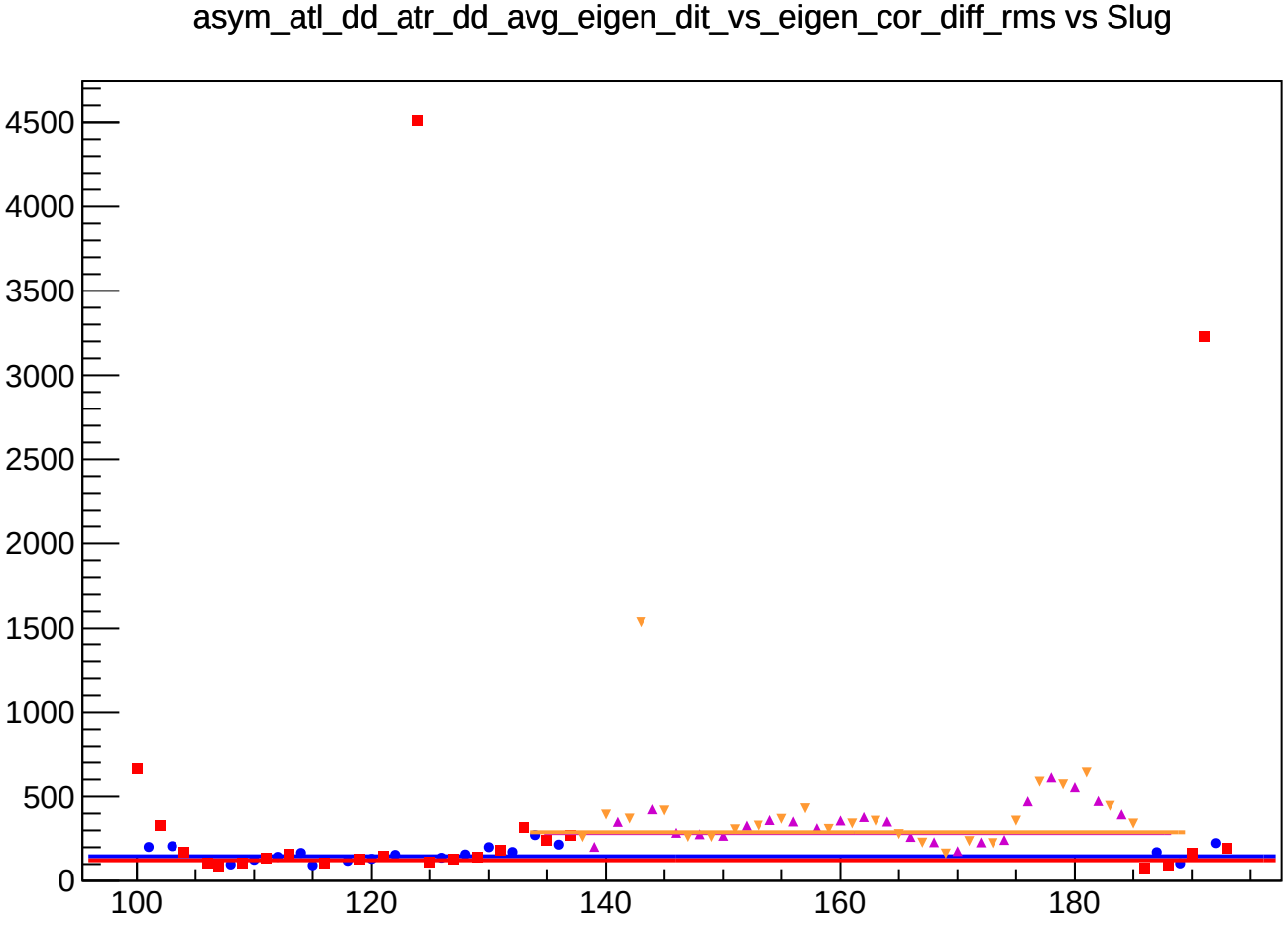
Right Out: 0.009+/-0.043 χ^2/NDF: 27.0/23

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.023+/-0.028 χ^2/NDF: 103.7/90

- sign -0.008+/-0.037 χ^2/NDF: 55.4/46


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
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2500
2000
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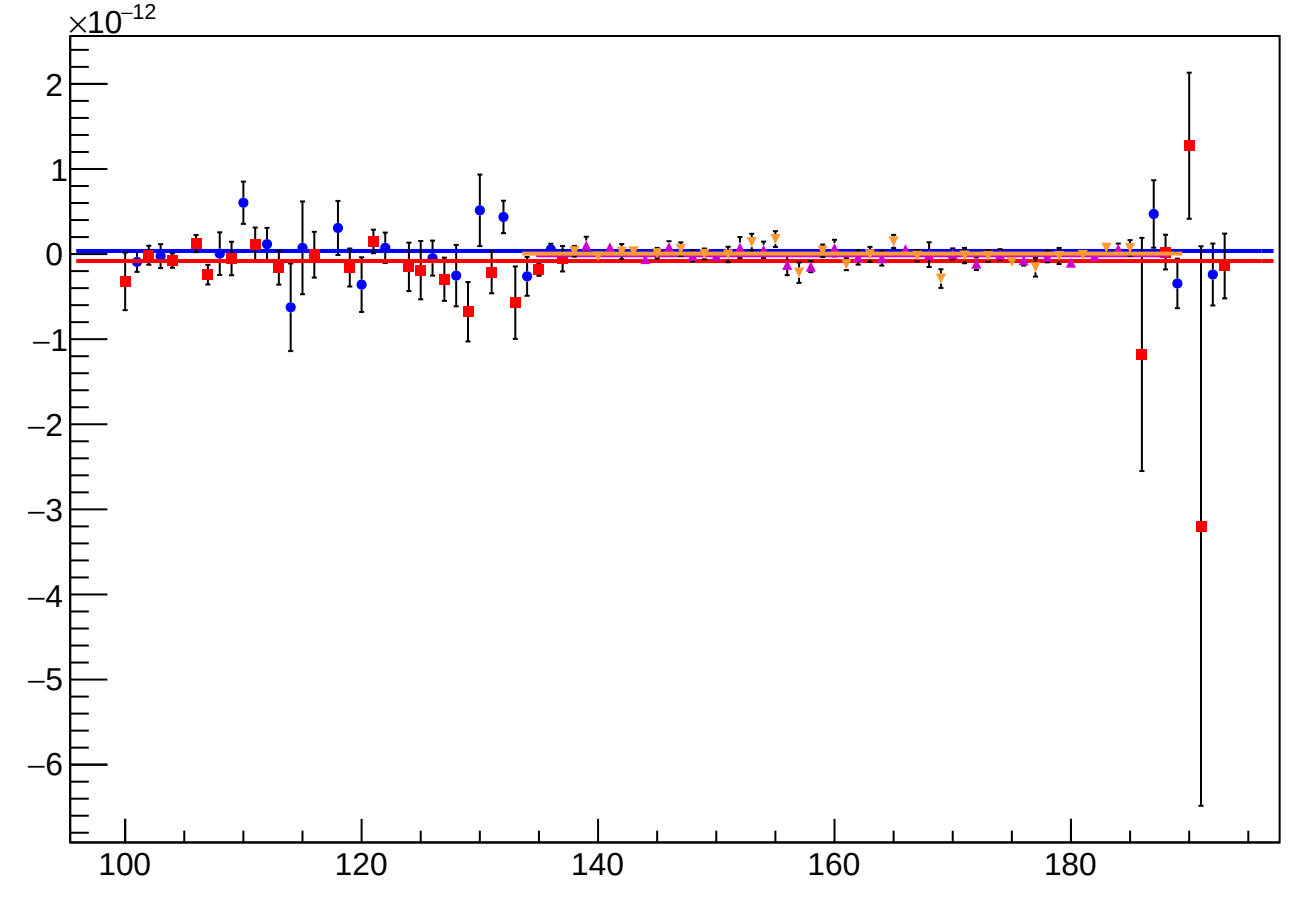
1000
500
0
100
120
140
160
180
Right In: 146.020+/-0.037 χ²/NDF: 1386330.7/18
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 122.562+/-0.031 χ²/NDF: 2693971.3/23
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 196.022+/-0.030 χ²/NDF: 11299012.6/43
All: 179.758+/-0.020 χ²/NDF: 25232830.5/90
- sign 167.153+/-0.026 χ²/NDF: 13401698.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

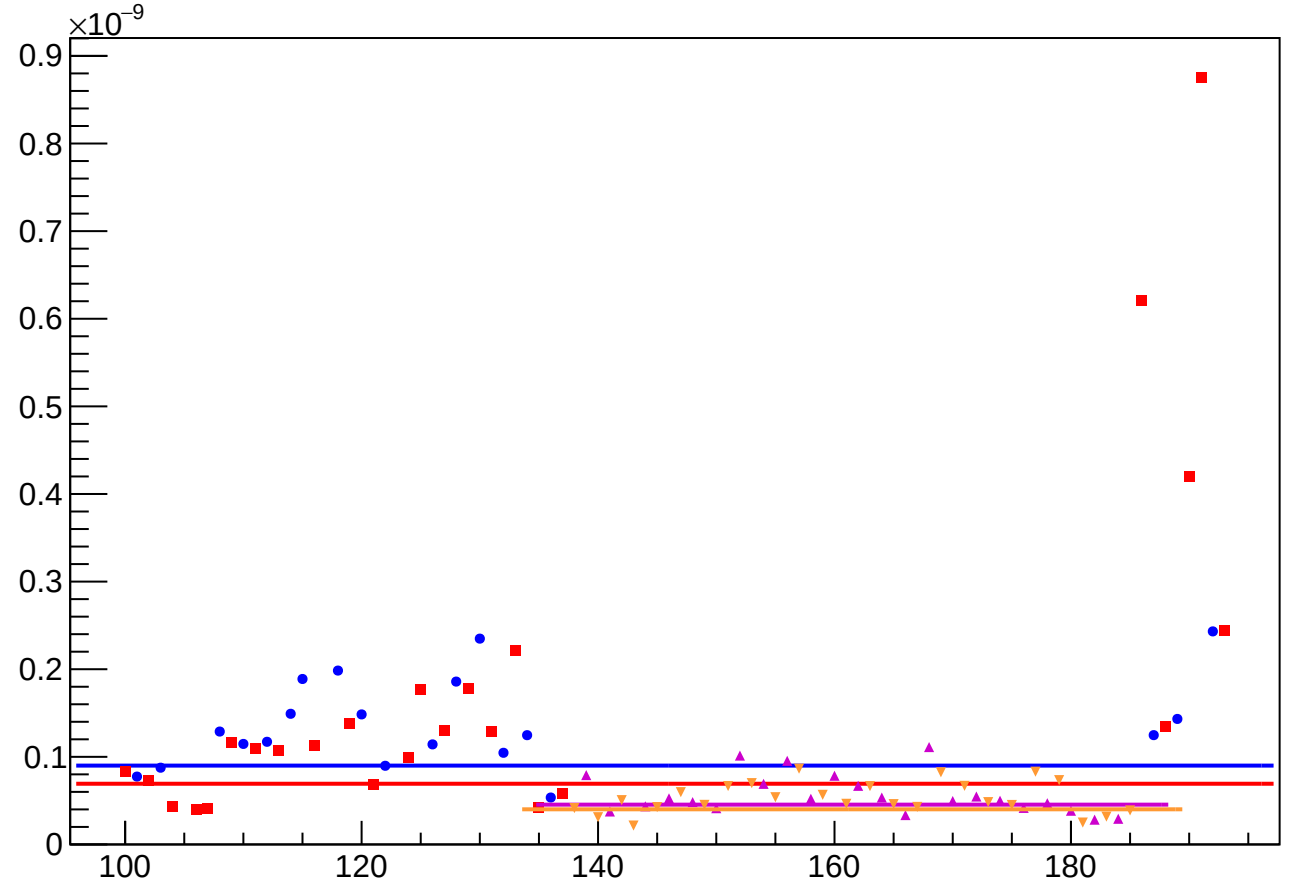
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/23

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: 109.8/90

- sign -0.000+/-0.000 χ^2/NDF: 49.2/46



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: 3592476.4/23

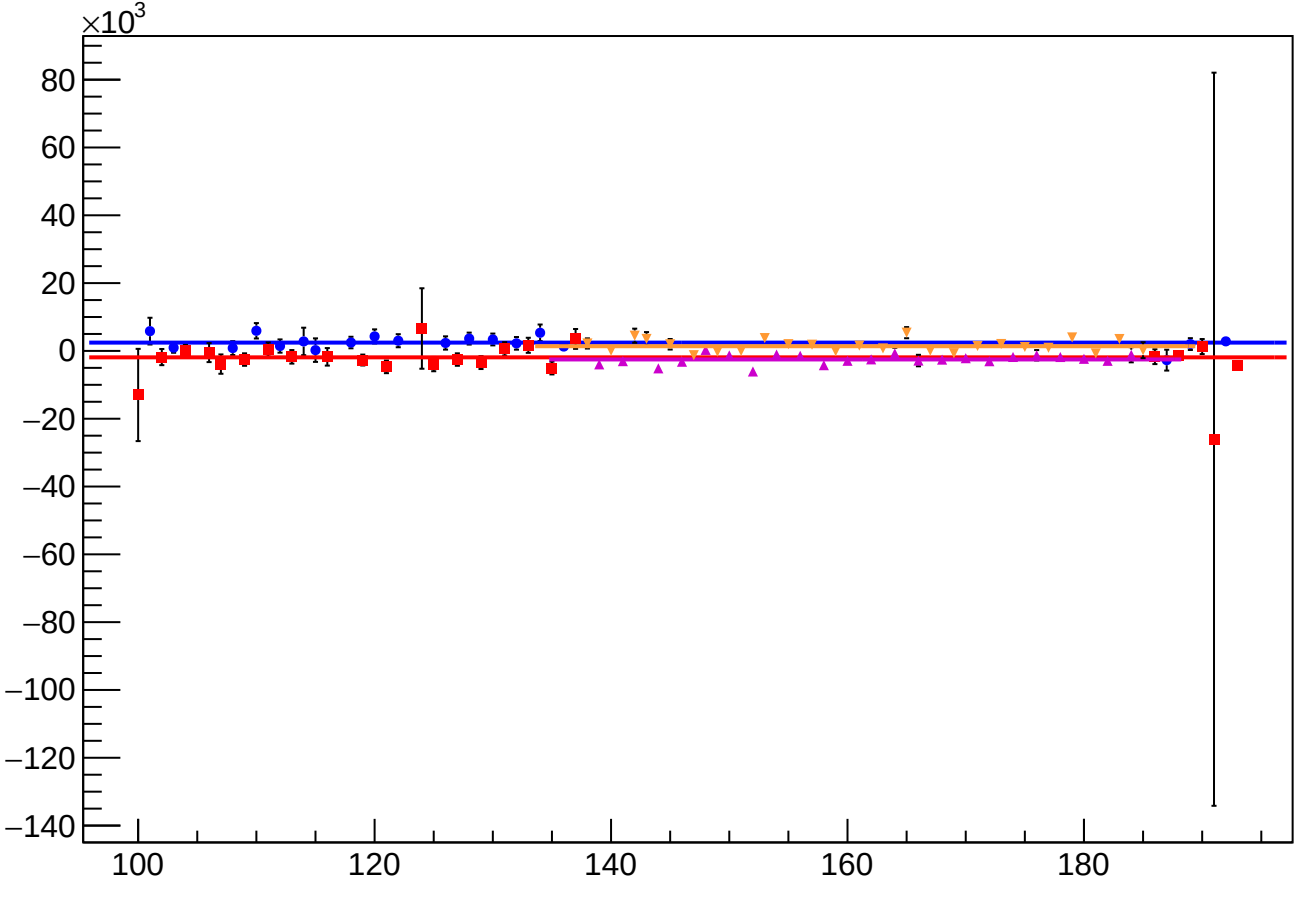
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8254510.5/43

All: 0.000+/-0.000 χ^2/NDF: 15644170.4/90

- sign 0.000+/-0.000 χ^2/NDF: 7239479.9/46

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: -1897.092+/-427.436 χ^2/NDF: 24.3/23

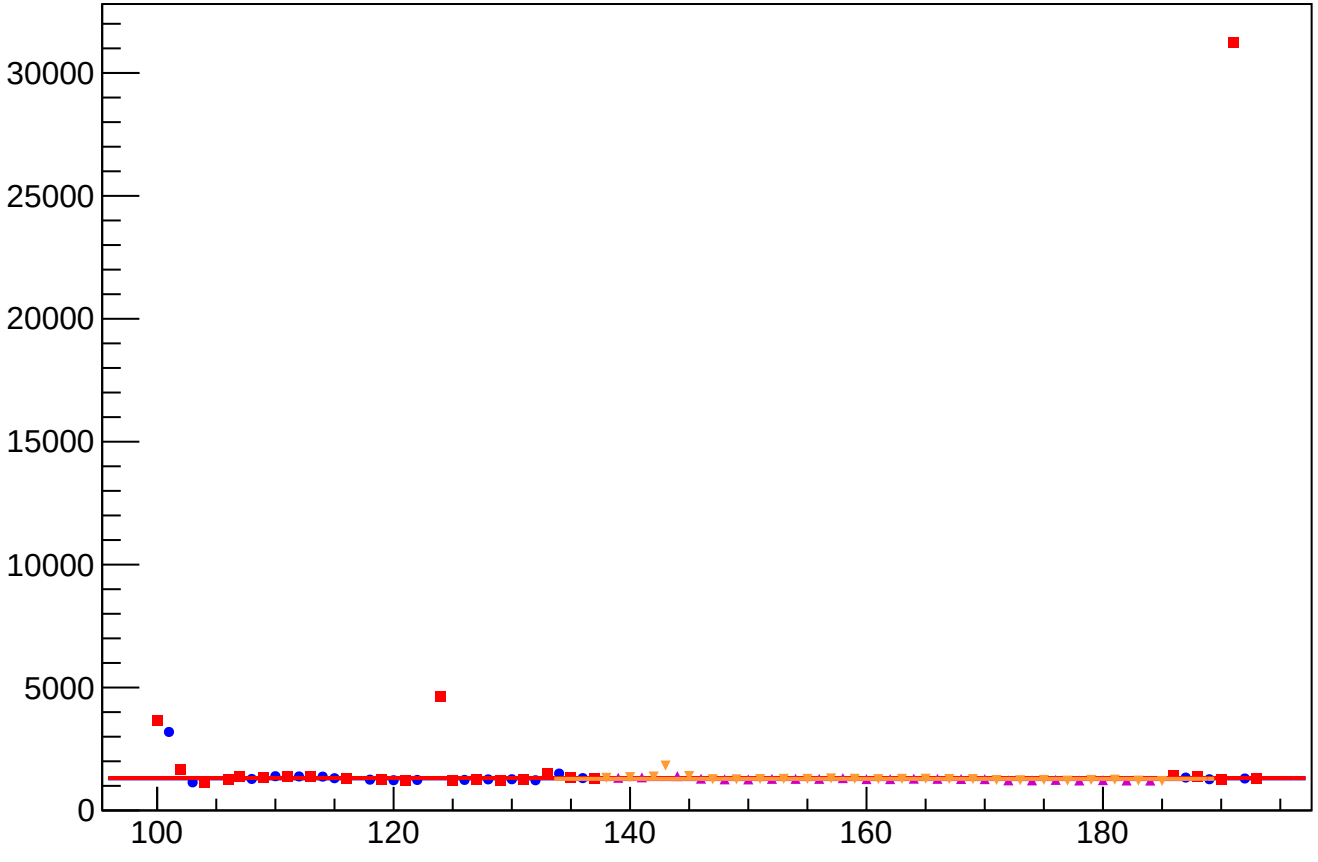
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1707.138+/-244.331 χ^2/NDF: 49.0/43

All: -302.856+/-172.830 χ^2/NDF: 232.6/90

- sign -2315.744+/-244.507 χ^2/NDF: 48.1/46

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

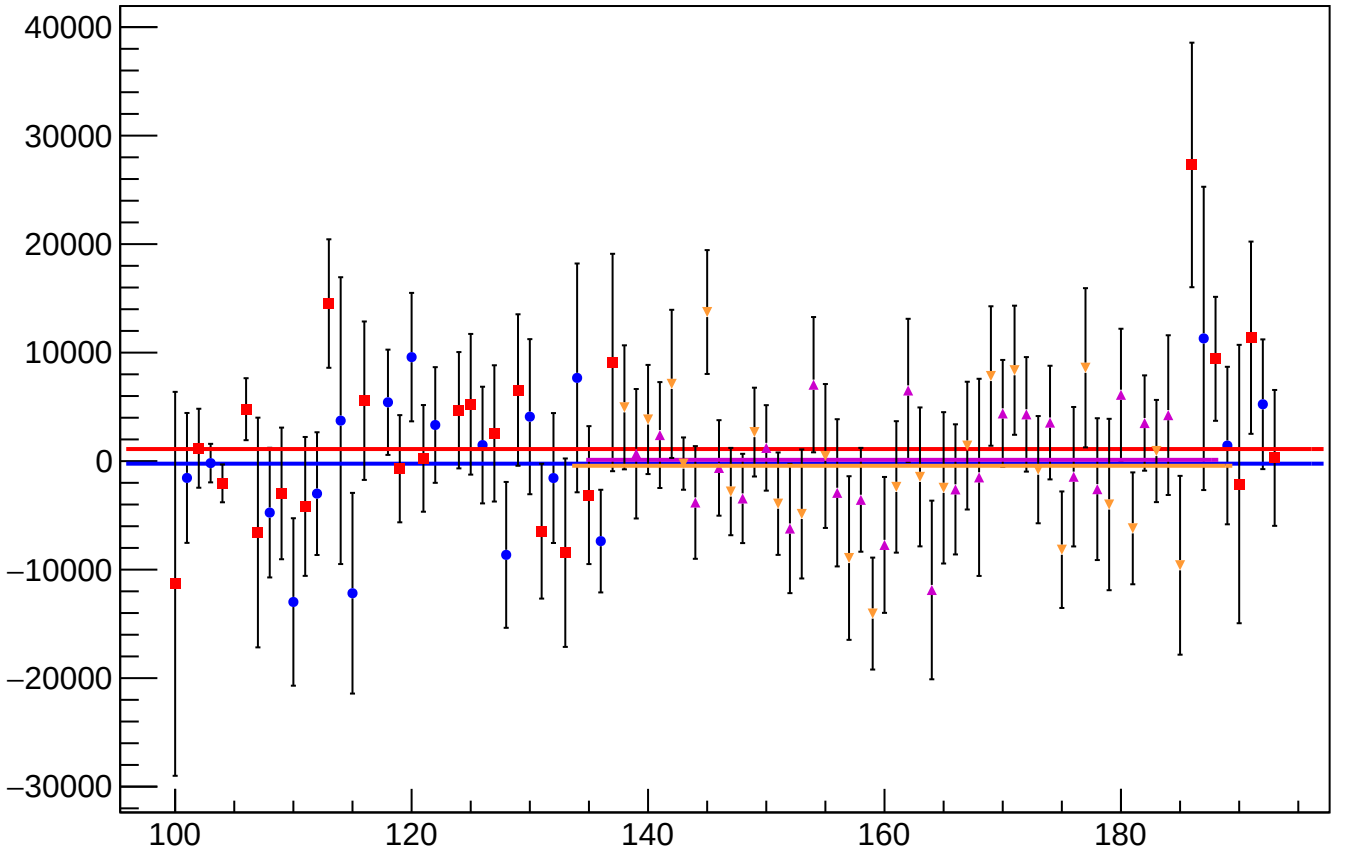
Right Out: 1320.787+/-0.302 χ^2/NDF: 488014.0/23

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.356+/-0.173 χ^2/NDF: 710909.1/43

All: 1291.006+/-0.122 χ^2/NDF: 1255182.7/90

- sign 1290.655+/-0.173 χ^2/NDF: 544265.3/46



Right In: -234.557+/-1150.978 χ^2/NDF: 16.4/18

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

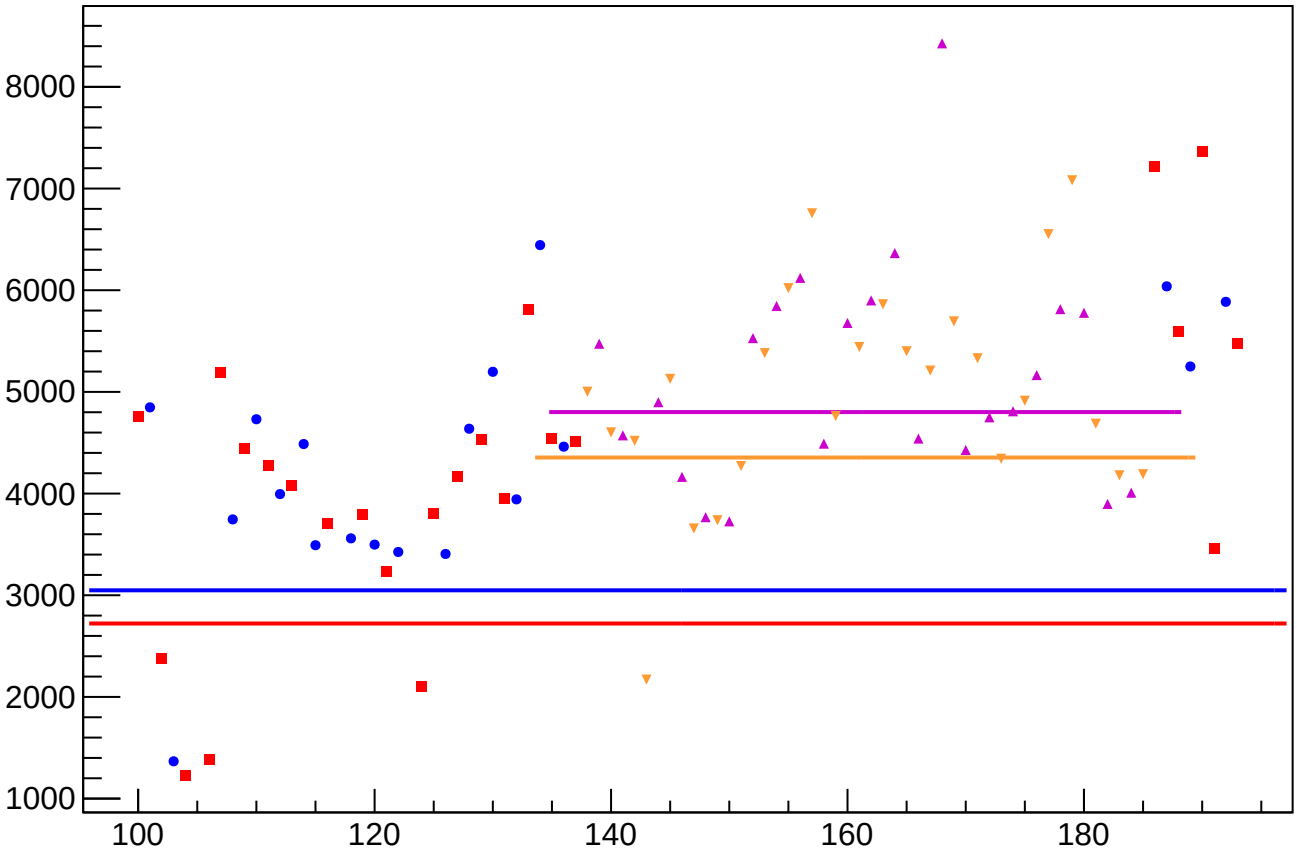
Right Out: 1114.146+/-1009.867 χ^2/NDF: 27.0/23

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -341.525+/-770.849 χ^2/NDF: 46.2/43

All: 177.666+/-540.214 χ^2/NDF: 88.1/90

- sign 678.751+/-757.289 χ^2/NDF: 41.0/46



Right In: 3048.490+/-0.814 χ^2/NDF: 3683782.4/18

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

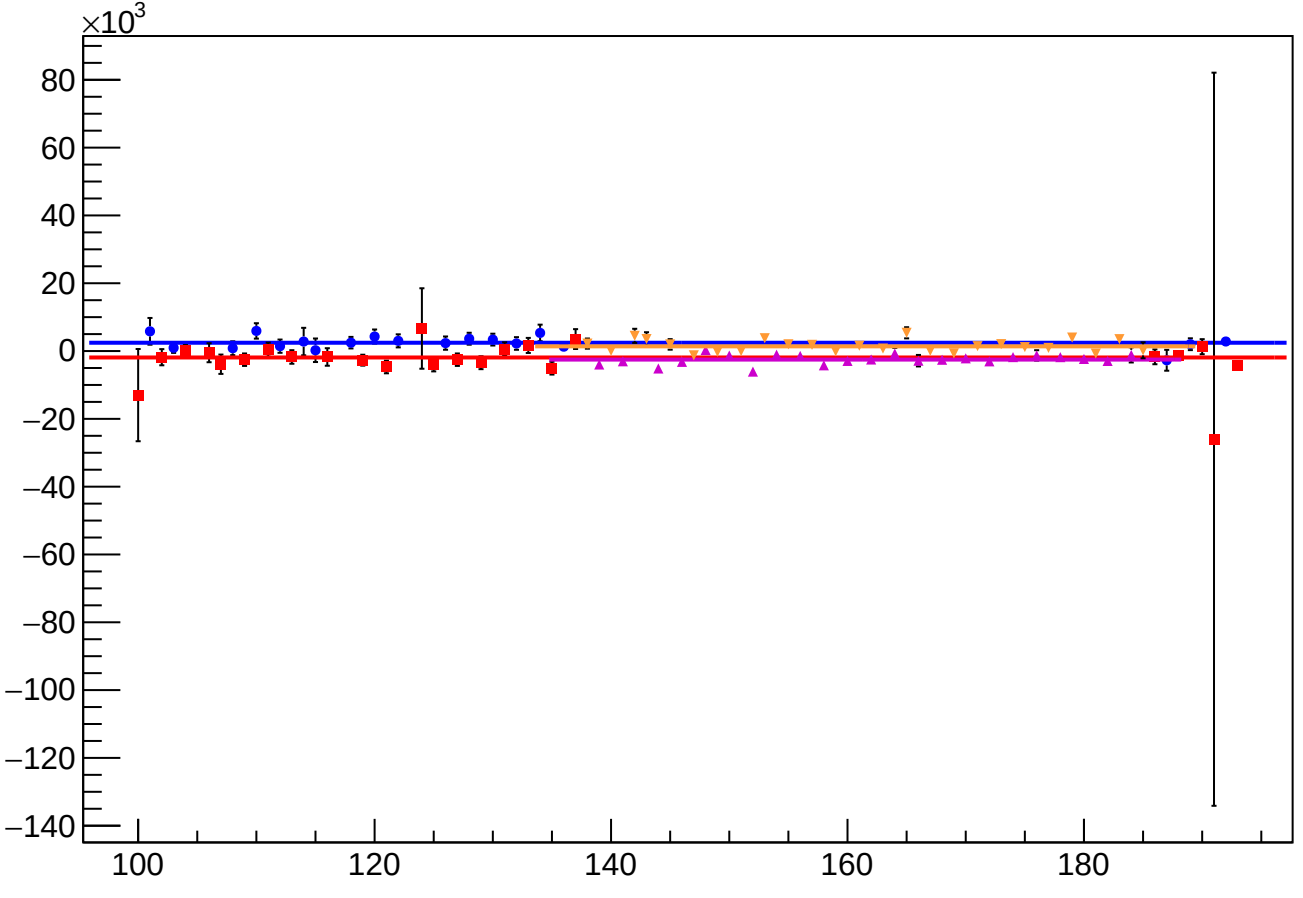
Right Out: 2722.170+/-0.714 χ^2/NDF: 4961177.8/23

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3768.713+/-0.545 χ^2/NDF: 8175315.1/43

All: 3699.273+/-0.382 χ^2/NDF: 18111534.3/9

- sign 3632.254+/-0.535 χ^2/NDF: 9904325.3/46



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: -1896.895+/-427.436 χ^2/NDF: 24.3/23

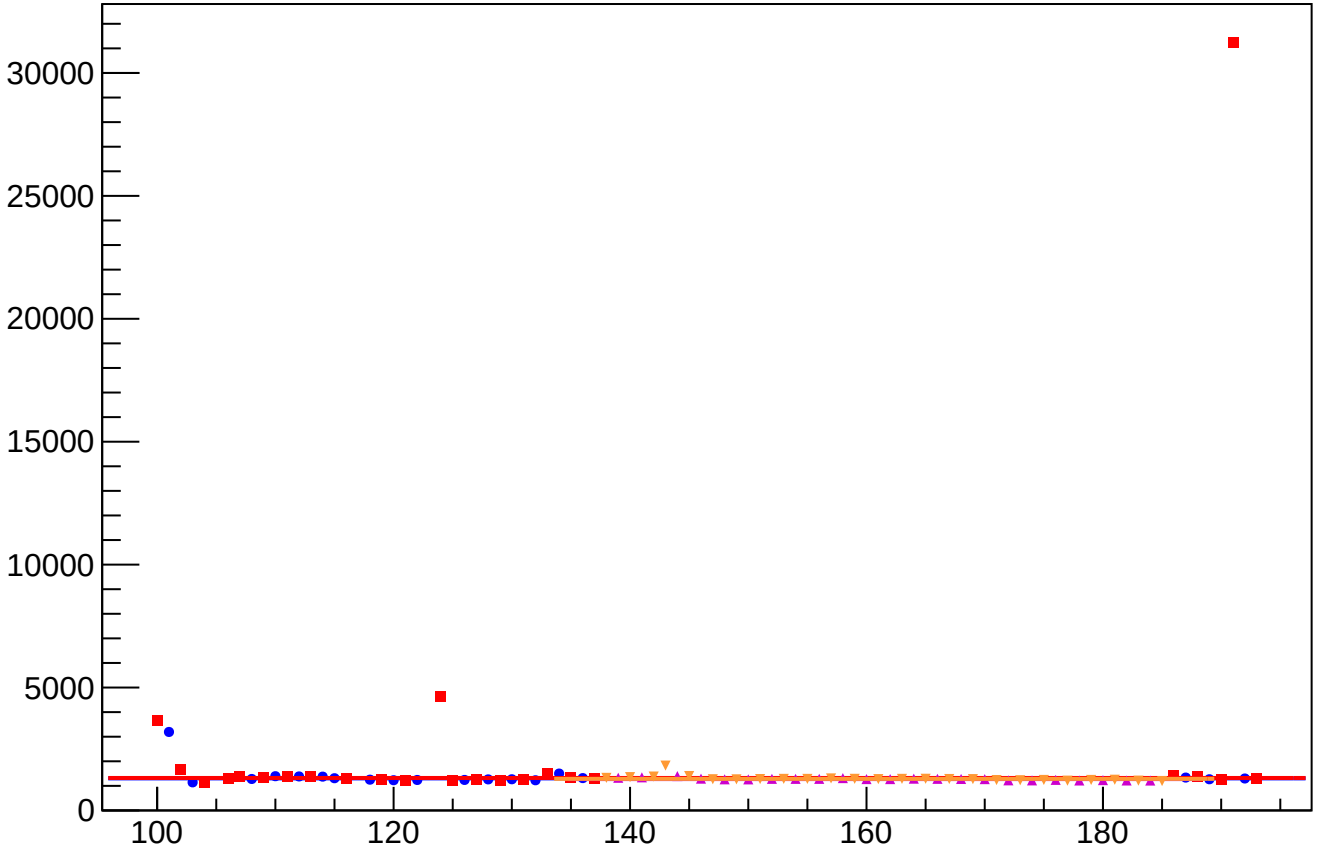
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1707.033+/-244.331 χ^2/NDF: 49.0/43

All: -302.877+/-172.830 χ^2/NDF: 232.6/90

- sign -2315.681+/-244.507 χ^2/NDF: 48.2/46

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

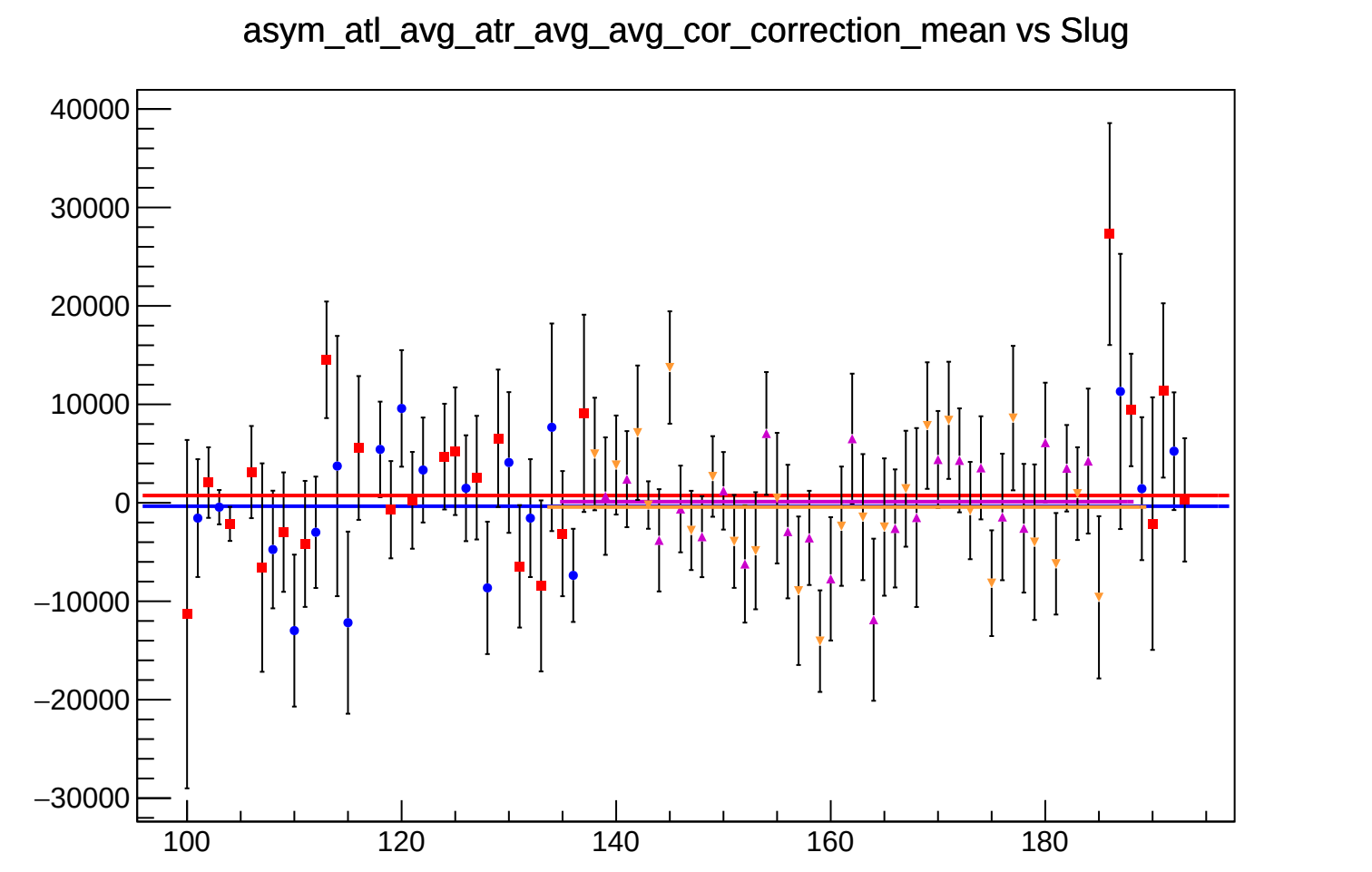
Right Out: 1321.637+/-0.302 χ^2/NDF: 487434.3/23

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+/-0.122 χ^2/NDF: 1255155.0/90

- sign 1290.922+/-0.173 χ^2/NDF: 544241.3/46



Right In: -345.941+/-1141.601 χ^2/NDF: 16.4/18

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

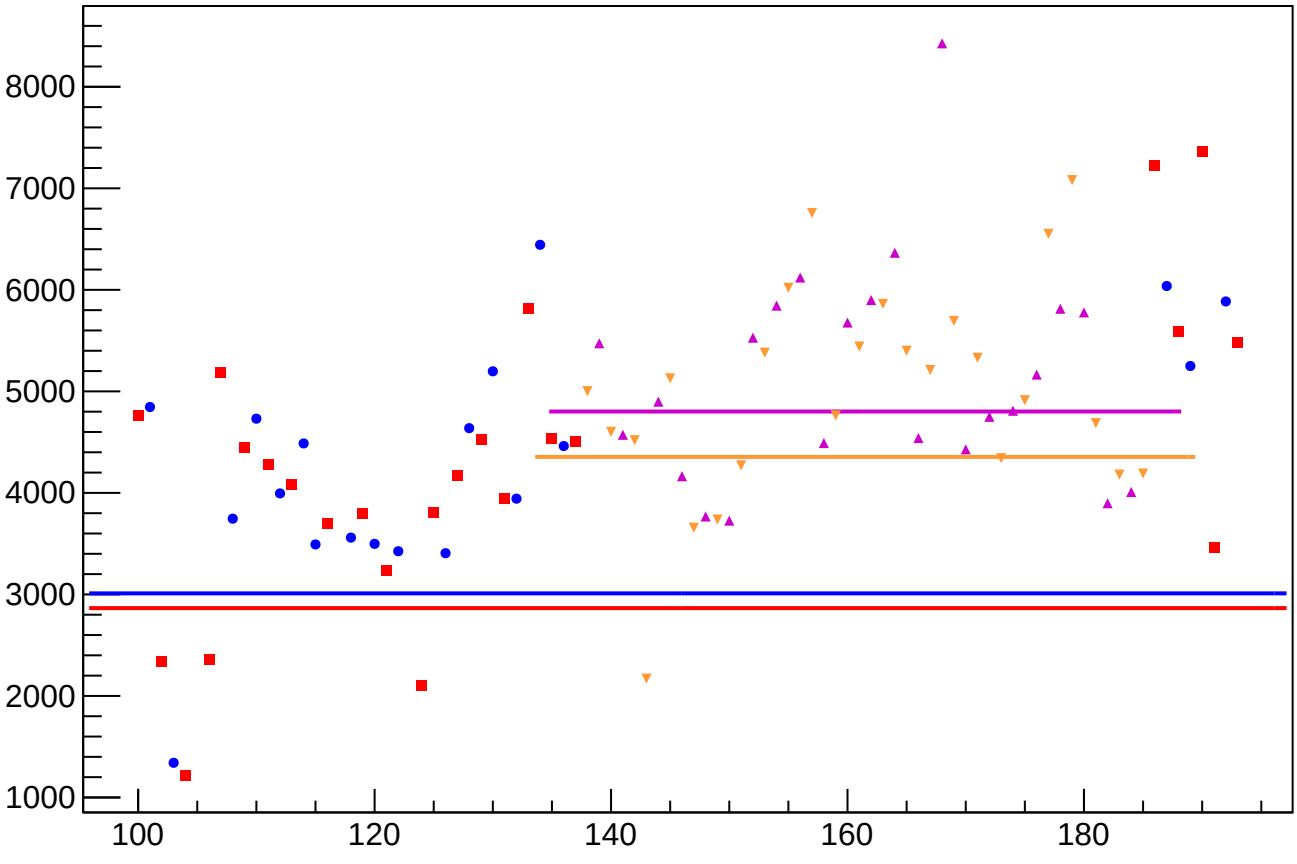
Right Out: 739.248+/-1047.130 χ^2/NDF: 25.7/23

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -391.148+/-768.012 χ^2/NDF: 46.2/43

All: 30.295+/-544.691 χ^2/NDF: 86.3/90

- sign 456.818+/-772.627 χ^2/NDF: 39.5/46



Right In: 3010.369+/-0.807 χ^2/NDF: 3808094.0/18

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

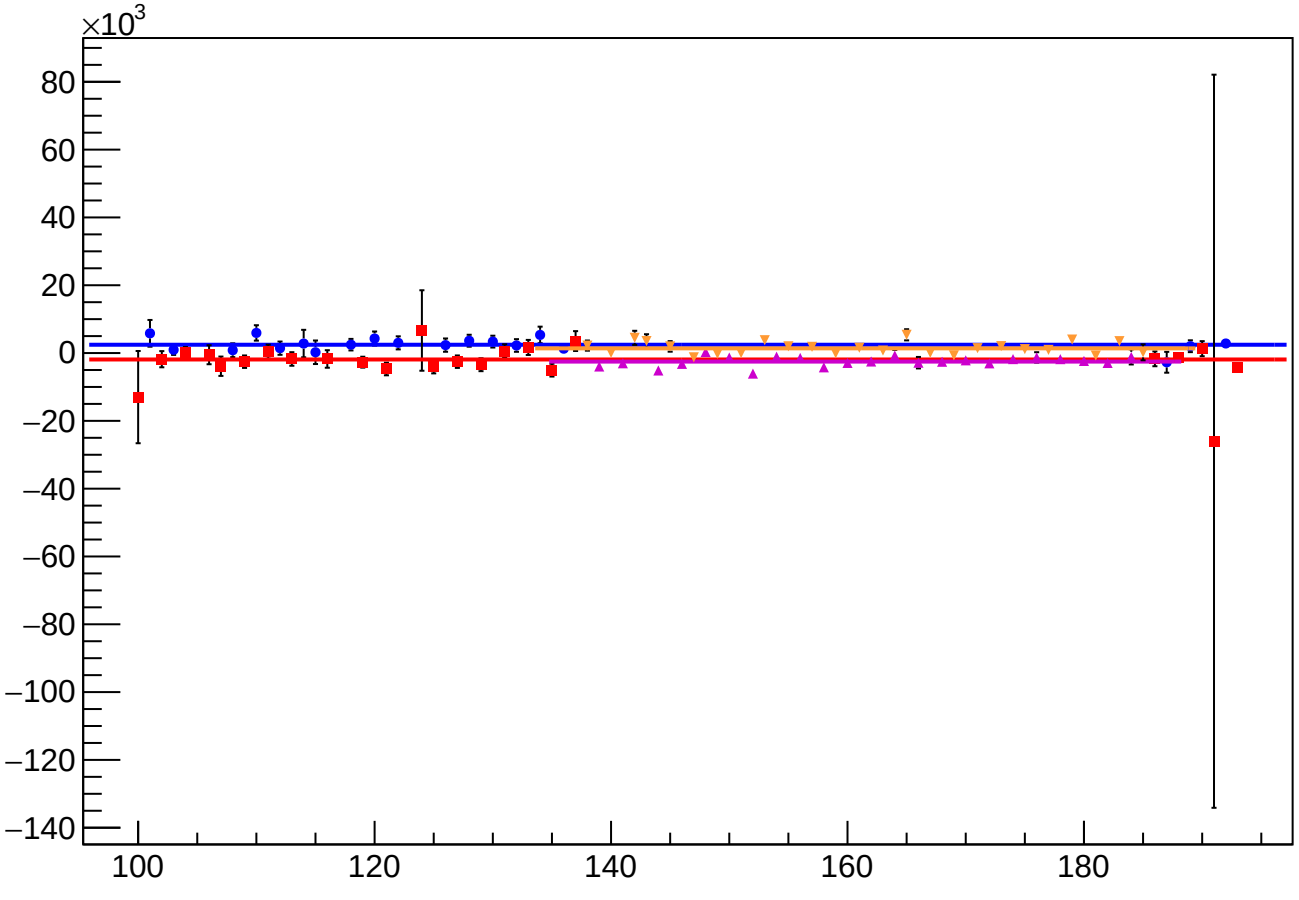
Right Out: 2865.083+/-0.740 χ^2/NDF: 4554054.1/23

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3746.163+/-0.543 χ^2/NDF: 8397380.2/43

All: 3746.727+/-0.385 χ^2/NDF: 17299480.0/9

- sign 3747.297+/-0.546 χ^2/NDF: 8902097.7/46



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: -1896.895+/-427.436 χ^2/NDF: 24.3/23

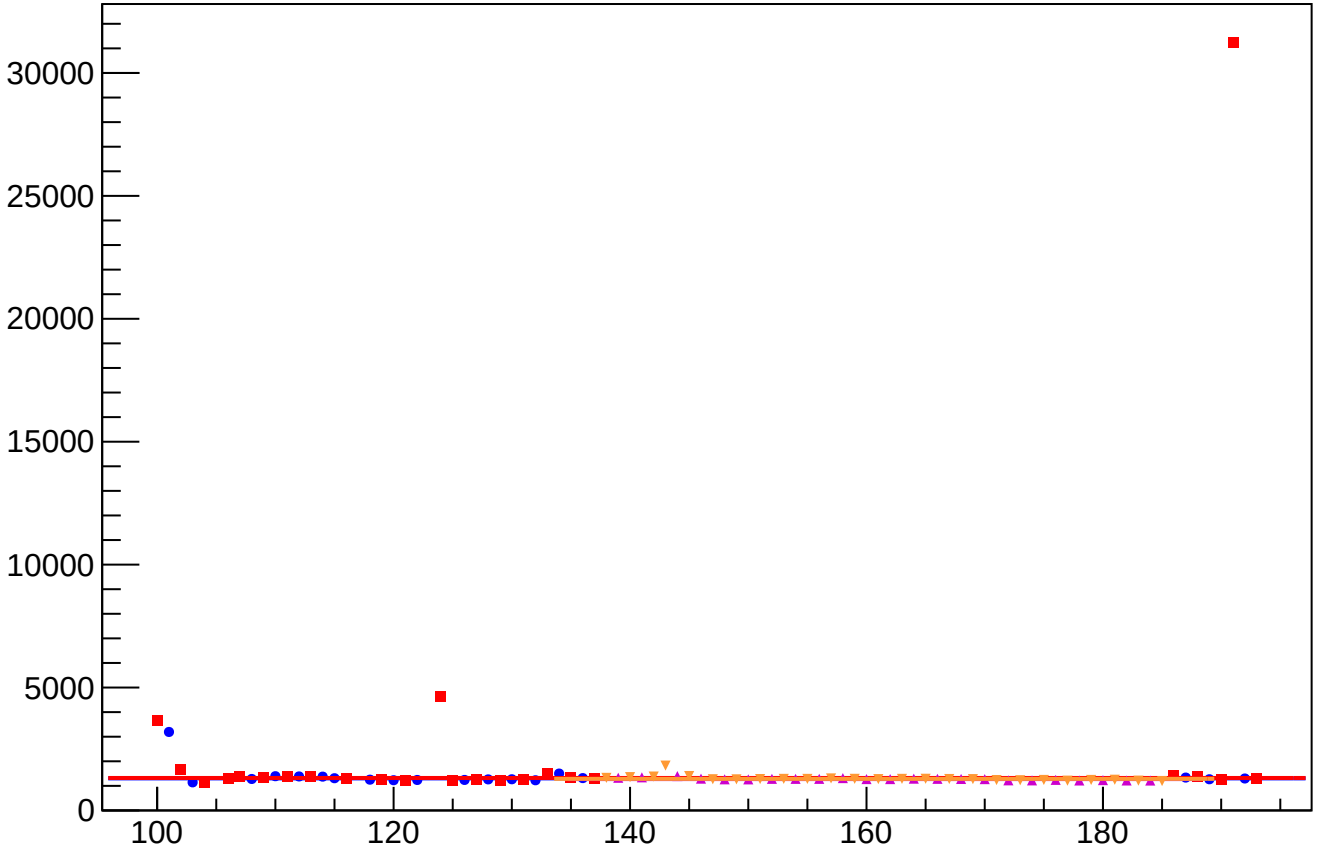
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1707.033+/-244.331 χ^2/NDF: 49.0/43

All: -302.877+/-172.830 χ^2/NDF: 232.6/90

- sign -2315.681+/-244.507 χ^2/NDF: 48.2/46

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

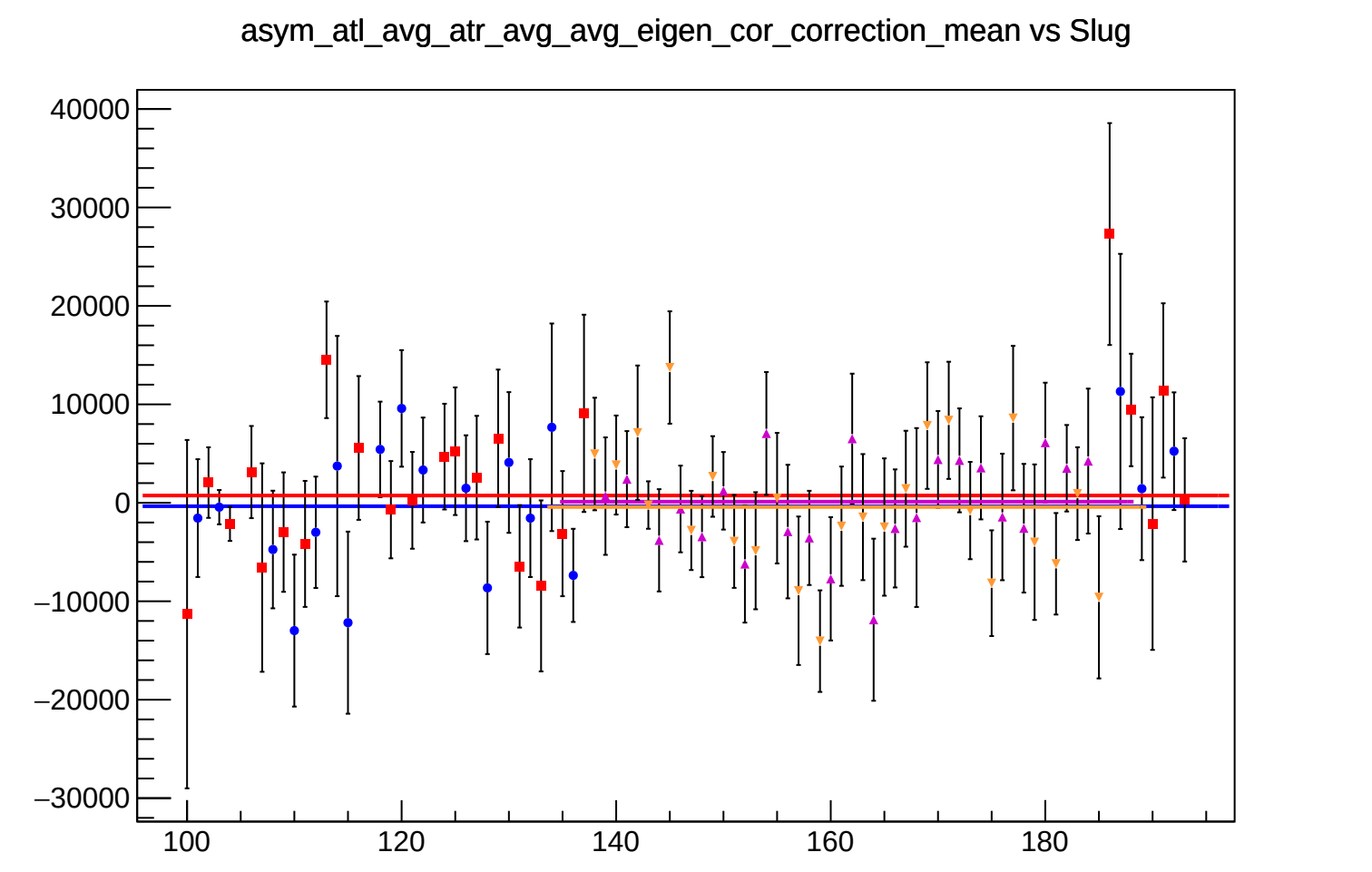
Right Out: 1321.637+/-0.302 χ^2/NDF: 487434.3/23

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+/-0.122 χ^2/NDF: 1255155.0/90

- sign 1290.922+/-0.173 χ^2/NDF: 544241.3/46



Right In: -345.941+/-1141.601 χ^2/NDF: 16.4/18

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

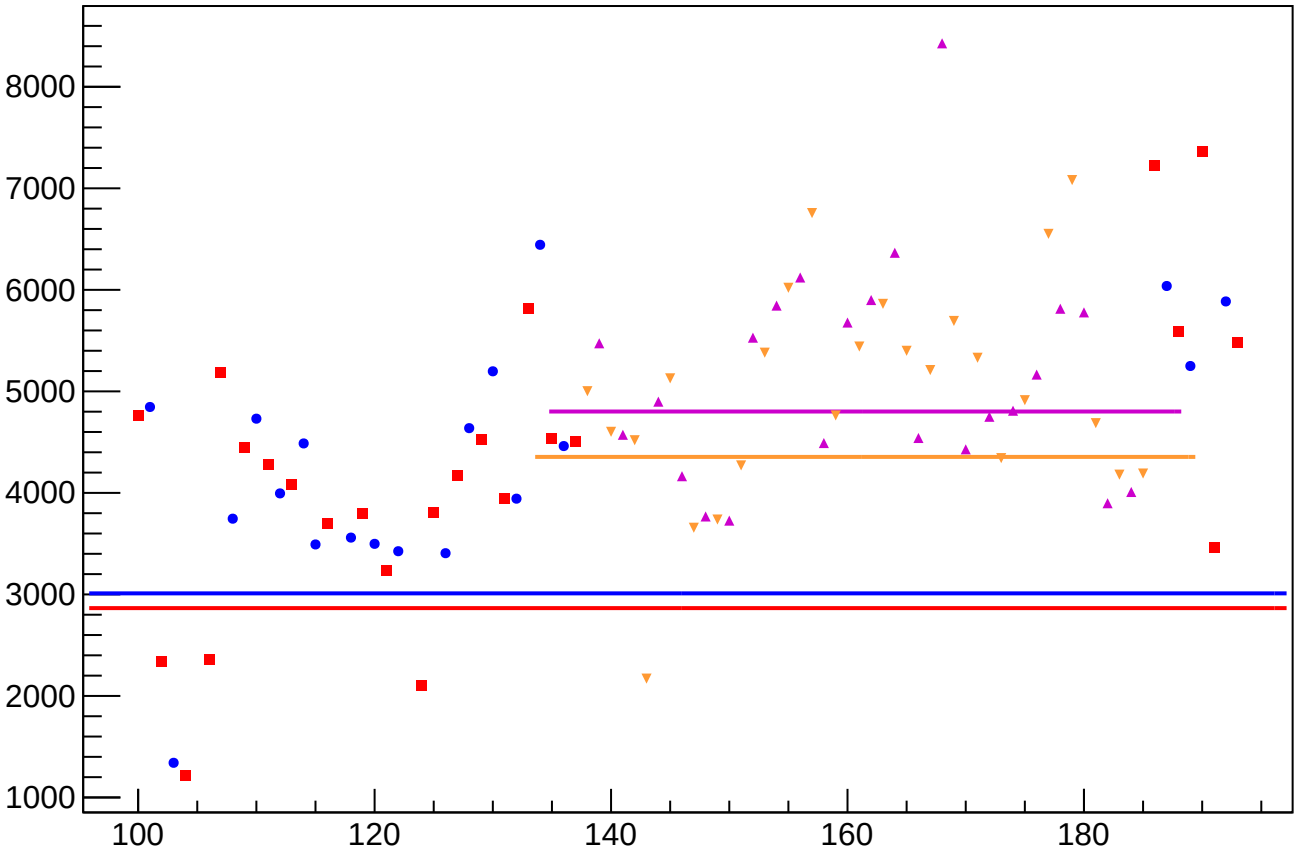
Right Out: 739.248+/-1047.130 χ^2/NDF: 25.7/23

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -391.148+/-768.012 χ^2/NDF: 46.2/43

All: 30.295+/-544.691 χ^2/NDF: 86.3/90

- sign 456.818+/-772.627 χ^2/NDF: 39.5/46



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: 2865.083+/-0.740 χ^2/NDF: 4554054.1/23

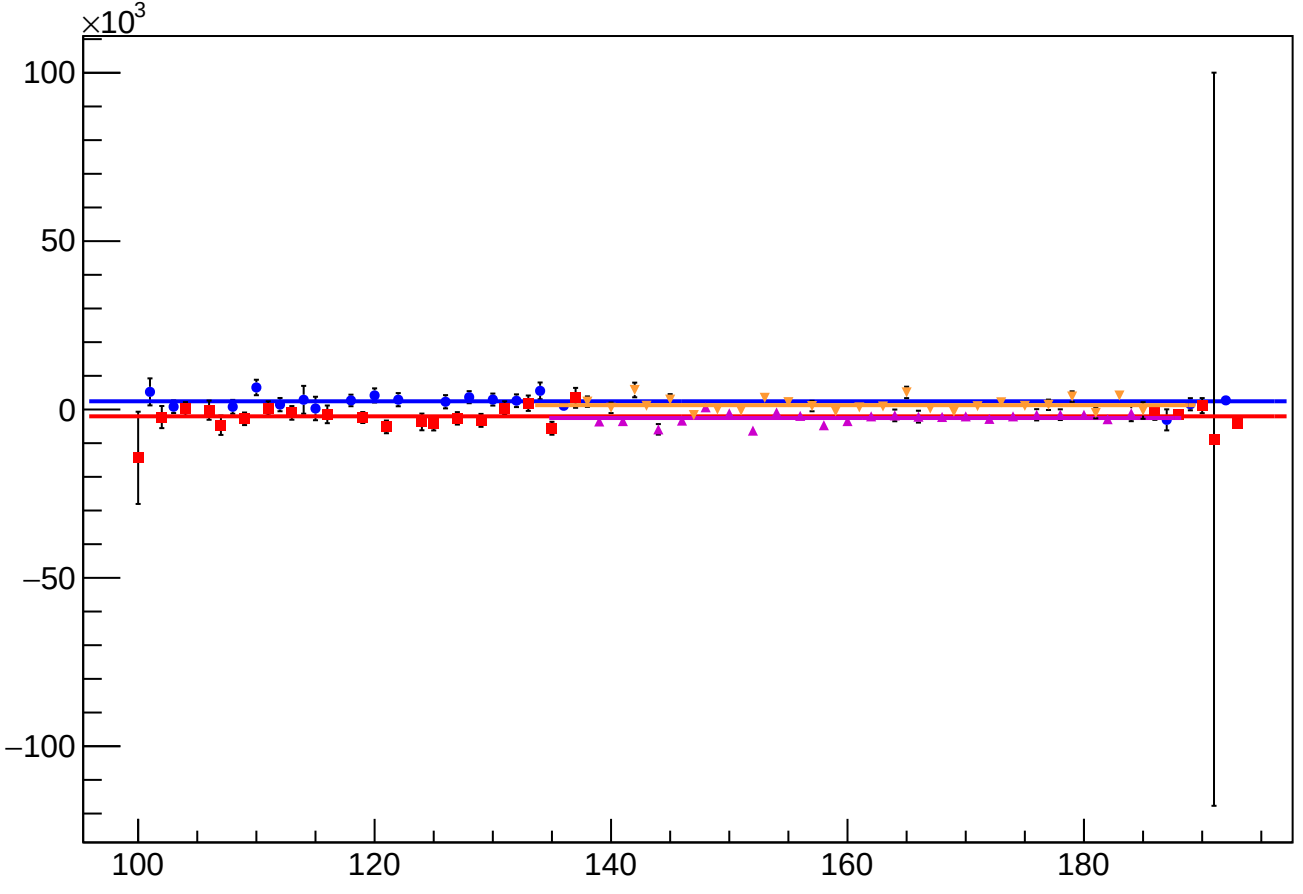
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3746.163+/-0.543 χ^2/NDF: 8397380.2/43

All: 3746.727+/-0.385 χ^2/NDF: 17299480.0/9

- sign 3747.297+/-0.546 χ^2/NDF: 8902097.7/46

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: -2026.058+/-435.073 χ^2/NDF: 25.2/23

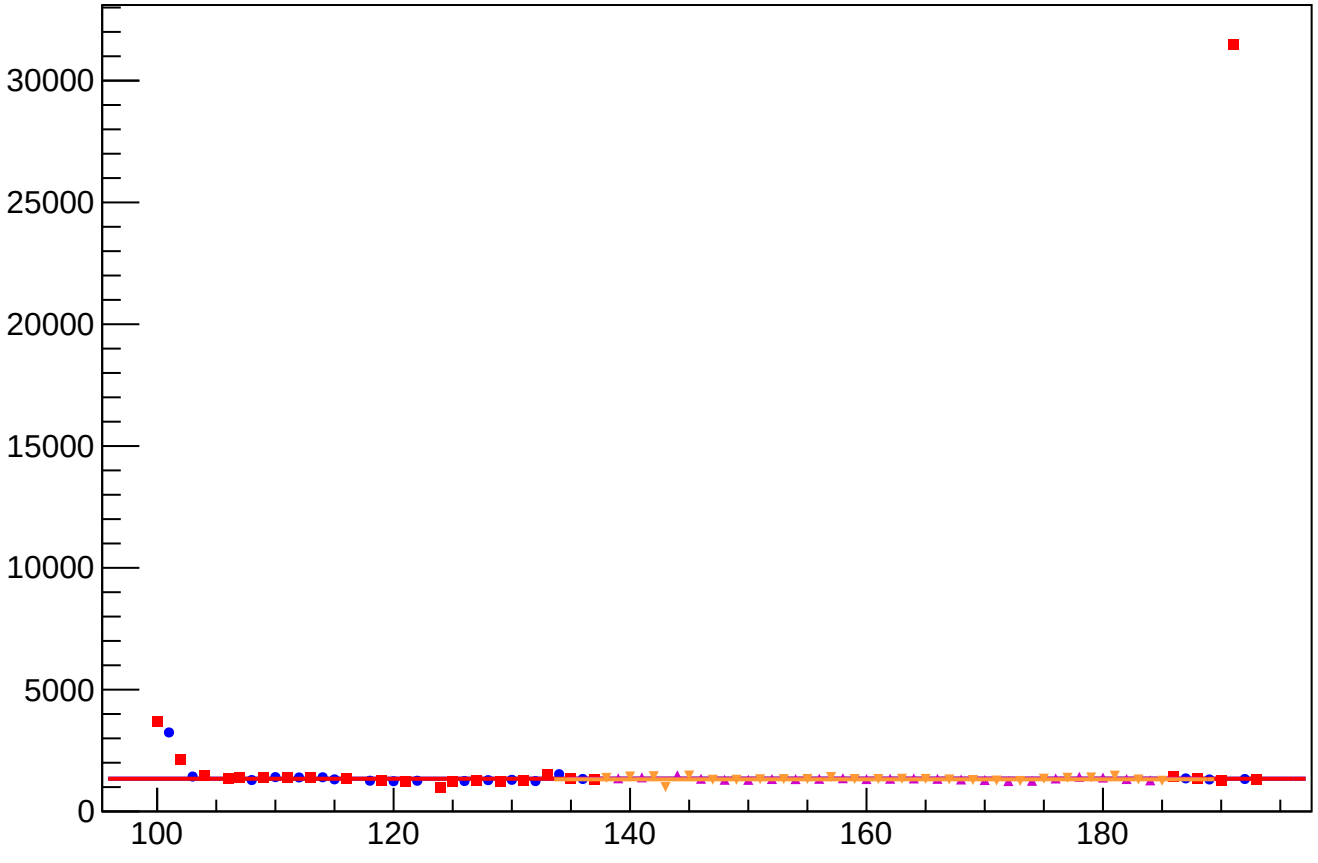
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1633.071+/-251.172 χ^2/NDF: 50.7/43

All: -340.659+/-178.604 χ^2/NDF: 226.7/90

- sign -2359.393+/-254.019 χ^2/NDF: 51.1/46

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

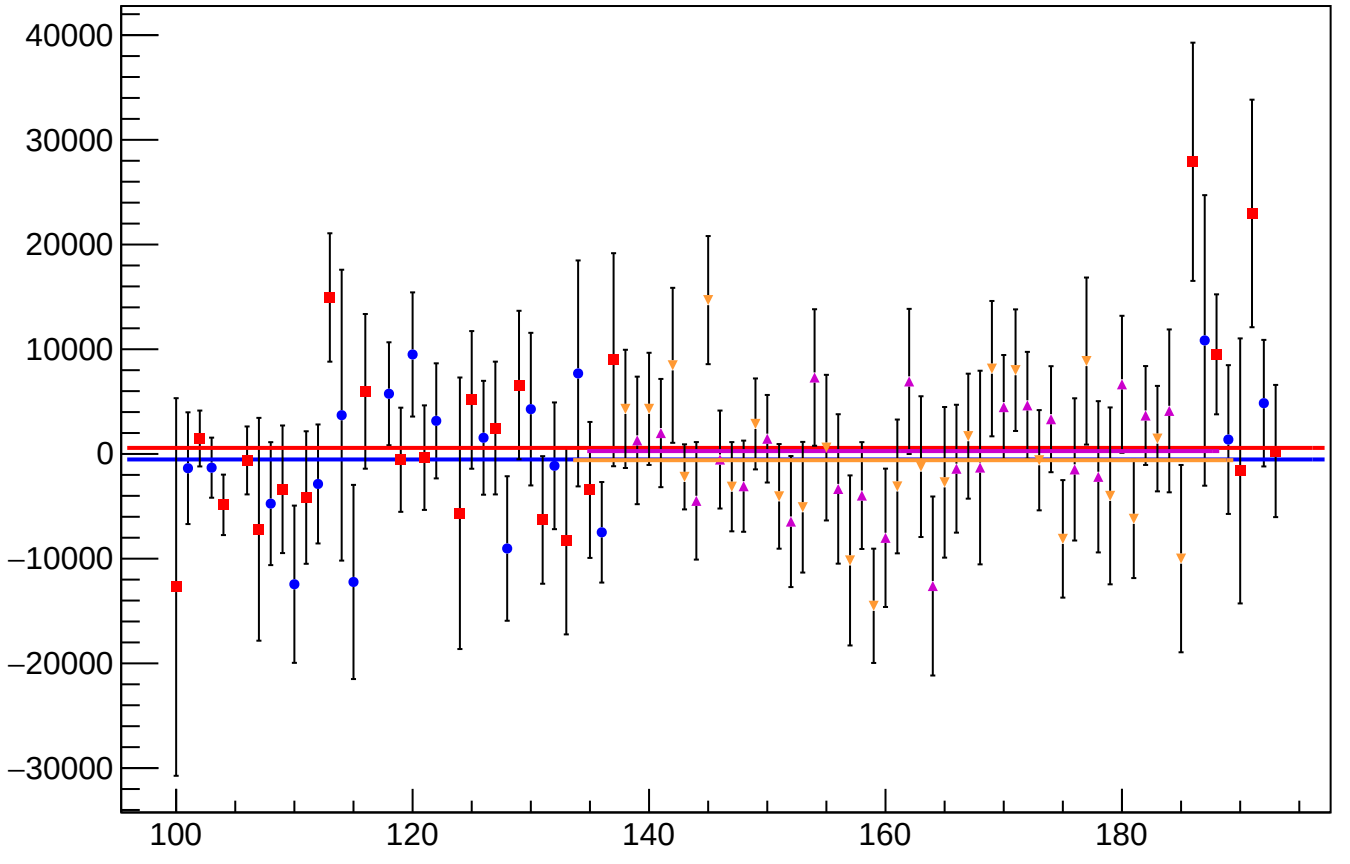
Right Out: 1342.544+/-0.308 χ^2/NDF: 433042.5/23

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1326.564+/-0.178 χ^2/NDF: 748819.9/43

All: 1333.181+/-0.126 χ^2/NDF: 1239026.6/90

- sign 1339.947+/-0.180 χ^2/NDF: 487399.2/46



Right In: -525.547+/-1337.071 χ^2/NDF: 16.2/18

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

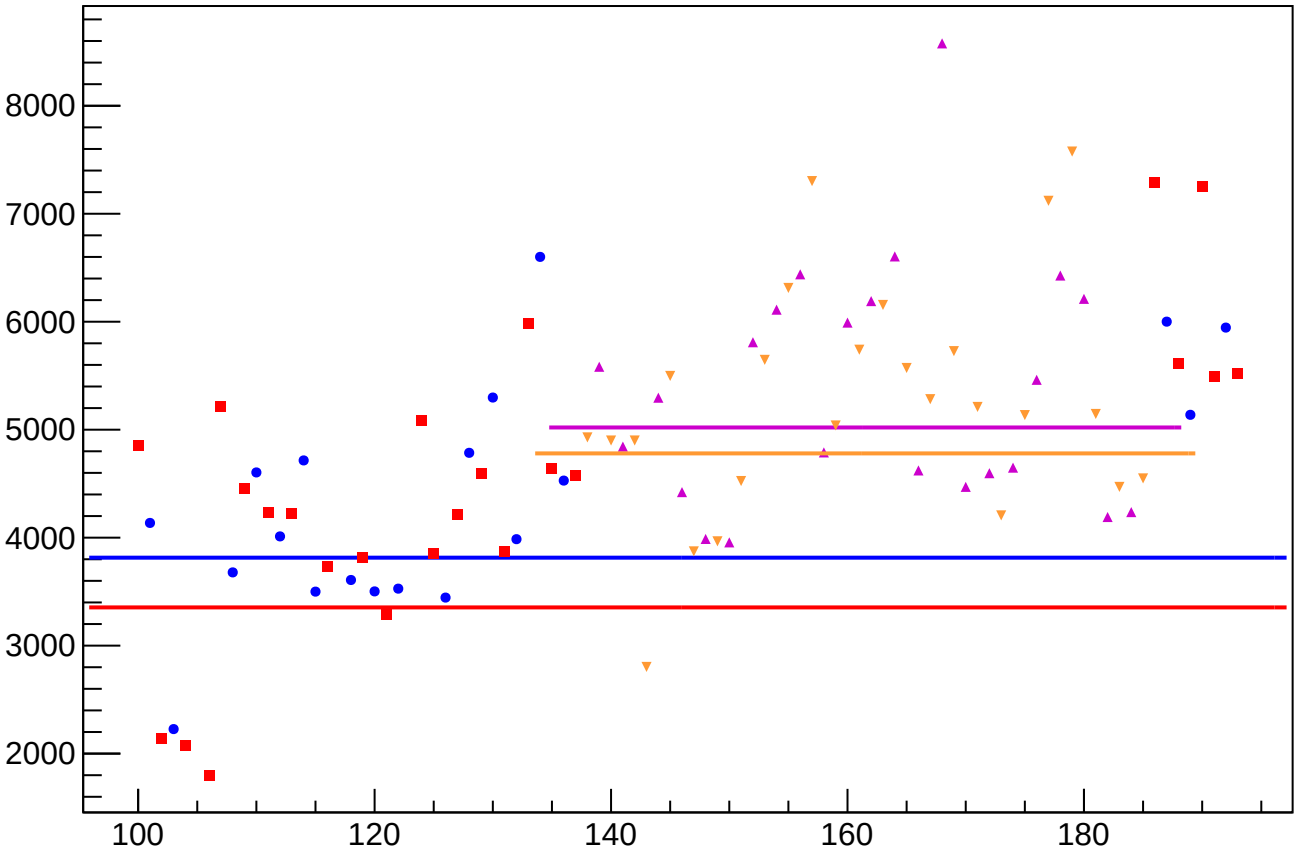
Right Out: 578.087+/-1139.932 χ^2/NDF: 29.3/23

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

\+ sign -566.244+/-859.610 χ^2/NDF: 45.8/43

All: -46.399+/-595.383 χ^2/NDF: 89.2/90

\- sign 432.924+/-825.427 χ^2/NDF: 42.7/46



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: 3354.011+/-0.806 χ^2/NDF: 3003378.1/23

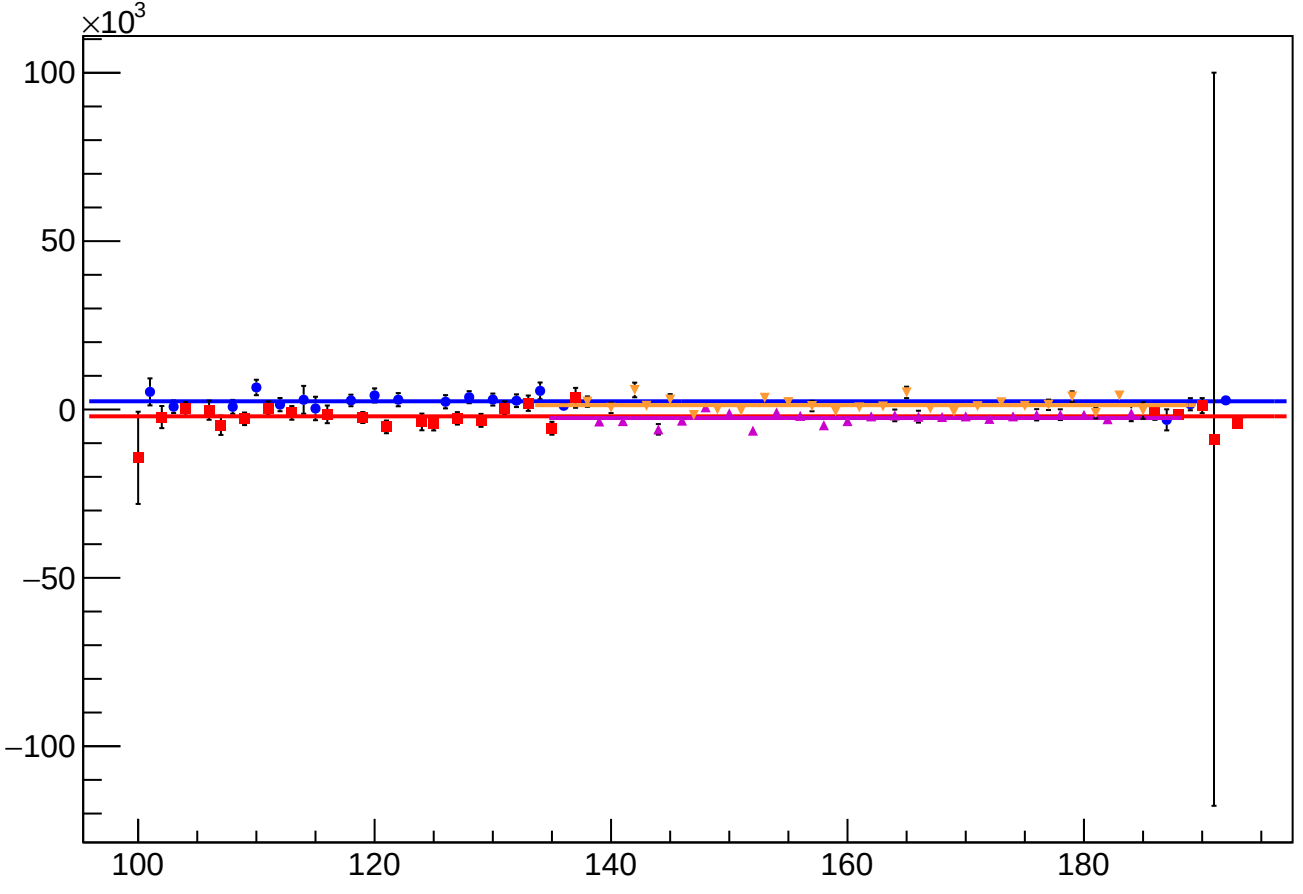
Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4381.252+/-0.608 χ^2/NDF: 3967184.2/43

All: 4259.245+/-0.421 χ^2/NDF: 10306478.4/9

- sign 4146.748+/-0.584 χ^2/NDF: 6261854.7/46

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



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: -2026.060+/-435.073 χ^2/NDF: 25.2/23

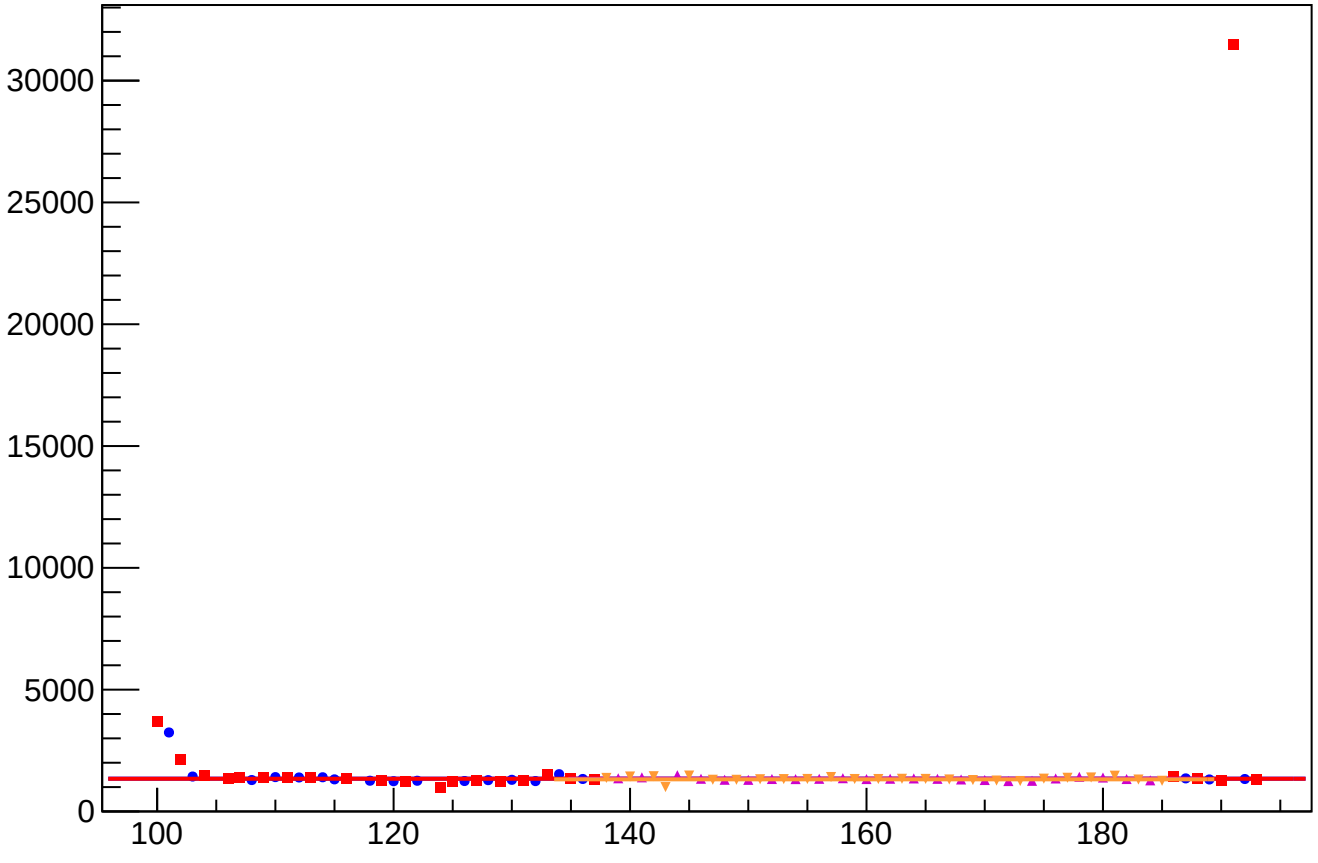
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1633.069+/-251.172 χ^2/NDF: 50.7/43

All: -340.660+/-178.604 χ^2/NDF: 226.7/90

- sign -2359.394+/-254.020 χ^2/NDF: 51.1/46

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

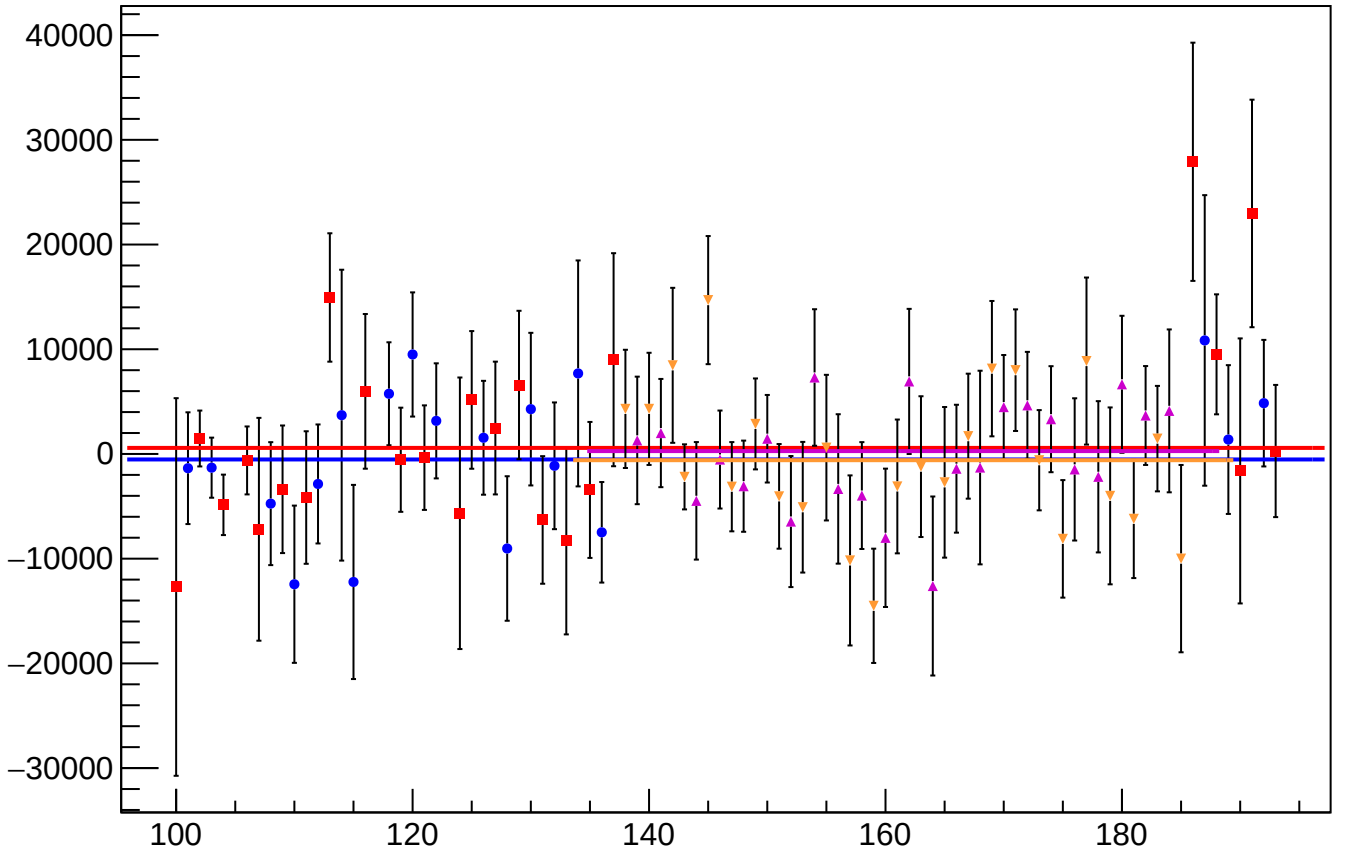
Right Out: 1342.544+/-0.308 χ^2/NDF: 433041.4/23

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1326.565+/-0.178 χ^2/NDF: 748821.9/43

All: 1333.182+/-0.126 χ^2/NDF: 1239029.9/90

- sign 1339.948+/-0.180 χ^2/NDF: 487400.5/46



Right In: -525.541+/-1337.068 χ^2/NDF: 16.2/18

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

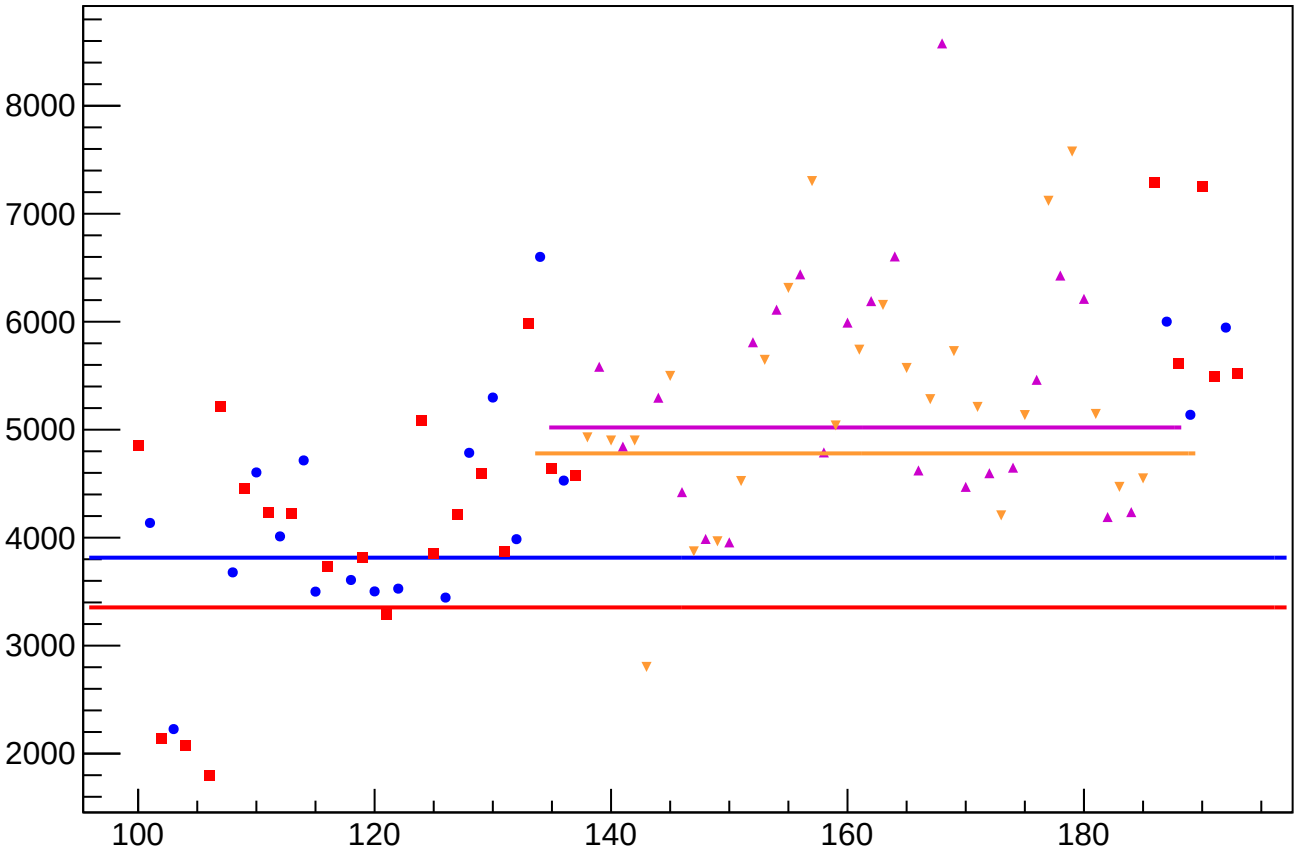
Right Out: 578.080+/-1139.930 χ^2/NDF: 29.3/23

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -566.244+/-859.610 χ^2/NDF: 45.8/43

All: -46.400+/-595.383 χ^2/NDF: 89.2/90

- sign 432.922+/-825.427 χ^2/NDF: 42.7/46



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: 3354.002+/-0.806 χ^2/NDF: 3003390.5/23

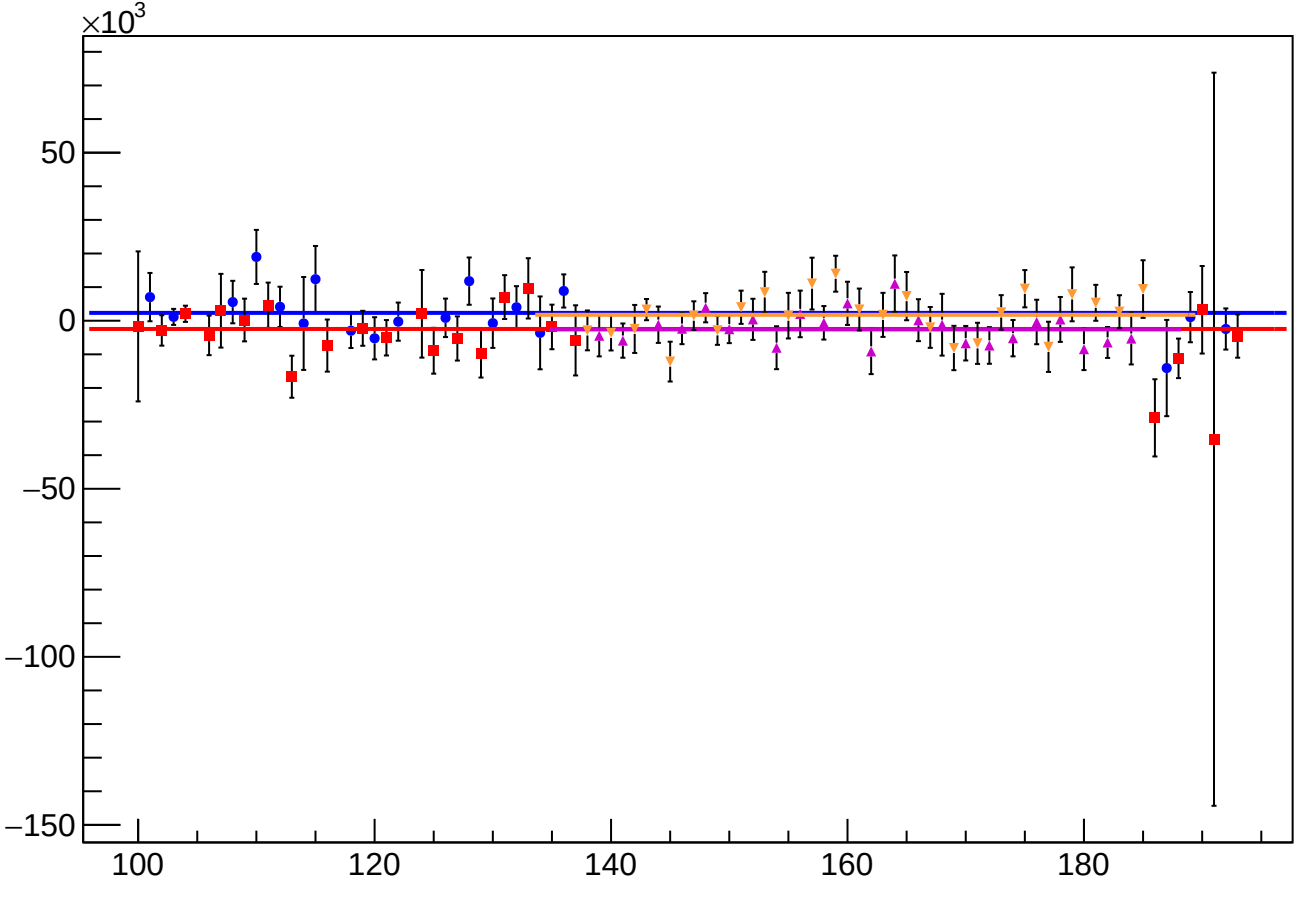
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4381.252+/-0.608 χ^2/NDF: 3967215.1/43

All: 4259.243+/-0.421 χ^2/NDF: 10306568.7/9

- sign 4146.744+/-0.584 χ^2/NDF: 6261911.7/46

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: -2449.153+/-1263.881 χ^2/NDF: 25.1/23

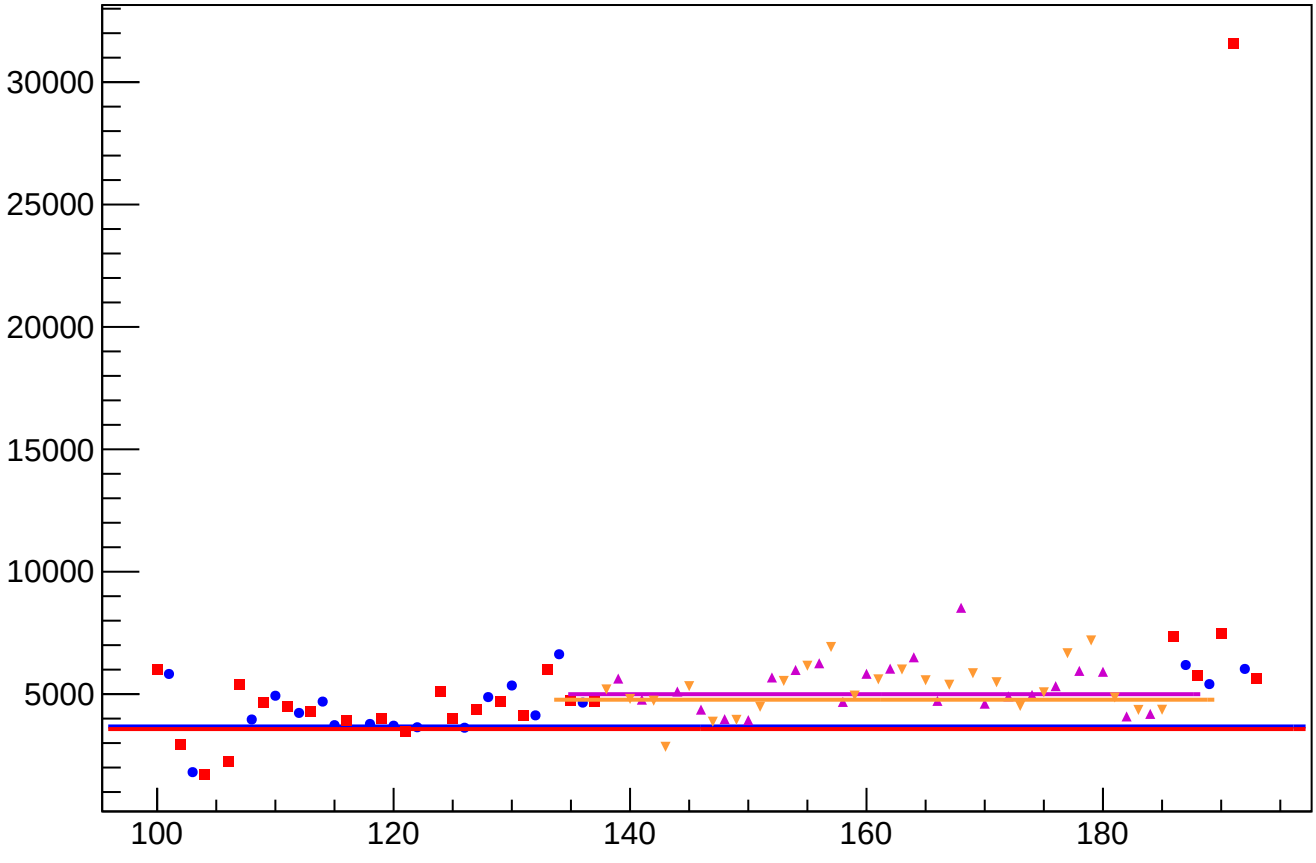
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 1999.441+/-854.351 χ^2/NDF: 43.0/43

All: -229.501+/-608.125 χ^2/NDF: 95.2/90

- sign -2518.576+/-865.799 χ^2/NDF: 38.4/46

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

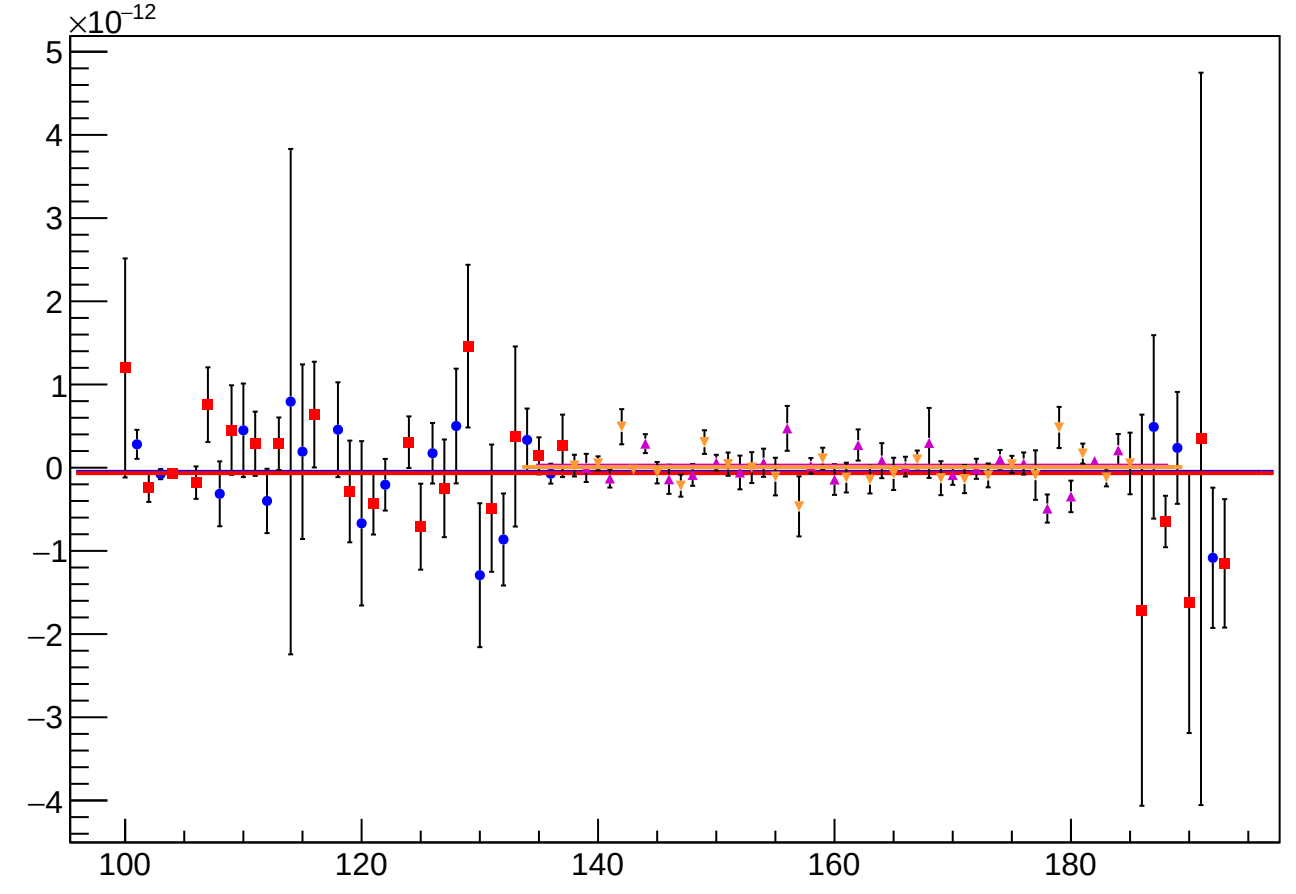
Right Out: 3571.907+/-0.883 χ^2/NDF: 2984472.3/23

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4318.557+/-0.604 χ^2/NDF: 4931802.2/43

All: 4318.952+/-0.429 χ^2/NDF: 10378786.2/9

- sign 4319.352+/-0.609 χ^2/NDF: 5446983.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

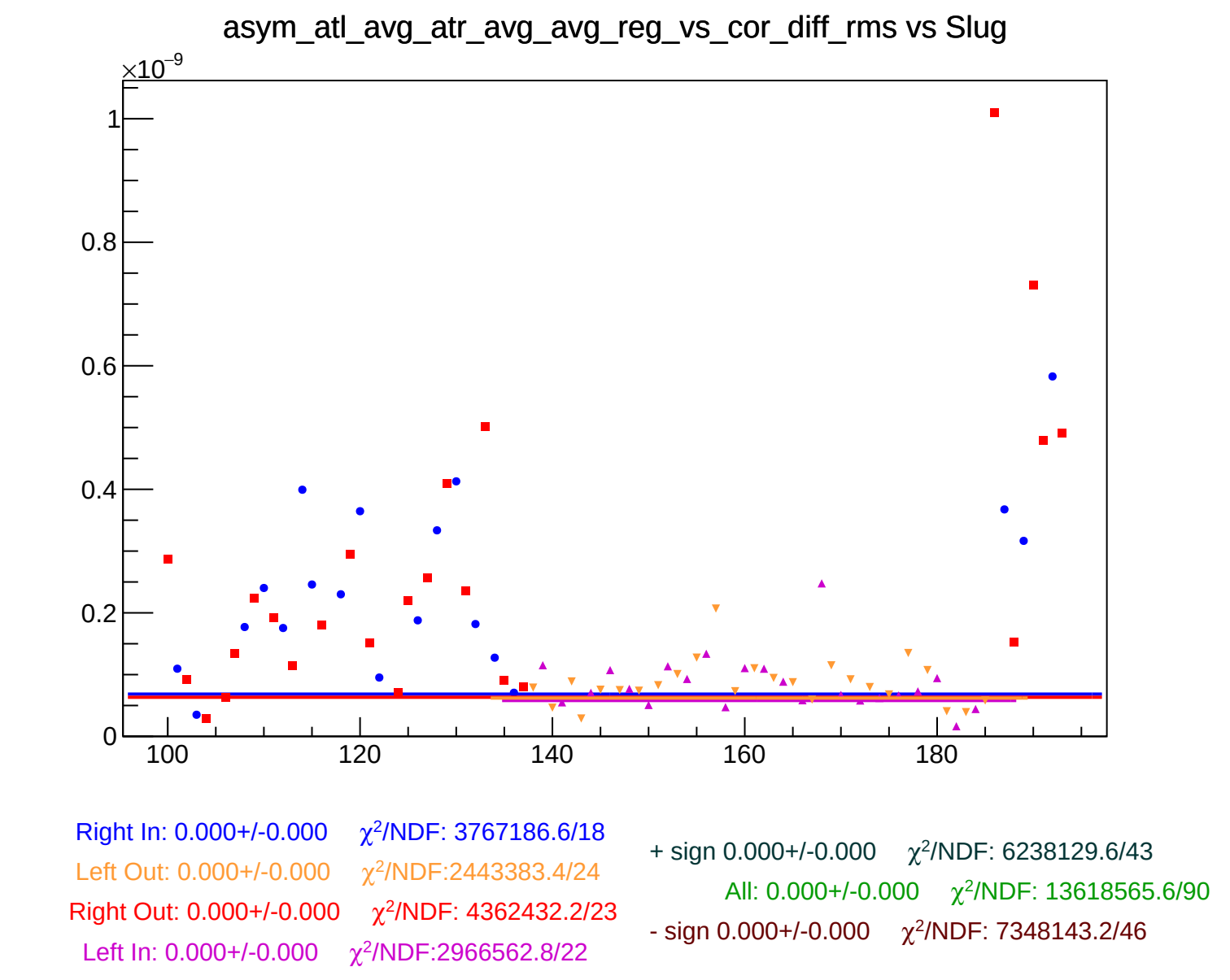
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/23

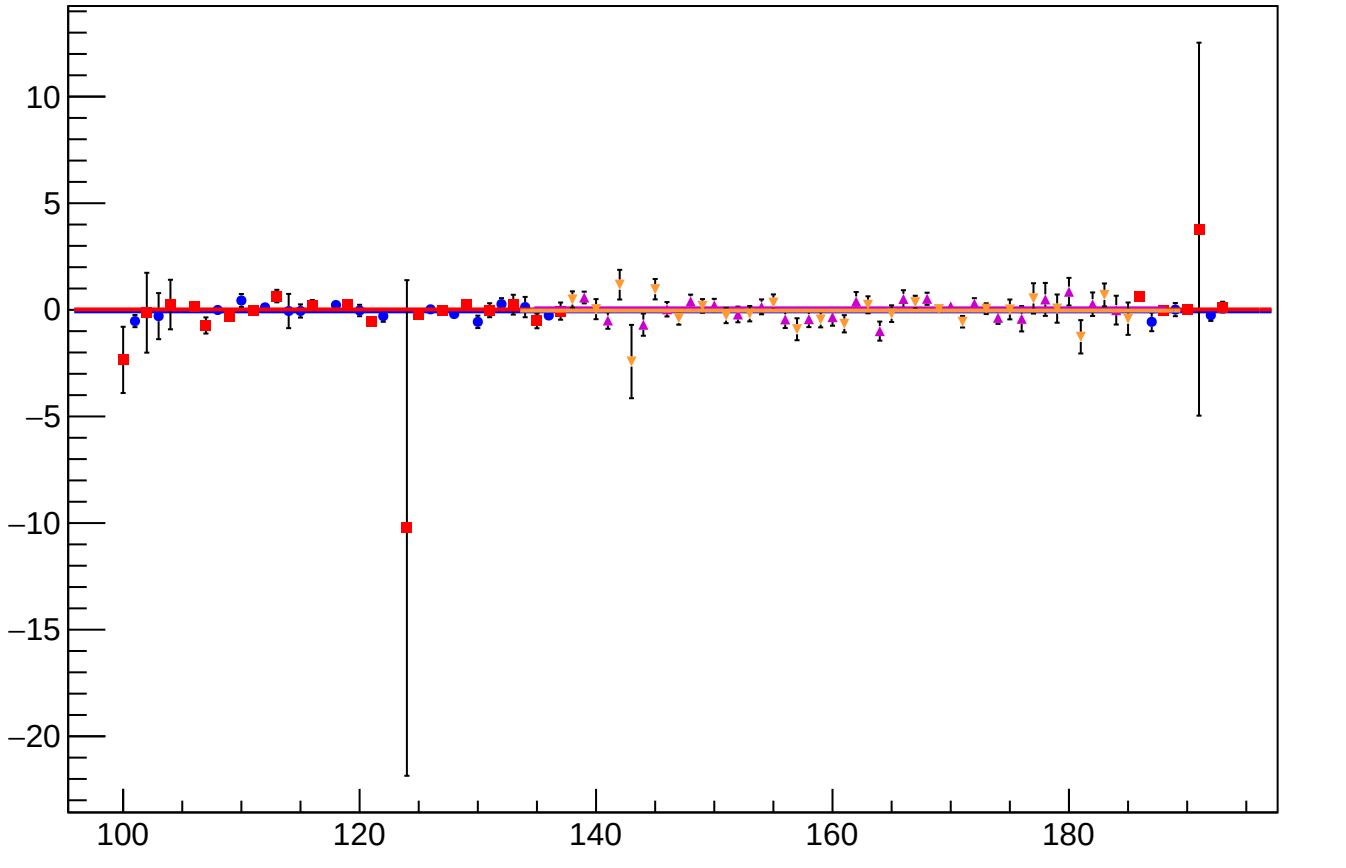
Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/43

All: -0.000+/-0.000 χ^2/NDF: 104.1/90

- sign 0.000+/-0.000 χ^2/NDF: 60.2/46


asym_atl_avg_atr_avg_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: 3767186.6/18
Left Out: 0.000+/-0.000 χ²/NDF:2443383.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 4362432.2/23
Left In: 0.000+/-0.000 χ²/NDF:2966562.8/22
+ sign 0.000+/-0.000 χ²/NDF: 6238129.6/43
All: 0.000+/-0.000 χ²/NDF: 13618565.6/90
- sign 0.000+/-0.000 χ²/NDF: 7348143.2/46



Right In: -0.070+/-0.063 χ^2/NDF: 16.7/18

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

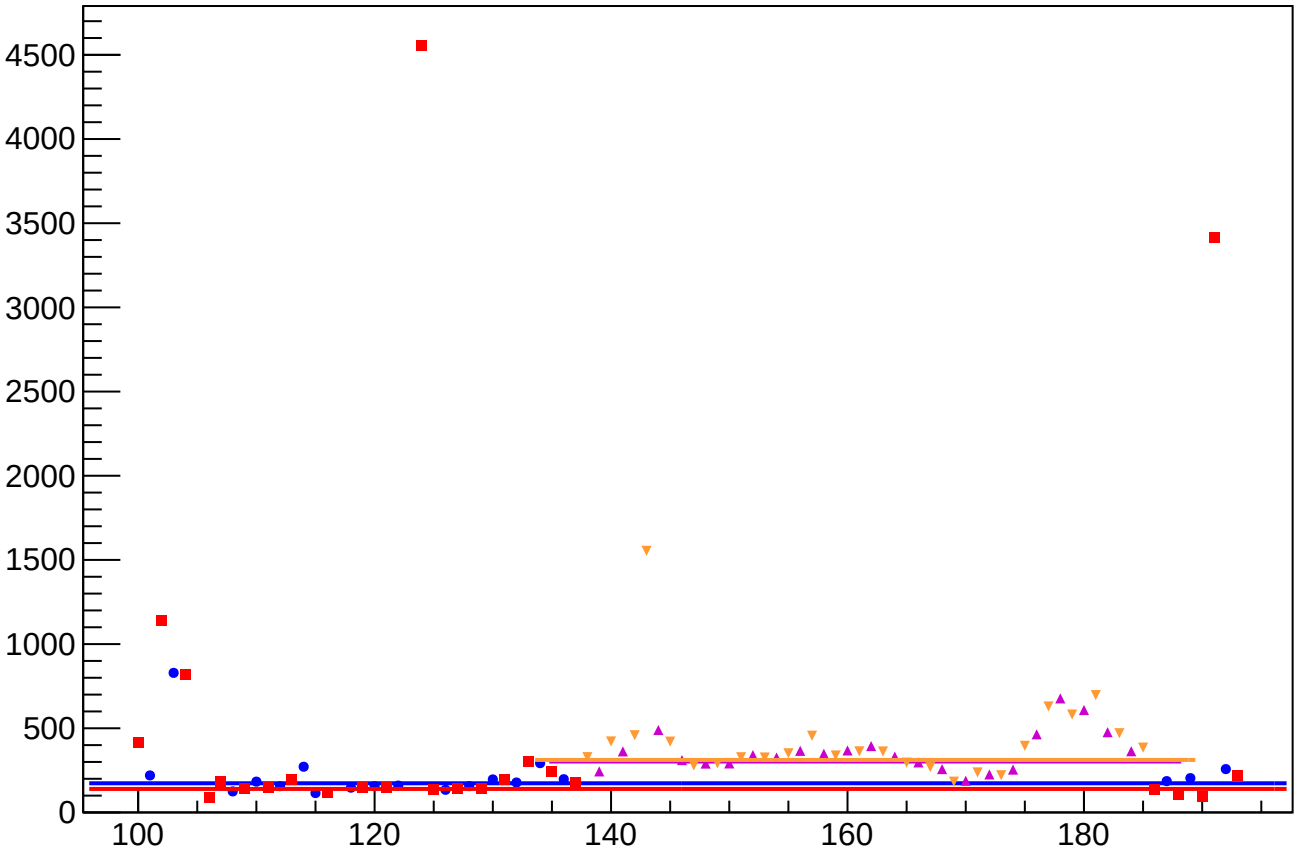
Right Out: 0.019+/-0.051 χ^2/NDF: 35.5/23

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

\+ sign -0.056+/-0.049 χ^2/NDF: 49.4/43

All: -0.004+/-0.032 χ^2/NDF: 117.2/90

\- sign 0.035+/-0.042 χ^2/NDF: 65.8/46



Right In: 173.314+/-0.044 χ^2/NDF: 1523728.6/18

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

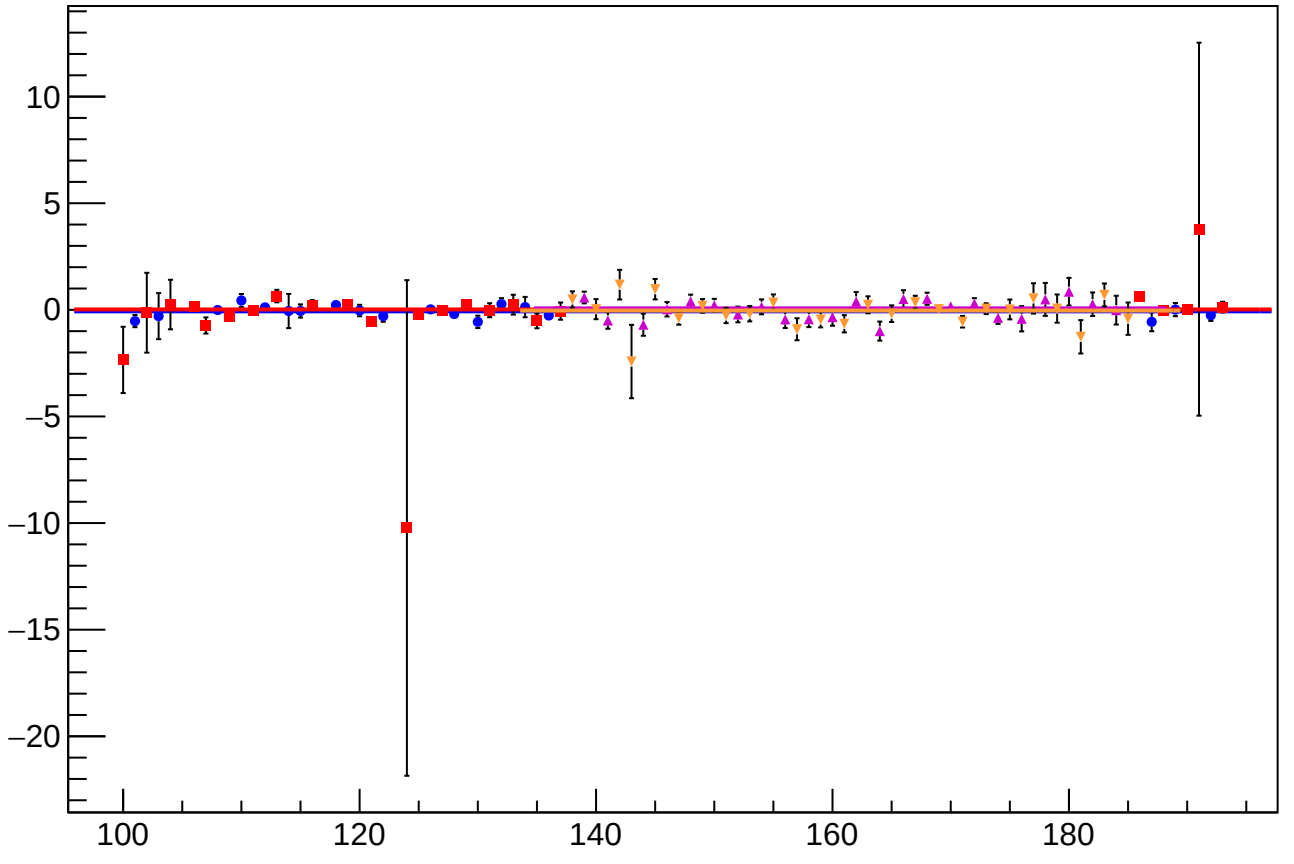
Right Out: 139.730+/-0.036 χ^2/NDF: 3189709.9/23

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 228.899+/-0.034 χ^2/NDF: 9791725.1/43

All: 207.160+/-0.022 χ^2/NDF: 22956718.9/90

- sign 190.887+/-0.030 χ^2/NDF: 12463765.3/46



Right In: -0.070+/-0.063 χ^2/NDF: 16.7/18

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

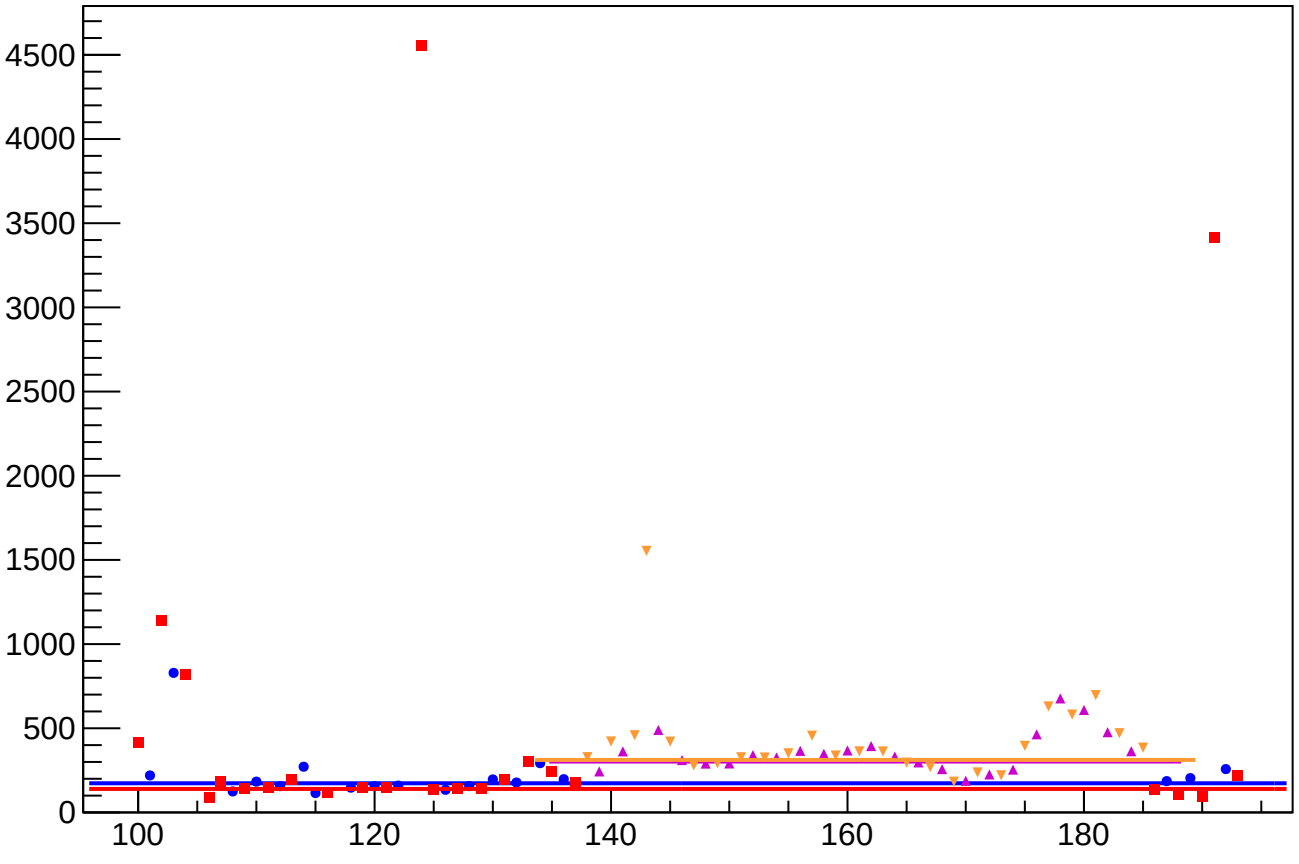
Right Out: 0.019+/-0.051 χ^2/NDF: 35.5/23

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.056+/-0.049 χ^2/NDF: 49.4/43

All: -0.004+/-0.032 χ^2/NDF: 117.2/90

- sign 0.035+/-0.042 χ^2/NDF: 65.8/46



Right In: 173.314+/-0.044 χ^2/NDF: 1523728.6/18

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

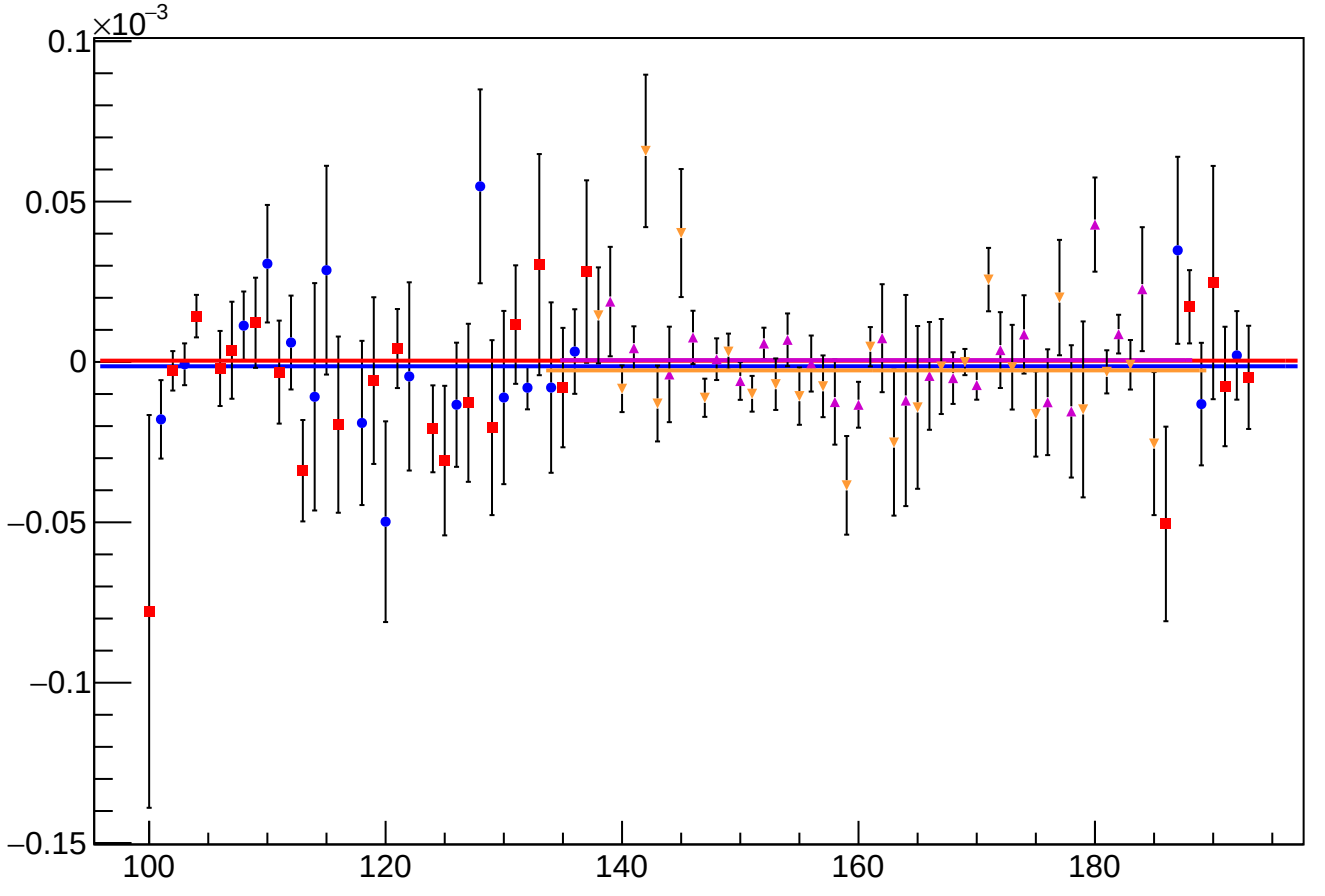
Right Out: 139.730+/-0.036 χ^2/NDF: 3189709.9/23

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 228.899+/-0.034 χ^2/NDF: 9791725.1/43

All: 207.160+/-0.022 χ^2/NDF: 22956718.9/90

- sign 190.887+/-0.030 χ^2/NDF: 12463765.3/46



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

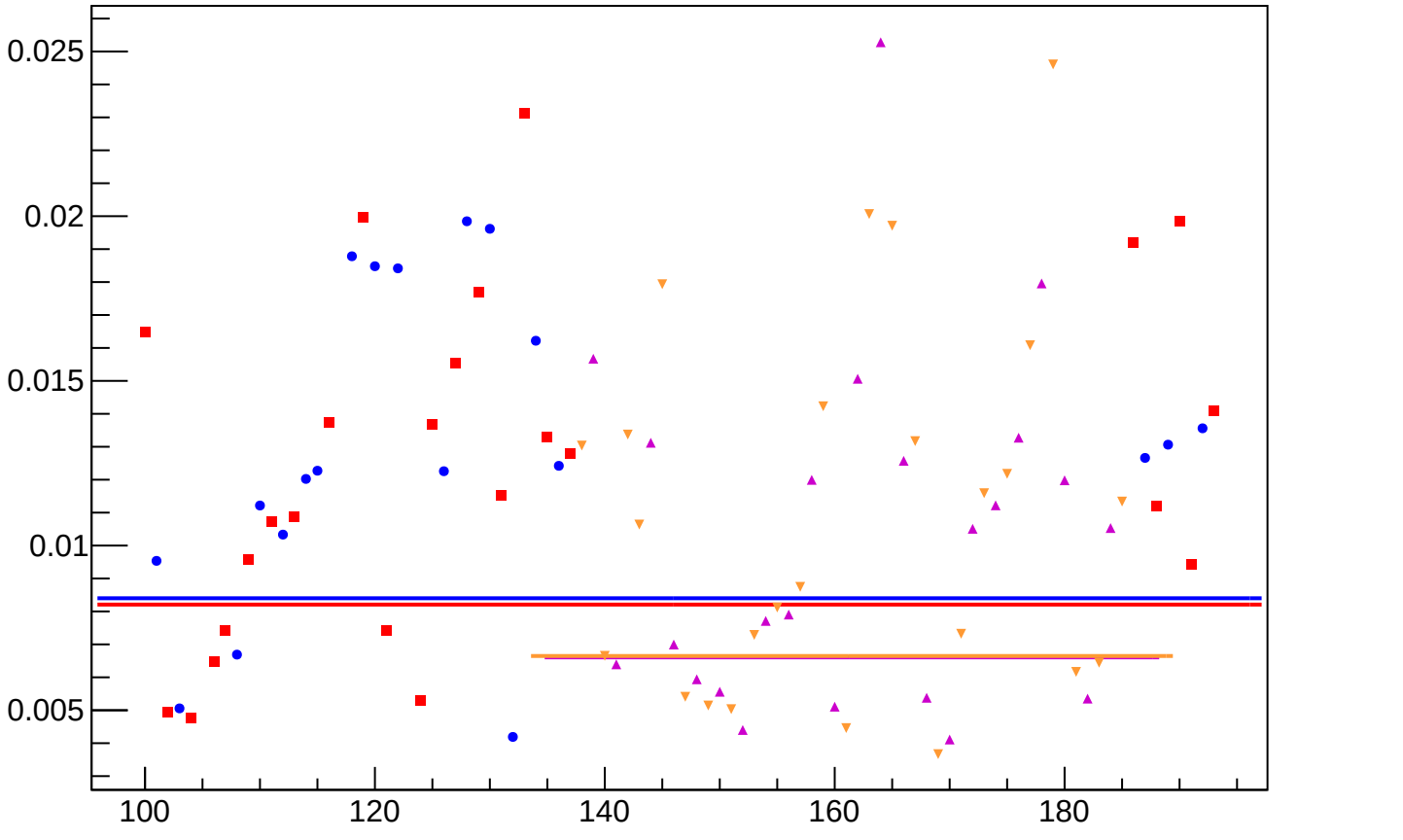
Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/23

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: 114.3/90

- sign 0.000+/-0.000 χ^2/NDF: 52.5/46



Right In: 0.008+/-0.000 χ^2/NDF: 3789750.5/18

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

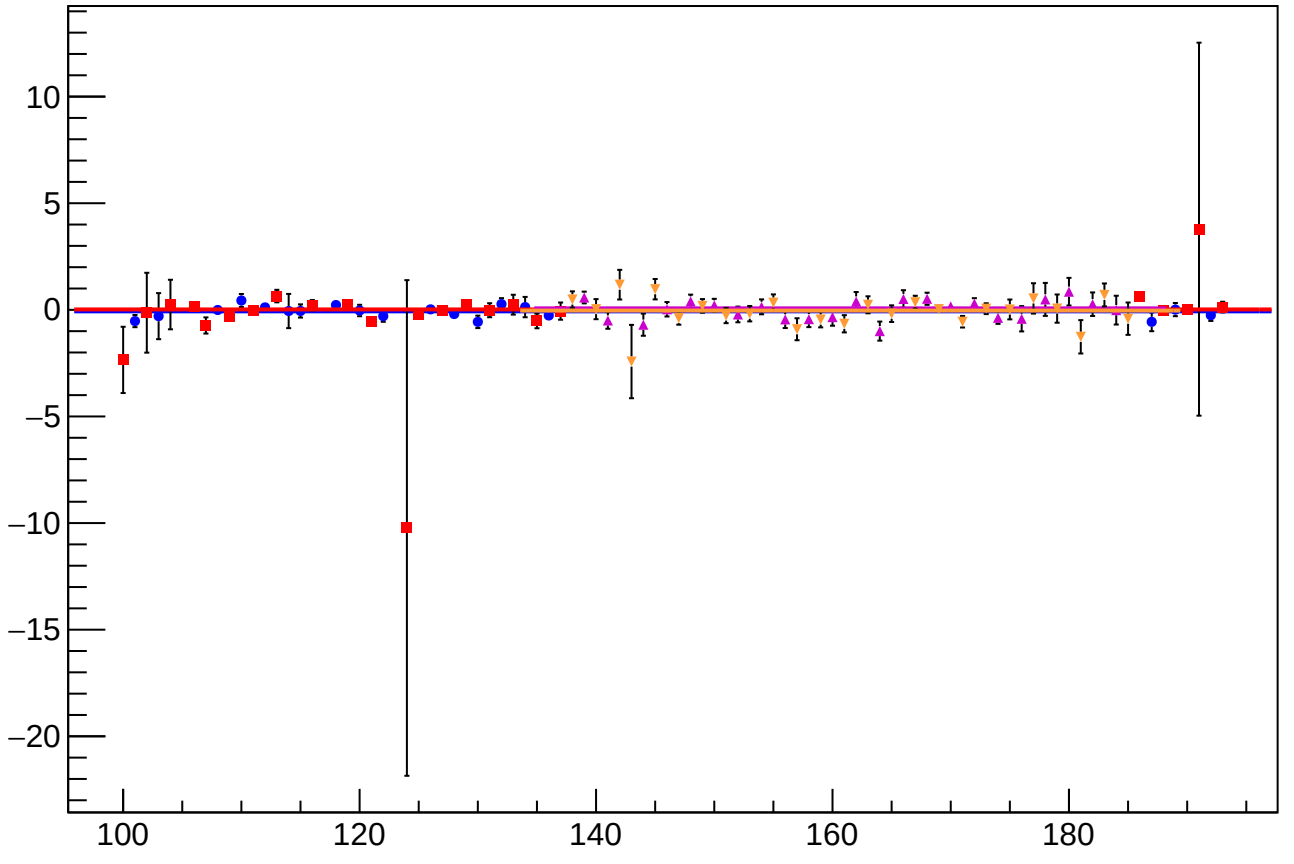
Right Out: 0.008+/-0.000 χ^2/NDF: 3950525.0/23

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: 22007522.1/90

- sign 0.007+/-0.000 χ^2/NDF: 10247757.6/46



Right In: -0.070+/-0.063 χ^2/NDF: 16.7/18

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

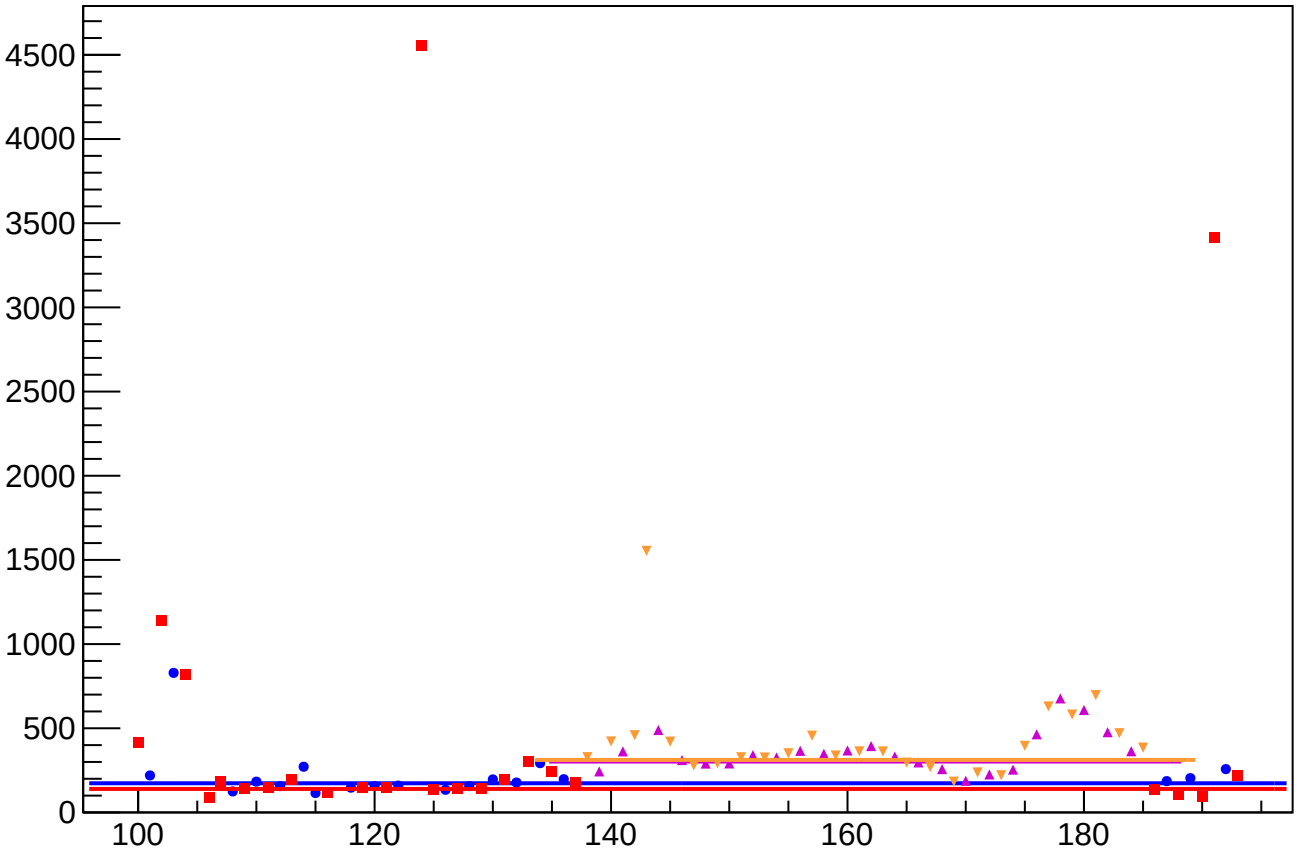
Right Out: 0.019+/-0.051 χ^2/NDF: 35.5/23

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.056+/-0.049 χ^2/NDF: 49.4/43

All: -0.004+/-0.032 χ^2/NDF: 117.2/90

- sign 0.035+/-0.042 χ^2/NDF: 65.8/46



Right In: 173.313+/-0.044 χ^2/NDF: 1523728.4/18

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

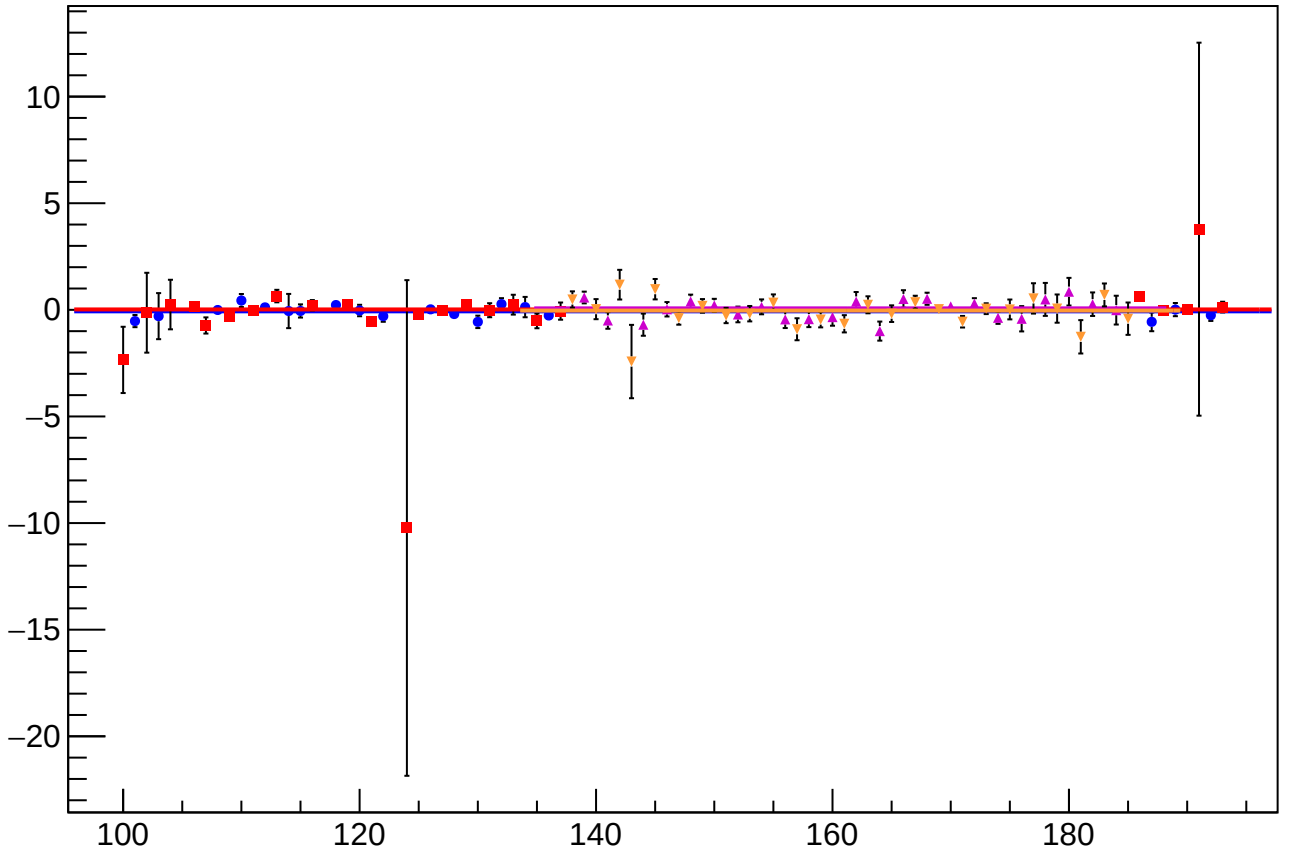
Right Out: 139.726+/-0.036 χ^2/NDF: 3189809.5/23

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 228.899+/-0.034 χ^2/NDF: 9791963.4/43

All: 207.157+/-0.022 χ^2/NDF: 22957719.5/90

- sign 190.883+/-0.030 χ^2/NDF: 12464405.6/46



Right In: -0.070+/-0.063 χ^2/NDF: 16.7/18

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

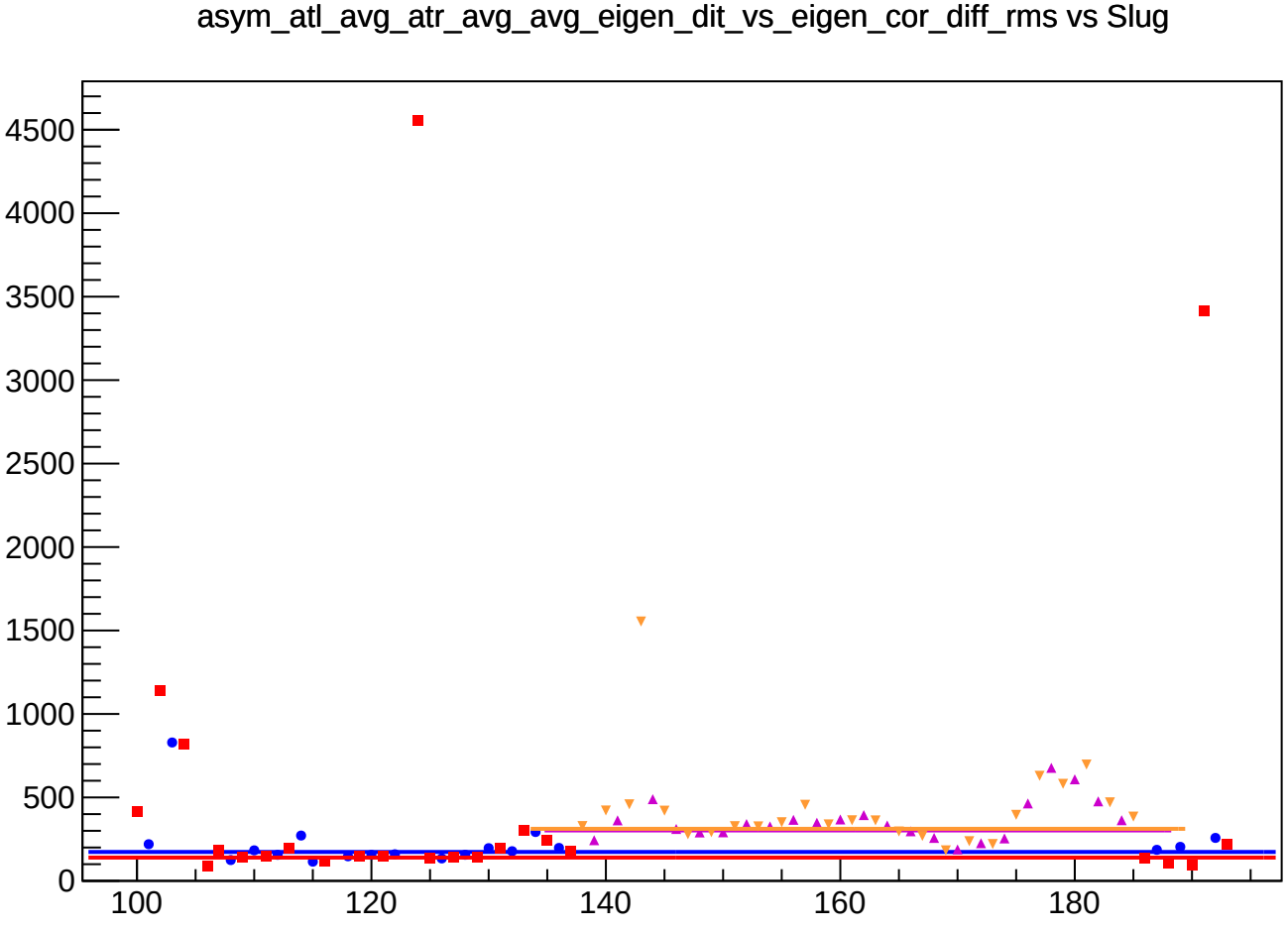
Right Out: 0.019+/-0.051 χ^2/NDF: 35.5/23

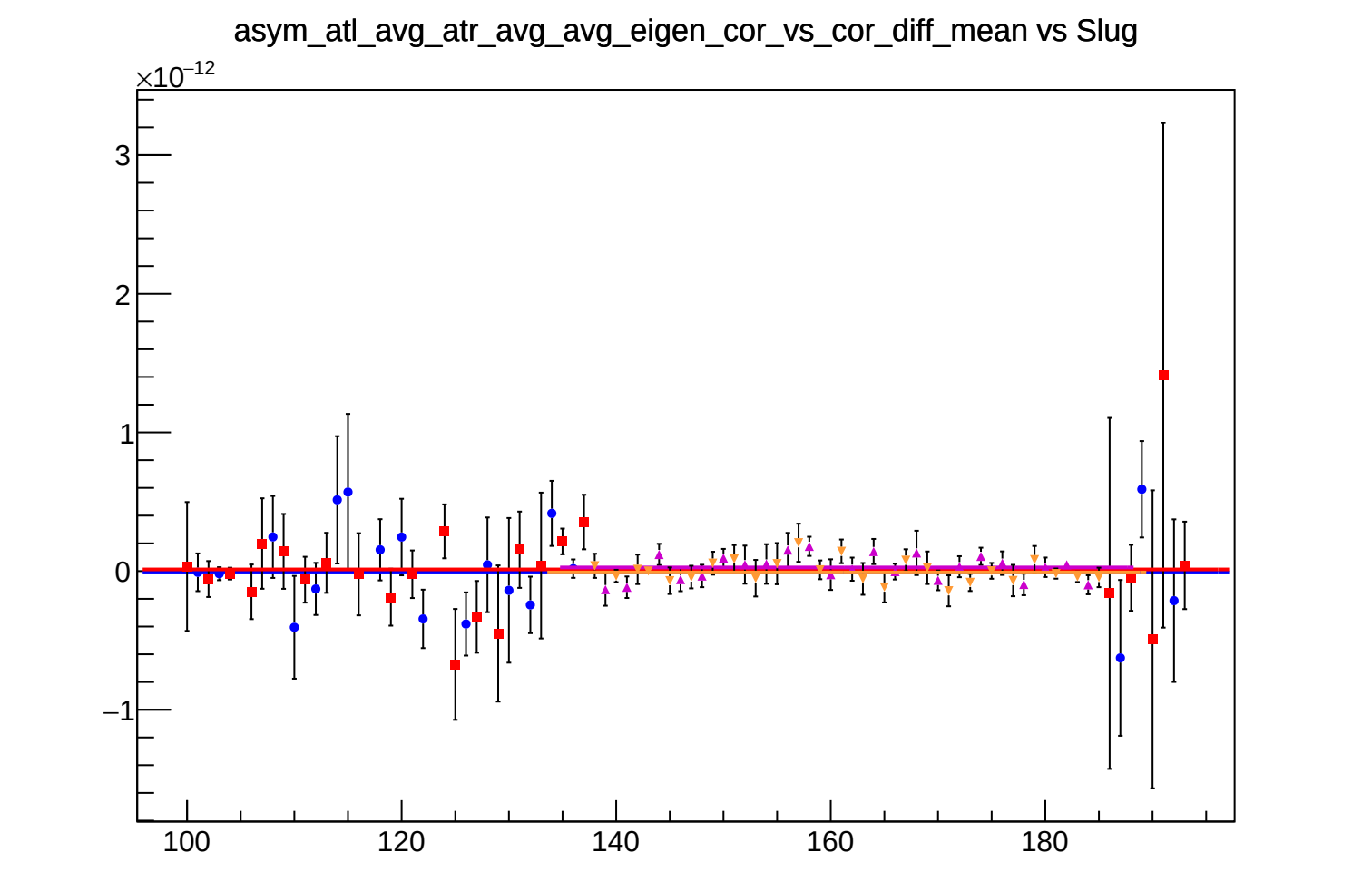
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.056+/-0.049 χ^2/NDF: 49.4/43

All: -0.004+/-0.032 χ^2/NDF: 117.2/90

- sign 0.035+/-0.042 χ^2/NDF: 65.8/46


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: 139.726+/-0.036 χ²/NDF: 3189809.5/23
Left In: 302.377+/-0.053 χ²/NDF:2808874.8/22
+ sign 228.899+/-0.034 χ²/NDF: 9791963.4/43
All: 207.157+/-0.022 χ²/NDF: 22957719.5/90
- sign 190.883+/-0.030 χ²/NDF: 12464405.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

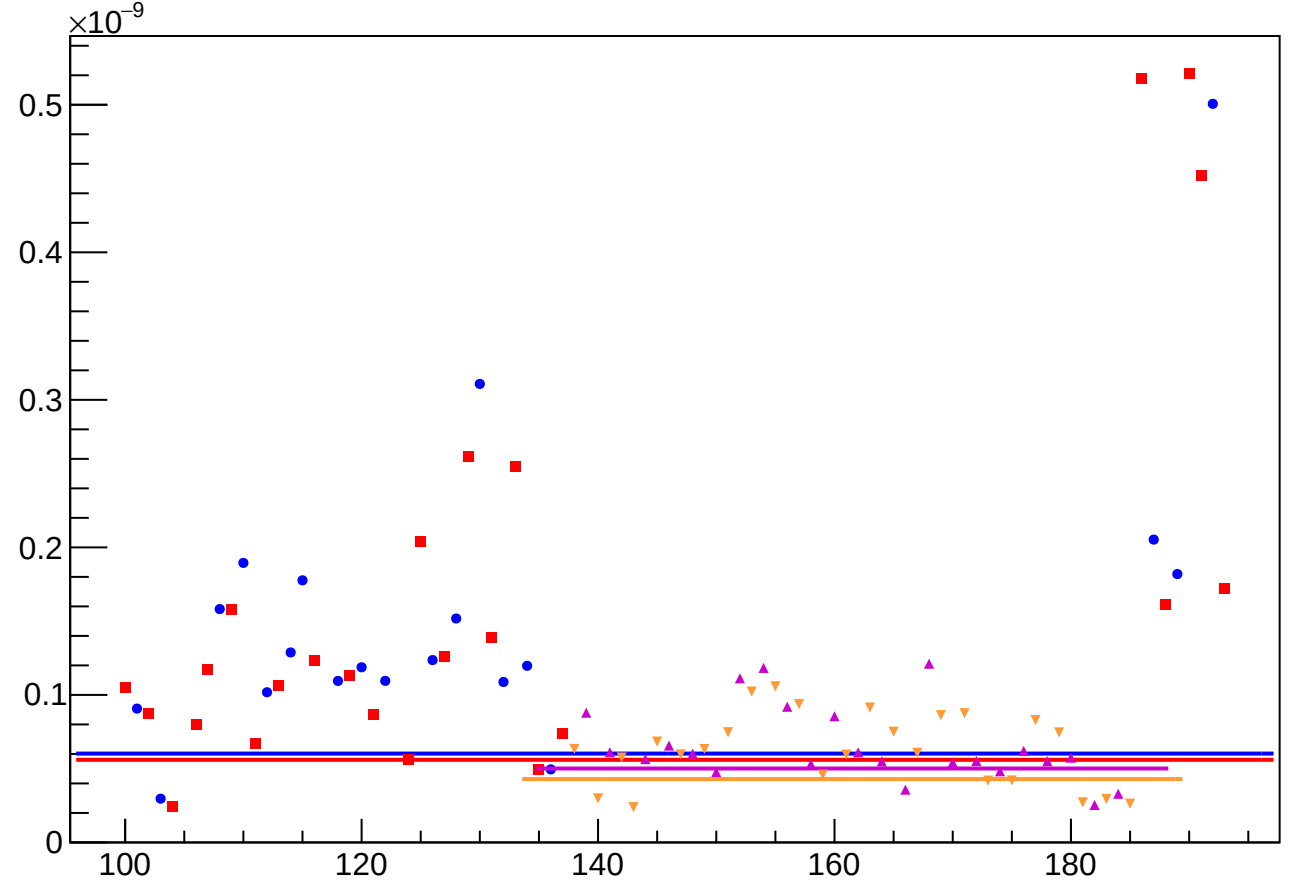
Right Out: 0.000+/-0.000 χ^2/NDF: 19.8/23

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: 87.5/90

- sign 0.000+/-0.000 χ^2/NDF: 47.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 4506015.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4716870.4/23

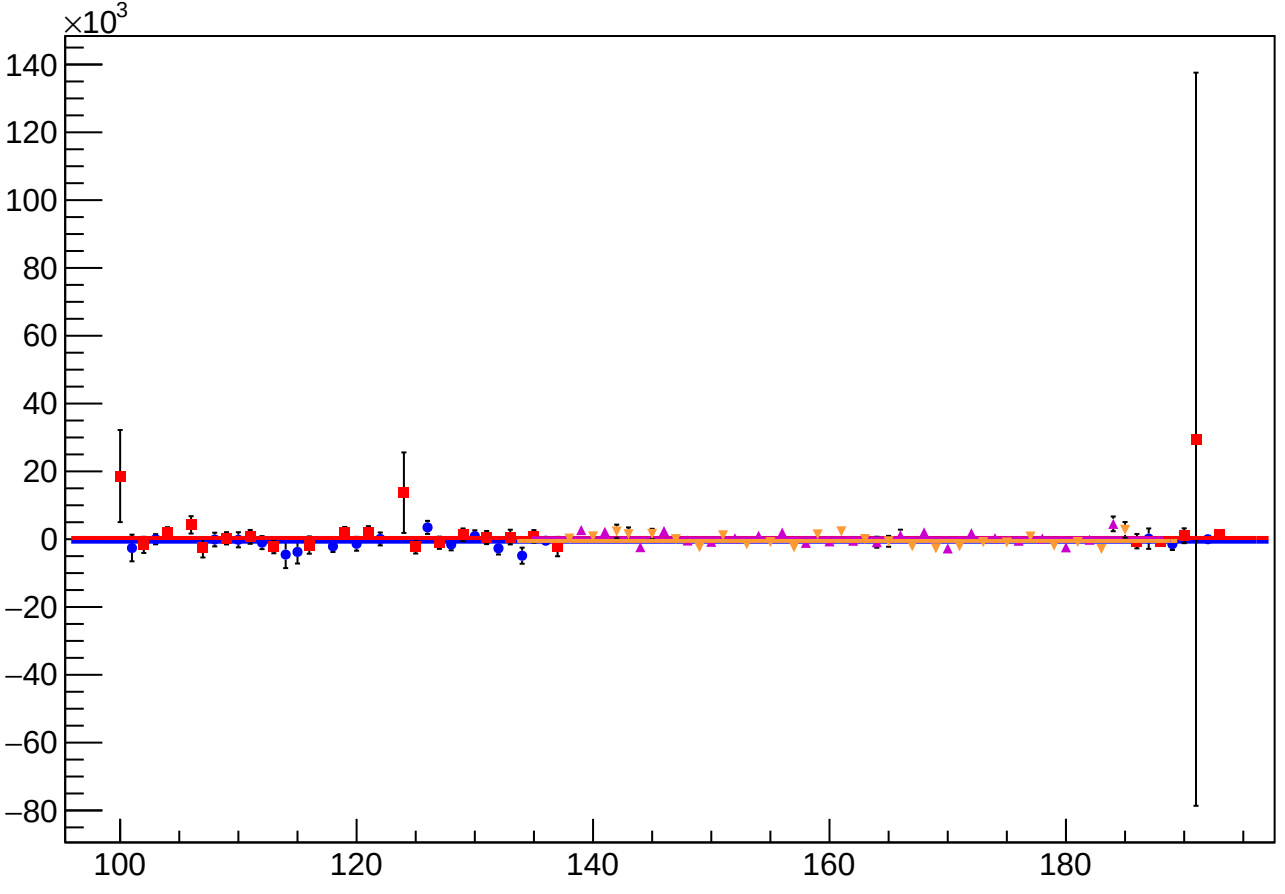
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10059165.4/43

All: 0.000+/-0.000 χ^2/NDF: 18643492.8/90

- sign 0.000+/-0.000 χ^2/NDF: 8386287.4/46

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: 360.661+/-420.095 χ^2/NDF: 17.0/23

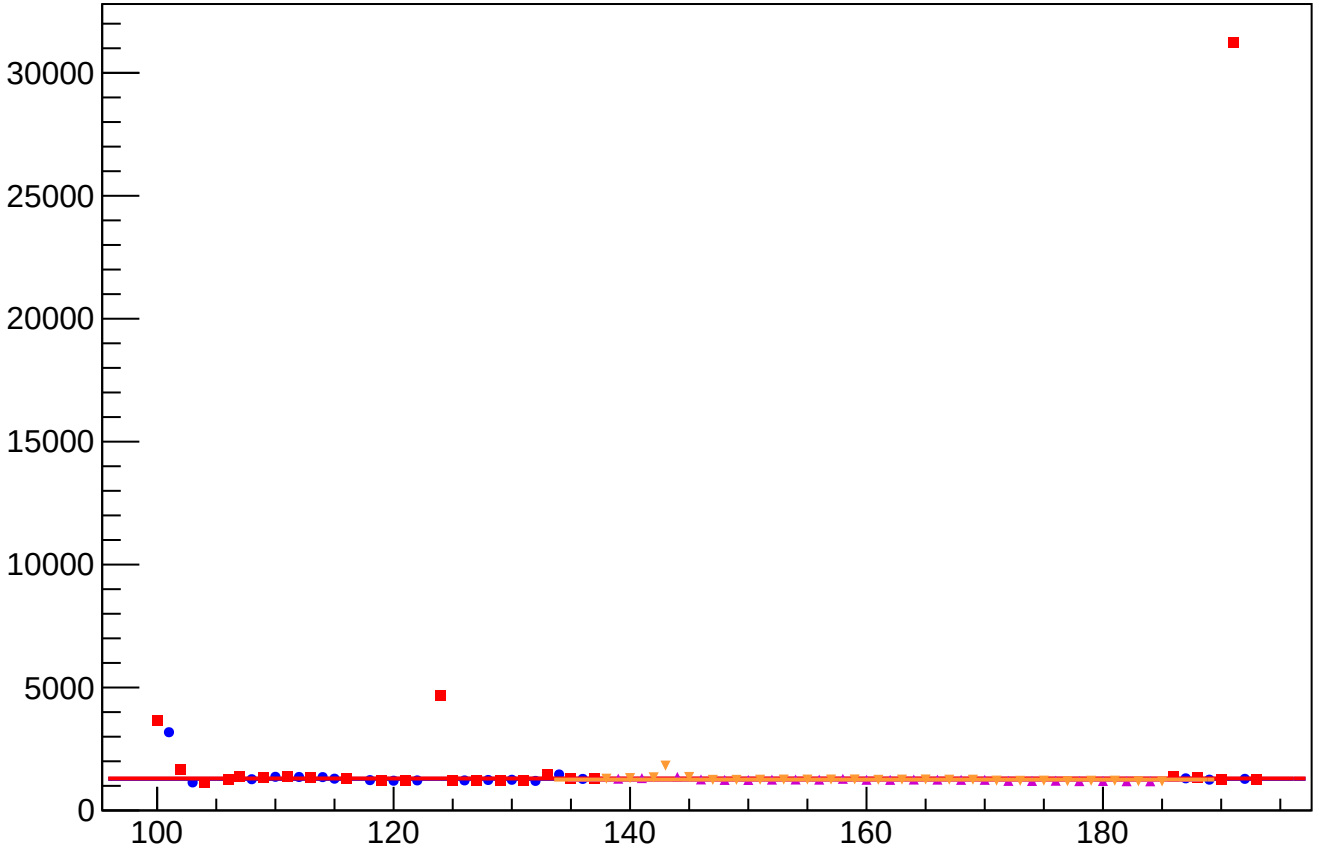
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -579.773+/-239.212 χ^2/NDF: 45.1/43

All: -149.571+/-169.182 χ^2/NDF: 100.7/90

- sign 280.969+/-239.306 χ^2/NDF: 49.1/46

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

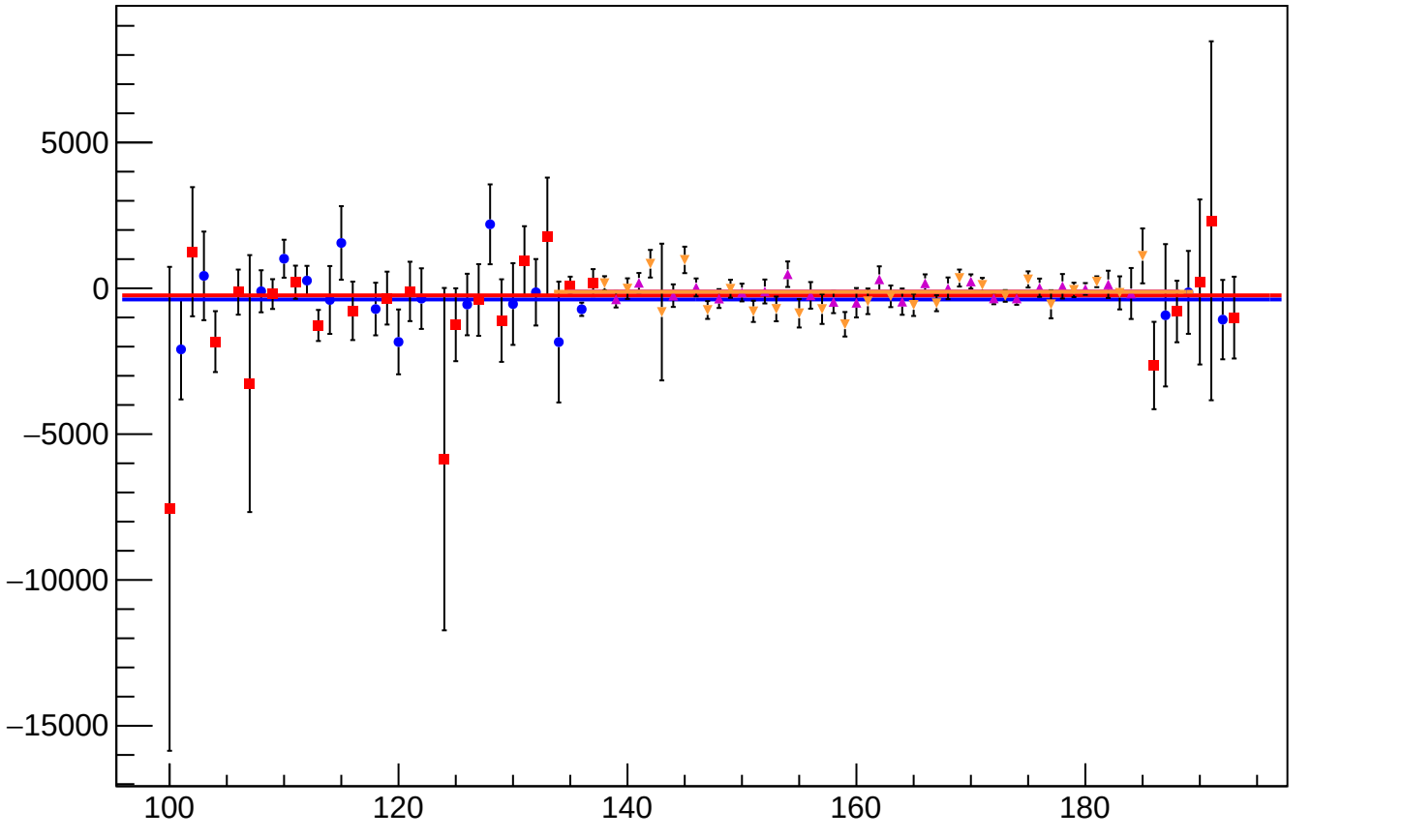
Right Out: 1300.885+/-0.297 χ^2/NDF: 488897.4/23

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.150+/-0.169 χ^2/NDF: 728154.0/43

All: 1264.100+/-0.120 χ^2/NDF: 1279672.2/90

- sign 1264.050+/-0.169 χ^2/NDF: 551518.0/46



Right In: -382.062+/-165.413 χ^2/NDF: 18.5/18

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

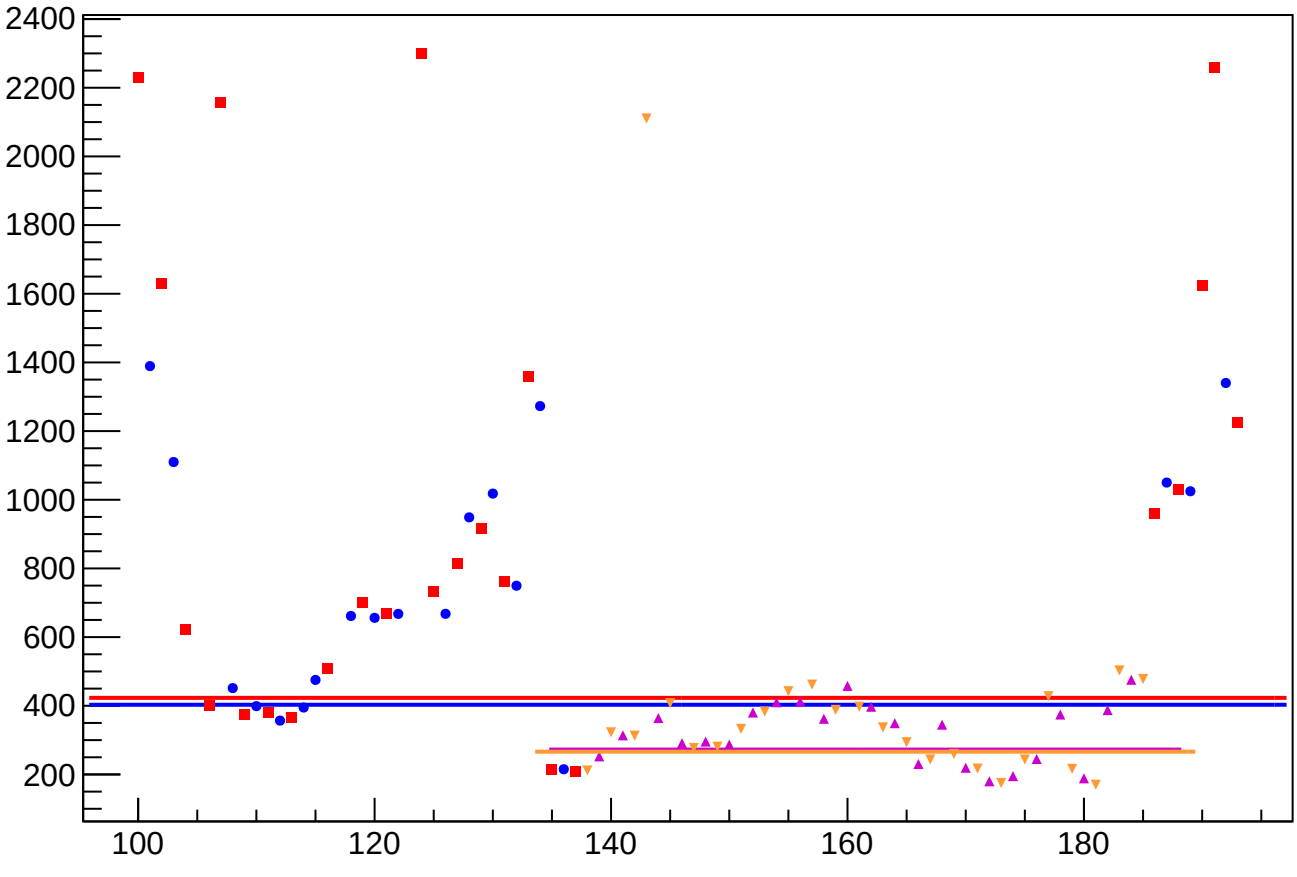
Right Out: -241.642+/-164.891 χ^2/NDF: 18.1/23

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -152.535+/-60.544 χ^2/NDF: 69.2/43

All: -139.780+/-43.341 χ^2/NDF: 101.6/90

- sign -126.373+/-62.072 χ^2/NDF: 32.4/46



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: 423.088+/-0.117 χ^2/NDF: 6278644.2/23

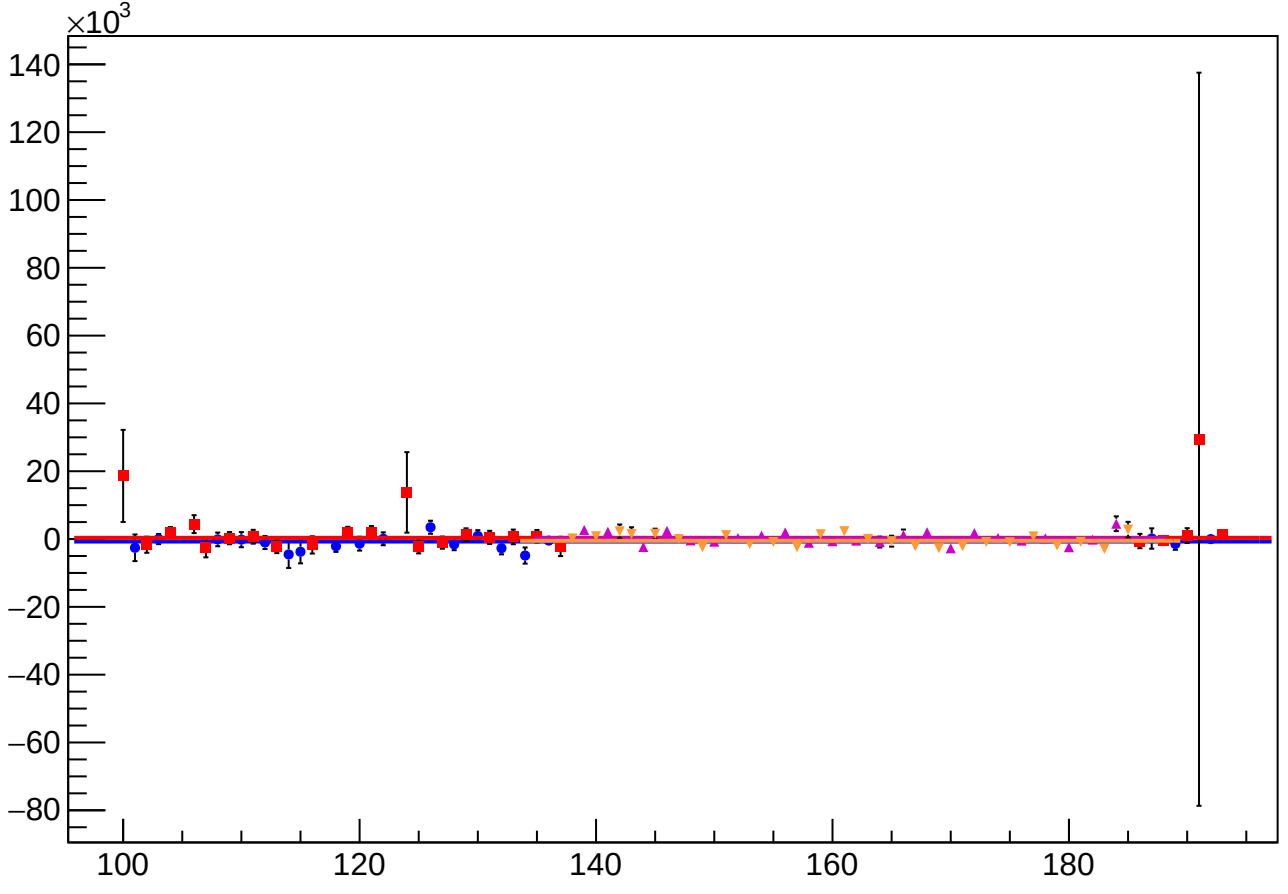
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 284.630+/-0.043 χ^2/NDF: 11522110.0/43

All: 289.065+/-0.031 χ^2/NDF: 22144812.6/90

- sign 293.727+/-0.044 χ^2/NDF: 10600689.3/46

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: 358.745+/-420.433 χ^2/NDF: 17.1/23

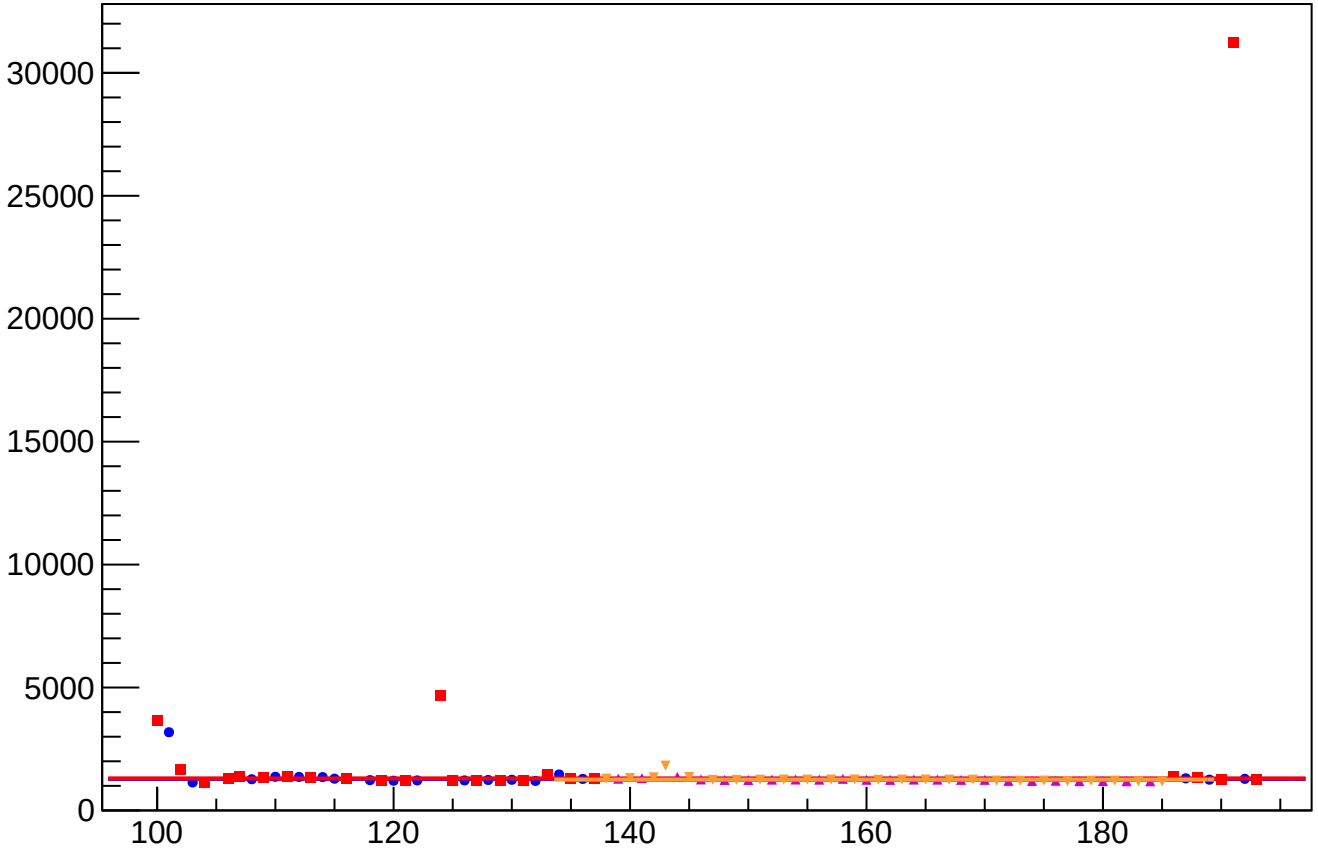
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -579.639+/-239.212 χ^2/NDF: 45.1/43

All: -149.955+/-169.204 χ^2/NDF: 100.7/90

- sign 280.290+/-239.369 χ^2/NDF: 49.2/46

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

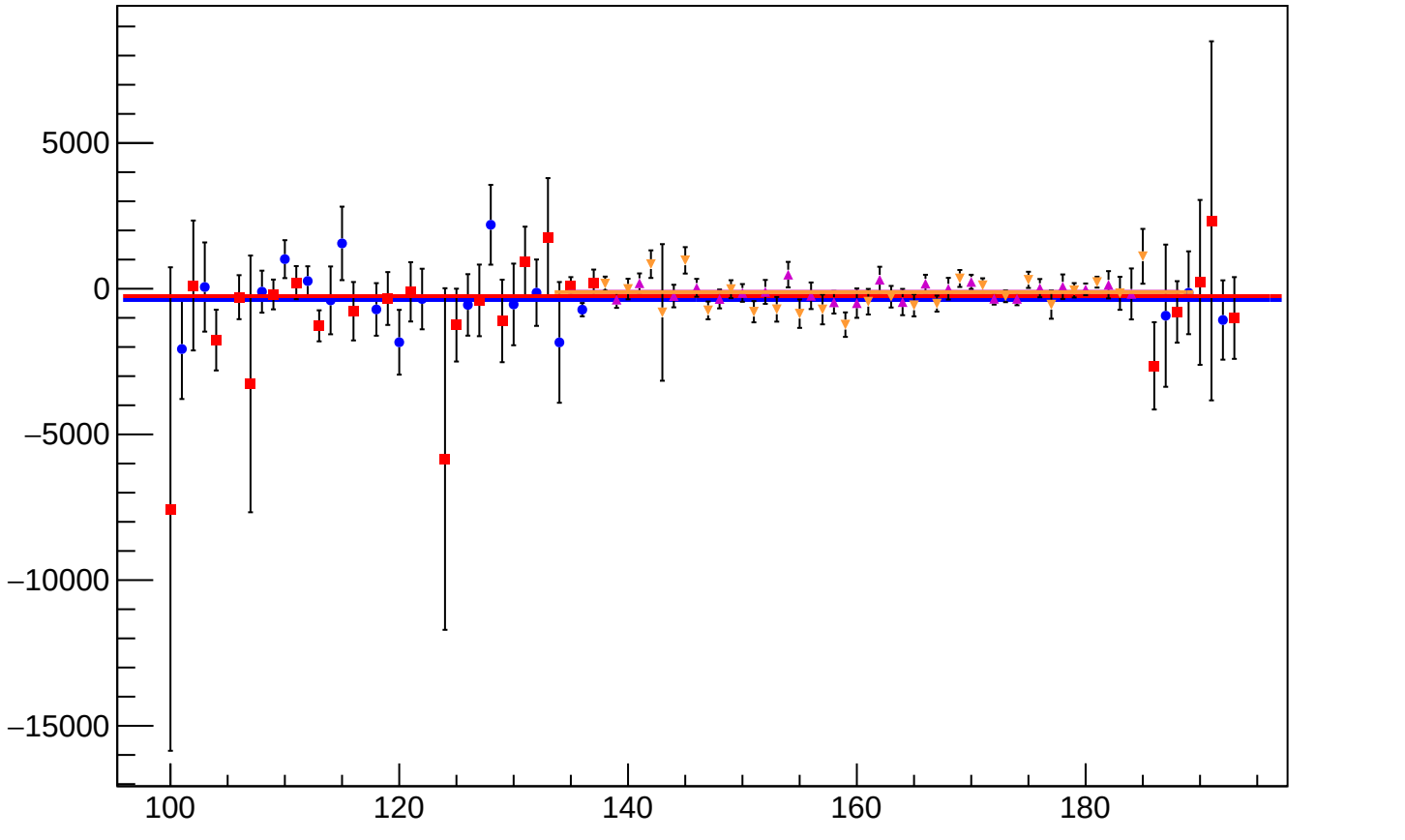
Right Out: 1301.977+/-0.297 χ^2/NDF: 488451.7/23

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.150+/-0.169 χ^2/NDF: 728155.3/43

All: 1264.267+/-0.120 χ^2/NDF: 1280124.1/90

- sign 1264.385+/-0.169 χ^2/NDF: 551967.8/46



Right In: -386.362+/-165.432 χ^2/NDF: 18.3/18

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

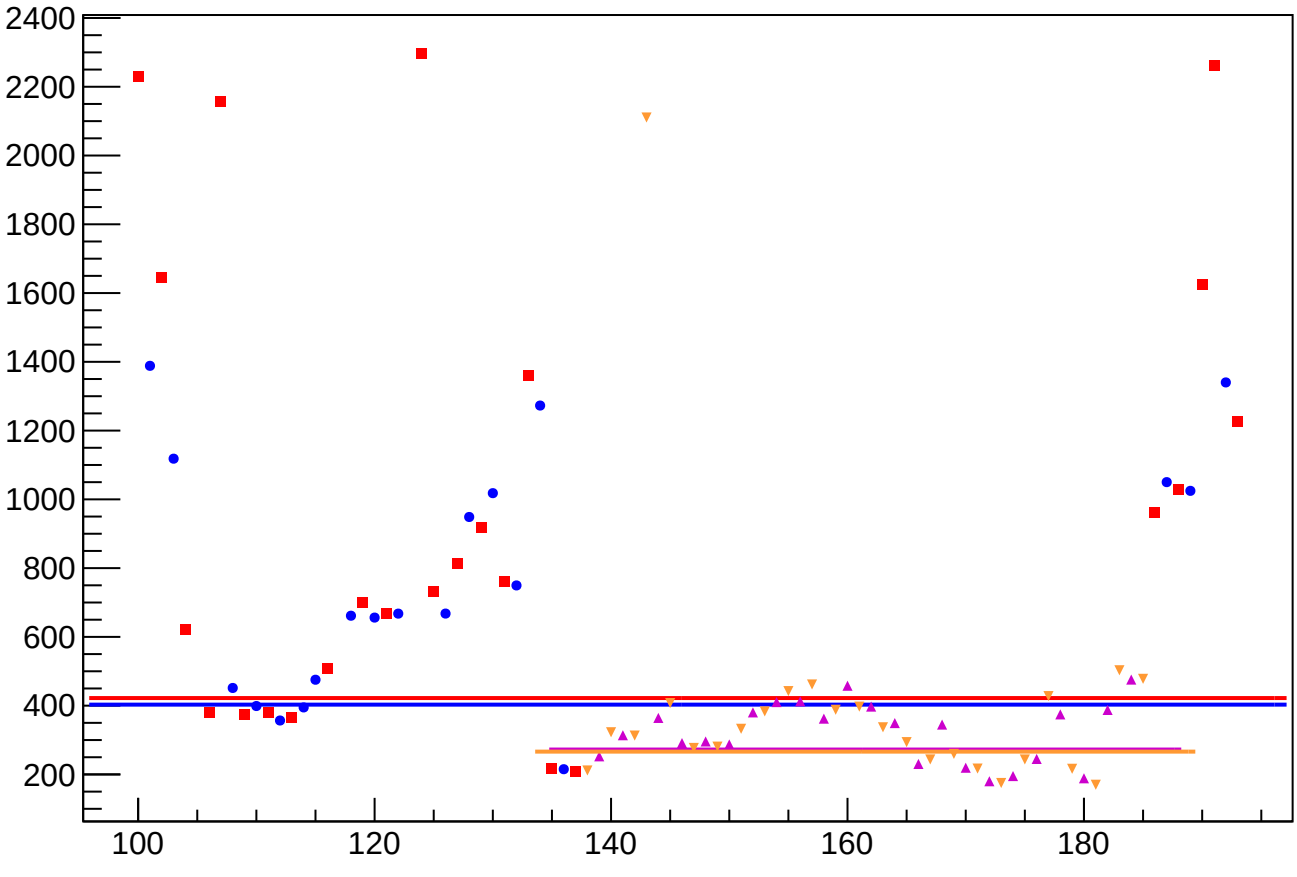
Right Out: -254.007+/-164.709 χ^2/NDF: 17.4/23

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -153.082+/-60.546 χ^2/NDF: 69.0/43

All: -140.982+/-43.339 χ^2/NDF: 101.0/90

- sign -128.267+/-62.064 χ^2/NDF: 31.9/46



Right In: 402.982+/-0.117 χ^2/NDF: 5712832.6/18

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

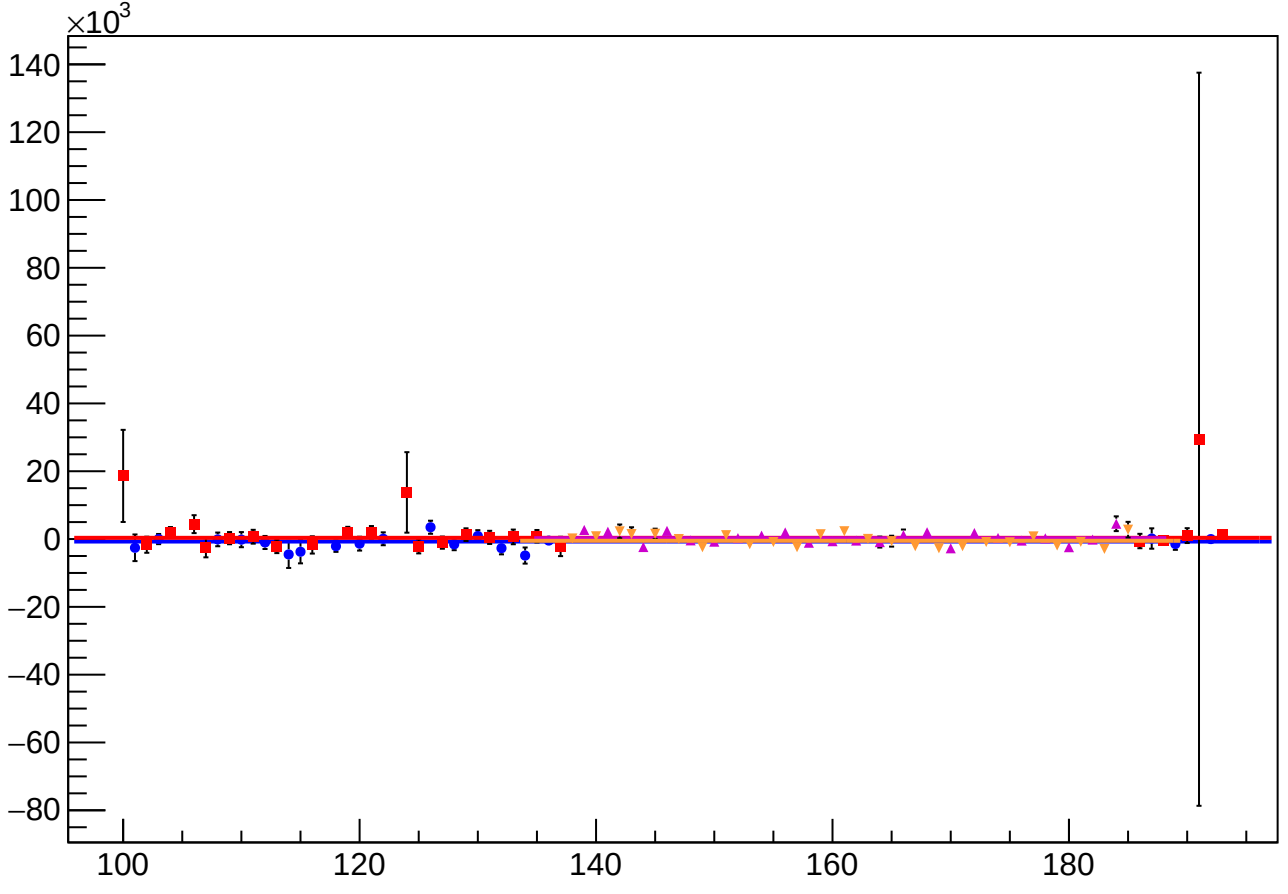
Right Out: 422.112+/-0.116 χ^2/NDF: 6289742.3/23

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 284.631+/-0.043 χ^2/NDF: 11524932.4/43

All: 289.023+/-0.031 χ^2/NDF: 22142044.8/90

- sign 293.638+/-0.044 χ^2/NDF: 10595531.9/46



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: 358.745+/-420.433 χ^2/NDF: 17.1/23

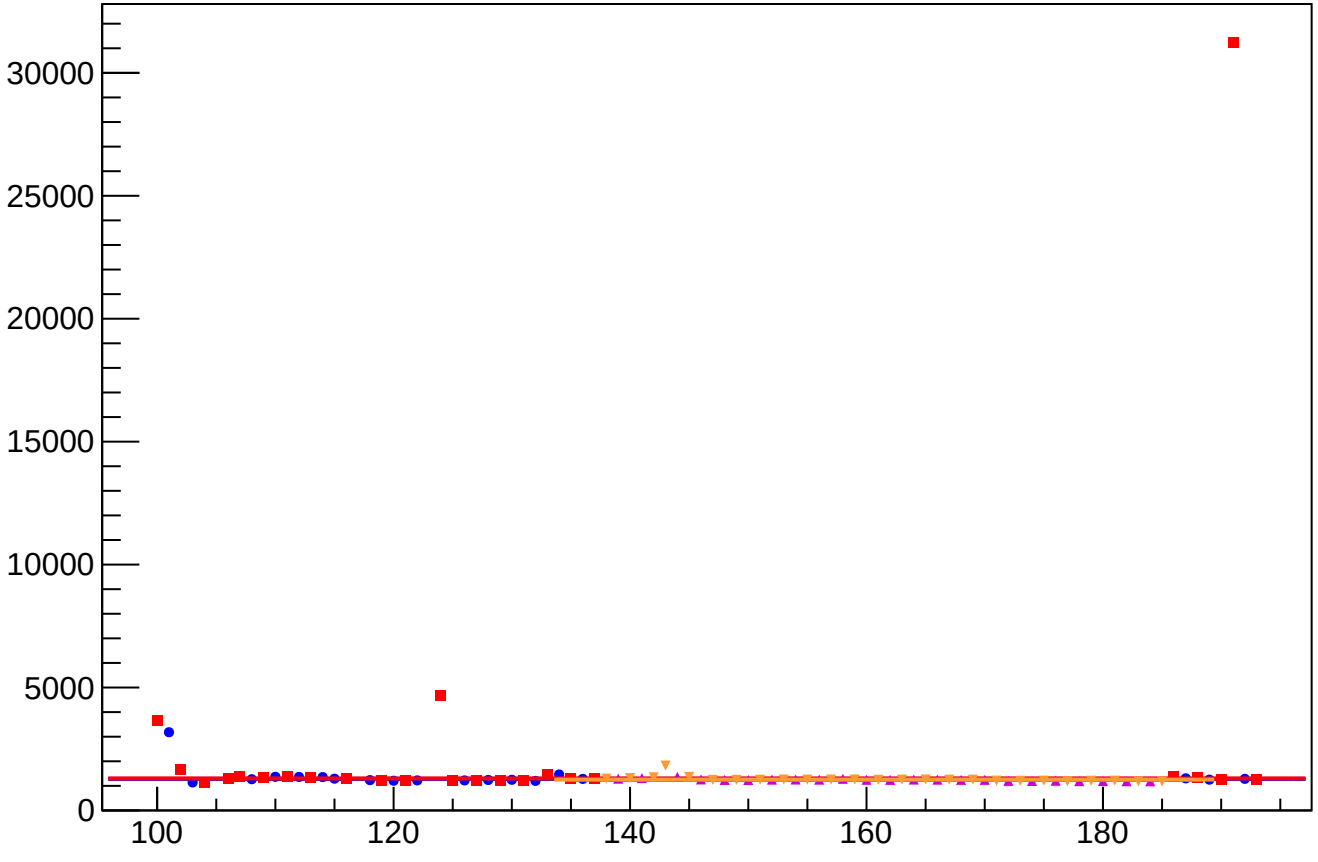
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -579.639+/-239.212 χ^2/NDF: 45.1/43

All: -149.955+/-169.204 χ^2/NDF: 100.7/90

- sign 280.290+/-239.369 χ^2/NDF: 49.2/46

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

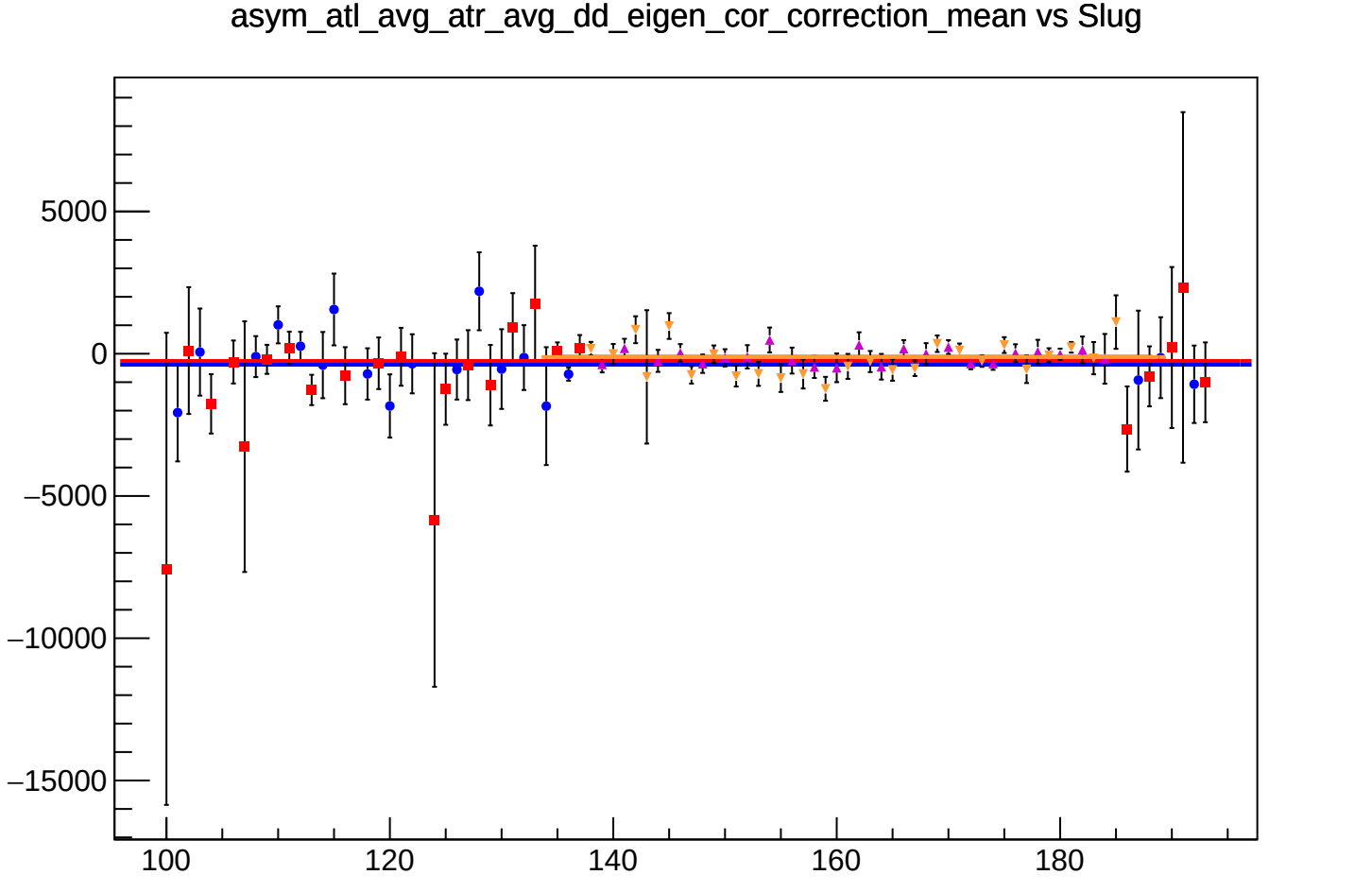
Right Out: 1301.977+/-0.297 χ^2/NDF: 488451.7/23

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

\+ sign 1264.150+/-0.169 χ^2/NDF: 728155.3/43

All: 1264.267+/-0.120 χ^2/NDF: 1280124.1/90

\- sign 1264.385+/-0.169 χ^2/NDF: 551967.8/46



Right In: -386.362+/-165.432 χ^2/NDF: 18.3/18

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

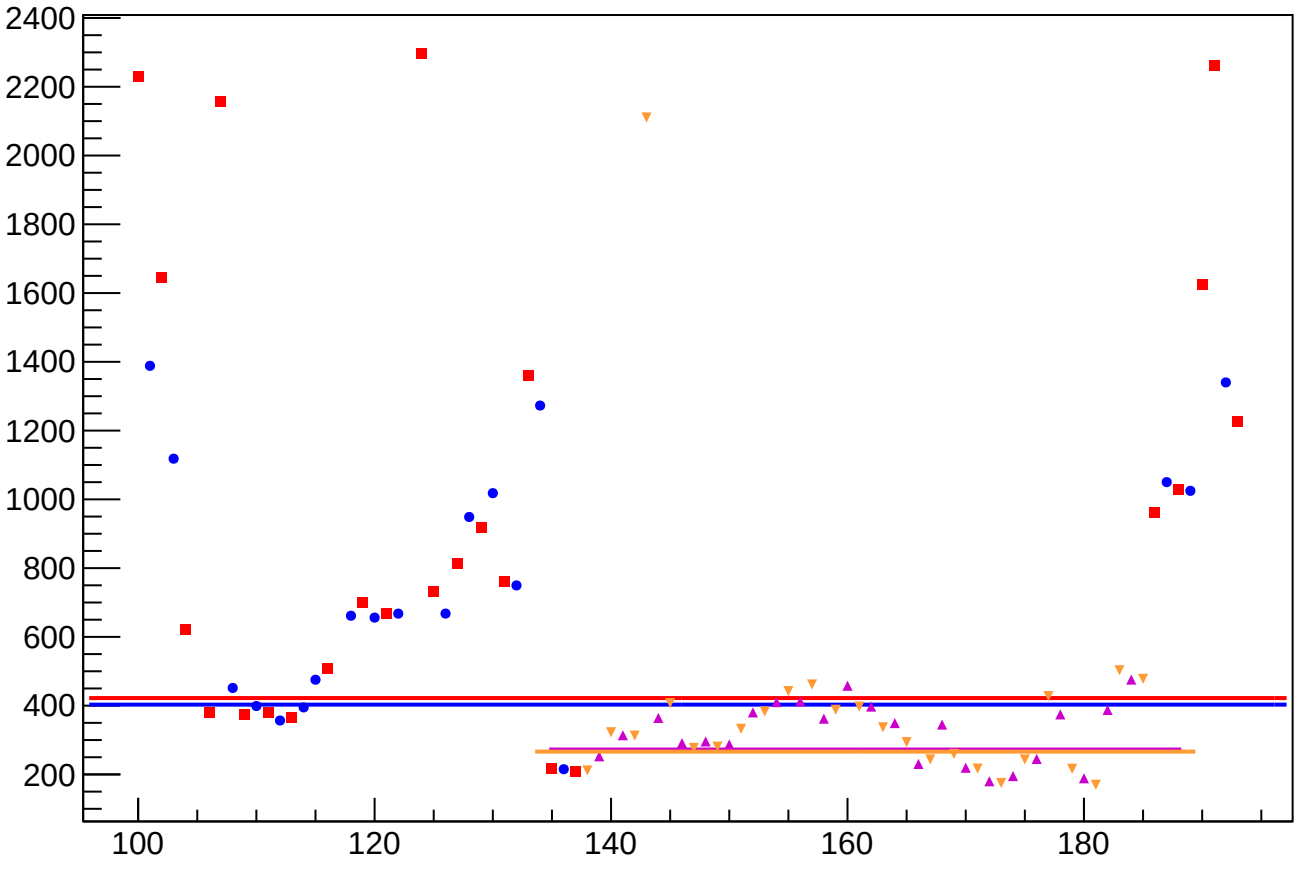
Right Out: -254.007+/-164.709 χ^2/NDF: 17.4/23

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -153.082+/-60.546 χ^2/NDF: 69.0/43

All: -140.982+/-43.339 χ^2/NDF: 101.0/90

- sign -128.267+/-62.064 χ^2/NDF: 31.9/46



Right In: 402.982+/-0.117 χ^2/NDF: 5712832.6/18

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

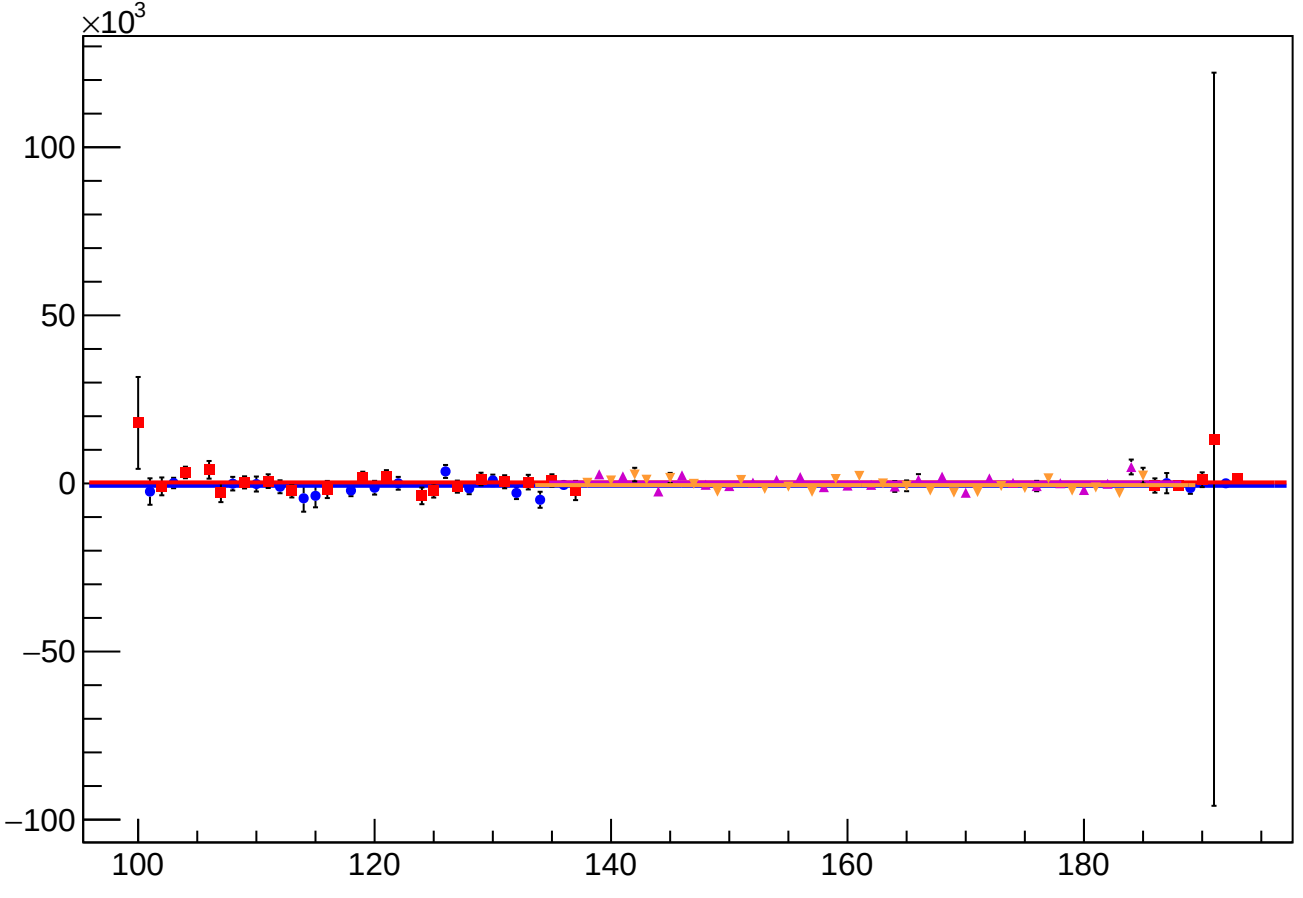
Right Out: 422.112+/-0.116 χ^2/NDF: 6289742.3/23

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

\+ sign 284.631+/-0.043 χ^2/NDF: 11524932.4/43

All: 289.023+/-0.031 χ^2/NDF: 22142044.8/90

\- sign 293.638+/-0.044 χ^2/NDF: 10595531.9/46



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: 308.820+/-418.156 χ^2/NDF: 19.1/23

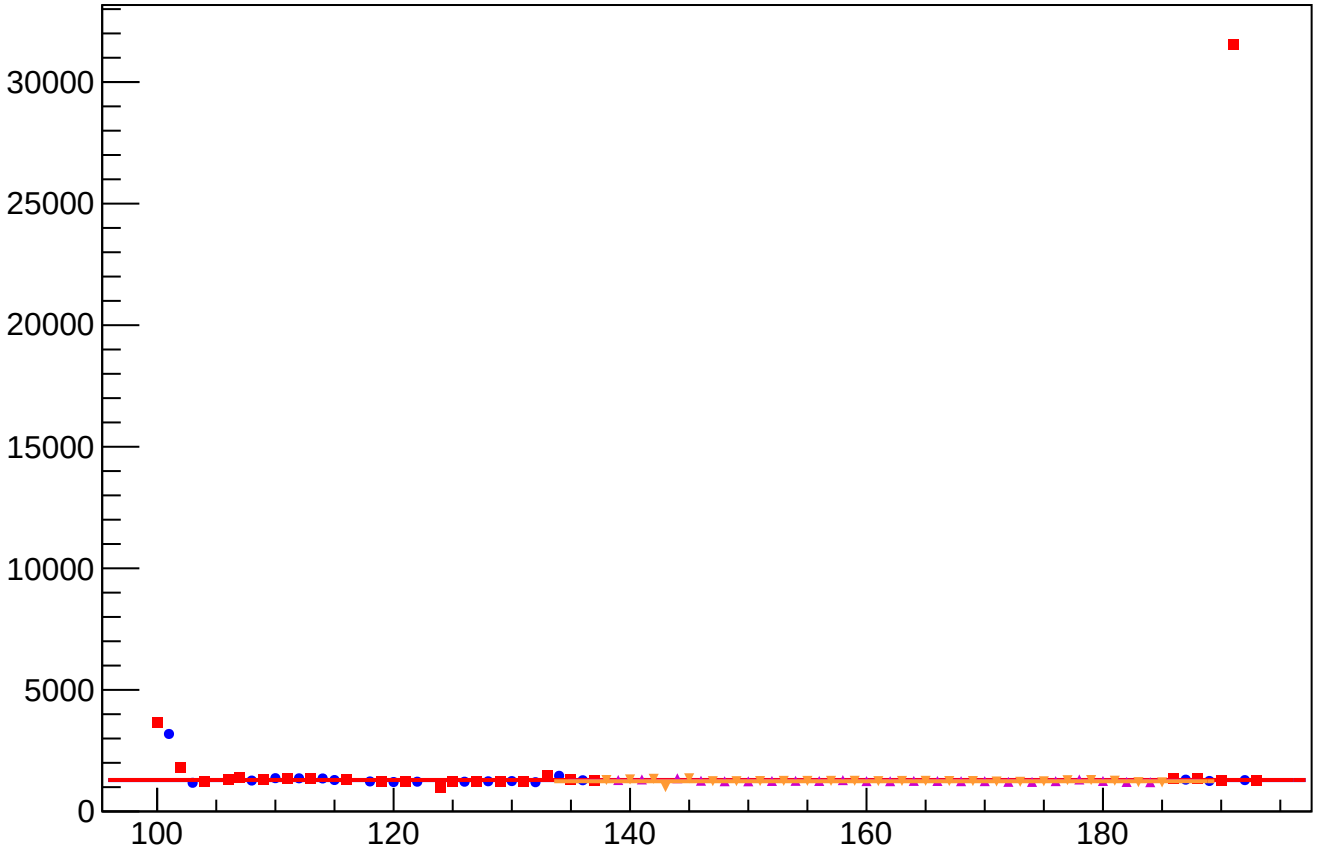
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -554.312+/-237.603 χ^2/NDF: 48.5/43

All: -150.369+/-169.092 χ^2/NDF: 104.2/90

- sign 264.141+/-240.691 χ^2/NDF: 49.9/46

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

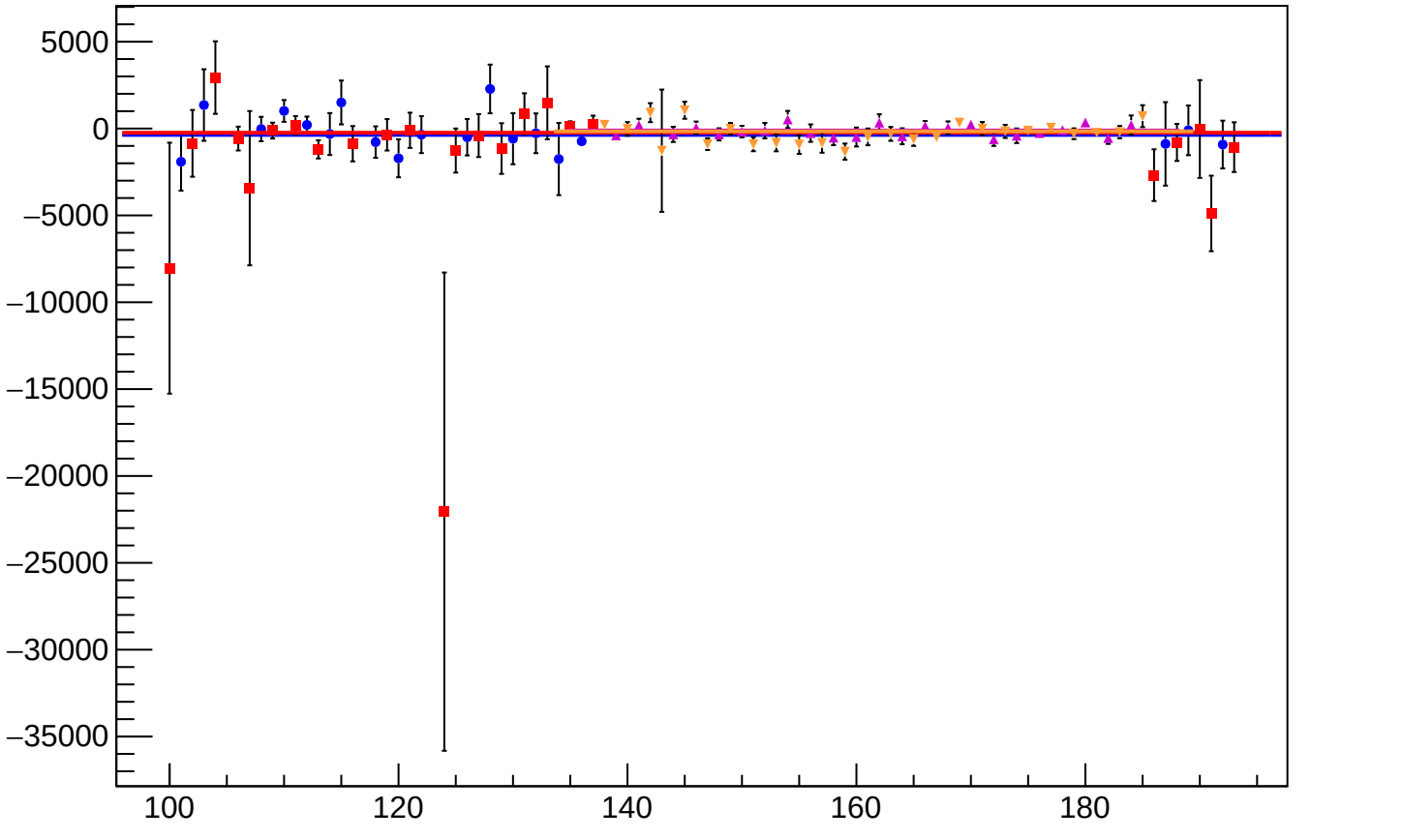
Right Out: 1295.251+/-0.296 χ^2/NDF: 371849.2/23

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1256.377+/-0.168 χ^2/NDF: 656691.9/43

All: 1263.960+/-0.120 χ^2/NDF: 1070054.9/90

- sign 1271.742+/-0.170 χ^2/NDF: 409235.2/46



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: -242.906+/-164.626 χ^2/NDF: 24.0/23

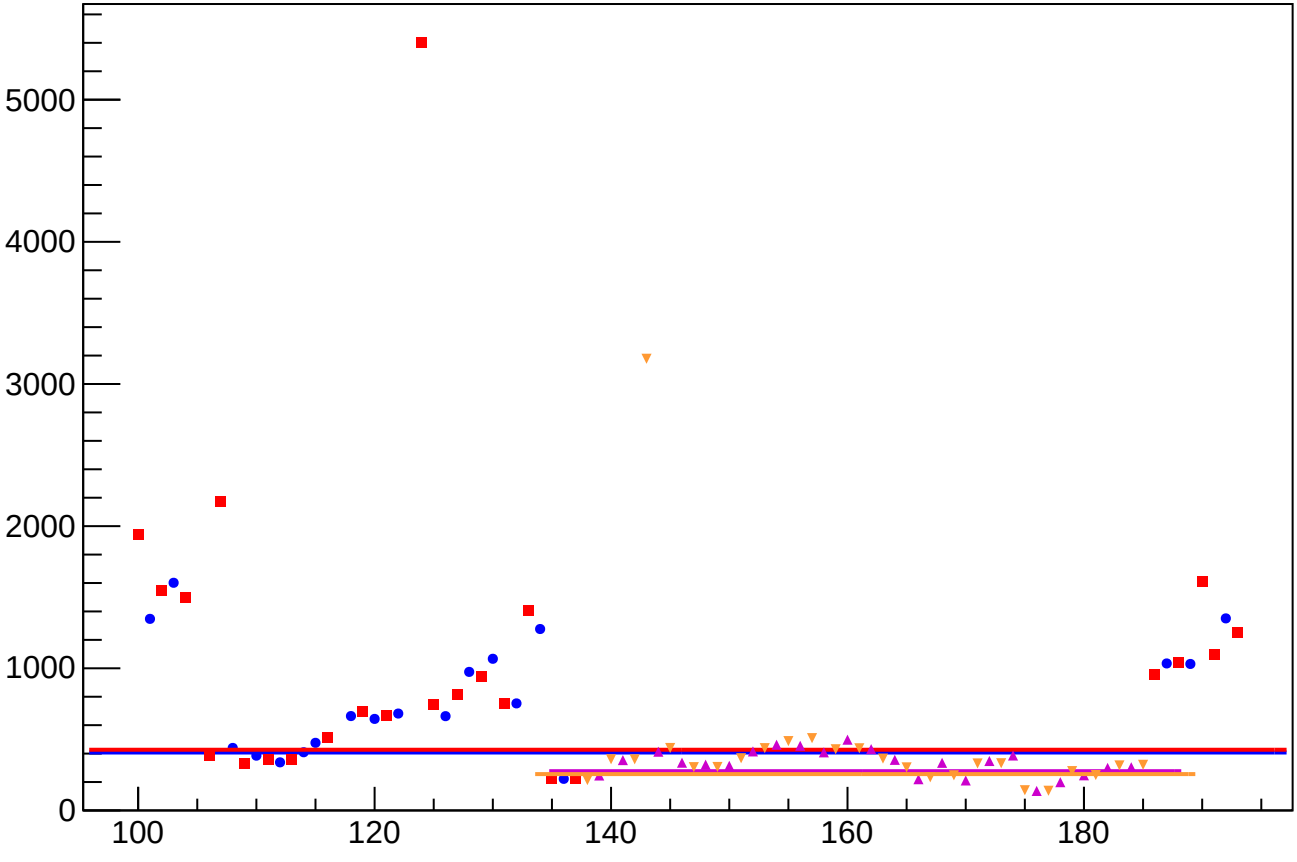
Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -186.830+/-59.875 χ^2/NDF: 63.7/43

All: -161.476+/-43.567 χ^2/NDF: 106.8/90

- sign -132.949+/-63.511 χ^2/NDF: 42.7/46

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



Right In: 407.678+/-0.118 χ^2/NDF: 5821860.0/18

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

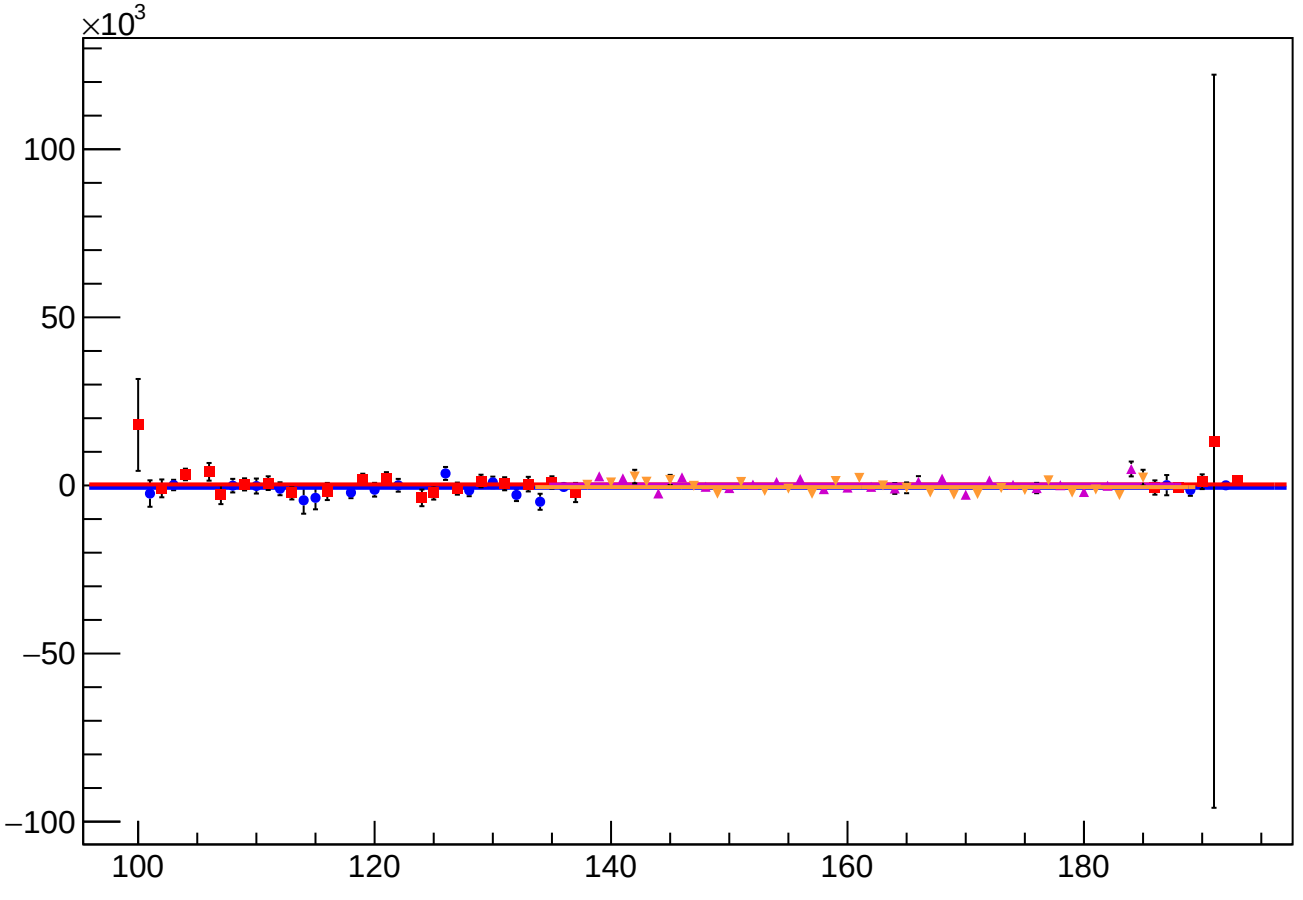
Right Out: 427.064+/-0.116 χ^2/NDF: 6809021.4/23

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 275.267+/-0.042 χ^2/NDF: 13636154.2/43

All: 286.311+/-0.031 χ^2/NDF: 26044931.3/90

- sign 298.738+/-0.045 χ^2/NDF: 12264172.8/46



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: 308.820+/-418.156 χ^2/NDF: 19.1/23

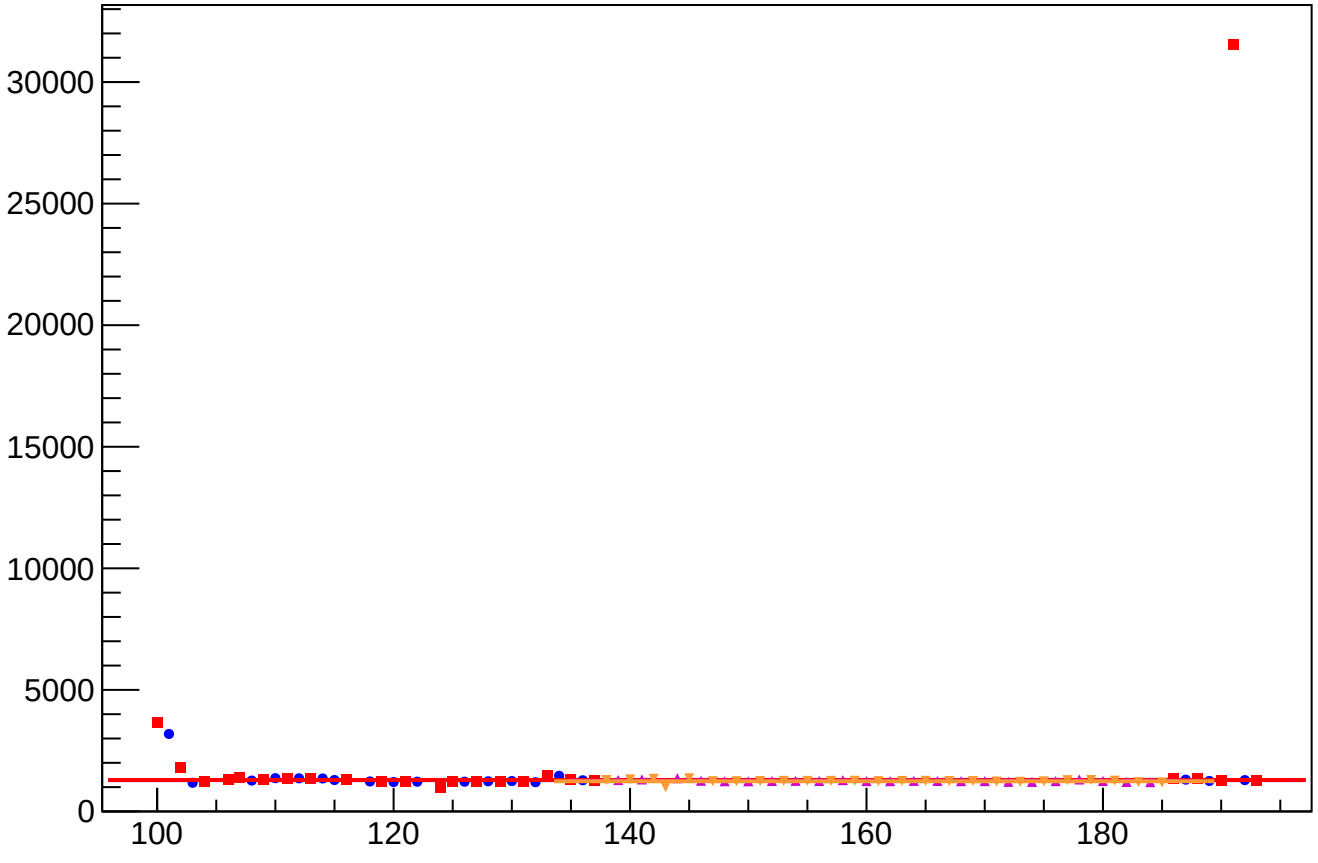
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -554.312+/-237.603 χ^2/NDF: 48.5/43

All: -150.369+/-169.092 χ^2/NDF: 104.2/90

- sign 264.141+/-240.691 χ^2/NDF: 49.9/46

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

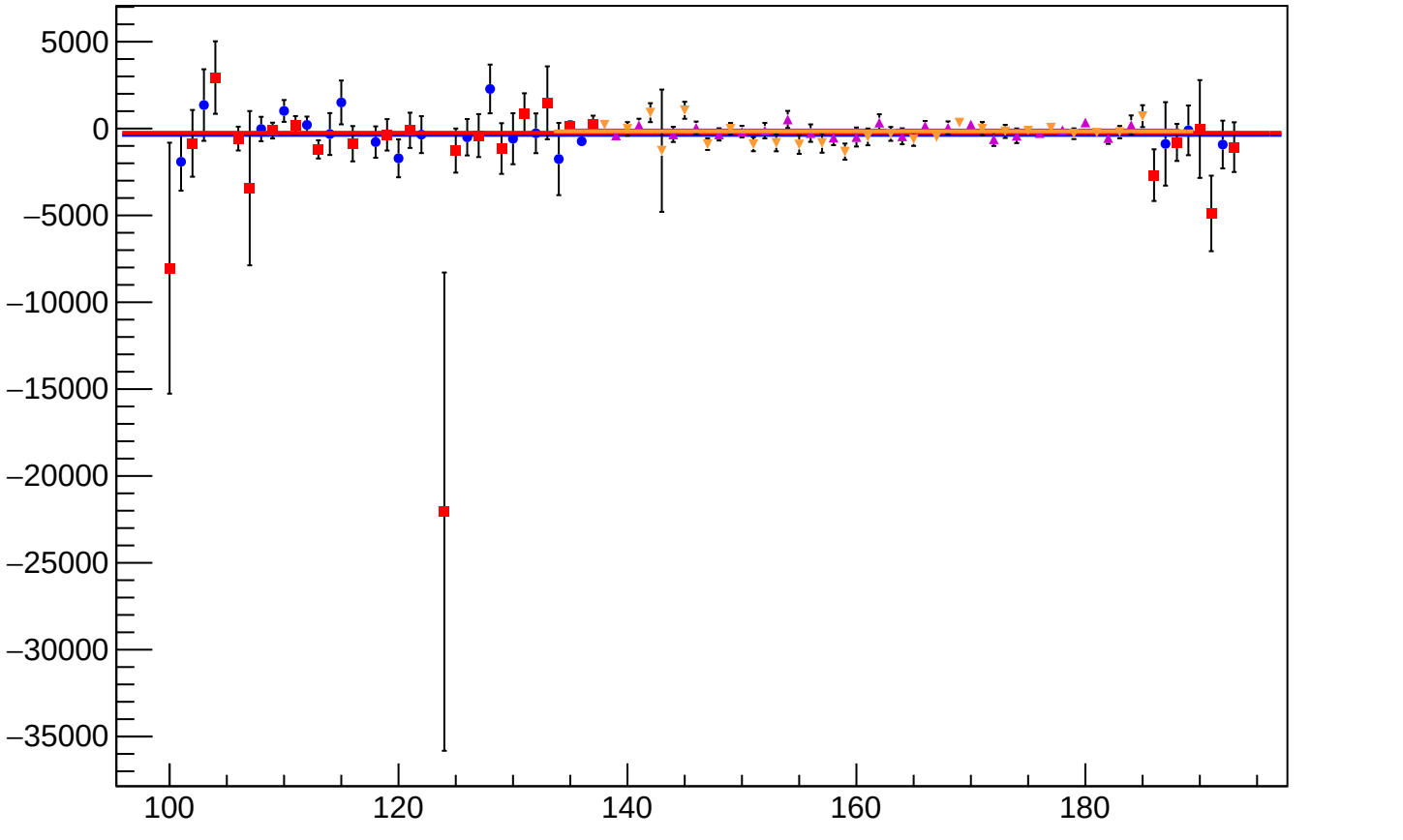
Right Out: 1295.251+/-0.296 χ^2/NDF: 371849.5/23

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1256.377+/-0.168 χ^2/NDF: 656691.0/43

All: 1263.960+/-0.120 χ^2/NDF: 1070054.3/90

- sign 1271.742+/-0.170 χ^2/NDF: 409235.5/46



Right In: -362.710+/-167.125 χ^2/NDF: 18.7/18

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

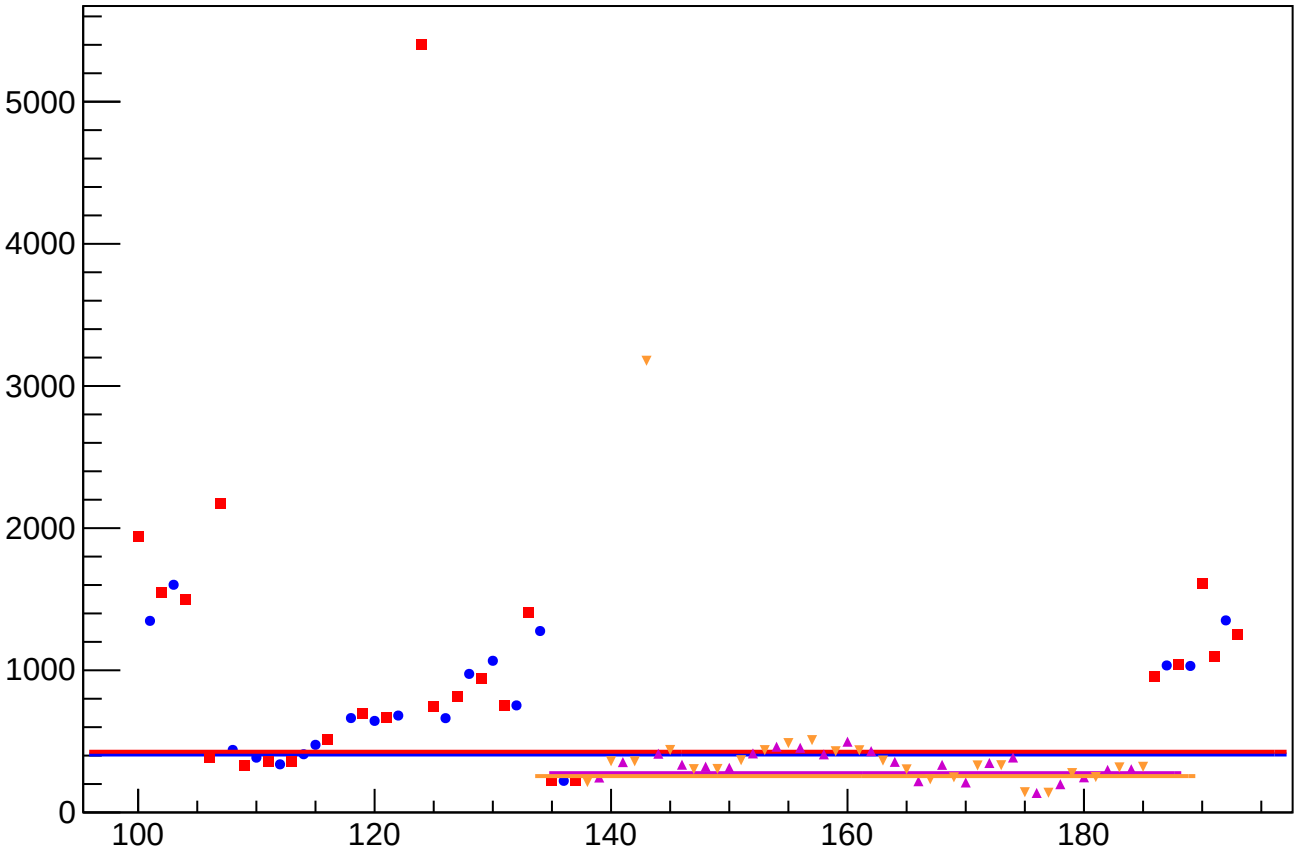
Right Out: -242.914+/-164.628 χ^2/NDF: 24.0/23

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -186.833+/-59.876 χ^2/NDF: 63.7/43

All: -161.477+/-43.567 χ^2/NDF: 106.8/90

- sign -132.948+/-63.512 χ^2/NDF: 42.7/46



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: 427.072+/-0.116 χ^2/NDF: 6808826.6/23

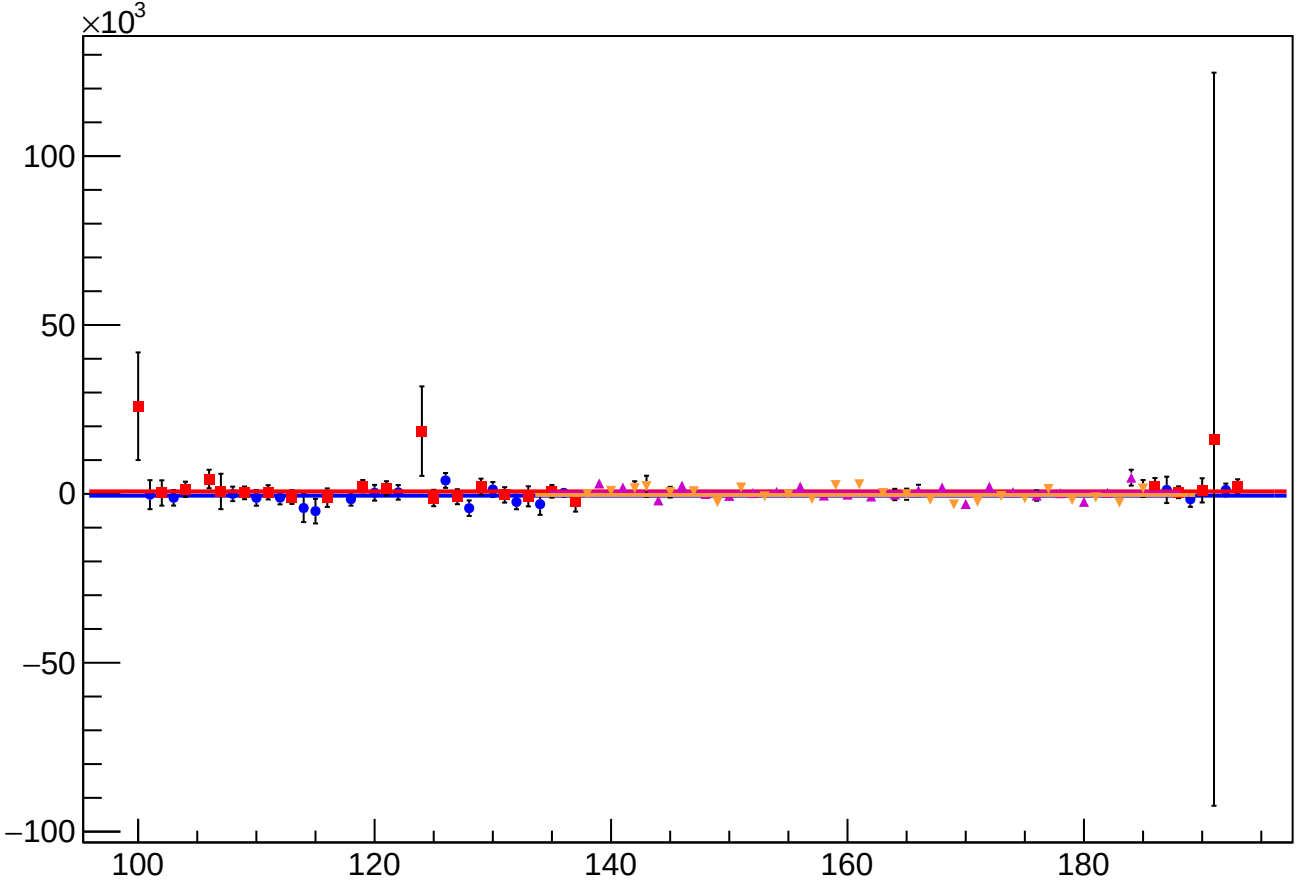
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 275.269+/-0.042 χ^2/NDF: 13635963.2/43

All: 286.313+/-0.031 χ^2/NDF: 26044615.8/90

- sign 298.739+/-0.045 χ^2/NDF: 12264059.4/46

asym_atl_avg_atr_avg_dd_mean vs Slug



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: 735.341+/-505.684 χ^2/NDF: 12.3/23

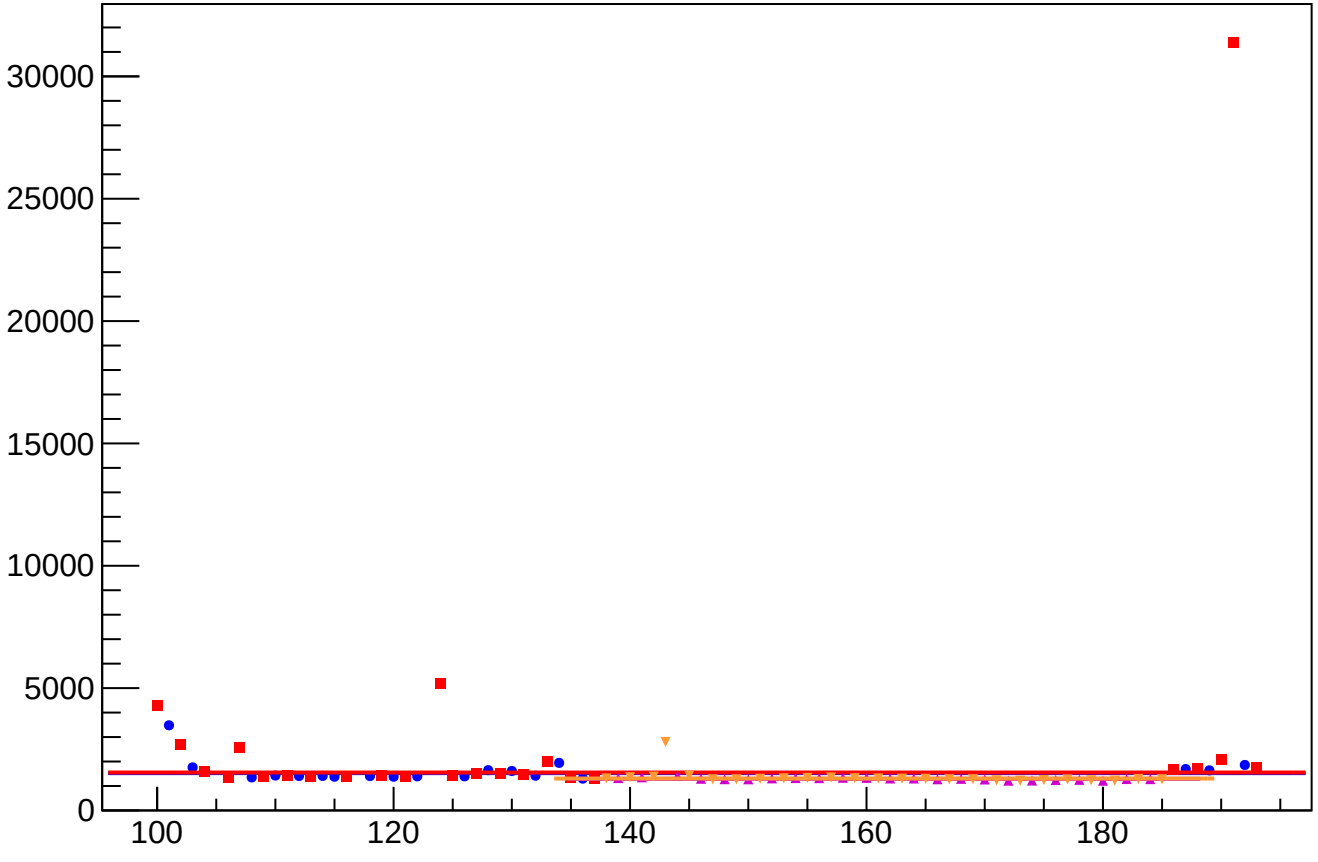
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

\+ sign -369.552+/-258.866 χ^2/NDF: 45.4/43

All: 42.644+/-183.171 χ^2/NDF: 92.9/90

\- sign 455.965+/-259.220 χ^2/NDF: 42.4/46

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

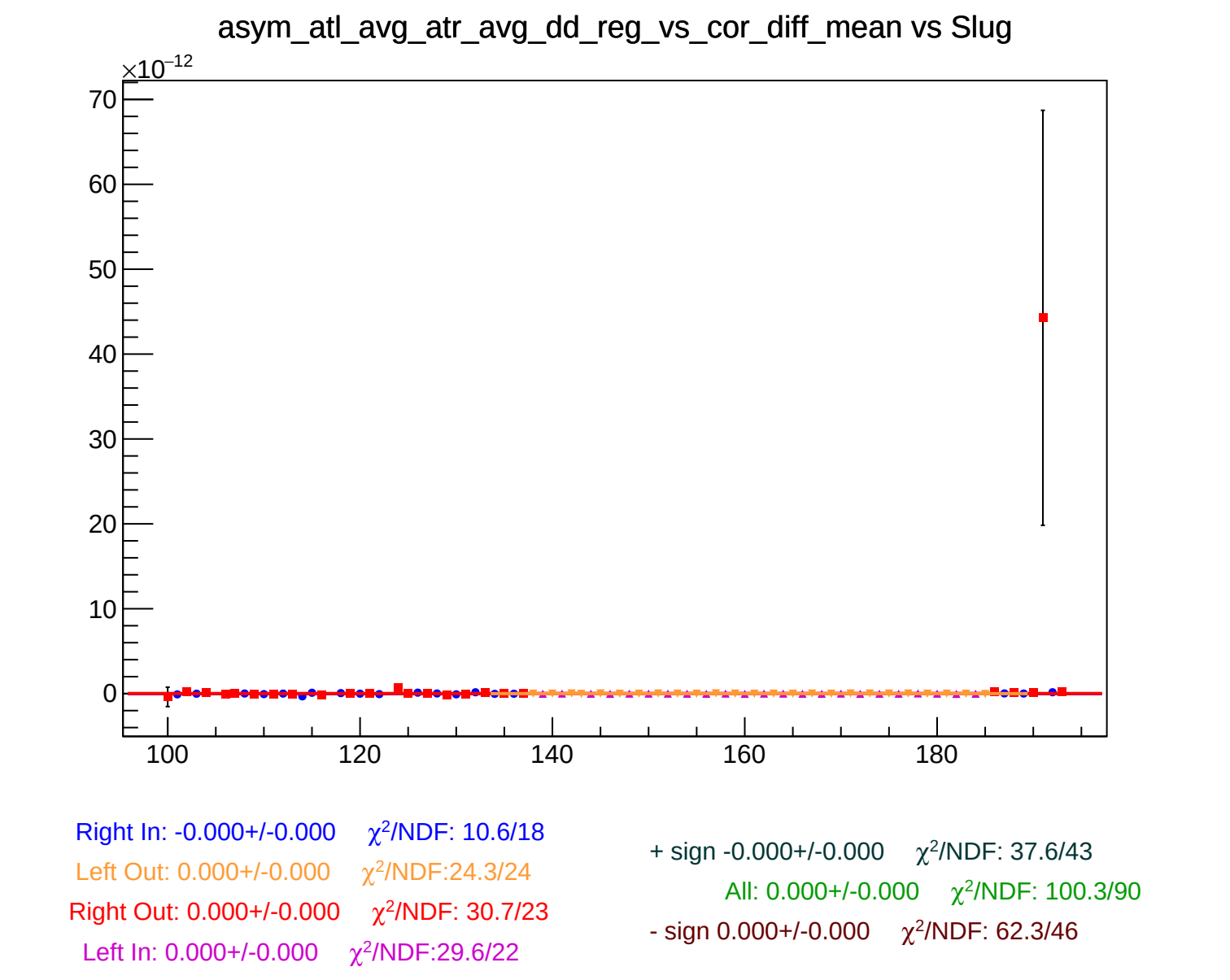
Right Out: 1550.443+/-0.358 χ^2/NDF: 880301.0/23

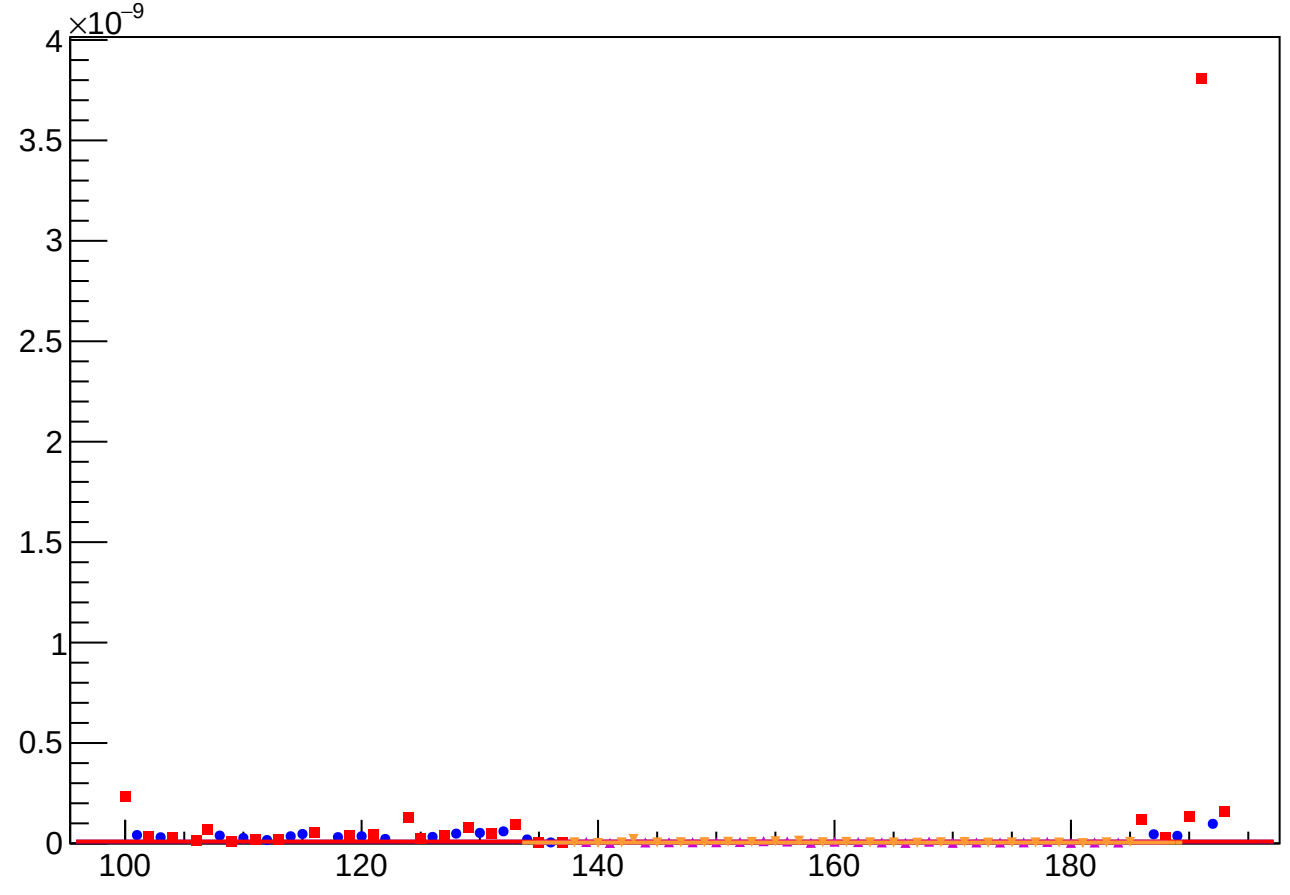
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1358.846+/-0.183 χ^2/NDF: 1458014.6/43

All: 1359.423+/-0.130 χ^2/NDF: 2771440.4/90

- sign 1360.002+/-0.183 χ^2/NDF: 1313405.9/46


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: 30.7/23
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: 100.3/90
- sign 0.000+/-0.000 χ²/NDF: 62.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 3883043.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

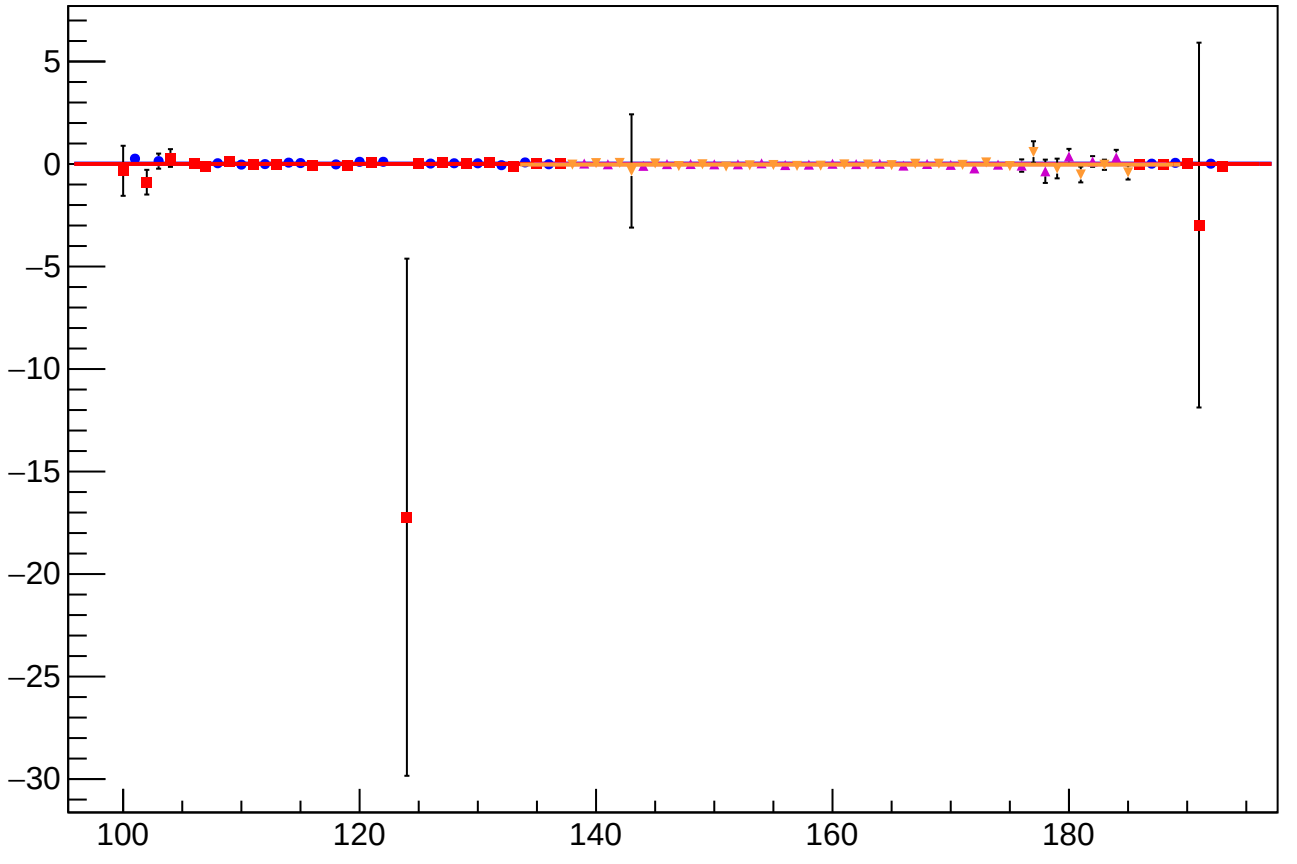
Right Out: 0.000+/-0.000 χ^2/NDF: 5109889.1/23

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: 14840535.8/90

- sign 0.000+/-0.000 χ^2/NDF: 7588173.7/46



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: 0.004+/-0.014 χ^2/NDF: 20.0/23

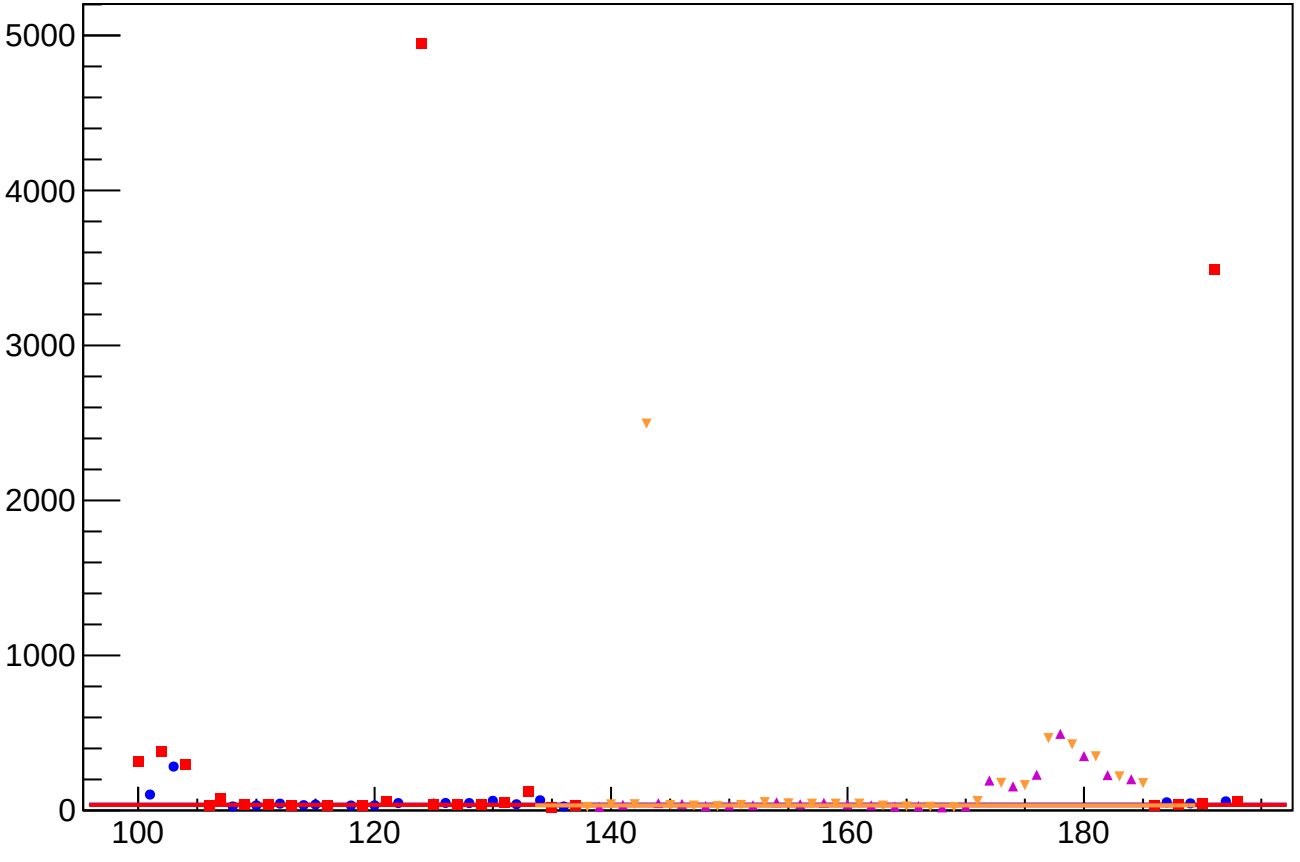
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.010+/-0.006 χ^2/NDF: 81.5/90

- sign -0.006+/-0.008 χ^2/NDF: 34.0/46

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

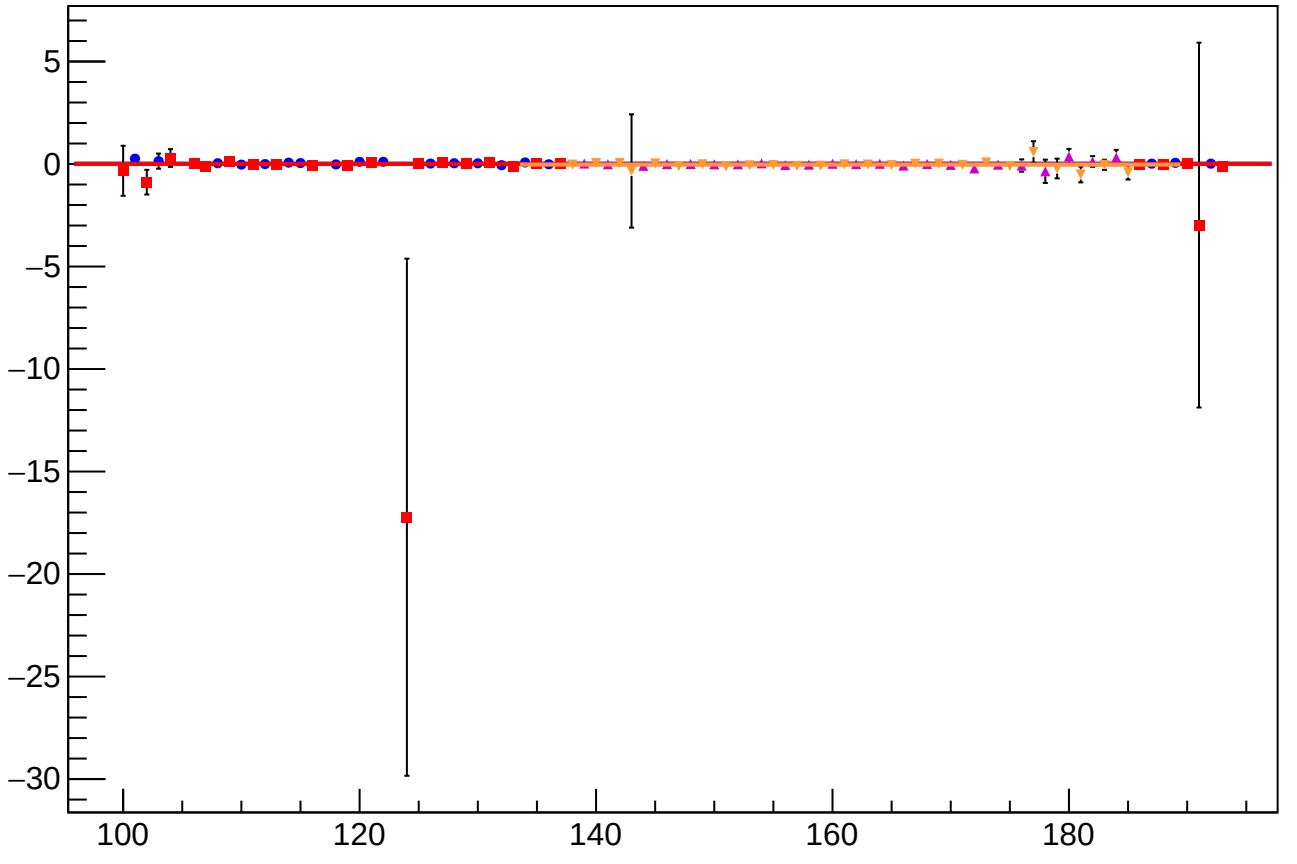
Right Out: 35.858+/-0.010 χ^2/NDF: 3514036.7/23

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576693.3/43

All: 33.887+/-0.004 χ^2/NDF: 26125682.7/90

- sign 33.760+/-0.006 χ^2/NDF: 12547893.9/46



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

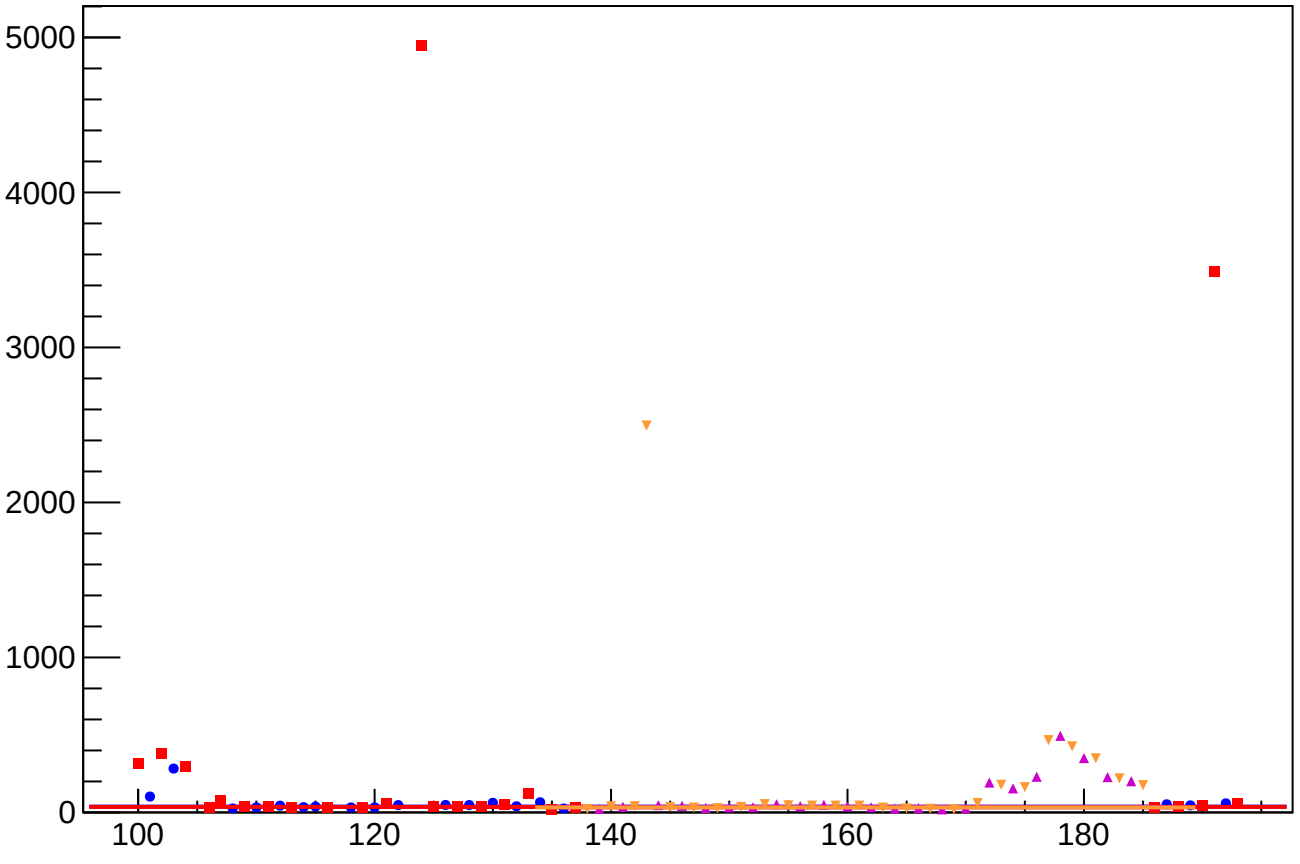
Right Out: 0.004+/-0.014 χ^2/NDF: 20.0/23

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.010+/-0.006 χ^2/NDF: 81.5/90

- sign -0.006+/-0.008 χ^2/NDF: 34.0/46



Right In: 37.488+/-0.010 χ^2/NDF: 2544712.0/18

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

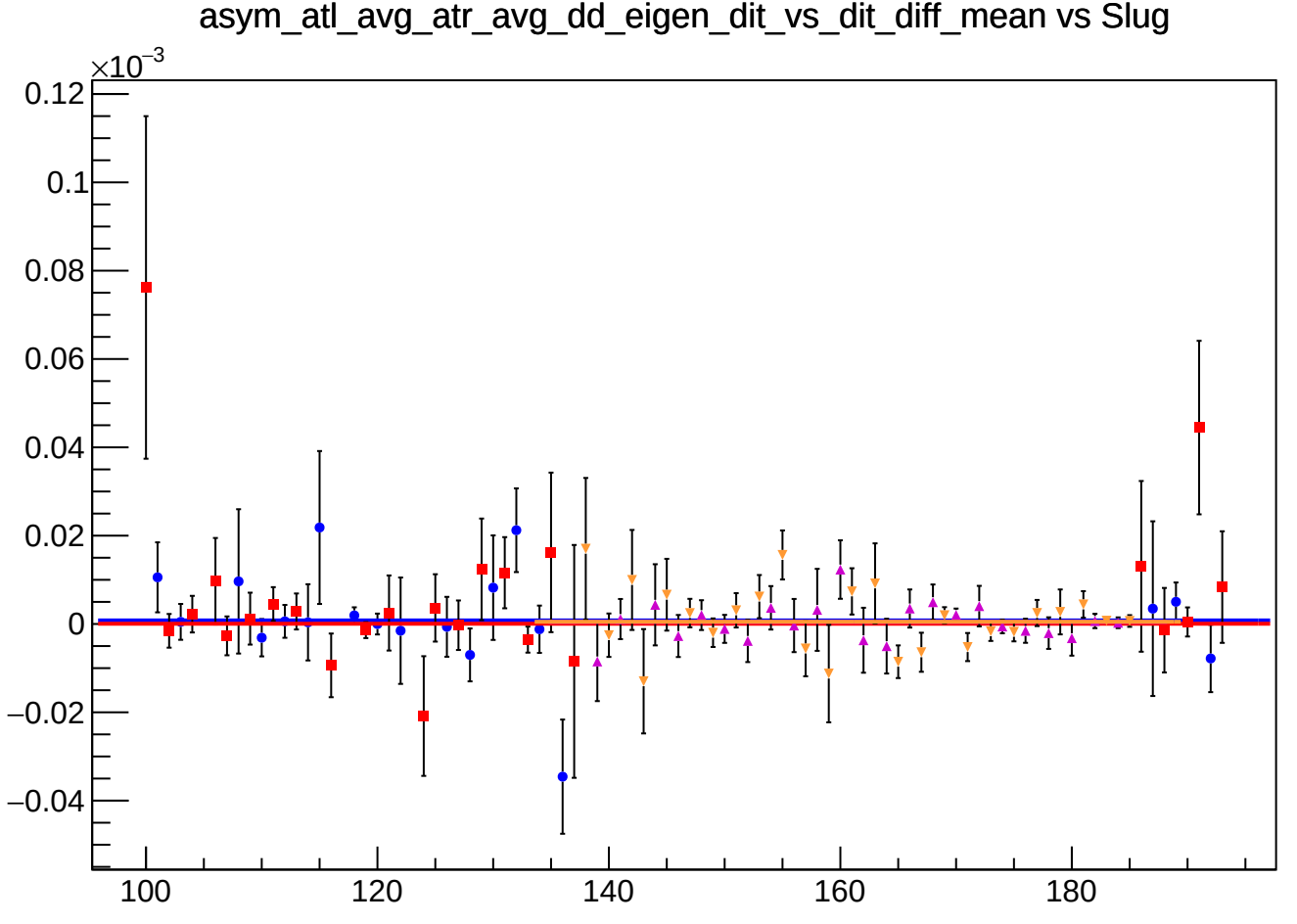
Right Out: 35.858+/-0.010 χ^2/NDF: 3514036.7/23

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576693.3/43

All: 33.887+/-0.004 χ^2/NDF: 26125682.7/90

- sign 33.760+/-0.006 χ^2/NDF: 12547893.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

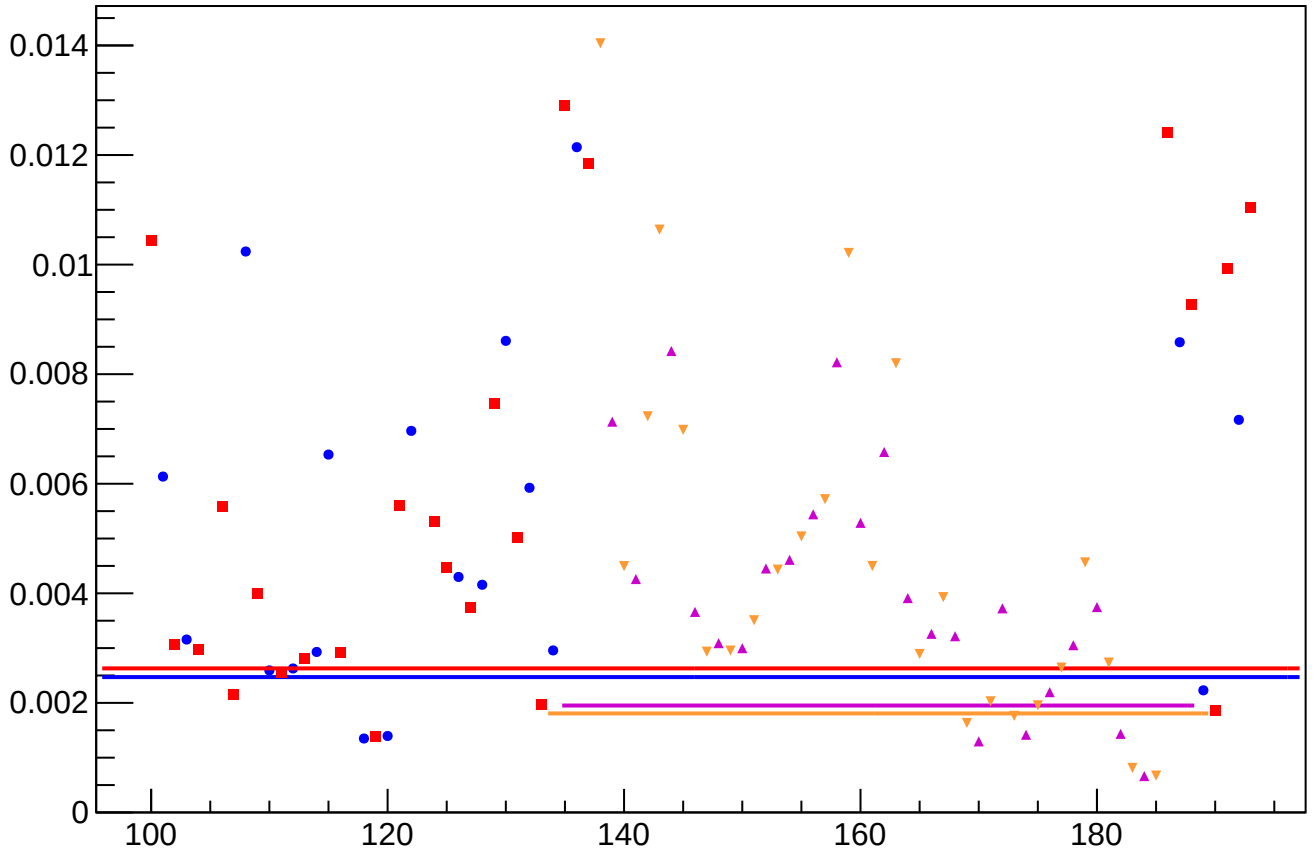
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/23

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: 95.2/90

- sign 0.000+/-0.000 χ^2/NDF: 38.0/46



Right In: 0.002+/-0.000 χ^2/NDF: 5694208.4/18

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

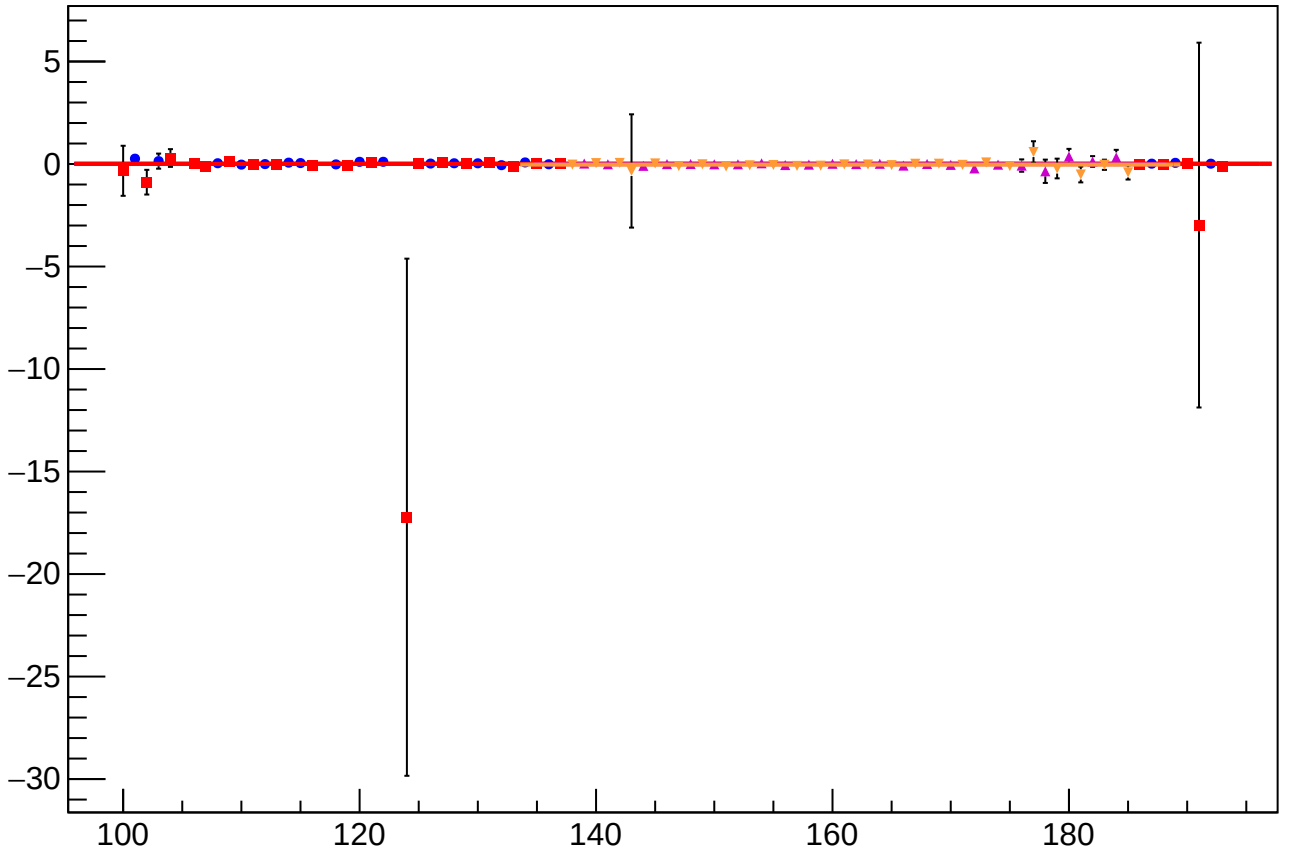
Right Out: 0.003+/-0.000 χ^2/NDF: 6169056.1/23

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: 39712694.7/90

- sign 0.002+/-0.000 χ^2/NDF: 18329333.4/46



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

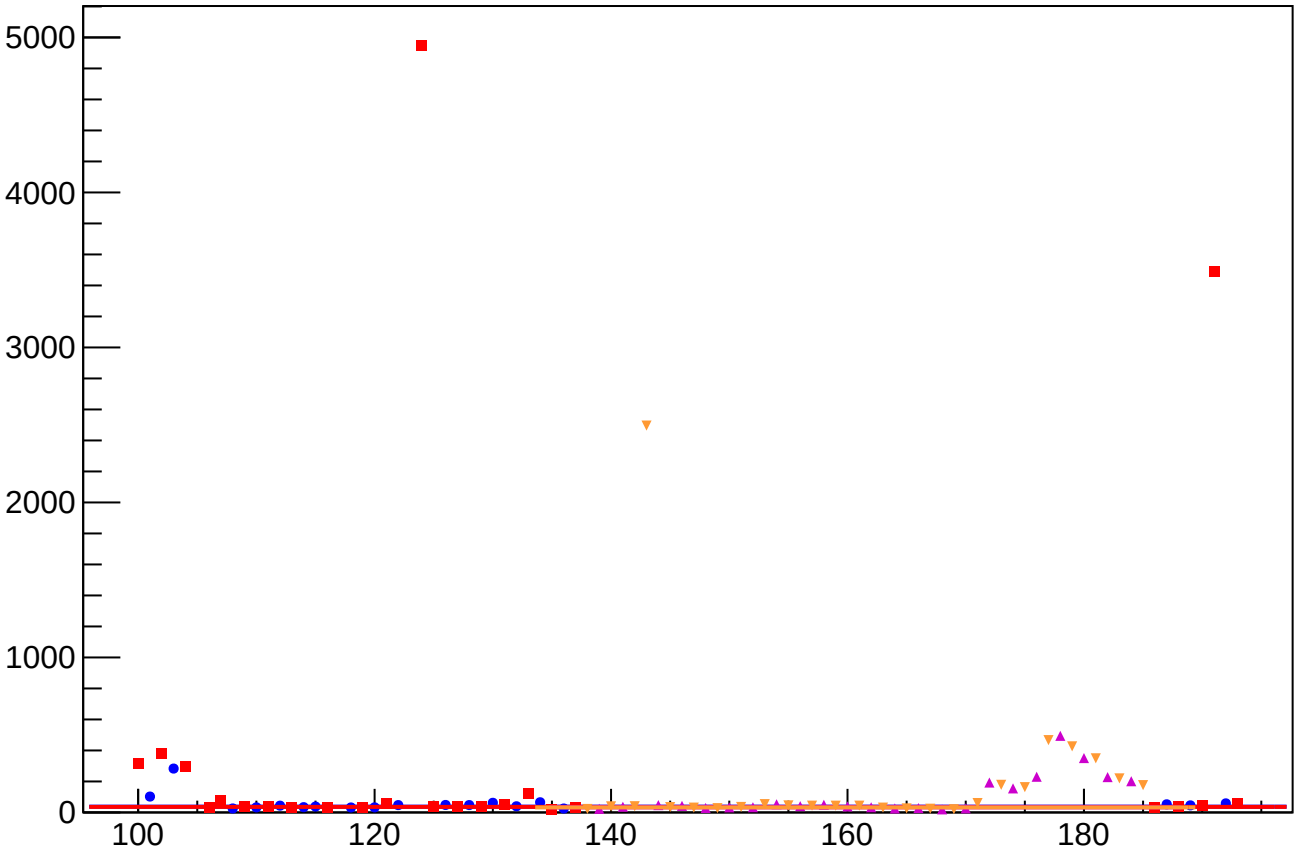
Right Out: 0.004+/-0.014 χ^2/NDF: 20.0/23

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.010+/-0.006 χ^2/NDF: 81.5/90

- sign -0.006+/-0.008 χ^2/NDF: 34.0/46



Right In: 37.489+/-0.010 χ^2/NDF: 2544334.6/18

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

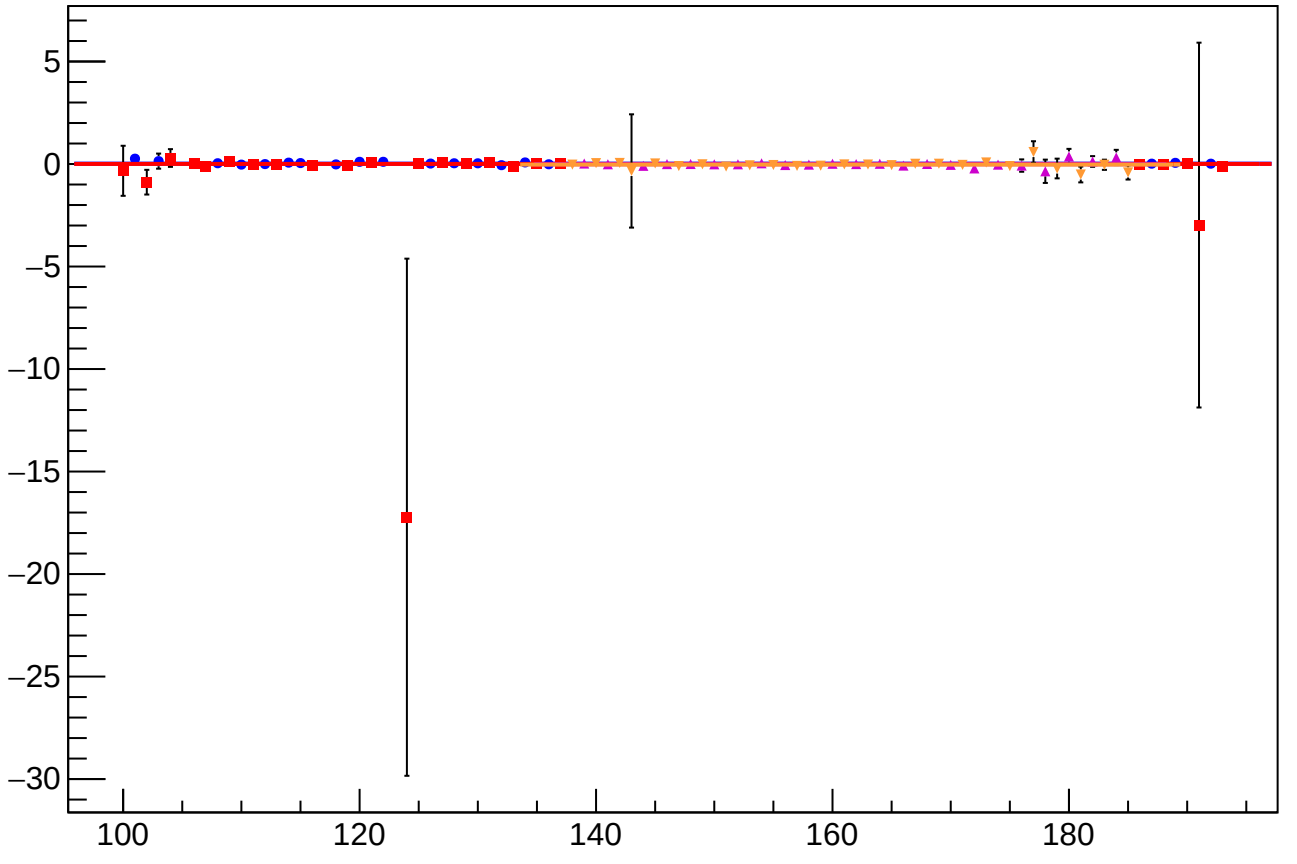
Right Out: 35.858+/-0.010 χ^2/NDF: 3513801.0/23

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576671.6/43

All: 33.887+/-0.004 χ^2/NDF: 26126138.6/90

- sign 33.759+/-0.006 χ^2/NDF: 12548362.7/46



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: 0.004+/-0.014 χ^2/NDF: 20.0/23

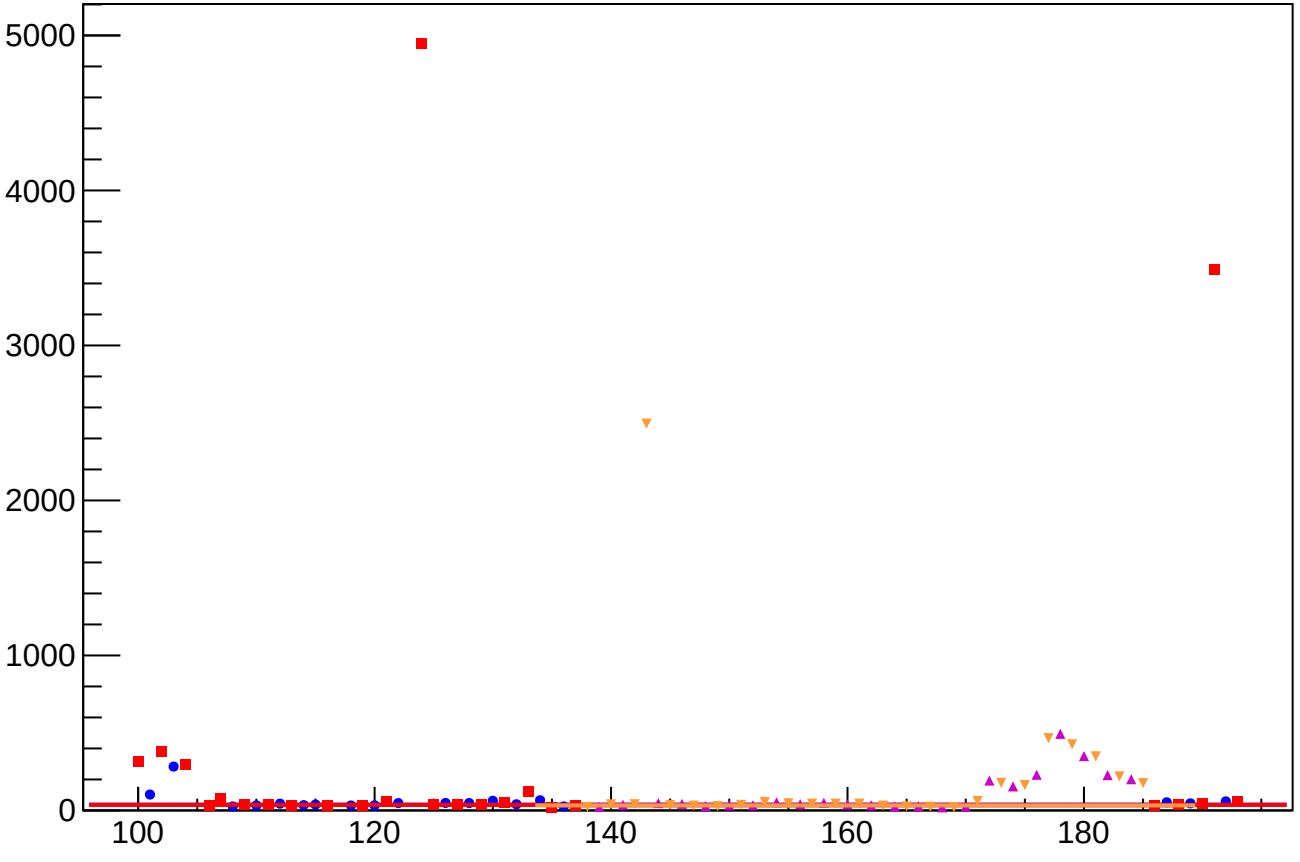
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.010+/-0.006 χ^2/NDF: 81.5/90

- sign -0.006+/-0.008 χ^2/NDF: 34.0/46

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

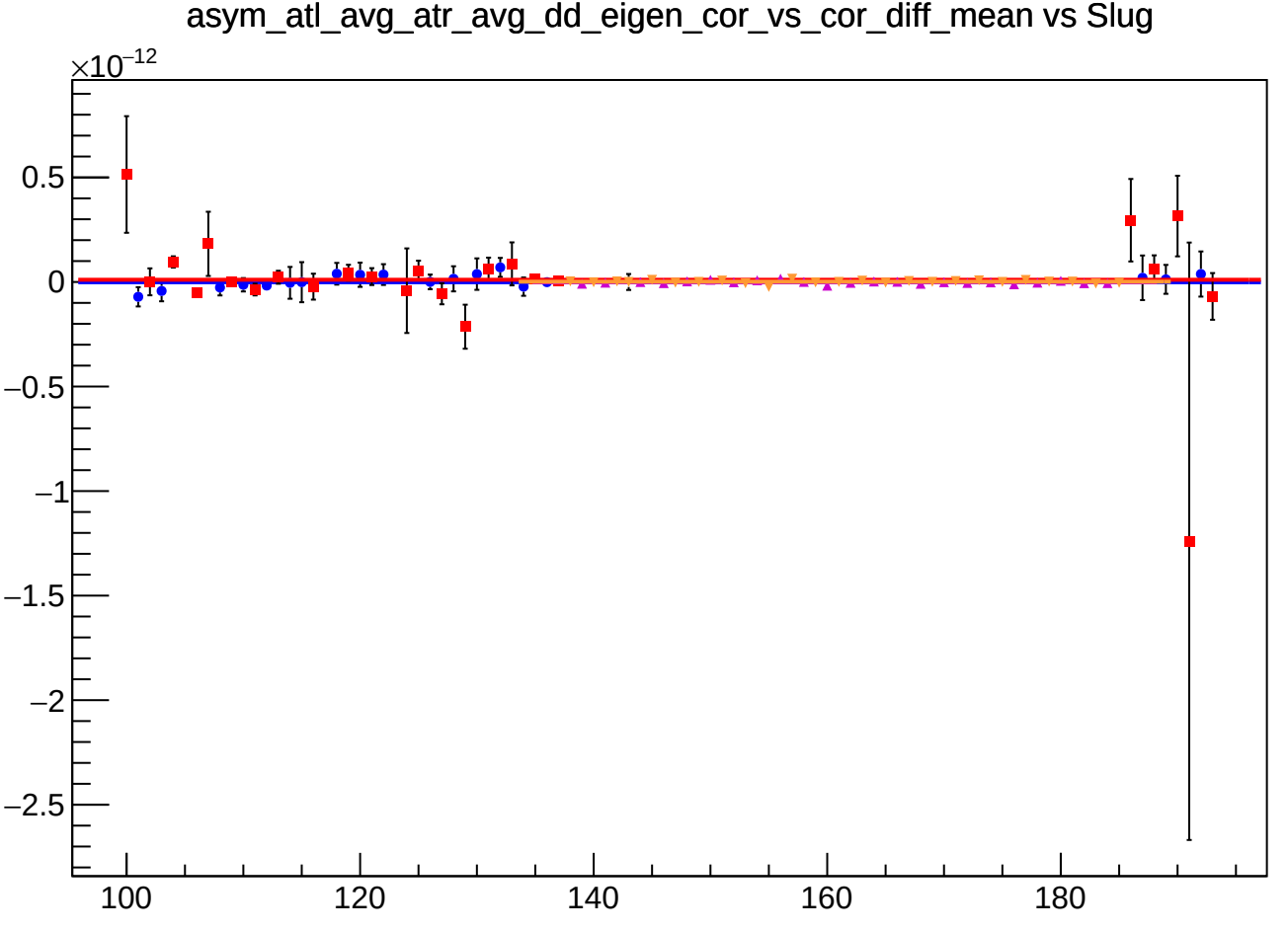
Right Out: 35.858+/-0.010 χ^2/NDF: 3513801.0/23

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576671.6/43

All: 33.887+/-0.004 χ^2/NDF: 26126138.6/90

- sign 33.759+/-0.006 χ^2/NDF: 12548362.7/46



Right In: -0.000+/-0.000 χ^2/NDF: 8.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

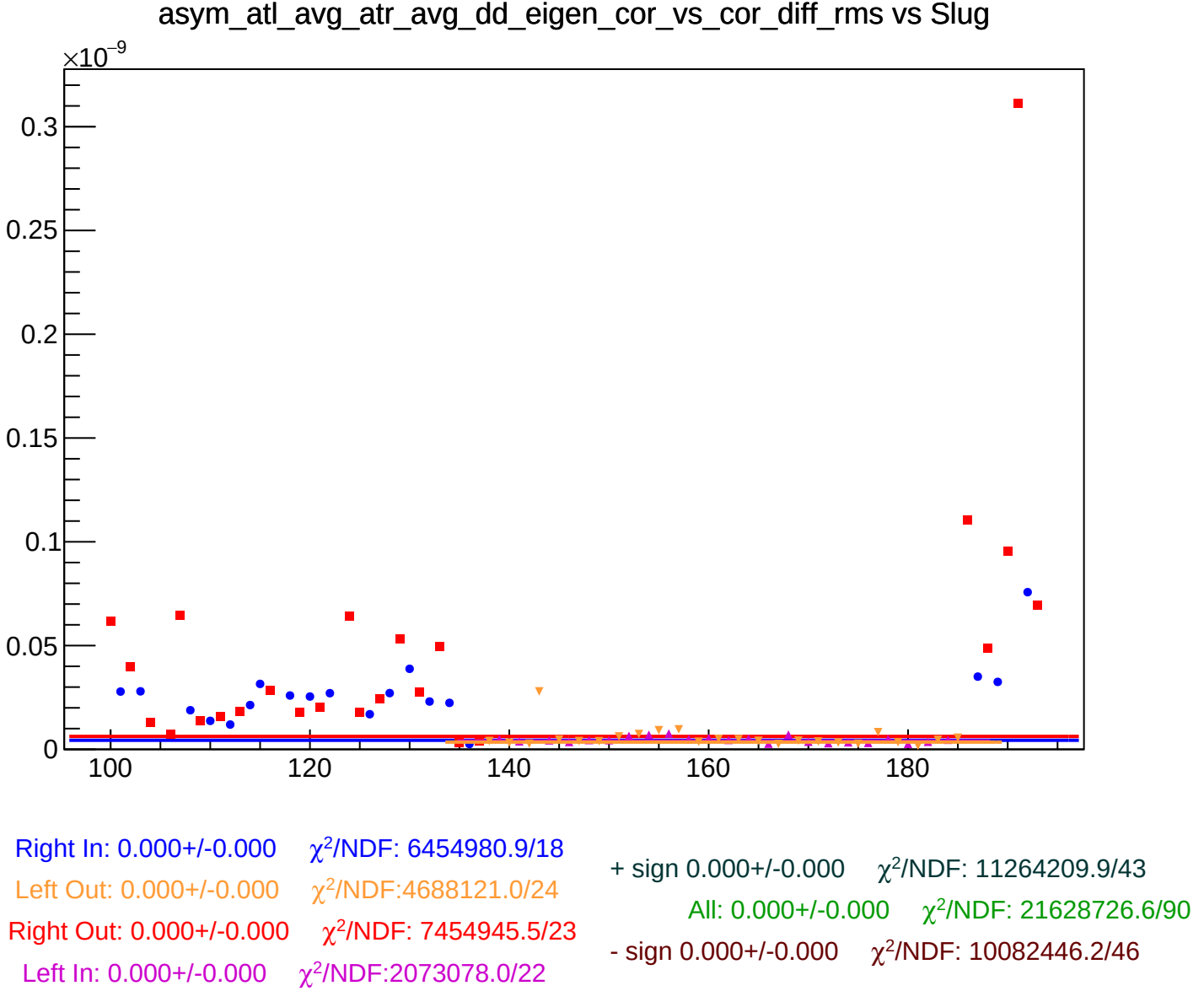
Right Out: 0.000+/-0.000 χ^2/NDF: 46.4/23

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

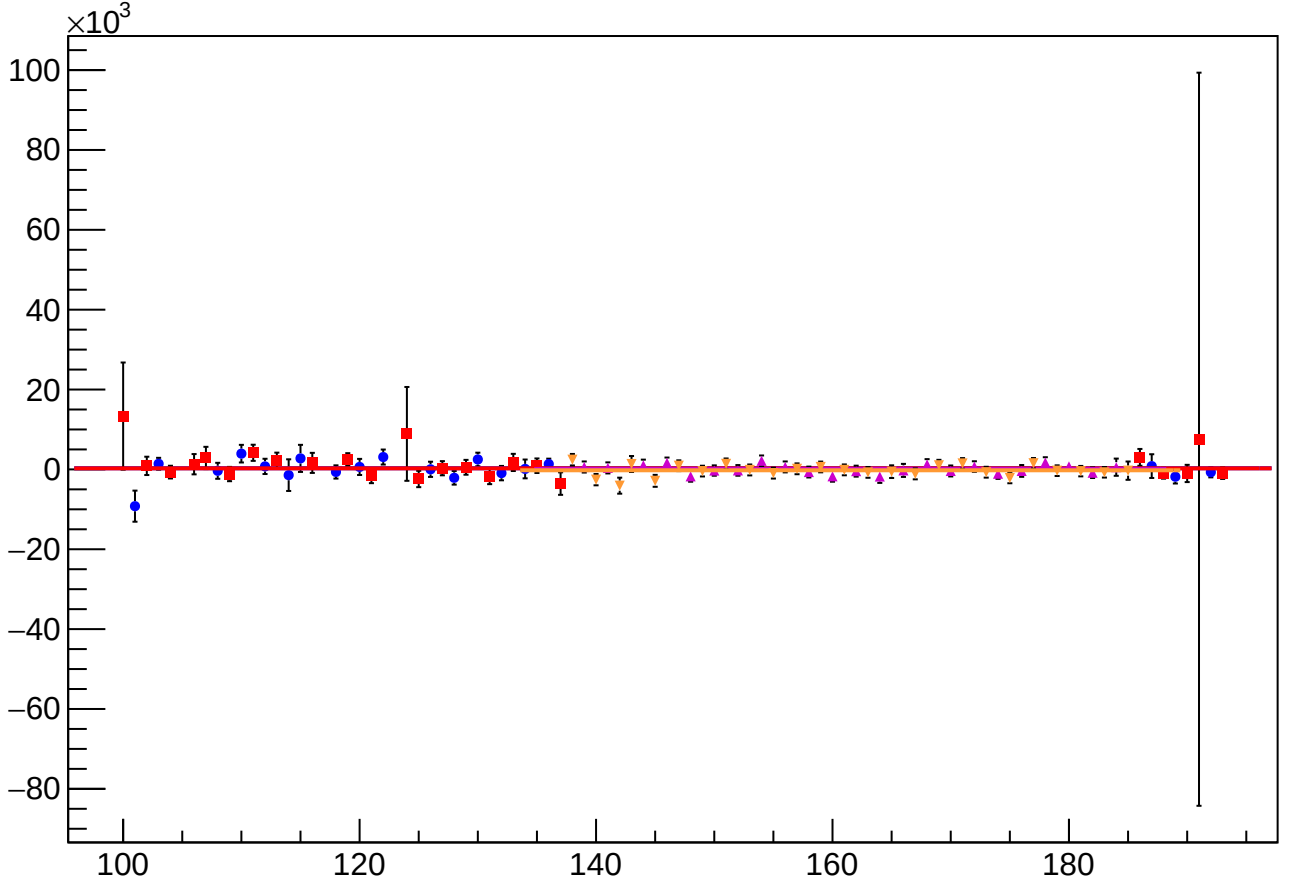
+ sign 0.000+/-0.000 χ^2/NDF: 27.5/43

All: 0.000+/-0.000 χ^2/NDF: 111.3/90

- sign -0.000+/-0.000 χ^2/NDF: 82.7/46


asym_atl_avg_atr_avg_dd_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: 7454945.5/23
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: 21628726.6/90
- sign 0.000+/-0.000 χ²/NDF: 10082446.2/46

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: 263.161+/-415.481 χ^2/NDF: 20.6/23

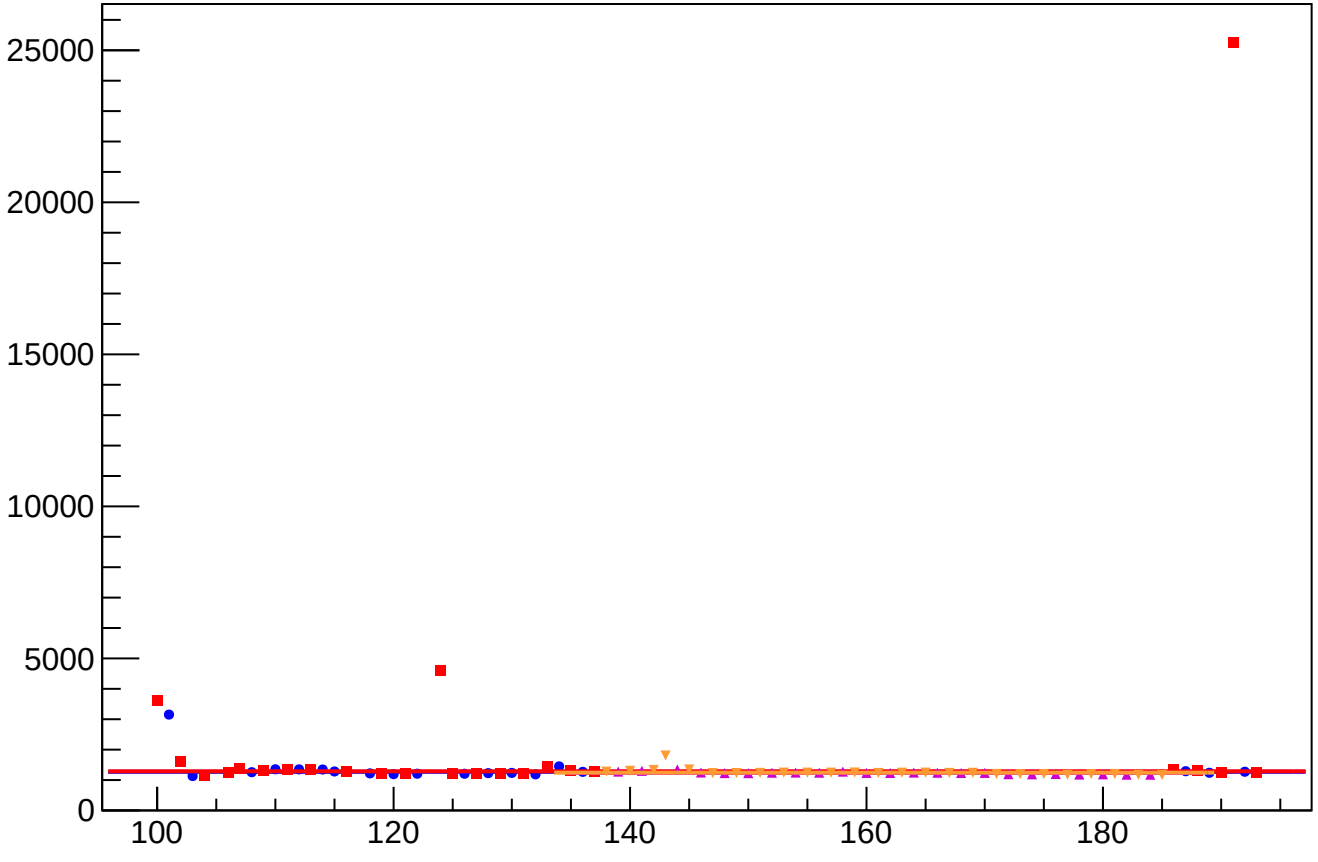
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -67.041+/-236.785 χ^2/NDF: 44.5/43

All: 40.404+/-167.443 χ^2/NDF: 80.4/90

- sign 147.877+/-236.816 χ^2/NDF: 35.4/46

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

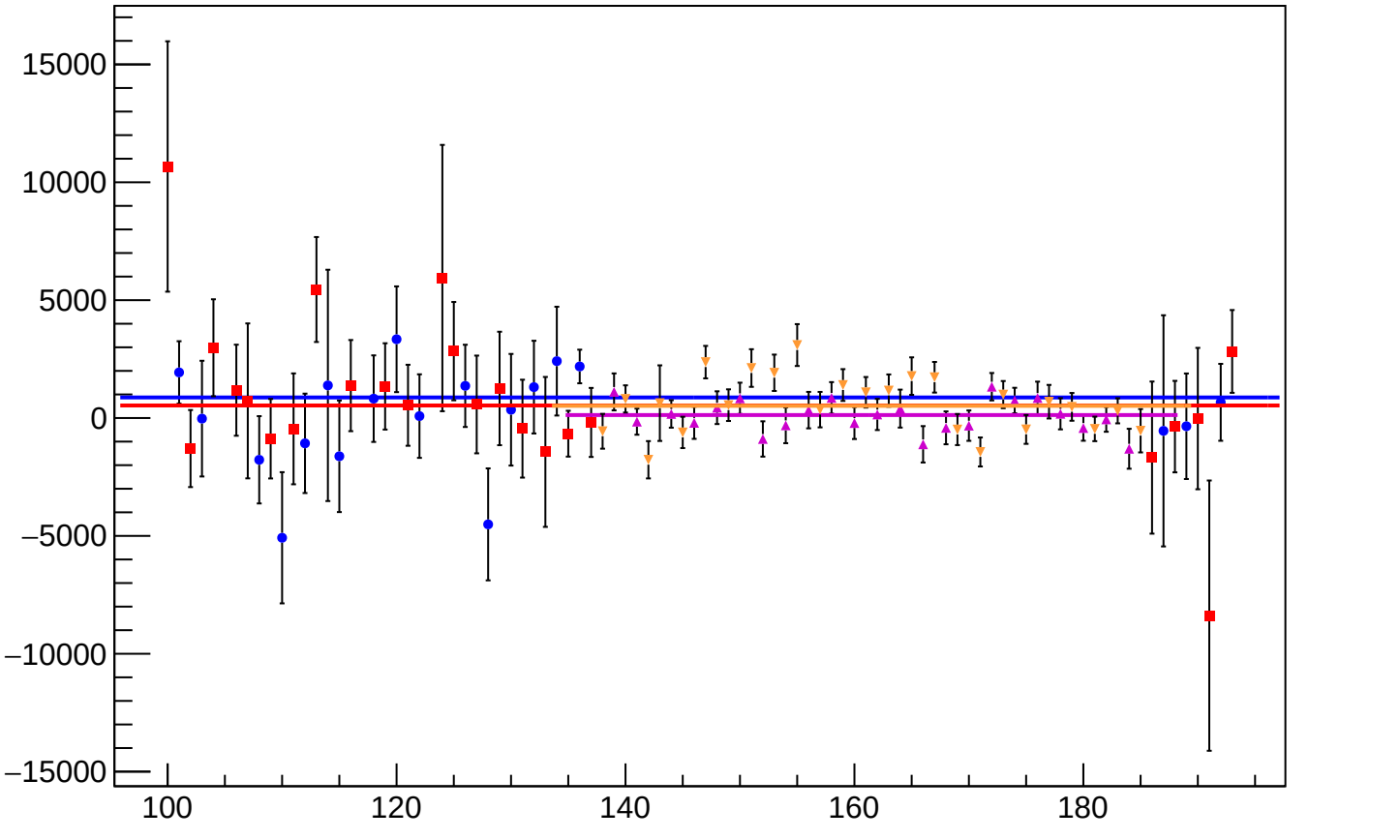
Right Out: 1287.077+/-0.294 χ^2/NDF: 467512.9/23

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729380.4/43

All: 1251.193+/-0.118 χ^2/NDF: 1258417.5/90

- sign 1251.076+/-0.167 χ^2/NDF: 529036.1/46



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: 532.838+/-408.412 χ^2/NDF: 22.0/23

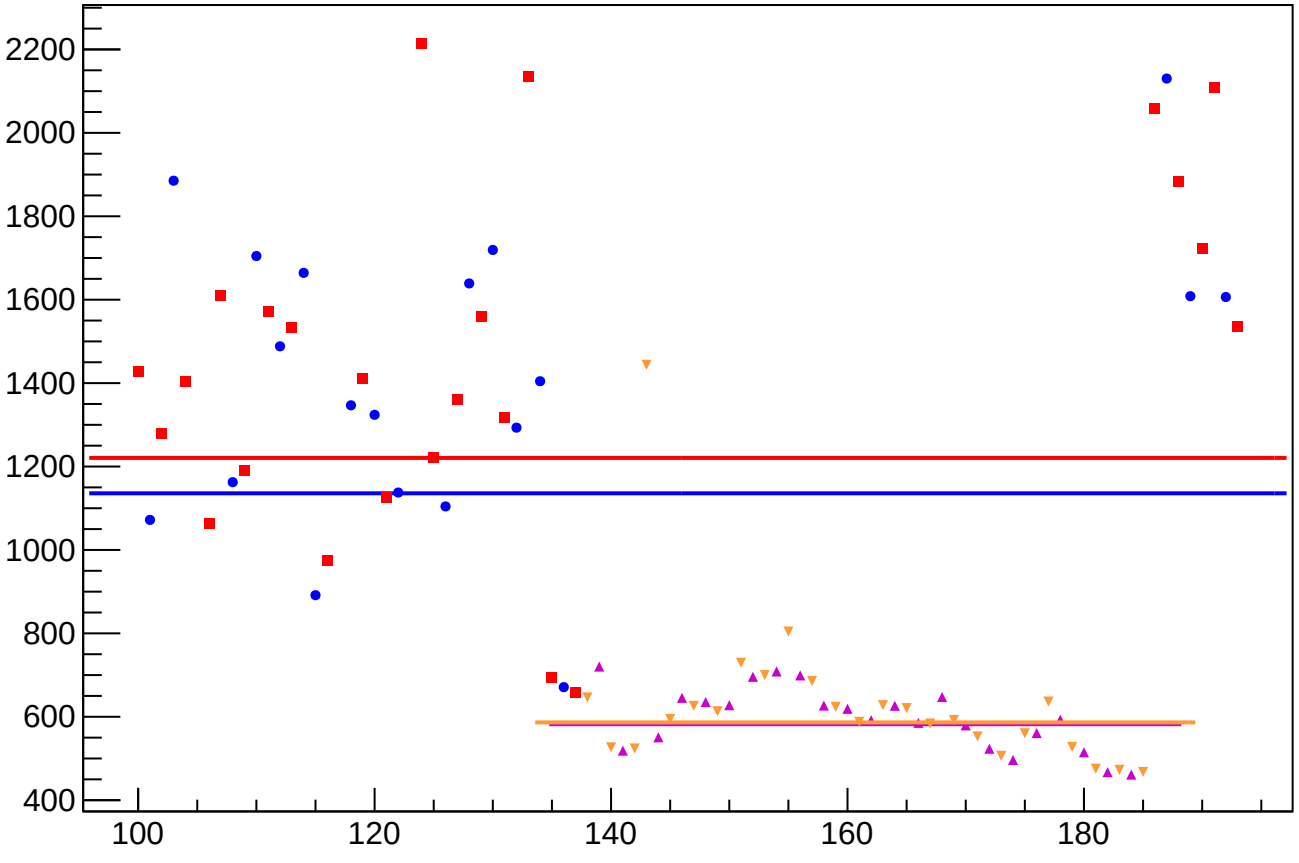
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 552.932+/-128.672 χ^2/NDF: 88.1/43

All: 362.514+/-91.490 χ^2/NDF: 136.9/90

- sign 167.804+/-130.114 χ^2/NDF: 44.4/46

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1135.789+/-0.286 χ^2/NDF: 1855527.5/18

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

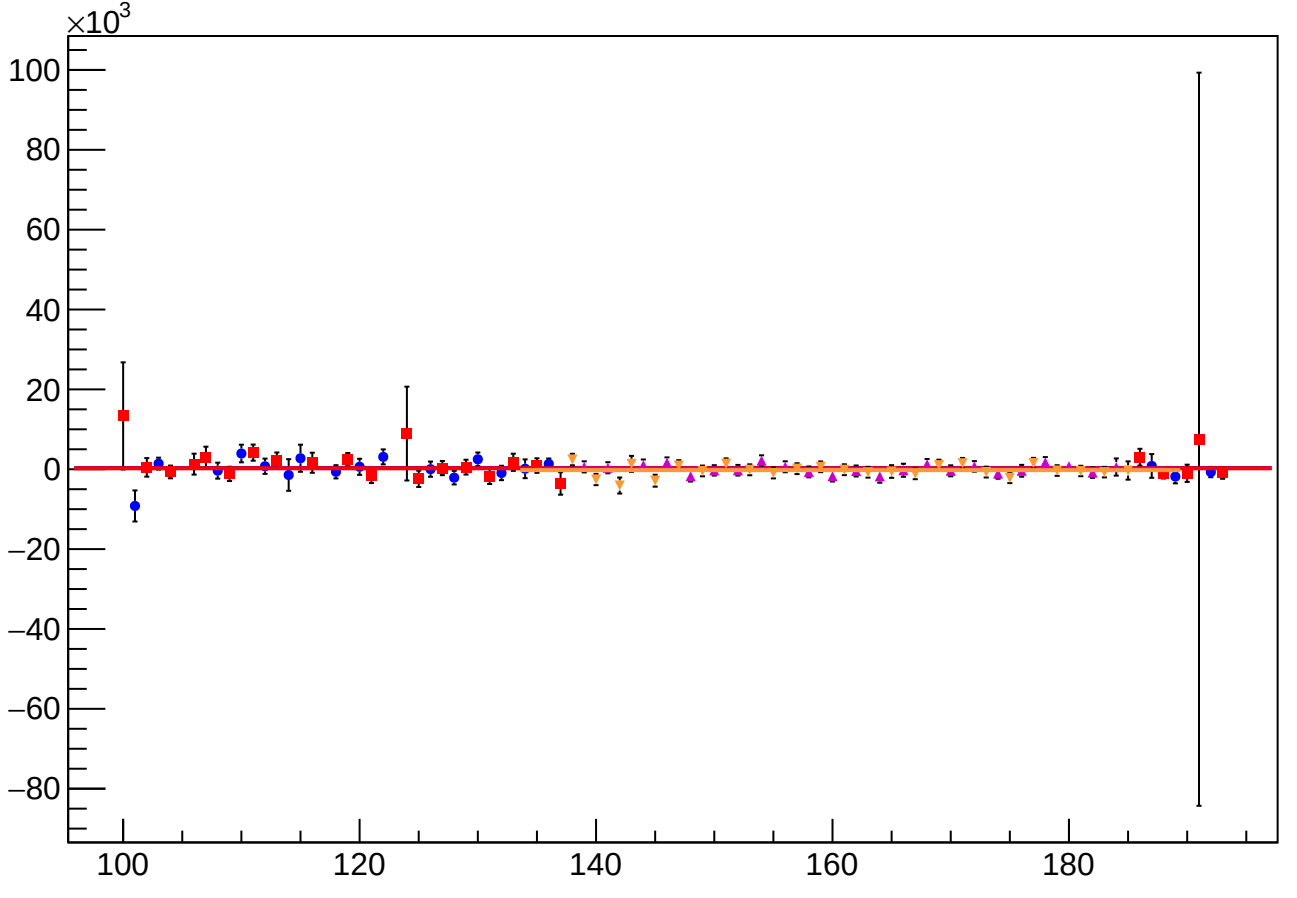
Right Out: 1220.673+/-0.289 χ^2/NDF: 1905770.8/23

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 642.312+/-0.091 χ^2/NDF: 6382098.2/43

All: 644.627+/-0.065 χ^2/NDF: 13240321.5/90

- sign 646.994+/-0.092 χ^2/NDF: 6856914.3/46



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: 247.218+/-416.009 χ^2/NDF: 20.5/23

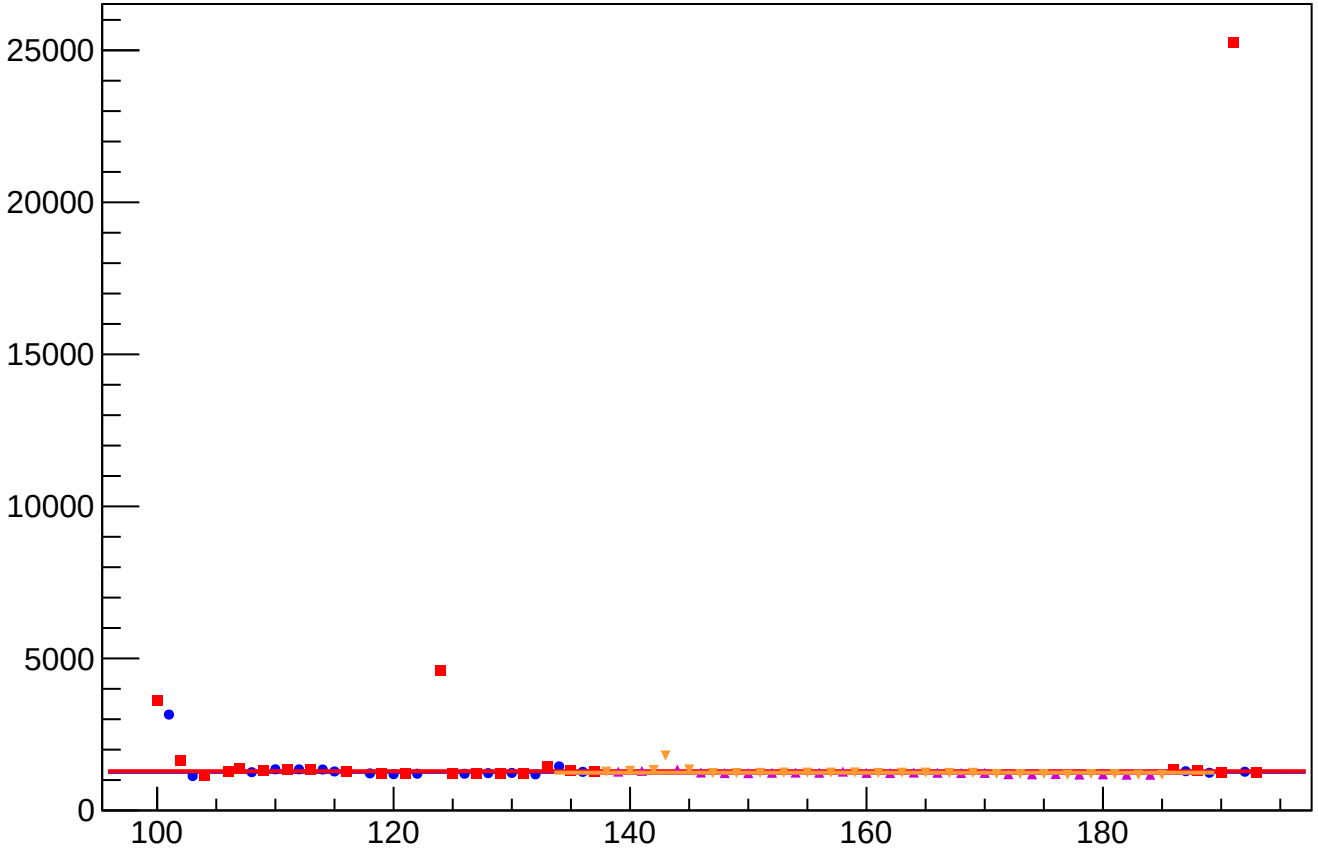
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -66.985+/-236.785 χ^2/NDF: 44.5/43

All: 37.780+/-167.478 χ^2/NDF: 80.2/90

- sign 142.659+/-236.914 χ^2/NDF: 35.3/46

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

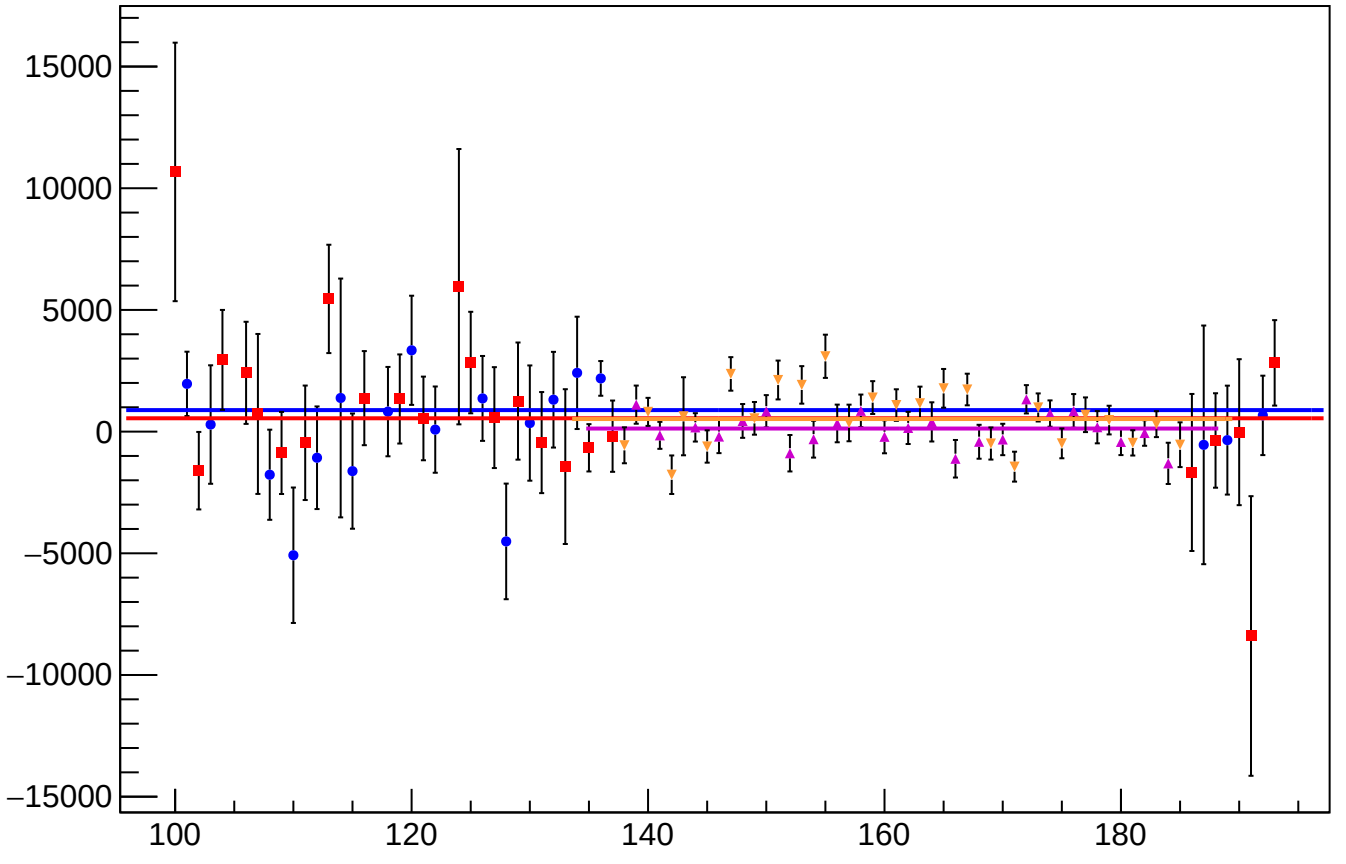
Right Out: 1288.799+/-0.294 χ^2/NDF: 473993.3/23

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729381.7/43

All: 1251.457+/-0.118 χ^2/NDF: 1266318.9/90

- sign 1251.605+/-0.168 χ^2/NDF: 536935.6/46



Right In: 883.994+/-403.698 χ^2/NDF: 20.3/18

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

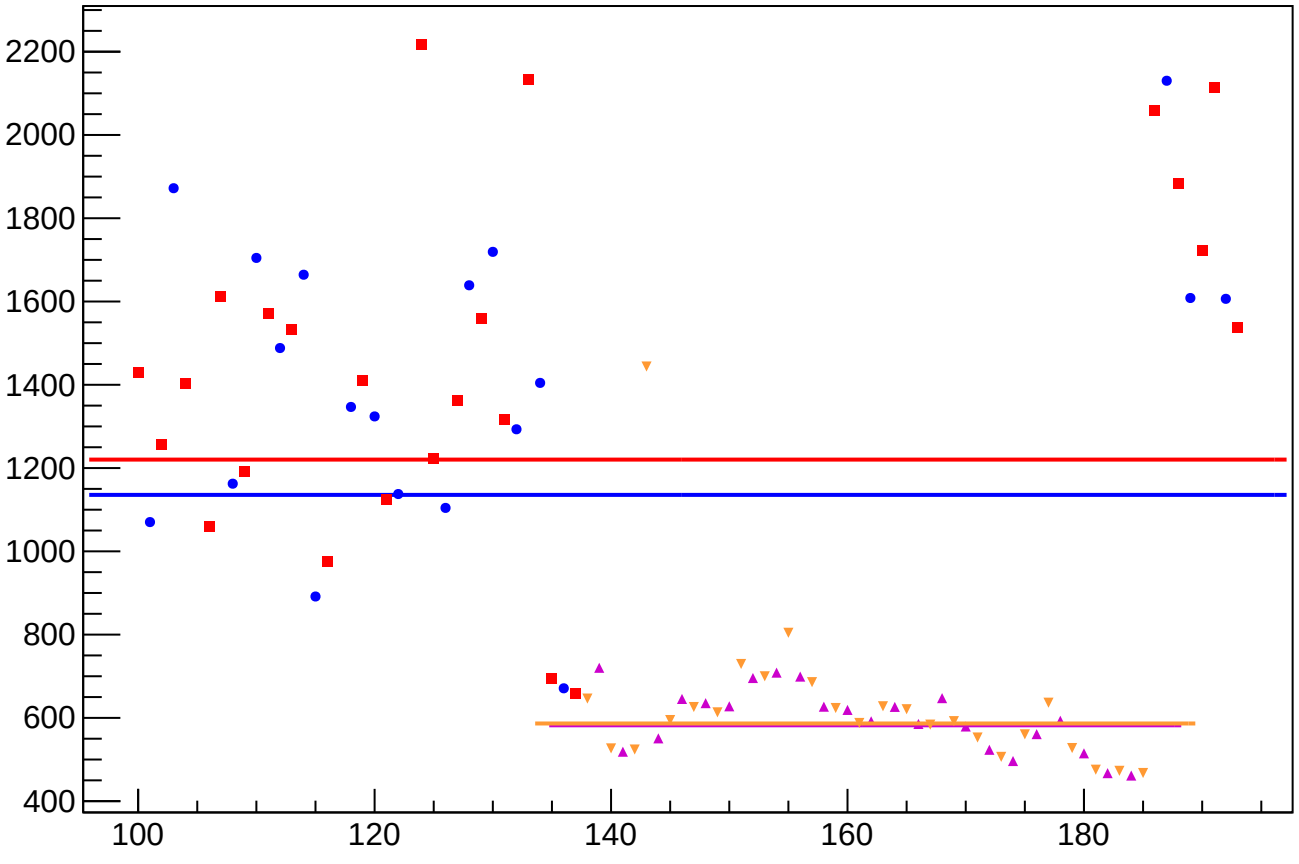
Right Out: 547.839+/-409.099 χ^2/NDF: 23.2/23

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 554.111+/-128.668 χ^2/NDF: 88.1/43

All: 363.829+/-91.496 χ^2/NDF: 138.2/90

- sign 169.179+/-130.136 χ^2/NDF: 45.7/46



Right In: 1135.578+/-0.285 χ^2/NDF: 1852278.2/18

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

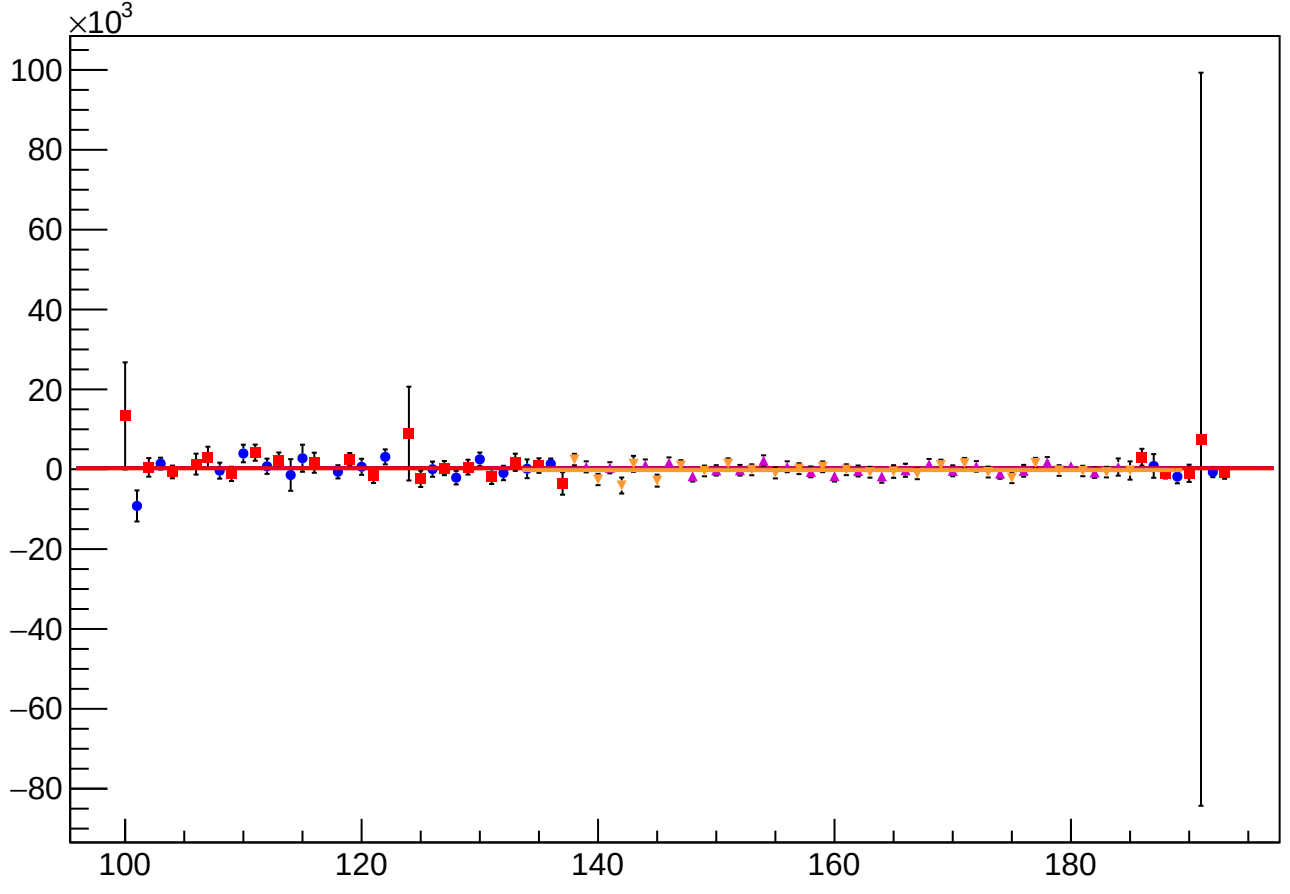
Right Out: 1220.339+/-0.289 χ^2/NDF: 1903026.4/23

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 642.333+/-0.091 χ^2/NDF: 6378364.6/43

All: 644.523+/-0.065 χ^2/NDF: 13215900.2/90

- sign 646.763+/-0.092 χ^2/NDF: 6836363.9/46



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: 247.218+/-416.009 χ^2/NDF: 20.5/23

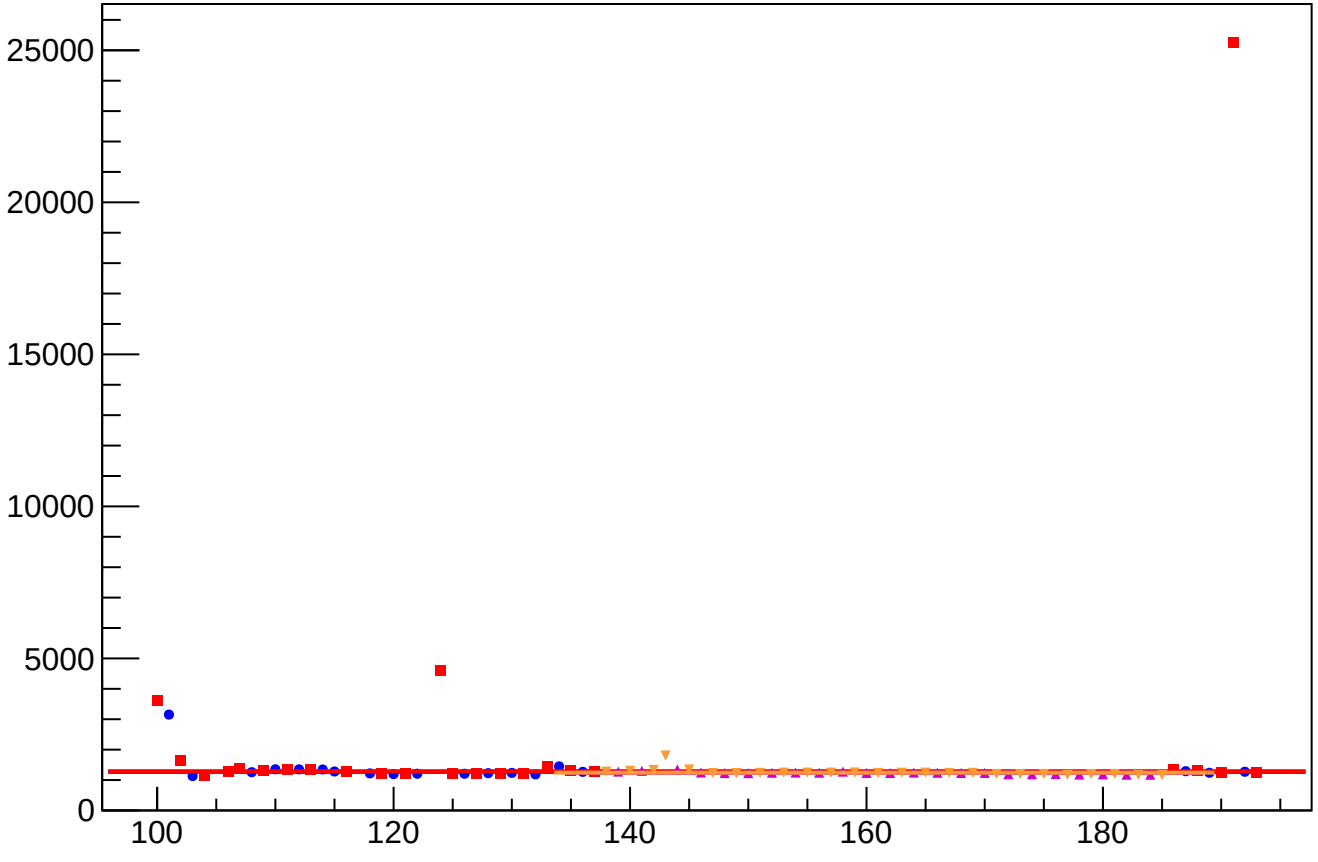
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -66.985+/-236.785 χ^2/NDF: 44.5/43

All: 37.780+/-167.478 χ^2/NDF: 80.2/90

- sign 142.659+/-236.914 χ^2/NDF: 35.3/46

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

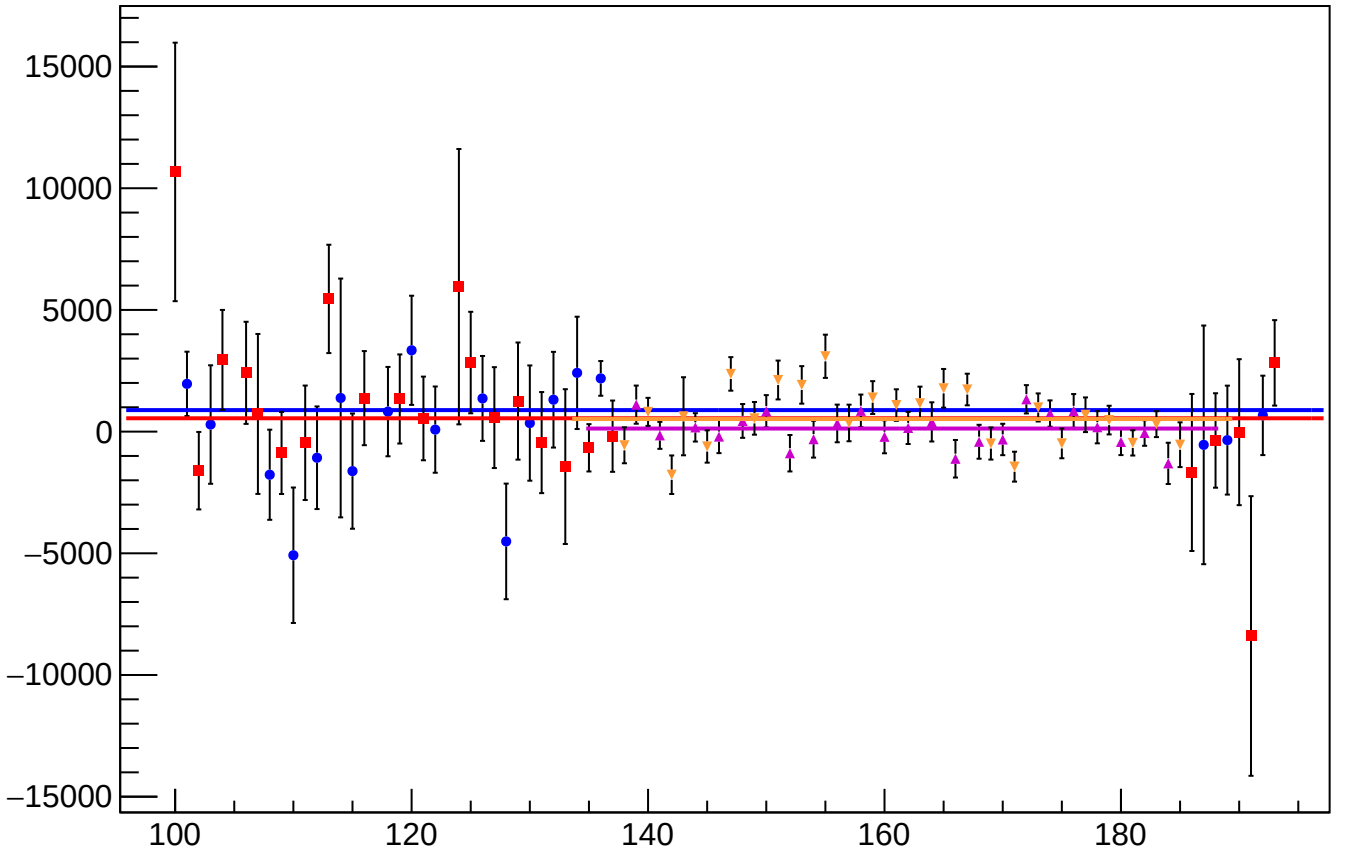
Right Out: 1288.799+/-0.294 χ^2/NDF: 473993.3/23

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729381.7/43

All: 1251.457+/-0.118 χ^2/NDF: 1266318.9/90

- sign 1251.605+/-0.168 χ^2/NDF: 536935.6/46



Right In: 883.994+/-403.698 χ^2/NDF: 20.3/18

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

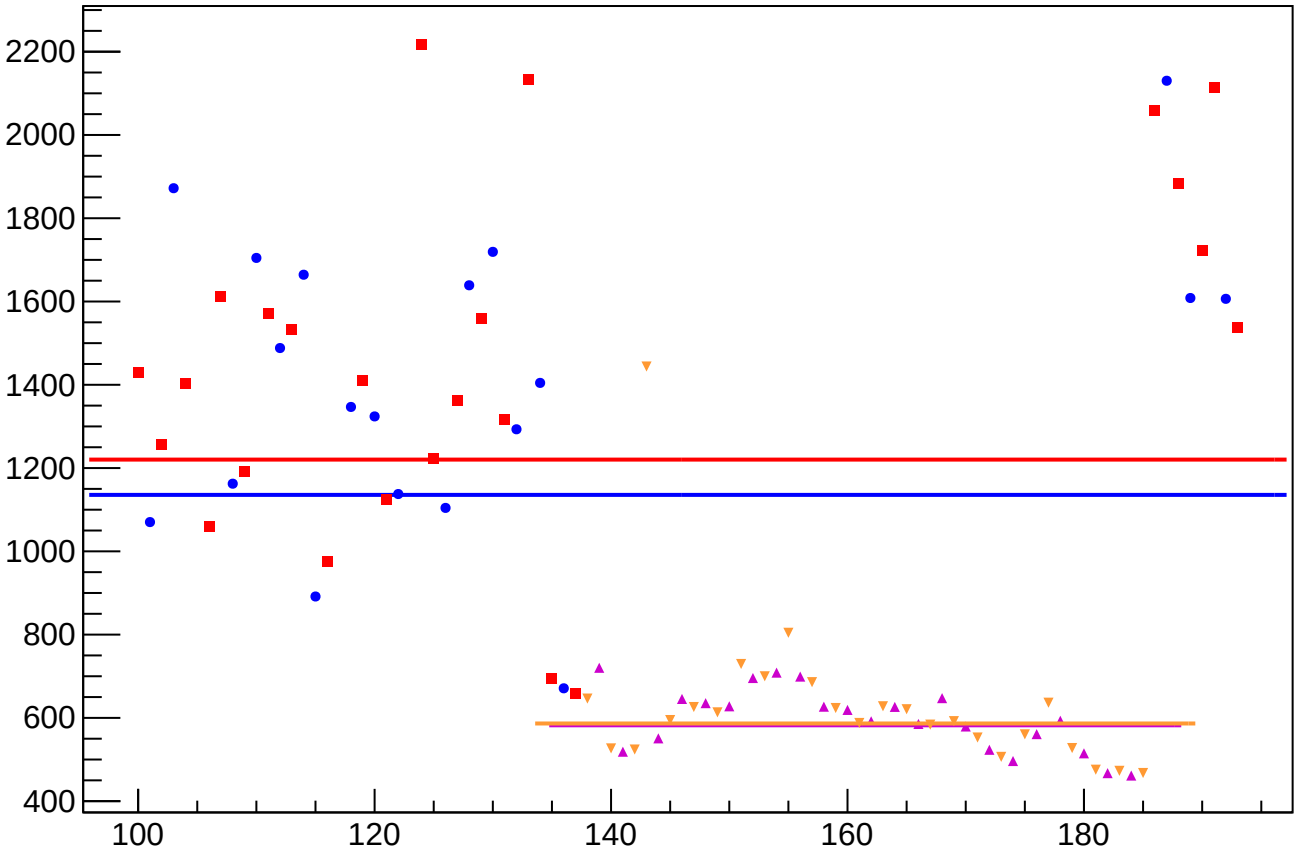
Right Out: 547.839+/-409.099 χ^2/NDF: 23.2/23

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 554.111+/-128.668 χ^2/NDF: 88.1/43

All: 363.829+/-91.496 χ^2/NDF: 138.2/90

\- sign 169.179+/-130.136 χ^2/NDF: 45.7/46



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: 1220.339+/-0.289 χ^2/NDF: 1903026.4/23

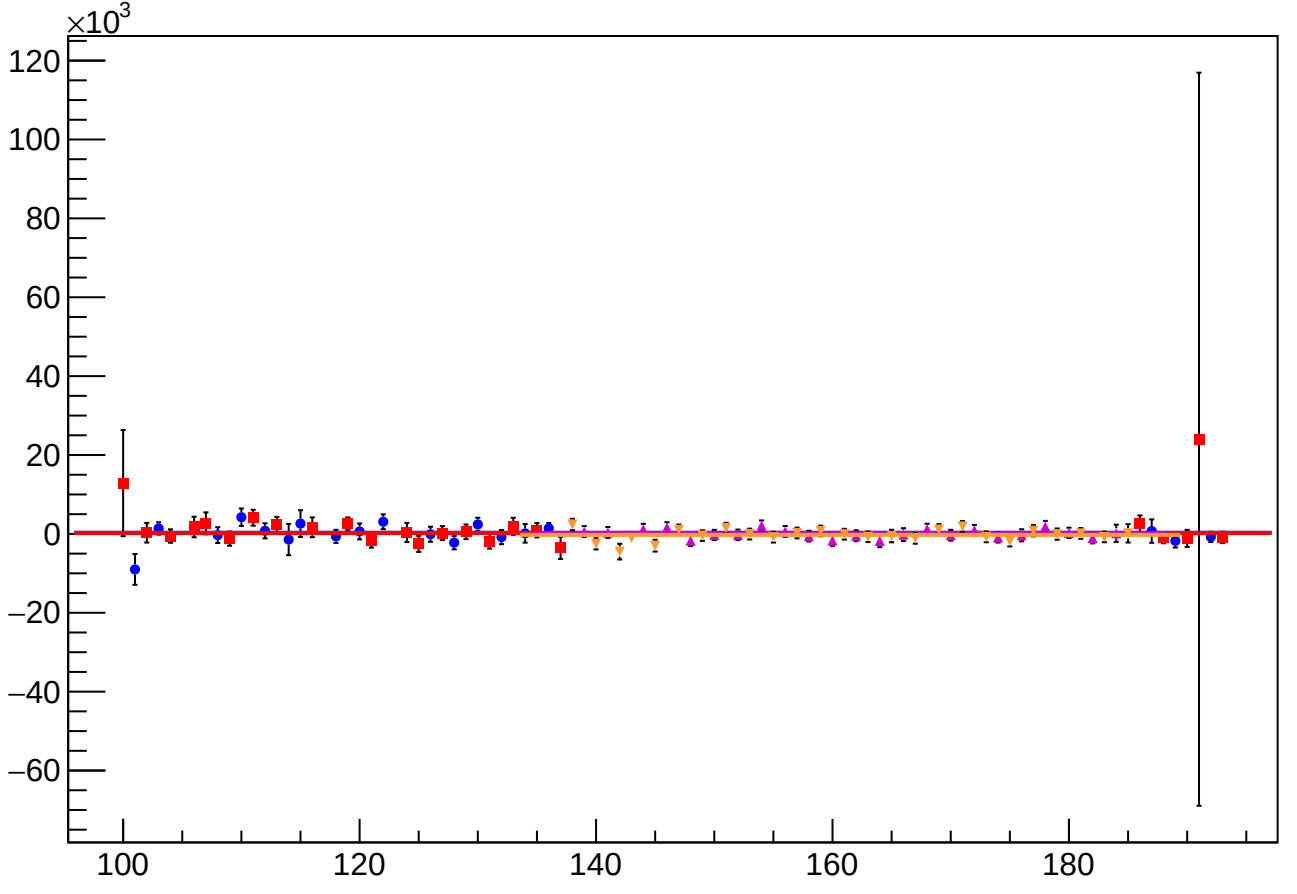
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 642.333+/-0.091 χ^2/NDF: 6378364.6/43

All: 644.523+/-0.065 χ^2/NDF: 13215900.2/90

- sign 646.763+/-0.092 χ^2/NDF: 6836363.9/46

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: 238.972+/-413.246 χ^2/NDF: 20.0/23

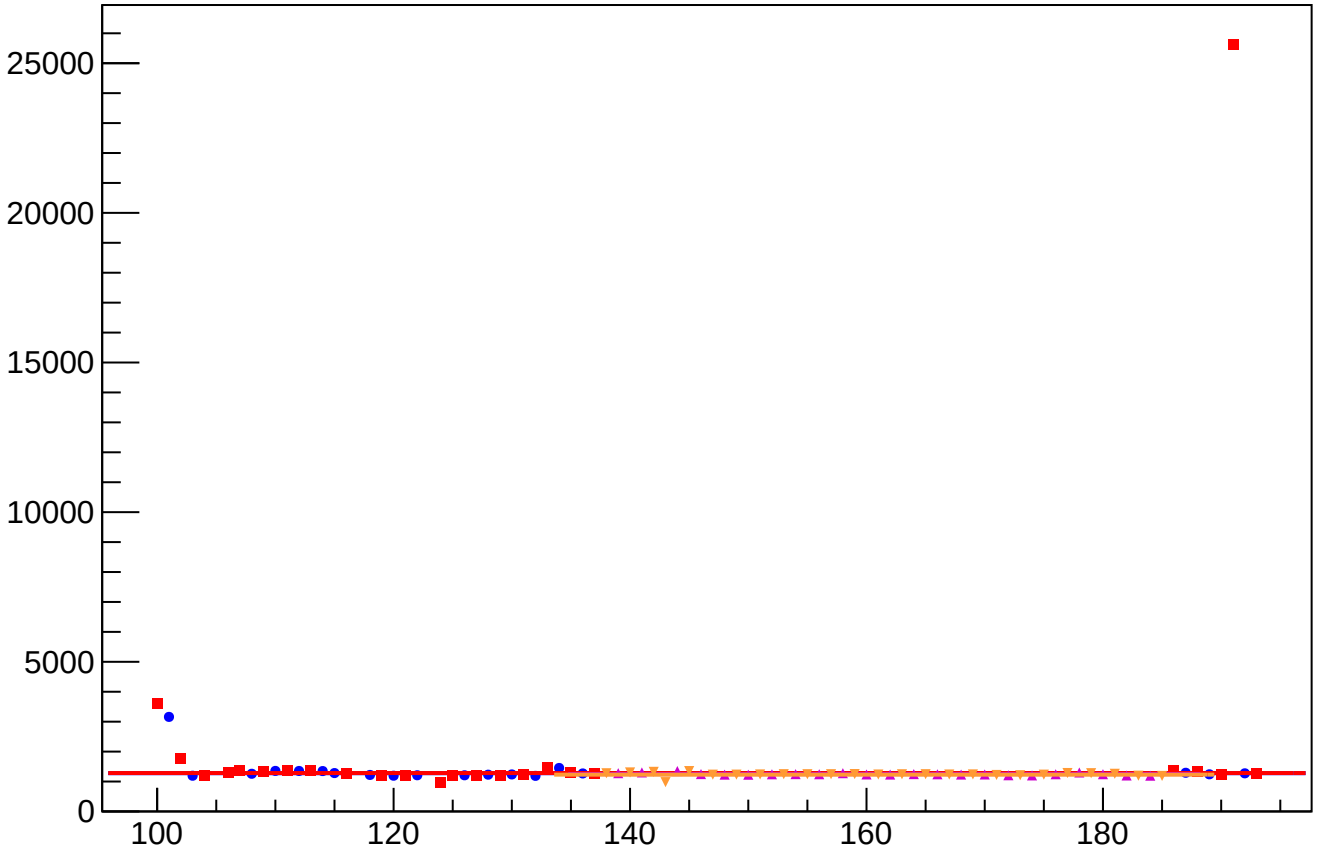
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -92.471+/-235.305 χ^2/NDF: 44.7/43

All: 17.114+/-167.393 χ^2/NDF: 79.3/90

- sign 129.391+/-238.178 χ^2/NDF: 34.1/46

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: 1283.420+/-0.292 χ^2/NDF: 368194.4/23

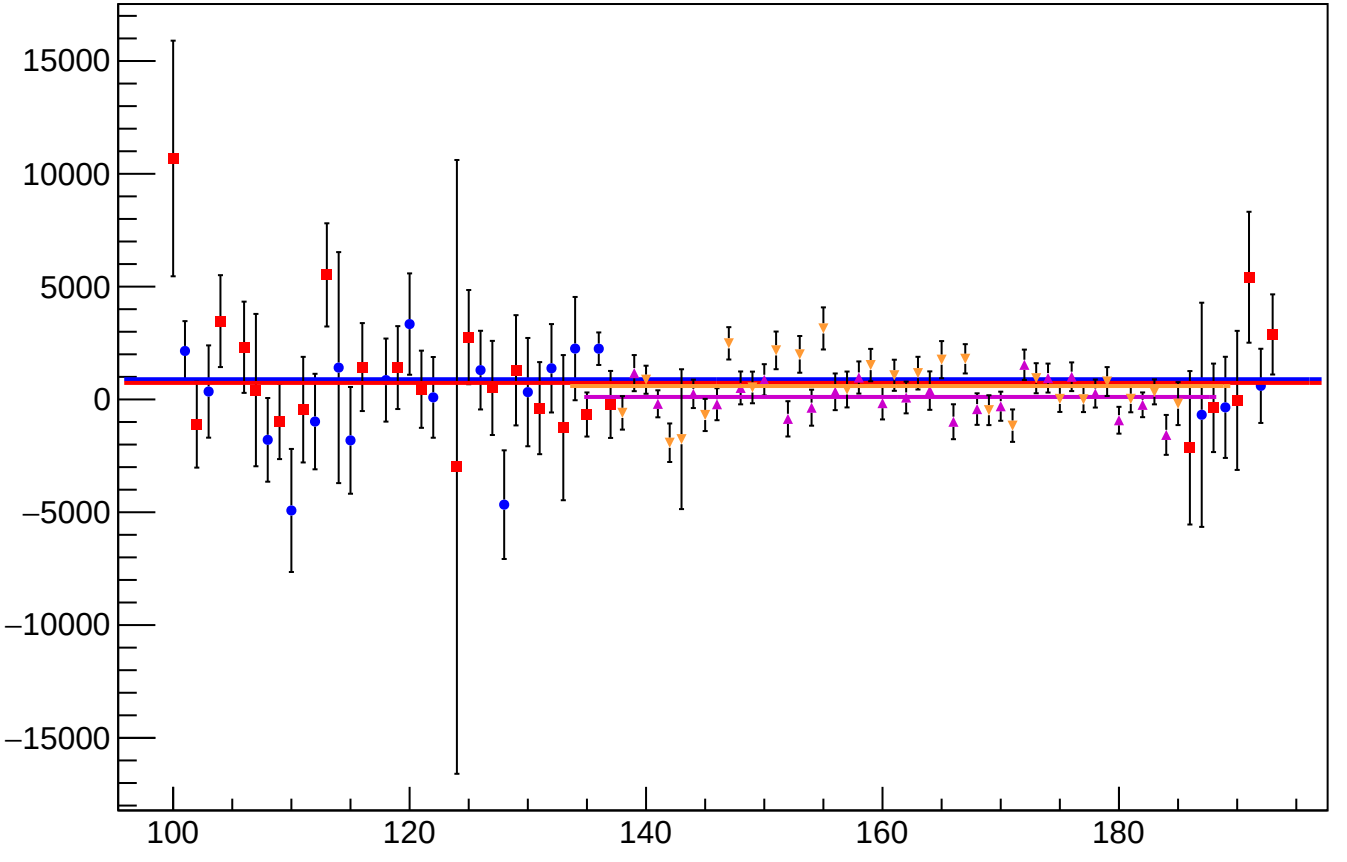
Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1244.124+/-0.166 χ^2/NDF: 667170.7/43

All: 1251.780+/-0.118 χ^2/NDF: 1076923.0/90

- sign 1259.623+/-0.168 χ^2/NDF: 405466.8/46

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug



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: 732.681+/-412.535 χ^2/NDF: 22.4/23

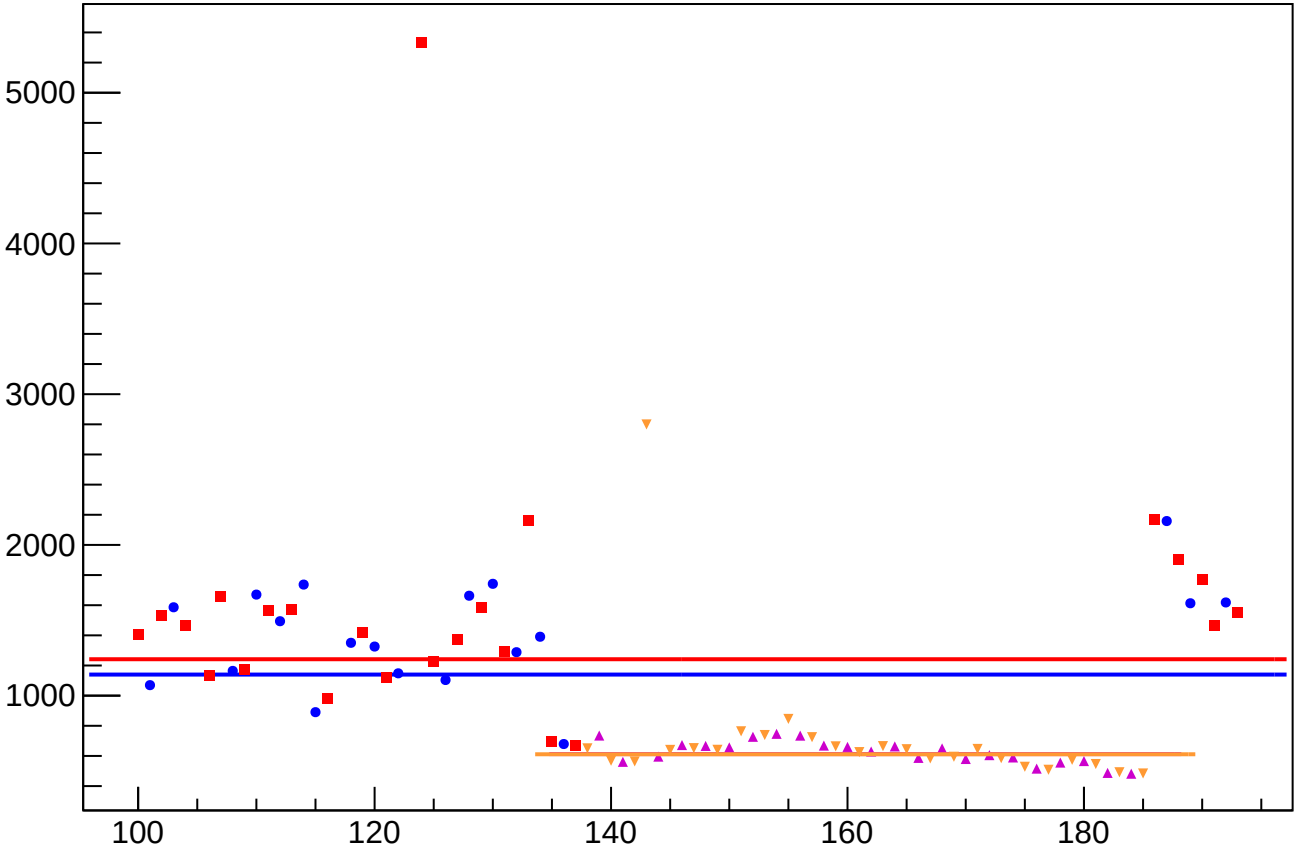
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 628.234+/-134.059 χ^2/NDF: 78.7/43

All: 406.626+/-95.525 χ^2/NDF: 134.4/90

- sign 178.049+/-136.151 χ^2/NDF: 50.1/46

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1139.838+/-0.285 χ^2/NDF: 1738071.5/18

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

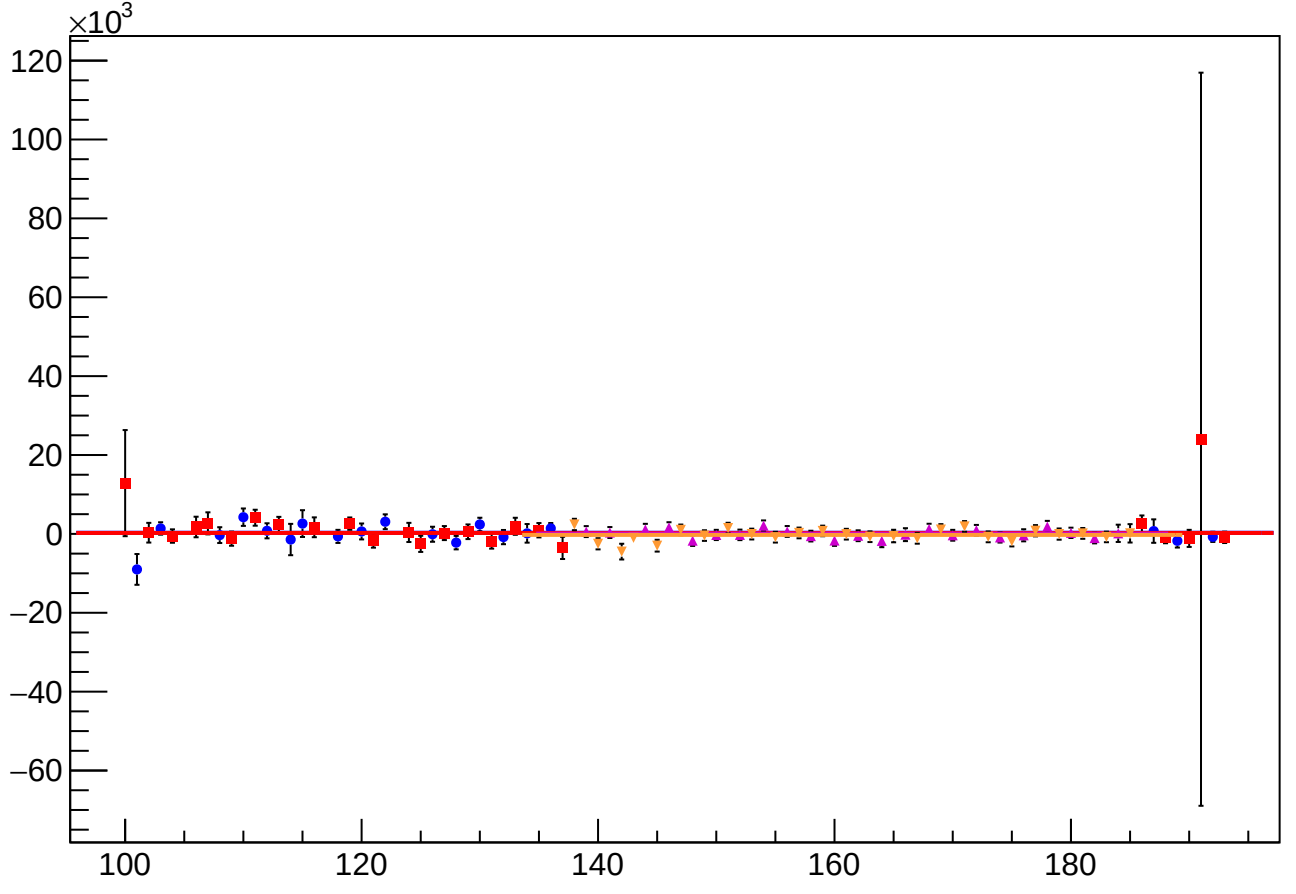
Right Out: 1241.617+/-0.292 χ^2/NDF: 2071993.3/23

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 669.435+/-0.095 χ^2/NDF: 6411881.9/43

All: 675.096+/-0.068 χ^2/NDF: 13145691.5/90

- sign 680.935+/-0.096 χ^2/NDF: 6726564.9/46



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: 238.971+/-413.246 χ^2/NDF: 20.0/23

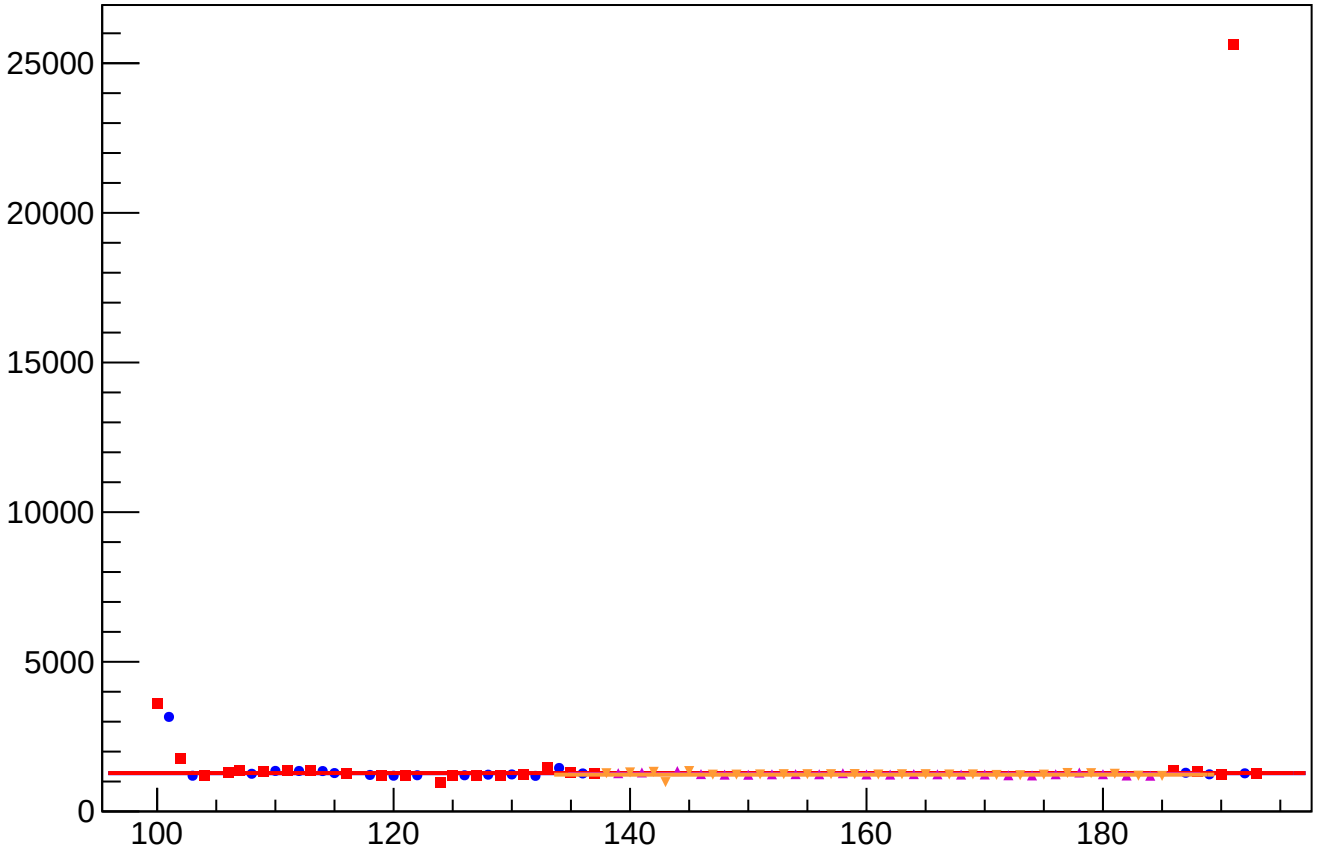
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -92.471+/-235.305 χ^2/NDF: 44.7/43

All: 17.113+/-167.393 χ^2/NDF: 79.3/90

- sign 129.390+/-238.178 χ^2/NDF: 34.1/46

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

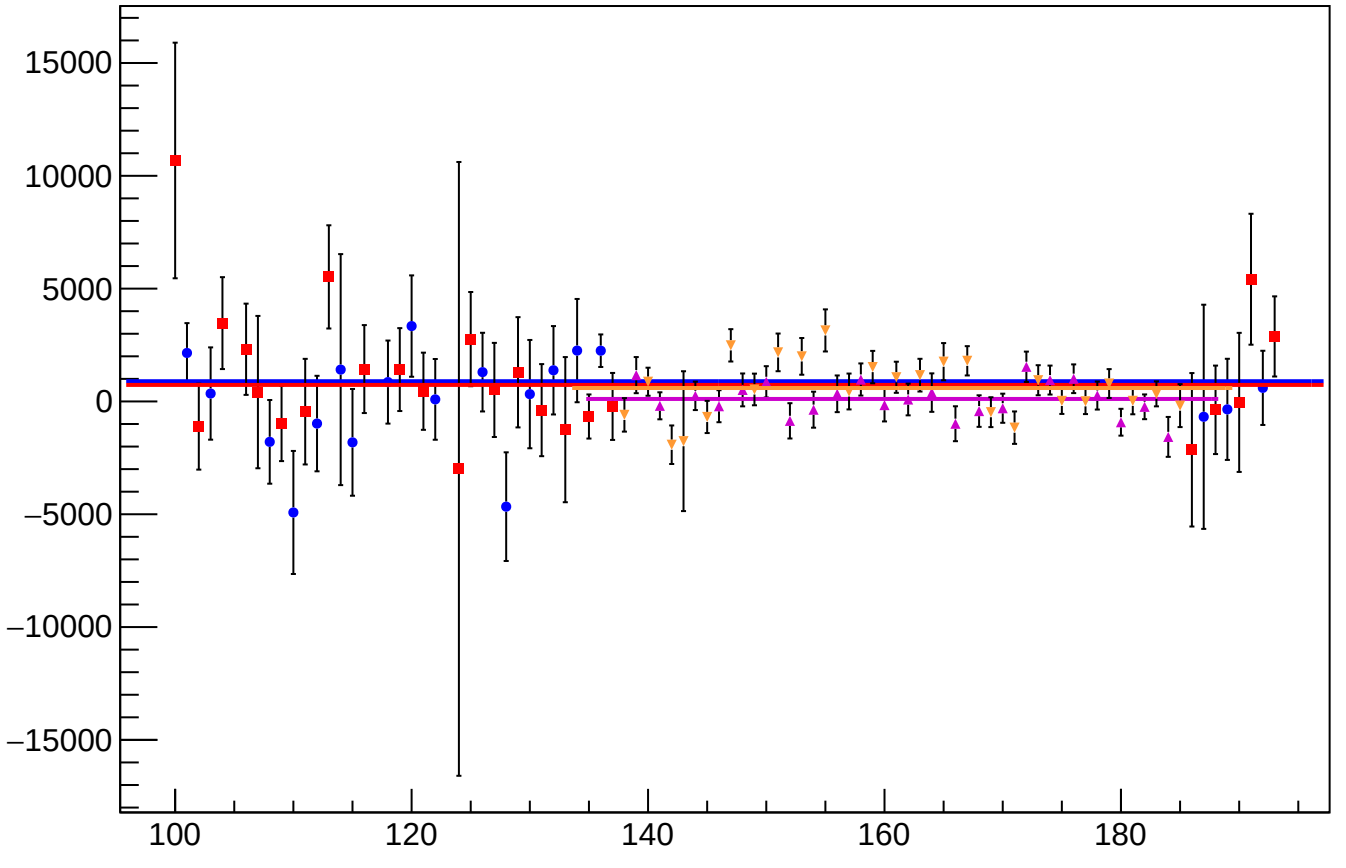
Right Out: 1283.420+/-0.292 χ^2/NDF: 368194.4/23

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1244.124+/-0.166 χ^2/NDF: 667169.8/43

All: 1251.779+/-0.118 χ^2/NDF: 1076922.1/90

- sign 1259.623+/-0.168 χ^2/NDF: 405466.7/46



Right In: 896.158+/-403.560 χ^2/NDF: 20.9/18

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

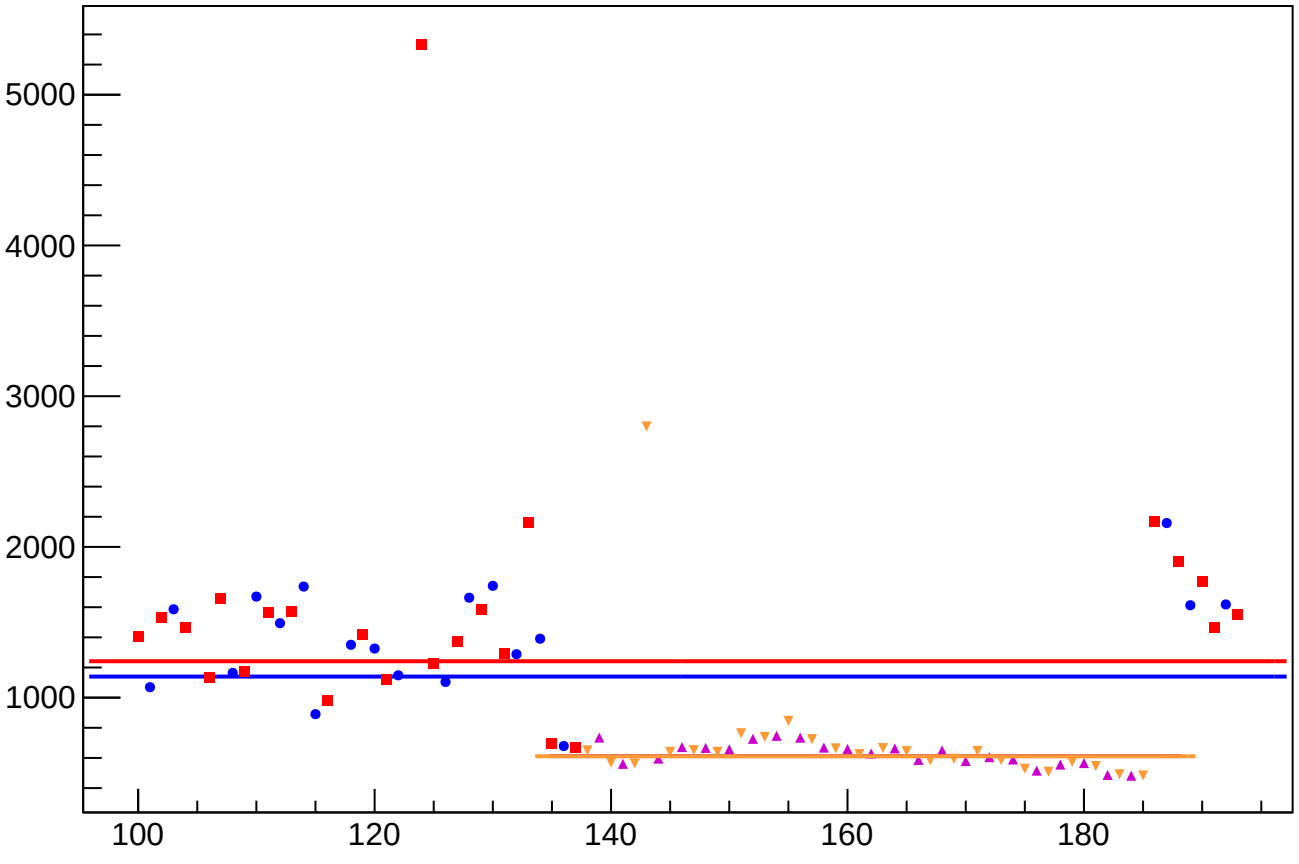
Right Out: 732.692+/-412.536 χ^2/NDF: 22.4/23

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

\+ sign 628.233+/-134.059 χ^2/NDF: 78.7/43

All: 406.625+/-95.525 χ^2/NDF: 134.4/90

\- sign 178.049+/-136.151 χ^2/NDF: 50.1/46



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: 1241.623+/-0.292 χ^2/NDF: 2071925.9/23

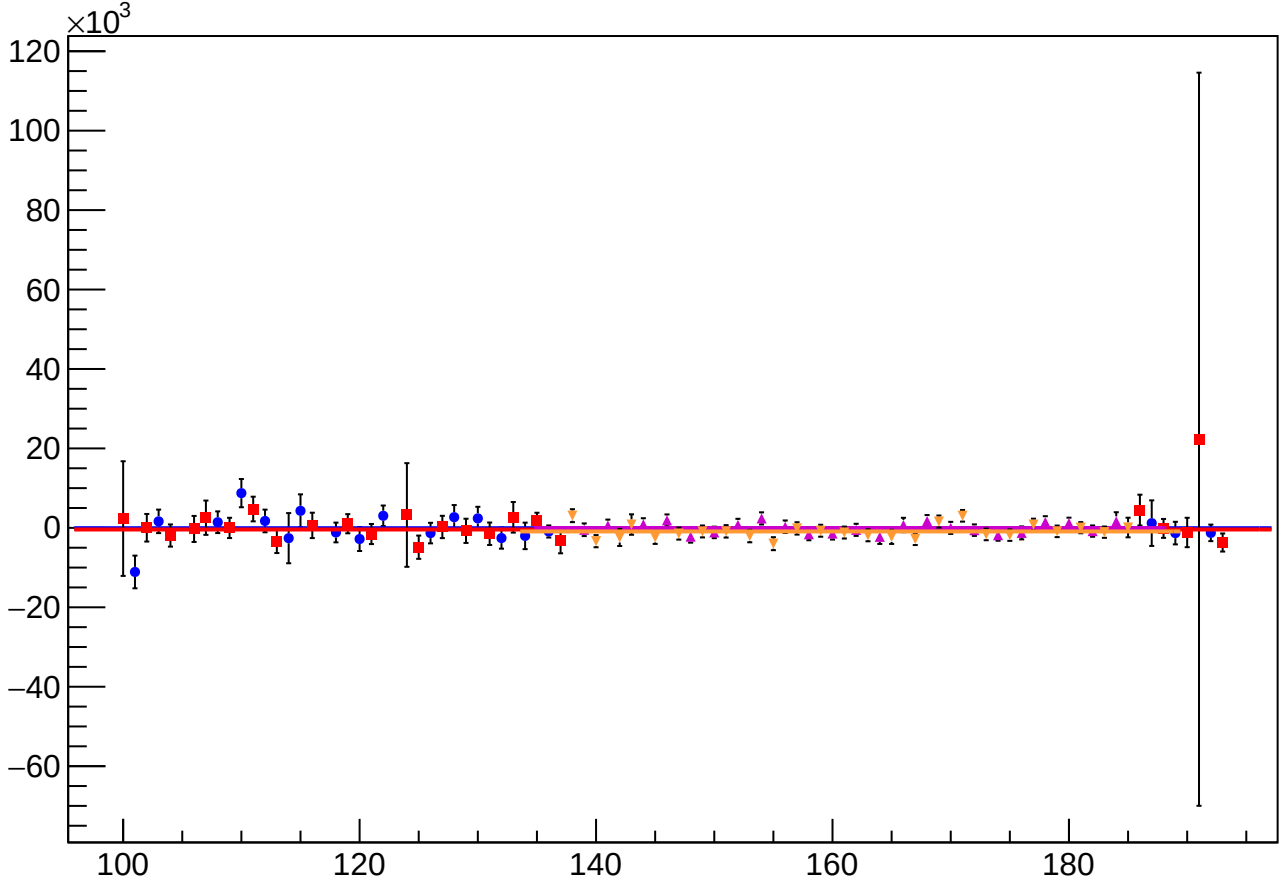
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

\+ sign 669.435+/-0.095 χ^2/NDF: 6411865.5/43

All: 675.096+/-0.068 χ^2/NDF: 13145679.9/90

\- sign 680.935+/-0.096 χ^2/NDF: 6726570.4/46

asym_atl_dd_atr_dd_dd_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: -415.079+/-626.000 χ^2/NDF: 14.2/23

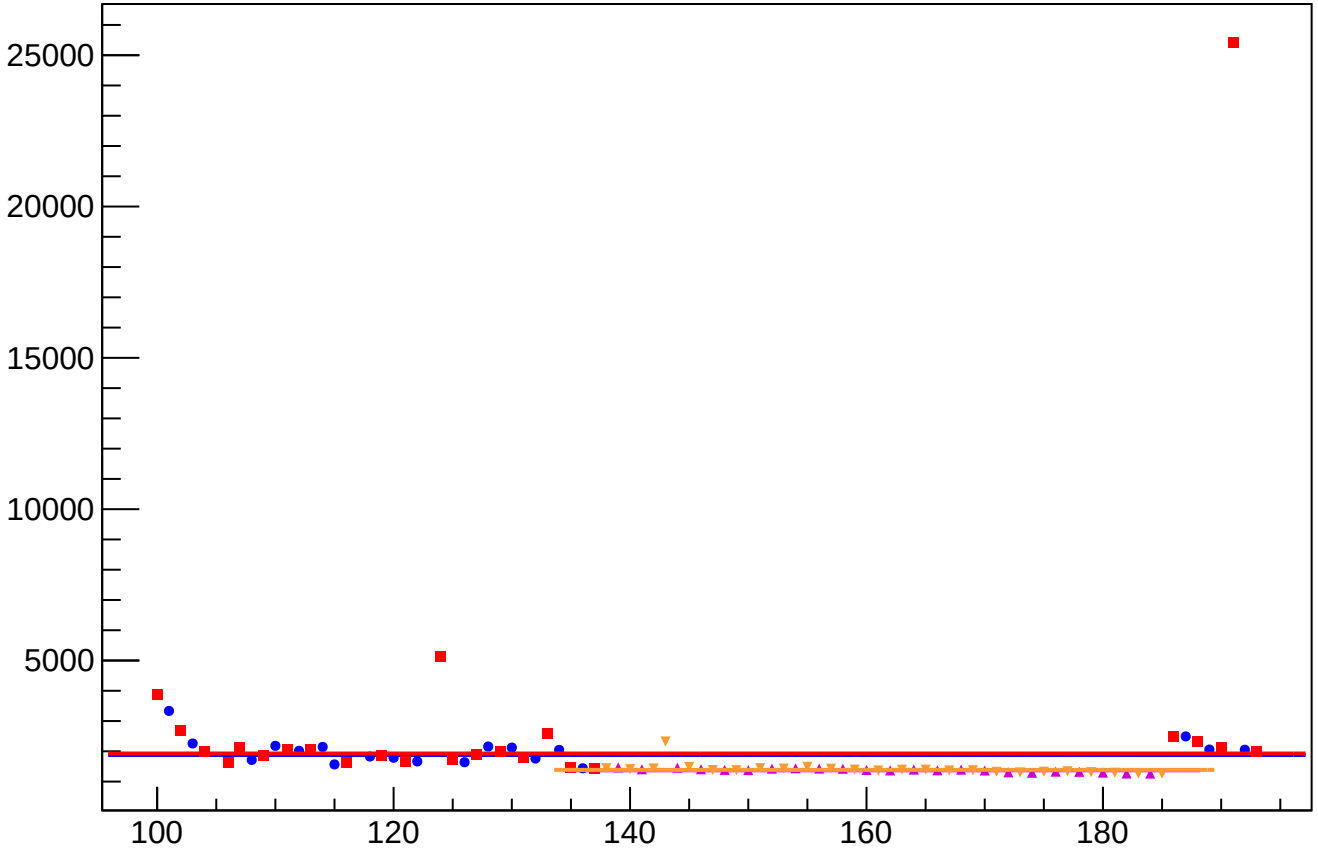
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -740.828+/-283.783 χ^2/NDF: 53.0/43

All: -434.635+/-201.299 χ^2/NDF: 87.7/90

- sign -124.539+/-285.586 χ^2/NDF: 32.3/46

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

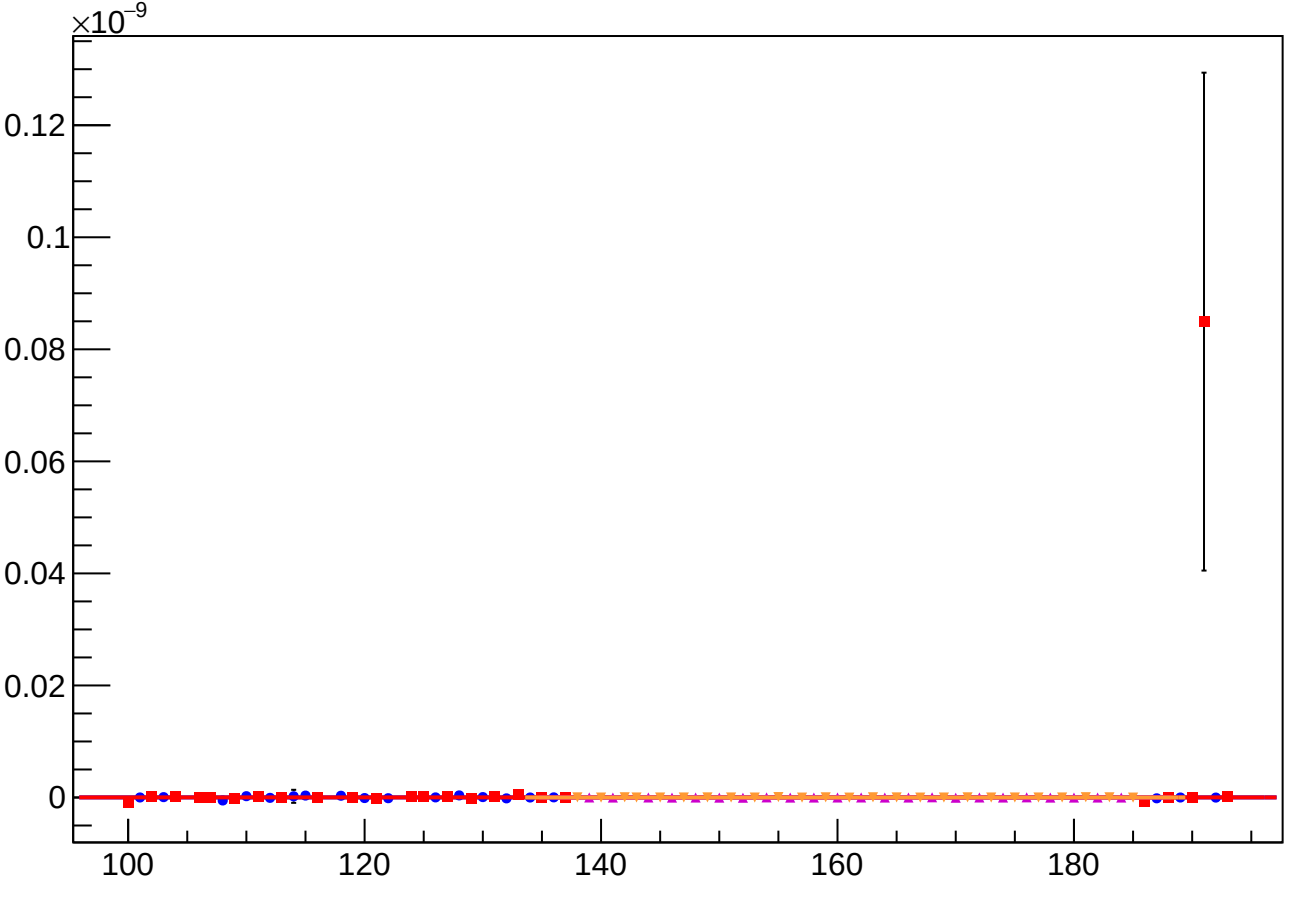
Right Out: 1927.382+/-0.443 χ^2/NDF: 776215.3/23

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1483.135+/-0.201 χ^2/NDF: 1893441.2/43

All: 1485.828+/-0.142 χ^2/NDF: 3975634.9/90

- sign 1488.554+/-0.202 χ^2/NDF: 2081831.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

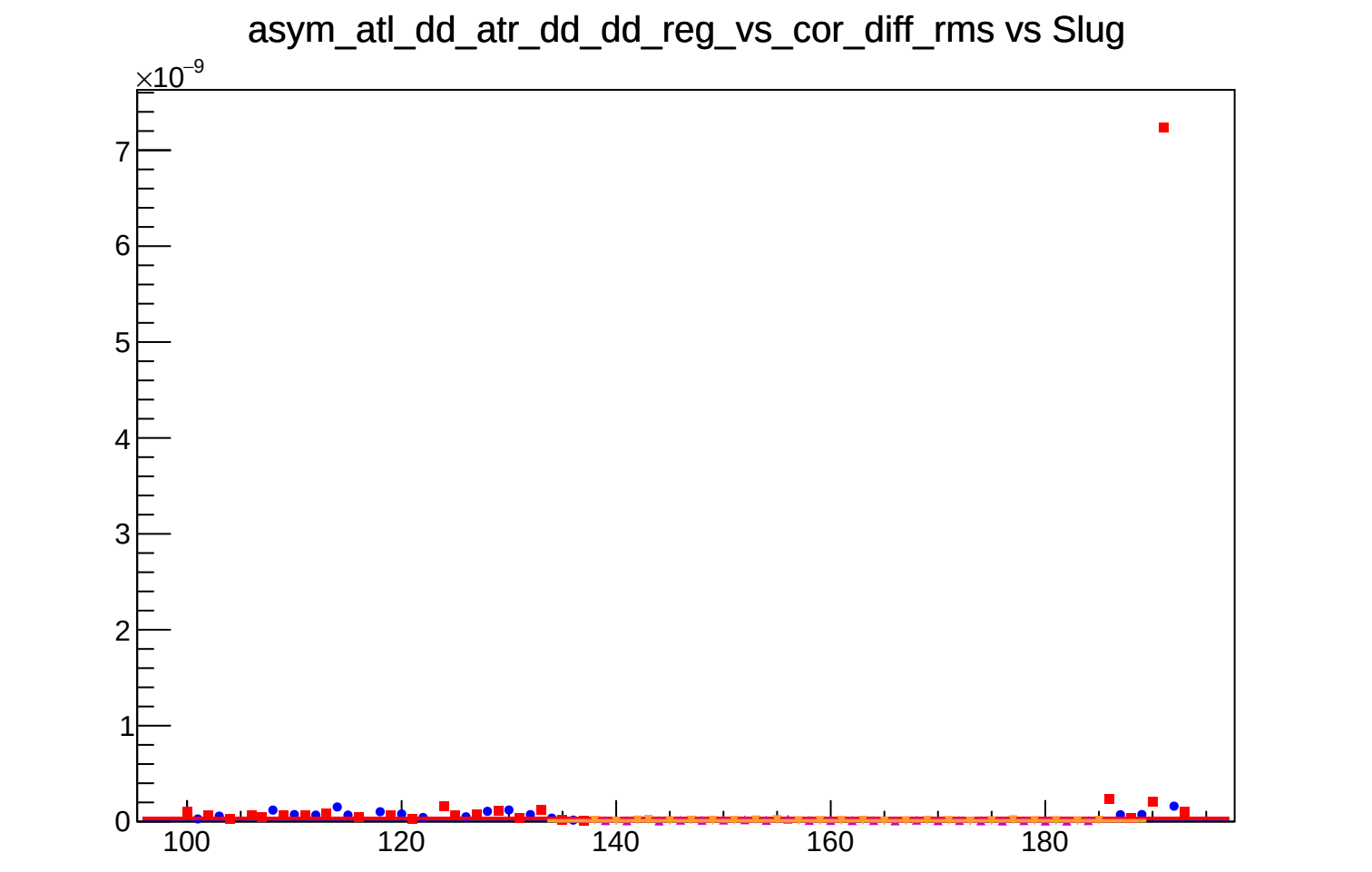
Right Out: 0.000+/-0.000 χ^2/NDF: 35.0/23

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: 92.6/90

- sign -0.000+/-0.000 χ^2/NDF: 49.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 3386043.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

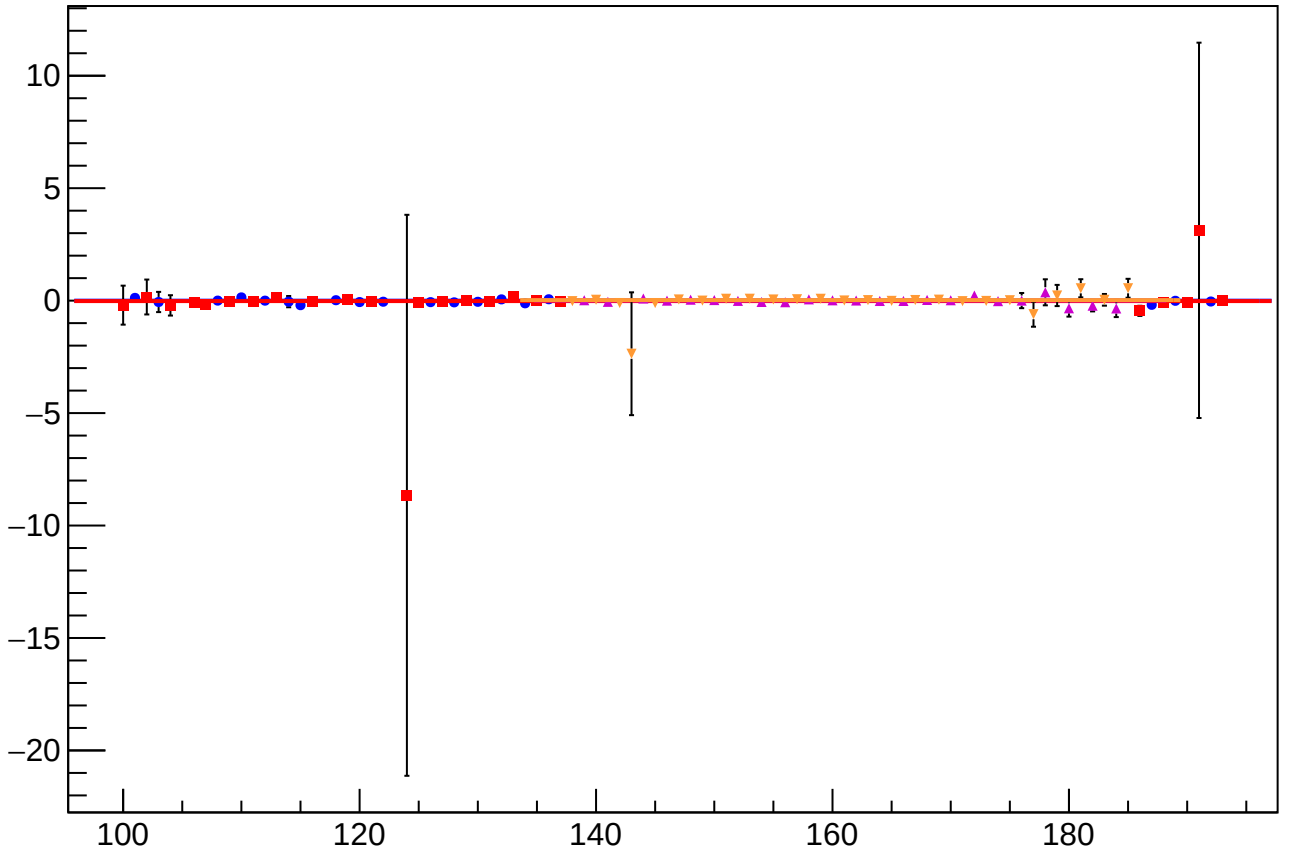
Right Out: 0.000+/-0.000 χ^2/NDF: 3241743.3/23

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: 14722705.2/90

- sign 0.000+/-0.000 χ^2/NDF: 6749378.1/46



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: -0.020+/-0.014 χ^2/NDF: 19.8/23

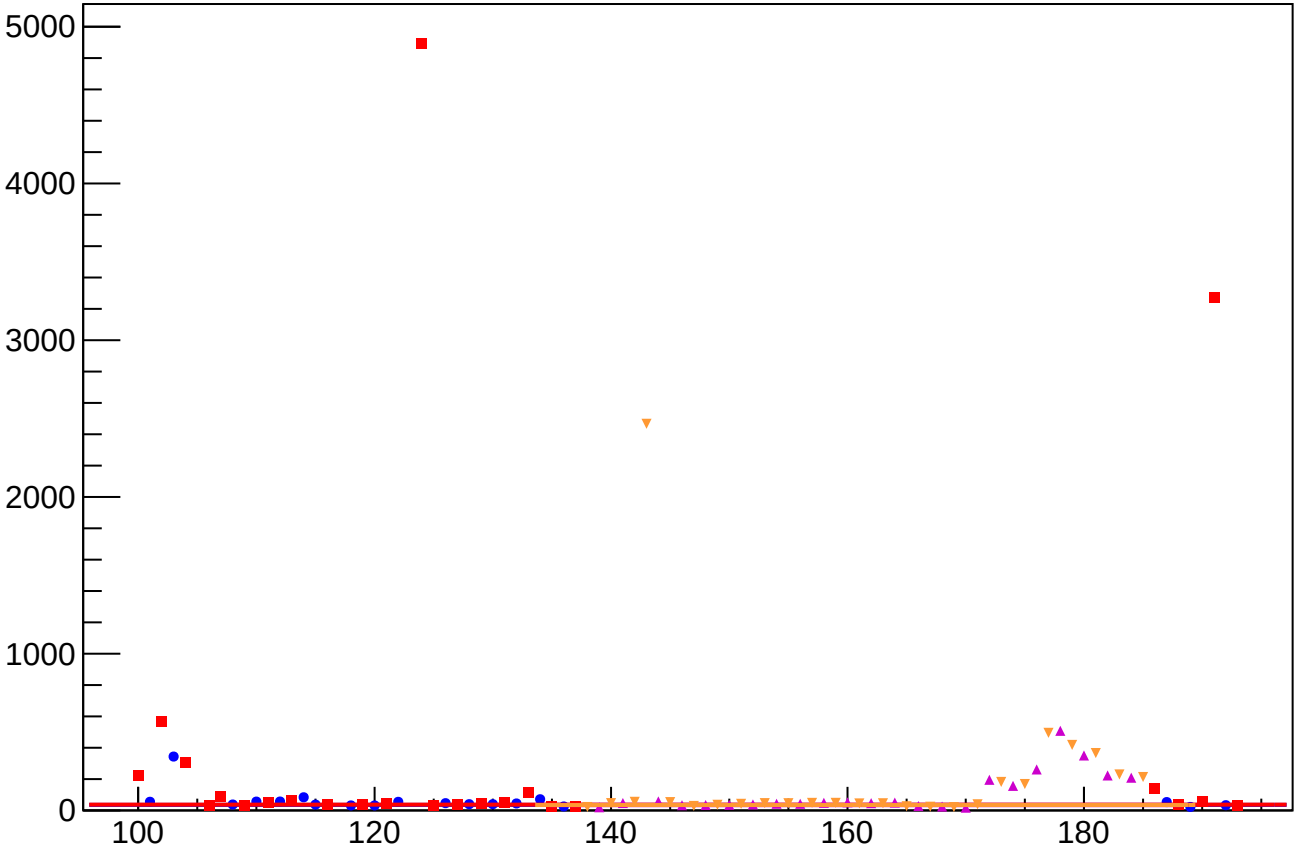
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.9/90

- sign -0.000+/-0.008 χ^2/NDF: 37.6/46

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

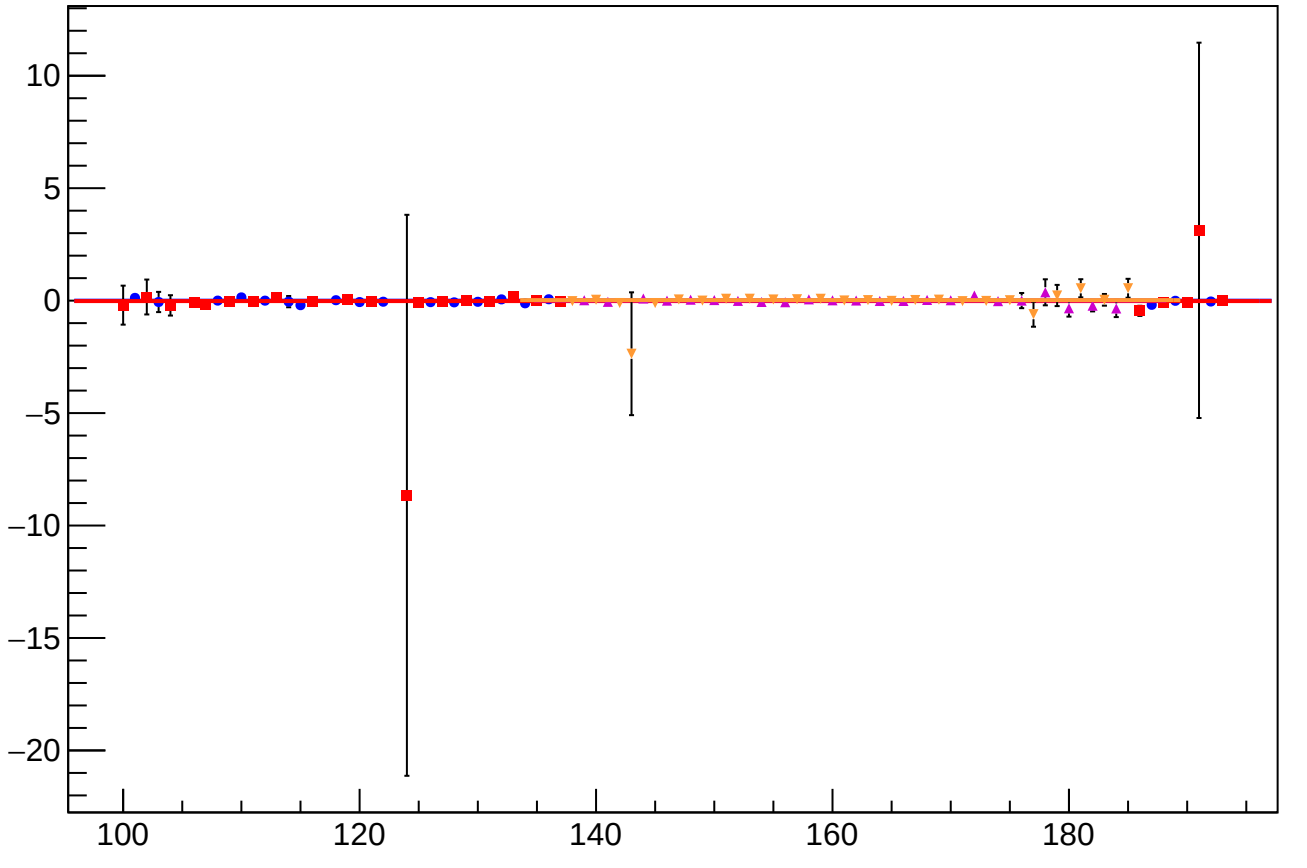
Right Out: 37.127+/-0.010 χ^2/NDF: 4026277.7/23

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.919+/-0.006 χ^2/NDF: 13666431.7/43

All: 34.835+/-0.004 χ^2/NDF: 27843534.2/90

\- sign 34.752+/-0.006 χ^2/NDF: 14176683.5/46



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

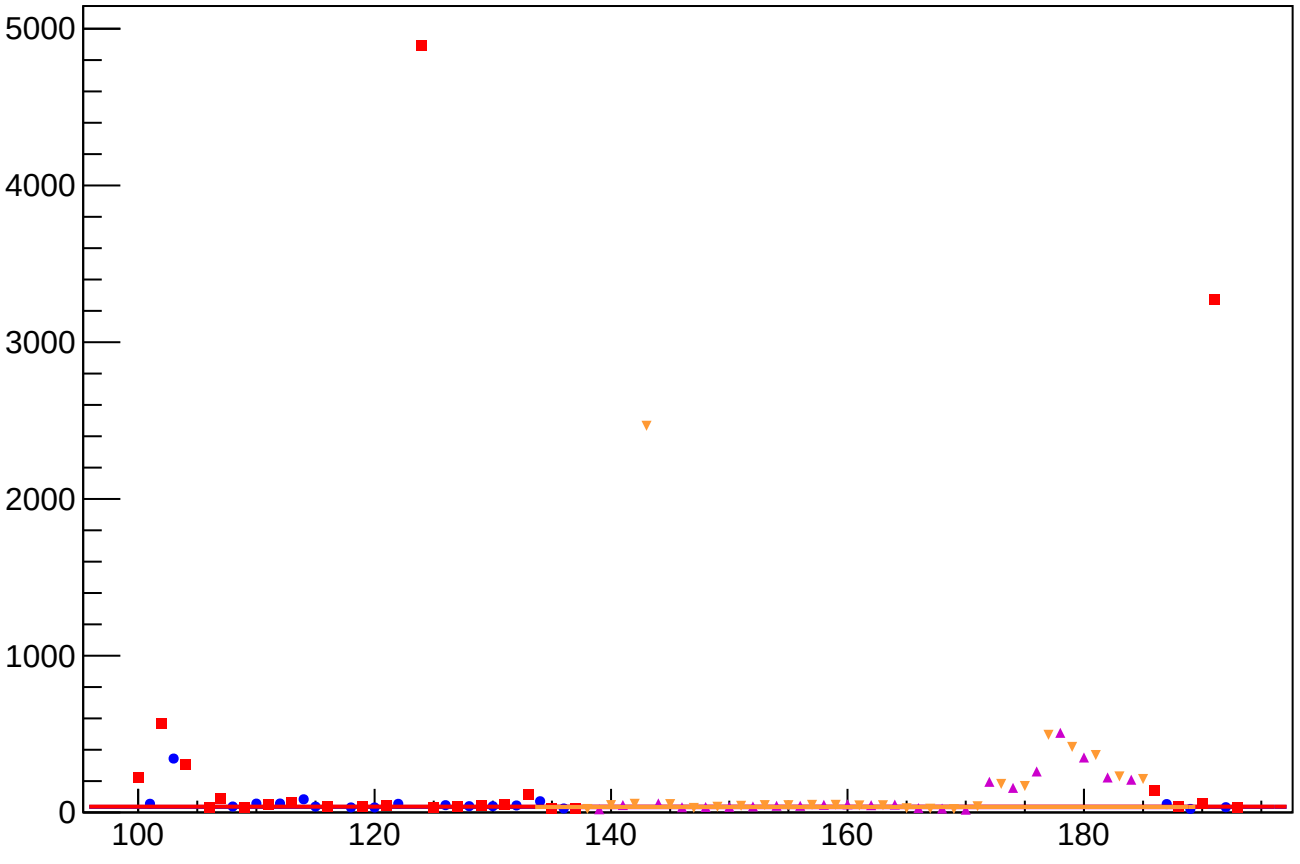
Right Out: -0.020+/-0.014 χ^2/NDF: 19.8/23

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: 86.9/90

- sign -0.000+/-0.008 χ^2/NDF: 37.6/46



Right In: 35.463+/-0.010 χ^2/NDF: 2259217.2/18

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

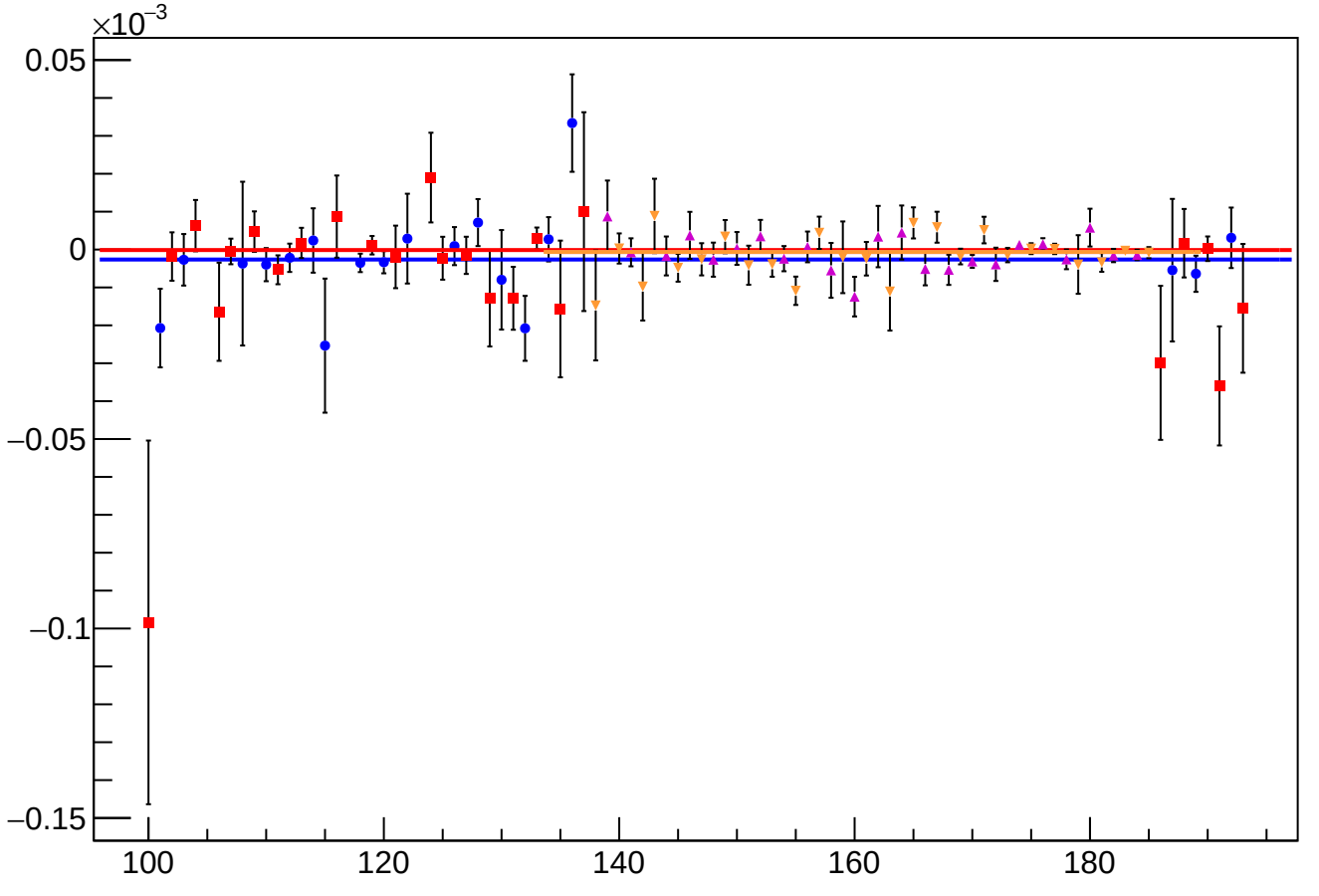
Right Out: 37.127+/-0.010 χ^2/NDF: 4026277.7/23

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 34.919+/-0.006 χ^2/NDF: 13666431.7/43

All: 34.835+/-0.004 χ^2/NDF: 27843534.2/90

- sign 34.752+/-0.006 χ^2/NDF: 14176683.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

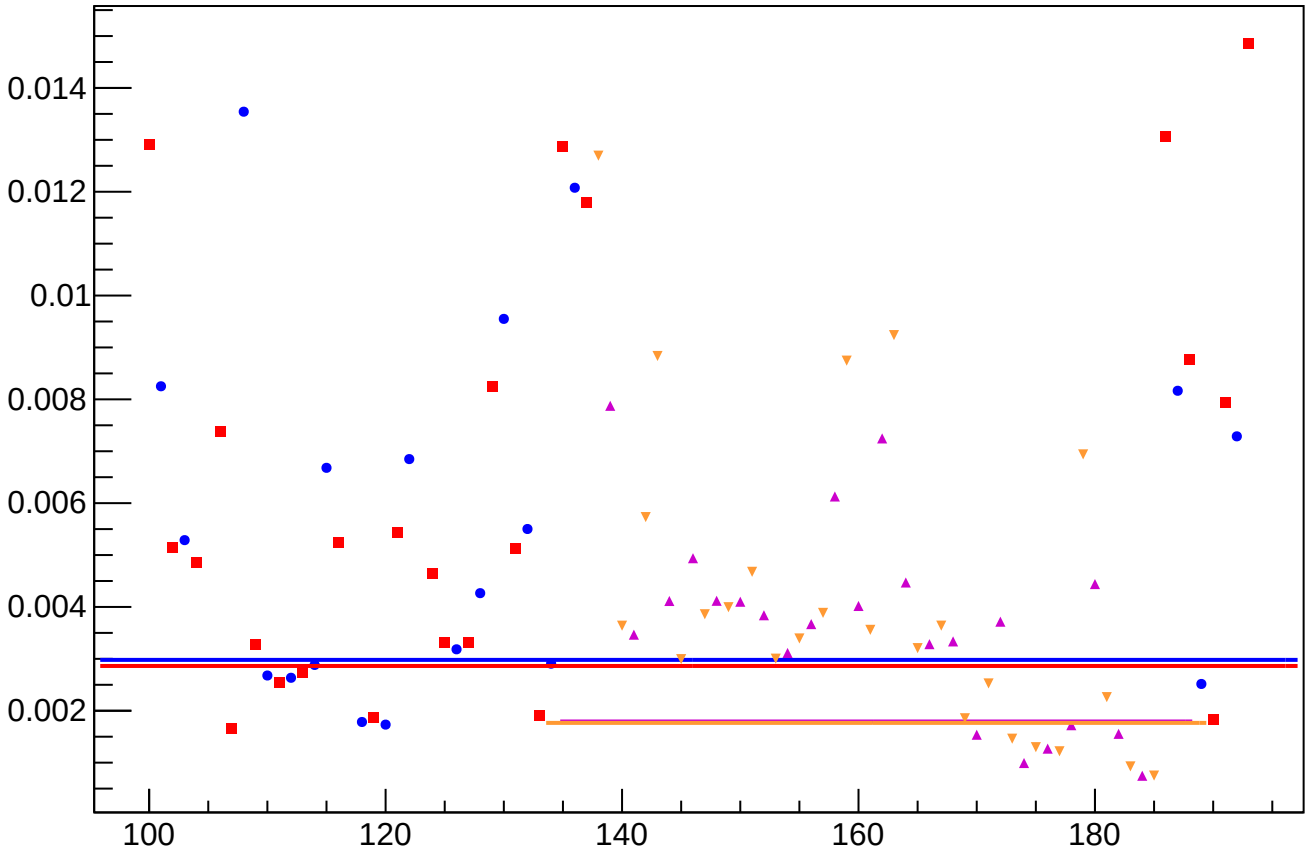
Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/23

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: 103.2/90

- sign -0.000+/-0.000 χ^2/NDF: 49.3/46



Right In: 0.003+/-0.000 χ^2/NDF: 4918690.9/18

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

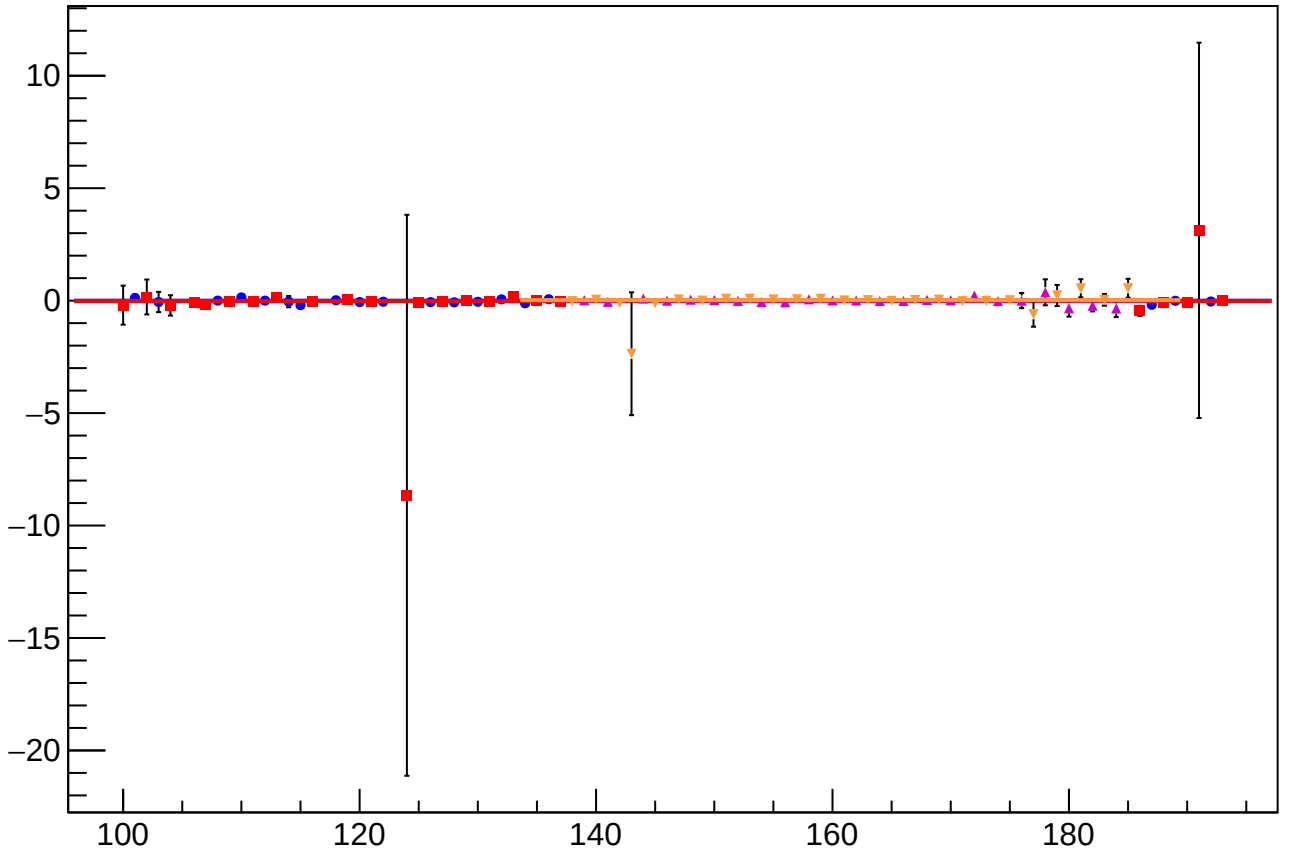
Right Out: 0.003+/-0.000 χ^2/NDF: 6089290.4/23

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: 37897459.9/90

- sign 0.002+/-0.000 χ^2/NDF: 18399718.8/46



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

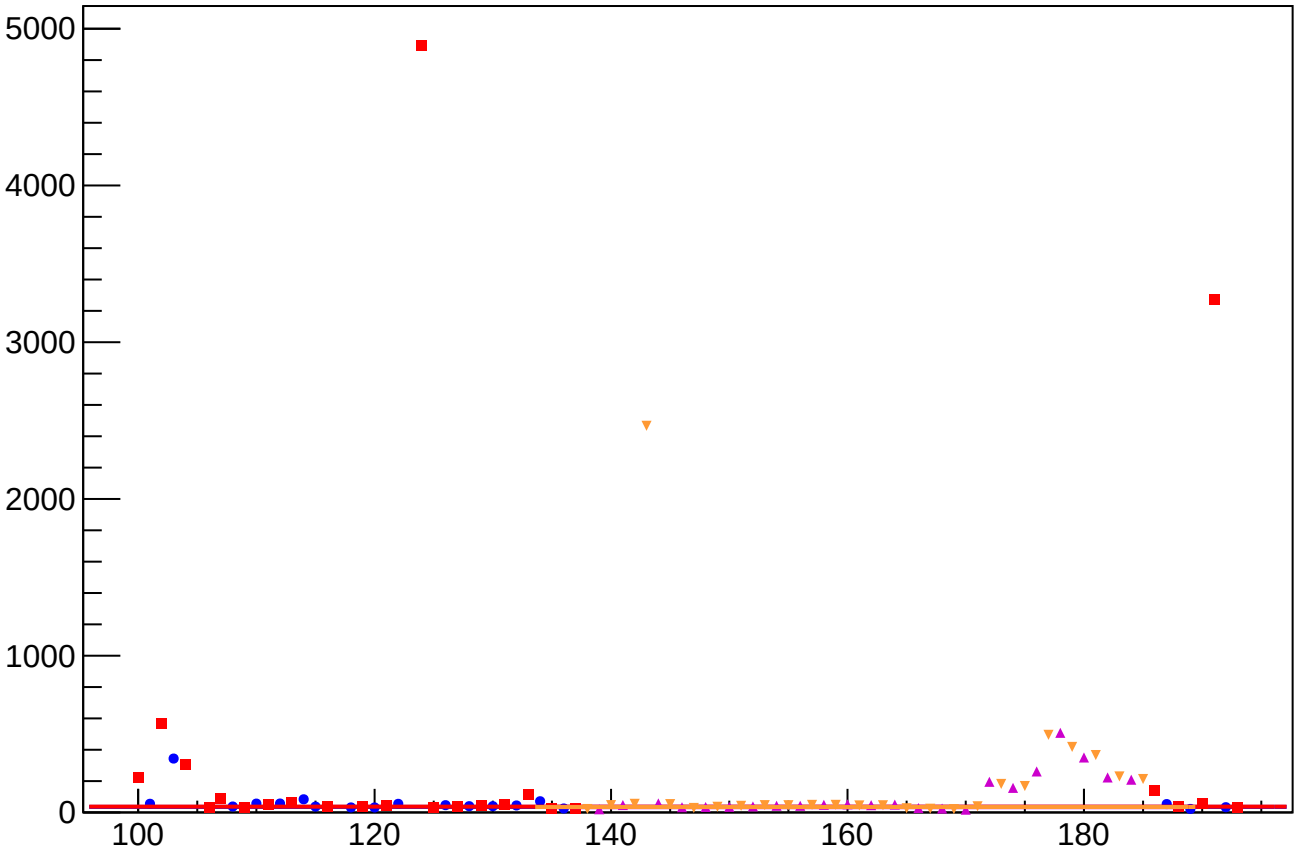
Right Out: -0.020+/-0.014 χ^2/NDF: 19.8/23

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: 86.9/90

- sign -0.000+/-0.008 χ^2/NDF: 37.6/46



Right In: 35.465+/-0.010 χ^2/NDF: 2258575.1/18

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

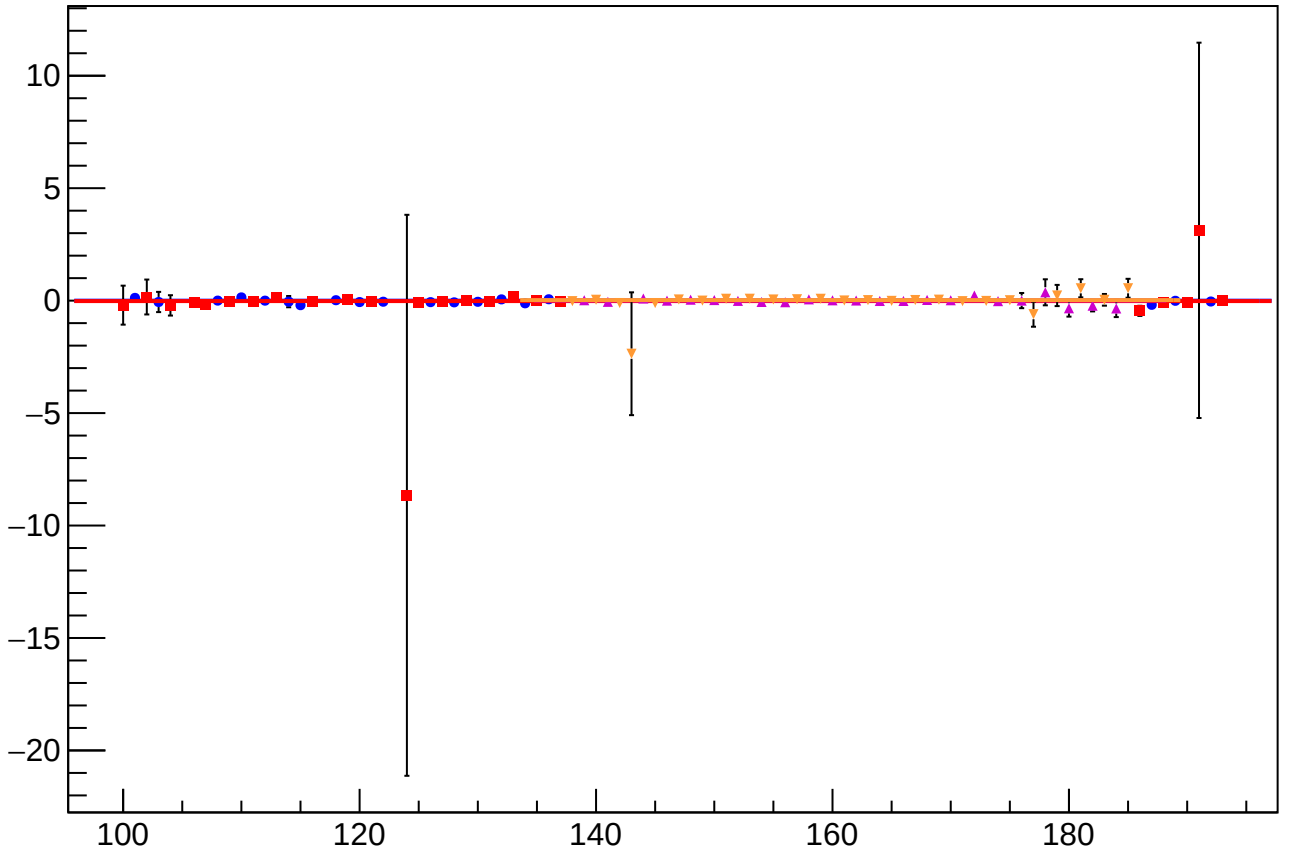
Right Out: 37.128+/-0.010 χ^2/NDF: 4026023.9/23

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 34.919+/-0.006 χ^2/NDF: 13665940.6/43

All: 34.836+/-0.004 χ^2/NDF: 27841437.7/90

\- sign 34.753+/-0.006 χ^2/NDF: 14175086.7/46



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

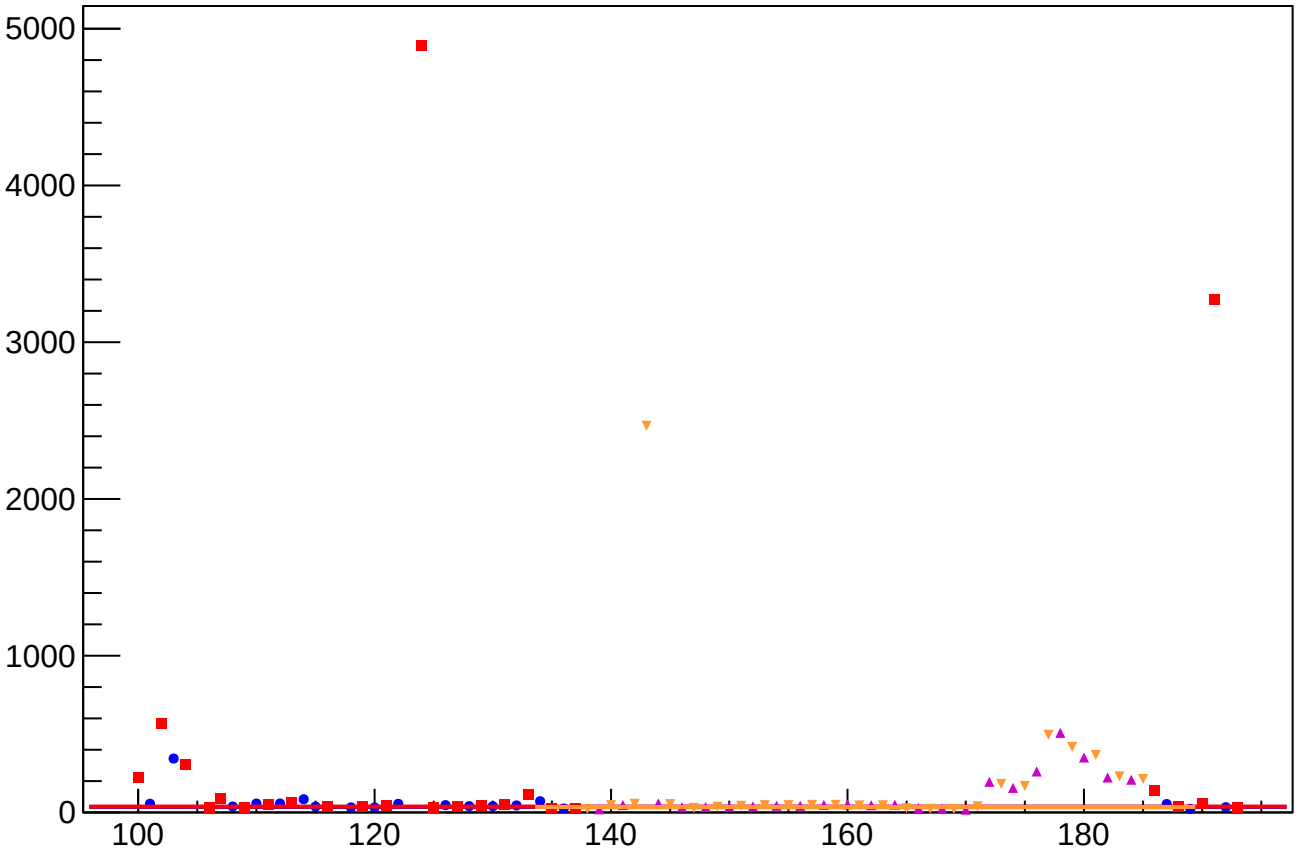
Right Out: -0.020+/-0.014 χ^2/NDF: 19.8/23

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: 86.9/90

- sign -0.000+/-0.008 χ^2/NDF: 37.6/46



Right In: 35.465+/-0.010 χ^2/NDF: 2258575.1/18

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

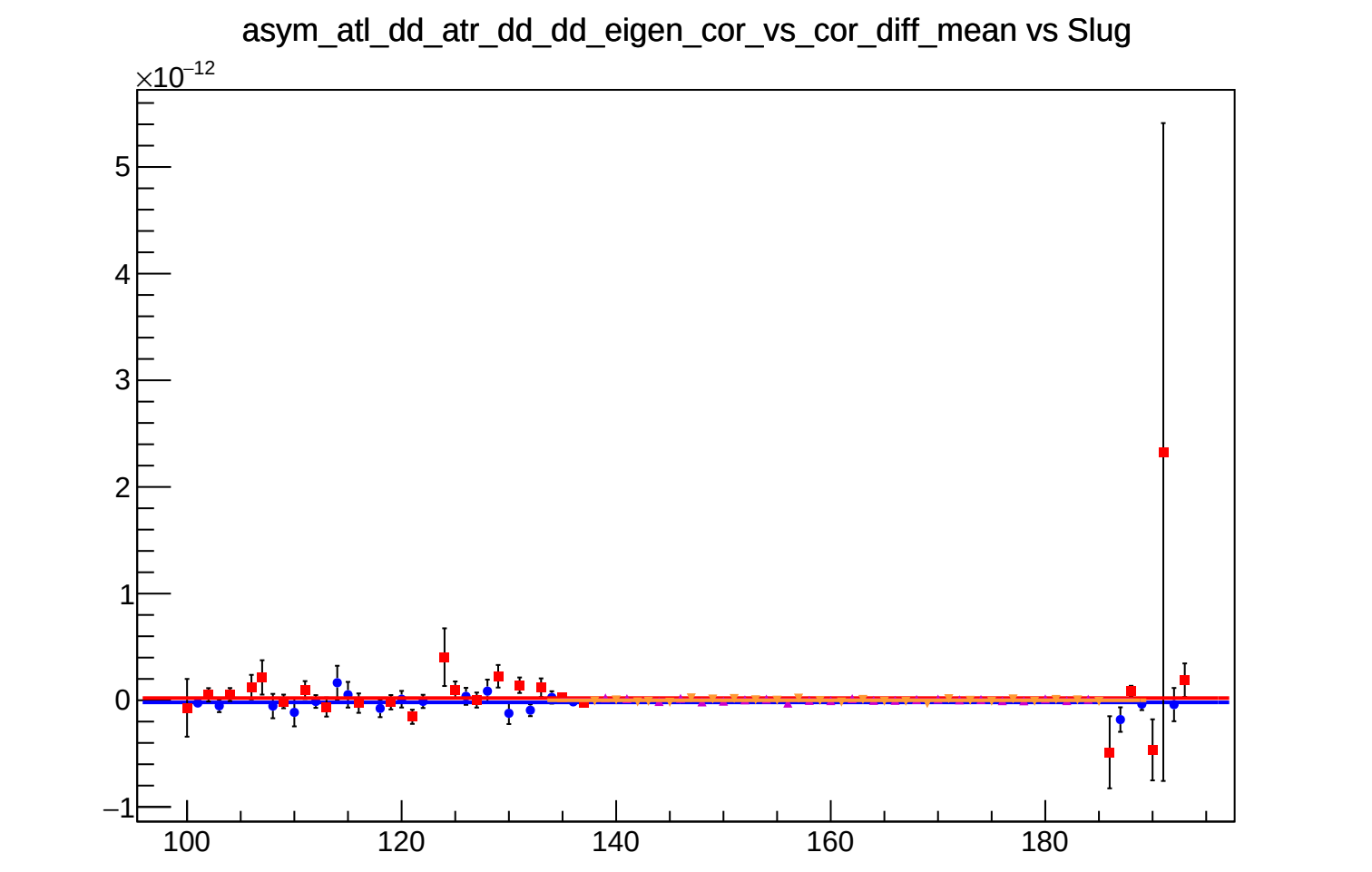
Right Out: 37.128+/-0.010 χ^2/NDF: 4026023.9/23

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.919+/-0.006 χ^2/NDF: 13665940.6/43

All: 34.836+/-0.004 χ^2/NDF: 27841437.7/90

- sign 34.753+/-0.006 χ^2/NDF: 14175086.7/46



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

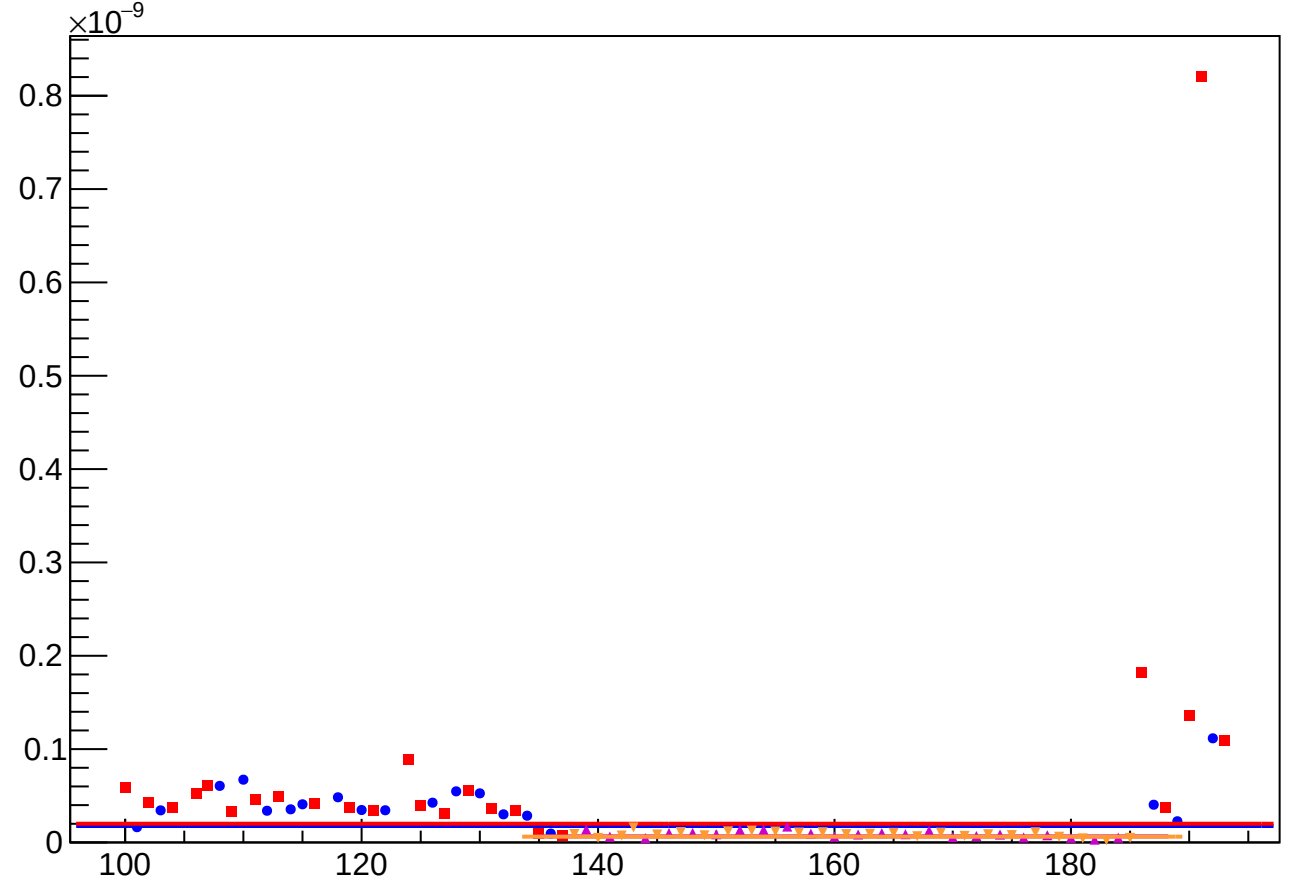
Right Out: 0.000+/-0.000 χ^2/NDF: 35.8/23

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: 100.9/90

- sign 0.000+/-0.000 χ^2/NDF: 58.6/46



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: 5523439.1/23

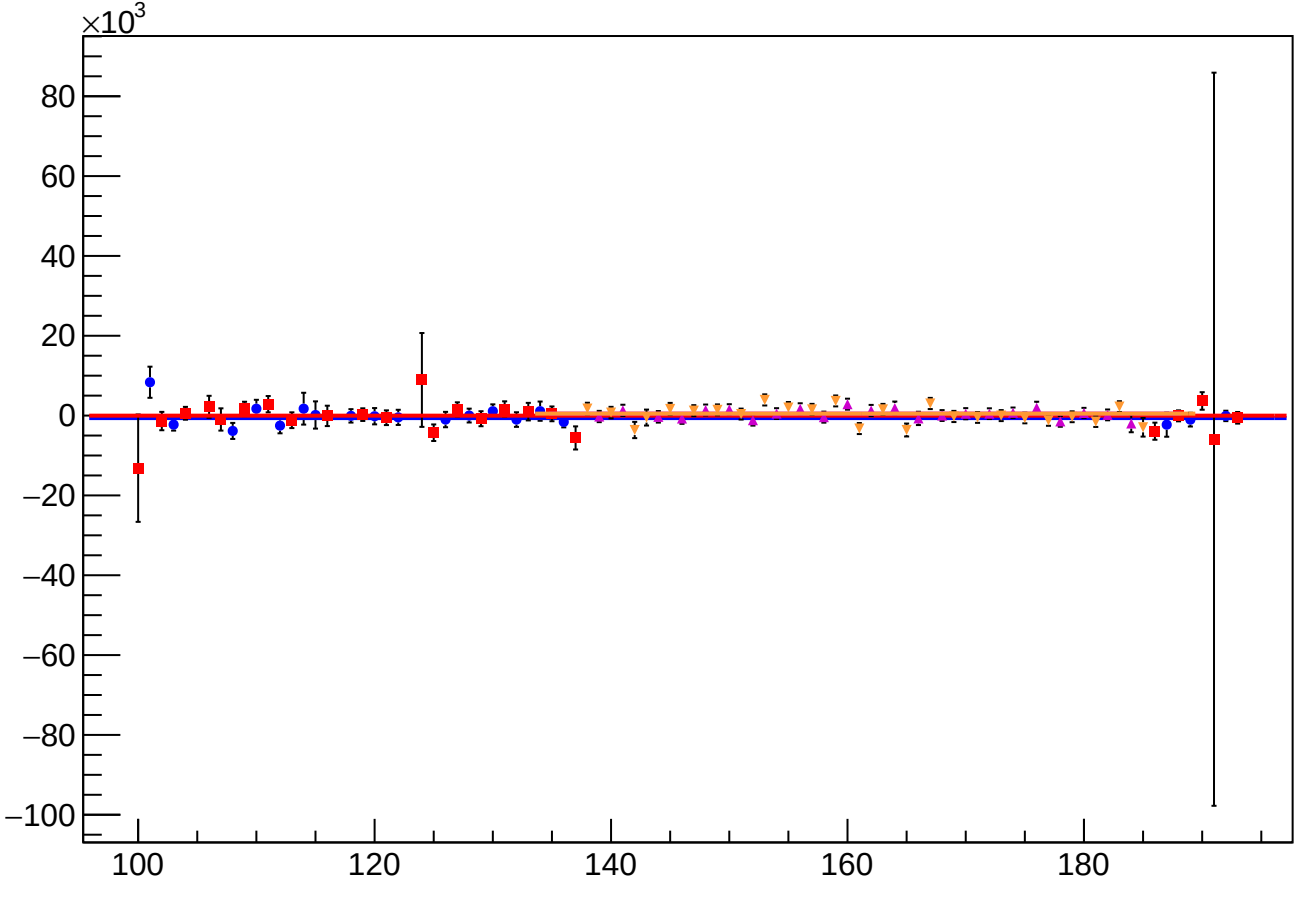
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11782598.5/43

All: 0.000+/-0.000 χ^2/NDF: 24393664.1/90

- sign 0.000+/-0.000 χ^2/NDF: 12585812.6/46

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: -18.998+/-421.514 χ^2/NDF: 22.1/23

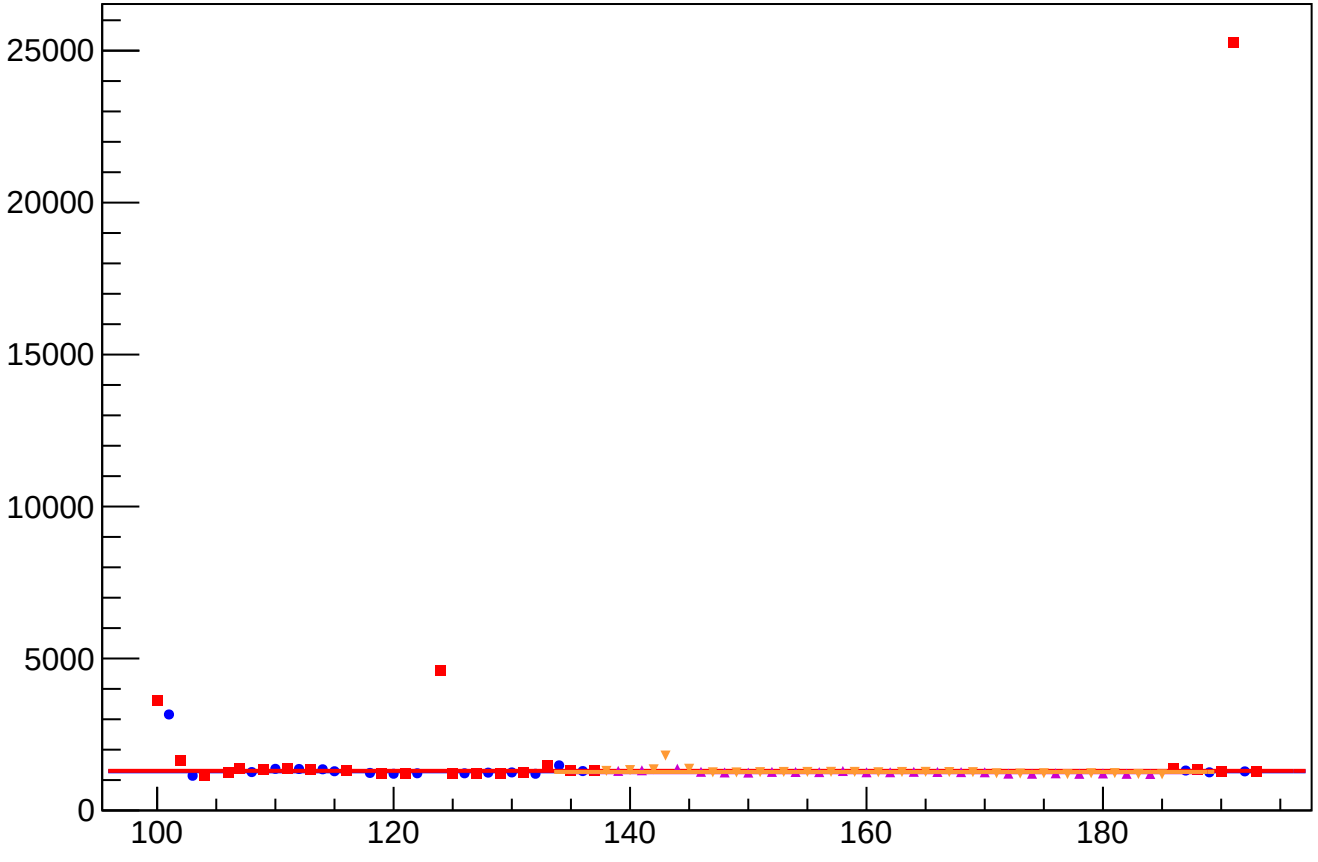
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 152.432+/-240.862 χ^2/NDF: 65.9/43

All: 236.892+/-170.368 χ^2/NDF: 103.7/90

- sign 321.456+/-241.011 χ^2/NDF: 37.5/46

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

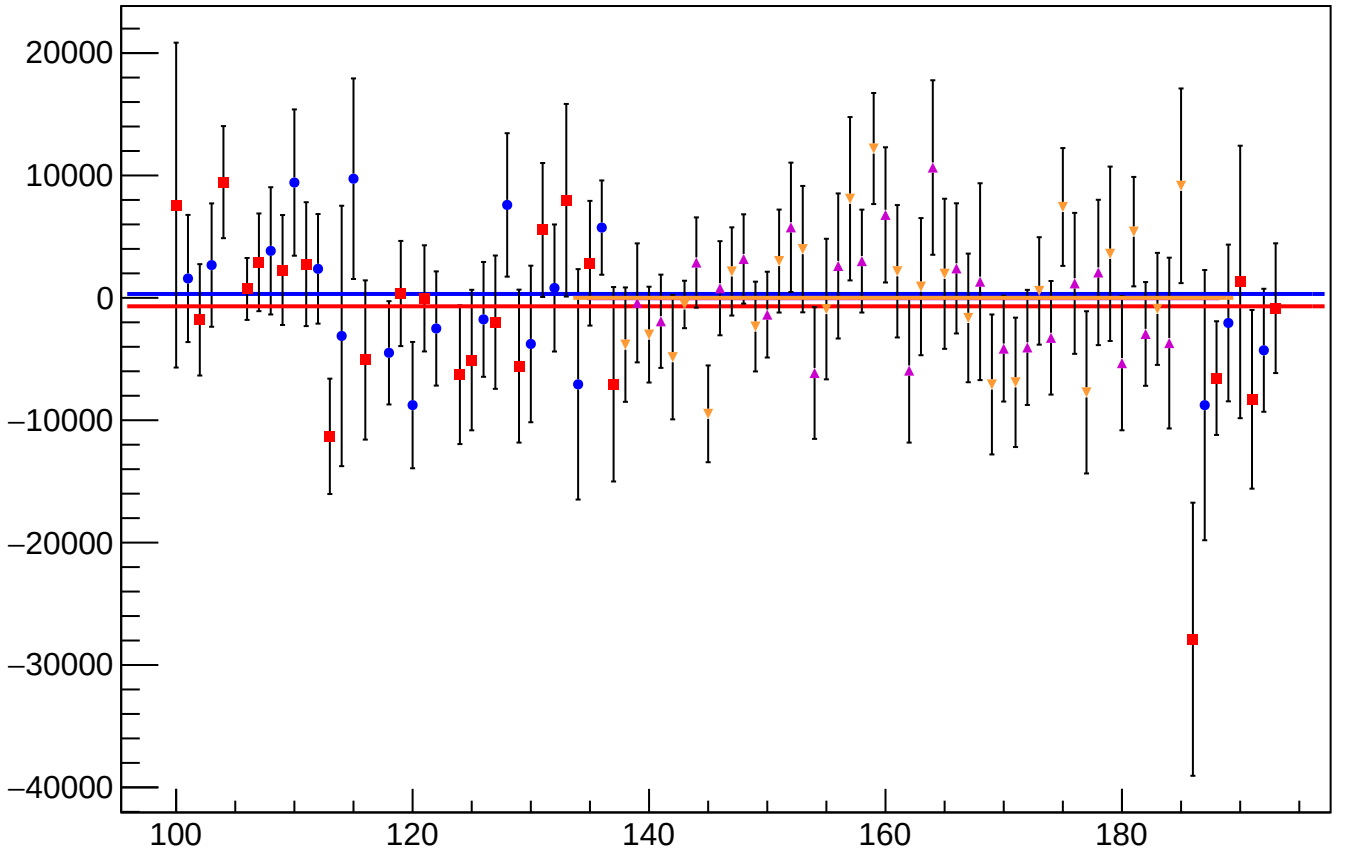
Right Out: 1303.467+/-0.297 χ^2/NDF: 465248.0/23

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706145.6/43

All: 1272.863+/-0.120 χ^2/NDF: 1224230.2/90

- sign 1272.602+/-0.170 χ^2/NDF: 518079.8/46



Right In: 317.922+/-1248.509 χ^2/NDF: 15.9/18

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

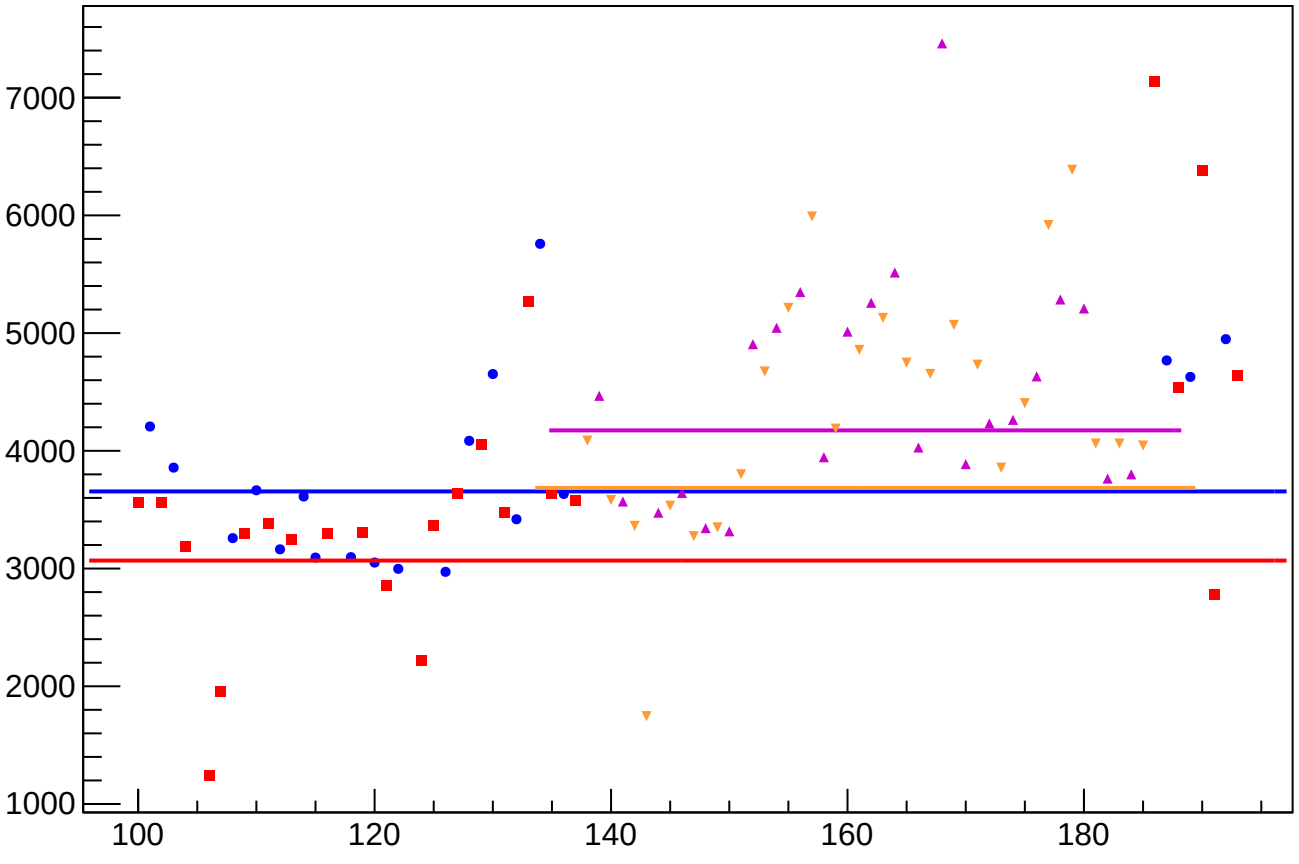
Right Out: -691.152+/-1038.706 χ^2/NDF: 27.5/23

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 106.157+/-722.814 χ^2/NDF: 45.0/43

All: -121.889+/-509.631 χ^2/NDF: 86.9/90

- sign -347.319+/-718.657 χ^2/NDF: 41.8/46



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: 3067.820+/-0.734 χ^2/NDF: 2400847.5/23

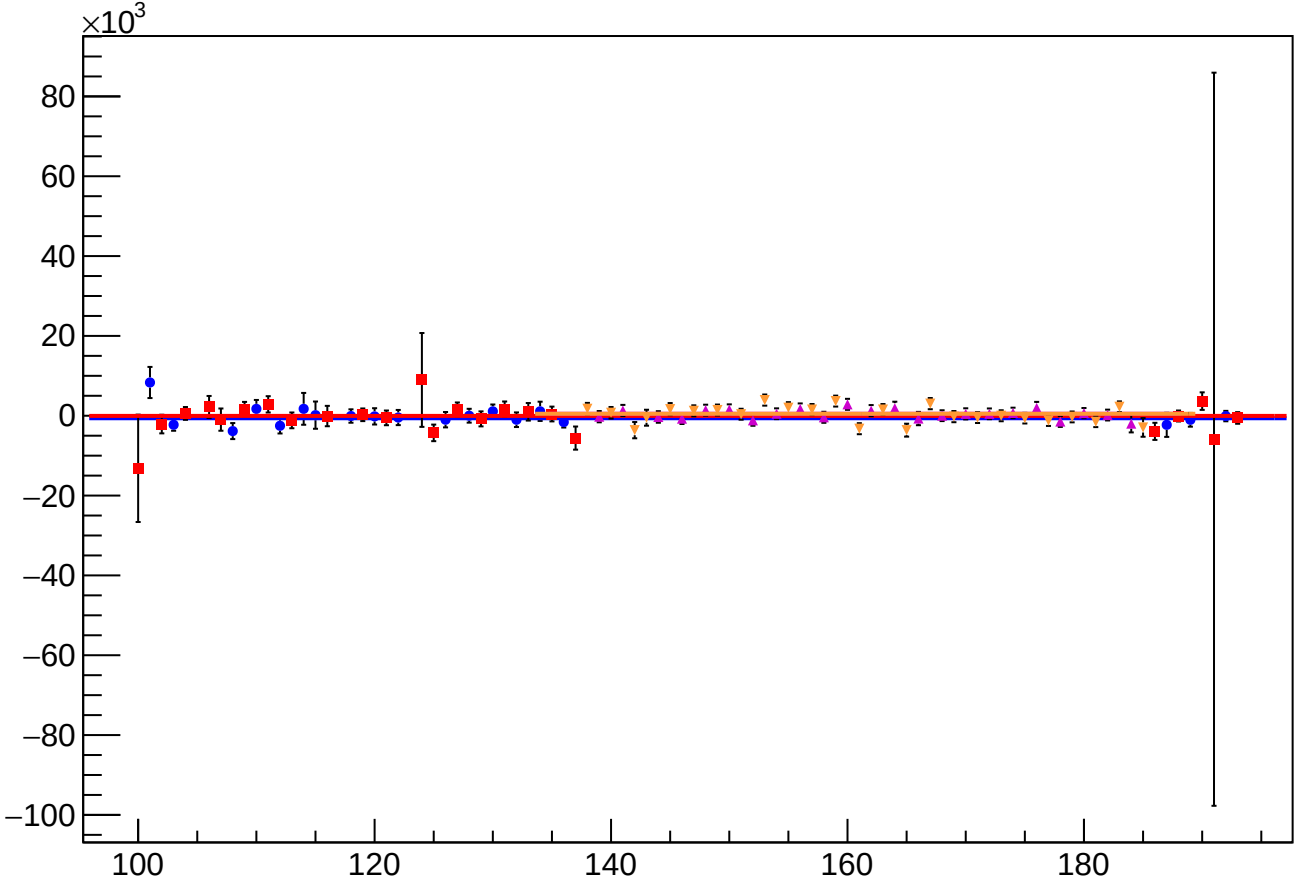
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3674.800+/-0.511 χ^2/NDF: 4272141.3/43

All: 3659.435+/-0.360 χ^2/NDF: 9131275.0/90

- sign 3644.247+/-0.508 χ^2/NDF: 4857336.6/46

cor_asym_at1_avg_at2_avg_dd_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: -40.726+/-421.723 χ^2/NDF: 22.6/23

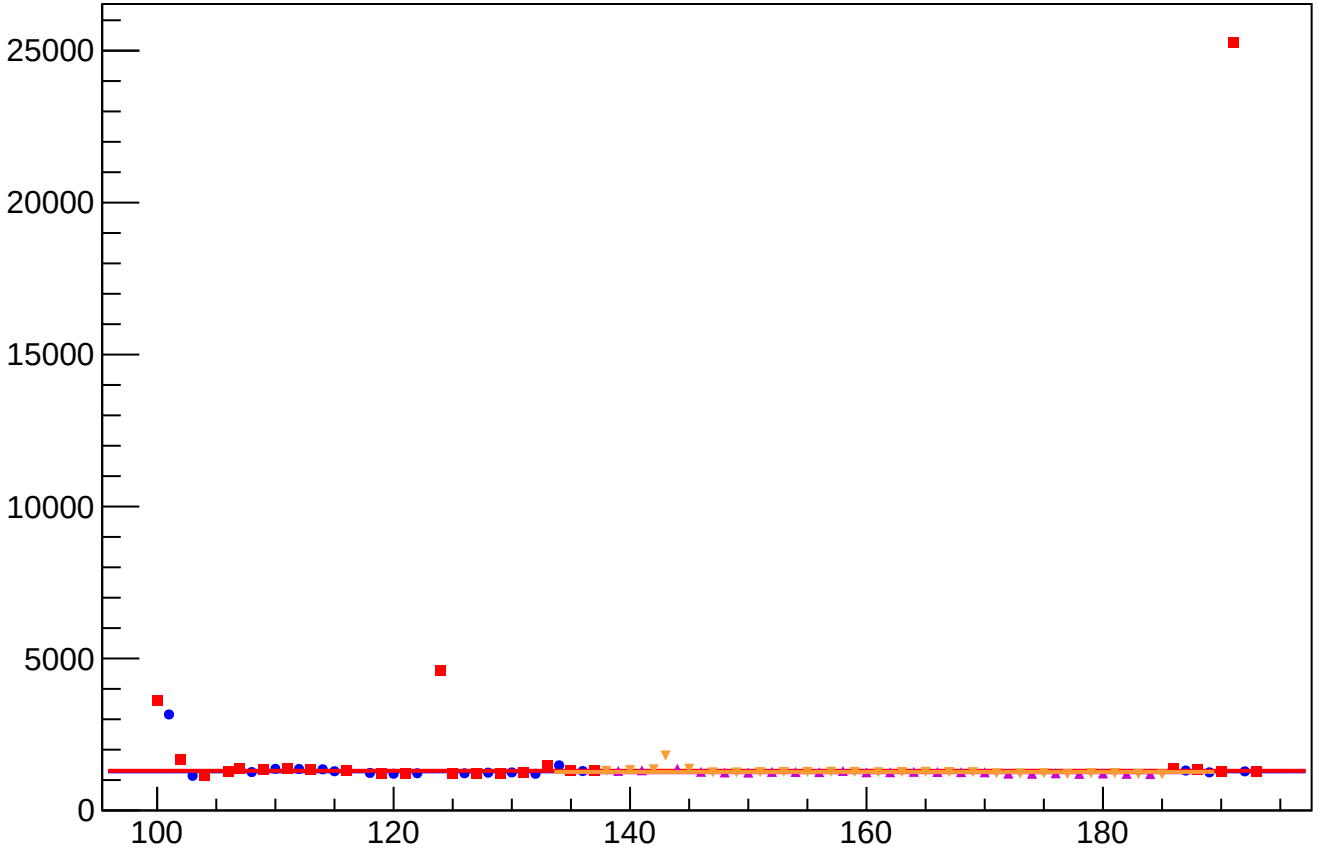
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 233.310+/-170.382 χ^2/NDF: 104.2/90

- sign 314.399+/-241.050 χ^2/NDF: 38.1/46

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

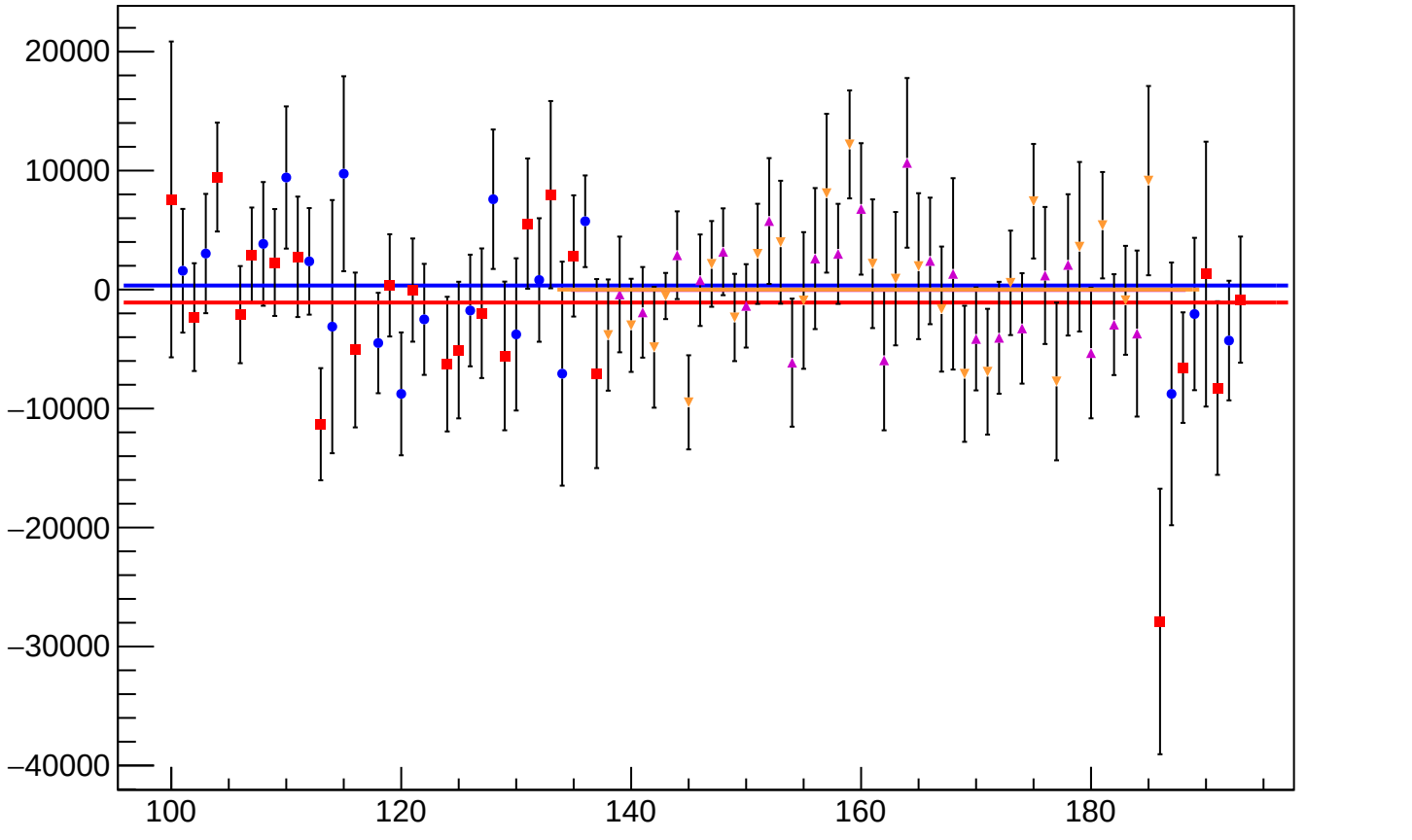
Right Out: 1304.993+/-0.298 χ^2/NDF: 471624.2/23

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.102+/-0.120 χ^2/NDF: 1231660.7/90

- sign 1273.080+/-0.170 χ^2/NDF: 525513.7/46



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

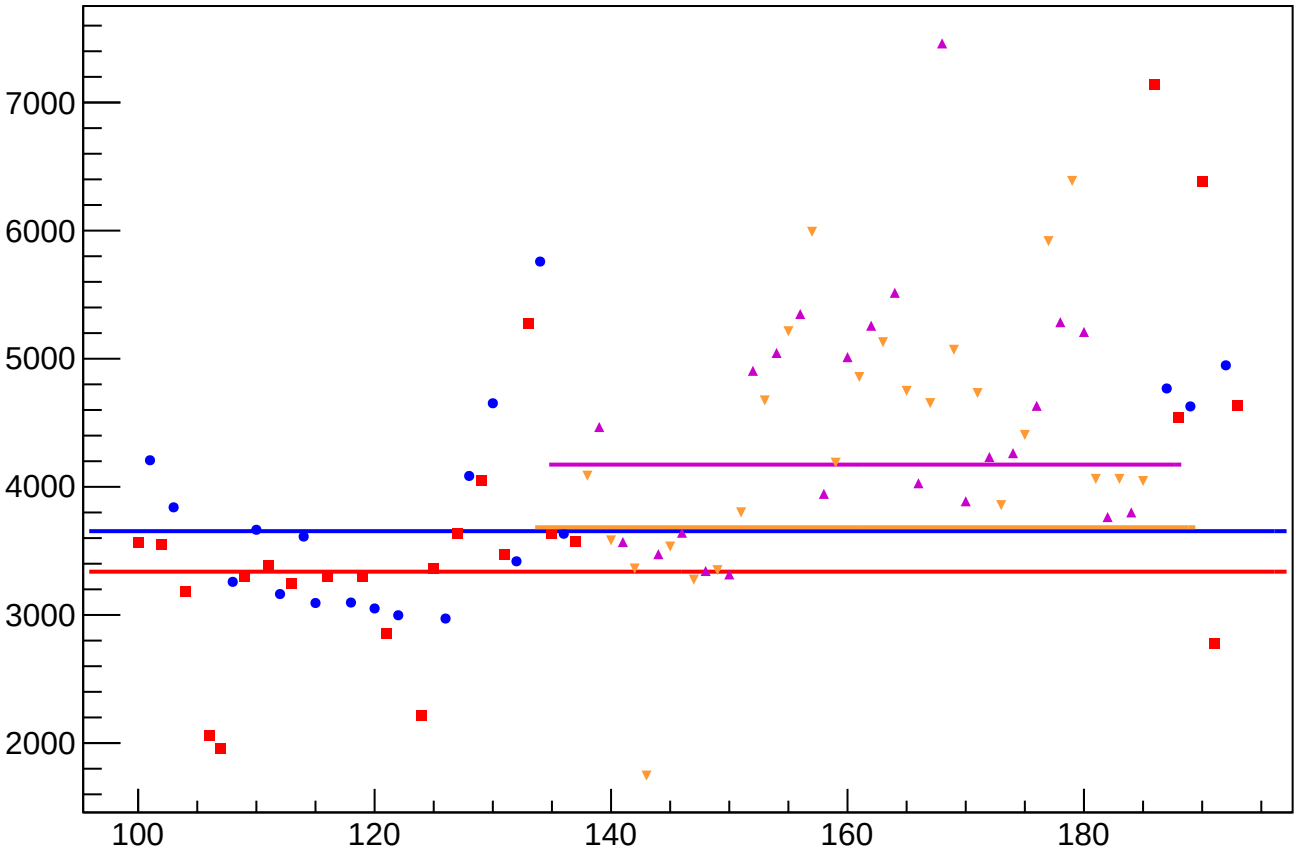
Right Out: -1089.915+/-1096.873 χ^2/NDF: 27.3/23

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 114.011+/-722.740 χ^2/NDF: 45.0/43

All: -191.621+/-516.057 χ^2/NDF: 87.2/90

- sign -509.521+/-737.102 χ^2/NDF: 41.8/46



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

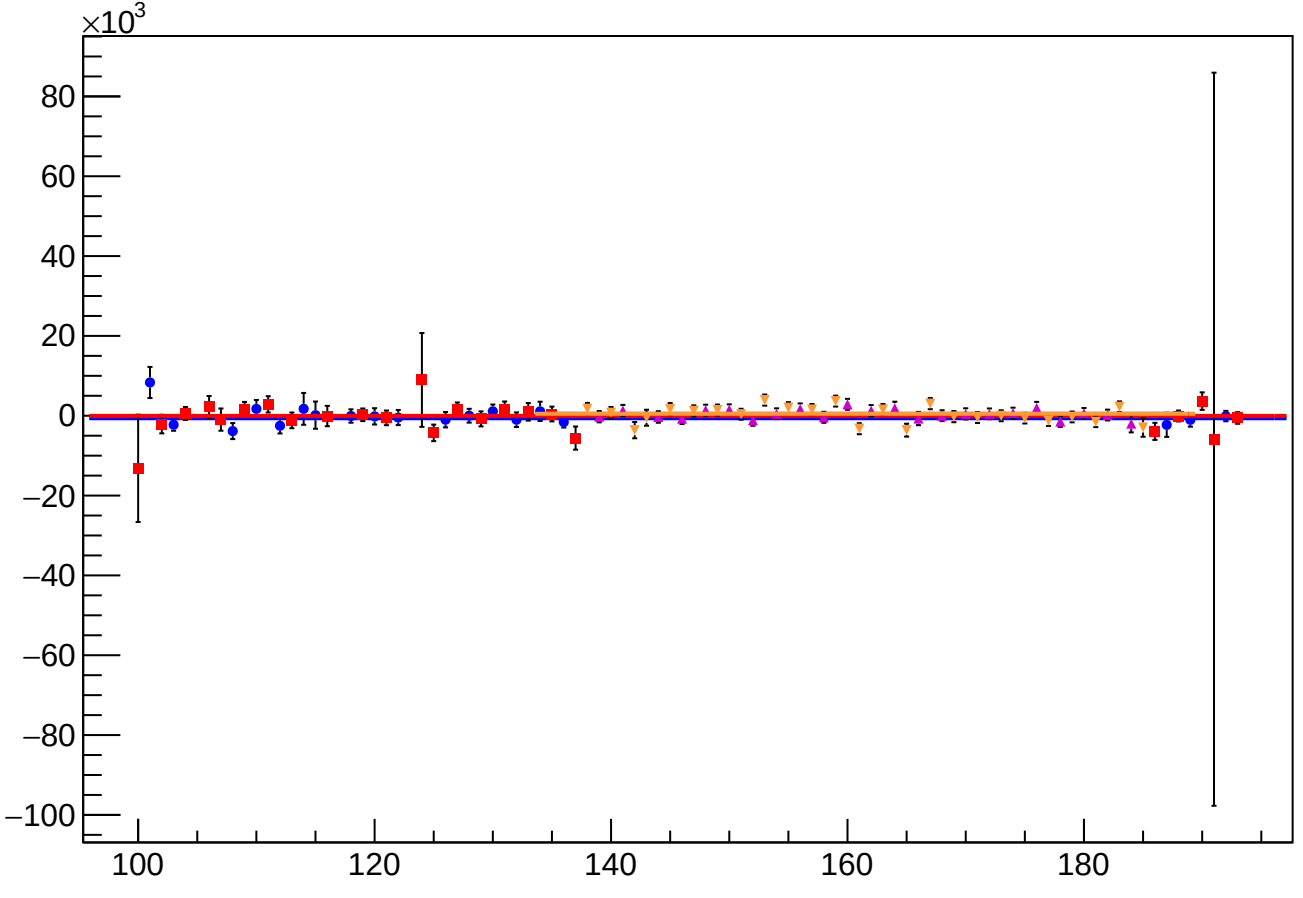
Right Out: 3337.829+/-0.776 χ^2/NDF: 1357527.1/23

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3734.122+/-0.365 χ^2/NDF: 7568800.0/90

- sign 3796.148+/-0.521 χ^2/NDF: 3269211.9/46



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: -40.726+/-421.723 χ^2/NDF: 22.6/23

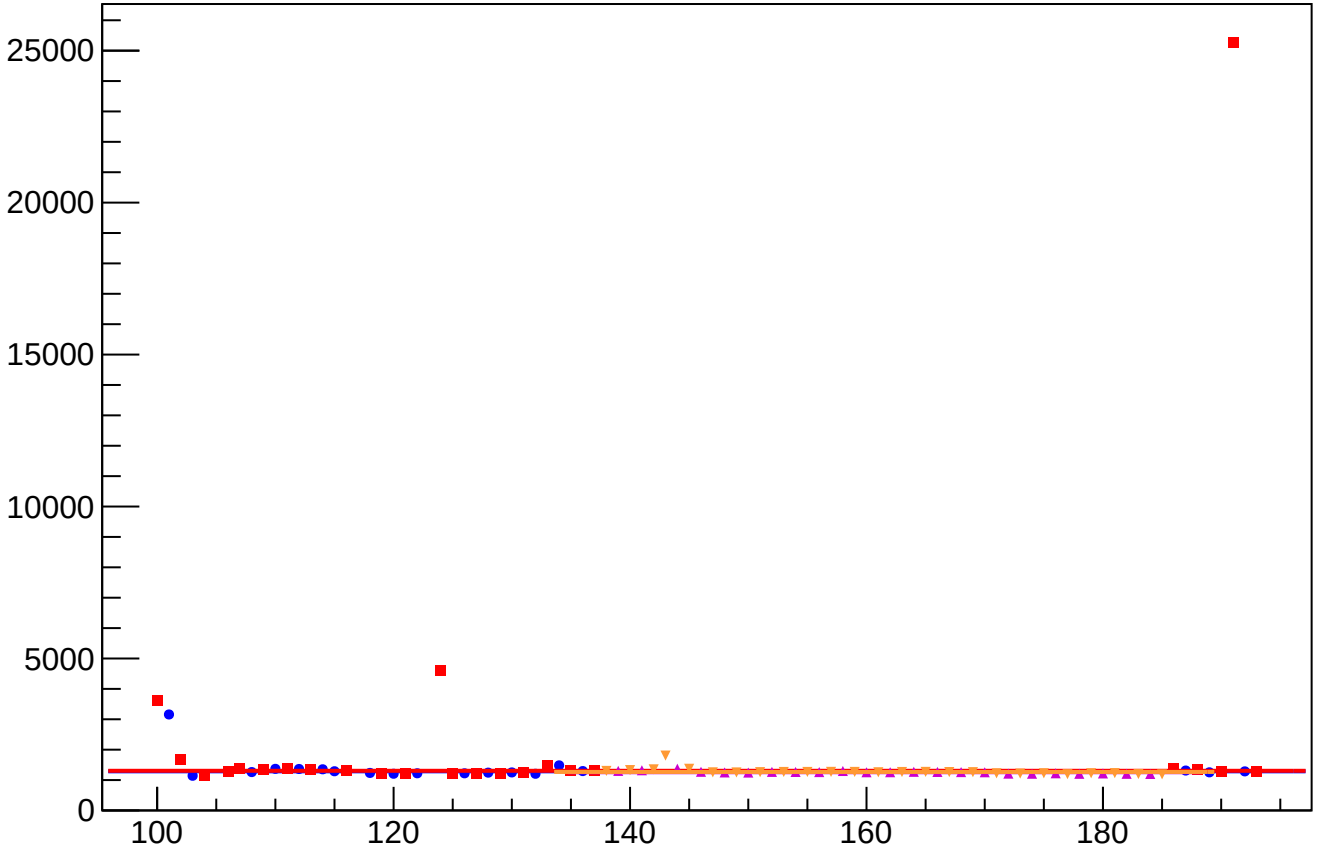
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 233.310+/-170.382 χ^2/NDF: 104.2/90

- sign 314.399+/-241.050 χ^2/NDF: 38.1/46

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

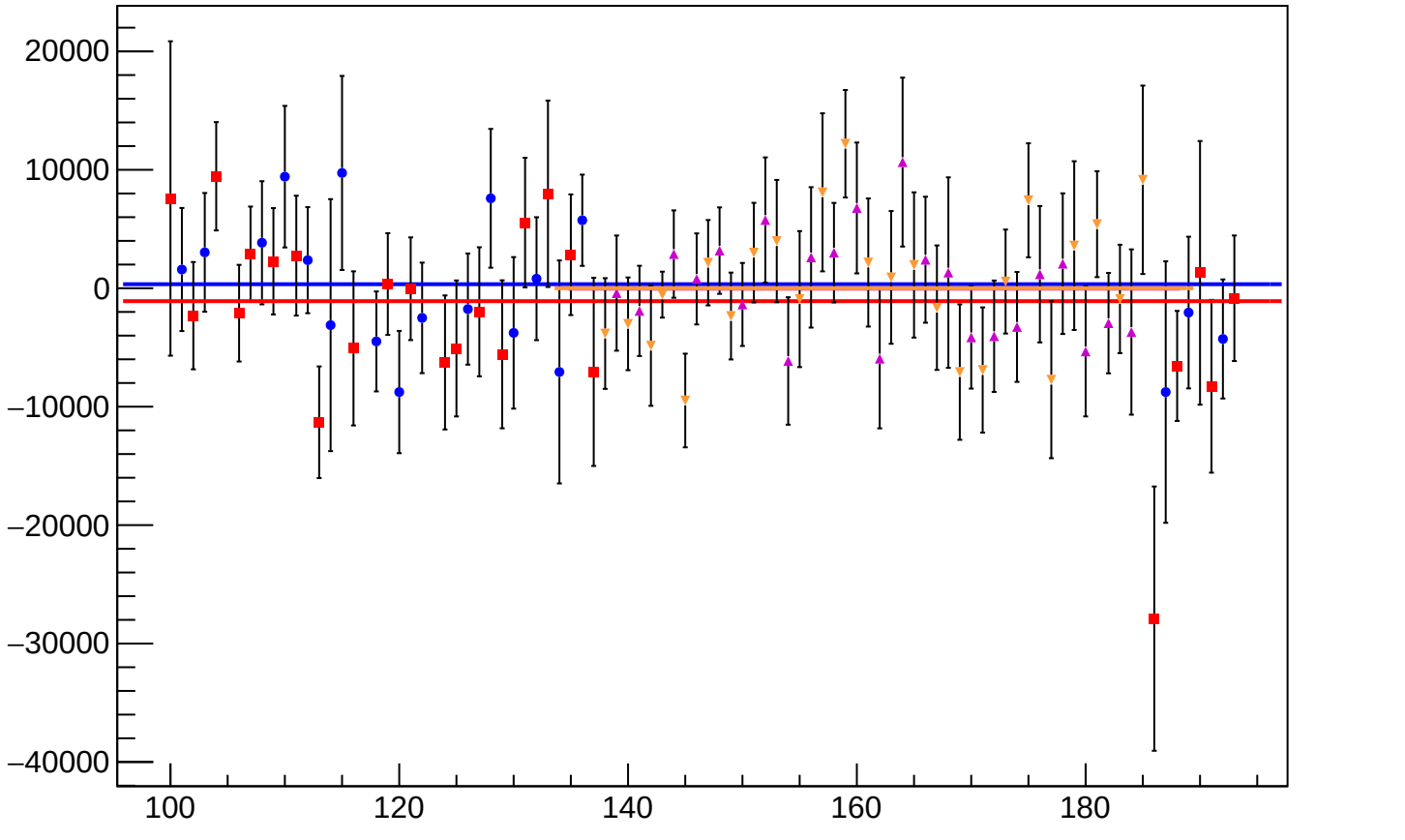
Right Out: 1304.993+/-0.298 χ^2/NDF: 471624.2/23

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.102+/-0.120 χ^2/NDF: 1231660.7/90

- sign 1273.080+/-0.170 χ^2/NDF: 525513.7/46



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

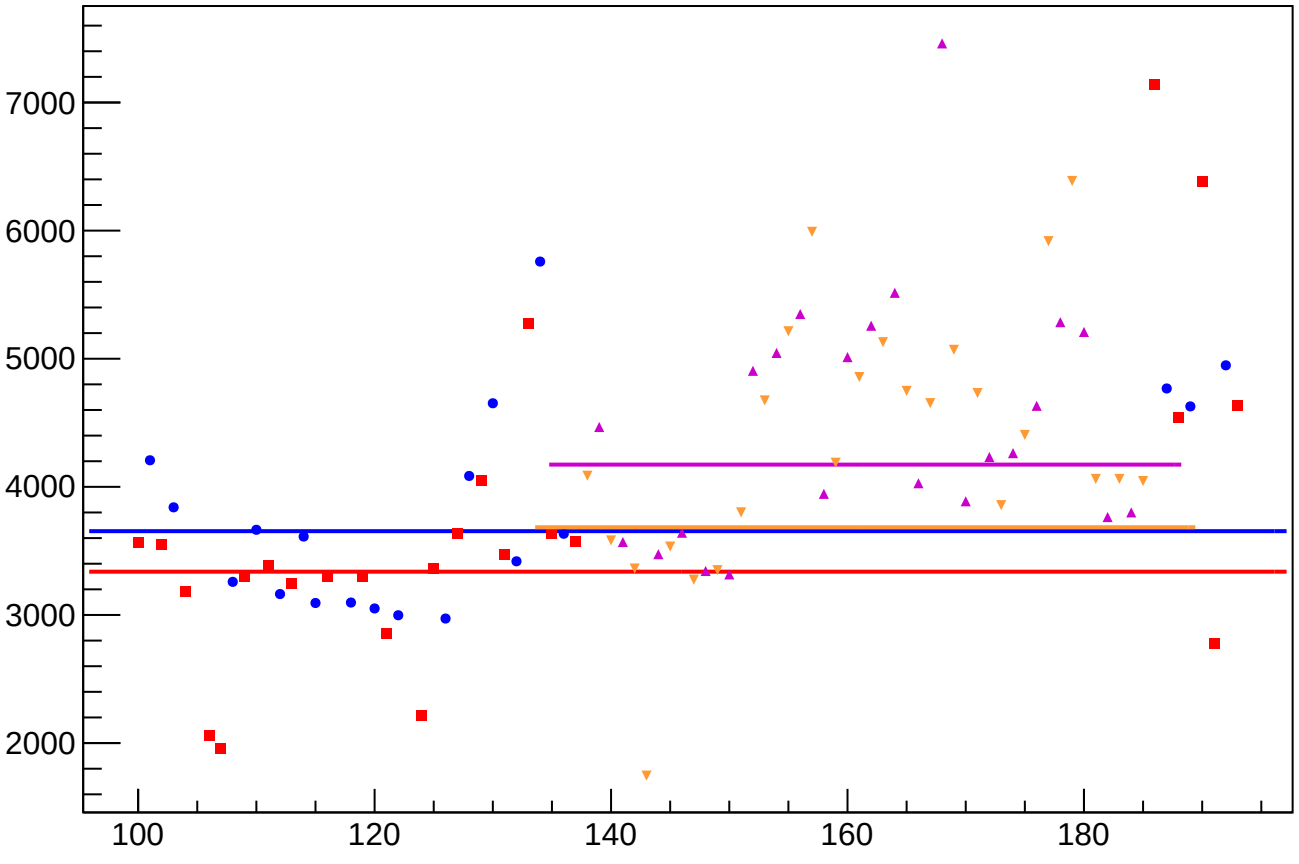
Right Out: -1089.915+/-1096.873 χ^2/NDF: 27.3/23

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 114.011+/-722.740 χ^2/NDF: 45.0/43

All: -191.621+/-516.057 χ^2/NDF: 87.2/90

- sign -509.521+/-737.102 χ^2/NDF: 41.8/46



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

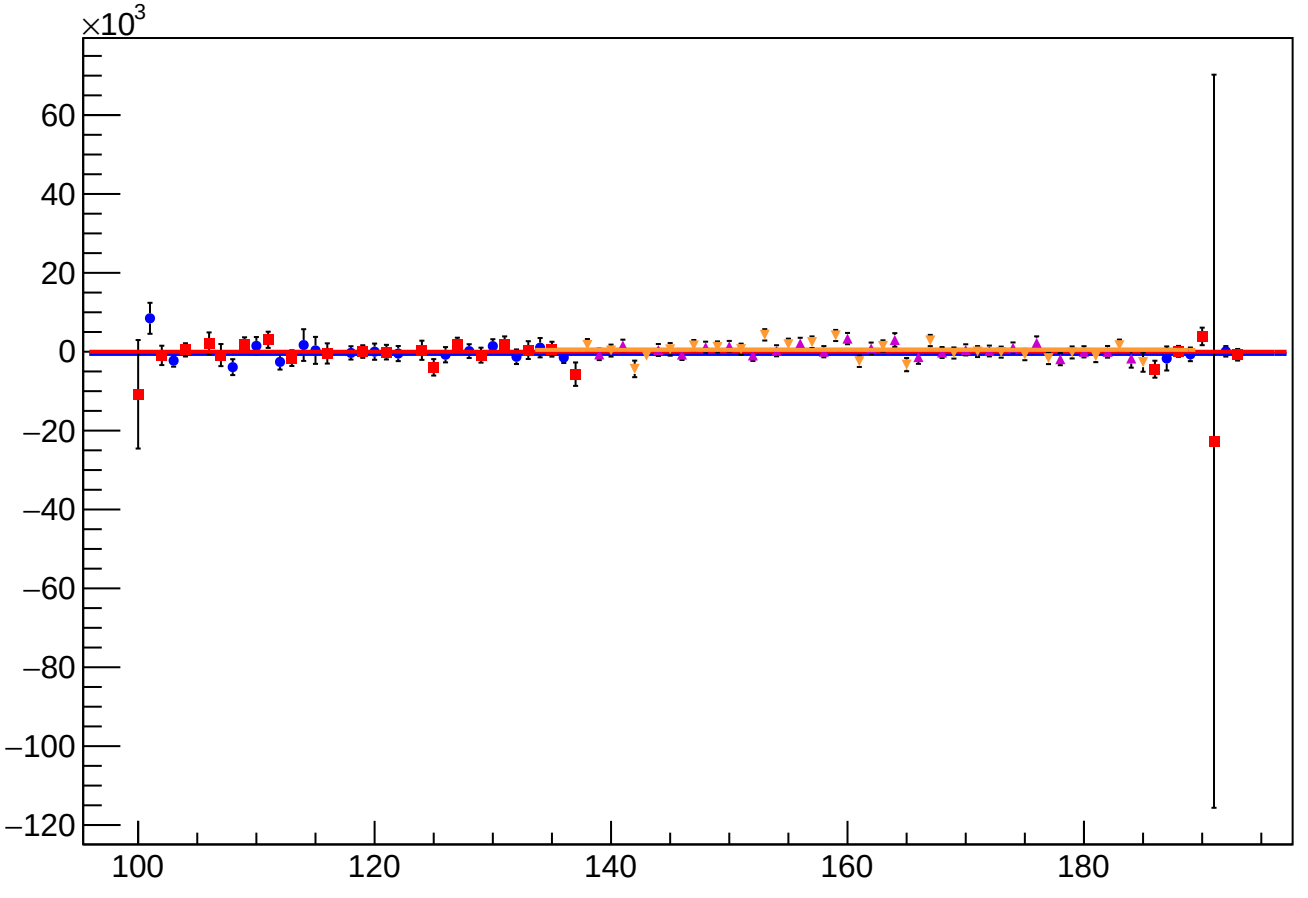
Right Out: 3337.829+/-0.776 χ^2/NDF: 1357527.1/23

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3734.122+/-0.365 χ^2/NDF: 7568800.0/90

- sign 3796.148+/-0.521 χ^2/NDF: 3269211.9/46



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: -3.055+/-420.891 χ^2/NDF: 22.6/23

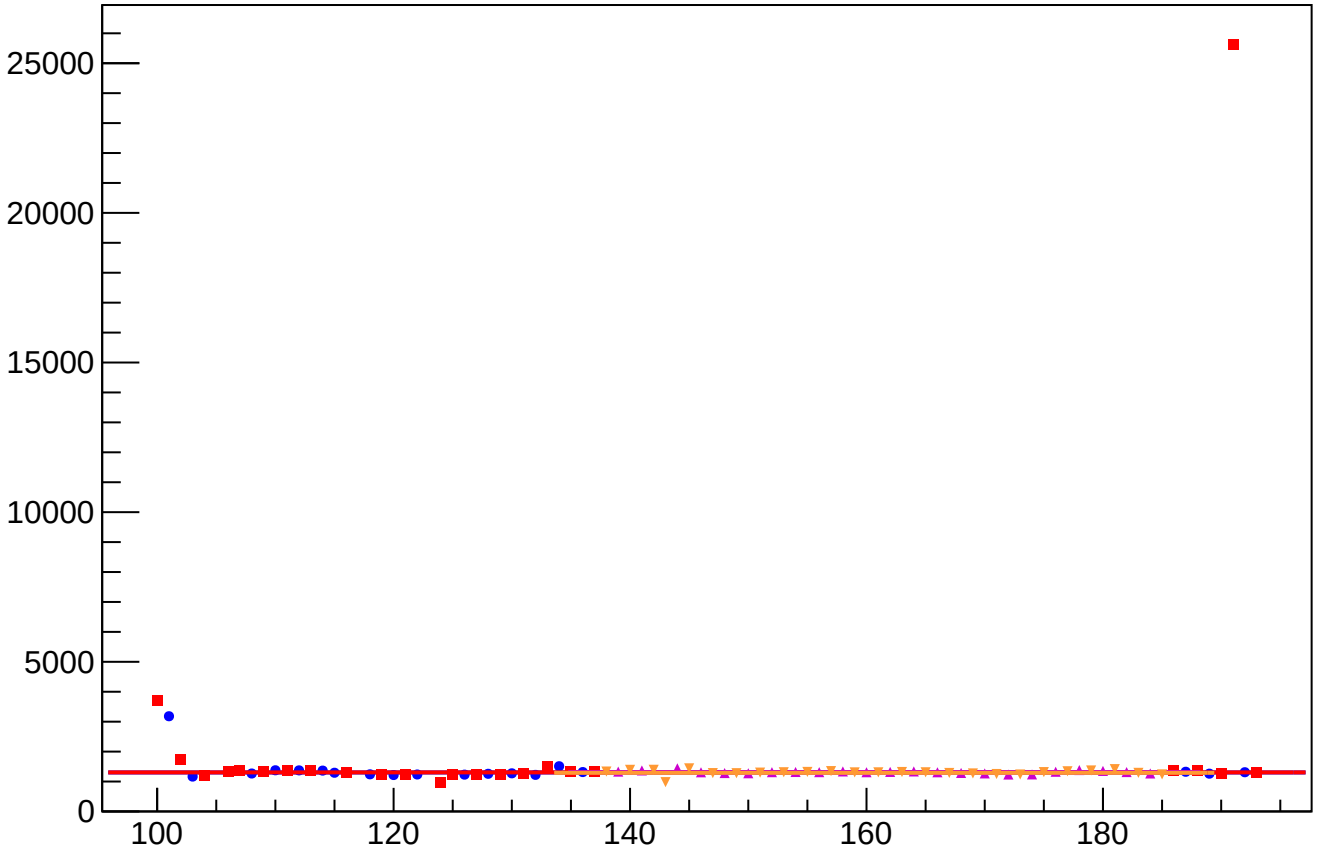
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 154.290+/-245.075 χ^2/NDF: 62.3/43

All: 239.888+/-174.340 χ^2/NDF: 103.5/90

- sign 327.584+/-248.059 χ^2/NDF: 40.9/46

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

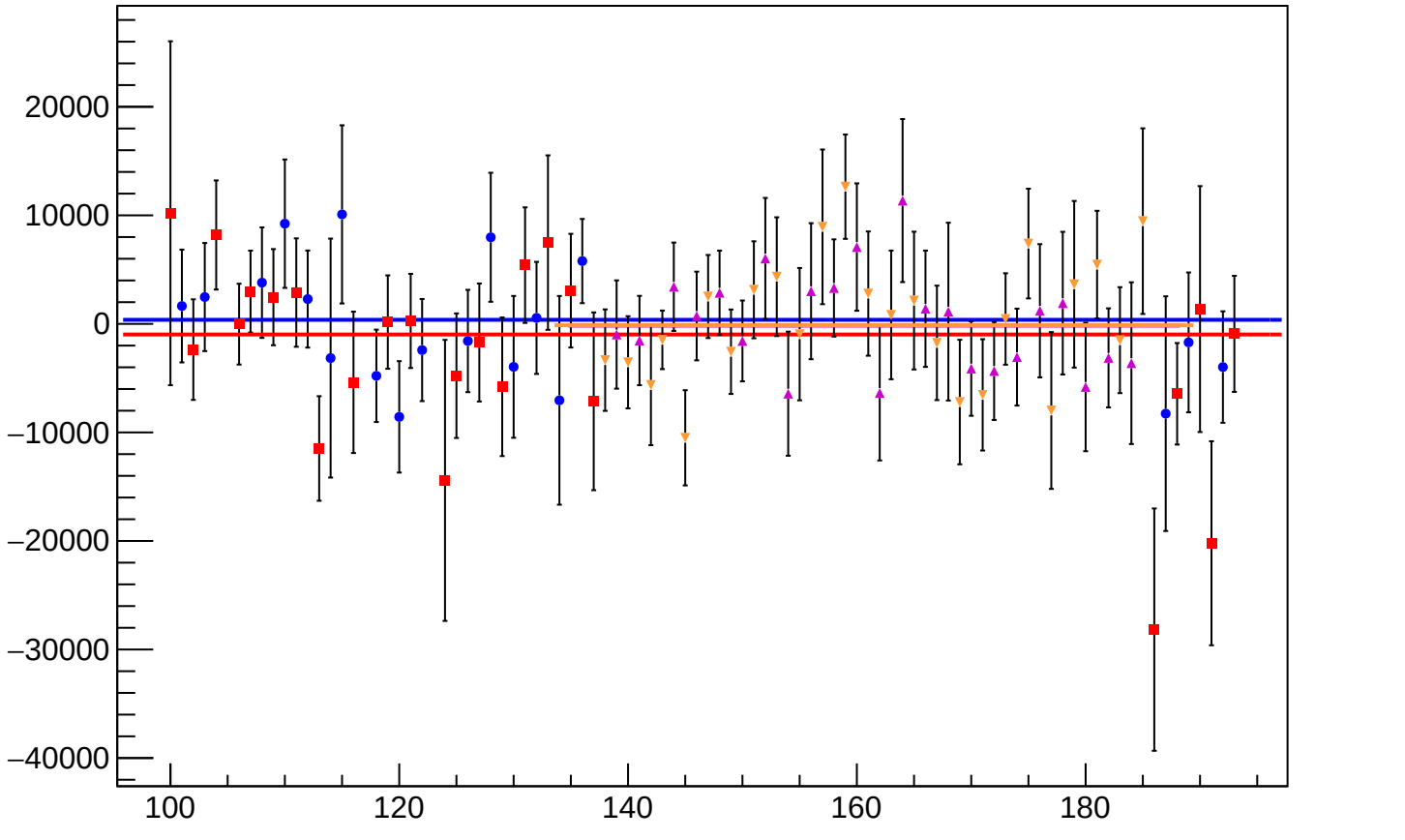
Right Out: 1305.319+/-0.297 χ^2/NDF: 360118.8/23

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.690+/-0.173 χ^2/NDF: 743518.9/43

All: 1302.741+/-0.123 χ^2/NDF: 1151607.7/90

- sign 1310.986+/-0.175 χ^2/NDF: 403720.0/46



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: -979.026+/-1116.434 χ^2/NDF: 29.0/23

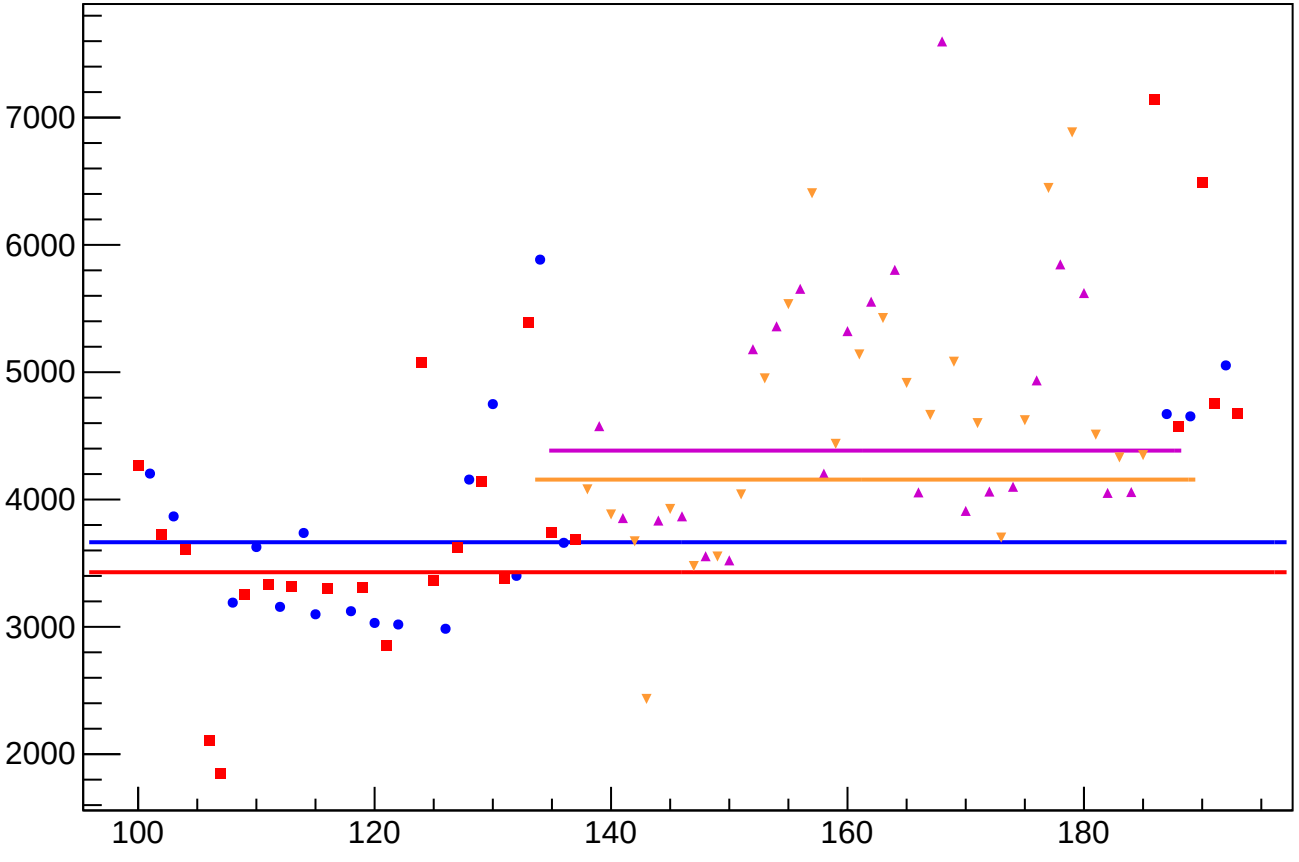
Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 62.777+/-770.312 χ^2/NDF: 44.4/43

All: -242.637+/-542.136 χ^2/NDF: 87.8/90

- sign -542.381+/-763.129 χ^2/NDF: 43.1/46

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug



Right In: 3664.685+/-0.885 χ^2/NDF: 611305.2/18

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

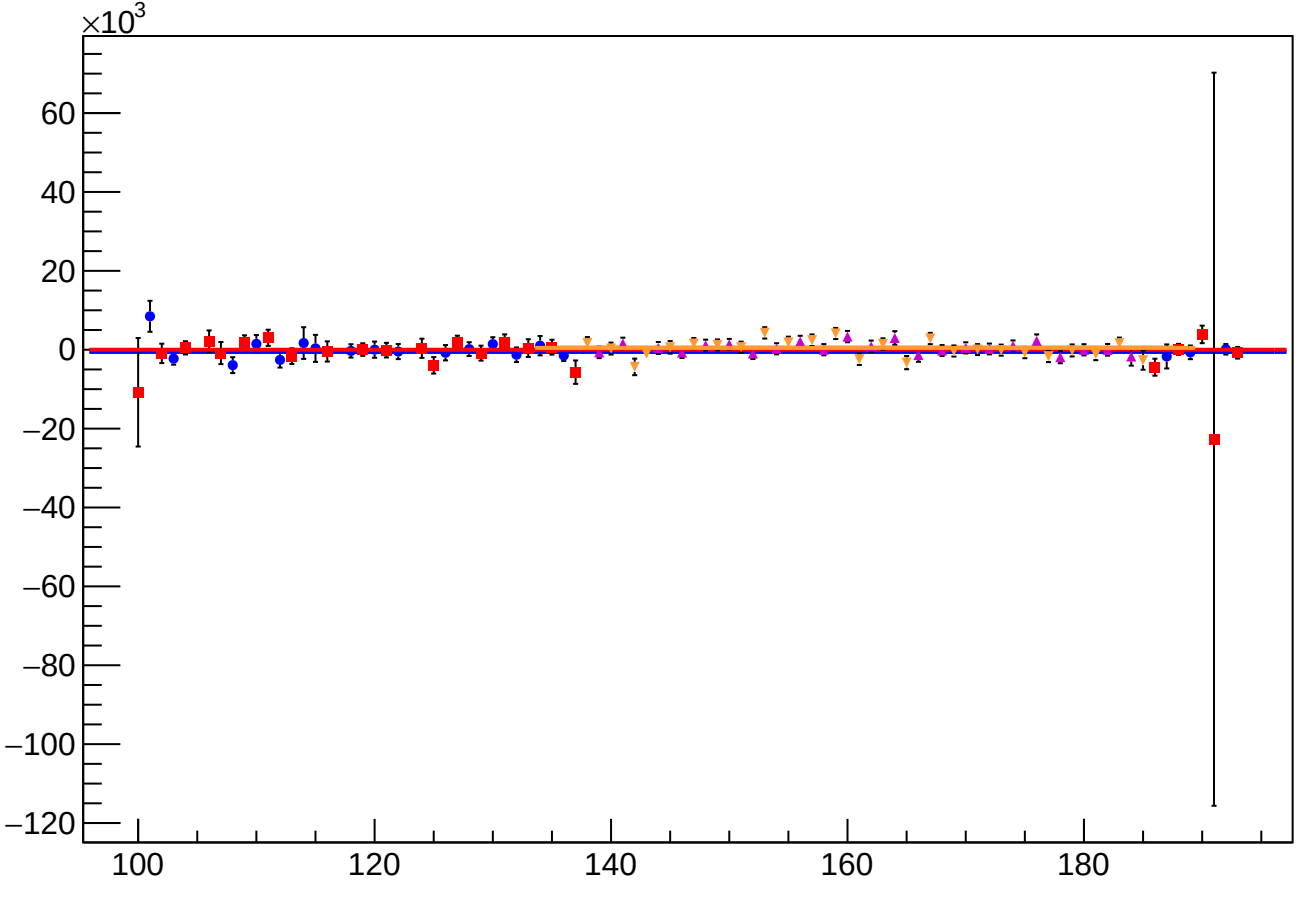
Right Out: 3429.095+/-0.789 χ^2/NDF: 1485302.2/23

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3970.327+/-0.545 χ^2/NDF: 2883945.7/43

All: 3954.018+/-0.383 χ^2/NDF: 6406537.3/90

- sign 3938.012+/-0.540 χ^2/NDF: 3520815.2/46



Right In: -555.882+/-442.785 χ^2/NDF: 14.5/18

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

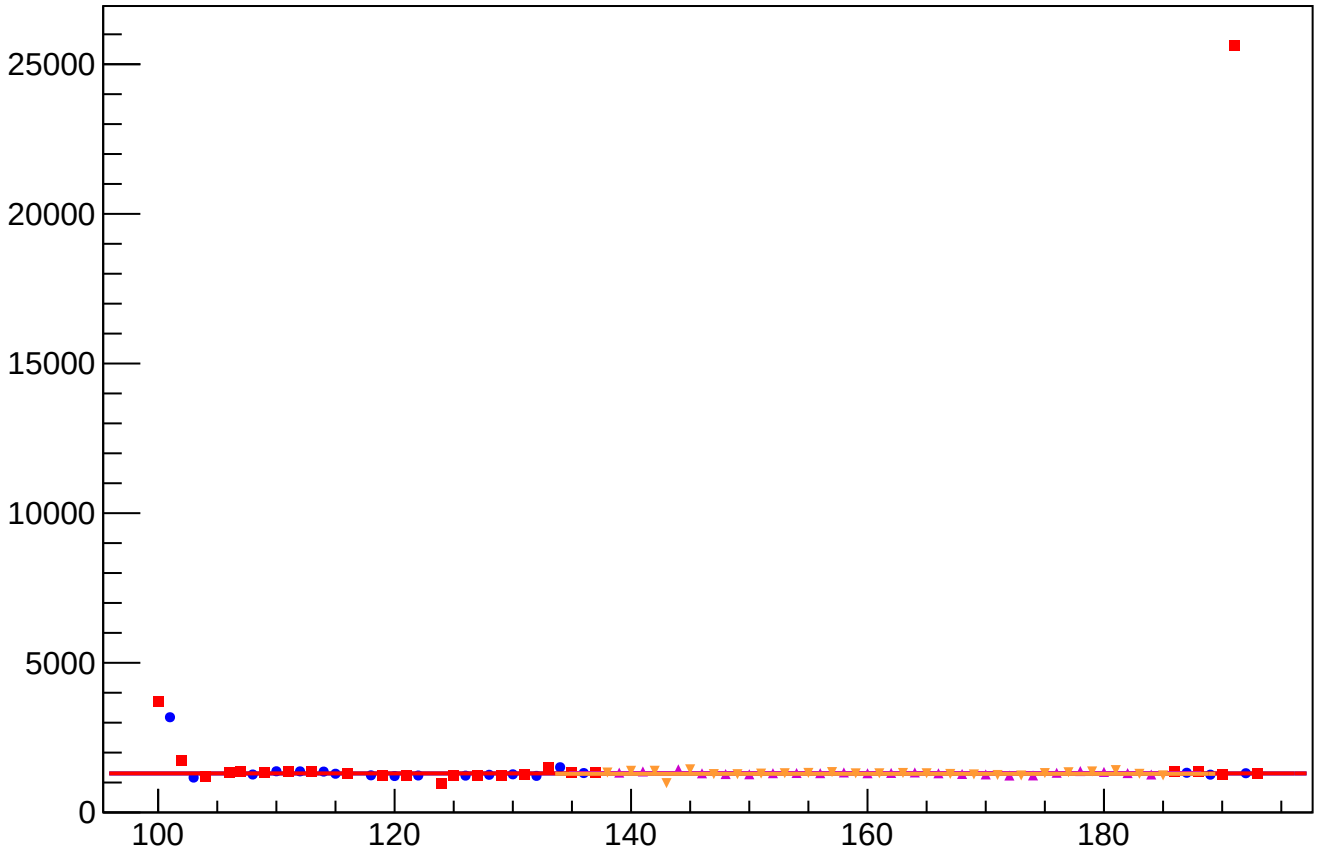
Right Out: -3.048+/-420.891 χ^2/NDF: 22.6/23

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 154.291+/-245.075 χ^2/NDF: 62.3/43

All: 239.890+/-174.340 χ^2/NDF: 103.5/90

- sign 327.587+/-248.060 χ^2/NDF: 40.9/46



Right In: 1302.568+/-0.313 χ^2/NDF: 511871.1/18

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

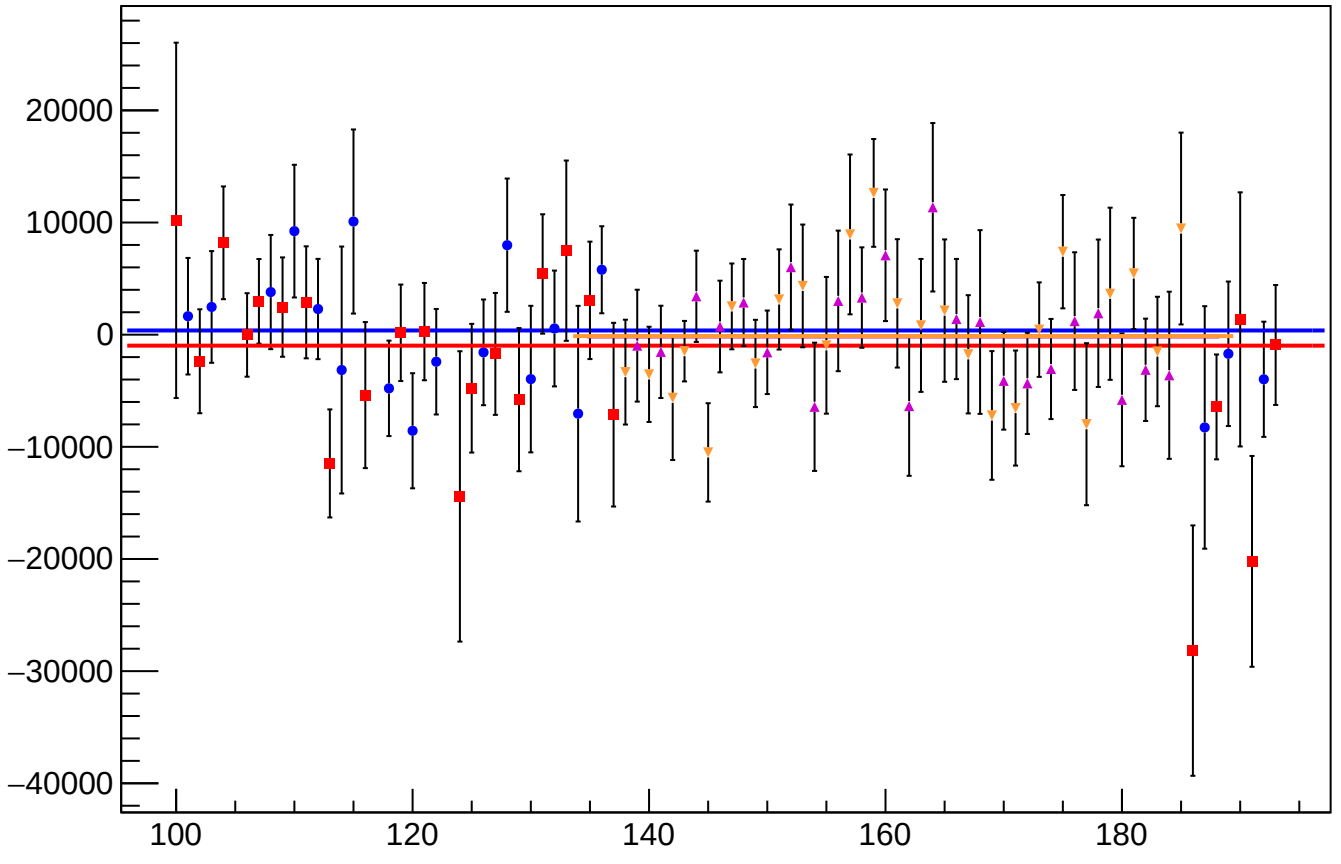
Right Out: 1305.319+/-0.297 χ^2/NDF: 360119.0/23

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.691+/-0.173 χ^2/NDF: 743521.3/43

All: 1302.742+/-0.123 χ^2/NDF: 1151612.5/90

- sign 1310.987+/-0.175 χ^2/NDF: 403722.4/46



Right In: 374.640+/-1251.843 χ^2/NDF: 15.7/18

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

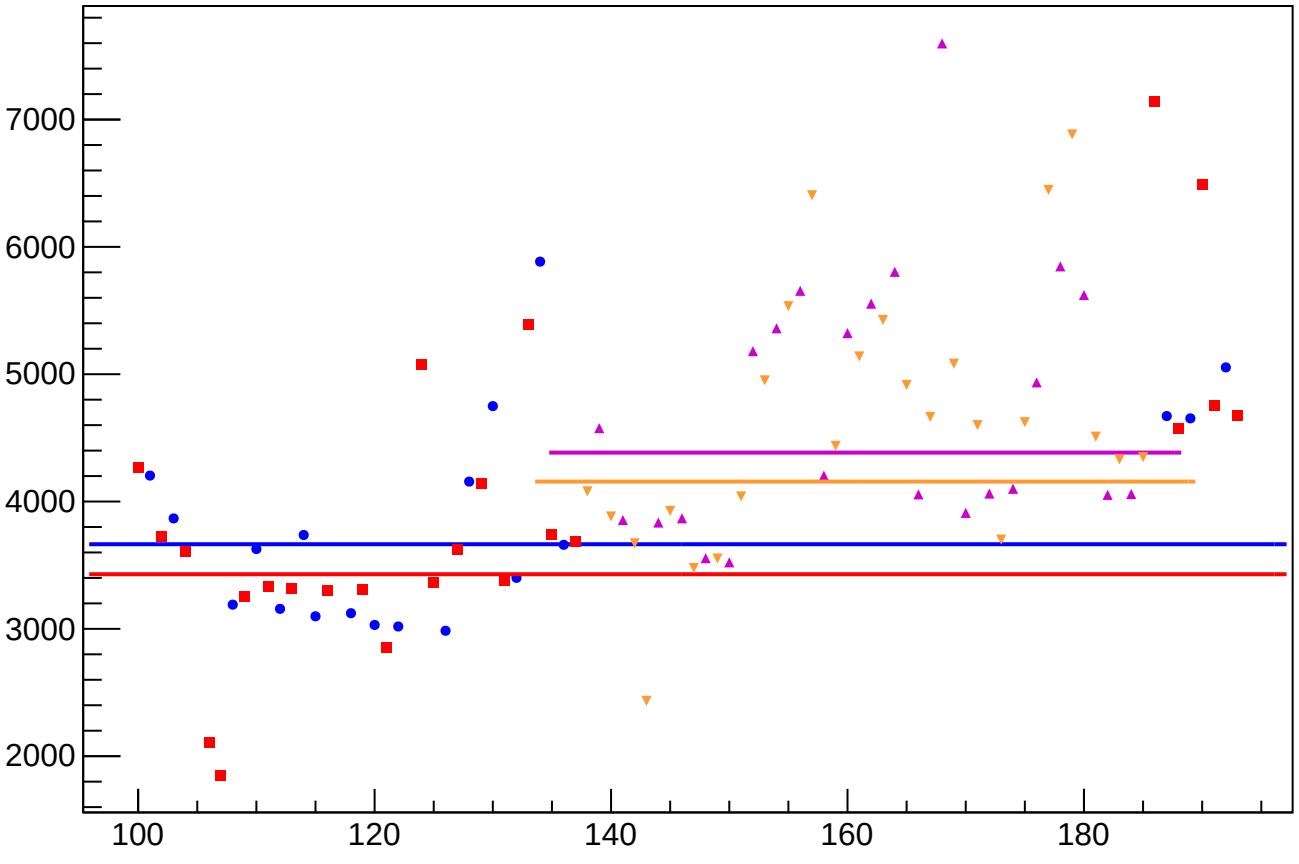
Right Out: -979.017+/-1116.431 χ^2/NDF: 29.0/23

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 62.776+/-770.313 χ^2/NDF: 44.4/43

All: -242.636+/-542.136 χ^2/NDF: 87.8/90

- sign -542.380+/-763.129 χ^2/NDF: 43.1/46



Right In: 3664.676+/-0.885 χ^2/NDF: 611314.1/18

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

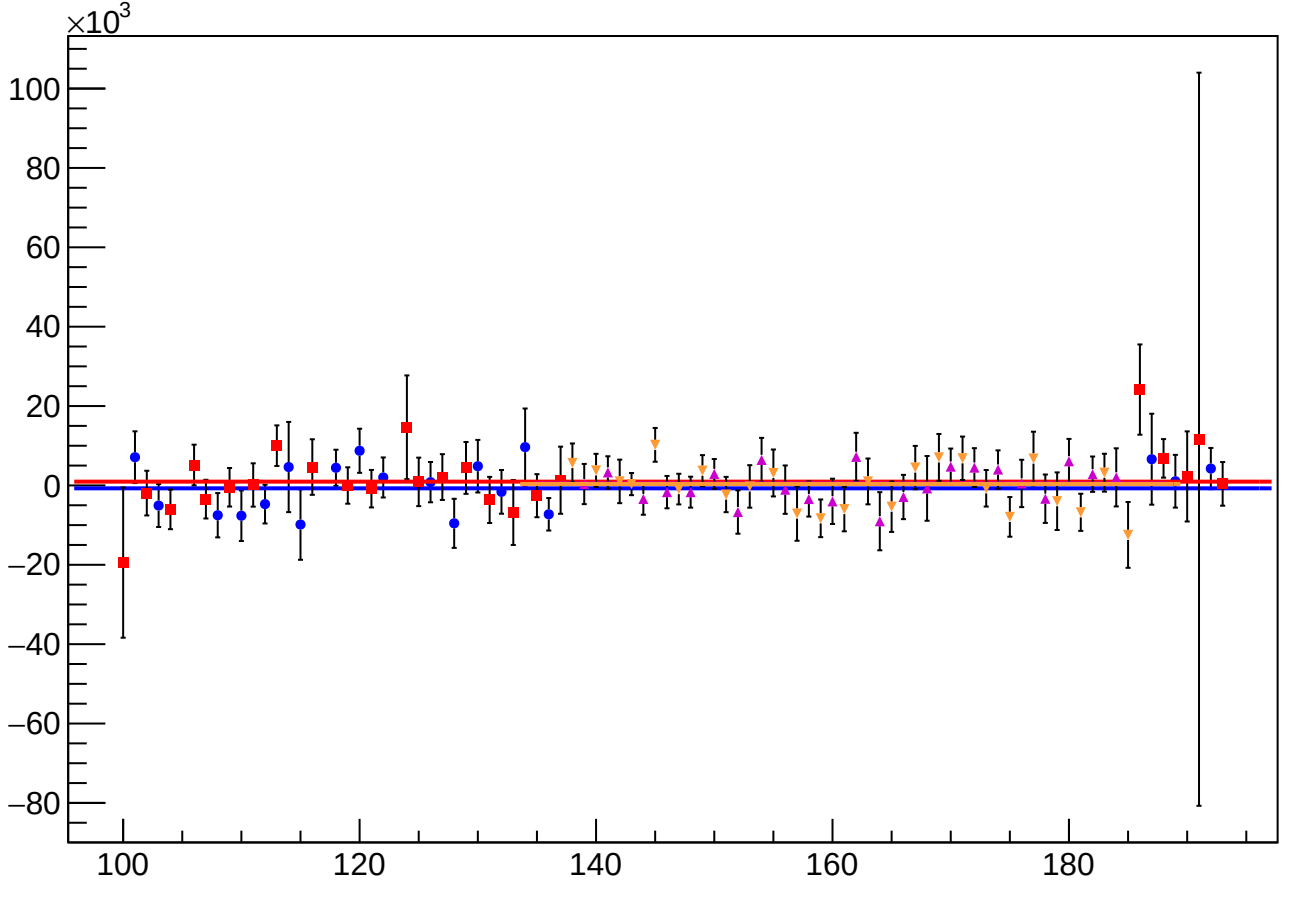
Right Out: 3429.088+/-0.789 χ^2/NDF: 1485311.2/23

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3970.327+/-0.545 χ^2/NDF: 2883969.3/43

All: 3954.017+/-0.383 χ^2/NDF: 6406597.5/90

- sign 3938.011+/-0.540 χ^2/NDF: 3520851.6/46



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: 953.045+/-1239.108 χ^2/NDF: 17.6/23

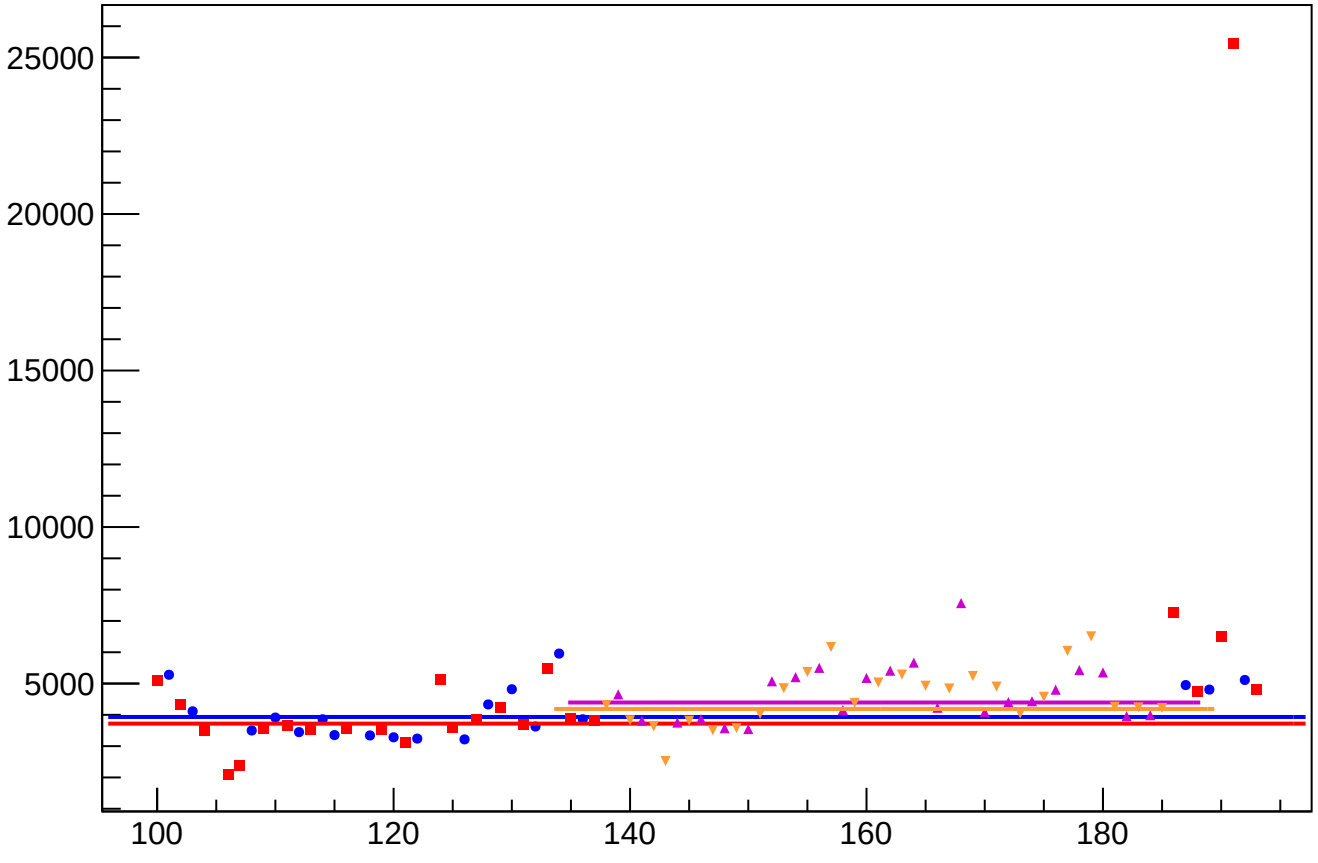
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -18.523+/-791.369 χ^2/NDF: 47.2/43

All: 330.875+/-562.160 χ^2/NDF: 79.2/90

- sign 686.788+/-798.712 χ^2/NDF: 31.6/46

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

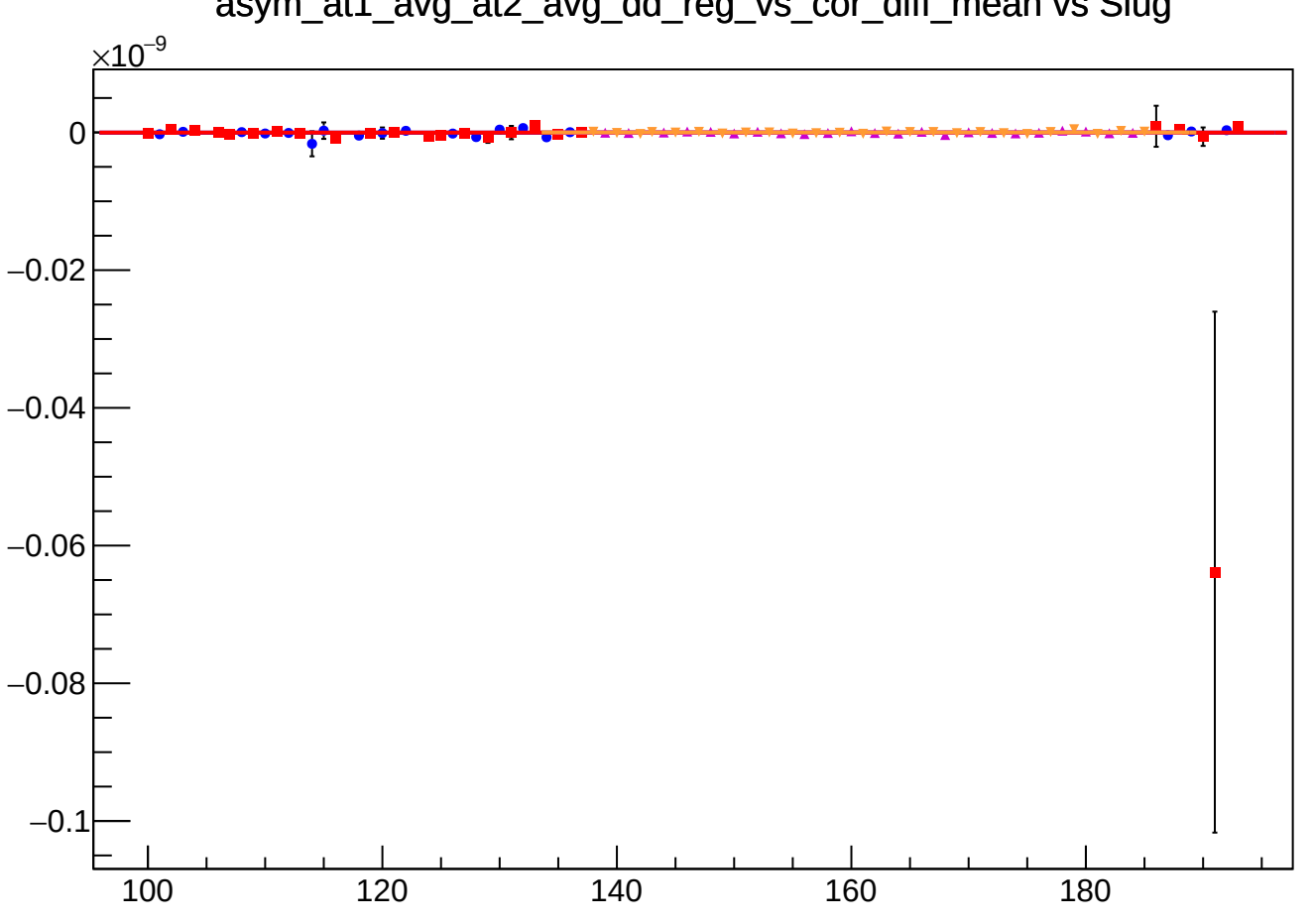
Right Out: 3719.200+/-0.866 χ^2/NDF: 1246466.9/23

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4098.918+/-0.560 χ^2/NDF: 2401731.2/43

All: 4104.400+/-0.397 χ^2/NDF: 5088626.8/90

- sign 4109.929+/-0.562 χ^2/NDF: 2686702.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

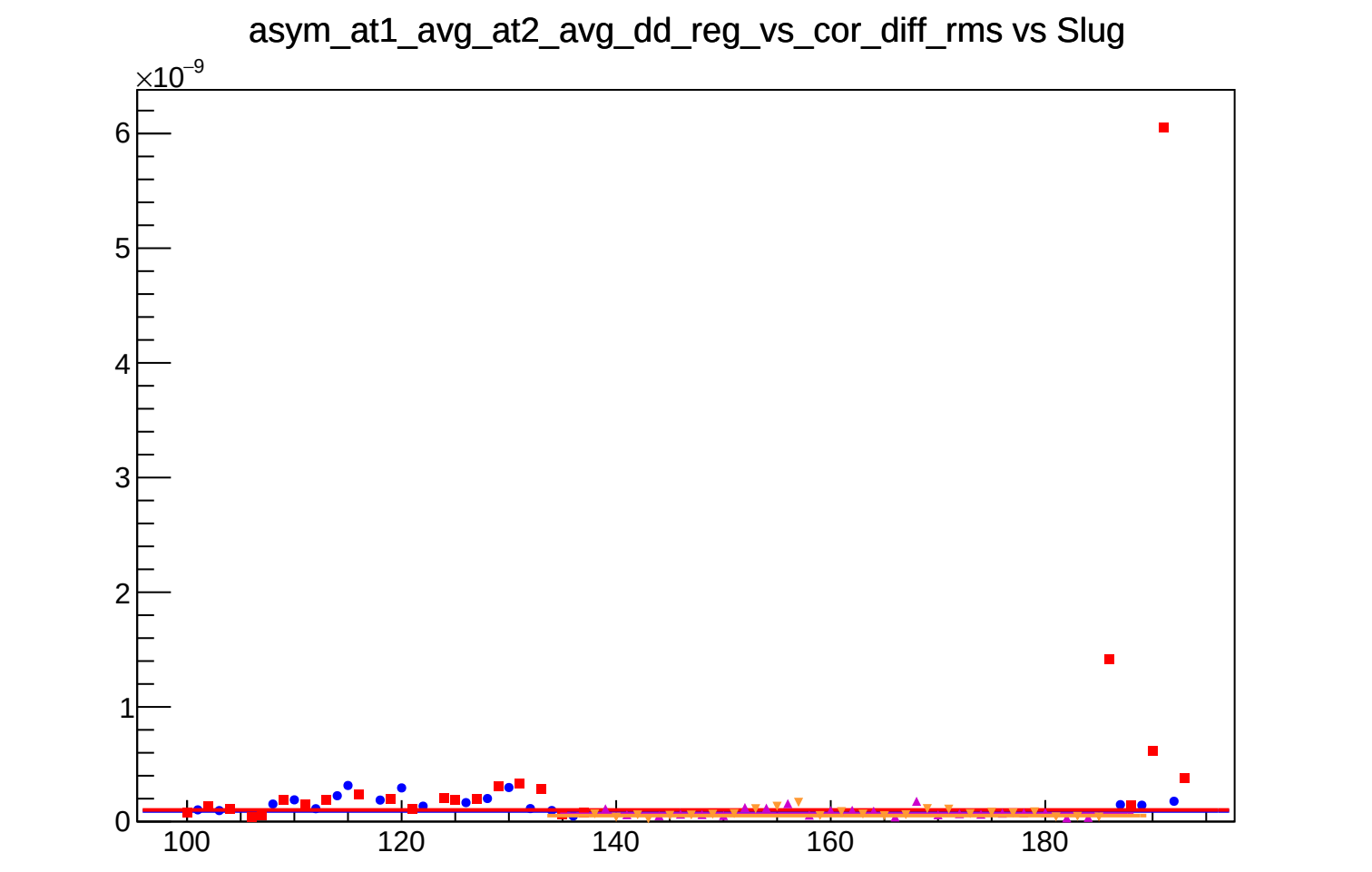
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/23

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: 89.4/90

- sign -0.000+/-0.000 χ^2/NDF: 40.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 1605476.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

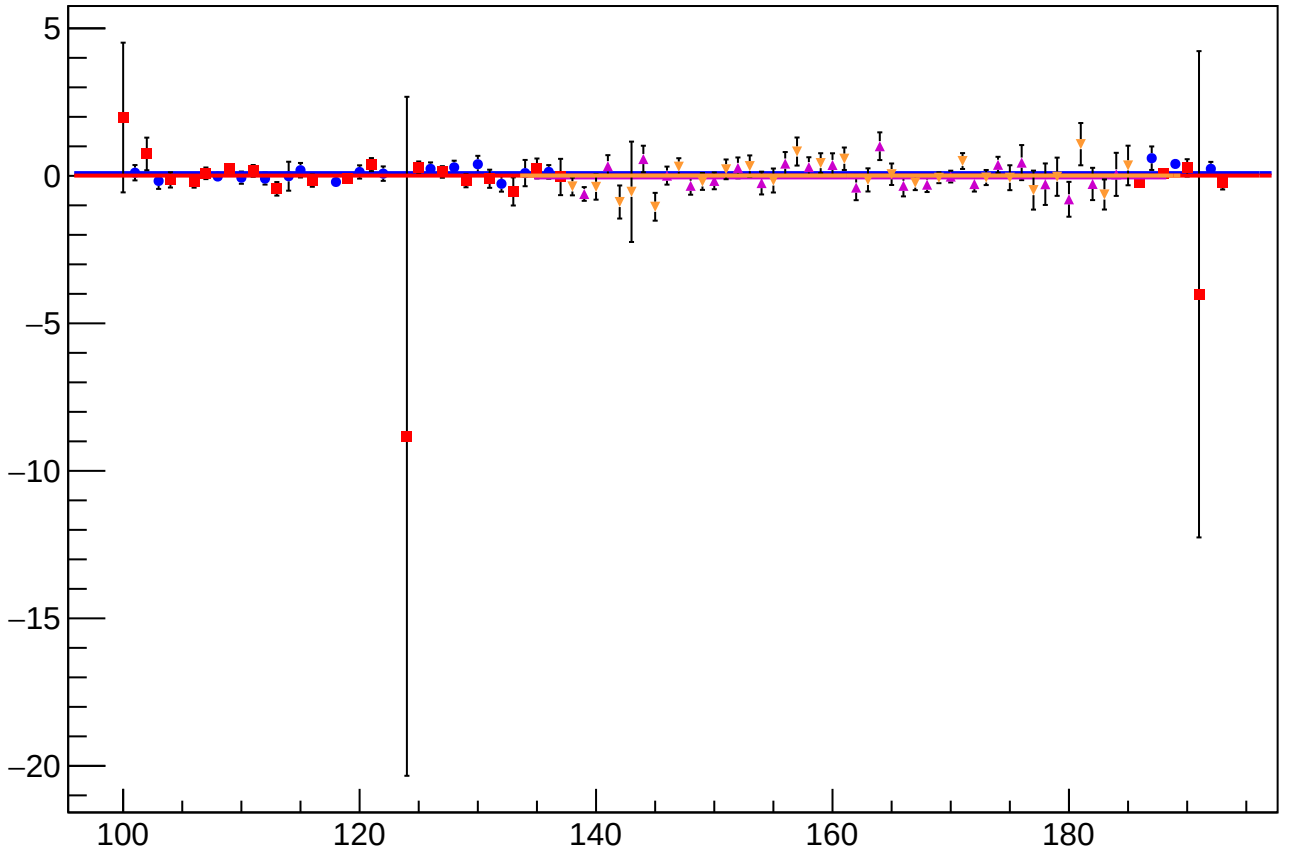
Right Out: 0.000+/-0.000 χ^2/NDF: 2930136.9/23

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: 10701470.4/90

- sign 0.000+/-0.000 χ^2/NDF: 5364049.7/46



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

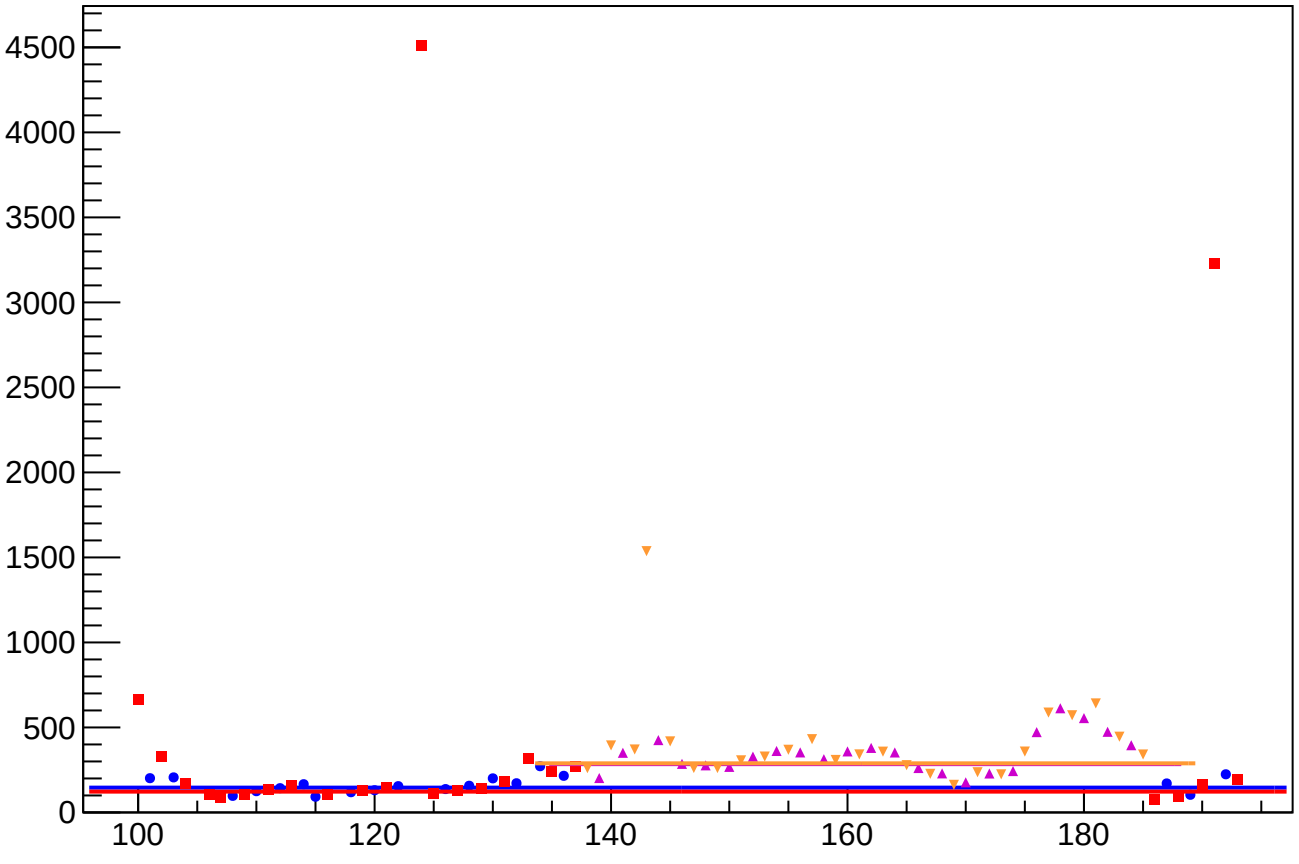
Right Out: 0.009+/-0.043 χ^2/NDF: 27.1/23

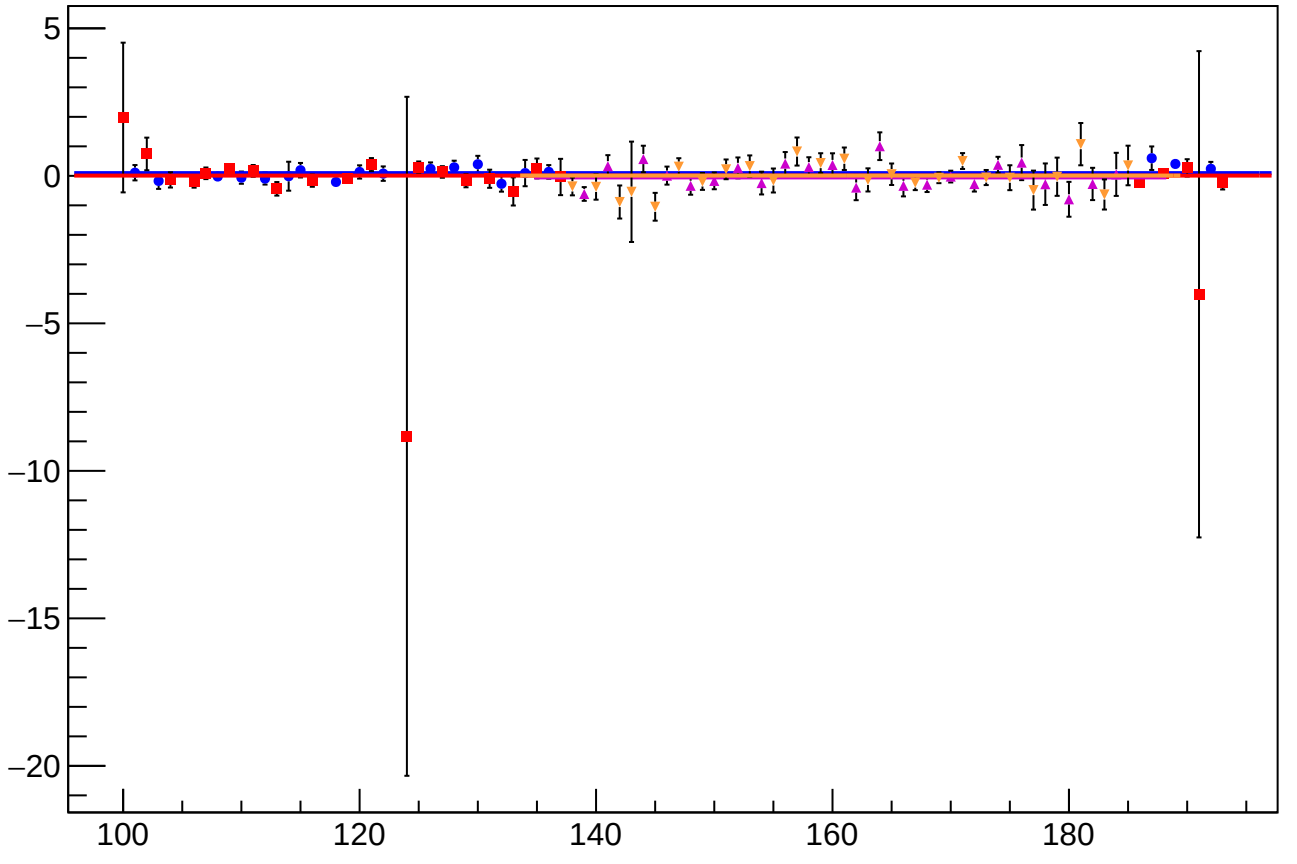
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.023+/-0.028 χ^2/NDF: 103.7/90

- sign -0.008+/-0.037 χ^2/NDF: 55.4/46


asym_at1_avg_at2_avg_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: 122.561+/-0.031 χ²/NDF: 2694127.9/23
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 196.023+/-0.030 χ²/NDF: 11298805.5/43
All: 179.757+/-0.020 χ²/NDF: 25232905.0/90
- sign 167.151+/-0.026 χ²/NDF: 13401881.0/46



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

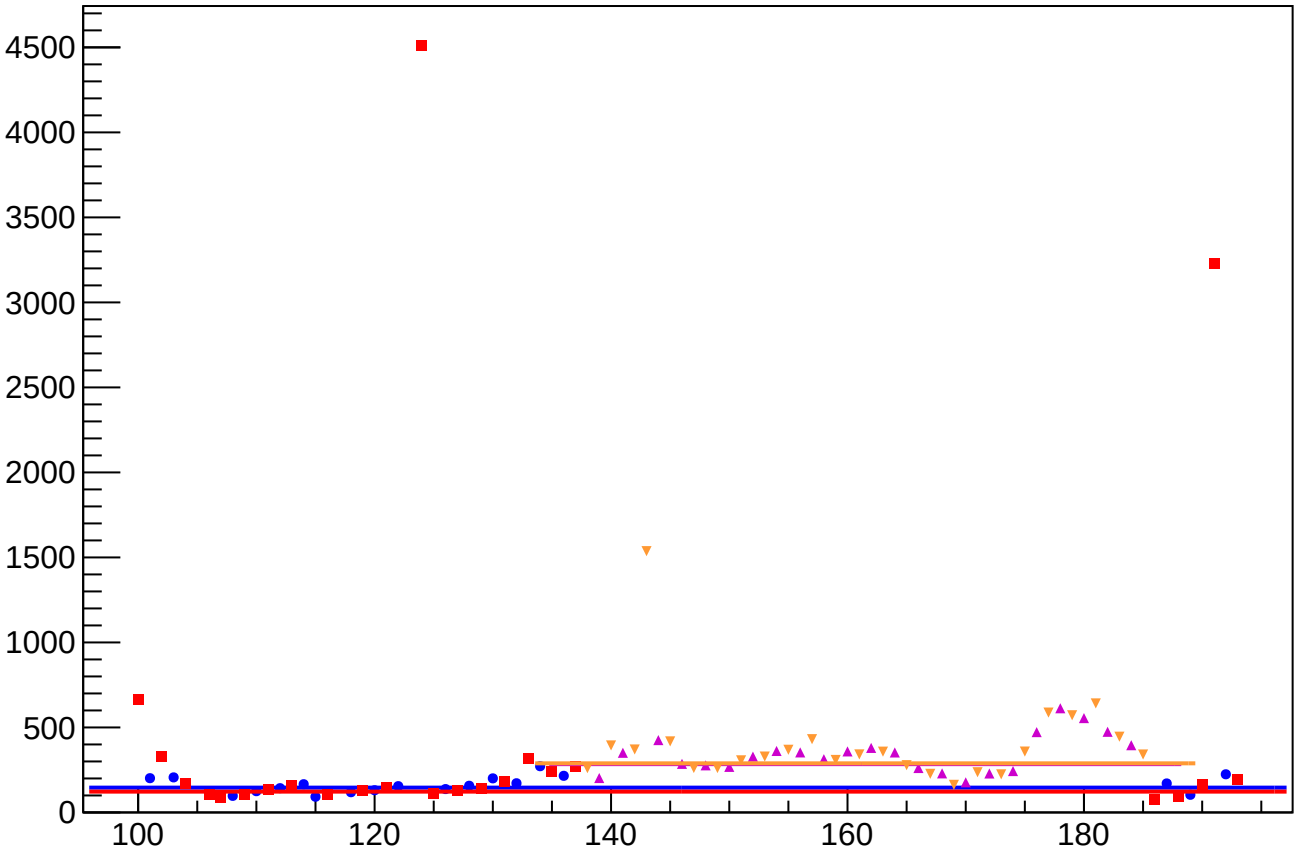
Right Out: 0.009+/-0.043 χ^2/NDF: 27.1/23

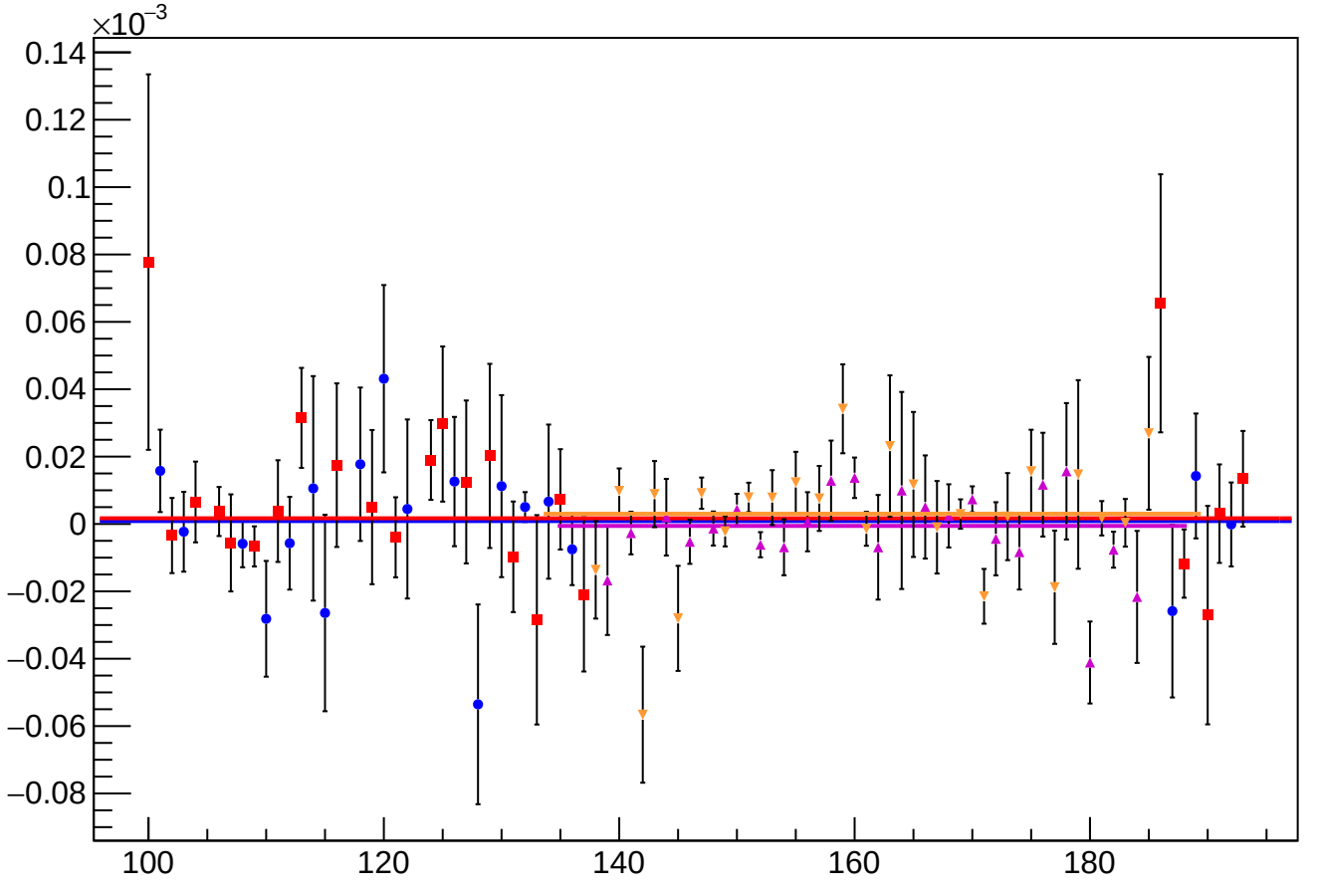
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.023+/-0.028 χ^2/NDF: 103.7/90

- sign -0.008+/-0.037 χ^2/NDF: 55.4/46


asym_at1_avg_at2_avg_dd_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: 1386367.2/18
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 122.561+/-0.031 χ²/NDF: 2694127.9/23
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 196.023+/-0.030 χ²/NDF: 11298805.5/43
All: 179.757+/-0.020 χ²/NDF: 25232905.0/90
- sign 167.151+/-0.026 χ²/NDF: 13401881.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

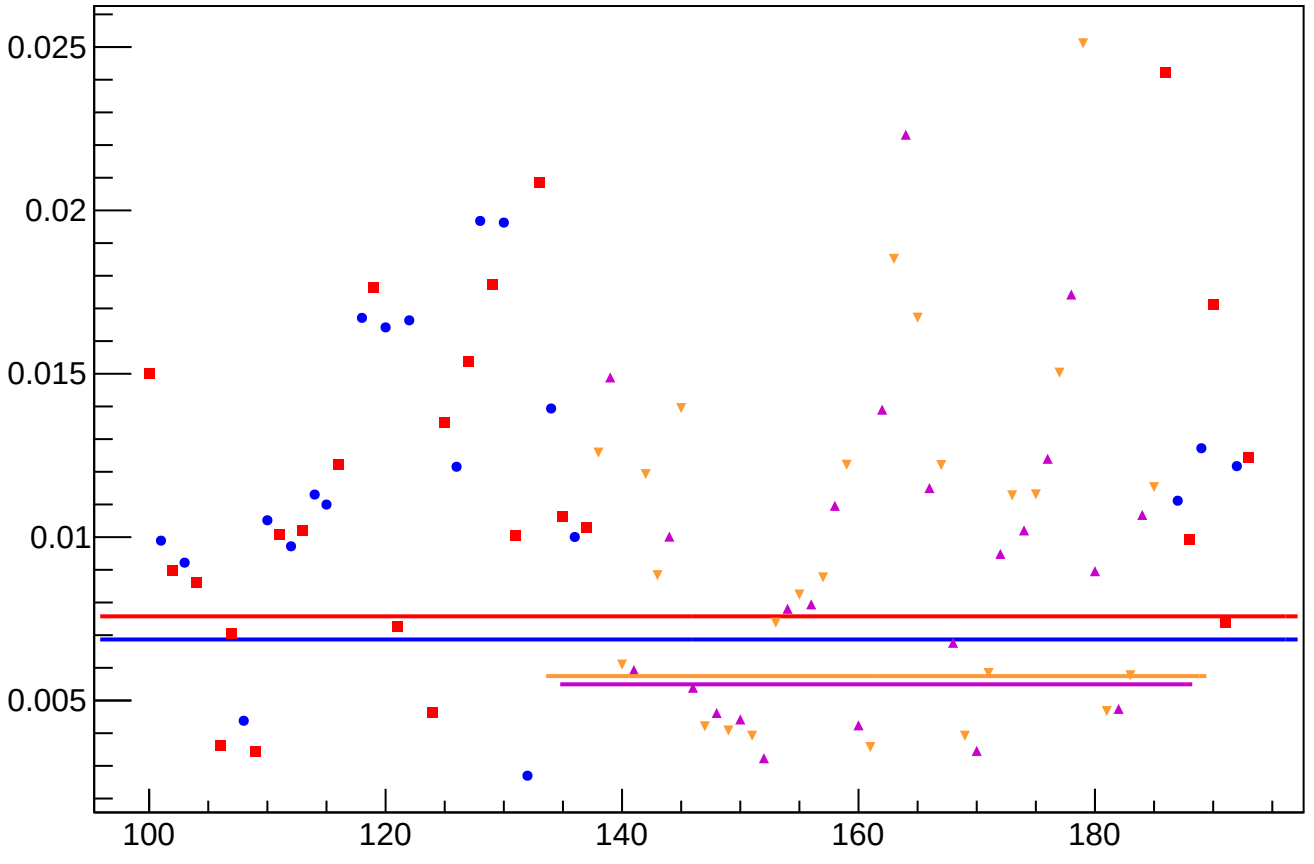
Right Out: 0.000+/-0.000 χ^2/NDF: 22.1/23

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: 116.8/90

- sign -0.000+/-0.000 χ^2/NDF: 55.8/46



Right In: 0.007+/-0.000 χ^2/NDF: 5313715.3/18

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4383256.6/23

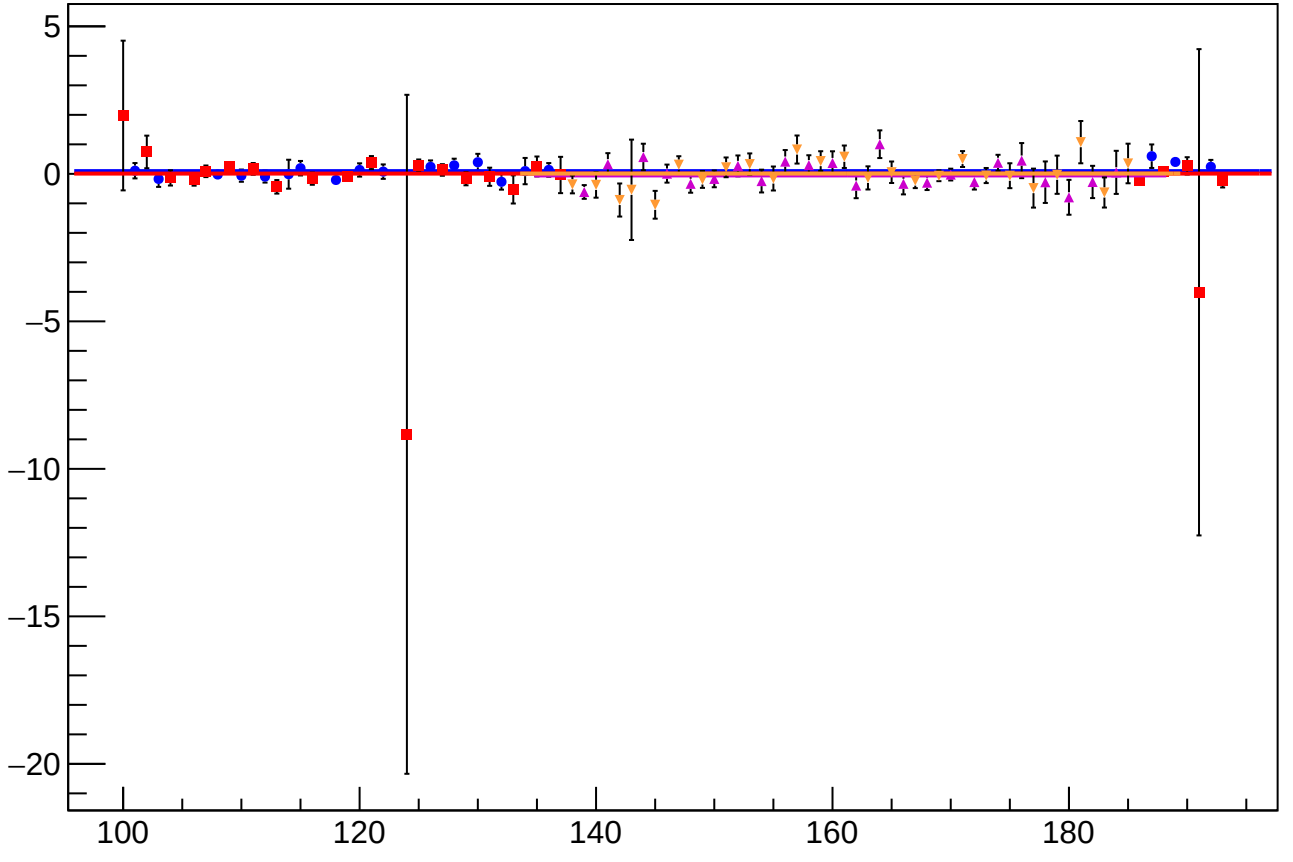
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 13689818.3/43

All: 0.006+/-0.000 χ^2/NDF: 25883110.9/90

\- sign 0.006+/-0.000 χ^2/NDF: 12192925.1/46

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

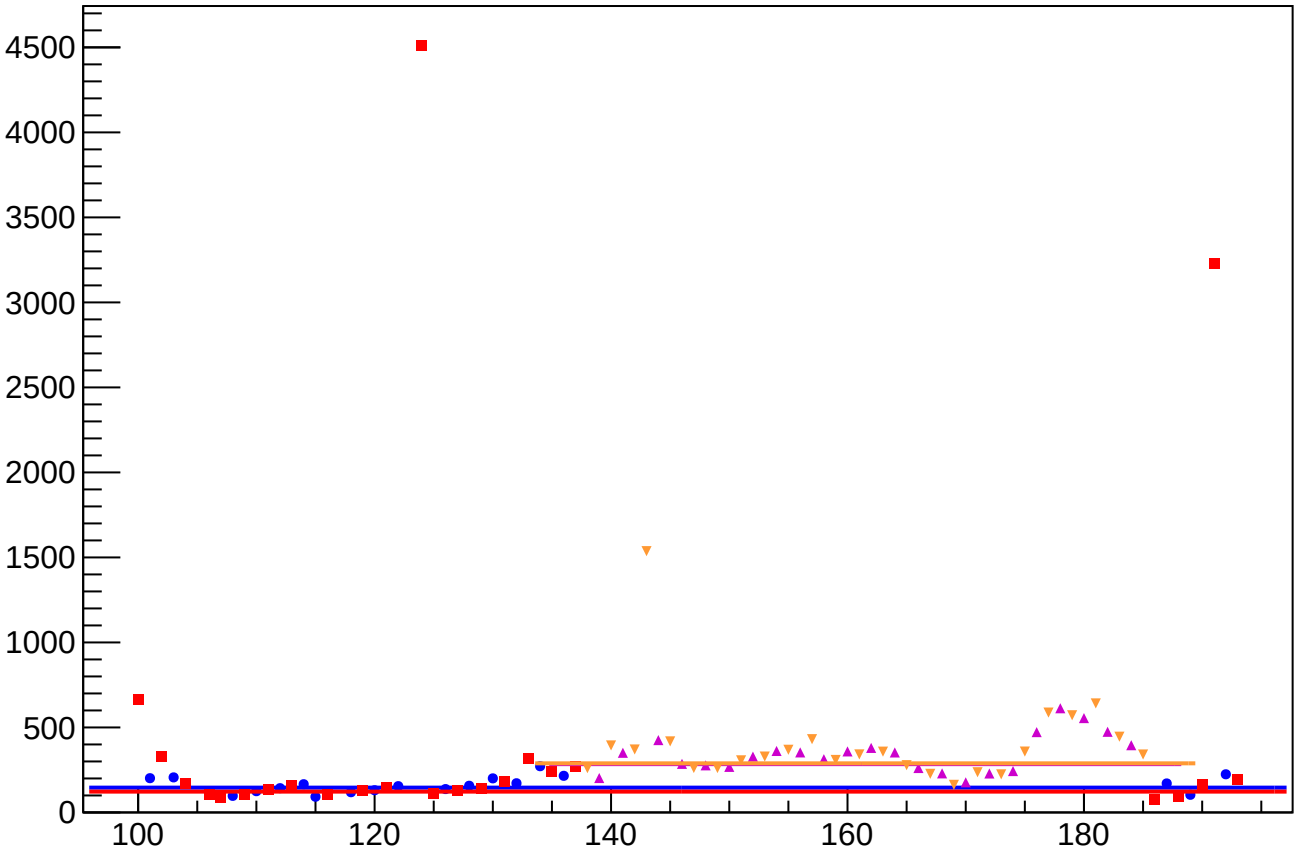
Right Out: 0.009+/-0.043 χ^2/NDF: 27.0/23

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.023+/-0.028 χ^2/NDF: 103.7/90

- sign -0.008+/-0.037 χ^2/NDF: 55.4/46



Right In: 146.020+/-0.037 χ^2/NDF: 1386330.7/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

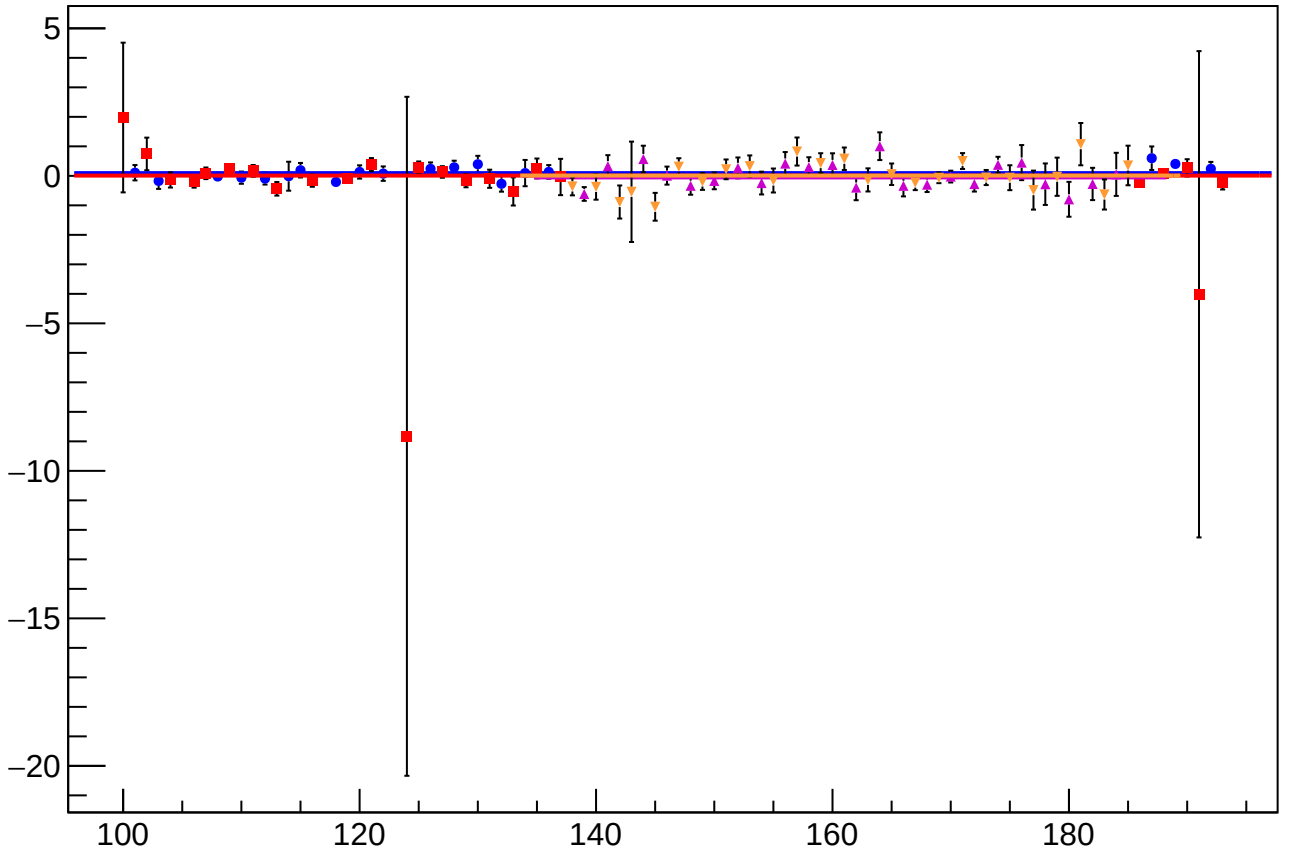
Right Out: 122.562+/-0.031 χ^2/NDF: 2693971.3/23

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.022+/-0.030 χ^2/NDF: 11299012.6/43

All: 179.758+/-0.020 χ^2/NDF: 25232830.5/90

- sign 167.153+/-0.026 χ^2/NDF: 13401698.7/46



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

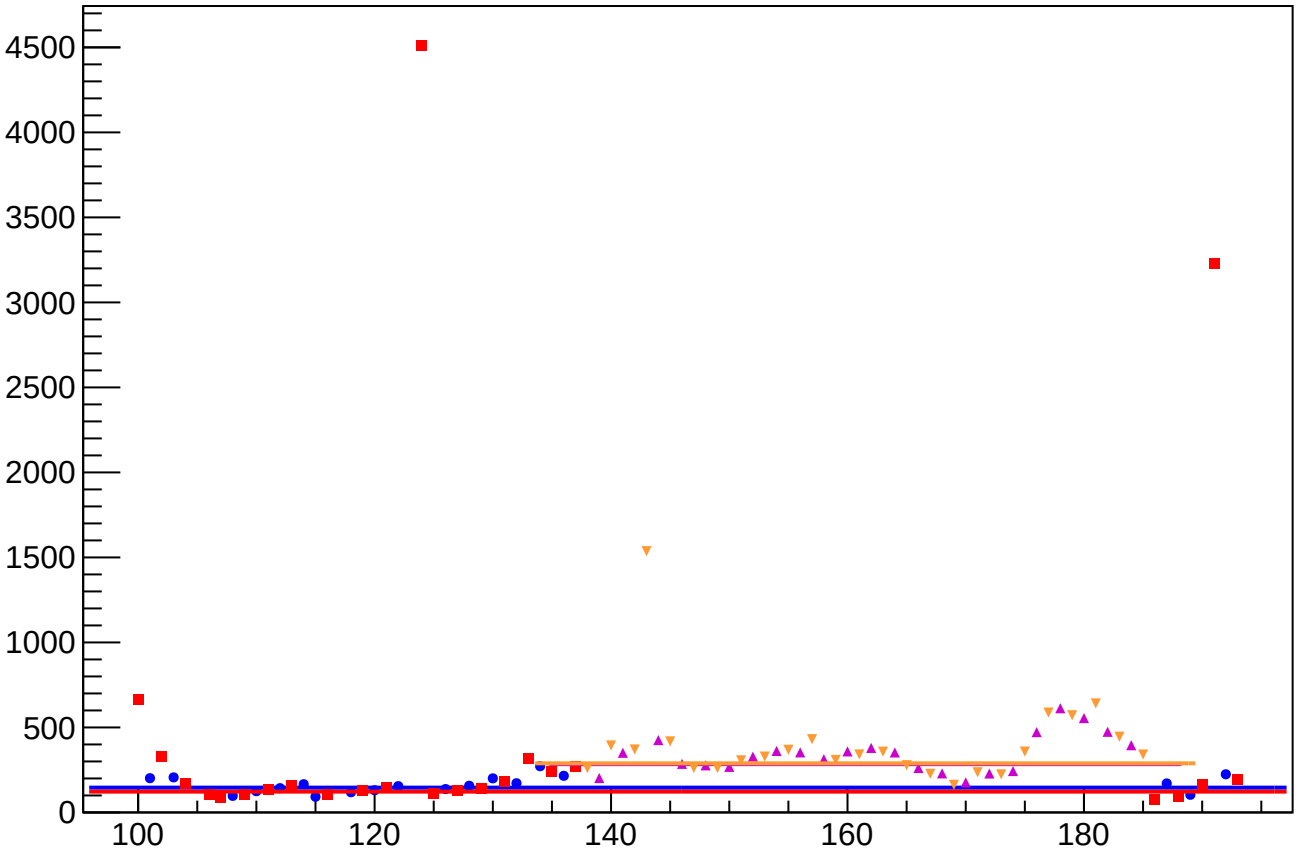
Right Out: 0.009+/-0.043 χ^2/NDF: 27.0/23

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.023+/-0.028 χ^2/NDF: 103.7/90

- sign -0.008+/-0.037 χ^2/NDF: 55.4/46



Right In: 146.020+/-0.037 χ^2/NDF: 1386330.7/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

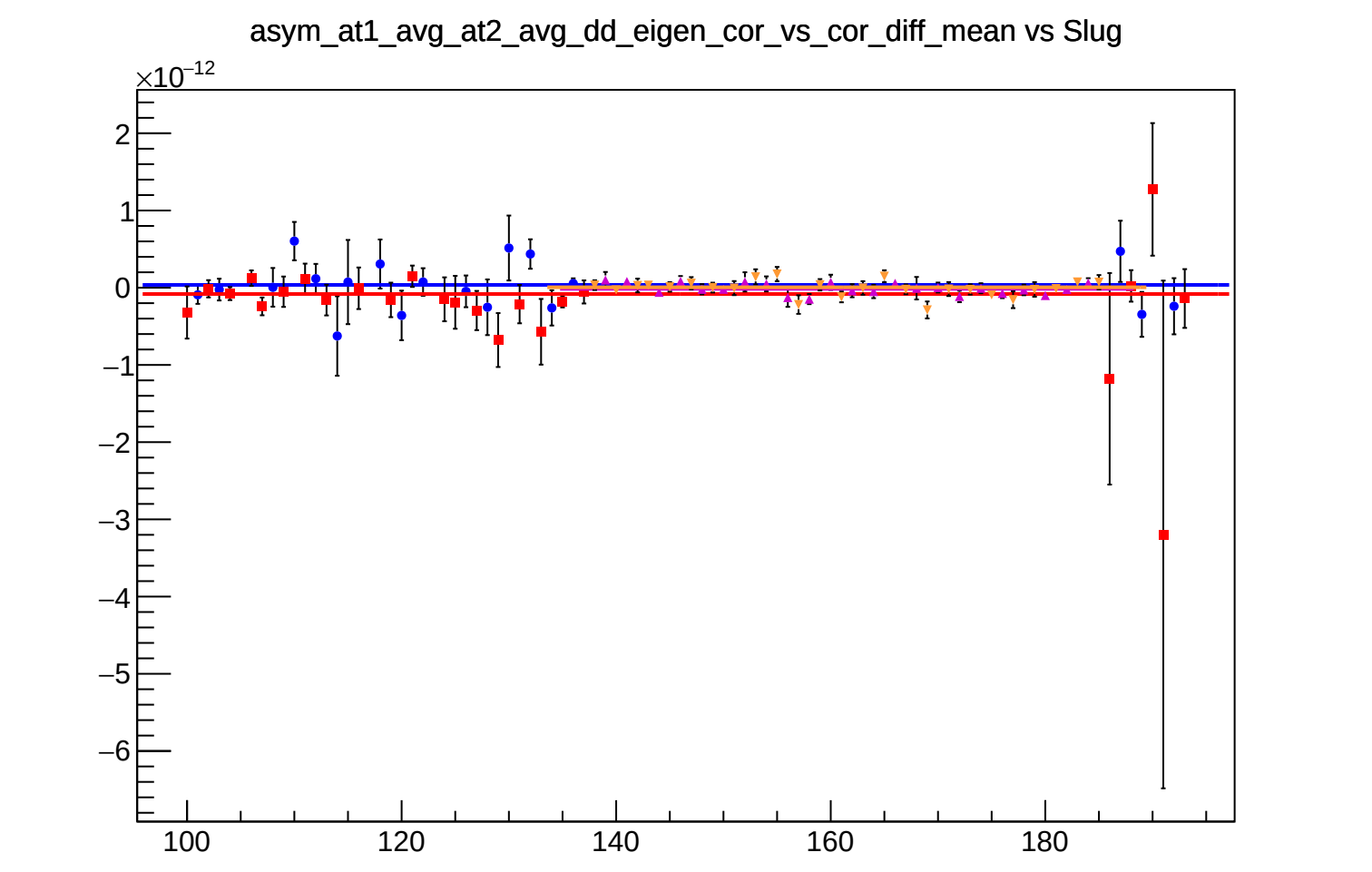
Right Out: 122.562+/-0.031 χ^2/NDF: 2693971.3/23

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.022+/-0.030 χ^2/NDF: 11299012.6/43

All: 179.758+/-0.020 χ^2/NDF: 25232830.5/90

- sign 167.153+/-0.026 χ^2/NDF: 13401698.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

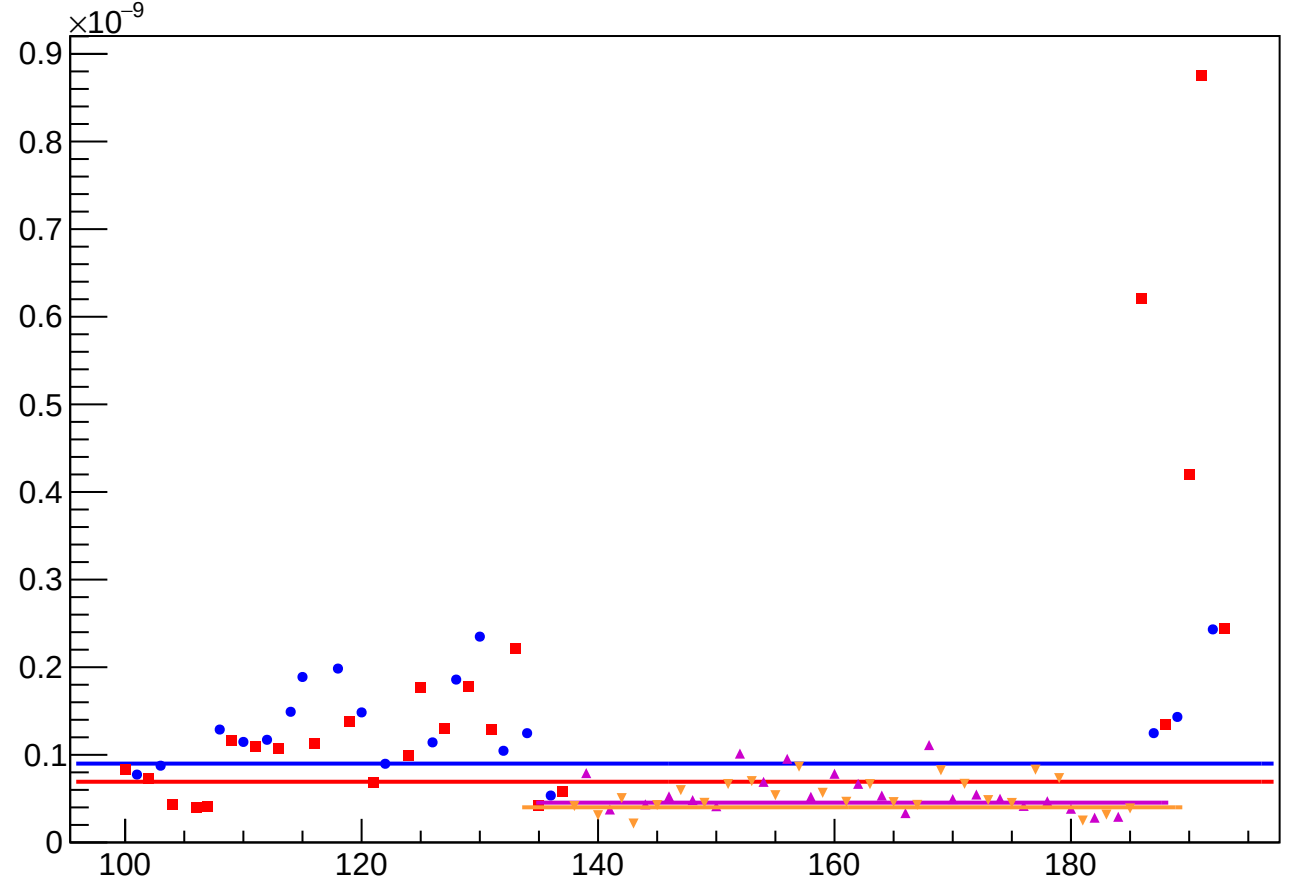
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/23

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: 109.8/90

- sign -0.000+/-0.000 χ^2/NDF: 49.2/46



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: 3592476.4/23

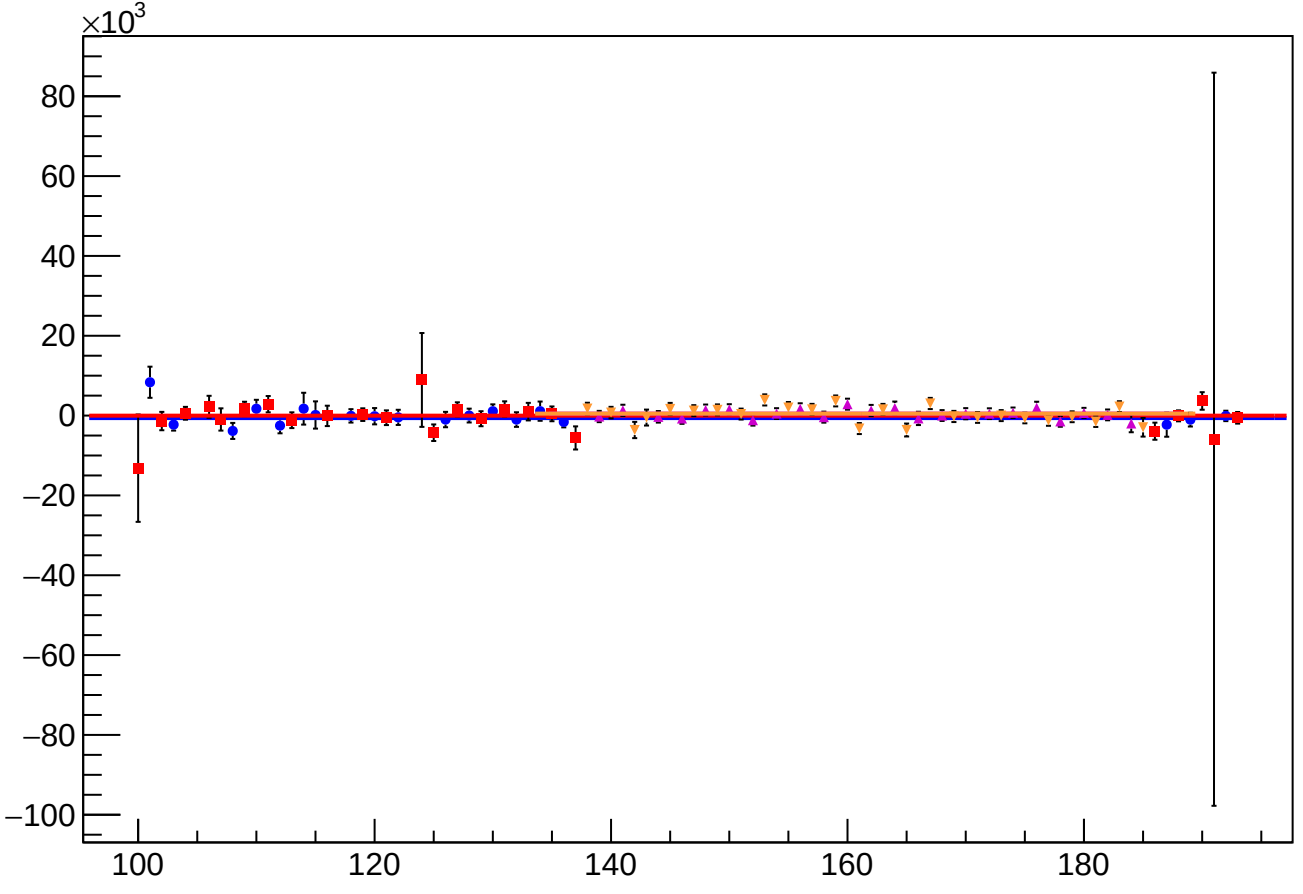
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8254510.5/43

All: 0.000+/-0.000 χ^2/NDF: 15644170.4/90

- sign 0.000+/-0.000 χ^2/NDF: 7239479.9/46

reg_asym_atl1r2_dd_atl2r1_dd_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: -18.998+/-421.514 χ^2/NDF: 22.1/23

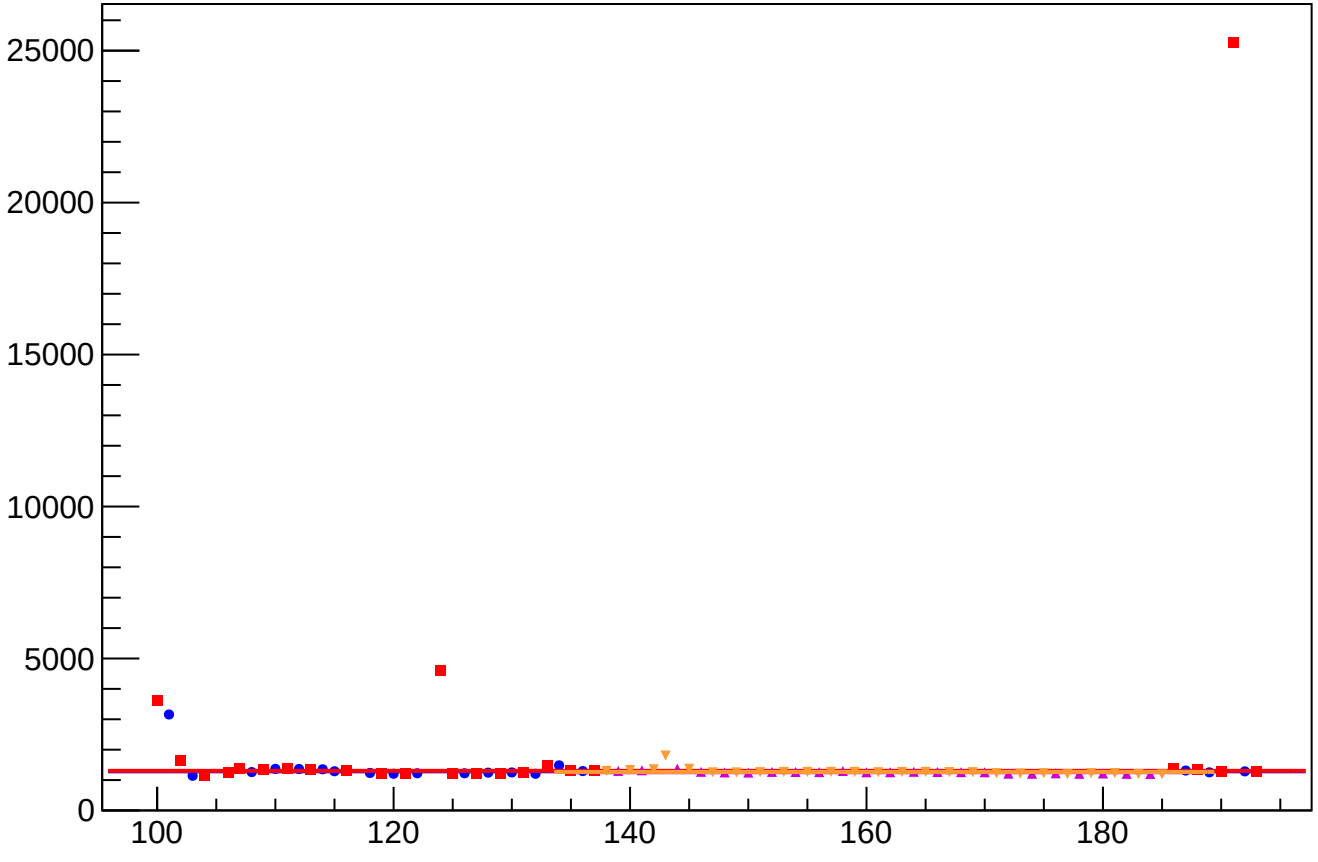
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 152.432+/-240.862 χ^2/NDF: 65.9/43

All: 236.892+/-170.368 χ^2/NDF: 103.7/90

- sign 321.456+/-241.011 χ^2/NDF: 37.5/46

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

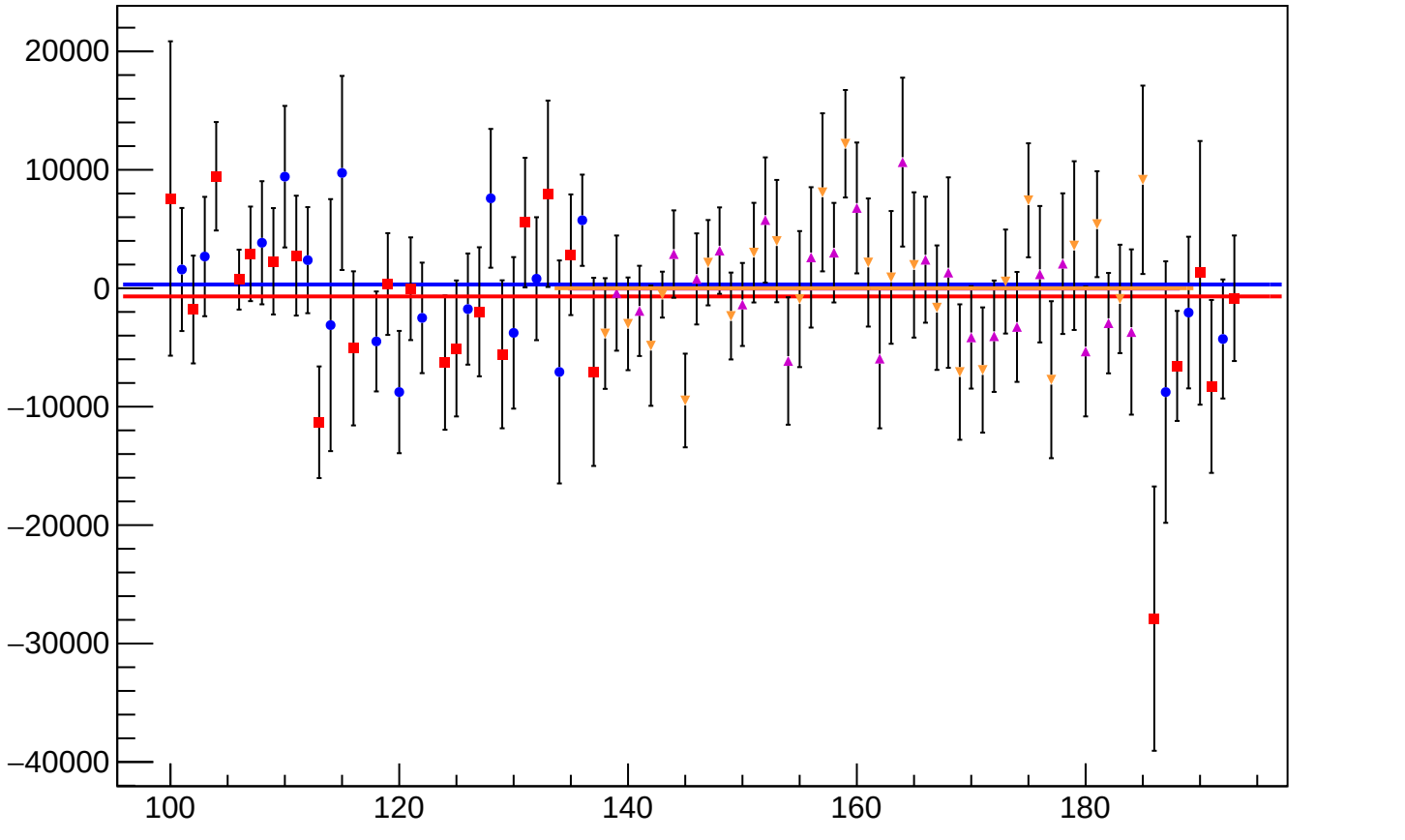
Right Out: 1303.467+/-0.297 χ^2/NDF: 465248.0/23

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706145.6/43

All: 1272.863+/-0.120 χ^2/NDF: 1224230.2/90

- sign 1272.602+/-0.170 χ^2/NDF: 518079.8/46



Right In: 317.922+/-1248.509 χ^2/NDF: 15.9/18

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

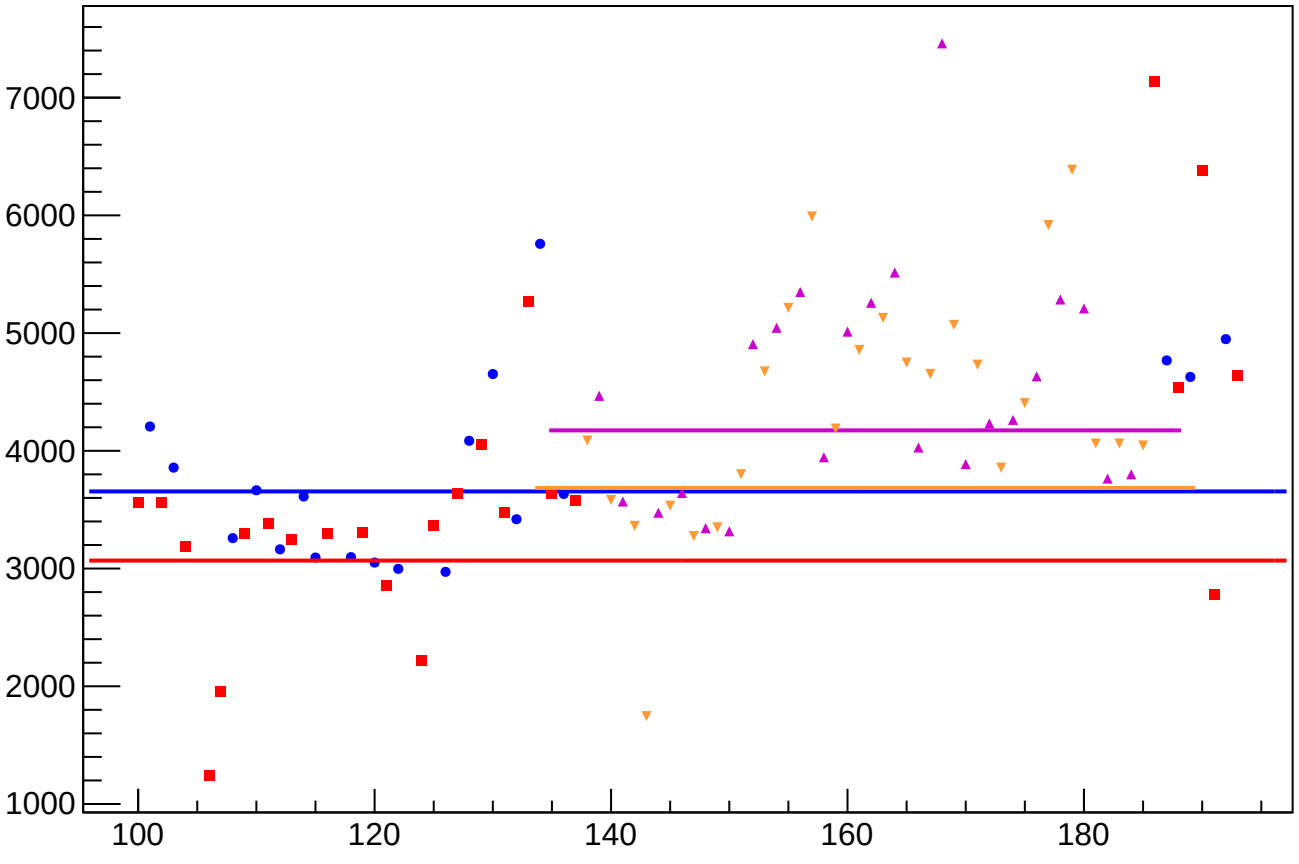
Right Out: -691.152+/-1038.706 χ^2/NDF: 27.5/23

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 106.157+/-722.814 χ^2/NDF: 45.0/43

All: -121.889+/-509.631 χ^2/NDF: 86.9/90

- sign -347.319+/-718.657 χ^2/NDF: 41.8/46



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: 3067.820+/-0.734 χ^2/NDF: 2400847.5/23

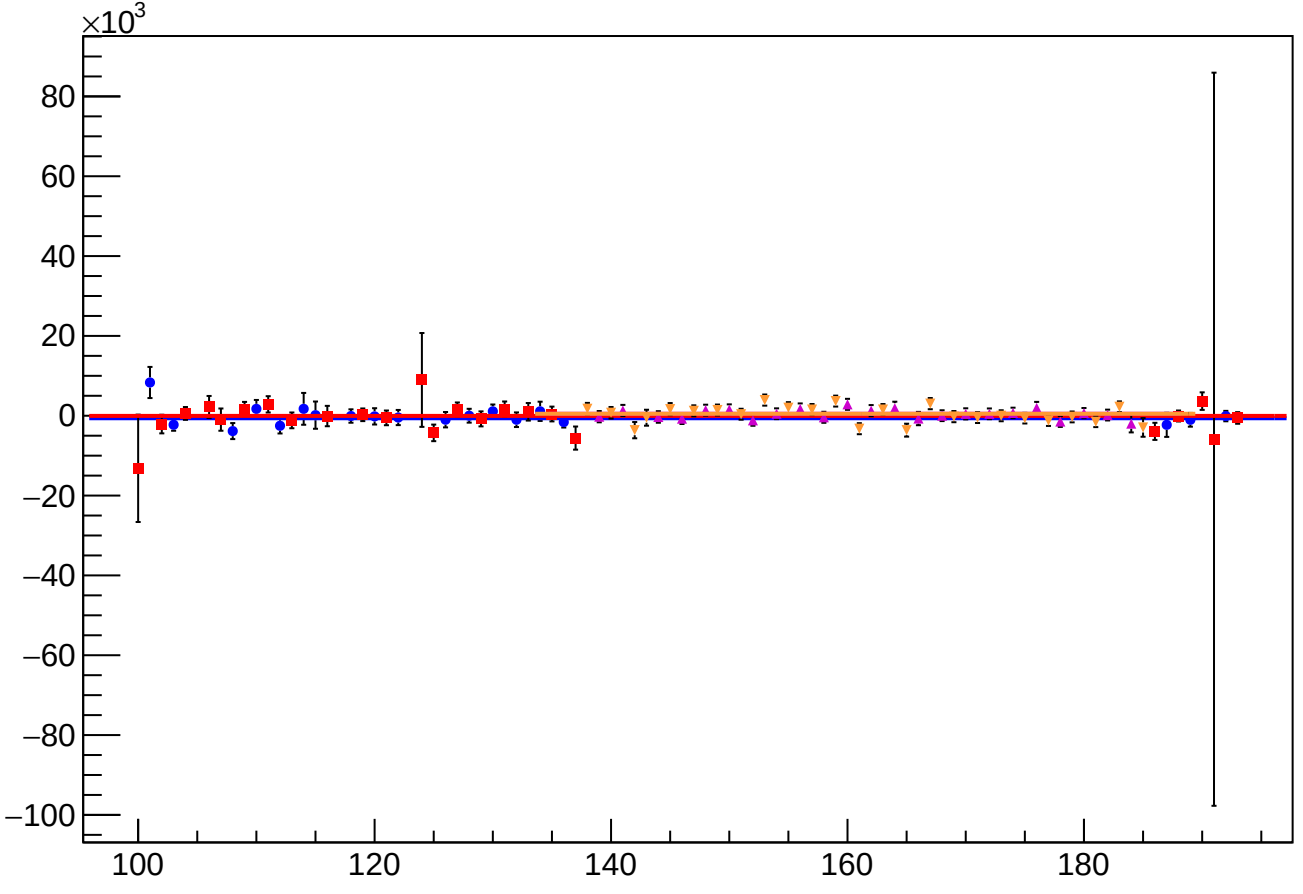
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3674.800+/-0.511 χ^2/NDF: 4272141.3/43

All: 3659.435+/-0.360 χ^2/NDF: 9131275.0/90

- sign 3644.247+/-0.508 χ^2/NDF: 4857336.6/46

cor_asym_atl1r2_dd_atl2r1_dd_dd_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: -40.726+/-421.723 χ^2/NDF: 22.6/23

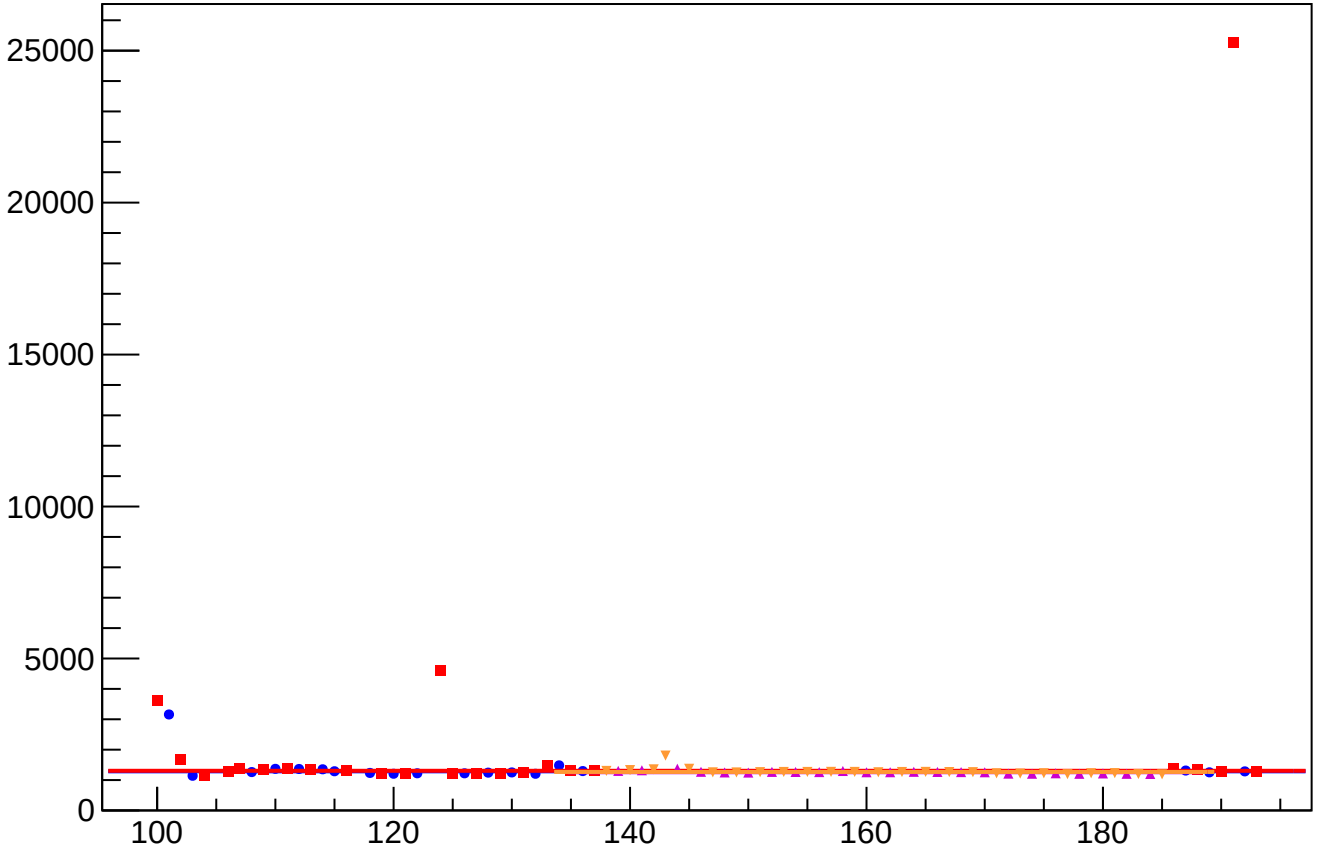
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 233.310+/-170.382 χ^2/NDF: 104.2/90

- sign 314.399+/-241.050 χ^2/NDF: 38.1/46

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

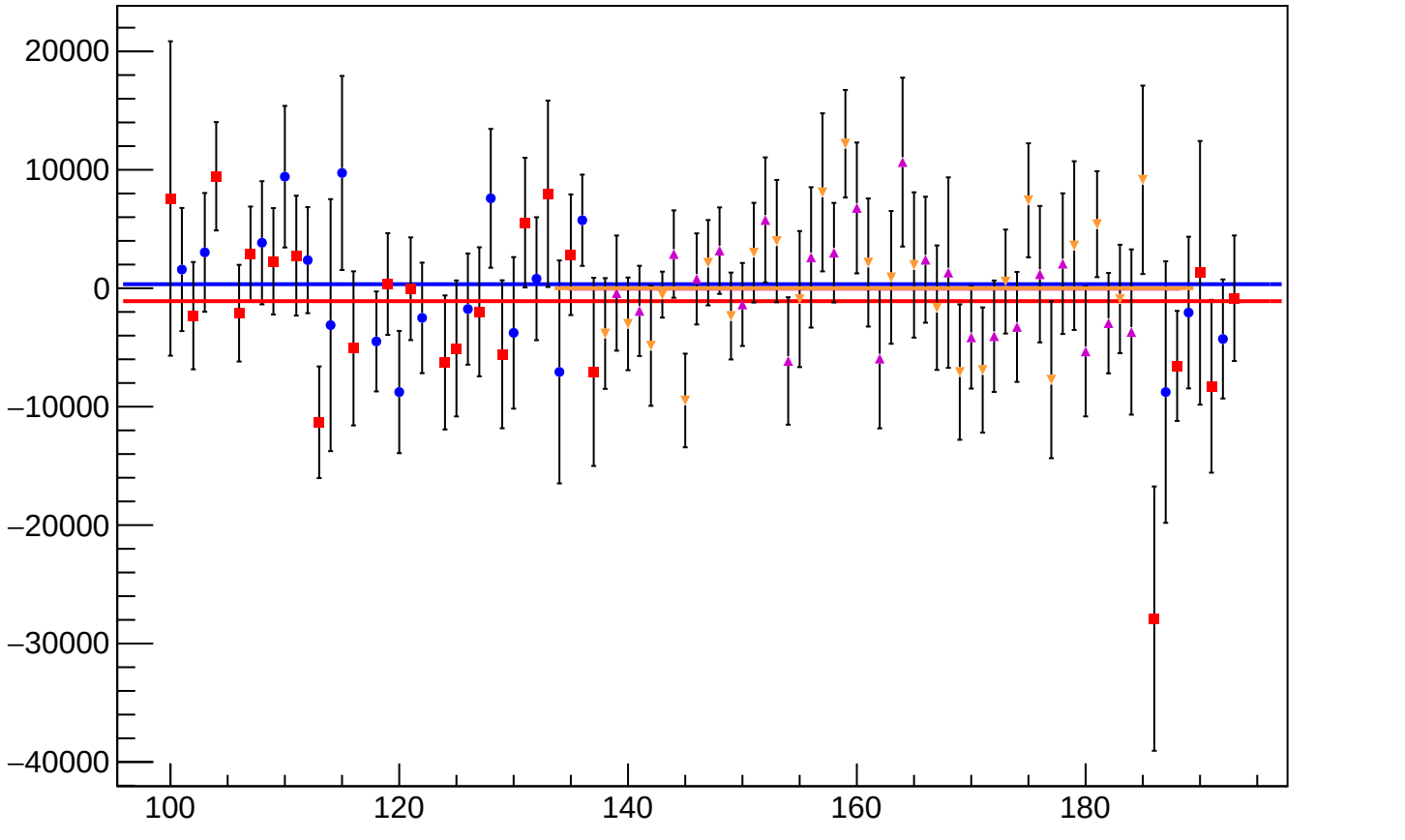
Right Out: 1304.993+/-0.298 χ^2/NDF: 471624.2/23

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.102+/-0.120 χ^2/NDF: 1231660.7/90

- sign 1273.080+/-0.170 χ^2/NDF: 525513.7/46



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

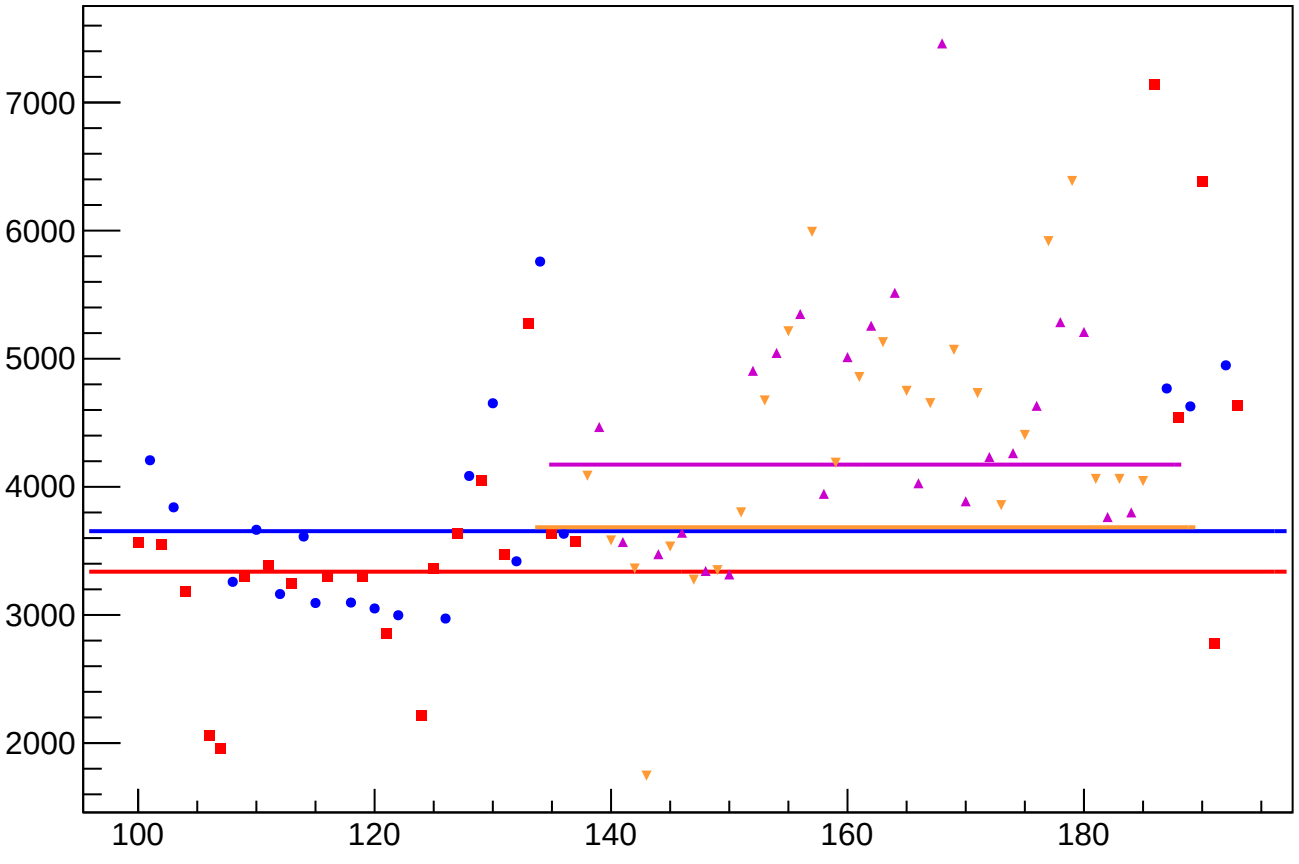
Right Out: -1089.915+/-1096.873 χ^2/NDF: 27.3/23

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 114.011+/-722.740 χ^2/NDF: 45.0/43

All: -191.621+/-516.057 χ^2/NDF: 87.2/90

- sign -509.521+/-737.102 χ^2/NDF: 41.8/46



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

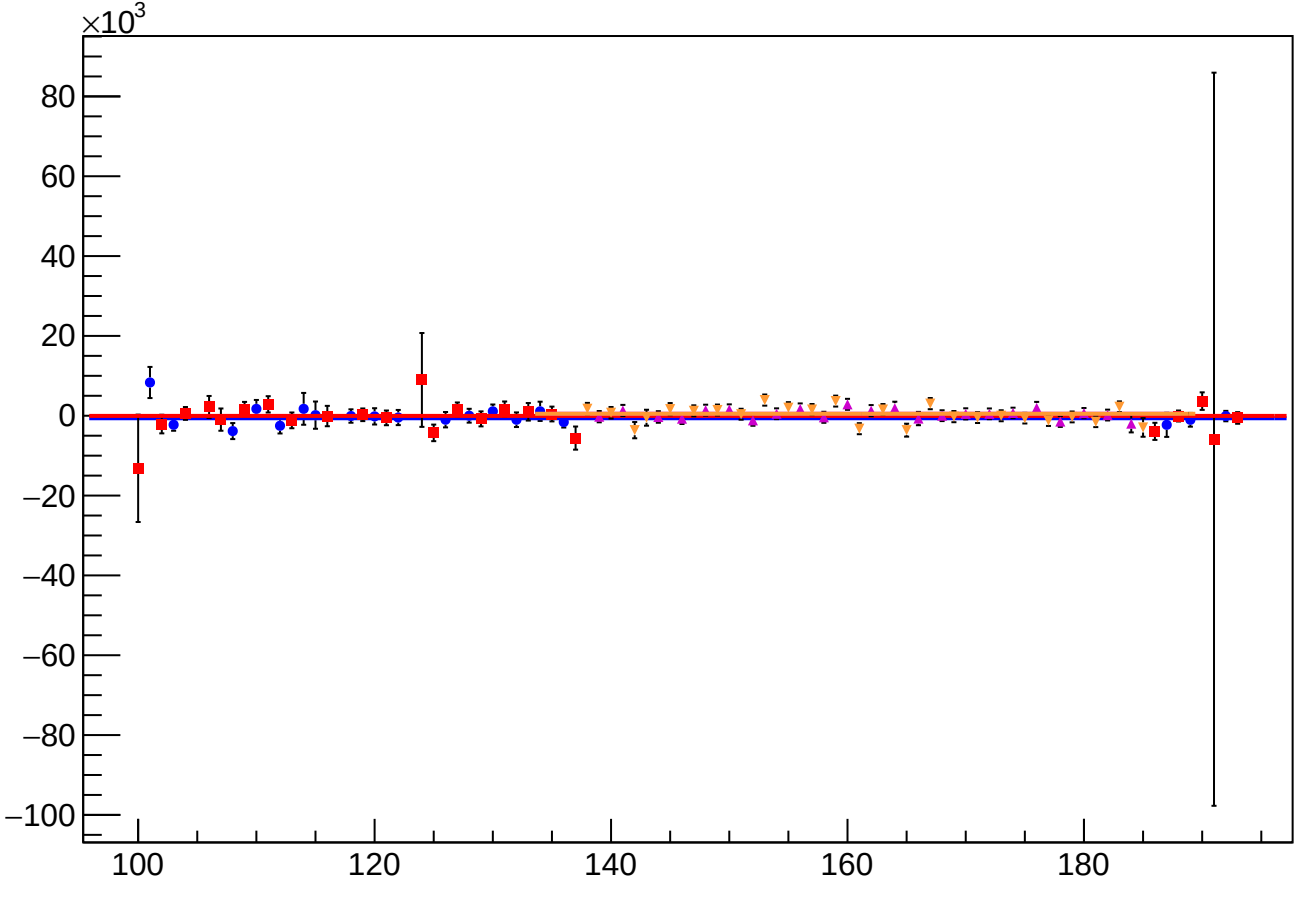
Right Out: 3337.829+/-0.776 χ^2/NDF: 1357527.1/23

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3734.122+/-0.365 χ^2/NDF: 7568800.0/90

- sign 3796.148+/-0.521 χ^2/NDF: 3269211.9/46



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: -40.726+/-421.723 χ^2/NDF: 22.6/23

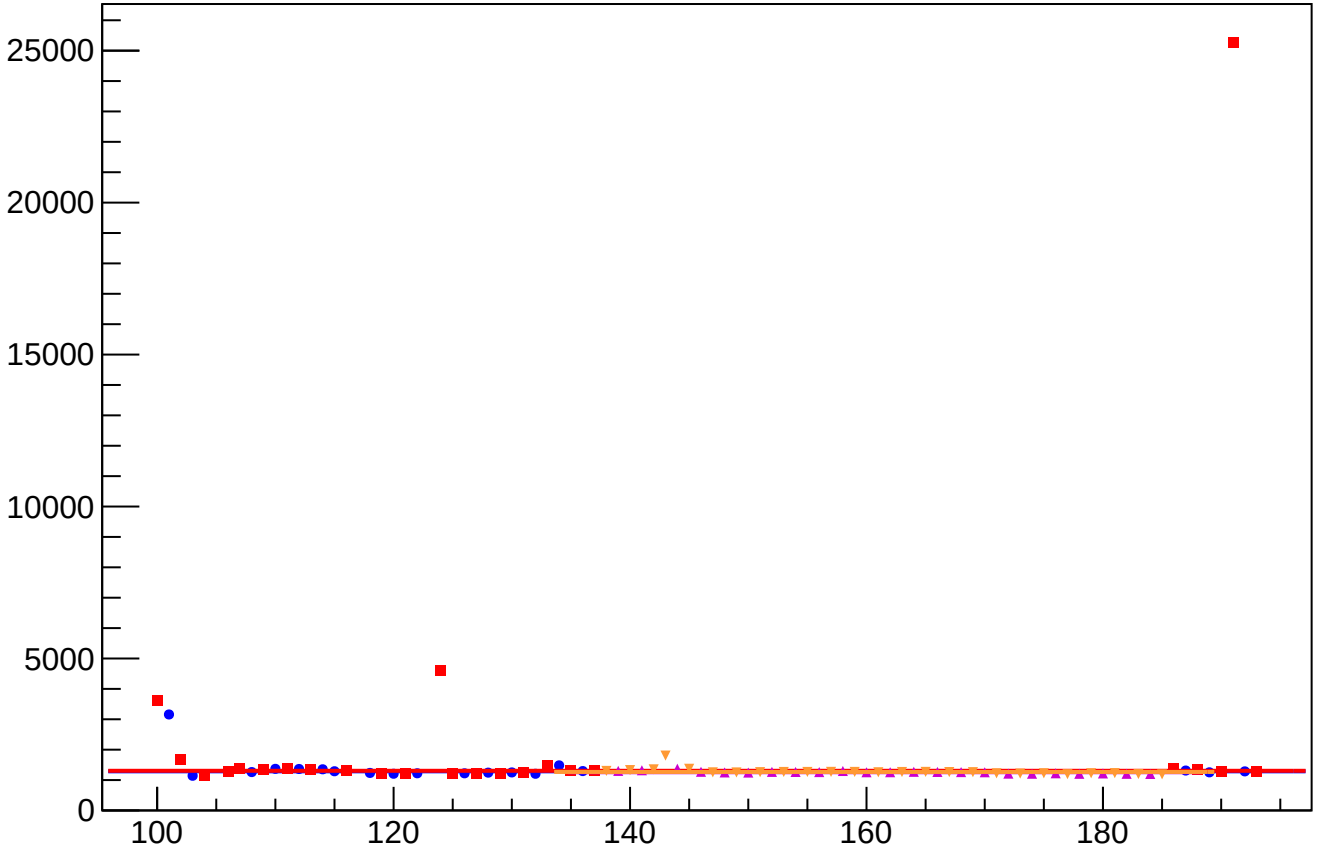
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 233.310+/-170.382 χ^2/NDF: 104.2/90

- sign 314.399+/-241.050 χ^2/NDF: 38.1/46

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

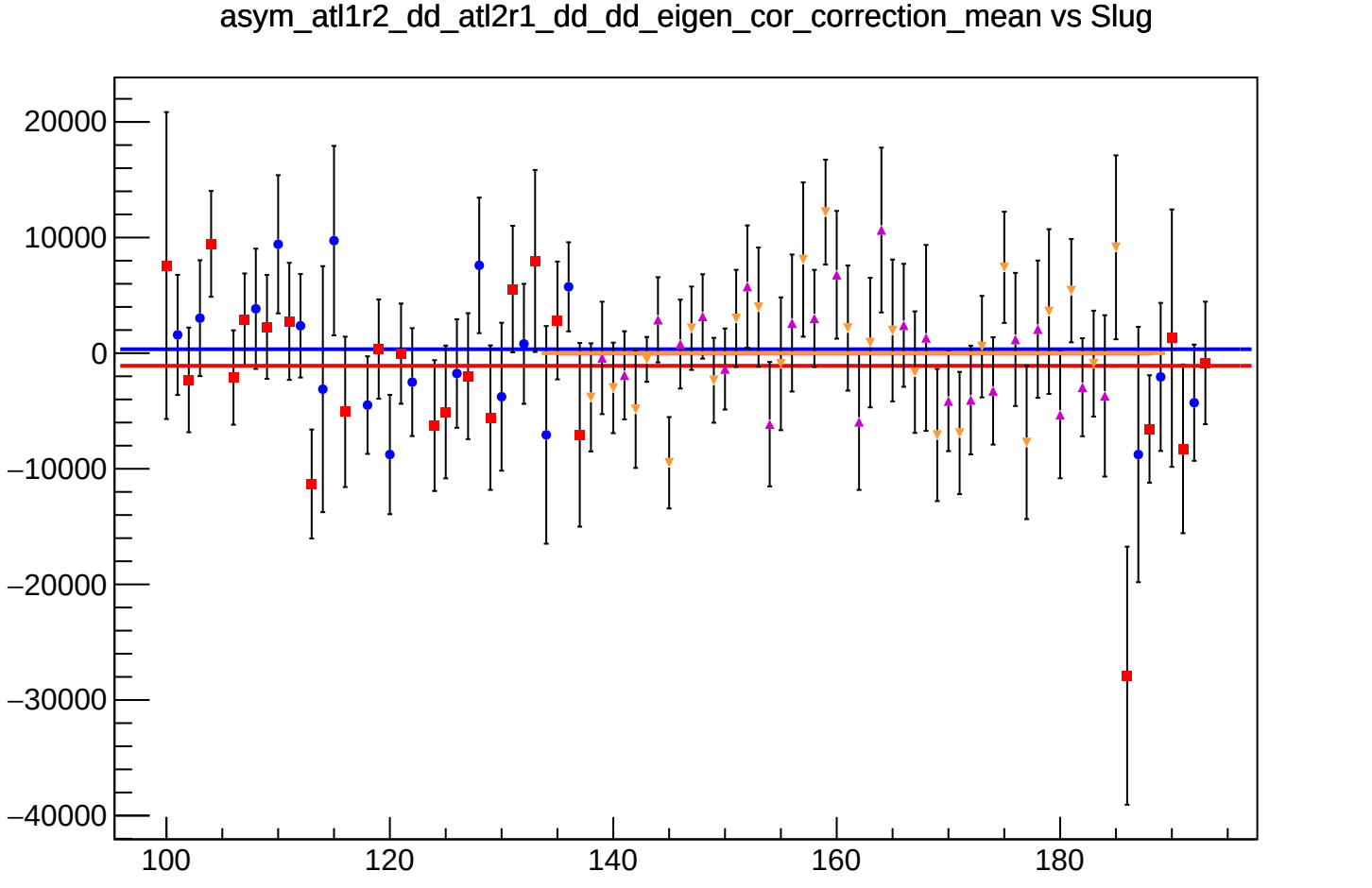
Right Out: 1304.993+/-0.298 χ^2/NDF: 471624.2/23

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.102+/-0.120 χ^2/NDF: 1231660.7/90

- sign 1273.080+/-0.170 χ^2/NDF: 525513.7/46



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

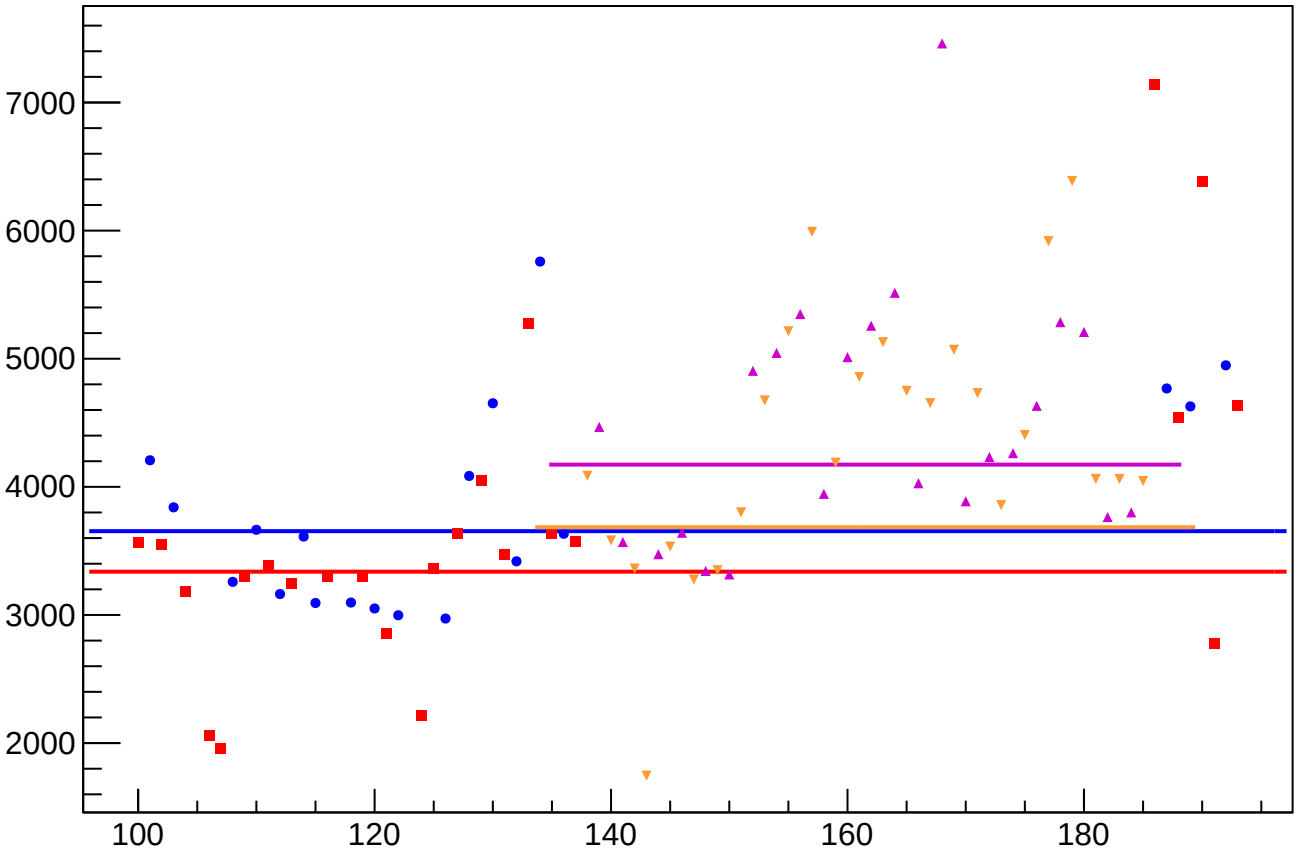
Right Out: -1089.915+/-1096.873 χ^2/NDF: 27.3/23

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 114.011+/-722.740 χ^2/NDF: 45.0/43

All: -191.621+/-516.057 χ^2/NDF: 87.2/90

- sign -509.521+/-737.102 χ^2/NDF: 41.8/46



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: 3337.829+/-0.776 χ^2/NDF: 1357527.1/23

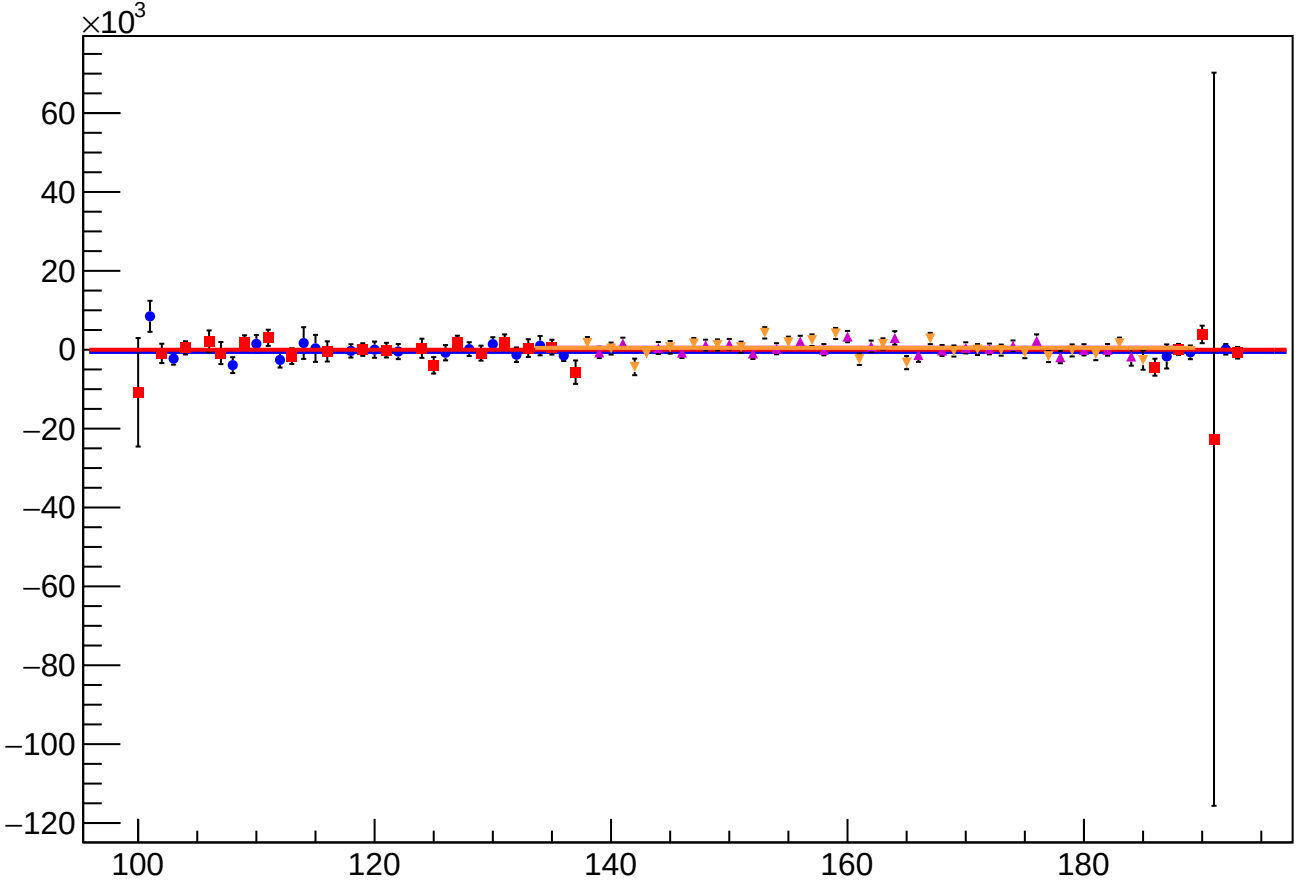
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3734.122+/-0.365 χ^2/NDF: 7568800.0/90

- sign 3796.148+/-0.521 χ^2/NDF: 3269211.9/46

dit_asym_atl1r2_dd_atl2r1_dd_dd_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: -3.055+/-420.891 χ^2/NDF: 22.6/23

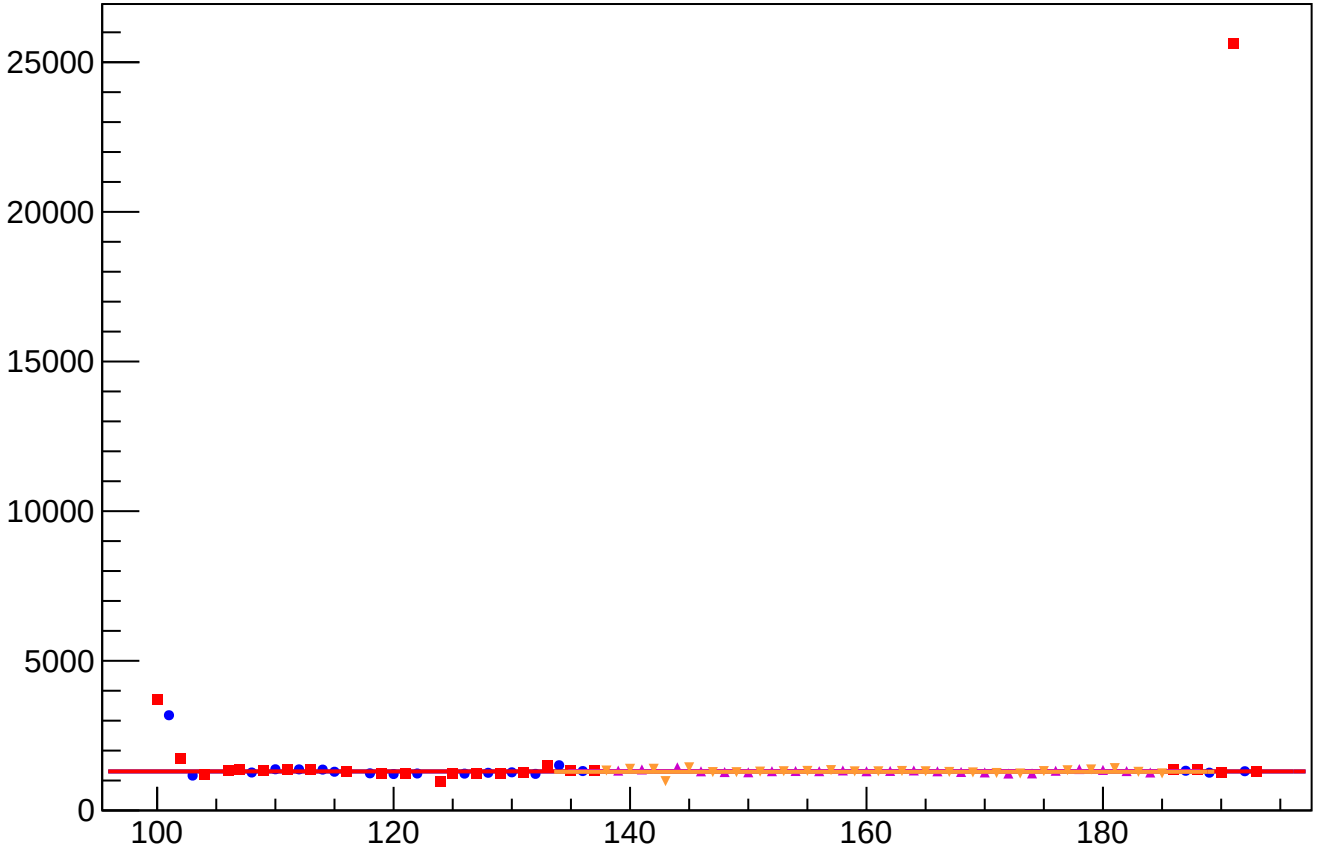
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 154.290+/-245.075 χ^2/NDF: 62.3/43

All: 239.888+/-174.340 χ^2/NDF: 103.5/90

- sign 327.584+/-248.059 χ^2/NDF: 40.9/46

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

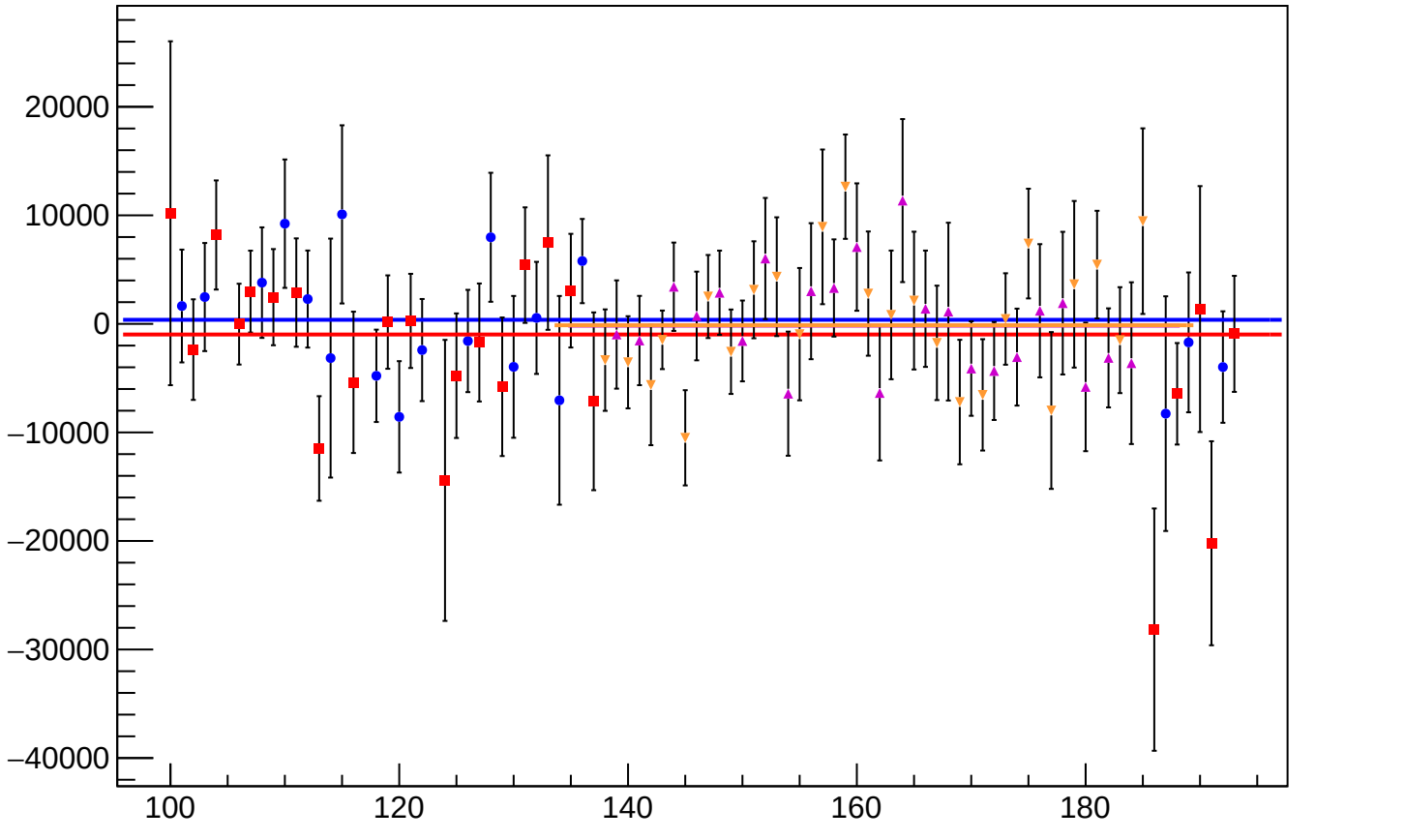
Right Out: 1305.319+/-0.297 χ^2/NDF: 360118.8/23

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.690+/-0.173 χ^2/NDF: 743518.9/43

All: 1302.741+/-0.123 χ^2/NDF: 1151607.7/90

- sign 1310.986+/-0.175 χ^2/NDF: 403720.0/46



Right In: 374.648+/-1251.845 χ^2/NDF: 15.7/18

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

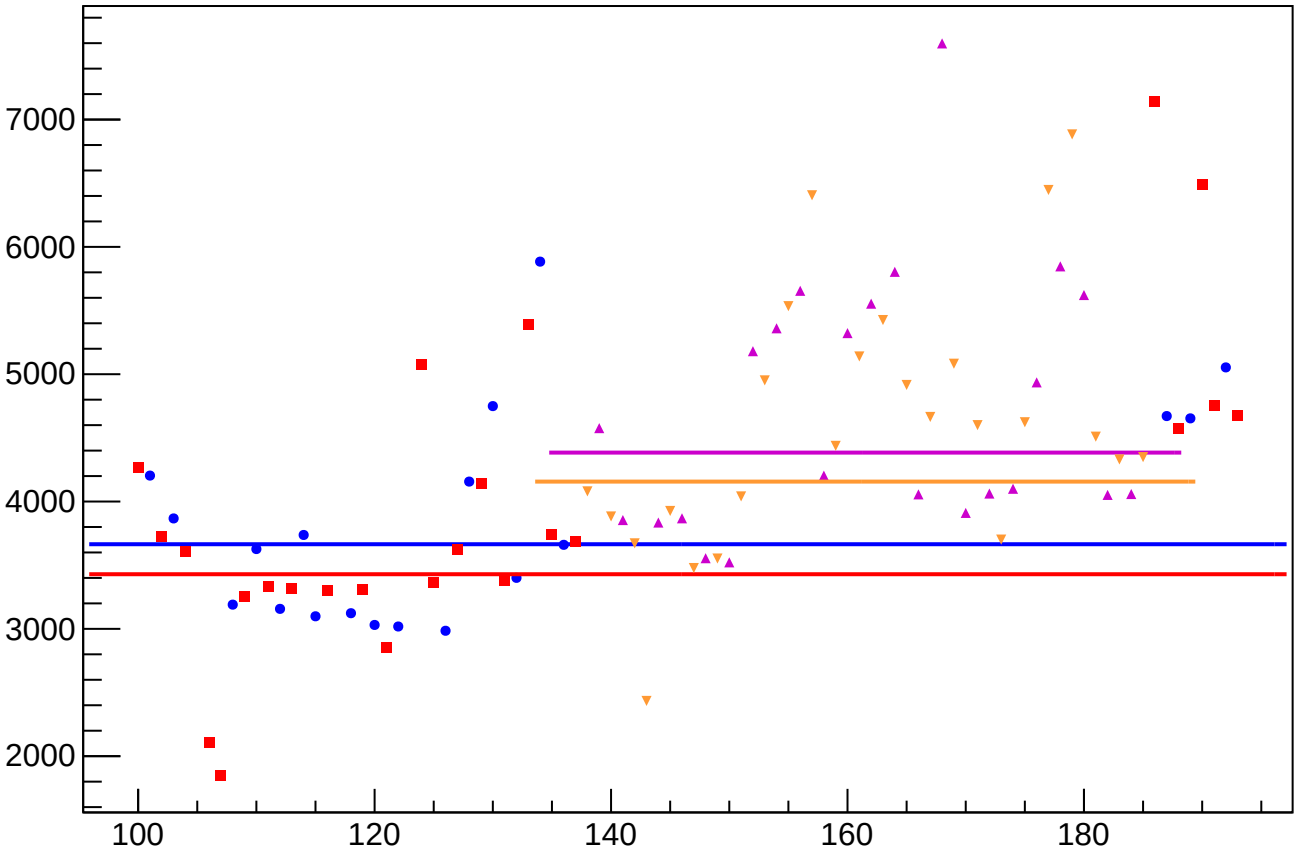
Right Out: -979.026+/-1116.434 χ^2/NDF: 29.0/23

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 62.777+/-770.312 χ^2/NDF: 44.4/43

All: -242.637+/-542.136 χ^2/NDF: 87.8/90

- sign -542.381+/-763.129 χ^2/NDF: 43.1/46



Right In: 3664.685+/-0.885 χ^2/NDF: 611305.2/18

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

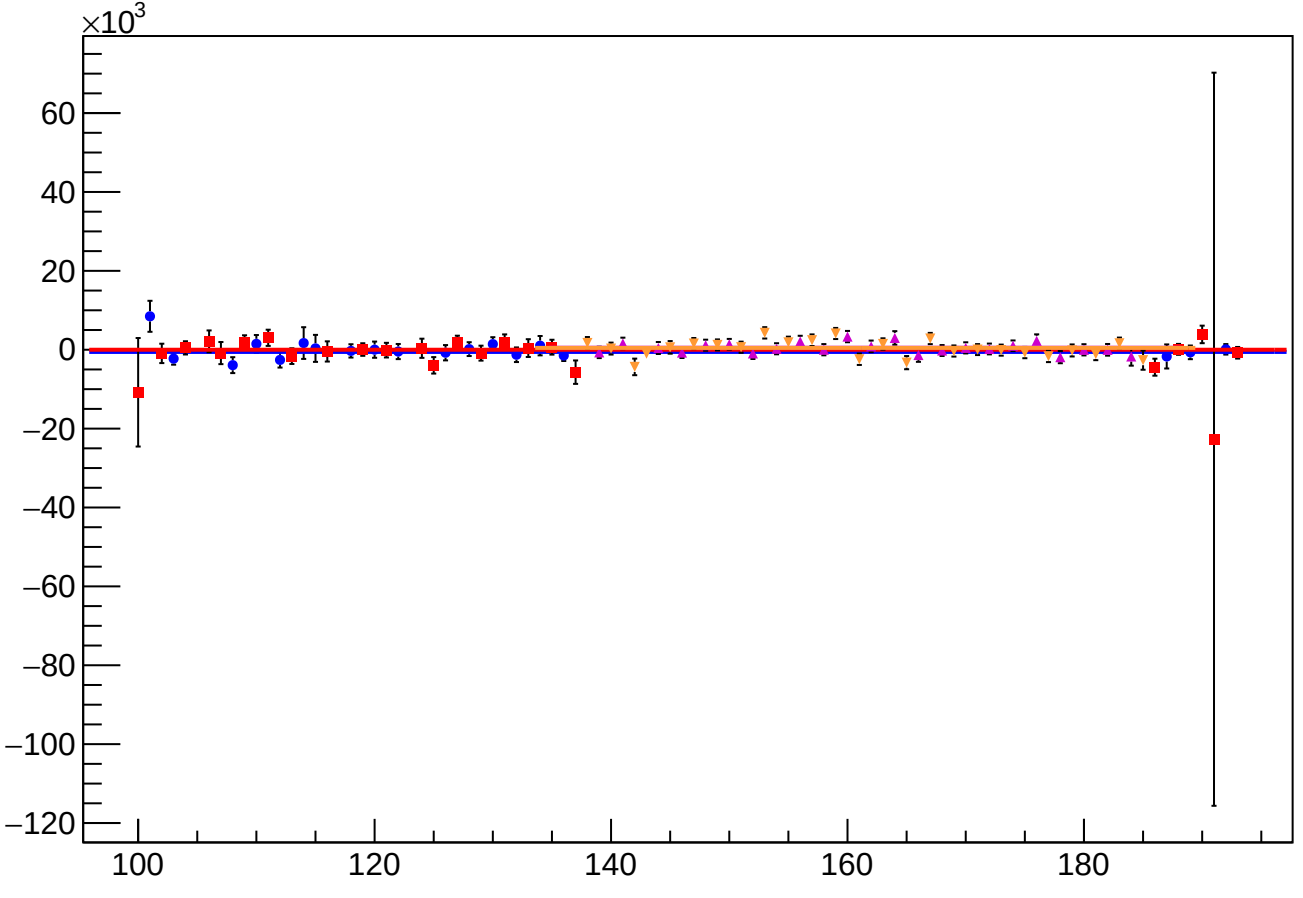
Right Out: 3429.095+/-0.789 χ^2/NDF: 1485302.2/23

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3970.327+/-0.545 χ^2/NDF: 2883945.7/43

All: 3954.018+/-0.383 χ^2/NDF: 6406537.3/90

- sign 3938.012+/-0.540 χ^2/NDF: 3520815.2/46



Right In: -555.882+/-442.785 χ^2/NDF: 14.5/18

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

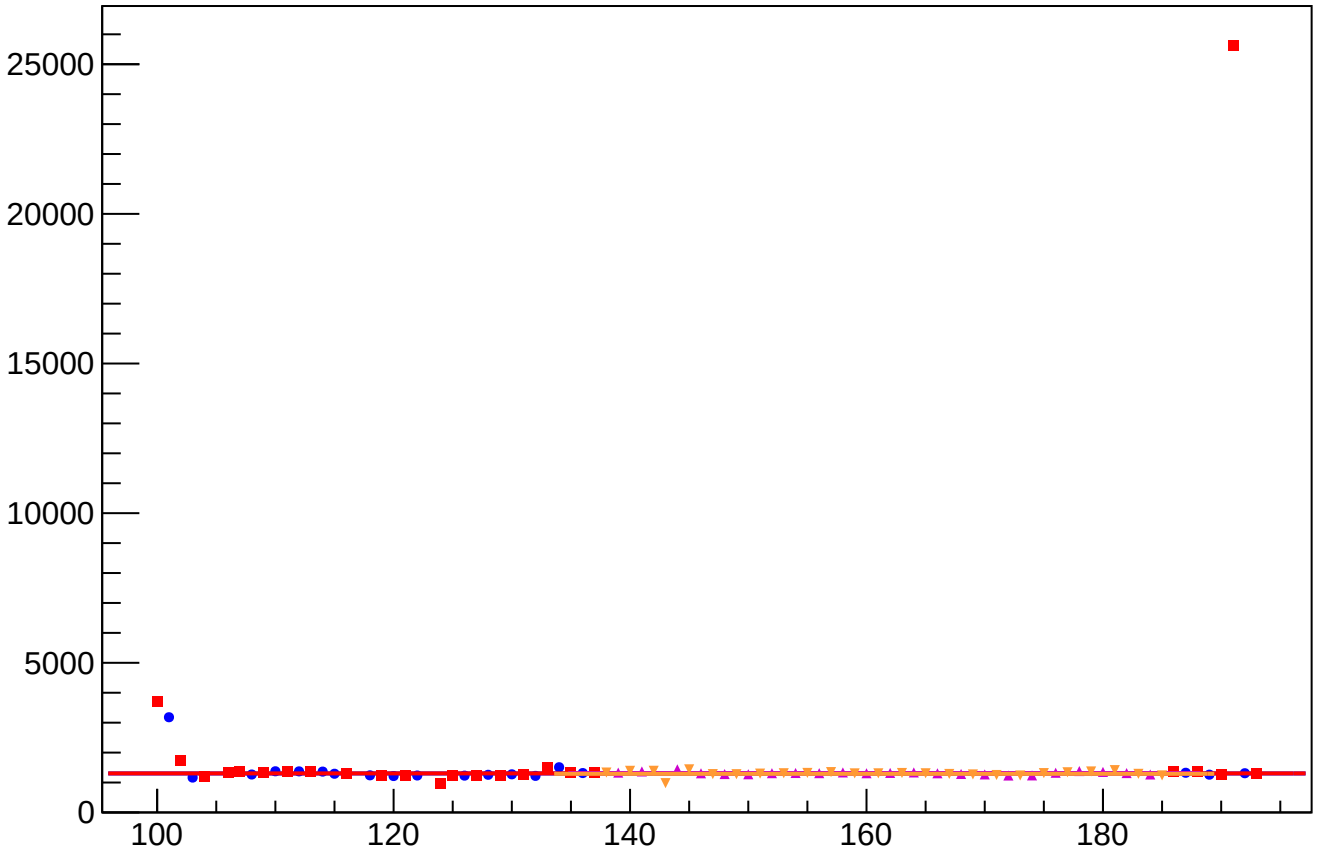
Right Out: -3.048+/-420.891 χ^2/NDF: 22.6/23

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 154.291+/-245.075 χ^2/NDF: 62.3/43

All: 239.890+/-174.340 χ^2/NDF: 103.5/90

- sign 327.587+/-248.060 χ^2/NDF: 40.9/46



Right In: 1302.568+/-0.313 χ^2/NDF: 511871.1/18

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

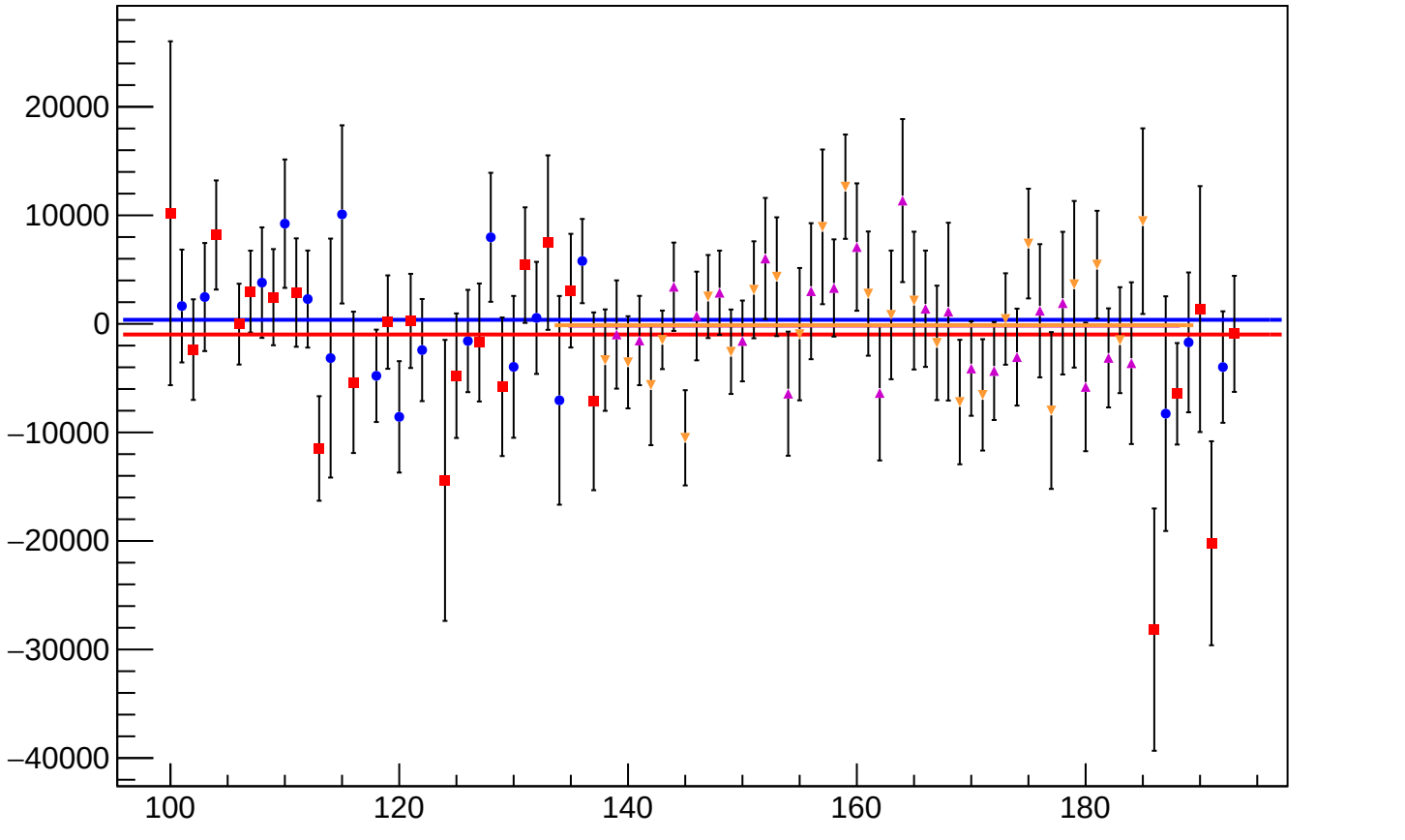
Right Out: 1305.319+/-0.297 χ^2/NDF: 360119.0/23

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.691+/-0.173 χ^2/NDF: 743521.3/43

All: 1302.742+/-0.123 χ^2/NDF: 1151612.5/90

- sign 1310.987+/-0.175 χ^2/NDF: 403722.4/46



Right In: 374.640+/-1251.843 χ^2/NDF: 15.7/18

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

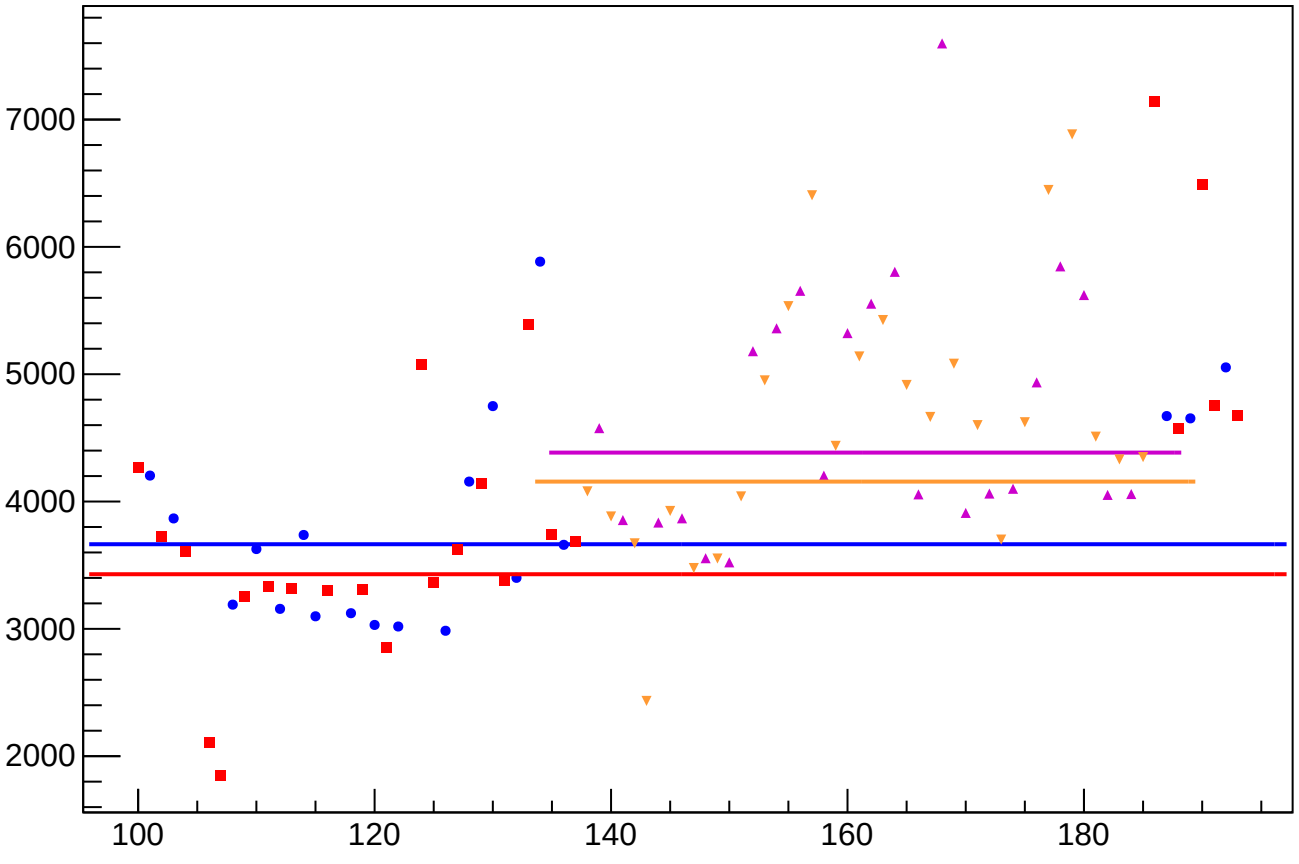
Right Out: -979.017+/-1116.431 χ^2/NDF: 29.0/23

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

\+ sign 62.776+/-770.313 χ^2/NDF: 44.4/43

All: -242.636+/-542.136 χ^2/NDF: 87.8/90

\- sign -542.380+/-763.129 χ^2/NDF: 43.1/46



Right In: 3664.676+/-0.885 χ^2/NDF: 611314.1/18

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

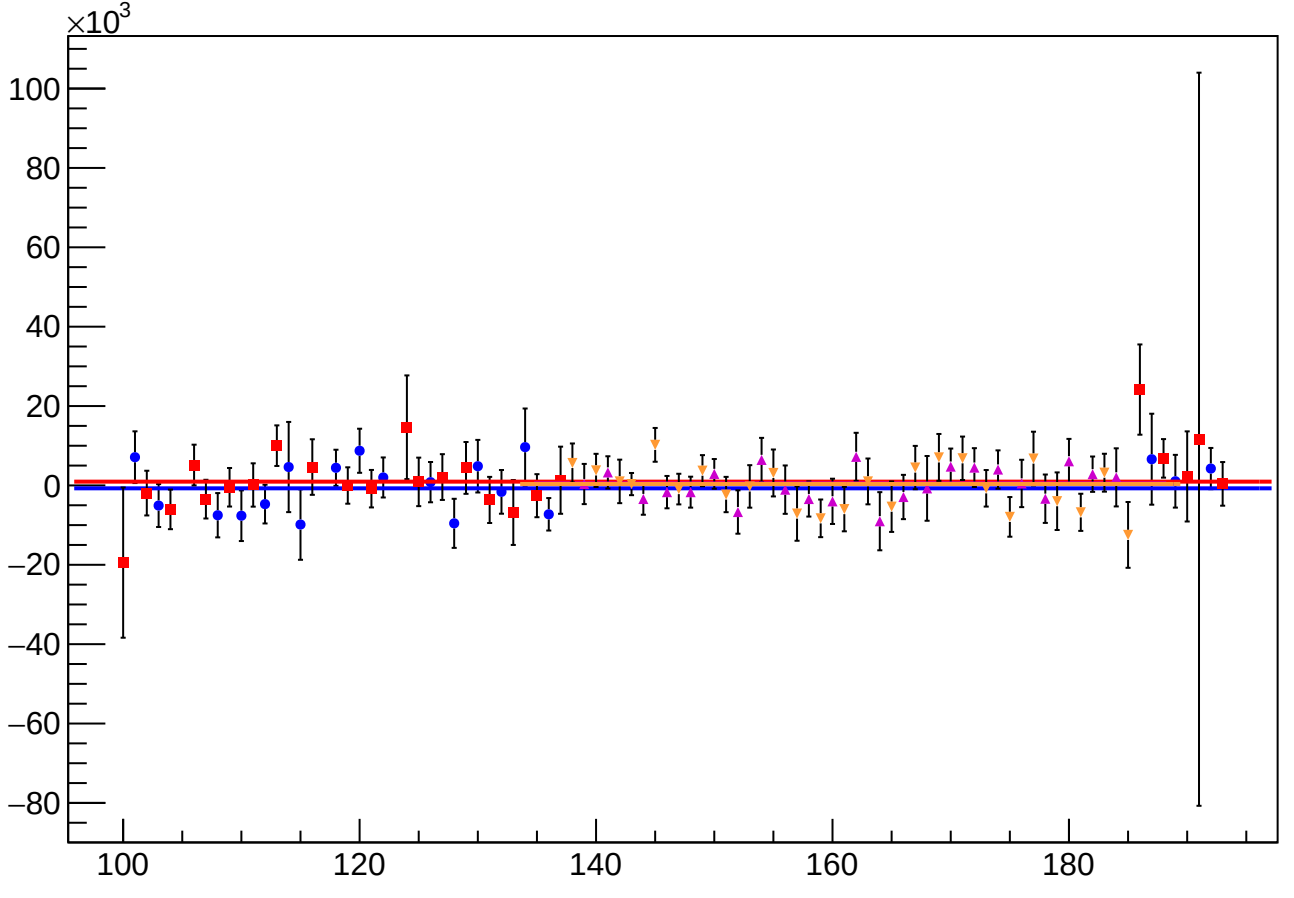
Right Out: 3429.088+/-0.789 χ^2/NDF: 1485311.2/23

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3970.327+/-0.545 χ^2/NDF: 2883969.3/43

All: 3954.017+/-0.383 χ^2/NDF: 6406597.5/90

- sign 3938.011+/-0.540 χ^2/NDF: 3520851.6/46



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: 953.045+/-1239.108 χ^2/NDF: 17.6/23

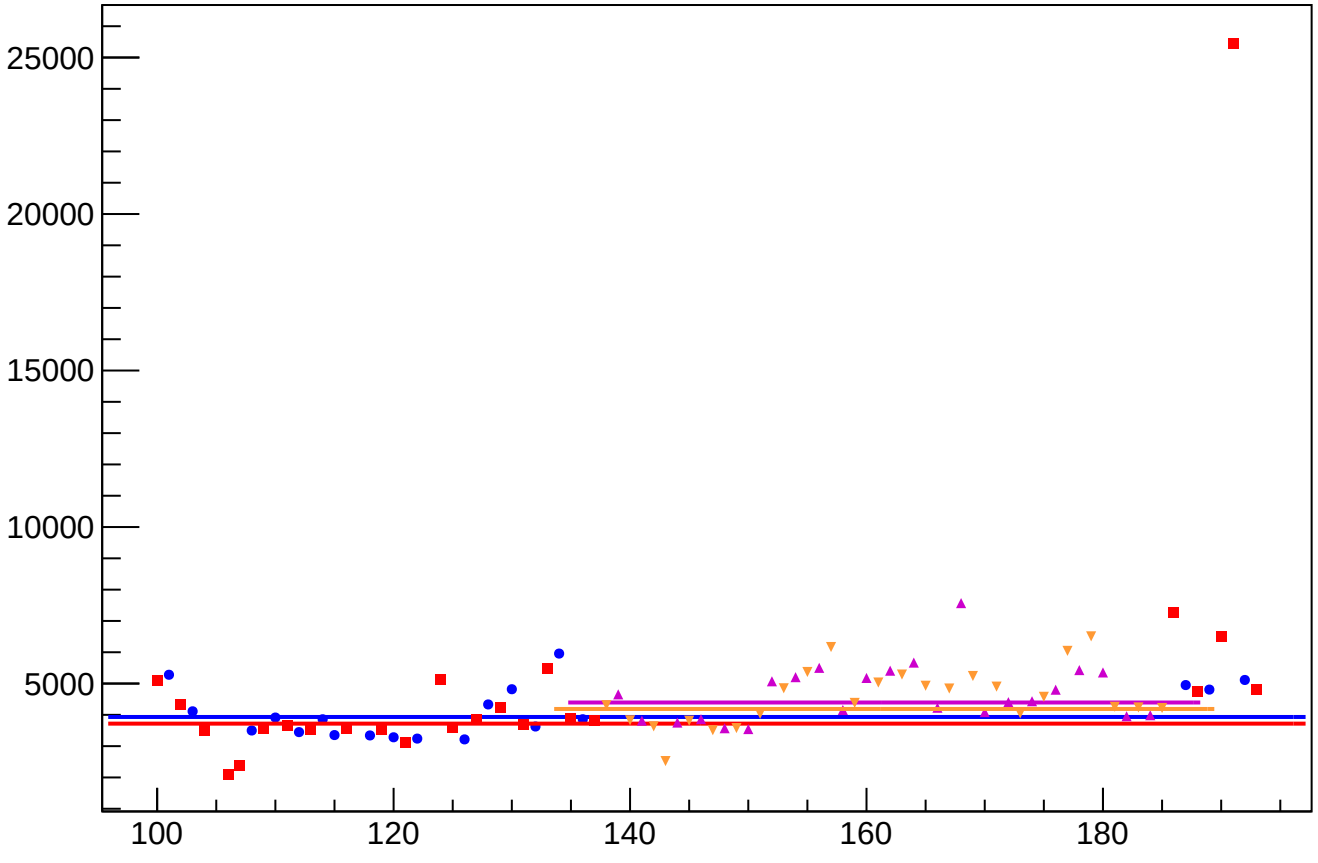
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -18.523+/-791.369 χ^2/NDF: 47.2/43

All: 330.875+/-562.160 χ^2/NDF: 79.2/90

- sign 686.788+/-798.712 χ^2/NDF: 31.6/46

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

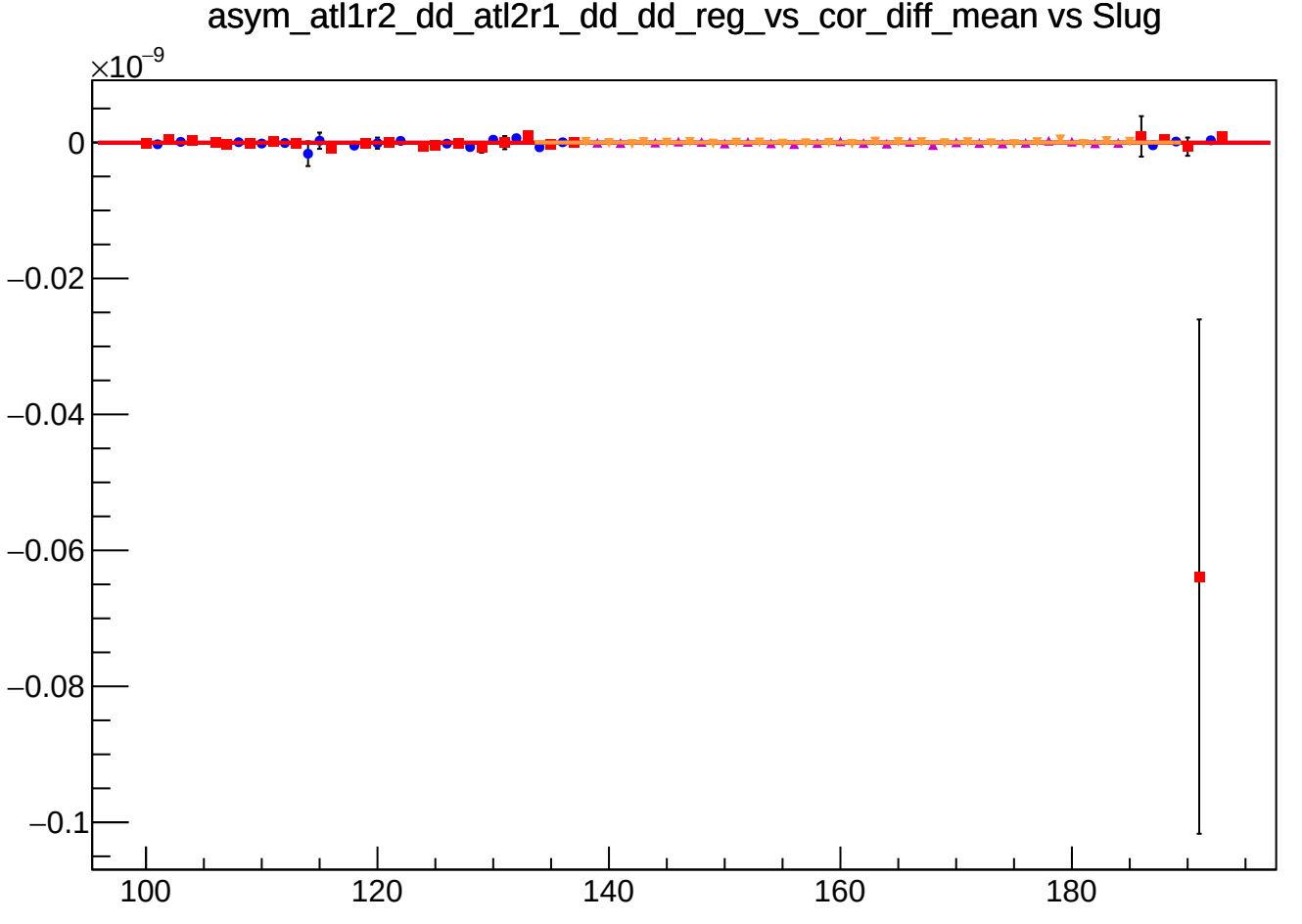
Right Out: 3719.200+/-0.866 χ^2/NDF: 1246466.9/23

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4098.918+/-0.560 χ^2/NDF: 2401731.2/43

All: 4104.400+/-0.397 χ^2/NDF: 5088626.8/90

- sign 4109.929+/-0.562 χ^2/NDF: 2686702.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

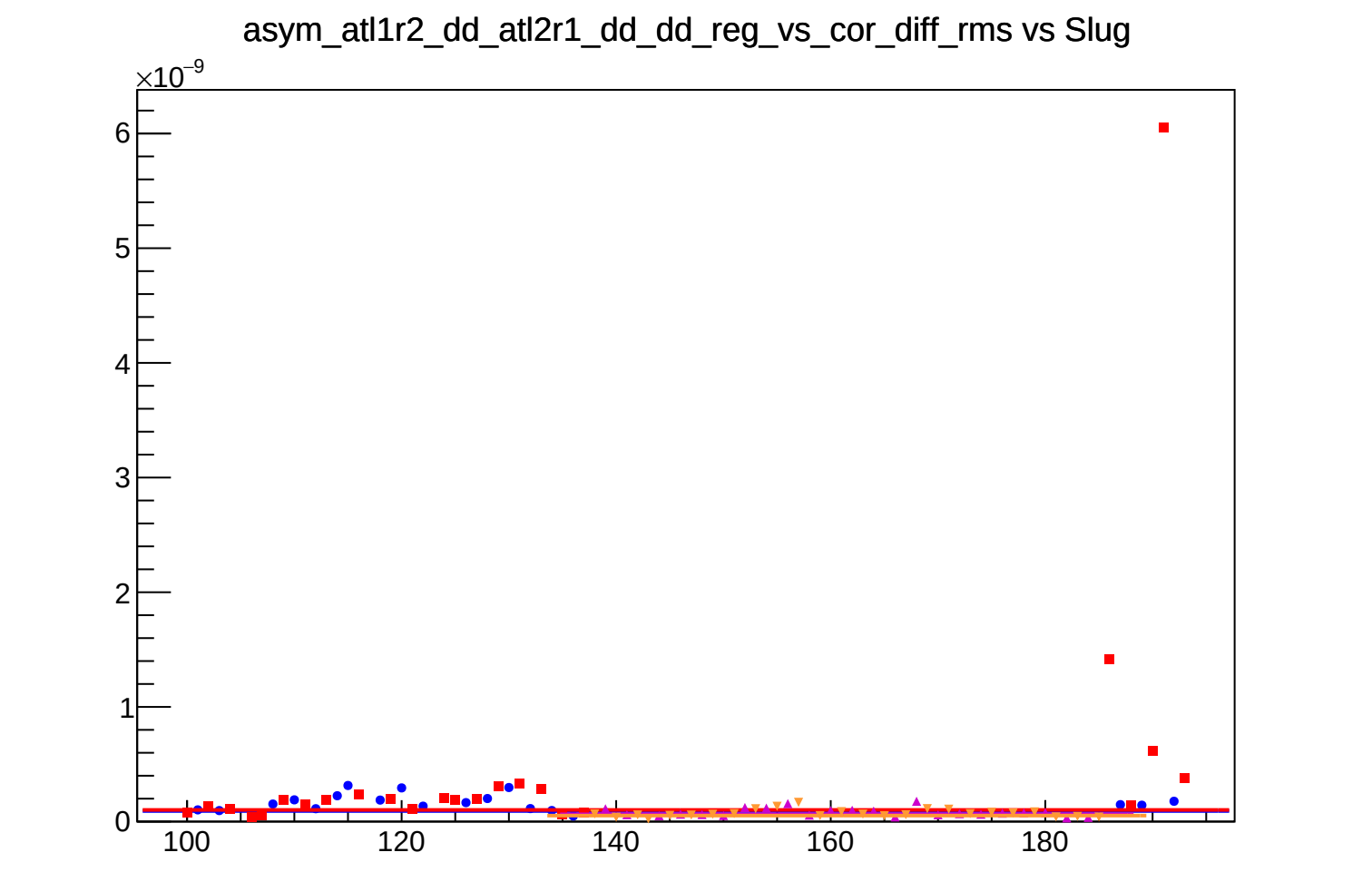
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/23

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: 89.4/90

- sign -0.000+/-0.000 χ^2/NDF: 40.5/46



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: 2930136.9/23

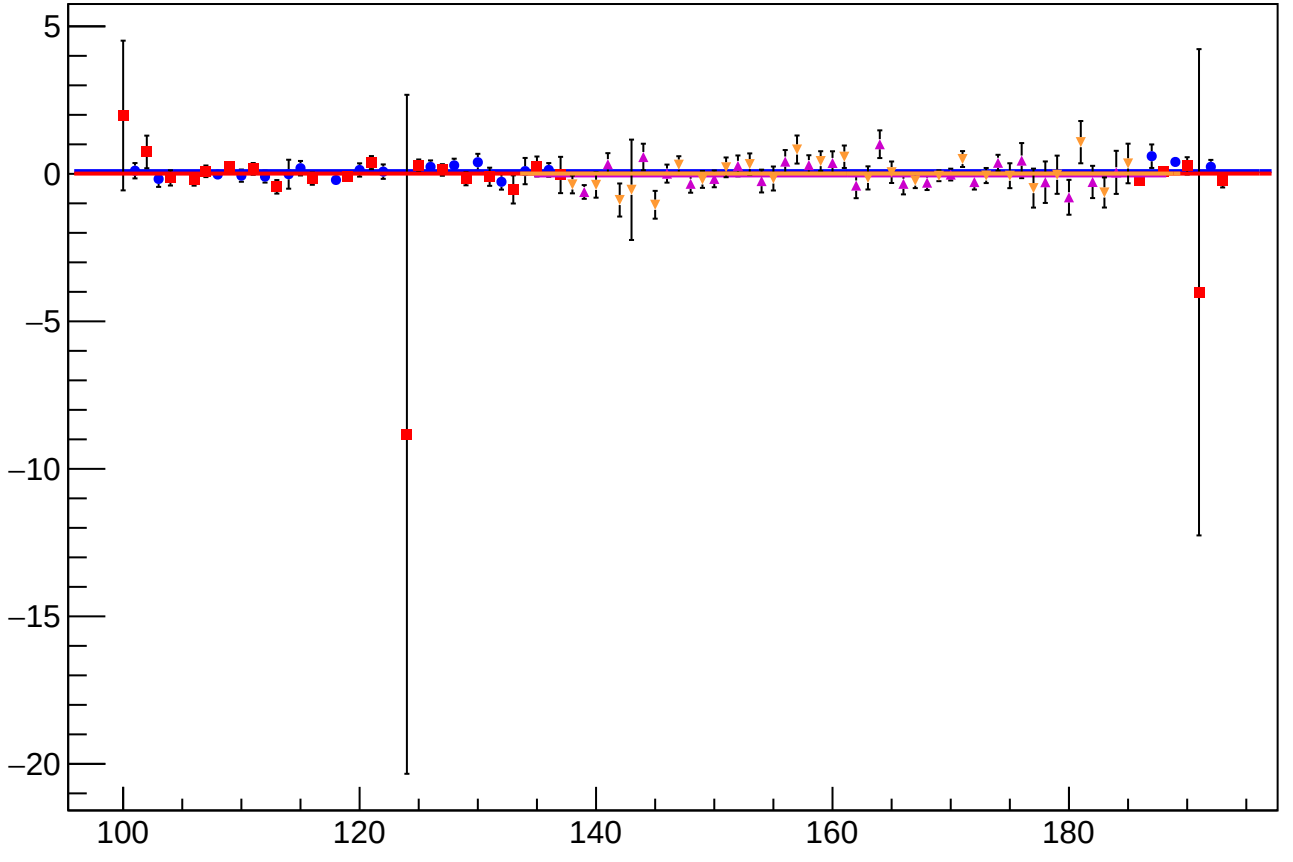
Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5077576.1/43

All: 0.000+/-0.000 χ^2/NDF: 10701470.4/90

- sign 0.000+/-0.000 χ^2/NDF: 5364049.7/46

asym_atl1r2_dd_atl2r1_dd_dd_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

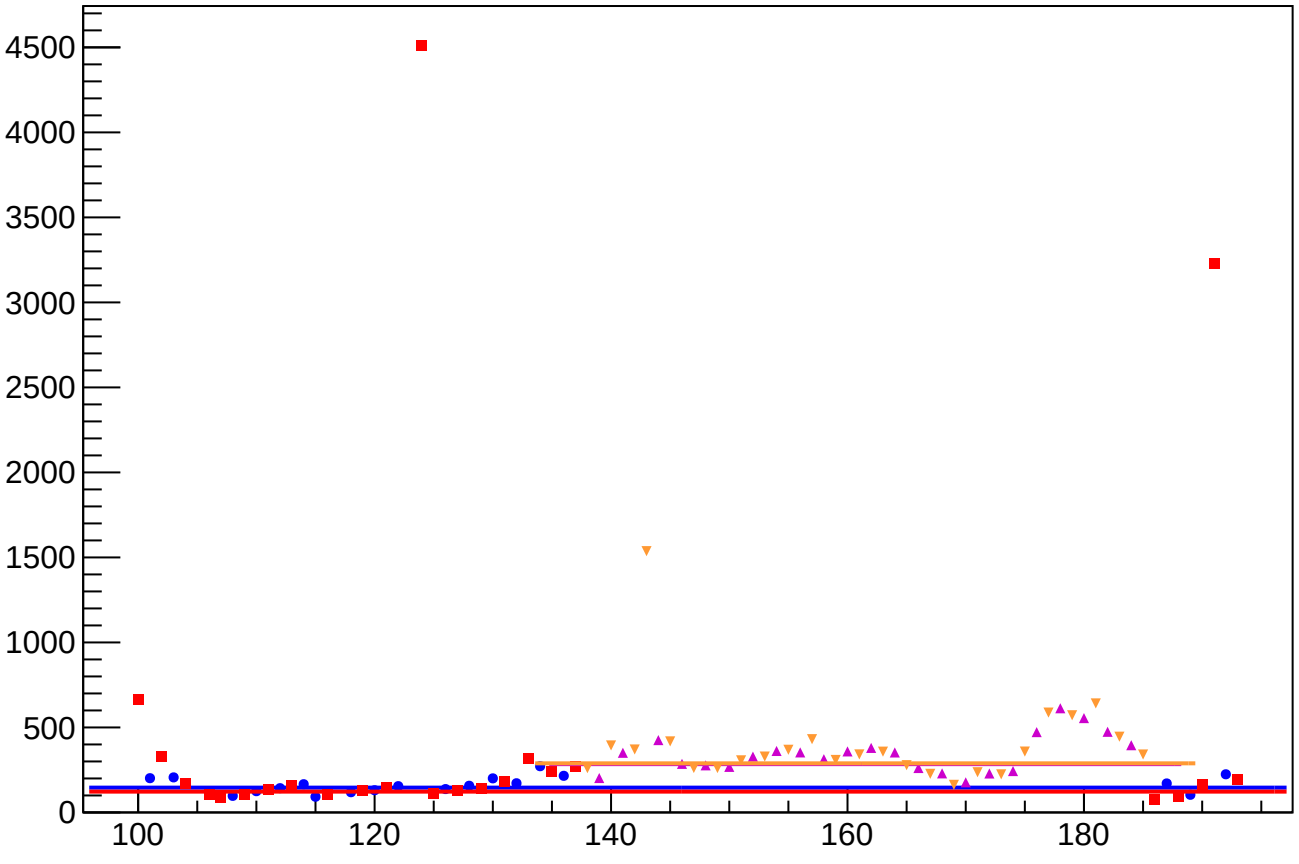
Right Out: 0.009+/-0.043 χ^2/NDF: 27.1/23

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

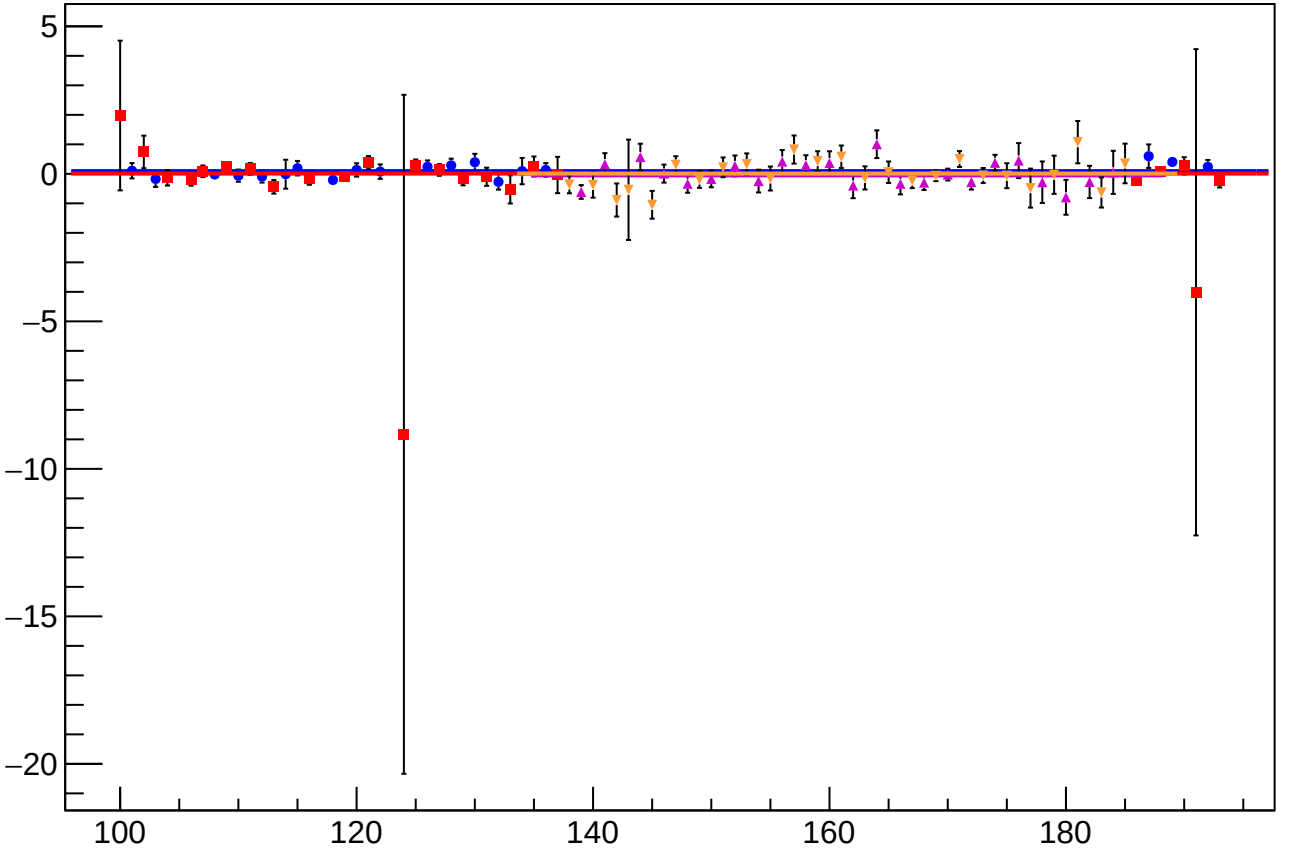
+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.023+/-0.028 χ^2/NDF: 103.7/90

- sign -0.008+/-0.037 χ^2/NDF: 55.4/46


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: 122.561+/-0.031 χ²/NDF: 2694127.9/23
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 196.023+/-0.030 χ²/NDF: 11298805.5/43
All: 179.757+/-0.020 χ²/NDF: 25232905.0/90
- sign 167.151+/-0.026 χ²/NDF: 13401881.0/46

asym_atl1r2_dd_atl2r1_dd_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

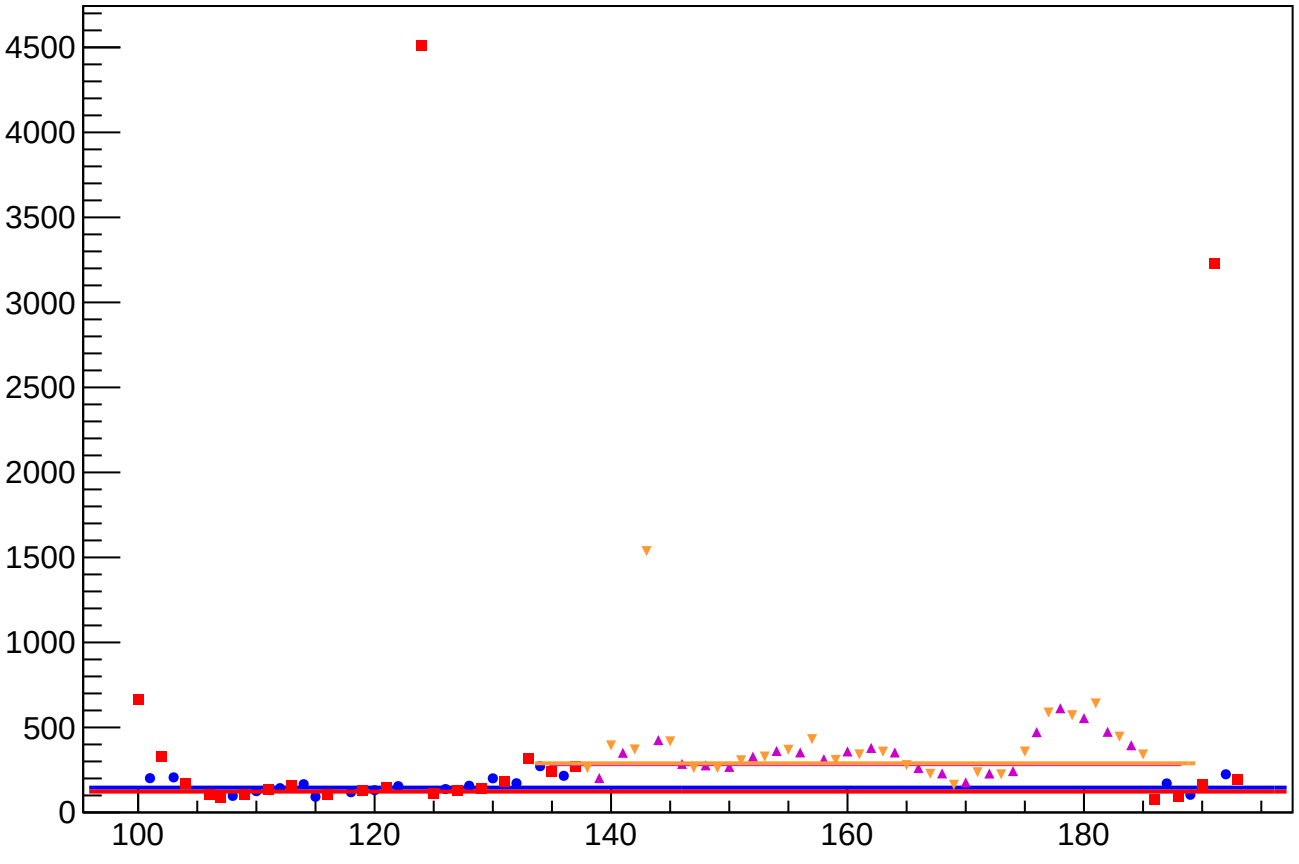
Right Out: 0.009+/-0.043 χ^2/NDF: 27.1/23

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.023+/-0.028 χ^2/NDF: 103.7/90

- sign -0.008+/-0.037 χ^2/NDF: 55.4/46



Right In: 146.020+/-0.037 χ^2/NDF: 1386367.2/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

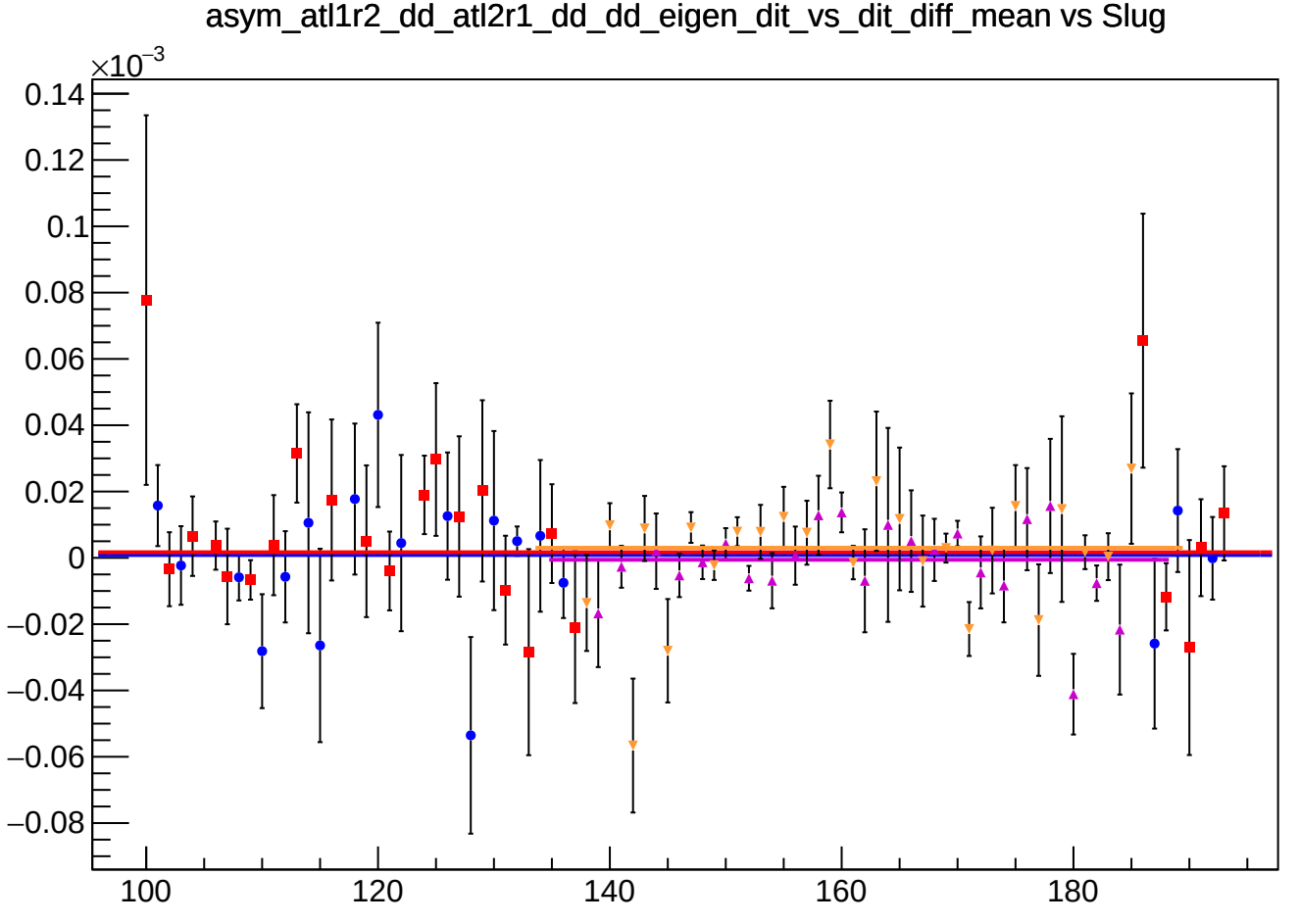
Right Out: 122.561+/-0.031 χ^2/NDF: 2694127.9/23

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.023+/-0.030 χ^2/NDF: 11298805.5/43

All: 179.757+/-0.020 χ^2/NDF: 25232905.0/90

- sign 167.151+/-0.026 χ^2/NDF: 13401881.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

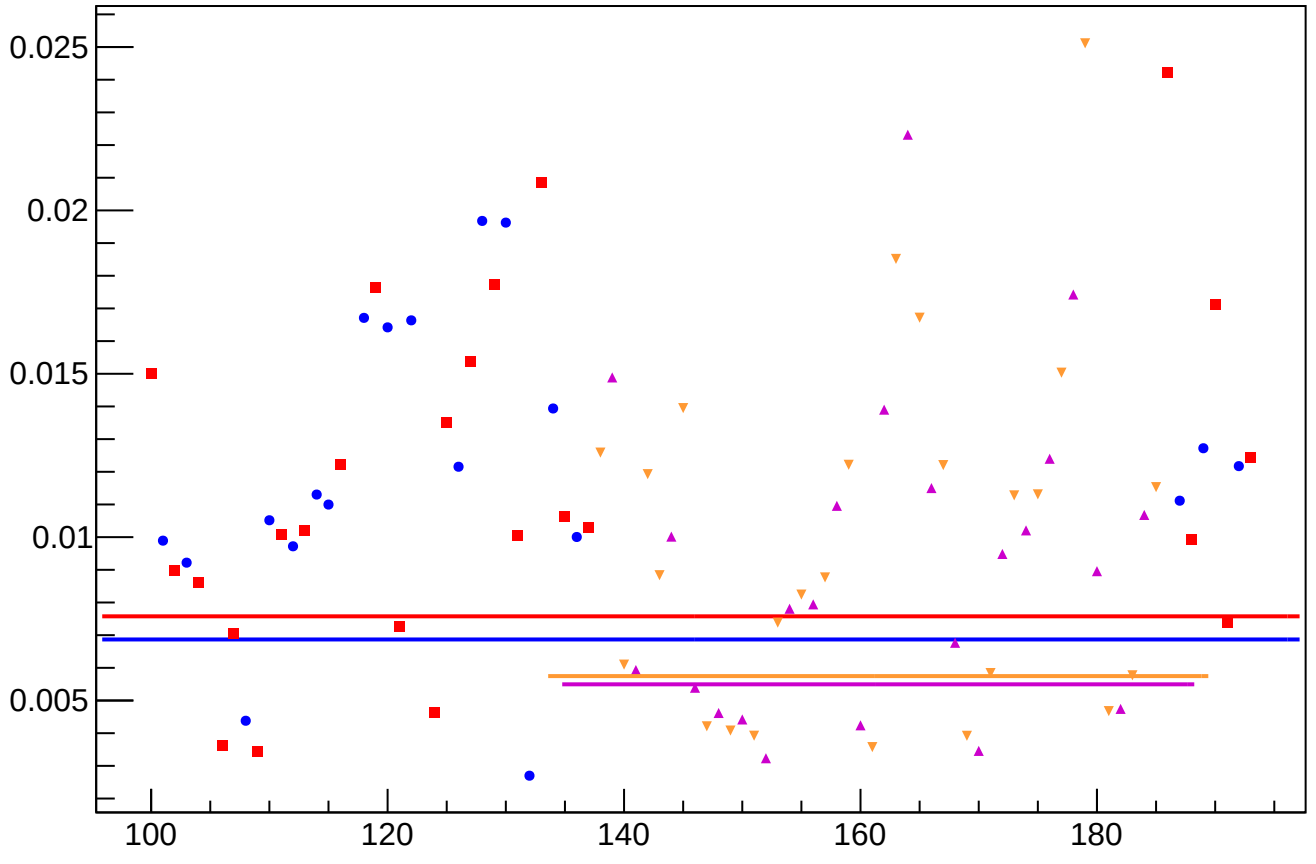
Right Out: 0.000+/-0.000 χ^2/NDF: 22.1/23

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: 116.8/90

- sign -0.000+/-0.000 χ^2/NDF: 55.8/46



Right In: 0.007+/-0.000 χ^2/NDF: 5313715.3/18

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4383256.6/23

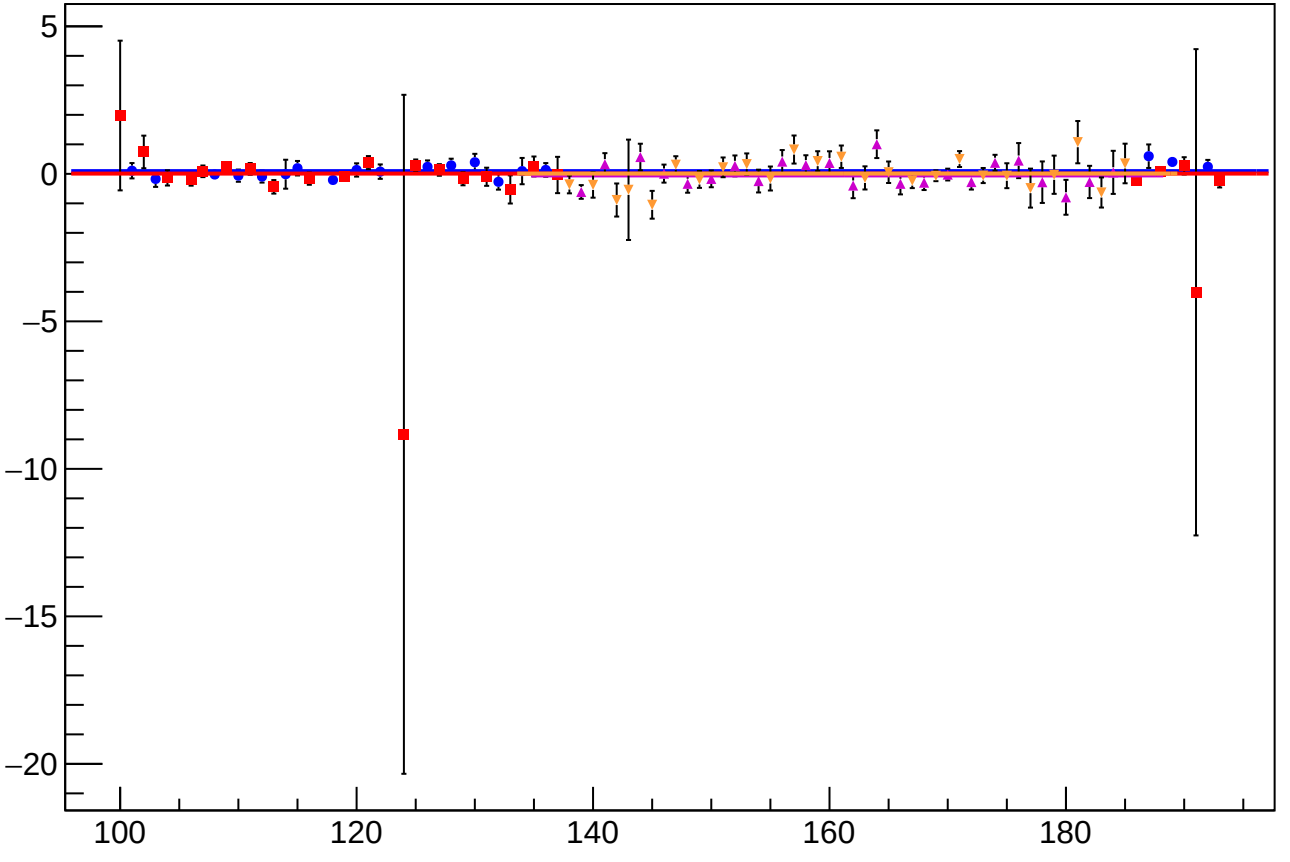
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 13689818.3/43

All: 0.006+/-0.000 χ^2/NDF: 25883110.9/90

\- sign 0.006+/-0.000 χ^2/NDF: 12192925.1/46

asym_atl1r2_dd_atl2r1_dd_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

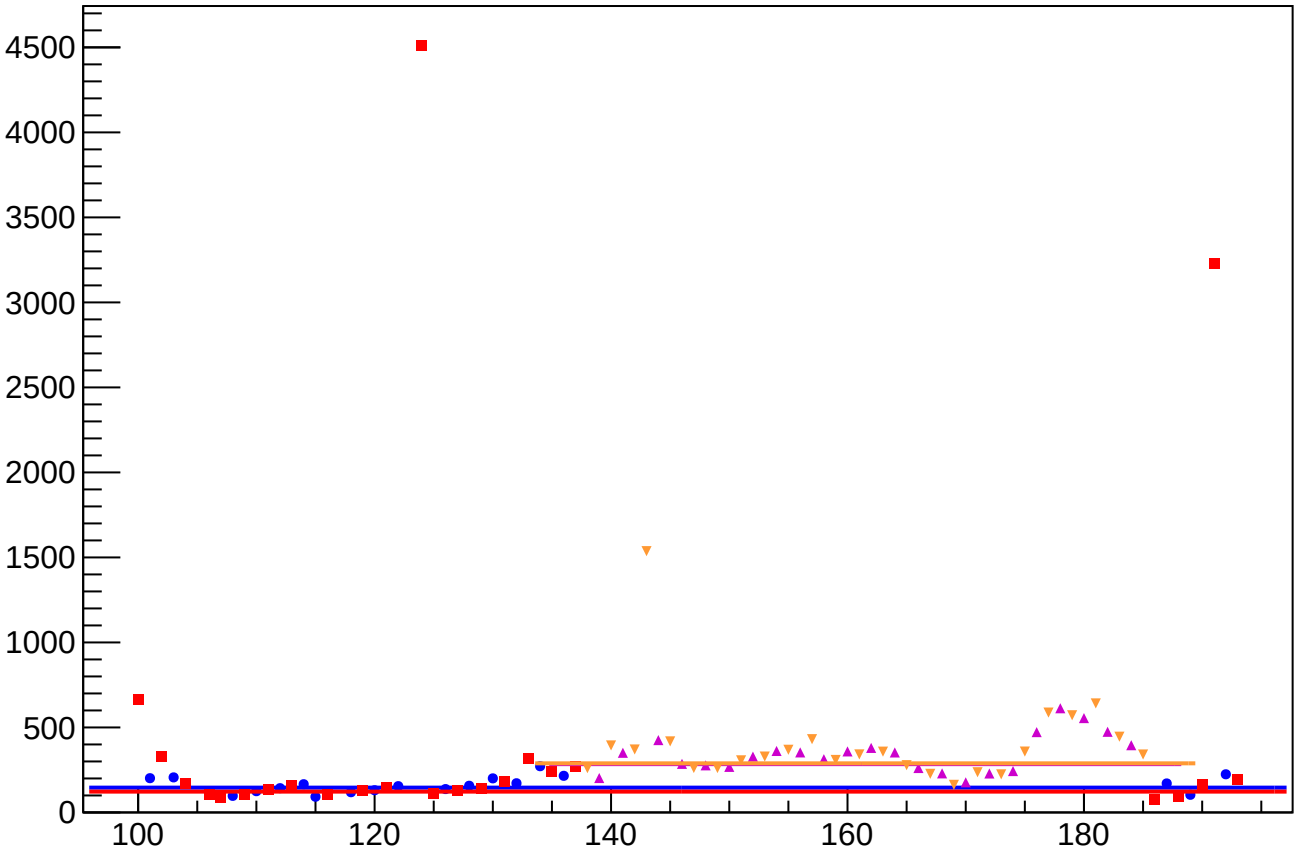
Right Out: 0.009+/-0.043 χ^2/NDF: 27.0/23

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.023+/-0.028 χ^2/NDF: 103.7/90

- sign -0.008+/-0.037 χ^2/NDF: 55.4/46



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: 122.562+/-0.031 χ^2/NDF: 2693971.3/23

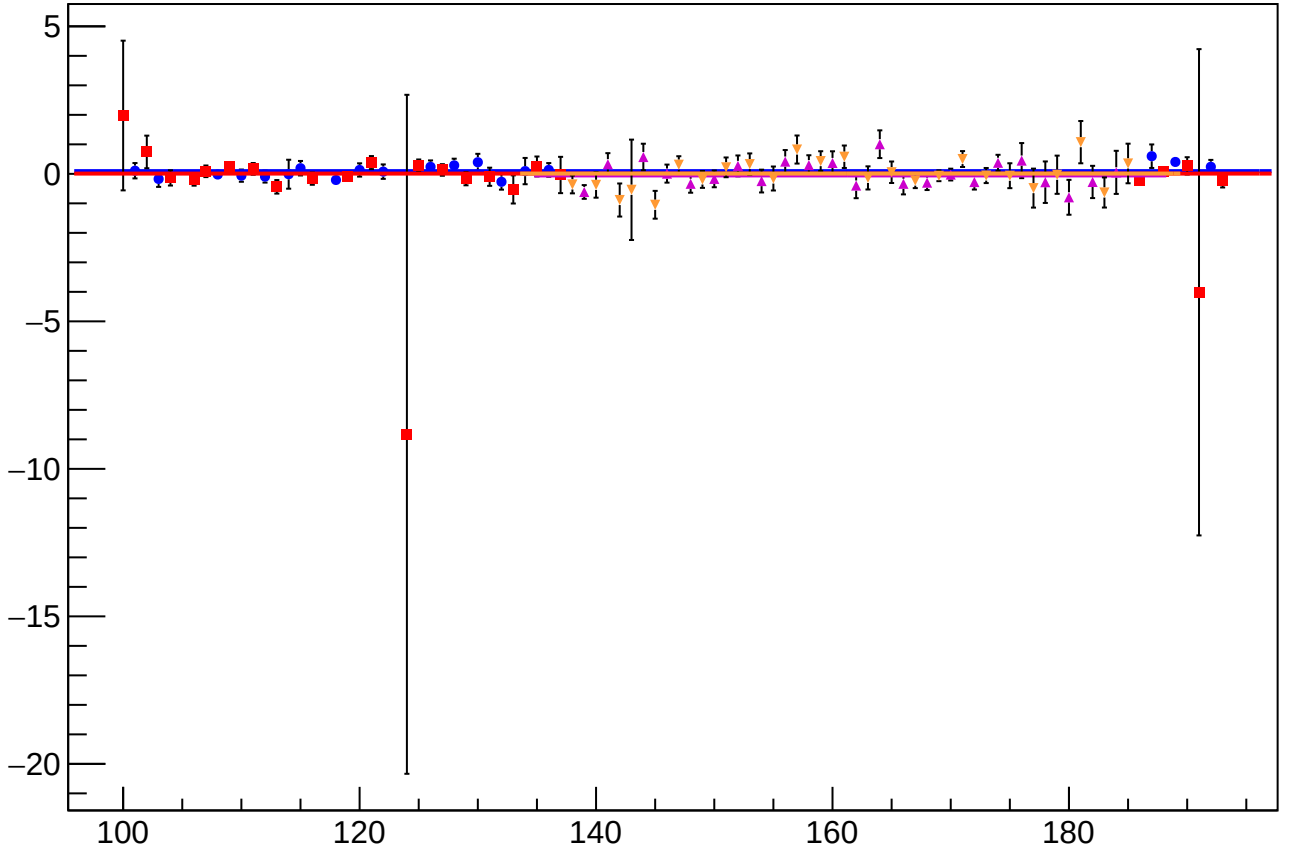
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.022+/-0.030 χ^2/NDF: 11299012.6/43

All: 179.758+/-0.020 χ^2/NDF: 25232830.5/90

- sign 167.153+/-0.026 χ^2/NDF: 13401698.7/46

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

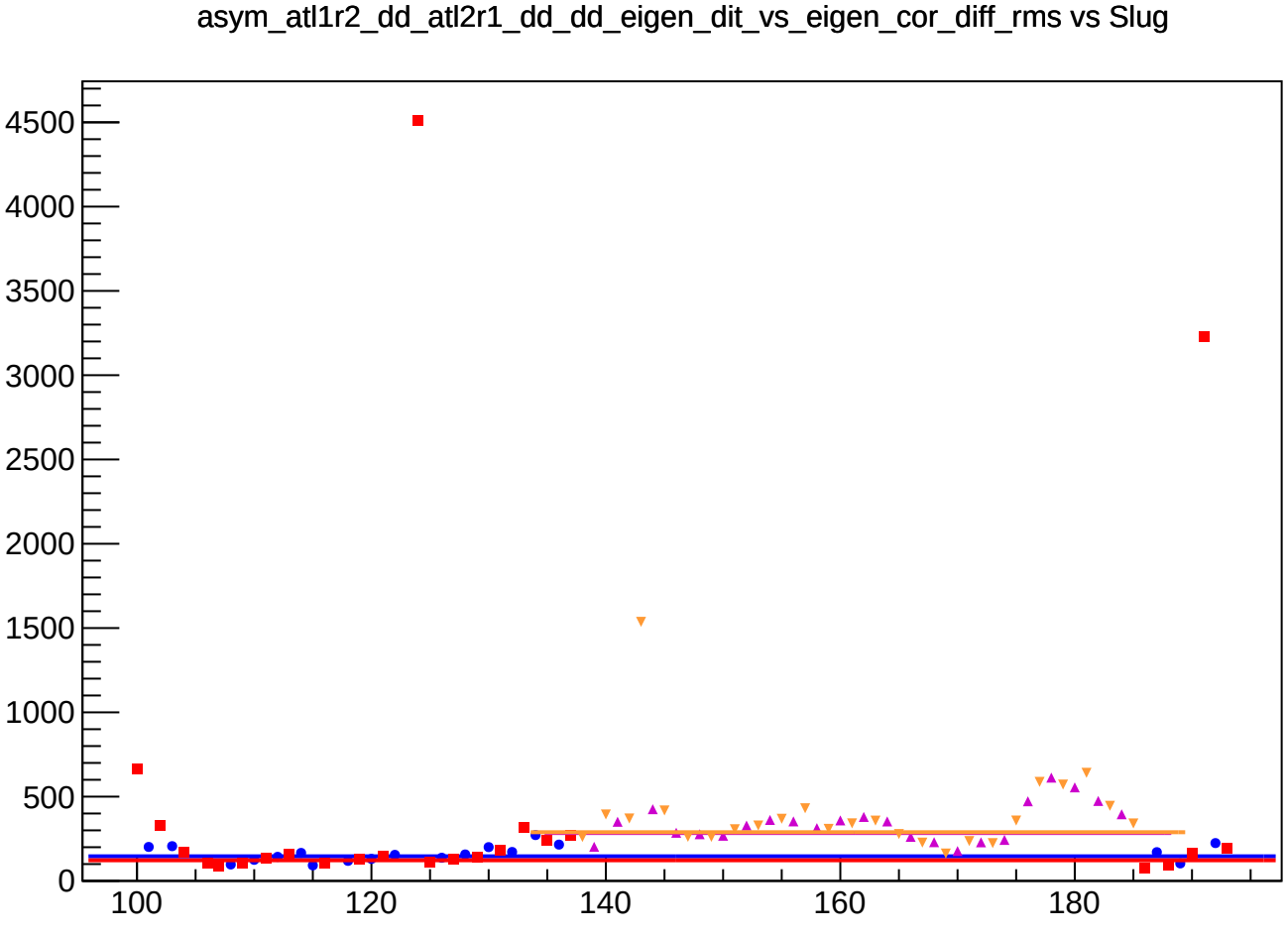
Right Out: 0.009+/-0.043 χ^2/NDF: 27.0/23

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.023+/-0.028 χ^2/NDF: 103.7/90

- sign -0.008+/-0.037 χ^2/NDF: 55.4/46



Right In: 146.020+/-0.037 χ^2/NDF: 1386330.7/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

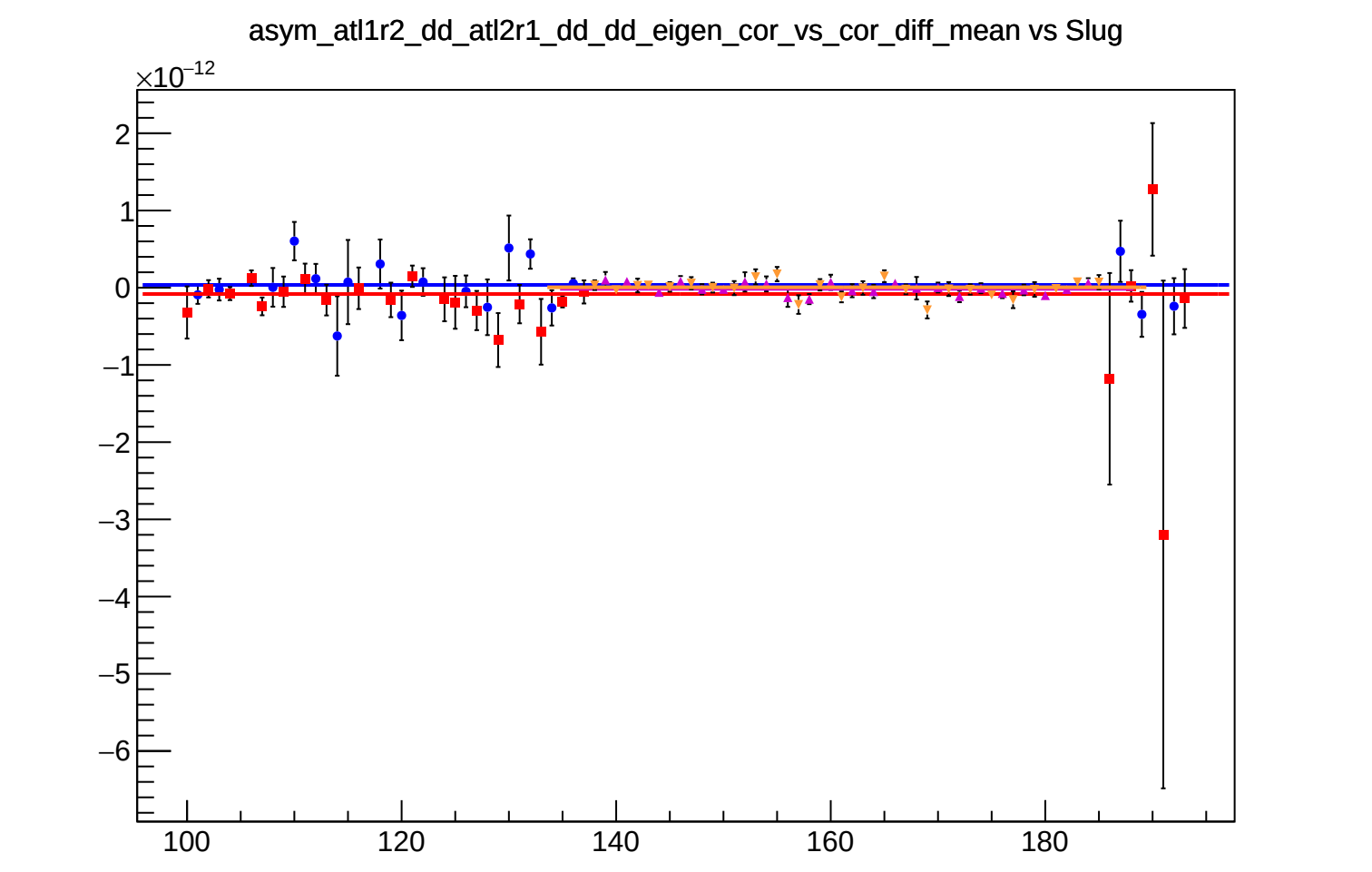
Right Out: 122.562+/-0.031 χ^2/NDF: 2693971.3/23

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.022+/-0.030 χ^2/NDF: 11299012.6/43

All: 179.758+/-0.020 χ^2/NDF: 25232830.5/90

- sign 167.153+/-0.026 χ^2/NDF: 13401698.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

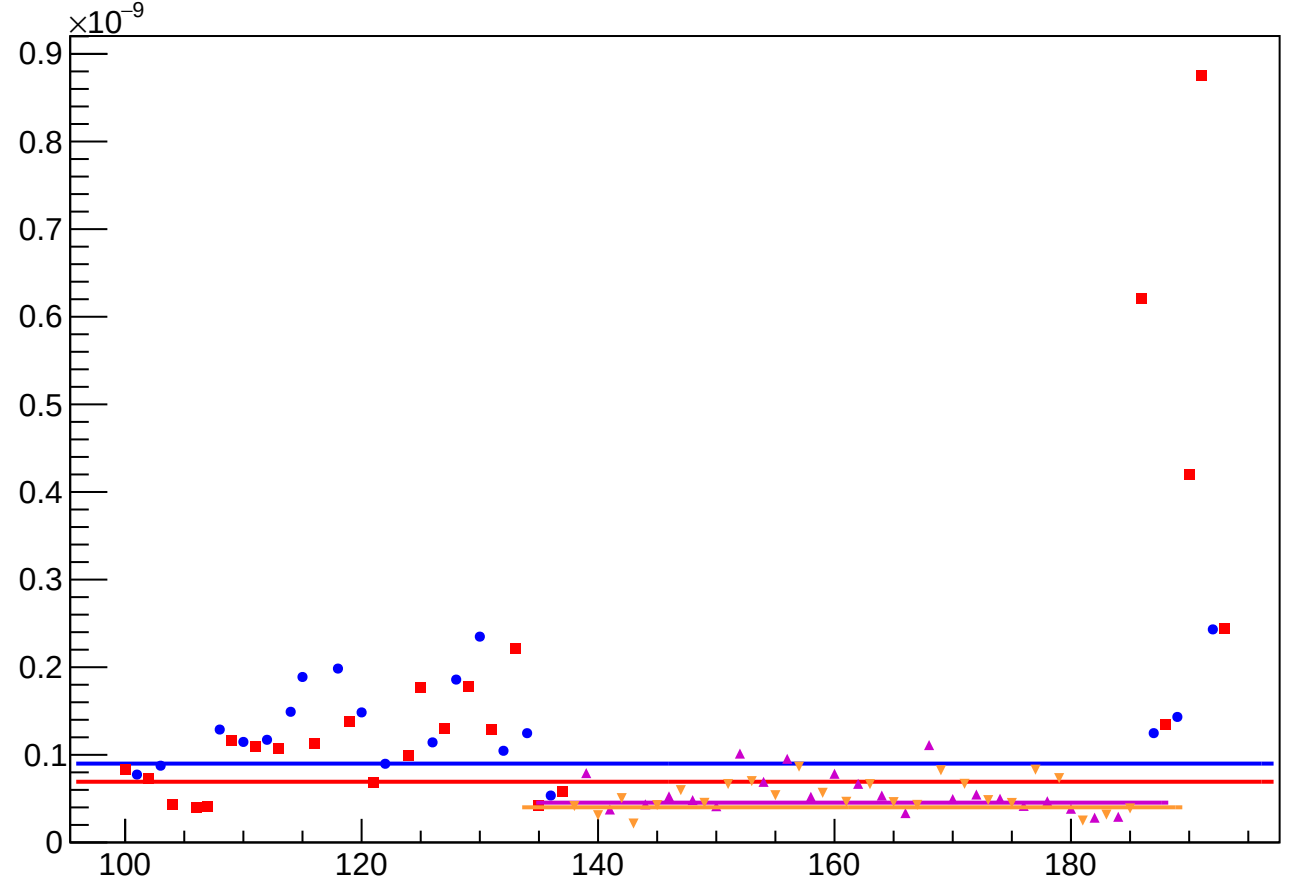
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/23

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: 109.8/90

- sign -0.000+/-0.000 χ^2/NDF: 49.2/46



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: 3592476.4/23

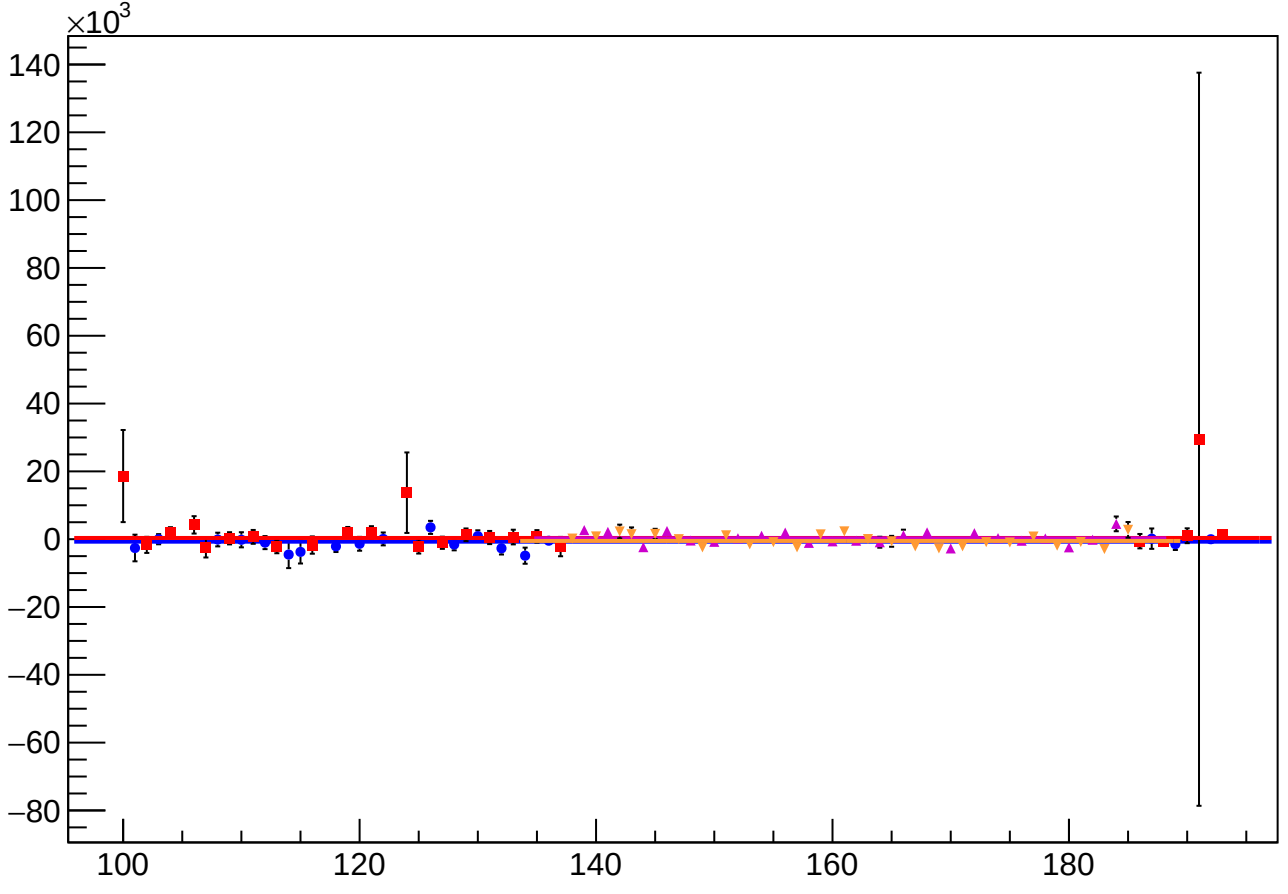
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8254510.5/43

All: 0.000+/-0.000 χ^2/NDF: 15644170.4/90

- sign 0.000+/-0.000 χ^2/NDF: 7239479.9/46

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: 360.661+/-420.095 χ^2/NDF: 17.0/23

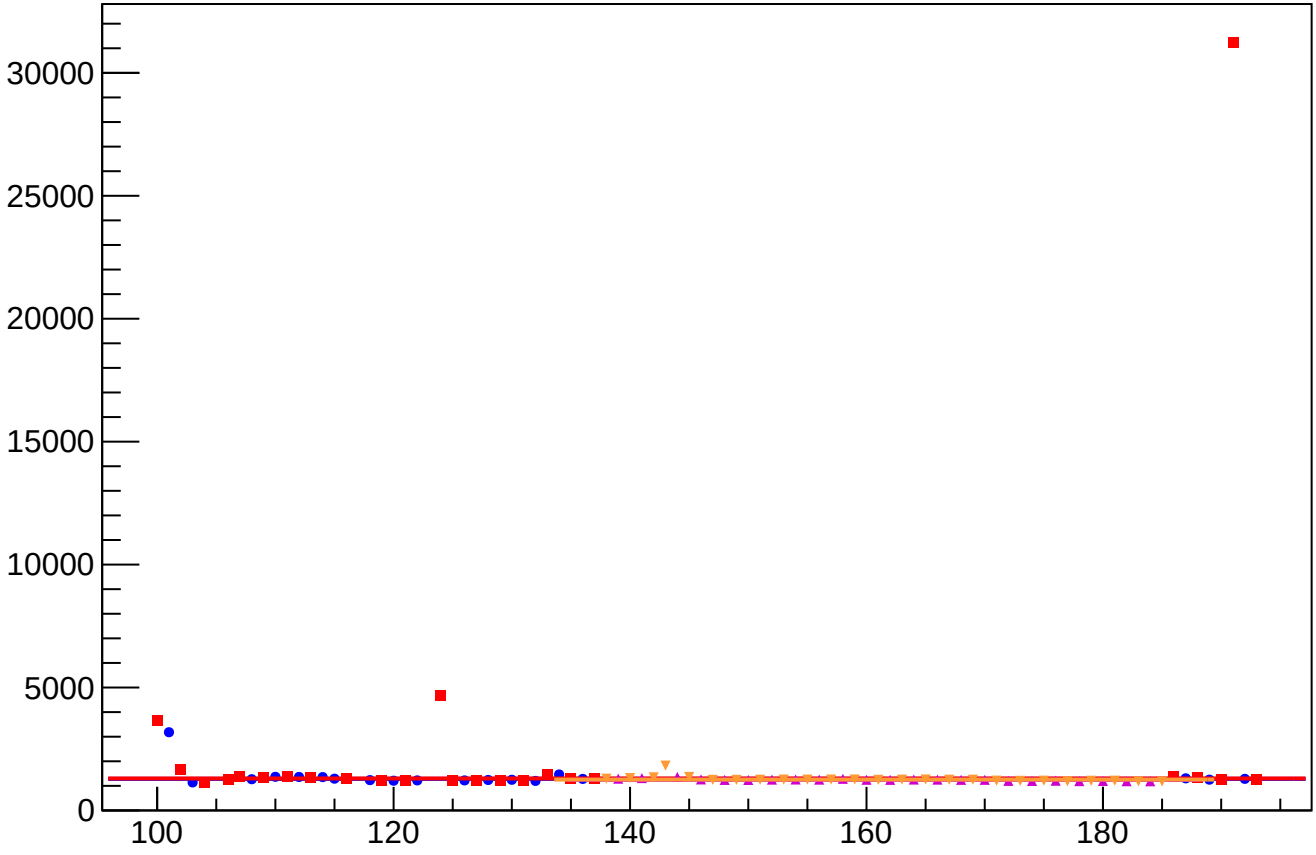
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -579.773+/-239.212 χ^2/NDF: 45.1/43

All: -149.571+/-169.182 χ^2/NDF: 100.7/90

- sign 280.969+/-239.306 χ^2/NDF: 49.1/46

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

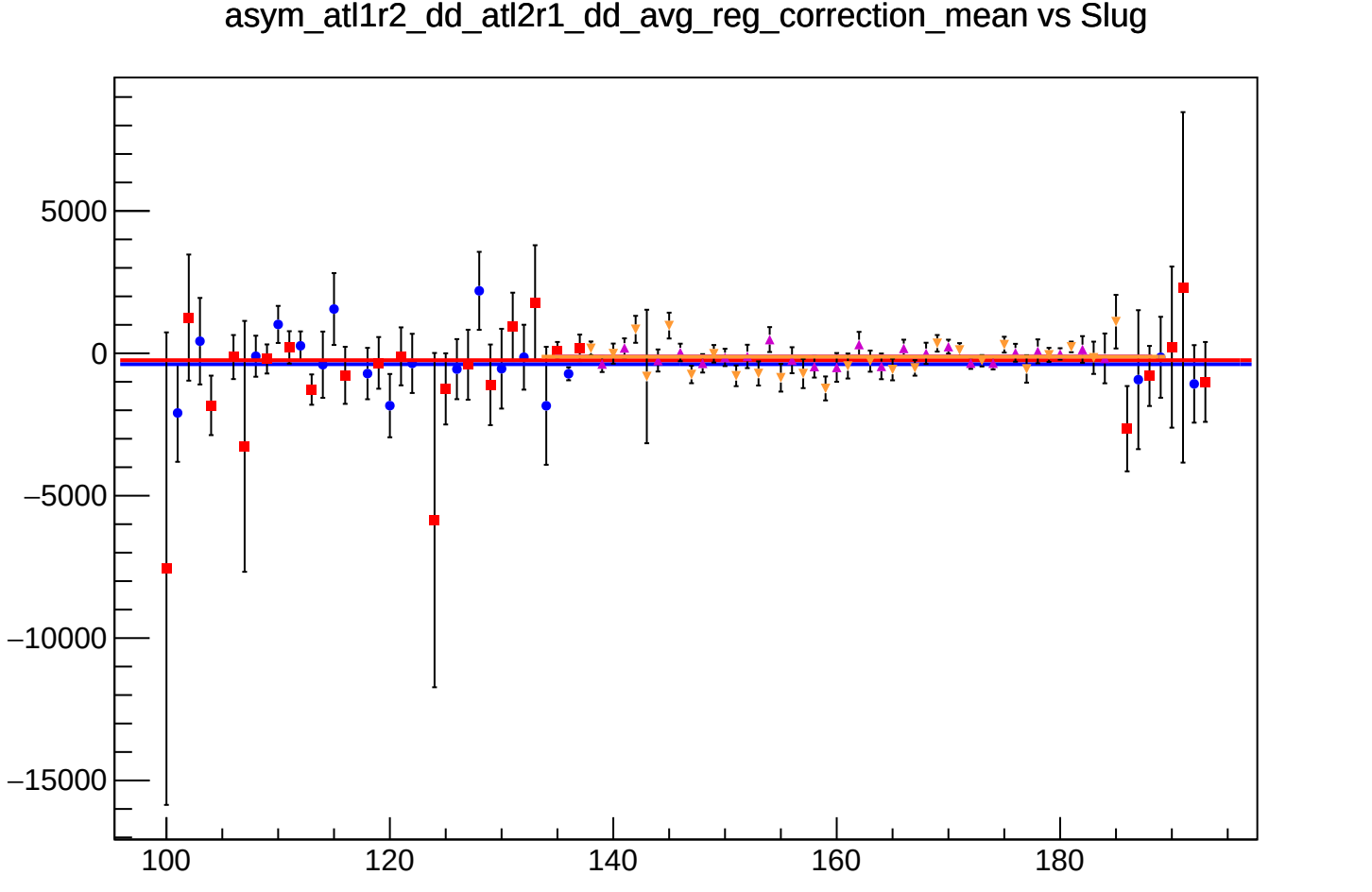
Right Out: 1300.885+/-0.297 χ^2/NDF: 488897.4/23

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.150+/-0.169 χ^2/NDF: 728154.0/43

All: 1264.100+/-0.120 χ^2/NDF: 1279672.2/90

- sign 1264.050+/-0.169 χ^2/NDF: 551518.0/46



Right In: -382.062+/-165.413 χ^2/NDF: 18.5/18

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

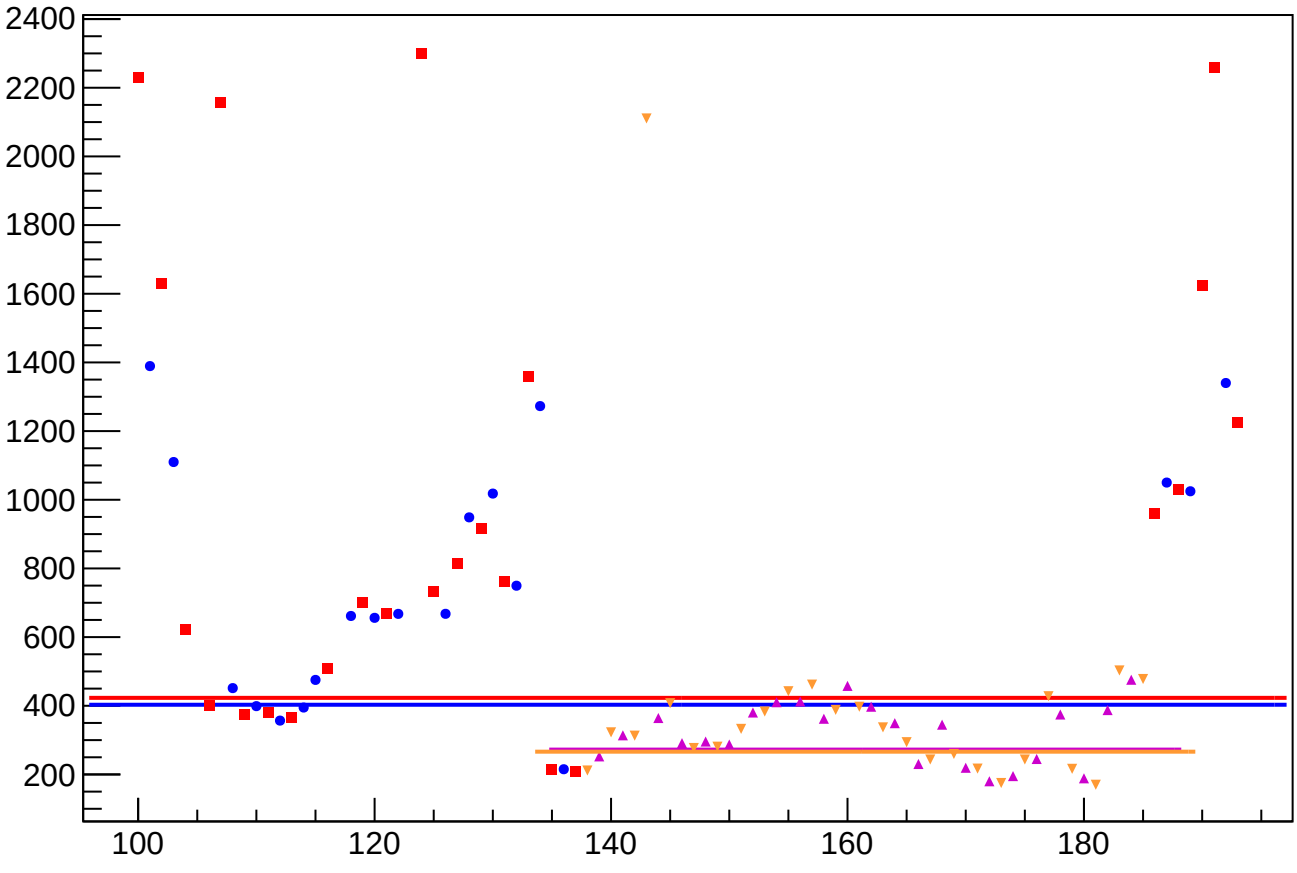
Right Out: -241.642+/-164.891 χ^2/NDF: 18.1/23

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -152.535+/-60.544 χ^2/NDF: 69.2/43

All: -139.780+/-43.341 χ^2/NDF: 101.6/90

\- sign -126.373+/-62.072 χ^2/NDF: 32.4/46



Right In: 402.985+/-0.117 χ^2/NDF: 5709668.1/18

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

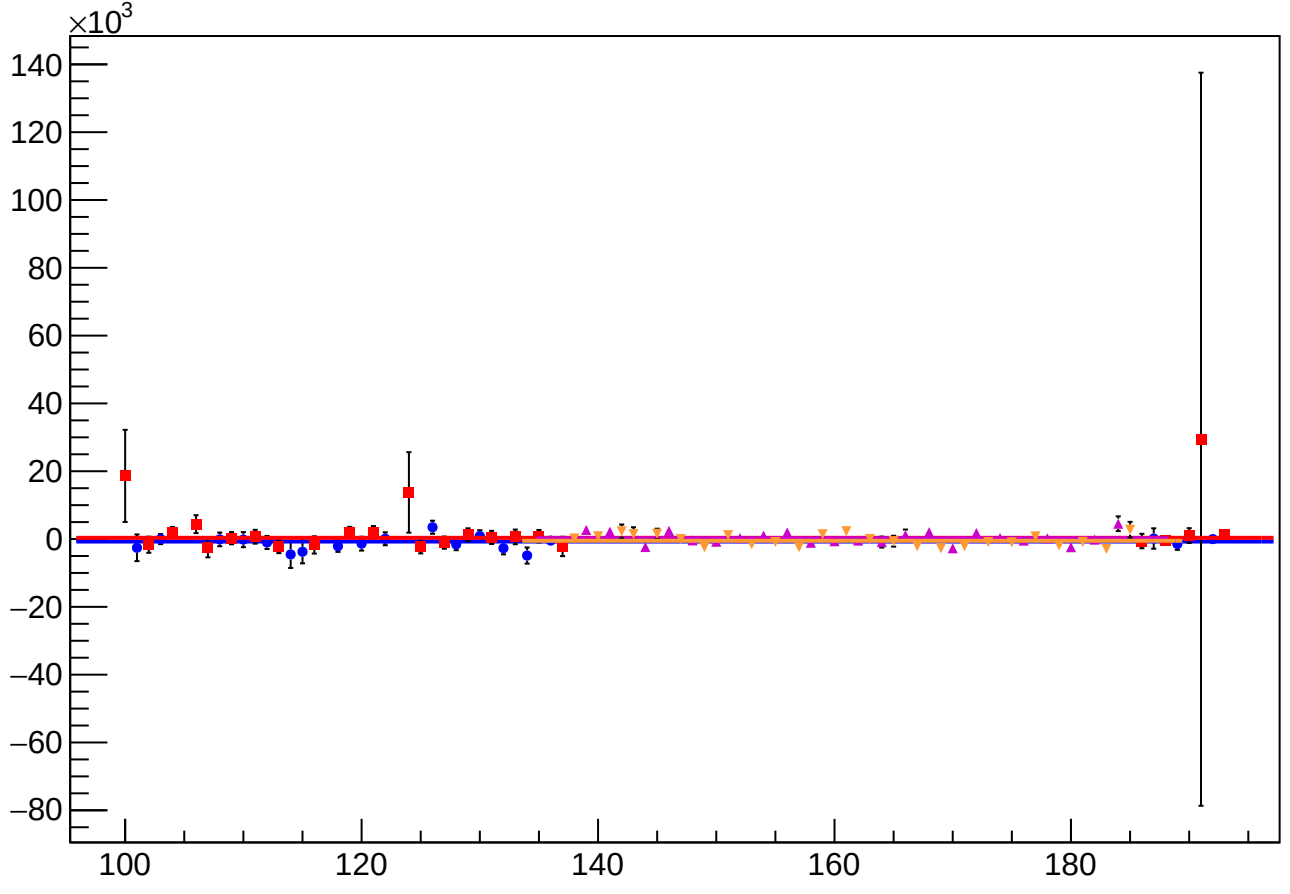
Right Out: 423.088+/-0.117 χ^2/NDF: 6278644.2/23

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 284.630+/-0.043 χ^2/NDF: 11522110.0/43

All: 289.065+/-0.031 χ^2/NDF: 22144812.6/90

- sign 293.727+/-0.044 χ^2/NDF: 10600689.3/46



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: 358.745+/-420.433 χ^2/NDF: 17.1/23

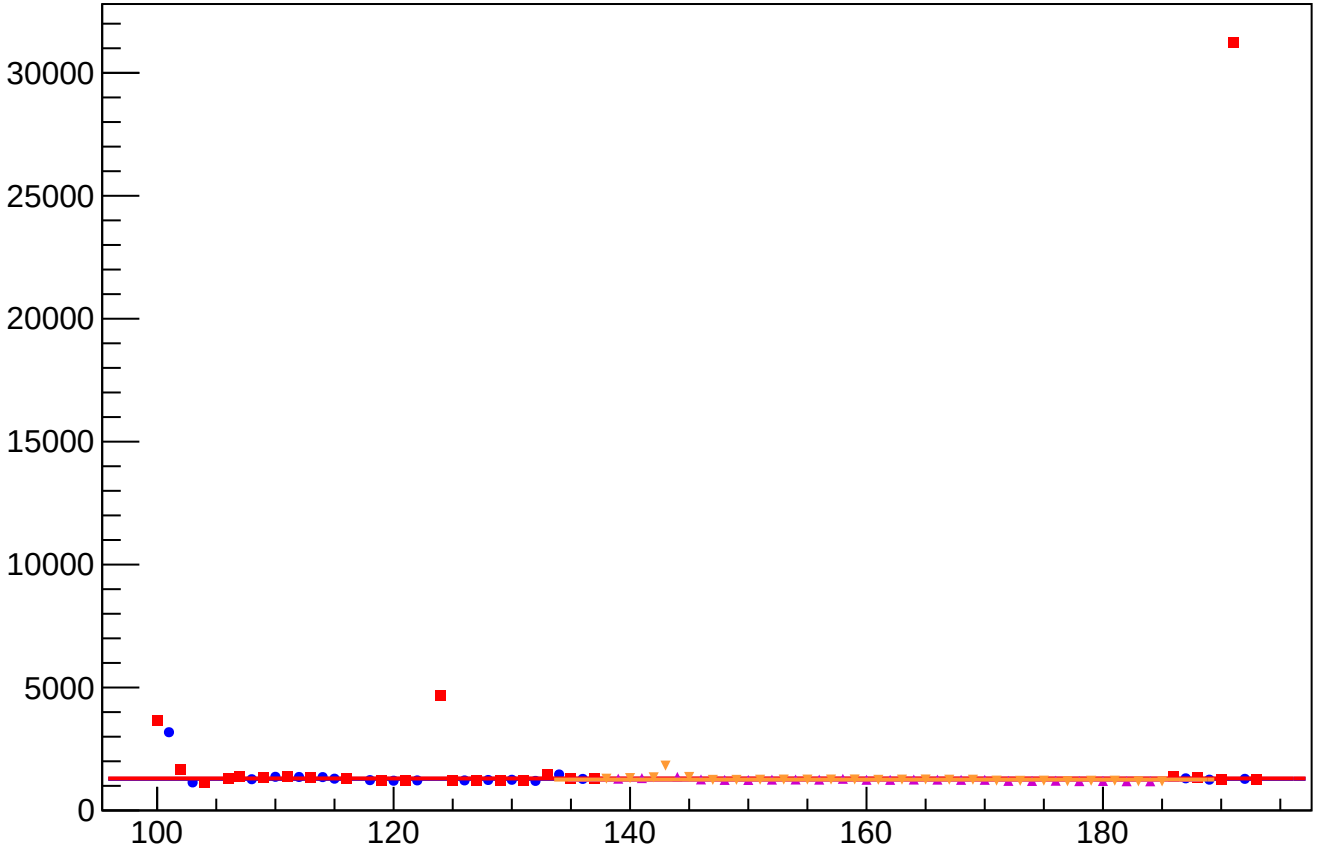
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -579.639+/-239.212 χ^2/NDF: 45.1/43

All: -149.955+/-169.204 χ^2/NDF: 100.7/90

- sign 280.290+/-239.369 χ^2/NDF: 49.2/46

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

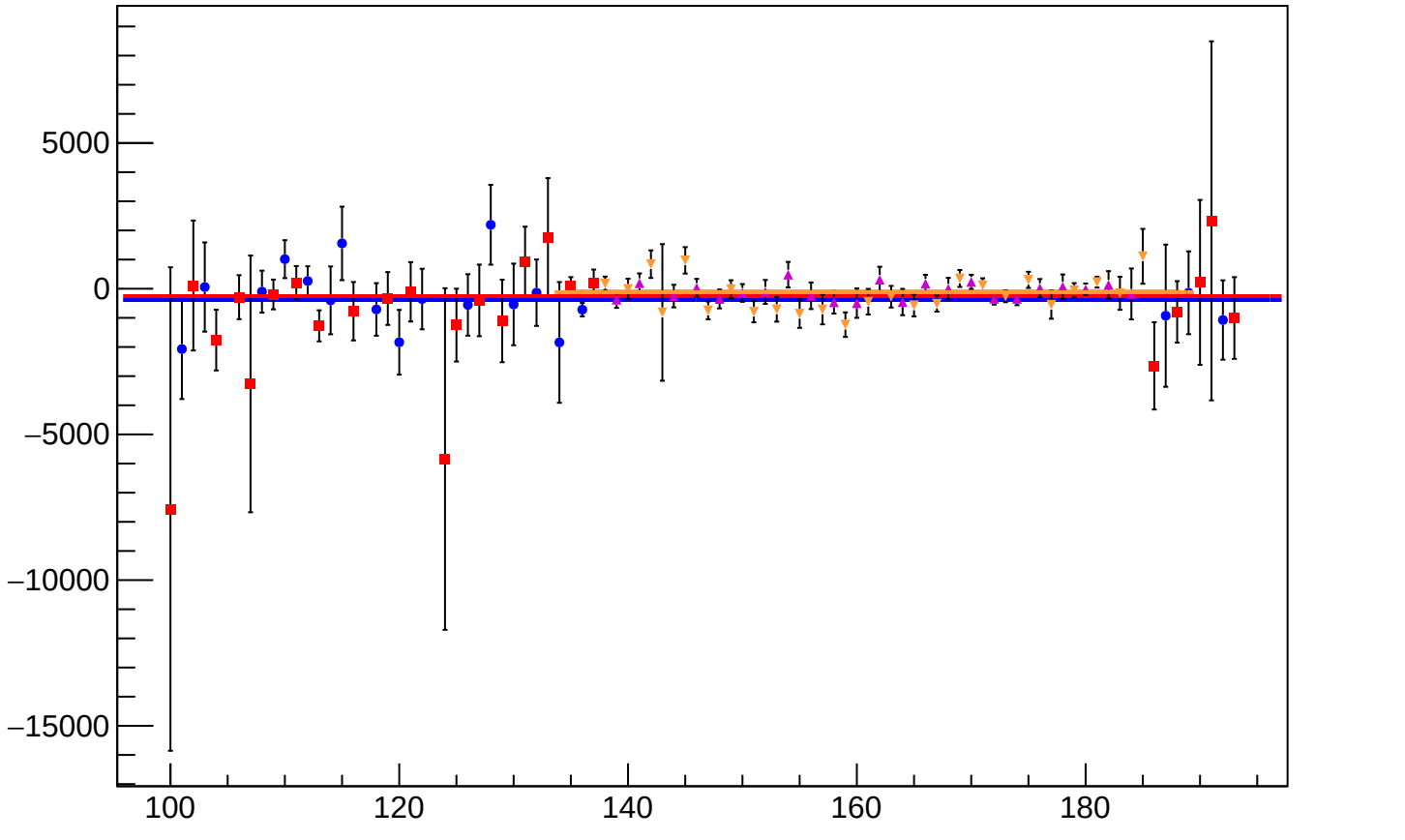
Right Out: 1301.977+/-0.297 χ^2/NDF: 488451.7/23

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.150+/-0.169 χ^2/NDF: 728155.3/43

All: 1264.267+/-0.120 χ^2/NDF: 1280124.1/90

- sign 1264.385+/-0.169 χ^2/NDF: 551967.8/46



Right In: -386.362+/-165.432 χ^2/NDF: 18.3/18

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

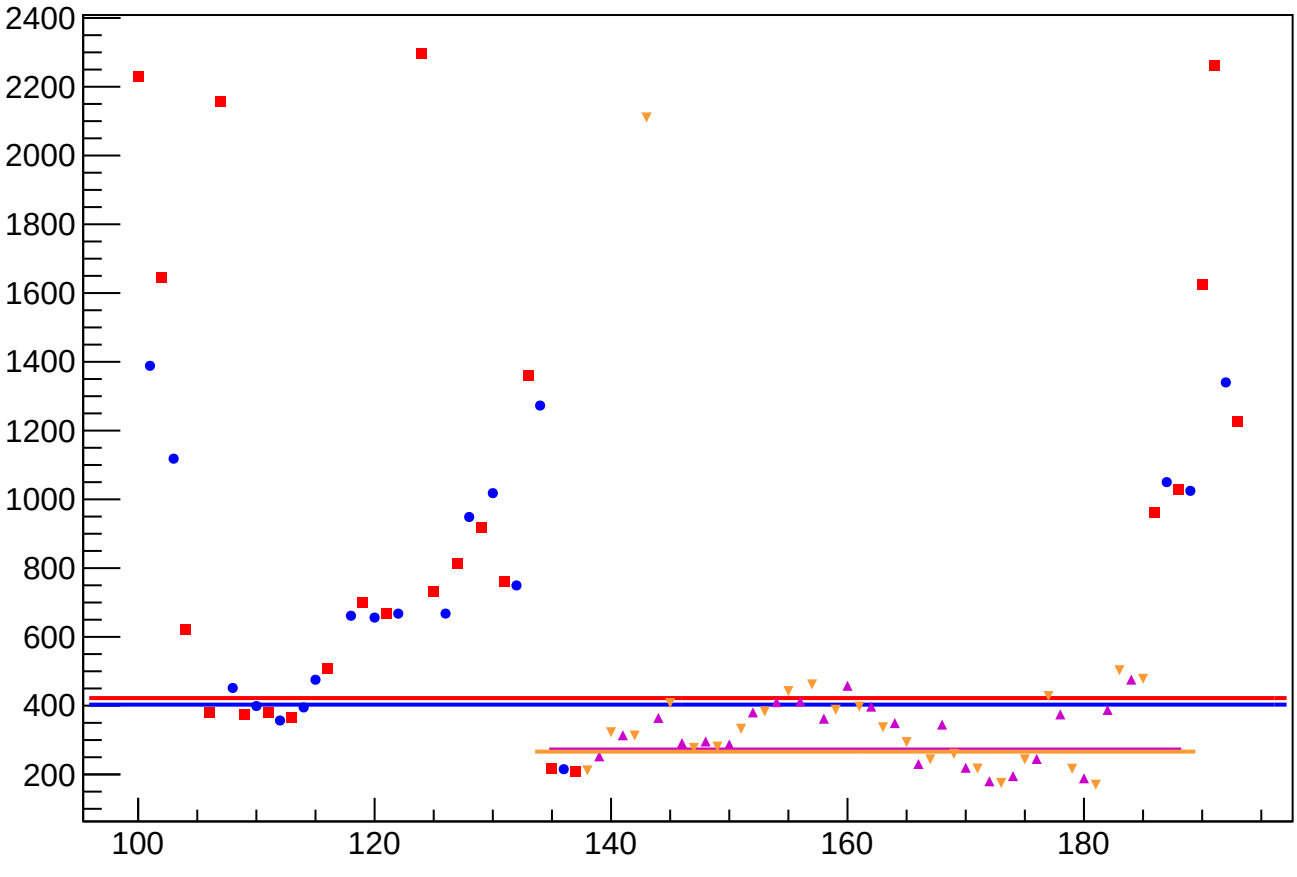
Right Out: -254.007+/-164.709 χ^2/NDF: 17.4/23

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -153.082+/-60.546 χ^2/NDF: 69.0/43

All: -140.982+/-43.339 χ^2/NDF: 101.0/90

- sign -128.267+/-62.064 χ^2/NDF: 31.9/46



Right In: 402.982+/-0.117 χ^2/NDF: 5712832.6/18

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

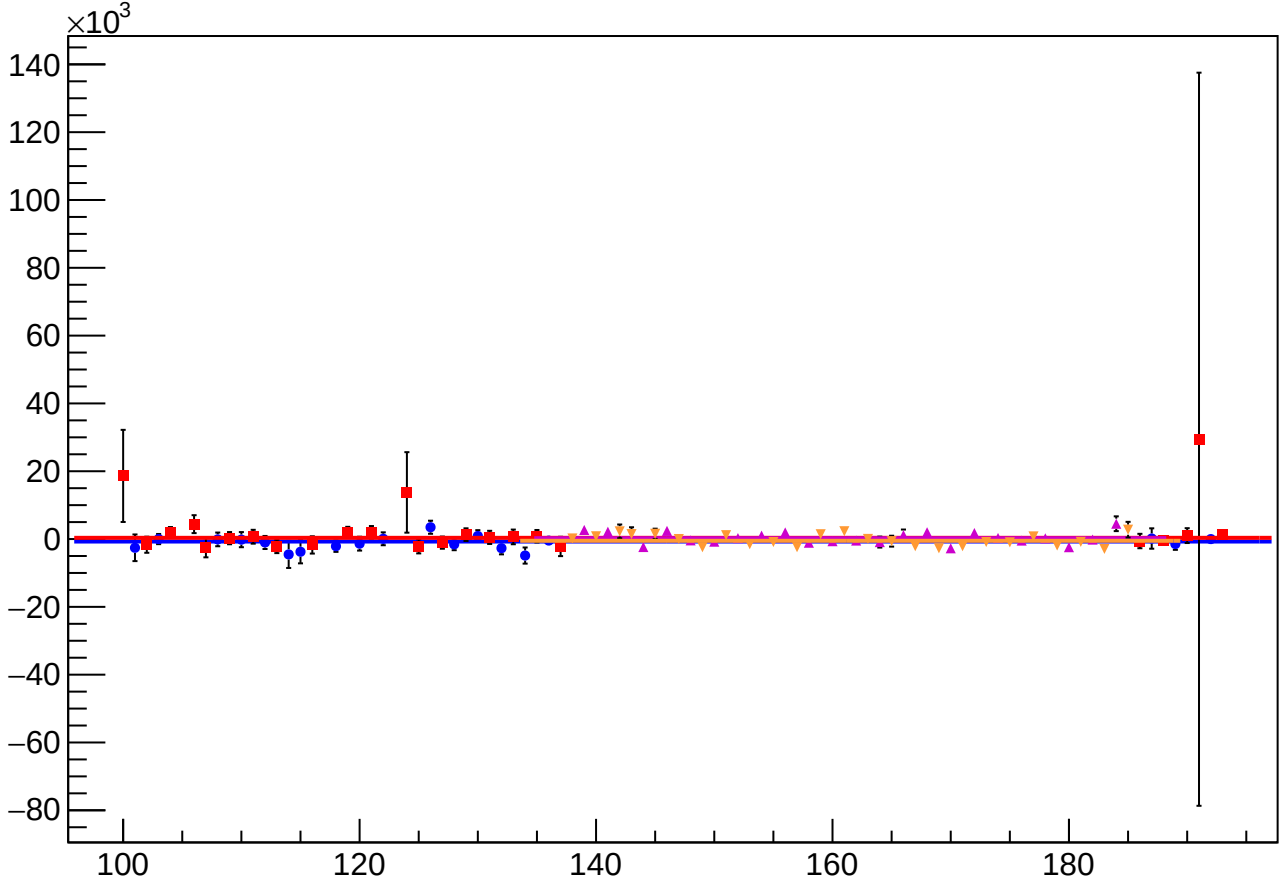
Right Out: 422.112+/-0.116 χ^2/NDF: 6289742.3/23

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 284.631+/-0.043 χ^2/NDF: 11524932.4/43

All: 289.023+/-0.031 χ^2/NDF: 22142044.8/90

- sign 293.638+/-0.044 χ^2/NDF: 10595531.9/46



Right In: -731.684+/-436.629 χ^2/NDF: 14.0/18

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

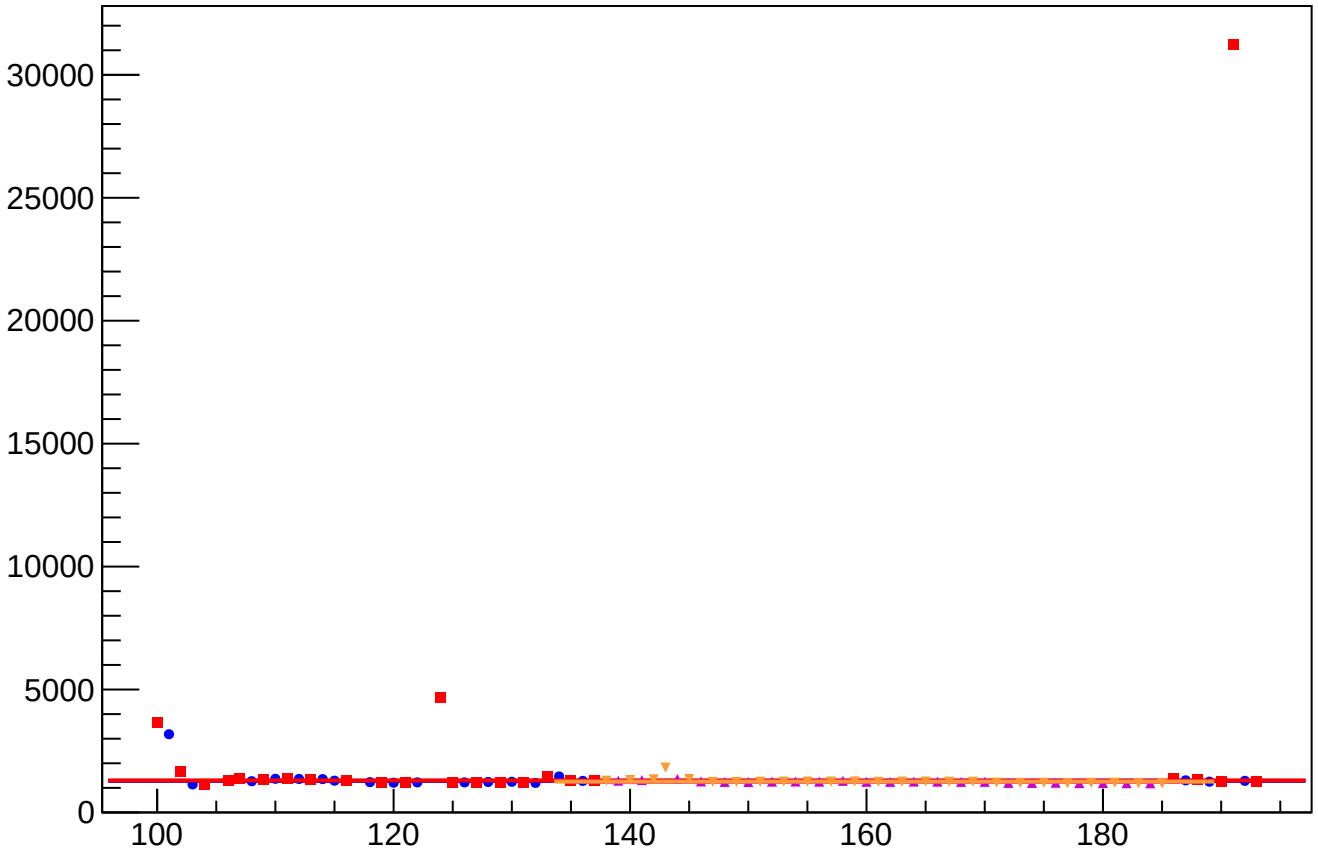
Right Out: 358.745+/-420.433 χ^2/NDF: 17.1/23

Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -579.639+/-239.212 χ^2/NDF: 45.1/43

All: -149.955+/-169.204 χ^2/NDF: 100.7/90

- sign 280.290+/-239.369 χ^2/NDF: 49.2/46



Right In: 1284.287+/-0.309 χ^2/NDF: 518952.8/18

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

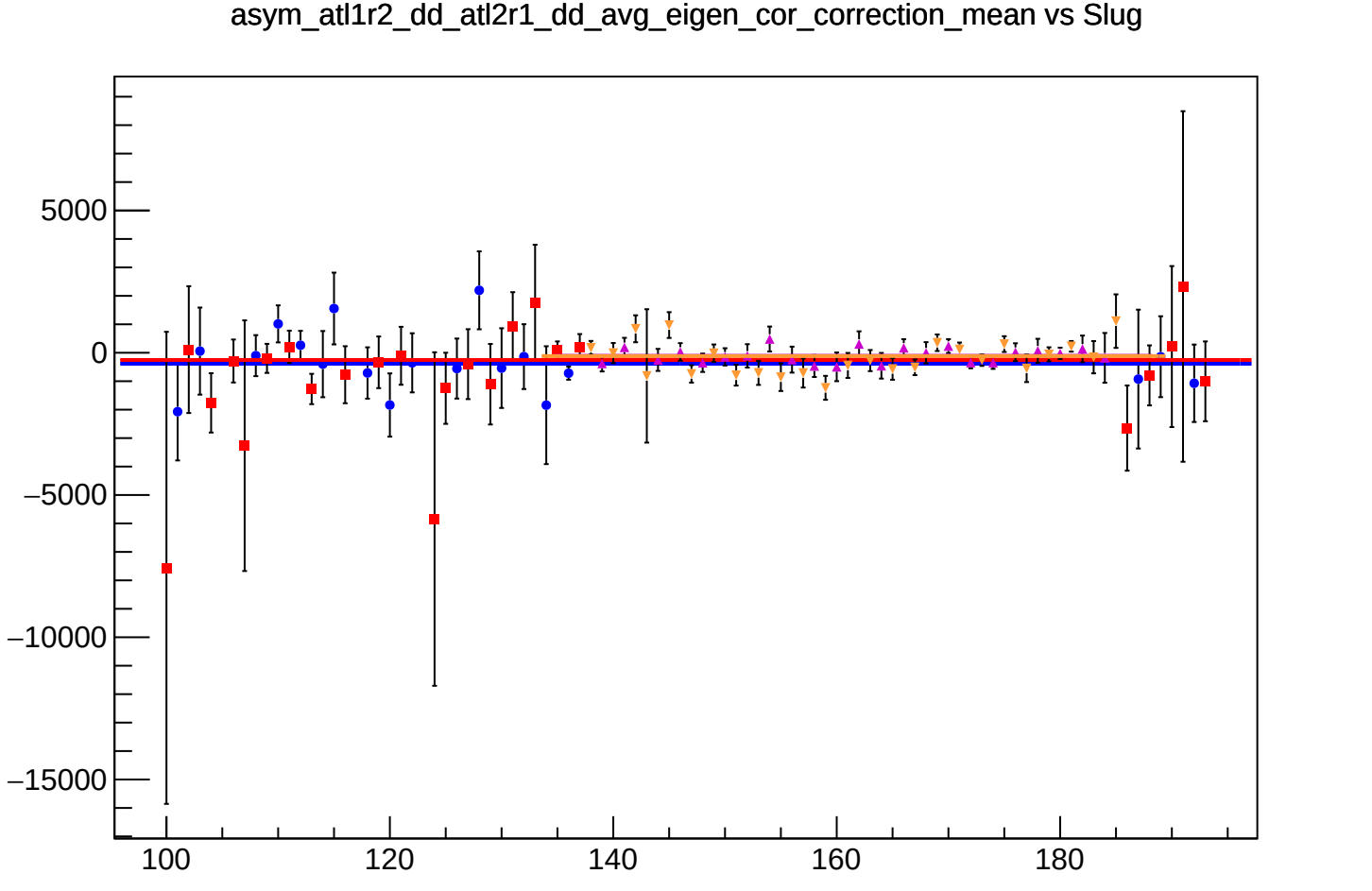
Right Out: 1301.977+/-0.297 χ^2/NDF: 488451.7/23

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.150+/-0.169 χ^2/NDF: 728155.3/43

All: 1264.267+/-0.120 χ^2/NDF: 1280124.1/90

- sign 1264.385+/-0.169 χ^2/NDF: 551967.8/46



Right In: -386.362+/-165.432 χ^2/NDF: 18.3/18

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

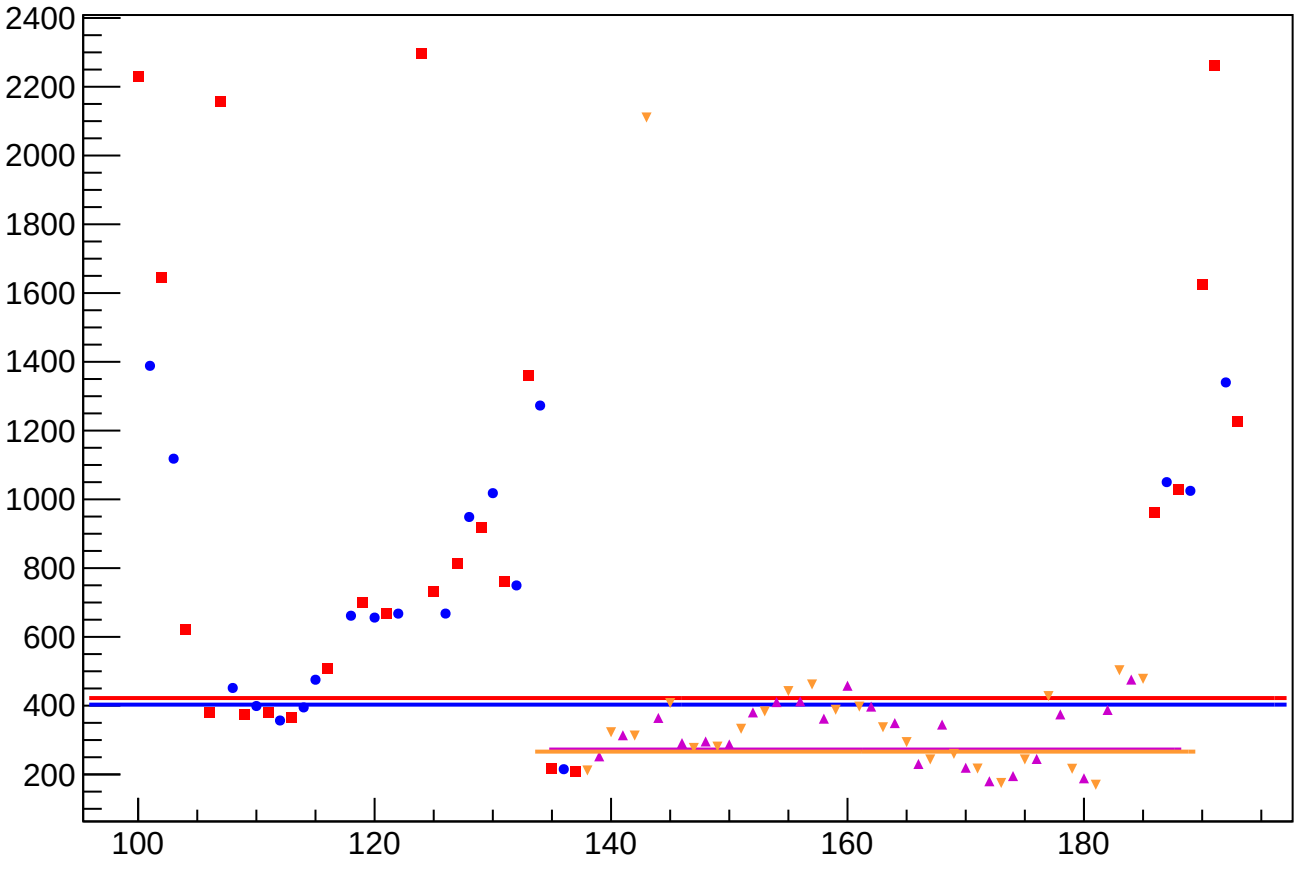
Right Out: -254.007+/-164.709 χ^2/NDF: 17.4/23

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -153.082+/-60.546 χ^2/NDF: 69.0/43

All: -140.982+/-43.339 χ^2/NDF: 101.0/90

- sign -128.267+/-62.064 χ^2/NDF: 31.9/46



Right In: 402.982+/-0.117 χ^2/NDF: 5712832.6/18

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

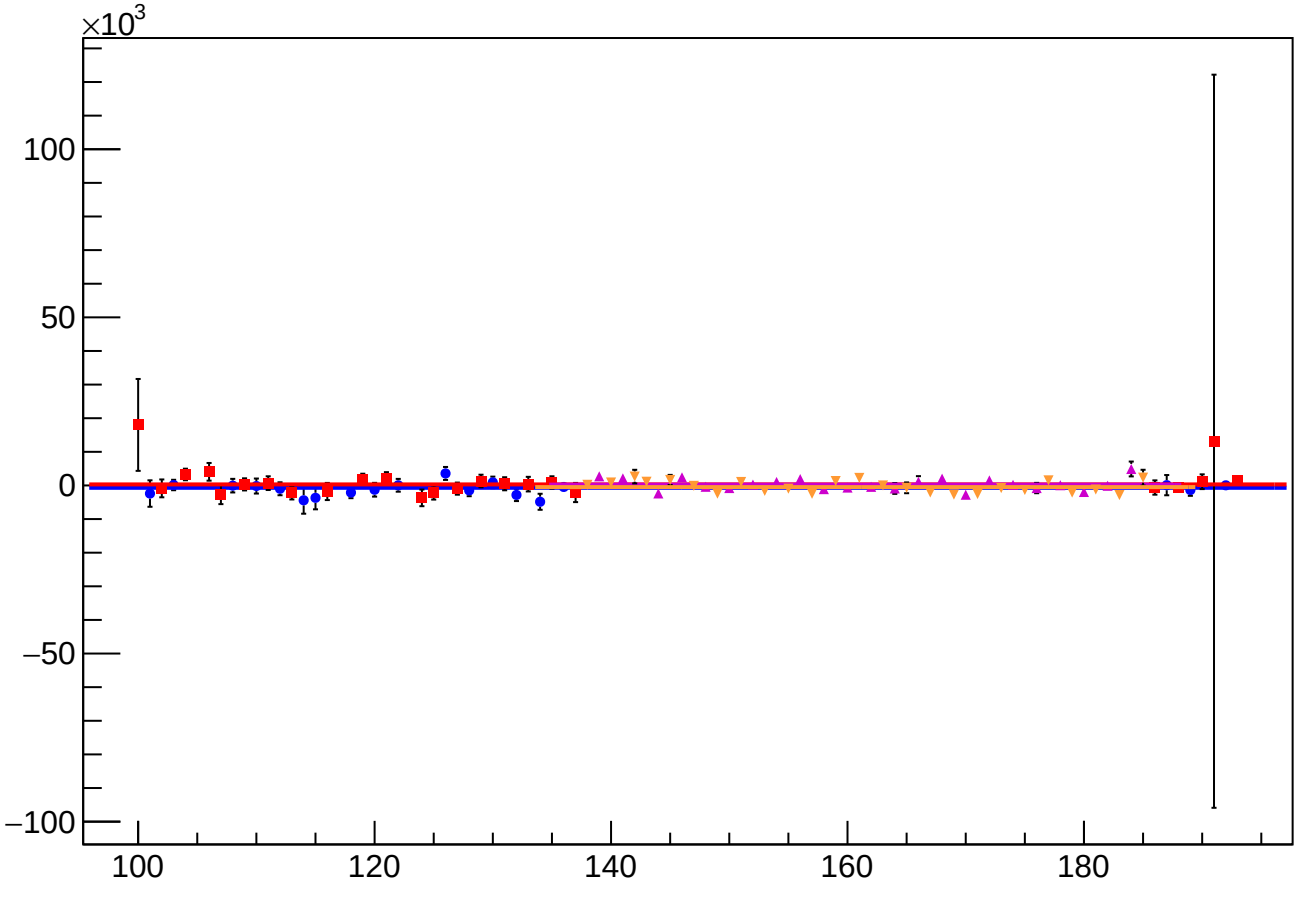
Right Out: 422.112+/-0.116 χ^2/NDF: 6289742.3/23

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 284.631+/-0.043 χ^2/NDF: 11524932.4/43

All: 289.023+/-0.031 χ^2/NDF: 22142044.8/90

- sign 293.638+/-0.044 χ^2/NDF: 10595531.9/46



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: 308.820+/-418.156 χ^2/NDF: 19.1/23

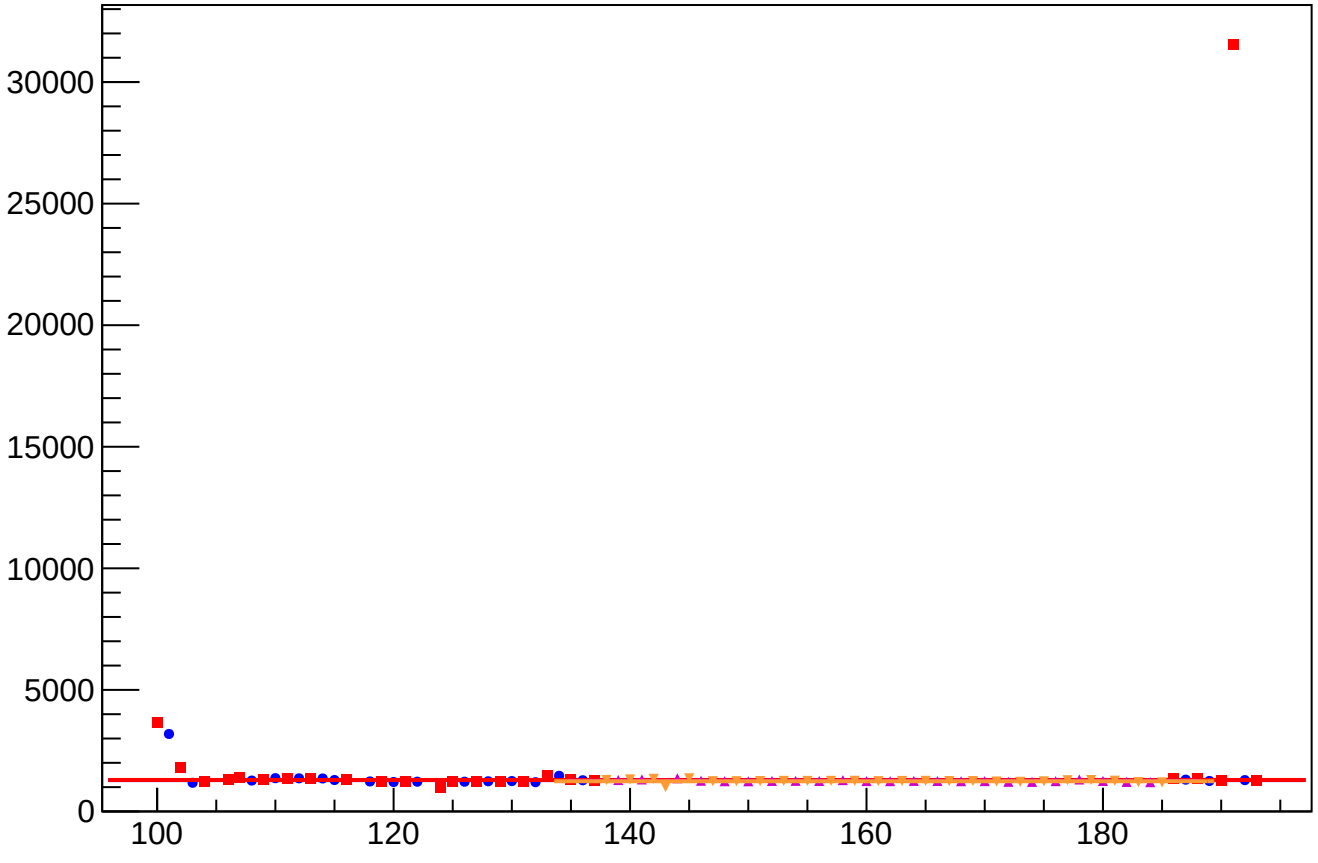
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -554.312+/-237.603 χ^2/NDF: 48.5/43

All: -150.369+/-169.092 χ^2/NDF: 104.2/90

- sign 264.141+/-240.691 χ^2/NDF: 49.9/46

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

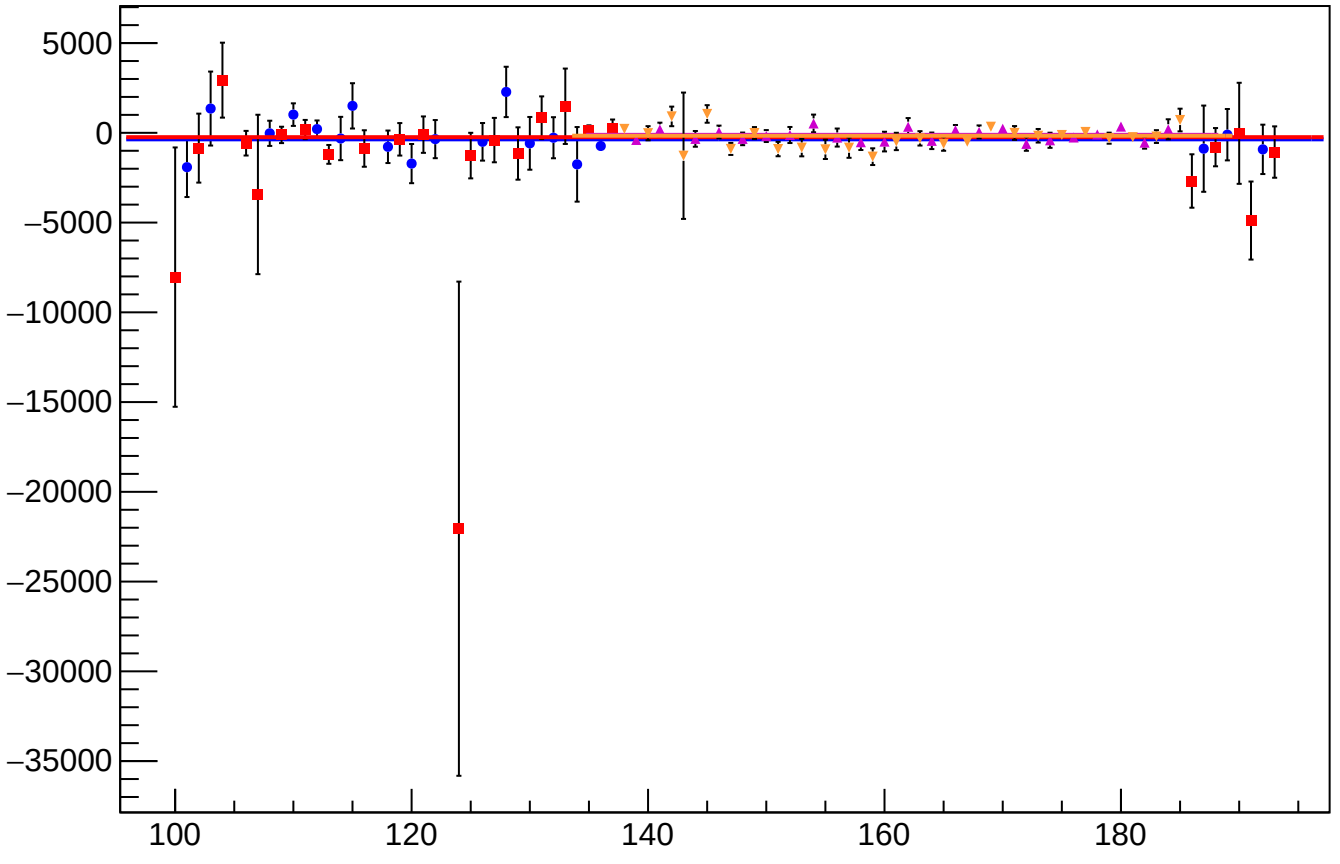
Right Out: 1295.251+/-0.296 χ^2/NDF: 371849.2/23

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1256.377+/-0.168 χ^2/NDF: 656691.9/43

All: 1263.960+/-0.120 χ^2/NDF: 1070054.9/90

- sign 1271.742+/-0.170 χ^2/NDF: 409235.2/46



Right In: -362.710+/-167.122 χ^2/NDF: 18.7/18

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

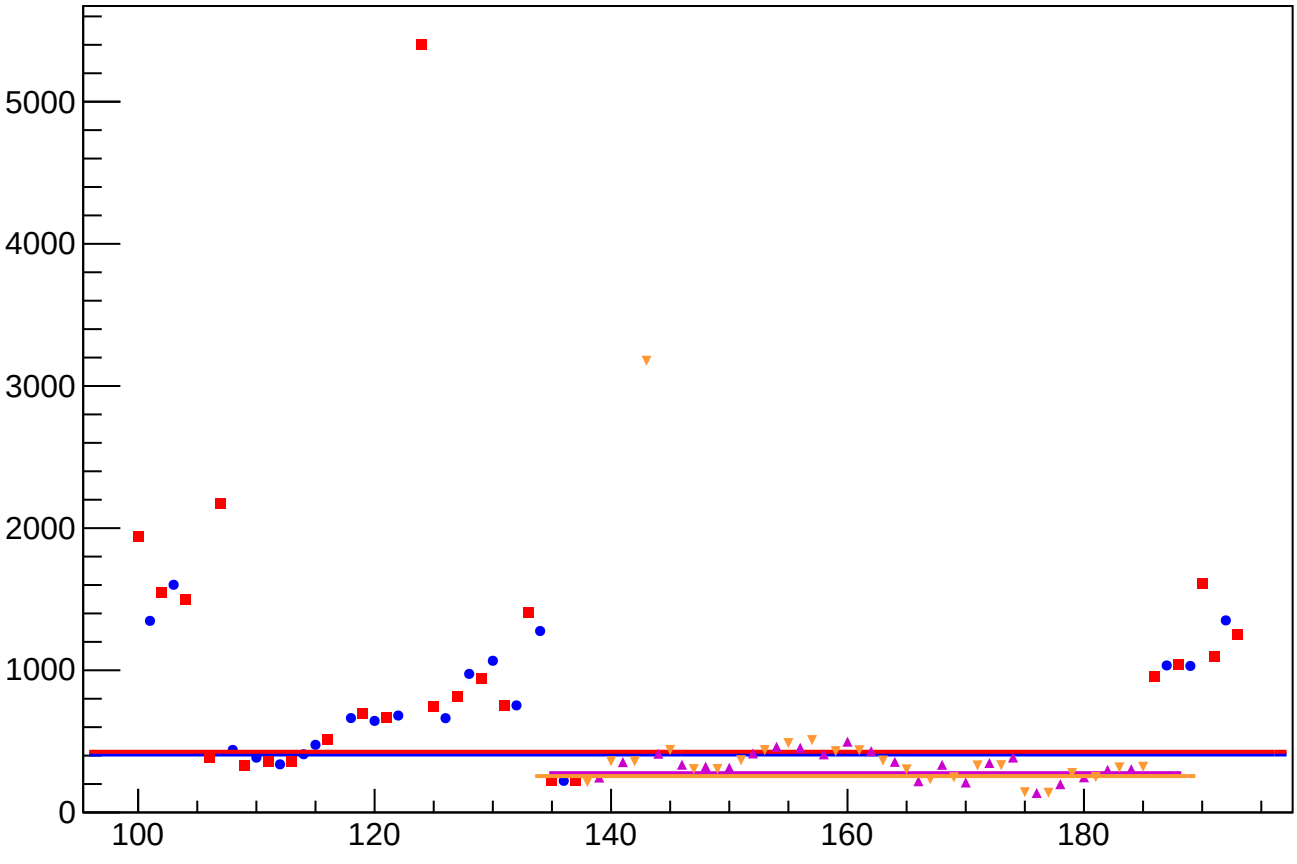
Right Out: -242.906+/-164.626 χ^2/NDF: 24.0/23

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -186.830+/-59.875 χ^2/NDF: 63.7/43

All: -161.476+/-43.567 χ^2/NDF: 106.8/90

- sign -132.949+/-63.511 χ^2/NDF: 42.7/46



Right In: 407.678+/-0.118 χ^2/NDF: 5821860.0/18

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

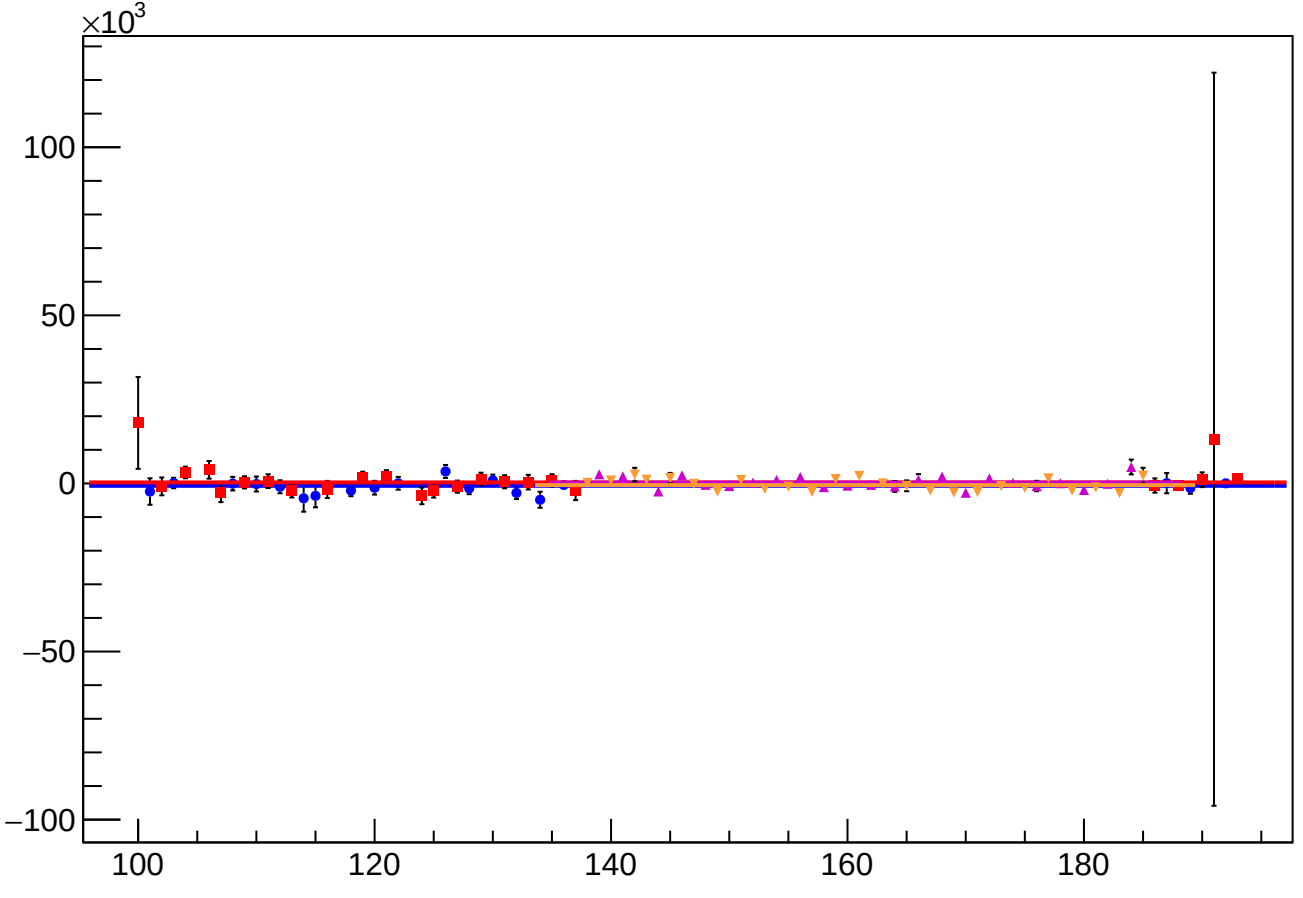
Right Out: 427.064+/-0.116 χ^2/NDF: 6809021.4/23

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 275.267+/-0.042 χ^2/NDF: 13636154.2/43

All: 286.311+/-0.031 χ^2/NDF: 26044931.3/90

- sign 298.738+/-0.045 χ^2/NDF: 12264172.8/46



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: 308.820+/-418.156 χ^2/NDF: 19.1/23

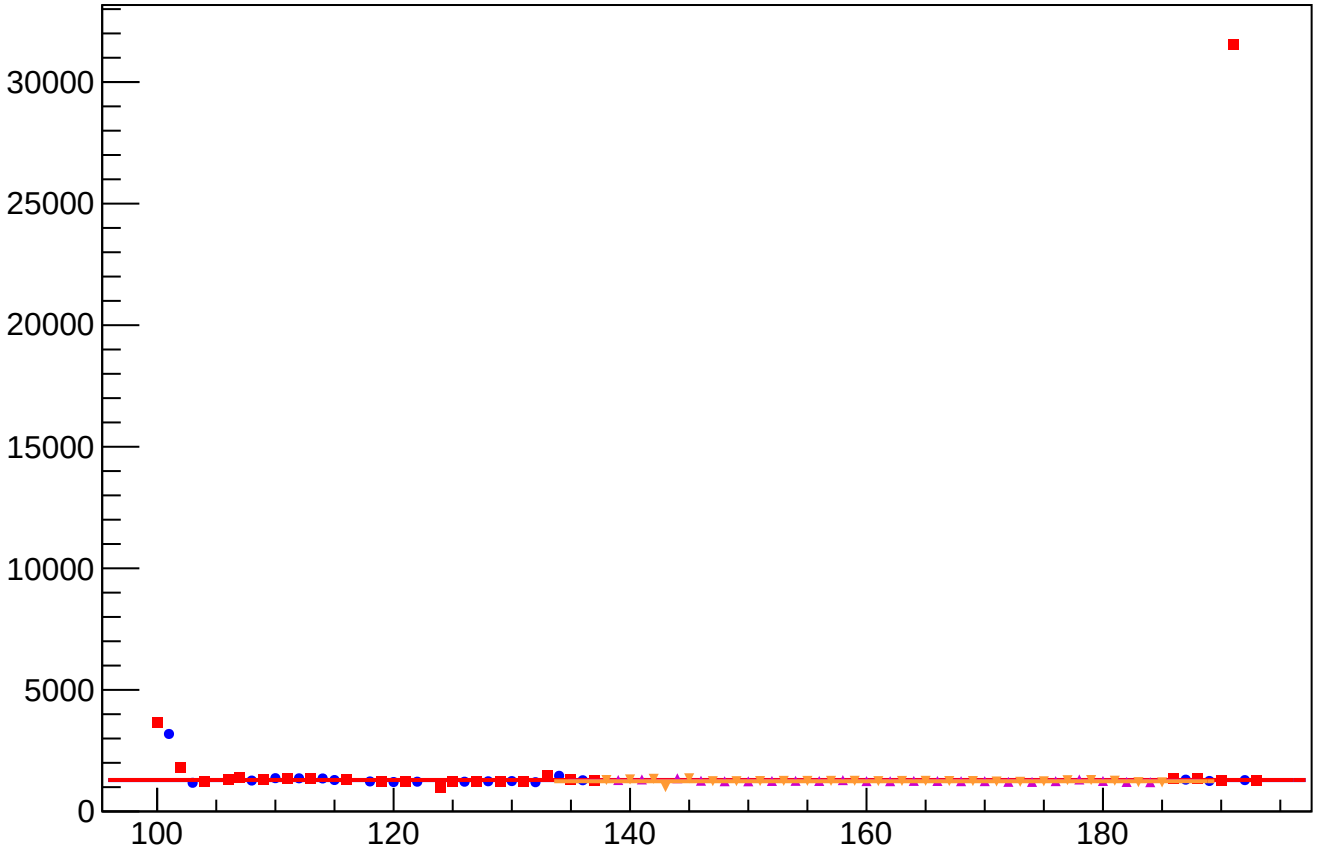
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -554.312+/-237.603 χ^2/NDF: 48.5/43

All: -150.369+/-169.092 χ^2/NDF: 104.2/90

- sign 264.141+/-240.691 χ^2/NDF: 49.9/46

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

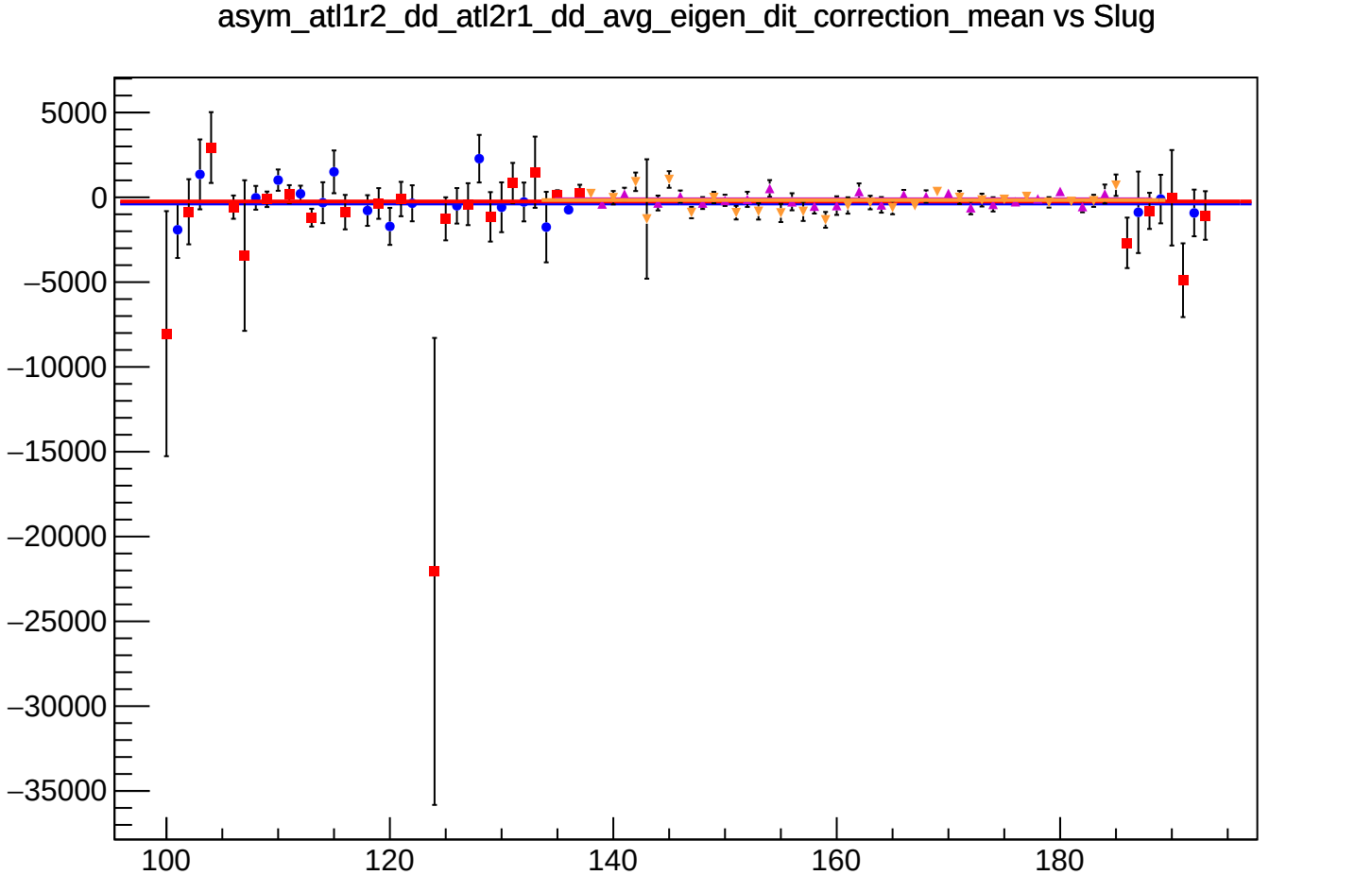
Right Out: 1295.251+/-0.296 χ^2/NDF: 371849.5/23

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1256.377+/-0.168 χ^2/NDF: 656691.0/43

All: 1263.960+/-0.120 χ^2/NDF: 1070054.3/90

- sign 1271.742+/-0.170 χ^2/NDF: 409235.5/46



Right In: -362.710+/-167.125 χ^2/NDF: 18.7/18

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

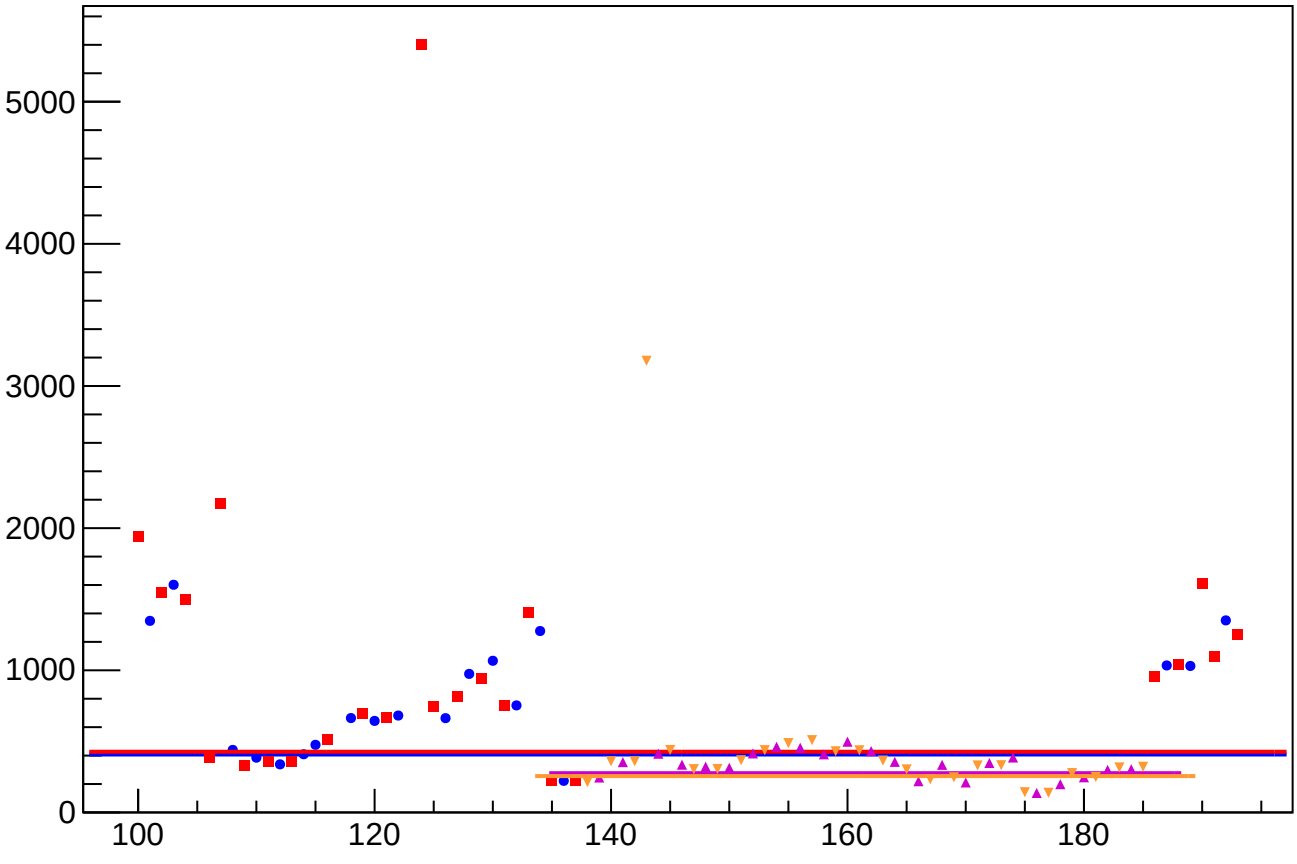
Right Out: -242.914+/-164.628 χ^2/NDF: 24.0/23

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -186.833+/-59.876 χ^2/NDF: 63.7/43

All: -161.477+/-43.567 χ^2/NDF: 106.8/90

- sign -132.948+/-63.512 χ^2/NDF: 42.7/46



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: 427.072+/-0.116 χ^2/NDF: 6808826.6/23

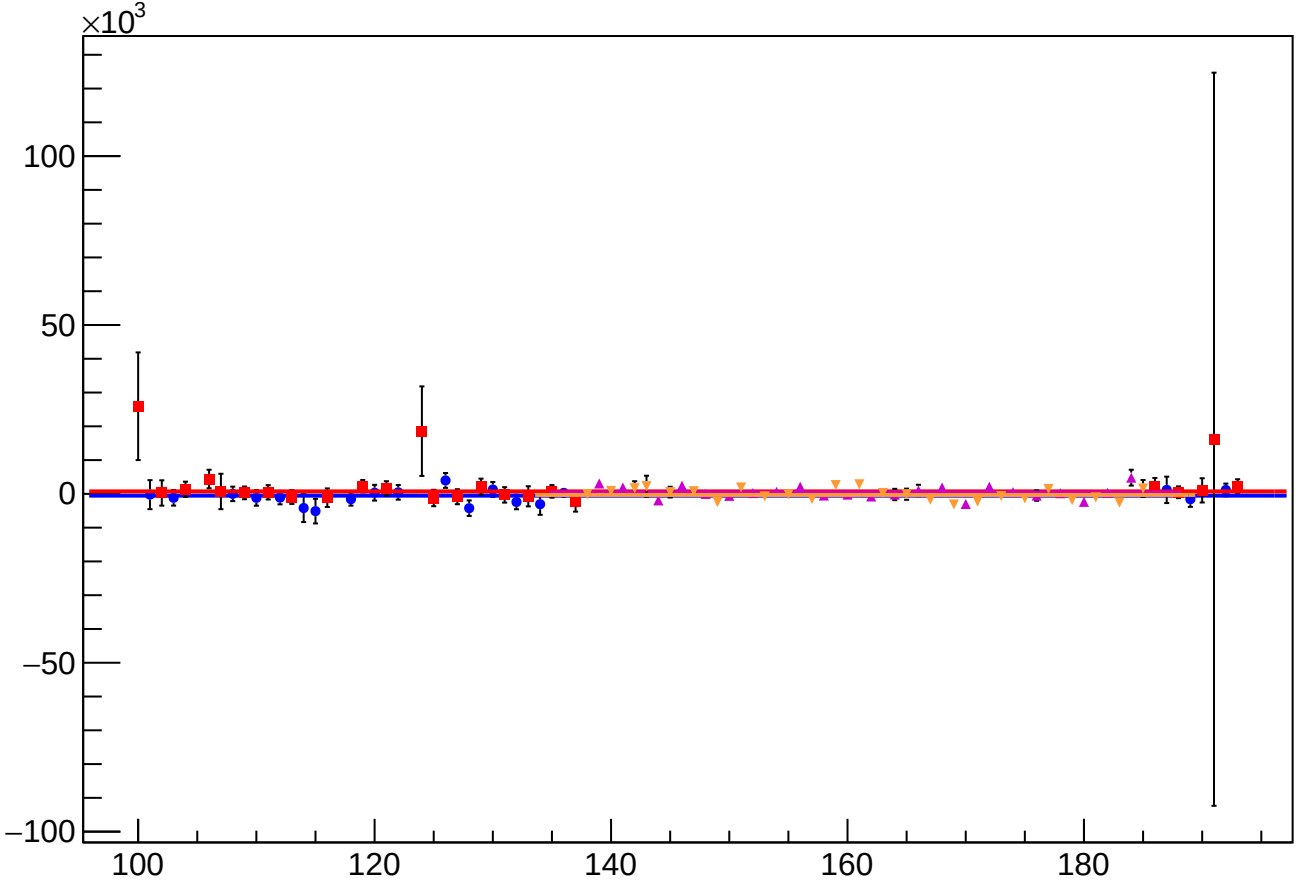
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 275.269+/-0.042 χ^2/NDF: 13635963.2/43

All: 286.313+/-0.031 χ^2/NDF: 26044615.8/90

- sign 298.739+/-0.045 χ^2/NDF: 12264059.4/46

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



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: 735.341+/-505.684 χ^2/NDF: 12.3/23

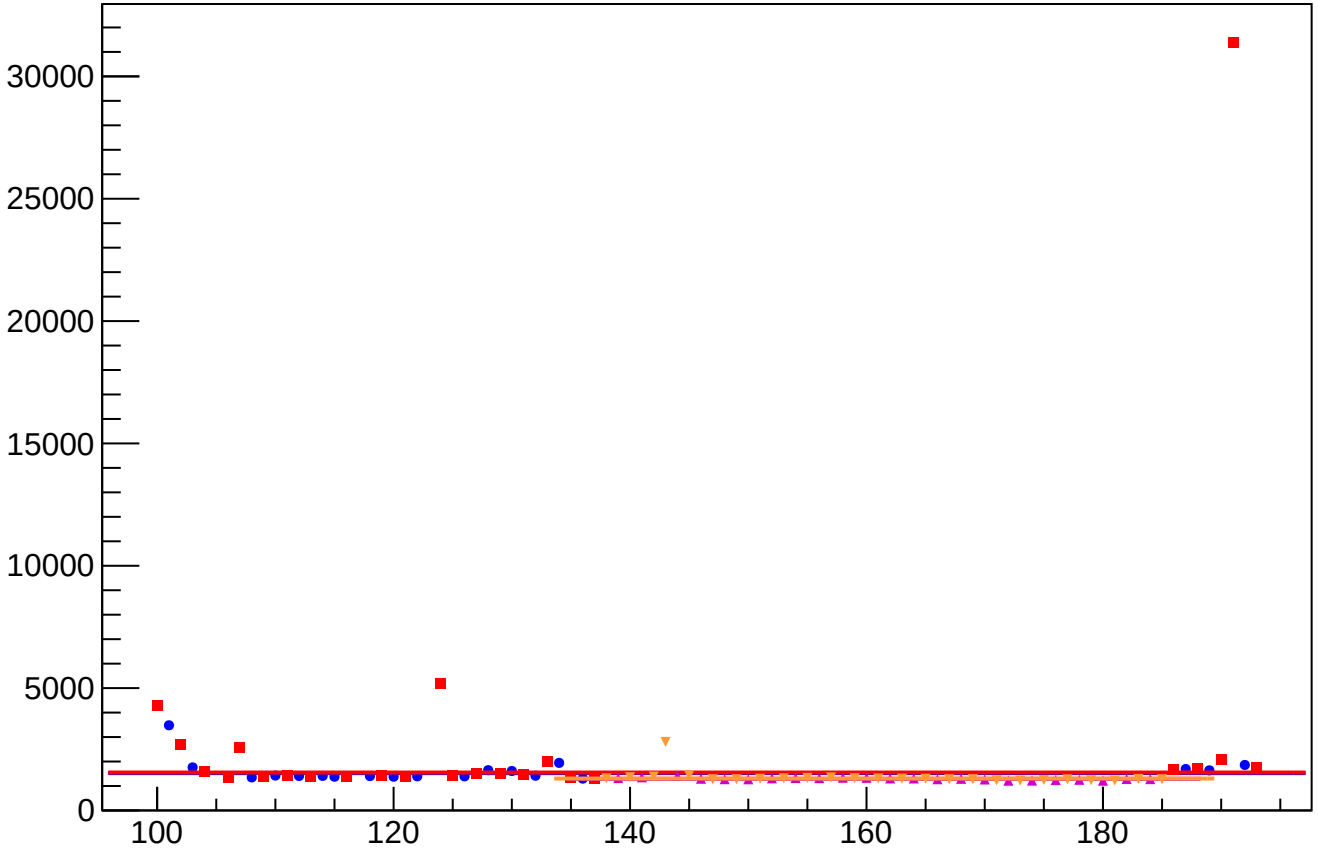
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -369.552+/-258.866 χ^2/NDF: 45.4/43

All: 42.644+/-183.171 χ^2/NDF: 92.9/90

- sign 455.965+/-259.220 χ^2/NDF: 42.4/46

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

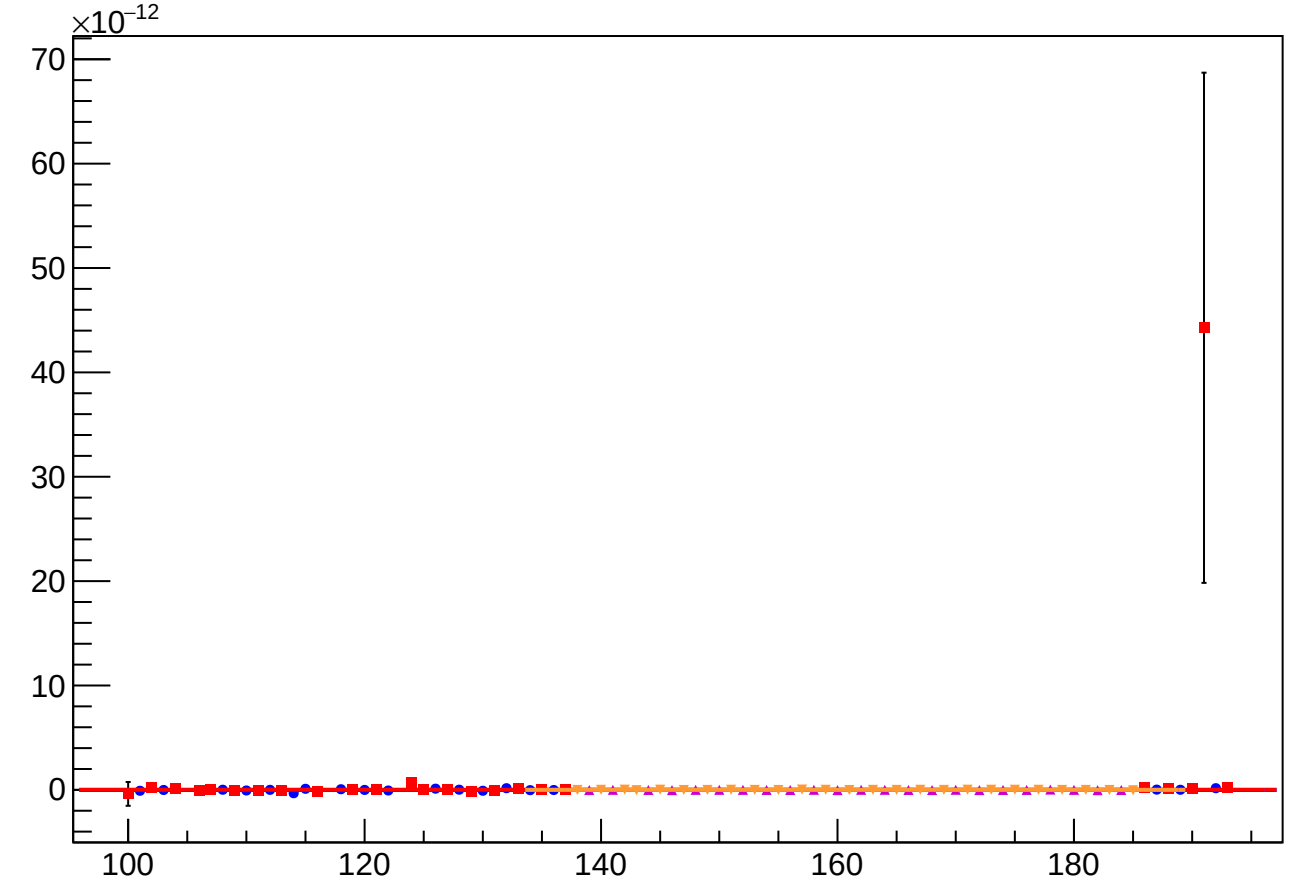
Right Out: 1550.443+/-0.358 χ^2/NDF: 880301.0/23

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1358.846+/-0.183 χ^2/NDF: 1458014.6/43

All: 1359.423+/-0.130 χ^2/NDF: 2771440.4/90

- sign 1360.002+/-0.183 χ^2/NDF: 1313405.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 10.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

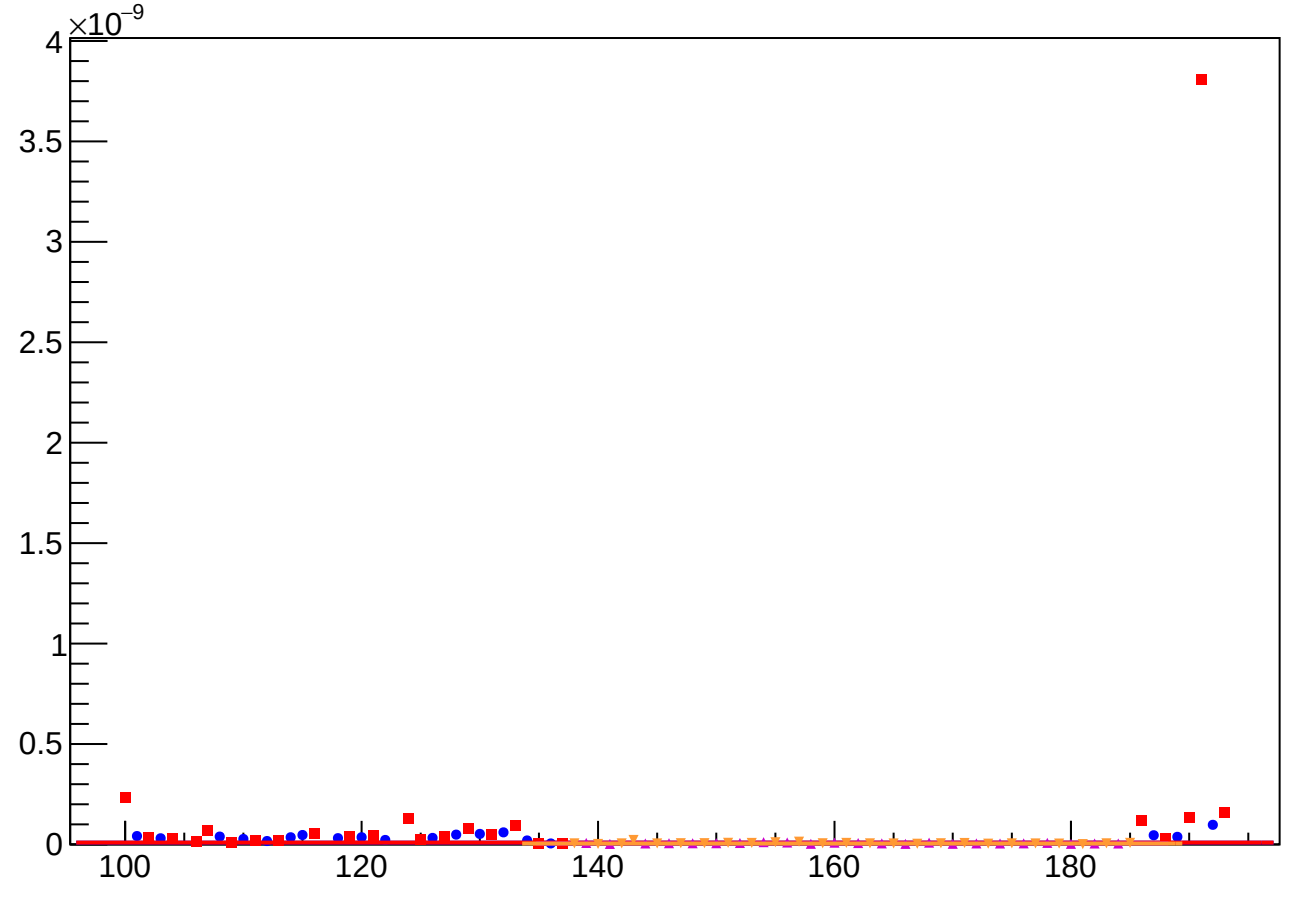
Right Out: 0.000+/-0.000 χ^2/NDF: 30.7/23

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: 100.3/90

- sign 0.000+/-0.000 χ^2/NDF: 62.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 3883043.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

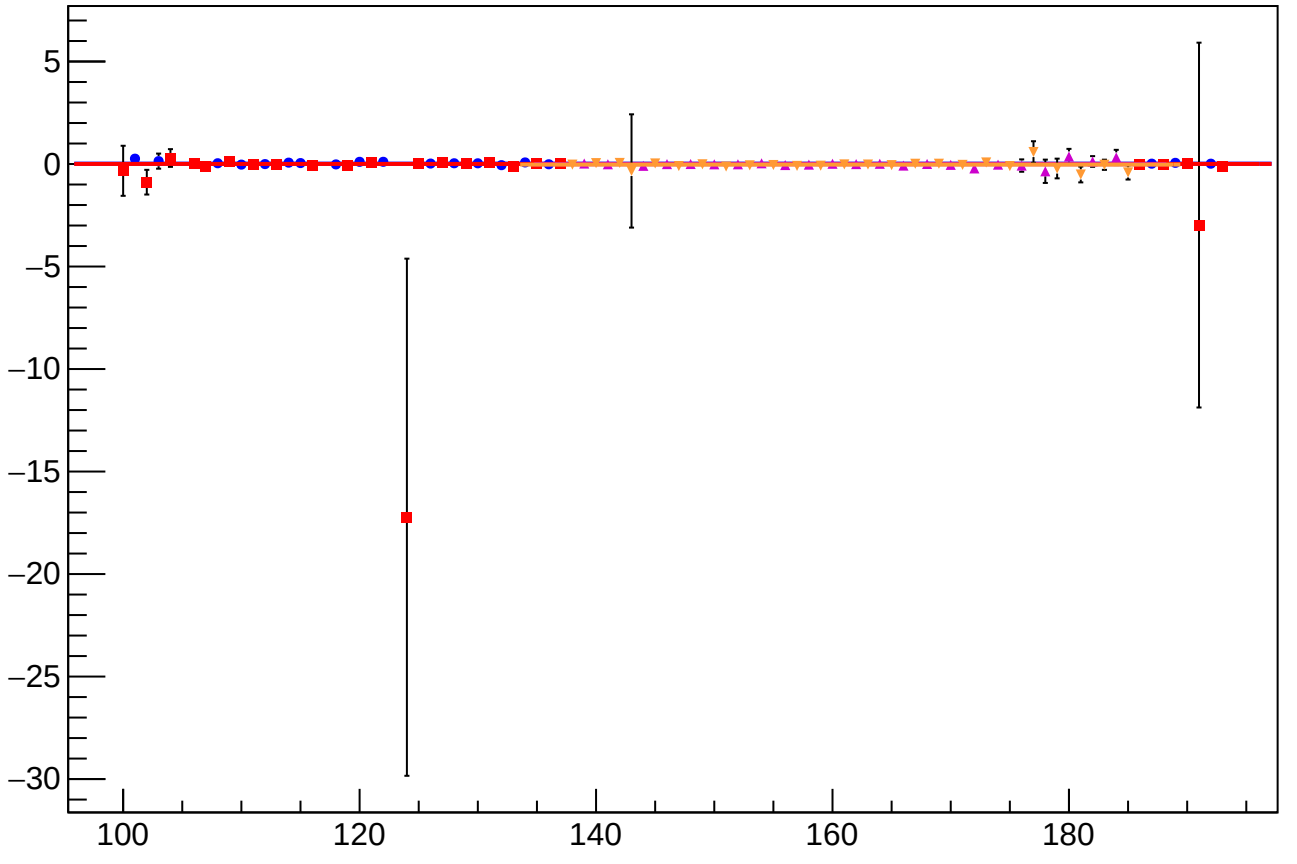
Right Out: 0.000+/-0.000 χ^2/NDF: 5109889.1/23

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: 14840535.8/90

- sign 0.000+/-0.000 χ^2/NDF: 7588173.7/46



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

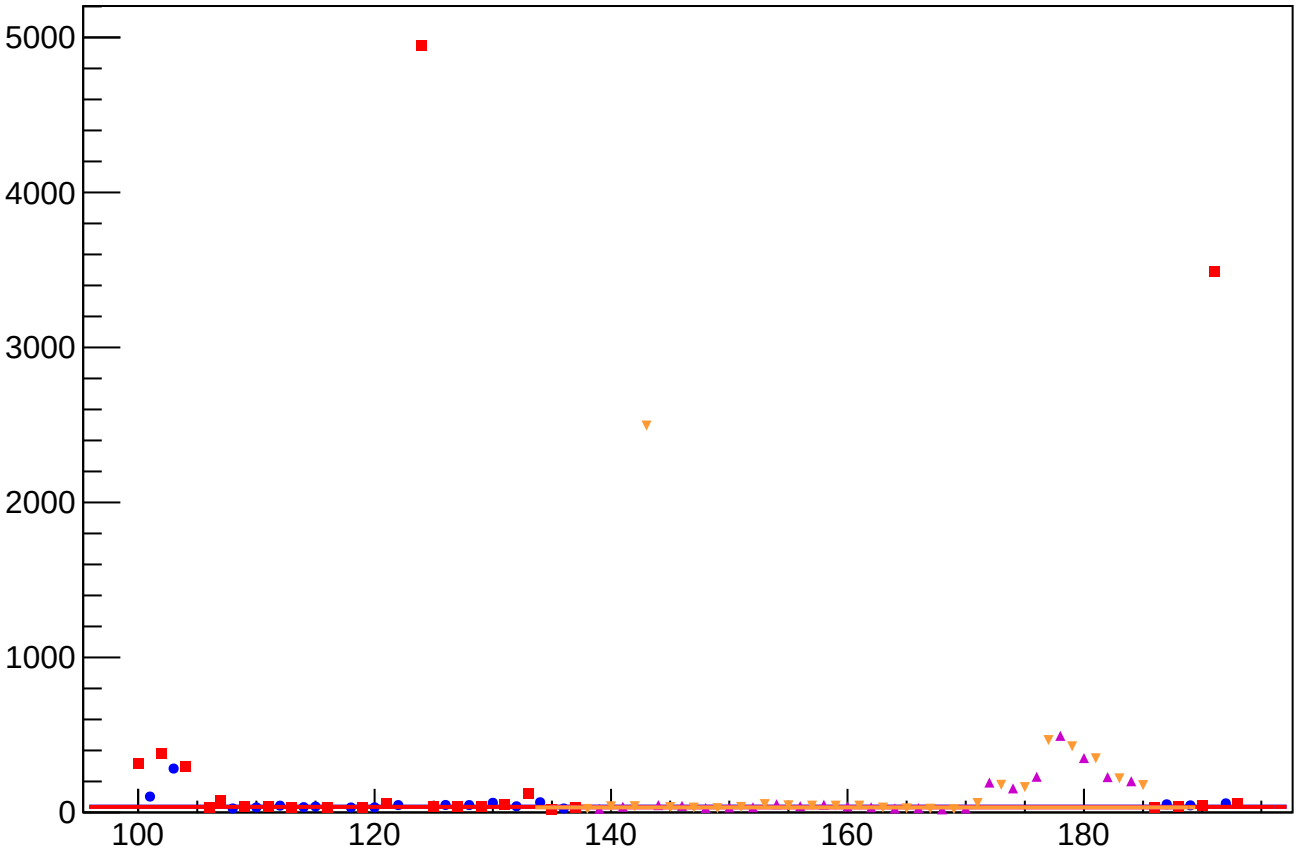
Right Out: 0.004+/-0.014 χ^2/NDF: 20.0/23

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.010+/-0.006 χ^2/NDF: 81.5/90

- sign -0.006+/-0.008 χ^2/NDF: 34.0/46



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: 35.858+/-0.010 χ^2/NDF: 3514036.7/23

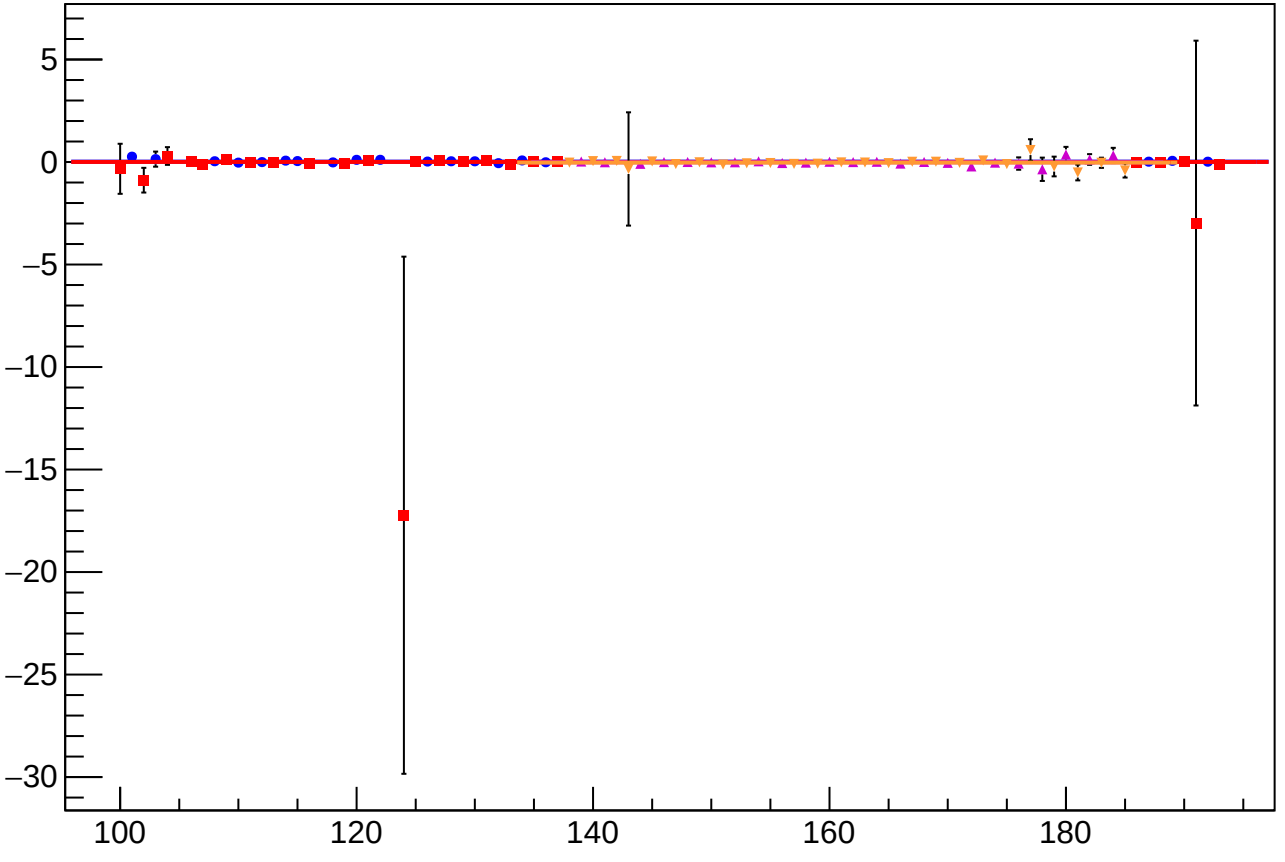
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576693.3/43

All: 33.887+/-0.004 χ^2/NDF: 26125682.7/90

- sign 33.760+/-0.006 χ^2/NDF: 12547893.9/46

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

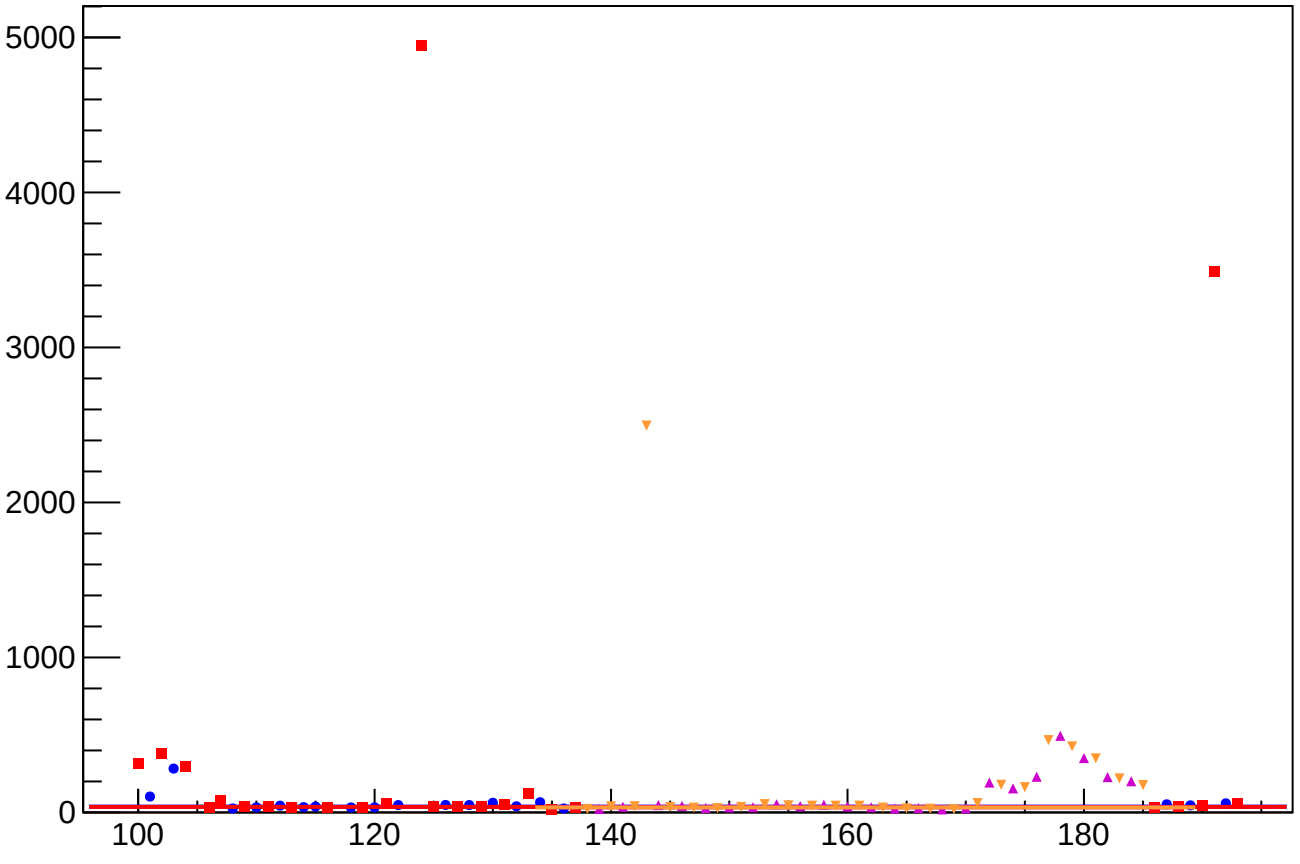
Right Out: 0.004+/-0.014 χ^2/NDF: 20.0/23

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.010+/-0.006 χ^2/NDF: 81.5/90

- sign -0.006+/-0.008 χ^2/NDF: 34.0/46



Right In: 37.488+/-0.010 χ^2/NDF: 2544712.0/18

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

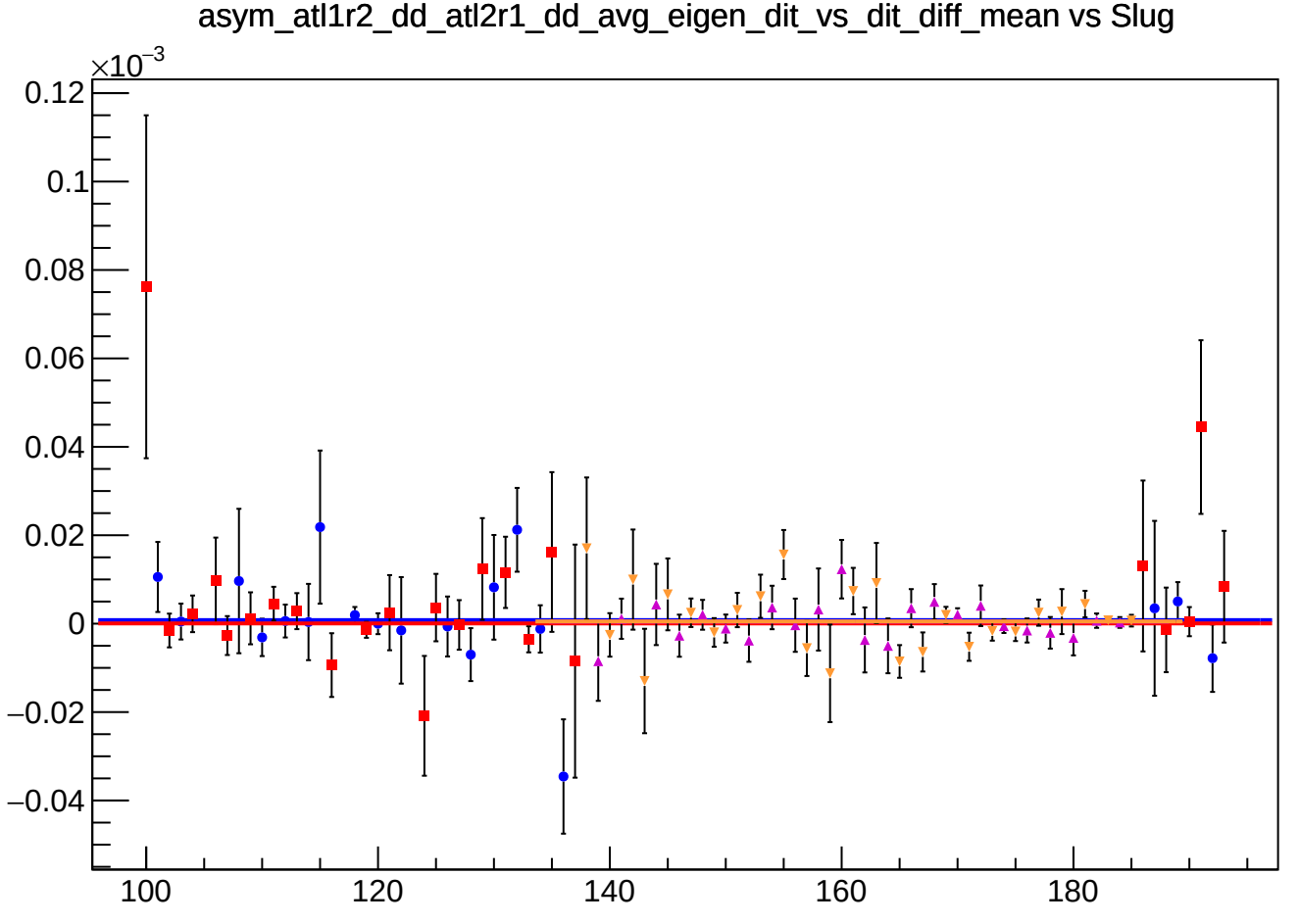
Right Out: 35.858+/-0.010 χ^2/NDF: 3514036.7/23

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576693.3/43

All: 33.887+/-0.004 χ^2/NDF: 26125682.7/90

- sign 33.760+/-0.006 χ^2/NDF: 12547893.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

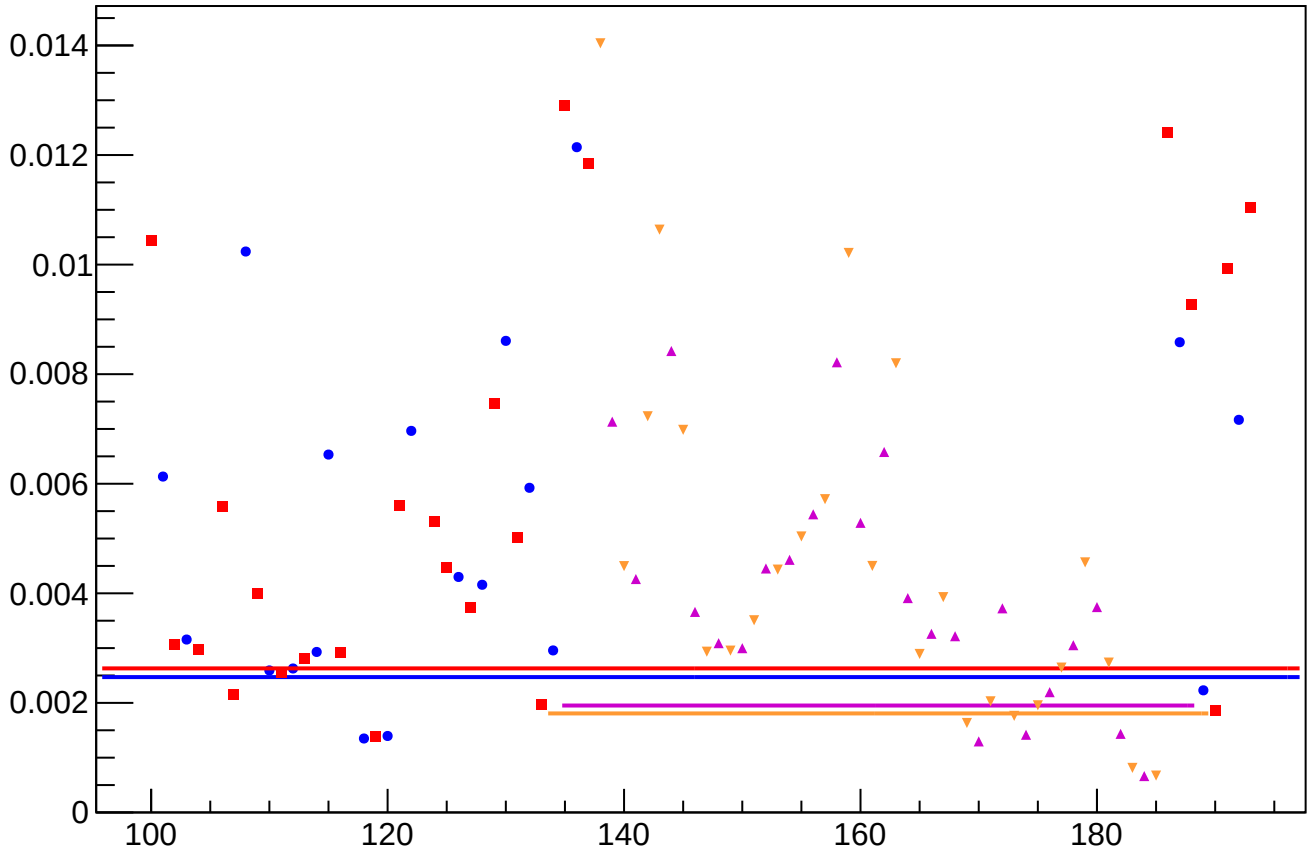
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/23

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: 95.2/90

- sign 0.000+/-0.000 χ^2/NDF: 38.0/46



Right In: 0.002+/-0.000 χ^2/NDF: 5694208.4/18

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

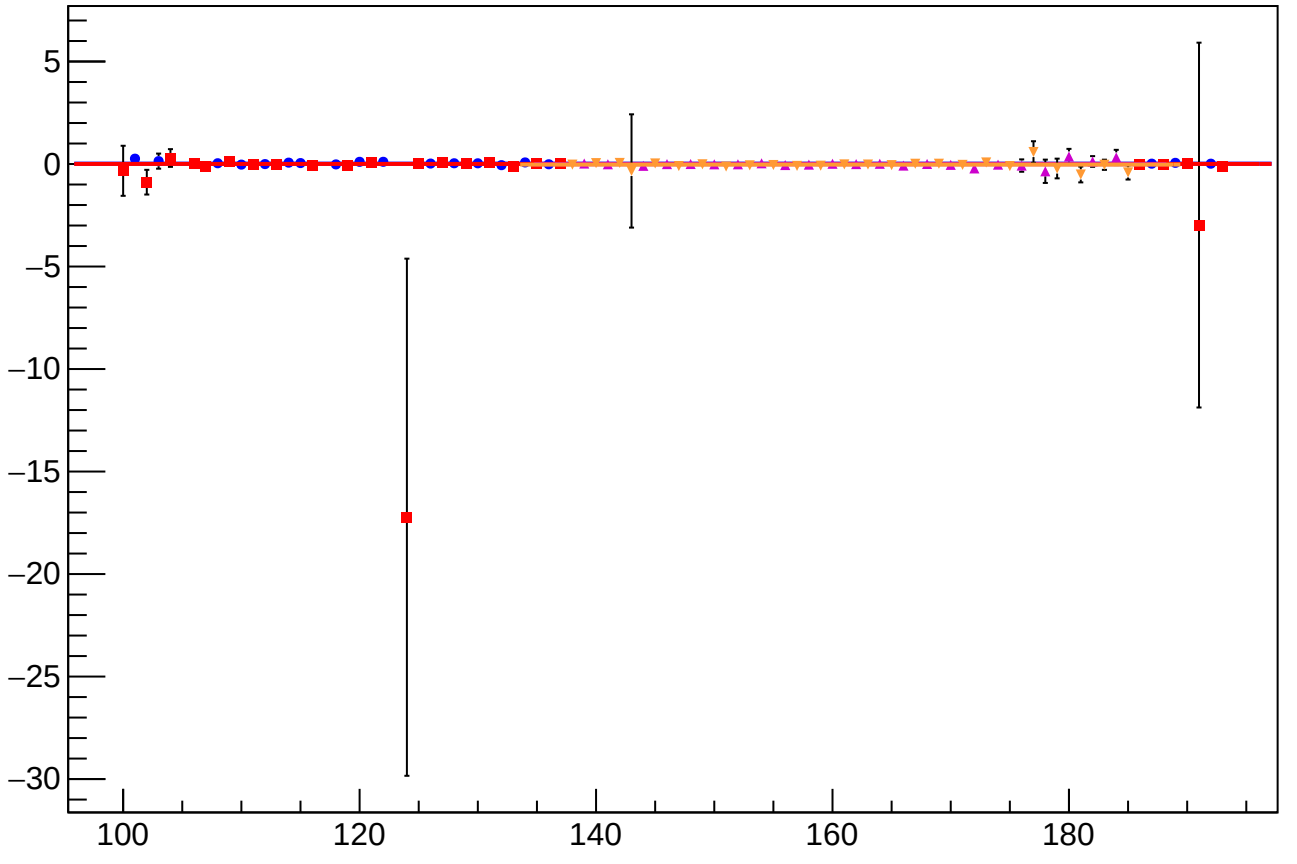
Right Out: 0.003+/-0.000 χ^2/NDF: 6169056.1/23

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: 39712694.7/90

- sign 0.002+/-0.000 χ^2/NDF: 18329333.4/46



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

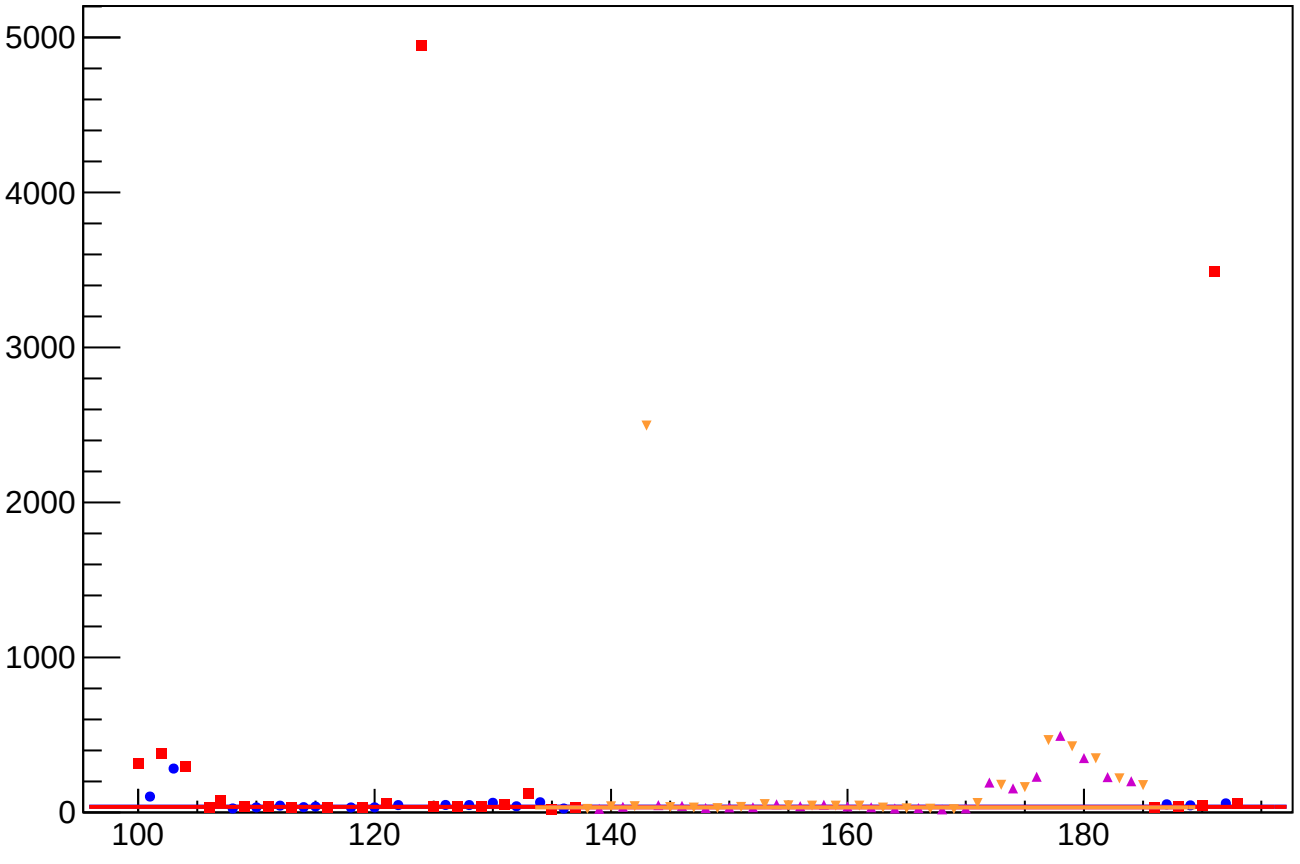
Right Out: 0.004+/-0.014 χ^2/NDF: 20.0/23

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.010+/-0.006 χ^2/NDF: 81.5/90

- sign -0.006+/-0.008 χ^2/NDF: 34.0/46



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: 35.858+/-0.010 χ^2/NDF: 3513801.0/23

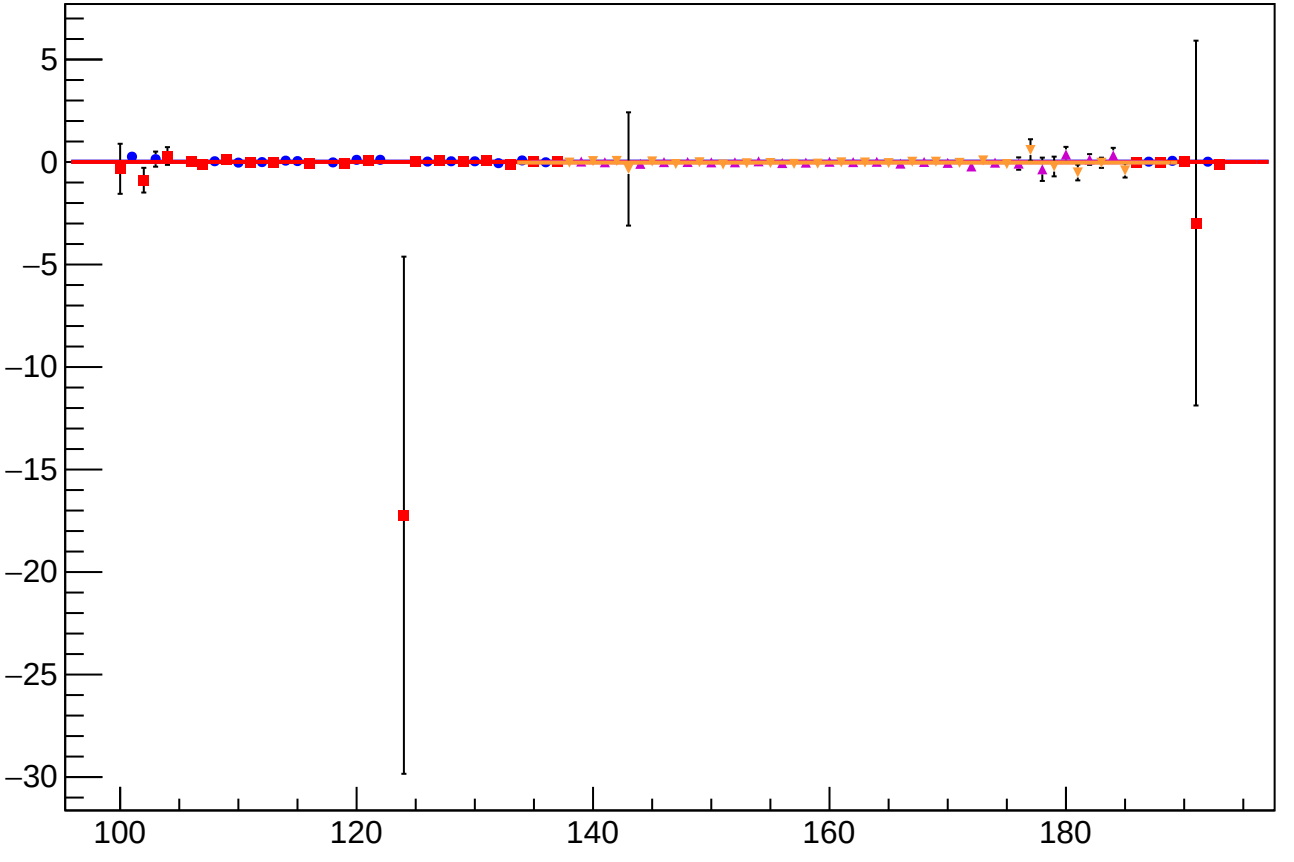
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576671.6/43

All: 33.887+/-0.004 χ^2/NDF: 26126138.6/90

- sign 33.759+/-0.006 χ^2/NDF: 12548362.7/46

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

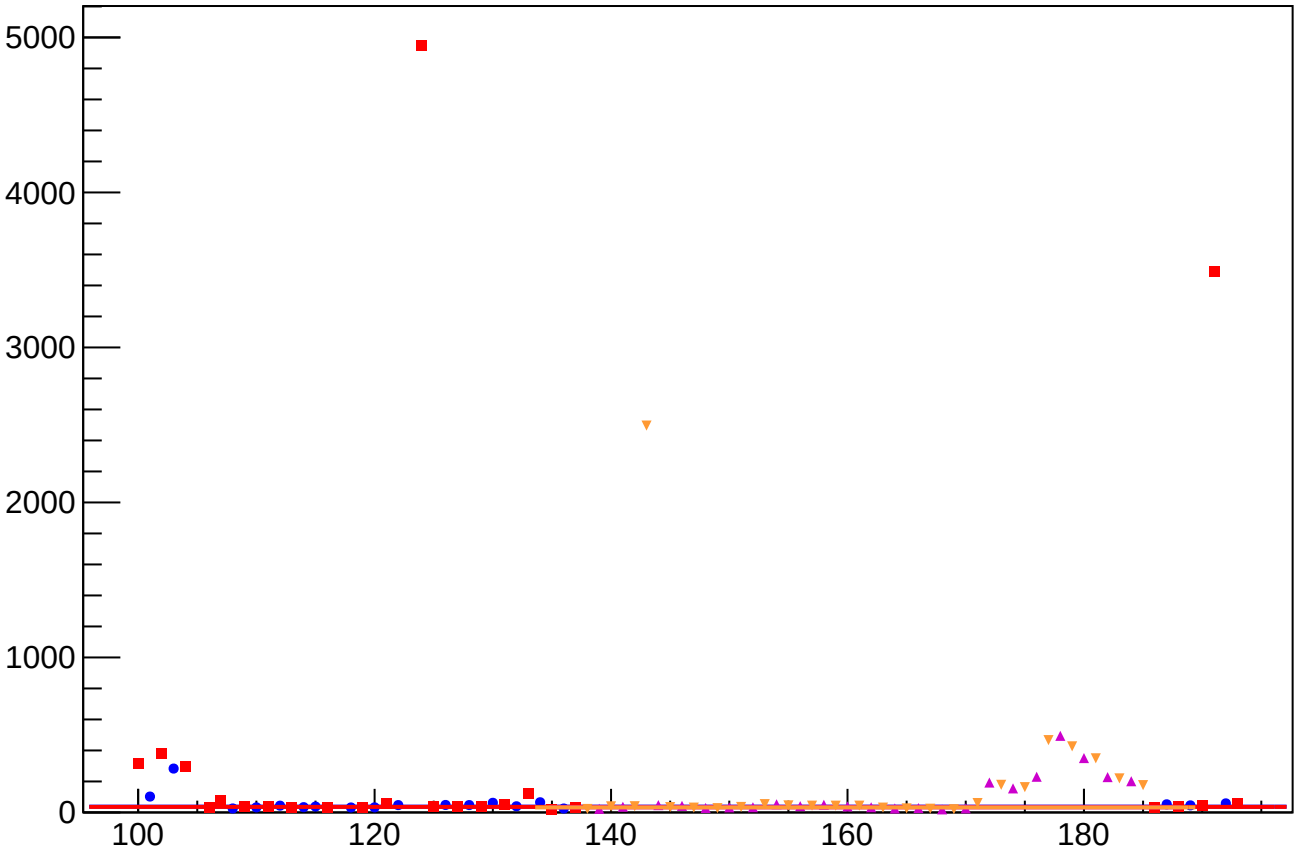
Right Out: 0.004+/-0.014 χ^2/NDF: 20.0/23

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.010+/-0.006 χ^2/NDF: 81.5/90

- sign -0.006+/-0.008 χ^2/NDF: 34.0/46



Right In: 37.489+/-0.010 χ^2/NDF: 2544334.6/18

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

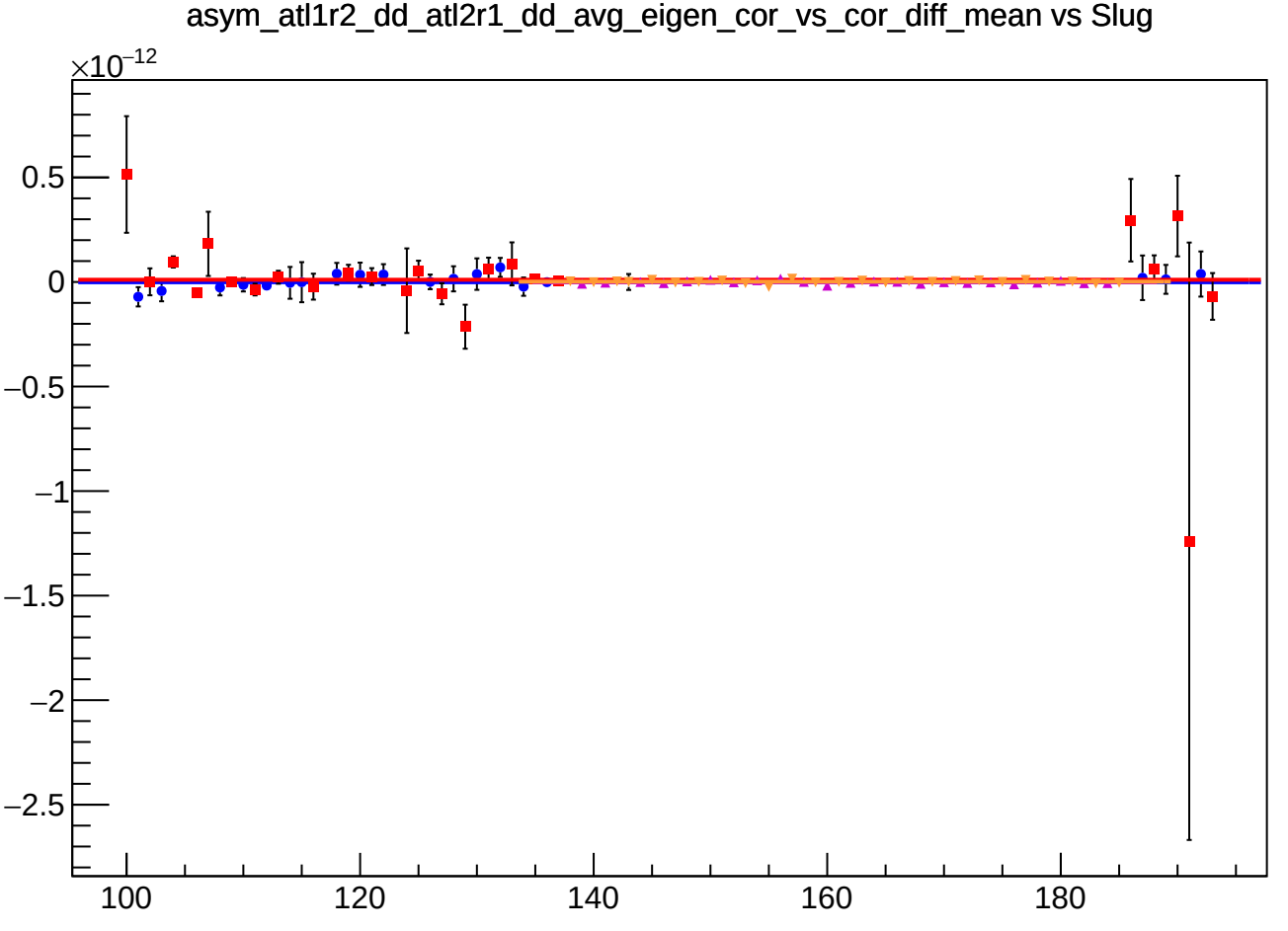
Right Out: 35.858+/-0.010 χ^2/NDF: 3513801.0/23

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576671.6/43

All: 33.887+/-0.004 χ^2/NDF: 26126138.6/90

- sign 33.759+/-0.006 χ^2/NDF: 12548362.7/46



Right In: -0.000+/-0.000 χ^2/NDF: 8.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

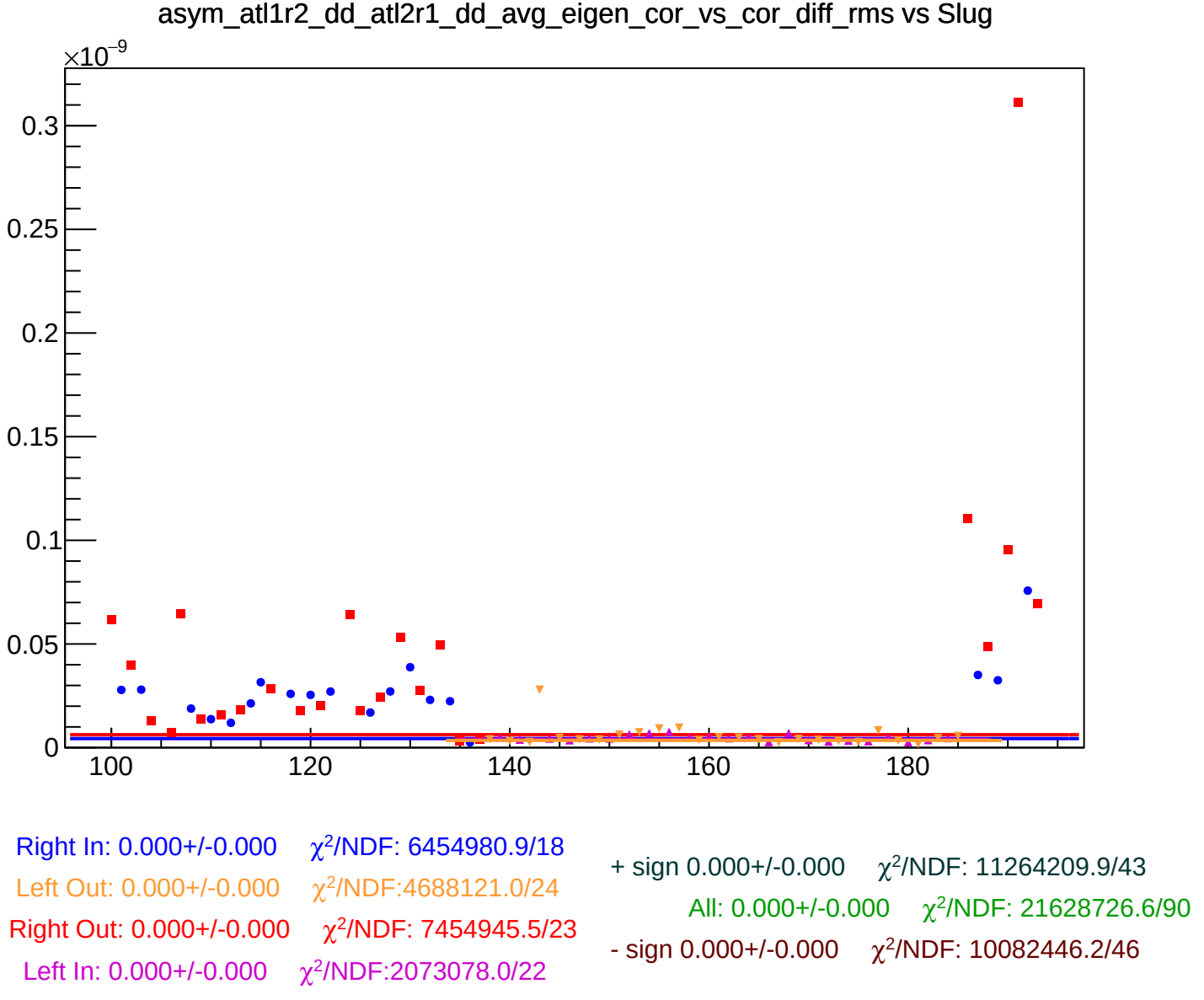
Right Out: 0.000+/-0.000 χ^2/NDF: 46.4/23

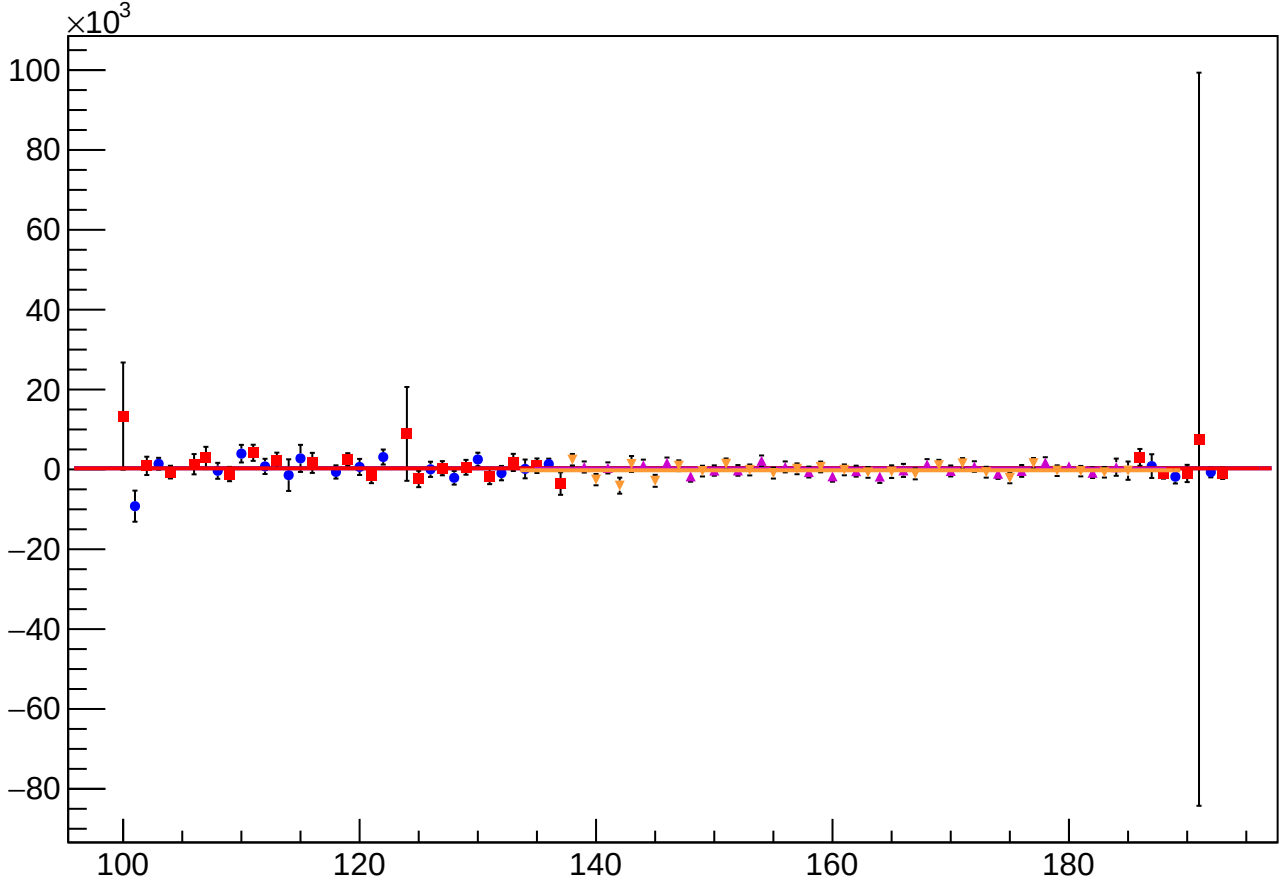
Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.5/43

All: 0.000+/-0.000 χ^2/NDF: 111.3/90

- sign -0.000+/-0.000 χ^2/NDF: 82.7/46


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: 7454945.5/23
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: 21628726.6/90
- sign 0.000+/-0.000 χ²/NDF: 10082446.2/46



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: 263.161+/-415.481 χ^2/NDF: 20.6/23

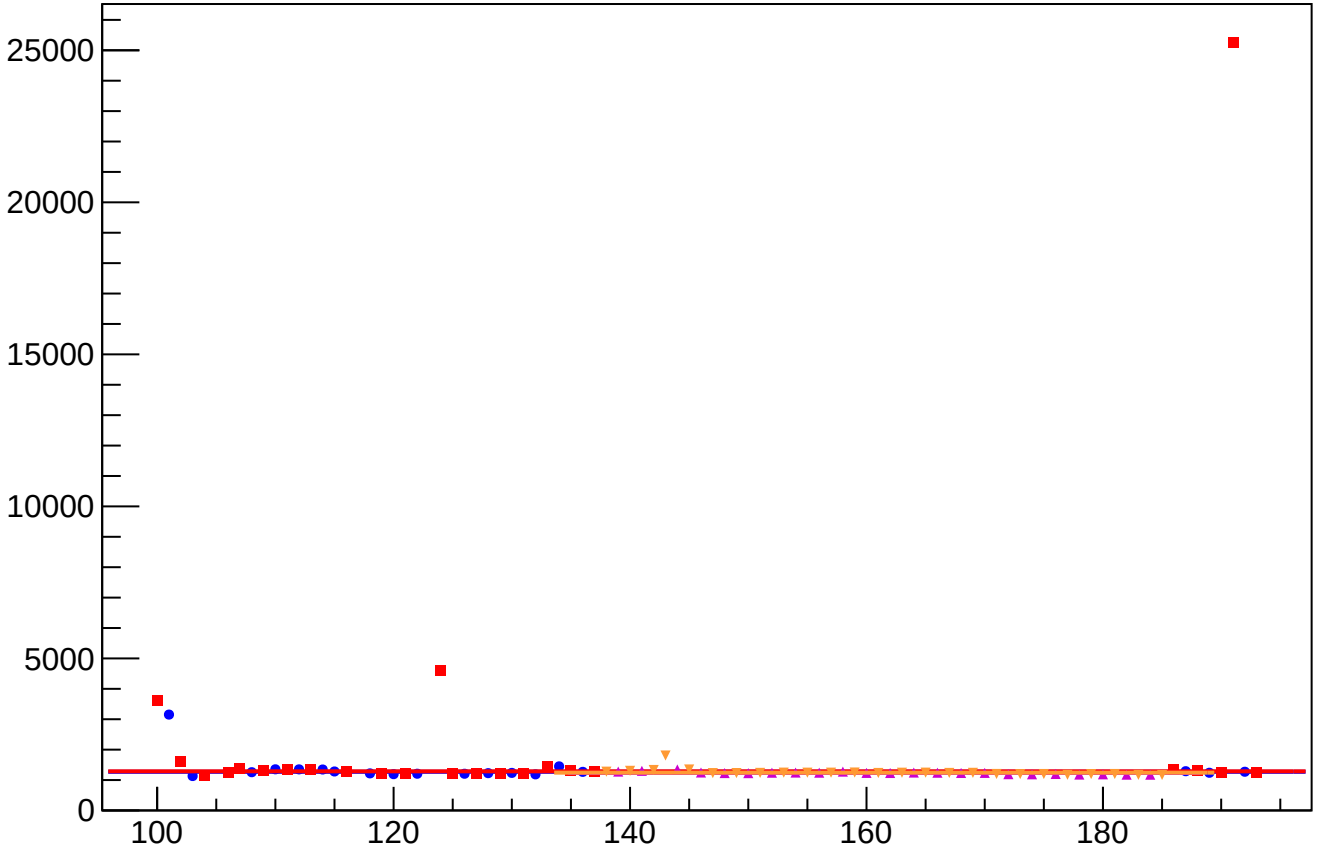
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -67.041+/-236.785 χ^2/NDF: 44.5/43

All: 40.404+/-167.443 χ^2/NDF: 80.4/90

- sign 147.877+/-236.816 χ^2/NDF: 35.4/46

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

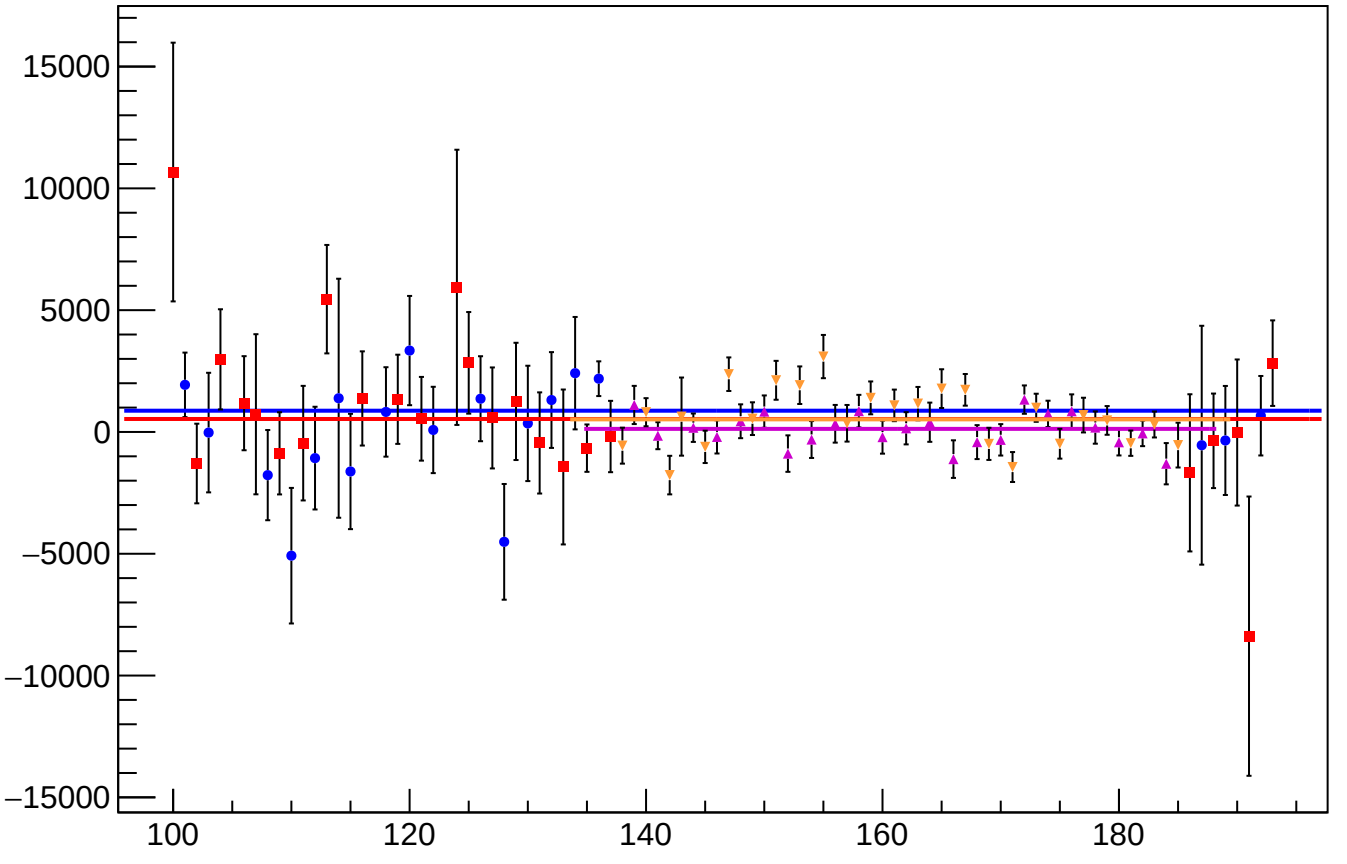
Right Out: 1287.077+/-0.294 χ^2/NDF: 467512.9/23

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729380.4/43

All: 1251.193+/-0.118 χ^2/NDF: 1258417.5/90

- sign 1251.076+/-0.167 χ^2/NDF: 529036.1/46



Right In: 872.801+/-403.848 χ^2/NDF: 20.3/18

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

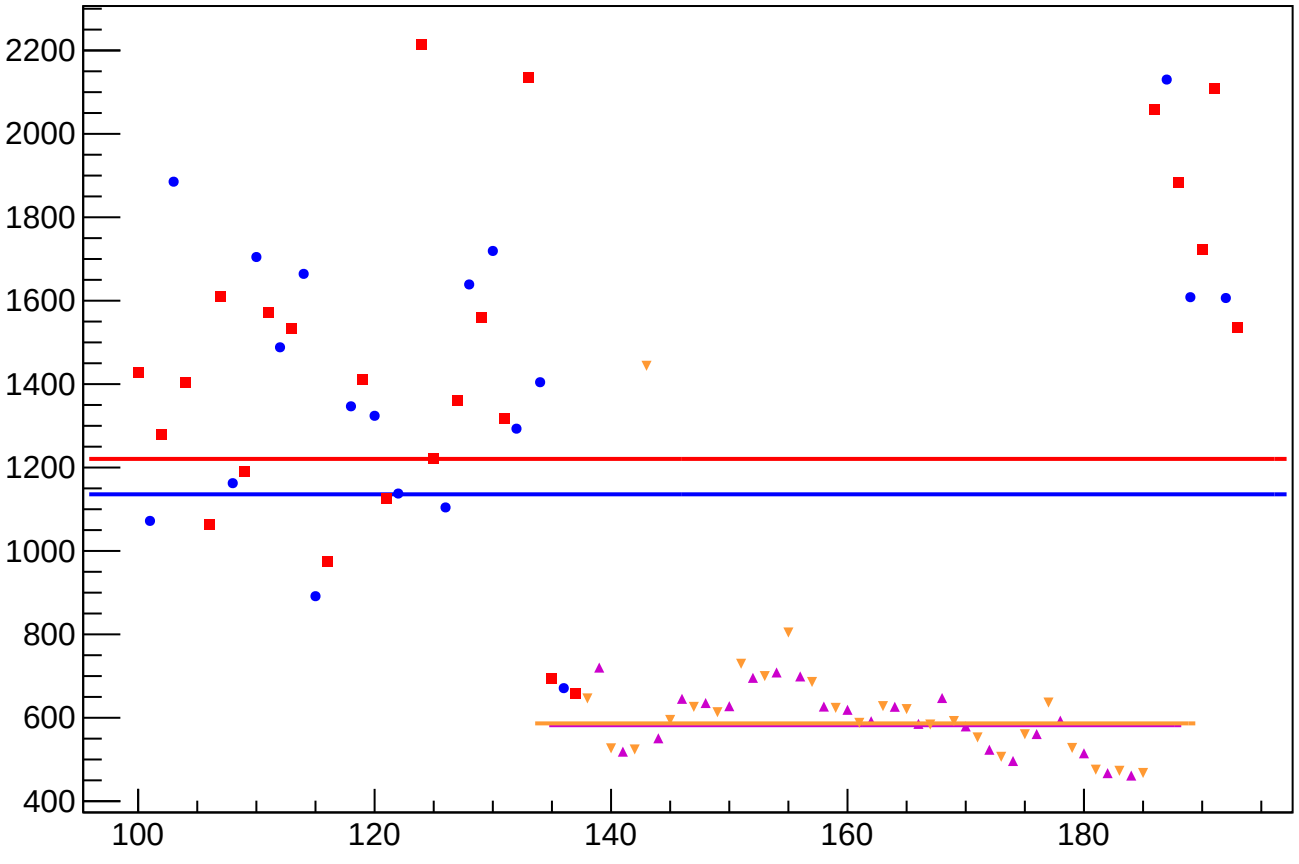
Right Out: 532.838+/-408.412 χ^2/NDF: 22.0/23

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

\+ sign 552.932+/-128.672 χ^2/NDF: 88.1/43

All: 362.514+/-91.490 χ^2/NDF: 136.9/90

\- sign 167.804+/-130.114 χ^2/NDF: 44.4/46



Right In: 1135.789+/-0.286 χ^2/NDF: 1855527.5/18

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

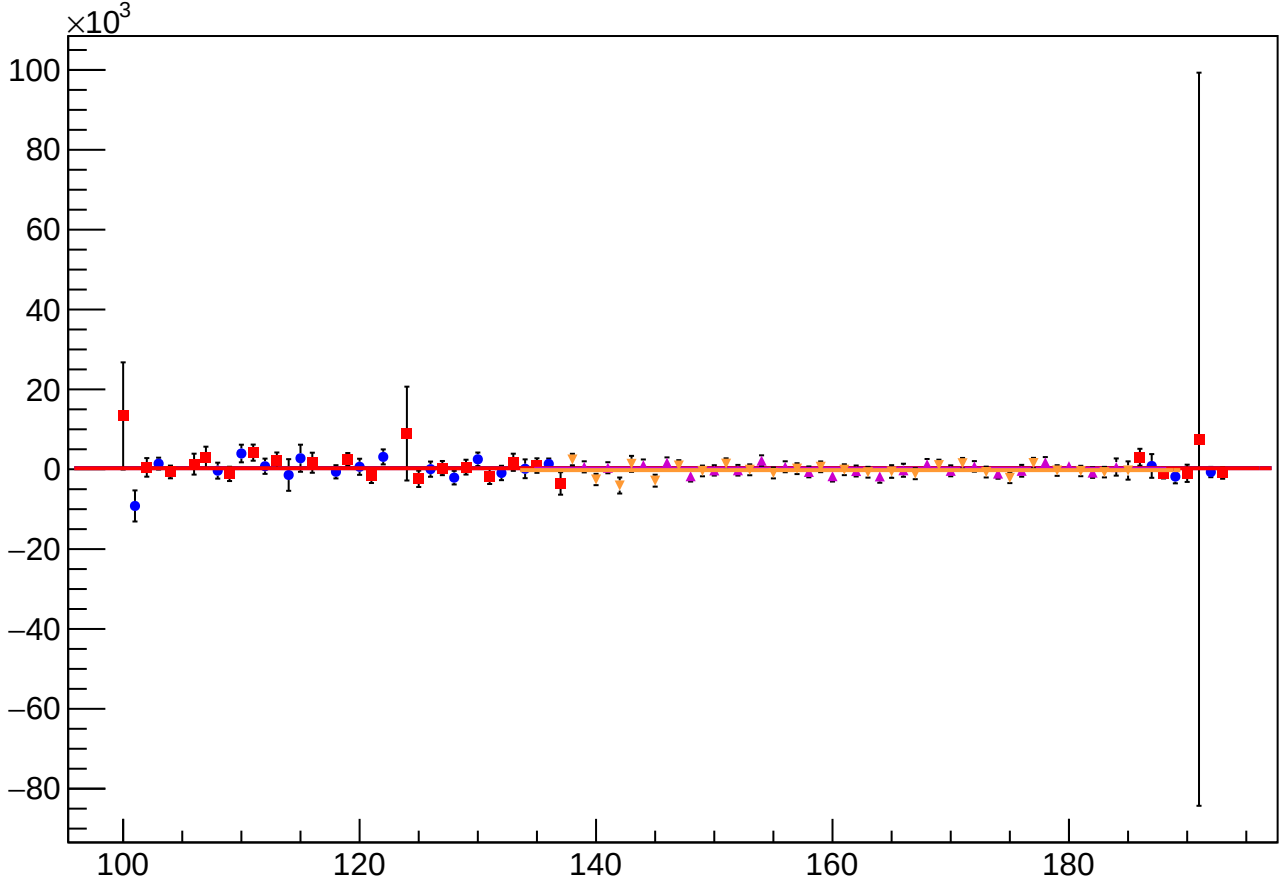
Right Out: 1220.673+/-0.289 χ^2/NDF: 1905770.8/23

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 642.312+/-0.091 χ^2/NDF: 6382098.2/43

All: 644.627+/-0.065 χ^2/NDF: 13240321.5/90

- sign 646.994+/-0.092 χ^2/NDF: 6856914.3/46



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: 247.218+/-416.009 χ^2/NDF: 20.5/23

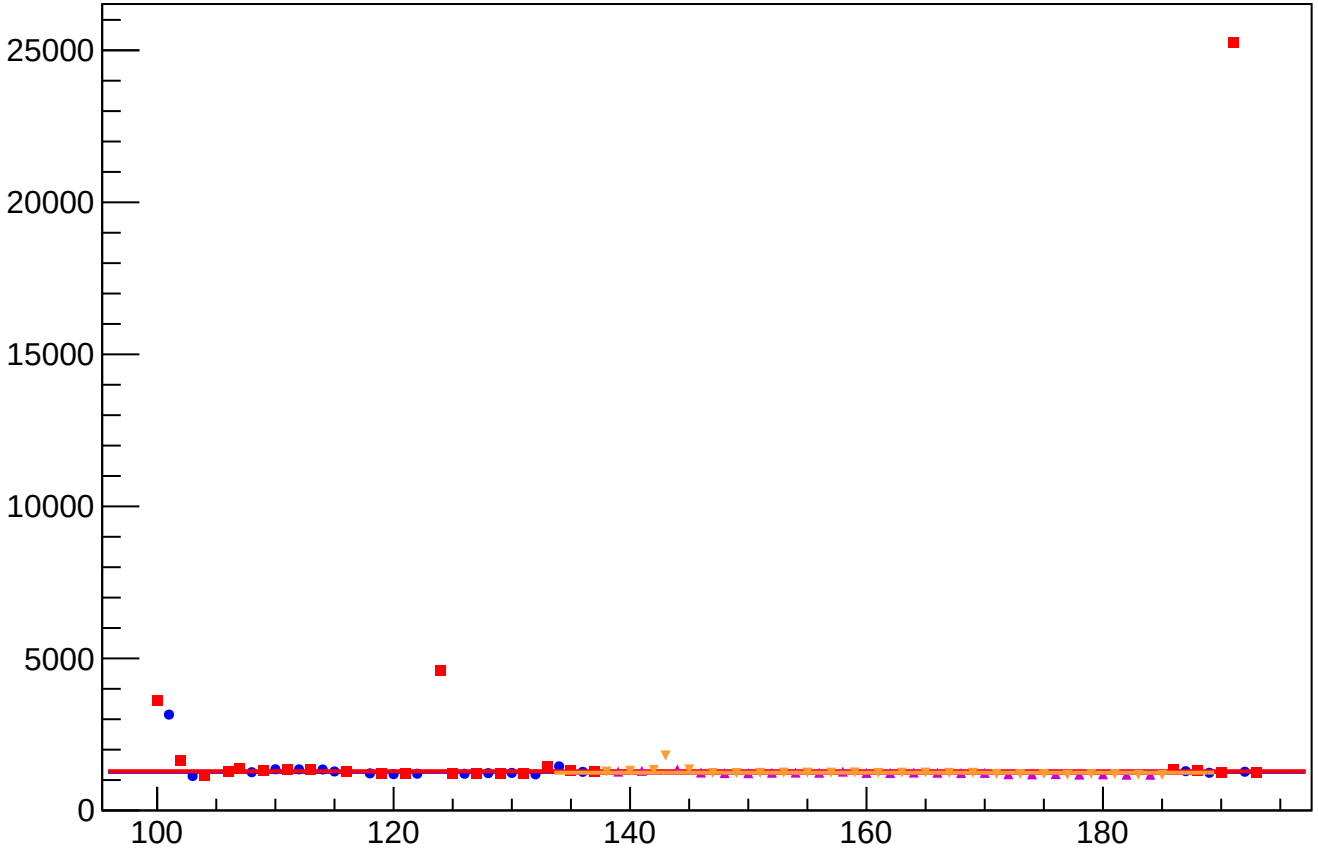
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -66.985+/-236.785 χ^2/NDF: 44.5/43

All: 37.780+/-167.478 χ^2/NDF: 80.2/90

- sign 142.659+/-236.914 χ^2/NDF: 35.3/46

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

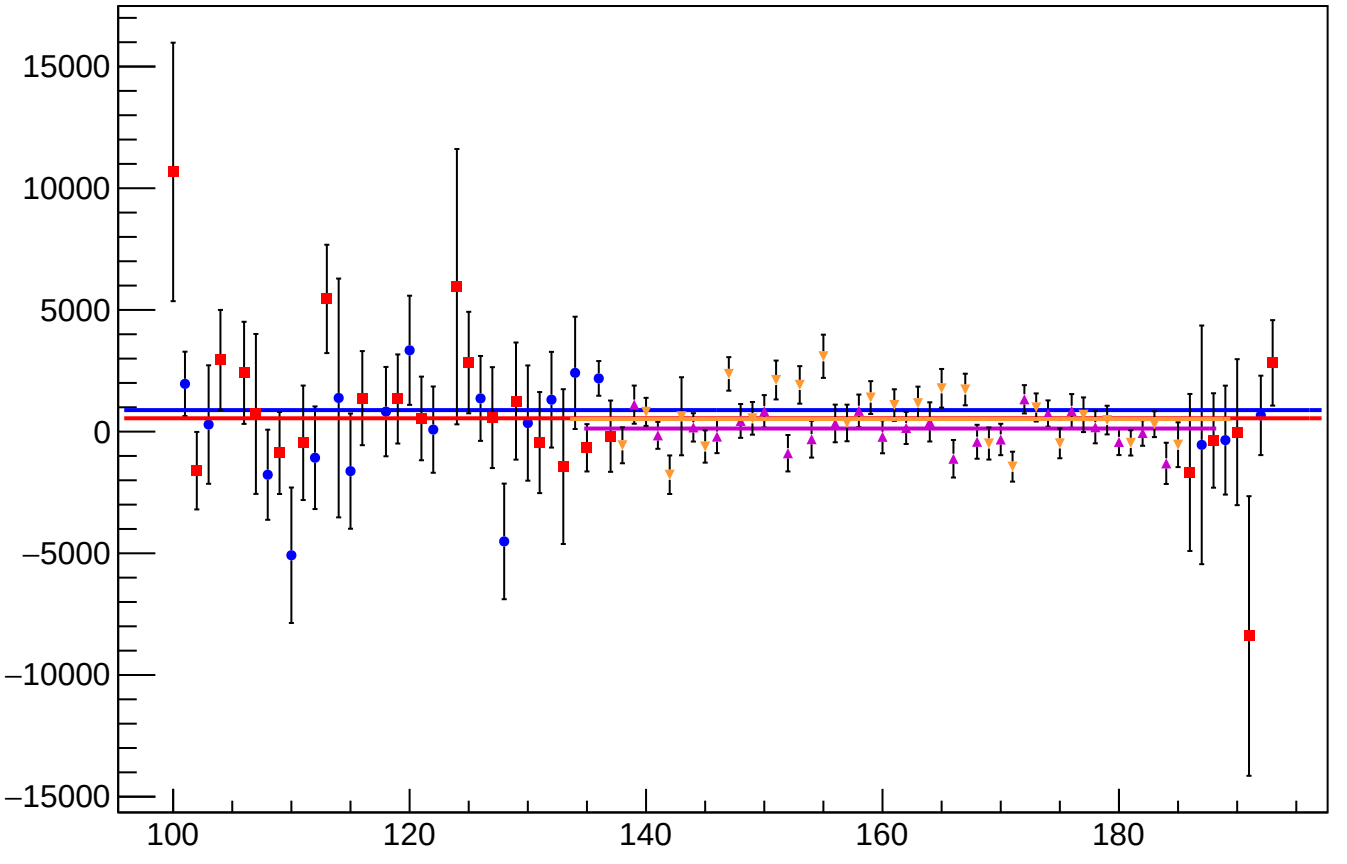
Right Out: 1288.799+/-0.294 χ^2/NDF: 473993.3/23

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729381.7/43

All: 1251.457+/-0.118 χ^2/NDF: 1266318.9/90

- sign 1251.605+/-0.168 χ^2/NDF: 536935.6/46



Right In: 883.994+/-403.698 χ^2/NDF: 20.3/18

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

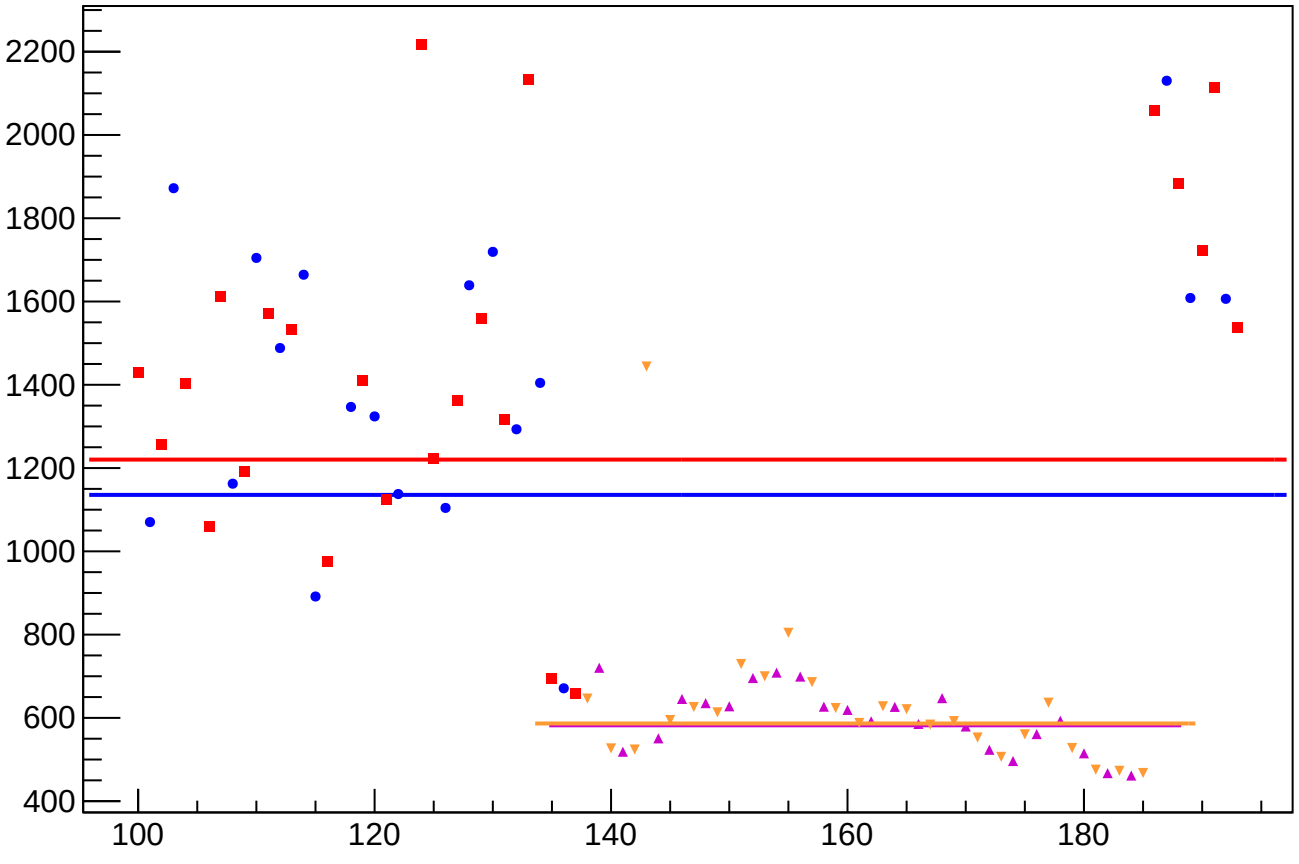
Right Out: 547.839+/-409.099 χ^2/NDF: 23.2/23

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 554.111+/-128.668 χ^2/NDF: 88.1/43

All: 363.829+/-91.496 χ^2/NDF: 138.2/90

\- sign 169.179+/-130.136 χ^2/NDF: 45.7/46



Right In: 1135.578+/-0.285 χ^2/NDF: 1852278.2/18

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

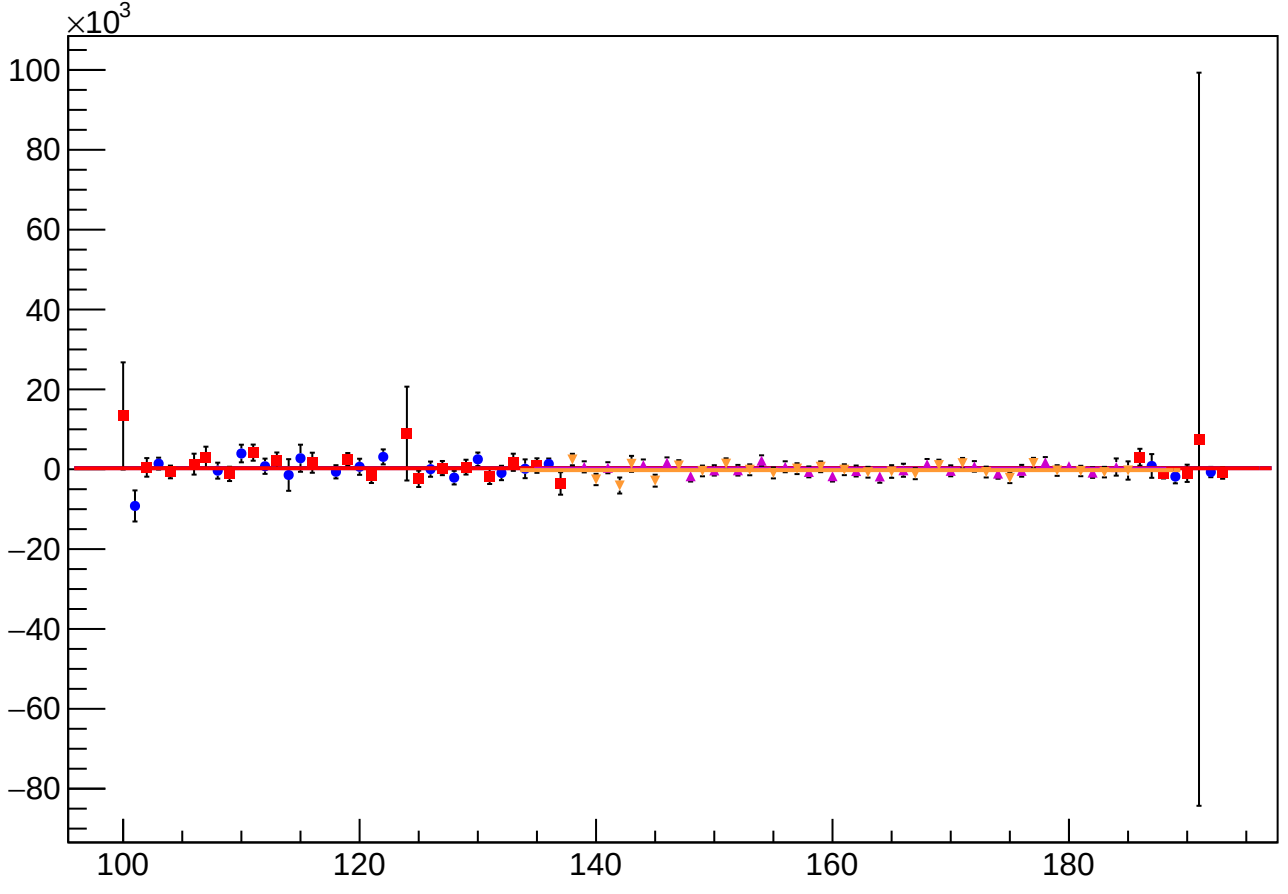
Right Out: 1220.339+/-0.289 χ^2/NDF: 1903026.4/23

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 642.333+/-0.091 χ^2/NDF: 6378364.6/43

All: 644.523+/-0.065 χ^2/NDF: 13215900.2/90

- sign 646.763+/-0.092 χ^2/NDF: 6836363.9/46



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: 247.218+/-416.009 χ^2/NDF: 20.5/23

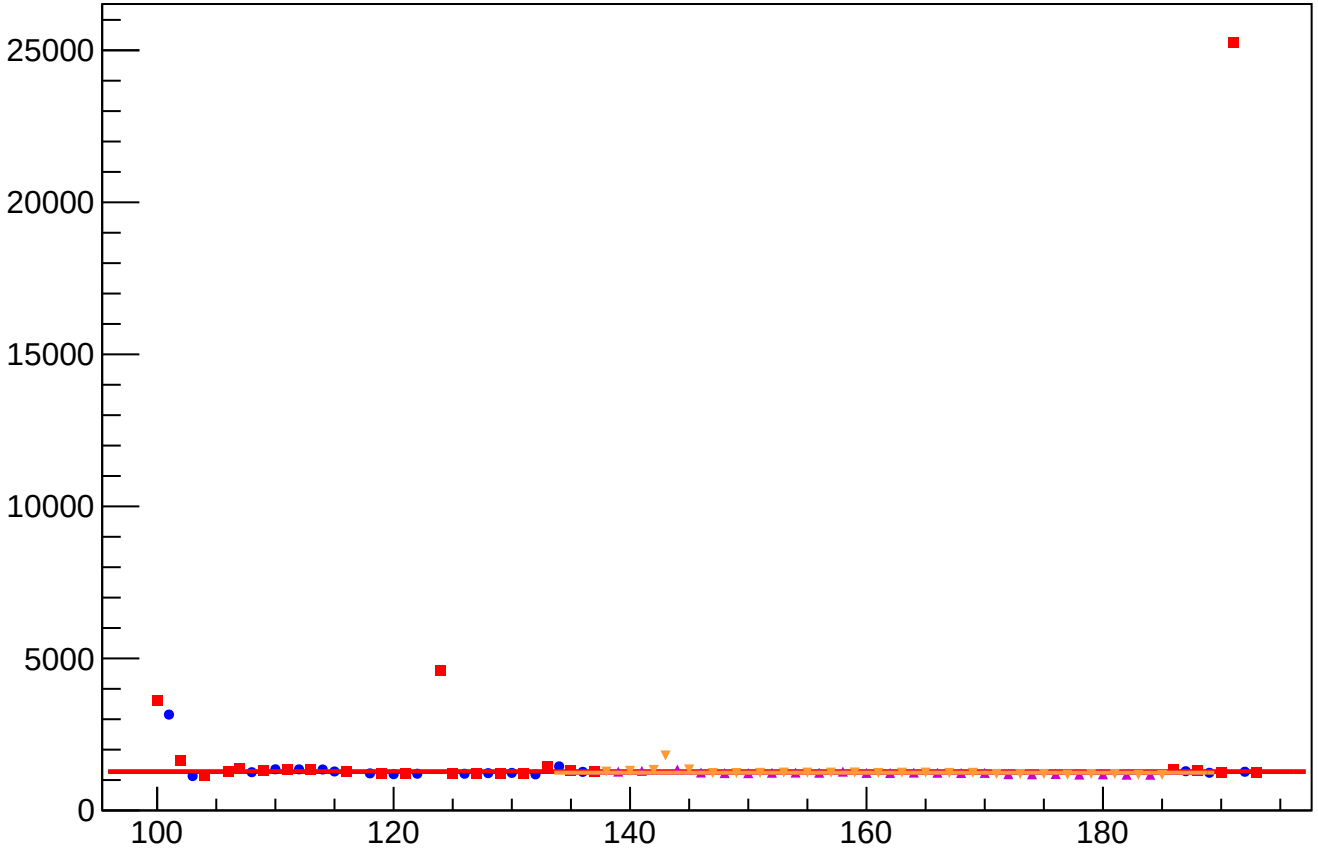
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -66.985+/-236.785 χ^2/NDF: 44.5/43

All: 37.780+/-167.478 χ^2/NDF: 80.2/90

- sign 142.659+/-236.914 χ^2/NDF: 35.3/46

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

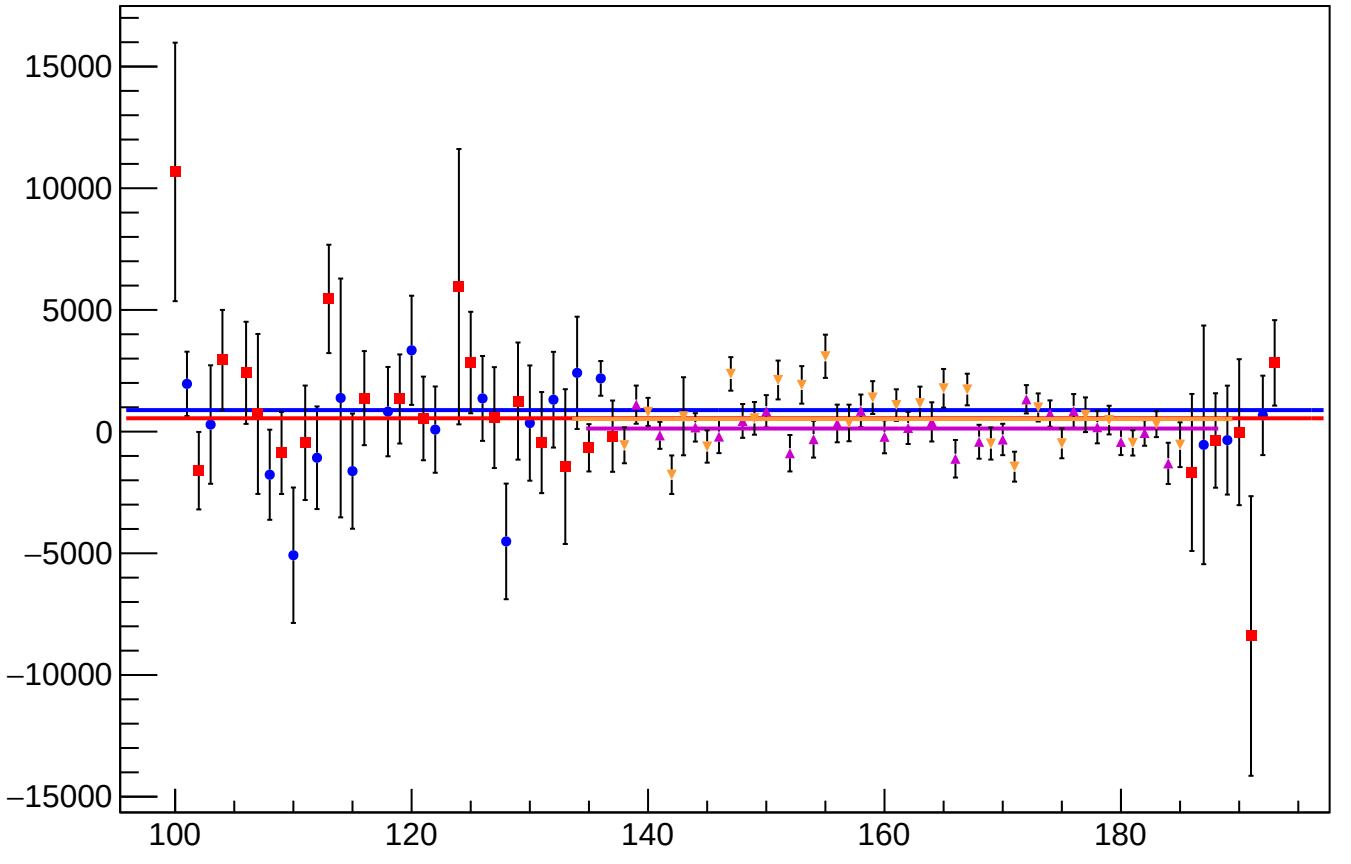
Right Out: 1288.799+/-0.294 χ^2/NDF: 473993.3/23

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729381.7/43

All: 1251.457+/-0.118 χ^2/NDF: 1266318.9/90

- sign 1251.605+/-0.168 χ^2/NDF: 536935.6/46



Right In: 883.994+/-403.698 χ^2/NDF: 20.3/18

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

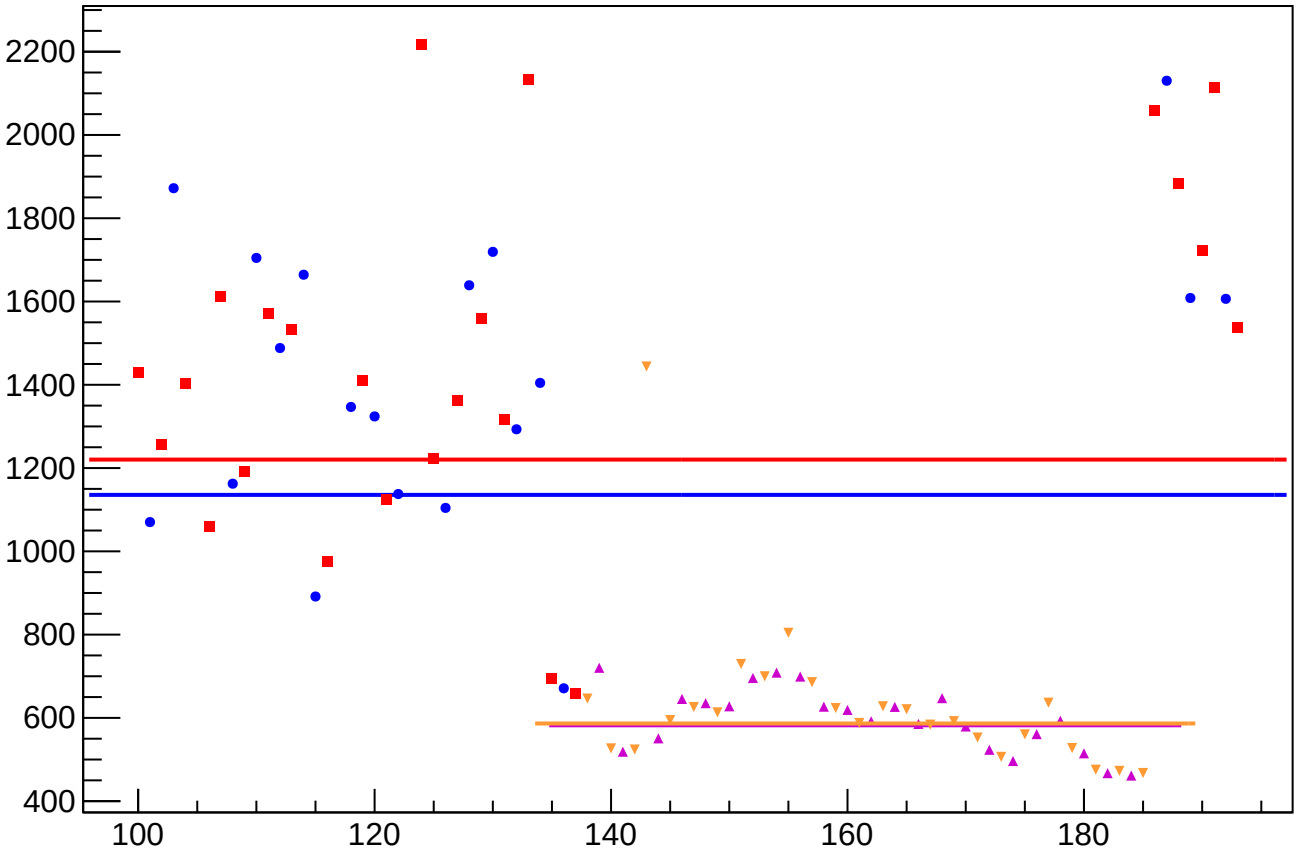
Right Out: 547.839+/-409.099 χ^2/NDF: 23.2/23

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 554.111+/-128.668 χ^2/NDF: 88.1/43

All: 363.829+/-91.496 χ^2/NDF: 138.2/90

\- sign 169.179+/-130.136 χ^2/NDF: 45.7/46



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: 1220.339+/-0.289 χ^2/NDF: 1903026.4/23

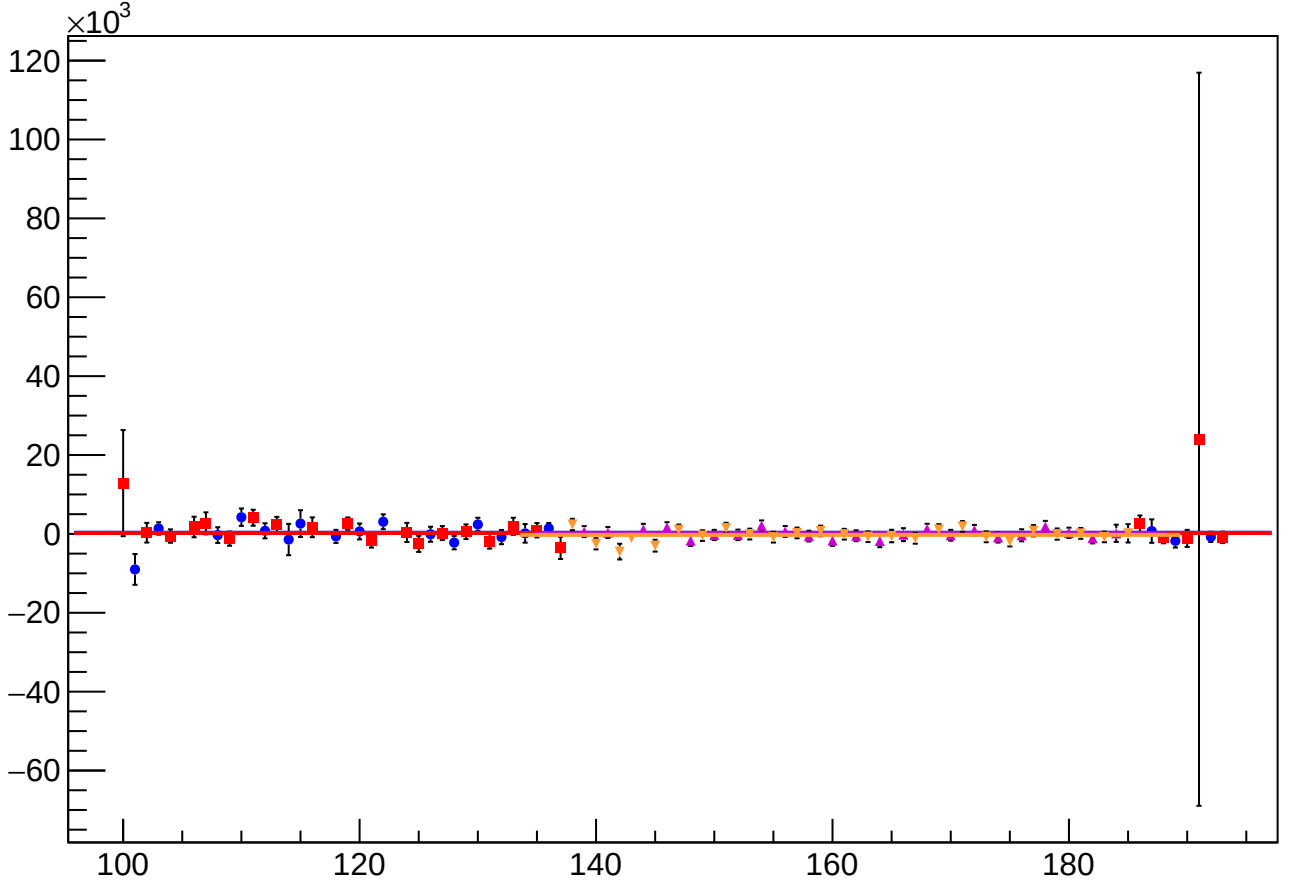
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 642.333+/-0.091 χ^2/NDF: 6378364.6/43

All: 644.523+/-0.065 χ^2/NDF: 13215900.2/90

- sign 646.763+/-0.092 χ^2/NDF: 6836363.9/46

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: 238.972+/-413.246 χ^2/NDF: 20.0/23

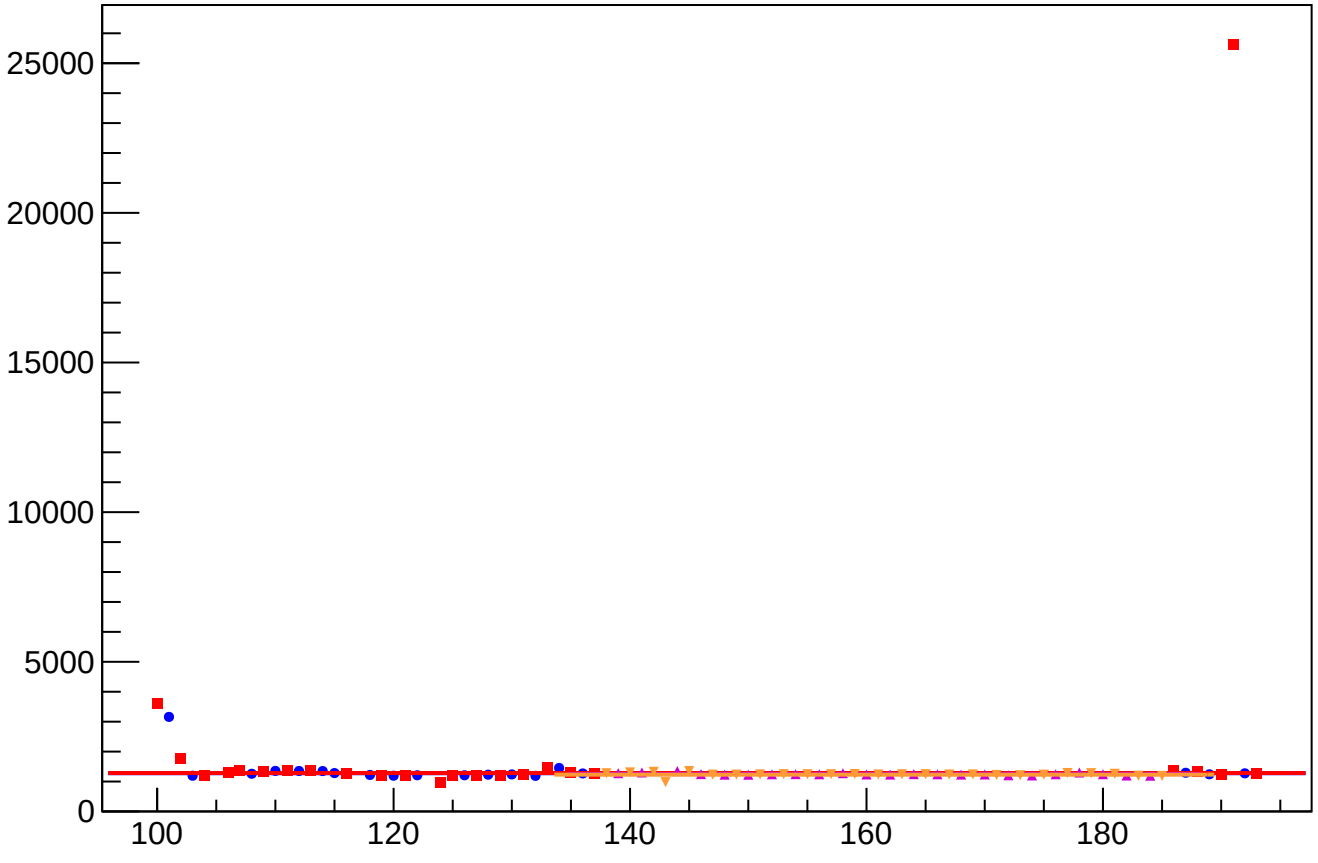
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -92.471+/-235.305 χ^2/NDF: 44.7/43

All: 17.114+/-167.393 χ^2/NDF: 79.3/90

- sign 129.391+/-238.178 χ^2/NDF: 34.1/46

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

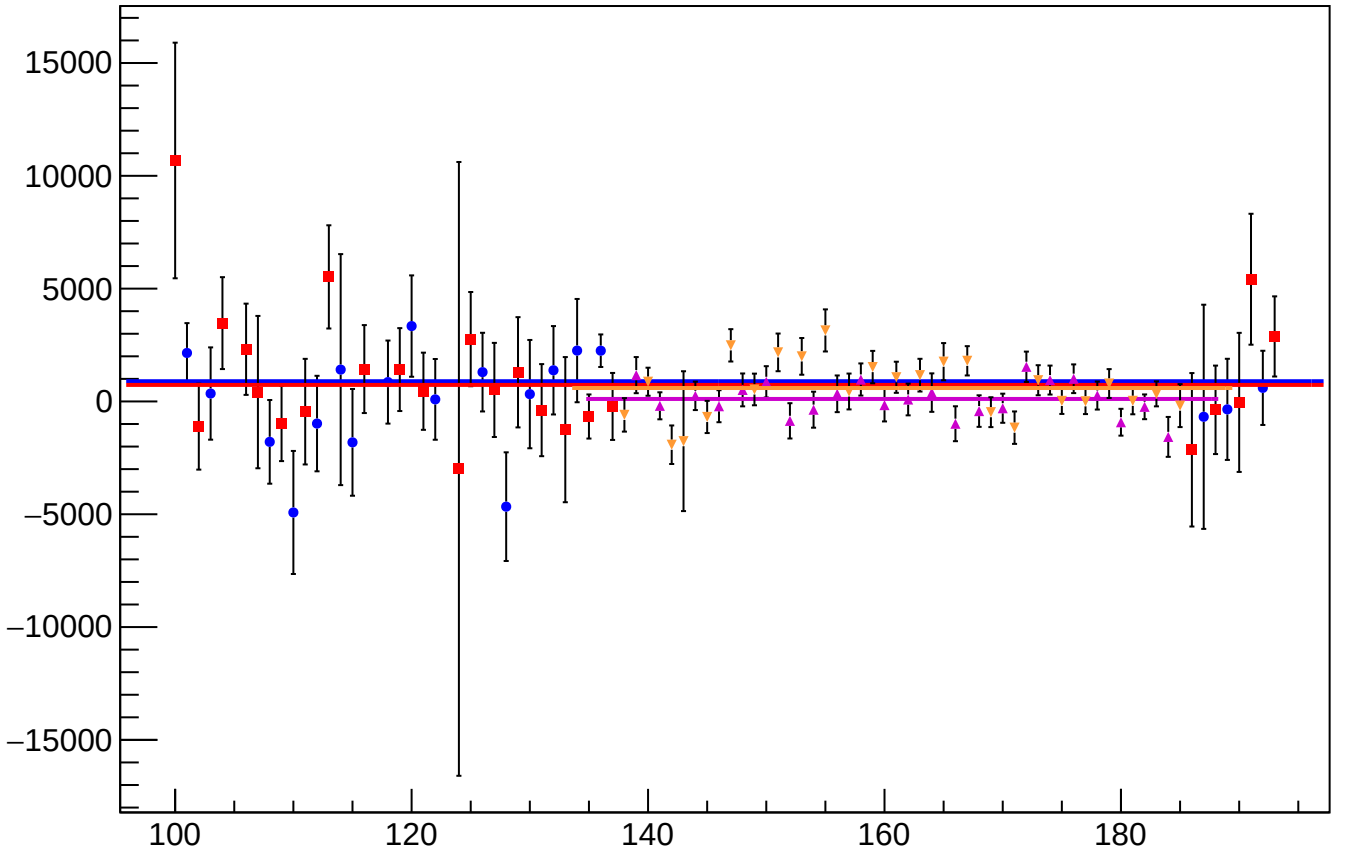
Right Out: 1283.420+/-0.292 χ^2/NDF: 368194.4/23

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1244.124+/-0.166 χ^2/NDF: 667170.7/43

All: 1251.780+/-0.118 χ^2/NDF: 1076923.0/90

- sign 1259.623+/-0.168 χ^2/NDF: 405466.8/46



Right In: 896.164+/-403.558 χ^2/NDF: 20.9/18

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

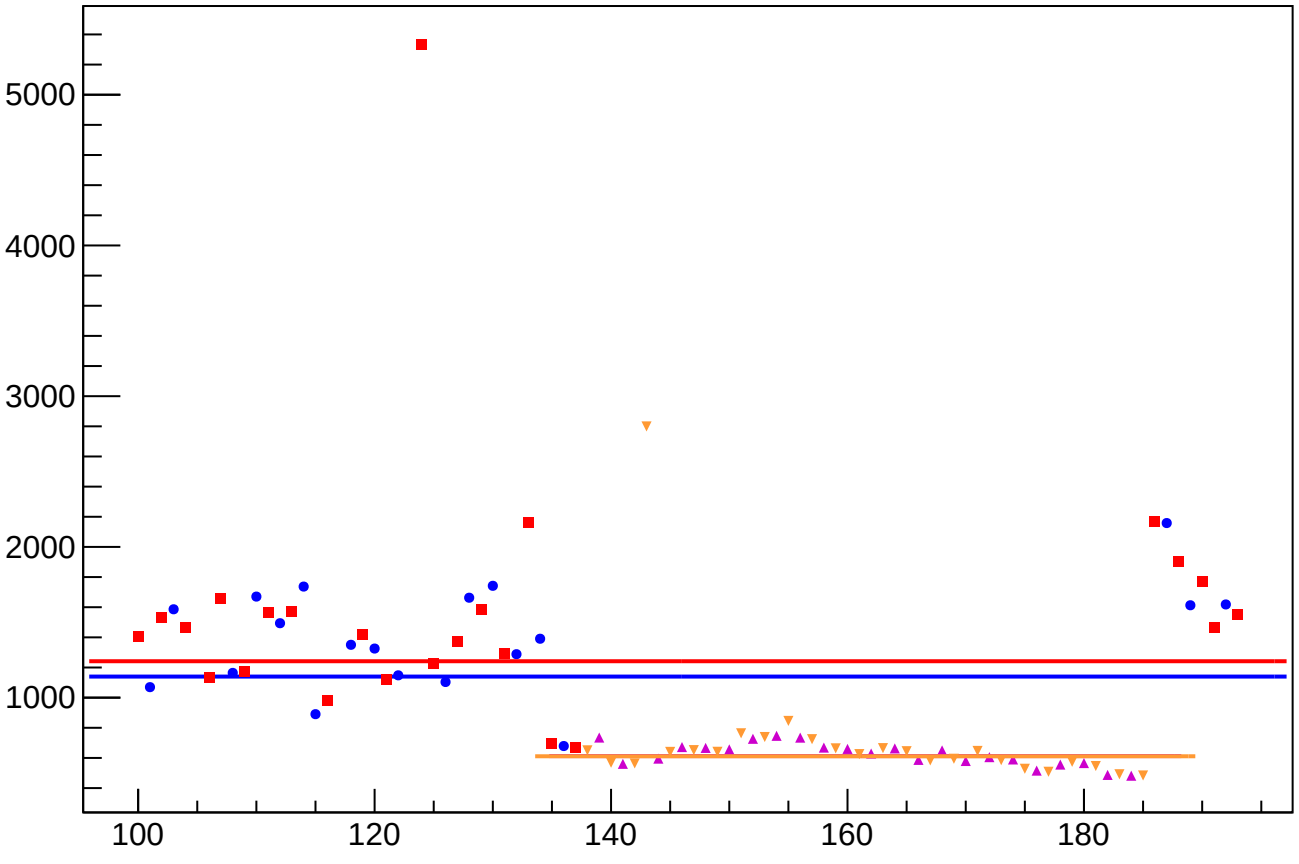
Right Out: 732.681+/-412.535 χ^2/NDF: 22.4/23

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

\+ sign 628.234+/-134.059 χ^2/NDF: 78.7/43

All: 406.626+/-95.525 χ^2/NDF: 134.4/90

\- sign 178.049+/-136.151 χ^2/NDF: 50.1/46



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: 1241.617+/-0.292 χ^2/NDF: 2071993.3/23

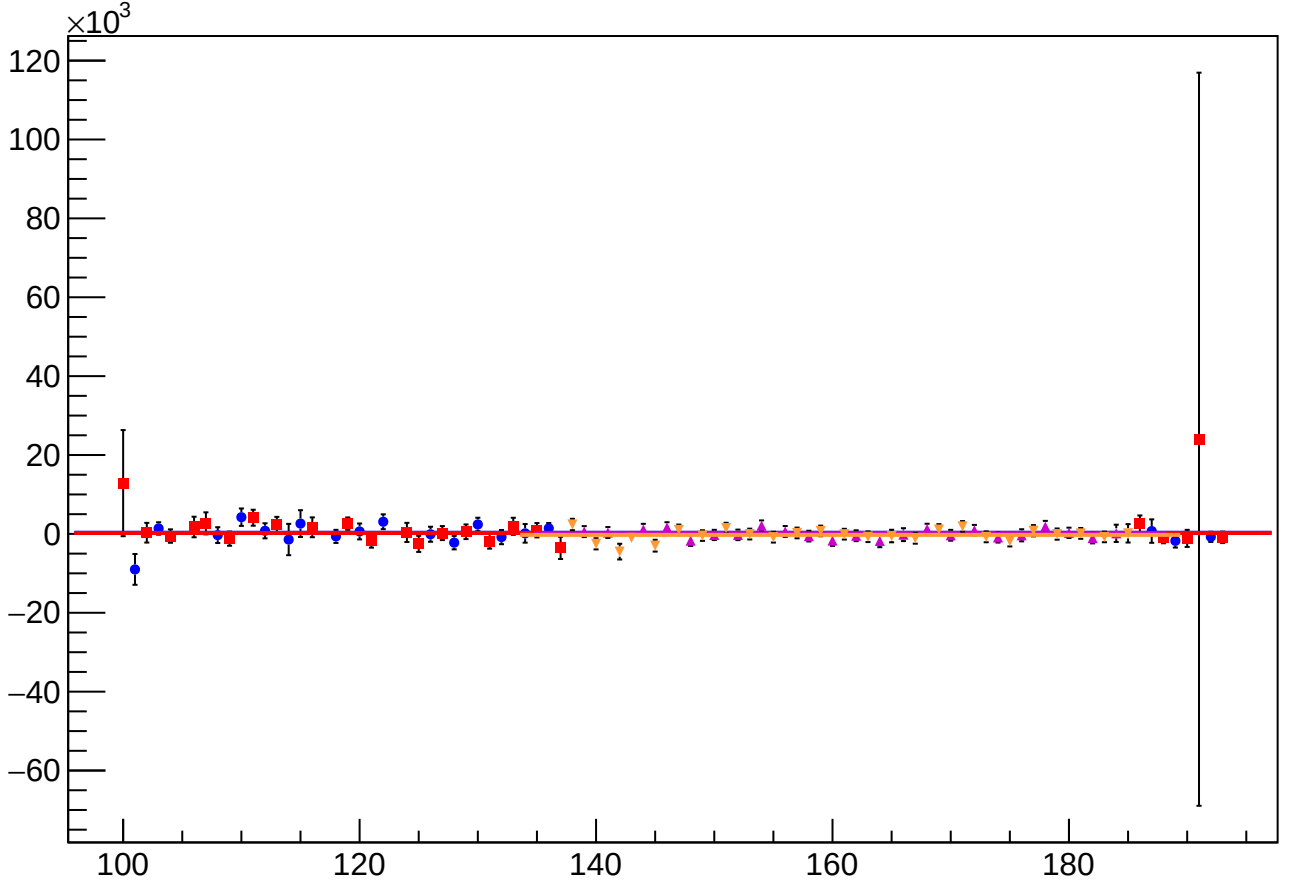
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 669.435+/-0.095 χ^2/NDF: 6411881.9/43

All: 675.096+/-0.068 χ^2/NDF: 13145691.5/90

- sign 680.935+/-0.096 χ^2/NDF: 6726564.9/46

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



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: 238.971+/-413.246 χ^2/NDF: 20.0/23

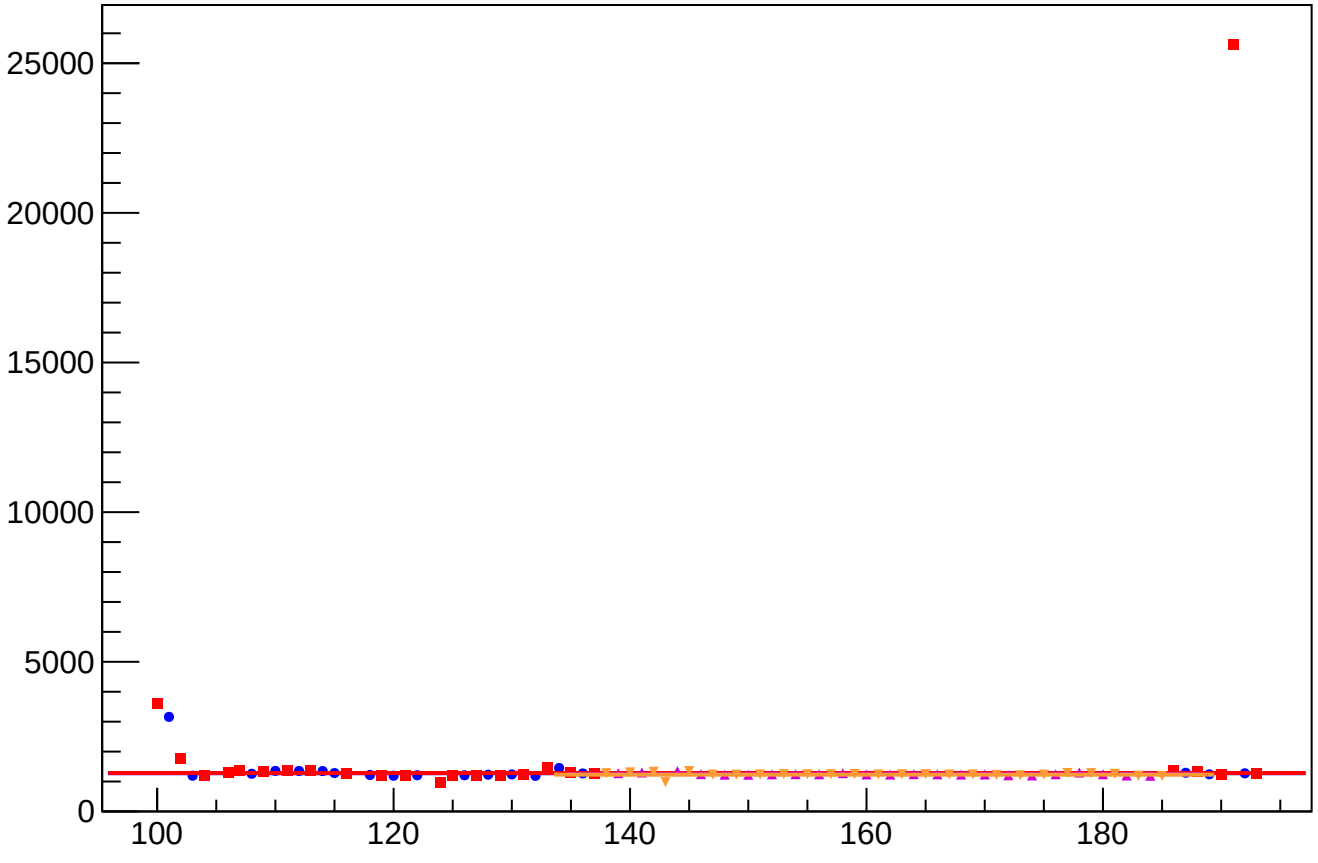
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -92.471+/-235.305 χ^2/NDF: 44.7/43

All: 17.113+/-167.393 χ^2/NDF: 79.3/90

- sign 129.390+/-238.178 χ^2/NDF: 34.1/46

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

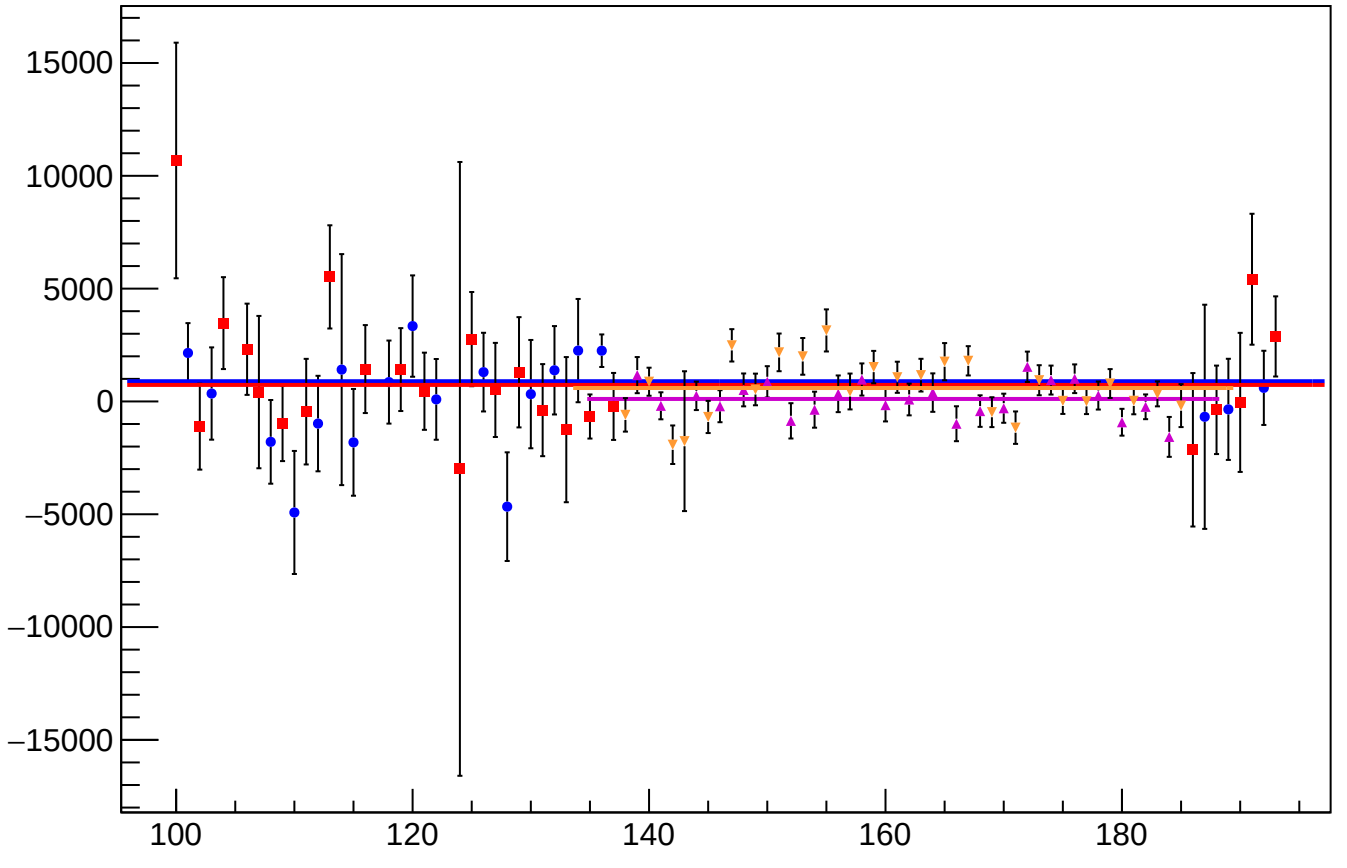
Right Out: 1283.420+/-0.292 χ^2/NDF: 368194.4/23

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1244.124+/-0.166 χ^2/NDF: 667169.8/43

All: 1251.779+/-0.118 χ^2/NDF: 1076922.1/90

- sign 1259.623+/-0.168 χ^2/NDF: 405466.7/46



Right In: 896.158+/-403.560 χ^2/NDF: 20.9/18

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

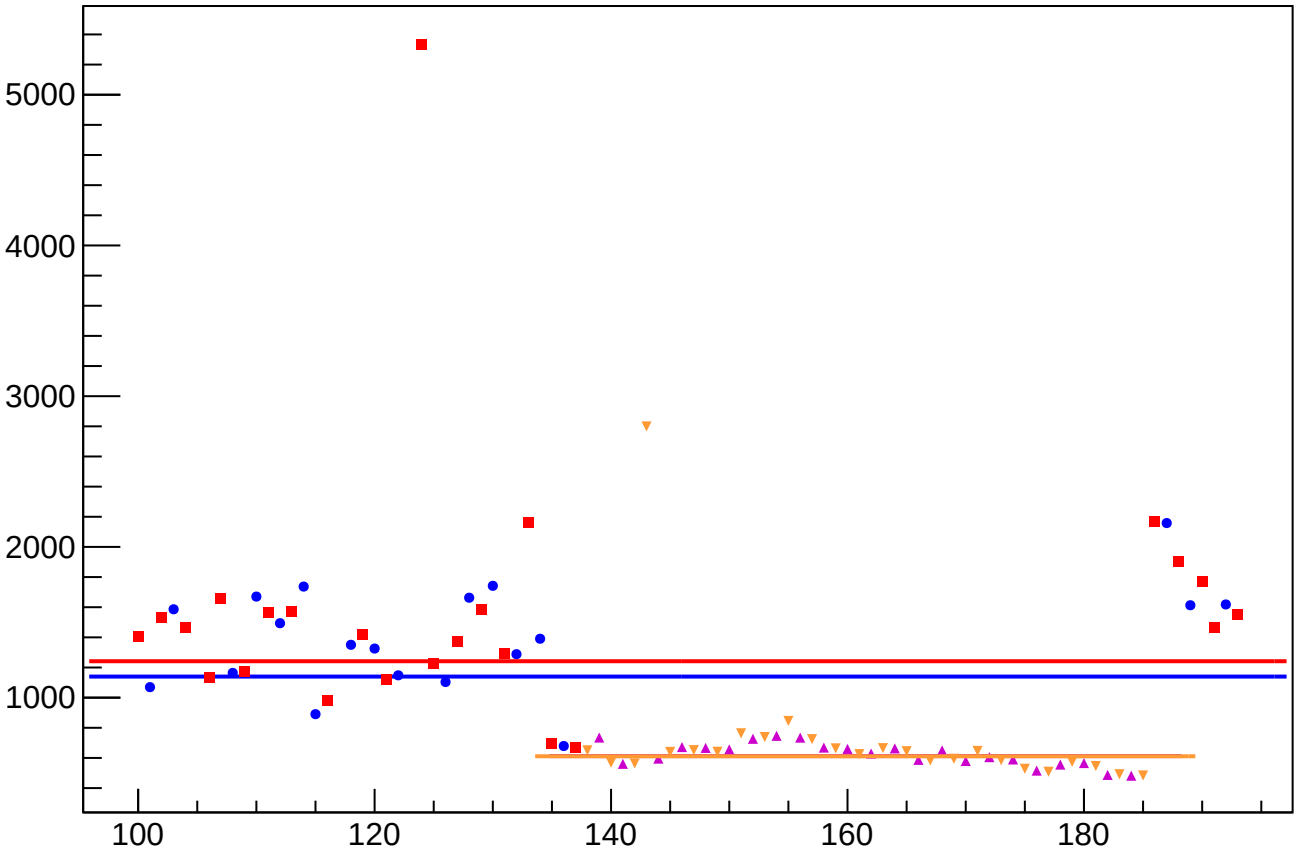
Right Out: 732.692+/-412.536 χ^2/NDF: 22.4/23

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

\+ sign 628.233+/-134.059 χ^2/NDF: 78.7/43

All: 406.625+/-95.525 χ^2/NDF: 134.4/90

\- sign 178.049+/-136.151 χ^2/NDF: 50.1/46



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: 1241.623+/-0.292 χ^2/NDF: 2071925.9/23

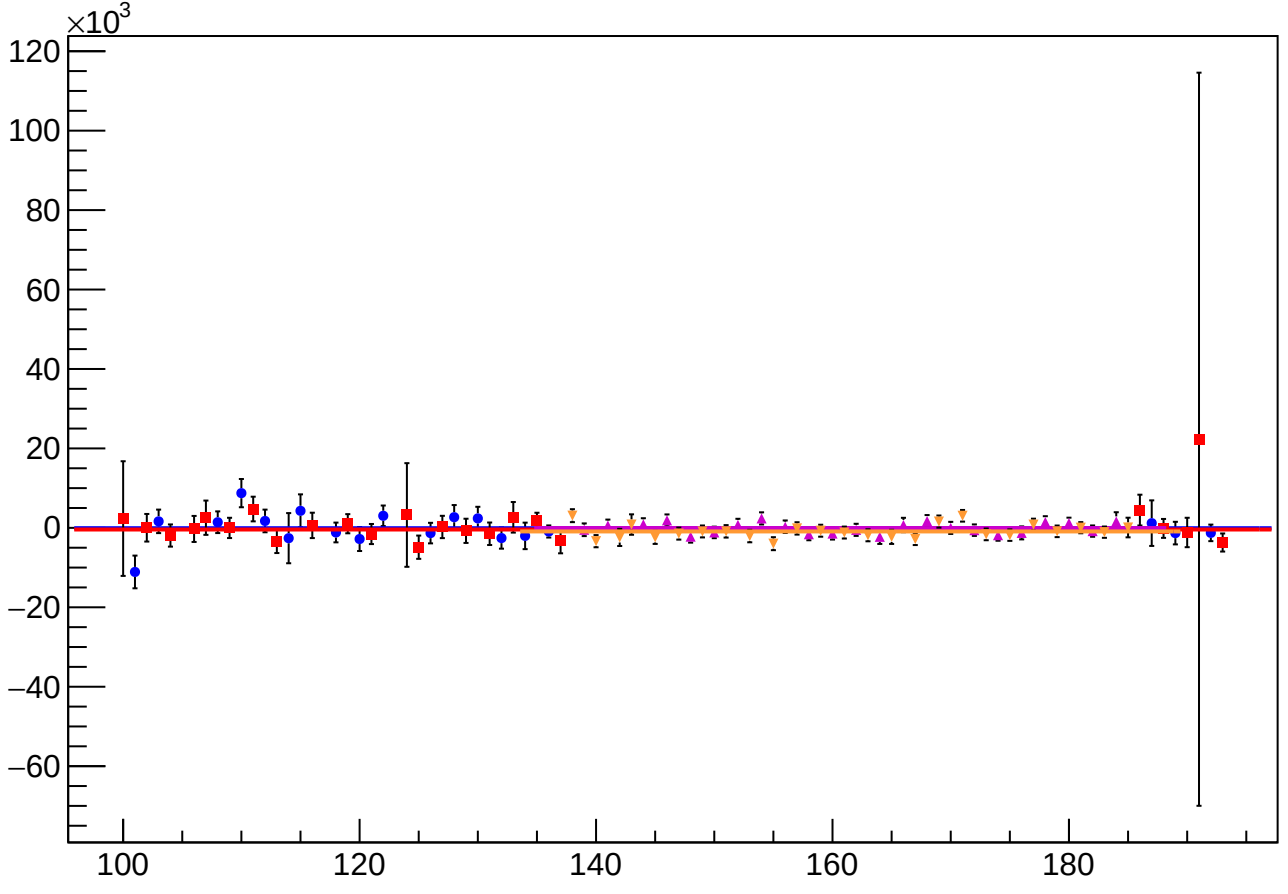
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

\+ sign 669.435+/-0.095 χ^2/NDF: 6411865.5/43

All: 675.096+/-0.068 χ^2/NDF: 13145679.9/90

\- sign 680.935+/-0.096 χ^2/NDF: 6726570.4/46

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: -415.079+/-626.000 χ^2/NDF: 14.2/23

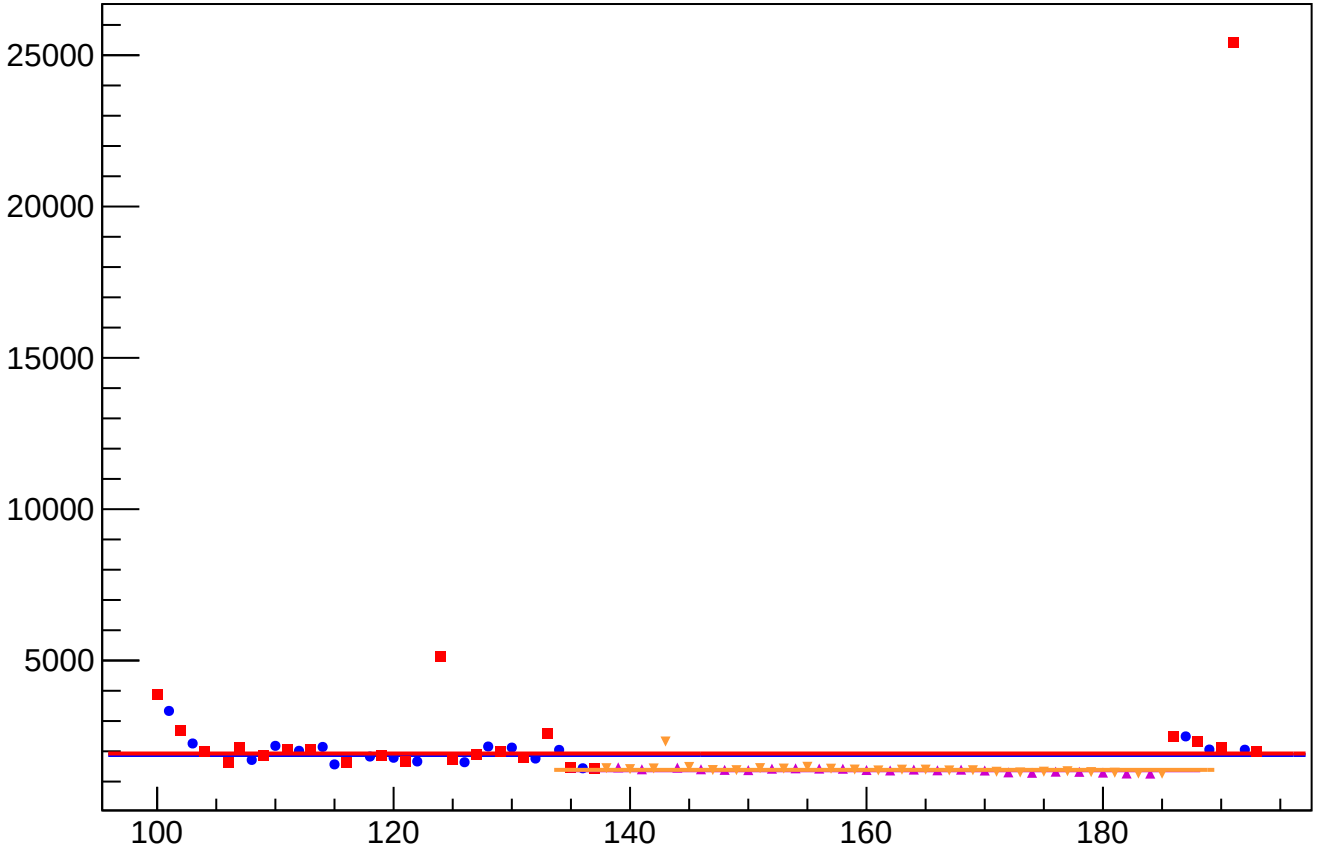
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -740.828+/-283.783 χ^2/NDF: 53.0/43

All: -434.635+/-201.299 χ^2/NDF: 87.7/90

- sign -124.539+/-285.586 χ^2/NDF: 32.3/46

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

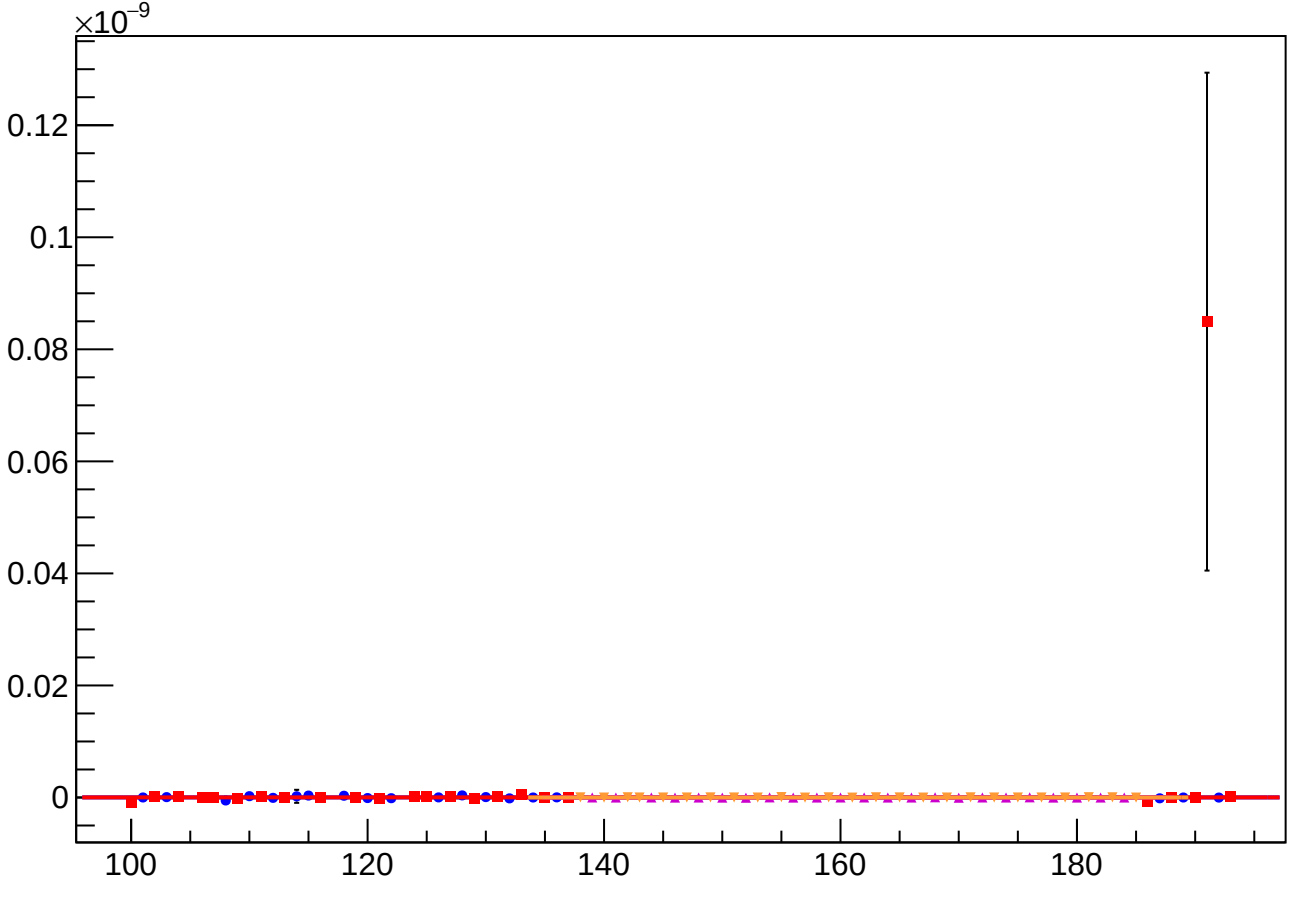
Right Out: 1927.382+/-0.443 χ^2/NDF: 776215.3/23

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1483.135+/-0.201 χ^2/NDF: 1893441.2/43

All: 1485.828+/-0.142 χ^2/NDF: 3975634.9/90

- sign 1488.554+/-0.202 χ^2/NDF: 2081831.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

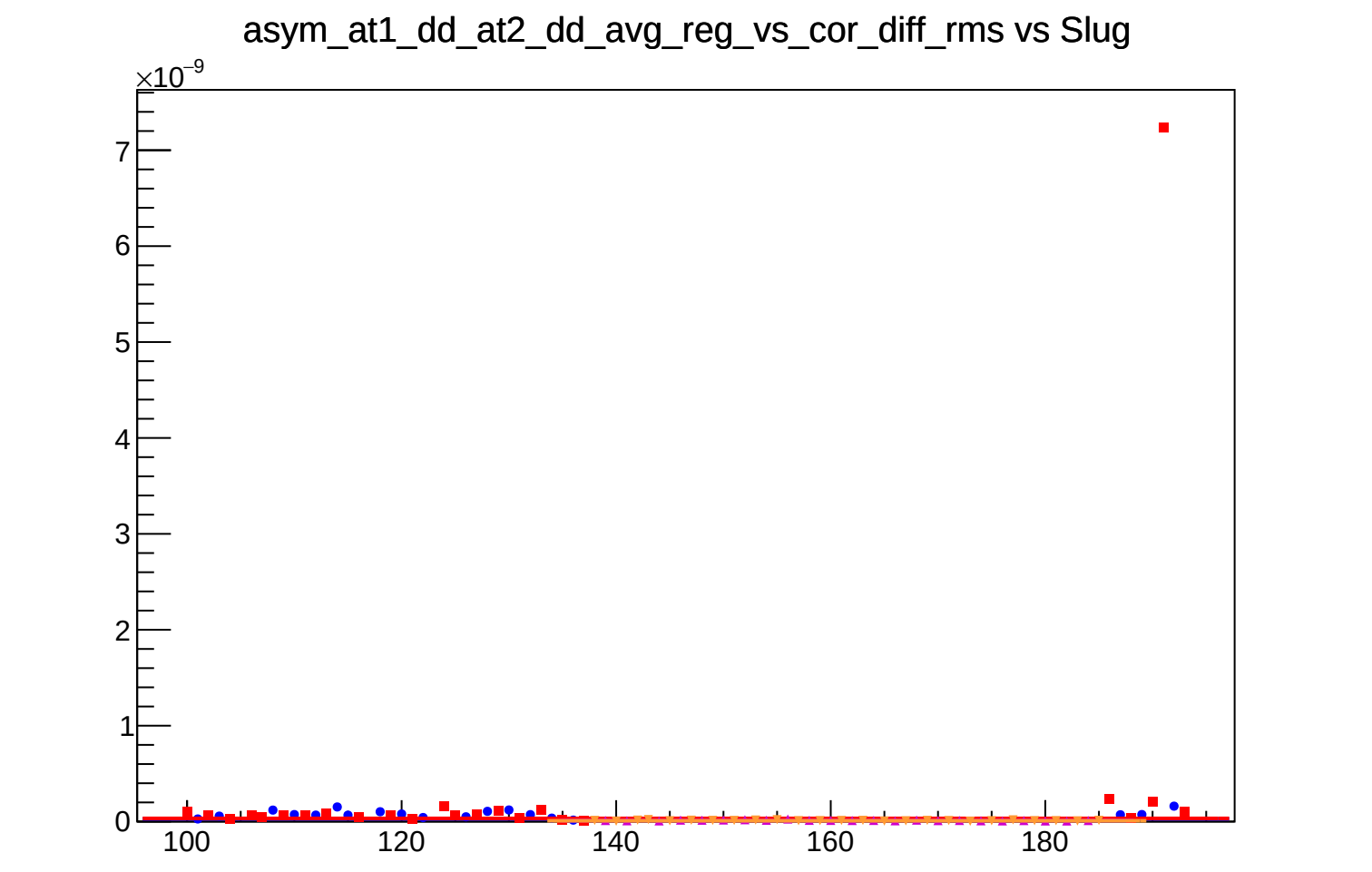
Right Out: 0.000+/-0.000 χ^2/NDF: 35.0/23

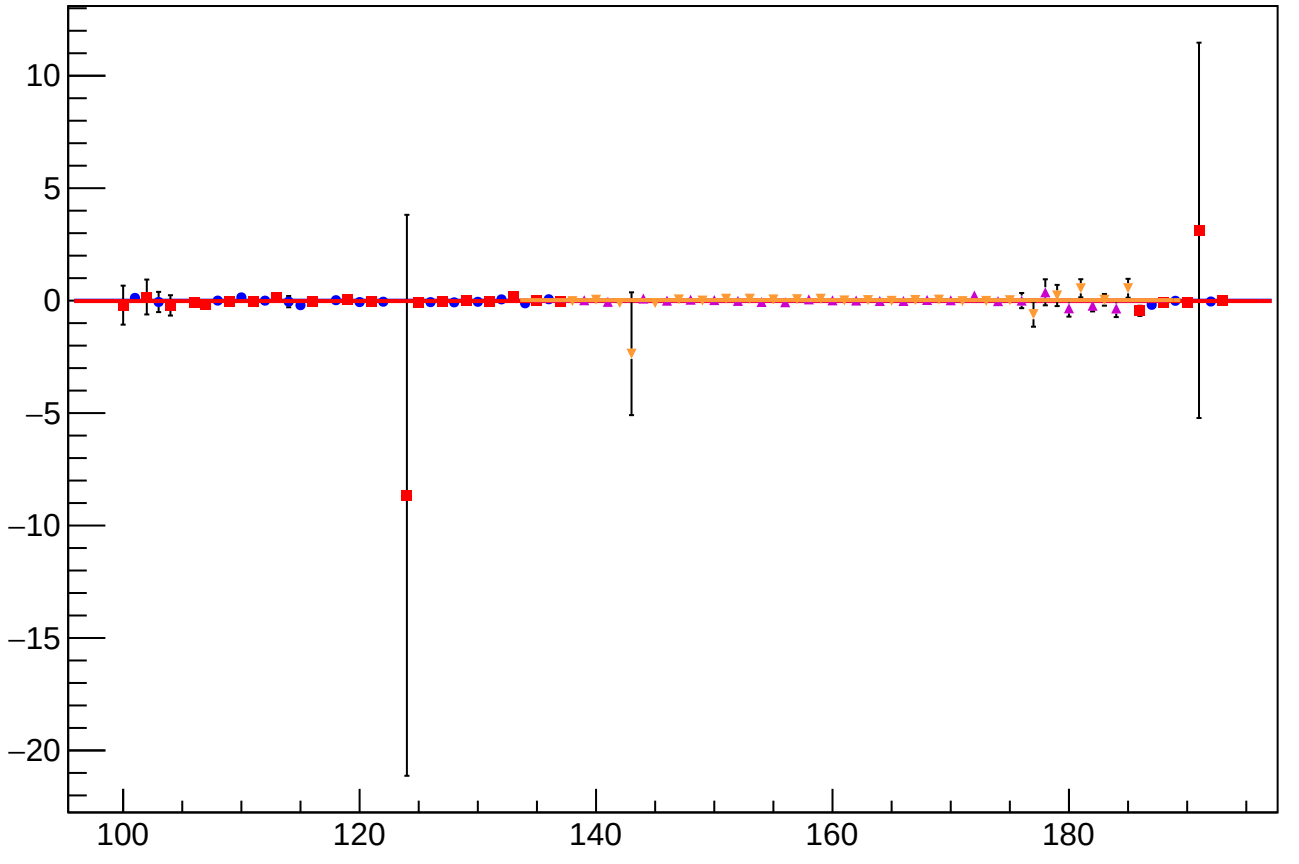
Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/43

All: 0.000+/-0.000 χ^2/NDF: 92.6/90

- sign -0.000+/-0.000 χ^2/NDF: 49.4/46


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3386043.3/18
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 3241743.3/23
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
+ sign 0.000+/-0.000 χ²/NDF: 7708858.8/43
All: 0.000+/-0.000 χ²/NDF: 14722705.2/90
- sign 0.000+/-0.000 χ²/NDF: 6749378.1/46



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: -0.020+/-0.014 χ^2/NDF: 19.8/23

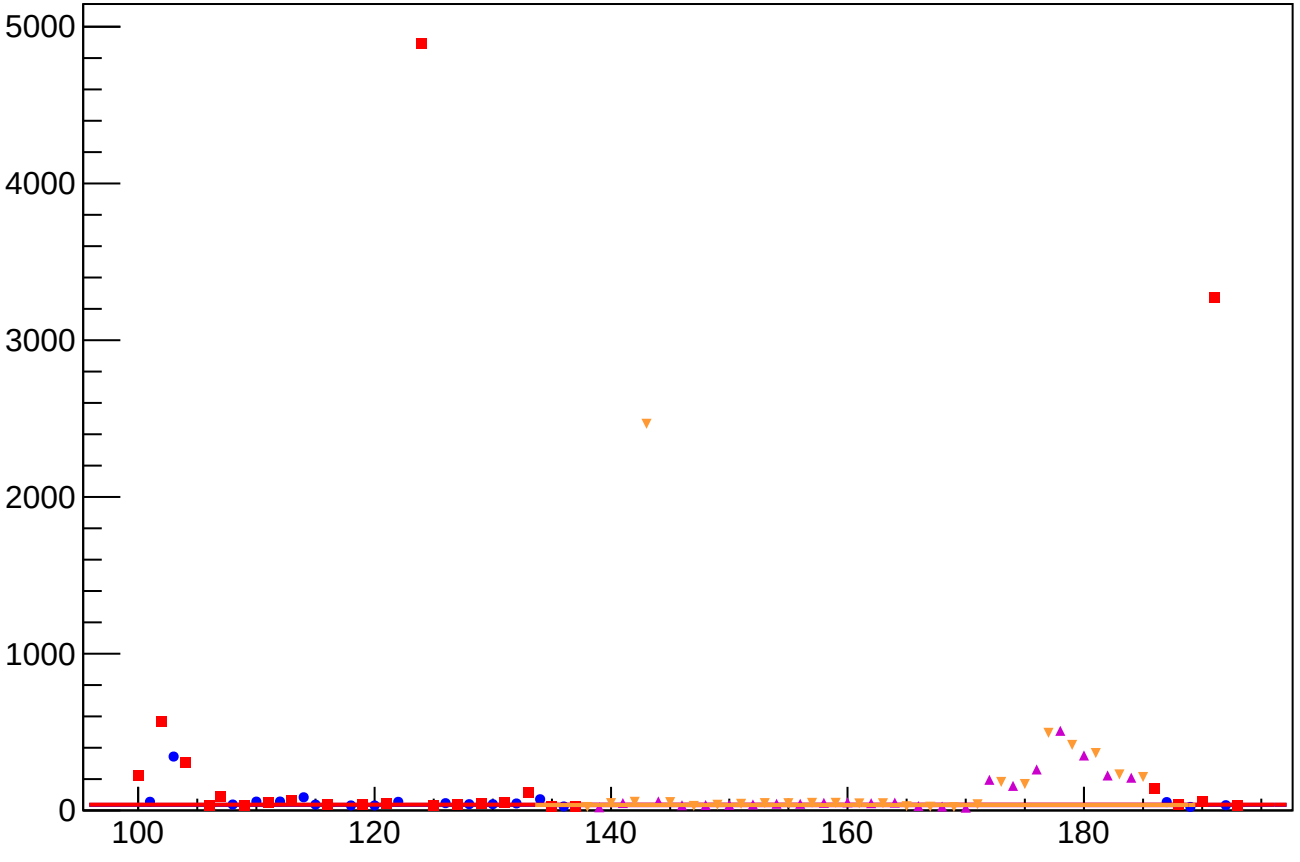
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.9/90

- sign -0.000+/-0.008 χ^2/NDF: 37.6/46

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

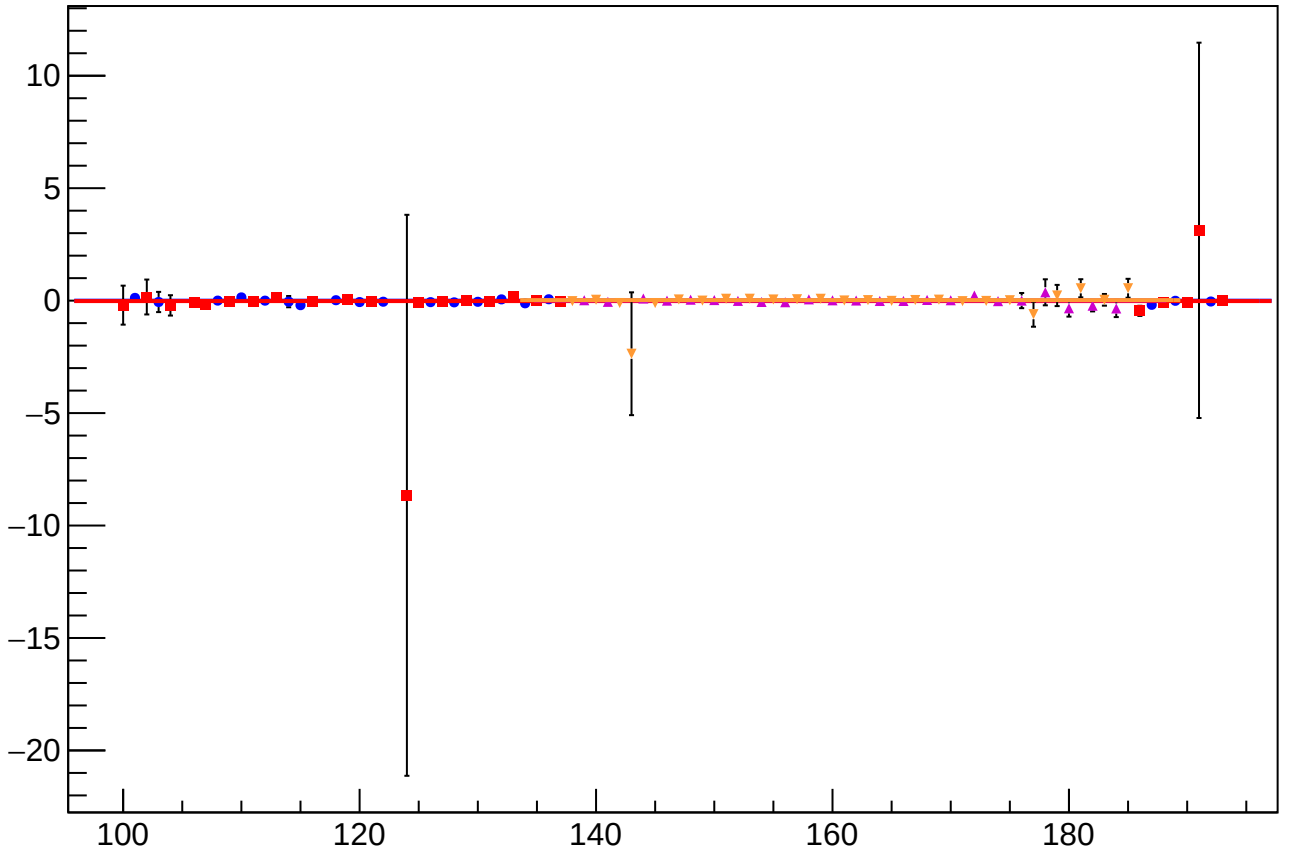
Right Out: 37.127+/-0.010 χ^2/NDF: 4026277.7/23

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.919+/-0.006 χ^2/NDF: 13666431.7/43

All: 34.835+/-0.004 χ^2/NDF: 27843534.2/90

\- sign 34.752+/-0.006 χ^2/NDF: 14176683.5/46



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

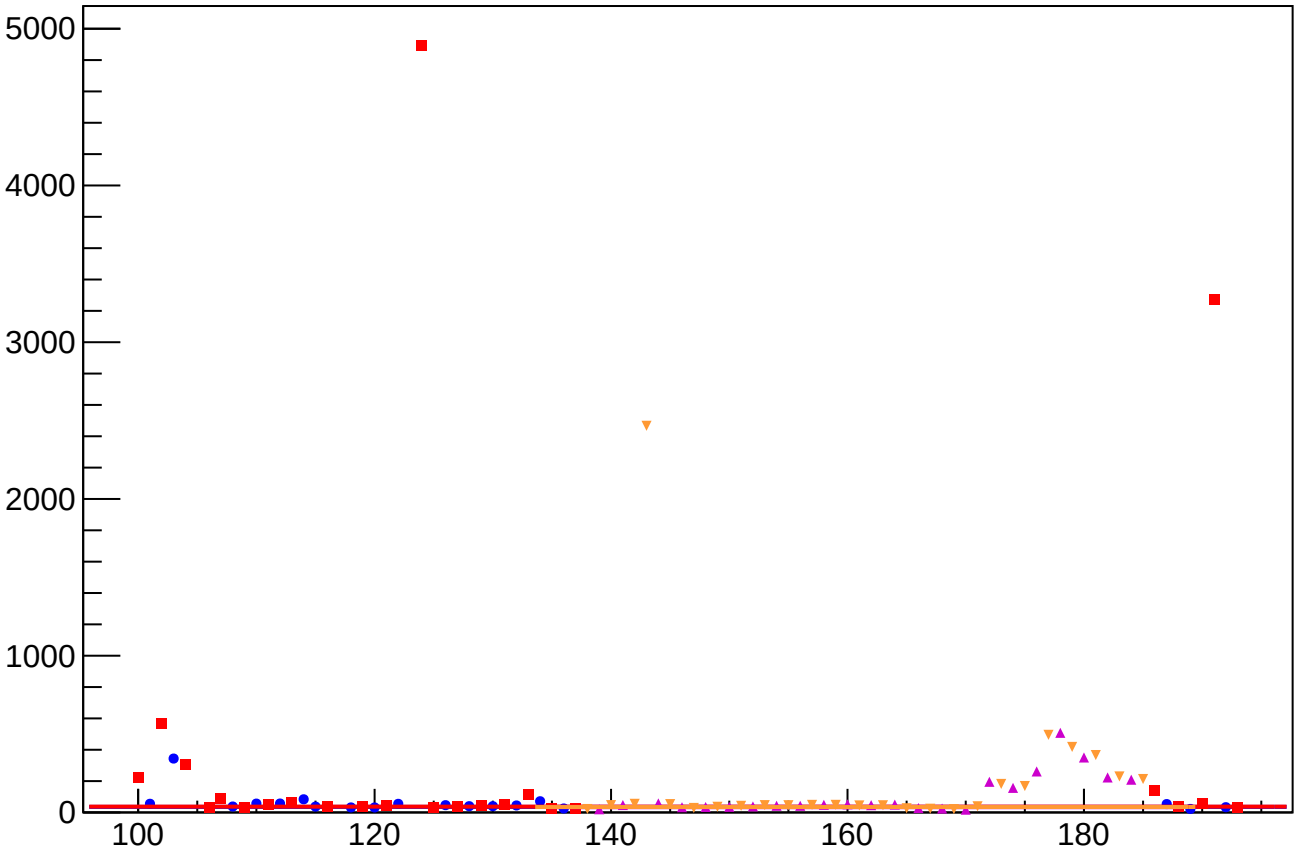
Right Out: -0.020+/-0.014 χ^2/NDF: 19.8/23

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: 86.9/90

- sign -0.000+/-0.008 χ^2/NDF: 37.6/46



Right In: 35.463+/-0.010 χ^2/NDF: 2259217.2/18

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

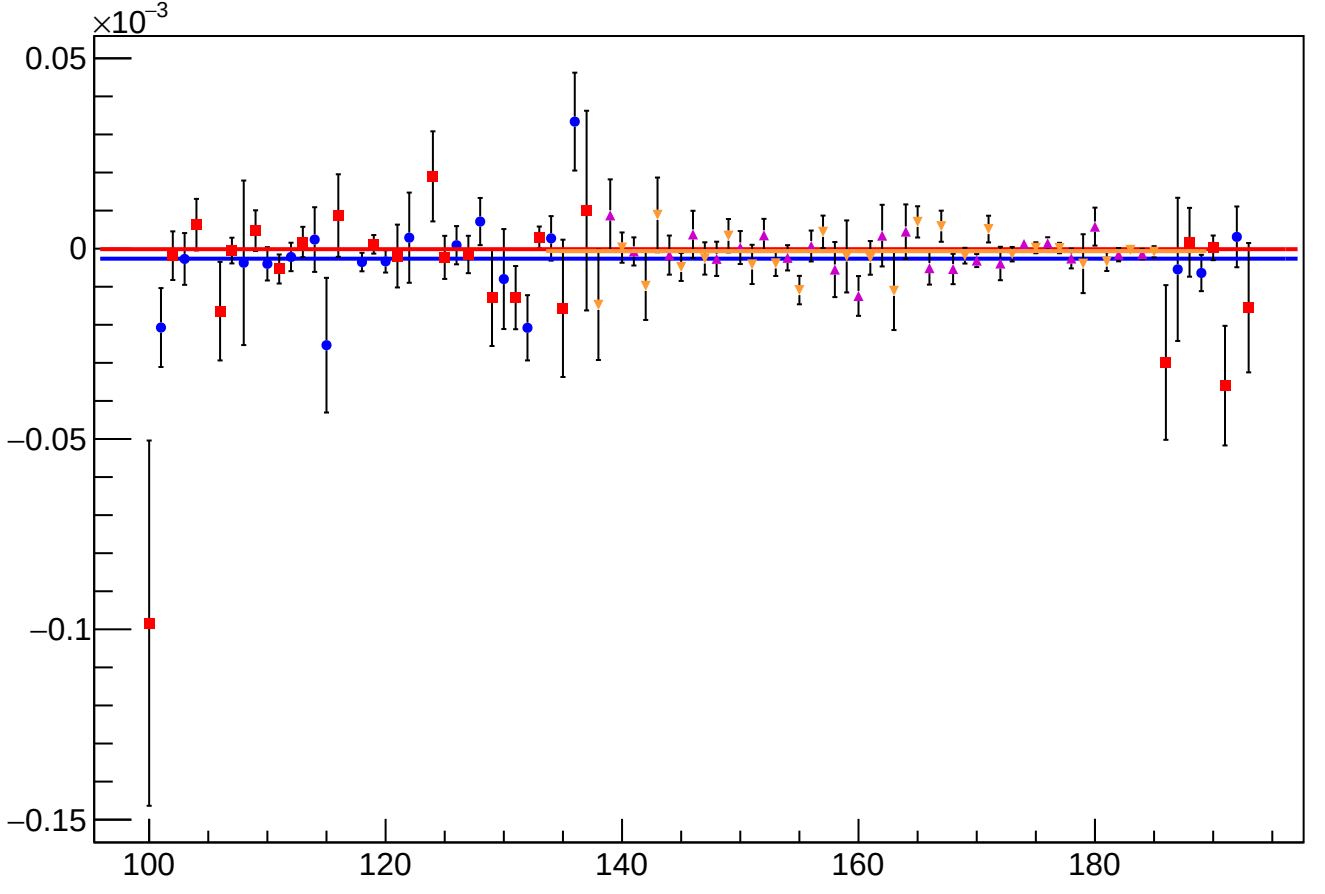
Right Out: 37.127+/-0.010 χ^2/NDF: 4026277.7/23

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.919+/-0.006 χ^2/NDF: 13666431.7/43

All: 34.835+/-0.004 χ^2/NDF: 27843534.2/90

\- sign 34.752+/-0.006 χ^2/NDF: 14176683.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

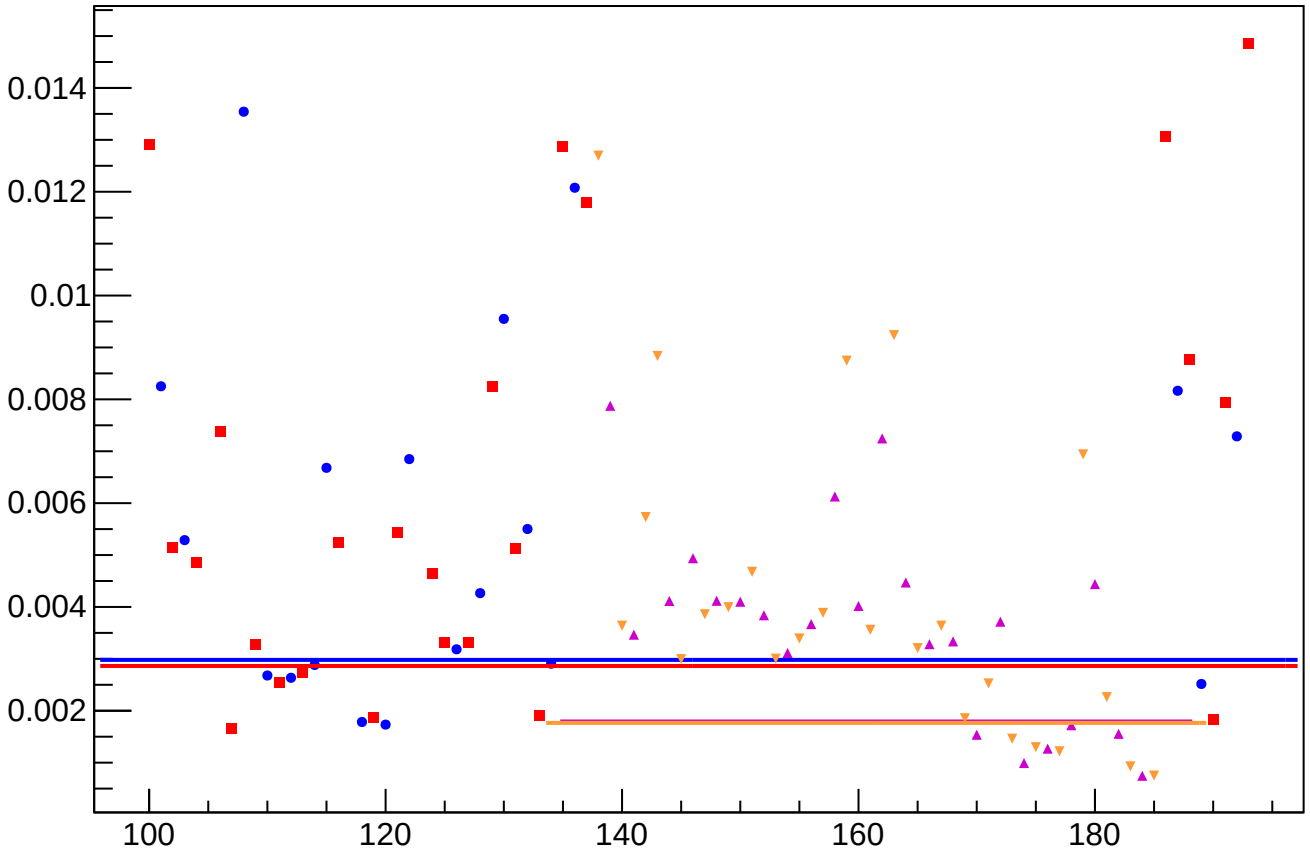
Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/23

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: 103.2/90

- sign -0.000+/-0.000 χ^2/NDF: 49.3/46



Right In: 0.003+/-0.000 χ^2/NDF: 4918690.9/18

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

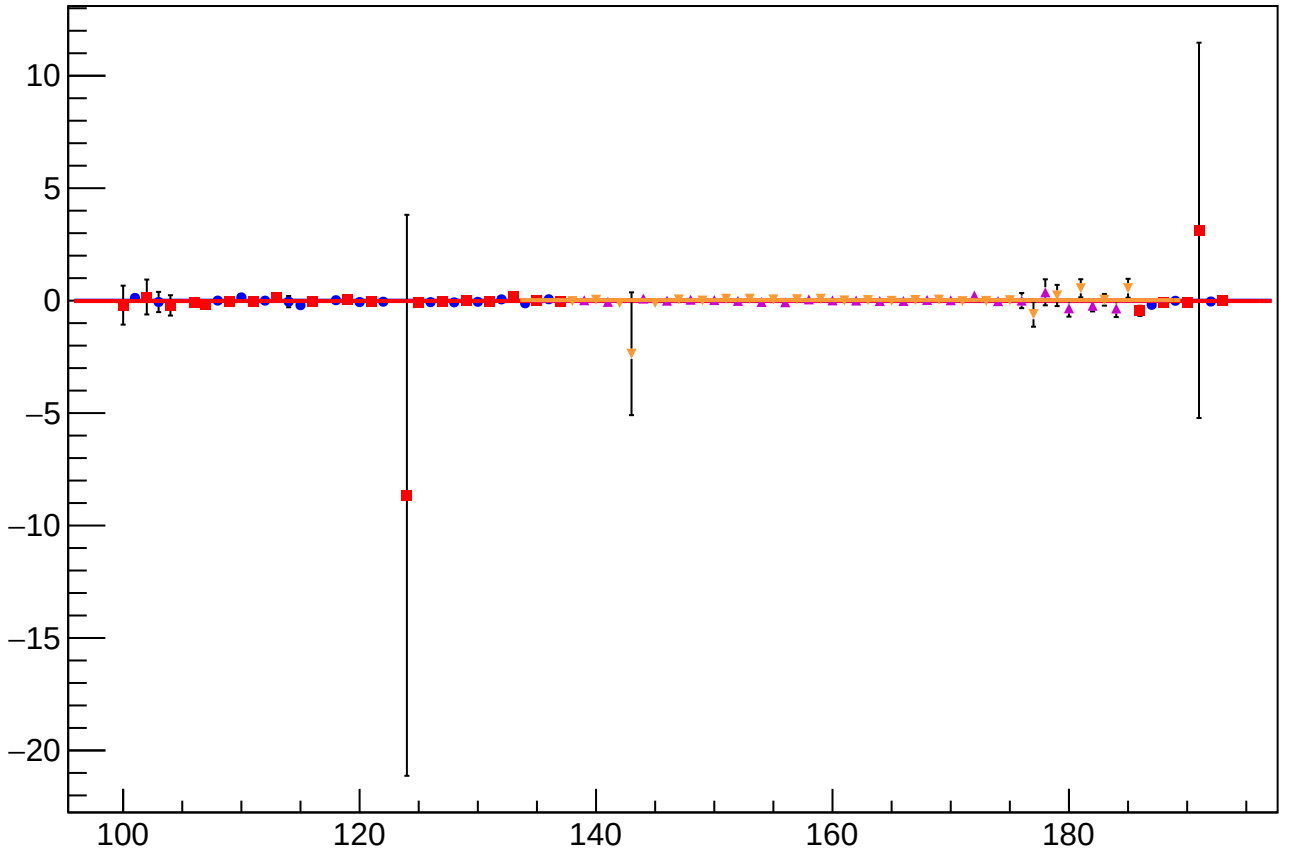
Right Out: 0.003+/-0.000 χ^2/NDF: 6089290.4/23

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: 37897459.9/90

- sign 0.002+/-0.000 χ^2/NDF: 18399718.8/46



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

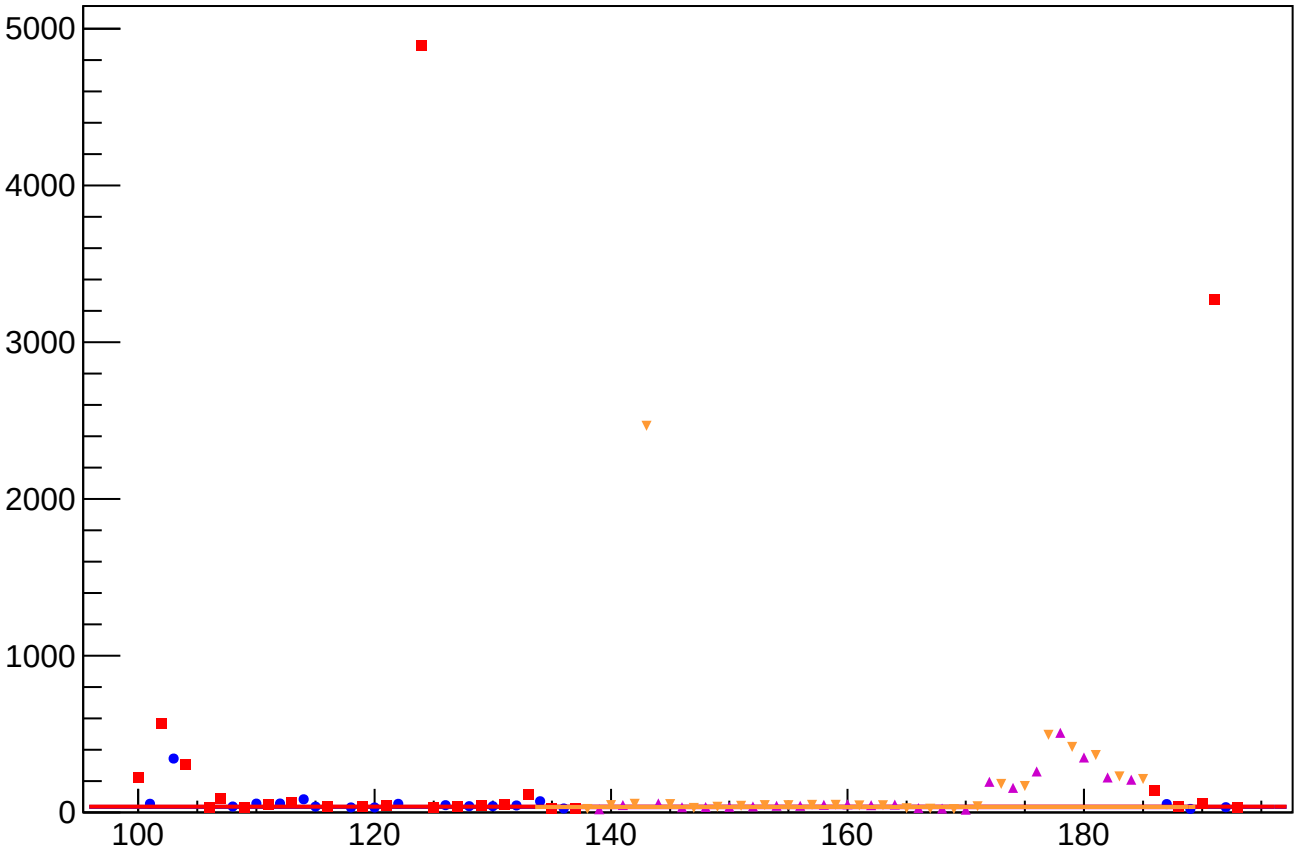
Right Out: -0.020+/-0.014 χ^2/NDF: 19.8/23

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: 86.9/90

- sign -0.000+/-0.008 χ^2/NDF: 37.6/46



Right In: 35.465+/-0.010 χ^2/NDF: 2258575.1/18

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

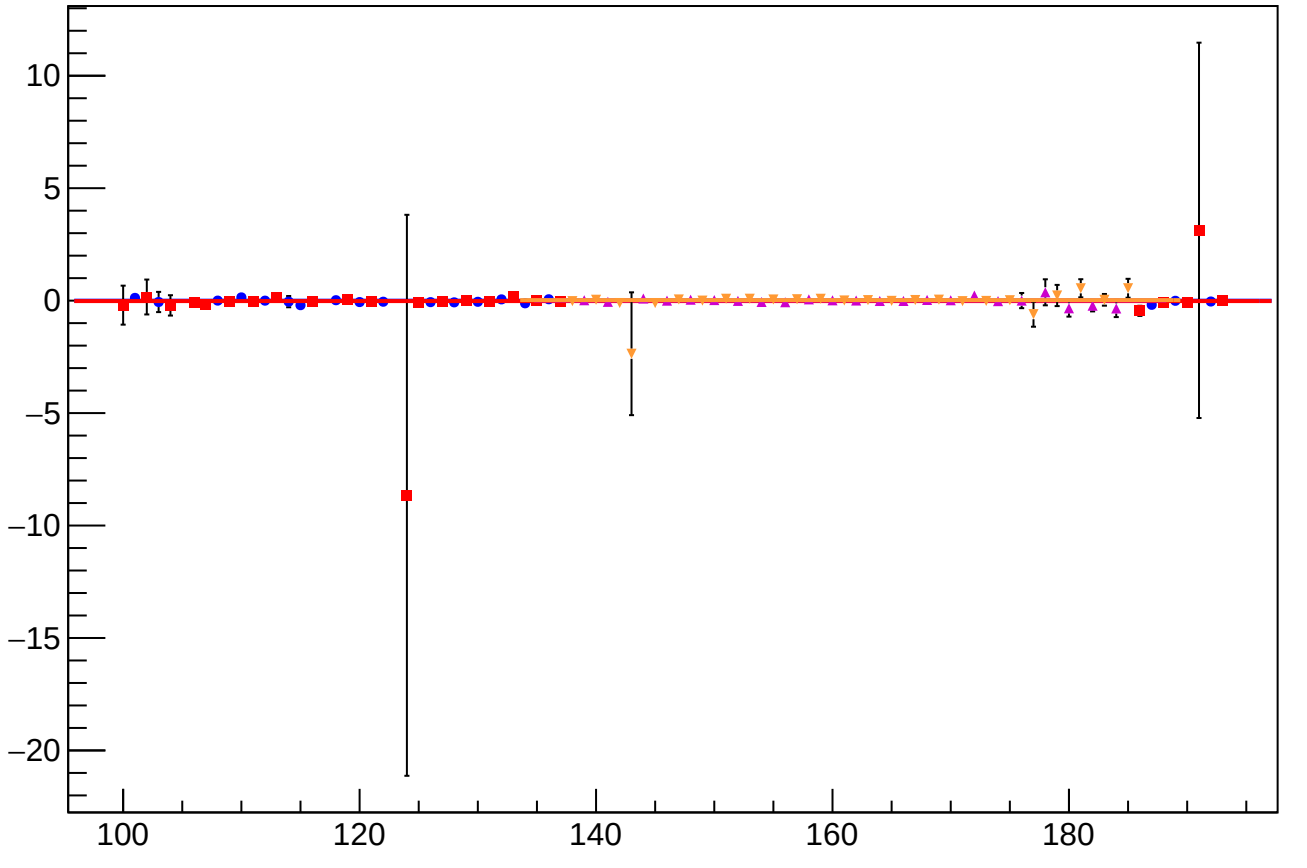
Right Out: 37.128+/-0.010 χ^2/NDF: 4026023.9/23

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.919+/-0.006 χ^2/NDF: 13665940.6/43

All: 34.836+/-0.004 χ^2/NDF: 27841437.7/90

- sign 34.753+/-0.006 χ^2/NDF: 14175086.7/46



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: -0.020+/-0.014 χ^2/NDF: 19.8/23

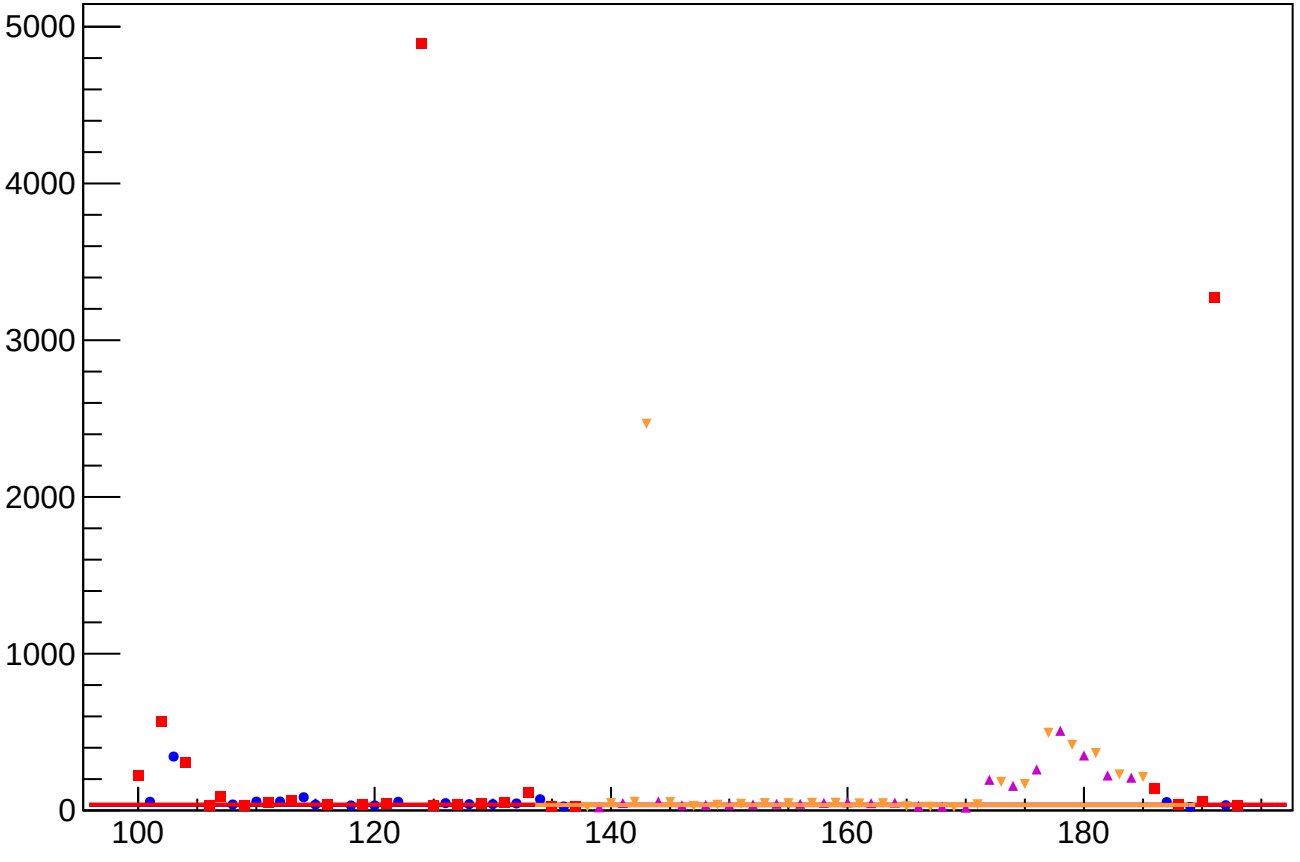
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.9/90

- sign -0.000+/-0.008 χ^2/NDF: 37.6/46

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_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

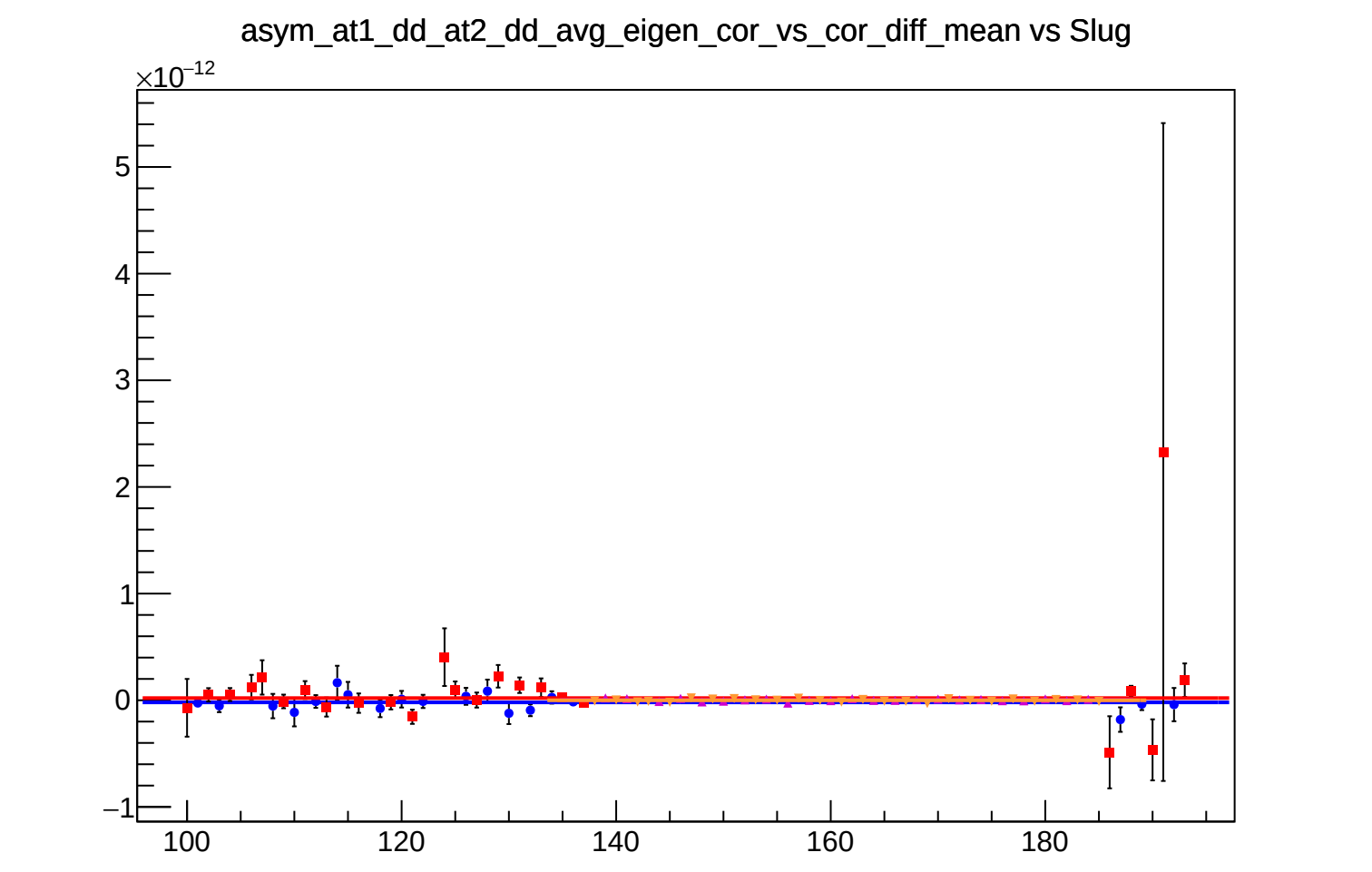
Right Out: 37.128+/-0.010 χ^2/NDF: 4026023.9/23

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 34.919+/-0.006 χ^2/NDF: 13665940.6/43

All: 34.836+/-0.004 χ^2/NDF: 27841437.7/90

\- sign 34.753+/-0.006 χ^2/NDF: 14175086.7/46



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

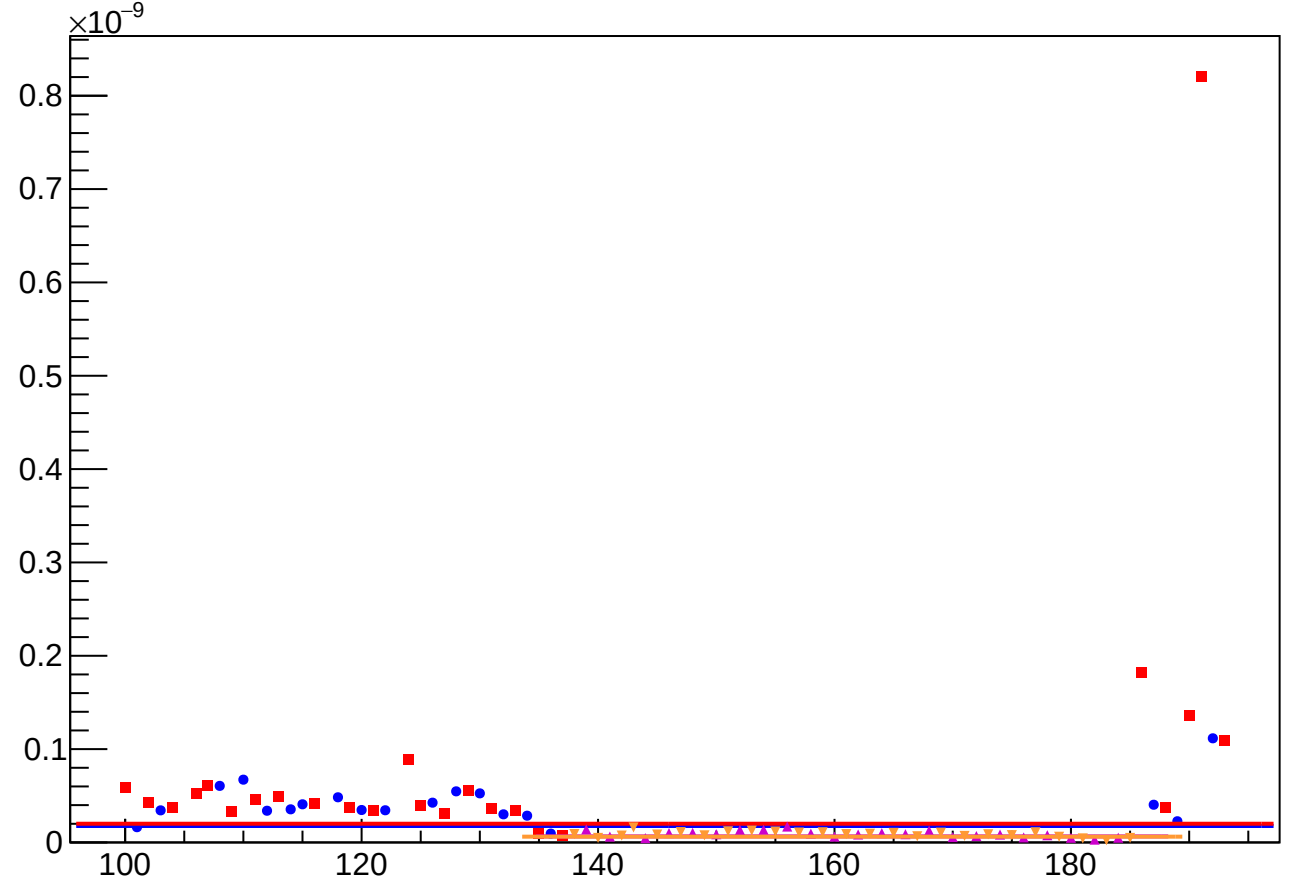
Right Out: 0.000+/-0.000 χ^2/NDF: 35.8/23

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: 100.9/90

- sign 0.000+/-0.000 χ^2/NDF: 58.6/46



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: 5523439.1/23

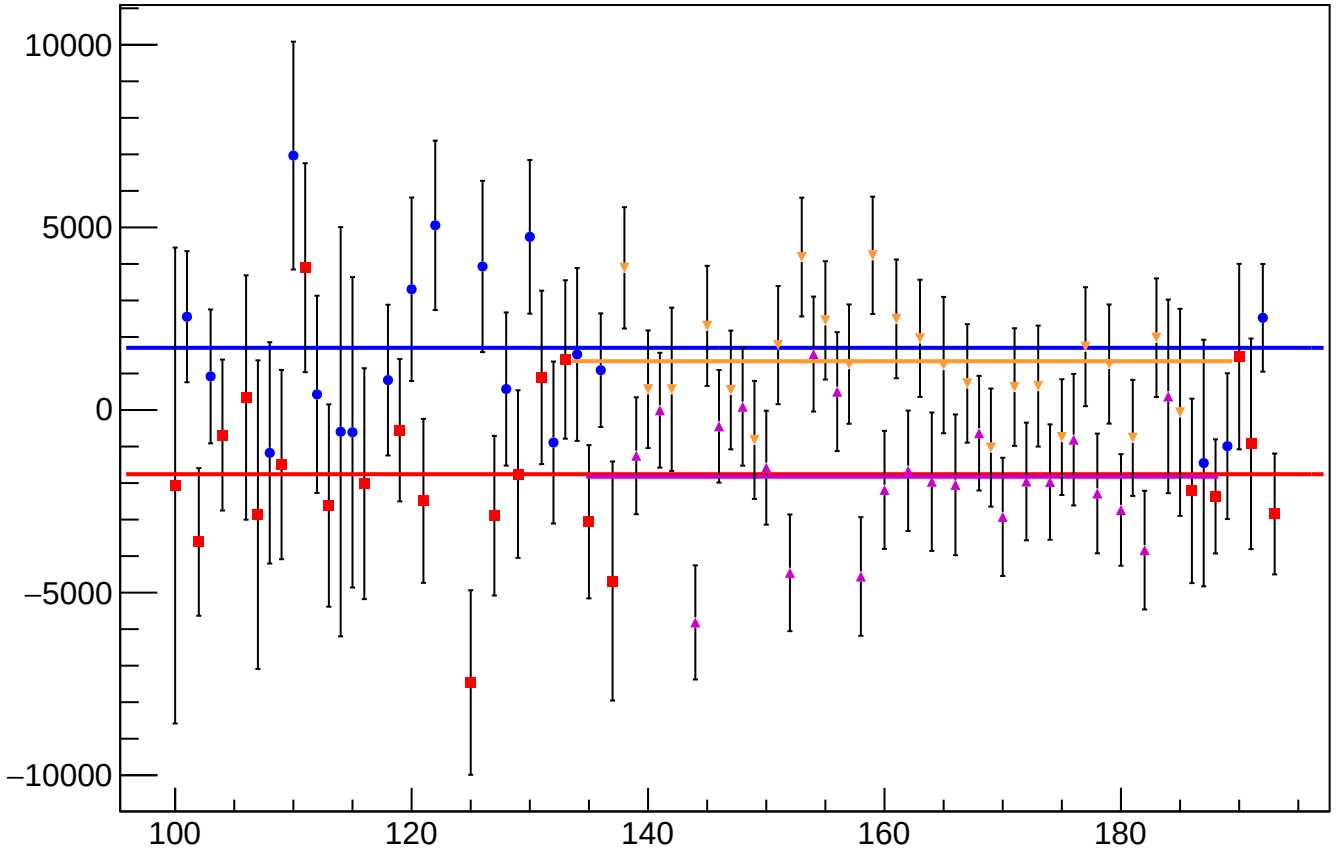
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11782598.5/43

All: 0.000+/-0.000 χ^2/NDF: 24393664.1/90

- sign 0.000+/-0.000 χ^2/NDF: 12585812.6/46

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: -1757.245+/-494.797 χ^2/NDF: 18.3/22

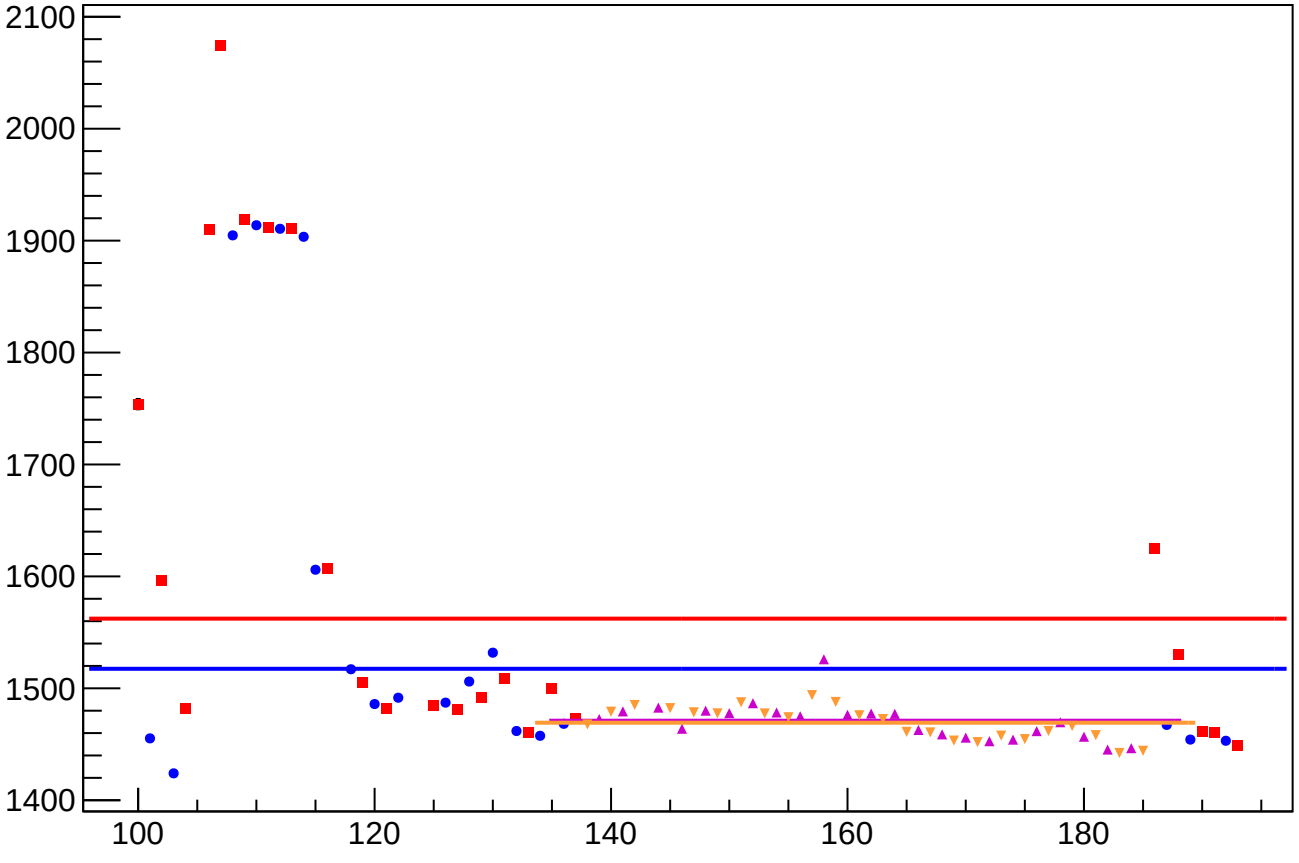
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1450.314+/-283.391 χ^2/NDF: 34.9/42

All: -183.946+/-199.951 χ^2/NDF: 145.9/88

- sign -1804.045+/-282.160 χ^2/NDF: 44.8/45

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

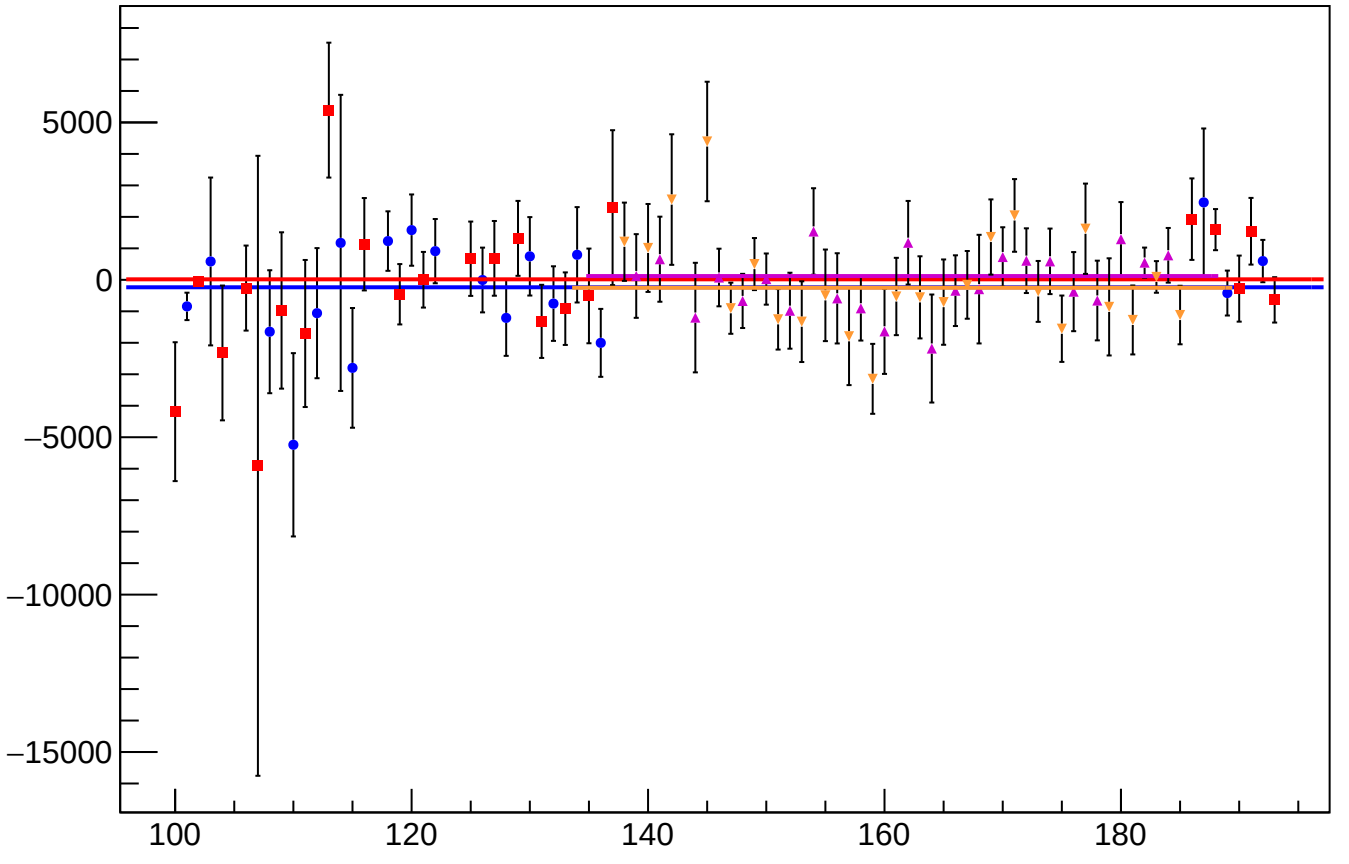
Right Out: 1562.255+/-0.350 χ^2/NDF: 192709.3/22

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1484.173+/-0.200 χ^2/NDF: 152660.1/42

All: 1492.478+/-0.141 χ^2/NDF: 399284.5/88

- sign 1500.712+/-0.200 χ^2/NDF: 243203.6/45



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: 16.298+/-121.278 χ^2/NDF: 29.1/22

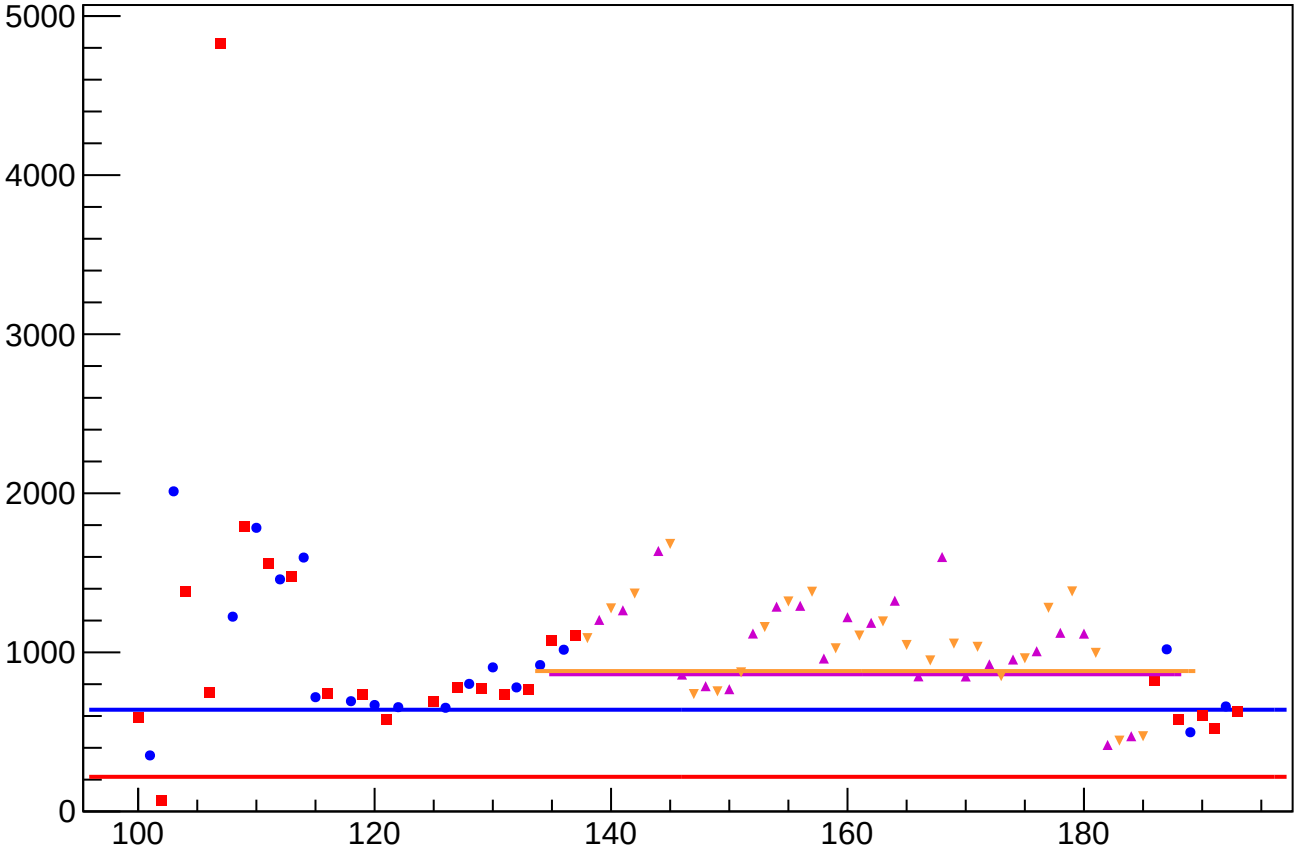
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -244.712+/-160.489 χ^2/NDF: 54.1/42

All: -45.415+/-88.302 χ^2/NDF: 98.5/88

- sign 41.111+/-105.747 χ^2/NDF: 42.1/45

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: 217.717+/-0.086 χ^2/NDF: 12130371.2/22

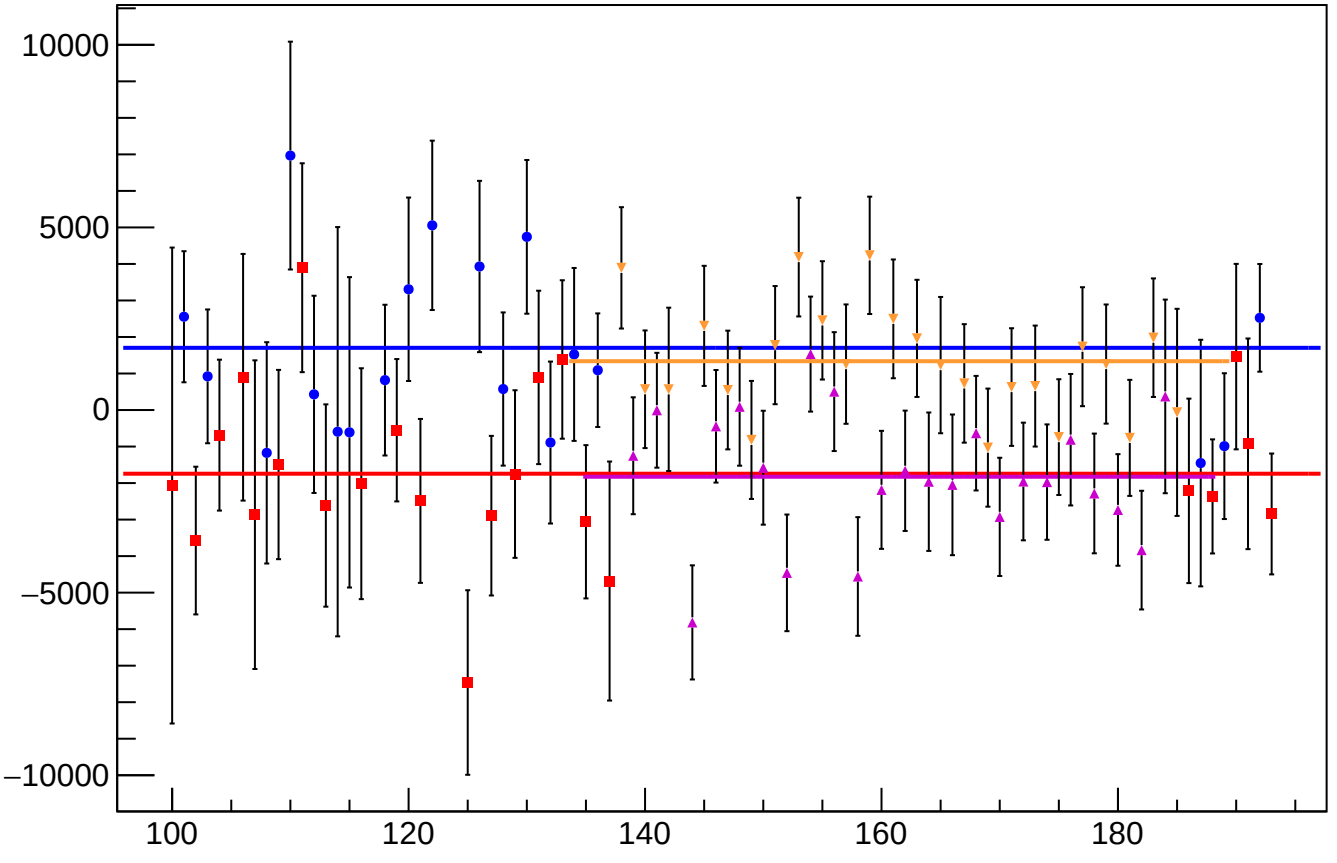
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 770.677+/-0.113 χ^2/NDF: 7939783.2/42

All: 492.860+/-0.062 χ^2/NDF: 46578707.5/88

- sign 372.244+/-0.075 χ^2/NDF: 30043705.4/45

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: -1743.900+/-494.904 χ^2/NDF: 18.5/22

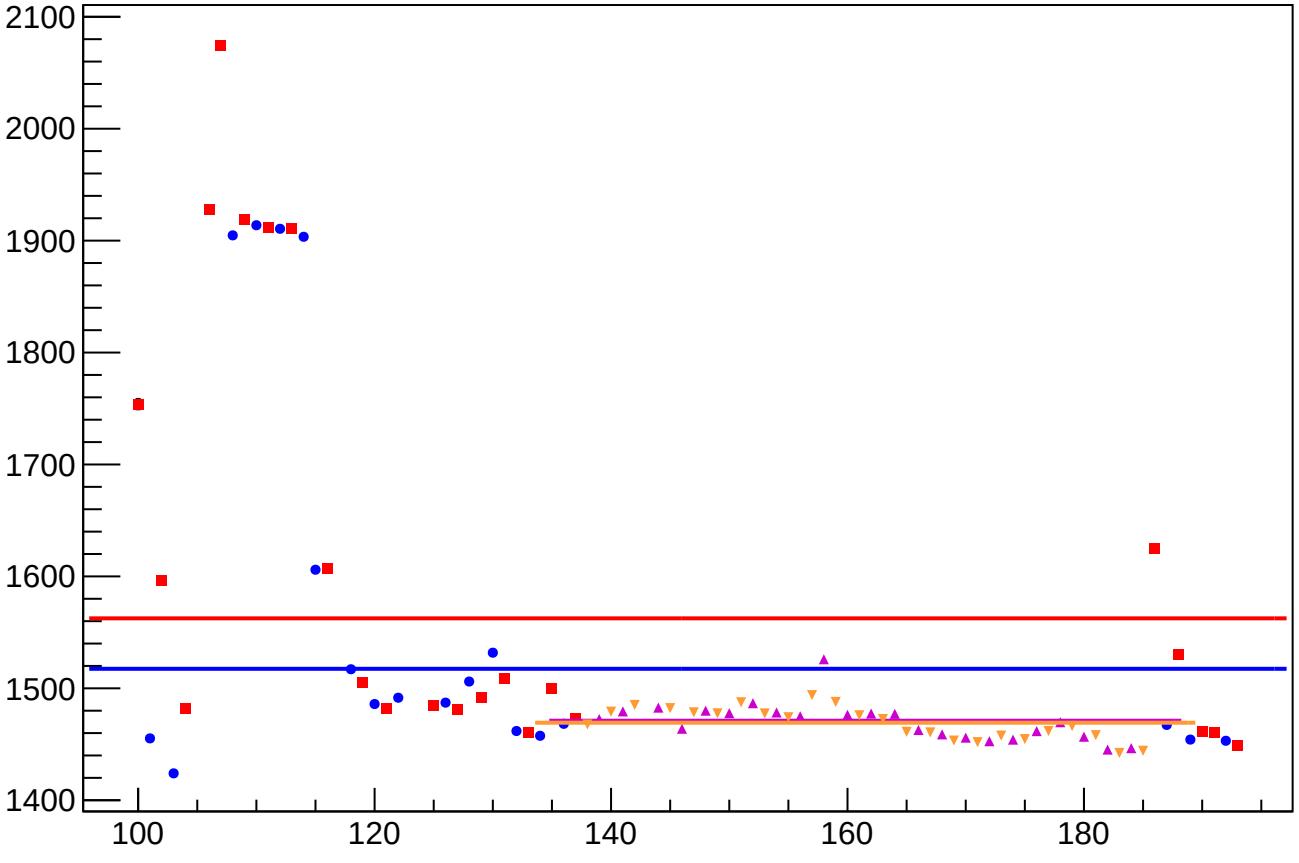
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1450.356+/-283.391 χ^2/NDF: 34.9/42

All: -181.651+/-199.958 χ^2/NDF: 145.9/88

- sign -1799.744+/-282.180 χ^2/NDF: 45.0/45

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: 1562.515+/-0.350 χ^2/NDF: 194597.5/22

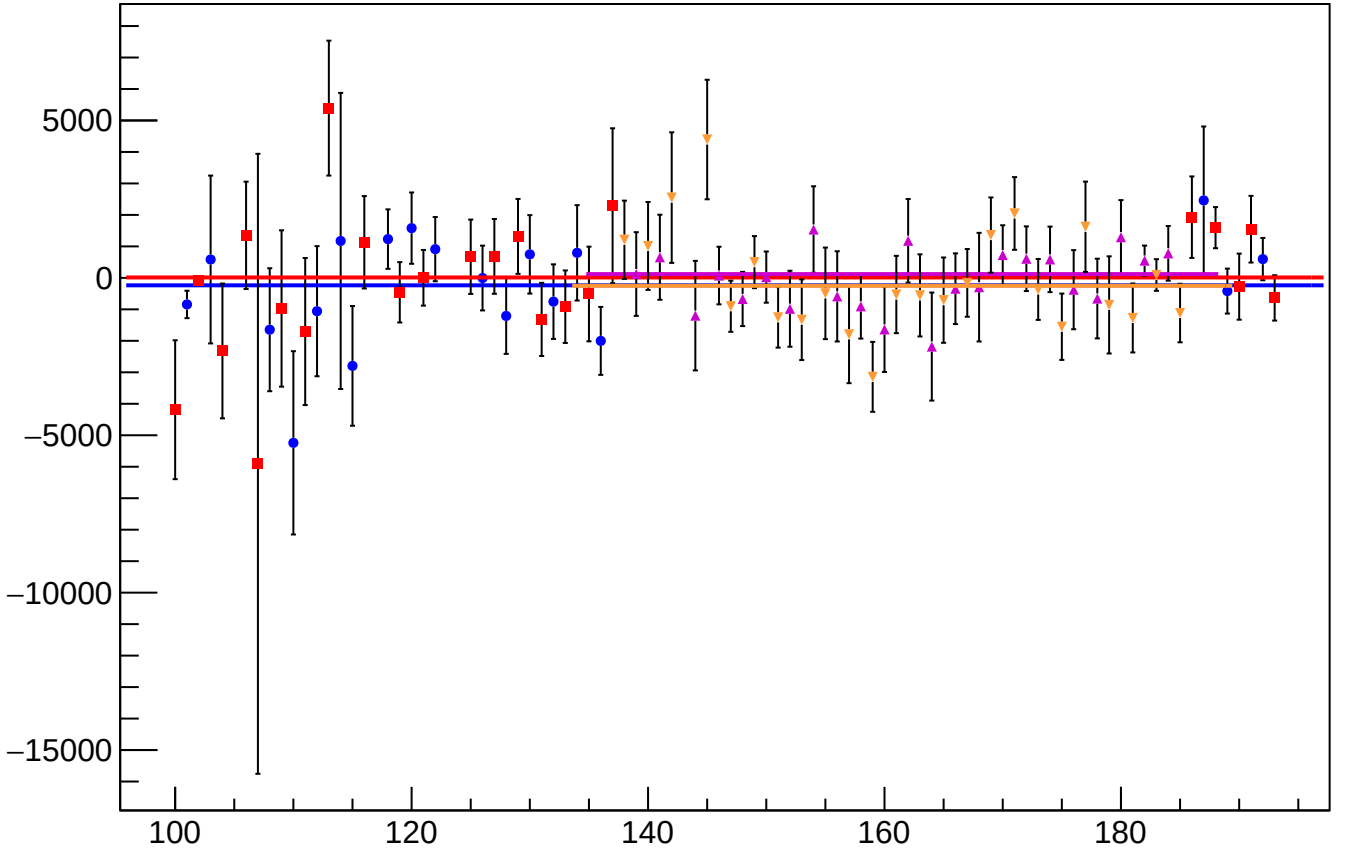
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1484.173+/-0.200 χ^2/NDF: 152660.0/42

All: 1492.516+/-0.141 χ^2/NDF: 401452.5/88

- sign 1500.788+/-0.200 χ^2/NDF: 245340.4/45

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: 12.960+/-130.109 χ^2/NDF: 29.9/22

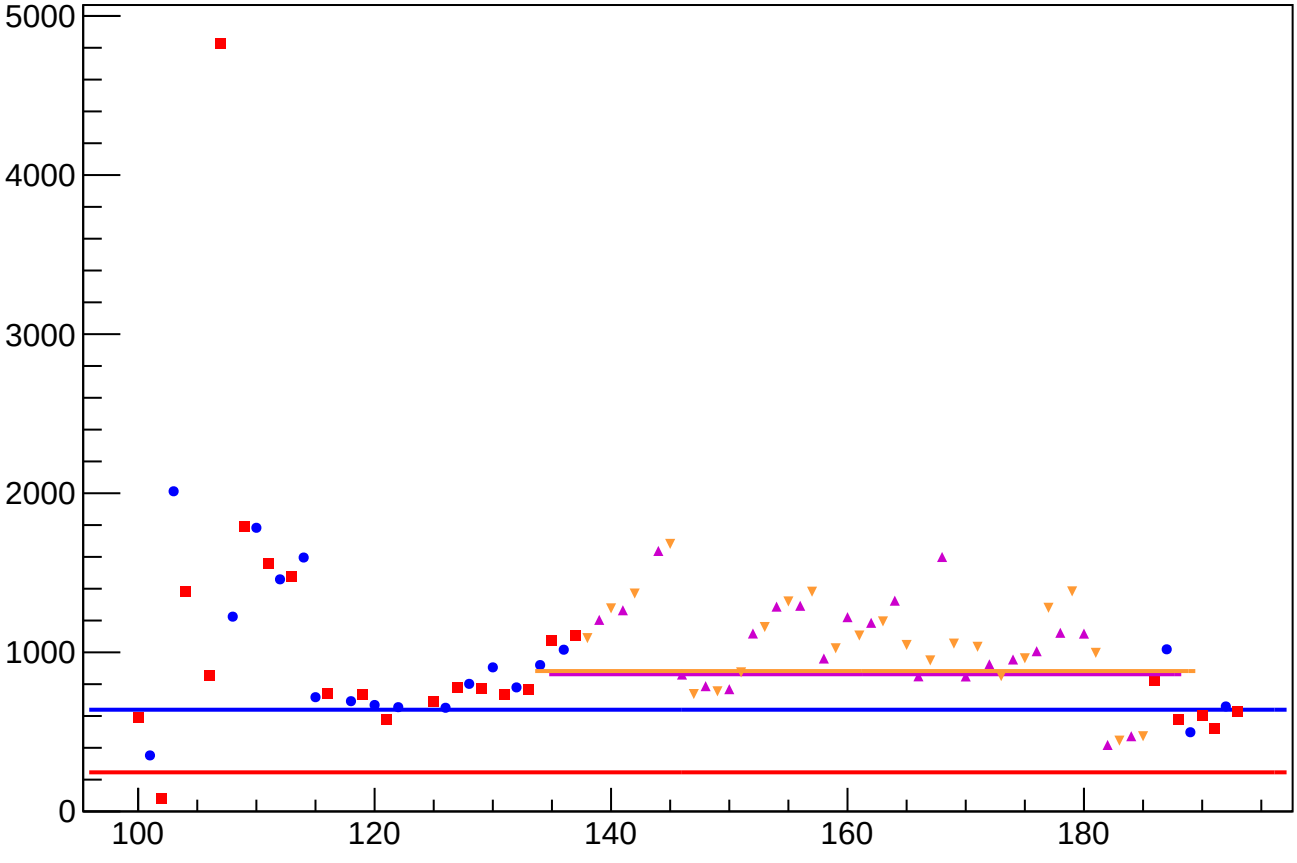
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -244.674+/-160.488 χ^2/NDF: 54.1/42

All: -51.659+/-91.541 χ^2/NDF: 99.2/88

- sign 41.421+/-111.448 χ^2/NDF: 42.9/45

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: 245.866+/-0.092 χ^2/NDF: 11370840.3/22

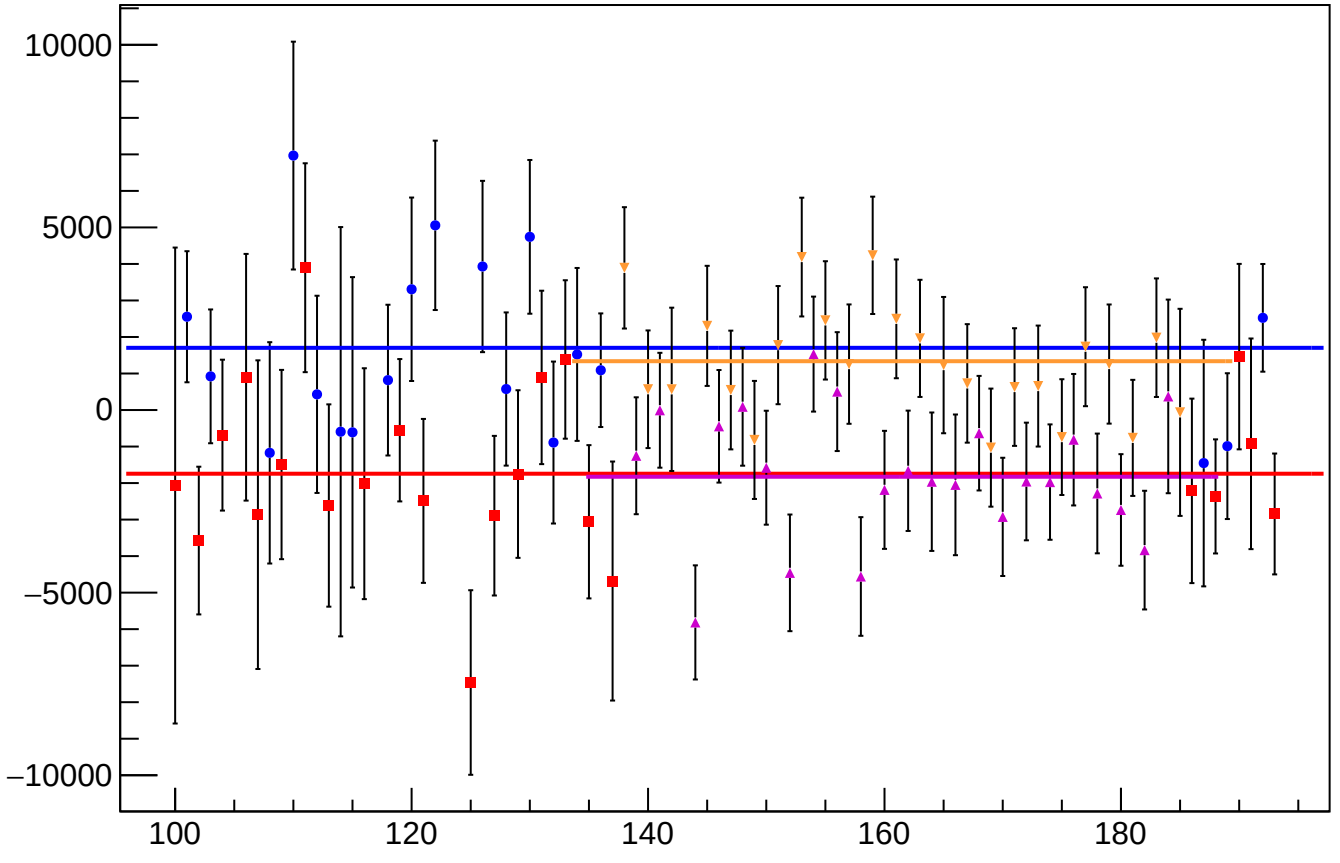
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 770.670+/-0.113 χ^2/NDF: 7940095.9/42

All: 527.350+/-0.065 χ^2/NDF: 42448982.5/88

- sign 410.011+/-0.079 χ^2/NDF: 27694554.6/45

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: -1743.900+/-494.904 χ^2/NDF: 18.5/22

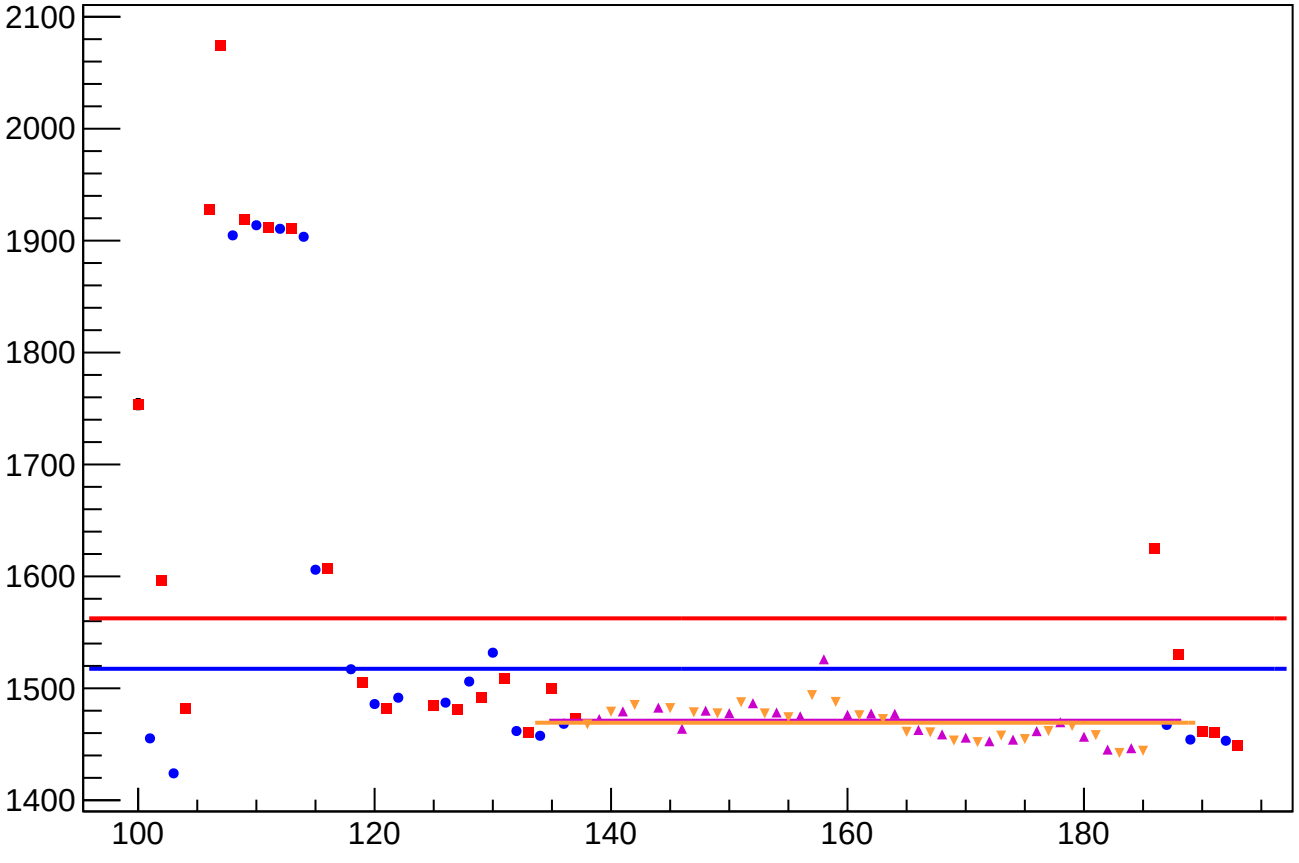
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1450.356+/-283.391 χ^2/NDF: 34.9/42

All: -181.651+/-199.958 χ^2/NDF: 145.9/88

- sign -1799.744+/-282.180 χ^2/NDF: 45.0/45

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

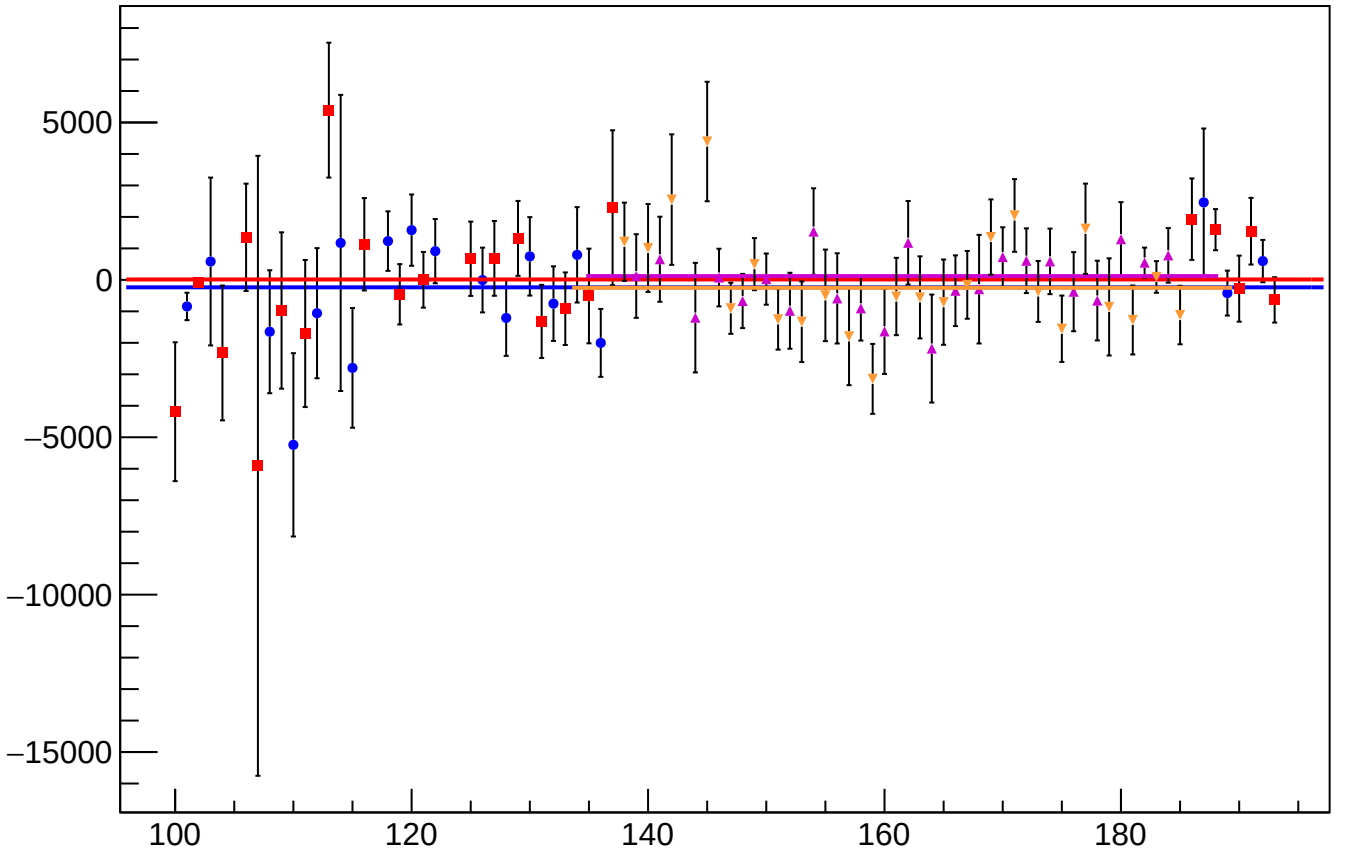
Right Out: 1562.515+/-0.350 χ^2/NDF: 194597.5/22

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1484.173+/-0.200 χ^2/NDF: 152660.0/42

All: 1492.516+/-0.141 χ^2/NDF: 401452.5/88

- sign 1500.788+/-0.200 χ^2/NDF: 245340.4/45



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: 12.960+/-130.109 χ^2/NDF: 29.9/22

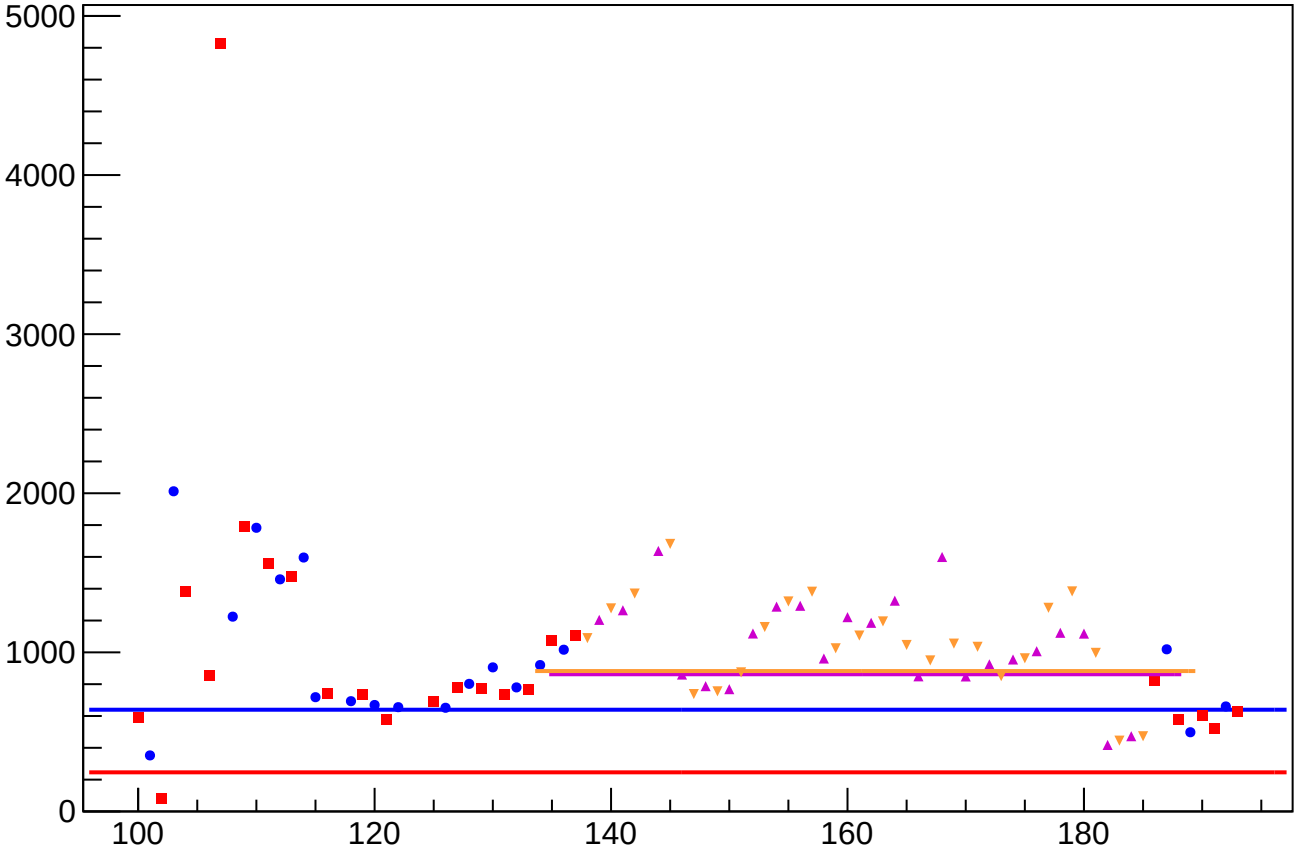
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

\+ sign -244.674+/-160.488 χ^2/NDF: 54.1/42

All: -51.659+/-91.541 χ^2/NDF: 99.2/88

\- sign 41.421+/-111.448 χ^2/NDF: 42.9/45

asym_usl_atl1_avg_eigen_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: 245.866+/-0.092 χ^2/NDF: 11370840.3/22

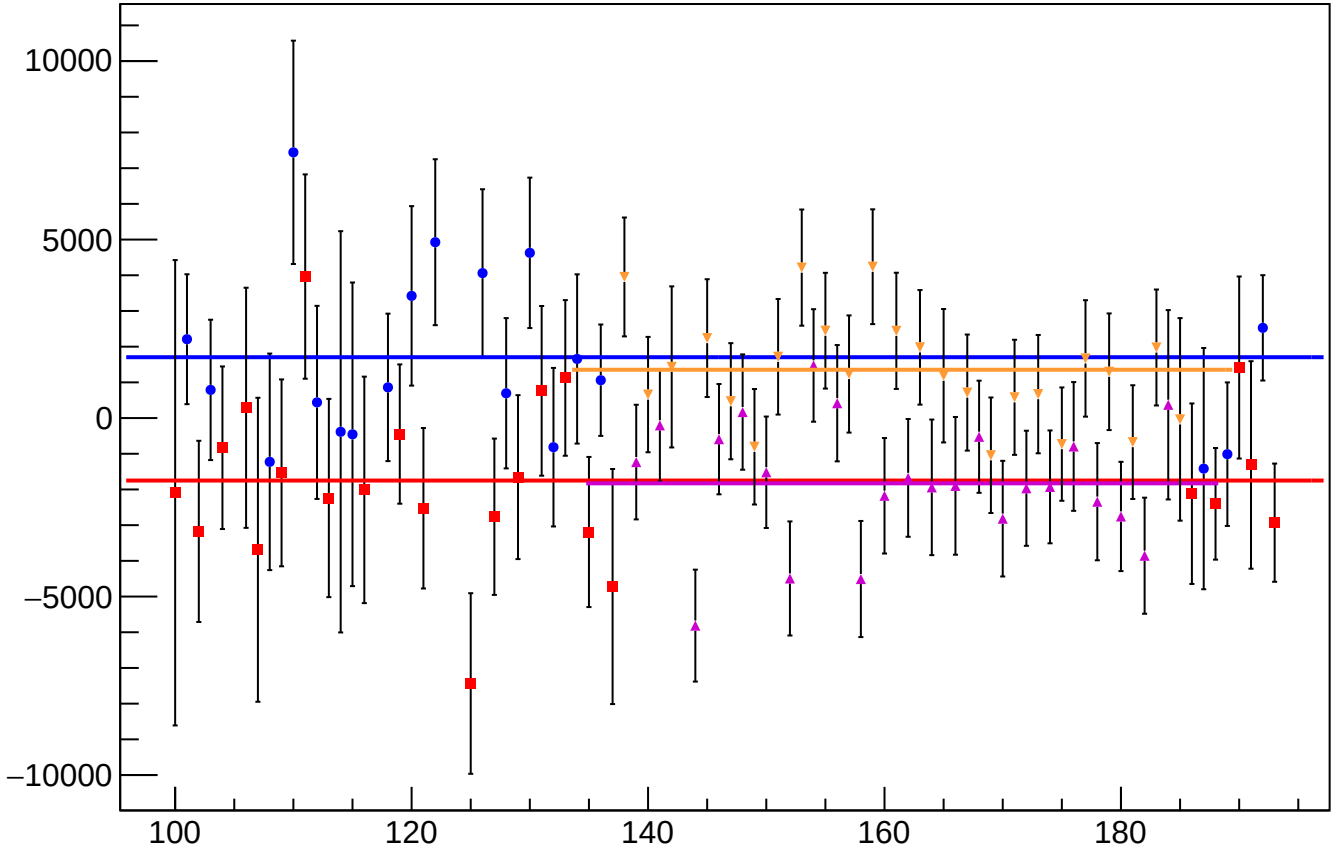
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 770.670+/-0.113 χ^2/NDF: 7940095.9/42

All: 527.350+/-0.065 χ^2/NDF: 42448982.5/88

- sign 410.011+/-0.079 χ^2/NDF: 27694554.6/45

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: -1750.157+/-504.044 χ^2/NDF: 17.3/22

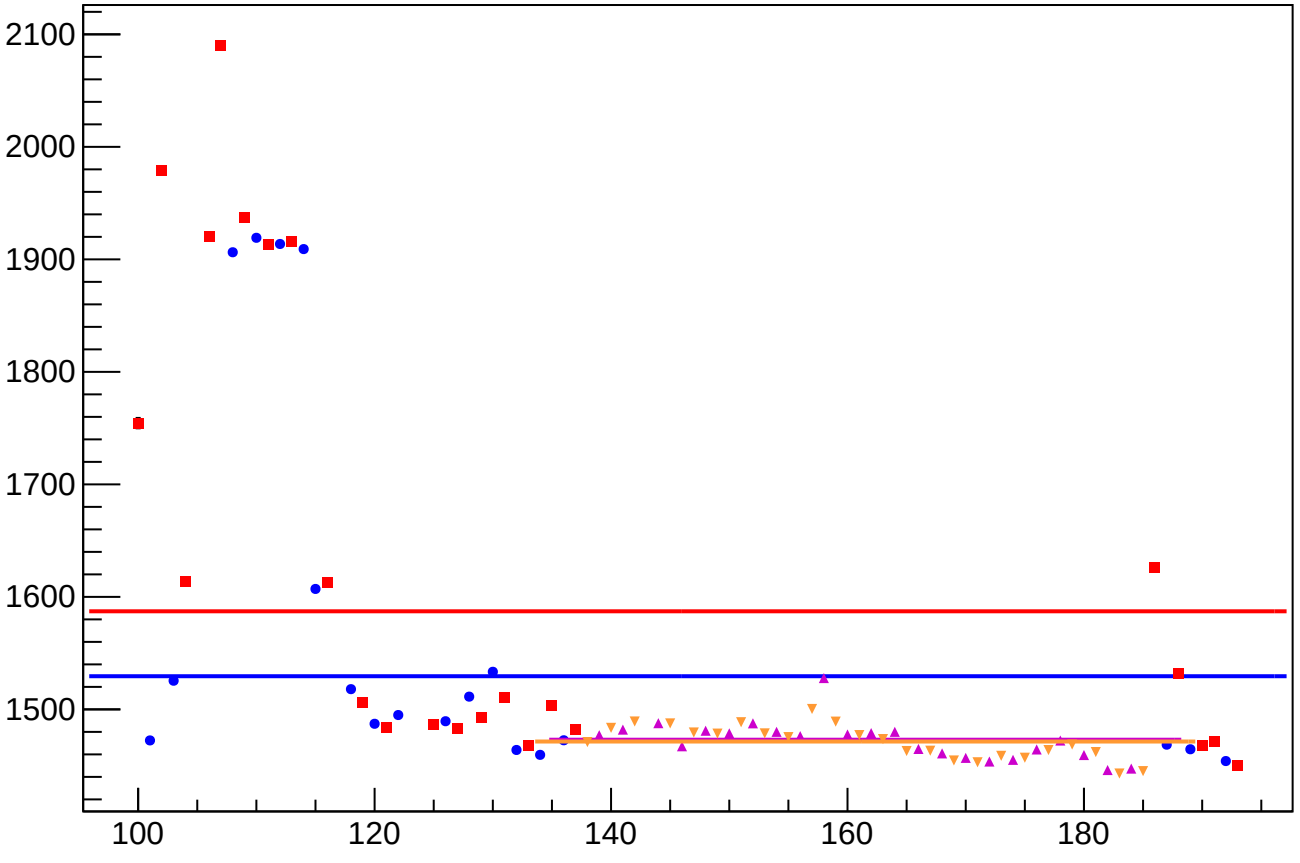
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1461.366+/-284.409 χ^2/NDF: 34.6/42

All: -172.768+/-201.001 χ^2/NDF: 143.8/88

- sign -1803.439+/-284.108 χ^2/NDF: 43.2/45

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: 1587.190+/-0.356 χ^2/NDF: 243002.4/22

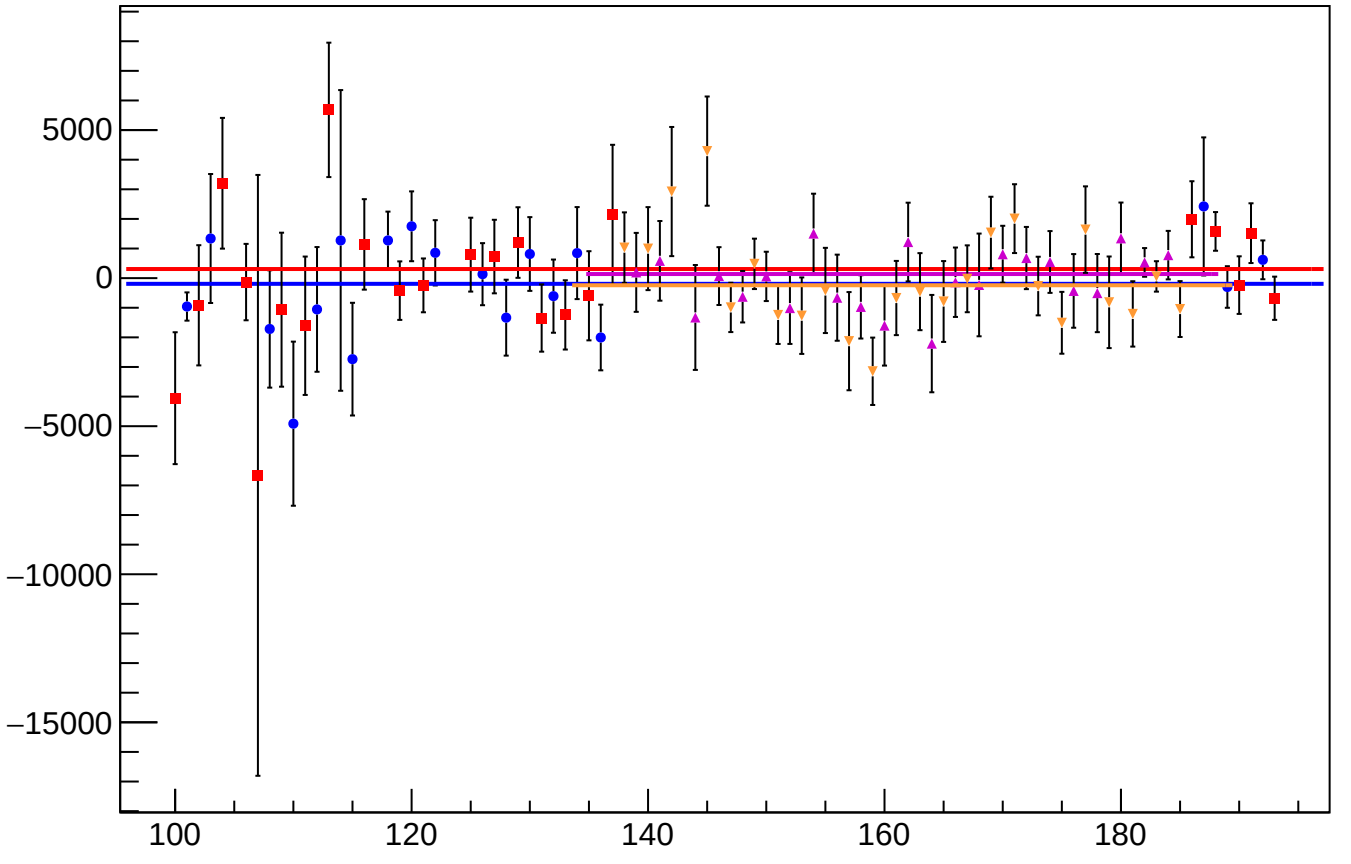
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1489.238+/-0.201 χ^2/NDF: 151105.5/42

All: 1499.286+/-0.142 χ^2/NDF: 473822.6/88

- sign 1509.313+/-0.201 χ^2/NDF: 317729.9/45

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: 307.779+/-254.518 χ^2/NDF: 29.0/22

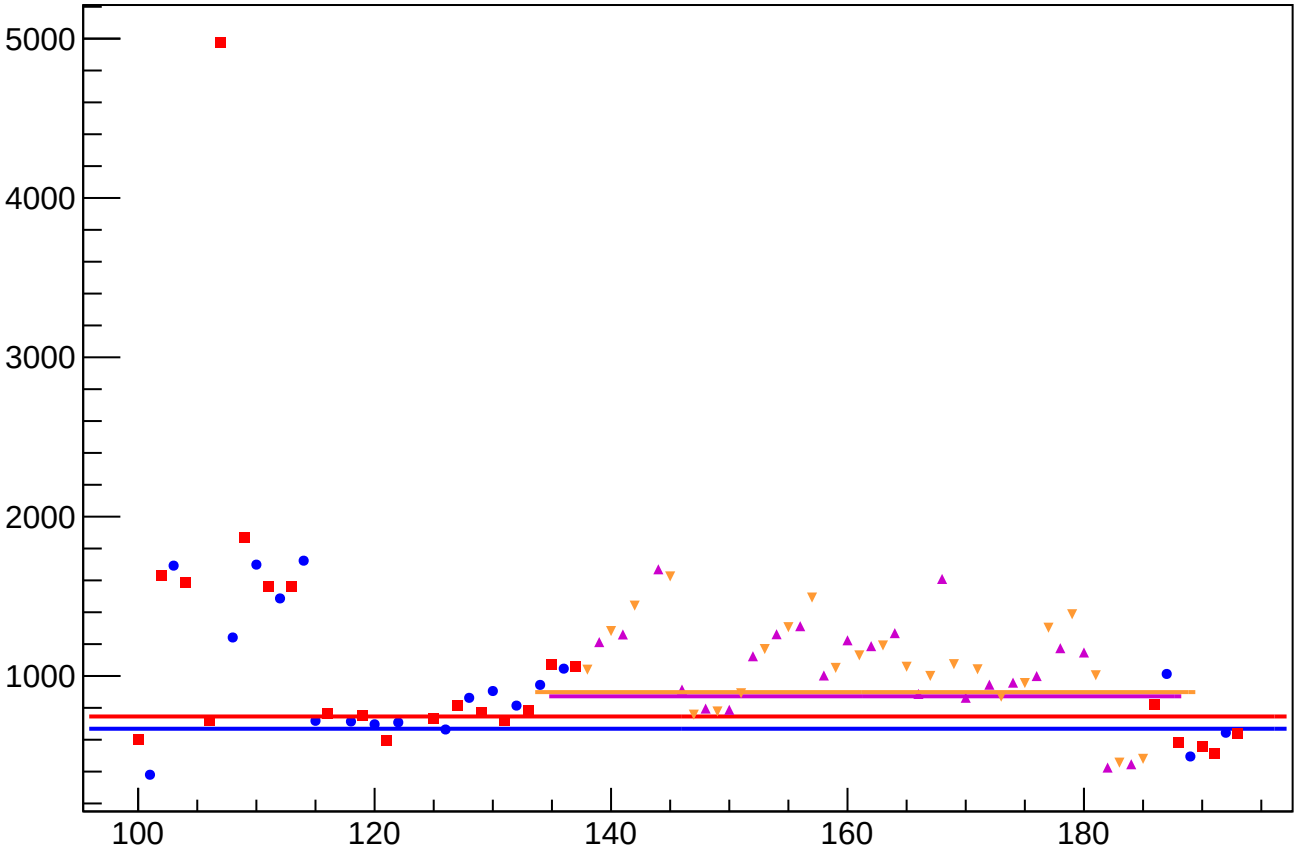
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -218.593+/-164.298 χ^2/NDF: 54.5/42

All: -6.084+/-116.696 χ^2/NDF: 100.2/88

- sign 210.270+/-165.778 χ^2/NDF: 42.3/45

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: 745.895+/-0.180 χ^2/NDF: 2451998.4/22

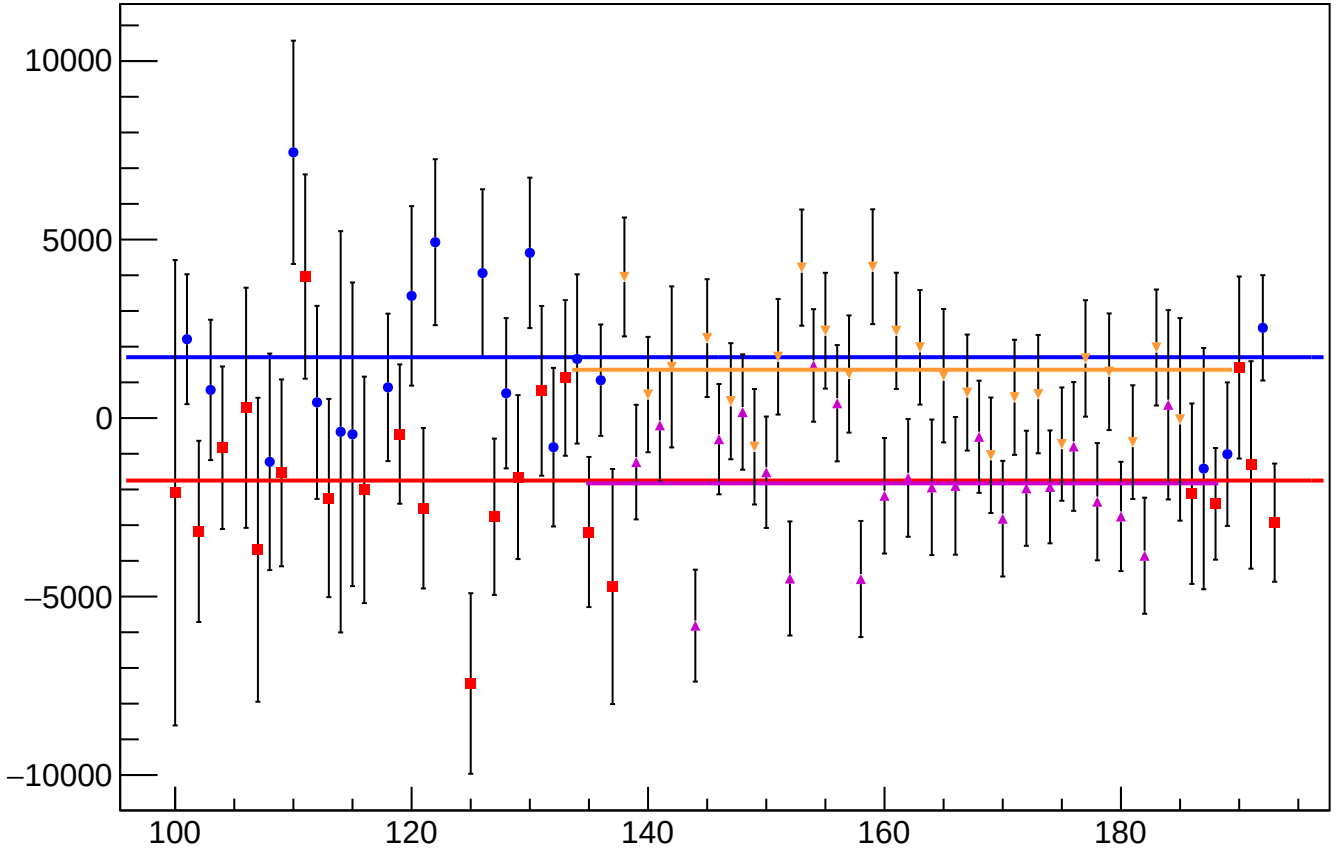
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 795.091+/-0.116 χ^2/NDF: 7386505.2/42

All: 806.826+/-0.083 χ^2/NDF: 14579411.3/88

- sign 818.772+/-0.117 χ^2/NDF: 7172317.9/45

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: -1750.155+/-504.044 χ^2/NDF: 17.3/22

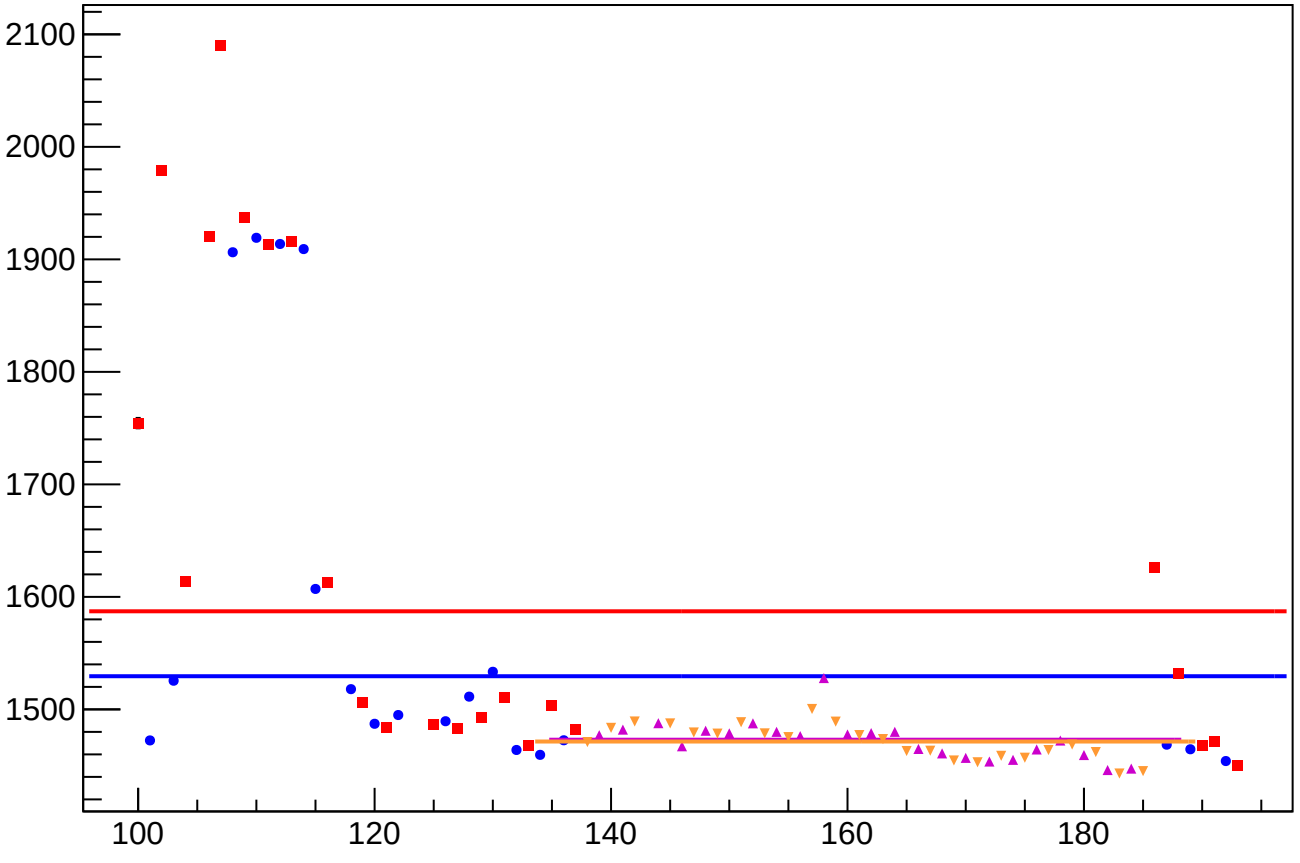
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1461.365+/-284.409 χ^2/NDF: 34.6/42

All: -172.768+/-201.001 χ^2/NDF: 143.8/88

- sign -1803.439+/-284.108 χ^2/NDF: 43.2/45

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: 1587.190+/-0.356 χ^2/NDF: 243002.1/22

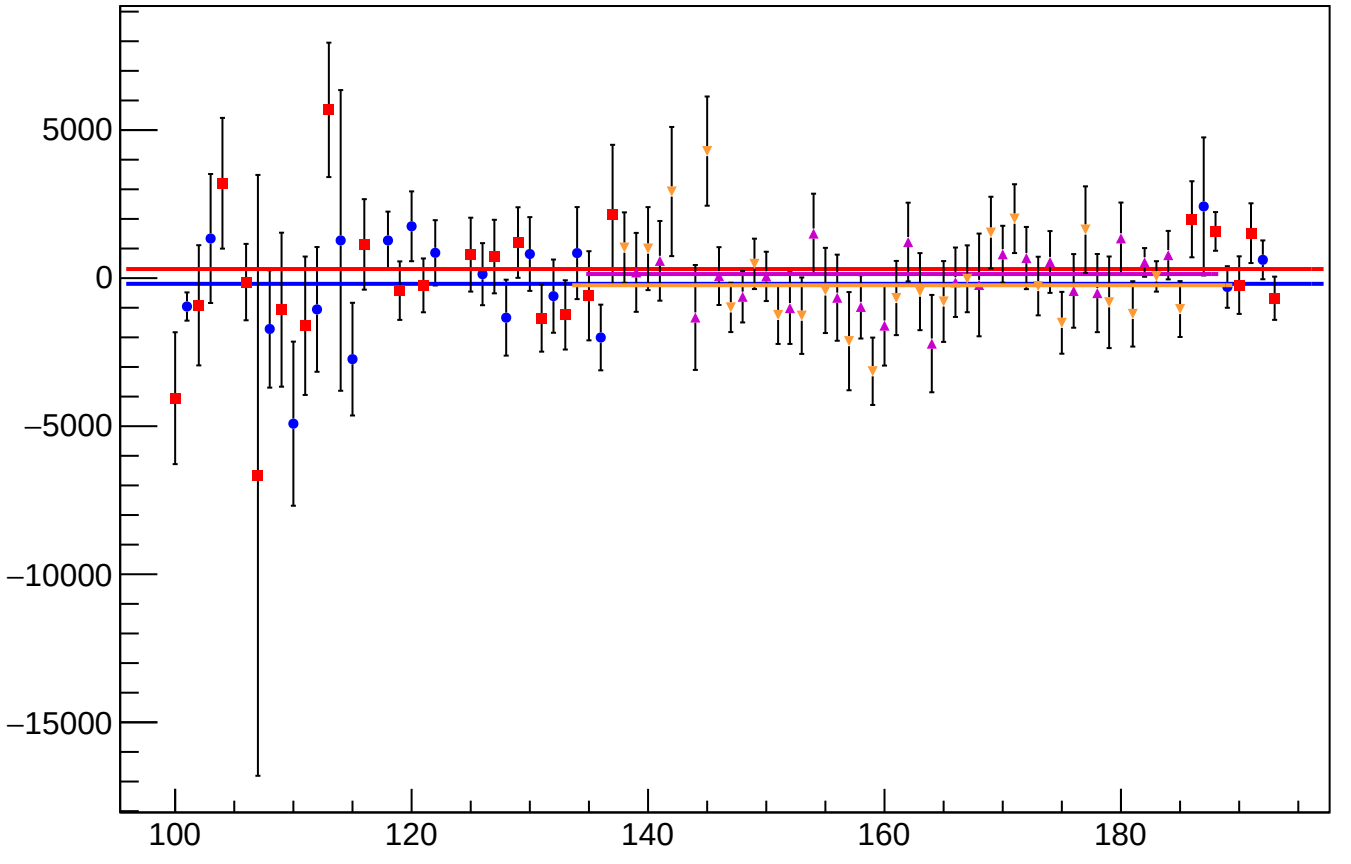
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1489.238+/-0.201 χ^2/NDF: 151105.3/42

All: 1499.286+/-0.142 χ^2/NDF: 473822.0/88

- sign 1509.312+/-0.201 χ^2/NDF: 317729.4/45

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug



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: 307.778+/-254.518 χ^2/NDF: 29.0/22

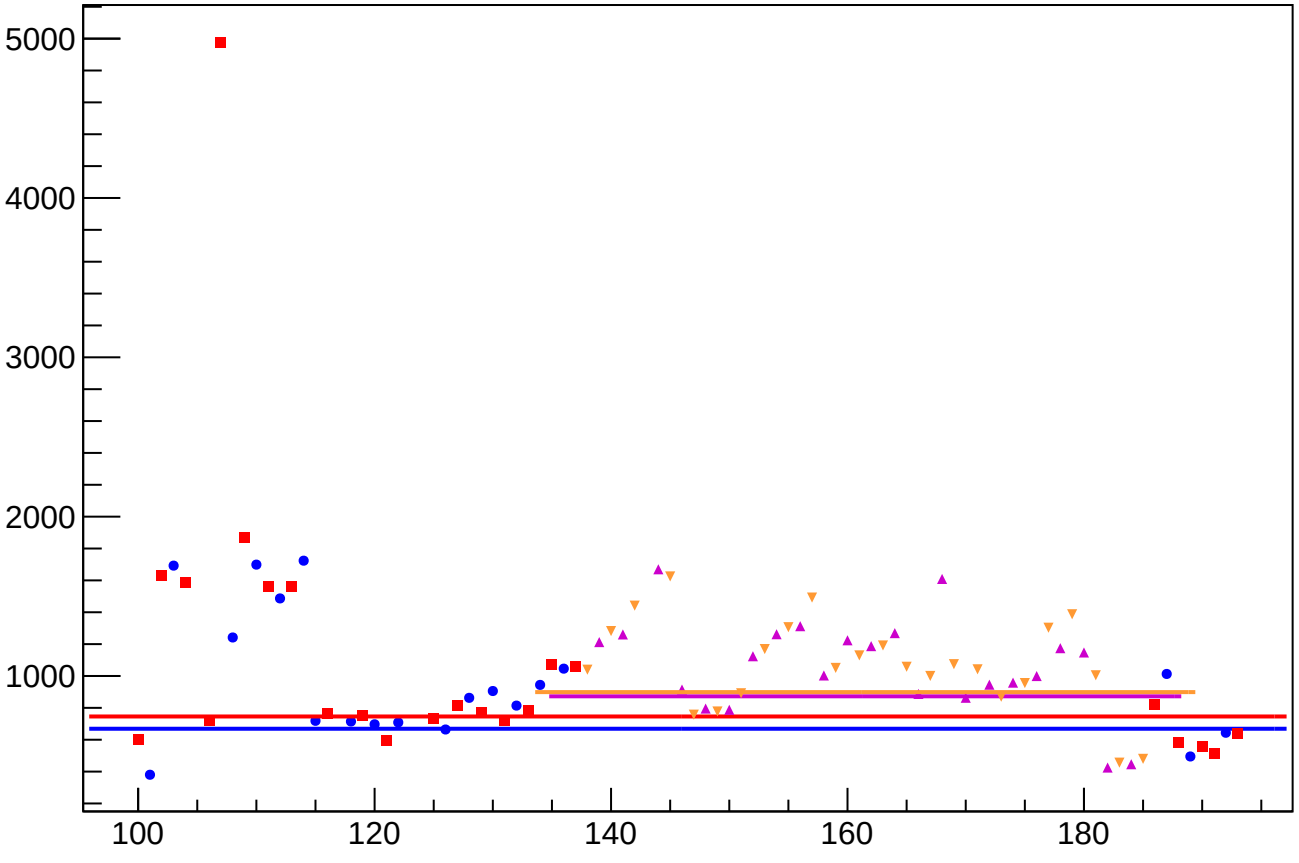
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -218.593+/-164.298 χ^2/NDF: 54.5/42

All: -6.084+/-116.696 χ^2/NDF: 100.2/88

- sign 210.270+/-165.778 χ^2/NDF: 42.3/45

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: 745.894+/-0.180 χ^2/NDF: 2452002.3/22

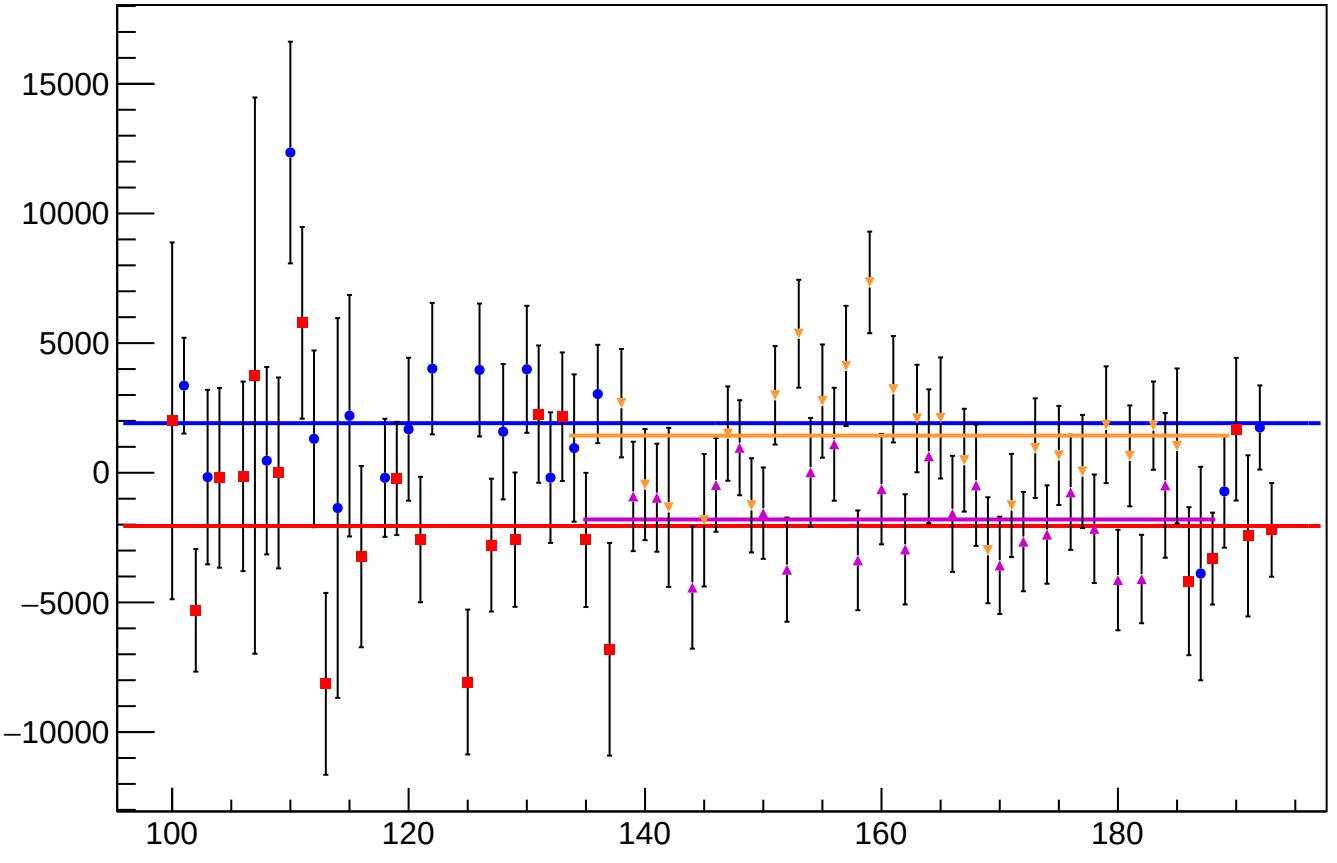
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 795.092+/-0.116 χ^2/NDF: 7386513.4/42

All: 806.826+/-0.083 χ^2/NDF: 14579437.9/88

- sign 818.772+/-0.117 χ^2/NDF: 7172336.7/45

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: -2052.065+/-578.775 χ^2/NDF: 26.4/22

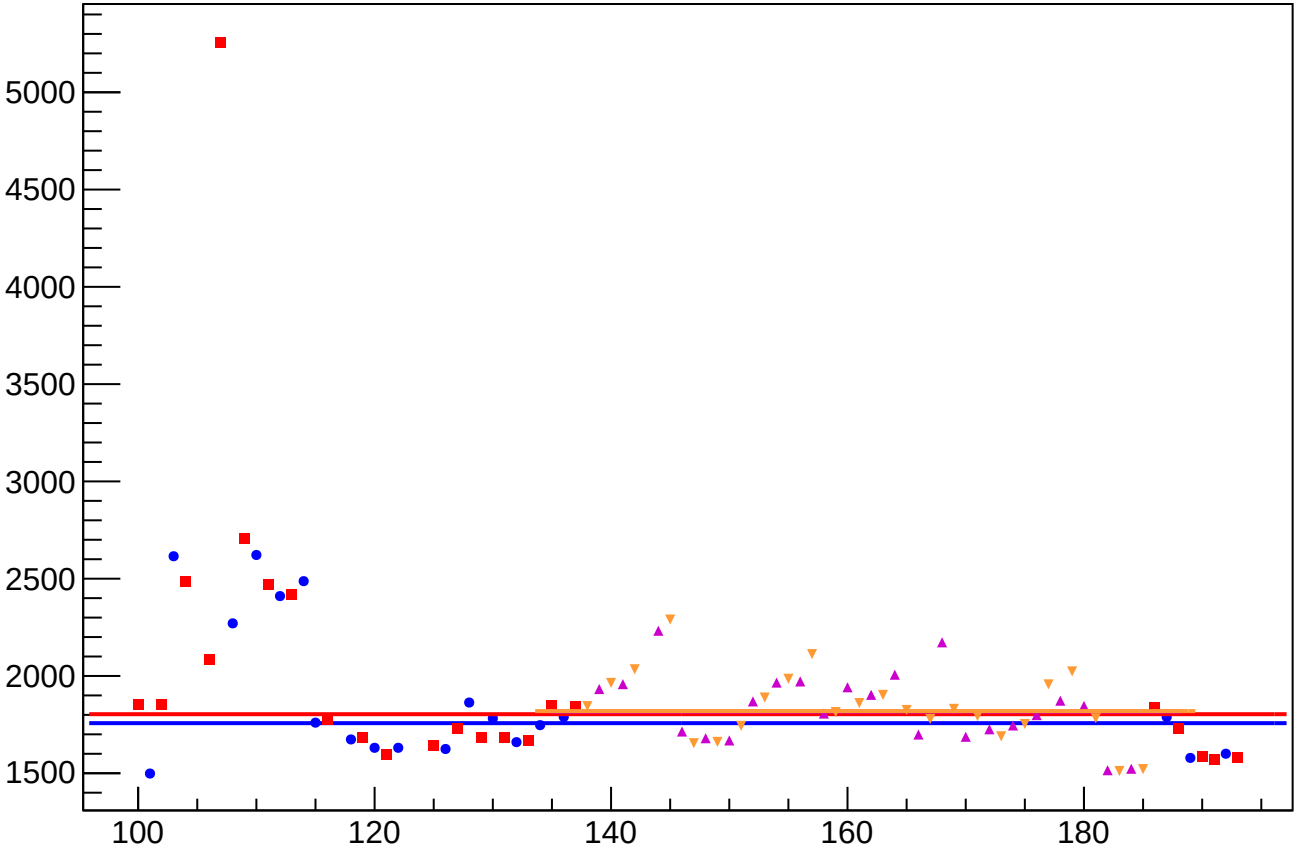
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1594.763+/-345.647 χ^2/NDF: 44.7/42

All: -159.148+/-243.589 χ^2/NDF: 137.7/88

- sign -1889.703+/-343.337 χ^2/NDF: 41.8/45

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: 1803.523+/-0.409 χ^2/NDF: 647679.4/22

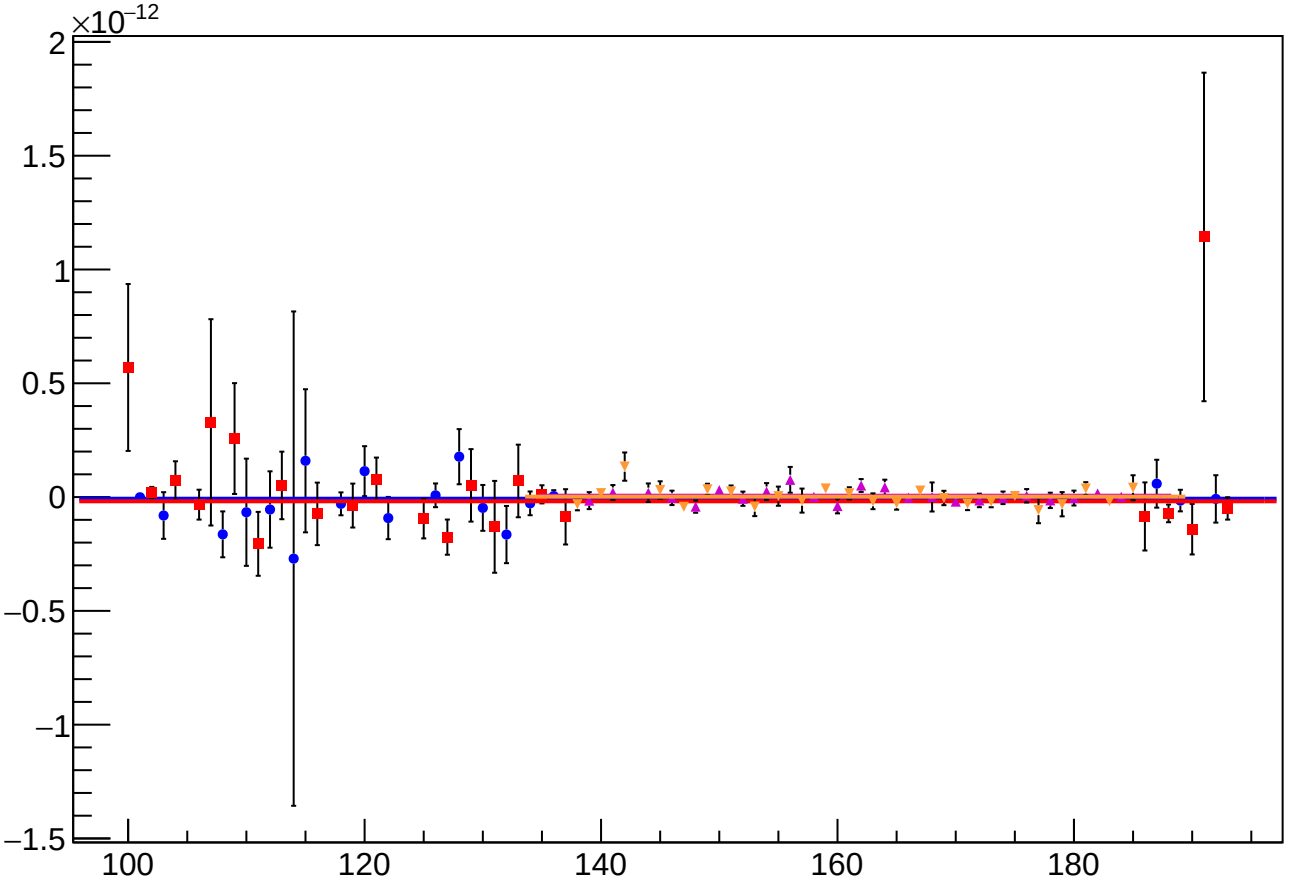
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1798.535+/-0.244 χ^2/NDF: 750920.7/42

All: 1805.488+/-0.172 χ^2/NDF: 1708028.8/88

- sign 1812.349+/-0.243 χ^2/NDF: 955500.1/45

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

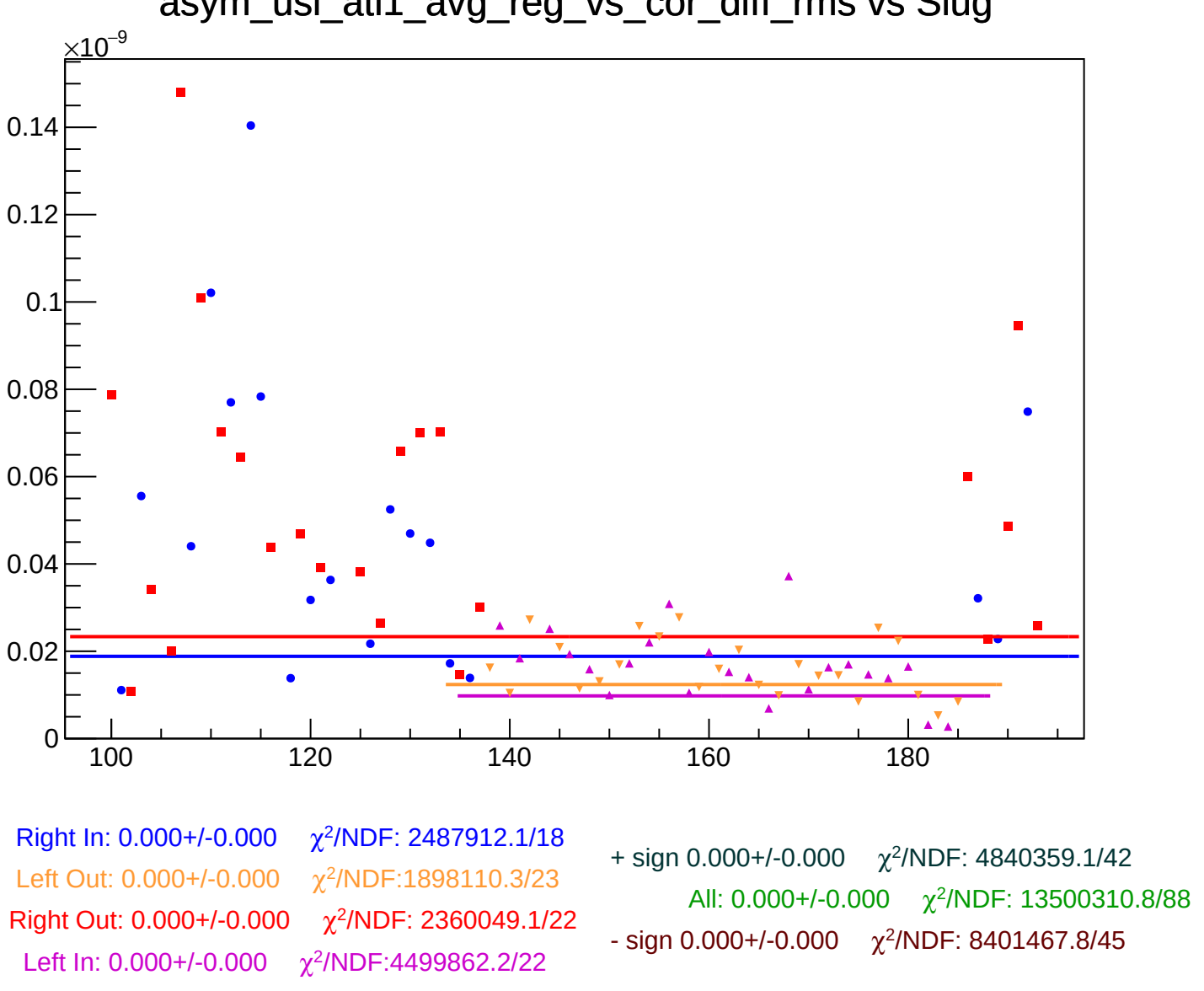
Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/22

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

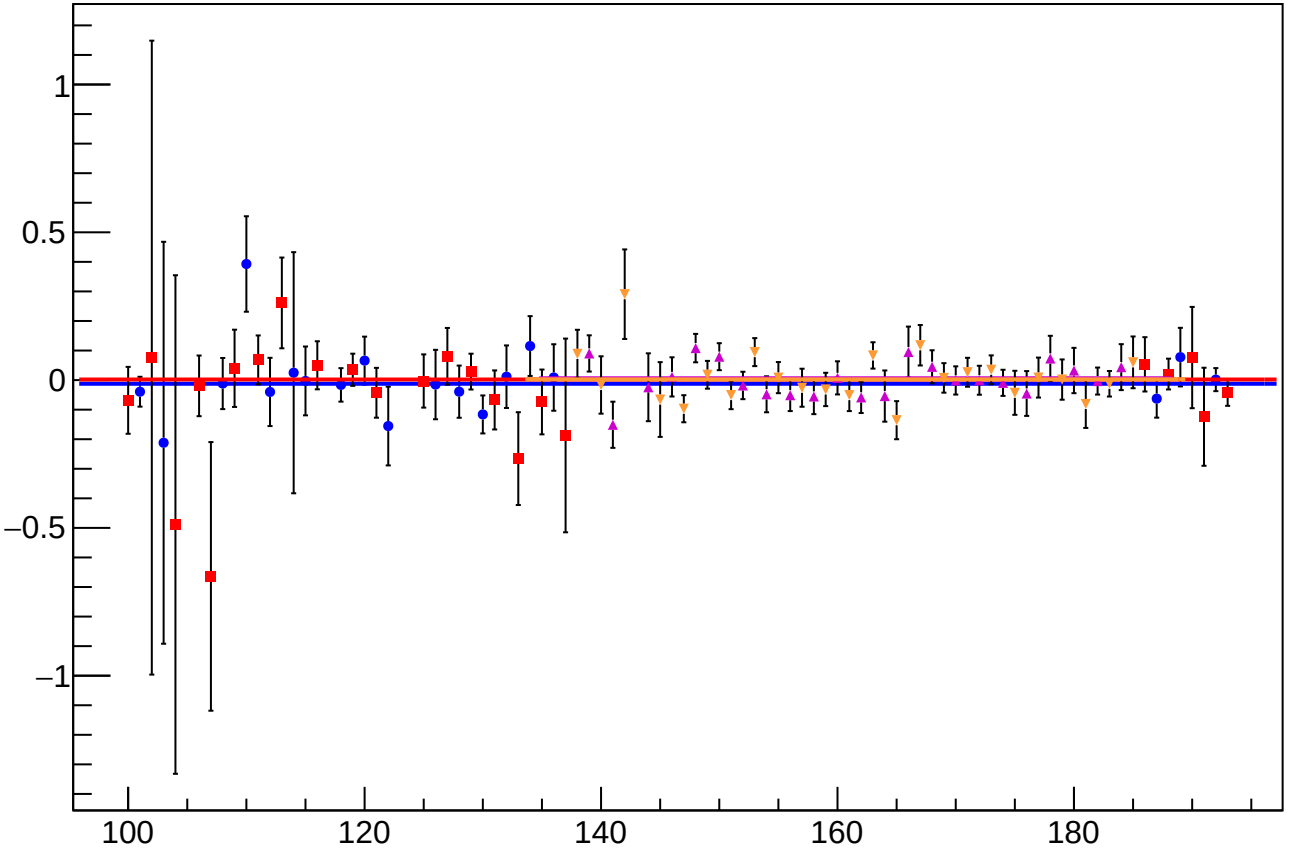
+ sign 0.000+/-0.000 χ^2/NDF: 40.5/42

All: 0.000+/-0.000 χ^2/NDF: 85.1/88

- sign 0.000+/-0.000 χ^2/NDF: 44.4/45


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: 2360049.1/22
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: 13500310.8/88
- sign 0.000+/-0.000 χ²/NDF: 8401467.8/45

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: 0.002+/-0.019 χ^2/NDF: 14.9/22

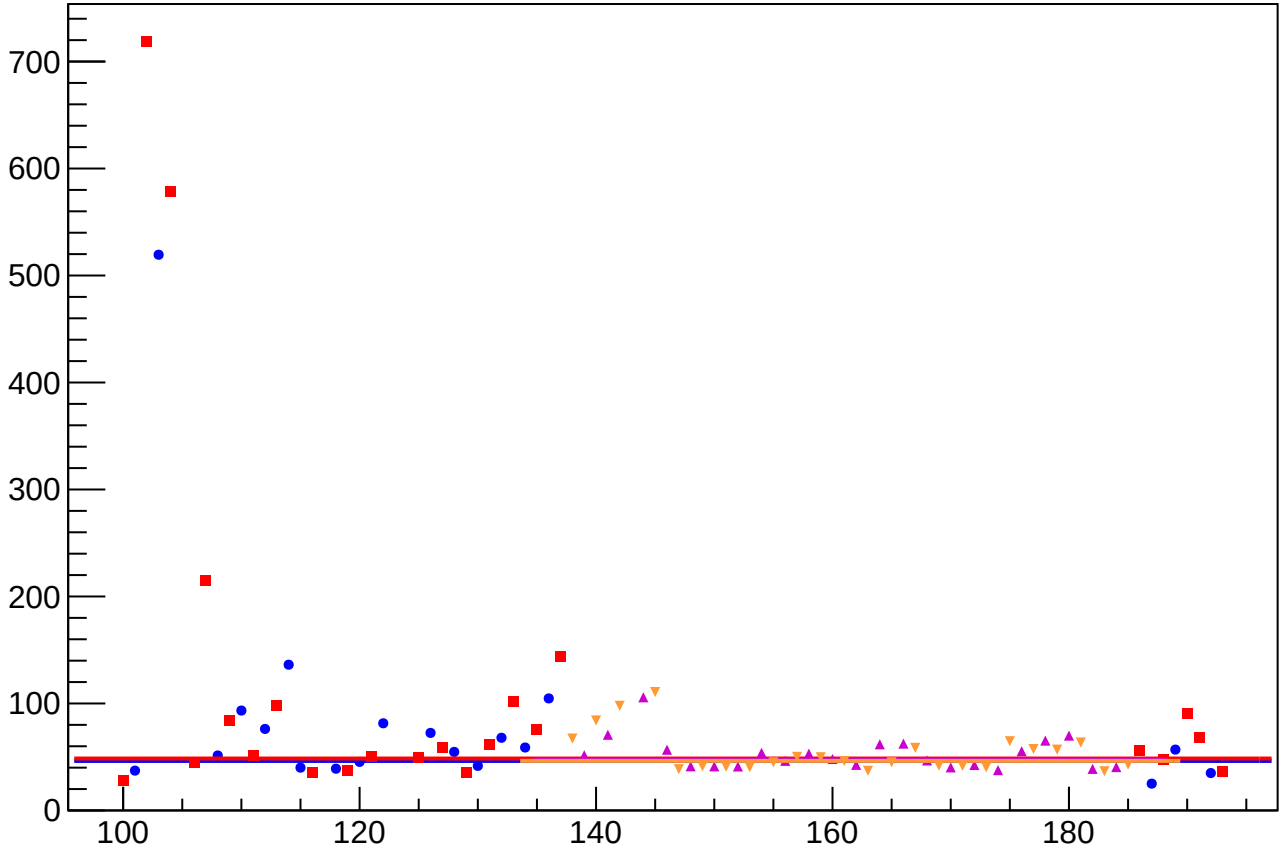
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign -0.002+/-0.010 χ^2/NDF: 45.1/42

All: 0.002+/-0.007 χ^2/NDF: 81.9/88

\- sign 0.005+/-0.010 χ^2/NDF: 36.5/45

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

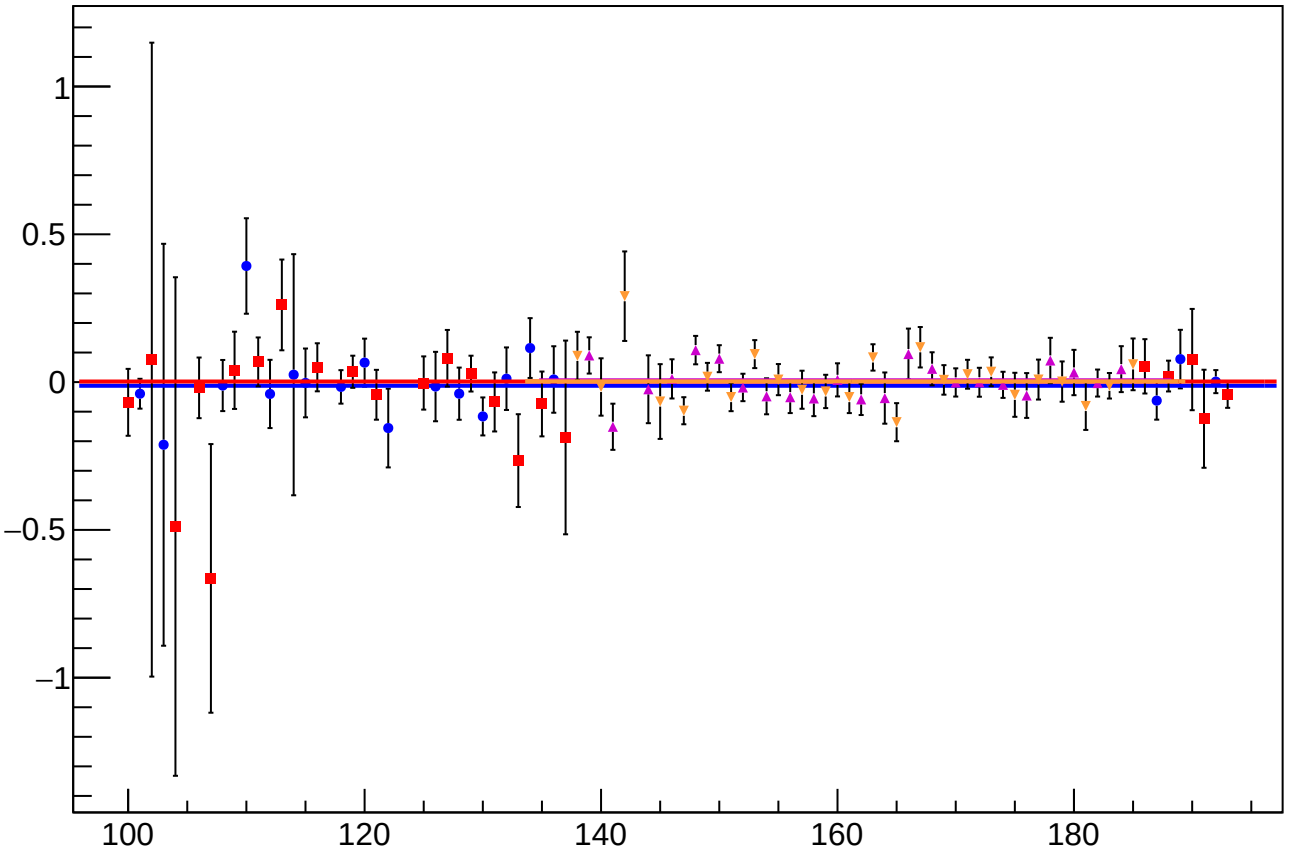
Right Out: 48.532+/-0.013 χ^2/NDF: 3386479.5/22

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 46.336+/-0.007 χ^2/NDF: 4779602.5/42

All: 47.084+/-0.005 χ^2/NDF: 9768826.2/88

- sign 47.860+/-0.007 χ^2/NDF: 4966377.7/45



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: 0.002+/-0.019 χ^2/NDF: 14.9/22

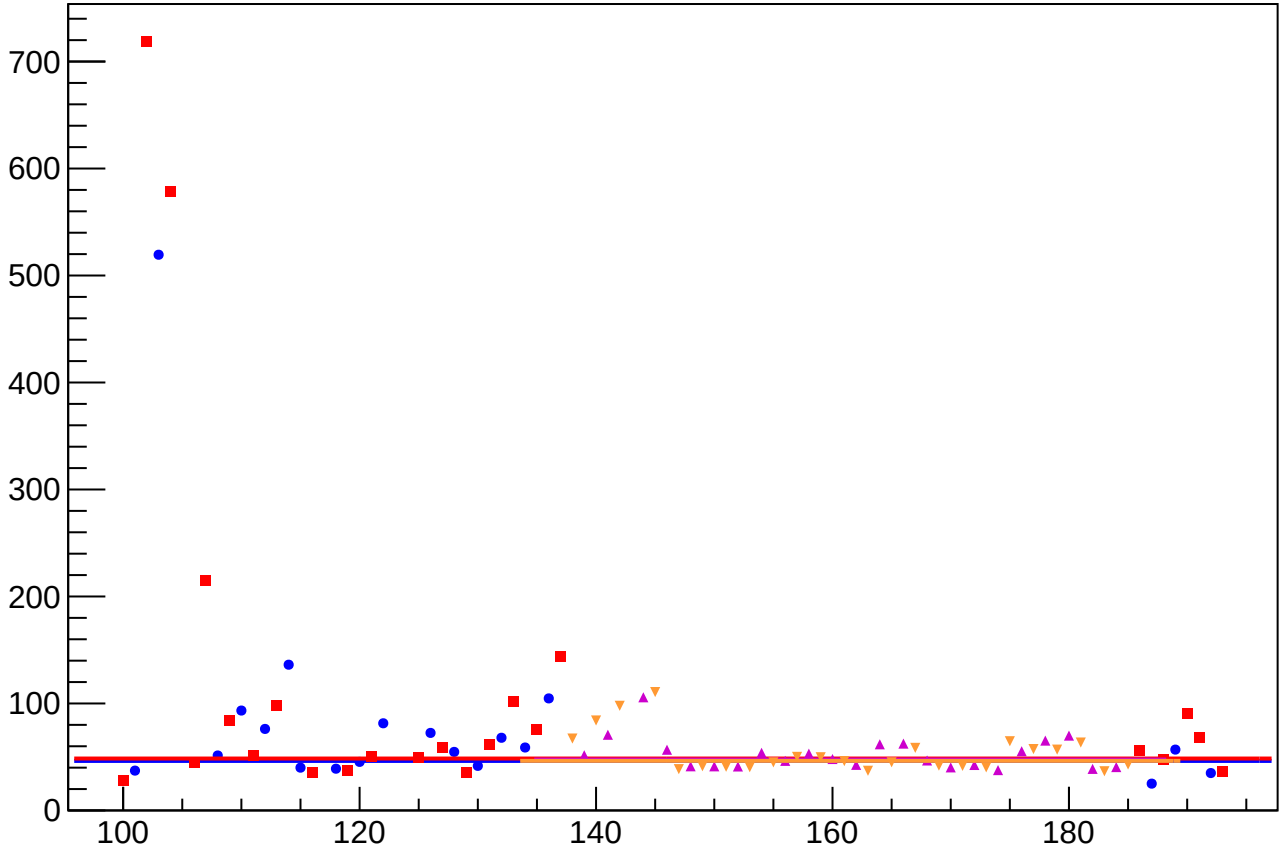
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.010 χ^2/NDF: 45.1/42

All: 0.002+/-0.007 χ^2/NDF: 81.9/88

- sign 0.005+/-0.010 χ^2/NDF: 36.5/45

asym_usl_atl1_avg_dit_vs_eigen_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

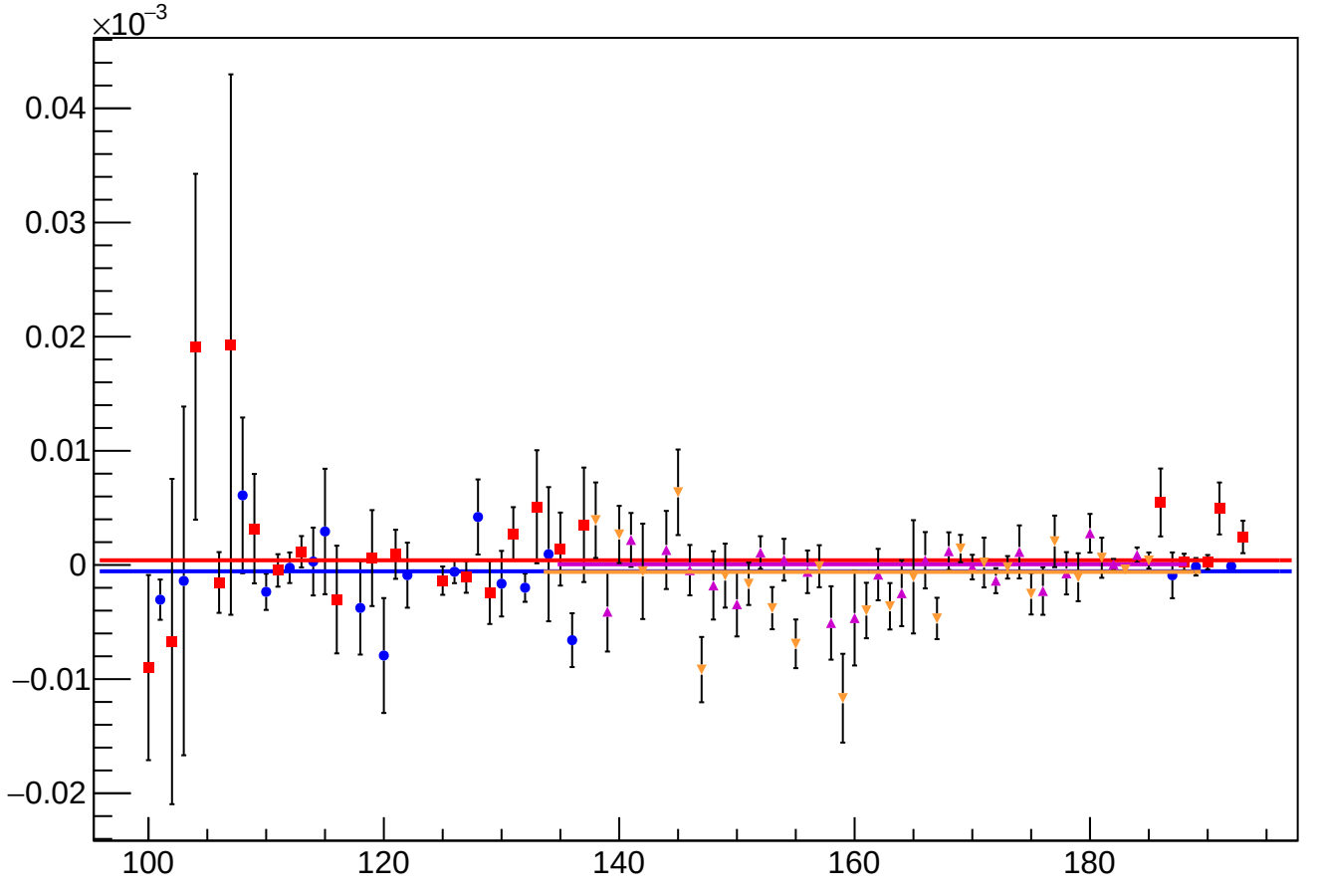
Right Out: 48.532+/-0.013 χ^2/NDF: 3386479.5/22

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

\+ sign 46.336+/-0.007 χ^2/NDF: 4779602.5/42

All: 47.084+/-0.005 χ^2/NDF: 9768826.2/88

\- sign 47.860+/-0.007 χ^2/NDF: 4966377.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

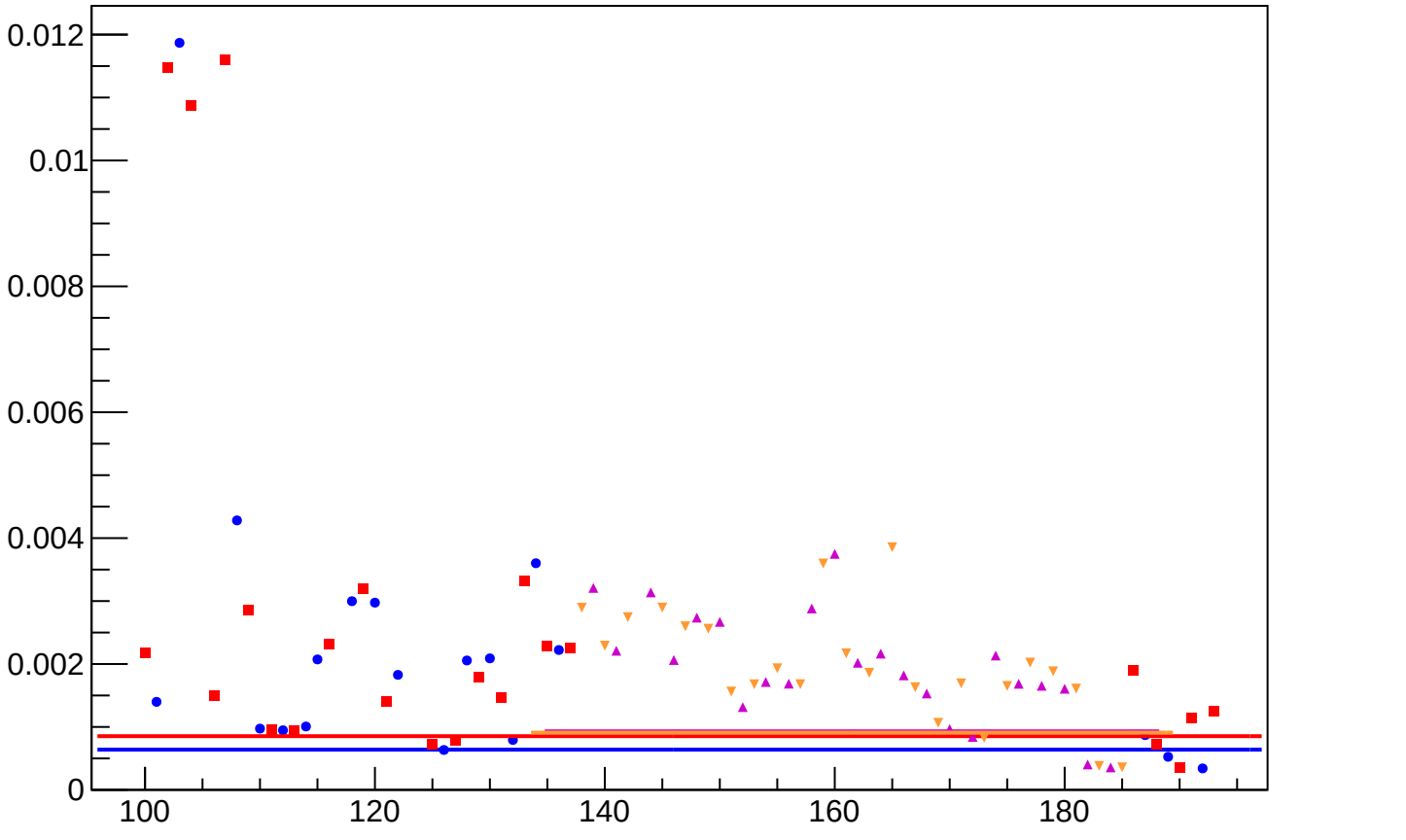
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/22

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: 120.2/88

- sign 0.000+/-0.000 χ^2/NDF: 40.1/45



Right In: 0.001+/-0.000 χ^2/NDF: 7282388.5/18

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

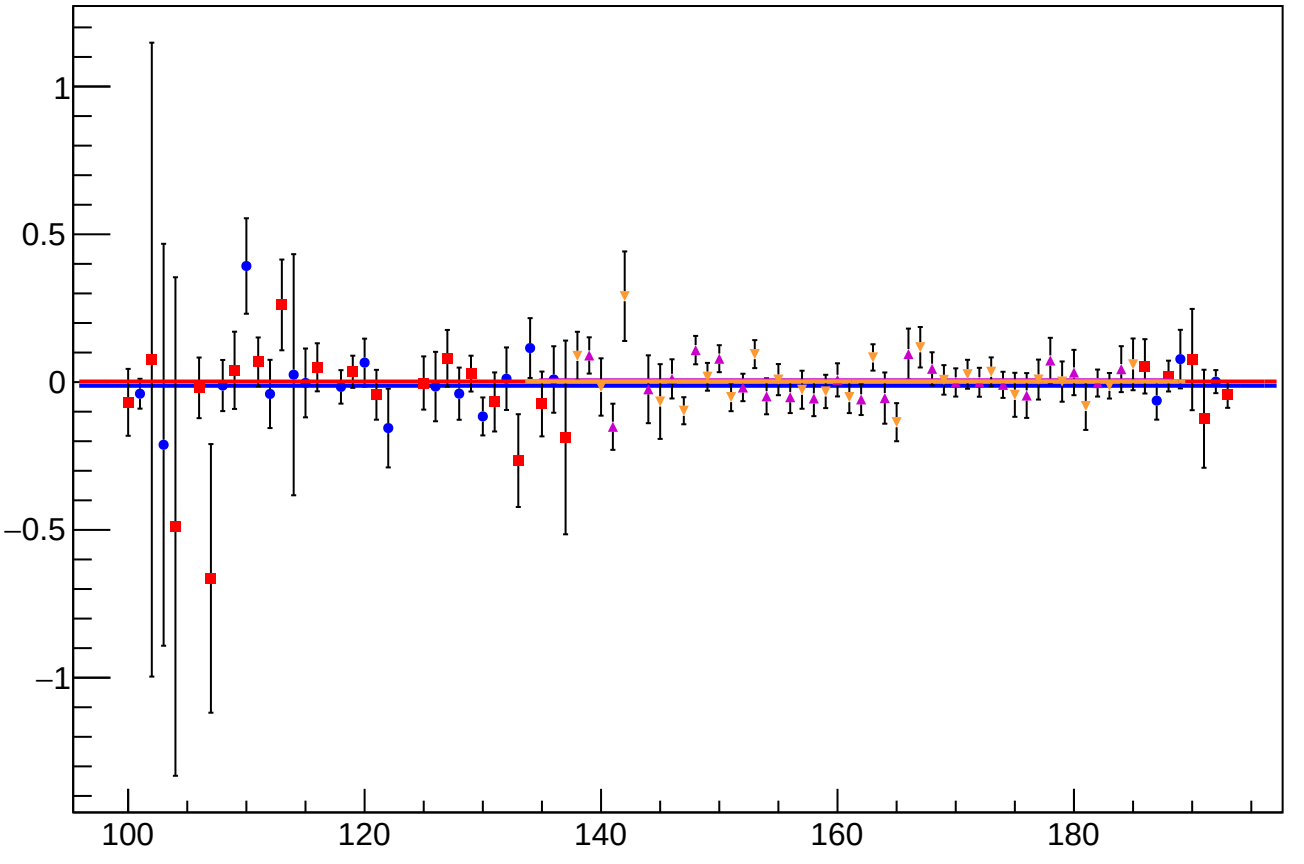
Right Out: 0.001+/-0.000 χ^2/NDF: 7096232.8/22

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: 43482554.6/88

- sign 0.001+/-0.000 χ^2/NDF: 20847423.9/45



Right In: -0.012+/-0.018 χ^2/NDF: 14.8/18

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

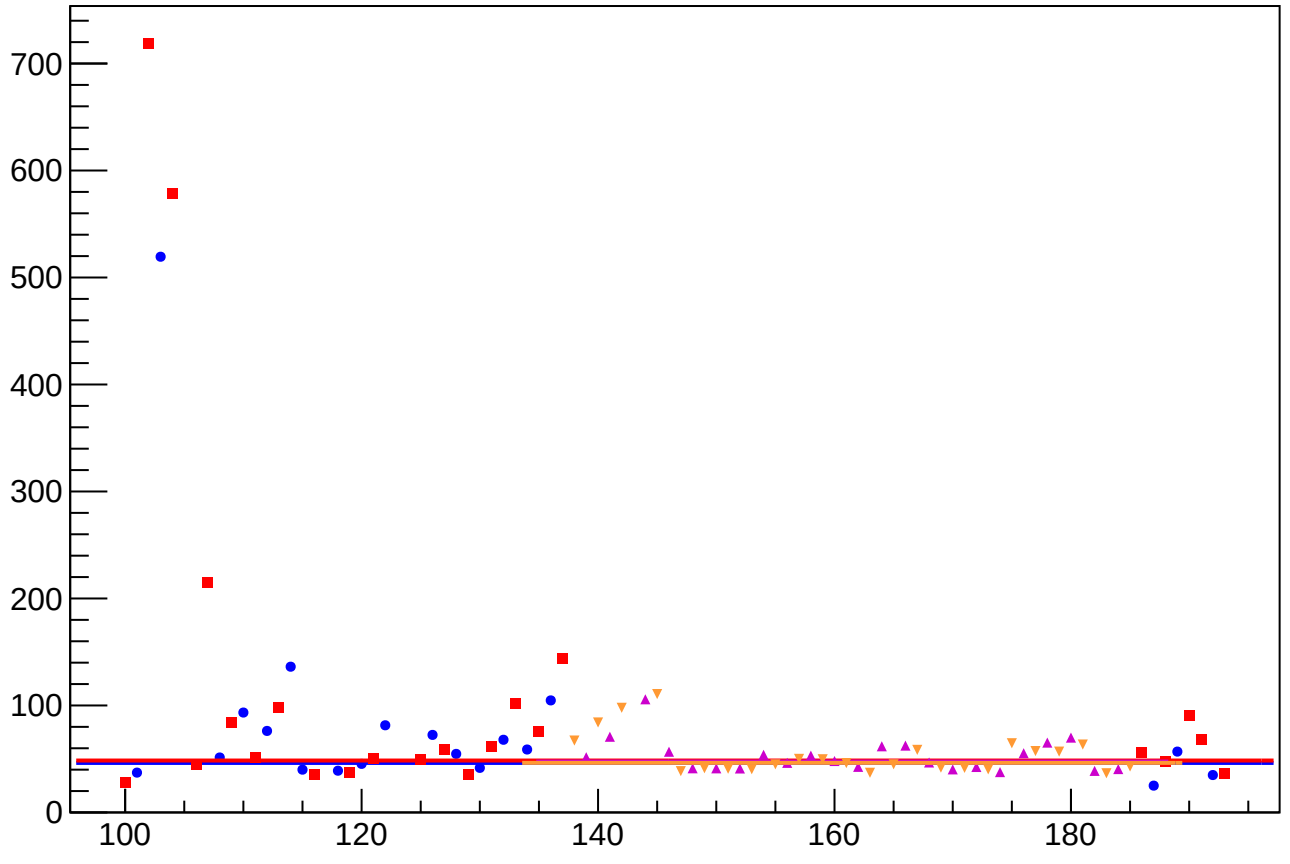
Right Out: 0.002+/-0.019 χ^2/NDF: 14.9/22

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.010 χ^2/NDF: 45.1/42

All: 0.002+/-0.007 χ^2/NDF: 81.9/88

- sign 0.005+/-0.010 χ^2/NDF: 36.5/45



Right In: 46.295+/-0.013 χ^2/NDF: 2811826.0/18

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

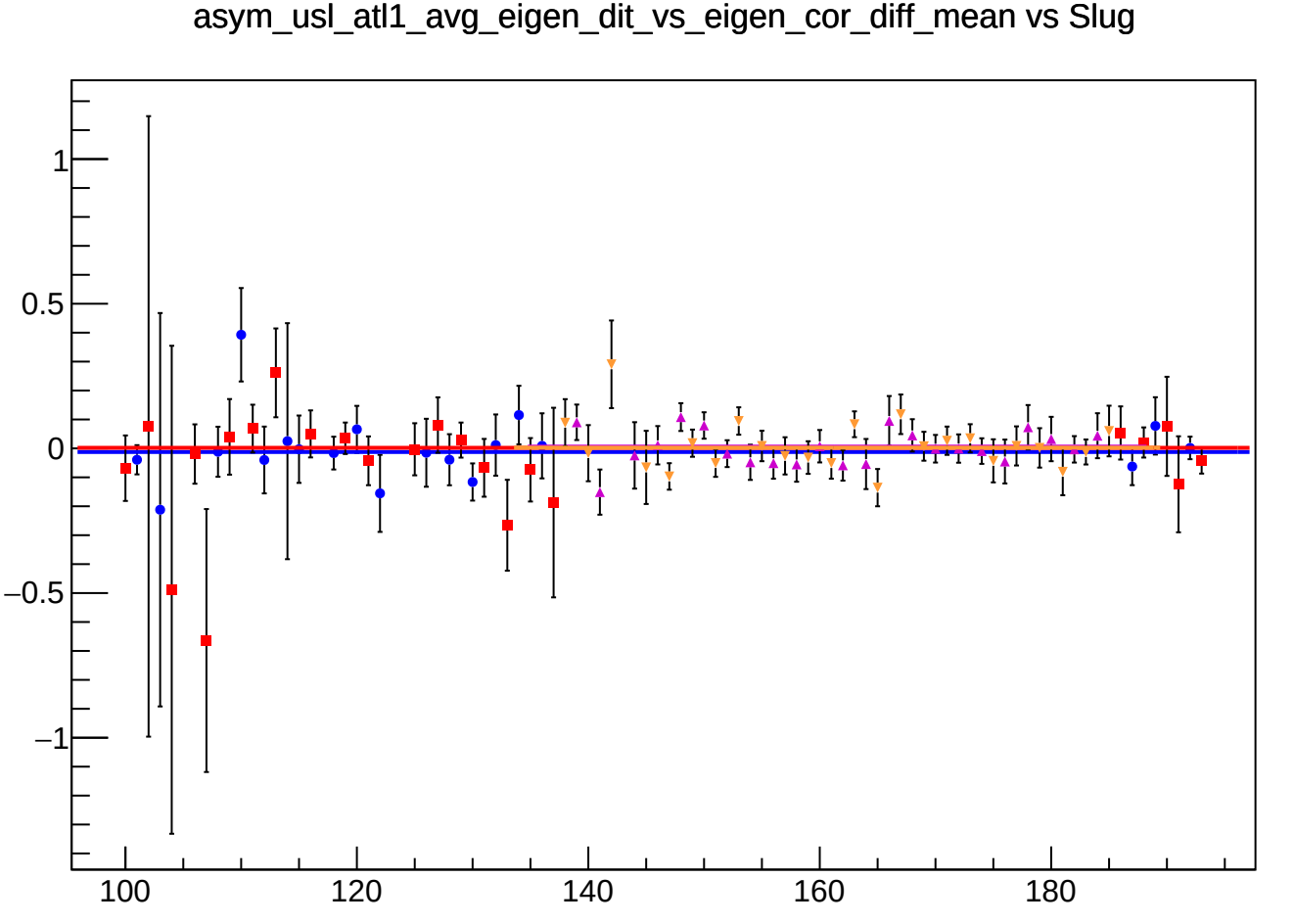
Right Out: 48.532+/-0.013 χ^2/NDF: 3386470.9/22

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.336+/-0.007 χ^2/NDF: 4779581.6/42

All: 47.085+/-0.005 χ^2/NDF: 9768798.9/88

- sign 47.860+/-0.007 χ^2/NDF: 4966374.7/45



Right In: -0.012+/-0.018 χ^2/NDF: 14.8/18

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

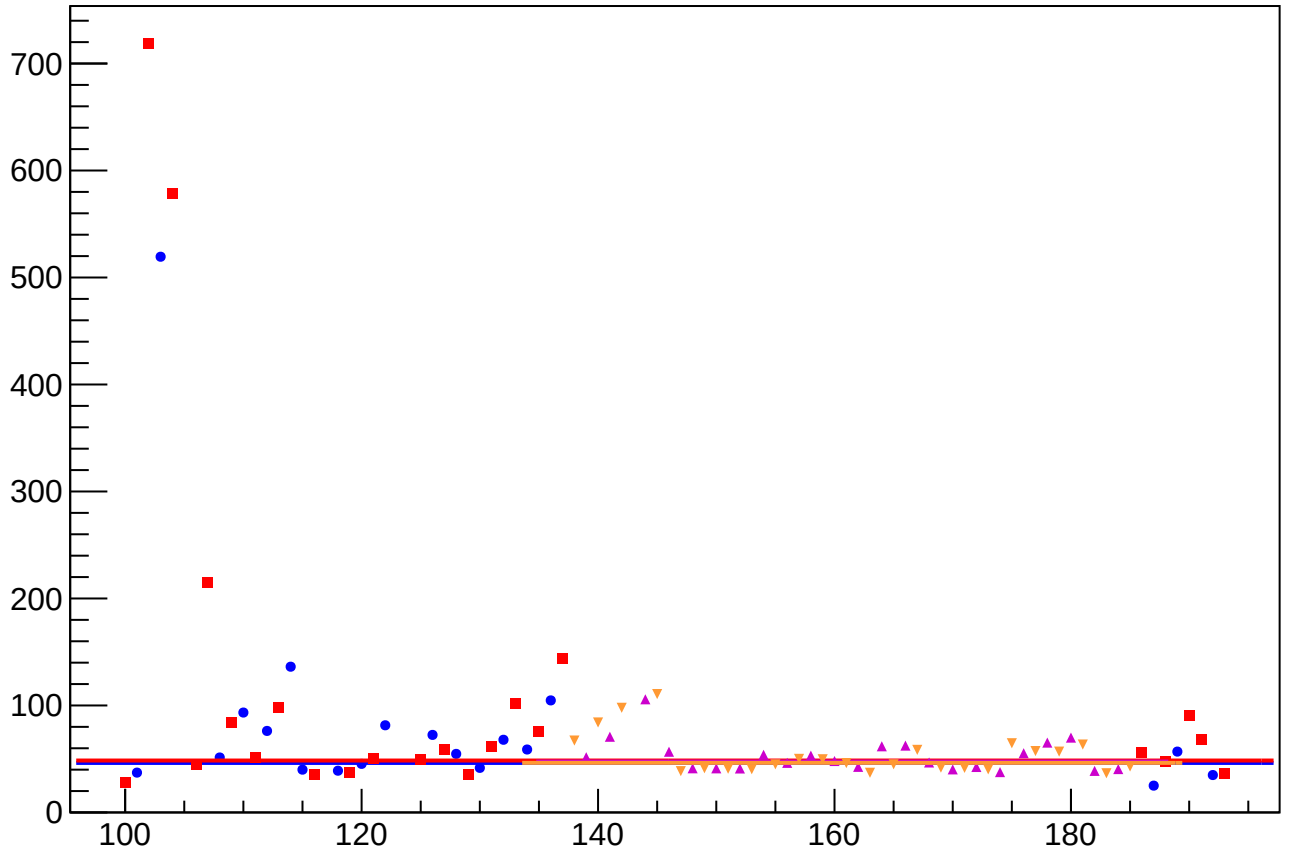
Right Out: 0.002+/-0.019 χ^2/NDF: 14.9/22

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.010 χ^2/NDF: 45.1/42

All: 0.002+/-0.007 χ^2/NDF: 81.9/88

- sign 0.005+/-0.010 χ^2/NDF: 36.5/45



Right In: 46.295+/-0.013 χ^2/NDF: 2811826.0/18

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

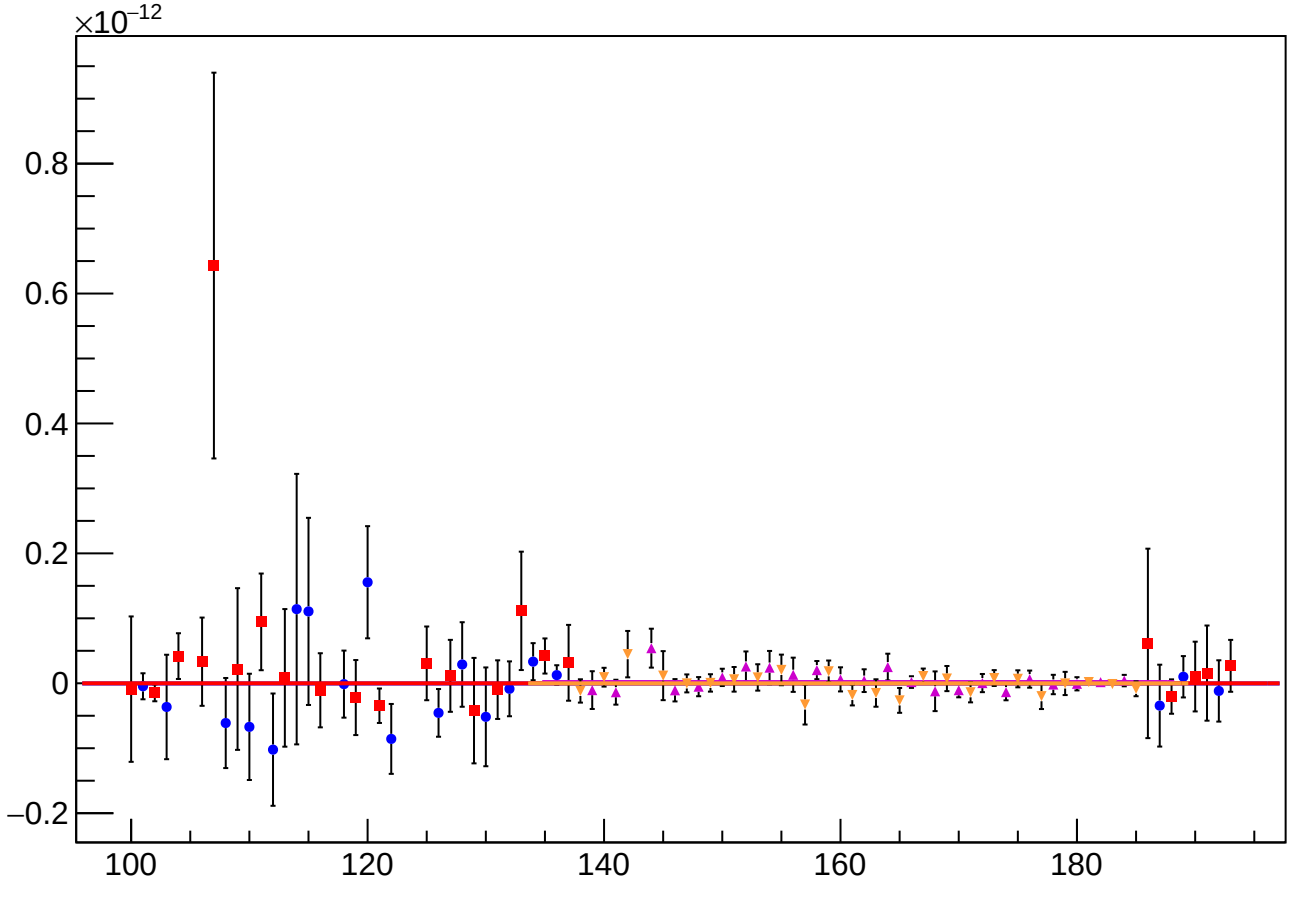
Right Out: 48.532+/-0.013 χ^2/NDF: 3386470.9/22

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.336+/-0.007 χ^2/NDF: 4779581.6/42

All: 47.085+/-0.005 χ^2/NDF: 9768798.9/88

- sign 47.860+/-0.007 χ^2/NDF: 4966374.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

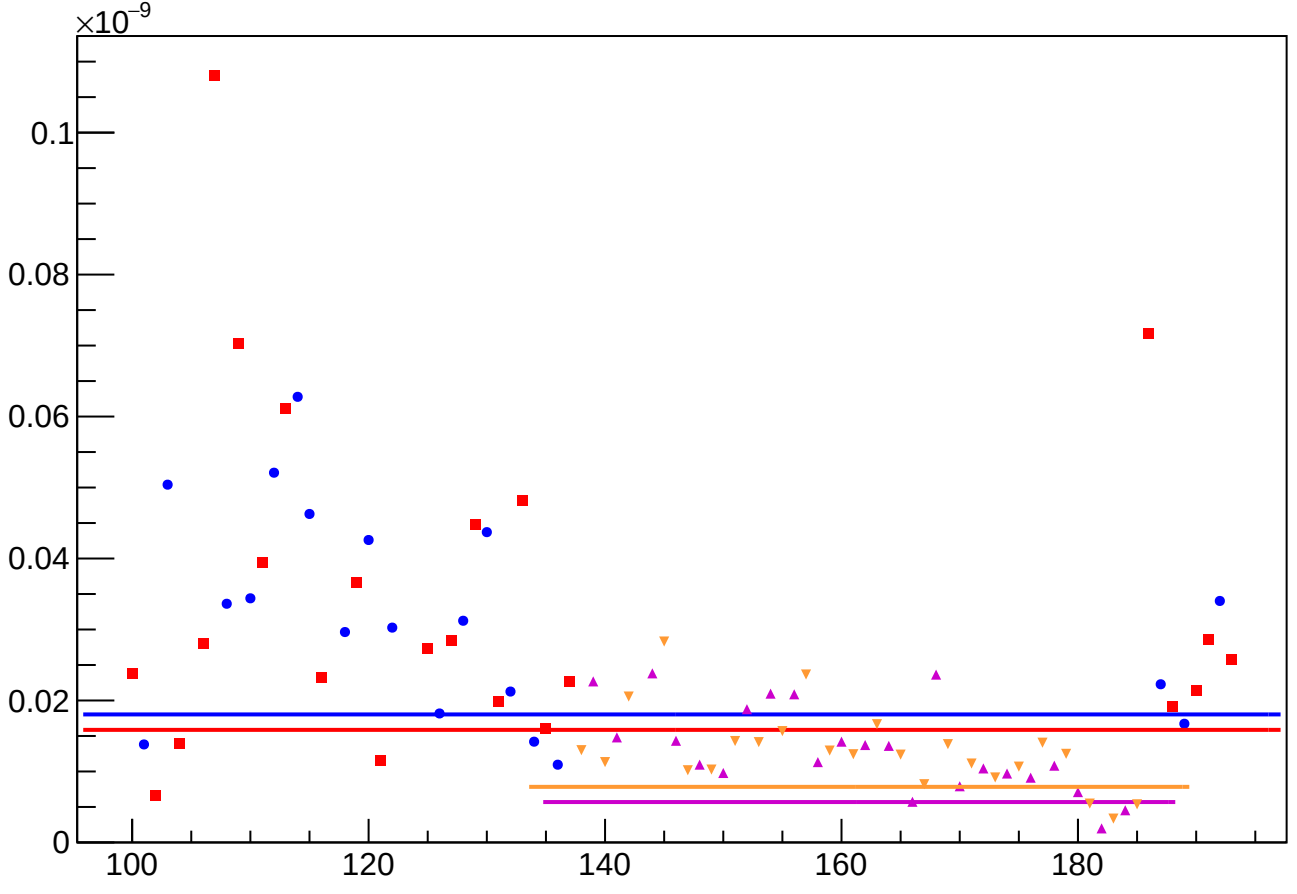
Right Out: -0.000+/-0.000 χ^2/NDF: 17.3/22

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: 59.5/88

- sign 0.000+/-0.000 χ^2/NDF: 30.7/45



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: 3837950.9/22

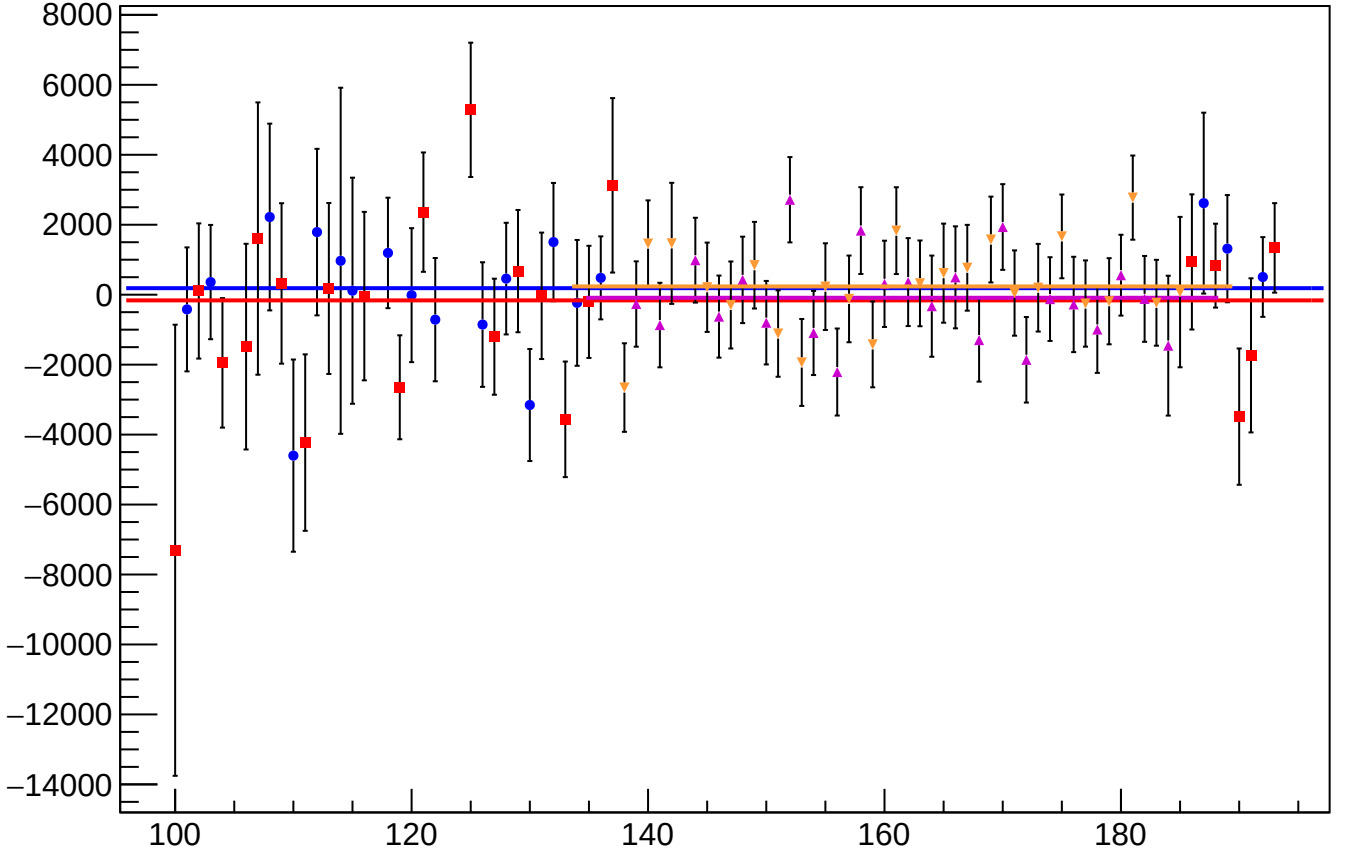
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11396647.0/42

All: 0.000+/-0.000 χ^2/NDF: 30382741.7/88

- sign 0.000+/-0.000 χ^2/NDF: 17962472.1/45

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: -162.801+/-392.935 χ^2/NDF: 30.7/22

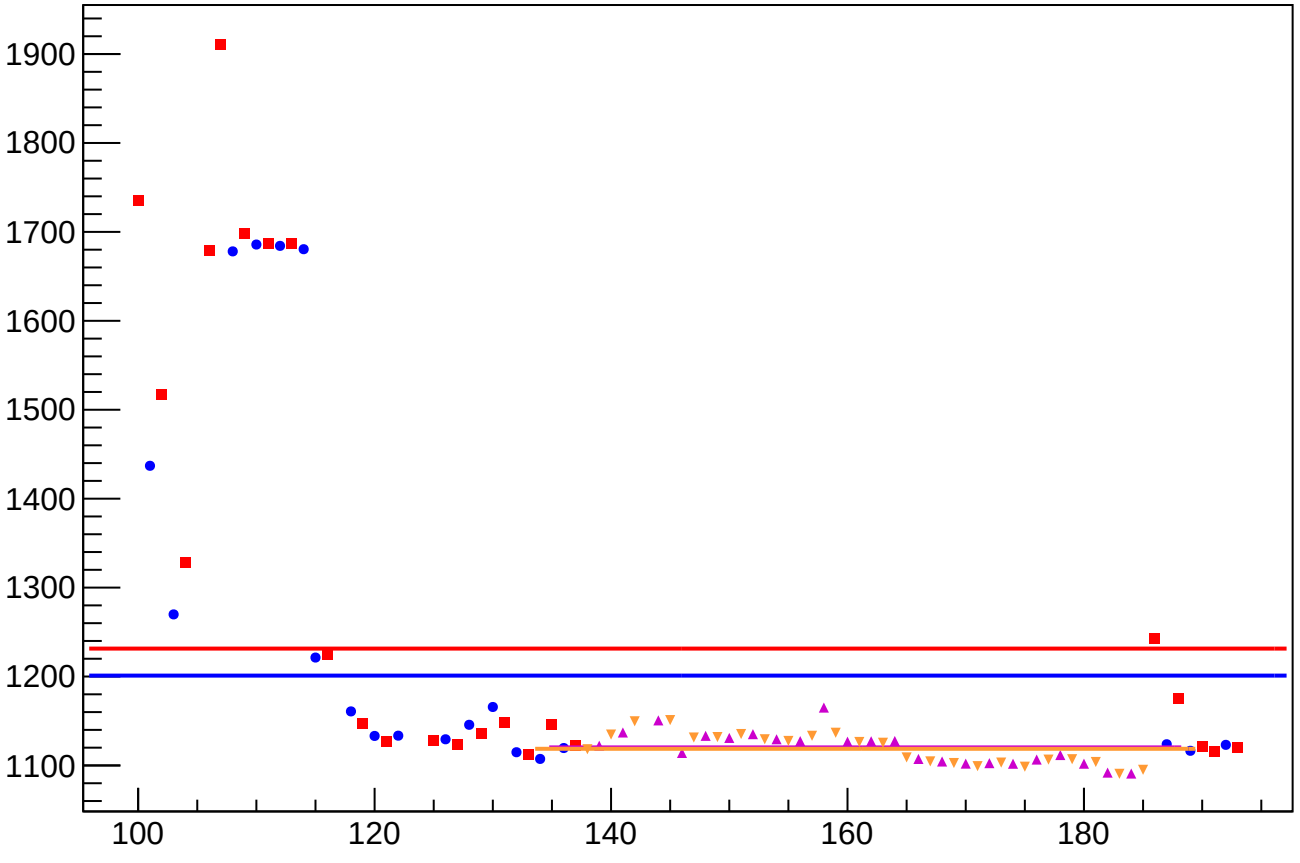
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 221.970+/-218.646 χ^2/NDF: 34.6/42

All: 54.688+/-154.291 χ^2/NDF: 87.4/88

- sign -111.236+/-217.757 χ^2/NDF: 51.6/45

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: 1231.414+/-0.278 χ^2/NDF: 475409.5/22

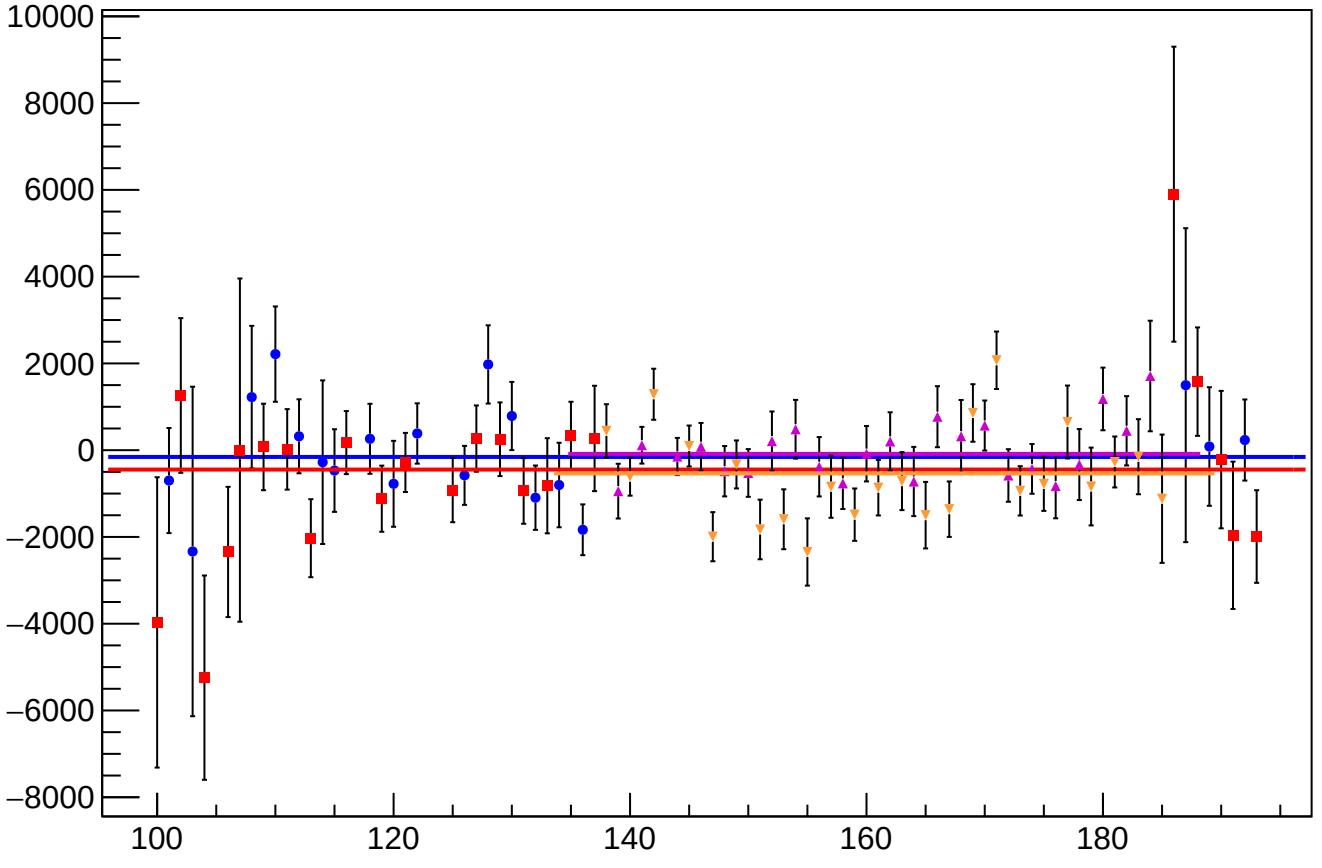
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1142.684+/-0.155 χ^2/NDF: 383718.6/42

All: 1148.581+/-0.109 χ^2/NDF: 982300.9/88

- sign 1154.431+/-0.154 χ^2/NDF: 595684.1/45

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: -446.951+/-211.184 χ^2/NDF: 25.8/22

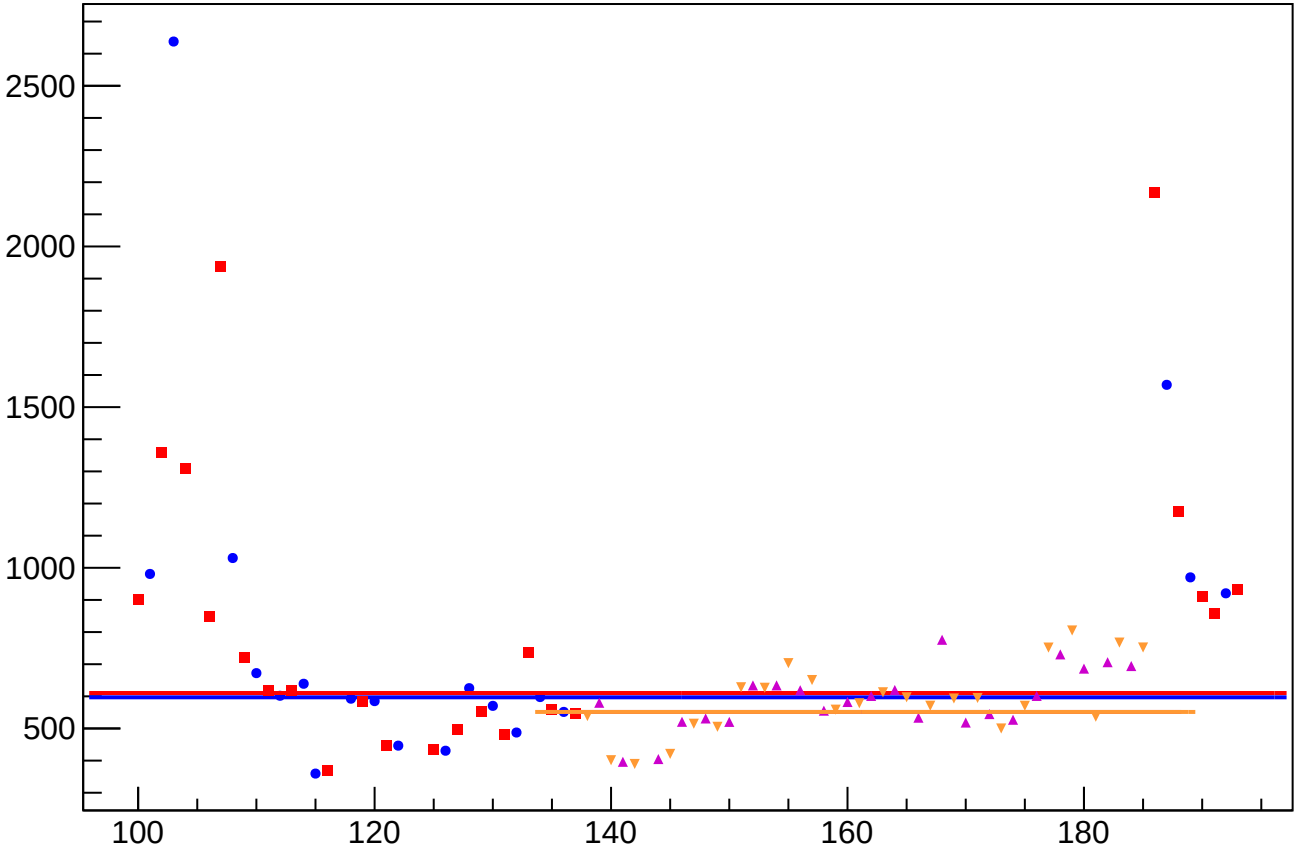
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -432.520+/-111.472 χ^2/NDF: 89.6/42

All: -308.930+/-78.762 χ^2/NDF: 137.1/88

- sign -185.720+/-111.301 χ^2/NDF: 45.1/45

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: 610.364+/-0.149 χ^2/NDF: 2575738.6/22

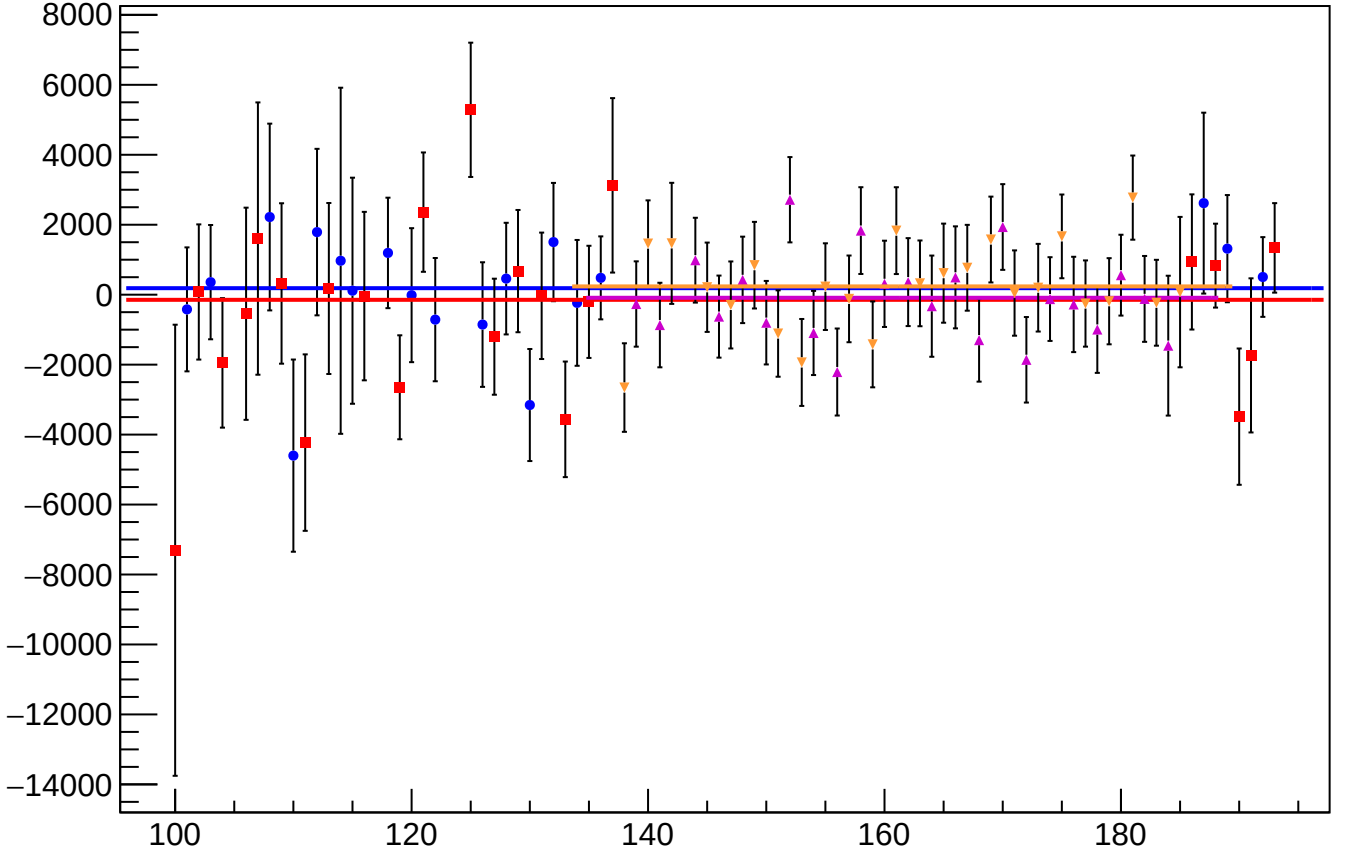
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 563.824+/-0.079 χ^2/NDF: 3151828.3/42

All: 565.781+/-0.056 χ^2/NDF: 6903413.9/88

- sign 567.732+/-0.079 χ^2/NDF: 3750354.5/45

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: -146.873+/-393.147 χ^2/NDF: 30.5/22

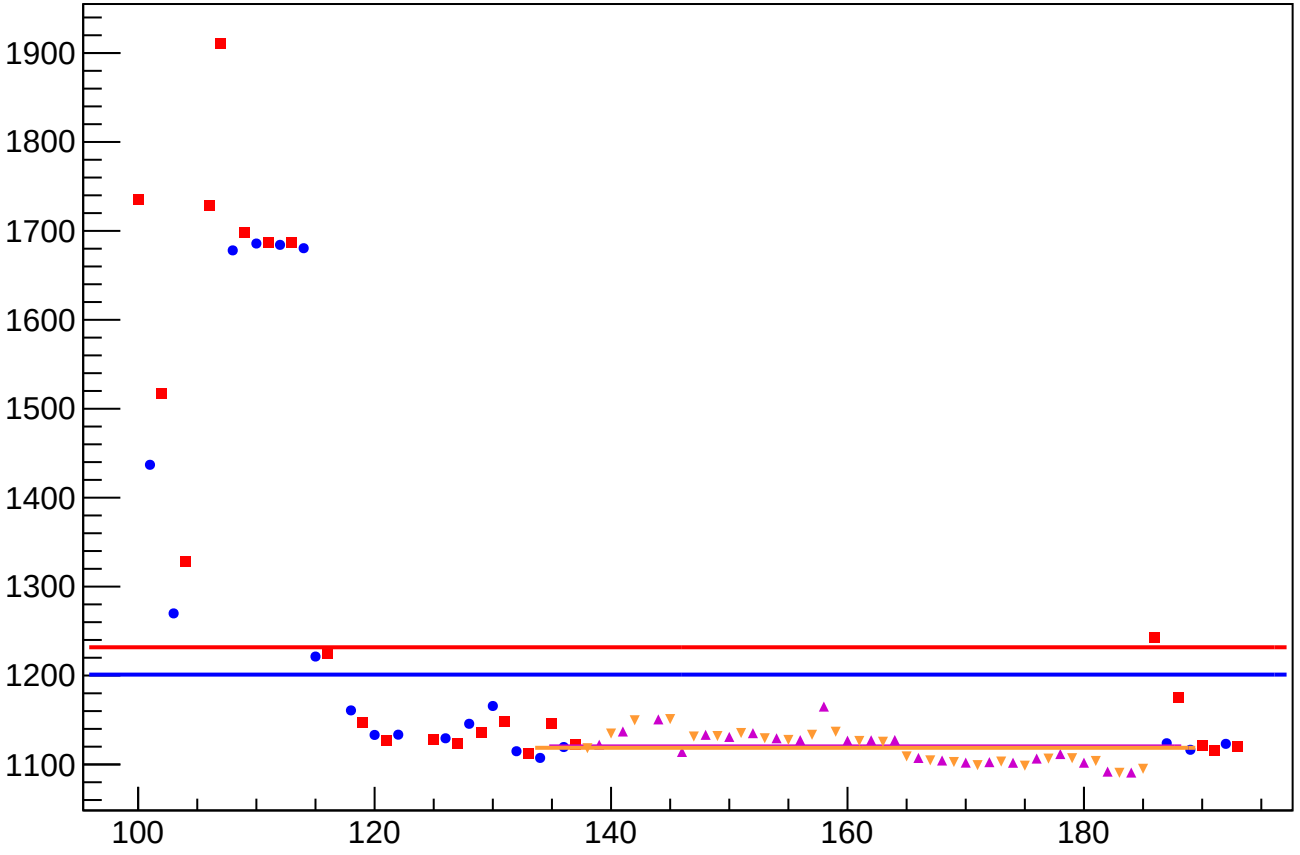
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 221.944+/-218.646 χ^2/NDF: 34.6/42

All: 57.169+/-154.303 χ^2/NDF: 87.1/88

- sign -106.324+/-217.793 χ^2/NDF: 51.4/45

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: 1231.775+/-0.278 χ^2/NDF: 482895.6/22

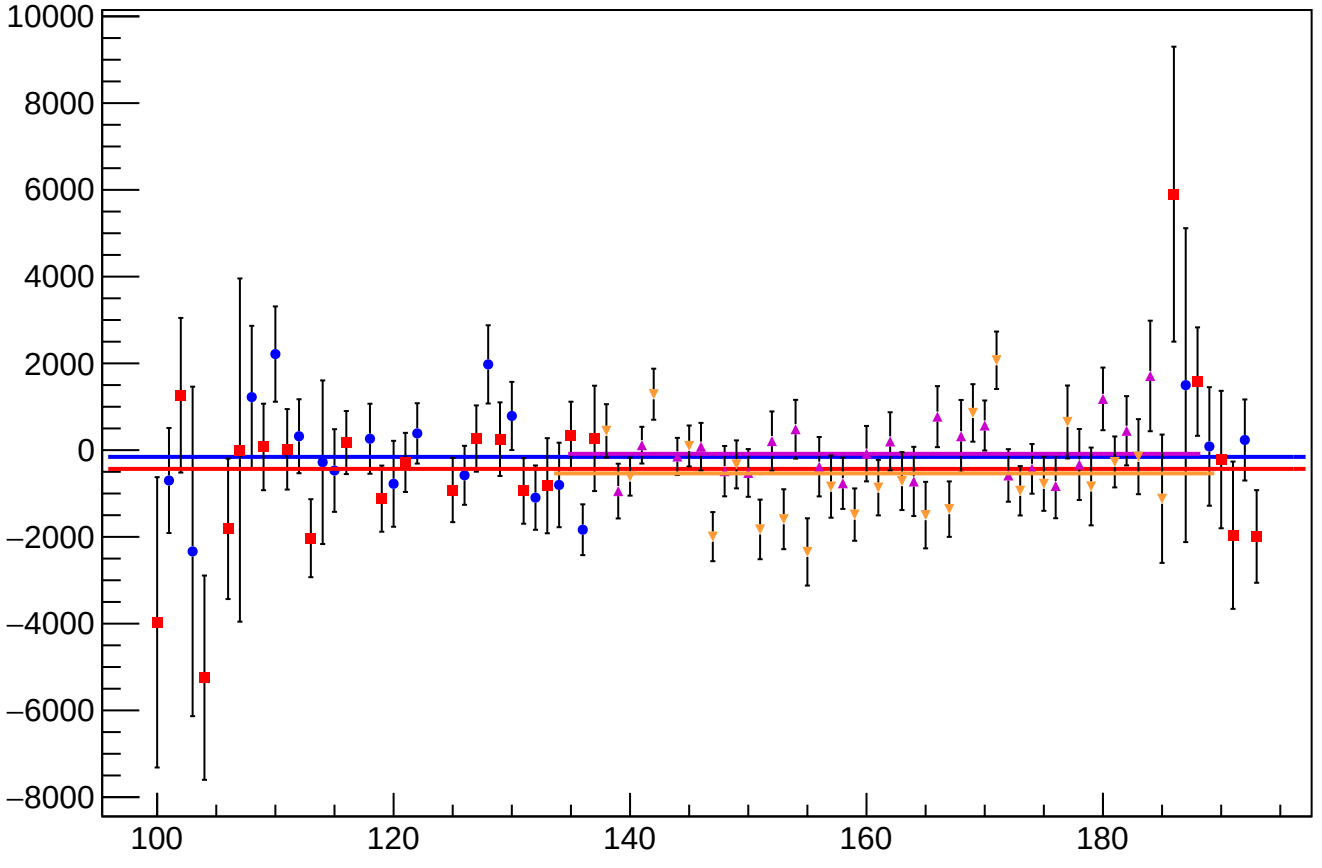
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1142.684+/-0.155 χ^2/NDF: 383718.7/42

All: 1148.623+/-0.109 χ^2/NDF: 990466.1/88

- sign 1154.516+/-0.154 χ^2/NDF: 603807.6/45

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: -432.633+/-211.476 χ^2/NDF: 25.0/22

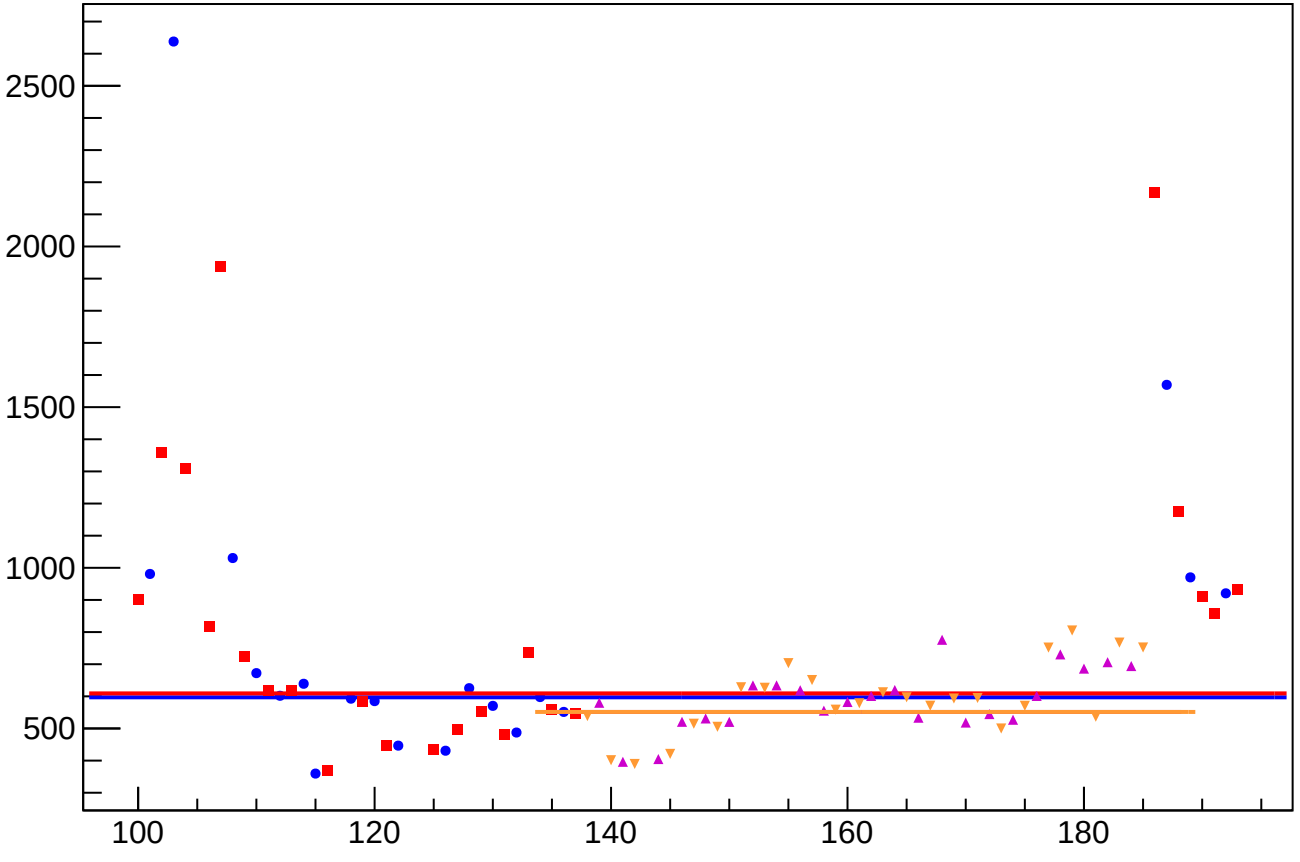
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -432.542+/-111.472 χ^2/NDF: 89.6/42

All: -306.897+/-78.777 χ^2/NDF: 136.1/88

- sign -181.542+/-111.343 χ^2/NDF: 44.0/45

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: 609.171+/-0.150 χ^2/NDF: 2558445.0/22

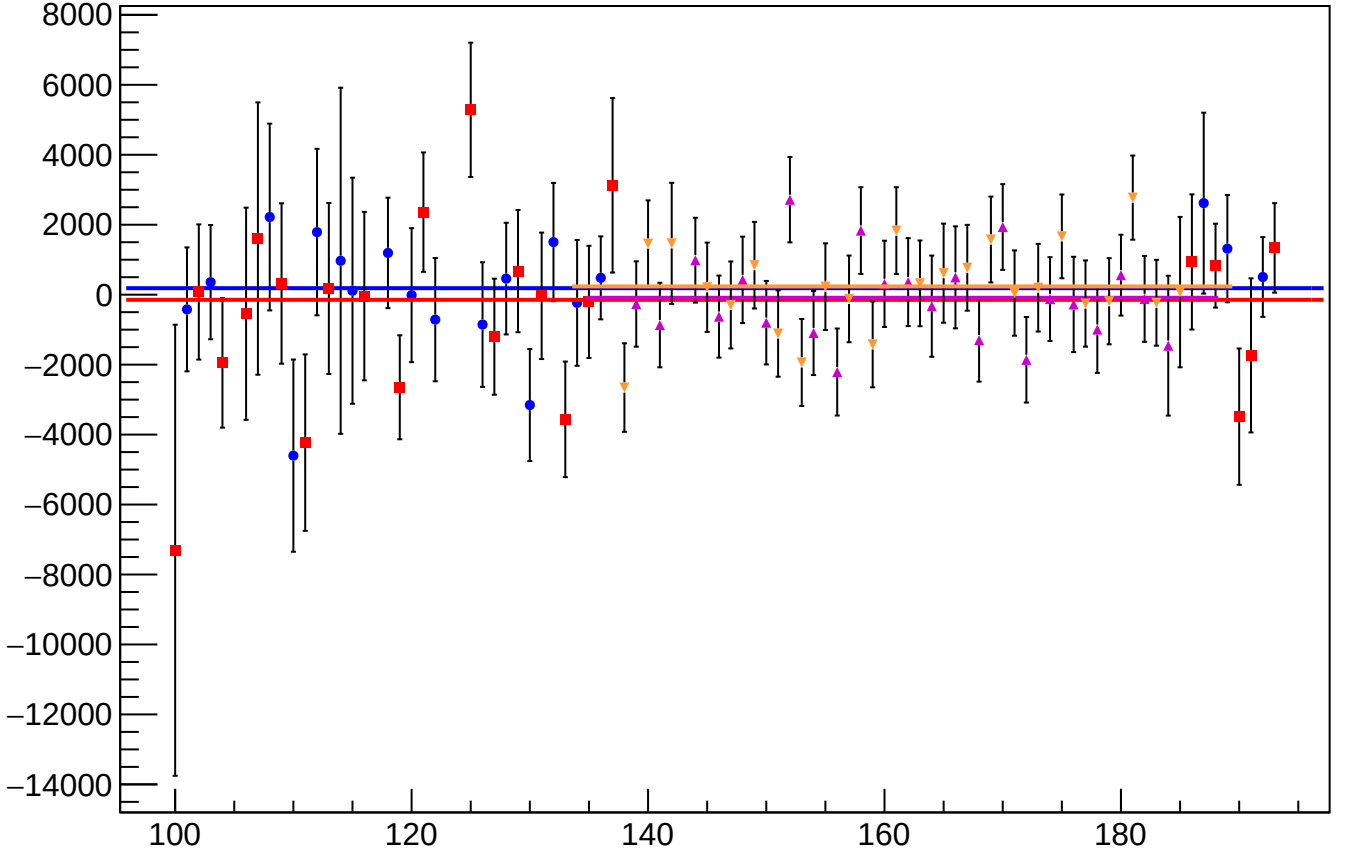
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 563.822+/-0.079 χ^2/NDF: 3151822.5/42

All: 565.597+/-0.056 χ^2/NDF: 6881133.6/88

- sign 567.368+/-0.079 χ^2/NDF: 3728298.3/45

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: -146.873+/-393.147 χ^2/NDF: 30.5/22

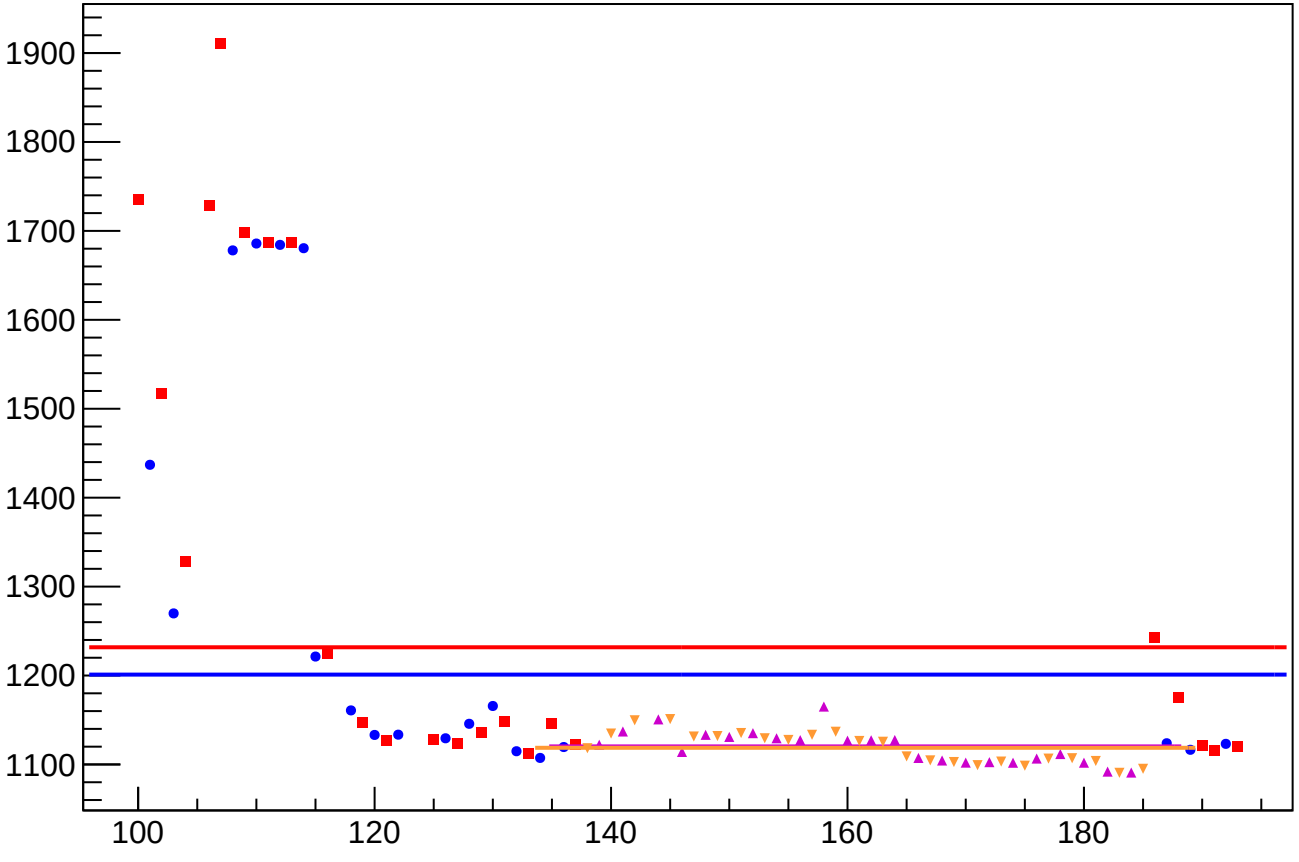
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 221.944+/-218.646 χ^2/NDF: 34.6/42

All: 57.169+/-154.303 χ^2/NDF: 87.1/88

- sign -106.324+/-217.793 χ^2/NDF: 51.4/45

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: 1231.775+/-0.278 χ^2/NDF: 482895.6/22

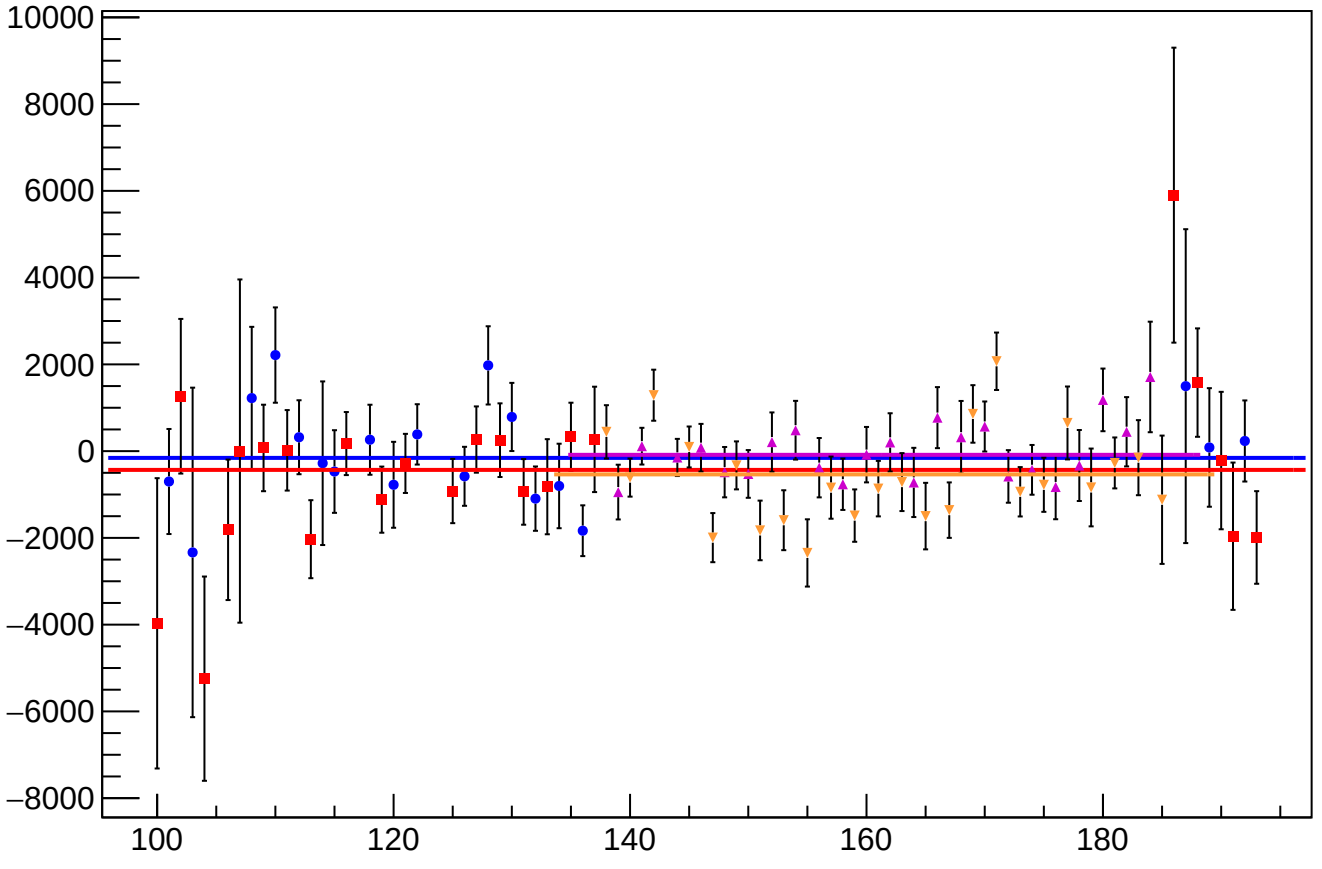
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1142.684+/-0.155 χ^2/NDF: 383718.7/42

All: 1148.623+/-0.109 χ^2/NDF: 990466.1/88

- sign 1154.516+/-0.154 χ^2/NDF: 603807.6/45

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

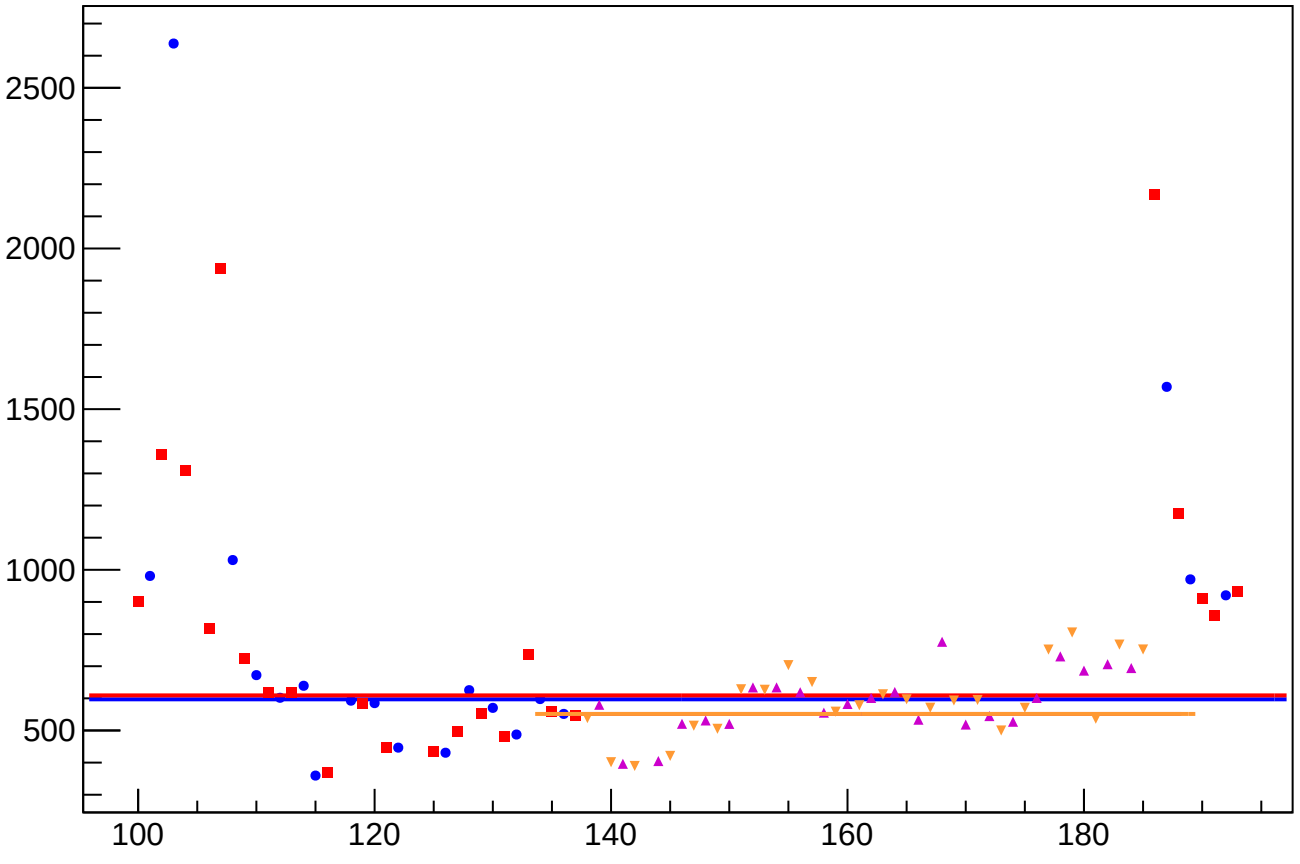
Right Out: -432.633+/-211.476 χ^2/NDF: 25.0/22

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -432.542+/-111.472 χ^2/NDF: 89.6/42

All: -306.897+/-78.777 χ^2/NDF: 136.1/88

- sign -181.542+/-111.343 χ^2/NDF: 44.0/45



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: 609.171+/-0.150 χ^2/NDF: 2558445.0/22

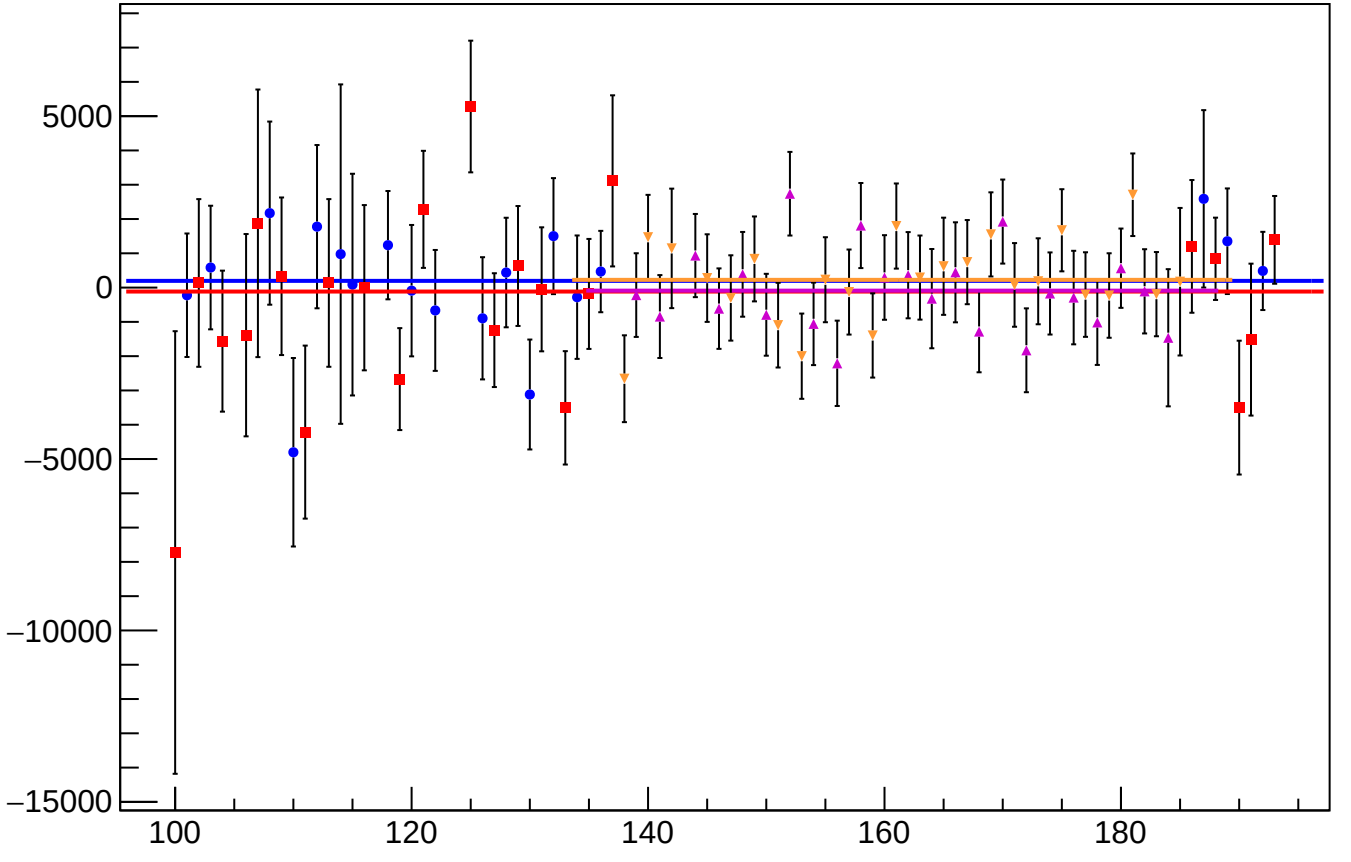
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 563.822+/-0.079 χ^2/NDF: 3151822.5/42

All: 565.597+/-0.056 χ^2/NDF: 6881133.6/88

- sign 567.368+/-0.079 χ^2/NDF: 3728298.3/45

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: -115.343+/-398.106 χ^2/NDF: 30.3/22

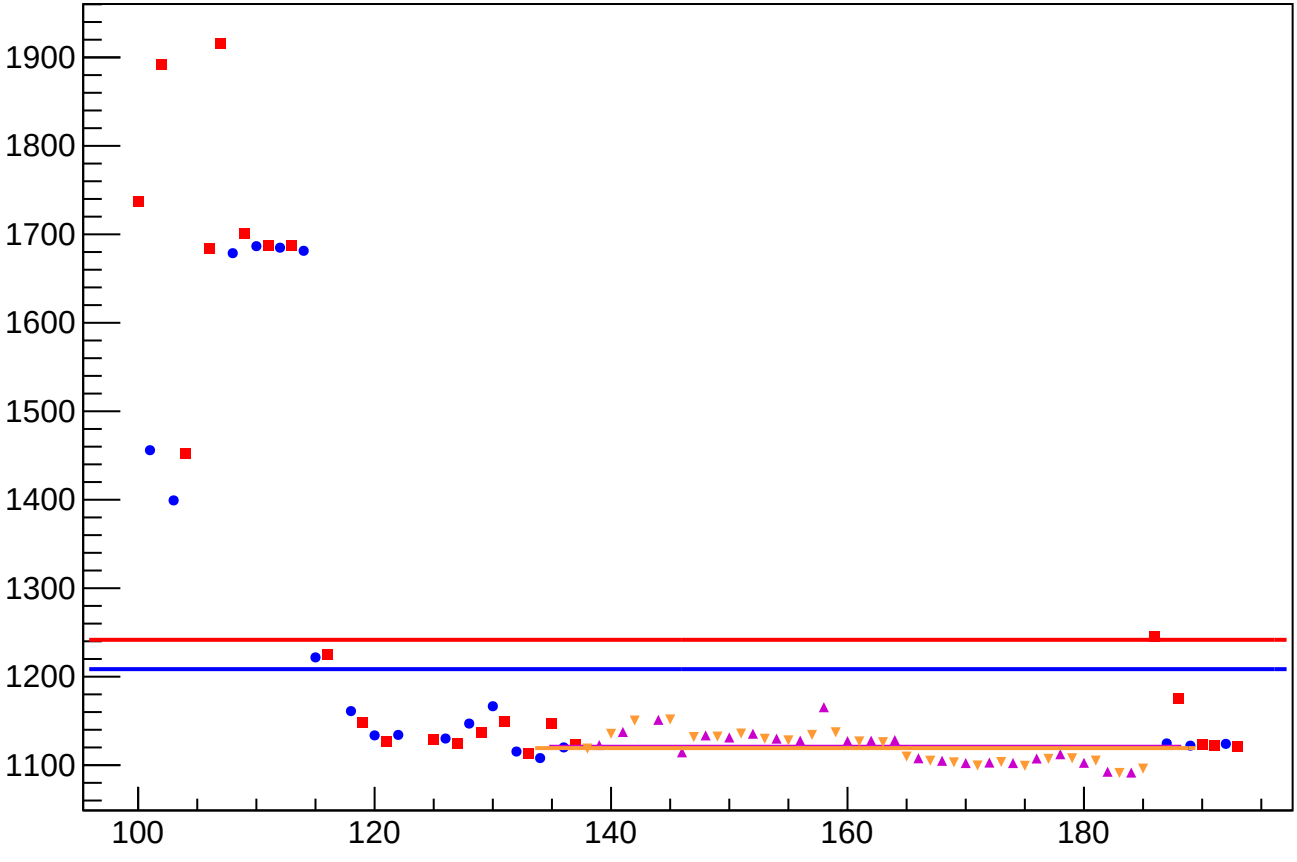
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 217.107+/-219.198 χ^2/NDF: 34.2/42

All: 59.688+/-154.817 χ^2/NDF: 86.1/88

- sign -97.004+/-218.692 χ^2/NDF: 50.8/45

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: 1241.669+/-0.282 χ^2/NDF: 594638.9/22

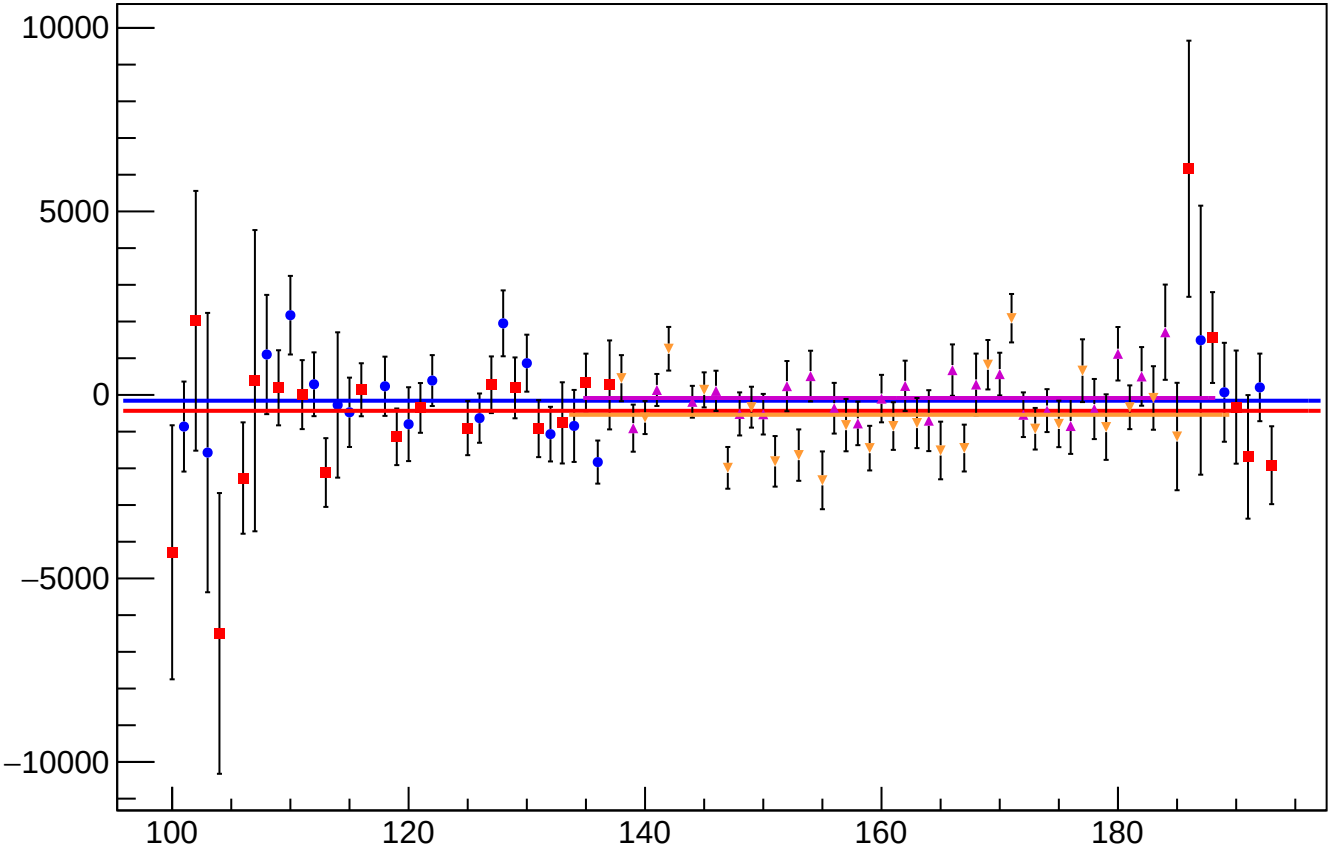
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1144.992+/-0.155 χ^2/NDF: 416613.0/42

All: 1151.147+/-0.109 χ^2/NDF: 1152550.0/88

- sign 1157.274+/-0.155 χ^2/NDF: 732790.0/45

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: -432.976+/-213.823 χ^2/NDF: 23.3/22

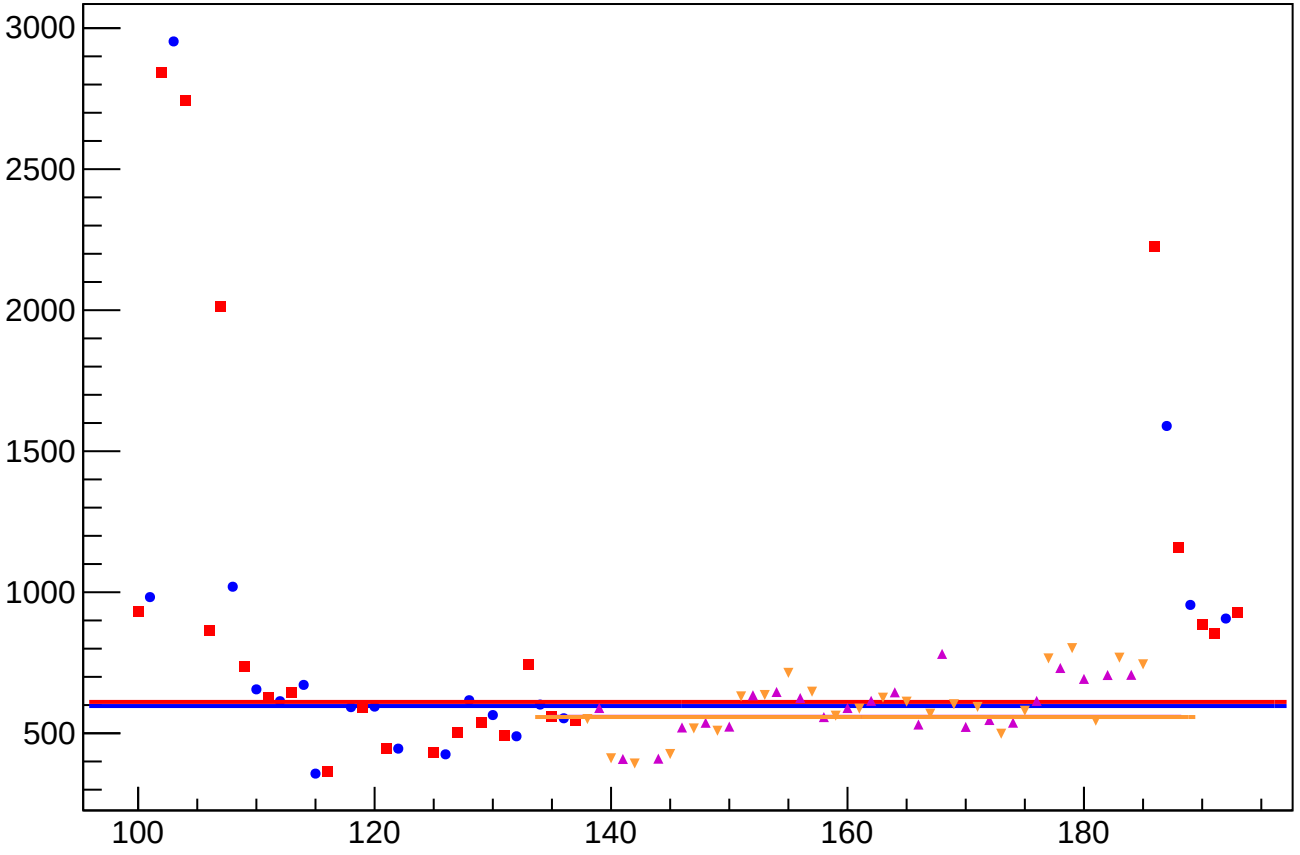
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -435.409+/-112.269 χ^2/NDF: 88.9/42

All: -308.627+/-79.523 χ^2/NDF: 133.1/88

- sign -180.963+/-112.658 χ^2/NDF: 41.7/45

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: 611.198+/-0.151 χ^2/NDF: 3472881.5/22

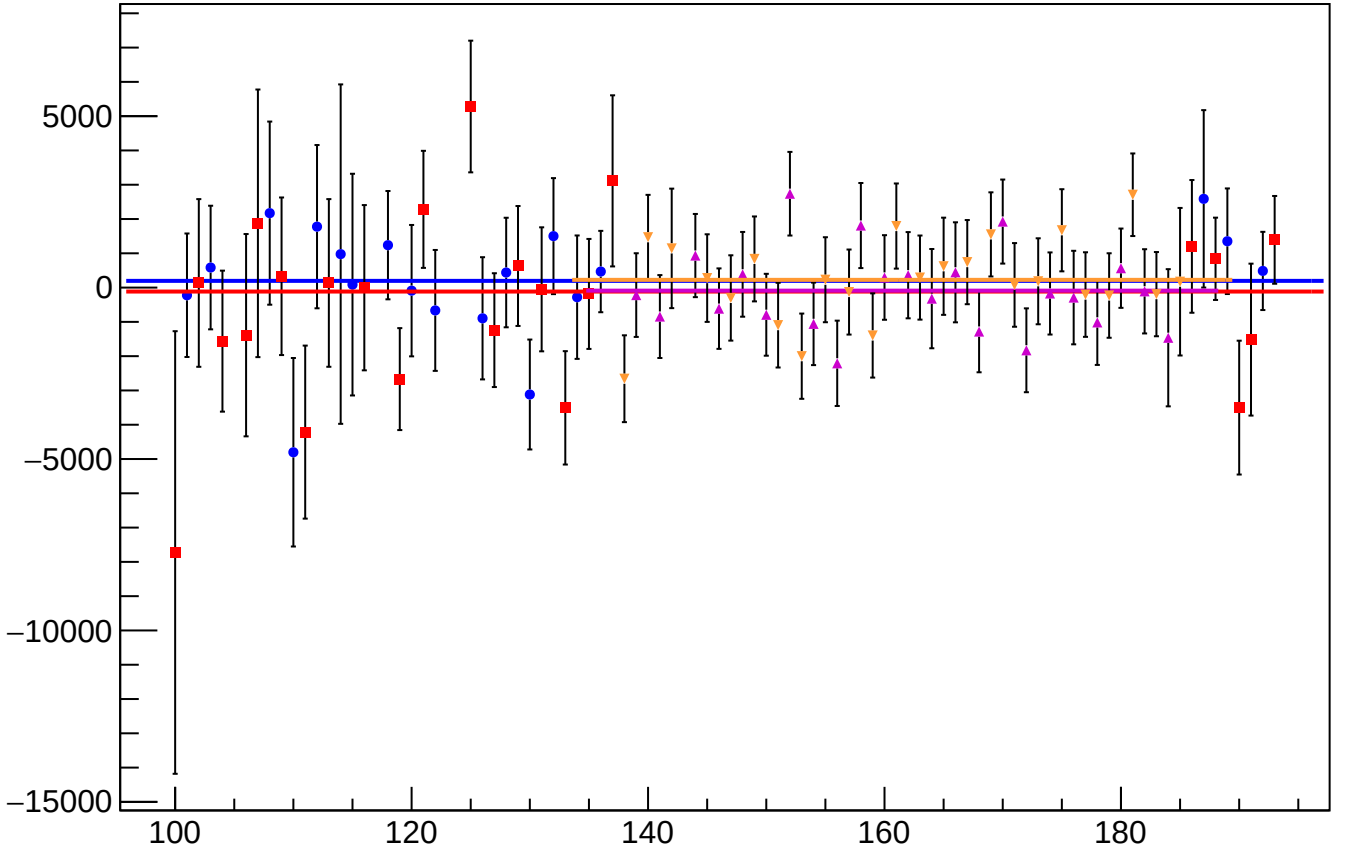
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 568.359+/-0.079 χ^2/NDF: 3277524.2/42

All: 570.697+/-0.056 χ^2/NDF: 7868077.1/88

- sign 573.052+/-0.080 χ^2/NDF: 4588811.5/45

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: -115.343+/-398.106 χ^2/NDF: 30.3/22

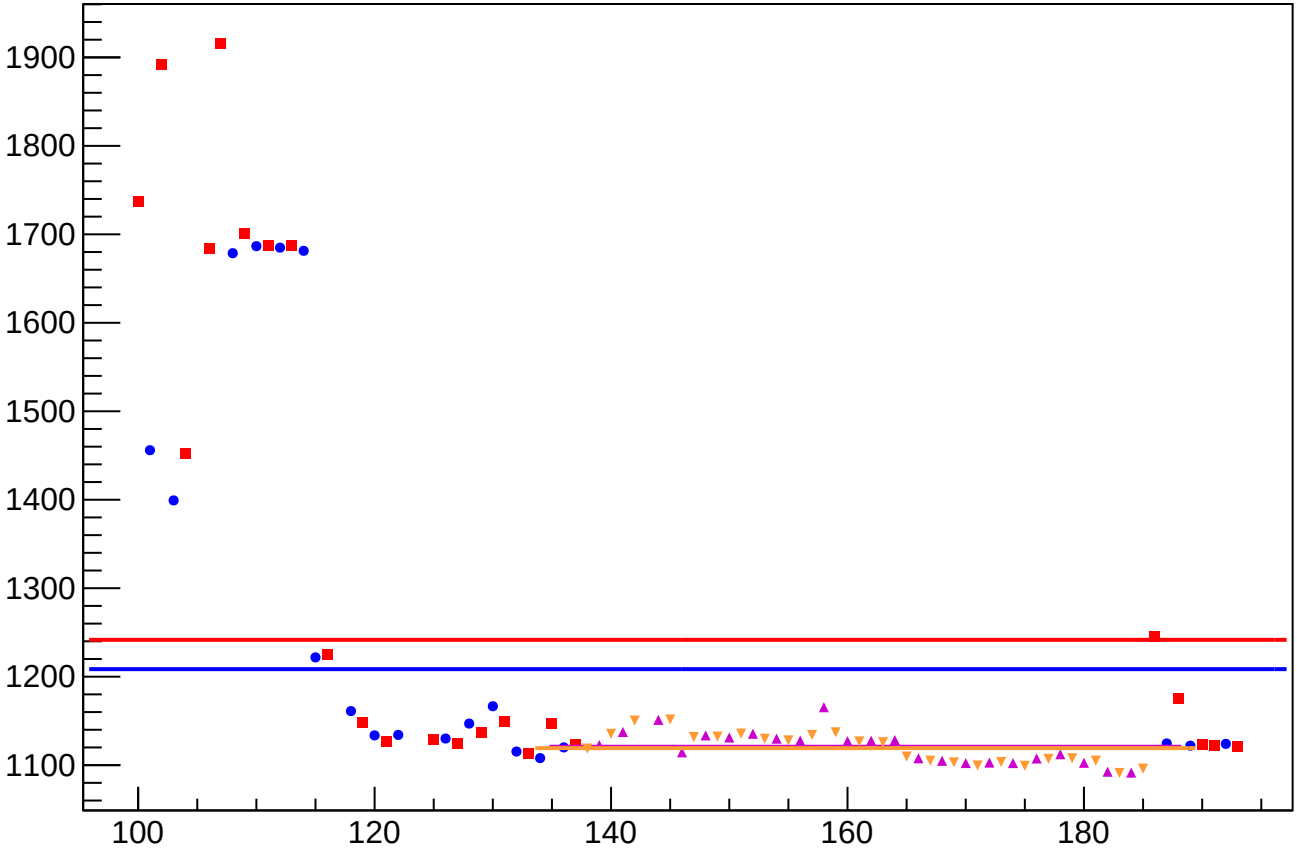
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 217.106+/-219.198 χ^2/NDF: 34.2/42

All: 59.688+/-154.817 χ^2/NDF: 86.1/88

- sign -97.004+/-218.692 χ^2/NDF: 50.8/45

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: 1241.669+/-0.282 χ^2/NDF: 594638.3/22

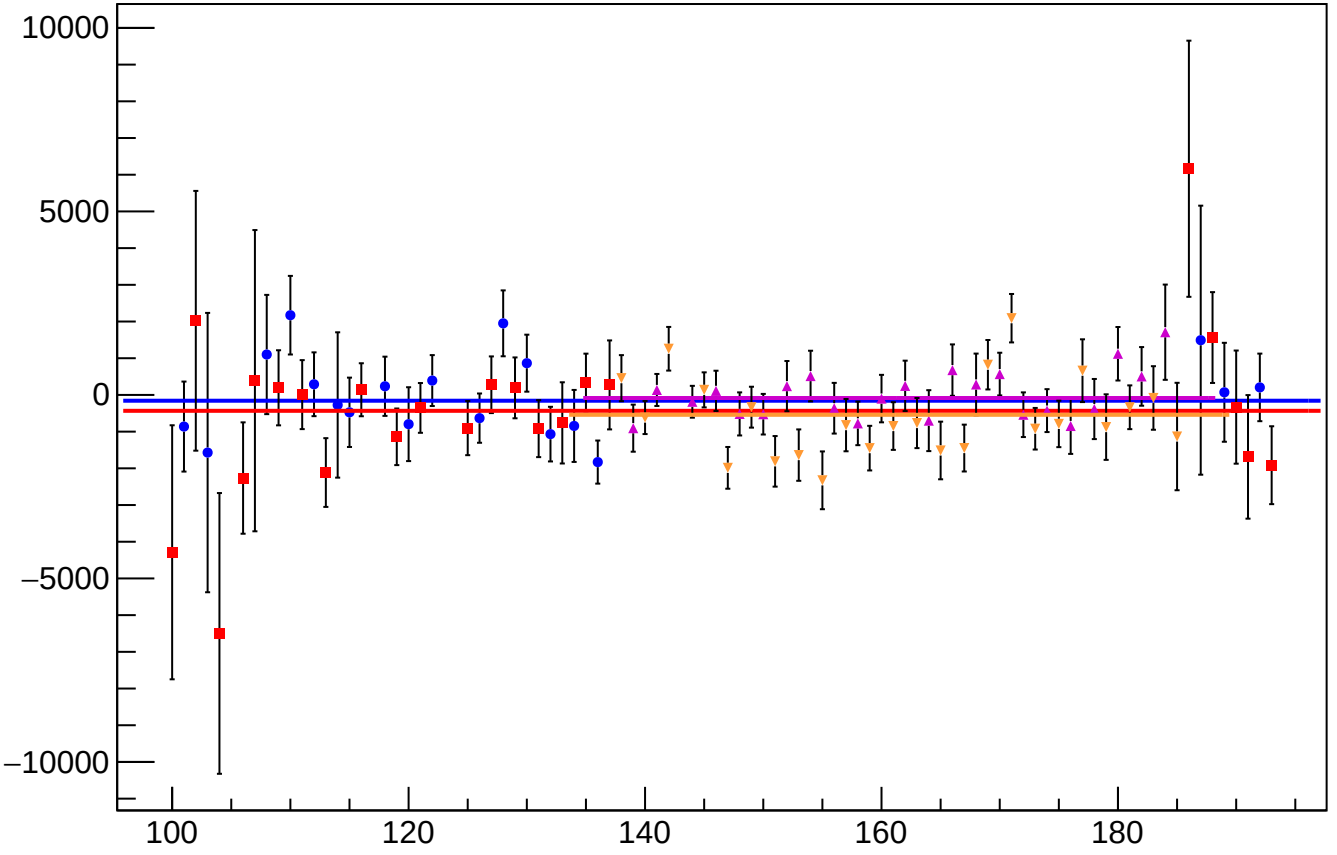
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1144.992+/-0.155 χ^2/NDF: 416612.5/42

All: 1151.147+/-0.109 χ^2/NDF: 1152548.8/88

- sign 1157.274+/-0.155 χ^2/NDF: 732789.2/45

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



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: -432.976+/-213.822 χ^2/NDF: 23.3/22

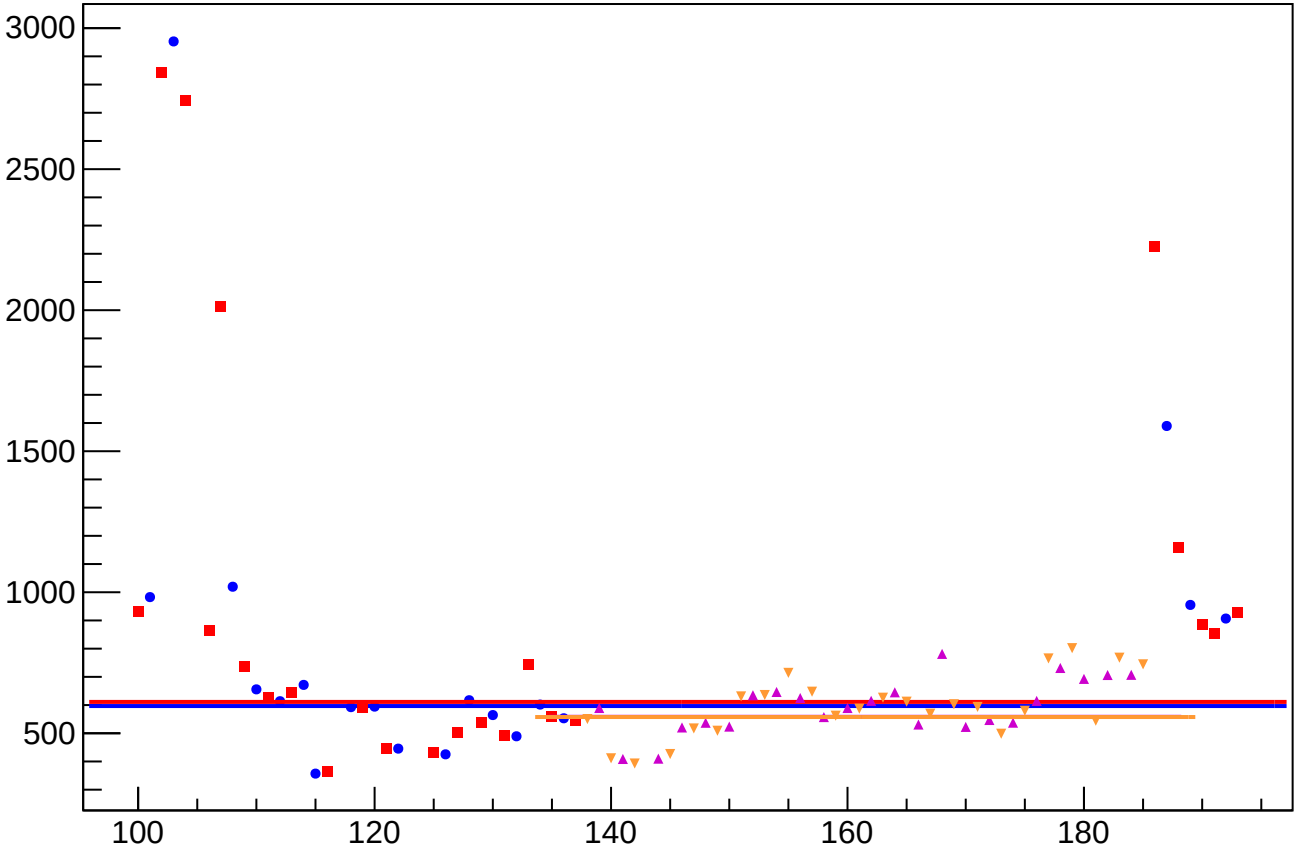
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -435.408+/-112.269 χ^2/NDF: 88.9/42

All: -308.626+/-79.523 χ^2/NDF: 133.1/88

- sign -180.963+/-112.658 χ^2/NDF: 41.7/45

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: 611.198+/-0.151 χ^2/NDF: 3472881.6/22

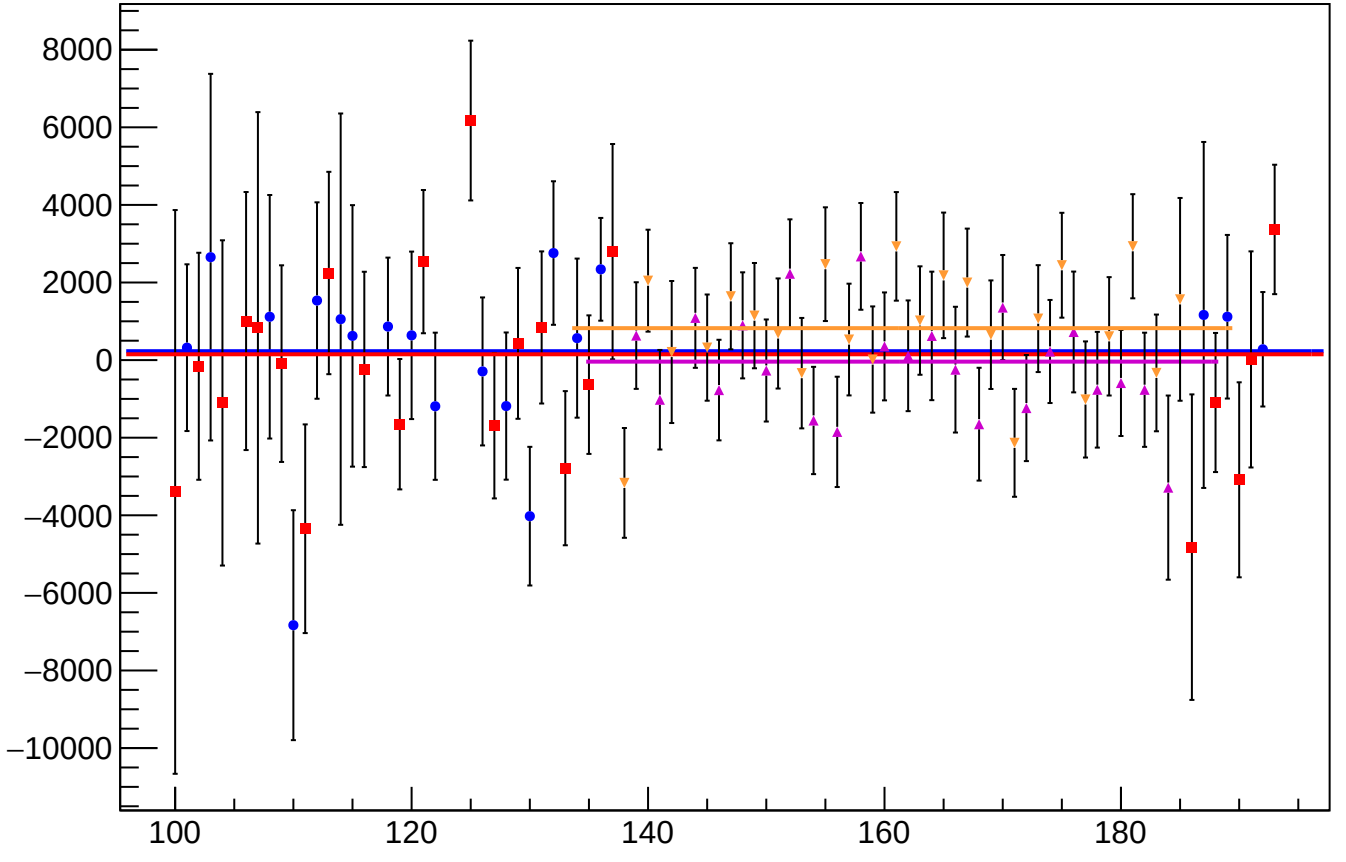
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 568.358+/-0.079 χ^2/NDF: 3277543.6/42

All: 570.696+/-0.056 χ^2/NDF: 7868112.8/88

- sign 573.051+/-0.080 χ^2/NDF: 4588827.7/45

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: 150.088+/-480.781 χ^2/NDF: 27.1/22

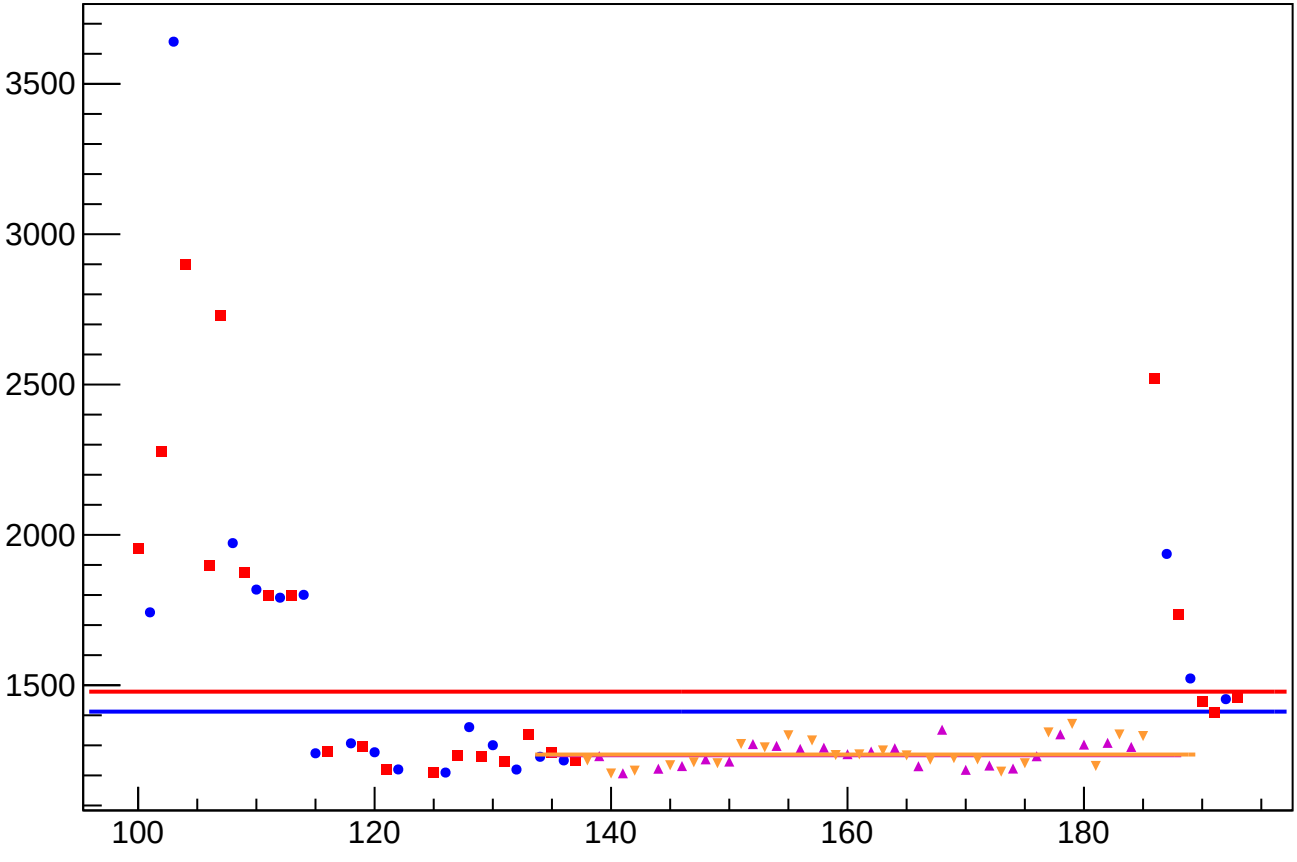
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 662.700+/-251.812 χ^2/NDF: 45.3/42

All: 337.908+/-178.147 χ^2/NDF: 93.7/88

- sign 12.469+/-252.063 χ^2/NDF: 45.1/45

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

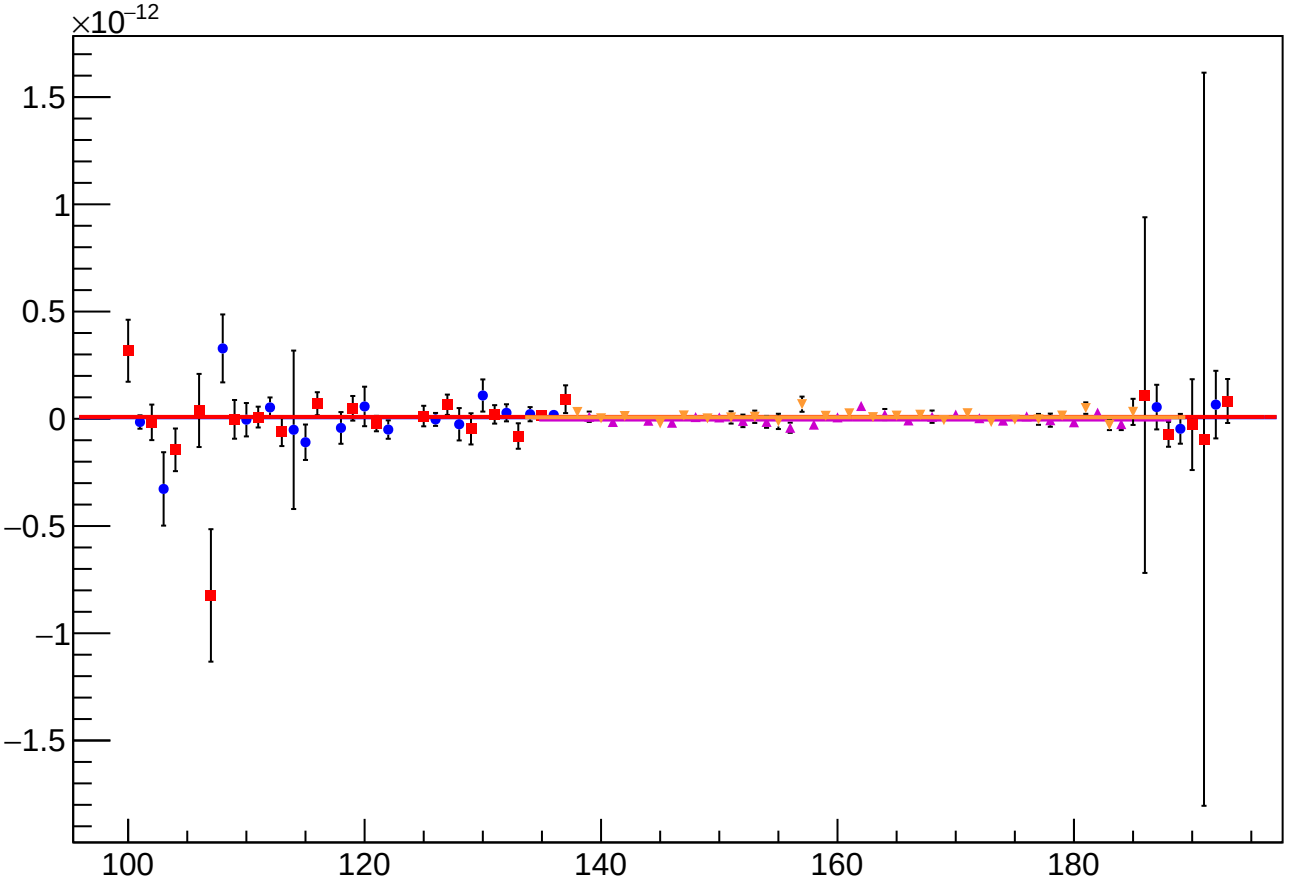
Right Out: 1478.587+/-0.340 χ^2/NDF: 1047752.0/22

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1308.061+/-0.178 χ^2/NDF: 986638.1/42

All: 1316.625+/-0.126 χ^2/NDF: 2354279.6/88

- sign 1325.206+/-0.178 χ^2/NDF: 1363010.2/45



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: 26.6/22

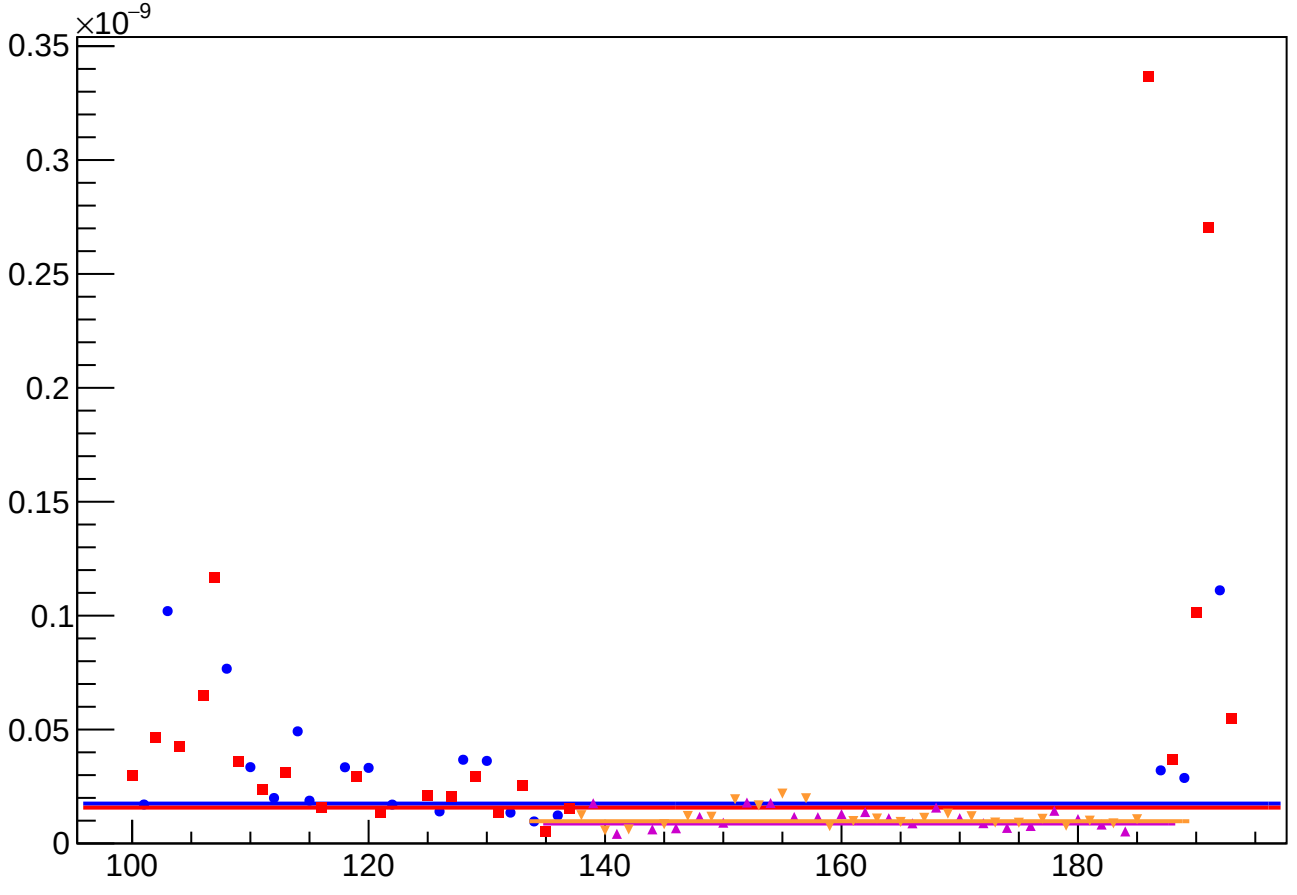
Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.6/42

All: 0.000+/-0.000 χ^2/NDF: 91.7/88

- sign -0.000+/-0.000 χ^2/NDF: 50.9/45

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: 3516550.4/22

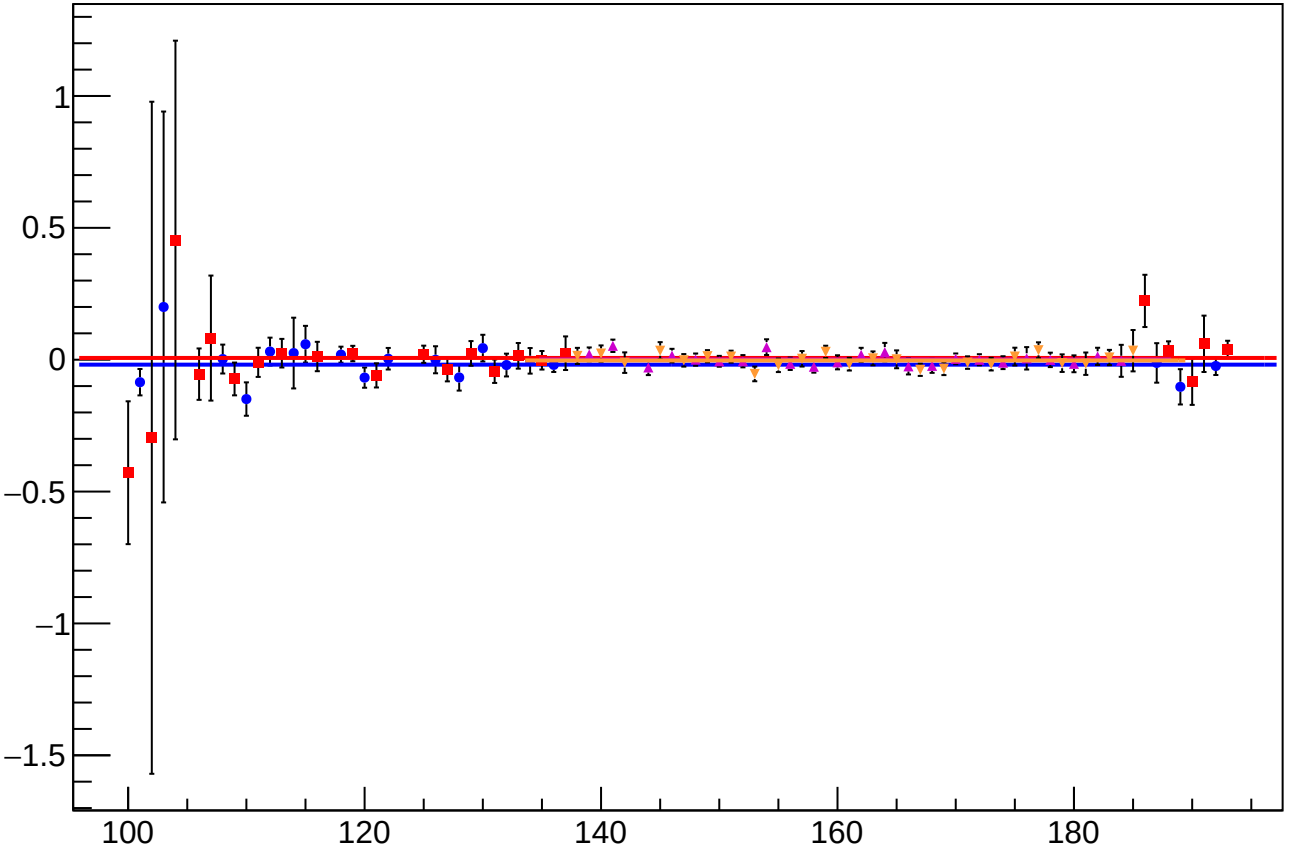
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4683304.4/42

All: 0.000+/-0.000 χ^2/NDF: 11036993.1/88

- sign 0.000+/-0.000 χ^2/NDF: 6250686.3/45

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: 0.007+/-0.011 χ^2/NDF: 18.1/22

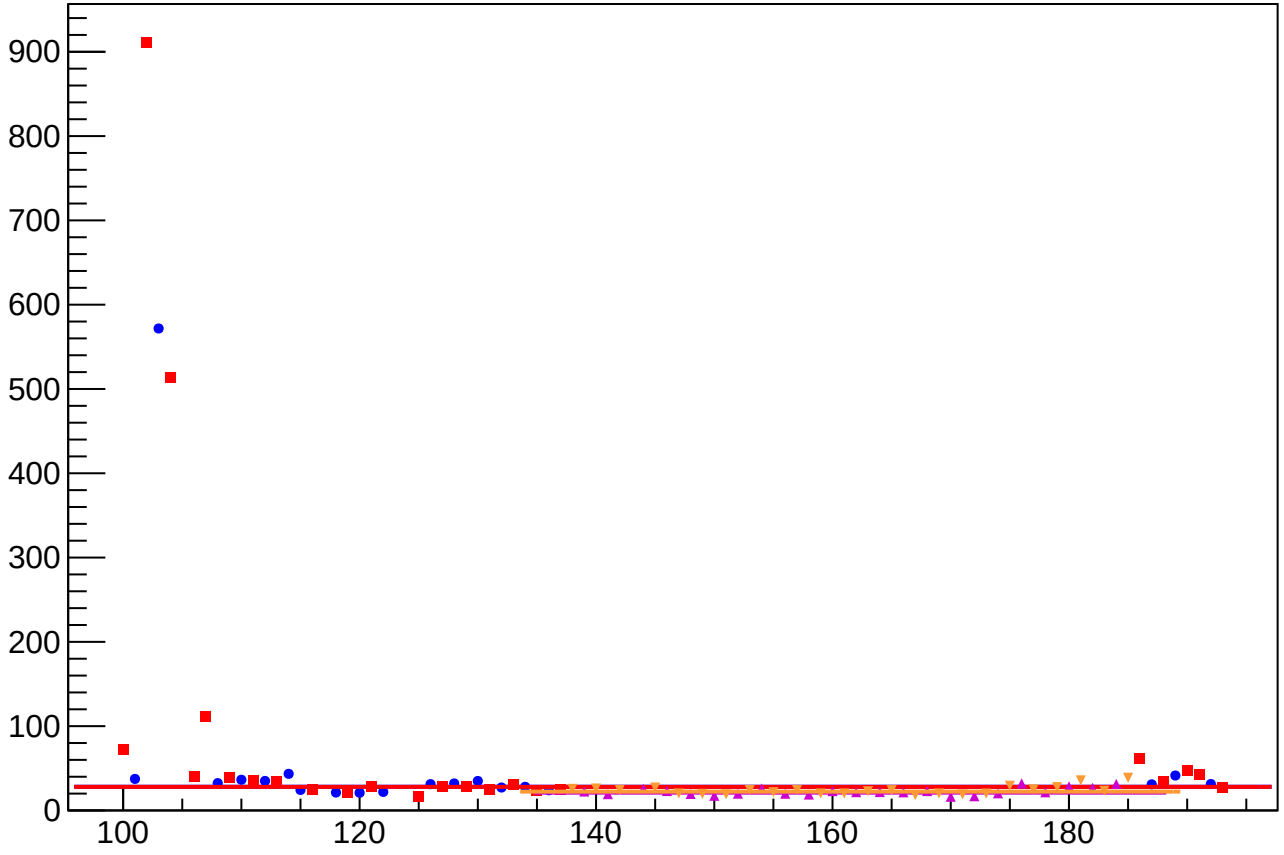
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.006+/-0.005 χ^2/NDF: 34.4/42

All: -0.002+/-0.003 χ^2/NDF: 69.1/88

\- sign 0.002+/-0.005 χ^2/NDF: 33.3/45

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: 27.975+/-0.007 χ^2/NDF: 3077291.9/22

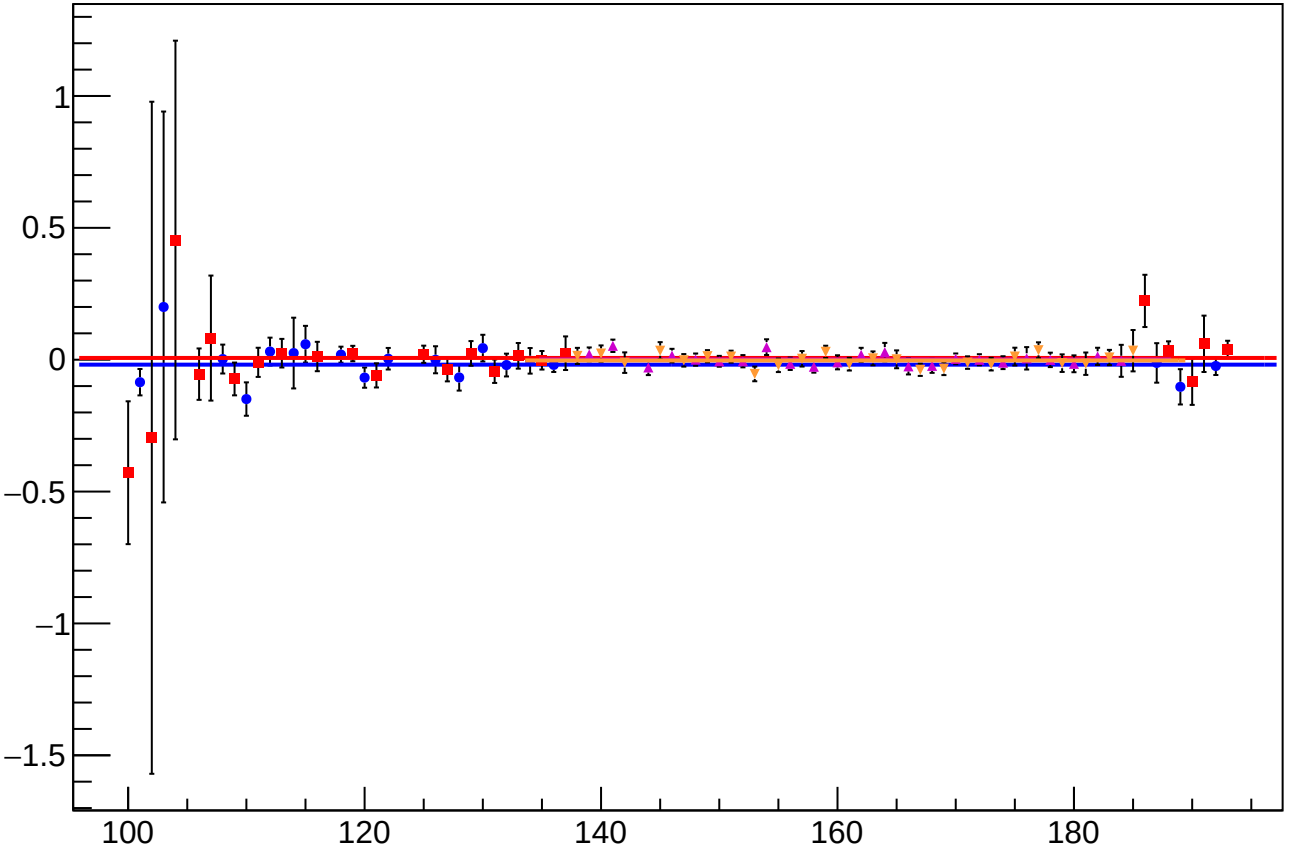
Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.629+/-0.004 χ^2/NDF: 2950650.9/42

All: 23.071+/-0.002 χ^2/NDF: 7562212.4/88

- sign 22.549+/-0.003 χ^2/NDF: 4563666.9/45

asym_usl_atl1_dd_dit_vs_eigen_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: 0.007+/-0.011 χ^2/NDF: 18.1/22

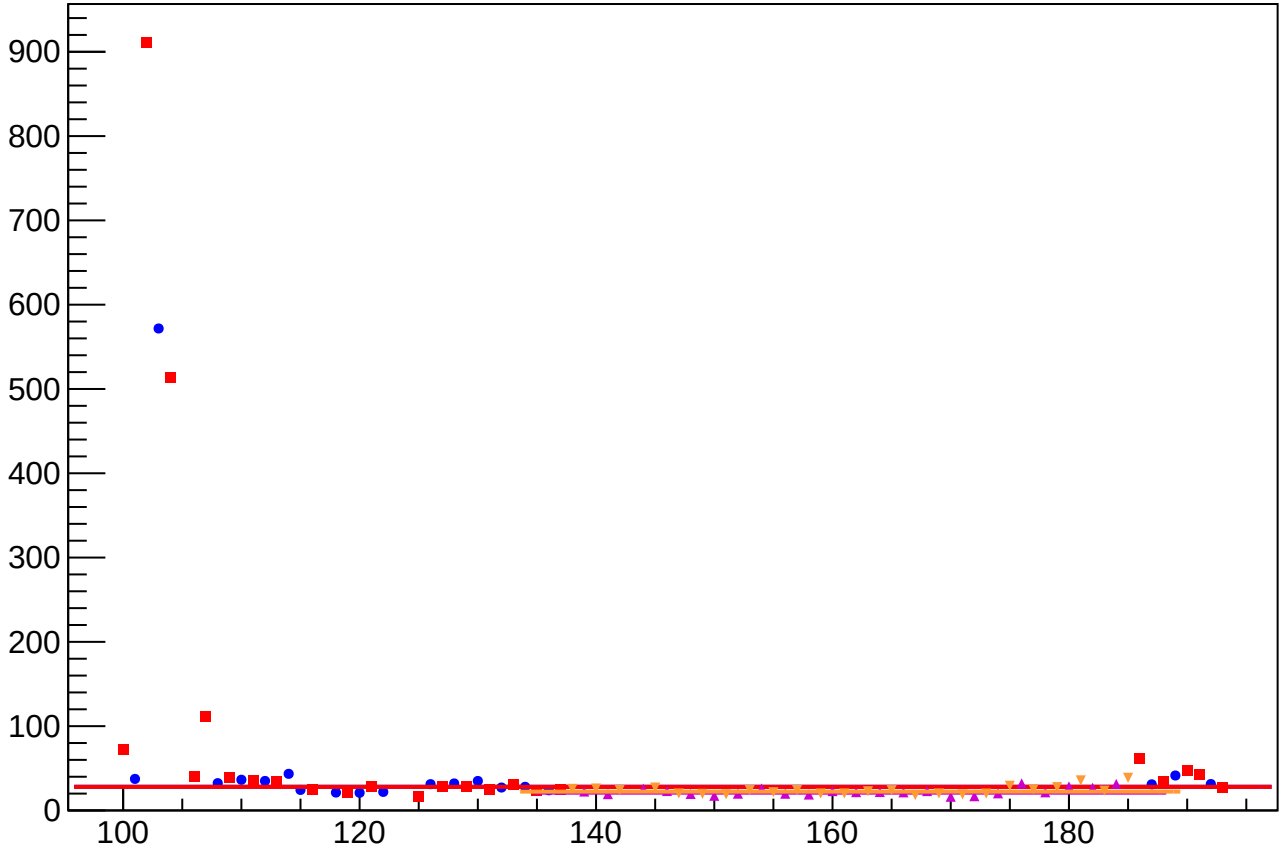
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 34.4/42

All: -0.002+/-0.003 χ^2/NDF: 69.1/88

- sign 0.002+/-0.005 χ^2/NDF: 33.3/45

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

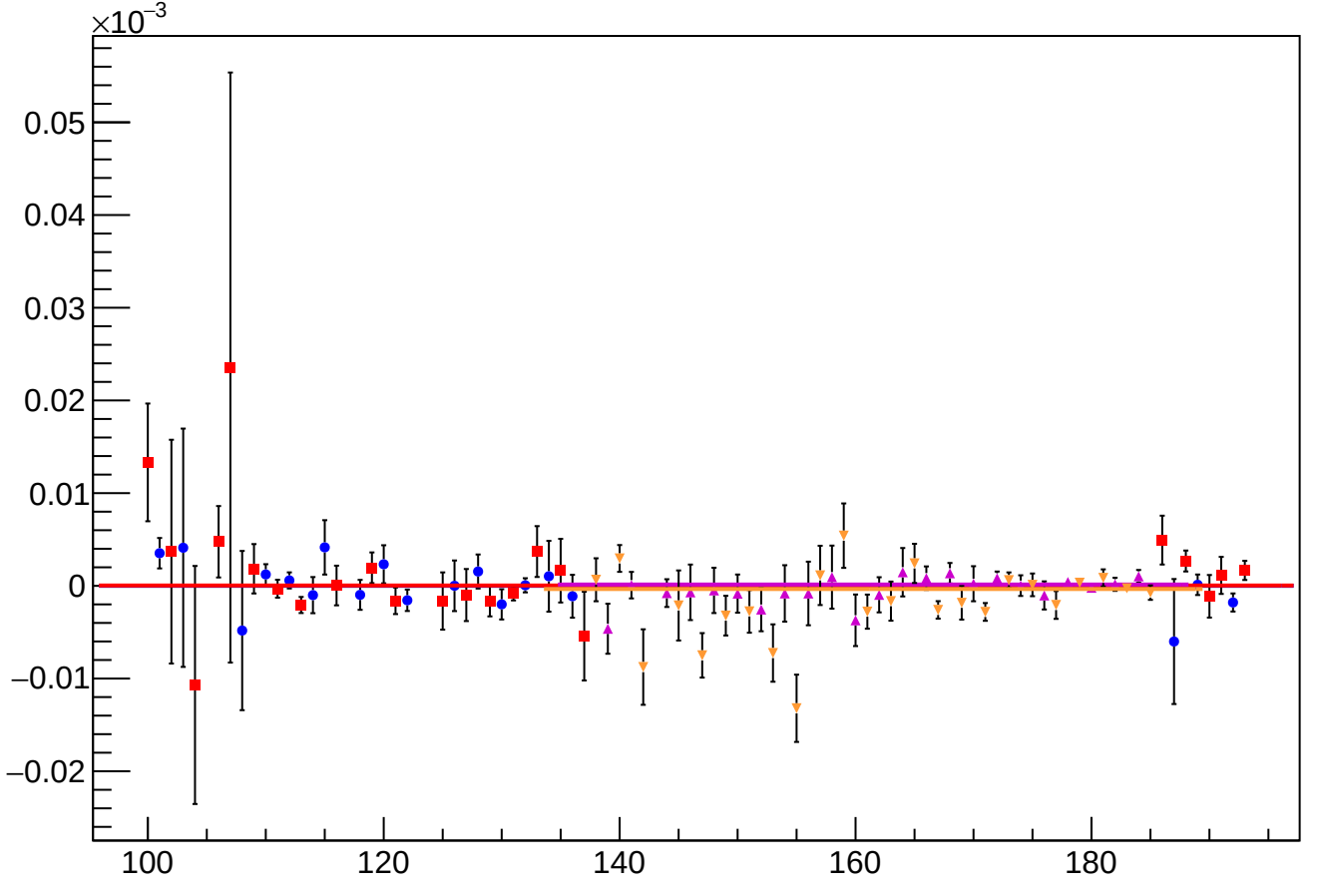
Right Out: 27.975+/-0.007 χ^2/NDF: 3077291.9/22

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.629+/-0.004 χ^2/NDF: 2950650.9/42

All: 23.071+/-0.002 χ^2/NDF: 7562212.4/88

- sign 22.549+/-0.003 χ^2/NDF: 4563666.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/22

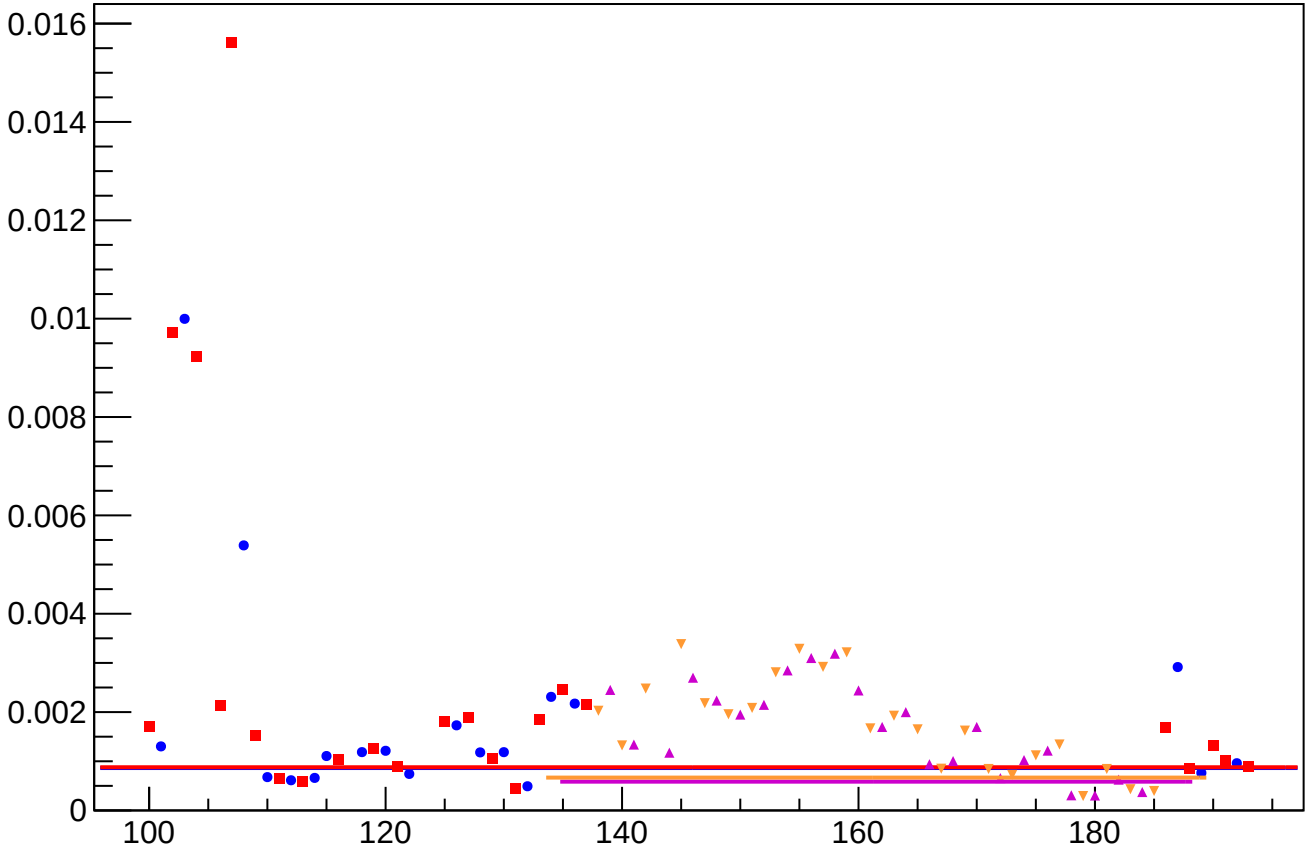
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 88.0/42

All: -0.000+/-0.000 χ^2/NDF: 138.9/88

- sign 0.000+/-0.000 χ^2/NDF: 48.6/45

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: 5331257.6/22

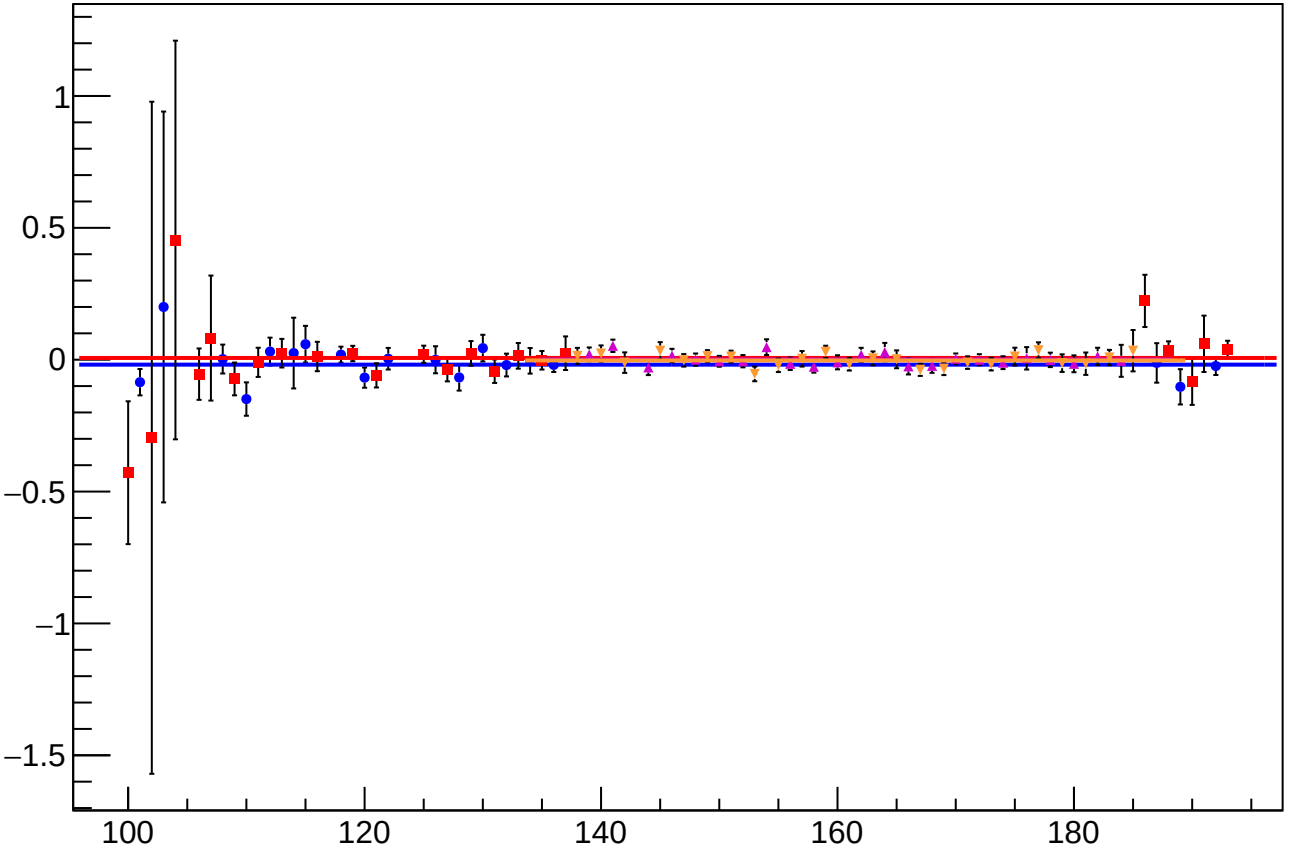
Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 19953608.7/42

All: 0.001+/-0.000 χ^2/NDF: 42234249.5/88

- sign 0.001+/-0.000 χ^2/NDF: 22120288.7/45

asym_usl_atl1_dd_eigen_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

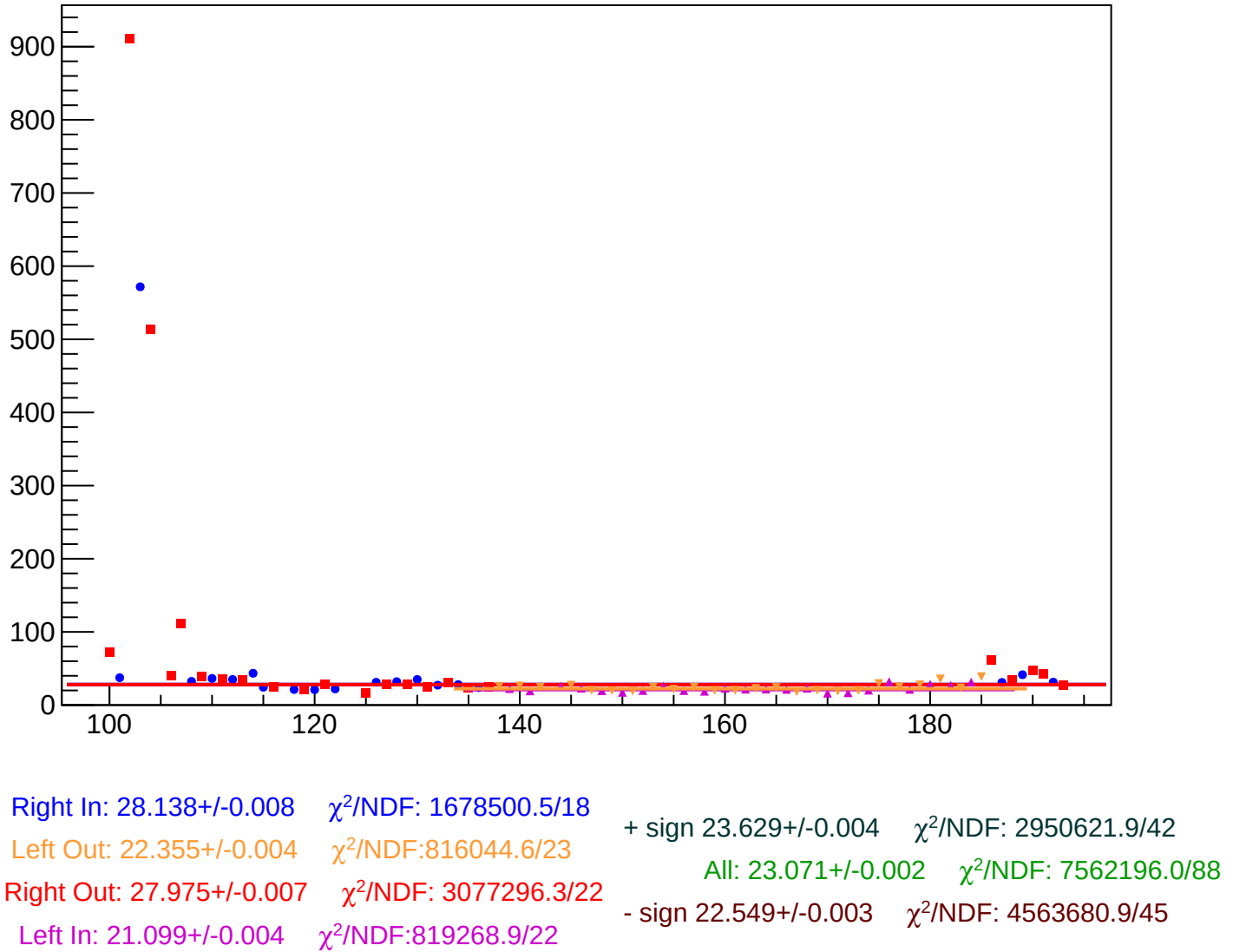
Right Out: 0.007+/-0.011 χ^2/NDF: 18.1/22

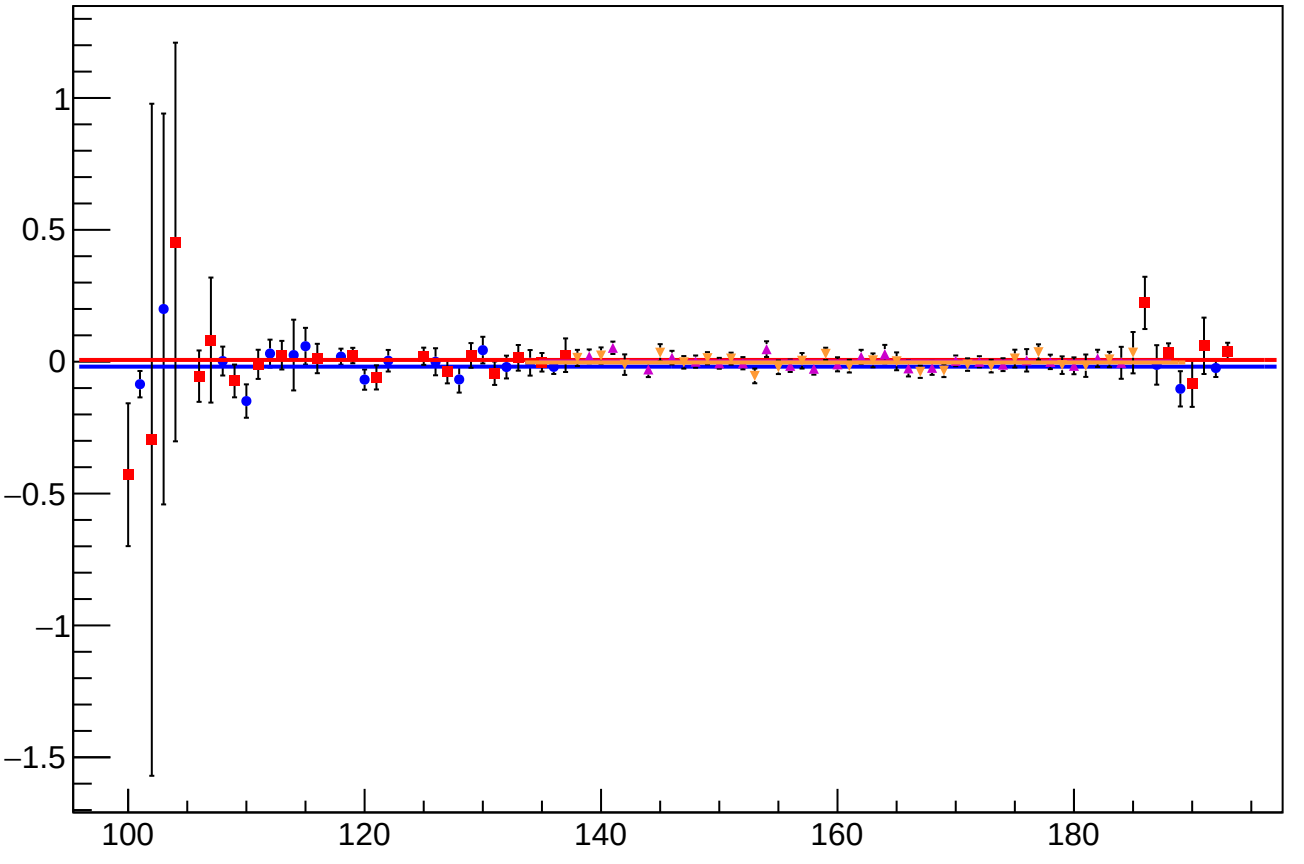
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 34.4/42

All: -0.002+/-0.003 χ^2/NDF: 69.1/88

- sign 0.002+/-0.005 χ^2/NDF: 33.3/45


asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
0
100
120
140
160
180
Right In: 28.138+/-0.008 χ²/NDF: 1678500.5/18
Left Out: 22.355+/-0.004 χ²/NDF:816044.6/23
Right Out: 27.975+/-0.007 χ²/NDF: 3077296.3/22
Left In: 21.099+/-0.004 χ²/NDF:819268.9/22
+ sign 23.629+/-0.004 χ²/NDF: 2950621.9/42
All: 23.071+/-0.002 χ²/NDF: 7562196.0/88
- sign 22.549+/-0.003 χ²/NDF: 4563680.9/45



Right In: -0.019+/-0.011 χ^2/NDF: 16.3/18

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

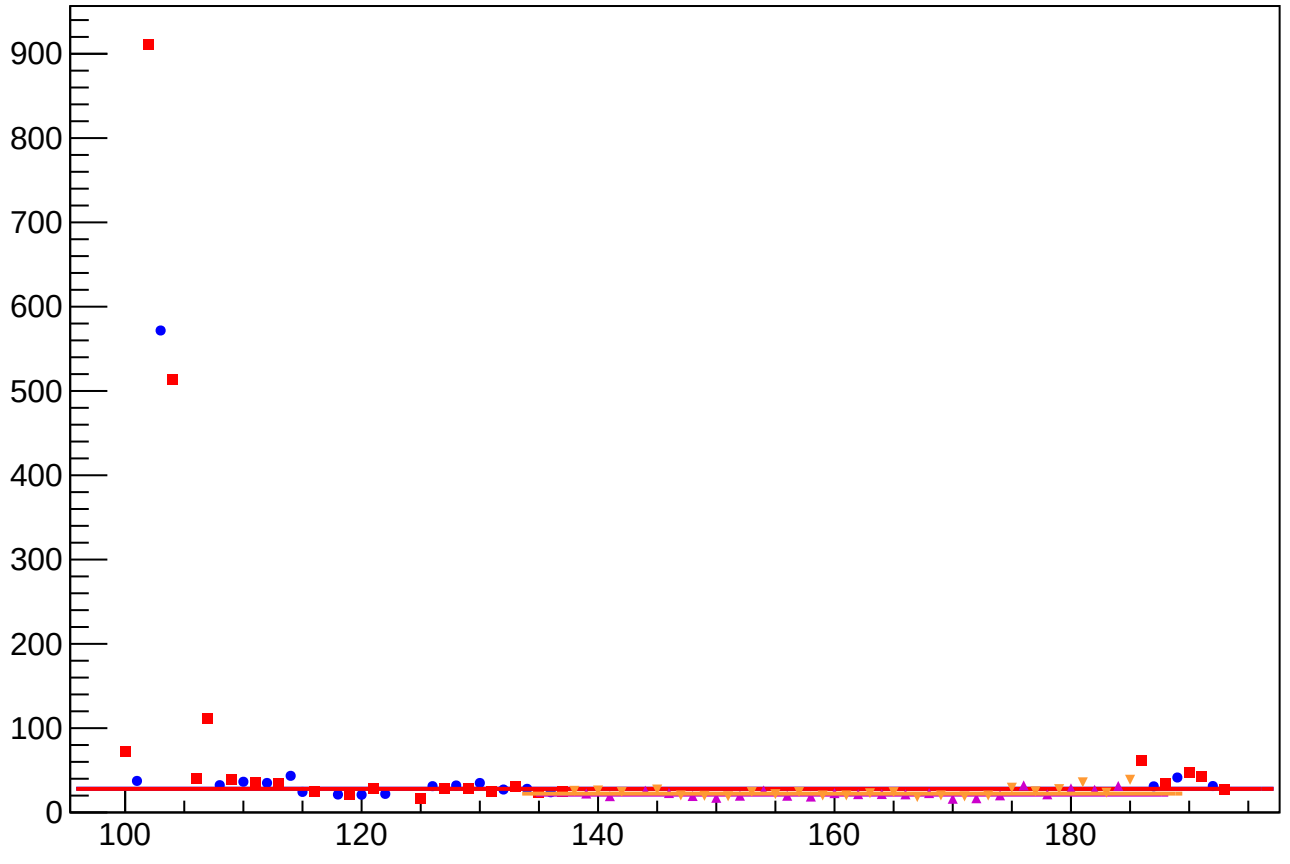
Right Out: 0.007+/-0.011 χ^2/NDF: 18.1/22

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+/-0.003 χ^2/NDF: 69.1/88

- sign 0.002+/-0.005 χ^2/NDF: 33.3/45



Right In: 28.138+/-0.008 χ^2/NDF: 1678500.5/18

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

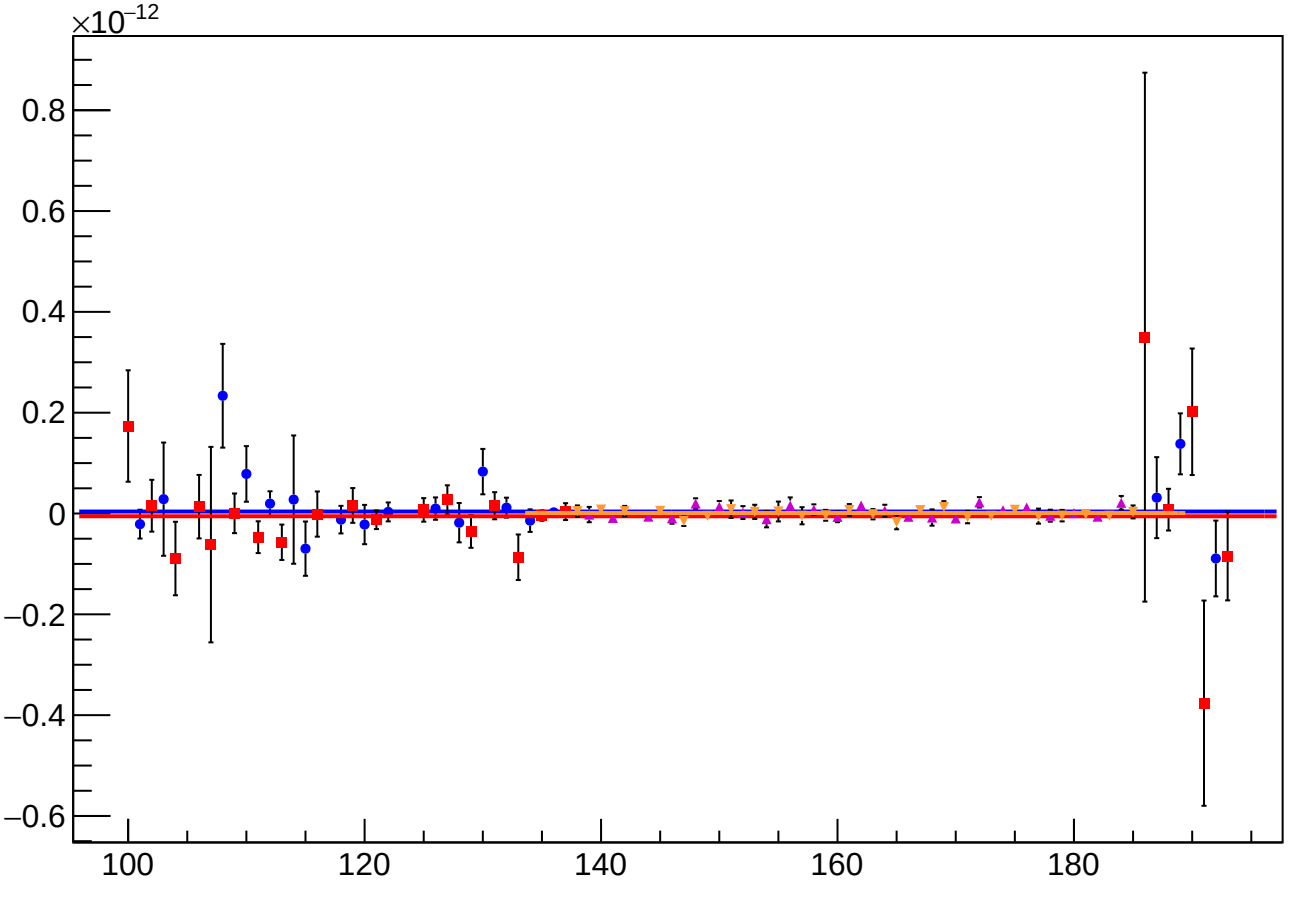
Right Out: 27.975+/-0.007 χ^2/NDF: 3077296.3/22

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.629+/-0.004 χ^2/NDF: 2950621.9/42

All: 23.071+/-0.002 χ^2/NDF: 7562196.0/88

- sign 22.549+/-0.003 χ^2/NDF: 4563680.9/45



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

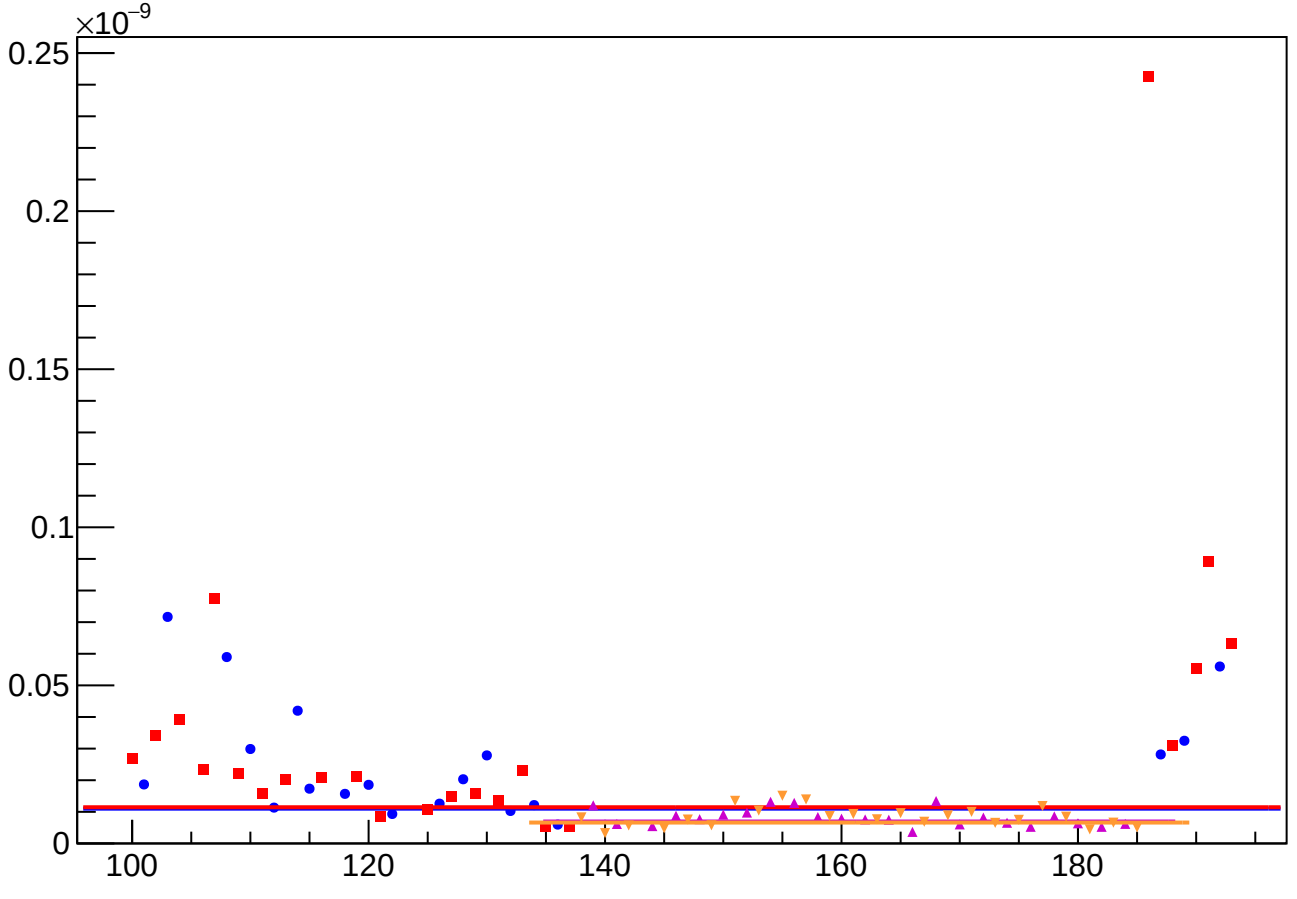
Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/22

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: 83.1/88

- sign 0.000+/-0.000 χ^2/NDF: 49.6/45



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: 4876443.8/22

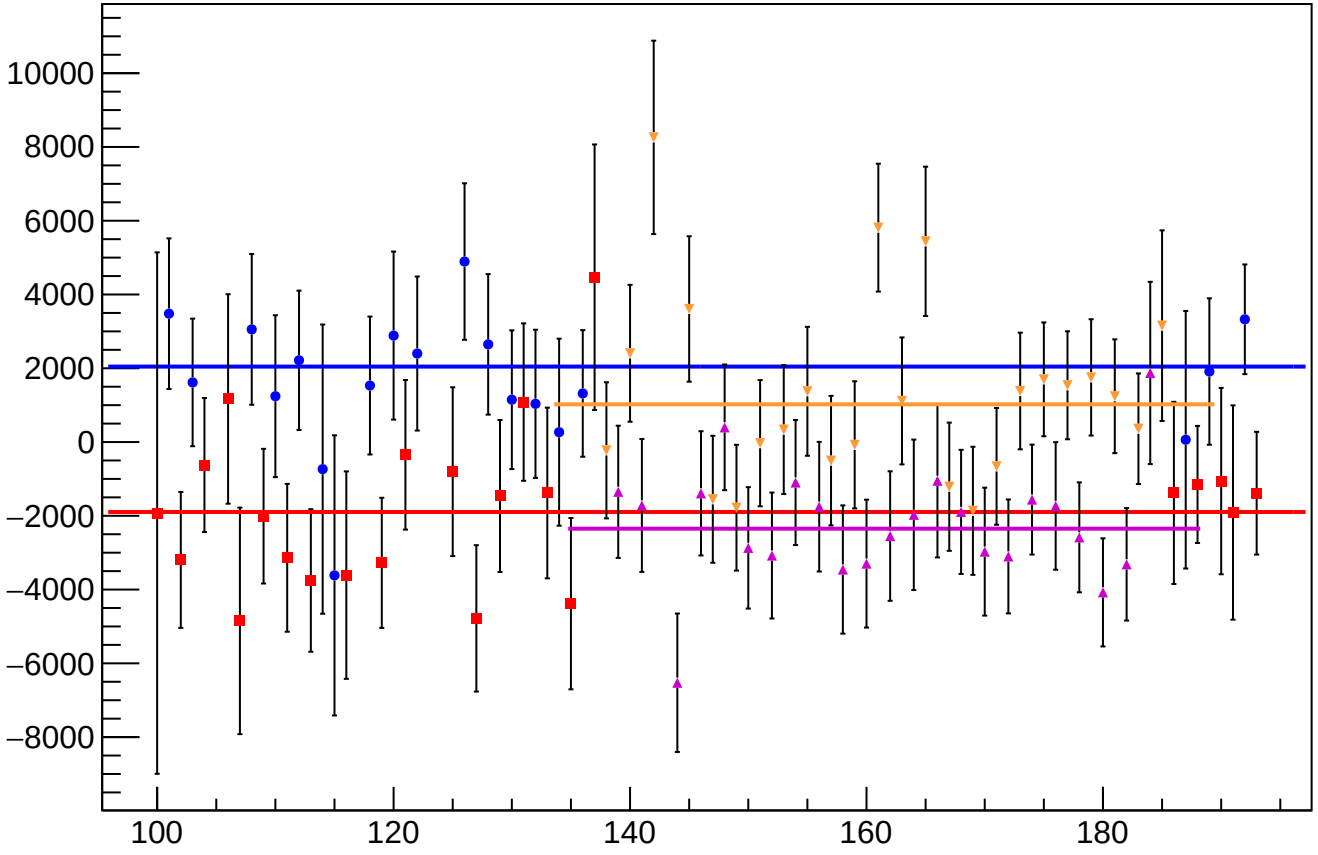
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8395269.5/42

All: 0.000+/-0.000 χ^2/NDF: 16629586.8/88

- sign 0.000+/-0.000 χ^2/NDF: 8206550.7/45

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: -1896.435+/-451.695 χ^2/NDF: 15.1/22

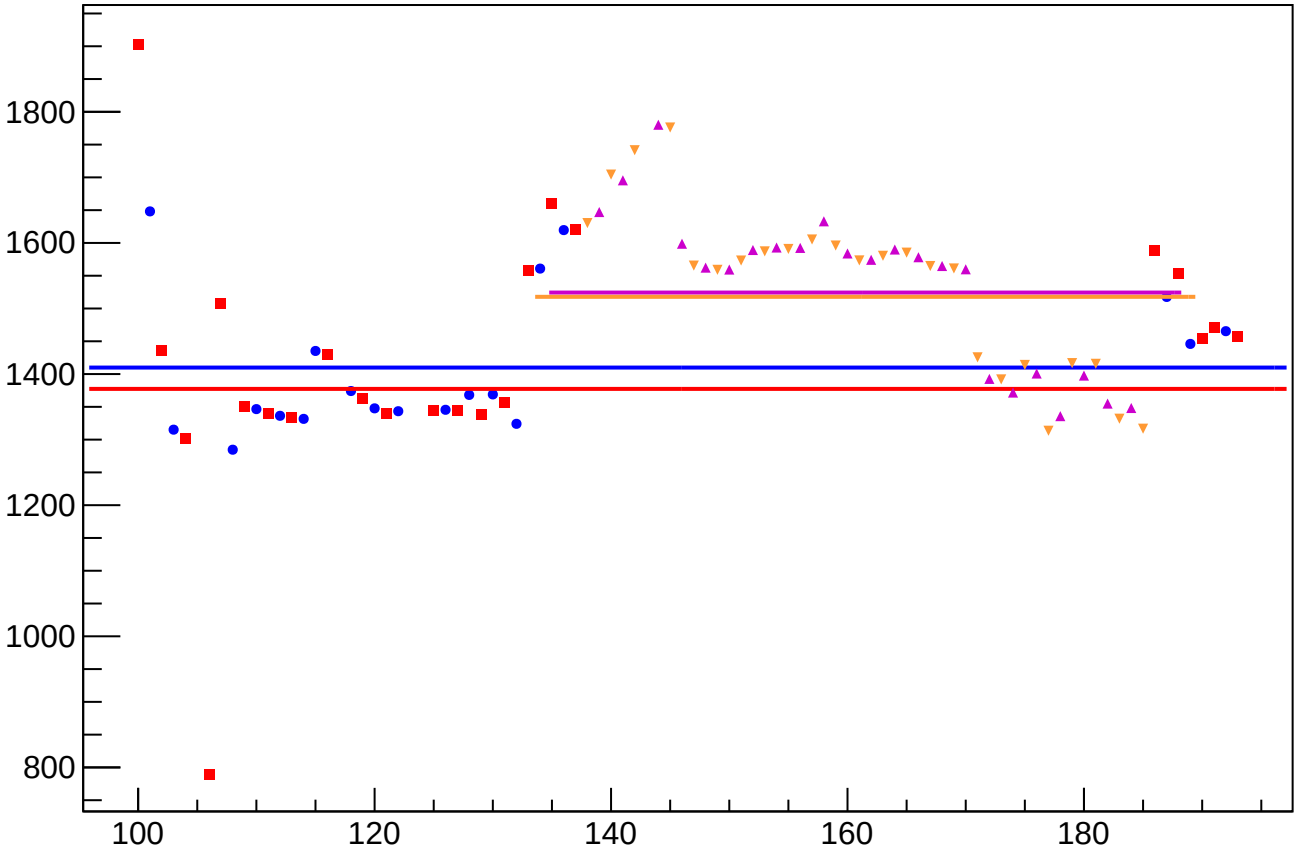
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1388.368+/-283.298 χ^2/NDF: 47.5/42

All: -413.476+/-199.187 χ^2/NDF: 159.1/88

- sign -2175.069+/-280.116 χ^2/NDF: 31.7/45

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: 1377.374+/-0.312 χ^2/NDF: 377626.9/22

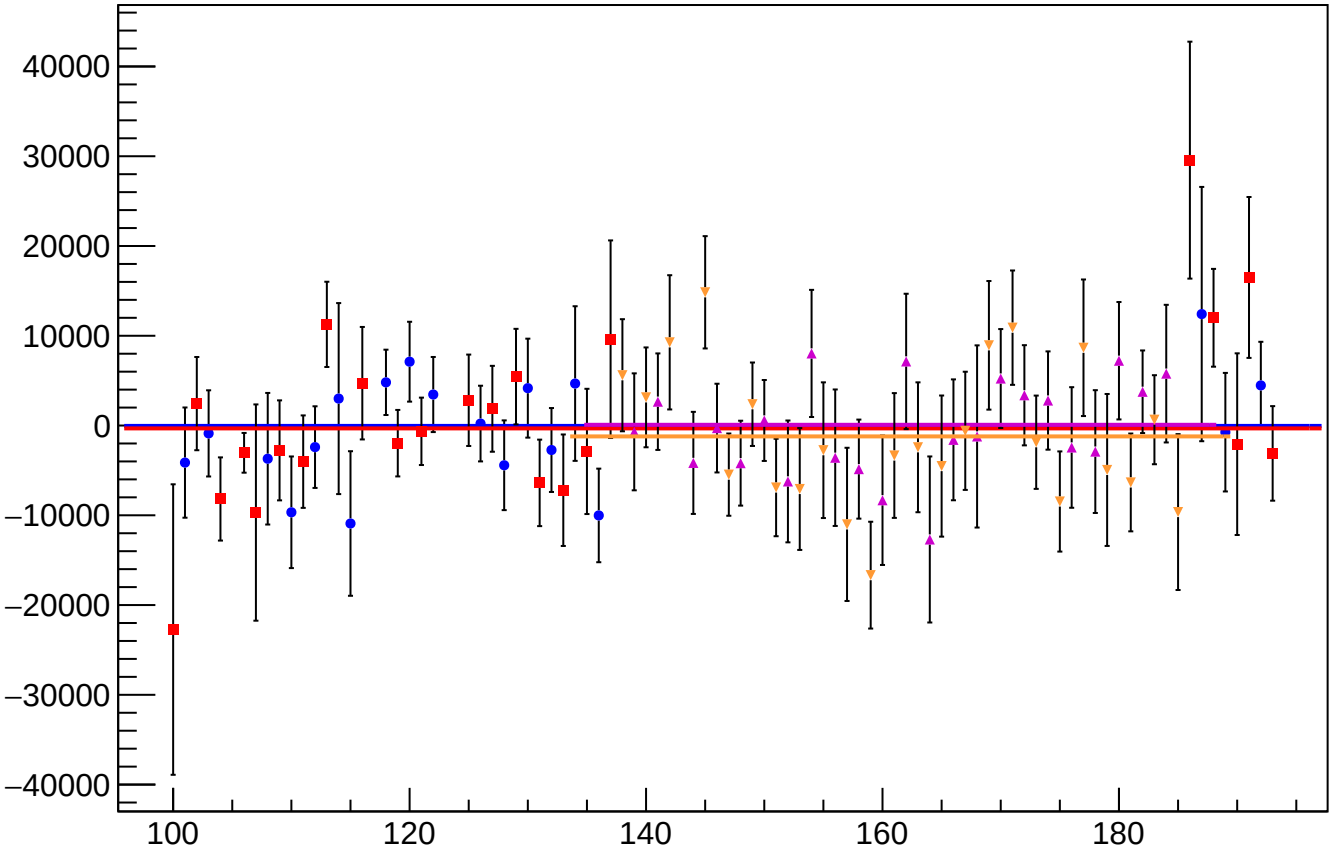
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1479.230+/-0.200 χ^2/NDF: 400897.3/42

All: 1472.534+/-0.140 χ^2/NDF: 1139190.5/88

- sign 1466.111+/-0.196 χ^2/NDF: 736104.5/45

asym_usl_atl2_avg_reg_correction_mean vs Slug



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: -320.535+/-1057.008 χ^2/NDF: 34.3/22

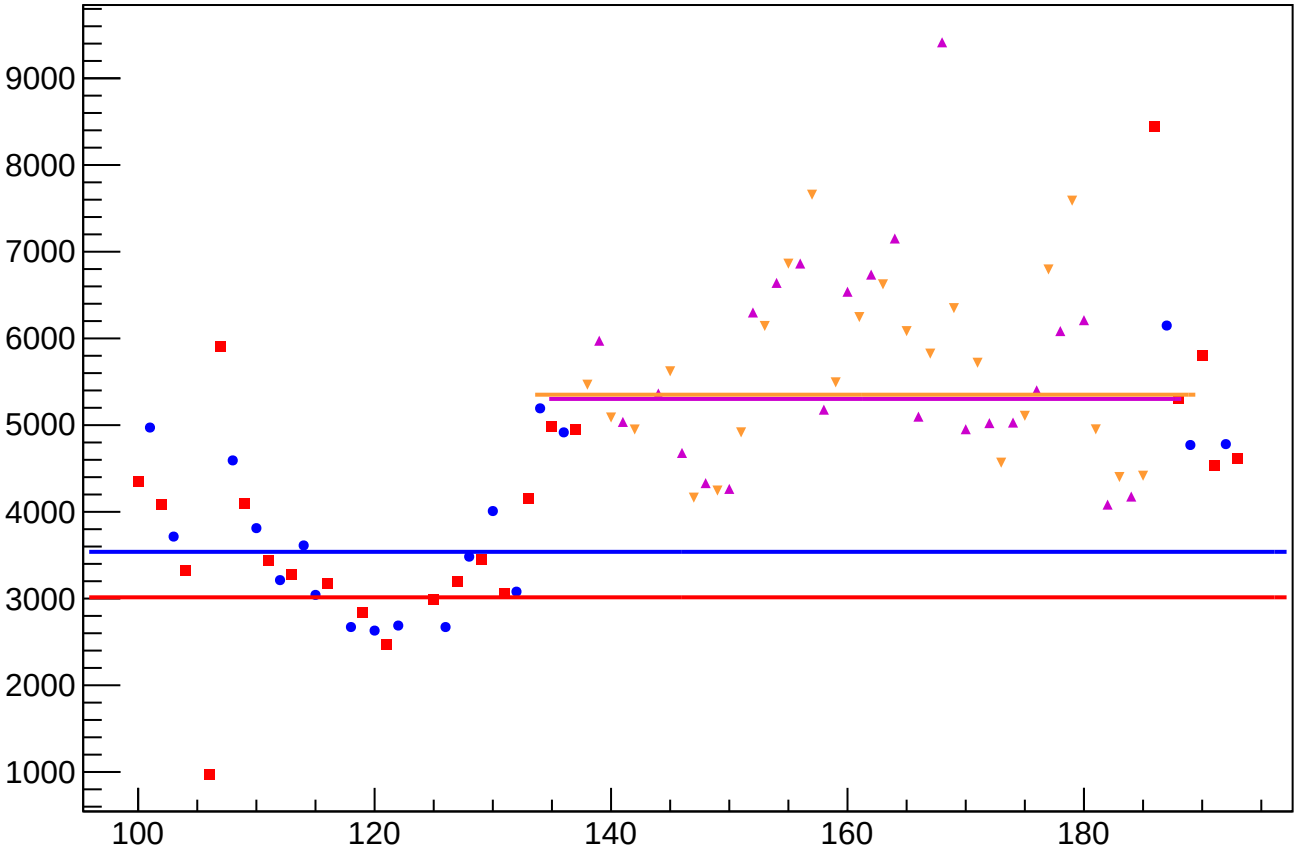
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -607.108+/-881.335 χ^2/NDF: 51.3/42

All: -362.516+/-596.759 χ^2/NDF: 99.0/88

- sign -155.435+/-810.942 χ^2/NDF: 47.6/45

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: 3014.343+/-0.747 χ^2/NDF: 3463139.9/22

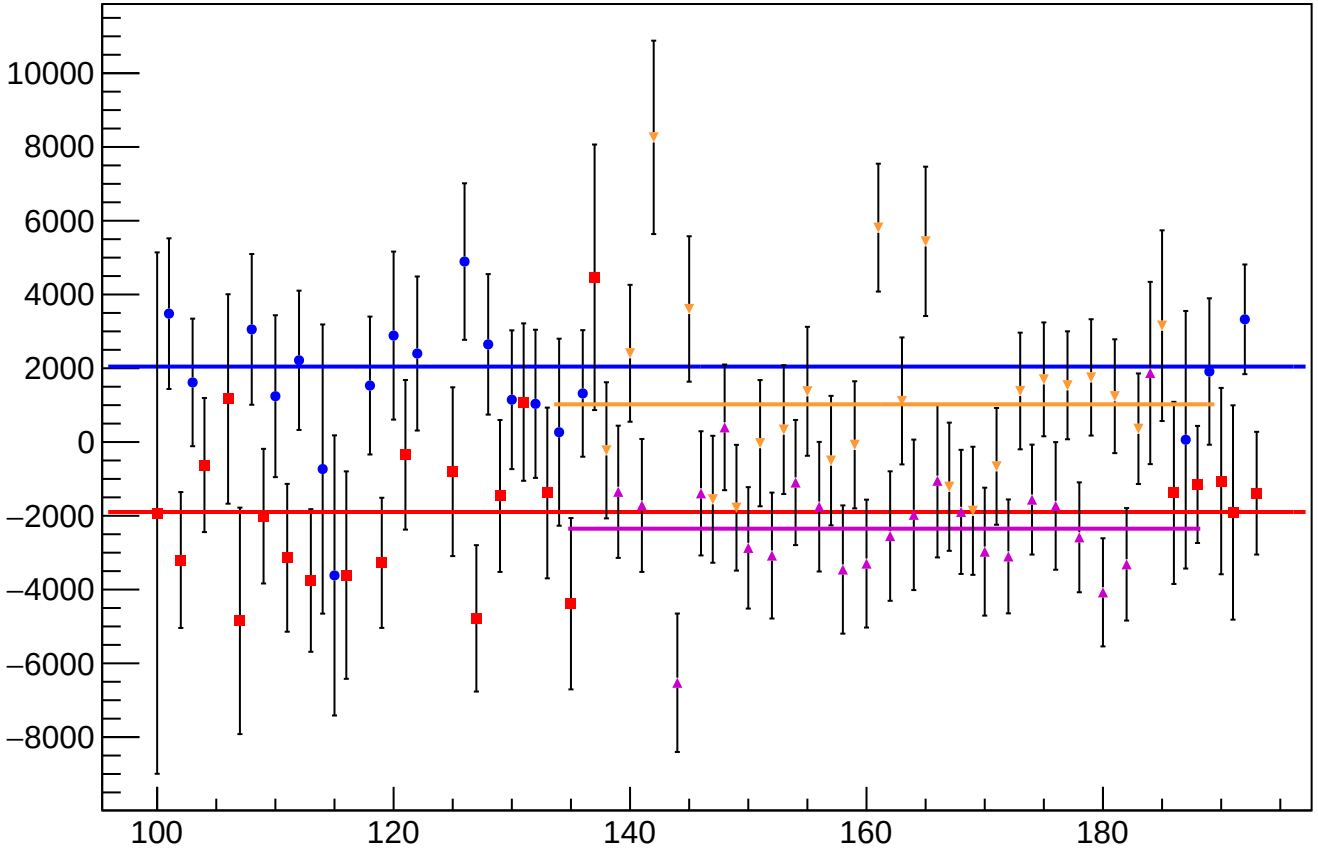
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4413.947+/-0.623 χ^2/NDF: 4232843.8/42

All: 4165.715+/-0.422 χ^2/NDF: 13099940.0/8

- sign 3955.553+/-0.573 χ^2/NDF: 8574111.3/45

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: -1896.573+/-451.697 χ^2/NDF: 15.1/22

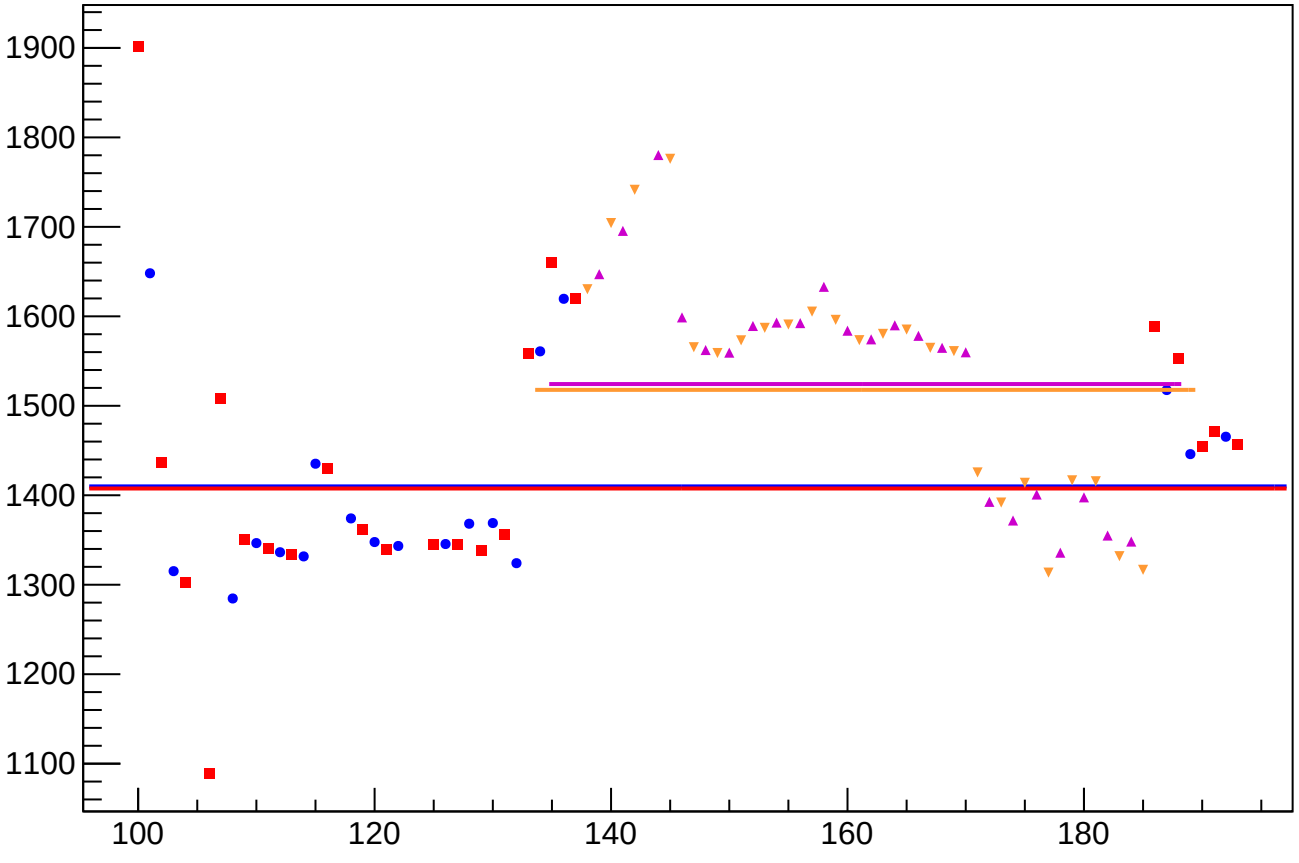
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1388.411+/-283.298 χ^2/NDF: 47.5/42

All: -413.478+/-199.187 χ^2/NDF: 159.2/88

- sign -2175.122+/-280.116 χ^2/NDF: 31.7/45

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

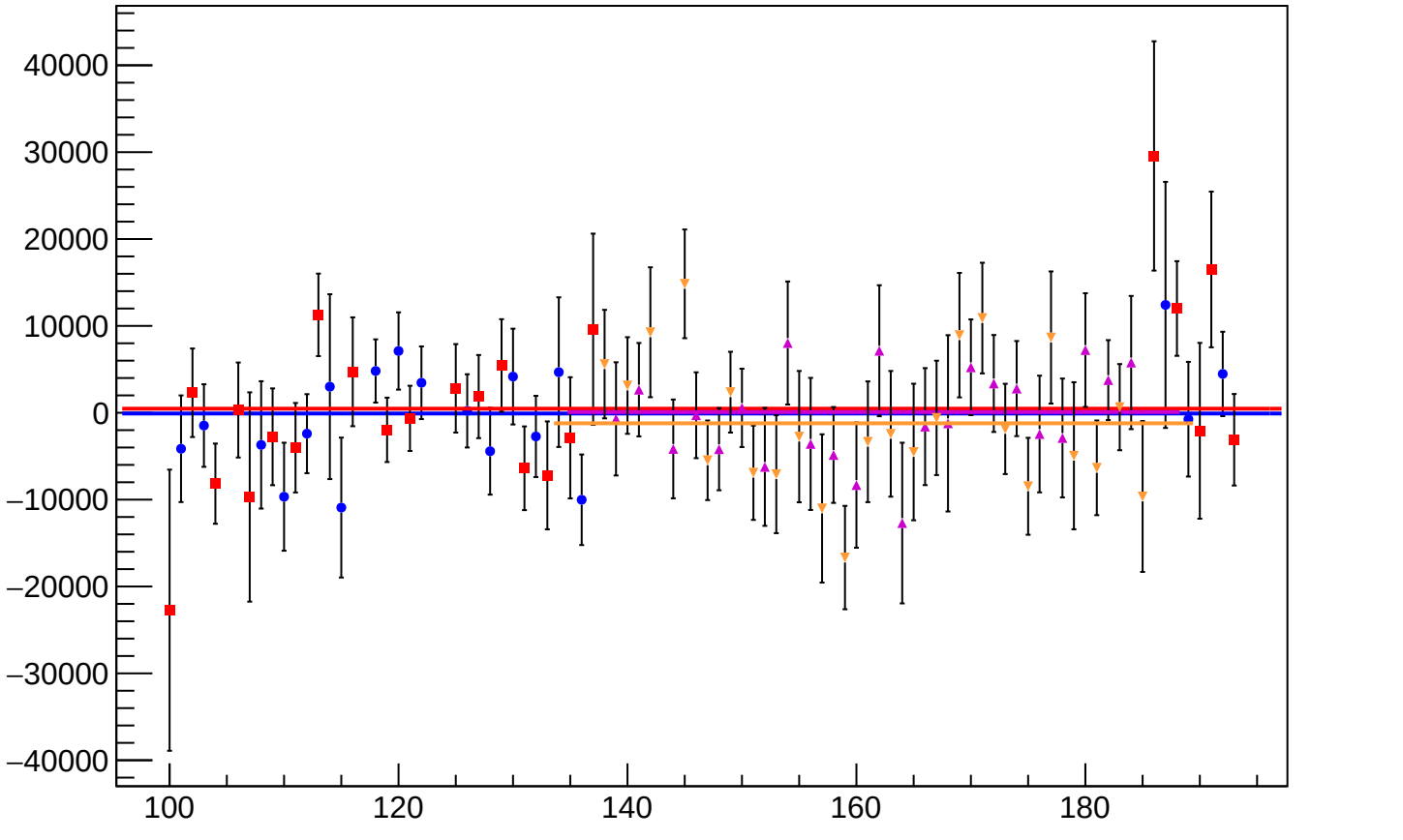
Right Out: 1407.561+/-0.316 χ^2/NDF: 152443.7/22

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1479.230+/-0.200 χ^2/NDF: 400897.4/42

All: 1479.038+/-0.141 χ^2/NDF: 860926.3/88

- sign 1478.852+/-0.197 χ^2/NDF: 460027.0/45



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: 468.379+/-1173.421 χ^2/NDF: 32.4/22

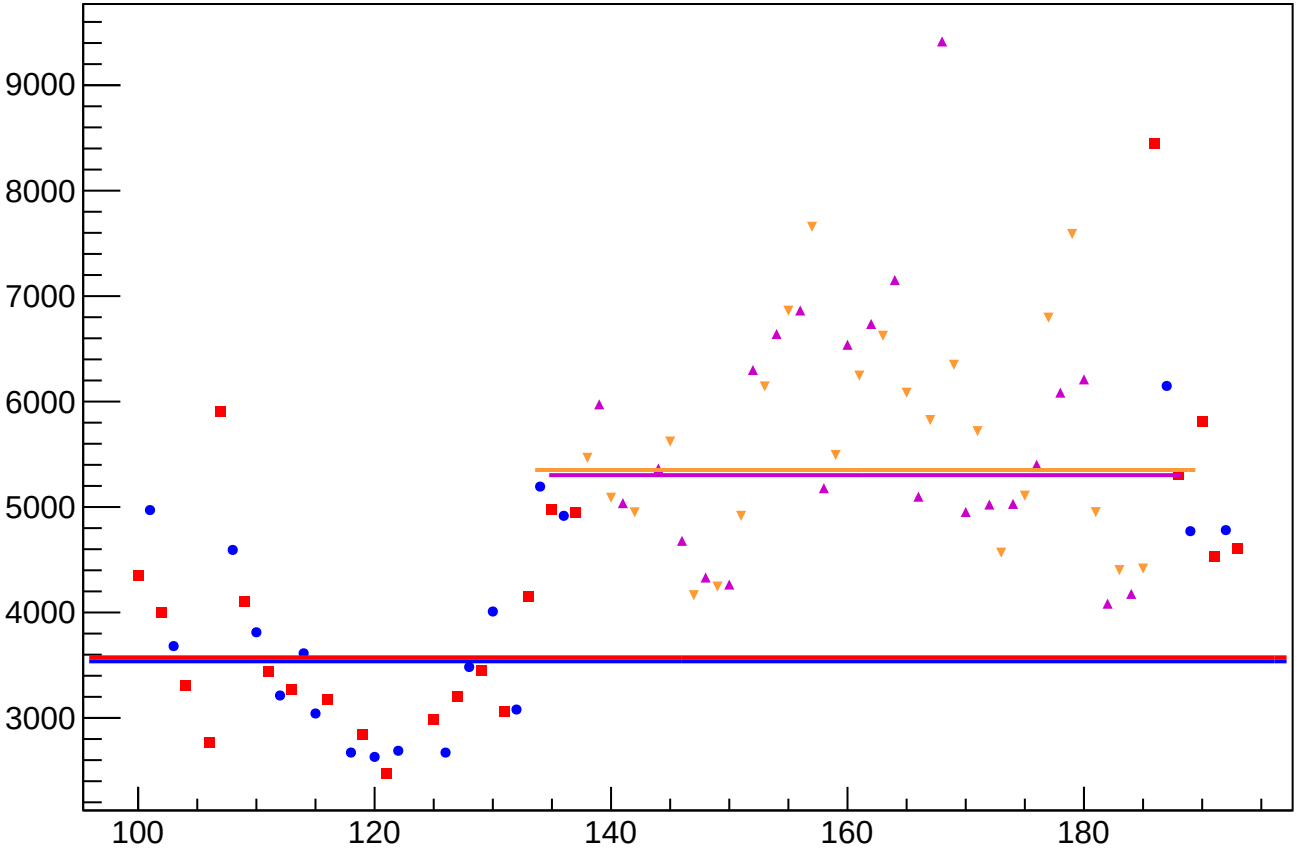
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -628.009+/-881.025 χ^2/NDF: 51.4/42

All: -158.488+/-615.439 χ^2/NDF: 97.5/88

- sign 288.971+/-860.077 χ^2/NDF: 45.6/45

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: 3574.741+/-0.830 χ^2/NDF: 1294312.8/22

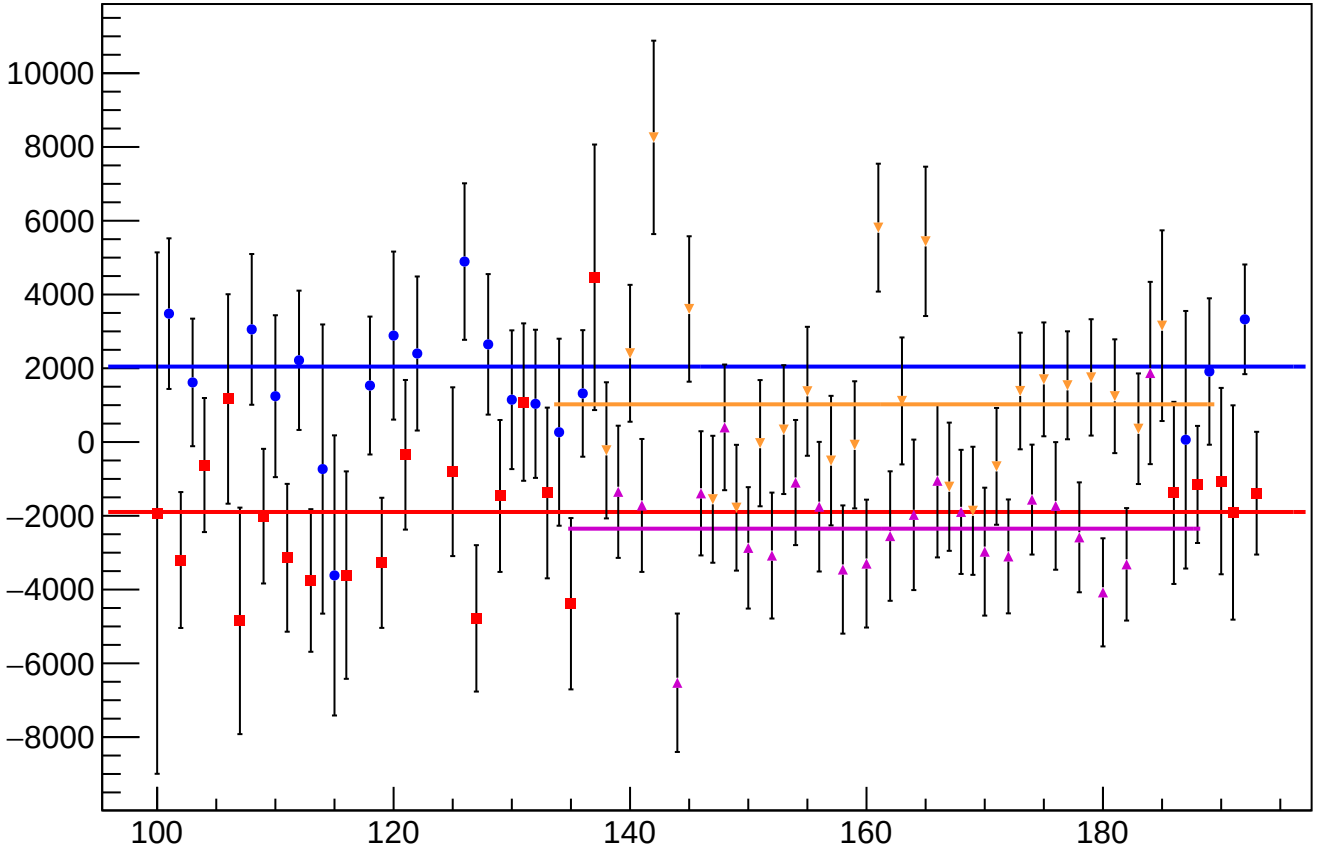
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

\+ sign 4412.293+/-0.623 χ^2/NDF: 4237918.0/42

All: 4392.753+/-0.435 χ^2/NDF: 8796256.1/88

\- sign 4374.132+/-0.608 χ^2/NDF: 4556416.9/45

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: -1896.573+/-451.697 χ^2/NDF: 15.1/22

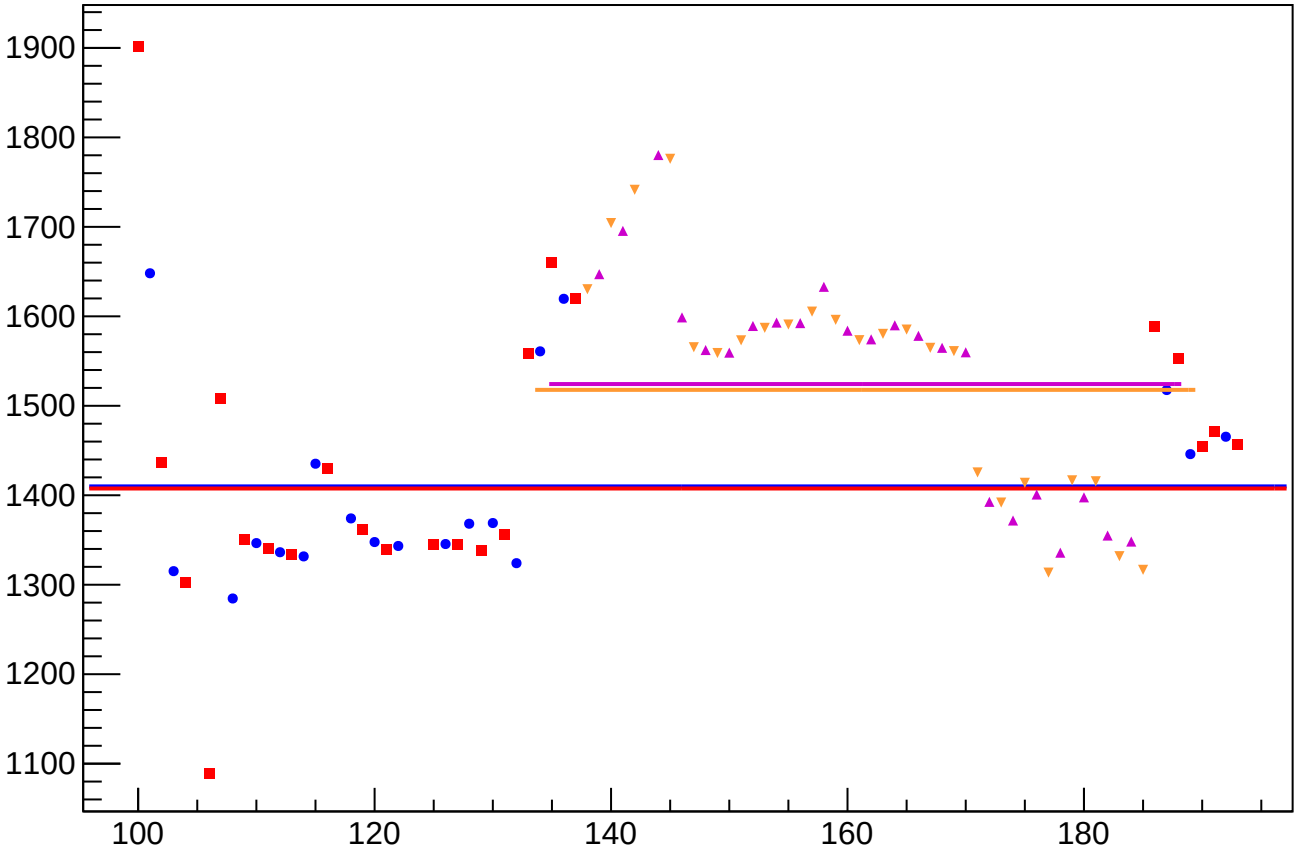
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1388.411+/-283.298 χ^2/NDF: 47.5/42

All: -413.478+/-199.187 χ^2/NDF: 159.2/88

- sign -2175.122+/-280.116 χ^2/NDF: 31.7/45

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

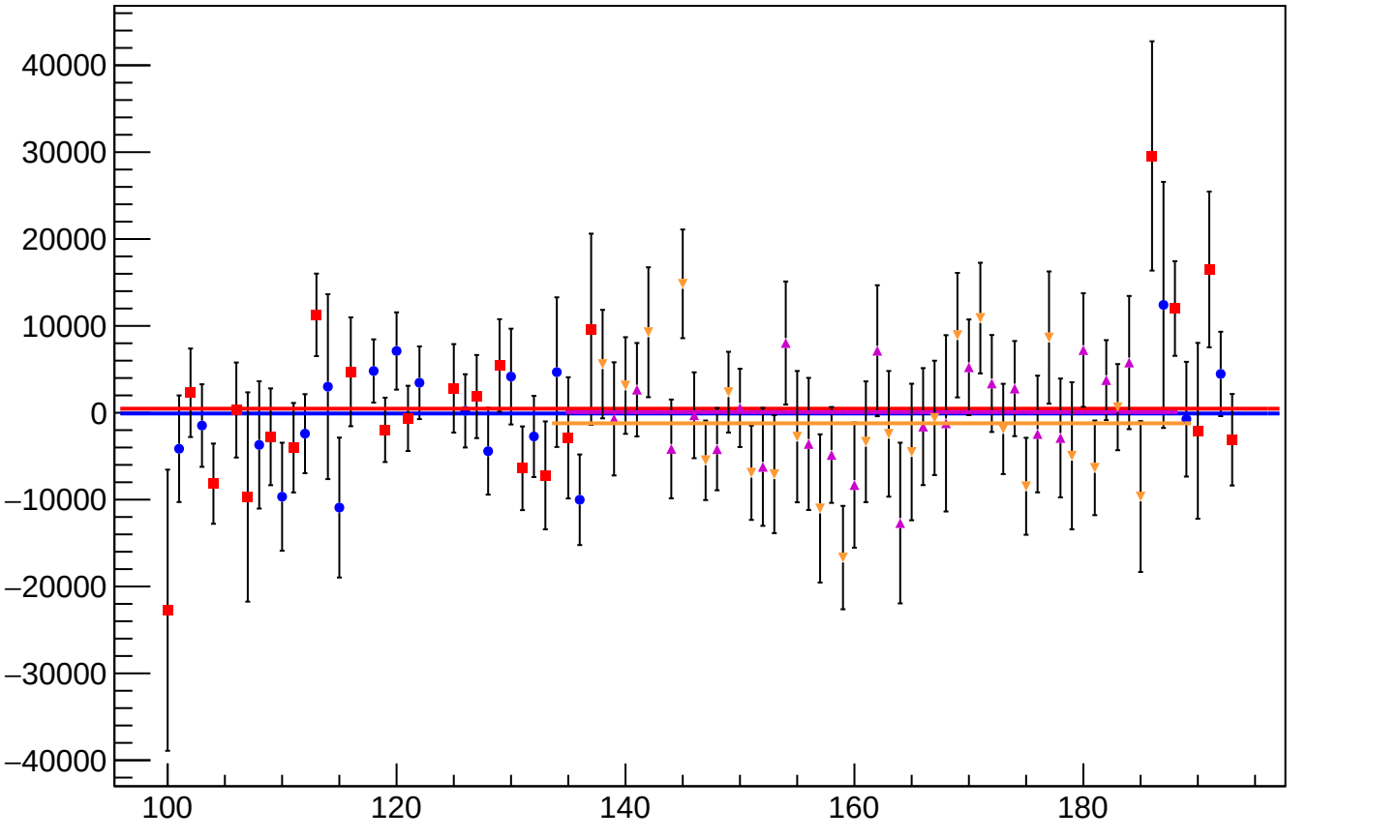
Right Out: 1407.561+/-0.316 χ^2/NDF: 152443.7/22

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1479.230+/-0.200 χ^2/NDF: 400897.4/42

All: 1479.038+/-0.141 χ^2/NDF: 860926.3/88

- sign 1478.852+/-0.197 χ^2/NDF: 460027.0/45



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: 468.379+/-1173.421 χ^2/NDF: 32.4/22

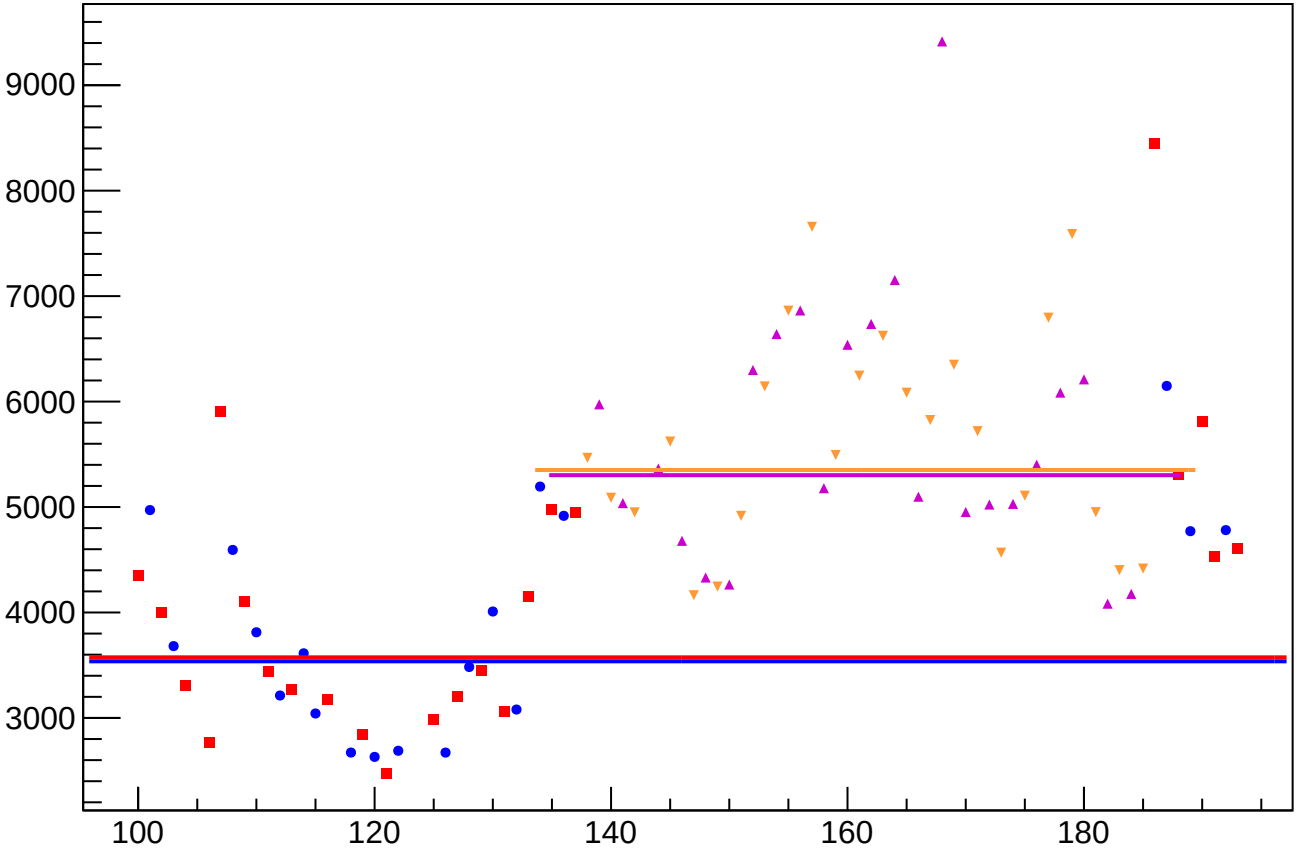
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -628.009+/-881.025 χ^2/NDF: 51.4/42

All: -158.488+/-615.439 χ^2/NDF: 97.5/88

- sign 288.971+/-860.077 χ^2/NDF: 45.6/45

asym_usl_atl2_avg_eigen_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: 3574.741+/-0.830 χ^2/NDF: 1294312.8/22

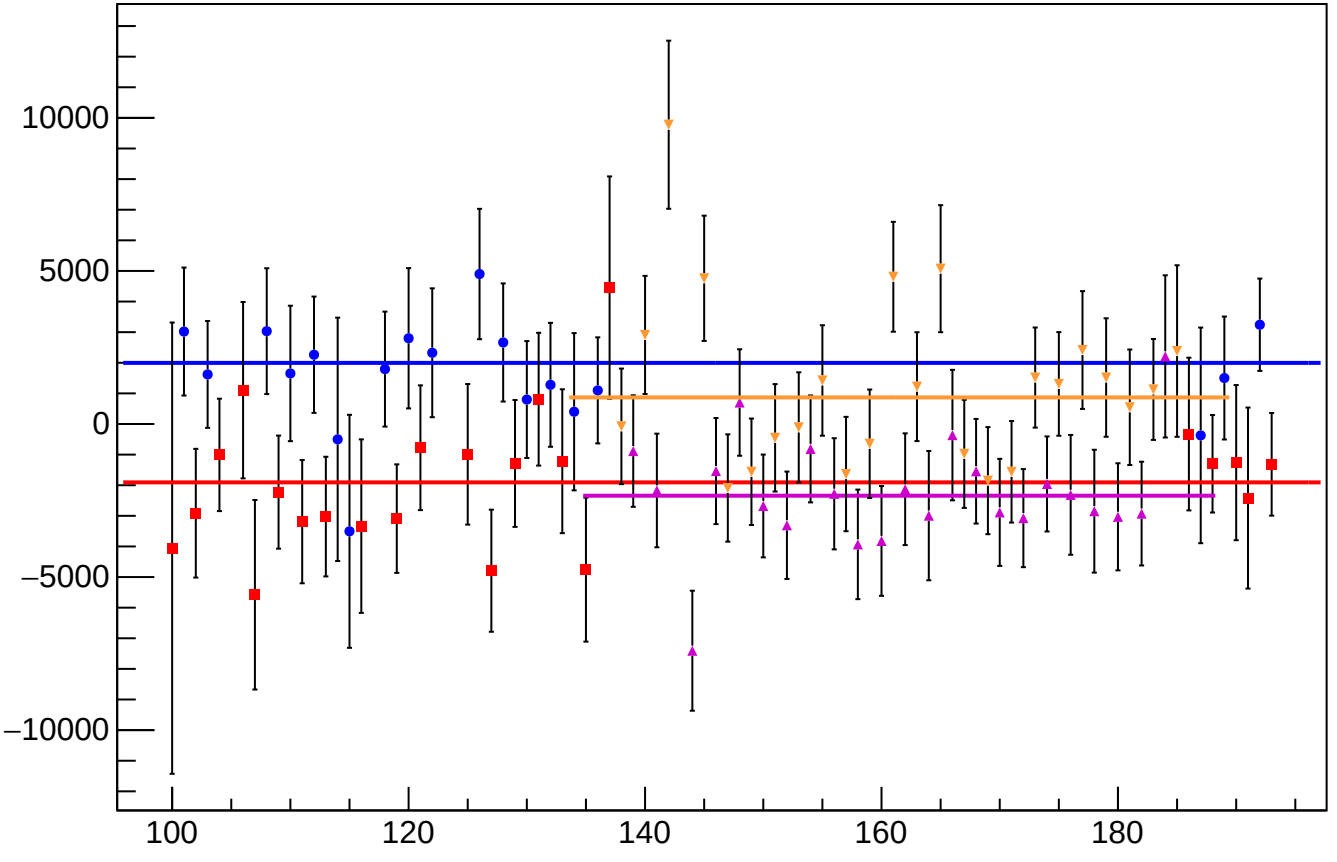
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

\+ sign 4412.293+/-0.623 χ^2/NDF: 4237918.0/42

All: 4392.753+/-0.435 χ^2/NDF: 8796256.1/88

\- sign 4374.132+/-0.608 χ^2/NDF: 4556416.9/45

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: -1906.927+/-458.508 χ^2/NDF: 14.1/22

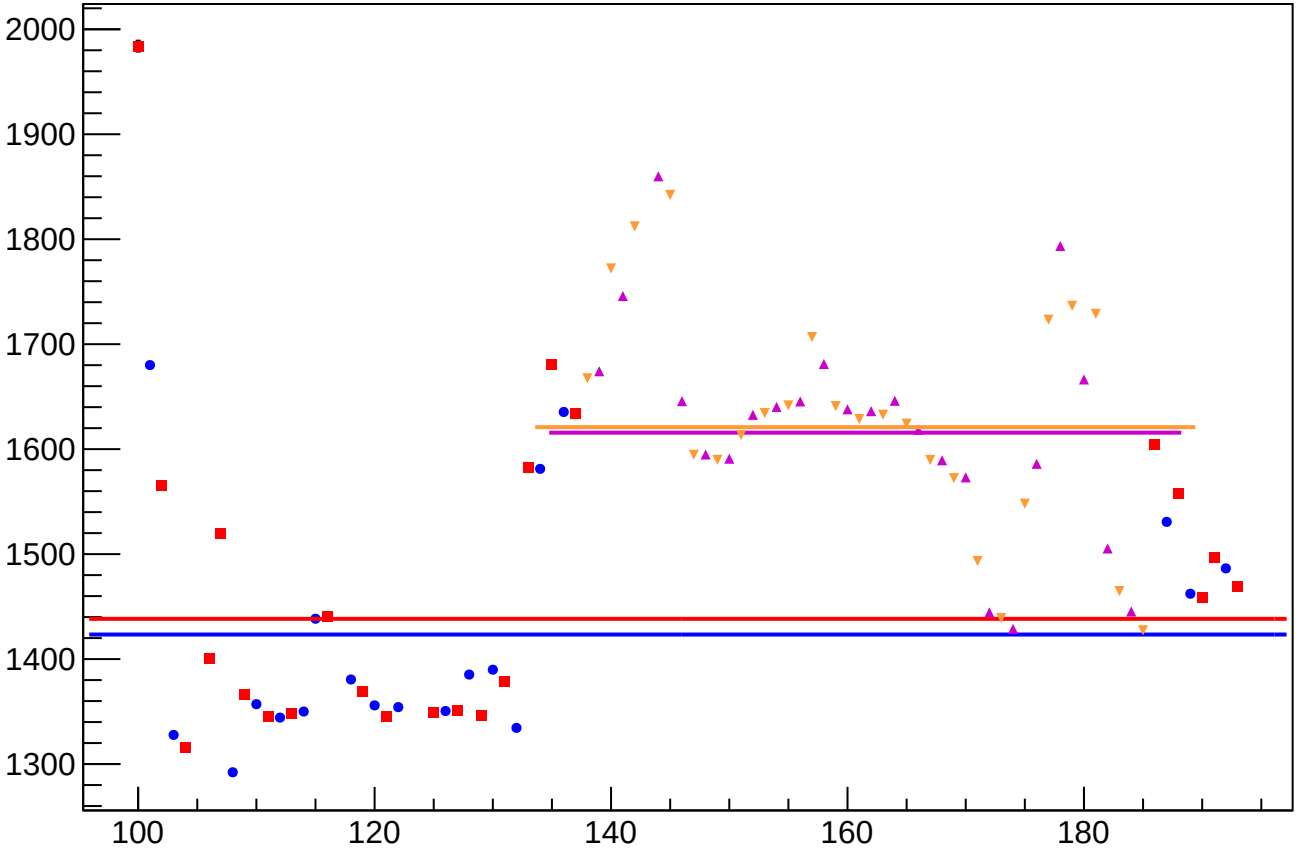
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1300.734+/-296.223 χ^2/NDF: 50.7/42

All: -459.247+/-207.849 χ^2/NDF: 153.0/88

- sign -2166.069+/-291.715 χ^2/NDF: 32.7/45

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: 1438.335+/-0.324 χ^2/NDF: 116366.1/22

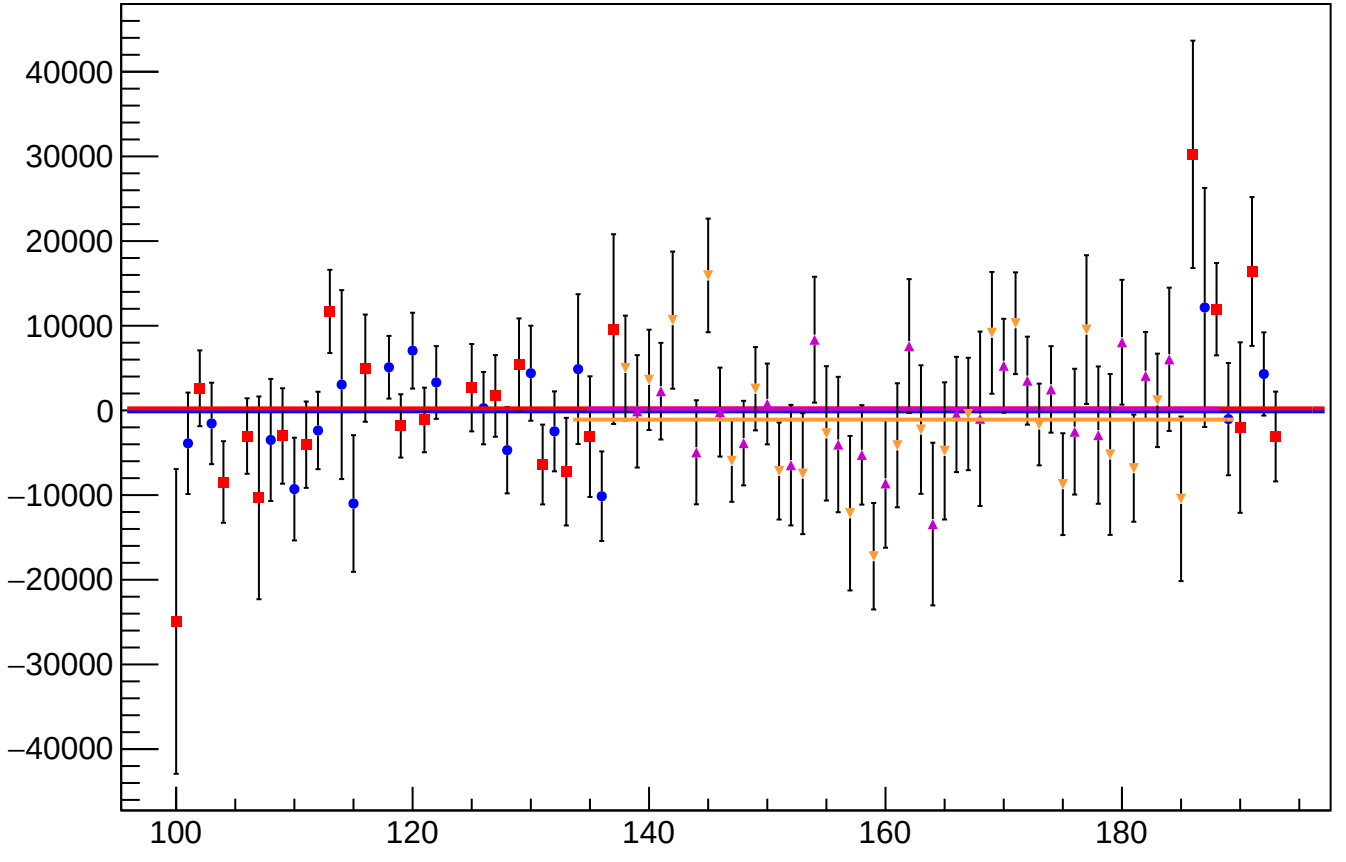
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1545.238+/-0.209 χ^2/NDF: 458685.5/42

All: 1544.475+/-0.147 χ^2/NDF: 890786.8/88

- sign 1543.736+/-0.206 χ^2/NDF: 432075.3/45

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: 239.303+/-1162.740 χ^2/NDF: 33.2/22

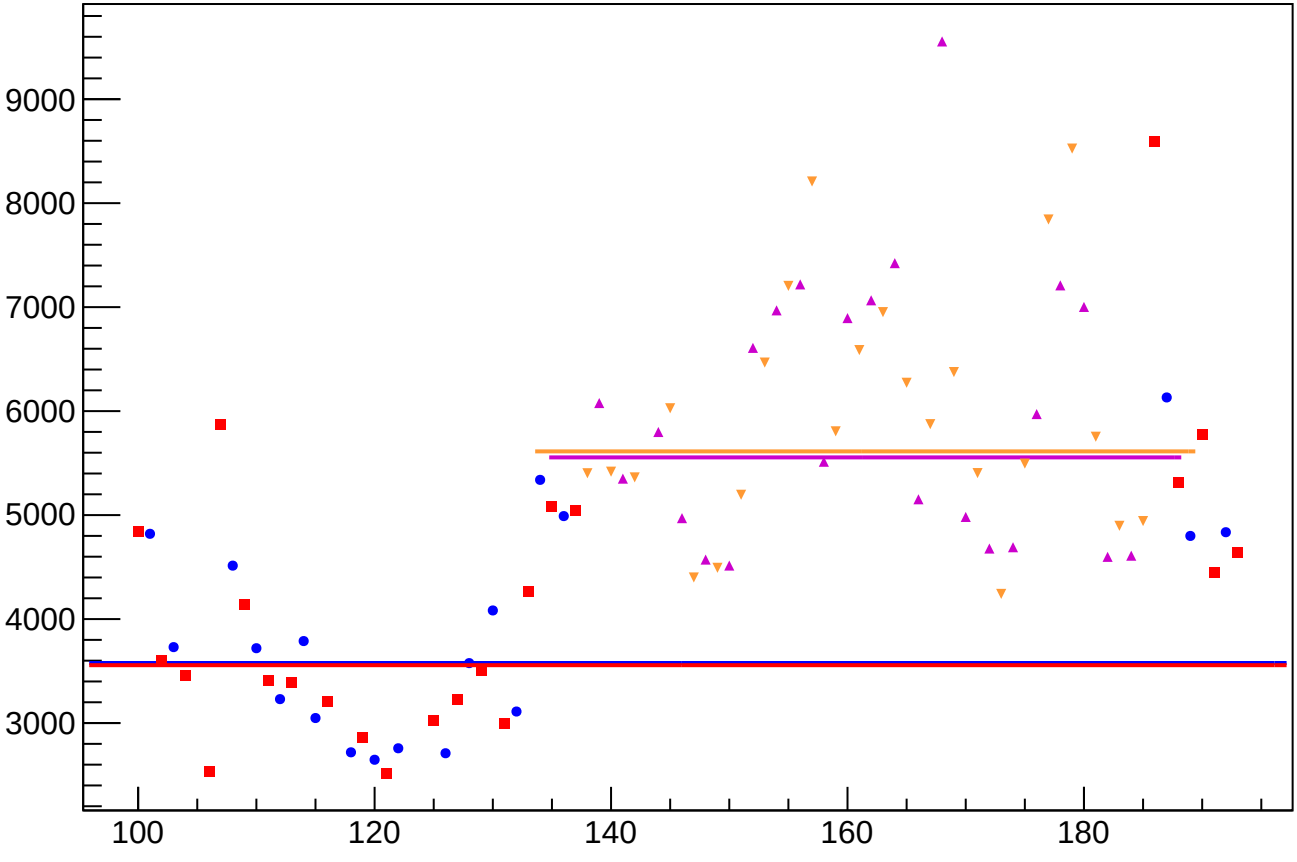
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -558.554+/-906.703 χ^2/NDF: 50.7/42

All: -153.586+/-629.362 χ^2/NDF: 97.3/88

- sign 222.944+/-874.287 χ^2/NDF: 46.1/45

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: 3556.599+/-0.822 χ^2/NDF: 1340303.0/22

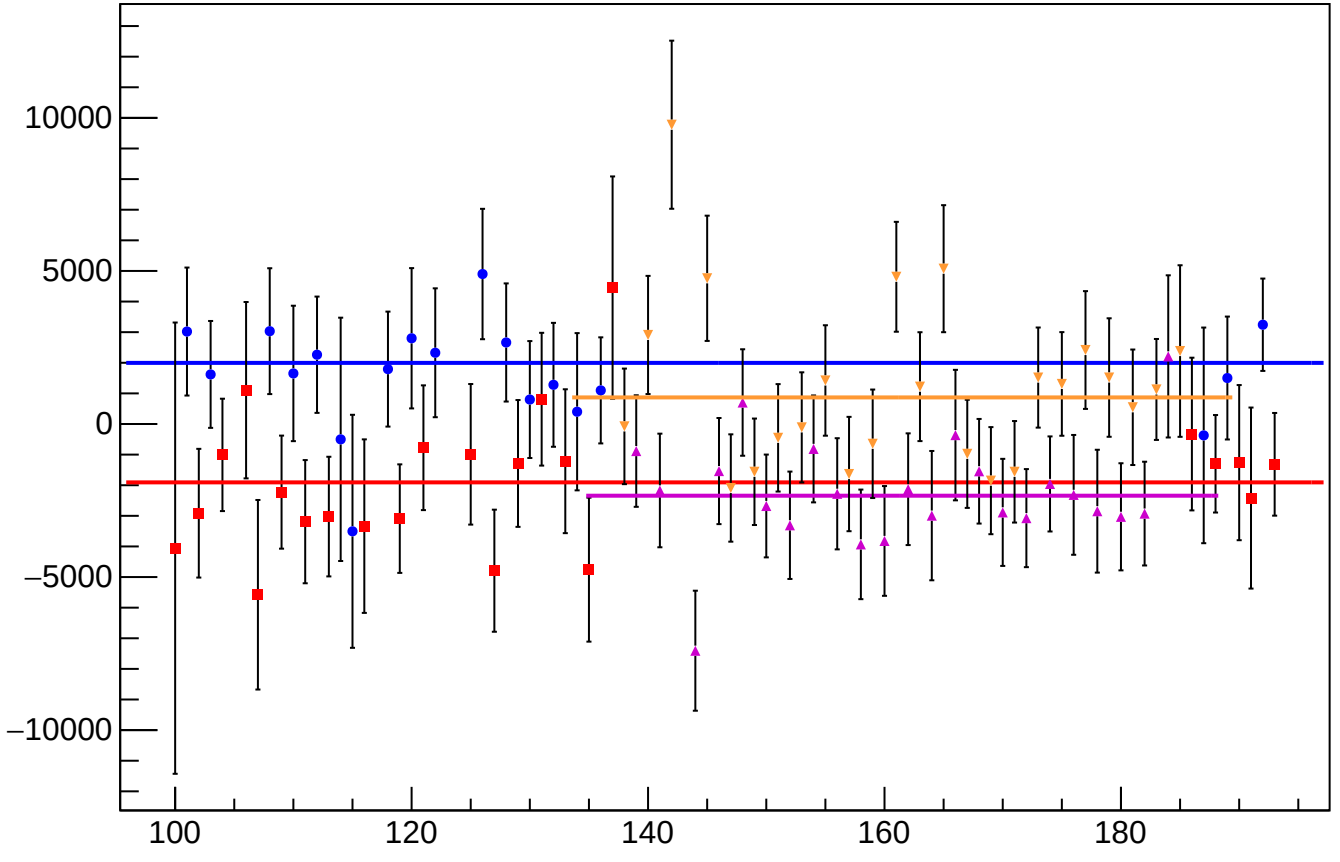
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

\+ sign 4520.011+/-0.641 χ^2/NDF: 4708727.4/42

All: 4470.832+/-0.445 χ^2/NDF: 9960825.8/88

\- sign 4425.106+/-0.618 χ^2/NDF: 5240744.0/45

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: -1906.927+/-458.508 χ^2/NDF: 14.1/22

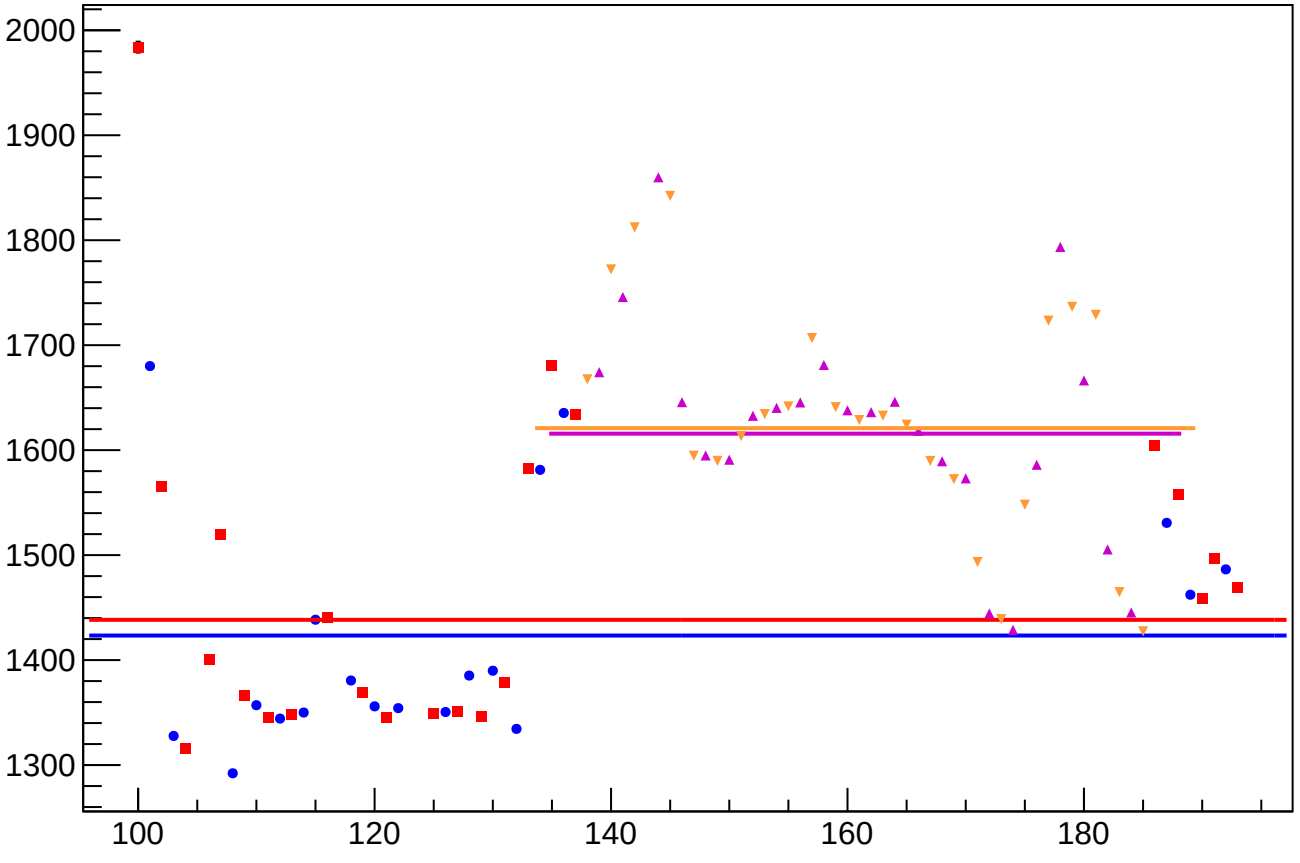
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1300.731+/-296.223 χ^2/NDF: 50.7/42

All: -459.248+/-207.849 χ^2/NDF: 153.0/88

- sign -2166.069+/-291.715 χ^2/NDF: 32.7/45

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

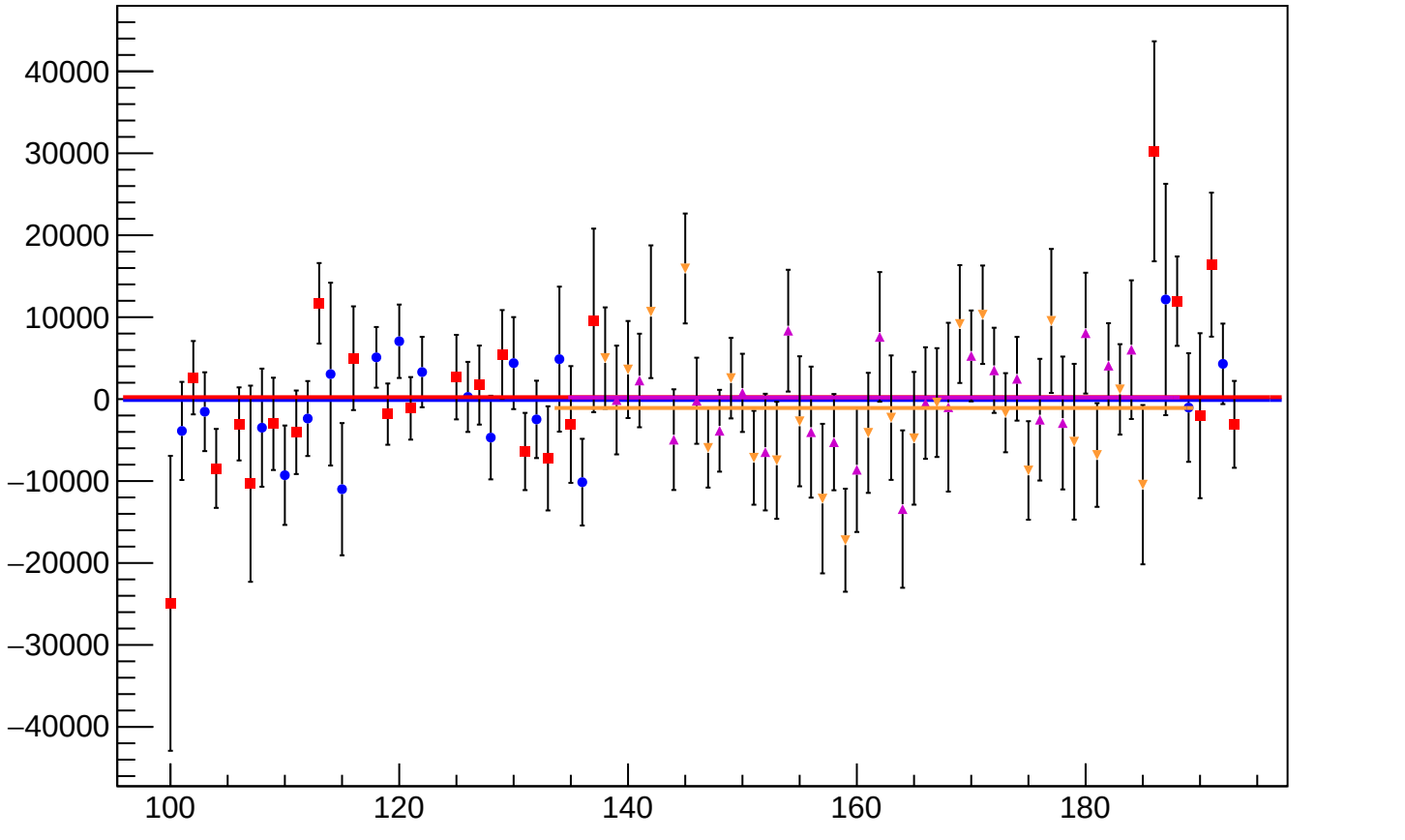
Right Out: 1438.334+/-0.324 χ^2/NDF: 116366.1/22

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1545.239+/-0.209 χ^2/NDF: 458692.8/42

All: 1544.475+/-0.147 χ^2/NDF: 890801.8/88

- sign 1543.737+/-0.206 χ^2/NDF: 432082.8/45



Right In: -106.887+/-1237.400 χ^2/NDF: 17.5/18

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

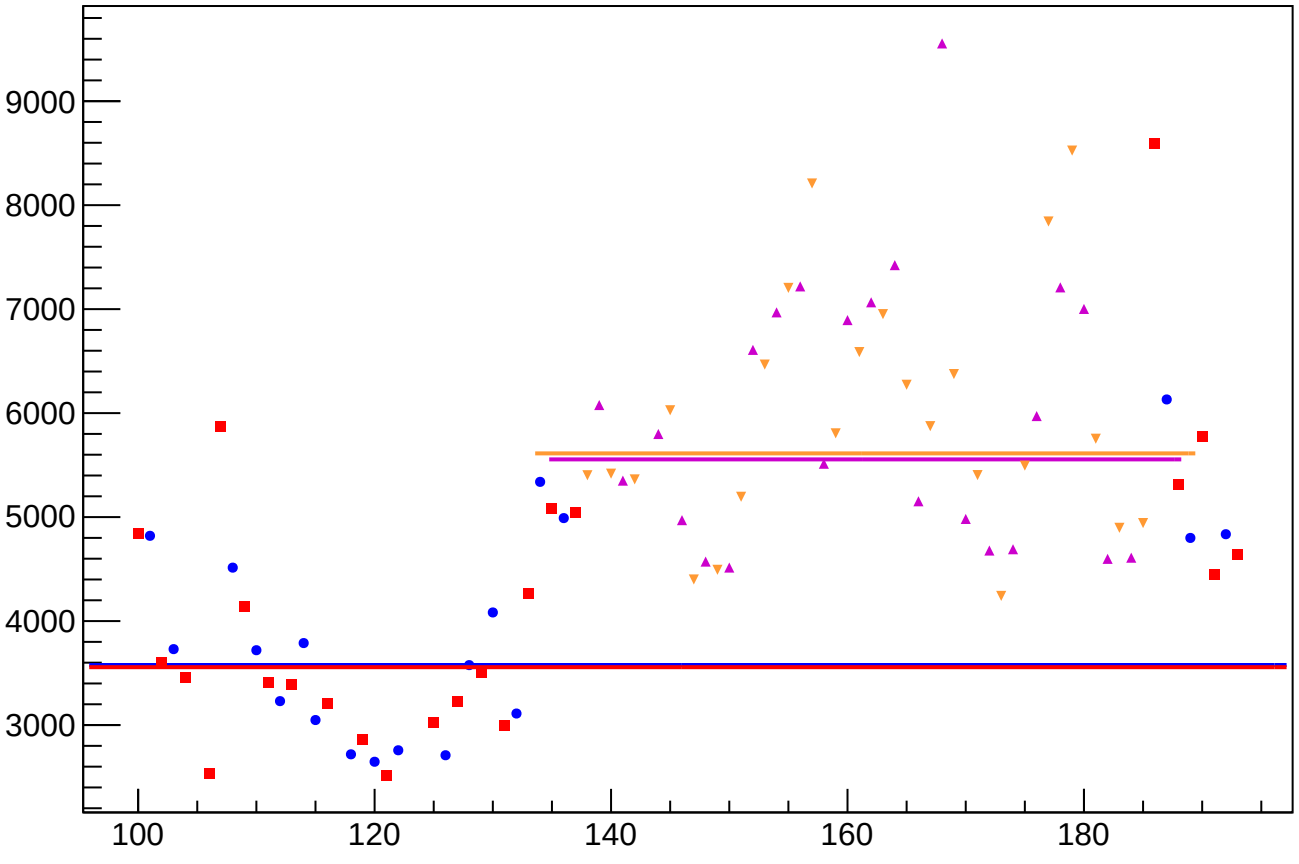
Right Out: 239.296+/-1162.737 χ^2/NDF: 33.2/22

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

+ sign -558.554+/-906.702 χ^2/NDF: 50.7/42

All: -153.587+/-629.362 χ^2/NDF: 97.3/88

- sign 222.940+/-874.286 χ^2/NDF: 46.1/45



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: 3556.590+/-0.822 χ^2/NDF: 1340316.6/22

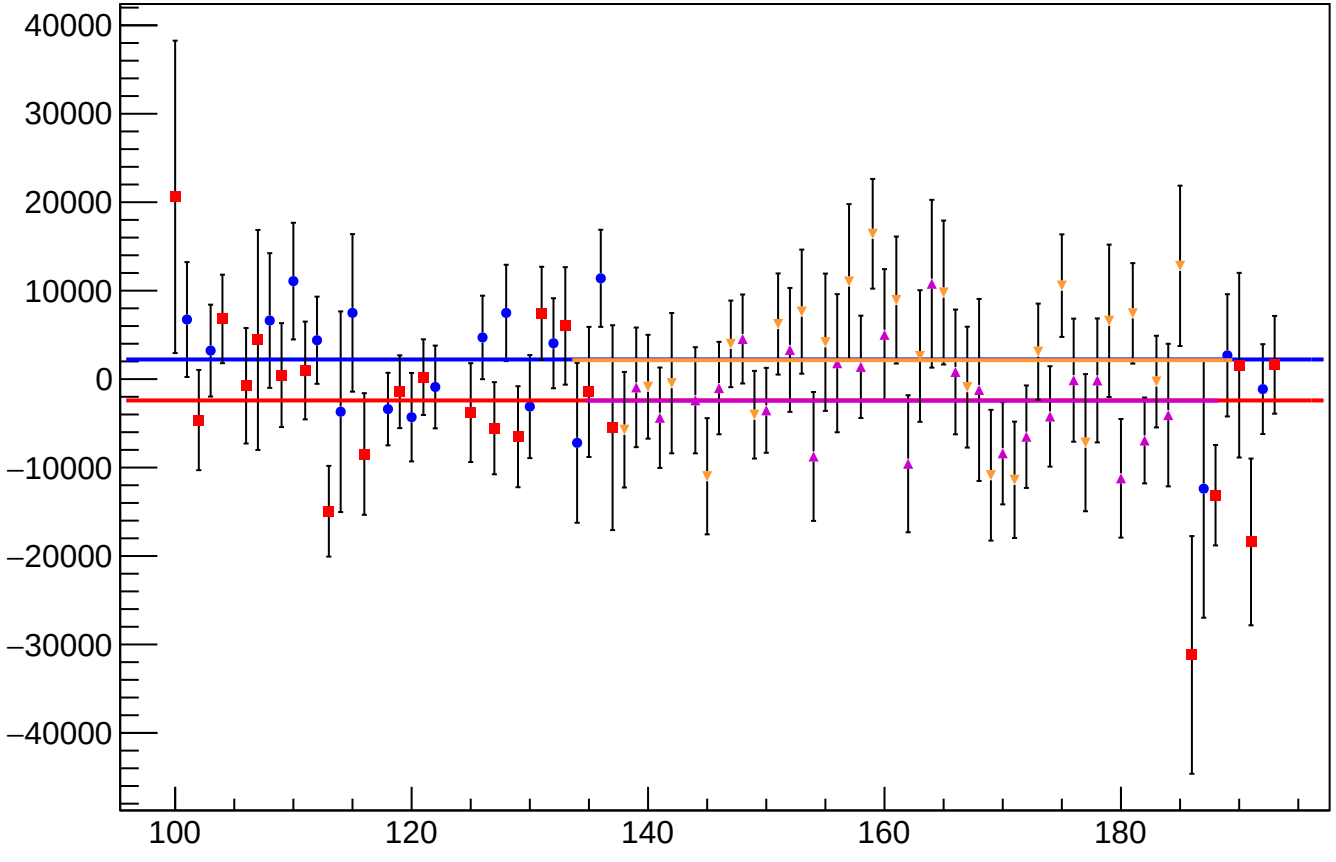
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4520.005+/-0.641 χ^2/NDF: 4708792.6/42

All: 4470.826+/-0.445 χ^2/NDF: 9960951.6/88

- sign 4425.101+/-0.618 χ^2/NDF: 5240804.6/45

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: -2412.200+/-1277.536 χ^2/NDF: 31.2/22

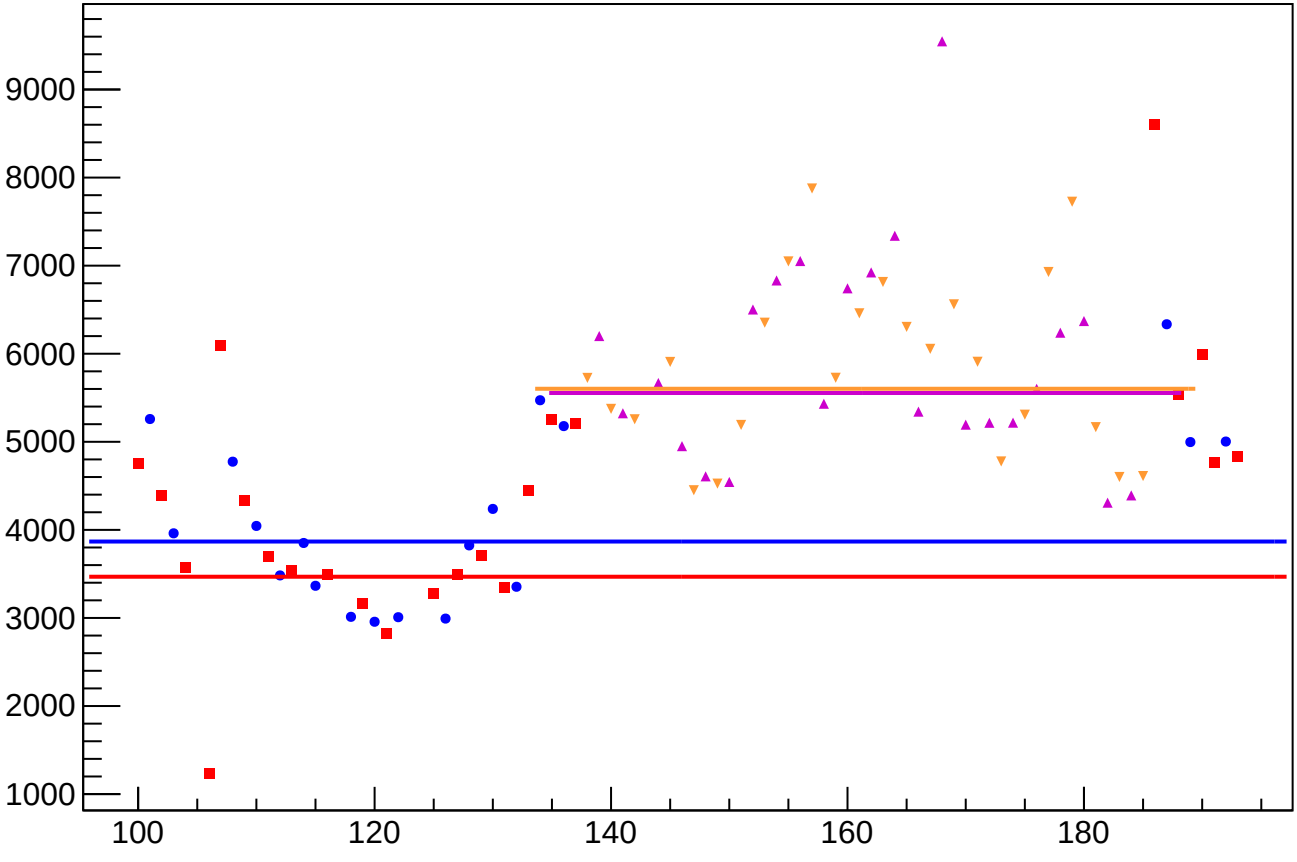
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

\+ sign 2179.829+/-938.935 χ^2/NDF: 45.7/42

All: -170.960+/-656.533 χ^2/NDF: 102.0/88

\- sign -2419.864+/-918.362 χ^2/NDF: 44.1/45

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

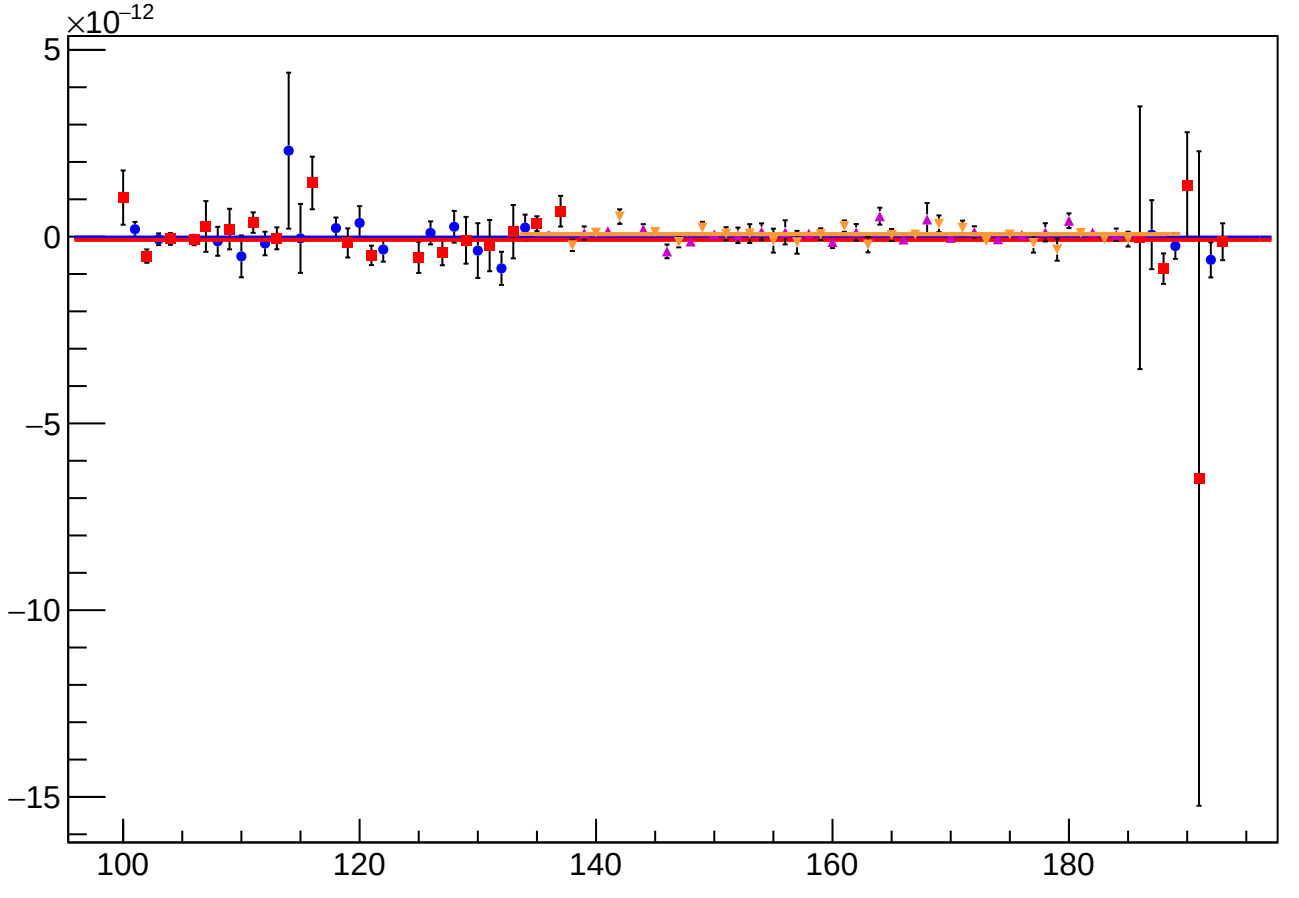
Right Out: 3468.046+/-0.837 χ^2/NDF: 2543238.4/22

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4739.510+/-0.664 χ^2/NDF: 3493099.4/42

All: 4557.711+/-0.455 χ^2/NDF: 10054660.6/8

- sign 4397.375+/-0.624 χ^2/NDF: 6420454.2/45



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: 34.7/22

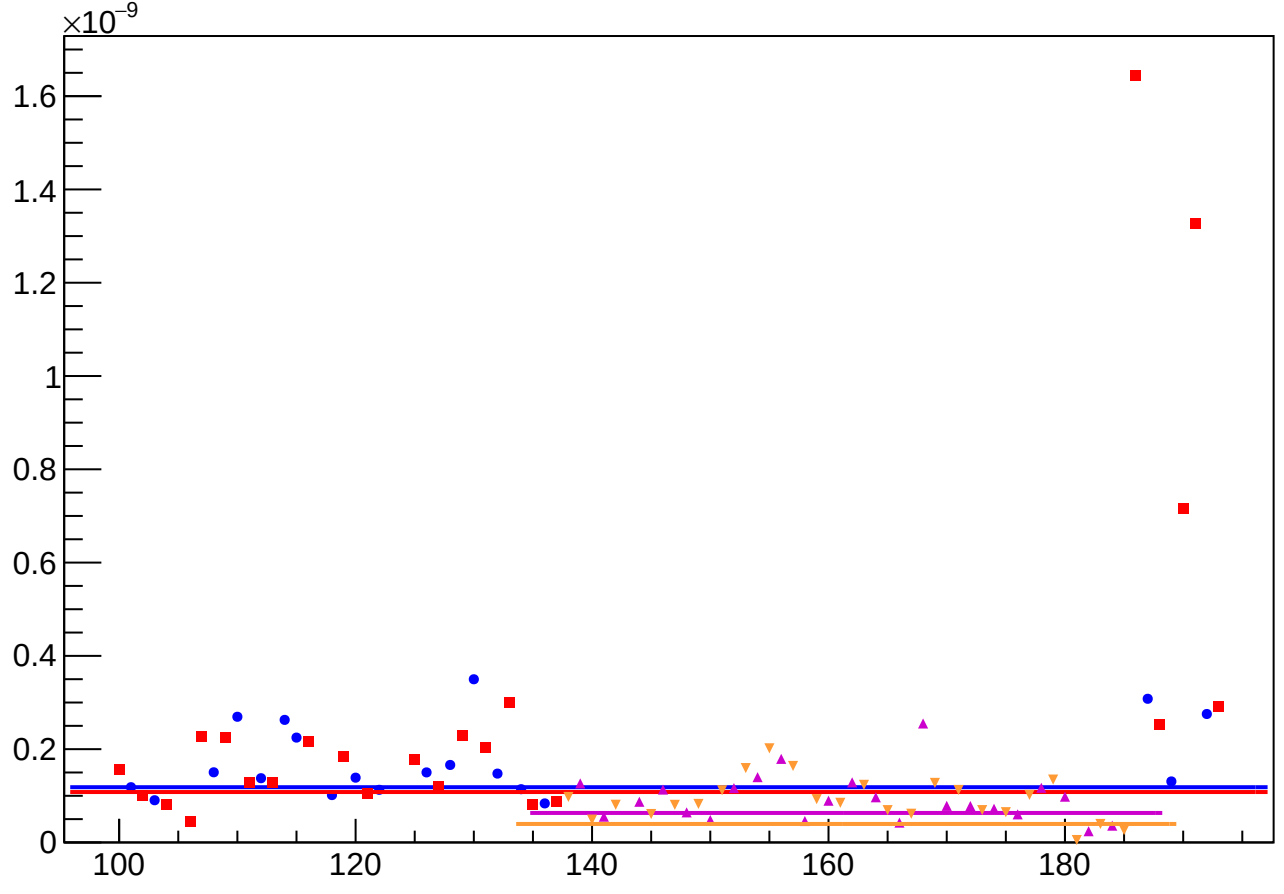
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.3/42

All: 0.000+/-0.000 χ^2/NDF: 108.1/88

- sign 0.000+/-0.000 χ^2/NDF: 64.1/45

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: 2447575.8/22

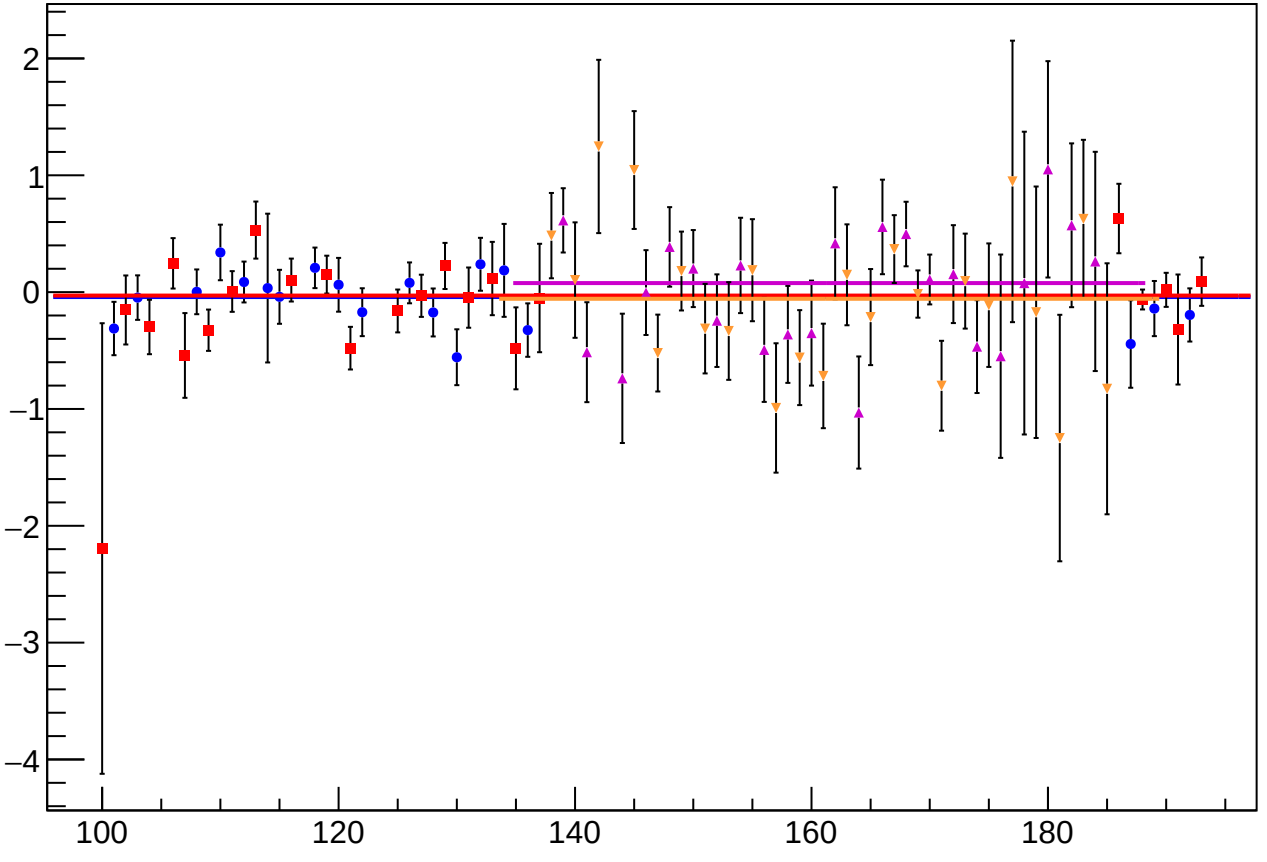
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10354926.1/42

All: 0.000+/-0.000 χ^2/NDF: 17530670.9/88

- sign 0.000+/-0.000 χ^2/NDF: 6190641.7/45

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: -0.029+/-0.041 χ^2/NDF: 32.3/22

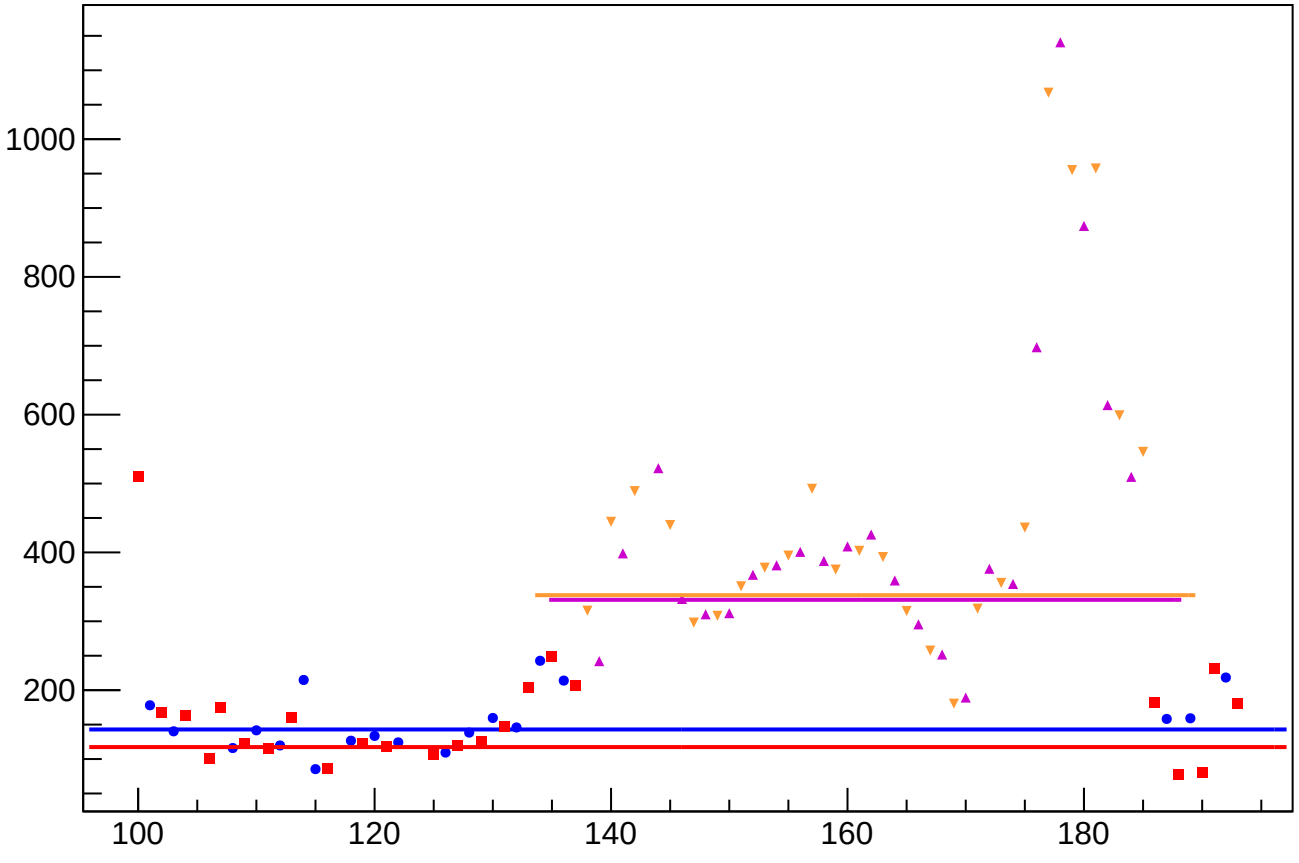
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 48.4/42

All: -0.024+/-0.028 χ^2/NDF: 109.4/88

- sign -0.008+/-0.037 χ^2/NDF: 60.7/45

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

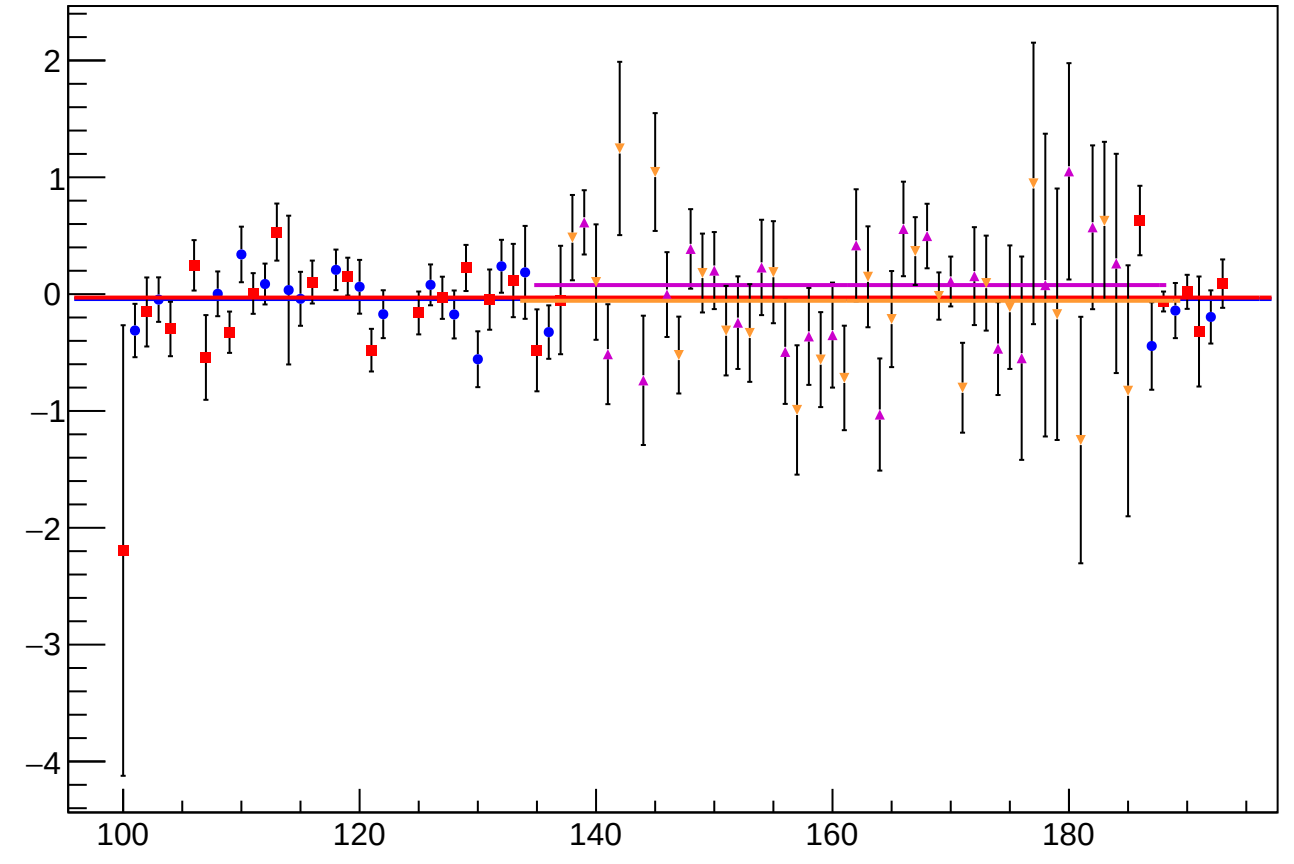
Right Out: 117.366+/-0.029 χ^2/NDF: 1920444.4/22

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 194.127+/-0.031 χ^2/NDF: 13141714.3/42

All: 173.881+/-0.020 χ^2/NDF: 30455726.9/88

- sign 159.424+/-0.026 χ^2/NDF: 16580997.6/45



Right In: -0.042+/-0.051 χ^2/NDF: 18.0/18

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

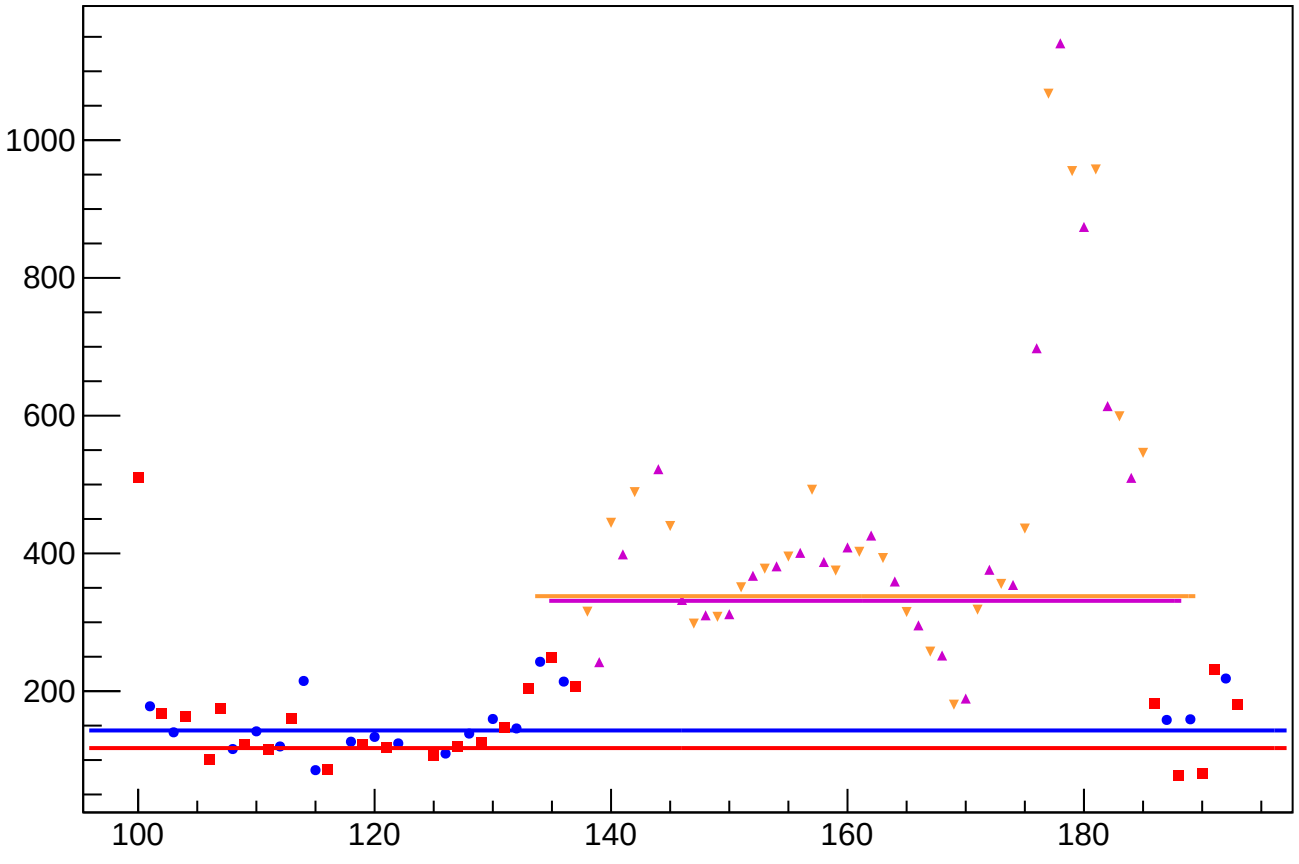
Right Out: -0.029+/-0.041 χ^2/NDF: 32.3/22

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 48.4/42

All: -0.024+/-0.028 χ^2/NDF: 109.4/88

- sign -0.008+/-0.037 χ^2/NDF: 60.7/45



Right In: 142.944+/-0.036 χ^2/NDF: 945481.0/18

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

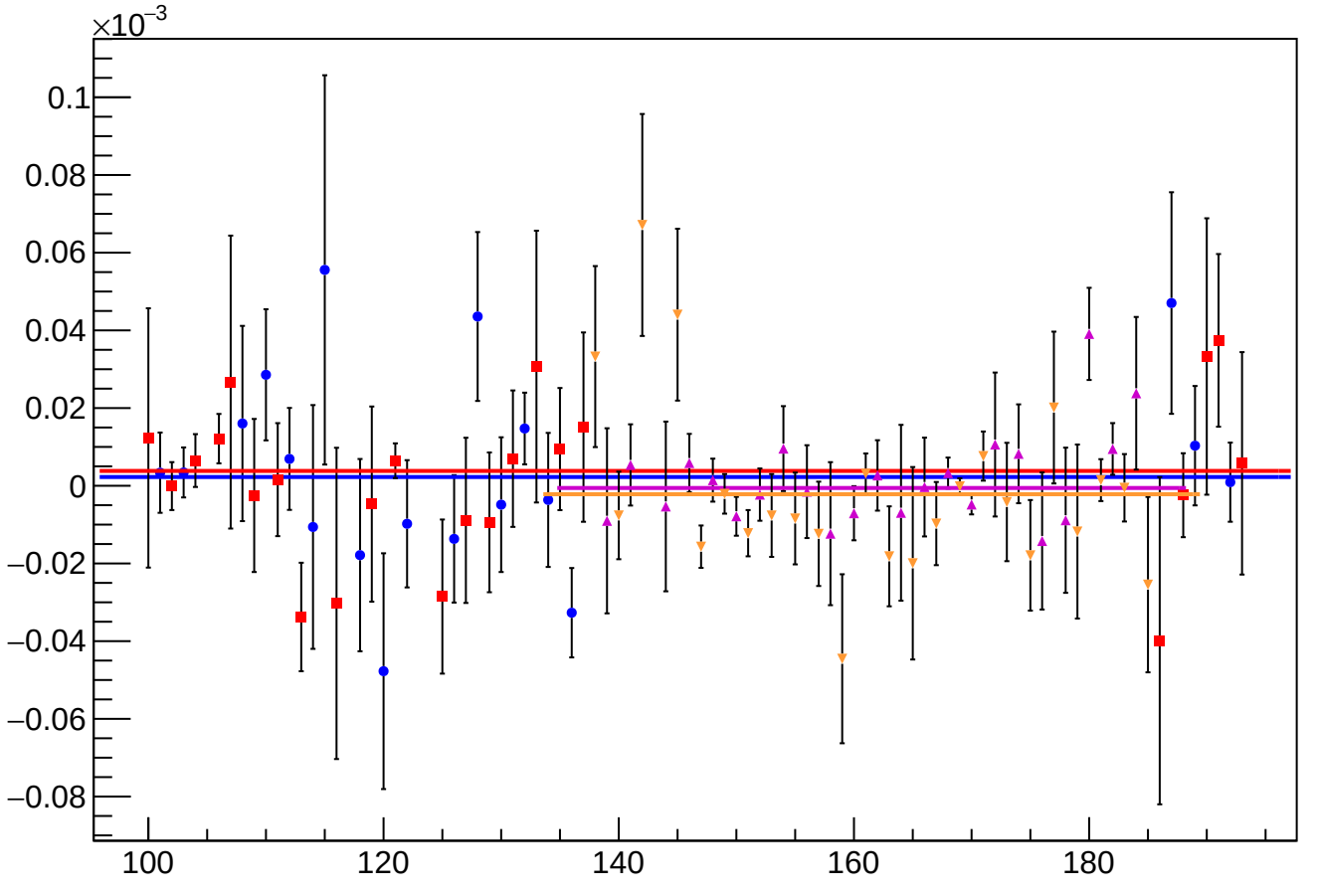
Right Out: 117.366+/-0.029 χ^2/NDF: 1920444.4/22

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 194.127+/-0.031 χ^2/NDF: 13141714.3/42

All: 173.881+/-0.020 χ^2/NDF: 30455726.9/88

- sign 159.424+/-0.026 χ^2/NDF: 16580997.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

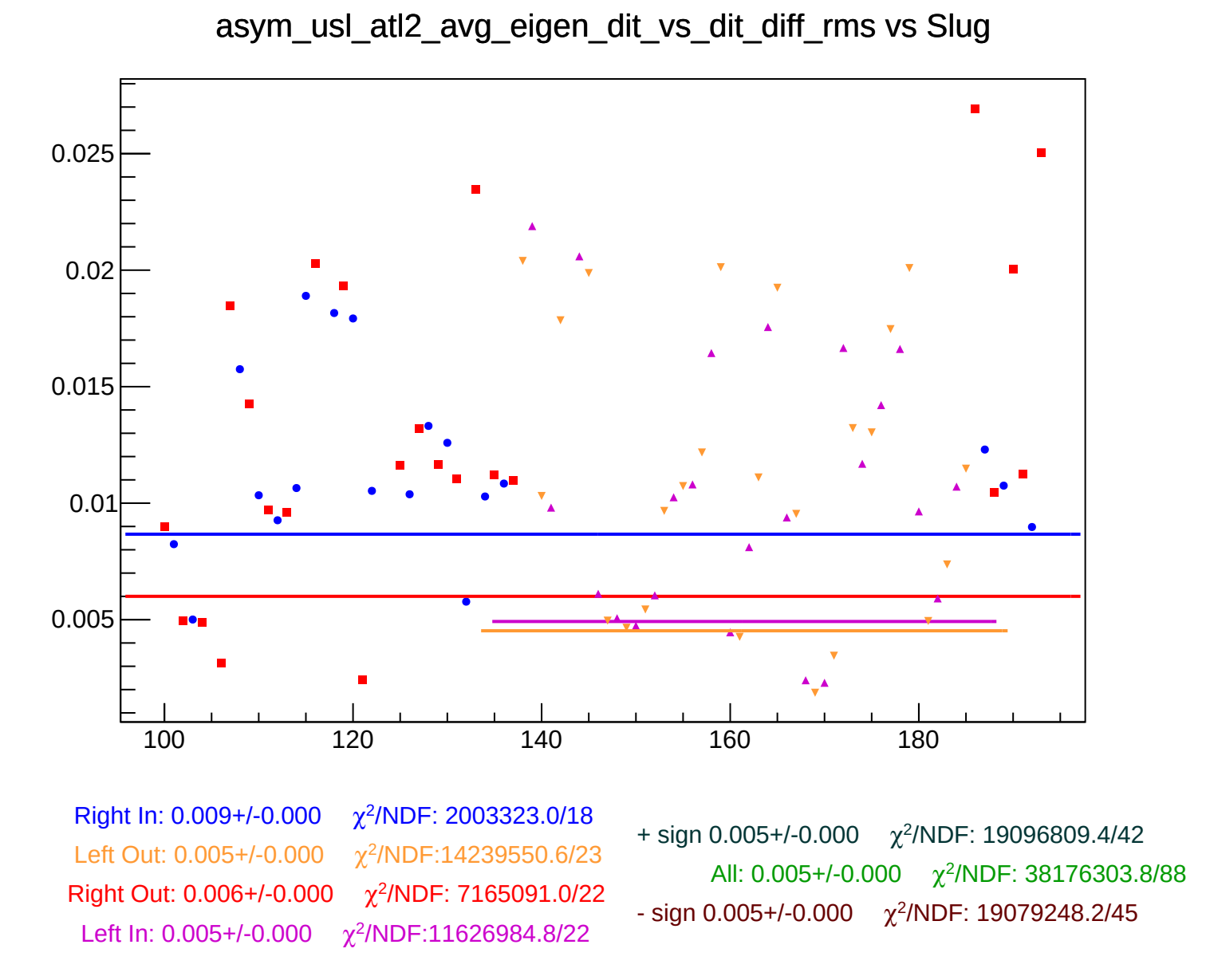
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/22

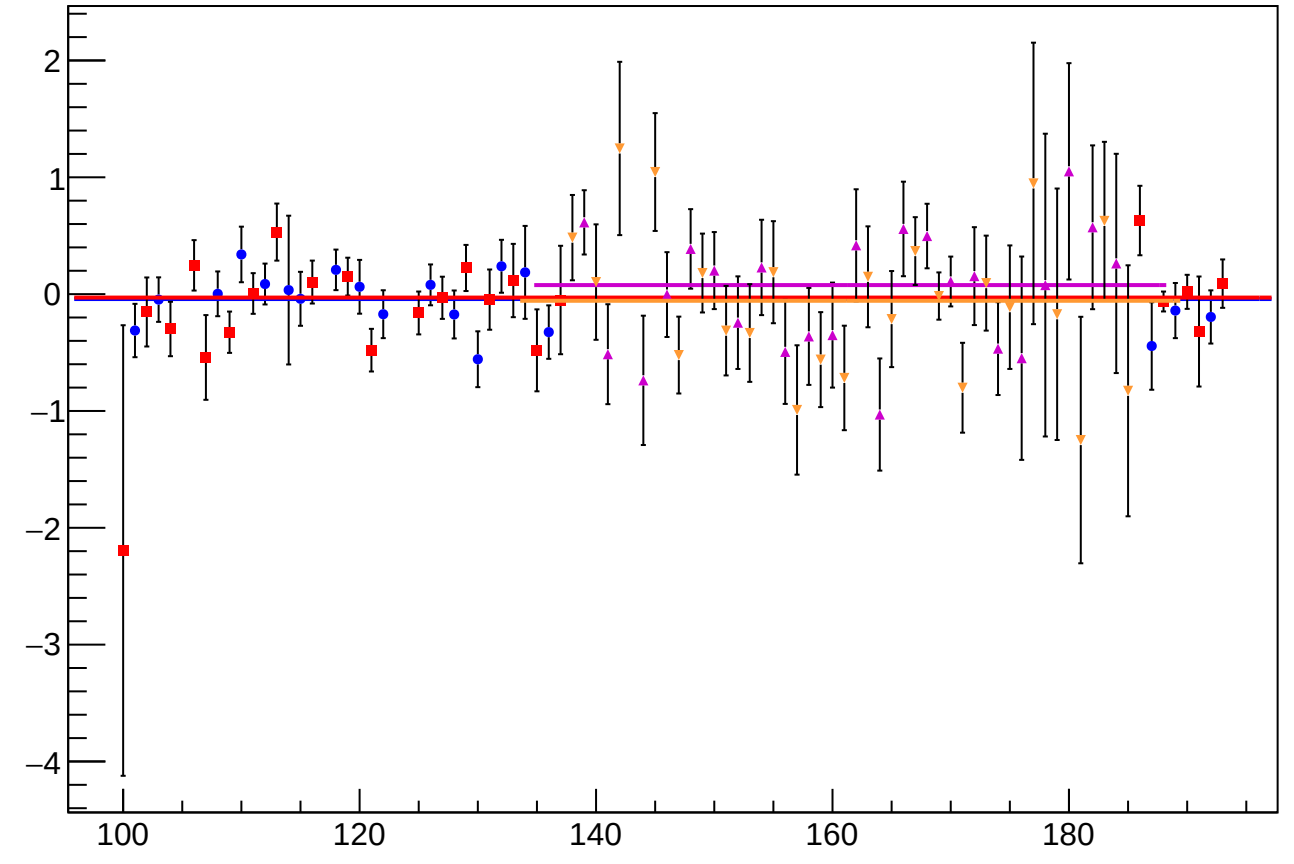
Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.3/42

All: -0.000+/-0.000 χ^2/NDF: 116.4/88

- sign 0.000+/-0.000 χ^2/NDF: 48.8/45


asym_usl_atl2_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: 0.009+/-0.000 χ²/NDF: 2003323.0/18
Left Out: 0.005+/-0.000 χ²/NDF:14239550.6/23
Right Out: 0.006+/-0.000 χ²/NDF: 7165091.0/22
Left In: 0.005+/-0.000 χ²/NDF:11626984.8/22
+ sign 0.005+/-0.000 χ²/NDF: 19096809.4/42
All: 0.005+/-0.000 χ²/NDF: 38176303.8/88
- sign 0.005+/-0.000 χ²/NDF: 19079248.2/45



Right In: -0.042+/-0.051 χ^2/NDF: 18.0/18

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

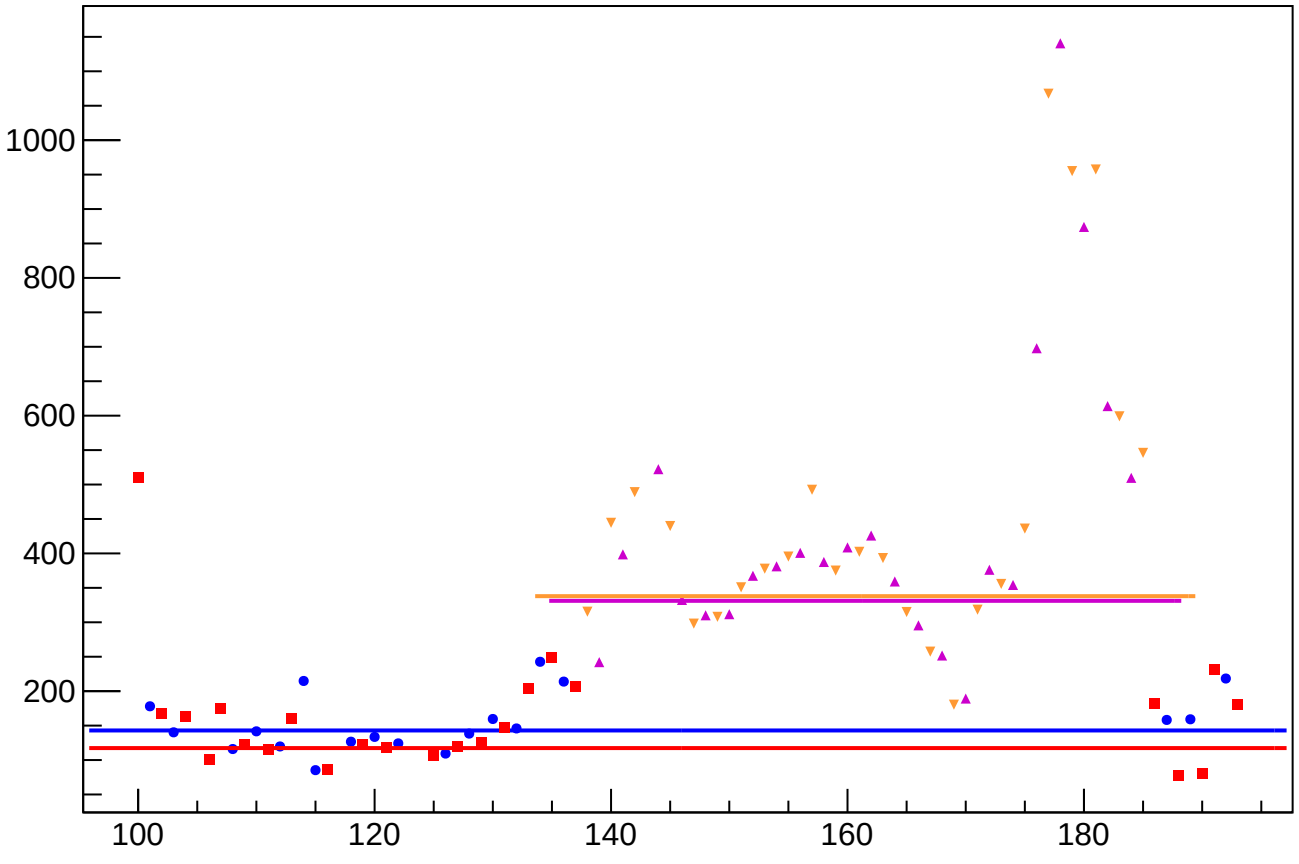
Right Out: -0.029+/-0.041 χ^2/NDF: 32.3/22

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 48.4/42

All: -0.024+/-0.028 χ^2/NDF: 109.4/88

- sign -0.008+/-0.037 χ^2/NDF: 60.7/45



Right In: 142.944+/-0.036 χ^2/NDF: 945451.5/18

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

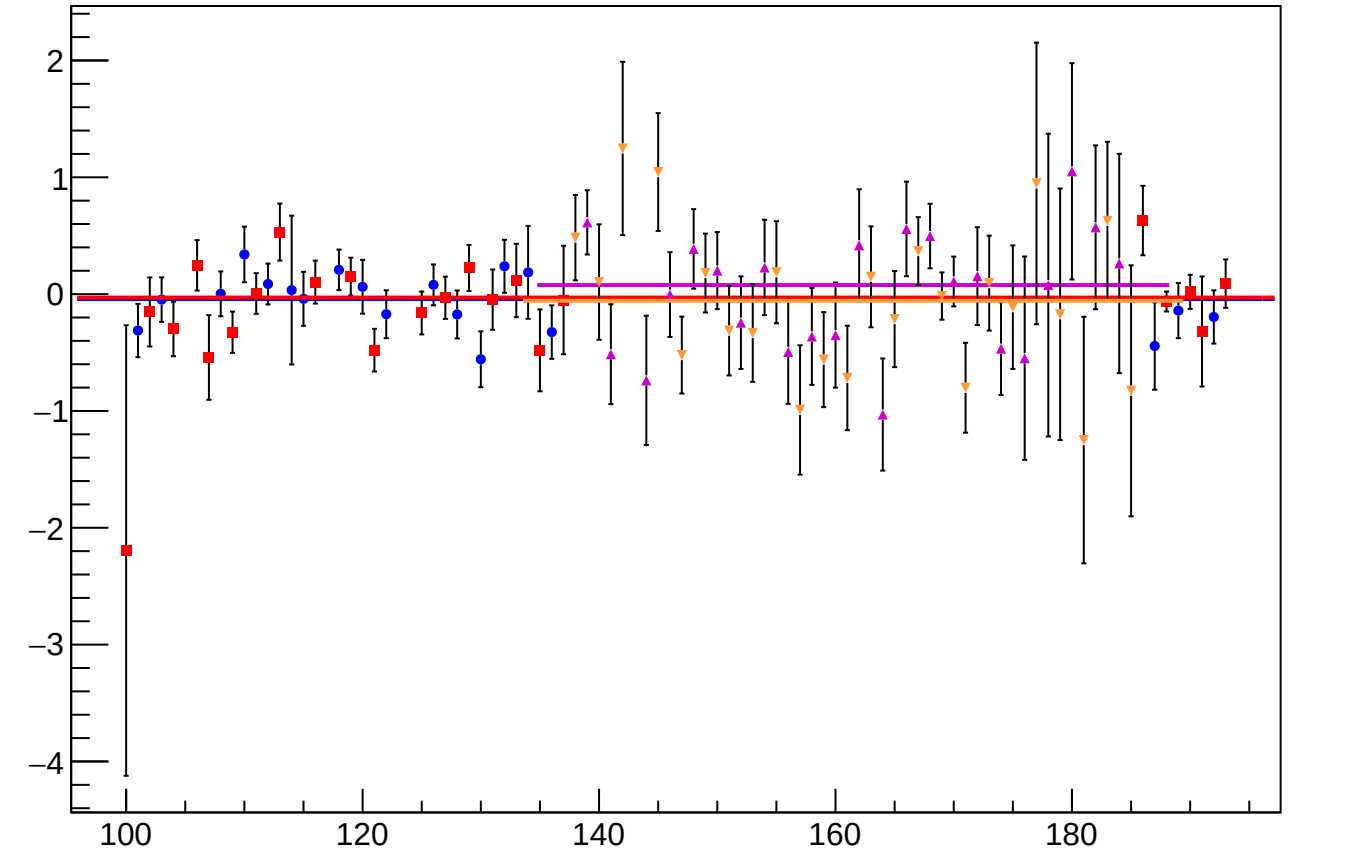
Right Out: 117.365+/-0.029 χ^2/NDF: 1920507.0/22

Left In: 331.161+/-0.060 χ^2/NDF:4106963.1/22

+ sign 194.127+/-0.031 χ^2/NDF: 13141816.0/42

All: 173.879+/-0.020 χ^2/NDF: 30456370.5/88

- sign 159.422+/-0.026 χ^2/NDF: 16581429.9/45



Right In: -0.042+/-0.051 χ^2/NDF: 18.0/18

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

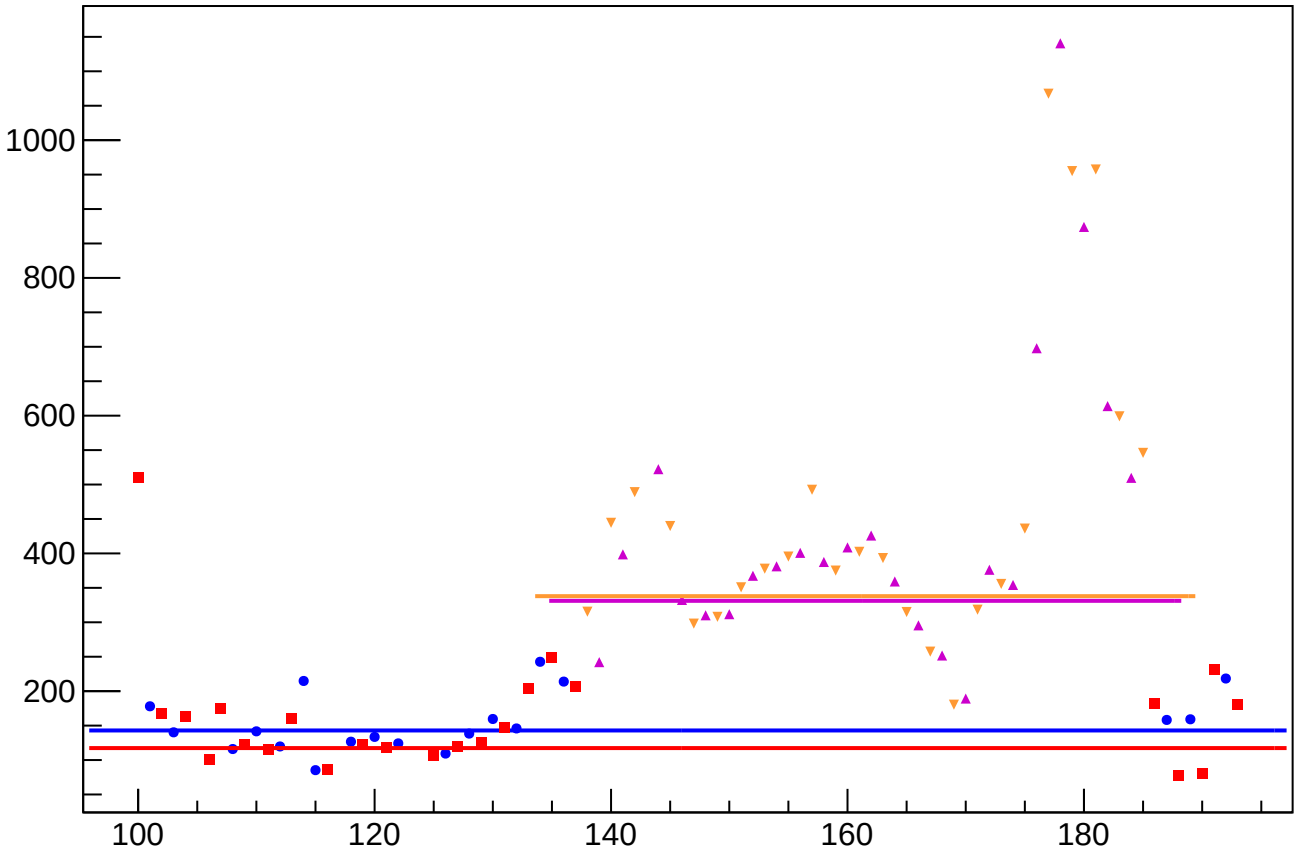
Right Out: -0.029+/-0.041 χ^2/NDF: 32.3/22

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 48.4/42

All: -0.024+/-0.028 χ^2/NDF: 109.4/88

- sign -0.008+/-0.037 χ^2/NDF: 60.7/45



Right In: 142.944+/-0.036 χ^2/NDF: 945451.5/18

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

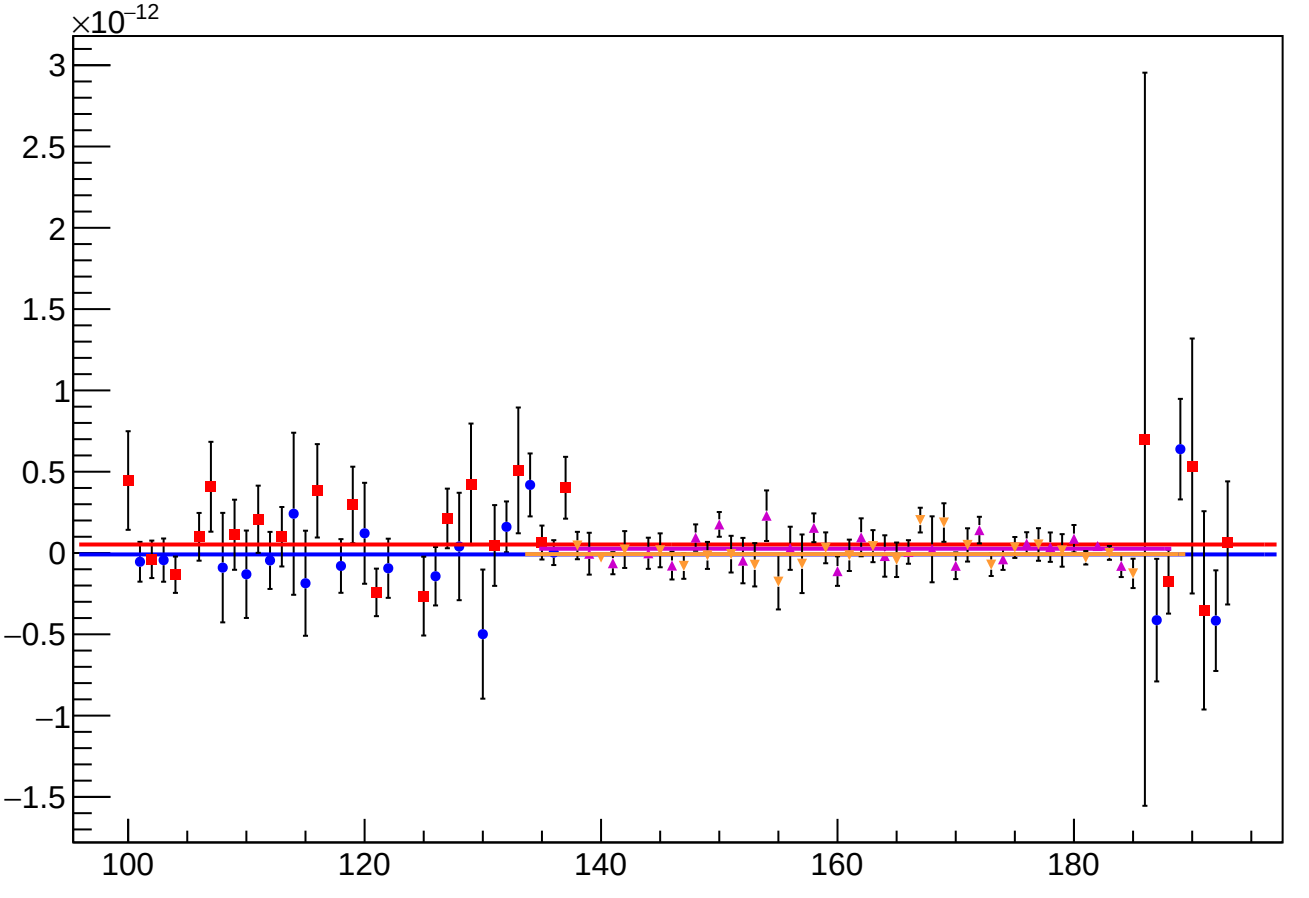
Right Out: 117.365+/-0.029 χ^2/NDF: 1920507.0/22

Left In: 331.161+/-0.060 χ^2/NDF:4106963.1/22

+ sign 194.127+/-0.031 χ^2/NDF: 13141816.0/42

All: 173.879+/-0.020 χ^2/NDF: 30456370.5/88

- sign 159.422+/-0.026 χ^2/NDF: 16581429.9/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

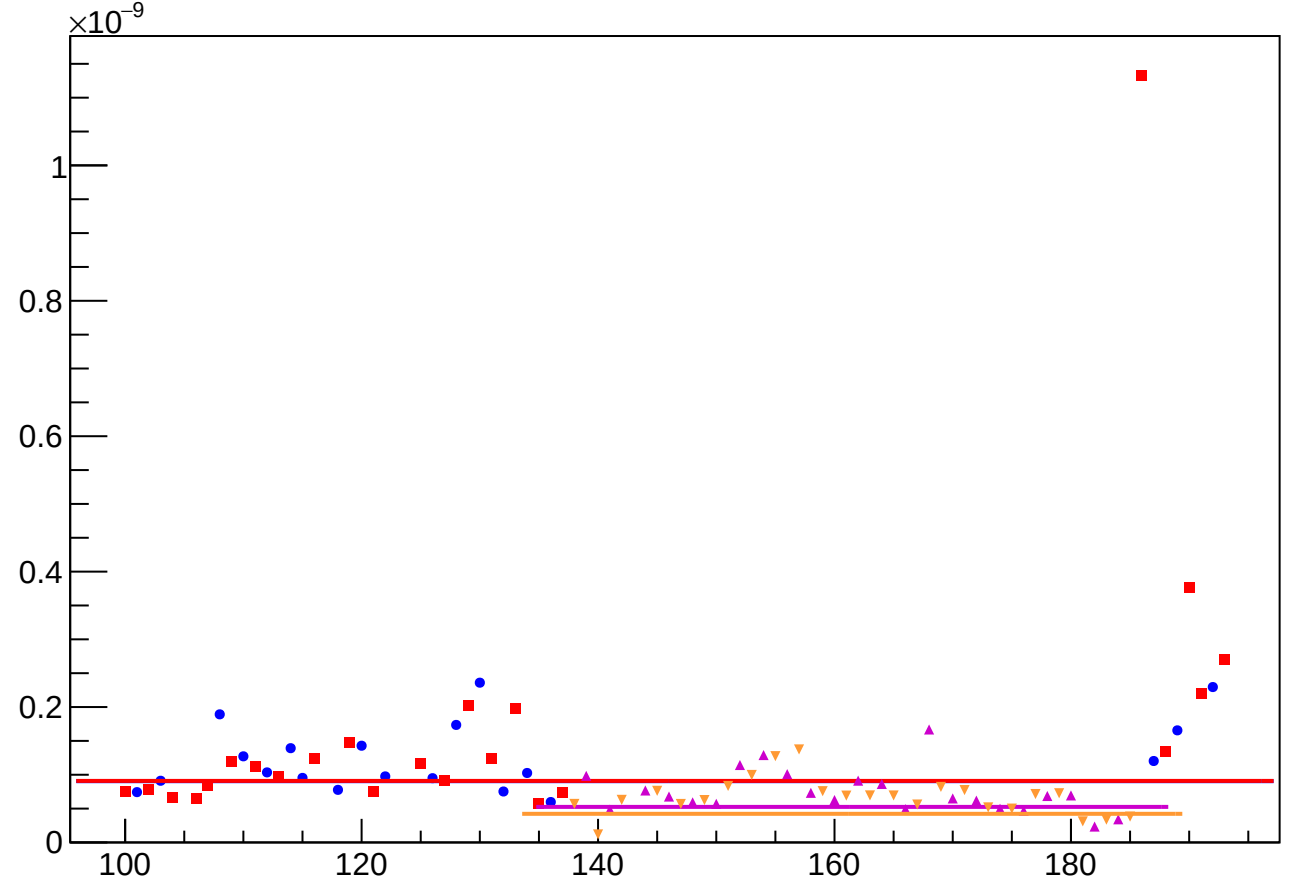
Right Out: 0.000+/-0.000 χ^2/NDF: 24.5/22

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: 86.2/88

- sign 0.000+/-0.000 χ^2/NDF: 47.6/45



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: 2349929.1/22

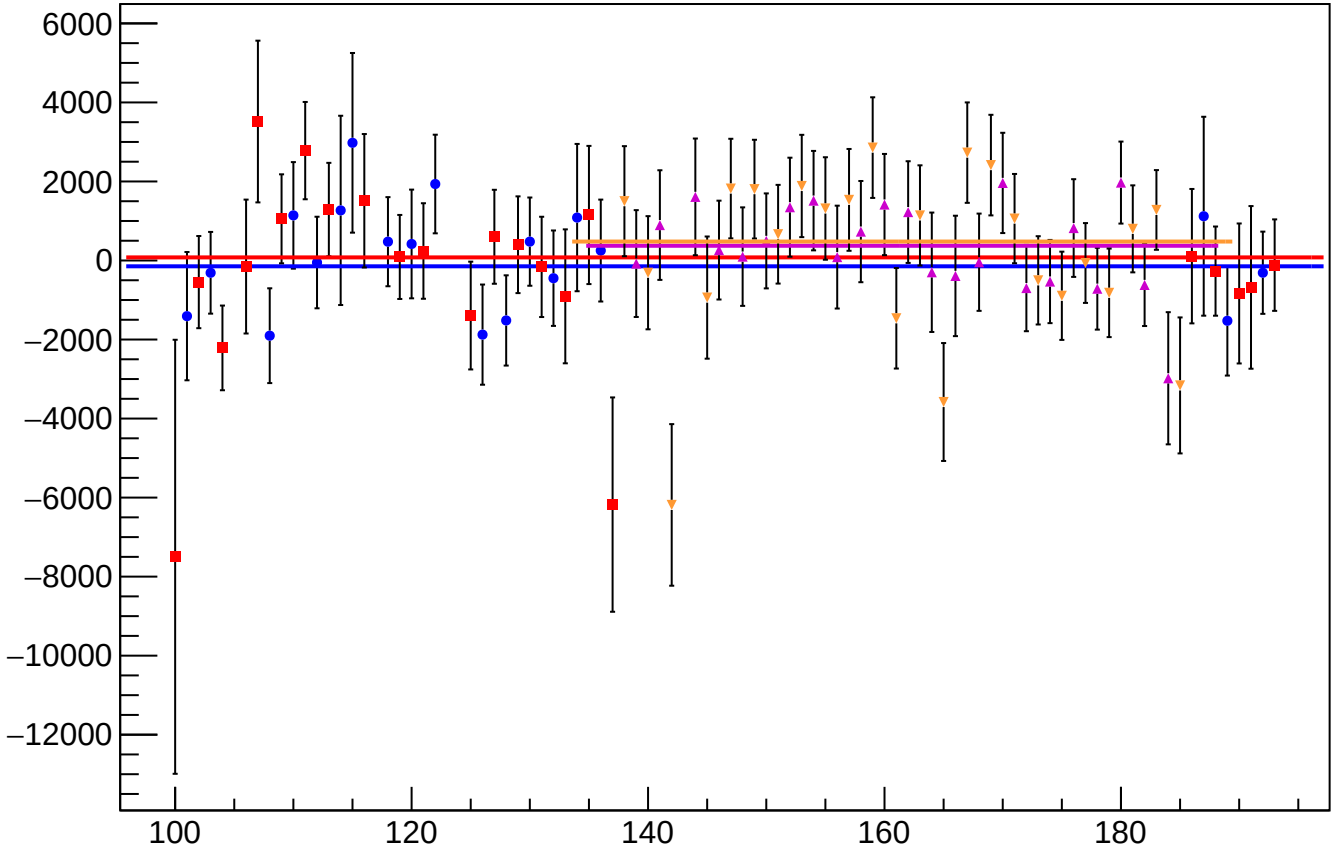
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10724314.6/42

All: 0.000+/-0.000 χ^2/NDF: 20051571.4/88

- sign 0.000+/-0.000 χ^2/NDF: 8801300.8/45

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: 78.422+/-287.628 χ^2/NDF: 25.0/22

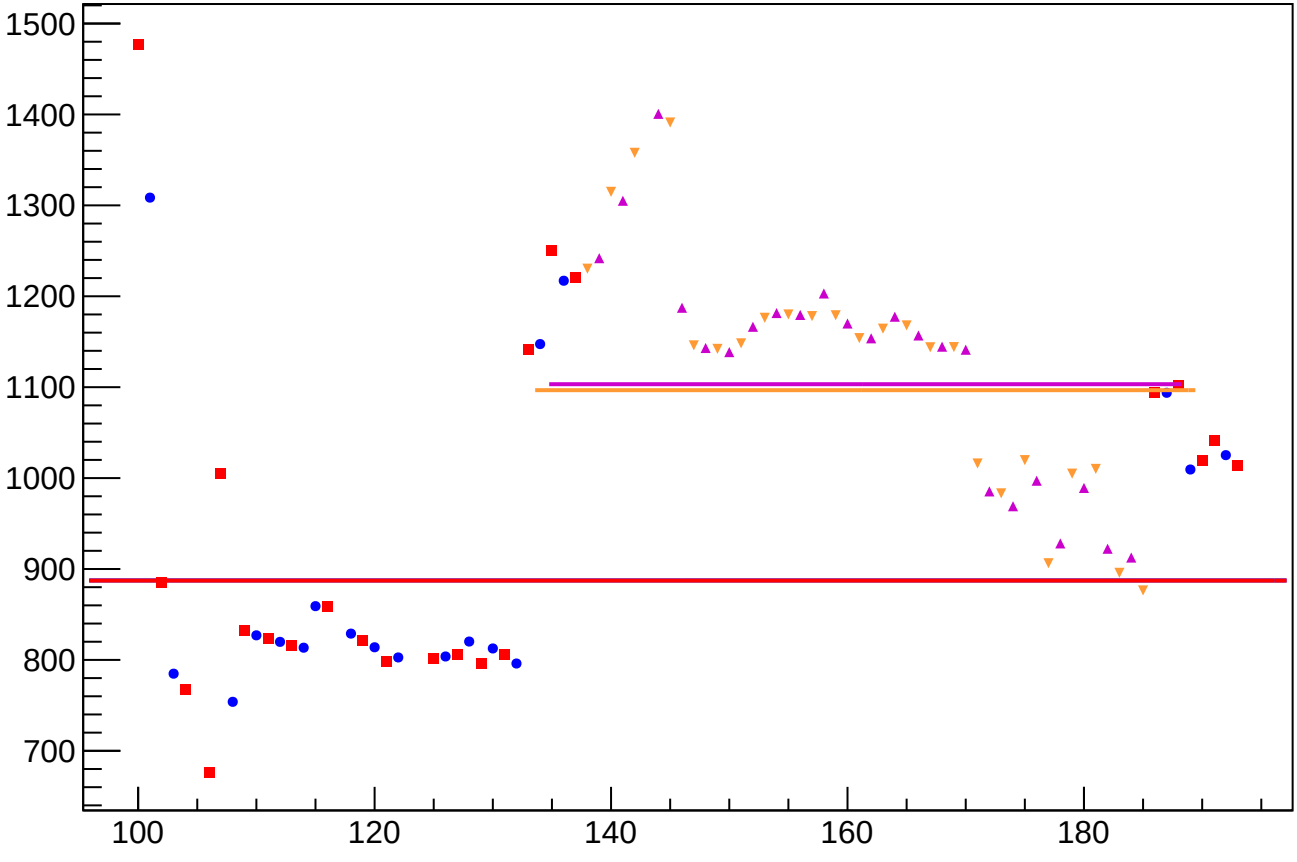
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 216.711+/-195.298 χ^2/NDF: 62.3/42

All: 228.963+/-137.132 χ^2/NDF: 104.0/88

- sign 240.879+/-192.597 χ^2/NDF: 41.6/45

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: 887.273+/-0.201 χ^2/NDF: 490139.1/22

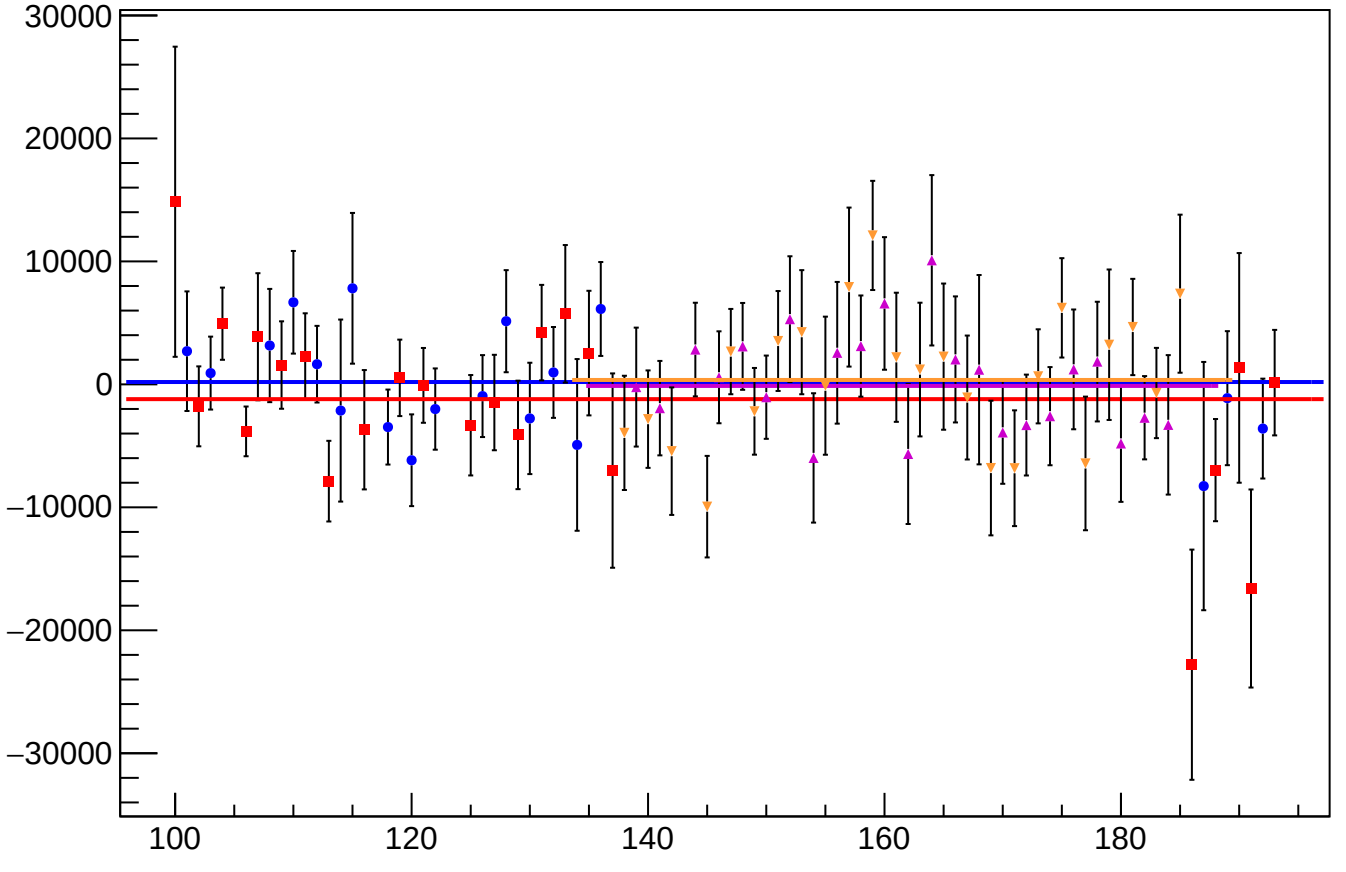
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1008.920+/-0.138 χ^2/NDF: 1521901.0/42

All: 1007.109+/-0.097 χ^2/NDF: 3088995.2/88

- sign 1005.364+/-0.136 χ^2/NDF: 1566756.5/45

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: -1201.669+/-820.018 χ^2/NDF: 31.4/22

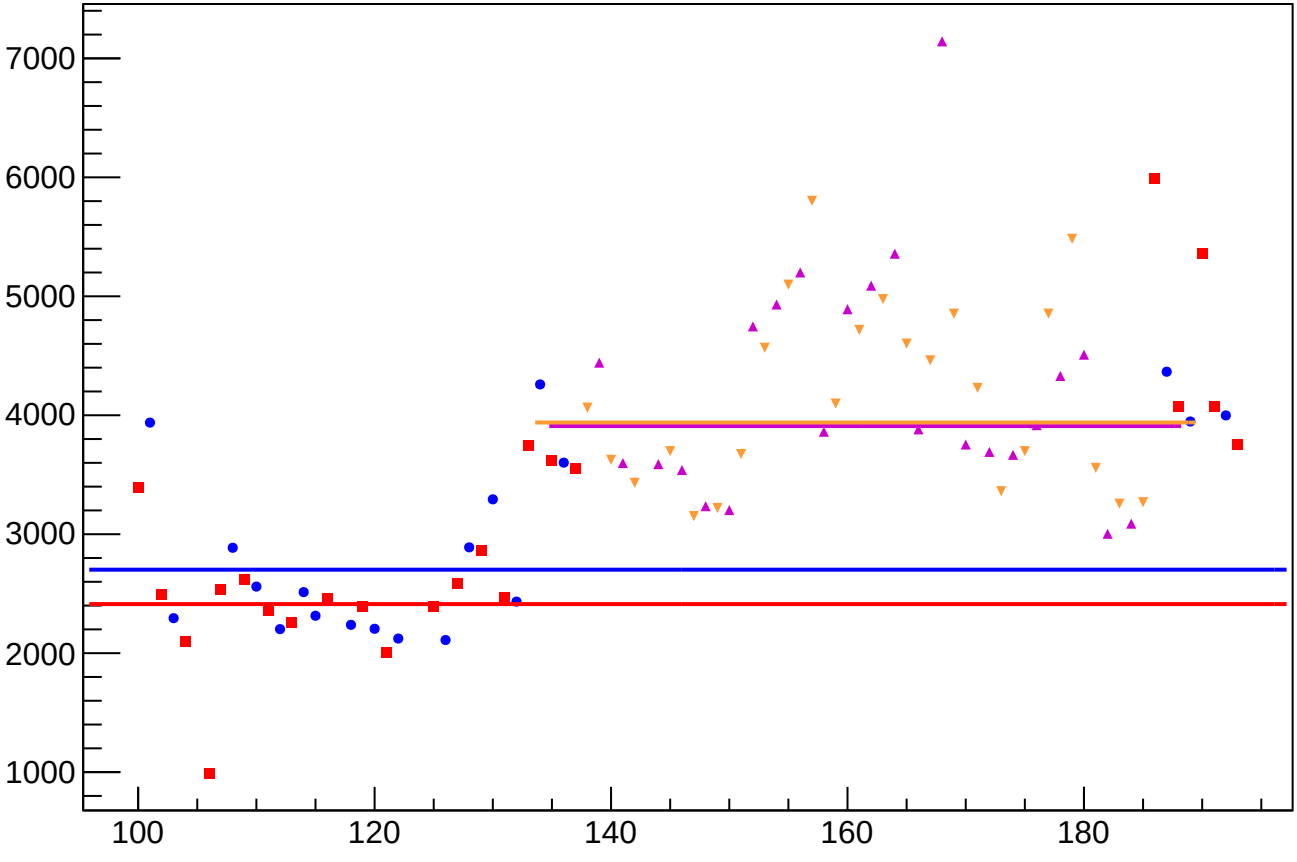
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 274.400+/-661.051 χ^2/NDF: 46.7/42

All: -264.920+/-450.597 χ^2/NDF: 93.9/88

- sign -732.977+/-615.831 χ^2/NDF: 45.9/45

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: 2412.628+/-0.580 χ^2/NDF: 2462737.8/22

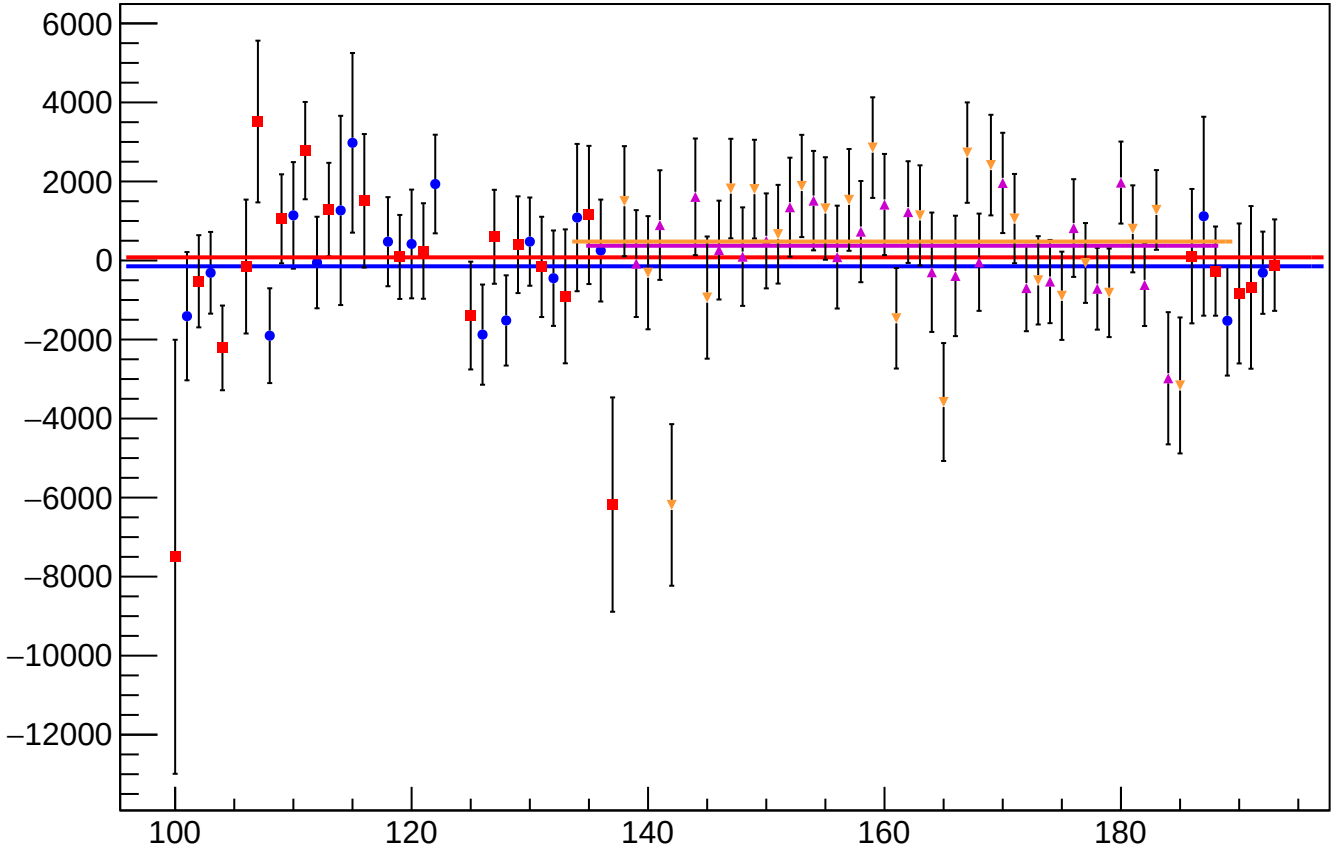
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3321.462+/-0.467 χ^2/NDF: 3905640.4/42

All: 3184.219+/-0.319 χ^2/NDF: 10734395.1/8

- sign 3065.110+/-0.435 χ^2/NDF: 6667731.9/45

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: 79.723+/-287.632 χ^2/NDF: 25.0/22

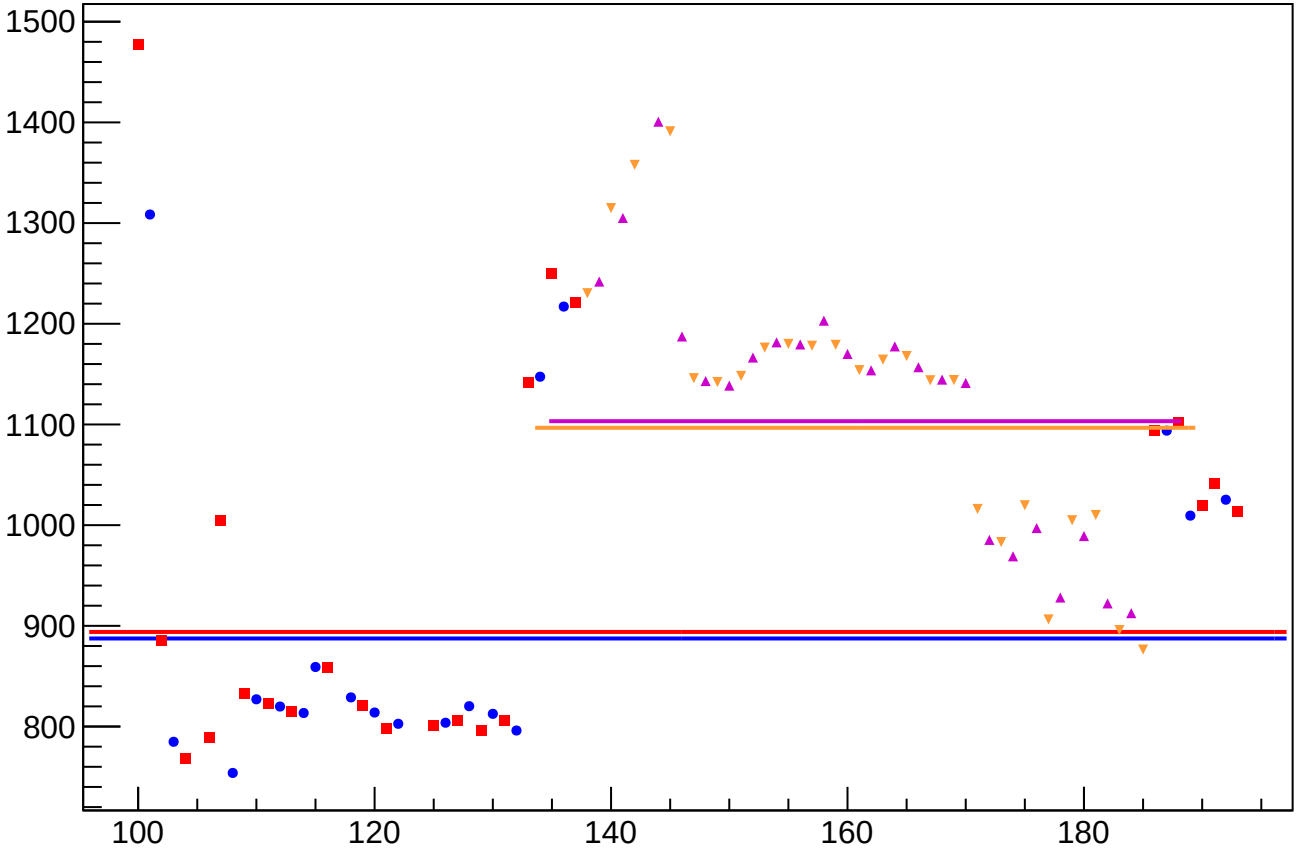
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

\+ sign 216.700+/-195.298 χ^2/NDF: 62.3/42

All: 229.248+/-137.132 χ^2/NDF: 103.9/88

\- sign 241.450+/-192.598 χ^2/NDF: 41.6/45

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: 893.933+/-0.203 χ^2/NDF: 444758.7/22

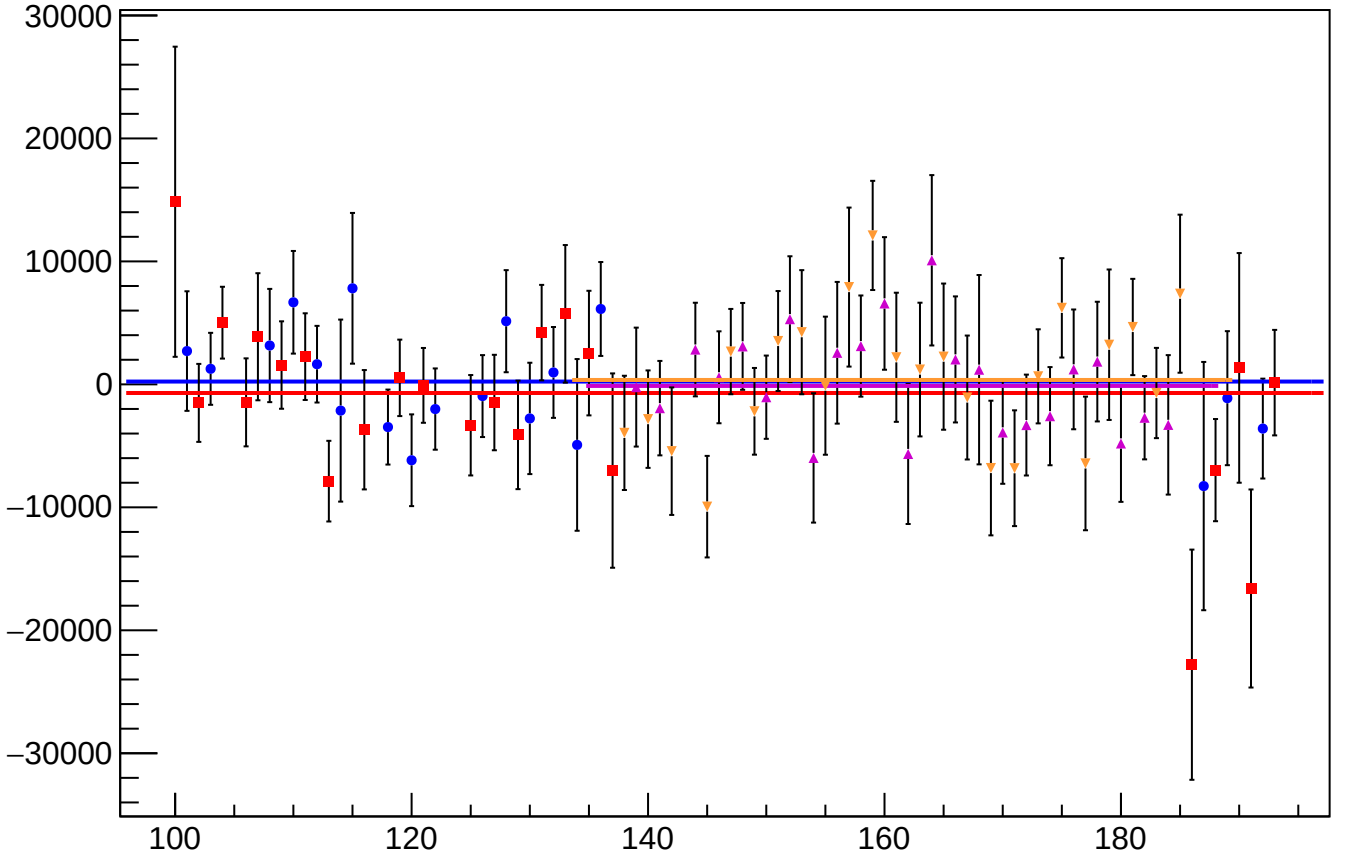
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.920+/-0.138 χ^2/NDF: 1521901.1/42

All: 1008.955+/-0.097 χ^2/NDF: 3001314.6/88

- sign 1008.988+/-0.136 χ^2/NDF: 1479413.4/45

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: -701.551+/-868.215 χ^2/NDF: 29.6/22

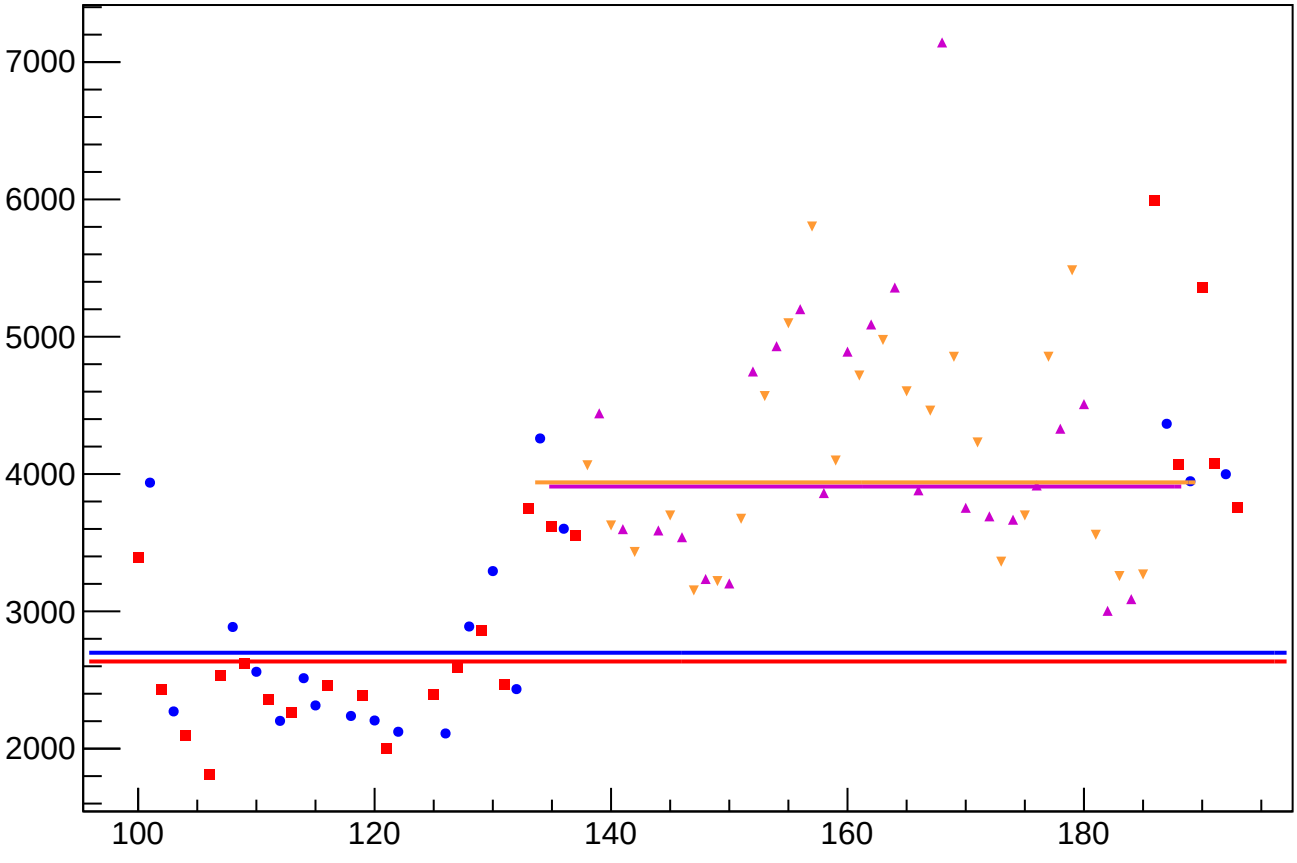
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 293.136+/-660.612 χ^2/NDF: 46.8/42

All: -84.858+/-457.979 χ^2/NDF: 90.9/88

- sign -434.635+/-635.478 χ^2/NDF: 43.5/45

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: 2634.828+/-0.614 χ^2/NDF: 1394459.8/22

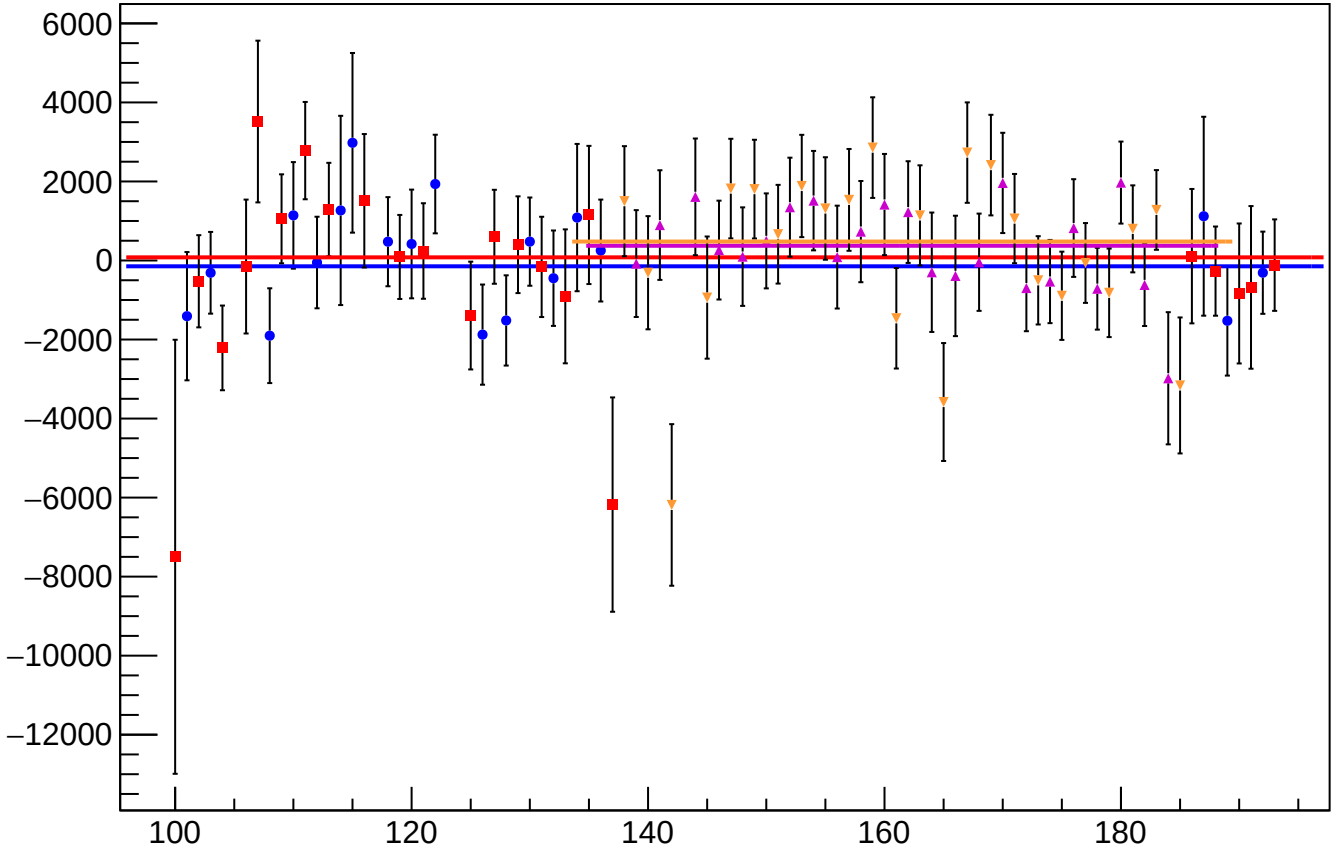
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3318.919+/-0.467 χ^2/NDF: 3923114.9/42

All: 3270.890+/-0.324 χ^2/NDF: 8638978.8/88

- sign 3226.446+/-0.449 χ^2/NDF: 4695509.3/45

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: 79.723+/-287.632 χ^2/NDF: 25.0/22

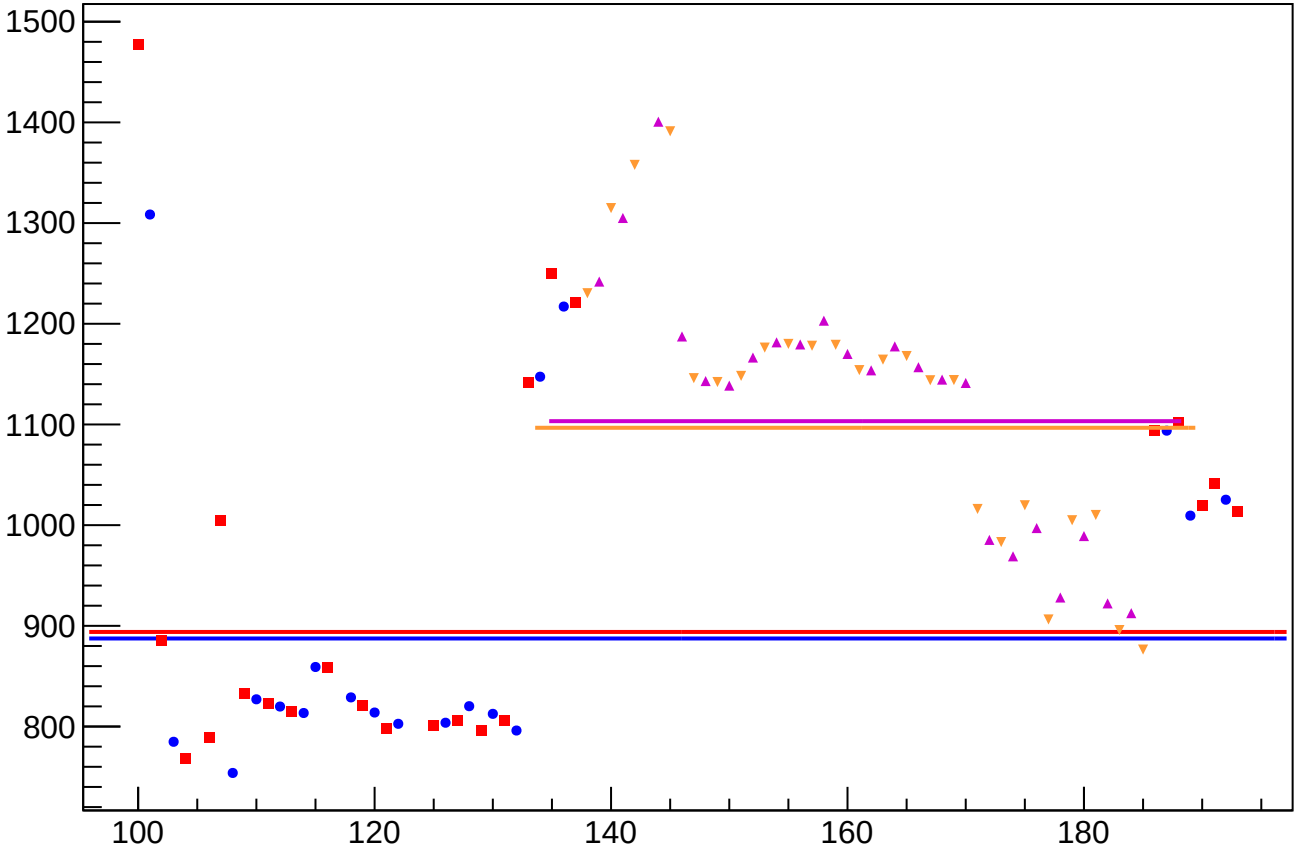
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 216.700+/-195.298 χ^2/NDF: 62.3/42

All: 229.248+/-137.132 χ^2/NDF: 103.9/88

- sign 241.450+/-192.598 χ^2/NDF: 41.6/45

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

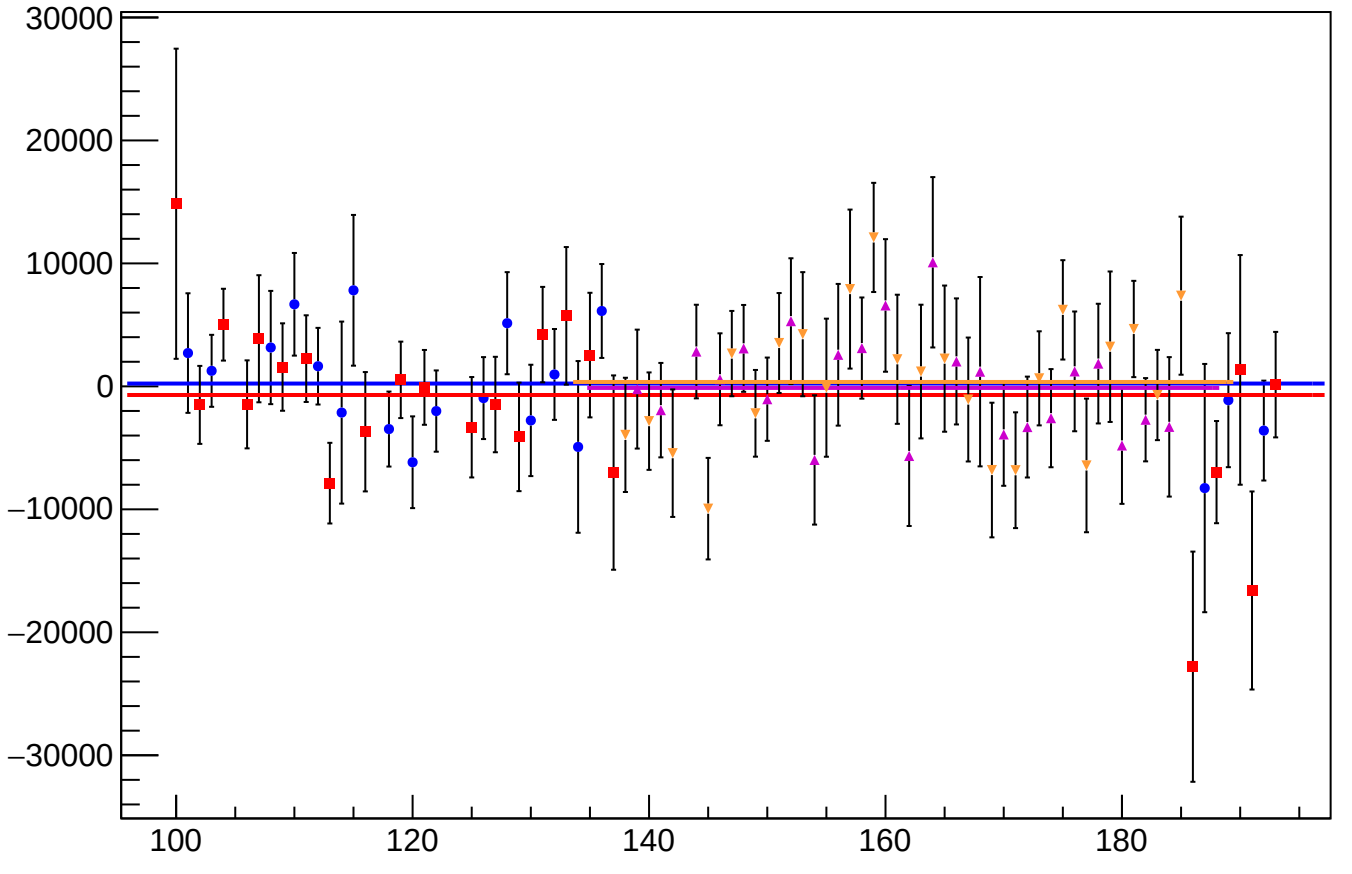
Right Out: 893.933+/-0.203 χ^2/NDF: 444758.7/22

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.920+/-0.138 χ^2/NDF: 1521901.1/42

All: 1008.955+/-0.097 χ^2/NDF: 3001314.6/88

- sign 1008.988+/-0.136 χ^2/NDF: 1479413.4/45



Right In: 228.537+/-934.273 χ^2/NDF: 16.5/18

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

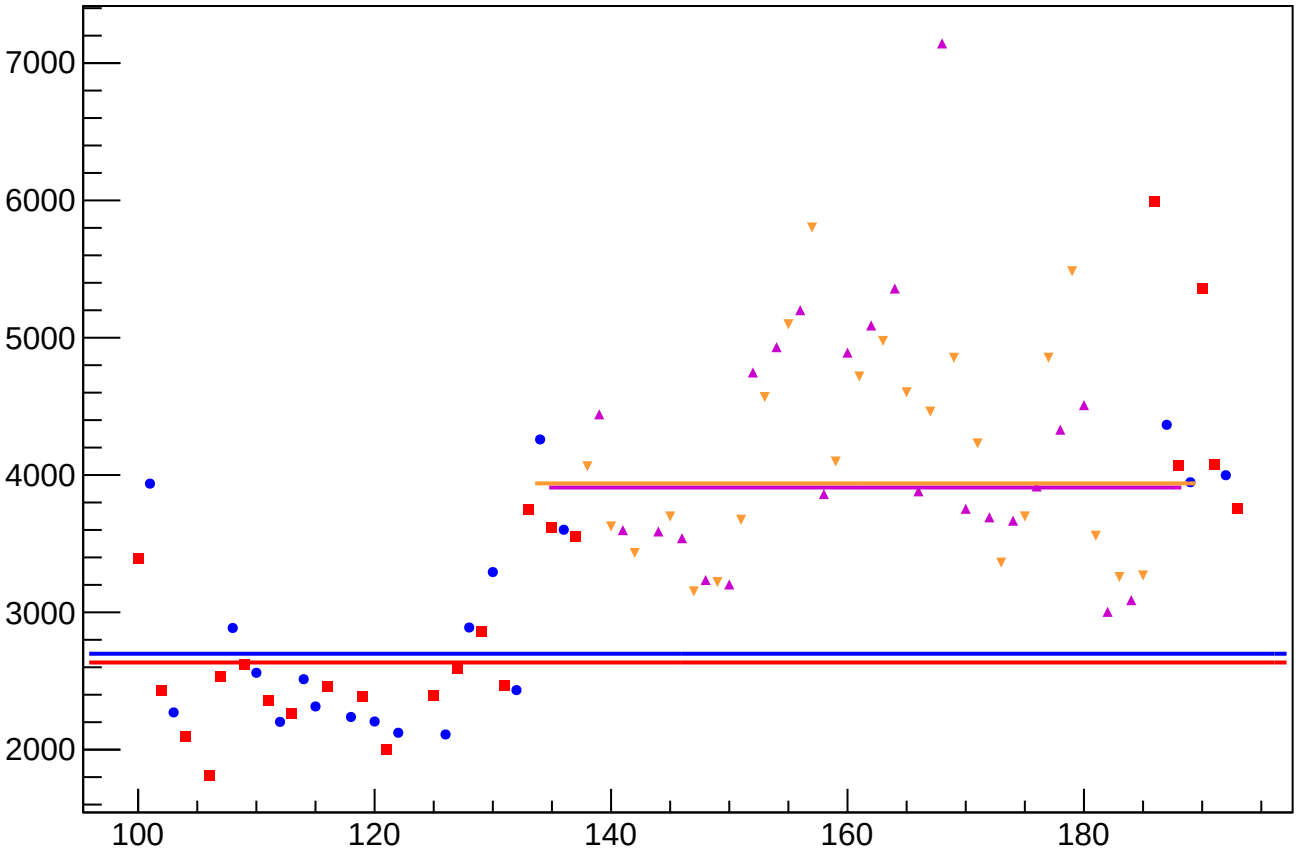
Right Out: -701.551+/-868.215 χ^2/NDF: 29.6/22

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 293.136+/-660.612 χ^2/NDF: 46.8/42

All: -84.858+/-457.979 χ^2/NDF: 90.9/88

- sign -434.635+/-635.478 χ^2/NDF: 43.5/45



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: 2634.828+/-0.614 χ^2/NDF: 1394459.8/22

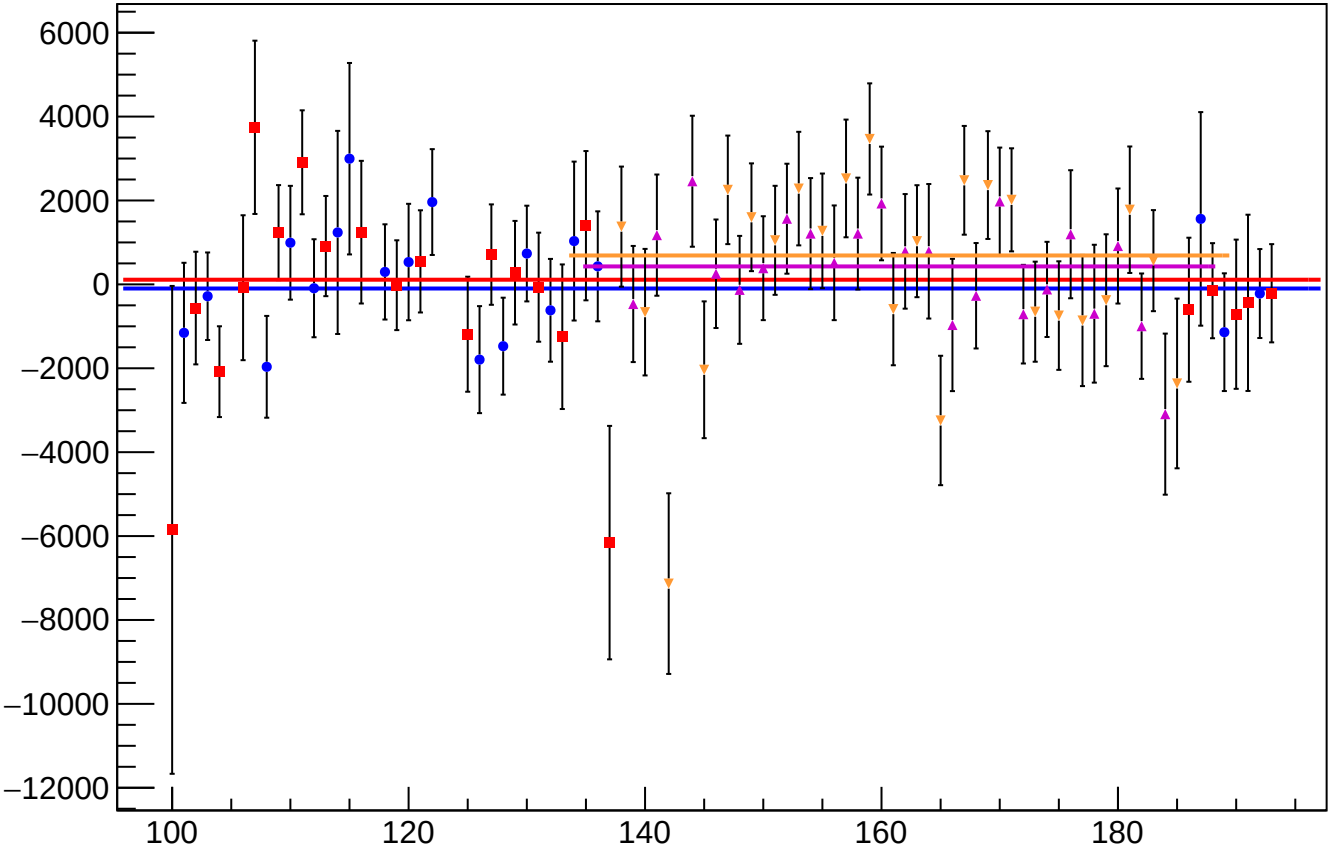
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3318.919+/-0.467 χ^2/NDF: 3923114.9/42

All: 3270.890+/-0.324 χ^2/NDF: 8638978.8/88

- sign 3226.446+/-0.449 χ^2/NDF: 4695509.3/45

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: 111.217+/-292.589 χ^2/NDF: 23.6/22

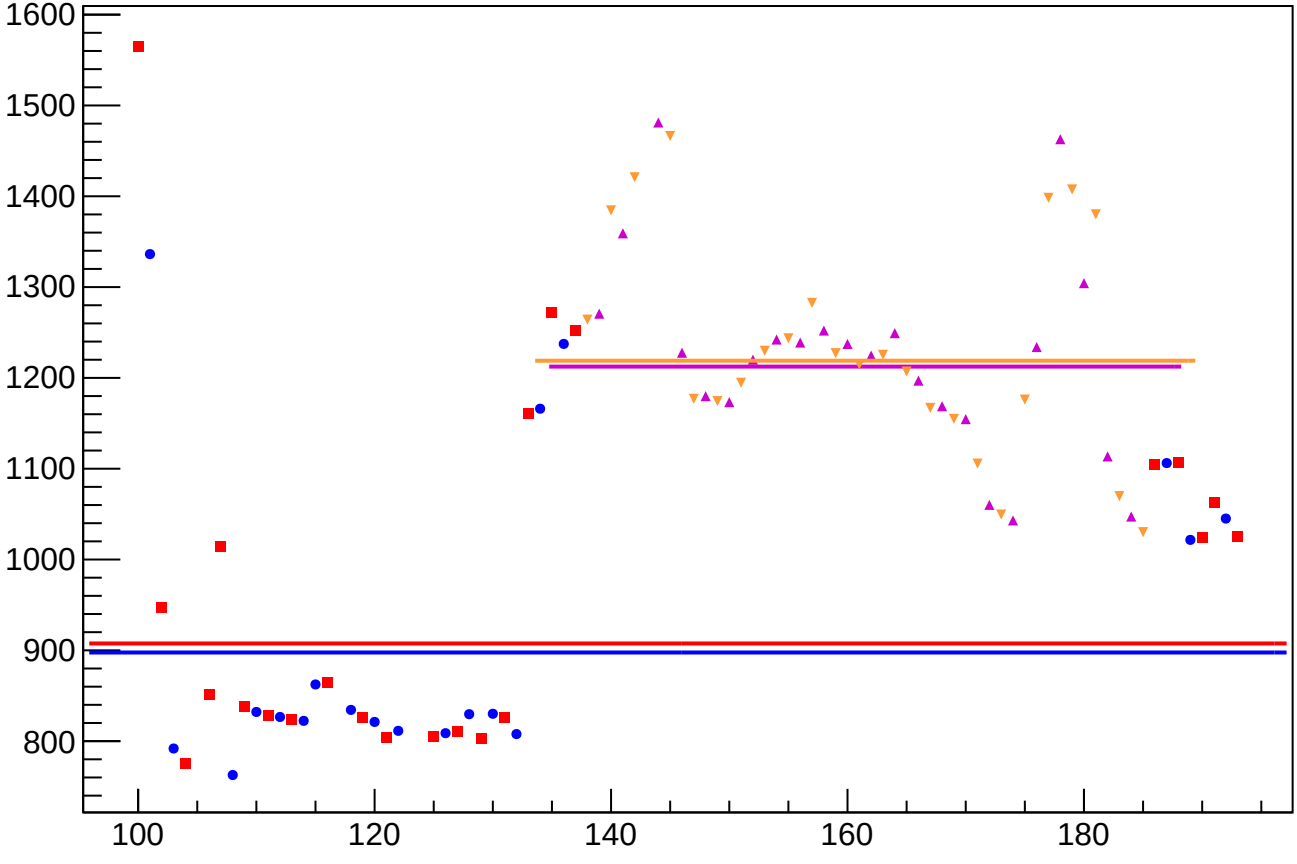
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 323.176+/-208.091 χ^2/NDF: 63.3/42

All: 298.162+/-145.649 χ^2/NDF: 102.2/88

- sign 274.140+/-203.928 χ^2/NDF: 38.8/45

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: 907.562+/-0.207 χ^2/NDF: 449233.4/22

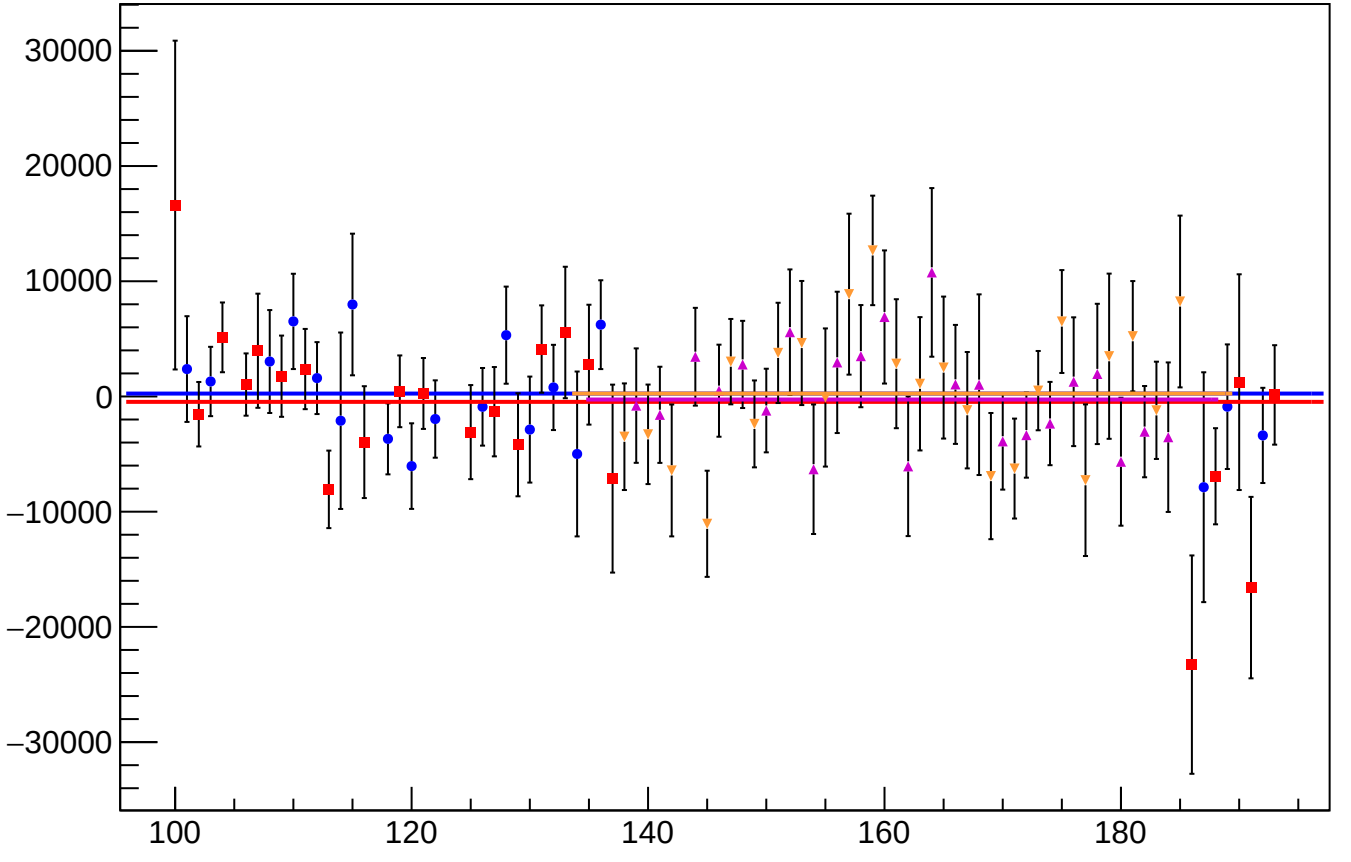
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1069.654+/-0.147 χ^2/NDF: 1975903.0/42

All: 1066.881+/-0.103 χ^2/NDF: 3803752.6/88

- sign 1064.220+/-0.144 χ^2/NDF: 1827153.6/45

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: -468.108+/-844.952 χ^2/NDF: 30.2/22

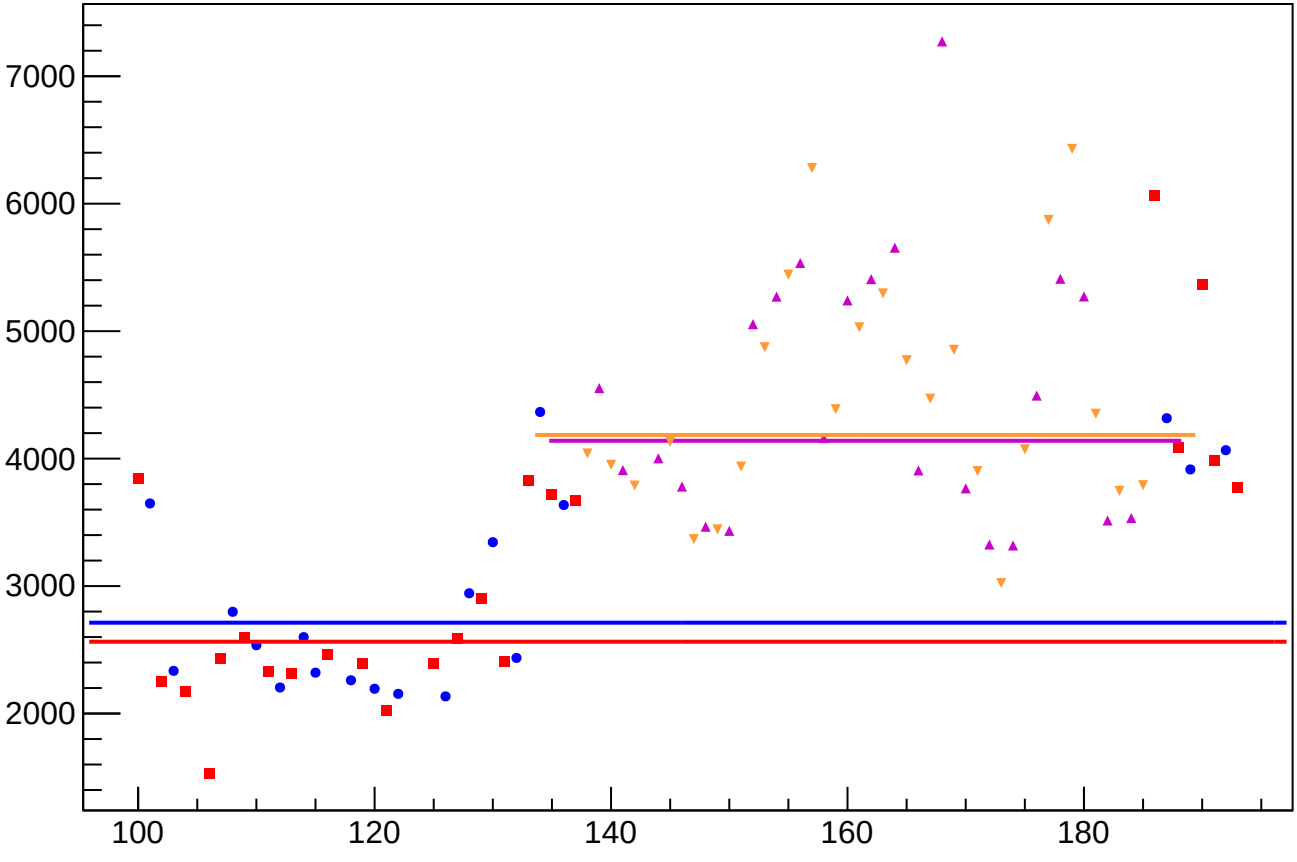
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 252.283+/-683.022 χ^2/NDF: 46.0/42

All: -84.674+/-468.070 χ^2/NDF: 90.0/88

- sign -383.038+/-642.718 χ^2/NDF: 43.6/45

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: 2563.556+/-0.597 χ^2/NDF: 1651224.2/22

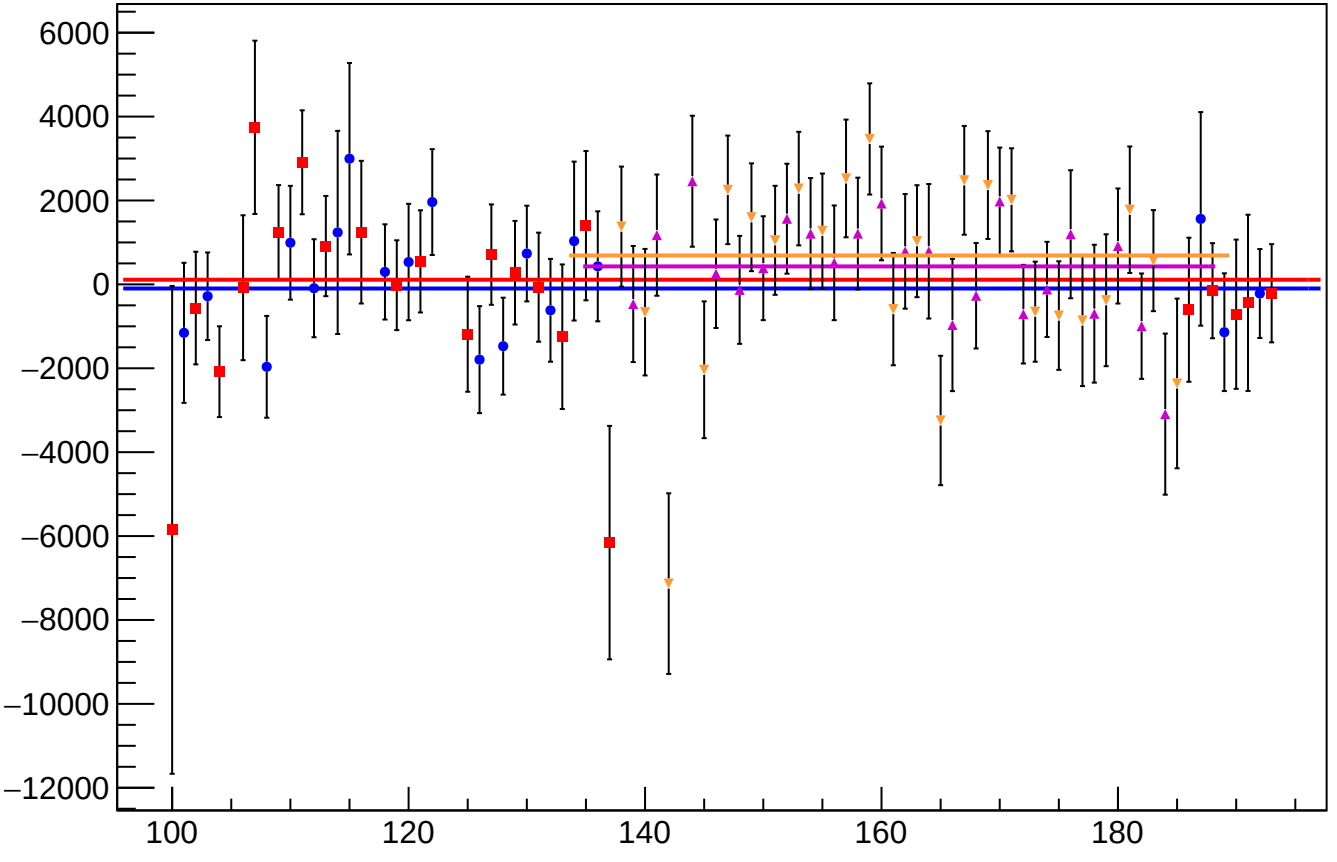
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3406.638+/-0.483 χ^2/NDF: 4606958.3/42

All: 3311.838+/-0.331 χ^2/NDF: 10714673.8/8

- sign 3227.895+/-0.454 χ^2/NDF: 6035071.9/45

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: 111.220+/-292.589 χ^2/NDF: 23.6/22

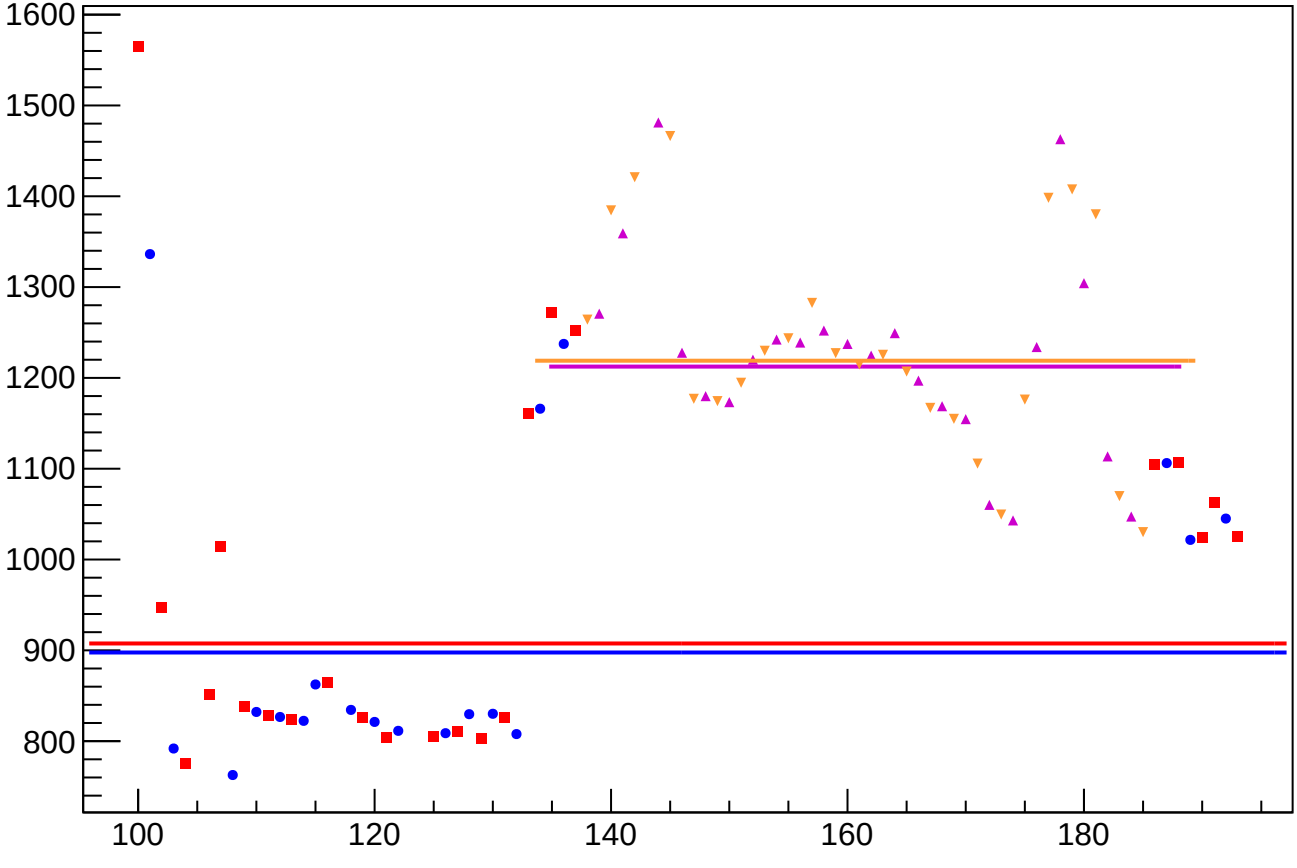
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 323.176+/-208.091 χ^2/NDF: 63.3/42

All: 298.162+/-145.649 χ^2/NDF: 102.2/88

- sign 274.140+/-203.928 χ^2/NDF: 38.8/45

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

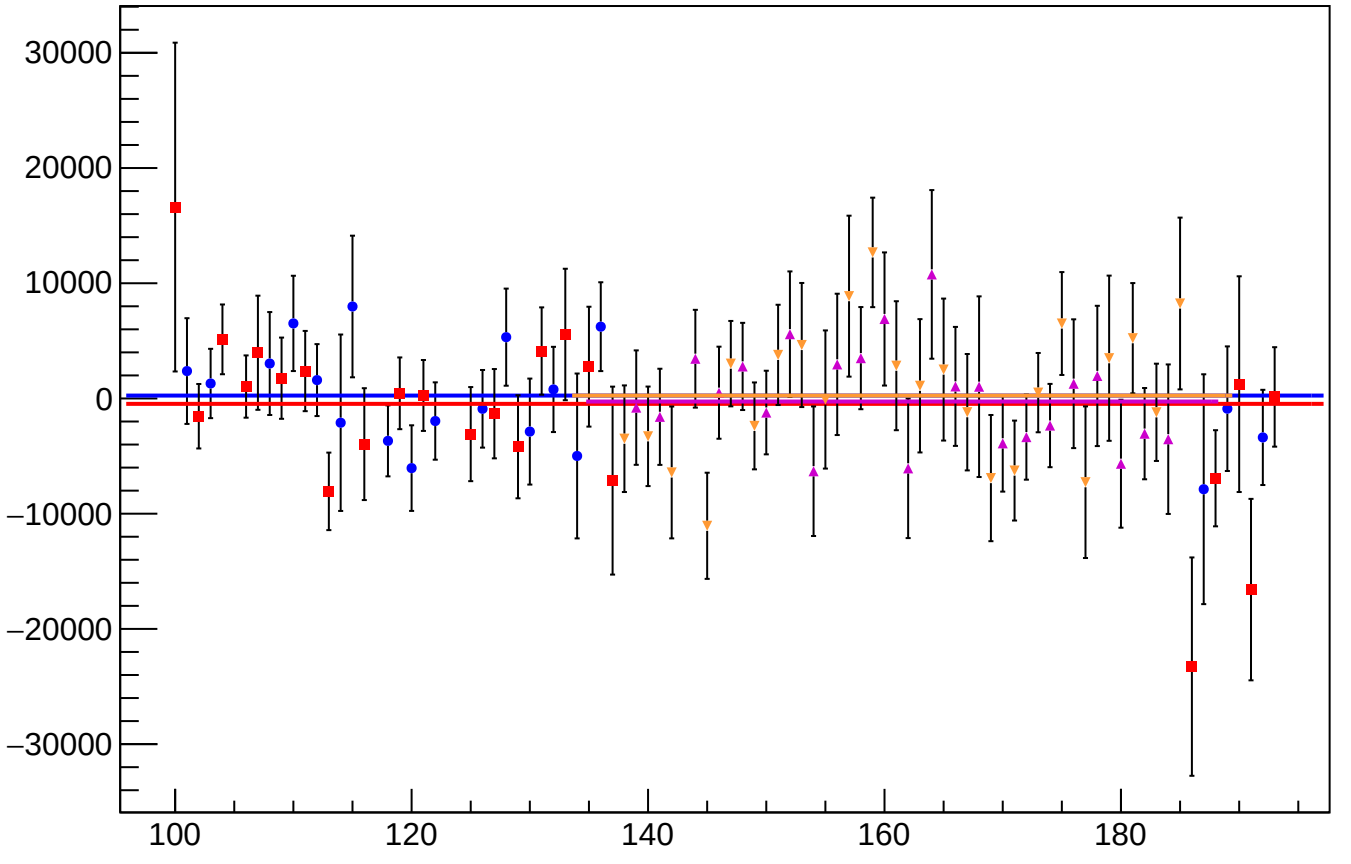
Right Out: 907.562+/-0.207 χ^2/NDF: 449233.0/22

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1069.654+/-0.147 χ^2/NDF: 1975919.8/42

All: 1066.882+/-0.103 χ^2/NDF: 3803785.9/88

- sign 1064.220+/-0.144 χ^2/NDF: 1827170.1/45



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: -468.103+/-844.950 χ^2/NDF: 30.2/22

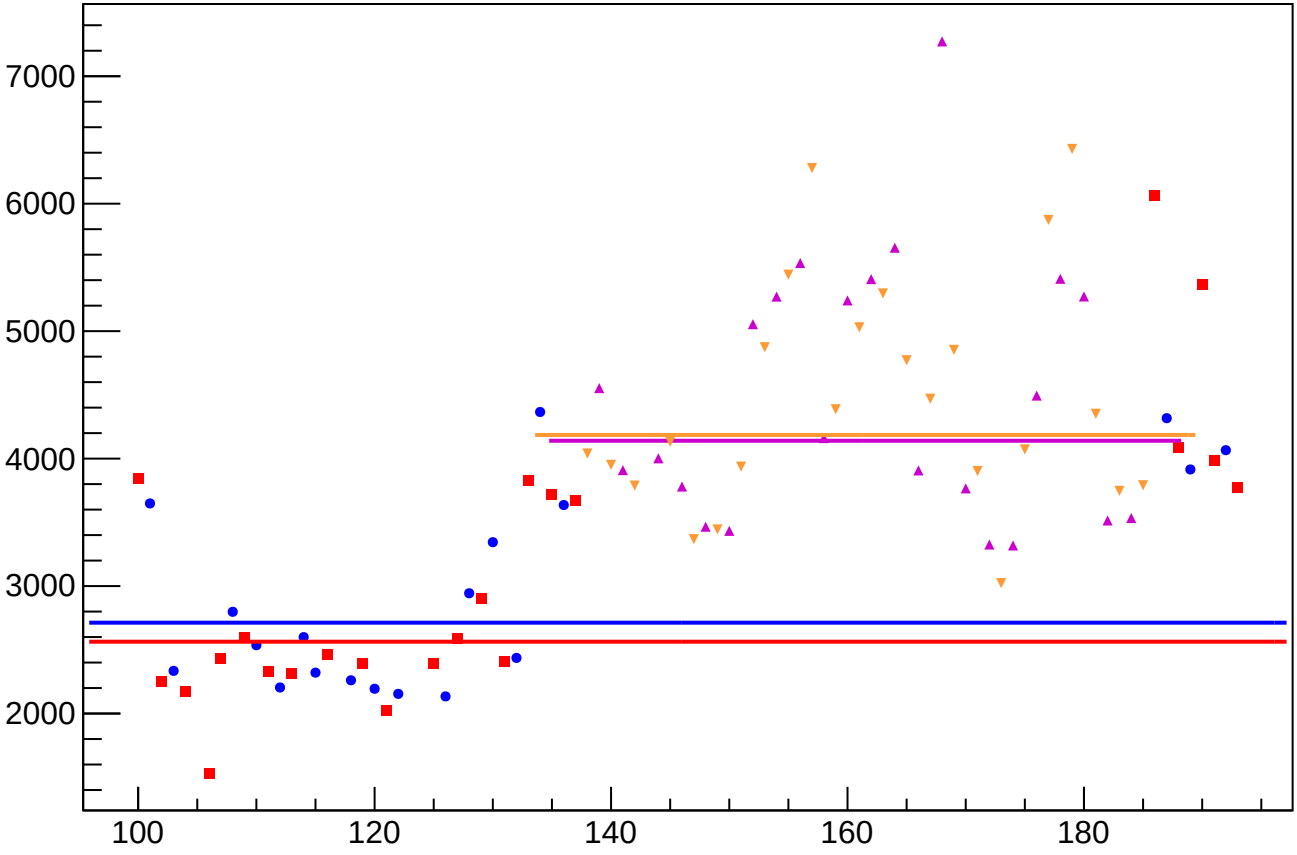
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 252.283+/-683.022 χ^2/NDF: 46.0/42

All: -84.673+/-468.070 χ^2/NDF: 90.0/88

- sign -383.036+/-642.717 χ^2/NDF: 43.6/45

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

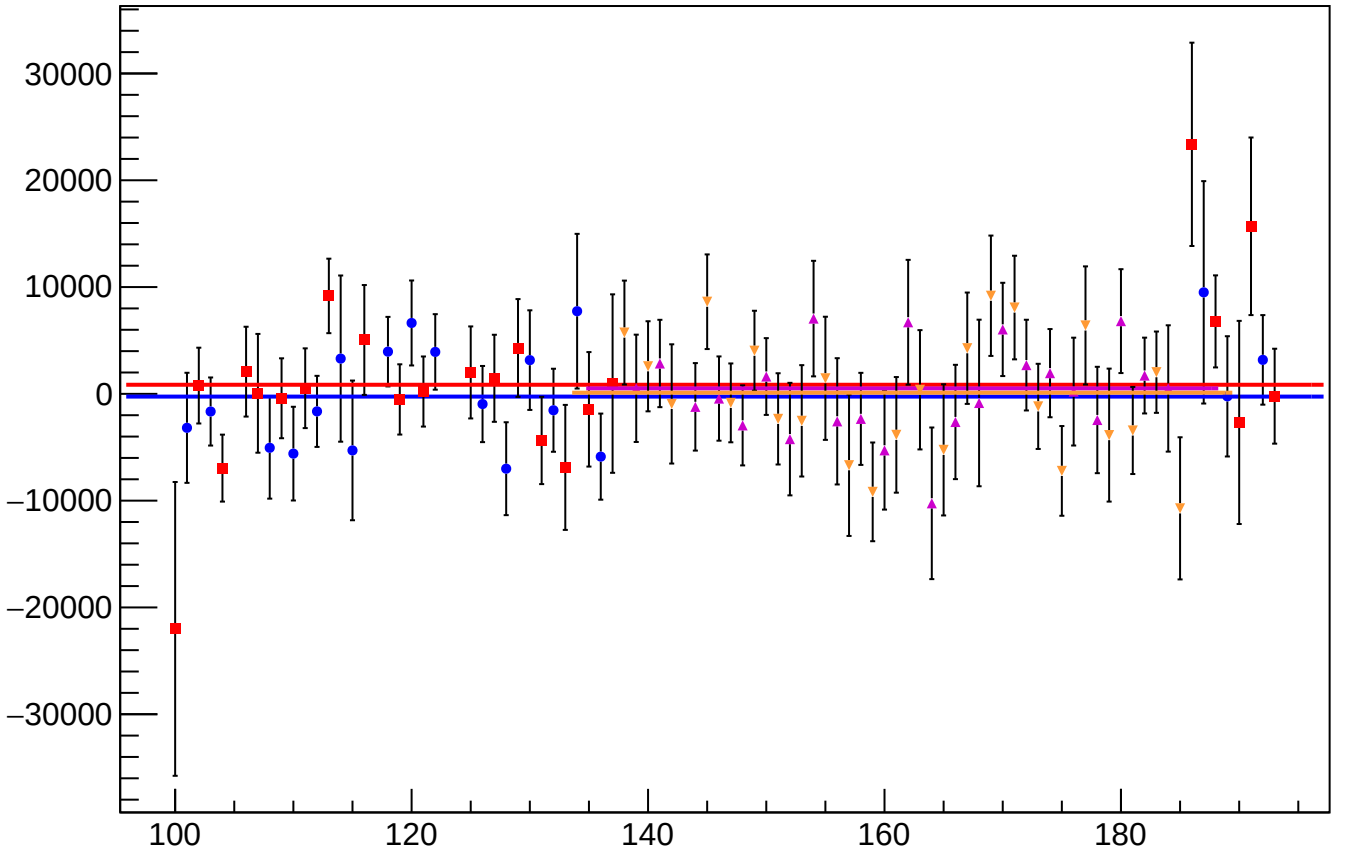
Right Out: 2563.549+/-0.597 χ^2/NDF: 1651240.2/22

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3406.634+/-0.483 χ^2/NDF: 4607024.2/42

All: 3311.834+/-0.331 χ^2/NDF: 10714807.8/8

- sign 3227.892+/-0.454 χ^2/NDF: 6035140.0/45



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: 851.876+/-926.628 χ^2/NDF: 30.8/22

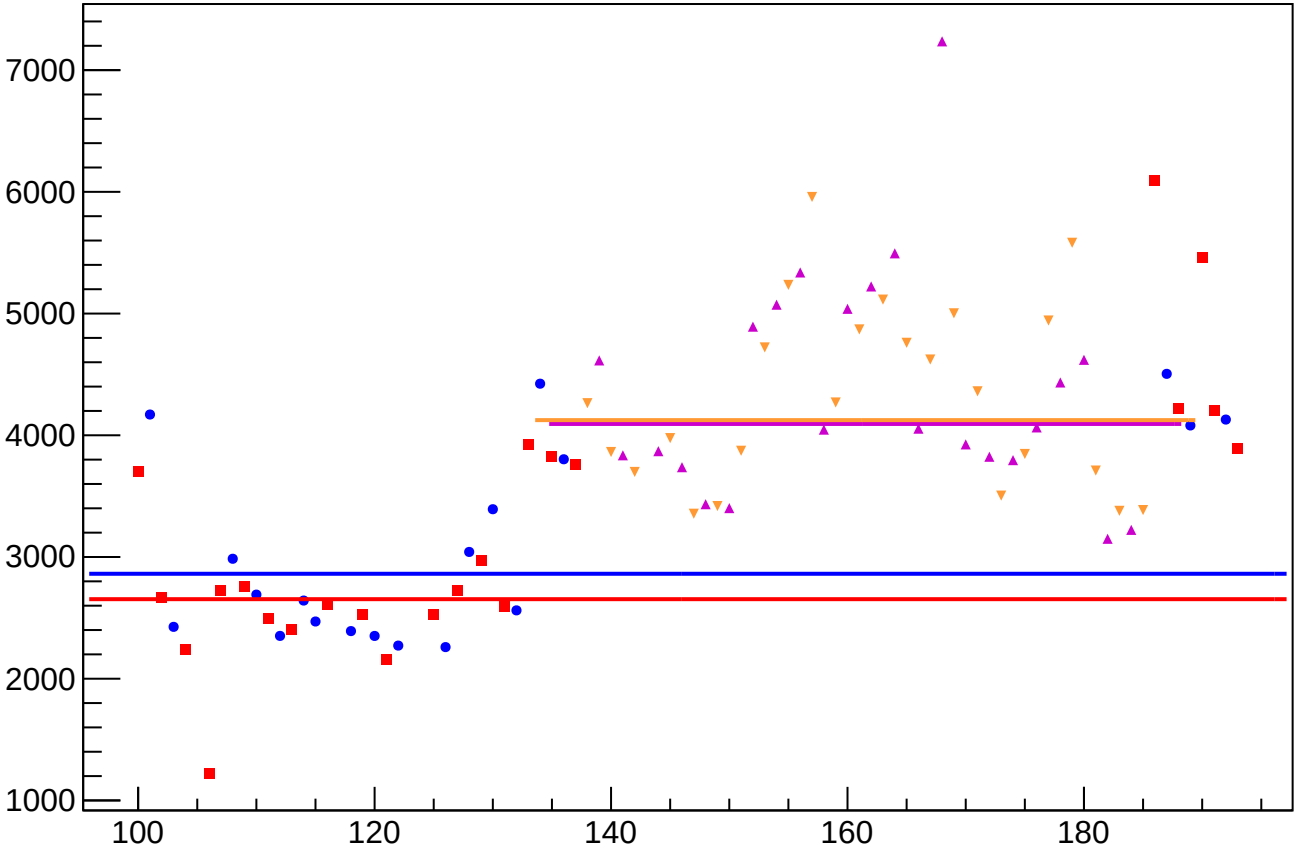
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign -71.089+/-694.665 χ^2/NDF: 46.0/42

All: 321.905+/-482.768 χ^2/NDF: 91.0/88

- sign 689.021+/-671.404 χ^2/NDF: 44.4/45

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

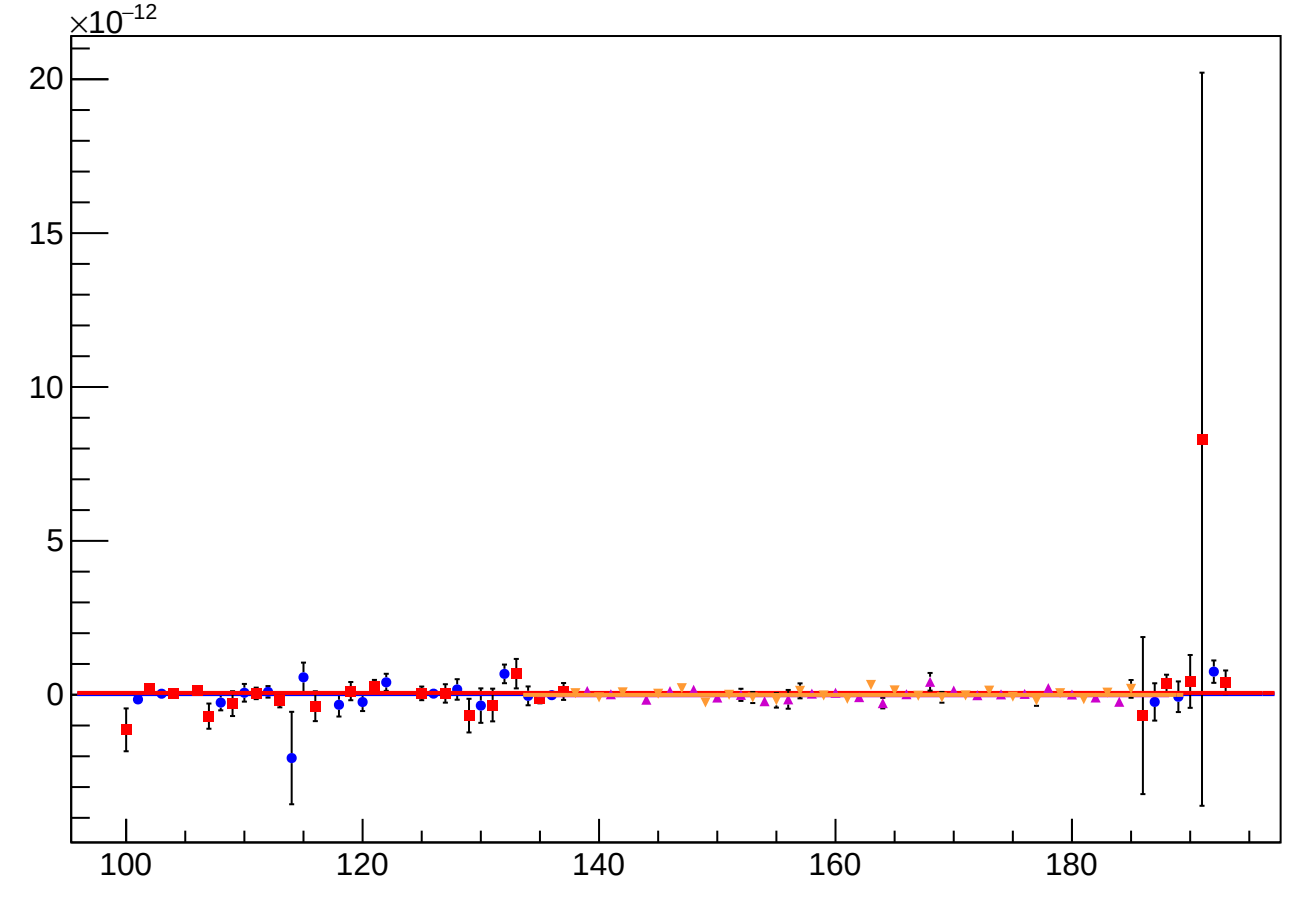
Right Out: 2653.519+/-0.629 χ^2/NDF: 1917190.8/22

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3502.178+/-0.491 χ^2/NDF: 3603802.5/42

All: 3399.473+/-0.337 χ^2/NDF: 9149302.9/88

- sign 3307.687+/-0.464 χ^2/NDF: 5462711.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

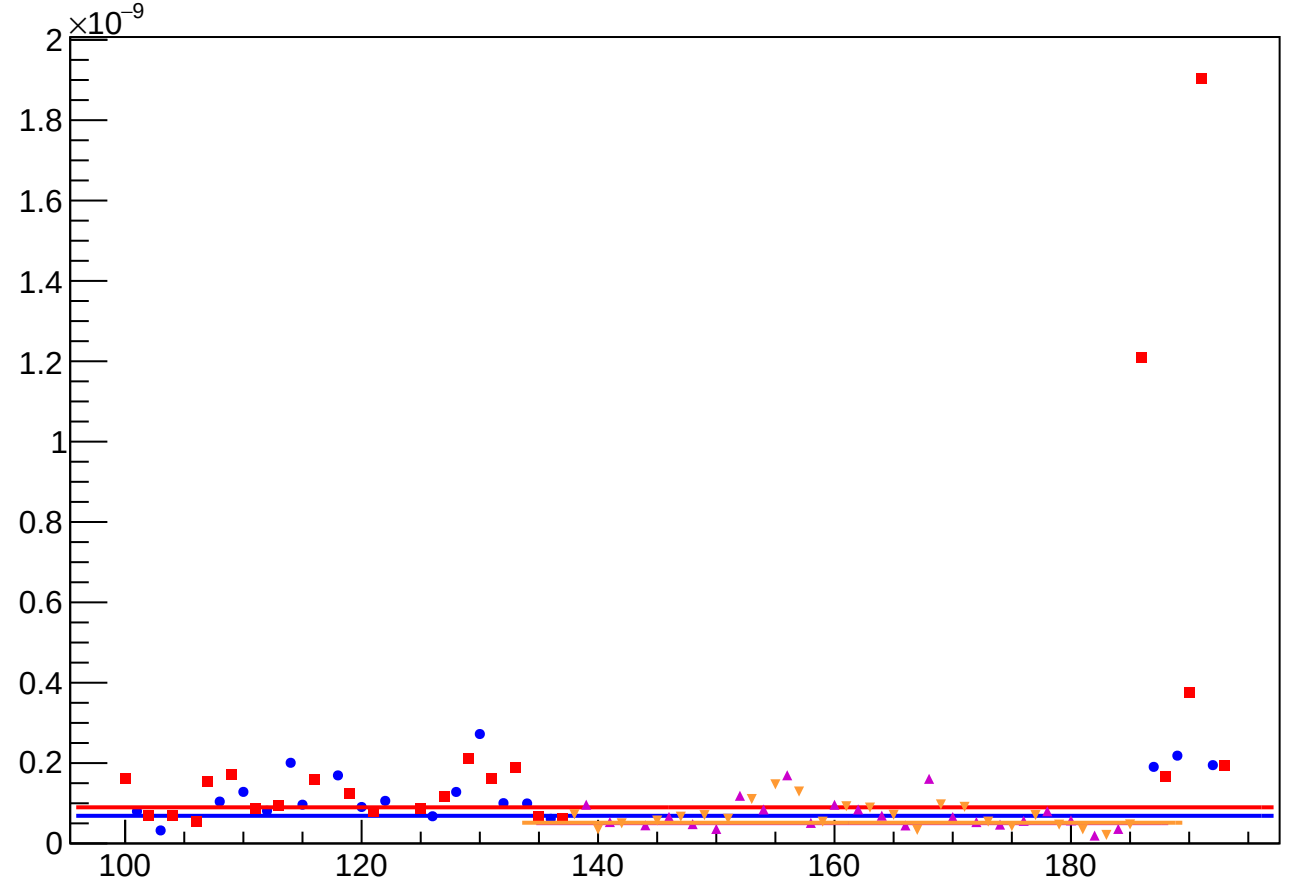
Right Out: 0.000+/-0.000 χ^2/NDF: 19.8/22

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: 91.5/88

- sign -0.000+/-0.000 χ^2/NDF: 47.4/45



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: 1659253.6/22

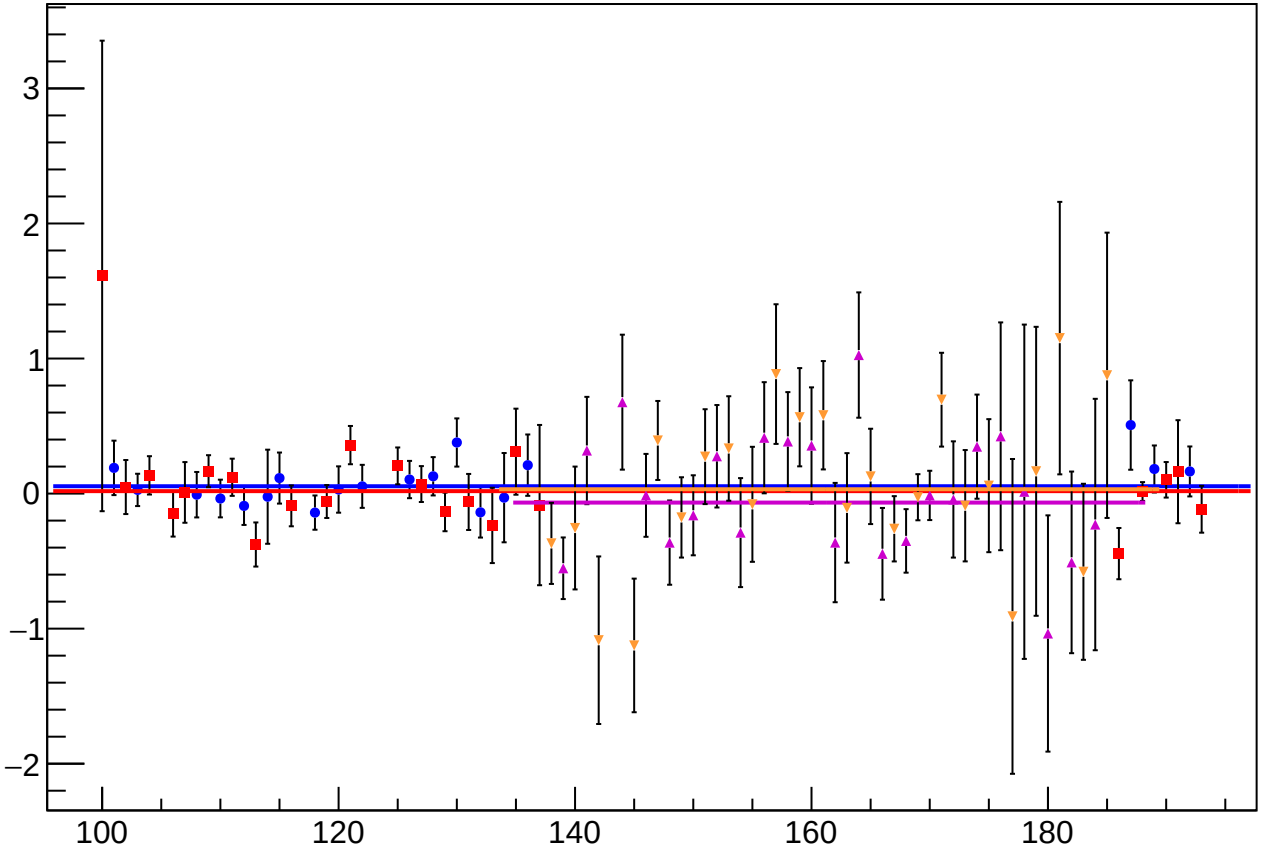
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 4256137.5/42

All: 0.000+/-0.000 χ^2/NDF: 9332840.3/88

- sign 0.000+/-0.000 χ^2/NDF: 5071867.9/45

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: 0.018+/-0.032 χ^2/NDF: 29.4/22

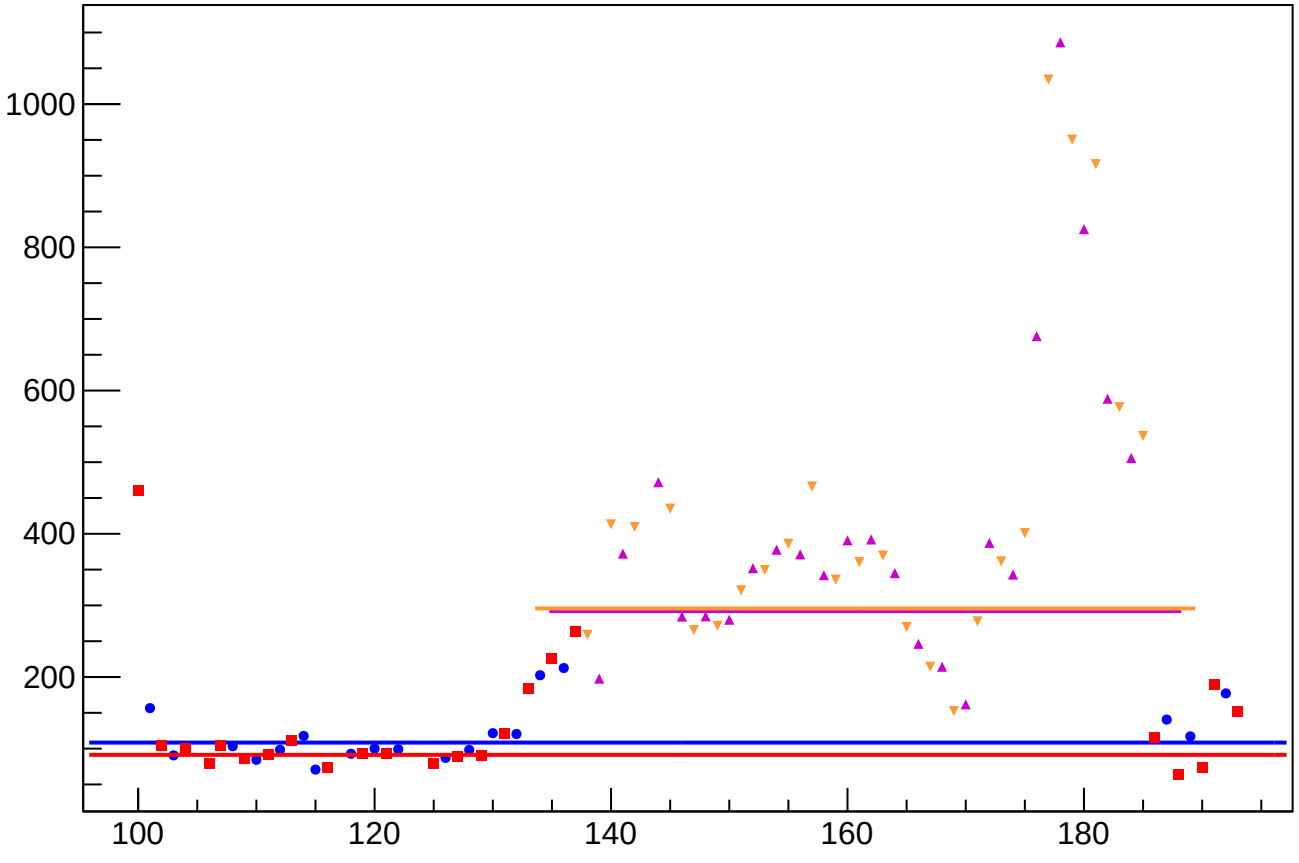
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.050+/-0.035 χ^2/NDF: 42.5/42

All: 0.024+/-0.022 χ^2/NDF: 99.6/88

- sign 0.005+/-0.029 χ^2/NDF: 56.1/45

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: 91.335+/-0.022 χ^2/NDF: 1753192.3/22

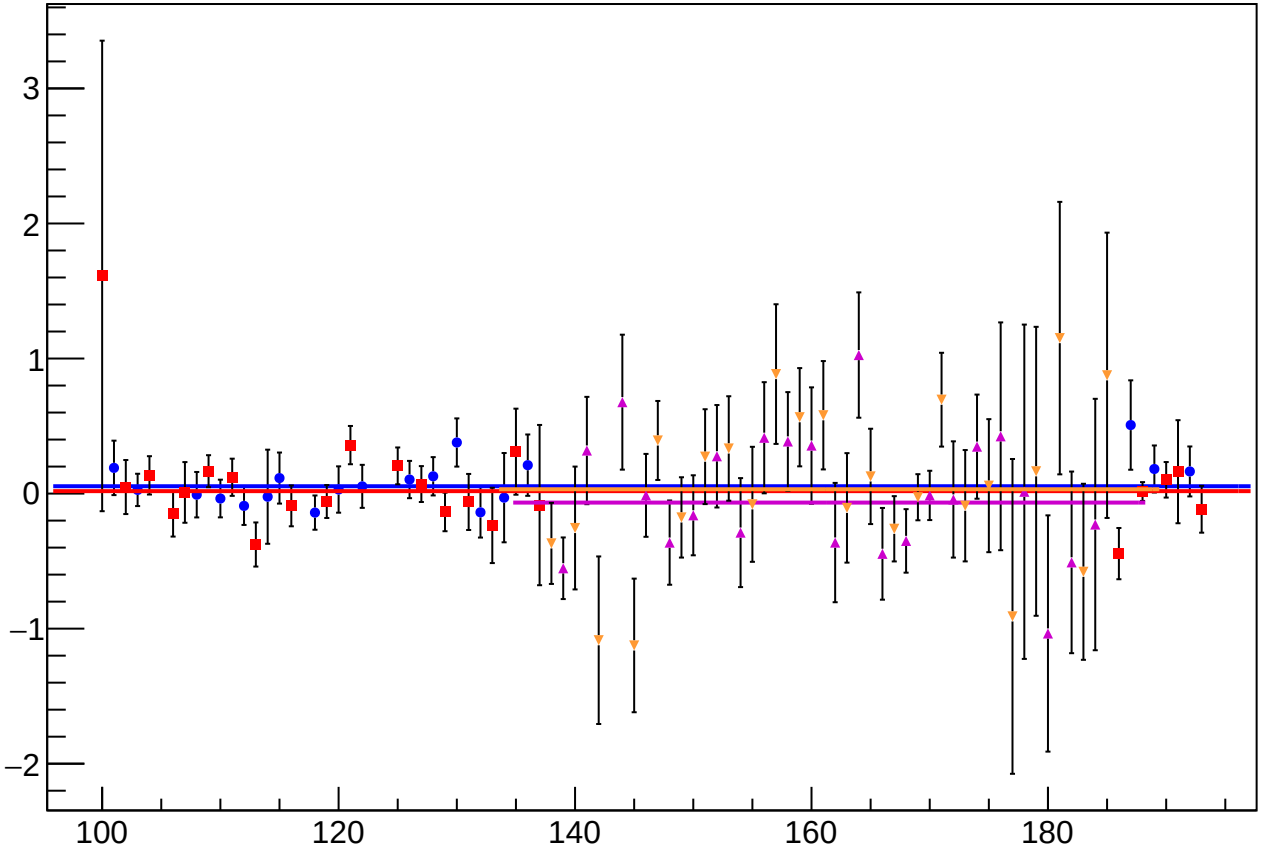
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.136+/-0.024 χ^2/NDF: 16455811.1/42

All: 132.491+/-0.016 χ^2/NDF: 36113868.3/88

- sign 122.015+/-0.021 χ^2/NDF: 19041141.1/45

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

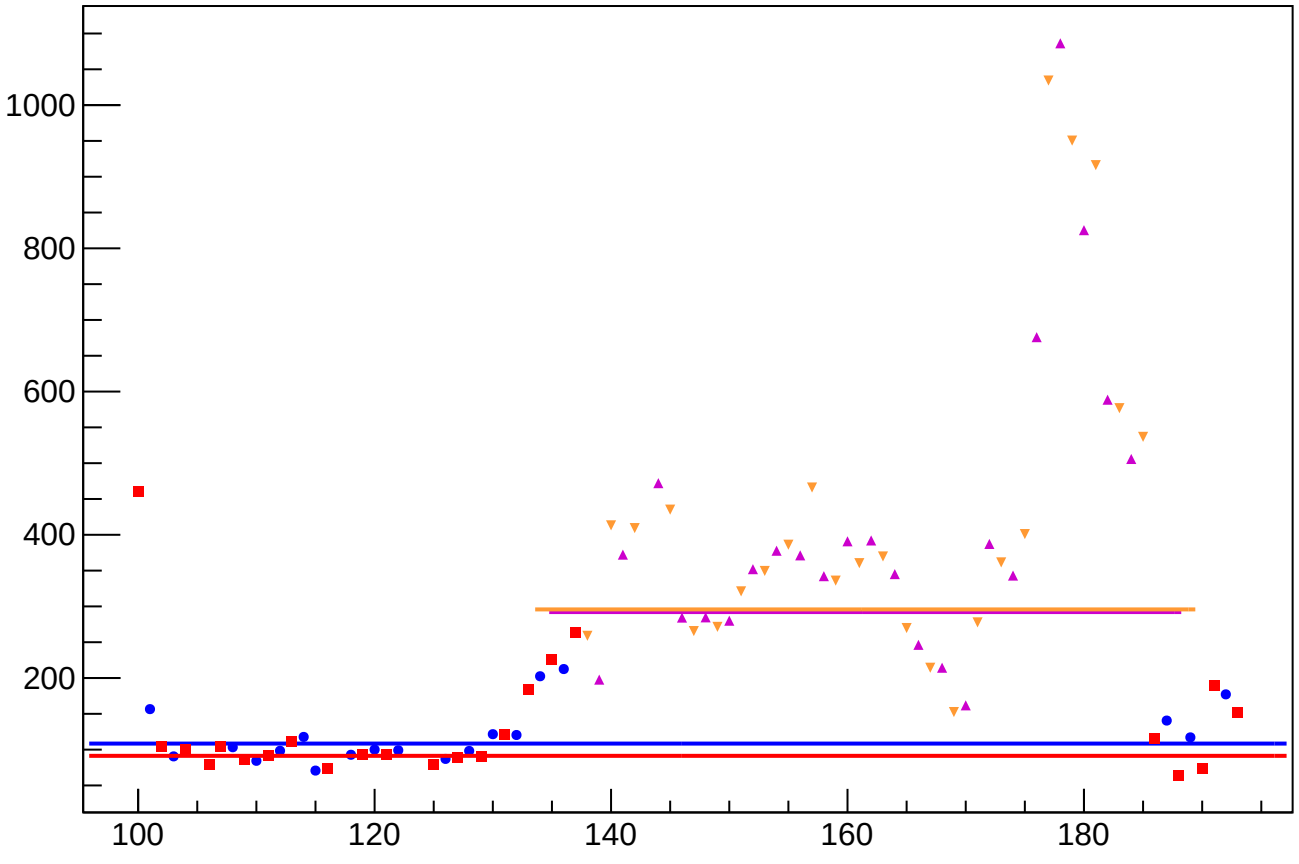
Right Out: 0.018+/-0.032 χ^2/NDF: 29.4/22

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.050+/-0.035 χ^2/NDF: 42.5/42

All: 0.024+/-0.022 χ^2/NDF: 99.6/88

- sign 0.005+/-0.029 χ^2/NDF: 56.1/45



Right In: 108.457+/-0.027 χ^2/NDF: 1312459.7/18

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

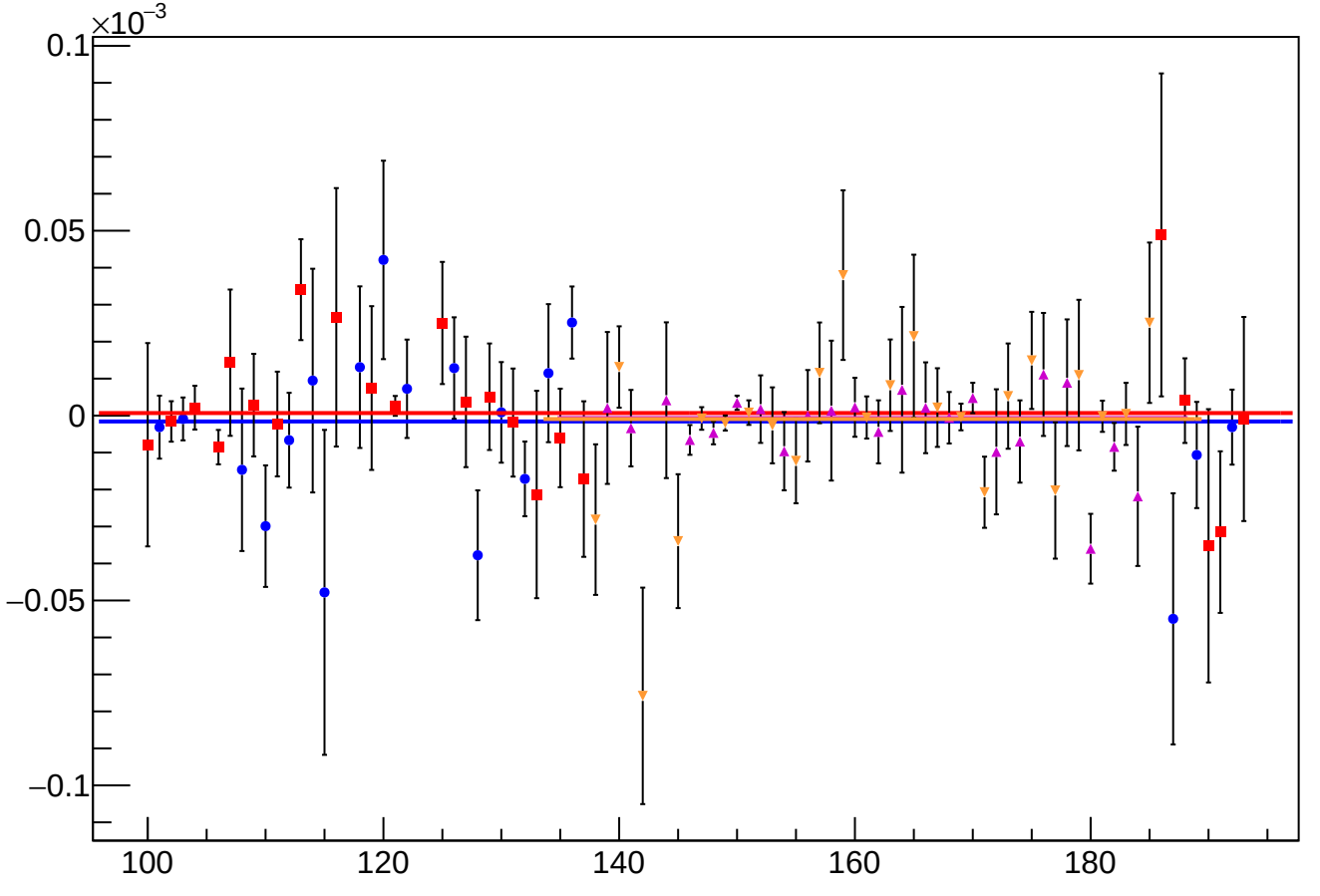
Right Out: 91.335+/-0.022 χ^2/NDF: 1753192.3/22

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.136+/-0.024 χ^2/NDF: 16455811.1/42

All: 132.491+/-0.016 χ^2/NDF: 36113868.3/88

- sign 122.015+/-0.021 χ^2/NDF: 19041141.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 27.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

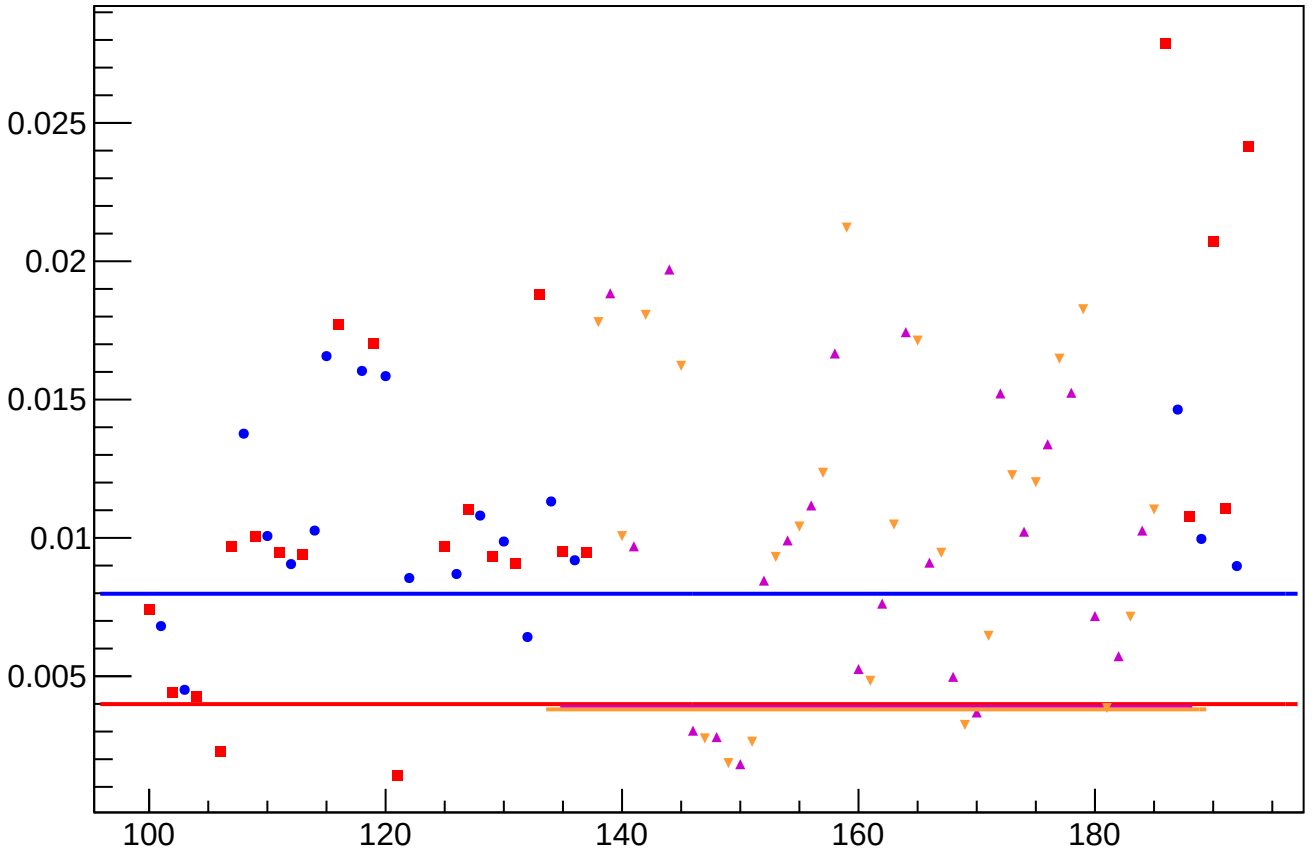
Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/22

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: 106.8/88

- sign -0.000+/-0.000 χ^2/NDF: 50.5/45



Right In: 0.008+/-0.000 χ^2/NDF: 1848108.9/18

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

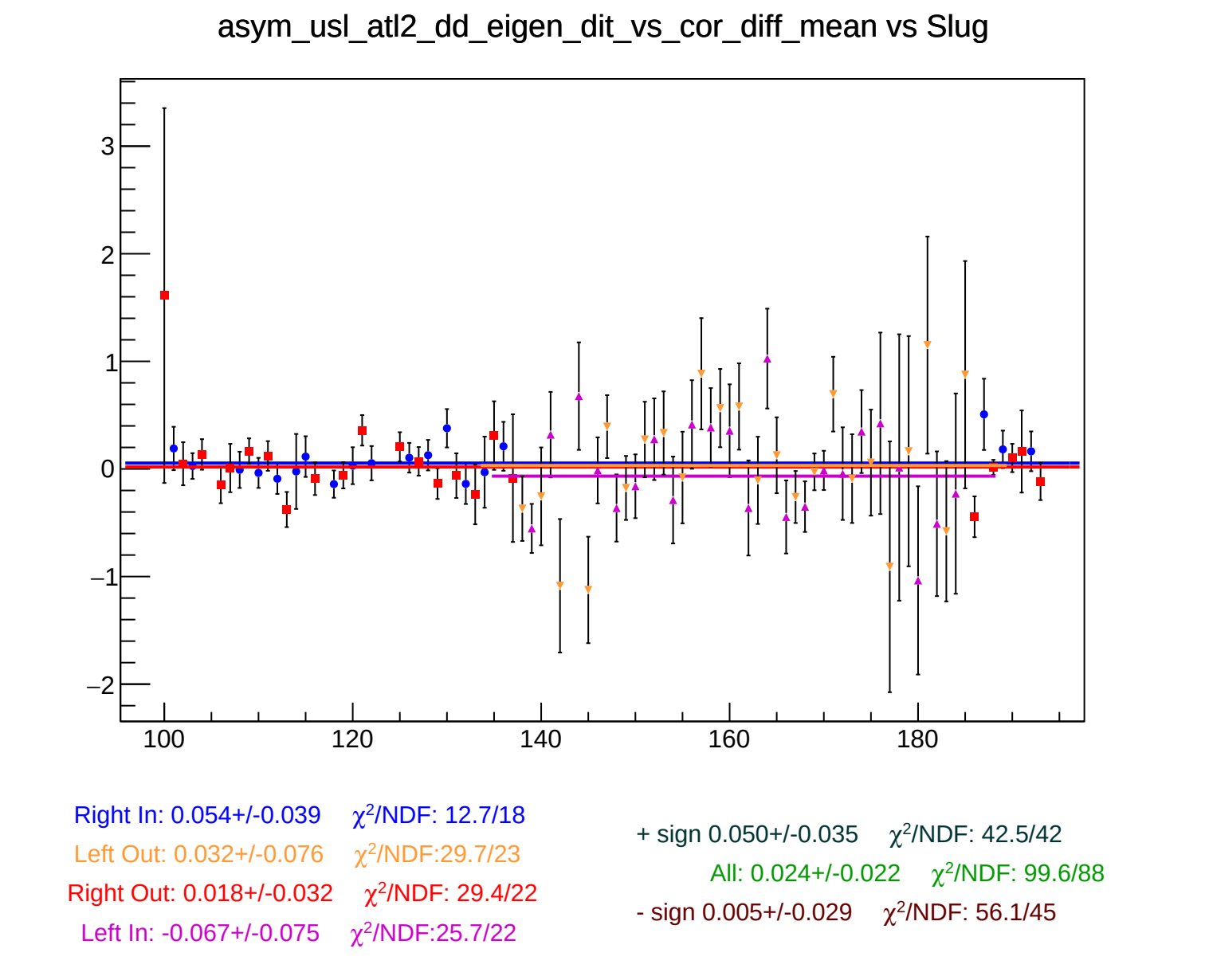
Right Out: 0.004+/-0.000 χ^2/NDF: 9444088.7/22

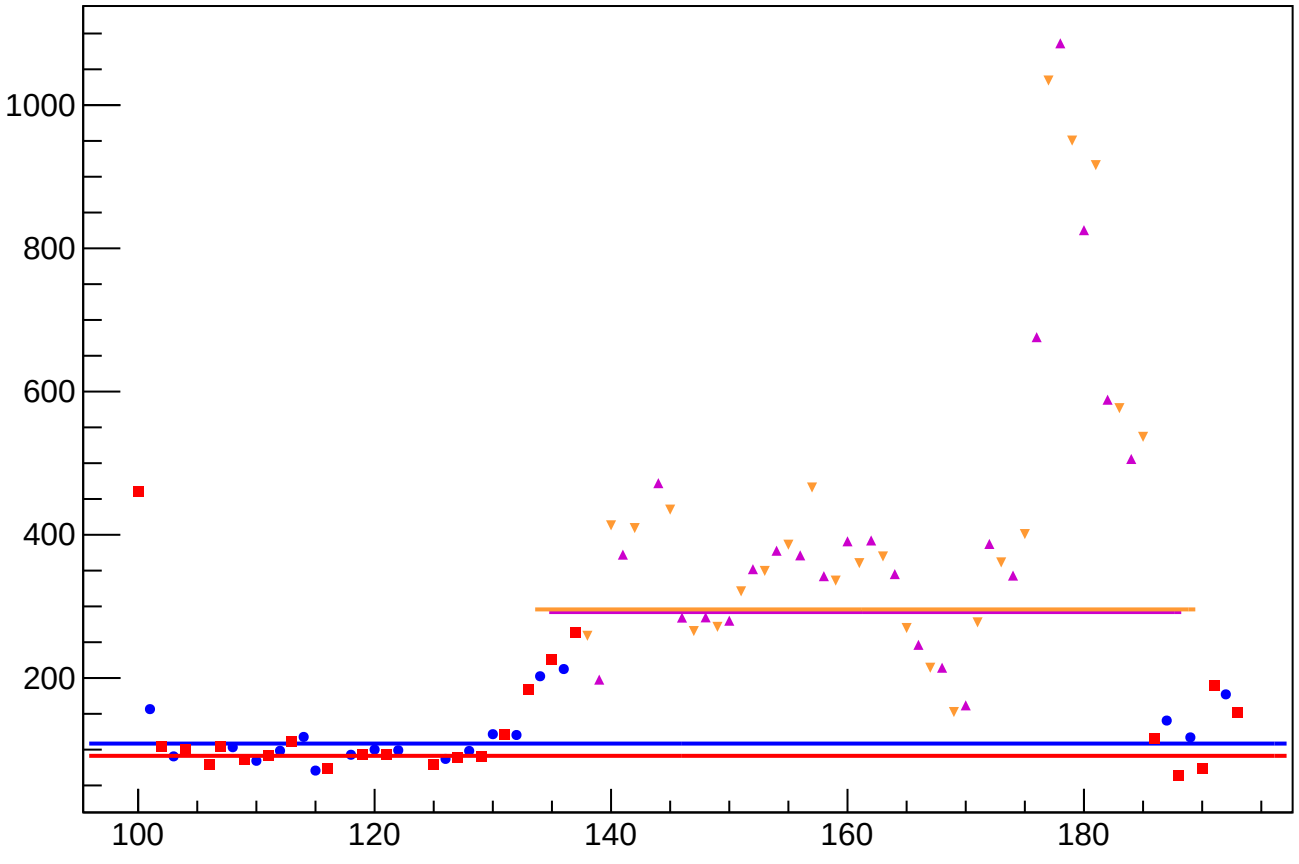
Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.004+/-0.000 χ^2/NDF: 20020762.0/42

All: 0.004+/-0.000 χ^2/NDF: 43199622.5/88

- sign 0.004+/-0.000 χ^2/NDF: 22971977.1/45


asym_usl_atl2_dd_eigen_dit_vs_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: 0.018+/-0.032 χ²/NDF: 29.4/22
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.050+/-0.035 χ²/NDF: 42.5/42
All: 0.024+/-0.022 χ²/NDF: 99.6/88
- sign 0.005+/-0.029 χ²/NDF: 56.1/45



Right In: 108.457+/-0.027 χ^2/NDF: 1312391.8/18

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

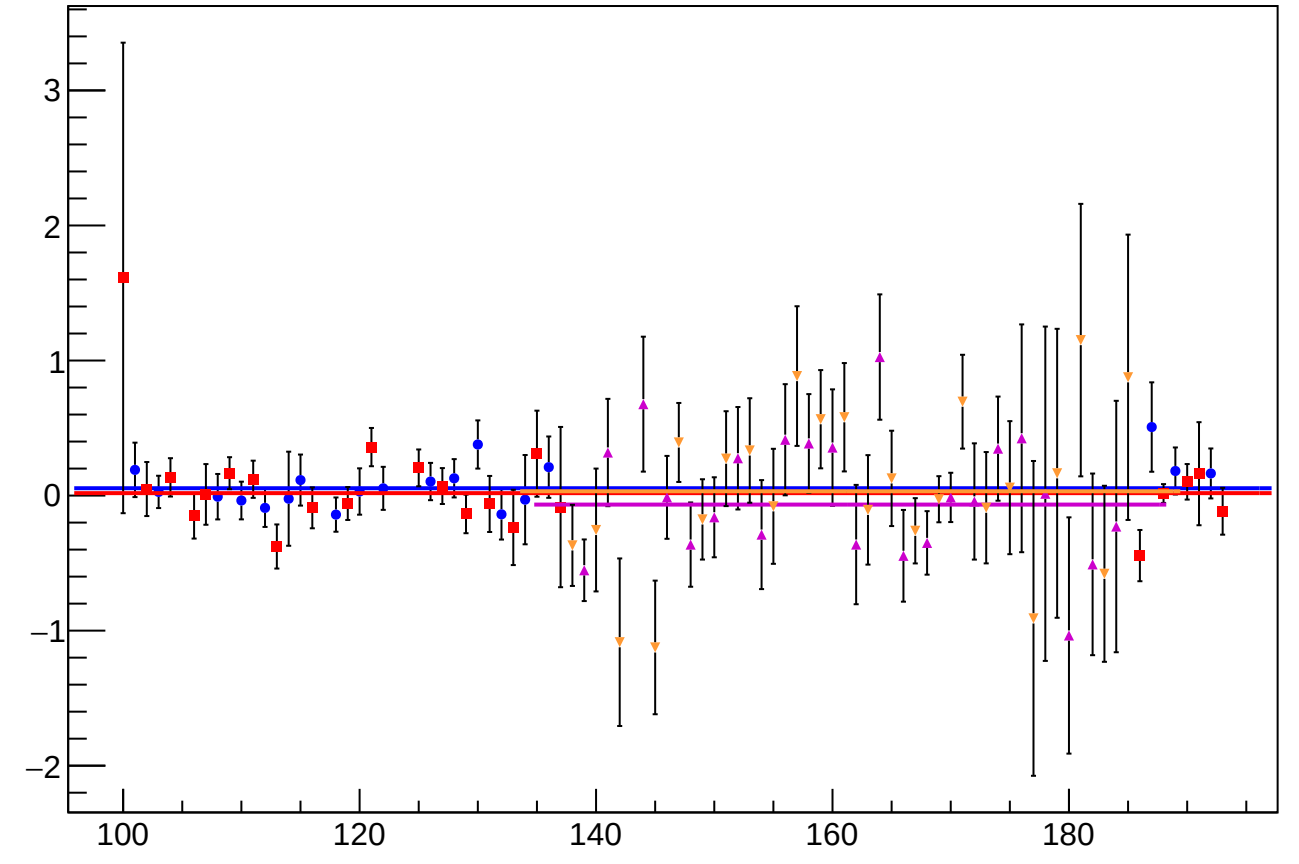
Right Out: 91.333+/-0.022 χ^2/NDF: 1753252.8/22

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.137+/-0.024 χ^2/NDF: 16455821.3/42

All: 132.490+/-0.016 χ^2/NDF: 36114422.0/88

- sign 122.013+/-0.021 χ^2/NDF: 19041562.5/45



Right In: 0.054+/-0.039 χ^2/NDF: 12.7/18

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

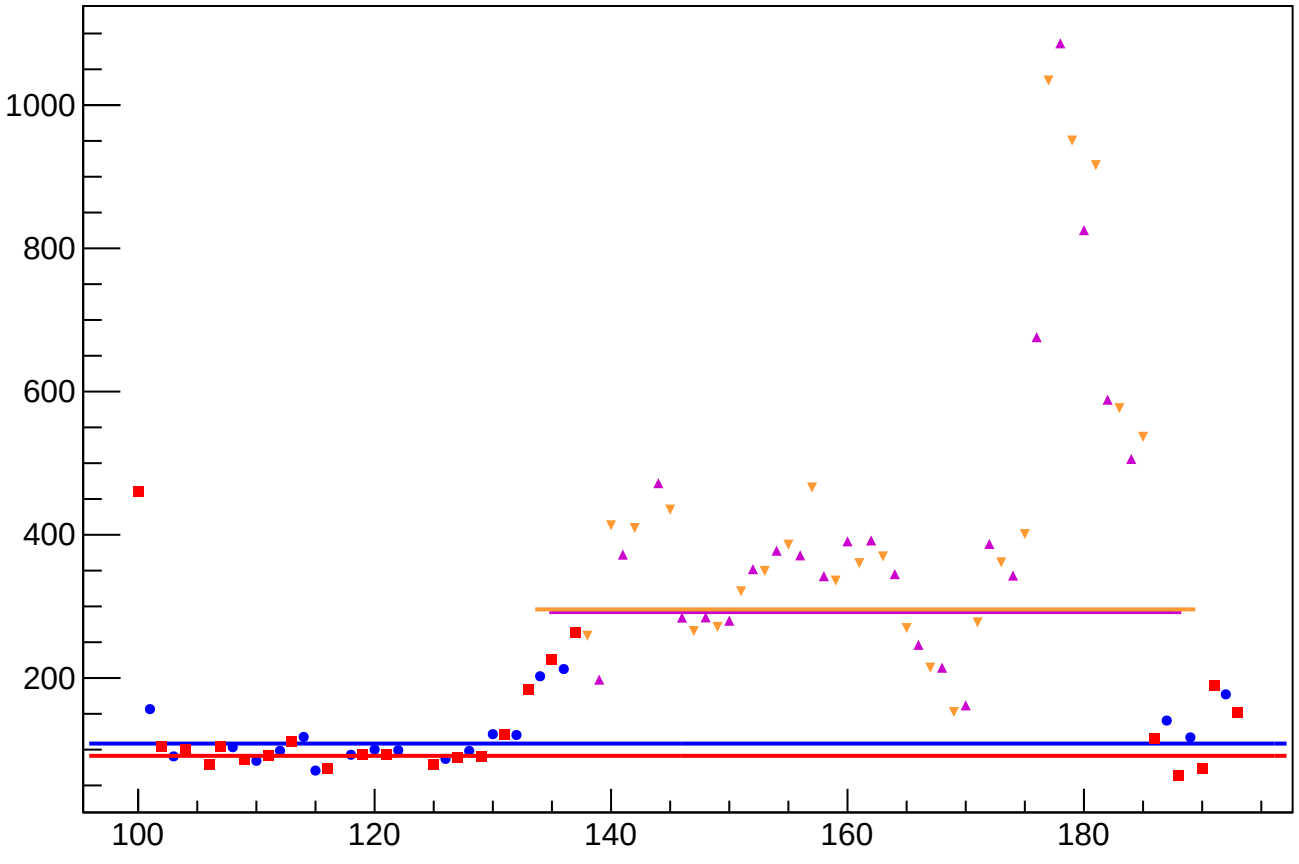
Right Out: 0.018+/-0.032 χ^2/NDF: 29.4/22

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.050+/-0.035 χ^2/NDF: 42.5/42

All: 0.024+/-0.022 χ^2/NDF: 99.6/88

- sign 0.005+/-0.029 χ^2/NDF: 56.1/45



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: 91.333+/-0.022 χ^2/NDF: 1753252.8/22

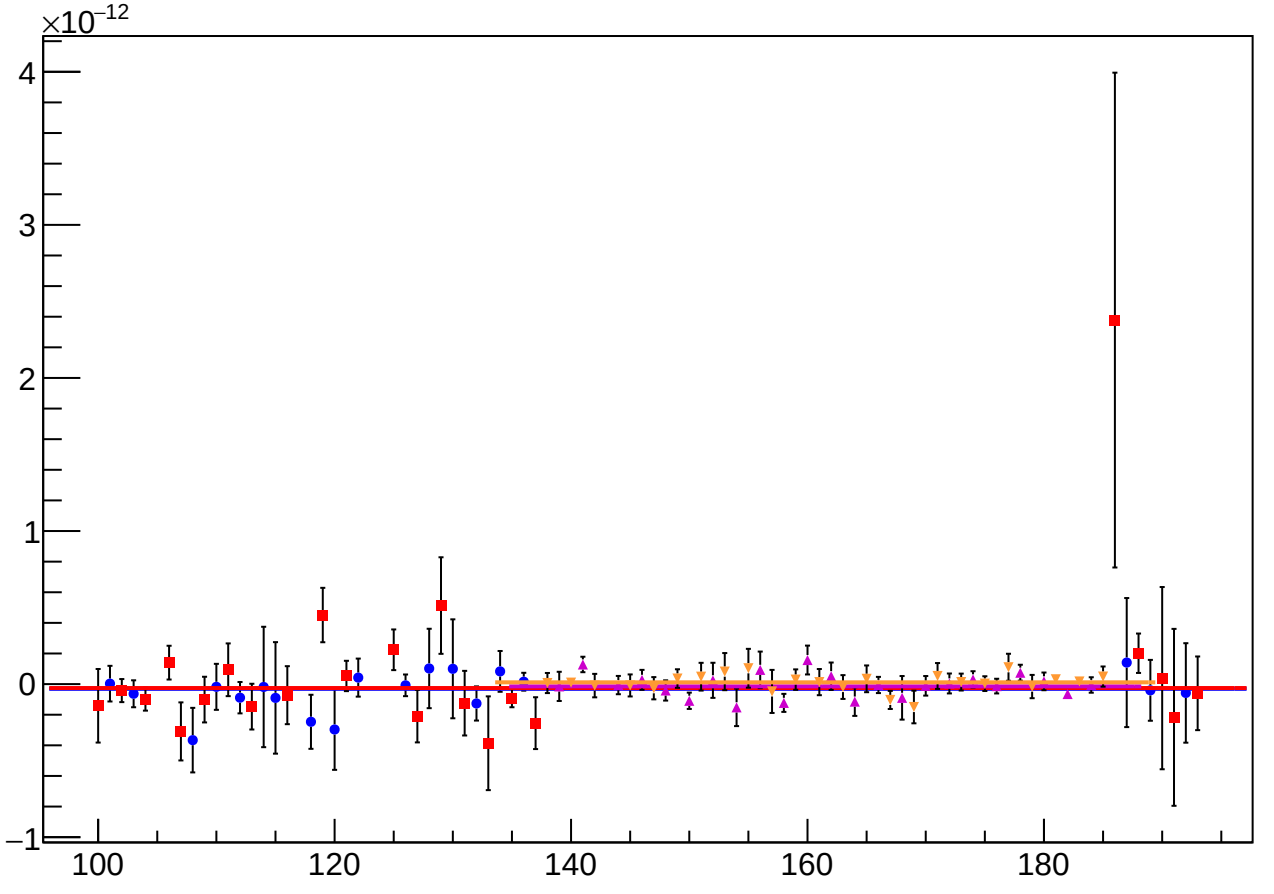
Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.137+/-0.024 χ^2/NDF: 16455821.3/42

All: 132.490+/-0.016 χ^2/NDF: 36114422.0/88

- sign 122.013+/-0.021 χ^2/NDF: 19041562.5/45

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 8.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

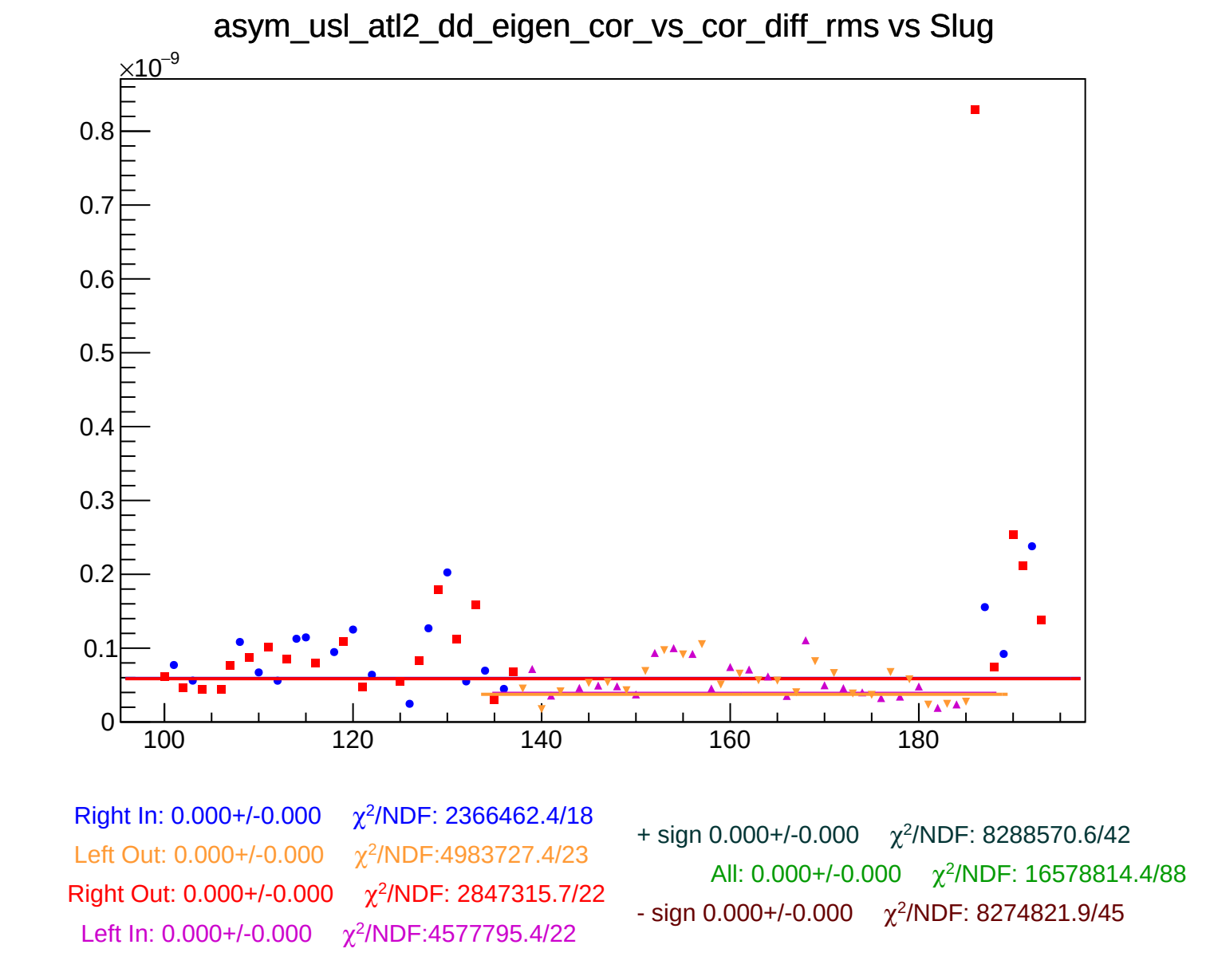
Right Out: -0.000+/-0.000 χ^2/NDF: 32.7/22

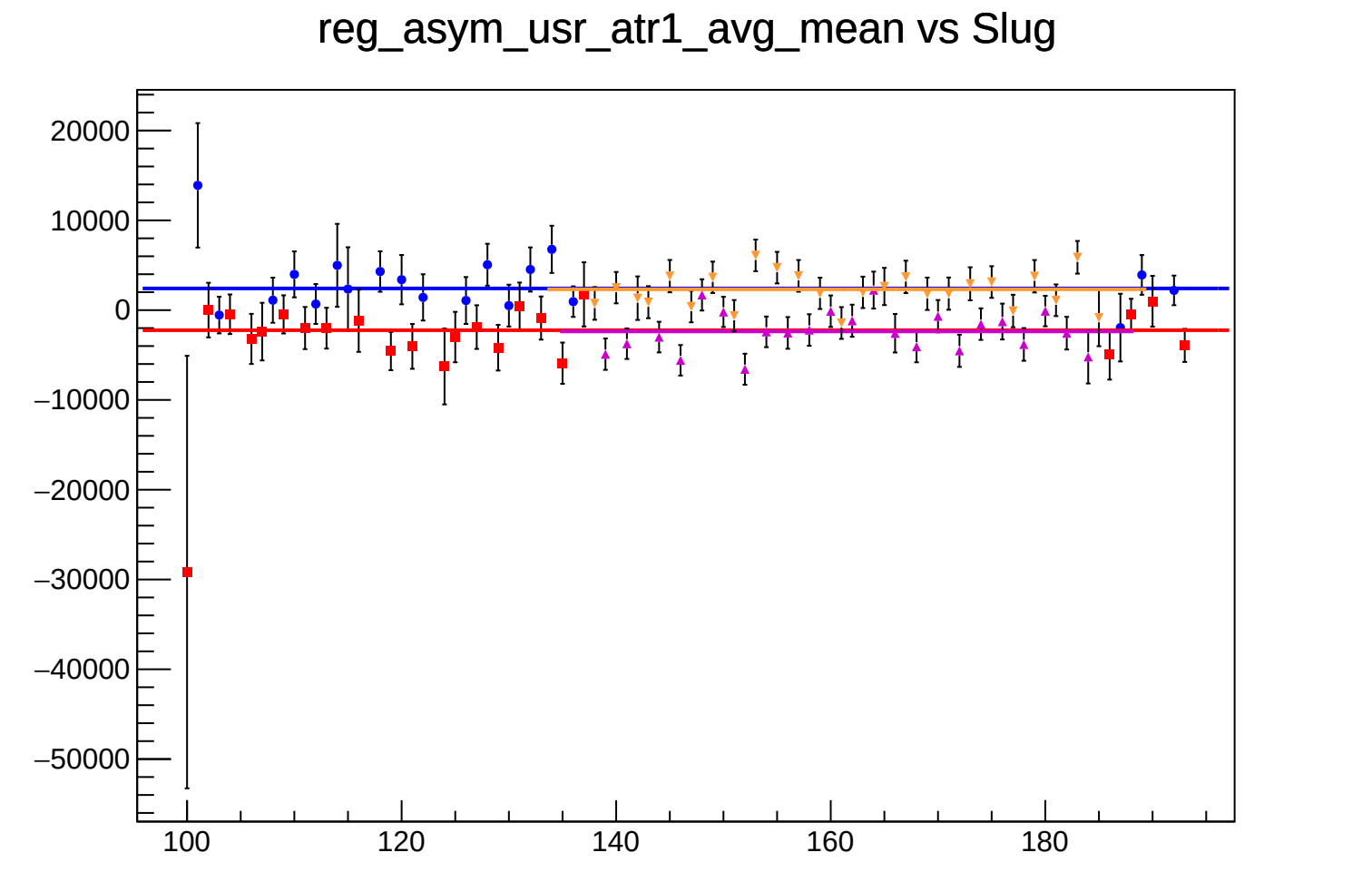
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 21.2/42

All: -0.000+/-0.000 χ^2/NDF: 86.9/88

- sign -0.000+/-0.000 χ^2/NDF: 63.7/45


asym_usl_atl2_dd_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: 2366462.4/18
Left Out: 0.000+/-0.000 χ²/NDF:4983727.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 2847315.7/22
Left In: 0.000+/-0.000 χ²/NDF:4577795.4/22
+ sign 0.000+/-0.000 χ²/NDF: 8288570.6/42
All: 0.000+/-0.000 χ²/NDF: 16578814.4/88
- sign 0.000+/-0.000 χ²/NDF: 8274821.9/45



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: -2234.302+/-528.935 χ^2/NDF: 16.0/22

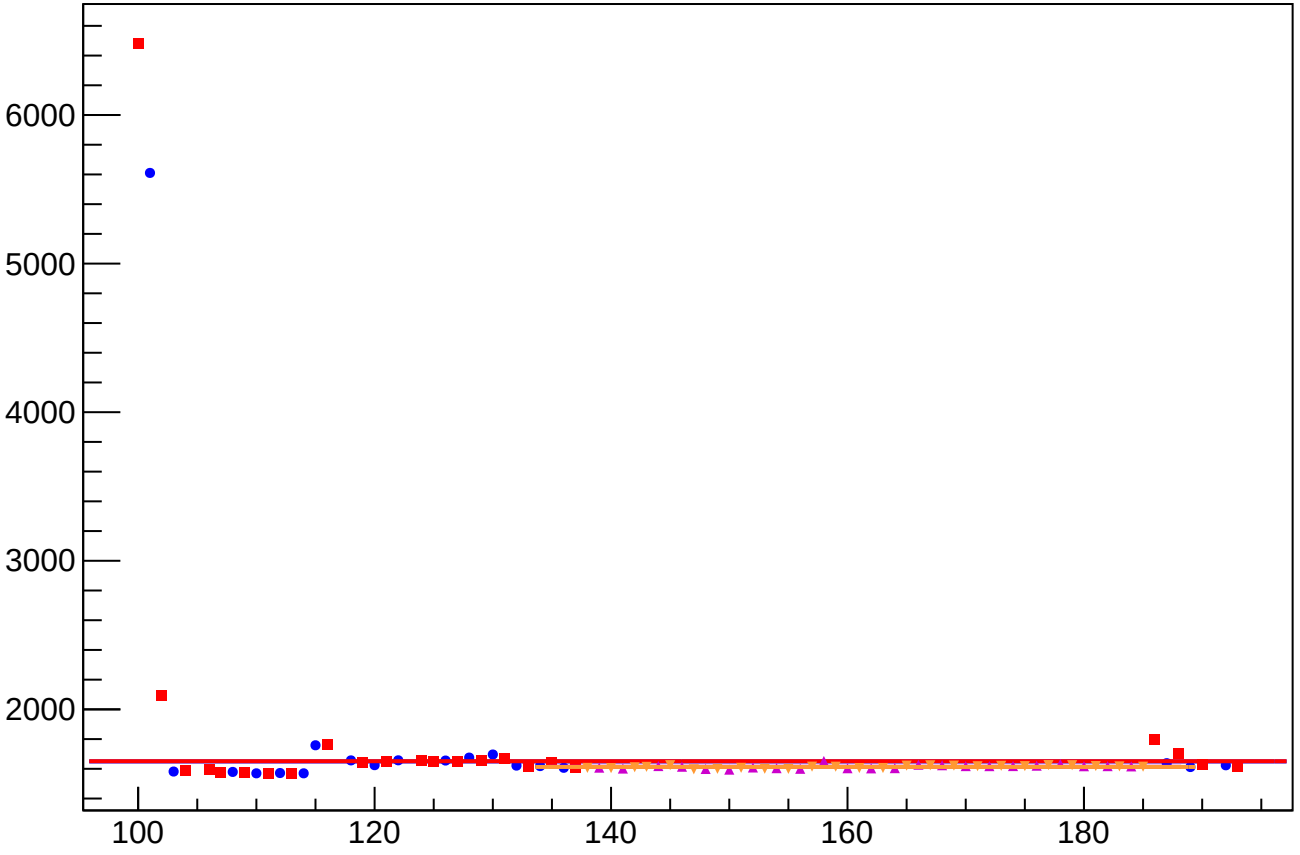
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2349.964+/-306.951 χ^2/NDF: 43.2/43

All: 12.157+/-217.026 χ^2/NDF: 208.9/89

- sign -2324.736+/-306.891 χ^2/NDF: 49.7/45

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: 1651.230+/-0.374 χ^2/NDF: 145080.3/22

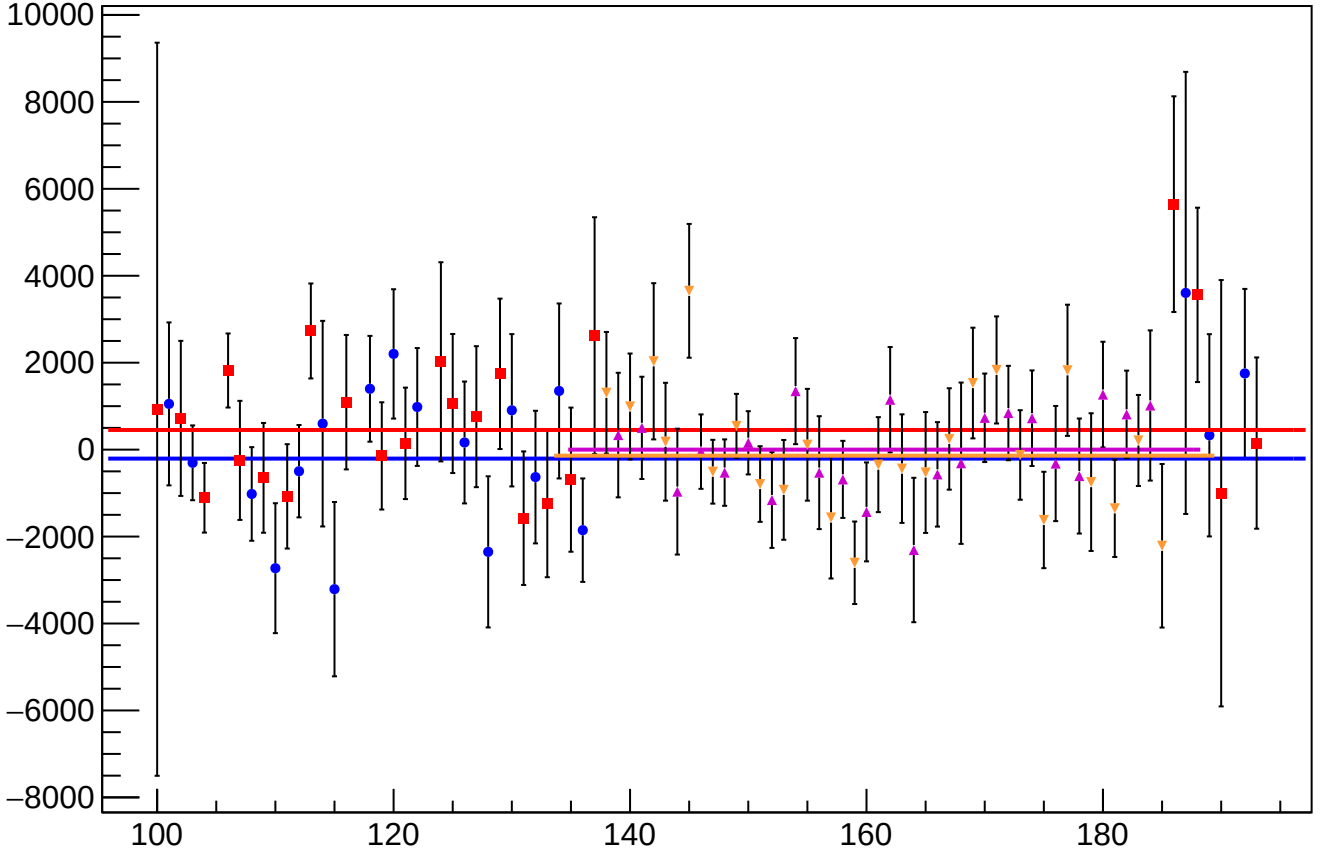
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.605+/-0.217 χ^2/NDF: 674795.5/43

All: 1625.001+/-0.153 χ^2/NDF: 828959.4/89

- sign 1626.396+/-0.217 χ^2/NDF: 154081.2/45

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: 452.455+/-302.625 χ^2/NDF: 25.8/22

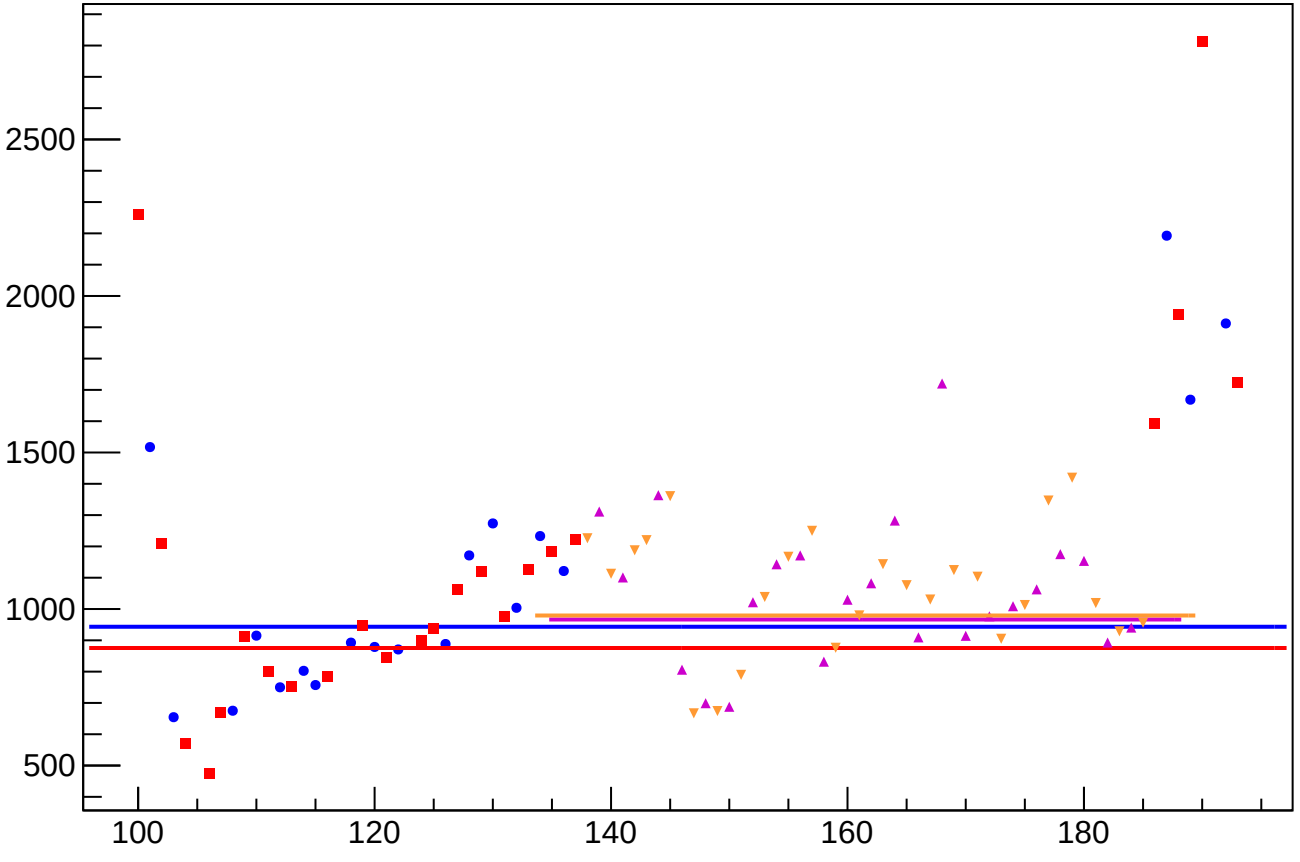
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -160.544+/-188.934 χ^2/NDF: 47.8/43

All: 7.729+/-131.844 χ^2/NDF: 89.5/89

- sign 167.452+/-184.072 χ^2/NDF: 40.1/45

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: 875.495+/-0.214 χ^2/NDF: 2590076.6/22

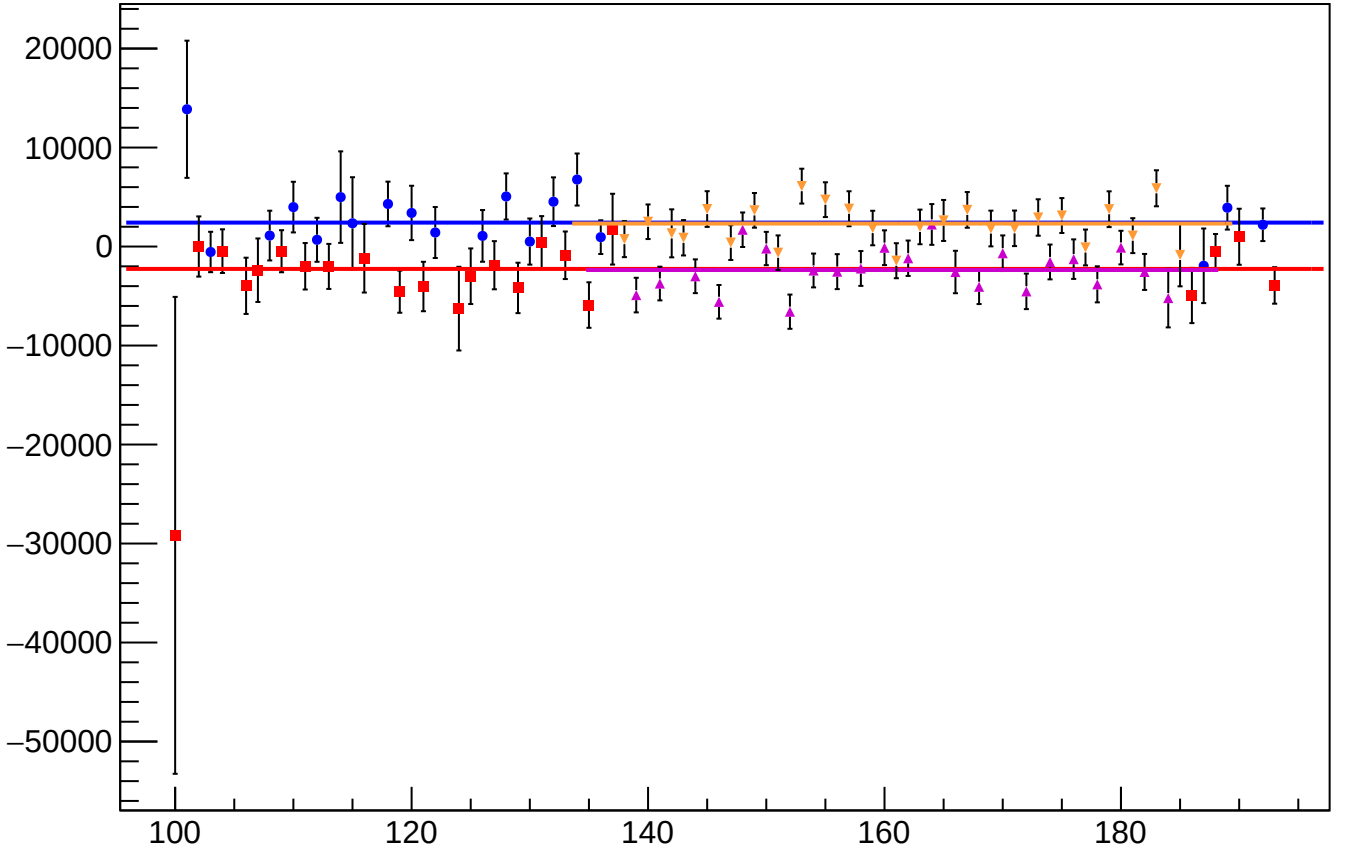
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 967.794+/-0.134 χ^2/NDF: 3297257.8/43

All: 949.865+/-0.093 χ^2/NDF: 7639049.4/89

- sign 932.847+/-0.130 χ^2/NDF: 4306687.7/45

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: -2259.811+/-529.262 χ^2/NDF: 16.2/22

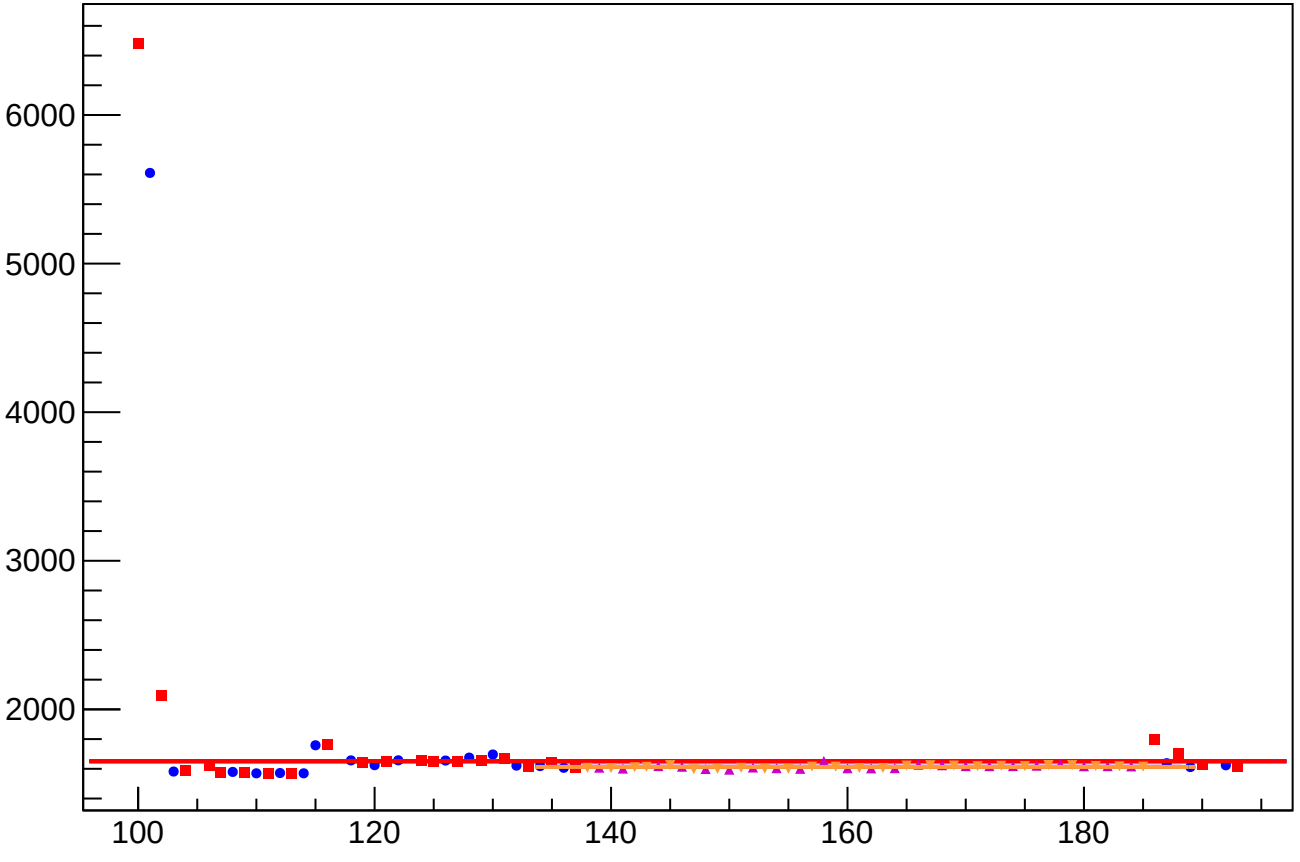
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2349.802+/-306.951 χ^2/NDF: 43.2/43

All: 8.230+/-217.048 χ^2/NDF: 209.5/89

- sign -2333.401+/-306.955 χ^2/NDF: 50.0/45

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: 1652.221+/-0.374 χ^2/NDF: 144457.8/22

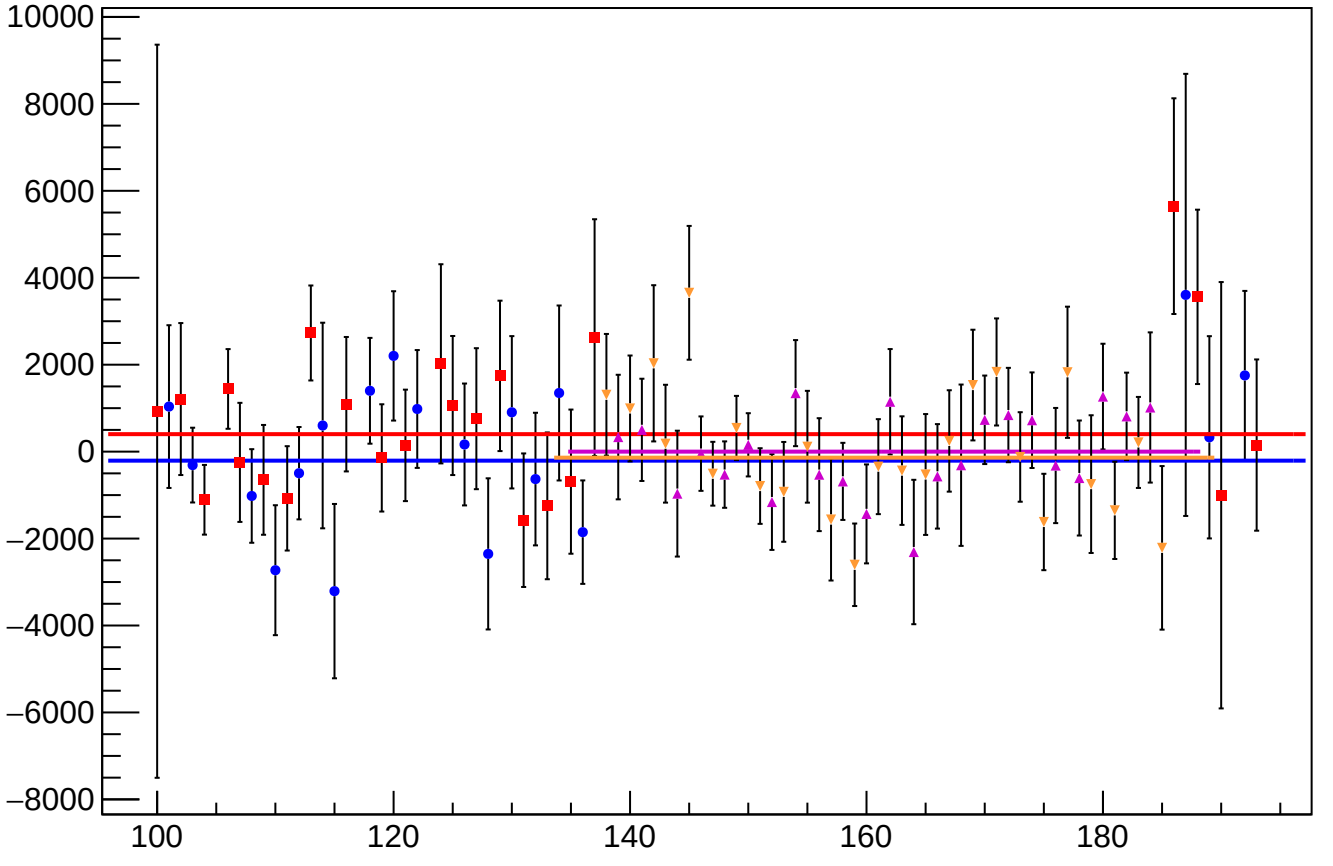
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.605+/-0.217 χ^2/NDF: 674795.0/43

All: 1625.162+/-0.153 χ^2/NDF: 828707.5/89

- sign 1626.719+/-0.217 χ^2/NDF: 153809.6/45

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

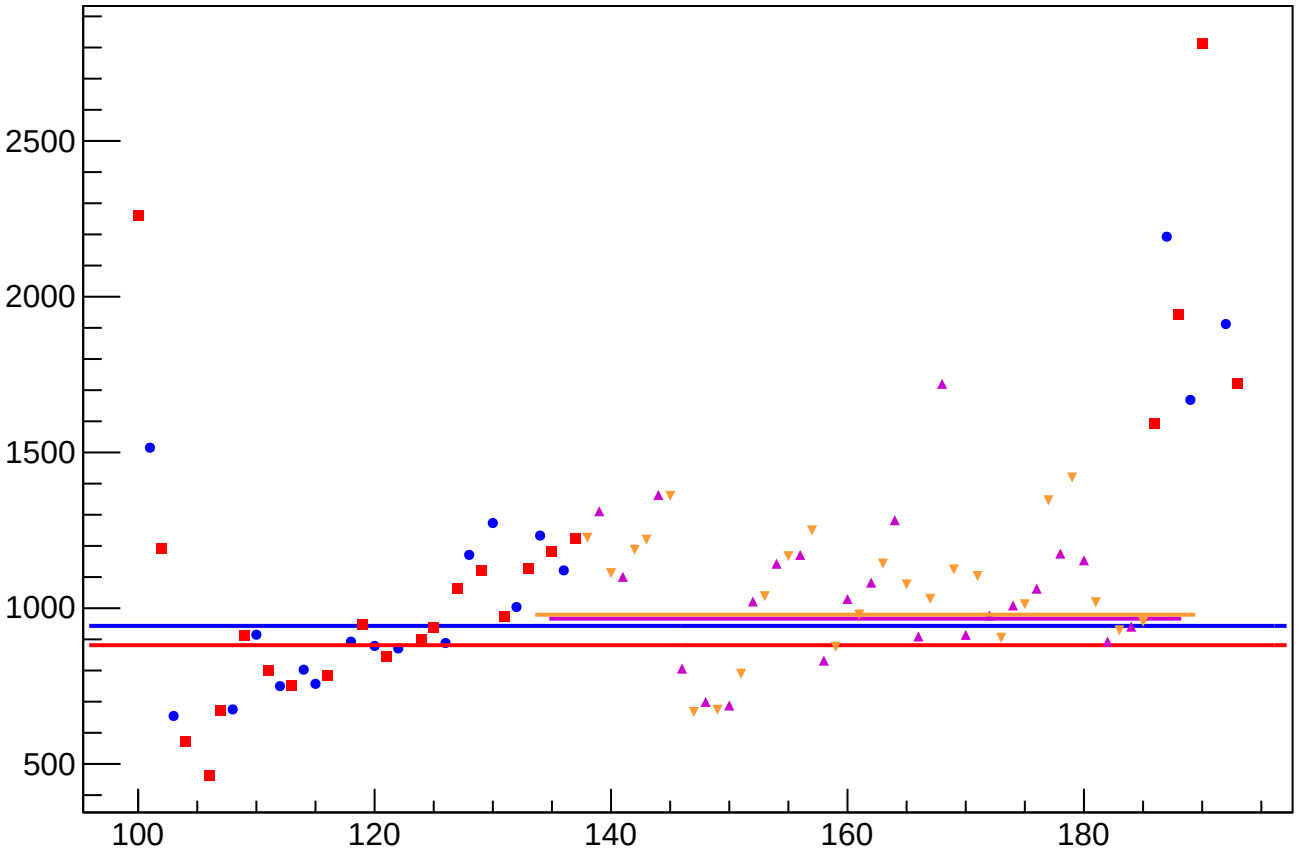
Right Out: 402.168+/-305.130 χ^2/NDF: 24.5/22

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -160.997+/-188.926 χ^2/NDF: 47.8/43

All: -3.309+/-132.046 χ^2/NDF: 87.7/89

- sign 147.292+/-184.632 χ^2/NDF: 38.5/45



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: 881.270+/-0.216 χ^2/NDF: 2544041.4/22

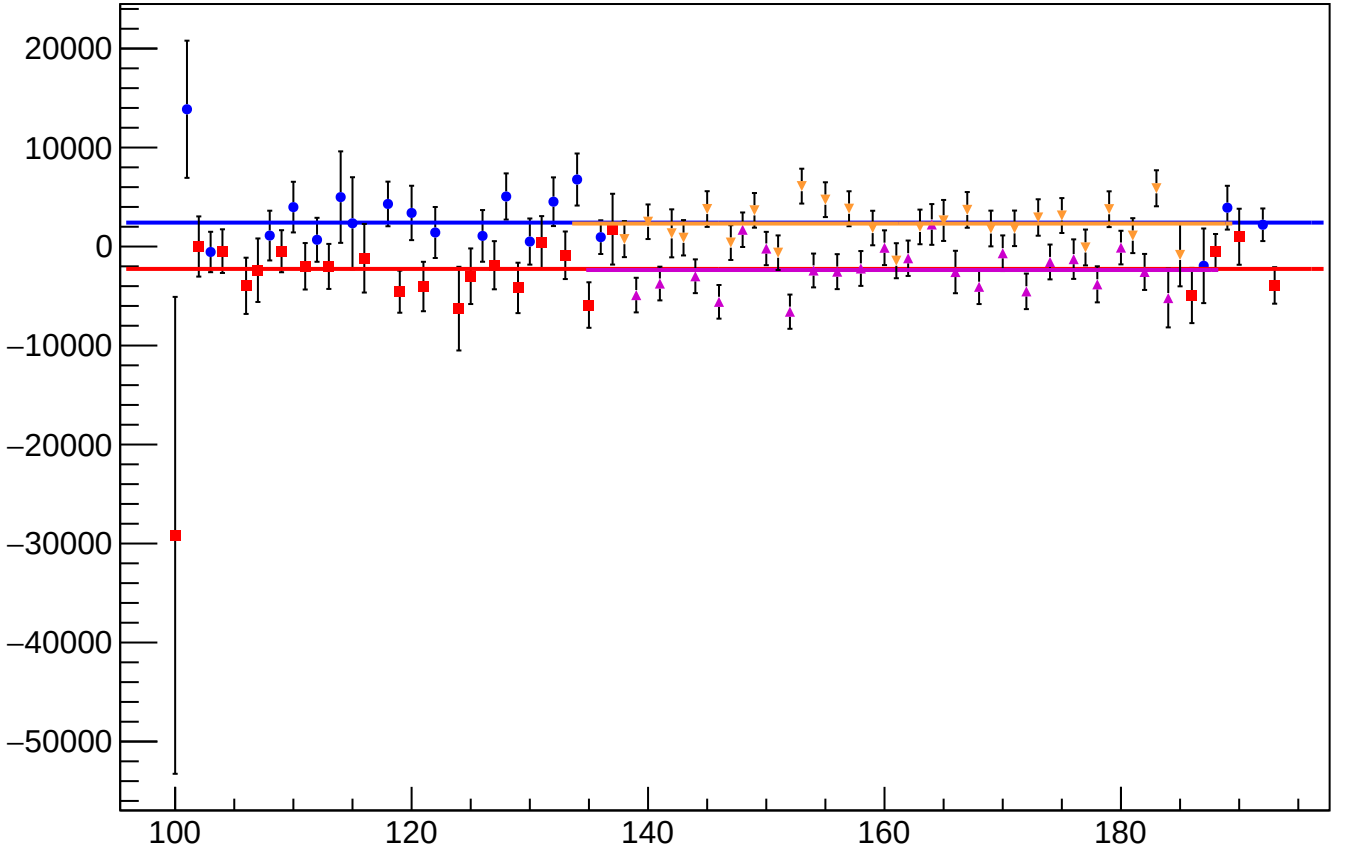
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

\+ sign 967.753+/-0.134 χ^2/NDF: 3297409.6/43

All: 951.161+/-0.093 χ^2/NDF: 7573154.4/89

\- sign 935.314+/-0.131 χ^2/NDF: 4245585.7/45

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: -2259.811+/-529.262 χ^2/NDF: 16.2/22

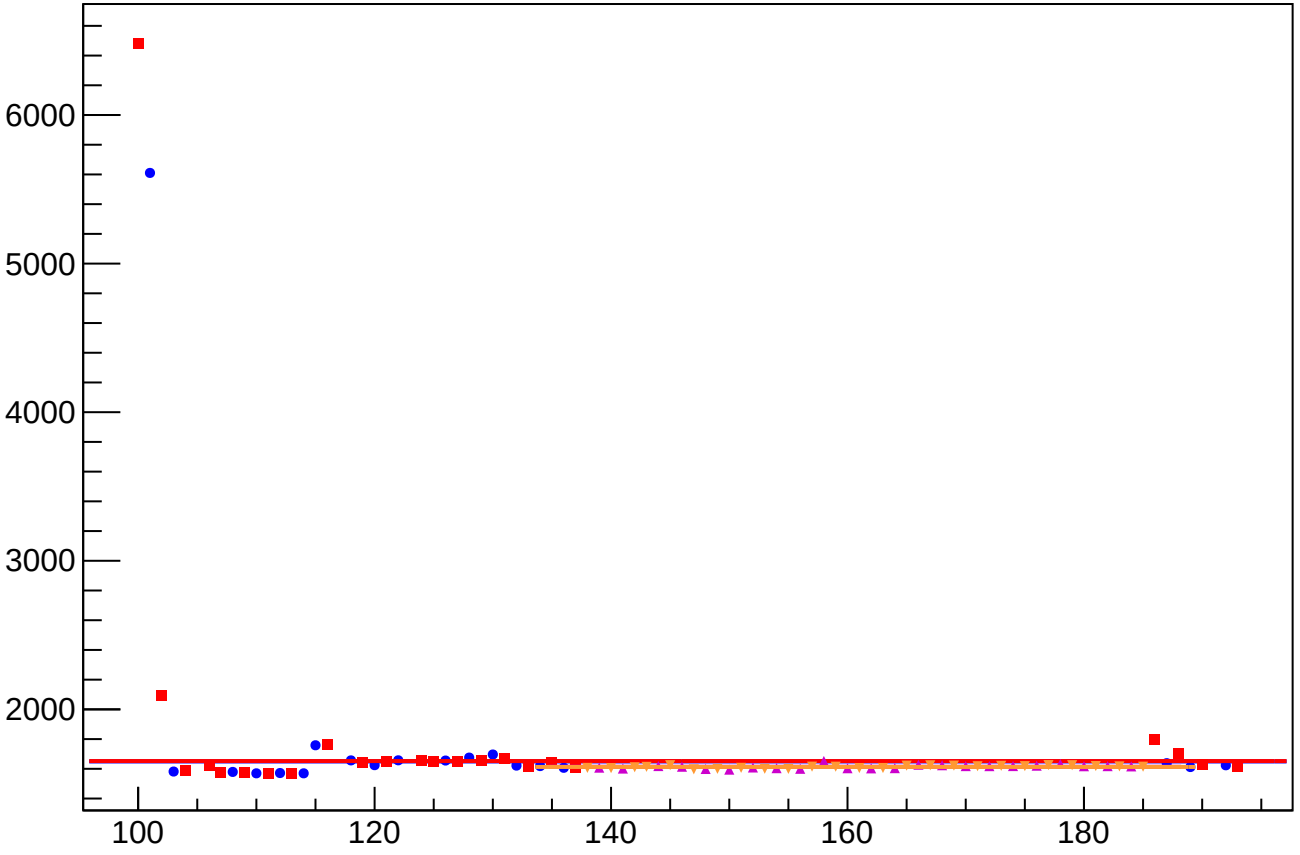
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2349.802+/-306.951 χ^2/NDF: 43.2/43

All: 8.230+/-217.048 χ^2/NDF: 209.5/89

- sign -2333.401+/-306.955 χ^2/NDF: 50.0/45

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

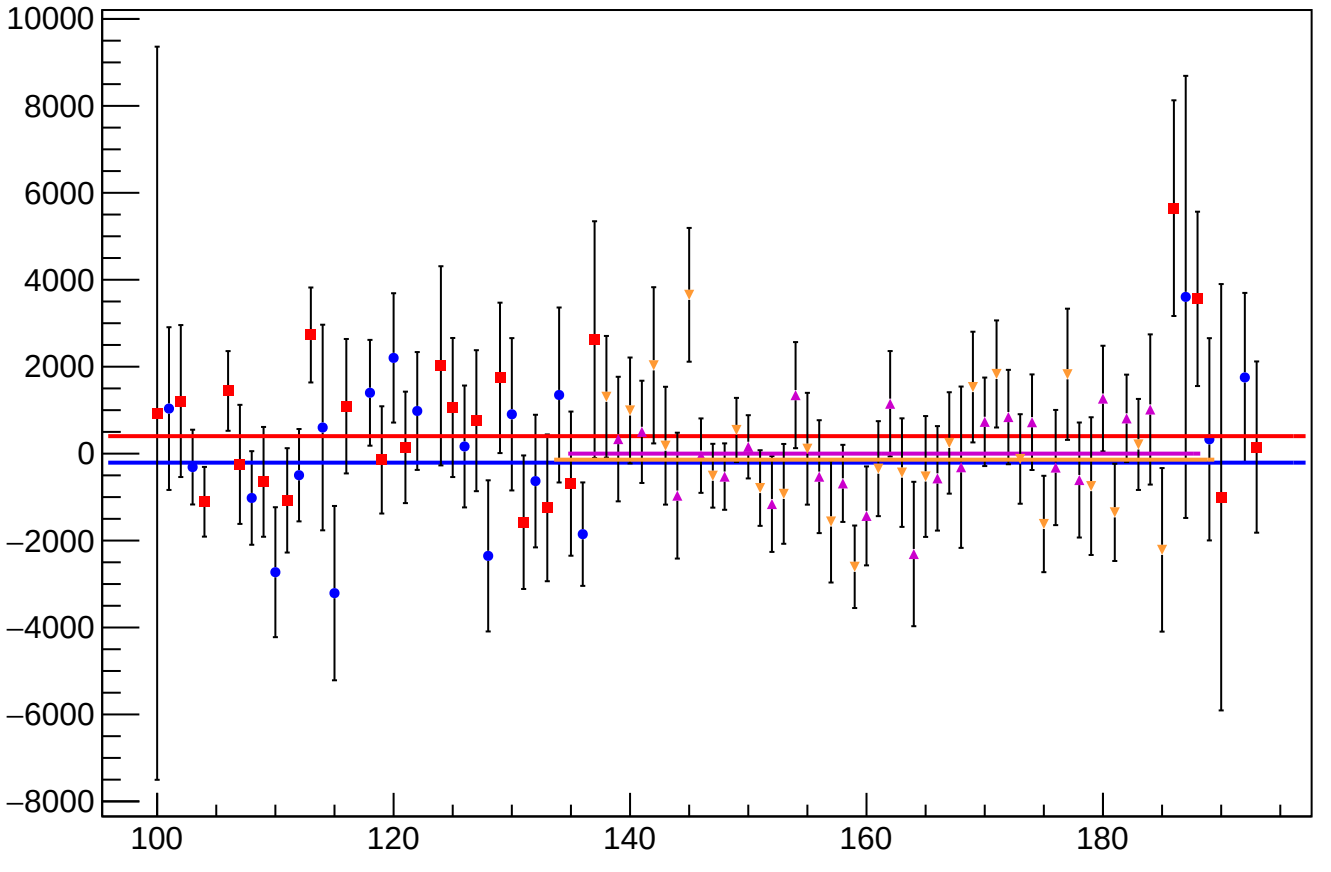
Right Out: 1652.221+/-0.374 χ^2/NDF: 144457.8/22

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.605+/-0.217 χ^2/NDF: 674795.0/43

All: 1625.162+/-0.153 χ^2/NDF: 828707.5/89

- sign 1626.719+/-0.217 χ^2/NDF: 153809.6/45



Right In: -207.562+/-333.919 χ^2/NDF: 17.6/18

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

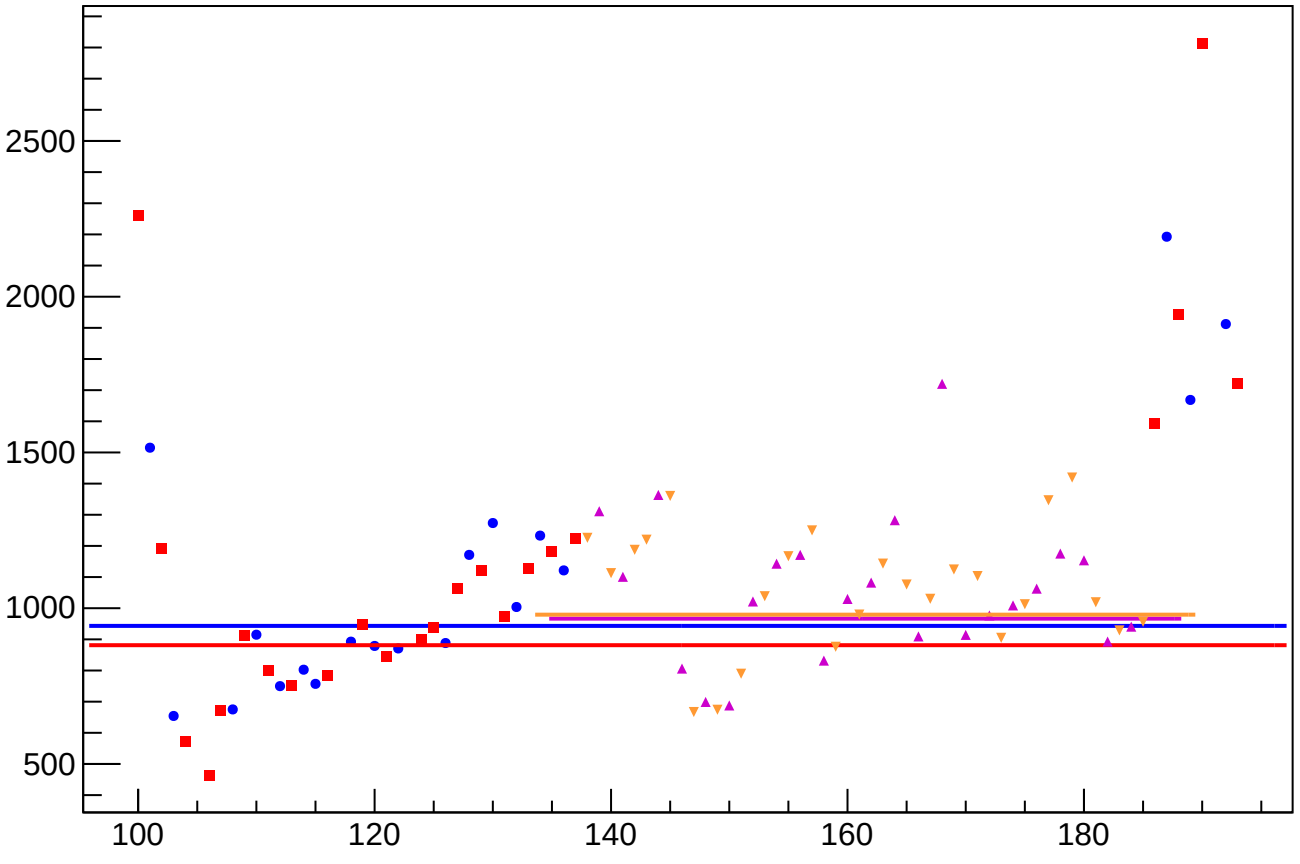
Right Out: 402.168+/-305.130 χ^2/NDF: 24.5/22

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -160.997+/-188.926 χ^2/NDF: 47.8/43

All: -3.309+/-132.046 χ^2/NDF: 87.7/89

\- sign 147.292+/-184.632 χ^2/NDF: 38.5/45



Right In: 943.253+/-0.236 χ^2/NDF: 1650842.7/18

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

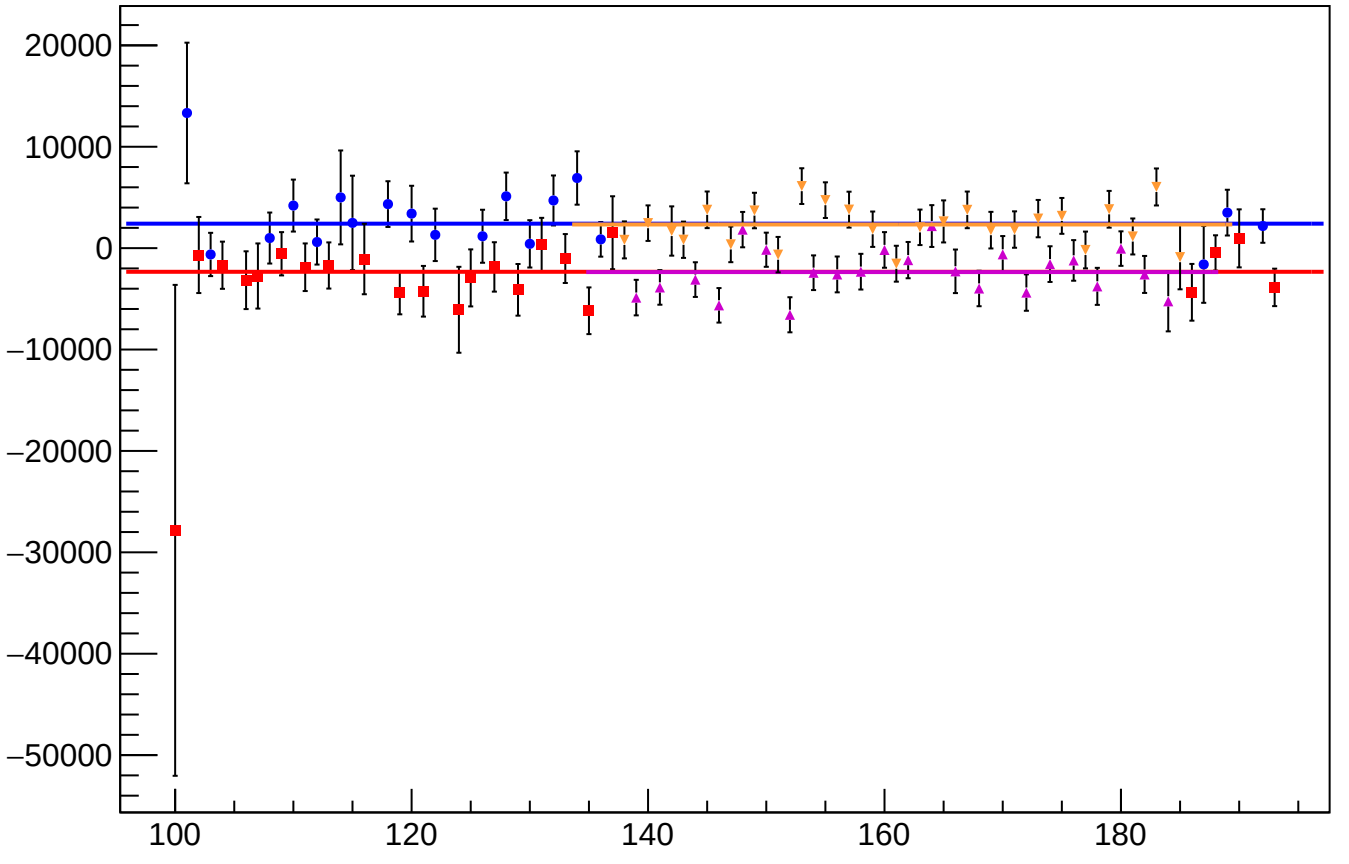
Right Out: 881.270+/-0.216 χ^2/NDF: 2544041.4/22

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 967.753+/-0.134 χ^2/NDF: 3297409.6/43

All: 951.161+/-0.093 χ^2/NDF: 7573154.4/89

- sign 935.314+/-0.131 χ^2/NDF: 4245585.7/45



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: -2332.273+/-534.896 χ^2/NDF: 14.3/22

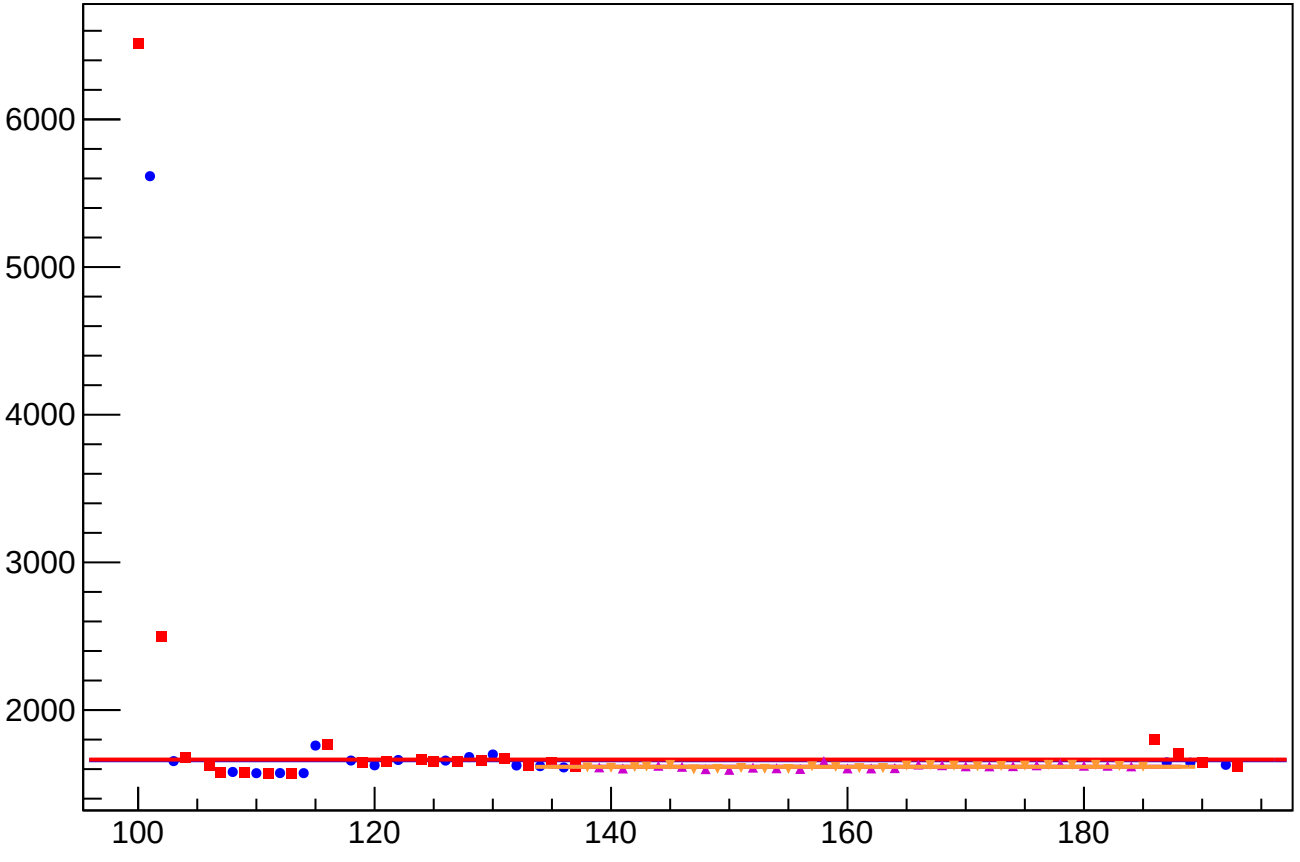
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2358.396+/-307.934 χ^2/NDF: 43.9/43

All: 7.045+/-217.897 χ^2/NDF: 208.9/89

- sign -2350.978+/-308.371 χ^2/NDF: 48.3/45

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: 1664.611+/-0.378 χ^2/NDF: 200607.3/22

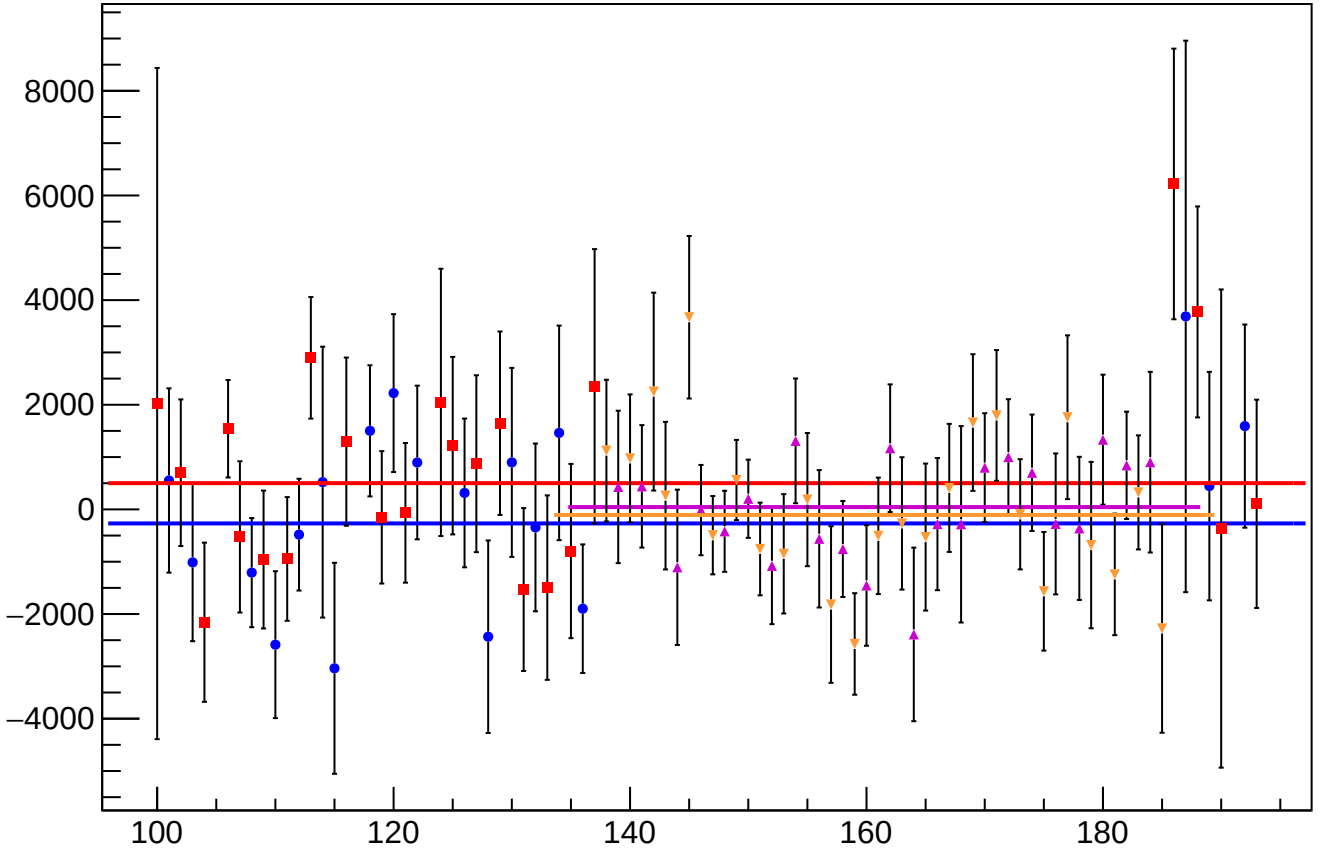
Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1628.799+/-0.218 χ^2/NDF: 674101.3/43

All: 1630.596+/-0.154 χ^2/NDF: 888267.6/89

- sign 1632.397+/-0.218 χ^2/NDF: 214030.1/45

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: 501.854+/-327.655 χ^2/NDF: 25.3/22

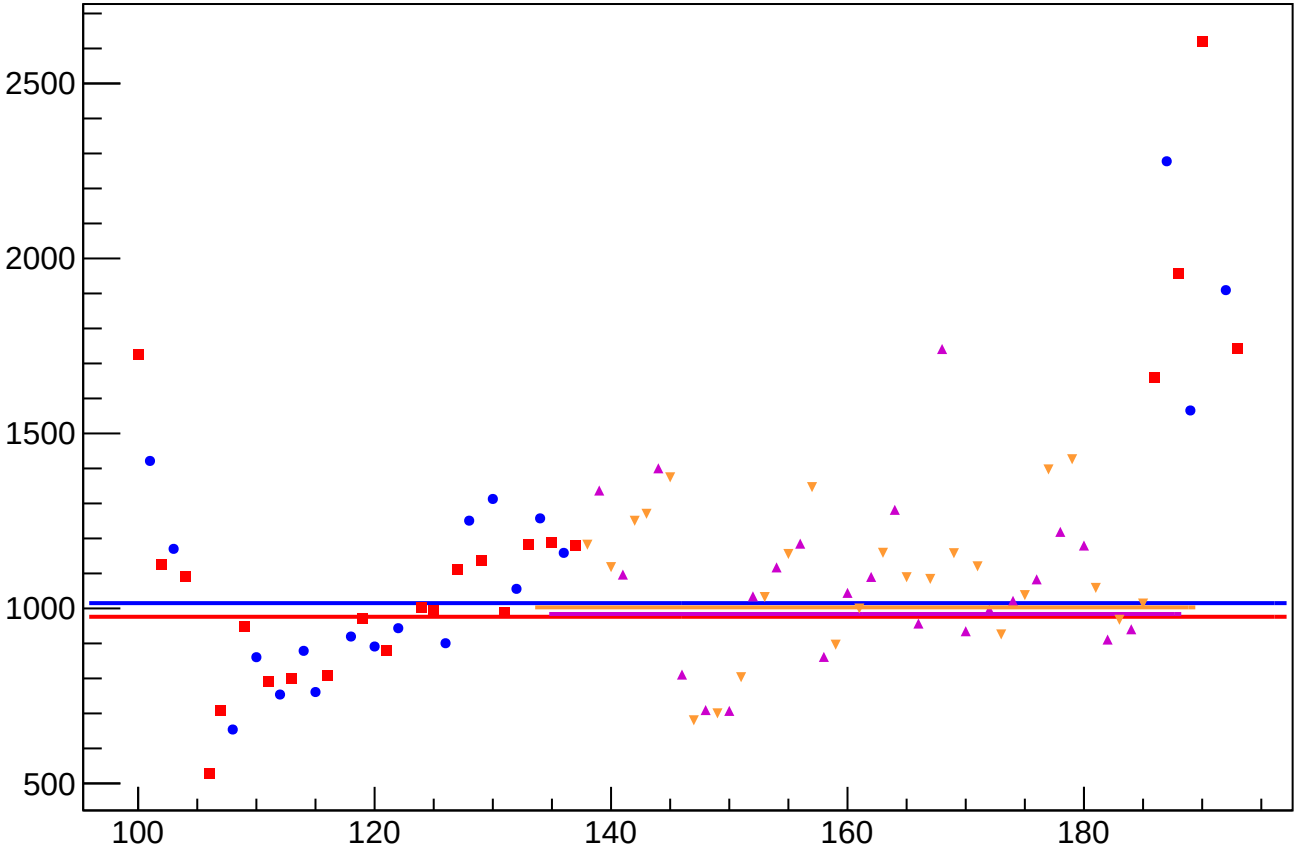
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -155.307+/-195.693 χ^2/NDF: 46.6/43

All: 26.568+/-136.816 χ^2/NDF: 87.6/89

- sign 200.470+/-191.355 χ^2/NDF: 39.3/45

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: 976.147+/-0.232 χ^2/NDF: 1992416.1/22

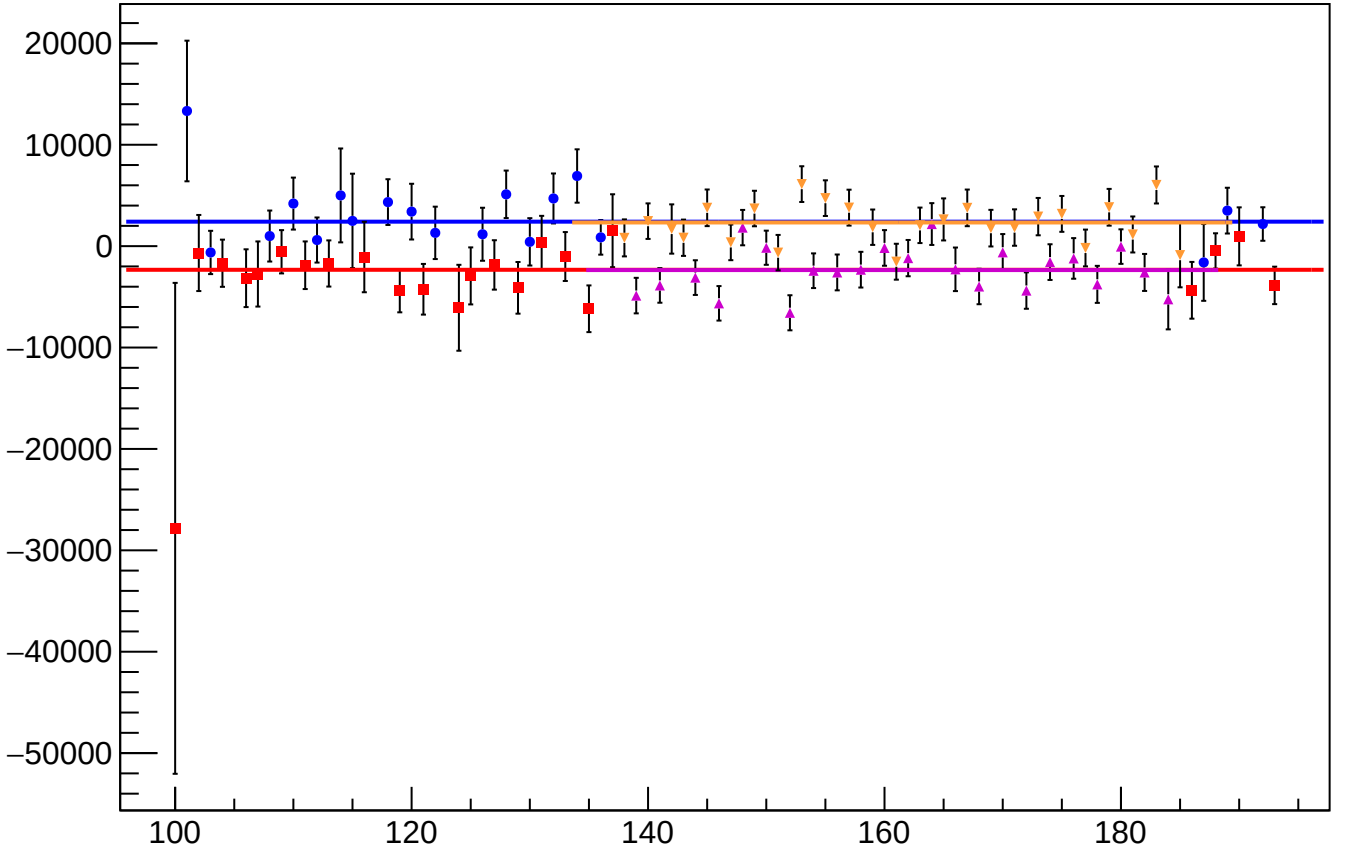
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1006.743+/-0.138 χ^2/NDF: 3001079.1/43

All: 993.766+/-0.097 χ^2/NDF: 6571030.3/89

- sign 981.357+/-0.135 χ^2/NDF: 3552744.9/45

eigen_dit_asym_usr_atr1_avg_mean vs Slug



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: -2332.272+/-534.896 χ^2/NDF: 14.3/22

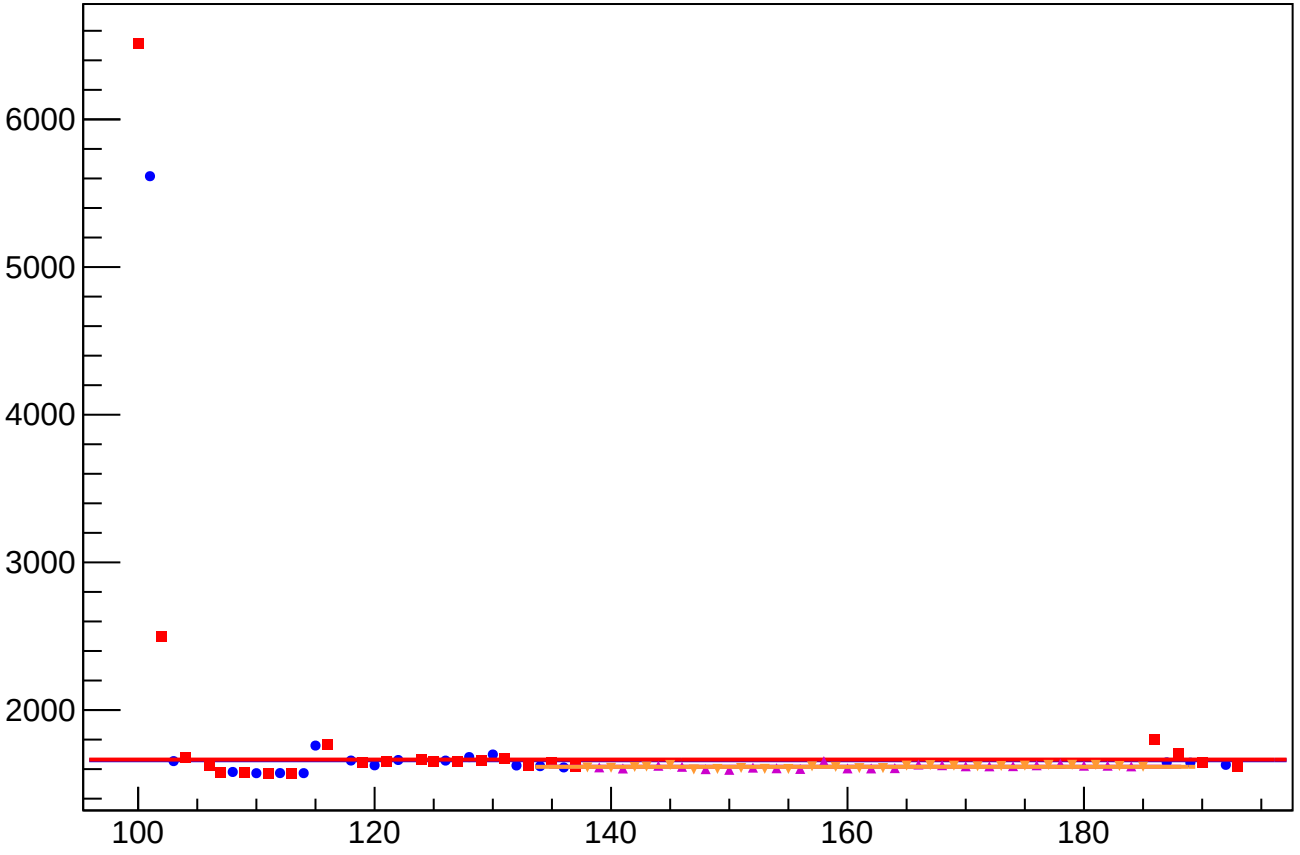
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2358.396+/-307.934 χ^2/NDF: 43.9/43

All: 7.045+/-217.897 χ^2/NDF: 208.9/89

- sign -2350.977+/-308.371 χ^2/NDF: 48.3/45

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

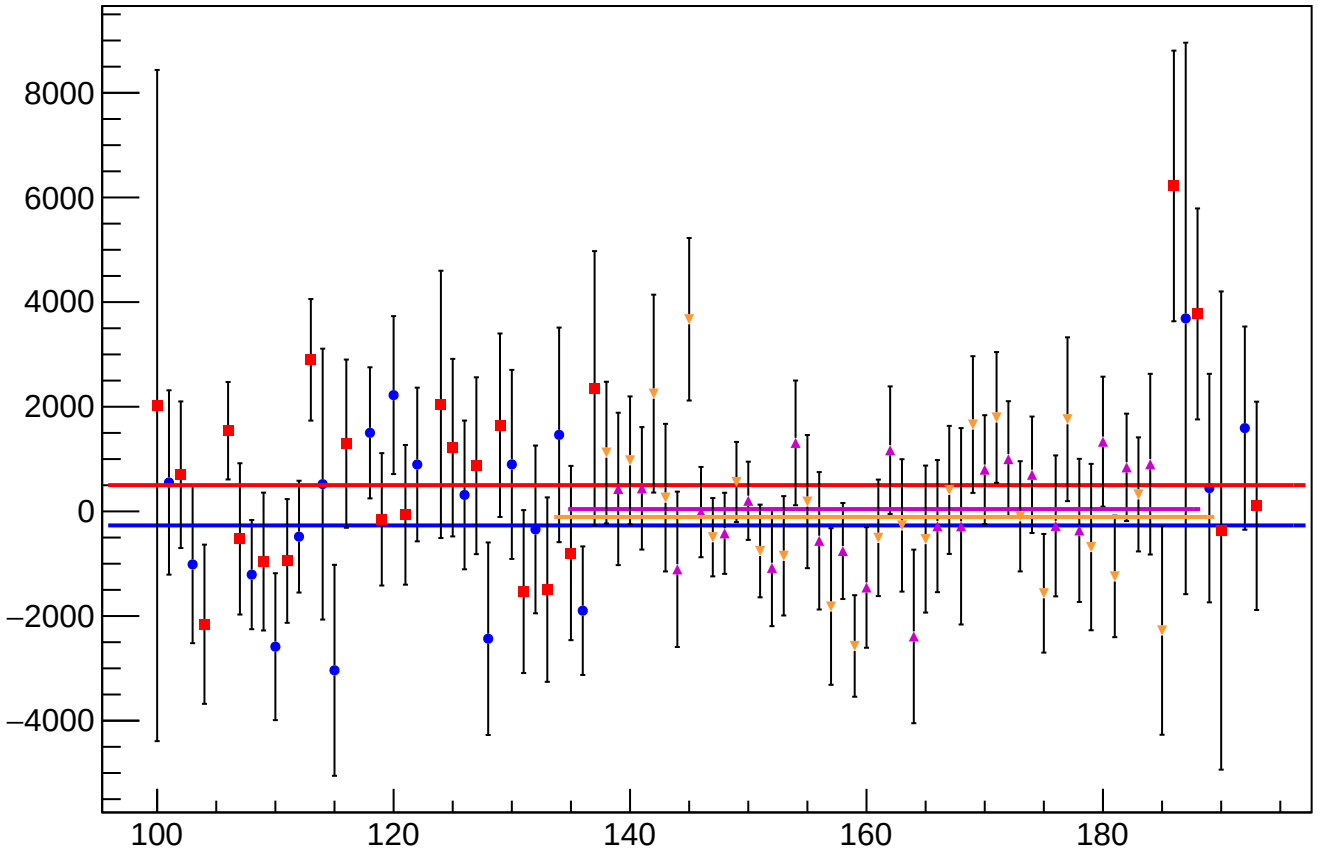
Right Out: 1664.611+/-0.378 χ^2/NDF: 200607.2/22

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1628.799+/-0.218 χ^2/NDF: 674101.2/43

All: 1630.596+/-0.154 χ^2/NDF: 888267.4/89

- sign 1632.397+/-0.218 χ^2/NDF: 214029.9/45



Right In: -268.253+/-355.841 χ^2/NDF: 17.4/18

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

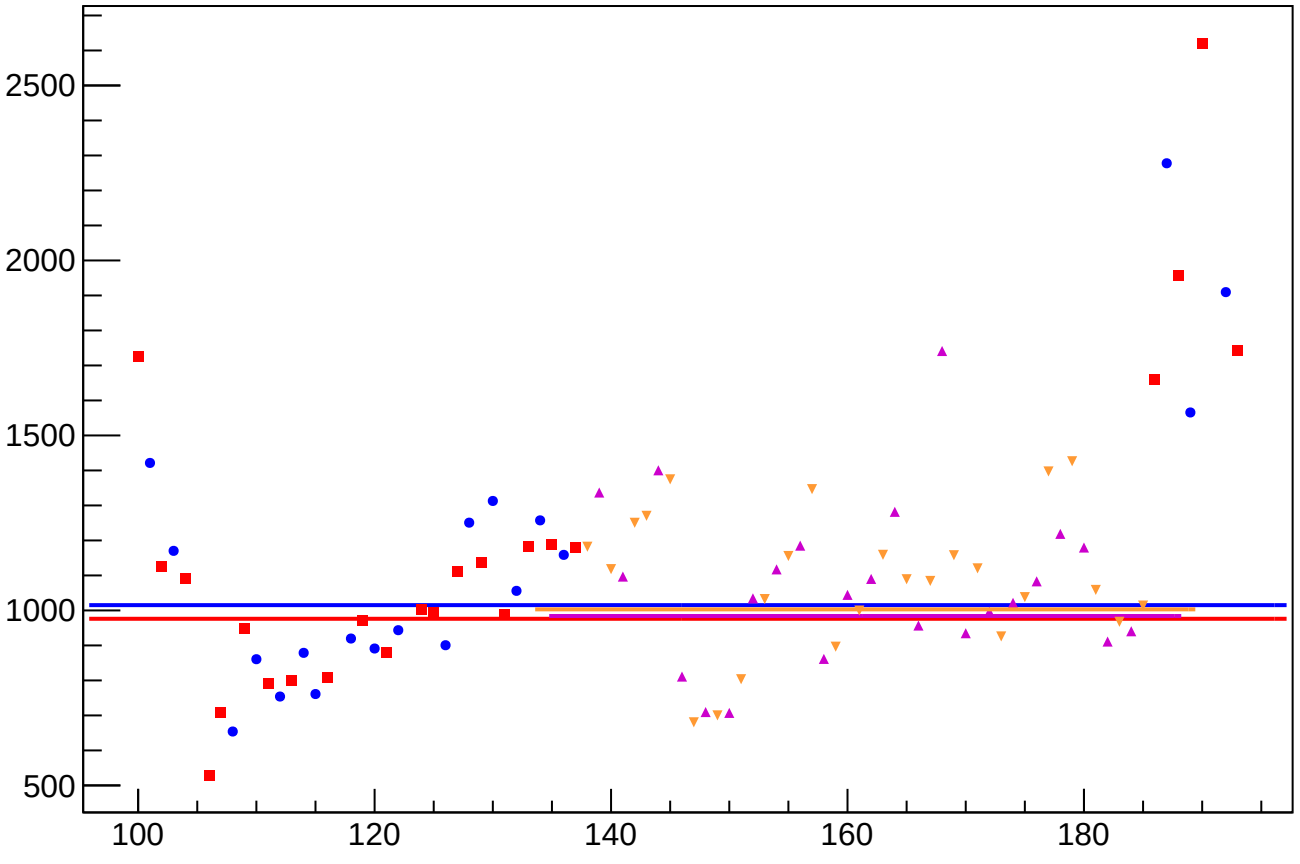
Right Out: 501.852+/-327.654 χ^2/NDF: 25.3/22

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -155.309+/-195.693 χ^2/NDF: 46.6/43

All: 26.568+/-136.816 χ^2/NDF: 87.6/89

- sign 200.470+/-191.355 χ^2/NDF: 39.3/45



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: 976.144+/-0.232 χ^2/NDF: 1992422.8/22

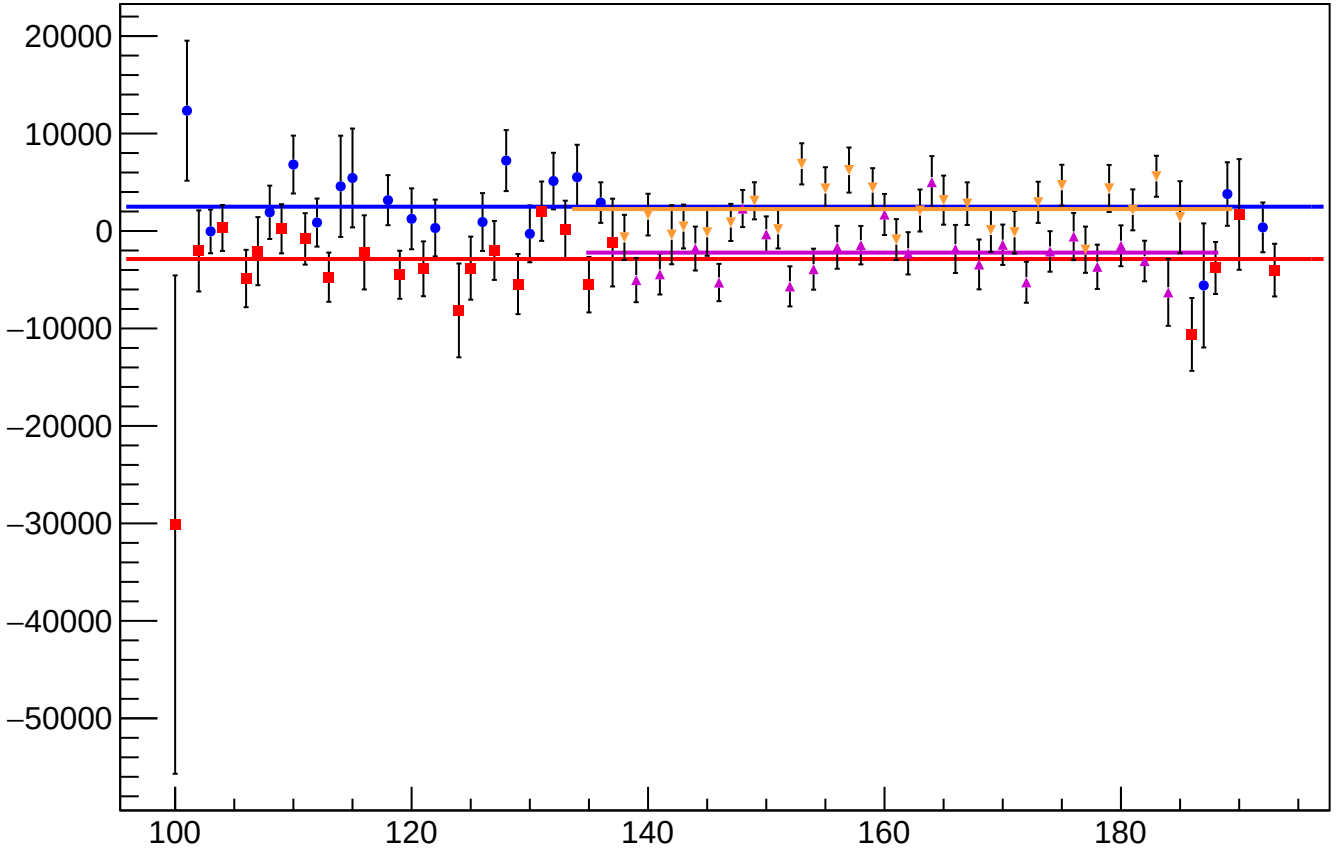
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1006.744+/-0.138 χ^2/NDF: 3001095.0/43

All: 993.766+/-0.097 χ^2/NDF: 6571055.9/89

- sign 981.357+/-0.135 χ^2/NDF: 3552754.7/45

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: -2873.548+/-647.688 χ^2/NDF: 18.7/22

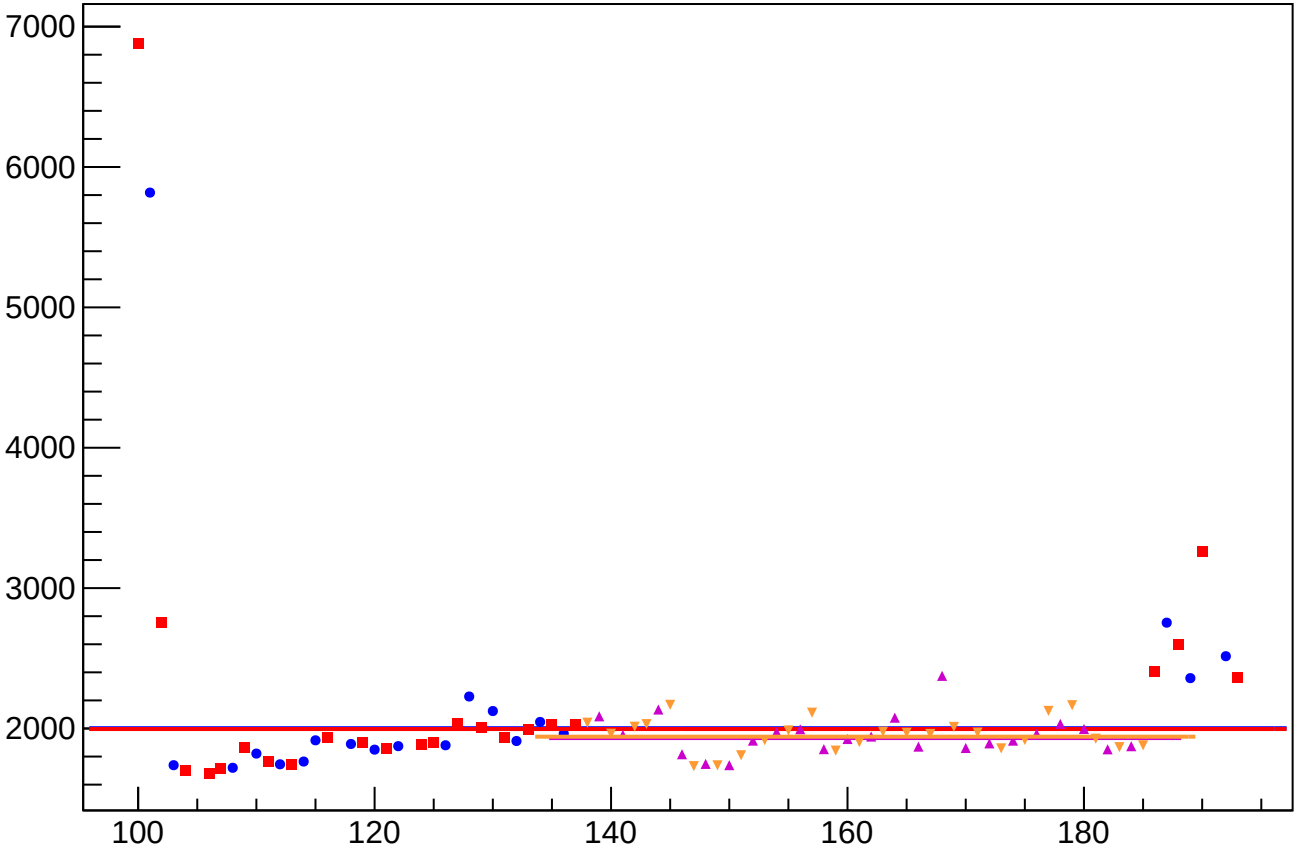
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2323.216+/-371.735 χ^2/NDF: 43.1/43

All: -61.156+/-262.533 χ^2/NDF: 176.1/89

- sign -2433.825+/-370.822 χ^2/NDF: 50.9/45

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

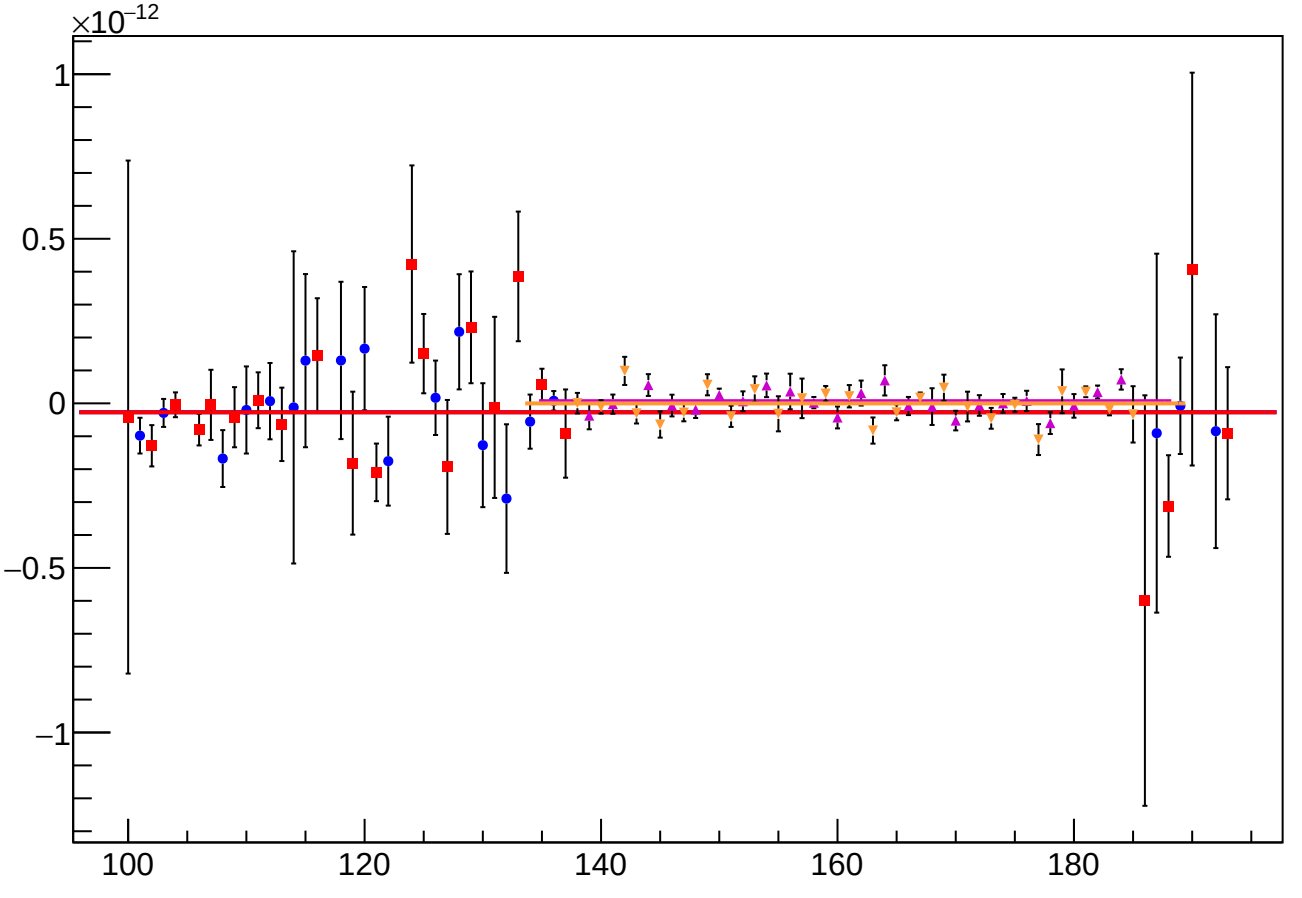
Right Out: 1996.053+/-0.458 χ^2/NDF: 524801.8/22

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 1959.289+/-0.263 χ^2/NDF: 962255.9/43

All: 1956.071+/-0.186 χ^2/NDF: 1660459.3/89

- sign 1952.870+/-0.262 χ^2/NDF: 697904.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

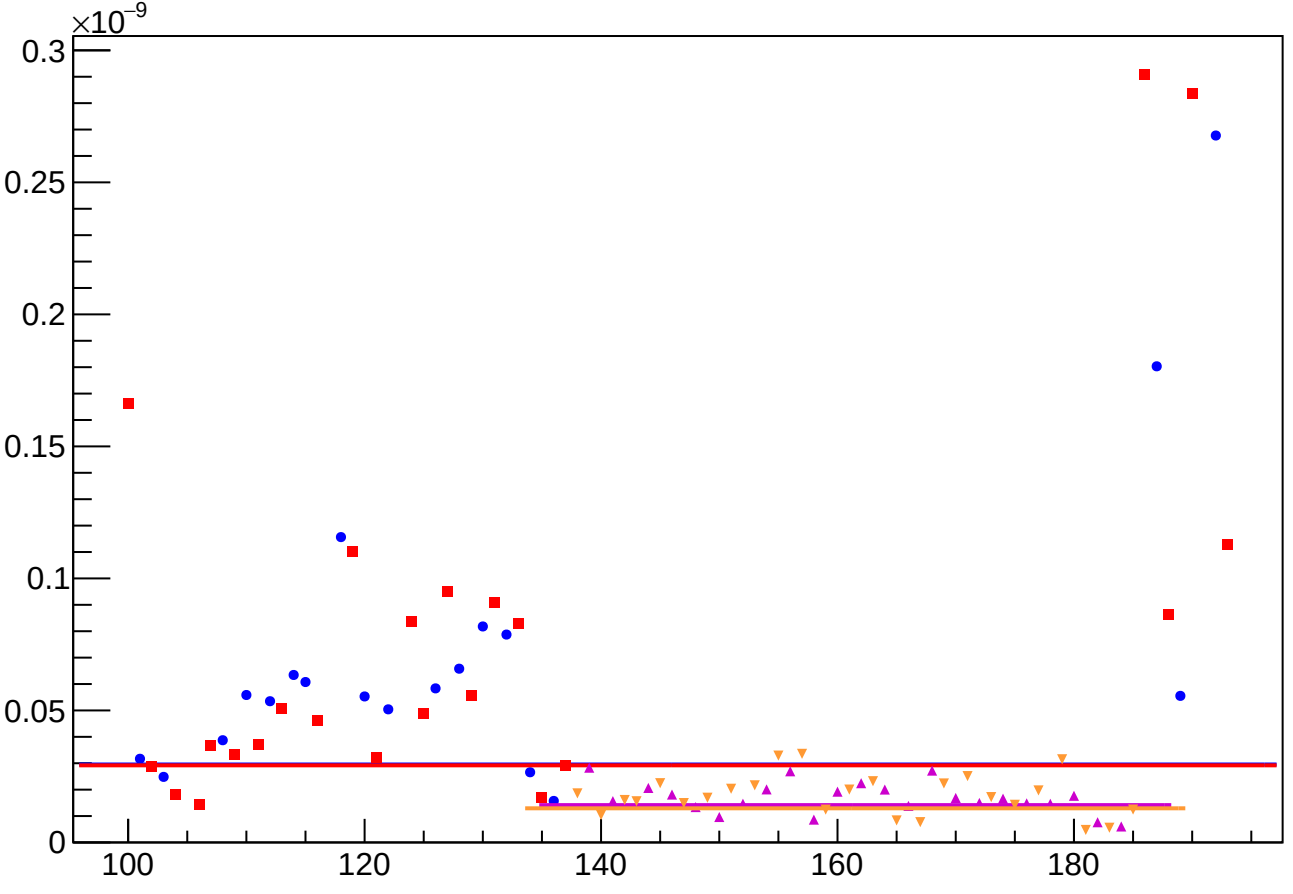
Right Out: -0.000+/-0.000 χ^2/NDF: 30.4/22

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: 116.2/89

- sign 0.000+/-0.000 χ^2/NDF: 60.7/45



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: 2917346.0/22

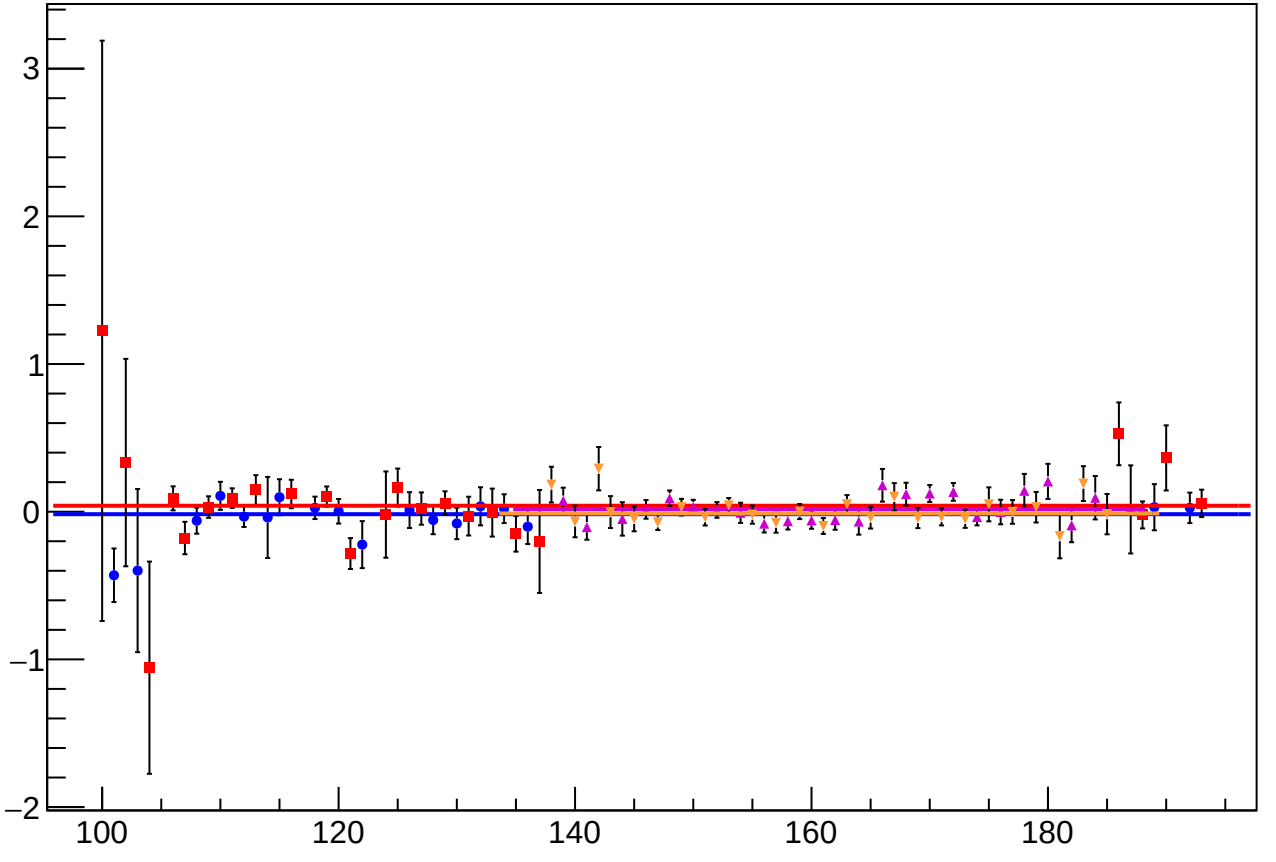
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6847530.9/43

All: 0.000+/-0.000 χ^2/NDF: 12463926.5/89

- sign 0.000+/-0.000 χ^2/NDF: 5567633.6/45

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: 0.040+/-0.023 χ^2/NDF: 32.4/22

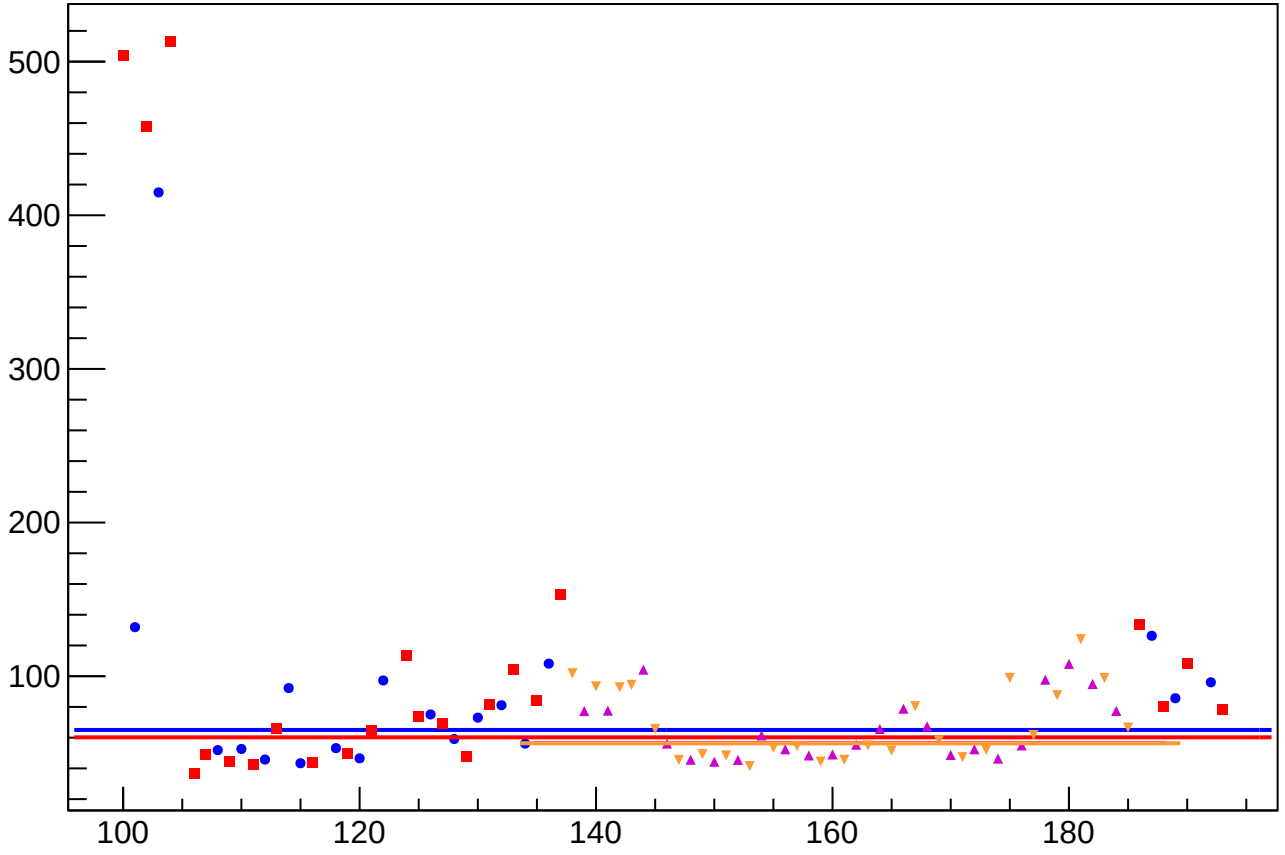
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.013+/-0.012 χ^2/NDF: 34.2/43

All: 0.006+/-0.009 χ^2/NDF: 102.3/89

- sign 0.024+/-0.012 χ^2/NDF: 63.7/45

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

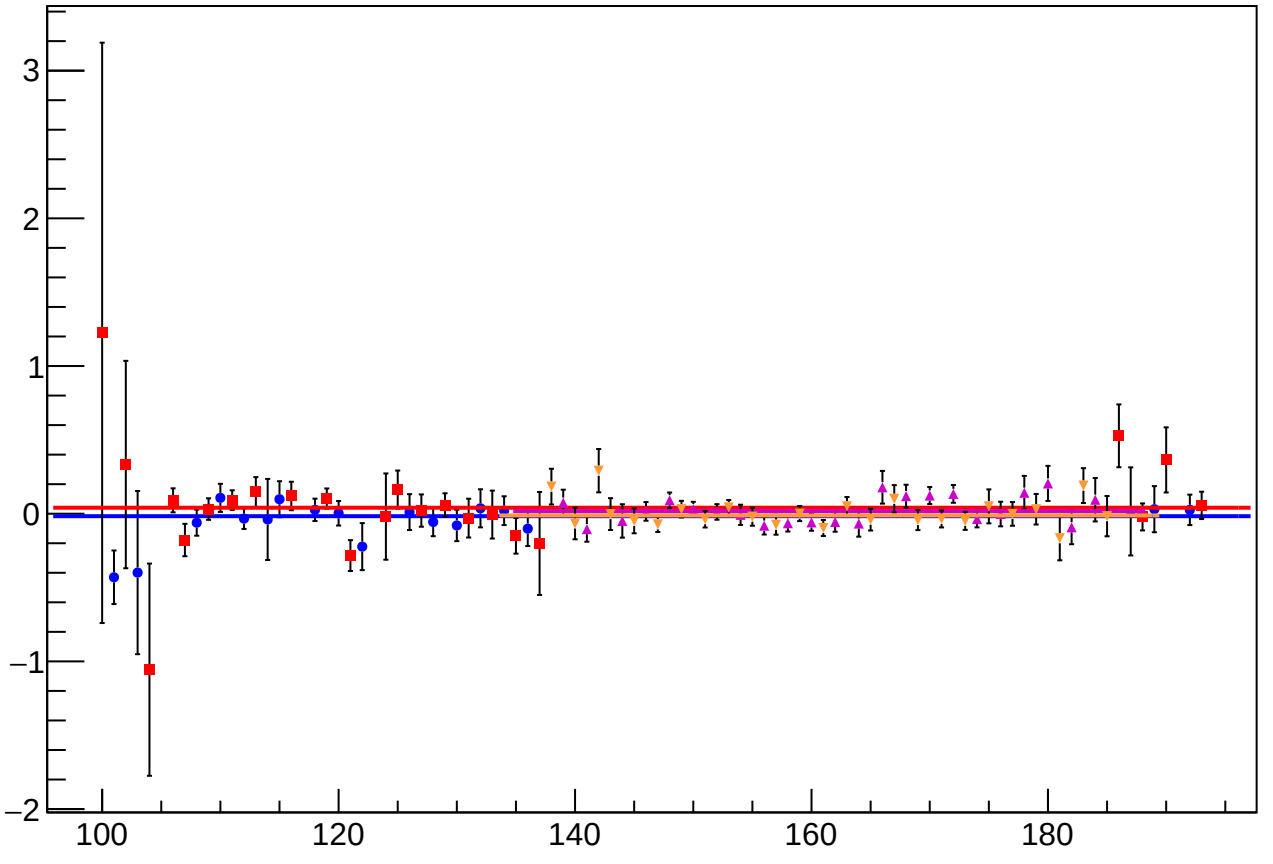
Right Out: 60.217+/-0.016 χ^2/NDF: 3164275.0/22

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 58.472+/-0.009 χ^2/NDF: 5240681.2/43

All: 58.002+/-0.006 χ^2/NDF: 10589304.9/89

- sign 57.549+/-0.009 χ^2/NDF: 5343032.9/45



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: 0.040+/-0.023 χ^2/NDF: 32.4/22

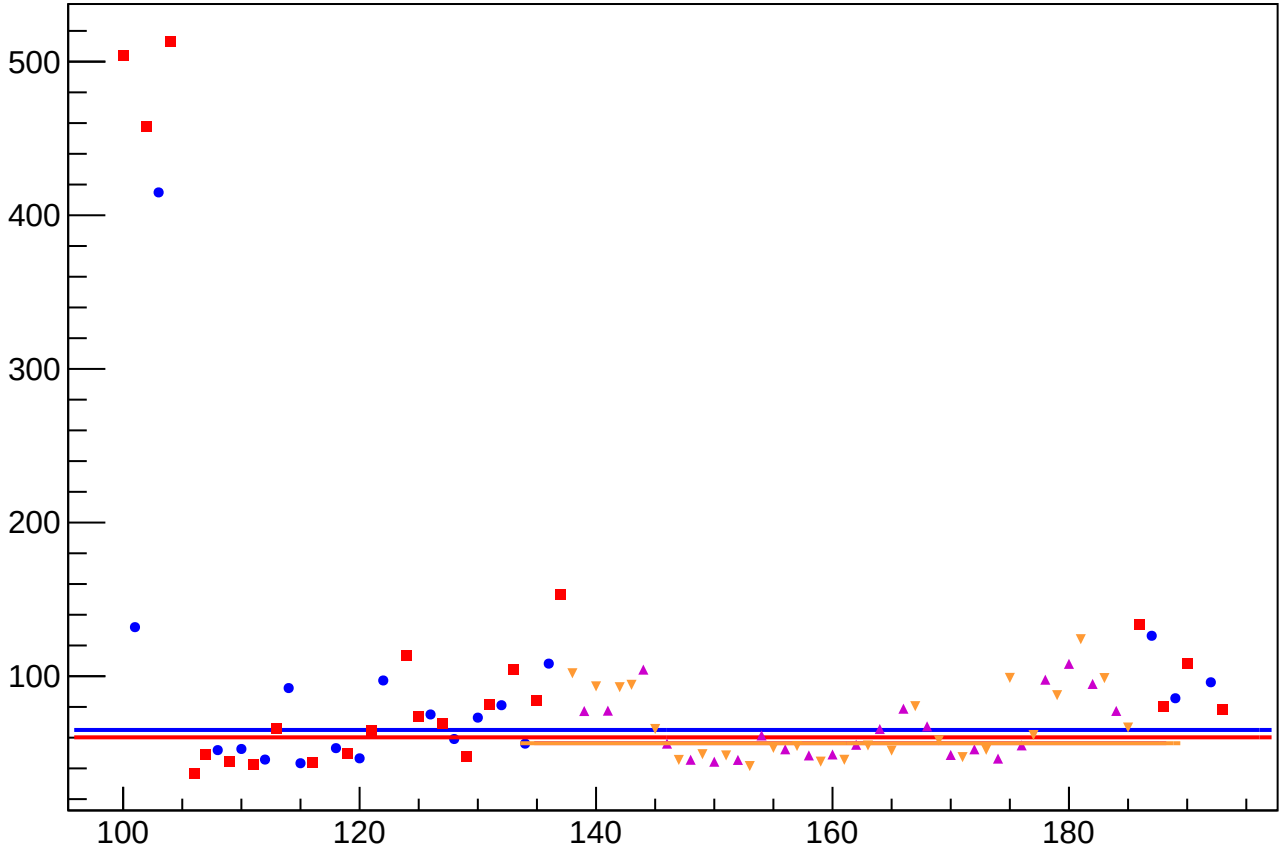
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.013+/-0.012 χ^2/NDF: 34.2/43

All: 0.006+/-0.009 χ^2/NDF: 102.3/89

- sign 0.024+/-0.012 χ^2/NDF: 63.7/45

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

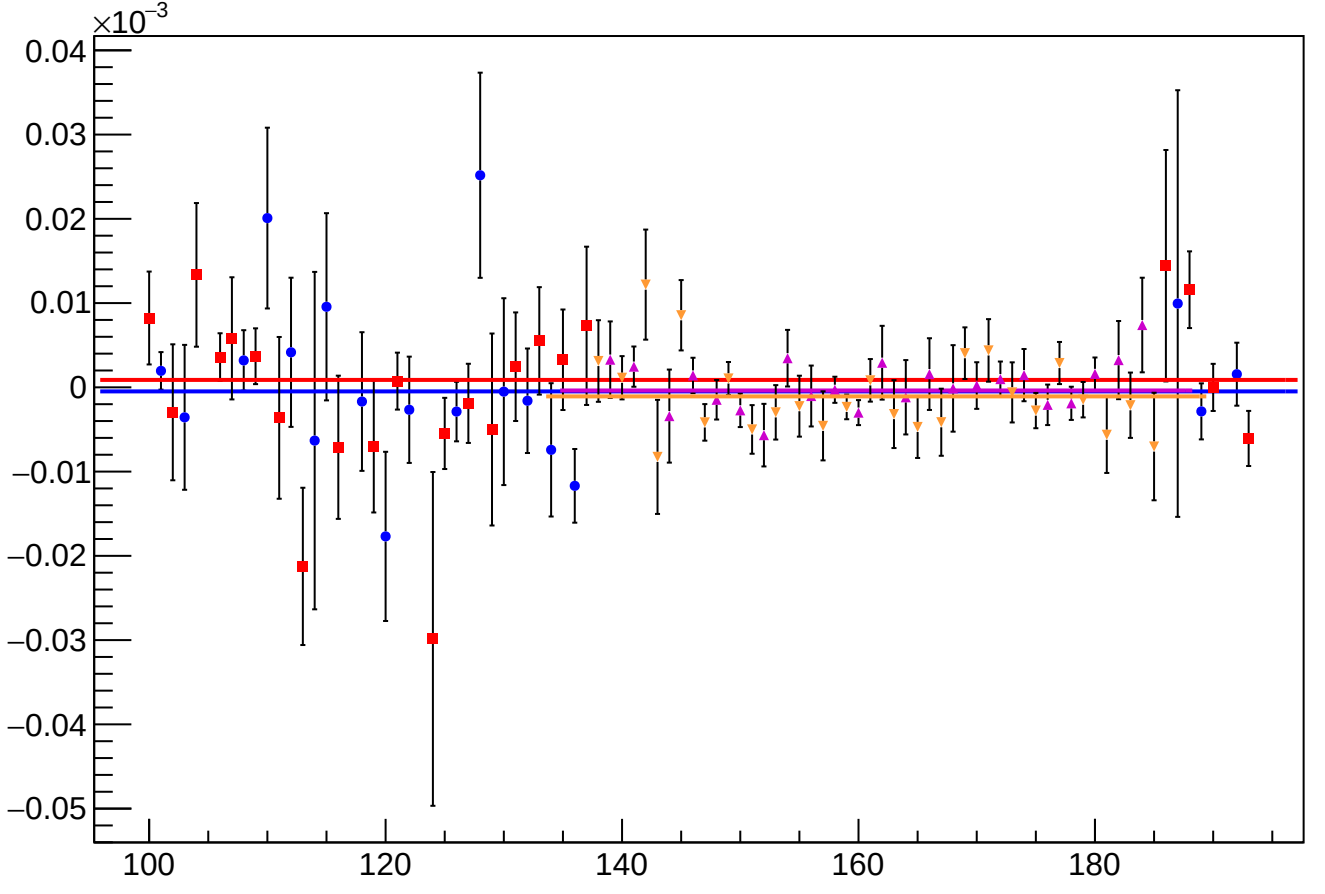
Right Out: 60.217+/-0.016 χ^2/NDF: 3164275.0/22

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 58.472+/-0.009 χ^2/NDF: 5240681.2/43

All: 58.002+/-0.006 χ^2/NDF: 10589304.9/89

- sign 57.549+/-0.009 χ^2/NDF: 5343032.9/45



Right In: -0.000+/-0.000 χ^2/NDF: 23.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

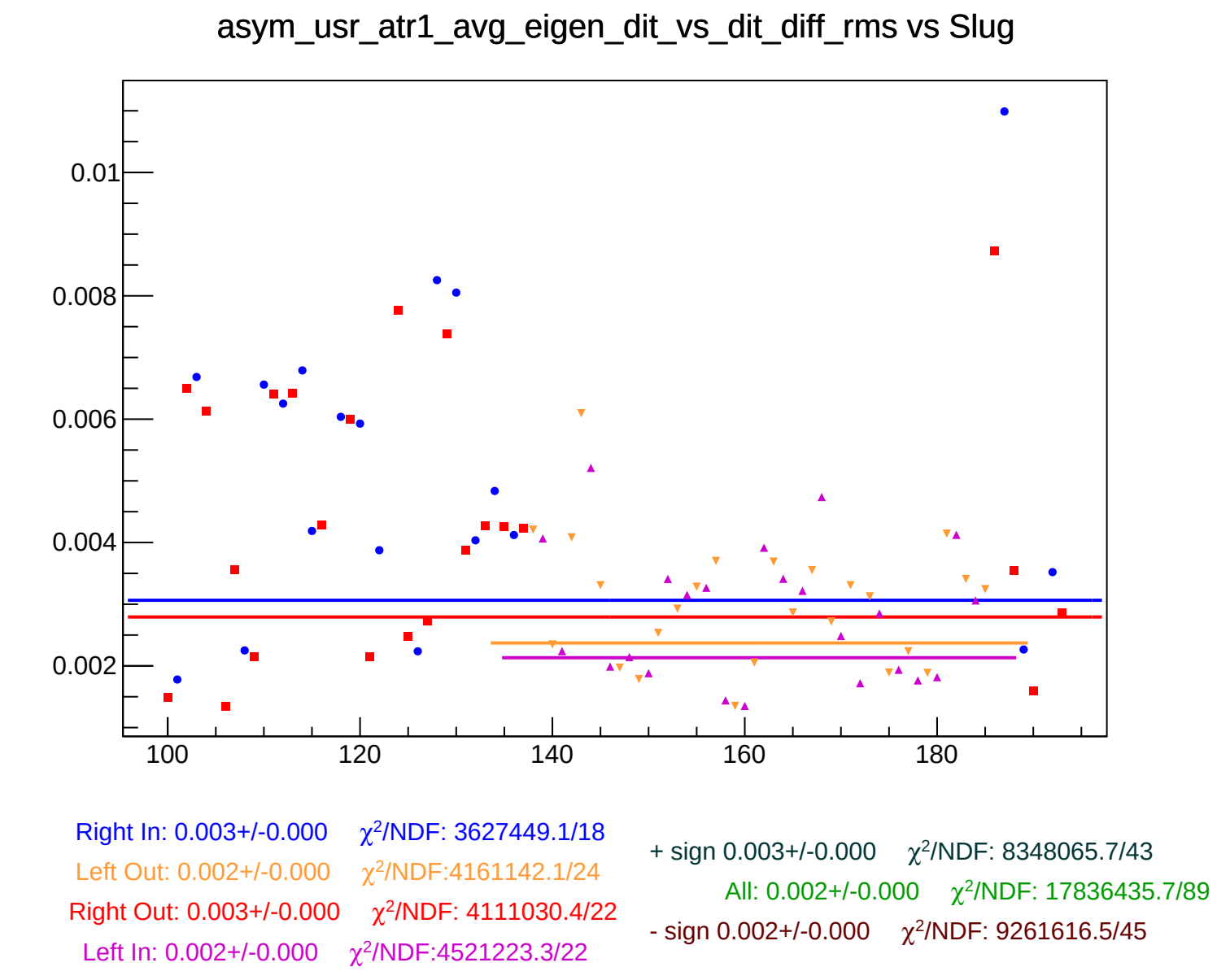
Right Out: 0.000+/-0.000 χ^2/NDF: 31.6/22

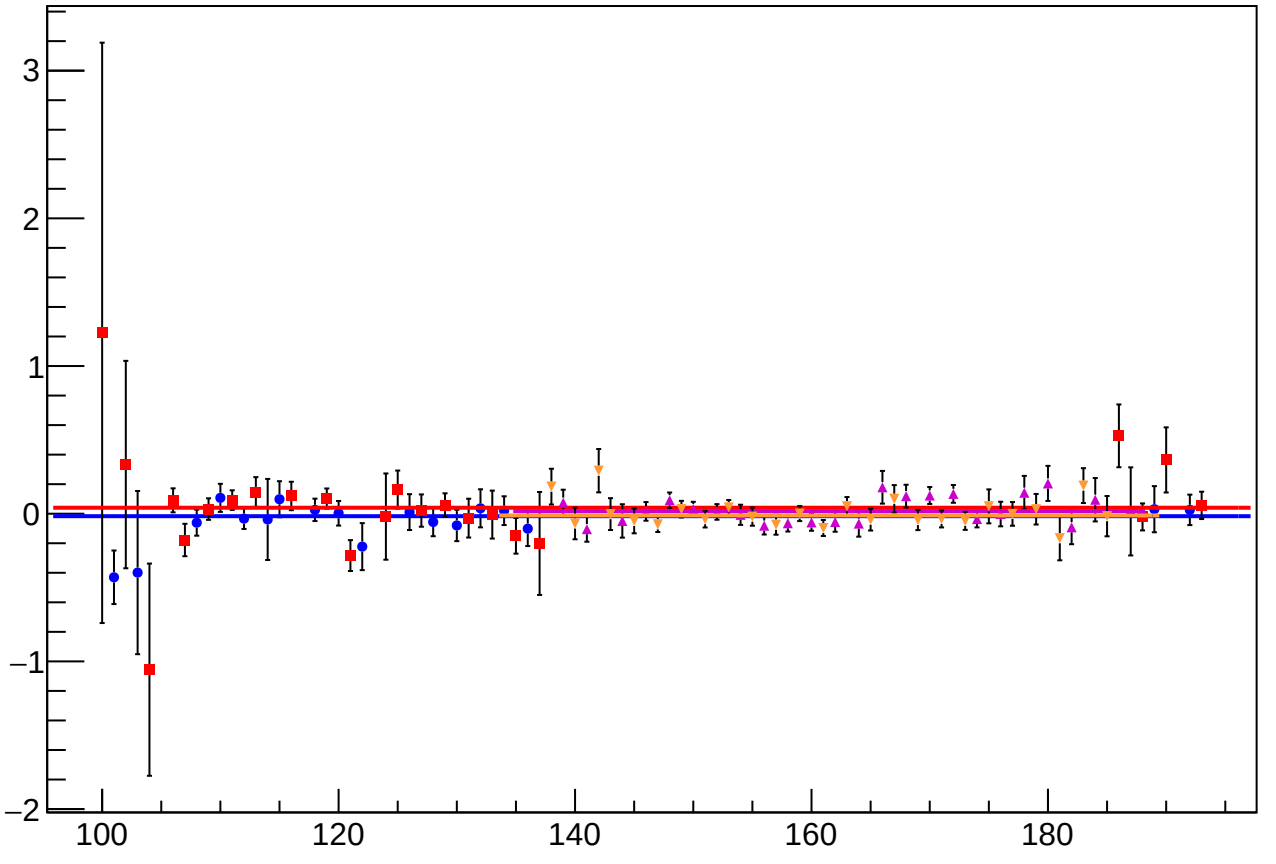
Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.3/43

All: -0.000+/-0.000 χ^2/NDF: 107.0/89

- sign -0.000+/-0.000 χ^2/NDF: 50.2/45


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
Right In: 0.003+/-0.000 χ²/NDF: 3627449.1/18
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 4111030.4/22
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
+ sign 0.003+/-0.000 χ²/NDF: 8348065.7/43
All: 0.002+/-0.000 χ²/NDF: 17836435.7/89
- sign 0.002+/-0.000 χ²/NDF: 9261616.5/45



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: 0.040+/-0.023 χ^2/NDF: 32.4/22

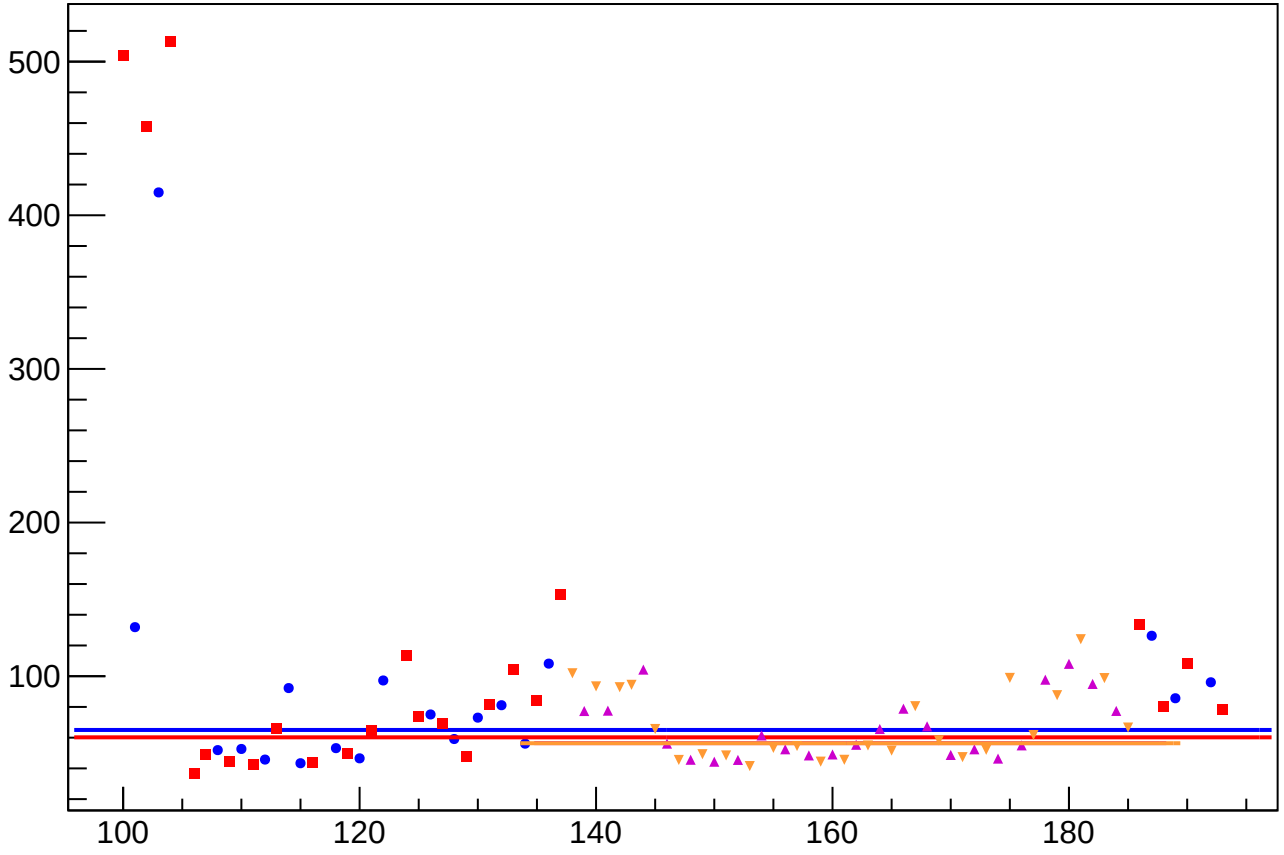
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.013+/-0.012 χ^2/NDF: 34.2/43

All: 0.006+/-0.009 χ^2/NDF: 102.3/89

- sign 0.024+/-0.012 χ^2/NDF: 63.7/45

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

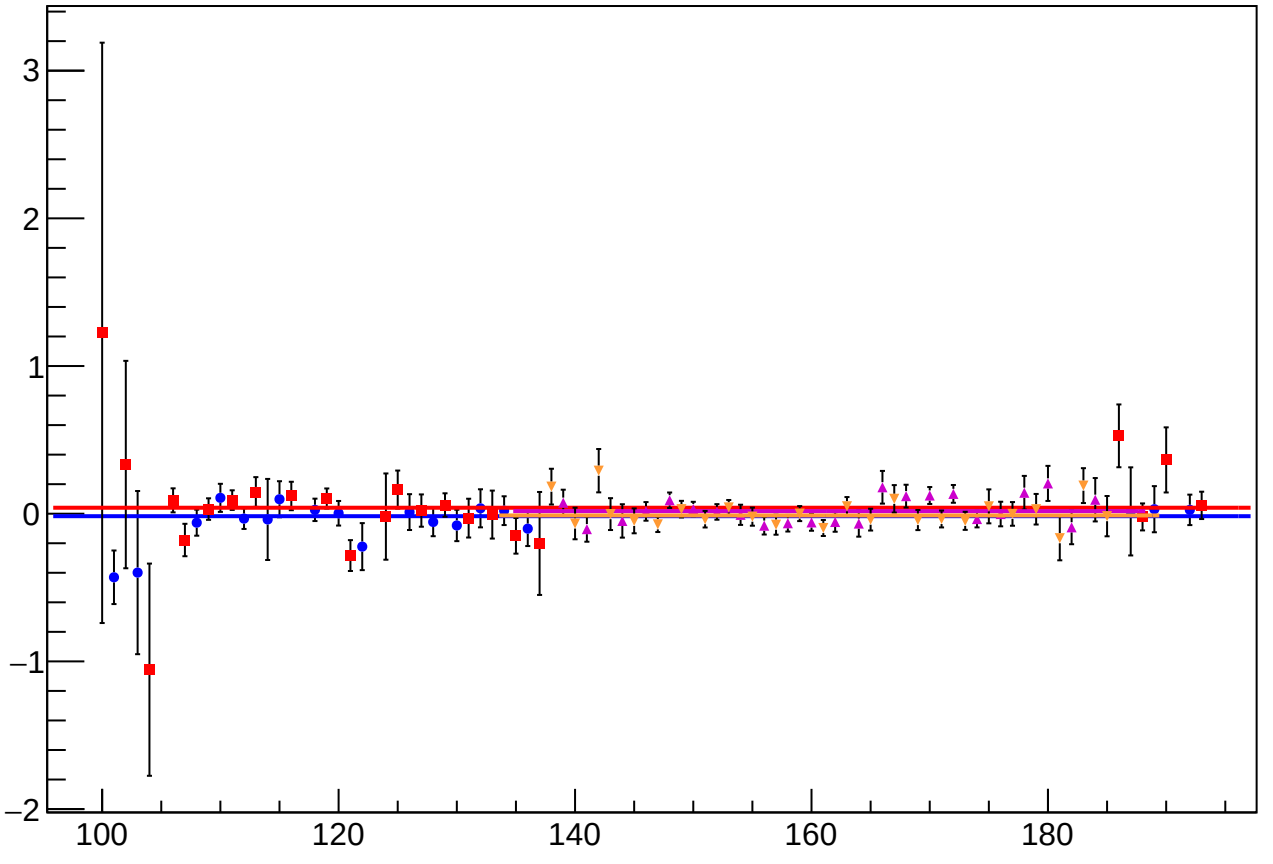
Right Out: 60.216+/-0.016 χ^2/NDF: 3164283.7/22

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 58.472+/-0.009 χ^2/NDF: 5240694.3/43

All: 58.002+/-0.006 χ^2/NDF: 10589295.5/89

- sign 57.549+/-0.009 χ^2/NDF: 5343008.6/45



Right In: -0.017+/-0.025 χ^2/NDF: 12.3/18

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

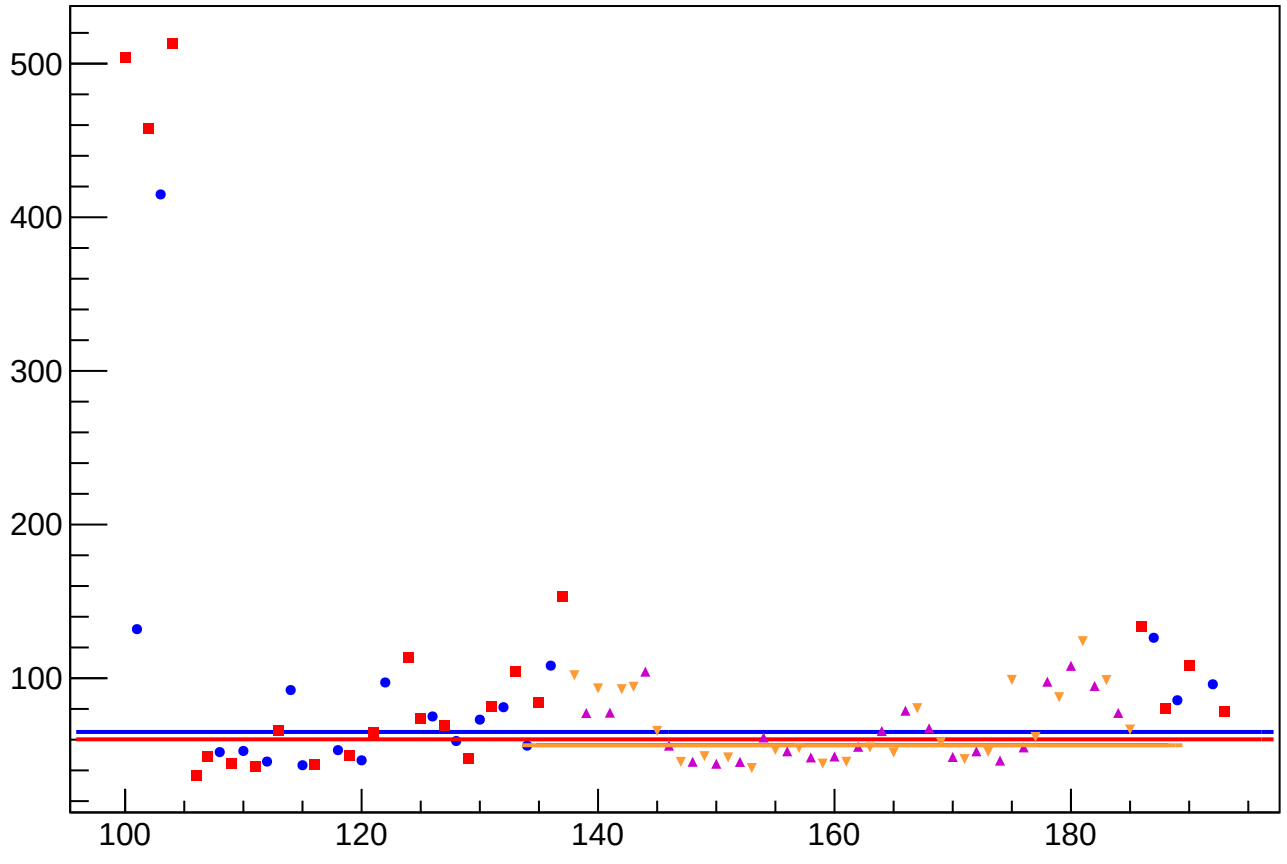
Right Out: 0.040+/-0.023 χ^2/NDF: 32.4/22

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.013+/-0.012 χ^2/NDF: 34.2/43

All: 0.006+/-0.009 χ^2/NDF: 102.3/89

- sign 0.024+/-0.012 χ^2/NDF: 63.7/45



Right In: 65.016+/-0.018 χ^2/NDF: 2266379.8/18

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

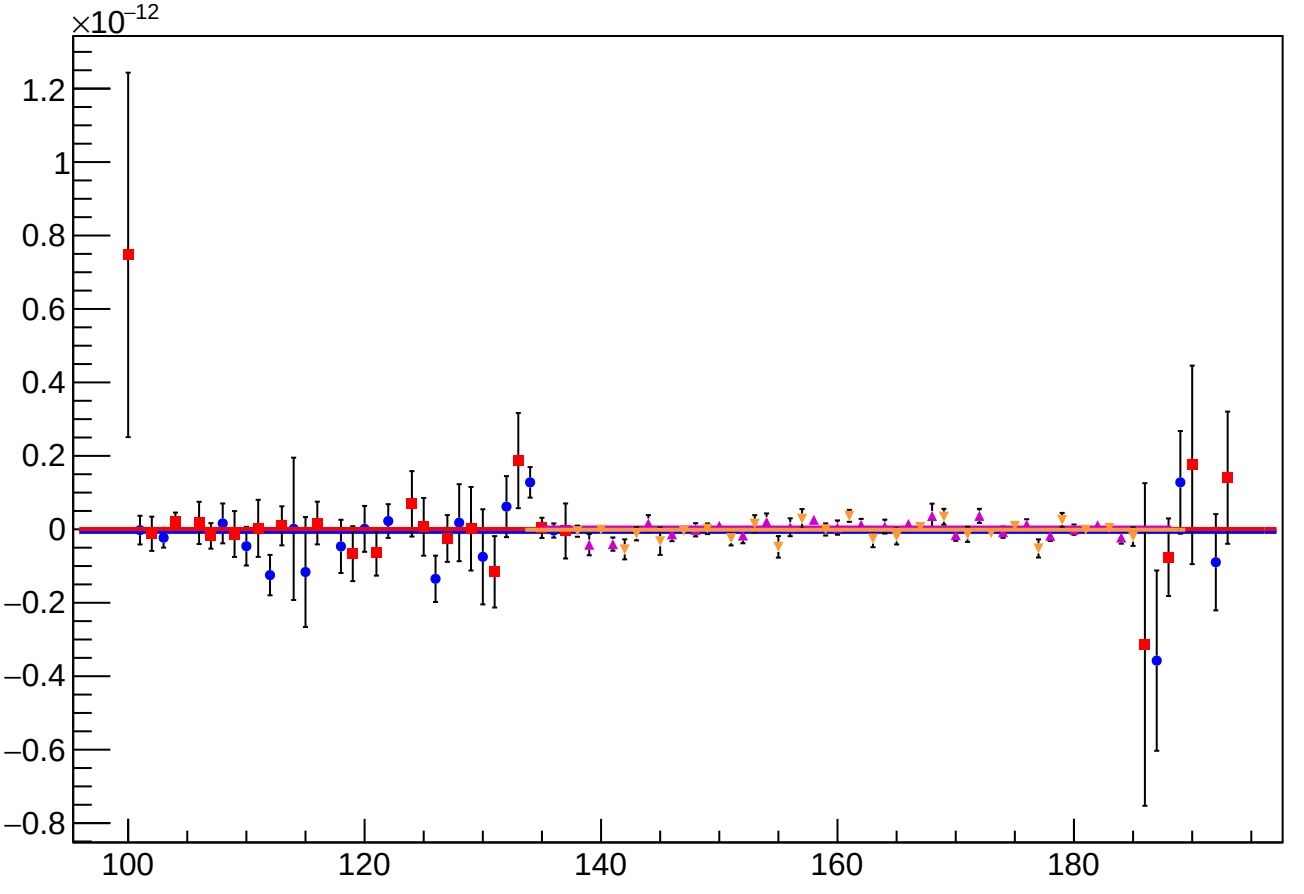
Right Out: 60.216+/-0.016 χ^2/NDF: 3164283.7/22

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 58.472+/-0.009 χ^2/NDF: 5240694.3/43

All: 58.002+/-0.006 χ^2/NDF: 10589295.5/89

- sign 57.549+/-0.009 χ^2/NDF: 5343008.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

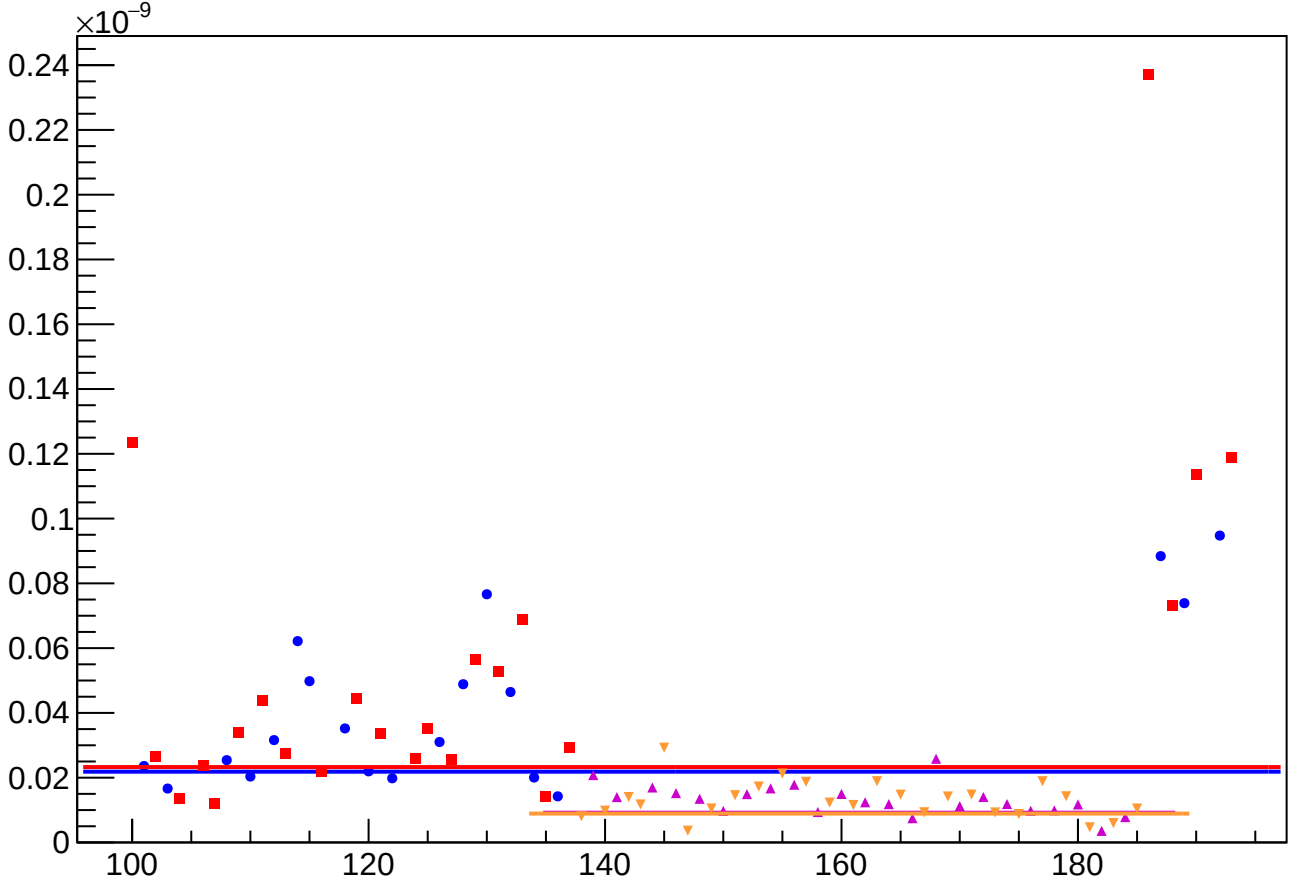
Right Out: 0.000+/-0.000 χ^2/NDF: 11.8/22

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: 98.5/89

- sign 0.000+/-0.000 χ^2/NDF: 40.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 2443524.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3641777.6/22

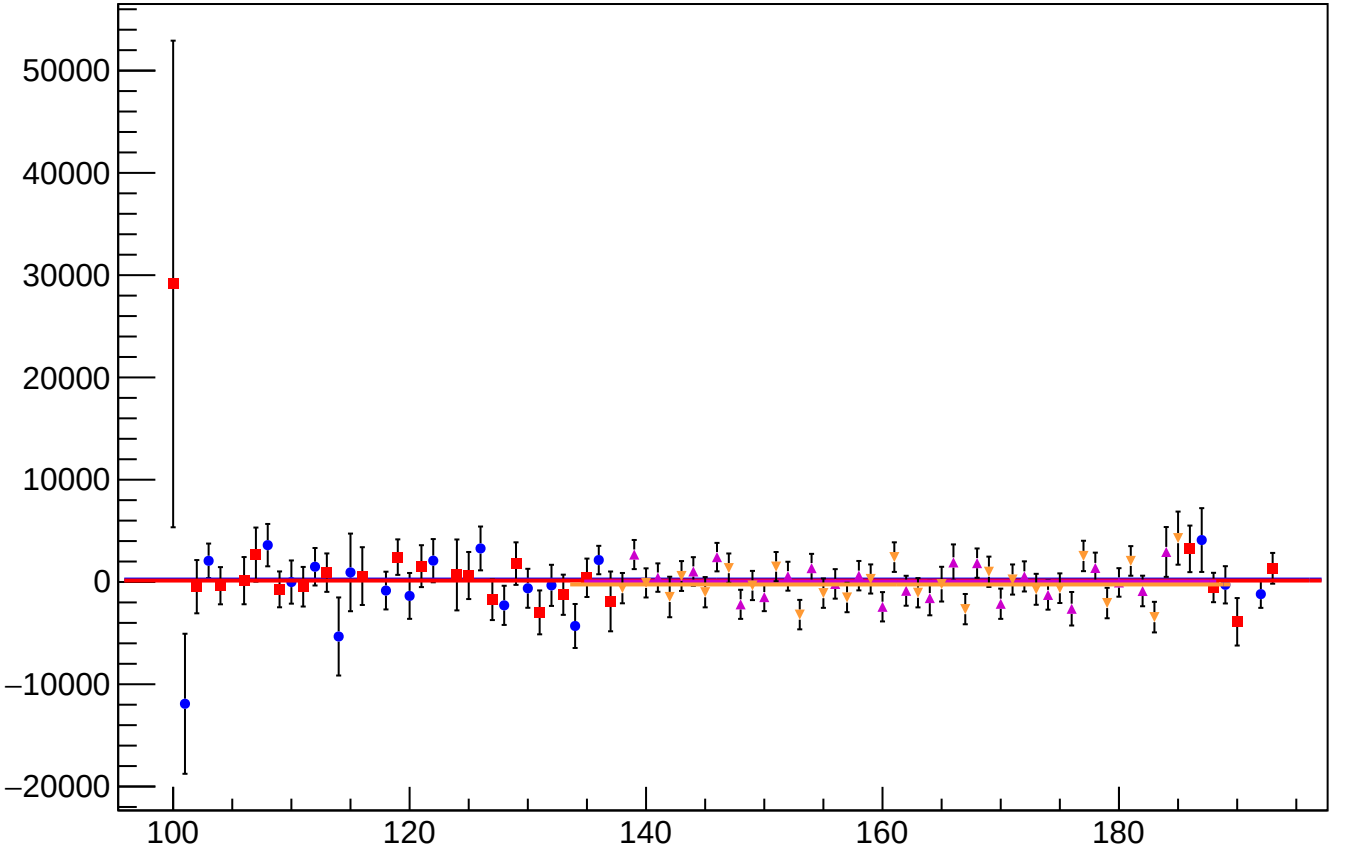
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

\+ sign 0.000+/-0.000 χ^2/NDF: 9998121.9/43

All: 0.000+/-0.000 χ^2/NDF: 21416325.7/89

\- sign 0.000+/-0.000 χ^2/NDF: 11406641.2/45

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: 140.202+/-434.803 χ^2/NDF: 15.7/22

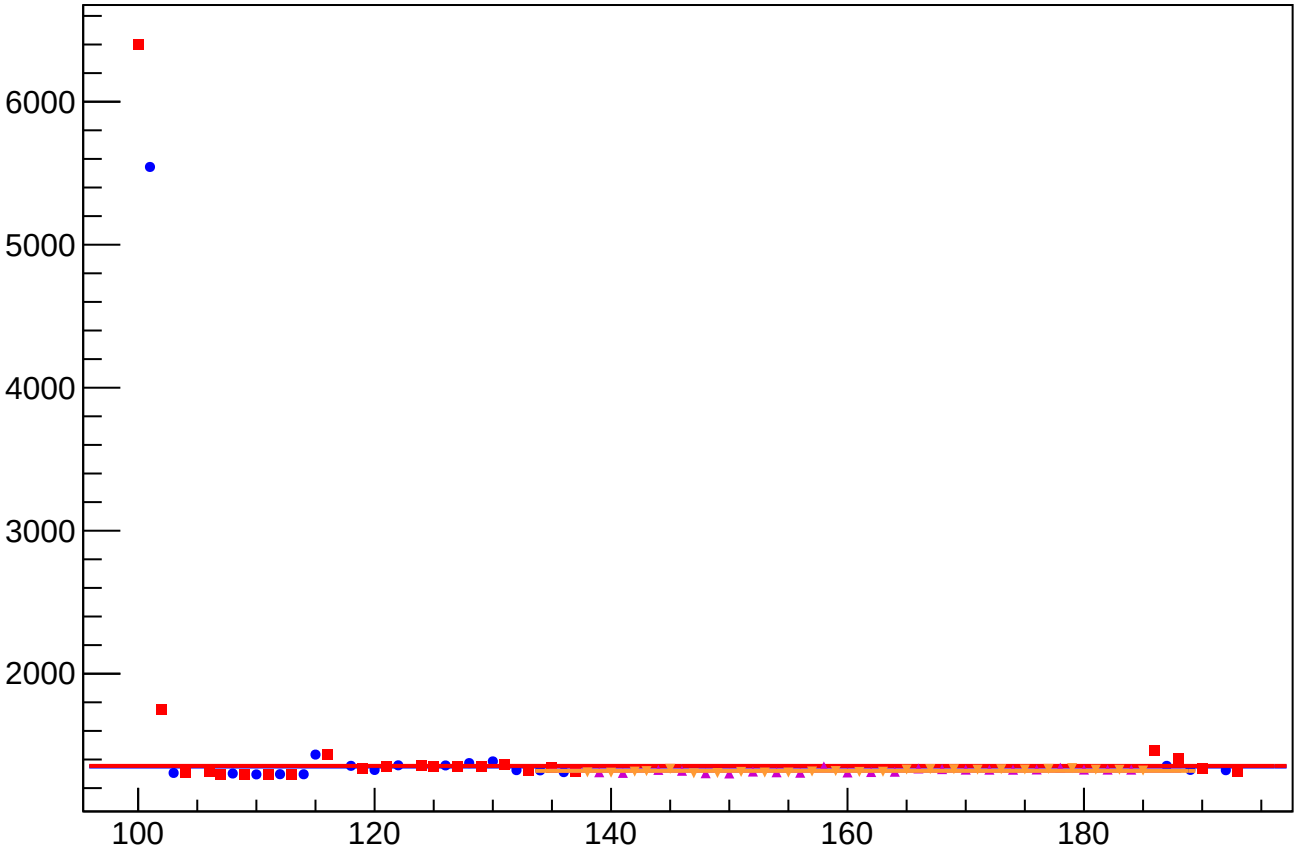
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -99.505+/-251.597 χ^2/NDF: 56.8/43

All: -13.284+/-177.931 χ^2/NDF: 99.9/89

- sign 72.986+/-251.669 χ^2/NDF: 42.8/45

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: 1355.348+/-0.307 χ^2/NDF: 156184.7/22

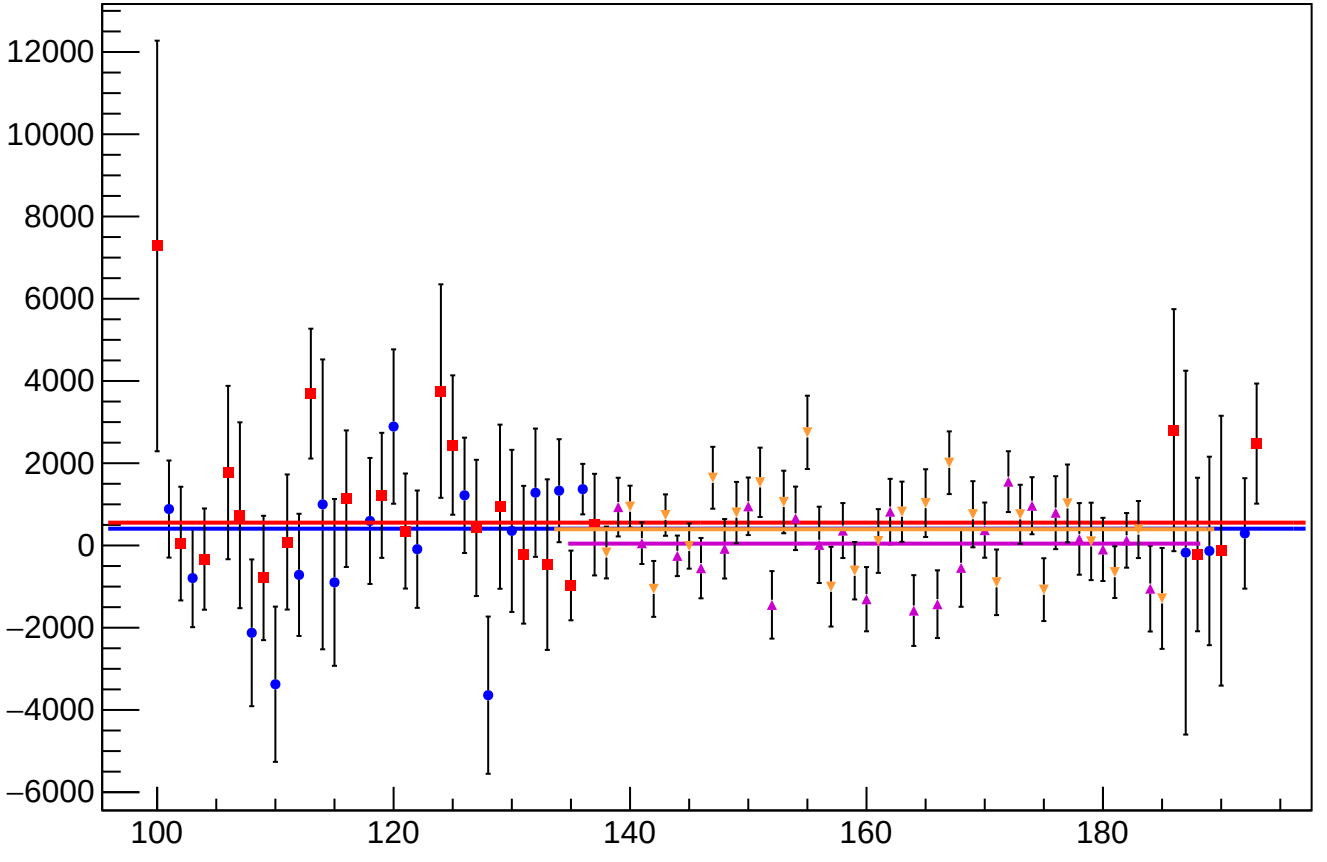
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.670+/-0.178 χ^2/NDF: 770132.5/43

All: 1331.348+/-0.126 χ^2/NDF: 937974.5/89

- sign 1333.028+/-0.178 χ^2/NDF: 167663.9/45

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: 555.200+/-335.717 χ^2/NDF: 17.0/22

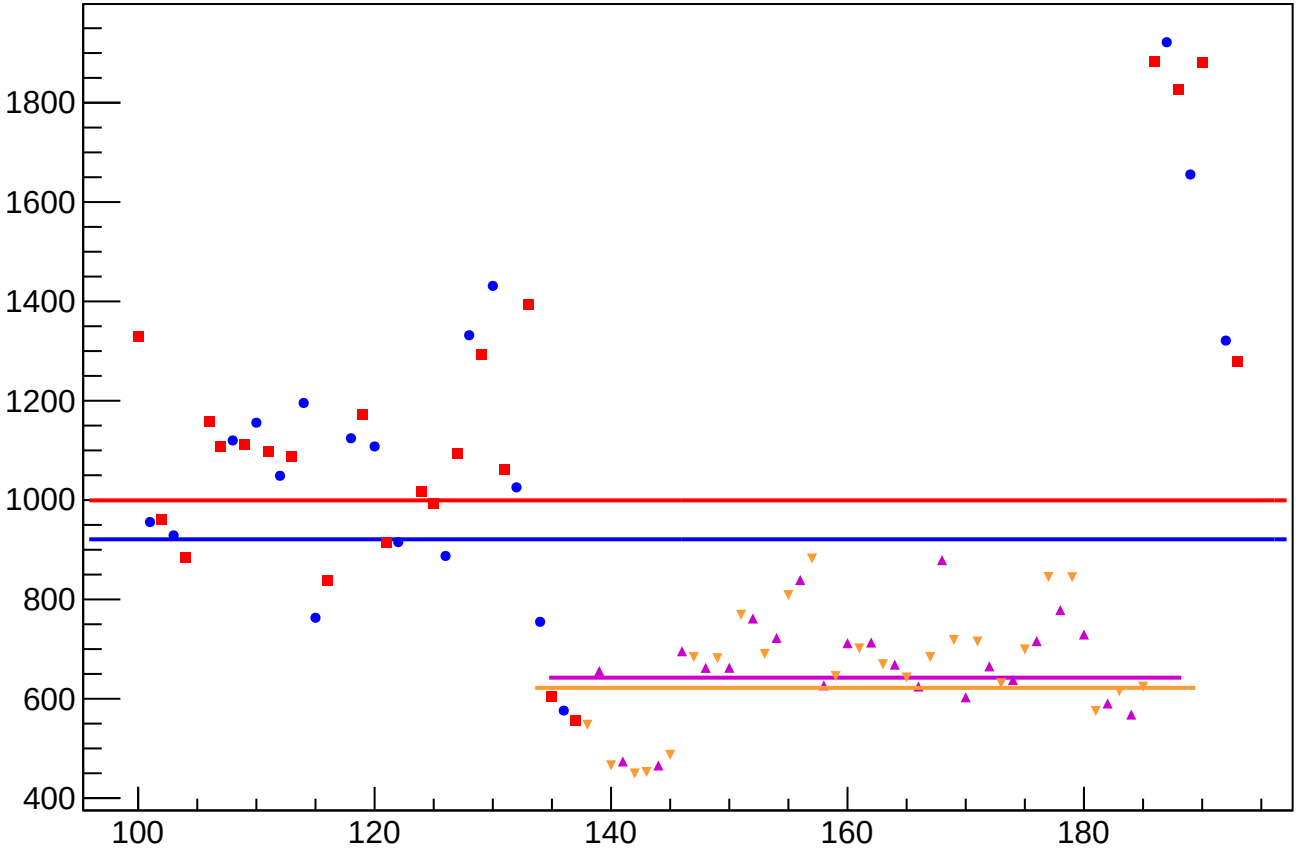
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 396.758+/-132.018 χ^2/NDF: 60.2/43

All: 270.894+/-95.632 χ^2/NDF: 108.6/89

- sign 131.926+/-138.720 χ^2/NDF: 46.5/45

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: 999.430+/-0.237 χ^2/NDF: 1727262.8/22

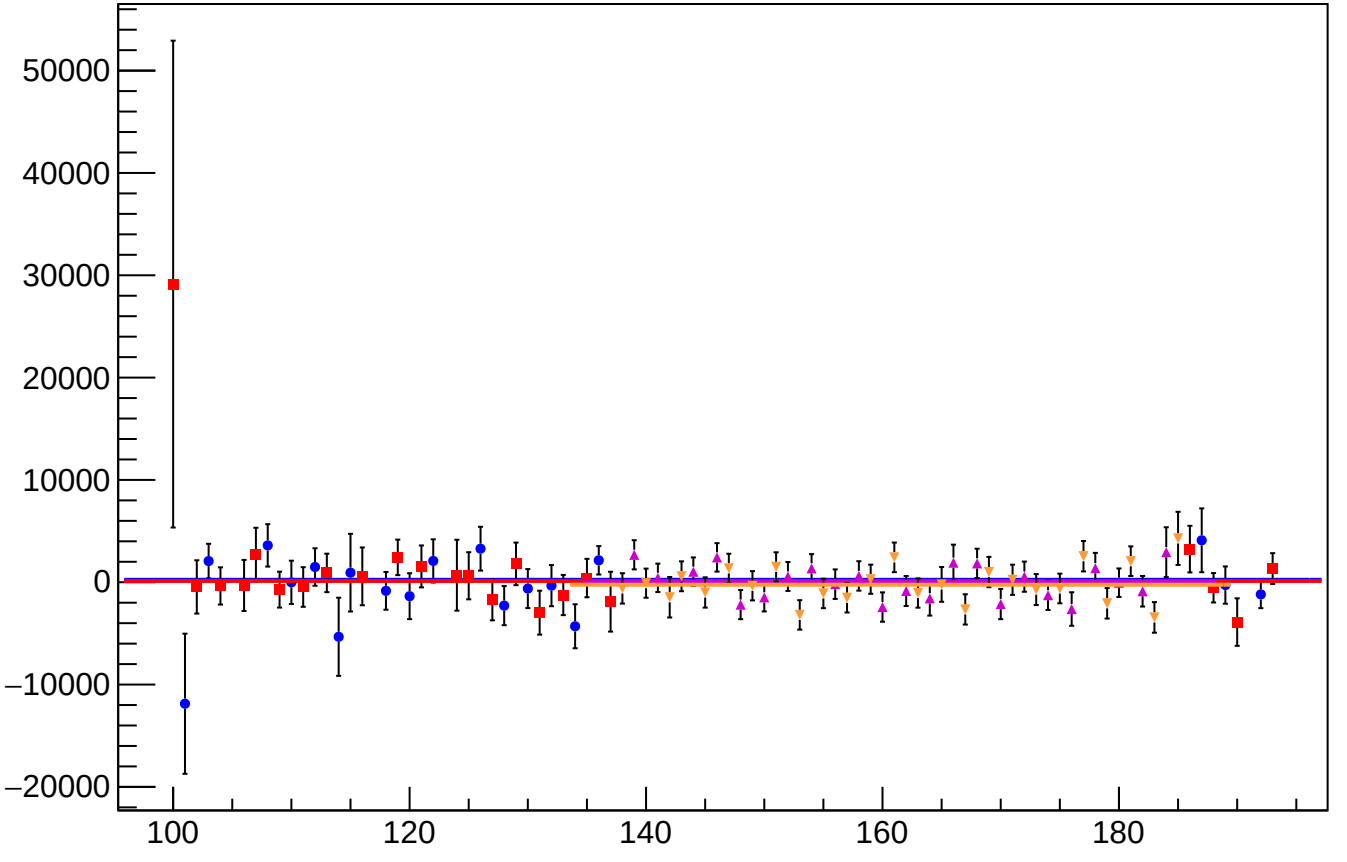
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 671.600+/-0.093 χ^2/NDF: 4343697.1/43

All: 686.721+/-0.068 χ^2/NDF: 8927554.4/89

- sign 703.417+/-0.098 χ^2/NDF: 4528649.0/45

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: 126.979+/-435.919 χ^2/NDF: 15.7/22

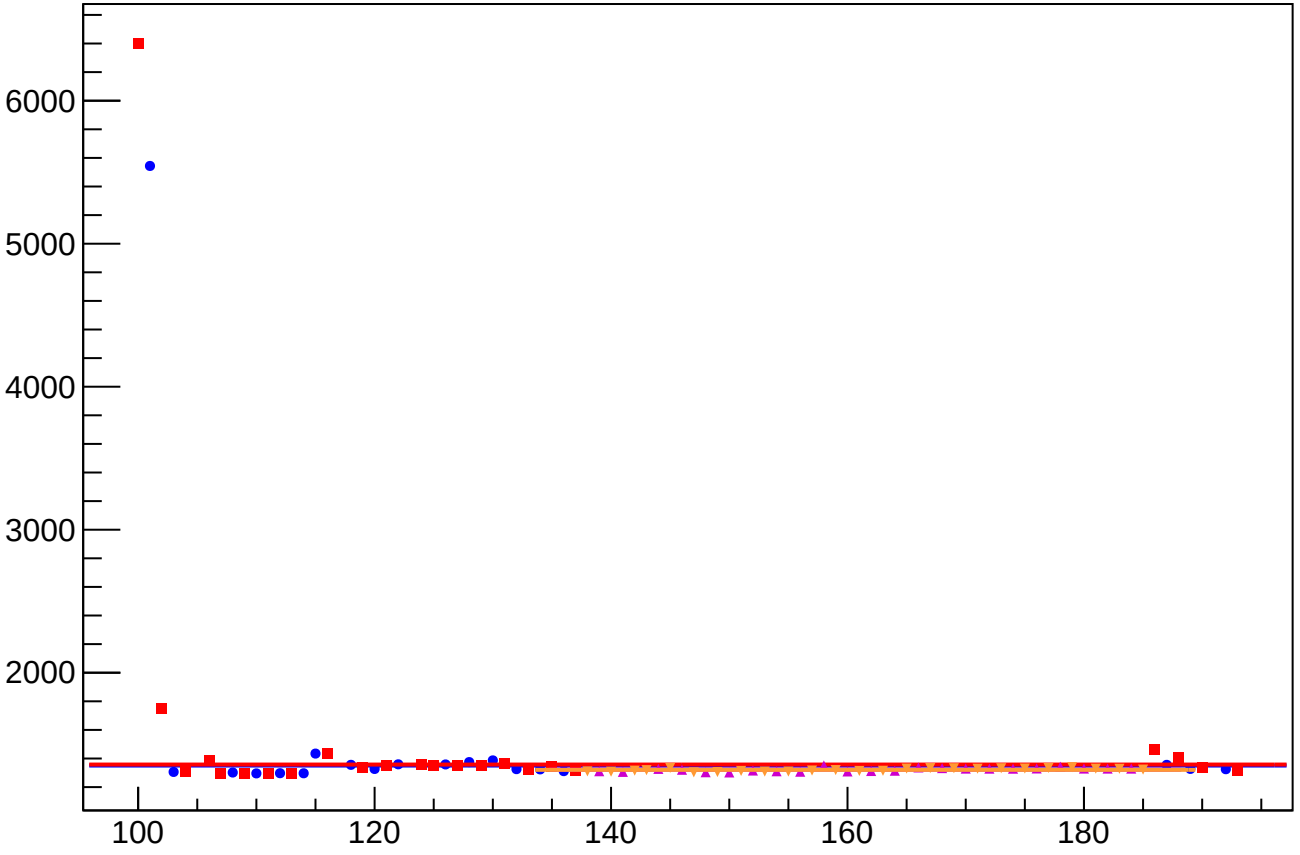
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -99.437+/-251.597 χ^2/NDF: 56.8/43

All: -15.563+/-178.008 χ^2/NDF: 99.9/89

- sign 68.503+/-251.885 χ^2/NDF: 42.9/45

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: 1357.719+/-0.308 χ^2/NDF: 155947.2/22

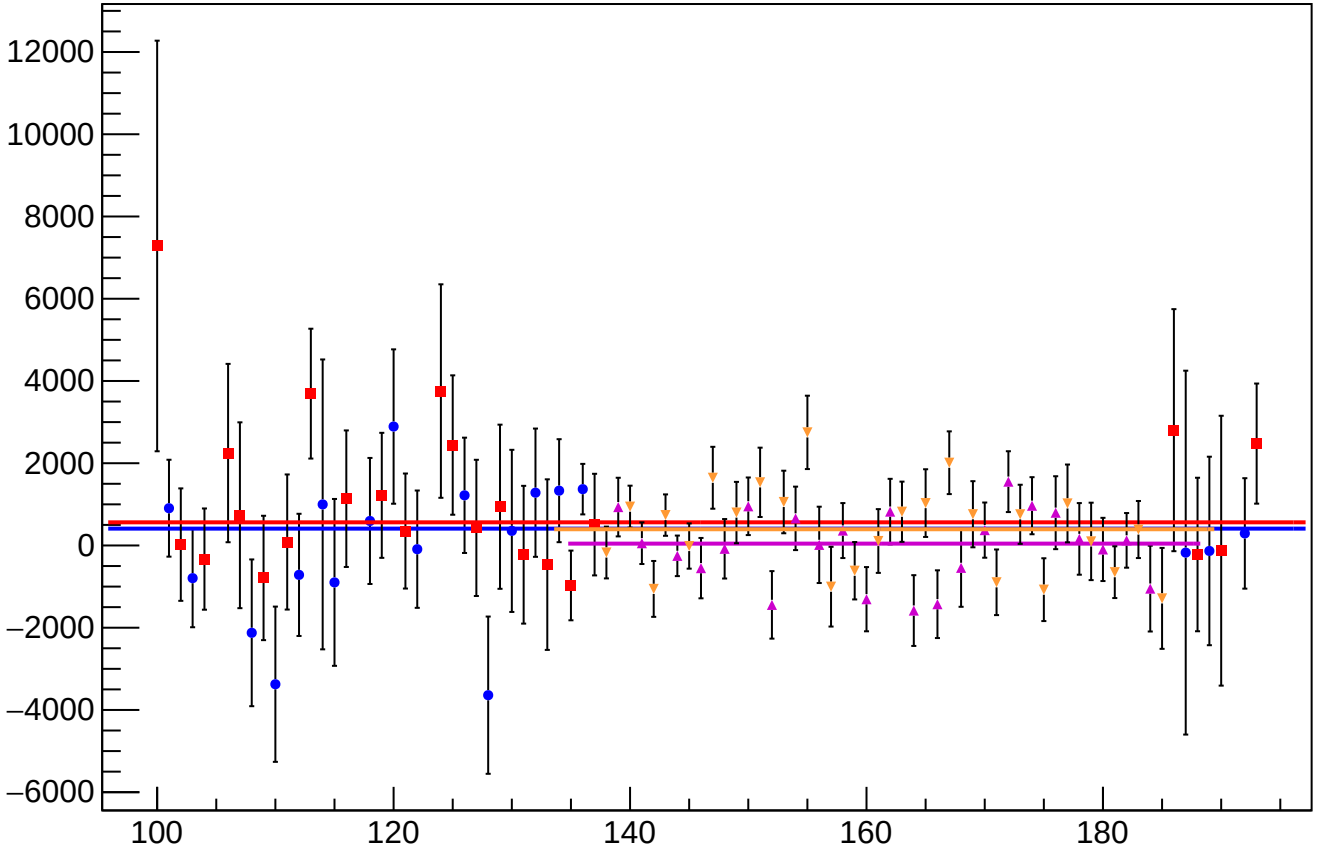
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.670+/-0.178 χ^2/NDF: 770131.6/43

All: 1331.723+/-0.126 χ^2/NDF: 938952.6/89

- sign 1333.781+/-0.178 χ^2/NDF: 168554.3/45

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: 562.767+/-335.721 χ^2/NDF: 17.3/22

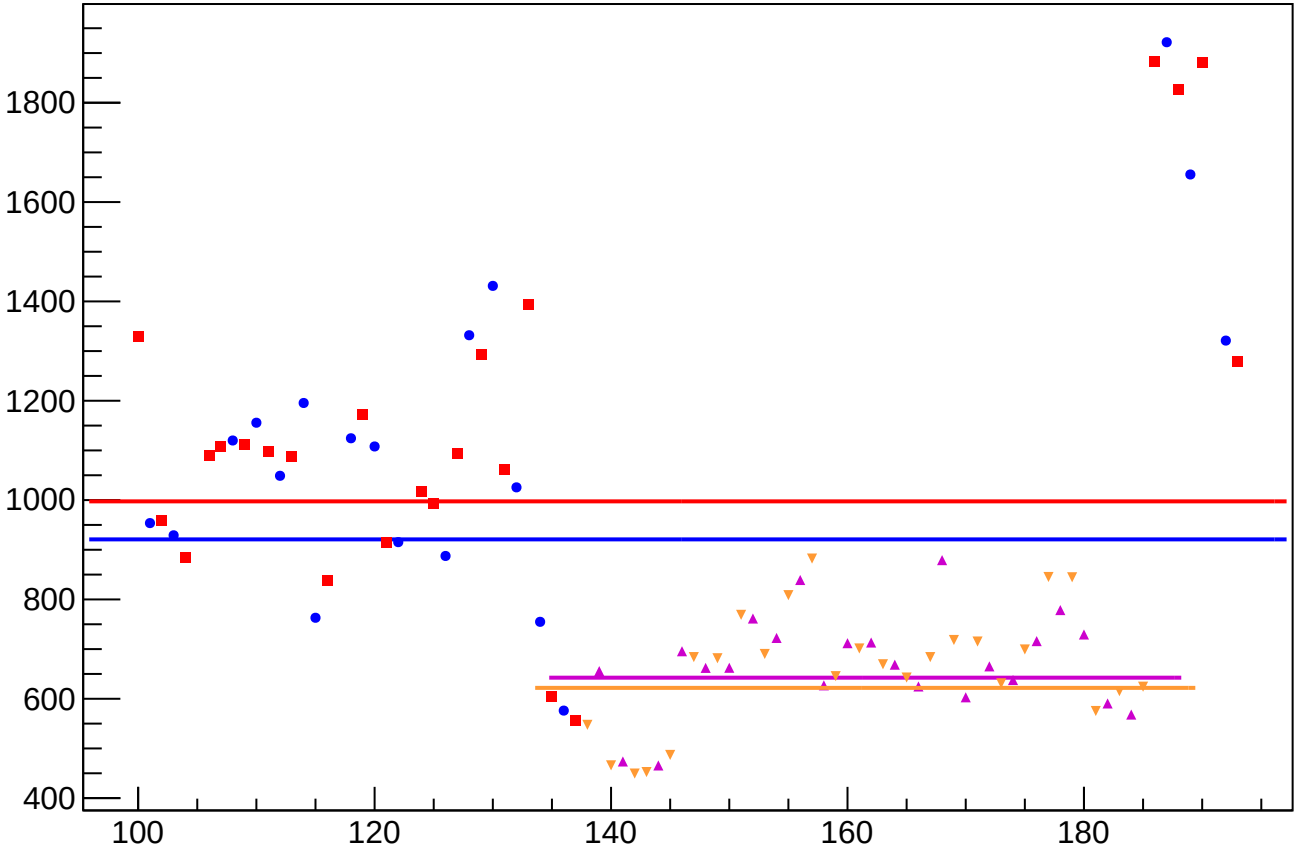
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

\+ sign 397.007+/-132.014 χ^2/NDF: 60.2/43

All: 271.636+/-95.631 χ^2/NDF: 108.9/89

\- sign 133.206+/-138.719 χ^2/NDF: 46.9/45

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: 997.445+/-0.237 χ^2/NDF: 1719634.5/22

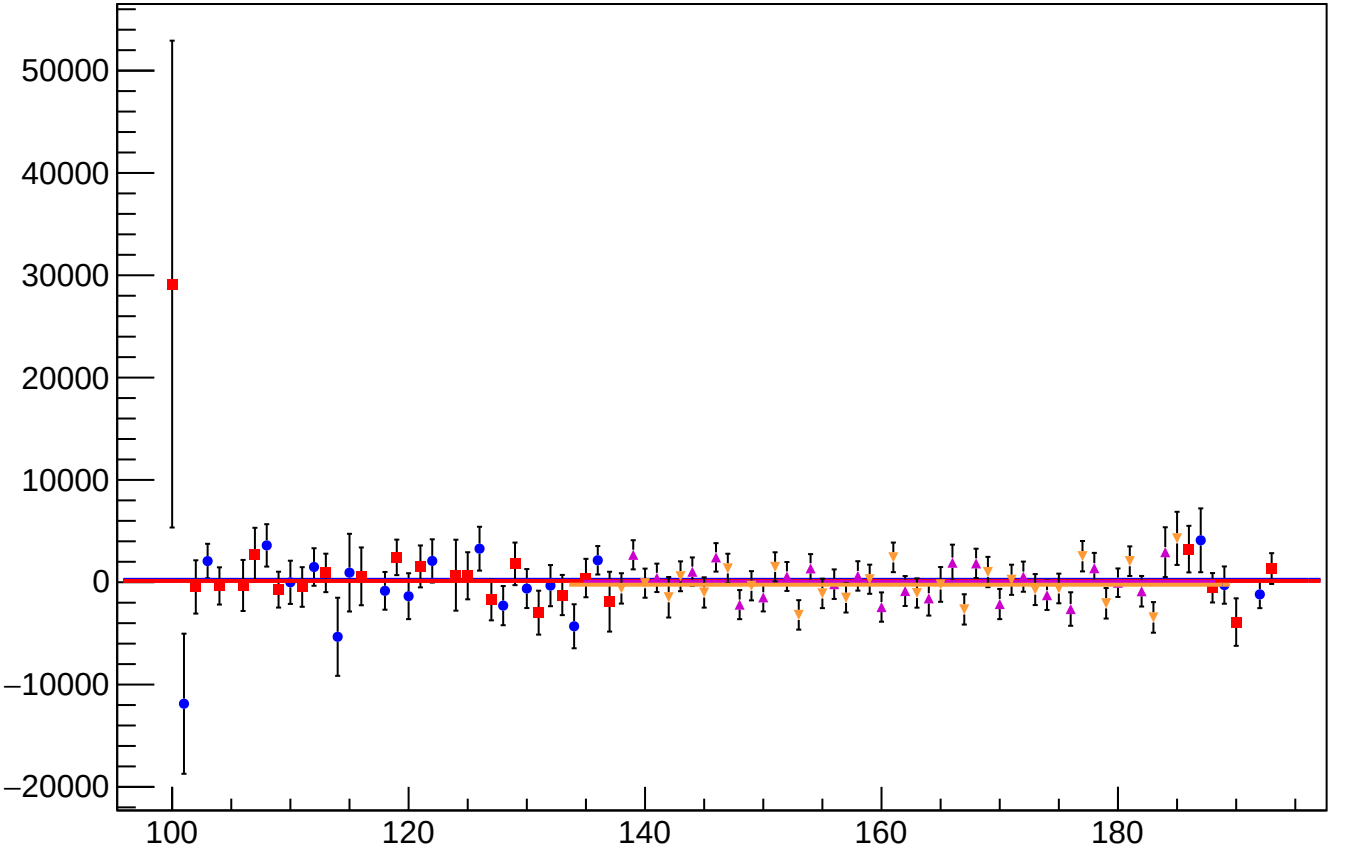
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 671.591+/-0.093 χ^2/NDF: 4342488.5/43

All: 686.552+/-0.068 χ^2/NDF: 8896821.9/89

- sign 703.072+/-0.098 χ^2/NDF: 4500282.9/45

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: 126.979+/-435.919 χ^2/NDF: 15.7/22

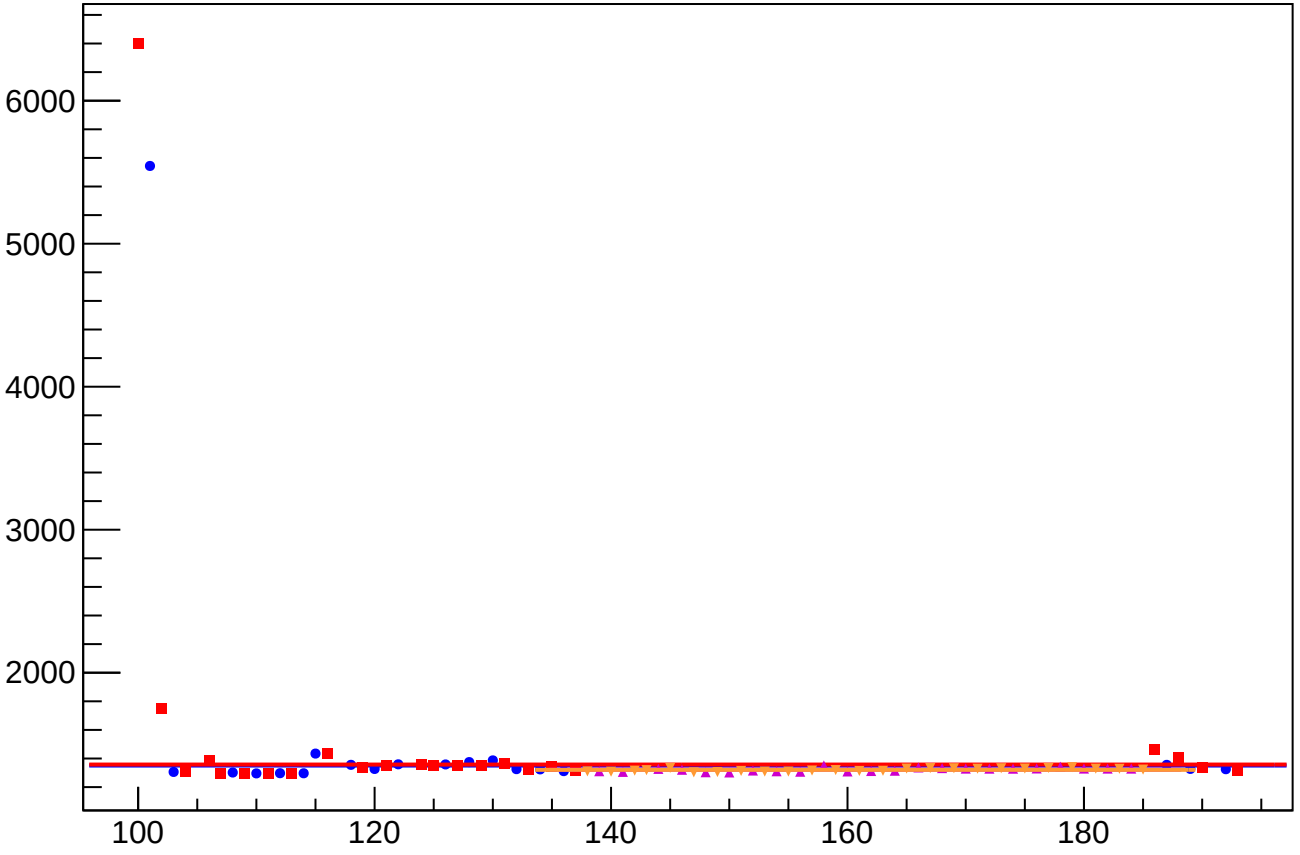
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -99.437+/-251.597 χ^2/NDF: 56.8/43

All: -15.563+/-178.008 χ^2/NDF: 99.9/89

- sign 68.503+/-251.885 χ^2/NDF: 42.9/45

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: 1357.719+/-0.308 χ^2/NDF: 155947.2/22

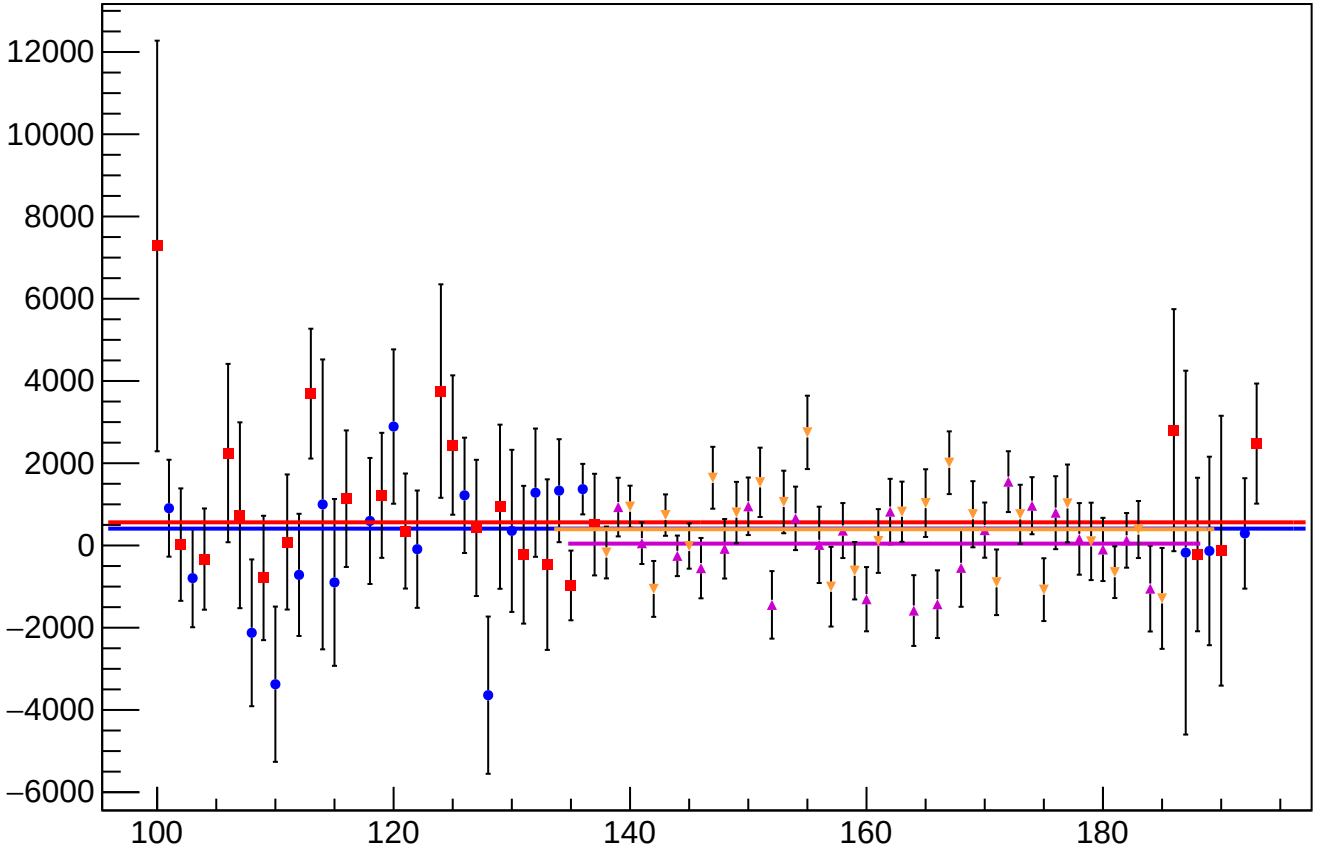
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.670+/-0.178 χ^2/NDF: 770131.6/43

All: 1331.723+/-0.126 χ^2/NDF: 938952.6/89

- sign 1333.781+/-0.178 χ^2/NDF: 168554.3/45

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

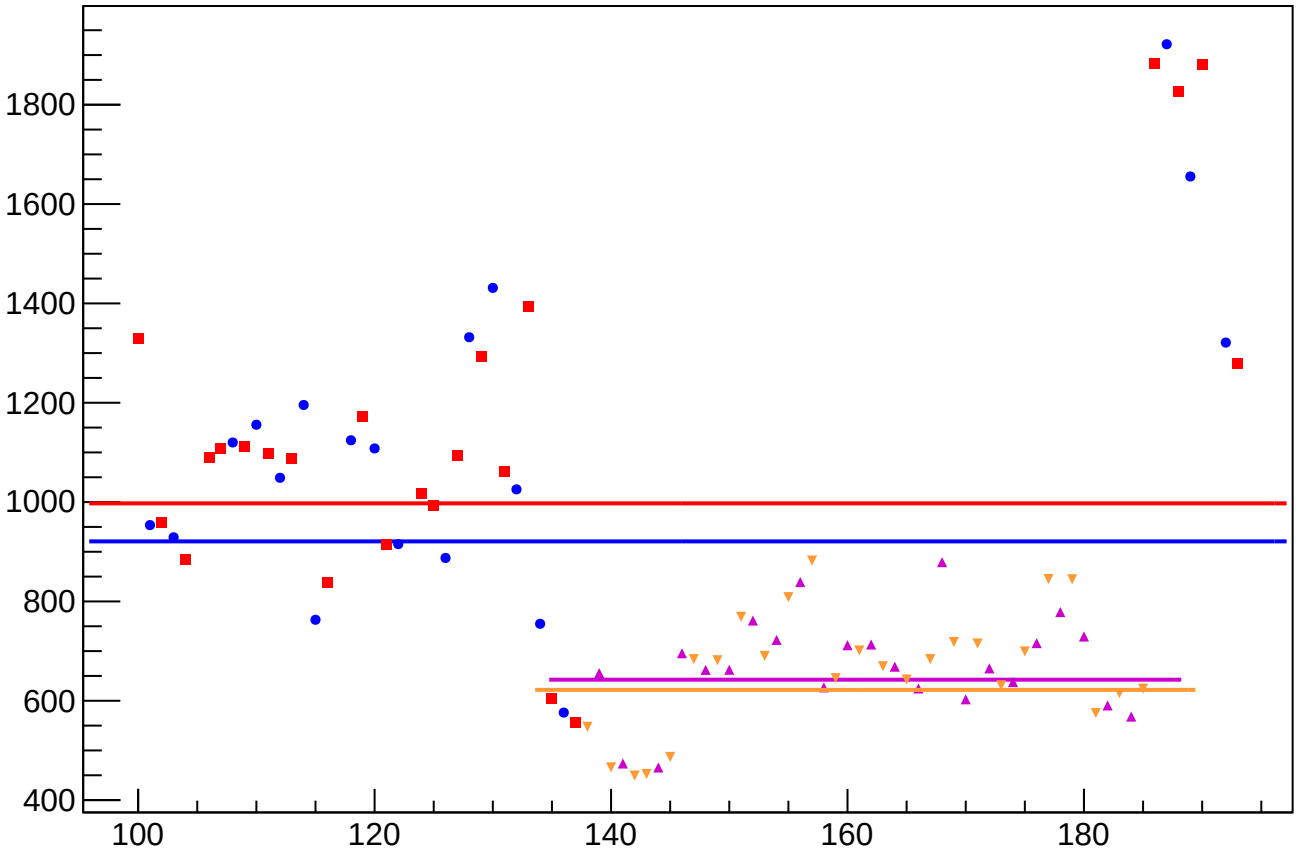
Right Out: 562.767+/-335.721 χ^2/NDF: 17.3/22

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

\+ sign 397.007+/-132.014 χ^2/NDF: 60.2/43

All: 271.636+/-95.631 χ^2/NDF: 108.9/89

\- sign 133.206+/-138.719 χ^2/NDF: 46.9/45



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: 997.445+/-0.237 χ^2/NDF: 1719634.5/22

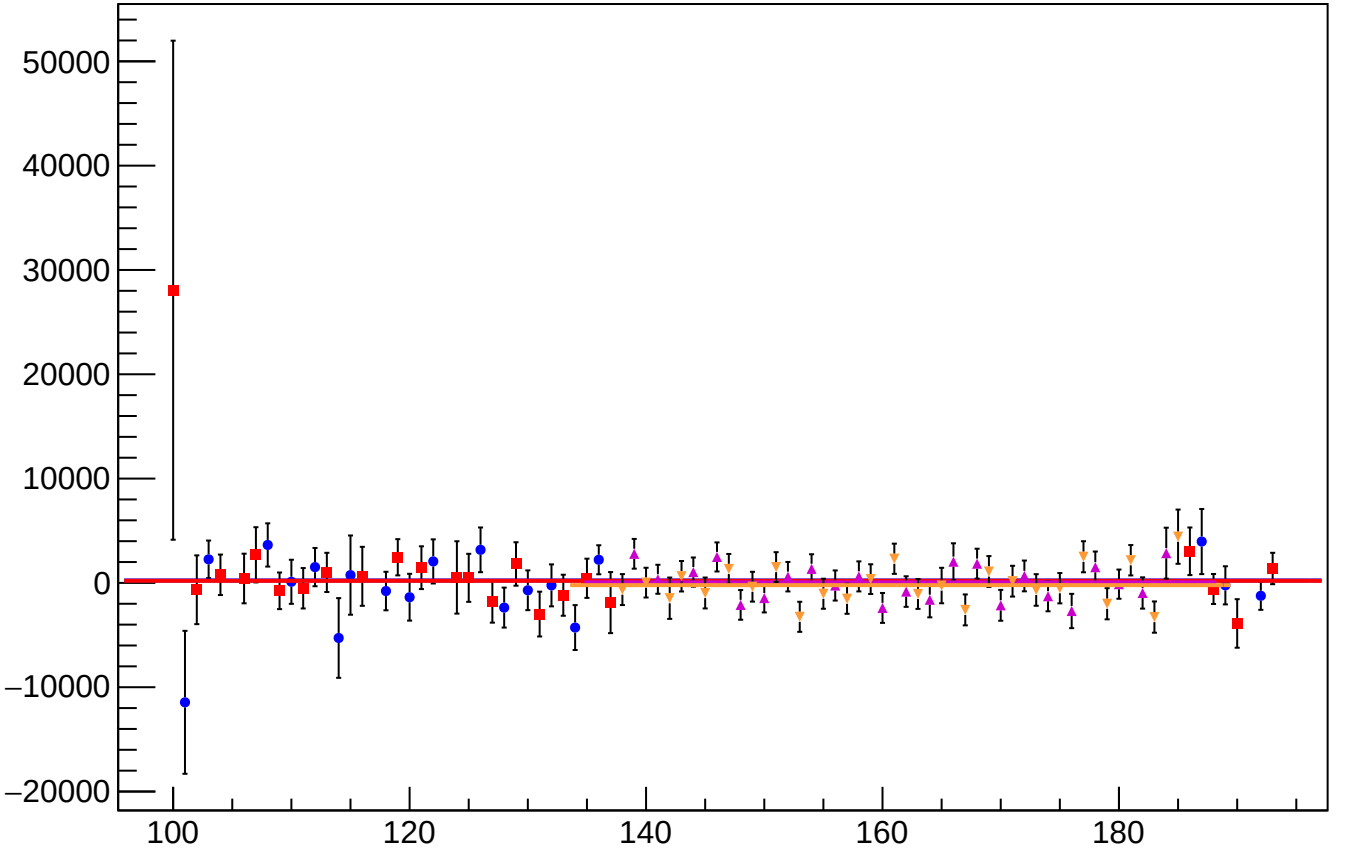
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

\+ sign 671.591+/-0.093 χ^2/NDF: 4342488.5/43

All: 686.552+/-0.068 χ^2/NDF: 8896821.9/89

\- sign 703.072+/-0.098 χ^2/NDF: 4500282.9/45

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: 200.070+/-439.460 χ^2/NDF: 15.5/22

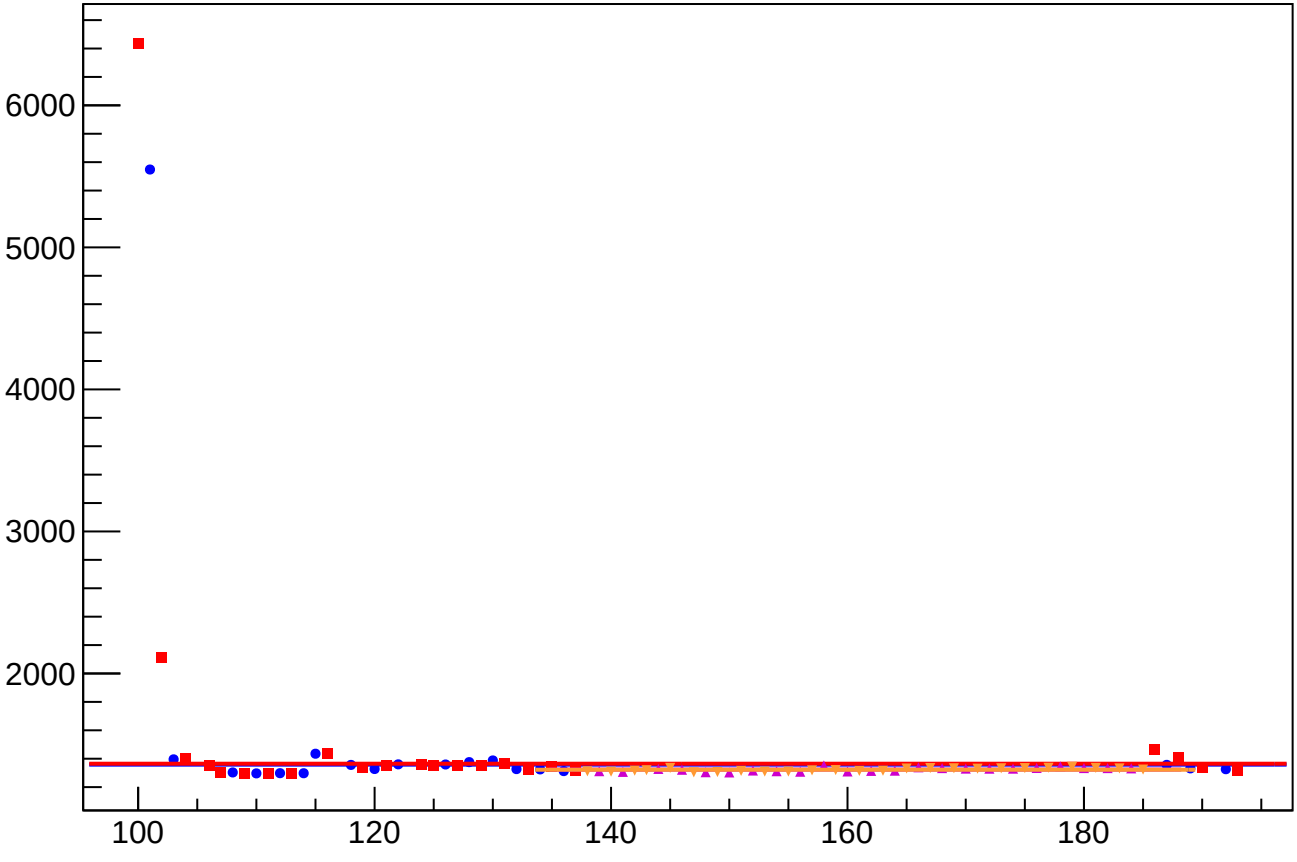
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -82.303+/-252.225 χ^2/NDF: 56.1/43

All: 8.559+/-178.540 χ^2/NDF: 99.8/89

- sign 99.809+/-252.762 χ^2/NDF: 43.4/45

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: 1364.744+/-0.311 χ^2/NDF: 213554.8/22

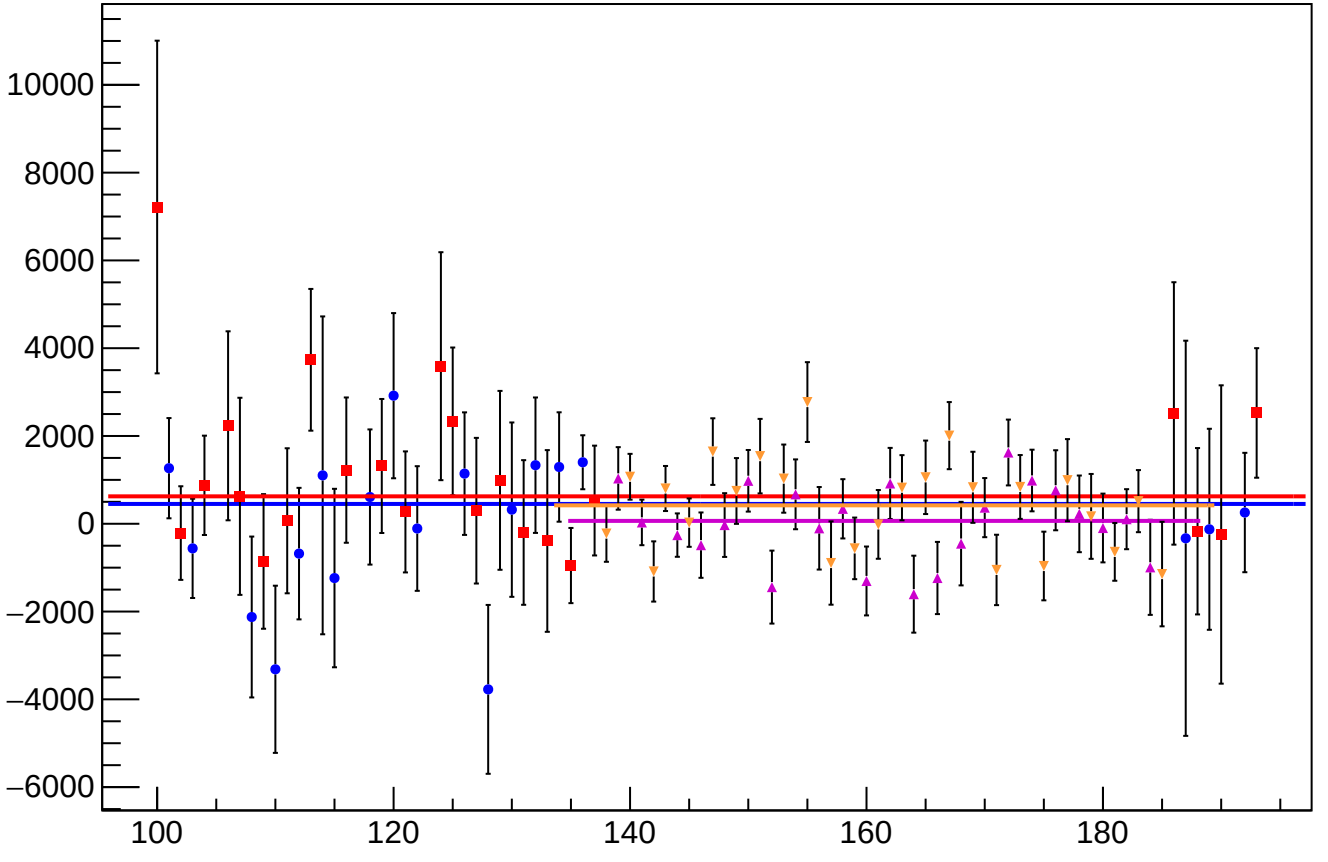
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.964+/-0.178 χ^2/NDF: 772232.1/43

All: 1334.996+/-0.126 χ^2/NDF: 1001784.7/89

- sign 1337.035+/-0.179 χ^2/NDF: 229292.7/45

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: 624.816+/-328.194 χ^2/NDF: 18.0/22

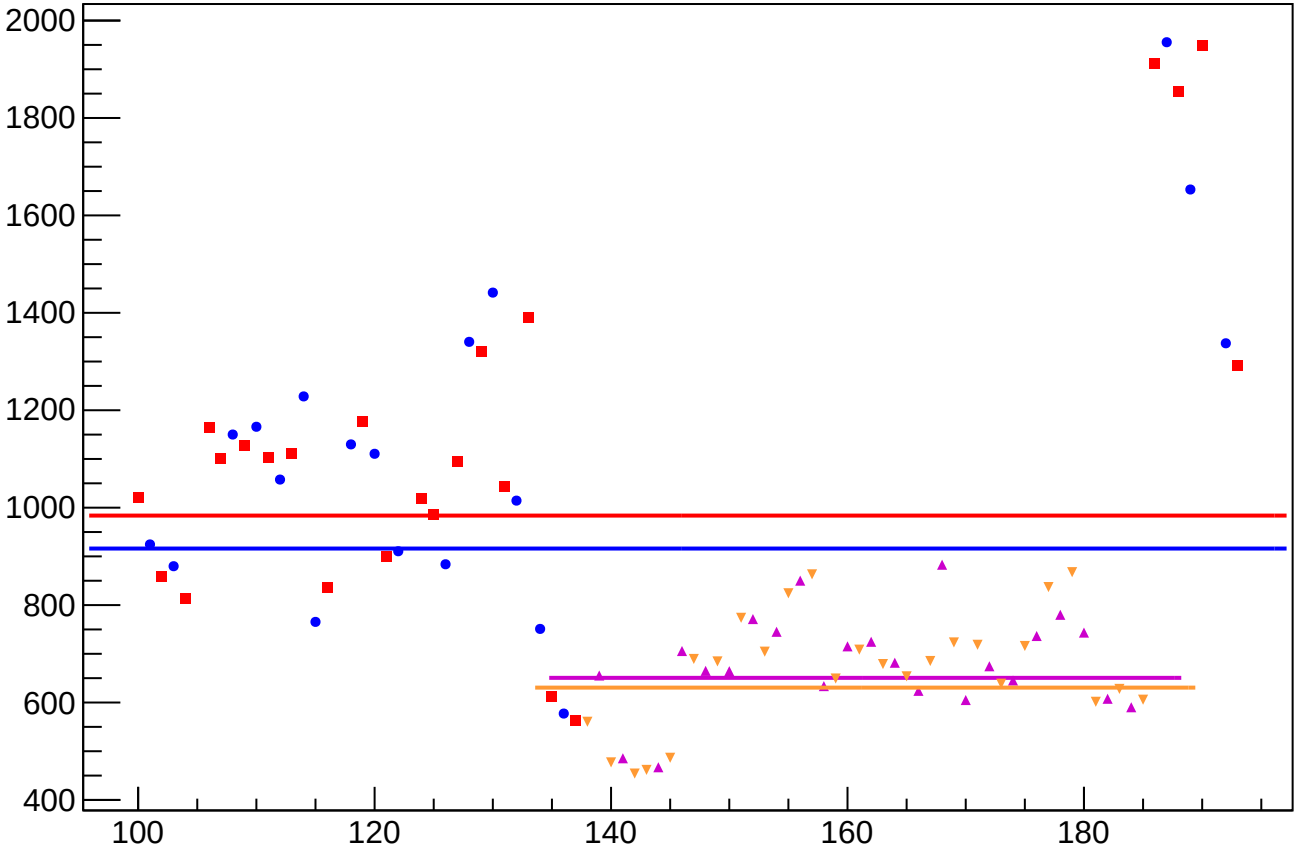
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 425.314+/-133.339 χ^2/NDF: 60.3/43

All: 301.867+/-96.416 χ^2/NDF: 109.5/89

- sign 166.592+/-139.581 χ^2/NDF: 47.4/45

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: 983.758+/-0.232 χ^2/NDF: 1799822.5/22

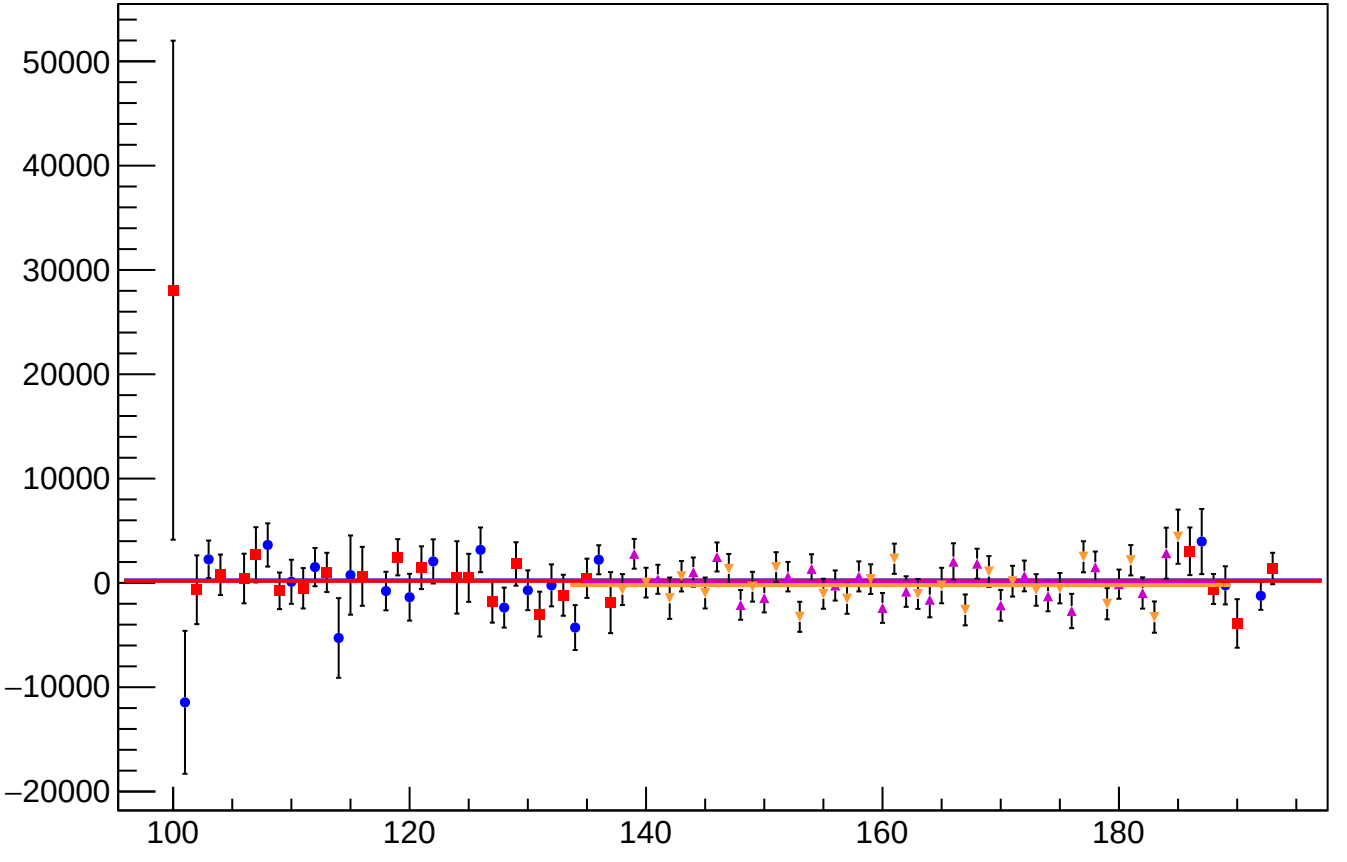
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

\+ sign 679.378+/-0.094 χ^2/NDF: 4194724.3/43

All: 694.414+/-0.068 χ^2/NDF: 8657721.8/89

\- sign 710.892+/-0.099 χ^2/NDF: 4409692.0/45

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: 200.067+/-439.460 χ^2/NDF: 15.5/22

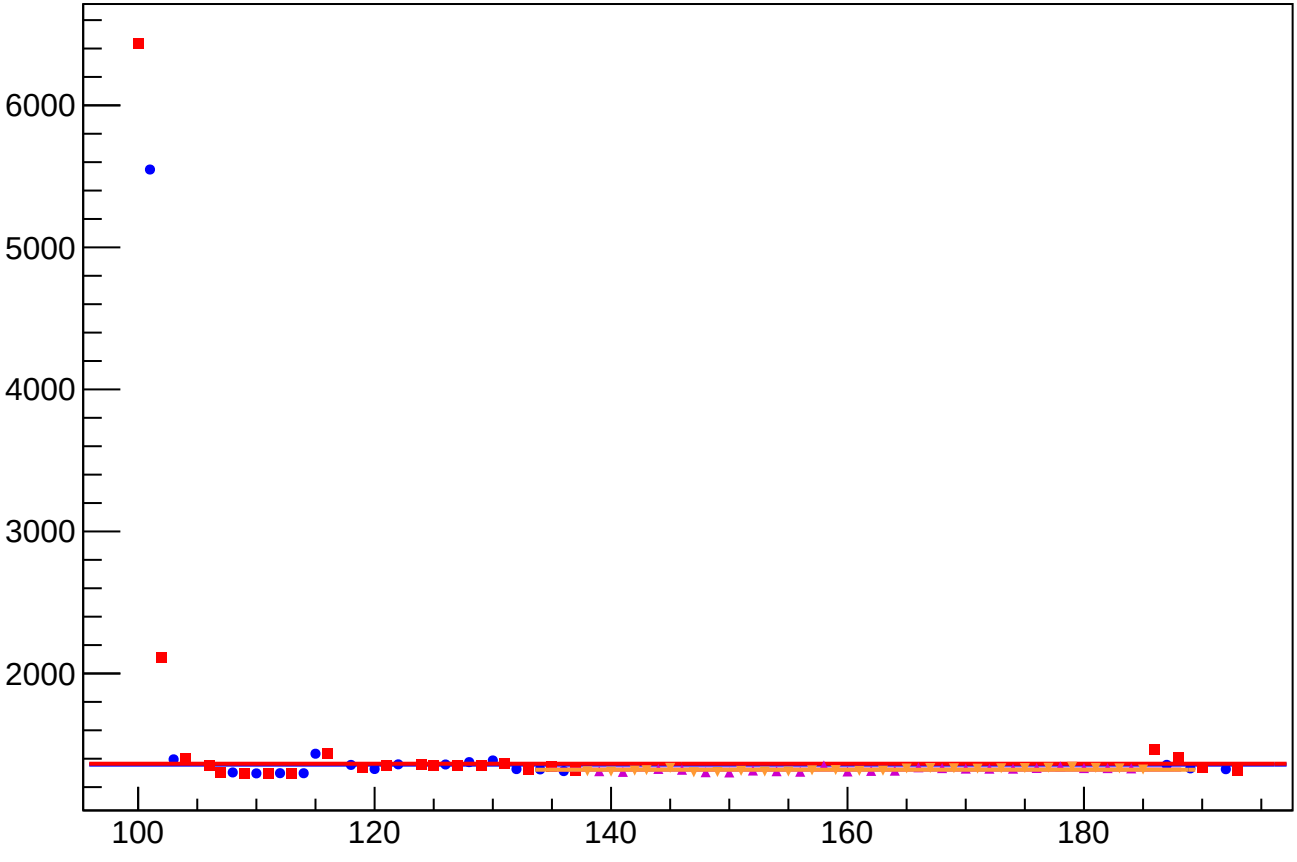
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -82.304+/-252.225 χ^2/NDF: 56.1/43

All: 8.558+/-178.540 χ^2/NDF: 99.8/89

- sign 99.808+/-252.762 χ^2/NDF: 43.4/45

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

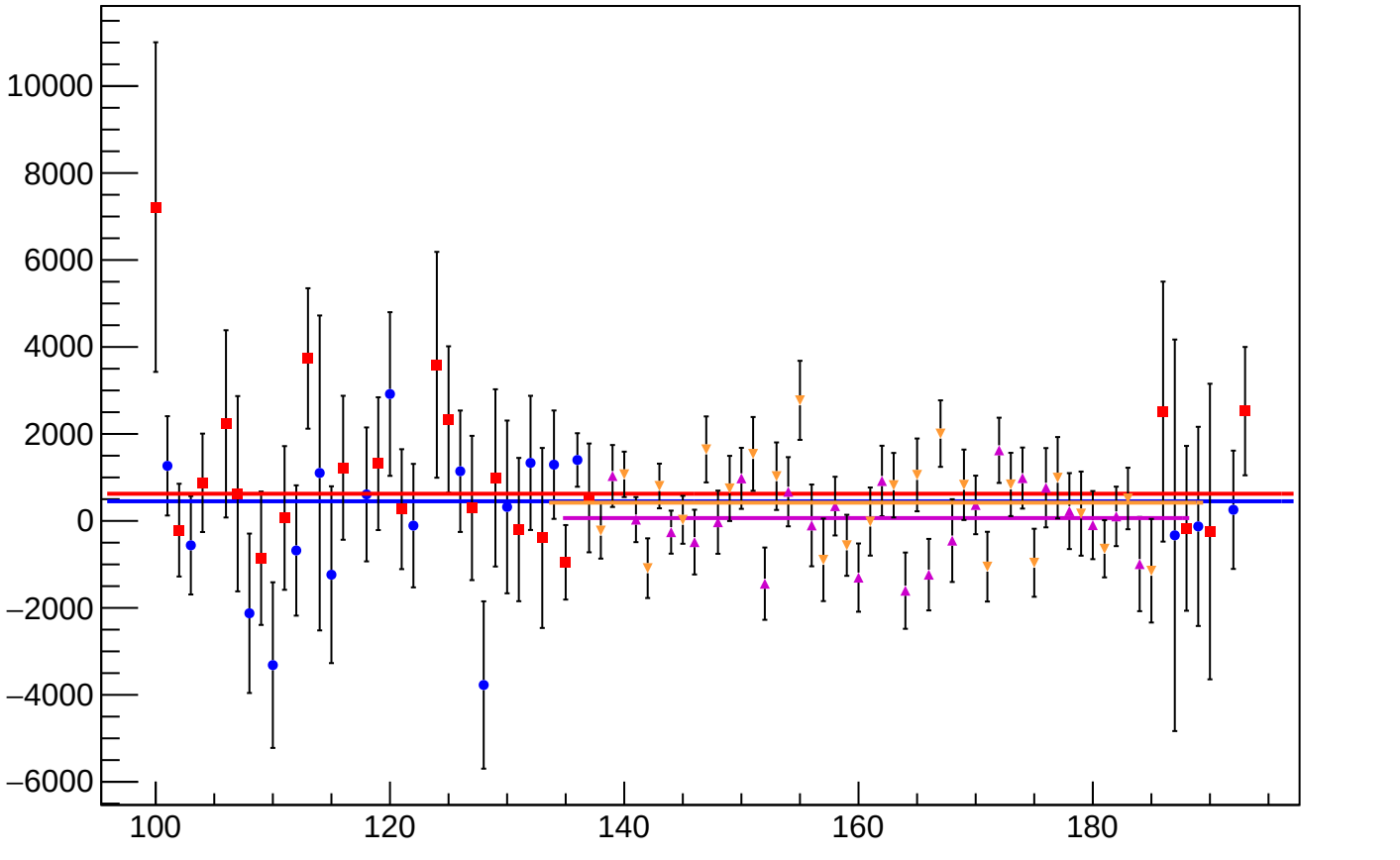
Right Out: 1364.744+/-0.311 χ^2/NDF: 213554.7/22

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.964+/-0.178 χ^2/NDF: 772232.1/43

All: 1334.995+/-0.126 χ^2/NDF: 1001784.6/89

- sign 1337.035+/-0.179 χ^2/NDF: 229292.6/45



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: 624.815+/-328.194 χ^2/NDF: 18.0/22

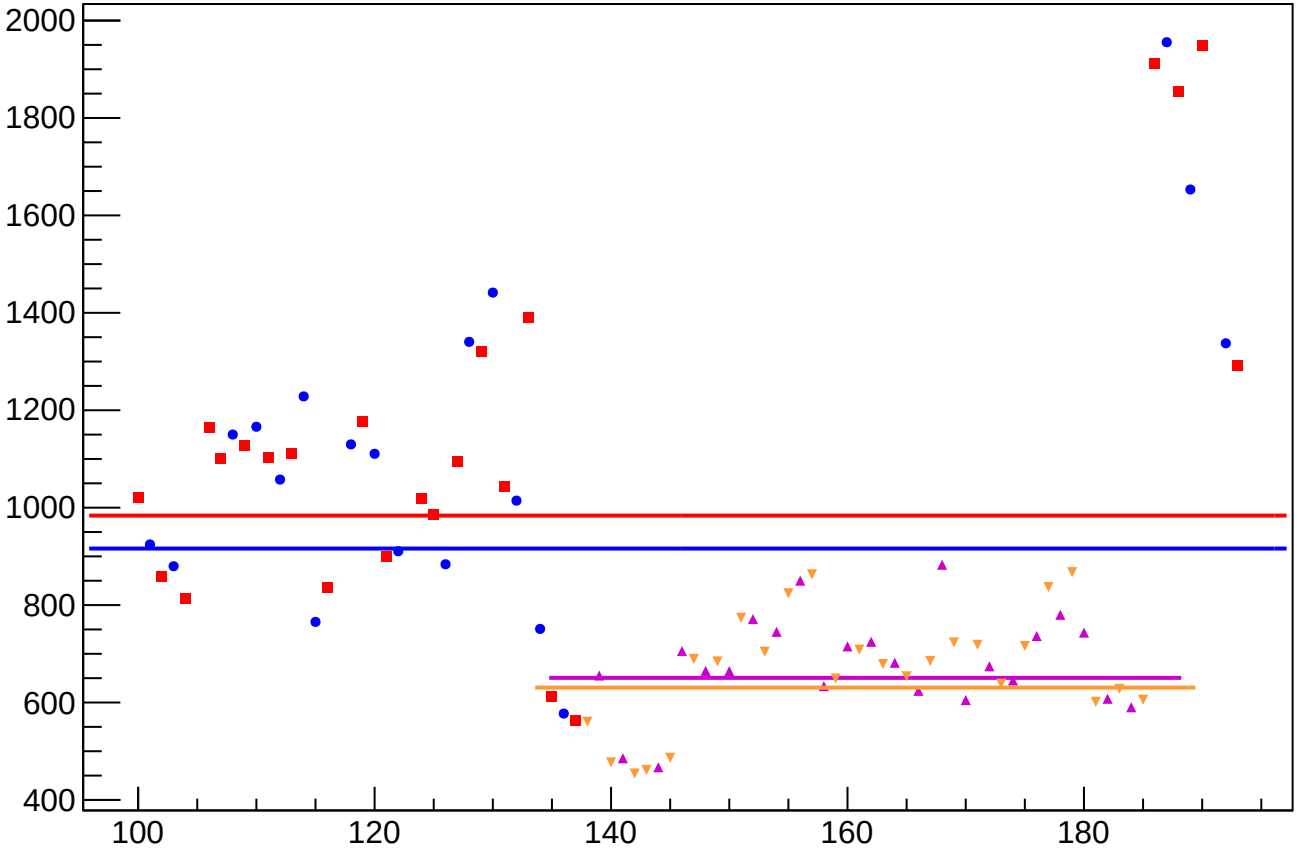
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 425.314+/-133.339 χ^2/NDF: 60.3/43

All: 301.867+/-96.416 χ^2/NDF: 109.5/89

- sign 166.592+/-139.581 χ^2/NDF: 47.4/45

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: 983.755+/-0.232 χ^2/NDF: 1799819.2/22

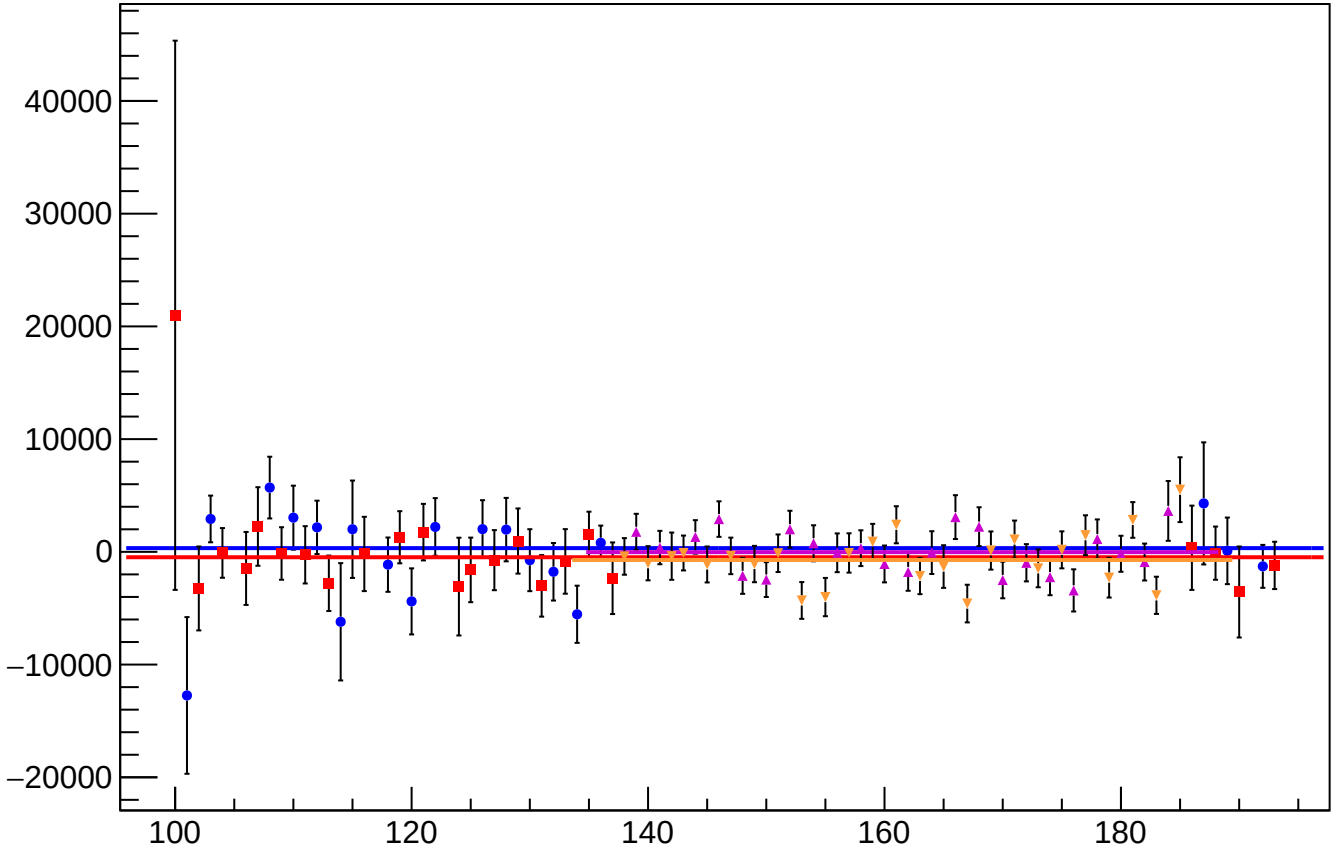
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 679.378+/-0.094 χ^2/NDF: 4194717.1/43

All: 694.415+/-0.068 χ^2/NDF: 8657695.0/89

- sign 710.893+/-0.099 χ^2/NDF: 4409670.6/45

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: -478.949+/-580.655 χ^2/NDF: 8.1/22

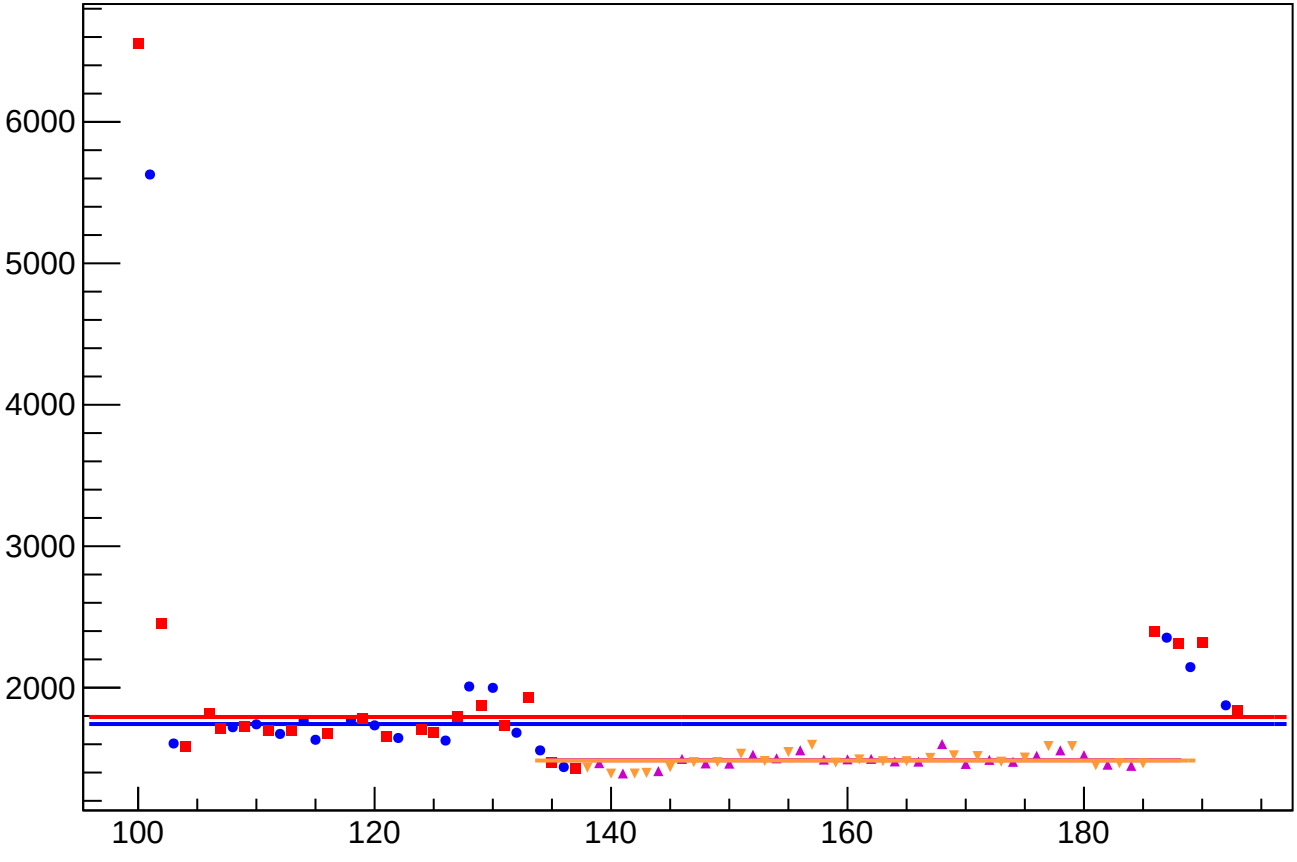
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -464.739+/-293.964 χ^2/NDF: 64.1/43

All: -307.866+/-209.320 χ^2/NDF: 101.1/89

- sign -146.518+/-298.127 χ^2/NDF: 36.5/45

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: 1792.805+/-0.411 χ^2/NDF: 444241.1/22

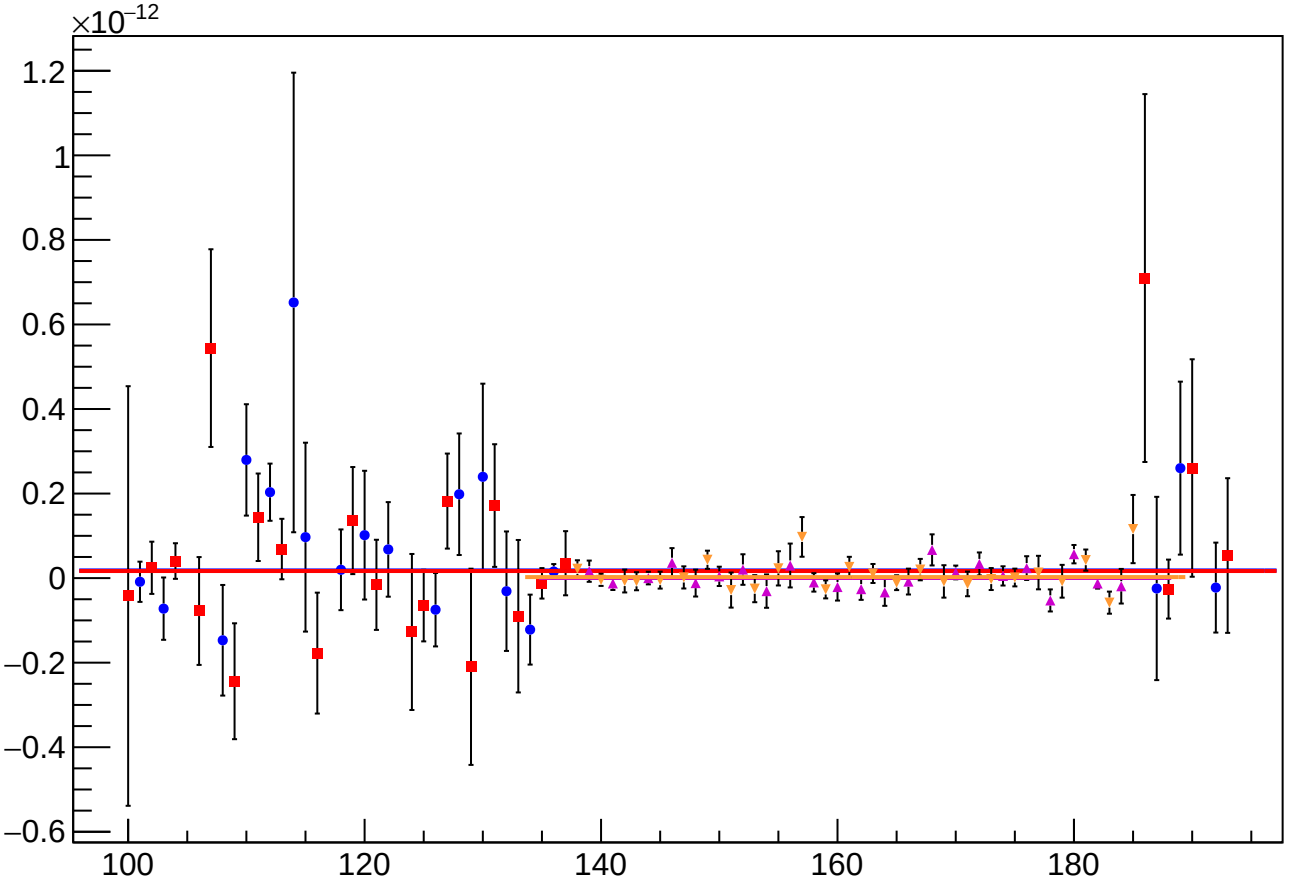
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1547.314+/-0.208 χ^2/NDF: 1176543.4/43

All: 1557.362+/-0.148 χ^2/NDF: 2068538.1/89

- sign 1567.697+/-0.211 χ^2/NDF: 887254.7/45

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

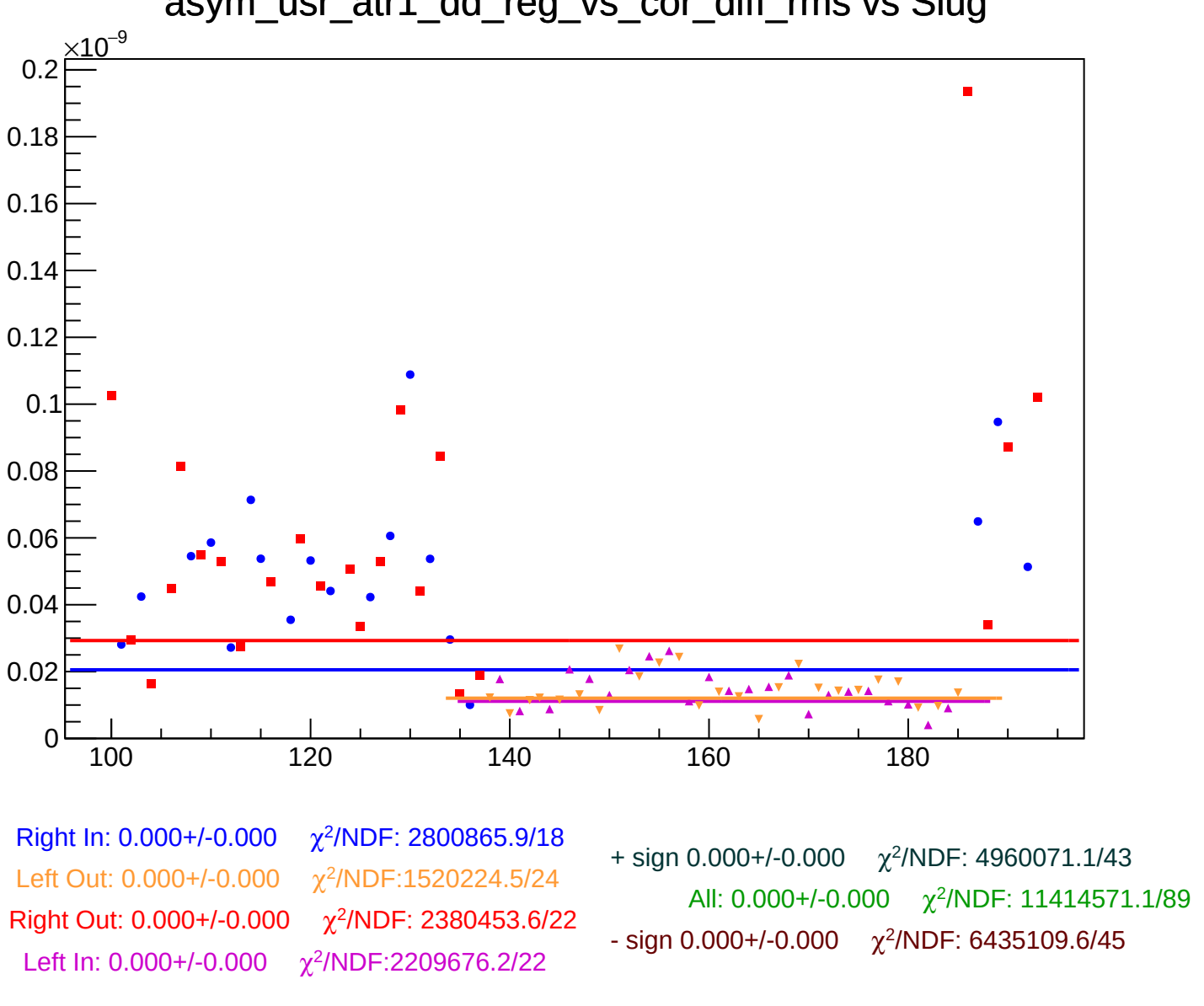
Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/22

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

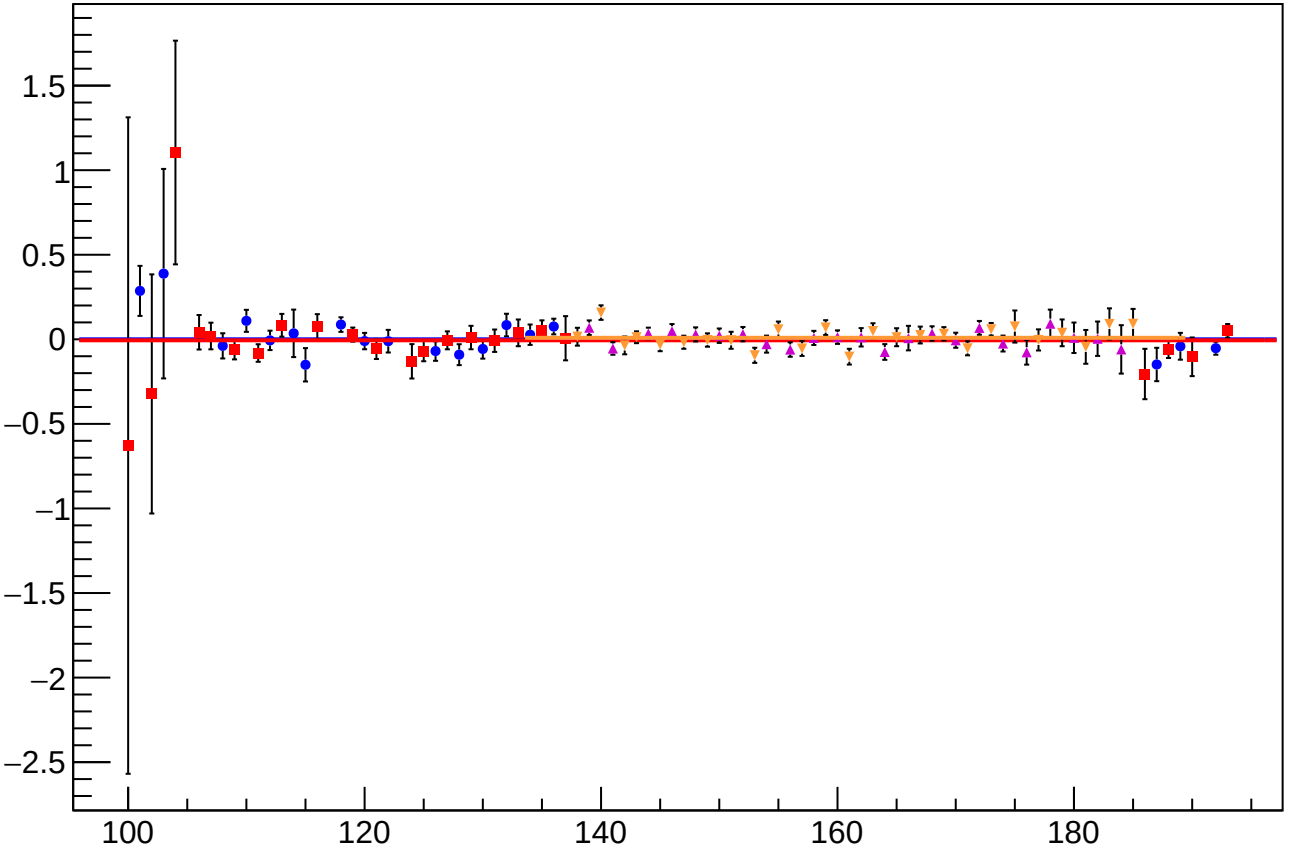
+ sign 0.000+/-0.000 χ^2/NDF: 51.7/43

All: 0.000+/-0.000 χ^2/NDF: 102.7/89

- sign 0.000+/-0.000 χ^2/NDF: 50.9/45


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: 2380453.6/22
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: 11414571.1/89
- sign 0.000+/-0.000 χ²/NDF: 6435109.6/45

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: -0.006+/-0.014 χ^2/NDF: 20.4/22

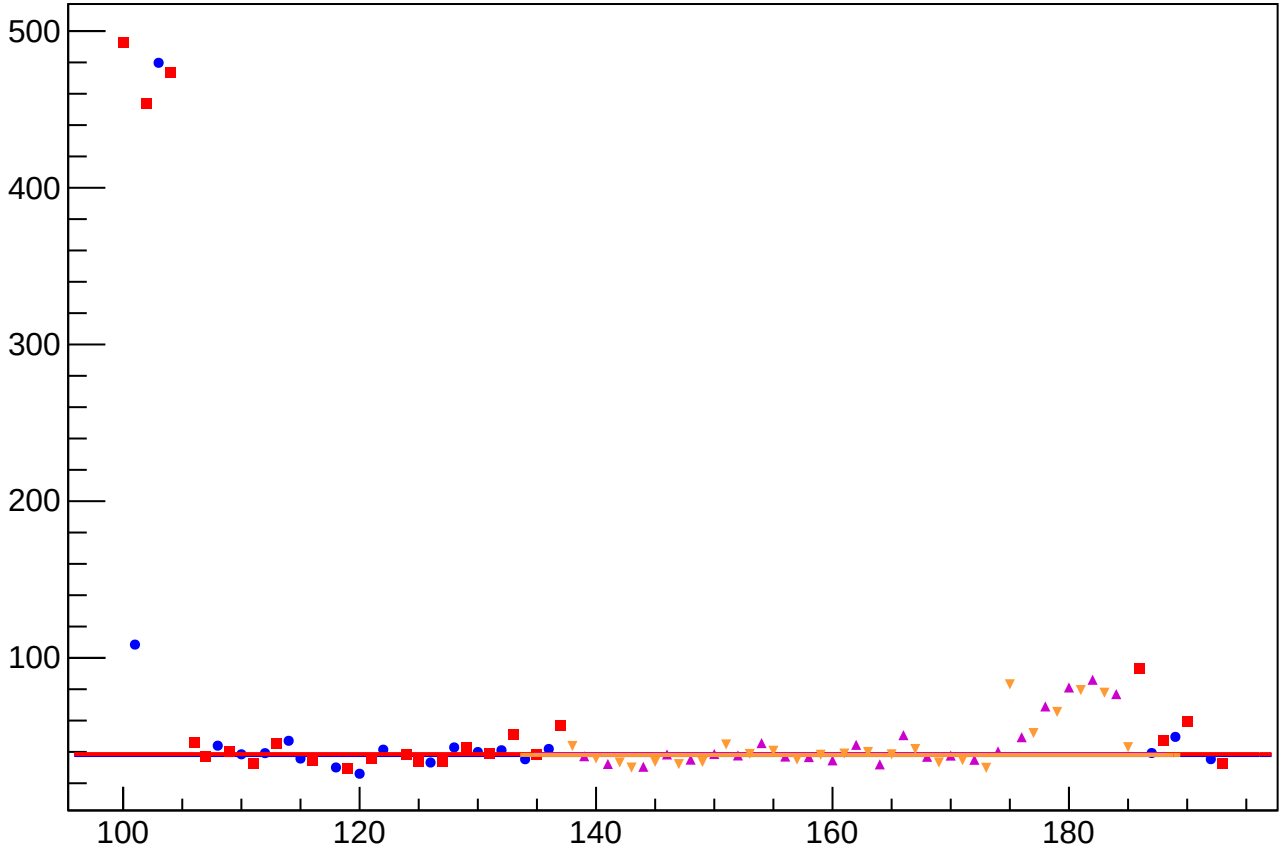
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 66.1/43

All: 0.005+/-0.006 χ^2/NDF: 106.1/89

- sign 0.003+/-0.008 χ^2/NDF: 39.9/45

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

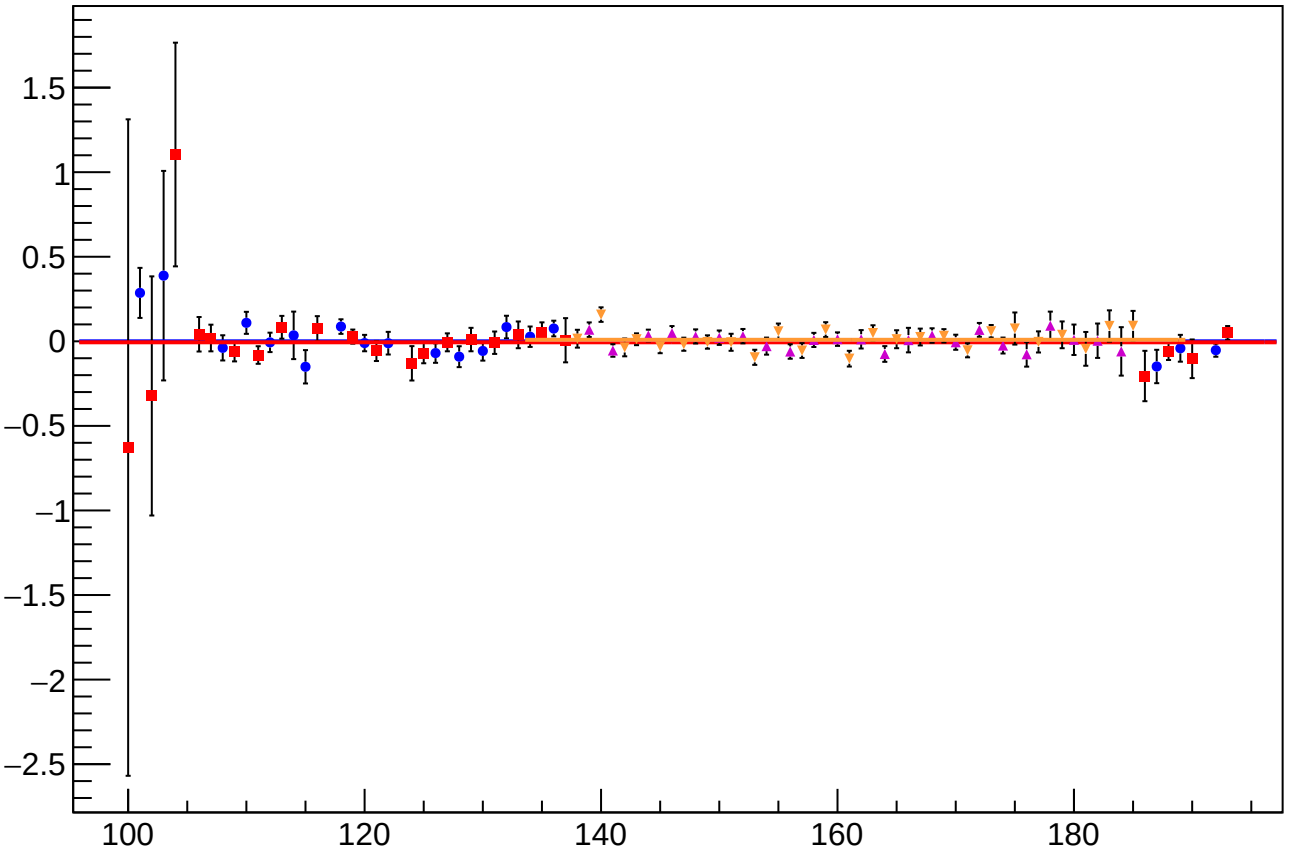
Right Out: 38.616+/-0.010 χ^2/NDF: 2391133.0/22

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 38.046+/-0.006 χ^2/NDF: 3759171.2/43

All: 38.330+/-0.004 χ^2/NDF: 7883154.1/89

- sign 38.625+/-0.006 χ^2/NDF: 4118798.9/45



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: -0.006+/-0.014 χ^2/NDF: 20.4/22

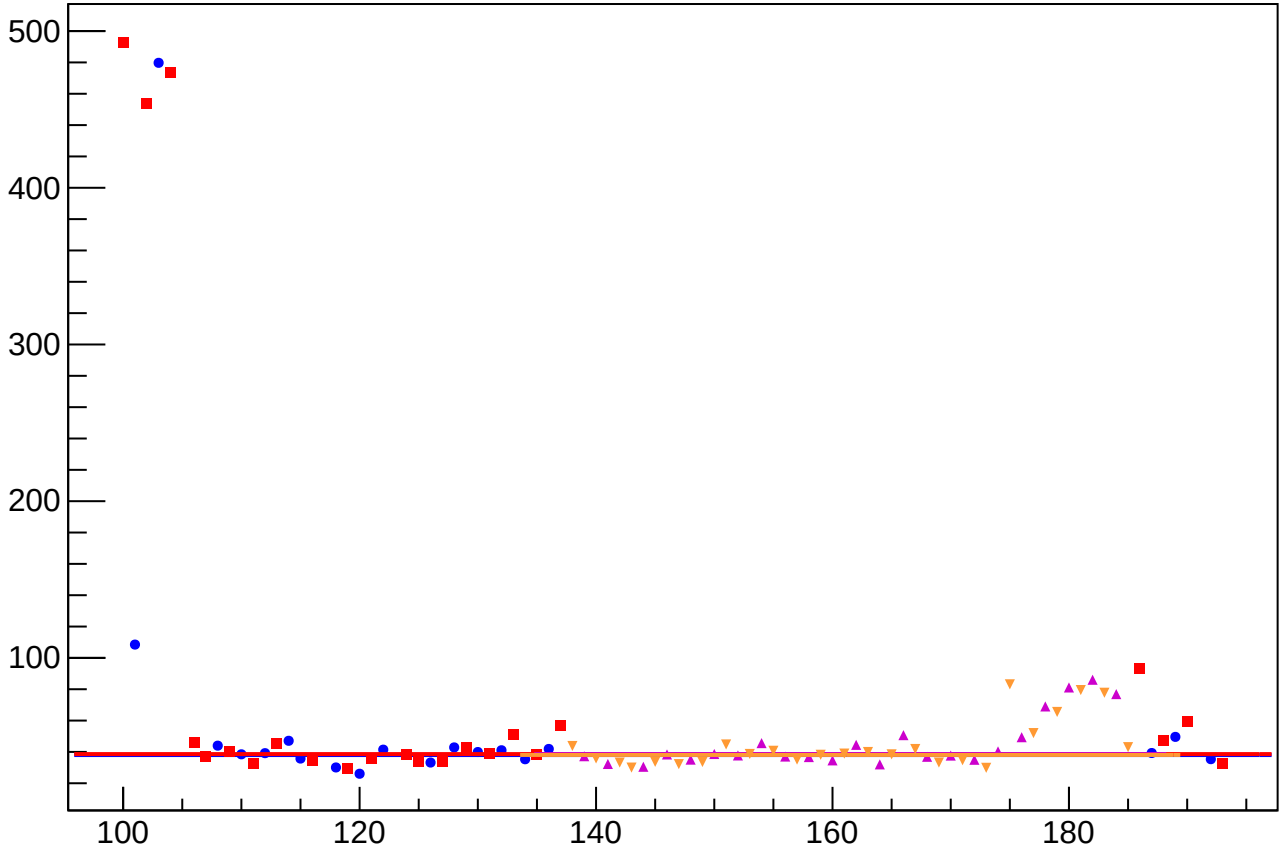
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 66.1/43

All: 0.005+/-0.006 χ^2/NDF: 106.1/89

- sign 0.003+/-0.008 χ^2/NDF: 39.9/45

asym_usr_atr1_dd_dit_vs_eigen_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

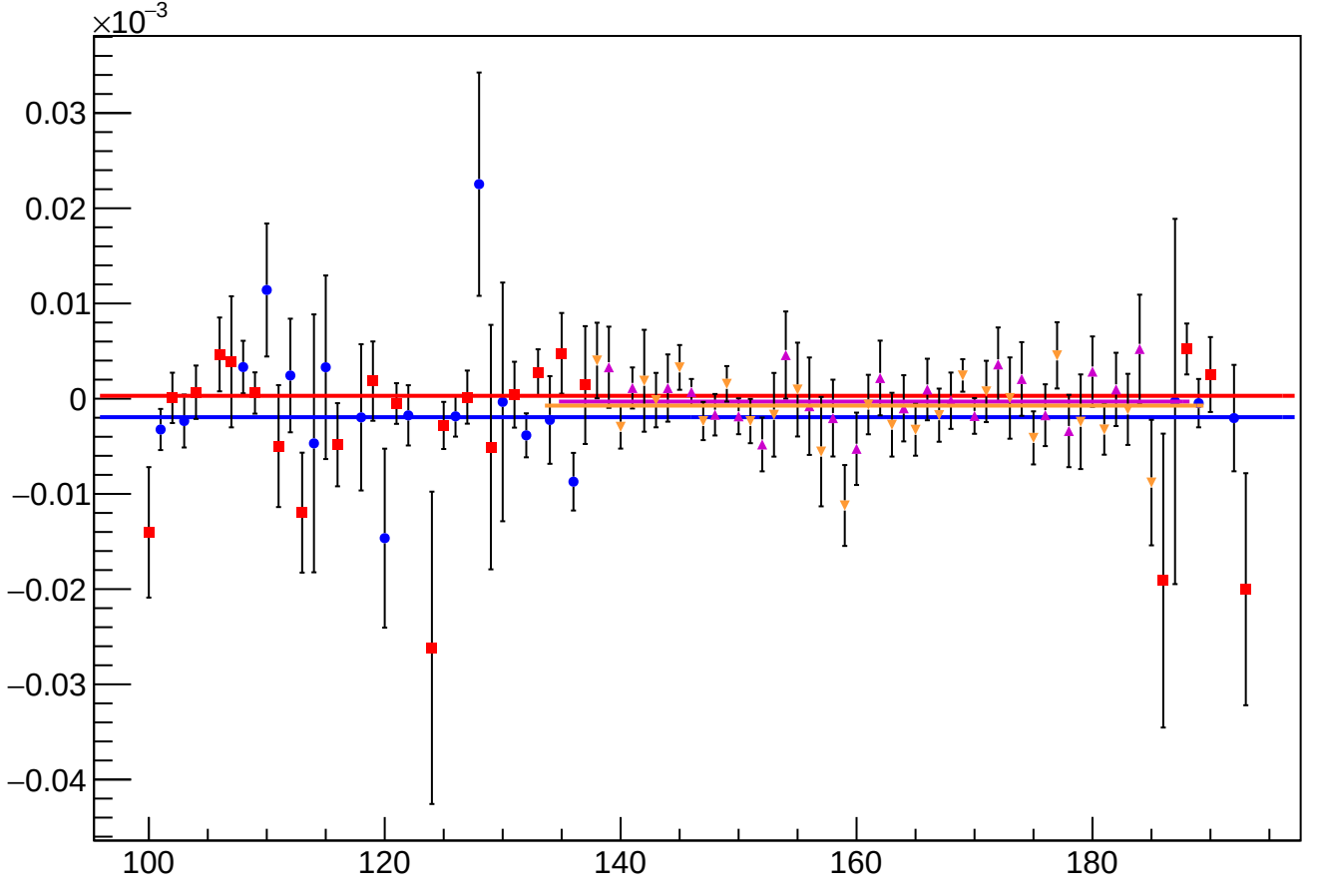
Right Out: 38.616+/-0.010 χ^2/NDF: 2391133.0/22

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 38.046+/-0.006 χ^2/NDF: 3759171.2/43

All: 38.330+/-0.004 χ^2/NDF: 7883154.1/89

- sign 38.625+/-0.006 χ^2/NDF: 4118798.9/45



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

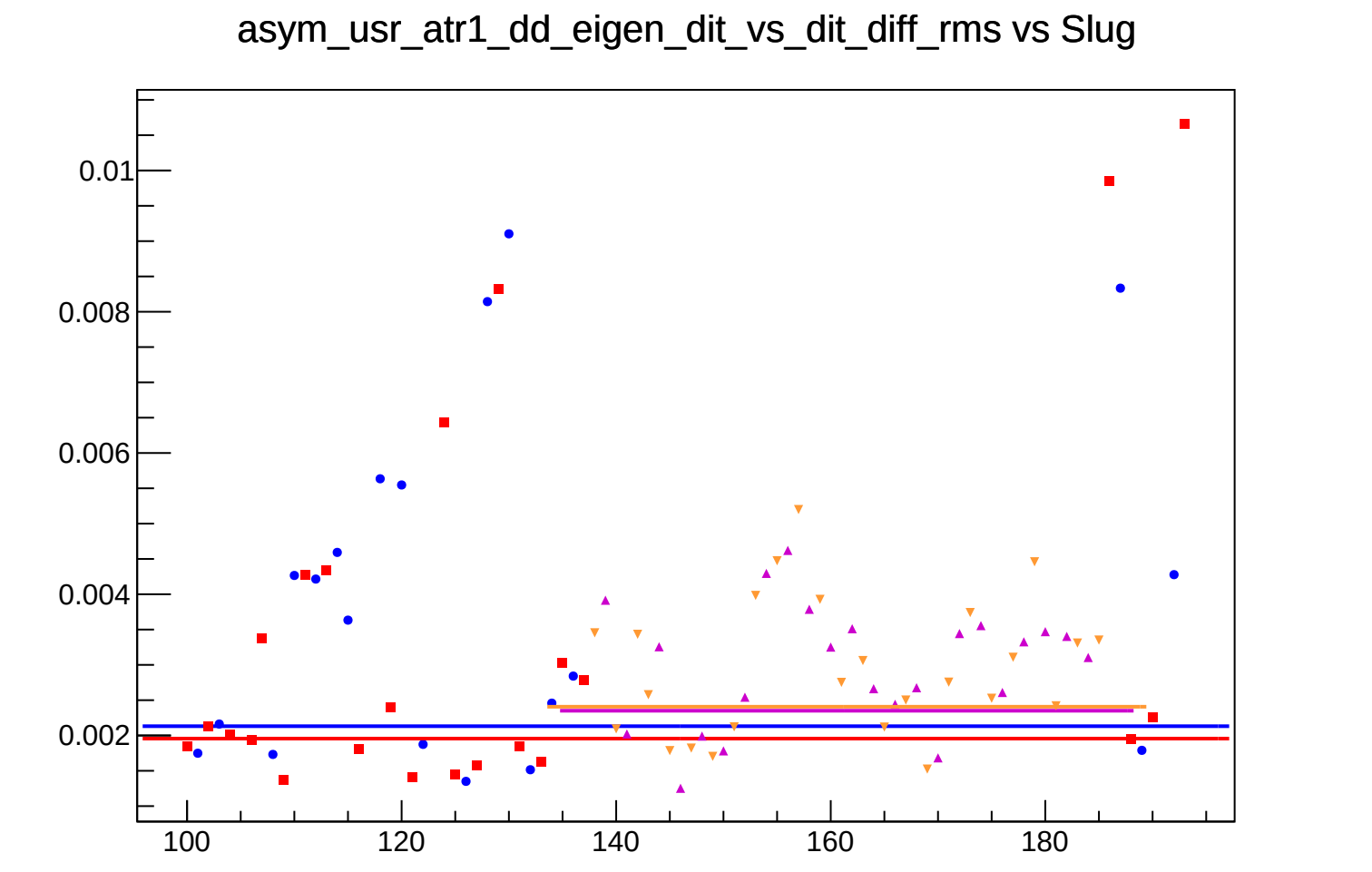
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/22

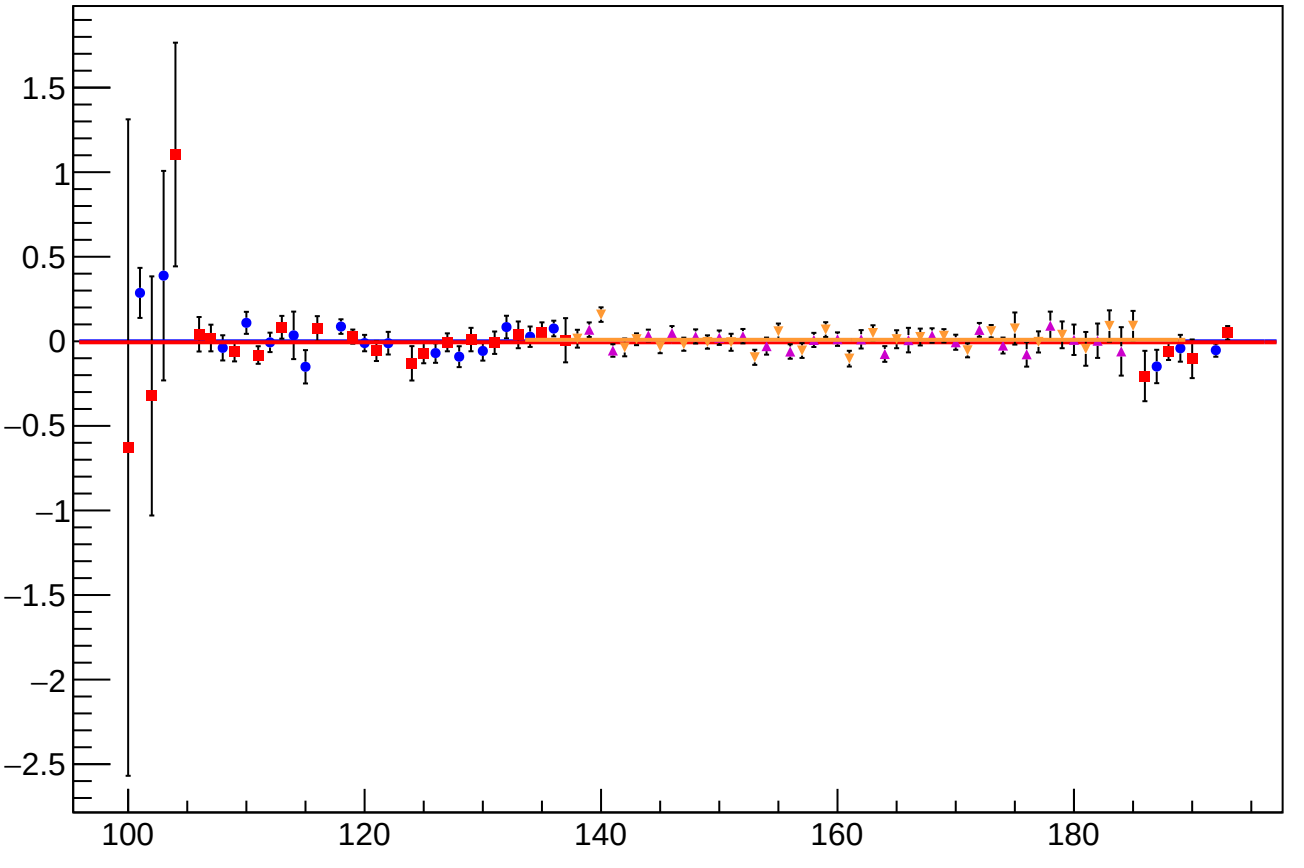
Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.8/43

All: -0.000+/-0.000 χ^2/NDF: 92.2/89

- sign -0.000+/-0.000 χ^2/NDF: 40.9/45


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
Right In: 0.002+/-0.000 χ²/NDF: 3559460.2/18
Left Out: 0.002+/-0.000 χ²/NDF:3682960.0/24
Right Out: 0.002+/-0.000 χ²/NDF: 3462601.3/22
Left In: 0.002+/-0.000 χ²/NDF:4438139.5/22
+ sign 0.002+/-0.000 χ²/NDF: 7389010.3/43
All: 0.002+/-0.000 χ²/NDF: 15700286.9/89
- sign 0.002+/-0.000 χ²/NDF: 8245688.4/45



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: -0.006+/-0.014 χ^2/NDF: 20.4/22

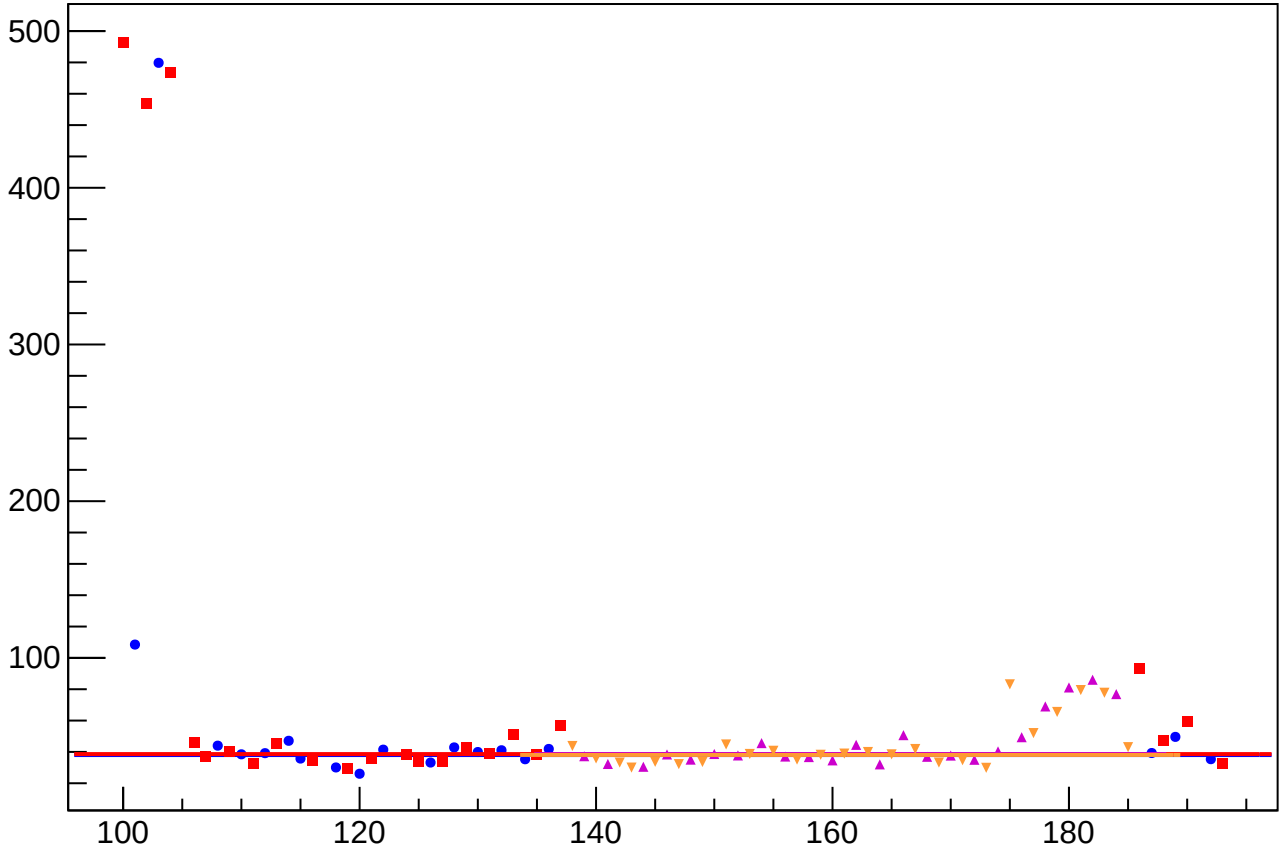
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 66.1/43

All: 0.005+/-0.006 χ^2/NDF: 106.1/89

- sign 0.003+/-0.008 χ^2/NDF: 39.9/45

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

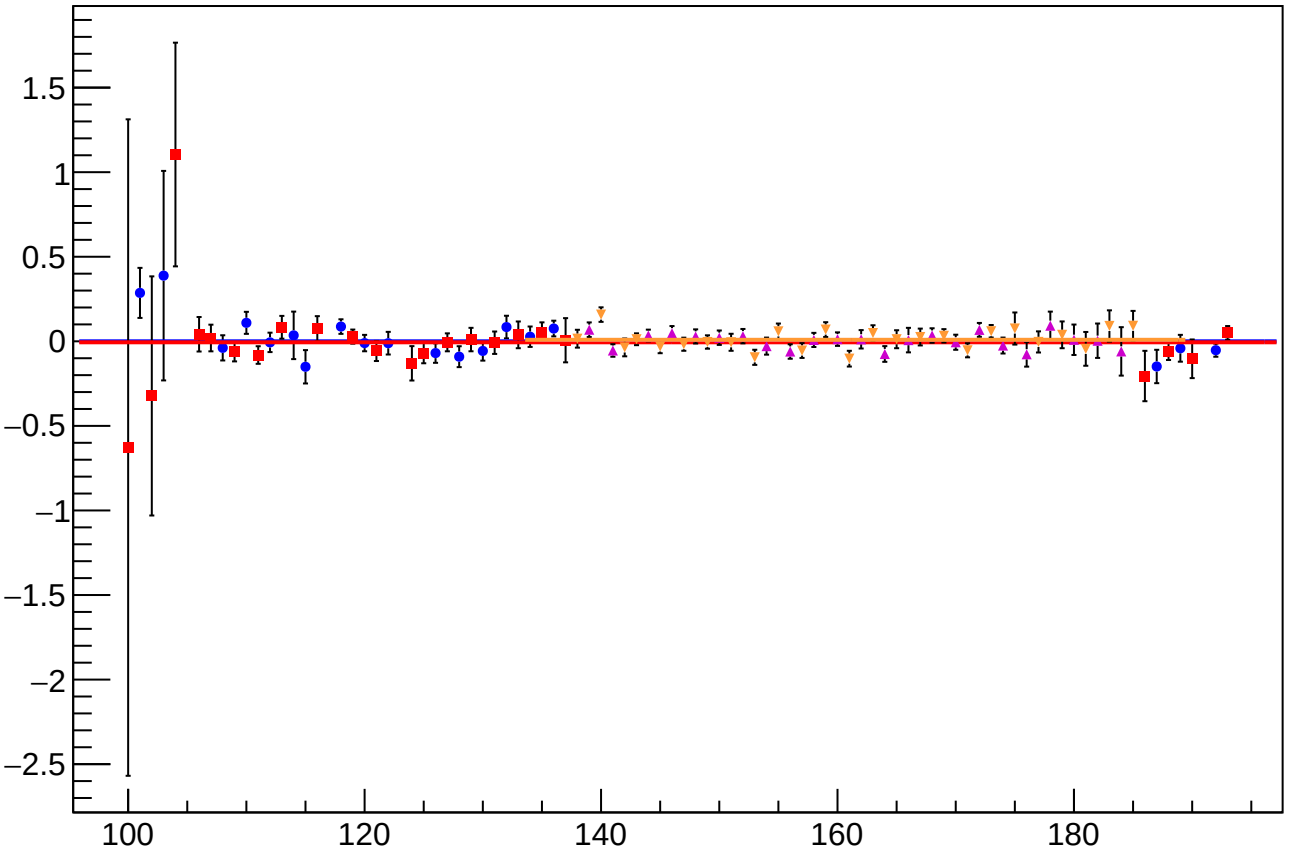
Right Out: 38.614+/-0.010 χ^2/NDF: 2391309.0/22

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 38.046+/-0.006 χ^2/NDF: 3759196.6/43

All: 38.330+/-0.004 χ^2/NDF: 7883381.3/89

- sign 38.624+/-0.006 χ^2/NDF: 4119009.7/45



Right In: 0.000+/-0.014 χ^2/NDF: 27.2/18

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

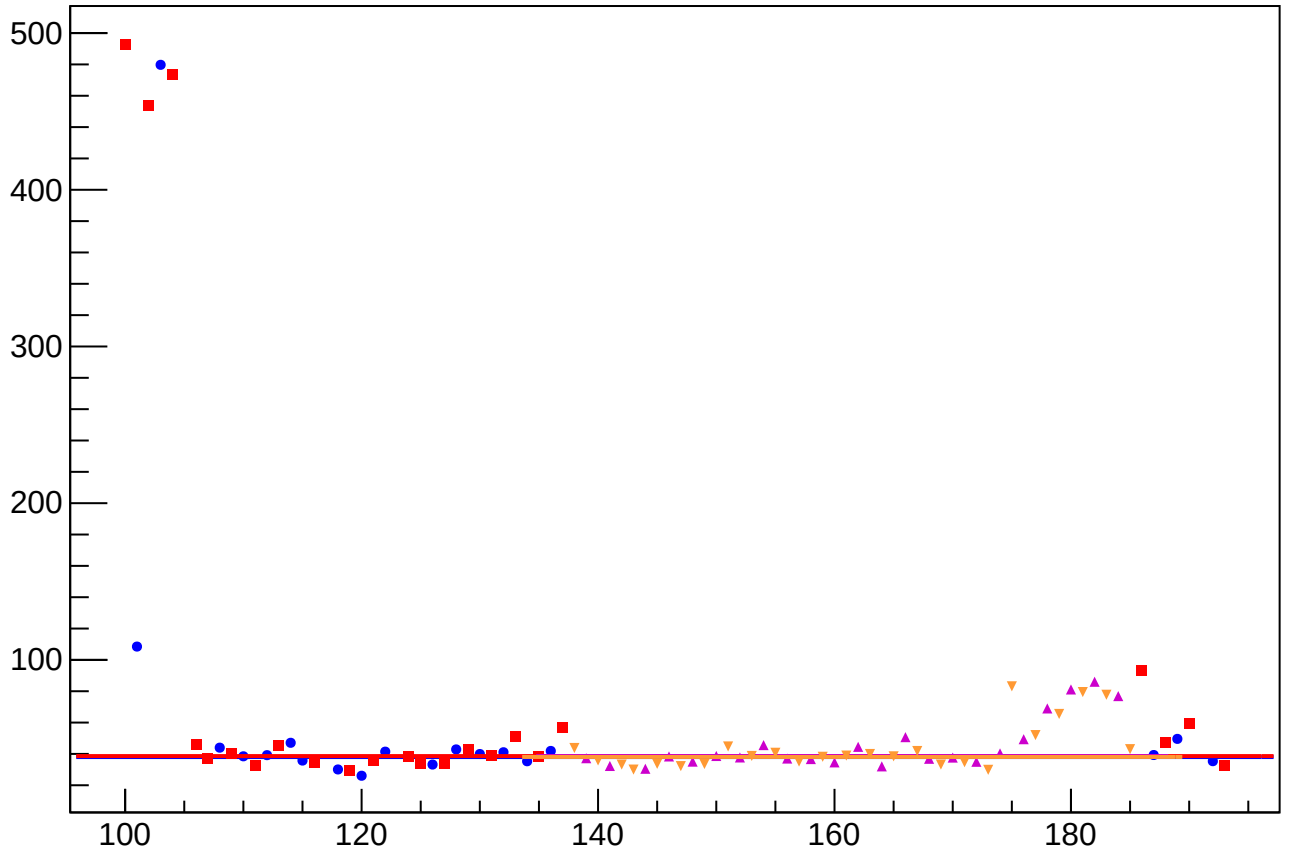
Right Out: -0.006+/-0.014 χ^2/NDF: 20.4/22

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 66.1/43

All: 0.005+/-0.006 χ^2/NDF: 106.1/89

- sign 0.003+/-0.008 χ^2/NDF: 39.9/45



Right In: 37.999+/-0.010 χ^2/NDF: 1792054.4/18

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

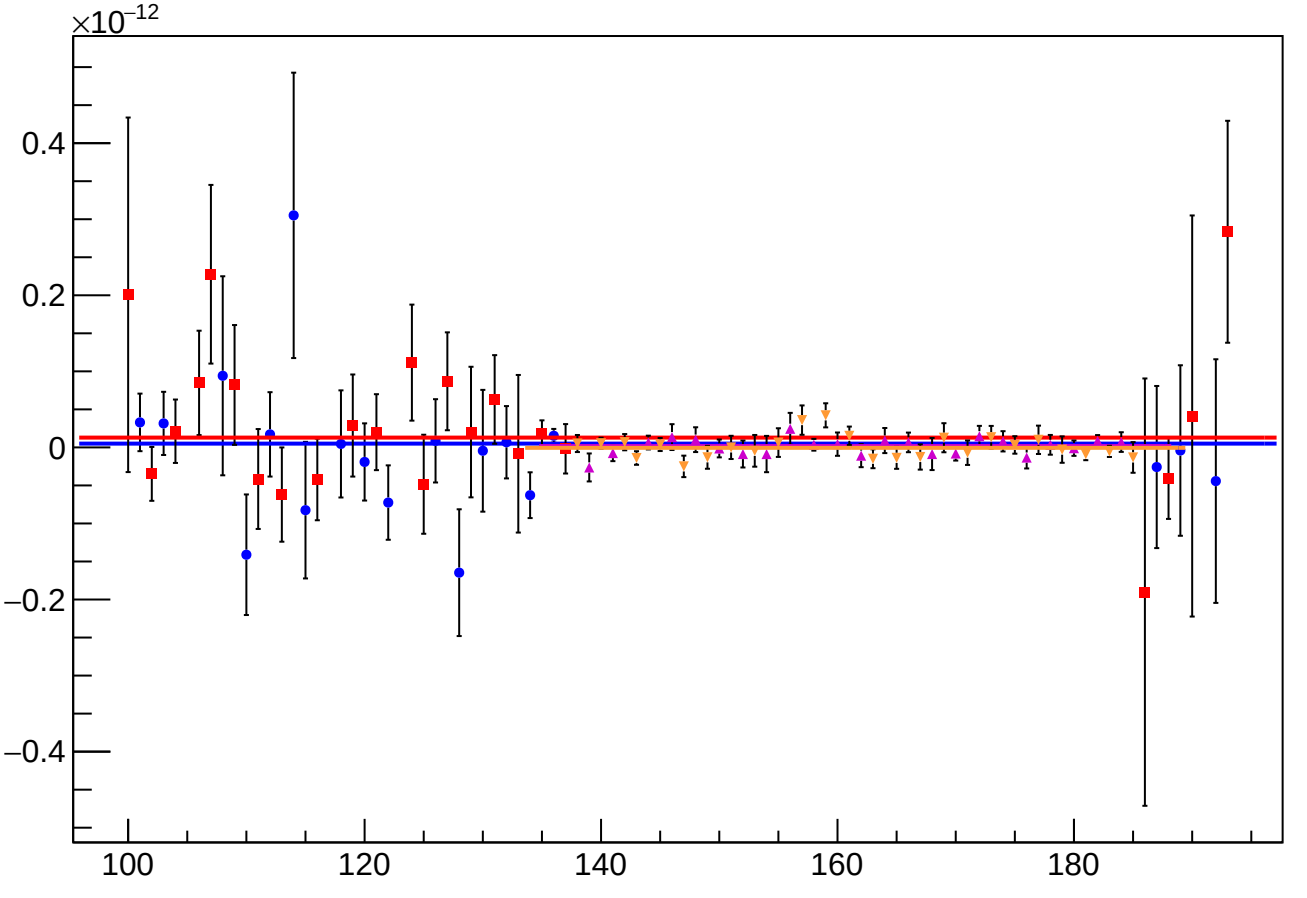
Right Out: 38.614+/-0.010 χ^2/NDF: 2391309.0/22

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 38.046+/-0.006 χ^2/NDF: 3759196.6/43

All: 38.330+/-0.004 χ^2/NDF: 7883381.3/89

- sign 38.624+/-0.006 χ^2/NDF: 4119009.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

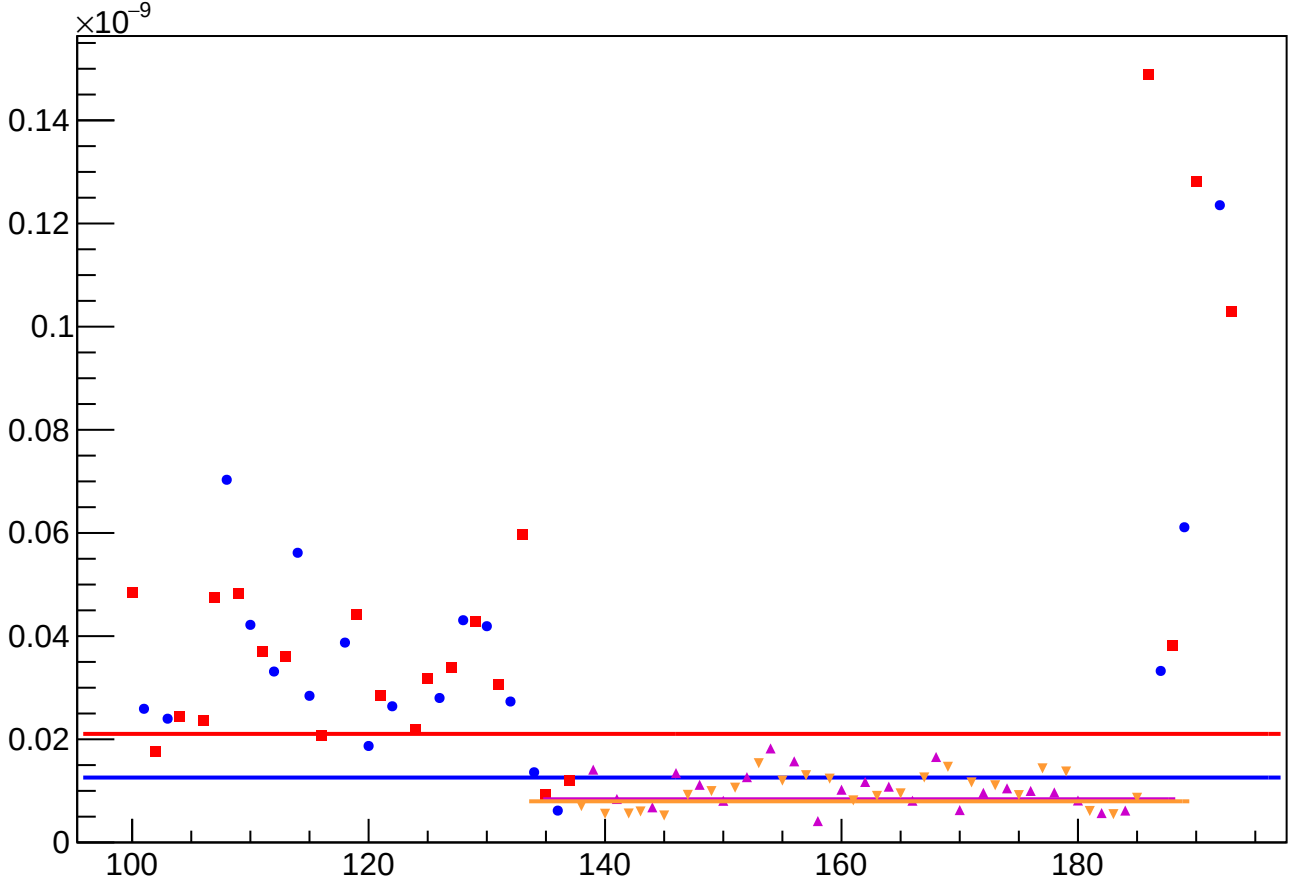
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/22

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: 83.5/89

- sign 0.000+/-0.000 χ^2/NDF: 33.7/45



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: 4239855.3/22

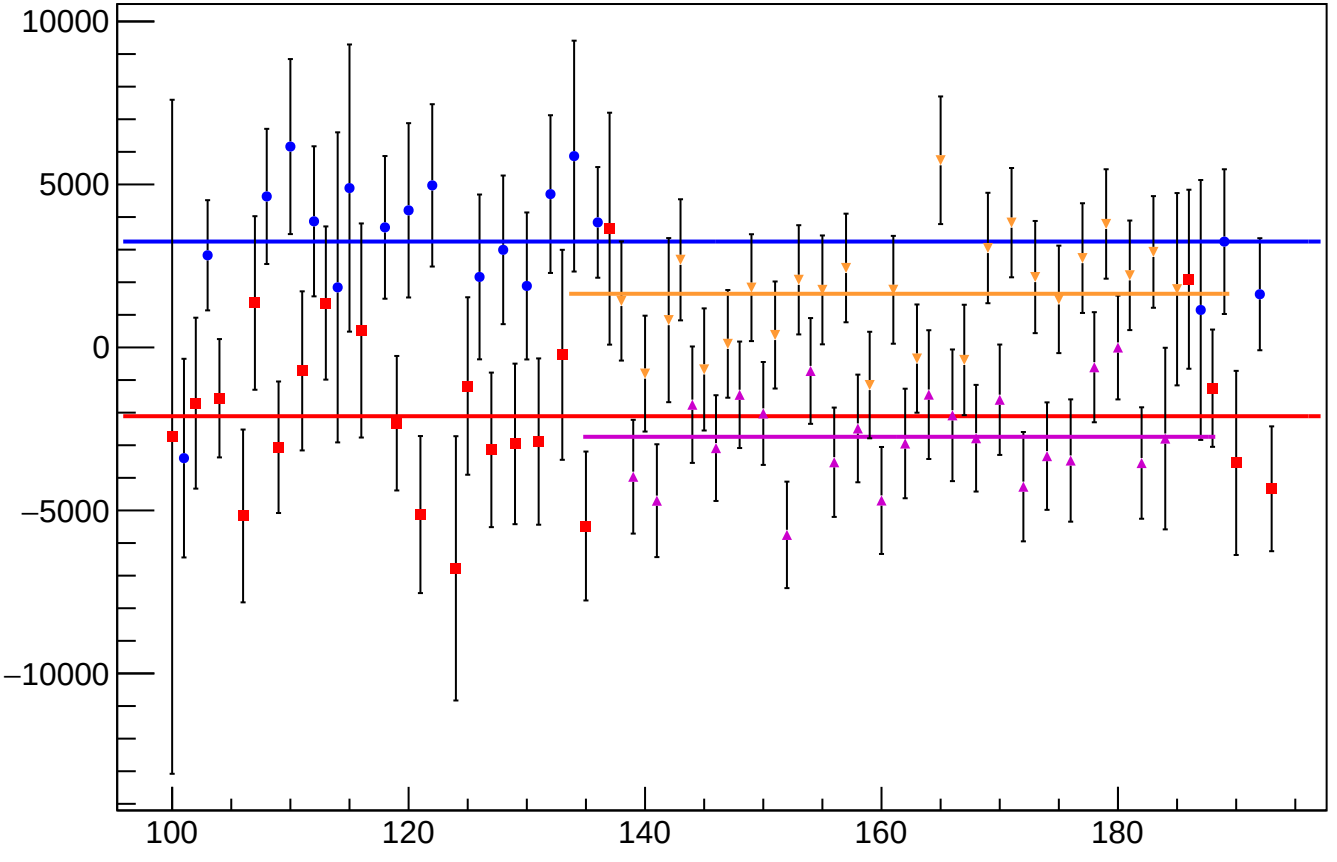
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8803491.3/43

All: 0.000+/-0.000 χ^2/NDF: 18757829.9/89

- sign 0.000+/-0.000 χ^2/NDF: 9866529.6/45

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: -2109.288+/-517.372 χ^2/NDF: 19.3/22

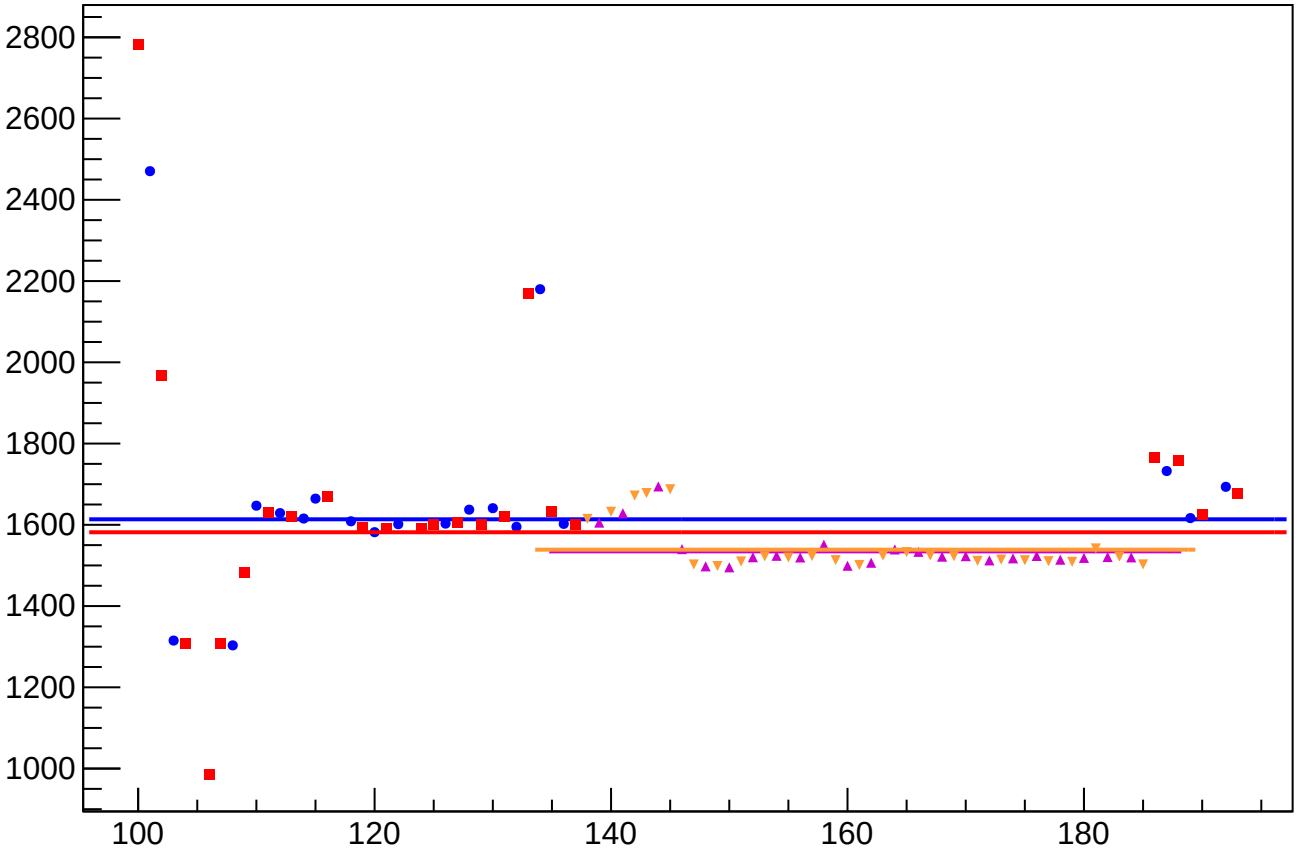
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2114.248+/-294.297 χ^2/NDF: 37.3/43

All: -208.135+/-208.223 χ^2/NDF: 198.7/89

- sign -2536.060+/-294.647 χ^2/NDF: 36.7/45

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: 1581.681+/-0.361 χ^2/NDF: 417964.4/22

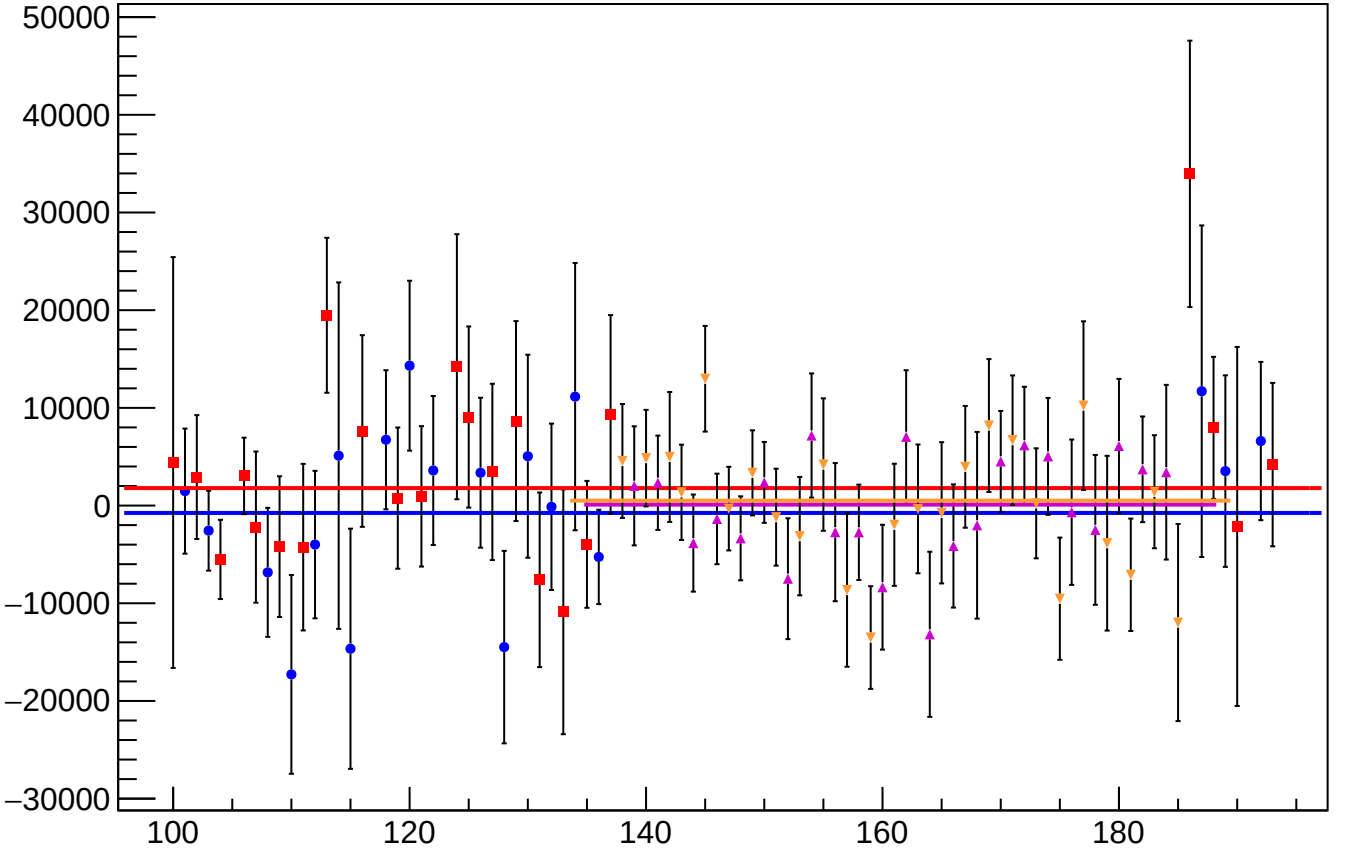
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1560.643+/-0.208 χ^2/NDF: 398162.4/43

All: 1555.381+/-0.147 χ^2/NDF: 859904.5/89

- sign 1550.151+/-0.207 χ^2/NDF: 460467.1/45

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

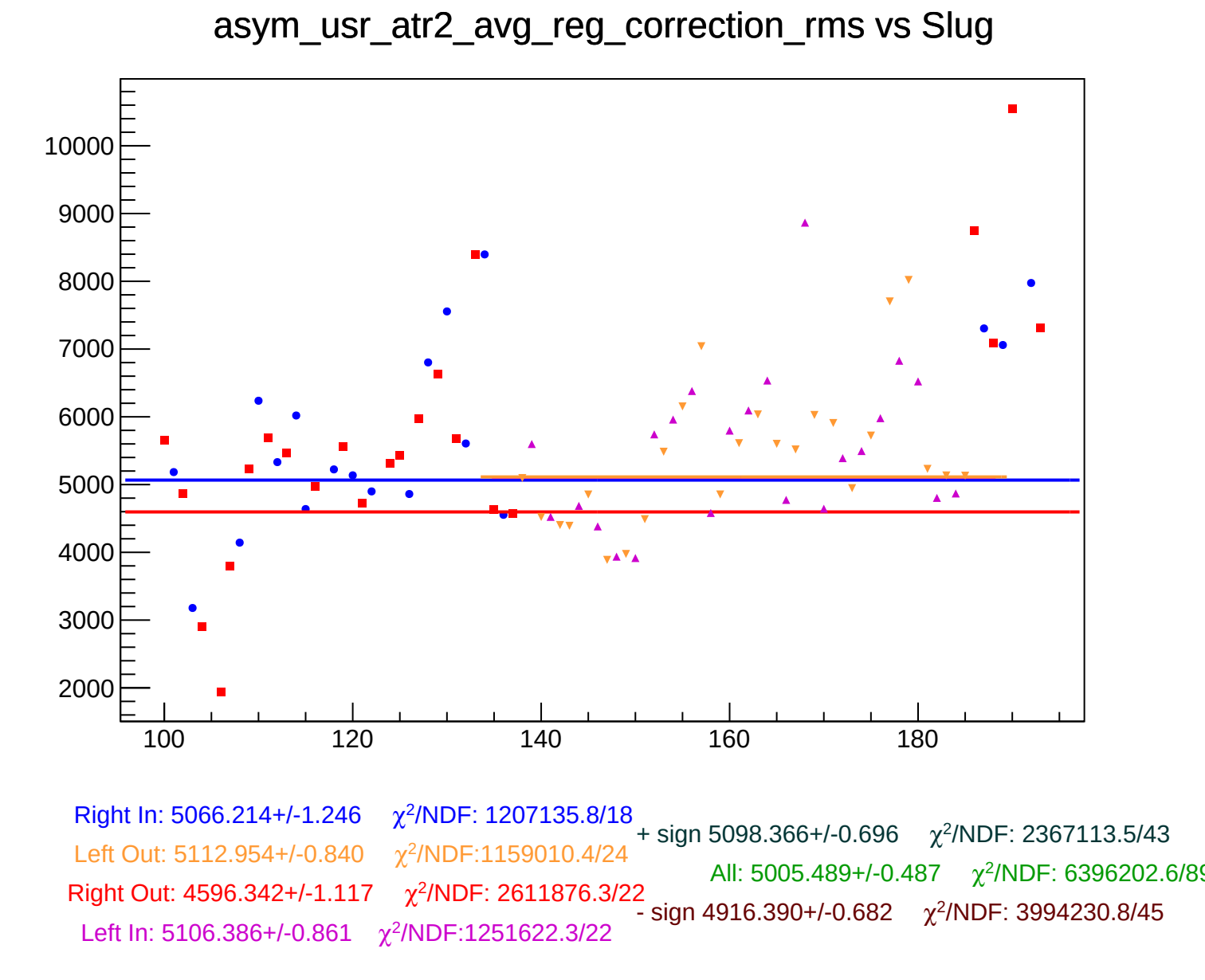
Right Out: 1788.928+/-1580.287 χ^2/NDF: 22.0/22

Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

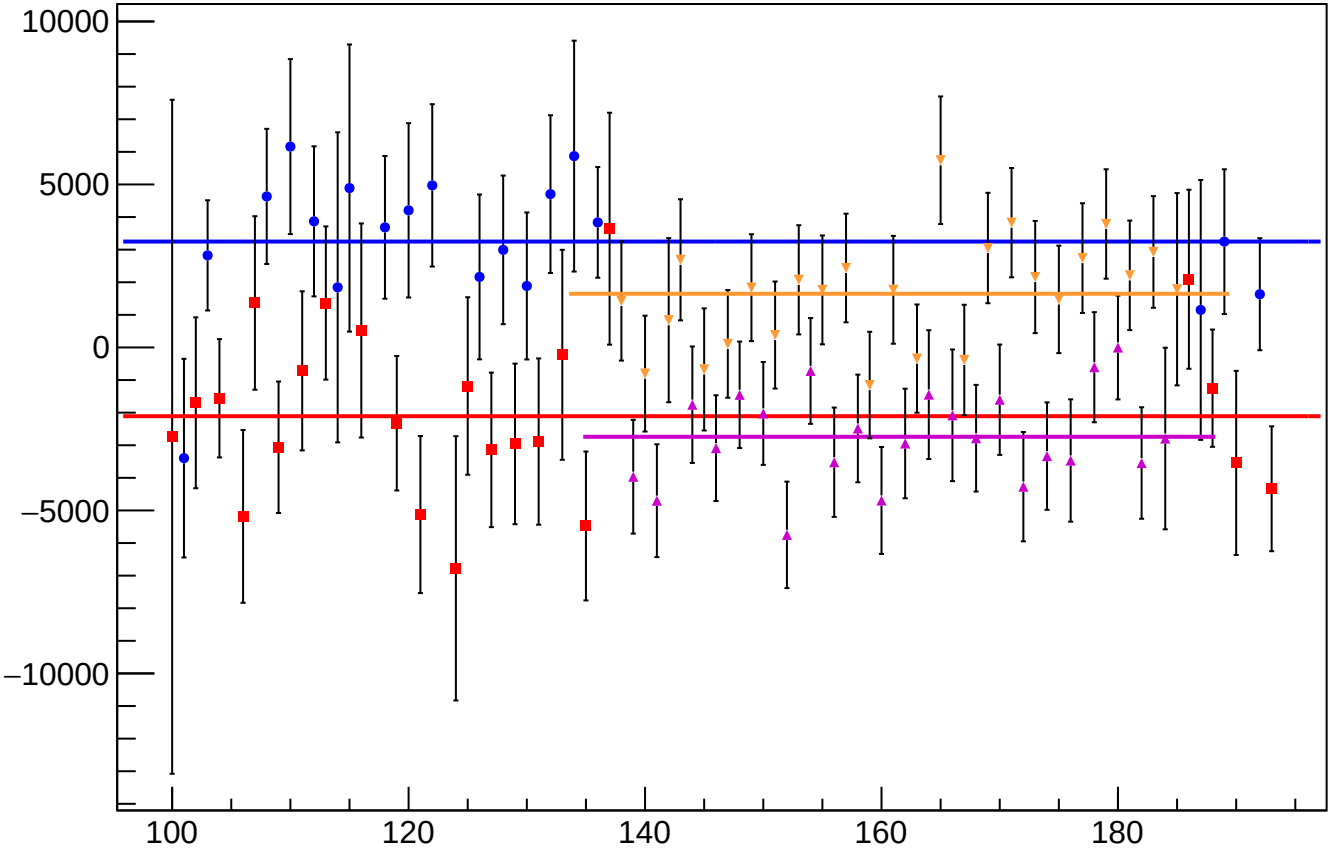
+ sign 111.276+/-984.747 χ^2/NDF: 42.7/43

All: 425.954+/-689.052 χ^2/NDF: 80.5/89

- sign 727.827+/-964.503 χ^2/NDF: 37.6/45


asym_usr_atr2_avg_reg_correction_rms vs Slug
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
Right In: 5066.214+/-1.246 χ²/NDF: 1207135.8/18
Left Out: 5112.954+/-0.840 χ²/NDF:1159010.4/24
Right Out: 4596.342+/-1.117 χ²/NDF: 2611876.3/22
Left In: 5106.386+/-0.861 χ²/NDF:1251622.3/22
+ sign 5098.366+/-0.696 χ²/NDF: 2367113.5/43
All: 5005.489+/-0.487 χ²/NDF: 6396202.6/89
- sign 4916.390+/-0.682 χ²/NDF: 3994230.8/45

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: -2109.285+/-517.374 χ^2/NDF: 19.3/22

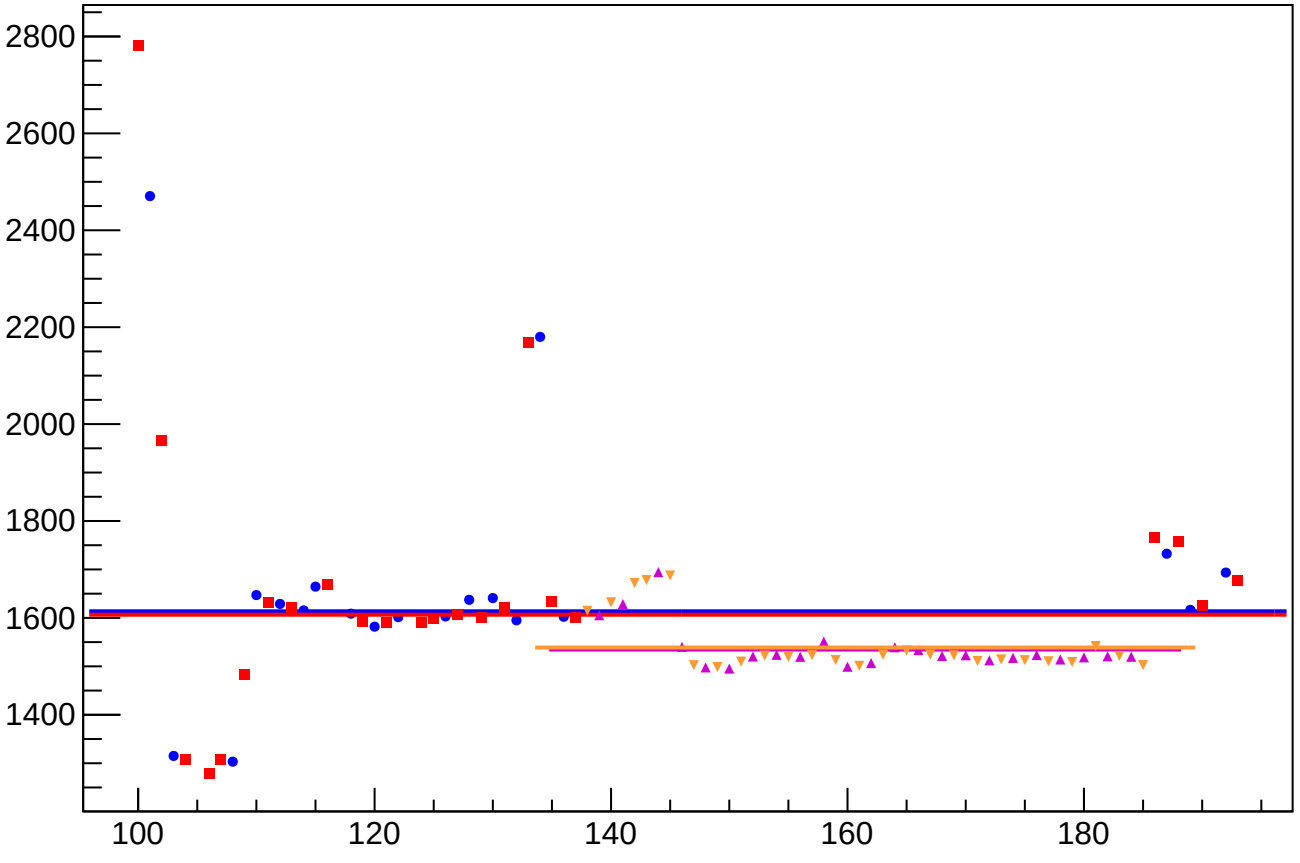
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2114.097+/-294.297 χ^2/NDF: 37.3/43

All: -208.175+/-208.223 χ^2/NDF: 198.7/89

- sign -2535.993+/-294.648 χ^2/NDF: 36.7/45

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

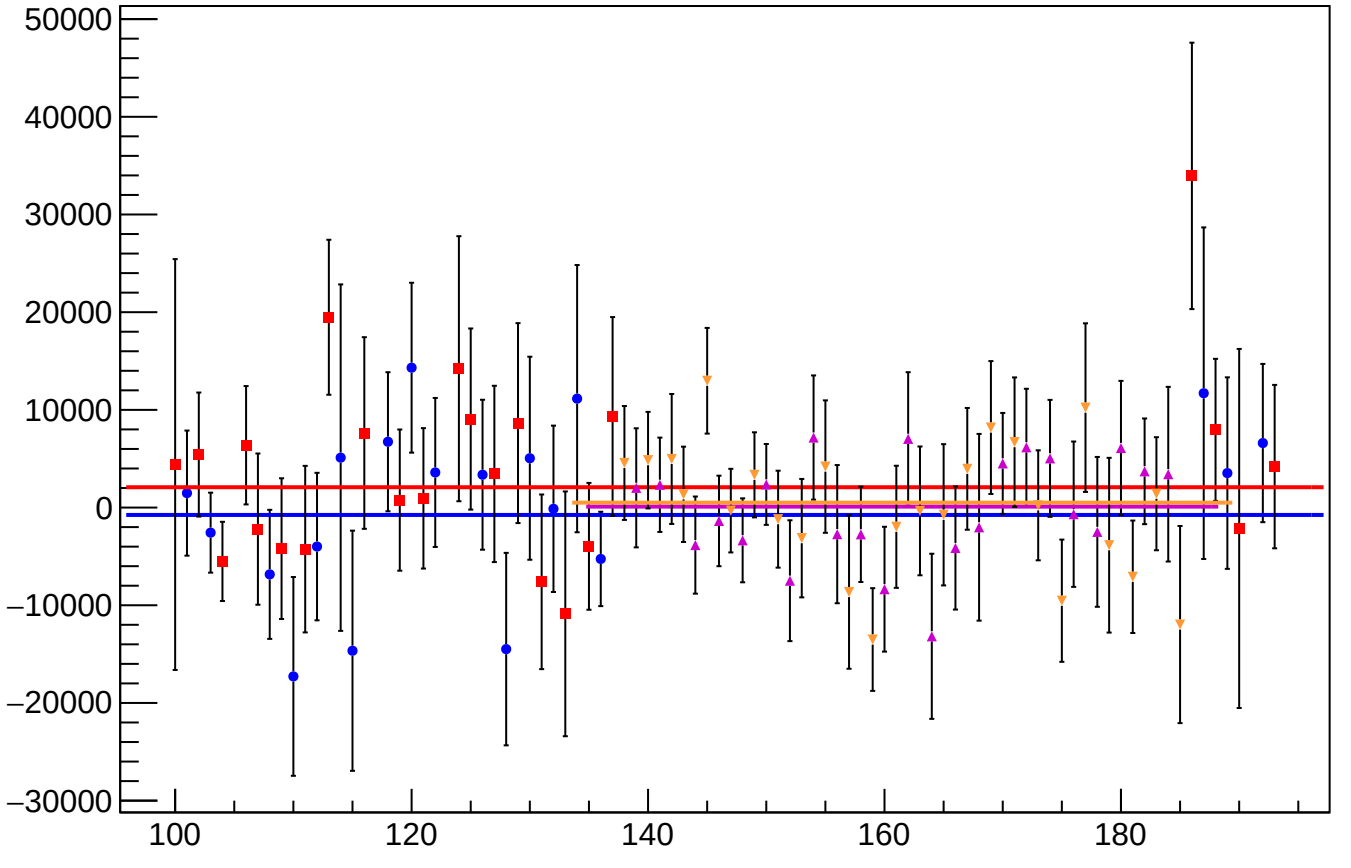
Right Out: 1606.573+/-0.365 χ^2/NDF: 272562.0/22

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1560.643+/-0.208 χ^2/NDF: 398161.7/43

All: 1559.347+/-0.147 χ^2/NDF: 728170.6/89

- sign 1558.050+/-0.208 χ^2/NDF: 329931.2/45



Right In: -754.175+/-1762.729 χ^2/NDF: 15.5/18

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

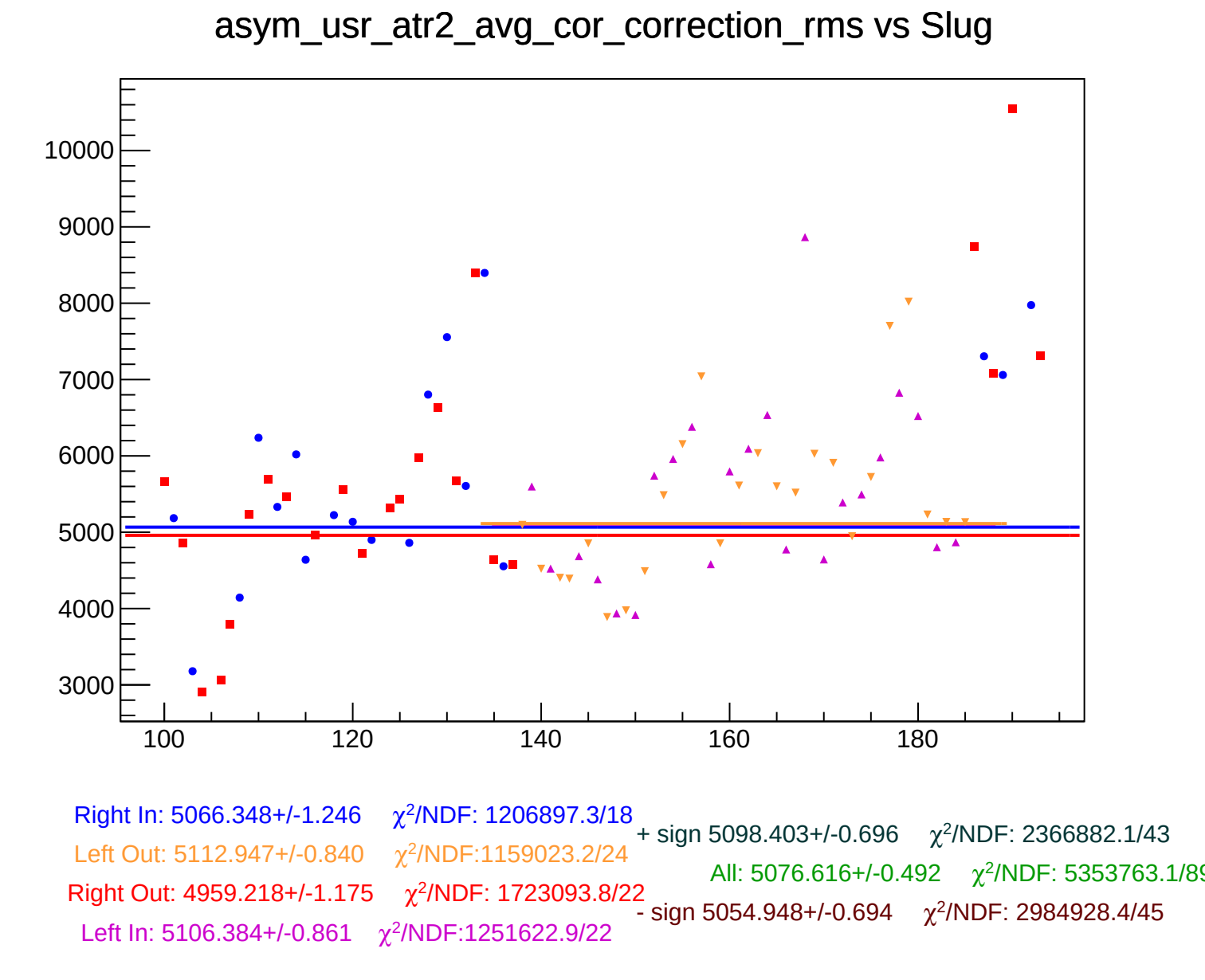
Right Out: 2081.807+/-1661.090 χ^2/NDF: 22.8/22

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

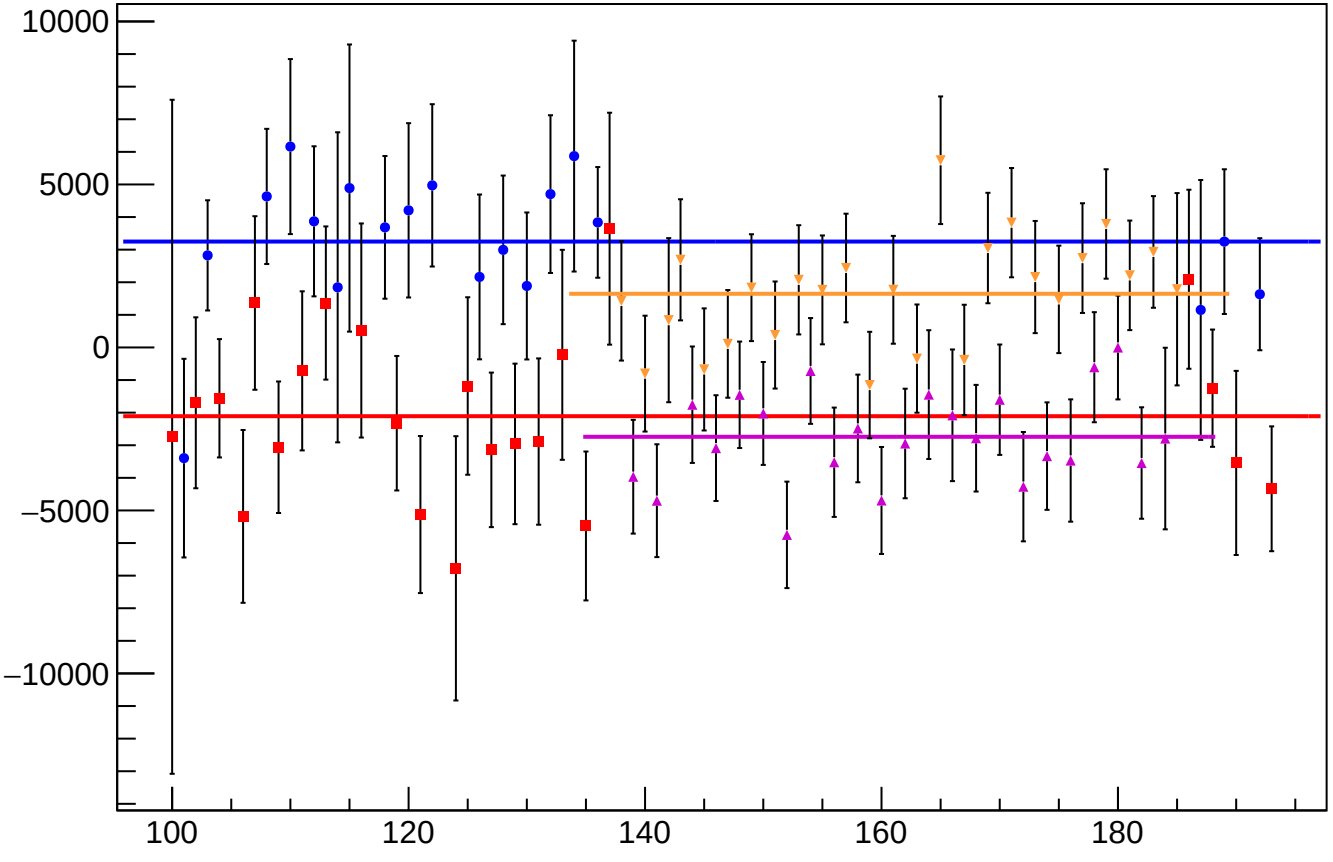
\+ sign 111.230+/-984.751 χ^2/NDF: 42.7/43

All: 452.213+/-695.357 χ^2/NDF: 81.5/89

\- sign 791.308+/-982.021 χ^2/NDF: 38.6/45


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: 4959.218+/-1.175 χ²/NDF: 1723093.8/22
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
+ sign 5098.403+/-0.696 χ²/NDF: 2366882.1/43
All: 5076.616+/-0.492 χ²/NDF: 5353763.1/89
- sign 5054.948+/-0.694 χ²/NDF: 2984928.4/45

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: -2109.285+/-517.374 χ^2/NDF: 19.3/22

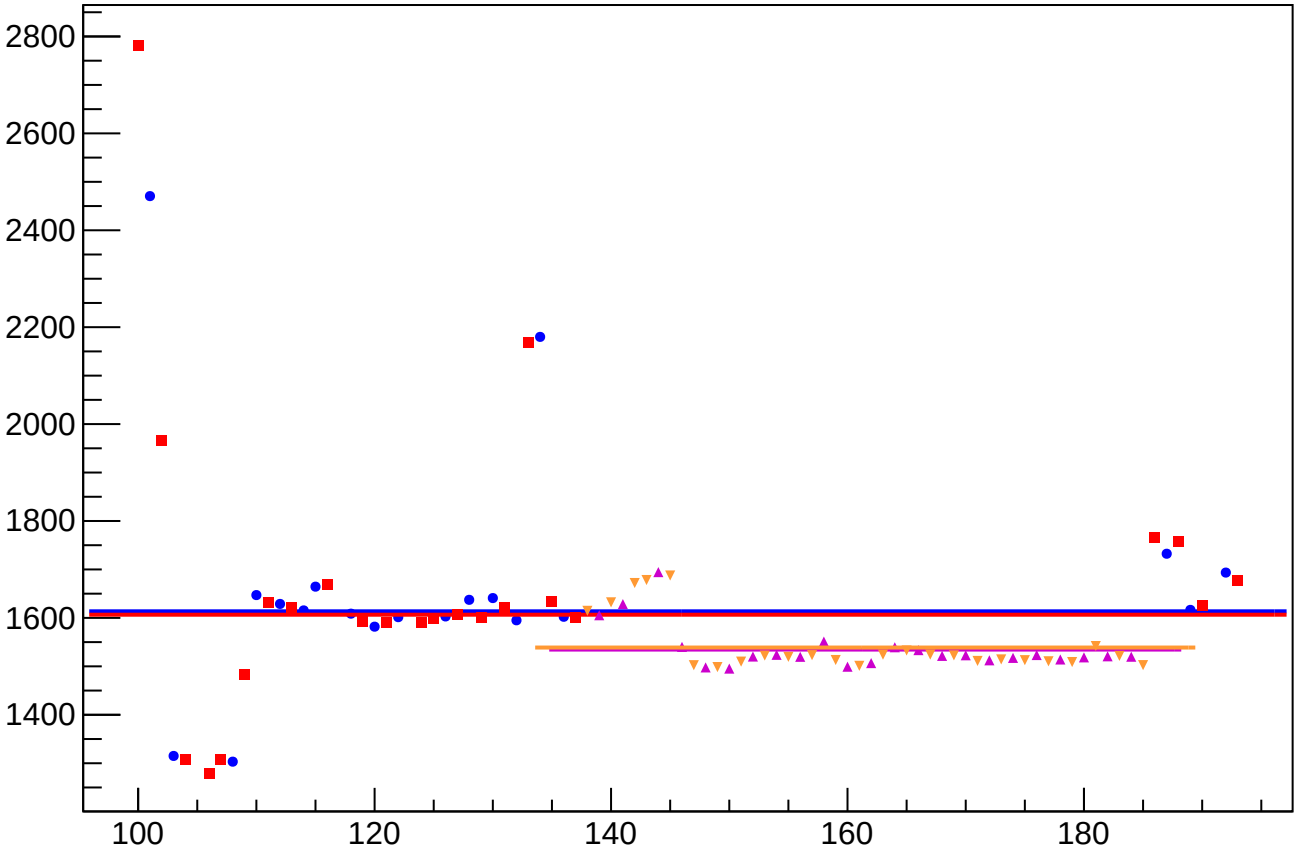
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2114.097+/-294.297 χ^2/NDF: 37.3/43

All: -208.175+/-208.223 χ^2/NDF: 198.7/89

- sign -2535.993+/-294.648 χ^2/NDF: 36.7/45

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

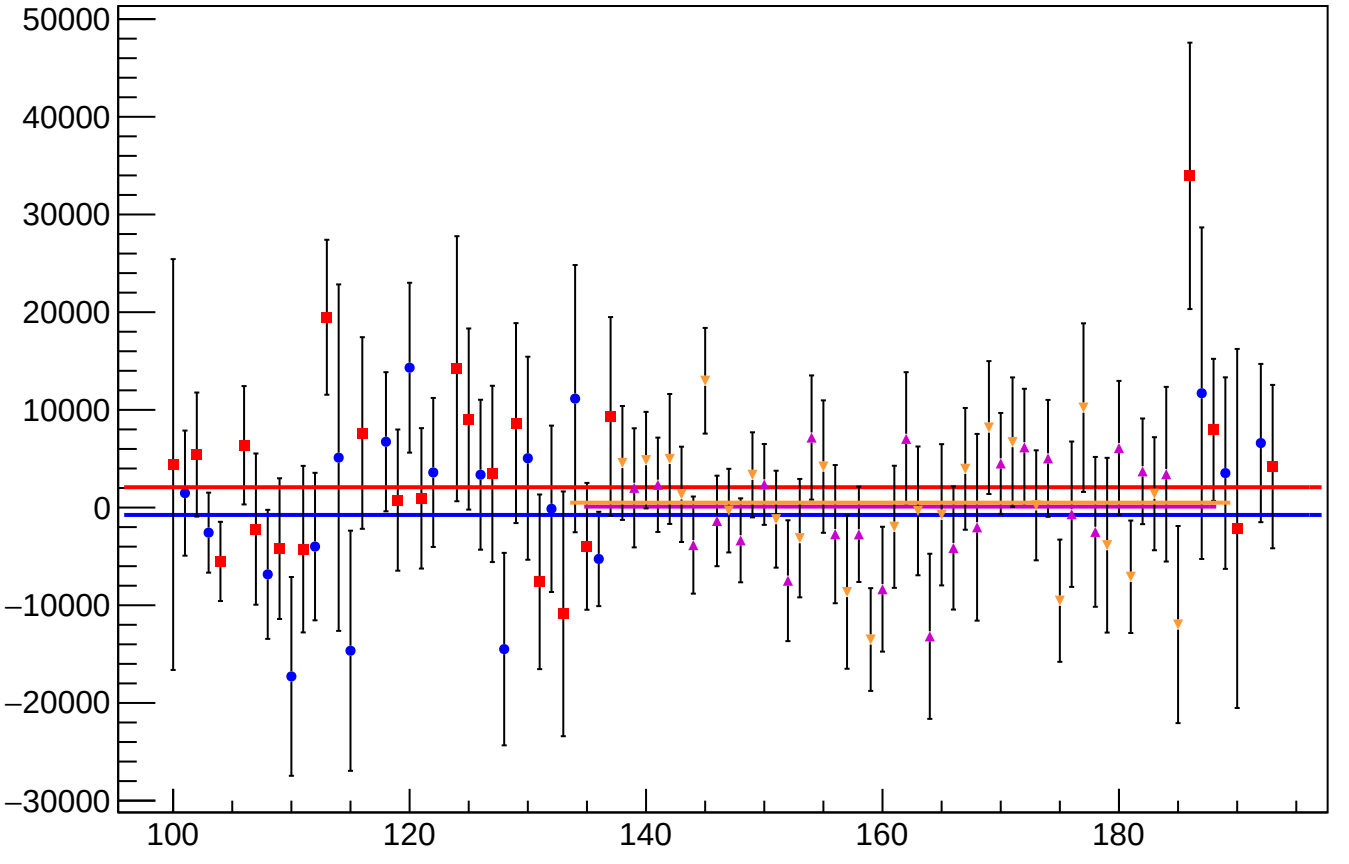
Right Out: 1606.573+/-0.365 χ^2/NDF: 272562.0/22

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1560.643+/-0.208 χ^2/NDF: 398161.7/43

All: 1559.347+/-0.147 χ^2/NDF: 728170.6/89

- sign 1558.050+/-0.208 χ^2/NDF: 329931.2/45



Right In: -754.175+/-1762.729 χ^2/NDF: 15.5/18

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

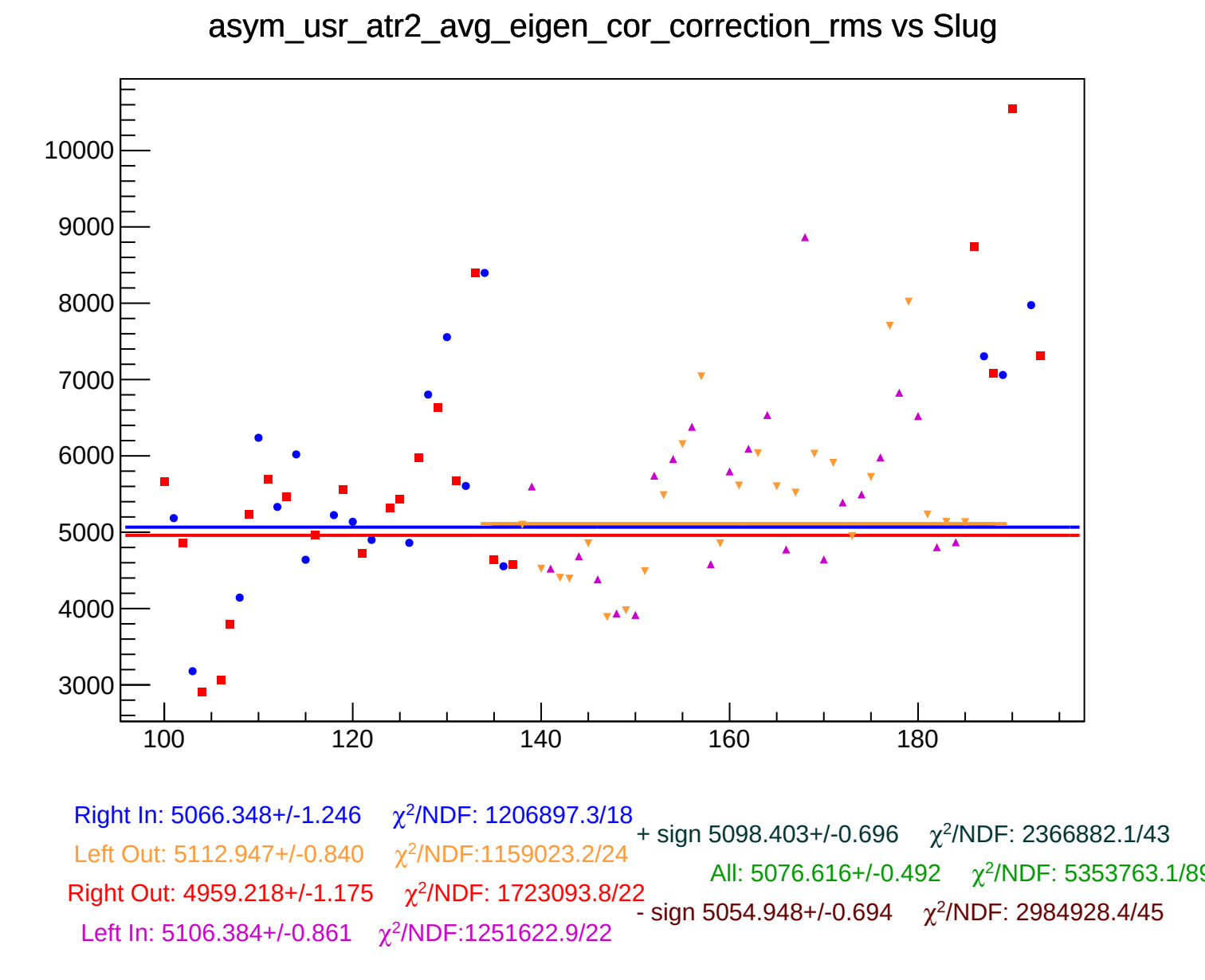
Right Out: 2081.807+/-1661.090 χ^2/NDF: 22.8/22

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

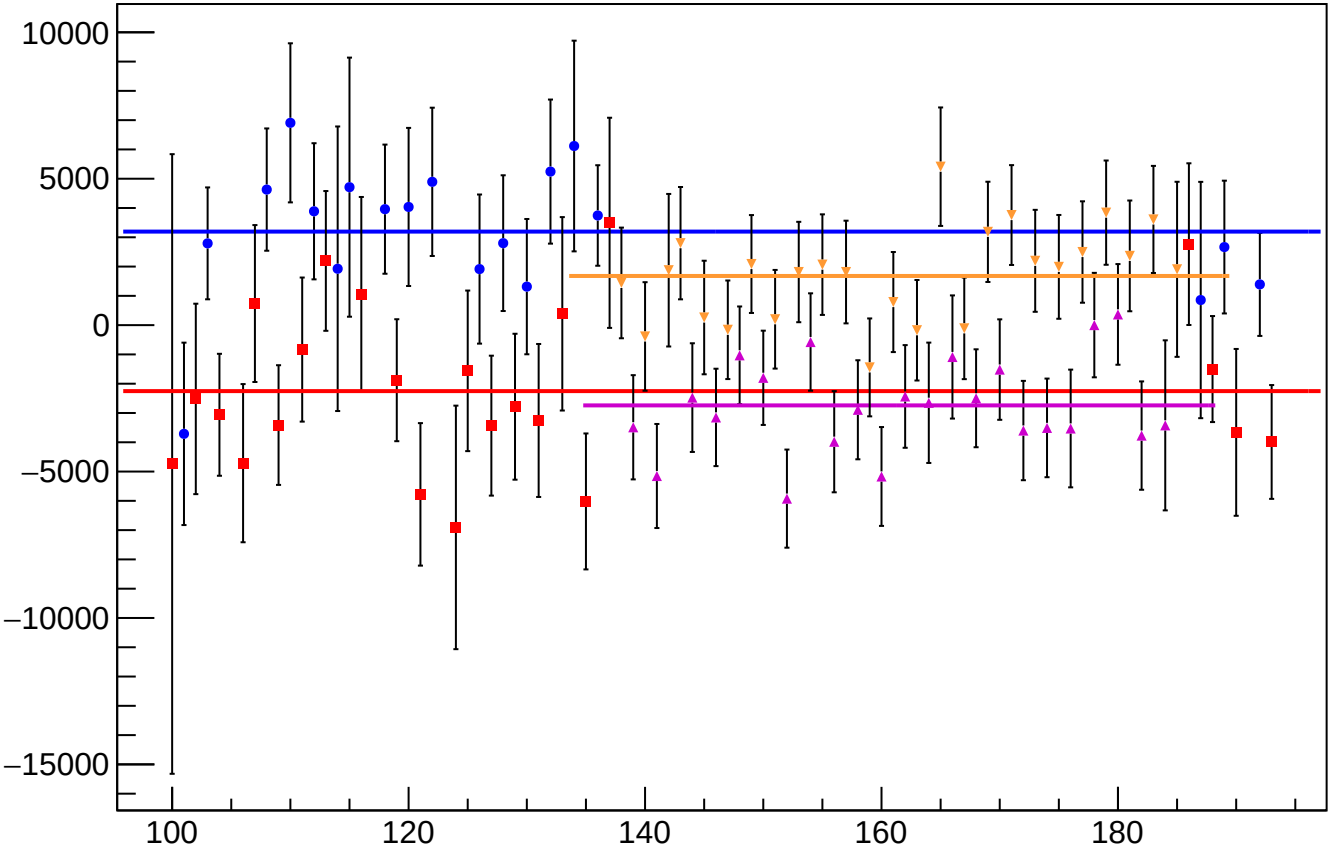
+ sign 111.230+/-984.751 χ^2/NDF: 42.7/43

All: 452.213+/-695.357 χ^2/NDF: 81.5/89

- sign 791.308+/-982.021 χ^2/NDF: 38.6/45


asym_usr_atr2_avg_eigen_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: 4959.218+/-1.175 χ²/NDF: 1723093.8/22
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
+ sign 5098.403+/-0.696 χ²/NDF: 2366882.1/43
All: 5076.616+/-0.492 χ²/NDF: 5353763.1/89
- sign 5054.948+/-0.694 χ²/NDF: 2984928.4/45

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: -2252.842+/-531.949 χ^2/NDF: 21.6/22

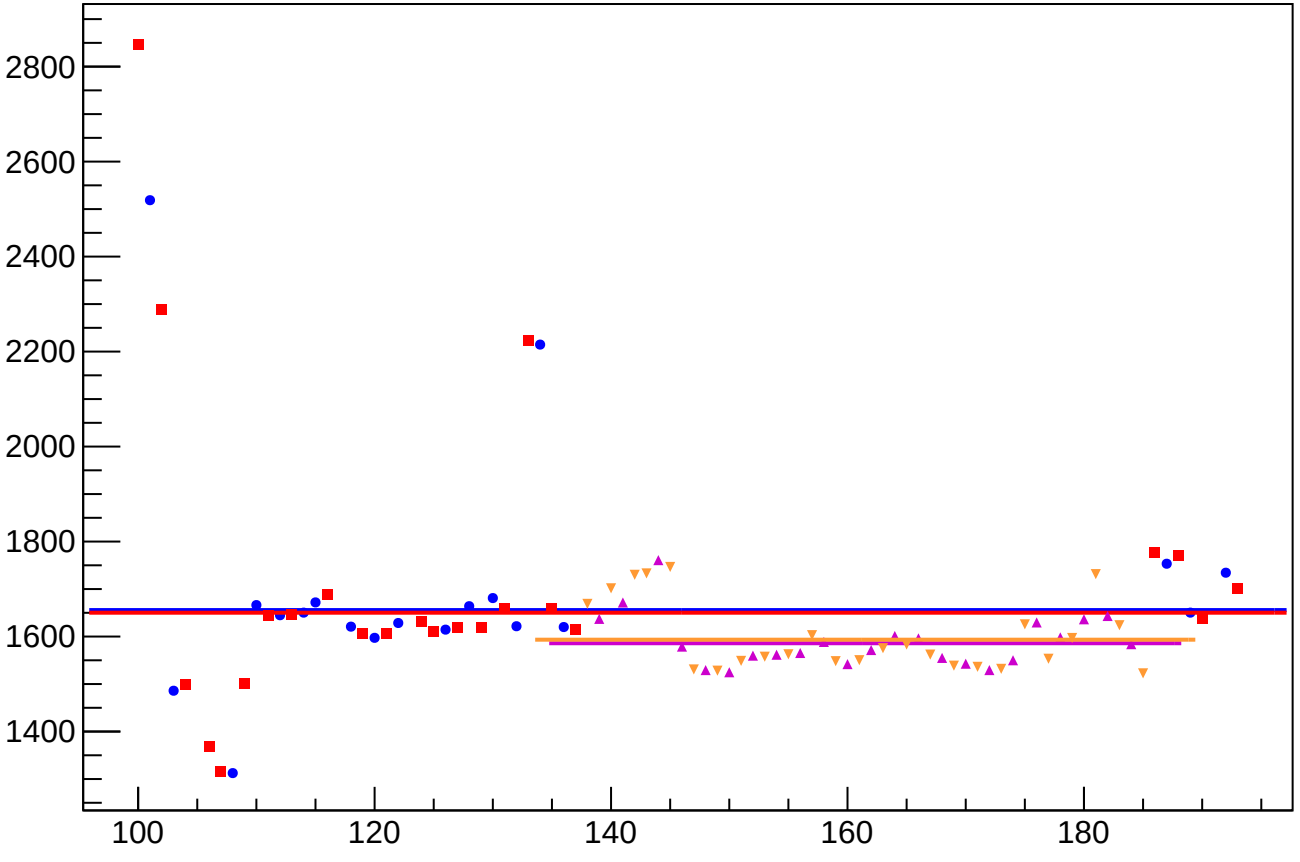
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2128.321+/-303.973 χ^2/NDF: 36.2/43

All: -225.620+/-214.980 χ^2/NDF: 197.6/89

- sign -2581.259+/-304.083 χ^2/NDF: 41.4/45

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: 1650.215+/-0.376 χ^2/NDF: 255098.0/22

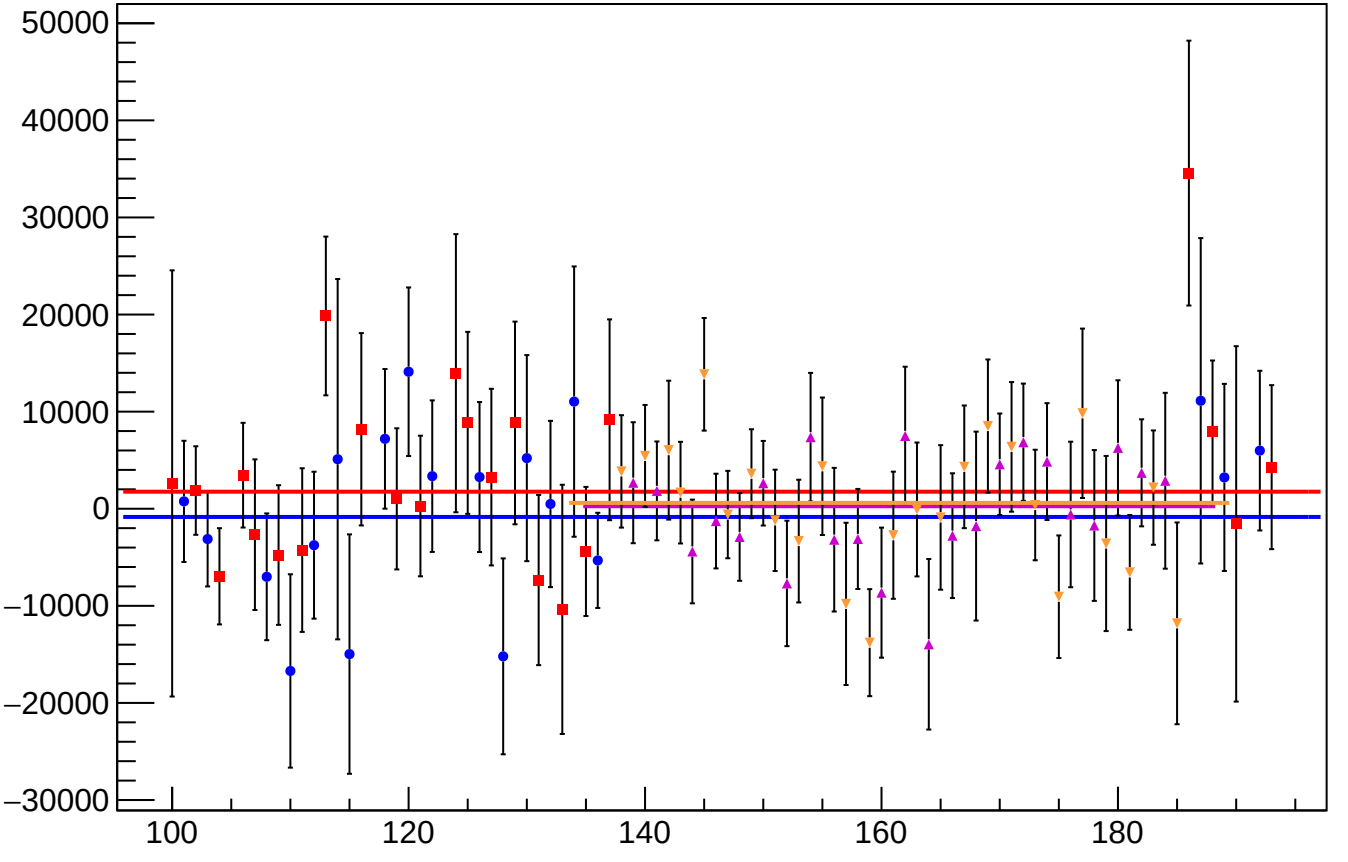
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1611.870+/-0.215 χ^2/NDF: 370124.3/43

All: 1609.409+/-0.152 χ^2/NDF: 687088.9/89

- sign 1606.947+/-0.215 χ^2/NDF: 316702.4/45

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: 1754.666+/-1648.219 χ^2/NDF: 22.0/22

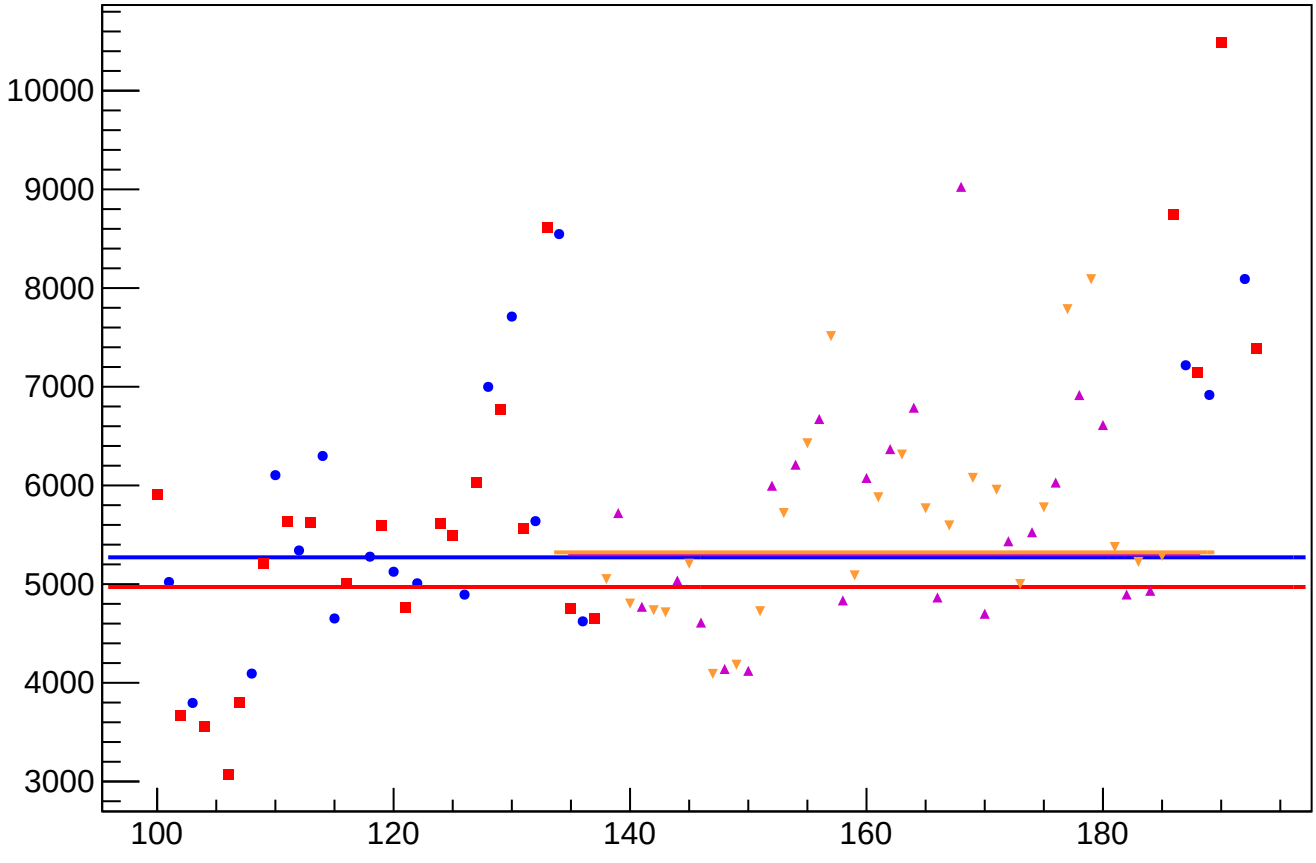
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

+ sign 145.978+/-1020.979 χ^2/NDF: 41.9/43

All: 484.196+/-715.251 χ^2/NDF: 79.2/89

- sign 810.161+/-1002.314 χ^2/NDF: 37.1/45

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: 4970.863+/-1.165 χ^2/NDF: 1613738.3/22

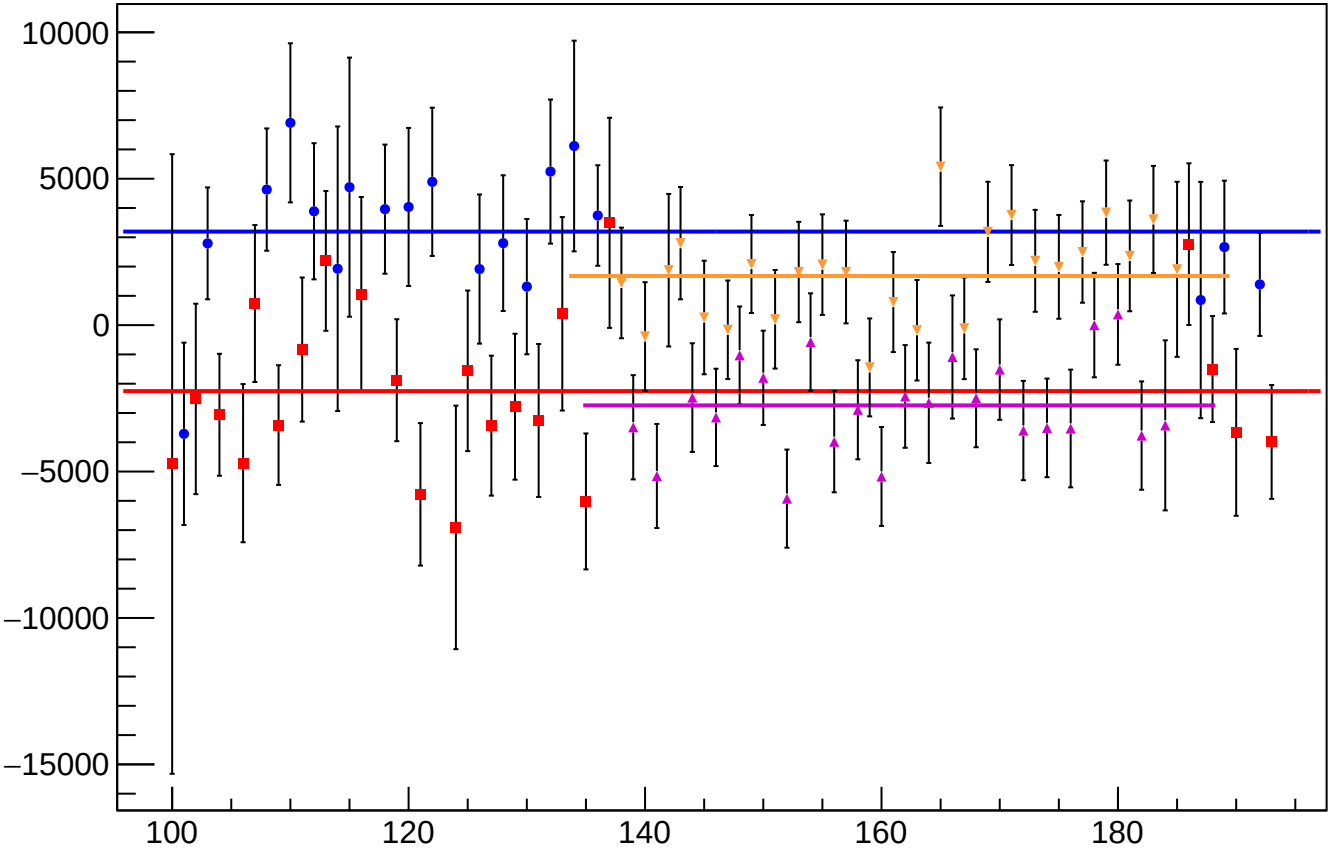
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5306.072+/-0.722 χ^2/NDF: 1956357.8/43

All: 5241.913+/-0.506 χ^2/NDF: 4789116.5/89

- sign 5180.077+/-0.709 χ^2/NDF: 2817248.8/45

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: -2252.848+/-531.949 χ^2/NDF: 21.6/22

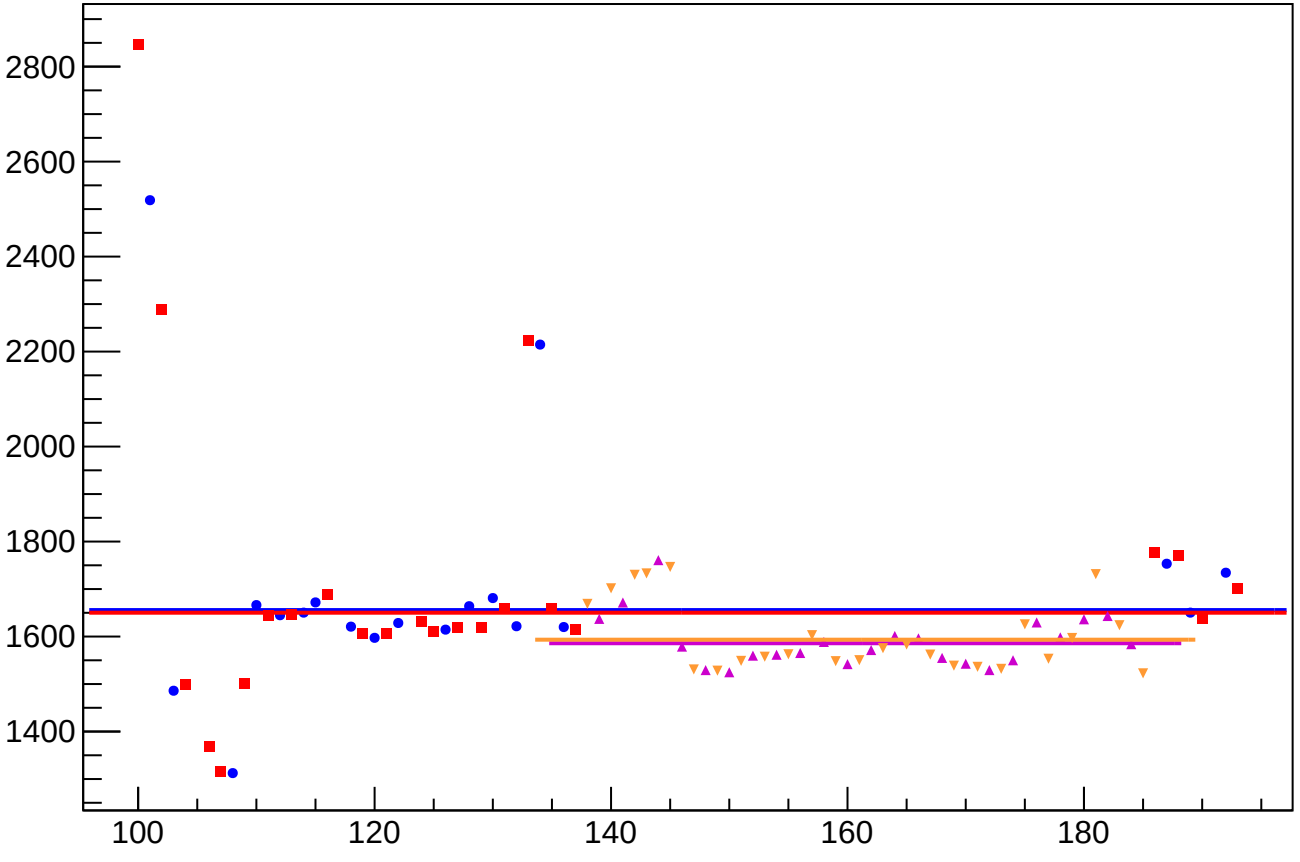
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2128.317+/-303.973 χ^2/NDF: 36.2/43

All: -225.622+/-214.980 χ^2/NDF: 197.6/89

- sign -2581.261+/-304.083 χ^2/NDF: 41.4/45

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: 1650.214+/-0.376 χ^2/NDF: 255097.7/22

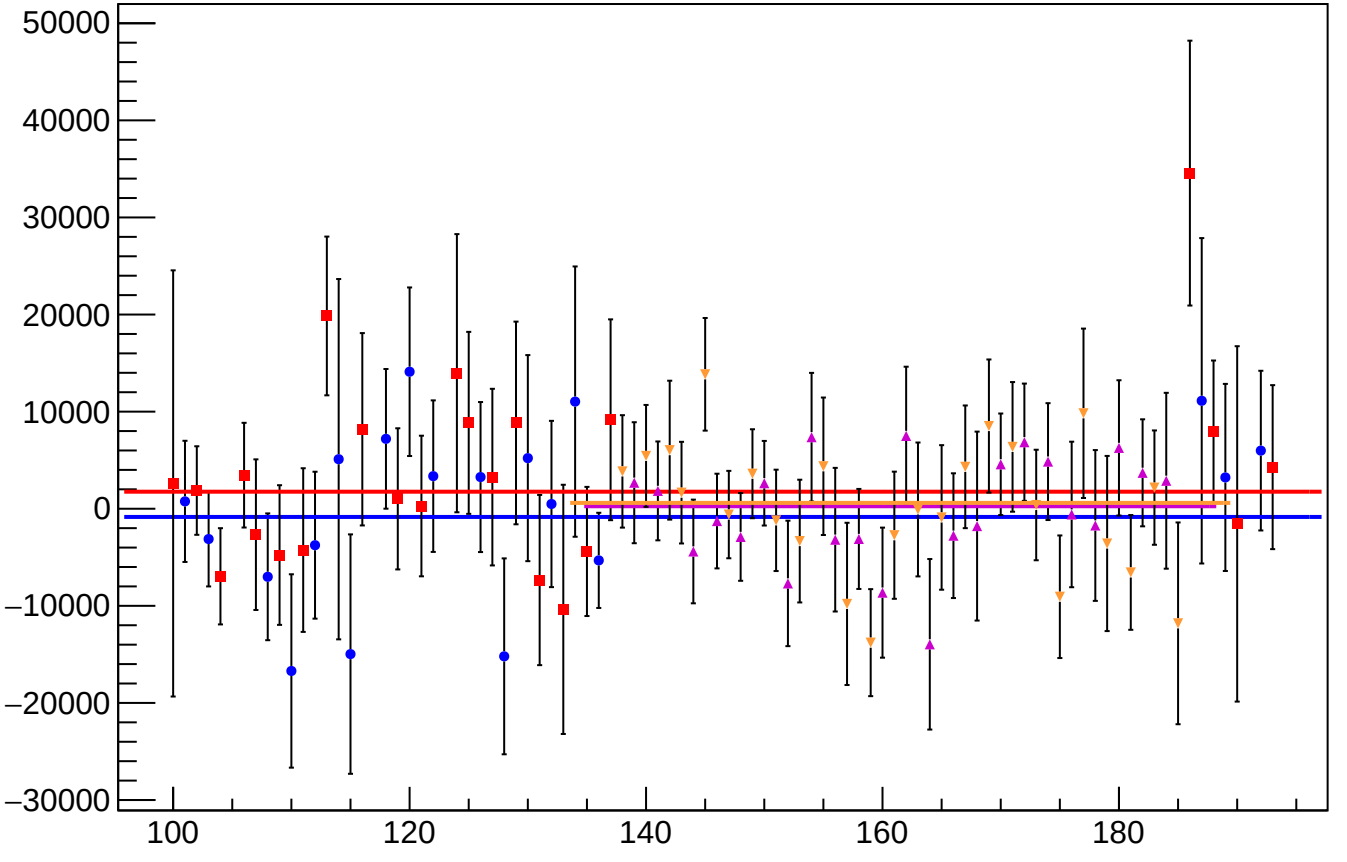
Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

\+ sign 1611.871+/-0.215 χ^2/NDF: 370123.3/43

All: 1609.410+/-0.152 χ^2/NDF: 687086.5/89

\- sign 1606.948+/-0.215 χ^2/NDF: 316701.0/45

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug



Right In: -845.452+/-1819.224 χ^2/NDF: 15.4/18

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

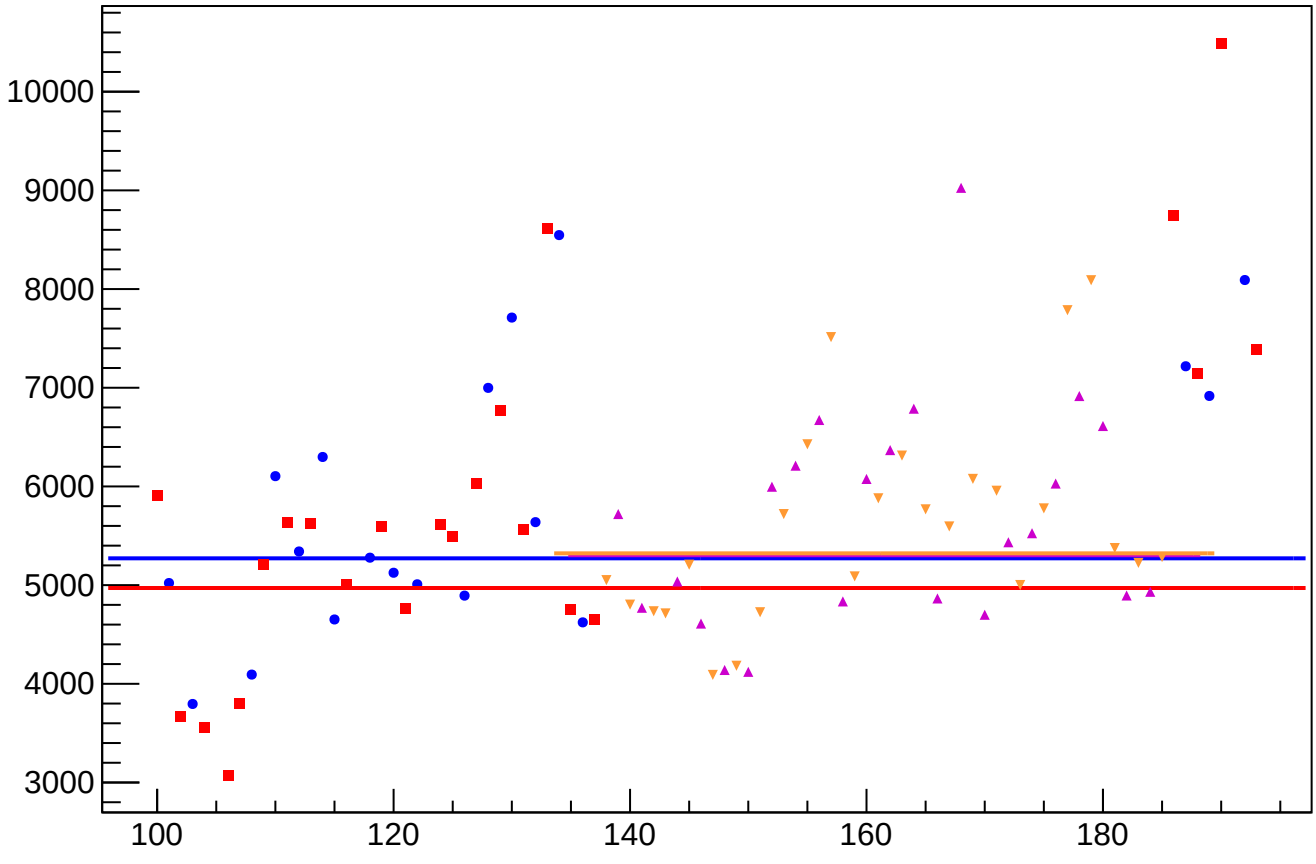
Right Out: 1754.663+/-1648.216 χ^2/NDF: 22.0/22

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

+ sign 145.978+/-1020.980 χ^2/NDF: 41.9/43

All: 484.198+/-715.251 χ^2/NDF: 79.2/89

- sign 810.164+/-1002.315 χ^2/NDF: 37.1/45



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: 4970.856+/-1.165 χ^2/NDF: 1613734.9/22

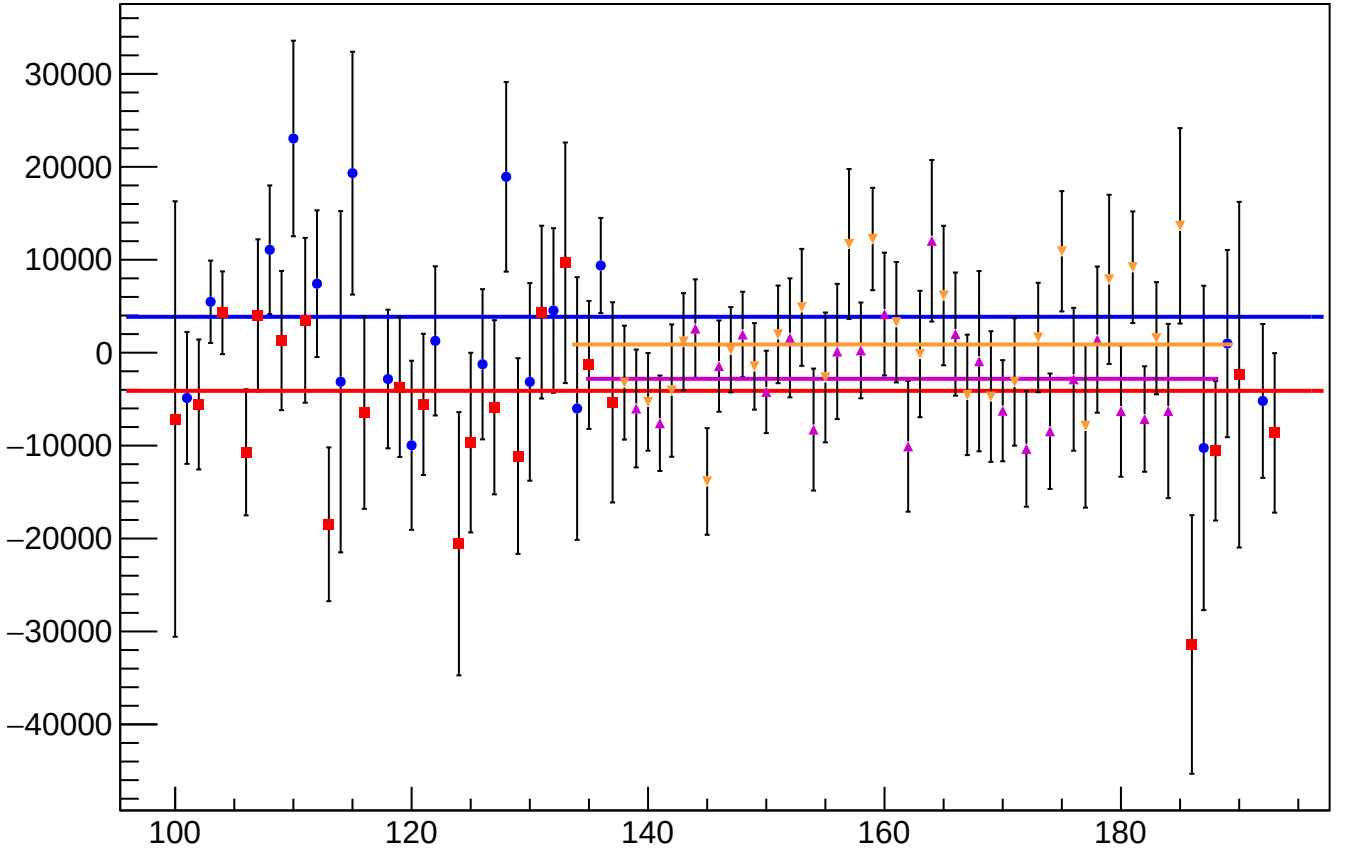
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5306.076+/-0.722 χ^2/NDF: 1956356.4/43

All: 5241.916+/-0.506 χ^2/NDF: 4789120.9/89

- sign 5180.080+/-0.709 χ^2/NDF: 2817254.1/45

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: -4106.169+/-1763.739 χ^2/NDF: 19.1/22

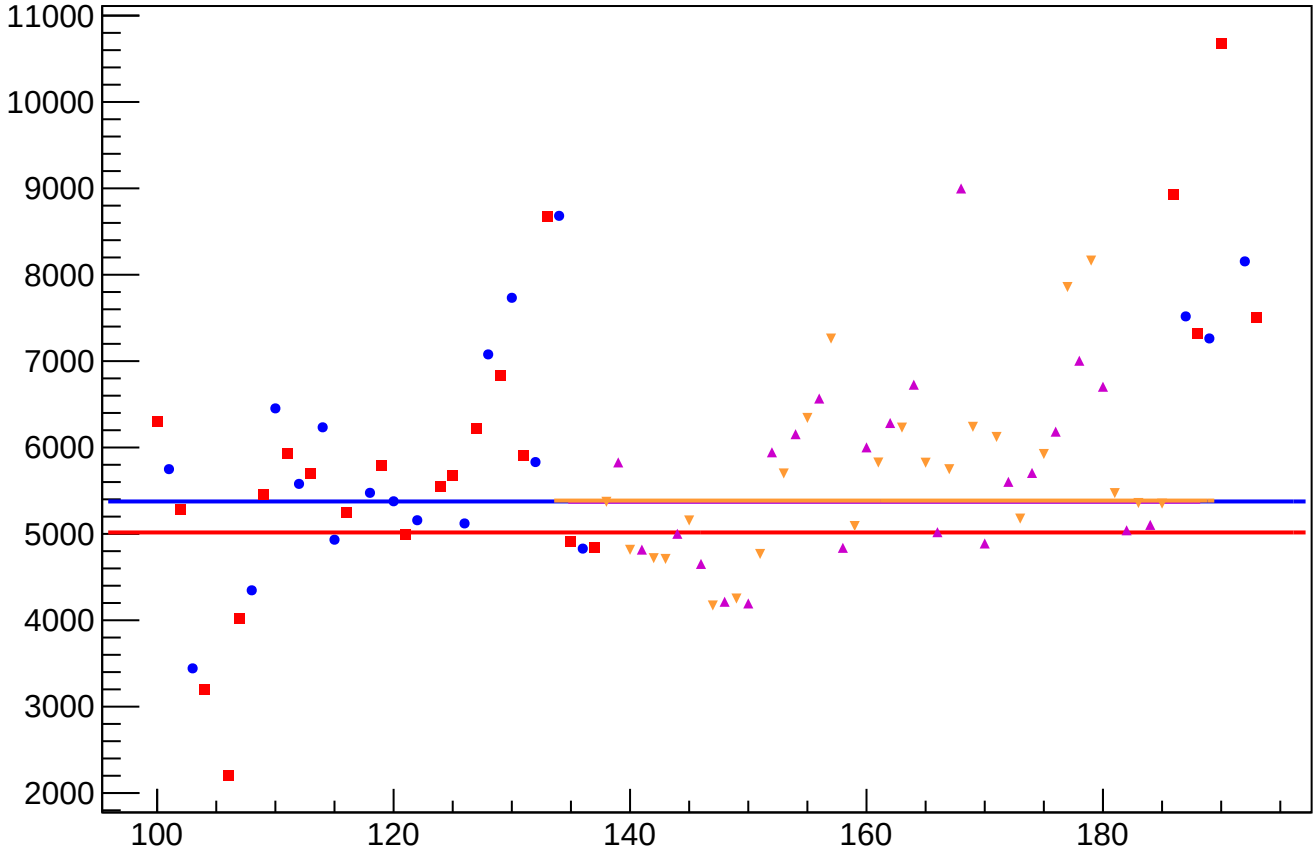
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1806.073+/-1035.827 χ^2/NDF: 45.0/43

All: -728.461+/-731.959 χ^2/NDF: 91.1/89

- sign -3256.350+/-1034.468 χ^2/NDF: 34.1/45

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

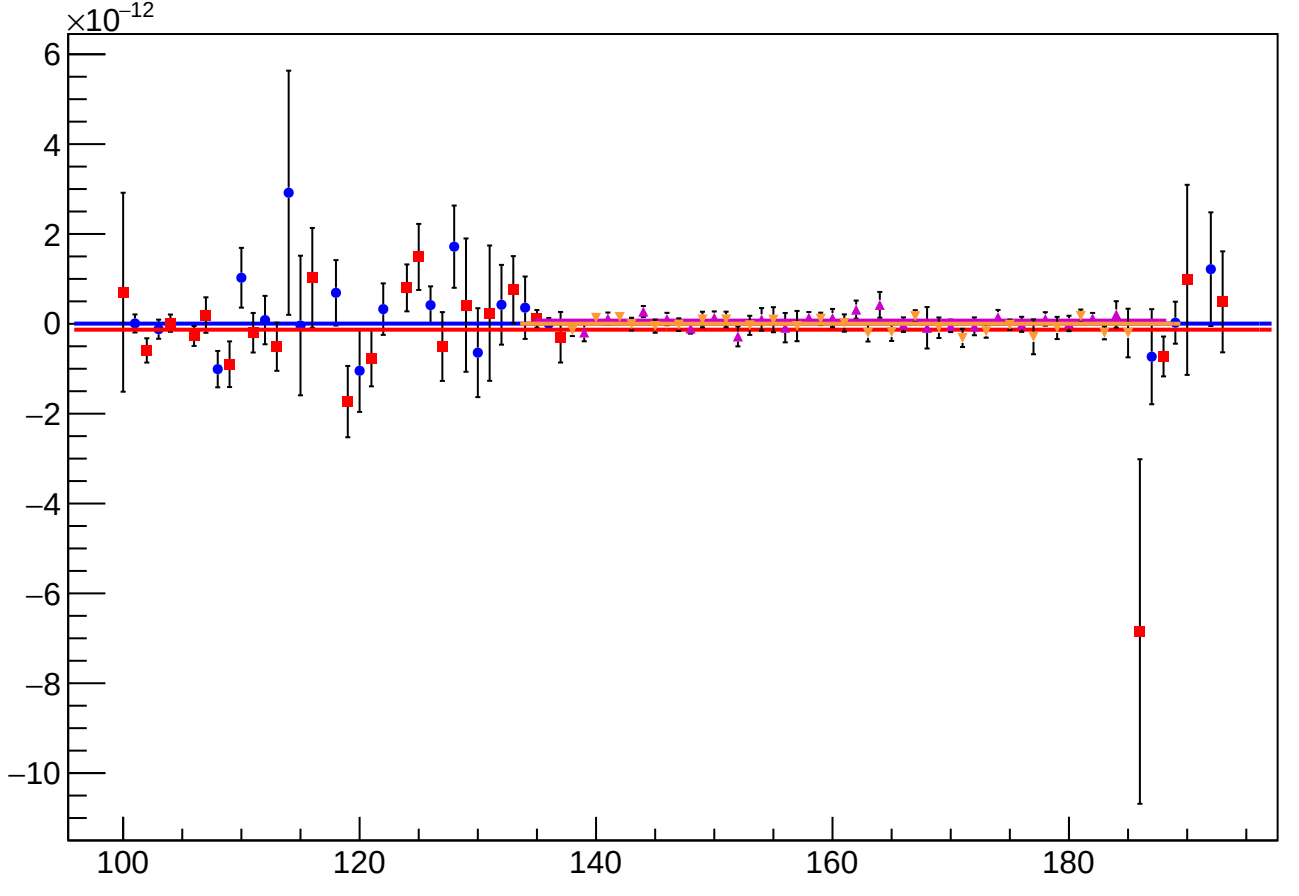
Right Out: 5016.584+/-1.205 χ^2/NDF: 2126158.3/22

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5382.467+/-0.732 χ^2/NDF: 2066615.1/43

All: 5312.662+/-0.514 χ^2/NDF: 5338500.4/89

- sign 5244.708+/-0.723 χ^2/NDF: 3253960.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

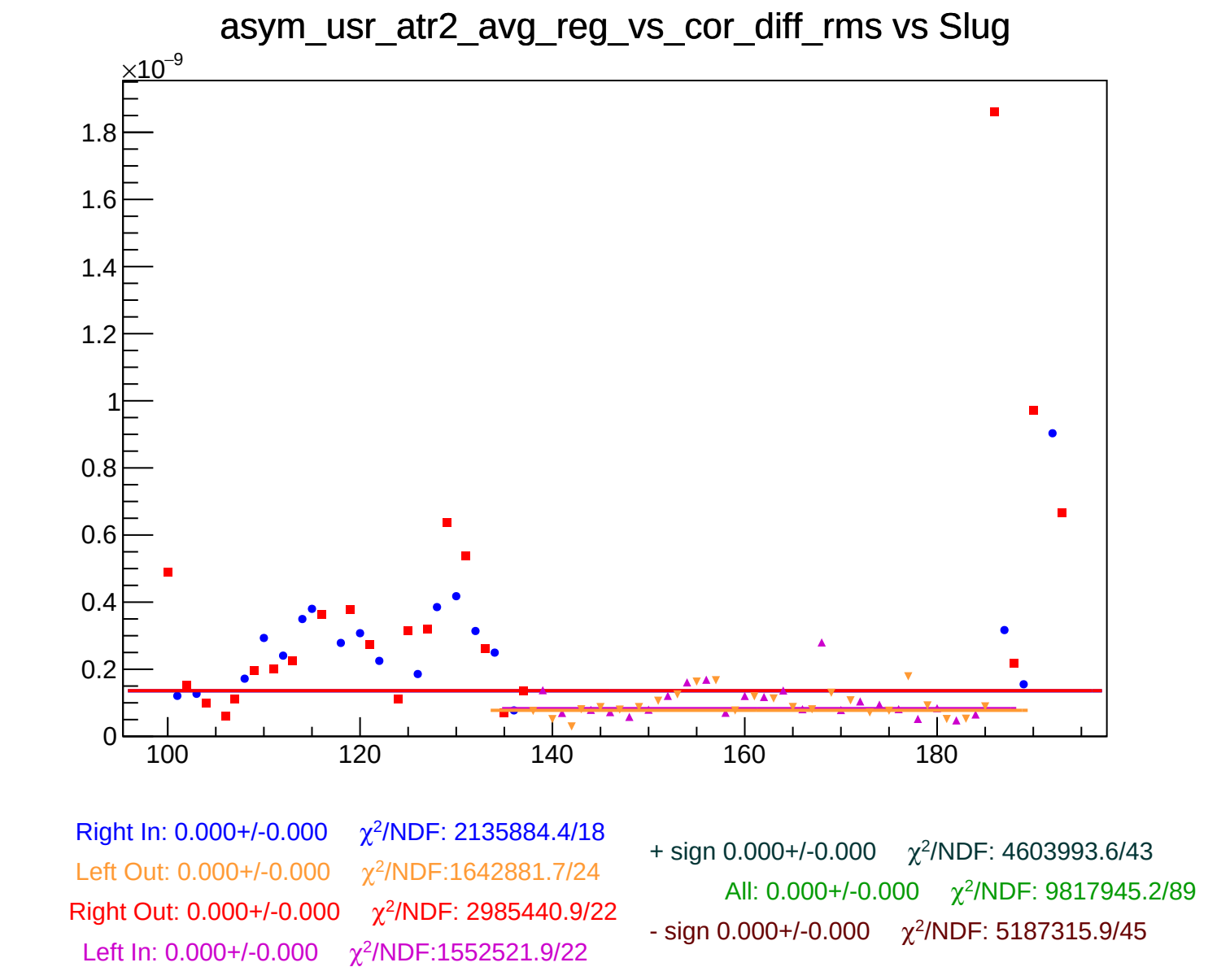
Right Out: -0.000+/-0.000 χ^2/NDF: 30.7/22

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

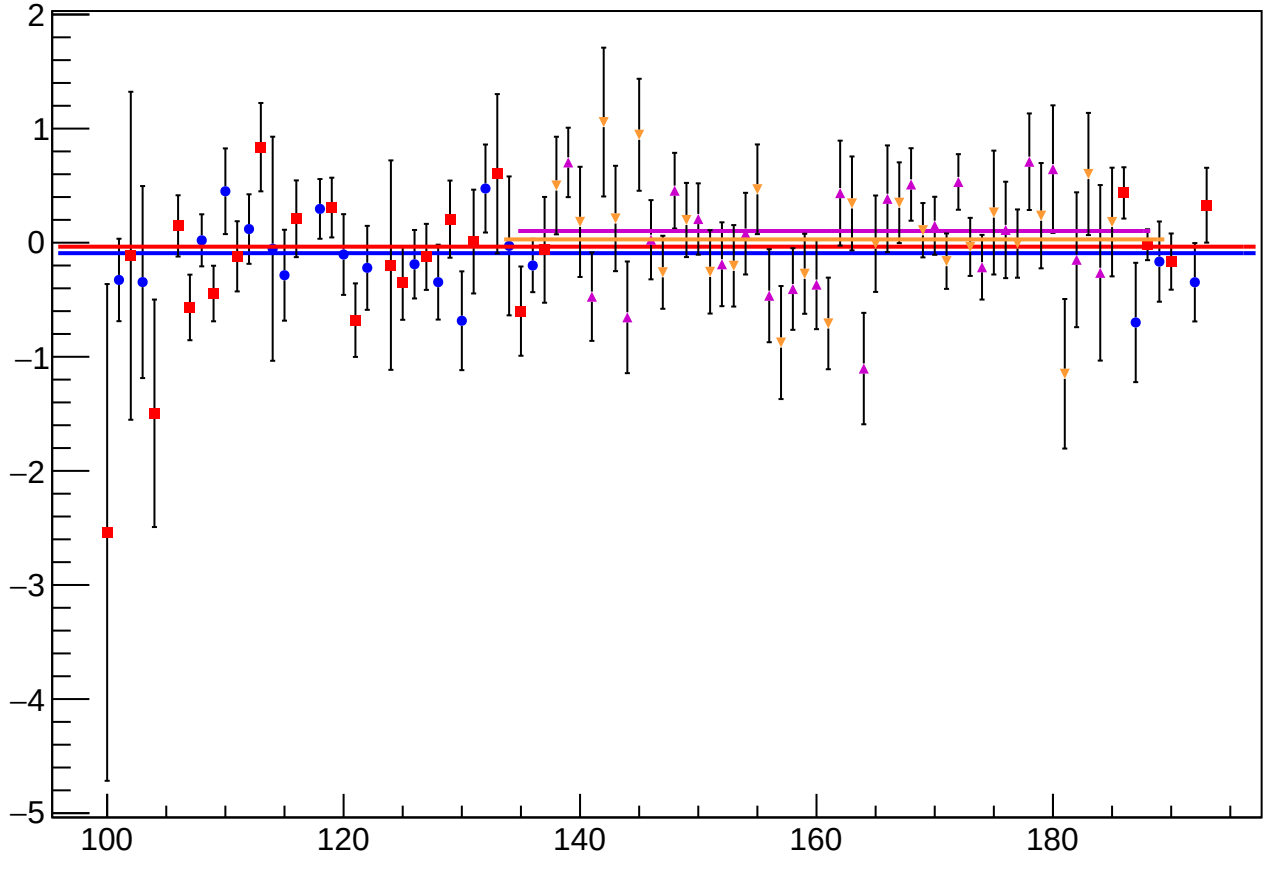
\+ sign 0.000+/-0.000 χ^2/NDF: 37.8/43

All: 0.000+/-0.000 χ^2/NDF: 89.8/89

\- sign 0.000+/-0.000 χ^2/NDF: 51.1/45


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 2135884.4/18
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 2985440.9/22
Left In: 0.000+/-0.000 χ²/NDF:1552521.9/22
+ sign 0.000+/-0.000 χ²/NDF: 4603993.6/43
All: 0.000+/-0.000 χ²/NDF: 9817945.2/89
- sign 0.000+/-0.000 χ²/NDF: 5187315.9/45

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: -0.035+/-0.064 χ^2/NDF: 32.1/22

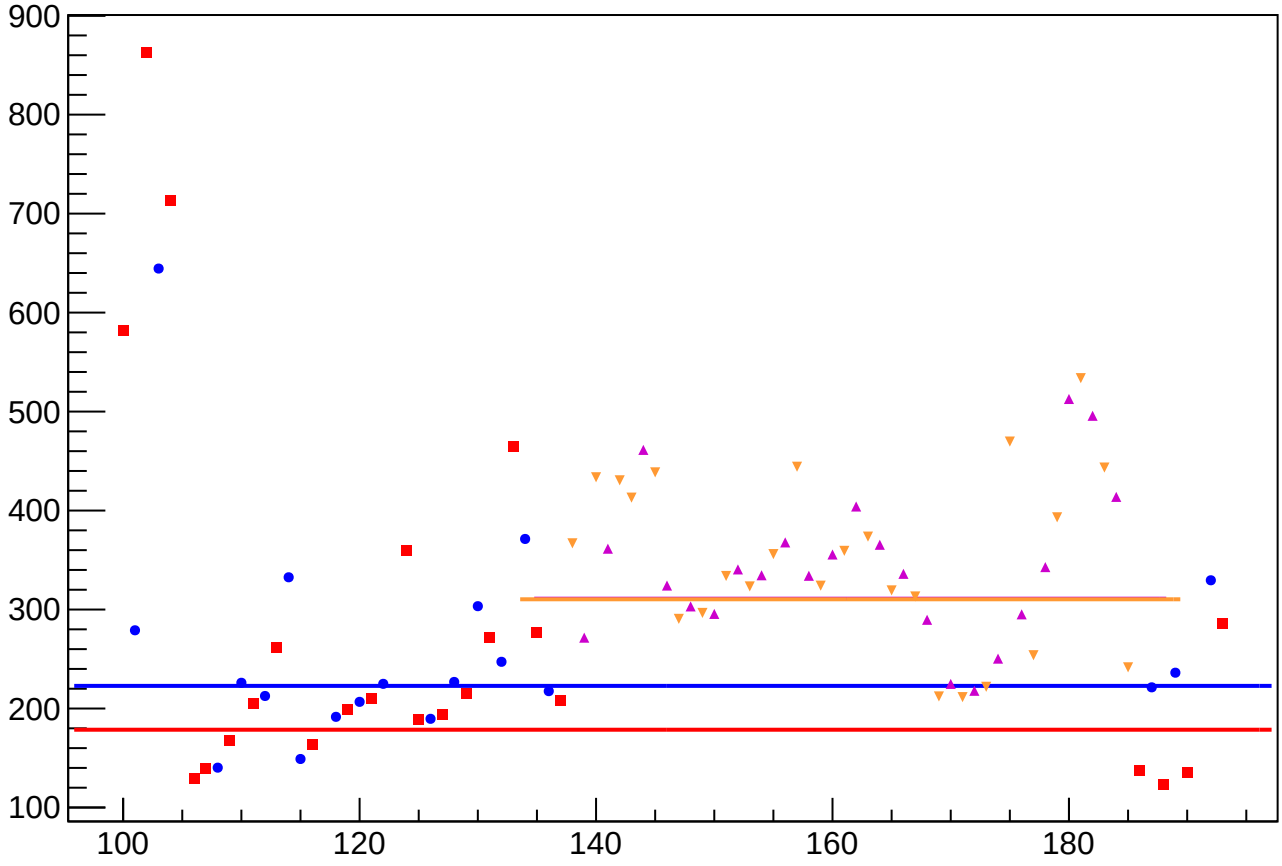
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.028+/-0.055 χ^2/NDF: 39.3/43

All: -0.000+/-0.036 χ^2/NDF: 106.0/89

- sign 0.022+/-0.049 χ^2/NDF: 66.2/45

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

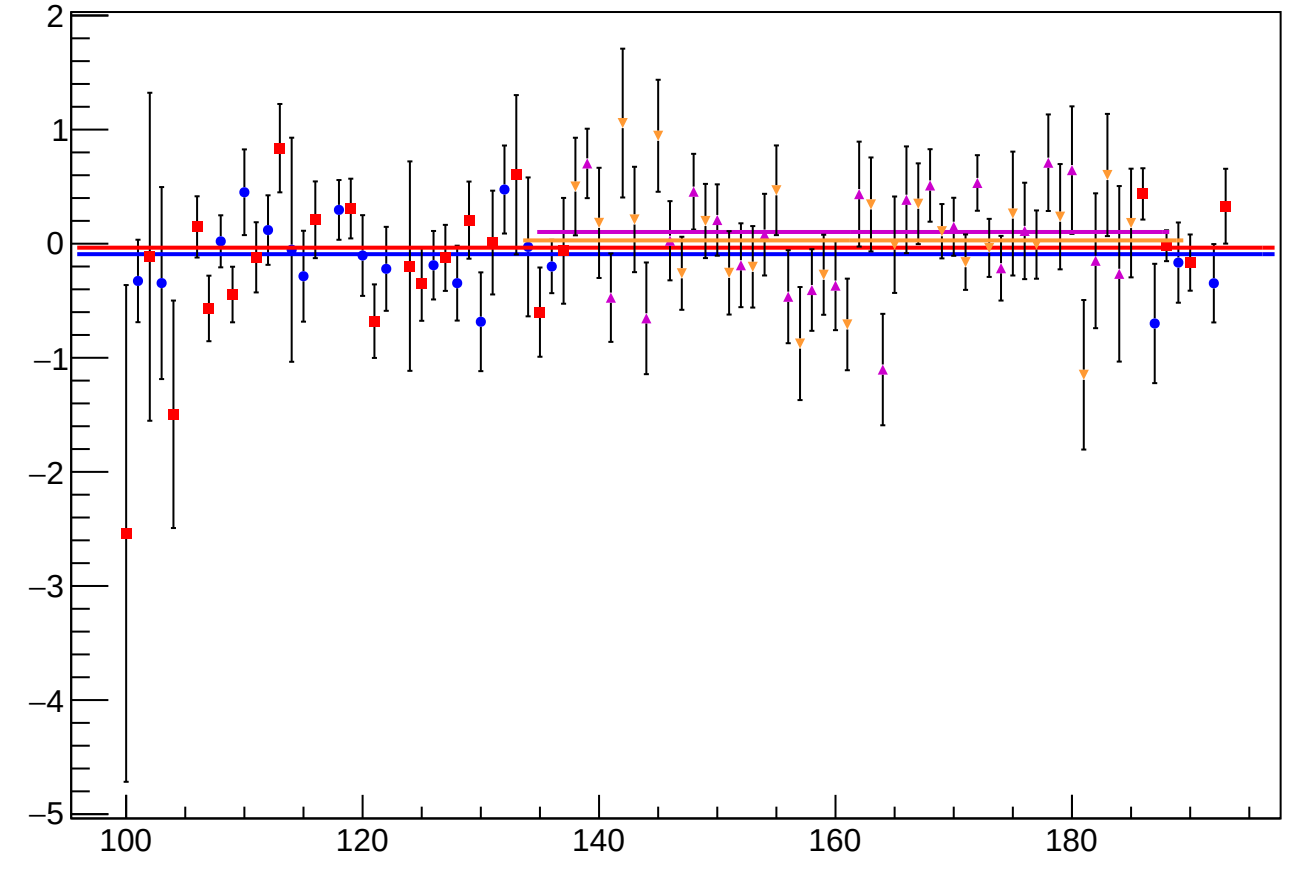
Right Out: 178.583+/-0.045 χ^2/NDF: 2691895.0/22

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 269.509+/-0.039 χ^2/NDF: 5004524.4/43

All: 249.442+/-0.026 χ^2/NDF: 13325835.0/89

- sign 233.233+/-0.035 χ^2/NDF: 7831420.9/45



Right In: -0.092+/-0.080 χ^2/NDF: 12.8/18

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

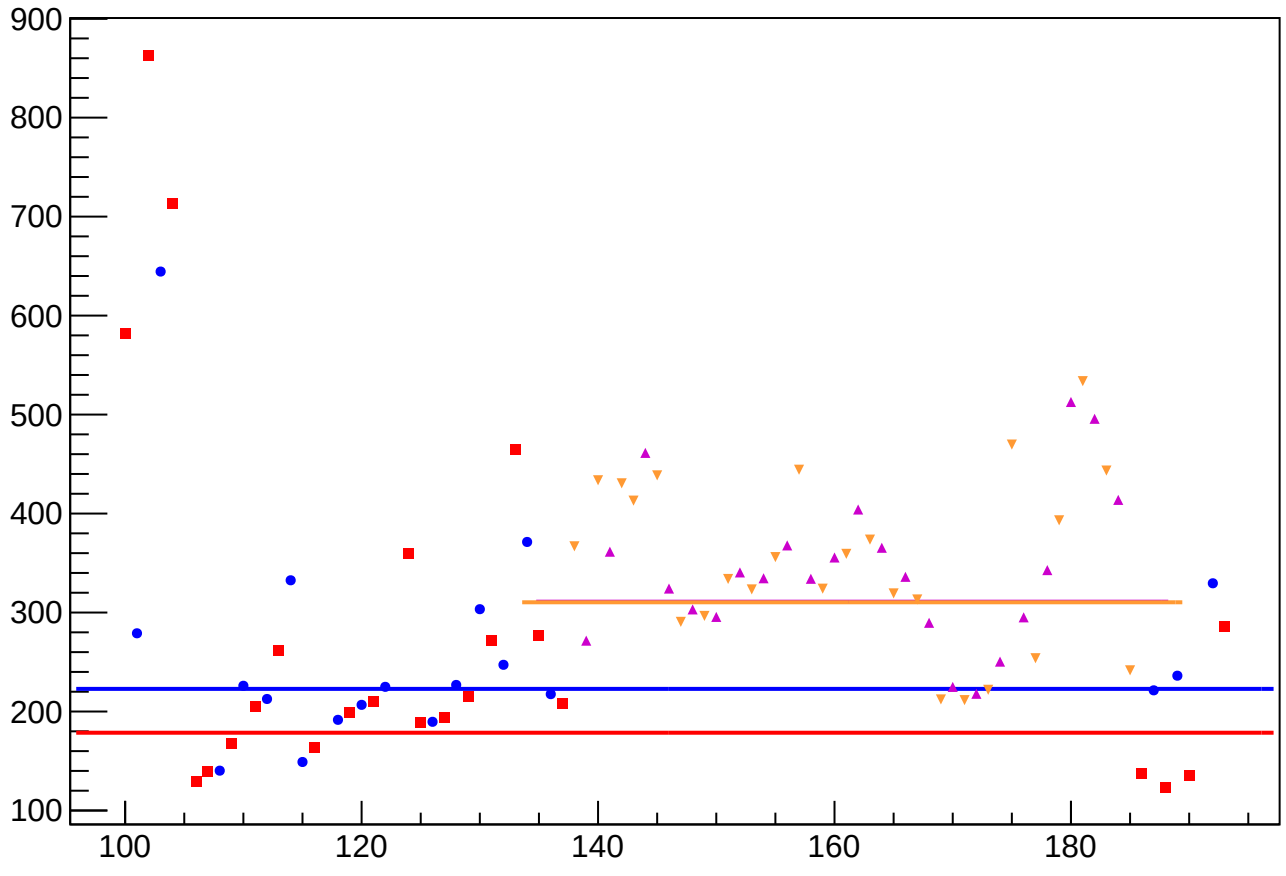
Right Out: -0.035+/-0.064 χ^2/NDF: 32.1/22

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.028+/-0.055 χ^2/NDF: 39.3/43

All: -0.000+/-0.036 χ^2/NDF: 106.0/89

- sign 0.022+/-0.049 χ^2/NDF: 66.2/45



Right In: 222.875+/-0.056 χ^2/NDF: 1359437.6/18

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

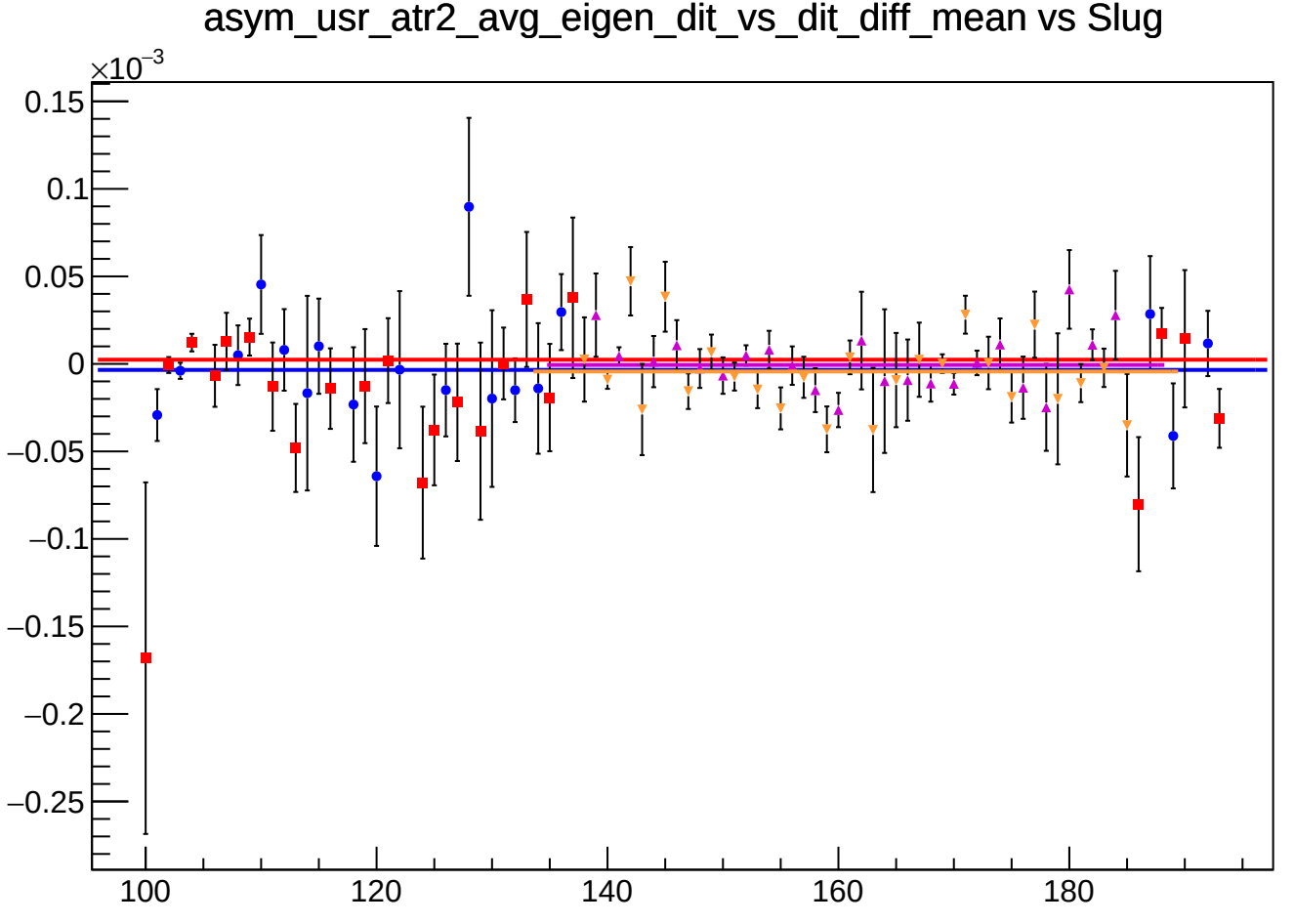
Right Out: 178.583+/-0.045 χ^2/NDF: 2691895.0/22

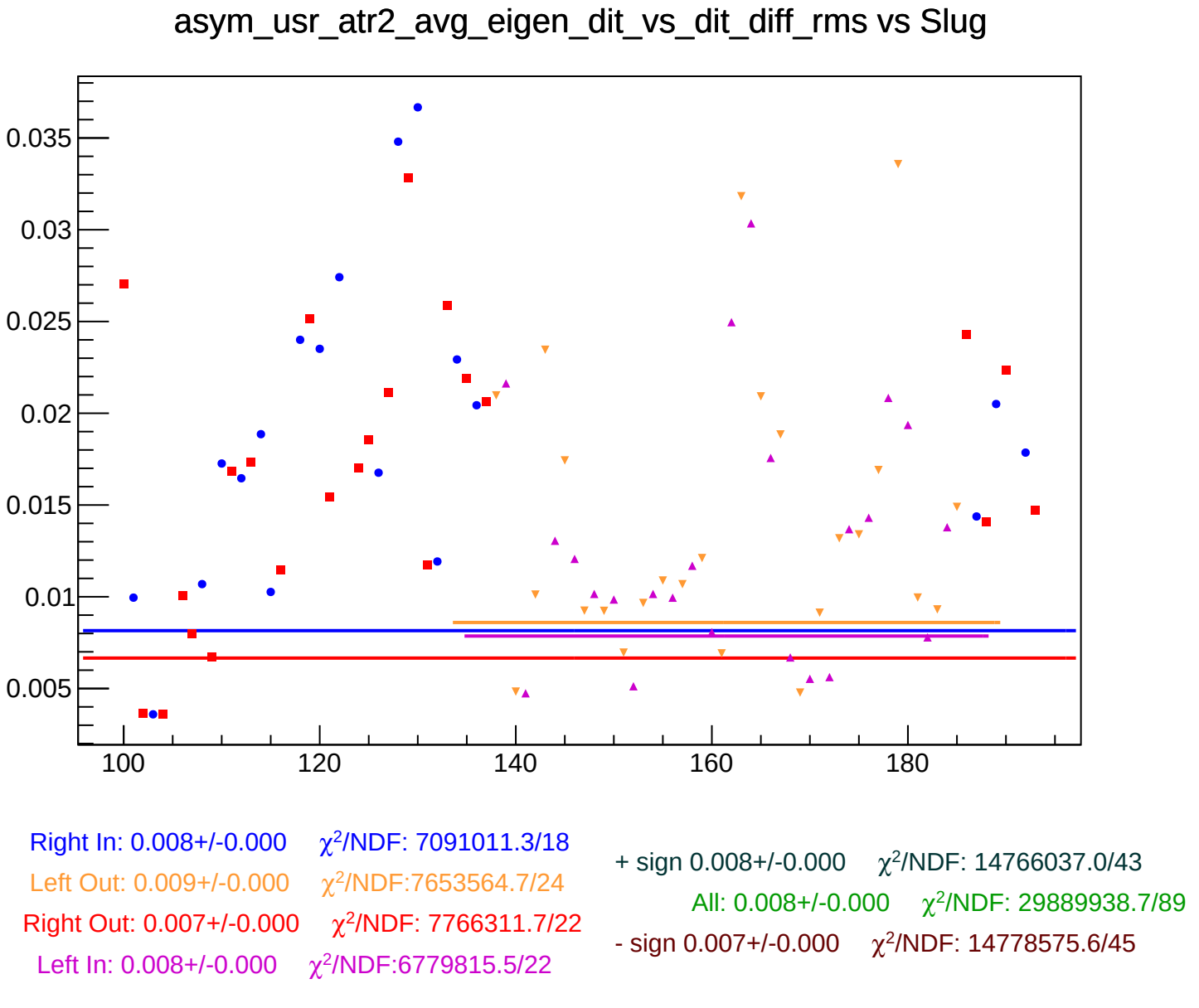
Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

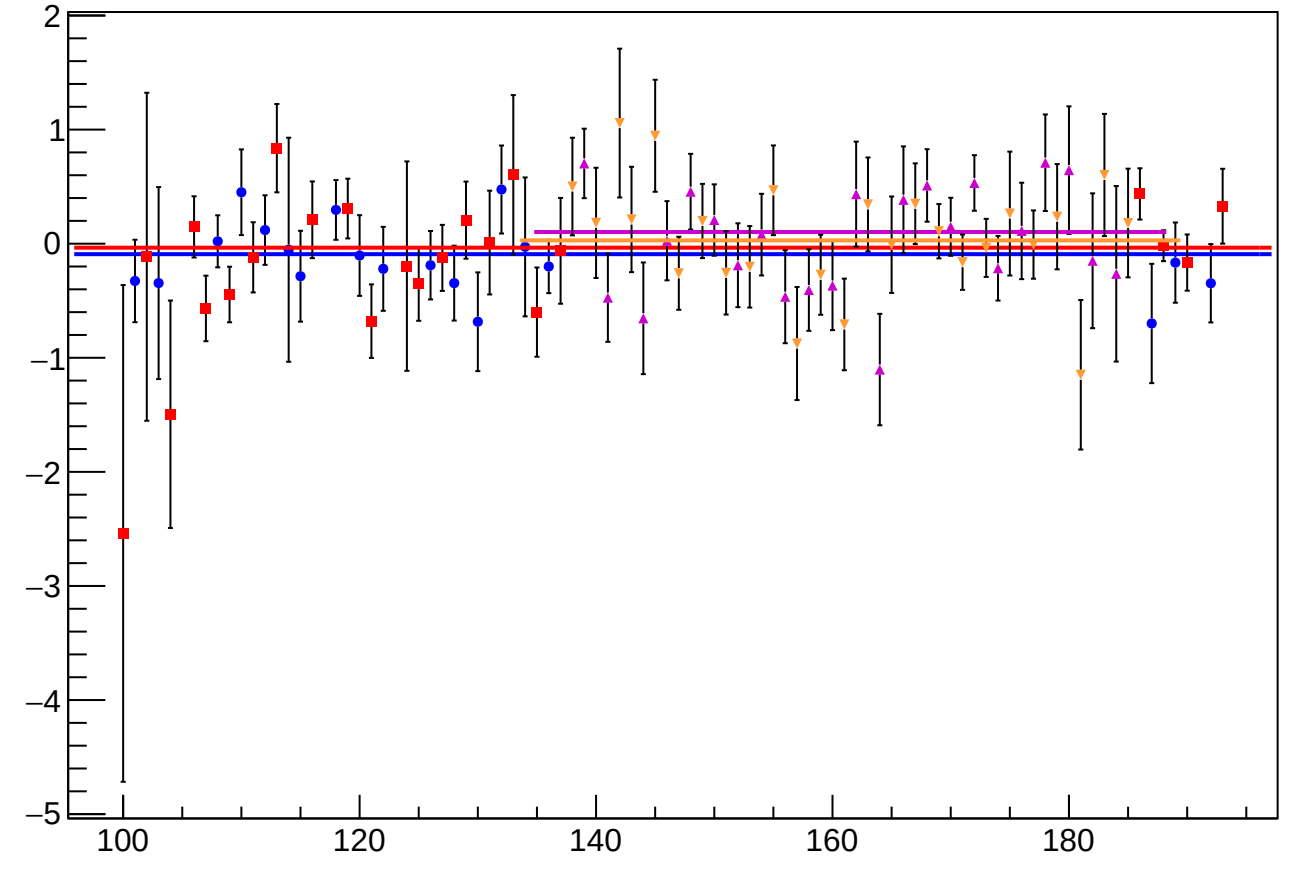
+ sign 269.509+/-0.039 χ^2/NDF: 5004524.4/43

All: 249.442+/-0.026 χ^2/NDF: 13325835.0/89

- sign 233.233+/-0.035 χ^2/NDF: 7831420.9/45


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 19.1/18
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 31.5/22
Left In: -0.000+/-0.000 χ²/NDF:26.6/22
+ sign -0.000+/-0.000 χ²/NDF: 61.5/43
All: -0.000+/-0.000 χ²/NDF: 123.4/89
- sign 0.000+/-0.000 χ²/NDF: 58.7/45


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
Right In: 0.008+/-0.000 χ²/NDF: 7091011.3/18
Left Out: 0.009+/-0.000 χ²/NDF:7653564.7/24
Right Out: 0.007+/-0.000 χ²/NDF: 7766311.7/22
Left In: 0.008+/-0.000 χ²/NDF:6779815.5/22
+ sign 0.008+/-0.000 χ²/NDF: 14766037.0/43
All: 0.008+/-0.000 χ²/NDF: 29889938.7/89
- sign 0.007+/-0.000 χ²/NDF: 14778575.6/45



Right In: -0.092+/-0.080 χ^2/NDF: 12.8/18

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

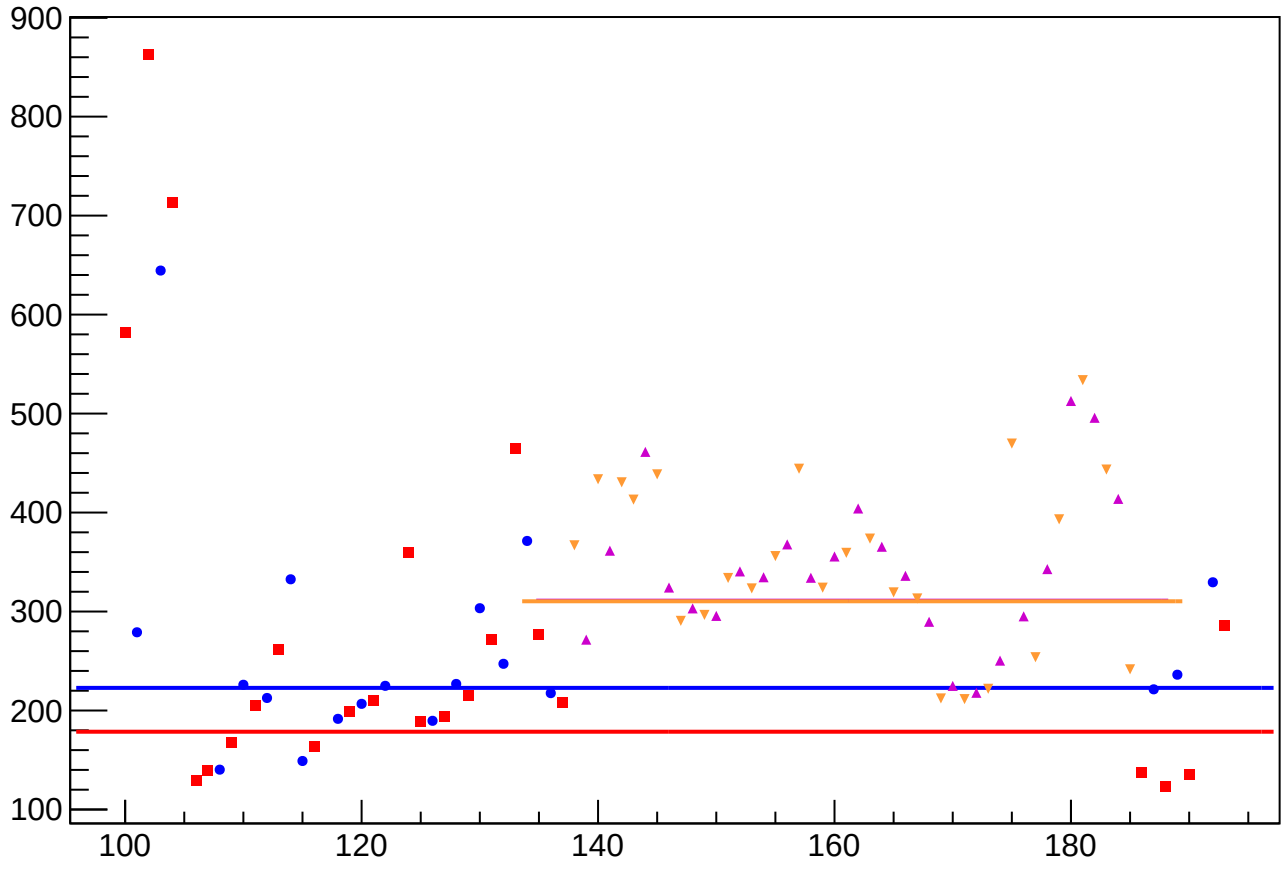
Right Out: -0.035+/-0.064 χ^2/NDF: 32.1/22

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.028+/-0.055 χ^2/NDF: 39.4/43

All: -0.000+/-0.036 χ^2/NDF: 106.0/89

- sign 0.022+/-0.049 χ^2/NDF: 66.2/45



Right In: 222.874+/-0.056 χ^2/NDF: 1359411.3/18

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

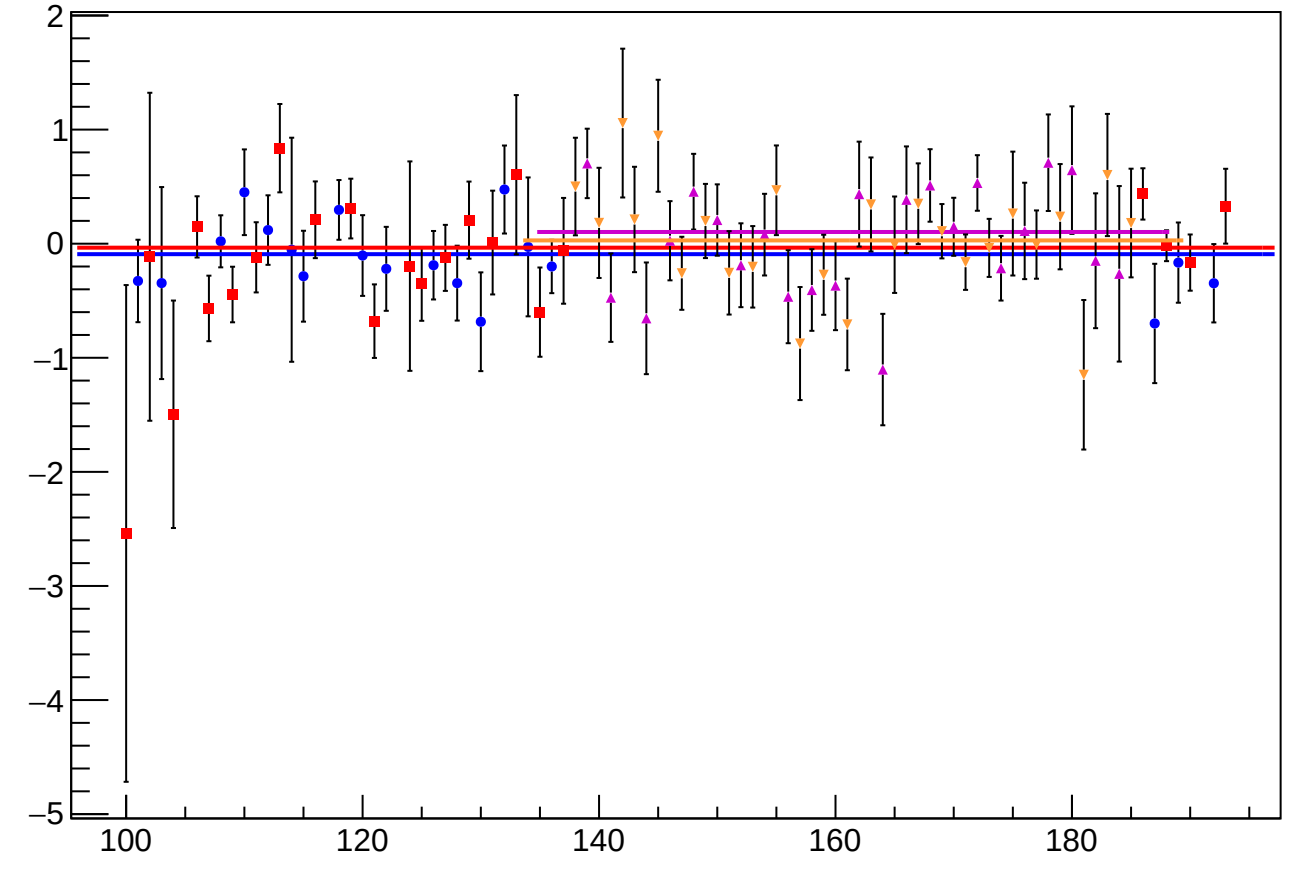
Right Out: 178.580+/-0.045 χ^2/NDF: 2691942.0/22

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 269.510+/-0.039 χ^2/NDF: 5004680.5/43

All: 249.441+/-0.026 χ^2/NDF: 13326456.6/89

- sign 233.232+/-0.035 χ^2/NDF: 7831823.2/45



Right In: -0.092+/-0.080 χ^2/NDF: 12.8/18

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

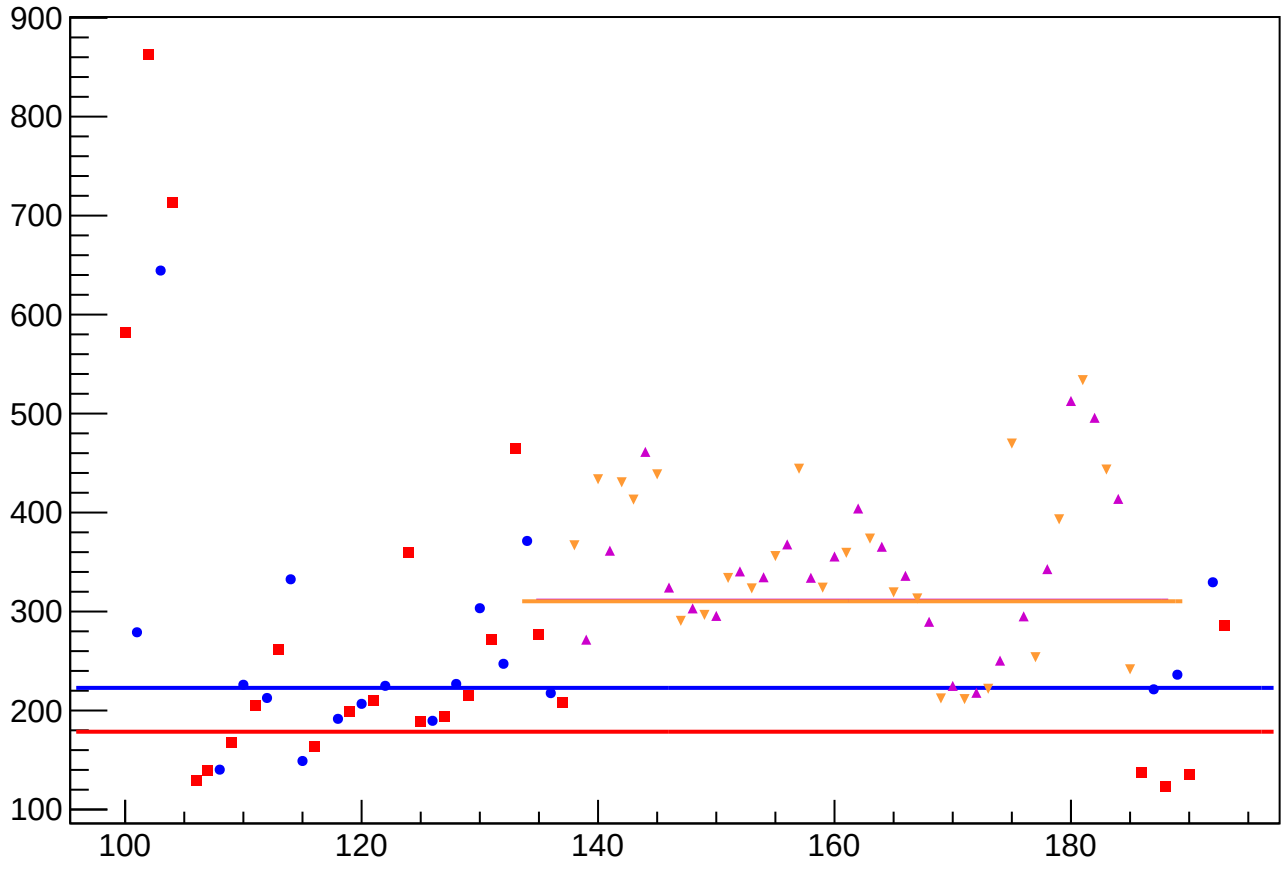
Right Out: -0.035+/-0.064 χ^2/NDF: 32.1/22

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.028+/-0.055 χ^2/NDF: 39.4/43

All: -0.000+/-0.036 χ^2/NDF: 106.0/89

- sign 0.022+/-0.049 χ^2/NDF: 66.2/45



Right In: 222.874+/-0.056 χ^2/NDF: 1359411.3/18

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

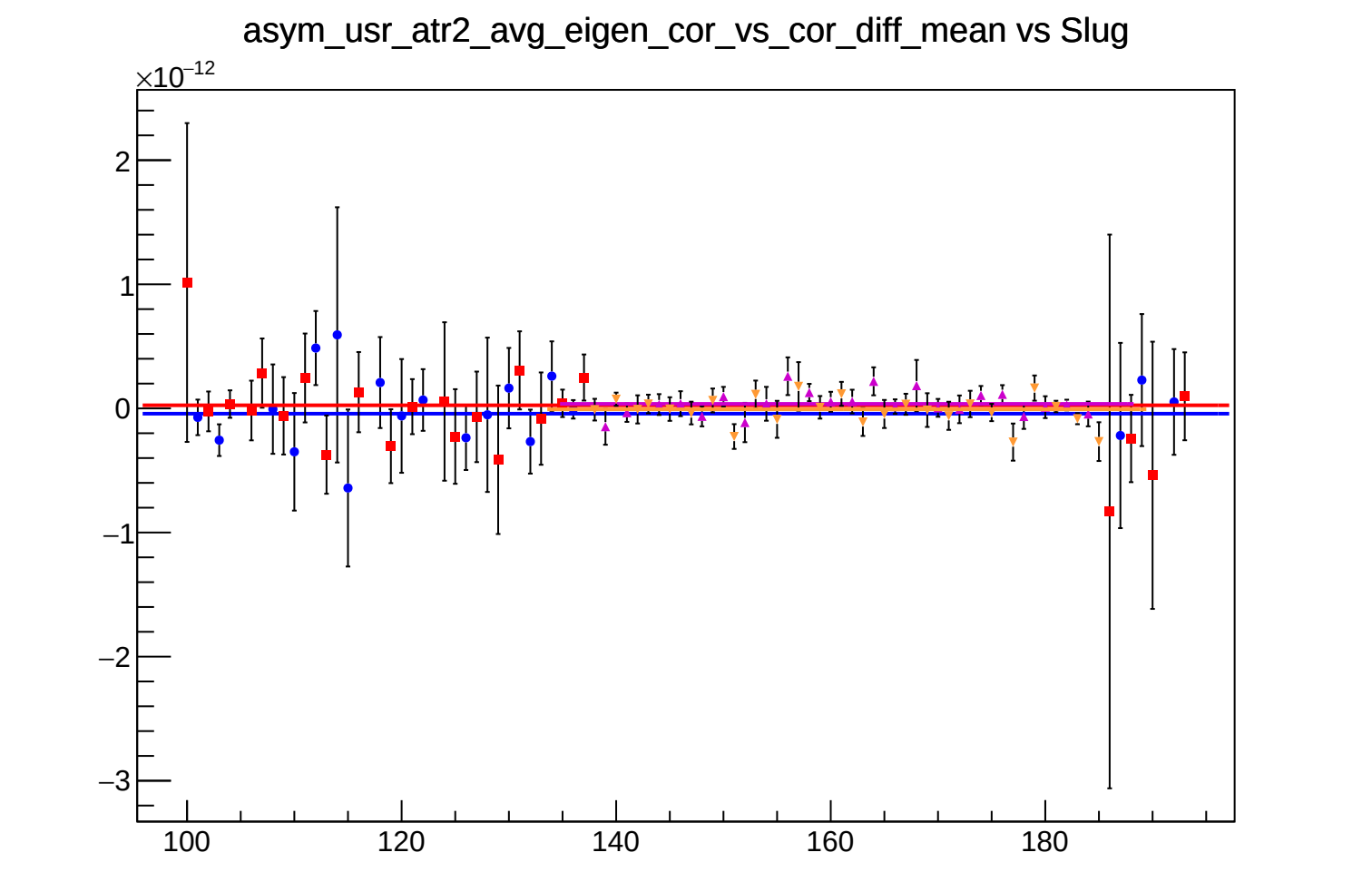
Right Out: 178.580+/-0.045 χ^2/NDF: 2691942.0/22

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 269.510+/-0.039 χ^2/NDF: 5004680.5/43

All: 249.441+/-0.026 χ^2/NDF: 13326456.6/89

- sign 233.232+/-0.035 χ^2/NDF: 7831823.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 11.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

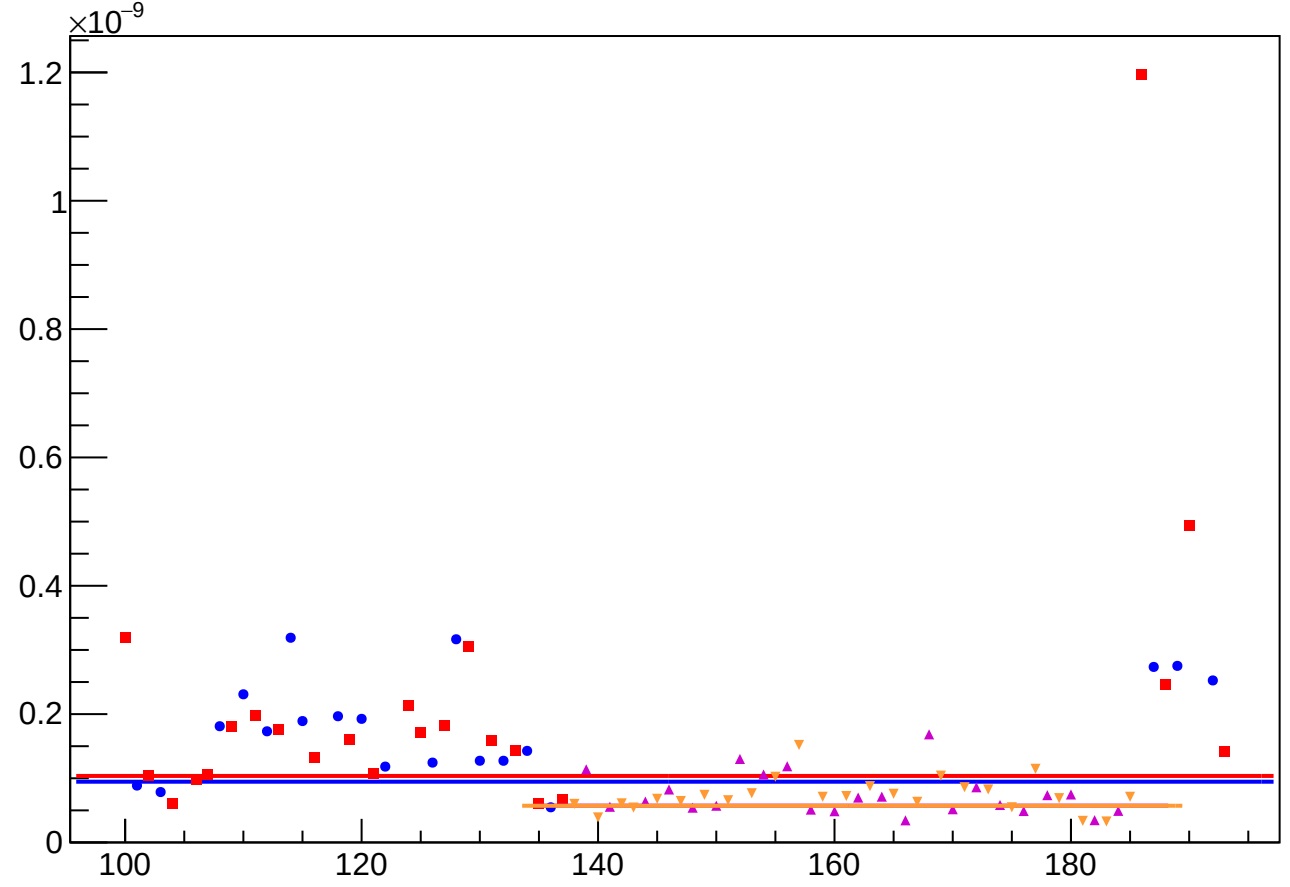
Right Out: 0.000+/-0.000 χ^2/NDF: 9.4/22

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: 68.3/89

- sign 0.000+/-0.000 χ^2/NDF: 26.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 2444511.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2811588.4/22

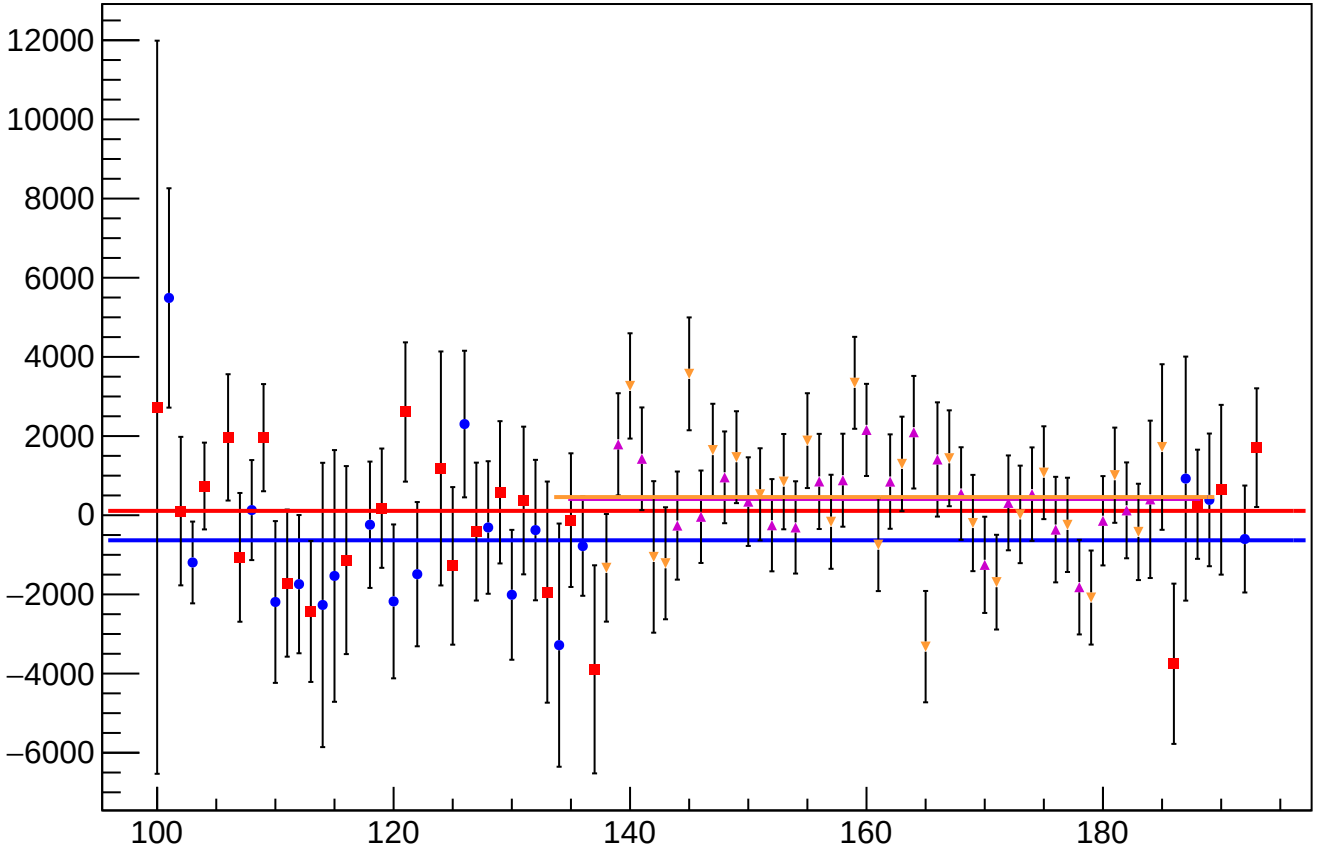
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6813897.3/43

All: 0.000+/-0.000 χ^2/NDF: 14408695.0/89

- sign 0.000+/-0.000 χ^2/NDF: 7590773.1/45

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: 110.181+/-369.120 χ^2/NDF: 18.0/22

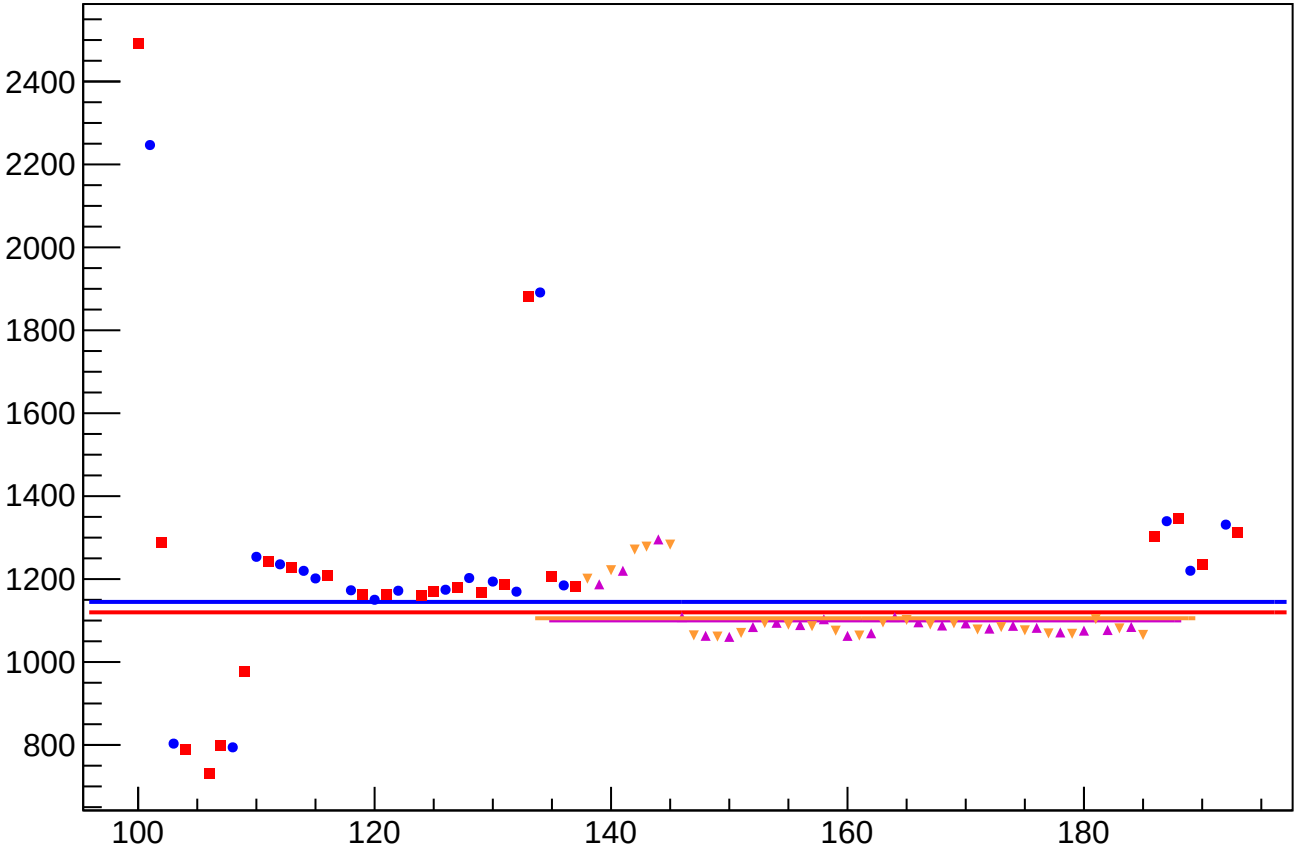
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 141.131+/-211.814 χ^2/NDF: 59.9/43

All: 227.315+/-149.495 χ^2/NDF: 92.4/89

- sign 312.858+/-211.025 χ^2/NDF: 32.1/45

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

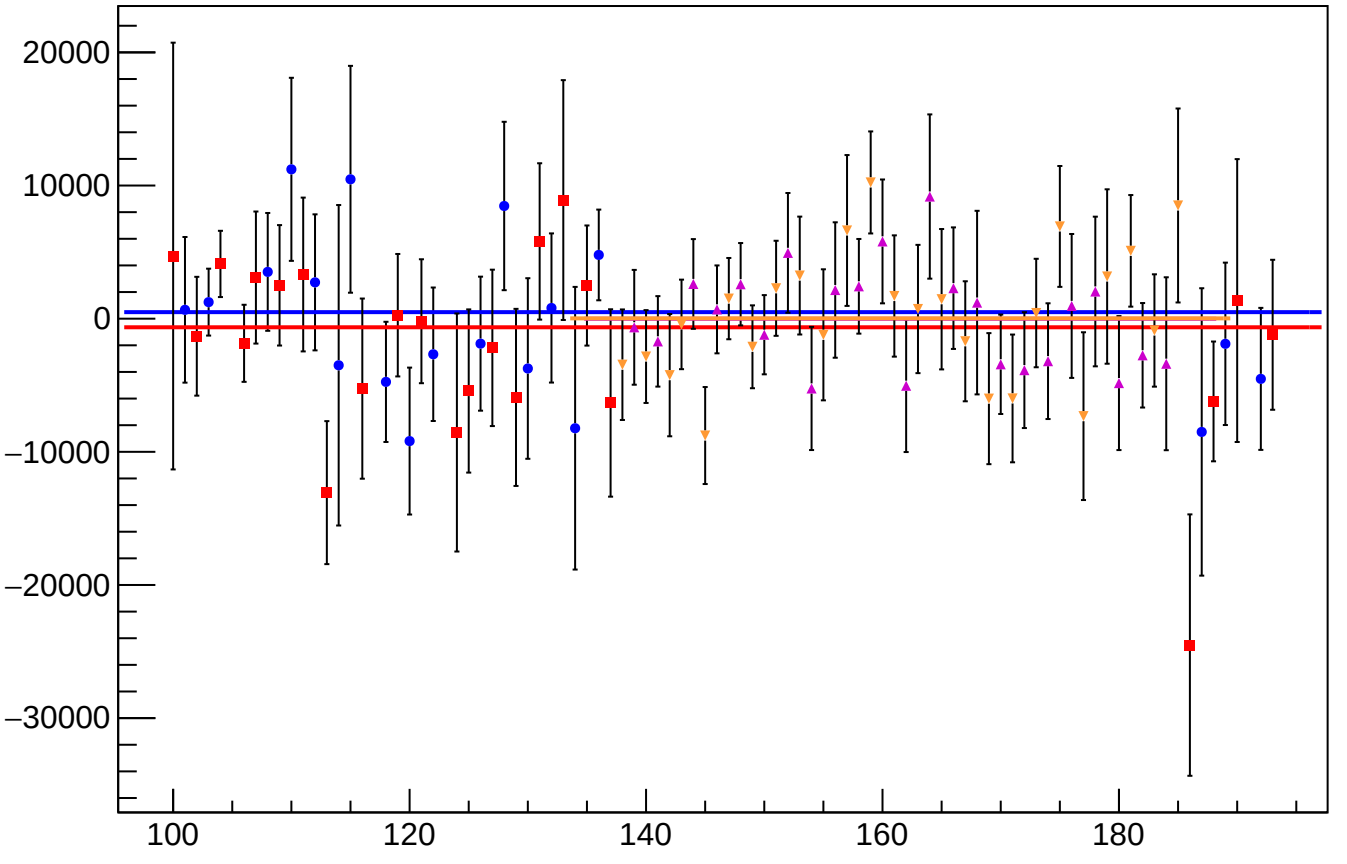
Right Out: 1119.800+/-0.259 χ^2/NDF: 783427.3/22

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1117.016+/-0.150 χ^2/NDF: 1014294.2/43

All: 1111.860+/-0.106 χ^2/NDF: 1884090.5/89

- sign 1106.764+/-0.149 χ^2/NDF: 867439.8/45



Right In: 491.282+/-1171.481 χ^2/NDF: 15.7/18

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

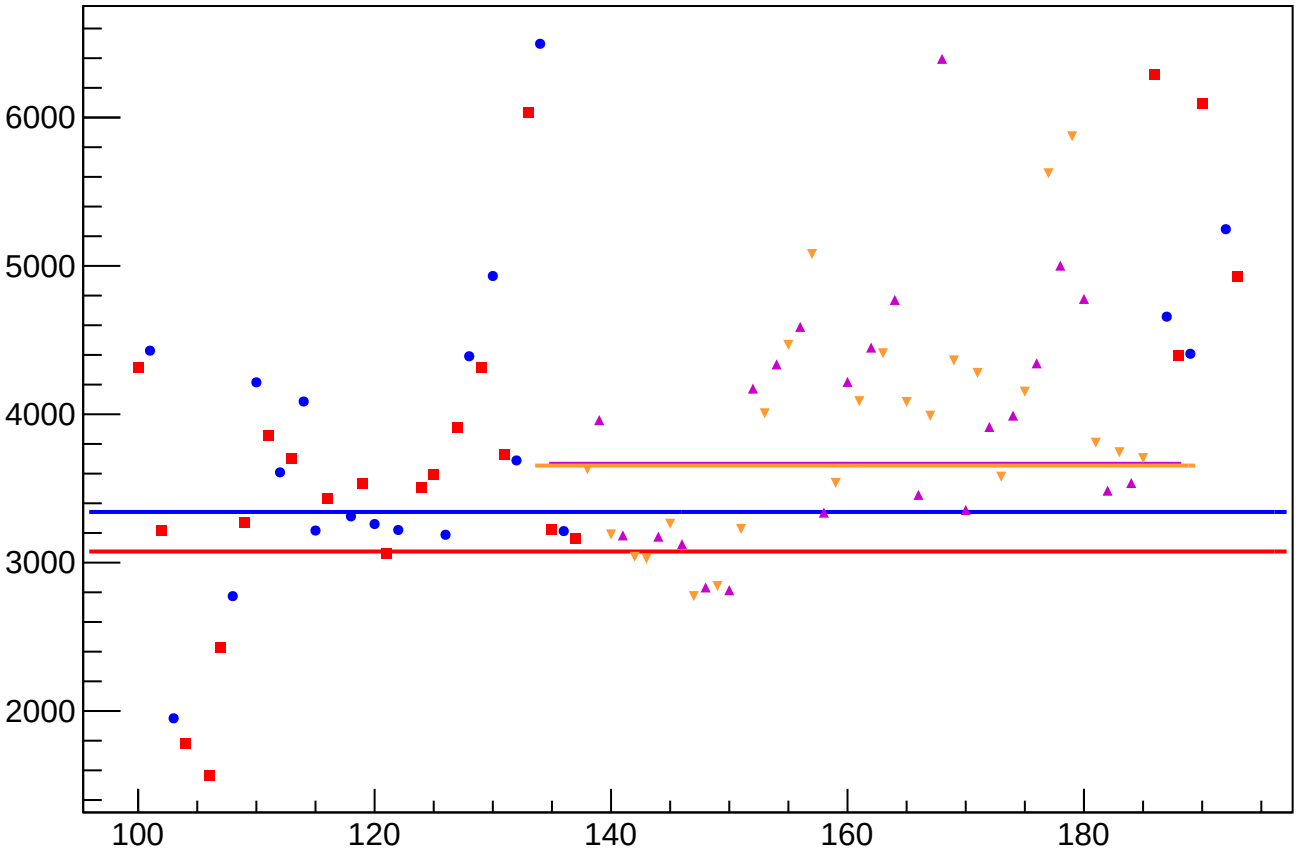
Right Out: -645.866+/-1050.513 χ^2/NDF: 24.4/22

Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 184.848+/-688.194 χ^2/NDF: 44.3/43

All: -47.005+/-480.962 χ^2/NDF: 83.1/89

- sign -268.366+/-672.444 χ^2/NDF: 38.6/45



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: 3075.077+/-0.743 χ^2/NDF: 2359821.3/22

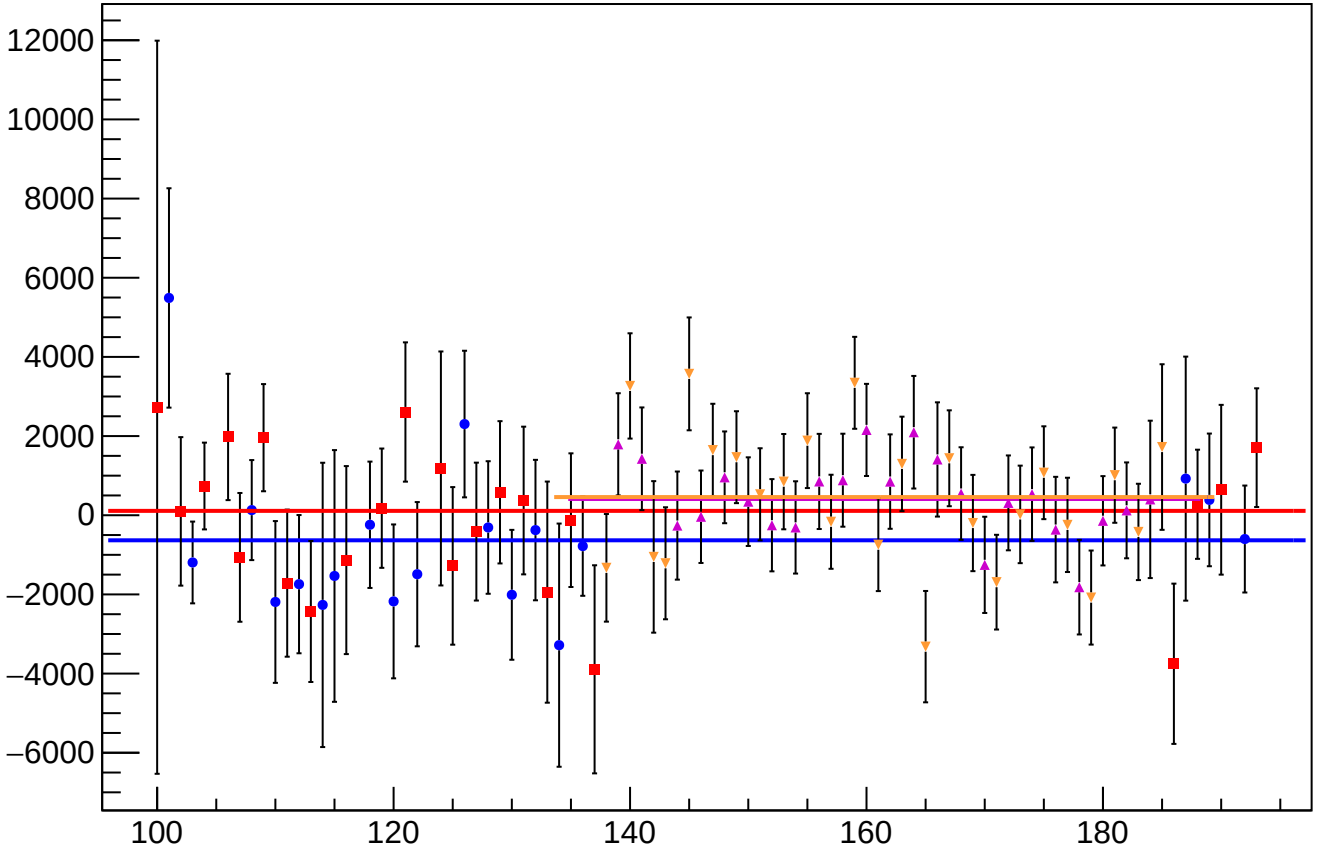
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3546.270+/-0.487 χ^2/NDF: 2877948.2/43

All: 3483.691+/-0.340 χ^2/NDF: 6987488.9/89

- sign 3423.944+/-0.475 χ^2/NDF: 4077214.5/45

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: 110.425+/-369.123 χ^2/NDF: 18.0/22

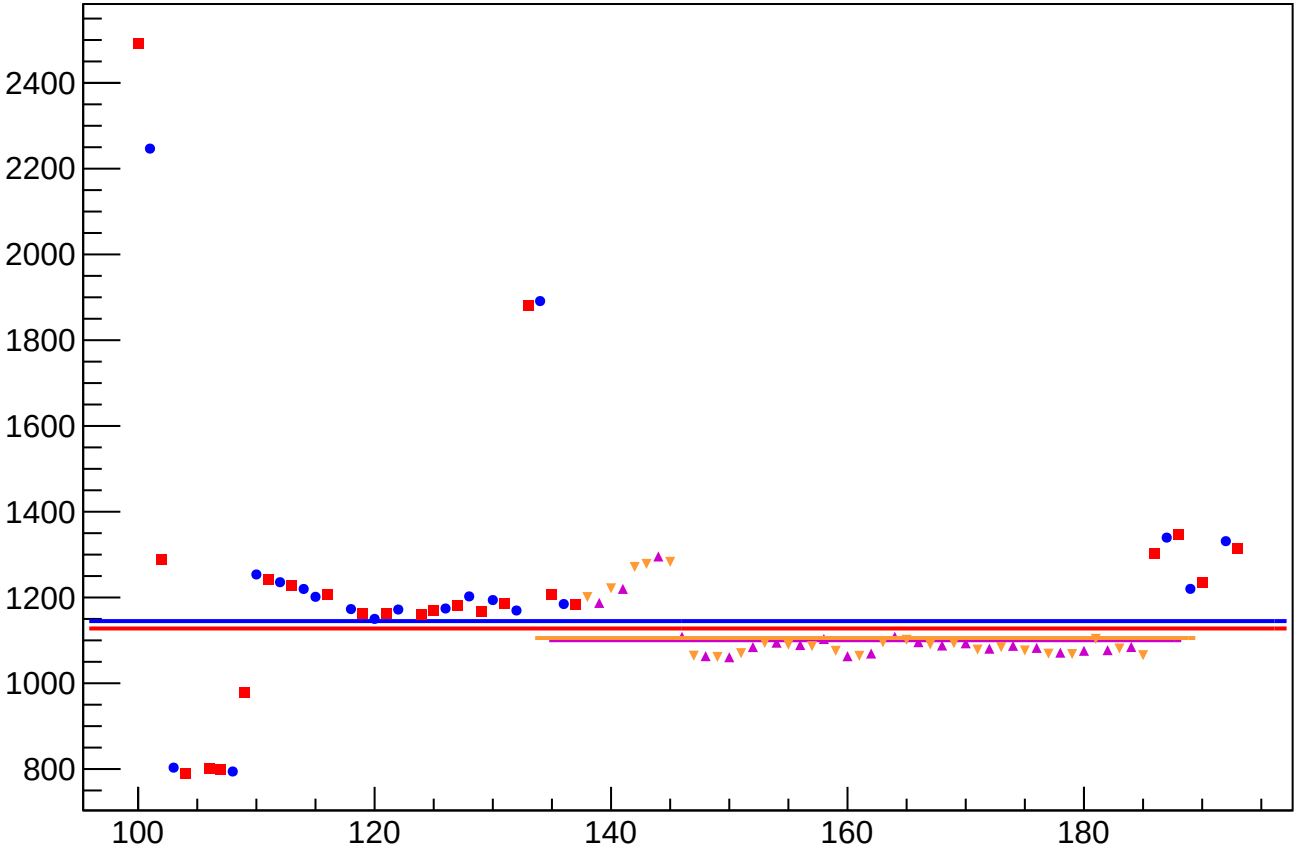
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 141.184+/-211.815 χ^2/NDF: 59.9/43

All: 227.349+/-149.496 χ^2/NDF: 92.4/89

- sign 312.873+/-211.025 χ^2/NDF: 32.1/45

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: 1127.743+/-0.261 χ^2/NDF: 718666.6/22

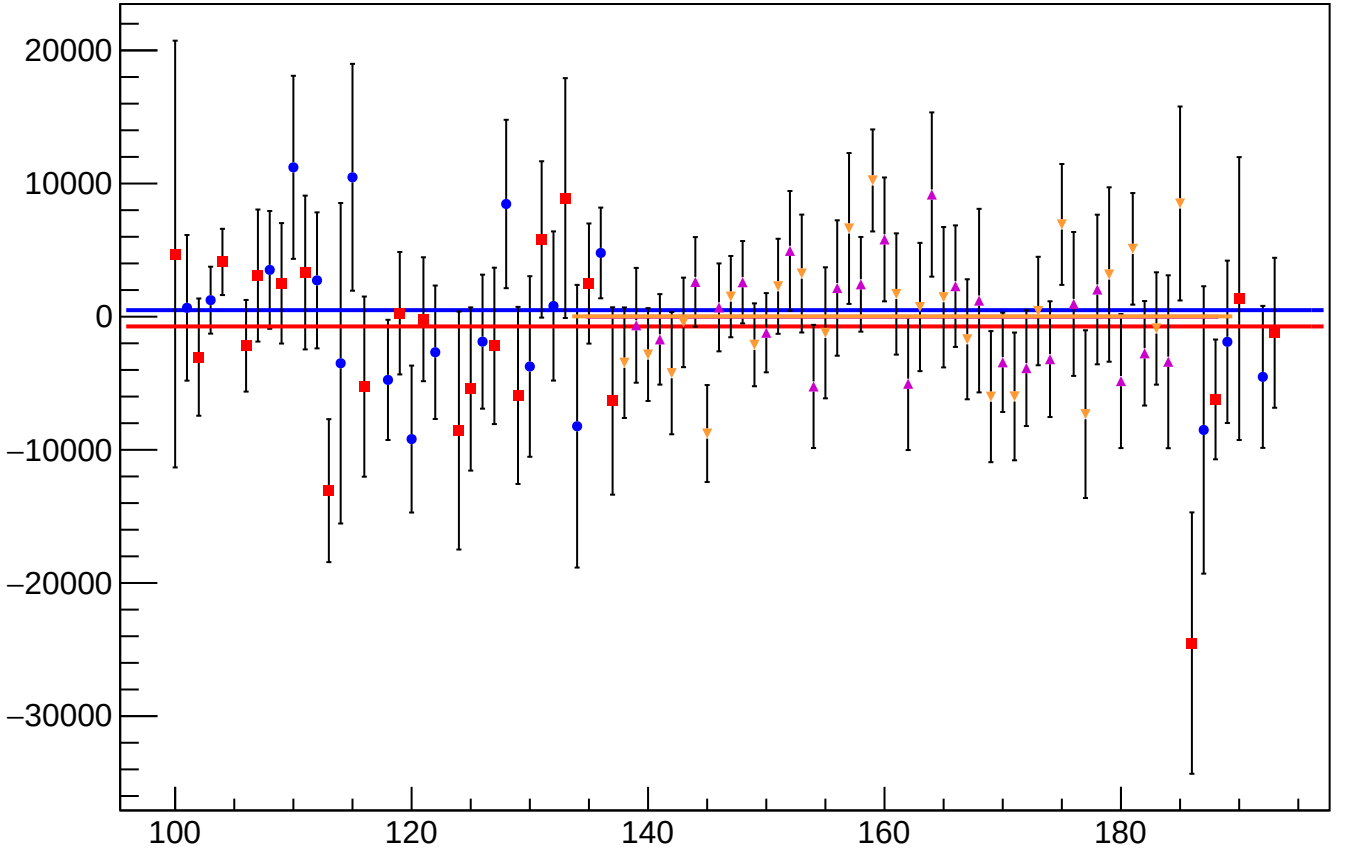
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1117.016+/-0.150 χ^2/NDF: 1014290.8/43

All: 1113.153+/-0.106 χ^2/NDF: 1821953.2/89

- sign 1109.322+/-0.149 χ^2/NDF: 806337.1/45

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: -732.823+/-1070.569 χ^2/NDF: 24.7/22

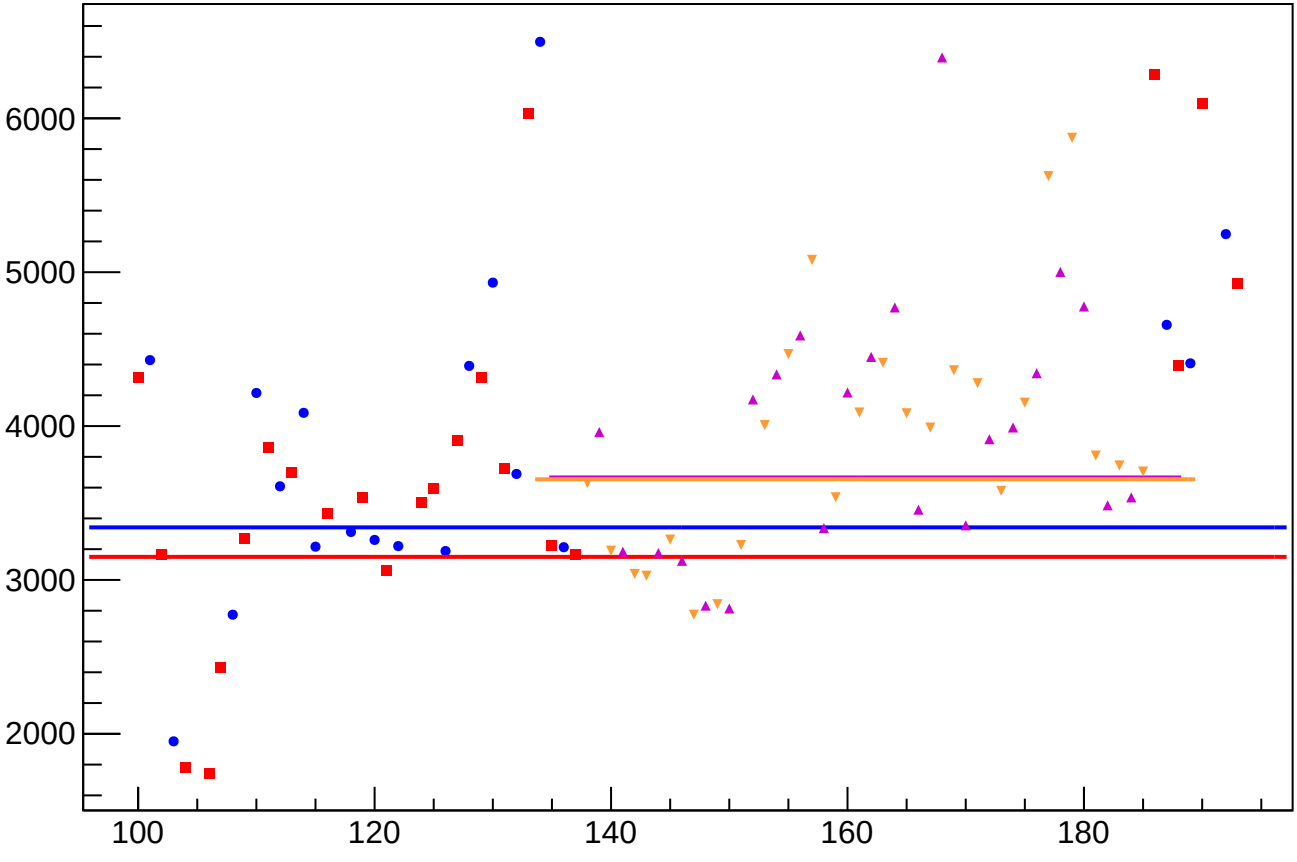
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 184.667+/-688.203 χ^2/NDF: 44.3/43

All: -60.105+/-482.846 χ^2/NDF: 83.5/89

- sign -297.405+/-677.616 χ^2/NDF: 39.0/45

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: 3149.924+/-0.757 χ^2/NDF: 2104300.6/22

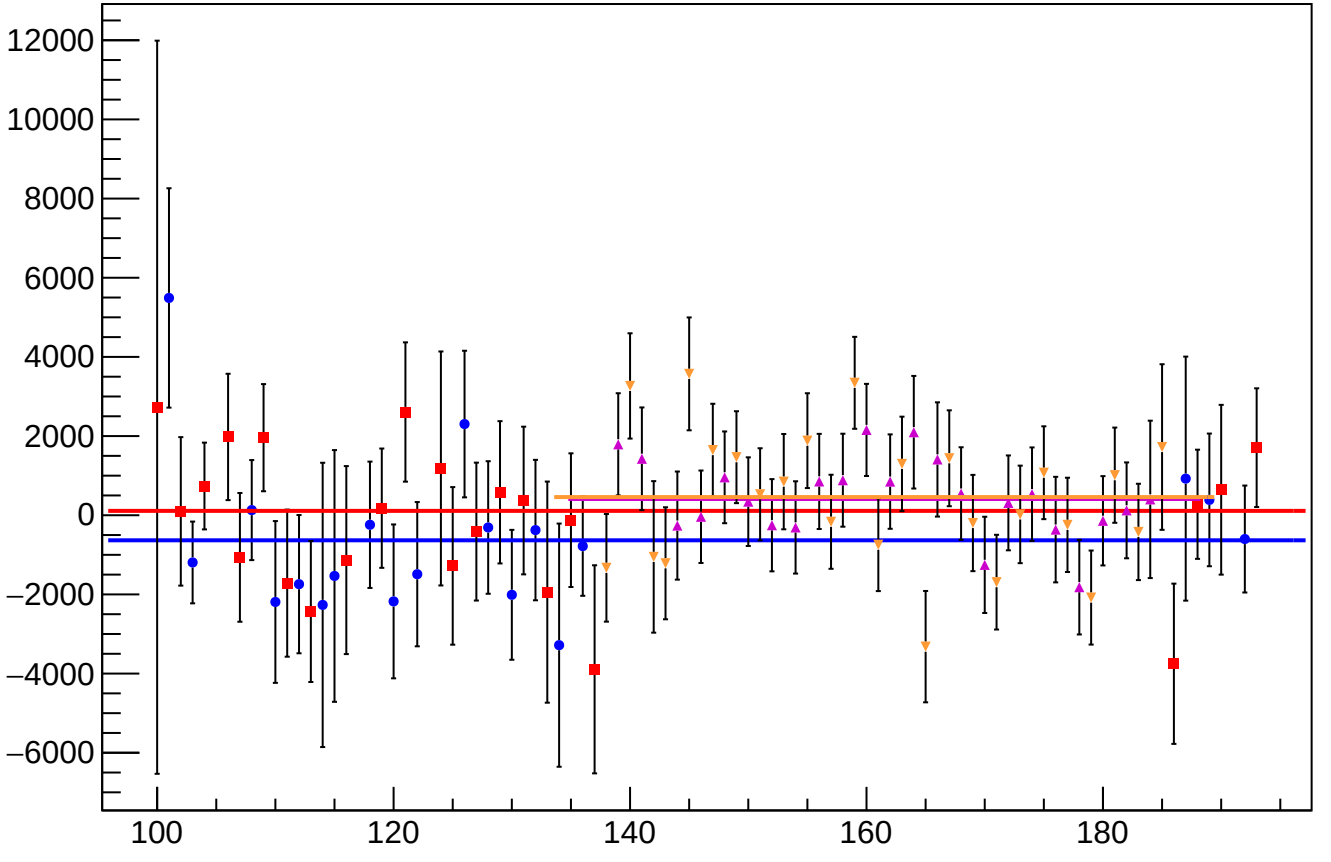
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3546.335+/-0.487 χ^2/NDF: 2877320.9/43

All: 3502.151+/-0.341 χ^2/NDF: 6620258.1/89

- sign 3459.315+/-0.479 χ^2/NDF: 3726701.0/45

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: 110.425+/-369.123 χ^2/NDF: 18.0/22

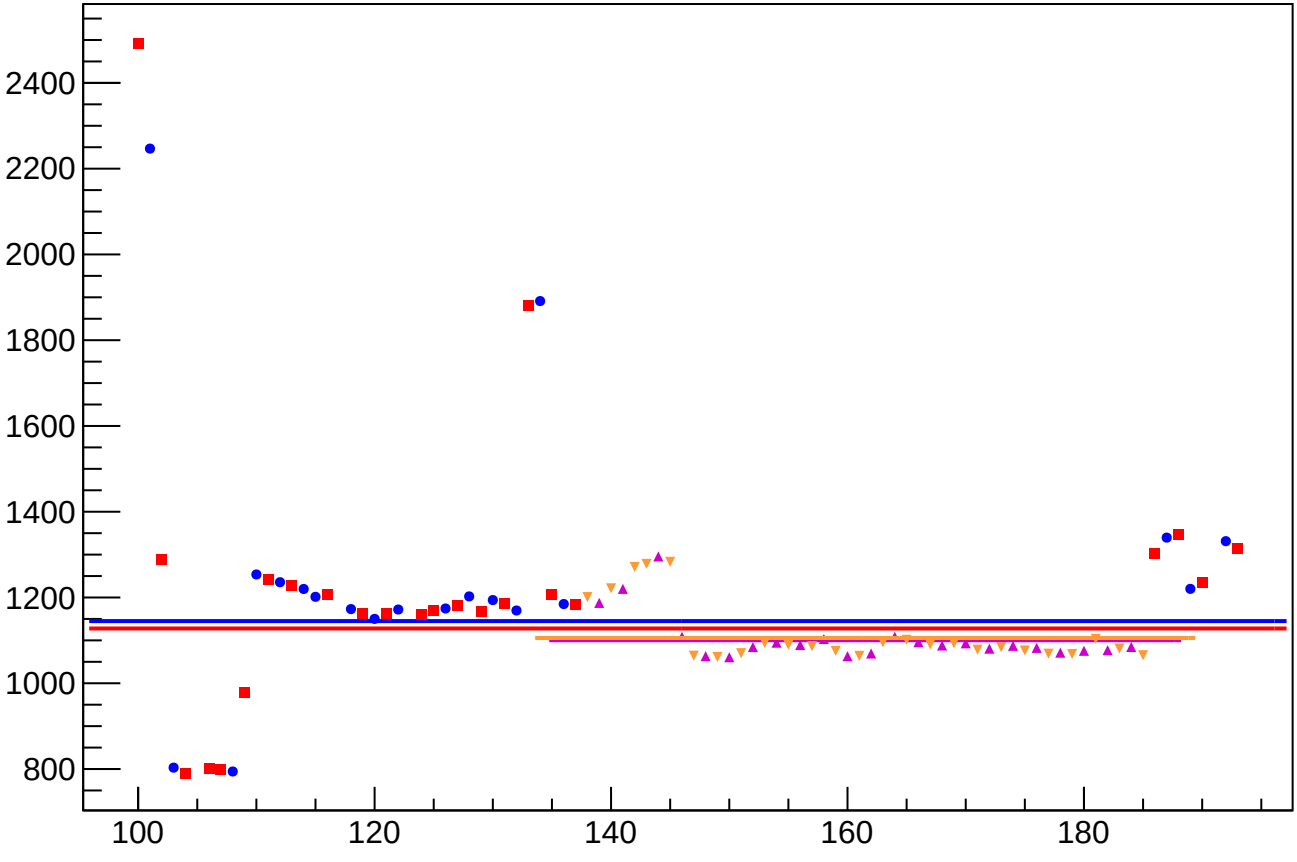
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 141.184+/-211.815 χ^2/NDF: 59.9/43

All: 227.349+/-149.496 χ^2/NDF: 92.4/89

- sign 312.873+/-211.025 χ^2/NDF: 32.1/45

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

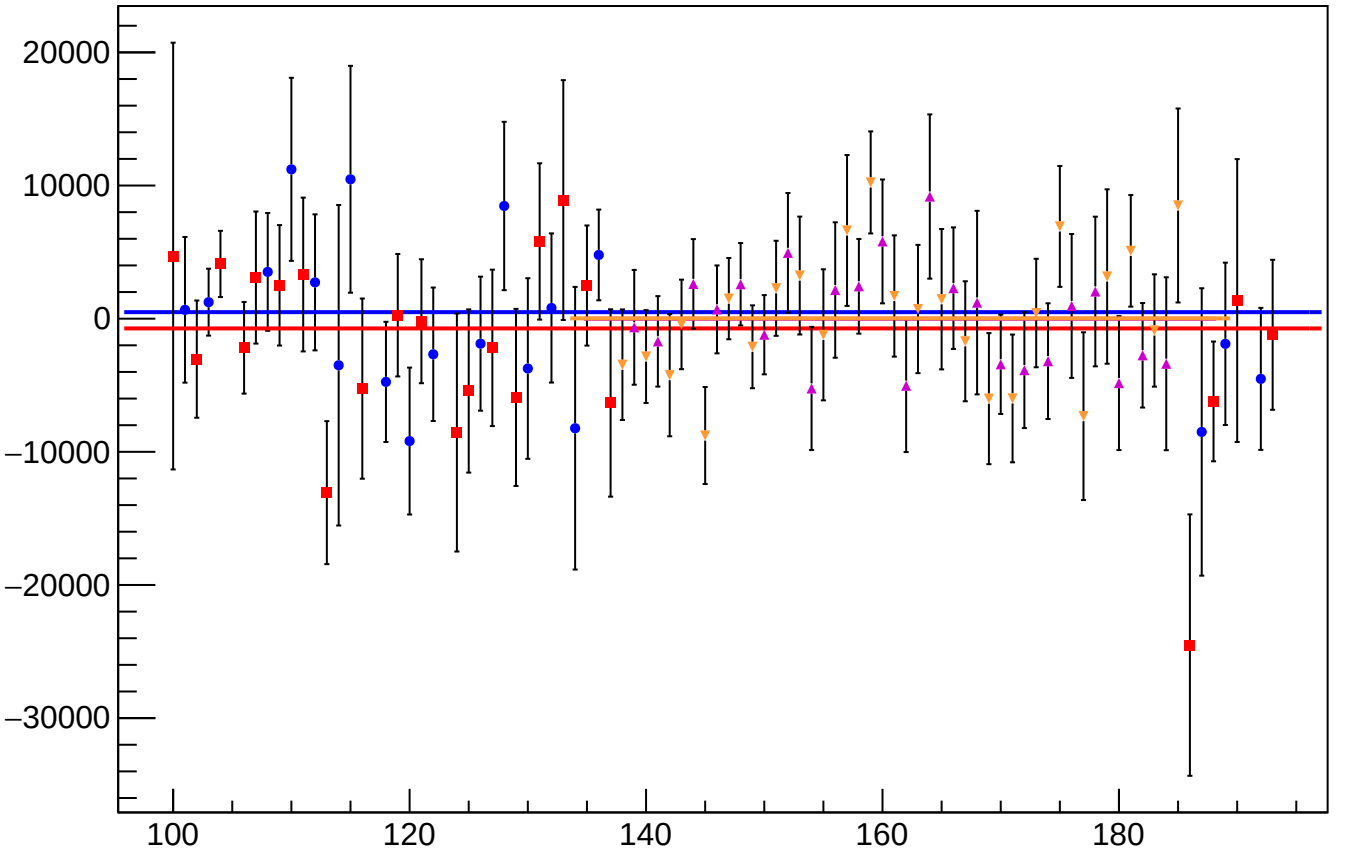
Right Out: 1127.743+/-0.261 χ^2/NDF: 718666.6/22

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1117.016+/-0.150 χ^2/NDF: 1014290.8/43

All: 1113.153+/-0.106 χ^2/NDF: 1821953.2/89

- sign 1109.322+/-0.149 χ^2/NDF: 806337.1/45



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: -732.823+/-1070.569 χ^2/NDF: 24.7/22

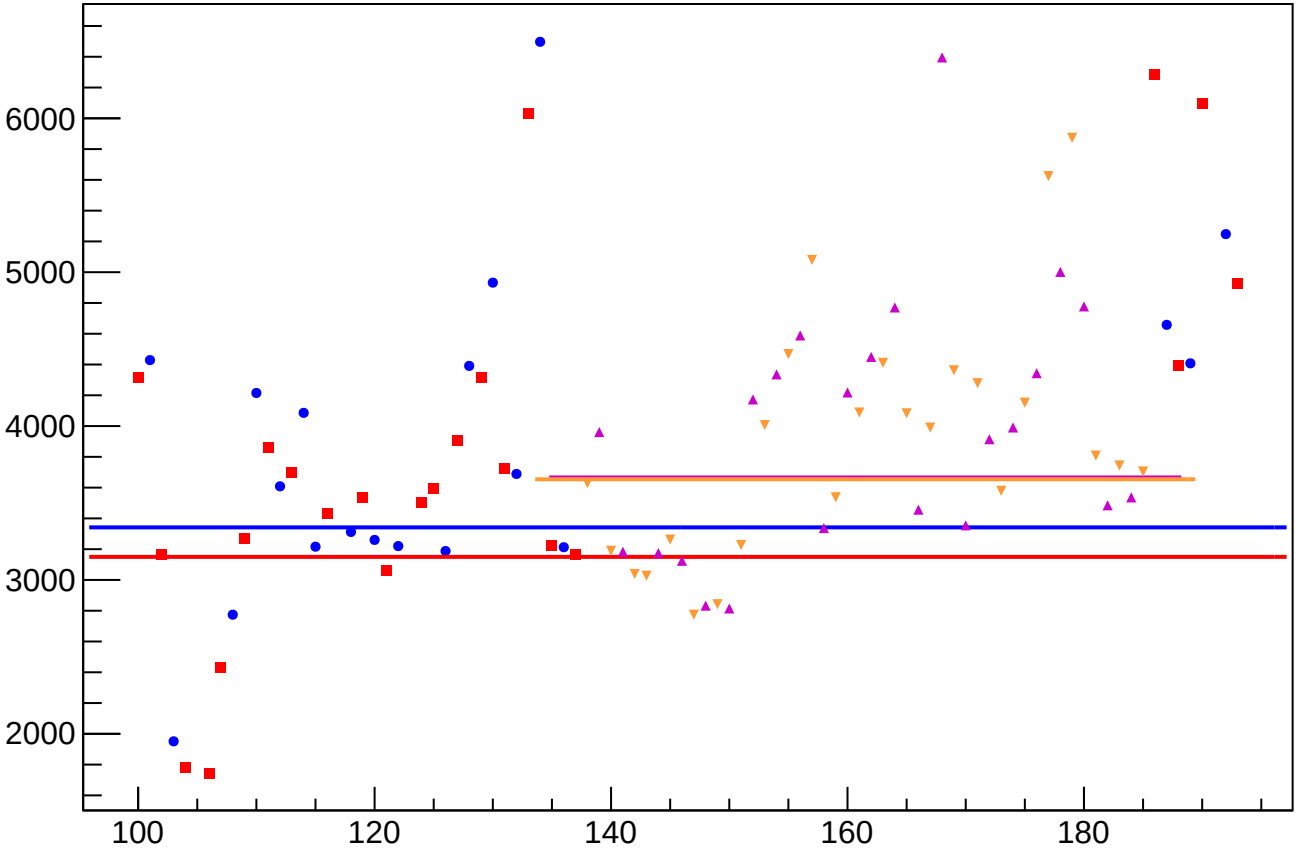
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 184.667+/-688.203 χ^2/NDF: 44.3/43

All: -60.105+/-482.846 χ^2/NDF: 83.5/89

- sign -297.405+/-677.616 χ^2/NDF: 39.0/45

asym_usr_atr2_dd_eigen_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: 3149.924+/-0.757 χ^2/NDF: 2104300.6/22

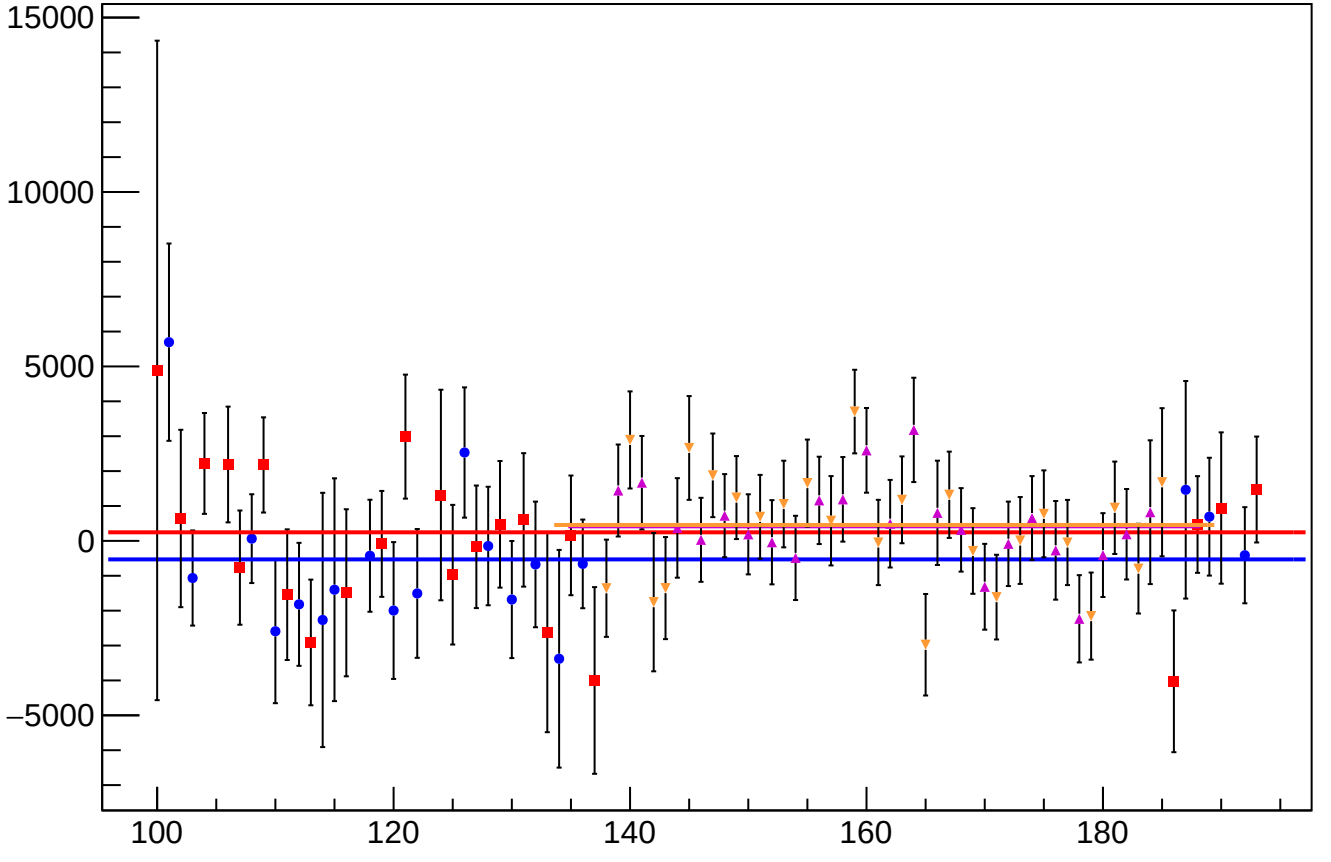
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3546.335+/-0.487 χ^2/NDF: 2877320.9/43

All: 3502.151+/-0.341 χ^2/NDF: 6620258.1/89

- sign 3459.315+/-0.479 χ^2/NDF: 3726701.0/45

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: 245.563+/-386.093 χ^2/NDF: 22.1/22

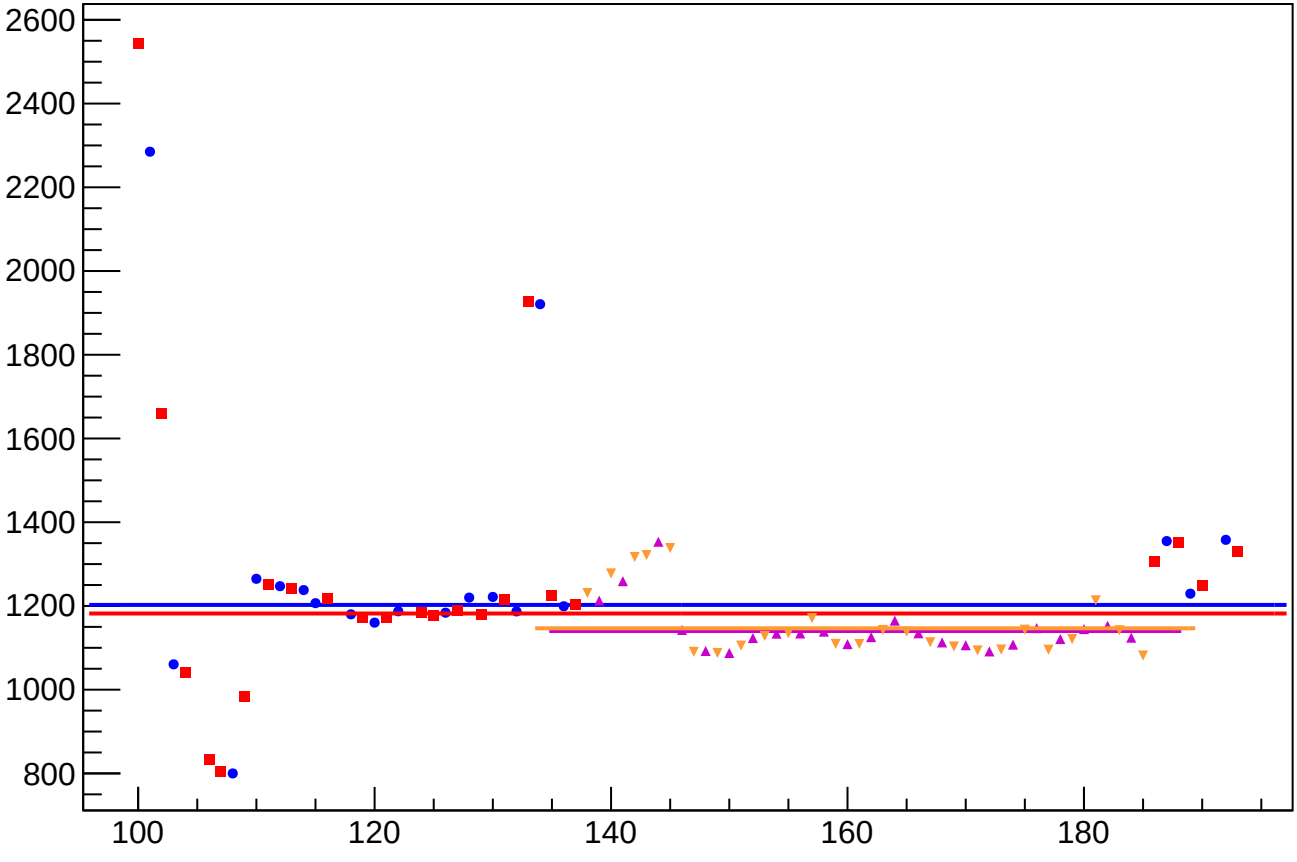
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 171.194+/-220.162 χ^2/NDF: 53.2/43

All: 266.836+/-155.398 χ^2/NDF: 93.2/89

- sign 361.792+/-219.371 χ^2/NDF: 39.6/45

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

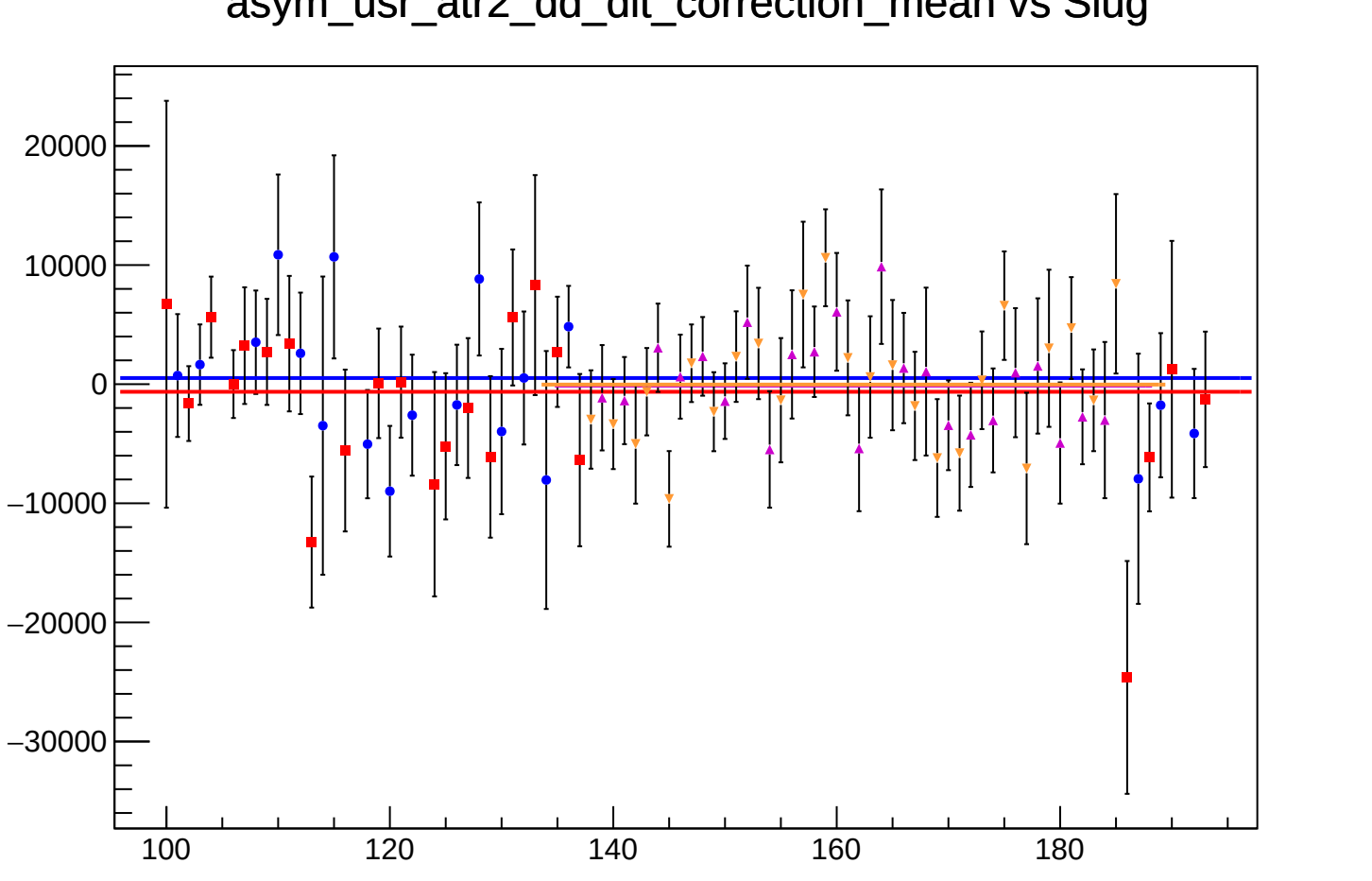
Right Out: 1181.960+/-0.273 χ^2/NDF: 571042.6/22

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1162.729+/-0.156 χ^2/NDF: 824679.3/43

All: 1158.181+/-0.110 χ^2/NDF: 1498035.9/89

- sign 1153.666+/-0.155 χ^2/NDF: 671655.8/45



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: -638.341+/-1065.499 χ^2/NDF: 24.0/22

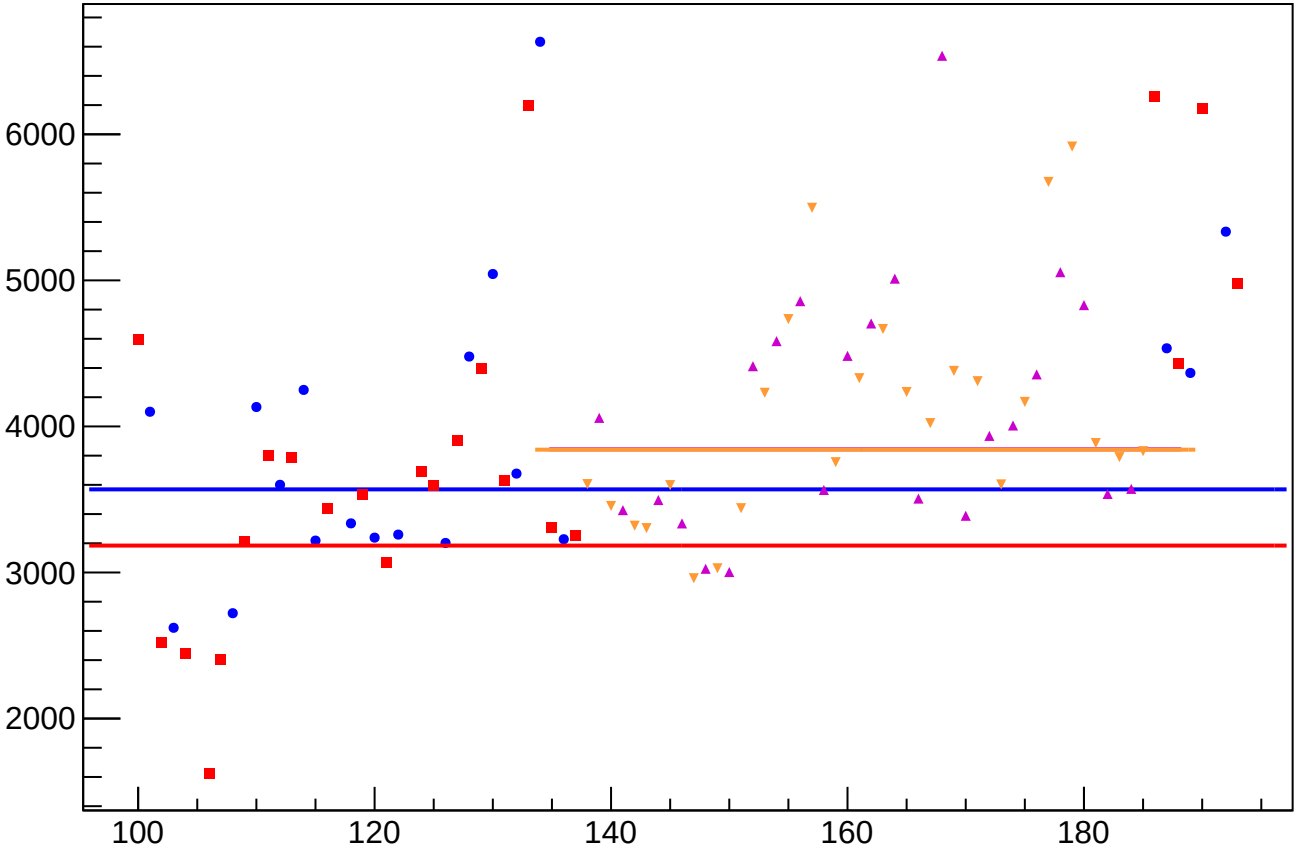
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 155.725+/-721.978 χ^2/NDF: 43.4/43

All: -102.178+/-500.510 χ^2/NDF: 81.6/89

- sign -340.810+/-694.479 χ^2/NDF: 37.9/45

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: 3184.259+/-0.753 χ^2/NDF: 1948084.0/22

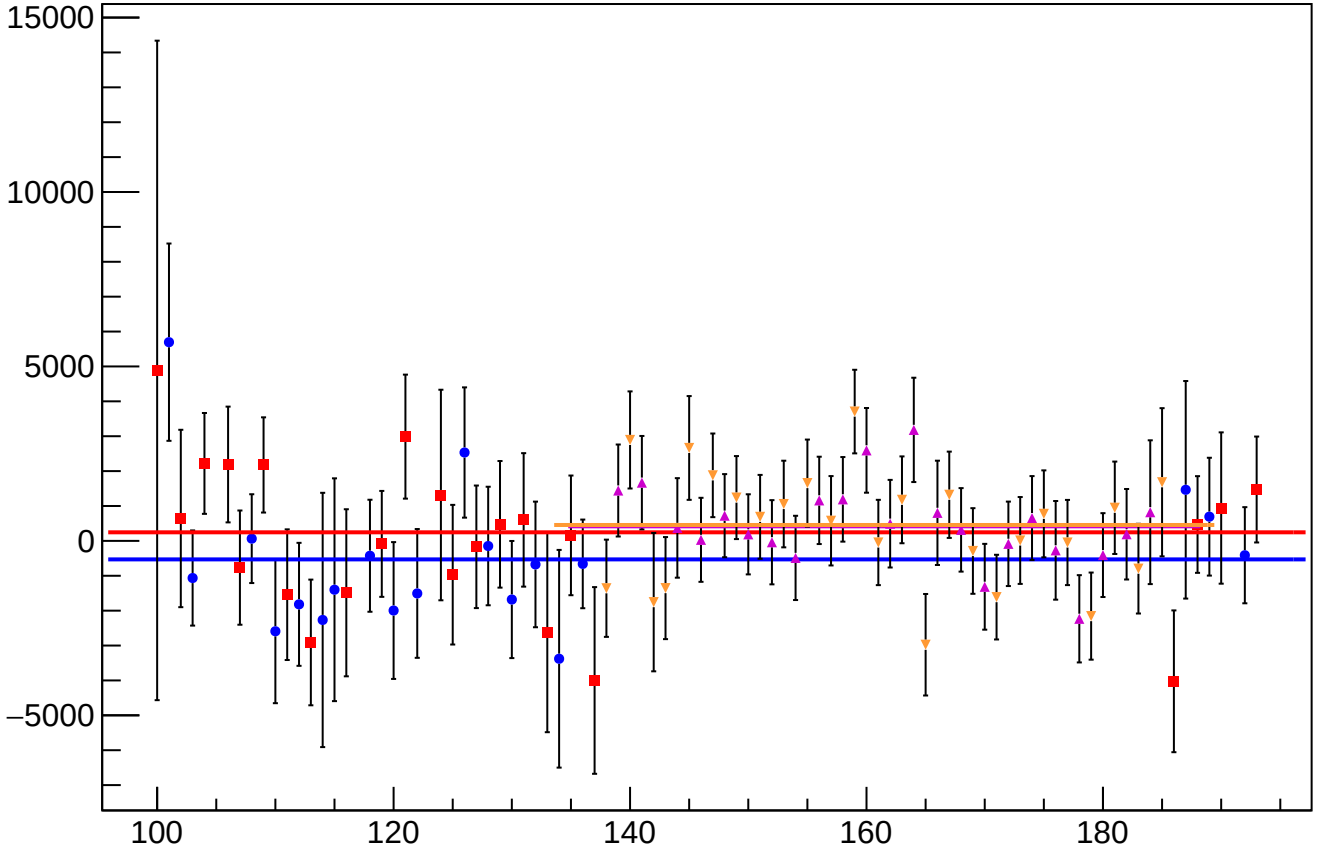
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3747.364+/-0.511 χ^2/NDF: 2065943.1/43

All: 3651.780+/-0.354 χ^2/NDF: 5717709.7/89

- sign 3563.338+/-0.491 χ^2/NDF: 3584275.1/45

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: 245.568+/-386.093 χ^2/NDF: 22.1/22

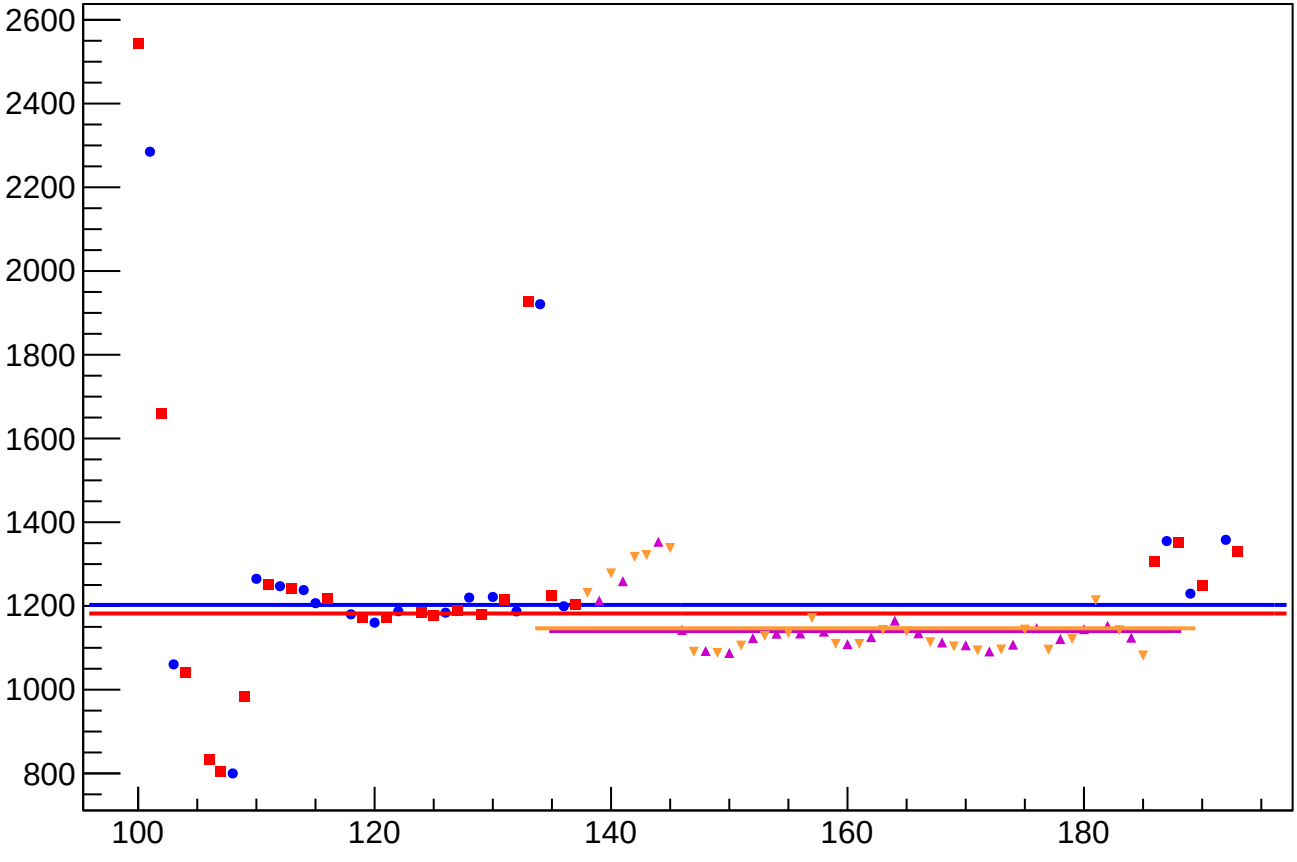
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

\+ sign 171.196+/-220.162 χ^2/NDF: 53.2/43

All: 266.837+/-155.398 χ^2/NDF: 93.2/89

\- sign 361.792+/-219.371 χ^2/NDF: 39.6/45

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

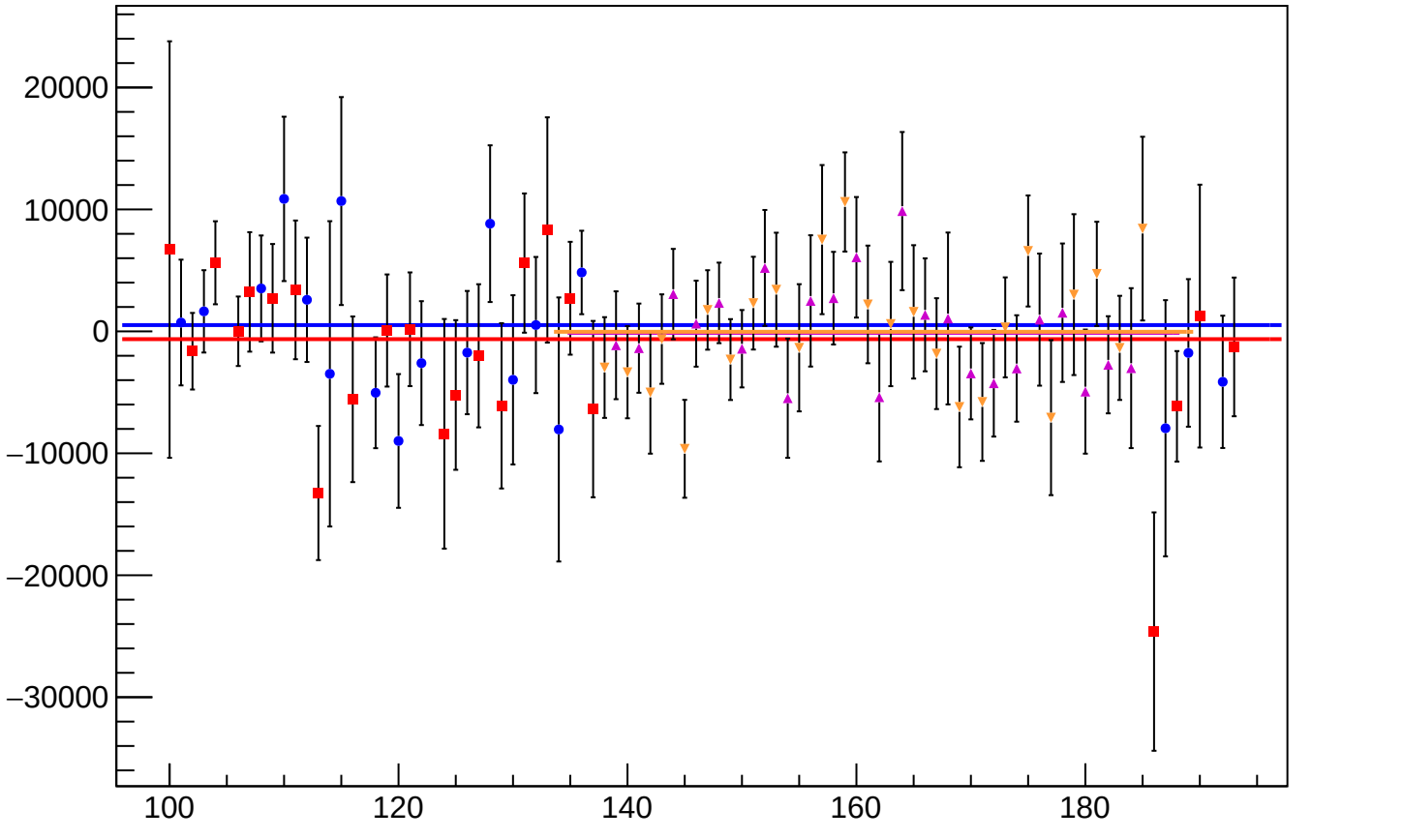
Right Out: 1181.960+/-0.273 χ^2/NDF: 571042.0/22

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1162.729+/-0.156 χ^2/NDF: 824678.6/43

All: 1158.181+/-0.110 χ^2/NDF: 1498033.8/89

- sign 1153.667+/-0.155 χ^2/NDF: 671654.5/45



Right In: 516.719+/-1231.036 χ^2/NDF: 15.5/18

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

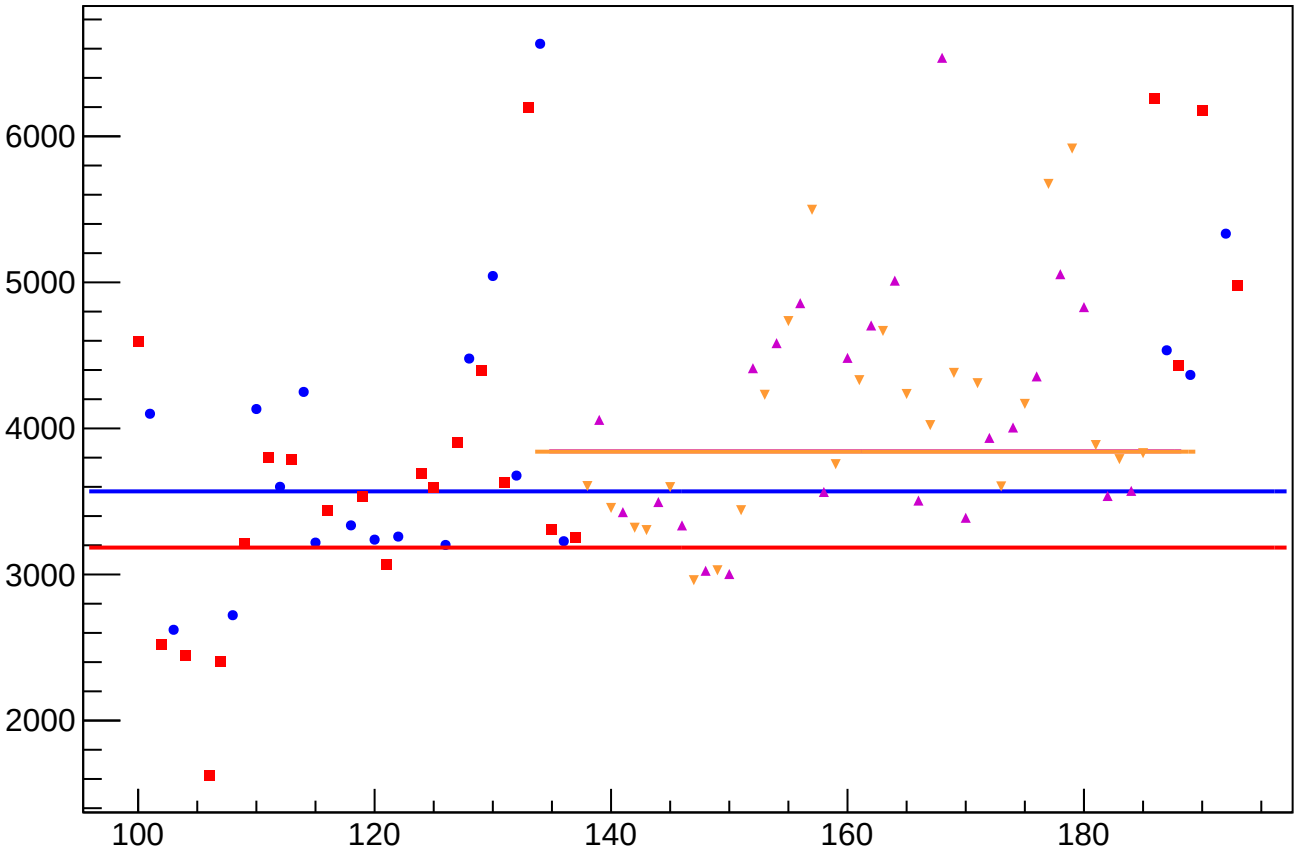
Right Out: -638.333+/-1065.498 χ^2/NDF: 24.0/22

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 155.722+/-721.979 χ^2/NDF: 43.4/43

All: -102.180+/-500.510 χ^2/NDF: 81.6/89

- sign -340.809+/-694.479 χ^2/NDF: 37.9/45



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: 3184.254+/-0.753 χ^2/NDF: 1948087.3/22

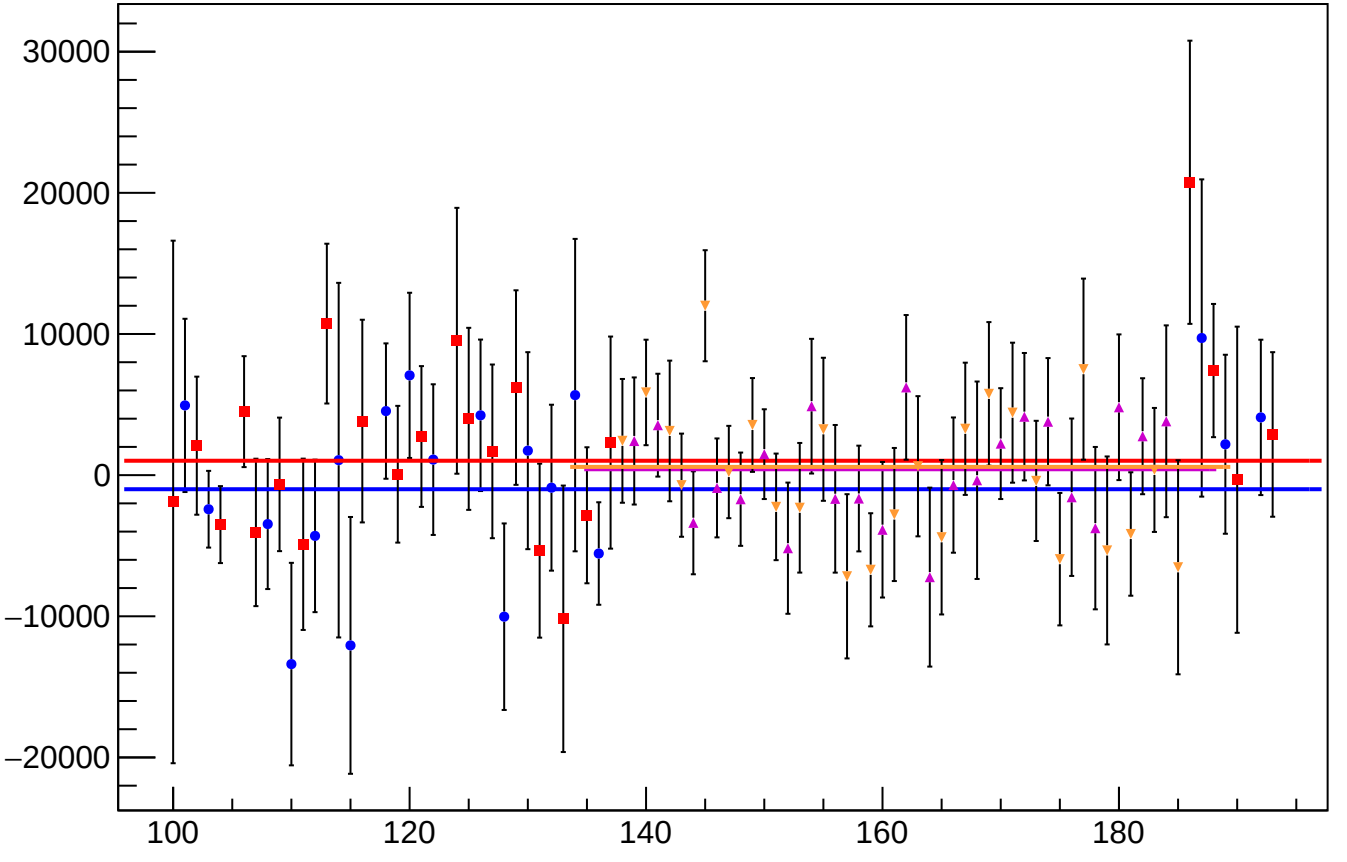
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3747.366+/-0.511 χ^2/NDF: 2065946.6/43

All: 3651.781+/-0.354 χ^2/NDF: 5717735.1/89

- sign 3563.338+/-0.491 χ^2/NDF: 3584295.4/45

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: 1019.913+/-1147.163 χ^2/NDF: 19.5/22

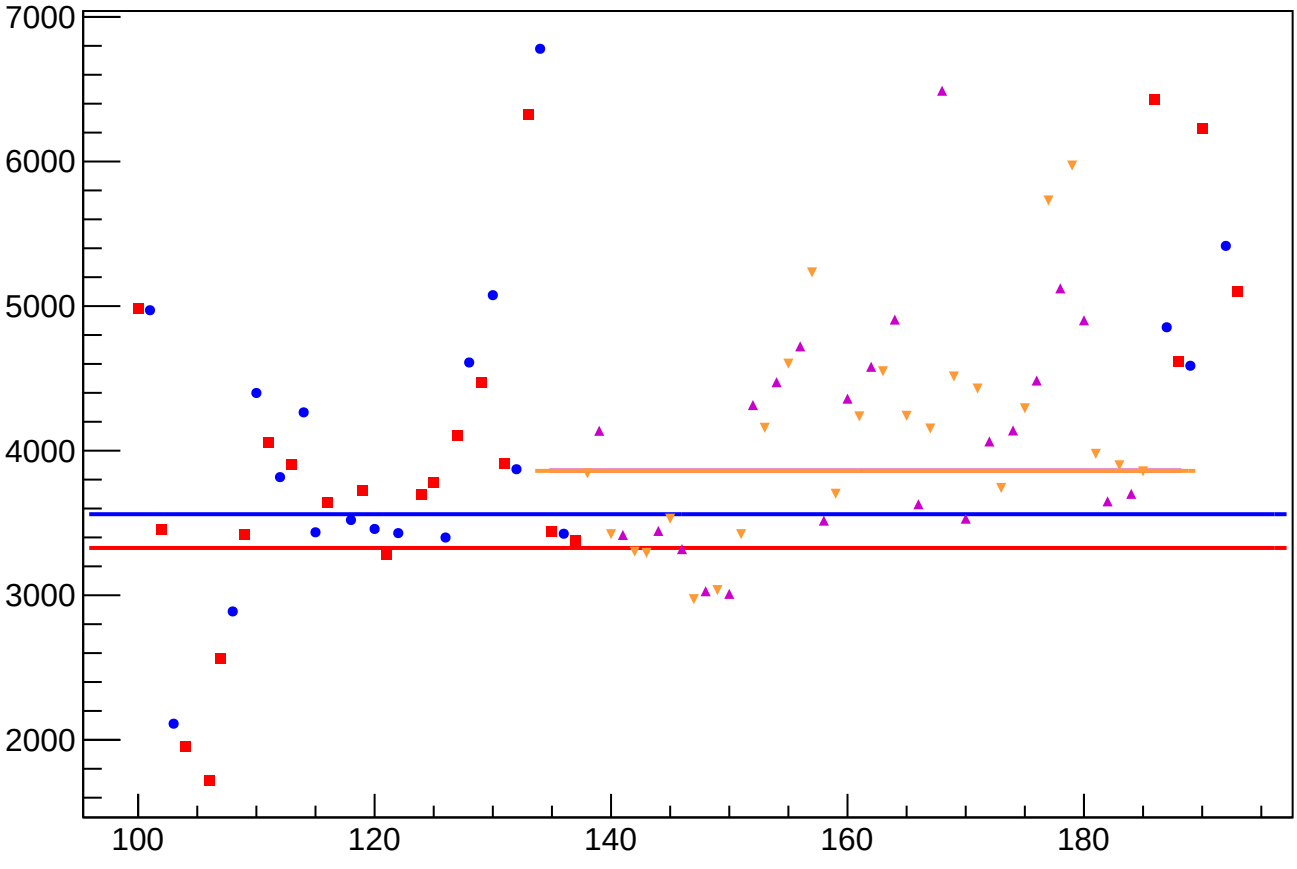
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign 44.381+/-726.510 χ^2/NDF: 45.2/43

All: 352.378+/-510.409 χ^2/NDF: 77.6/89

- sign 652.562+/-717.234 χ^2/NDF: 32.1/45

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

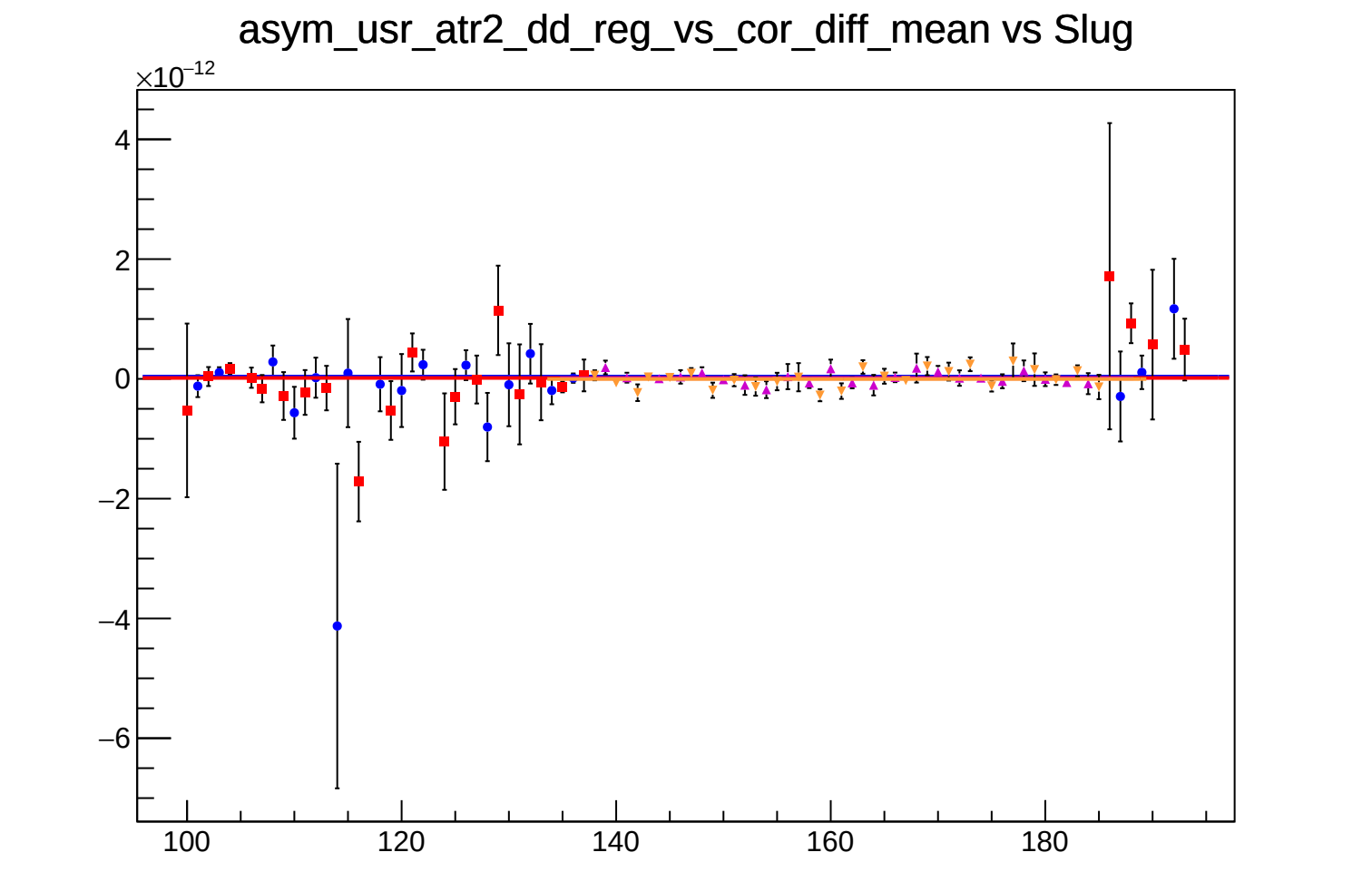
Right Out: 3327.164+/-0.799 χ^2/NDF: 2075996.4/22

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

\+ sign 3758.297+/-0.514 χ^2/NDF: 2561352.4/43

All: 3702.798+/-0.360 χ^2/NDF: 6072384.6/89

\- sign 3649.338+/-0.504 χ^2/NDF: 3488118.5/45



Right In: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

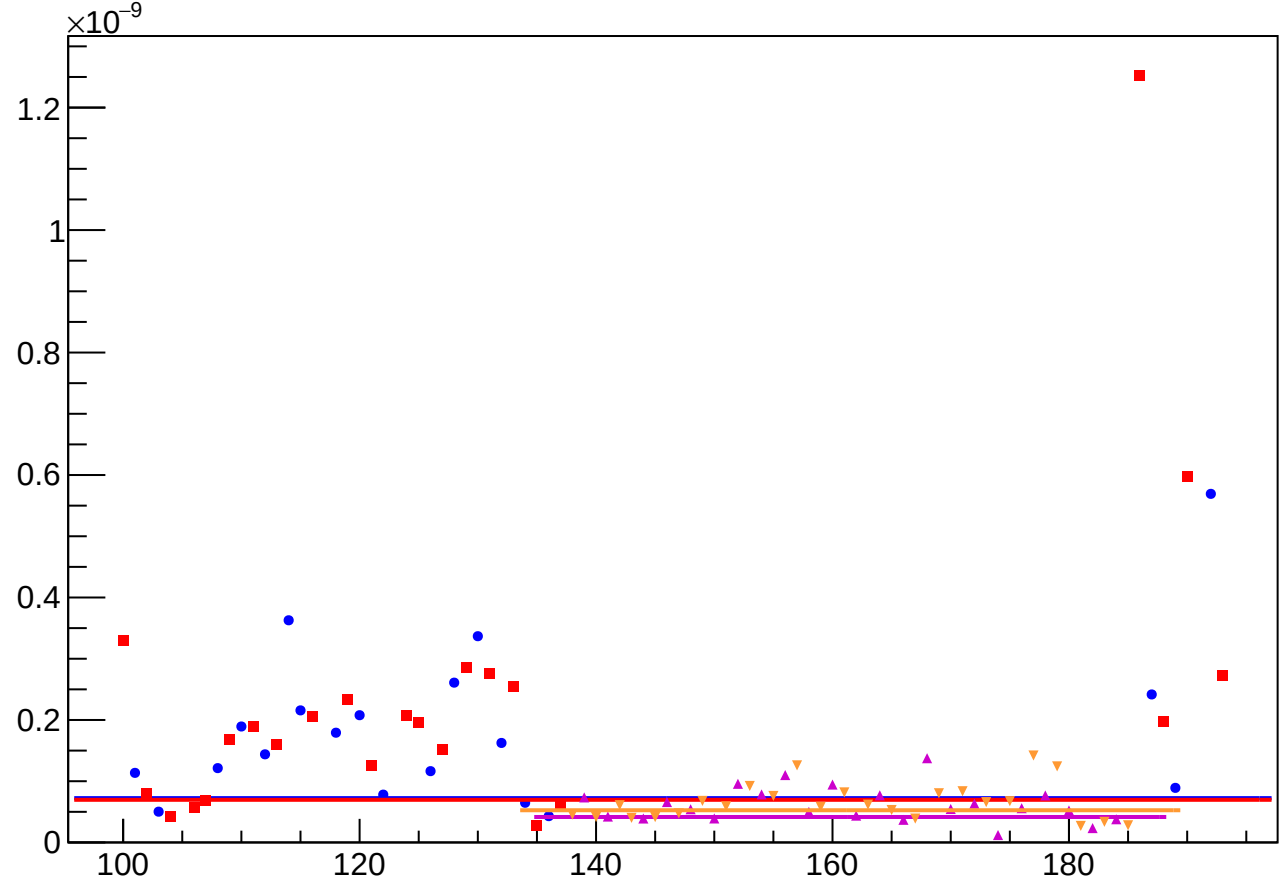
Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/22

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: 92.9/89

- sign 0.000+/-0.000 χ^2/NDF: 44.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 2554588.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3672200.9/22

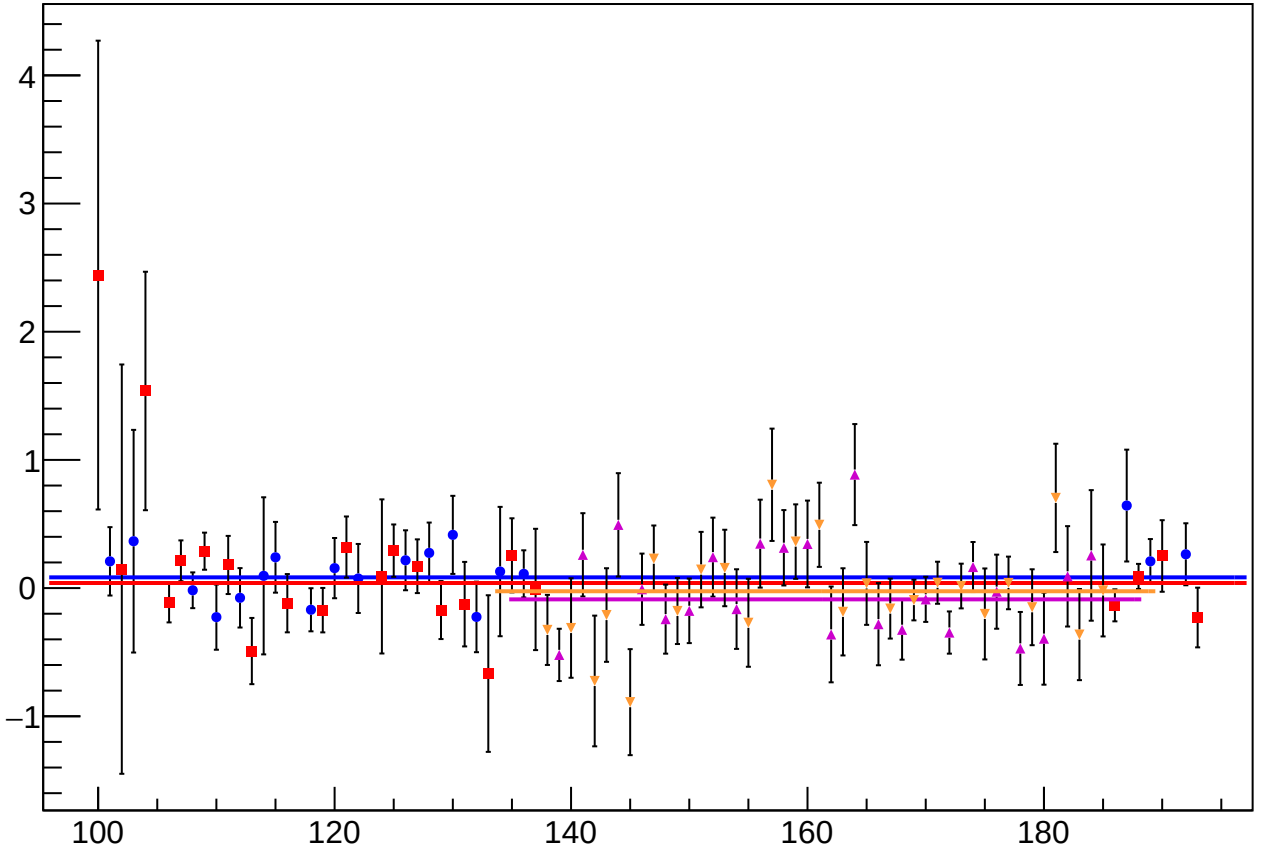
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4449295.9/43

All: 0.000+/-0.000 χ^2/NDF: 11939079.3/89

- sign 0.000+/-0.000 χ^2/NDF: 7183656.8/45

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: 0.040+/-0.043 χ^2/NDF: 26.5/22

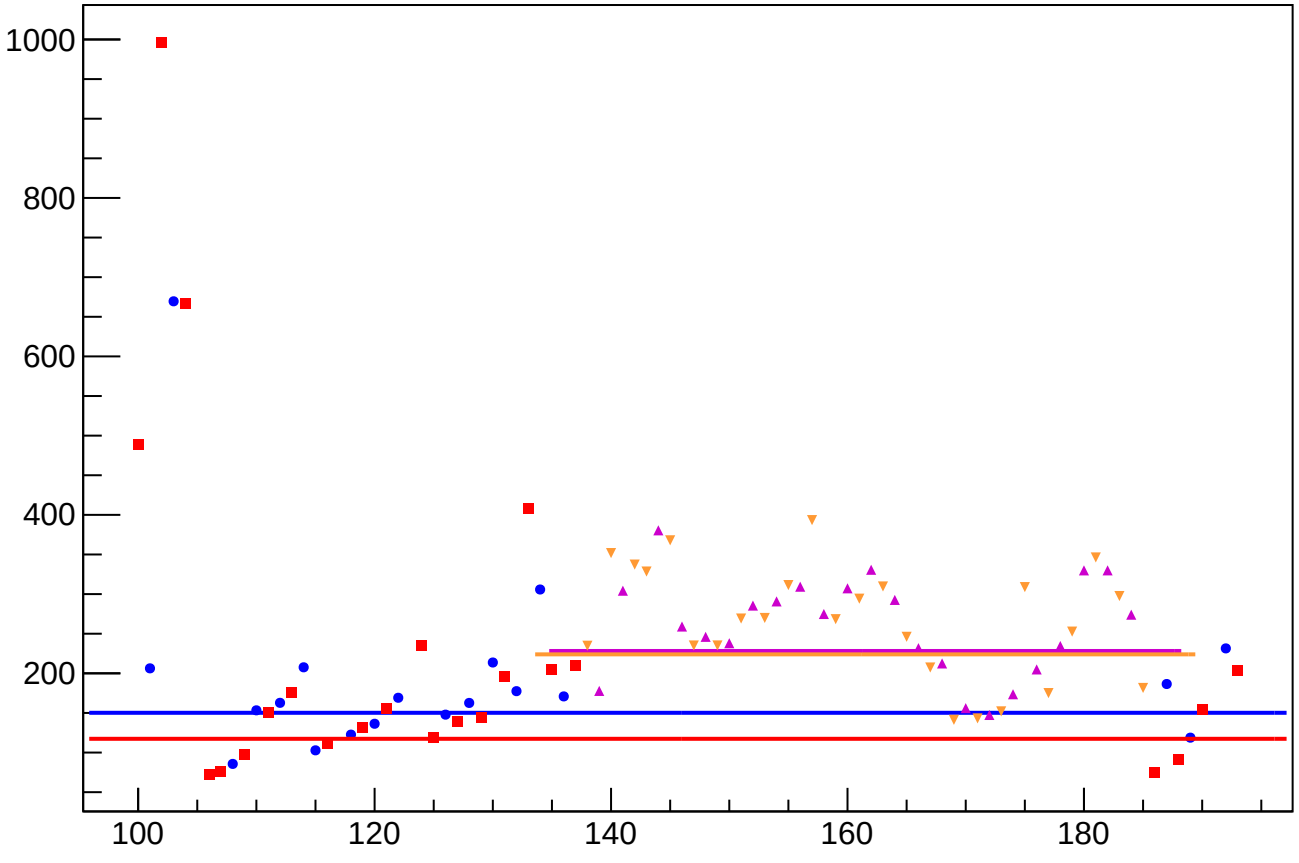
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.029+/-0.039 χ^2/NDF: 37.7/43

All: 0.009+/-0.026 χ^2/NDF: 98.0/89

- sign -0.007+/-0.034 χ^2/NDF: 59.8/45

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: 117.356+/-0.031 χ^2/NDF: 3600498.7/22

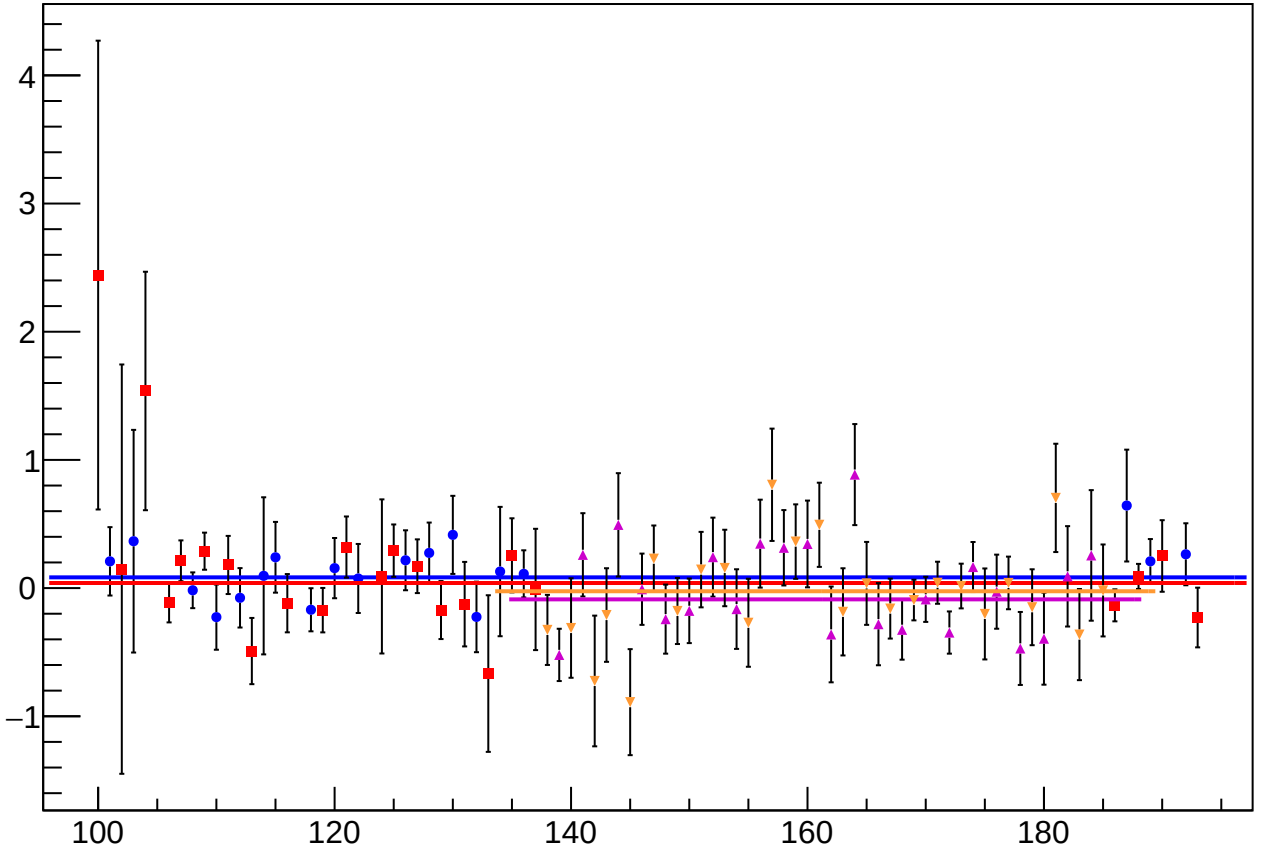
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 187.197+/-0.027 χ^2/NDF: 7274280.5/43

All: 170.978+/-0.018 χ^2/NDF: 18829908.8/89

- sign 158.164+/-0.024 χ^2/NDF: 10926026.9/45

asym_usr_atr2_dd_dit_vs_eigen_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

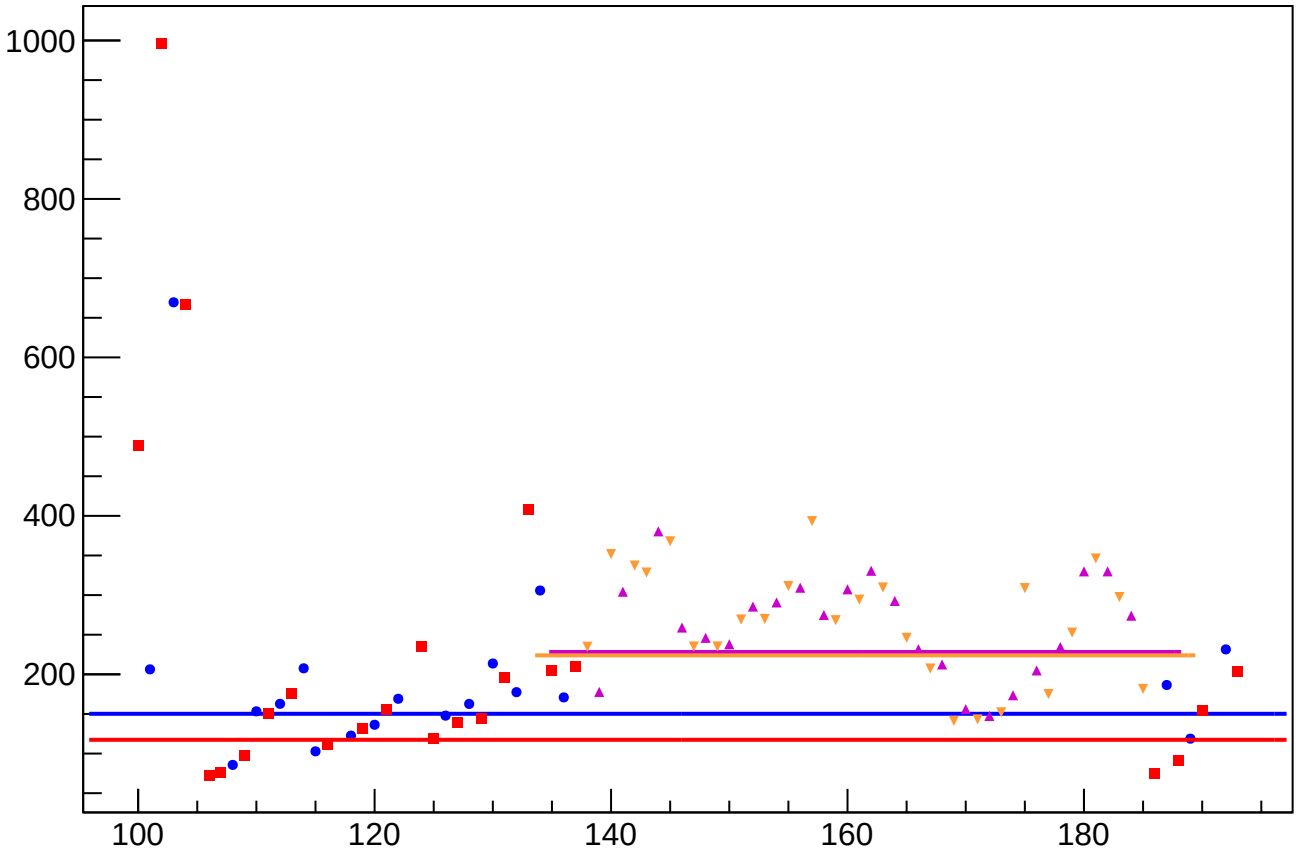
Right Out: 0.040+/-0.043 χ^2/NDF: 26.5/22

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.029+/-0.039 χ^2/NDF: 37.7/43

All: 0.009+/-0.026 χ^2/NDF: 98.0/89

- sign -0.007+/-0.034 χ^2/NDF: 59.8/45



Right In: 150.186+/-0.039 χ^2/NDF: 2017422.4/18

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

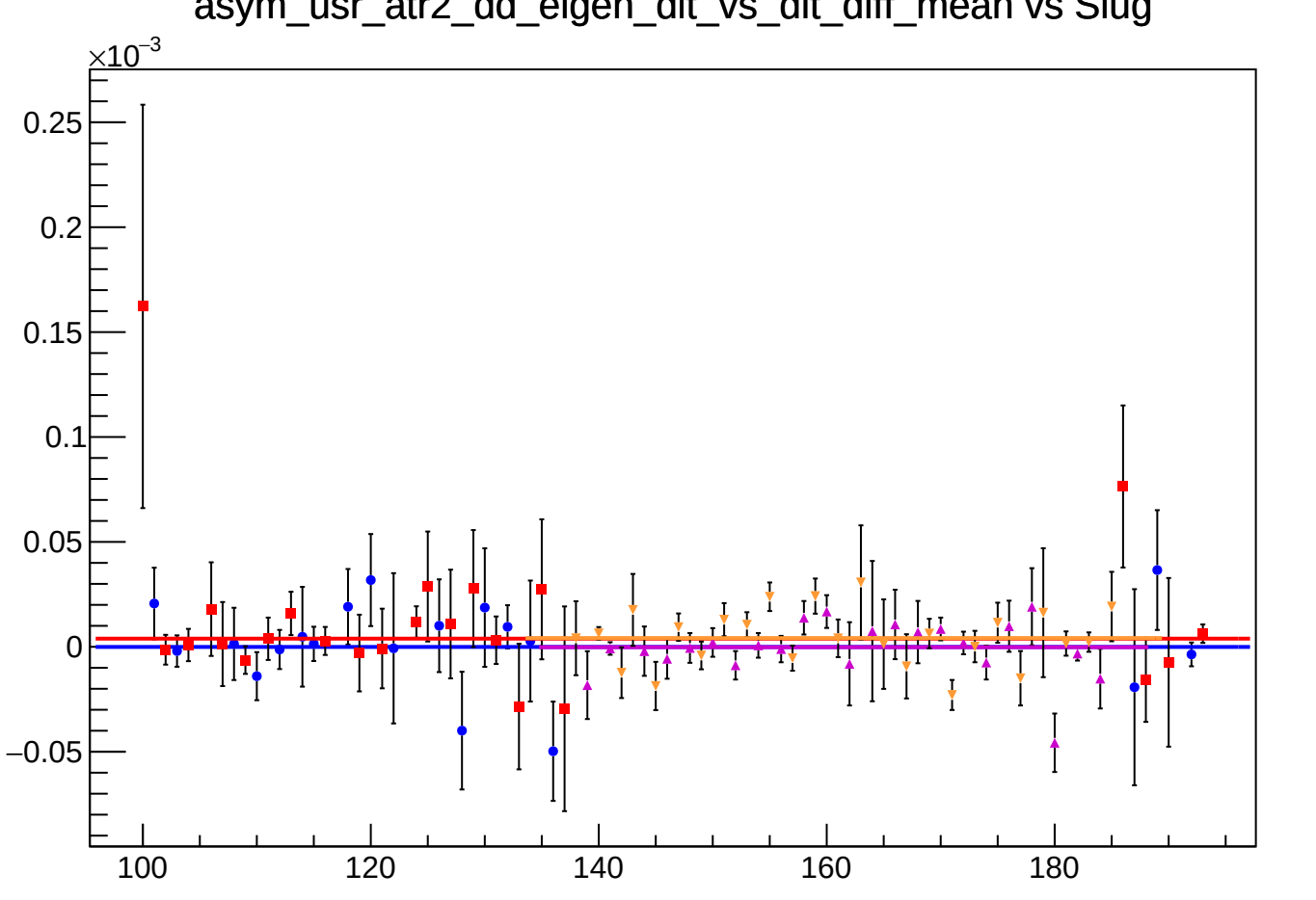
Right Out: 117.356+/-0.031 χ^2/NDF: 3600498.7/22

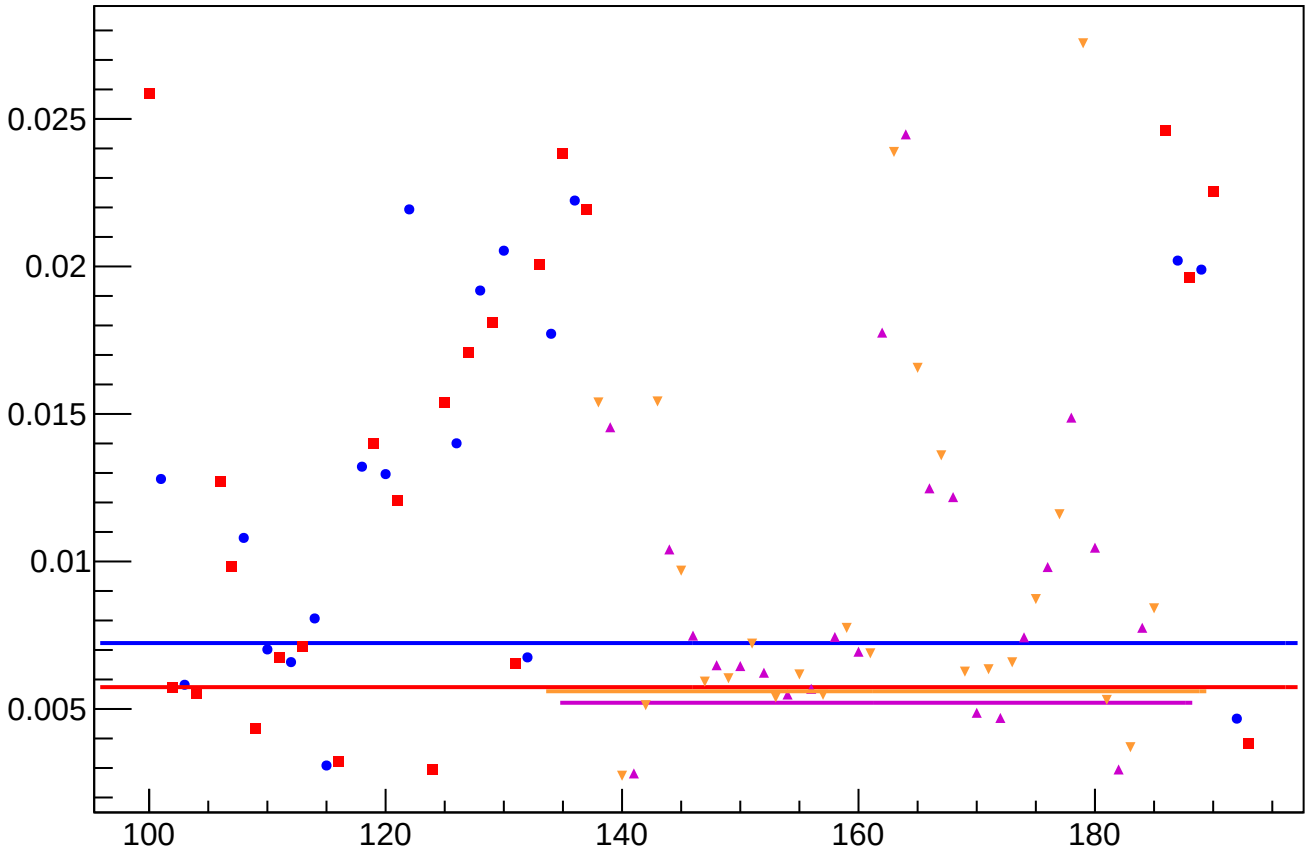
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 187.197+/-0.027 χ^2/NDF: 7274280.5/43

All: 170.978+/-0.018 χ^2/NDF: 18829908.8/89

- sign 158.164+/-0.024 χ^2/NDF: 10926026.9/45


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 16.5/18
Left Out: 0.000+/-0.000 χ²/NDF:48.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 17.6/22
Left In: -0.000+/-0.000 χ²/NDF:30.1/22
+ sign 0.000+/-0.000 χ²/NDF: 67.0/43
All: 0.000+/-0.000 χ²/NDF: 118.7/89
- sign 0.000+/-0.000 χ²/NDF: 50.1/45



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: 6191941.3/22

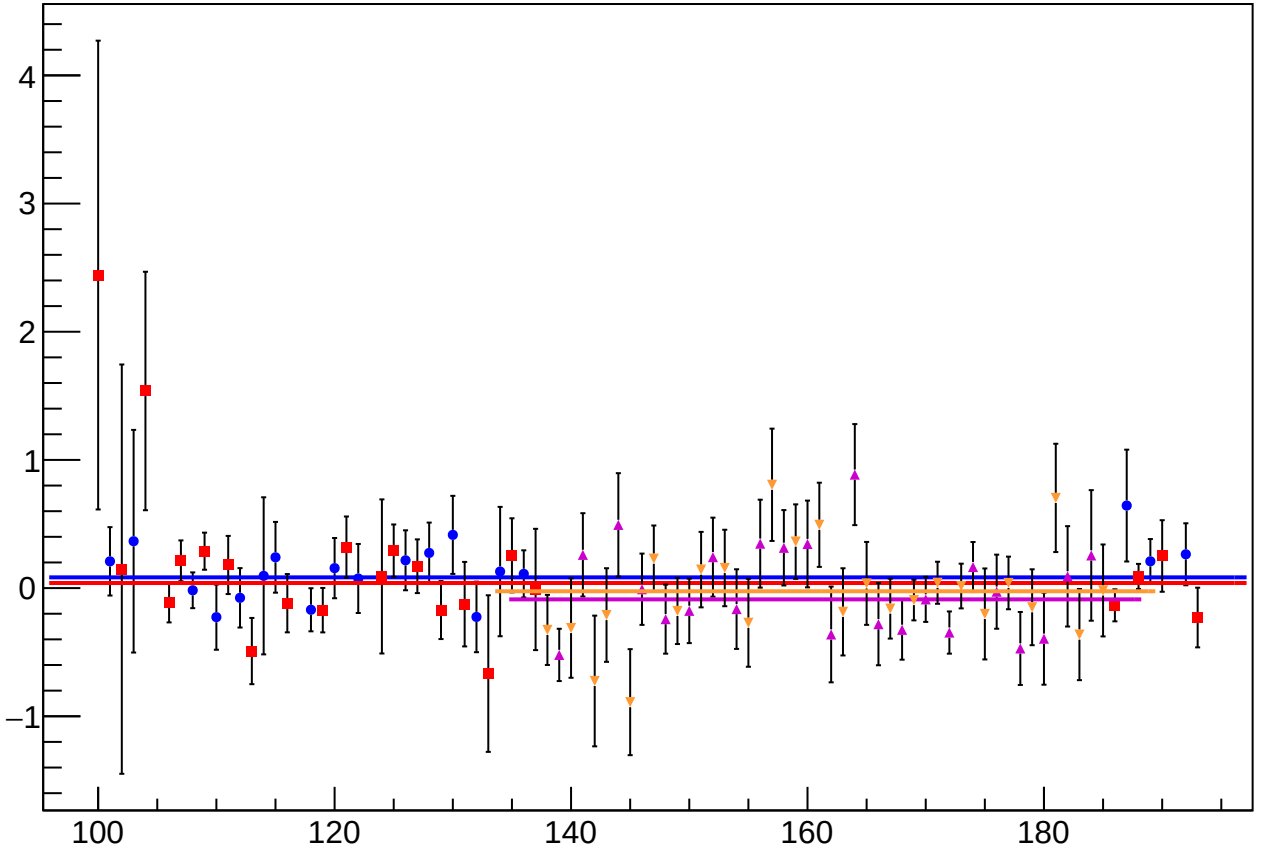
Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

+ sign 0.006+/-0.000 χ^2/NDF: 12881294.3/43

All: 0.006+/-0.000 χ^2/NDF: 26813184.2/89

- sign 0.005+/-0.000 χ^2/NDF: 13731900.7/45

asym_usr_atr2_dd_eigen_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: 0.040+/-0.043 χ^2/NDF: 26.5/22

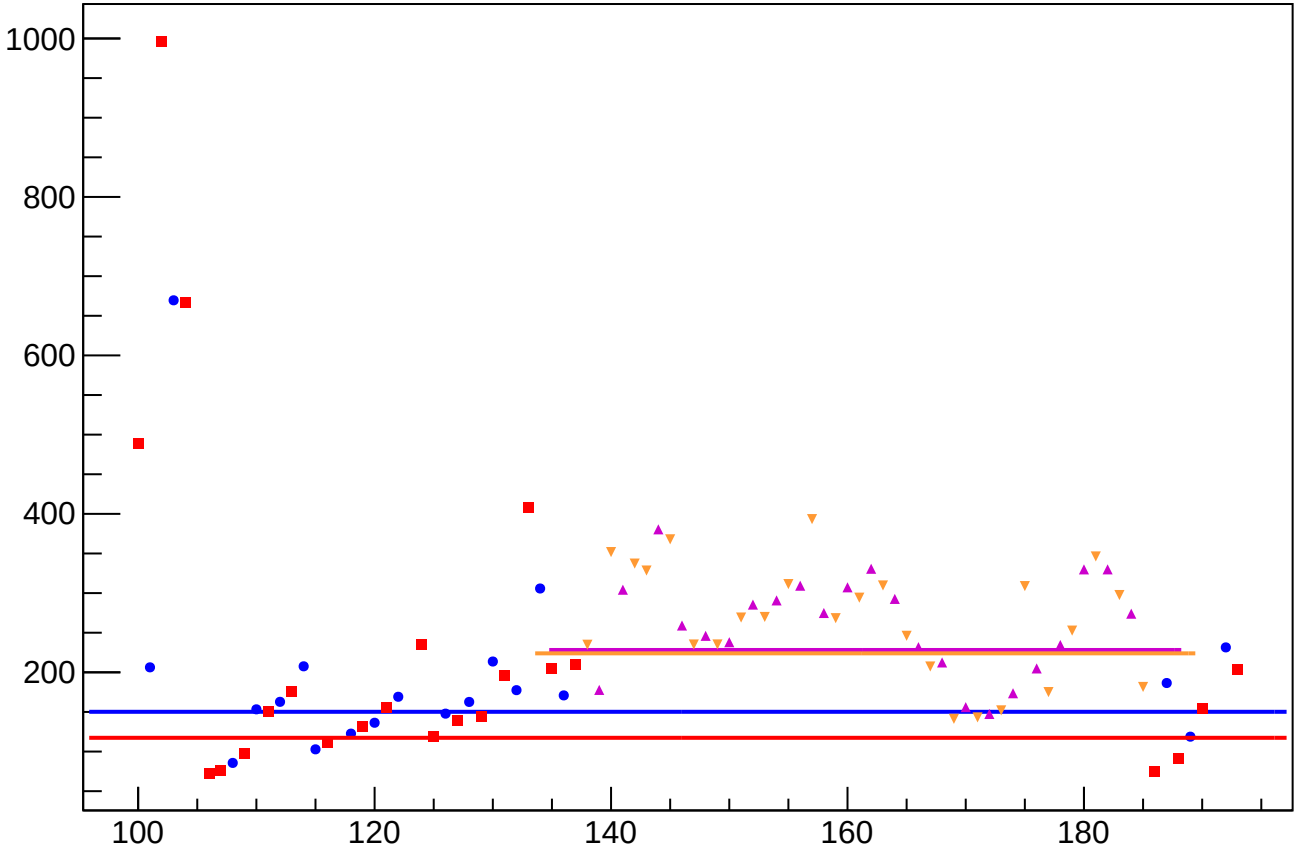
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.029+/-0.039 χ^2/NDF: 37.7/43

All: 0.009+/-0.026 χ^2/NDF: 98.0/89

- sign -0.007+/-0.034 χ^2/NDF: 59.8/45

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

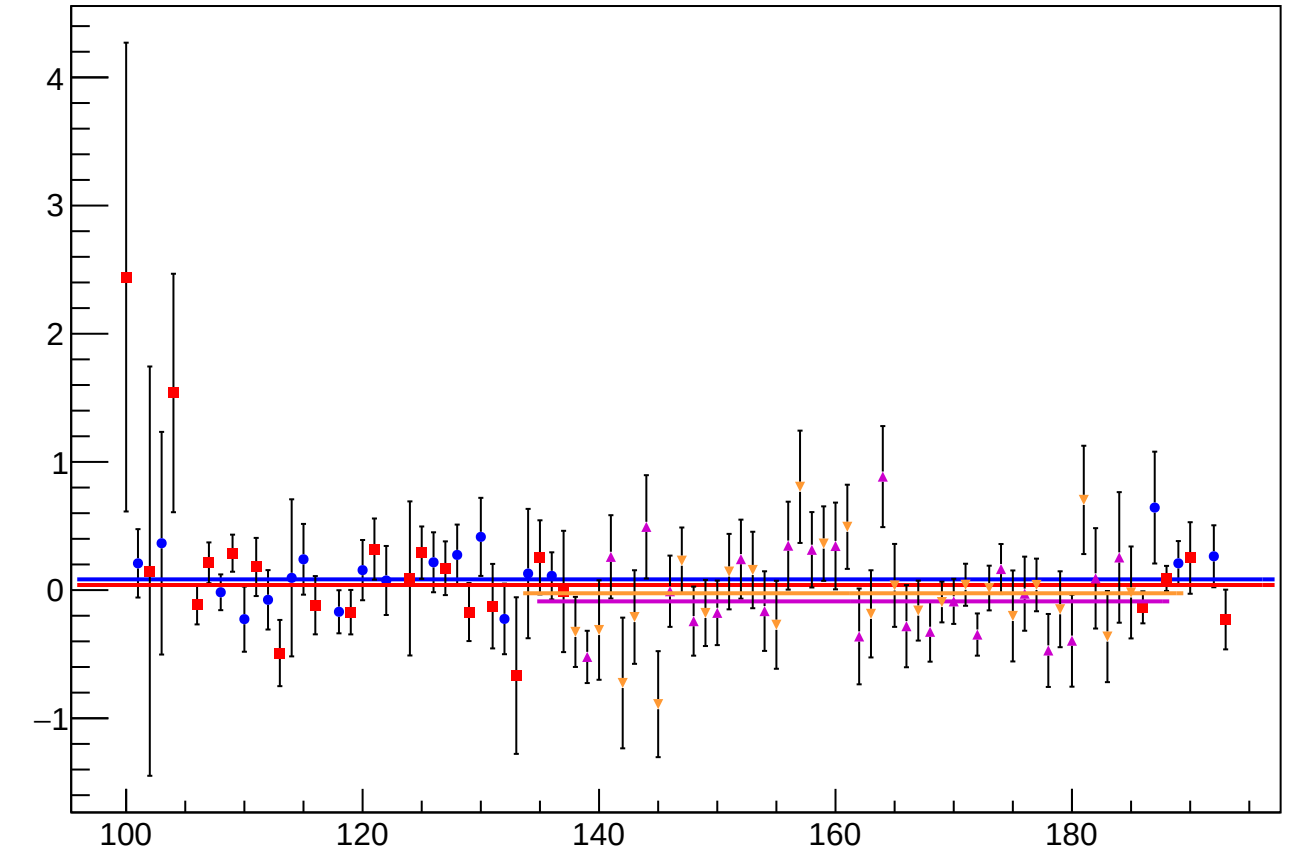
Right Out: 117.361+/-0.031 χ^2/NDF: 3600168.9/22

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 187.195+/-0.027 χ^2/NDF: 7274759.9/43

All: 170.980+/-0.018 χ^2/NDF: 18829382.2/89

- sign 158.169+/-0.024 χ^2/NDF: 10925319.0/45



Right In: 0.084+/-0.055 χ^2/NDF: 11.7/18

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

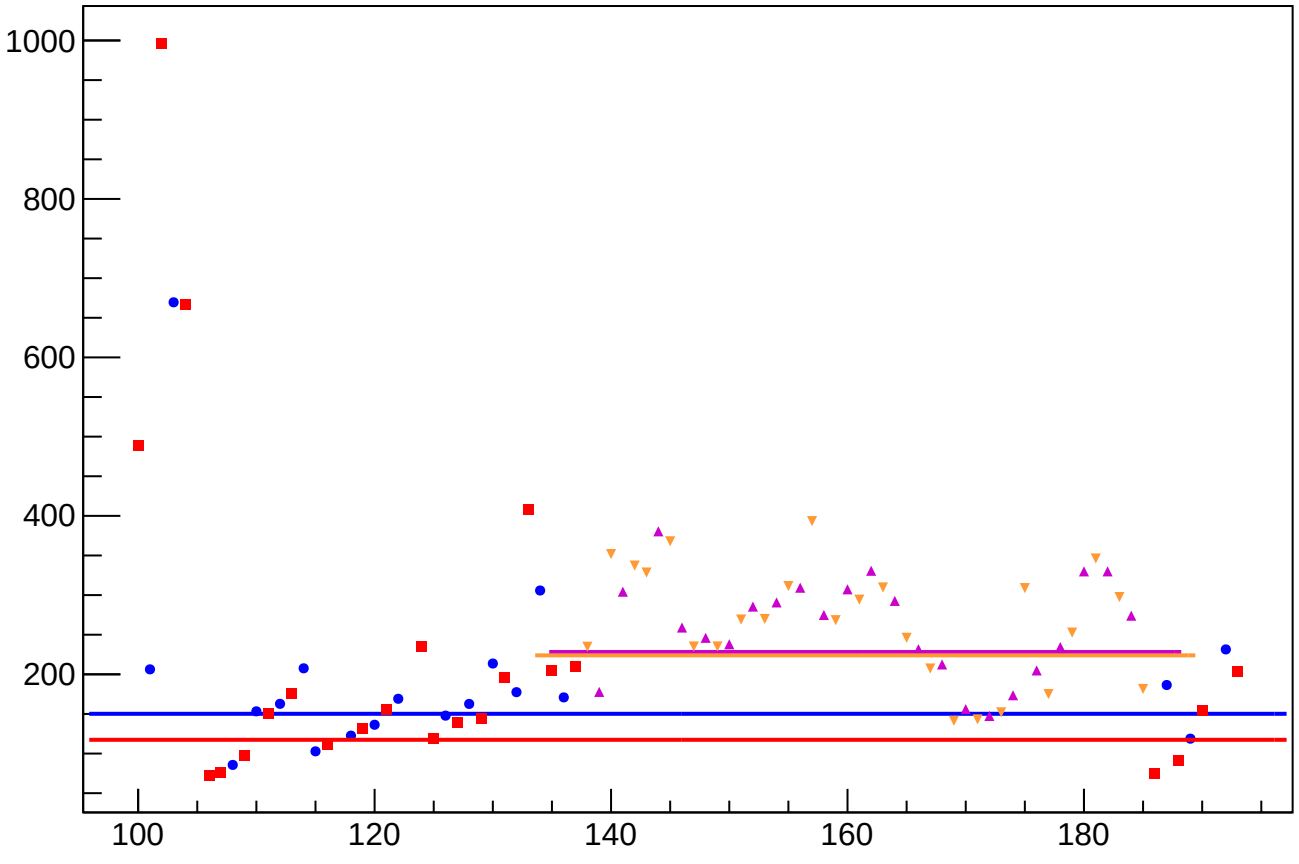
Right Out: 0.040+/-0.043 χ^2/NDF: 26.5/22

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.029+/-0.039 χ^2/NDF: 37.7/43

All: 0.009+/-0.026 χ^2/NDF: 98.0/89

- sign -0.007+/-0.034 χ^2/NDF: 59.8/45



Right In: 150.183+/-0.039 χ^2/NDF: 2017540.7/18

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

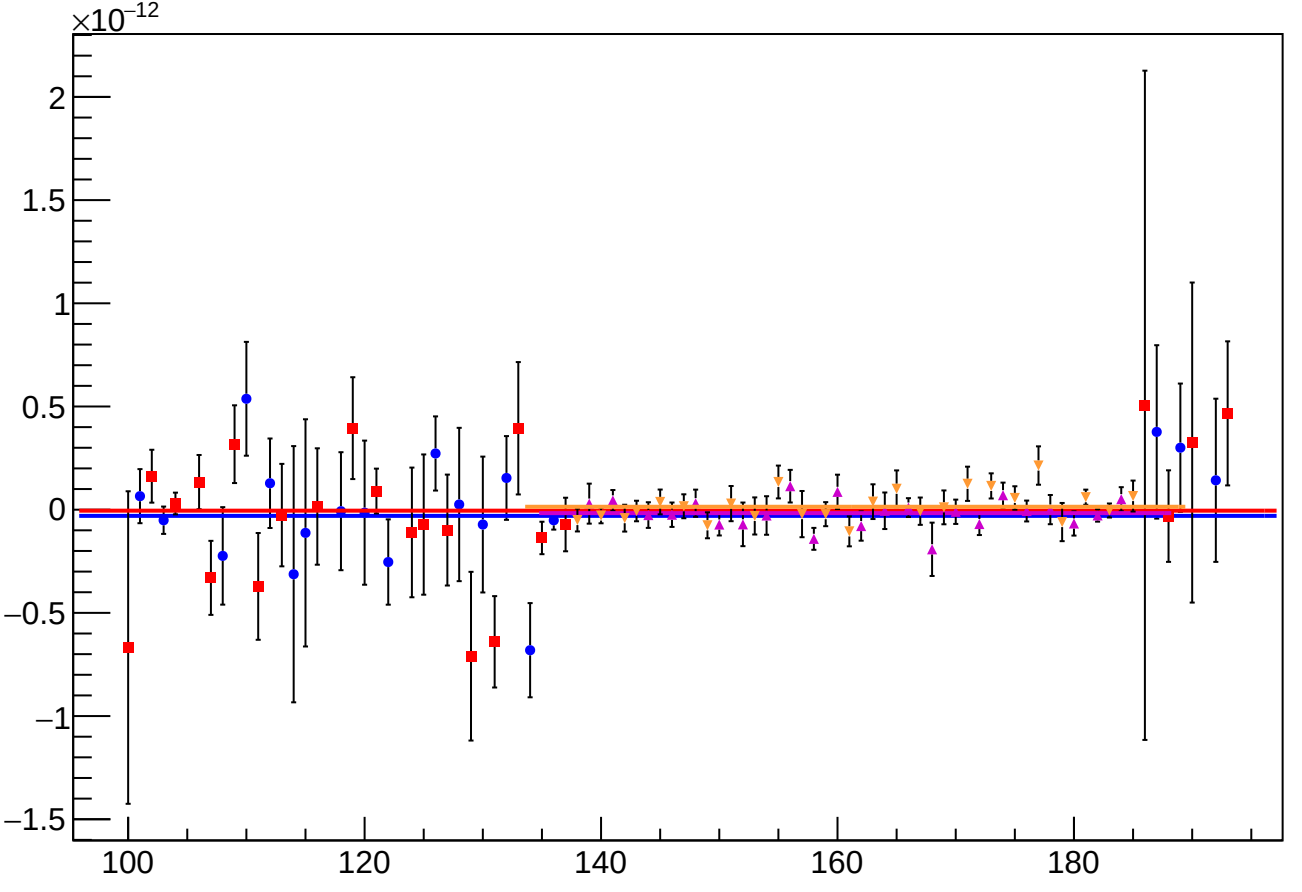
Right Out: 117.361+/-0.031 χ^2/NDF: 3600168.9/22

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 187.195+/-0.027 χ^2/NDF: 7274759.9/43

All: 170.980+/-0.018 χ^2/NDF: 18829382.2/89

- sign 158.169+/-0.024 χ^2/NDF: 10925319.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

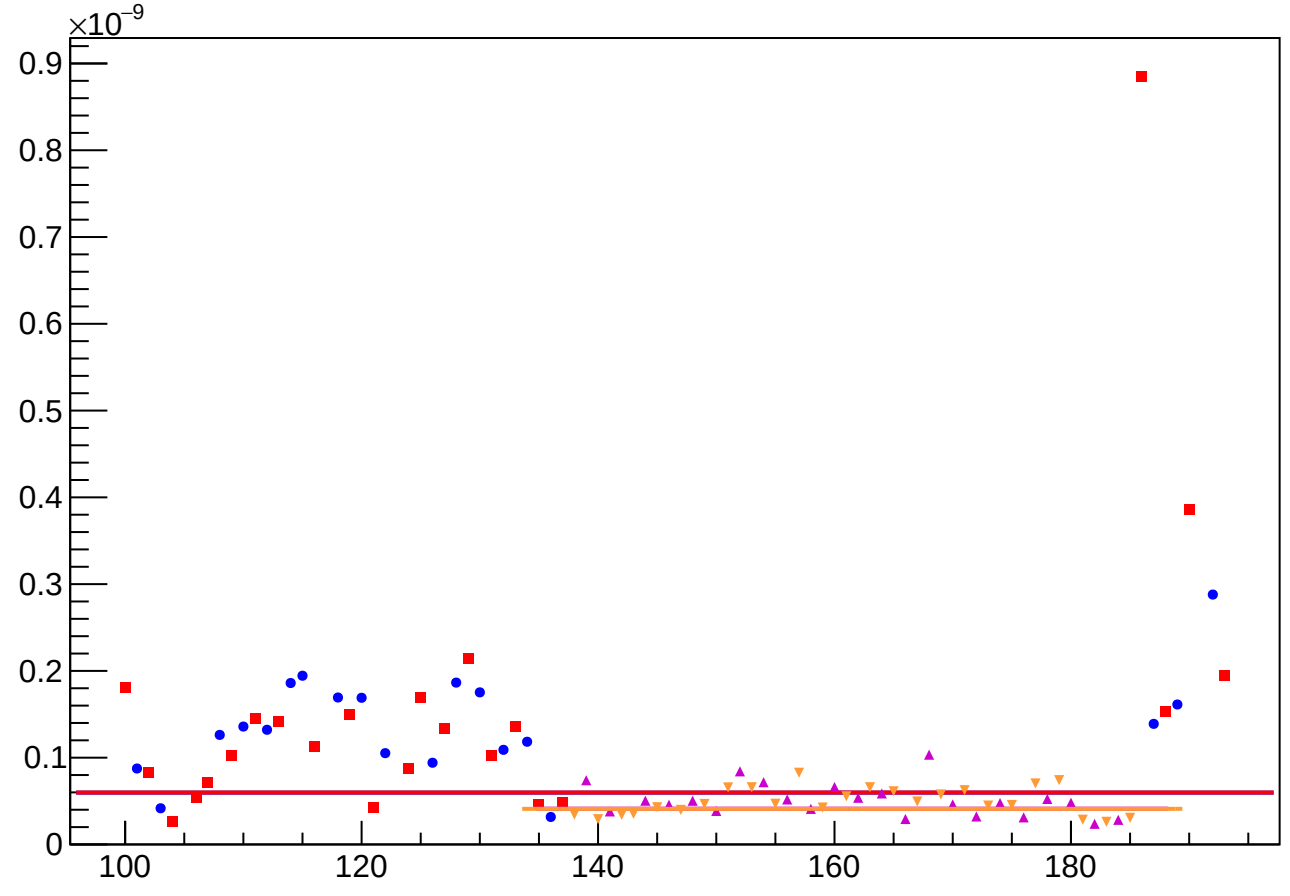
Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/22

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: 106.7/89

- sign -0.000+/-0.000 χ^2/NDF: 55.8/45



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: 4290099.5/22

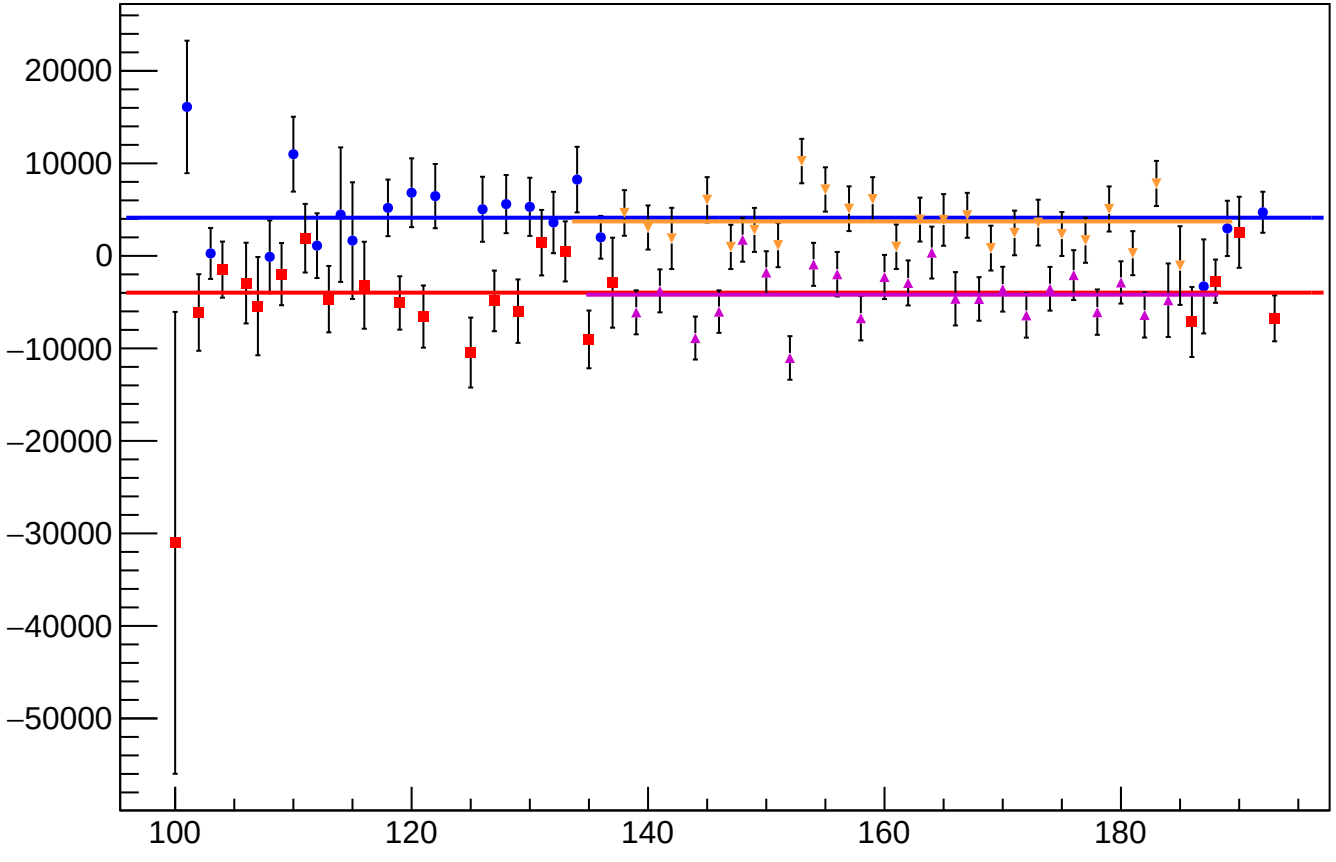
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7329039.1/43

All: 0.000+/-0.000 χ^2/NDF: 15080194.3/89

- sign 0.000+/-0.000 χ^2/NDF: 7750475.3/45

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: -3973.993+/-745.359 χ^2/NDF: 21.3/21

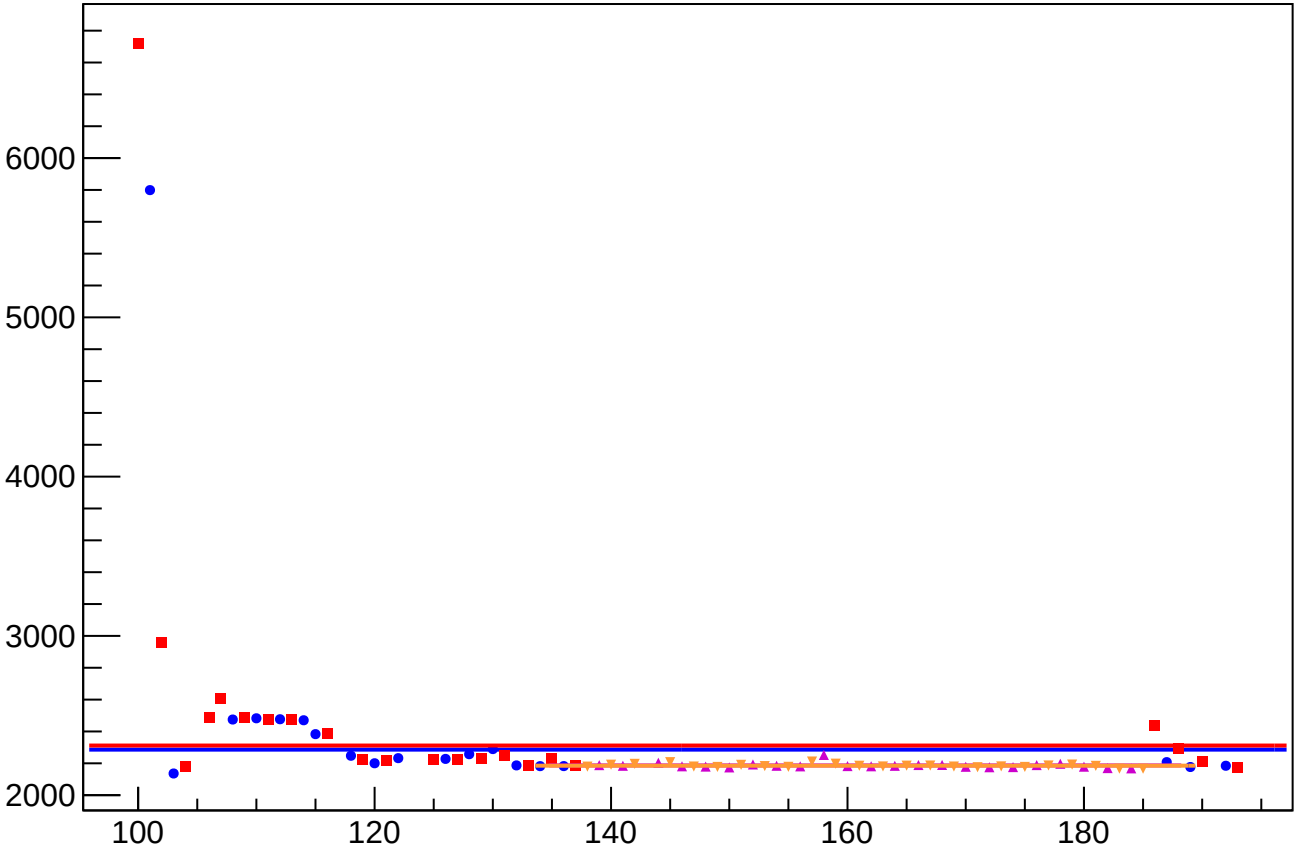
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3844.068+/-424.558 χ^2/NDF: 41.4/42

All: -171.878+/-299.023 χ^2/NDF: 272.4/87

- sign -4125.057+/-421.227 χ^2/NDF: 53.4/44

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

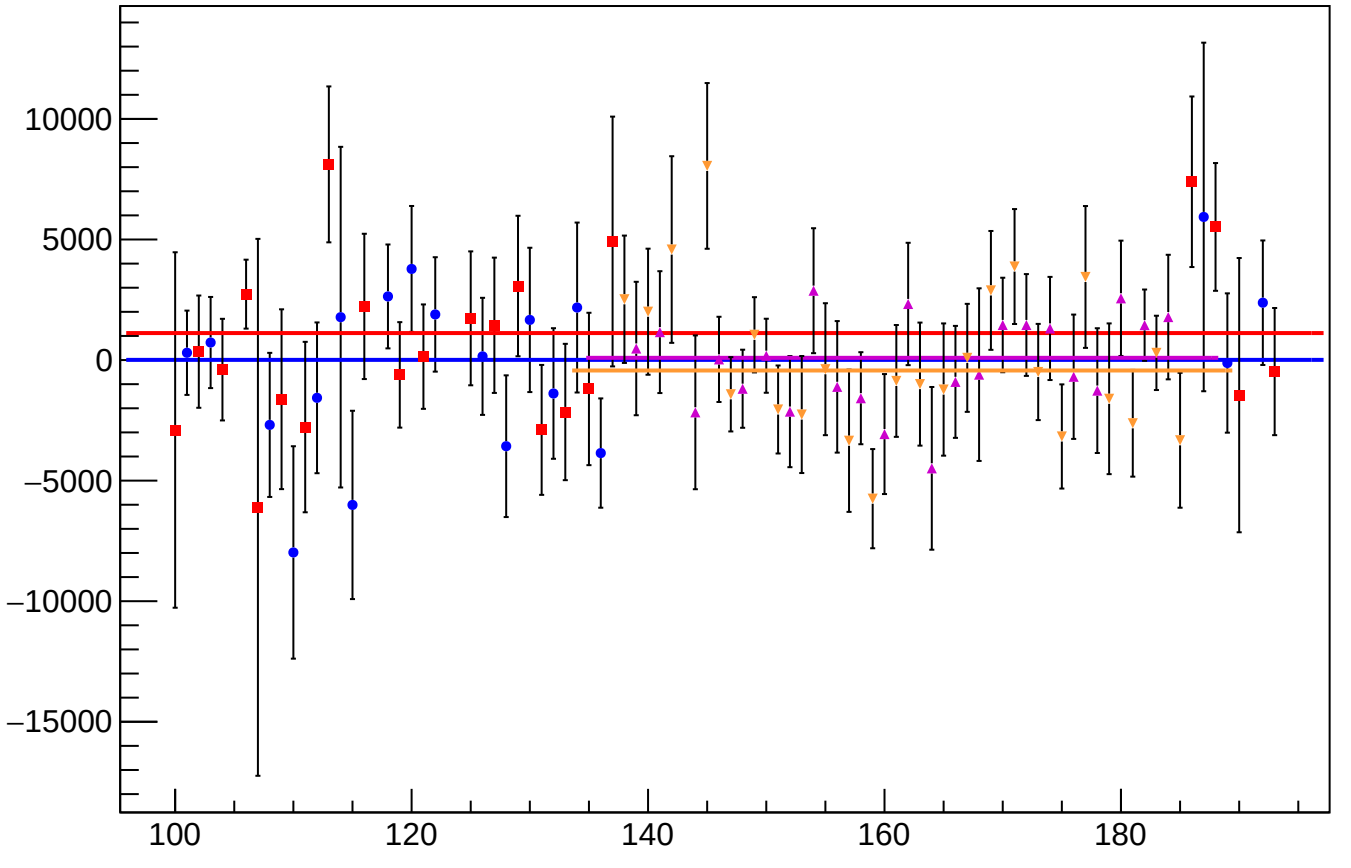
Right Out: 2311.605+/-0.527 χ^2/NDF: 162062.6/21

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.294+/-0.300 χ^2/NDF: 546119.0/42

All: 2221.003+/-0.211 χ^2/NDF: 749162.4/87

- sign 2226.623+/-0.298 χ^2/NDF: 202325.7/44



Right In: 7.851+/-620.615 χ^2/NDF: 18.0/18

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

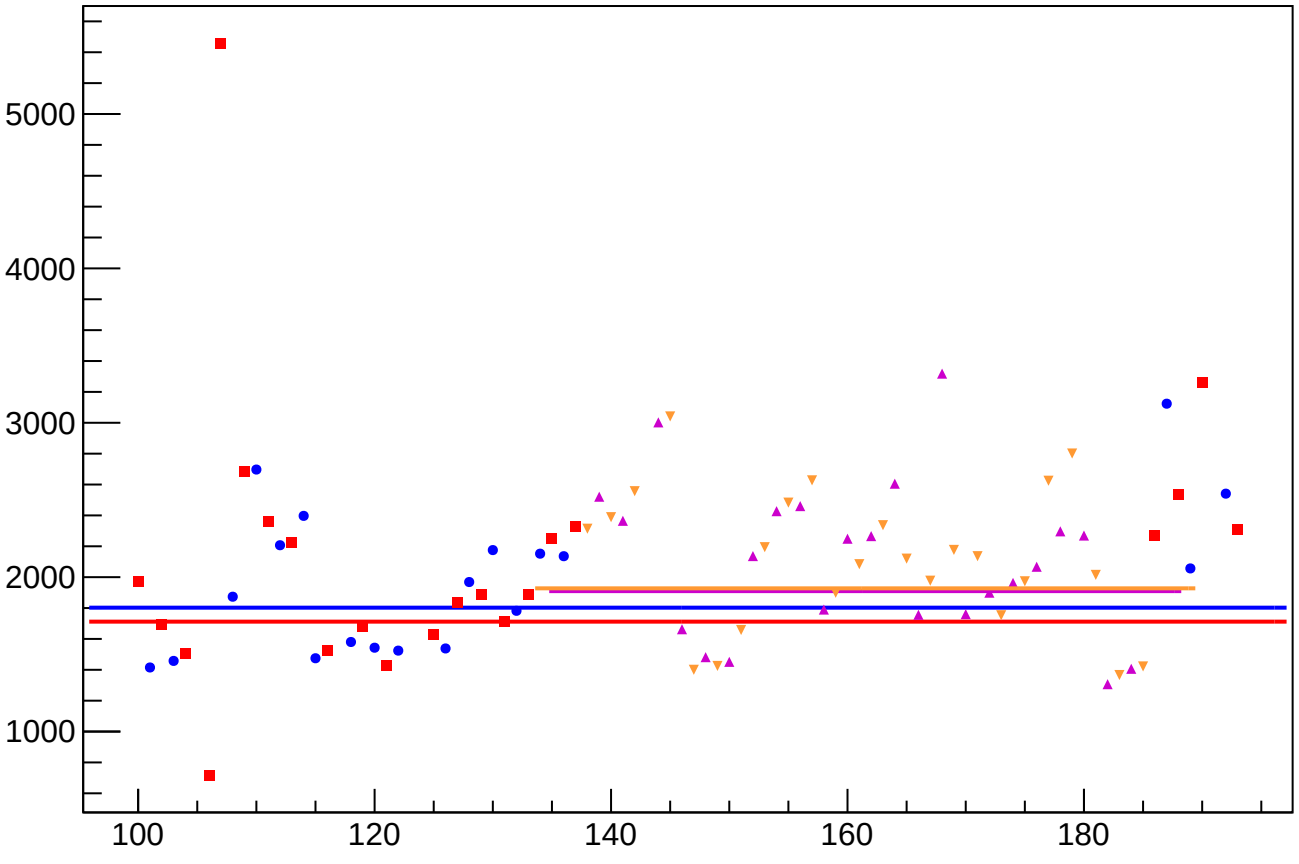
Right Out: 1119.611+/-589.464 χ^2/NDF: 21.7/21

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

\+ sign -275.180+/-370.787 χ^2/NDF: 49.6/42

All: 111.494+/-259.380 χ^2/NDF: 88.1/87

\- sign 482.043+/-362.973 χ^2/NDF: 36.3/44



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: 1711.932+/-0.417 χ^2/NDF: 2119893.5/21

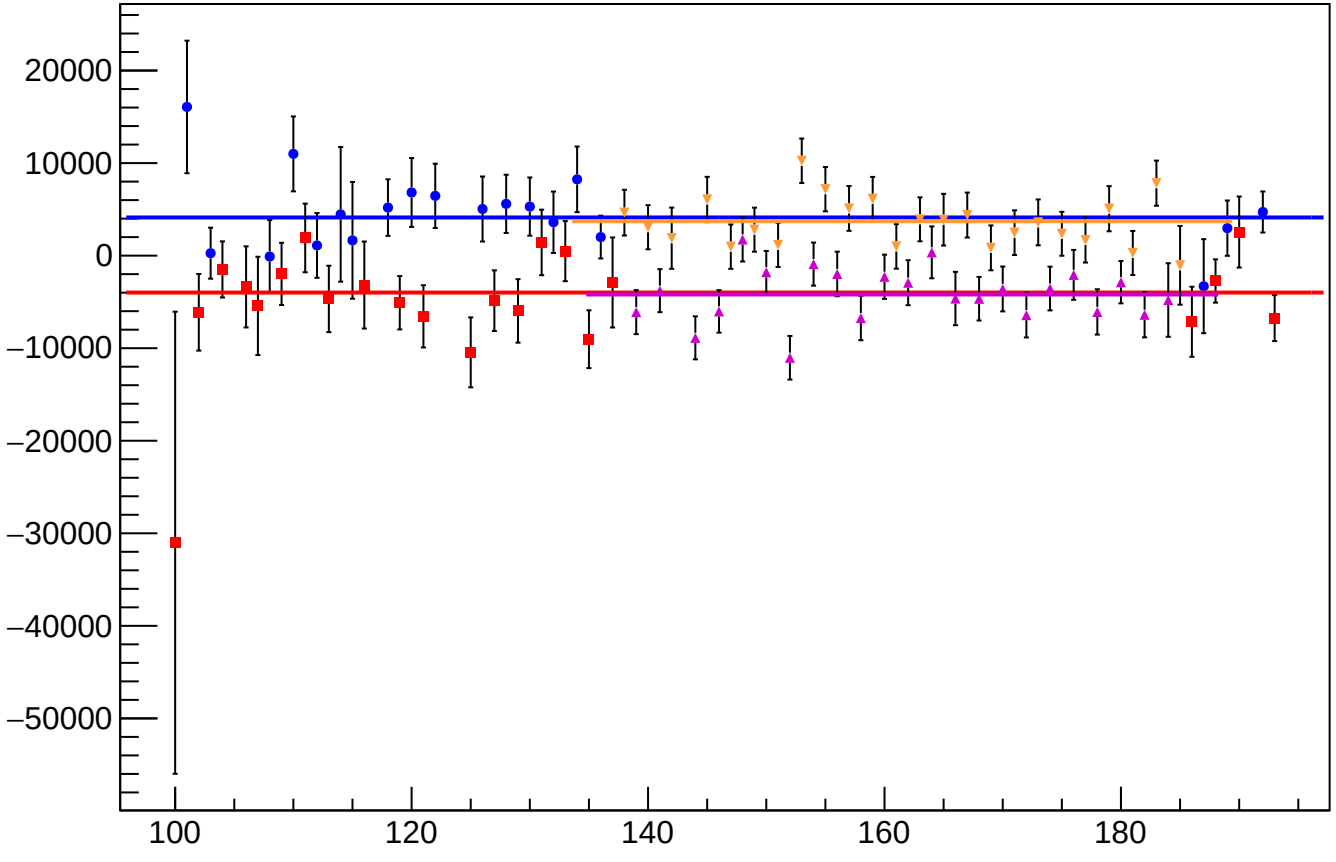
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1882.971+/-0.262 χ^2/NDF: 2599616.8/42

All: 1858.300+/-0.183 χ^2/NDF: 6818756.3/87

- sign 1834.658+/-0.257 χ^2/NDF: 4201800.3/44

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



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: -3987.269+/-745.454 χ^2/NDF: 21.2/21

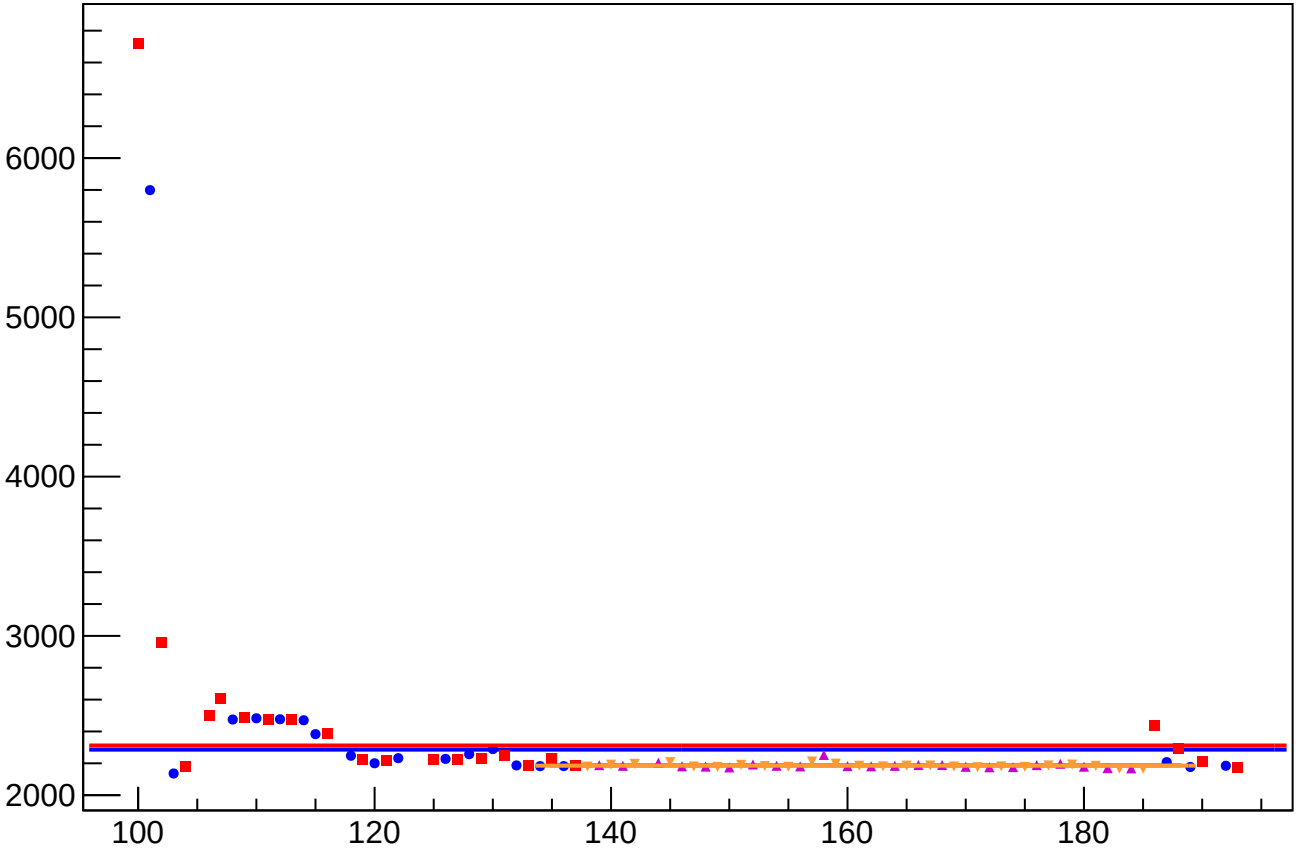
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3843.880+/-424.558 χ^2/NDF: 41.4/42

All: -173.994+/-299.029 χ^2/NDF: 272.5/87

- sign -4129.389+/-421.244 χ^2/NDF: 53.4/44

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

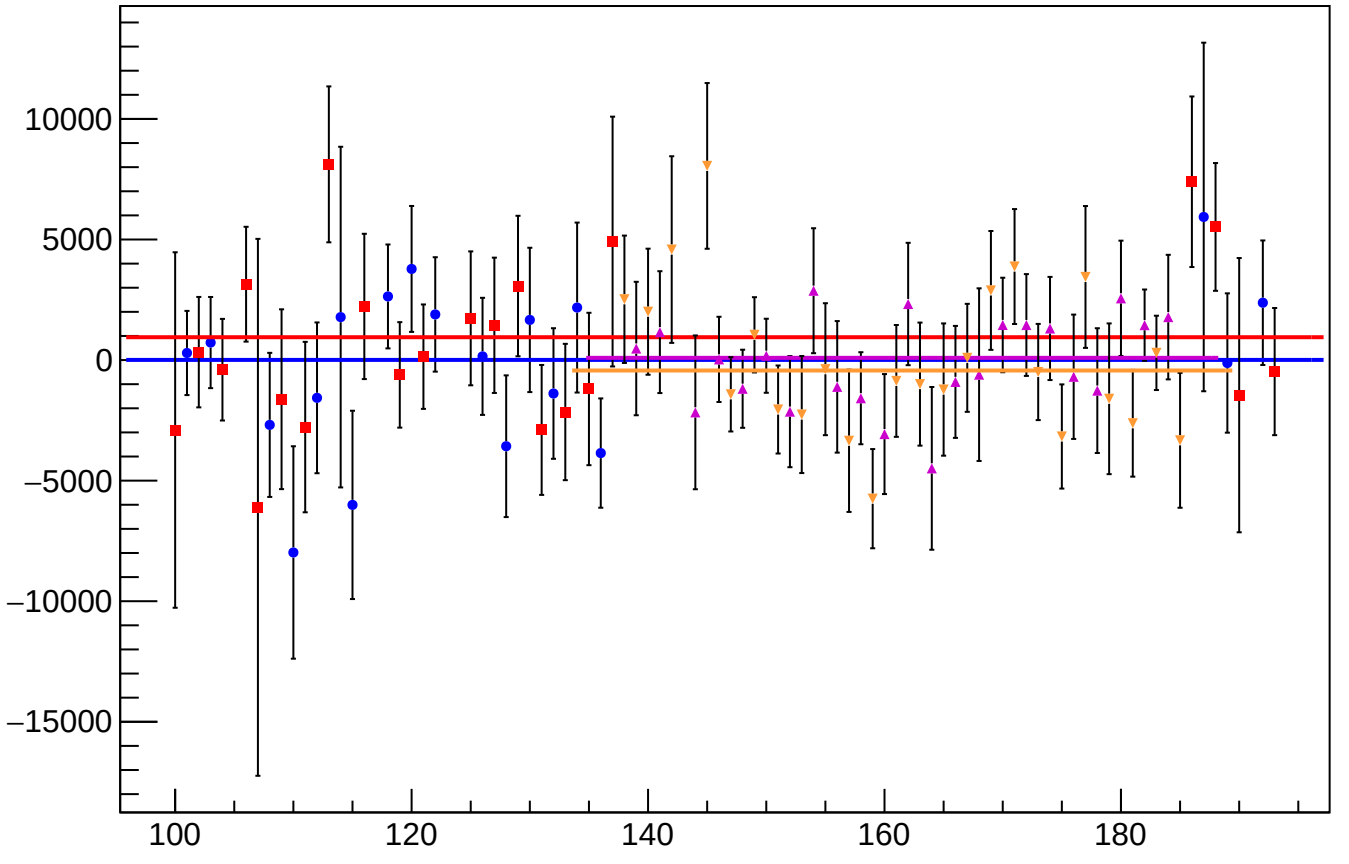
Right Out: 2311.871+/-0.527 χ^2/NDF: 162444.6/21

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.294+/-0.300 χ^2/NDF: 546119.4/42

All: 2221.042+/-0.211 χ^2/NDF: 749710.8/87

- sign 2226.701+/-0.298 χ^2/NDF: 202863.9/44



Right In: 6.825+/-620.507 χ^2/NDF: 18.0/18

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

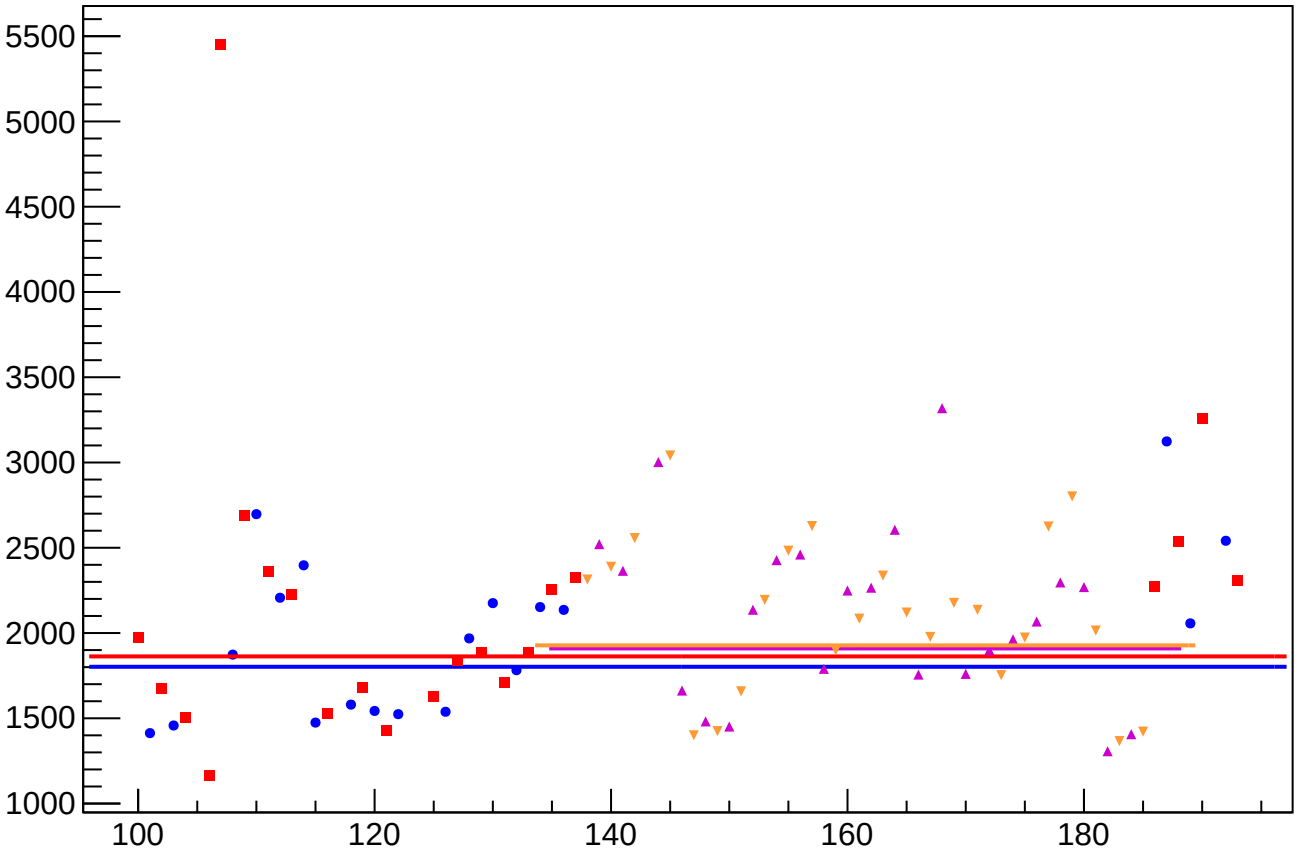
Right Out: 947.843+/-623.636 χ^2/NDF: 21.0/21

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -275.533+/-370.764 χ^2/NDF: 49.6/42

All: 59.699+/-262.090 χ^2/NDF: 86.3/87

- sign 394.525+/-370.539 χ^2/NDF: 35.0/44



Right In: 1802.090+/-0.439 χ^2/NDF: 750129.1/18

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

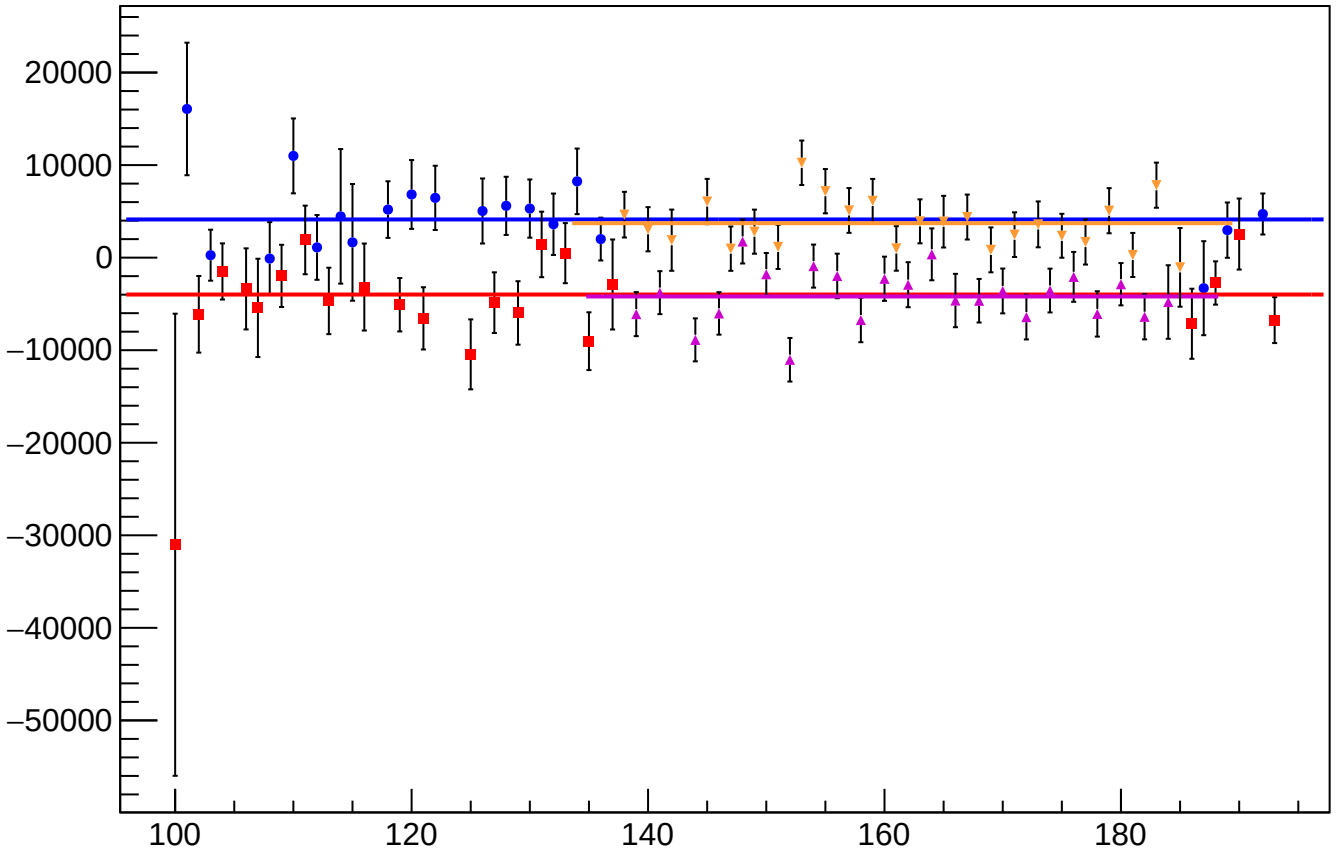
Right Out: 1862.865+/-0.441 χ^2/NDF: 1135045.7/21

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1882.827+/-0.262 χ^2/NDF: 2601198.2/42

All: 1887.973+/-0.185 χ^2/NDF: 5686573.1/87

- sign 1893.113+/-0.262 χ^2/NDF: 3084604.8/44



Right In: 4125.992+/-776.165 χ^2/NDF: 15.8/18

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

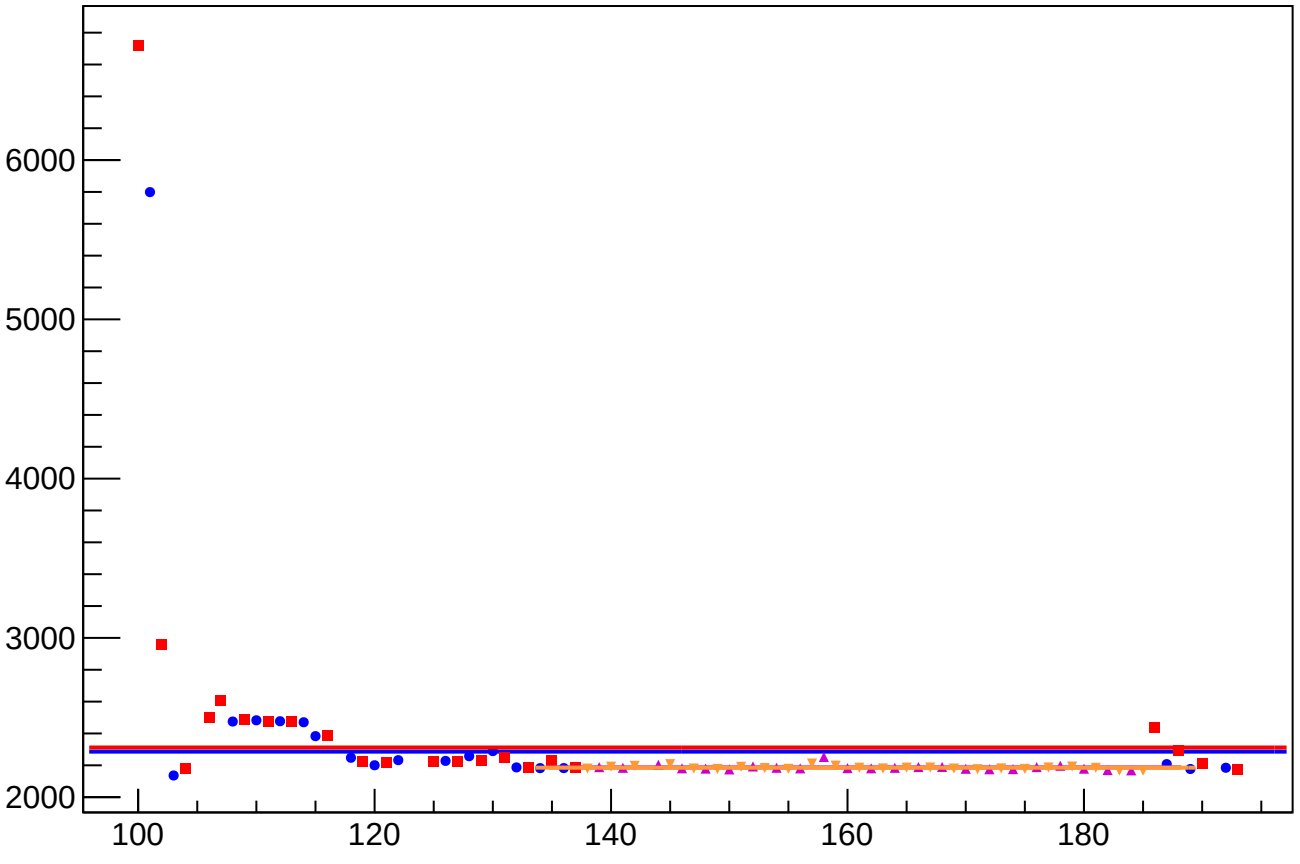
Right Out: -3987.269+/-745.454 χ^2/NDF: 21.2/21

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3843.880+/-424.558 χ^2/NDF: 41.4/42

All: -173.994+/-299.029 χ^2/NDF: 272.5/87

- sign -4129.389+/-421.244 χ^2/NDF: 53.4/44



Right In: 2285.937+/-0.549 χ^2/NDF: 521662.9/18

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

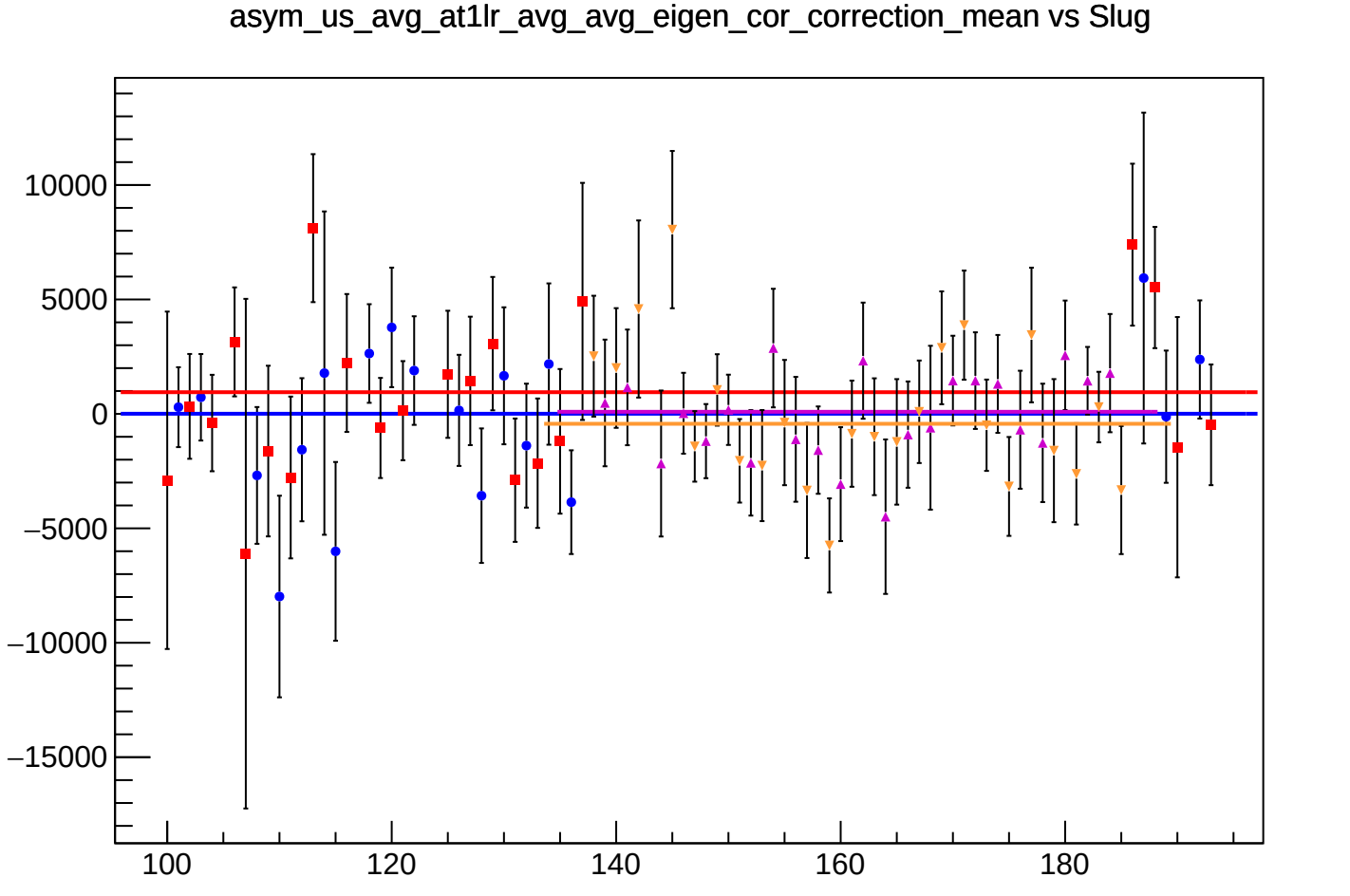
Right Out: 2311.871+/-0.527 χ^2/NDF: 162444.6/21

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.294+/-0.300 χ^2/NDF: 546119.4/42

All: 2221.042+/-0.211 χ^2/NDF: 749710.8/87

- sign 2226.701+/-0.298 χ^2/NDF: 202863.9/44



Right In: 6.825+/-620.507 χ^2/NDF: 18.0/18

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

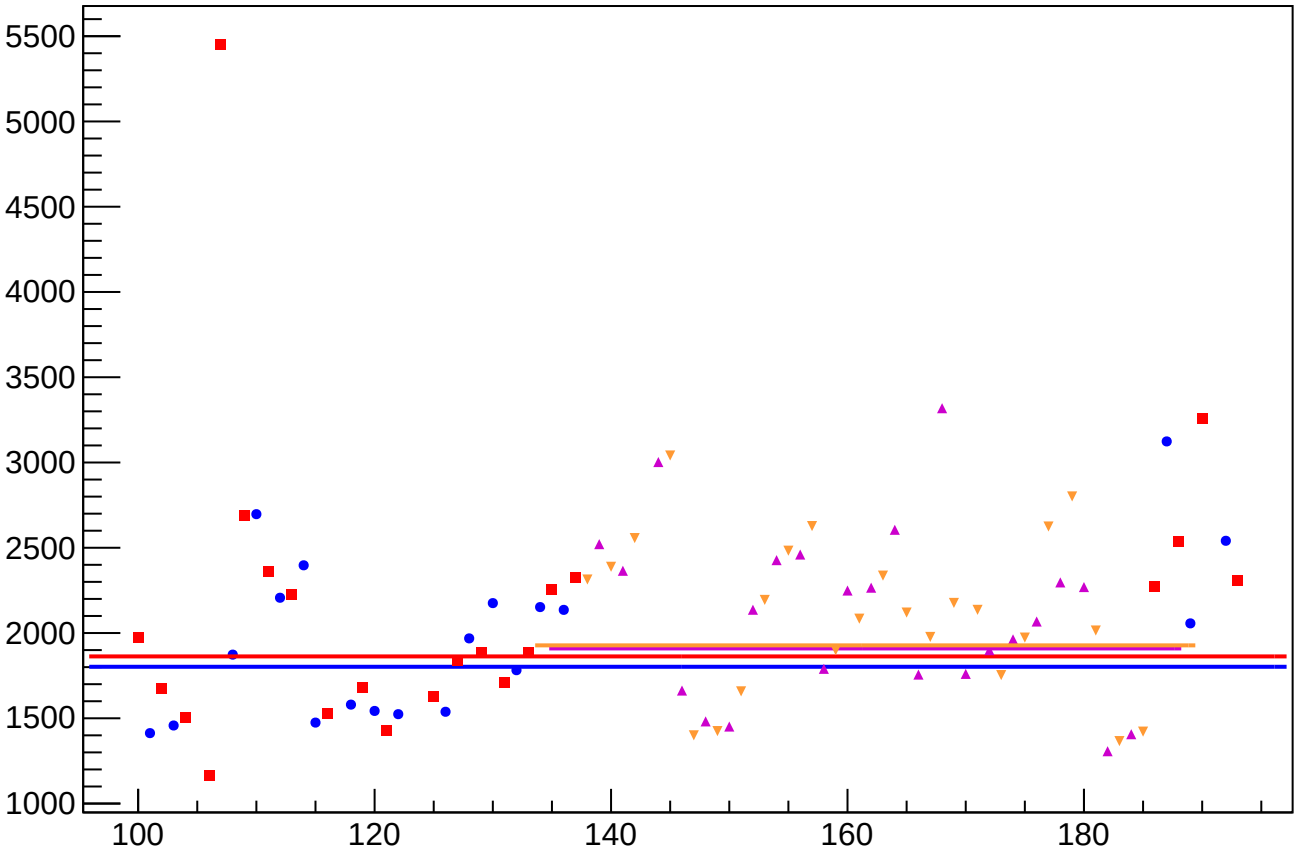
Right Out: 947.843+/-623.636 χ^2/NDF: 21.0/21

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -275.533+/-370.764 χ^2/NDF: 49.6/42

All: 59.699+/-262.090 χ^2/NDF: 86.3/87

- sign 394.525+/-370.539 χ^2/NDF: 35.0/44



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: 1862.865+/-0.441 χ^2/NDF: 1135045.7/21

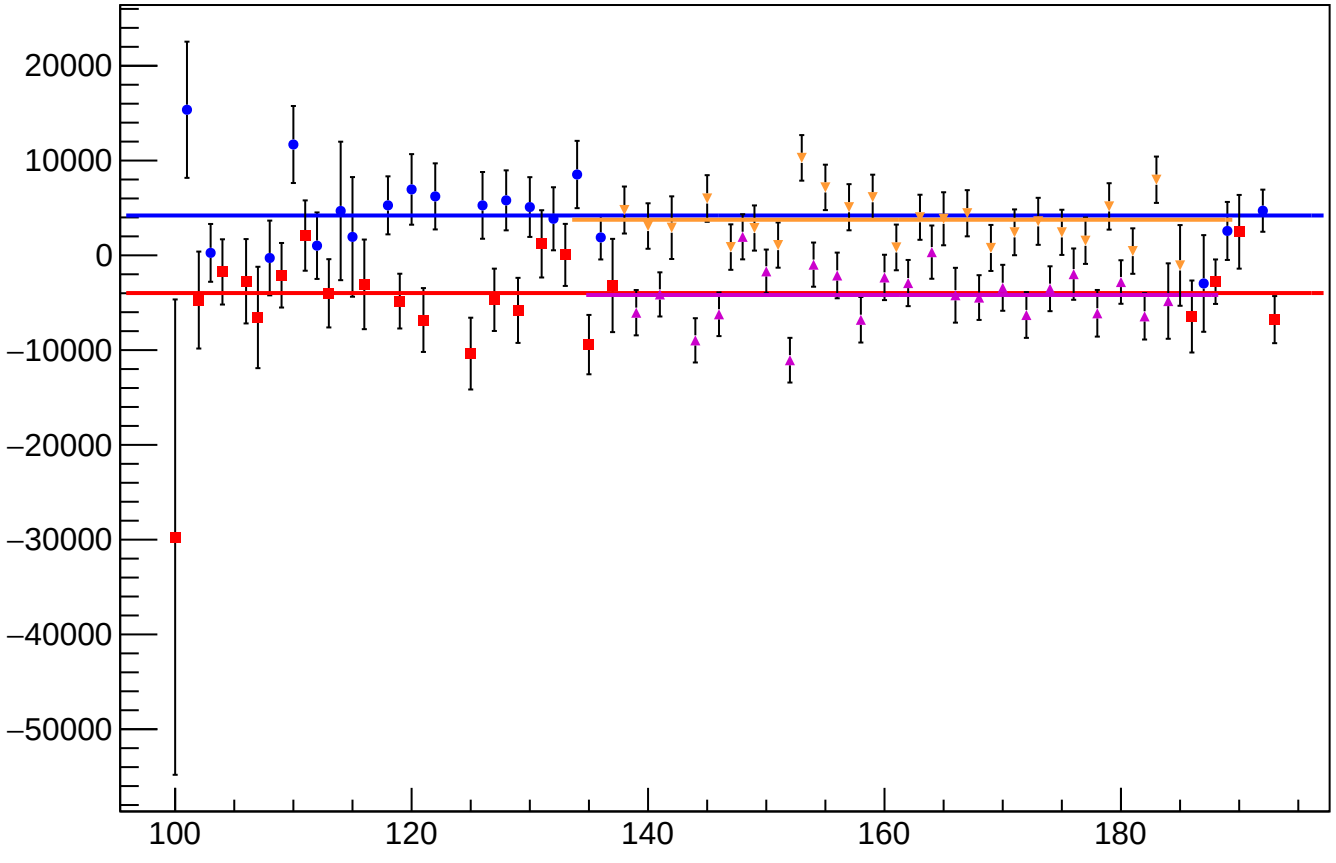
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1882.827+/-0.262 χ^2/NDF: 2601198.2/42

All: 1887.973+/-0.185 χ^2/NDF: 5686573.1/87

- sign 1893.113+/-0.262 χ^2/NDF: 3084604.8/44

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: -3980.347+/-758.078 χ^2/NDF: 20.2/21

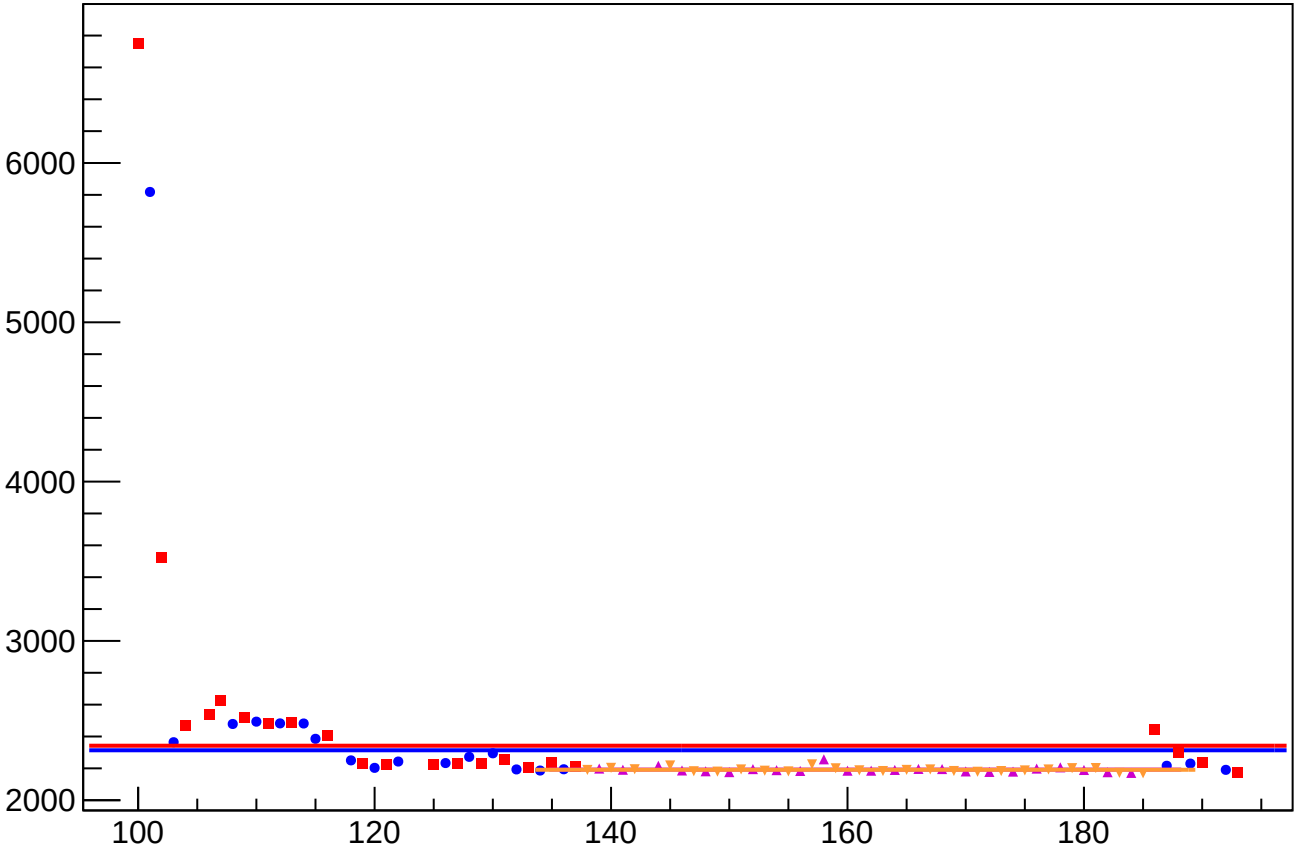
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3886.876+/-426.887 χ^2/NDF: 41.9/42

All: -141.877+/-300.906 χ^2/NDF: 271.8/87

- sign -4120.374+/-424.216 χ^2/NDF: 52.9/44

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

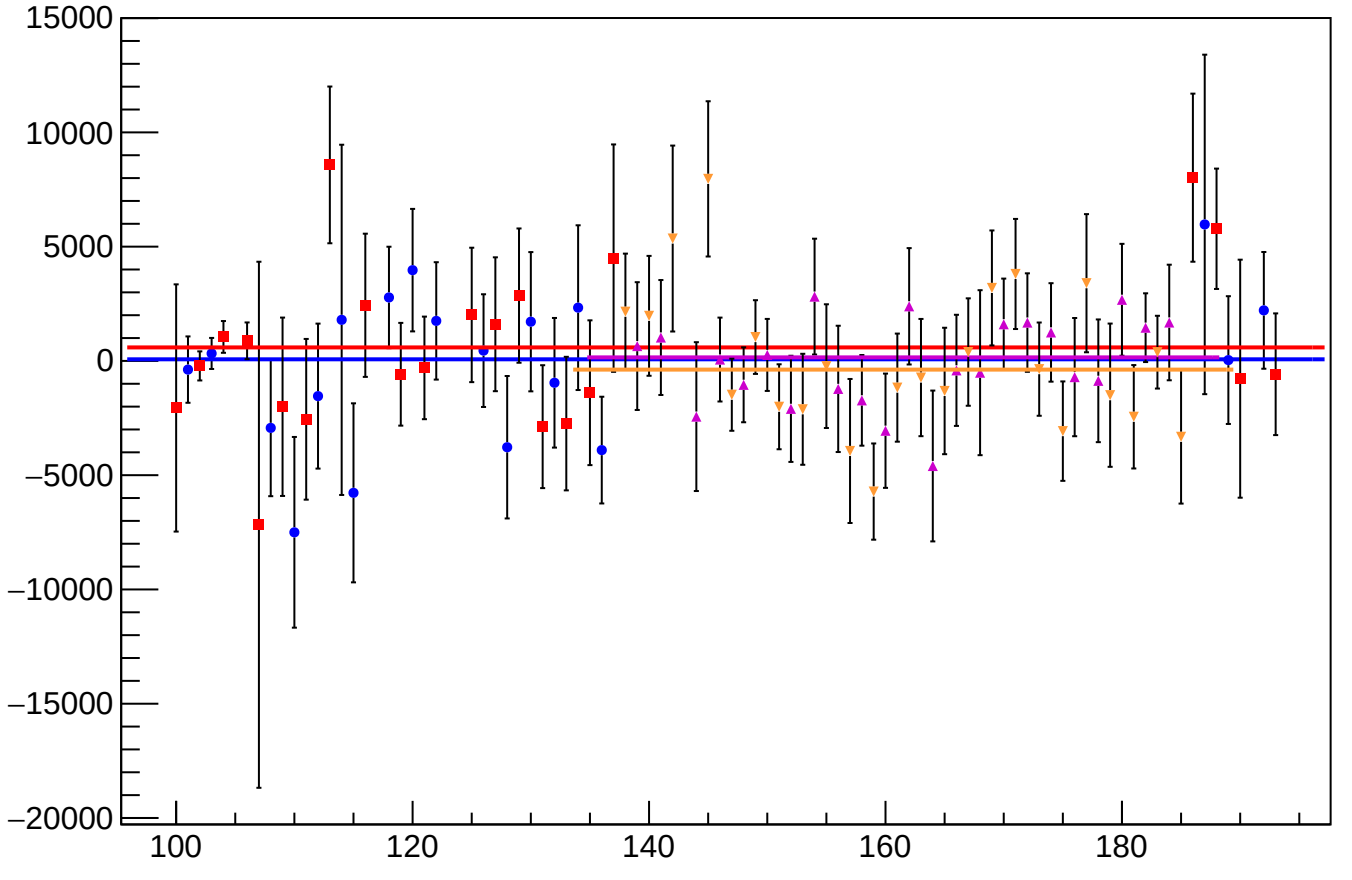
Right Out: 2342.161+/-0.536 χ^2/NDF: 224449.2/21

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2227.283+/-0.302 χ^2/NDF: 548804.7/42

All: 2233.259+/-0.213 χ^2/NDF: 830069.9/87

- sign 2239.160+/-0.300 χ^2/NDF: 280486.2/44



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: 590.477+/-353.484 χ^2/NDF: 23.5/21

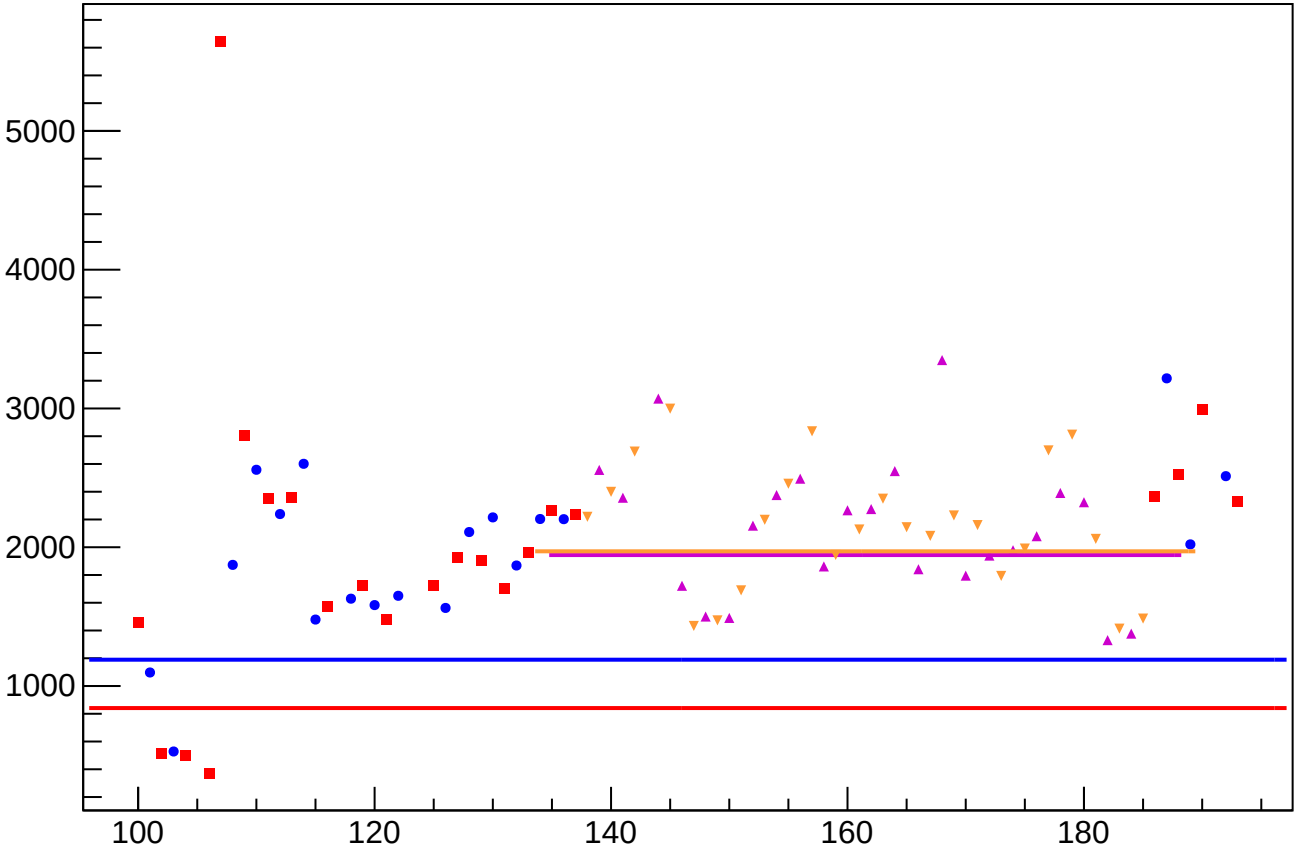
Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

\+ sign -154.020+/-332.532 χ^2/NDF: 48.9/42

All: 186.849+/-215.104 χ^2/NDF: 87.6/87

\- sign 432.109+/-282.067 χ^2/NDF: 36.8/44

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 1189.610+/-0.332 χ^2/NDF: 4665029.5/18

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

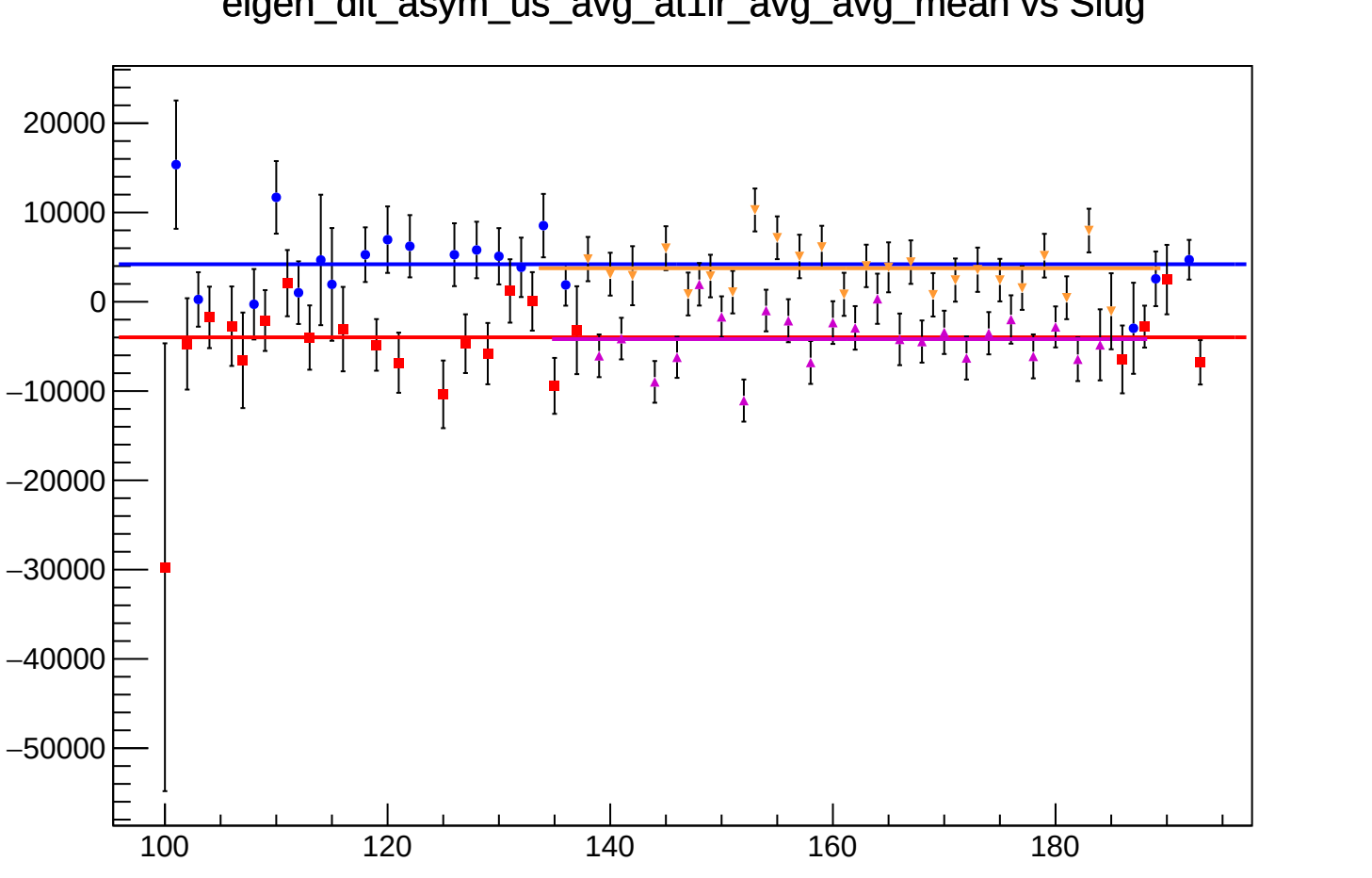
Right Out: 841.082+/-0.250 χ^2/NDF: 7834519.7/21

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1578.130+/-0.235 χ^2/NDF: 9120015.4/42

All: 1382.412+/-0.152 χ^2/NDF: 27096810.4/8

- sign 1241.590+/-0.199 χ^2/NDF: 16785459.7/44



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: -3980.342+/-758.077 χ^2/NDF: 20.2/21

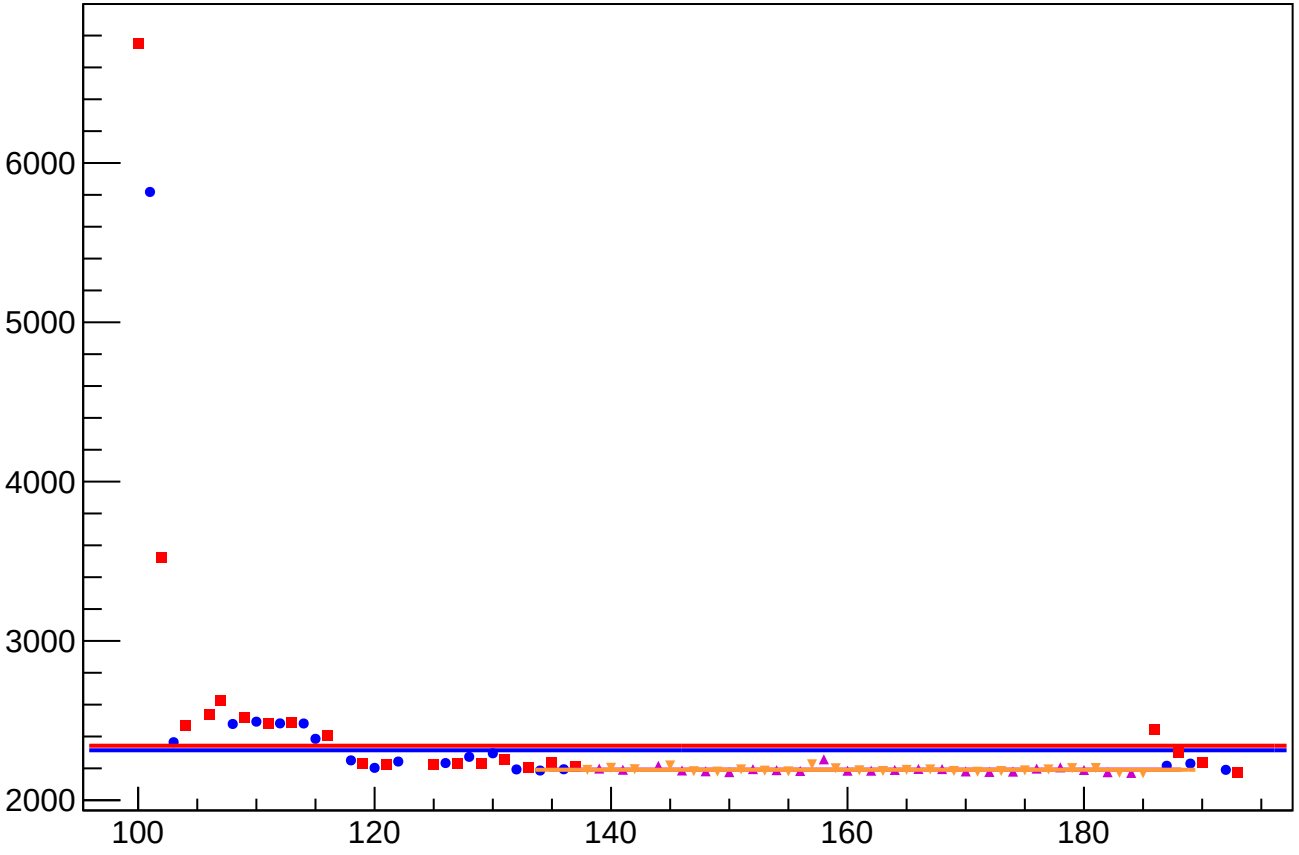
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3886.874+/-426.886 χ^2/NDF: 41.9/42

All: -141.877+/-300.906 χ^2/NDF: 271.8/87

- sign -4120.373+/-424.216 χ^2/NDF: 52.9/44

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

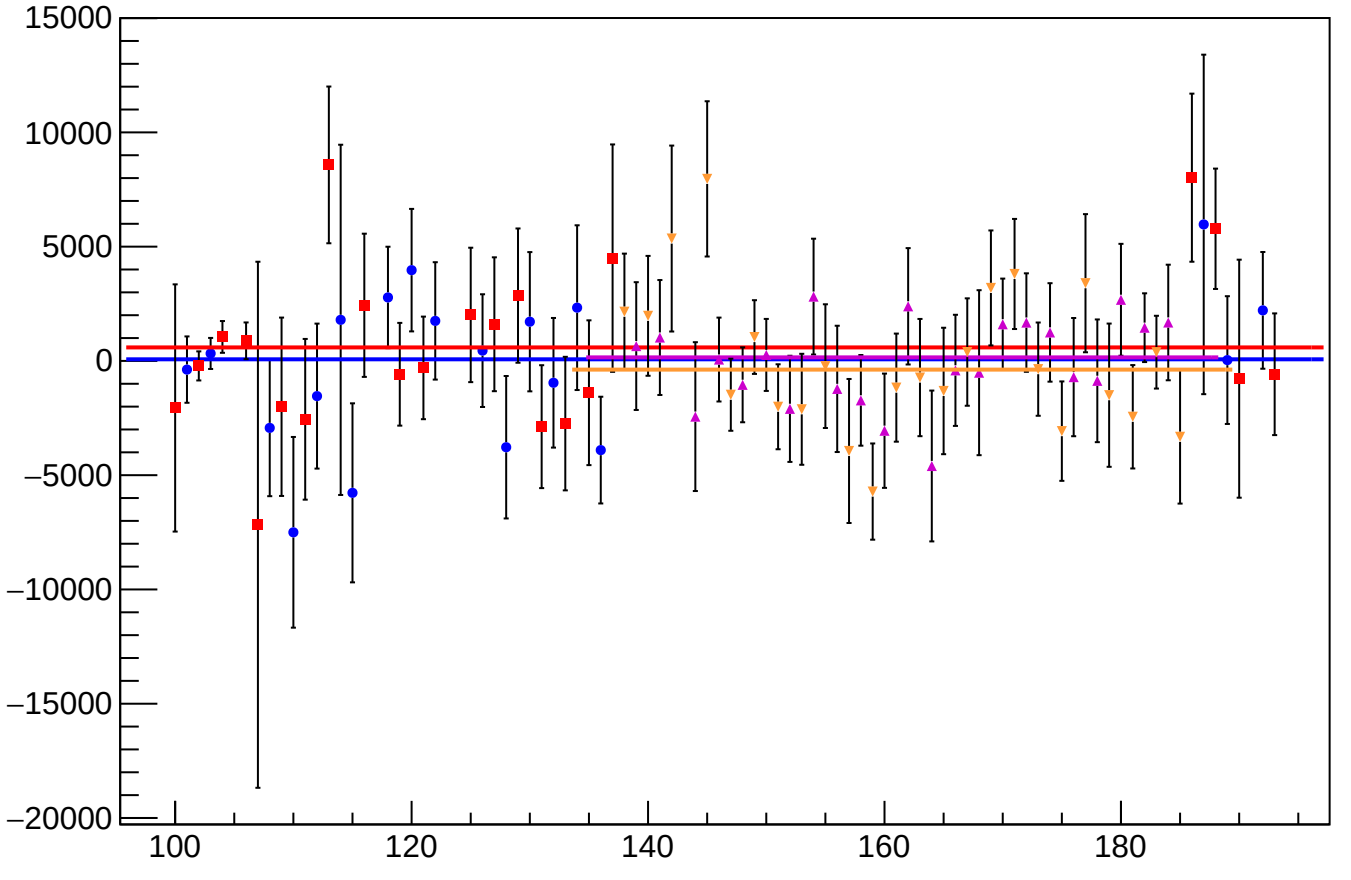
Right Out: 2342.161+/-0.536 χ^2/NDF: 224448.0/21

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2227.283+/-0.302 χ^2/NDF: 548804.4/42

All: 2233.259+/-0.213 χ^2/NDF: 830068.2/87

- sign 2239.160+/-0.300 χ^2/NDF: 280484.8/44



Right In: 70.133+/-469.072 χ^2/NDF: 17.7/18

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

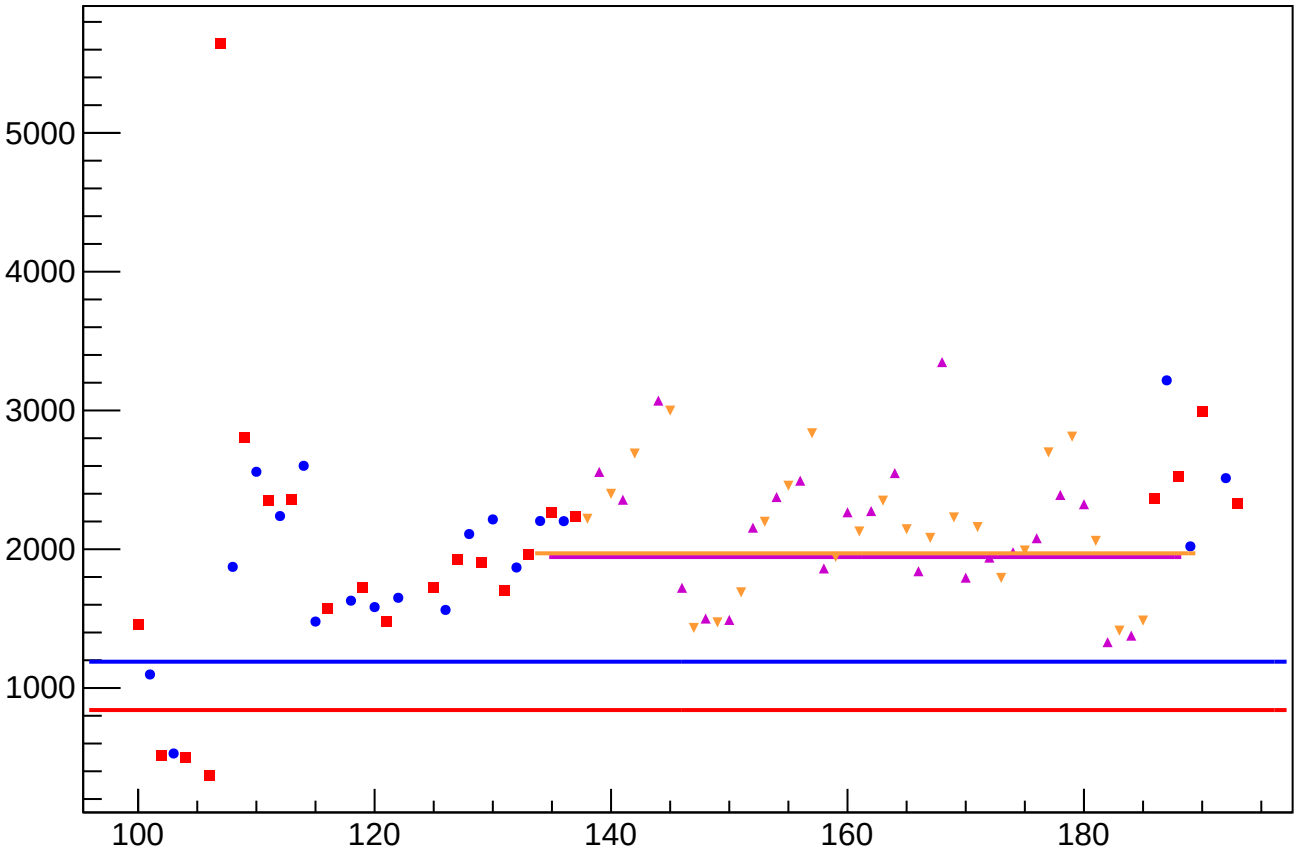
Right Out: 590.483+/-353.489 χ^2/NDF: 23.5/21

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -154.025+/-332.533 χ^2/NDF: 48.9/42

All: 186.847+/-215.106 χ^2/NDF: 87.6/87

- sign 432.111+/-282.069 χ^2/NDF: 36.8/44



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: 841.099+/-0.250 χ^2/NDF: 7834362.1/21

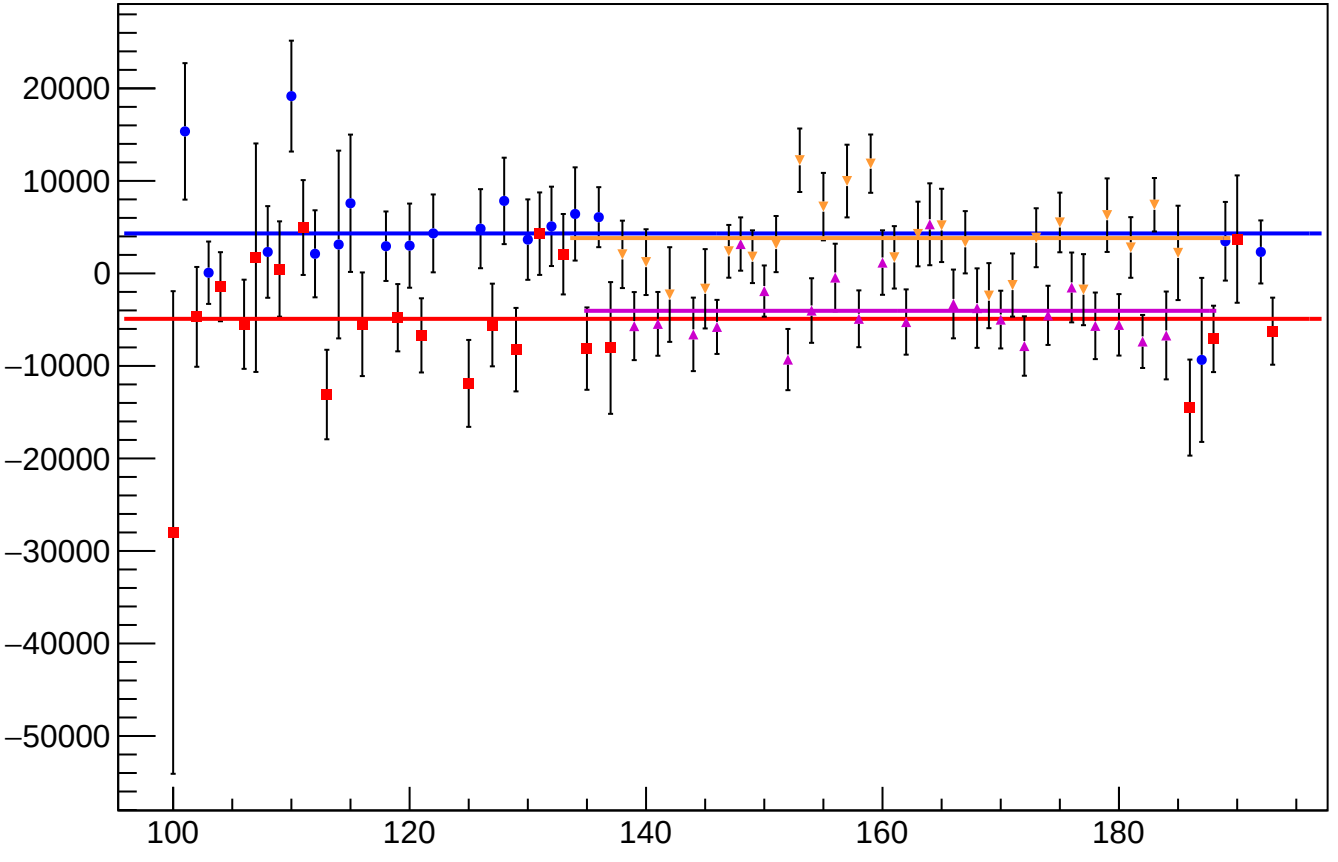
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1578.138+/-0.235 χ^2/NDF: 9119862.6/42

All: 1382.426+/-0.152 χ^2/NDF: 27096175.1/8

- sign 1241.607+/-0.199 χ^2/NDF: 16785055.1/44

asym_us_avg_at1lr_avg_avg_mean vs Slug



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: -4910.400+/-1012.537 χ^2/NDF: 25.6/21

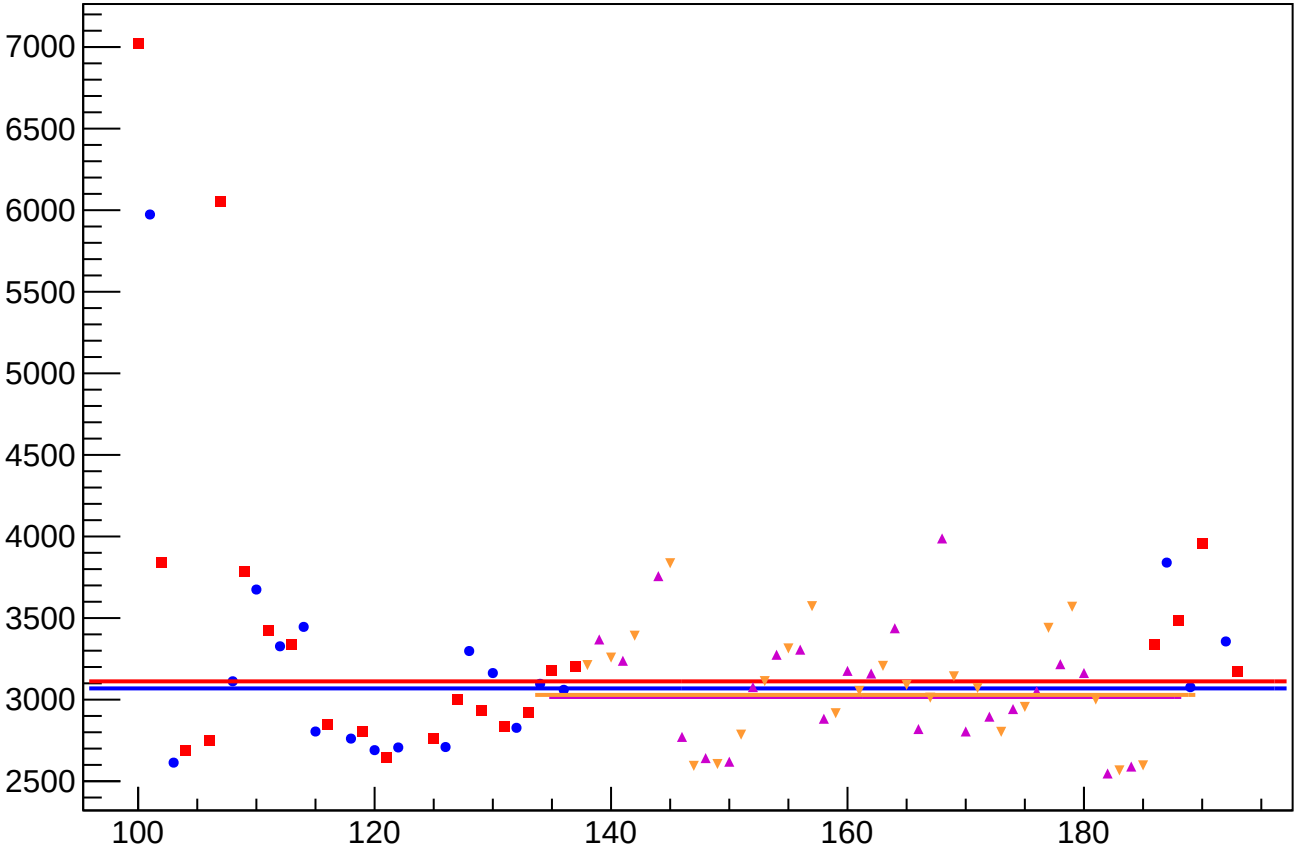
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 3976.697+/-585.867 χ^2/NDF: 45.7/42

All: -209.795+/-412.571 χ^2/NDF: 195.6/87

- sign -4328.295+/-581.090 χ^2/NDF: 48.6/44

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

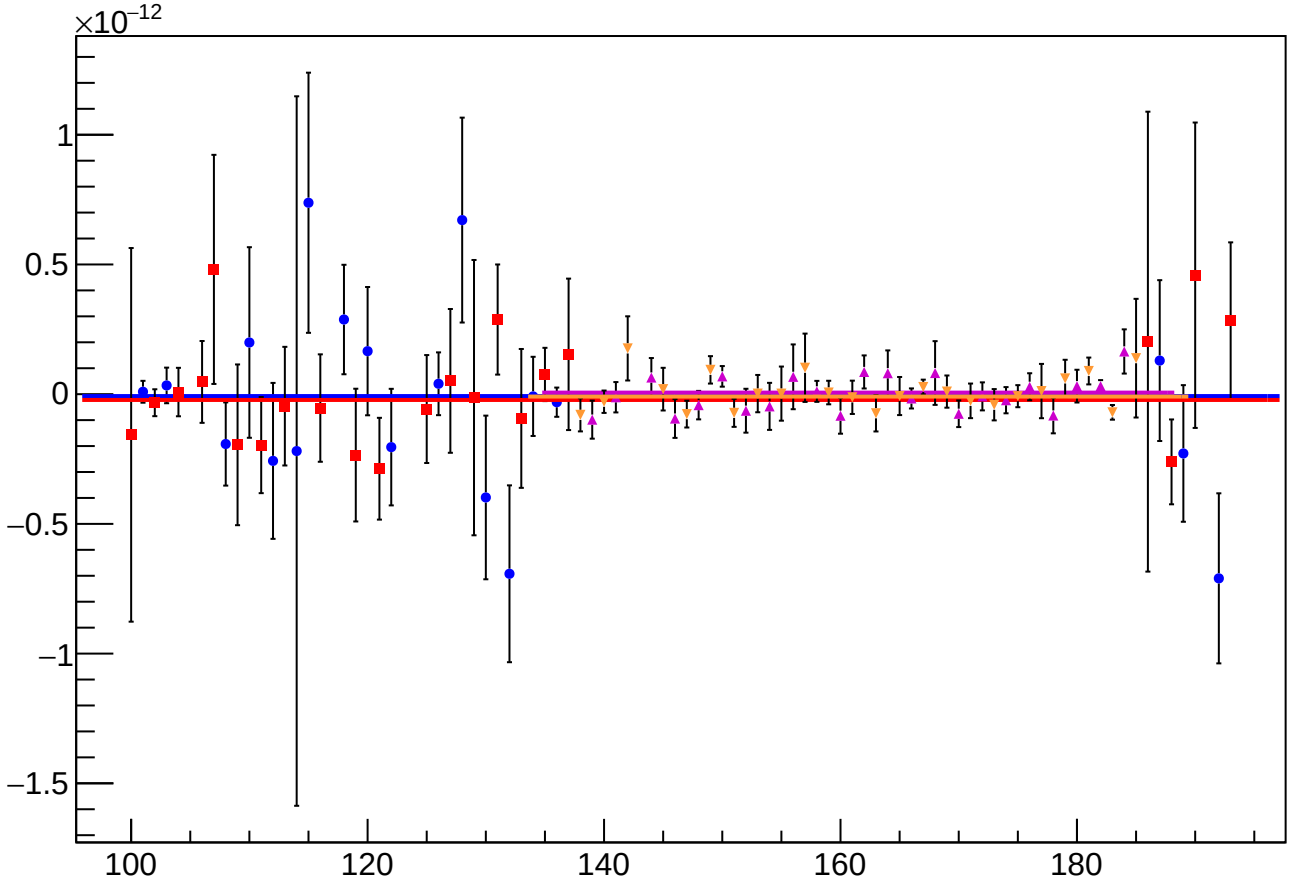
Right Out: 3111.997+/-0.716 χ^2/NDF: 407686.7/21

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3041.555+/-0.414 χ^2/NDF: 875427.1/42

All: 3044.696+/-0.292 χ^2/NDF: 1735118.9/87

- sign 3047.786+/-0.411 χ^2/NDF: 859577.8/44



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

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

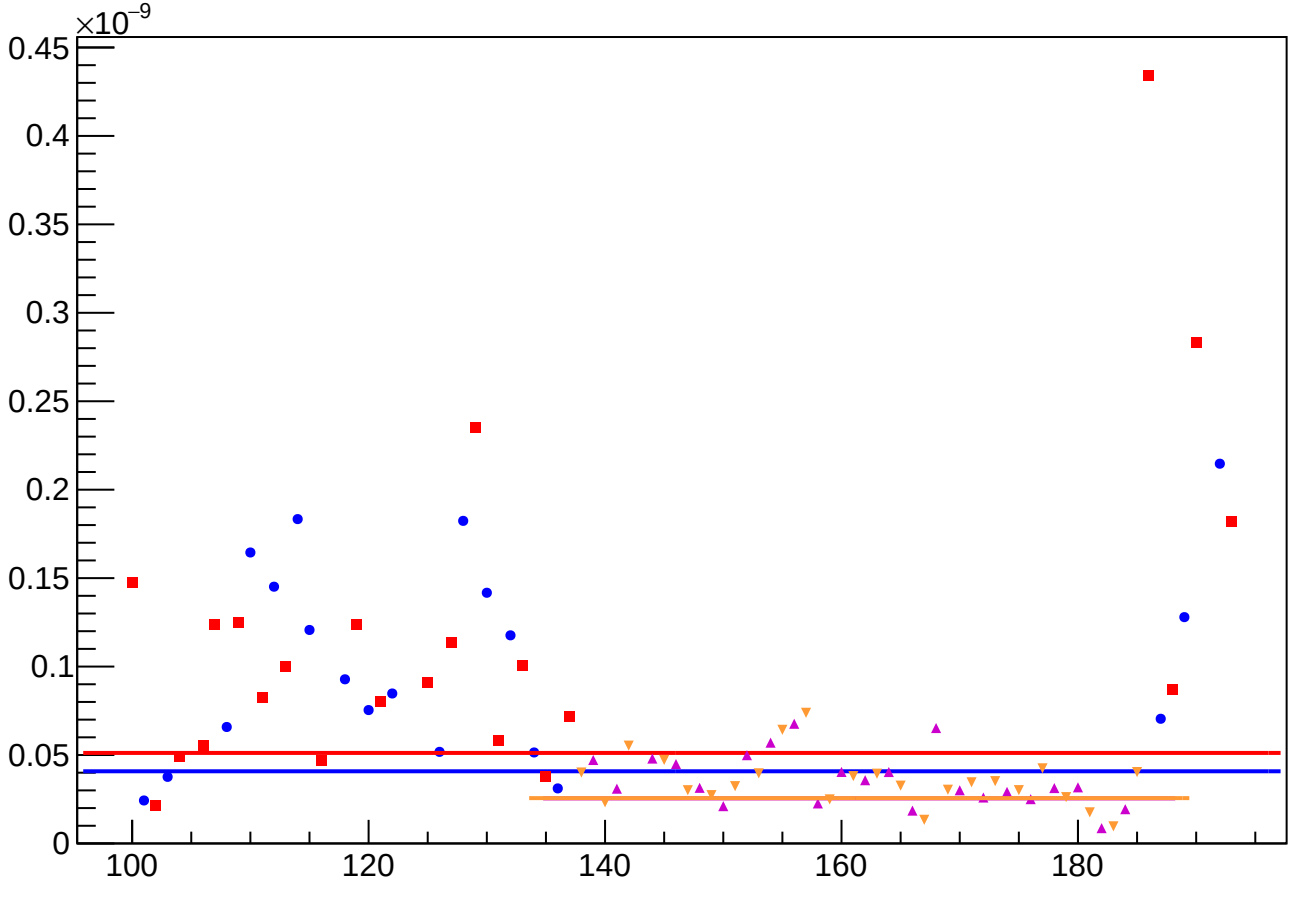
Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/21

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: 84.3/87

- sign 0.000+/-0.000 χ^2/NDF: 36.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 2586655.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

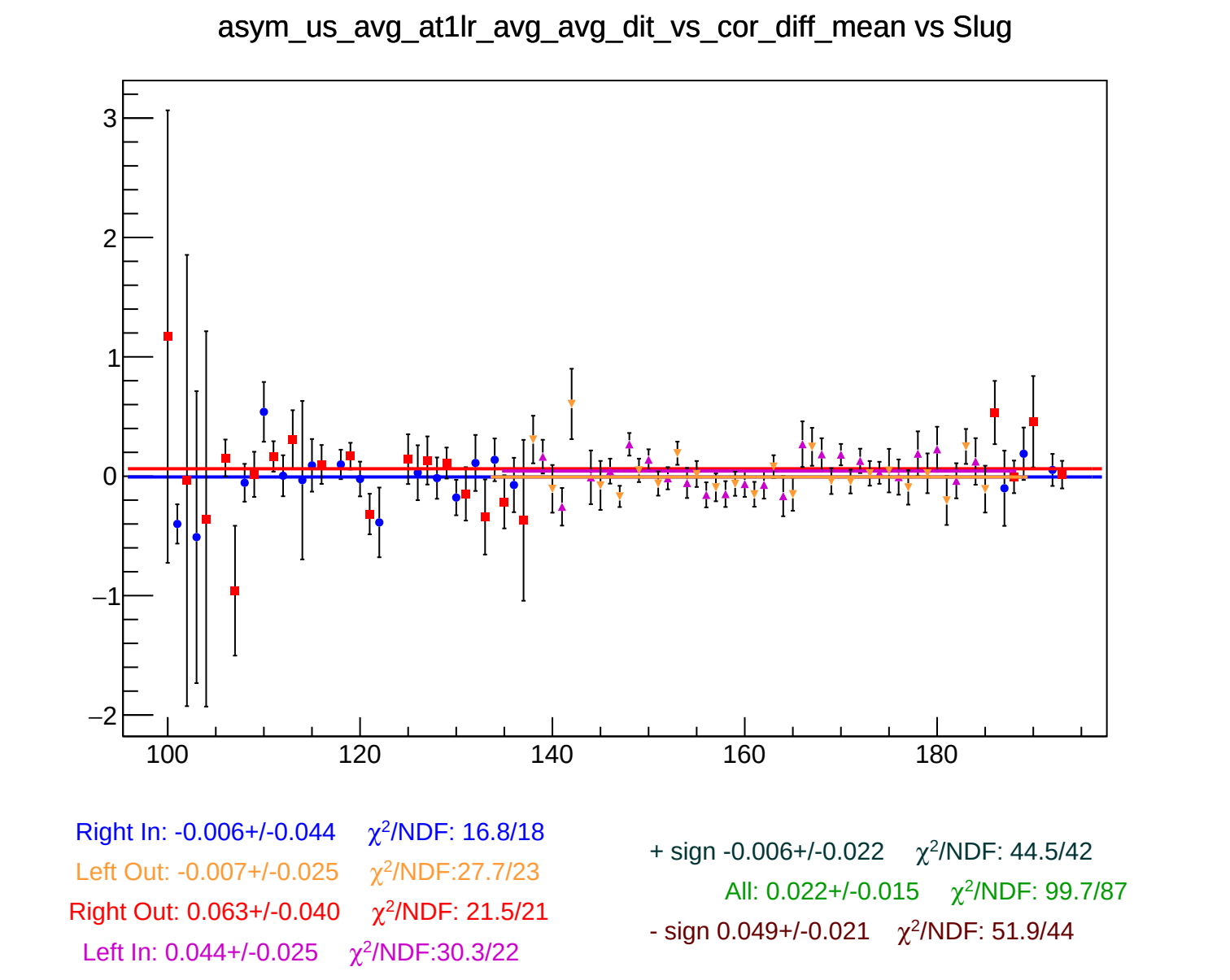
Right Out: 0.000+/-0.000 χ^2/NDF: 2888708.9/21

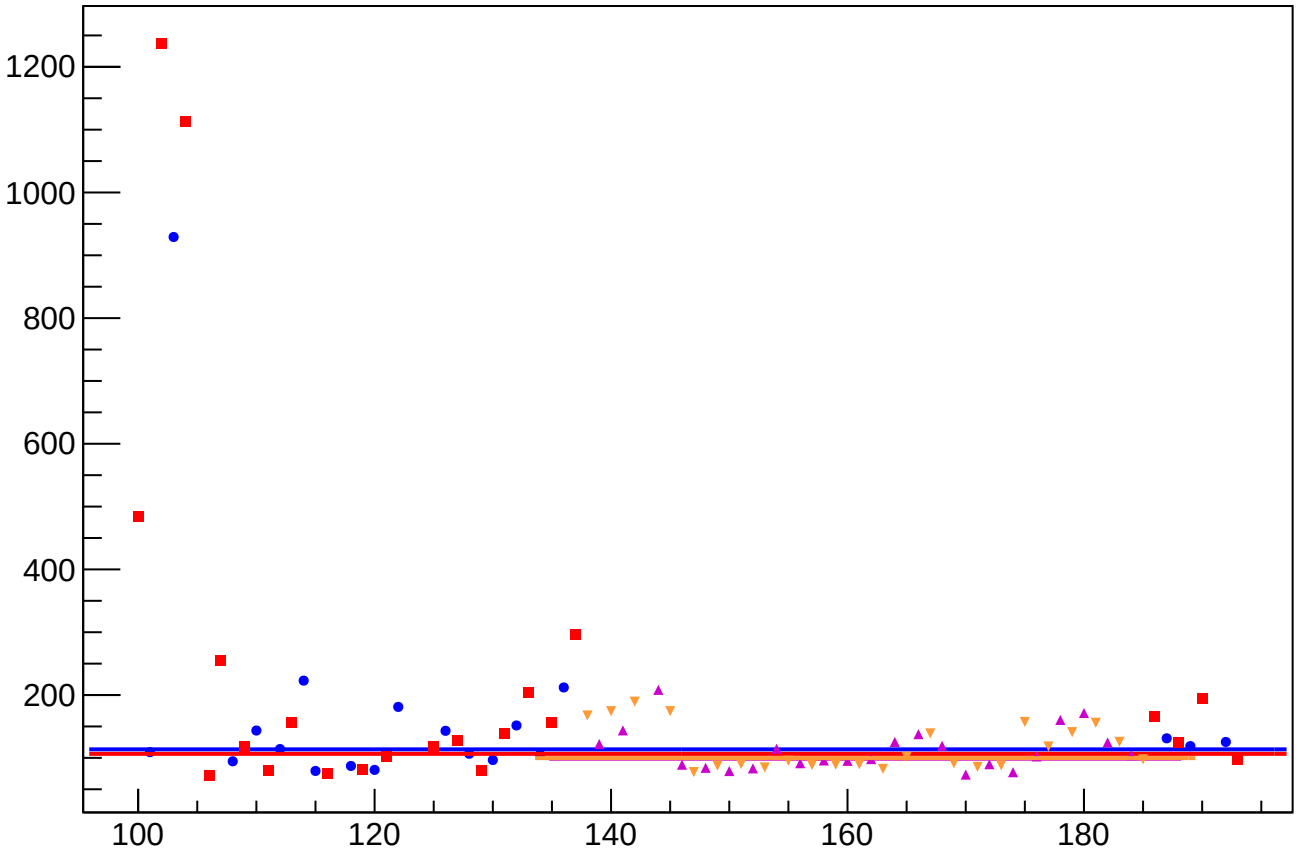
Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5569651.2/42

All: 0.000+/-0.000 χ^2/NDF: 12327985.0/87

- sign 0.000+/-0.000 χ^2/NDF: 6758014.8/44


asym_us_avg_at1lr_avg_avg_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: 0.063+/-0.040 χ²/NDF: 21.5/21
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: 99.7/87
- sign 0.049+/-0.021 χ²/NDF: 51.9/44



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: 106.374+/-0.029 χ^2/NDF: 3094323.3/21

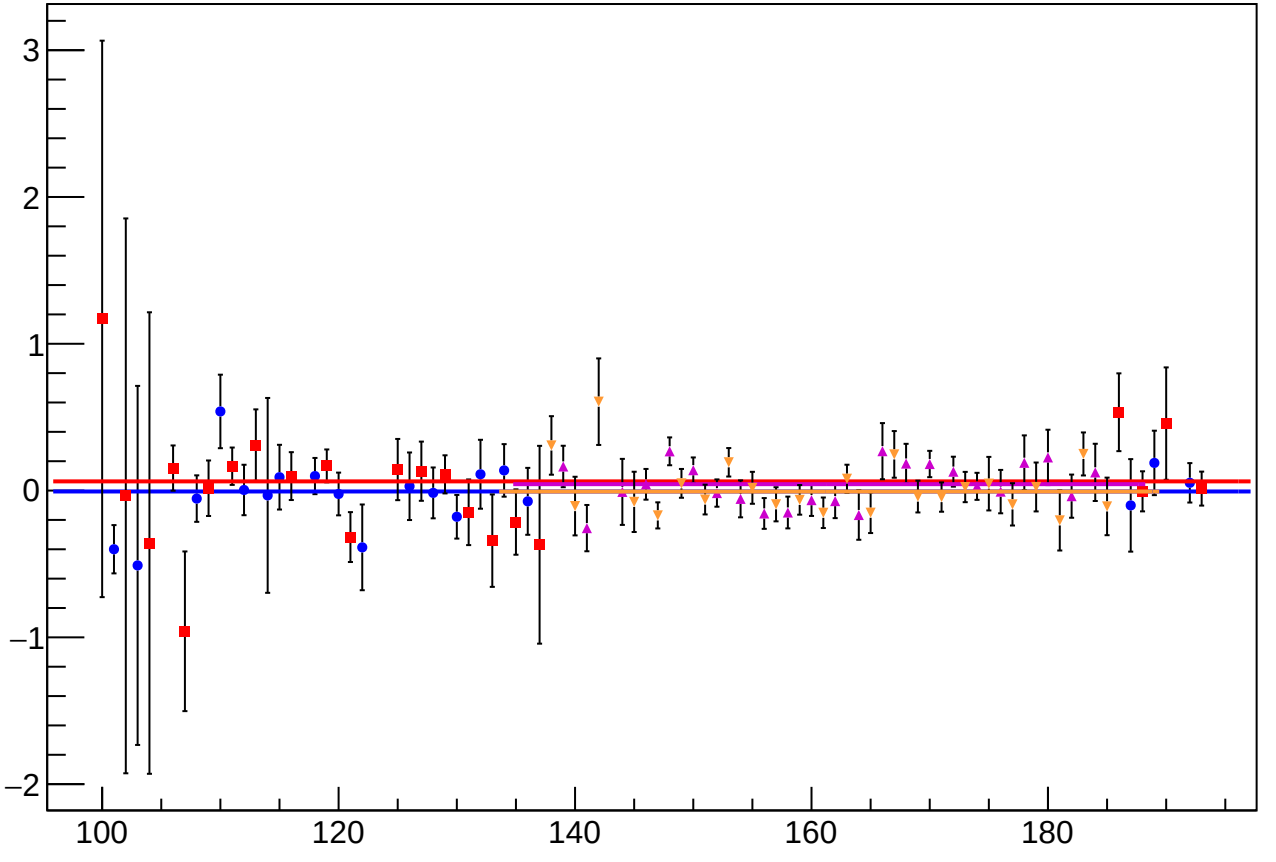
Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

\+ sign 103.112+/-0.015 χ^2/NDF: 4090342.4/42

All: 101.930+/-0.011 χ^2/NDF: 9251963.5/87

\- sign 100.813+/-0.015 χ^2/NDF: 5150281.6/44

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

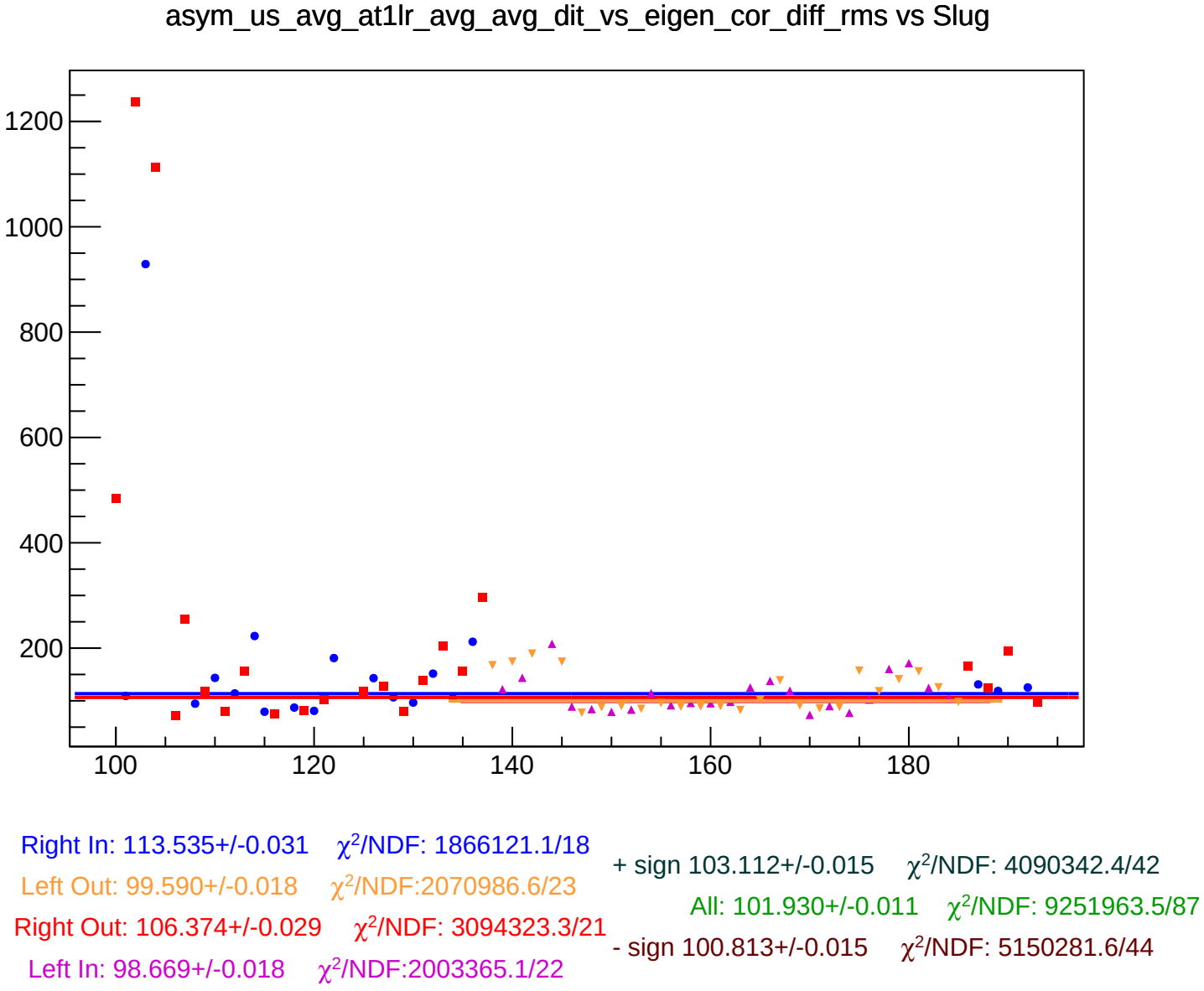
Right Out: 0.063+/-0.040 χ^2/NDF: 21.5/21

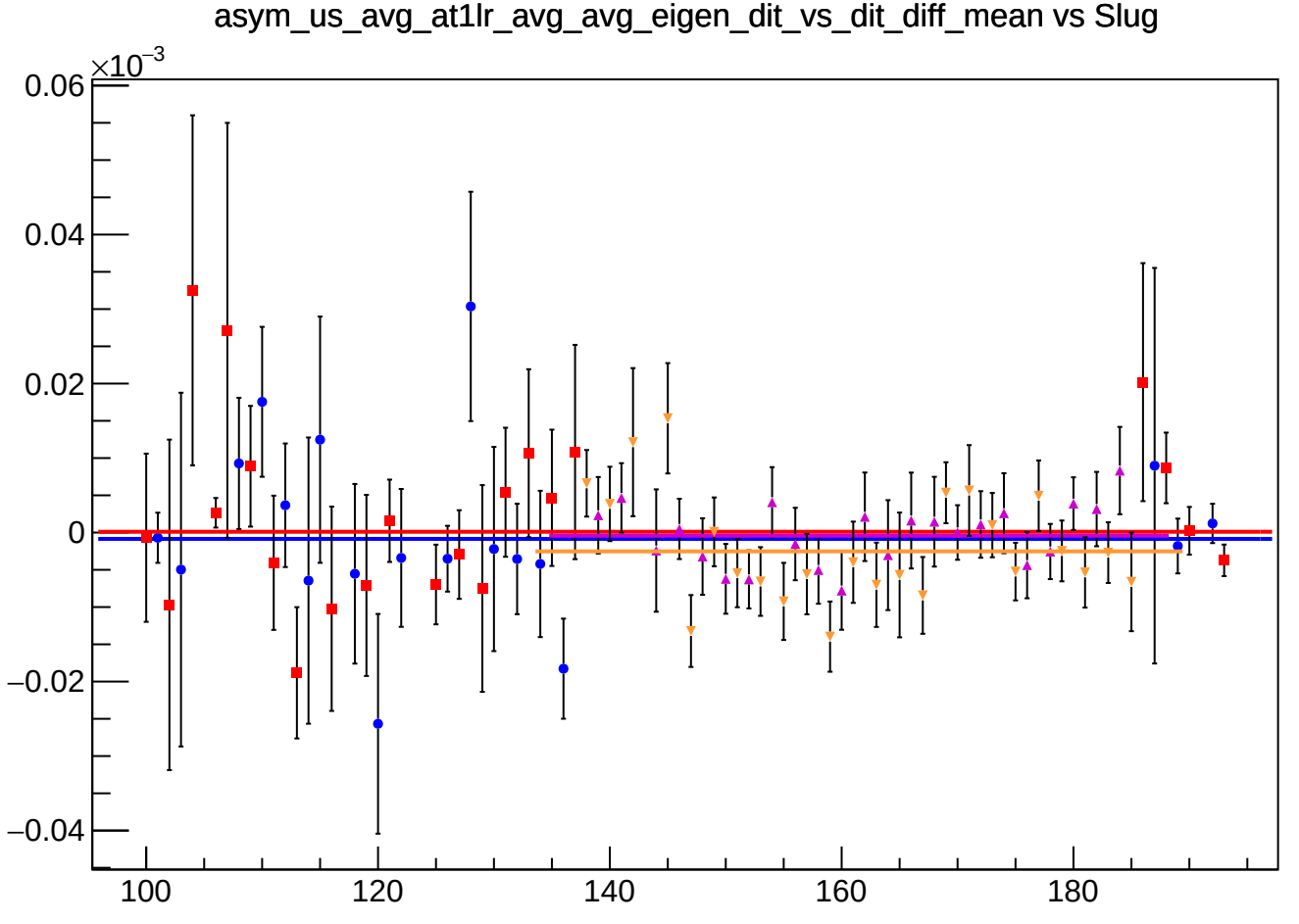
Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.006+/-0.022 χ^2/NDF: 44.5/42

All: 0.022+/-0.015 χ^2/NDF: 99.7/87

- sign 0.049+/-0.021 χ^2/NDF: 51.9/44


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
Right In: 113.535+/-0.031 χ²/NDF: 1866121.1/18
Left Out: 99.590+/-0.018 χ²/NDF:2070986.6/23
Right Out: 106.374+/-0.029 χ²/NDF: 3094323.3/21
Left In: 98.669+/-0.018 χ²/NDF:2003365.1/22
+ sign 103.112+/-0.015 χ²/NDF: 4090342.4/42
All: 101.930+/-0.011 χ²/NDF: 9251963.5/87
- sign 100.813+/-0.015 χ²/NDF: 5150281.6/44



Right In: -0.000+/-0.000 χ^2/NDF: 21.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

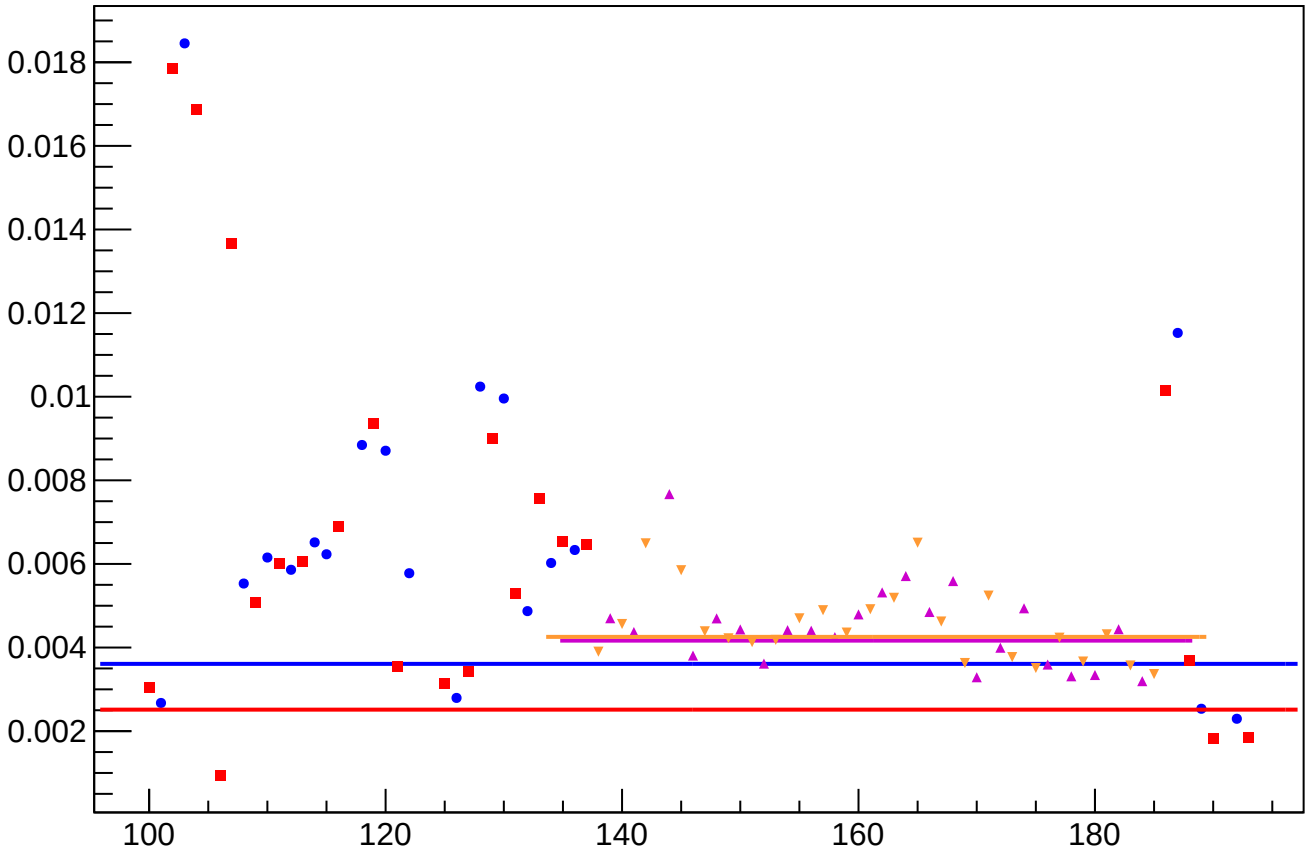
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/21

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: 105.0/87

- sign -0.000+/-0.000 χ^2/NDF: 40.2/44



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: 7550305.3/21

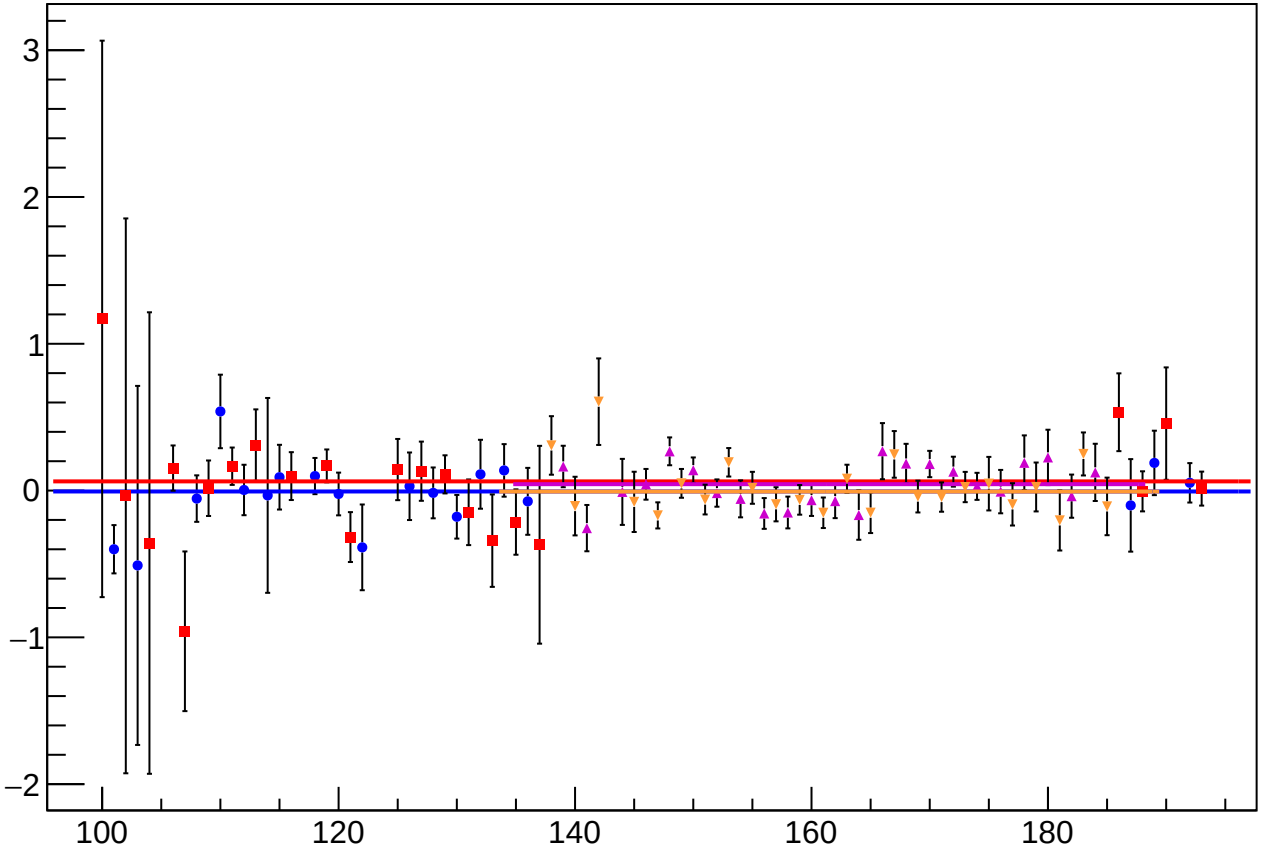
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 5453003.6/42

All: 0.004+/-0.000 χ^2/NDF: 17380368.2/87

- sign 0.003+/-0.000 χ^2/NDF: 11307392.2/44

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_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

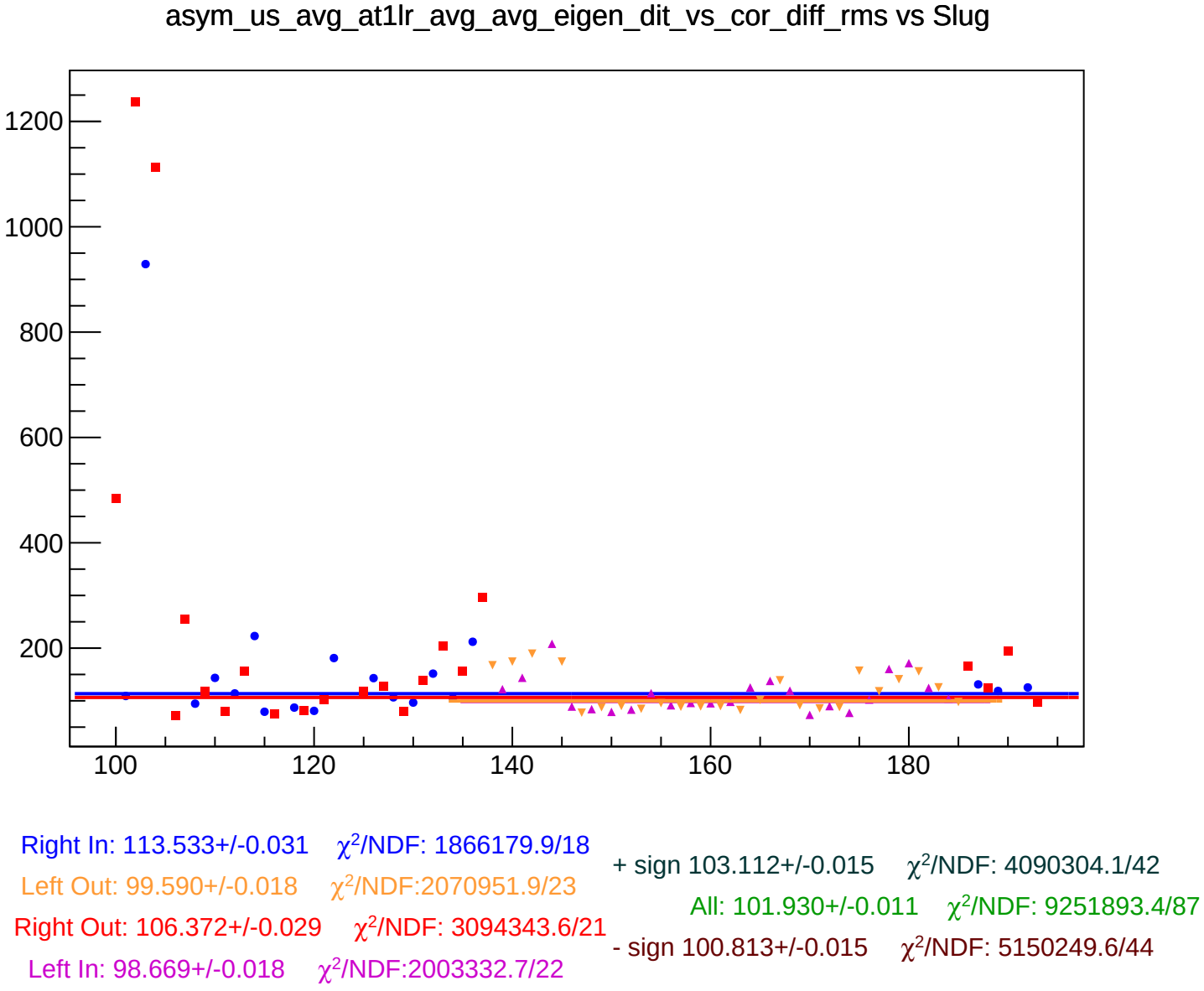
Right Out: 0.063+/-0.040 χ^2/NDF: 21.5/21

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

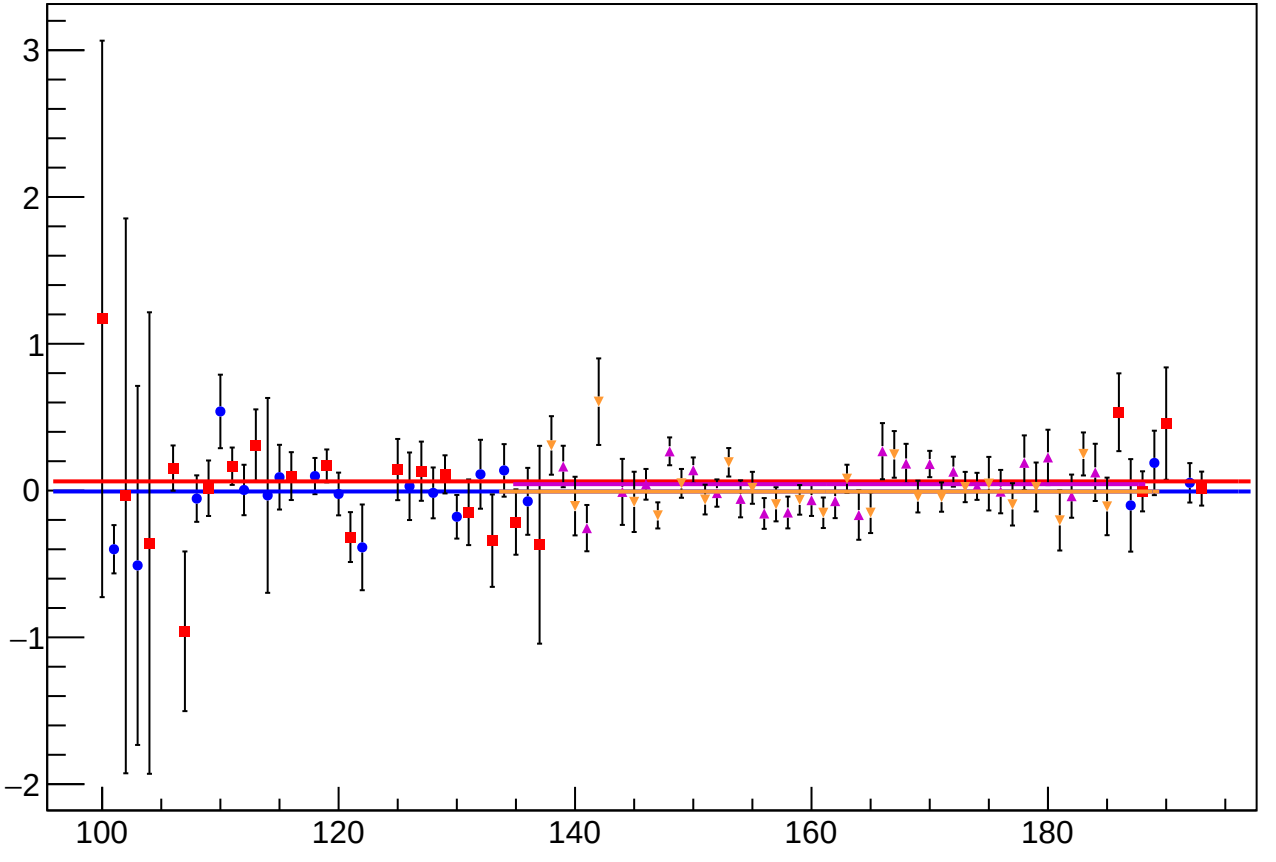
+ sign -0.006+/-0.022 χ^2/NDF: 44.5/42

All: 0.022+/-0.015 χ^2/NDF: 99.7/87

- sign 0.049+/-0.021 χ^2/NDF: 51.9/44


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
Right In: 113.533+/-0.031 χ²/NDF: 1866179.9/18
Left Out: 99.590+/-0.018 χ²/NDF:2070951.9/23
Right Out: 106.372+/-0.029 χ²/NDF: 3094343.6/21
Left In: 98.669+/-0.018 χ²/NDF:2003332.7/22
+ sign 103.112+/-0.015 χ²/NDF: 4090304.1/42
All: 101.930+/-0.011 χ²/NDF: 9251893.4/87
- sign 100.813+/-0.015 χ²/NDF: 5150249.6/44

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

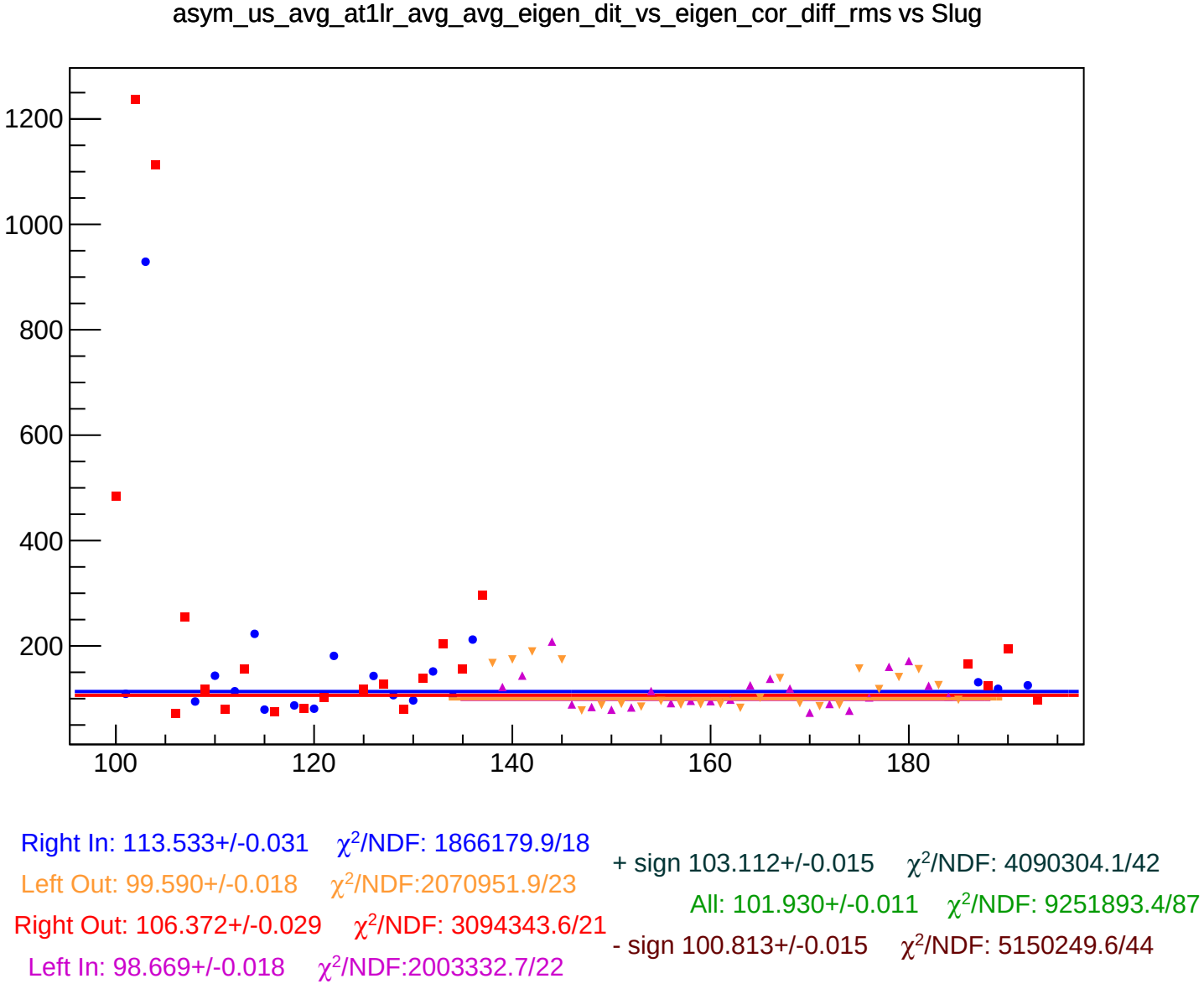
Right Out: 0.063+/-0.040 χ^2/NDF: 21.5/21

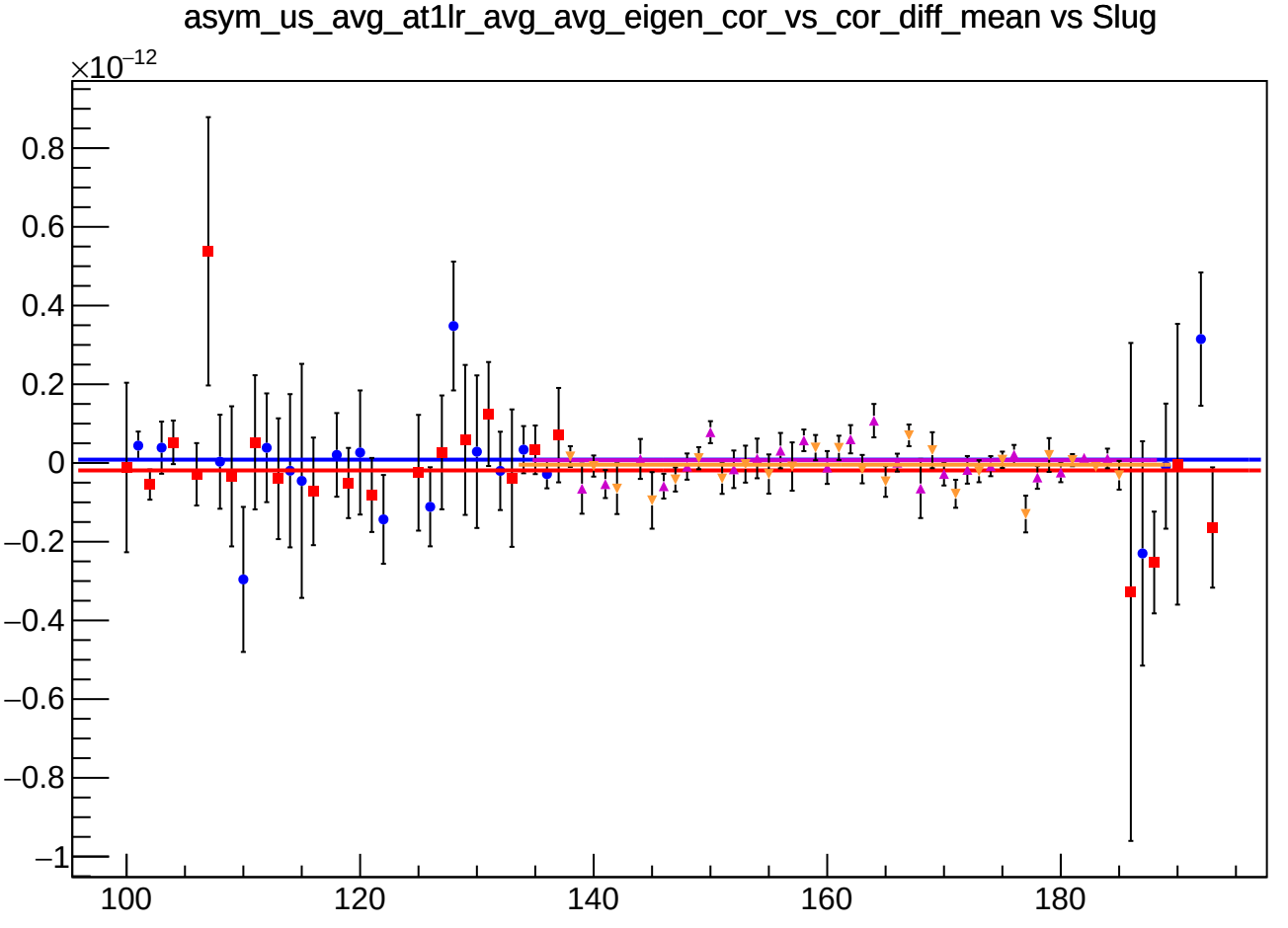
Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.006+/-0.022 χ^2/NDF: 44.5/42

All: 0.022+/-0.015 χ^2/NDF: 99.7/87

- sign 0.049+/-0.021 χ^2/NDF: 51.9/44


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
Right In: 113.533+/-0.031 χ²/NDF: 1866179.9/18
Left Out: 99.590+/-0.018 χ²/NDF:2070951.9/23
Right Out: 106.372+/-0.029 χ²/NDF: 3094343.6/21
Left In: 98.669+/-0.018 χ²/NDF:2003332.7/22
+ sign 103.112+/-0.015 χ²/NDF: 4090304.1/42
All: 101.930+/-0.011 χ²/NDF: 9251893.4/87
- sign 100.813+/-0.015 χ²/NDF: 5150249.6/44



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

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

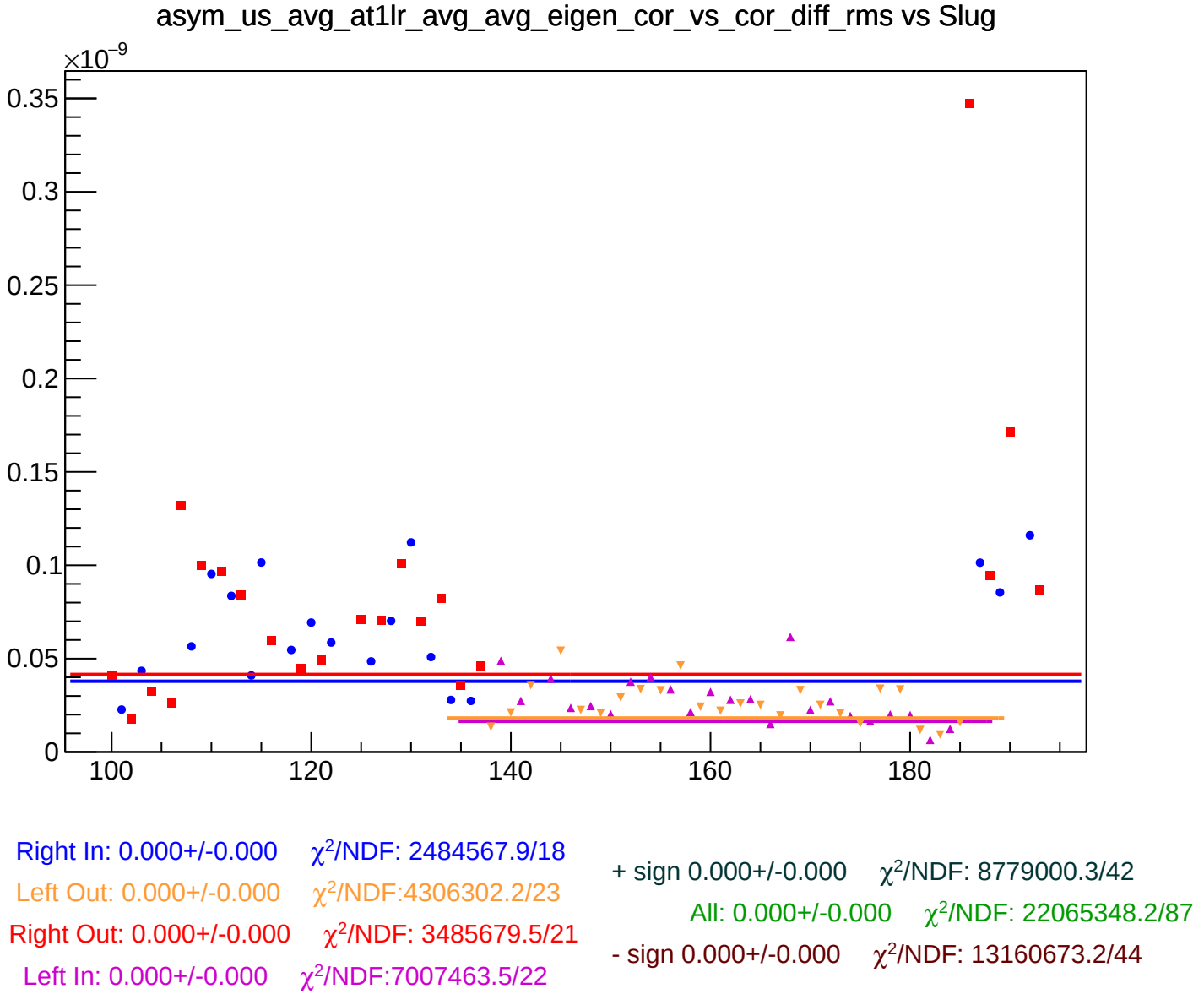
Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/21

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

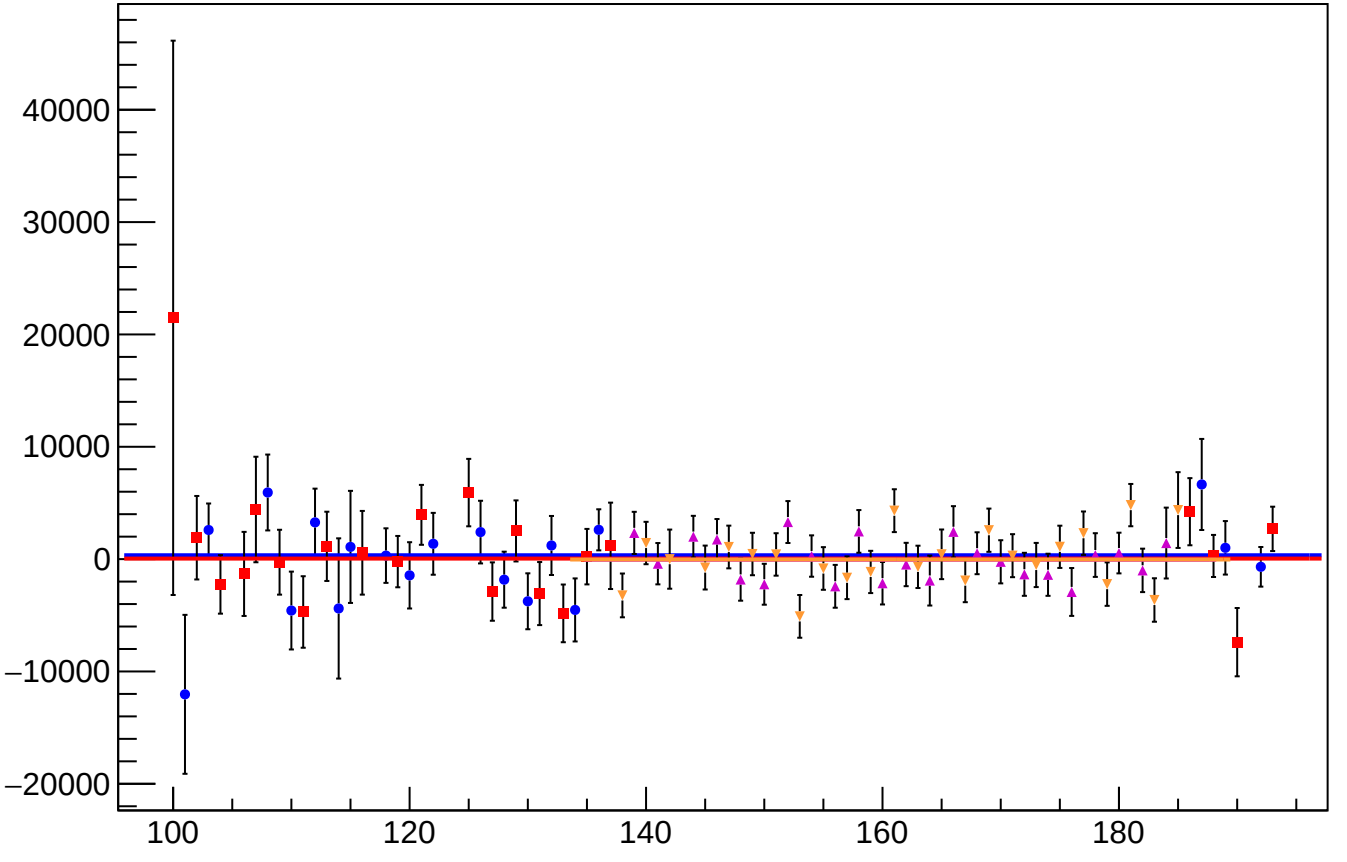
+ sign -0.000+/-0.000 χ^2/NDF: 50.3/42

All: 0.000+/-0.000 χ^2/NDF: 101.5/87

- sign 0.000+/-0.000 χ^2/NDF: 49.9/44


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: 3485679.5/21
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: 22065348.2/87
- sign 0.000+/-0.000 χ²/NDF: 13160673.2/44

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: 47.185+/-604.979 χ^2/NDF: 27.9/21

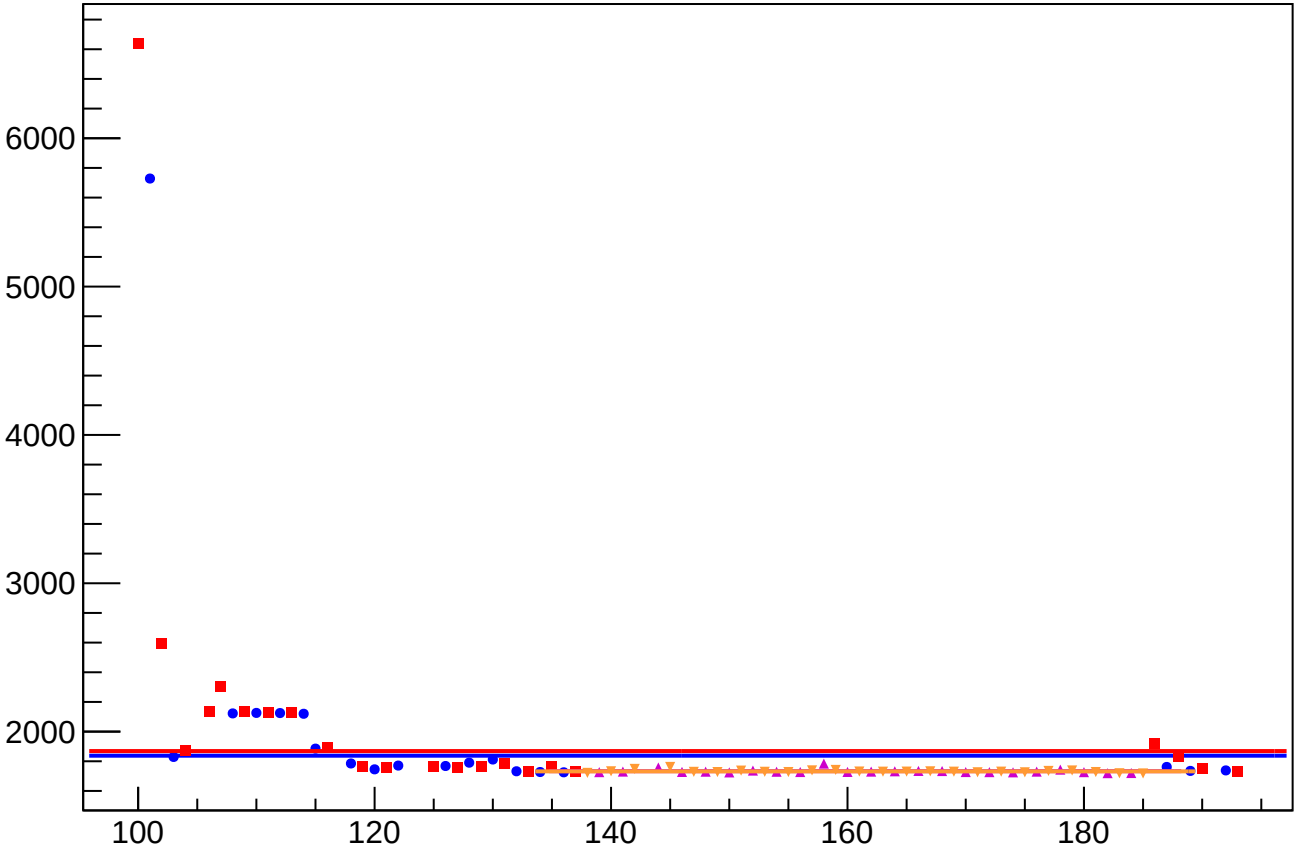
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

\+ sign 75.728+/-338.393 χ^2/NDF: 57.9/42

All: 26.629+/-238.564 χ^2/NDF: 105.3/87

\- sign -21.887+/-336.378 χ^2/NDF: 47.3/44

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

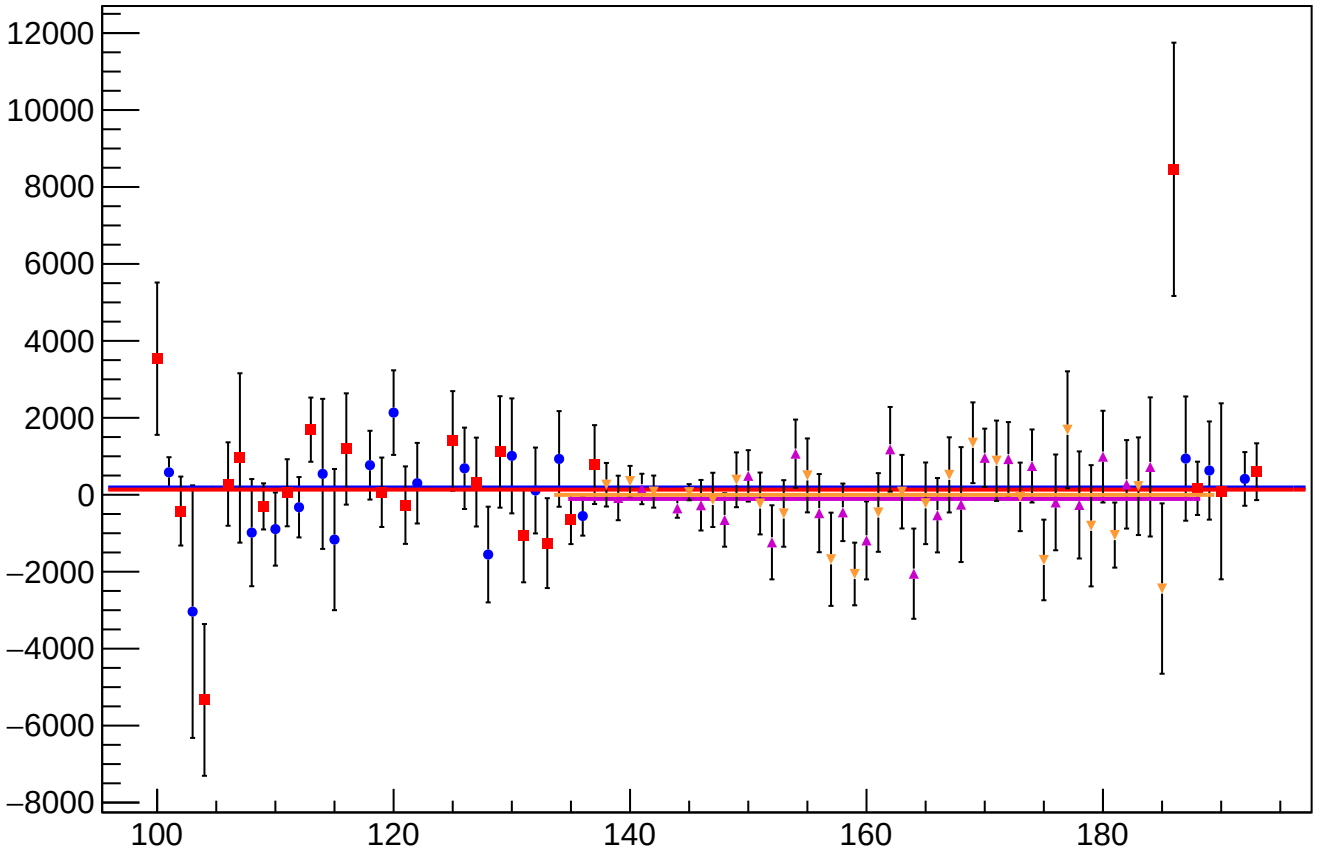
Right Out: 1868.802+/-0.428 χ^2/NDF: 267854.0/21

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.771+/-0.239 χ^2/NDF: 727681.7/42

All: 1769.023+/-0.169 χ^2/NDF: 1068422.7/87

- sign 1775.202+/-0.238 χ^2/NDF: 339383.5/44



Right In: 189.063+/-205.431 χ^2/NDF: 13.9/18

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

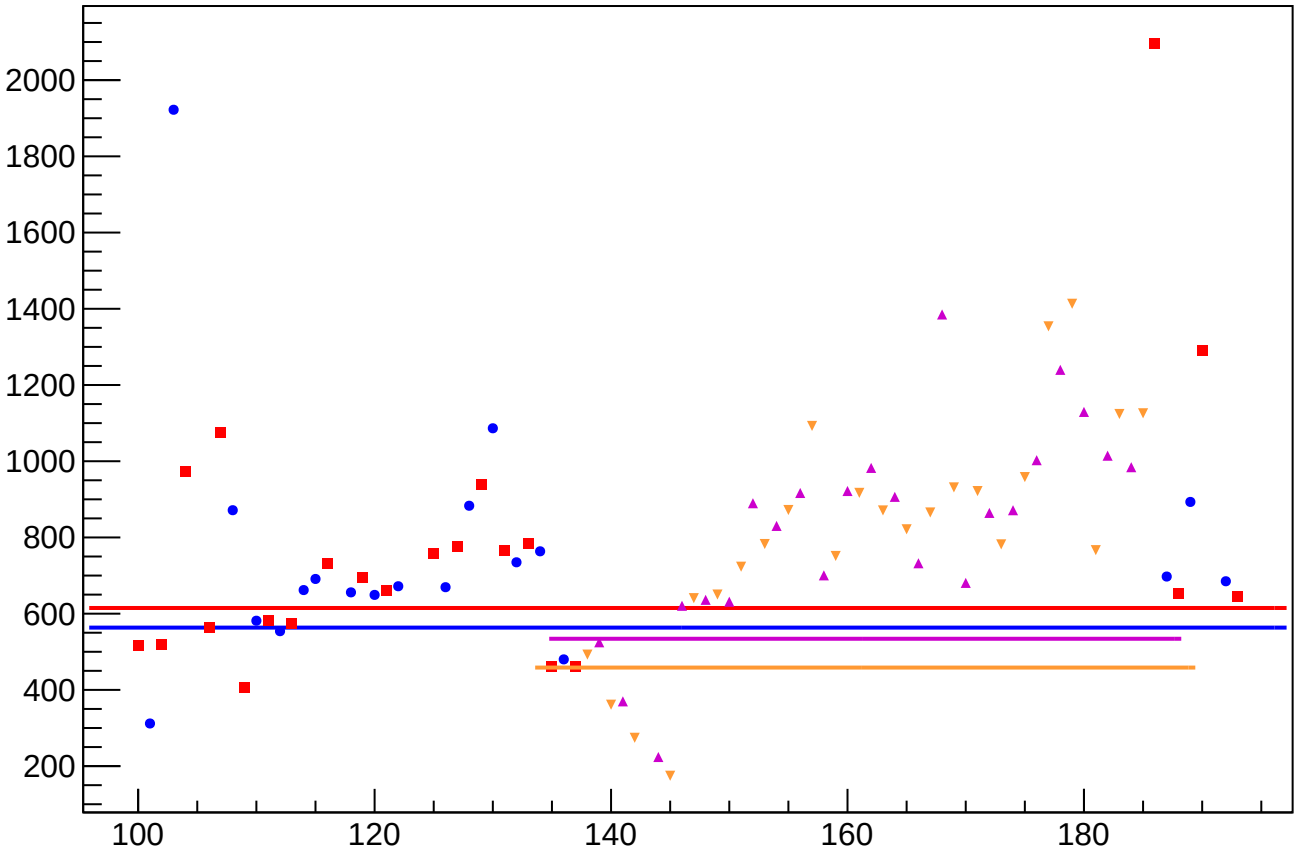
Right Out: 134.128+/-214.092 χ^2/NDF: 28.3/21

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 52.375+/-109.883 χ^2/NDF: 34.8/42

All: 12.959+/-80.759 χ^2/NDF: 81.4/87

- sign -33.342+/-119.094 χ^2/NDF: 46.2/44



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: 614.923+/-0.151 χ^2/NDF: 1449997.9/21

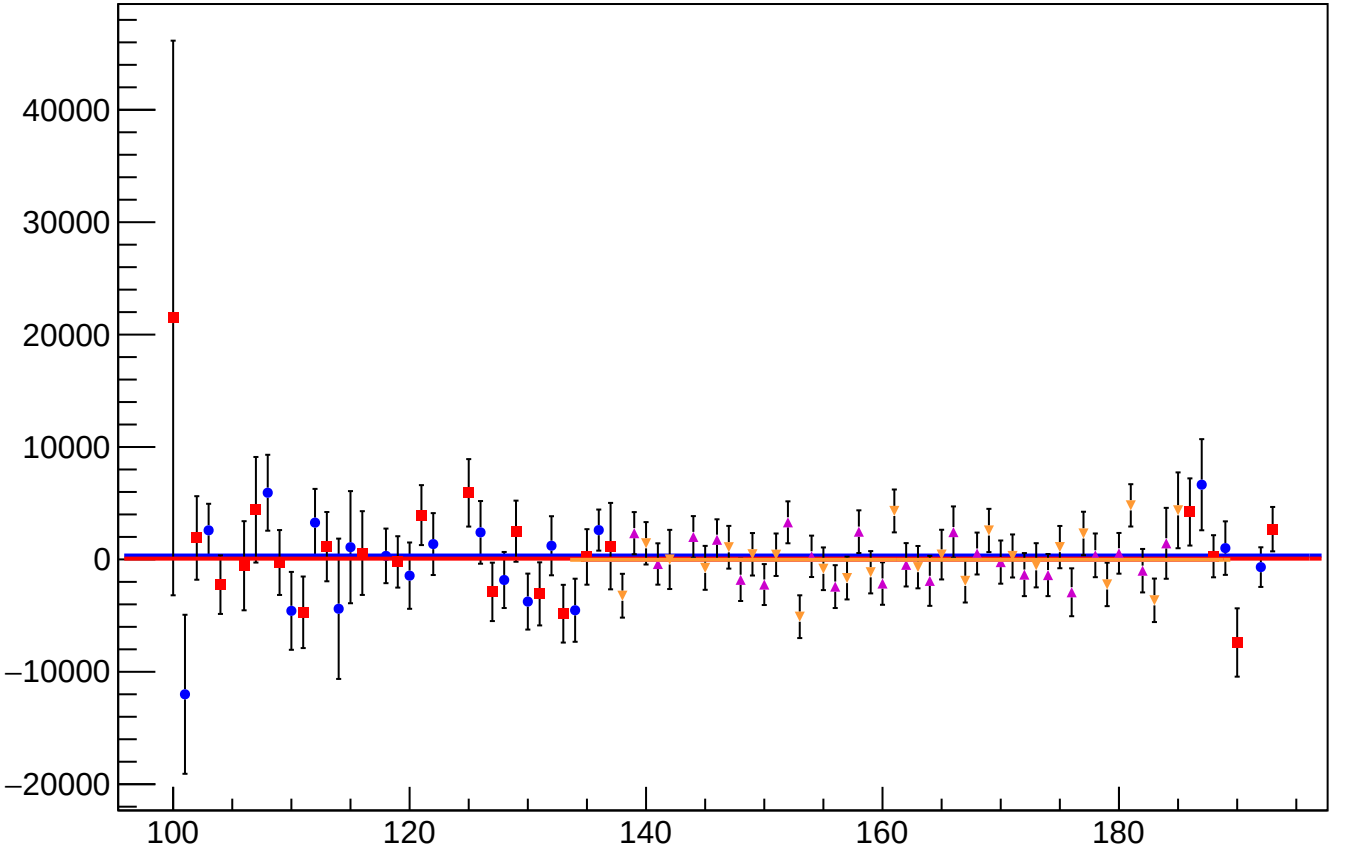
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 488.578+/-0.078 χ^2/NDF: 13886017.5/42

All: 521.031+/-0.057 χ^2/NDF: 24355221.9/87

- sign 559.152+/-0.084 χ^2/NDF: 10089830.0/44

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: 68.859+/-605.842 χ^2/NDF: 27.8/21

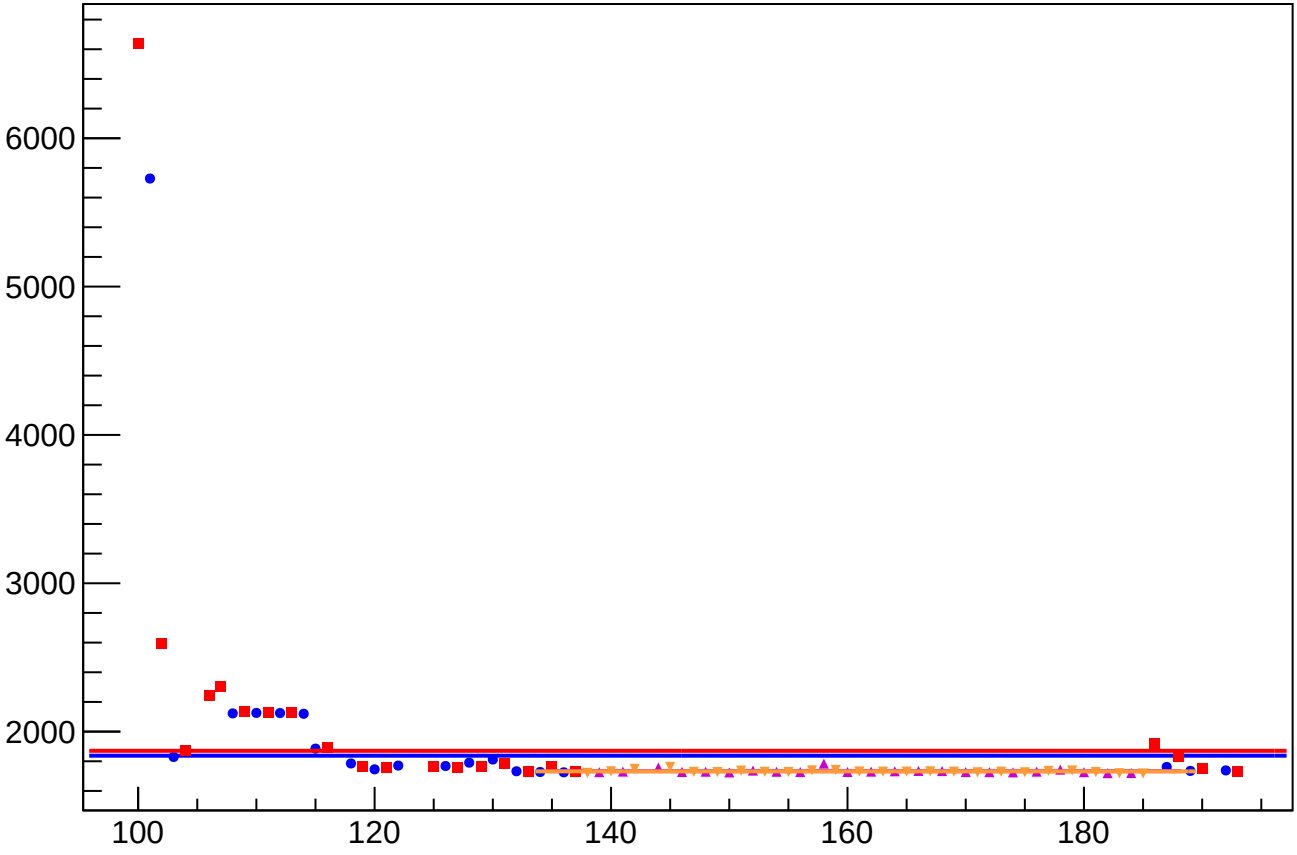
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 75.806+/-338.393 χ^2/NDF: 57.9/42

All: 30.050+/-238.617 χ^2/NDF: 105.2/87

- sign -15.203+/-336.526 χ^2/NDF: 47.2/44

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

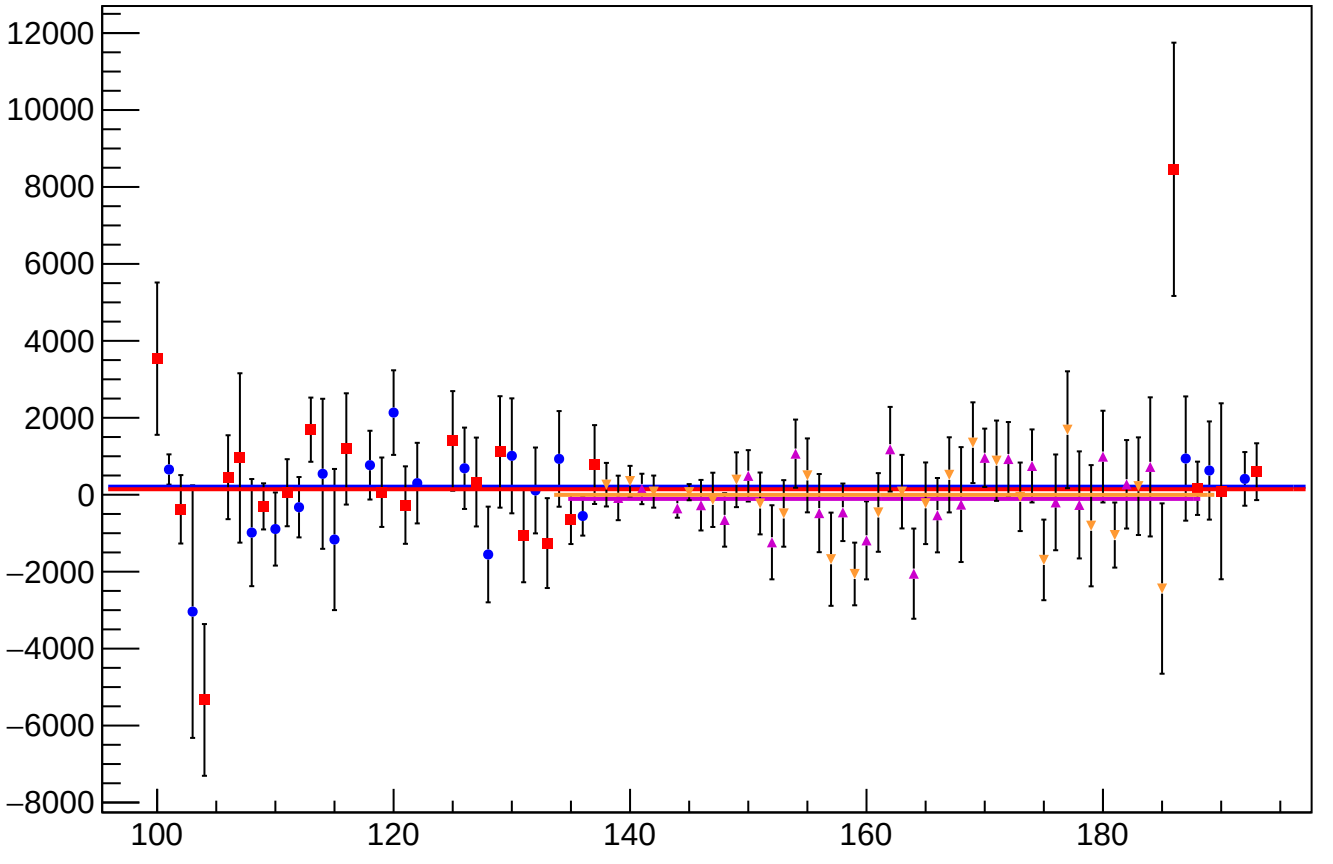
Right Out: 1870.493+/-0.428 χ^2/NDF: 275288.5/21

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.771+/-0.239 χ^2/NDF: 727681.5/42

All: 1769.241+/-0.169 χ^2/NDF: 1077553.9/87

- sign 1775.641+/-0.238 χ^2/NDF: 348418.0/44



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: 142.938+/-214.051 χ^2/NDF: 28.4/21

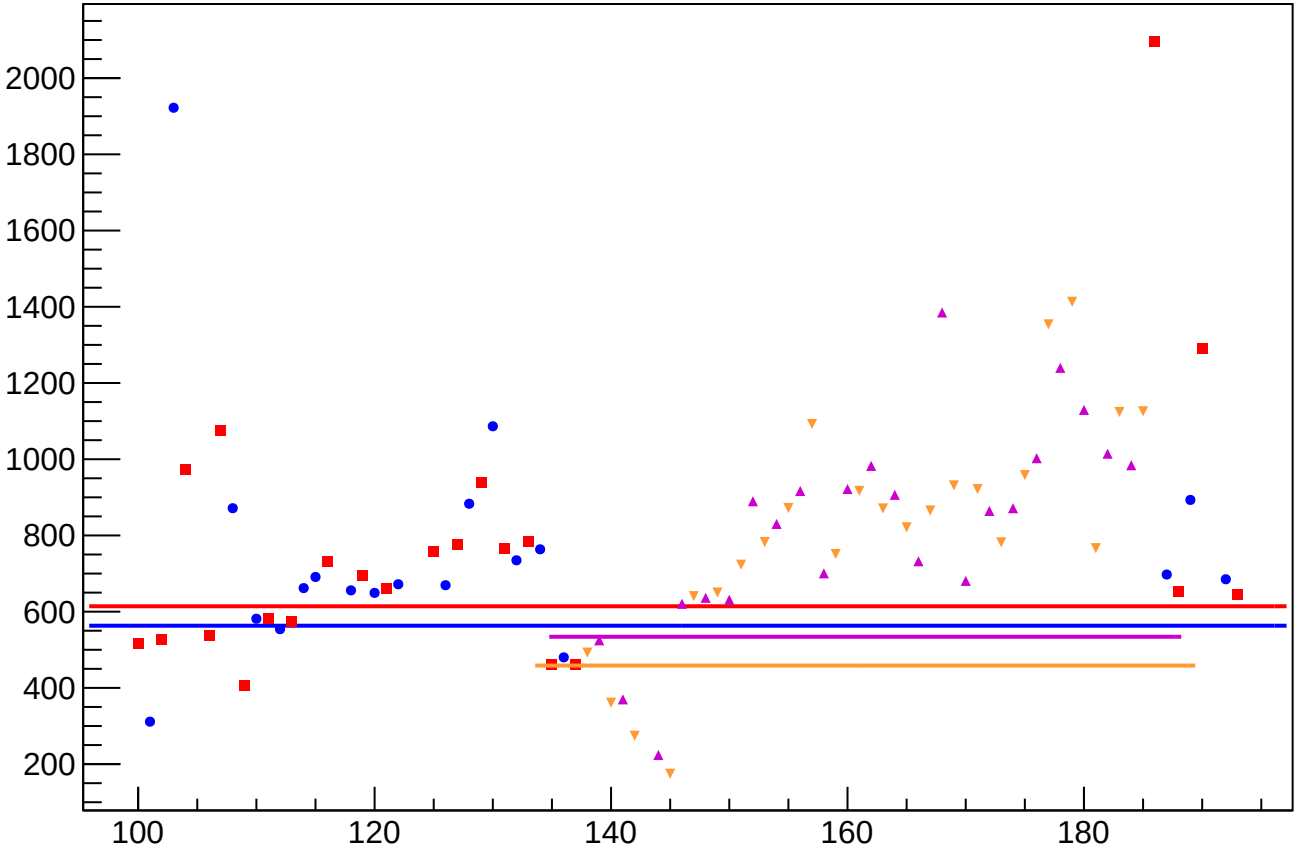
Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

\+ sign 58.124+/-109.875 χ^2/NDF: 35.4/42

All: 17.337+/-80.754 χ^2/NDF: 82.0/87

\- sign -30.575+/-119.087 χ^2/NDF: 46.3/44

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 563.143+/-0.145 χ^2/NDF: 2092347.0/18

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

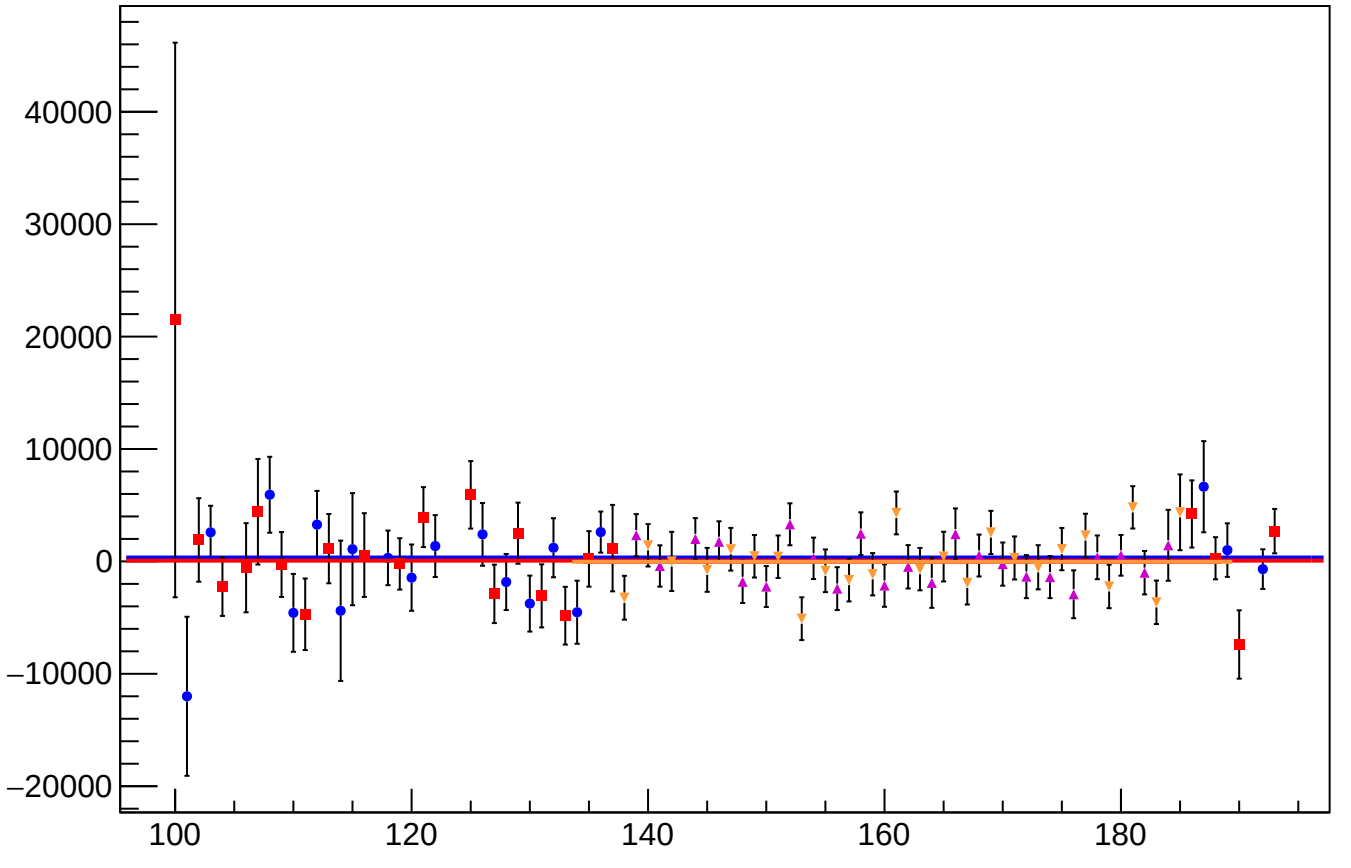
Right Out: 614.220+/-0.151 χ^2/NDF: 1452856.0/21

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

\+ sign 488.516+/-0.078 χ^2/NDF: 13888655.0/42

All: 520.902+/-0.057 χ^2/NDF: 24355337.2/87

\- sign 558.946+/-0.084 χ^2/NDF: 10088811.0/44



Right In: 344.742+/-626.963 χ^2/NDF: 22.3/18

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

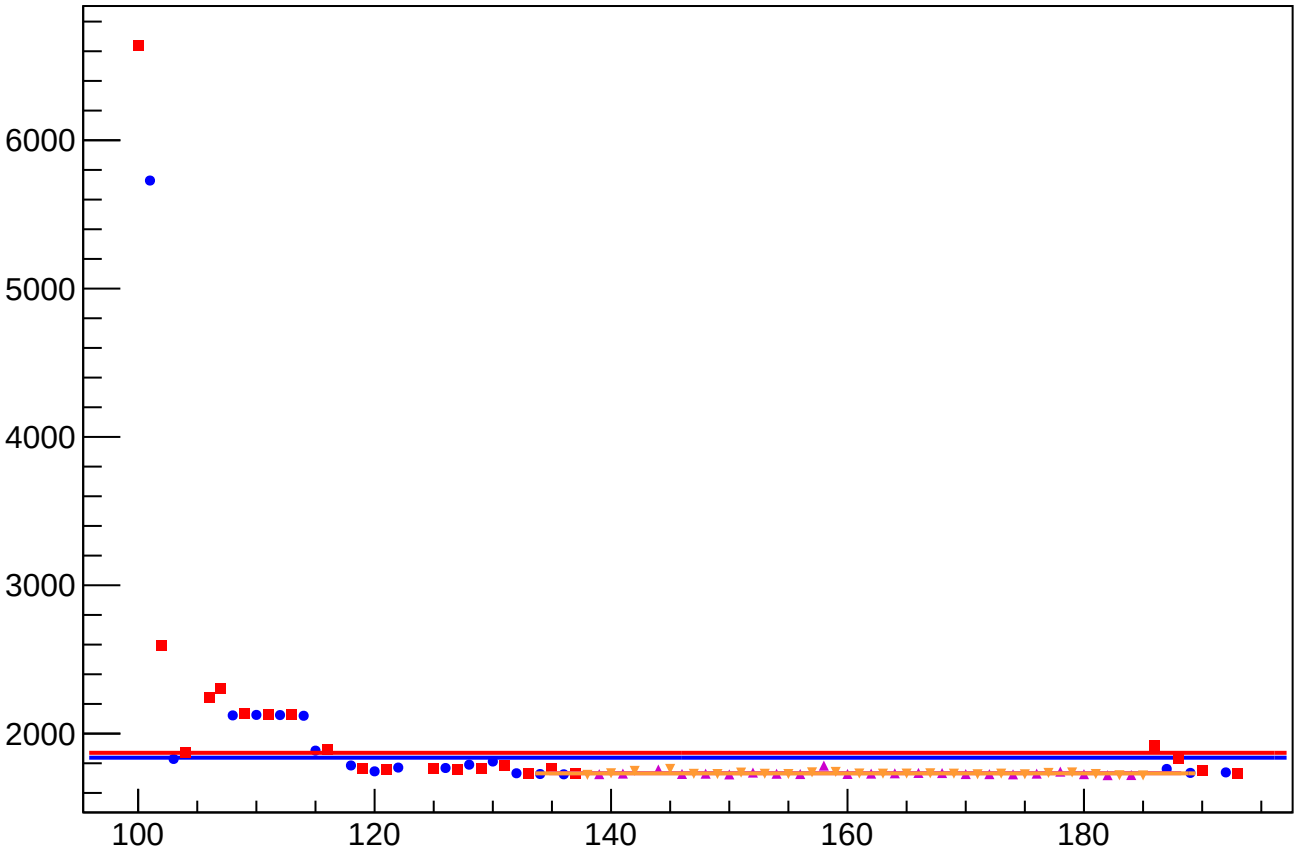
Right Out: 68.859+/-605.842 χ^2/NDF: 27.8/21

Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 75.806+/-338.393 χ^2/NDF: 57.9/42

All: 30.050+/-238.617 χ^2/NDF: 105.2/87

- sign -15.203+/-336.526 χ^2/NDF: 47.2/44



Right In: 1837.665+/-0.443 χ^2/NDF: 686474.4/18

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

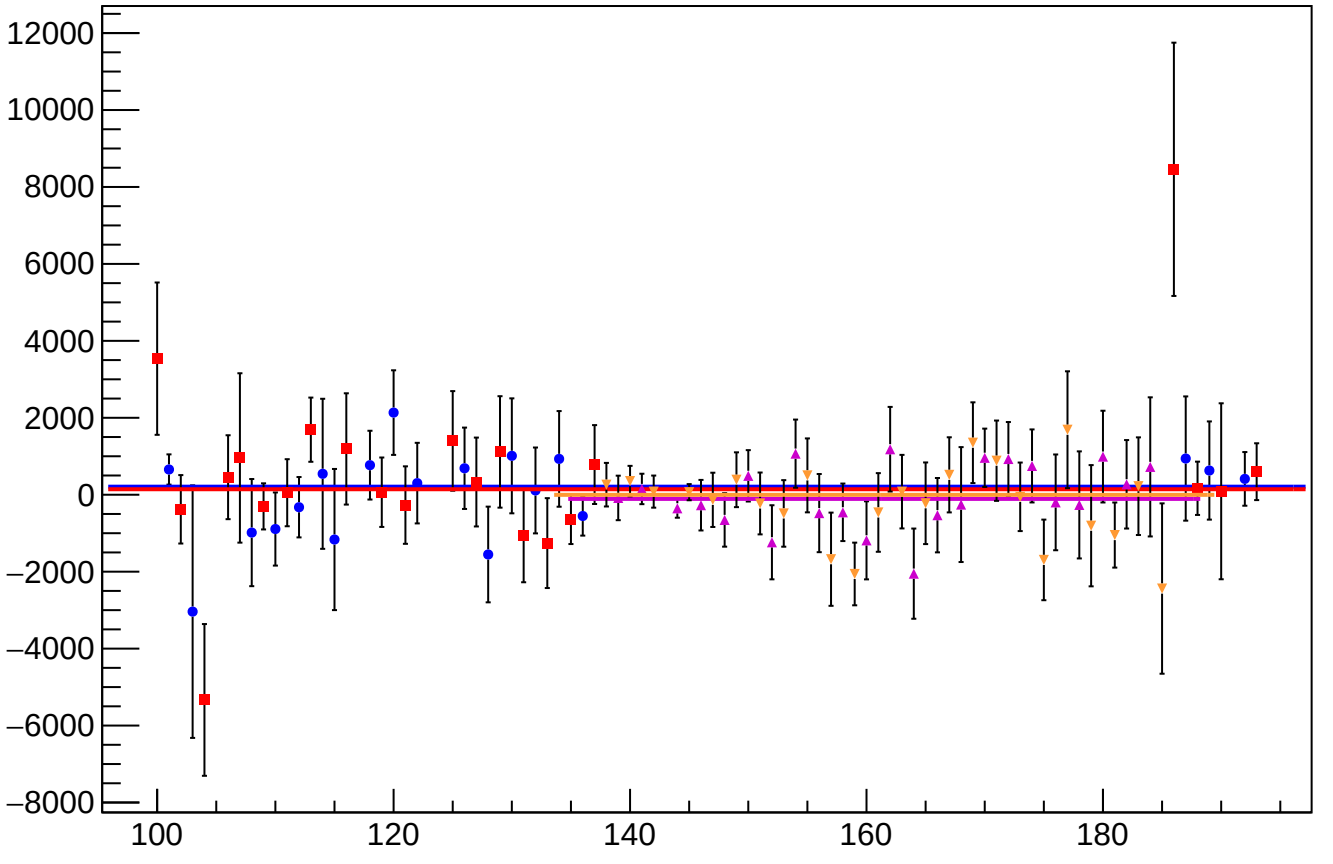
Right Out: 1870.493+/-0.428 χ^2/NDF: 275288.5/21

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.771+/-0.239 χ^2/NDF: 727681.5/42

All: 1769.241+/-0.169 χ^2/NDF: 1077553.9/87

- sign 1775.641+/-0.238 χ^2/NDF: 348418.0/44



Right In: 209.367+/-205.370 χ^2/NDF: 14.4/18

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

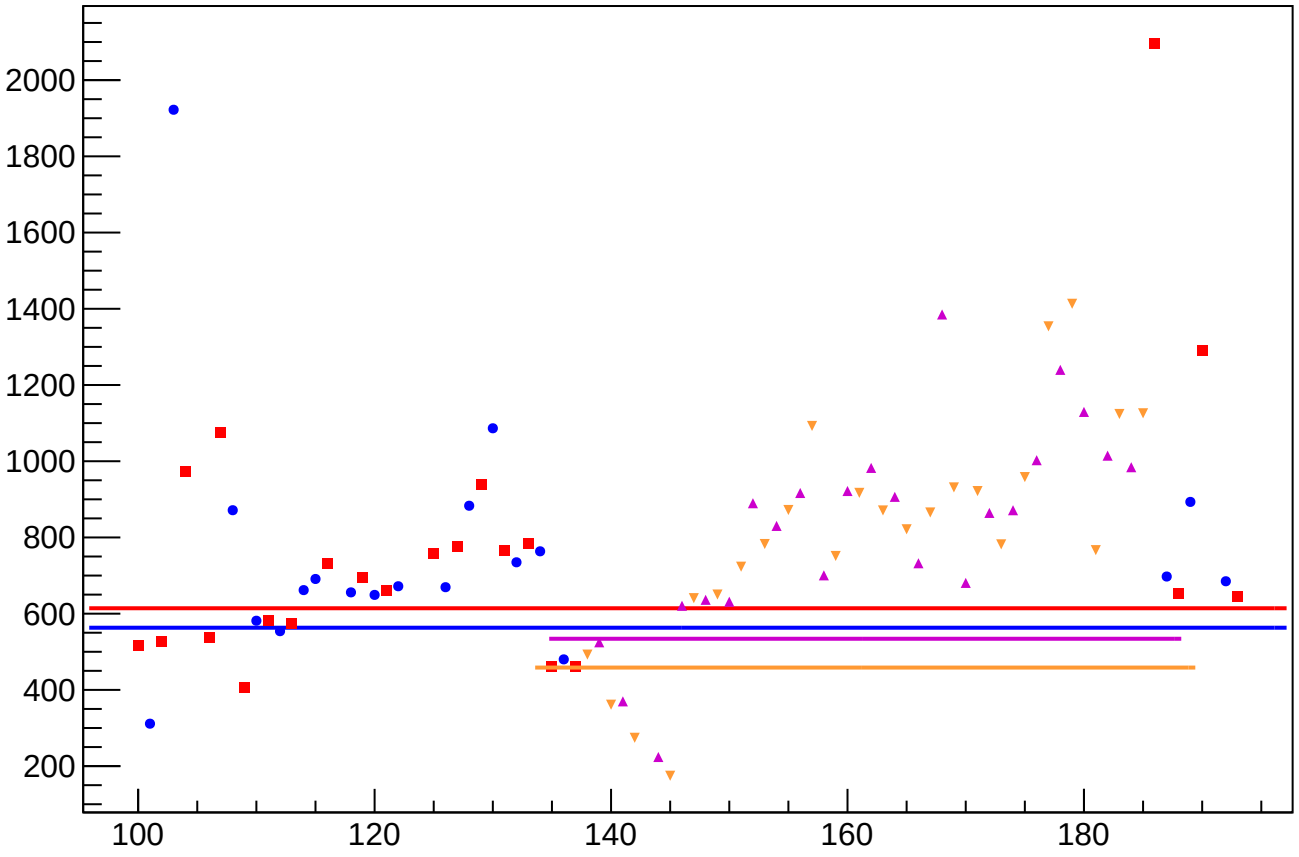
Right Out: 142.938+/-214.051 χ^2/NDF: 28.4/21

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 58.124+/-109.875 χ^2/NDF: 35.4/42

All: 17.337+/-80.754 χ^2/NDF: 82.0/87

- sign -30.575+/-119.087 χ^2/NDF: 46.3/44



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: 614.220+/-0.151 χ^2/NDF: 1452856.0/21

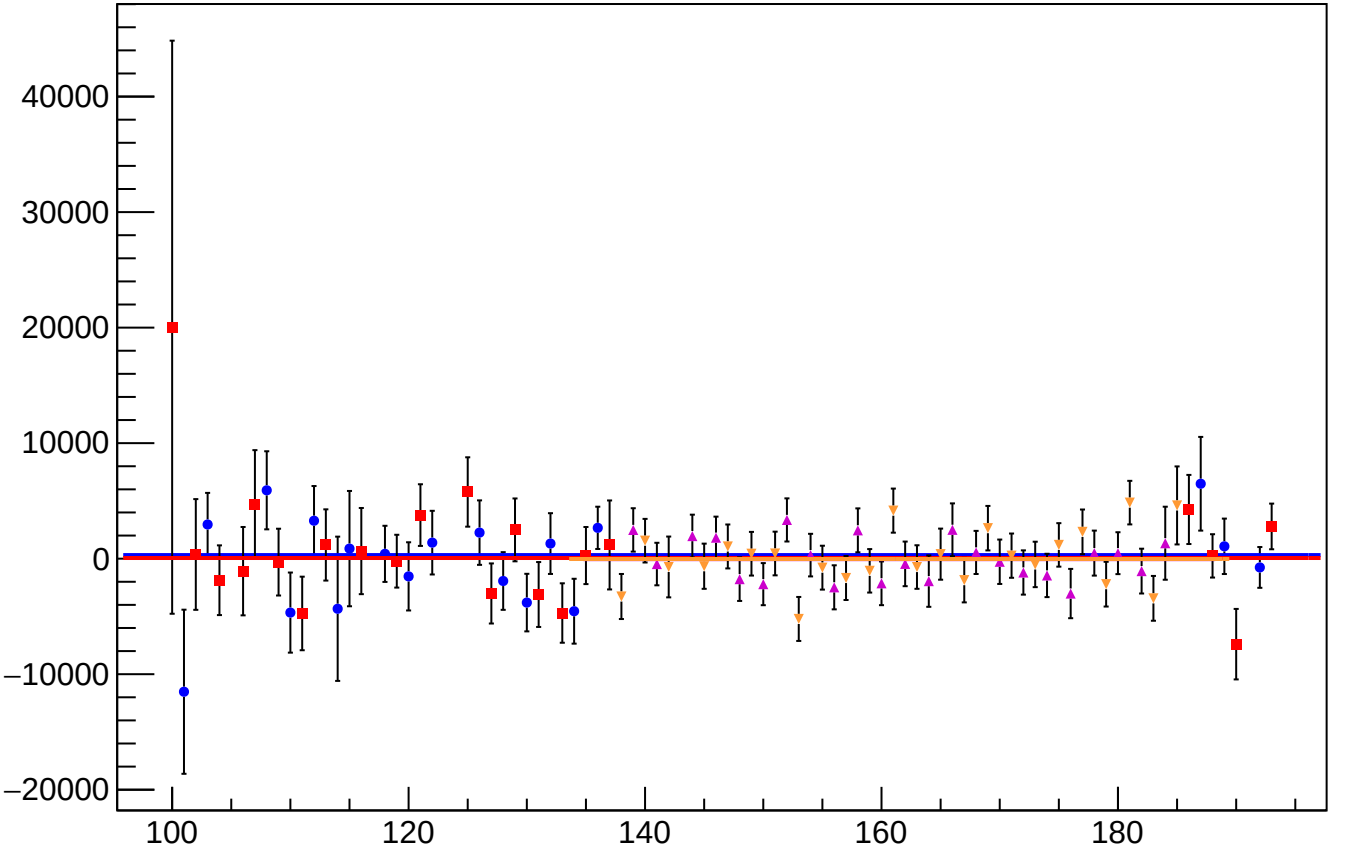
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 488.516+/-0.078 χ^2/NDF: 13888655.0/42

All: 520.902+/-0.057 χ^2/NDF: 24355337.2/87

- sign 558.946+/-0.084 χ^2/NDF: 10088811.0/44

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: 57.541+/-613.400 χ^2/NDF: 27.0/21

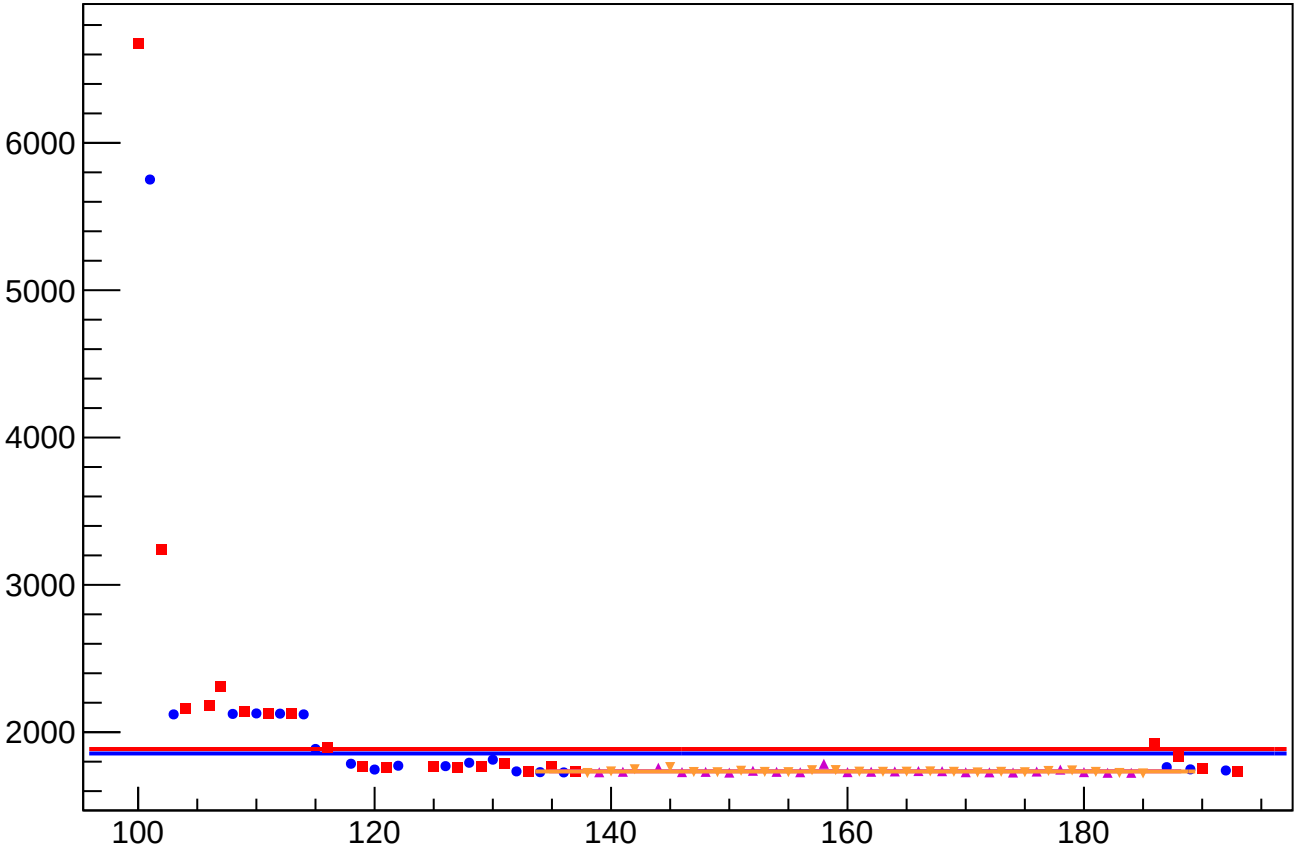
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 68.452+/-339.612 χ^2/NDF: 57.9/42

All: 27.986+/-239.573 χ^2/NDF: 104.8/87

- sign -12.099+/-338.007 χ^2/NDF: 46.9/44

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

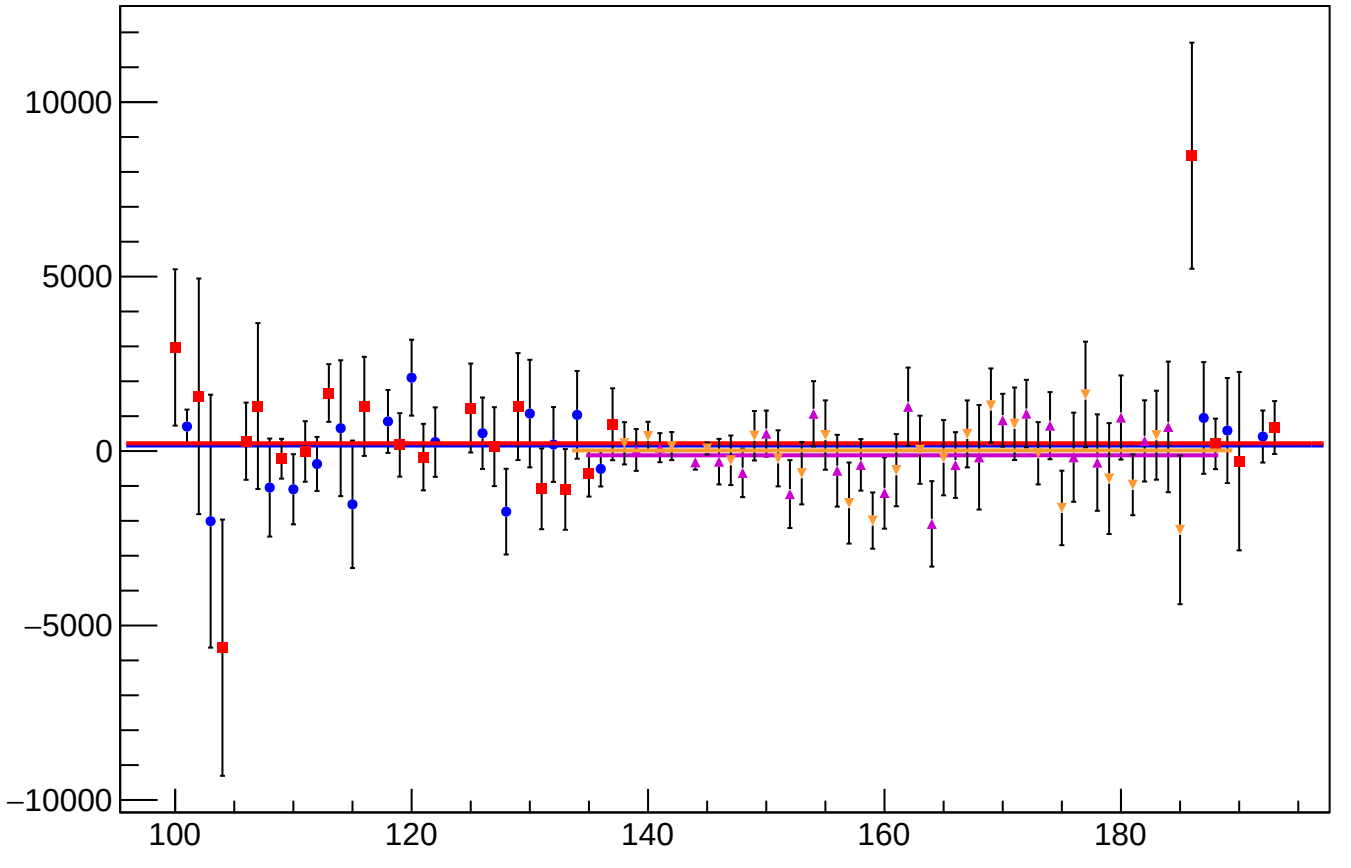
Right Out: 1885.879+/-0.434 χ^2/NDF: 374360.6/21

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1768.579+/-0.240 χ^2/NDF: 760846.6/42

All: 1774.659+/-0.169 χ^2/NDF: 1223133.3/87

- sign 1780.681+/-0.239 χ^2/NDF: 461010.9/44



Right In: 159.569+/-216.904 χ^2/NDF: 14.6/18

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

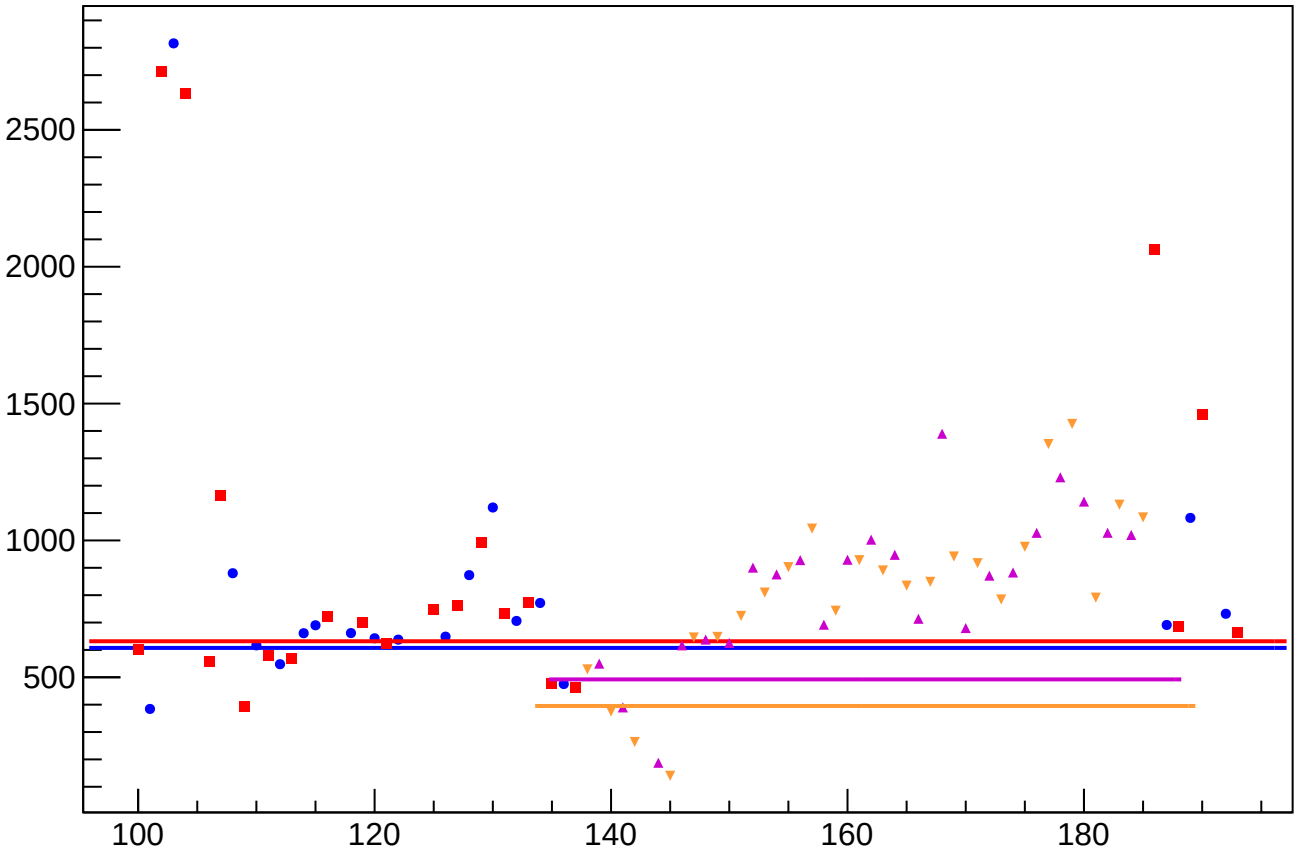
Right Out: 223.580+/-221.217 χ^2/NDF: 21.4/21

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 50.915+/-104.554 χ^2/NDF: 34.4/42

All: 16.696+/-77.832 χ^2/NDF: 74.2/87

- sign -25.837+/-116.565 χ^2/NDF: 39.6/44



Right In: 607.324+/-0.153 χ^2/NDF: 2038292.4/18

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

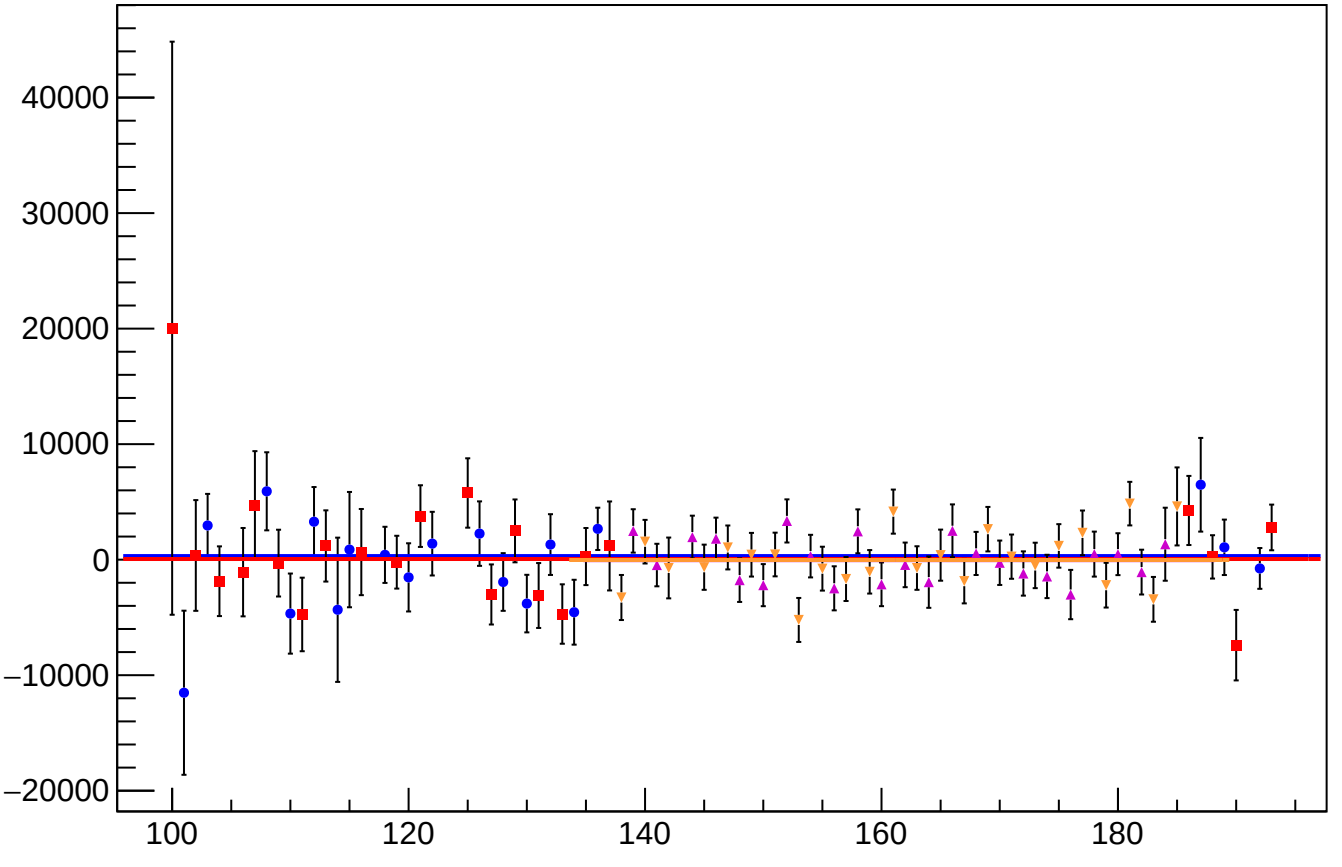
Right Out: 631.636+/-0.156 χ^2/NDF: 2833715.4/21

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 444.478+/-0.074 χ^2/NDF: 17841236.7/42

All: 483.046+/-0.055 χ^2/NDF: 32278023.1/87

- sign 530.983+/-0.082 χ^2/NDF: 13826404.7/44



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: 57.539+/-613.400 χ^2/NDF: 27.0/21

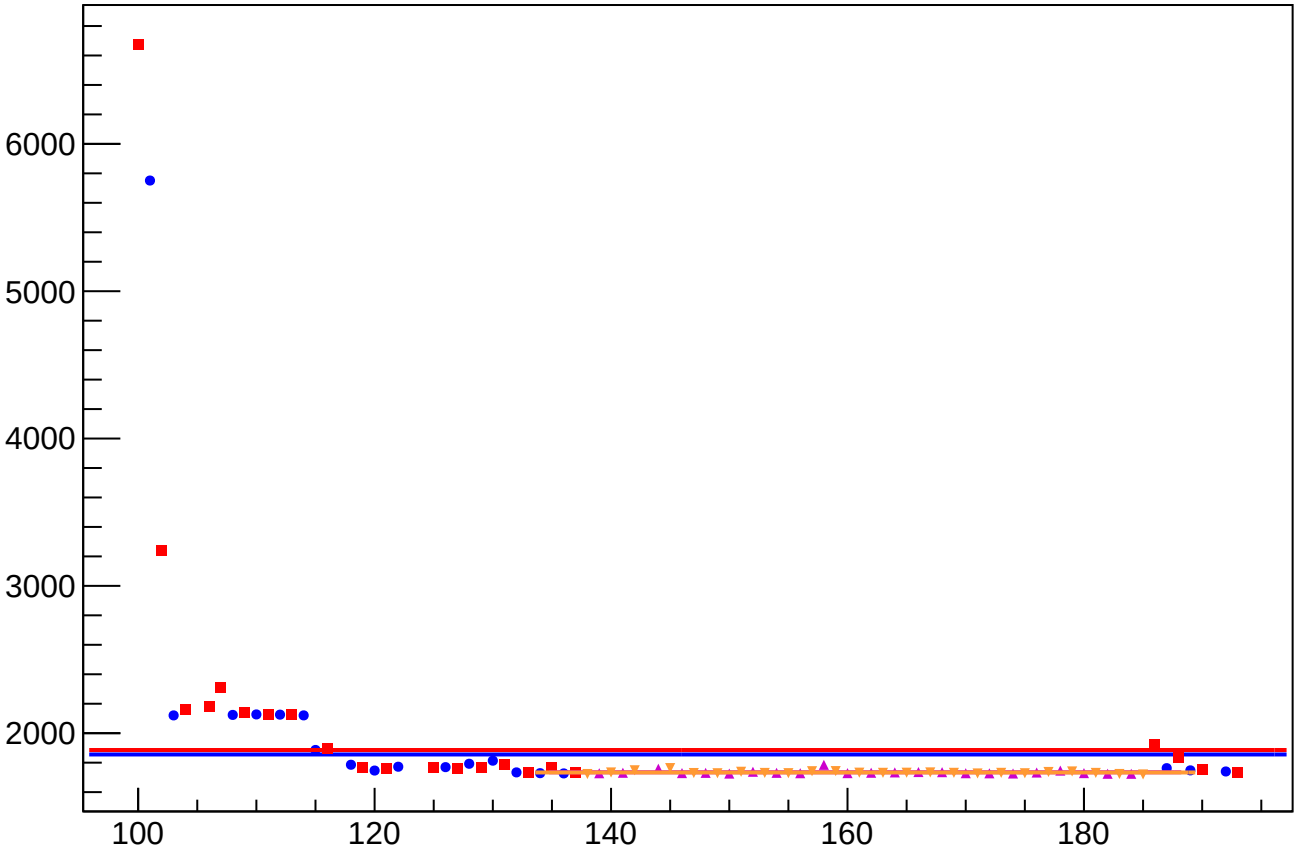
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 68.450+/-339.612 χ^2/NDF: 57.9/42

All: 27.985+/-239.573 χ^2/NDF: 104.8/87

- sign -12.099+/-338.007 χ^2/NDF: 46.9/44

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

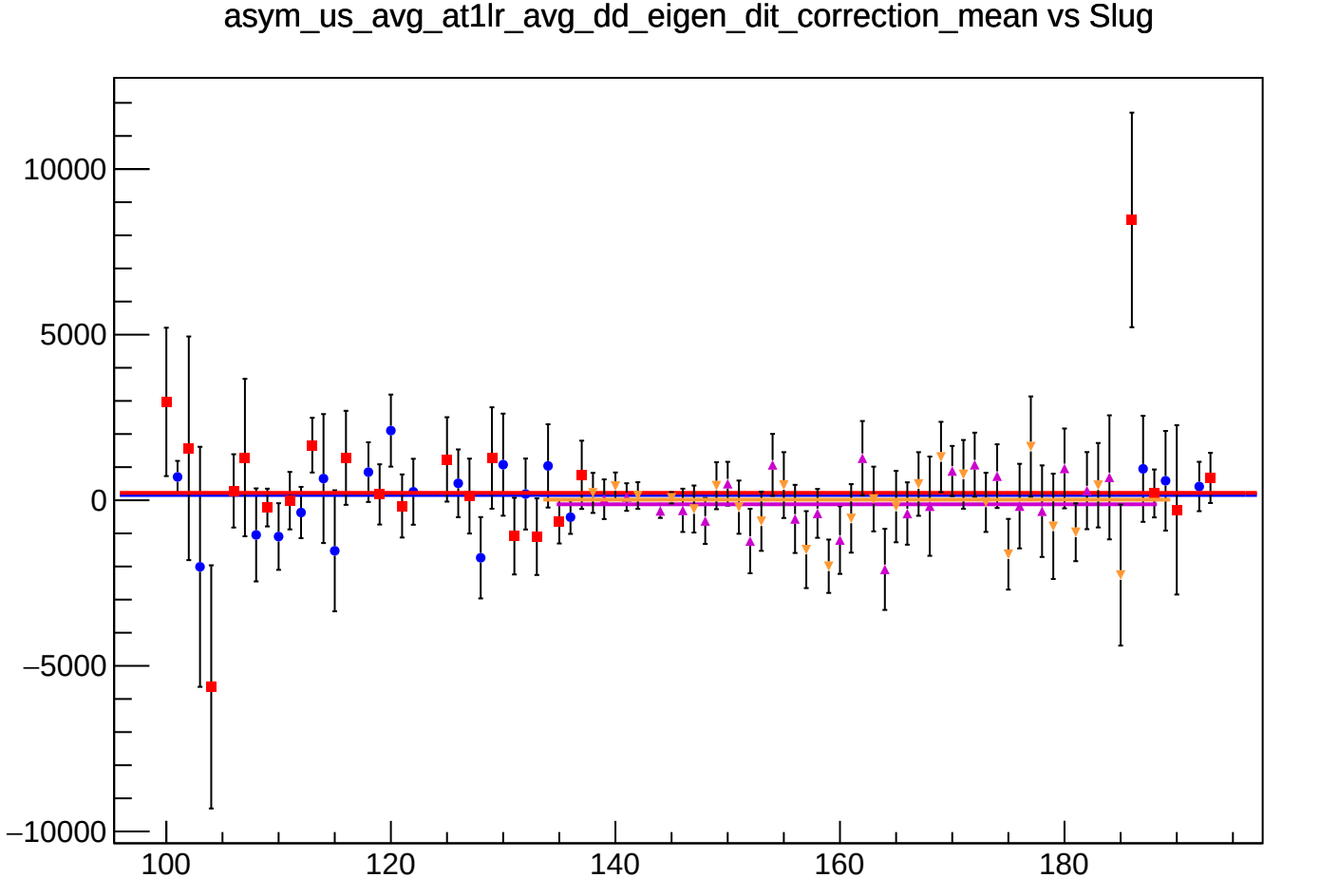
Right Out: 1885.879+/-0.434 χ^2/NDF: 374359.9/21

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1768.579+/-0.240 χ^2/NDF: 760846.2/42

All: 1774.659+/-0.169 χ^2/NDF: 1223132.1/87

- sign 1780.681+/-0.239 χ^2/NDF: 461010.0/44



Right In: 159.566+/-216.904 χ^2/NDF: 14.6/18

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

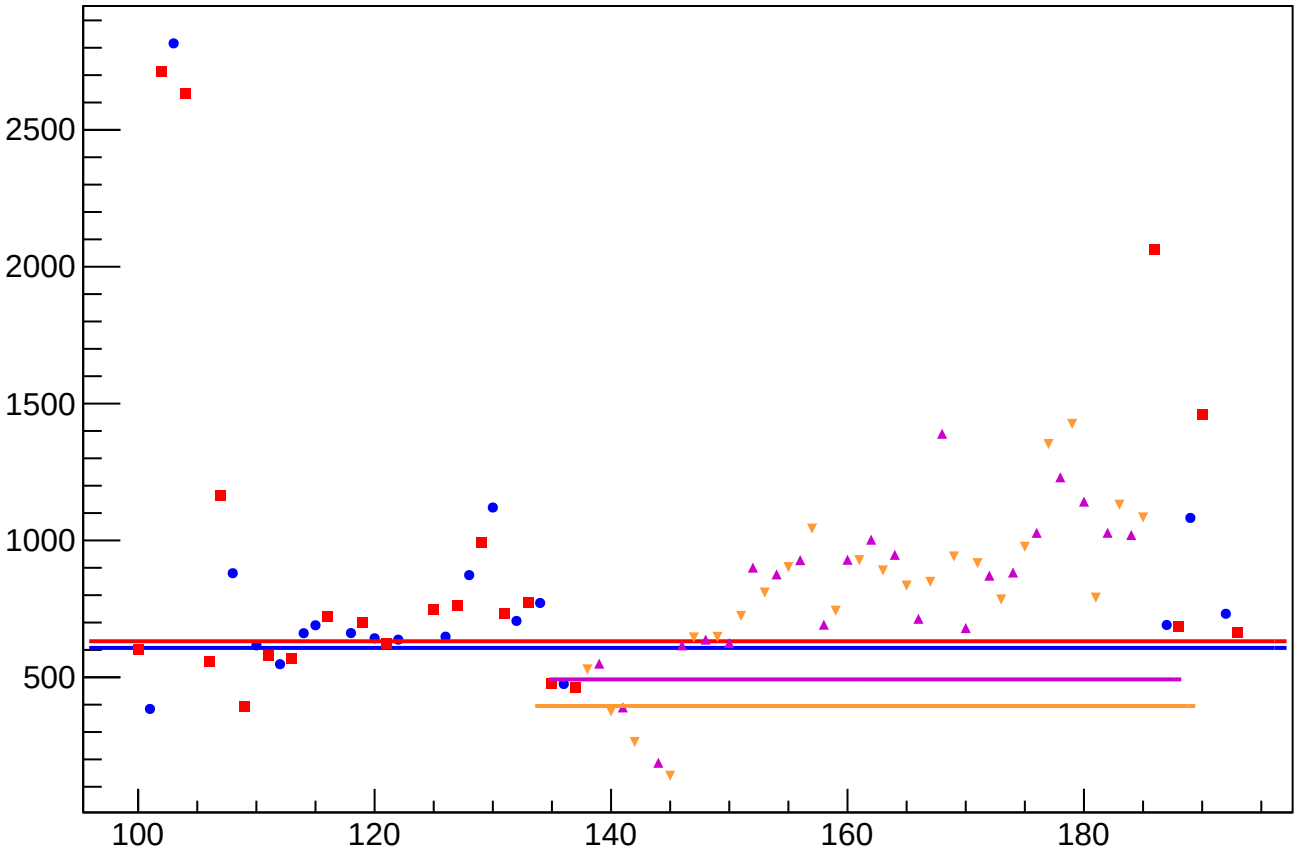
Right Out: 223.577+/-221.216 χ^2/NDF: 21.4/21

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 50.913+/-104.554 χ^2/NDF: 34.4/42

All: 16.695+/-77.832 χ^2/NDF: 74.2/87

- sign -25.836+/-116.565 χ^2/NDF: 39.6/44



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: 631.632+/-0.156 χ^2/NDF: 2833733.7/21

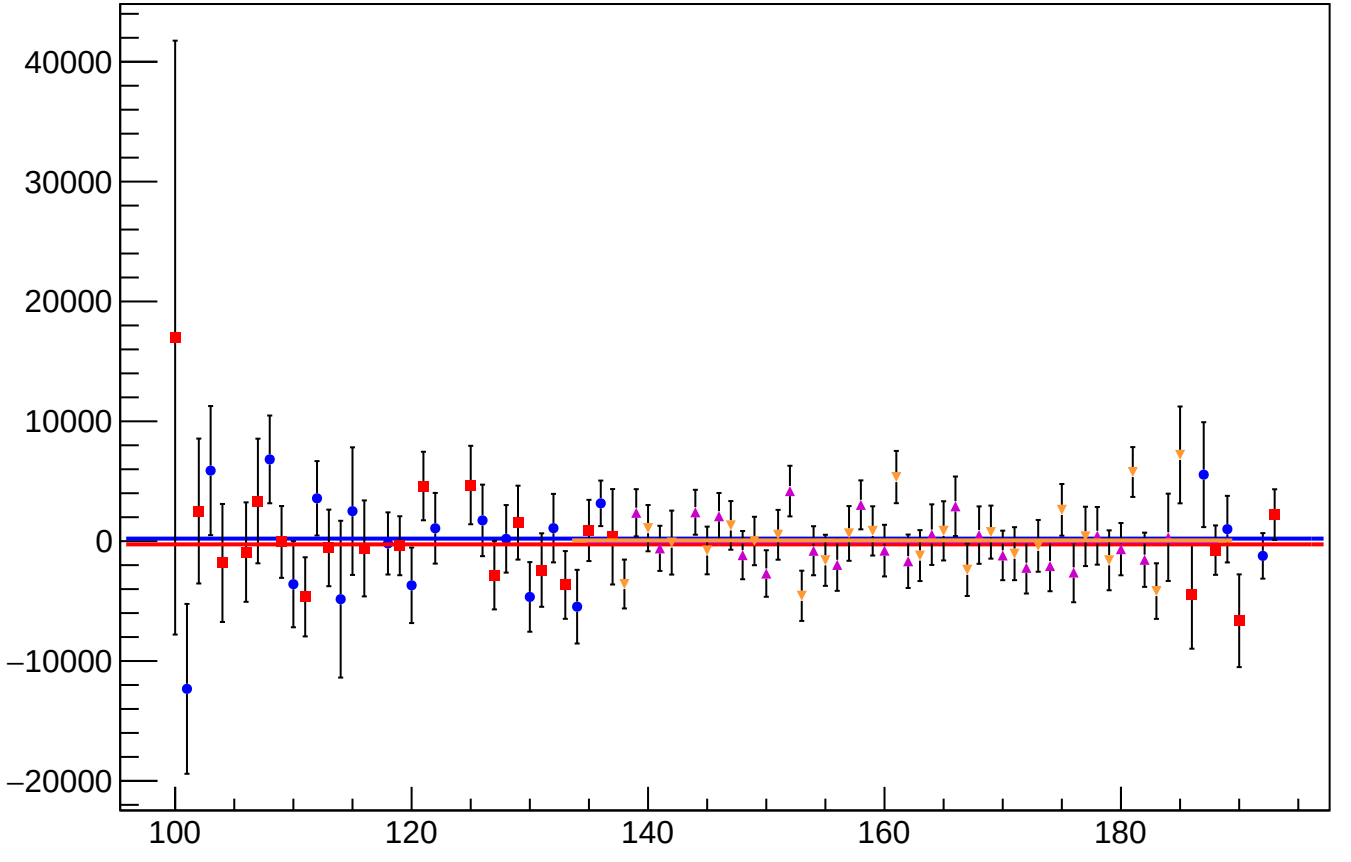
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 444.478+/-0.074 χ^2/NDF: 17841244.4/42

All: 483.045+/-0.055 χ^2/NDF: 32278036.7/87

- sign 530.982+/-0.082 χ^2/NDF: 13826412.0/44

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: -267.376+/-680.166 χ^2/NDF: 16.6/21

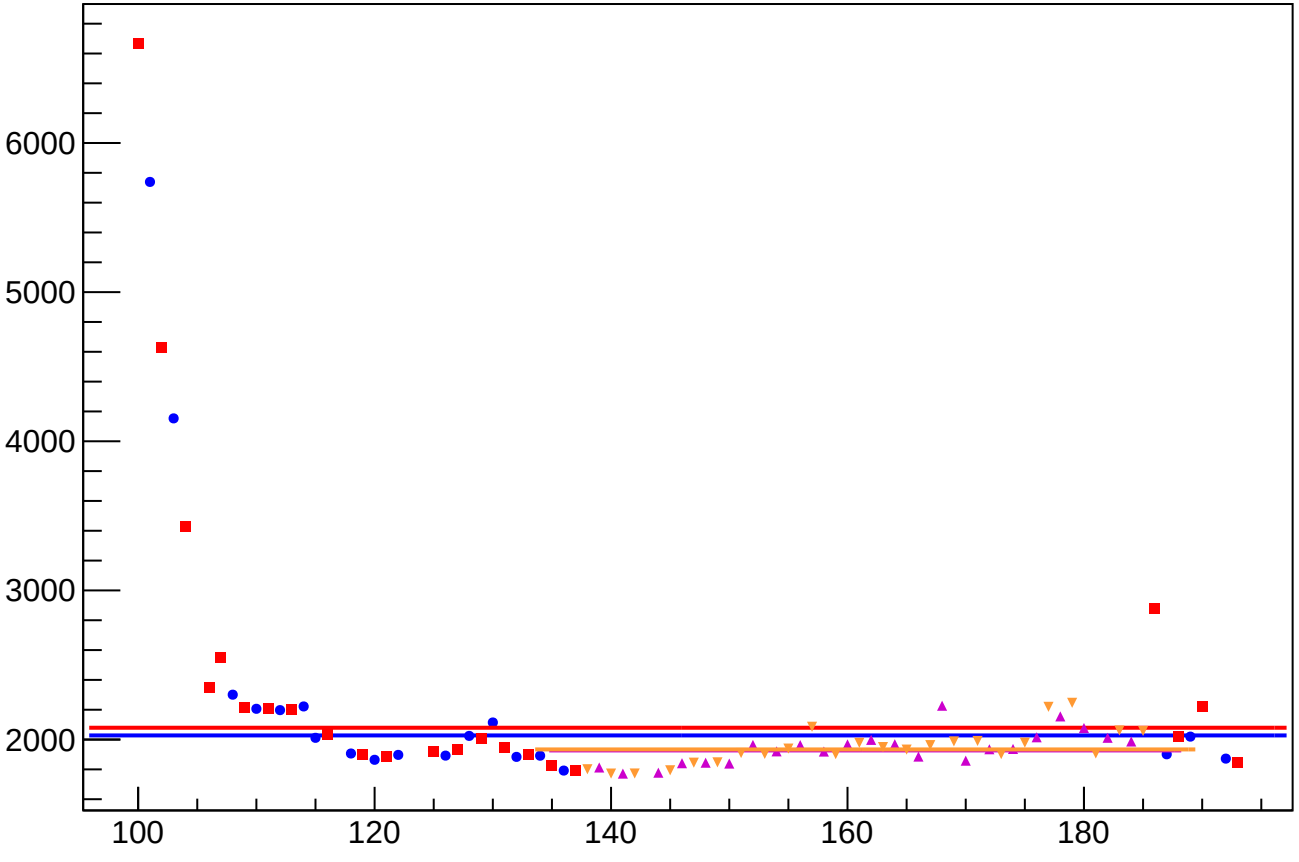
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 109.692+/-378.013 χ^2/NDF: 56.9/42

All: 4.532+/-266.487 χ^2/NDF: 93.8/87

- sign -99.364+/-375.735 χ^2/NDF: 36.7/44

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

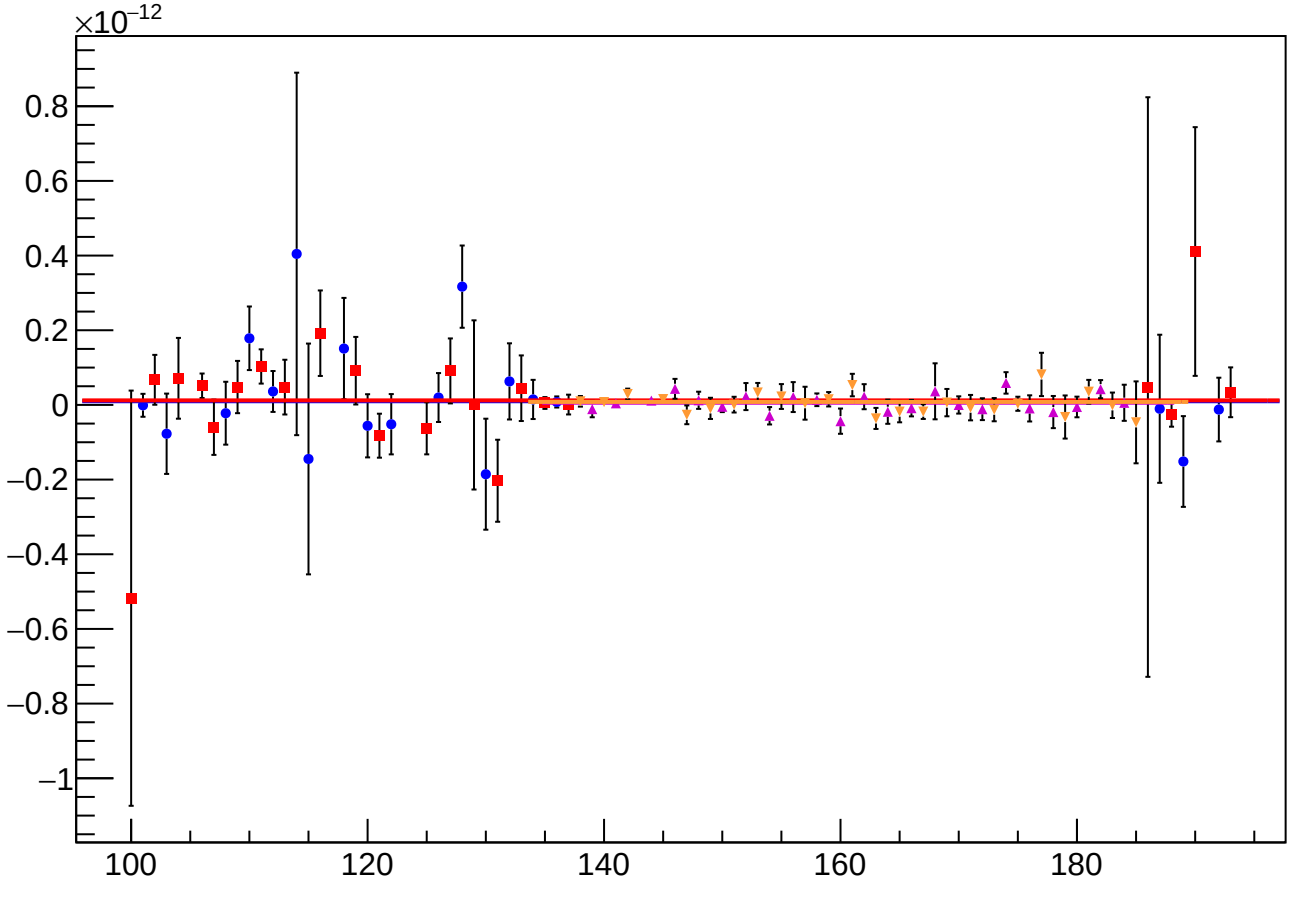
Right Out: 2079.236+/-0.481 χ^2/NDF: 773887.1/21

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1961.369+/-0.267 χ^2/NDF: 1112309.5/42

All: 1967.494+/-0.188 χ^2/NDF: 2073179.7/87

- sign 1973.544+/-0.266 χ^2/NDF: 959826.6/44



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

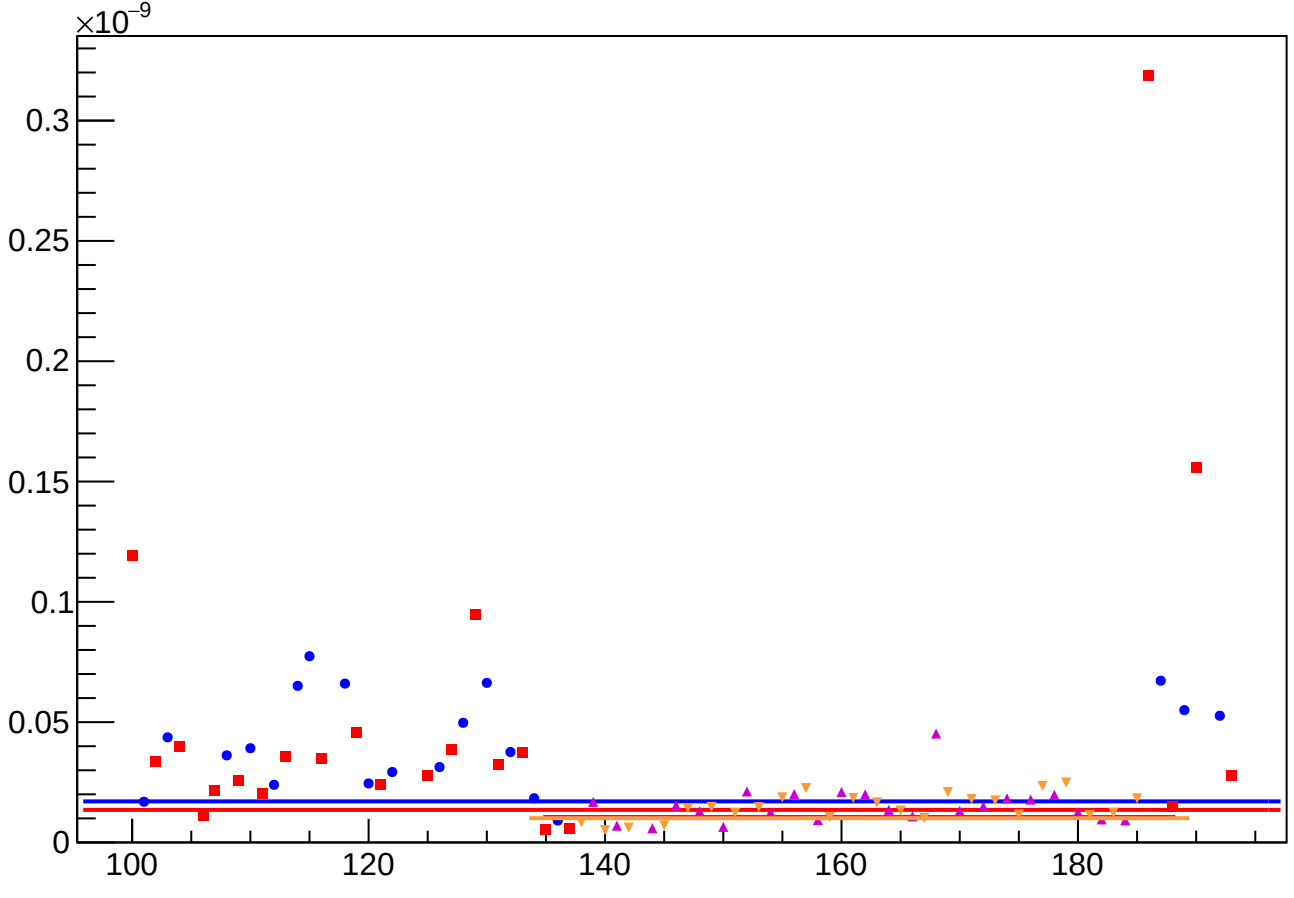
Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/21

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: 78.2/87

- sign 0.000+/-0.000 χ^2/NDF: 40.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 2626672.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

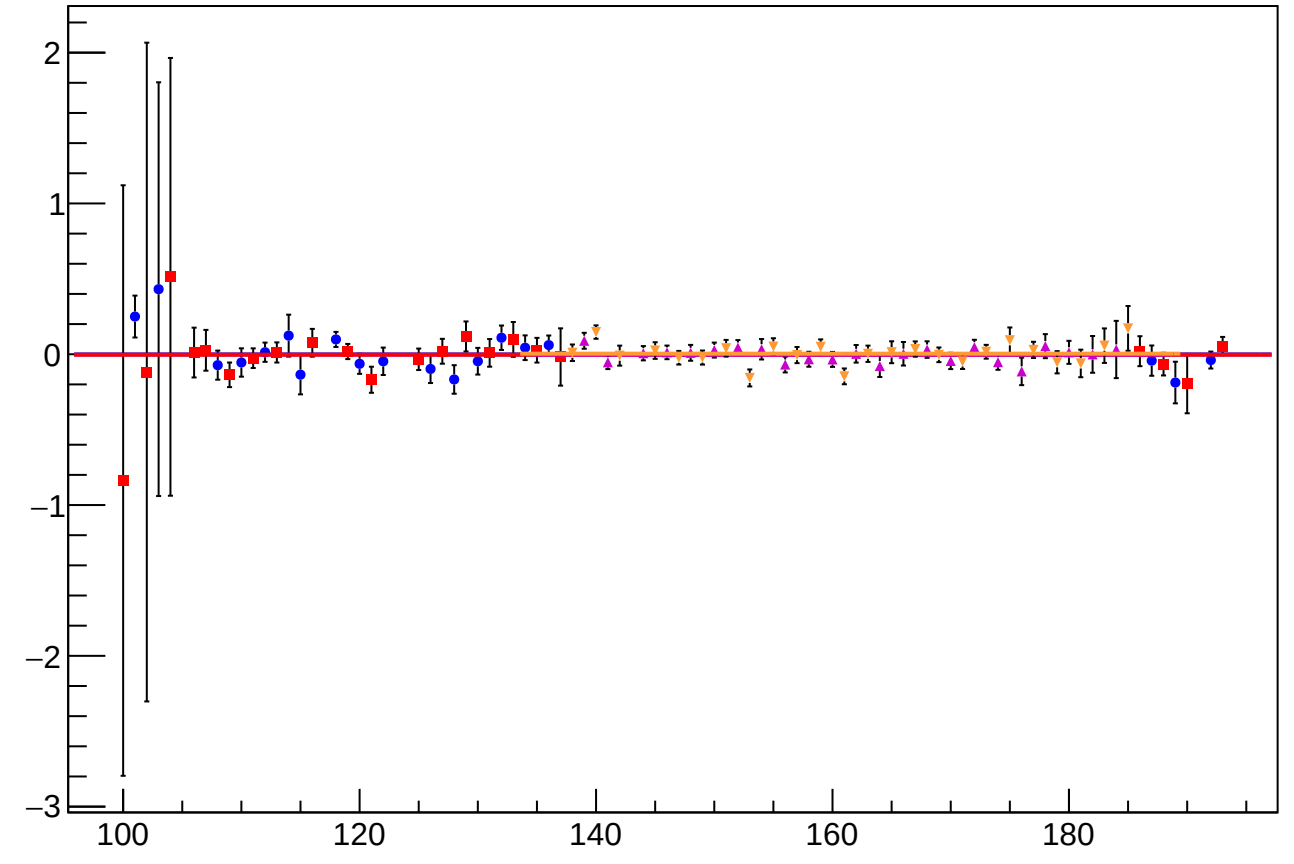
Right Out: 0.000+/-0.000 χ^2/NDF: 3266491.5/21

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: 11545198.8/87

- sign 0.000+/-0.000 χ^2/NDF: 5989476.8/44



Right In: -0.001+/-0.019 χ^2/NDF: 21.2/18

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

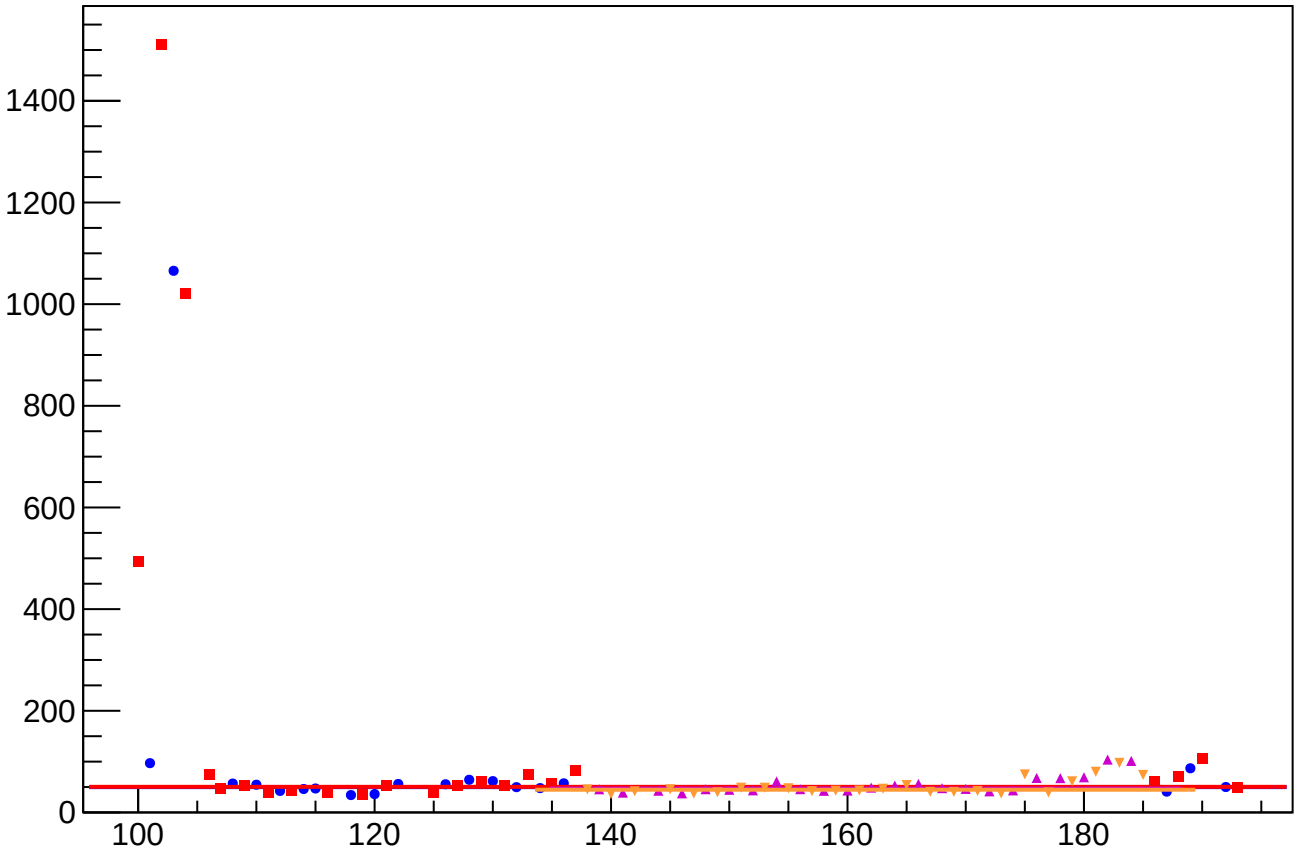
Right Out: -0.003+/-0.019 χ^2/NDF: 13.1/21

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 56.3/42

All: -0.000+/-0.007 χ^2/NDF: 84.0/87

- sign -0.003+/-0.010 χ^2/NDF: 27.6/44



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: 50.389+/-0.014 χ^2/NDF: 2781797.2/21

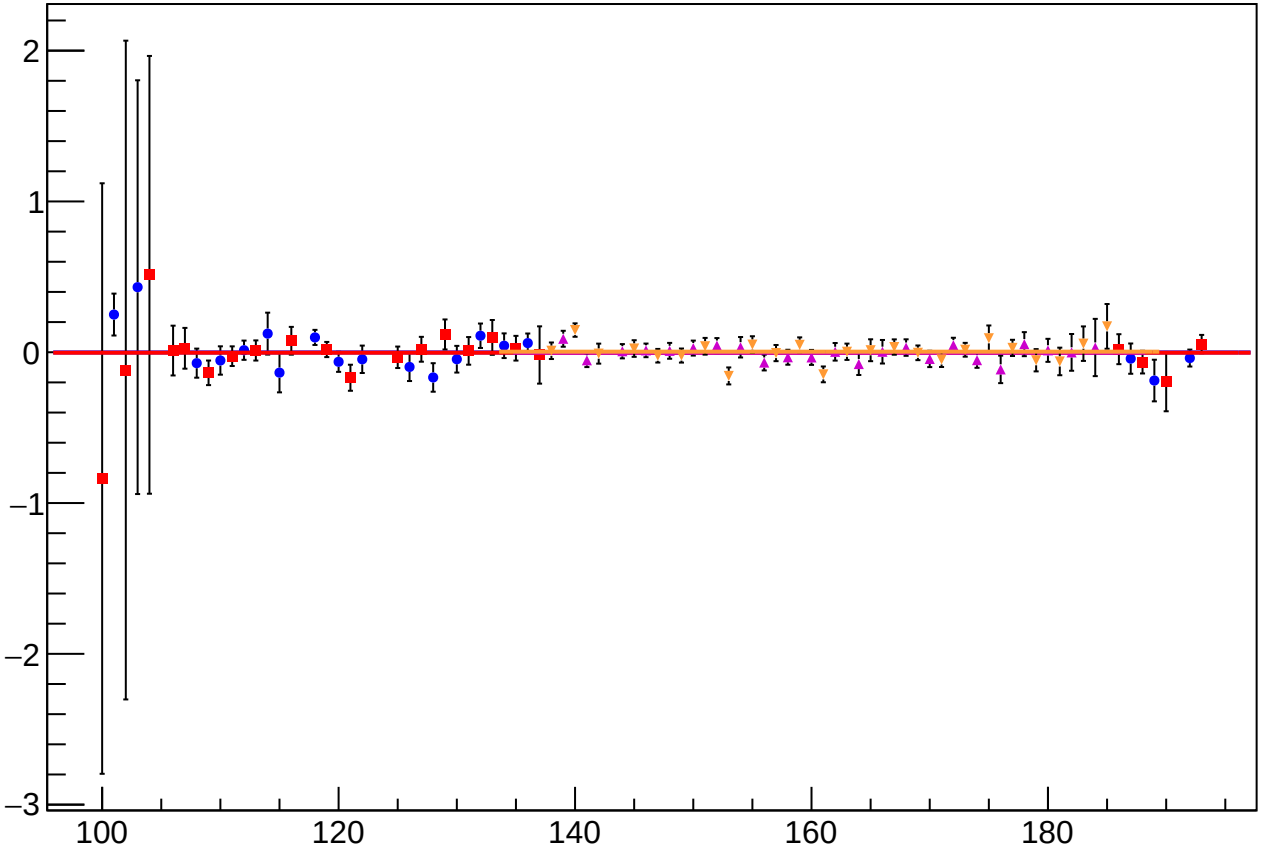
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 46.092+/-0.007 χ^2/NDF: 3524176.5/42

All: 47.009+/-0.005 χ^2/NDF: 7769004.6/87

- sign 47.976+/-0.007 χ^2/NDF: 4209264.0/44

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

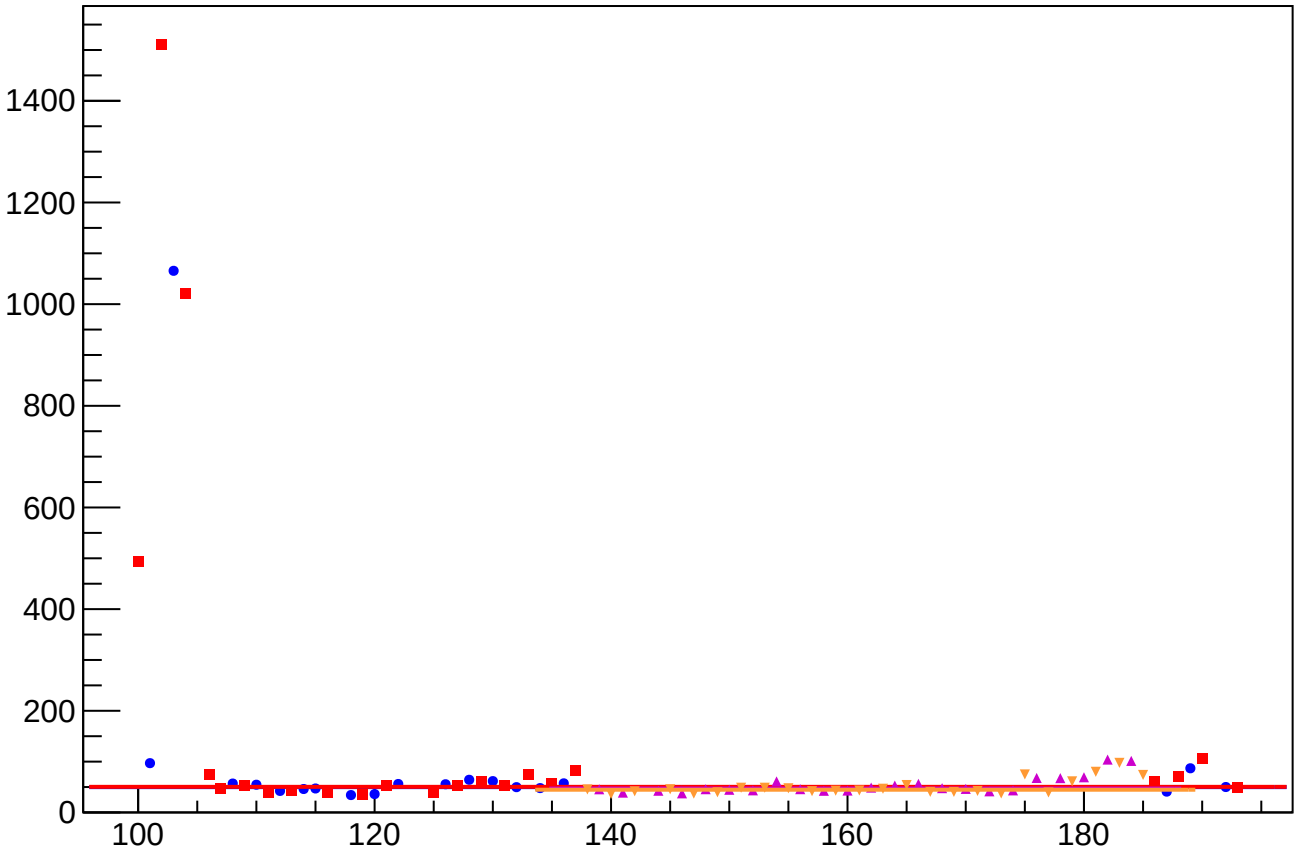
Right Out: -0.003+/-0.019 χ^2/NDF: 13.1/21

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 56.3/42

All: -0.000+/-0.007 χ^2/NDF: 84.0/87

- sign -0.003+/-0.010 χ^2/NDF: 27.6/44



Right In: 49.831+/-0.013 χ^2/NDF: 1938074.5/18

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

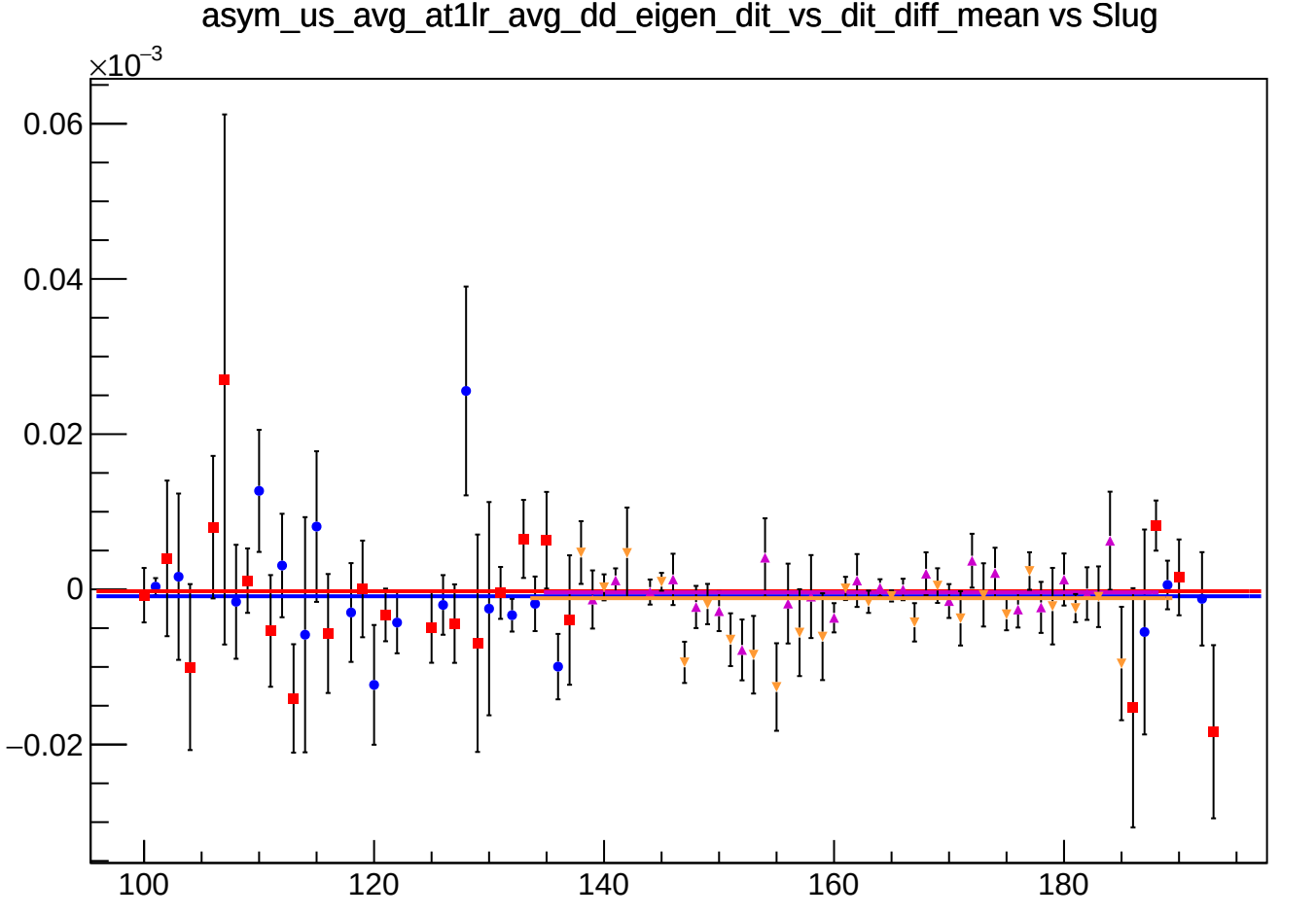
Right Out: 50.389+/-0.014 χ^2/NDF: 2781797.2/21

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 46.092+/-0.007 χ^2/NDF: 3524176.5/42

All: 47.009+/-0.005 χ^2/NDF: 7769004.6/87

- sign 47.976+/-0.007 χ^2/NDF: 4209264.0/44



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

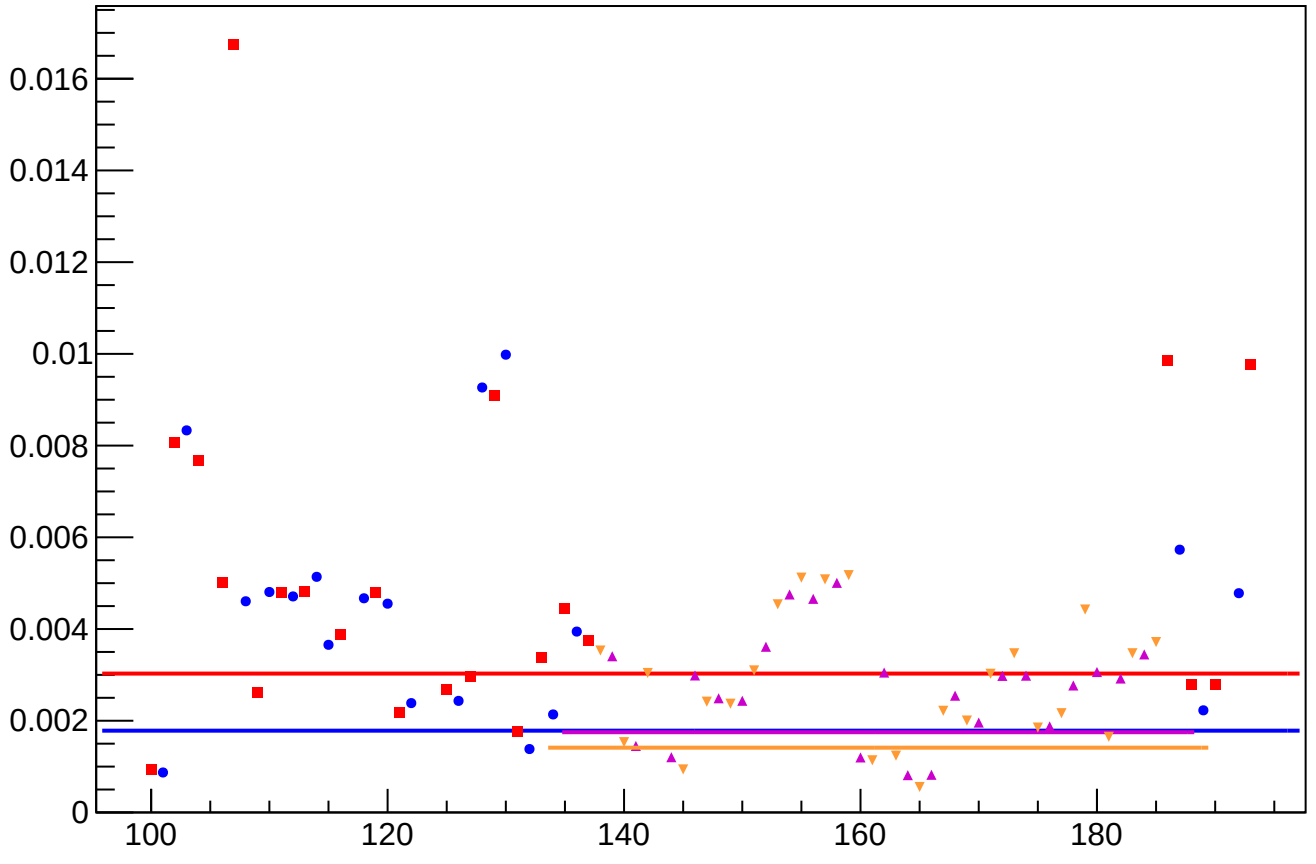
Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/21

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: 96.7/87

- sign -0.000+/-0.000 χ^2/NDF: 40.3/44



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: 4524124.0/21

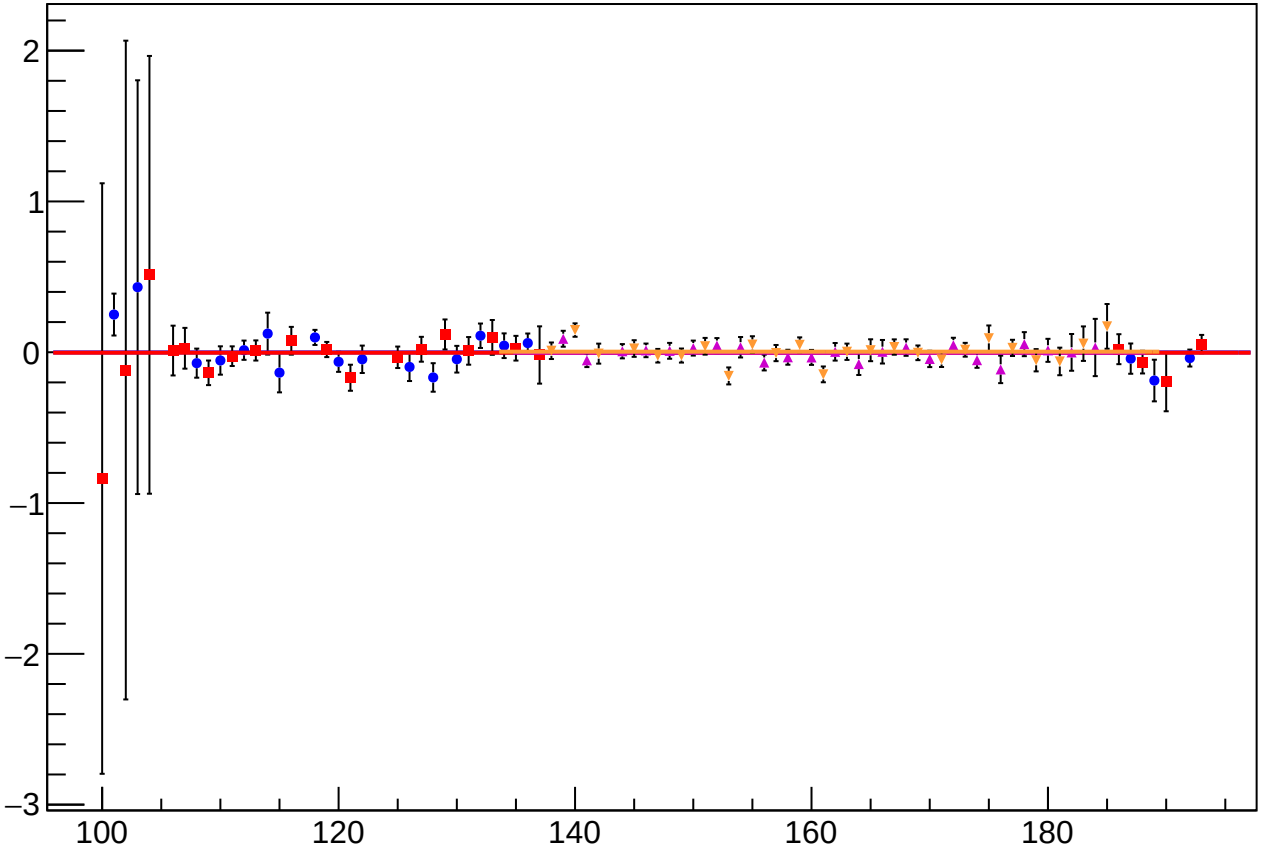
Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 18638328.0/42

All: 0.002+/-0.000 χ^2/NDF: 34711190.0/87

- sign 0.002+/-0.000 χ^2/NDF: 14843789.0/44

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

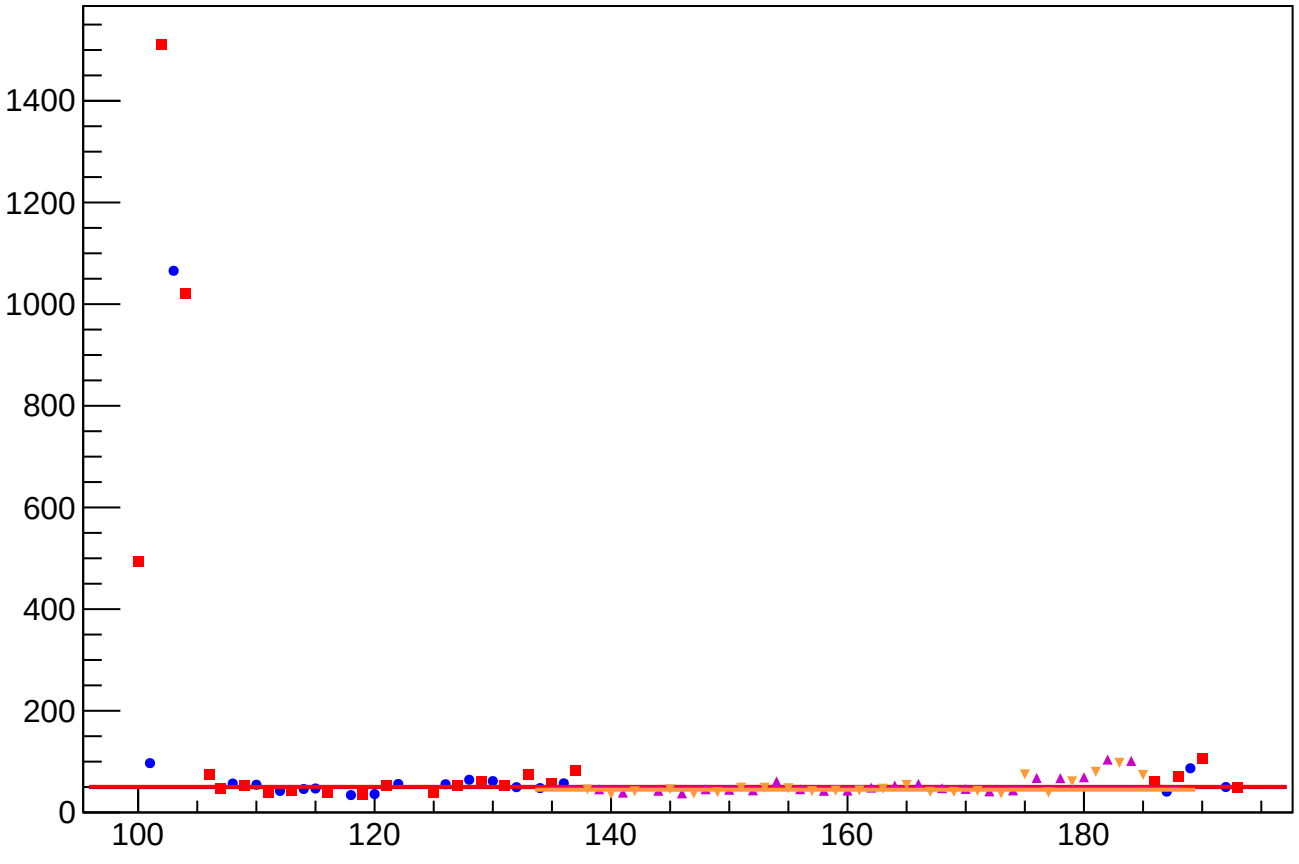
Right Out: -0.003+/-0.019 χ^2/NDF: 13.1/21

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 56.3/42

All: -0.000+/-0.007 χ^2/NDF: 84.0/87

- sign -0.003+/-0.010 χ^2/NDF: 27.6/44



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: 50.389+/-0.014 χ^2/NDF: 2781844.5/21

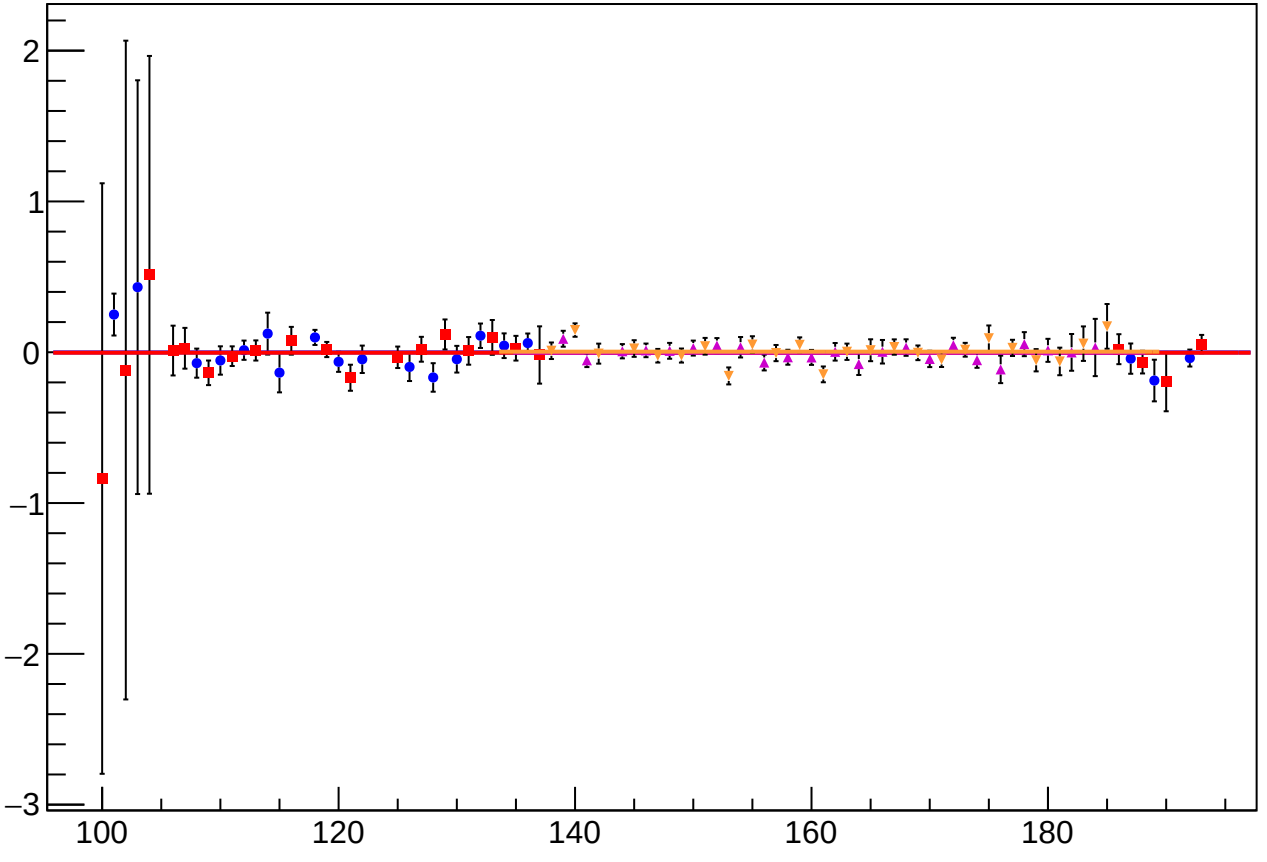
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 46.092+/-0.007 χ^2/NDF: 3524075.5/42

All: 47.009+/-0.005 χ^2/NDF: 7768986.2/87

- sign 47.976+/-0.007 χ^2/NDF: 4209364.3/44

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

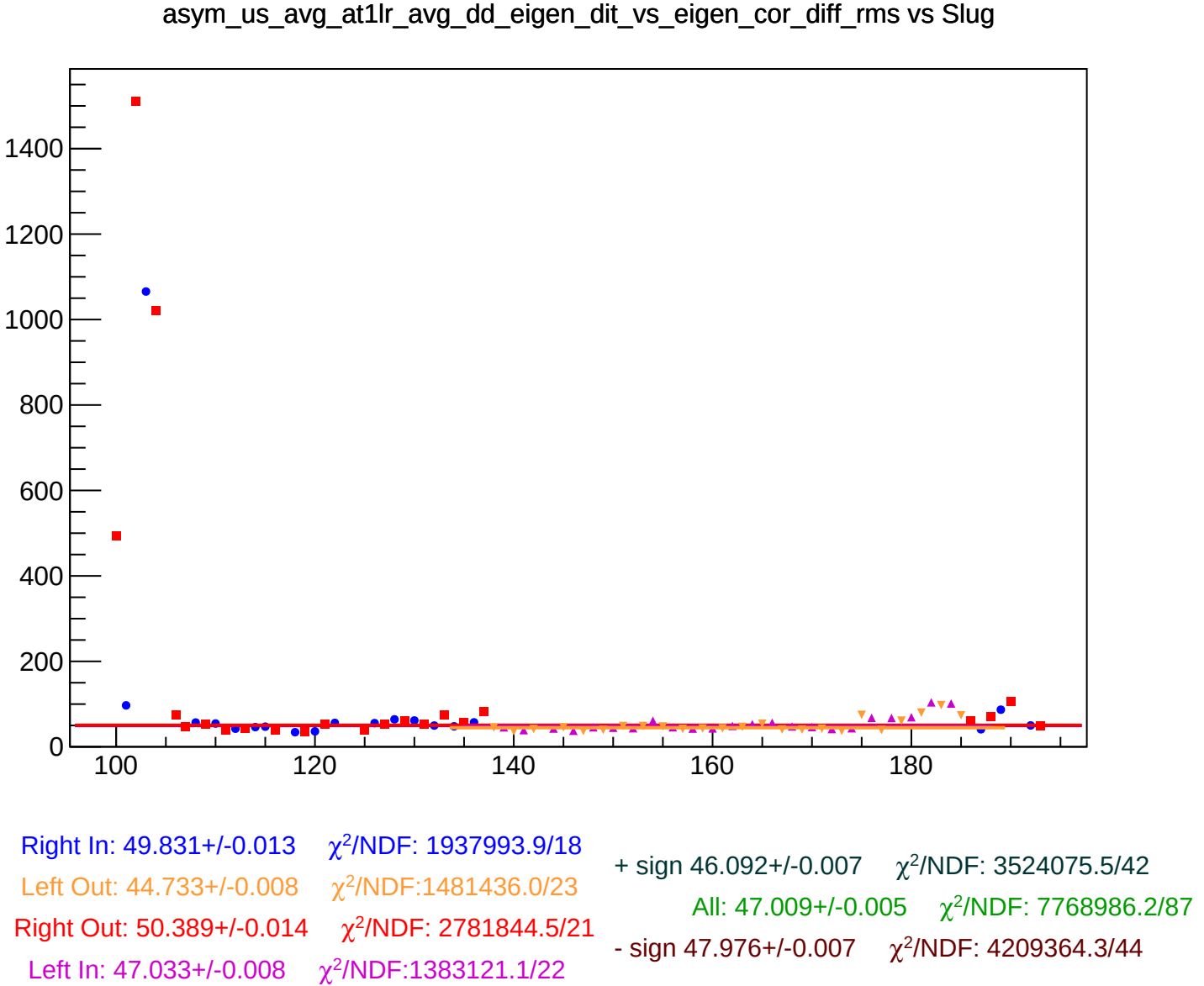
Right Out: -0.003+/-0.019 χ^2/NDF: 13.1/21

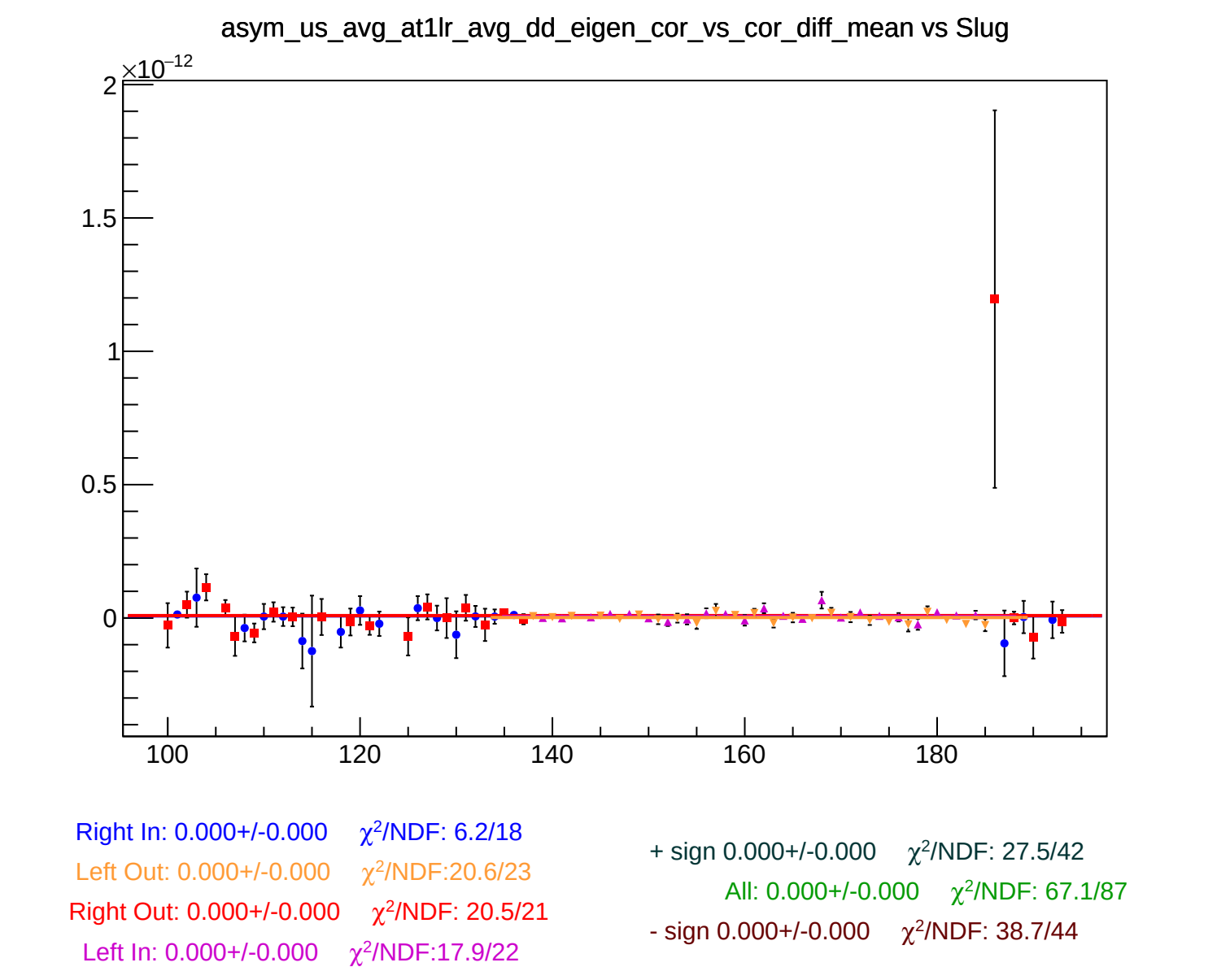
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

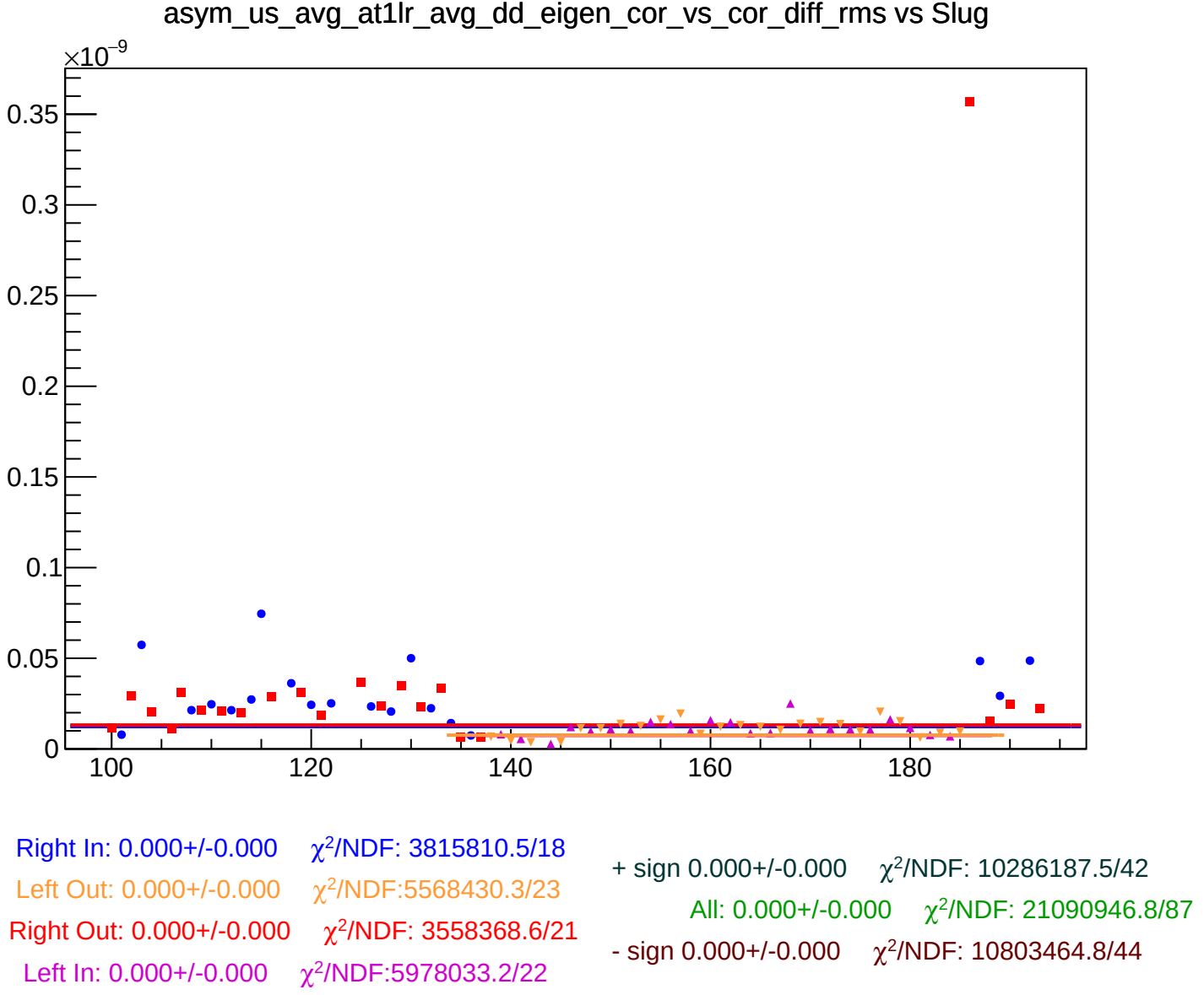
+ sign 0.002+/-0.010 χ^2/NDF: 56.3/42

All: -0.000+/-0.007 χ^2/NDF: 84.0/87

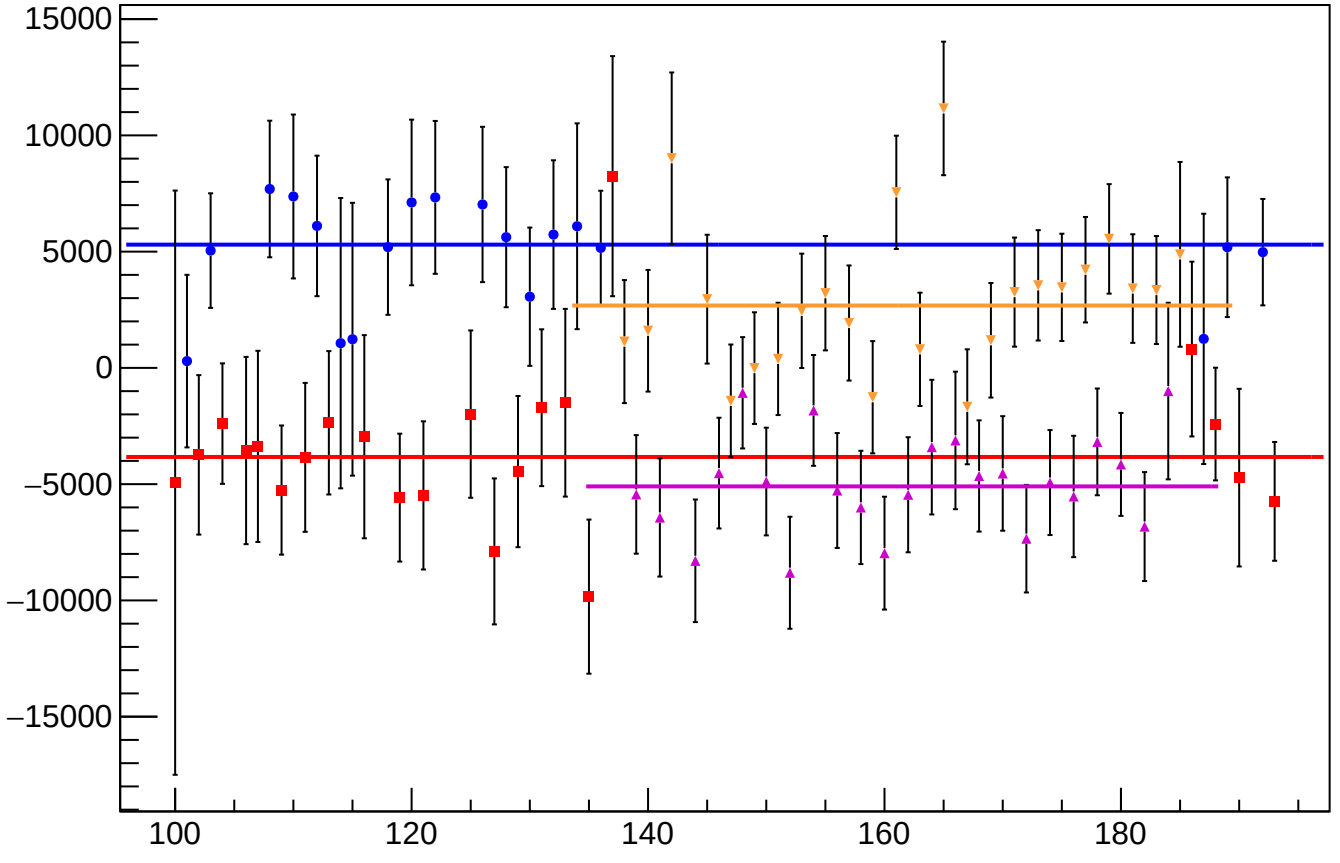
- sign -0.003+/-0.010 χ^2/NDF: 27.6/44


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: 50.389+/-0.014 χ²/NDF: 2781844.5/21
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
+ sign 46.092+/-0.007 χ²/NDF: 3524075.5/42
All: 47.009+/-0.005 χ²/NDF: 7768986.2/87
- sign 47.976+/-0.007 χ²/NDF: 4209364.3/44


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1.5
1
0.5
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 6.2/18
Left Out: 0.000+/-0.000 χ²/NDF:20.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 20.5/21
Left In: 0.000+/-0.000 χ²/NDF:17.9/22
+ sign 0.000+/-0.000 χ²/NDF: 27.5/42
All: 0.000+/-0.000 χ²/NDF: 67.1/87
- sign 0.000+/-0.000 χ²/NDF: 38.7/44


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: 3558368.6/21
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: 21090946.8/87
- sign 0.000+/-0.000 χ²/NDF: 10803464.8/44

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: -3830.354+/-708.758 χ^2/NDF: 15.5/21

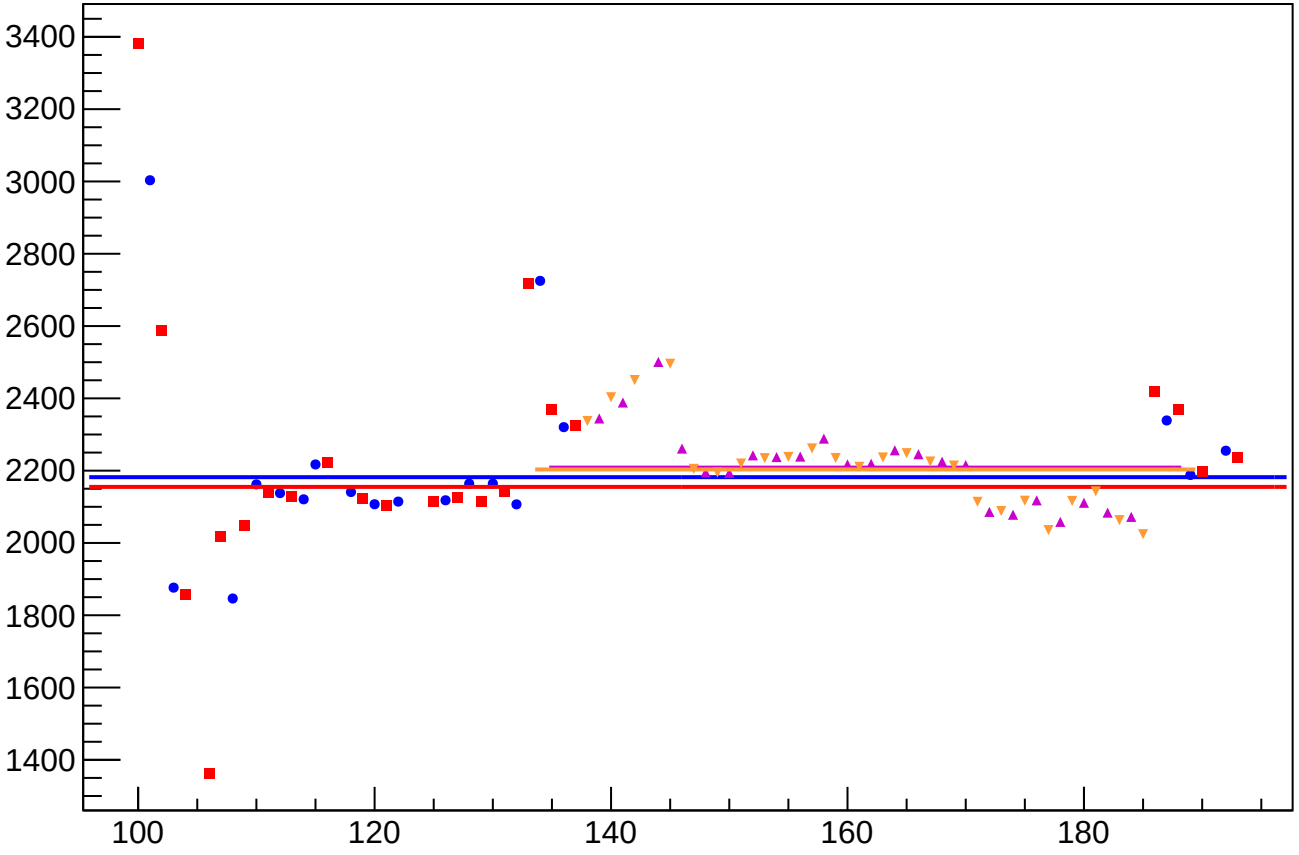
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3538.242+/-420.133 χ^2/NDF: 45.4/42

All: -587.592+/-296.065 χ^2/NDF: 269.4/87

- sign -4657.577+/-417.279 χ^2/NDF: 32.5/44

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

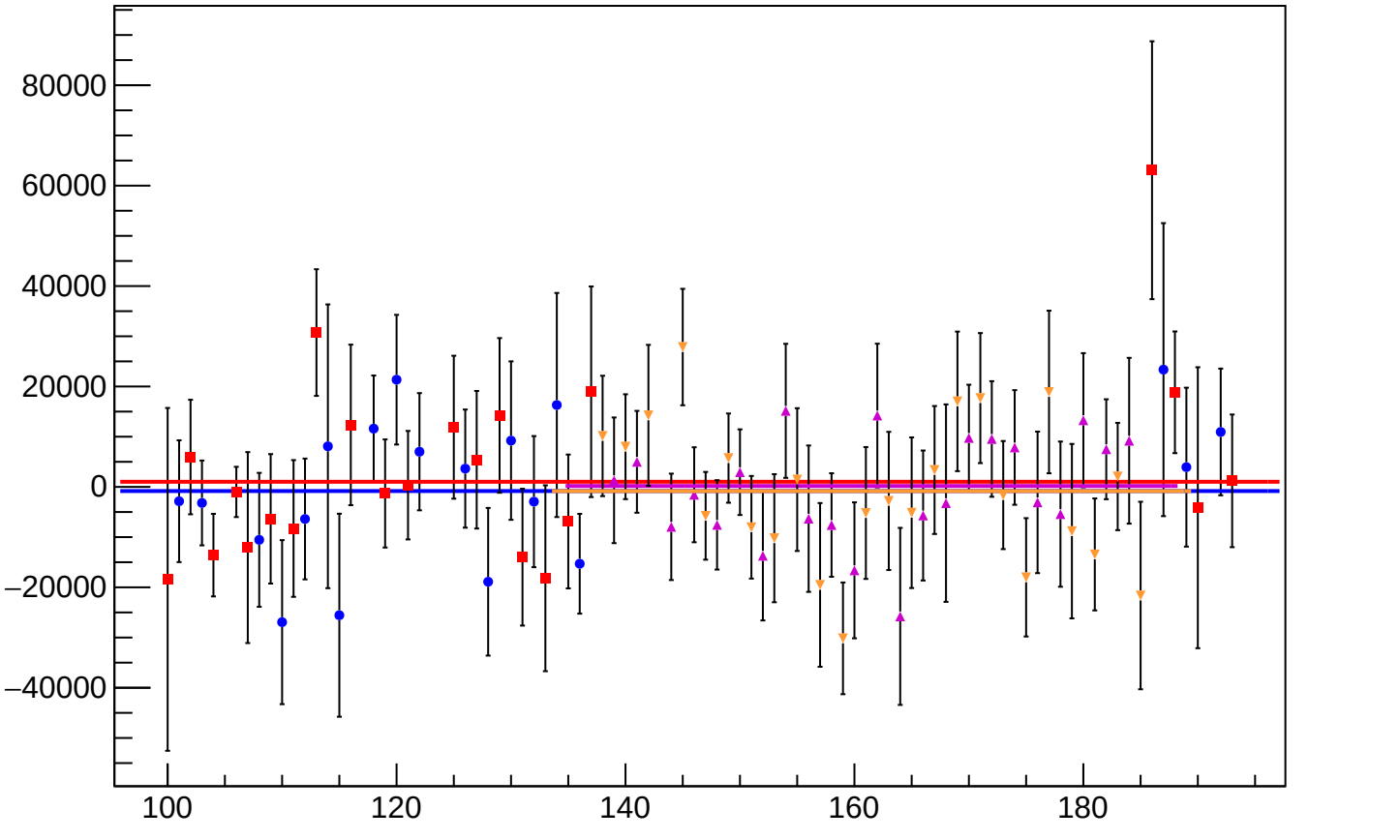
Right Out: 2155.074+/-0.495 χ^2/NDF: 301349.0/21

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

\+ sign 2196.328+/-0.297 χ^2/NDF: 289289.3/42

All: 2192.928+/-0.209 χ^2/NDF: 679402.9/87

\- sign 2189.603+/-0.294 χ^2/NDF: 389854.5/44



Right In: -823.046+/-3037.670 χ^2/NDF: 16.2/18

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

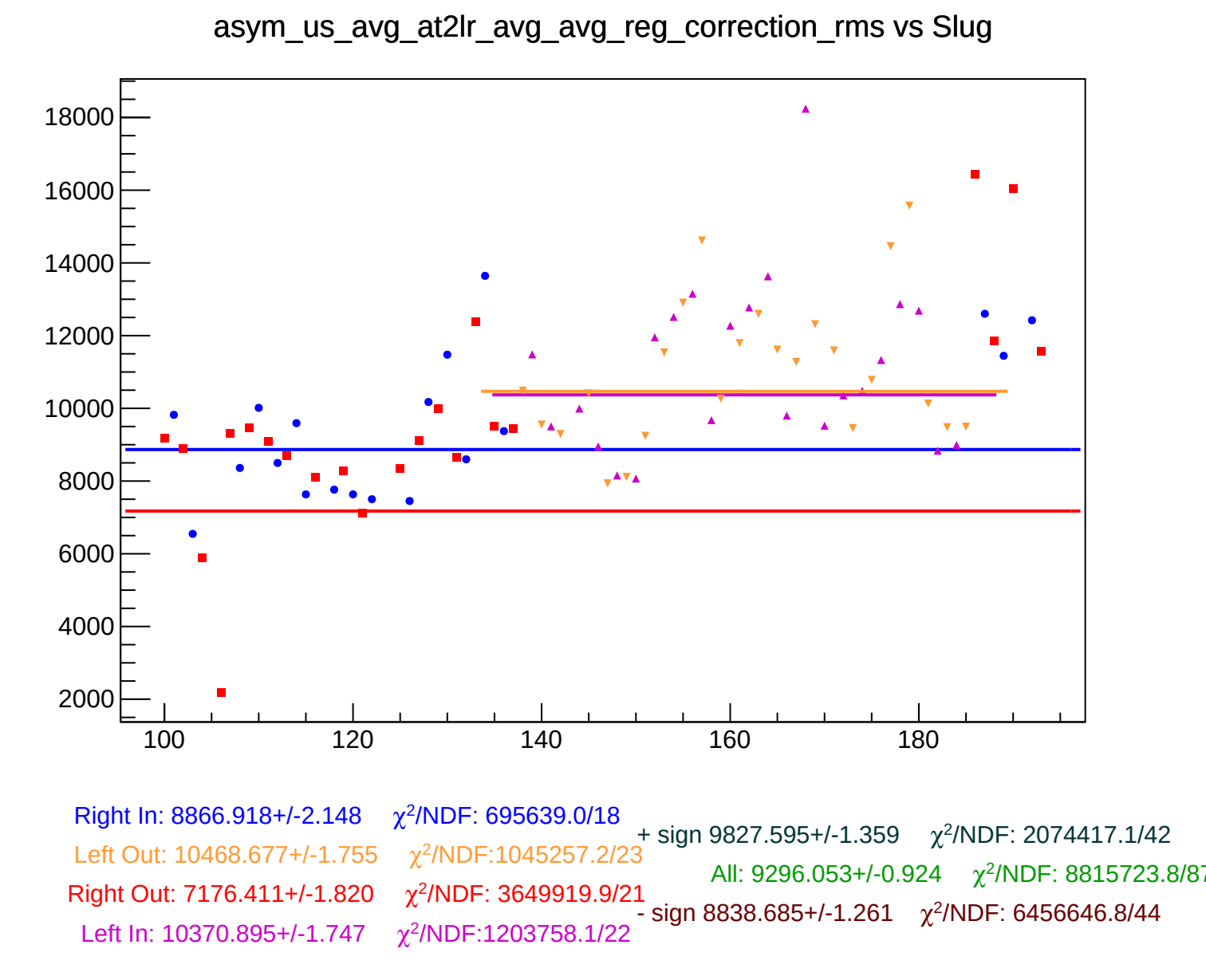
Right Out: 1026.072+/-2573.974 χ^2/NDF: 24.0/21

Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

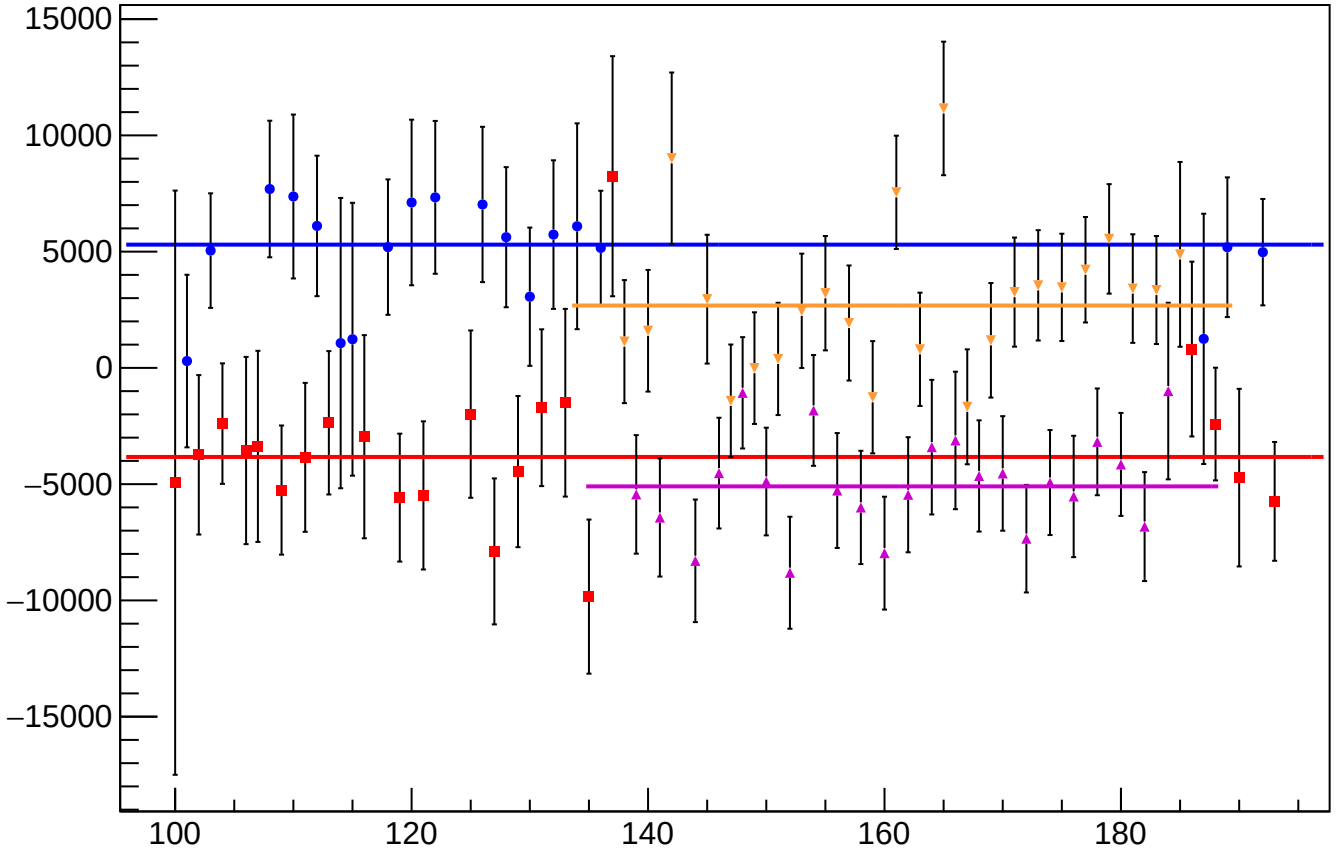
+ sign -829.307+/-1921.759 χ^2/NDF: 45.7/42

All: -67.998+/-1306.933 χ^2/NDF: 83.8/87

- sign 587.075+/-1782.637 χ^2/NDF: 37.8/44


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: 7176.411+/-1.820 χ²/NDF: 3649919.9/21
Left In: 10370.895+/-1.747 χ²/NDF:1203758.1/22
+ sign 9827.595+/-1.359 χ²/NDF: 2074417.1/42
All: 9296.053+/-0.924 χ²/NDF: 8815723.8/87
- sign 8838.685+/-1.261 χ²/NDF: 6456646.8/44

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: -3830.158+/-708.758 χ^2/NDF: 15.5/21

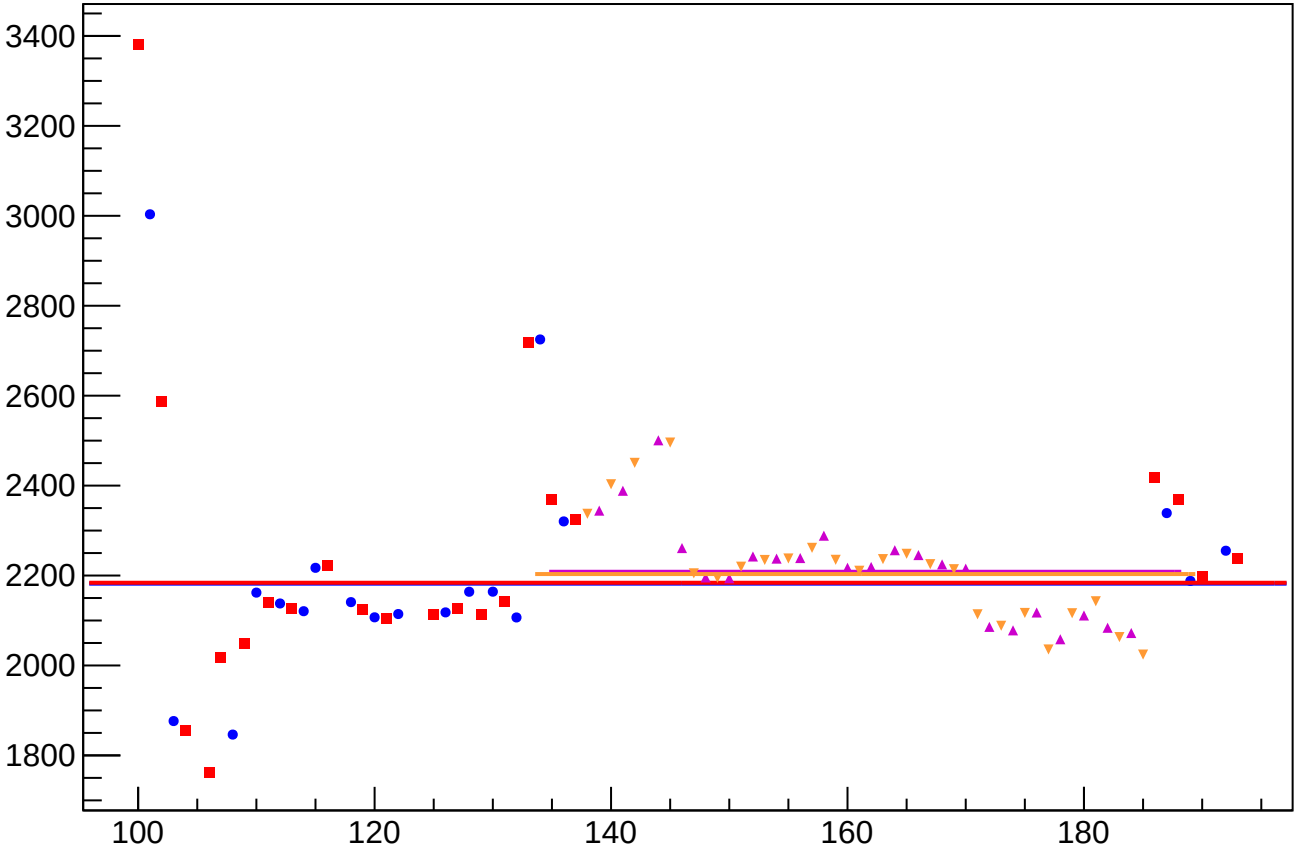
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3538.239+/-420.133 χ^2/NDF: 45.4/42

All: -587.529+/-296.065 χ^2/NDF: 269.4/87

- sign -4657.448+/-417.279 χ^2/NDF: 32.5/44

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

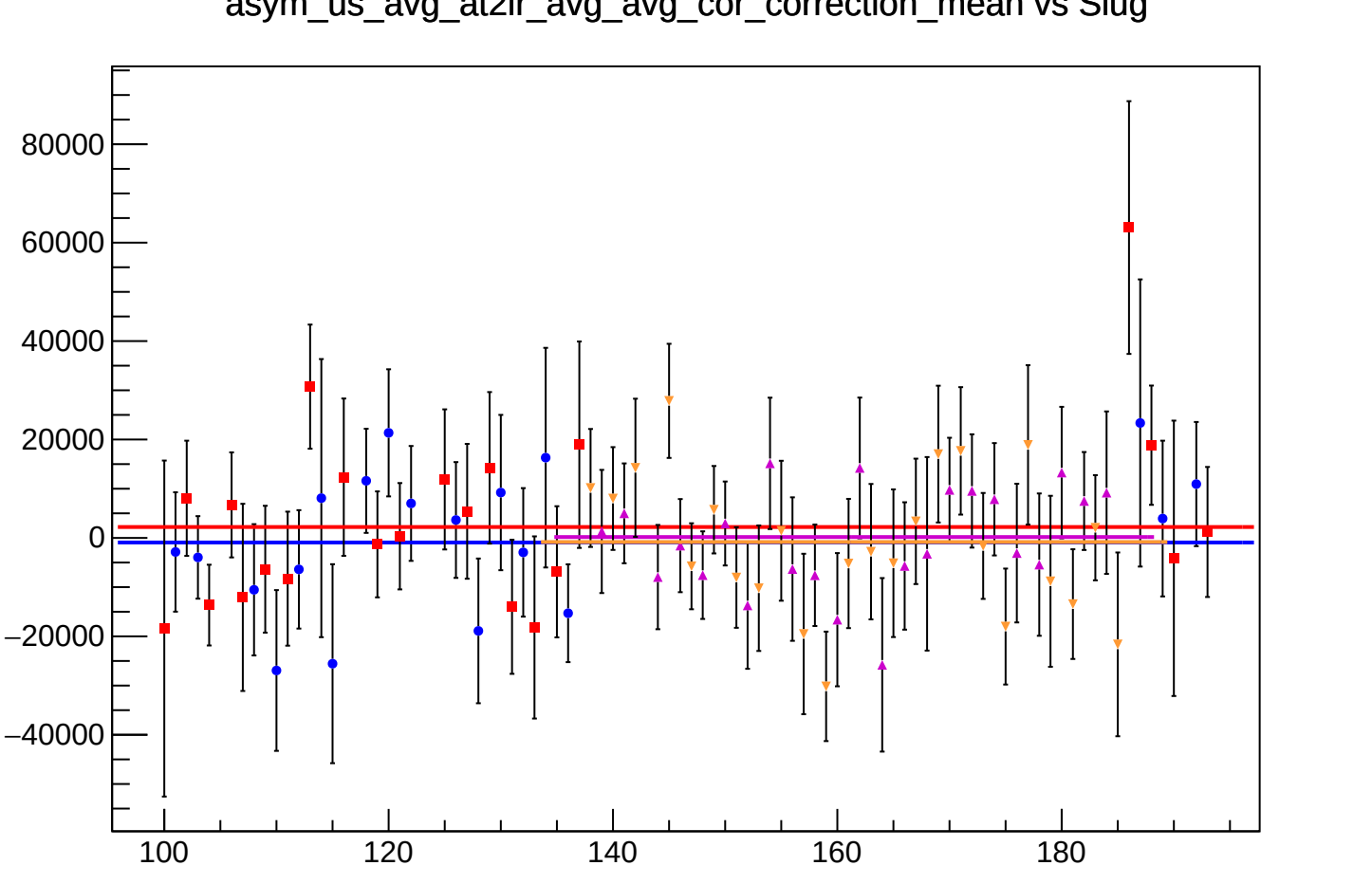
Right Out: 2183.937+/-0.499 χ^2/NDF: 182244.1/21

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

\+ sign 2196.328+/-0.297 χ^2/NDF: 289289.7/42

All: 2198.111+/-0.209 χ^2/NDF: 554161.4/87

\- sign 2199.865+/-0.295 χ^2/NDF: 264800.3/44



Right In: -927.861+/-3034.651 χ^2/NDF: 16.3/18

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

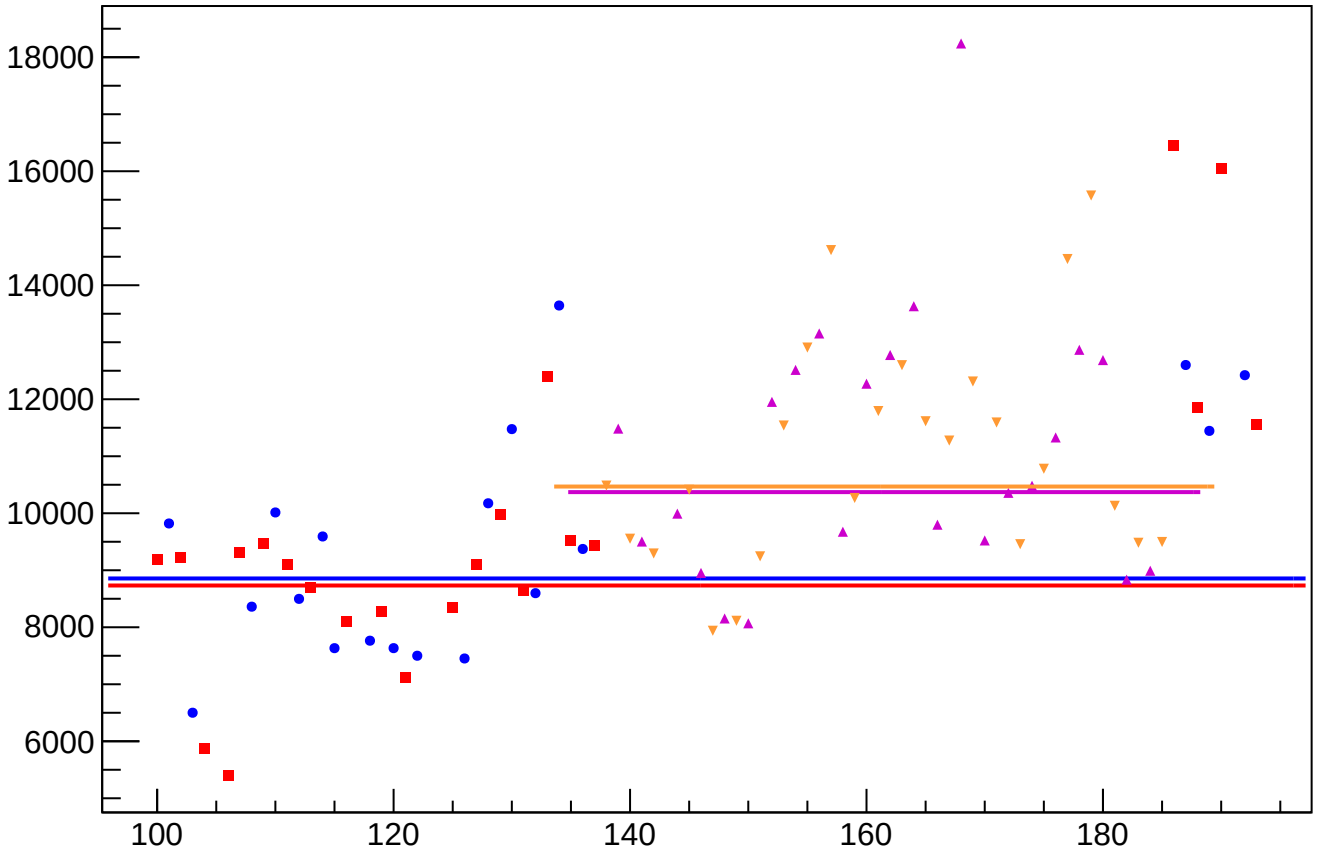
Right Out: 2219.966+/-2894.080 χ^2/NDF: 24.2/21

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -871.287+/-1920.994 χ^2/NDF: 45.8/42

All: 106.117+/-1343.368 χ^2/NDF: 84.5/87

- sign 1041.563+/-1879.310 χ^2/NDF: 38.2/44



Right In: 8856.089+/-2.146 χ^2/NDF: 704212.3/18

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

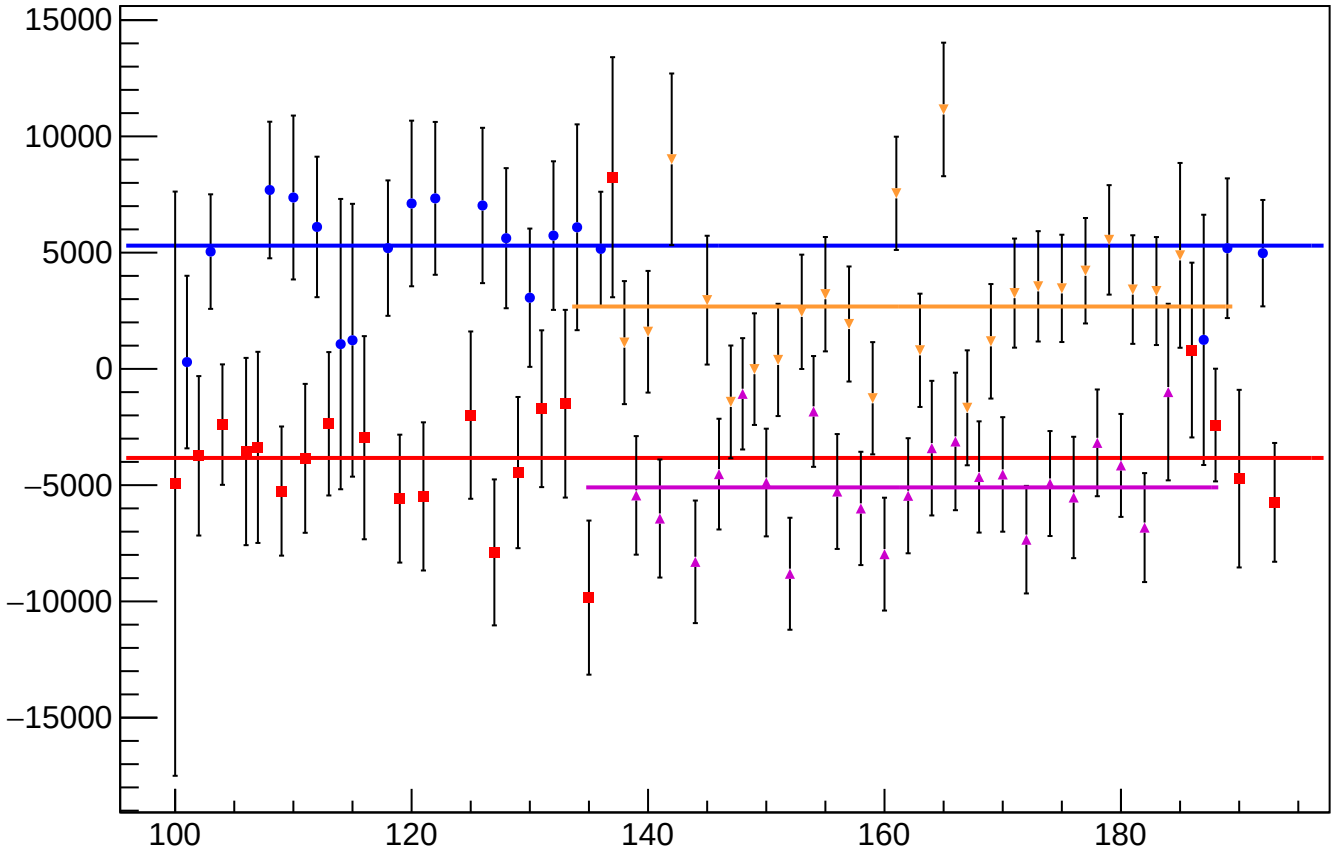
Right Out: 8732.648+/-2.046 χ^2/NDF: 1147965.8/21

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9822.490+/-1.358 χ^2/NDF: 2087919.6/42

All: 9749.726+/-0.950 χ^2/NDF: 4815891.9/87

- sign 9680.085+/-1.329 χ^2/NDF: 2722356.3/44



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: -3830.158+/-708.758 χ^2/NDF: 15.5/21

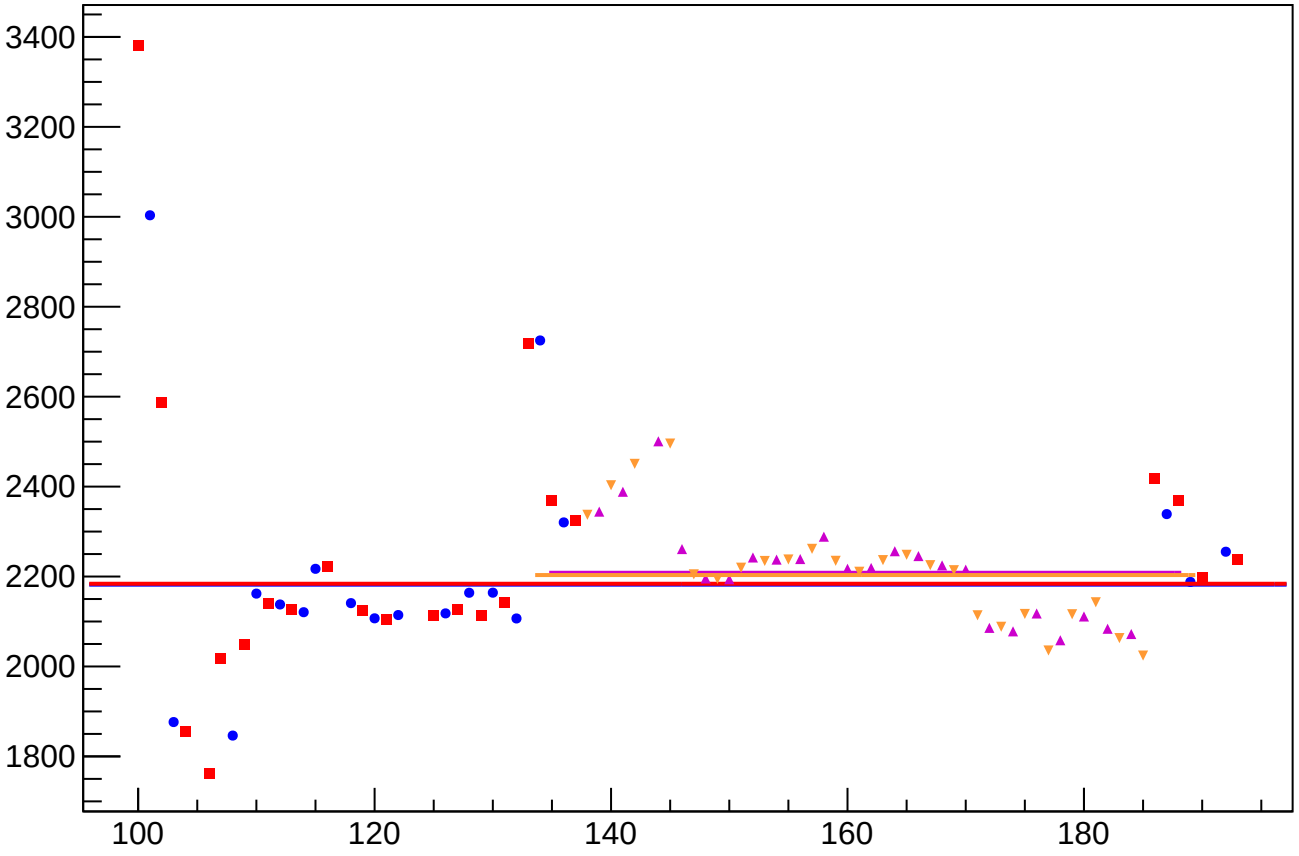
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3538.239+/-420.133 χ^2/NDF: 45.4/42

All: -587.529+/-296.065 χ^2/NDF: 269.4/87

- sign -4657.448+/-417.279 χ^2/NDF: 32.5/44

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

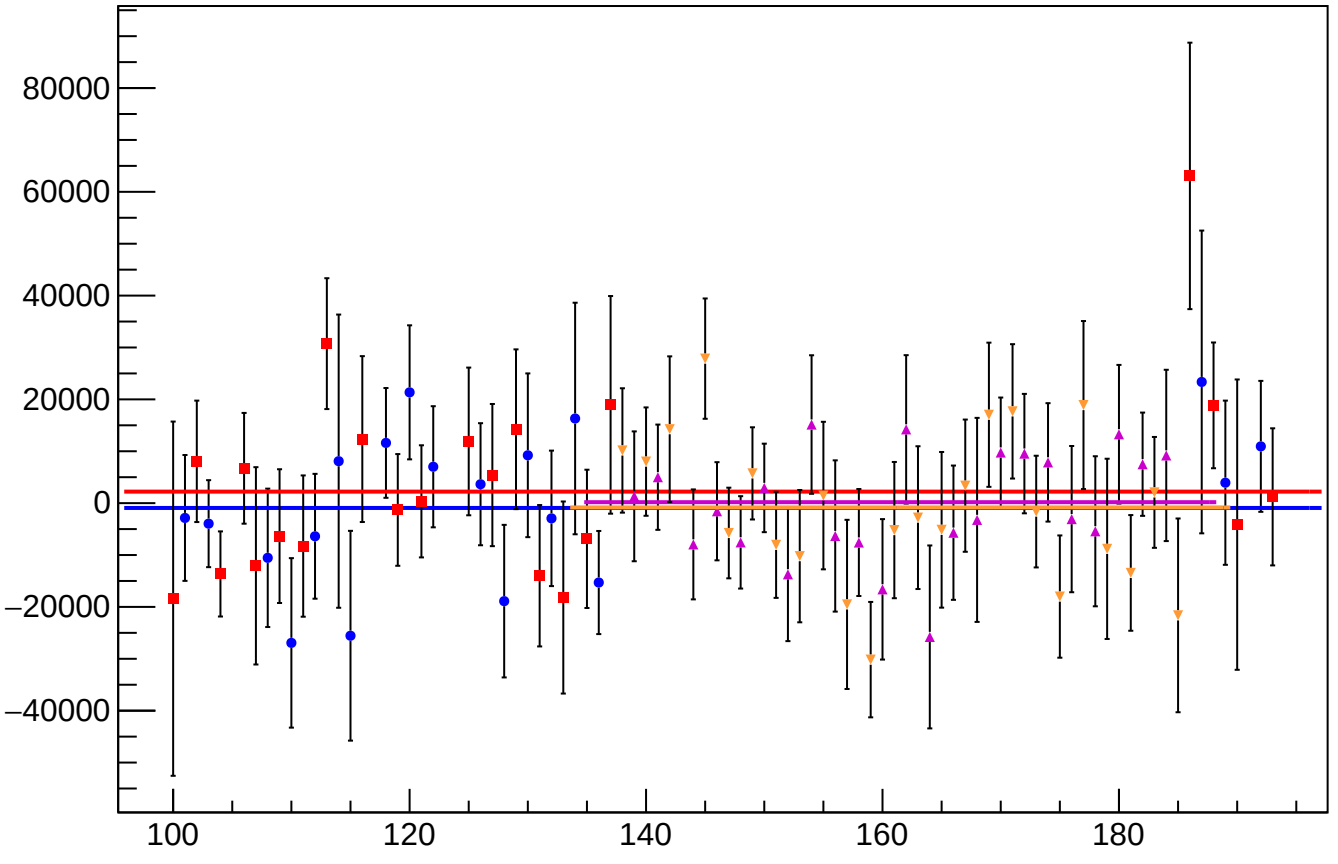
Right Out: 2183.937+/-0.499 χ^2/NDF: 182244.1/21

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

\+ sign 2196.328+/-0.297 χ^2/NDF: 289289.7/42

All: 2198.111+/-0.209 χ^2/NDF: 554161.4/87

\- sign 2199.865+/-0.295 χ^2/NDF: 264800.3/44



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: 2219.966+/-2894.080 χ^2/NDF: 24.2/21

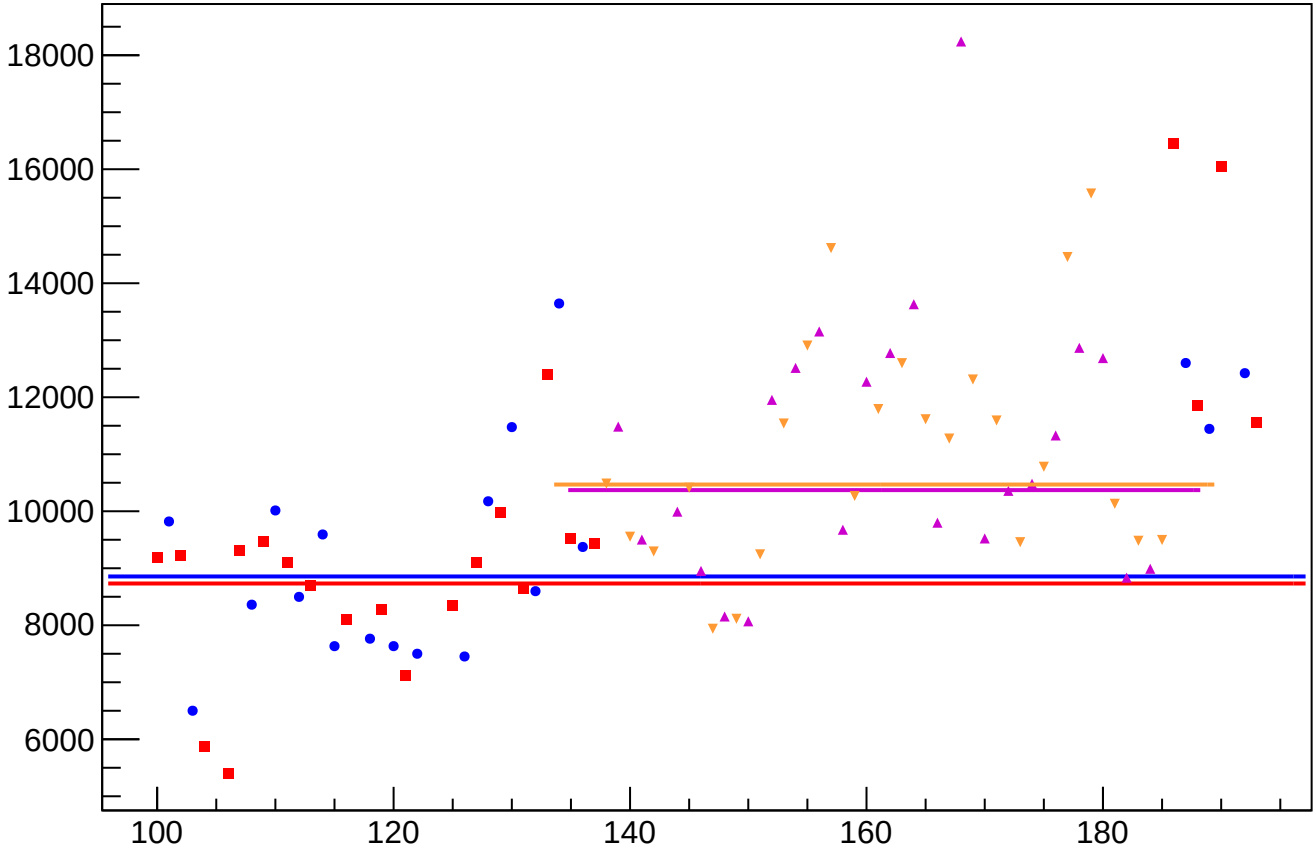
Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -871.287+/-1920.994 χ^2/NDF: 45.8/42

All: 106.117+/-1343.368 χ^2/NDF: 84.5/87

- sign 1041.563+/-1879.310 χ^2/NDF: 38.2/44

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug



Right In: 8856.089+/-2.146 χ^2/NDF: 704212.3/18

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

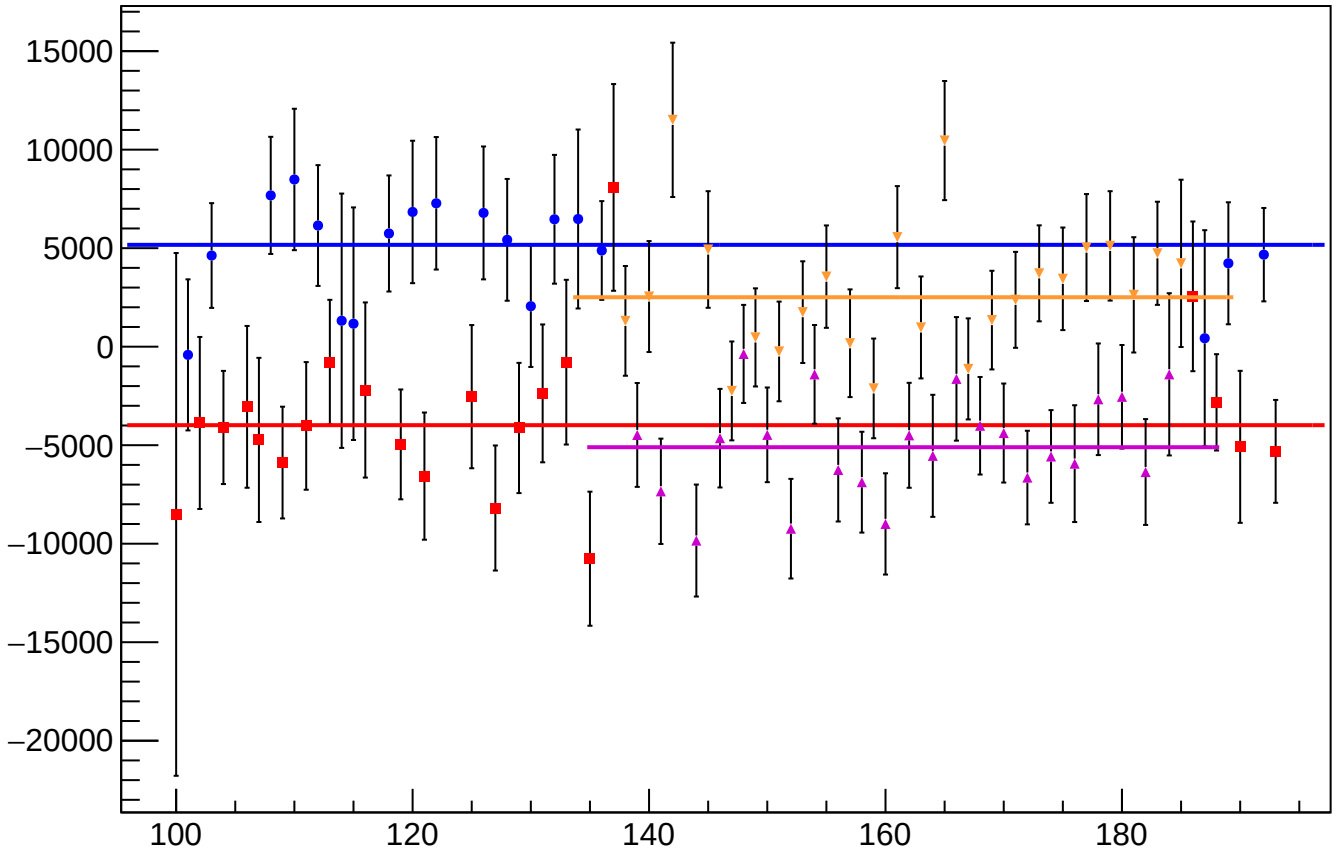
Right Out: 8732.648+/-2.046 χ^2/NDF: 1147965.8/21

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9822.490+/-1.358 χ^2/NDF: 2087919.6/42

All: 9749.726+/-0.950 χ^2/NDF: 4815891.9/87

- sign 9680.085+/-1.329 χ^2/NDF: 2722356.3/44



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: -3983.747+/-731.265 χ^2/NDF: 18.1/21

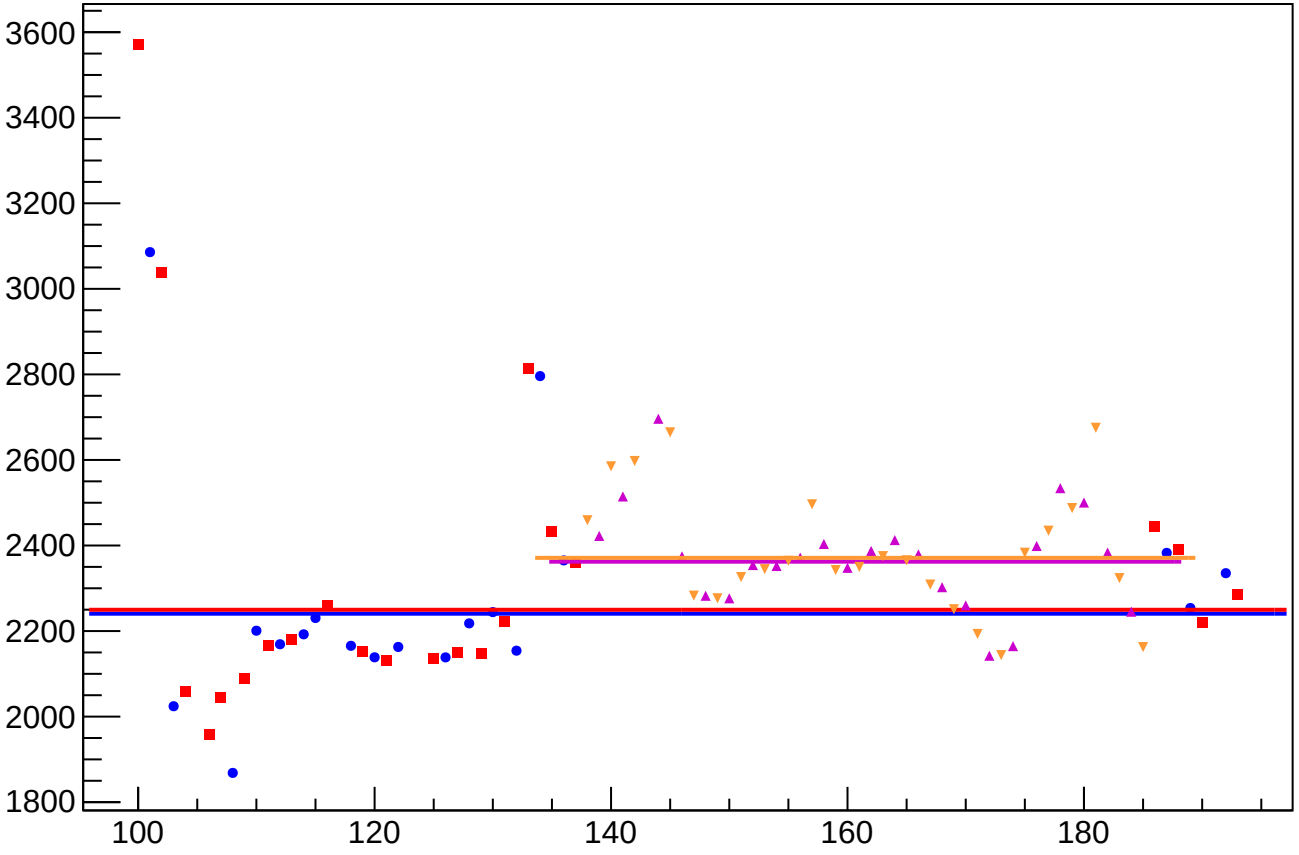
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3434.645+/-445.391 χ^2/NDF: 45.6/42

All: -672.275+/-313.327 χ^2/NDF: 253.4/87

- sign -4696.183+/-440.867 χ^2/NDF: 39.5/44

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

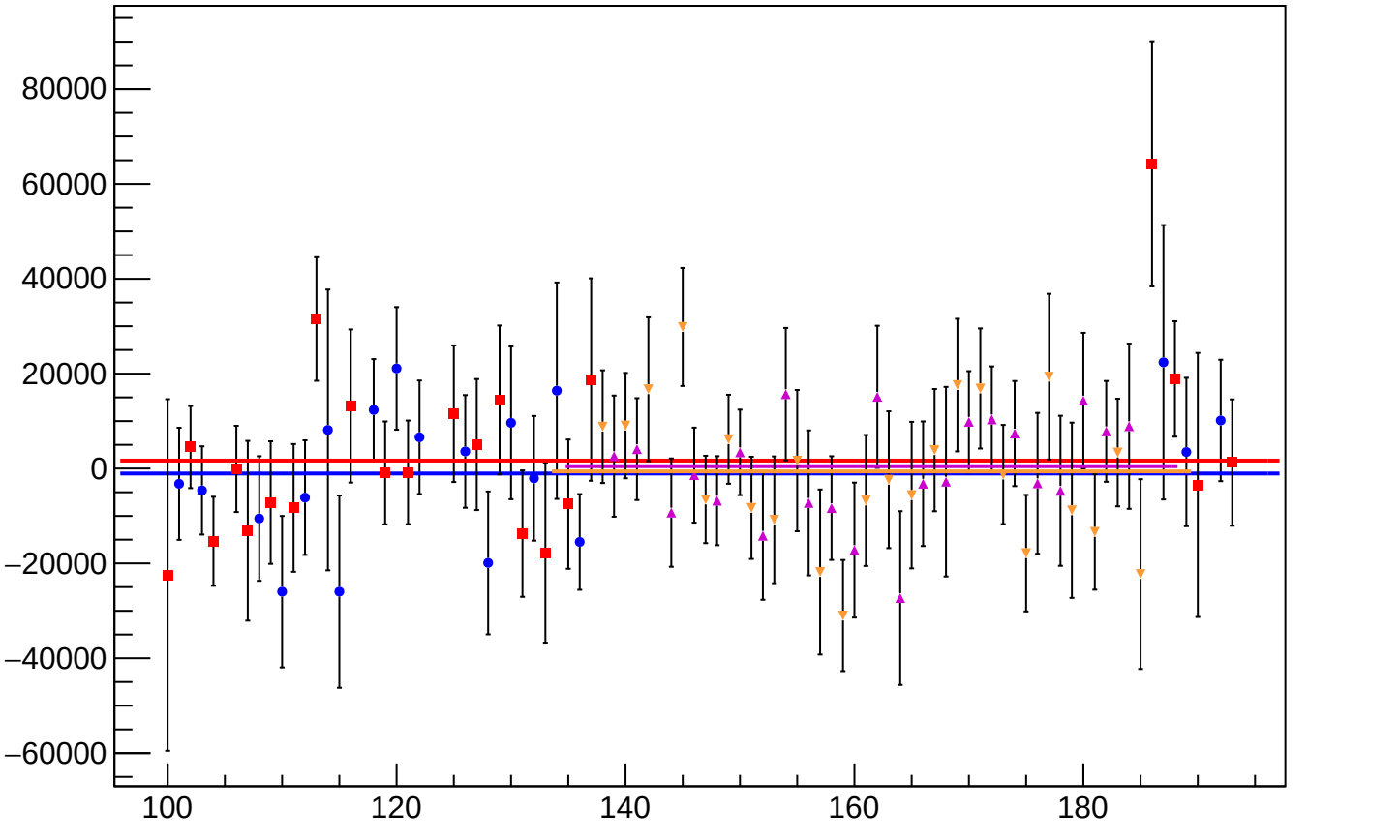
Right Out: 2249.768+/-0.517 χ^2/NDF: 184603.9/21

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2325.700+/-0.315 χ^2/NDF: 345277.6/42

All: 2323.488+/-0.222 χ^2/NDF: 651997.4/87

- sign 2321.322+/-0.312 χ^2/NDF: 306622.2/44



Right In: -1049.260+/-3088.930 χ^2/NDF: 16.1/18

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

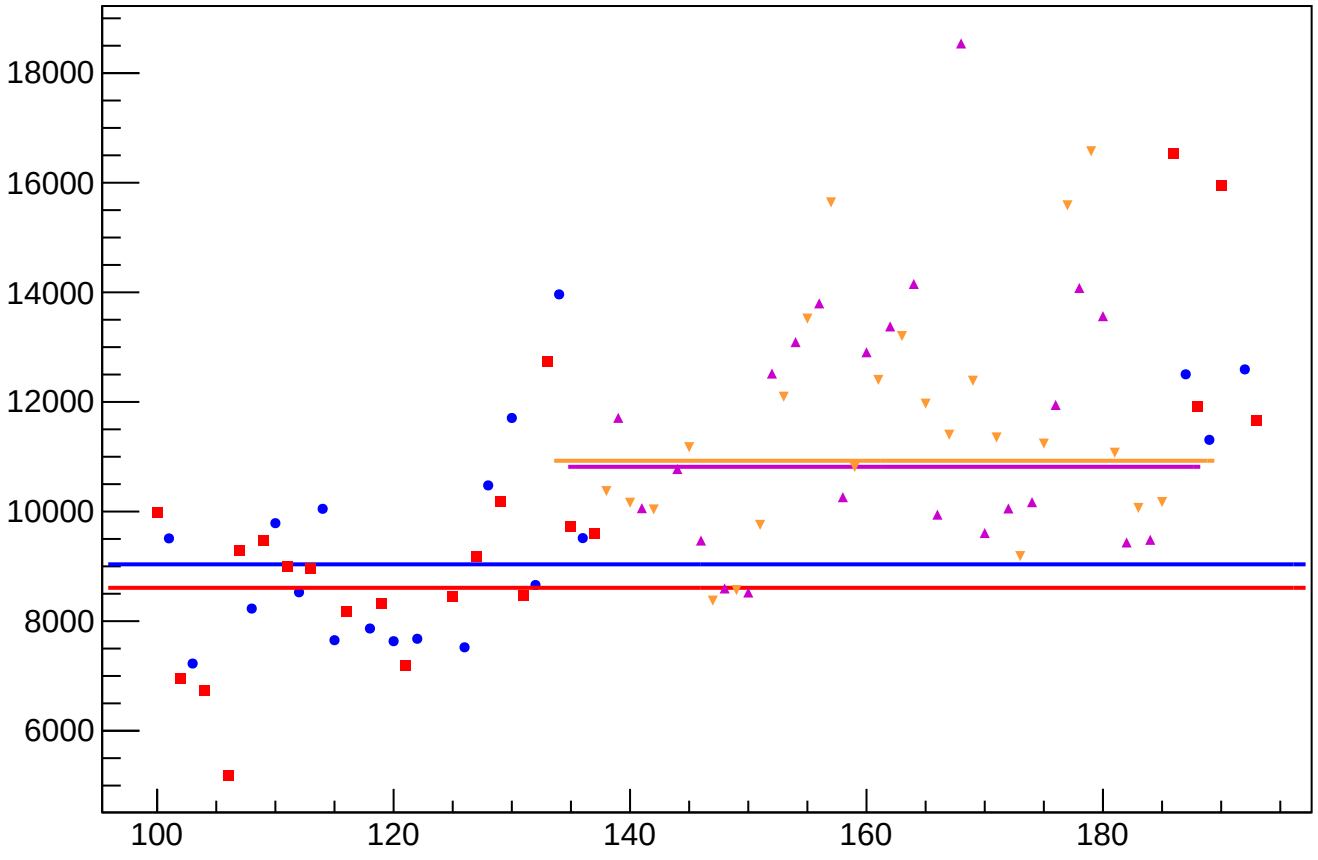
Right Out: 1674.608+/-2843.072 χ^2/NDF: 23.9/21

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -790.319+/-1984.626 χ^2/NDF: 45.0/42

All: 152.040+/-1375.996 χ^2/NDF: 83.0/87

- sign 1024.364+/-1909.454 χ^2/NDF: 37.6/44



Right In: 9036.876+/-2.184 χ^2/NDF: 609773.9/18

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

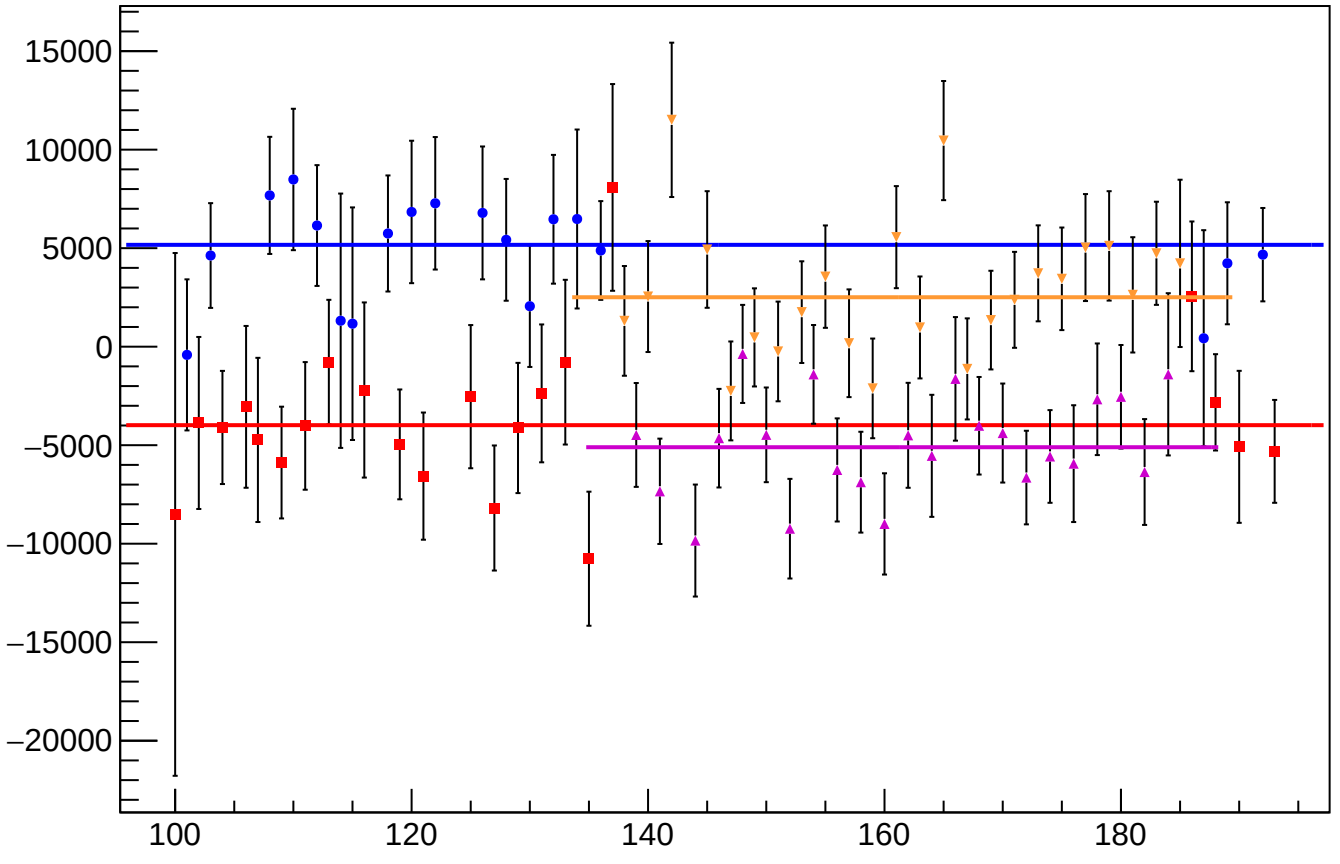
Right Out: 8608.413+/-2.010 χ^2/NDF: 1207122.5/21

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10146.672+/-1.403 χ^2/NDF: 2106763.3/42

All: 9977.241+/-0.973 χ^2/NDF: 5200892.1/87

- sign 9820.402+/-1.350 χ^2/NDF: 3066058.7/44



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: -3983.752+/-731.265 χ^2/NDF: 18.1/21

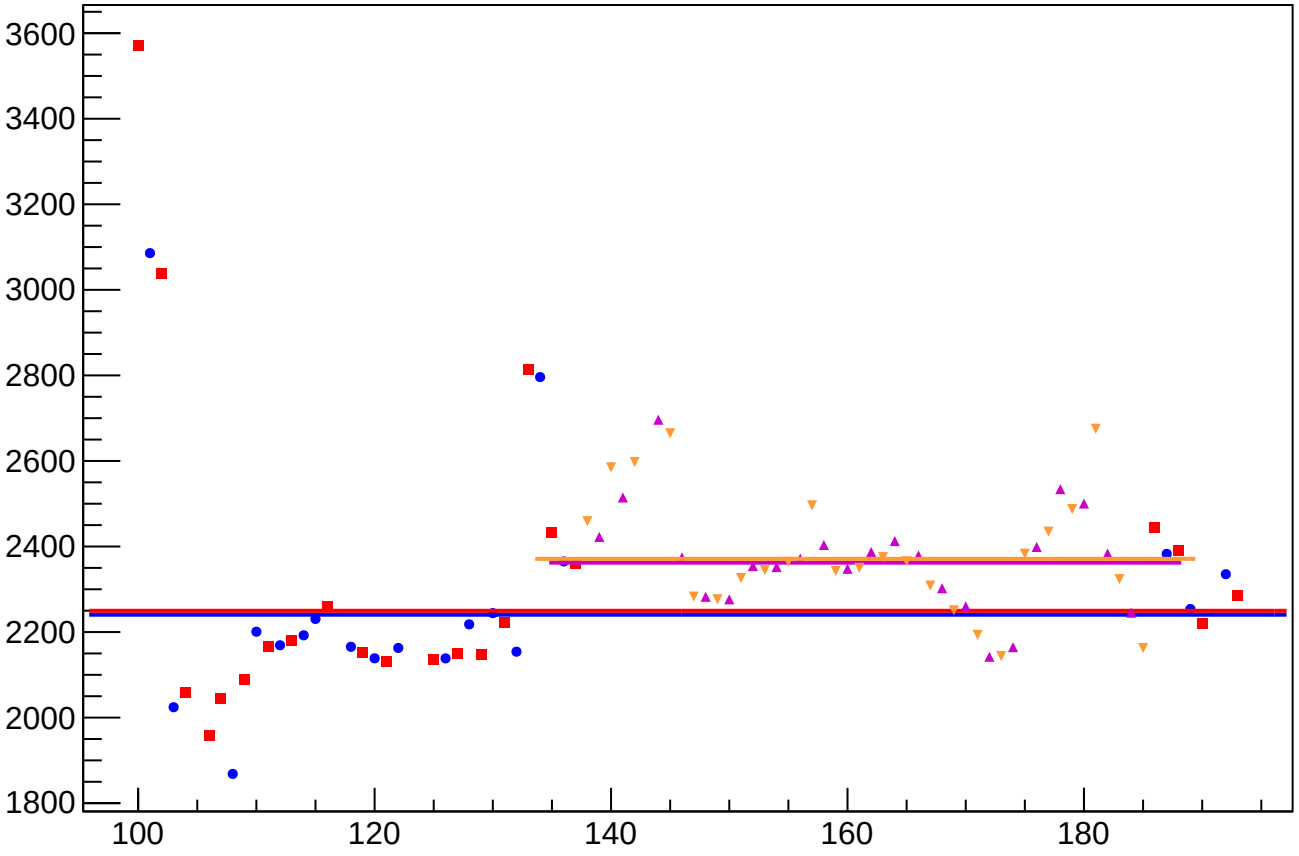
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3434.639+/-445.392 χ^2/NDF: 45.6/42

All: -672.279+/-313.328 χ^2/NDF: 253.4/87

- sign -4696.186+/-440.867 χ^2/NDF: 39.5/44

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

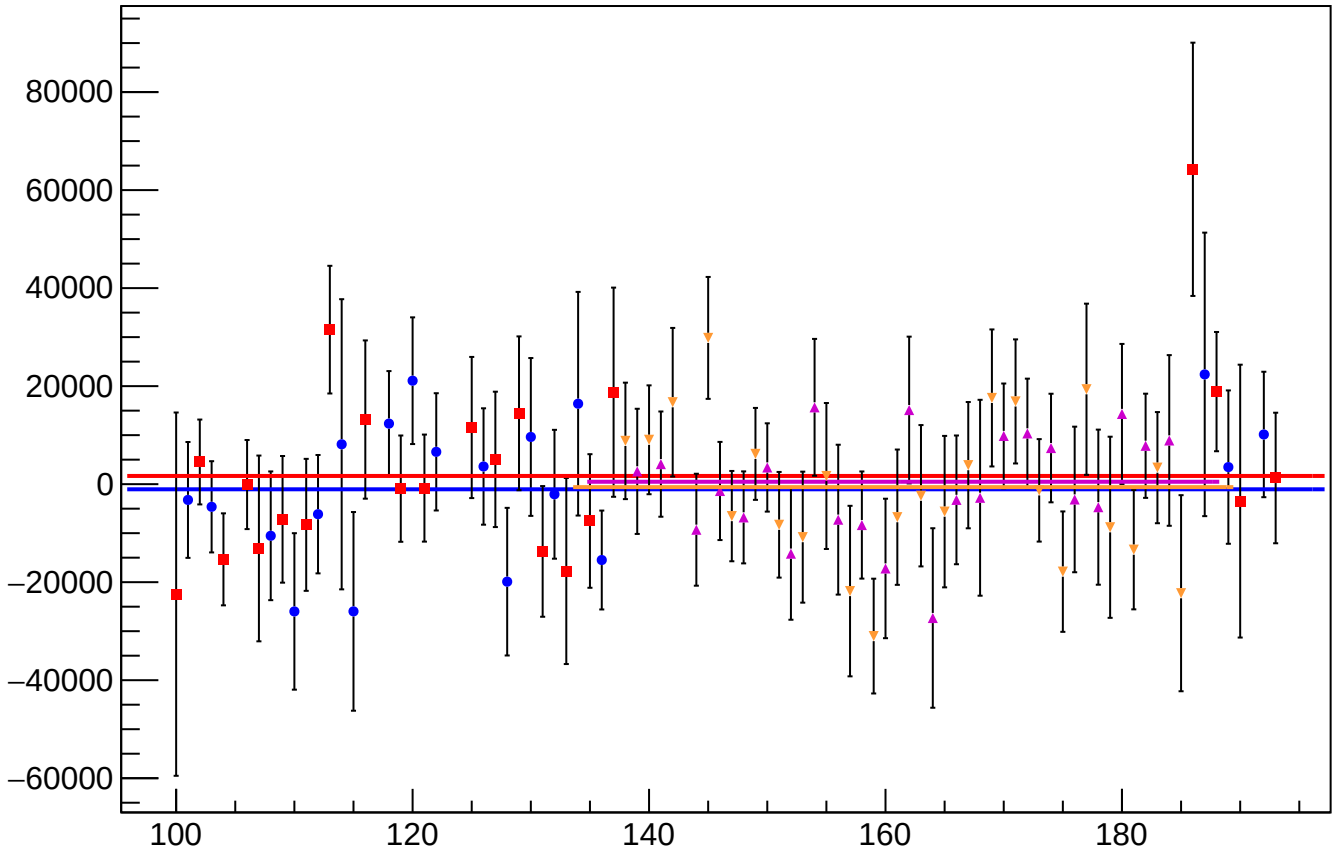
Right Out: 2249.768+/-0.517 χ^2/NDF: 184603.9/21

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2325.702+/-0.315 χ^2/NDF: 345284.5/42

All: 2323.490+/-0.222 χ^2/NDF: 652011.0/87

- sign 2321.324+/-0.312 χ^2/NDF: 306628.8/44



Right In: -1049.244+/-3088.924 χ^2/NDF: 16.1/18

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

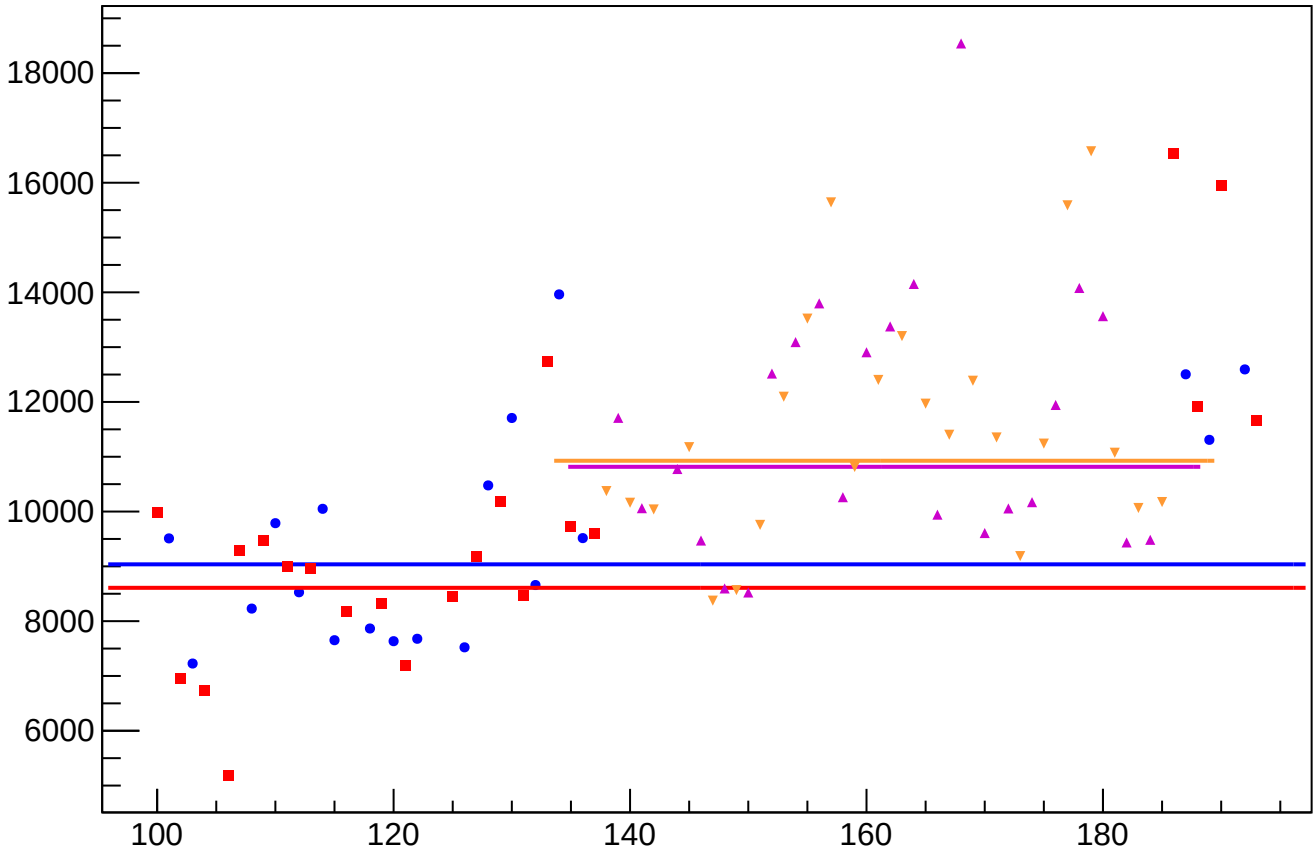
Right Out: 1674.594+/-2843.066 χ^2/NDF: 23.9/21

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign -790.318+/-1984.626 χ^2/NDF: 45.0/42

All: 152.040+/-1375.996 χ^2/NDF: 83.0/87

- sign 1024.361+/-1909.454 χ^2/NDF: 37.6/44



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: 8608.397+/-2.010 χ^2/NDF: 1207126.7/21

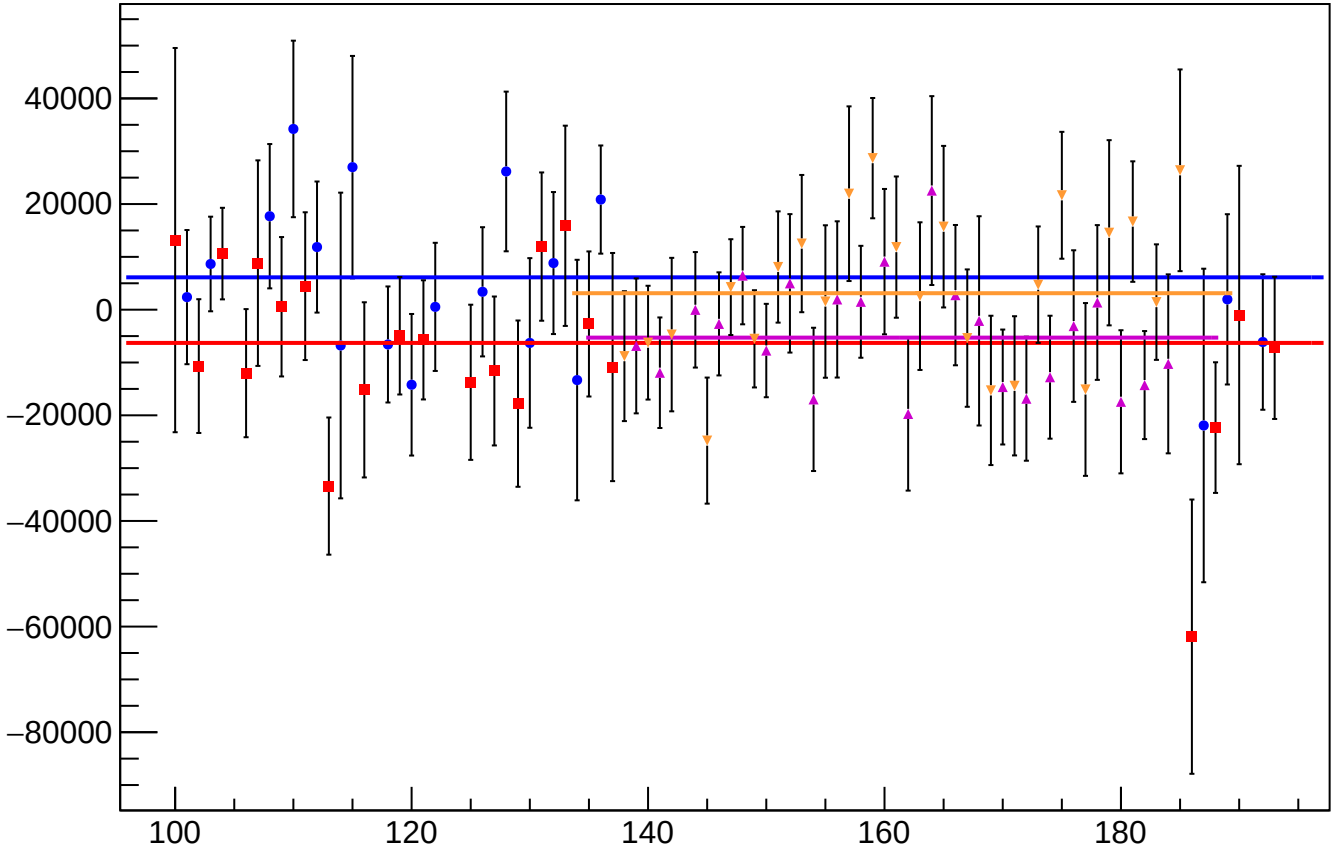
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10146.671+/-1.403 χ^2/NDF: 2106790.4/42

All: 9977.239+/-0.973 χ^2/NDF: 5200947.7/87

- sign 9820.400+/-1.350 χ^2/NDF: 3066087.1/44

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: -6292.770+/-3016.449 χ^2/NDF: 21.0/21

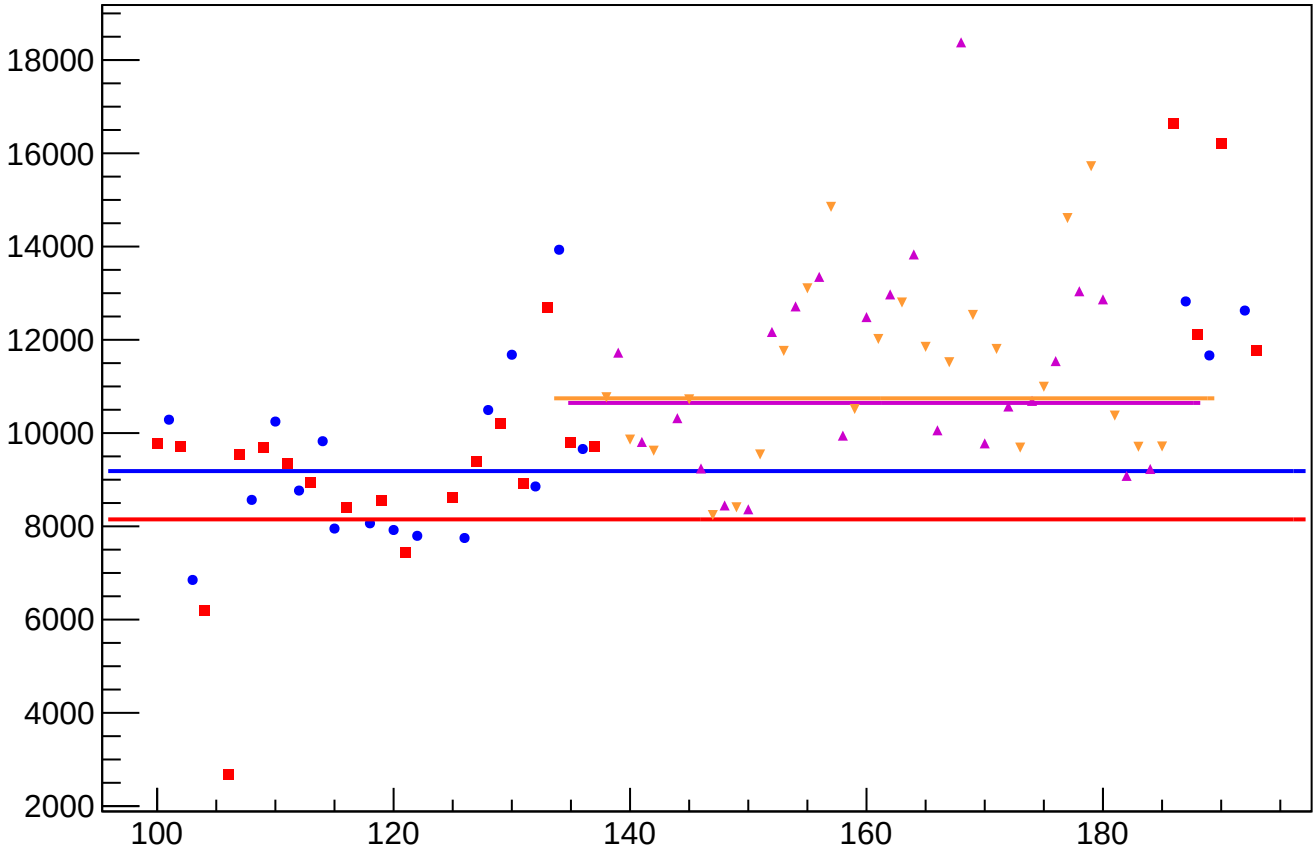
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4307.901+/-1977.020 χ^2/NDF: 44.1/42

All: -793.775+/-1384.613 χ^2/NDF: 91.5/87

- sign -5705.105+/-1939.787 χ^2/NDF: 34.4/44

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

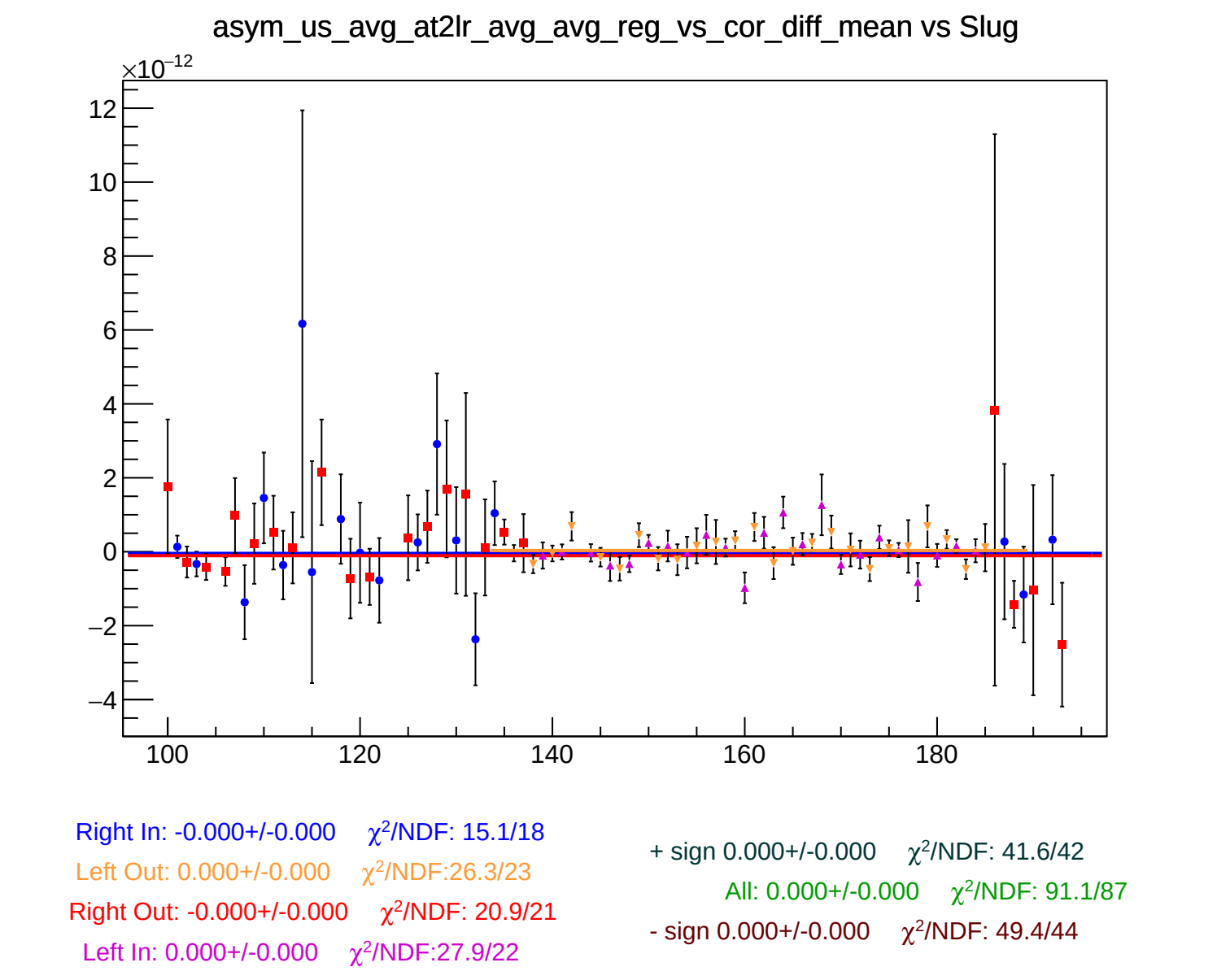
Right Out: 8149.084+/-1.999 χ^2/NDF: 2468692.5/21

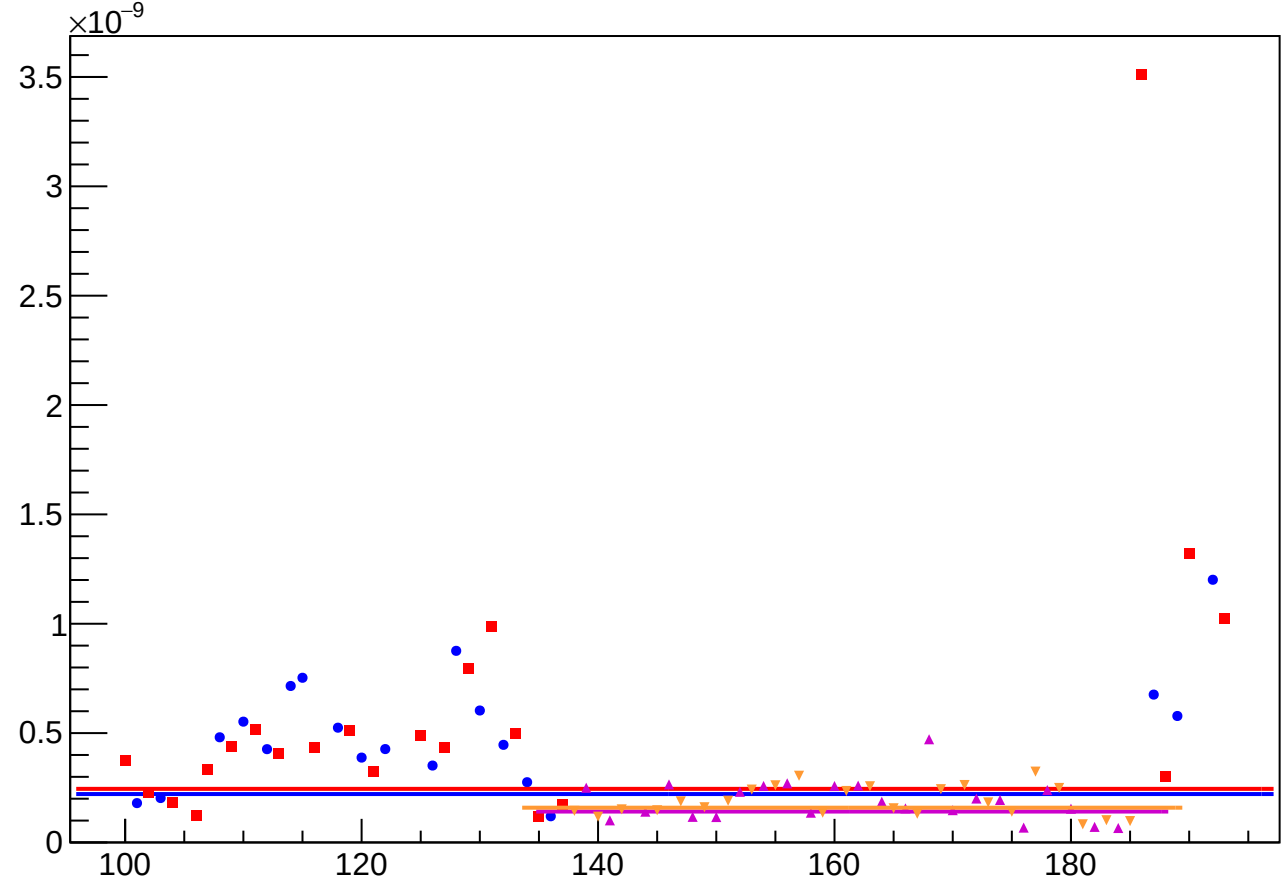
Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10128.159+/-1.398 χ^2/NDF: 1905099.2/42

All: 9817.195+/-0.965 χ^2/NDF: 6448344.7/87

- sign 9534.101+/-1.334 χ^2/NDF: 4448719.6/44


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 15.1/18
Left Out: 0.000+/-0.000 χ²/NDF:26.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 20.9/21
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
+ sign 0.000+/-0.000 χ²/NDF: 41.6/42
All: 0.000+/-0.000 χ²/NDF: 91.1/87
- sign 0.000+/-0.000 χ²/NDF: 49.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 2522754.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

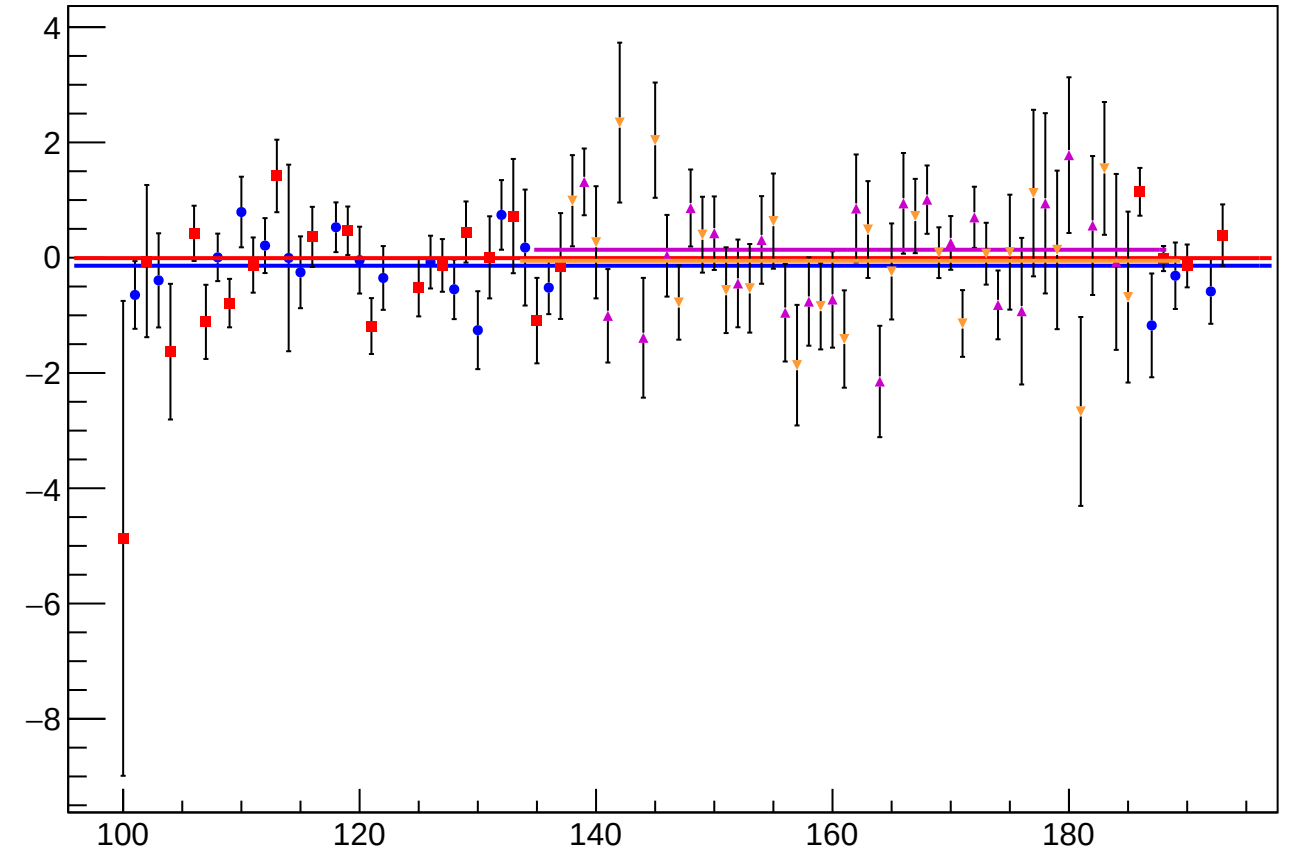
Right Out: 0.000+/-0.000 χ^2/NDF: 2694233.3/21

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: 10109496.2/87

- sign 0.000+/-0.000 χ^2/NDF: 5902462.8/44



Right In: -0.139+/-0.131 χ^2/NDF: 14.8/18

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

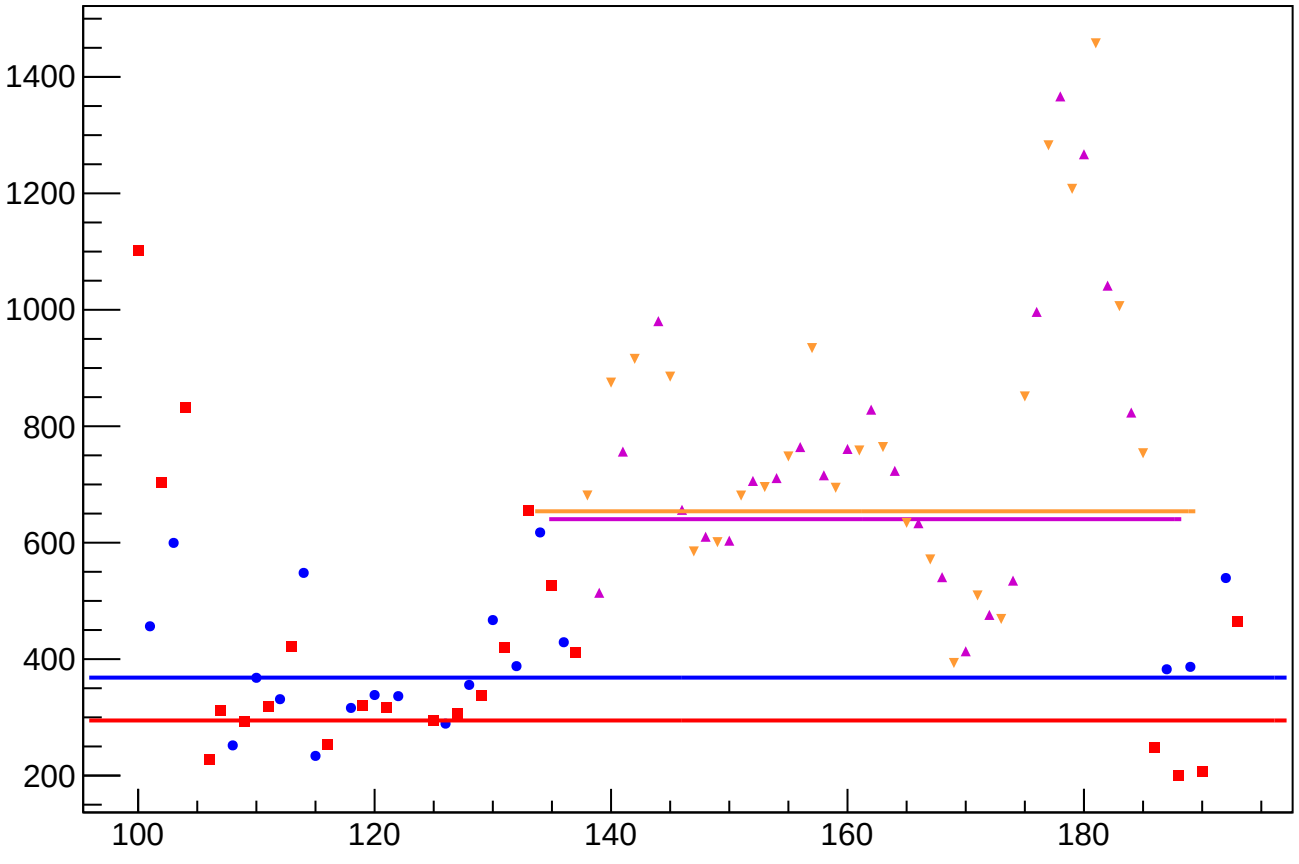
Right Out: -0.008+/-0.105 χ^2/NDF: 36.3/21

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.105+/-0.102 χ^2/NDF: 45.1/42

All: -0.024+/-0.066 χ^2/NDF: 113.1/87

- sign 0.037+/-0.088 χ^2/NDF: 66.8/44



Right In: 368.262+/-0.092 χ^2/NDF: 988528.0/18

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

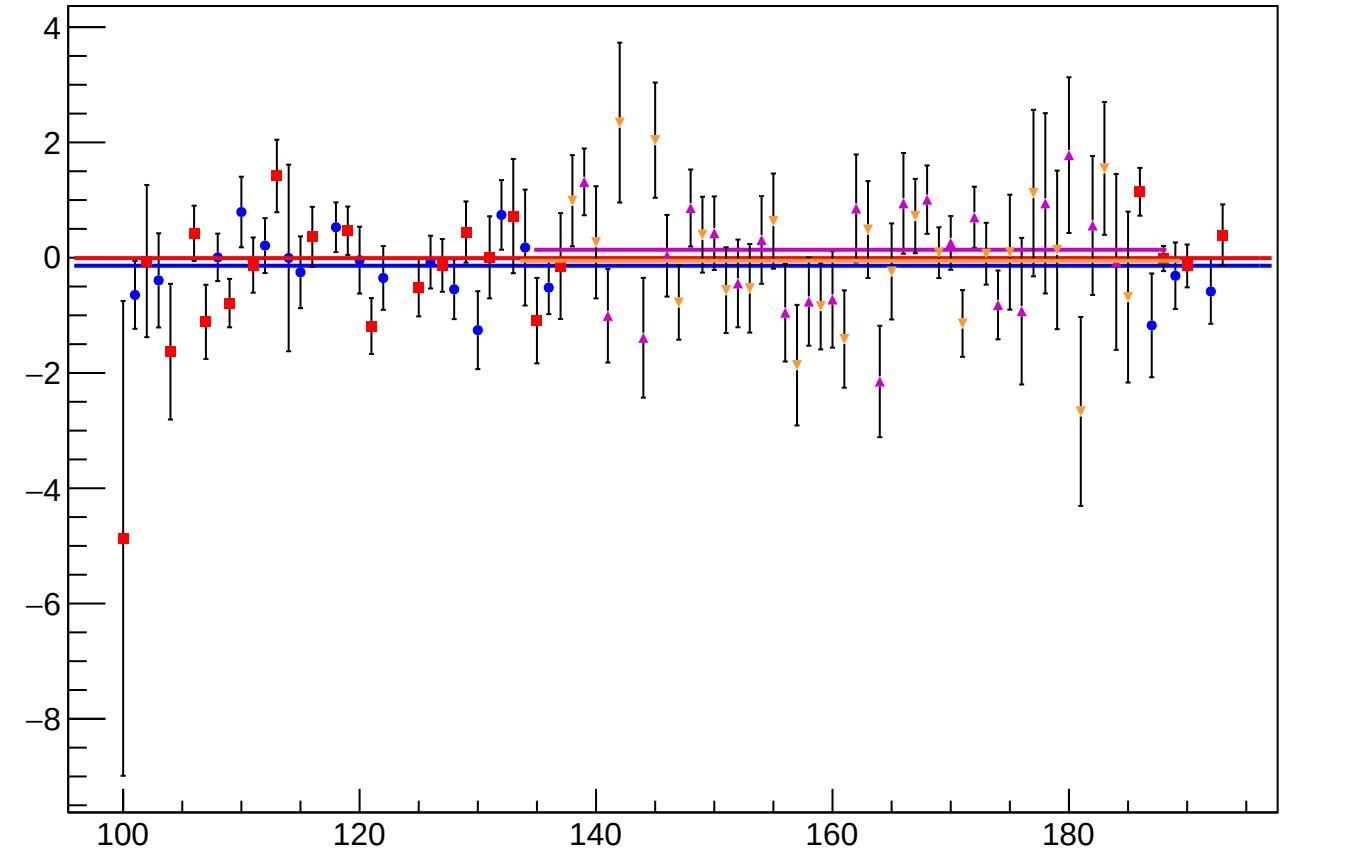
Right Out: 294.635+/-0.074 χ^2/NDF: 2124105.8/21

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 481.496+/-0.072 χ^2/NDF: 7898308.1/42

All: 435.404+/-0.047 χ^2/NDF: 20028044.5/87

- sign 401.115+/-0.062 χ^2/NDF: 11411479.6/44



Right In: -0.139+/-0.131 χ^2/NDF: 14.8/18

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

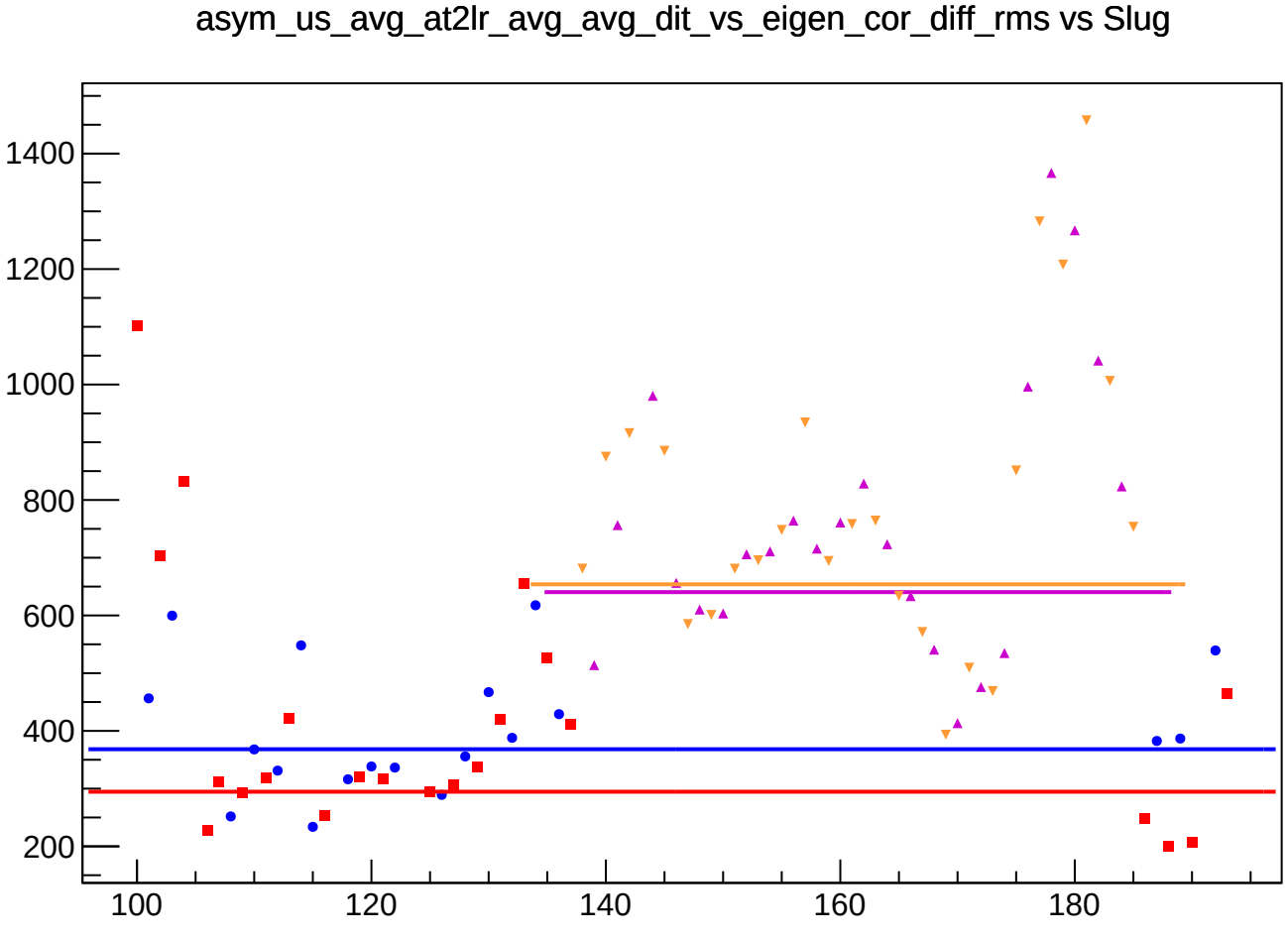
Right Out: -0.008+/-0.105 χ^2/NDF: 36.3/21

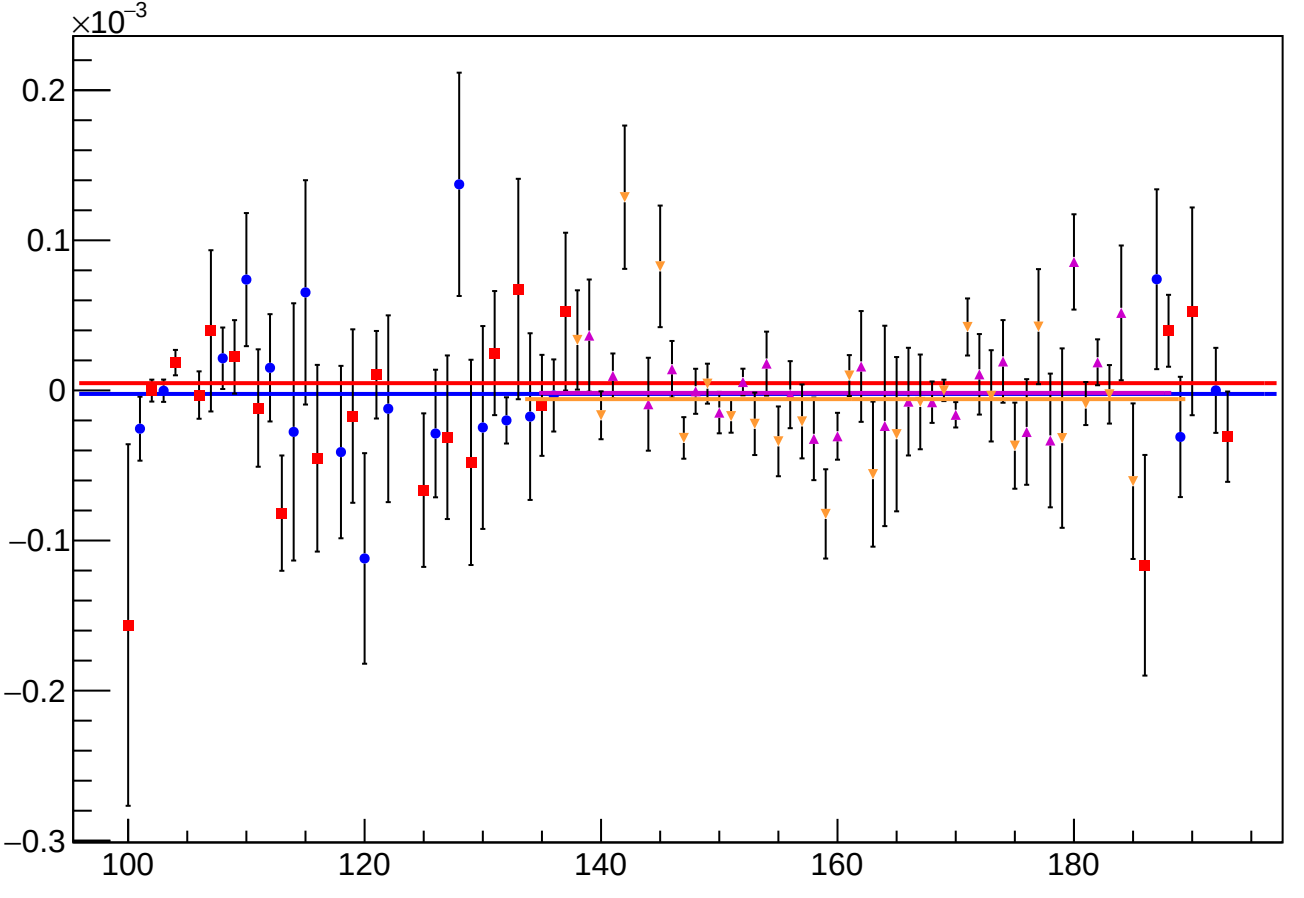
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.105+/-0.102 χ^2/NDF: 45.1/42

All: -0.024+/-0.066 χ^2/NDF: 113.1/87

- sign 0.037+/-0.088 χ^2/NDF: 66.8/44


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
120
140
160
180
Right In: 368.262+/-0.092 χ²/NDF: 988528.0/18
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 294.635+/-0.074 χ²/NDF: 2124105.8/21
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 481.496+/-0.072 χ²/NDF: 7898308.1/42
All: 435.404+/-0.047 χ²/NDF: 20028044.5/87
- sign 401.115+/-0.062 χ²/NDF: 11411479.6/44



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

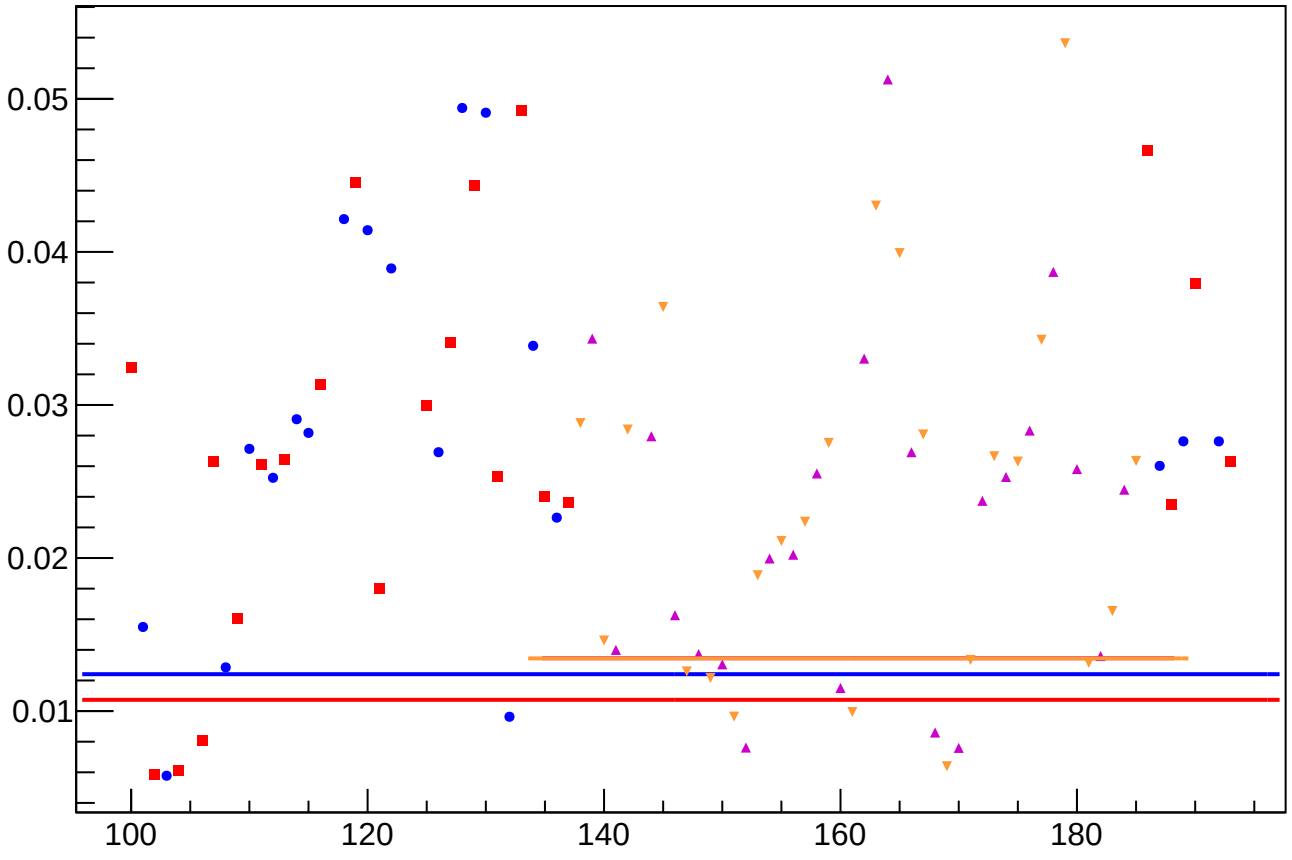
Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/21

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: 112.5/87

- sign 0.000+/-0.000 χ^2/NDF: 50.6/44



Right In: 0.012+/-0.000 χ^2/NDF: 6533576.5/18

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

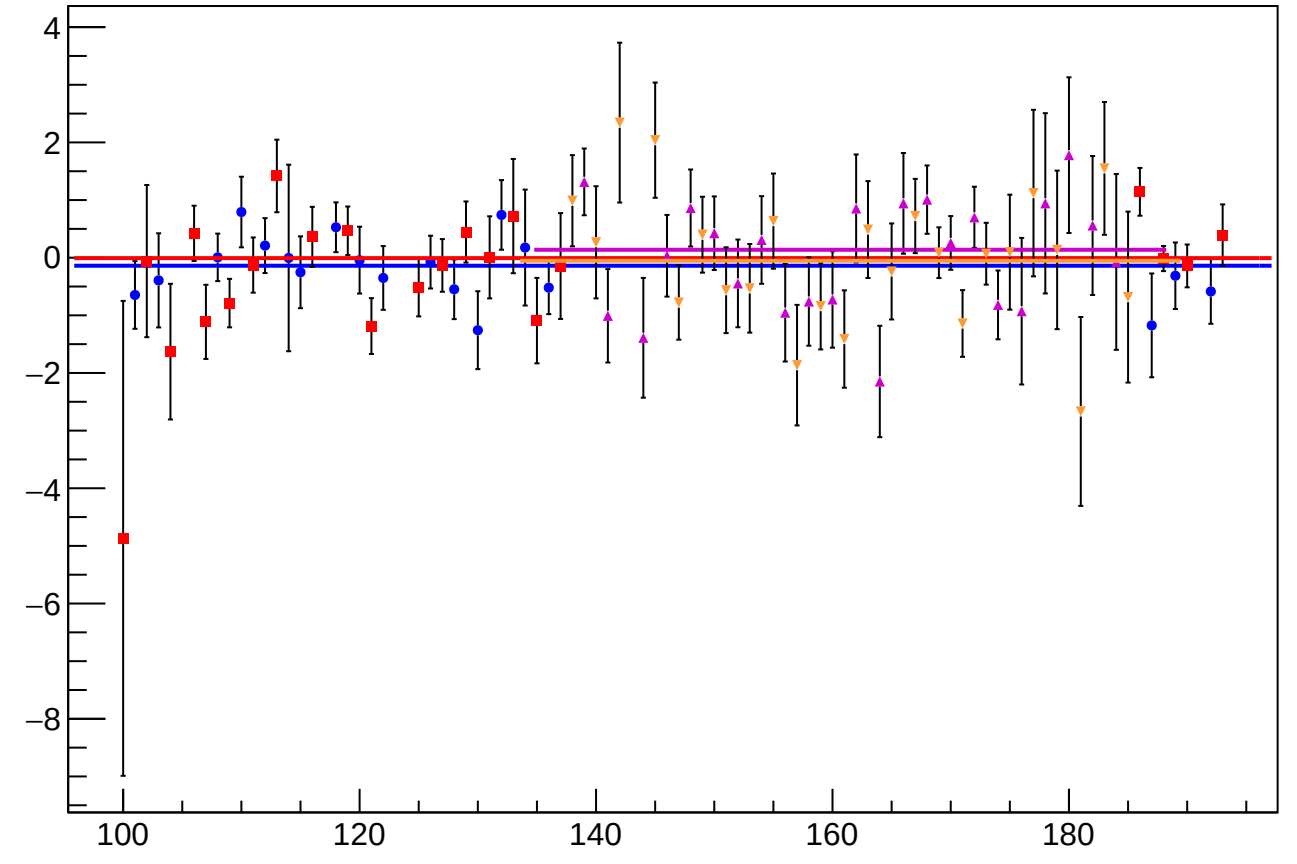
Right Out: 0.011+/-0.000 χ^2/NDF: 7797060.0/21

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: 31273587.2/87

- sign 0.012+/-0.000 χ^2/NDF: 15771406.2/44



Right In: -0.139+/-0.131 χ^2/NDF: 14.8/18

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

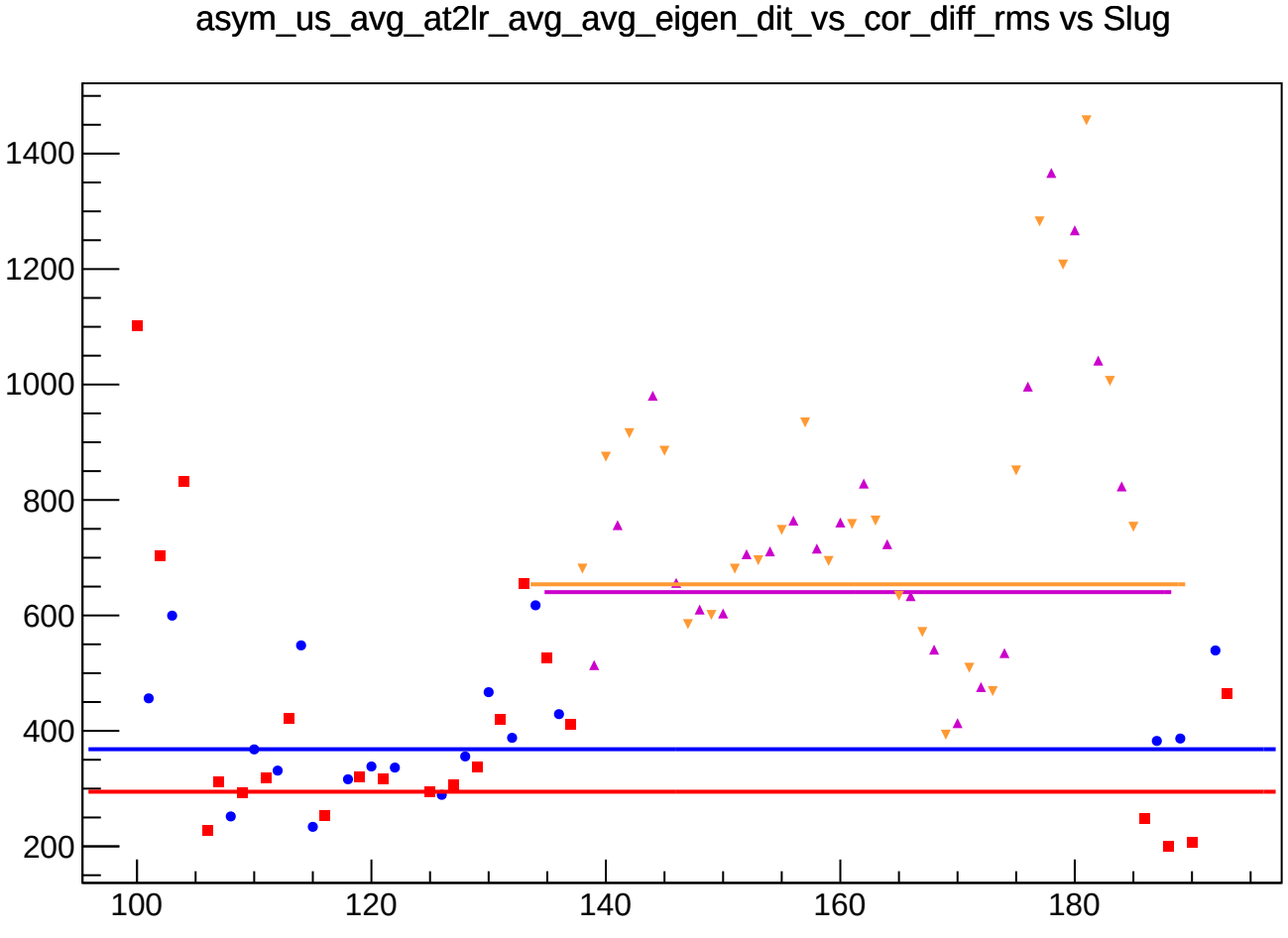
Right Out: -0.007+/-0.105 χ^2/NDF: 36.3/21

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.105+/-0.102 χ^2/NDF: 45.1/42

All: -0.024+/-0.066 χ^2/NDF: 113.1/87

- sign 0.037+/-0.088 χ^2/NDF: 66.8/44



Right In: 368.261+/-0.092 χ^2/NDF: 988492.1/18

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

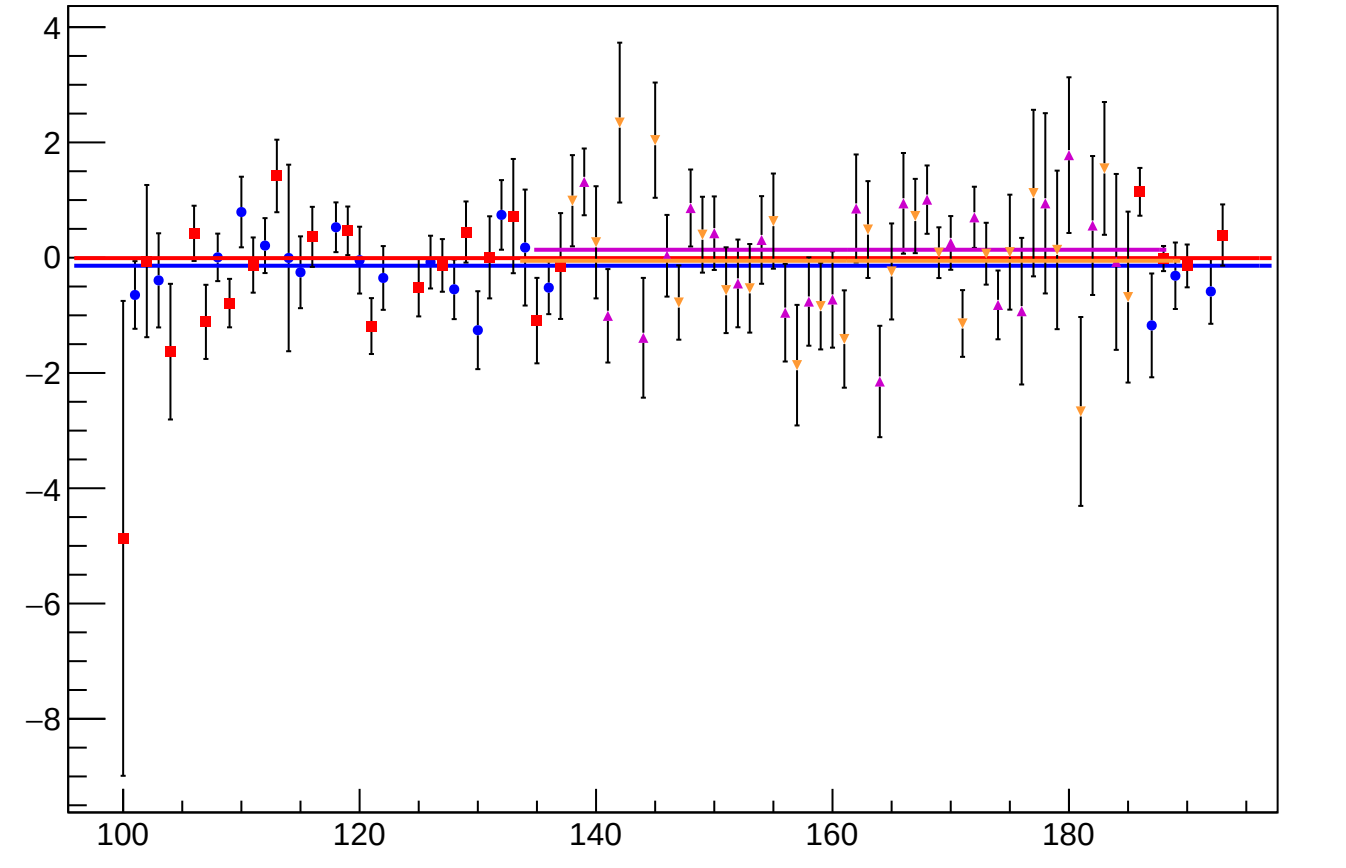
Right Out: 294.629+/-0.074 χ^2/NDF: 2124196.3/21

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 481.495+/-0.072 χ^2/NDF: 7898516.7/42

All: 435.399+/-0.047 χ^2/NDF: 20028959.4/87

- sign 401.108+/-0.062 χ^2/NDF: 11412078.5/44



Right In: -0.139+/-0.131 χ^2/NDF: 14.8/18

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

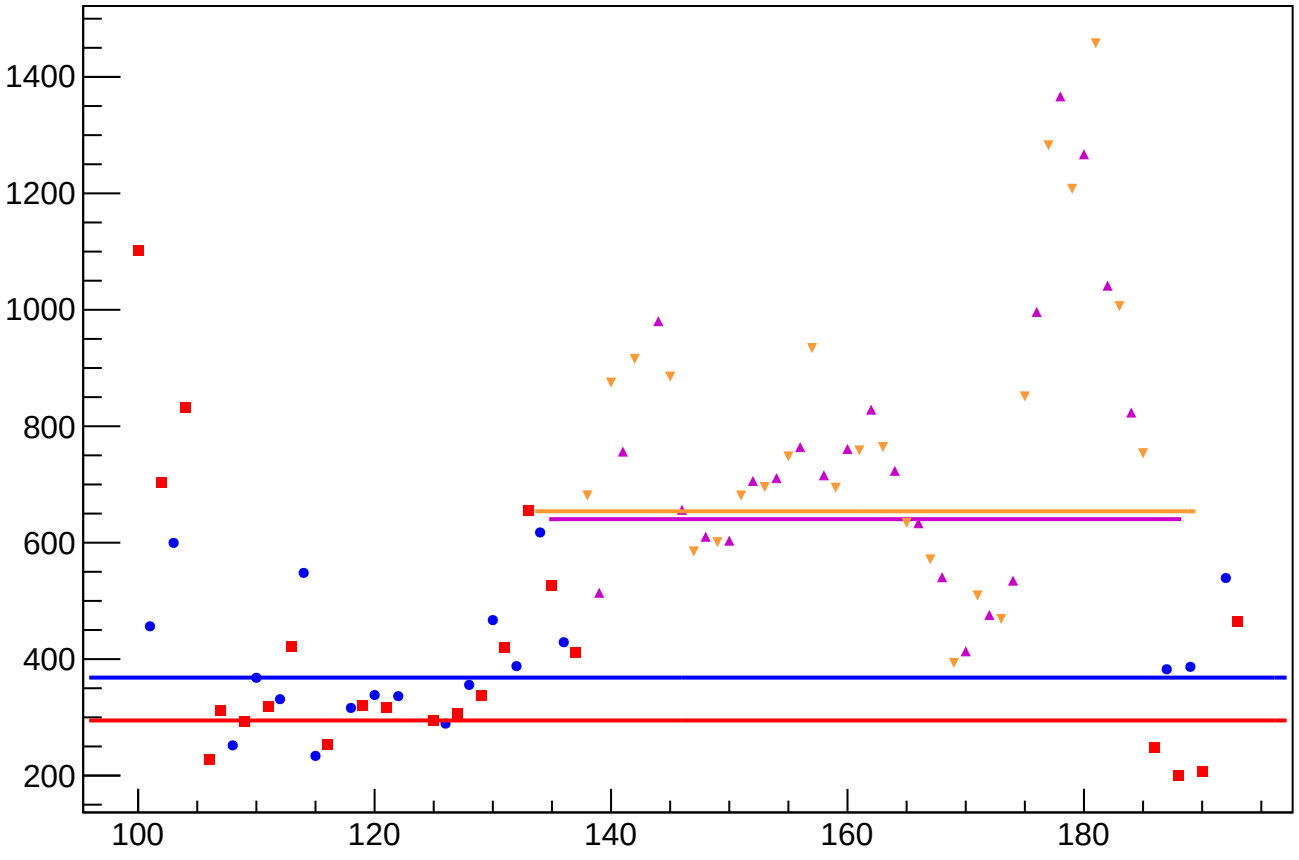
Right Out: -0.007+/-0.105 χ^2/NDF: 36.3/21

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.105+/-0.102 χ^2/NDF: 45.1/42

All: -0.024+/-0.066 χ^2/NDF: 113.1/87

- sign 0.037+/-0.088 χ^2/NDF: 66.8/44



Right In: 368.261+/-0.092 χ^2/NDF: 988492.1/18

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

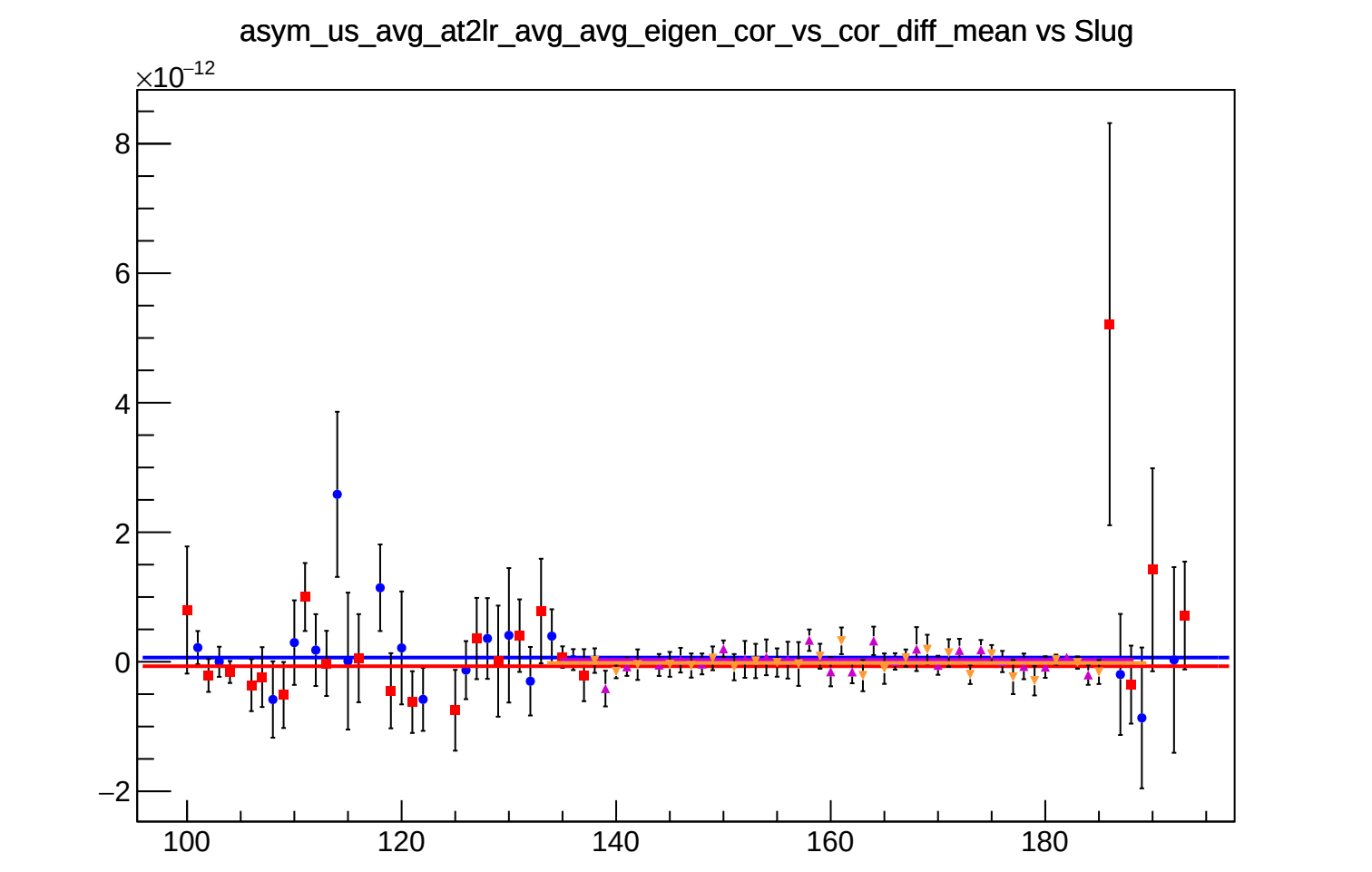
Right Out: 294.629+/-0.074 χ^2/NDF: 2124196.3/21

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 481.495+/-0.072 χ^2/NDF: 7898516.7/42

All: 435.399+/-0.047 χ^2/NDF: 20028959.4/87

- sign 401.108+/-0.062 χ^2/NDF: 11412078.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

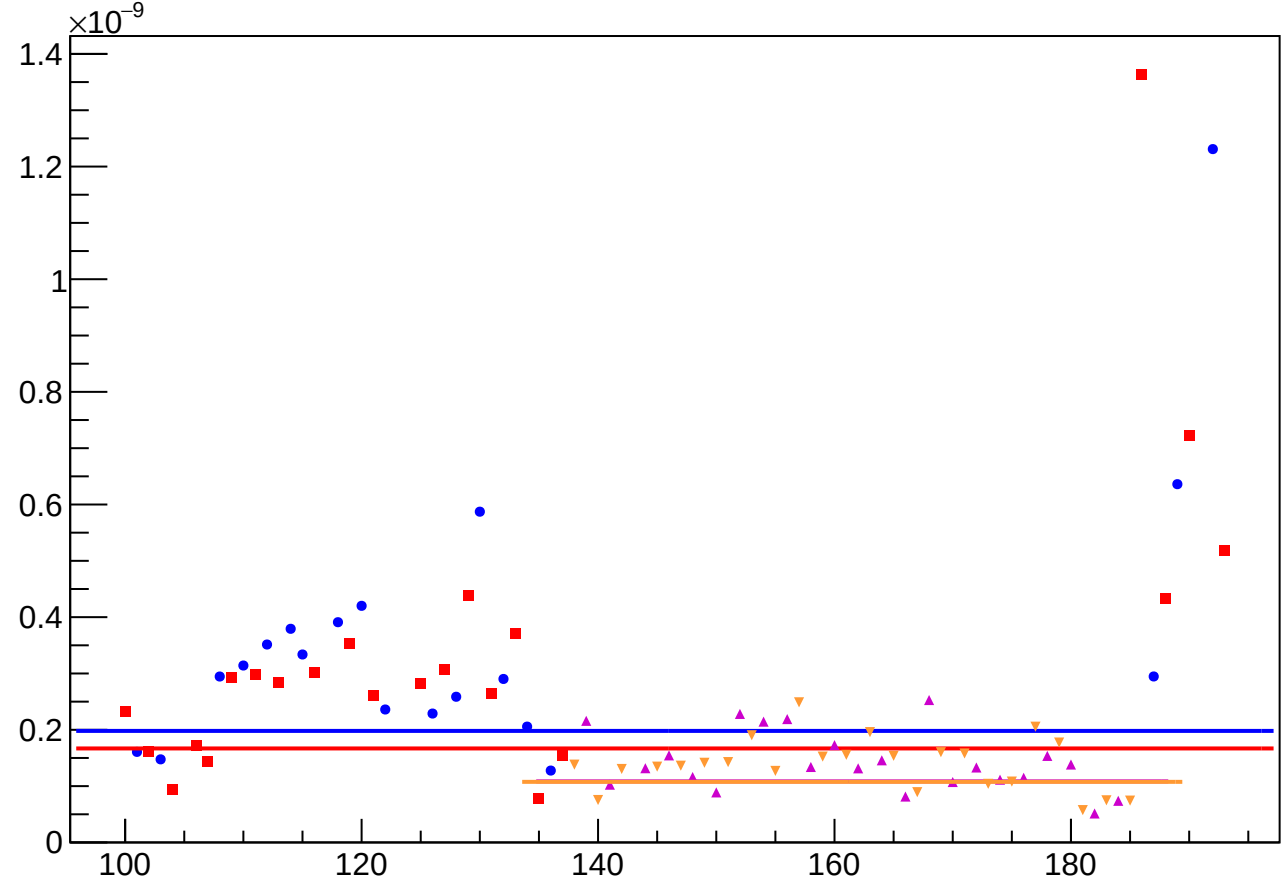
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/21

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: 63.7/87

- sign 0.000+/-0.000 χ^2/NDF: 37.0/44



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: 3533143.5/21

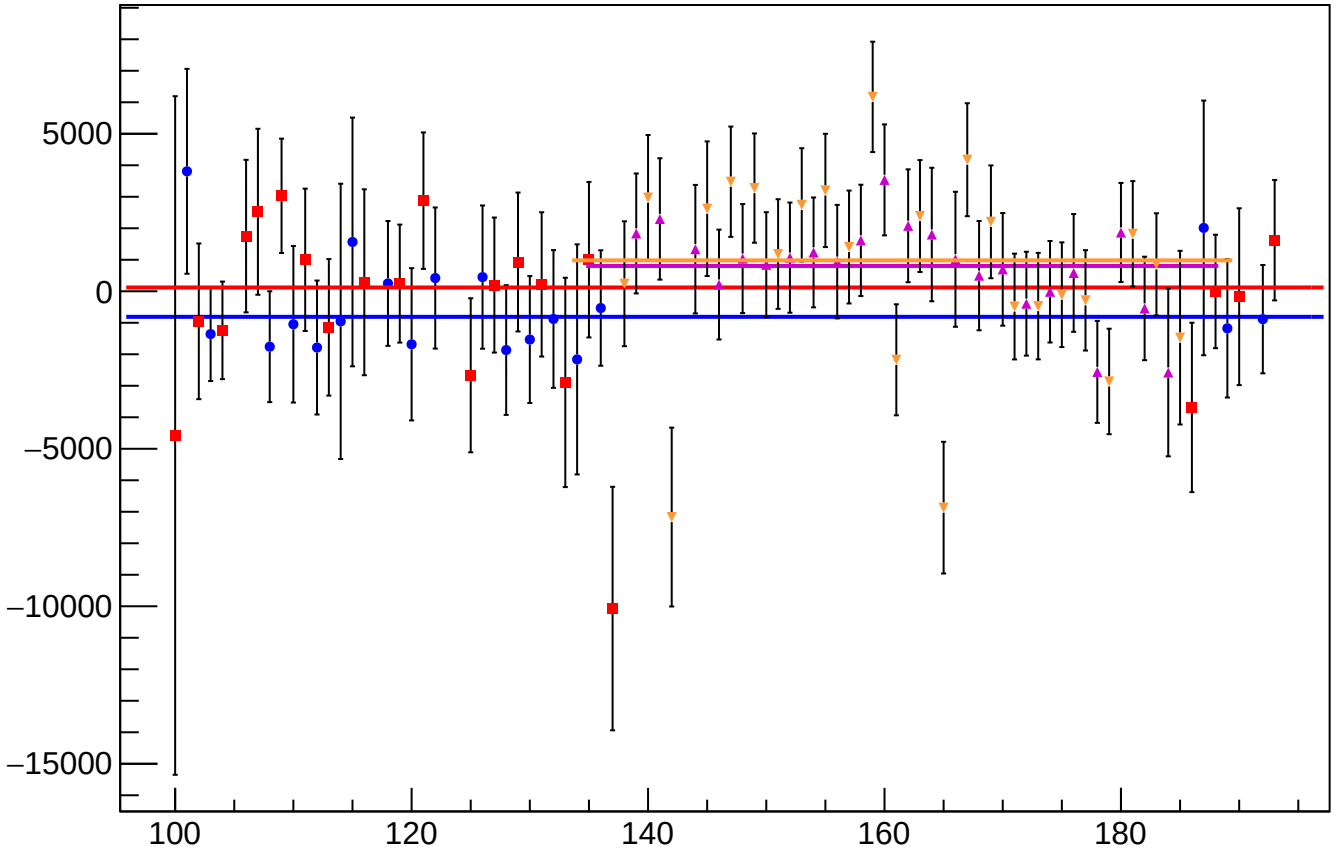
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7983157.5/42

All: 0.000+/-0.000 χ^2/NDF: 16224113.7/87

- sign 0.000+/-0.000 χ^2/NDF: 8239909.4/44

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: 120.764+/-489.123 χ^2/NDF: 19.1/21

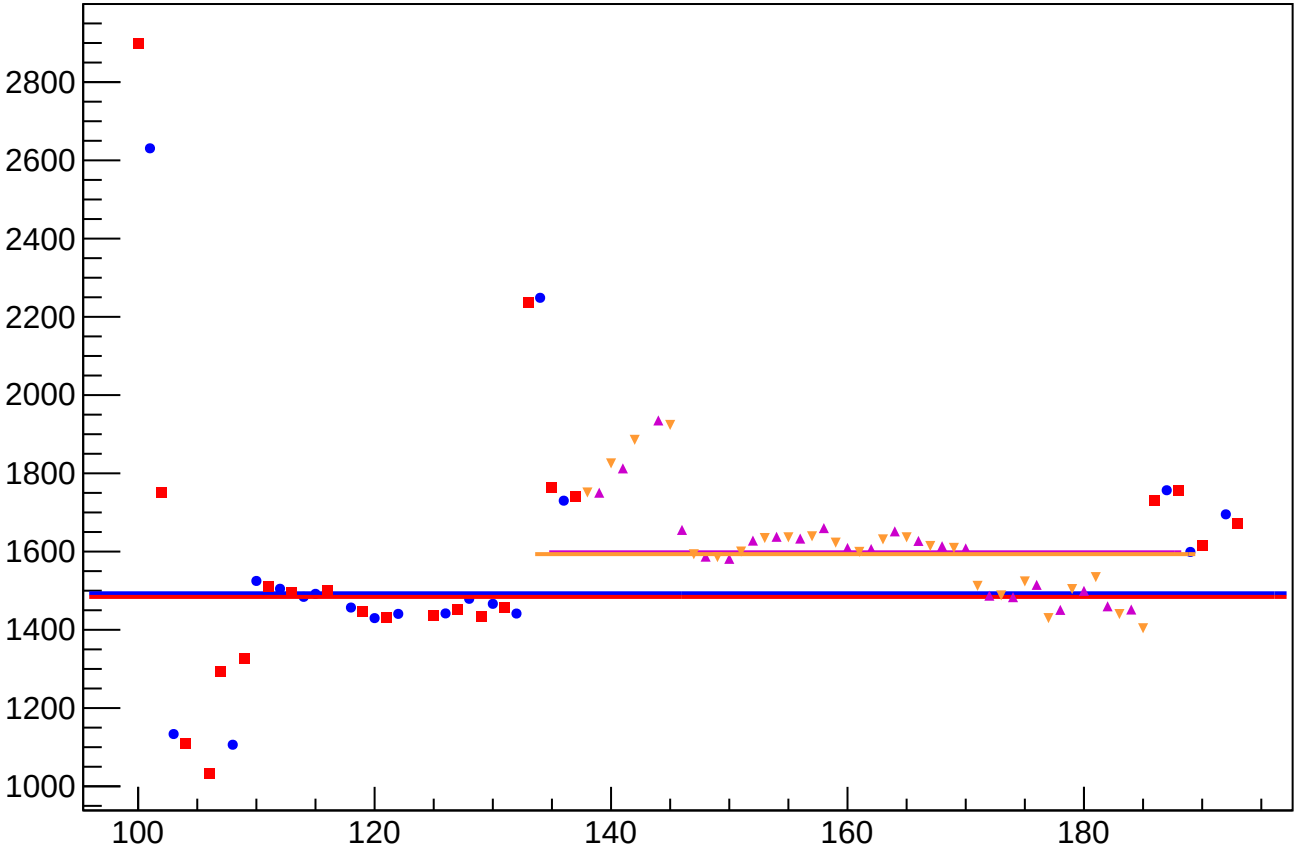
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

\+ sign 360.458+/-299.795 χ^2/NDF: 68.8/42

All: 456.985+/-211.040 χ^2/NDF: 101.7/87

\- sign 551.805+/-297.133 χ^2/NDF: 32.8/44

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

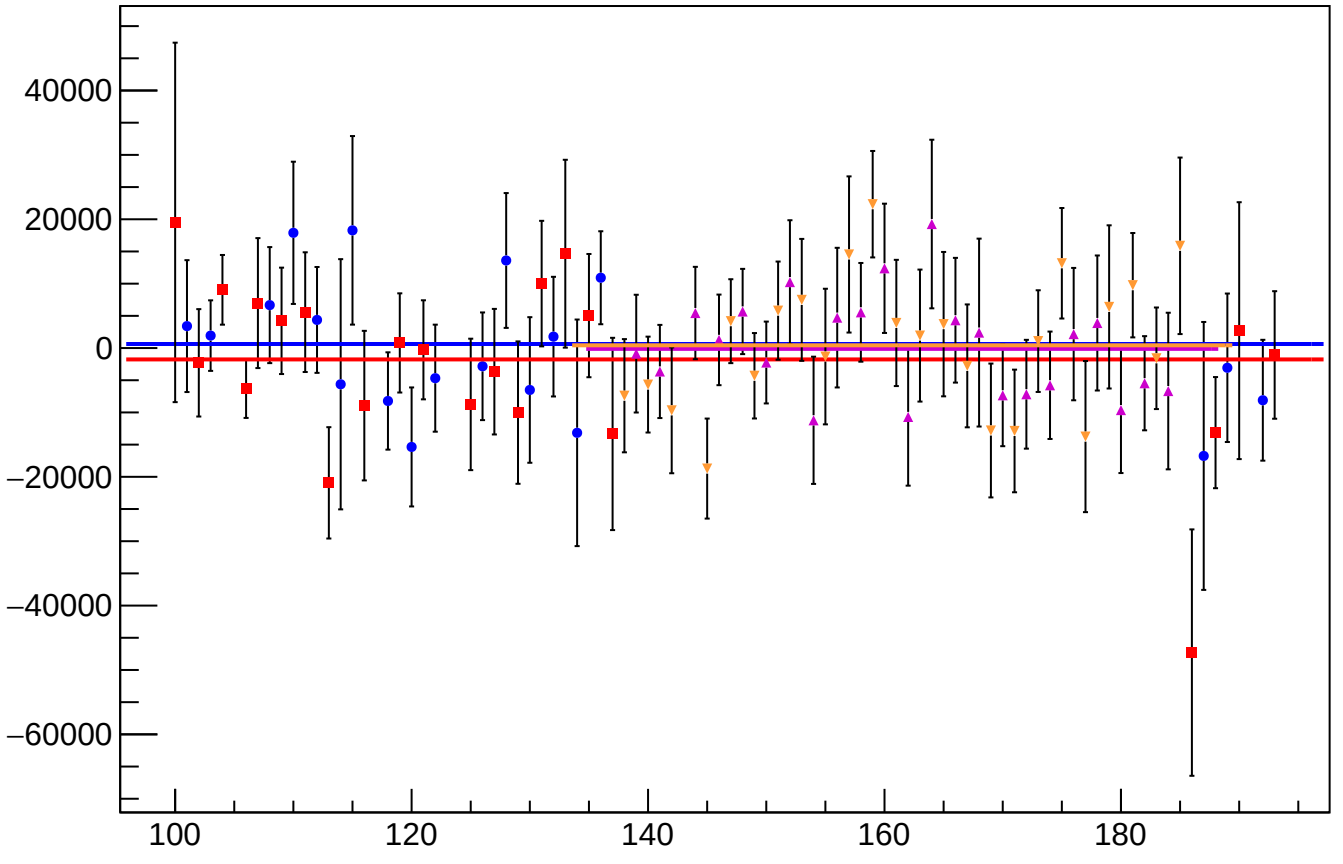
Right Out: 1484.111+/-0.344 χ^2/NDF: 518415.1/21

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1558.794+/-0.212 χ^2/NDF: 861474.4/42

All: 1557.246+/-0.149 χ^2/NDF: 1618224.7/87

- sign 1555.732+/-0.210 χ^2/NDF: 756644.8/44



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: -1766.916+/-1903.488 χ^2/NDF: 25.2/21

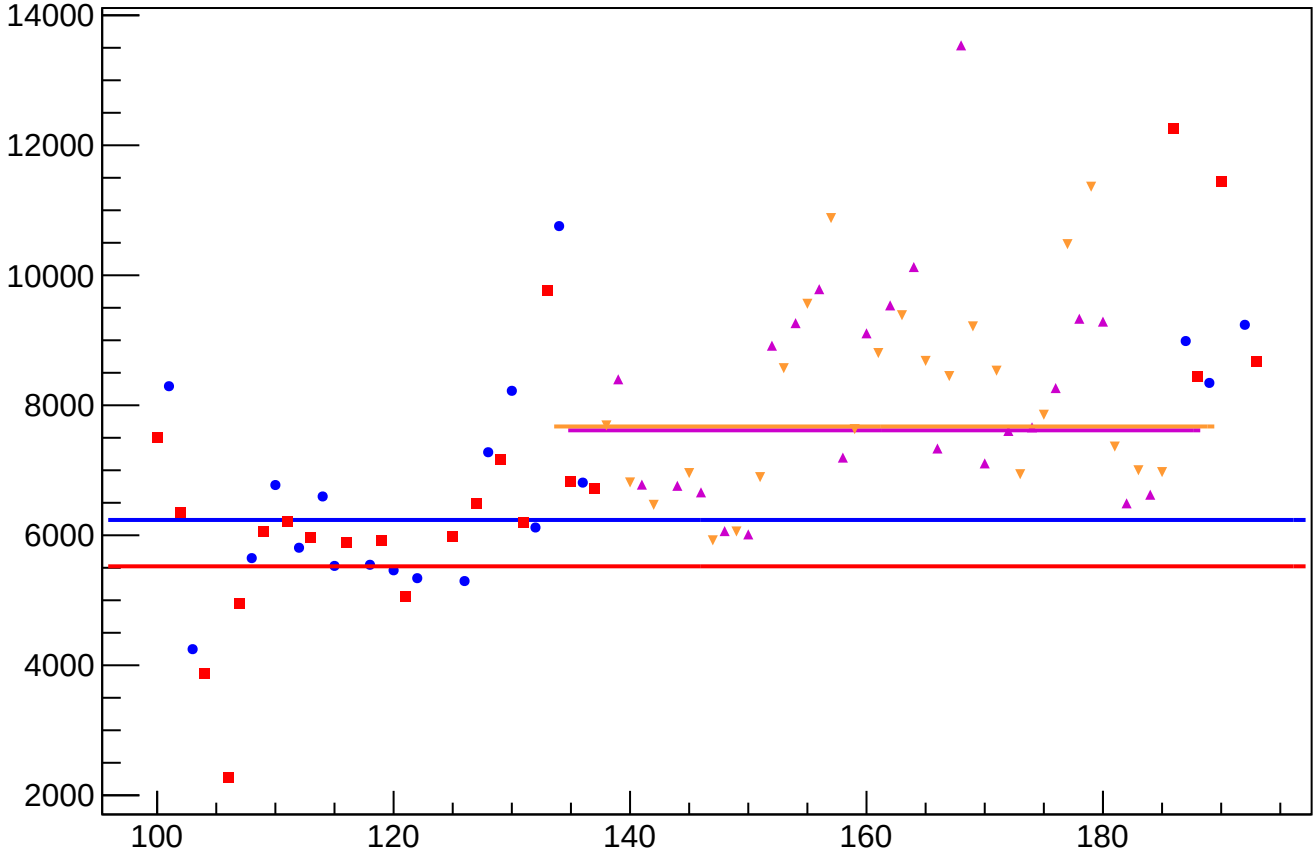
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 510.530+/-1390.062 χ^2/NDF: 45.4/42

All: -238.634+/-954.706 χ^2/NDF: 85.4/87

- sign -907.548+/-1313.503 χ^2/NDF: 39.5/44

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: 5522.535+/-1.346 χ^2/NDF: 2423849.3/21

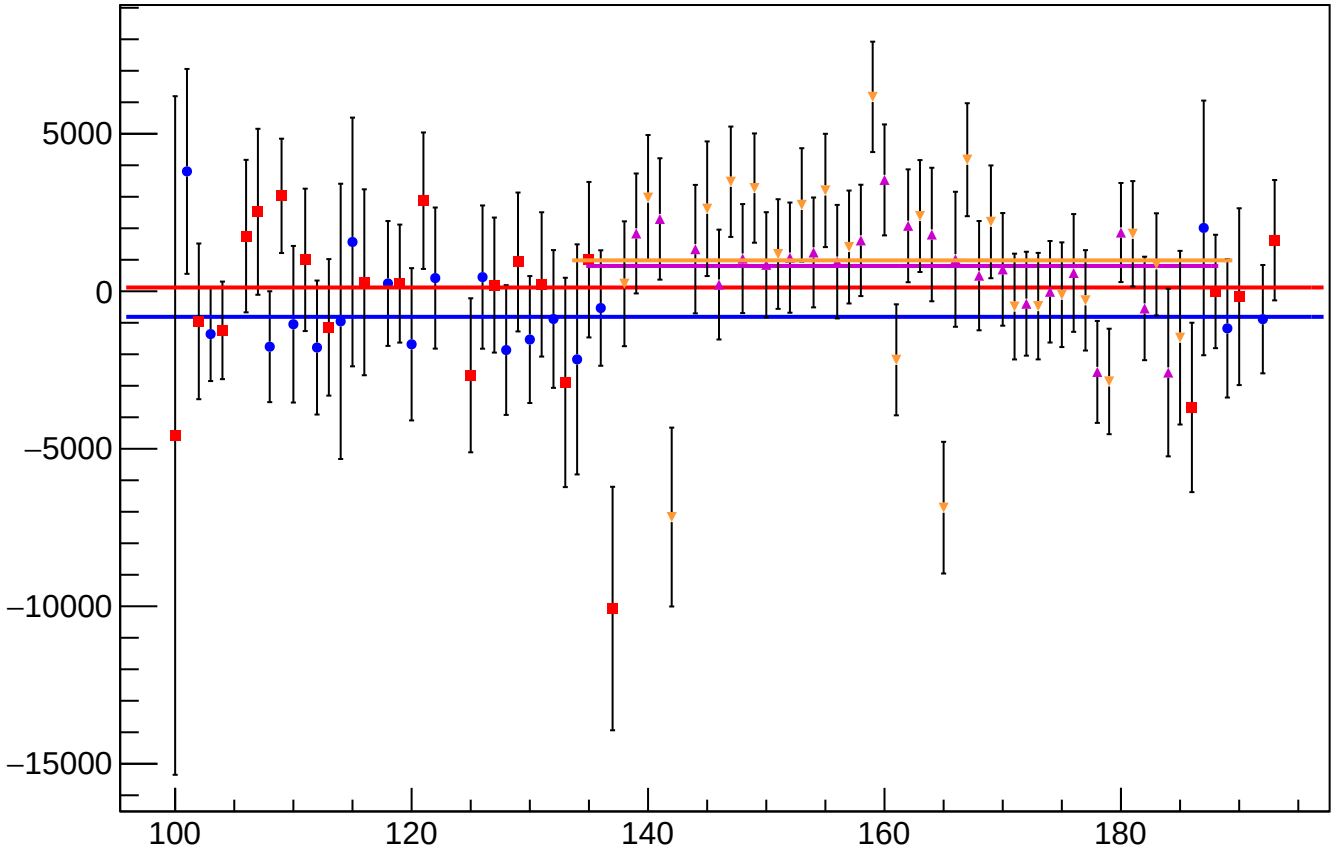
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7074.886+/-0.983 χ^2/NDF: 2577489.9/42

All: 6833.841+/-0.675 χ^2/NDF: 7605671.4/87

- sign 6618.617+/-0.929 χ^2/NDF: 4914345.6/44

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: 120.663+/-489.123 χ^2/NDF: 19.1/21

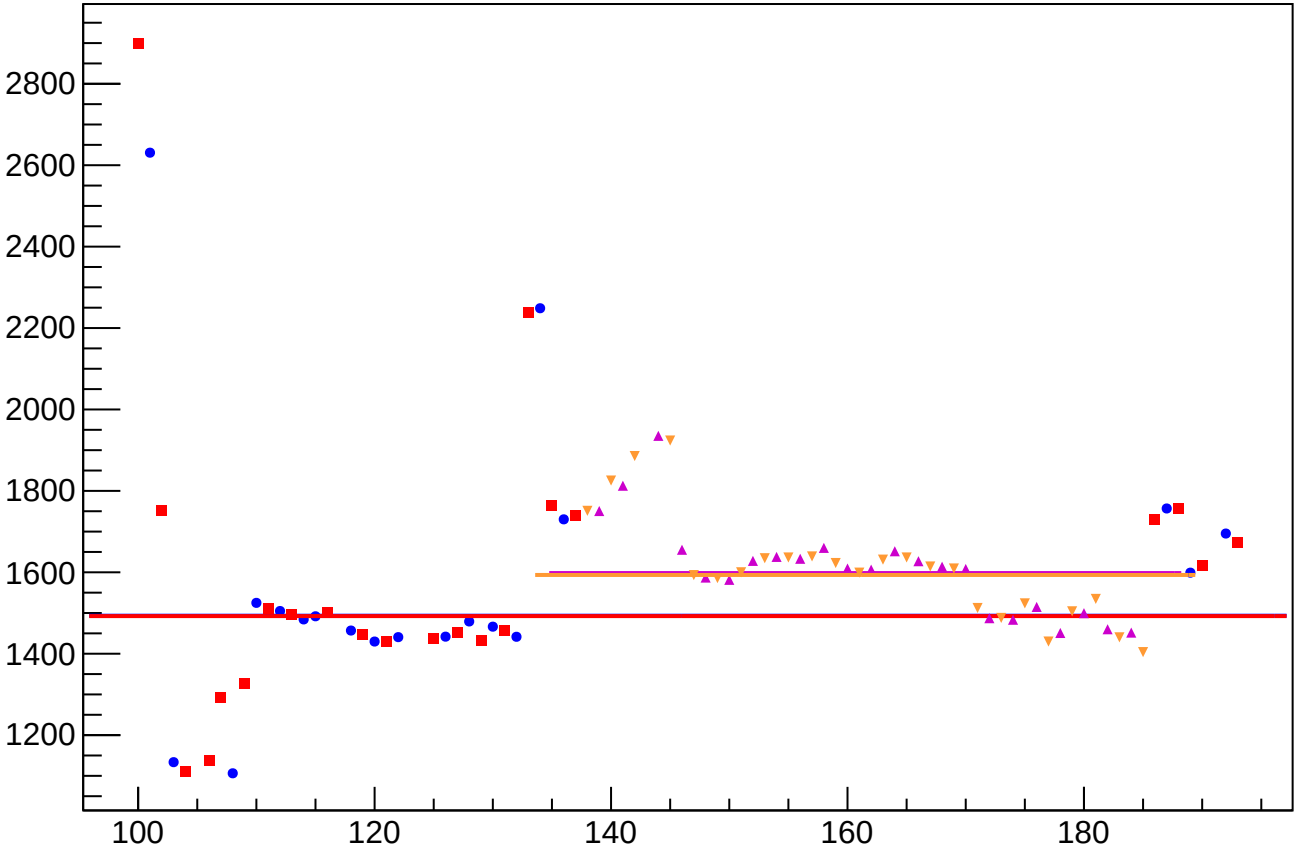
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 360.488+/-299.795 χ^2/NDF: 68.8/42

All: 456.941+/-211.040 χ^2/NDF: 101.7/87

\- sign 551.689+/-297.133 χ^2/NDF: 32.8/44

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

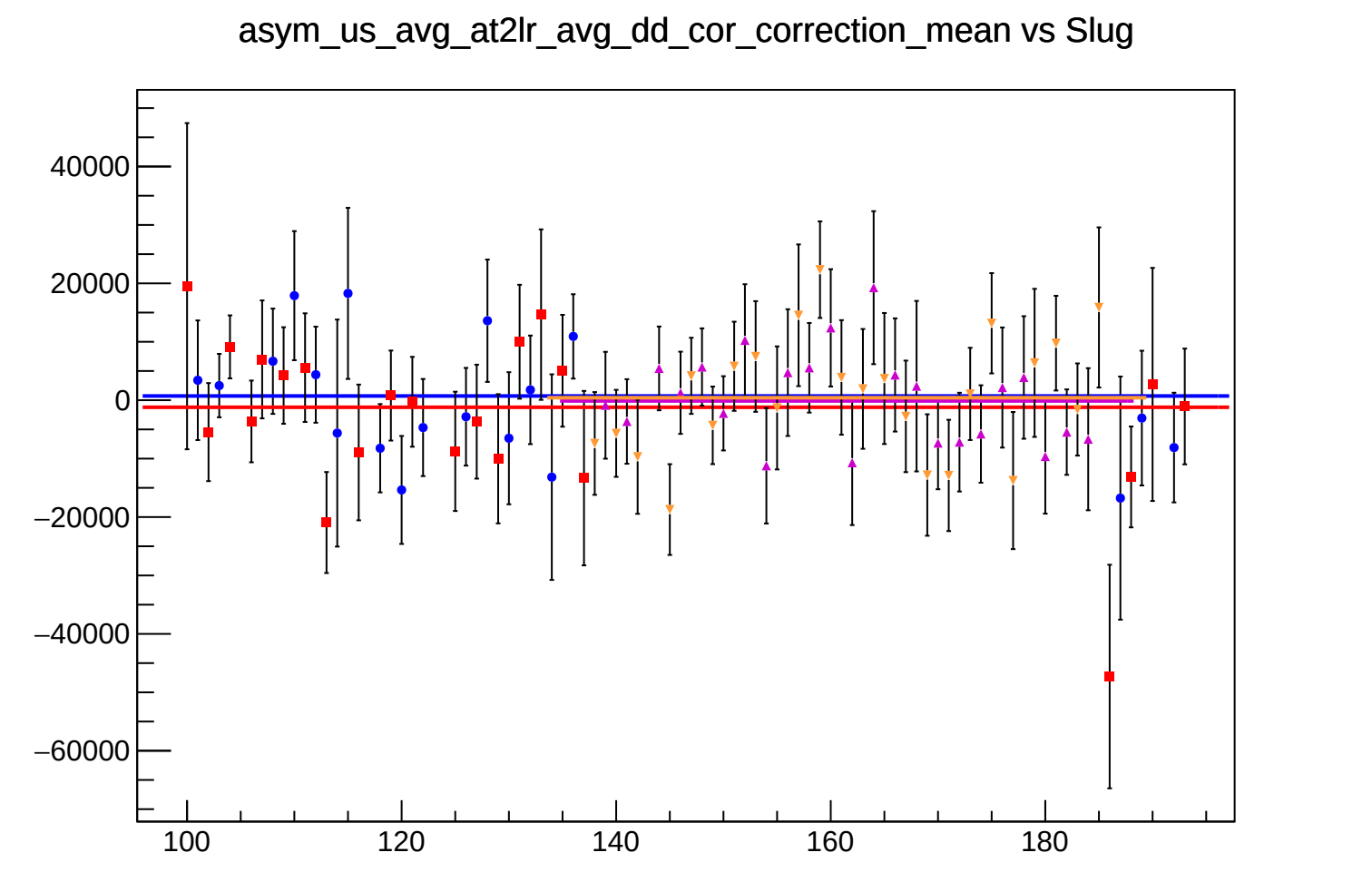
Right Out: 1492.403+/-0.345 χ^2/NDF: 473117.6/21

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1558.794+/-0.212 χ^2/NDF: 861474.8/42

All: 1558.906+/-0.149 χ^2/NDF: 1562836.1/87

- sign 1559.016+/-0.210 χ^2/NDF: 701360.7/44



Right In: 721.804+/-2150.481 χ^2/NDF: 16.1/18

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

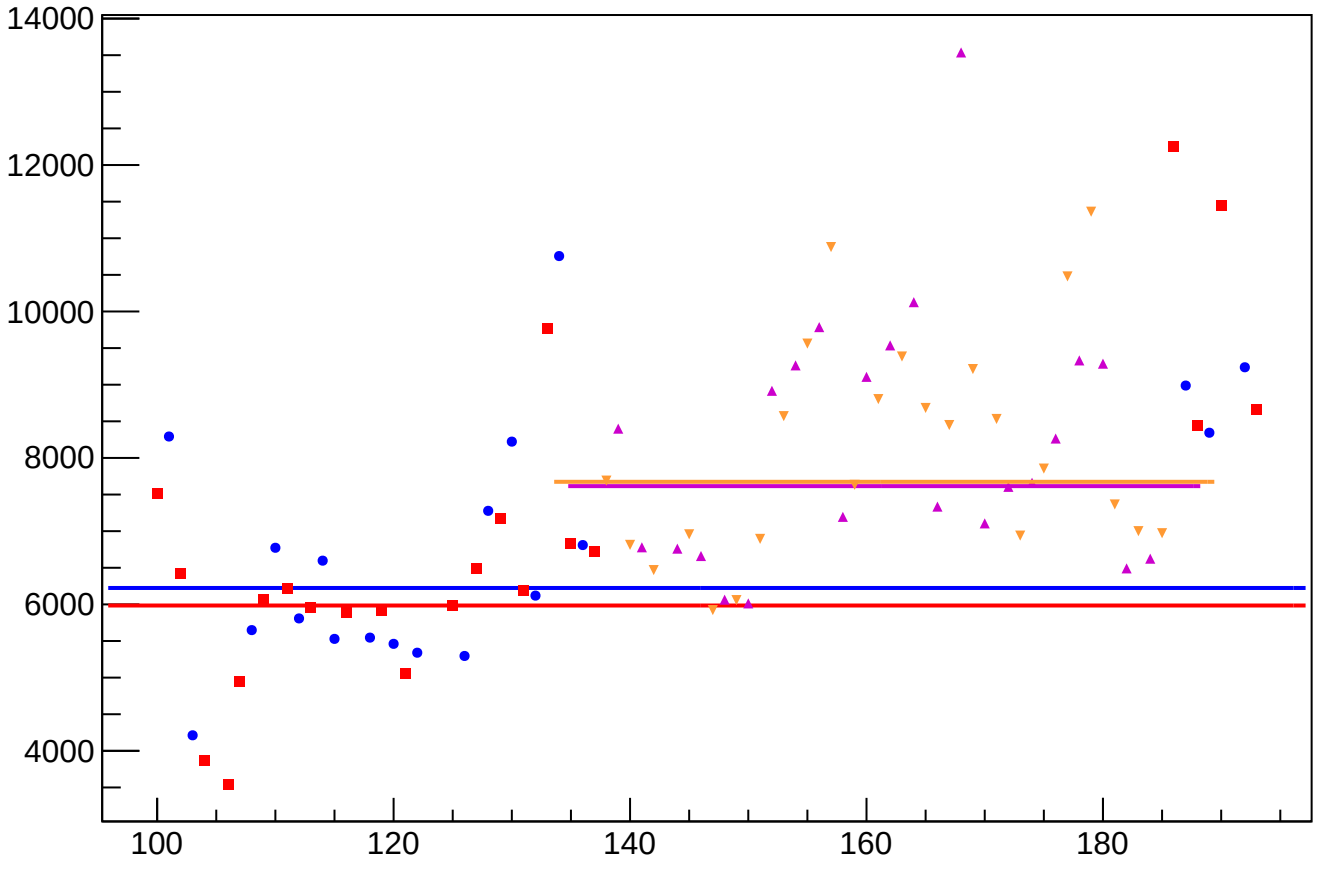
Right Out: -1209.533+/-2005.438 χ^2/NDF: 24.5/21

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 549.850+/-1389.194 χ^2/NDF: 45.4/42

All: -50.632+/-966.539 χ^2/NDF: 84.4/87

- sign -614.045+/-1345.632 χ^2/NDF: 38.6/44



Right In: 6224.155+/-1.521 χ^2/NDF: 995091.6/18

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

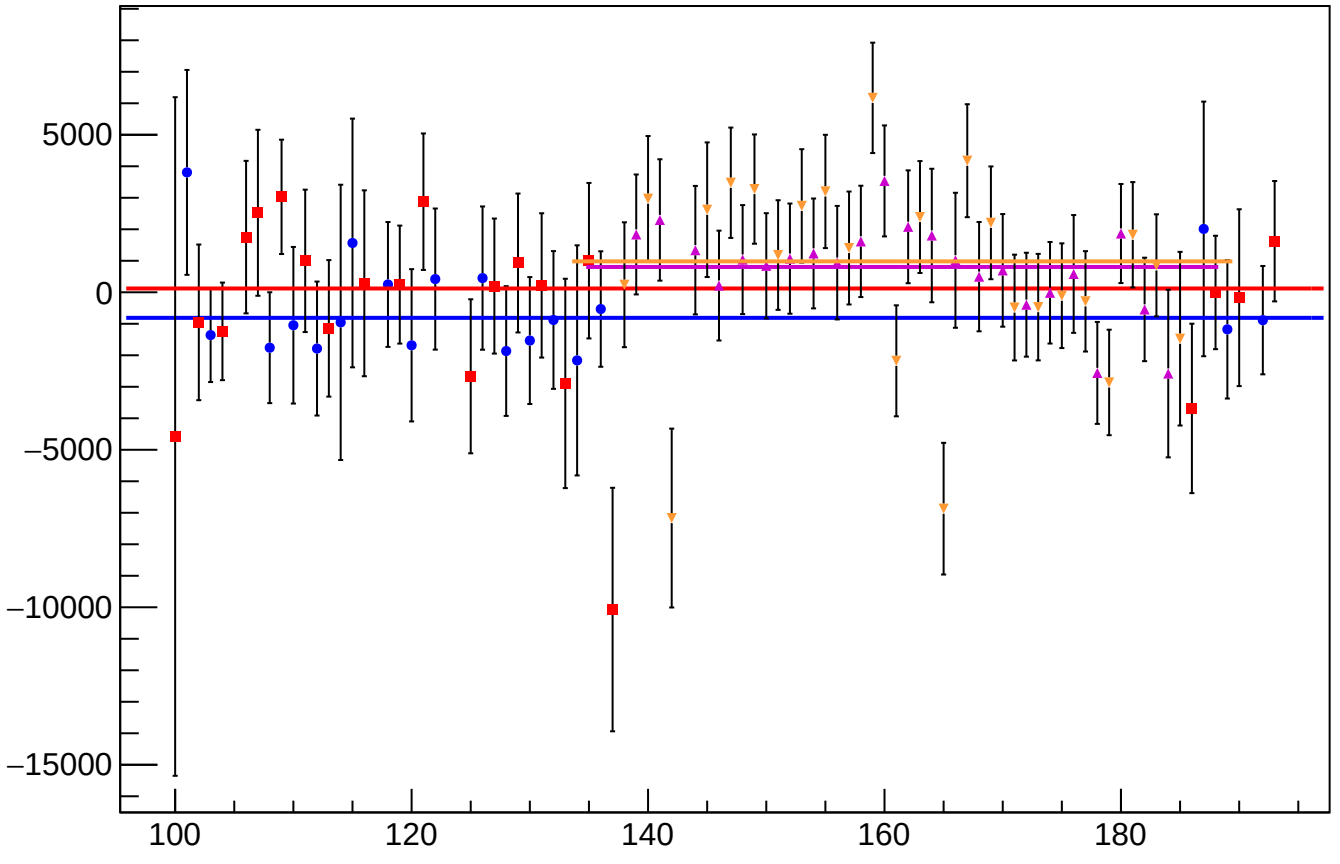
Right Out: 5984.732+/-1.418 χ^2/NDF: 1473762.2/21

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7069.008+/-0.982 χ^2/NDF: 2601565.2/42

All: 6972.002+/-0.683 χ^2/NDF: 6045349.6/87

- sign 6880.985+/-0.952 χ^2/NDF: 3424882.3/44



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: 120.663+/-489.123 χ^2/NDF: 19.1/21

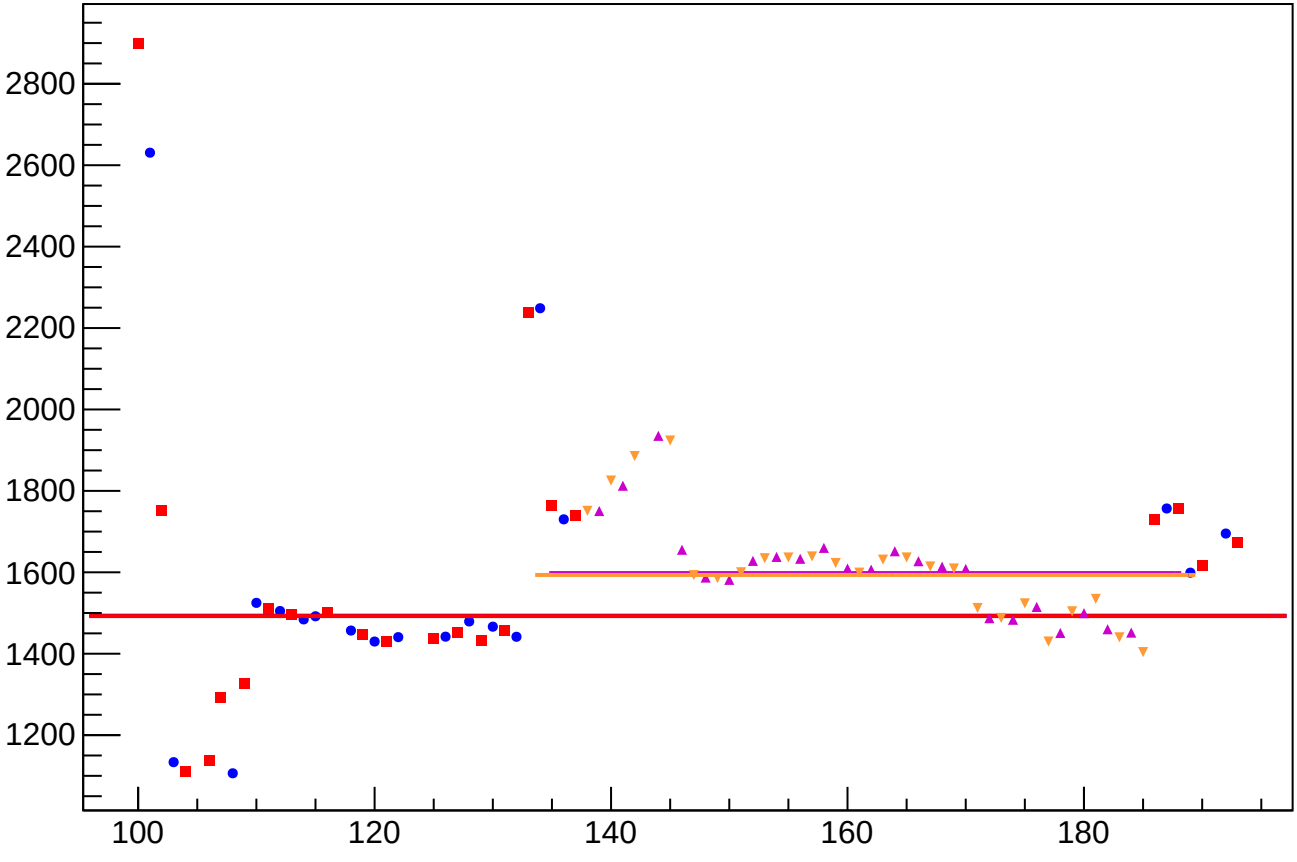
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 360.488+/-299.795 χ^2/NDF: 68.8/42

All: 456.941+/-211.040 χ^2/NDF: 101.7/87

\- sign 551.689+/-297.133 χ^2/NDF: 32.8/44

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

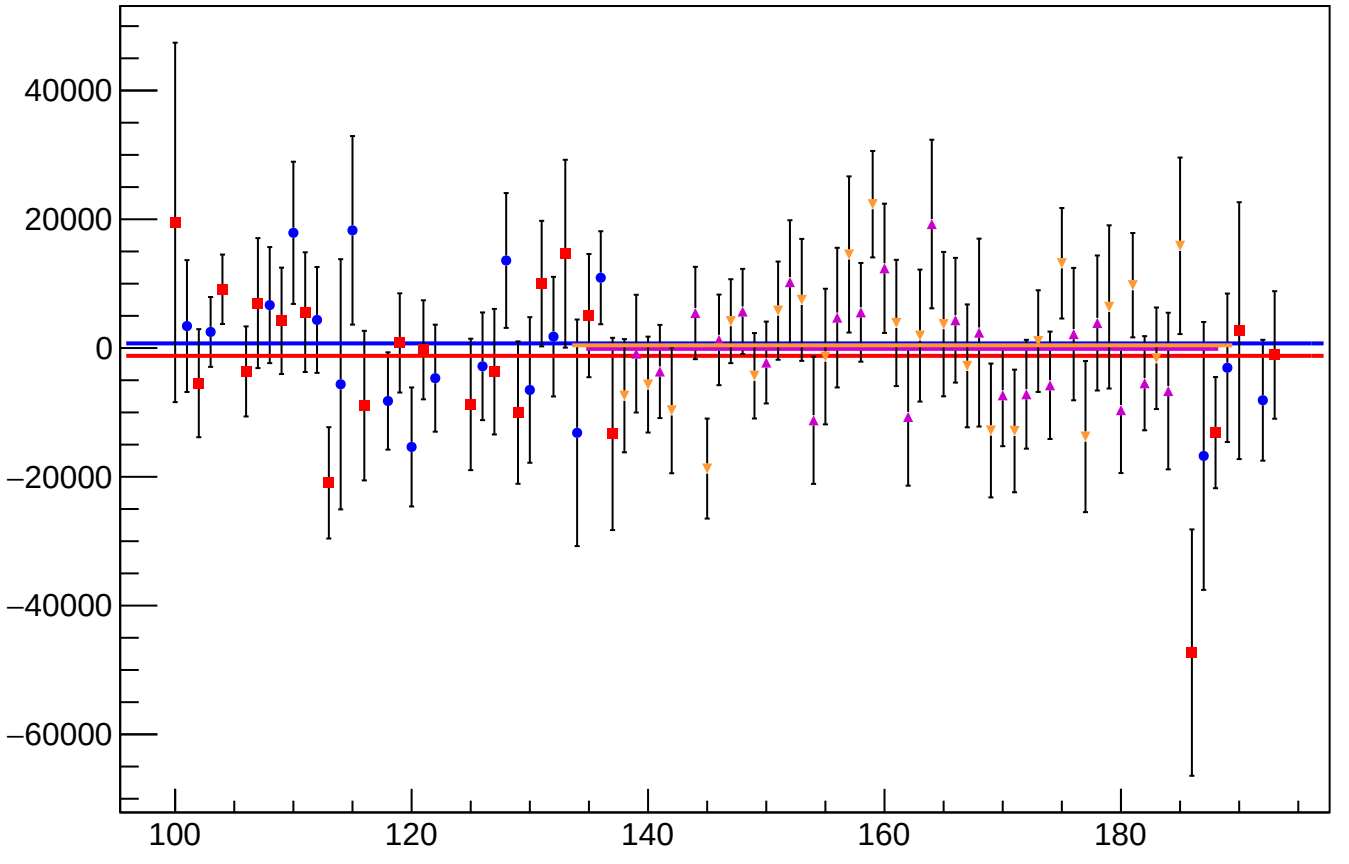
Right Out: 1492.403+/-0.345 χ^2/NDF: 473117.6/21

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1558.794+/-0.212 χ^2/NDF: 861474.8/42

All: 1558.906+/-0.149 χ^2/NDF: 1562836.1/87

- sign 1559.016+/-0.210 χ^2/NDF: 701360.7/44



Right In: 721.804+/-2150.481 χ^2/NDF: 16.1/18

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

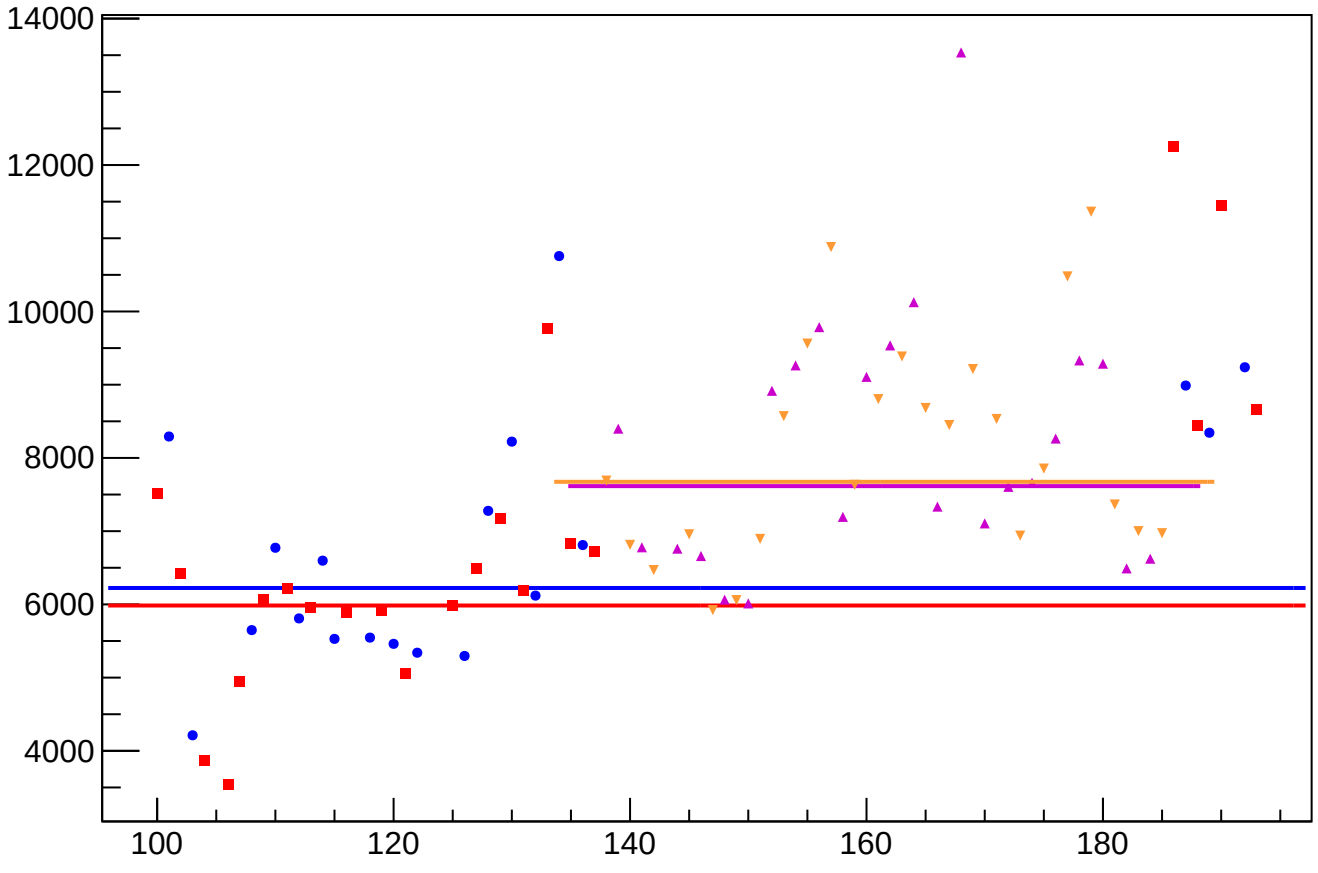
Right Out: -1209.533+/-2005.438 χ^2/NDF: 24.5/21

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 549.850+/-1389.194 χ^2/NDF: 45.4/42

All: -50.632+/-966.539 χ^2/NDF: 84.4/87

- sign -614.045+/-1345.632 χ^2/NDF: 38.6/44



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: 5984.732+/-1.418 χ^2/NDF: 1473762.2/21

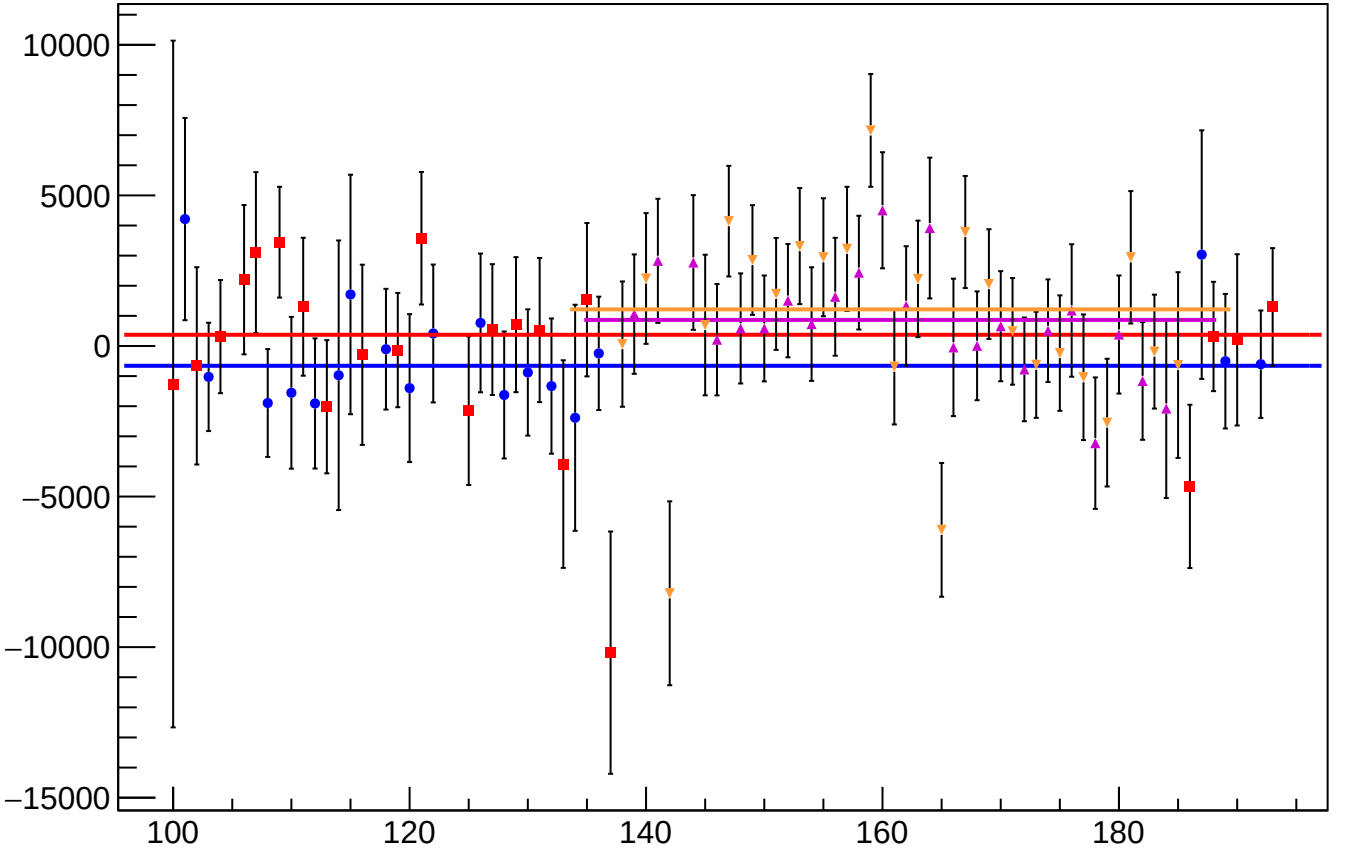
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7069.008+/-0.982 χ^2/NDF: 2601565.2/42

All: 6972.002+/-0.683 χ^2/NDF: 6045349.6/87

- sign 6880.985+/-0.952 χ^2/NDF: 3424882.3/44

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: 372.165+/-509.746 χ^2/NDF: 21.5/21

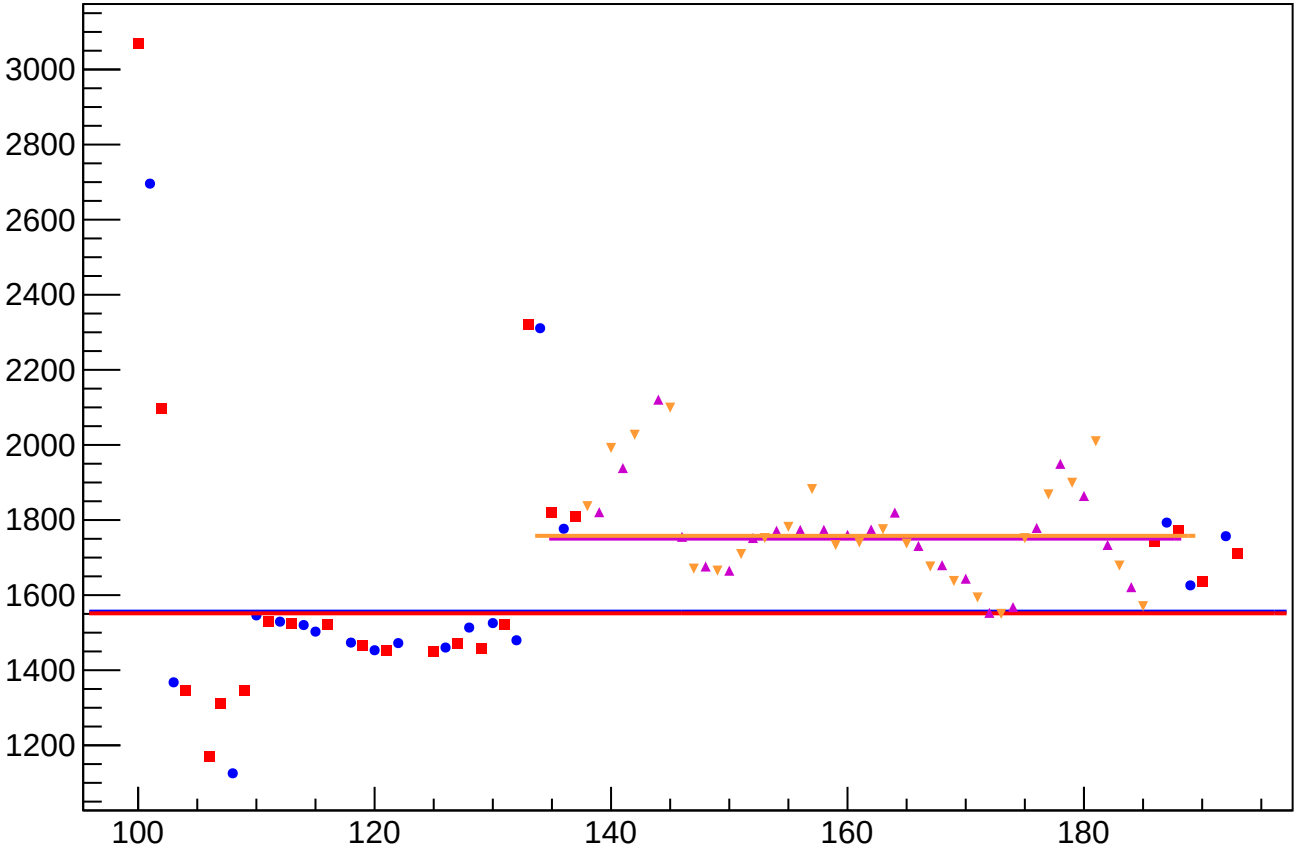
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

\+ sign 514.223+/-323.981 χ^2/NDF: 61.9/42

All: 594.214+/-227.488 χ^2/NDF: 99.2/87

\- sign 672.007+/-319.500 χ^2/NDF: 37.2/44

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

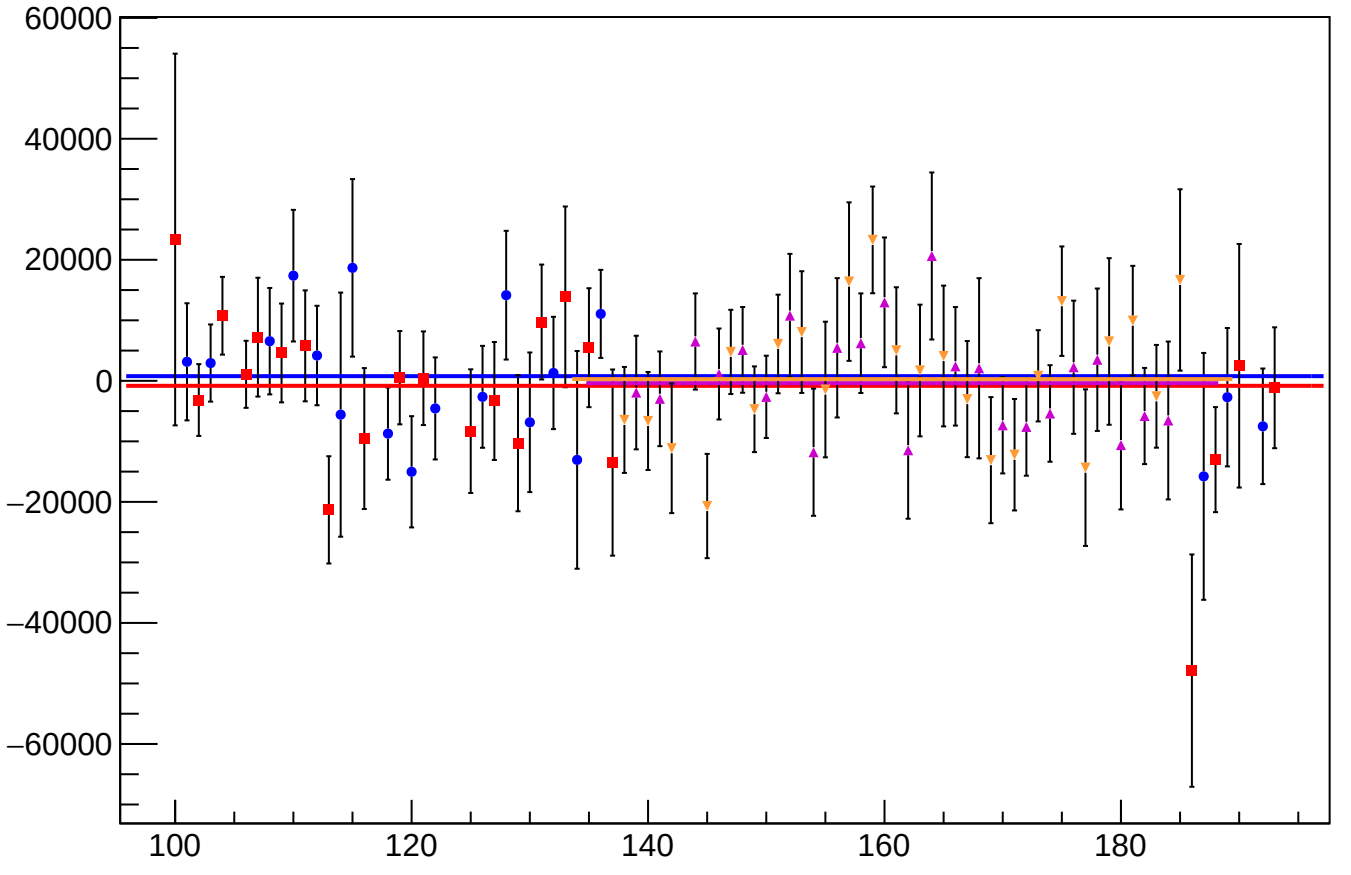
Right Out: 1551.540+/-0.360 χ^2/NDF: 407353.1/21

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1682.365+/-0.229 χ^2/NDF: 923172.7/42

All: 1677.263+/-0.161 χ^2/NDF: 1688391.5/87

- sign 1672.302+/-0.226 χ^2/NDF: 764240.4/44



Right In: 773.494+/-2198.979 χ^2/NDF: 15.9/18

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

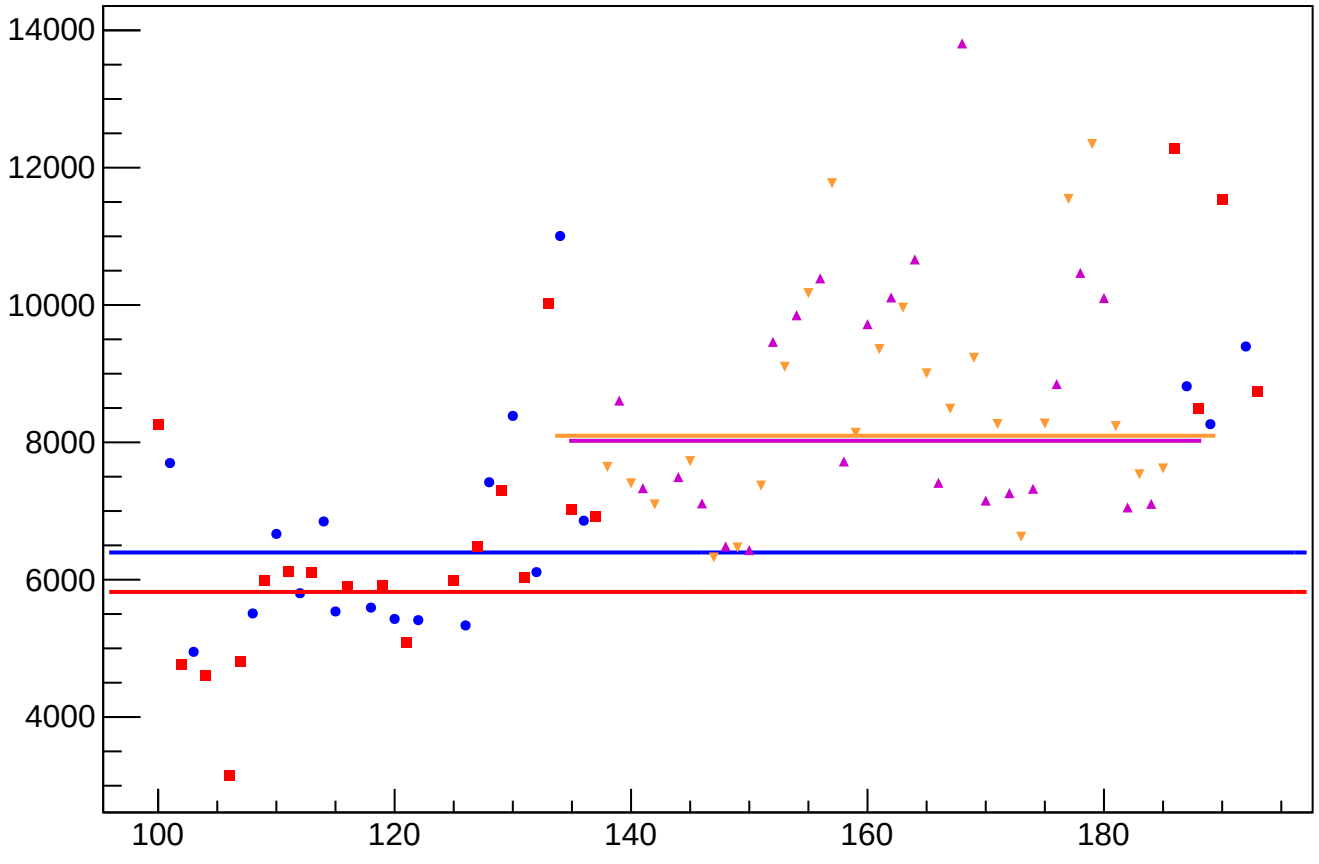
Right Out: -823.004+/-1946.472 χ^2/NDF: 24.4/21

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 496.287+/-1446.343 χ^2/NDF: 44.6/42

All: -83.330+/-992.386 χ^2/NDF: 82.9/87

- sign -598.943+/-1364.152 χ^2/NDF: 38.0/44



Right In: 6396.314+/-1.555 χ^2/NDF: 780783.8/18

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

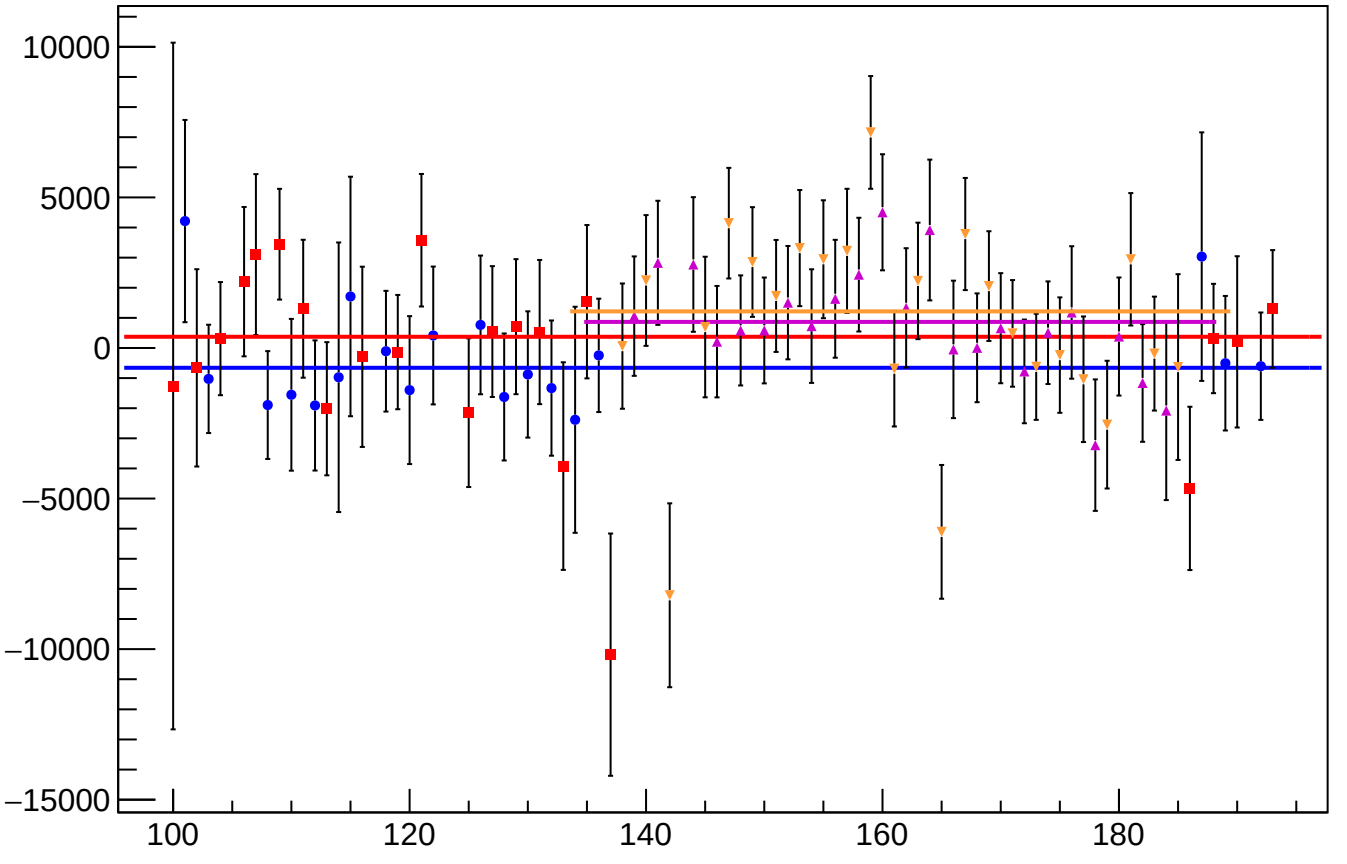
Right Out: 5821.742+/-1.376 χ^2/NDF: 1648958.0/21

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7361.159+/-1.023 χ^2/NDF: 2547190.0/42

All: 7139.160+/-0.702 χ^2/NDF: 6811926.7/87

- sign 6941.674+/-0.965 χ^2/NDF: 4175703.0/44



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: 372.175+/-509.746 χ^2/NDF: 21.5/21

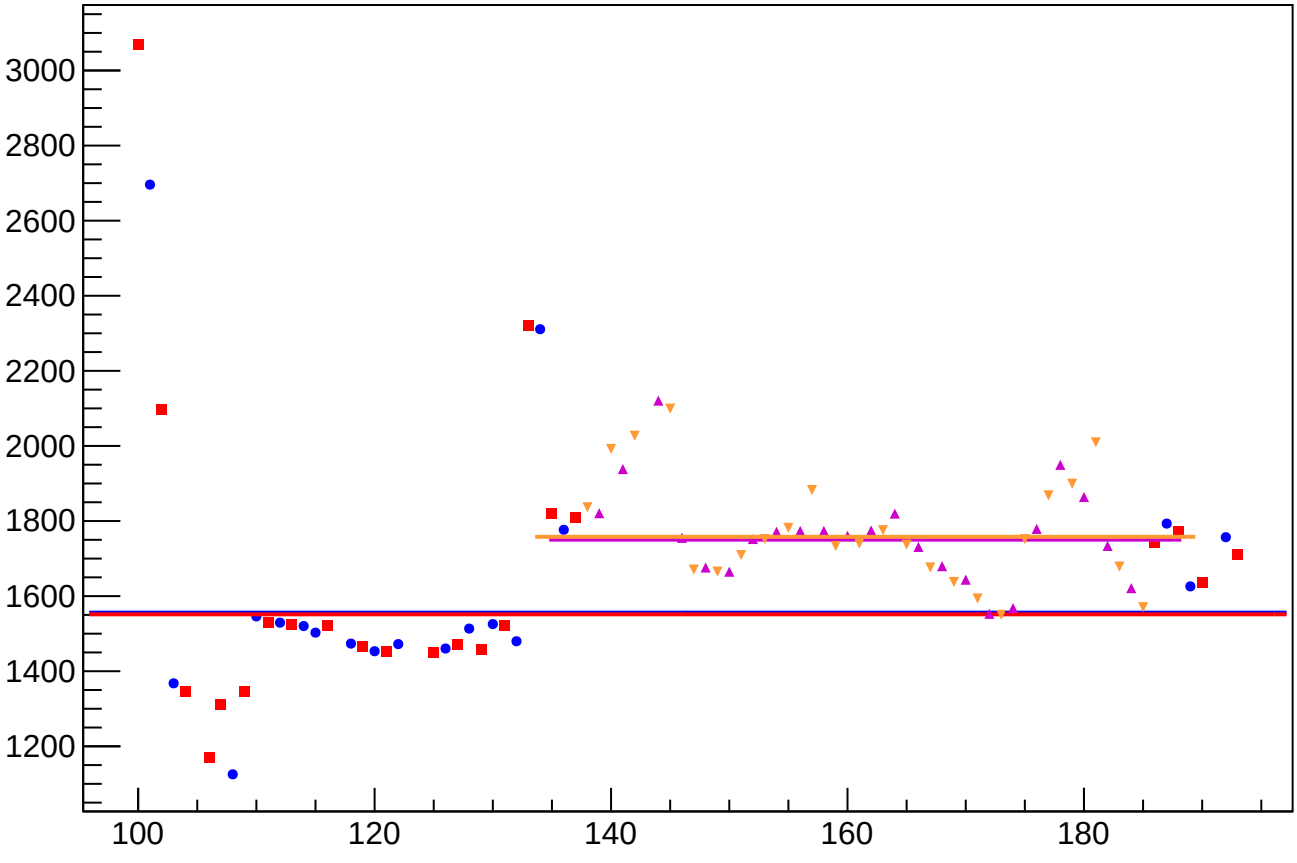
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

\+ sign 514.224+/-323.982 χ^2/NDF: 61.9/42

All: 594.216+/-227.489 χ^2/NDF: 99.2/87

\- sign 672.010+/-319.500 χ^2/NDF: 37.2/44

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

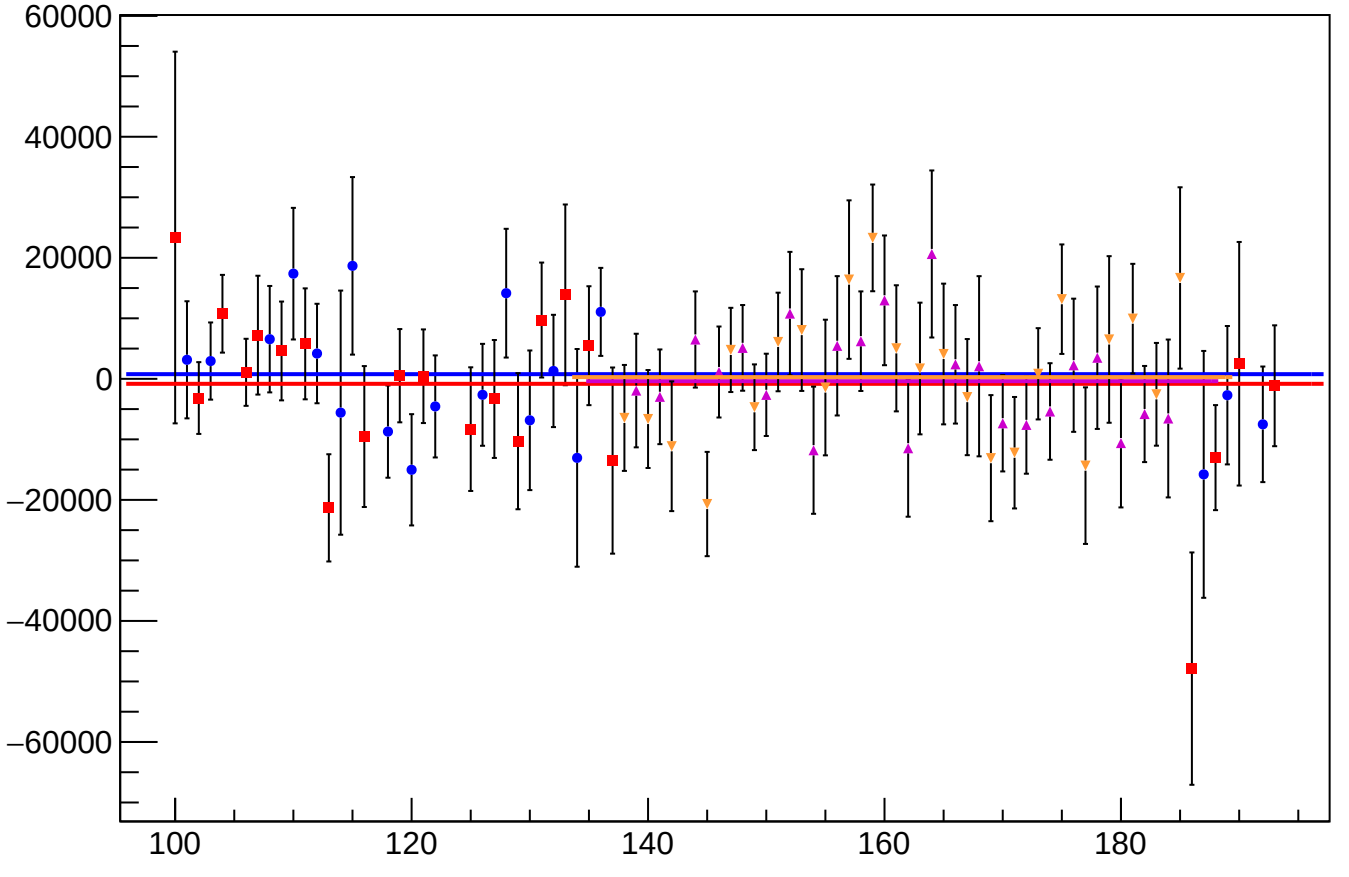
Right Out: 1551.540+/-0.360 χ^2/NDF: 407353.1/21

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1682.367+/-0.229 χ^2/NDF: 923185.2/42

All: 1677.264+/-0.161 χ^2/NDF: 1688416.8/87

- sign 1672.303+/-0.226 χ^2/NDF: 764253.3/44



Right In: 773.479+/-2198.975 χ^2/NDF: 15.9/18

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

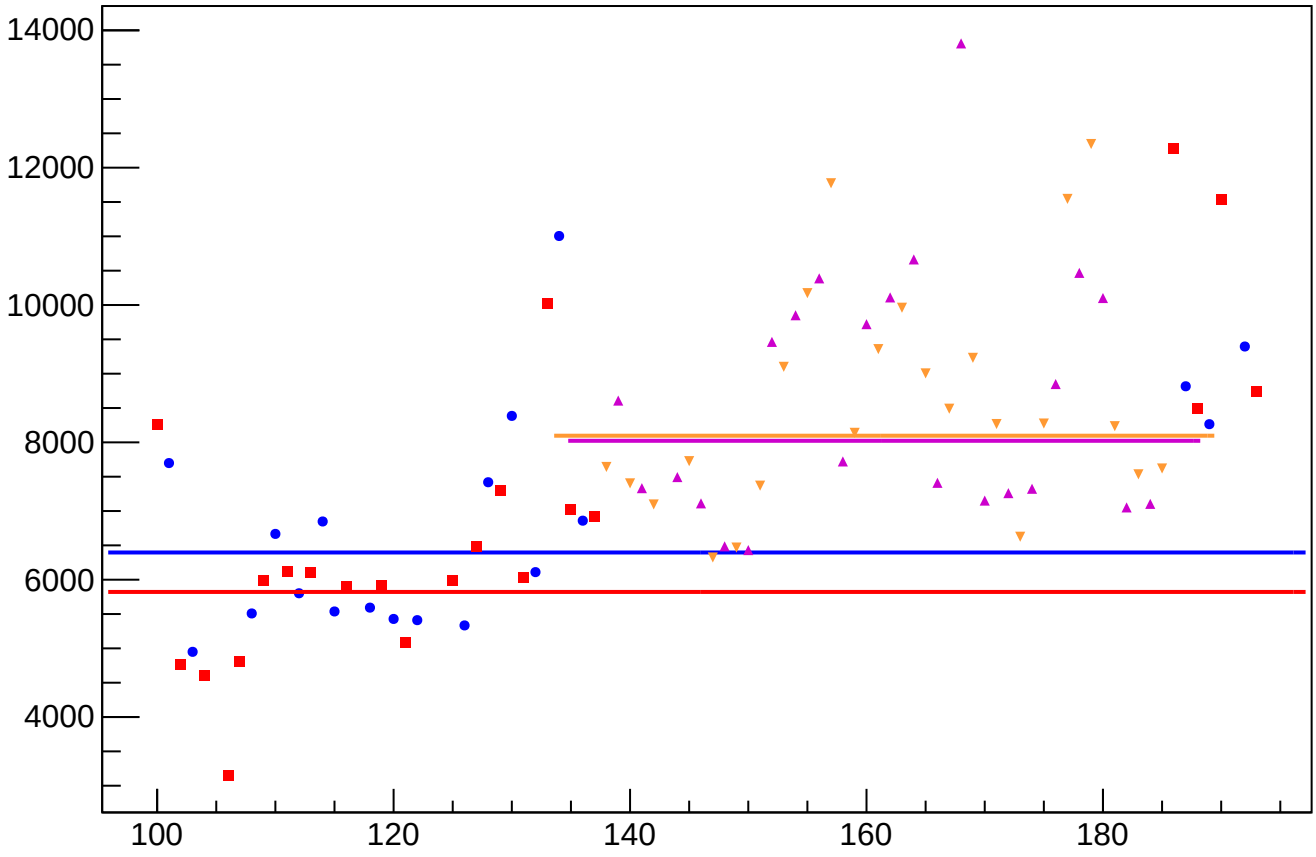
Right Out: -822.993+/-1946.469 χ^2/NDF: 24.4/21

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 496.282+/-1446.343 χ^2/NDF: 44.6/42

All: -83.330+/-992.386 χ^2/NDF: 82.9/87

- sign -598.940+/-1364.152 χ^2/NDF: 38.0/44



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: 5821.731+/-1.376 χ^2/NDF: 1648964.8/21

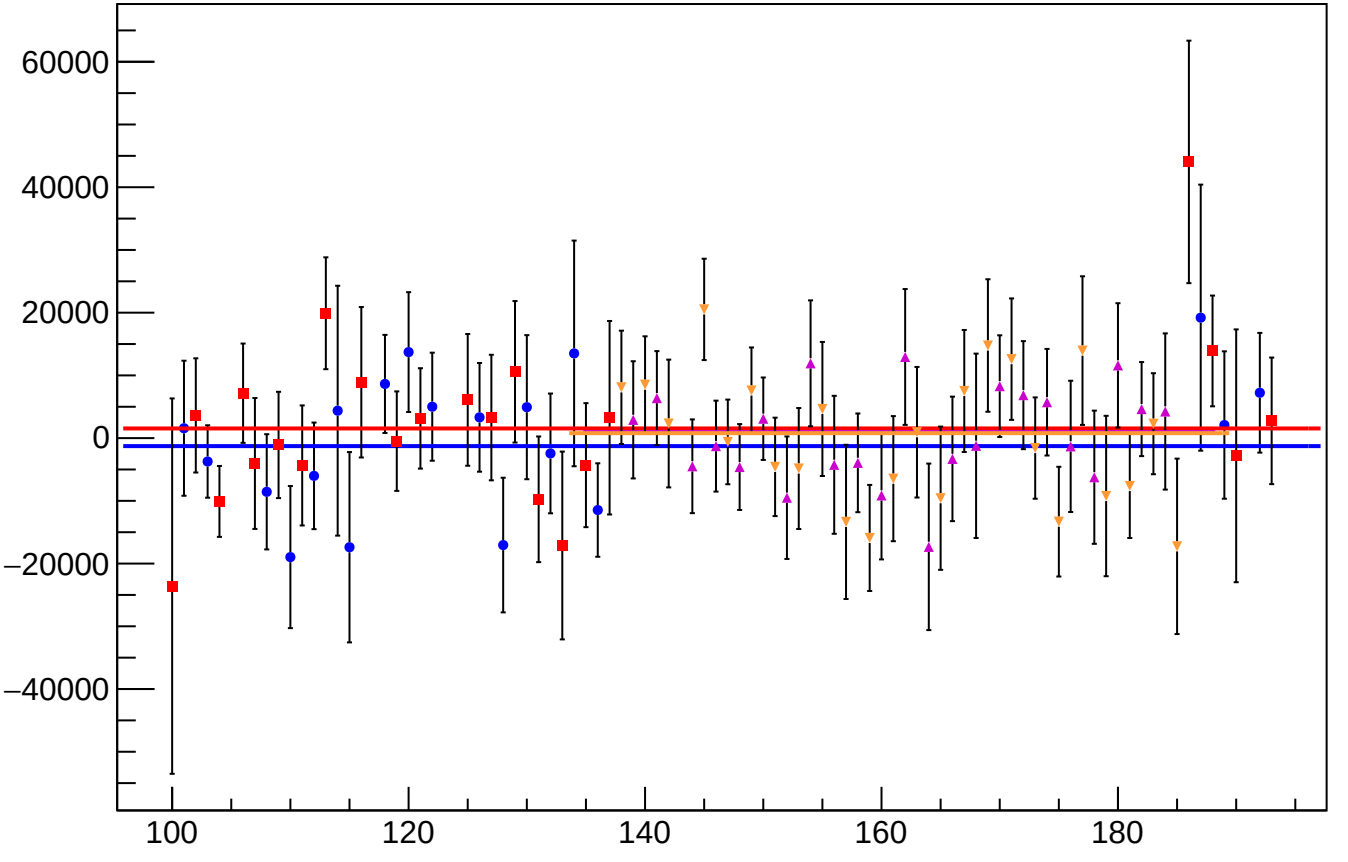
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7361.157+/-1.023 χ^2/NDF: 2547220.4/42

All: 7139.157+/-0.702 χ^2/NDF: 6811995.9/87

- sign 6941.672+/-0.965 χ^2/NDF: 4175741.1/44

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: 1542.074+/-2089.297 χ^2/NDF: 21.9/21

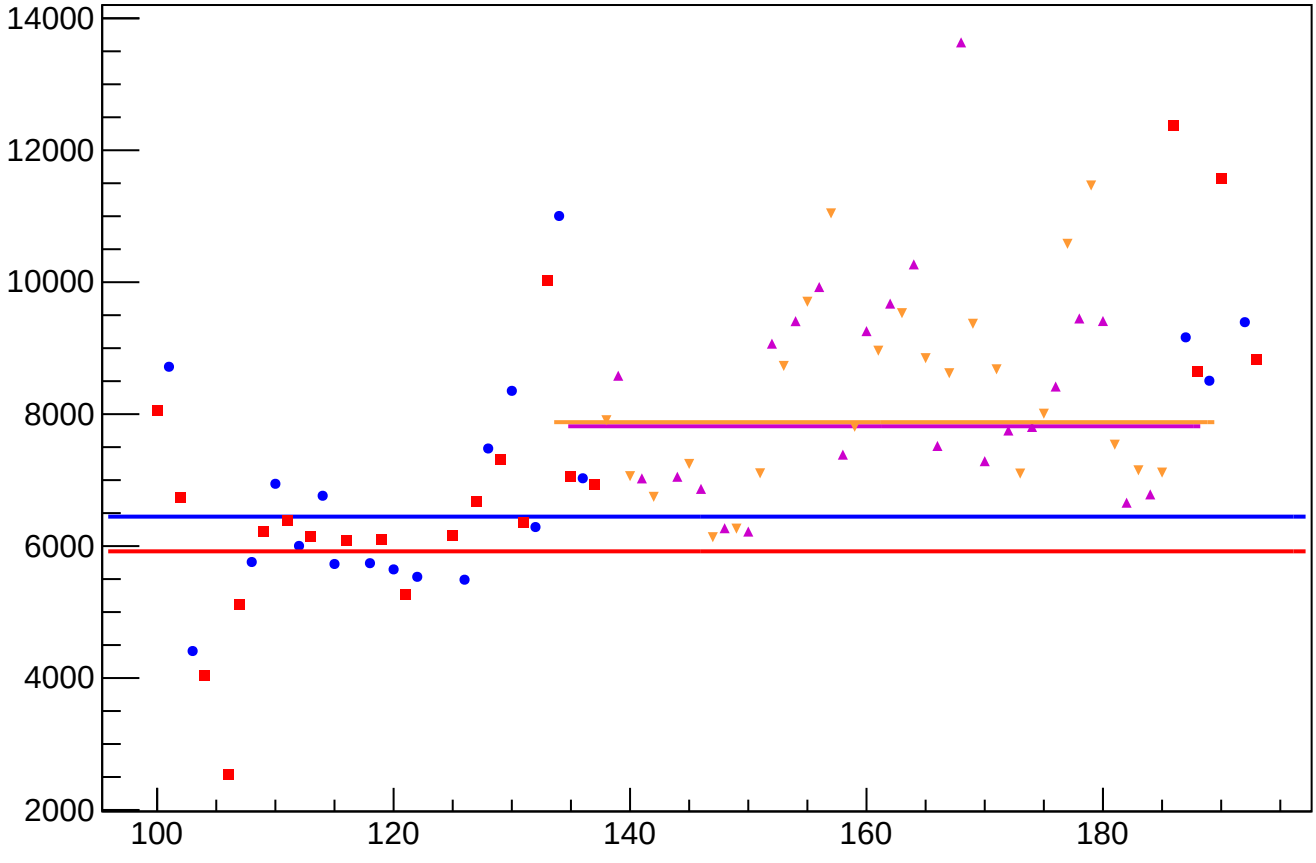
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign -60.789+/-1429.512 χ^2/NDF: 44.2/42

All: 597.687+/-996.263 χ^2/NDF: 79.4/87

- sign 1219.557+/-1389.210 χ^2/NDF: 34.7/44

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

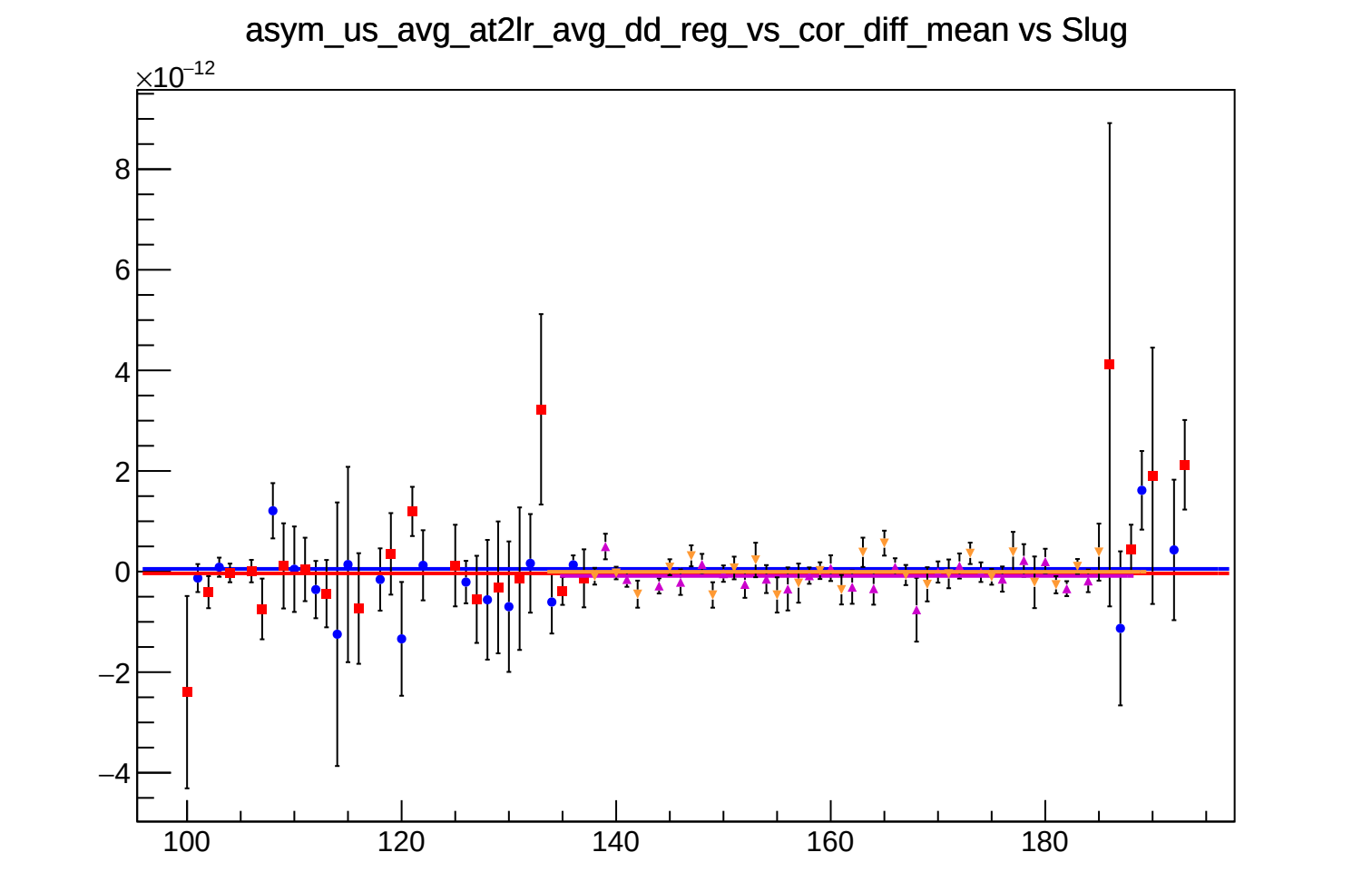
Right Out: 5920.475+/-1.430 χ^2/NDF: 1967853.0/21

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7287.757+/-1.011 χ^2/NDF: 2416867.5/42

All: 7110.516+/-0.699 χ^2/NDF: 6528077.2/87

- sign 6947.921+/-0.968 χ^2/NDF: 4052258.8/44



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

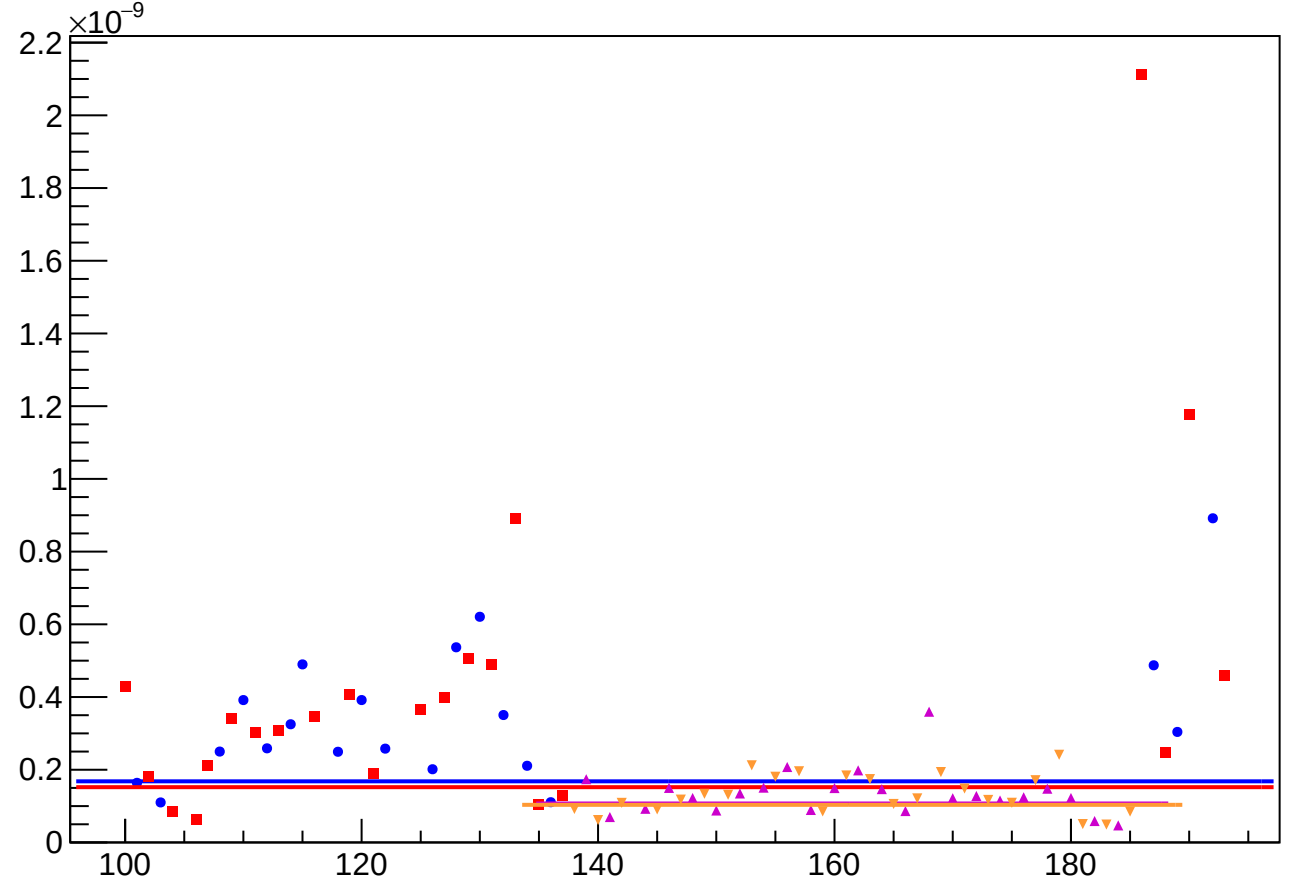
Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/21

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: 89.7/87

- sign -0.000+/-0.000 χ^2/NDF: 44.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 2025123.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

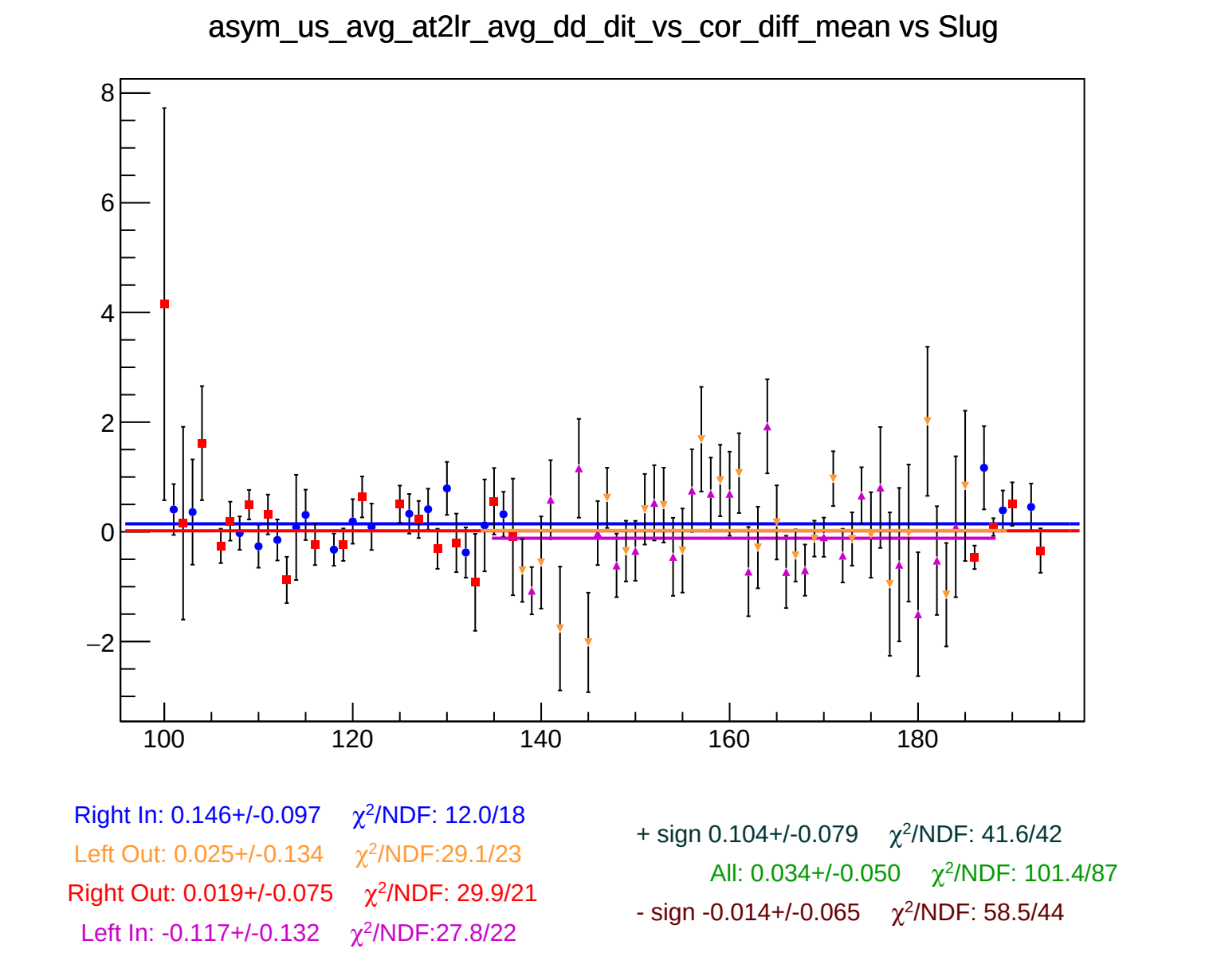
Right Out: 0.000+/-0.000 χ^2/NDF: 3155518.6/21

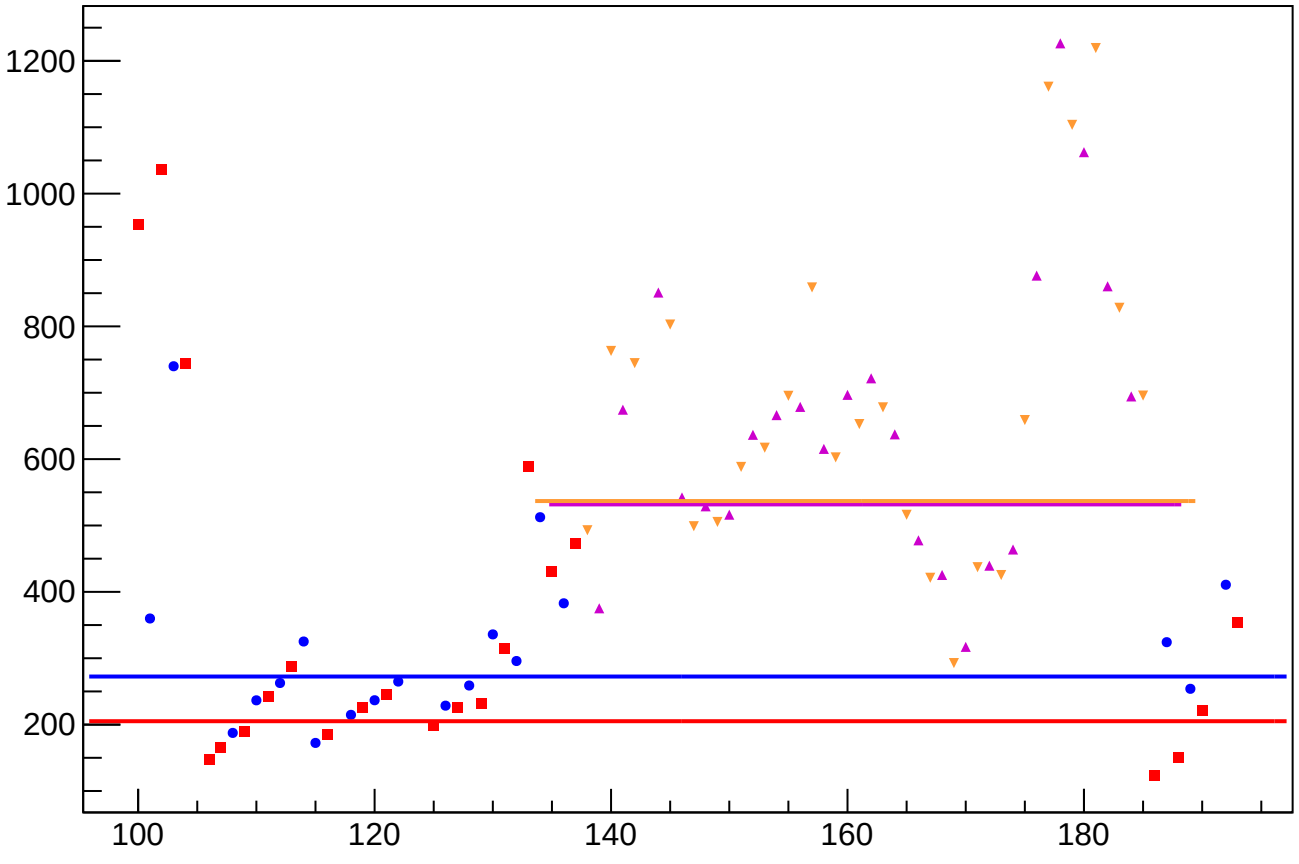
Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4603925.4/42

All: 0.000+/-0.000 χ^2/NDF: 9692280.4/87

- sign 0.000+/-0.000 χ^2/NDF: 5087528.3/44


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
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: 0.019+/-0.075 χ²/NDF: 29.9/21
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.104+/-0.079 χ²/NDF: 41.6/42
All: 0.034+/-0.050 χ²/NDF: 101.4/87
- sign -0.014+/-0.065 χ²/NDF: 58.5/44



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: 205.145+/-0.053 χ^2/NDF: 2988934.1/21

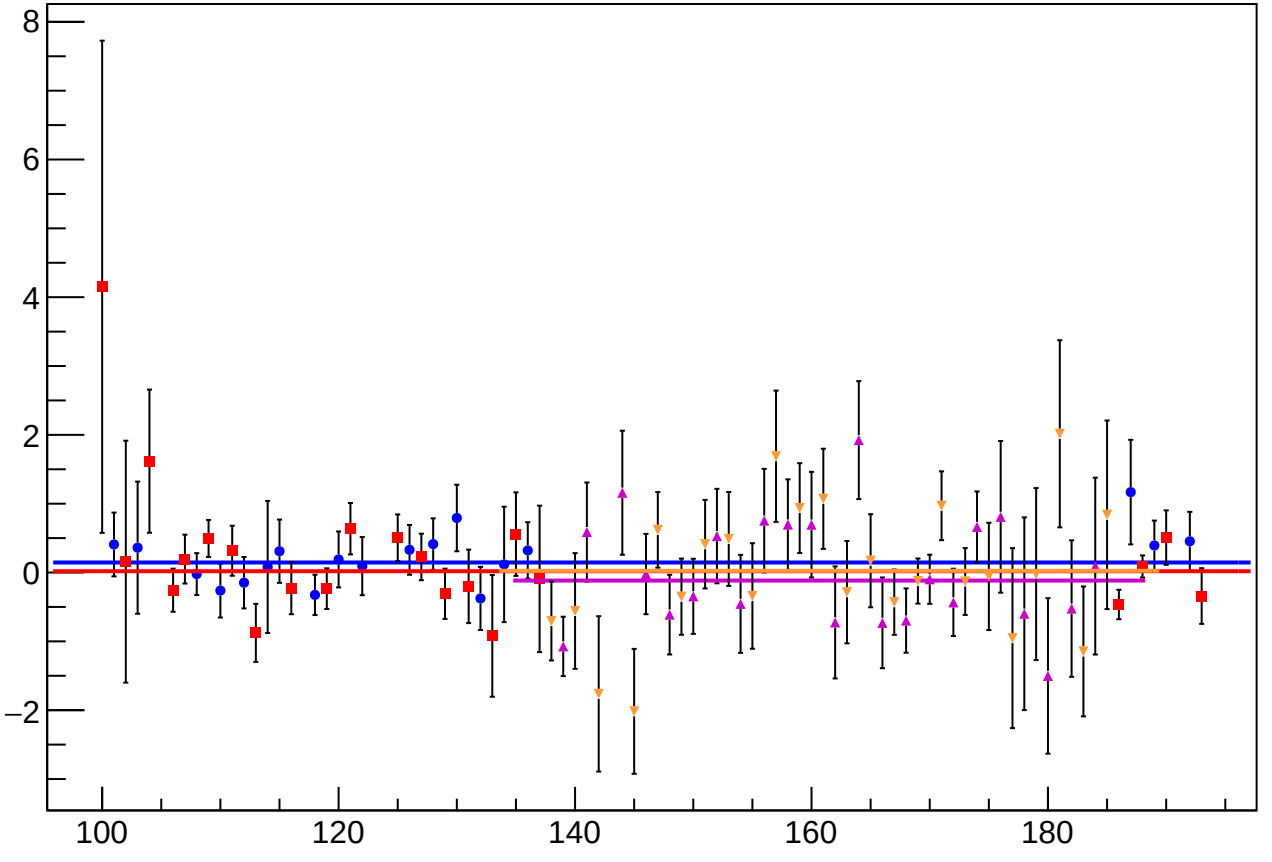
Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 363.871+/-0.056 χ^2/NDF: 10576981.7/42

All: 316.575+/-0.036 χ^2/NDF: 27377991.2/87

- sign 284.207+/-0.046 χ^2/NDF: 15586813.5/44

asym_us_avg_at2lr_avg_dd_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

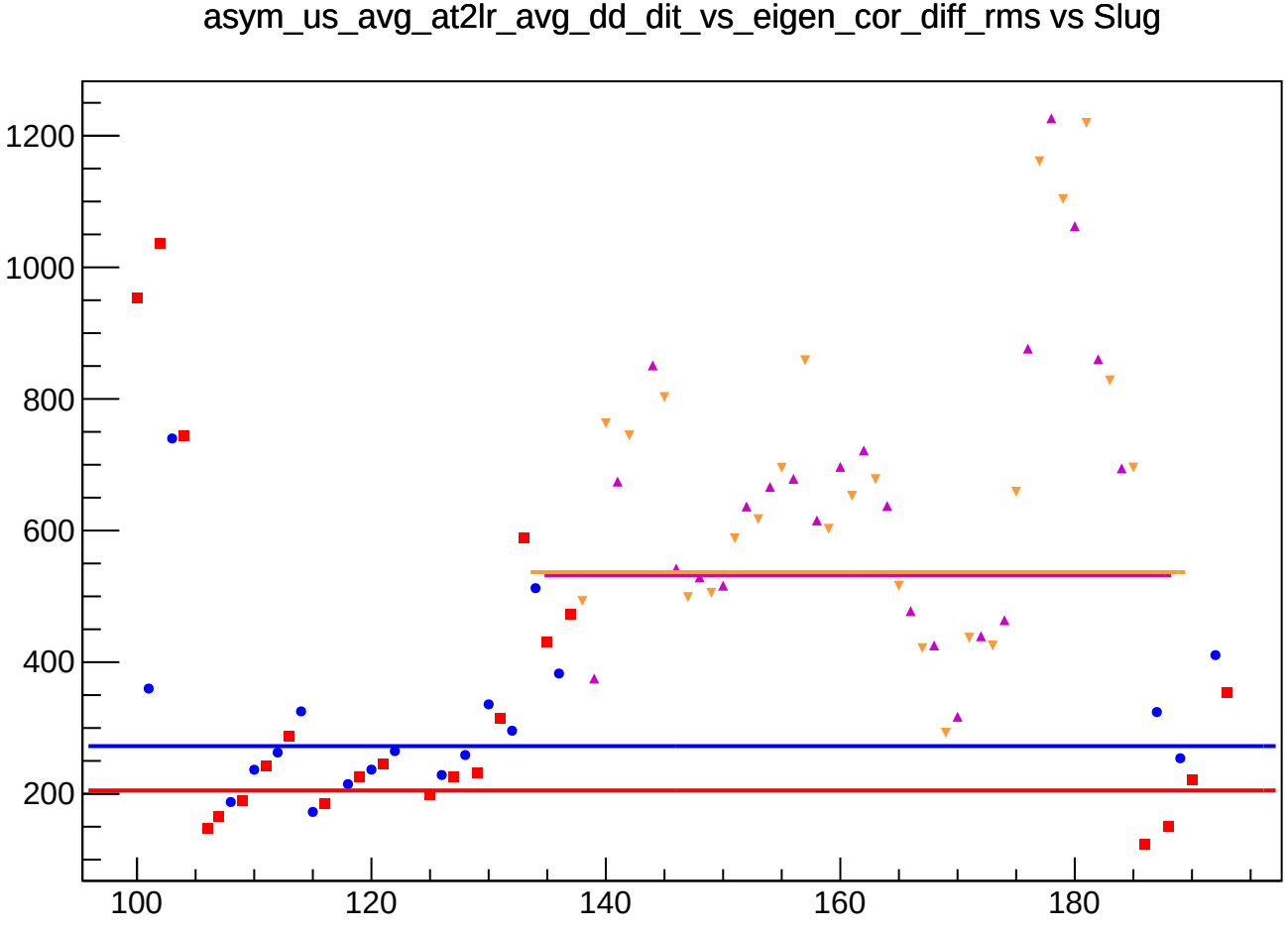
Right Out: 0.019+/-0.075 χ^2/NDF: 29.9/21

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.104+/-0.079 χ^2/NDF: 41.6/42

All: 0.034+/-0.050 χ^2/NDF: 101.4/87

- sign -0.014+/-0.065 χ^2/NDF: 58.5/44


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1200
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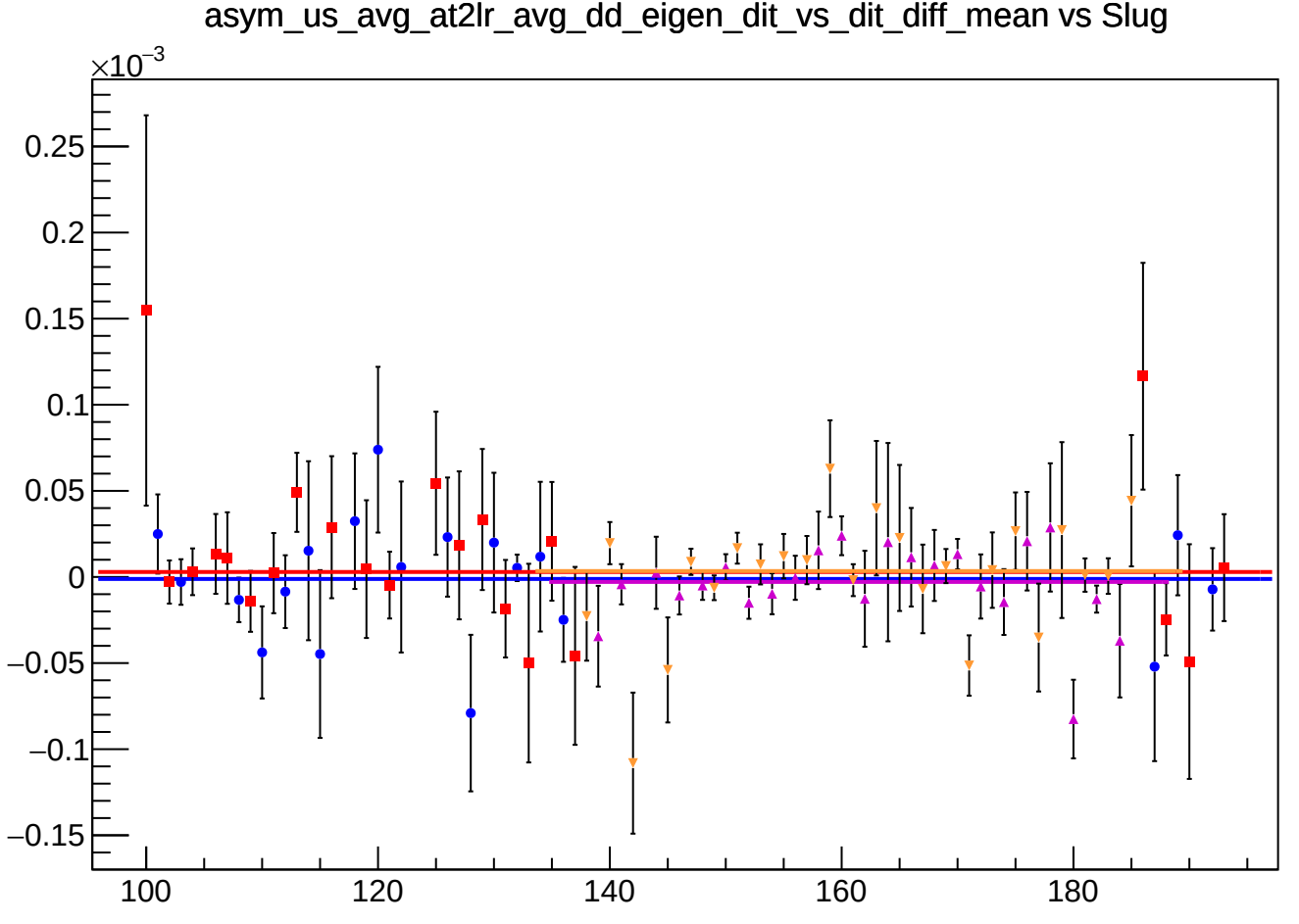
180
Right In: 272.455+/-0.069 χ²/NDF: 1518823.2/18
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 205.145+/-0.053 χ²/NDF: 2988934.1/21
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
+ sign 363.871+/-0.056 χ²/NDF: 10576981.7/42
All: 316.575+/-0.036 χ²/NDF: 27377991.2/87
- sign 284.207+/-0.046 χ²/NDF: 15586813.5/44



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

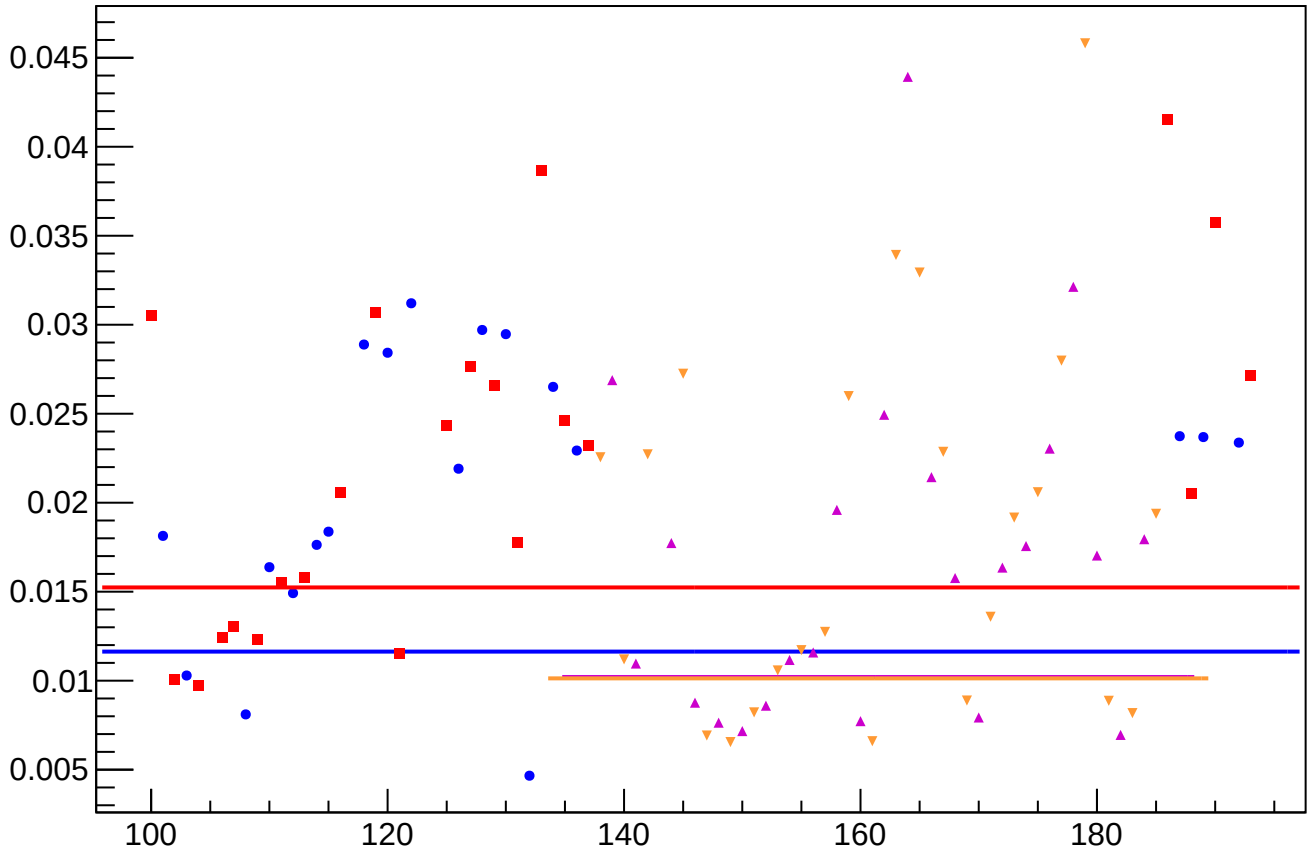
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/21

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.6/42

All: 0.000+/-0.000 χ^2/NDF: 107.9/87

- sign -0.000+/-0.000 χ^2/NDF: 51.0/44



Right In: 0.012+/-0.000 χ^2/NDF: 5455534.8/18

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

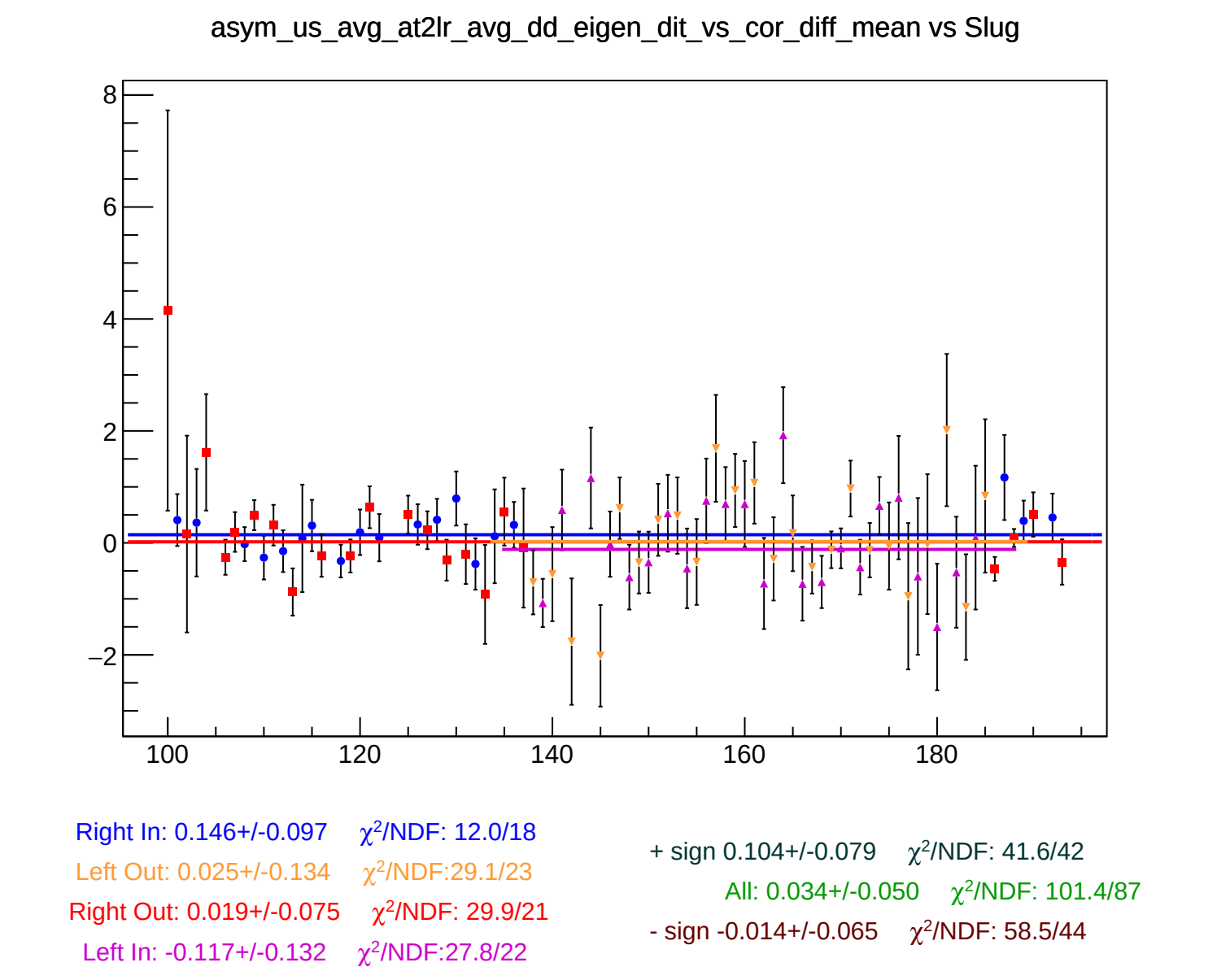
Right Out: 0.015+/-0.000 χ^2/NDF: 3087345.5/21

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: 24047433.4/87

- sign 0.011+/-0.000 χ^2/NDF: 10534496.0/44


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
8
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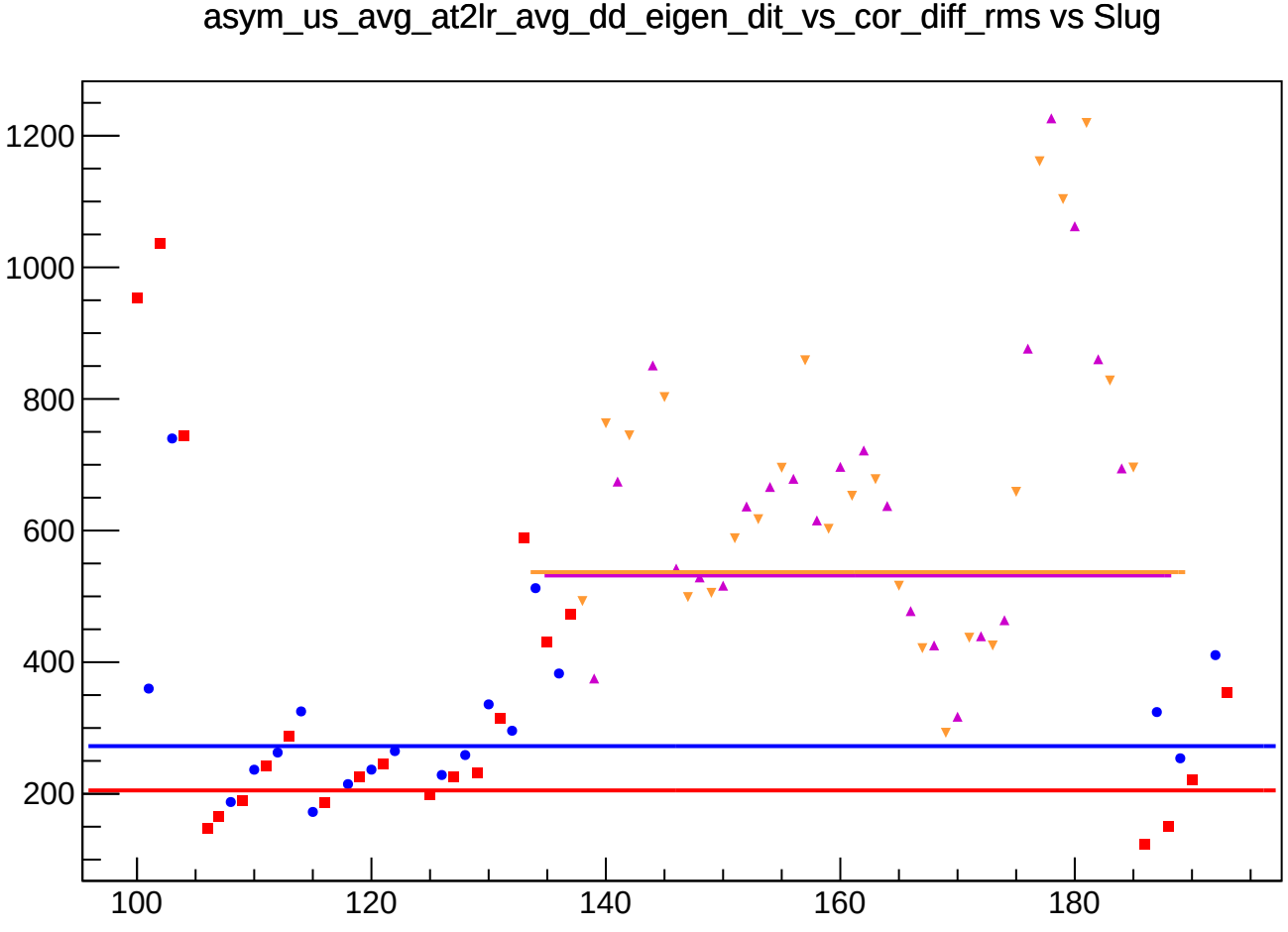
120
140
160
180
Right In: 0.146+/-0.097 χ²/NDF: 12.0/18
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.019+/-0.075 χ²/NDF: 29.9/21
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.104+/-0.079 χ²/NDF: 41.6/42
All: 0.034+/-0.050 χ²/NDF: 101.4/87
- sign -0.014+/-0.065 χ²/NDF: 58.5/44


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
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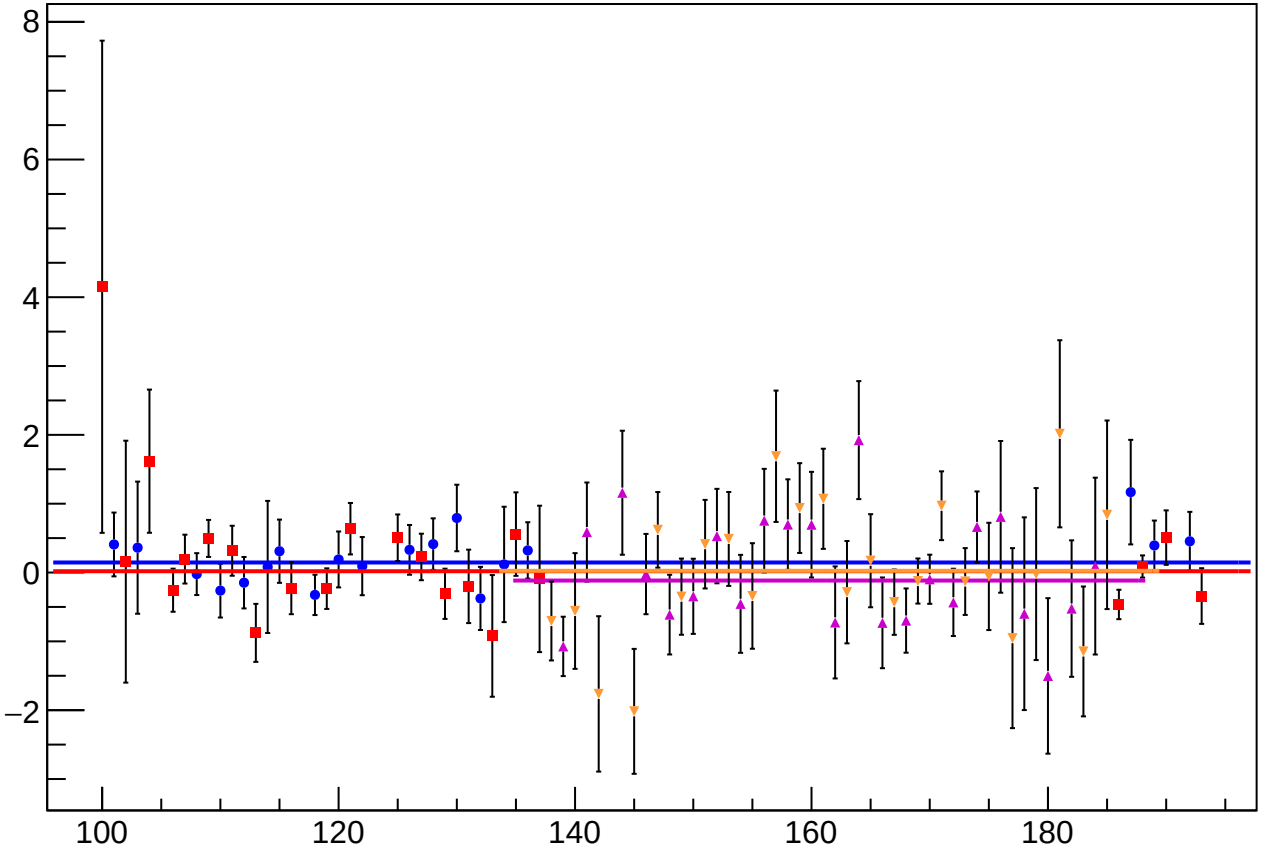
400
200
100
120
140
160
180
Right In: 272.454+/-0.069 χ²/NDF: 1518795.5/18
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 205.143+/-0.053 χ²/NDF: 2989008.2/21
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 363.869+/-0.056 χ²/NDF: 10577225.2/42
All: 316.572+/-0.036 χ²/NDF: 27378685.9/87
- sign 284.204+/-0.046 χ²/NDF: 15587230.0/44

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

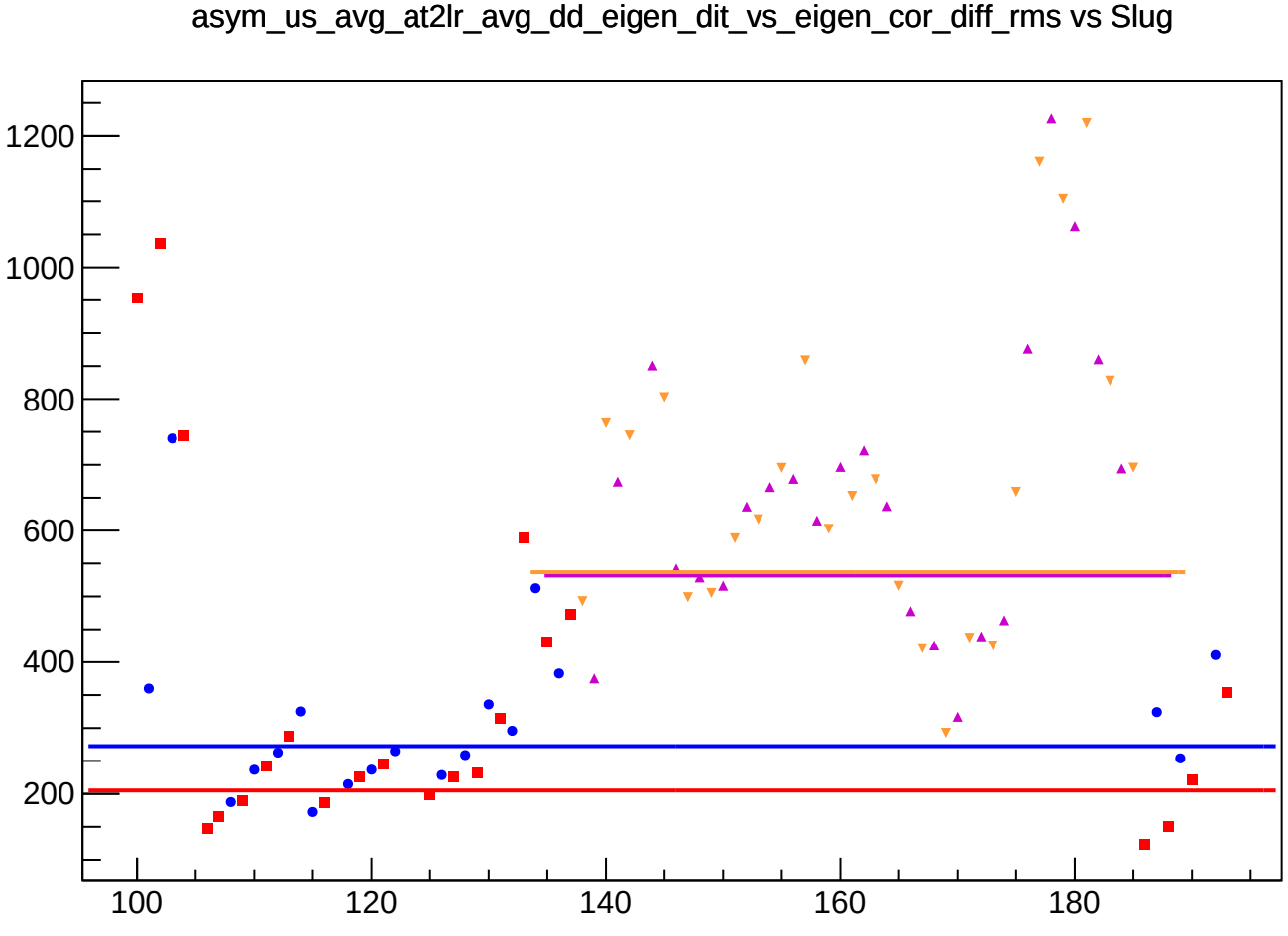
Right Out: 0.019+/-0.075 χ^2/NDF: 29.9/21

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.104+/-0.079 χ^2/NDF: 41.6/42

All: 0.034+/-0.050 χ^2/NDF: 101.4/87

- sign -0.014+/-0.065 χ^2/NDF: 58.5/44


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
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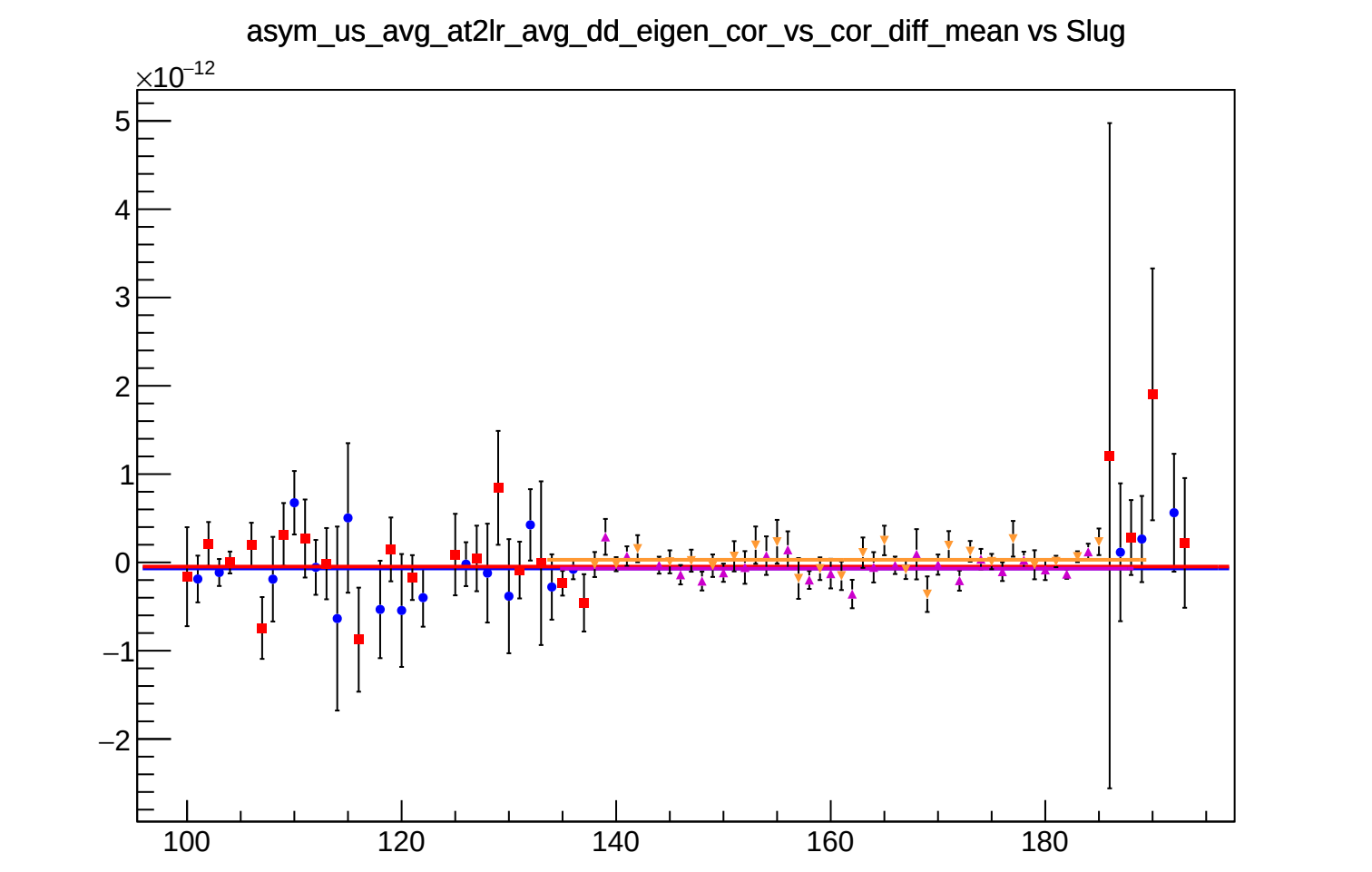
120
140
160
180
Right In: 272.454+/-0.069 χ²/NDF: 1518795.5/18
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 205.143+/-0.053 χ²/NDF: 2989008.2/21
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 363.869+/-0.056 χ²/NDF: 10577225.2/42
All: 316.572+/-0.036 χ²/NDF: 27378685.9/87
- sign 284.204+/-0.046 χ²/NDF: 15587230.0/44



Right In: -0.000+/-0.000 χ^2/NDF: 11.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

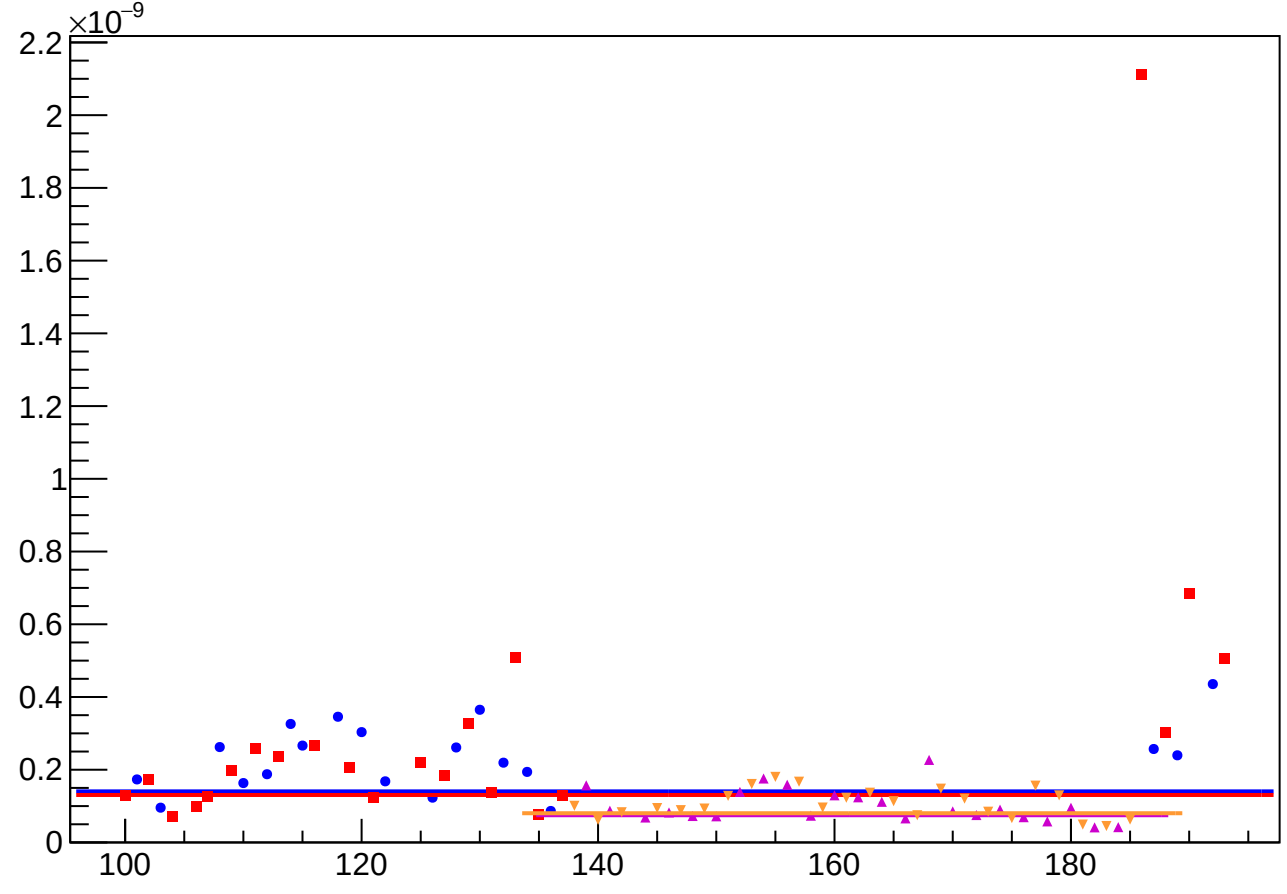
Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/21

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: 80.1/87

- sign -0.000+/-0.000 χ^2/NDF: 42.0/44



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: 3737727.9/21

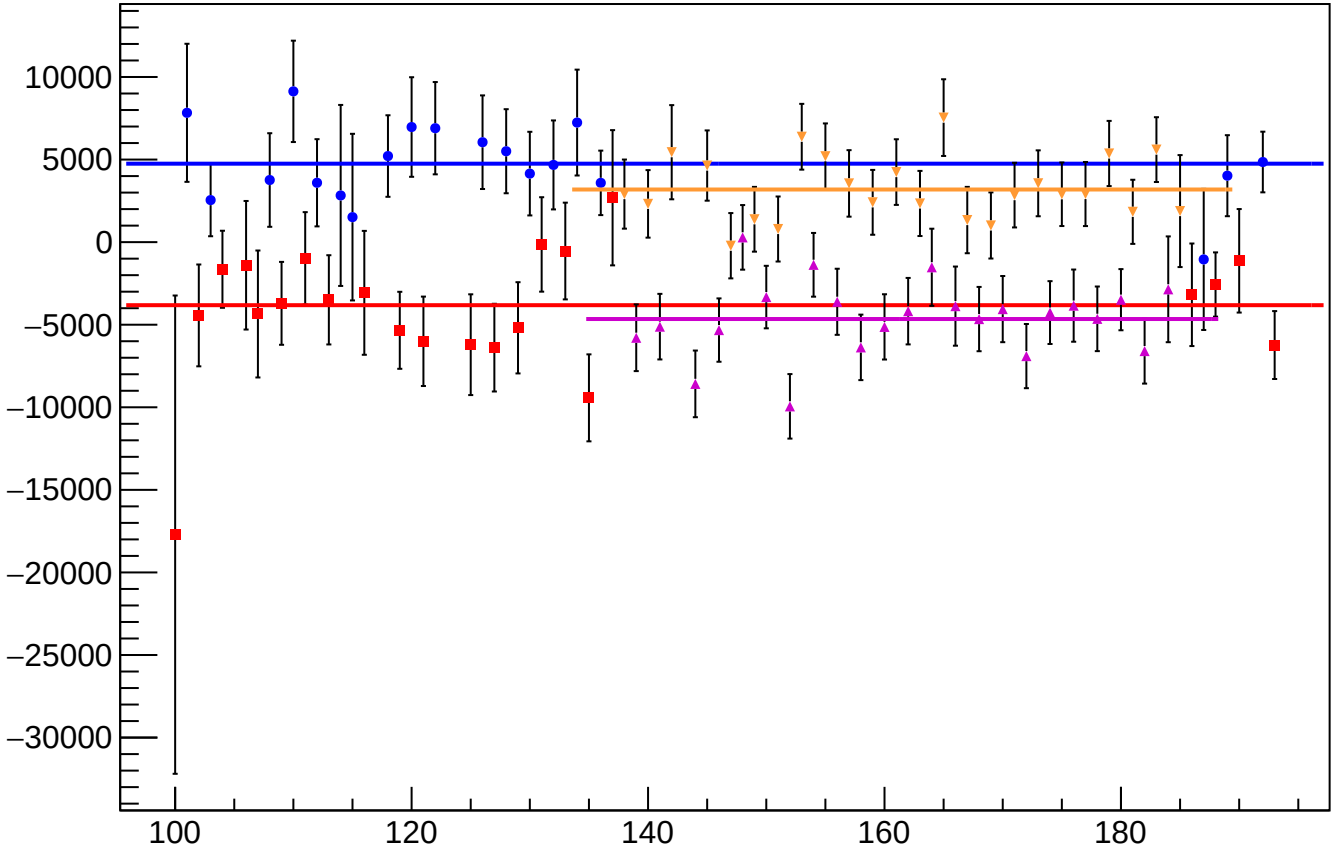
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7474717.7/42

All: 0.000+/-0.000 χ^2/NDF: 16303337.4/87

- sign 0.000+/-0.000 χ^2/NDF: 8760632.2/44

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: -3817.412+/-600.613 χ^2/NDF: 18.7/21

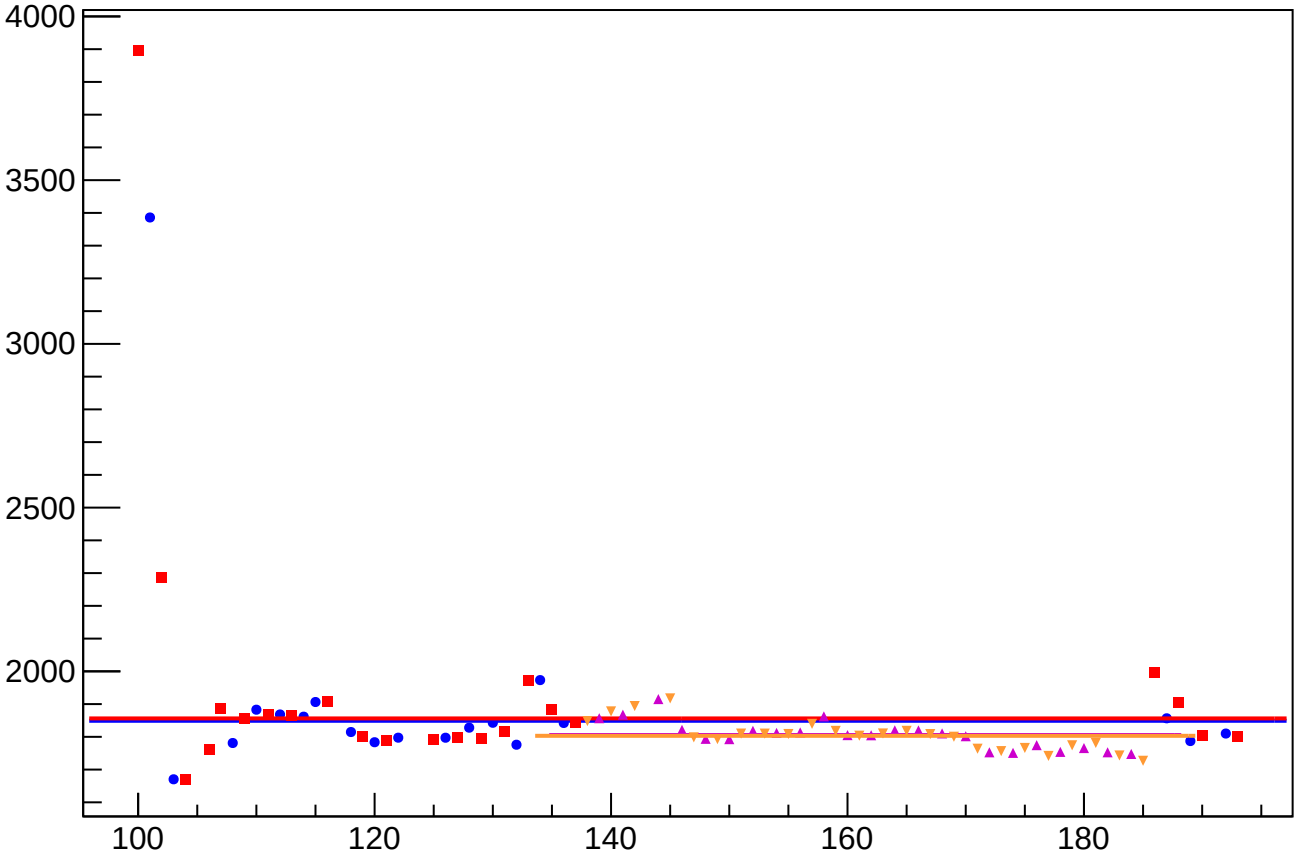
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3671.935+/-347.716 χ^2/NDF: 33.0/42

All: -383.465+/-244.950 χ^2/NDF: 350.8/87

- sign -4378.580+/-345.122 χ^2/NDF: 47.8/44

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

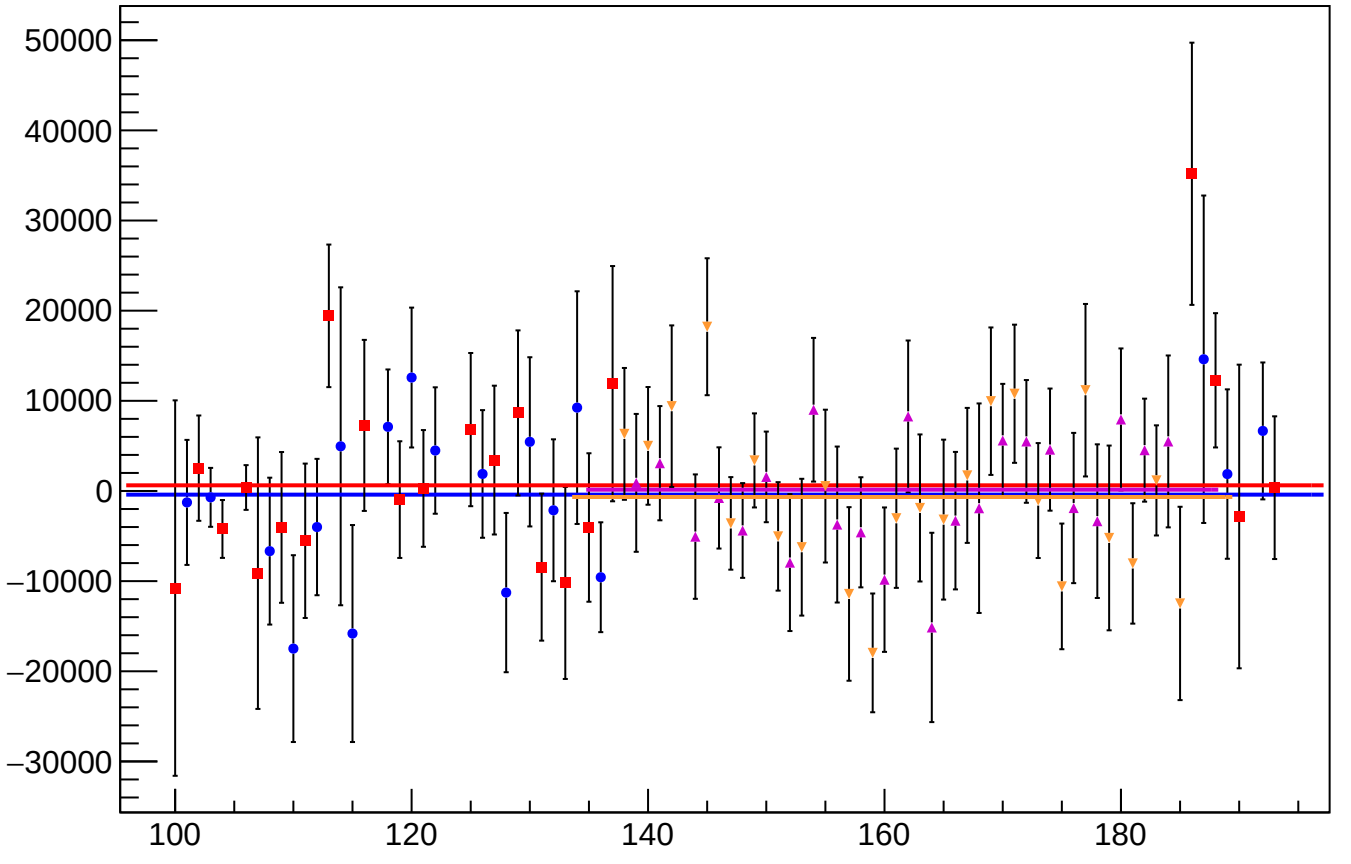
Right Out: 1856.208+/-0.424 χ^2/NDF: 109633.2/21

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1817.353+/-0.246 χ^2/NDF: 323069.2/42

All: 1819.864+/-0.173 χ^2/NDF: 461779.6/87

- sign 1822.333+/-0.244 χ^2/NDF: 138503.6/44



Right In: -406.666+/-1683.110 χ^2/NDF: 16.5/18

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

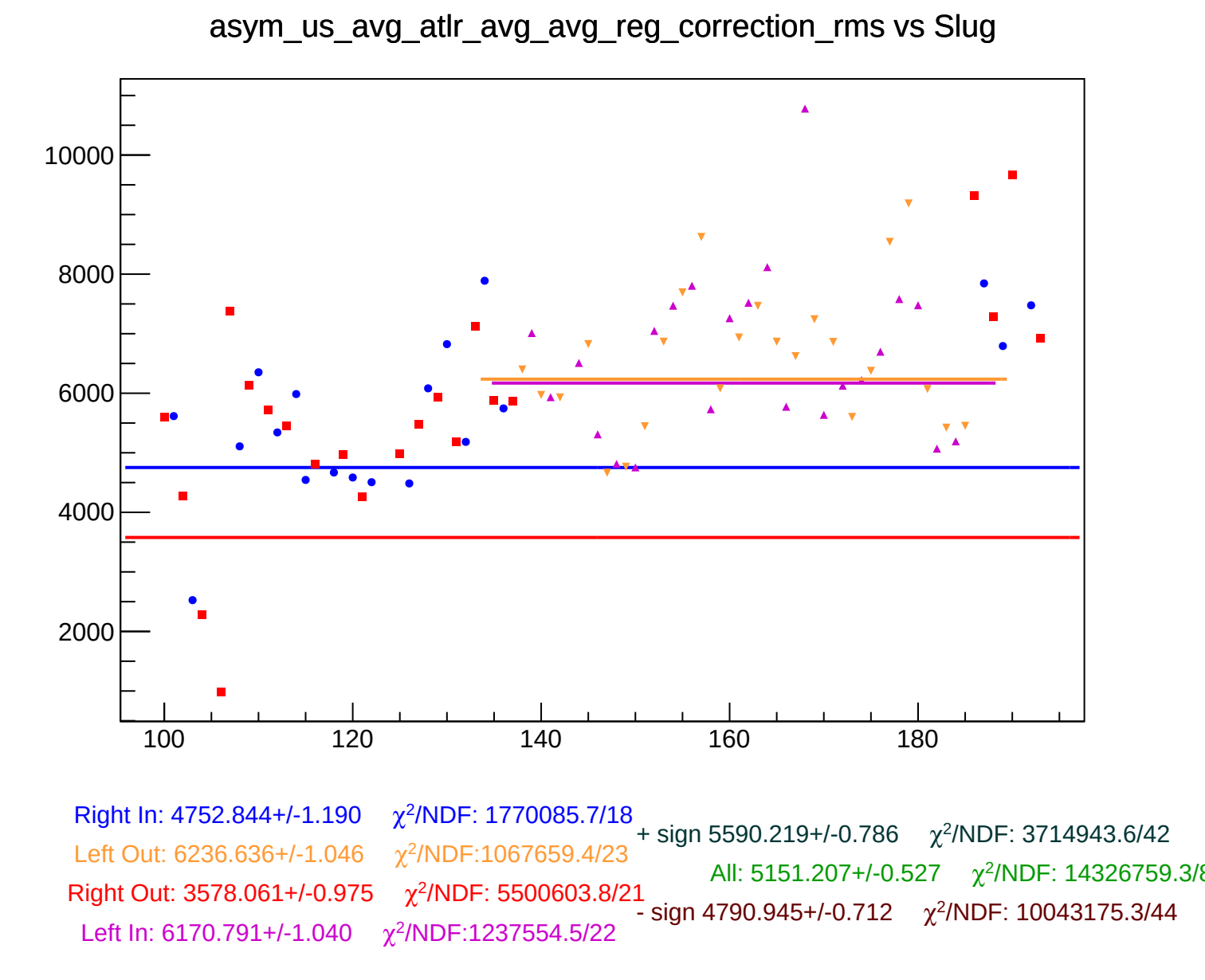
Right Out: 627.575+/-1379.483 χ^2/NDF: 23.0/21

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

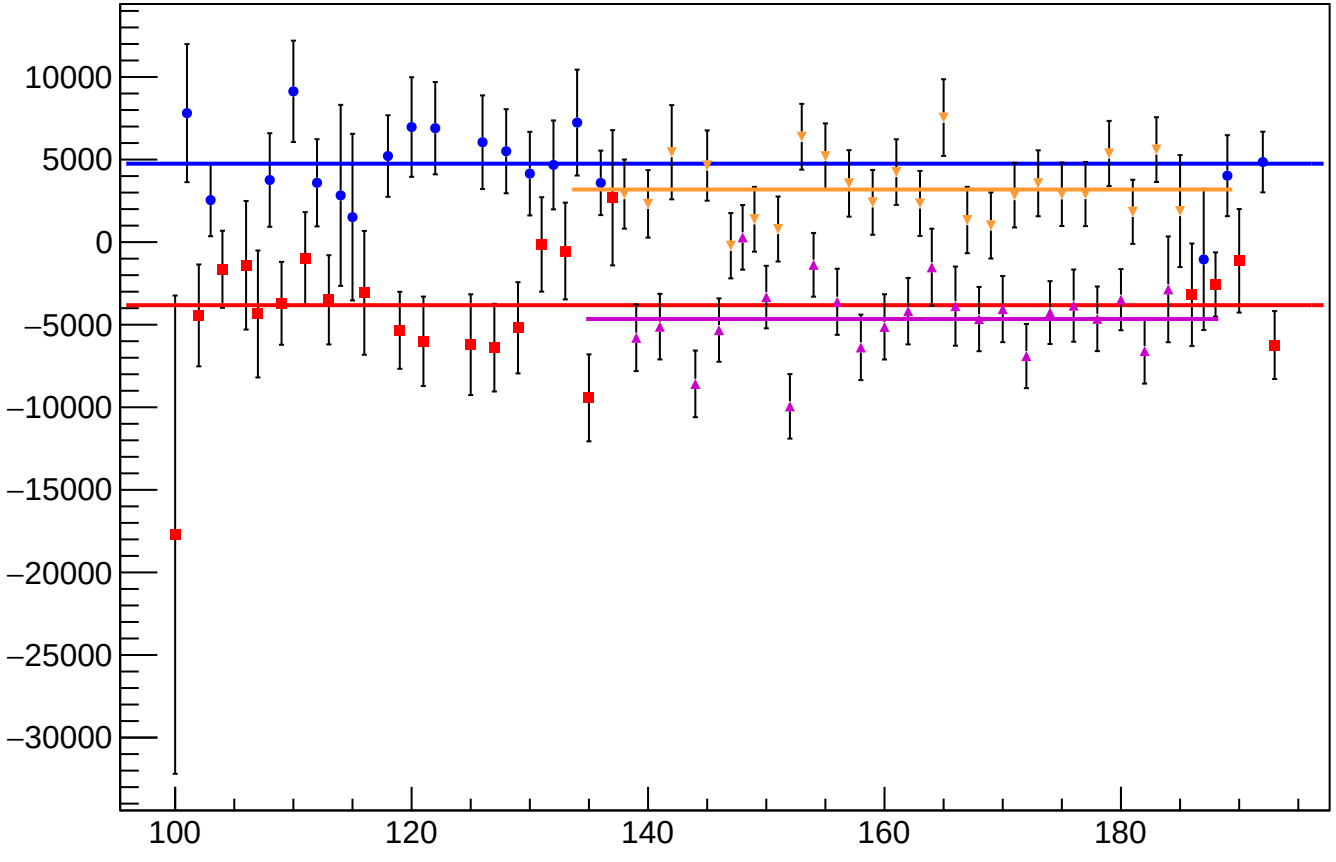
\+ sign -553.722+/-1110.919 χ^2/NDF: 46.3/42

All: -29.276+/-745.836 χ^2/NDF: 83.3/87

\- sign 401.094+/-1006.359 χ^2/NDF: 36.7/44


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug
10000
8000
6000
4000
2000
100
120
140
160
180
Right In: 4752.844+/-1.190 χ²/NDF: 1770085.7/18
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 3578.061+/-0.975 χ²/NDF: 5500603.8/21
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
+ sign 5590.219+/-0.786 χ²/NDF: 3714943.6/42
All: 5151.207+/-0.527 χ²/NDF: 14326759.3/8
- sign 4790.945+/-0.712 χ²/NDF: 10043175.3/44

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: -3817.232+/-600.613 χ^2/NDF: 18.7/21

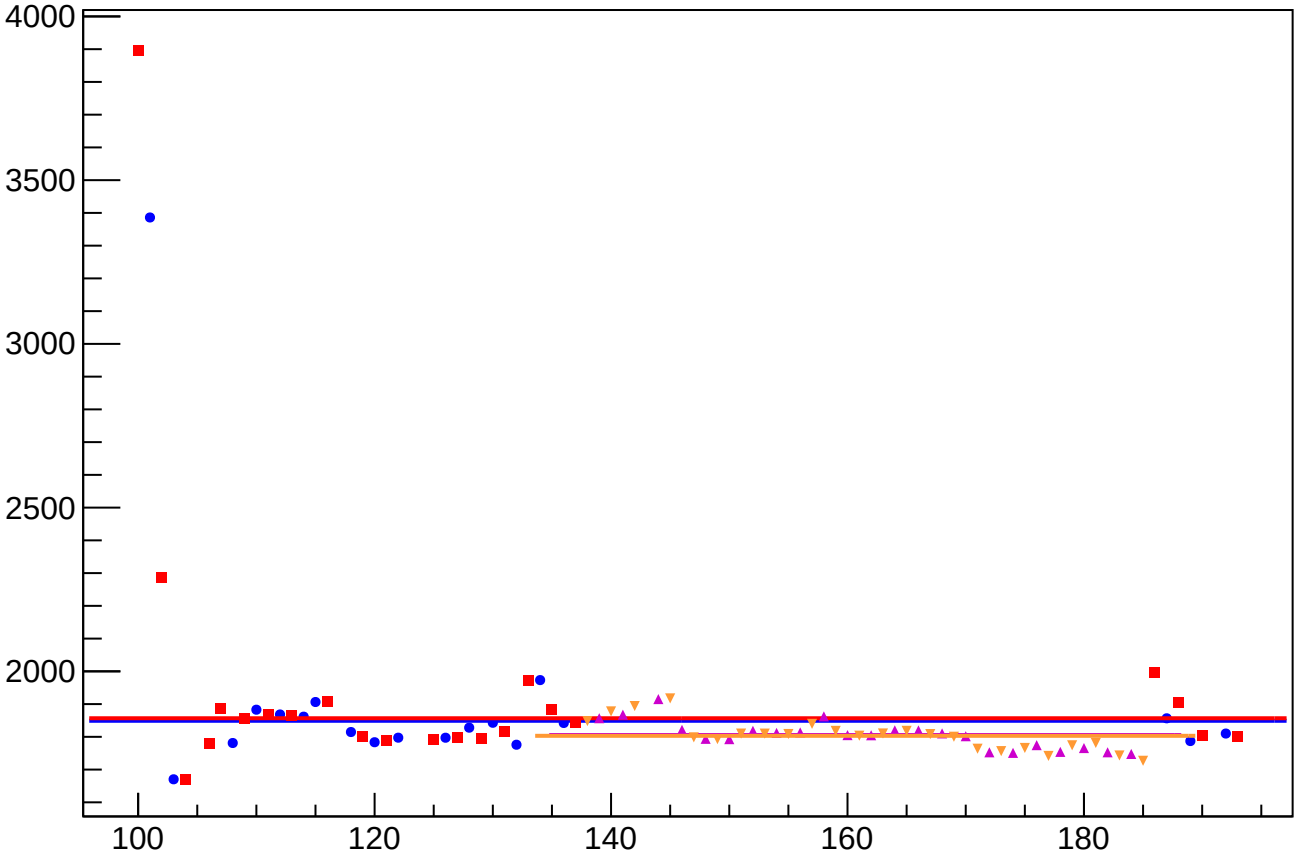
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3671.779+/-347.716 χ^2/NDF: 33.0/42

All: -383.519+/-244.950 χ^2/NDF: 350.8/87

- sign -4378.533+/-345.122 χ^2/NDF: 47.8/44

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

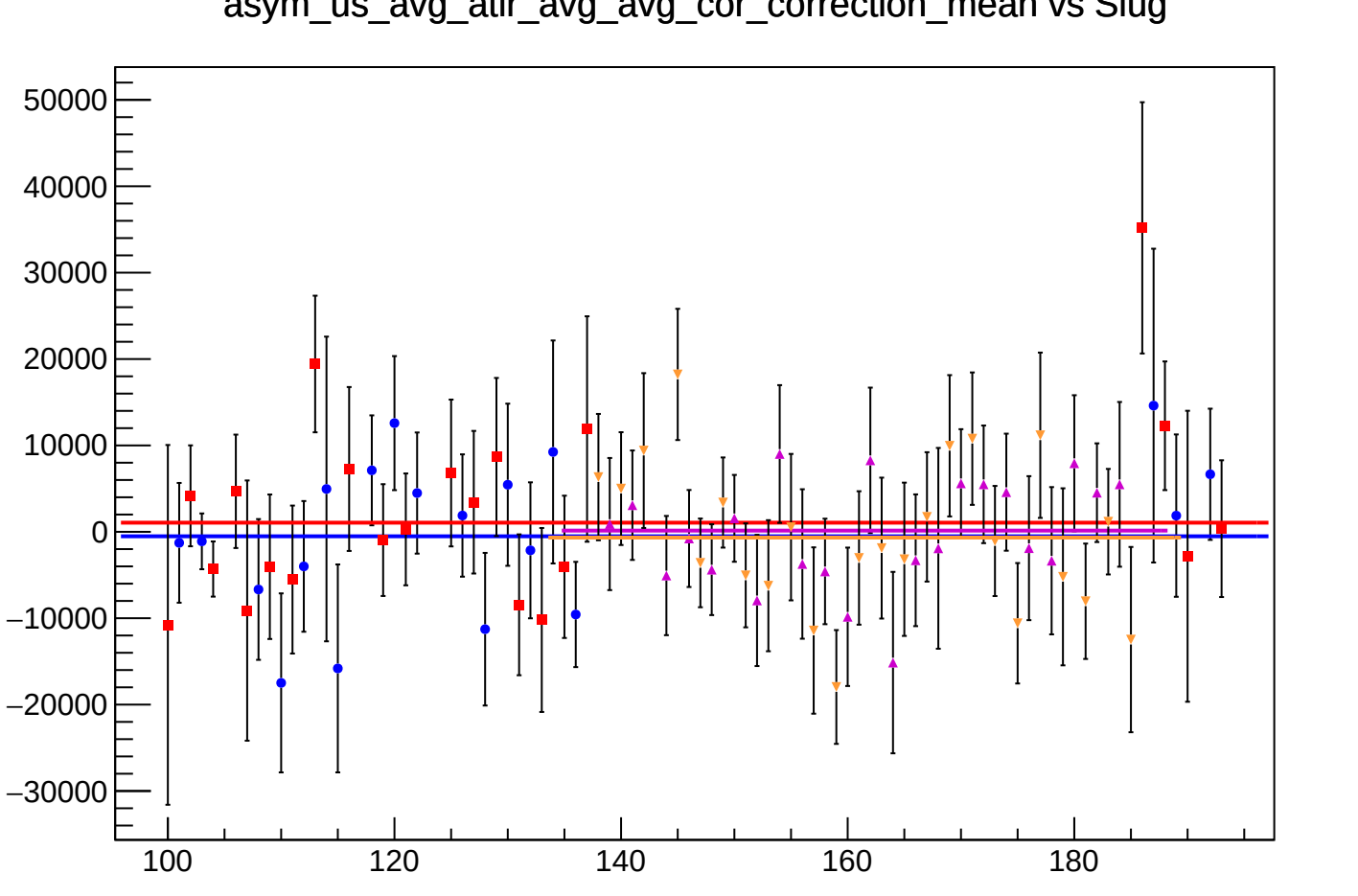
Right Out: 1856.736+/-0.424 χ^2/NDF: 109147.4/21

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1817.353+/-0.246 χ^2/NDF: 323071.1/42

All: 1819.949+/-0.173 χ^2/NDF: 461507.2/87

- sign 1822.503+/-0.244 χ^2/NDF: 138215.0/44



Right In: -515.563+/-1677.632 χ^2/NDF: 16.5/18

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

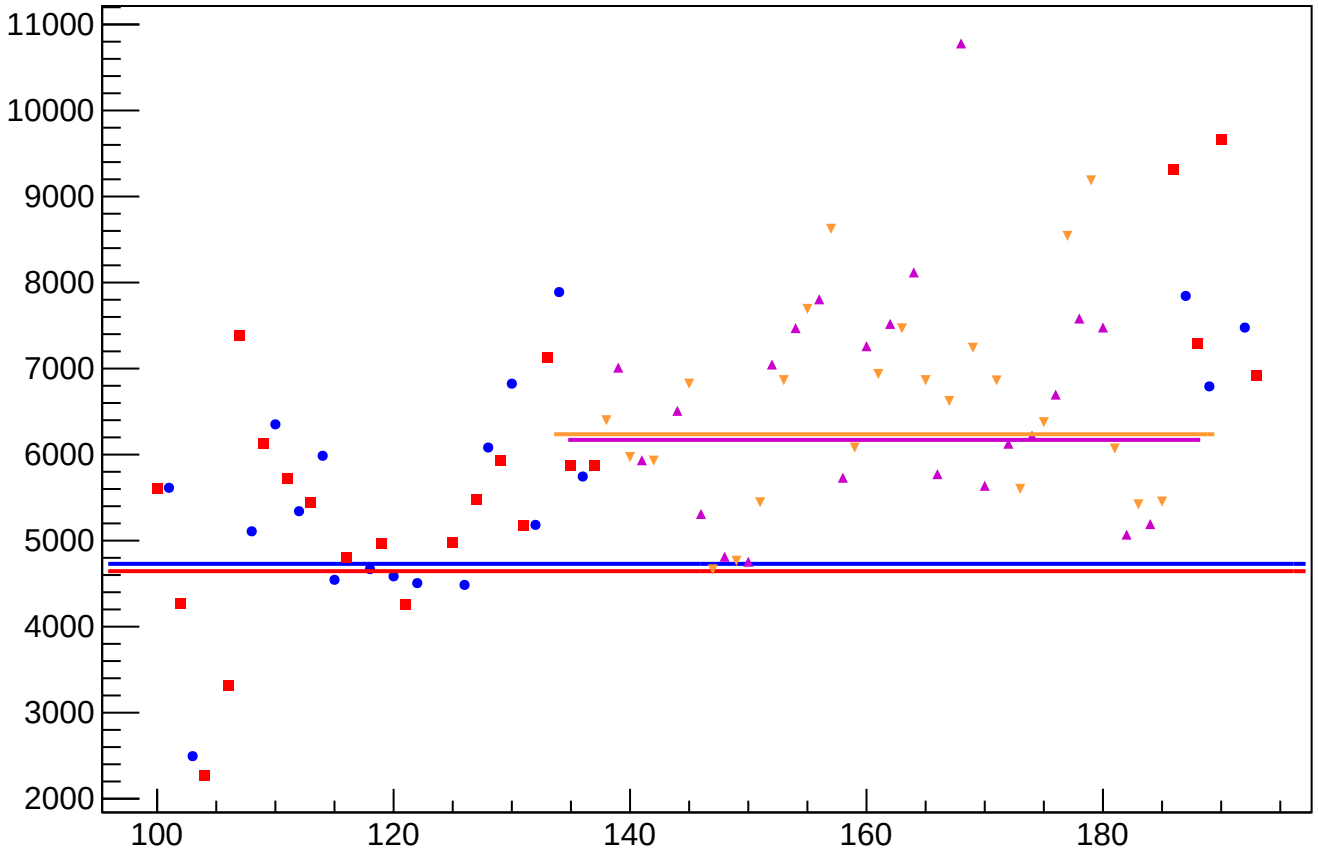
Right Out: 1060.153+/-1606.911 χ^2/NDF: 23.7/21

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -600.921+/-1109.339 χ^2/NDF: 46.3/42

All: -6.927+/-775.737 χ^2/NDF: 84.3/87

- sign 561.472+/-1085.176 χ^2/NDF: 37.5/44


asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug
11000
10000
9000
8000
7000
6000
5000
4000
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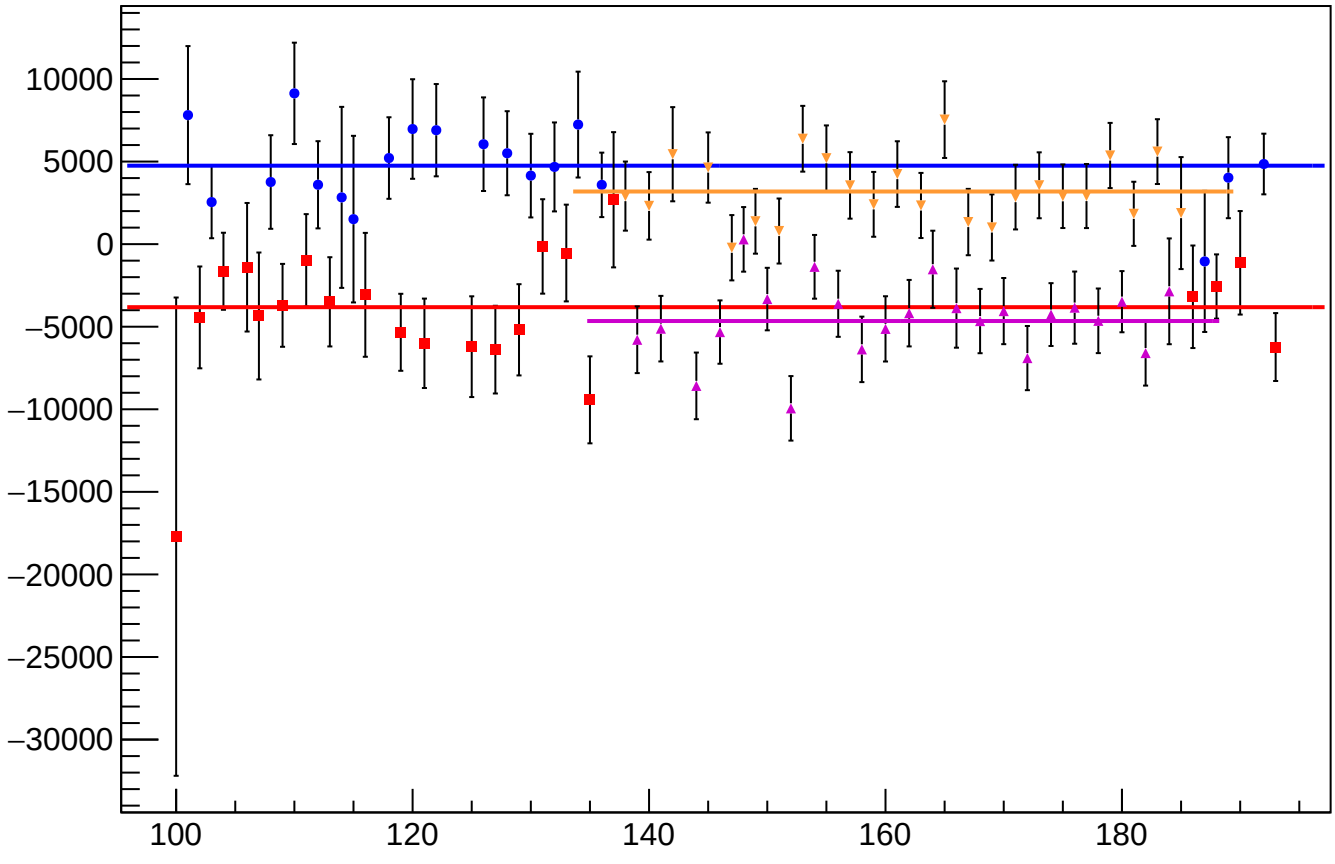
2000
100
120
140
160
180
Right In: 4730.038+/-1.186 χ²/NDF: 1818972.0/18
Left Out: 6236.635+/-1.046 χ²/NDF:1067665.4/23
Right Out: 4644.950+/-1.136 χ²/NDF: 2440366.3/21
Left In: 6170.789+/-1.040 χ²/NDF:1237564.5/22
+ sign 5577.867+/-0.784 χ²/NDF: 3794335.7/42
All: 5525.262+/-0.549 χ²/NDF: 8461954.6/87
- sign 5474.924+/-0.767 χ²/NDF: 4658818.1/44



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: -3817.232+/-600.613 χ^2/NDF: 18.7/21

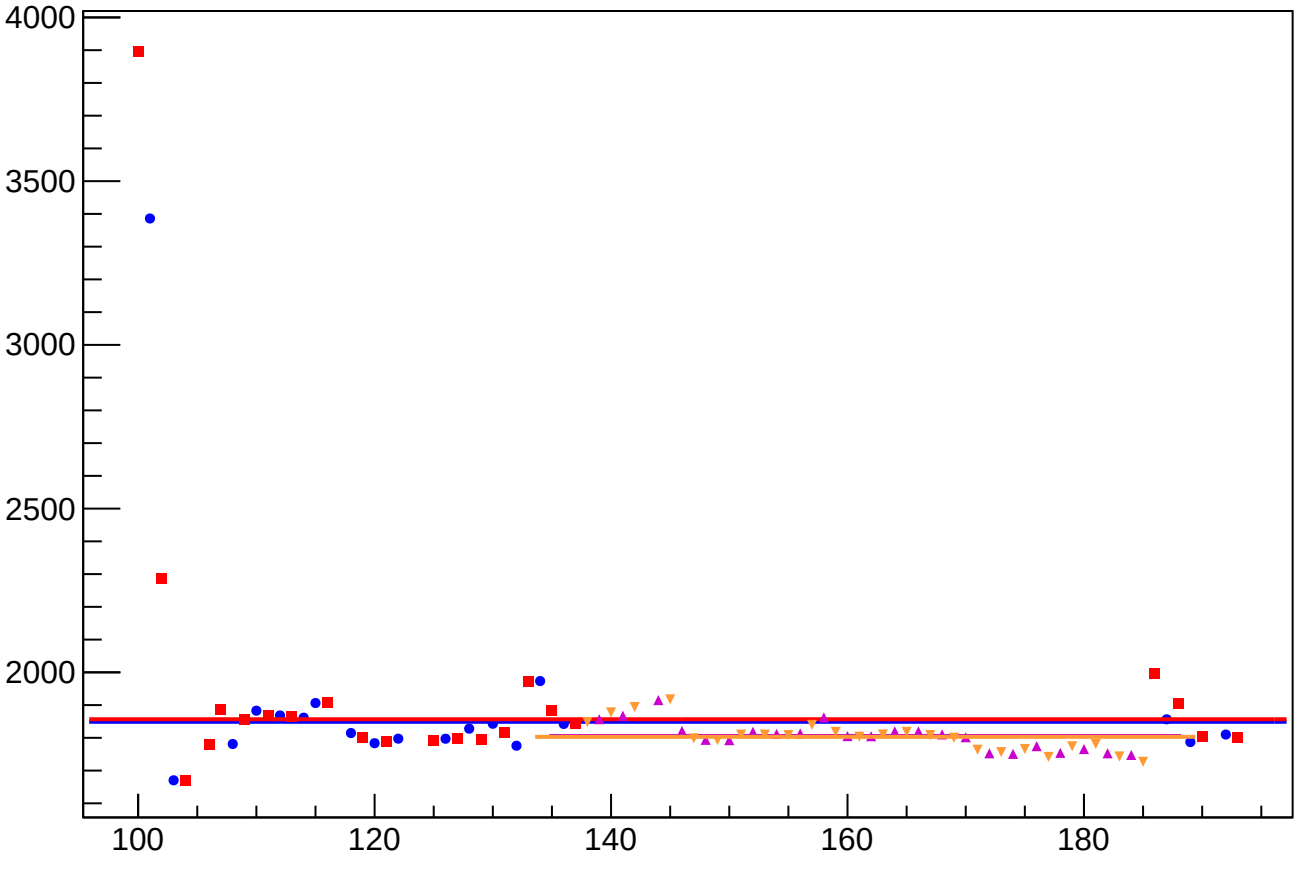
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3671.779+/-347.716 χ^2/NDF: 33.0/42

All: -383.519+/-244.950 χ^2/NDF: 350.8/87

- sign -4378.533+/-345.122 χ^2/NDF: 47.8/44

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

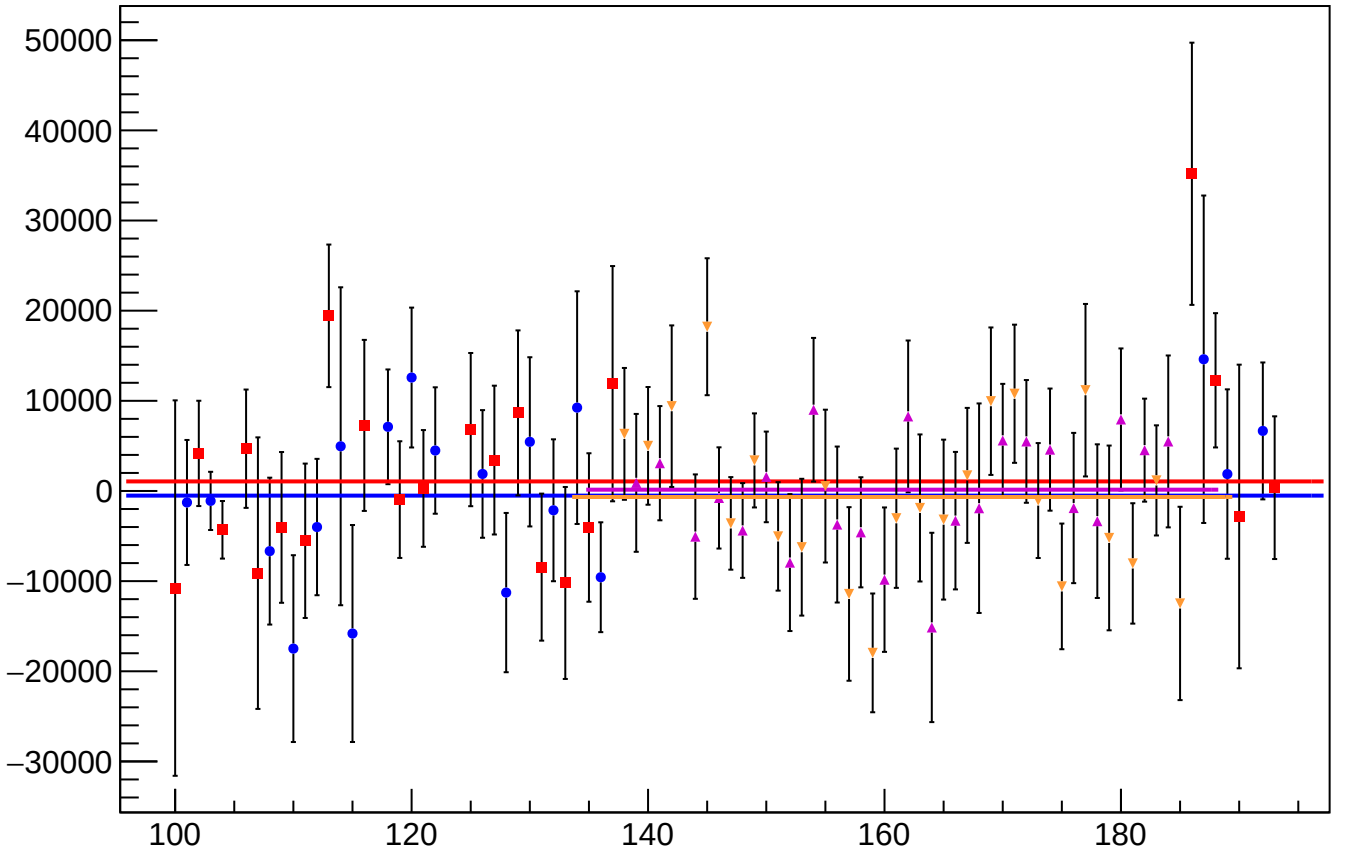
Right Out: 1856.736+/-0.424 χ^2/NDF: 109147.4/21

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1817.353+/-0.246 χ^2/NDF: 323071.1/42

All: 1819.949+/-0.173 χ^2/NDF: 461507.2/87

- sign 1822.503+/-0.244 χ^2/NDF: 138215.0/44



Right In: -515.563+/-1677.632 χ^2/NDF: 16.5/18

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

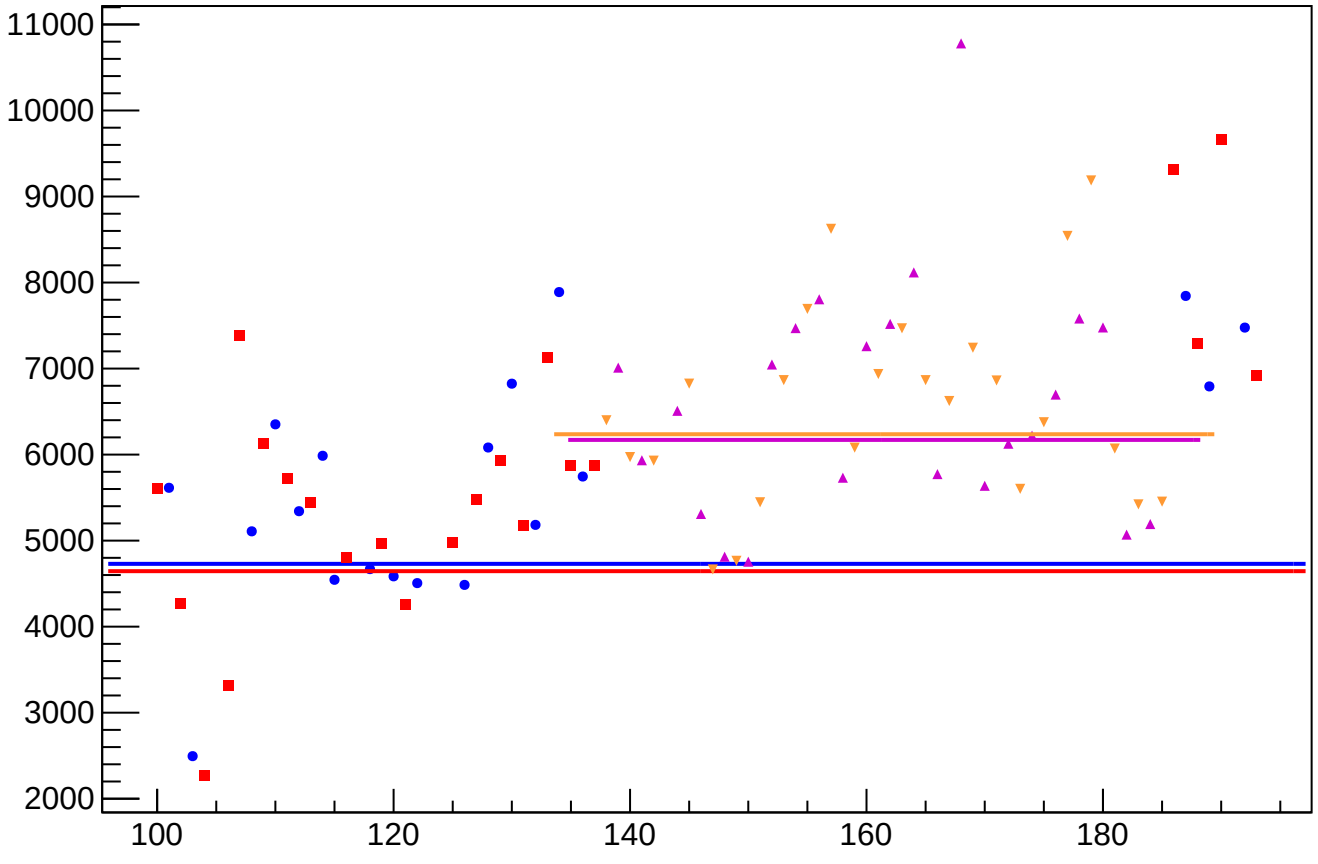
Right Out: 1060.153+/-1606.911 χ^2/NDF: 23.7/21

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -600.921+/-1109.339 χ^2/NDF: 46.3/42

All: -6.927+/-775.737 χ^2/NDF: 84.3/87

- sign 561.472+/-1085.176 χ^2/NDF: 37.5/44



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: 4644.950+/-1.136 χ^2/NDF: 2440366.3/21

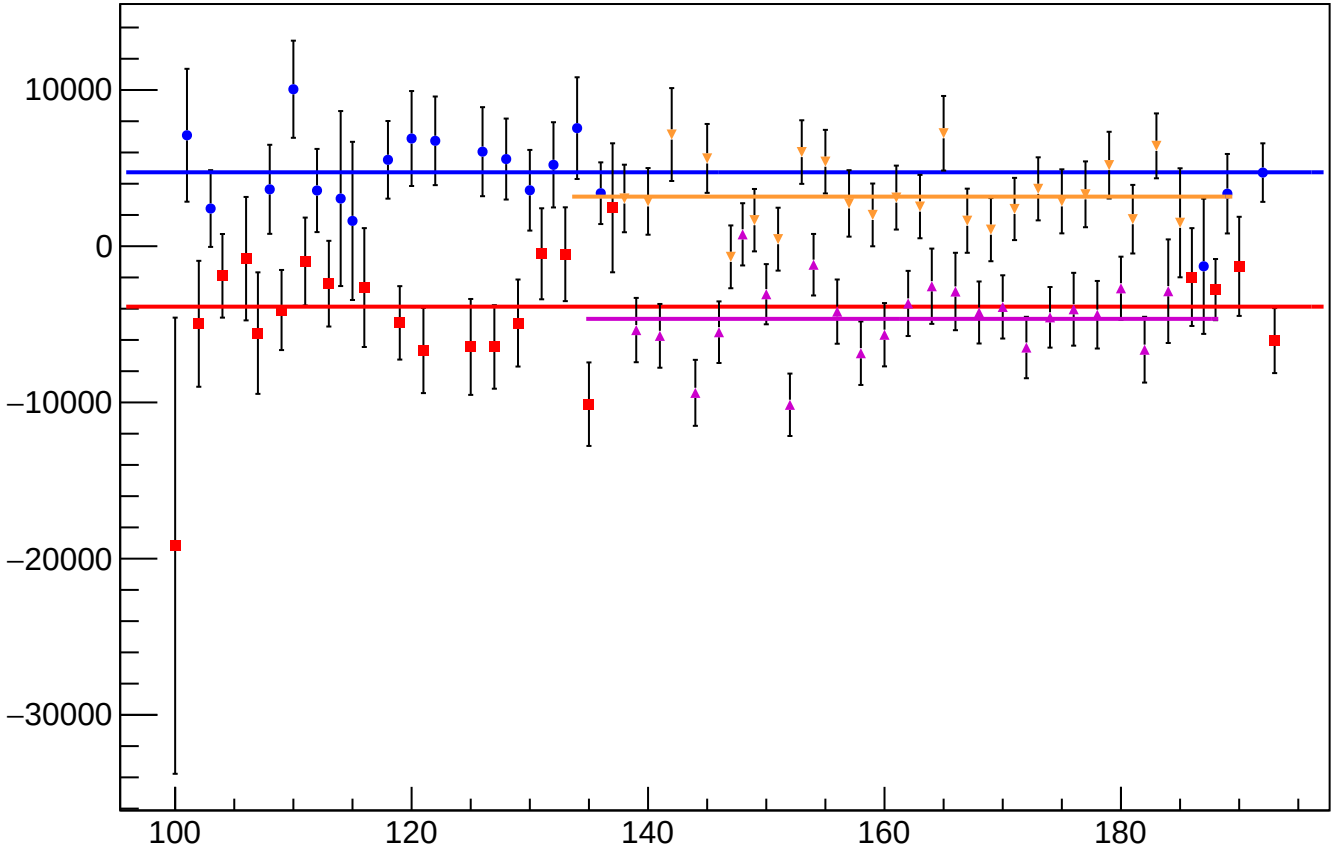
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5577.867+/-0.784 χ^2/NDF: 3794335.7/42

All: 5525.262+/-0.549 χ^2/NDF: 8461954.6/87

- sign 5474.924+/-0.767 χ^2/NDF: 4658818.1/44

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: -3868.969+/-616.925 χ^2/NDF: 19.8/21

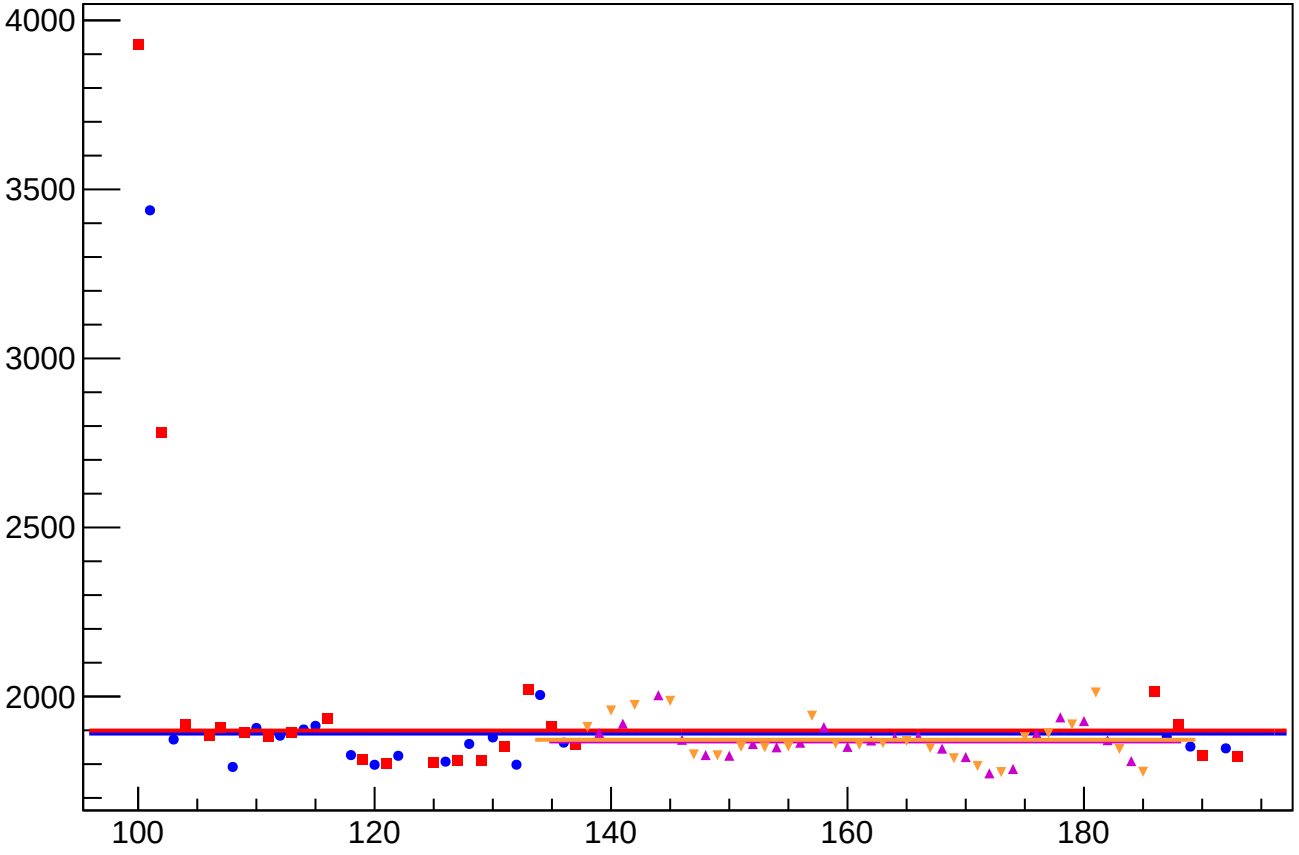
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3668.323+/-359.370 χ^2/NDF: 35.7/42

All: -396.949+/-252.972 χ^2/NDF: 340.8/87

- sign -4389.991+/-356.163 χ^2/NDF: 51.4/44

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

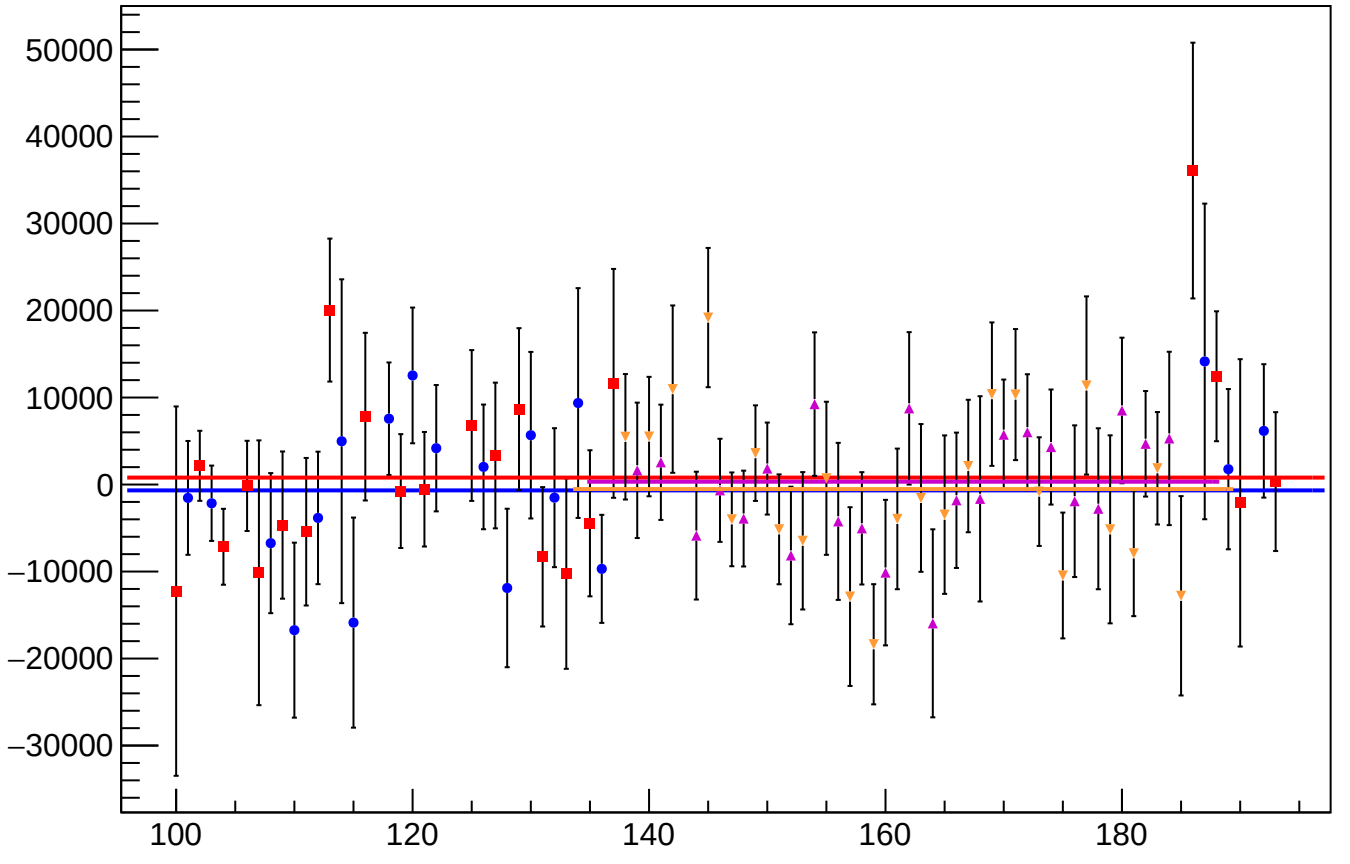
Right Out: 1899.211+/-0.436 χ^2/NDF: 156897.9/21

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1877.829+/-0.254 χ^2/NDF: 318673.6/42

All: 1877.814+/-0.179 χ^2/NDF: 506439.3/87

- sign 1877.800+/-0.252 χ^2/NDF: 187765.6/44



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: 798.307+/-1616.161 χ^2/NDF: 24.3/21

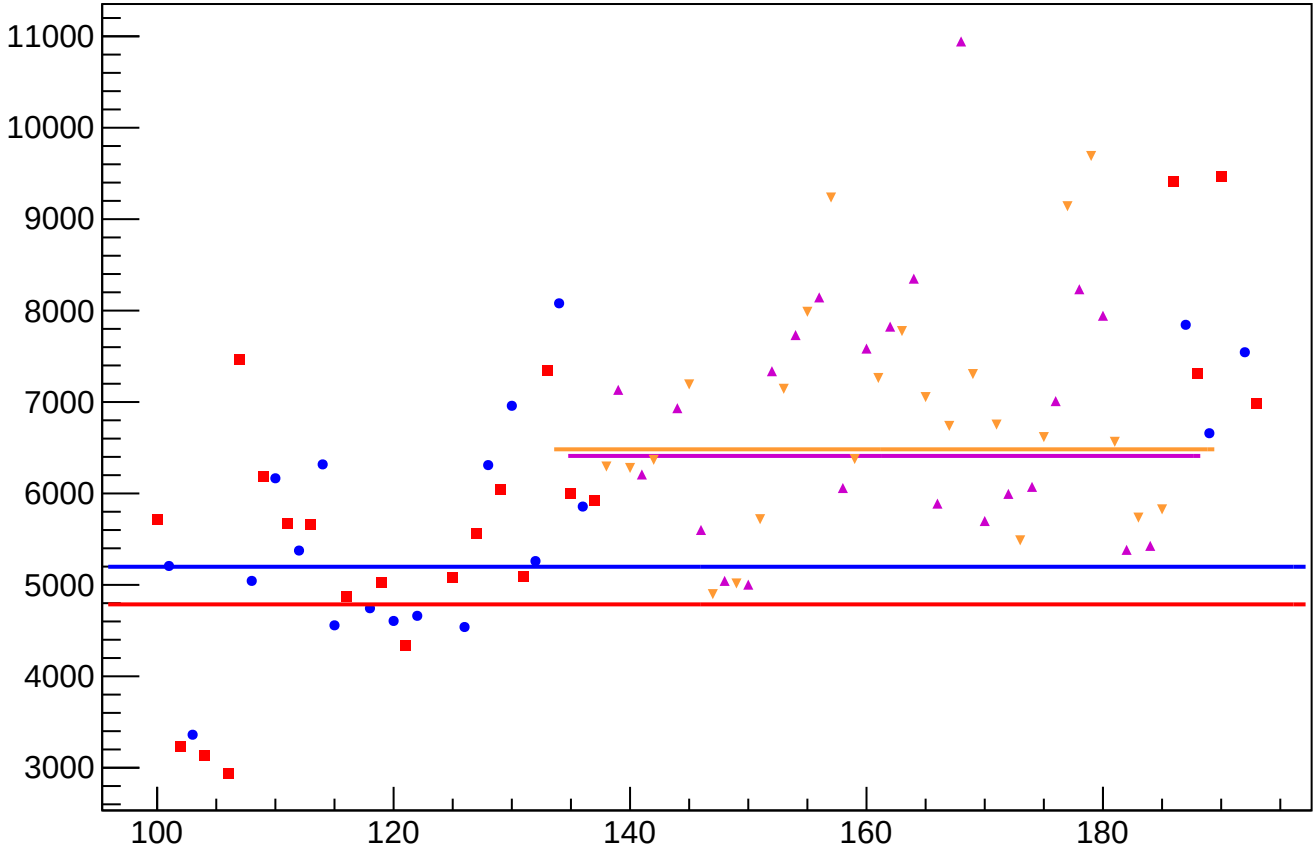
Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

\+ sign -584.898+/-1167.661 χ^2/NDF: 45.6/42

All: 10.154+/-804.621 χ^2/NDF: 83.8/87

\- sign 548.194+/-1110.317 χ^2/NDF: 37.8/44

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug



Right In: 5198.271+/-1.270 χ^2/NDF: 938042.2/18

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

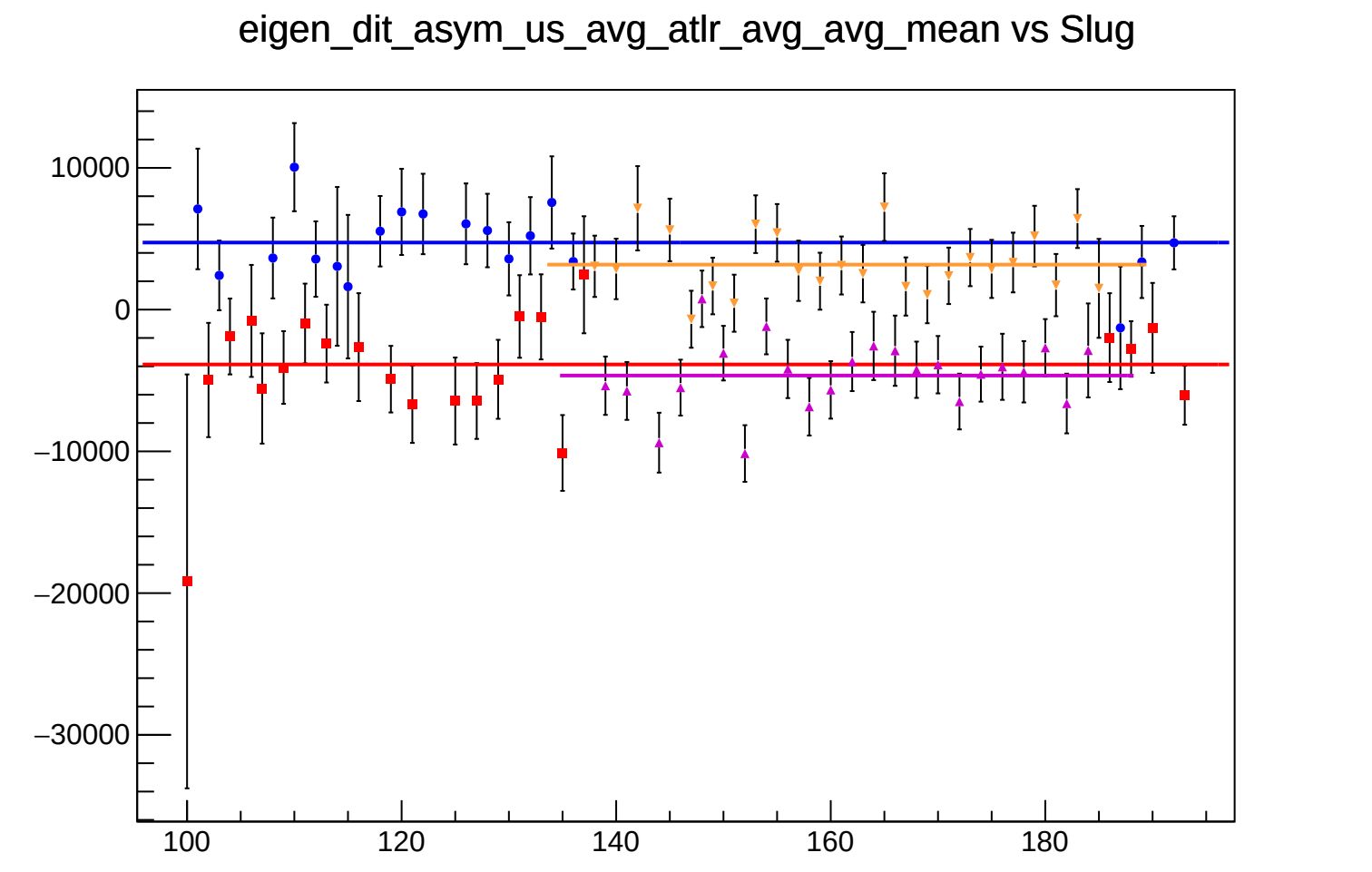
Right Out: 4786.831+/-1.143 χ^2/NDF: 1979562.3/21

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 5939.800+/-0.826 χ^2/NDF: 2603192.9/42

All: 5784.520+/-0.569 χ^2/NDF: 6935701.7/87

- sign 5644.117+/-0.785 χ^2/NDF: 4265158.6/44



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: -3868.969+/-616.925 χ^2/NDF: 19.8/21

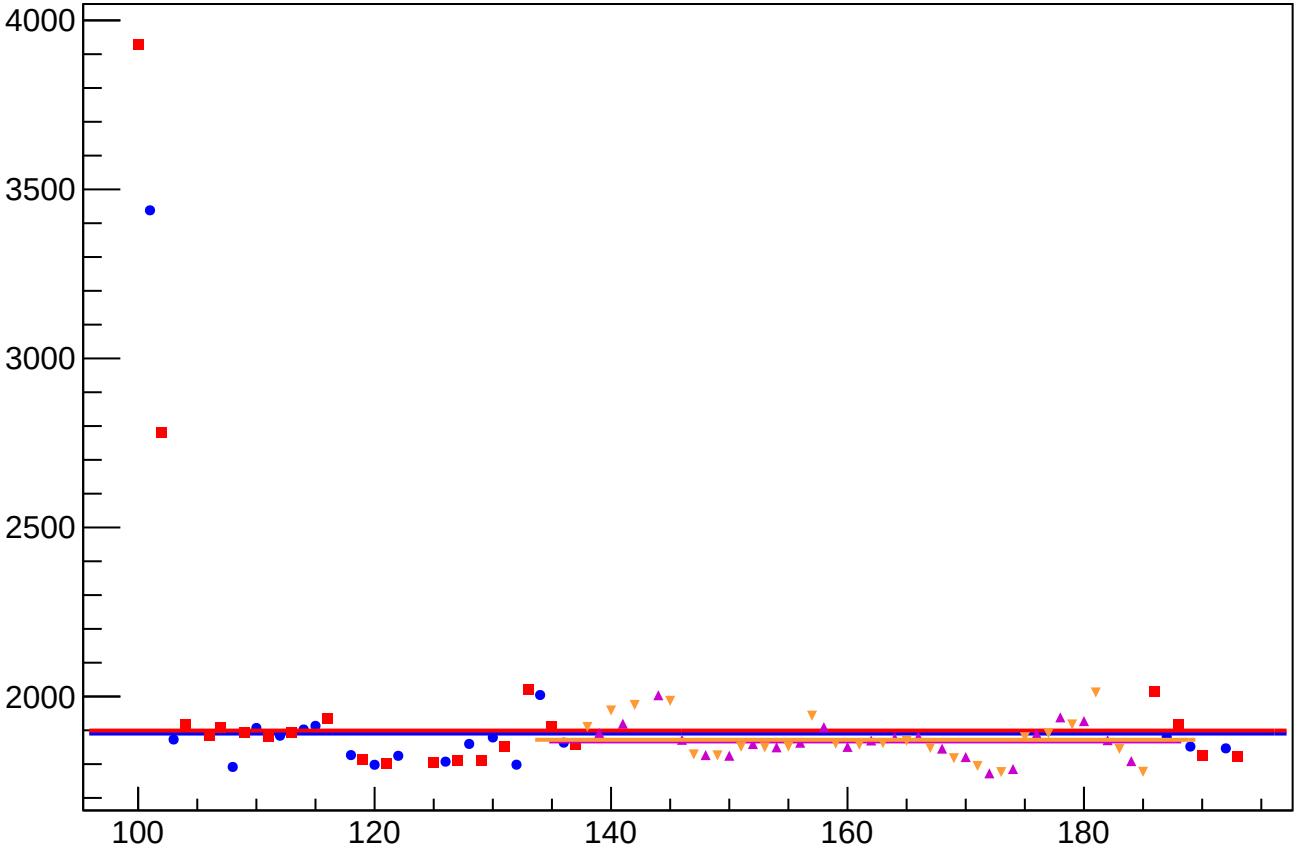
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3668.319+/-359.370 χ^2/NDF: 35.7/42

All: -396.951+/-252.972 χ^2/NDF: 340.8/87

- sign -4389.991+/-356.164 χ^2/NDF: 51.4/44

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

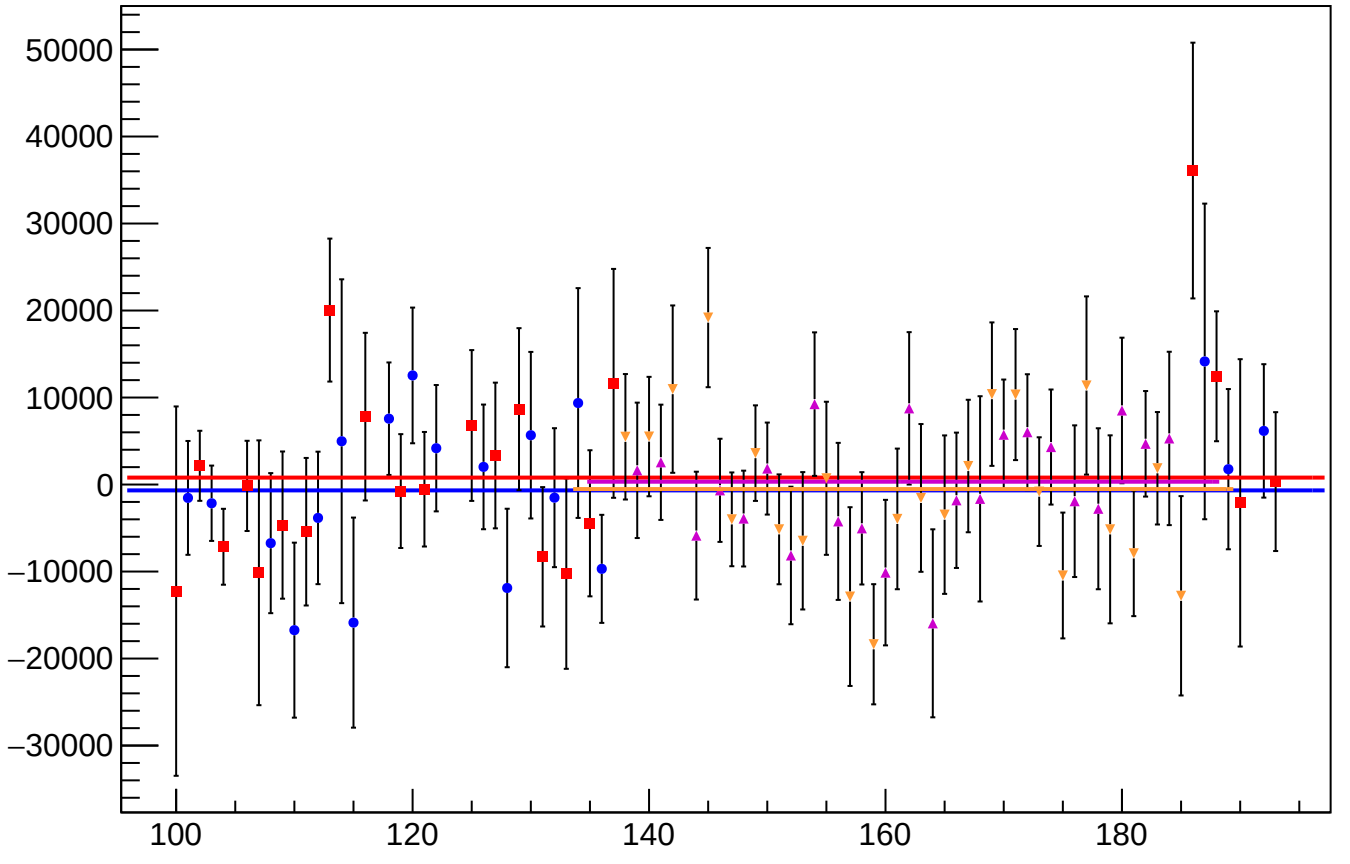
Right Out: 1899.210+/-0.436 χ^2/NDF: 156897.1/21

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1877.830+/-0.254 χ^2/NDF: 318674.7/42

All: 1877.815+/-0.179 χ^2/NDF: 506440.2/87

- sign 1877.801+/-0.252 χ^2/NDF: 187765.5/44



Right In: -673.169+/-1795.990 χ^2/NDF: 16.4/18

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

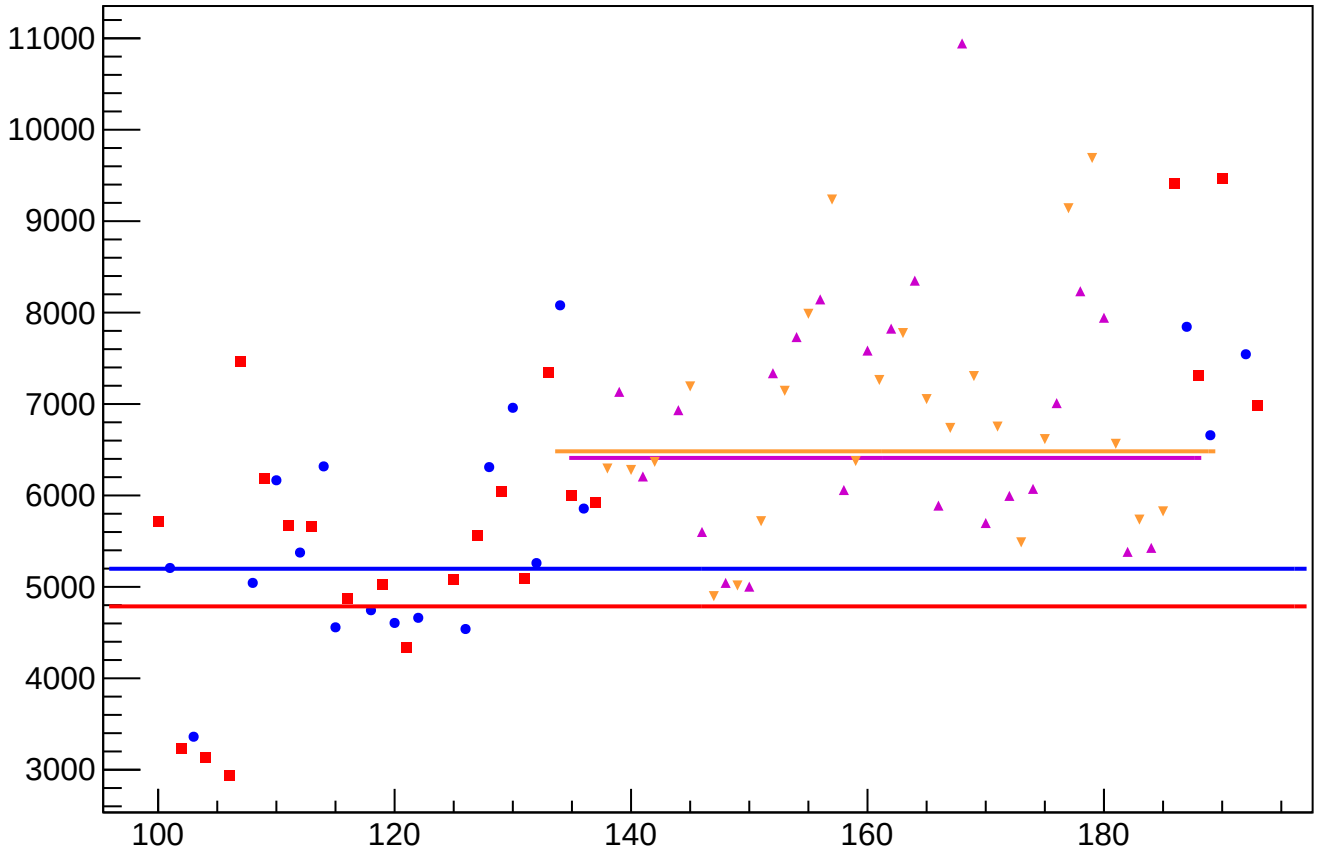
Right Out: 798.300+/-1616.158 χ^2/NDF: 24.3/21

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -584.899+/-1167.661 χ^2/NDF: 45.6/42

All: 10.152+/-804.621 χ^2/NDF: 83.8/87

- sign 548.192+/-1110.316 χ^2/NDF: 37.8/44



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: 4786.820+/-1.143 χ^2/NDF: 1979569.3/21

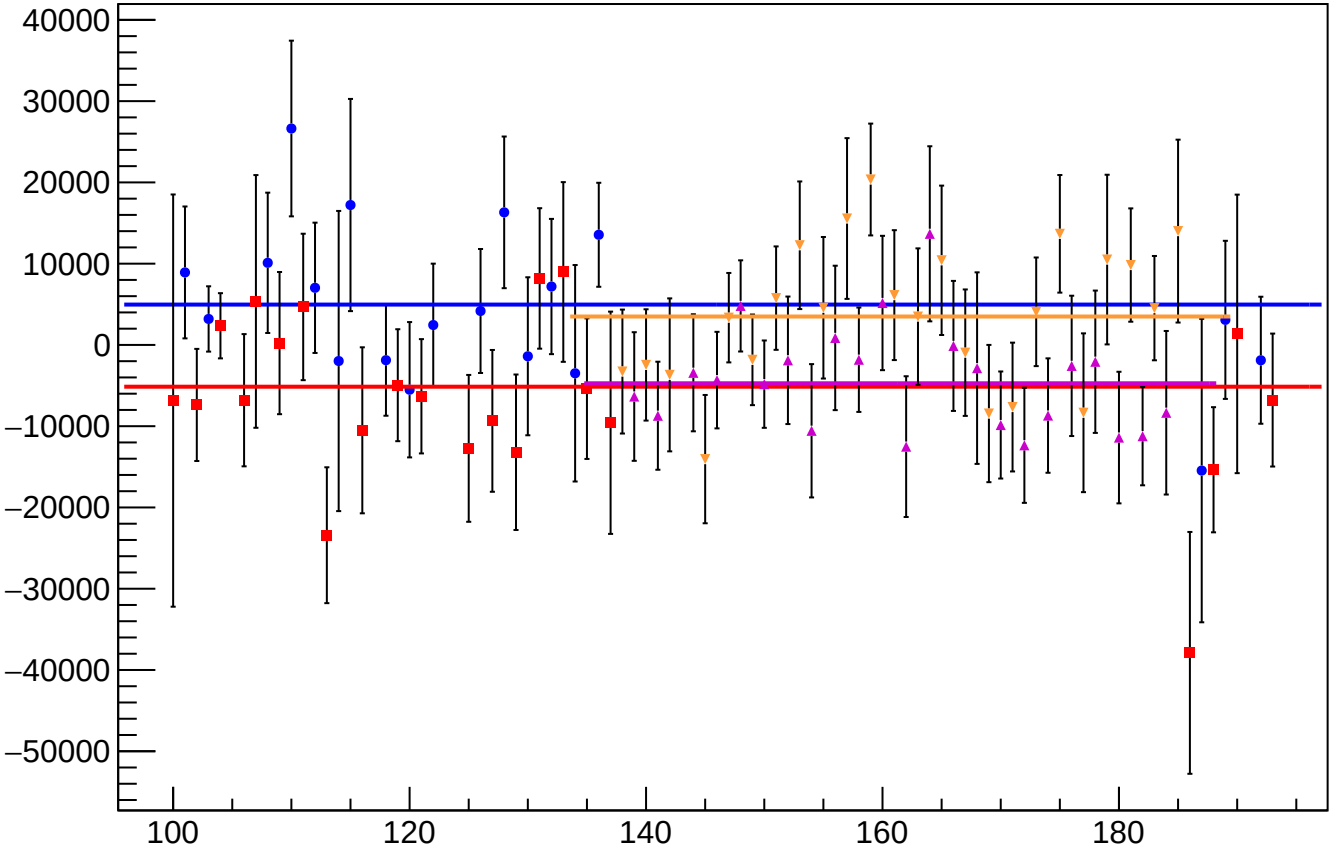
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 5939.798+/-0.826 χ^2/NDF: 2603224.6/42

All: 5784.517+/-0.569 χ^2/NDF: 6935773.2/87

- sign 5644.114+/-0.785 χ^2/NDF: 4265197.7/44

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: -5139.825+/-1793.640 χ^2/NDF: 23.3/21

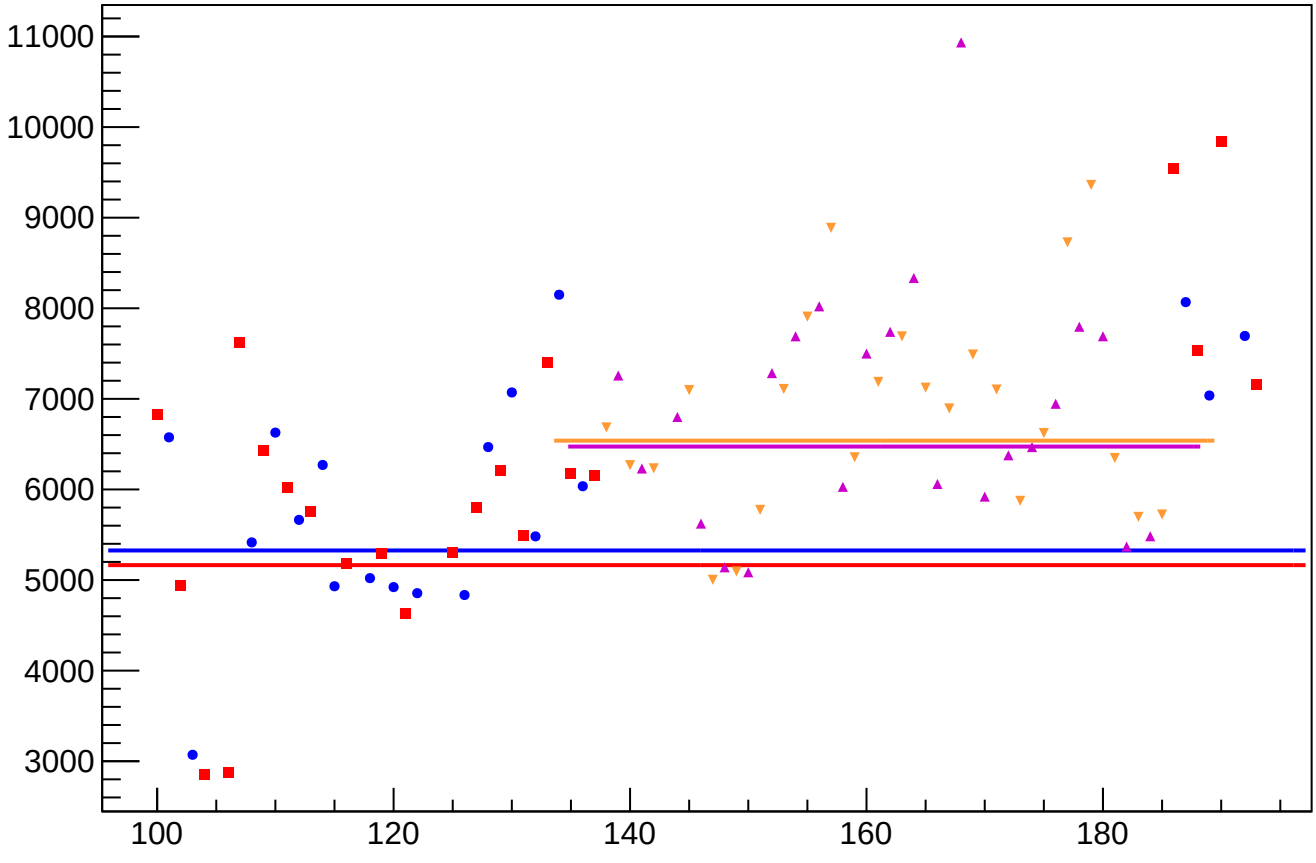
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4098.596+/-1187.781 χ^2/NDF: 42.6/42

All: -474.893+/-832.828 χ^2/NDF: 109.4/87

- sign -4897.776+/-1168.060 χ^2/NDF: 37.6/44

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

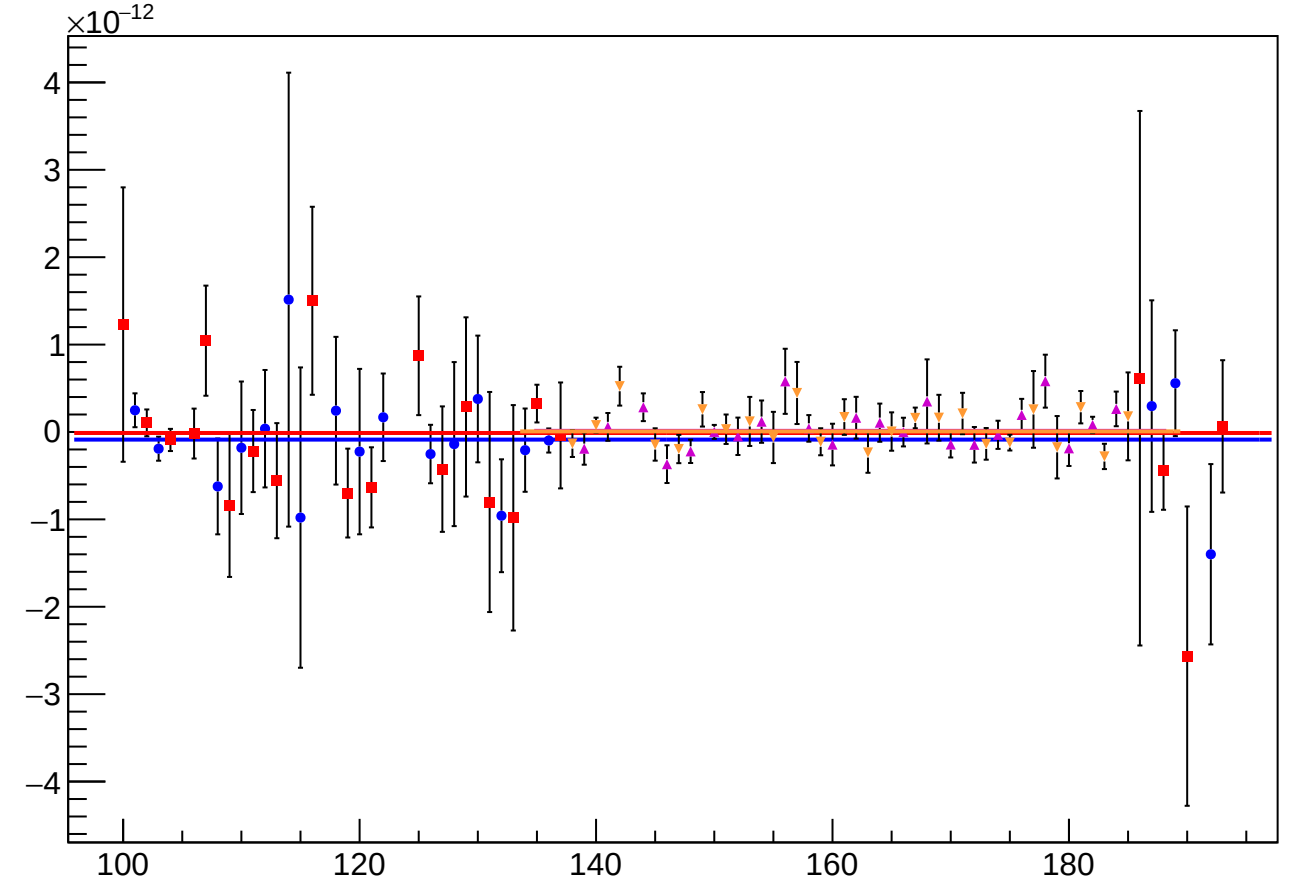
Right Out: 5164.467+/-1.246 χ^2/NDF: 1870699.3/21

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6042.196+/-0.840 χ^2/NDF: 2664264.5/42

All: 5972.918+/-0.587 χ^2/NDF: 6246090.4/87

- sign 5906.933+/-0.820 χ^2/NDF: 3568541.7/44



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

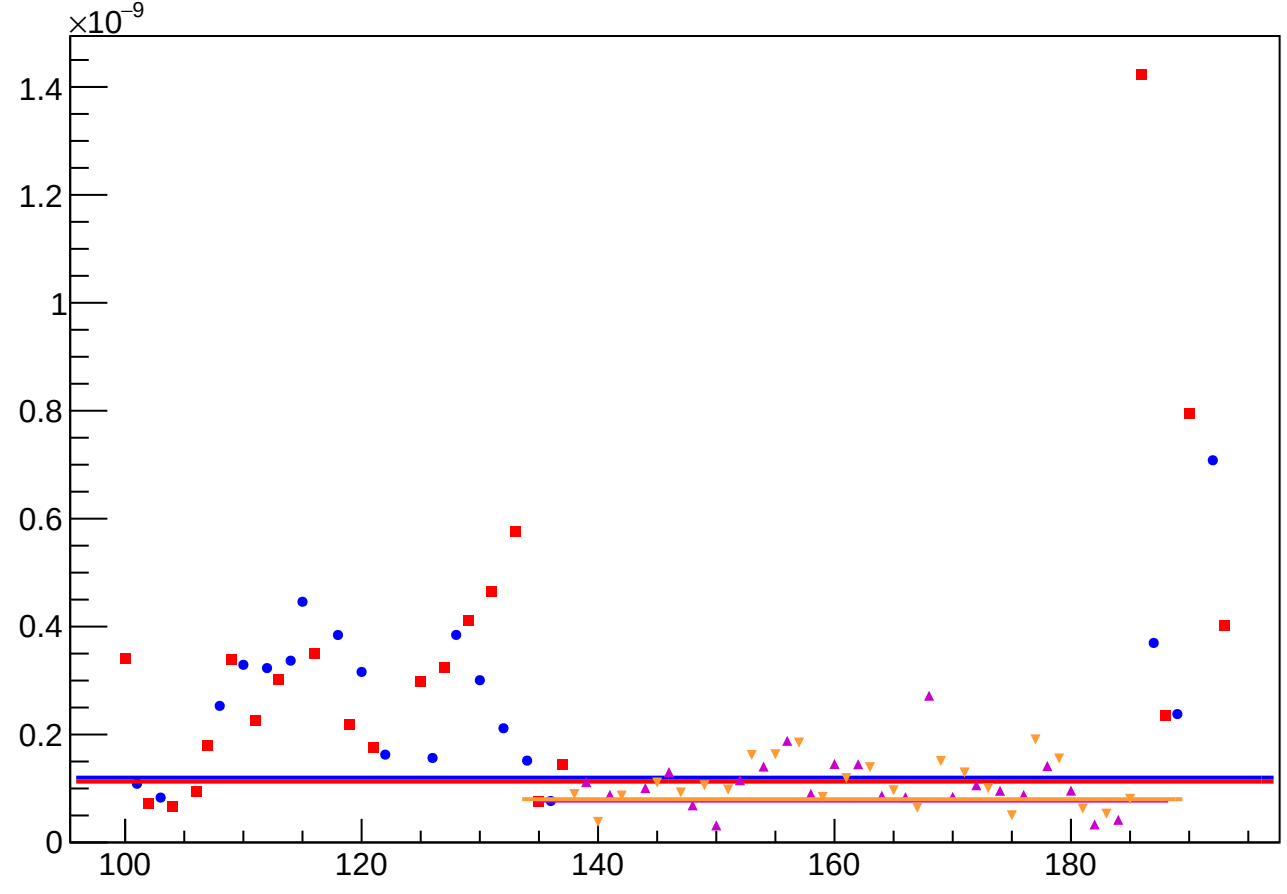
Right Out: -0.000+/-0.000 χ^2/NDF: 20.6/21

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: 84.3/87

- sign 0.000+/-0.000 χ^2/NDF: 44.7/44



Right In: 0.000+/-0.000 χ^2/NDF: 2348614.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

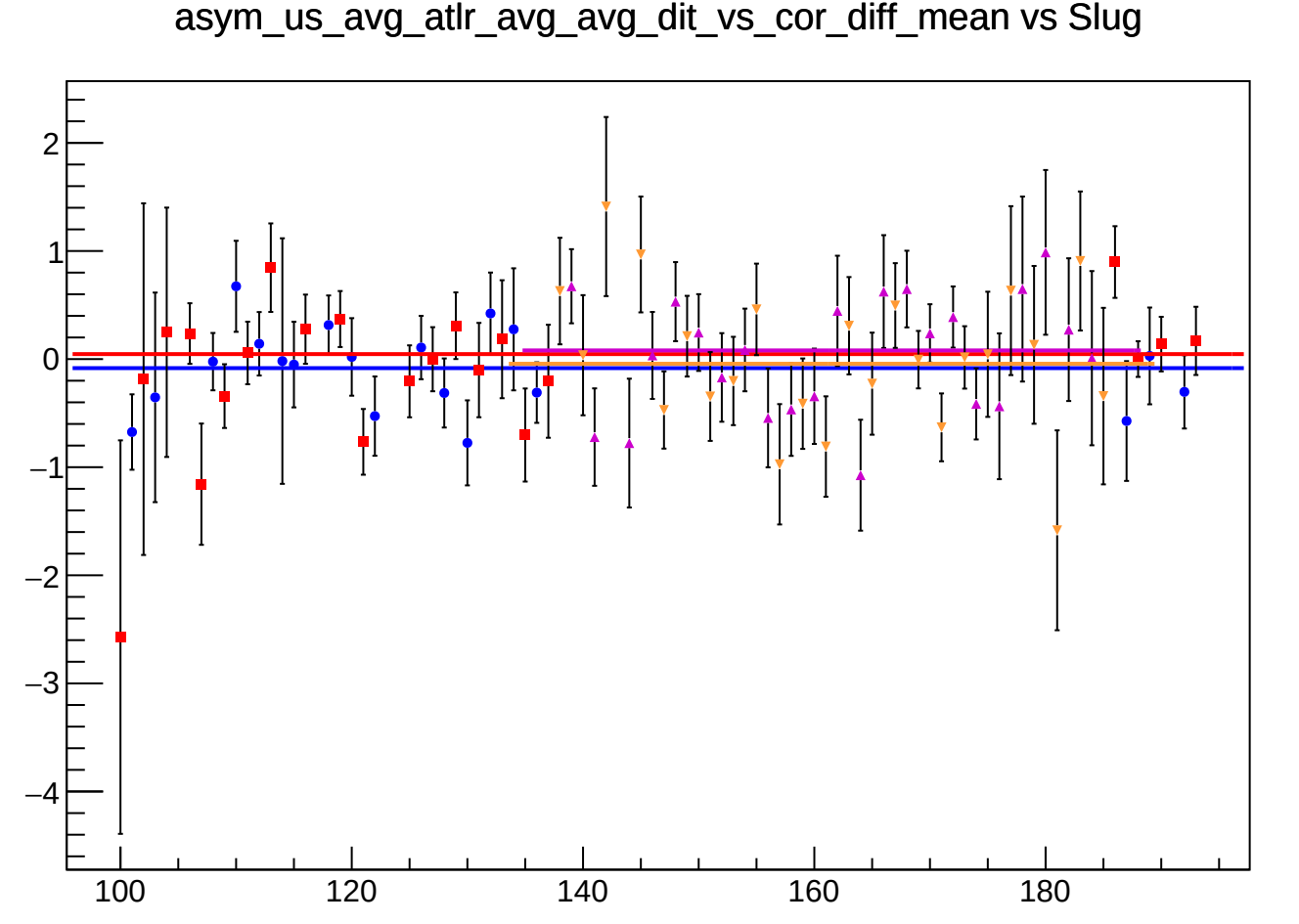
Right Out: 0.000+/-0.000 χ^2/NDF: 3236382.8/21

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: 11197674.6/87

- sign 0.000+/-0.000 χ^2/NDF: 6236190.0/44



Right In: -0.084+/-0.083 χ^2/NDF: 18.6/18

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

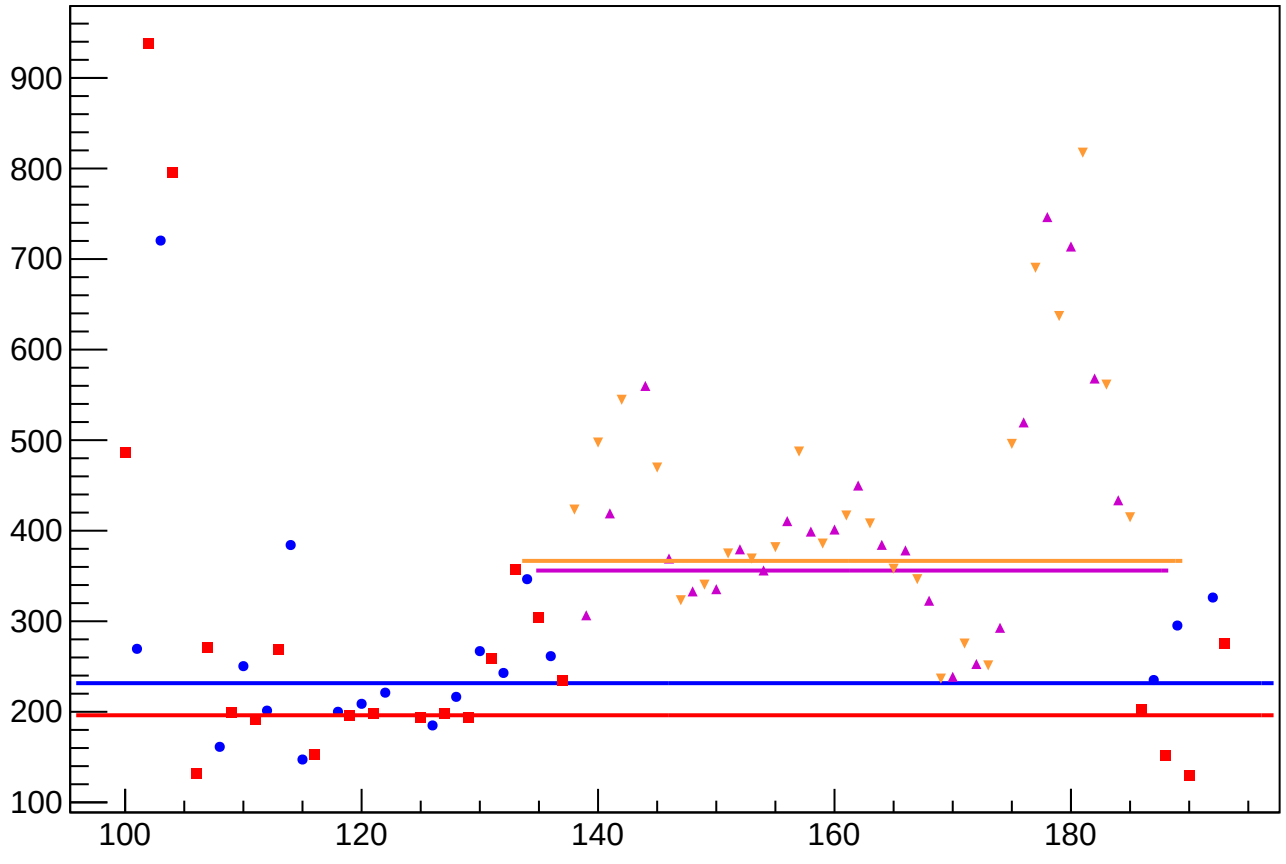
Right Out: 0.046+/-0.070 χ^2/NDF: 33.7/21

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

\+ sign -0.065+/-0.061 χ^2/NDF: 49.7/42

All: 0.004+/-0.041 χ^2/NDF: 116.1/87

\- sign 0.060+/-0.055 χ^2/NDF: 64.1/44



Right In: 231.626+/-0.059 χ^2/NDF: 1235881.3/18

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

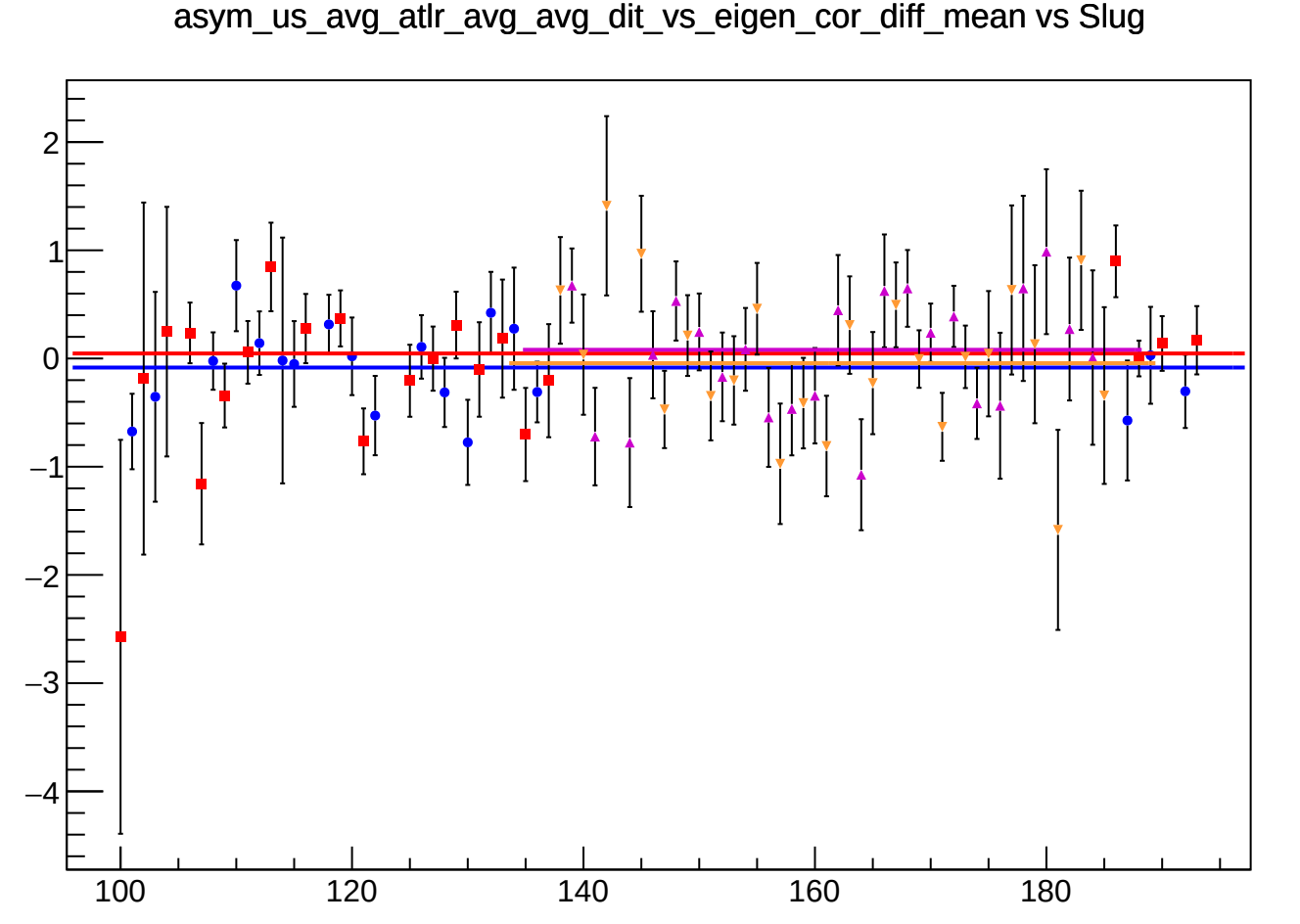
Right Out: 196.180+/-0.050 χ^2/NDF: 2009461.6/21

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 293.582+/-0.043 χ^2/NDF: 6489525.9/42

All: 274.185+/-0.029 χ^2/NDF: 15320599.6/87

- sign 258.631+/-0.039 χ^2/NDF: 8469898.6/44



Right In: -0.084+/-0.083 χ^2/NDF: 18.6/18

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

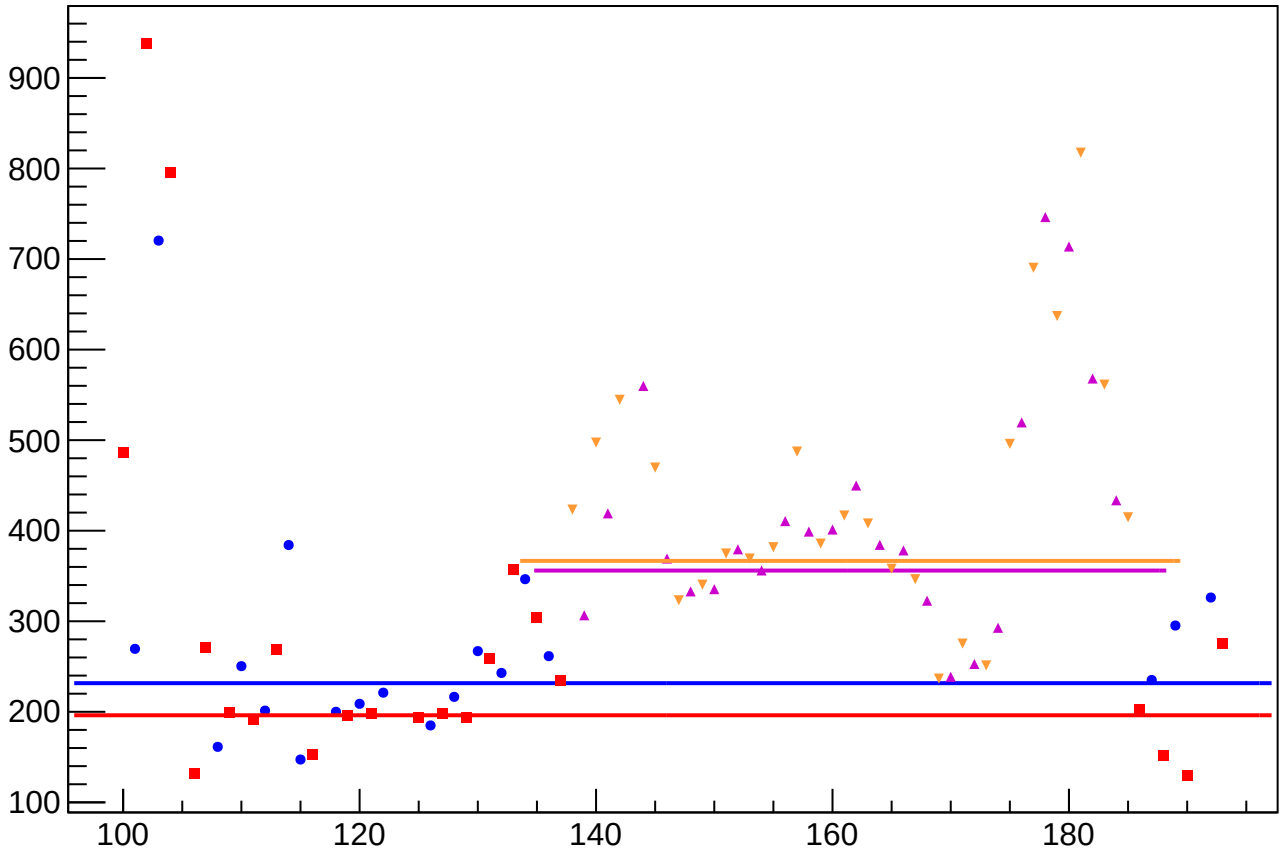
Right Out: 0.046+/-0.070 χ^2/NDF: 33.7/21

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.065+/-0.061 χ^2/NDF: 49.7/42

All: 0.004+/-0.041 χ^2/NDF: 116.1/87

- sign 0.060+/-0.055 χ^2/NDF: 64.1/44



Right In: 231.626+/-0.059 χ^2/NDF: 1235881.3/18

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

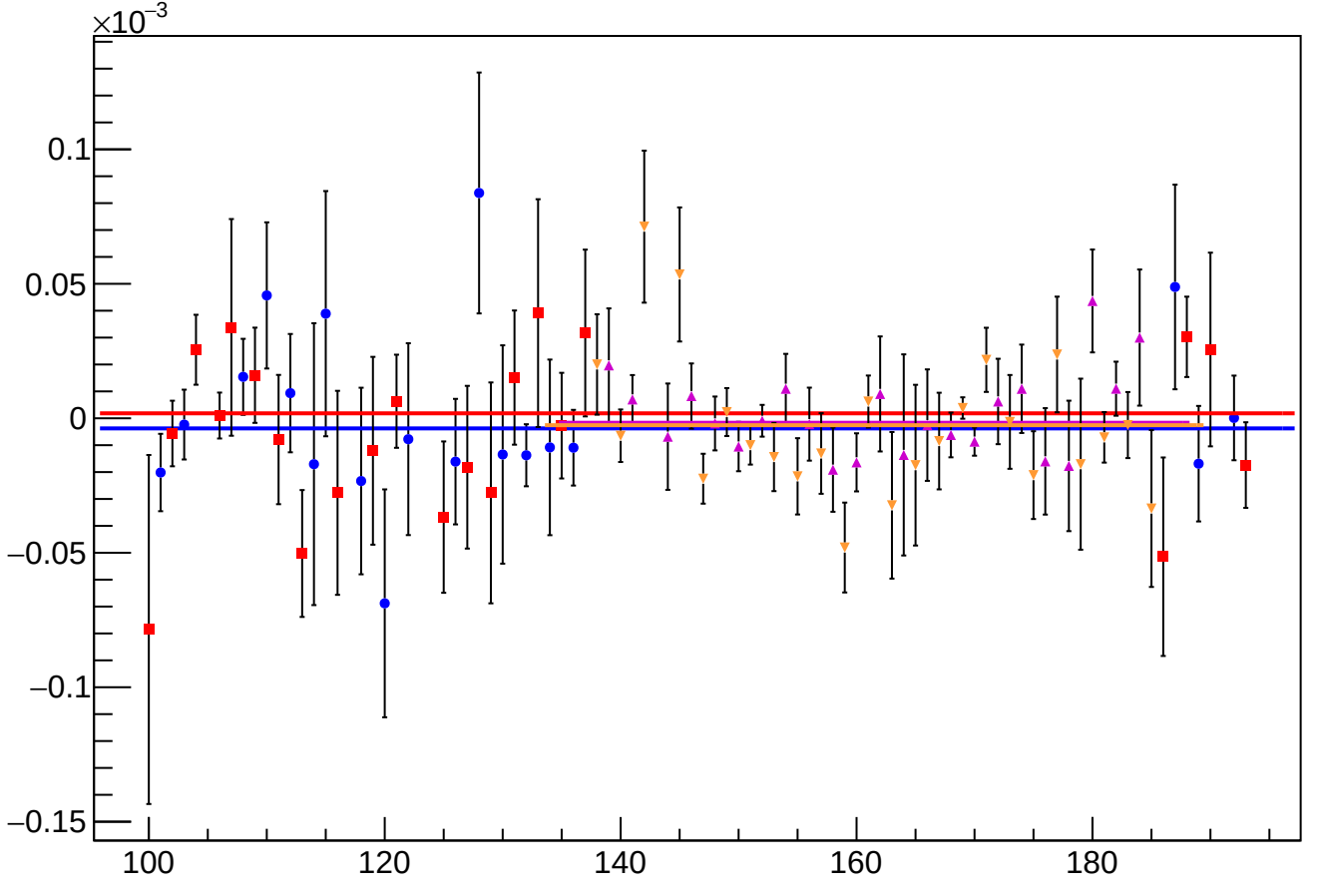
Right Out: 196.180+/-0.050 χ^2/NDF: 2009461.6/21

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 293.582+/-0.043 χ^2/NDF: 6489525.9/42

All: 274.185+/-0.029 χ^2/NDF: 15320599.6/87

- sign 258.631+/-0.039 χ^2/NDF: 8469898.6/44



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

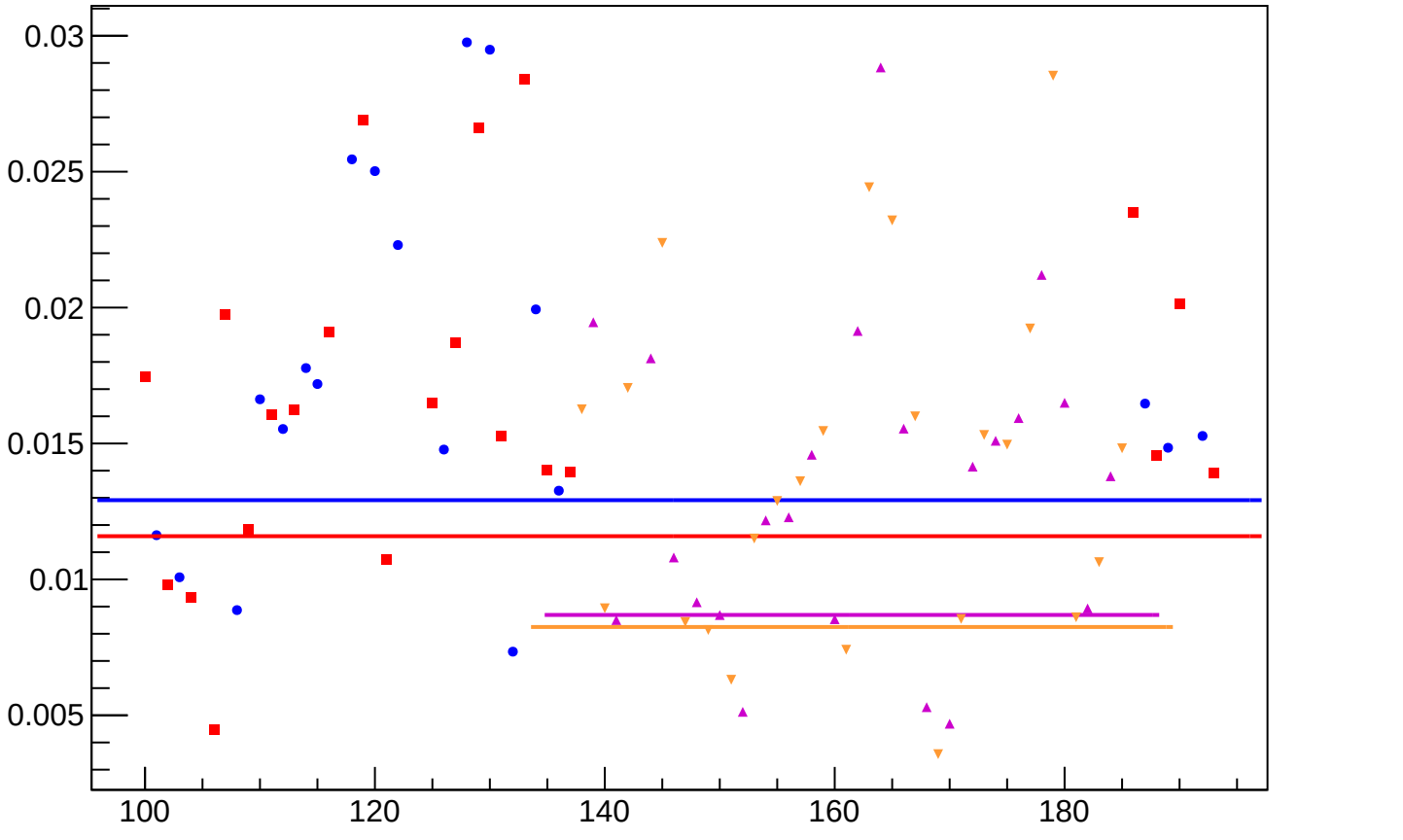
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/21

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: 108.1/87

- sign -0.000+/-0.000 χ^2/NDF: 46.1/44



Right In: 0.013+/-0.000 χ^2/NDF: 2207159.4/18

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

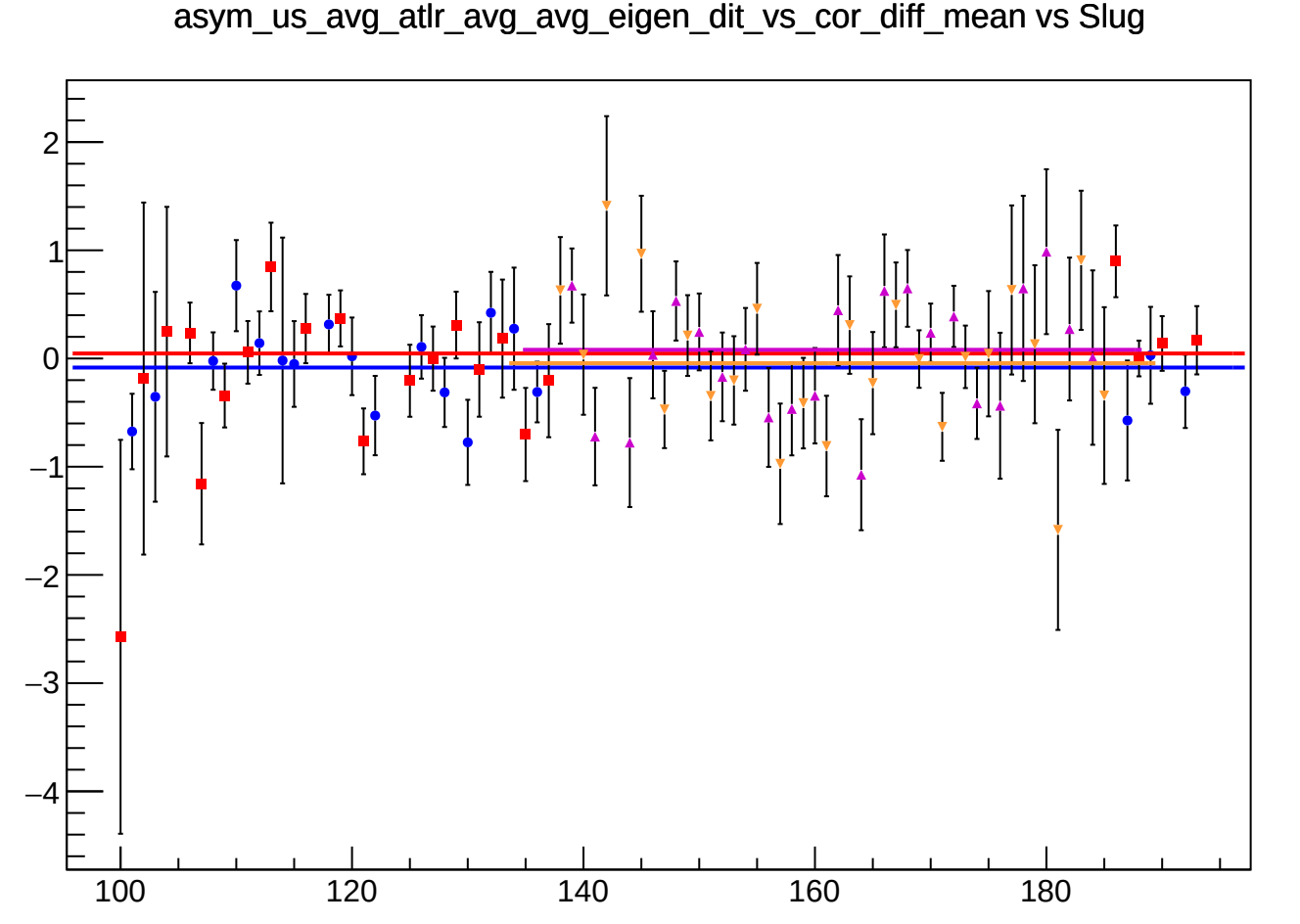
Right Out: 0.012+/-0.000 χ^2/NDF: 3491299.4/21

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: 23808396.7/87

\- sign 0.009+/-0.000 χ^2/NDF: 11098505.7/44



Right In: -0.084+/-0.083 χ^2/NDF: 18.6/18

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

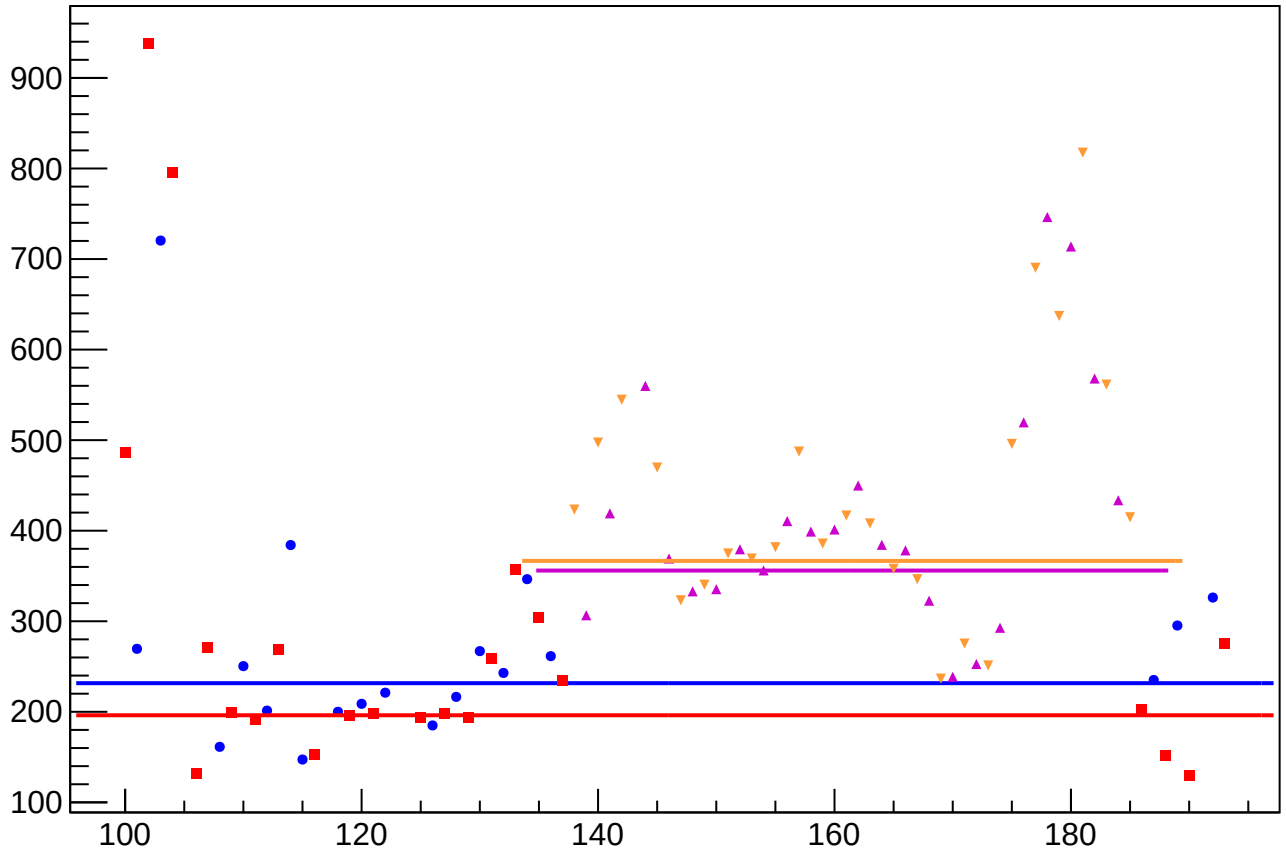
Right Out: 0.046+/-0.070 χ^2/NDF: 33.7/21

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.065+/-0.061 χ^2/NDF: 49.7/42

All: 0.004+/-0.041 χ^2/NDF: 116.1/87

- sign 0.060+/-0.055 χ^2/NDF: 64.1/44



Right In: 231.624+/-0.059 χ^2/NDF: 1235871.3/18

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

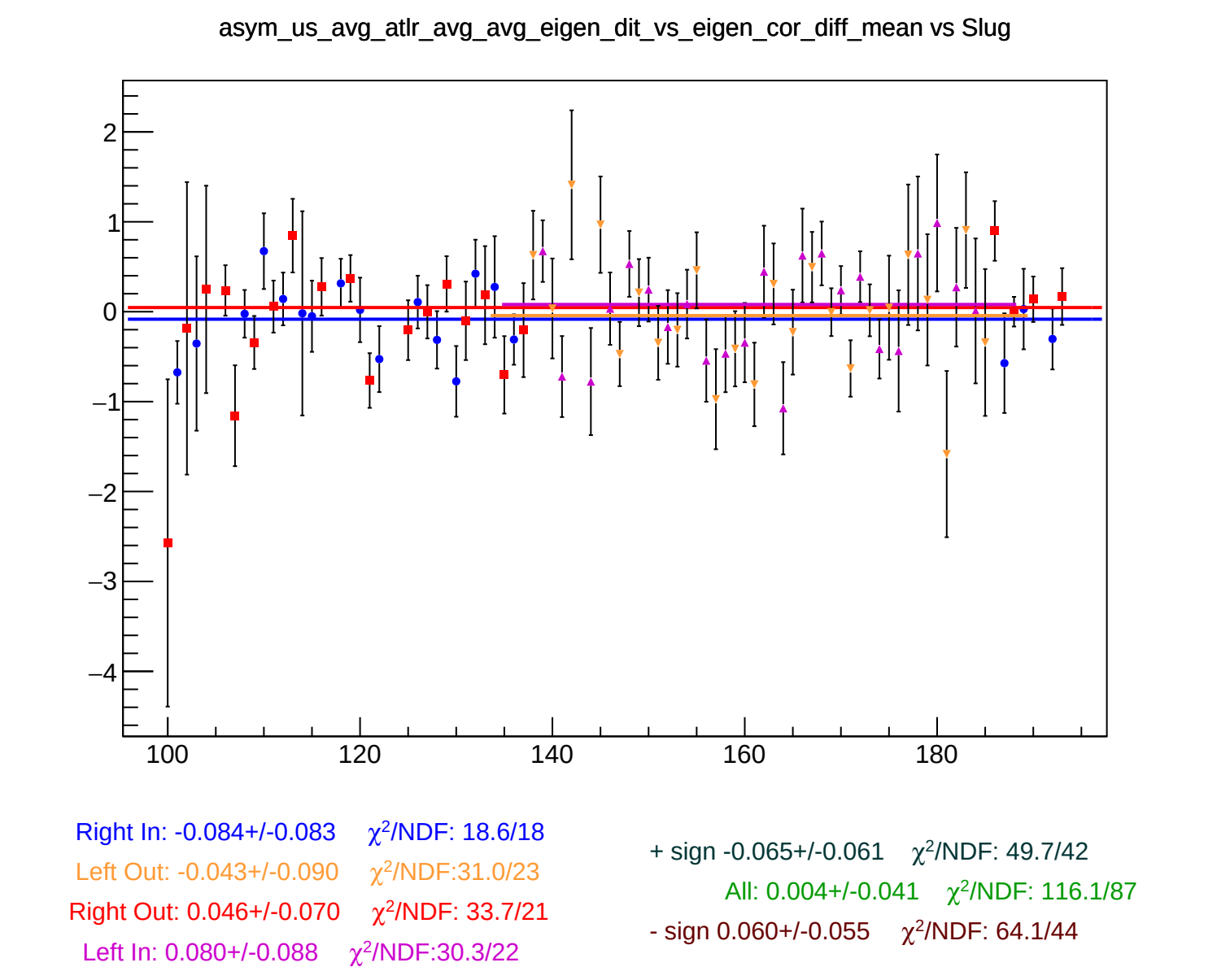
Right Out: 196.177+/-0.050 χ^2/NDF: 2009465.6/21

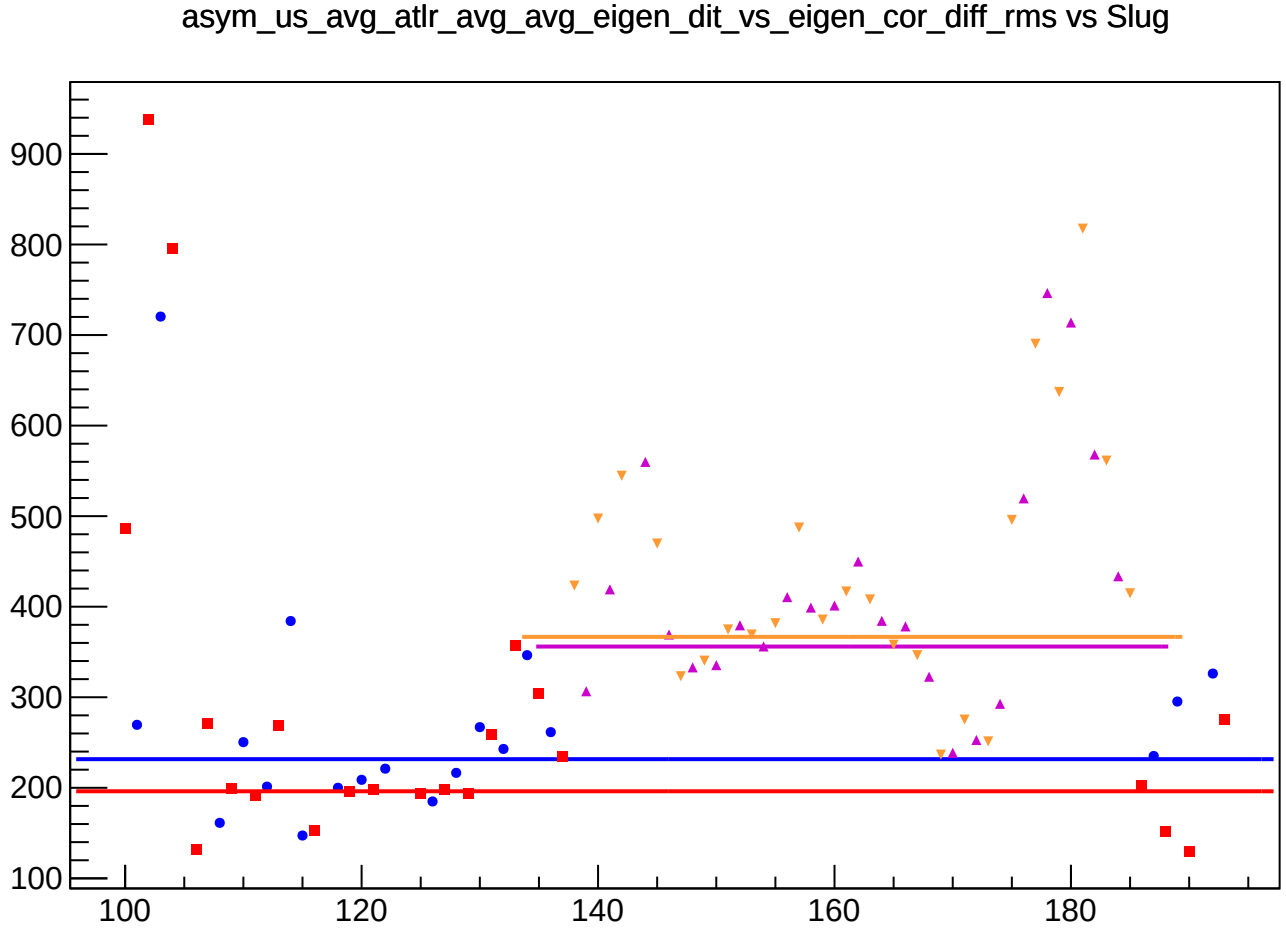
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

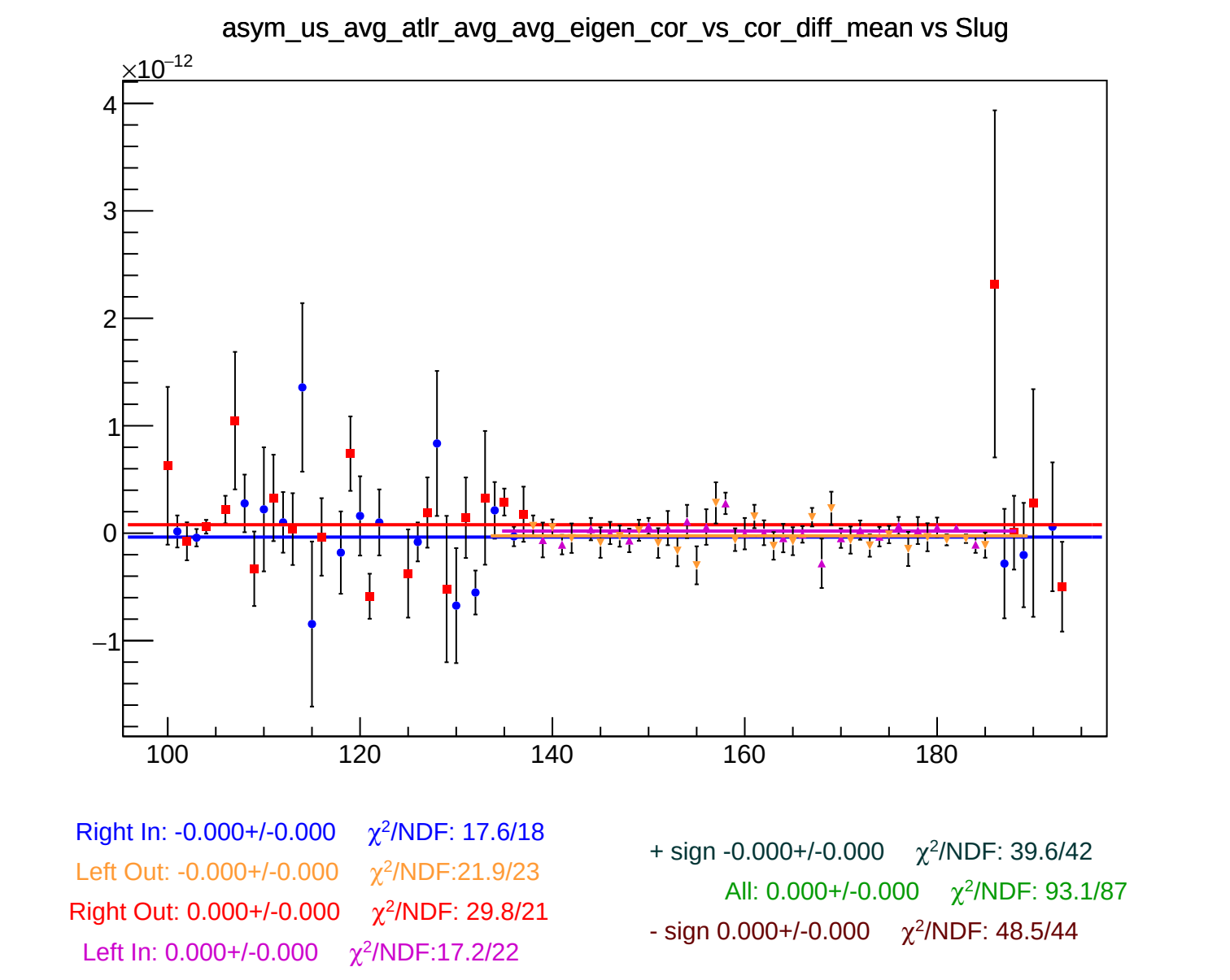
+ sign 293.580+/-0.043 χ^2/NDF: 6489804.5/42

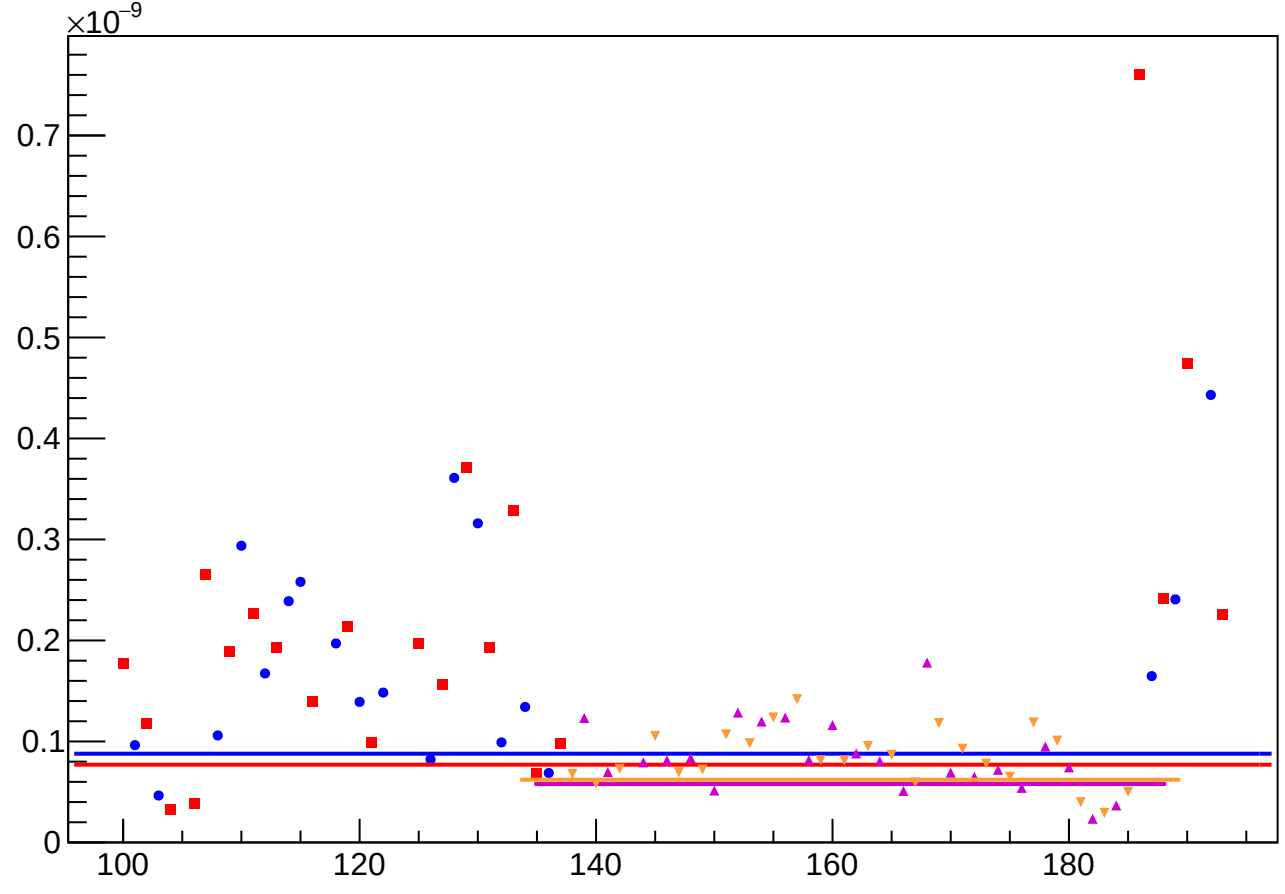
All: 274.183+/-0.029 χ^2/NDF: 15321331.8/87

- sign 258.628+/-0.039 χ^2/NDF: 8470315.8/44


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
Right In: -0.084+/-0.083 χ²/NDF: 18.6/18
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.046+/-0.070 χ²/NDF: 33.7/21
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.065+/-0.061 χ²/NDF: 49.7/42
All: 0.004+/-0.041 χ²/NDF: 116.1/87
- sign 0.060+/-0.055 χ²/NDF: 64.1/44


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
100
120
140
160
180
Right In: 231.624+/-0.059 χ²/NDF: 1235871.3/18
Left Out: 366.671+/-0.064 χ²/NDF:2841292.6/23
Right Out: 196.177+/-0.050 χ²/NDF: 2009465.6/21
Left In: 355.993+/-0.062 χ²/NDF:2420863.3/22
+ sign 293.580+/-0.043 χ²/NDF: 6489804.5/42
All: 274.183+/-0.029 χ²/NDF: 15321331.8/87
- sign 258.628+/-0.039 χ²/NDF: 8470315.8/44


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 17.6/18
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 29.8/21
Left In: 0.000+/-0.000 χ²/NDF:17.2/22
+ sign -0.000+/-0.000 χ²/NDF: 39.6/42
All: 0.000+/-0.000 χ²/NDF: 93.1/87
- sign 0.000+/-0.000 χ²/NDF: 48.5/44



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: 5129539.6/21

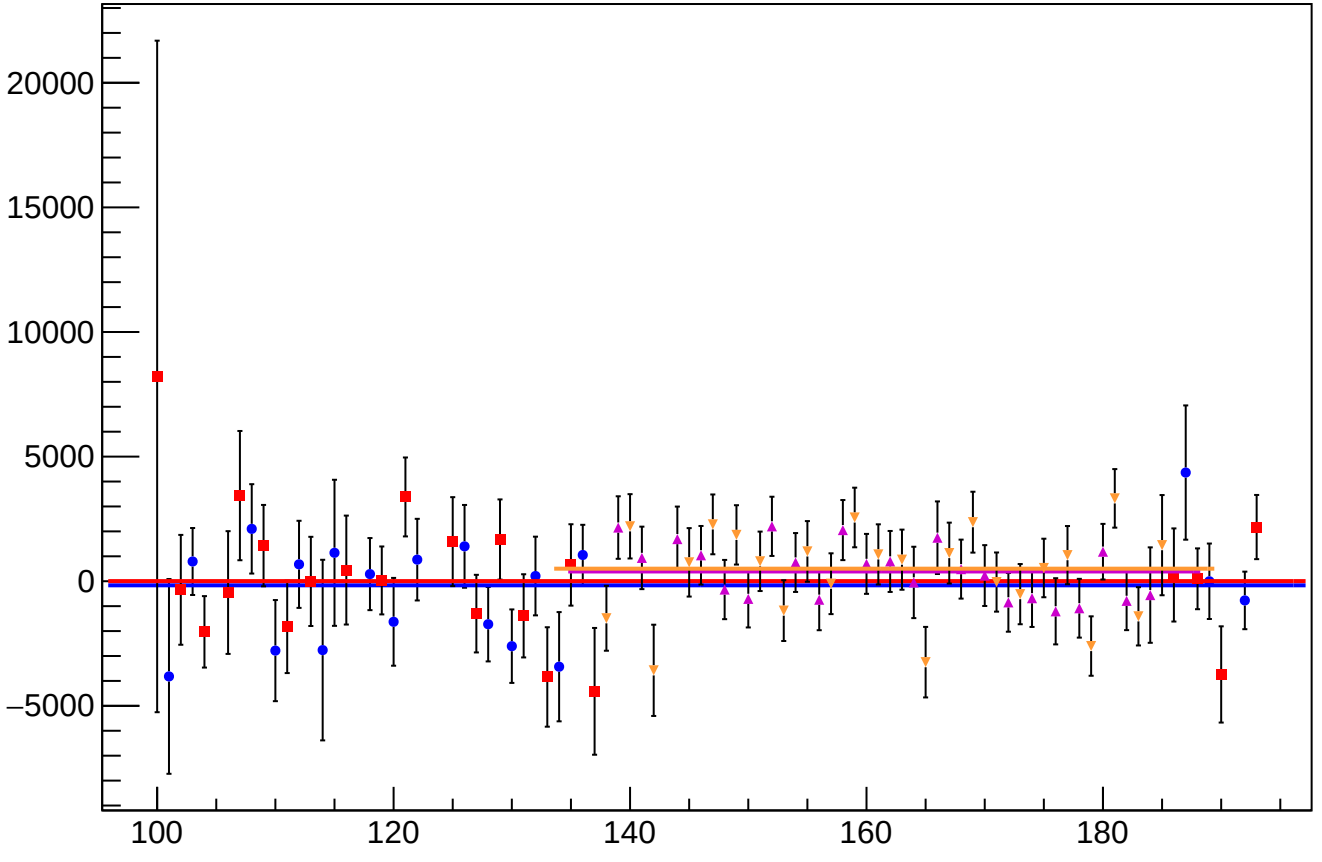
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7820158.1/42

All: 0.000+/-0.000 χ^2/NDF: 18876045.6/87

- sign 0.000+/-0.000 χ^2/NDF: 10968777.9/44

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: 5.124+/-372.202 χ^2/NDF: 27.3/21

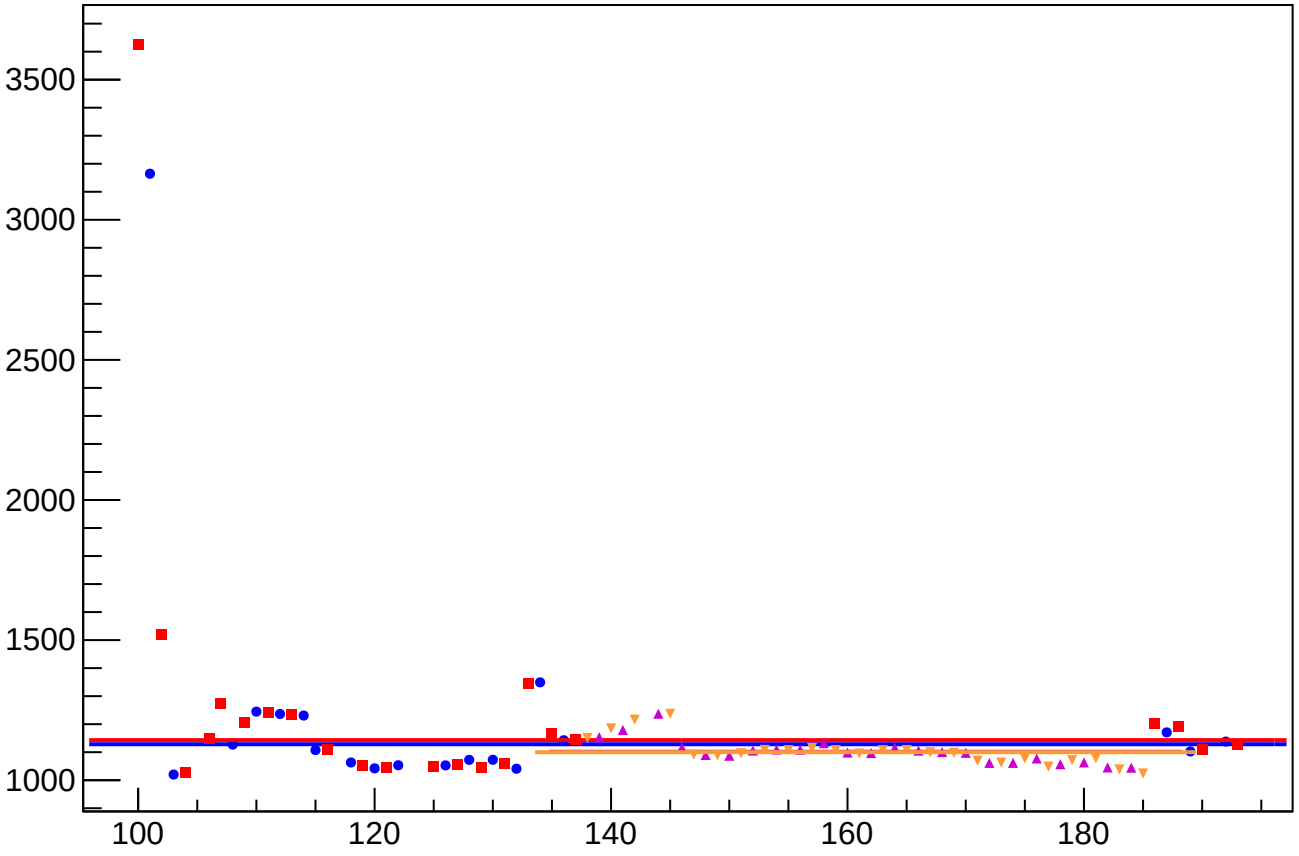
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 299.249+/-212.867 χ^2/NDF: 64.5/42

All: 282.856+/-150.105 χ^2/NDF: 110.4/87

- sign 266.642+/-211.699 χ^2/NDF: 45.9/44

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

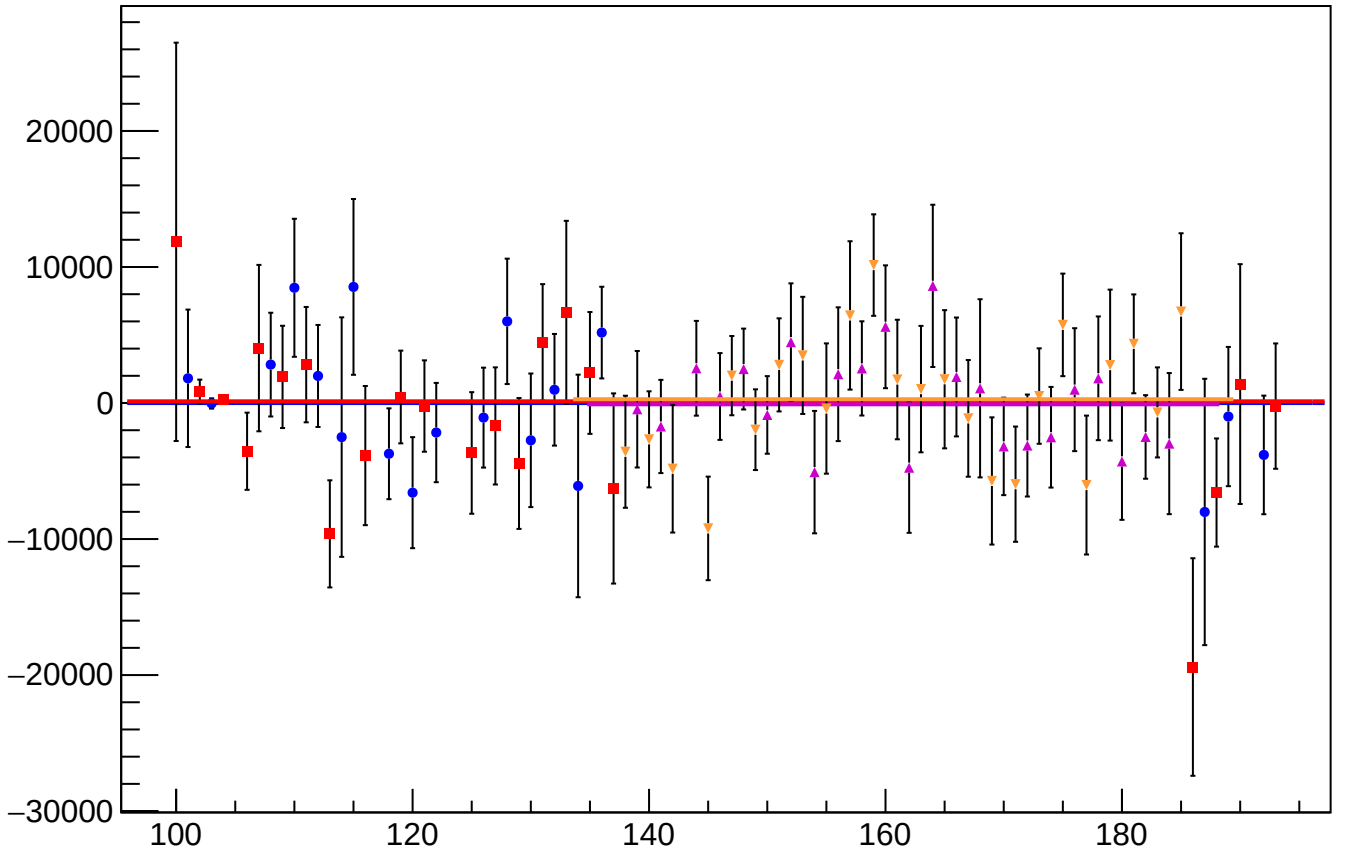
Right Out: 1143.086+/-0.263 χ^2/NDF: 226624.0/21

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1108.713+/-0.151 χ^2/NDF: 688830.4/42

All: 1111.874+/-0.106 χ^2/NDF: 985374.5/87

- sign 1114.998+/-0.150 χ^2/NDF: 295667.1/44



Right In: -2.884+/-355.359 χ^2/NDF: 16.3/18

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

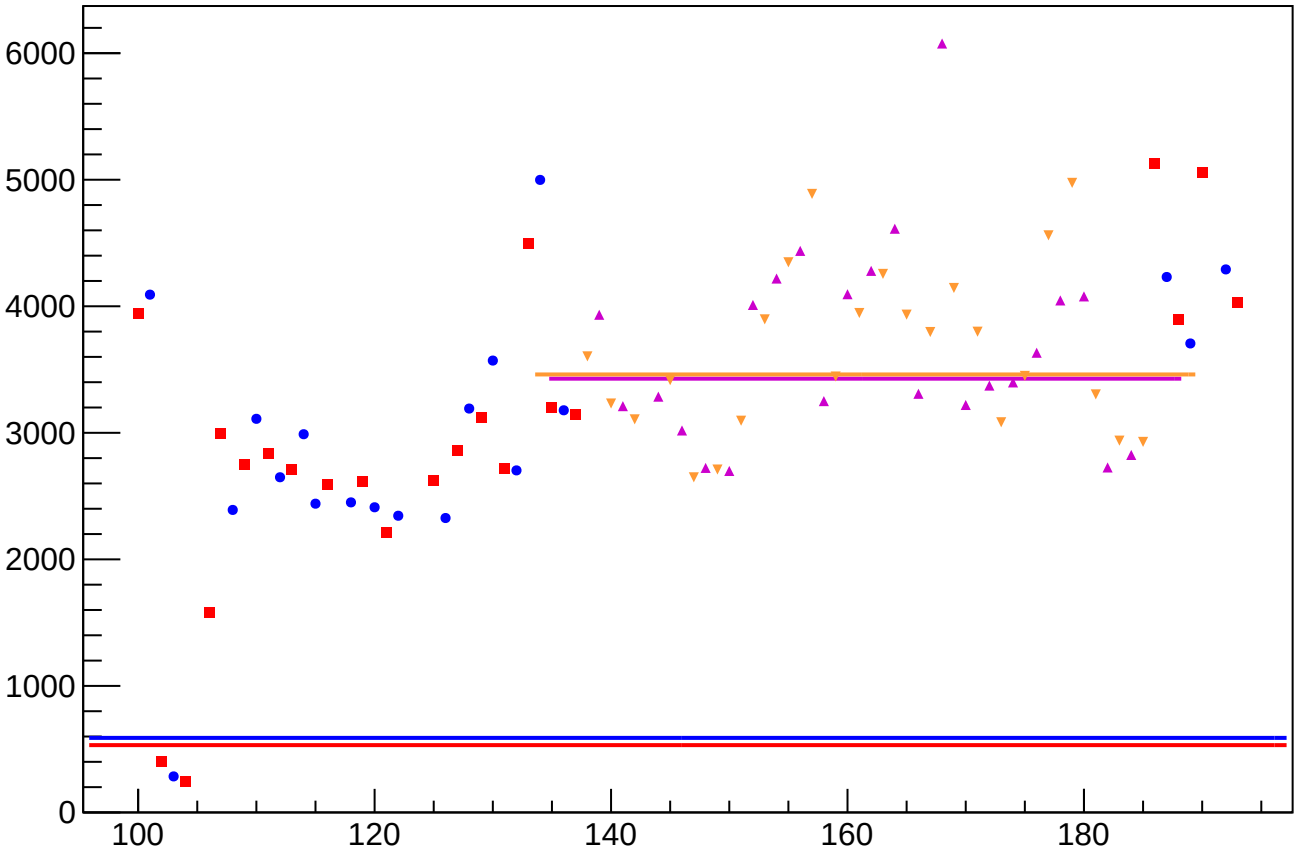
Right Out: 125.707+/-320.241 χ^2/NDF: 24.5/21

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 41.403+/-326.089 χ^2/NDF: 46.3/42

All: 71.337+/-220.046 χ^2/NDF: 84.6/87

- sign 96.363+/-298.165 χ^2/NDF: 38.2/44



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: 532.047+/-0.226 χ^2/NDF: 13011927.2/21

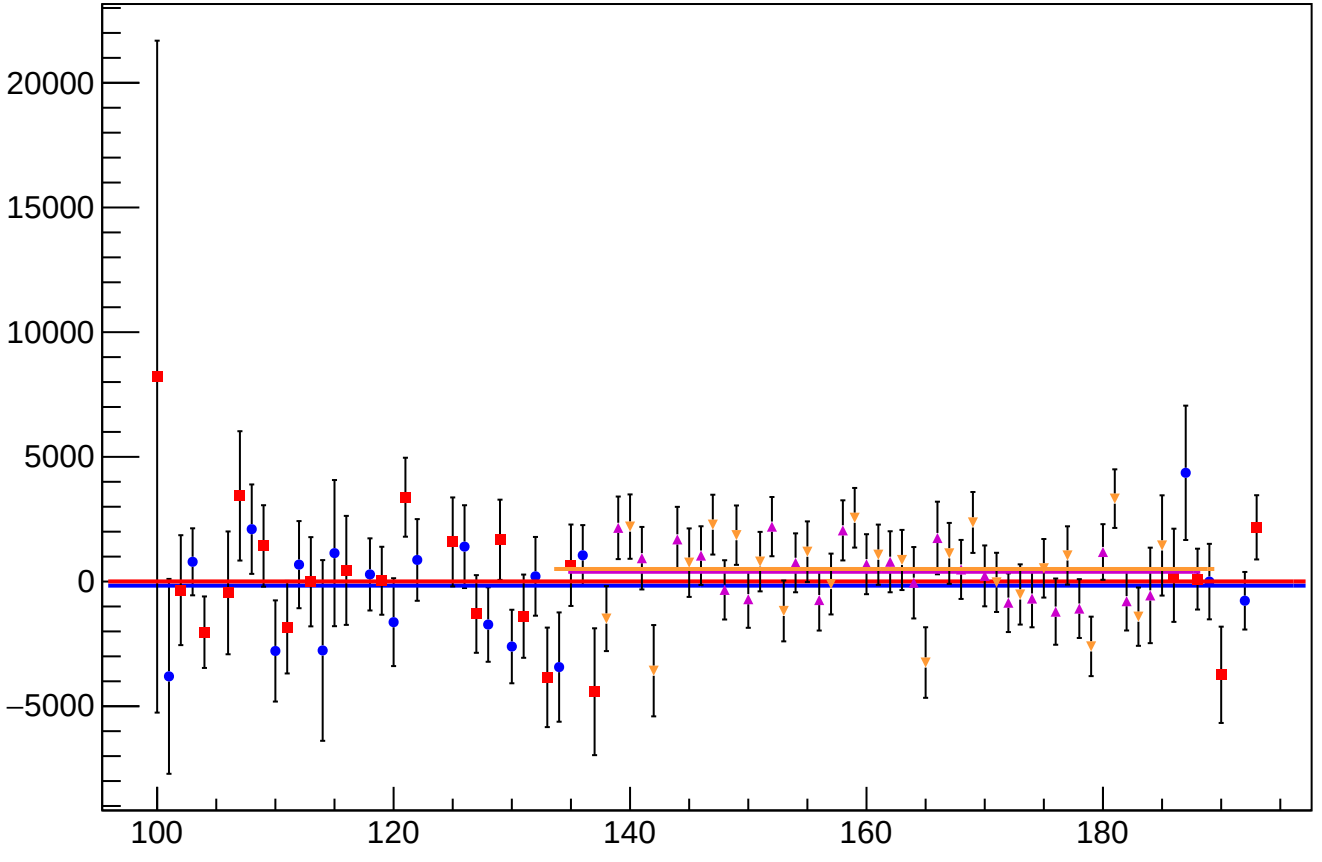
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1042.938+/-0.231 χ^2/NDF: 33866294.1/42

All: 974.635+/-0.156 χ^2/NDF: 70052072.2/87

- sign 917.528+/-0.211 χ^2/NDF: 36024665.0/44

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: 5.026+/-372.202 χ^2/NDF: 27.3/21

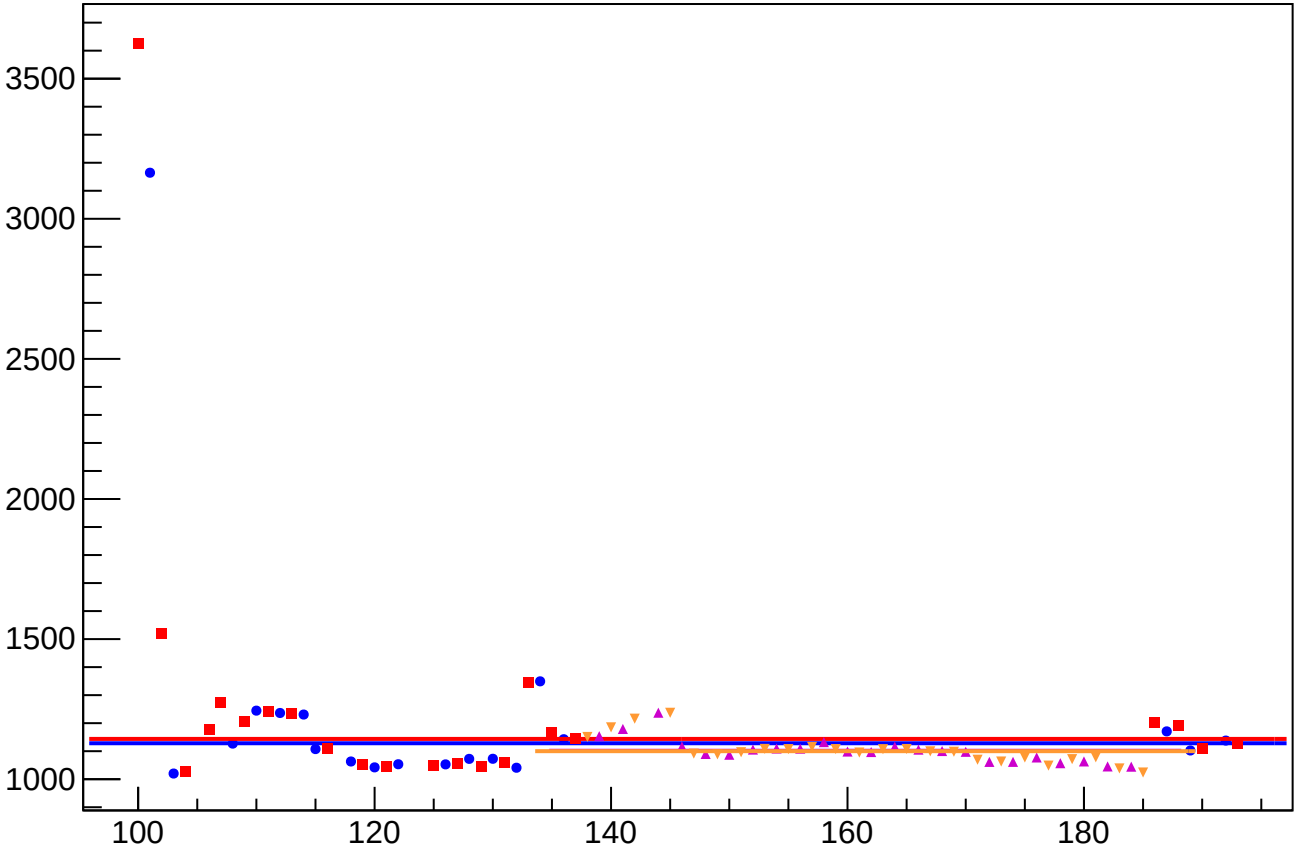
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 299.351+/-212.867 χ^2/NDF: 64.5/42

All: 282.886+/-150.105 χ^2/NDF: 110.4/87

- sign 266.602+/-211.699 χ^2/NDF: 45.9/44

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

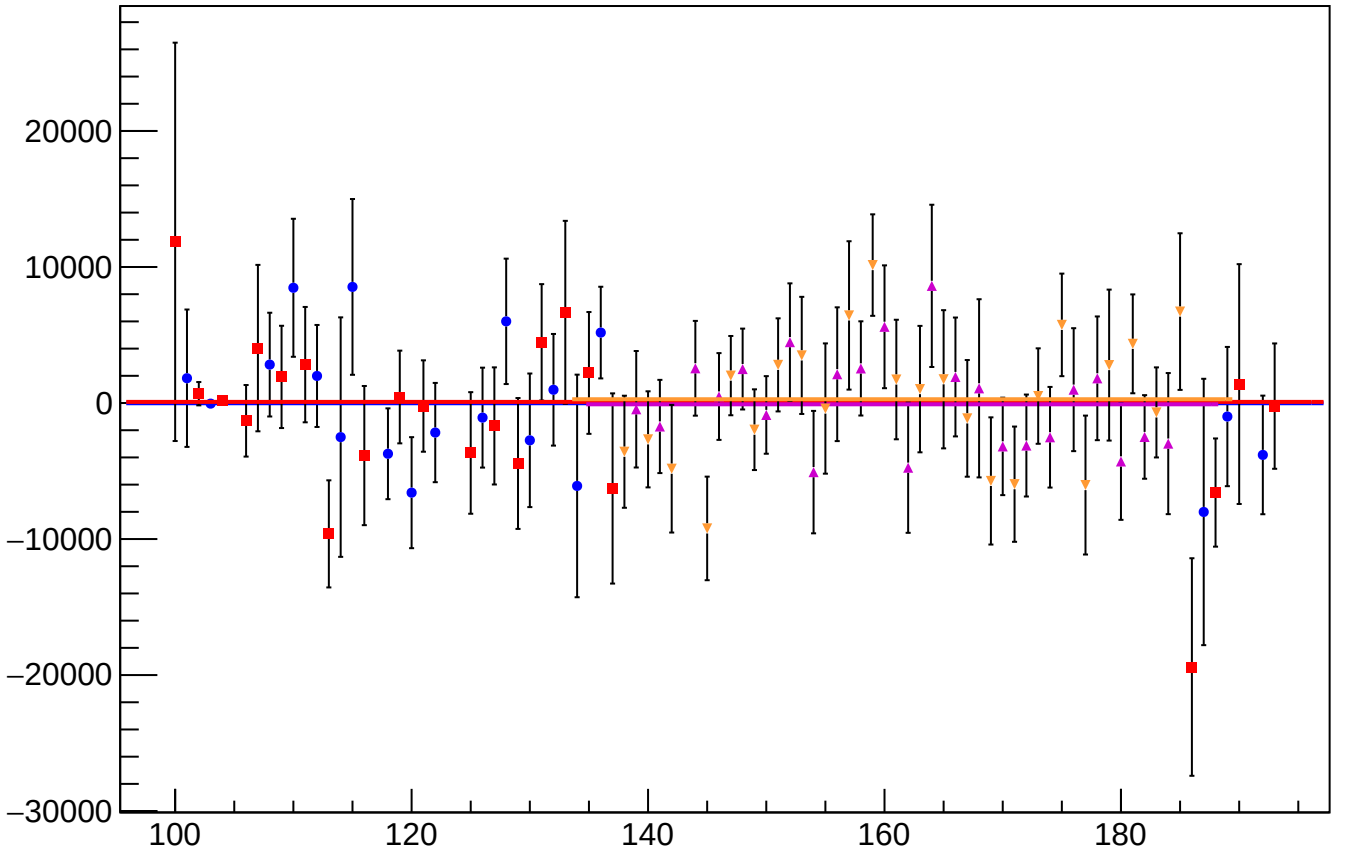
Right Out: 1143.813+/-0.263 χ^2/NDF: 227038.6/21

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1108.713+/-0.151 χ^2/NDF: 688831.4/42

All: 1111.983+/-0.106 χ^2/NDF: 986425.9/87

- sign 1115.216+/-0.150 χ^2/NDF: 296655.9/44



Right In: -16.410+/-342.475 χ^2/NDF: 16.3/18

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

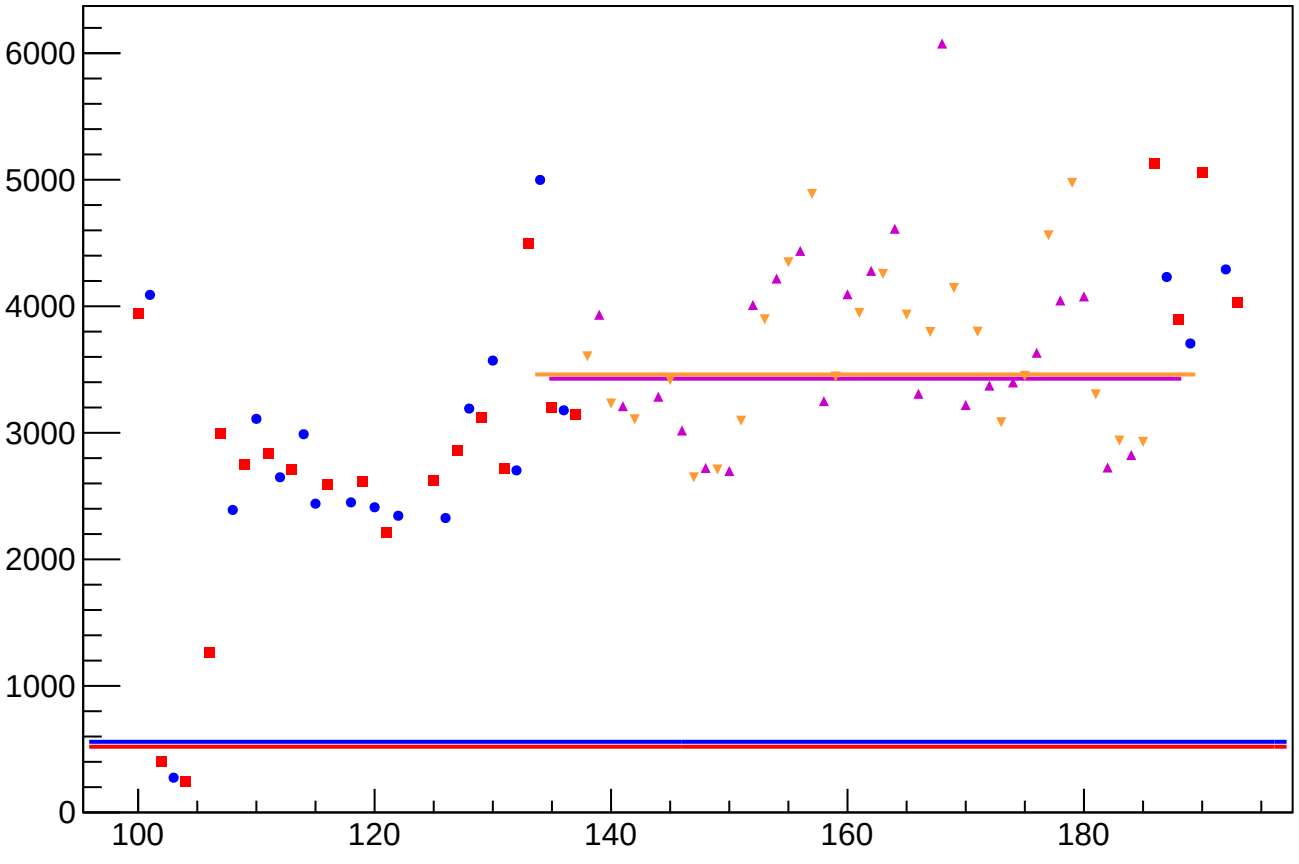
Right Out: 83.308+/-315.171 χ^2/NDF: 22.8/21

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 27.203+/-316.048 χ^2/NDF: 46.3/42

All: 44.918+/-215.286 χ^2/NDF: 82.9/87

- sign 60.254+/-294.061 χ^2/NDF: 36.5/44



Right In: 558.412+/-0.242 χ^2/NDF: 12368310.1/18

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 519.351+/-0.223 χ^2/NDF: 12959635.1/21

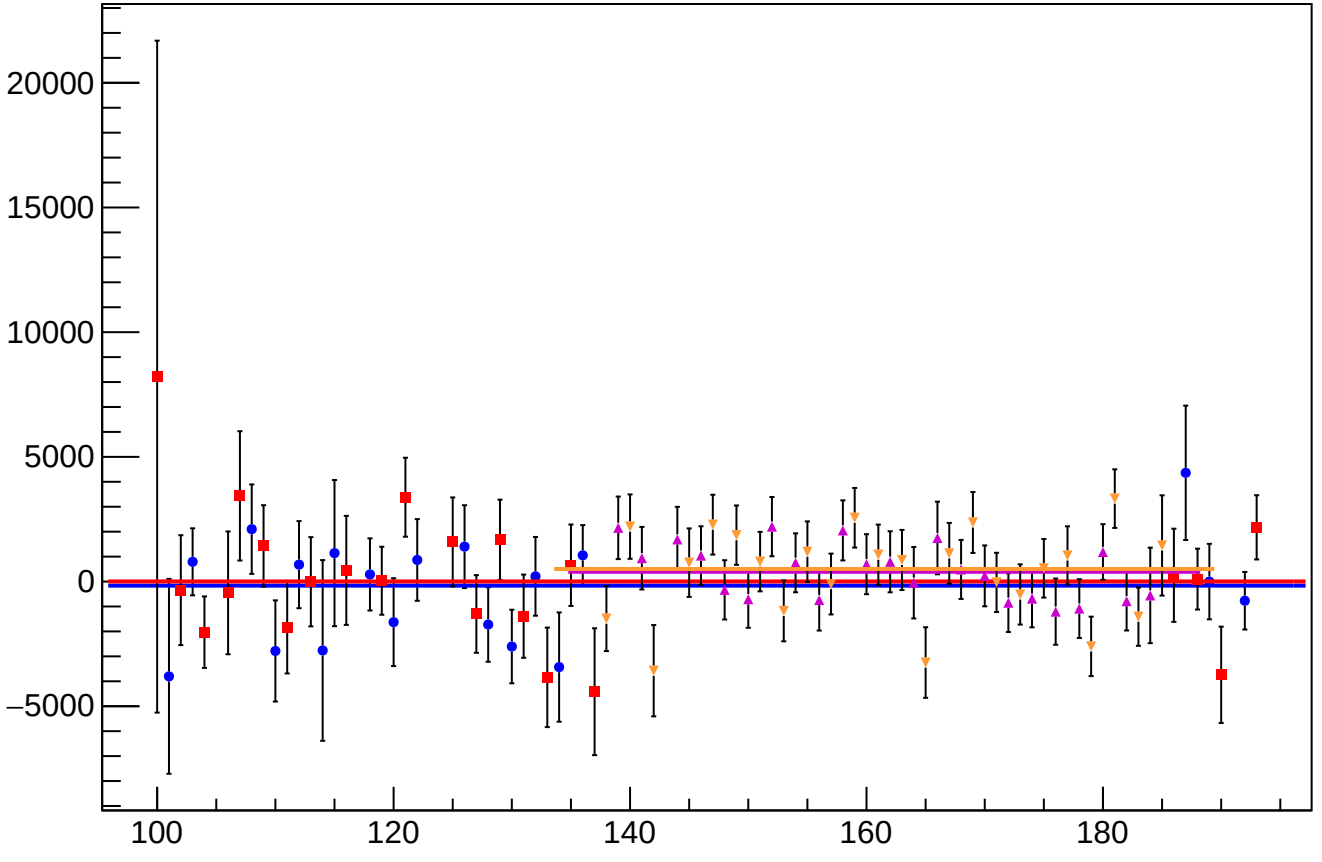
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 989.110+/-0.223 χ^2/NDF: 34746186.9/42

All: 939.169+/-0.152 χ^2/NDF: 71095243.3/87

- sign 895.936+/-0.208 χ^2/NDF: 36255887.5/44

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: 5.026+/-372.202 χ^2/NDF: 27.3/21

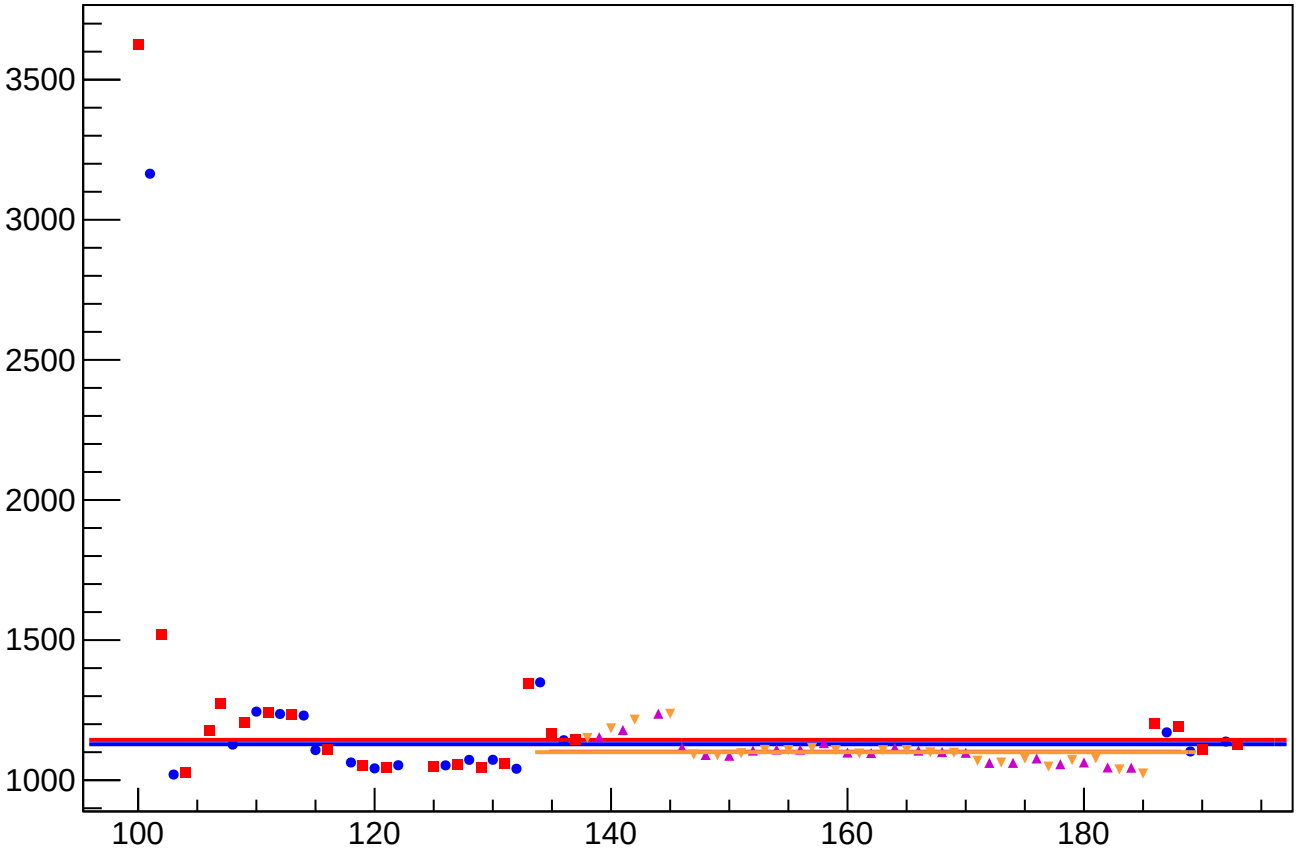
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 299.351+/-212.867 χ^2/NDF: 64.5/42

All: 282.886+/-150.105 χ^2/NDF: 110.4/87

- sign 266.602+/-211.699 χ^2/NDF: 45.9/44

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

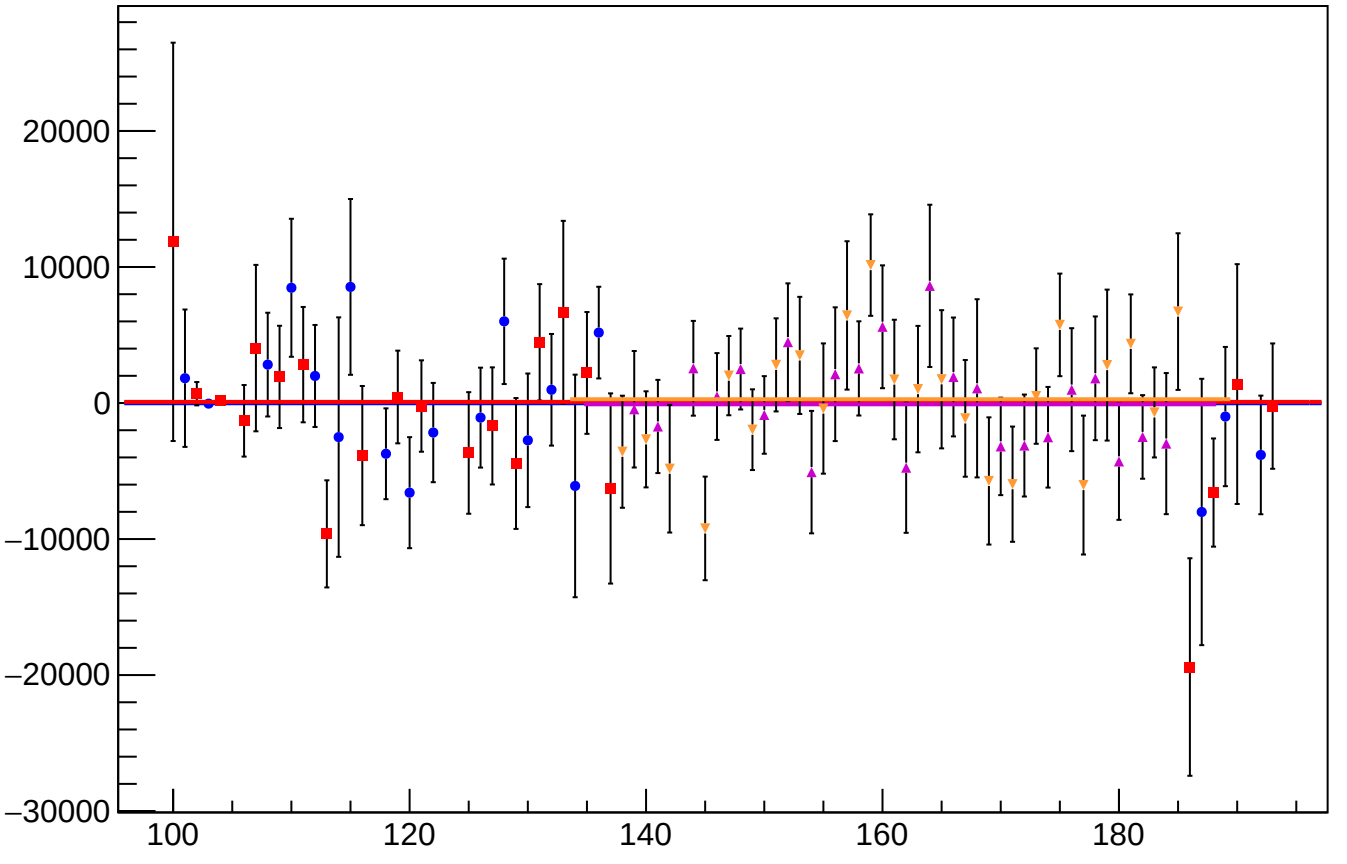
Right Out: 1143.813+/-0.263 χ^2/NDF: 227038.6/21

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1108.713+/-0.151 χ^2/NDF: 688831.4/42

All: 1111.983+/-0.106 χ^2/NDF: 986425.9/87

- sign 1115.216+/-0.150 χ^2/NDF: 296655.9/44



Right In: -16.410+/-342.475 χ^2/NDF: 16.3/18

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

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\+ sign 27.203+/-316.048 χ^2/NDF: 46.3/42

All: 44.918+/-215.286 χ^2/NDF: 82.9/87

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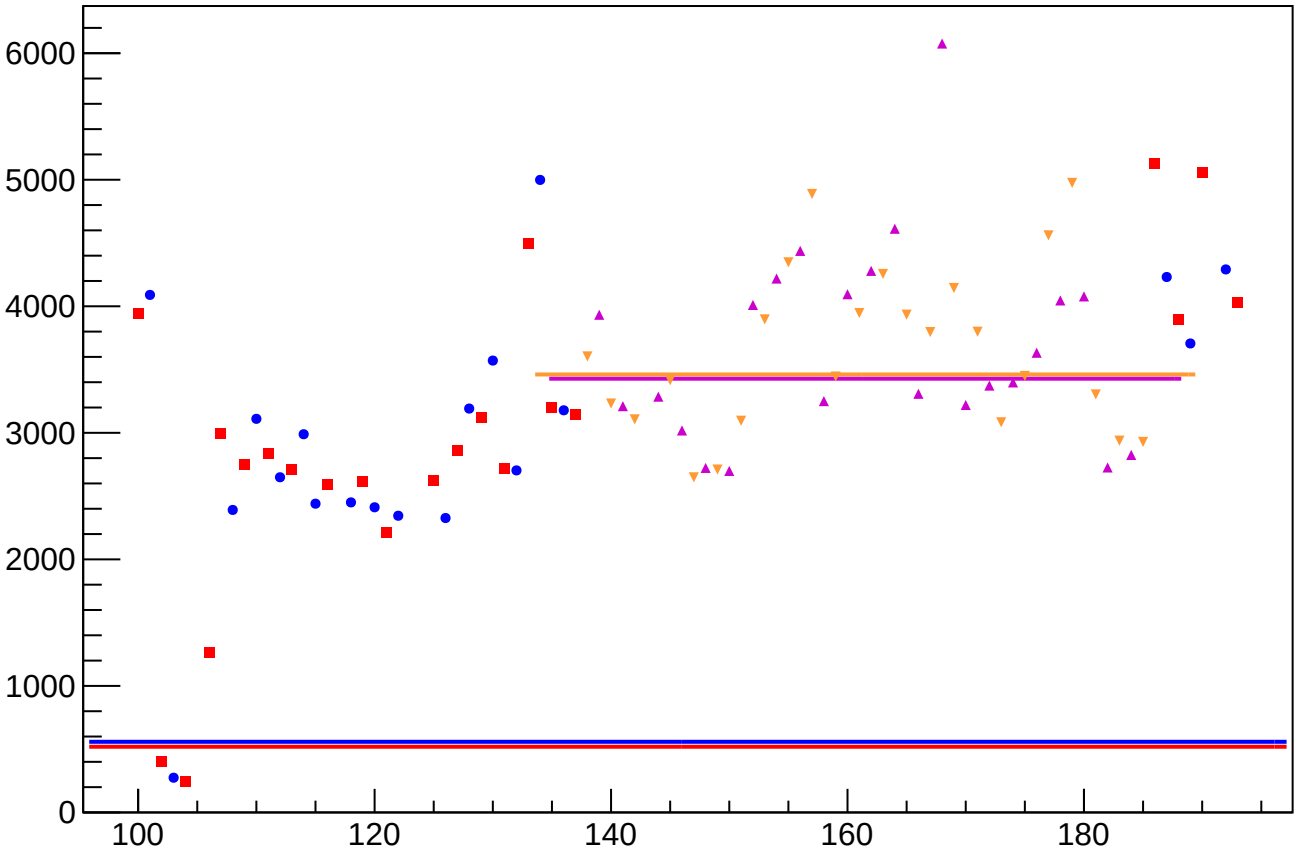


Right In: 558.412+/-0.242 χ^2/NDF: 12368310.1/18

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 519.351+/-0.223 χ^2/NDF: 12959635.1/21

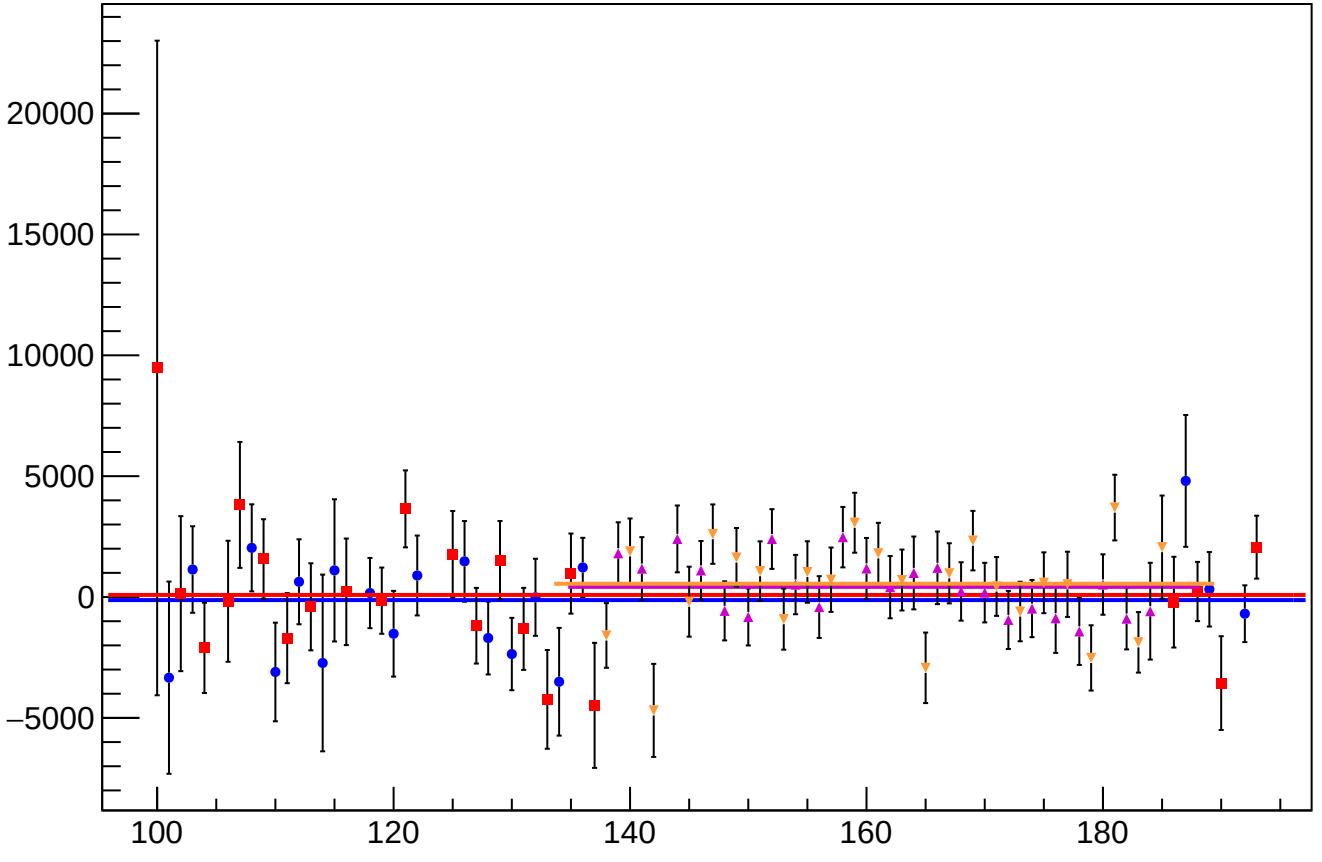
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 989.110+/-0.223 χ^2/NDF: 34746186.9/42

All: 939.169+/-0.152 χ^2/NDF: 71095243.3/87

- sign 895.936+/-0.208 χ^2/NDF: 36255887.5/44

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: 86.935+/-383.324 χ^2/NDF: 27.5/21

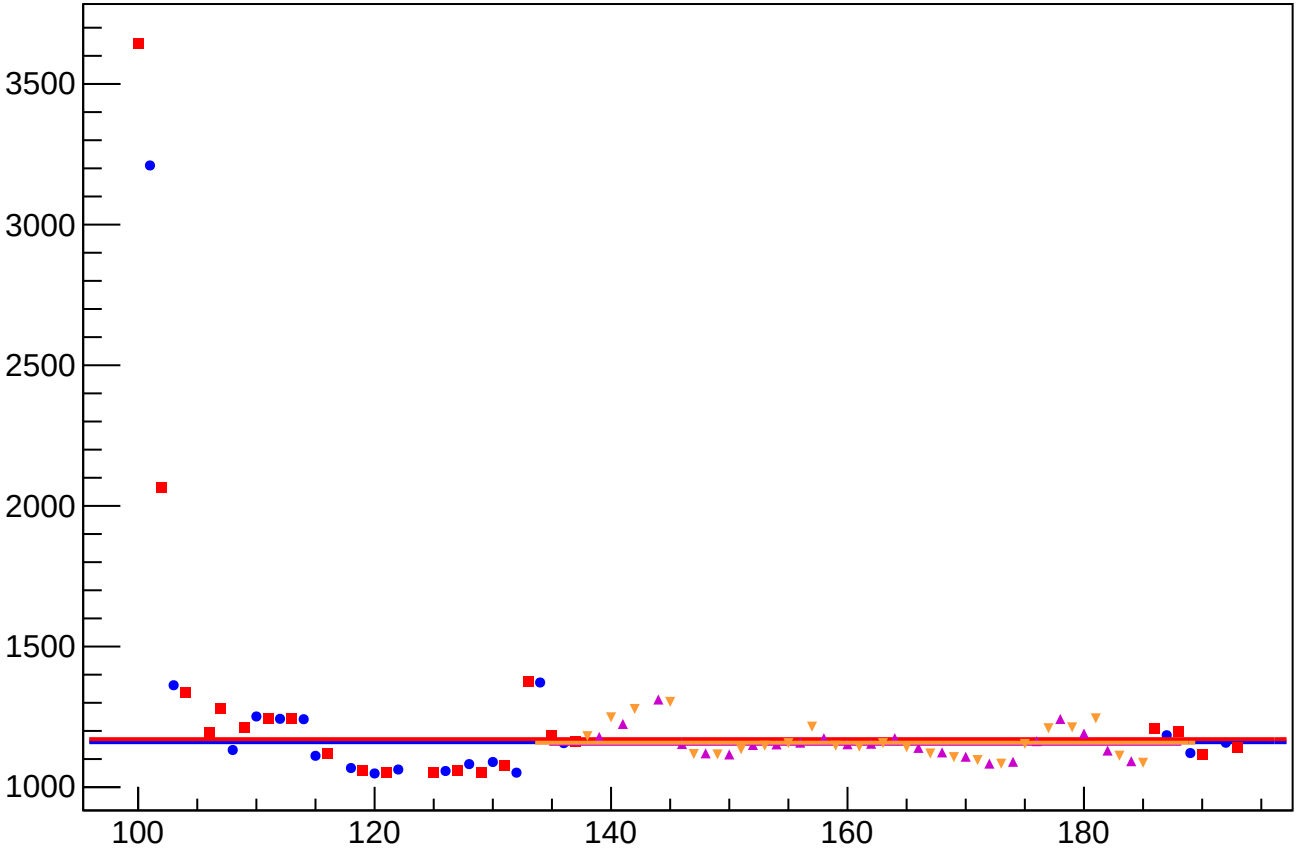
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 336.577+/-222.599 χ^2/NDF: 65.2/42

All: 323.341+/-156.703 χ^2/NDF: 111.2/87

- sign 310.338+/-220.638 χ^2/NDF: 46.0/44

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

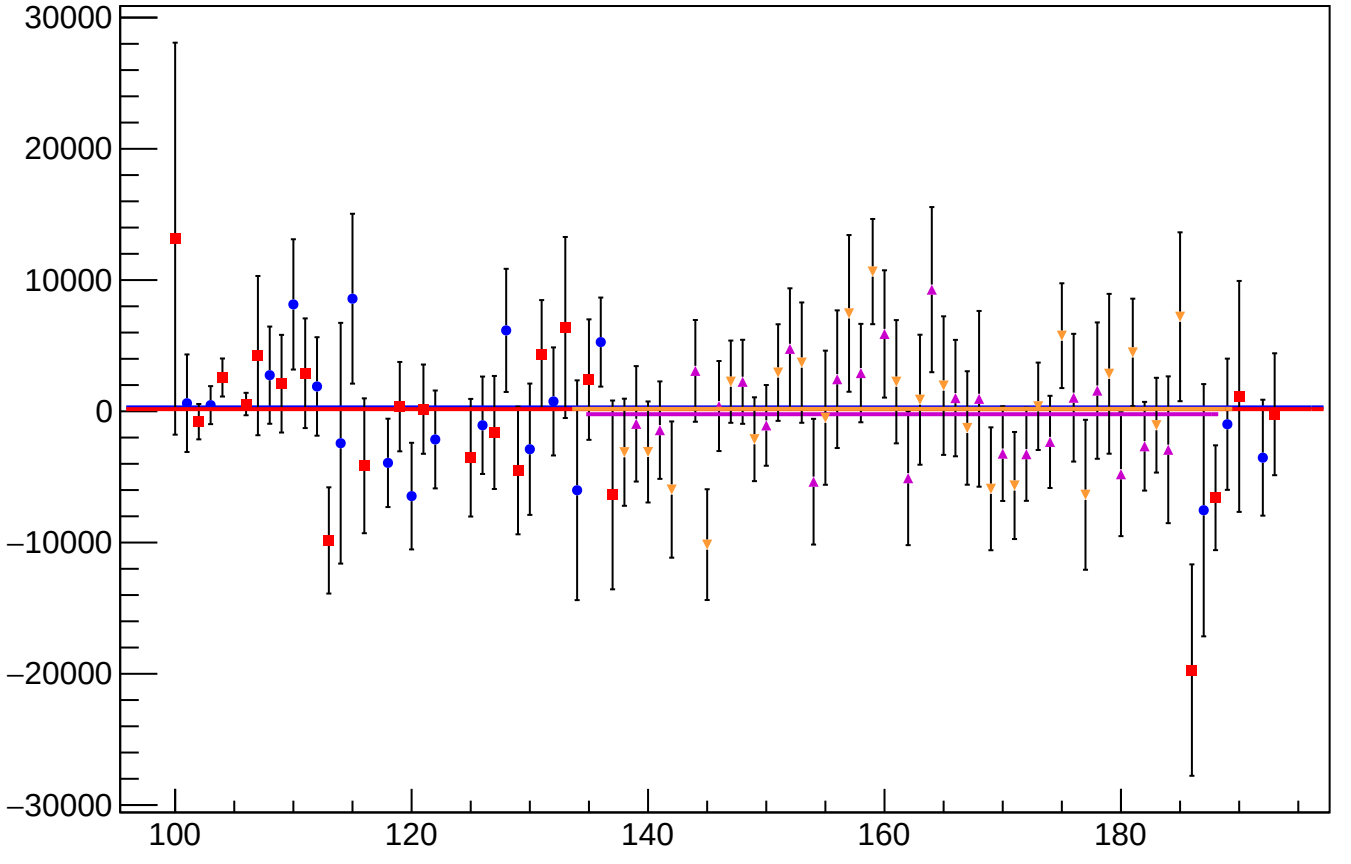
Right Out: 1170.667+/-0.271 χ^2/NDF: 336058.6/21

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1158.761+/-0.157 χ^2/NDF: 721008.5/42

All: 1159.224+/-0.111 χ^2/NDF: 1126021.3/87

- sign 1159.679+/-0.156 χ^2/NDF: 404995.6/44



Right In: 298.323+/-841.899 χ^2/NDF: 16.0/18

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

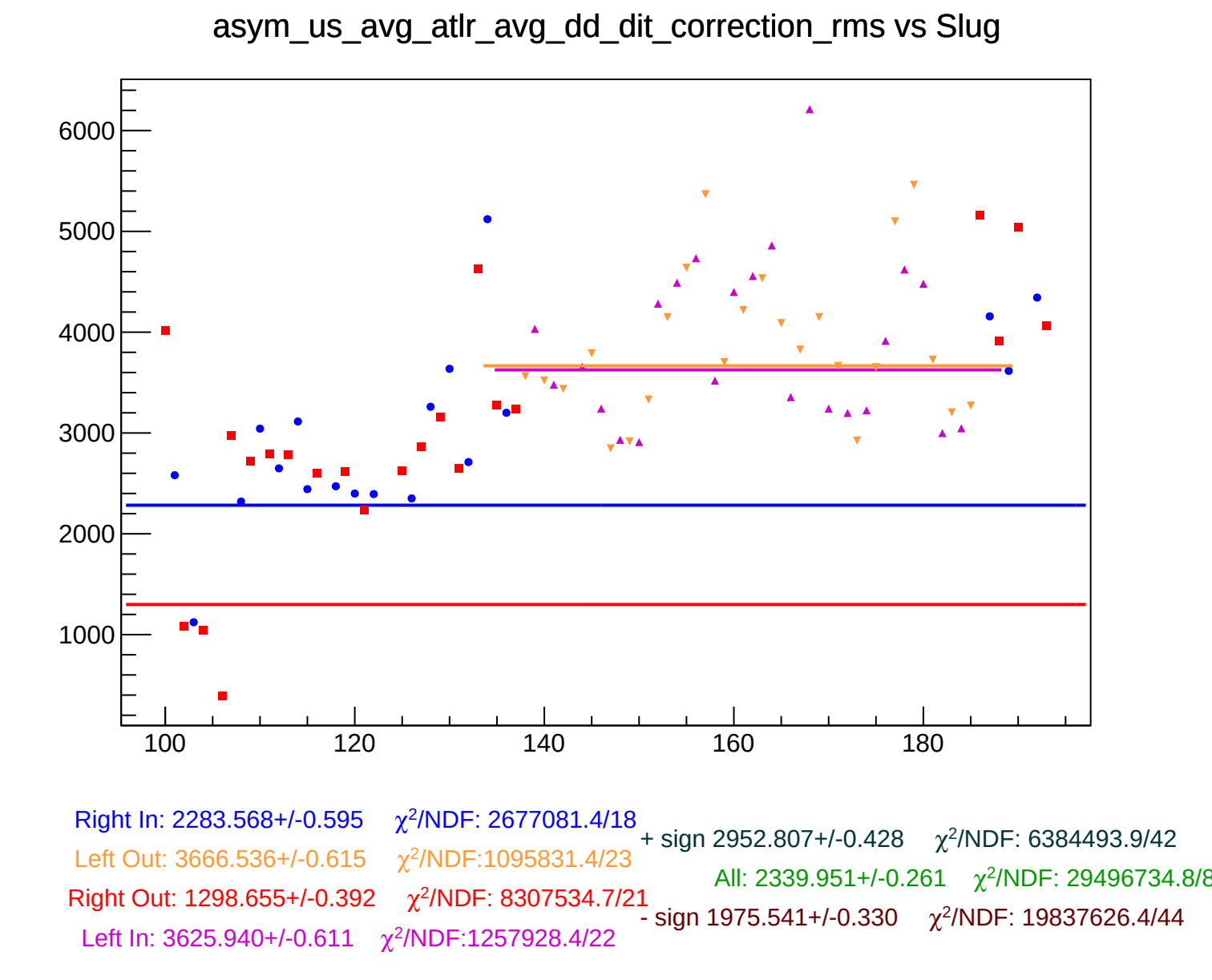
Right Out: 164.947+/-553.818 χ^2/NDF: 25.8/21

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

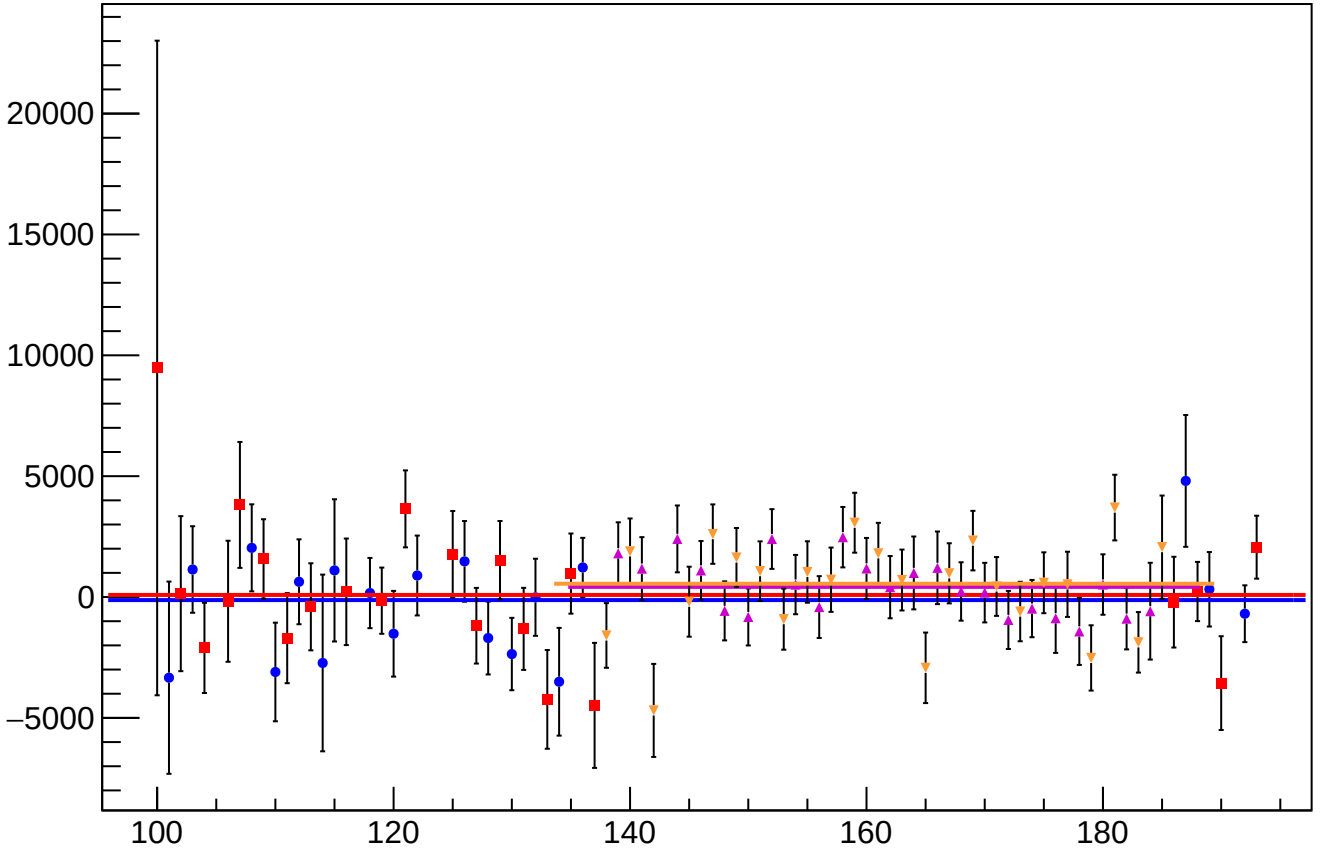
+ sign 245.776+/-604.812 χ^2/NDF: 45.2/42

All: 124.626+/-369.325 χ^2/NDF: 84.7/87

- sign 52.590+/-466.376 χ^2/NDF: 39.3/44


asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
100
120
140
160
180
Right In: 2283.568+/-0.595 χ²/NDF: 2677081.4/18
Left Out: 3666.536+/-0.615 χ²/NDF:1095831.4/23
Right Out: 1298.655+/-0.392 χ²/NDF: 8307534.7/21
Left In: 3625.940+/-0.611 χ²/NDF:1257928.4/22
+ sign 2952.807+/-0.428 χ²/NDF: 6384493.9/42
All: 2339.951+/-0.261 χ²/NDF: 29496734.8/8
- sign 1975.541+/-0.330 χ²/NDF: 19837626.4/44

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: 86.937+/-383.324 χ^2/NDF: 27.5/21

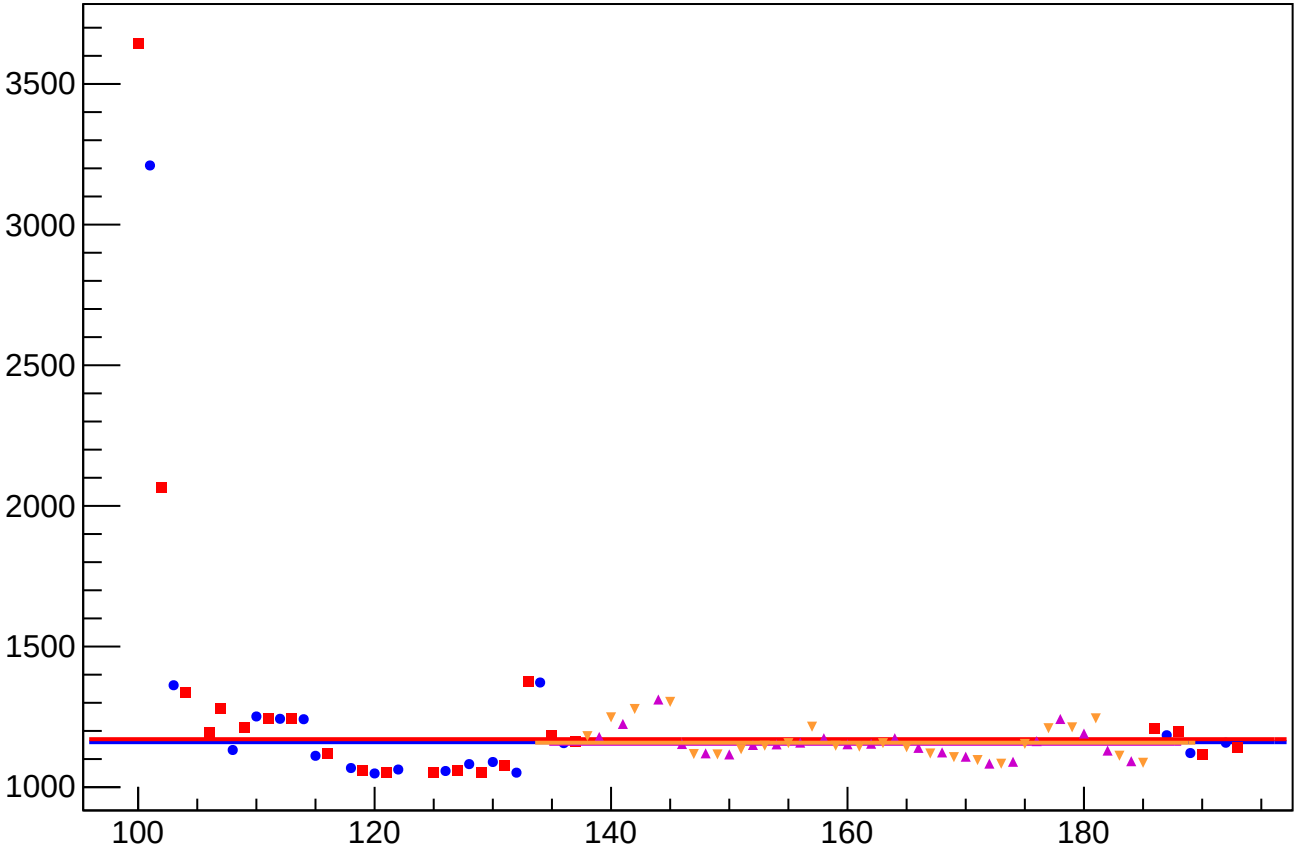
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 336.577+/-222.599 χ^2/NDF: 65.2/42

All: 323.341+/-156.703 χ^2/NDF: 111.2/87

- sign 310.338+/-220.638 χ^2/NDF: 46.0/44

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

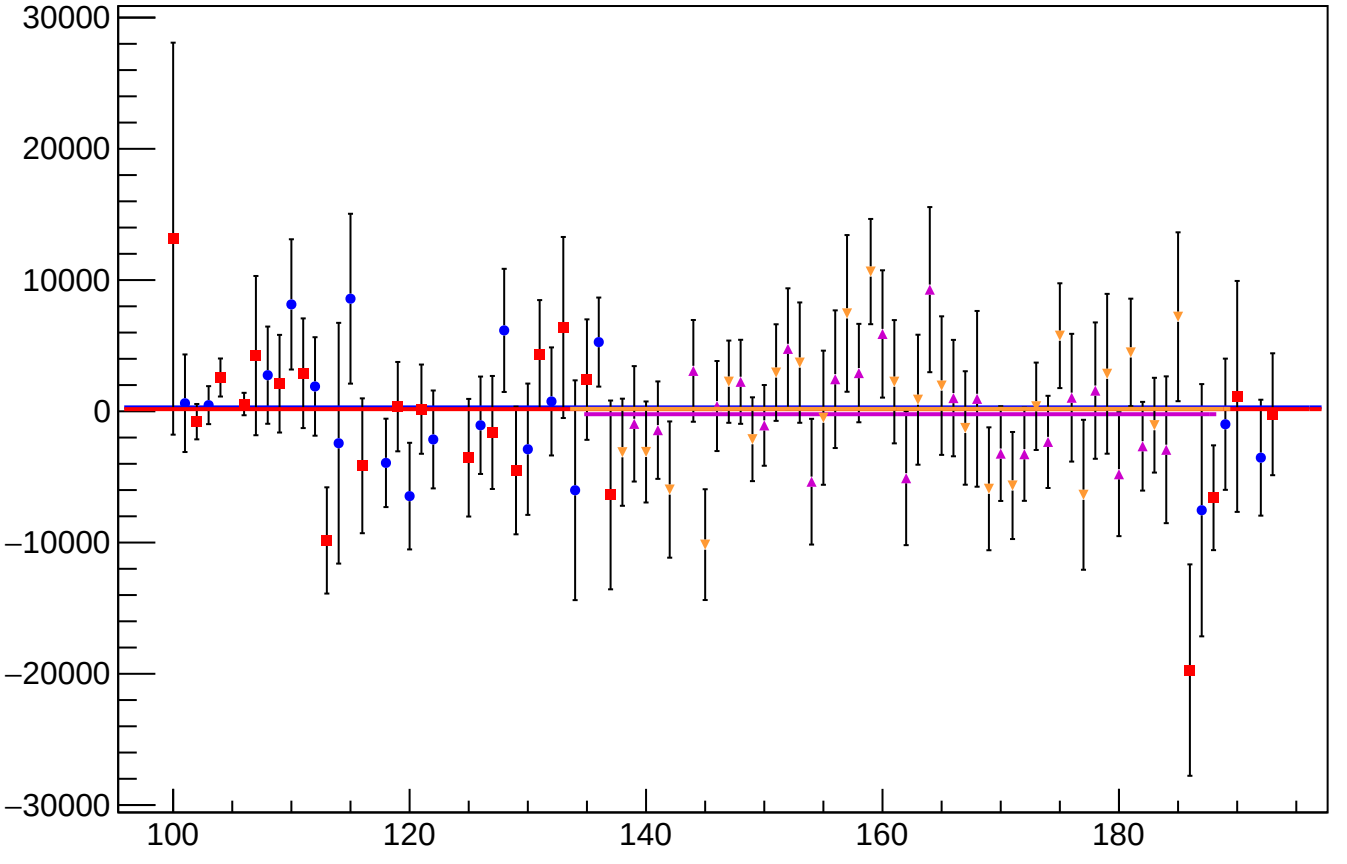
Right Out: 1170.667+/-0.271 χ^2/NDF: 336058.3/21

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1158.762+/-0.157 χ^2/NDF: 721011.2/42

All: 1159.225+/-0.111 χ^2/NDF: 1126025.8/87

- sign 1159.679+/-0.156 χ^2/NDF: 404997.4/44



Right In: 298.317+/-841.898 χ^2/NDF: 16.0/18

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

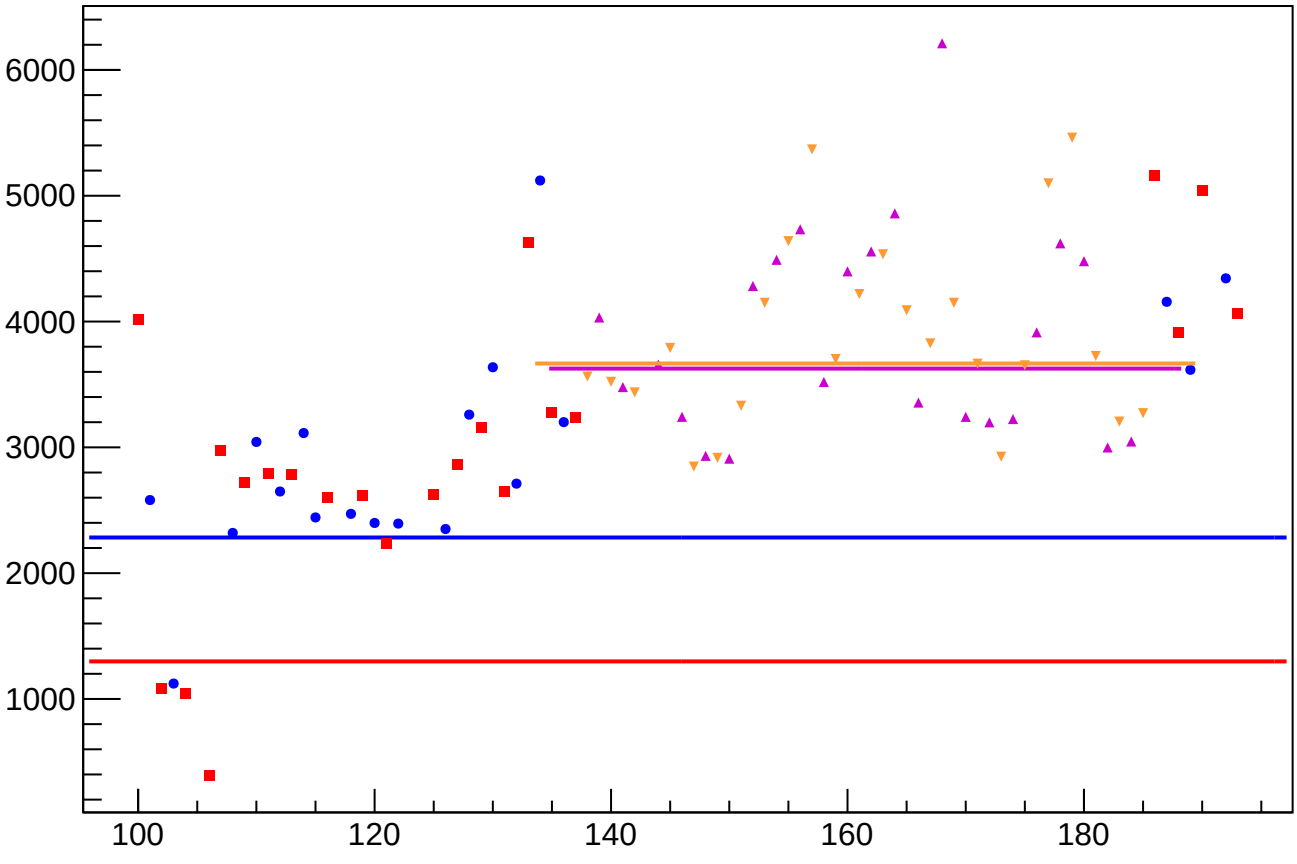
Right Out: 164.954+/-553.811 χ^2/NDF: 25.8/21

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 245.773+/-604.812 χ^2/NDF: 45.2/42

All: 124.629+/-369.324 χ^2/NDF: 84.7/87

- sign 52.596+/-466.373 χ^2/NDF: 39.3/44



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: 1298.630+/-0.392 χ^2/NDF: 8307703.5/21

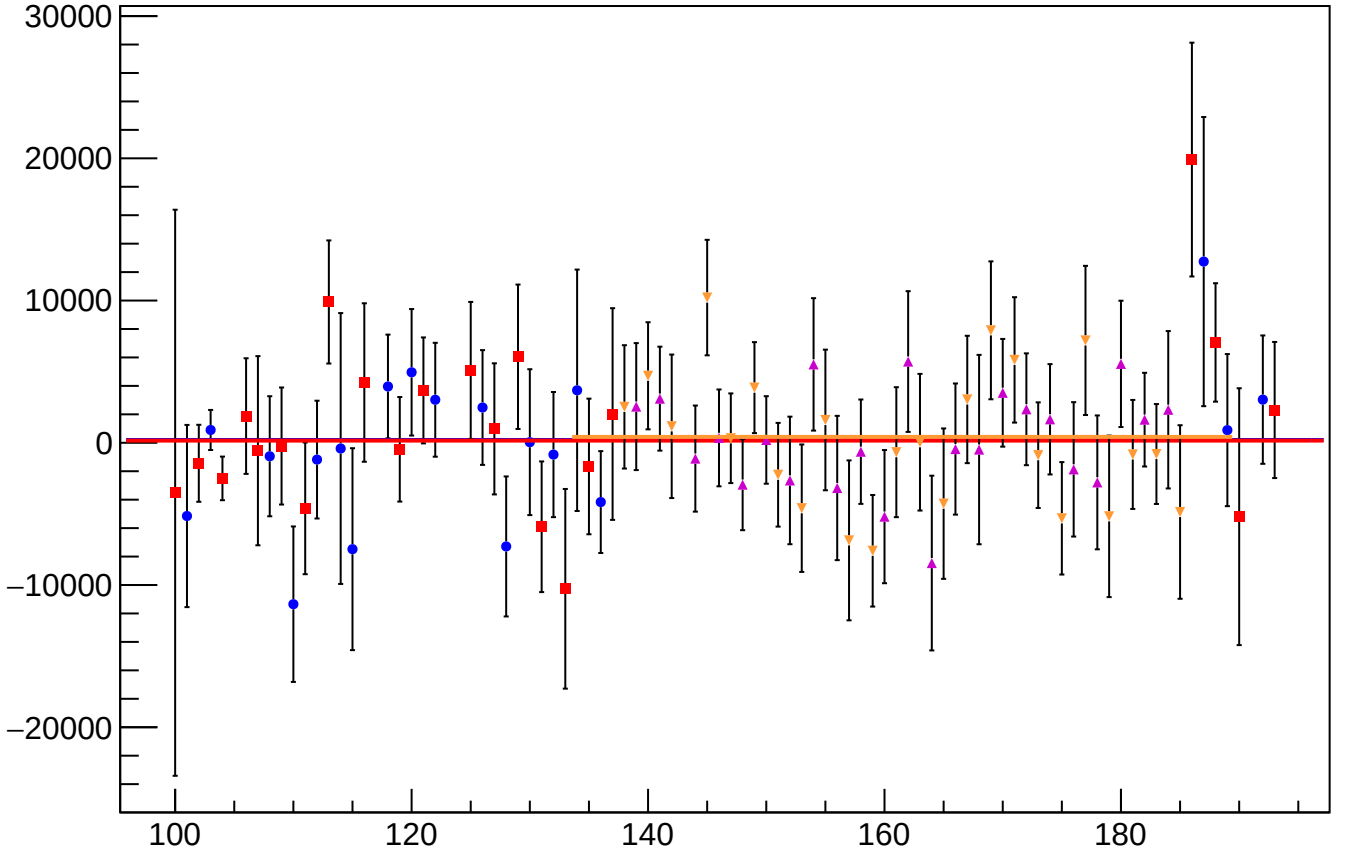
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 2952.806+/-0.428 χ^2/NDF: 6384529.9/42

All: 2339.929+/-0.261 χ^2/NDF: 29497462.1/8

- sign 1975.513+/-0.330 χ^2/NDF: 19838112.9/44

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: 154.604+/-853.733 χ^2/NDF: 26.8/21

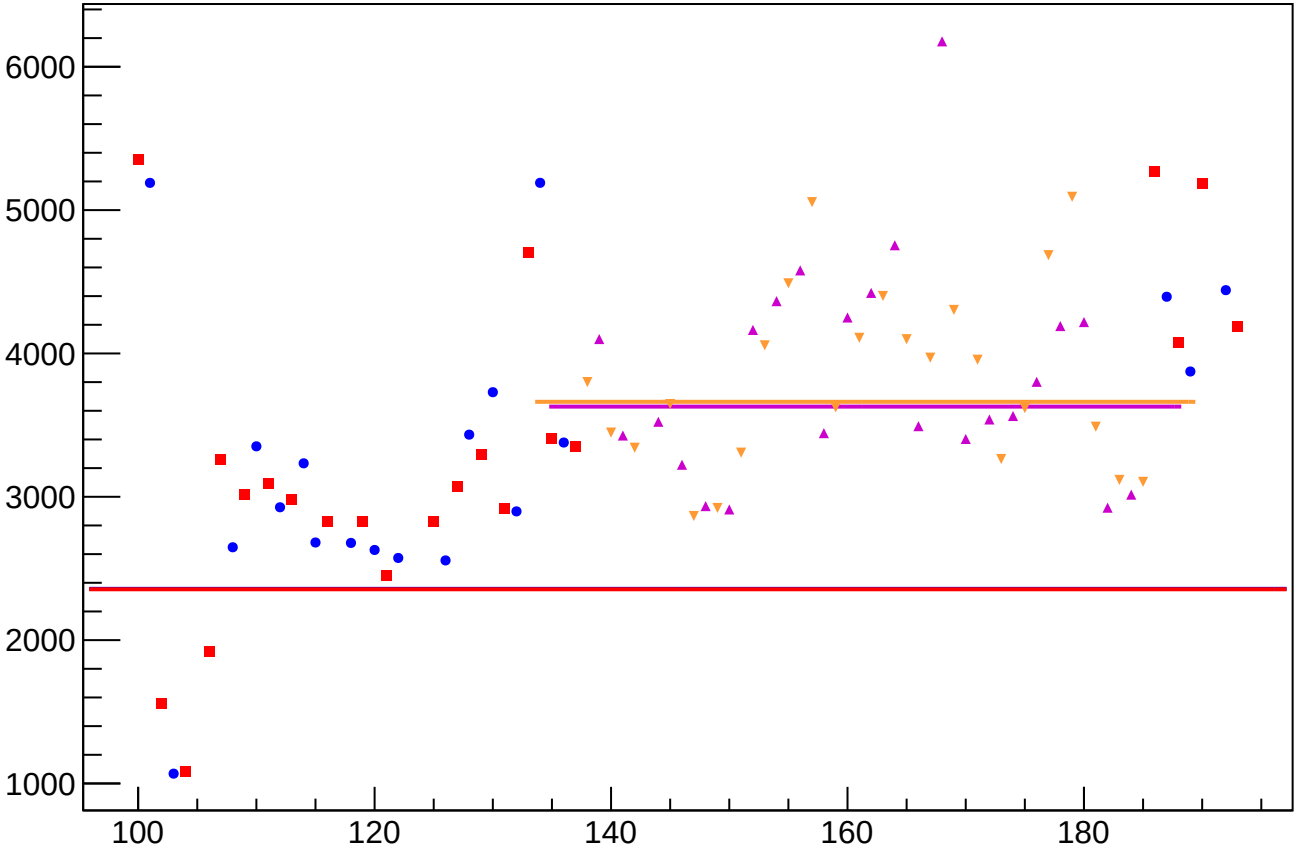
Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 307.703+/-619.122 χ^2/NDF: 42.9/42

All: 292.455+/-433.340 χ^2/NDF: 82.1/87

- sign 277.811+/-606.735 χ^2/NDF: 39.2/44

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

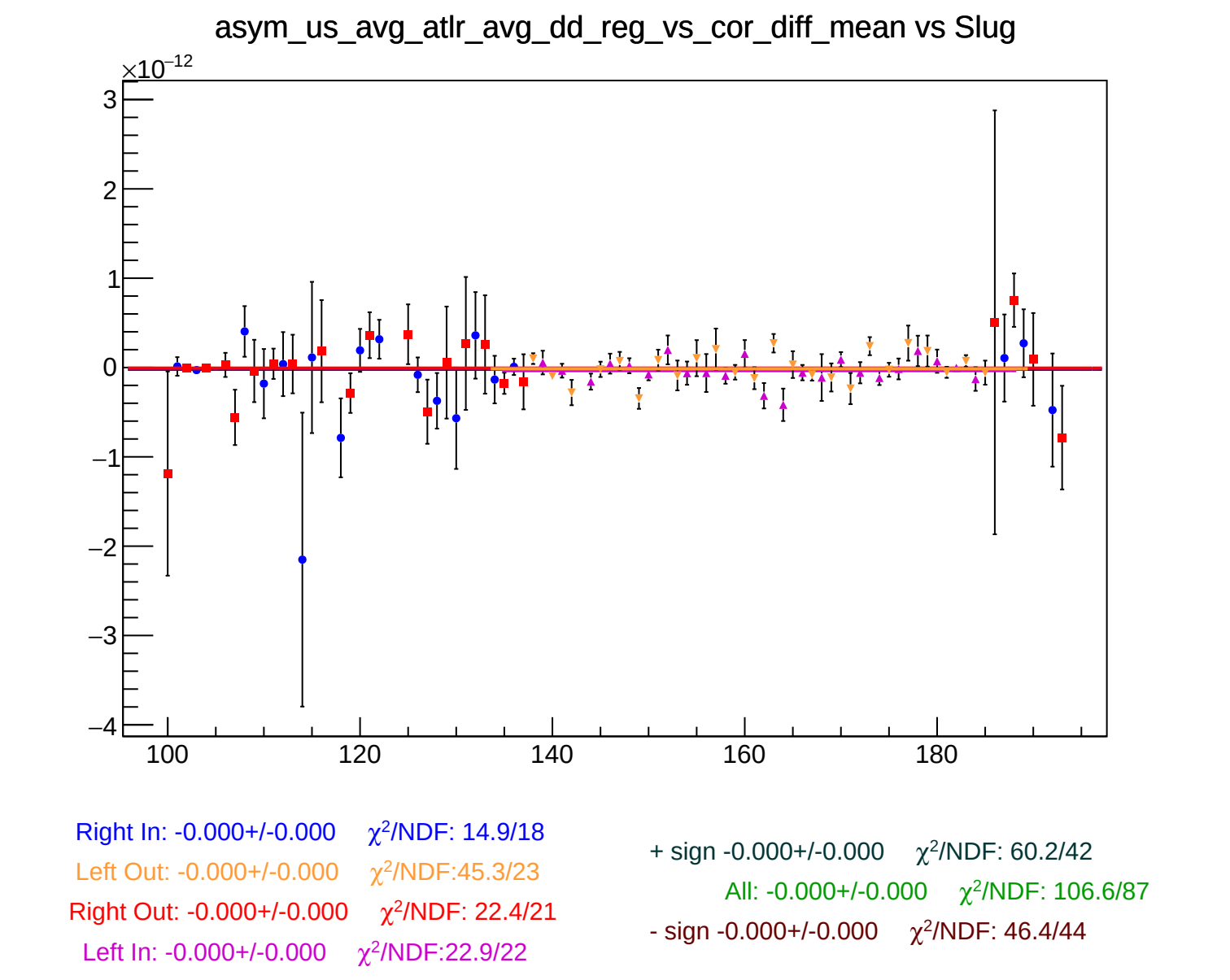
Right Out: 2354.805+/-0.602 χ^2/NDF: 3459043.6/21

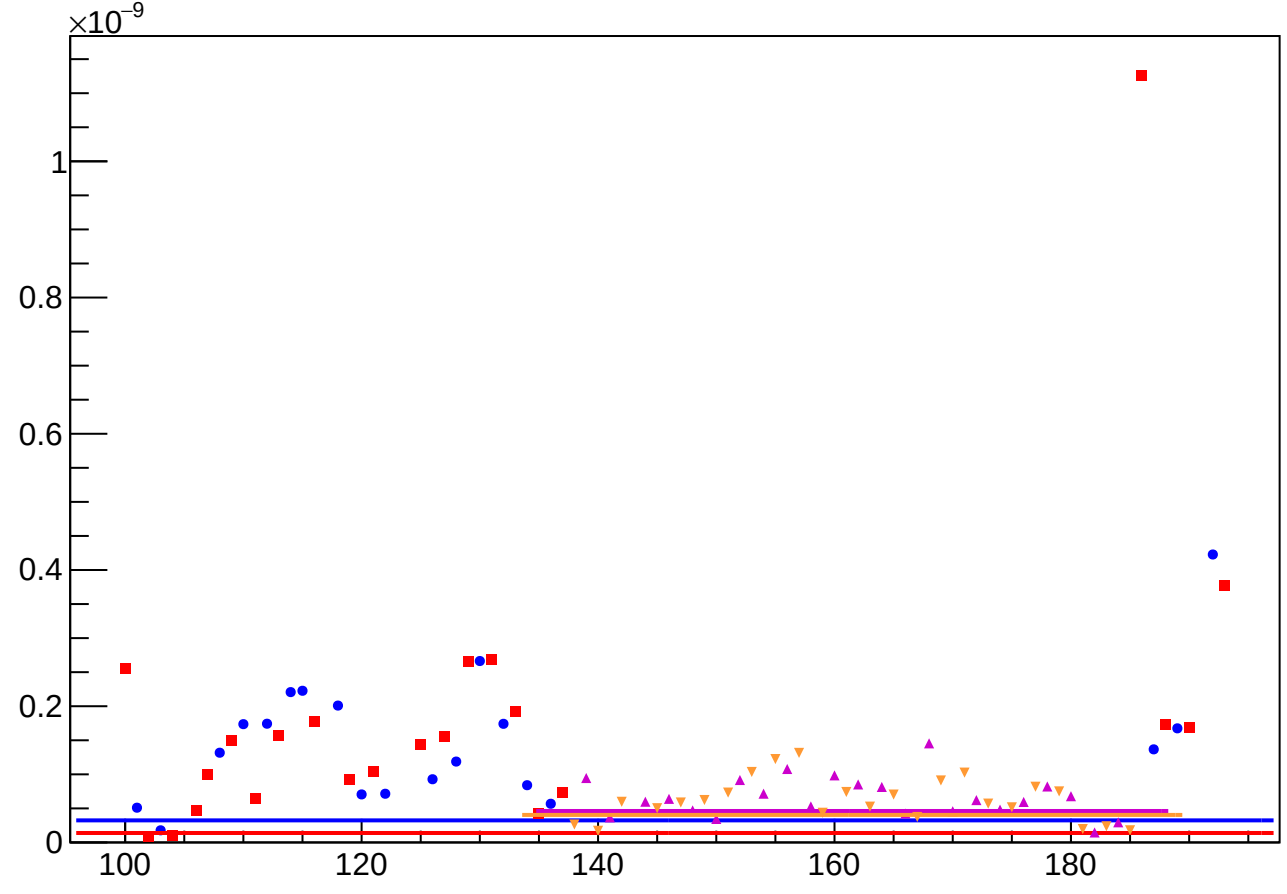
Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3025.764+/-0.438 χ^2/NDF: 6669861.1/42

All: 3004.512+/-0.306 χ^2/NDF: 13398798.8/8

- sign 2984.148+/-0.429 χ^2/NDF: 6724323.2/44


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 14.9/18
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.4/21
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: 106.6/87
- sign -0.000+/-0.000 χ²/NDF: 46.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 4109309.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

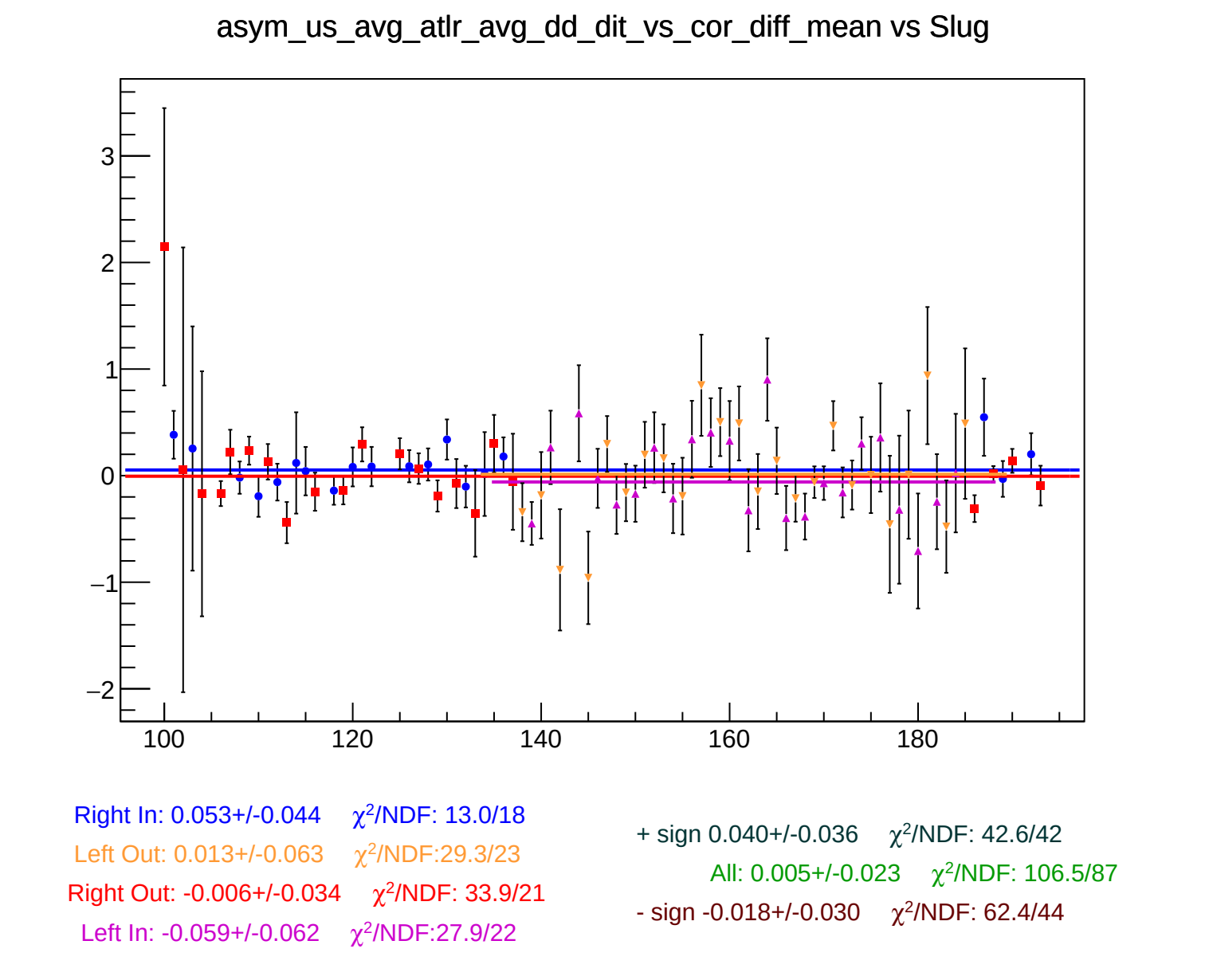
Right Out: 0.000+/-0.000 χ^2/NDF: 5629395.5/21

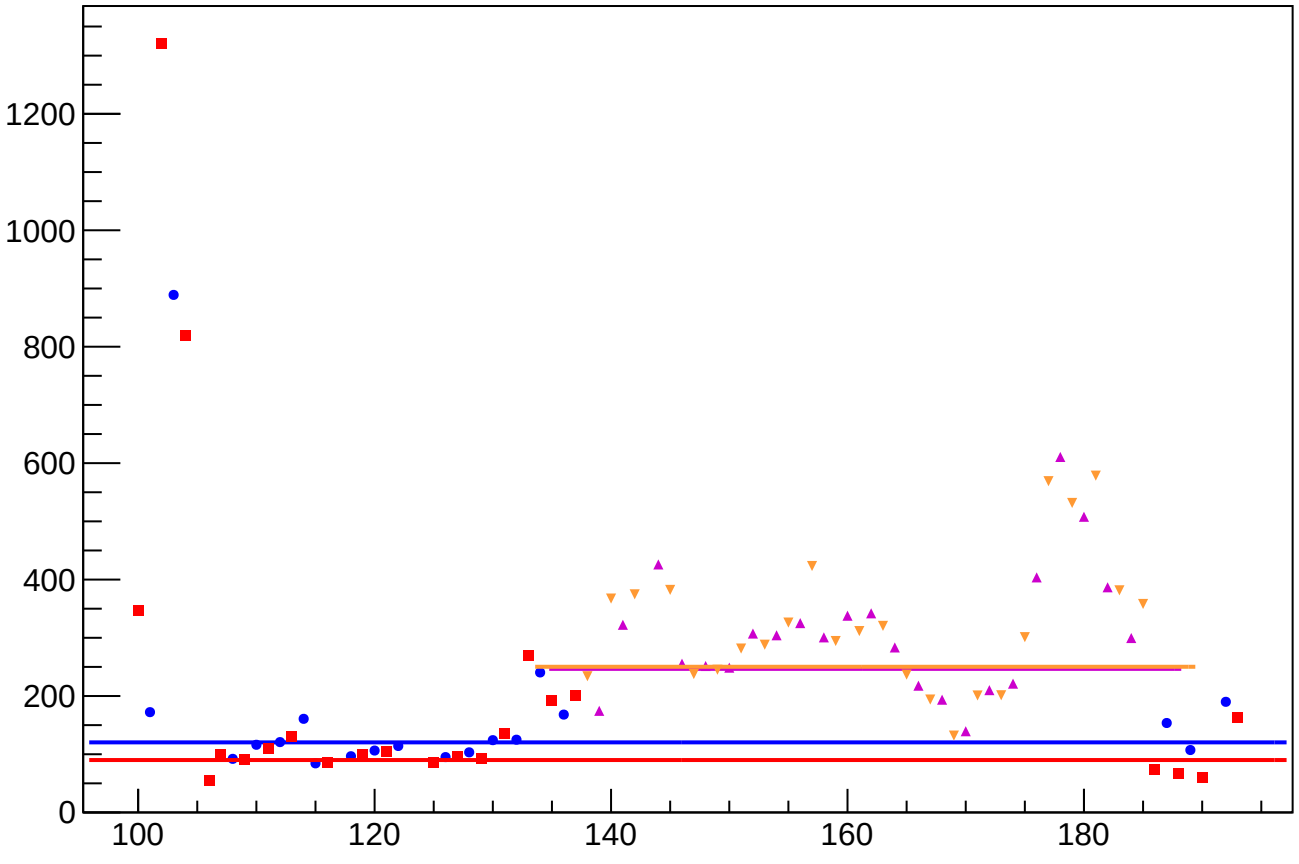
Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7671080.3/42

All: 0.000+/-0.000 χ^2/NDF: 20407300.7/87

- sign 0.000+/-0.000 χ^2/NDF: 11904594.2/44


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: -0.006+/-0.034 χ²/NDF: 33.9/21
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.036 χ²/NDF: 42.6/42
All: 0.005+/-0.023 χ²/NDF: 106.5/87
- sign -0.018+/-0.030 χ²/NDF: 62.4/44



Right In: 120.380+/-0.031 χ^2/NDF: 1909192.4/18

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

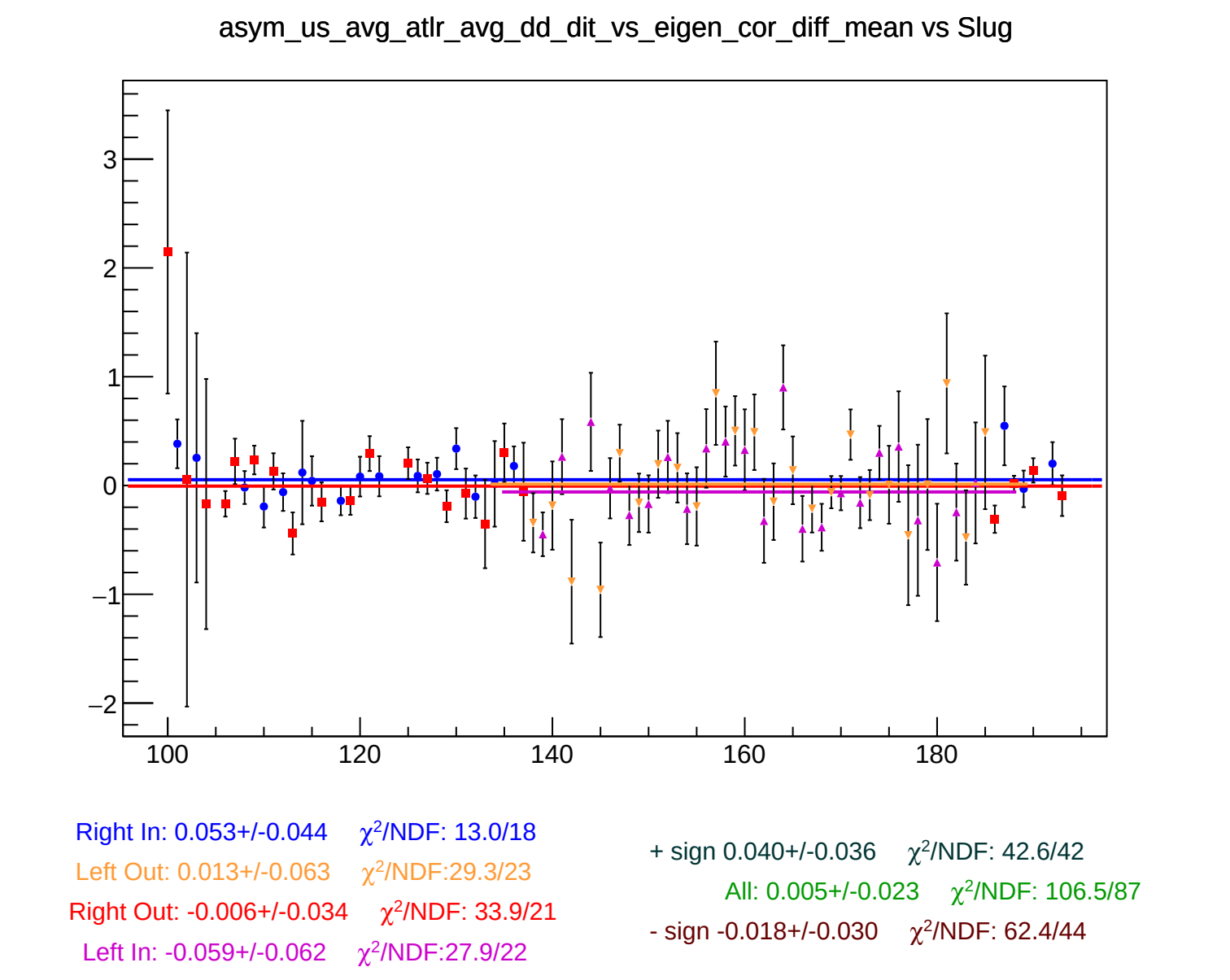
Right Out: 90.037+/-0.024 χ^2/NDF: 3459125.9/21

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.182+/-0.026 χ^2/NDF: 11958470.6/42

All: 140.567+/-0.016 χ^2/NDF: 30357659.7/87

- sign 125.511+/-0.021 χ^2/NDF: 17096963.5/44


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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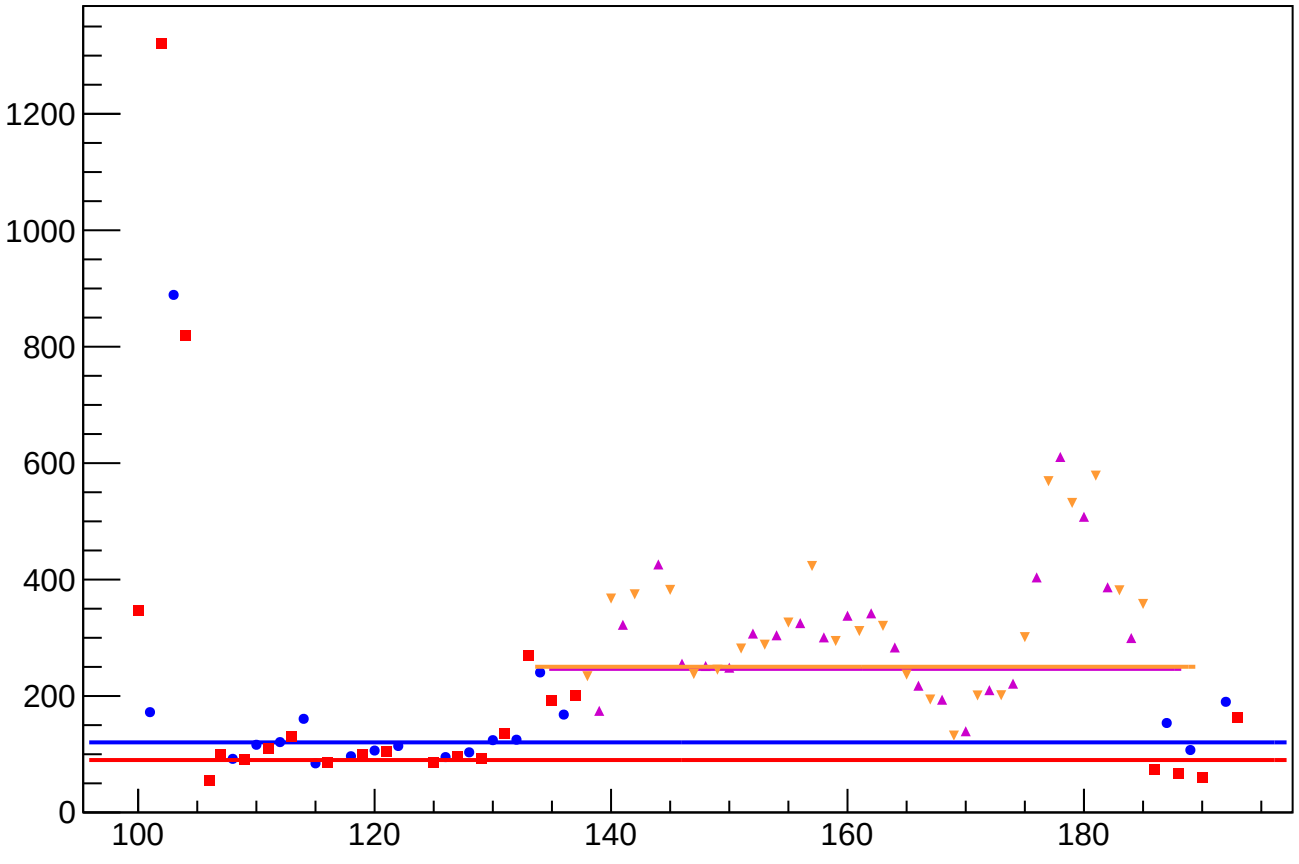
Right In: 0.053+/-0.044 χ²/NDF: 13.0/18
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.006+/-0.034 χ²/NDF: 33.9/21
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.036 χ²/NDF: 42.6/42
All: 0.005+/-0.023 χ²/NDF: 106.5/87
- sign -0.018+/-0.030 χ²/NDF: 62.4/44



Right In: 120.380+/-0.031 χ^2/NDF: 1909192.4/18

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

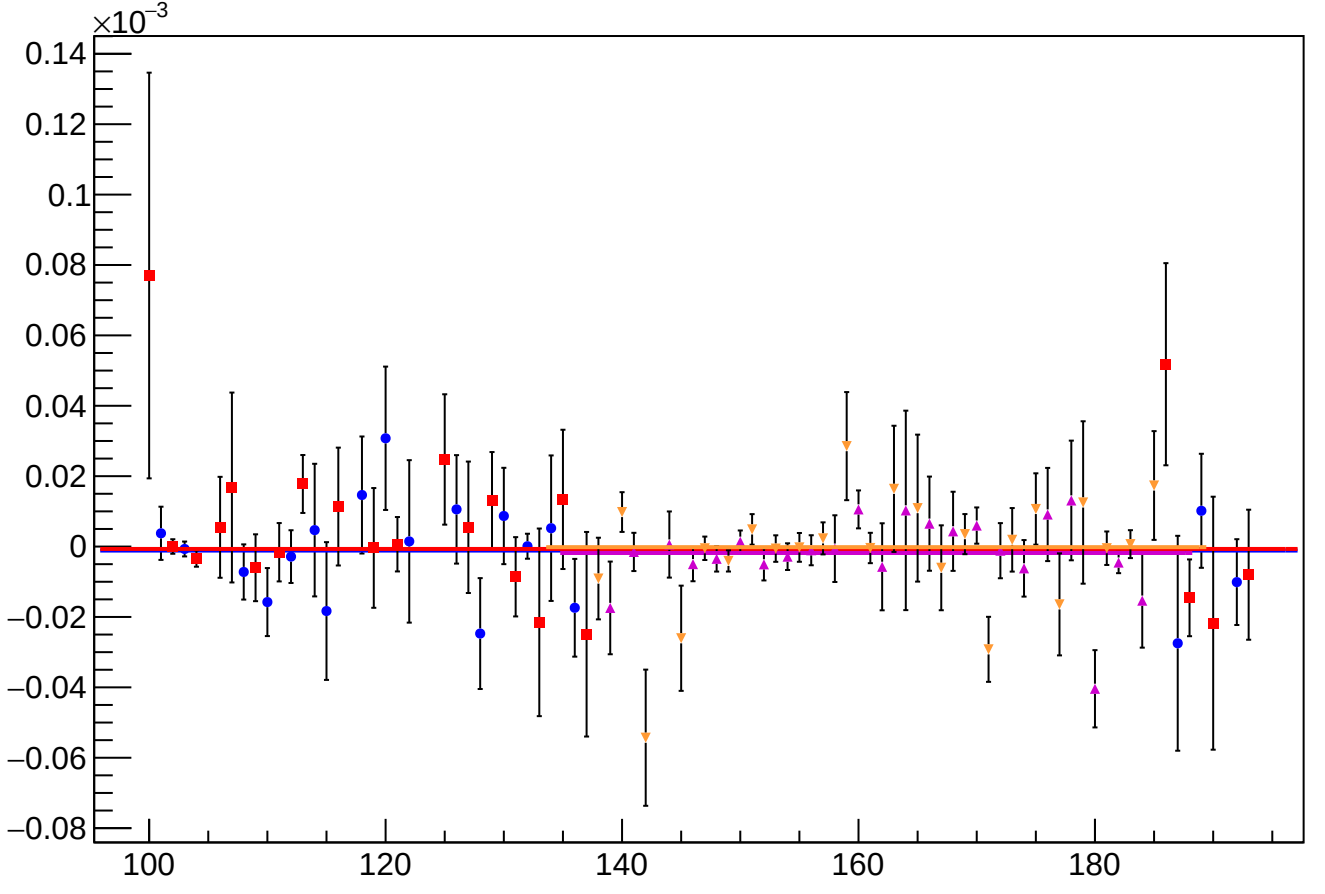
Right Out: 90.037+/-0.024 χ^2/NDF: 3459125.9/21

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.182+/-0.026 χ^2/NDF: 11958470.6/42

All: 140.567+/-0.016 χ^2/NDF: 30357659.7/87

- sign 125.511+/-0.021 χ^2/NDF: 17096963.5/44



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

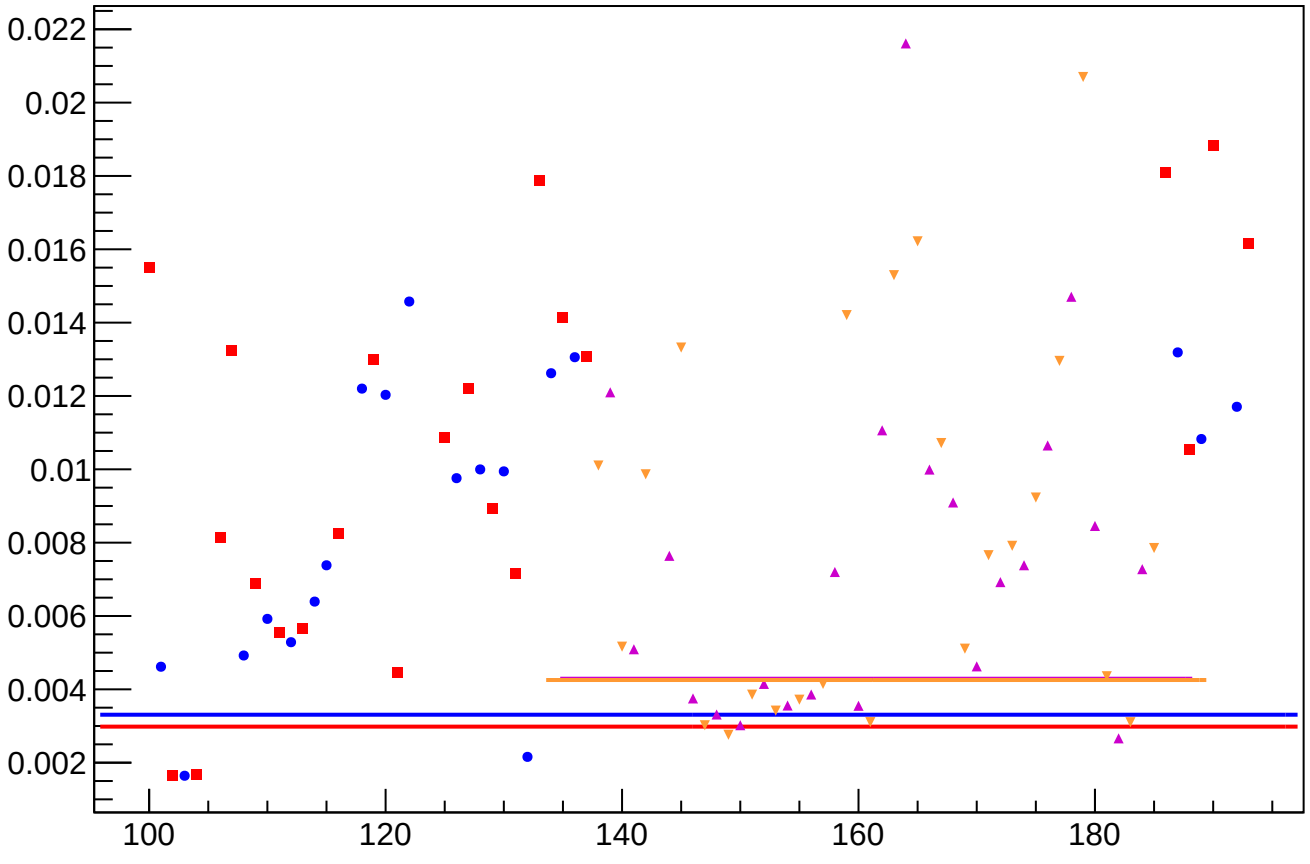
Right Out: -0.000+/-0.000 χ^2/NDF: 20.5/21

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: 101.3/87

- sign -0.000+/-0.000 χ^2/NDF: 49.2/44



Right In: 0.003+/-0.000 χ^2/NDF: 7599633.4/18

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

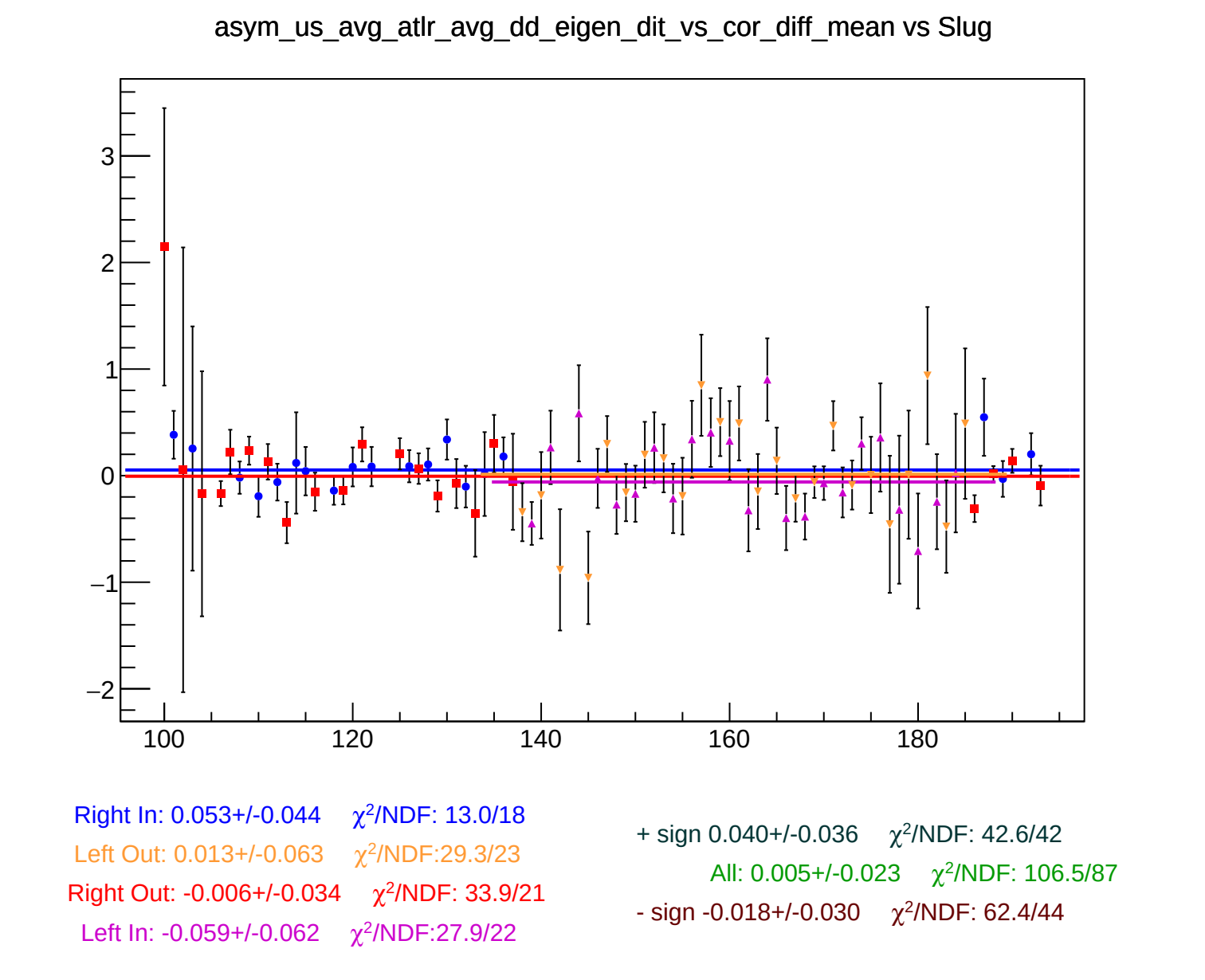
Right Out: 0.003+/-0.000 χ^2/NDF: 9701304.5/21

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: 33933580.1/87

- sign 0.004+/-0.000 χ^2/NDF: 17330755.9/44


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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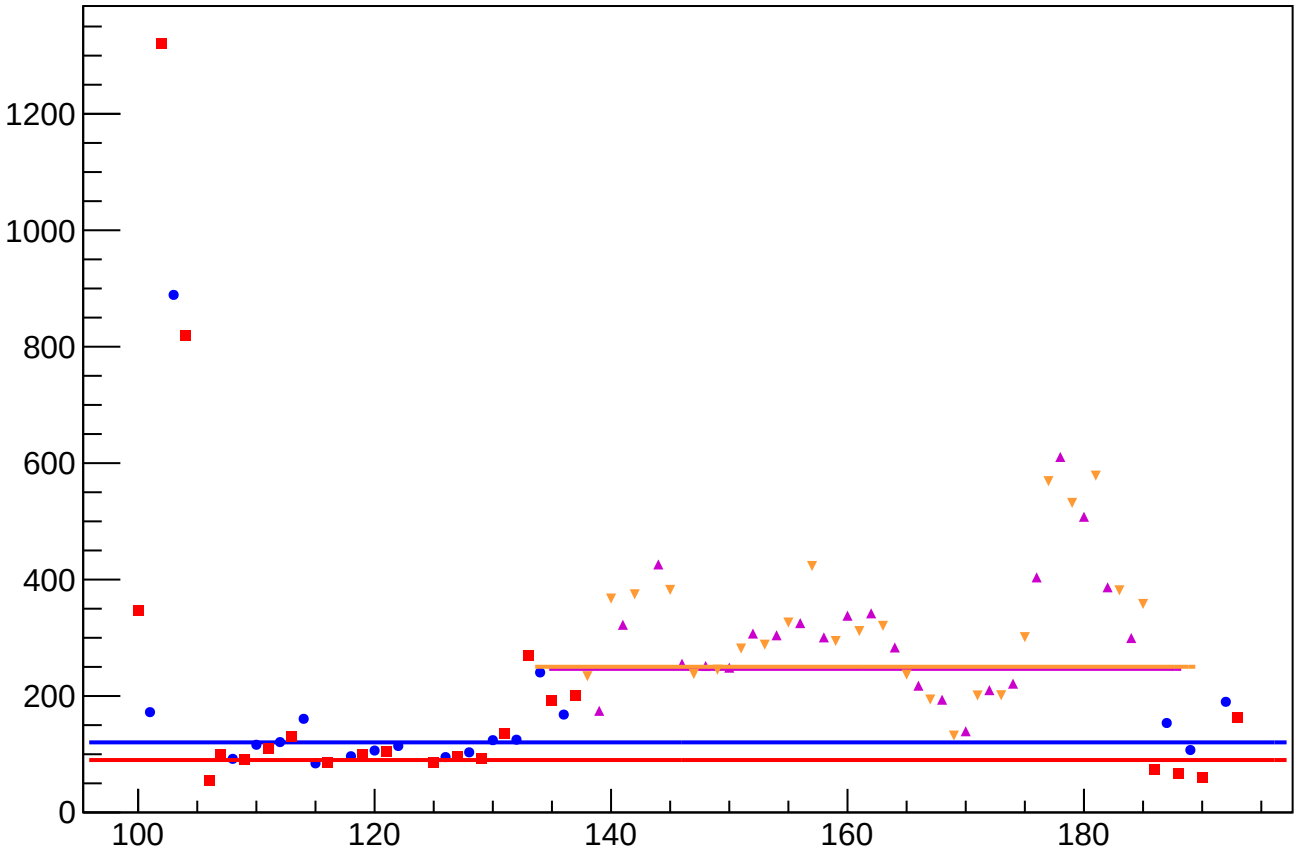
Right In: 0.053+/-0.044 χ²/NDF: 13.0/18
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.006+/-0.034 χ²/NDF: 33.9/21
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.036 χ²/NDF: 42.6/42
All: 0.005+/-0.023 χ²/NDF: 106.5/87
- sign -0.018+/-0.030 χ²/NDF: 62.4/44



Right In: 120.379+/-0.031 χ^2/NDF: 1909190.6/18

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

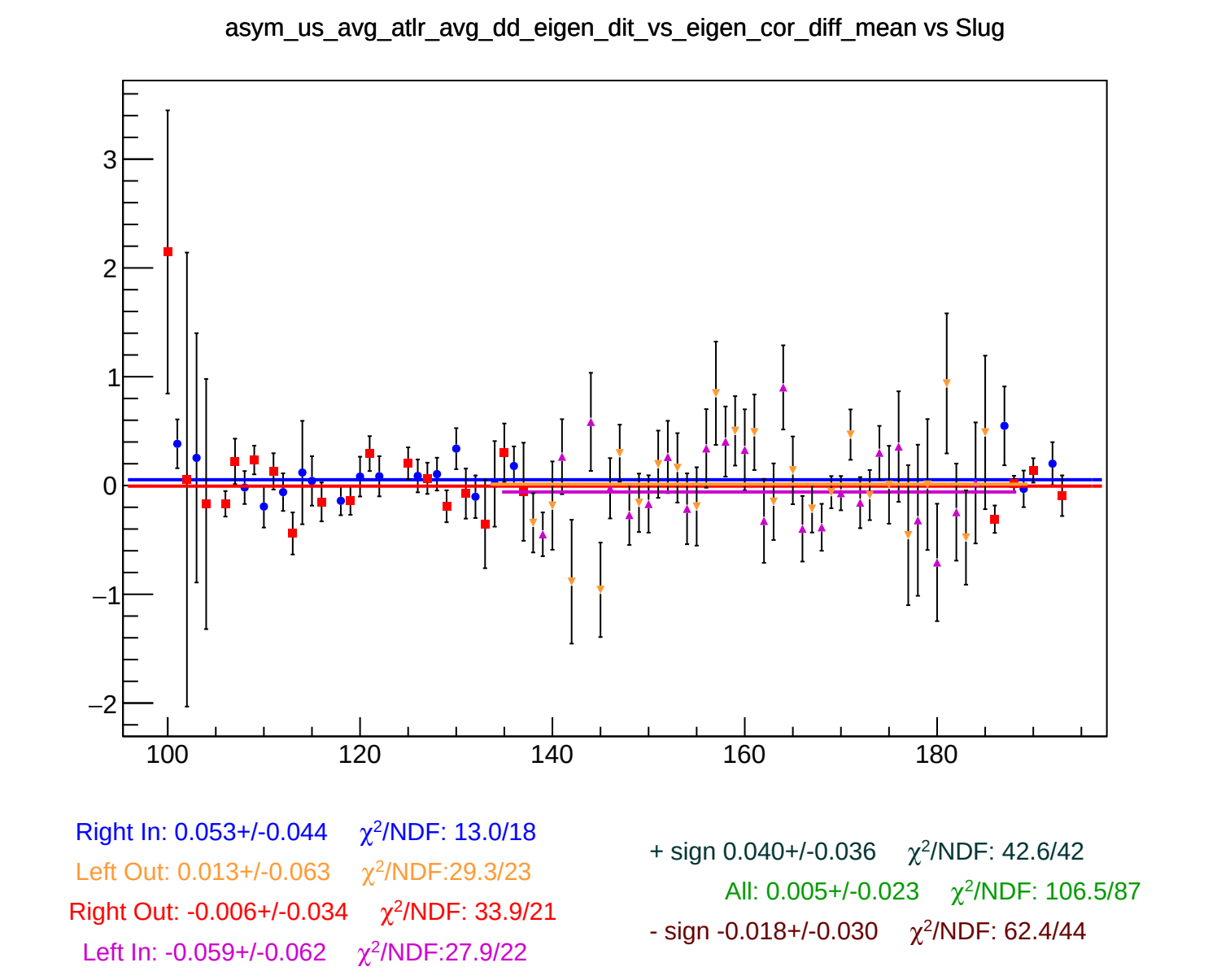
Right Out: 90.032+/-0.024 χ^2/NDF: 3459449.7/21

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 163.181+/-0.026 χ^2/NDF: 11958720.8/42

All: 140.563+/-0.016 χ^2/NDF: 30359453.2/87

- sign 125.505+/-0.021 χ^2/NDF: 17098160.4/44


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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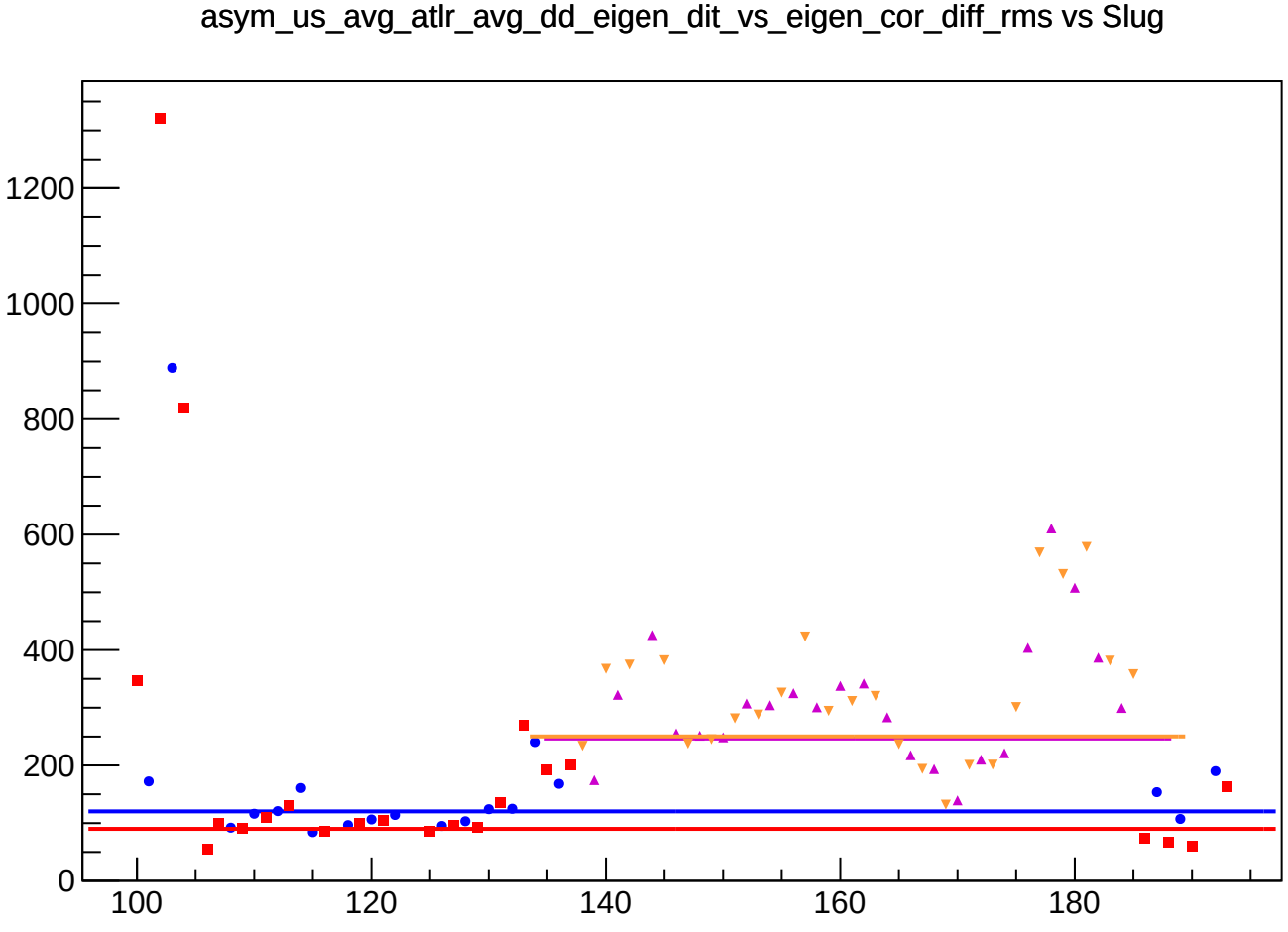
Right In: 0.053+/-0.044 χ²/NDF: 13.0/18
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.006+/-0.034 χ²/NDF: 33.9/21
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.036 χ²/NDF: 42.6/42
All: 0.005+/-0.023 χ²/NDF: 106.5/87
- sign -0.018+/-0.030 χ²/NDF: 62.4/44


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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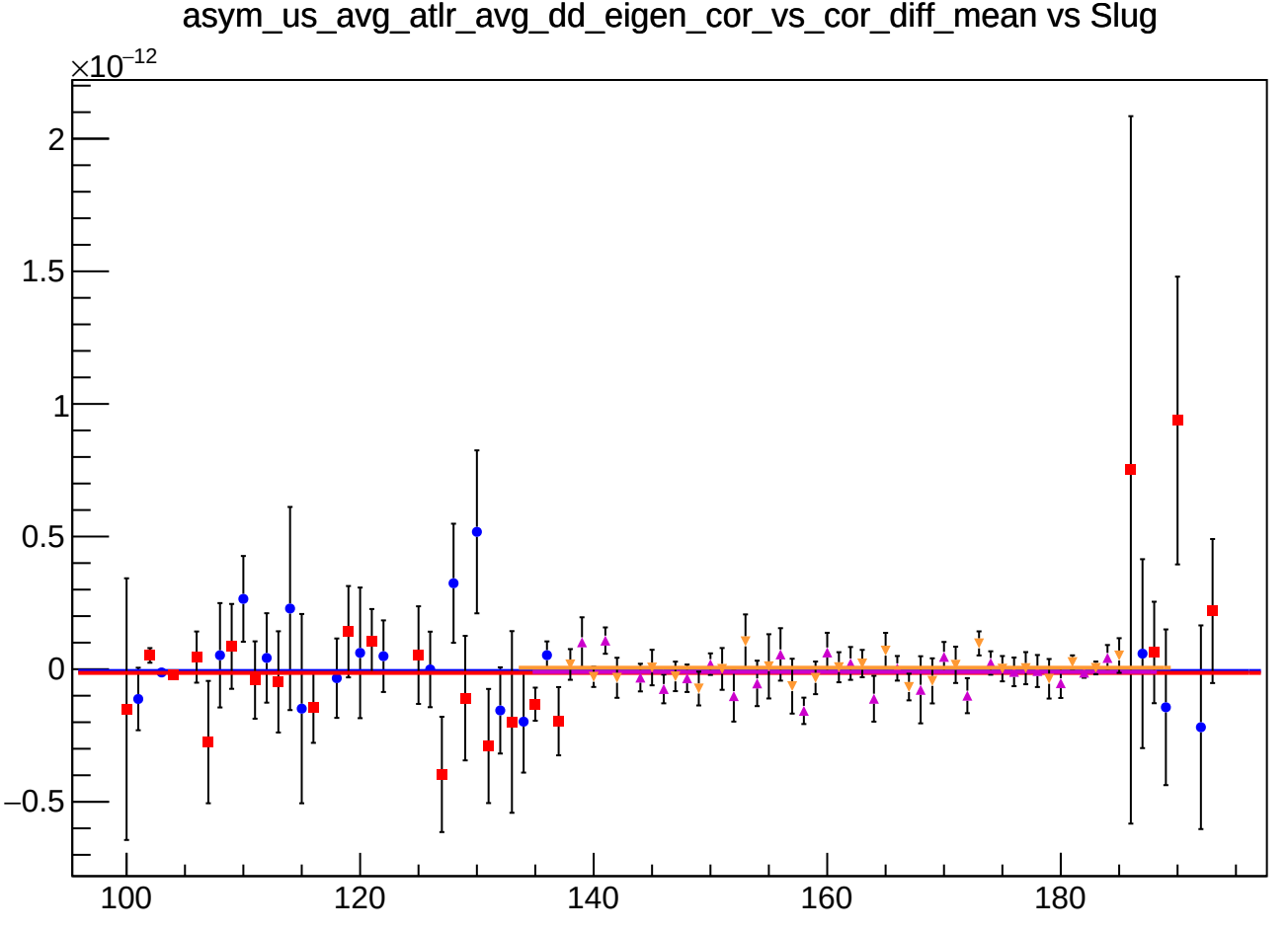
Right In: 120.379+/-0.031 χ²/NDF: 1909190.6/18
Left Out: 250.248+/-0.045 χ²/NDF:4353323.9/23
Right Out: 90.032+/-0.024 χ²/NDF: 3459449.7/21
Left In: 246.632+/-0.044 χ²/NDF:3773144.3/22
+ sign 163.181+/-0.026 χ²/NDF: 11958720.8/42
All: 140.563+/-0.016 χ²/NDF: 30359453.2/87
- sign 125.505+/-0.021 χ²/NDF: 17098160.4/44



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

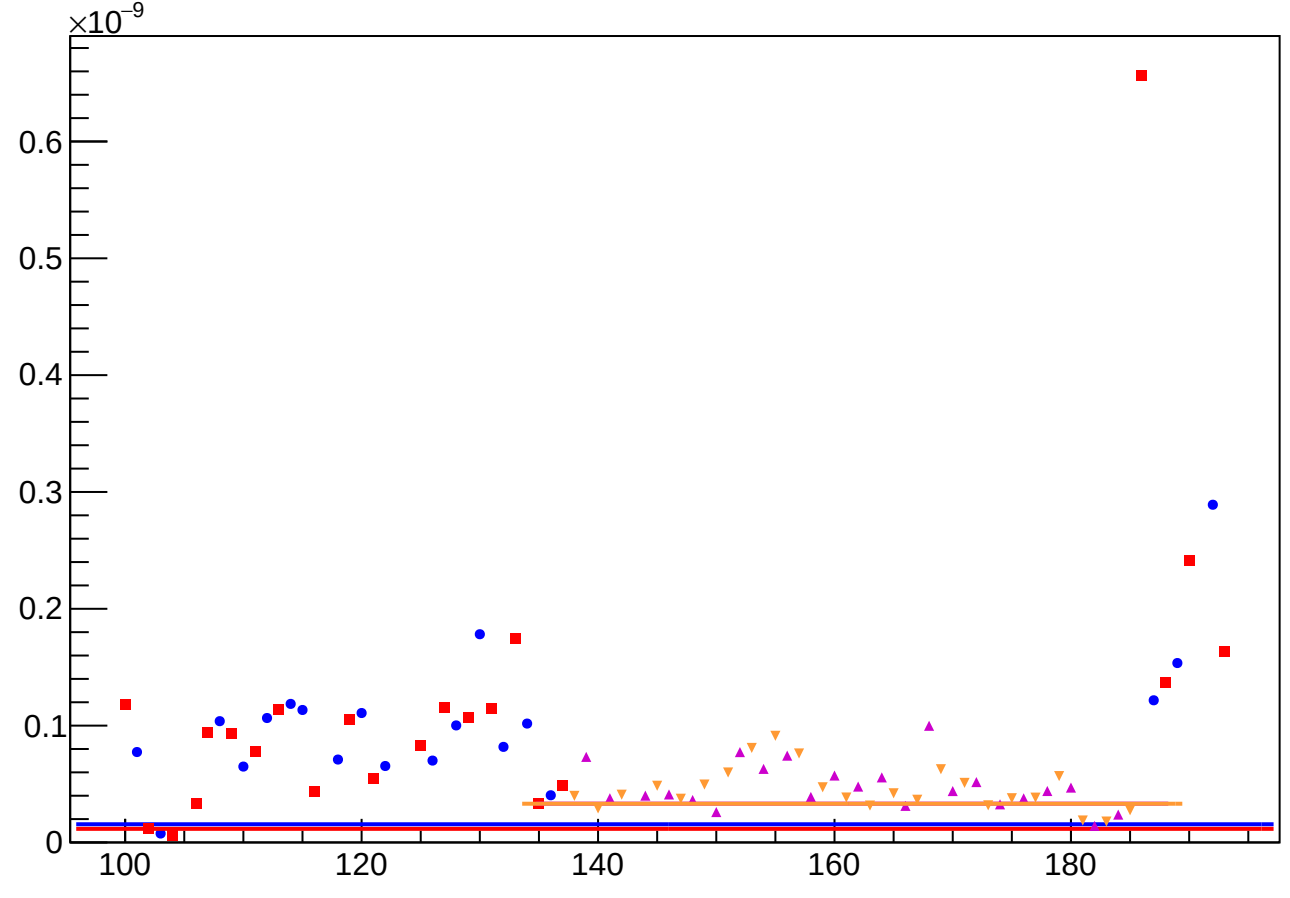
Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/21

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: 83.6/87

- sign -0.000+/-0.000 χ^2/NDF: 54.2/44



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: 8181847.4/21

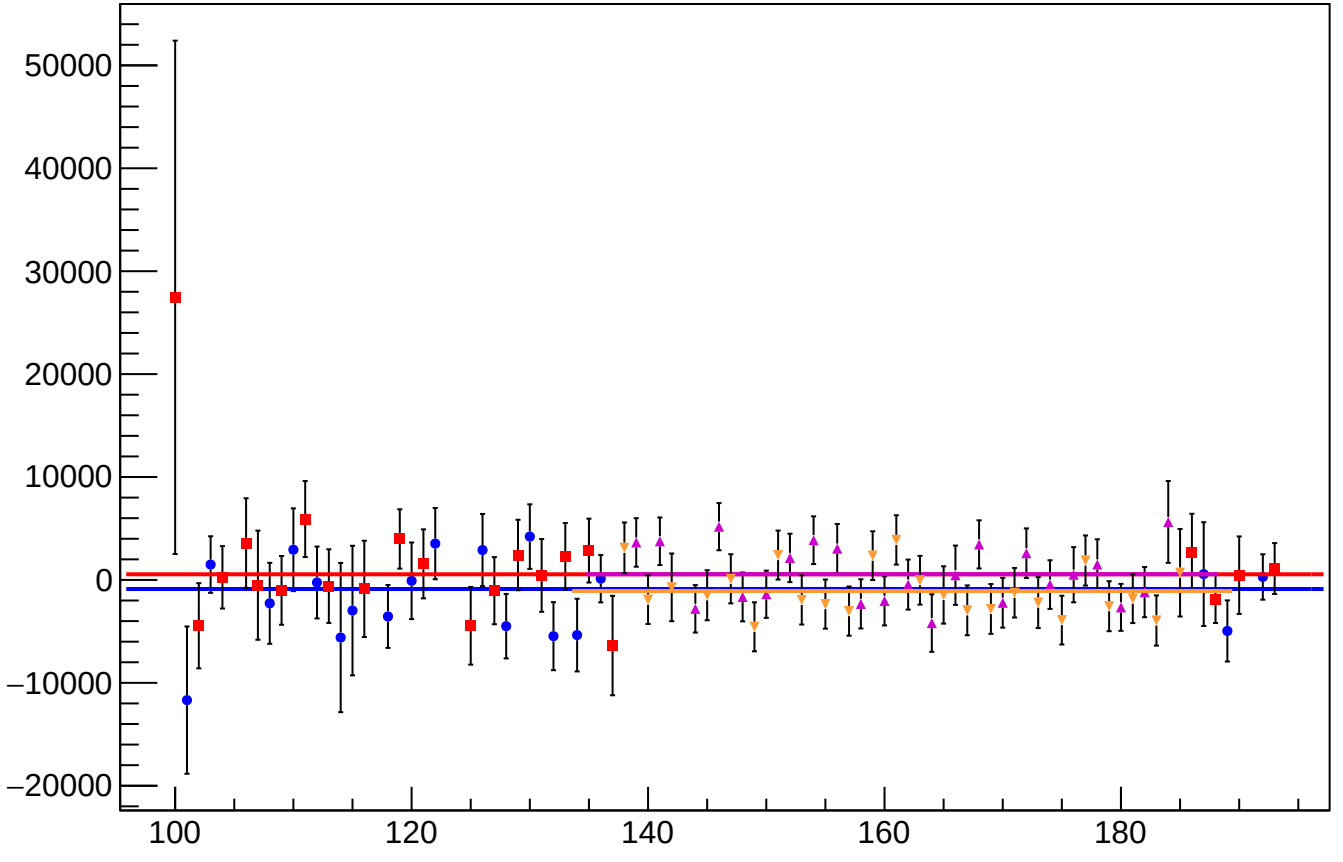
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13897589.0/42

All: 0.000+/-0.000 χ^2/NDF: 31885701.7/87

- sign 0.000+/-0.000 χ^2/NDF: 17699644.8/44

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: 548.193+/-742.306 χ^2/NDF: 13.8/21

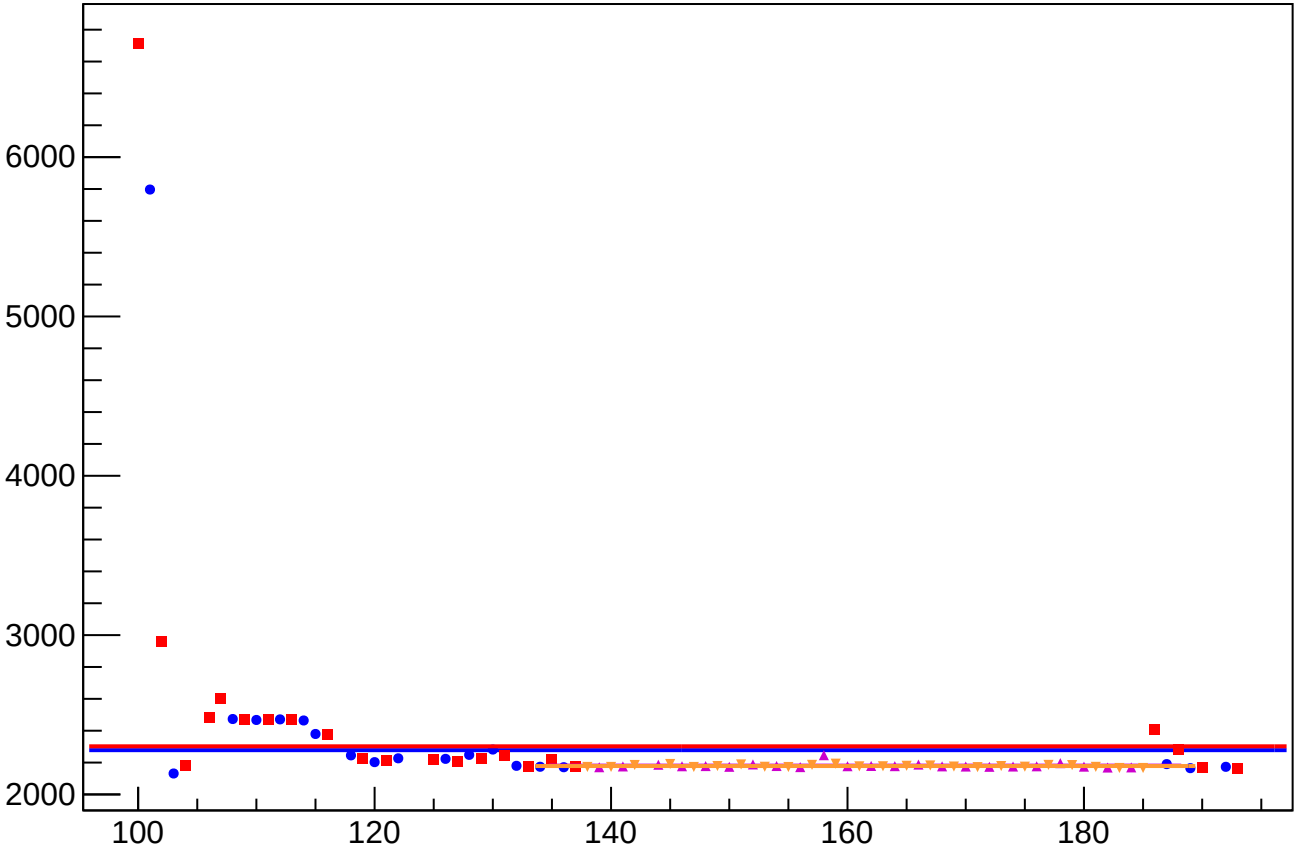
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -1015.057+/-423.170 χ^2/NDF: 39.8/42

All: -224.344+/-298.066 χ^2/NDF: 89.2/87

- sign 554.217+/-419.906 χ^2/NDF: 42.5/44

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2277.907+/-0.547 χ^2/NDF: 524306.8/18

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

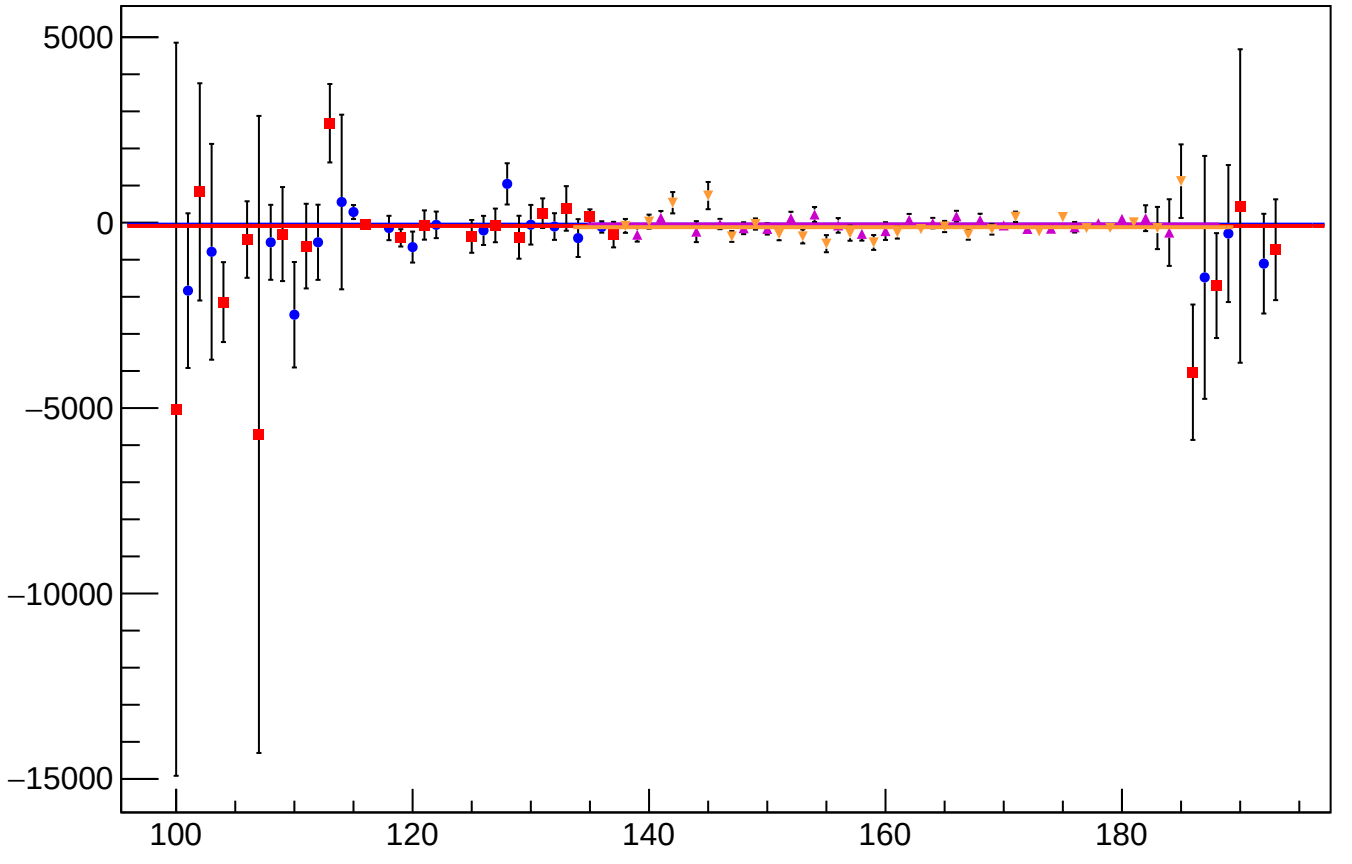
Right Out: 2302.054+/-0.525 χ^2/NDF: 163232.0/21

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2208.074+/-0.299 χ^2/NDF: 547961.3/42

All: 2213.922+/-0.211 χ^2/NDF: 750035.1/87

- sign 2219.681+/-0.297 χ^2/NDF: 201315.6/44



Right In: -54.413+/-90.563 χ^2/NDF: 15.2/18

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

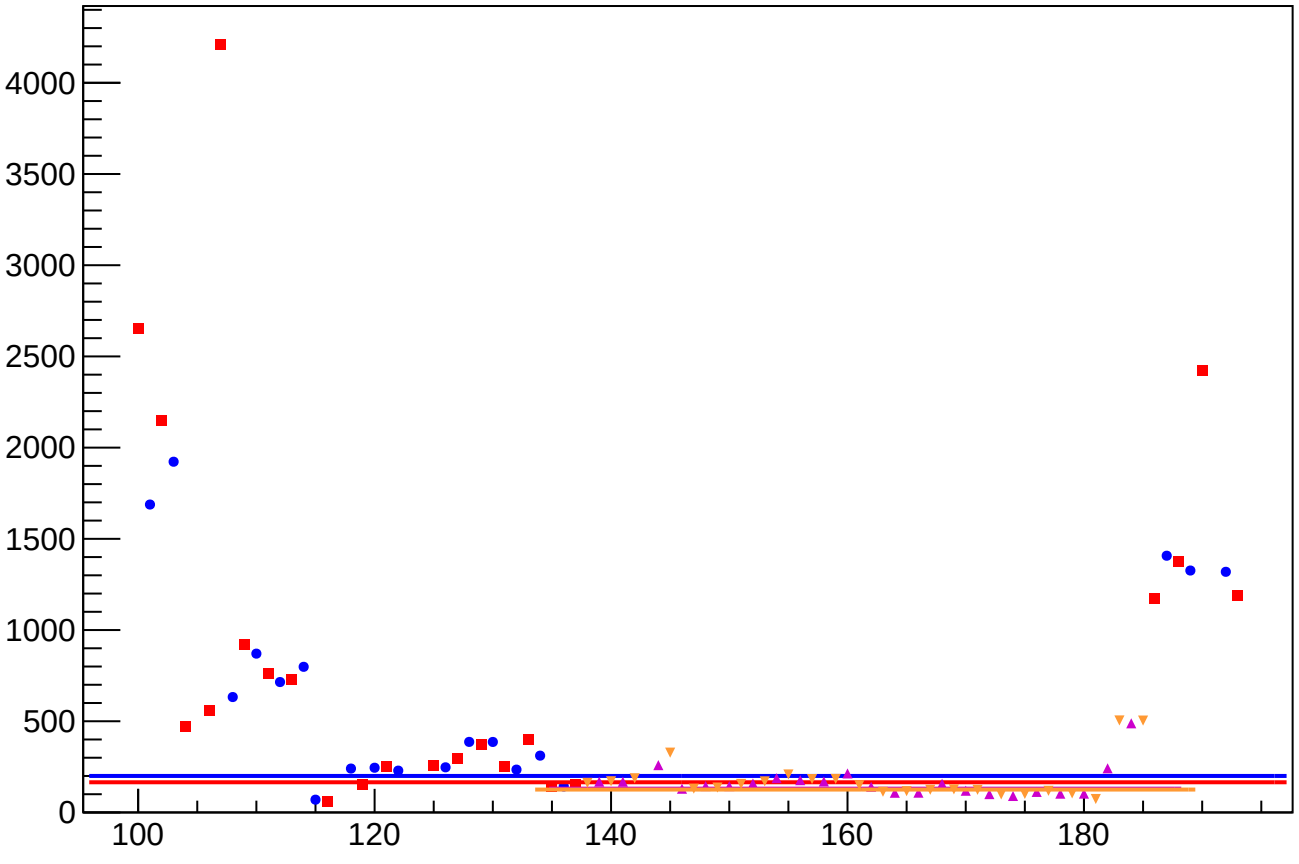
Right Out: -89.841+/-81.996 χ^2/NDF: 23.9/21

Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -115.643+/-29.674 χ^2/NDF: 59.5/42

All: -86.245+/-21.183 χ^2/NDF: 103.8/87

- sign -55.696+/-30.249 χ^2/NDF: 42.3/44



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: 165.451+/-0.058 χ^2/NDF: 9964994.4/21

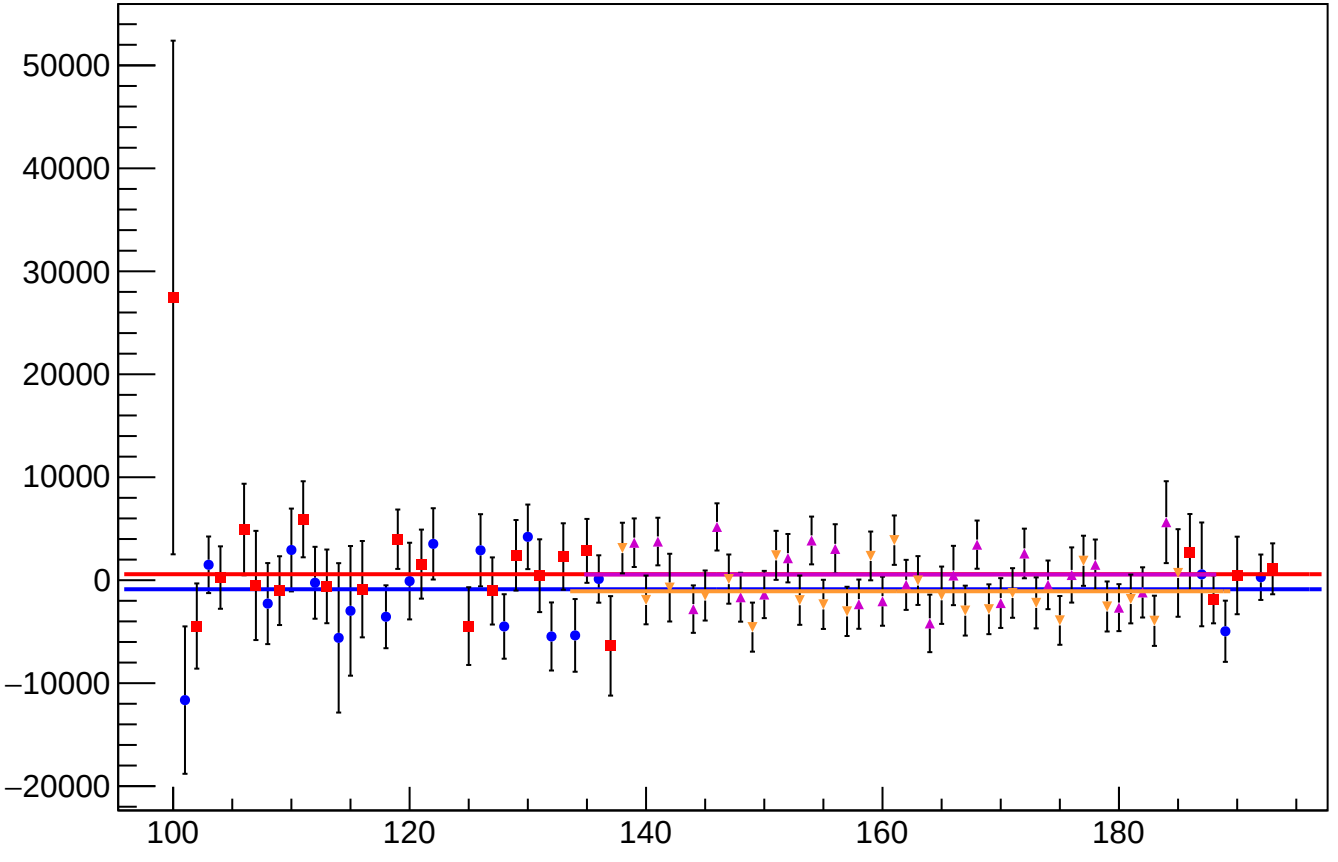
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 133.521+/-0.021 χ^2/NDF: 12639595.3/42

All: 134.345+/-0.015 χ^2/NDF: 25602502.3/87

- sign 135.202+/-0.021 χ^2/NDF: 12959759.9/44

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: 582.334+/-742.755 χ^2/NDF: 14.3/21

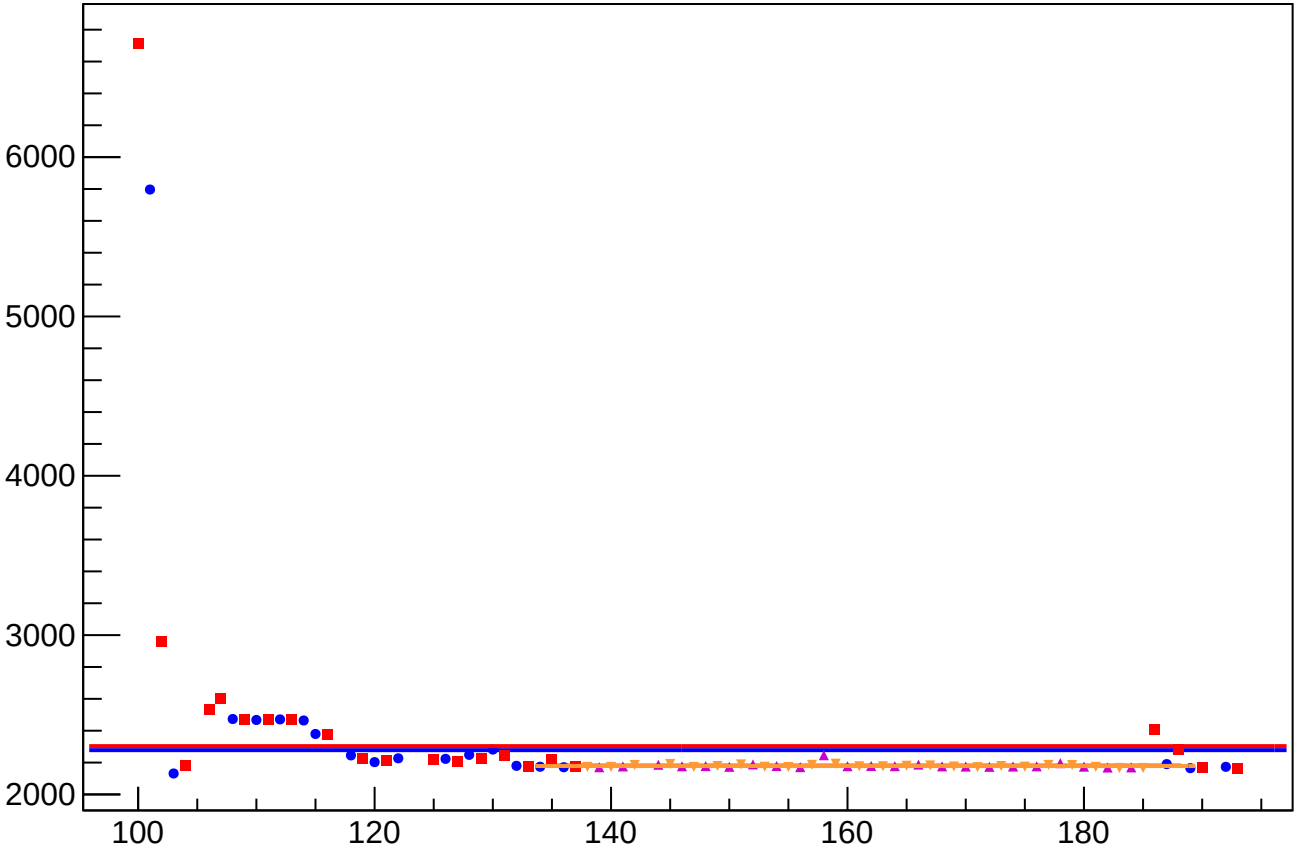
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -1014.772+/-423.170 χ^2/NDF: 39.7/42

All: -218.845+/-298.095 χ^2/NDF: 89.8/87

- sign 565.154+/-419.988 χ^2/NDF: 43.0/44

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

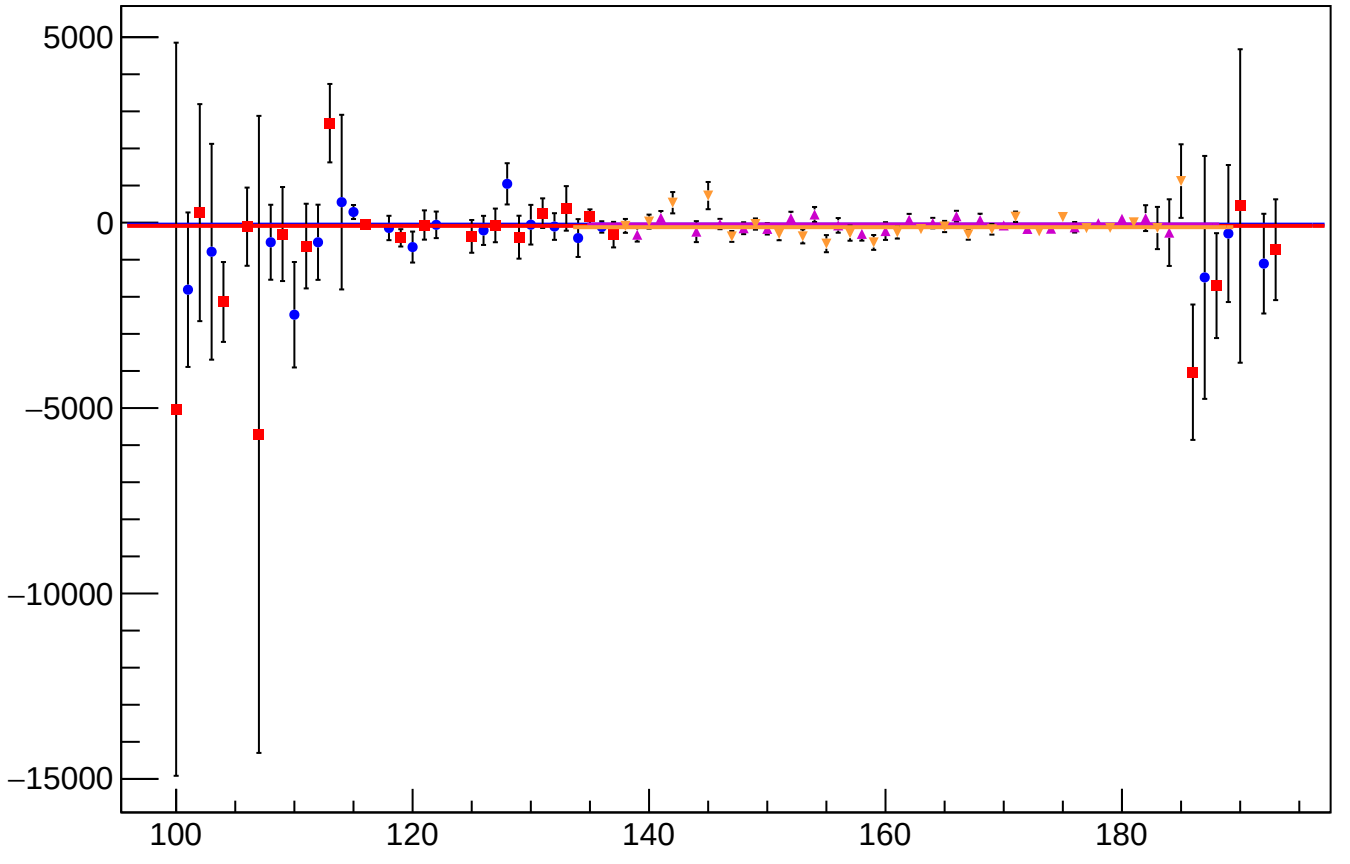
Right Out: 2303.250+/-0.525 χ^2/NDF: 165209.4/21

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2208.074+/-0.299 χ^2/NDF: 547961.6/42

All: 2214.098+/-0.211 χ^2/NDF: 752748.0/87

- sign 2220.032+/-0.297 χ^2/NDF: 203981.9/44



Right In: -54.447+/-90.569 χ^2/NDF: 15.2/18

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

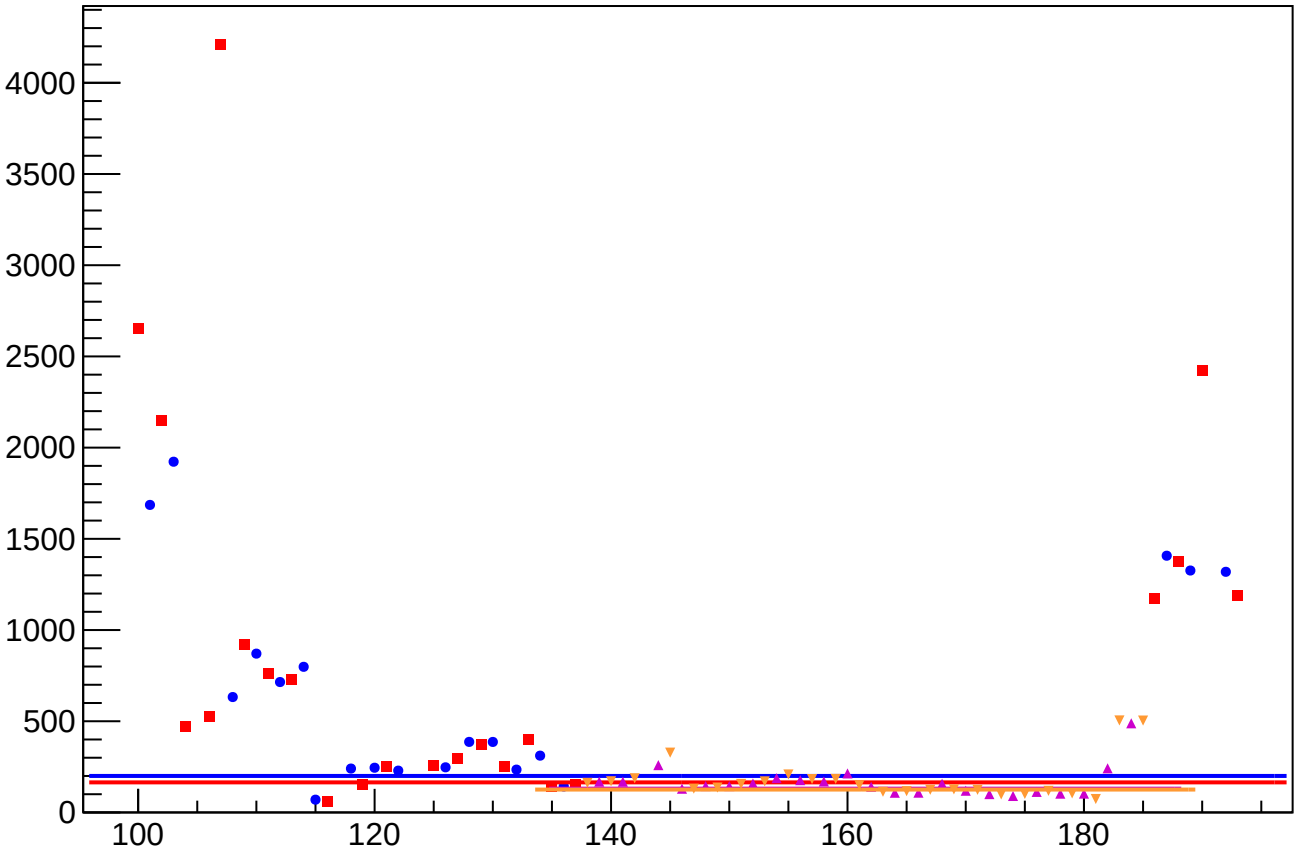
Right Out: -87.836+/-81.935 χ^2/NDF: 23.7/21

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.576+/-29.674 χ^2/NDF: 59.5/42

All: -86.035+/-21.183 χ^2/NDF: 103.6/87

- sign -55.338+/-30.249 χ^2/NDF: 42.1/44



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: 164.885+/-0.058 χ^2/NDF: 9922939.6/21

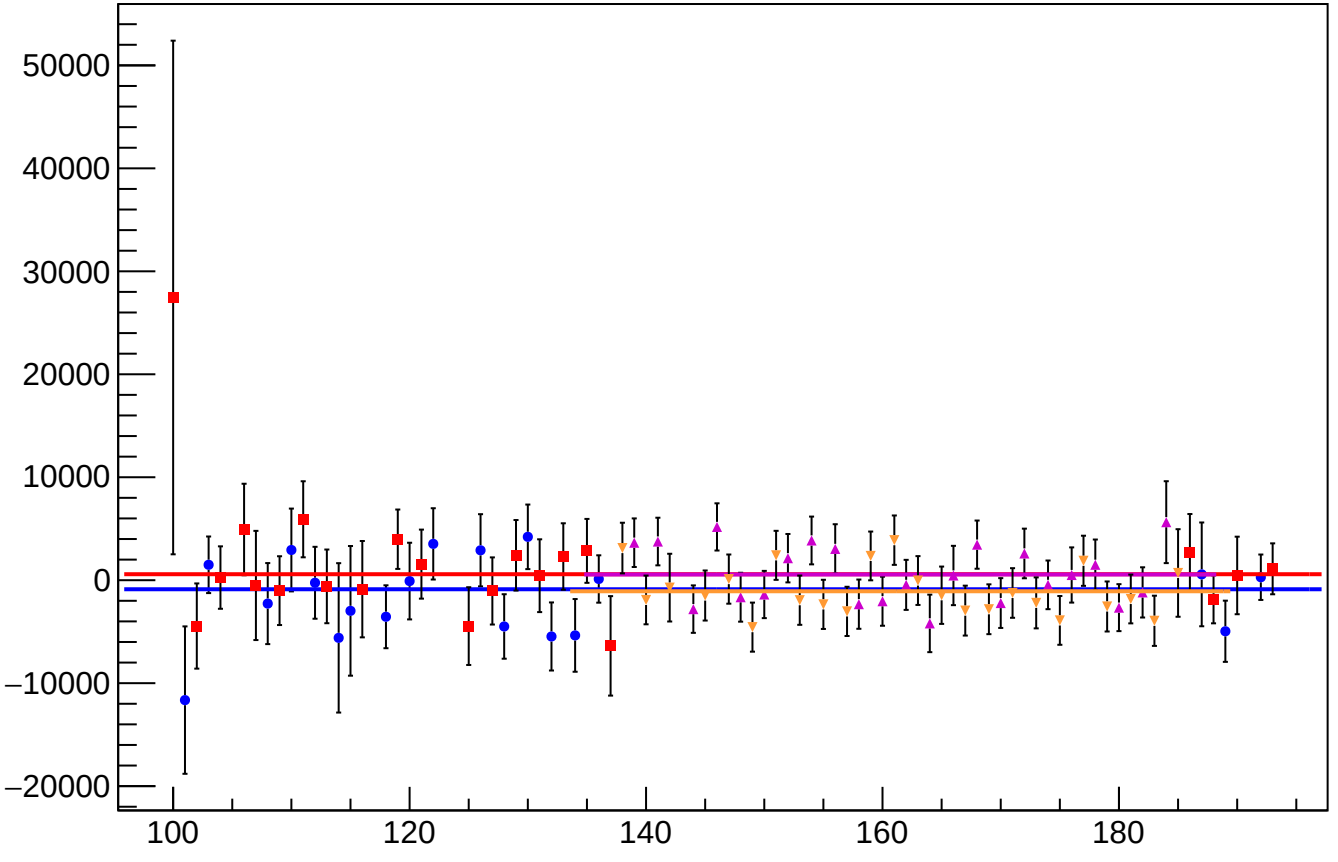
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 133.519+/-0.021 χ^2/NDF: 12639993.2/42

All: 134.316+/-0.015 χ^2/NDF: 25550326.4/87

- sign 135.144+/-0.021 χ^2/NDF: 12907392.4/44

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: 582.334+/-742.755 χ^2/NDF: 14.3/21

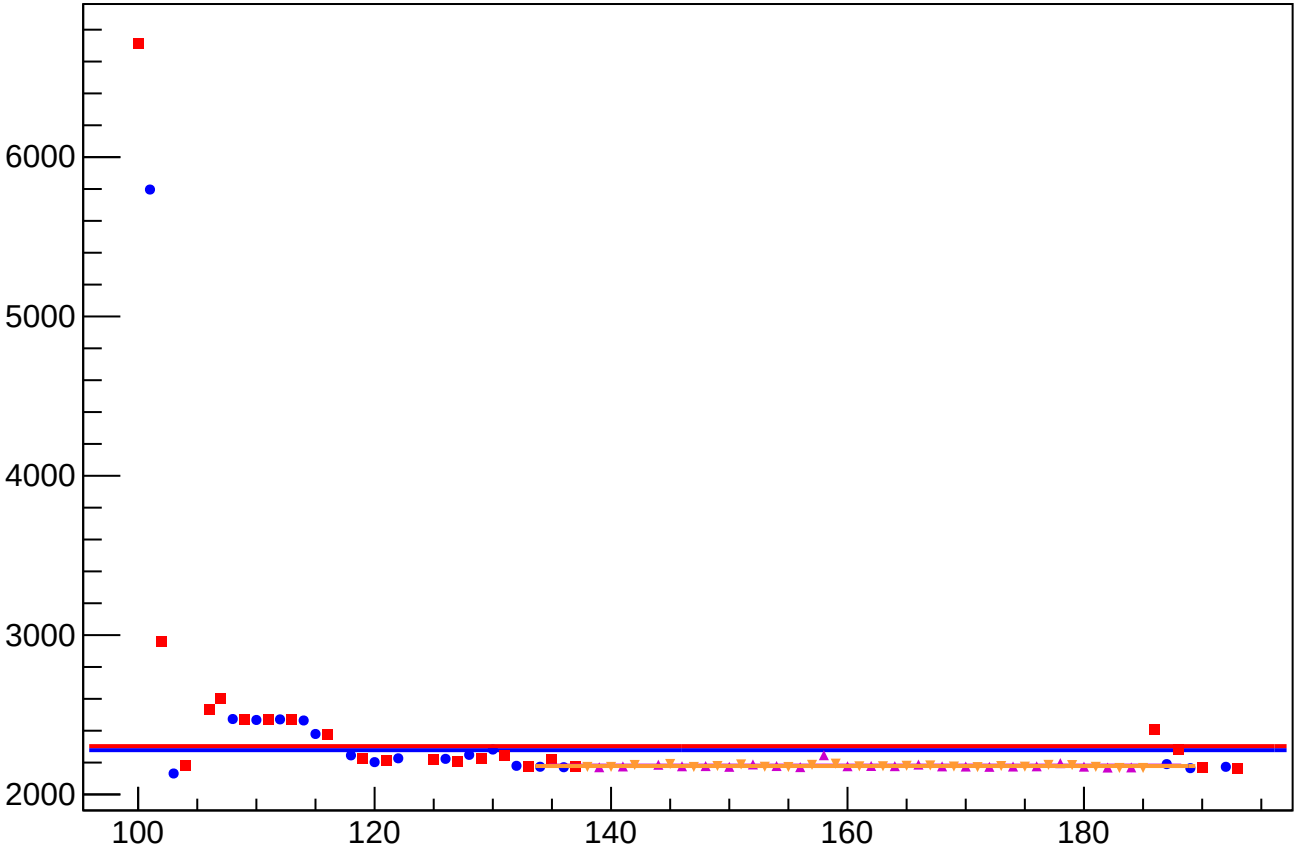
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -1014.772+/-423.170 χ^2/NDF: 39.7/42

All: -218.845+/-298.095 χ^2/NDF: 89.8/87

- sign 565.154+/-419.988 χ^2/NDF: 43.0/44

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

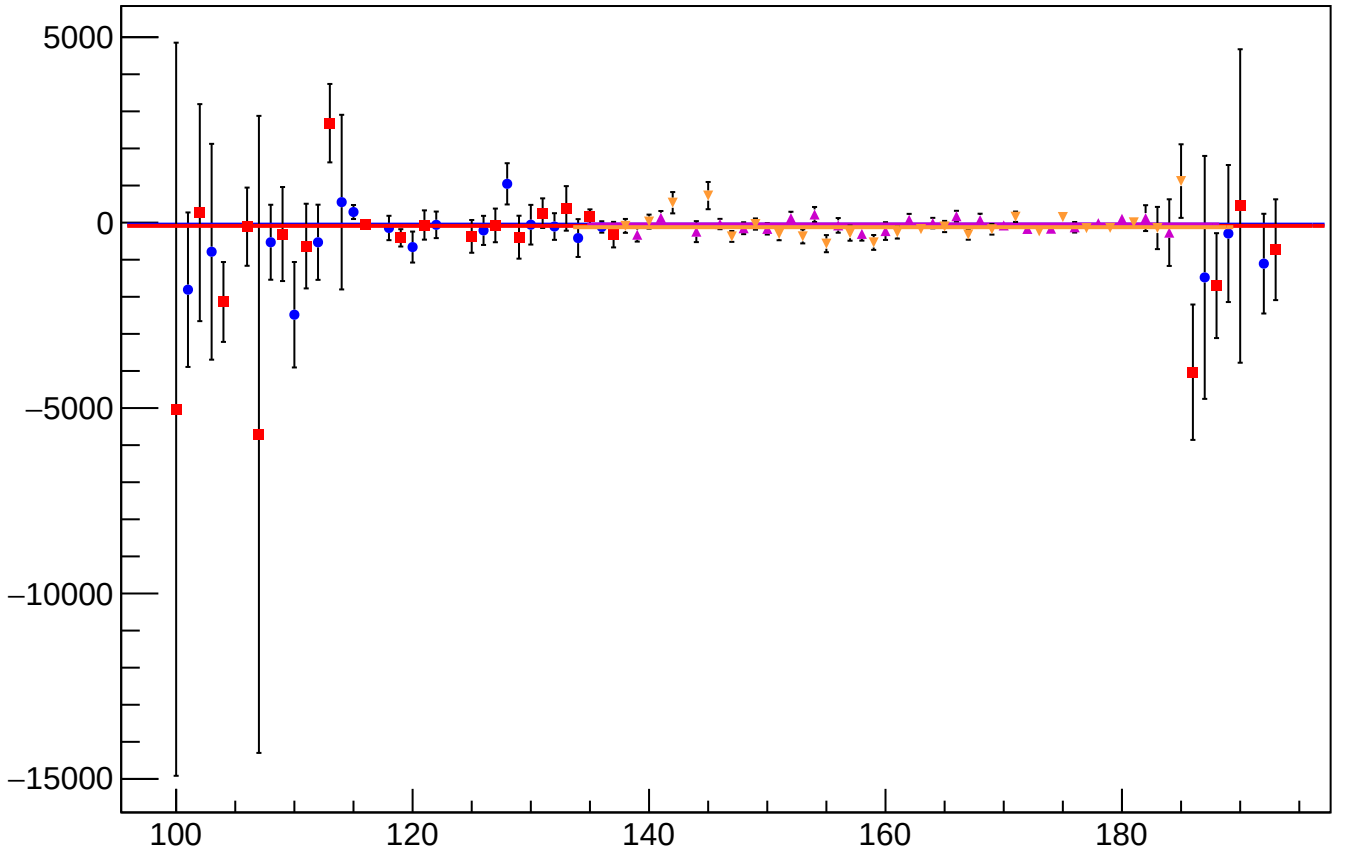
Right Out: 2303.250+/-0.525 χ^2/NDF: 165209.4/21

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2208.074+/-0.299 χ^2/NDF: 547961.6/42

All: 2214.098+/-0.211 χ^2/NDF: 752748.0/87

- sign 2220.032+/-0.297 χ^2/NDF: 203981.9/44



Right In: -54.447+/-90.569 χ^2/NDF: 15.2/18

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

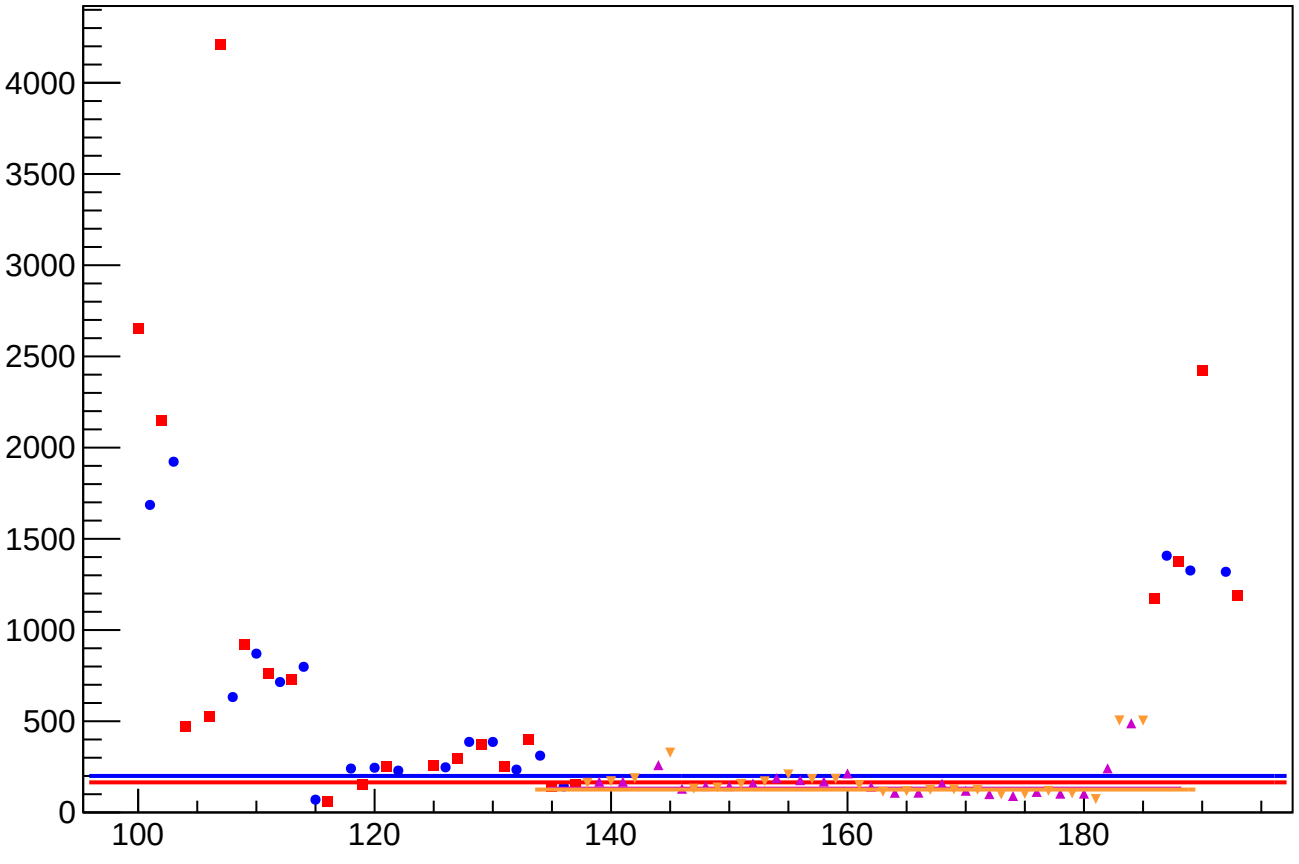
Right Out: -87.836+/-81.935 χ^2/NDF: 23.7/21

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.576+/-29.674 χ^2/NDF: 59.5/42

All: -86.035+/-21.183 χ^2/NDF: 103.6/87

- sign -55.338+/-30.249 χ^2/NDF: 42.1/44



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: 164.885+/-0.058 χ^2/NDF: 9922939.6/21

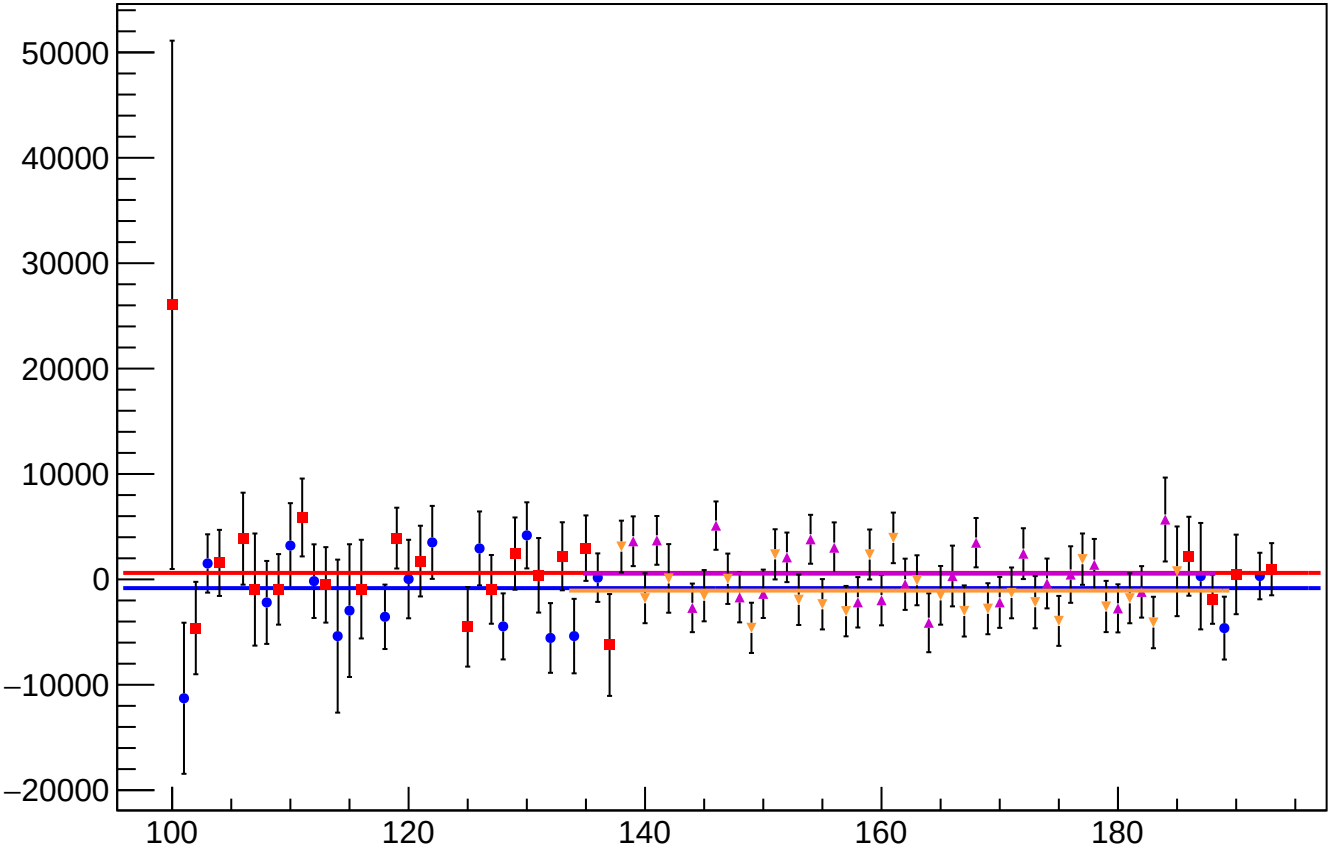
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 133.519+/-0.021 χ^2/NDF: 12639993.2/42

All: 134.316+/-0.015 χ^2/NDF: 25550326.4/87

- sign 135.144+/-0.021 χ^2/NDF: 12907392.4/44

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: 614.744+/-745.626 χ^2/NDF: 13.6/21

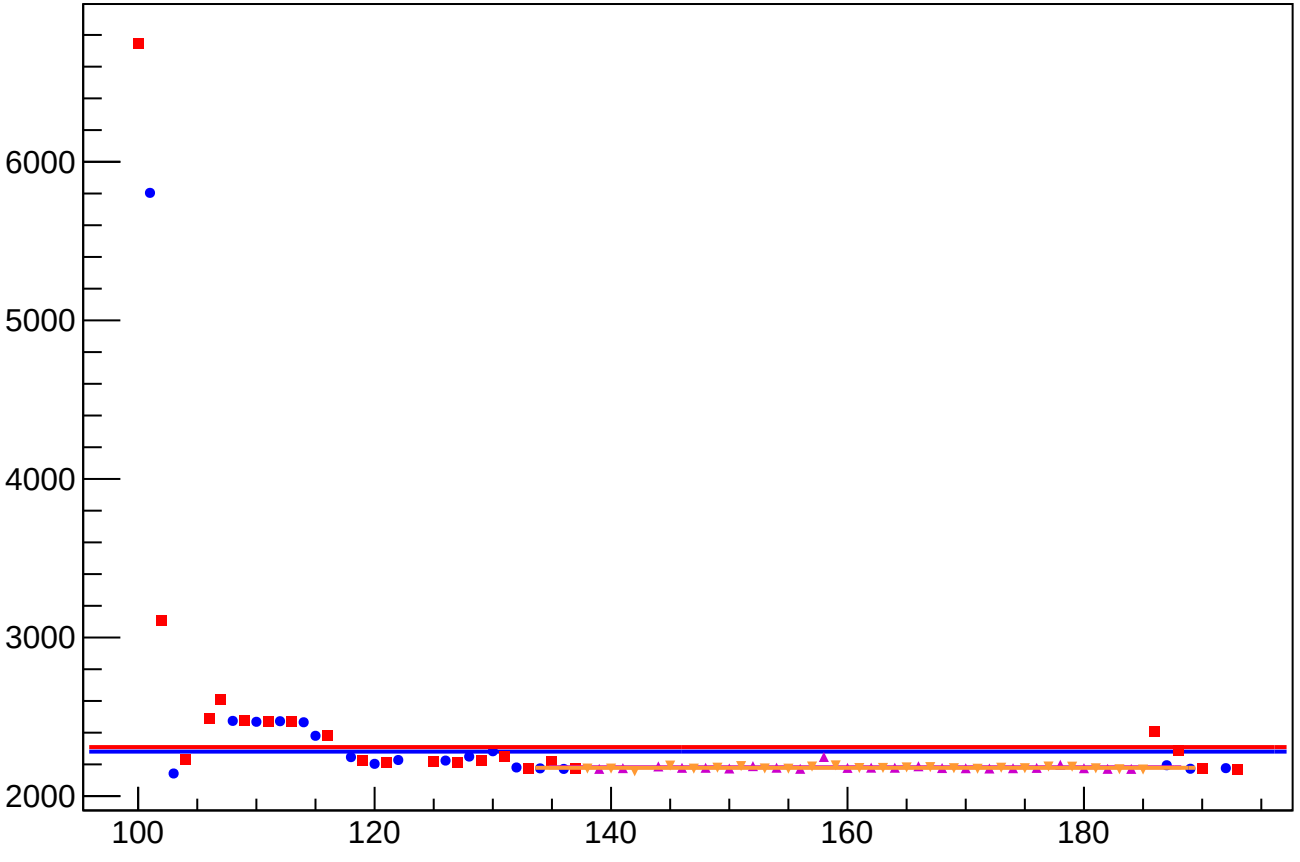
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -992.706+/-423.382 χ^2/NDF: 39.8/42

All: -207.925+/-298.399 χ^2/NDF: 88.1/87

- sign 566.691+/-420.631 χ^2/NDF: 41.5/44

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

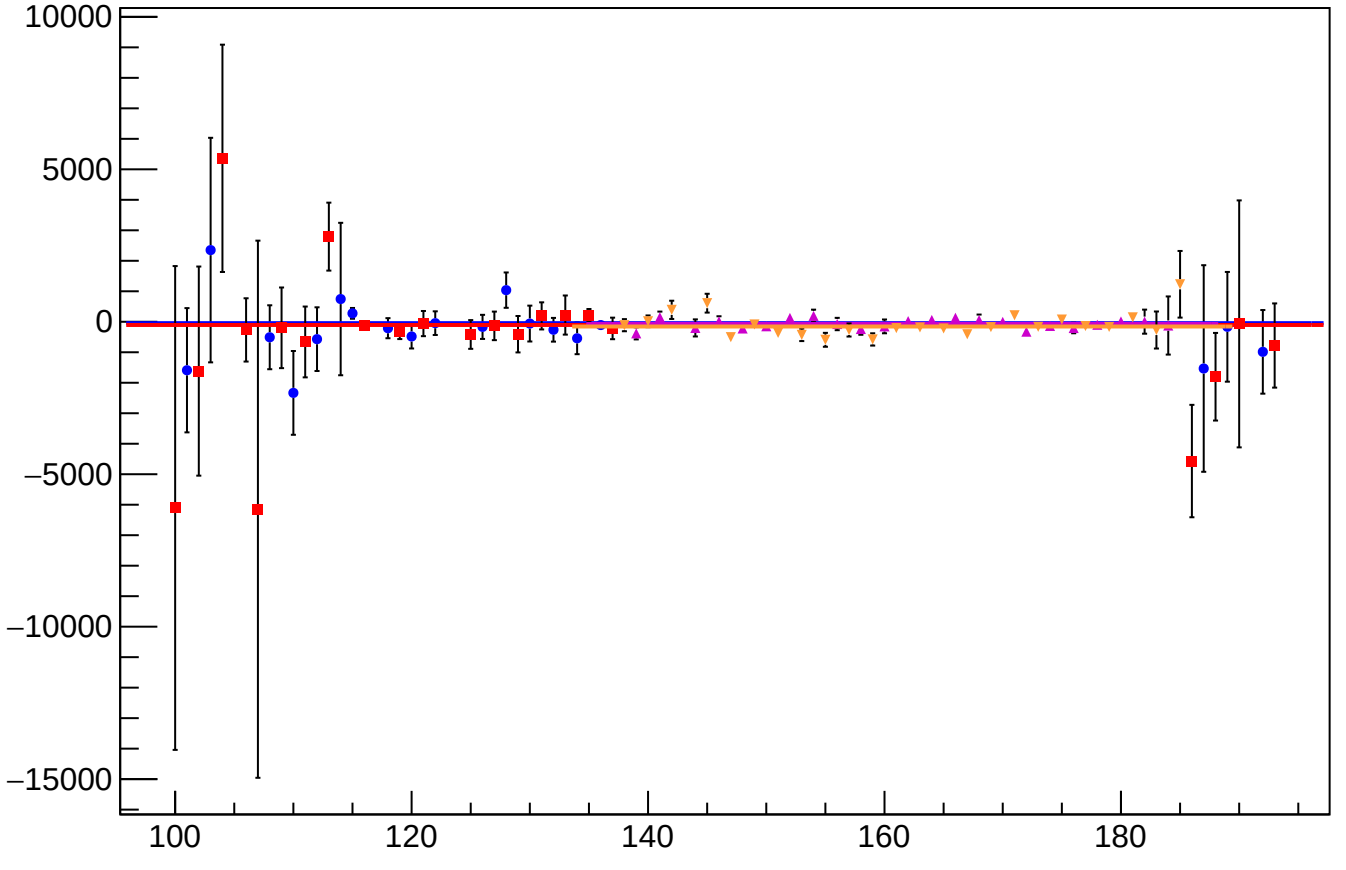
Right Out: 2309.093+/-0.527 χ^2/NDF: 179495.6/21

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2209.008+/-0.299 χ^2/NDF: 548302.3/42

All: 2215.731+/-0.211 χ^2/NDF: 770326.6/87

- sign 2222.367+/-0.297 χ^2/NDF: 221022.2/44



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: -104.811+/-85.656 χ^2/NDF: 22.5/21

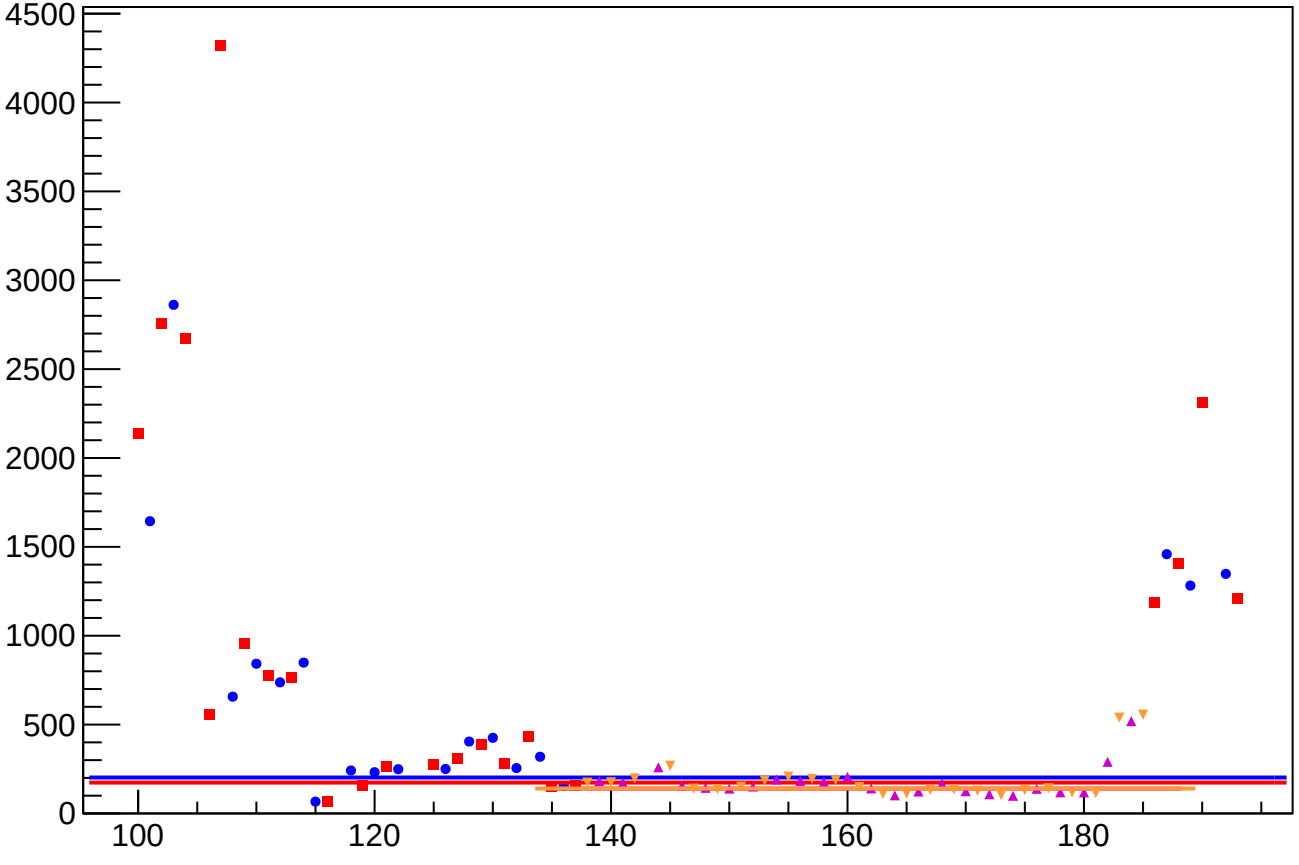
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -141.607+/-31.944 χ^2/NDF: 63.3/42

All: -108.072+/-22.524 χ^2/NDF: 107.0/87

- sign -74.910+/-31.765 χ^2/NDF: 41.6/44

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

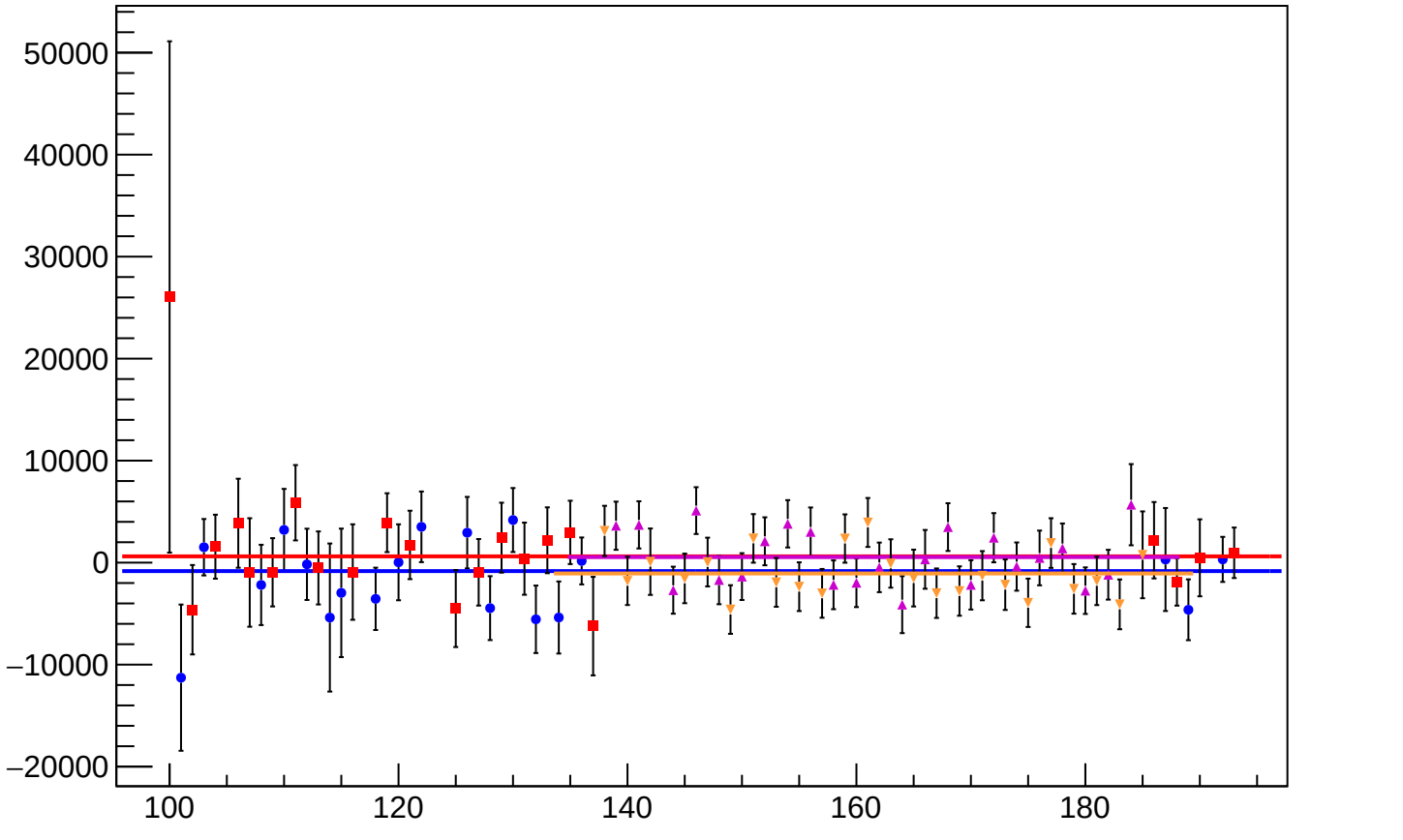
Right Out: 173.722+/-0.061 χ^2/NDF: 10854496.5/21

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 147.776+/-0.023 χ^2/NDF: 11583752.5/42

All: 146.189+/-0.016 χ^2/NDF: 25128220.0/87

- sign 144.619+/-0.022 χ^2/NDF: 13534645.8/44



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: 614.745+/-745.626 χ^2/NDF: 13.6/21

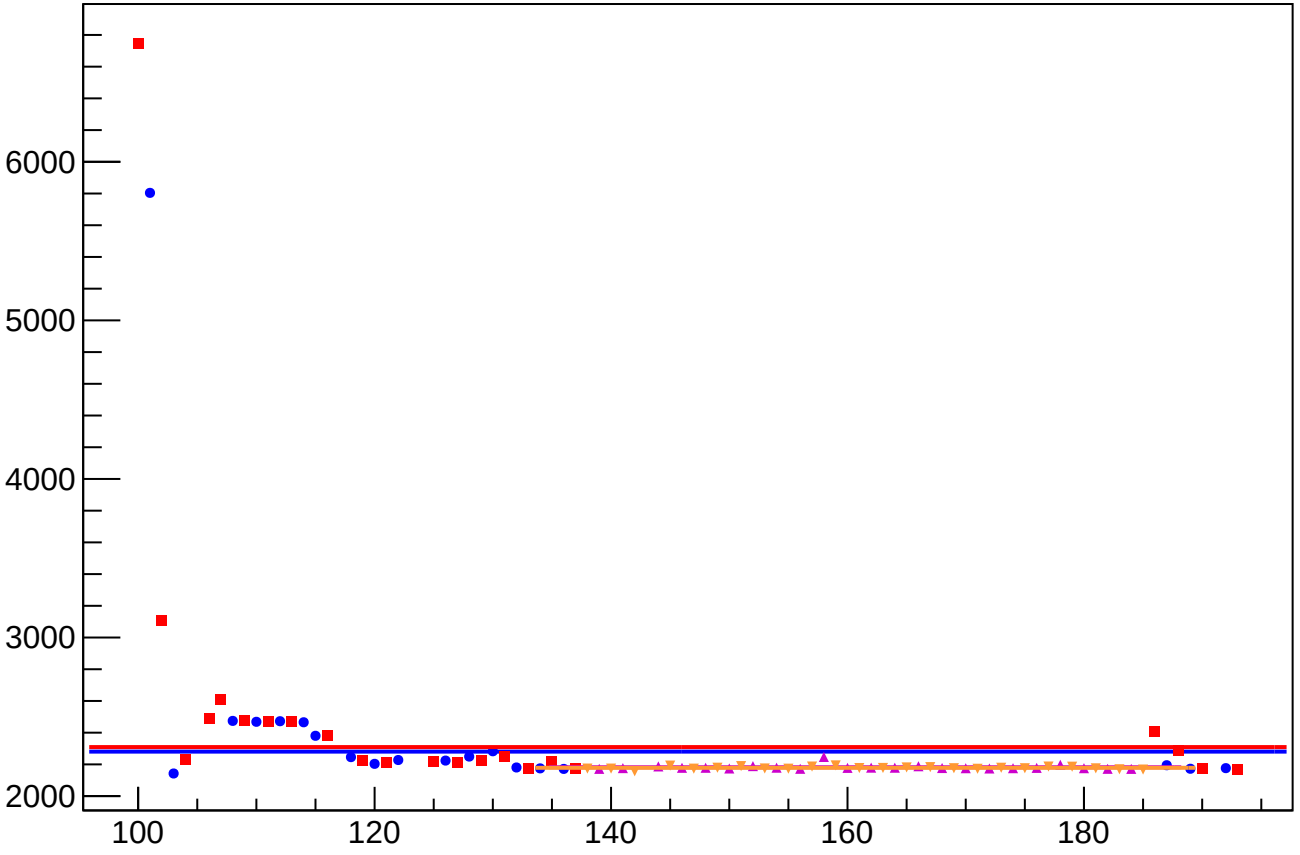
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -992.707+/-423.382 χ^2/NDF: 39.8/42

All: -207.925+/-298.399 χ^2/NDF: 88.1/87

- sign 566.691+/-420.631 χ^2/NDF: 41.5/44

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

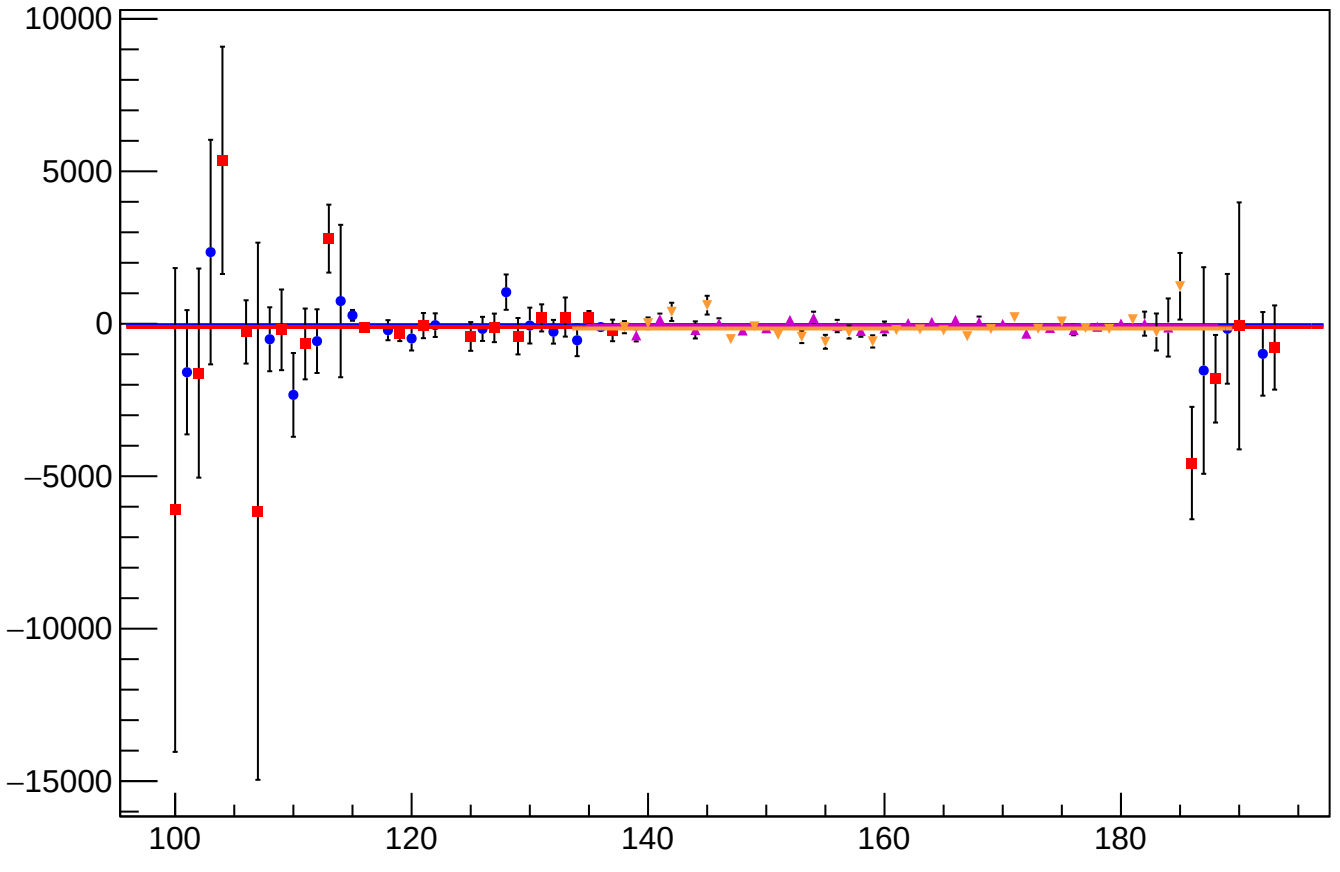
Right Out: 2309.093+/-0.527 χ^2/NDF: 179495.4/21

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2209.008+/-0.299 χ^2/NDF: 548302.3/42

All: 2215.731+/-0.211 χ^2/NDF: 770326.5/87

- sign 2222.367+/-0.297 χ^2/NDF: 221022.1/44



Right In: -45.807+/-92.044 χ^2/NDF: 14.7/18

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

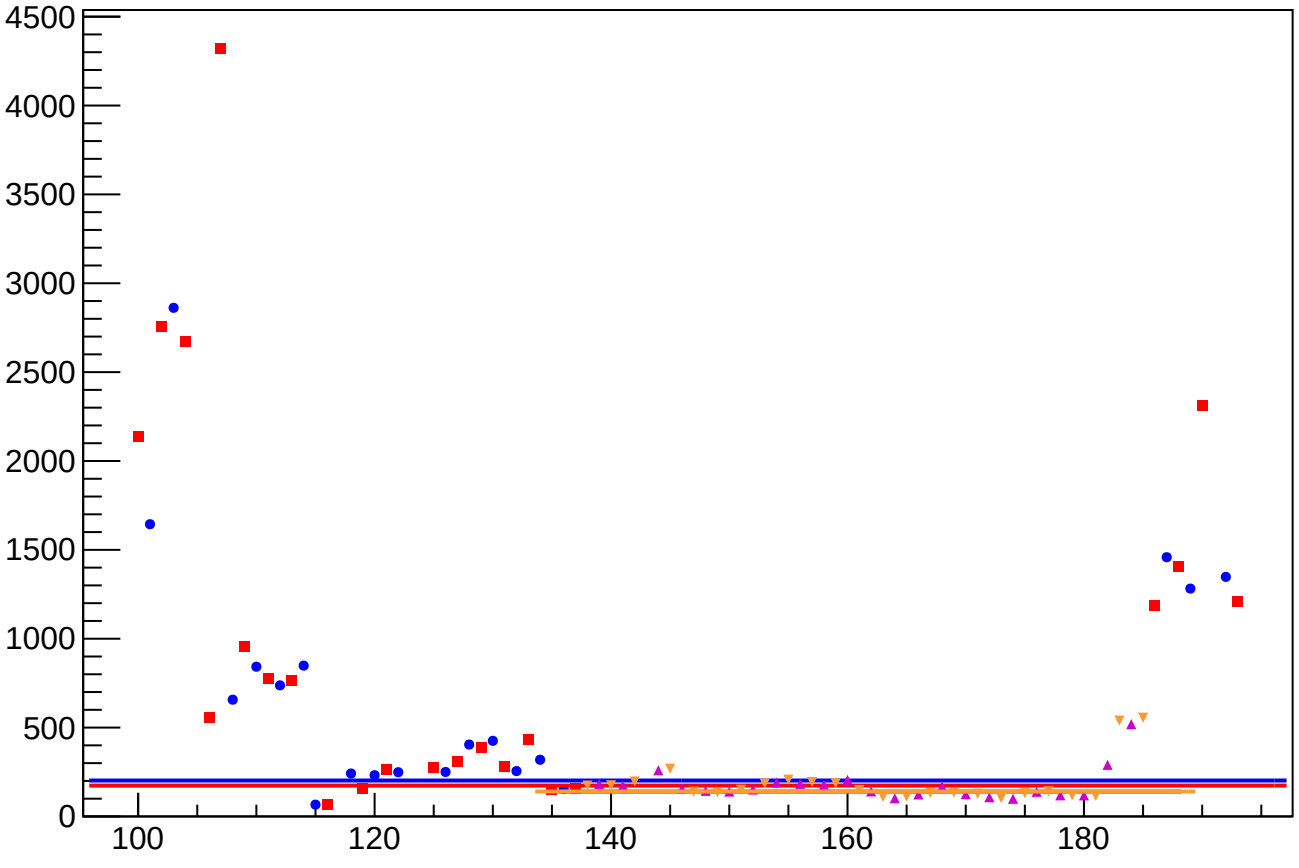
Right Out: -104.812+/-85.655 χ^2/NDF: 22.5/21

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -141.608+/-31.944 χ^2/NDF: 63.3/42

All: -108.072+/-22.524 χ^2/NDF: 107.0/87

- sign -74.909+/-31.765 χ^2/NDF: 41.6/44



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: 173.720+/-0.061 χ^2/NDF: 10854569.4/21

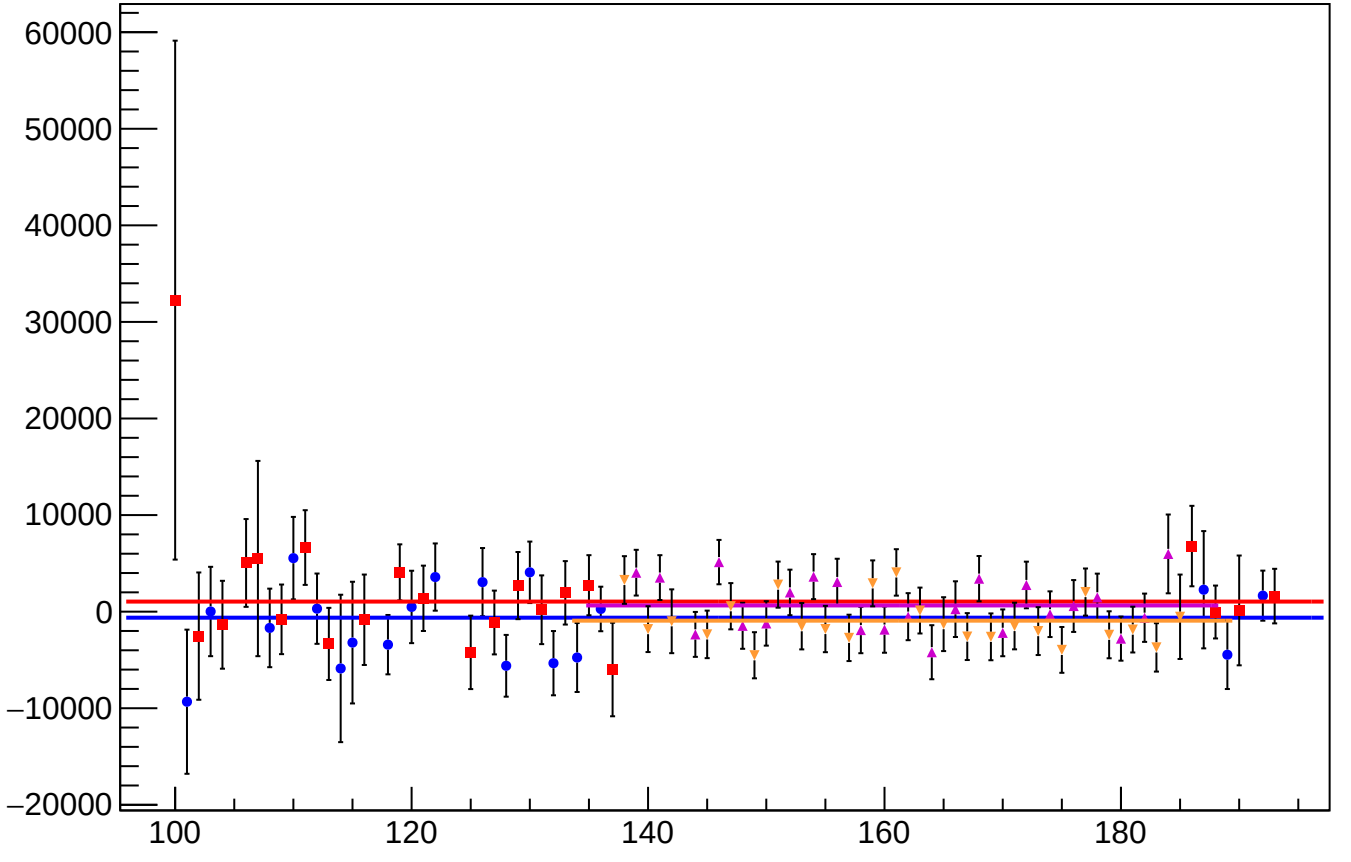
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 147.776+/-0.023 χ^2/NDF: 11583735.8/42

All: 146.189+/-0.016 χ^2/NDF: 25128294.8/87

- sign 144.619+/-0.022 χ^2/NDF: 13534735.6/44

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: 1043.190+/-814.688 χ^2/NDF: 15.1/21

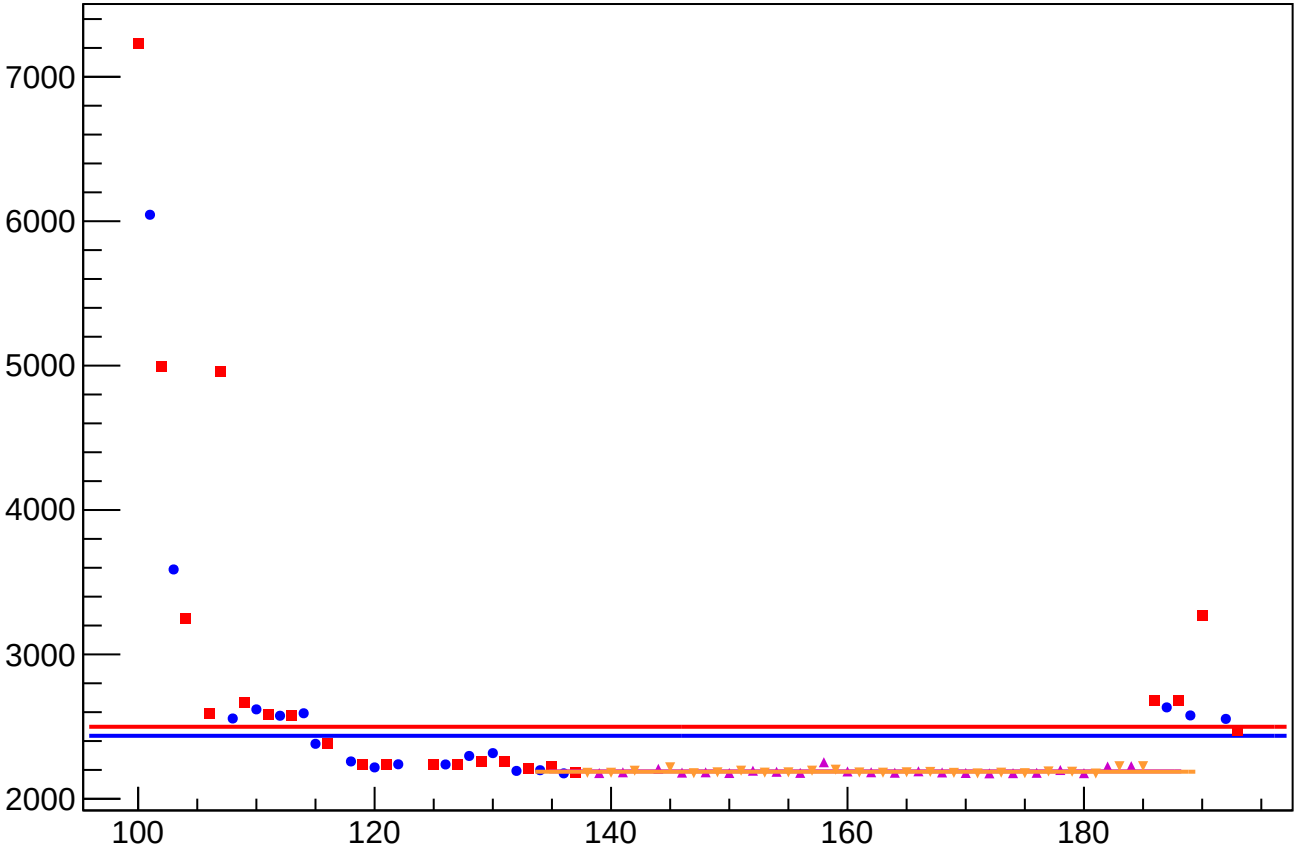
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -848.470+/-433.314 χ^2/NDF: 40.5/42

All: -45.899+/-306.330 χ^2/NDF: 89.6/87

- sign 755.946+/-433.118 χ^2/NDF: 42.3/44

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

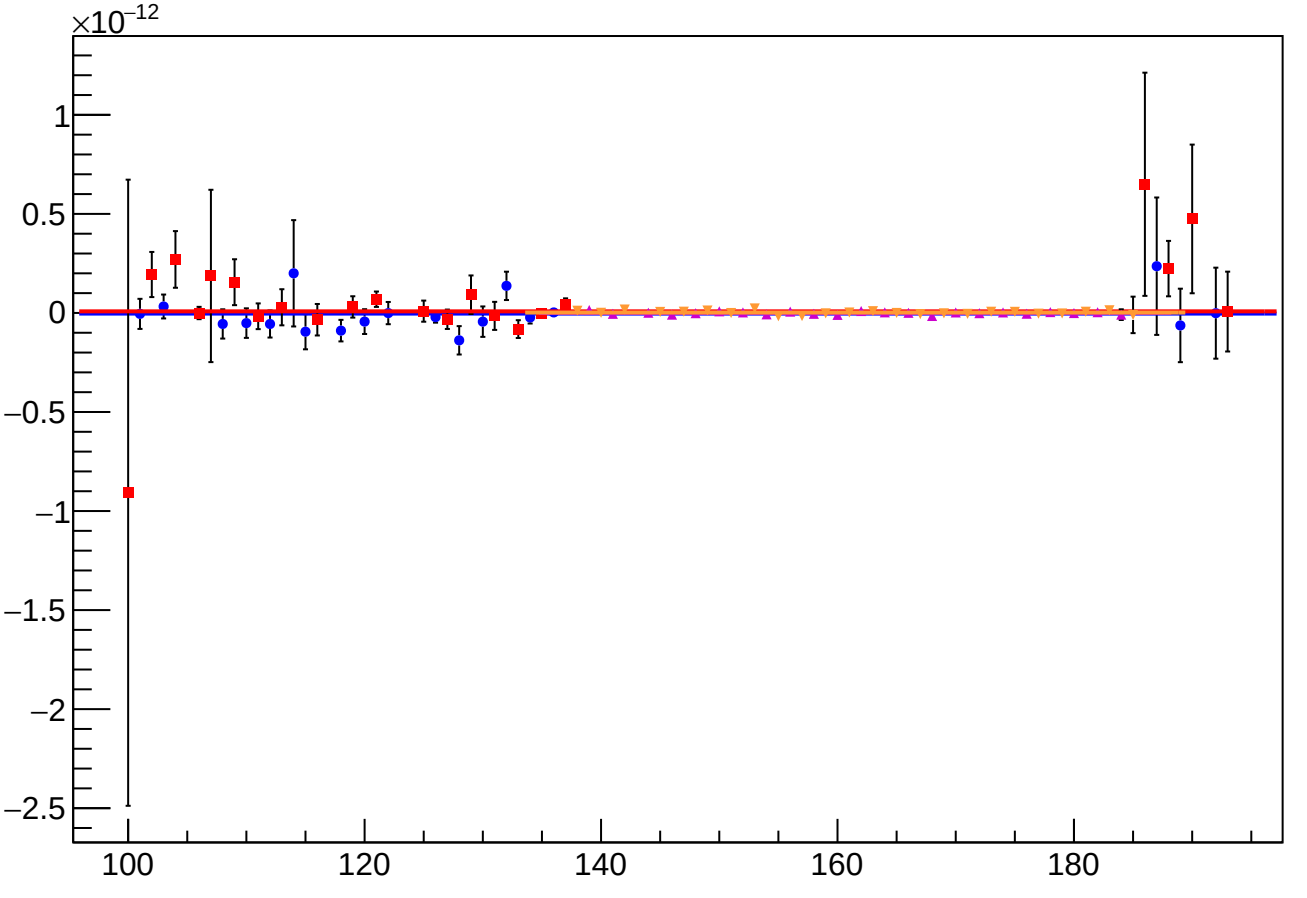
Right Out: 2498.854+/-0.576 χ^2/NDF: 688176.1/21

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2255.167+/-0.306 χ^2/NDF: 819846.9/42

All: 2266.294+/-0.217 χ^2/NDF: 1719187.4/87

- sign 2277.411+/-0.306 χ^2/NDF: 896704.1/44



Right In: -0.000+/-0.000 χ^2/NDF: 16.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

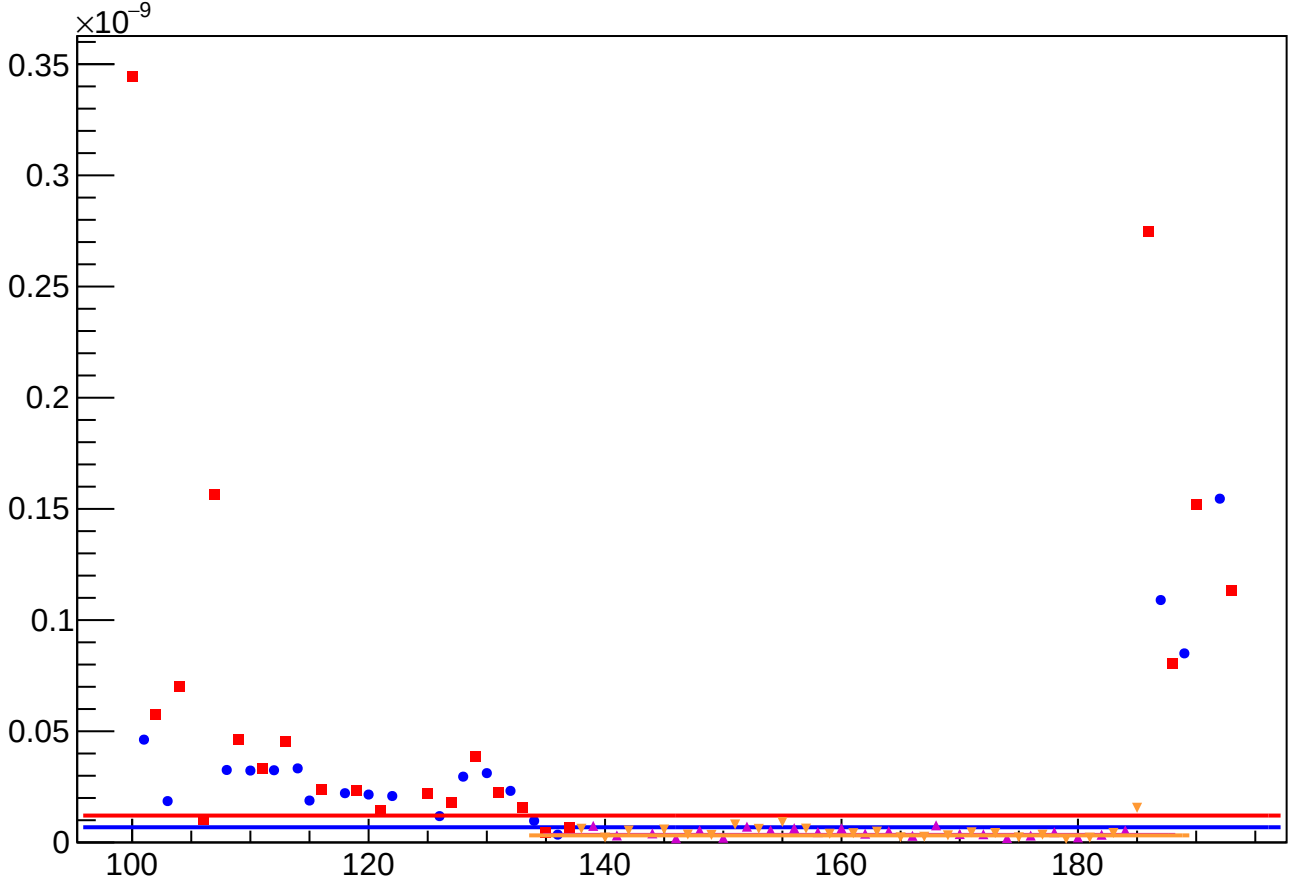
Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/21

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: 74.6/87

- sign 0.000+/-0.000 χ^2/NDF: 38.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 4216232.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

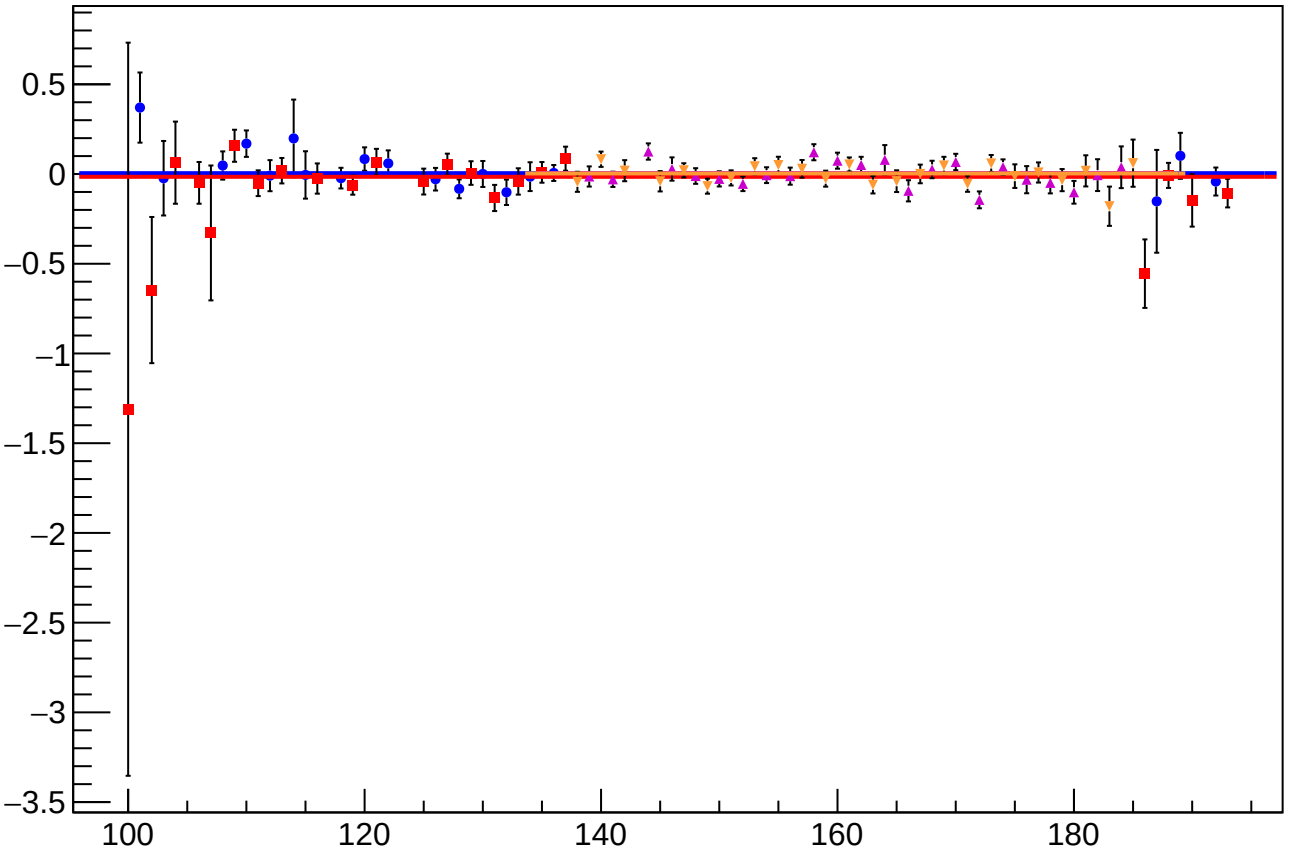
Right Out: 0.000+/-0.000 χ^2/NDF: 4406471.7/21

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: 14616416.3/87

- sign 0.000+/-0.000 χ^2/NDF: 7667455.1/44



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: -0.015+/-0.017 χ^2/NDF: 26.8/21

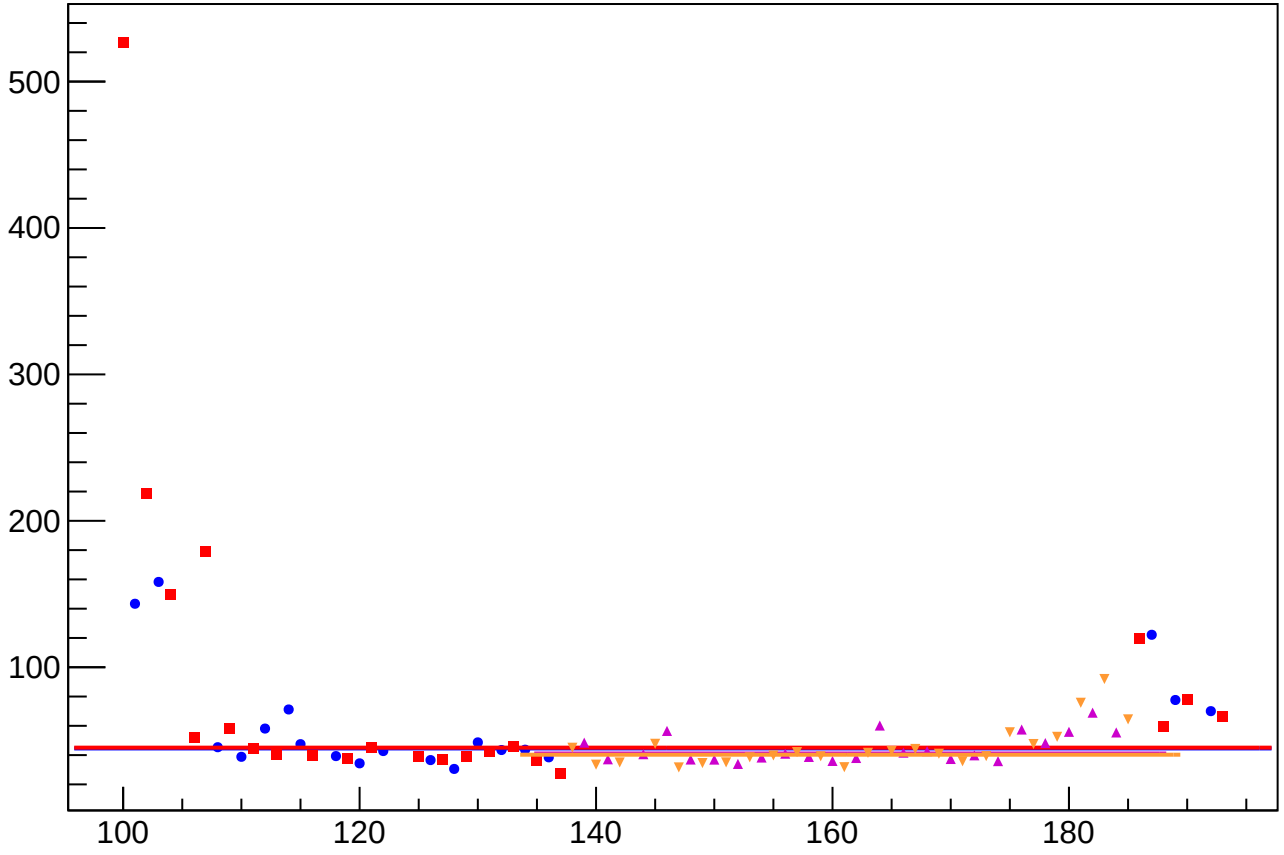
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/42

All: 0.002+/-0.006 χ^2/NDF: 109.7/87

- sign -0.000+/-0.009 χ^2/NDF: 69.3/44

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 44.547+/-0.012 χ^2/NDF: 1981732.4/18

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

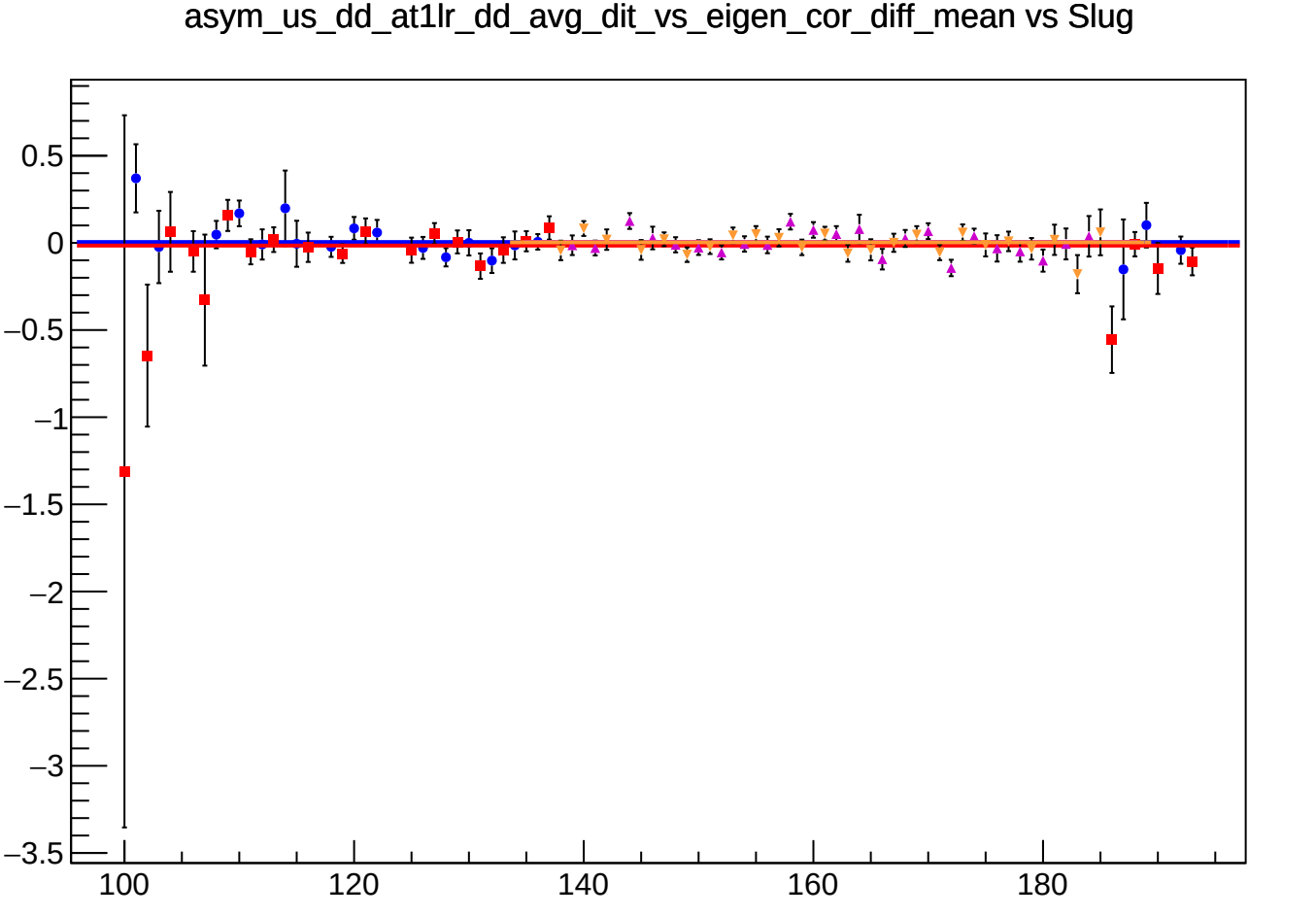
Right Out: 45.090+/-0.012 χ^2/NDF: 2138917.5/21

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 41.379+/-0.006 χ^2/NDF: 3558360.0/42

All: 41.770+/-0.004 χ^2/NDF: 6709861.3/87

- sign 42.168+/-0.006 χ^2/NDF: 3143780.9/44



Right In: 0.005+/-0.018 χ^2/NDF: 18.5/18

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

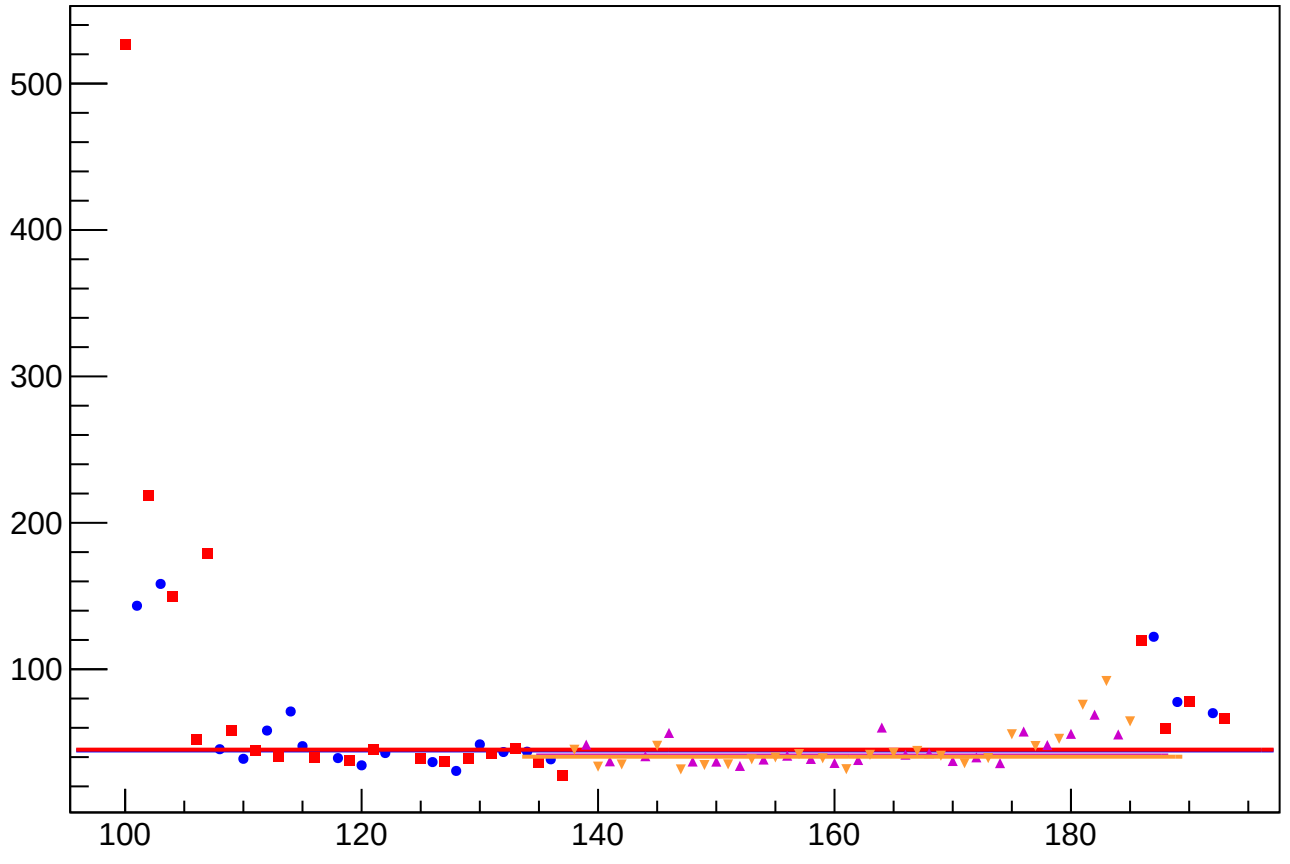
Right Out: -0.015+/-0.017 χ^2/NDF: 26.8/21

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: 109.7/87

- sign -0.000+/-0.009 χ^2/NDF: 69.3/44



Right In: 44.547+/-0.012 χ^2/NDF: 1981732.4/18

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

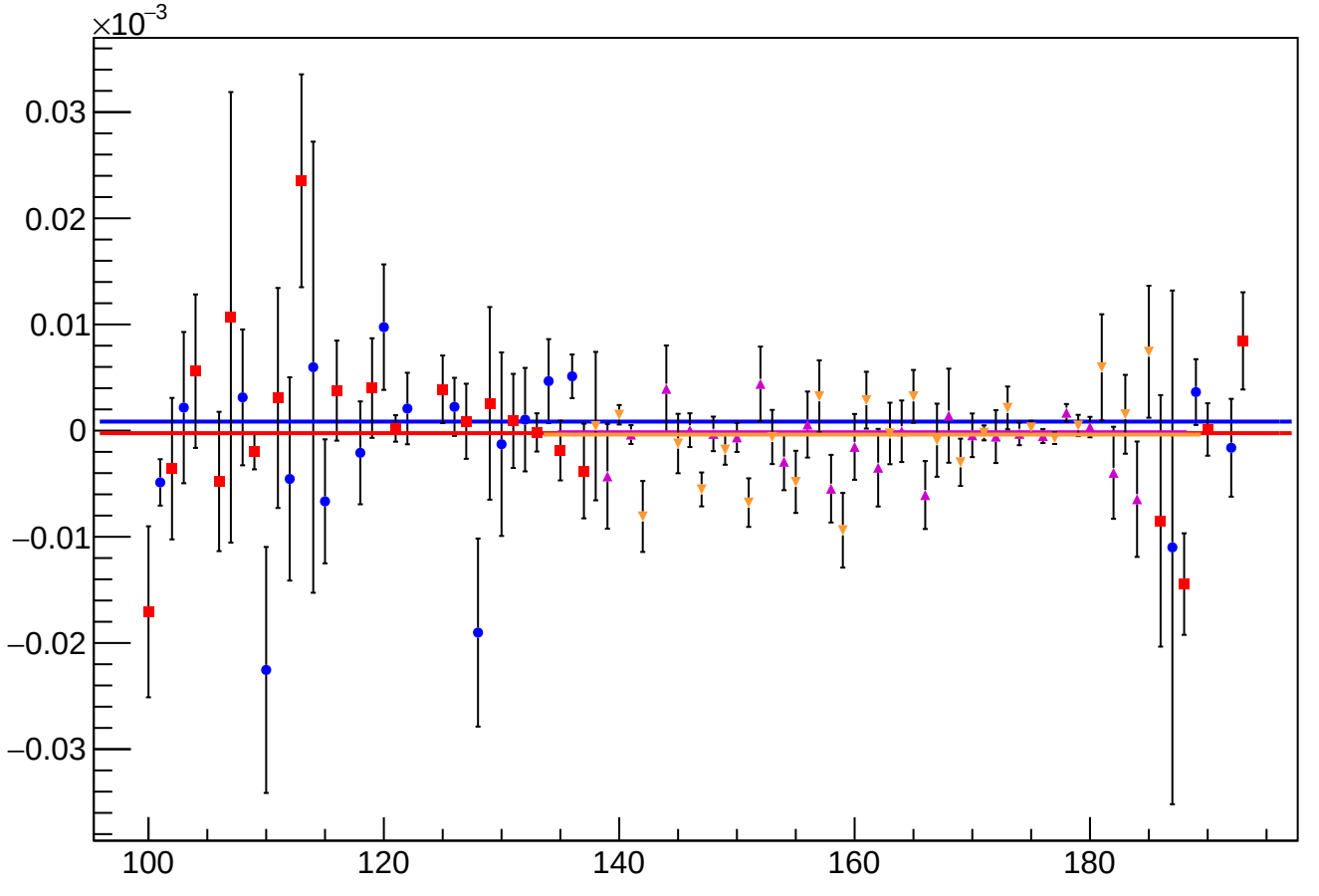
Right Out: 45.090+/-0.012 χ^2/NDF: 2138917.5/21

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 41.379+/-0.006 χ^2/NDF: 3558360.0/42

All: 41.770+/-0.004 χ^2/NDF: 6709861.3/87

- sign 42.168+/-0.006 χ^2/NDF: 3143780.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

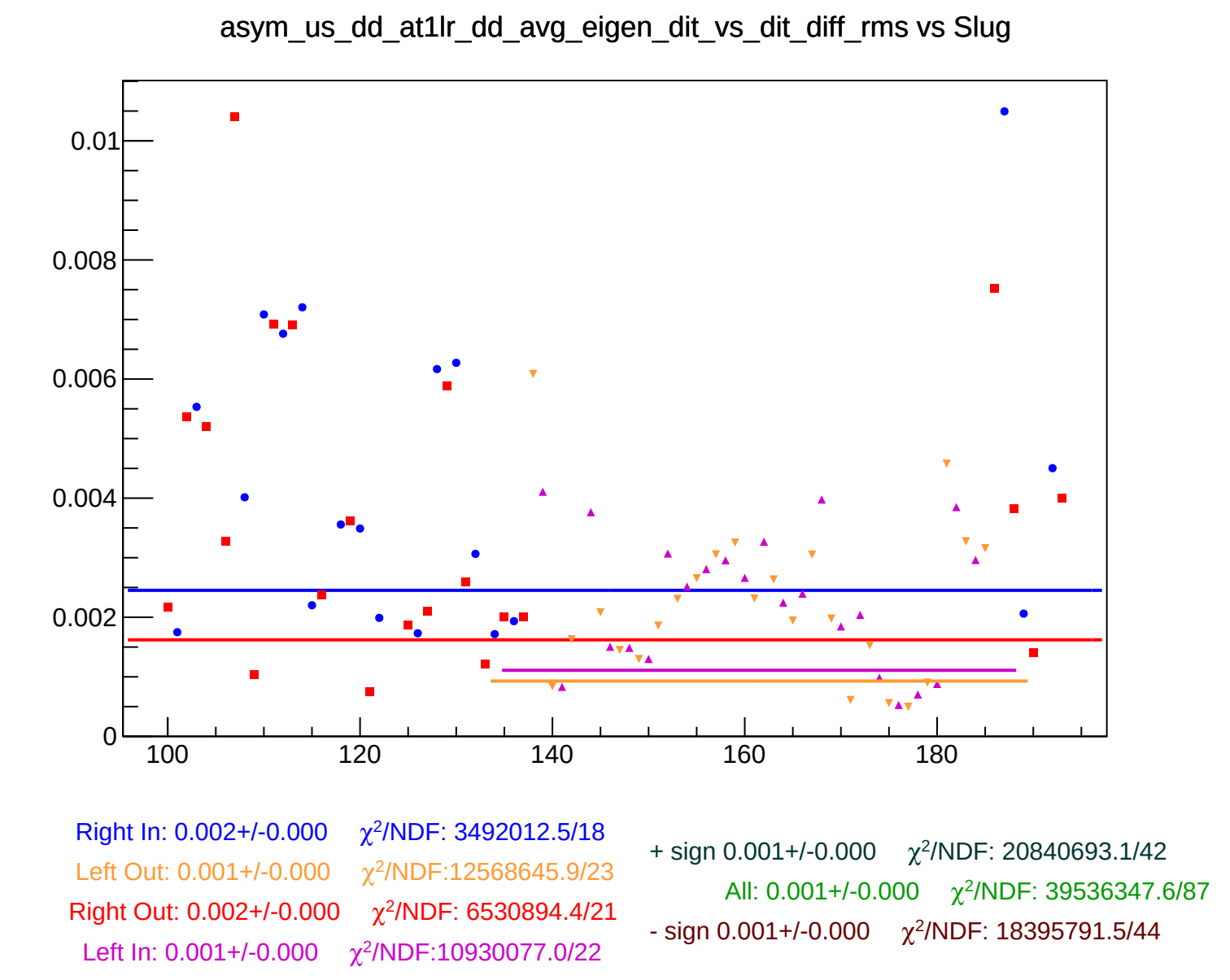
Right Out: -0.000+/-0.000 χ^2/NDF: 30.4/21

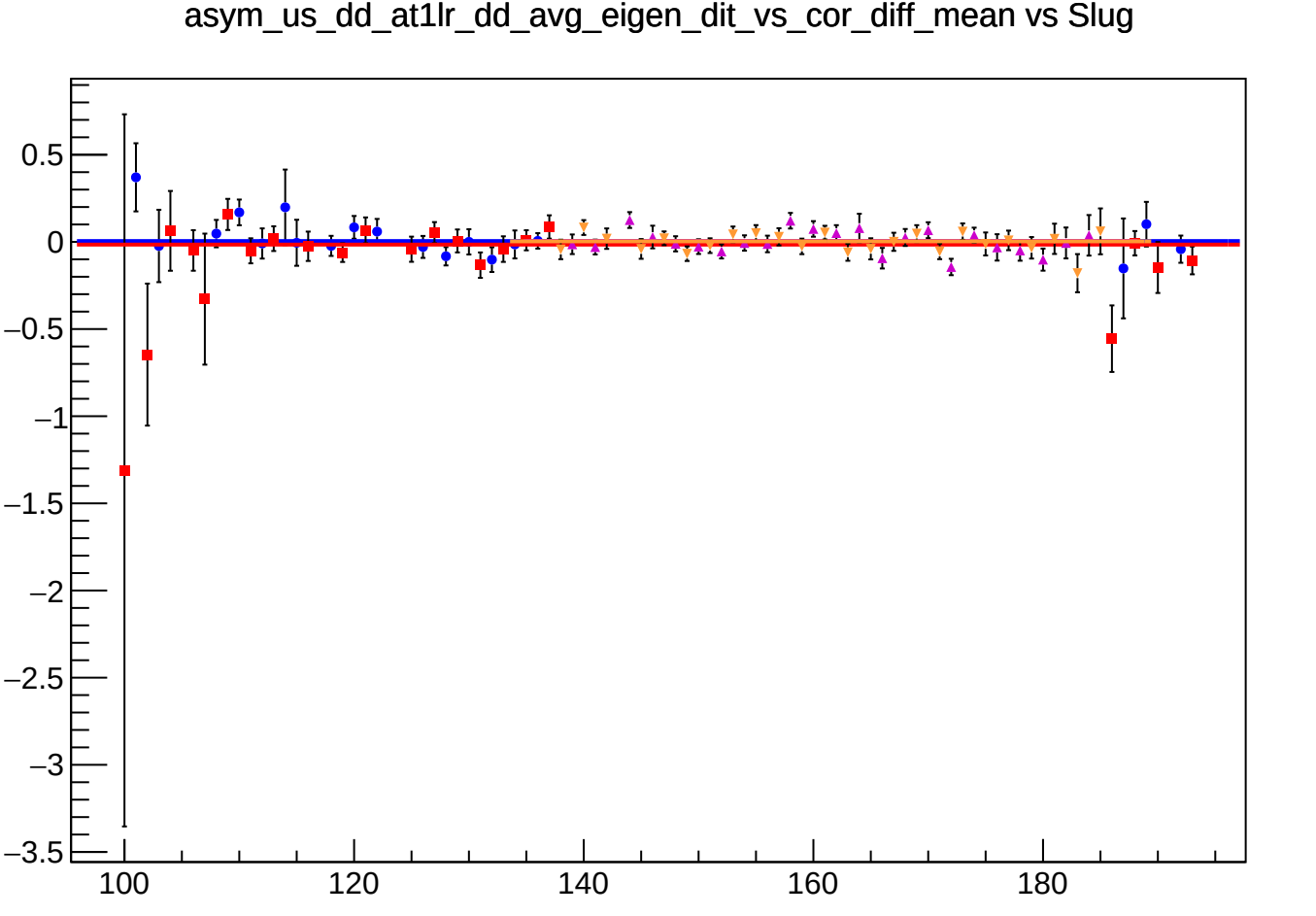
Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.6/42

All: -0.000+/-0.000 χ^2/NDF: 130.9/87

- sign -0.000+/-0.000 χ^2/NDF: 50.3/44


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
Right In: 0.002+/-0.000 χ²/NDF: 3492012.5/18
Left Out: 0.001+/-0.000 χ²/NDF:12568645.9/23
Right Out: 0.002+/-0.000 χ²/NDF: 6530894.4/21
Left In: 0.001+/-0.000 χ²/NDF:10930077.0/22
+ sign 0.001+/-0.000 χ²/NDF: 20840693.1/42
All: 0.001+/-0.000 χ²/NDF: 39536347.6/87
- sign 0.001+/-0.000 χ²/NDF: 18395791.5/44



Right In: 0.005+/-0.018 χ^2/NDF: 18.5/18

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

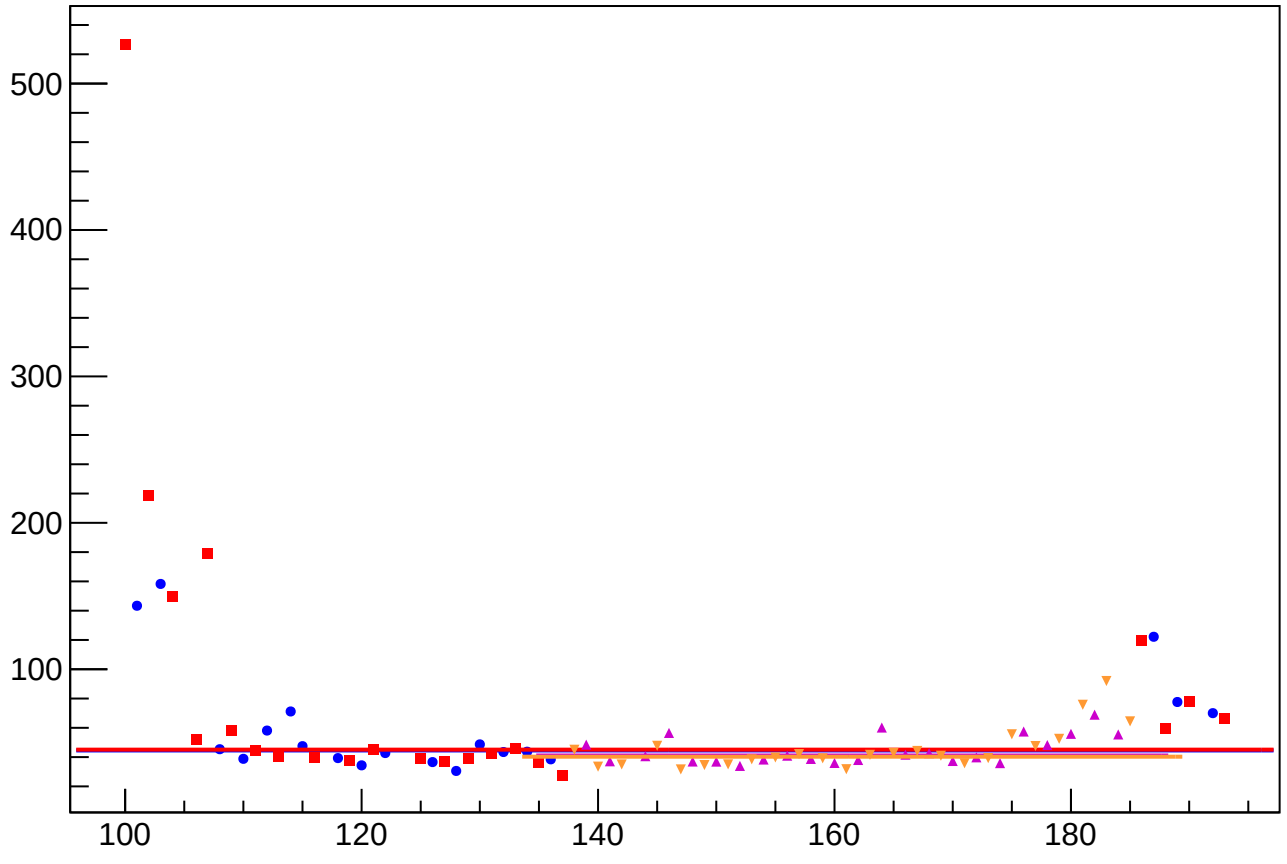
Right Out: -0.015+/-0.017 χ^2/NDF: 26.8/21

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: 109.7/87

- sign -0.000+/-0.009 χ^2/NDF: 69.3/44



Right In: 44.545+/-0.012 χ^2/NDF: 1982019.9/18

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

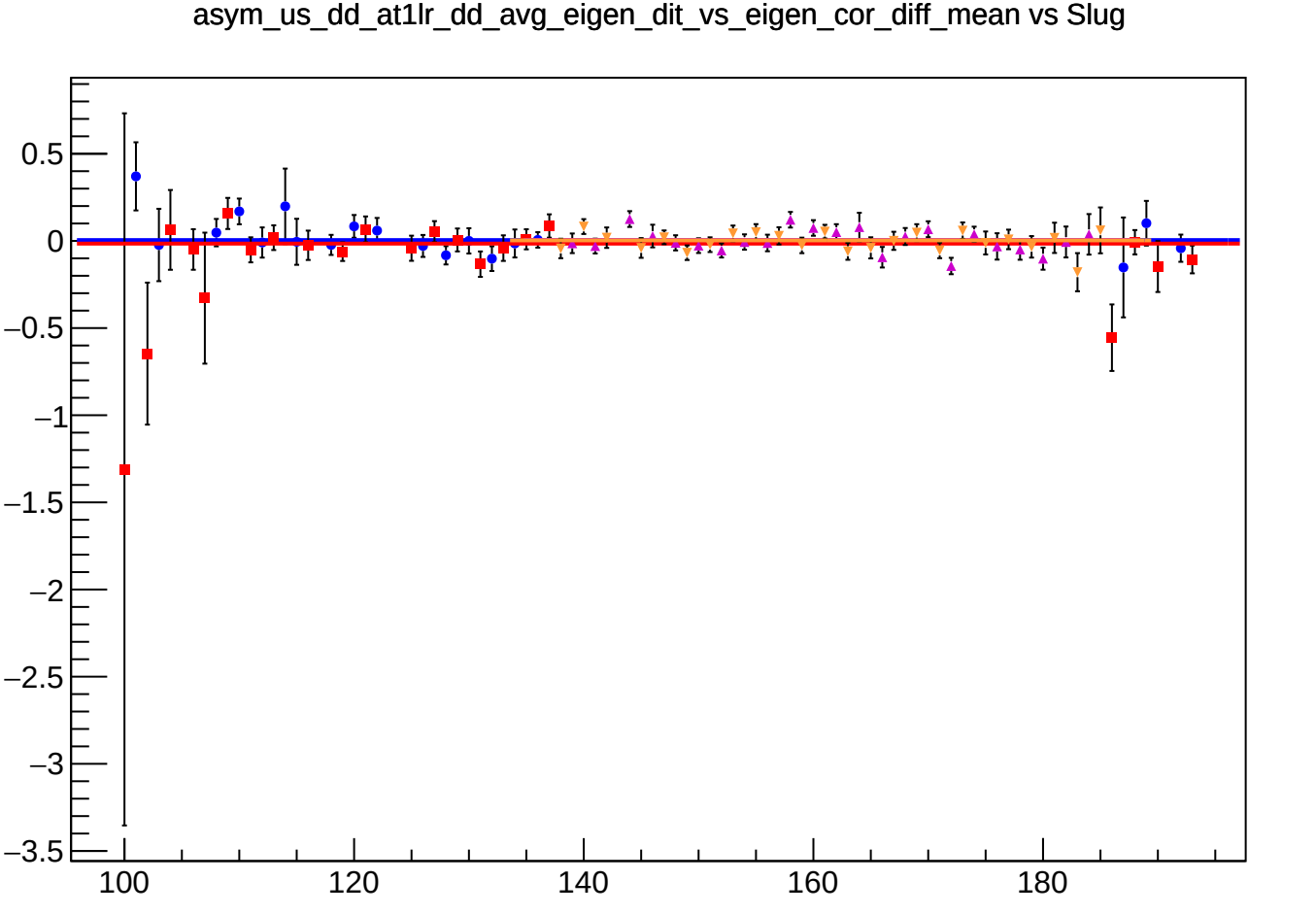
Right Out: 45.091+/-0.012 χ^2/NDF: 2138922.7/21

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 41.379+/-0.006 χ^2/NDF: 3558530.9/42

All: 41.770+/-0.004 χ^2/NDF: 6710108.3/87

- sign 42.168+/-0.006 χ^2/NDF: 3143844.5/44



Right In: 0.005+/-0.018 χ^2/NDF: 18.5/18

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

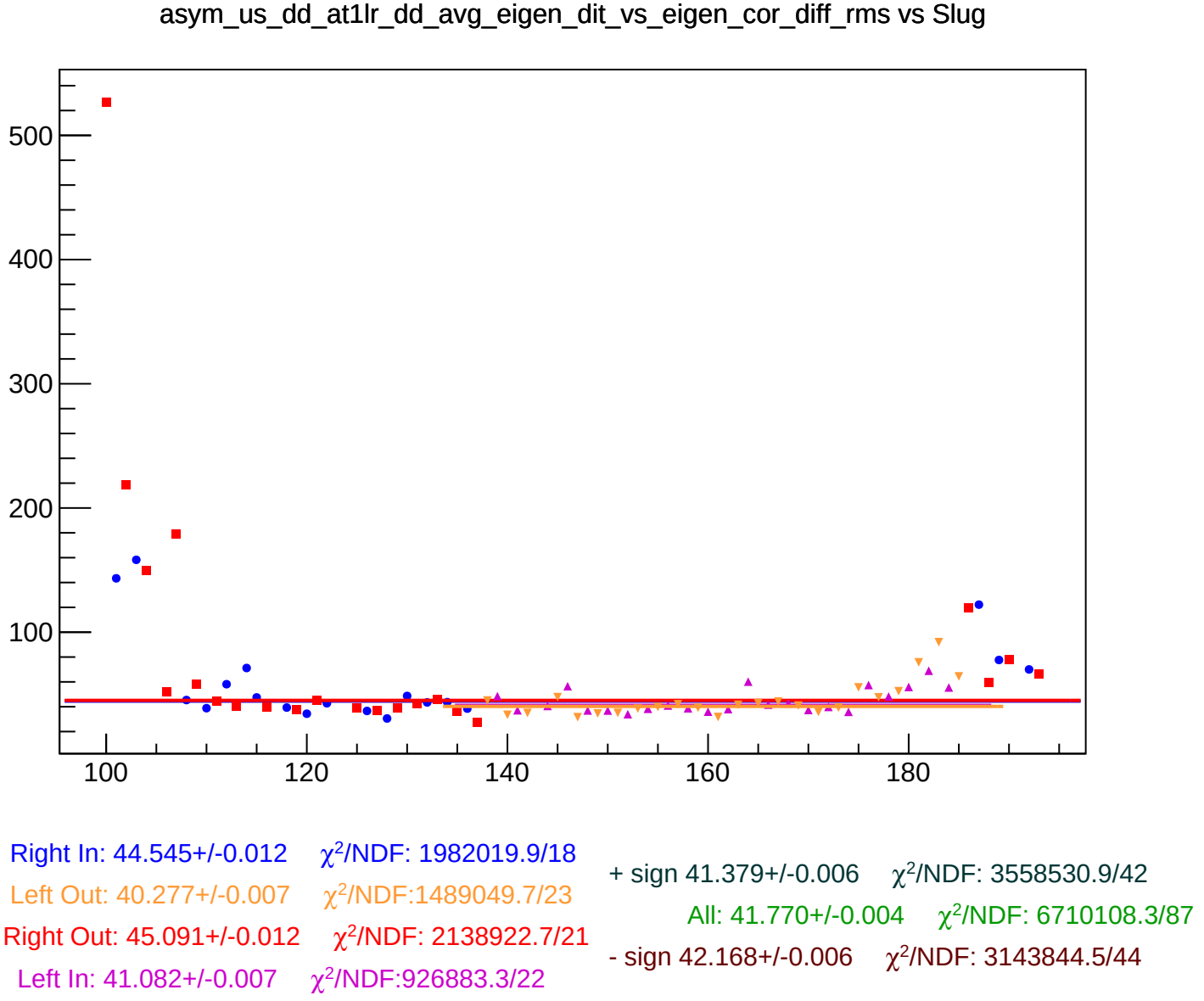
Right Out: -0.015+/-0.017 χ^2/NDF: 26.8/21

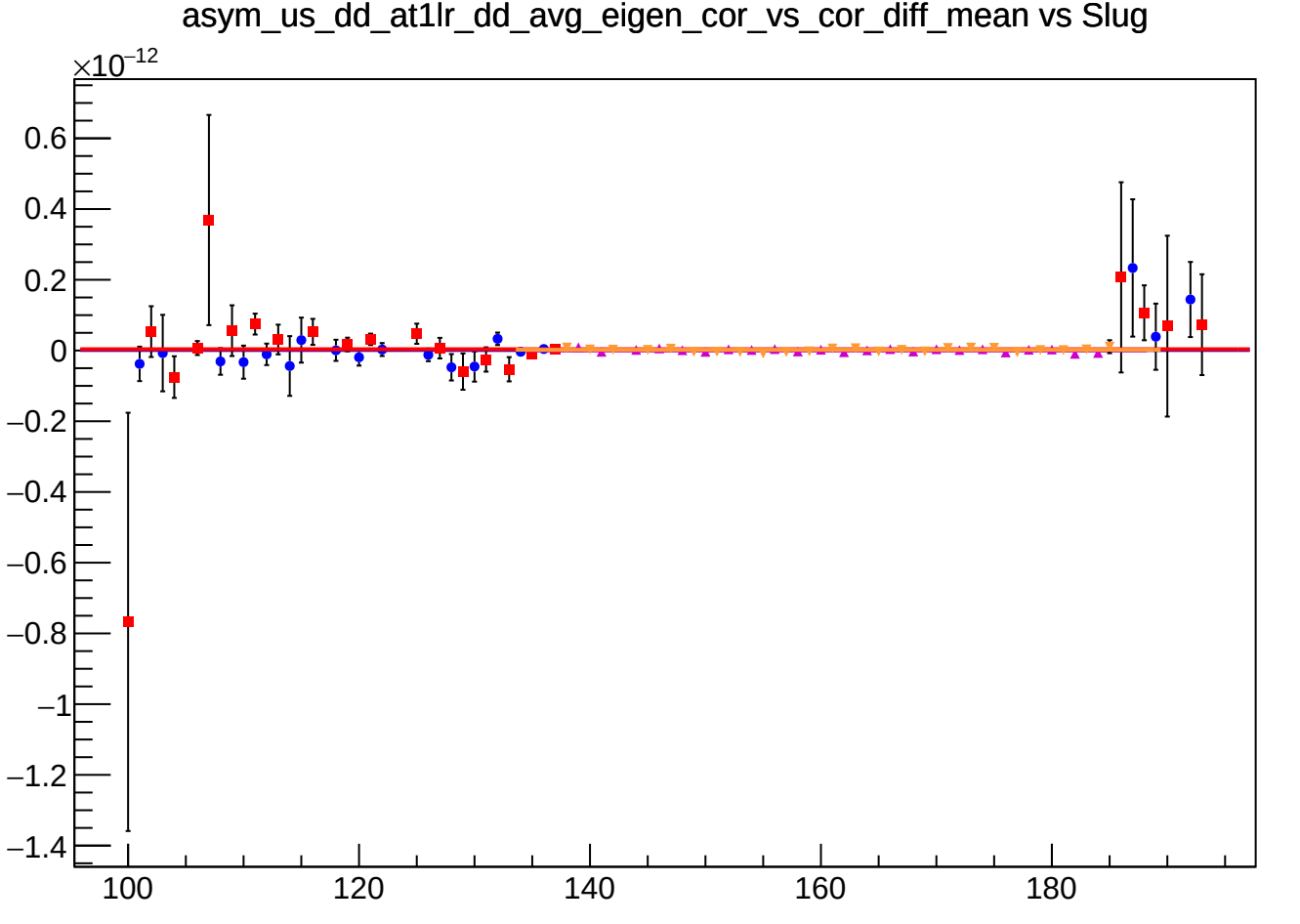
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/42

All: 0.002+/-0.006 χ^2/NDF: 109.7/87

- sign -0.000+/-0.009 χ^2/NDF: 69.3/44


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: 45.091+/-0.012 χ²/NDF: 2138922.7/21
Left In: 41.082+/-0.007 χ²/NDF:926883.3/22
+ sign 41.379+/-0.006 χ²/NDF: 3558530.9/42
All: 41.770+/-0.004 χ²/NDF: 6710108.3/87
- sign 42.168+/-0.006 χ²/NDF: 3143844.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

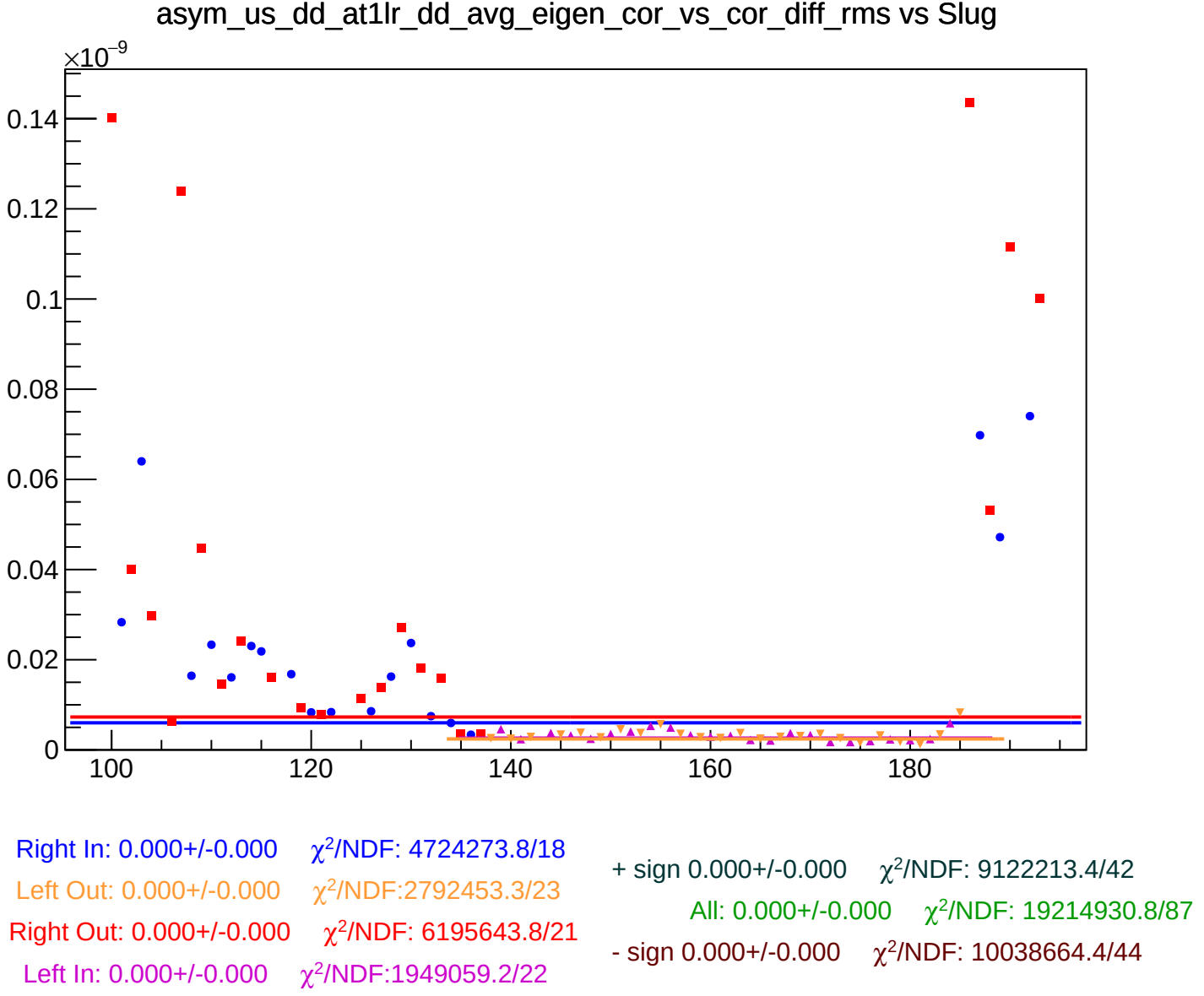
Right Out: 0.000+/-0.000 χ^2/NDF: 31.5/21

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

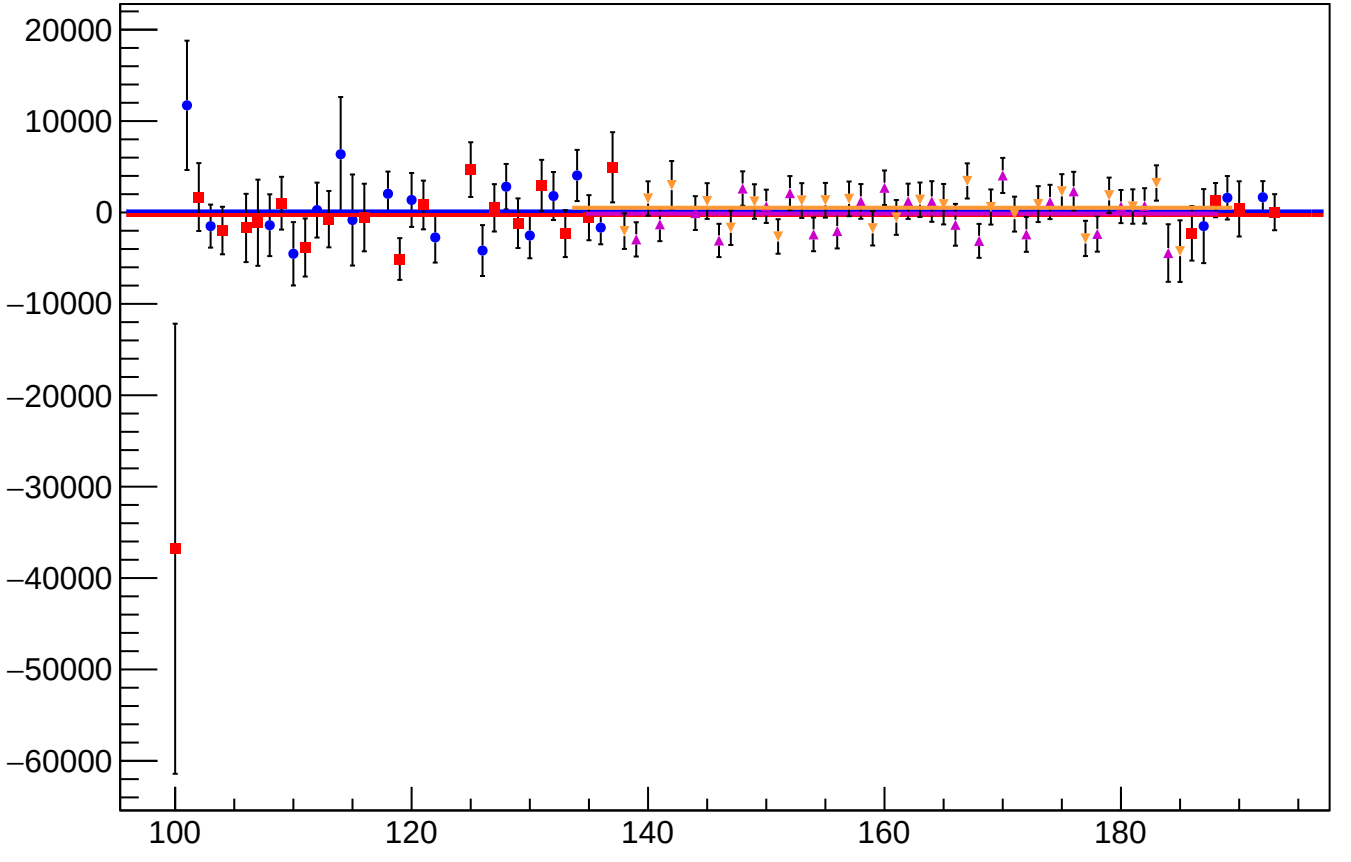
+ sign 0.000+/-0.000 χ^2/NDF: 39.1/42

All: 0.000+/-0.000 χ^2/NDF: 96.1/87

- sign 0.000+/-0.000 χ^2/NDF: 55.1/44


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: 6195643.8/21
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: 19214930.8/87
- sign 0.000+/-0.000 χ²/NDF: 10038664.4/44

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: -274.907+/-604.091 χ^2/NDF: 17.2/21

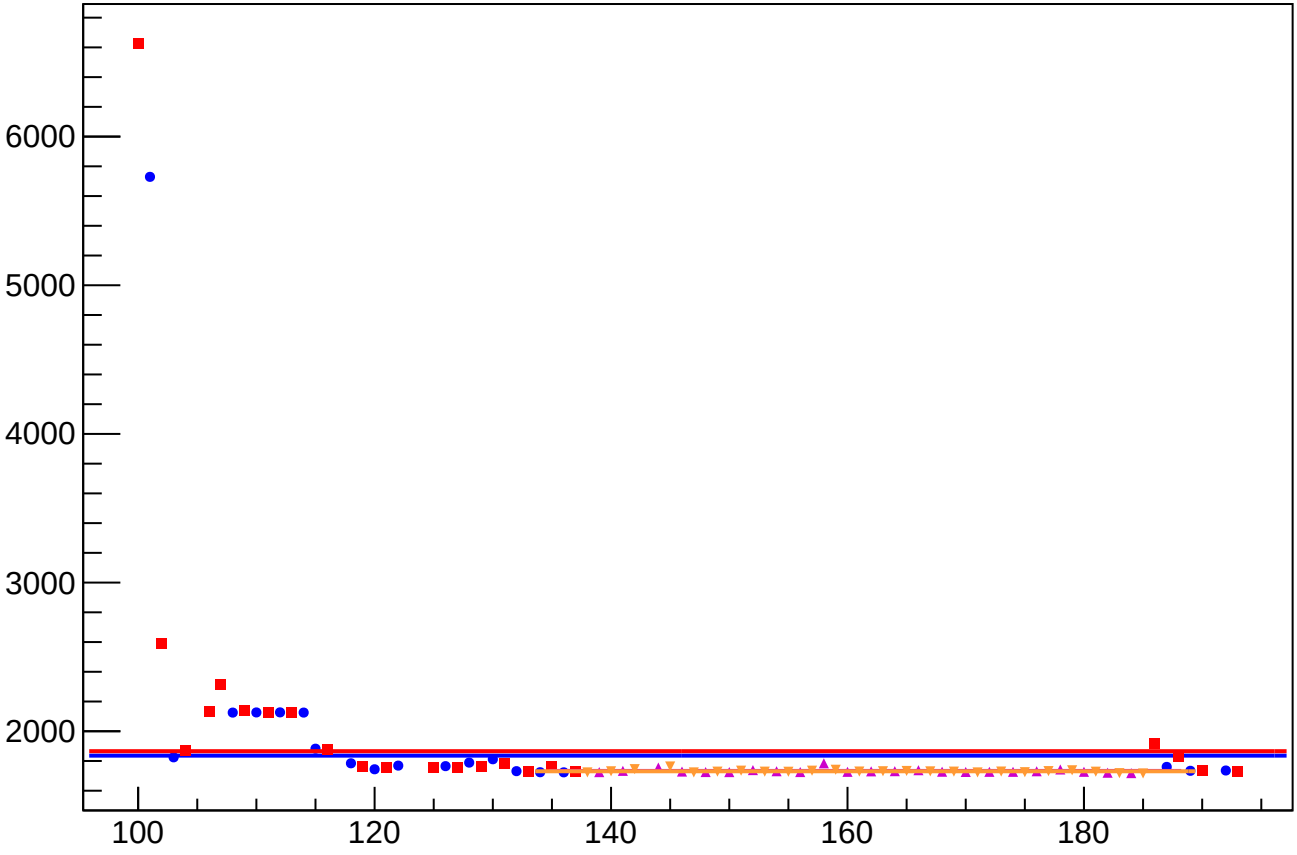
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 401.210+/-338.151 χ^2/NDF: 38.5/42

All: 112.863+/-238.410 χ^2/NDF: 86.6/87

- sign -172.138+/-336.183 χ^2/NDF: 46.7/44

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

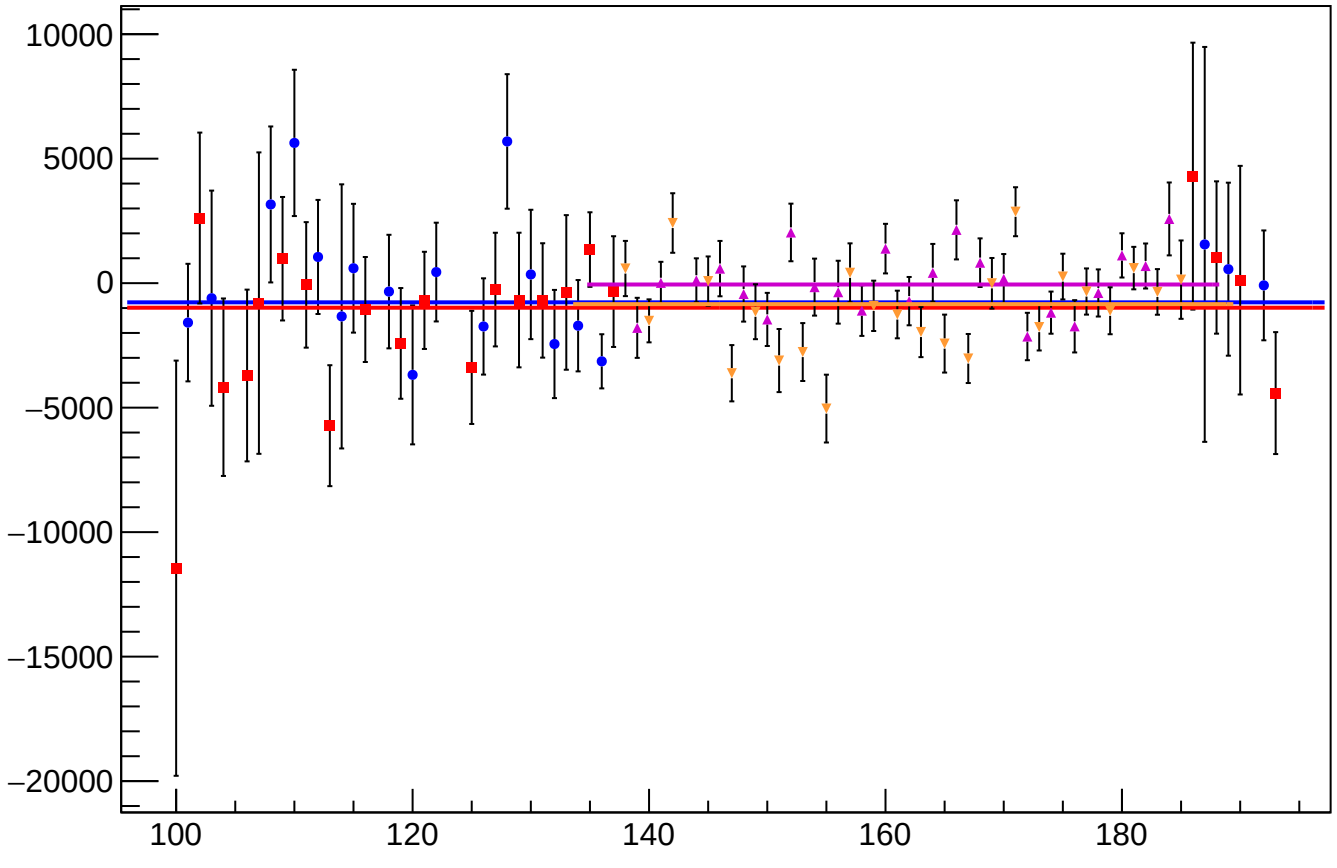
Right Out: 1865.923+/-0.427 χ^2/NDF: 268962.1/21

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1761.484+/-0.239 χ^2/NDF: 729411.0/42

All: 1767.865+/-0.169 χ^2/NDF: 1068863.3/87

- sign 1774.172+/-0.238 χ^2/NDF: 338036.2/44



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: -985.696+/-551.462 χ^2/NDF: 16.3/21

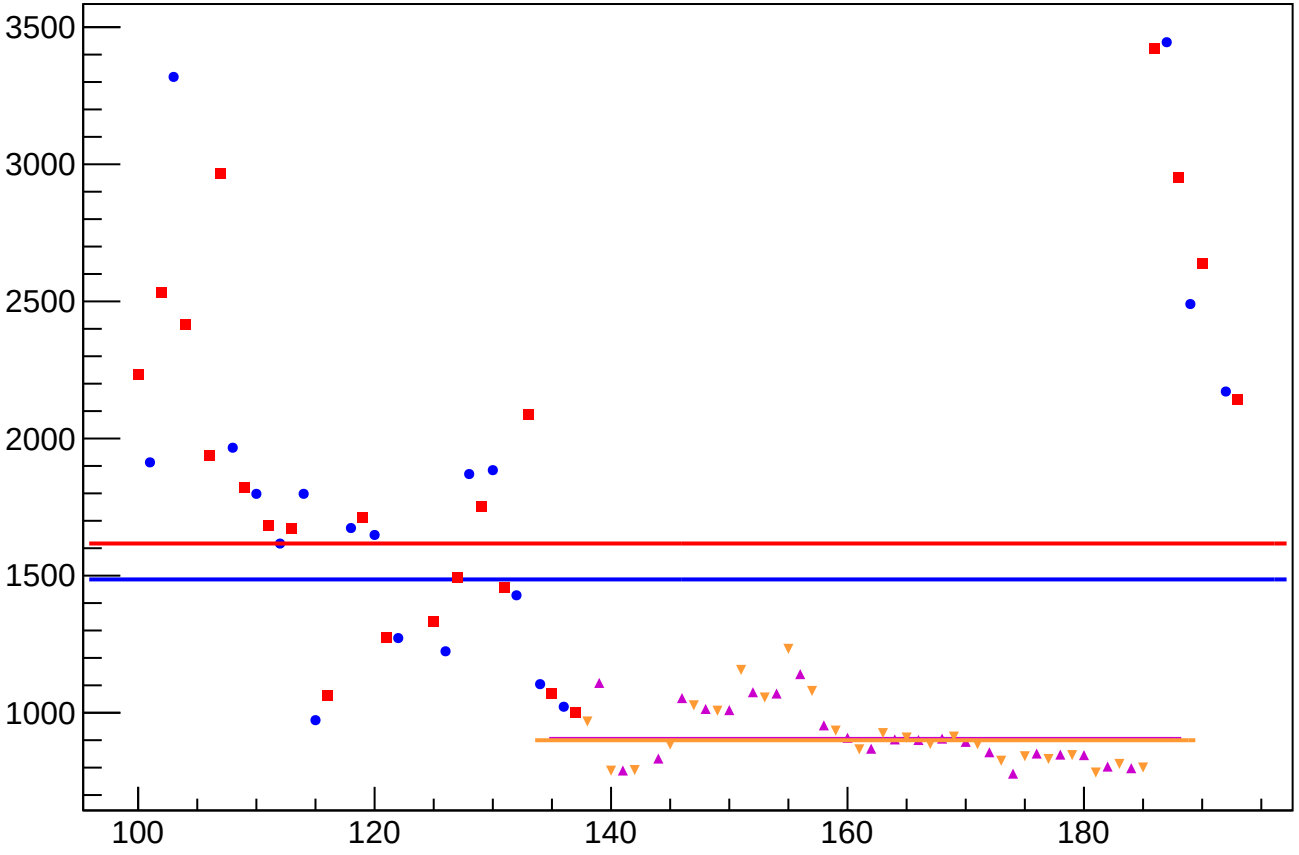
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

\+ sign -832.472+/-195.720 χ^2/NDF: 83.7/42

All: -508.566+/-139.425 χ^2/NDF: 138.7/87

\- sign -174.836+/-198.666 χ^2/NDF: 49.5/44

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: 1617.211+/-0.390 χ^2/NDF: 1907771.9/21

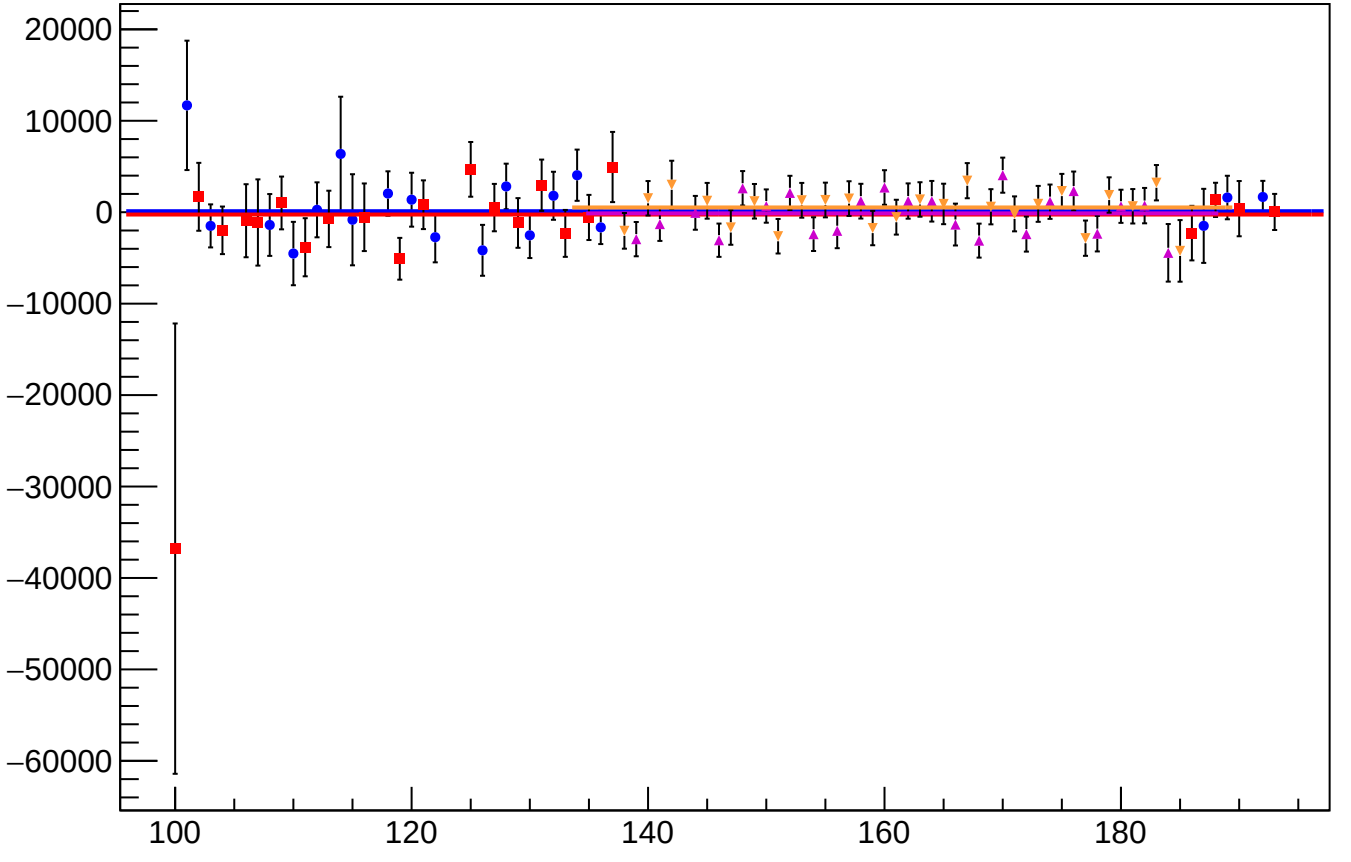
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 980.959+/-0.138 χ^2/NDF: 4325020.1/42

All: 988.925+/-0.099 χ^2/NDF: 9597561.3/87

- sign 997.134+/-0.140 χ^2/NDF: 5265813.3/44

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: -253.078+/-605.083 χ^2/NDF: 17.1/21

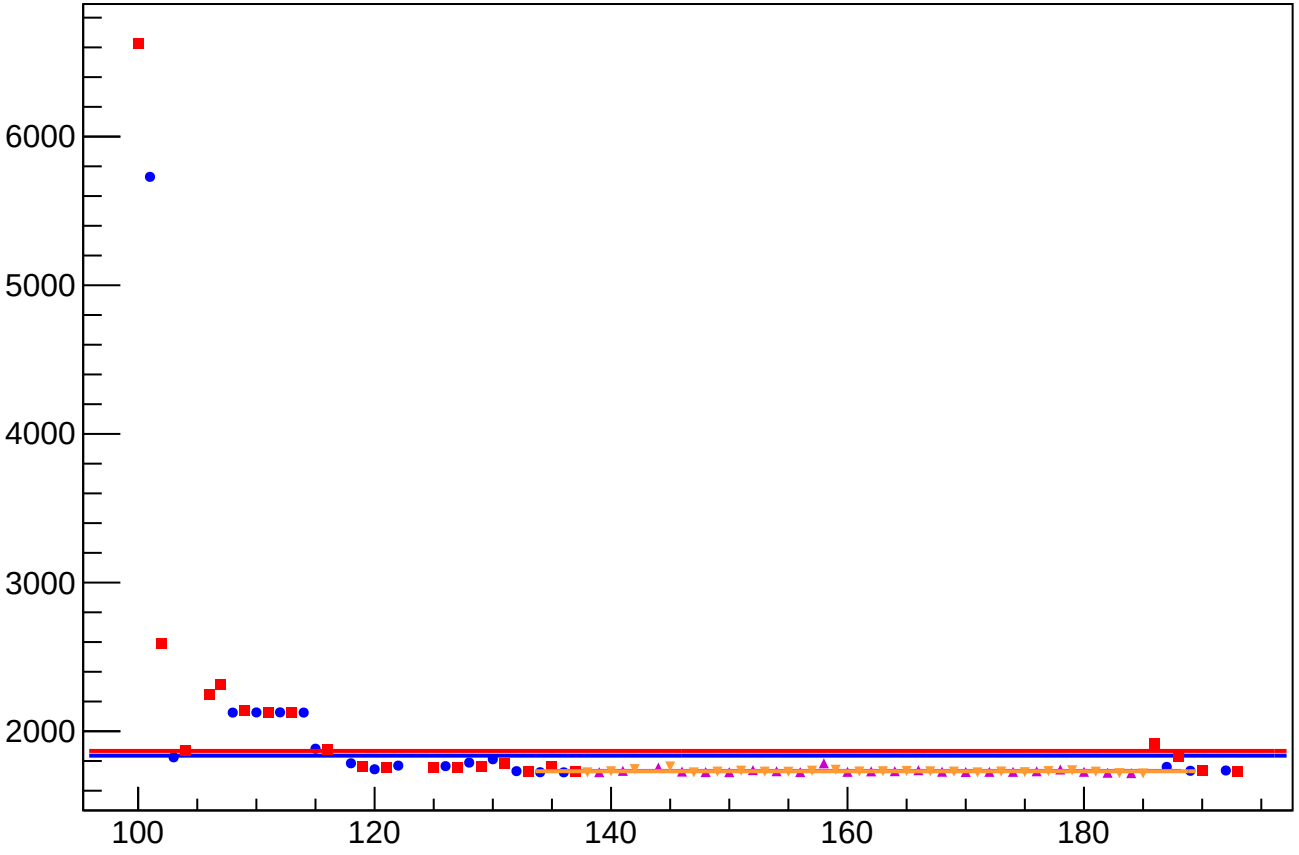
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 401.057+/-338.151 χ^2/NDF: 38.4/42

All: 116.354+/-238.471 χ^2/NDF: 86.4/87

- sign -165.331+/-336.354 χ^2/NDF: 46.6/44

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

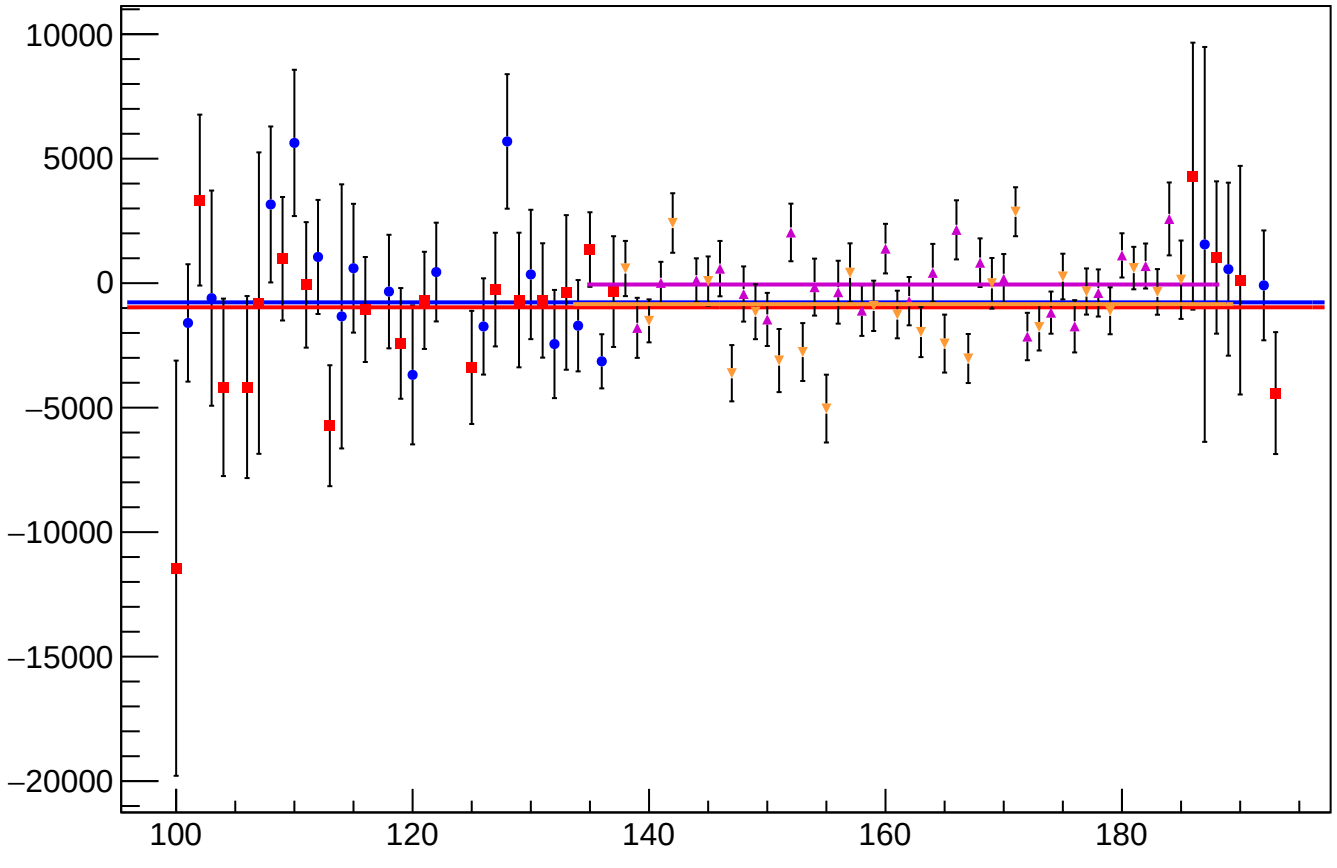
Right Out: 1867.725+/-0.428 χ^2/NDF: 277173.8/21

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1761.484+/-0.239 χ^2/NDF: 729410.9/42

All: 1768.095+/-0.169 χ^2/NDF: 1078848.2/87

- sign 1774.635+/-0.238 χ^2/NDF: 347916.7/44



Right In: -771.185+/-526.095 χ^2/NDF: 21.0/18

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

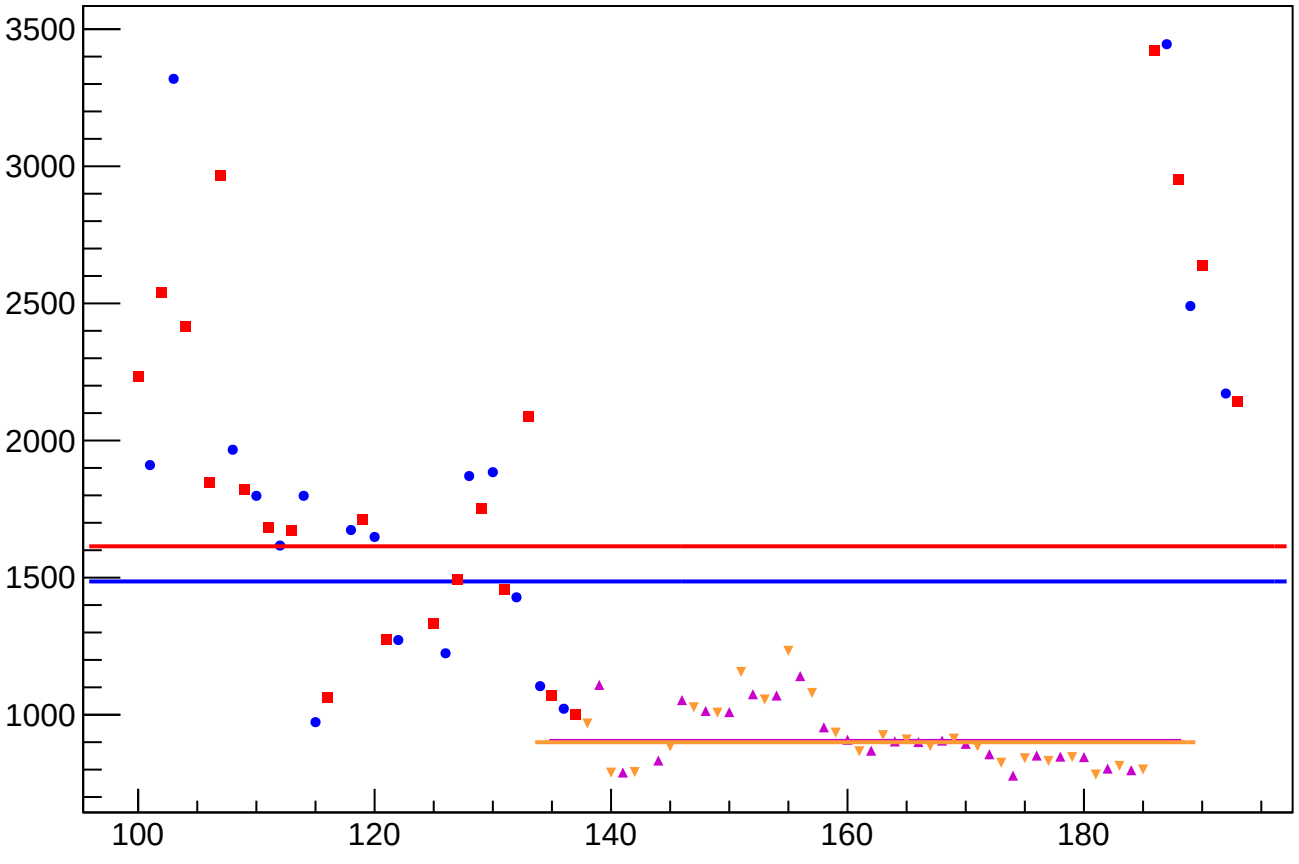
Right Out: -970.187+/-552.235 χ^2/NDF: 17.0/21

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -832.606+/-195.719 χ^2/NDF: 83.7/42

All: -507.571+/-139.437 χ^2/NDF: 139.3/87

- sign -172.551+/-198.702 χ^2/NDF: 50.0/44



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: 1614.283+/-0.390 χ^2/NDF: 1899871.0/21

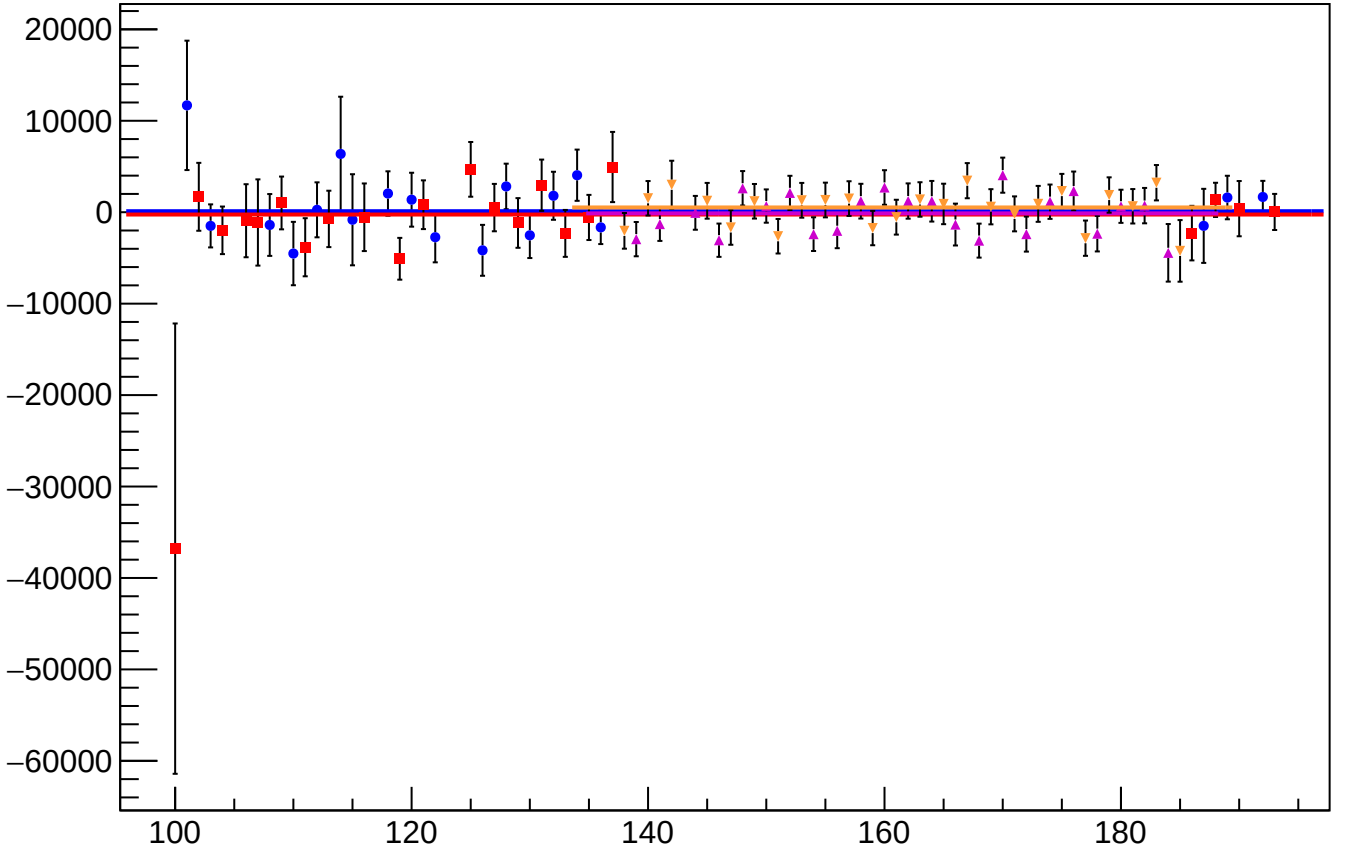
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 980.960+/-0.138 χ^2/NDF: 4324053.3/42

All: 988.625+/-0.099 χ^2/NDF: 9557368.3/87

- sign 996.526+/-0.141 χ^2/NDF: 5227085.5/44

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: -253.078+/-605.083 χ^2/NDF: 17.1/21

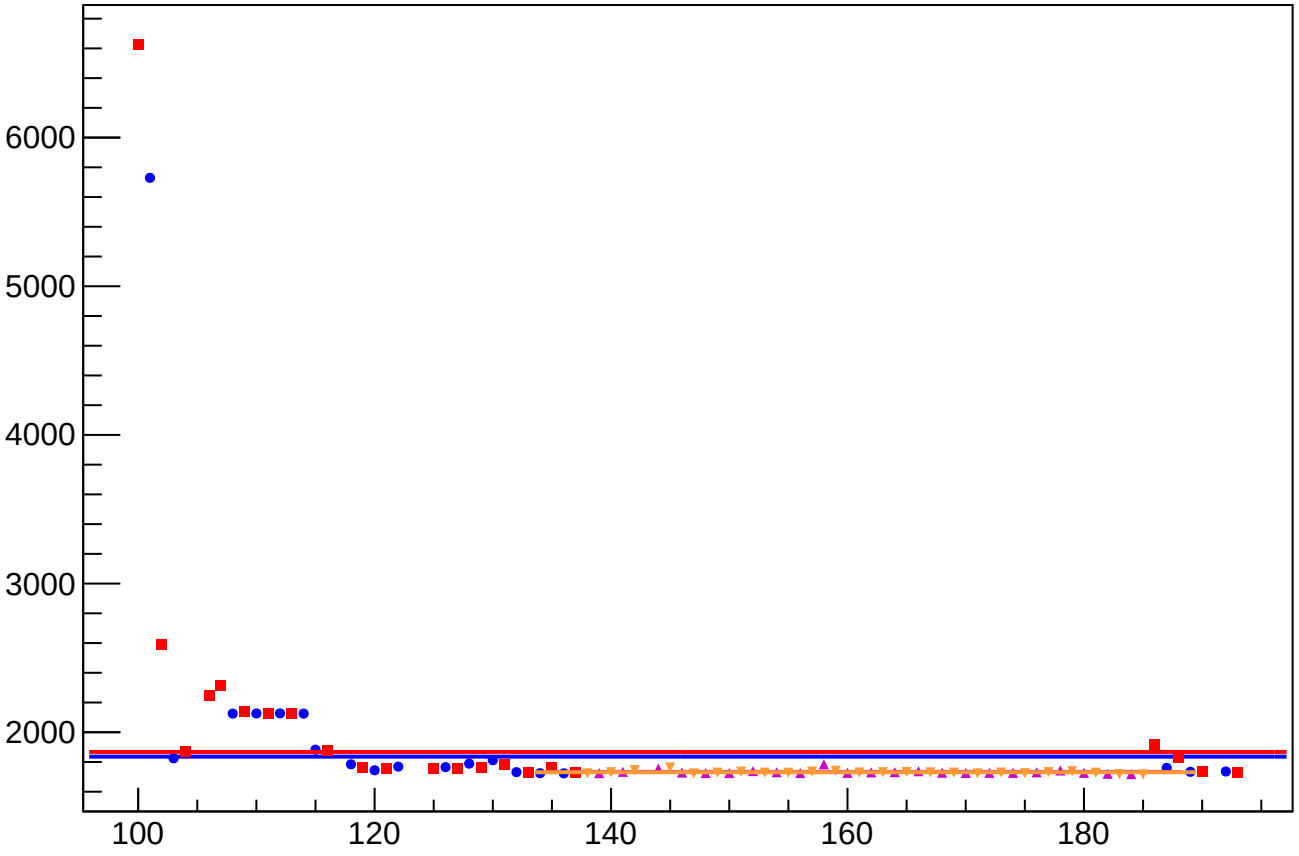
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 401.057+/-338.151 χ^2/NDF: 38.4/42

All: 116.354+/-238.471 χ^2/NDF: 86.4/87

- sign -165.331+/-336.354 χ^2/NDF: 46.6/44

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

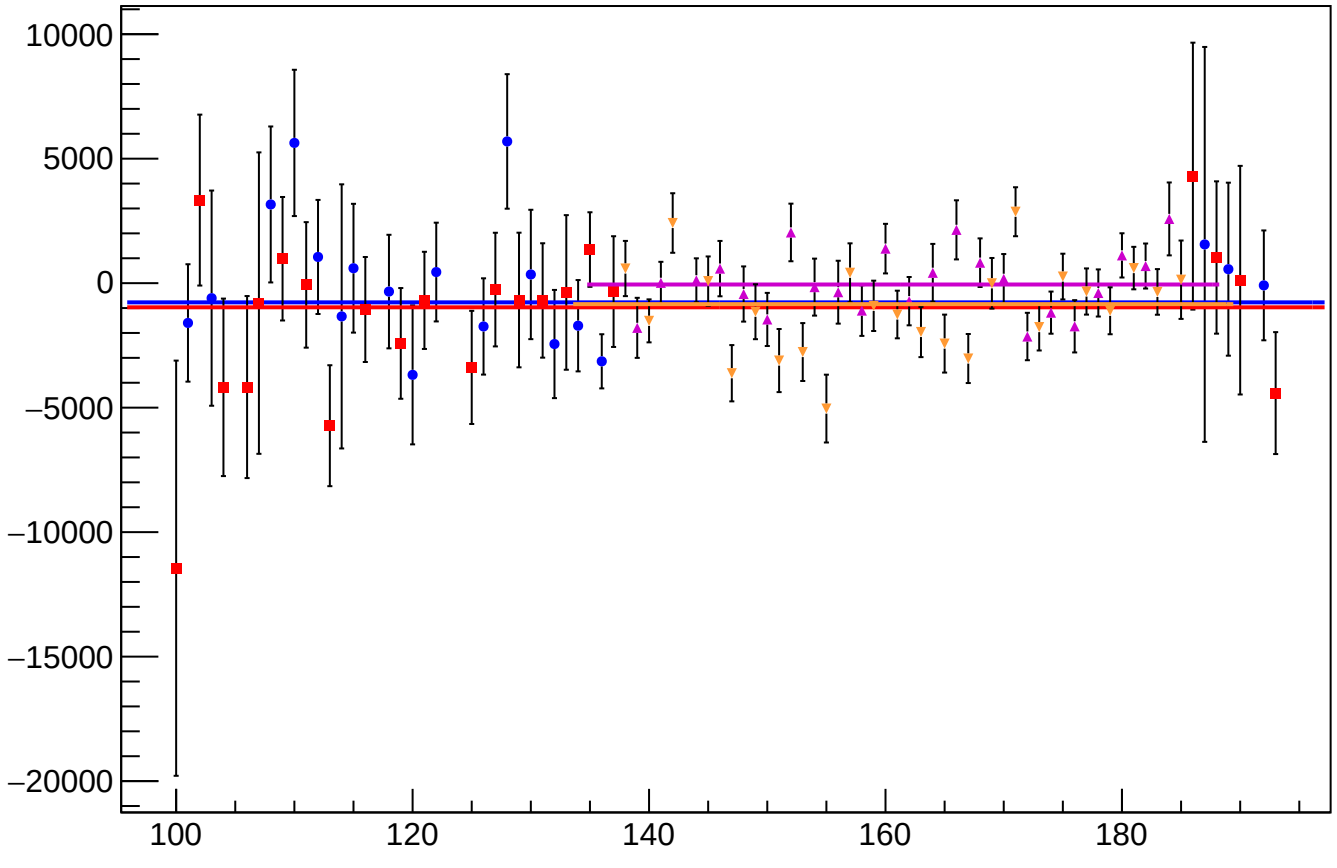
Right Out: 1867.725+/-0.428 χ^2/NDF: 277173.8/21

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1761.484+/-0.239 χ^2/NDF: 729410.9/42

All: 1768.095+/-0.169 χ^2/NDF: 1078848.2/87

- sign 1774.635+/-0.238 χ^2/NDF: 347916.7/44



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: -970.187+/-552.235 χ^2/NDF: 17.0/21

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -832.606+/-195.719 χ^2/NDF: 83.7/42

All: -507.571+/-139.437 χ^2/NDF: 139.3/87

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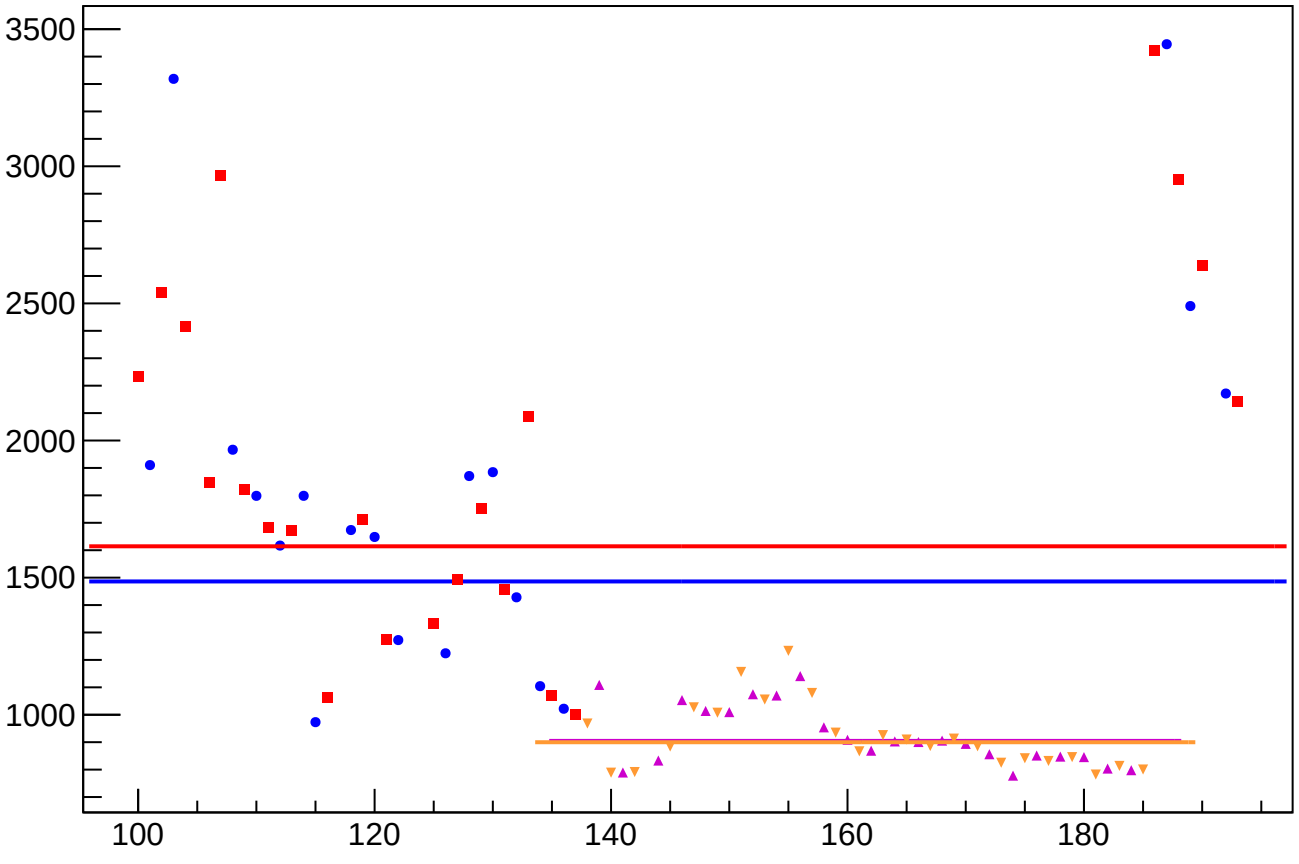

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Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

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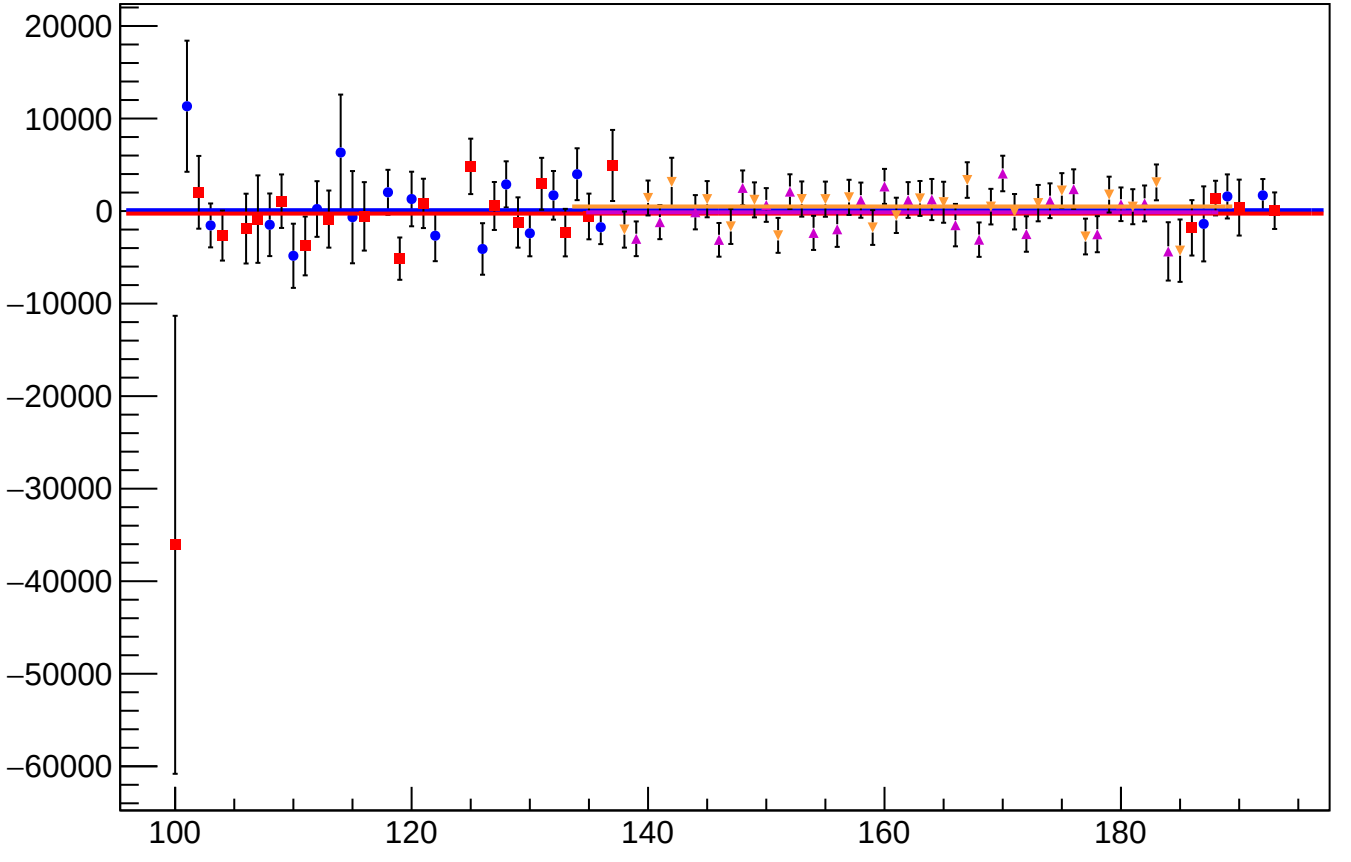
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 980.960+/-0.138 χ^2/NDF: 4324053.3/42

All: 988.625+/-0.099 χ^2/NDF: 9557368.3/87

- sign 996.526+/-0.141 χ^2/NDF: 5227085.5/44

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: -274.700+/-606.679 χ^2/NDF: 17.7/21

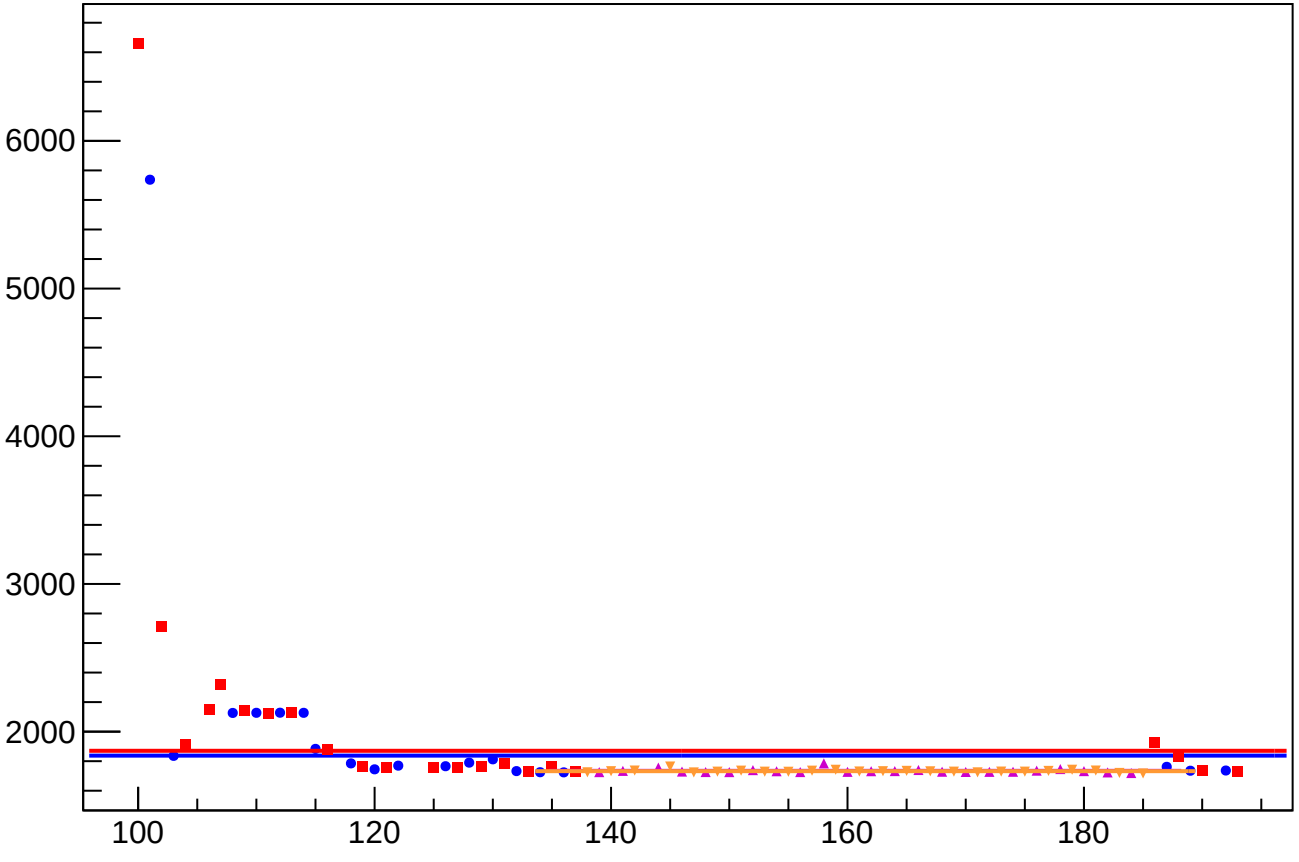
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 378.396+/-338.471 χ^2/NDF: 37.6/42

All: 98.068+/-238.755 χ^2/NDF: 86.2/87

- sign -179.560+/-336.837 χ^2/NDF: 47.2/44

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

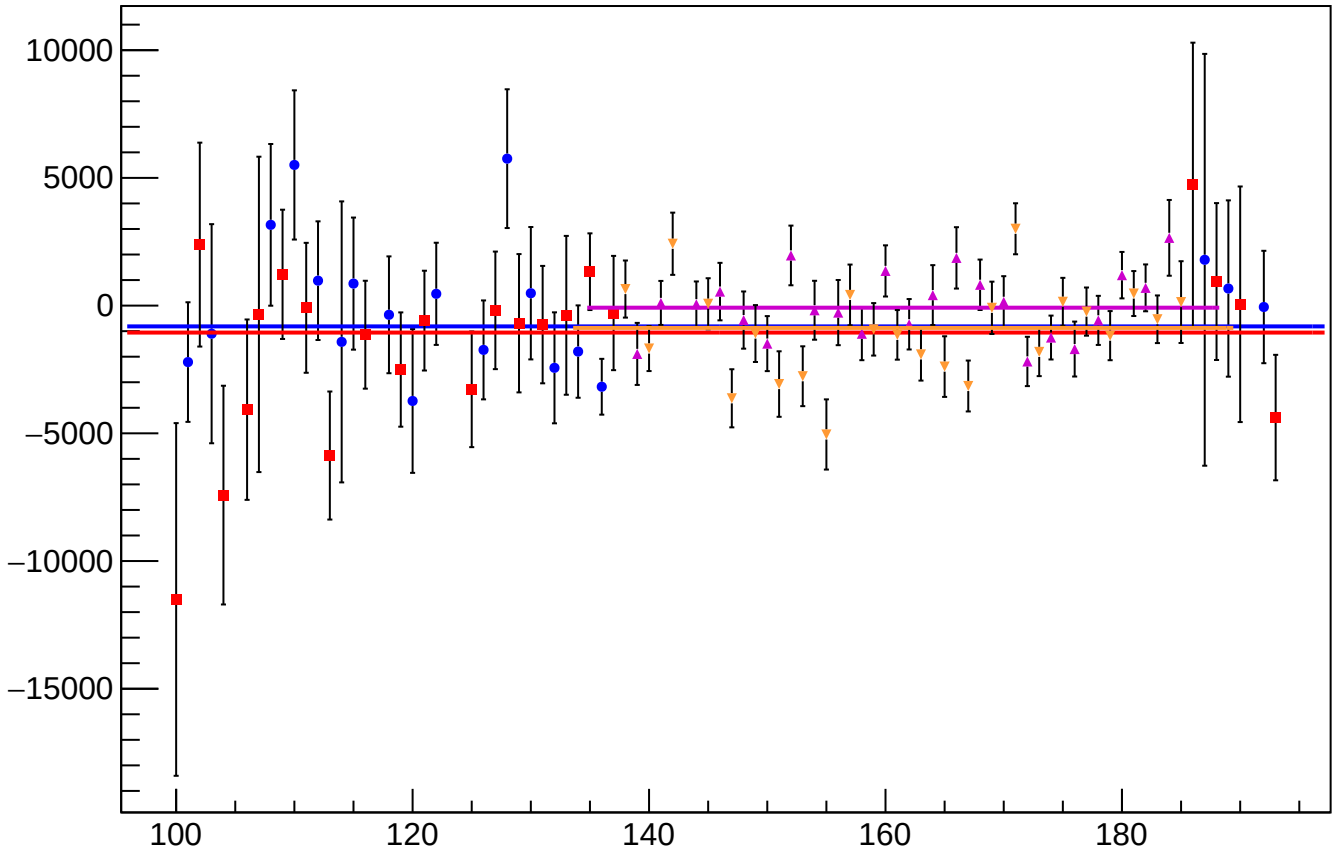
Right Out: 1870.346+/-0.429 χ^2/NDF: 287724.5/21

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1763.055+/-0.239 χ^2/NDF: 729843.1/42

All: 1769.772+/-0.169 χ^2/NDF: 1090647.8/87

- sign 1776.424+/-0.238 χ^2/NDF: 359237.1/44



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: -1055.581+/-558.295 χ^2/NDF: 18.3/21

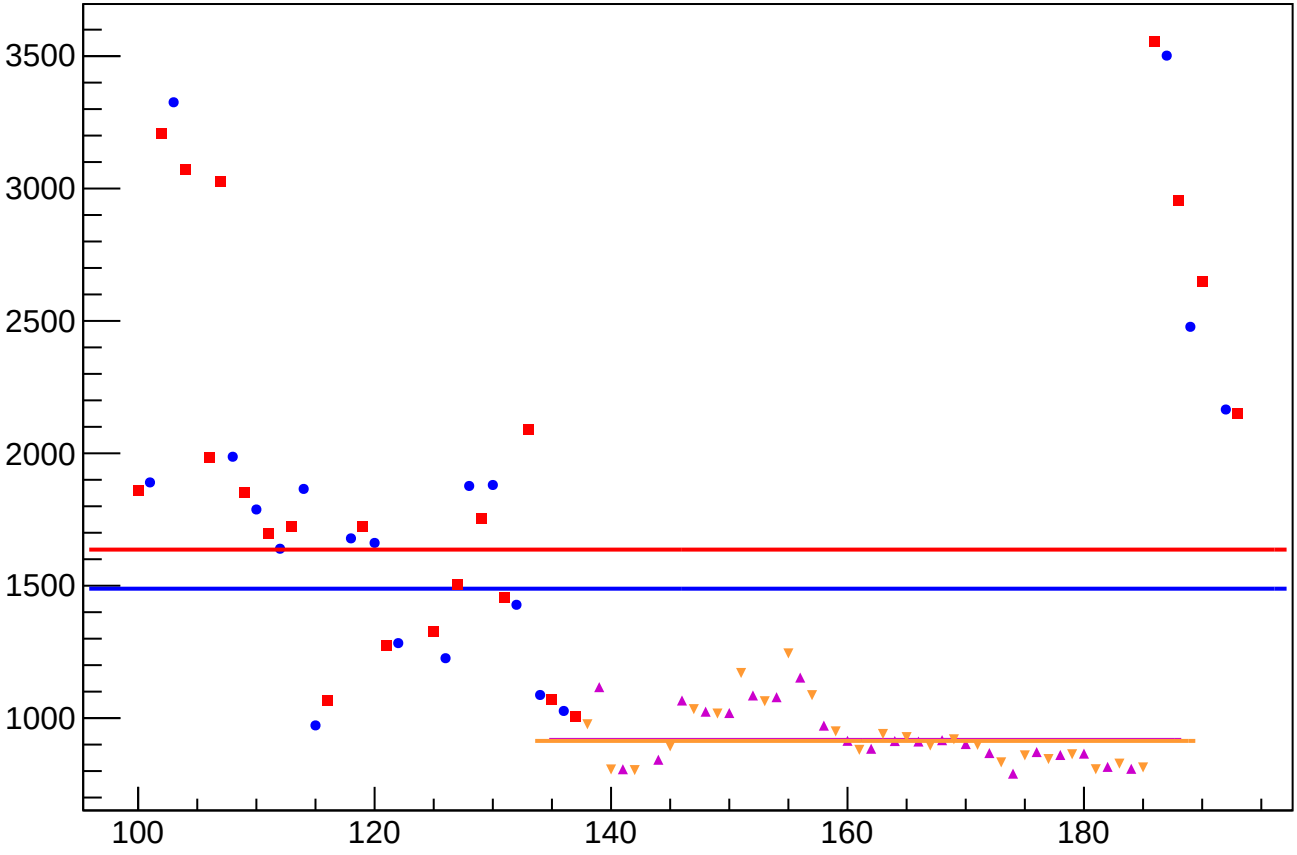
Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -864.423+/-198.278 χ^2/NDF: 83.4/42

All: -541.426+/-141.287 χ^2/NDF: 139.8/87

- sign -208.251+/-201.378 χ^2/NDF: 50.9/44

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: 1636.367+/-0.395 χ^2/NDF: 2229046.4/21

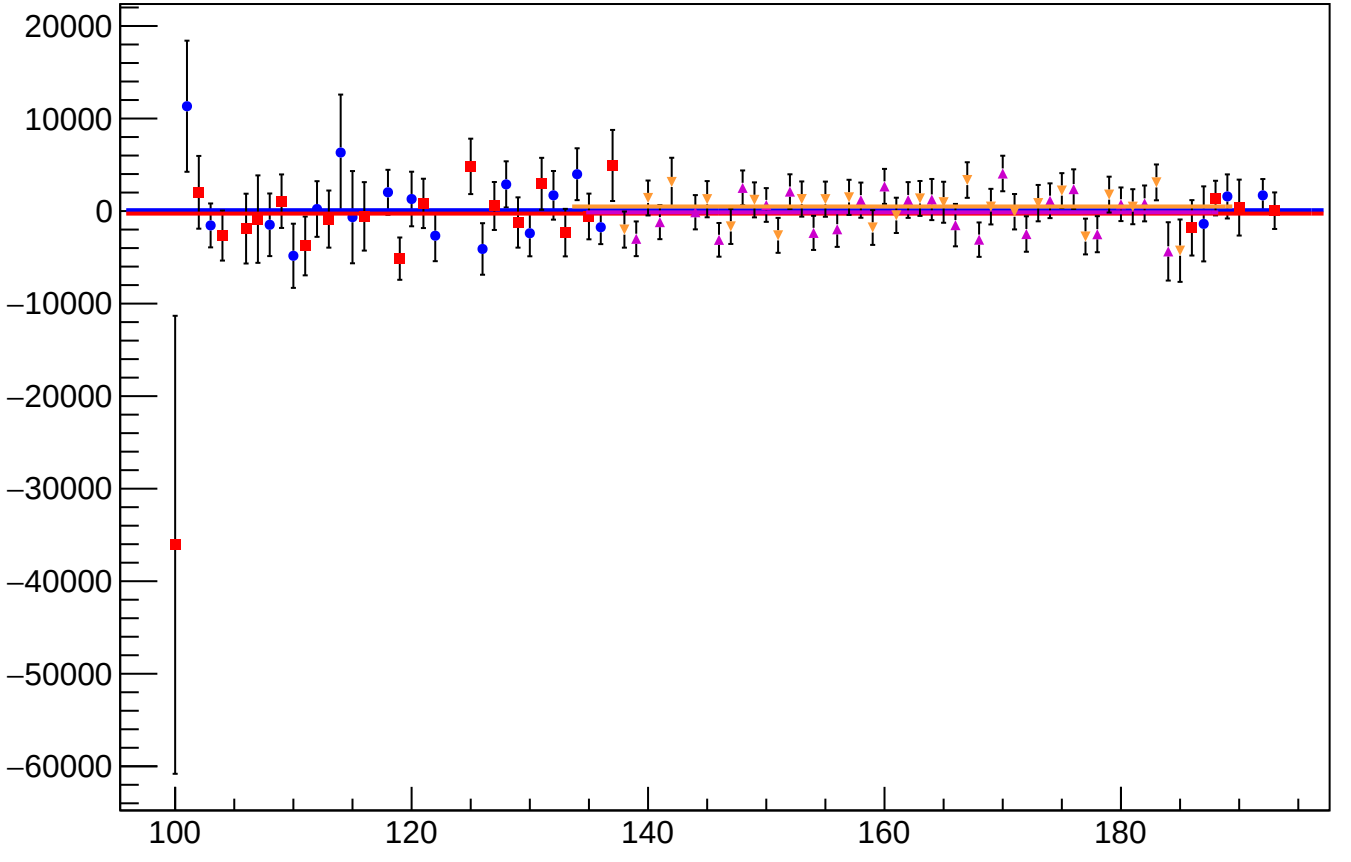
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 995.296+/-0.140 χ^2/NDF: 4201124.9/42

All: 1003.115+/-0.100 χ^2/NDF: 9750059.1/87

- sign 1011.180+/-0.142 χ^2/NDF: 5542615.6/44

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: -274.698+/-606.679 χ^2/NDF: 17.7/21

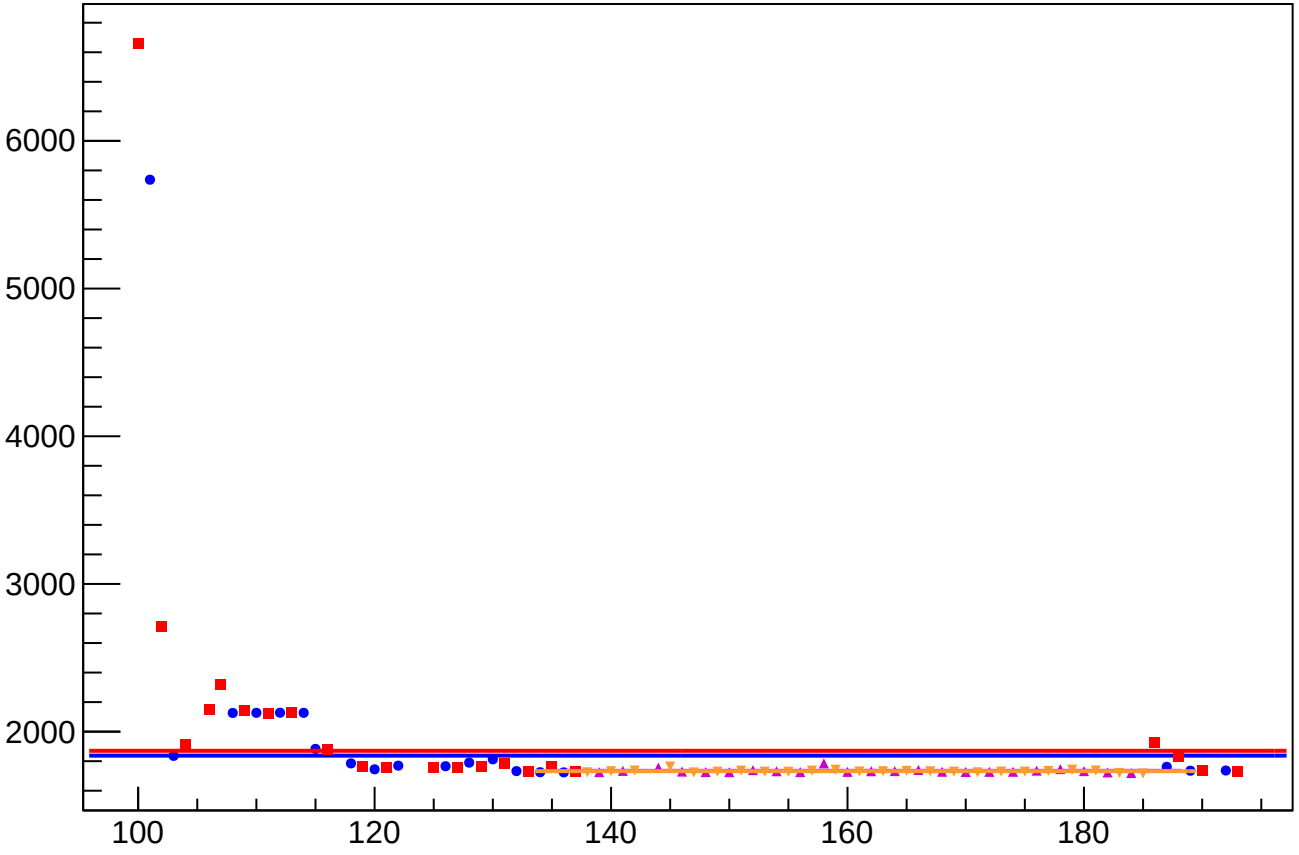
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 378.396+/-338.471 χ^2/NDF: 37.6/42

All: 98.068+/-238.755 χ^2/NDF: 86.2/87

- sign -179.560+/-336.837 χ^2/NDF: 47.2/44

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

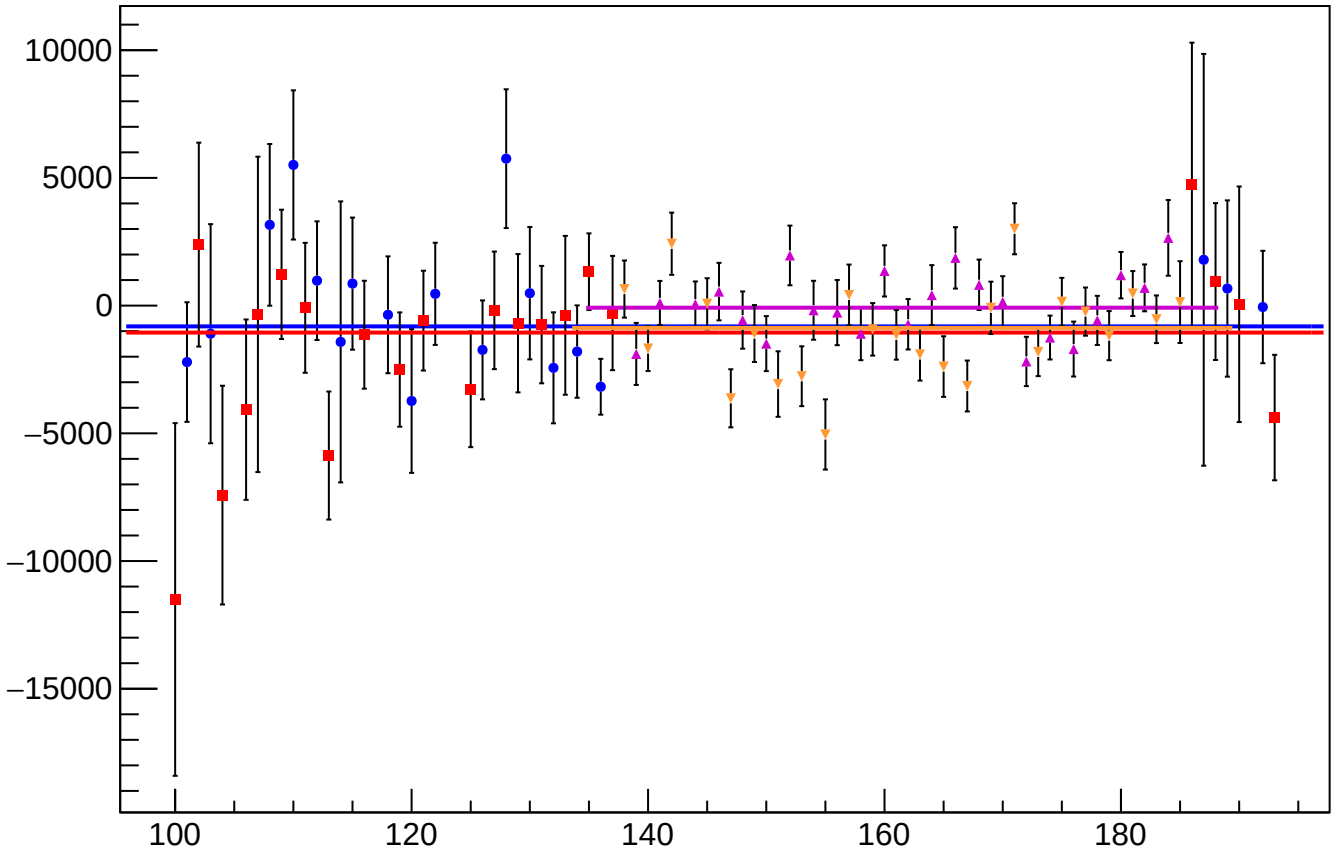
Right Out: 1870.346+/-0.429 χ^2/NDF: 287724.3/21

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1763.055+/-0.239 χ^2/NDF: 729843.1/42

All: 1769.772+/-0.169 χ^2/NDF: 1090647.5/87

- sign 1776.424+/-0.238 χ^2/NDF: 359236.8/44



Right In: -813.468+/-526.924 χ^2/NDF: 21.4/18

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

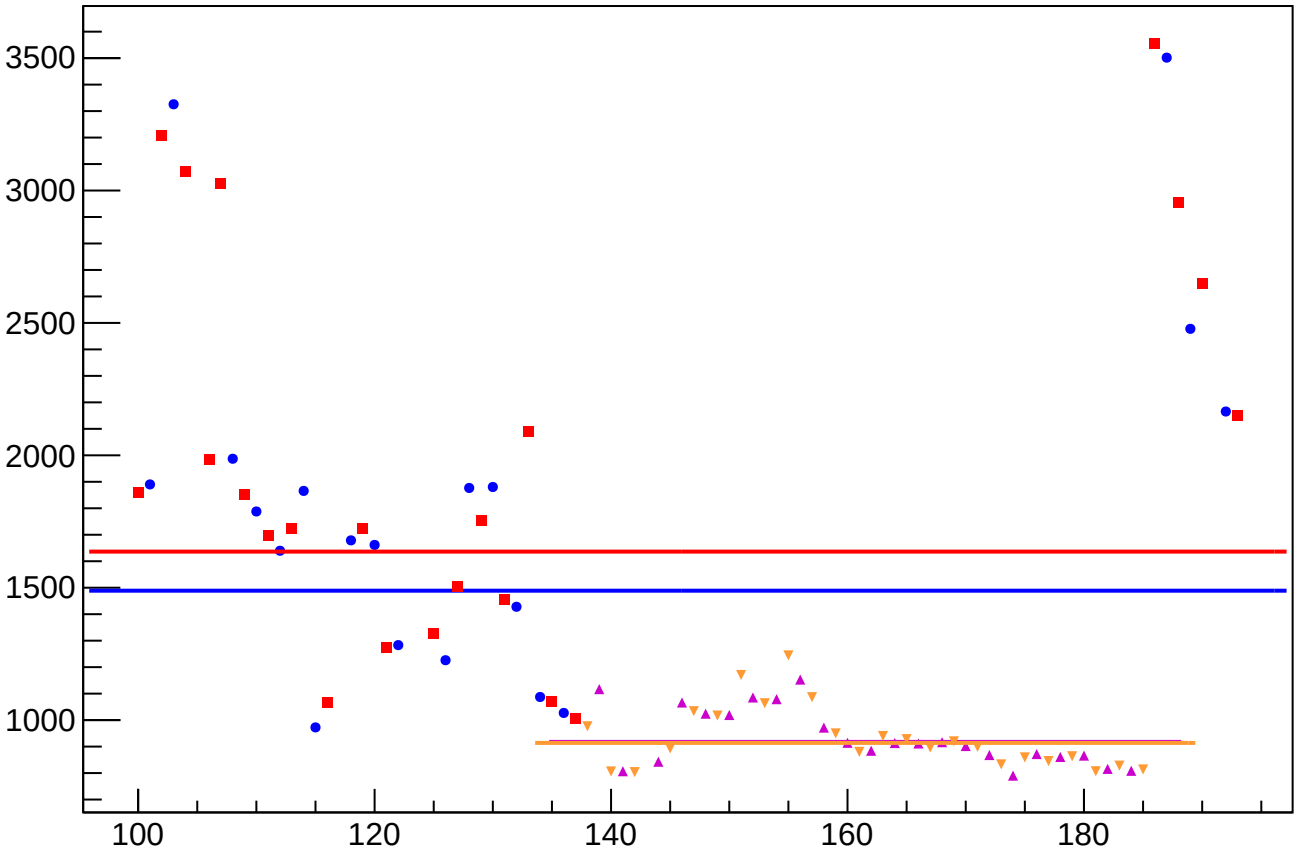
Right Out: -1055.580+/-558.294 χ^2/NDF: 18.3/21

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -864.421+/-198.278 χ^2/NDF: 83.4/42

All: -541.425+/-141.287 χ^2/NDF: 139.8/87

- sign -208.250+/-201.378 χ^2/NDF: 50.9/44



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: 1636.364+/-0.395 χ^2/NDF: 2229050.4/21

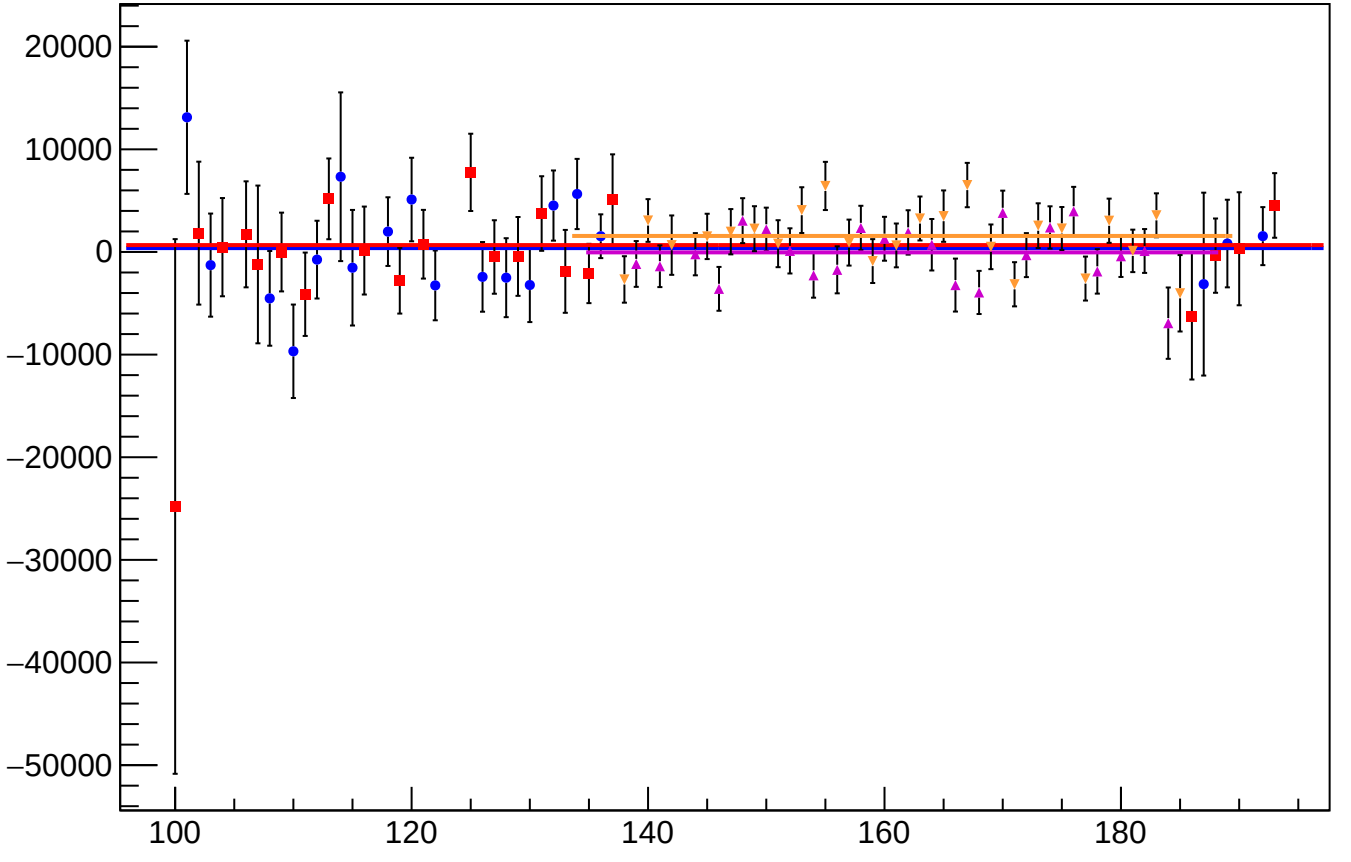
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 995.295+/-0.140 χ^2/NDF: 4201119.1/42

All: 1003.114+/-0.100 χ^2/NDF: 9750056.5/87

- sign 1011.180+/-0.142 χ^2/NDF: 5542618.8/44

asym_us_dd_at1lr_dd_dd_mean vs Slug



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: 670.018+/-872.034 χ^2/NDF: 14.6/21

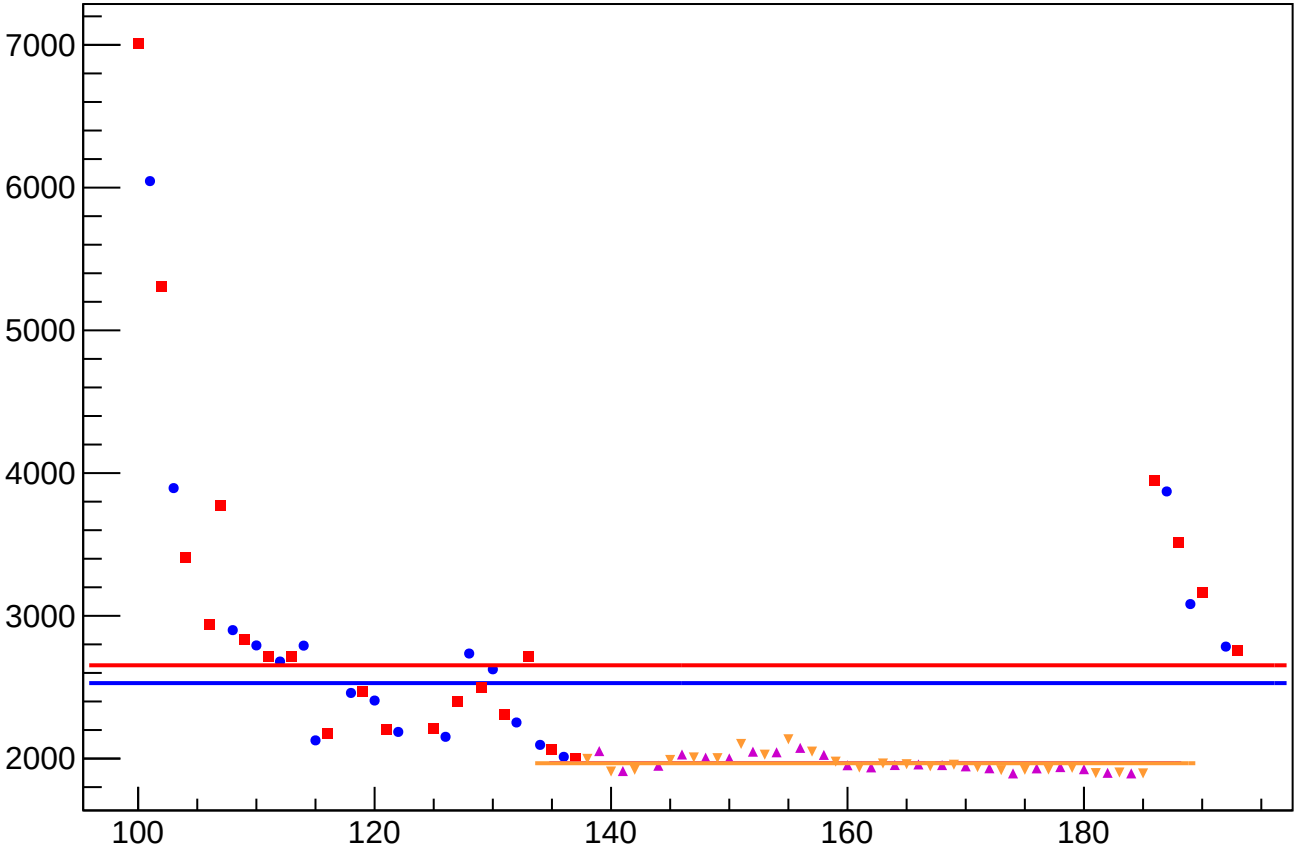
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1305.442+/-404.549 χ^2/NDF: 52.1/42

All: 713.363+/-286.859 χ^2/NDF: 99.3/87

- sign 114.618+/-406.820 χ^2/NDF: 42.9/44

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

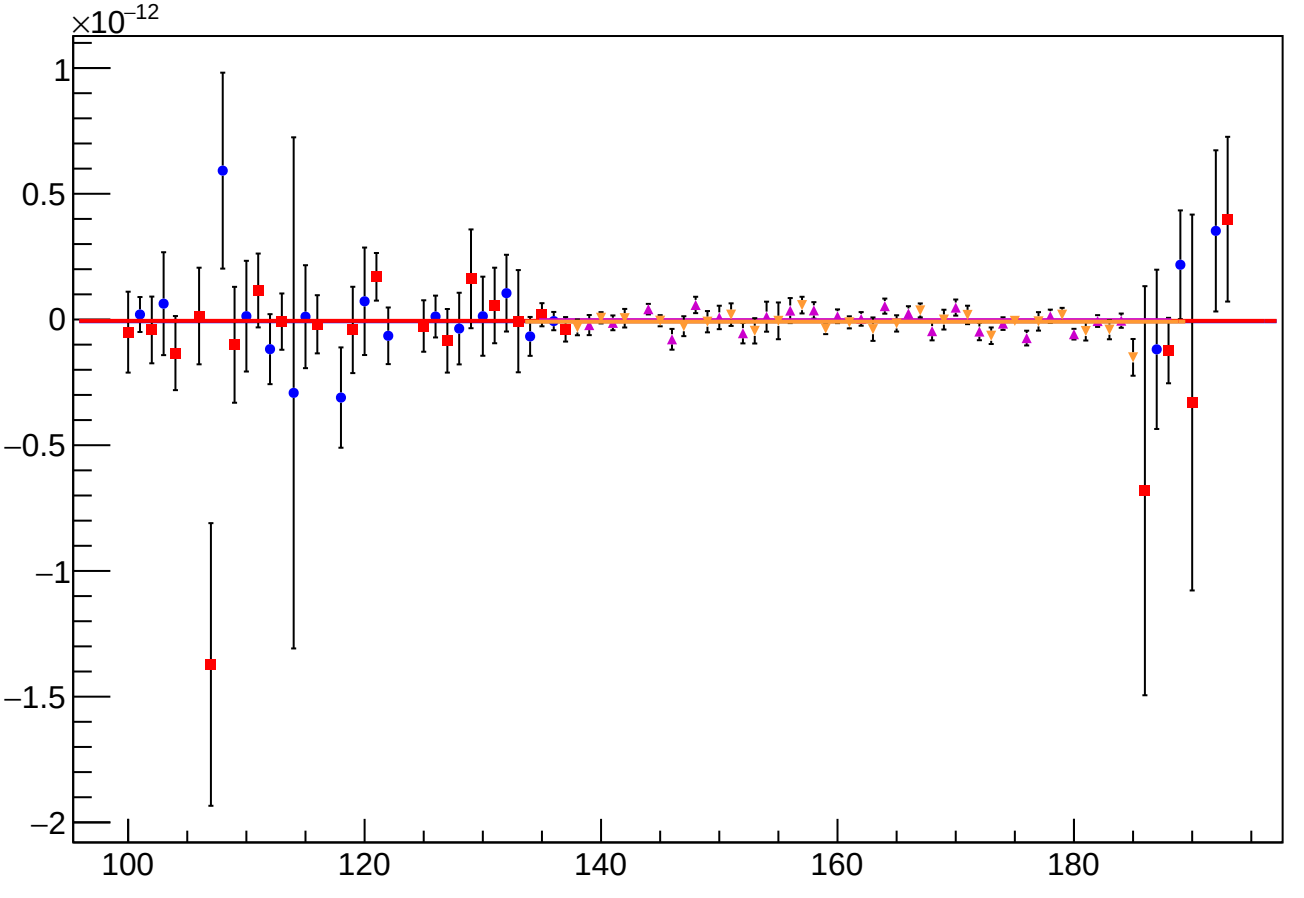
Right Out: 2653.527+/-0.617 χ^2/NDF: 923962.6/21

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2088.638+/-0.286 χ^2/NDF: 1625634.6/42

All: 2103.236+/-0.203 χ^2/NDF: 3545465.6/87

- sign 2117.998+/-0.288 χ^2/NDF: 1914593.2/44



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

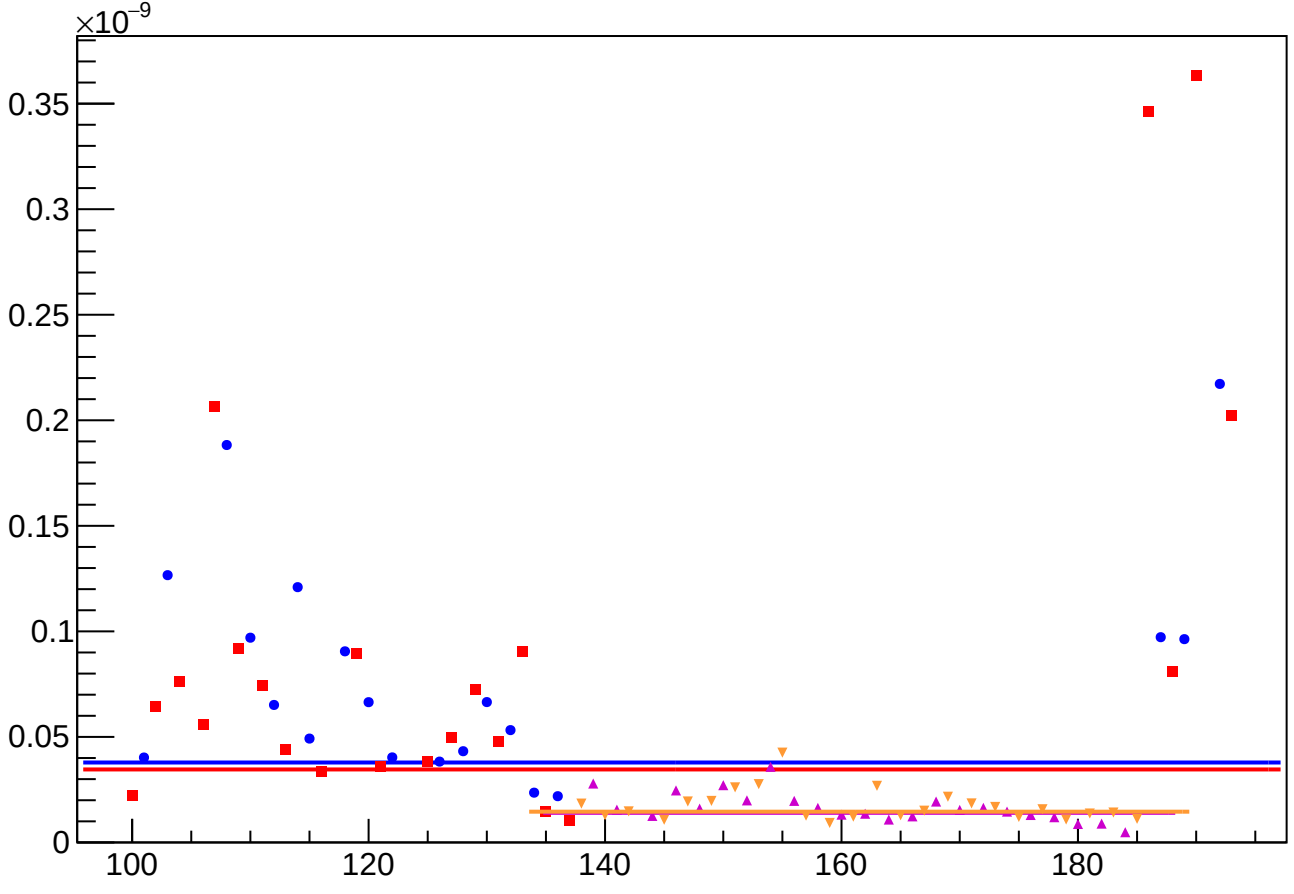
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/21

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: 86.4/87

- sign -0.000+/-0.000 χ^2/NDF: 55.4/44



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: 3564026.0/21

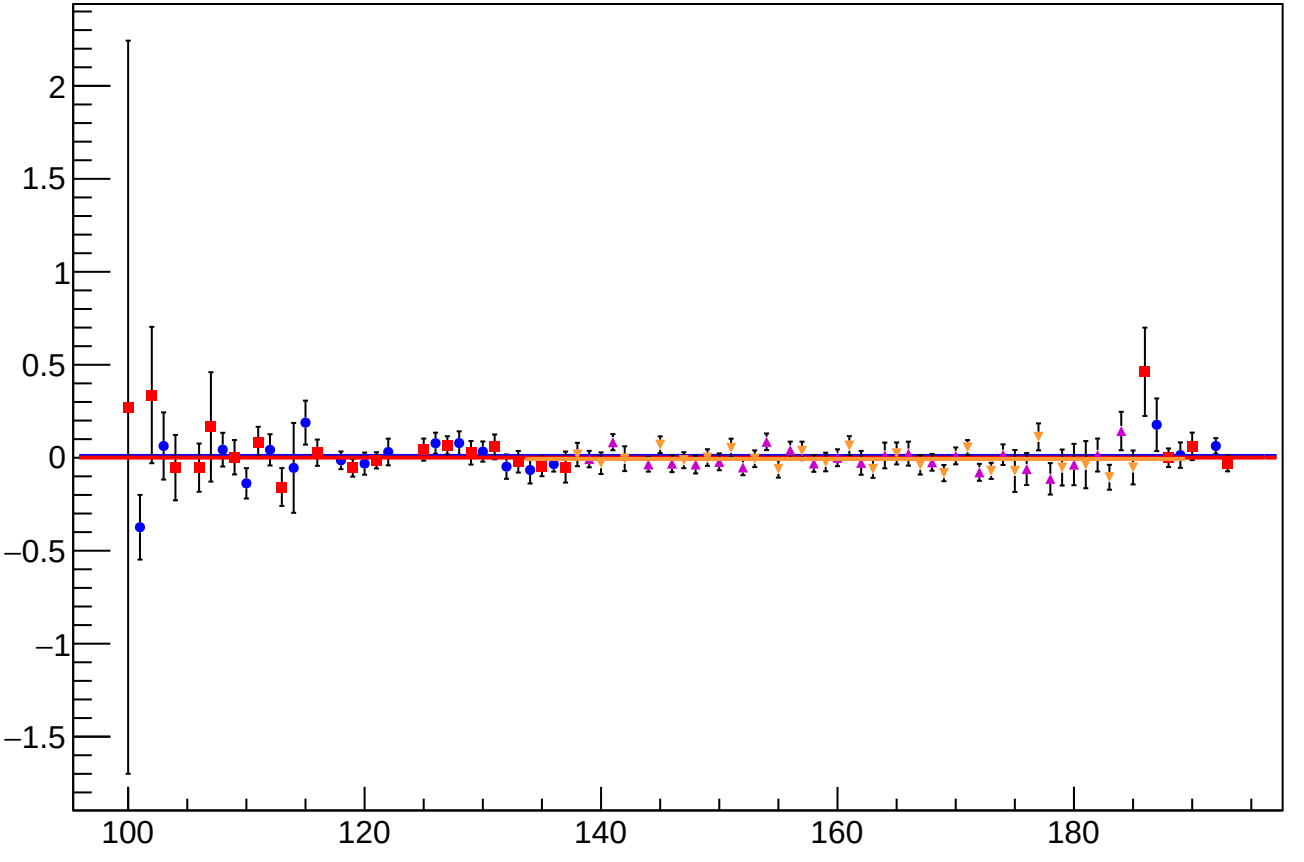
Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 5381801.2/42

All: 0.000+/-0.000 χ^2/NDF: 11778013.3/87

- sign 0.000+/-0.000 χ^2/NDF: 6381441.9/44

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



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: 0.001+/-0.015 χ^2/NDF: 15.9/21

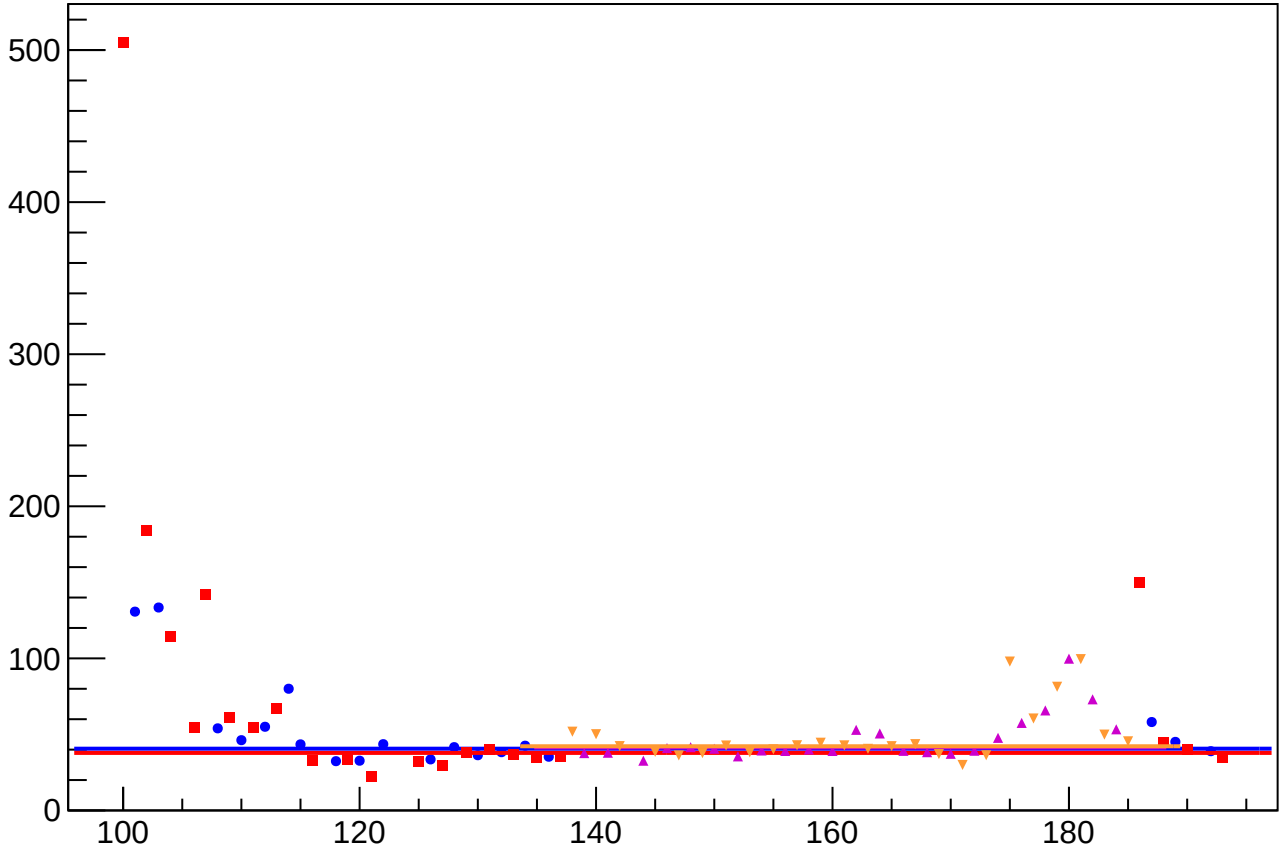
Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 45.3/42

All: -0.003+/-0.006 χ^2/NDF: 81.4/87

- sign -0.004+/-0.009 χ^2/NDF: 36.1/44

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

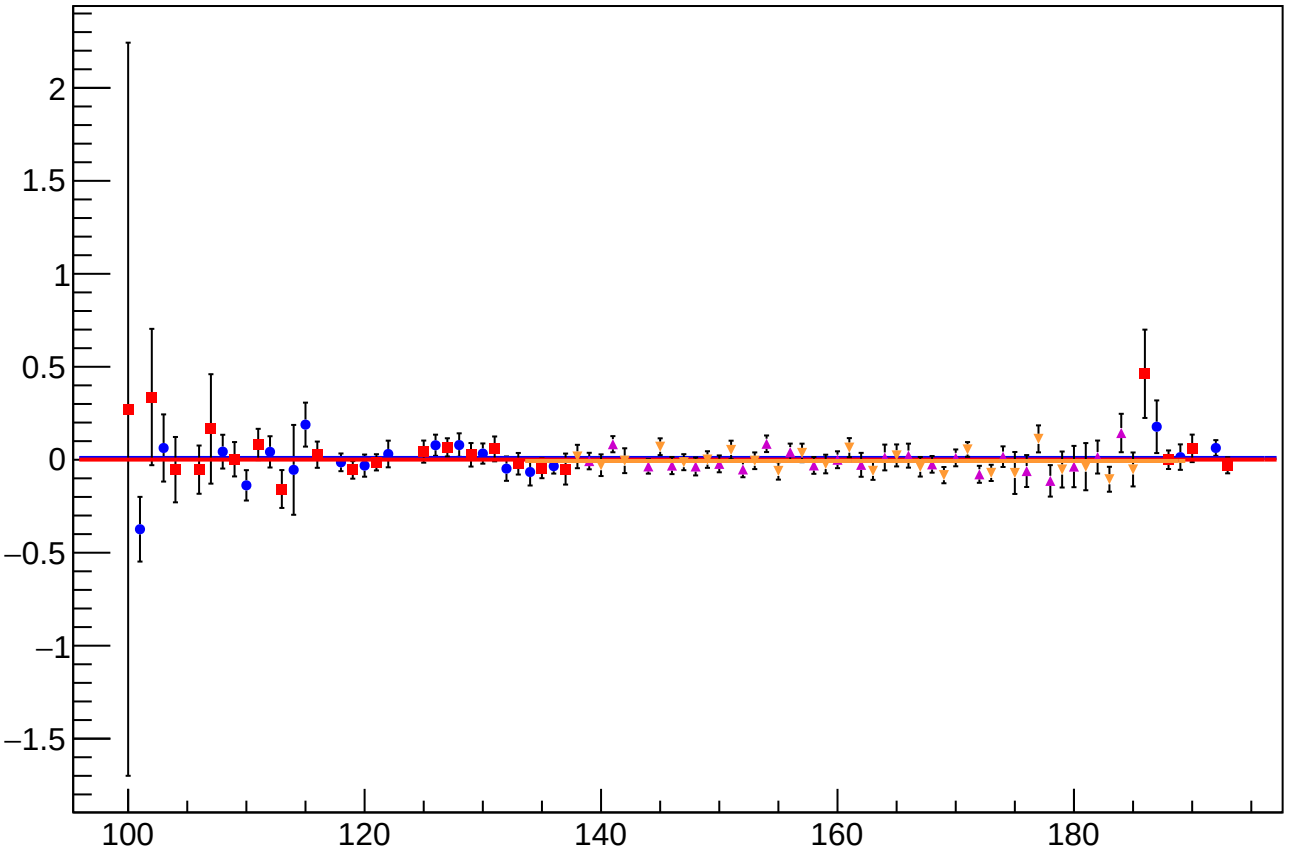
Right Out: 37.838+/-0.010 χ^2/NDF: 2341072.7/21

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.672+/-0.006 χ^2/NDF: 3286525.1/42

All: 40.890+/-0.004 χ^2/NDF: 7148522.0/87

- sign 40.153+/-0.006 χ^2/NDF: 3831965.0/44



Right In: 0.010+/-0.015 χ^2/NDF: 20.6/18

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

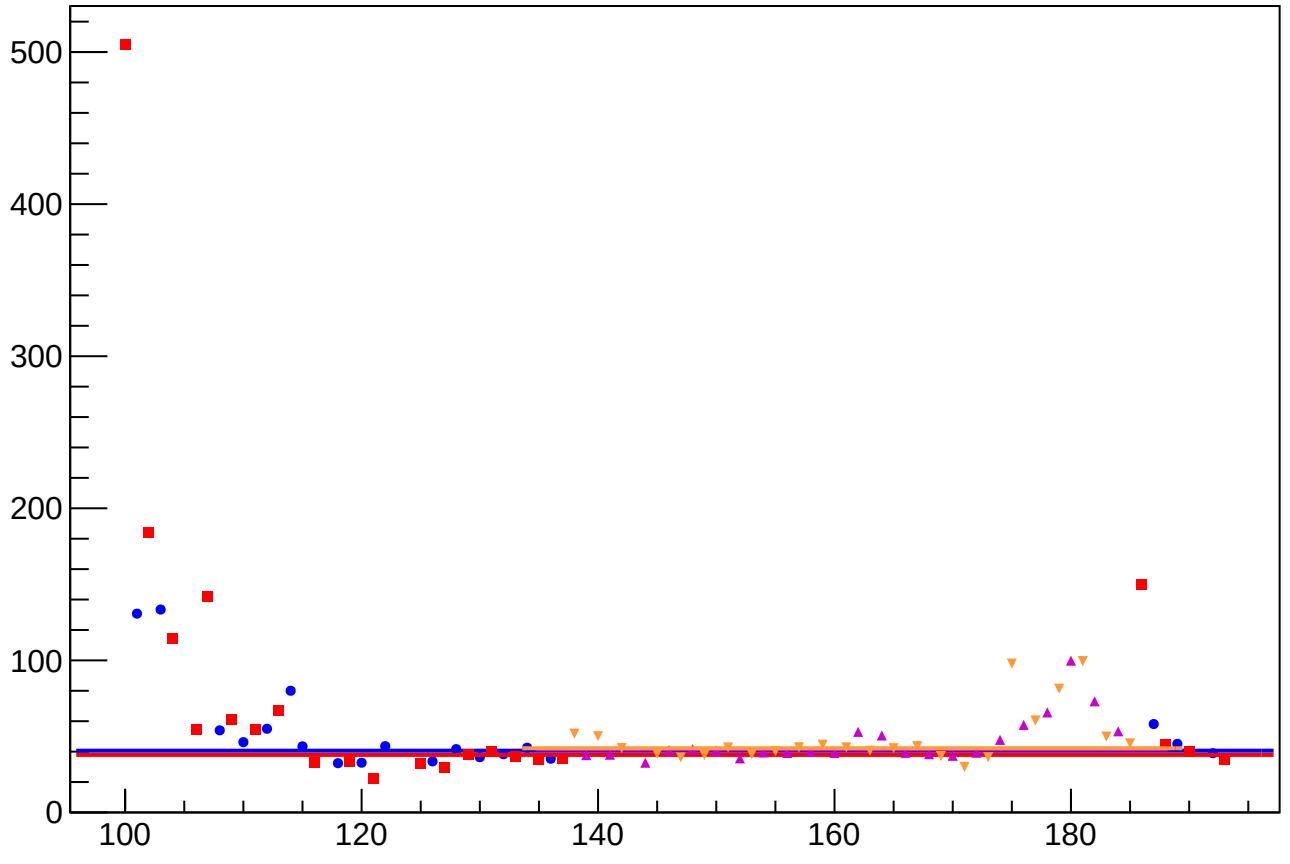
Right Out: 0.001+/-0.015 χ^2/NDF: 15.9/21

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 45.3/42

All: -0.003+/-0.006 χ^2/NDF: 81.4/87

- sign -0.004+/-0.009 χ^2/NDF: 36.1/44



Right In: 40.616+/-0.011 χ^2/NDF: 1452845.5/18

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

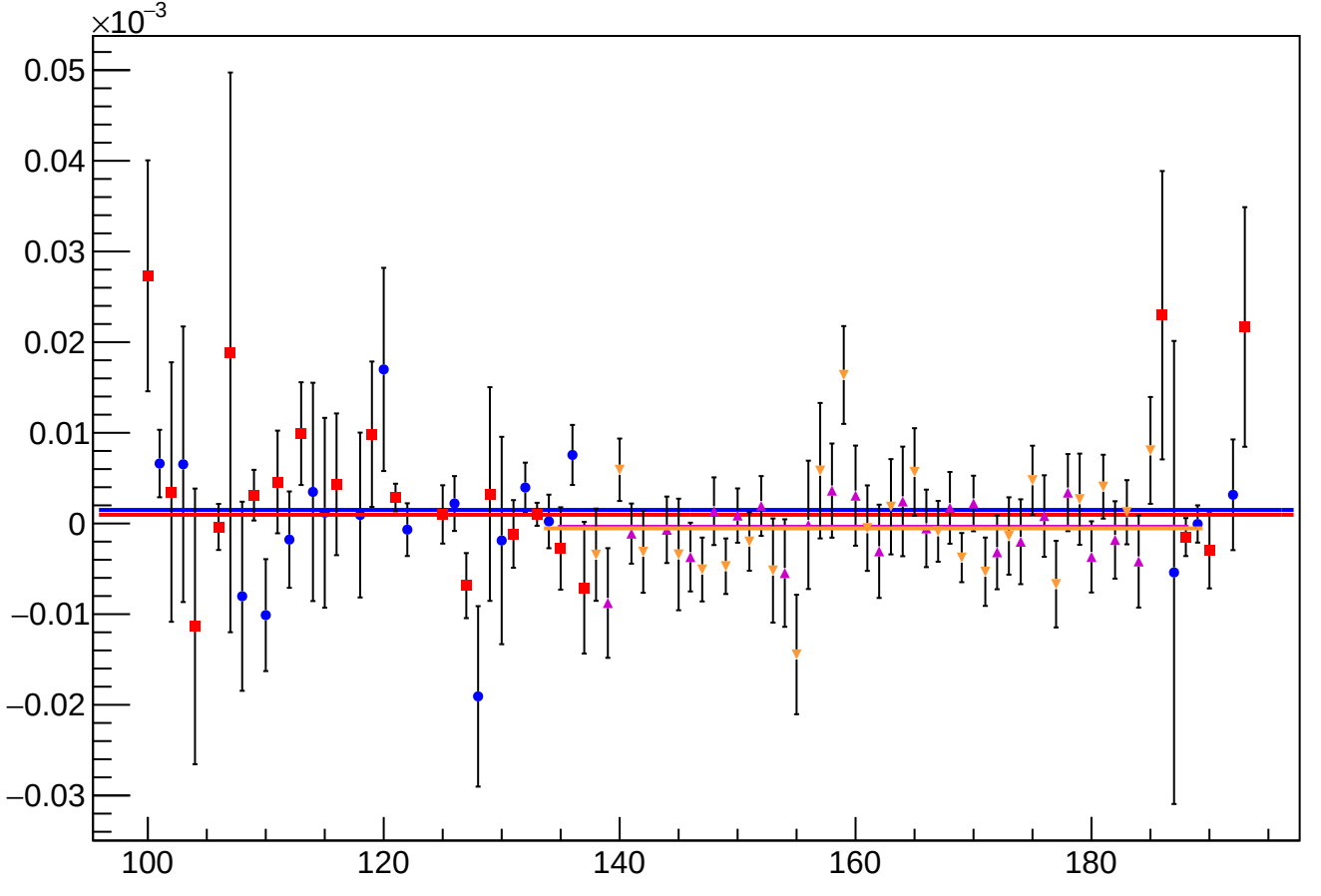
Right Out: 37.838+/-0.010 χ^2/NDF: 2341072.7/21

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

\+ sign 41.672+/-0.006 χ^2/NDF: 3286525.1/42

All: 40.890+/-0.004 χ^2/NDF: 7148522.0/87

\- sign 40.153+/-0.006 χ^2/NDF: 3831965.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

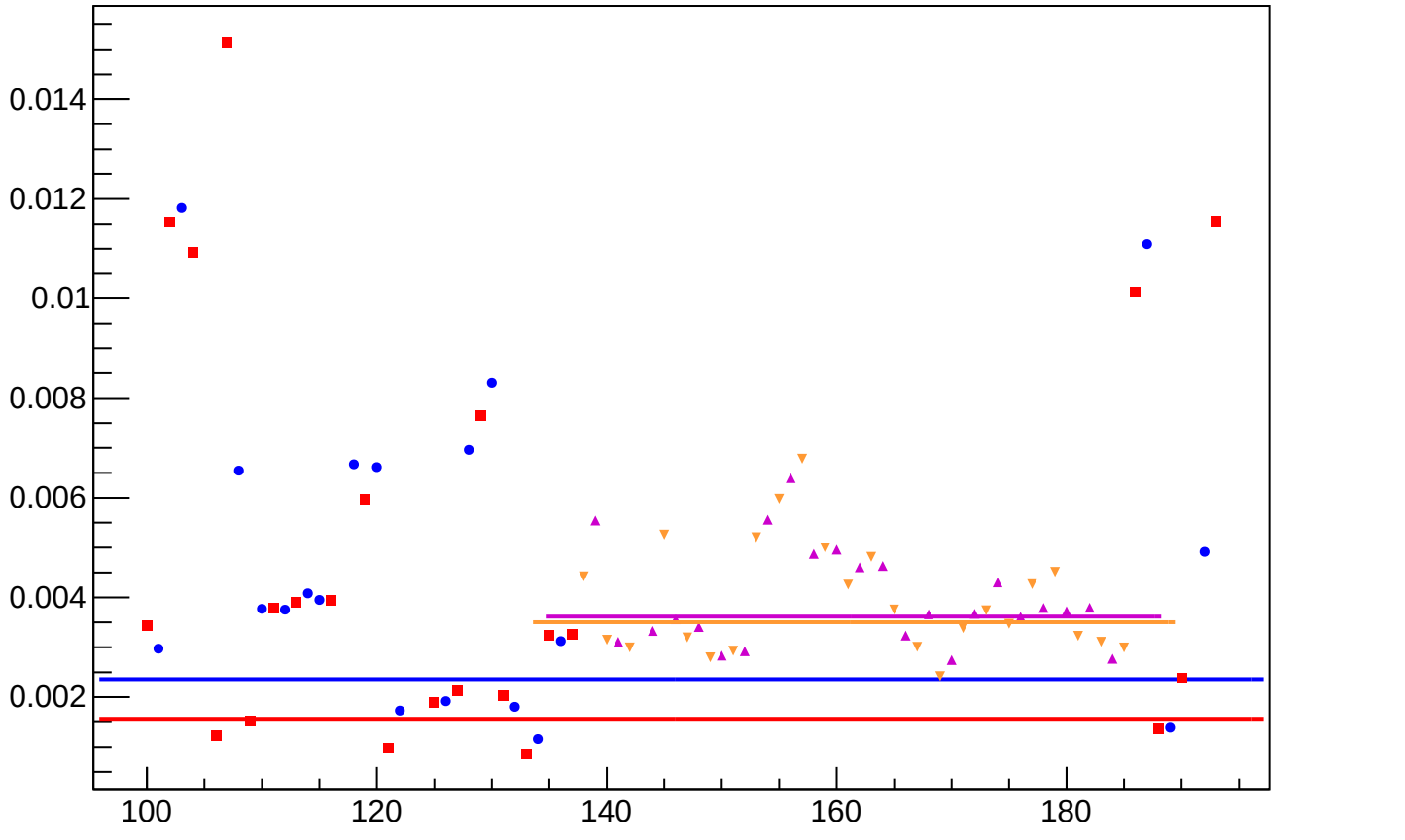
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/21

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: 94.9/87

- sign 0.000+/-0.000 χ^2/NDF: 36.8/44



Right In: 0.002+/-0.000 χ^2/NDF: 4872244.6/18

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

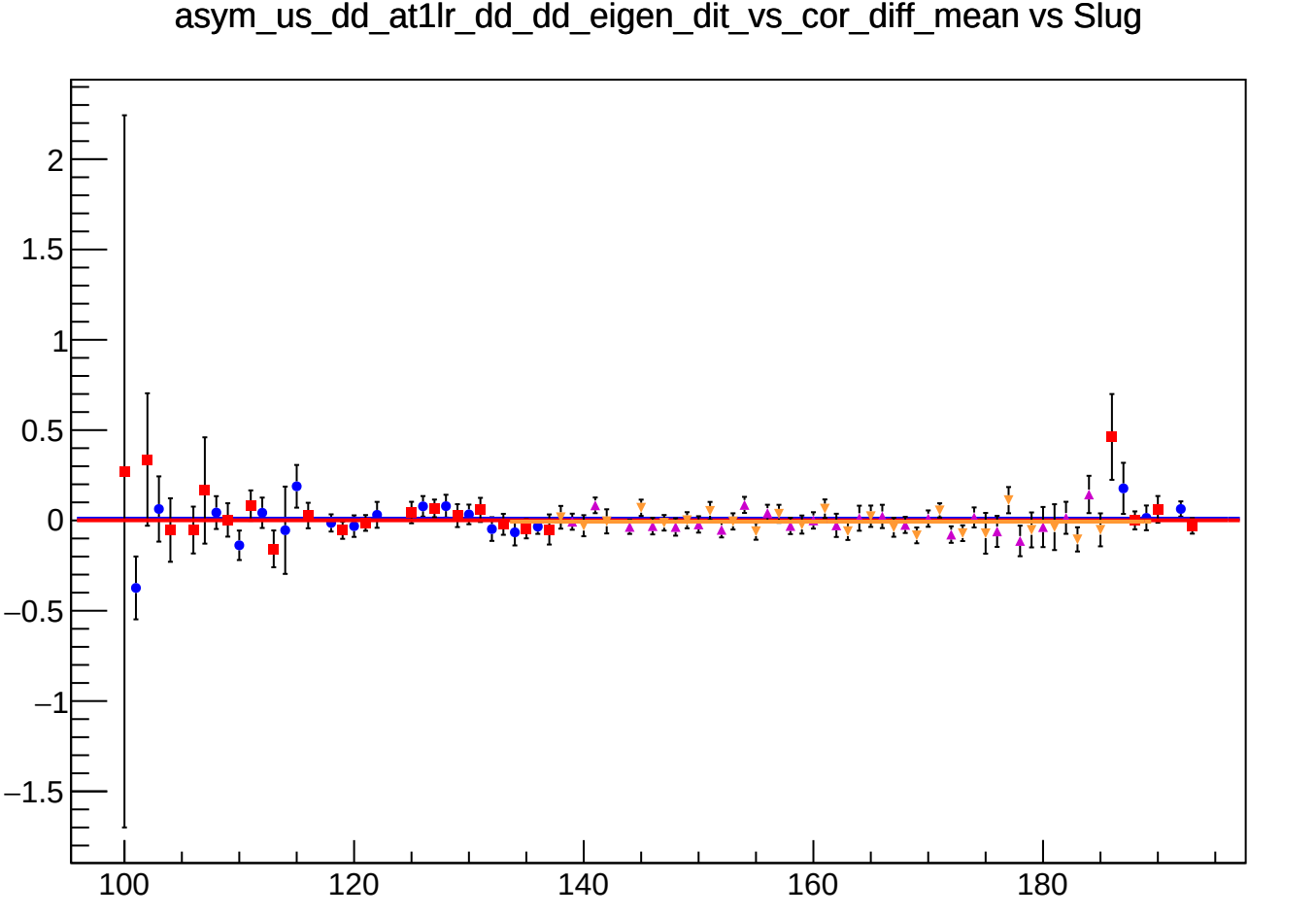
Right Out: 0.002+/-0.000 χ^2/NDF: 7401649.7/21

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 8612100.9/42

All: 0.003+/-0.000 χ^2/NDF: 25821983.3/87

- sign 0.002+/-0.000 χ^2/NDF: 15947684.3/44



Right In: 0.010+/-0.015 χ^2/NDF: 20.6/18

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

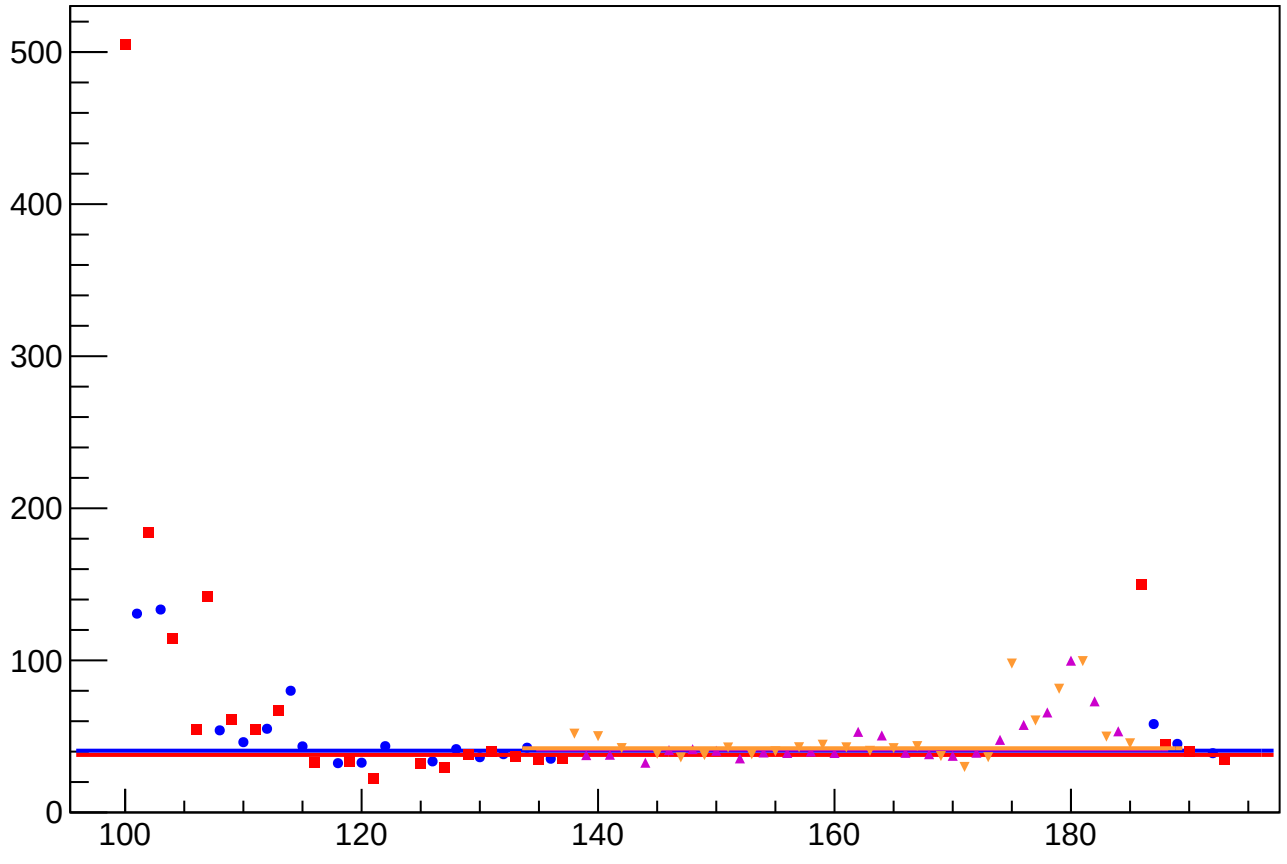
Right Out: 0.001+/-0.015 χ^2/NDF: 15.9/21

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 45.3/42

All: -0.003+/-0.006 χ^2/NDF: 81.4/87

- sign -0.004+/-0.009 χ^2/NDF: 36.1/44



Right In: 40.616+/-0.011 χ^2/NDF: 1452716.7/18

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

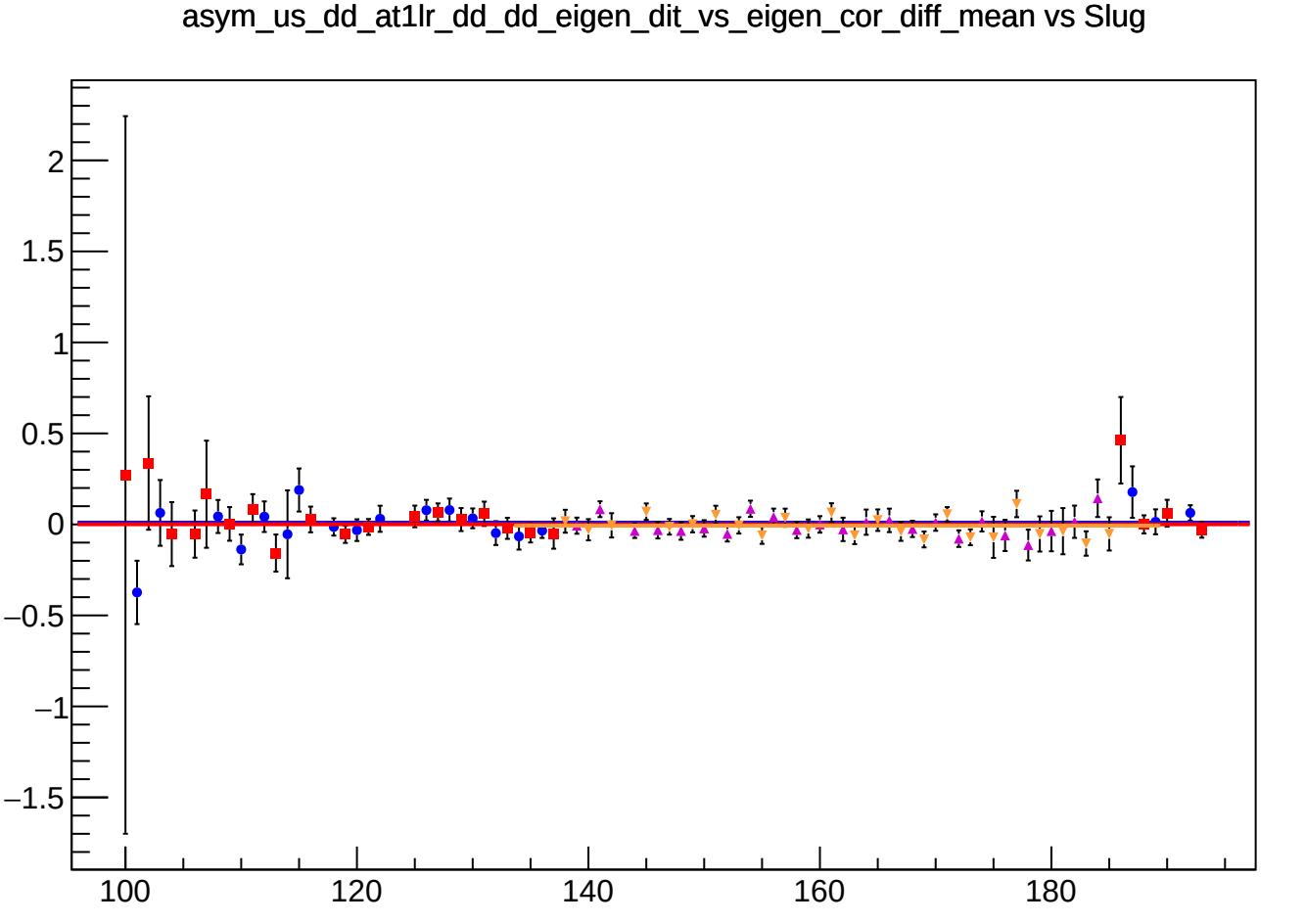
Right Out: 37.836+/-0.010 χ^2/NDF: 2341077.7/21

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 41.672+/-0.006 χ^2/NDF: 3286387.1/42

All: 40.890+/-0.004 χ^2/NDF: 7148385.0/87

\- sign 40.152+/-0.006 χ^2/NDF: 3831946.0/44



Right In: 0.010+/-0.015 χ^2/NDF: 20.6/18

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

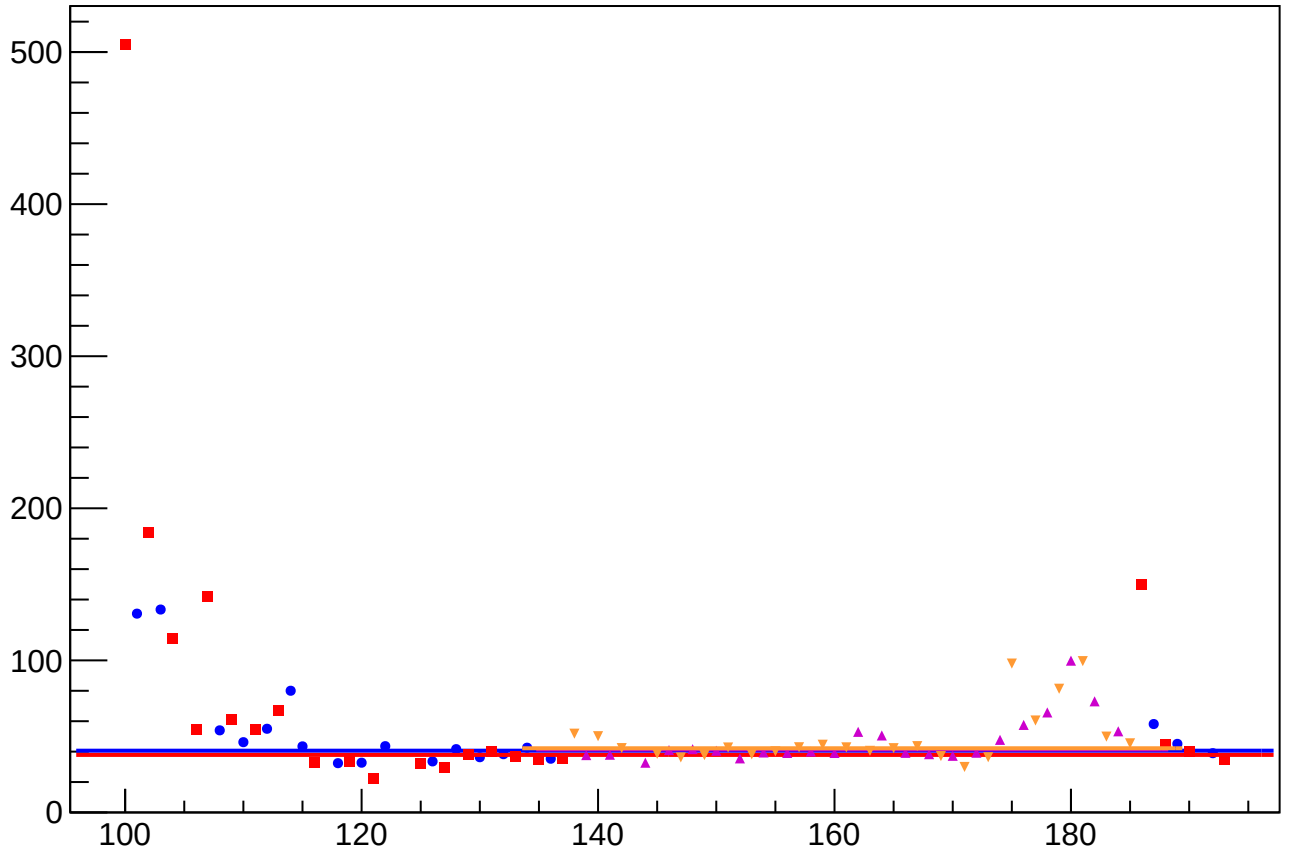
Right Out: 0.001+/-0.015 χ^2/NDF: 15.9/21

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 45.3/42

All: -0.003+/-0.006 χ^2/NDF: 81.4/87

- sign -0.004+/-0.009 χ^2/NDF: 36.1/44



Right In: 40.616+/-0.011 χ^2/NDF: 1452716.7/18

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

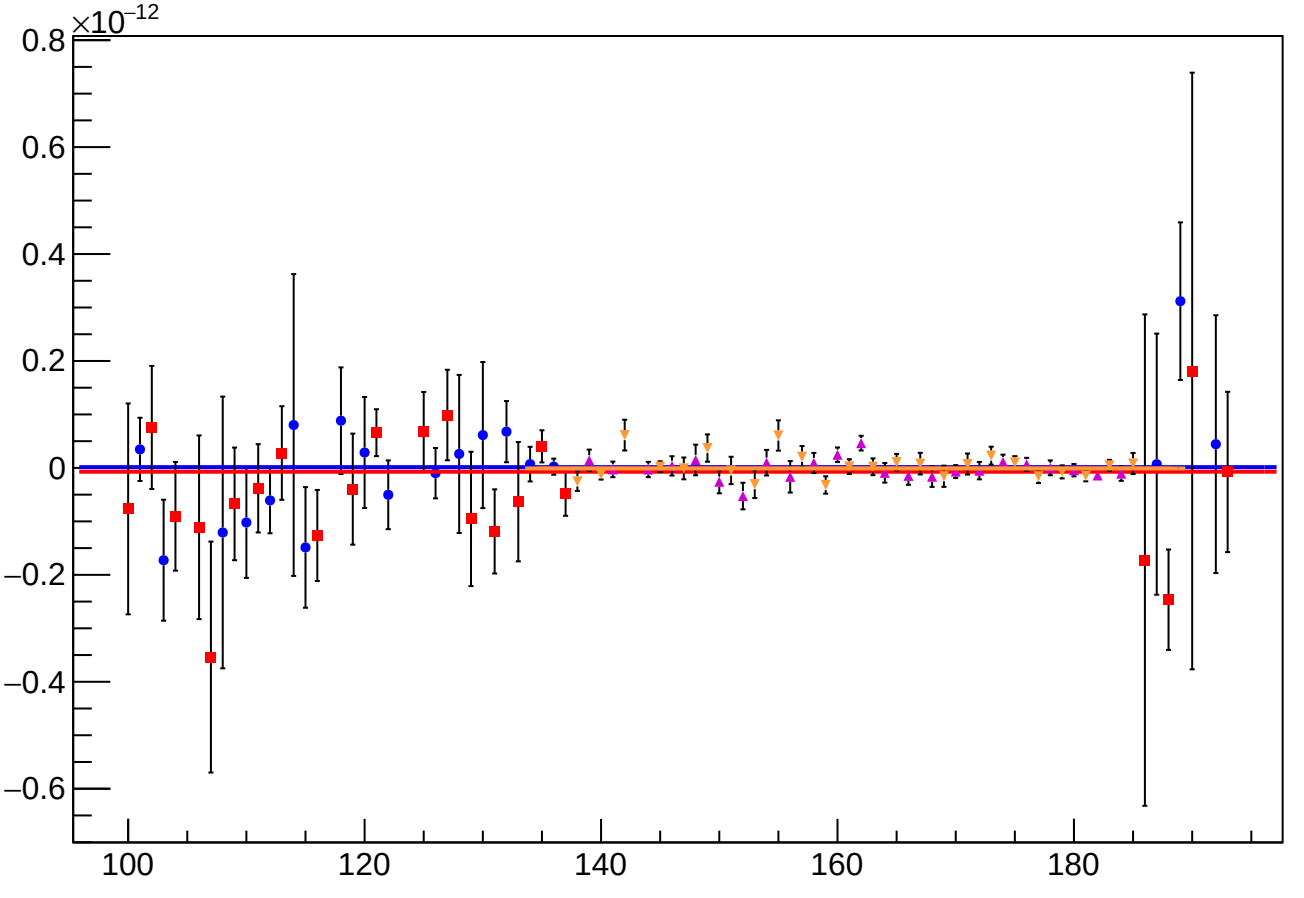
Right Out: 37.836+/-0.010 χ^2/NDF: 2341077.7/21

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 41.672+/-0.006 χ^2/NDF: 3286387.1/42

All: 40.890+/-0.004 χ^2/NDF: 7148385.0/87

\- sign 40.152+/-0.006 χ^2/NDF: 3831946.0/44



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

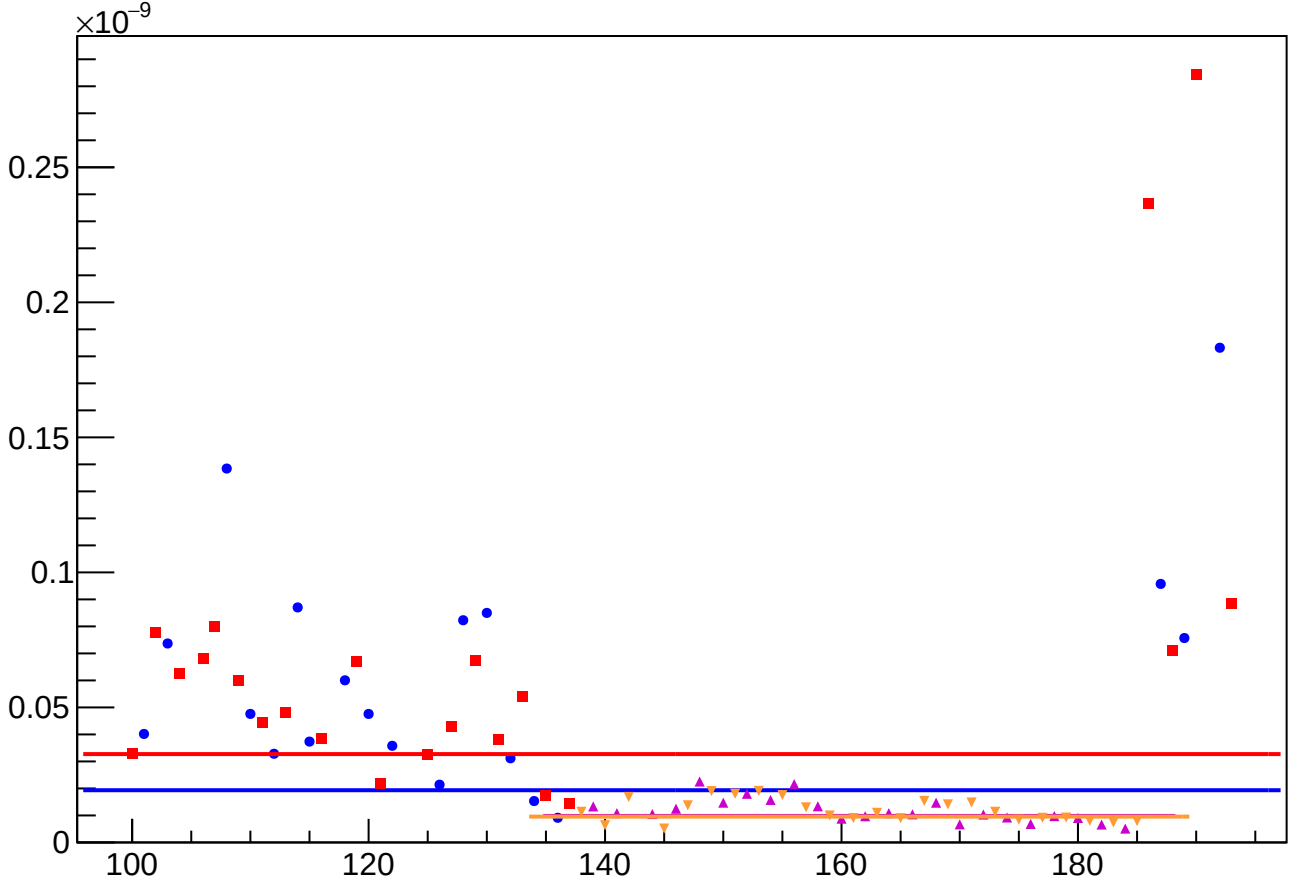
Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/21

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: 97.7/87

- sign -0.000+/-0.000 χ^2/NDF: 53.8/44



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: 3836440.2/21

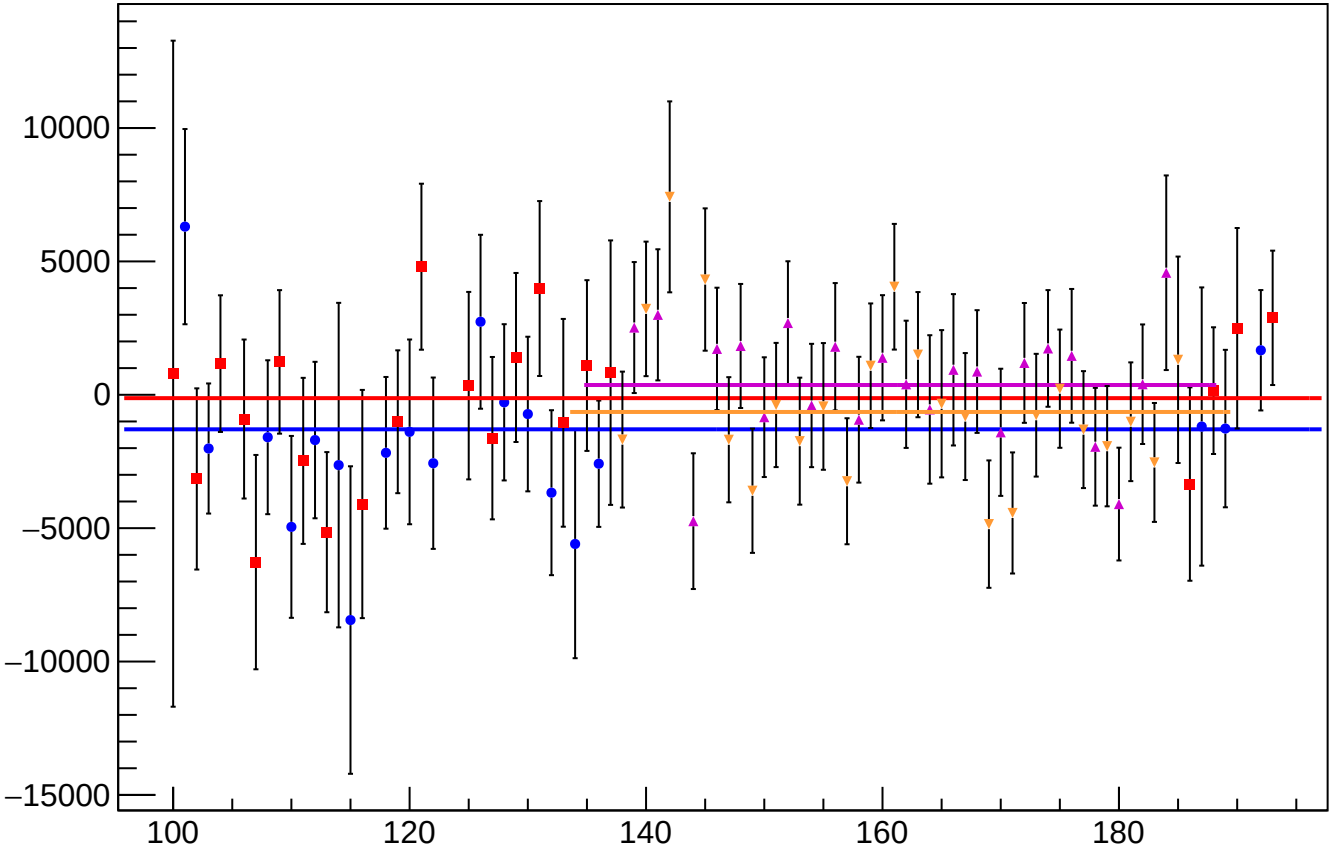
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9238865.4/42

All: 0.000+/-0.000 χ^2/NDF: 19241301.6/87

- sign 0.000+/-0.000 χ^2/NDF: 9980163.7/44

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: -126.067+/-683.992 χ^2/NDF: 15.6/21

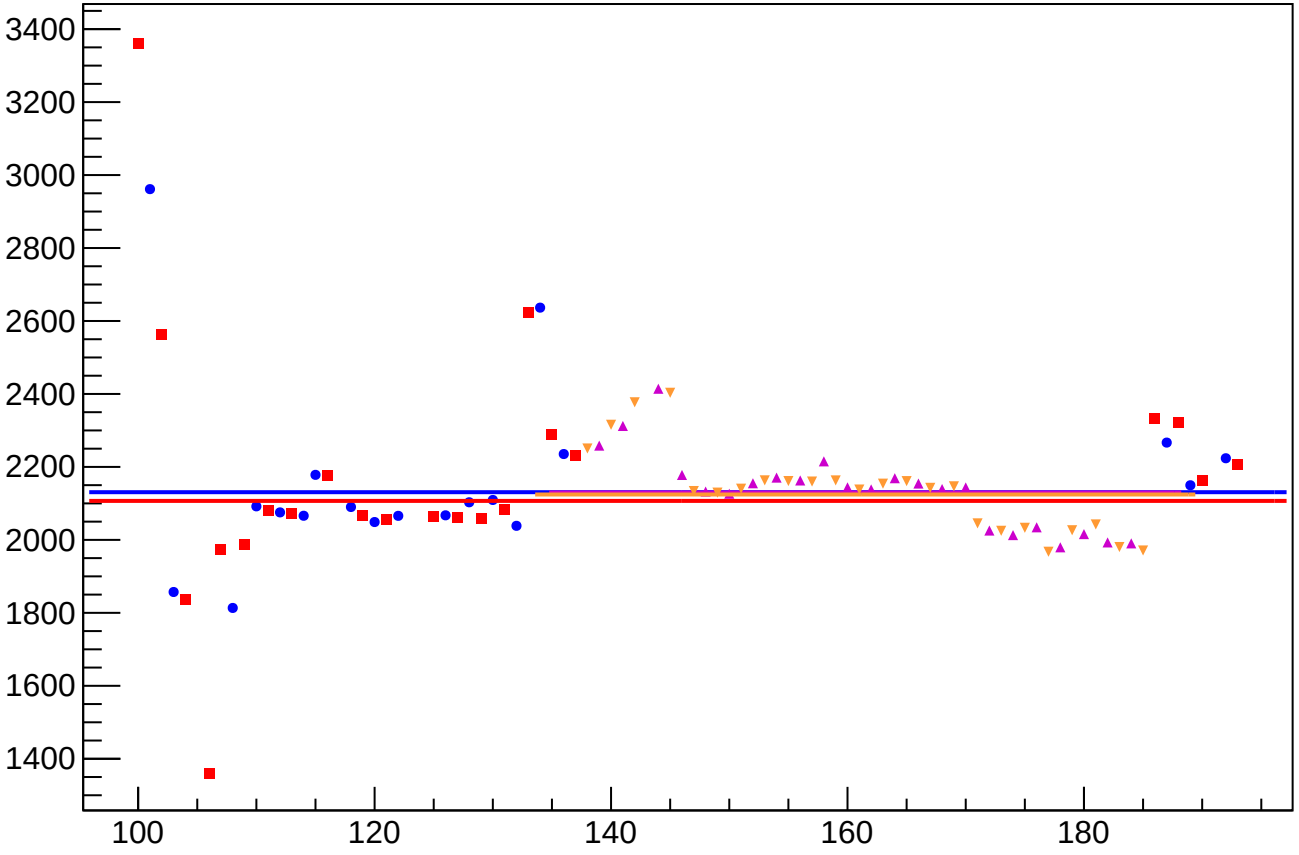
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -852.823+/-406.739 χ^2/NDF: 40.4/42

All: -322.937+/-286.112 χ^2/NDF: 77.0/87

- sign 196.067+/-402.541 χ^2/NDF: 33.2/44

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

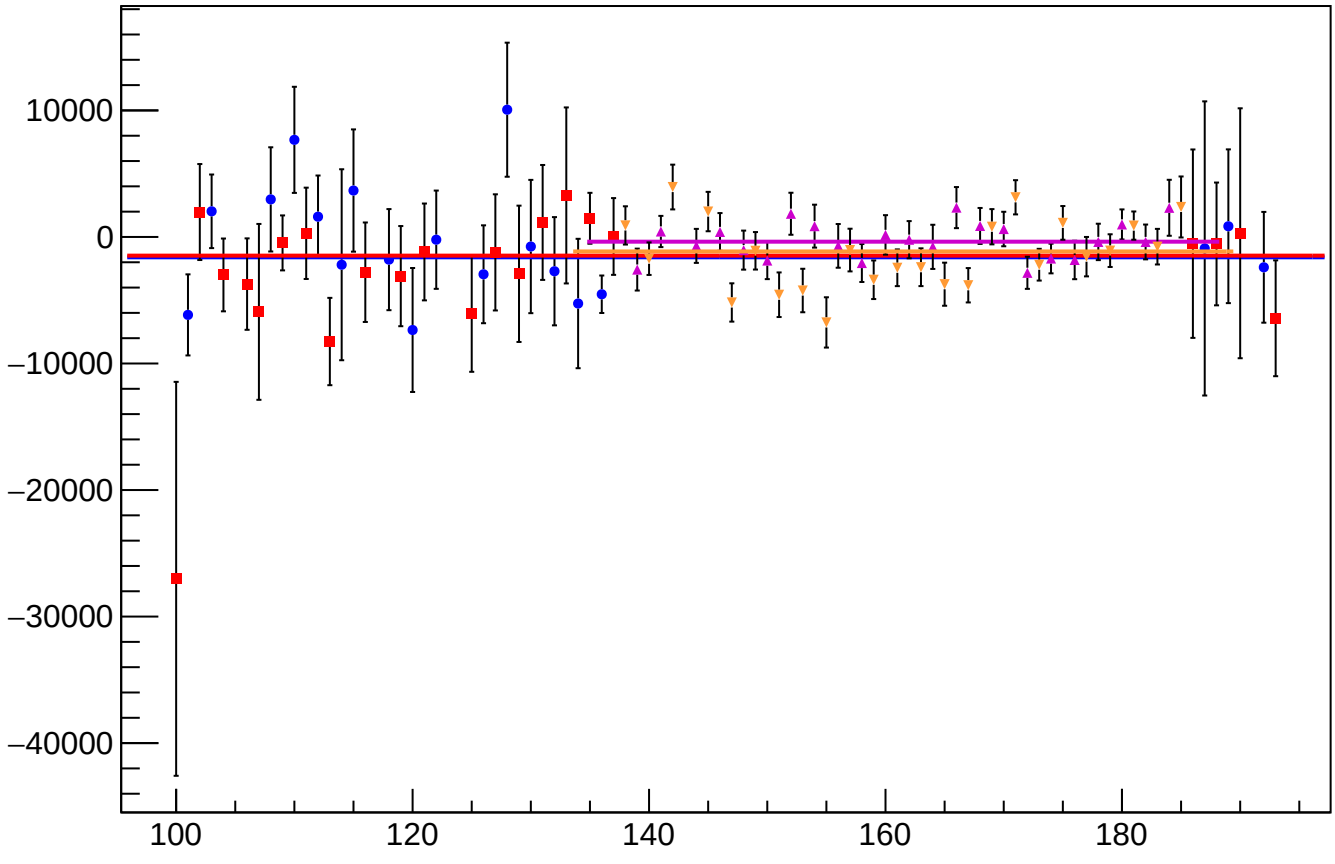
Right Out: 2106.851+/-0.484 χ^2/NDF: 283747.5/21

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2126.457+/-0.288 χ^2/NDF: 284863.5/42

All: 2124.162+/-0.202 χ^2/NDF: 655575.6/87

- sign 2121.915+/-0.285 χ^2/NDF: 370586.1/44



Right In: -1607.838+/-835.894 χ^2/NDF: 23.1/18

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

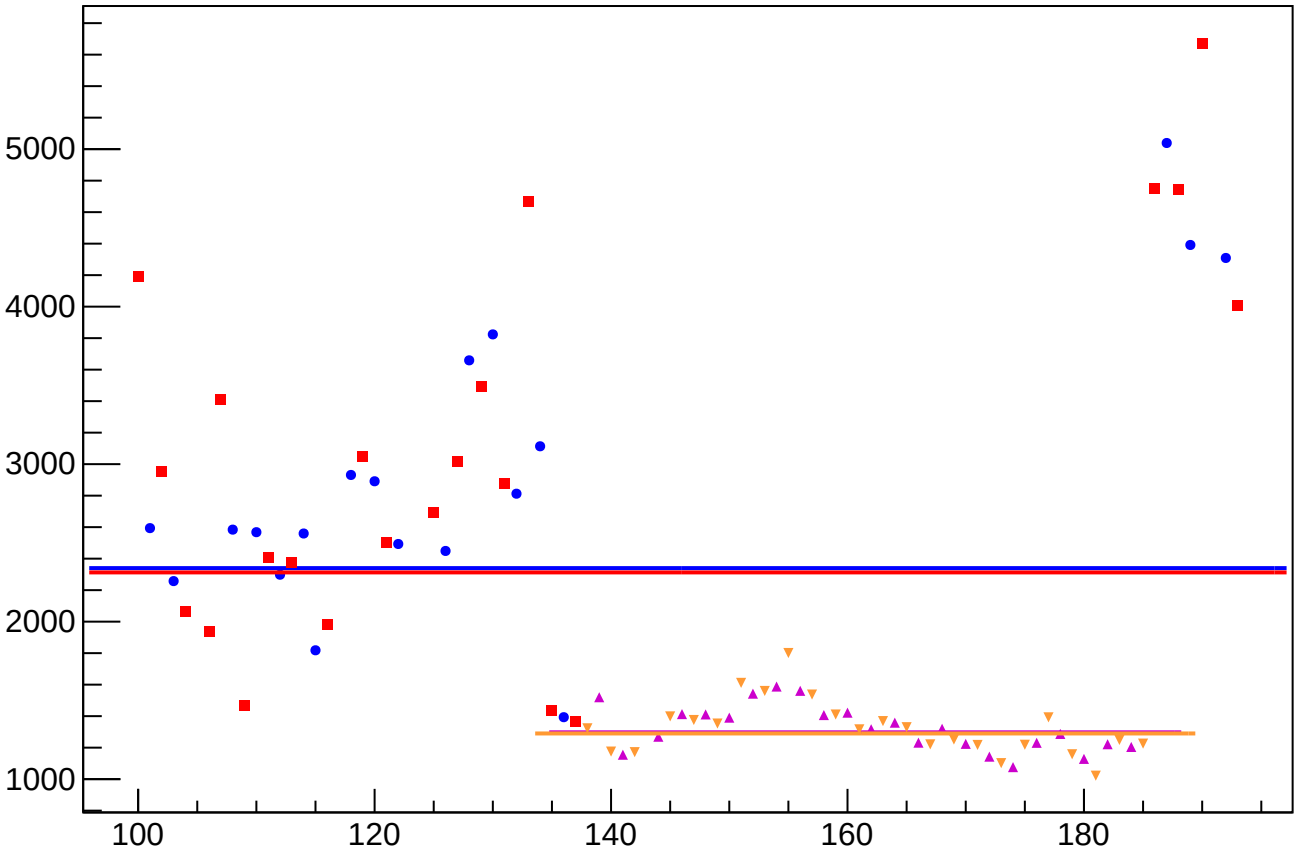
Right Out: -1476.130+/-807.312 χ^2/NDF: 14.7/21

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1198.430+/-284.437 χ^2/NDF: 90.8/42

All: -856.322+/-201.547 χ^2/NDF: 130.4/87

- sign -511.348+/-285.626 χ^2/NDF: 36.7/44



Right In: 2339.888+/-0.591 χ^2/NDF: 2037261.0/18

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

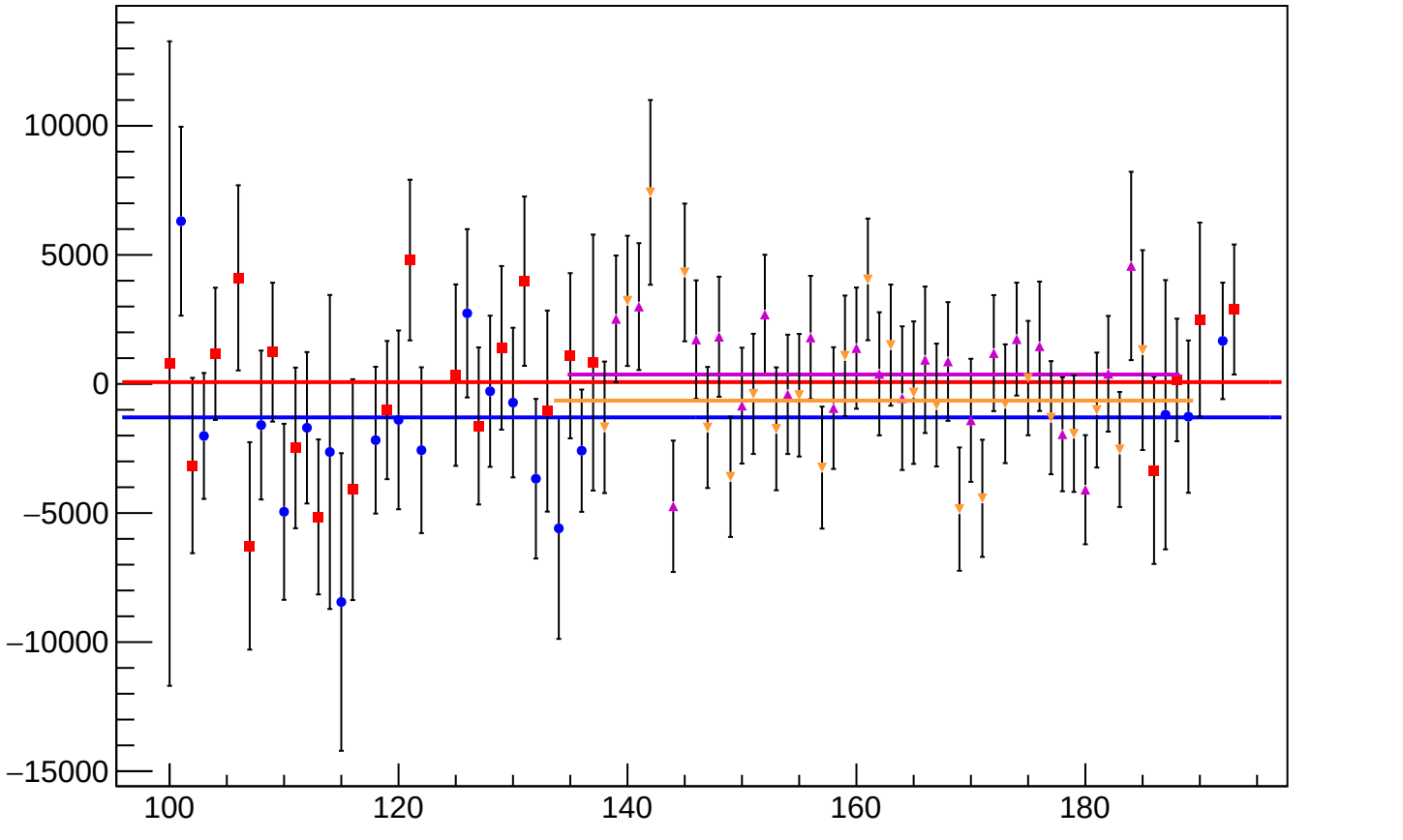
Right Out: 2312.627+/-0.571 χ^2/NDF: 2777017.6/21

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1411.592+/-0.201 χ^2/NDF: 5394832.7/42

All: 1418.033+/-0.143 χ^2/NDF: 11374520.0/8

- sign 1424.528+/-0.202 χ^2/NDF: 5977627.7/44



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: 72.142+/-689.646 χ^2/NDF: 16.8/21

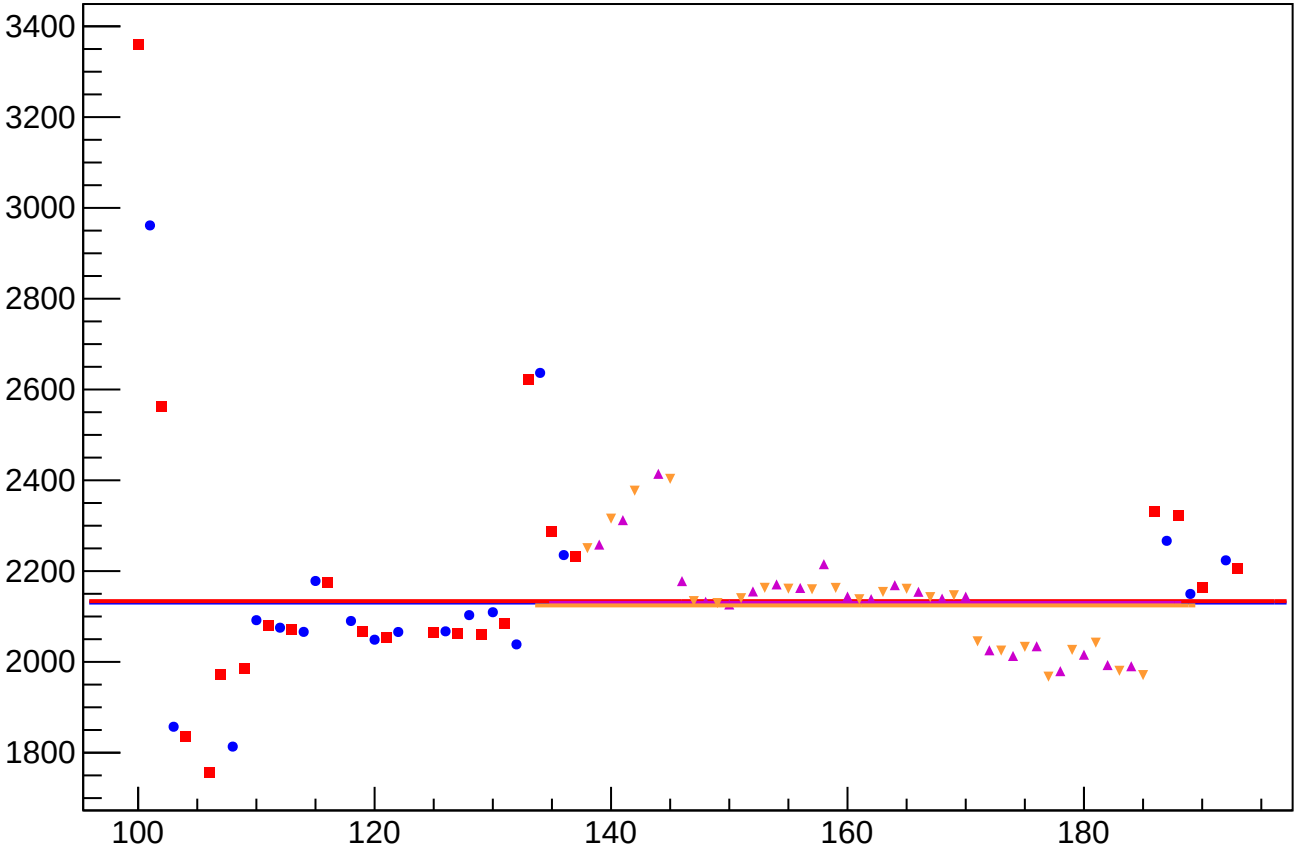
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

\+ sign -852.709+/-406.739 χ^2/NDF: 40.4/42

All: -289.269+/-286.522 χ^2/NDF: 78.5/87

\- sign 265.741+/-403.684 χ^2/NDF: 34.3/44

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

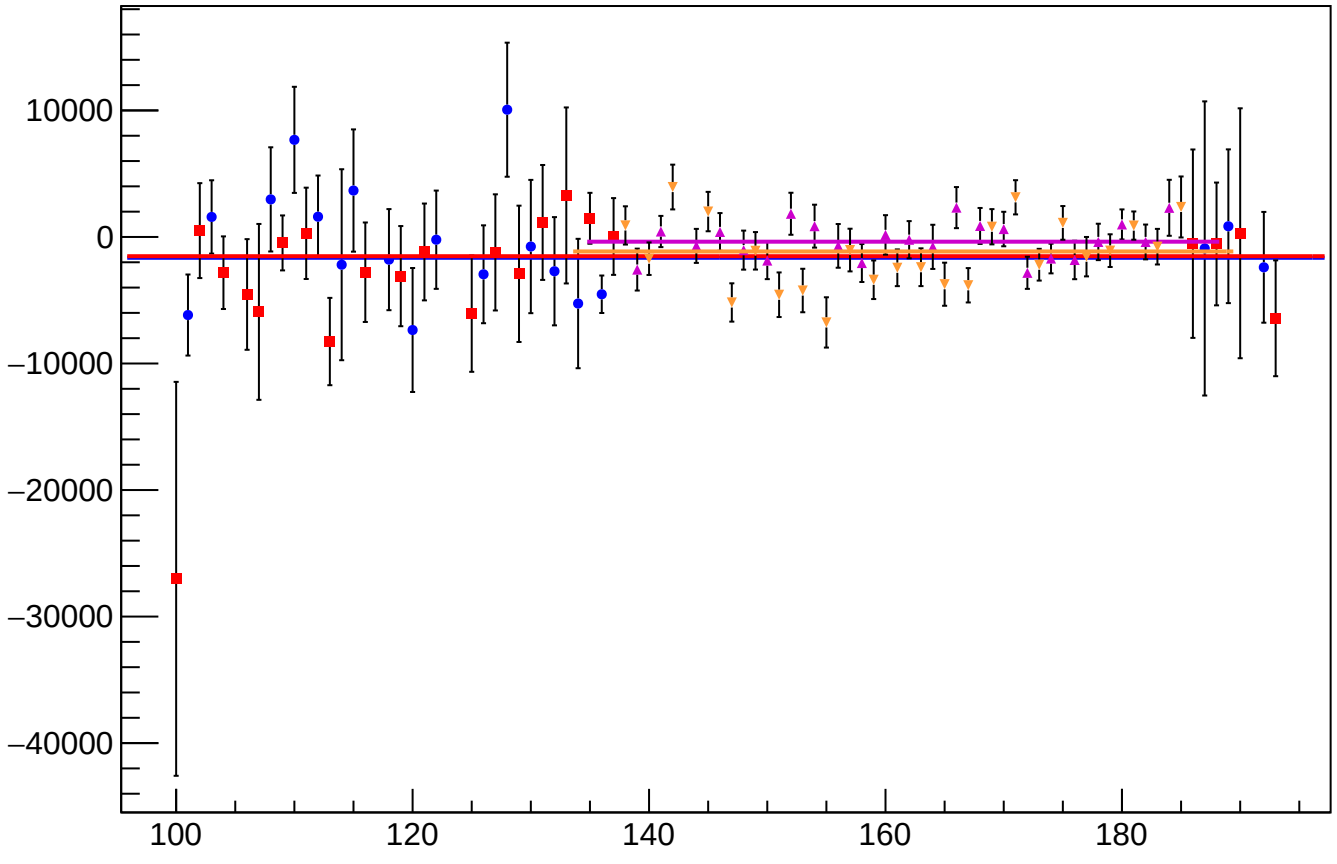
Right Out: 2133.841+/-0.488 χ^2/NDF: 174476.1/21

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2126.457+/-0.288 χ^2/NDF: 284863.8/42

All: 2128.871+/-0.203 χ^2/NDF: 544877.2/87

- sign 2131.248+/-0.285 χ^2/NDF: 259873.5/44



Right In: -1643.548+/-835.628 χ^2/NDF: 22.7/18

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

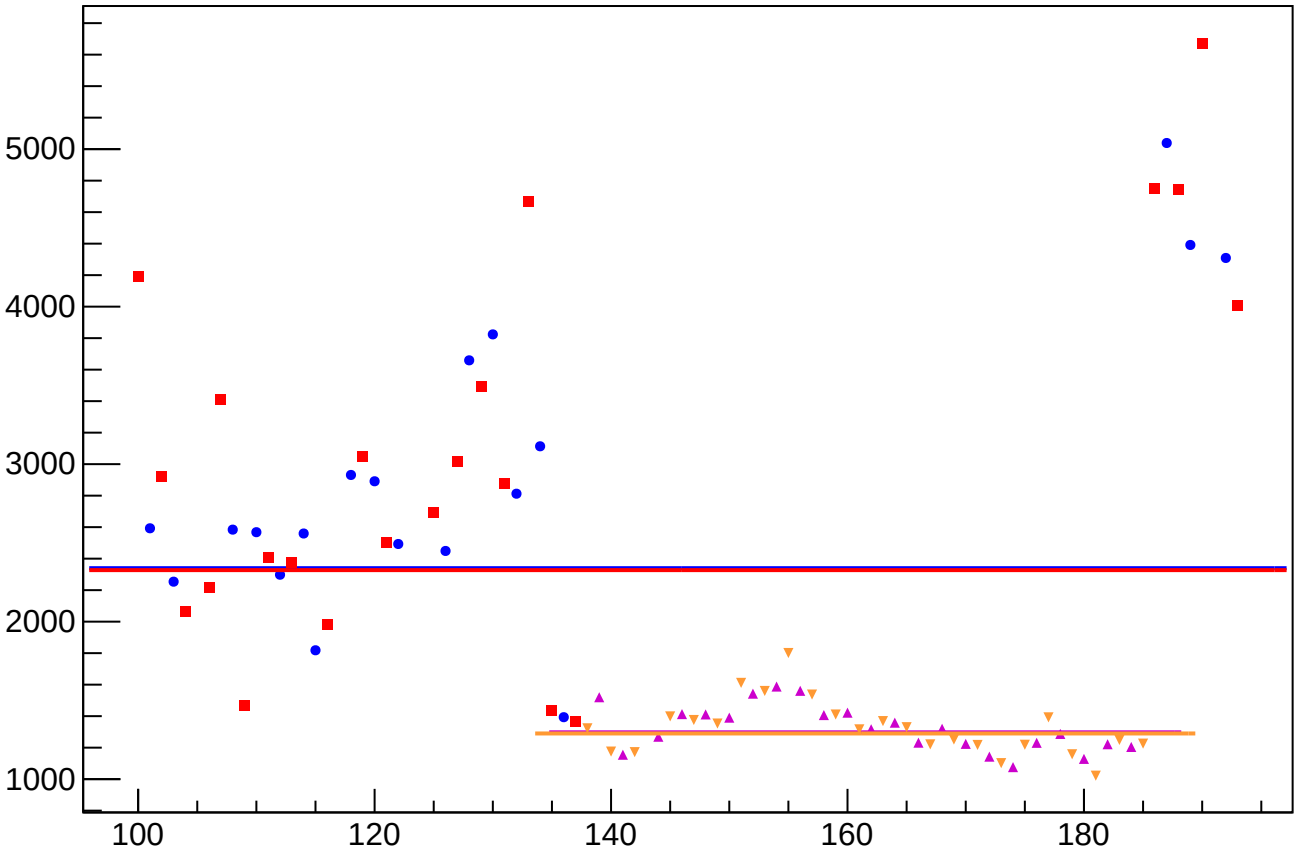
Right Out: -1520.326+/-813.202 χ^2/NDF: 14.2/21

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1202.565+/-284.428 χ^2/NDF: 90.5/42

All: -860.520+/-201.634 χ^2/NDF: 129.7/87

- sign -514.962+/-285.885 χ^2/NDF: 36.3/44



Right In: 2339.488+/-0.591 χ^2/NDF: 2037289.9/18

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

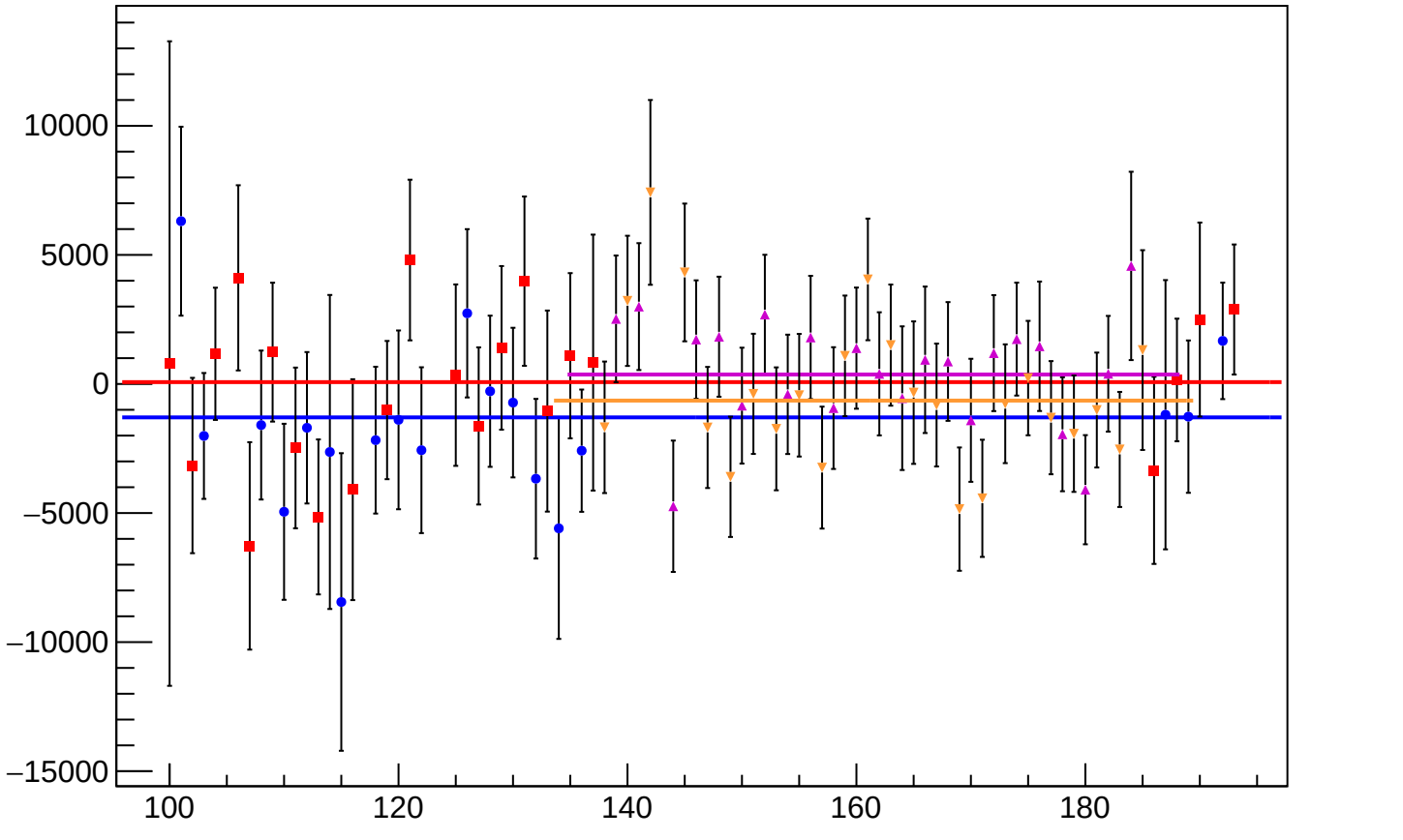
Right Out: 2327.172+/-0.575 χ^2/NDF: 2752369.1/21

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1411.626+/-0.201 χ^2/NDF: 5394169.8/42

All: 1418.140+/-0.143 χ^2/NDF: 11393088.4/8

- sign 1424.721+/-0.202 χ^2/NDF: 5996809.7/44



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: 72.142+/-689.646 χ^2/NDF: 16.8/21

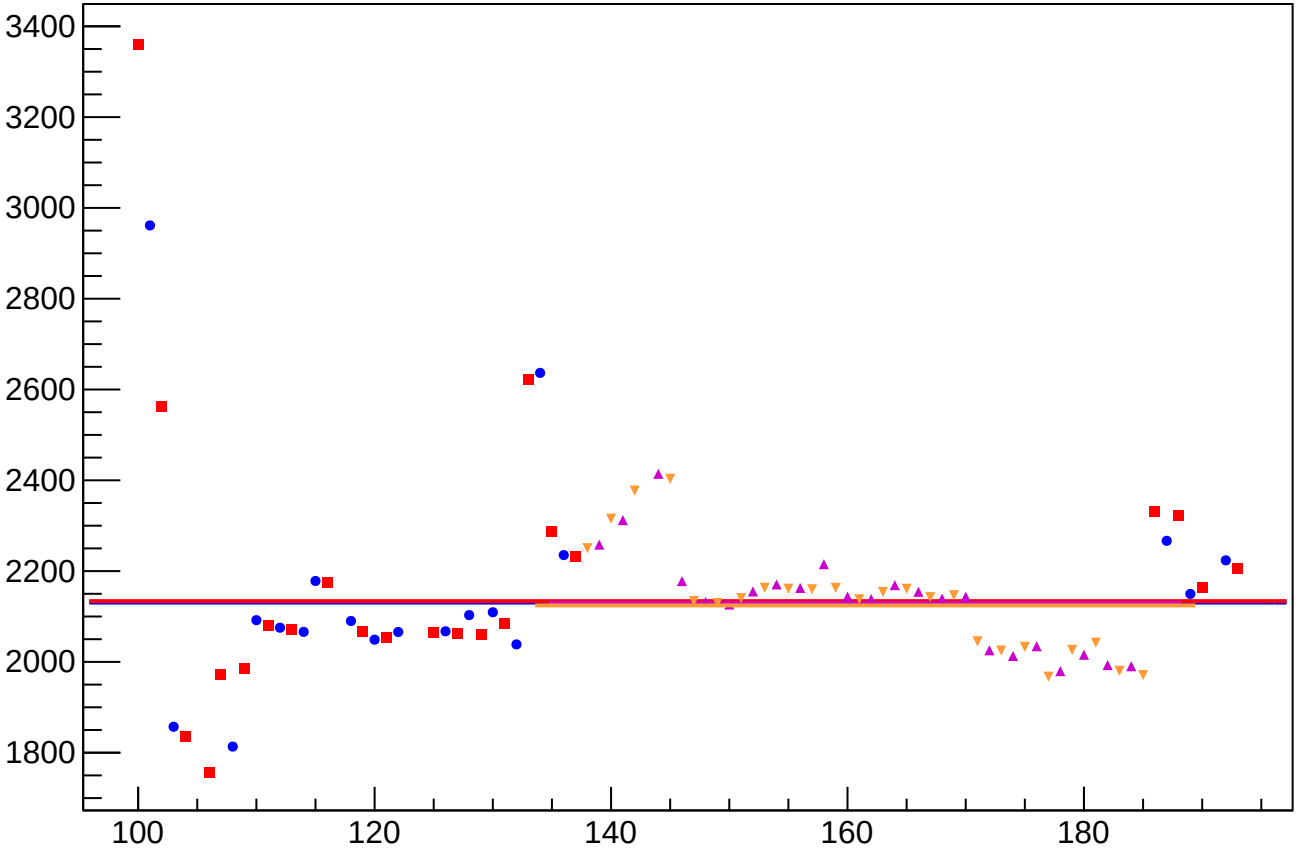
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -852.709+/-406.739 χ^2/NDF: 40.4/42

All: -289.269+/-286.522 χ^2/NDF: 78.5/87

- sign 265.741+/-403.684 χ^2/NDF: 34.3/44

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

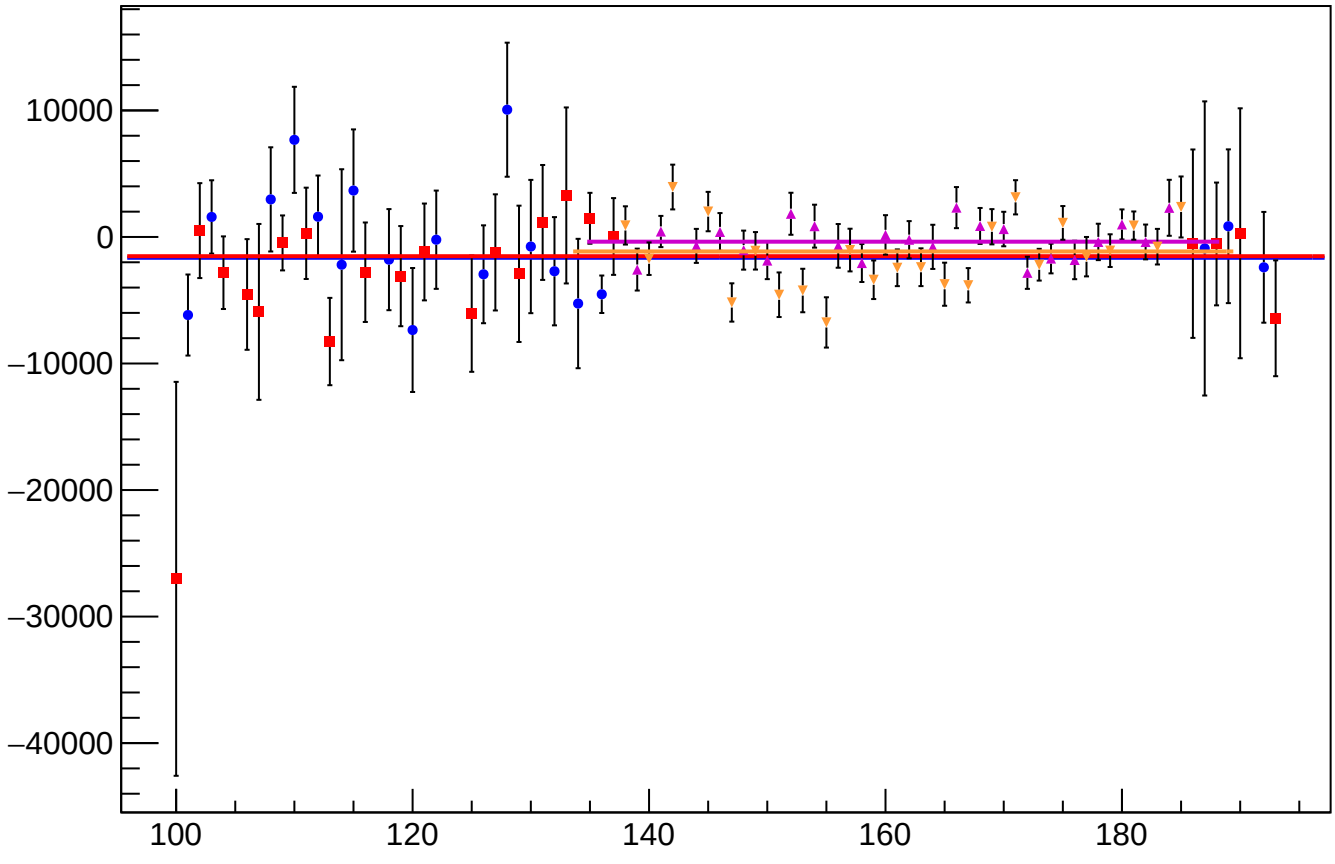
Right Out: 2133.841+/-0.488 χ^2/NDF: 174476.1/21

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2126.457+/-0.288 χ^2/NDF: 284863.8/42

All: 2128.871+/-0.203 χ^2/NDF: 544877.2/87

- sign 2131.248+/-0.285 χ^2/NDF: 259873.5/44



Right In: -1643.548+/-835.628 χ^2/NDF: 22.7/18

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

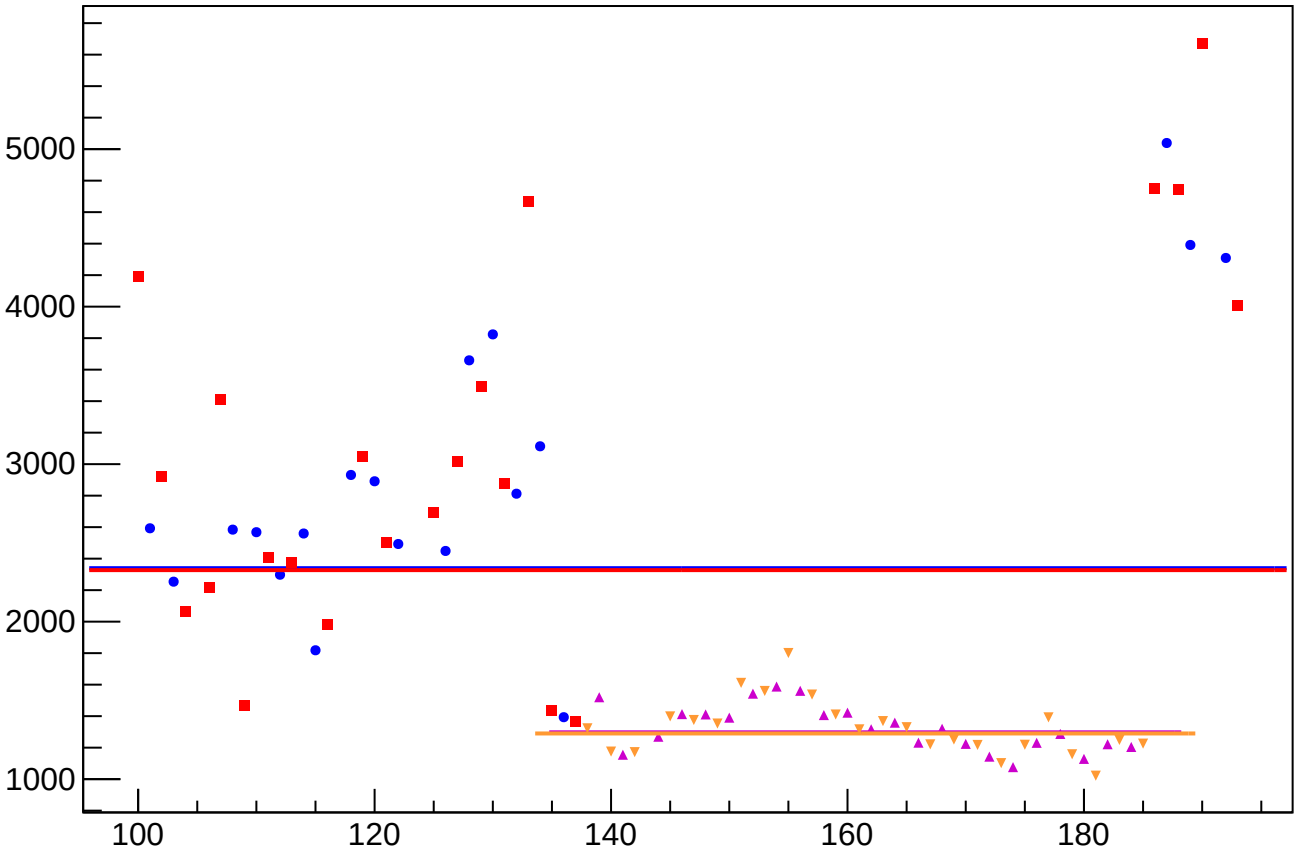
Right Out: -1520.326+/-813.202 χ^2/NDF: 14.2/21

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1202.565+/-284.428 χ^2/NDF: 90.5/42

All: -860.520+/-201.634 χ^2/NDF: 129.7/87

- sign -514.962+/-285.885 χ^2/NDF: 36.3/44



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: 2327.172+/-0.575 χ^2/NDF: 2752369.1/21

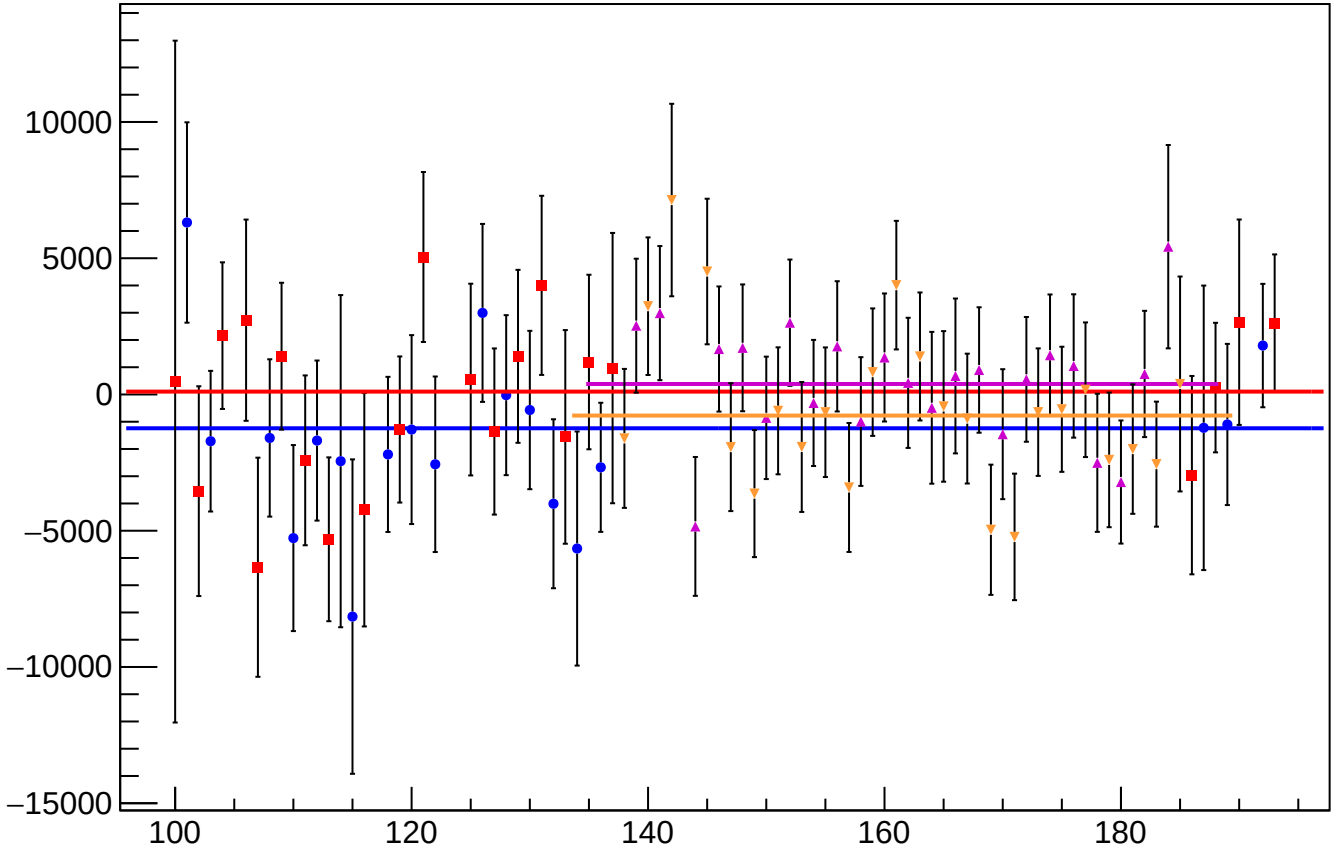
Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1411.626+/-0.201 χ^2/NDF: 5394169.8/42

All: 1418.140+/-0.143 χ^2/NDF: 11393088.4/8

- sign 1424.721+/-0.202 χ^2/NDF: 5996809.7/44

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: 105.416+/-696.974 χ^2/NDF: 16.8/21

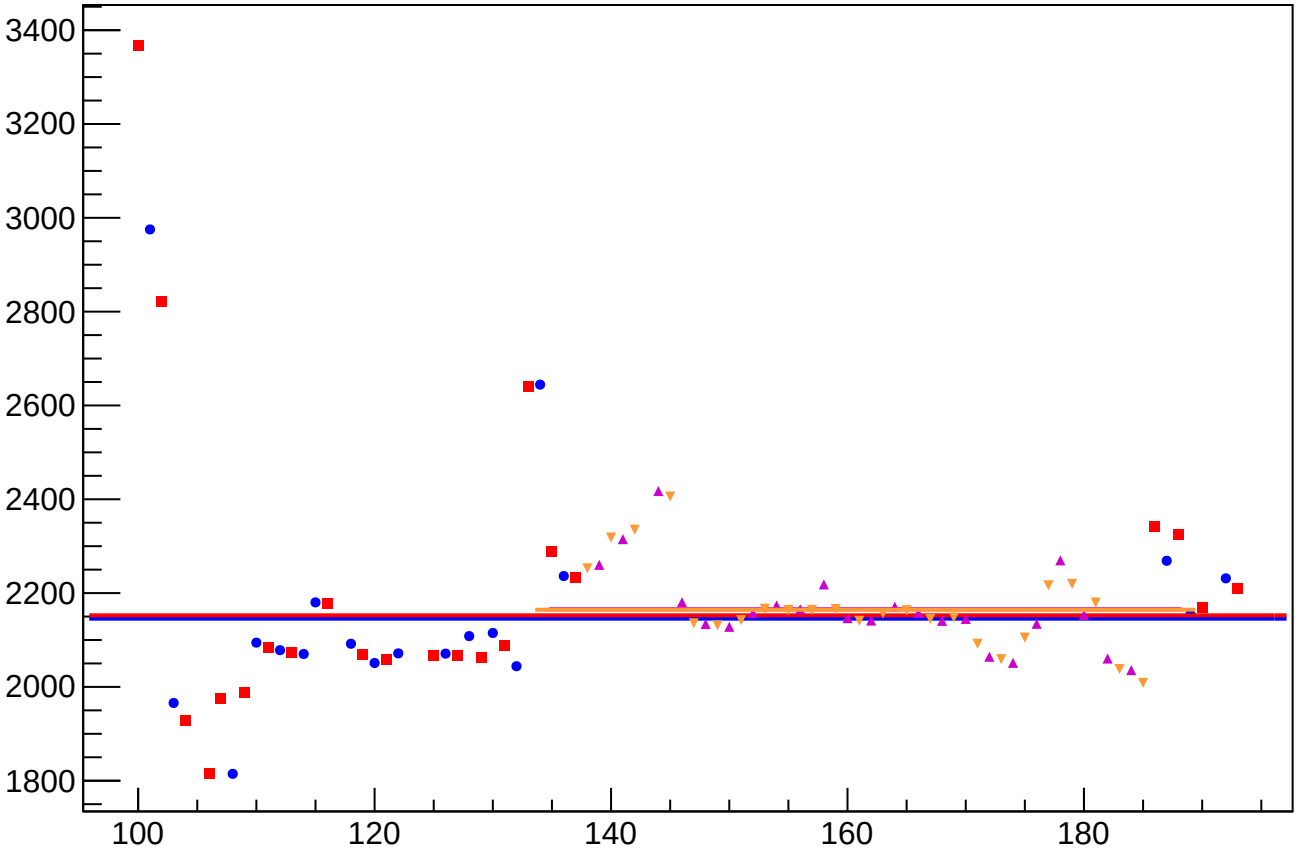
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -925.854+/-412.679 χ^2/NDF: 42.2/42

All: -313.894+/-290.677 χ^2/NDF: 79.1/87

- sign 288.665+/-409.497 χ^2/NDF: 32.6/44

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

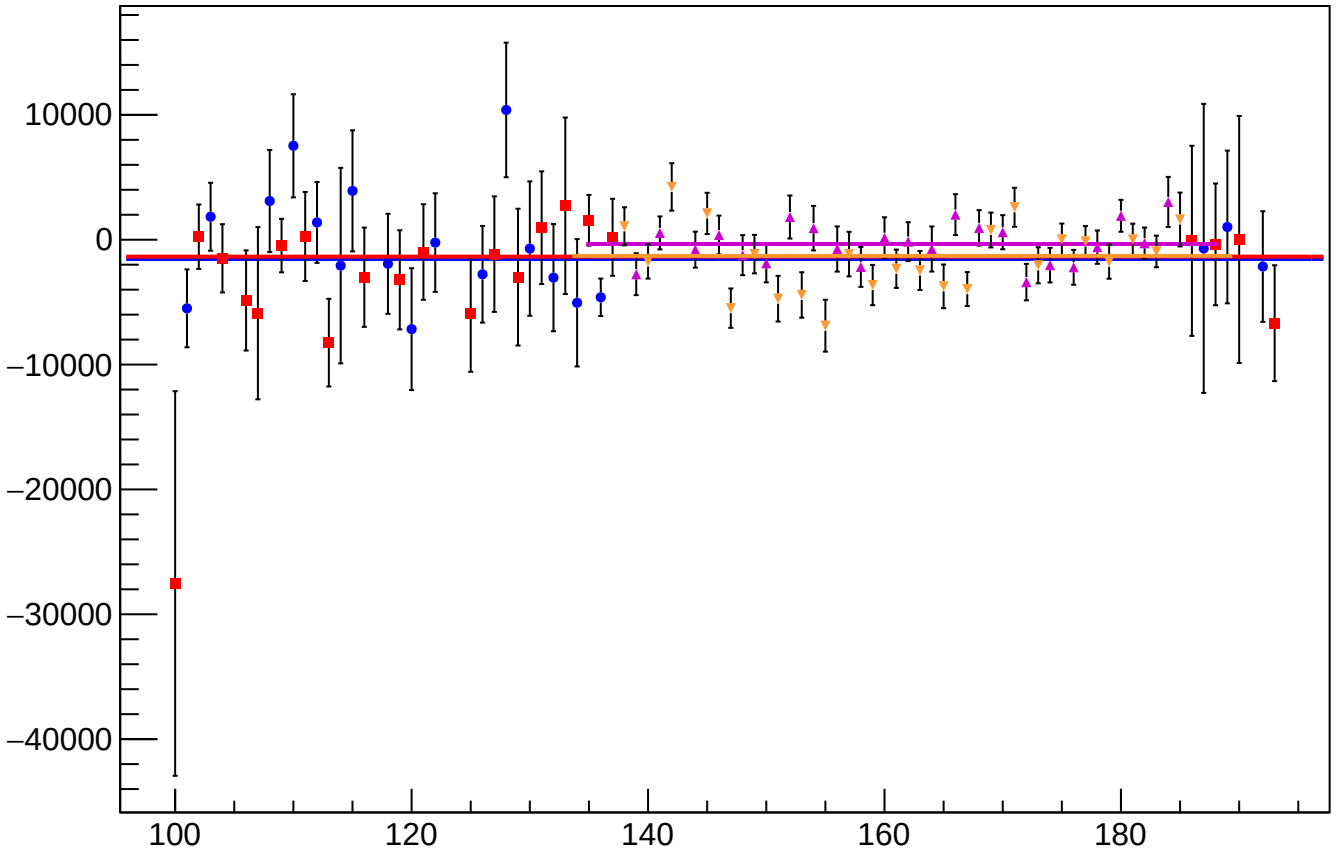
Right Out: 2152.594+/-0.493 χ^2/NDF: 184367.9/21

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2158.322+/-0.292 χ^2/NDF: 232204.0/42

All: 2159.741+/-0.206 χ^2/NDF: 469202.4/87

- sign 2161.139+/-0.290 χ^2/NDF: 236951.4/44



Right In: -1538.745+/-833.922 χ^2/NDF: 22.8/18

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

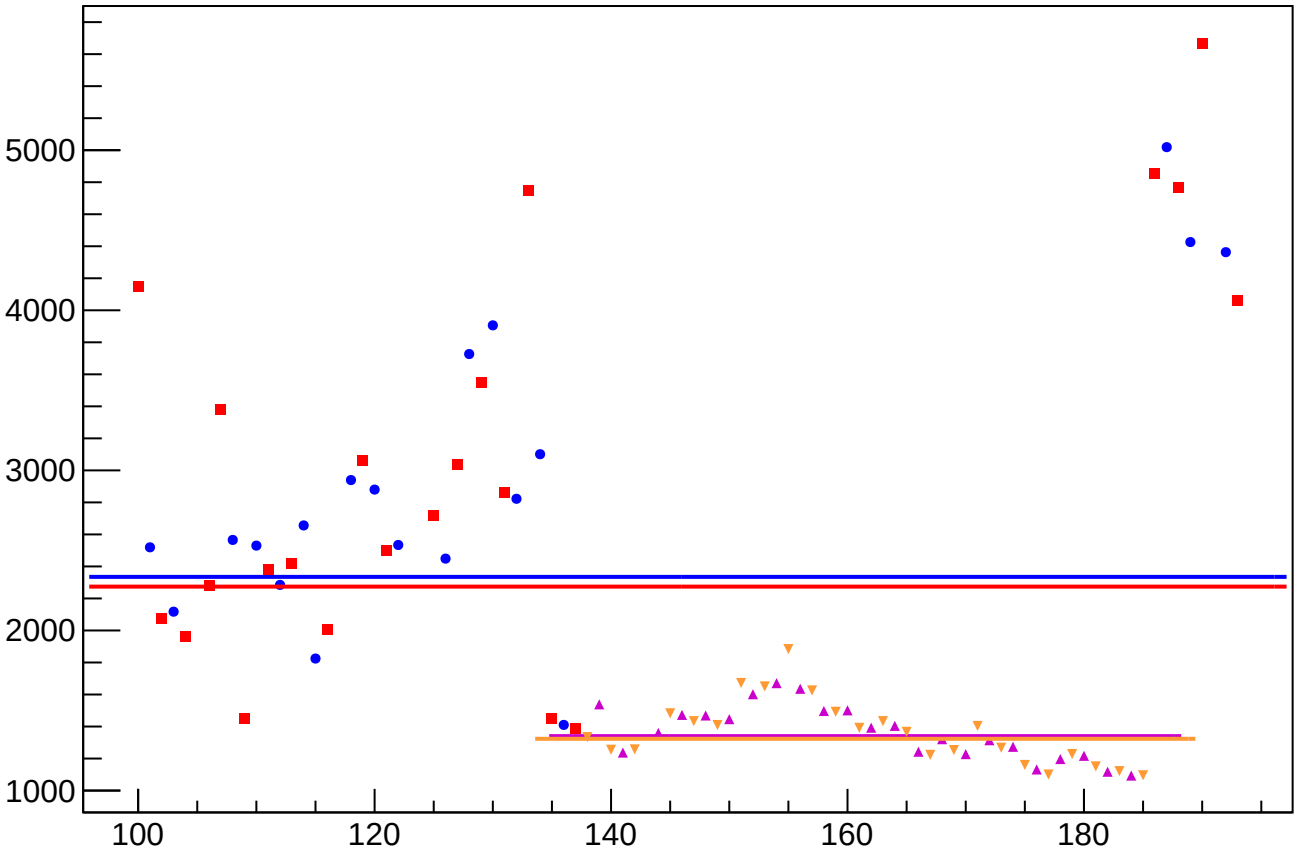
Right Out: -1355.416+/-789.585 χ^2/NDF: 14.5/21

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1323.570+/-291.084 χ^2/NDF: 81.6/42

All: -905.061+/-206.512 χ^2/NDF: 126.4/87

- sign -480.938+/-293.030 χ^2/NDF: 40.7/44



Right In: 2334.844+/-0.590 χ^2/NDF: 2030713.6/18

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

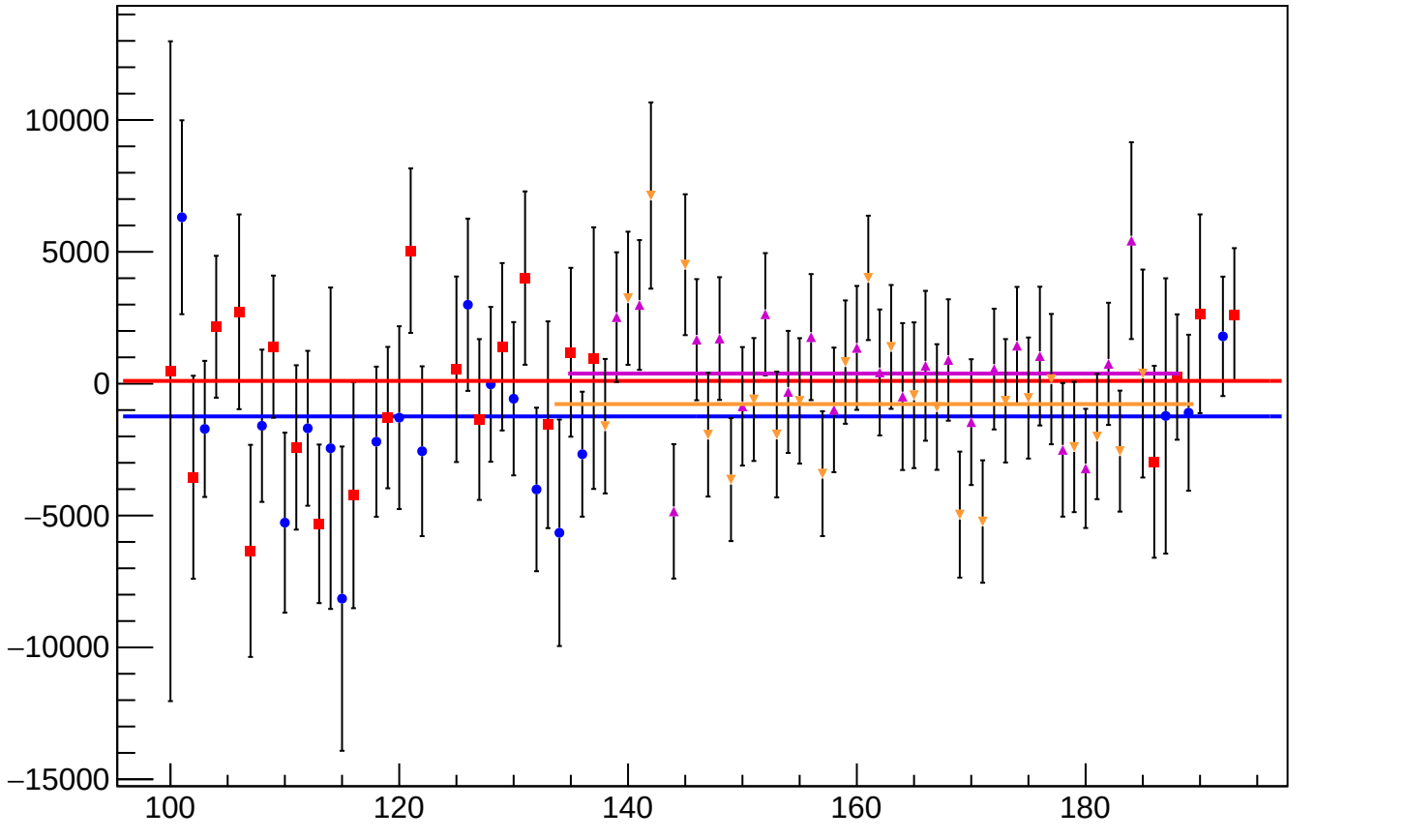
Right Out: 2273.978+/-0.558 χ^2/NDF: 2755304.4/21

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1446.636+/-0.206 χ^2/NDF: 5278229.7/42

All: 1457.599+/-0.146 χ^2/NDF: 10946032.3/8

- sign 1468.709+/-0.207 χ^2/NDF: 5662090.6/44



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: 105.421+/-696.974 χ^2/NDF: 16.8/21

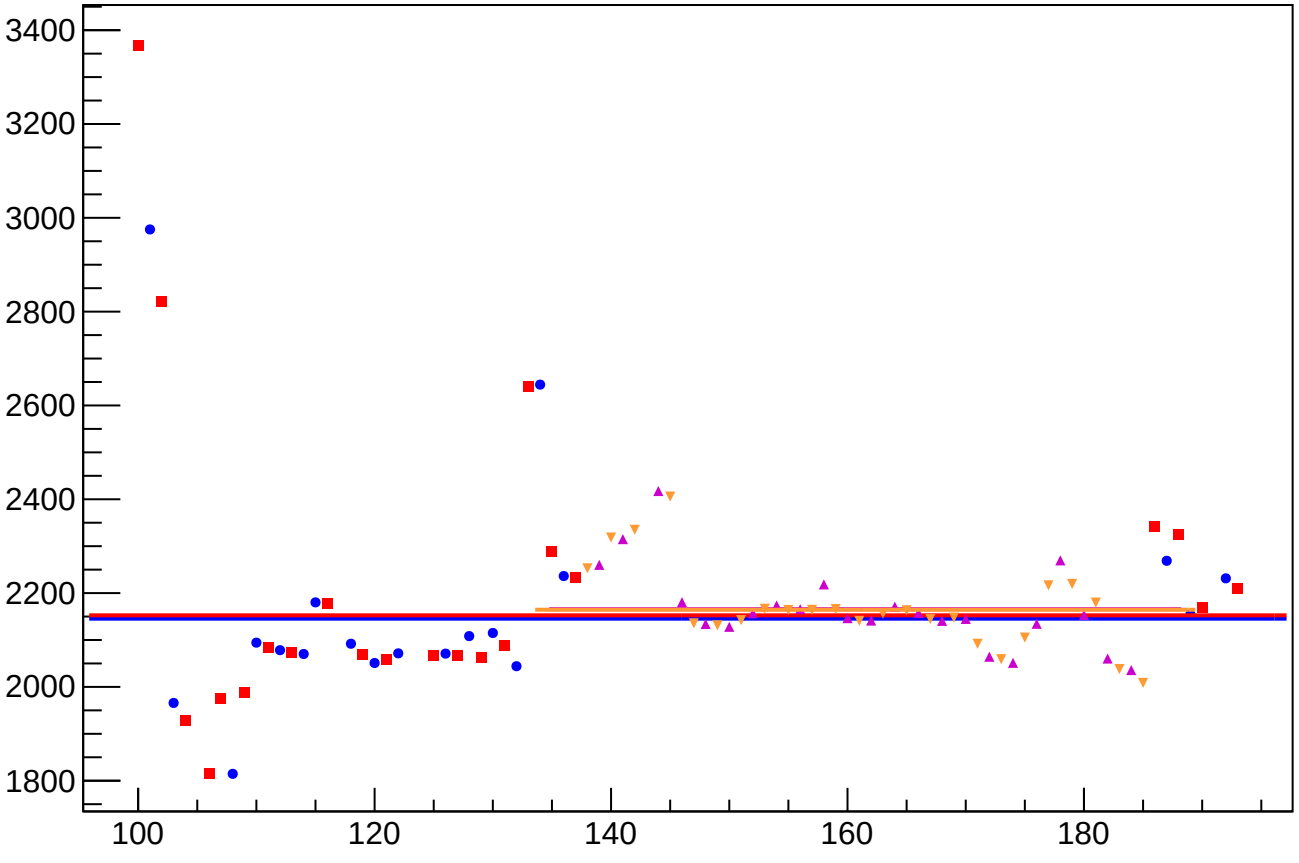
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -925.853+/-412.679 χ^2/NDF: 42.2/42

All: -313.893+/-290.676 χ^2/NDF: 79.1/87

- sign 288.666+/-409.497 χ^2/NDF: 32.6/44

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

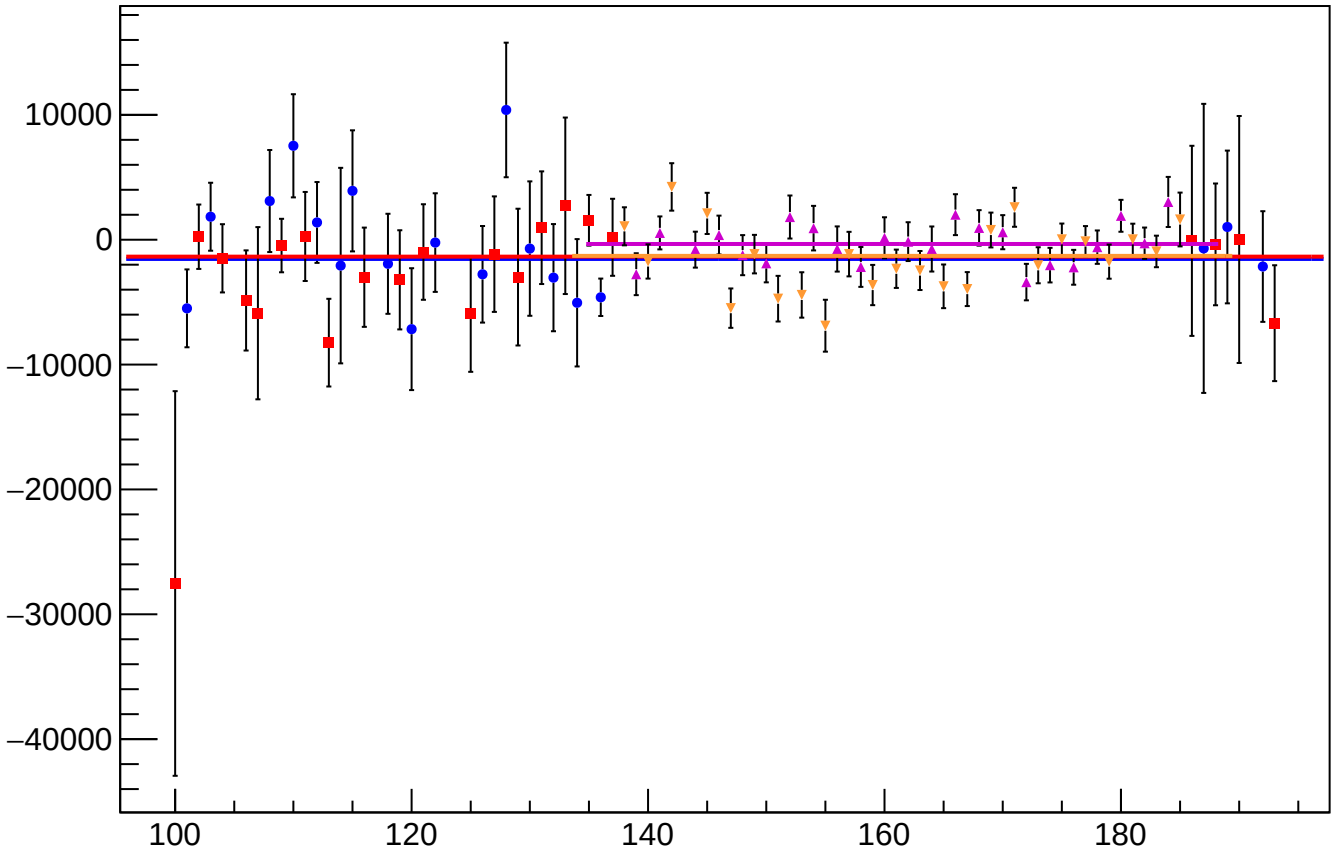
Right Out: 2152.594+/-0.493 χ^2/NDF: 184367.8/21

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2158.322+/-0.292 χ^2/NDF: 232204.0/42

All: 2159.741+/-0.206 χ^2/NDF: 469202.2/87

- sign 2161.138+/-0.290 χ^2/NDF: 236951.3/44



Right In: -1538.732+/-833.924 χ^2/NDF: 22.8/18

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

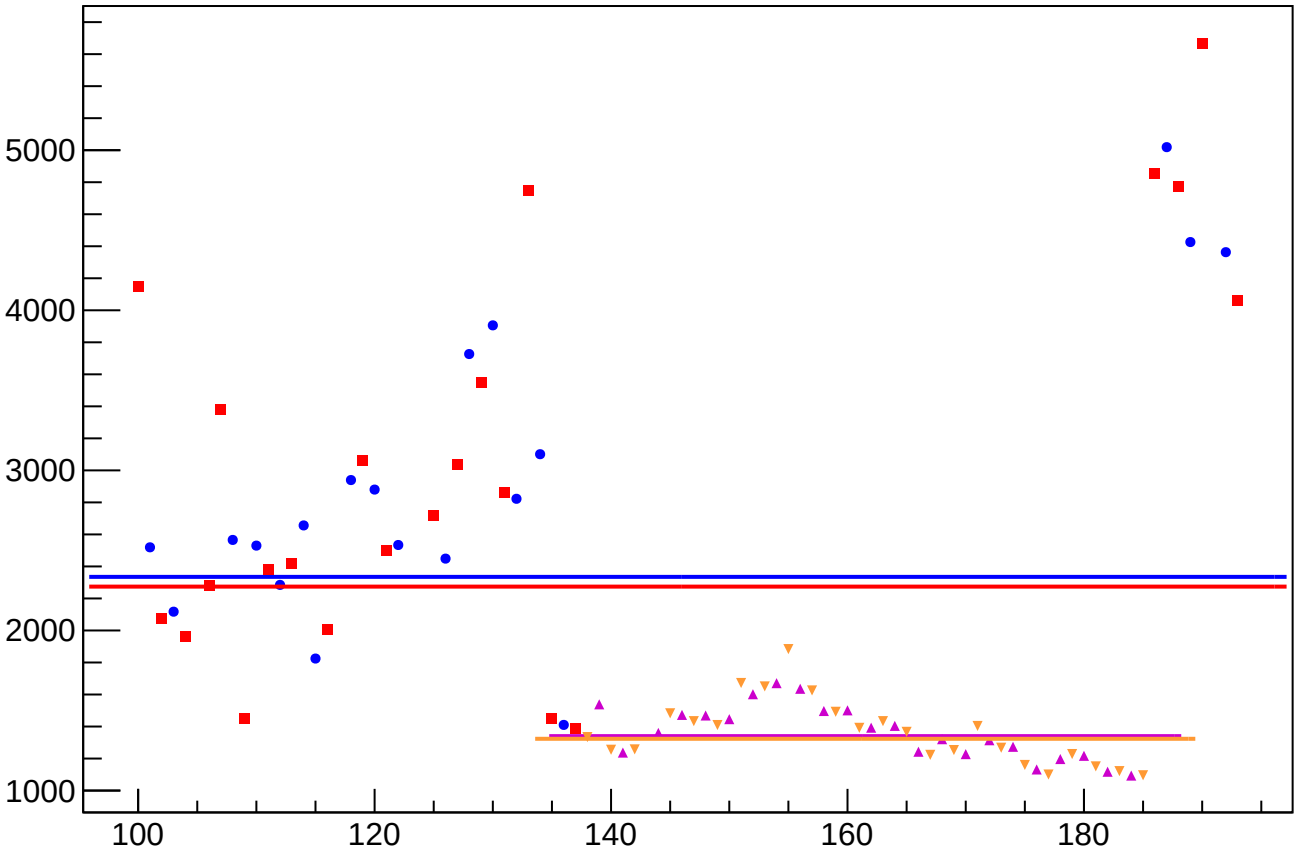
Right Out: -1355.432+/-789.588 χ^2/NDF: 14.5/21

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1323.569+/-291.085 χ^2/NDF: 81.6/42

All: -905.059+/-206.512 χ^2/NDF: 126.4/87

- sign -480.937+/-293.030 χ^2/NDF: 40.7/44



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: 2273.991+/-0.558 χ^2/NDF: 2755239.2/21

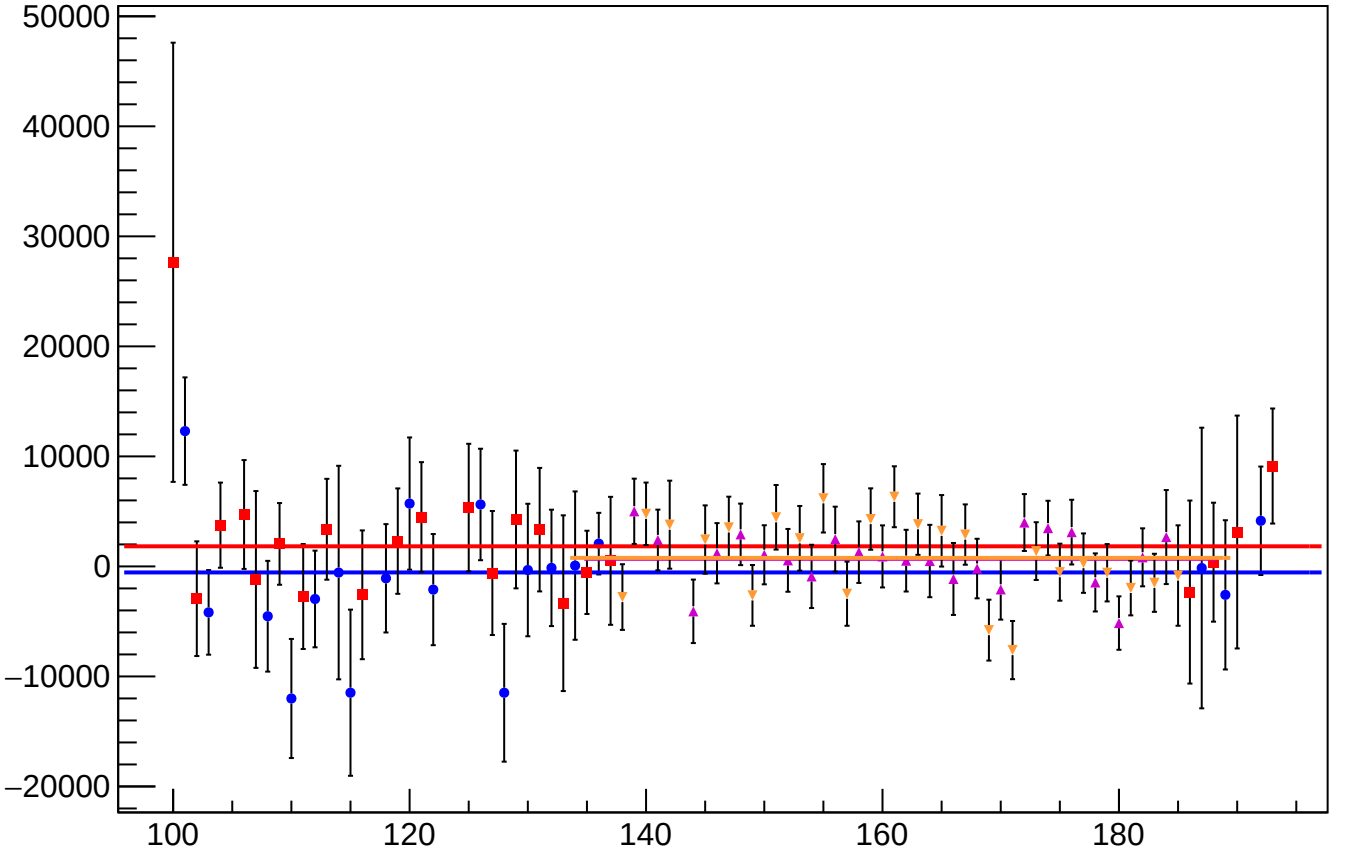
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1446.636+/-0.206 χ^2/NDF: 5278206.2/42

All: 1457.599+/-0.146 χ^2/NDF: 10946010.2/8

- sign 1468.708+/-0.207 χ^2/NDF: 5662092.6/44

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: 1826.067+/-1141.696 χ^2/NDF: 9.1/21

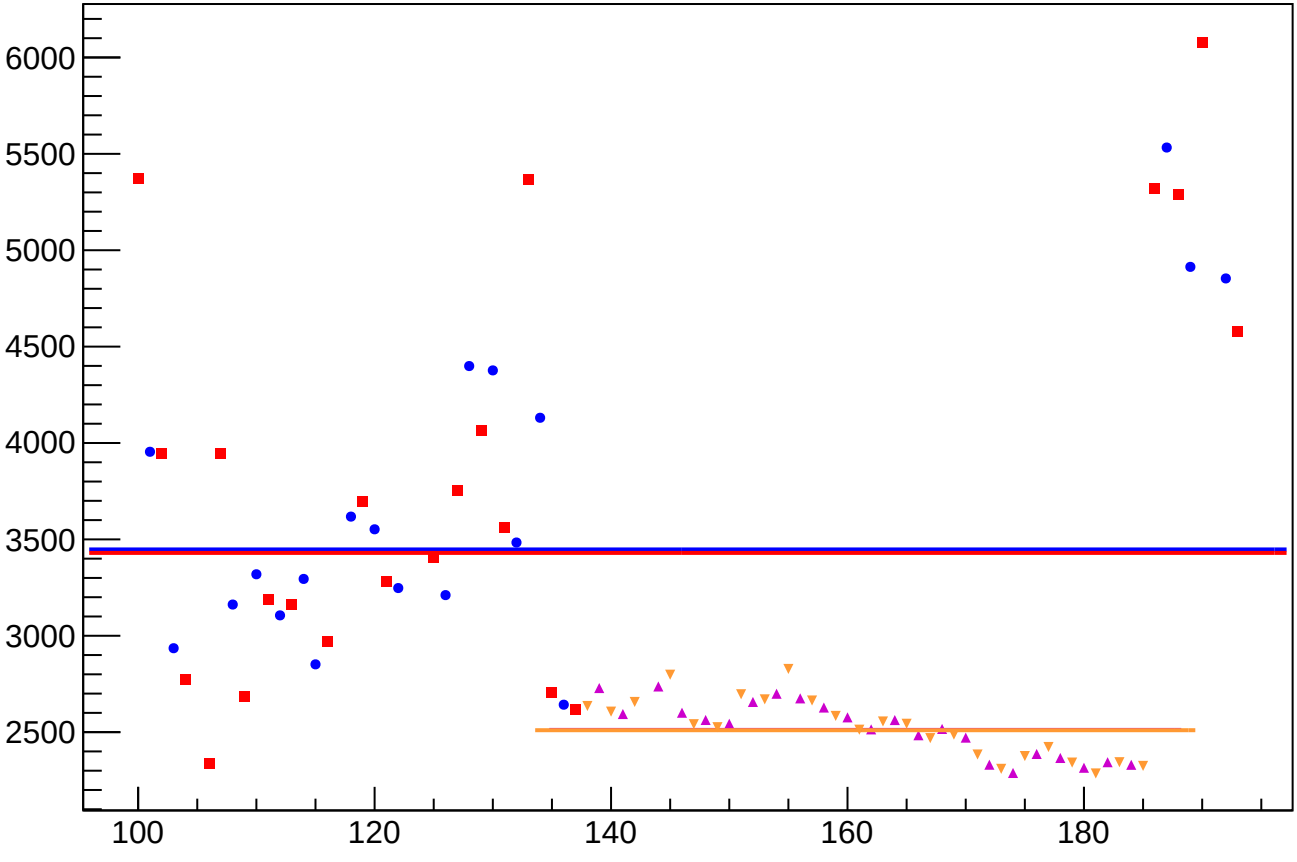
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

\+ sign 514.903+/-523.224 χ^2/NDF: 63.3/42

All: 721.692+/-369.664 χ^2/NDF: 91.8/87

\- sign 927.787+/-522.344 χ^2/NDF: 28.2/44

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

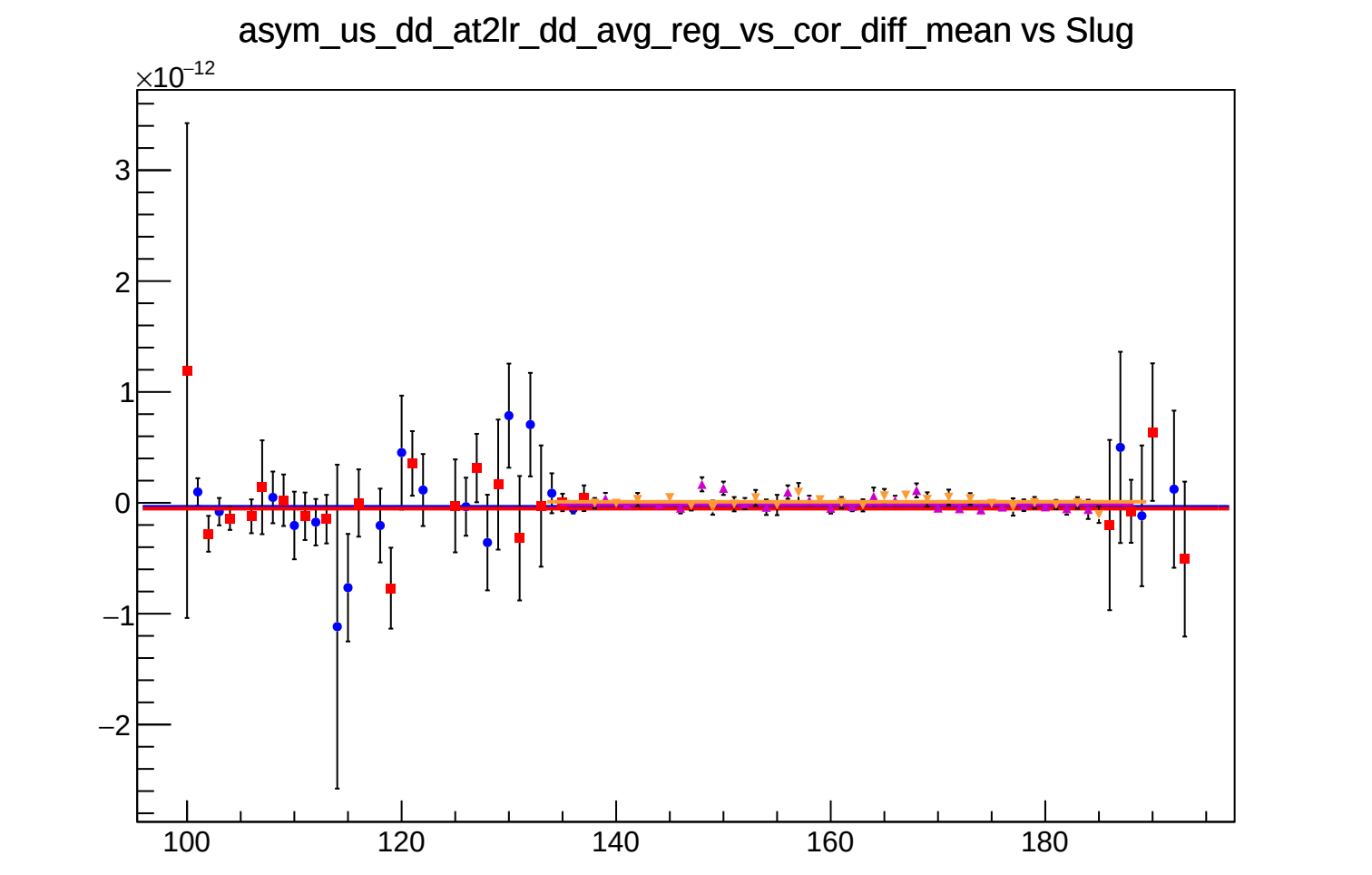
Right Out: 3429.890+/-0.807 χ^2/NDF: 1133834.4/21

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2694.301+/-0.370 χ^2/NDF: 1832471.9/42

All: 2699.074+/-0.261 χ^2/NDF: 4103147.9/87

- sign 2703.831+/-0.369 χ^2/NDF: 2270343.7/44



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

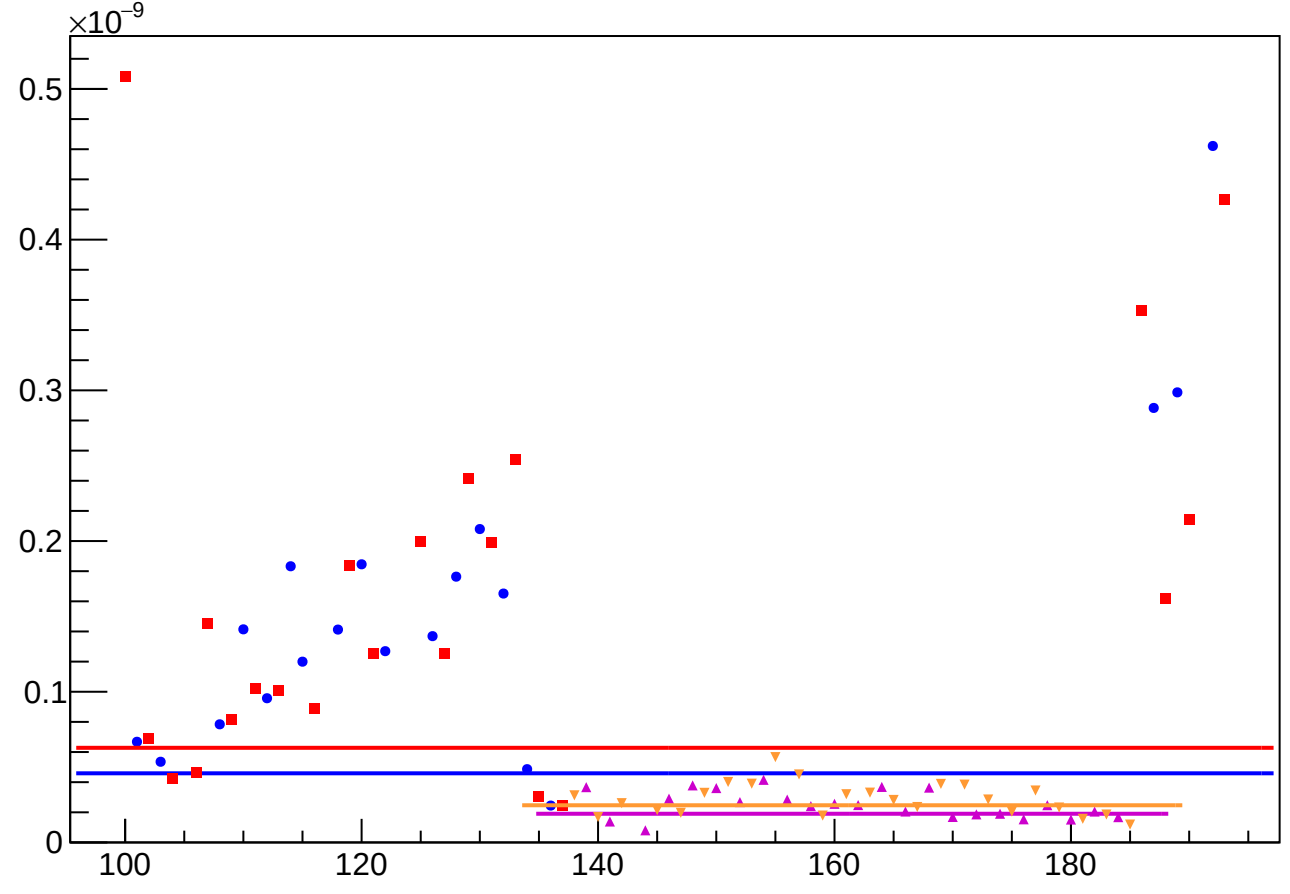
Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/21

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: 76.1/87

- sign -0.000+/-0.000 χ^2/NDF: 46.1/44



Right In: 0.000+/-0.000 χ^2/NDF: 3400567.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

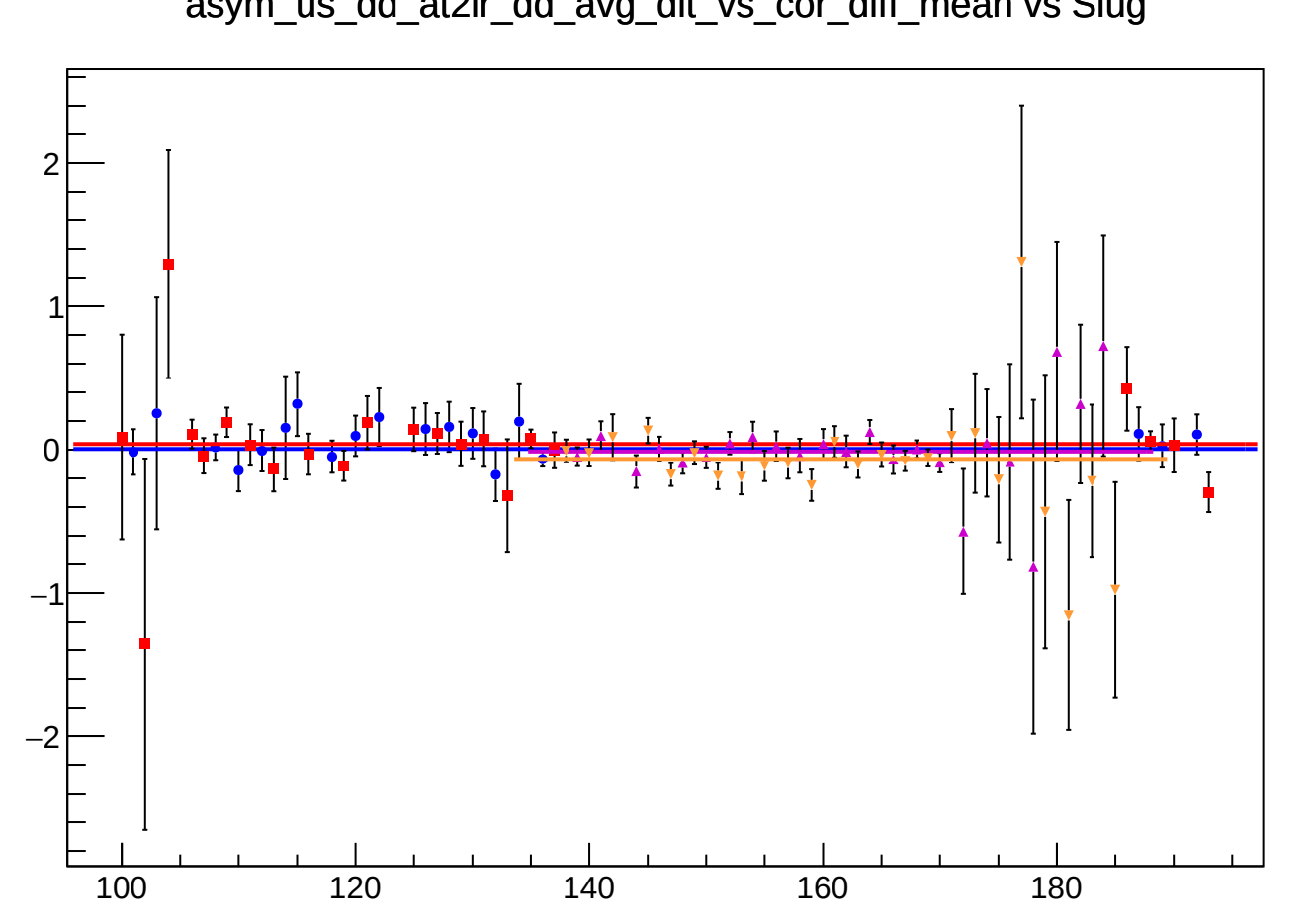
Right Out: 0.000+/-0.000 χ^2/NDF: 3307591.9/21

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5520830.6/42

All: 0.000+/-0.000 χ^2/NDF: 13437161.6/87

- sign 0.000+/-0.000 χ^2/NDF: 7526460.7/44



Right In: 0.005+/-0.030 χ^2/NDF: 11.3/18

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

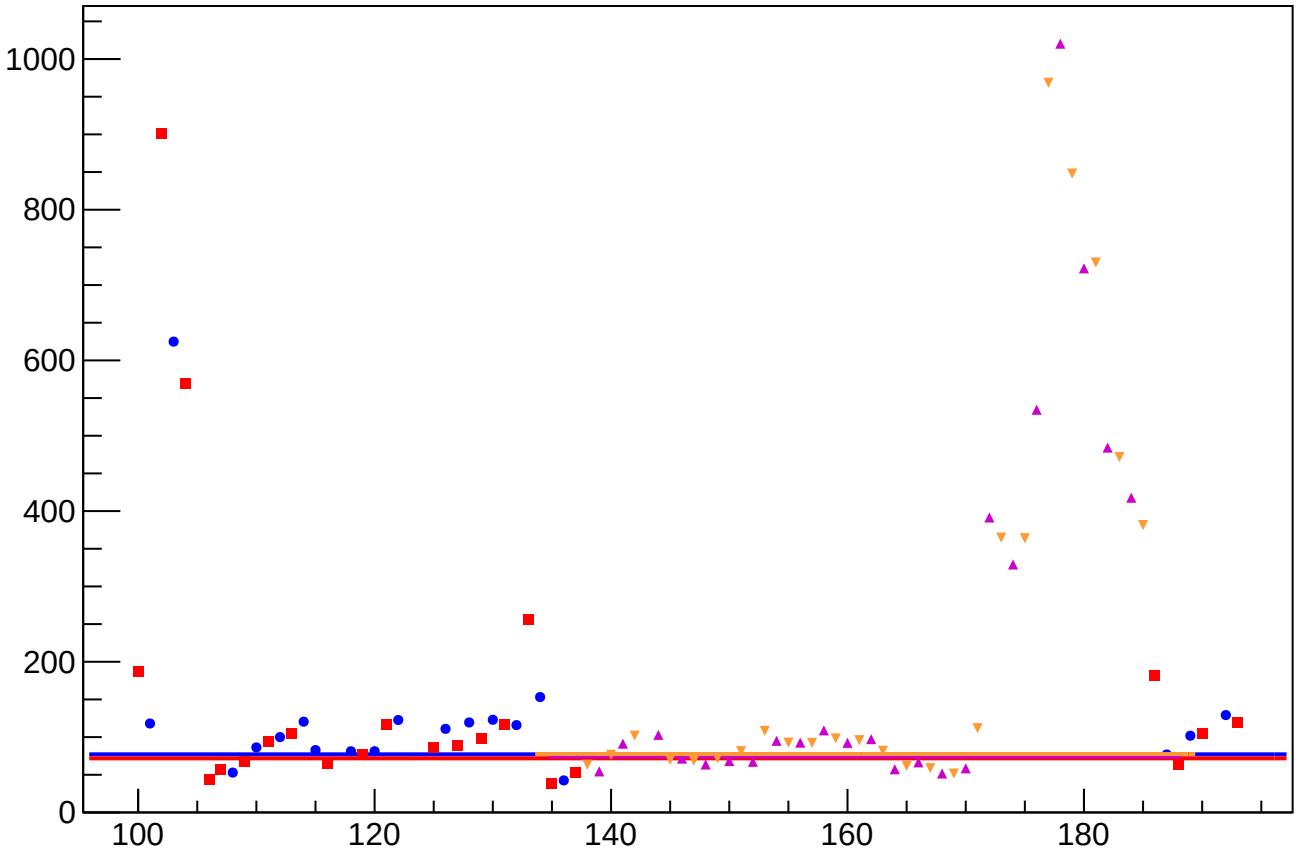
Right Out: 0.040+/-0.028 χ^2/NDF: 20.9/21

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.040+/-0.018 χ^2/NDF: 37.0/42

All: -0.016+/-0.012 χ^2/NDF: 78.8/87

- sign 0.006+/-0.017 χ^2/NDF: 38.2/44



Right In: 77.140+/-0.021 χ^2/NDF: 3216938.9/18

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

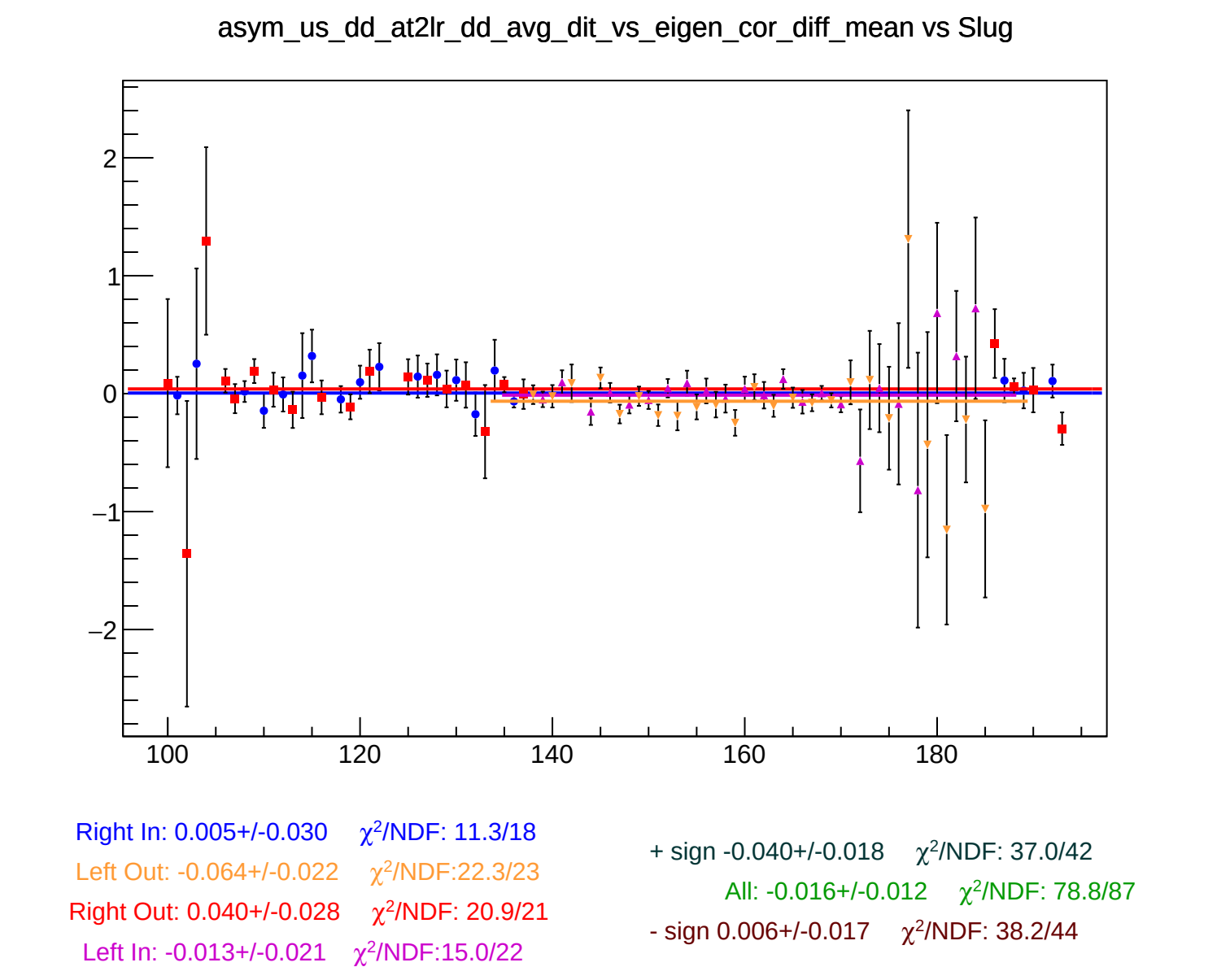
Right Out: 71.802+/-0.020 χ^2/NDF: 3958476.5/21

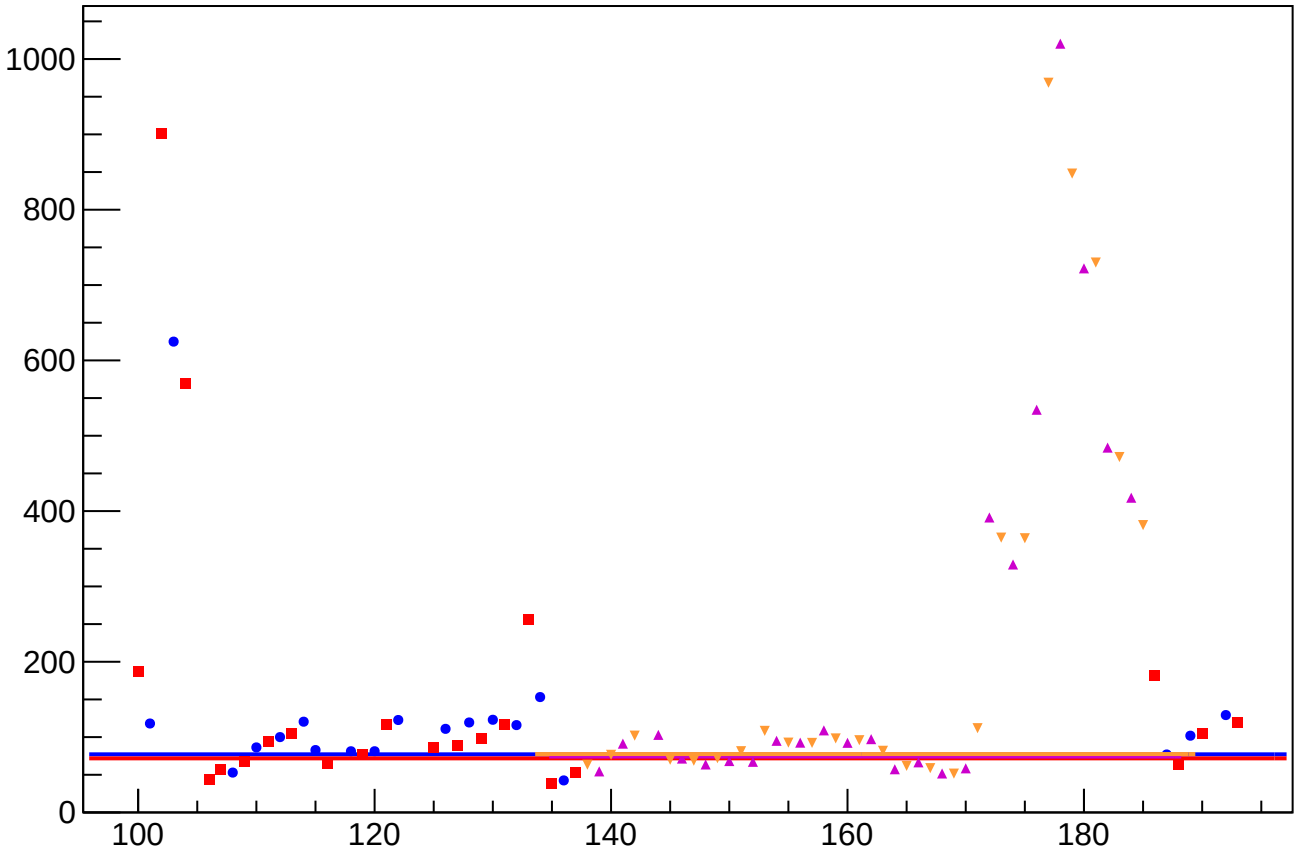
Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

\+ sign 77.397+/-0.013 χ^2/NDF: 11548352.4/42

All: 75.246+/-0.009 χ^2/NDF: 24085204.9/87

\- sign 73.335+/-0.012 χ^2/NDF: 12482089.7/44


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: 0.040+/-0.028 χ²/NDF: 20.9/21
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.040+/-0.018 χ²/NDF: 37.0/42
All: -0.016+/-0.012 χ²/NDF: 78.8/87
- sign 0.006+/-0.017 χ²/NDF: 38.2/44



Right In: 77.140+/-0.021 χ^2/NDF: 3216938.9/18

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

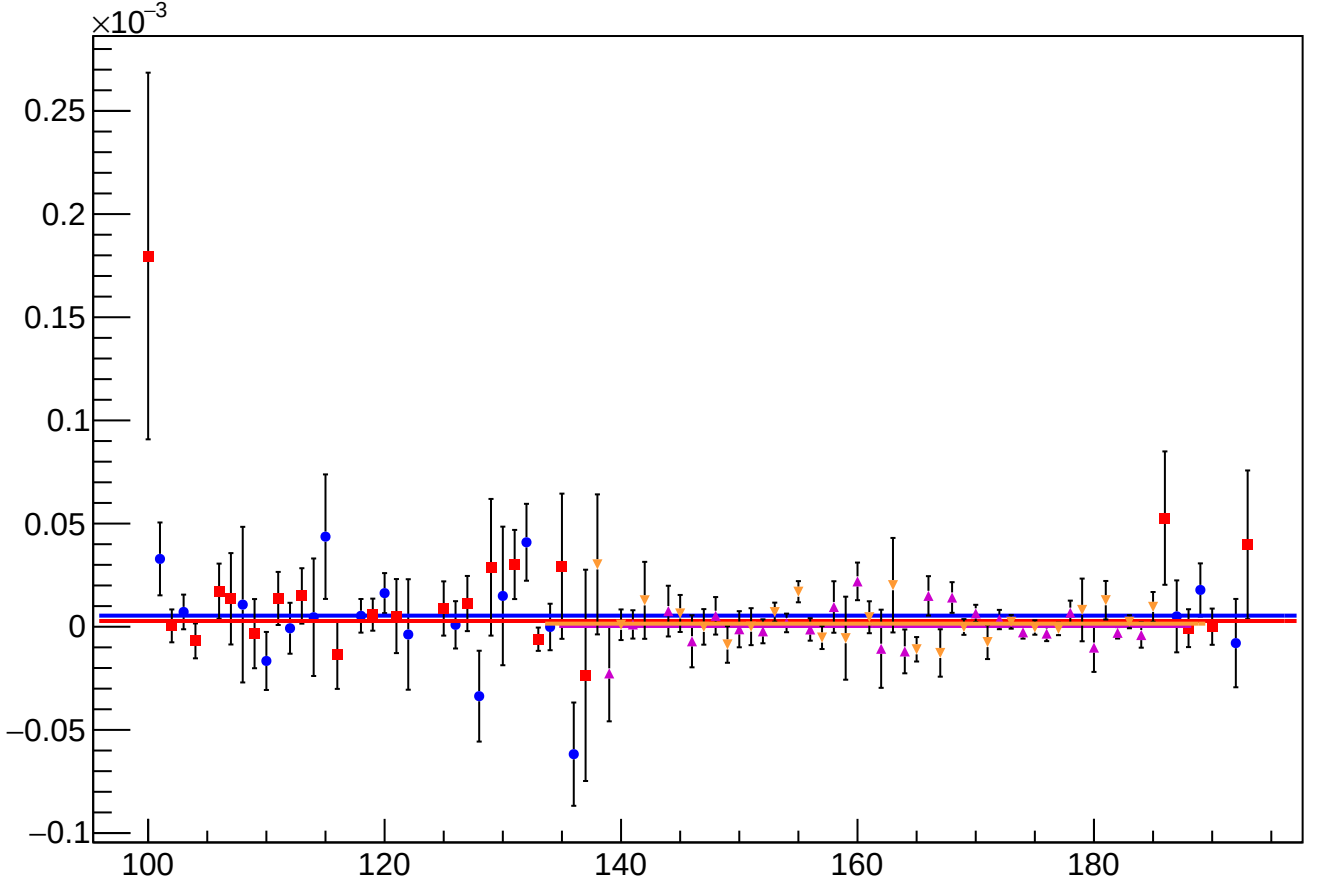
Right Out: 71.802+/-0.020 χ^2/NDF: 3958476.5/21

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

\+ sign 77.397+/-0.013 χ^2/NDF: 11548352.4/42

All: 75.246+/-0.009 χ^2/NDF: 24085204.9/87

\- sign 73.335+/-0.012 χ^2/NDF: 12482089.7/44



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

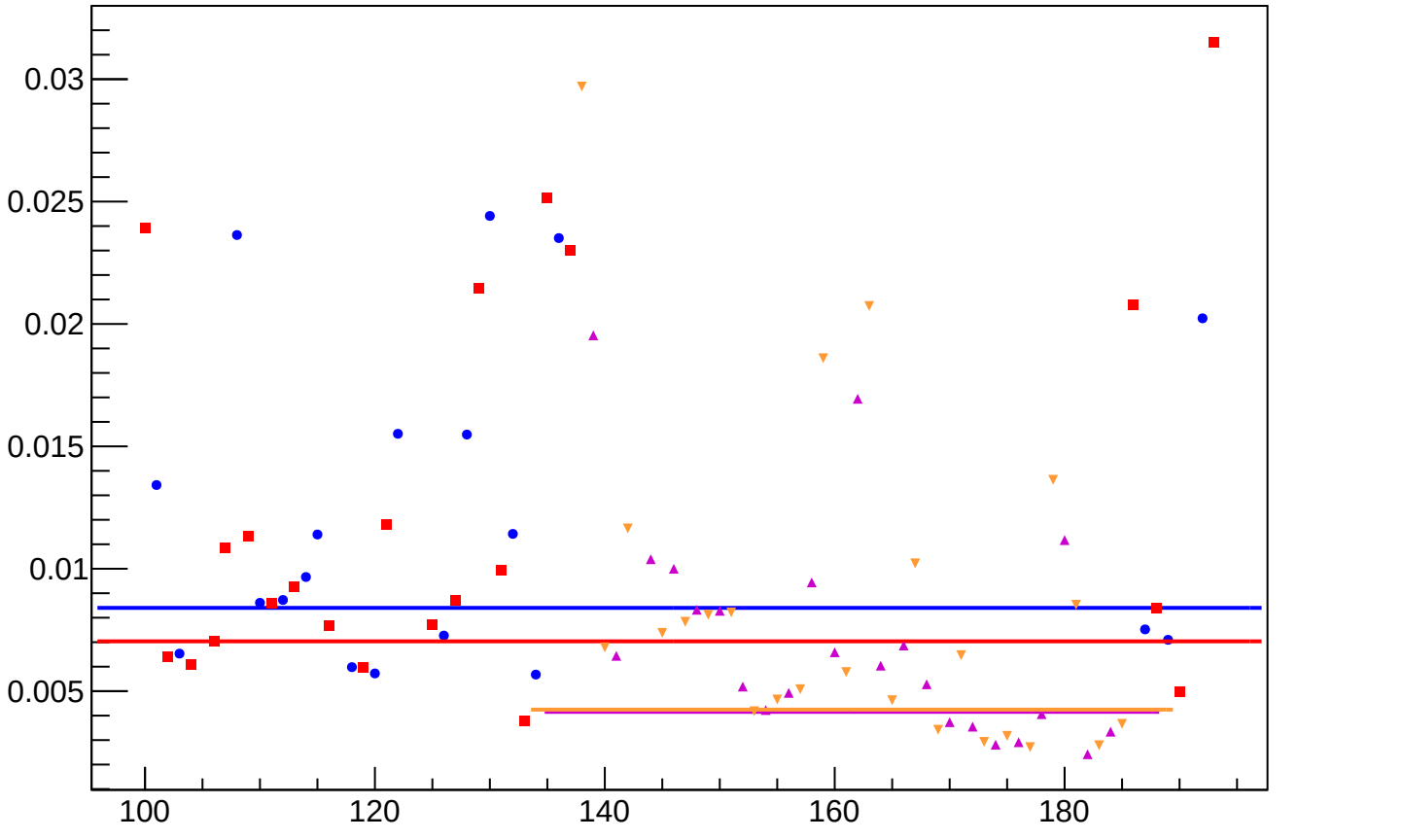
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/21

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: 98.6/87

- sign 0.000+/-0.000 χ^2/NDF: 45.8/44



Right In: 0.008+/-0.000 χ^2/NDF: 3298054.2/18

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

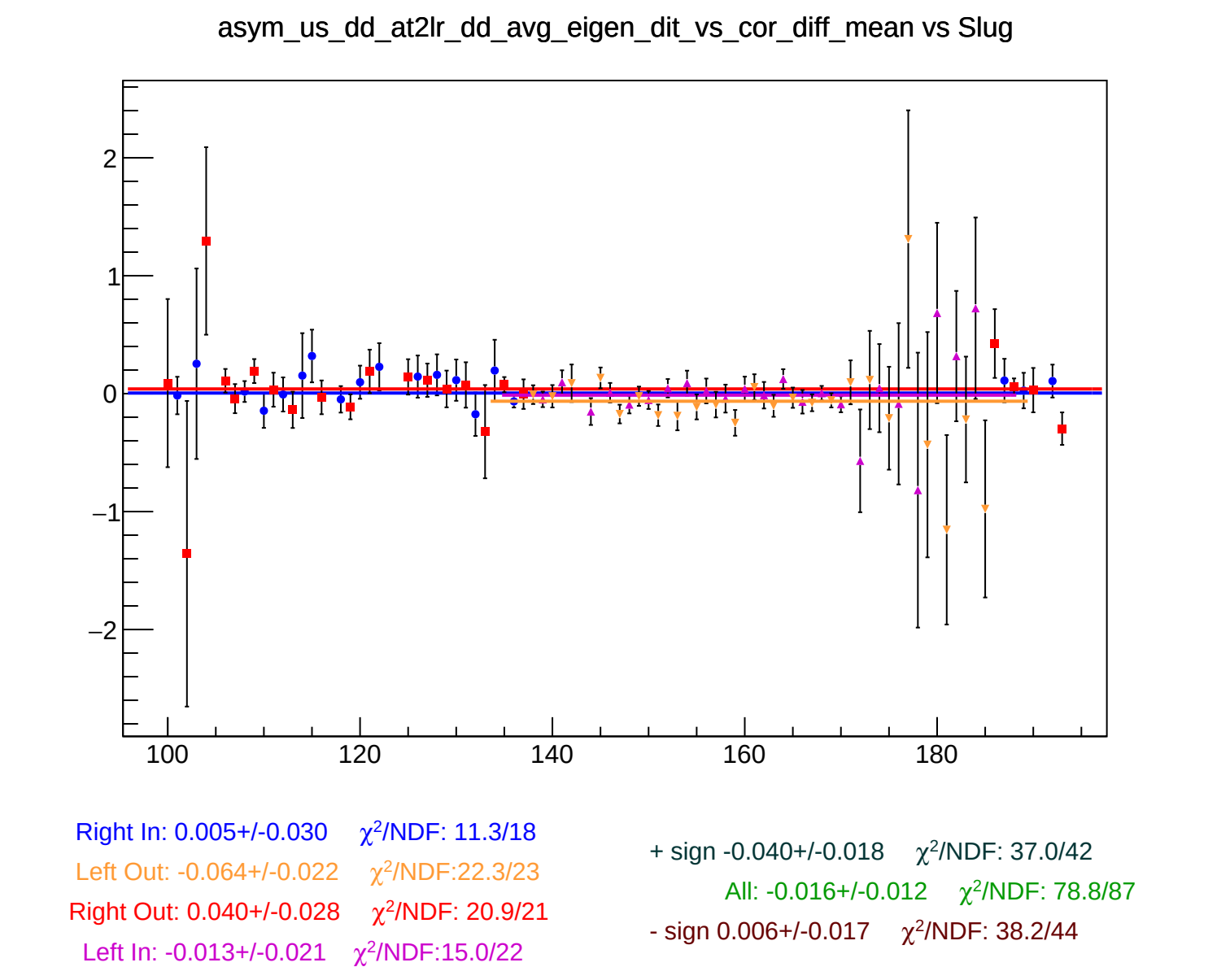
Right Out: 0.007+/-0.000 χ^2/NDF: 3872416.1/21

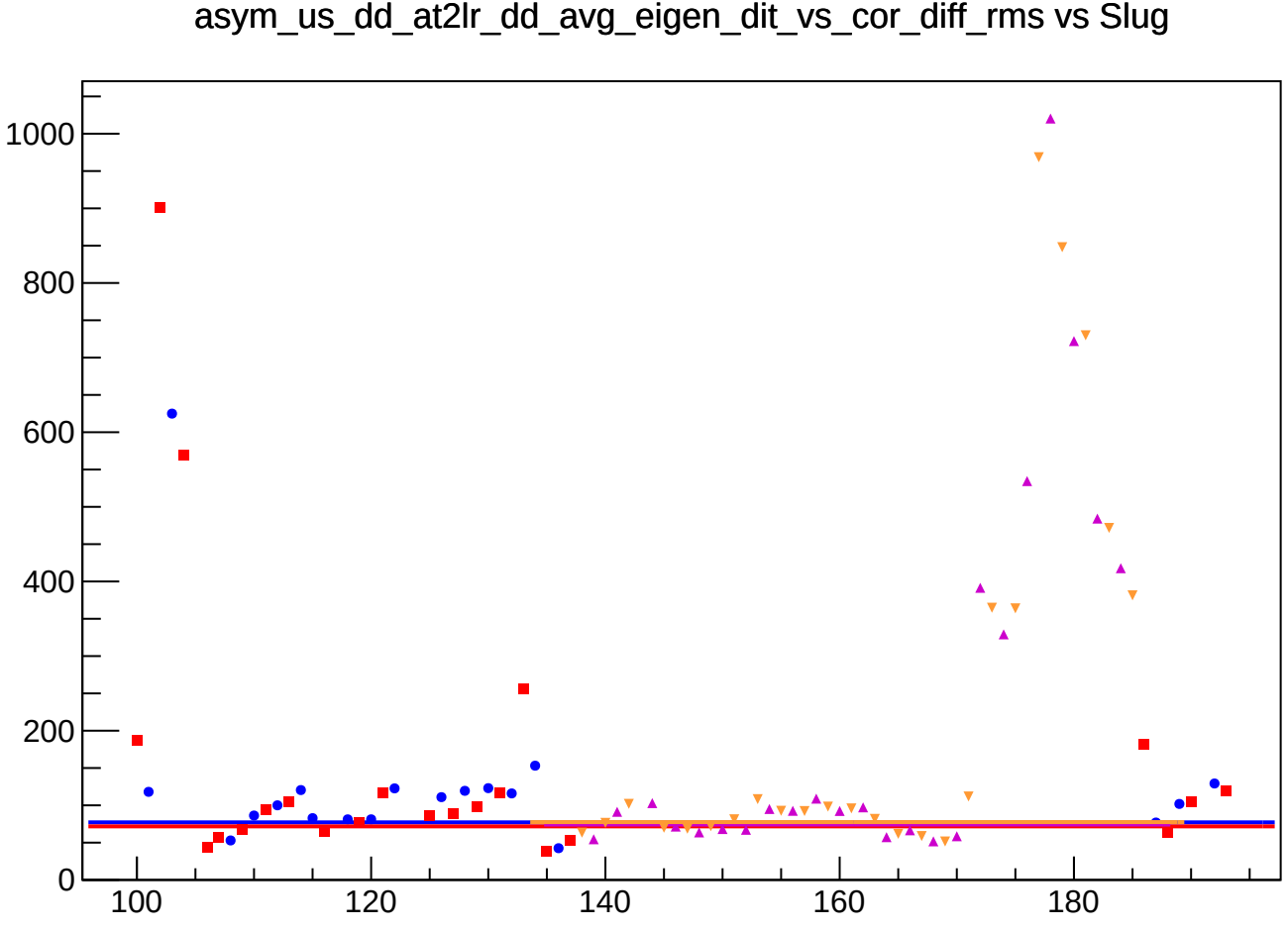
Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 14820951.5/42

All: 0.005+/-0.000 χ^2/NDF: 27651140.3/87

- sign 0.005+/-0.000 χ^2/NDF: 12828106.3/44


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: 0.040+/-0.028 χ²/NDF: 20.9/21
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.040+/-0.018 χ²/NDF: 37.0/42
All: -0.016+/-0.012 χ²/NDF: 78.8/87
- sign 0.006+/-0.017 χ²/NDF: 38.2/44



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: 71.793+/-0.020 χ^2/NDF: 3959523.5/21

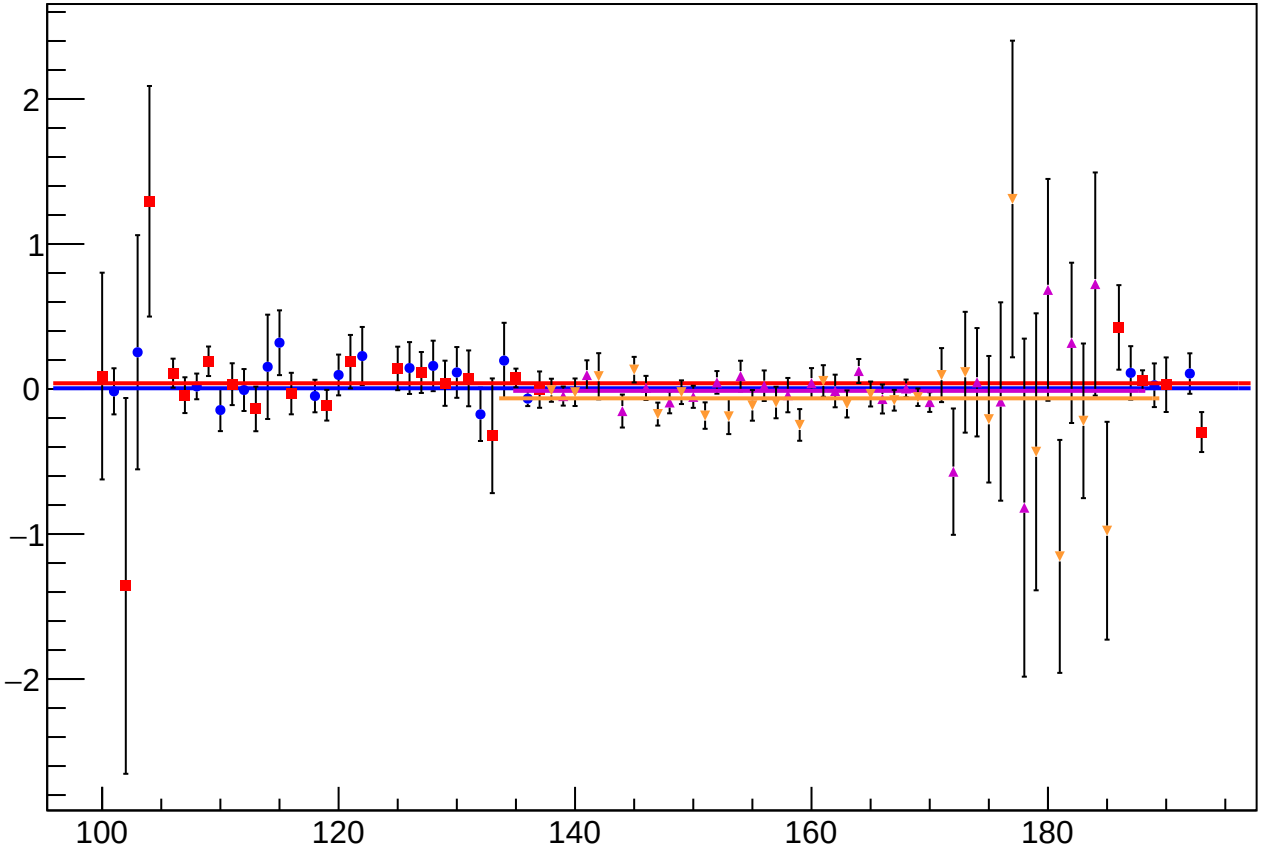
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 77.405+/-0.013 χ^2/NDF: 11545487.3/42

All: 75.248+/-0.009 χ^2/NDF: 24083455.8/87

- sign 73.333+/-0.012 χ^2/NDF: 12482926.4/44

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.030 χ^2/NDF: 11.3/18

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

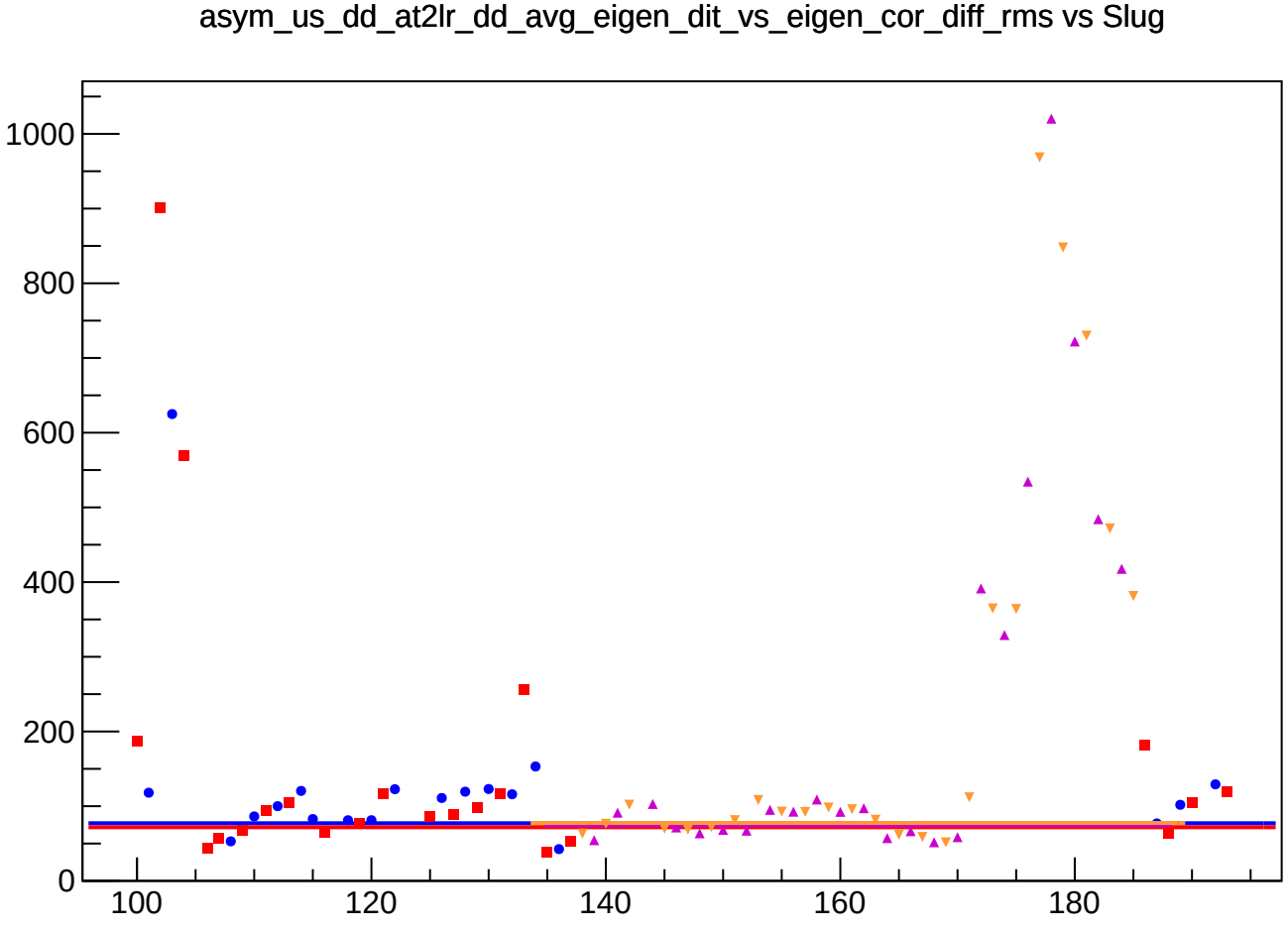
Right Out: 0.040+/-0.028 χ^2/NDF: 20.9/21

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.040+/-0.018 χ^2/NDF: 37.0/42

All: -0.016+/-0.012 χ^2/NDF: 78.8/87

- sign 0.006+/-0.017 χ^2/NDF: 38.2/44



Right In: 77.164+/-0.021 χ^2/NDF: 3214187.0/18

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

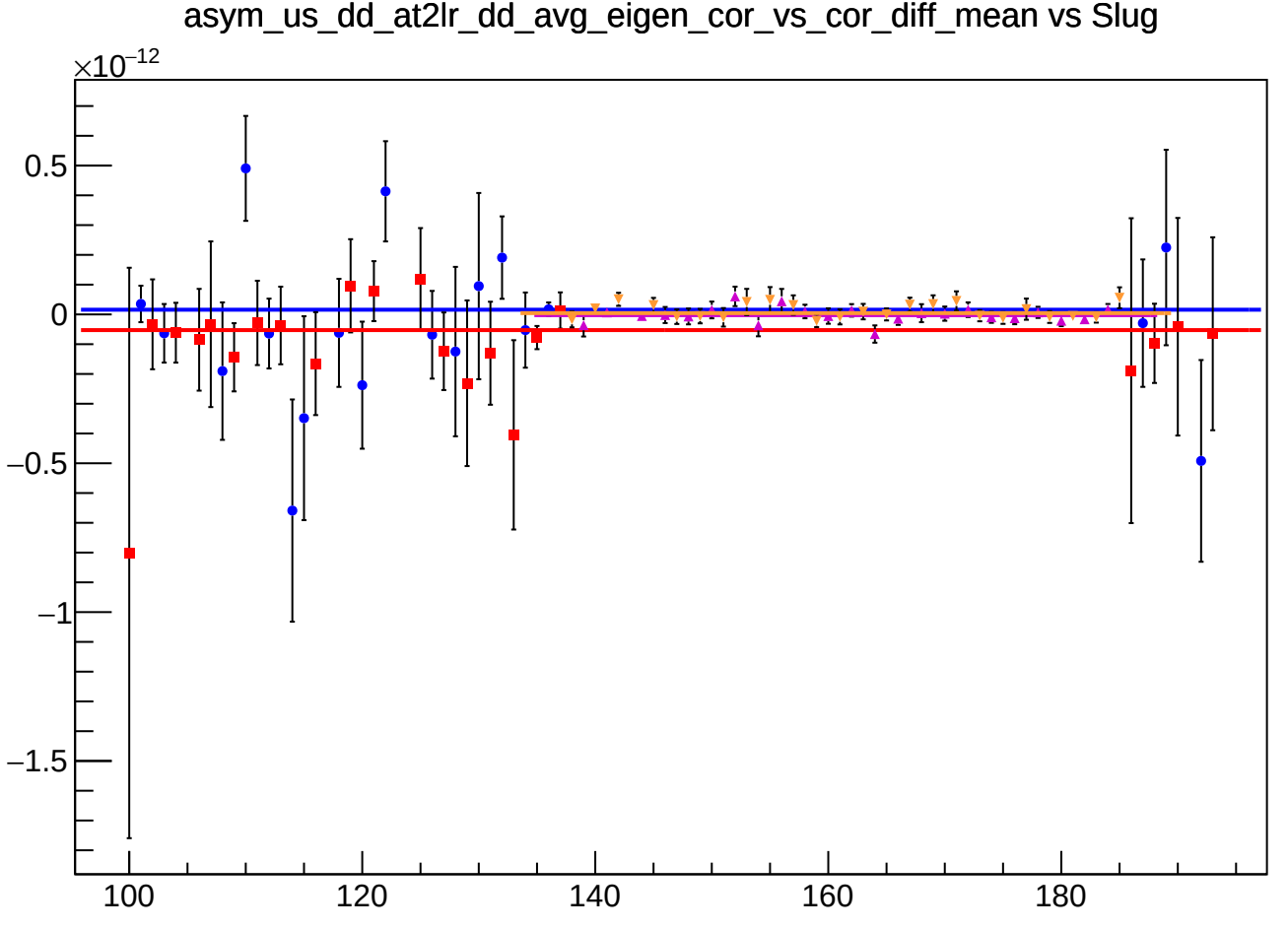
Right Out: 71.793+/-0.020 χ^2/NDF: 3959523.5/21

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

\+ sign 77.405+/-0.013 χ^2/NDF: 11545487.3/42

All: 75.248+/-0.009 χ^2/NDF: 24083455.8/87

\- sign 73.333+/-0.012 χ^2/NDF: 12482926.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 26.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

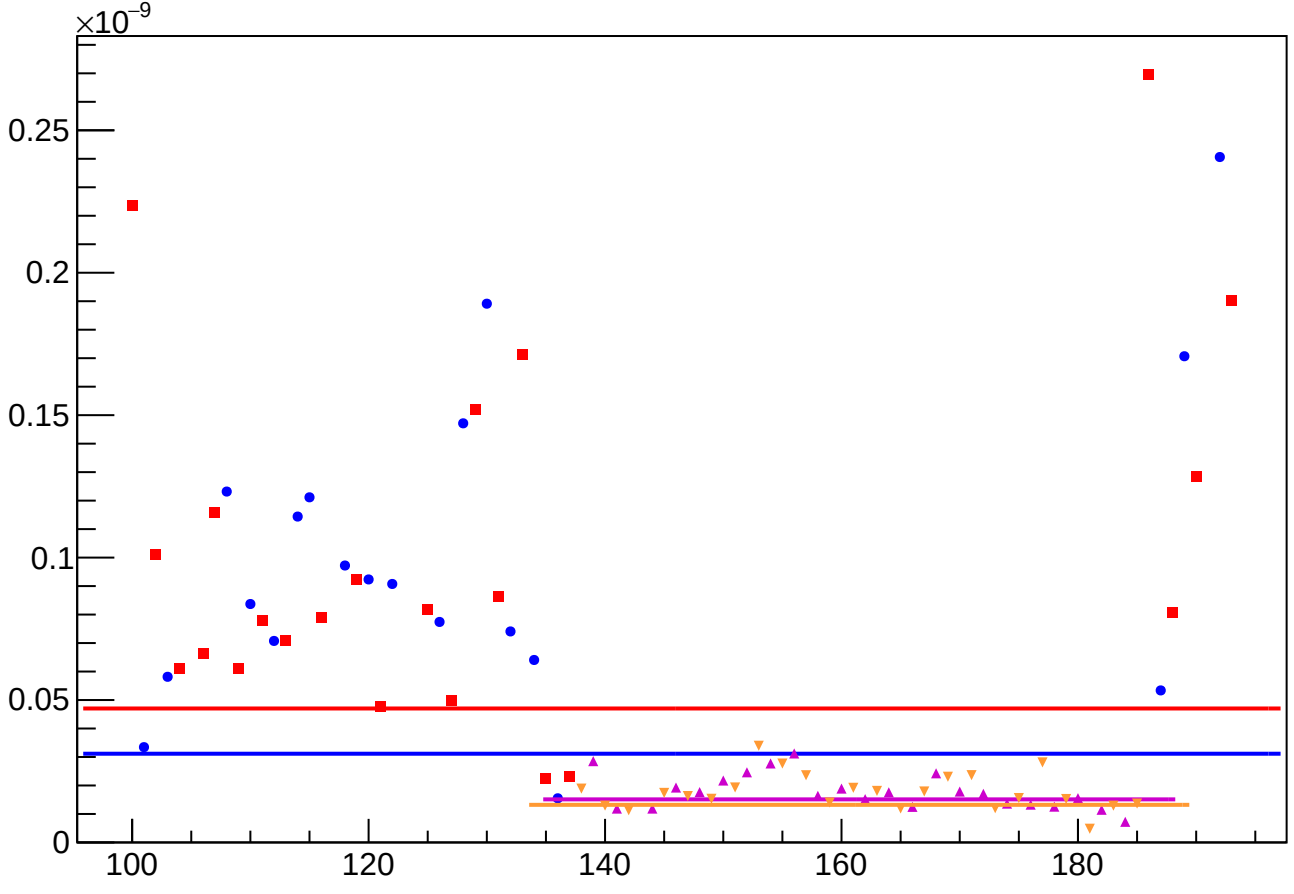
Right Out: -0.000+/-0.000 χ^2/NDF: 9.3/21

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: 81.2/87

- sign -0.000+/-0.000 χ^2/NDF: 30.9/44



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: 3800783.7/21

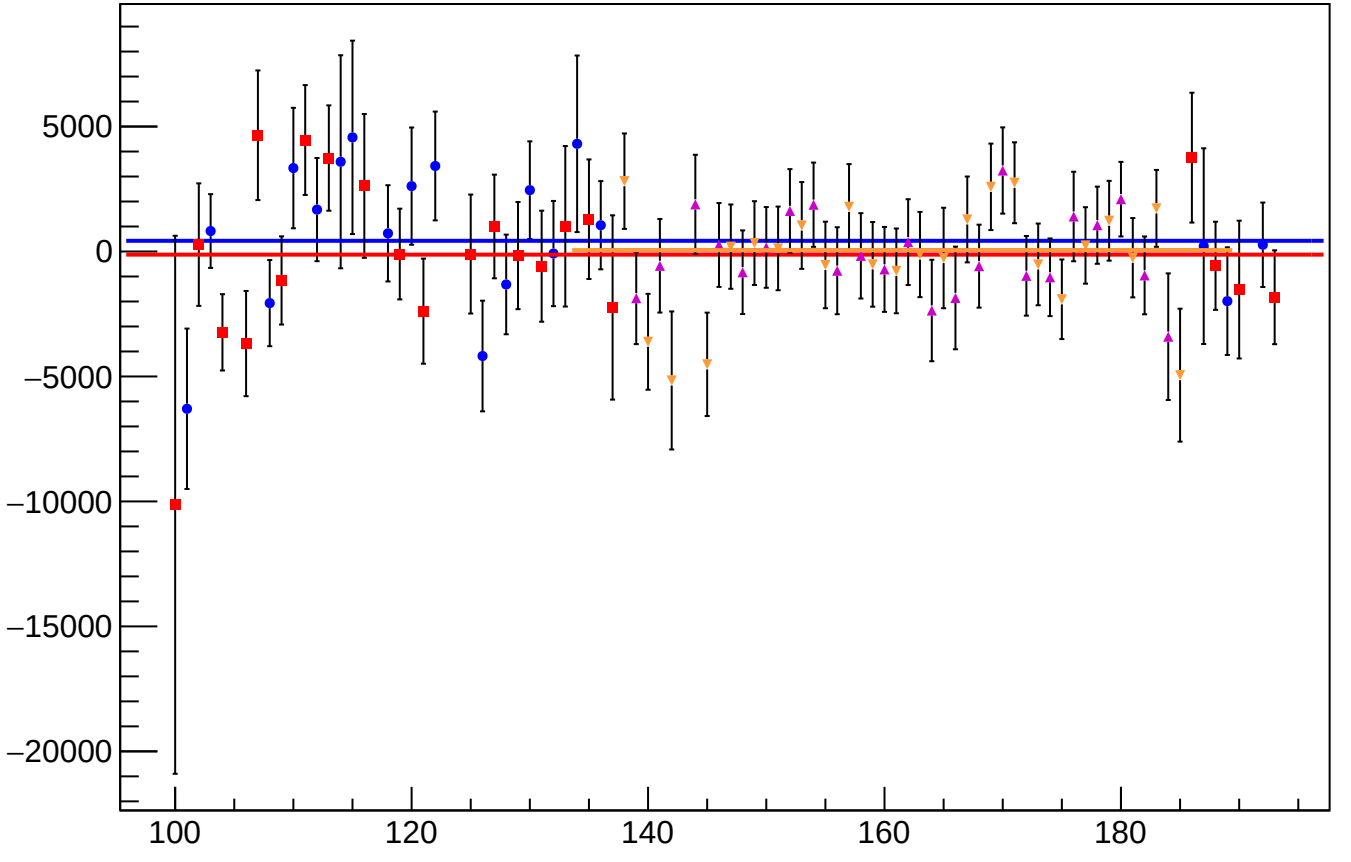
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11135717.2/42

All: 0.000+/-0.000 χ^2/NDF: 20676338.5/87

- sign 0.000+/-0.000 χ^2/NDF: 9294385.2/44

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: -125.456+/-474.458 χ^2/NDF: 25.9/21

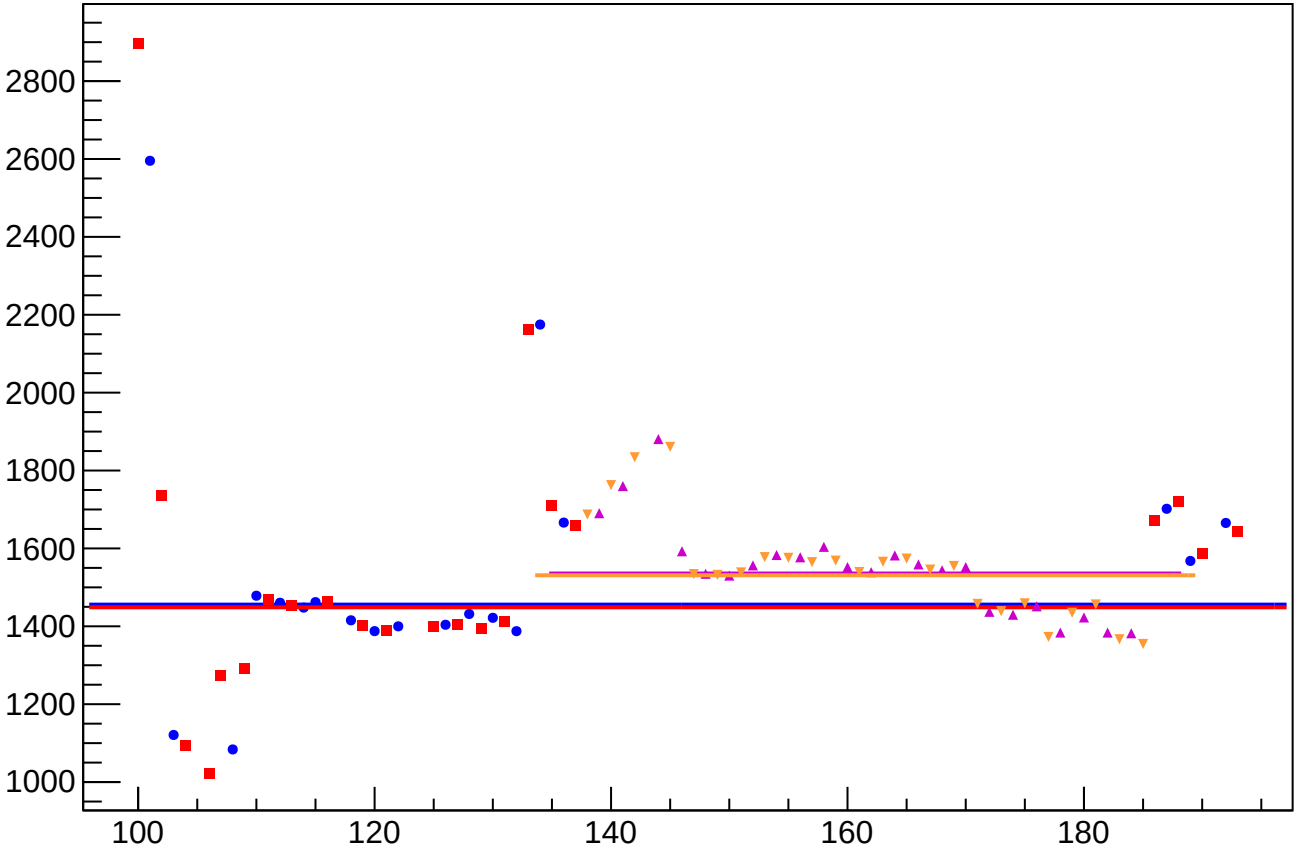
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 181.741+/-289.477 χ^2/NDF: 50.5/42

All: 82.292+/-203.649 χ^2/NDF: 93.6/87

- sign -15.158+/-286.552 χ^2/NDF: 42.8/44

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

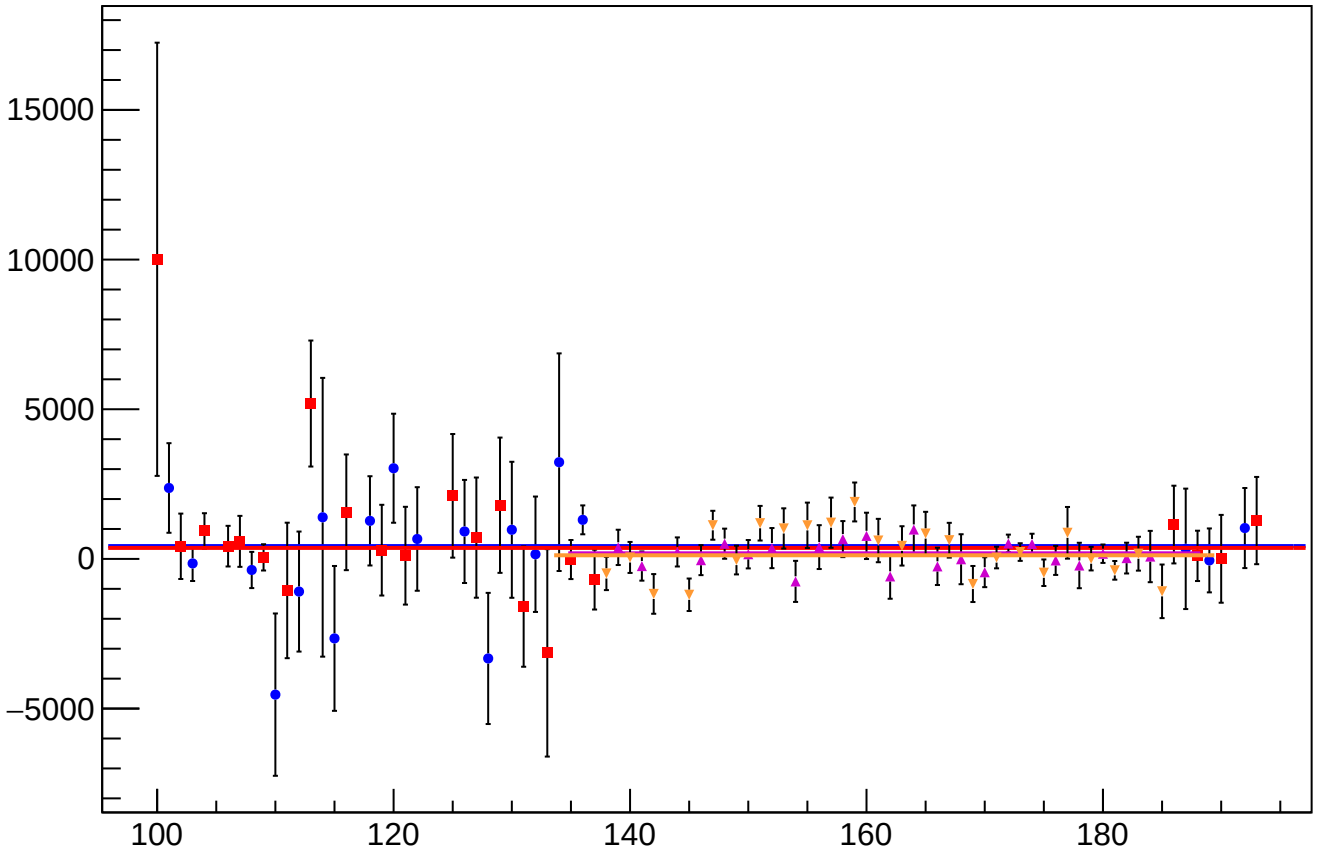
Right Out: 1448.777+/-0.335 χ^2/NDF: 504048.5/21

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1505.359+/-0.205 χ^2/NDF: 845853.8/42

All: 1504.621+/-0.144 χ^2/NDF: 1584857.1/87

- sign 1503.899+/-0.203 χ^2/NDF: 738977.6/44



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: 367.546+/-216.949 χ^2/NDF: 14.8/21

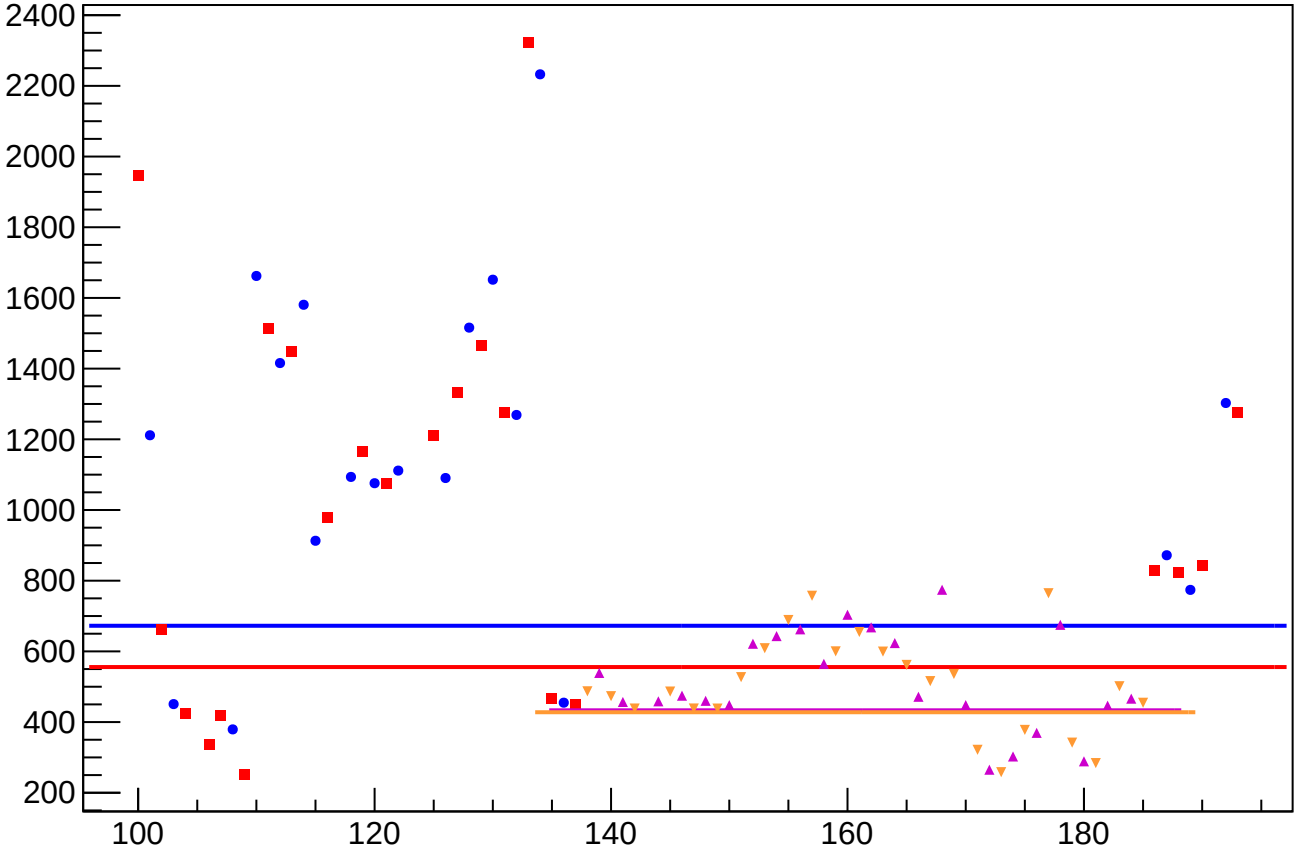
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 164.502+/-97.396 χ^2/NDF: 64.6/42

All: 193.770+/-68.351 χ^2/NDF: 91.8/87

- sign 222.173+/-95.945 χ^2/NDF: 27.0/44

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: 555.670+/-0.153 χ^2/NDF: 5278230.4/21

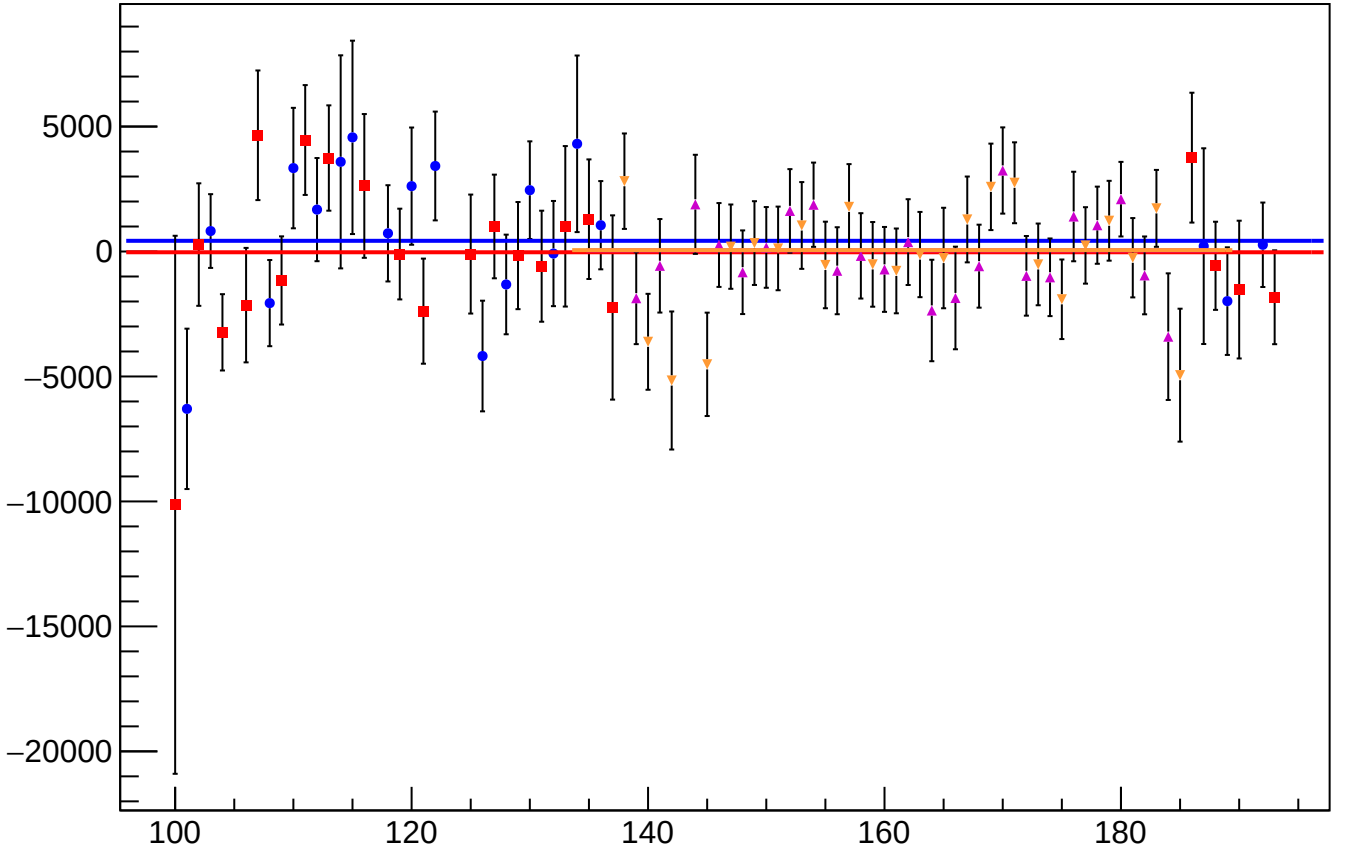
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 462.206+/-0.069 χ^2/NDF: 8983709.0/42

All: 459.676+/-0.048 χ^2/NDF: 18024594.6/87

- sign 457.220+/-0.068 χ^2/NDF: 9038226.0/44

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: -30.552+/-476.333 χ^2/NDF: 23.8/21

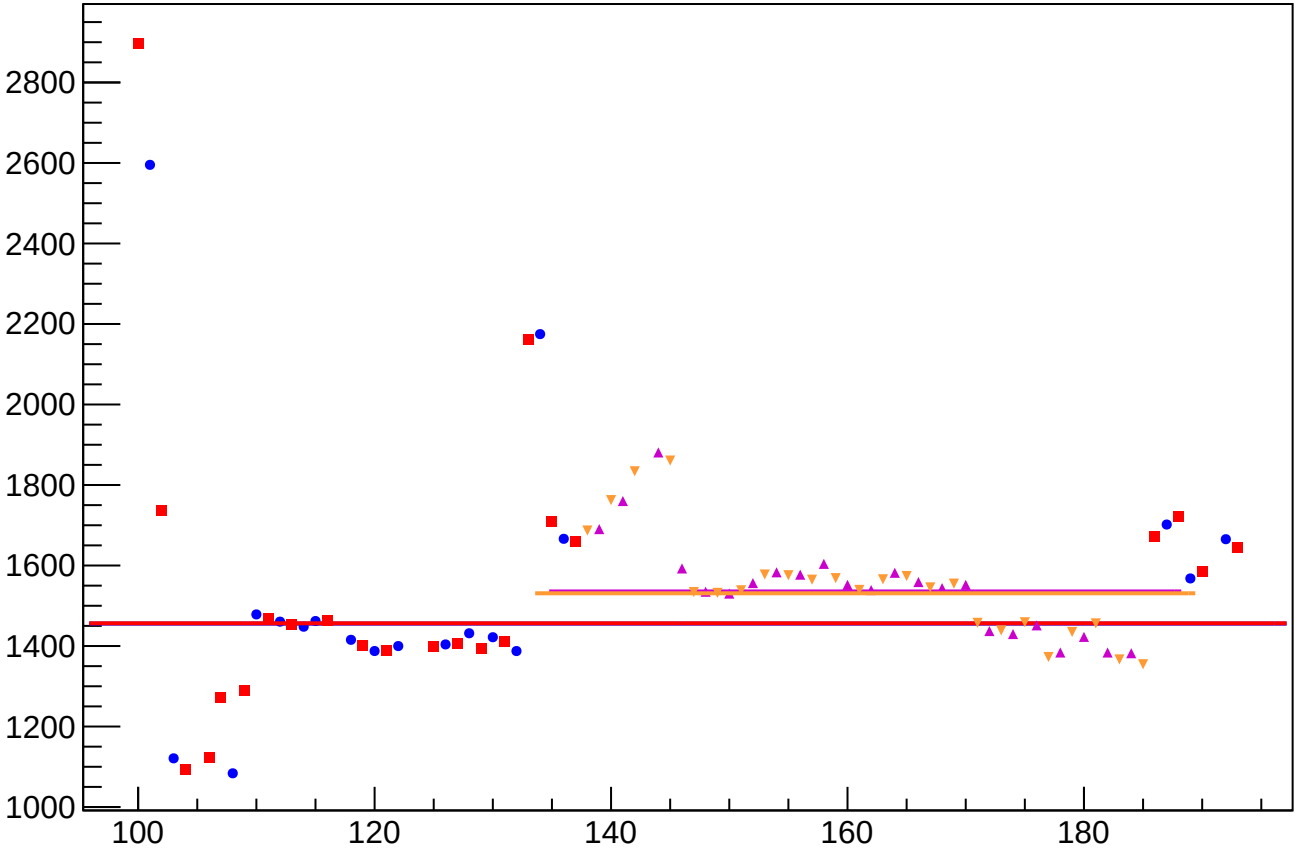
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 181.690+/-289.477 χ^2/NDF: 50.5/42

All: 99.965+/-203.797 χ^2/NDF: 91.3/87

- sign 19.653+/-286.964 χ^2/NDF: 40.6/44

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

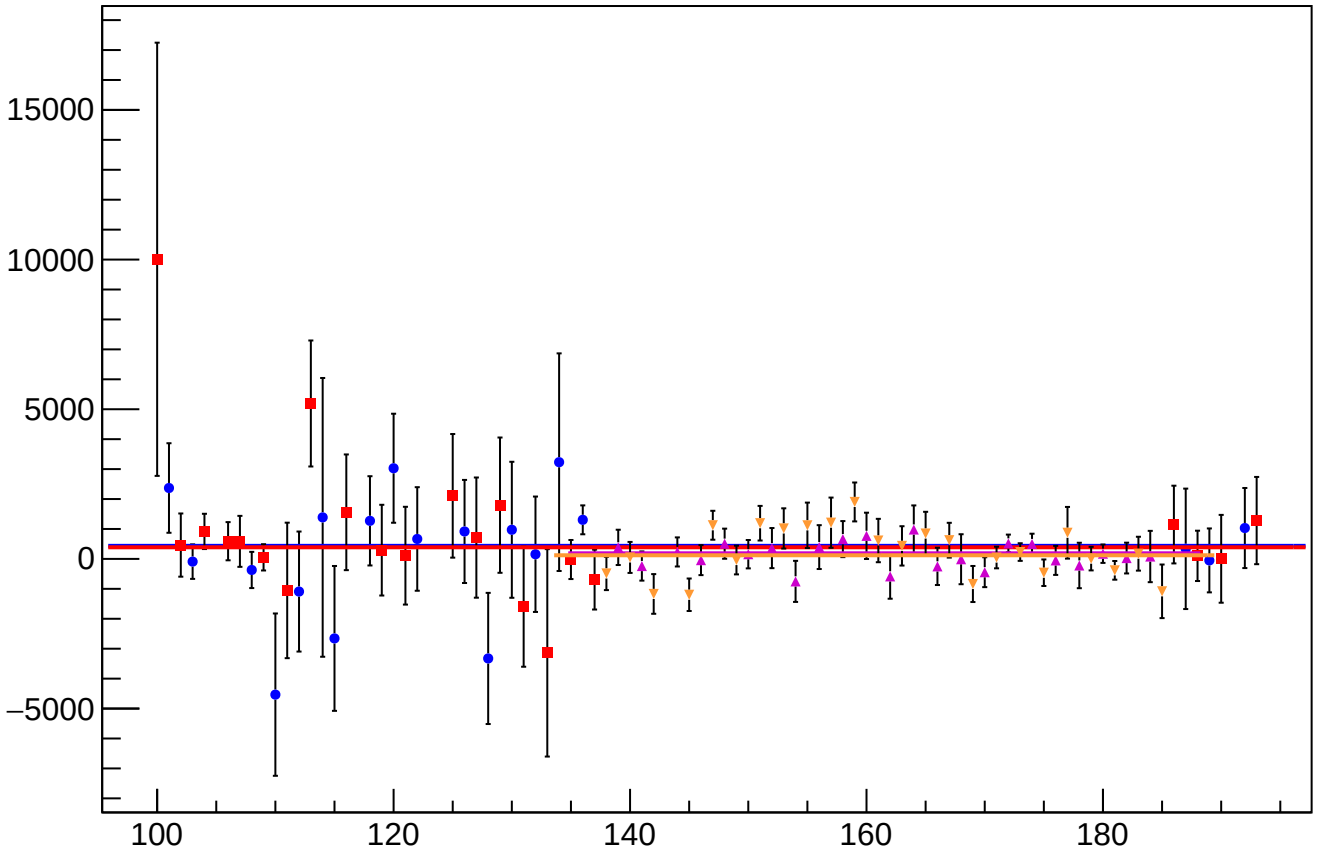
Right Out: 1456.441+/-0.337 χ^2/NDF: 462385.0/21

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1505.359+/-0.205 χ^2/NDF: 845854.1/42

All: 1506.105+/-0.144 χ^2/NDF: 1535842.4/87

- sign 1506.839+/-0.203 χ^2/NDF: 689961.9/44



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: 387.914+/-215.033 χ^2/NDF: 14.9/21

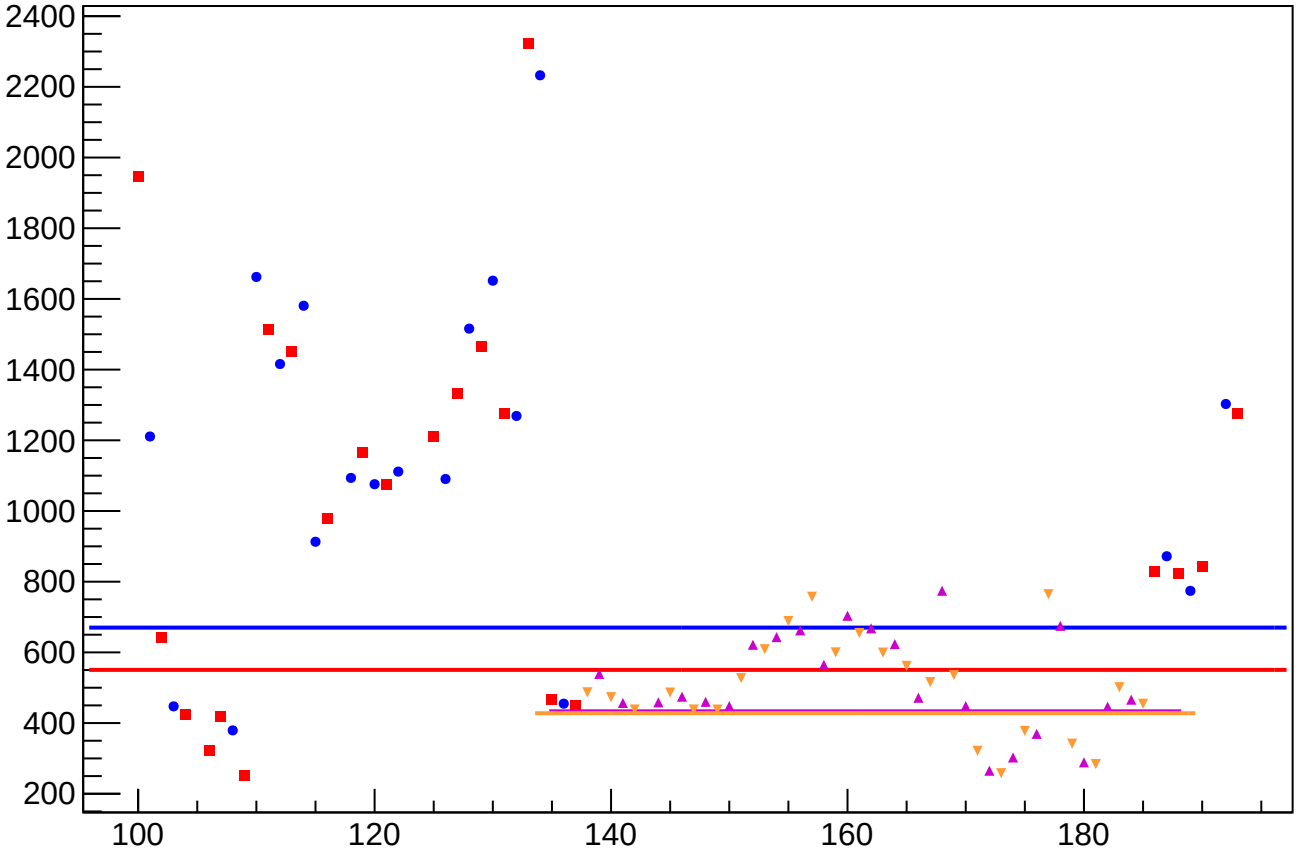
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 165.872+/-97.344 χ^2/NDF: 64.5/42

All: 196.875+/-68.272 χ^2/NDF: 91.9/87

- sign 226.889+/-95.778 χ^2/NDF: 27.2/44

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: 550.505+/-0.152 χ^2/NDF: 5328785.9/21

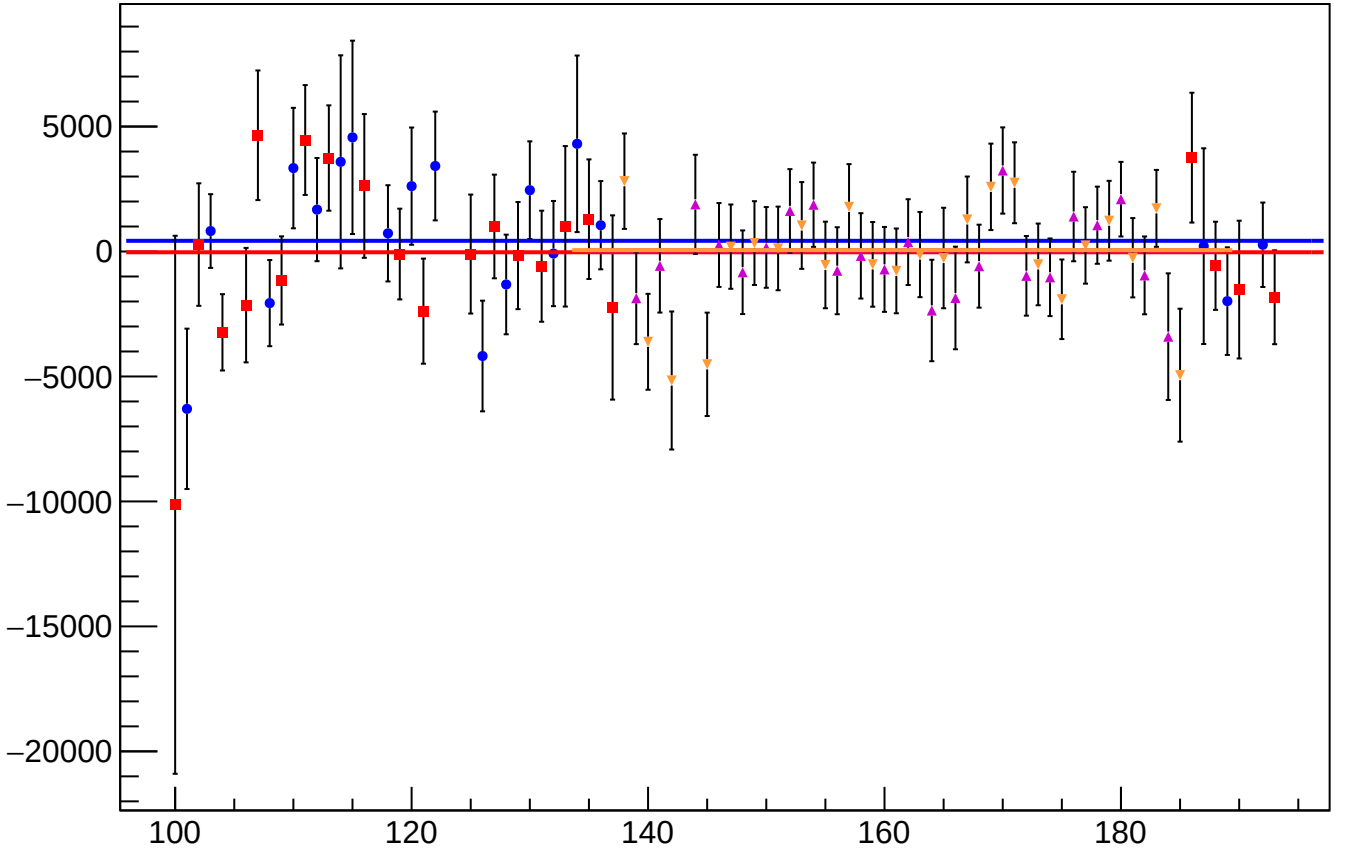
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 462.092+/-0.069 χ^2/NDF: 8984174.0/42

All: 459.271+/-0.048 χ^2/NDF: 18040551.0/87

- sign 456.540+/-0.068 χ^2/NDF: 9053071.4/44

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: -30.552+/-476.333 χ^2/NDF: 23.8/21

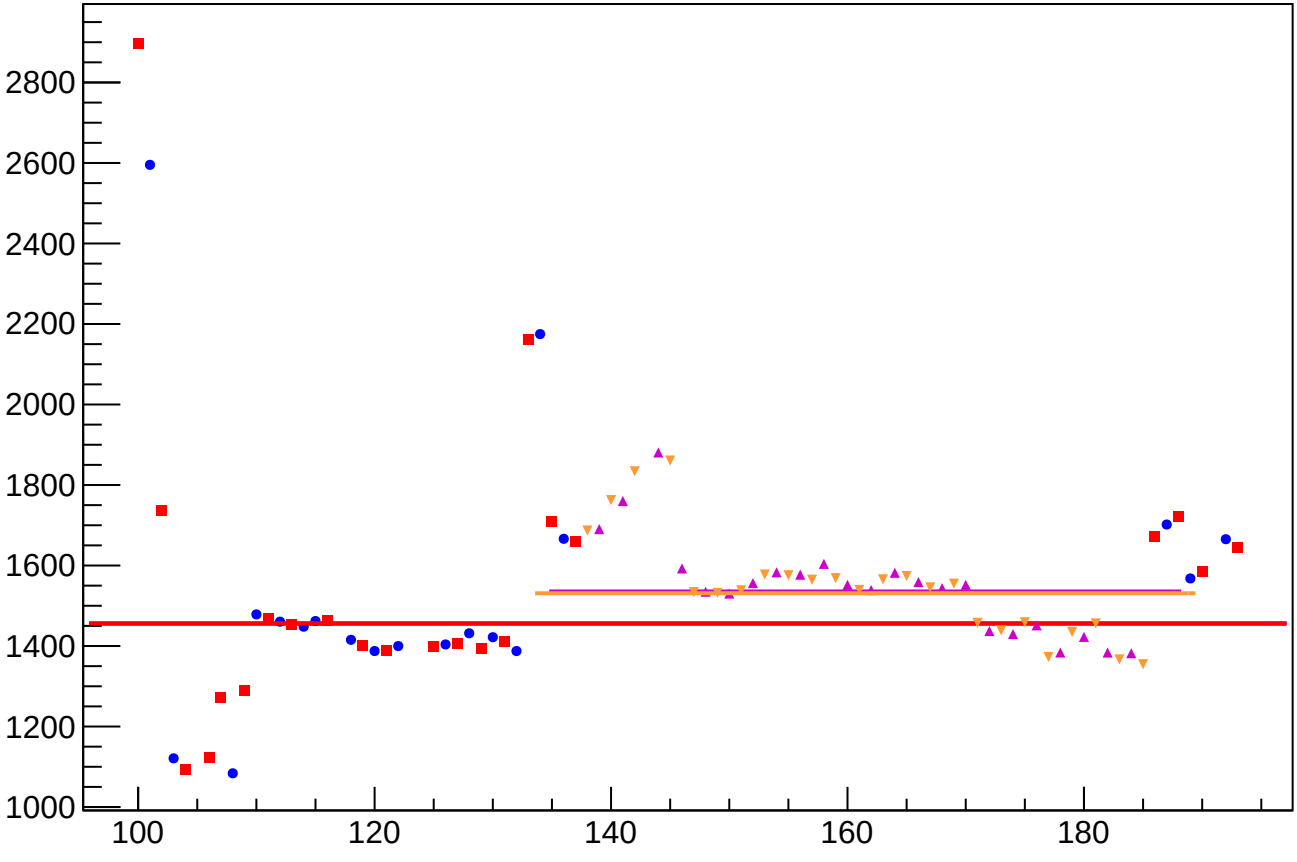
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 181.690+/-289.477 χ^2/NDF: 50.5/42

All: 99.965+/-203.797 χ^2/NDF: 91.3/87

- sign 19.653+/-286.964 χ^2/NDF: 40.6/44

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

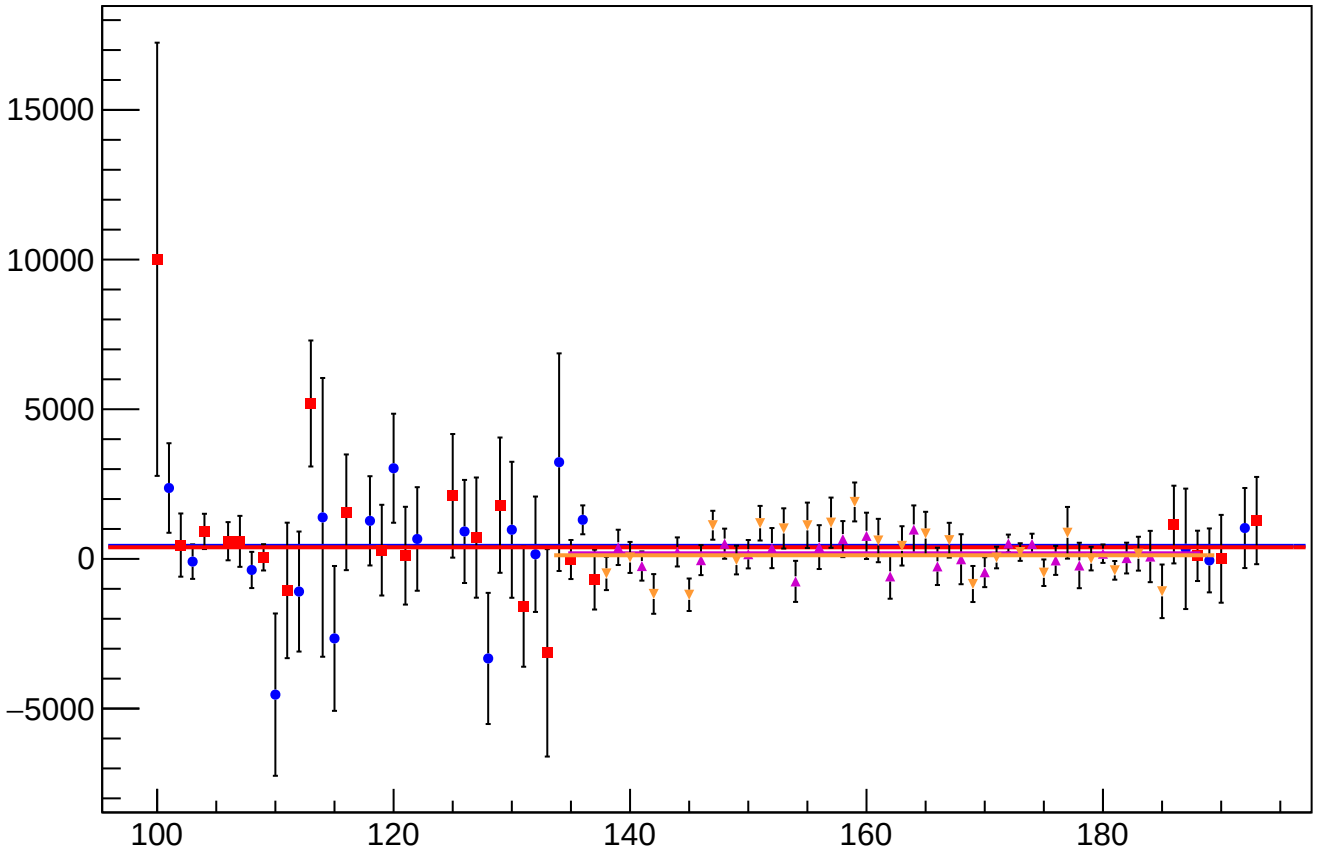
Right Out: 1456.441+/-0.337 χ^2/NDF: 462385.0/21

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1505.359+/-0.205 χ^2/NDF: 845854.1/42

All: 1506.105+/-0.144 χ^2/NDF: 1535842.4/87

- sign 1506.839+/-0.203 χ^2/NDF: 689961.9/44



Right In: 436.169+/-258.792 χ^2/NDF: 19.6/18

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

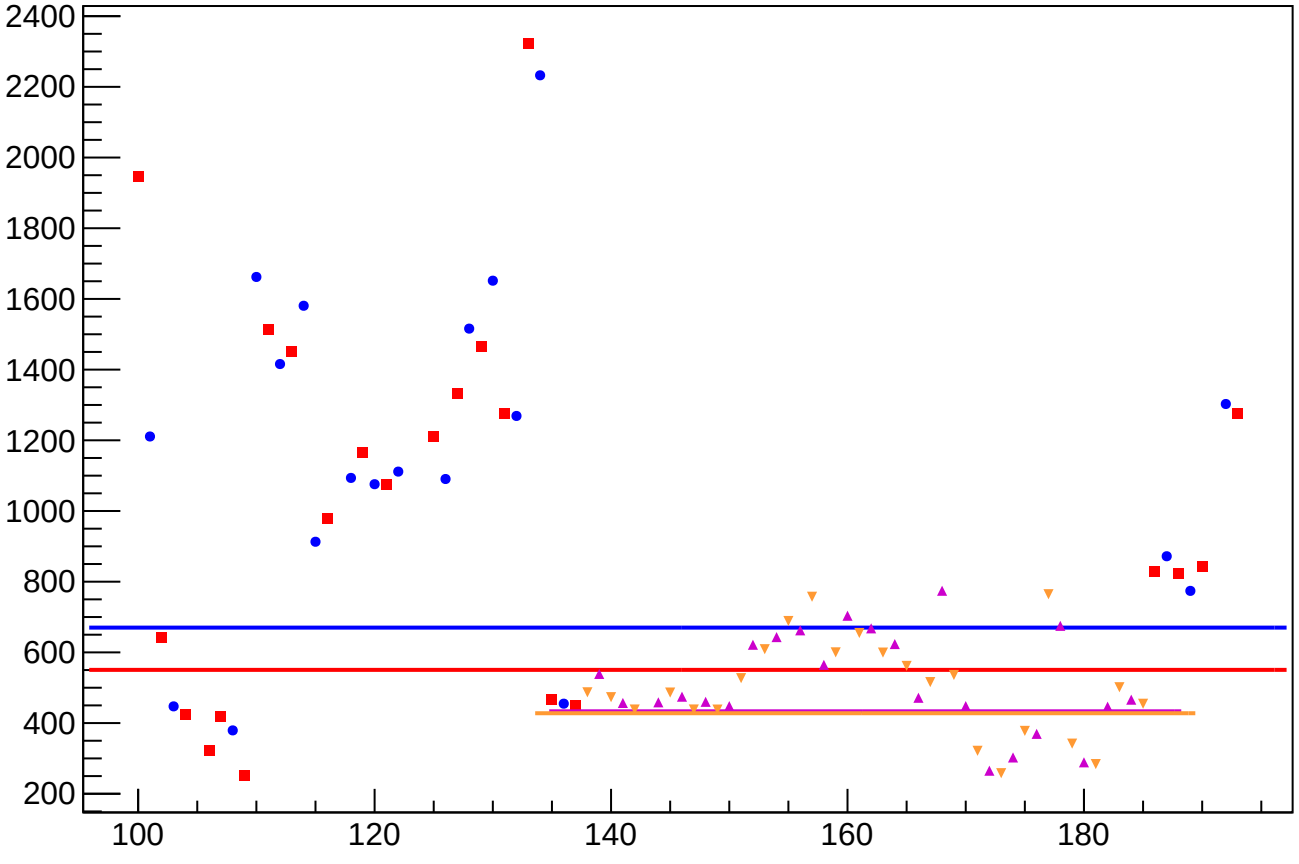
Right Out: 387.914+/-215.033 χ^2/NDF: 14.9/21

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 165.872+/-97.344 χ^2/NDF: 64.5/42

All: 196.875+/-68.272 χ^2/NDF: 91.9/87

- sign 226.889+/-95.778 χ^2/NDF: 27.2/44



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: 550.505+/-0.152 χ^2/NDF: 5328785.9/21

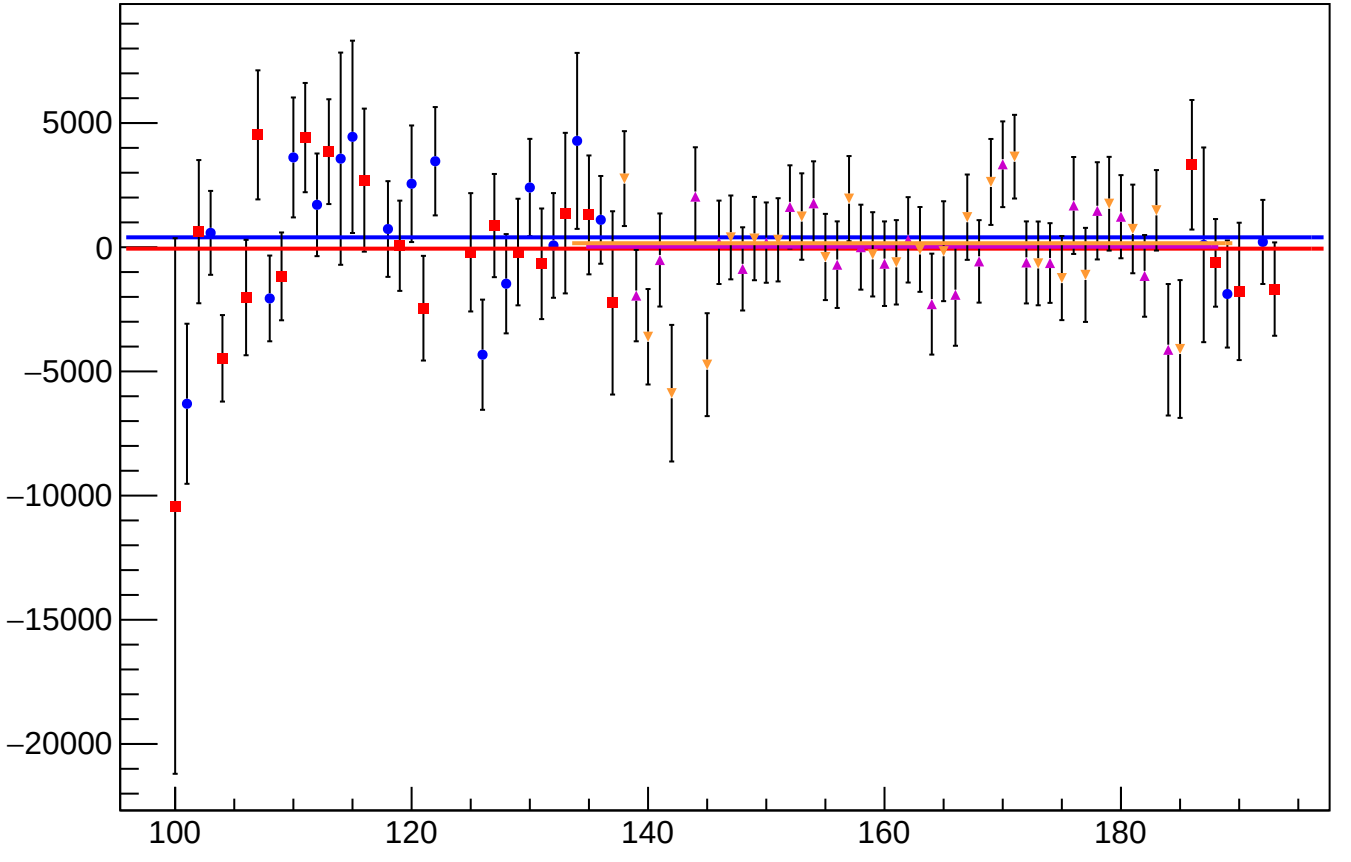
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 462.092+/-0.069 χ^2/NDF: 8984174.0/42

All: 459.271+/-0.048 χ^2/NDF: 18040551.0/87

- sign 456.540+/-0.068 χ^2/NDF: 9053071.4/44

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: -57.290+/-485.396 χ^2/NDF: 25.5/21

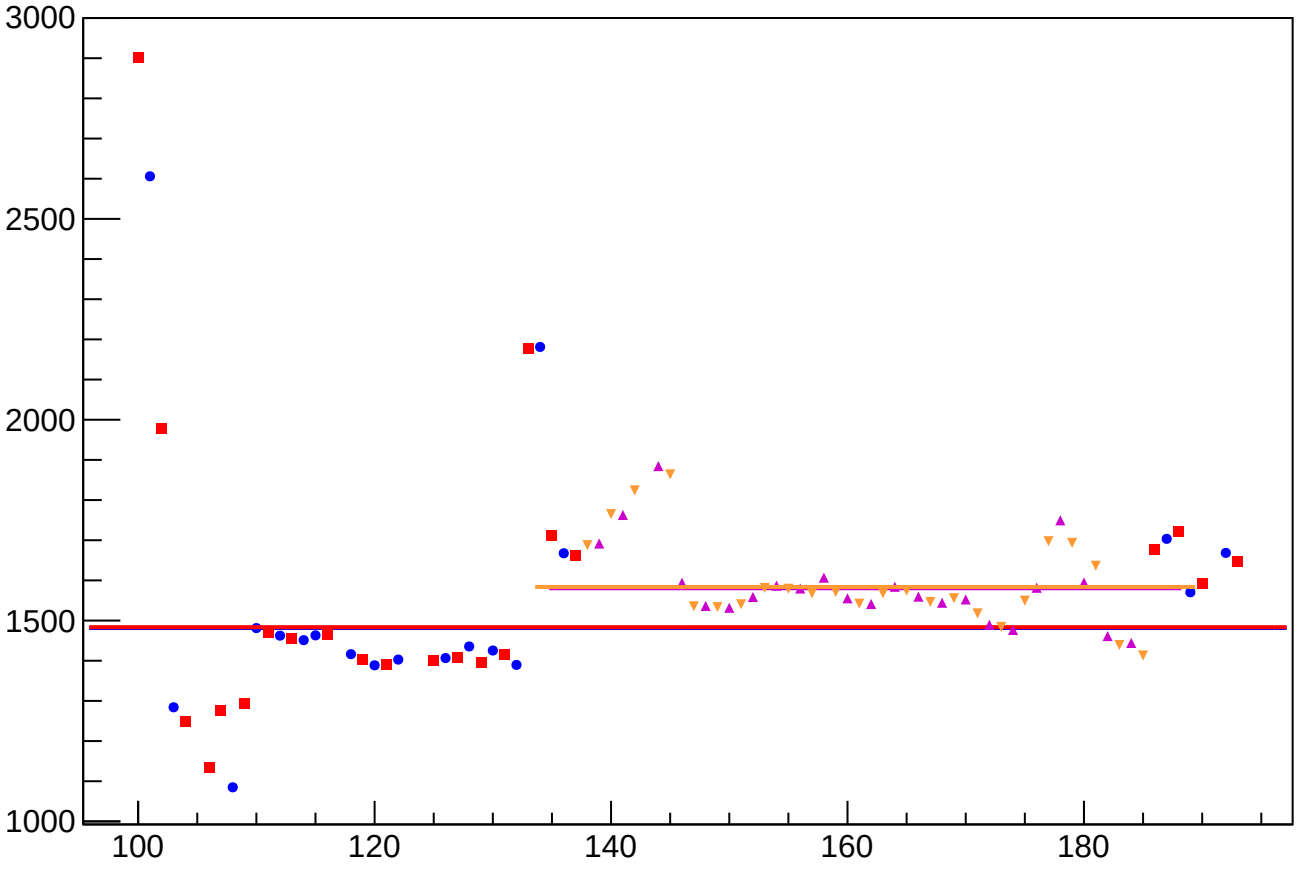
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 244.144+/-297.367 χ^2/NDF: 52.1/42

All: 116.587+/-209.123 χ^2/NDF: 93.9/87

- sign -8.224+/-294.148 χ^2/NDF: 41.5/44

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

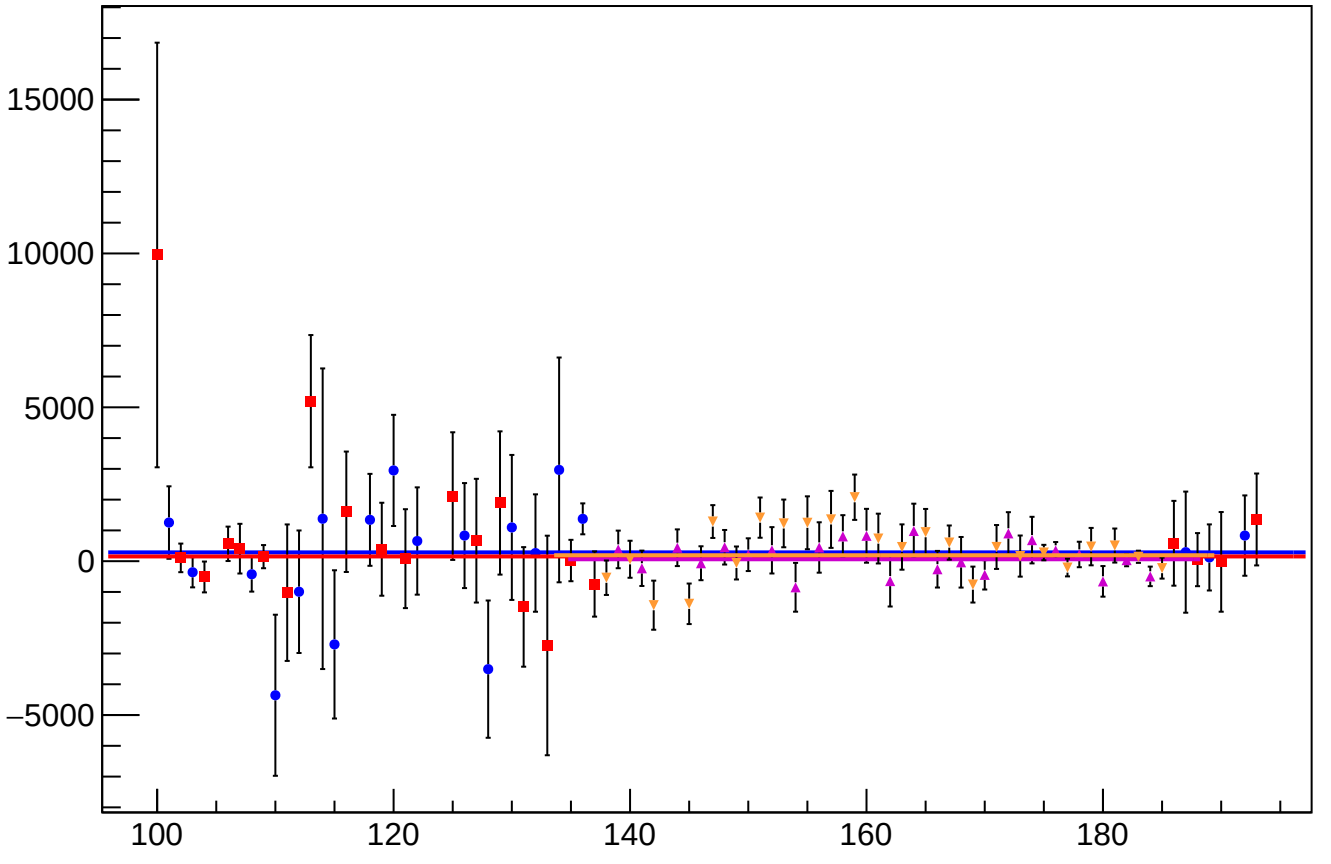
Right Out: 1483.543+/-0.343 χ^2/NDF: 410742.1/21

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1548.061+/-0.210 χ^2/NDF: 715209.5/42

All: 1546.449+/-0.148 χ^2/NDF: 1302270.0/87

- sign 1544.872+/-0.208 χ^2/NDF: 586944.2/44



Right In: 285.671+/-246.600 χ^2/NDF: 20.4/18

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

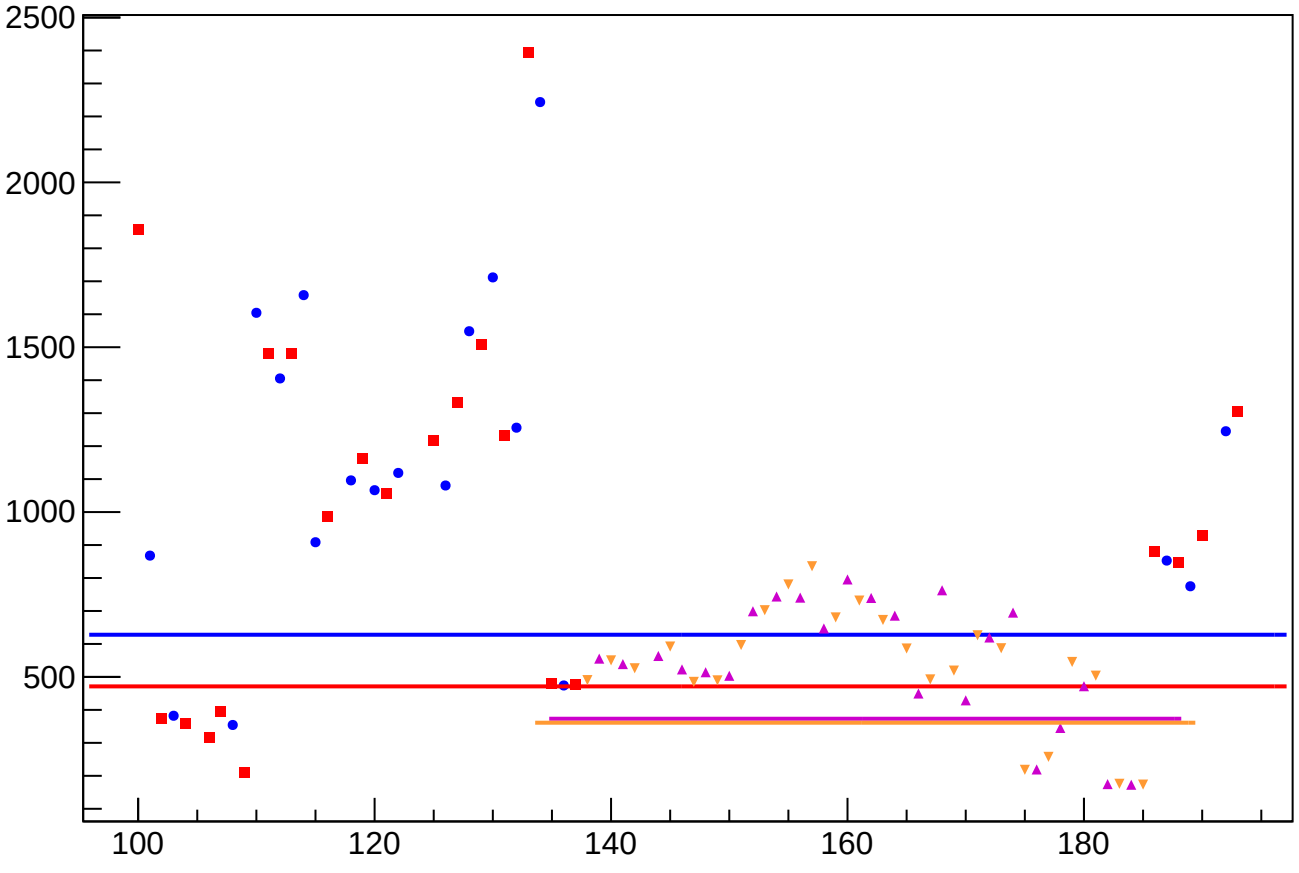
Right Out: 153.960+/-186.505 χ^2/NDF: 15.2/21

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 205.439+/-89.374 χ^2/NDF: 60.6/42

All: 143.017+/-62.683 χ^2/NDF: 94.0/87

- sign 82.586+/-87.937 χ^2/NDF: 32.4/44



Right In: 627.935+/-0.174 χ^2/NDF: 4437061.5/18

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

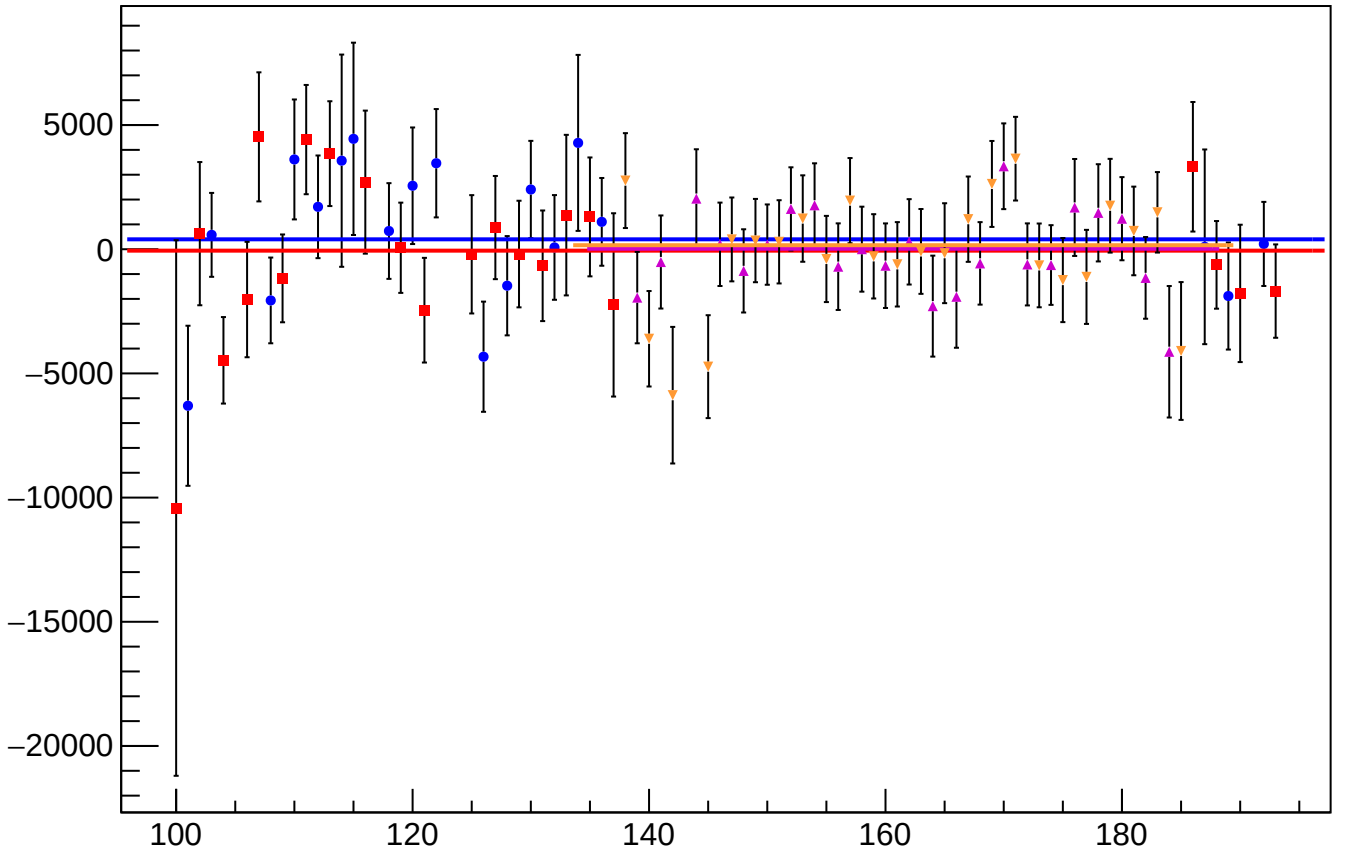
Right Out: 471.276+/-0.132 χ^2/NDF: 6318789.7/21

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 396.149+/-0.063 χ^2/NDF: 14654307.4/42

All: 395.543+/-0.044 χ^2/NDF: 29611269.8/87

- sign 394.957+/-0.062 χ^2/NDF: 14956781.5/44



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: -57.292+/-485.396 χ^2/NDF: 25.5/21

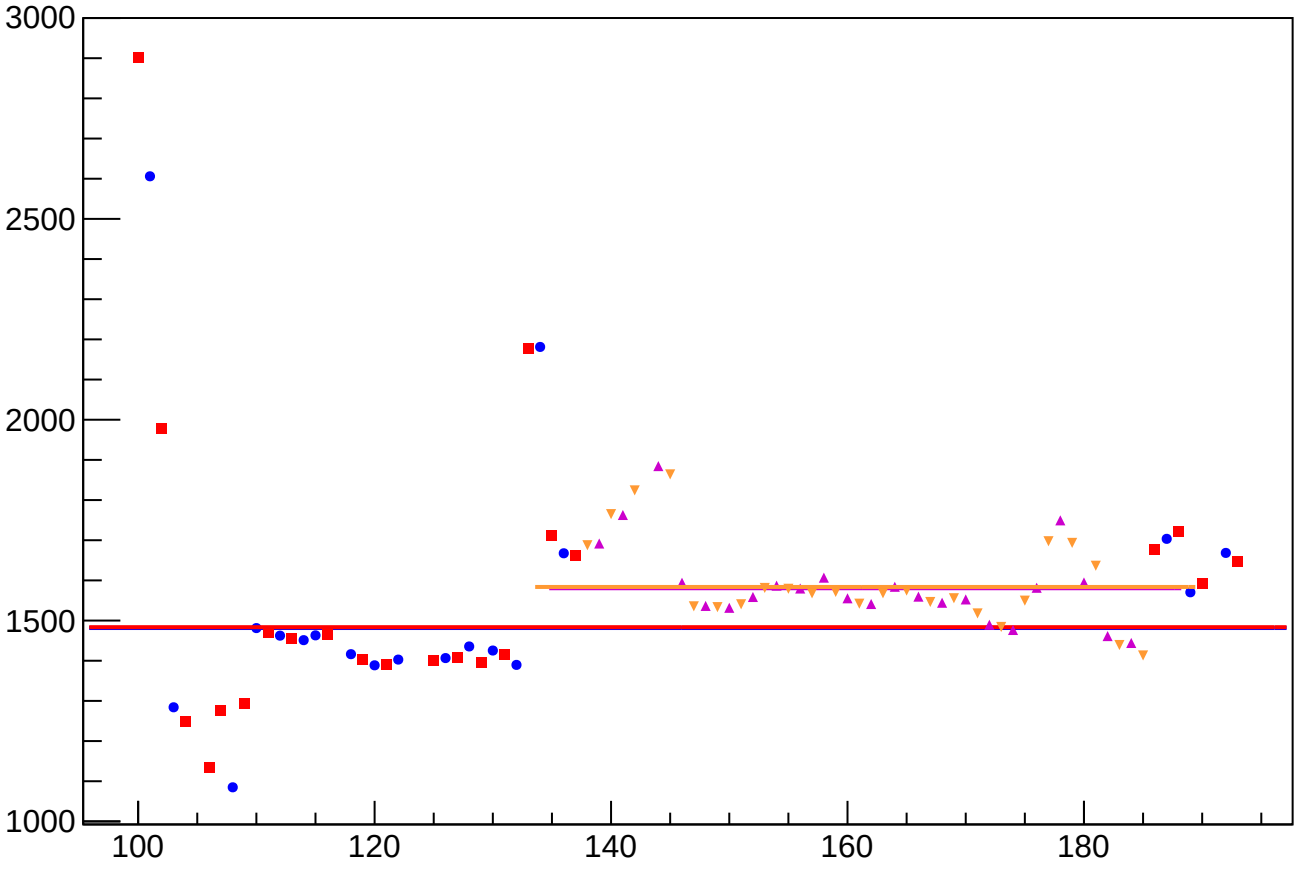
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 244.142+/-297.367 χ^2/NDF: 52.1/42

All: 116.585+/-209.123 χ^2/NDF: 93.9/87

- sign -8.226+/-294.148 χ^2/NDF: 41.5/44

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1481.436+/-0.356 χ^2/NDF: 527962.8/18

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

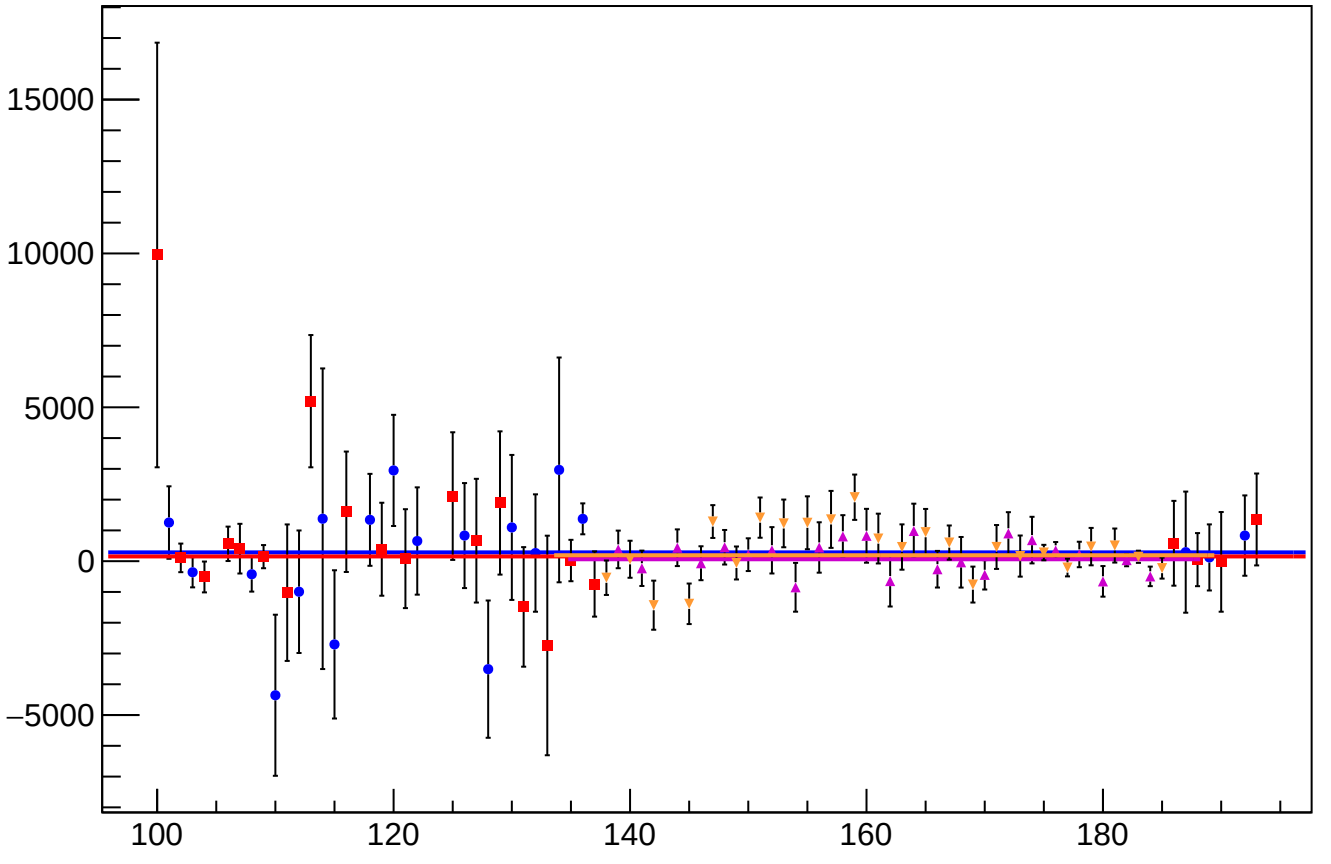
Right Out: 1483.543+/-0.343 χ^2/NDF: 410742.2/21

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1548.061+/-0.210 χ^2/NDF: 715209.0/42

All: 1546.449+/-0.148 χ^2/NDF: 1302269.4/87

- sign 1544.871+/-0.208 χ^2/NDF: 586944.1/44



Right In: 285.664+/-246.599 χ^2/NDF: 20.4/18

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

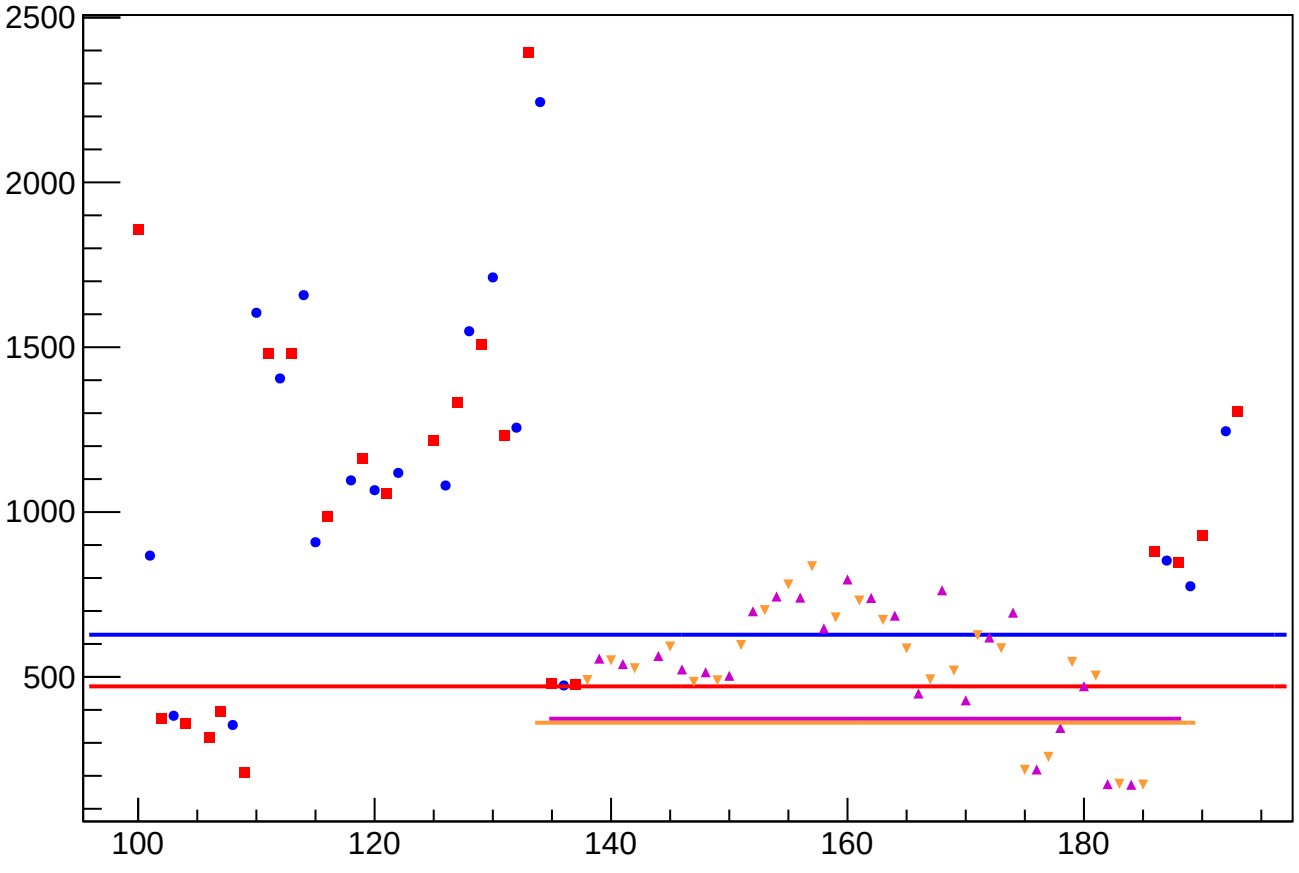
Right Out: 153.956+/-186.507 χ^2/NDF: 15.2/21

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

\+ sign 205.443+/-89.375 χ^2/NDF: 60.6/42

All: 143.018+/-62.683 χ^2/NDF: 94.0/87

\- sign 82.583+/-87.938 χ^2/NDF: 32.4/44



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: 471.282+/-0.132 χ^2/NDF: 6318689.8/21

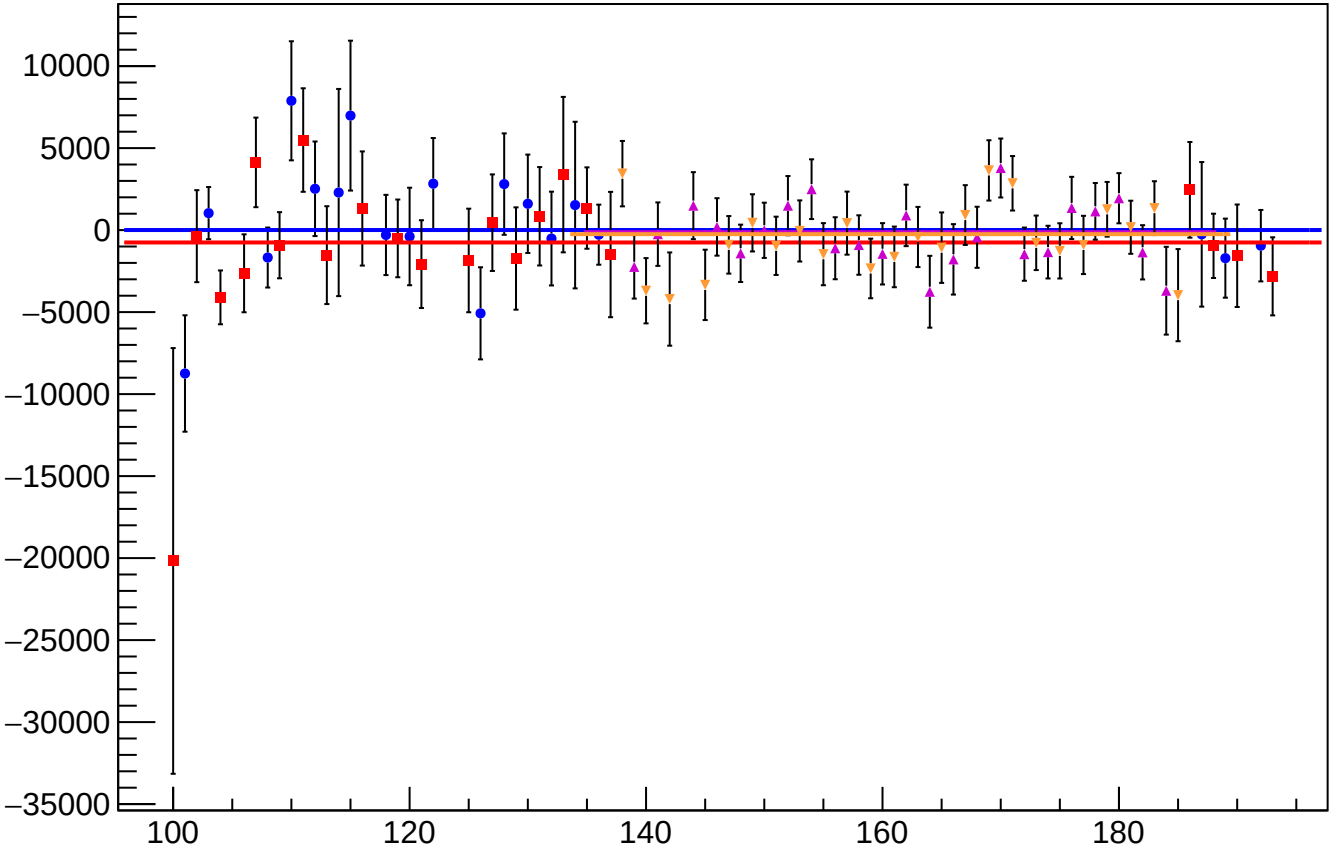
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 396.153+/-0.063 χ^2/NDF: 14654099.0/42

All: 395.548+/-0.044 χ^2/NDF: 29610720.3/87

- sign 394.962+/-0.062 χ^2/NDF: 14956441.0/44

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: -754.168+/-573.925 χ^2/NDF: 19.1/21

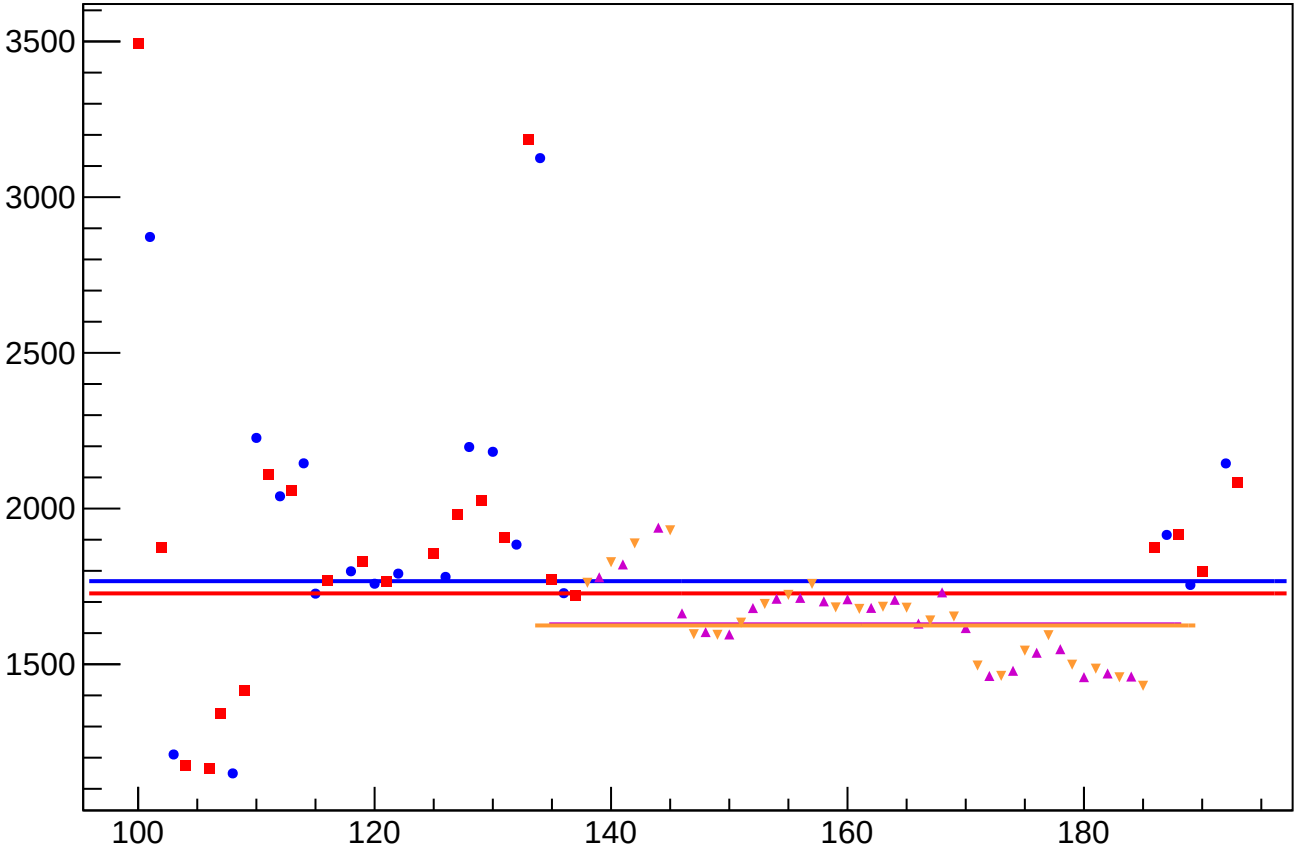
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -177.242+/-321.453 χ^2/NDF: 47.7/42

All: -248.694+/-225.927 χ^2/NDF: 88.9/87

- sign -318.444+/-317.600 χ^2/NDF: 41.1/44

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

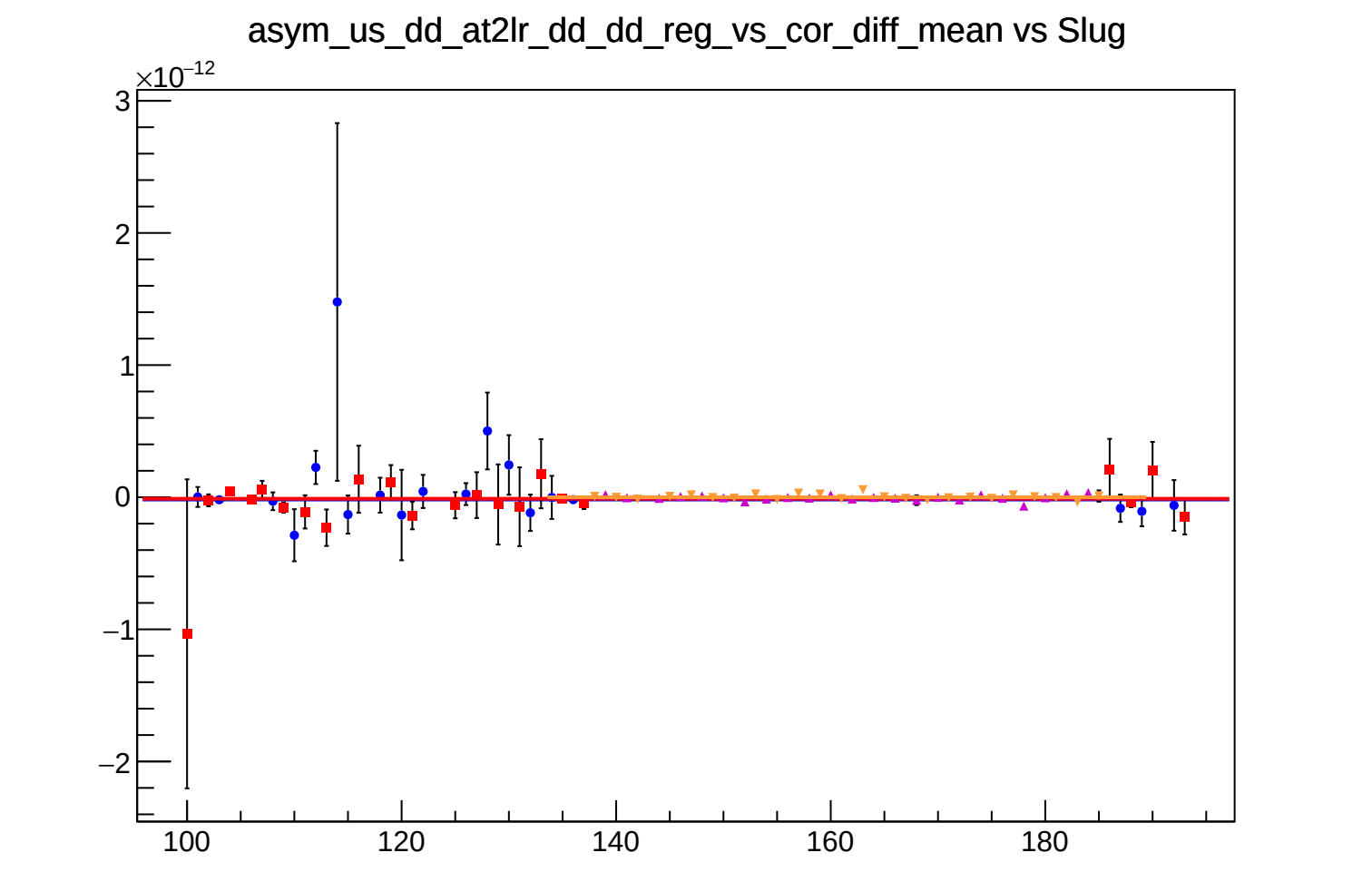
Right Out: 1727.554+/-0.406 χ^2/NDF: 829813.6/21

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1664.115+/-0.227 χ^2/NDF: 1296899.3/42

All: 1661.344+/-0.160 χ^2/NDF: 2373451.9/87

- sign 1658.640+/-0.225 χ^2/NDF: 1076259.0/44



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

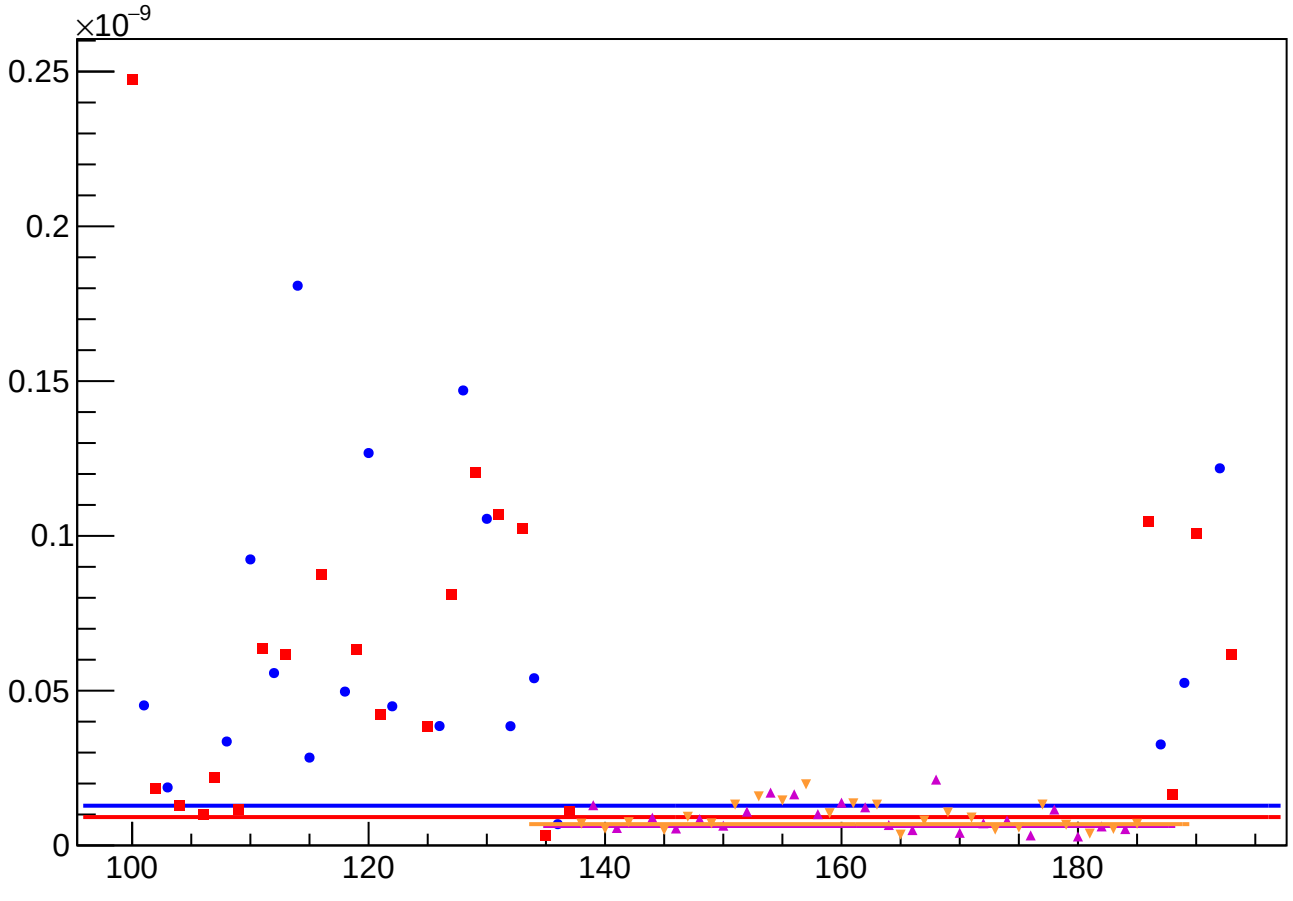
Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/21

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: 85.1/87

- sign -0.000+/-0.000 χ^2/NDF: 45.4/44



Right In: 0.000+/-0.000 χ^2/NDF: 4407001.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

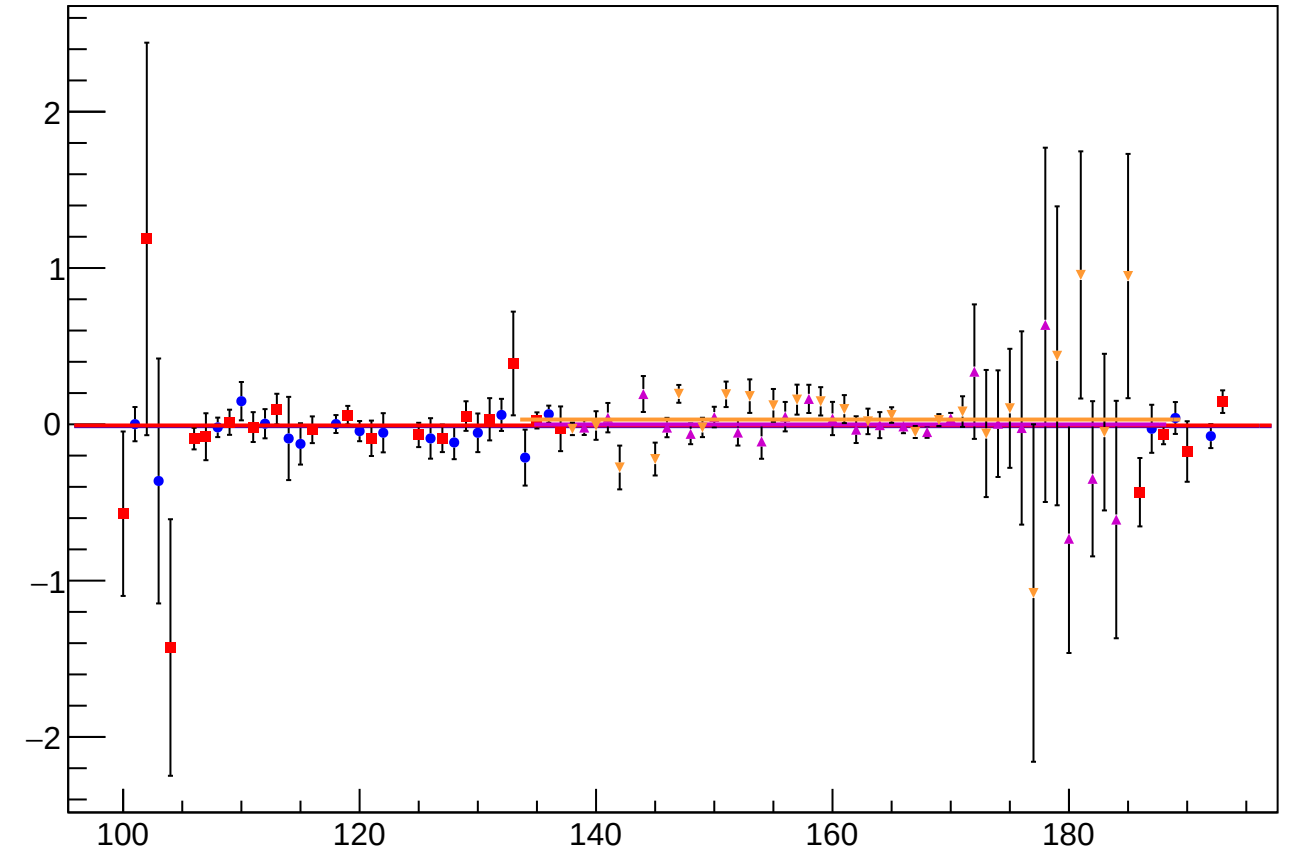
Right Out: 0.000+/-0.000 χ^2/NDF: 4635936.6/21

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: 15115979.3/87

- sign 0.000+/-0.000 χ^2/NDF: 7735322.2/44



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: -0.007+/-0.020 χ^2/NDF: 23.6/21

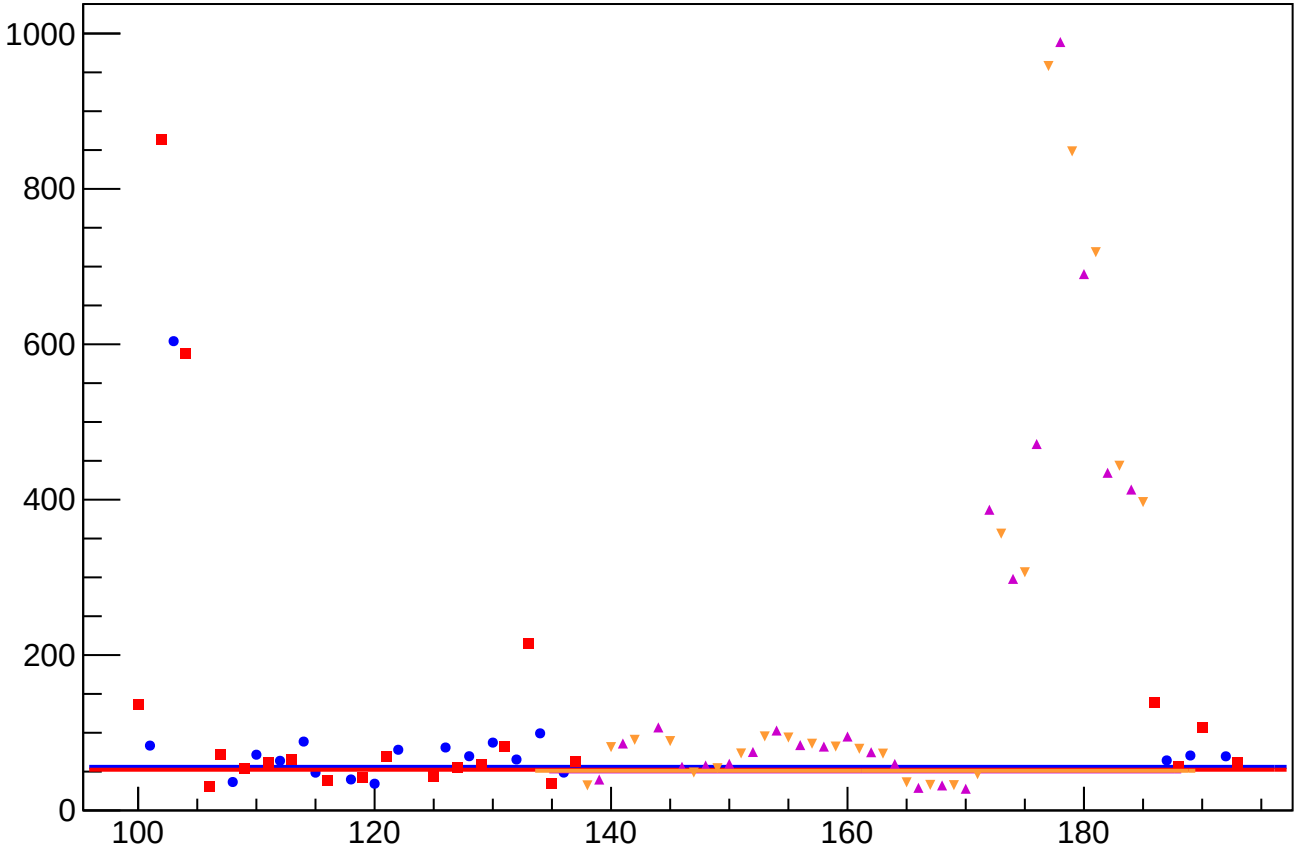
Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.4/42

All: 0.006+/-0.009 χ^2/NDF: 94.4/87

- sign -0.003+/-0.012 χ^2/NDF: 39.7/44

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

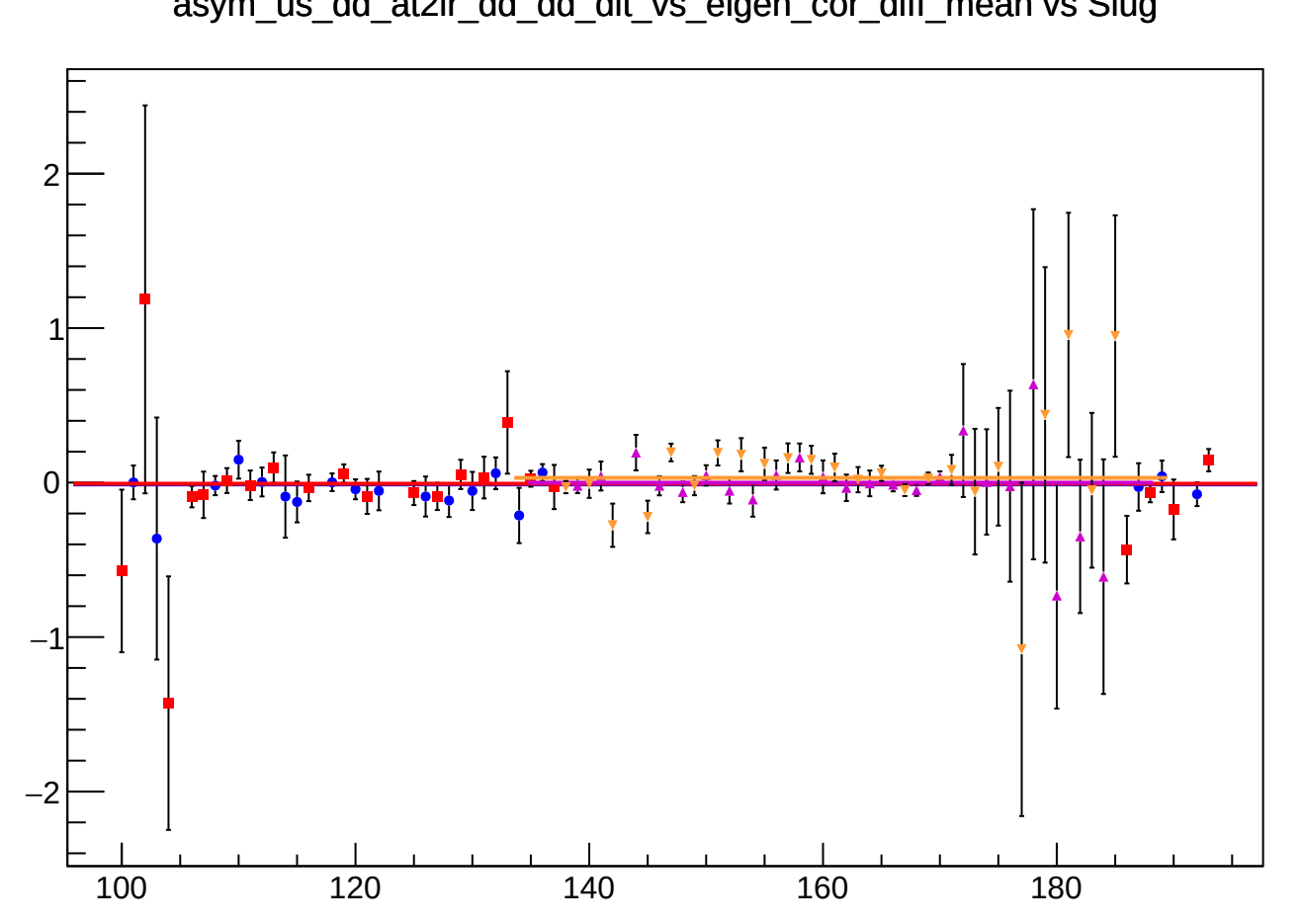
Right Out: 52.421+/-0.014 χ^2/NDF: 3562134.3/21

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 52.803+/-0.009 χ^2/NDF: 14150695.0/42

All: 51.898+/-0.006 χ^2/NDF: 29943664.5/87

\- sign 51.056+/-0.009 χ^2/NDF: 15772879.1/44



Right In: -0.012+/-0.021 χ^2/NDF: 9.3/18

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

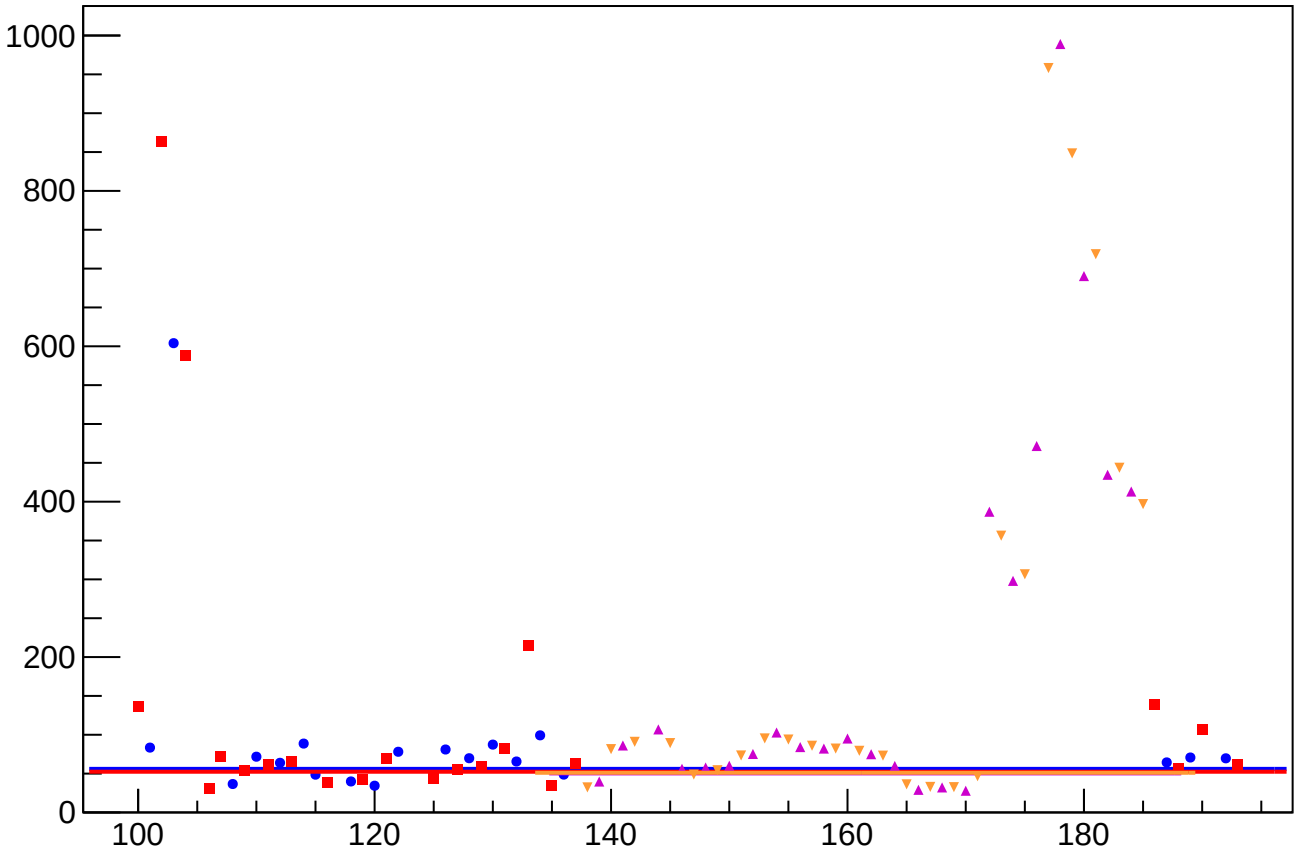
Right Out: -0.007+/-0.020 χ^2/NDF: 23.6/21

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.4/42

All: 0.006+/-0.009 χ^2/NDF: 94.4/87

- sign -0.003+/-0.012 χ^2/NDF: 39.7/44



Right In: 56.100+/-0.015 χ^2/NDF: 2341855.4/18

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

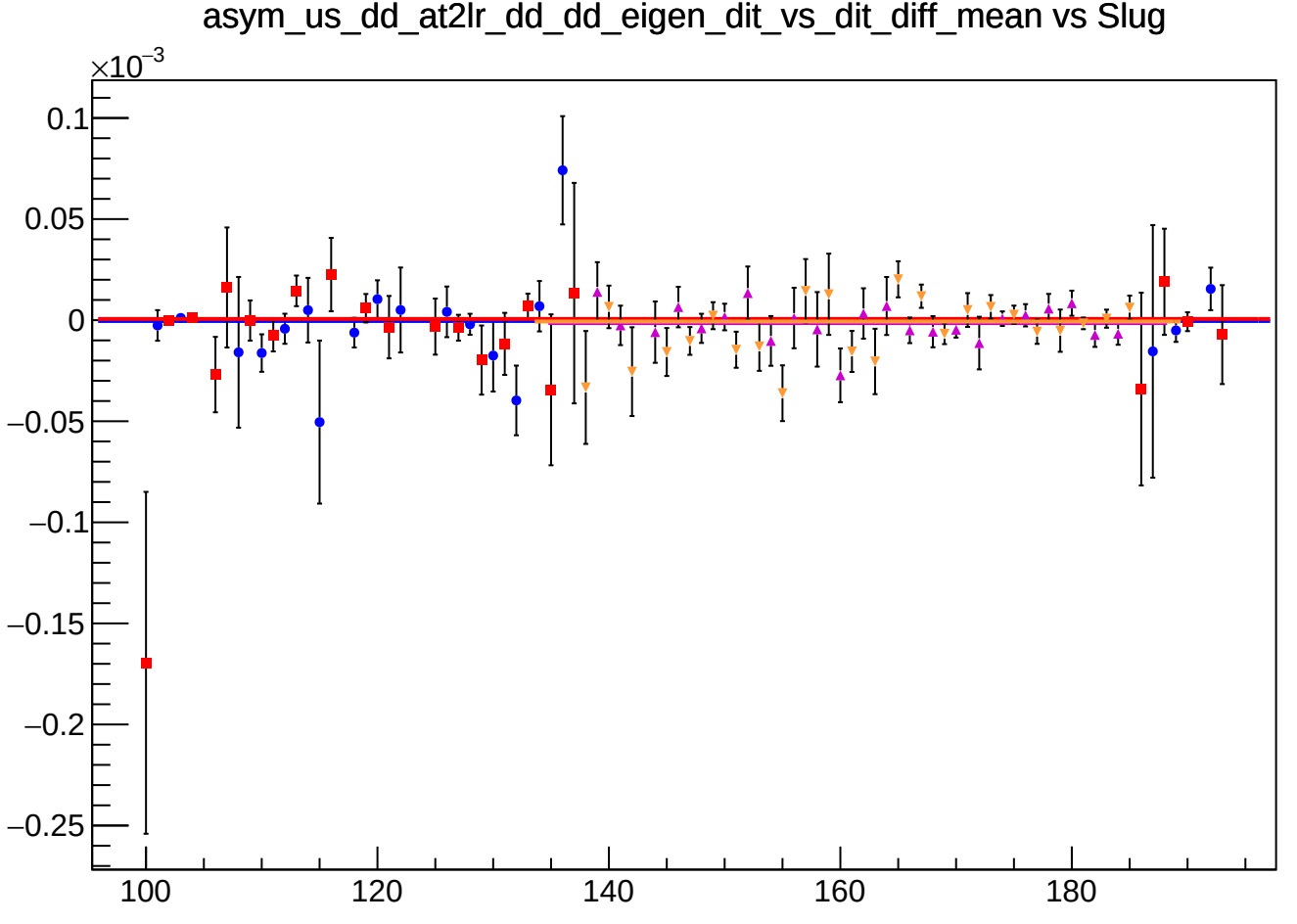
Right Out: 52.421+/-0.014 χ^2/NDF: 3562134.3/21

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 52.803+/-0.009 χ^2/NDF: 14150695.0/42

All: 51.898+/-0.006 χ^2/NDF: 29943664.5/87

\- sign 51.056+/-0.009 χ^2/NDF: 15772879.1/44



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

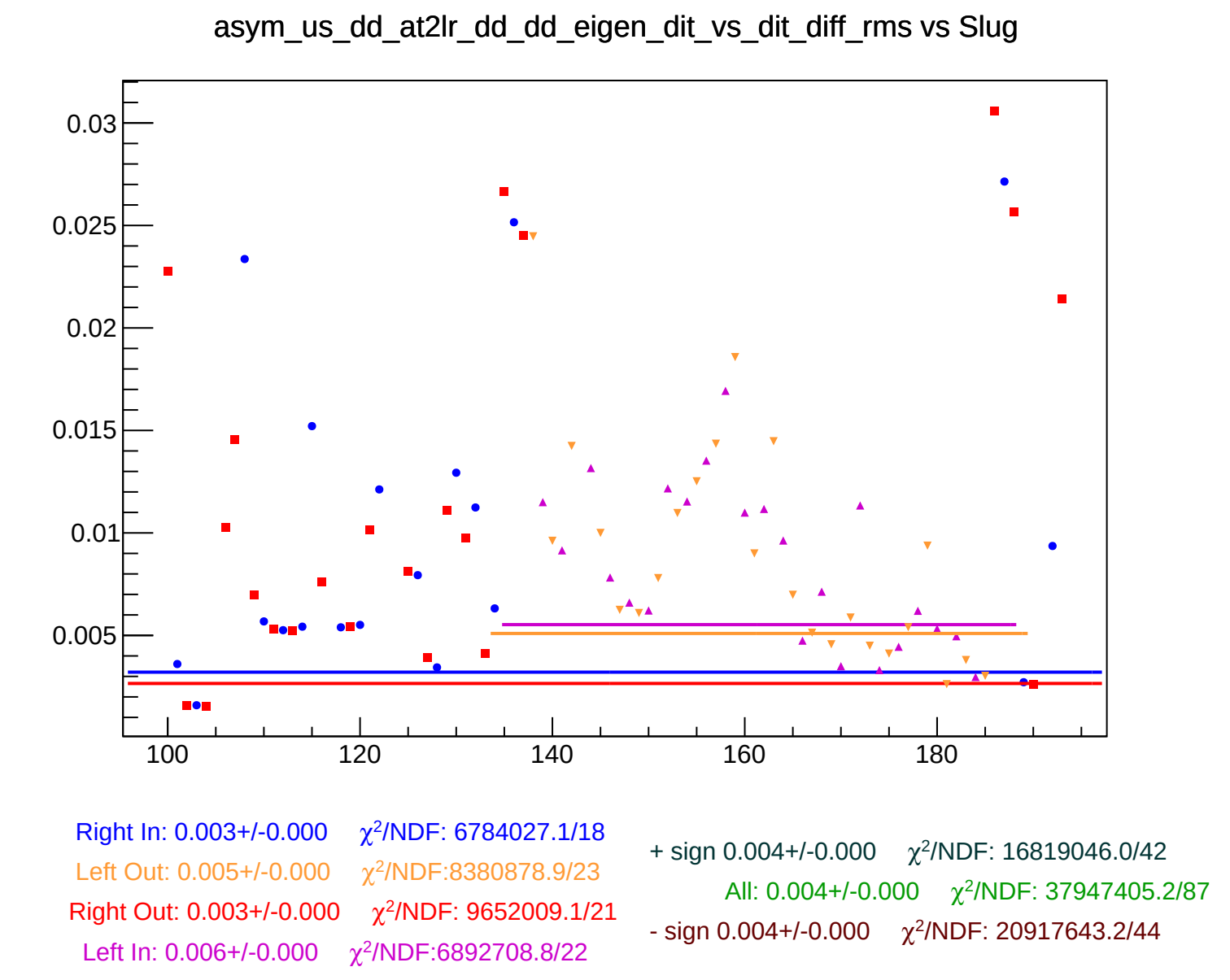
Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/21

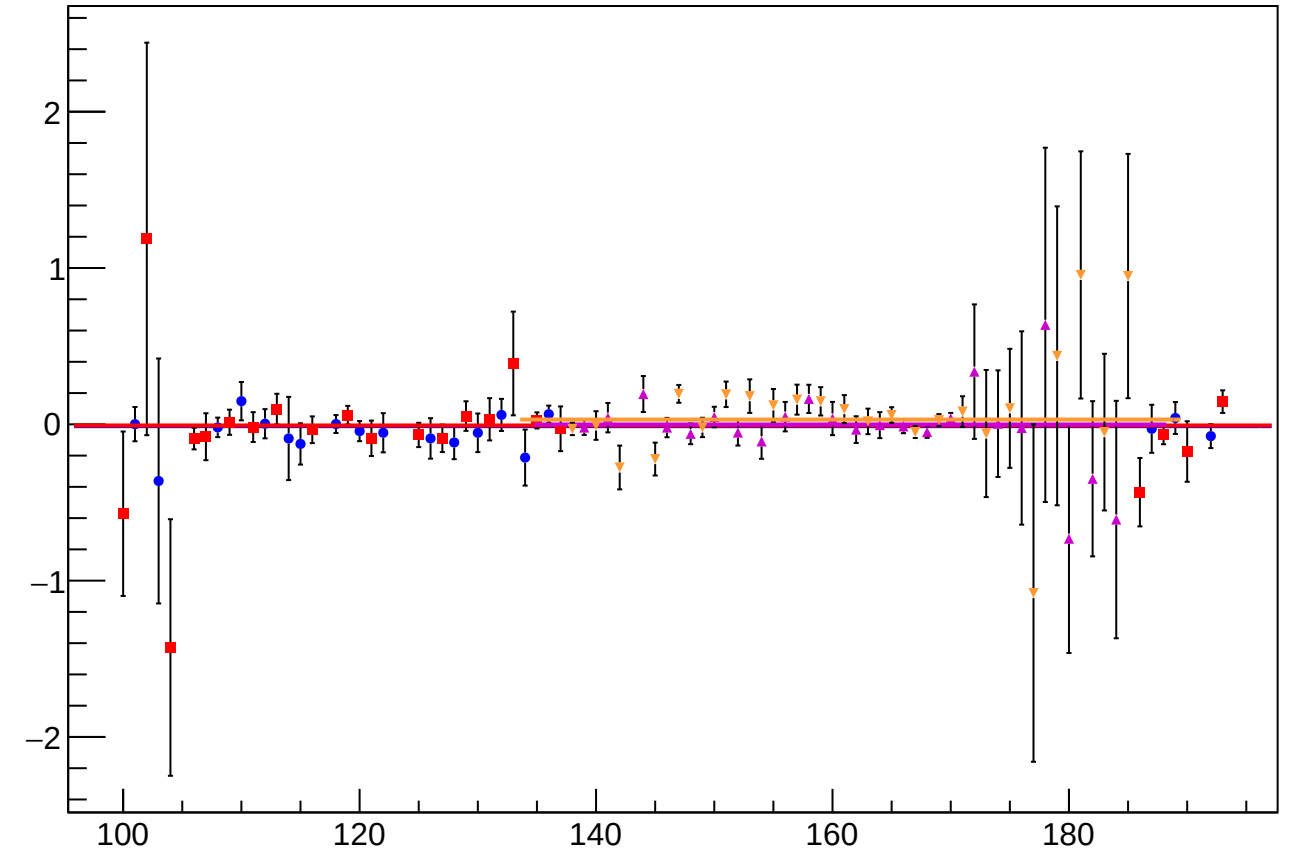
Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.6/42

All: -0.000+/-0.000 χ^2/NDF: 100.3/87

- sign -0.000+/-0.000 χ^2/NDF: 36.6/44


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: 9652009.1/21
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: 37947405.2/87
- sign 0.004+/-0.000 χ²/NDF: 20917643.2/44



Right In: -0.012+/-0.021 χ^2/NDF: 9.3/18

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

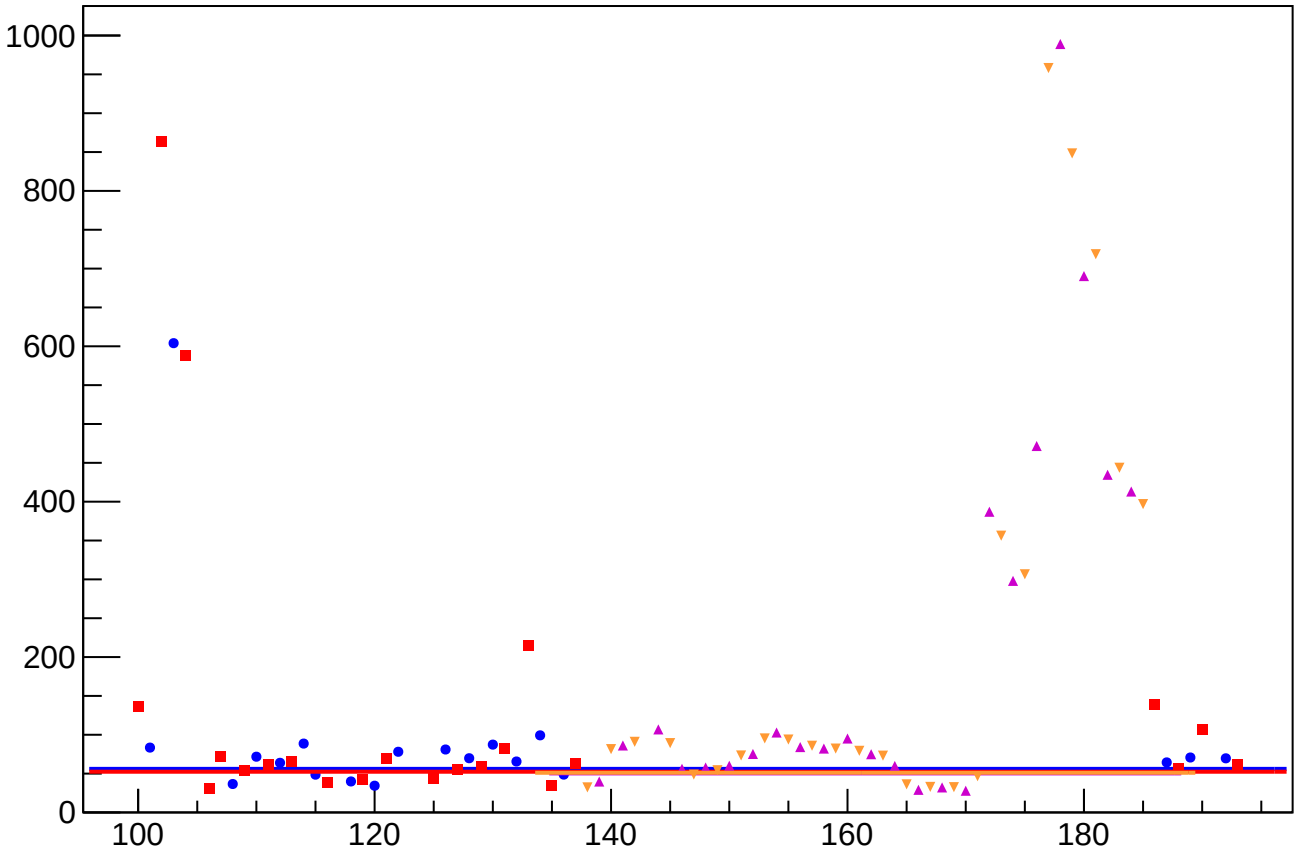
Right Out: -0.007+/-0.020 χ^2/NDF: 23.6/21

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.4/42

All: 0.006+/-0.009 χ^2/NDF: 94.4/87

- sign -0.003+/-0.012 χ^2/NDF: 39.7/44



Right In: 56.103+/-0.015 χ^2/NDF: 2341399.3/18

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 52.423+/-0.014 χ^2/NDF: 3561808.1/21

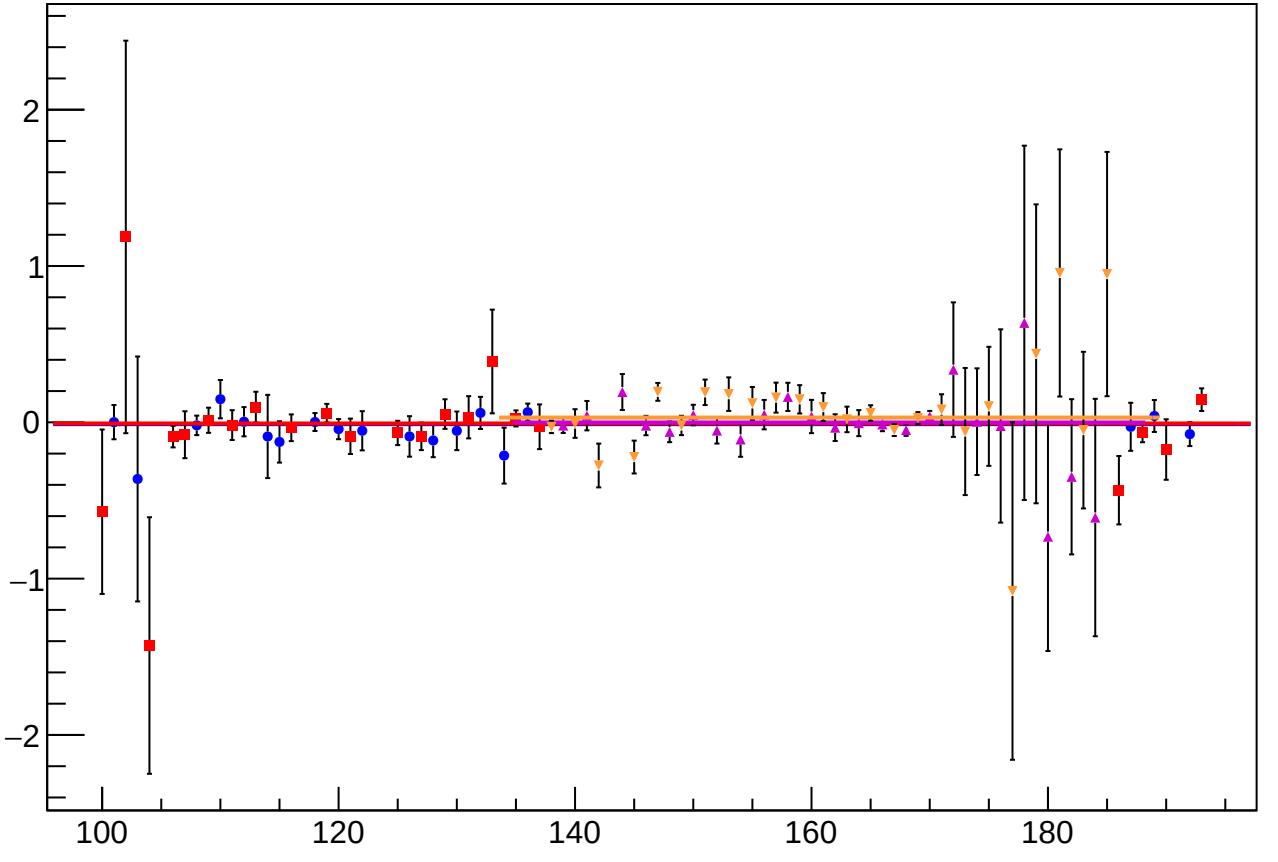
Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 52.805+/-0.009 χ^2/NDF: 14149419.7/42

All: 51.900+/-0.006 χ^2/NDF: 29942073.2/87

\- sign 51.057+/-0.009 χ^2/NDF: 15772521.0/44

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



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: -0.007+/-0.020 χ^2/NDF: 23.6/21

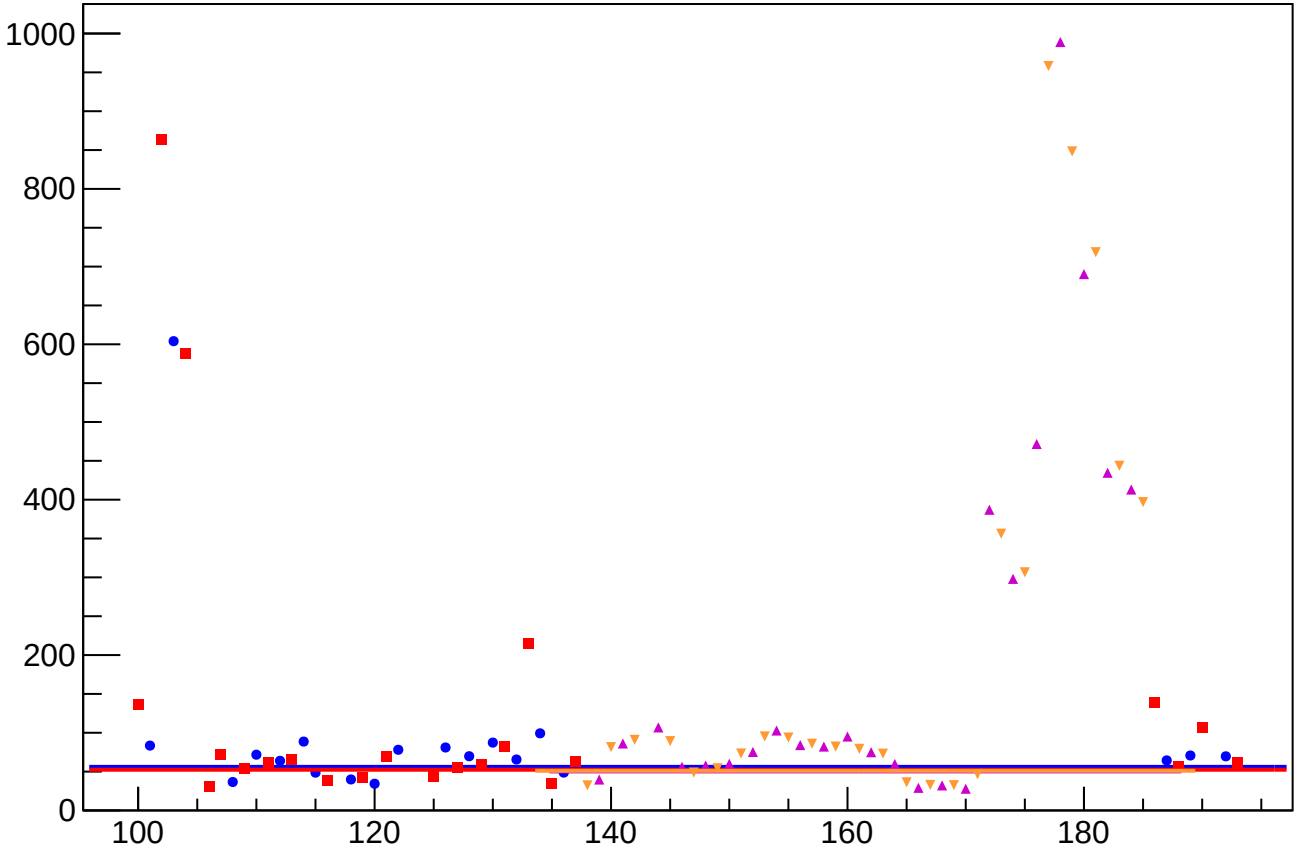
Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.4/42

All: 0.006+/-0.009 χ^2/NDF: 94.4/87

- sign -0.003+/-0.012 χ^2/NDF: 39.7/44

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 56.103+/-0.015 χ^2/NDF: 2341399.3/18

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

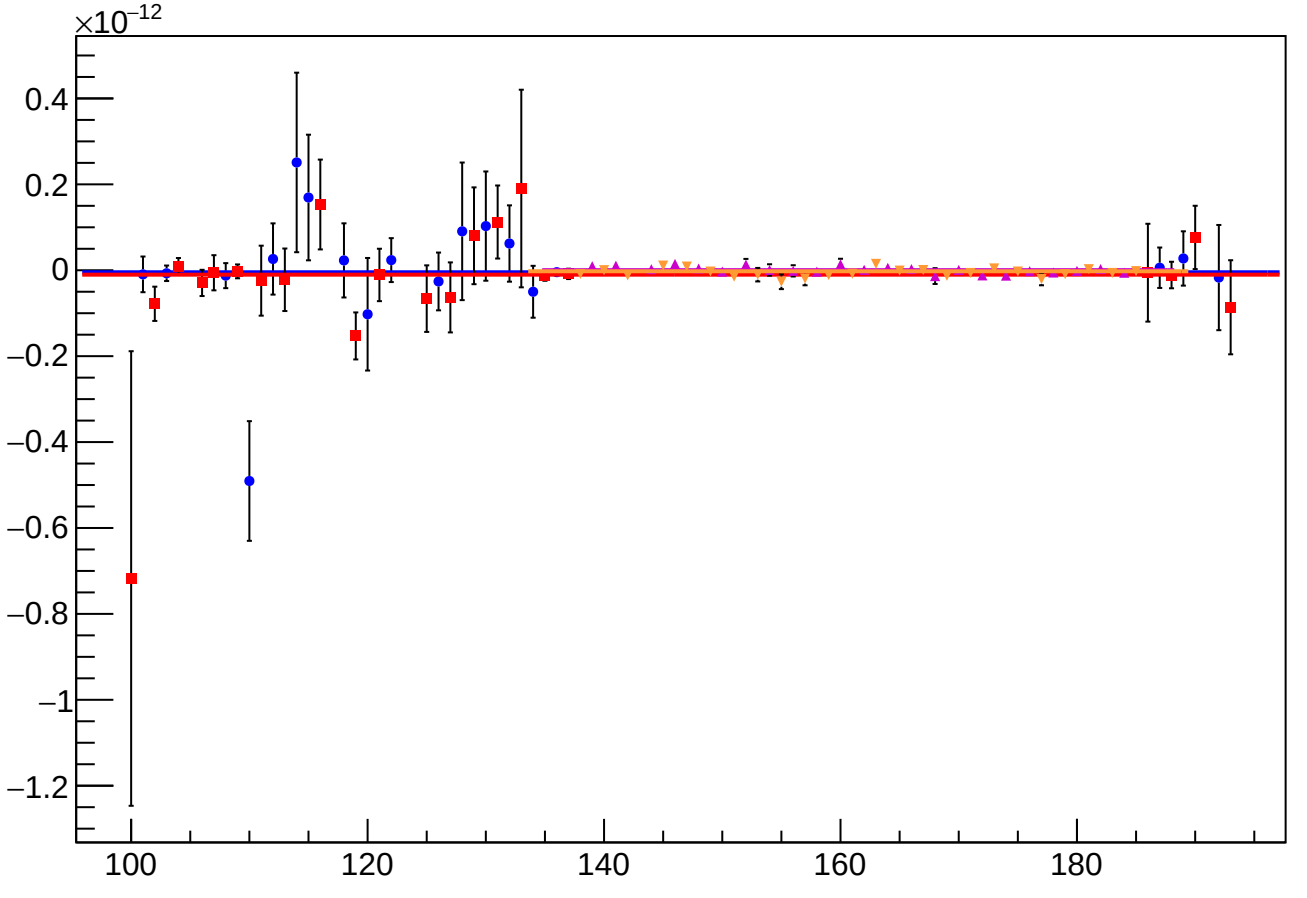
Right Out: 52.423+/-0.014 χ^2/NDF: 3561808.1/21

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 52.805+/-0.009 χ^2/NDF: 14149419.7/42

All: 51.900+/-0.006 χ^2/NDF: 29942073.2/87

\- sign 51.057+/-0.009 χ^2/NDF: 15772521.0/44



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

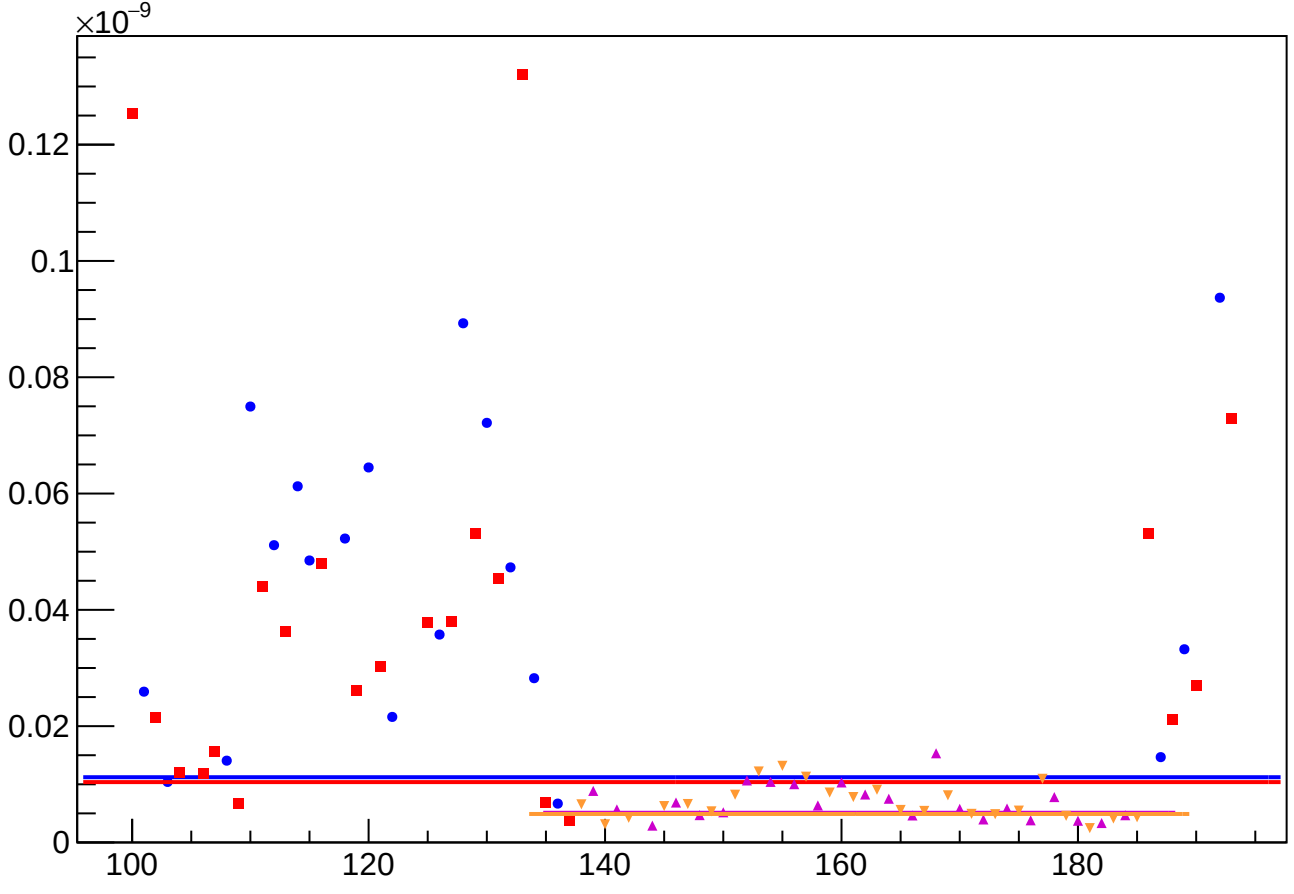
Right Out: -0.000+/-0.000 χ^2/NDF: 22.0/21

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: 85.0/87

- sign -0.000+/-0.000 χ^2/NDF: 42.8/44



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: 5351581.6/21

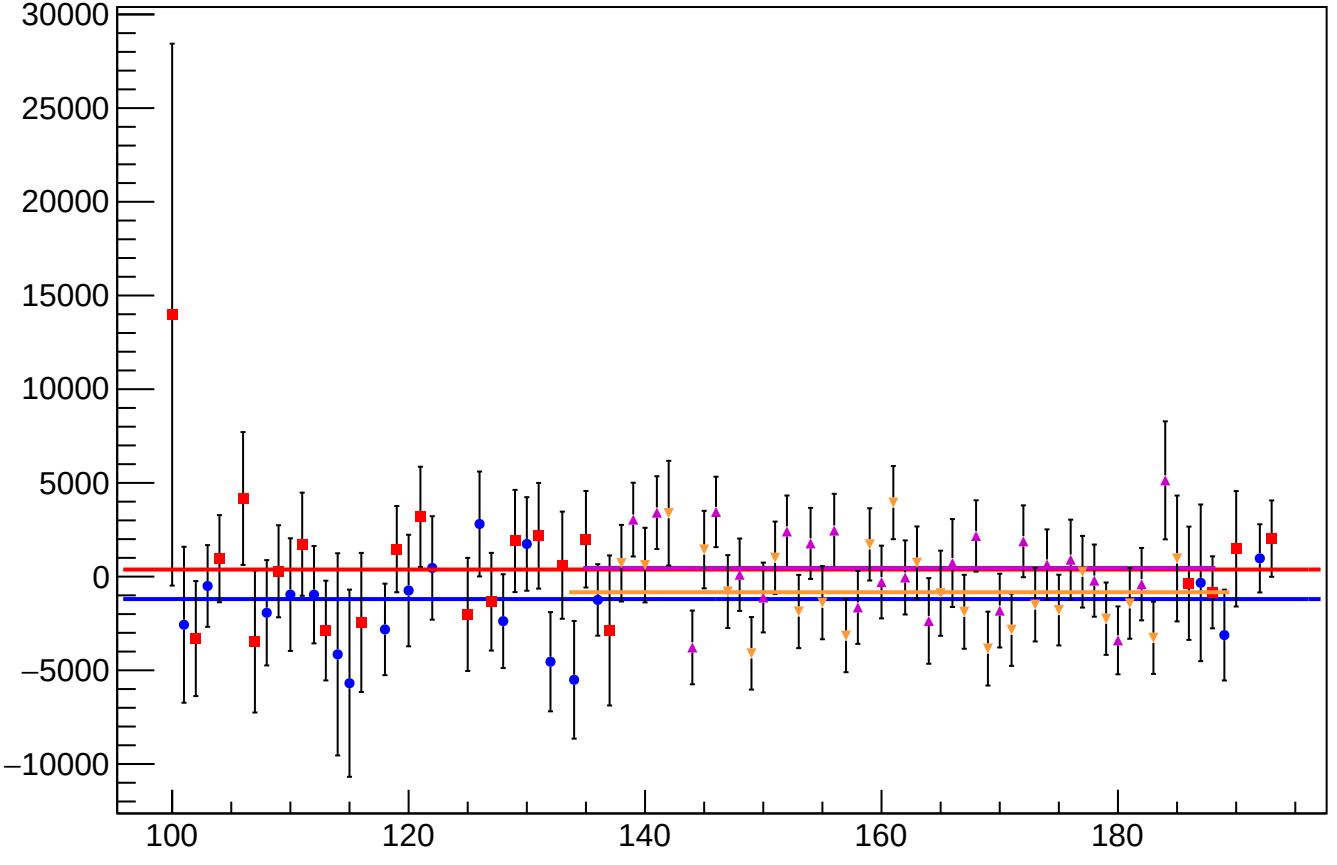
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11729061.6/42

All: 0.000+/-0.000 χ^2/NDF: 22207175.6/87

- sign 0.000+/-0.000 χ^2/NDF: 10457972.8/44

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: 377.850+/-590.828 χ^2/NDF: 12.3/21

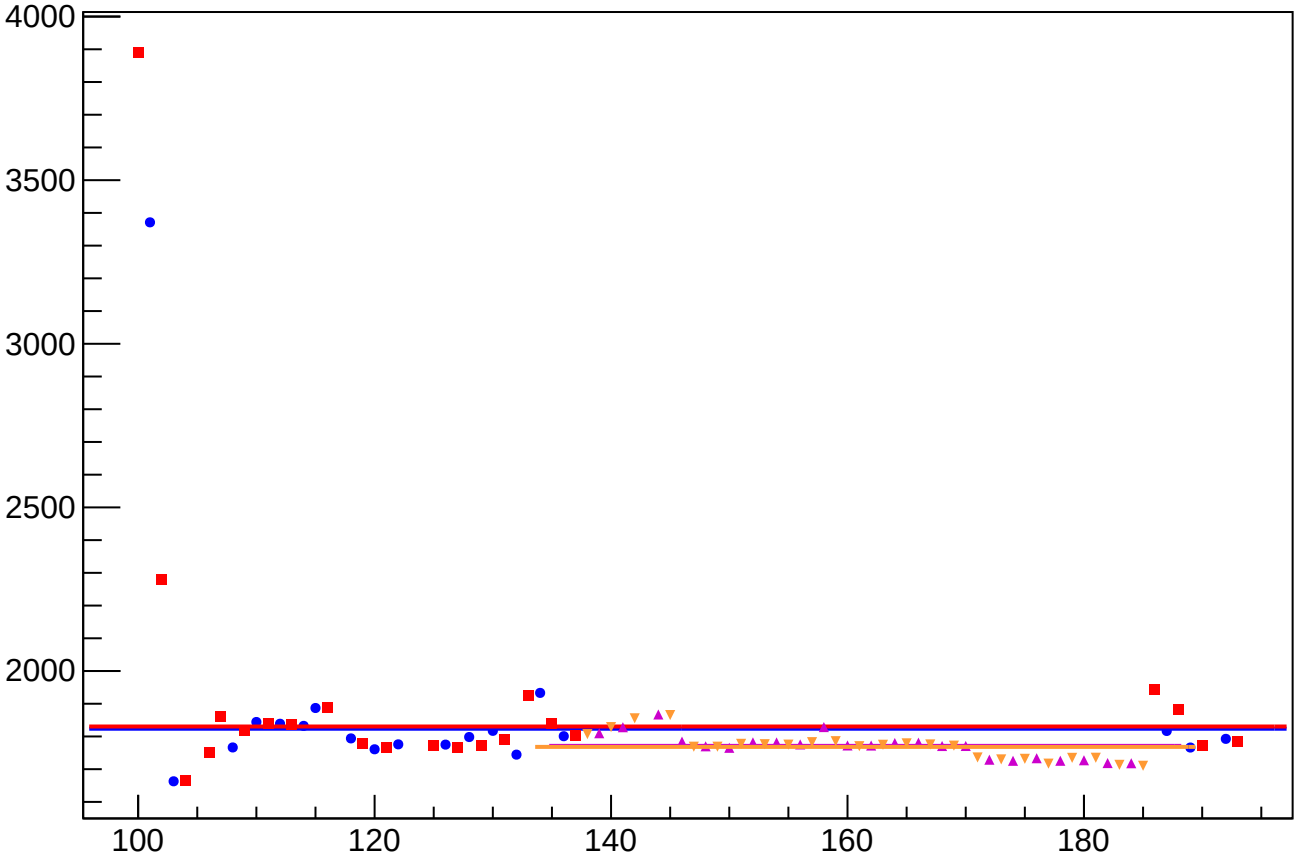
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -945.151+/-341.557 χ^2/NDF: 37.1/42

All: -250.738+/-240.554 χ^2/NDF: 84.9/87

- sign 432.707+/-338.849 χ^2/NDF: 39.6/44

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

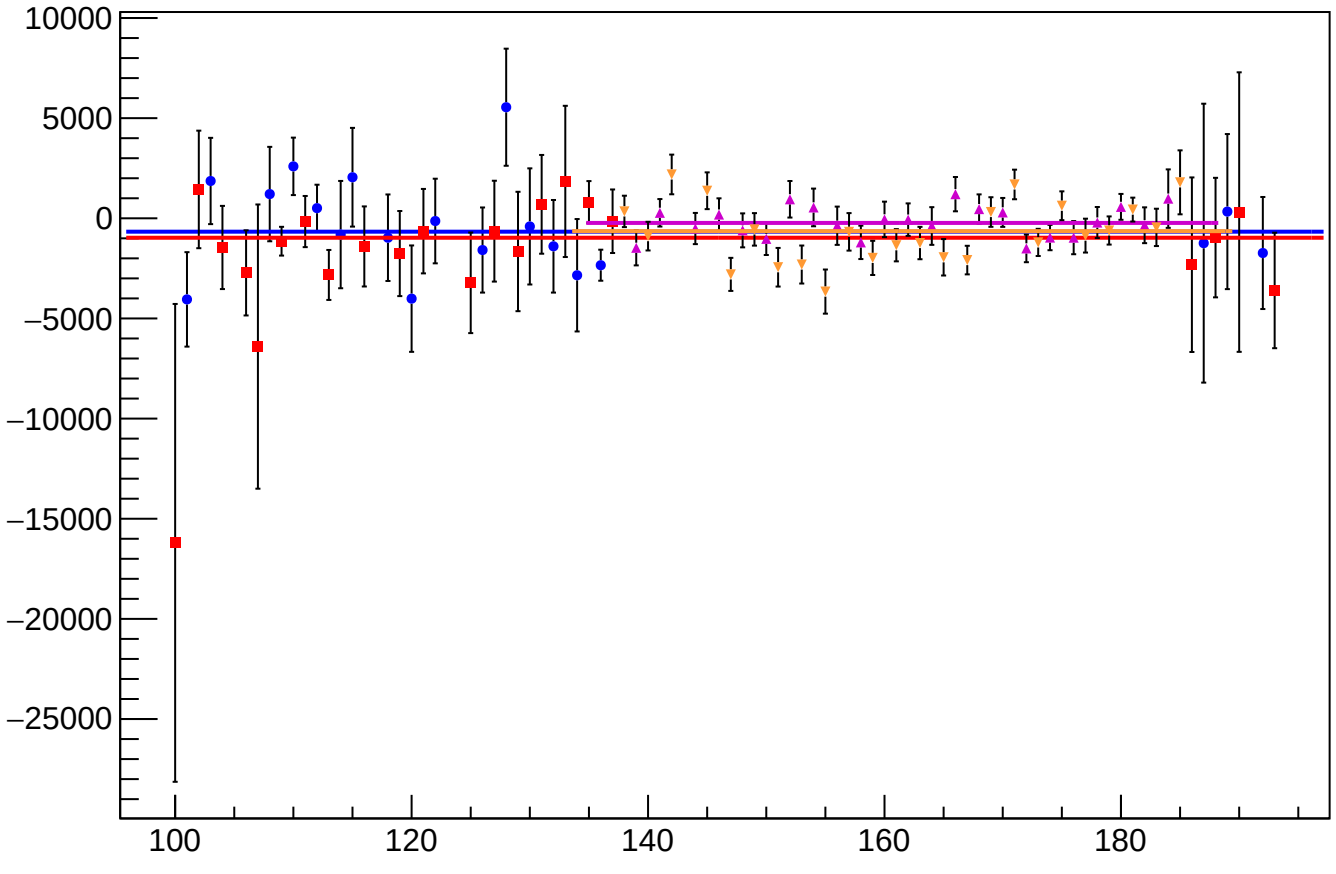
Right Out: 1830.426+/-0.418 χ^2/NDF: 109121.1/21

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.205+/-0.242 χ^2/NDF: 325134.1/42

All: 1787.971+/-0.170 χ^2/NDF: 464419.9/87

- sign 1790.692+/-0.240 χ^2/NDF: 139025.6/44



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: -970.489+/-384.429 χ^2/NDF: 12.5/21

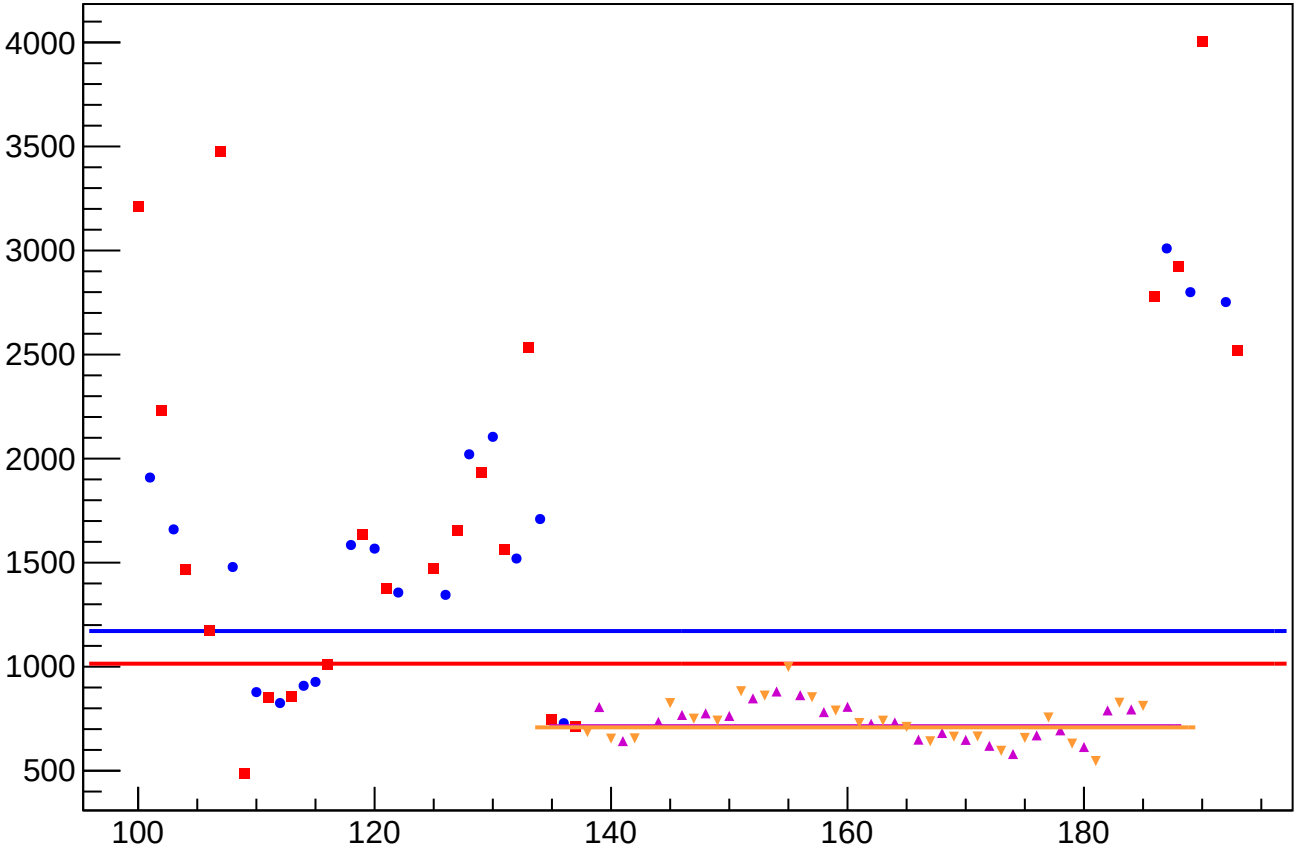
Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -644.471+/-155.371 χ^2/NDF: 90.1/42

All: -495.942+/-109.443 χ^2/NDF: 127.5/87

- sign -349.668+/-154.187 χ^2/NDF: 35.6/44

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: 1014.482+/-0.272 χ^2/NDF: 5207397.5/21

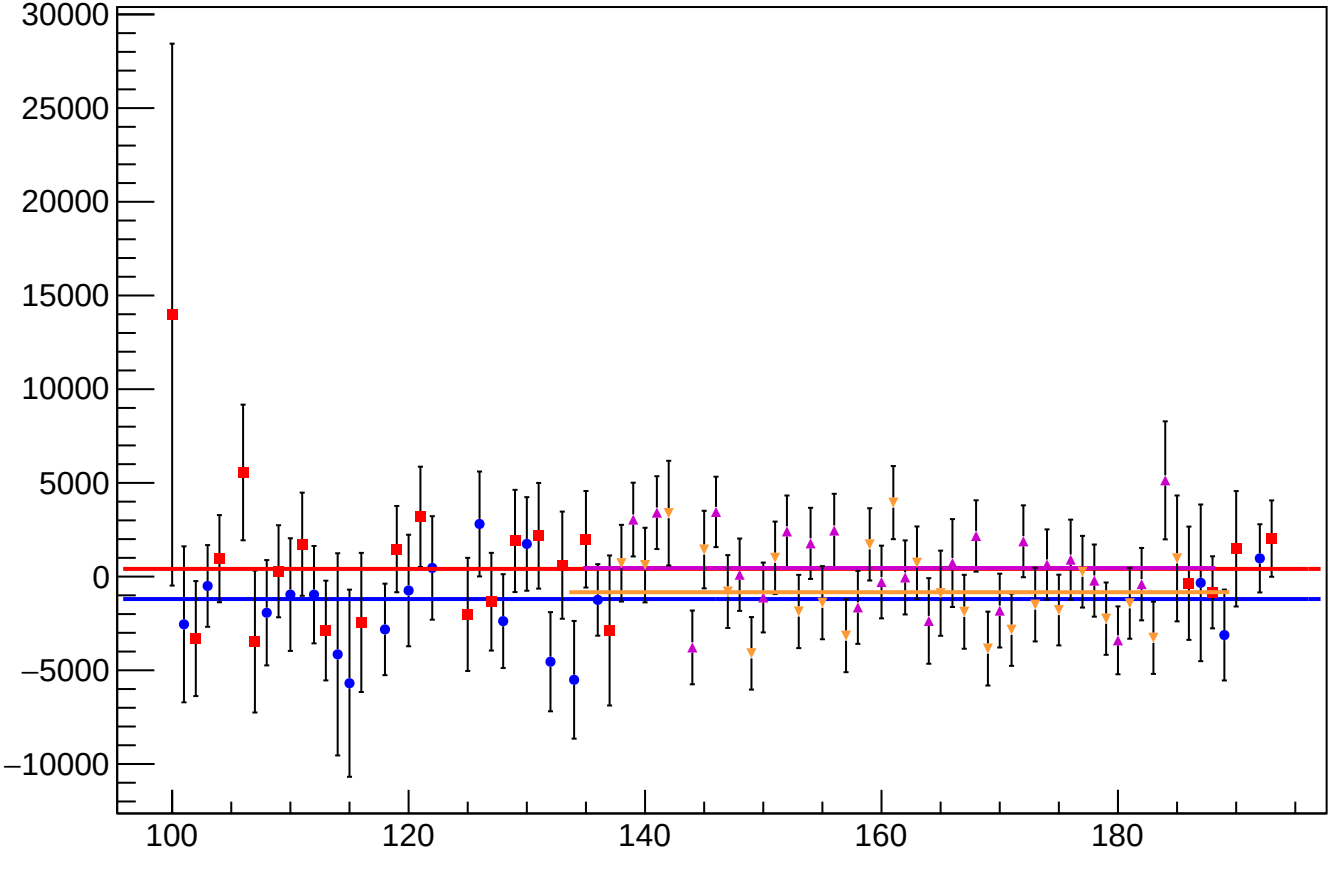
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 768.062+/-0.110 χ^2/NDF: 5748386.7/42

All: 765.246+/-0.077 χ^2/NDF: 12478563.9/87

- sign 762.473+/-0.109 χ^2/NDF: 6728873.6/44

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: 410.529+/-591.164 χ^2/NDF: 13.2/21

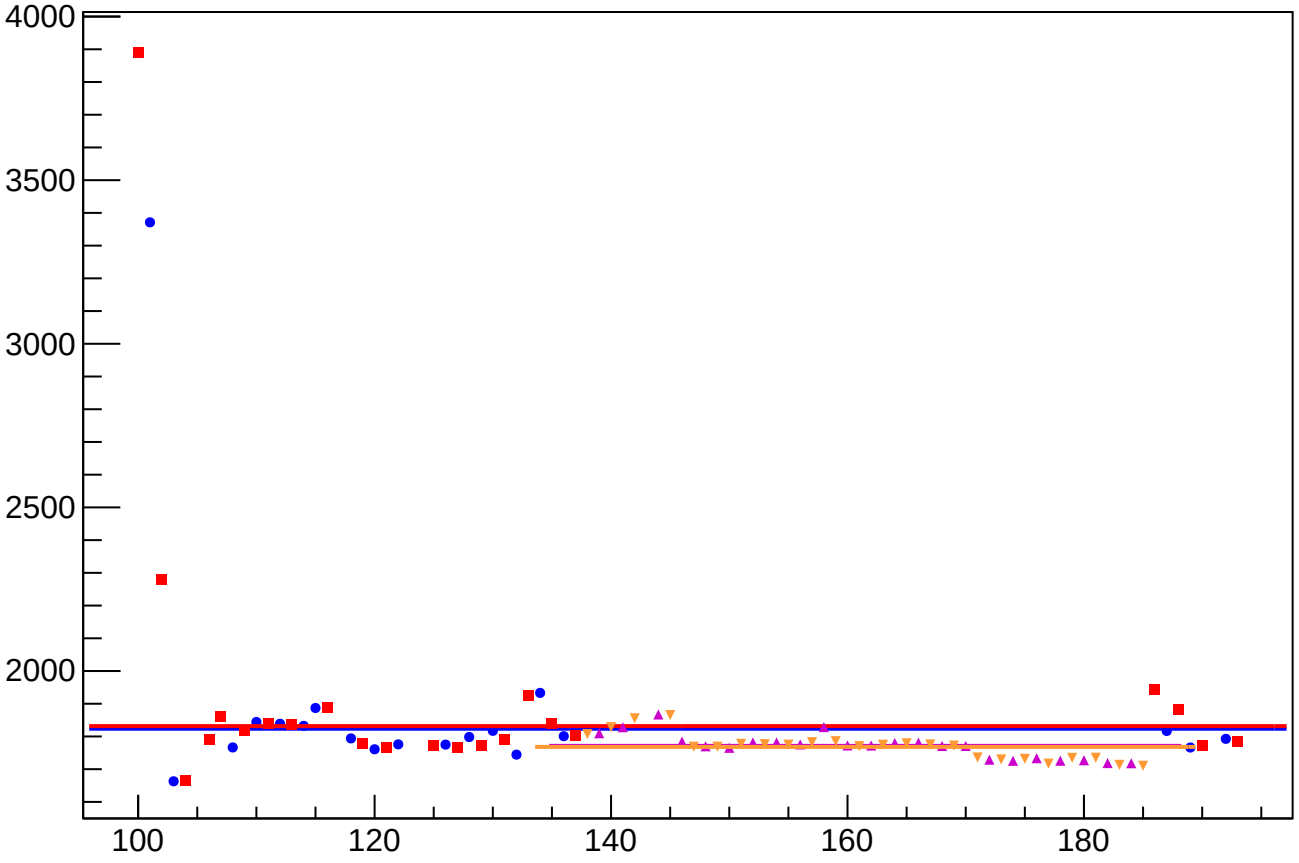
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

\+ sign -944.919+/-341.557 χ^2/NDF: 37.1/42

All: -245.343+/-240.577 χ^2/NDF: 85.9/87

\- sign 443.441+/-338.913 χ^2/NDF: 40.5/44

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

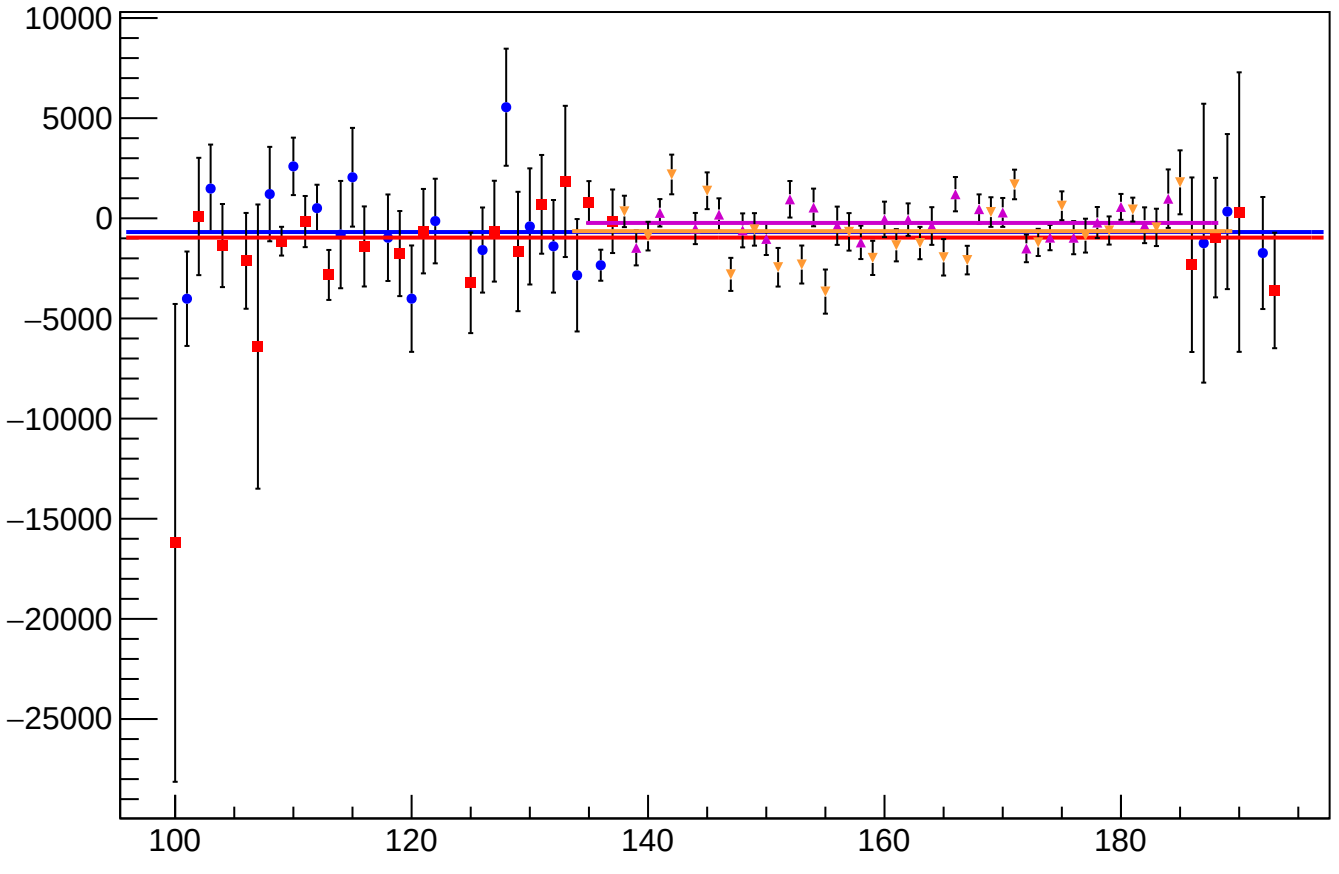
Right Out: 1831.607+/-0.418 χ^2/NDF: 108330.6/21

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.205+/-0.242 χ^2/NDF: 325135.9/42

All: 1788.158+/-0.170 χ^2/NDF: 464200.2/87

- sign 1791.066+/-0.240 χ^2/NDF: 138767.6/44



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: -962.433+/-385.728 χ^2/NDF: 11.5/21

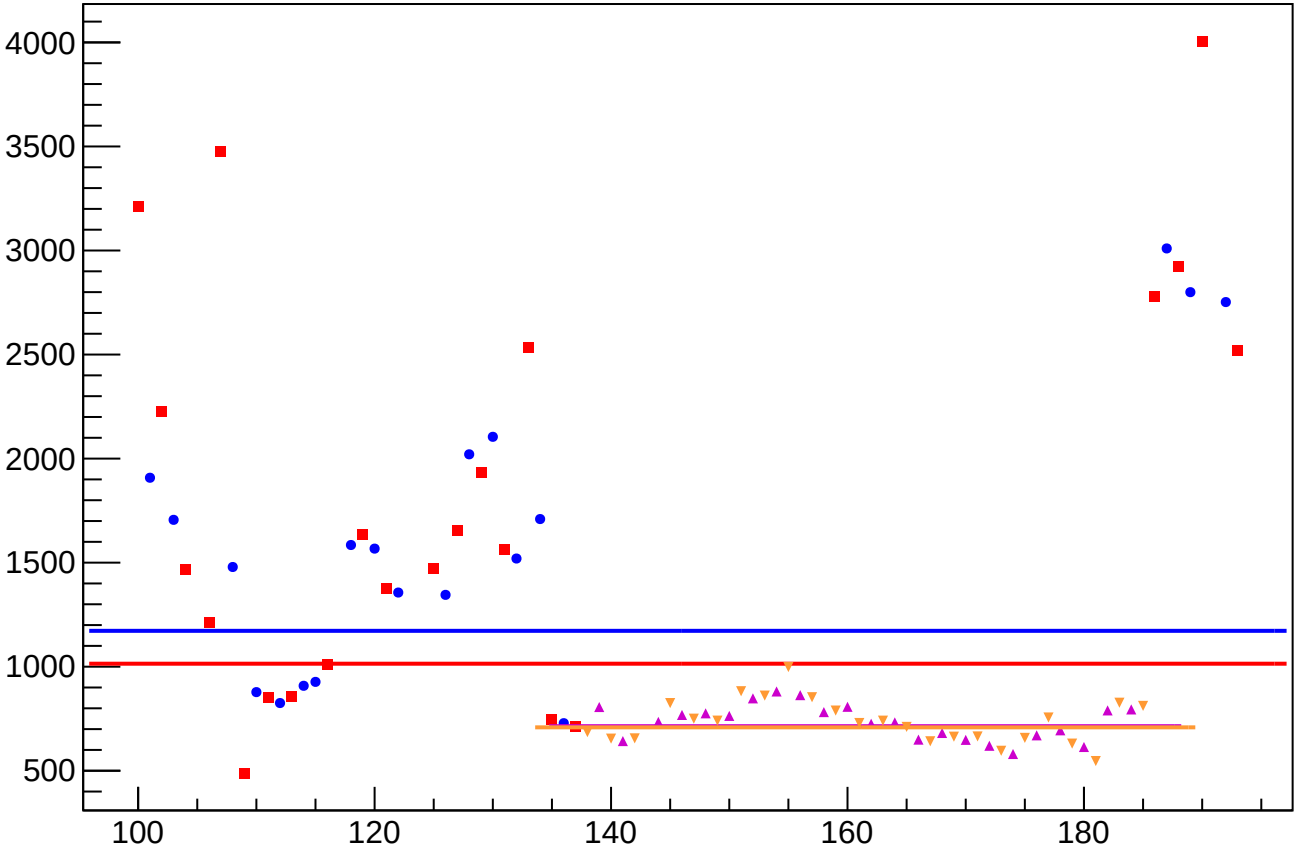
Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -646.740+/-155.388 χ^2/NDF: 89.7/42

All: -496.112+/-109.479 χ^2/NDF: 126.0/87

- sign -347.641+/-154.272 χ^2/NDF: 34.5/44

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: 1014.364+/-0.273 χ^2/NDF: 5208625.2/21

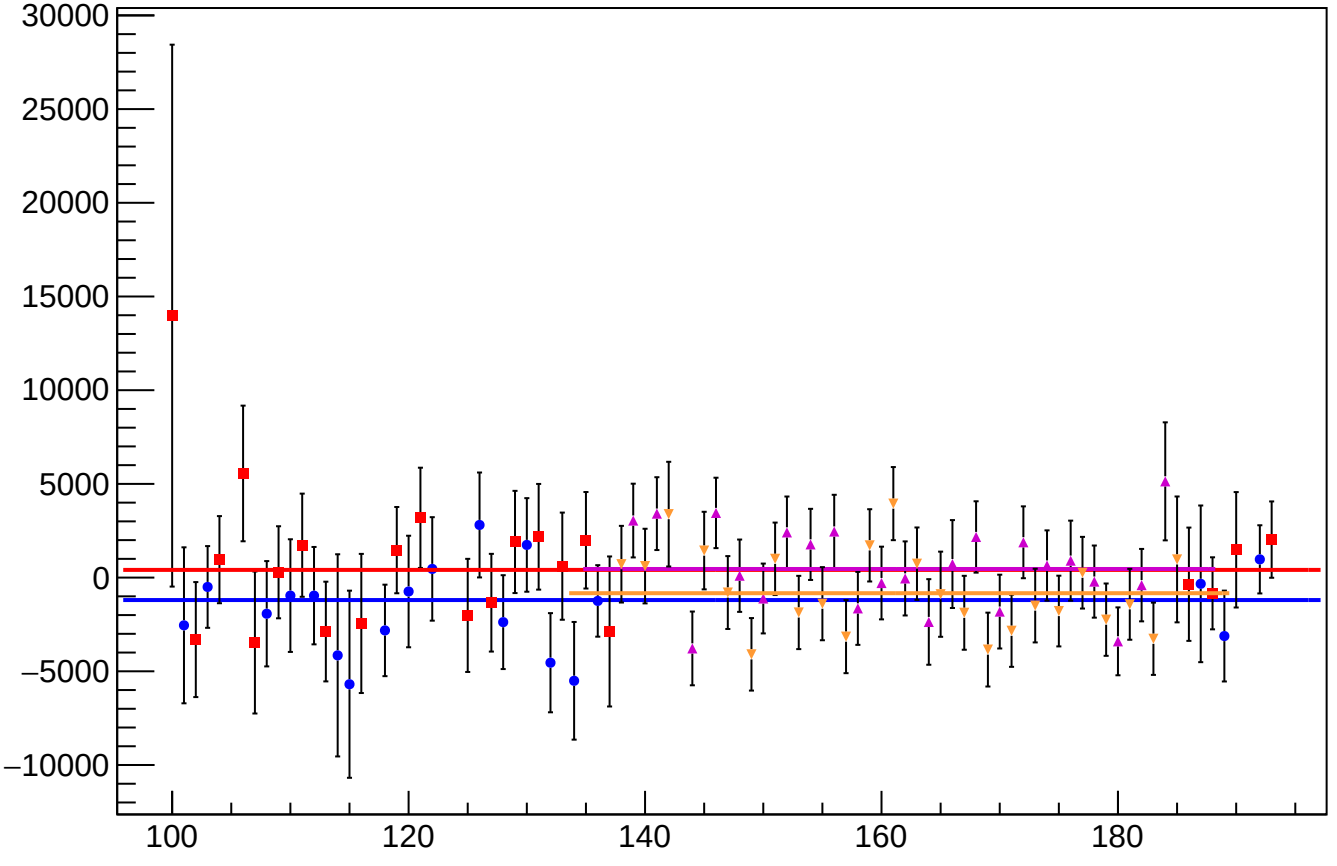
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 768.112+/-0.110 χ^2/NDF: 5768993.8/42

All: 765.128+/-0.077 χ^2/NDF: 12493934.1/87

- sign 762.187+/-0.109 χ^2/NDF: 6723476.2/44

eigen_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: 410.529+/-591.164 χ^2/NDF: 13.2/21

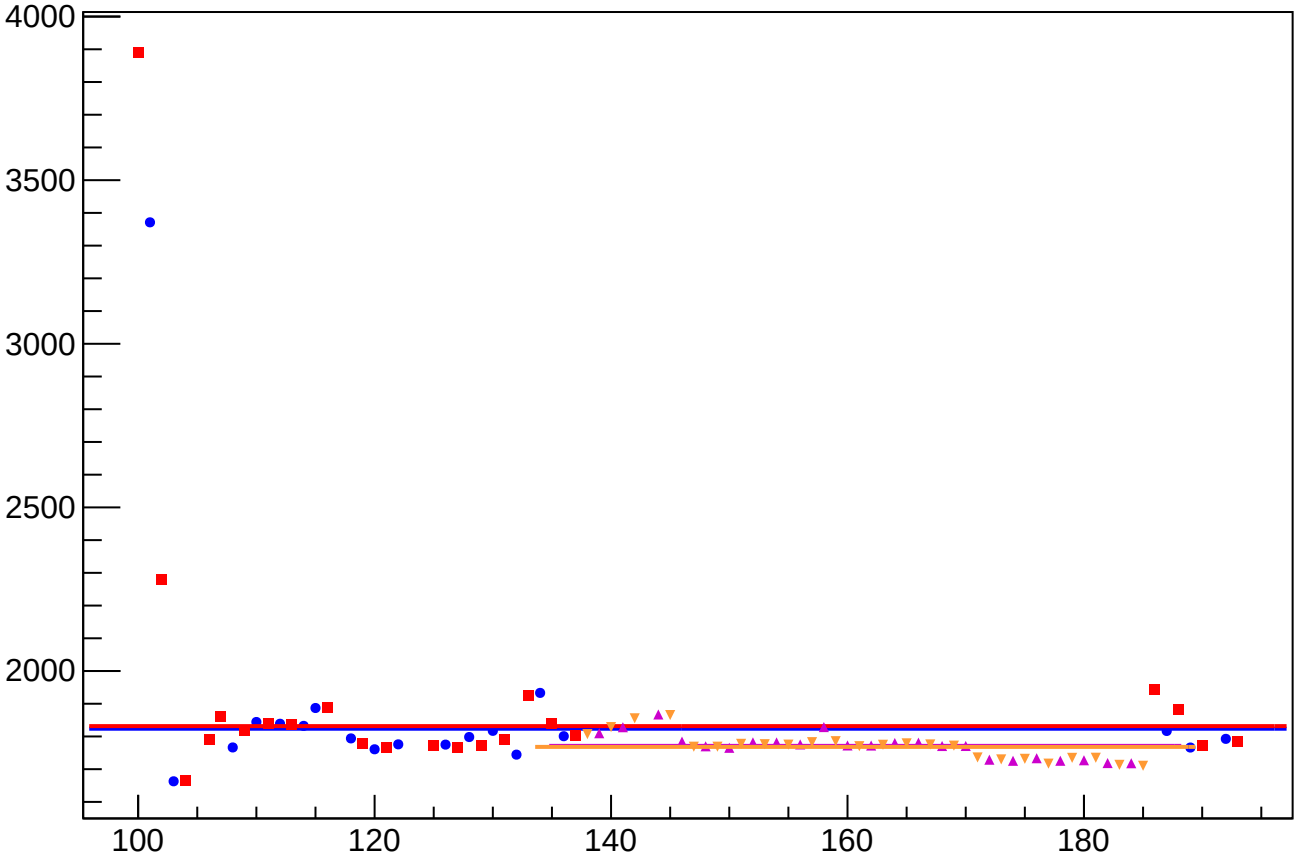
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -944.919+/-341.557 χ^2/NDF: 37.1/42

All: -245.343+/-240.577 χ^2/NDF: 85.9/87

- sign 443.441+/-338.913 χ^2/NDF: 40.5/44

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

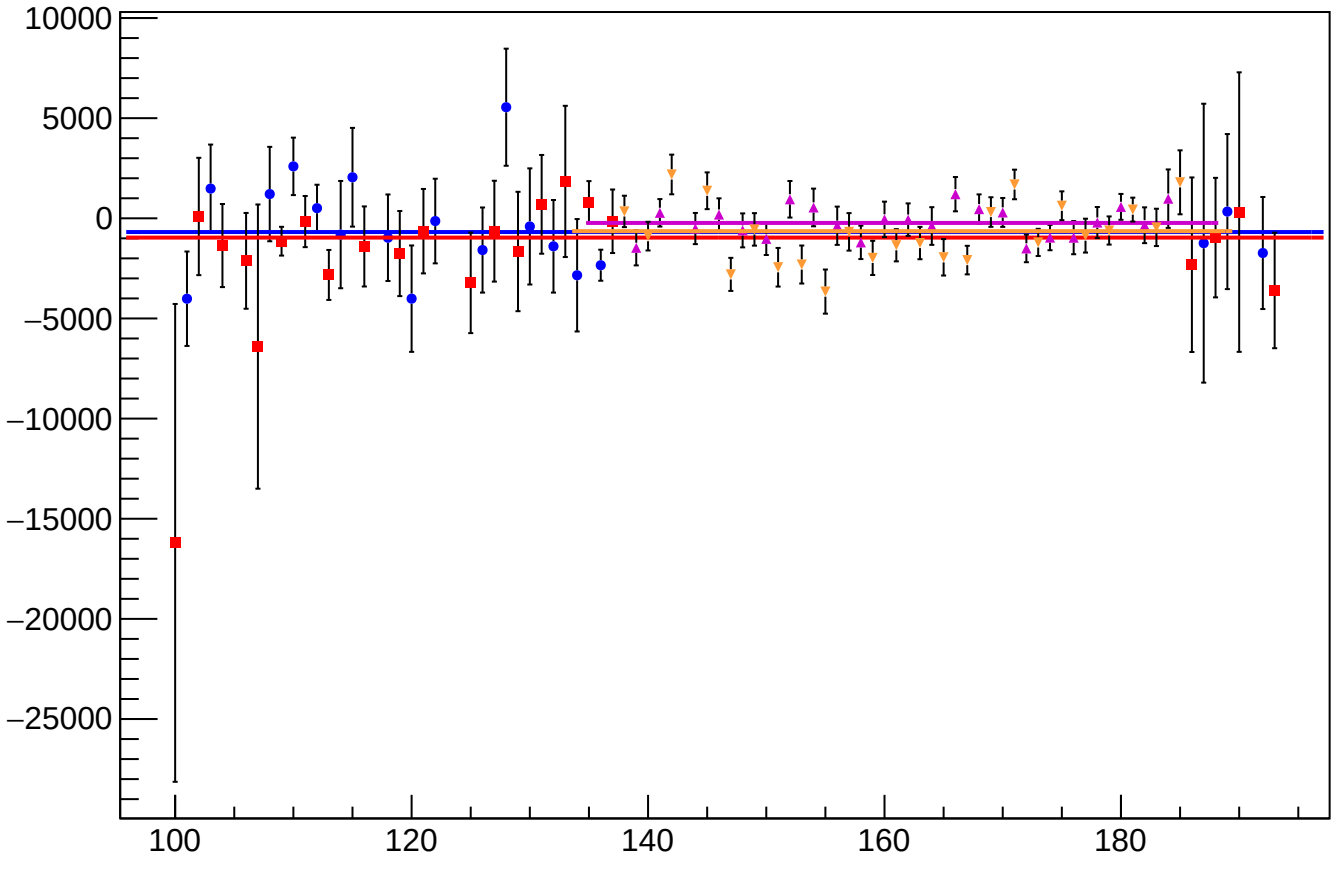
Right Out: 1831.607+/-0.418 χ^2/NDF: 108330.6/21

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

\+ sign 1785.205+/-0.242 χ^2/NDF: 325135.9/42

All: 1788.158+/-0.170 χ^2/NDF: 464200.2/87

\- sign 1791.066+/-0.240 χ^2/NDF: 138767.6/44



Right In: -685.637+/-433.468 χ^2/NDF: 23.0/18

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

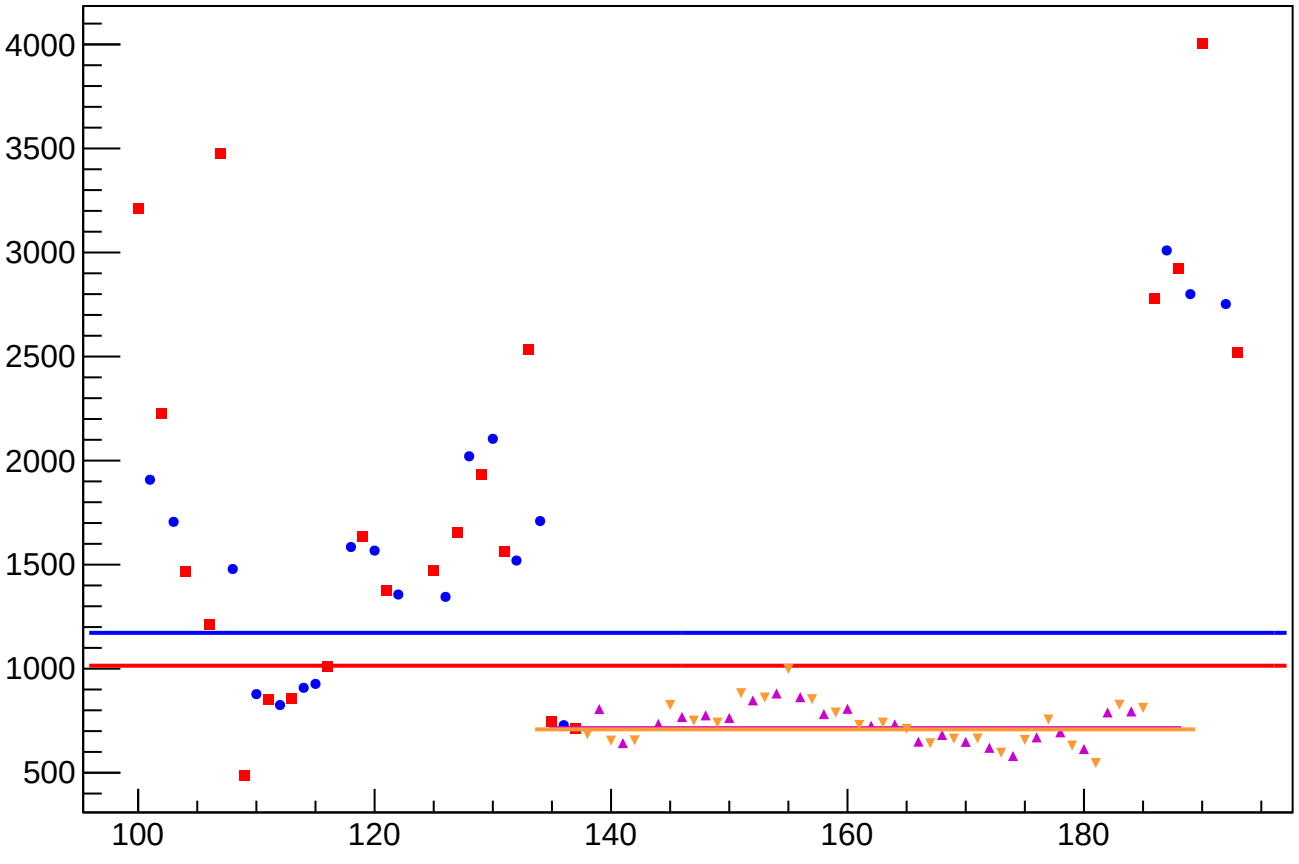
Right Out: -962.433+/-385.728 χ^2/NDF: 11.5/21

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -646.740+/-155.388 χ^2/NDF: 89.7/42

All: -496.112+/-109.479 χ^2/NDF: 126.0/87

- sign -347.641+/-154.272 χ^2/NDF: 34.5/44



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: 1014.364+/-0.273 χ^2/NDF: 5208625.2/21

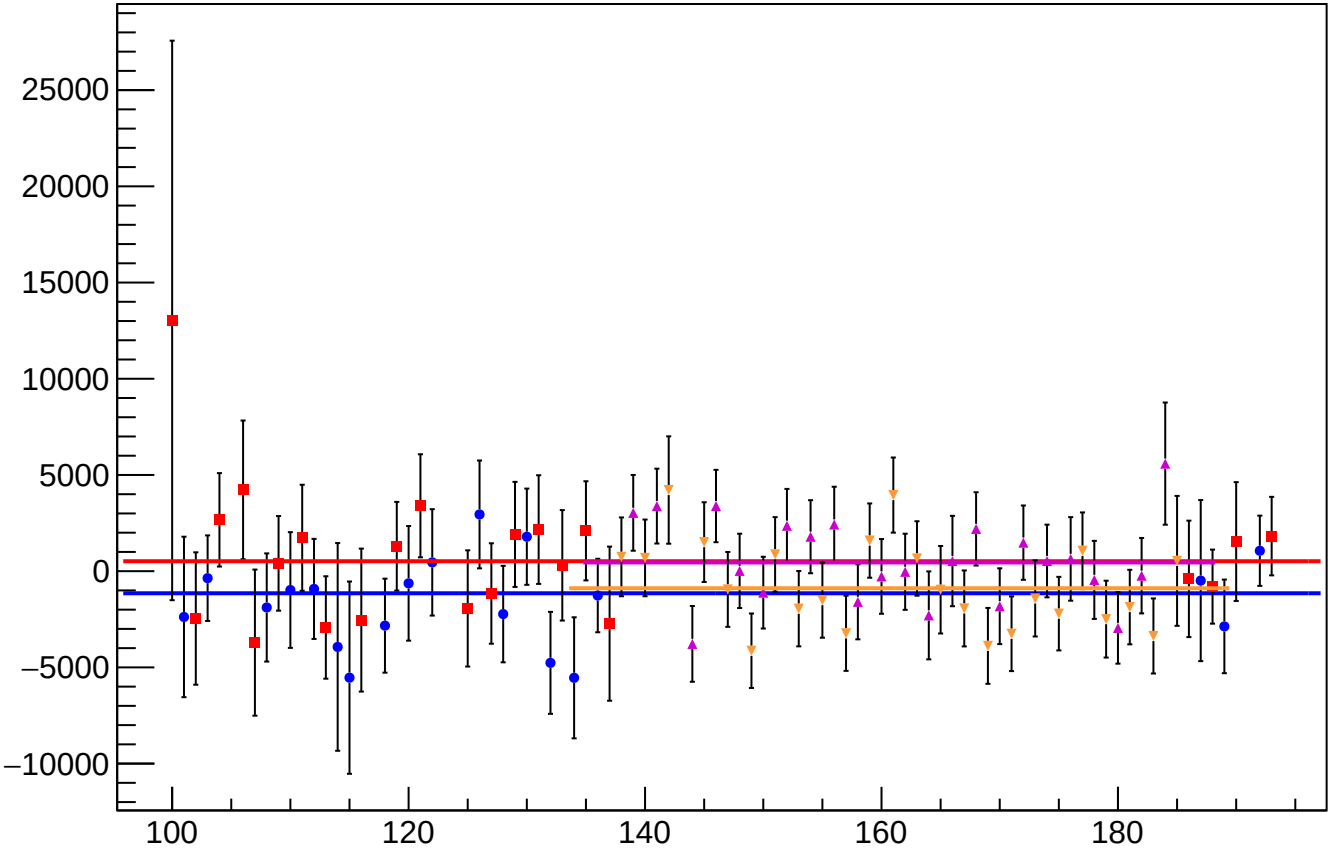
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 768.112+/-0.110 χ^2/NDF: 5768993.8/42

All: 765.128+/-0.077 χ^2/NDF: 12493934.1/87

- sign 762.187+/-0.109 χ^2/NDF: 6723476.2/44

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: 517.196+/-595.600 χ^2/NDF: 12.2/21

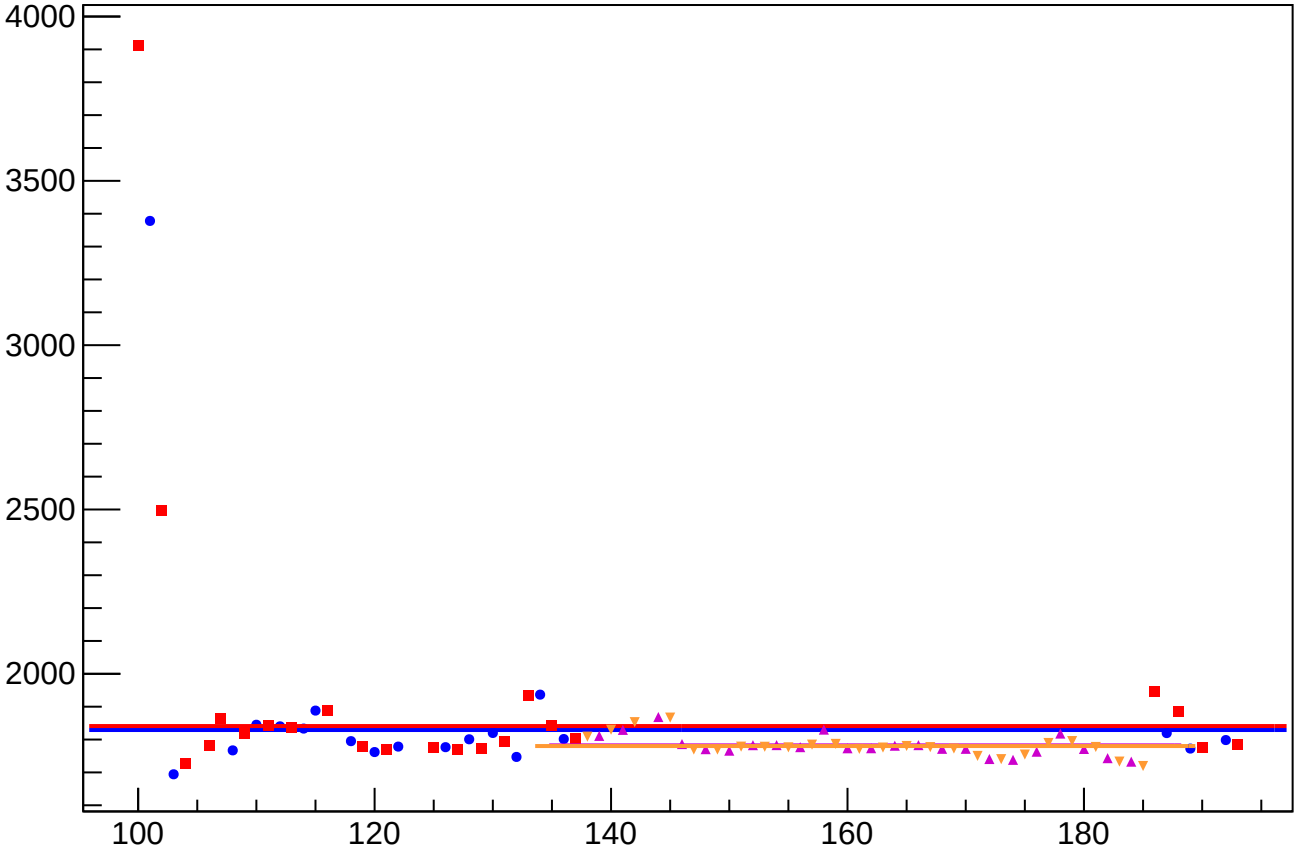
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -967.313+/-343.457 χ^2/NDF: 40.0/42

All: -241.704+/-242.044 χ^2/NDF: 86.8/87

- sign 474.222+/-341.158 χ^2/NDF: 38.0/44

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

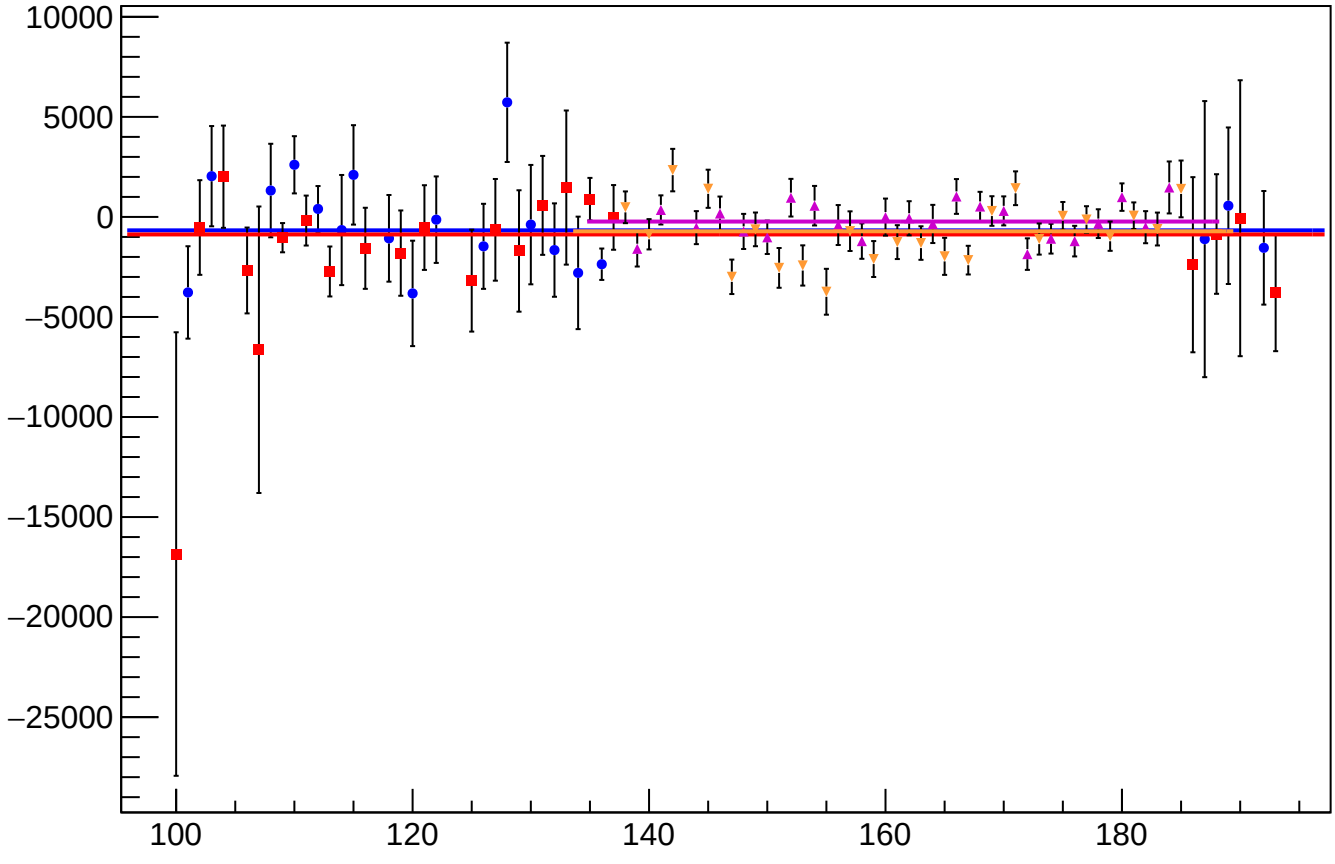
Right Out: 1841.069+/-0.421 χ^2/NDF: 133982.5/21

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.296+/-0.243 χ^2/NDF: 312971.7/42

All: 1798.459+/-0.171 χ^2/NDF: 471607.8/87

- sign 1801.581+/-0.241 χ^2/NDF: 158299.0/44



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: -875.166+/-388.051 χ^2/NDF: 13.4/21

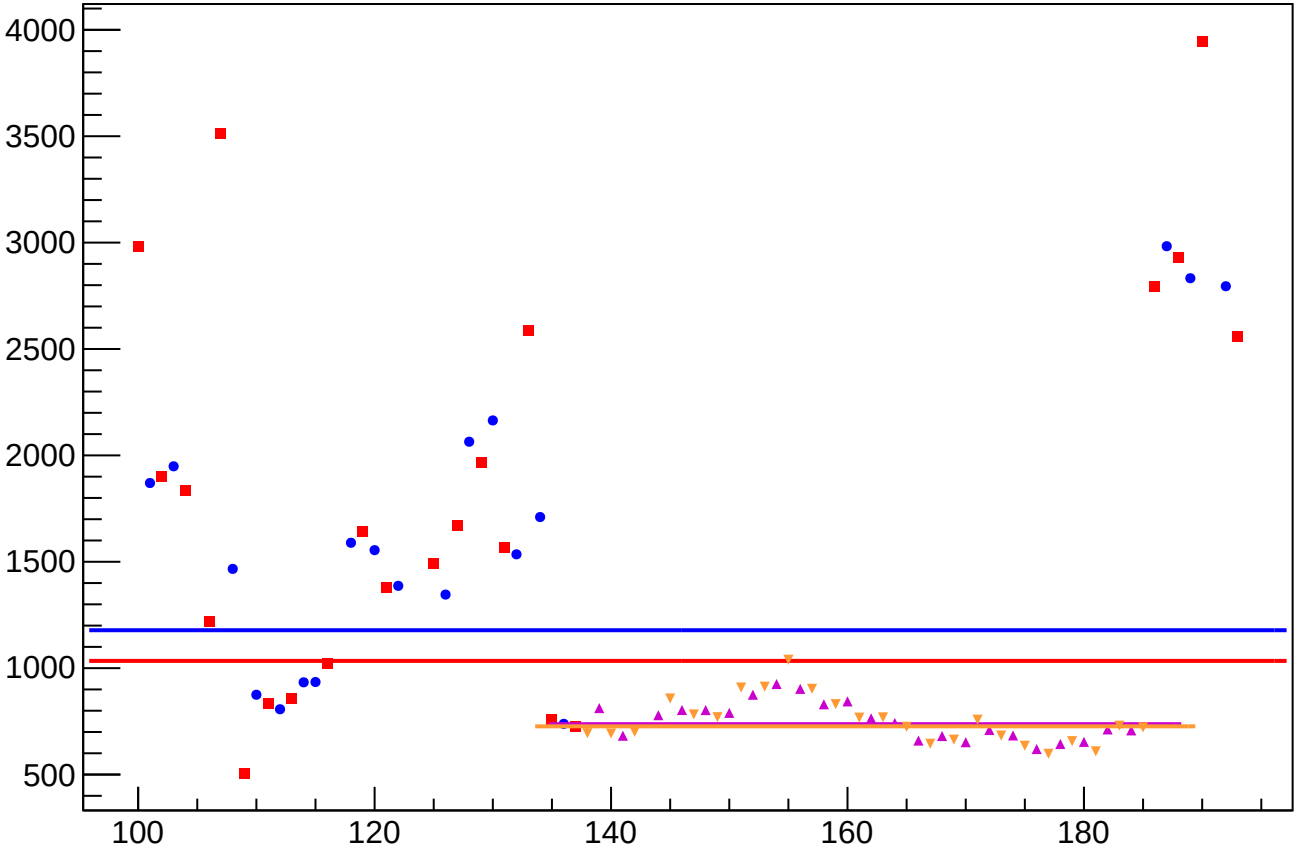
Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -710.548+/-158.914 χ^2/NDF: 82.3/42

All: -523.860+/-112.166 χ^2/NDF: 124.9/87

- sign -338.518+/-158.340 χ^2/NDF: 39.8/44

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

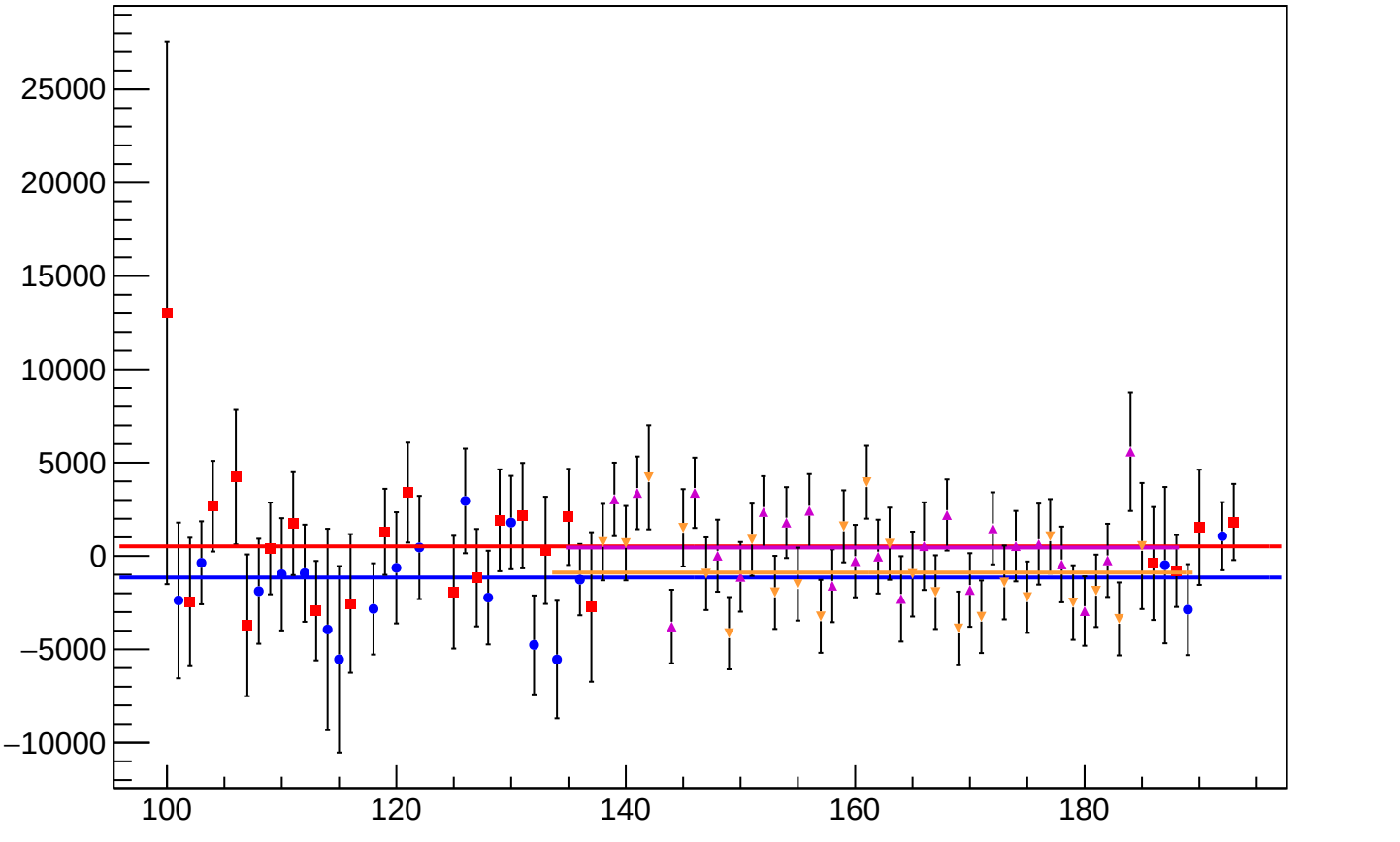
Right Out: 1034.138+/-0.274 χ^2/NDF: 5172778.3/21

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

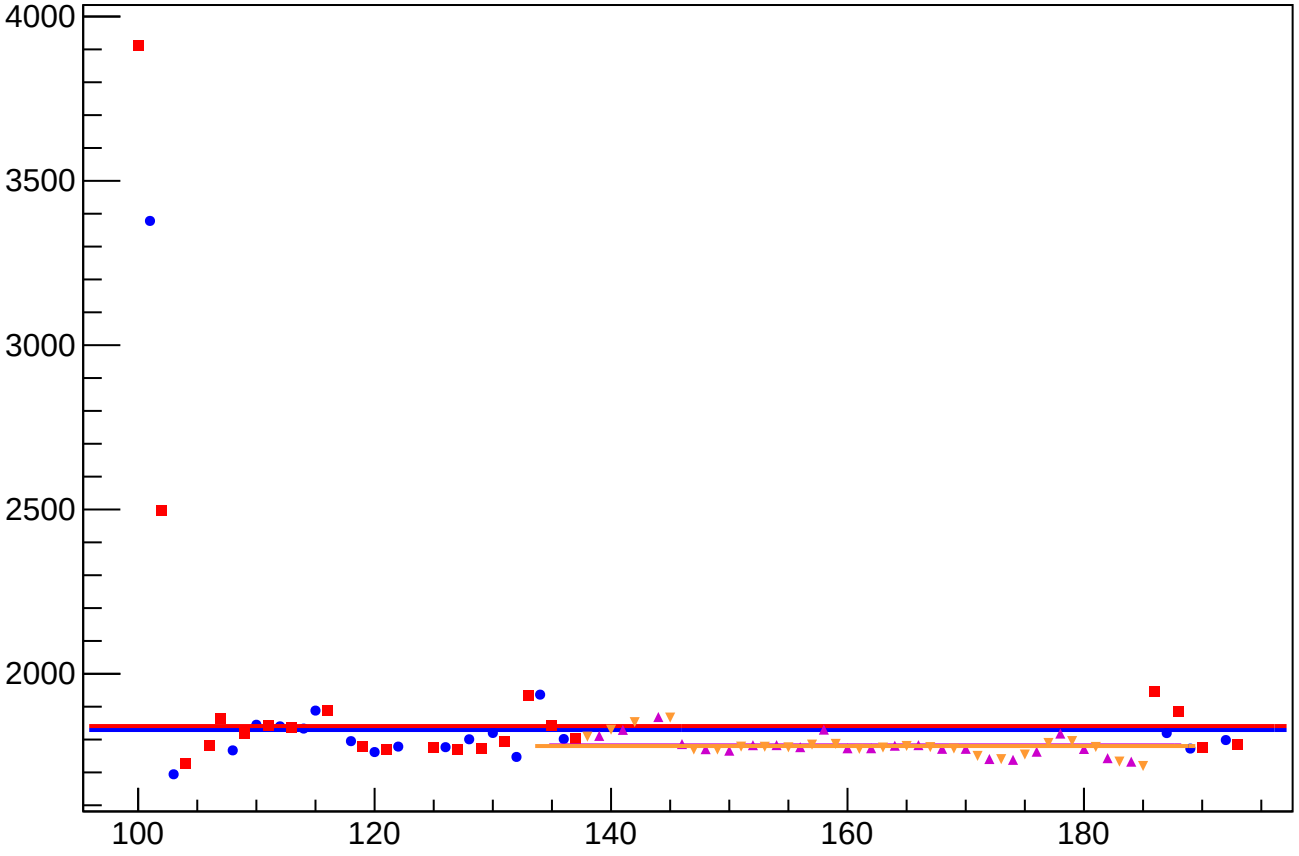
\+ sign 786.373+/-0.112 χ^2/NDF: 5704113.3/42

All: 786.301+/-0.079 χ^2/NDF: 12321256.7/87

\- sign 786.230+/-0.112 χ^2/NDF: 6617142.6/44


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
Right In: -1148.213+/-617.690 χ²/NDF: 11.7/18
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: 517.200+/-595.600 χ²/NDF: 12.2/21
Left In: 453.236+/-416.200 χ²/NDF:25.8/22
+ sign -967.313+/-343.457 χ²/NDF: 40.0/42
All: -241.704+/-242.044 χ²/NDF: 86.8/87
- sign 474.222+/-341.158 χ²/NDF: 38.0/44

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

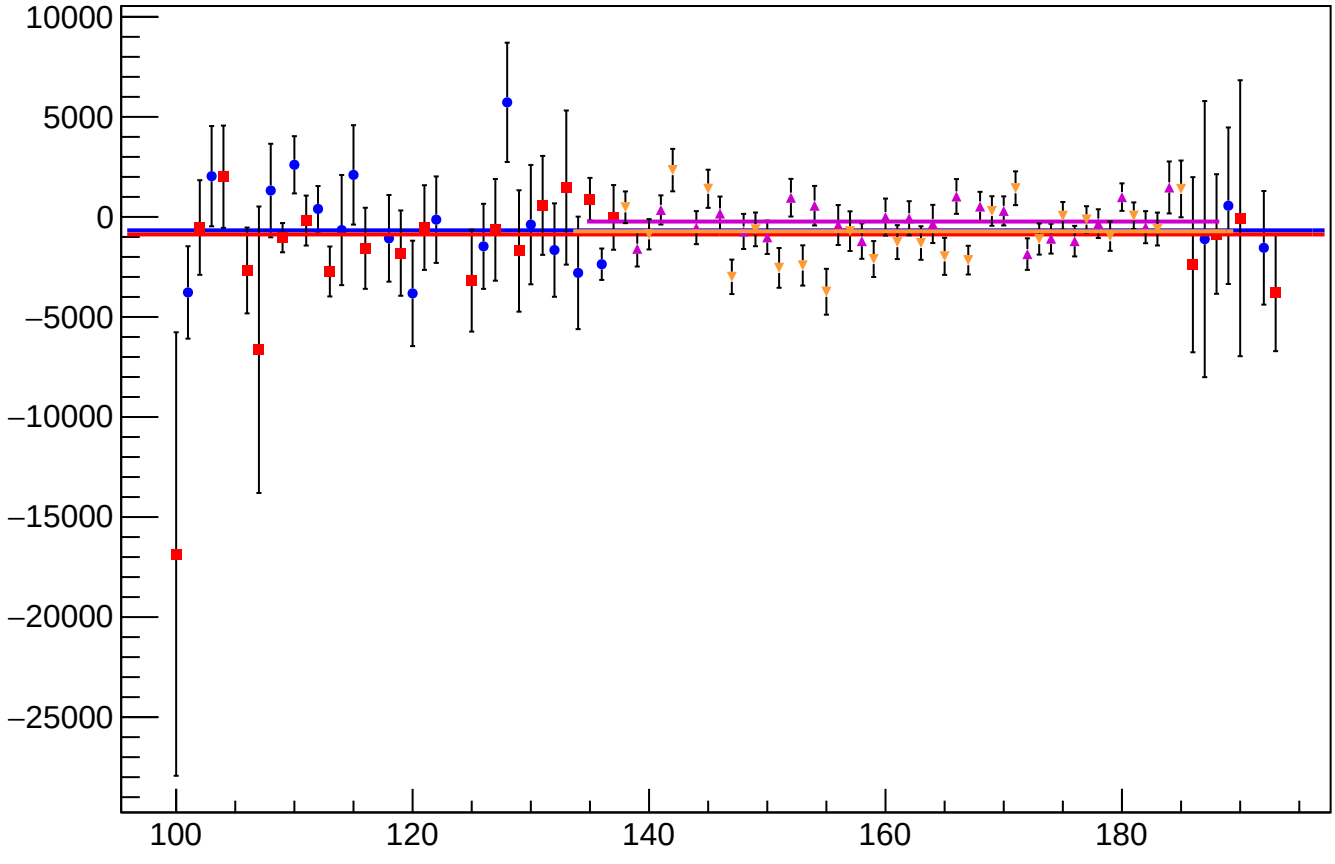
Right Out: 1841.069+/-0.421 χ^2/NDF: 133982.5/21

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.296+/-0.243 χ^2/NDF: 312971.8/42

All: 1798.459+/-0.171 χ^2/NDF: 471608.0/87

- sign 1801.581+/-0.241 χ^2/NDF: 158299.1/44



Right In: -670.853+/-436.858 χ^2/NDF: 23.0/18

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

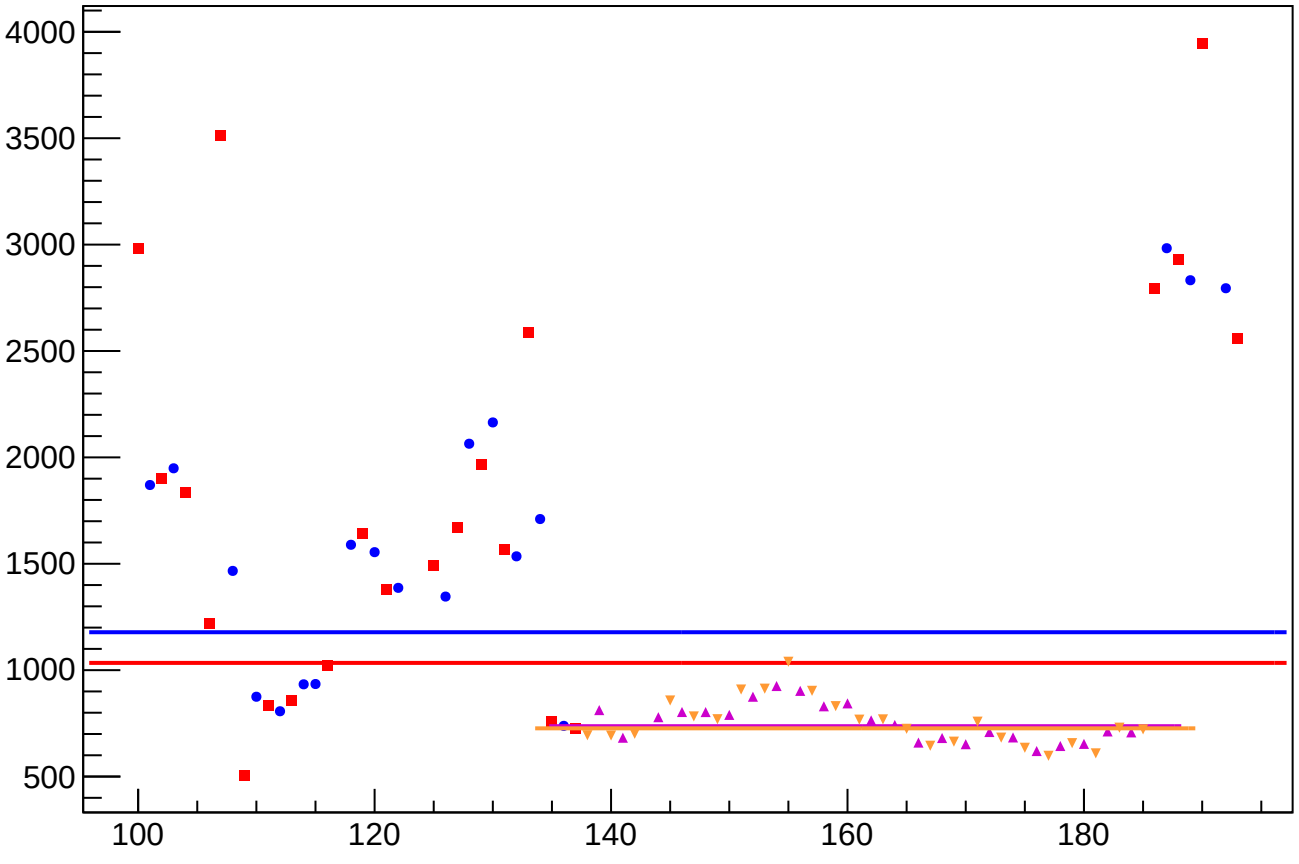
Right Out: -875.173+/-388.051 χ^2/NDF: 13.4/21

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -710.547+/-158.914 χ^2/NDF: 82.3/42

All: -523.859+/-112.166 χ^2/NDF: 124.9/87

- sign -338.518+/-158.340 χ^2/NDF: 39.8/44



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: 1034.141+/-0.274 χ^2/NDF: 5172742.2/21

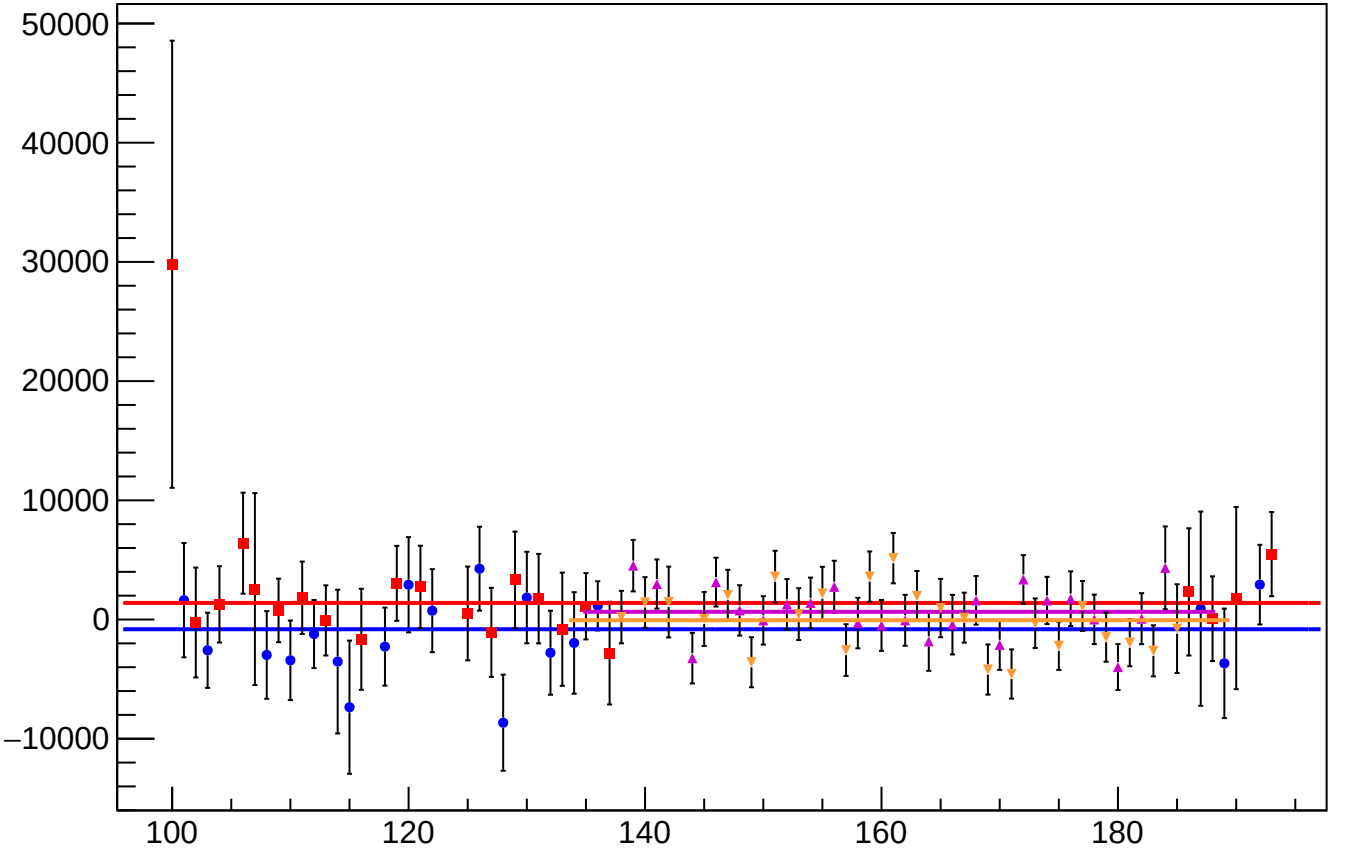
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 786.373+/-0.112 χ^2/NDF: 5704081.6/42

All: 786.301+/-0.079 χ^2/NDF: 12321219.5/87

- sign 786.230+/-0.112 χ^2/NDF: 6617137.1/44

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: 1391.244+/-808.098 χ^2/NDF: 8.5/21

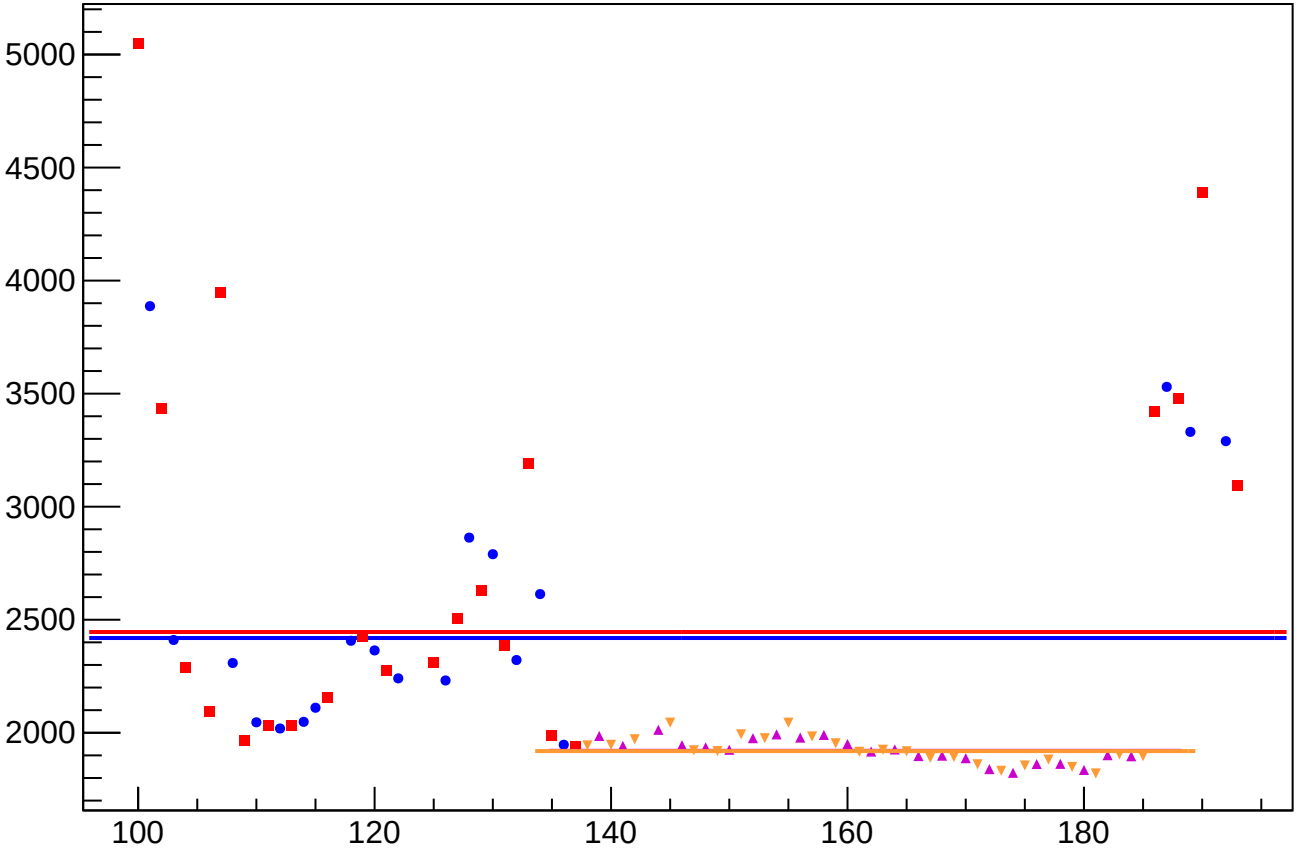
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -229.573+/-392.296 χ^2/NDF: 47.3/42

All: 296.483+/-277.353 χ^2/NDF: 83.8/87

- sign 822.218+/-392.176 χ^2/NDF: 32.8/44

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

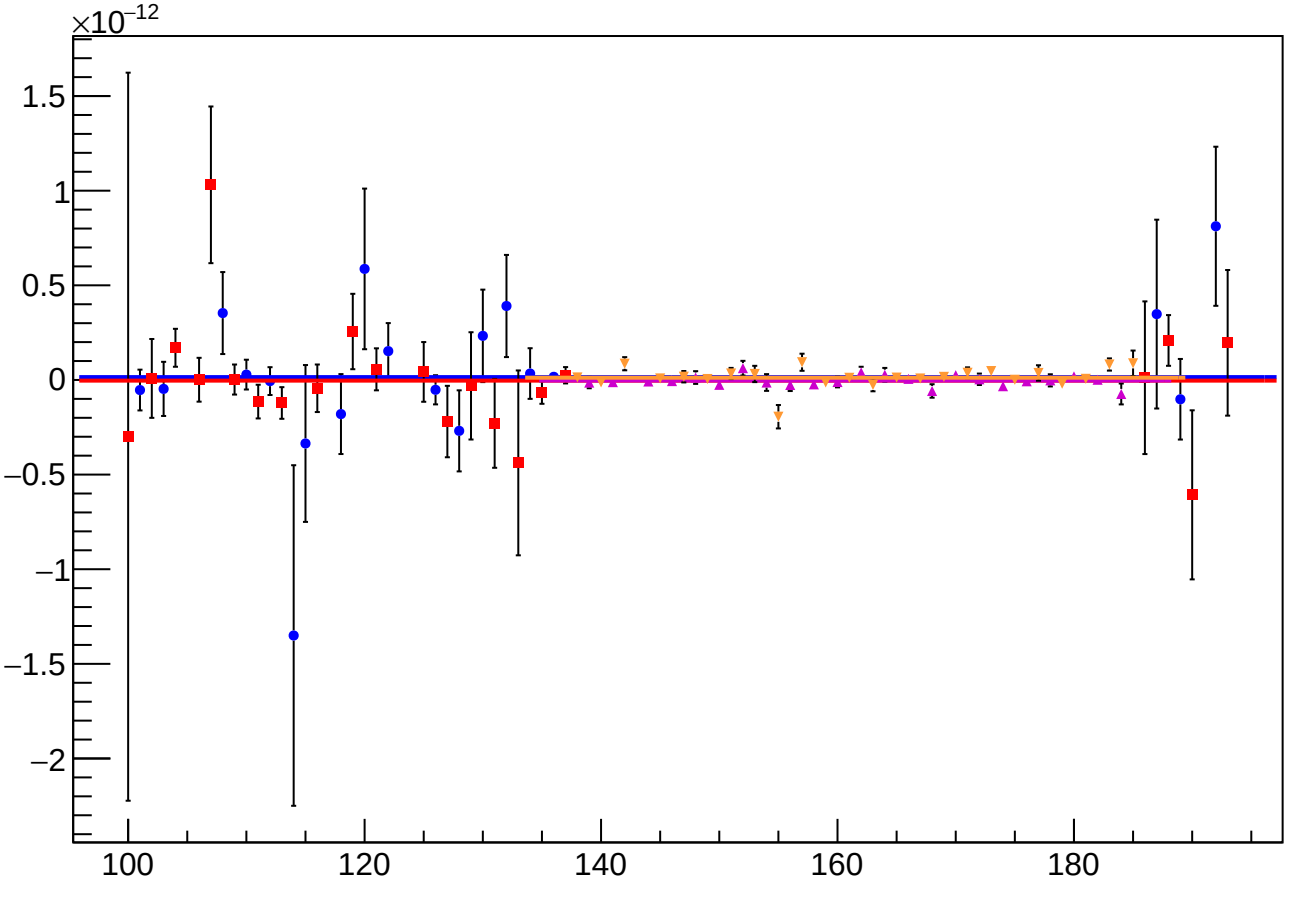
Right Out: 2445.728+/-0.571 χ^2/NDF: 947164.9/21

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2031.474+/-0.277 χ^2/NDF: 1285979.2/42

All: 2037.732+/-0.196 χ^2/NDF: 2910677.6/87

- sign 2043.987+/-0.277 χ^2/NDF: 1623680.7/44



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

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

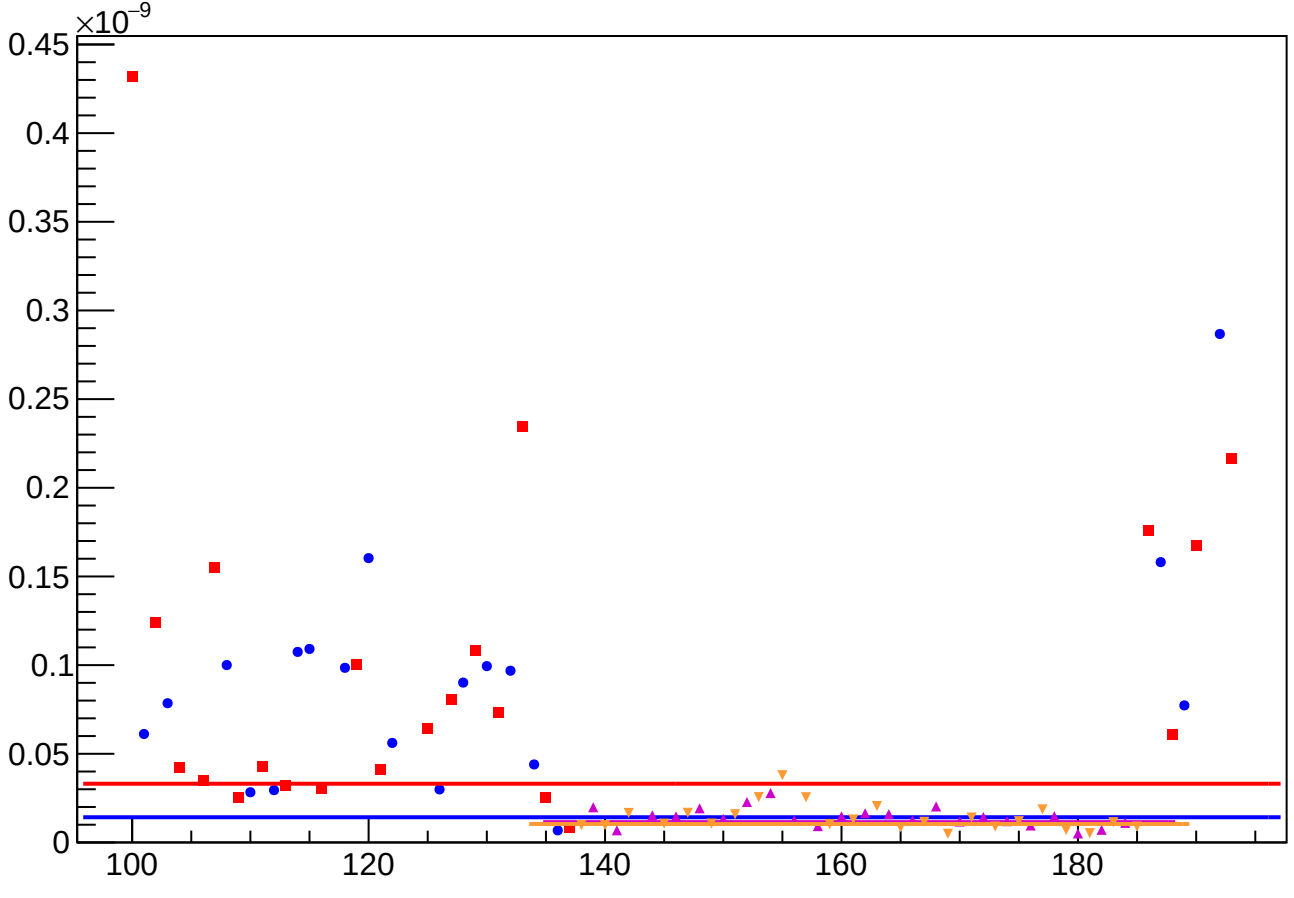
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/21

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: 106.5/87

- sign -0.000+/-0.000 χ^2/NDF: 43.7/44



Right In: 0.000+/-0.000 χ^2/NDF: 4603681.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

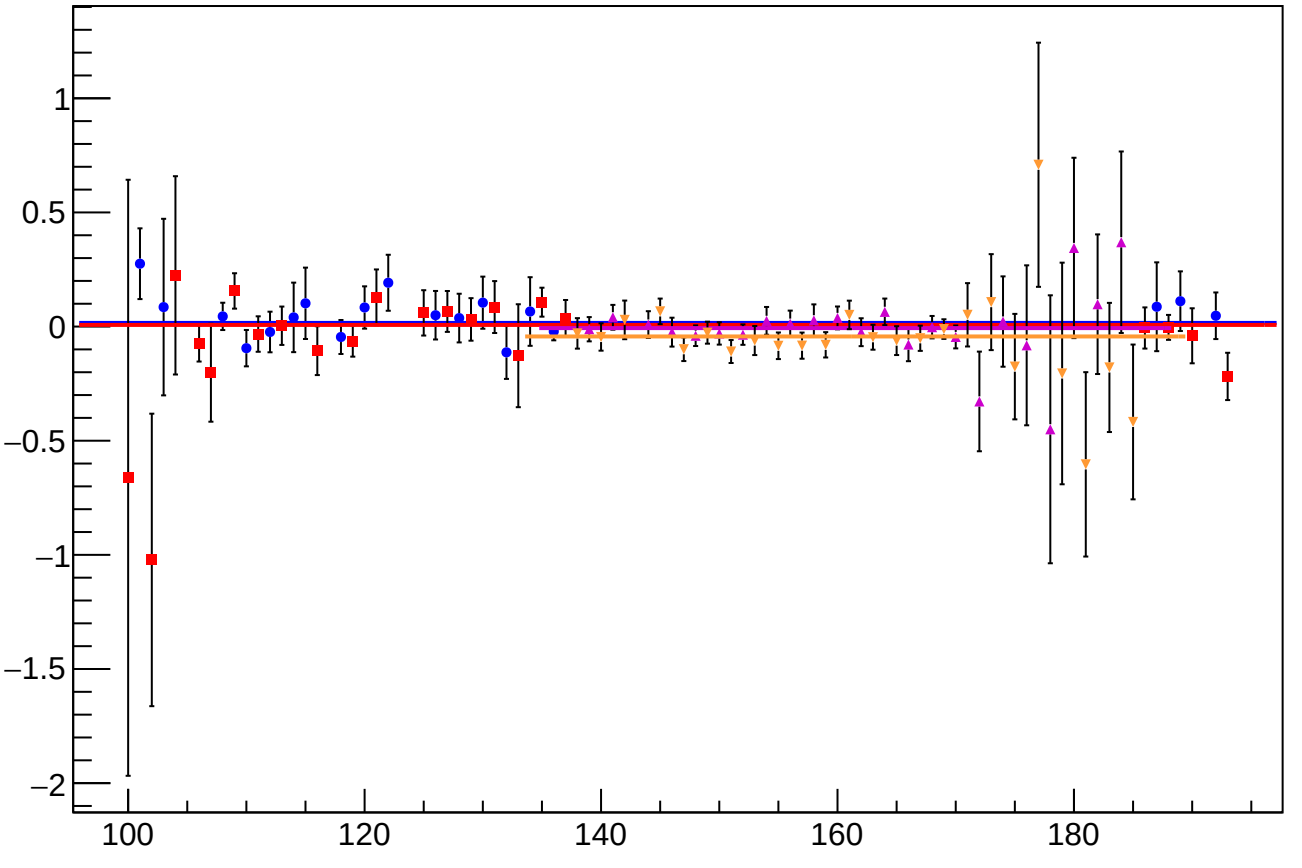
Right Out: 0.000+/-0.000 χ^2/NDF: 3341464.6/21

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: 13775454.8/87

- sign 0.000+/-0.000 χ^2/NDF: 6847573.7/44



Right In: 0.016+/-0.021 χ^2/NDF: 12.5/18

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

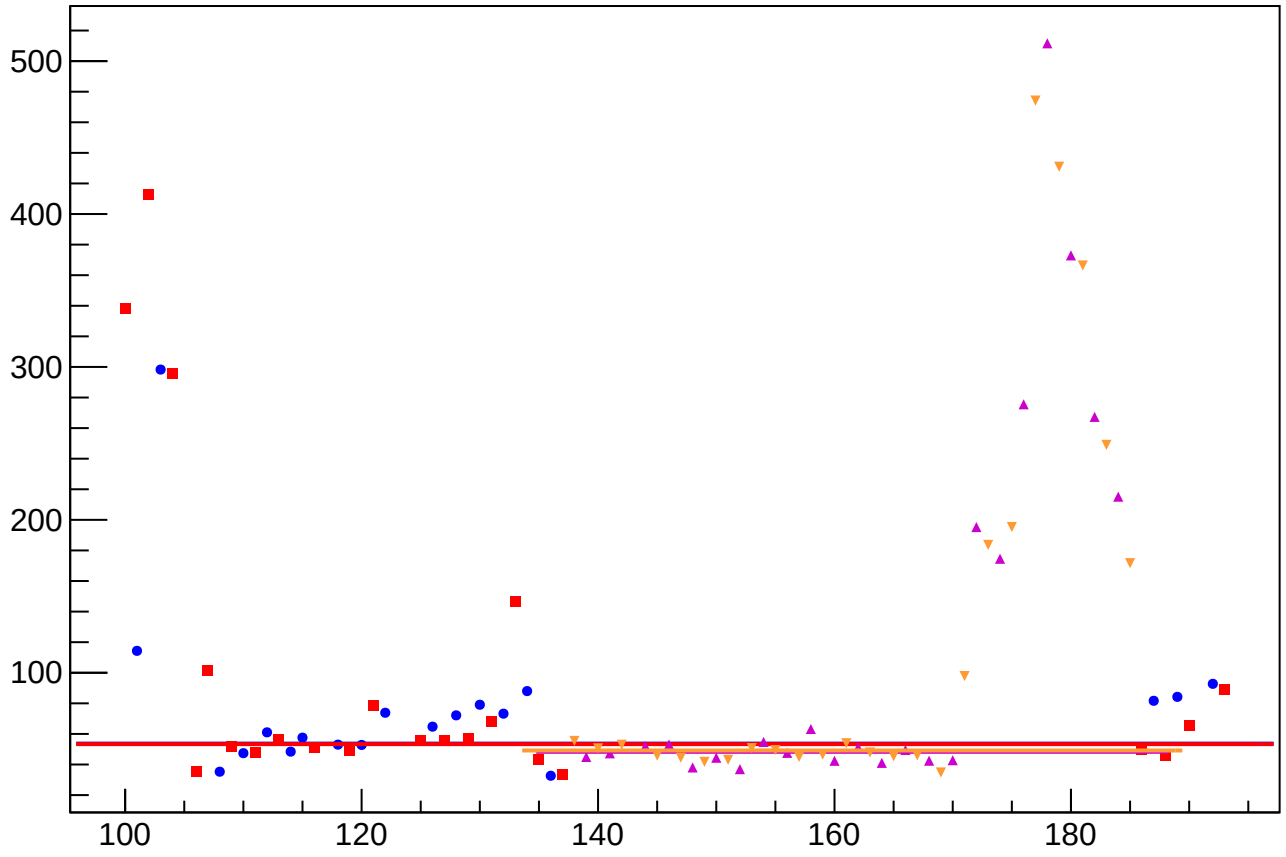
Right Out: 0.007+/-0.020 χ^2/NDF: 21.4/21

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.025+/-0.012 χ^2/NDF: 37.0/42

All: -0.013+/-0.008 χ^2/NDF: 72.0/87

- sign -0.002+/-0.011 χ^2/NDF: 33.0/44



Right In: 53.651+/-0.015 χ^2/NDF: 2748815.6/18

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

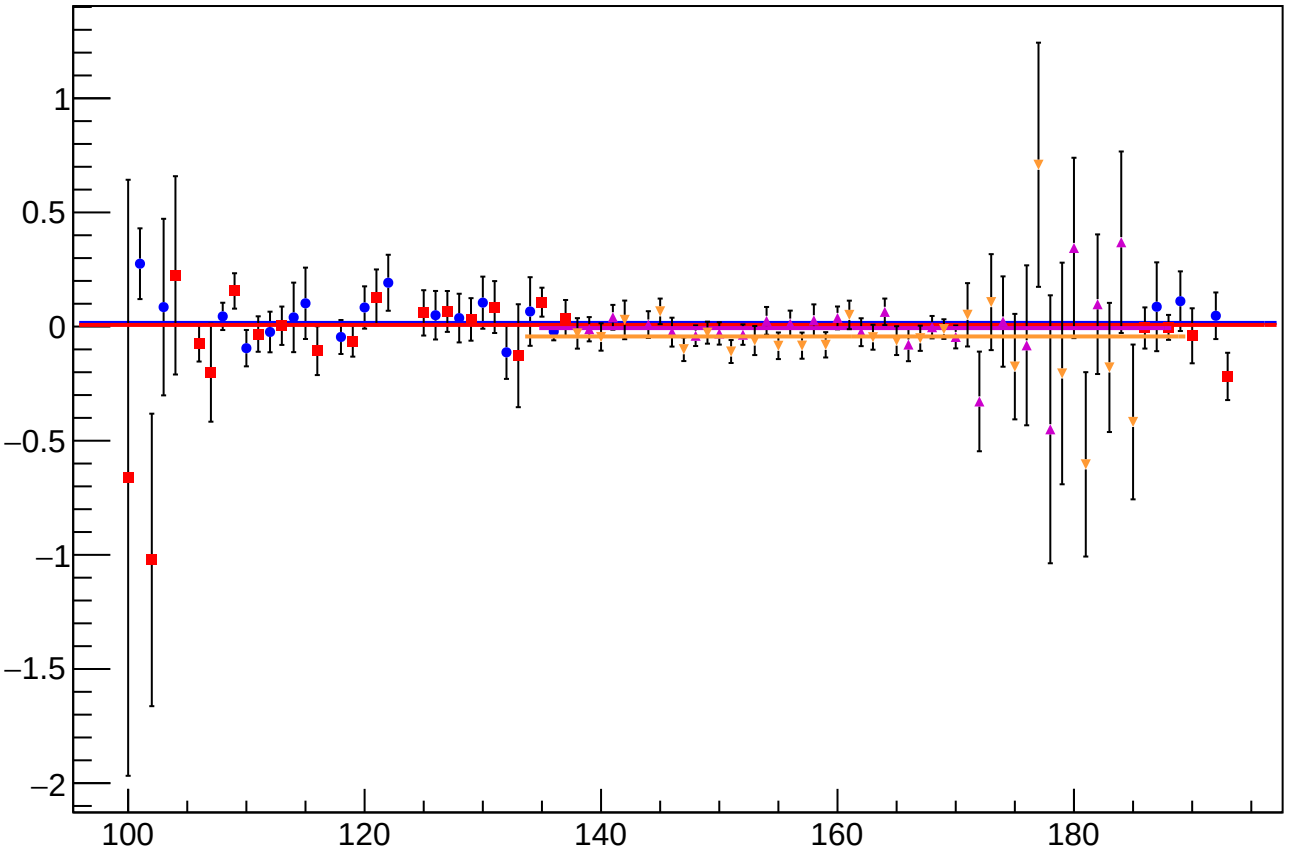
Right Out: 53.327+/-0.014 χ^2/NDF: 2512297.6/21

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 50.545+/-0.008 χ^2/NDF: 10062007.6/42

All: 50.200+/-0.006 χ^2/NDF: 19704678.3/87

\- sign 49.878+/-0.008 χ^2/NDF: 9639257.9/44



Right In: 0.016+/-0.021 χ^2/NDF: 12.5/18

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

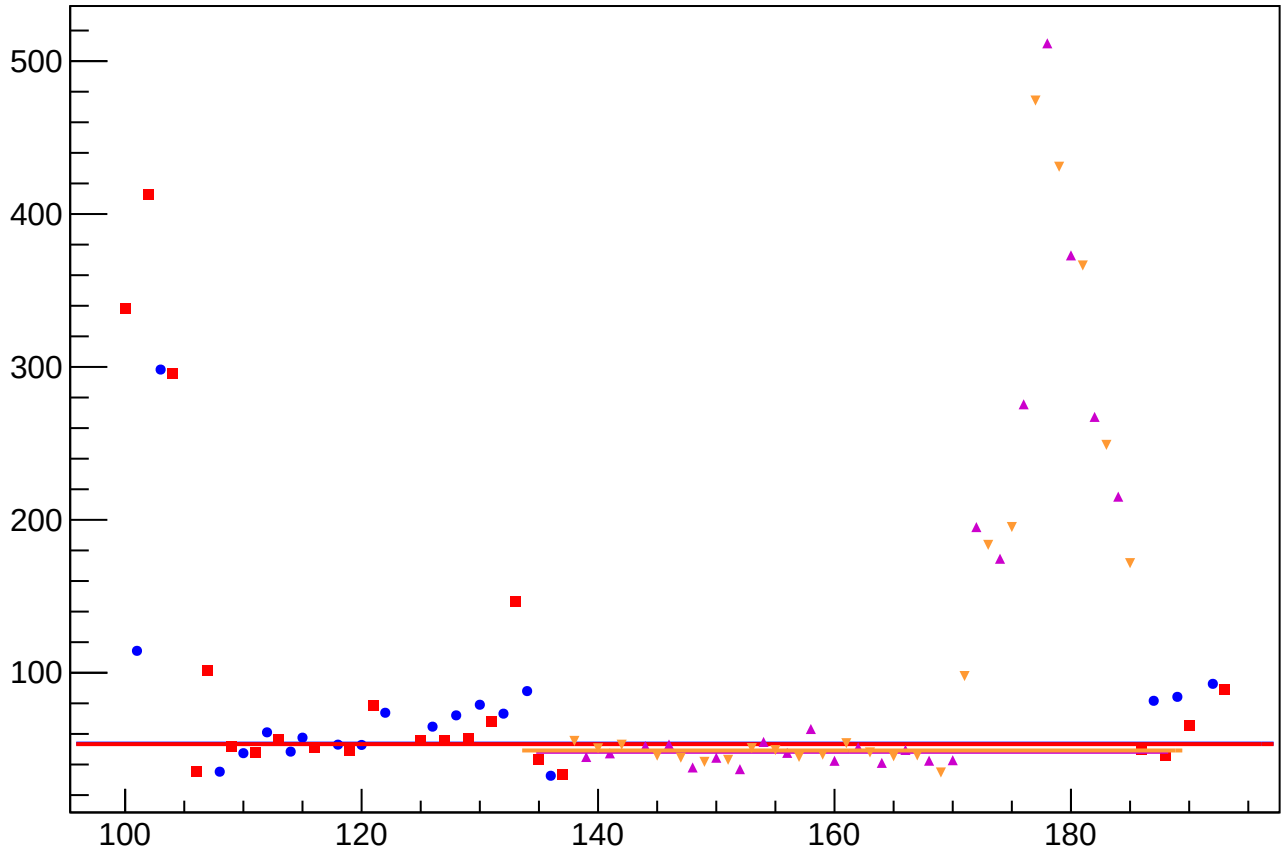
Right Out: 0.007+/-0.020 χ^2/NDF: 21.4/21

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.025+/-0.012 χ^2/NDF: 37.0/42

All: -0.013+/-0.008 χ^2/NDF: 72.0/87

- sign -0.002+/-0.011 χ^2/NDF: 33.0/44



Right In: 53.651+/-0.015 χ^2/NDF: 2748815.6/18

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

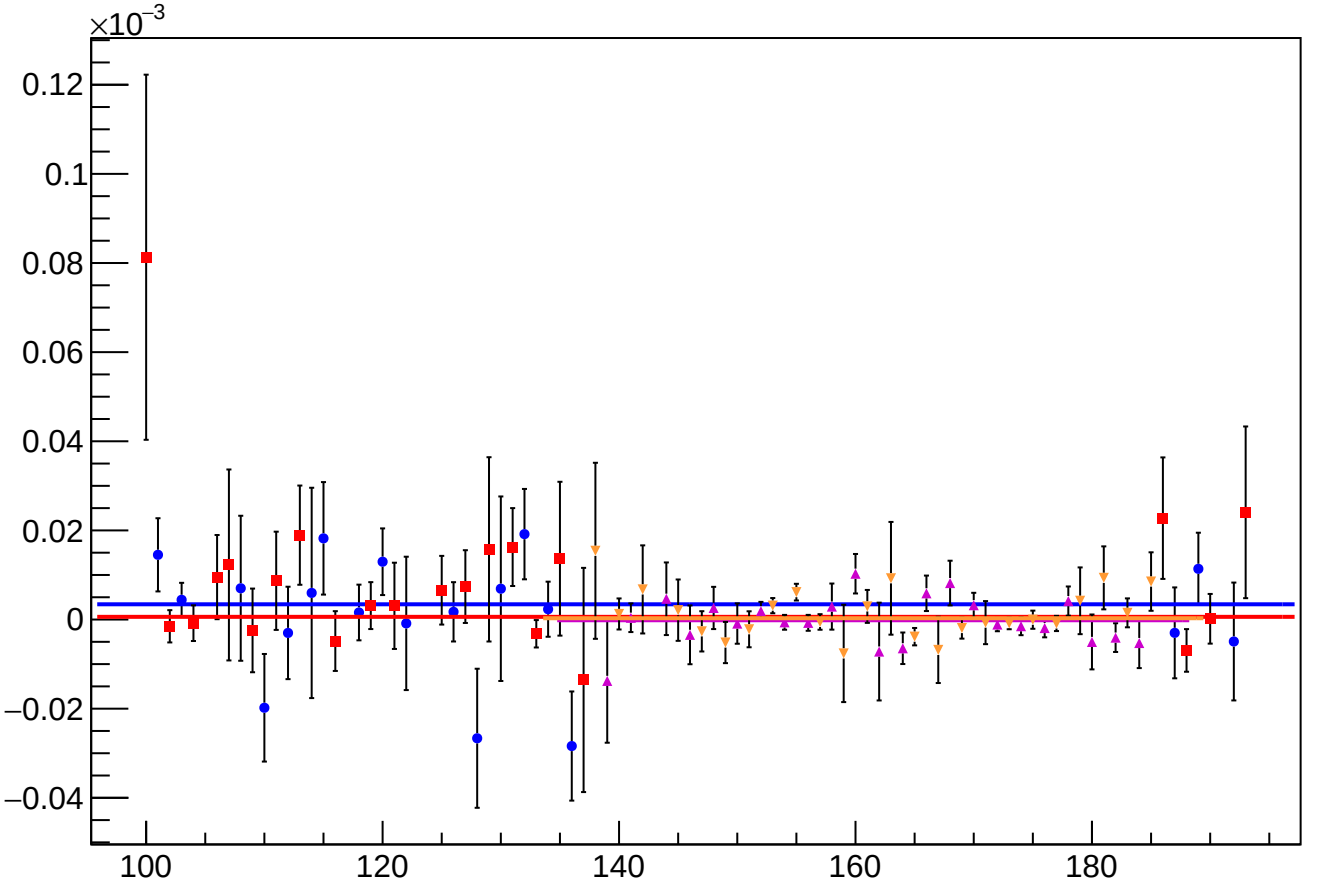
Right Out: 53.327+/-0.014 χ^2/NDF: 2512297.6/21

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 50.545+/-0.008 χ^2/NDF: 10062007.6/42

All: 50.200+/-0.006 χ^2/NDF: 19704678.3/87

\- sign 49.878+/-0.008 χ^2/NDF: 9639257.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

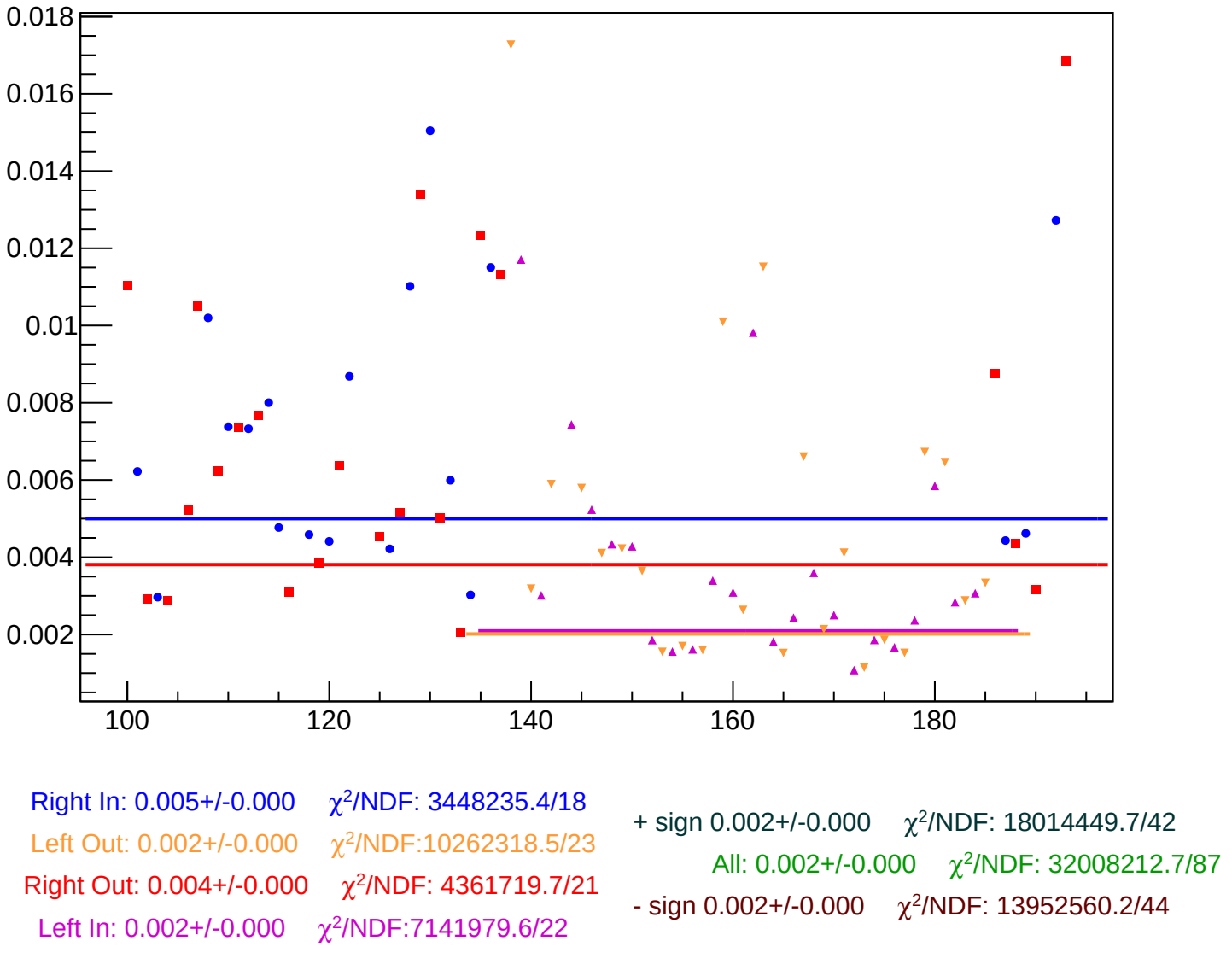
Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/21

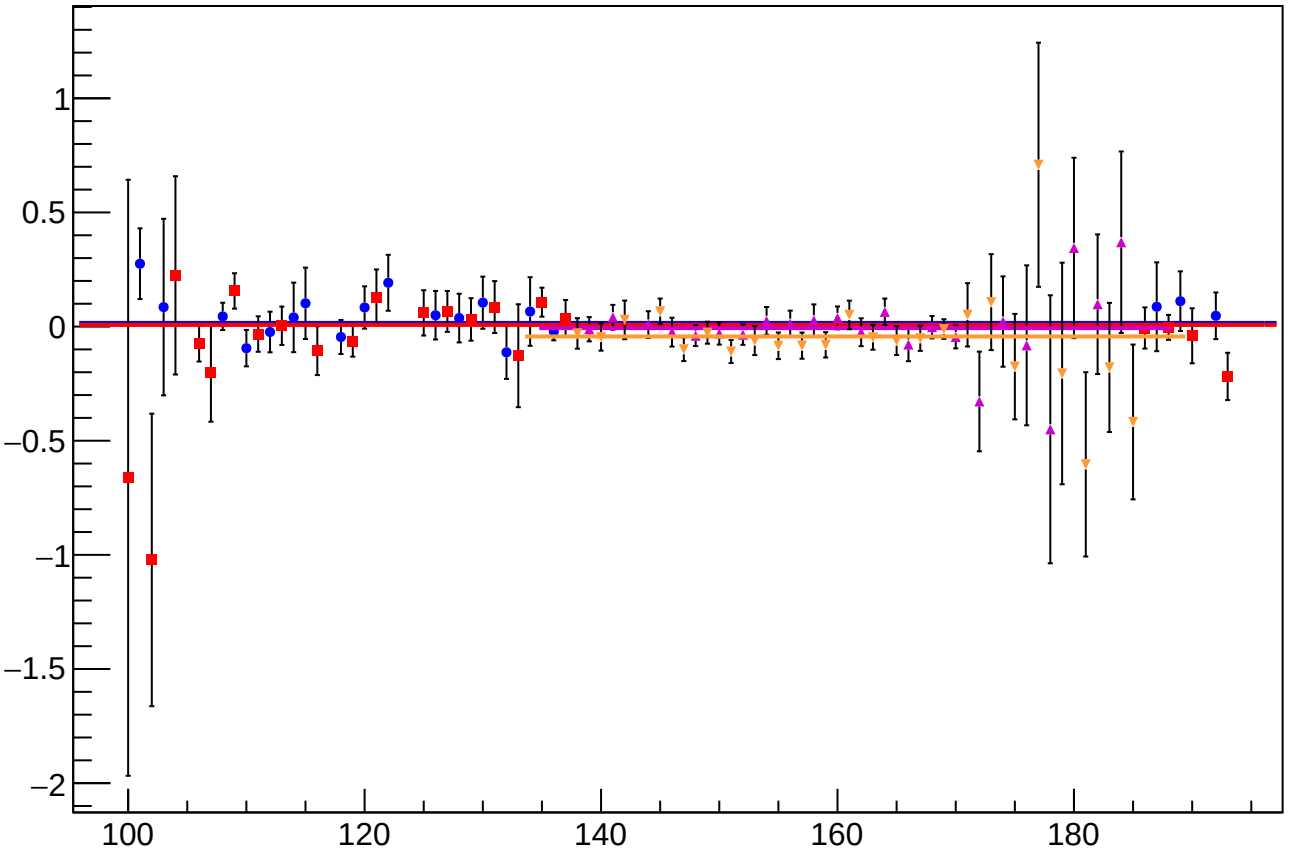
Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.1/42

All: 0.000+/-0.000 χ^2/NDF: 105.1/87

- sign -0.000+/-0.000 χ^2/NDF: 49.4/44


asym_us_dd_atlr_dd_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: 0.005+/-0.000 χ²/NDF: 3448235.4/18
Left Out: 0.002+/-0.000 χ²/NDF:10262318.5/23
Right Out: 0.004+/-0.000 χ²/NDF: 4361719.7/21
Left In: 0.002+/-0.000 χ²/NDF:7141979.6/22
+ sign 0.002+/-0.000 χ²/NDF: 18014449.7/42
All: 0.002+/-0.000 χ²/NDF: 32008212.7/87
- sign 0.002+/-0.000 χ²/NDF: 13952560.2/44



Right In: 0.016+/-0.021 χ^2/NDF: 12.5/18

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

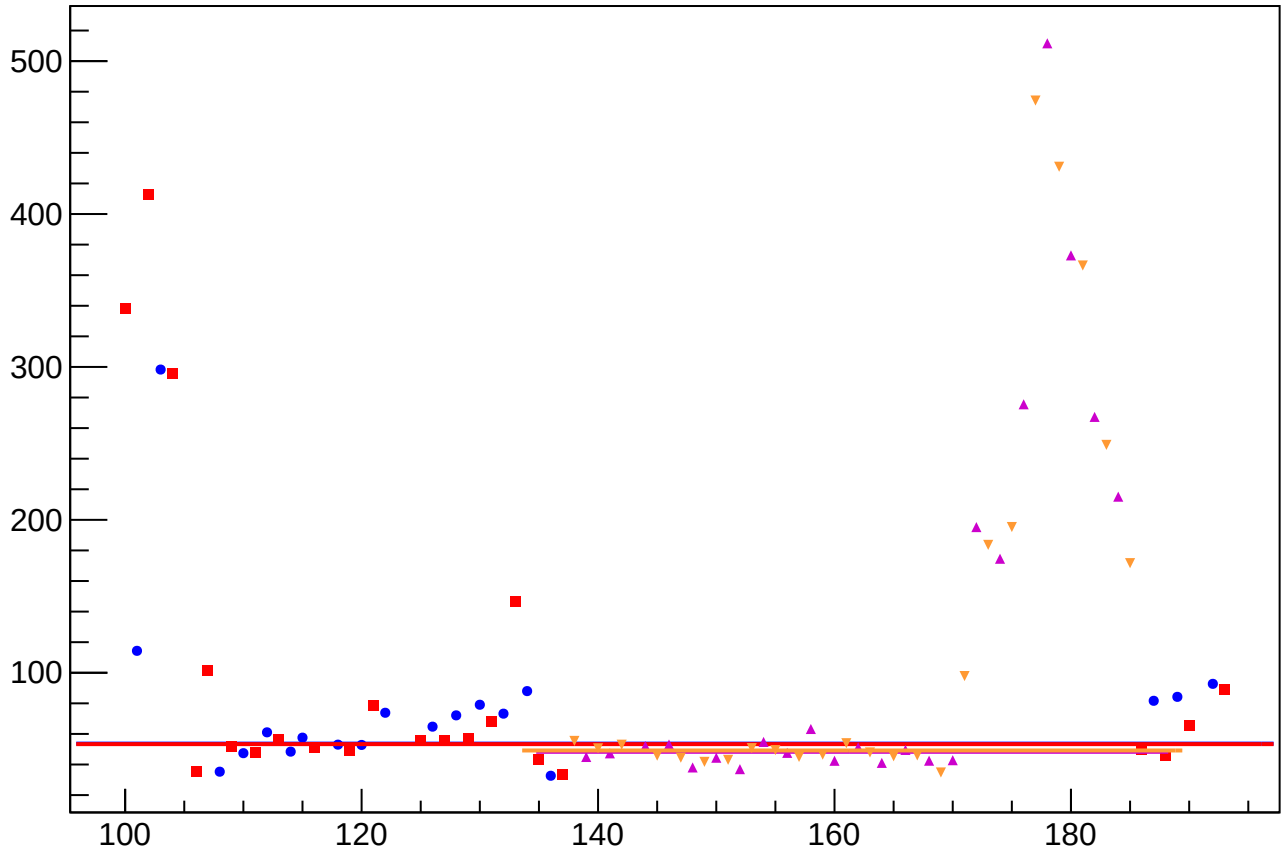
Right Out: 0.007+/-0.020 χ^2/NDF: 21.4/21

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.025+/-0.012 χ^2/NDF: 37.0/42

All: -0.013+/-0.008 χ^2/NDF: 72.0/87

- sign -0.002+/-0.011 χ^2/NDF: 33.0/44



Right In: 53.652+/-0.015 χ^2/NDF: 2748666.0/18

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

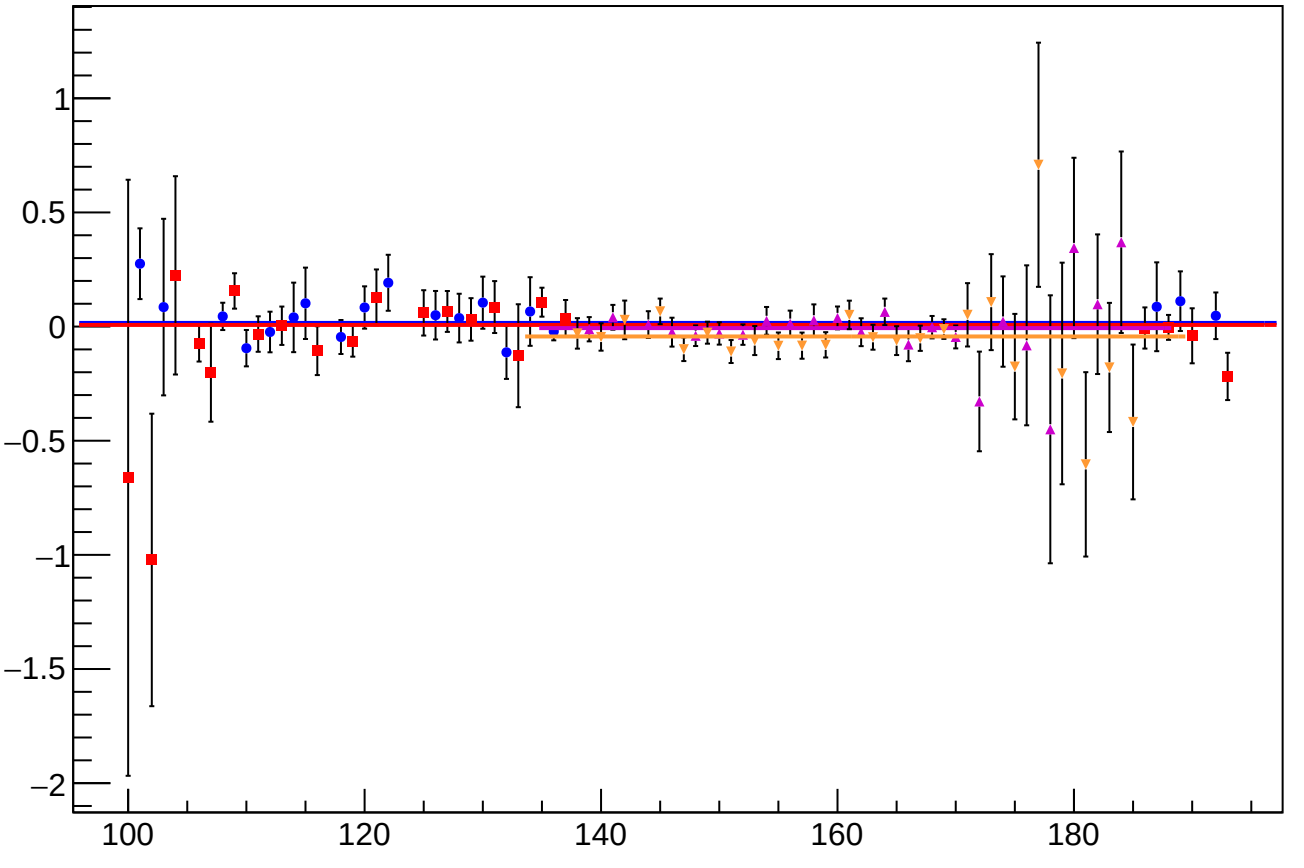
Right Out: 53.328+/-0.014 χ^2/NDF: 2512117.5/21

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 50.544+/-0.008 χ^2/NDF: 10061889.5/42

All: 50.200+/-0.006 χ^2/NDF: 19704308.6/87

\- sign 49.879+/-0.008 χ^2/NDF: 9639011.5/44



Right In: 0.016+/-0.021 χ^2/NDF: 12.5/18

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

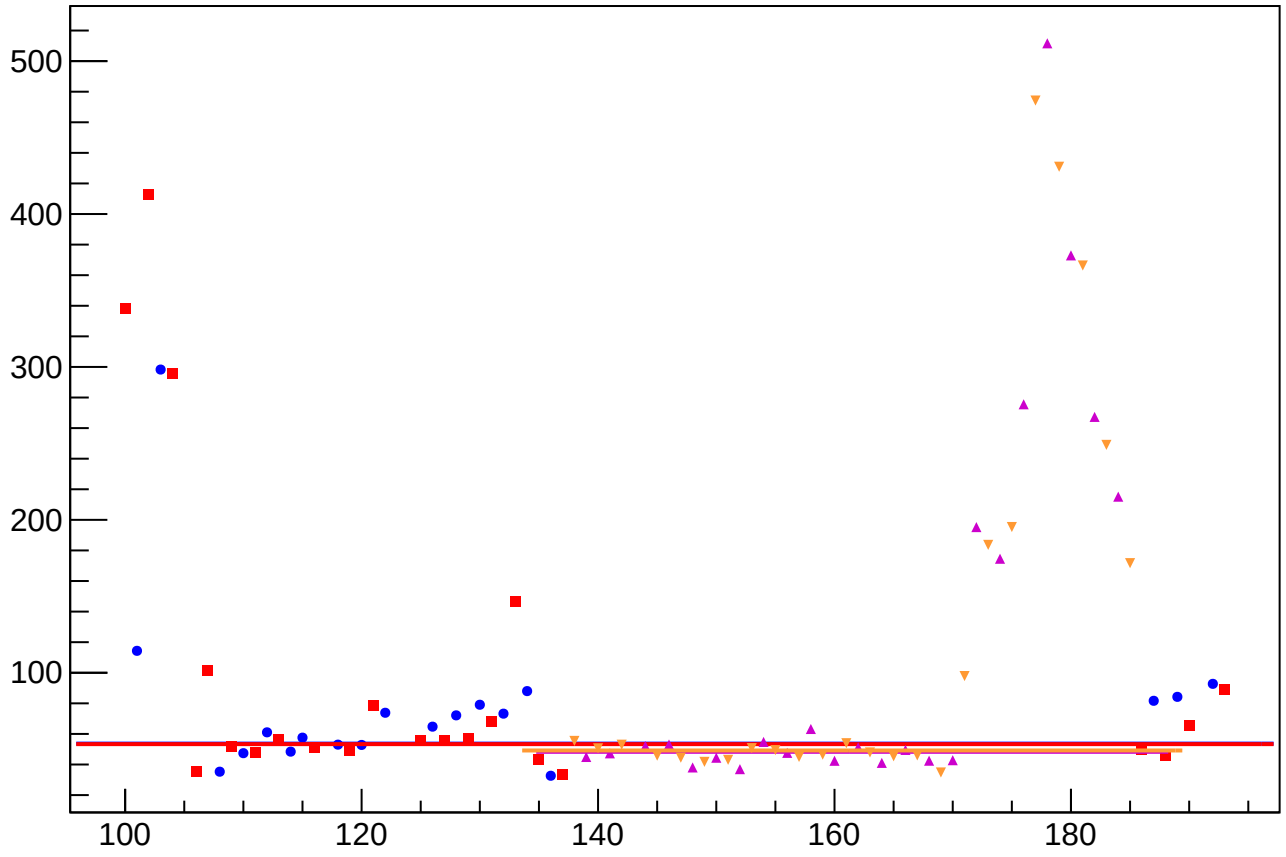
Right Out: 0.007+/-0.020 χ^2/NDF: 21.4/21

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.025+/-0.012 χ^2/NDF: 37.0/42

All: -0.013+/-0.008 χ^2/NDF: 72.0/87

- sign -0.002+/-0.011 χ^2/NDF: 33.0/44



Right In: 53.652+/-0.015 χ^2/NDF: 2748666.0/18

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

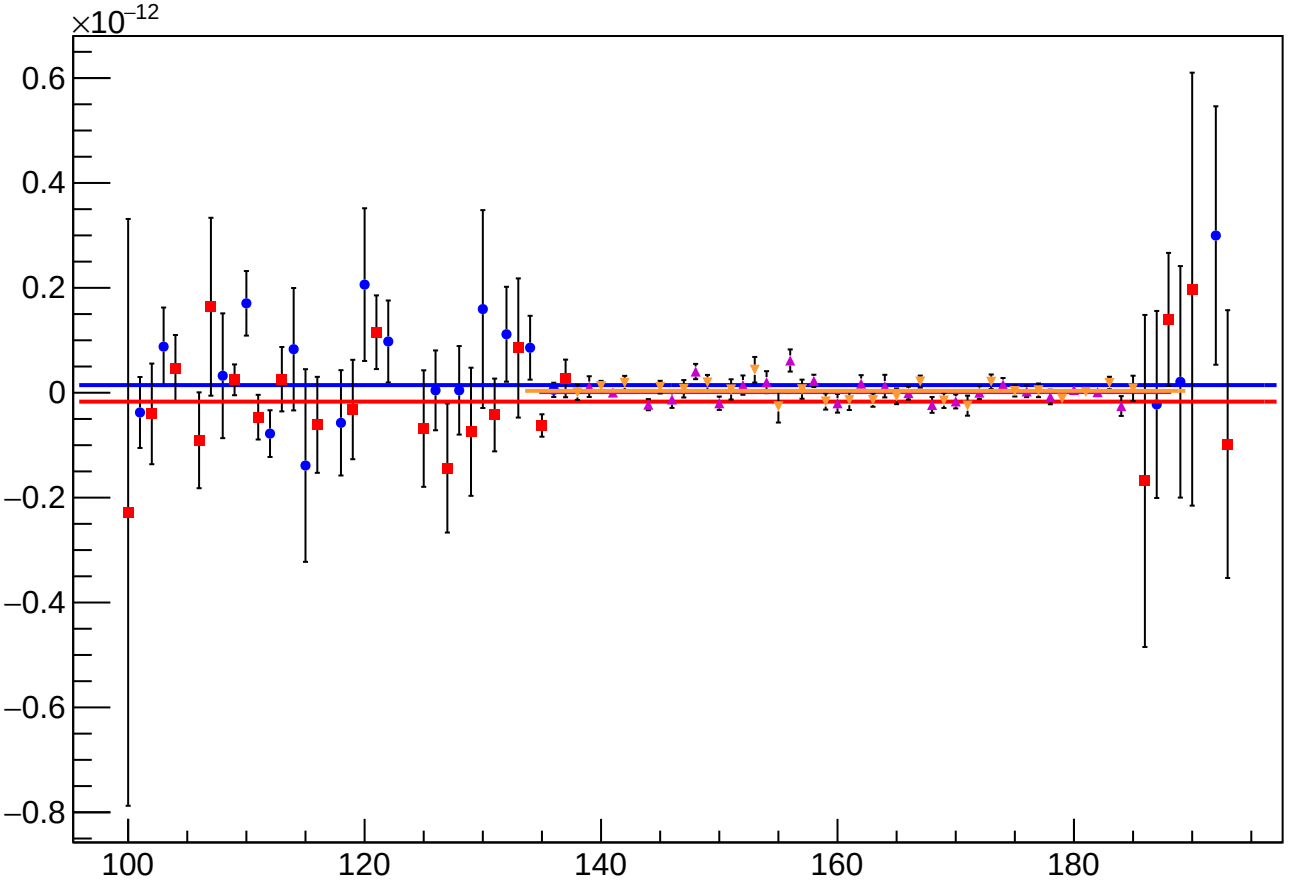
Right Out: 53.328+/-0.014 χ^2/NDF: 2512117.5/21

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 50.544+/-0.008 χ^2/NDF: 10061889.5/42

All: 50.200+/-0.006 χ^2/NDF: 19704308.6/87

\- sign 49.879+/-0.008 χ^2/NDF: 9639011.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

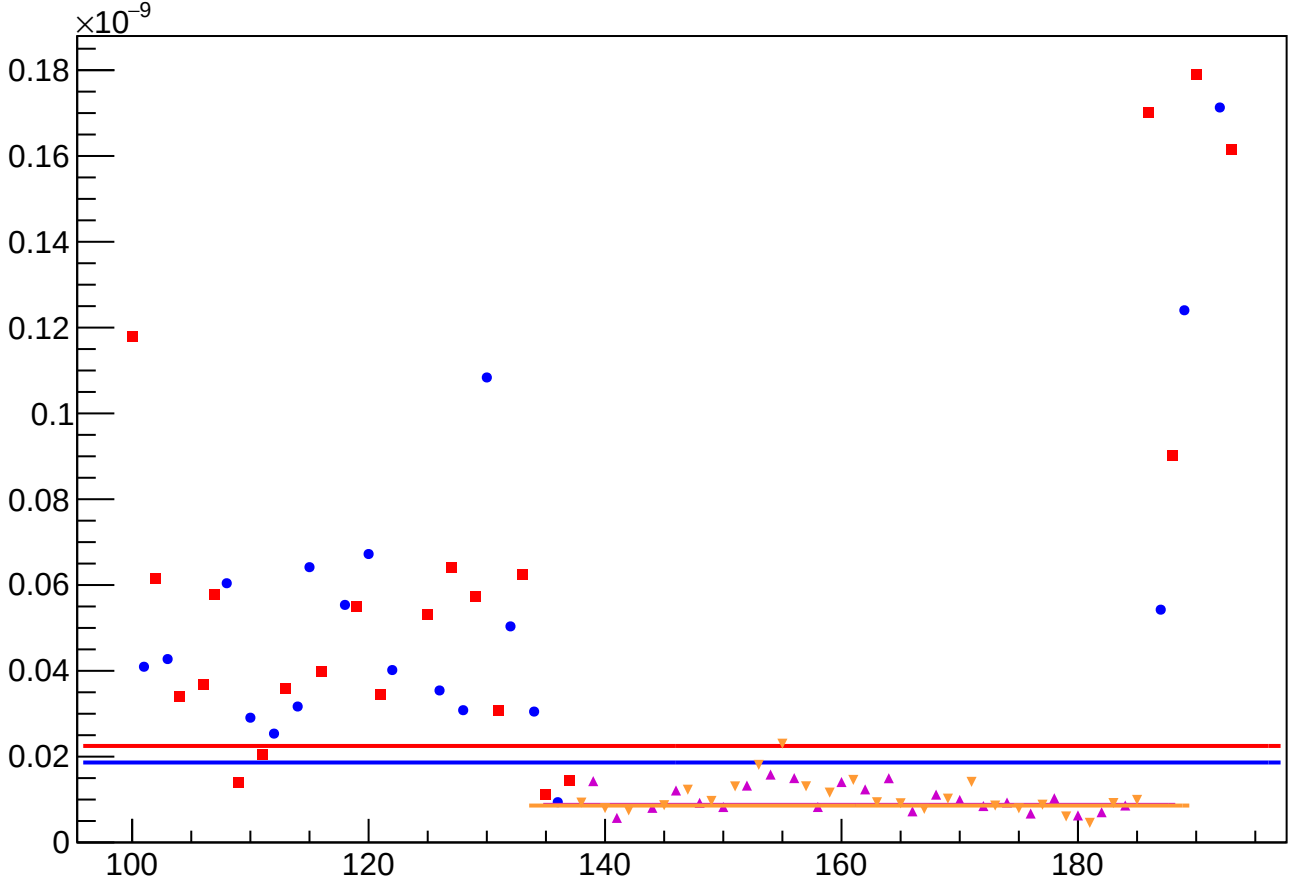
Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/21

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: 110.5/87

- sign 0.000+/-0.000 χ^2/NDF: 62.2/44



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: 4529245.5/21

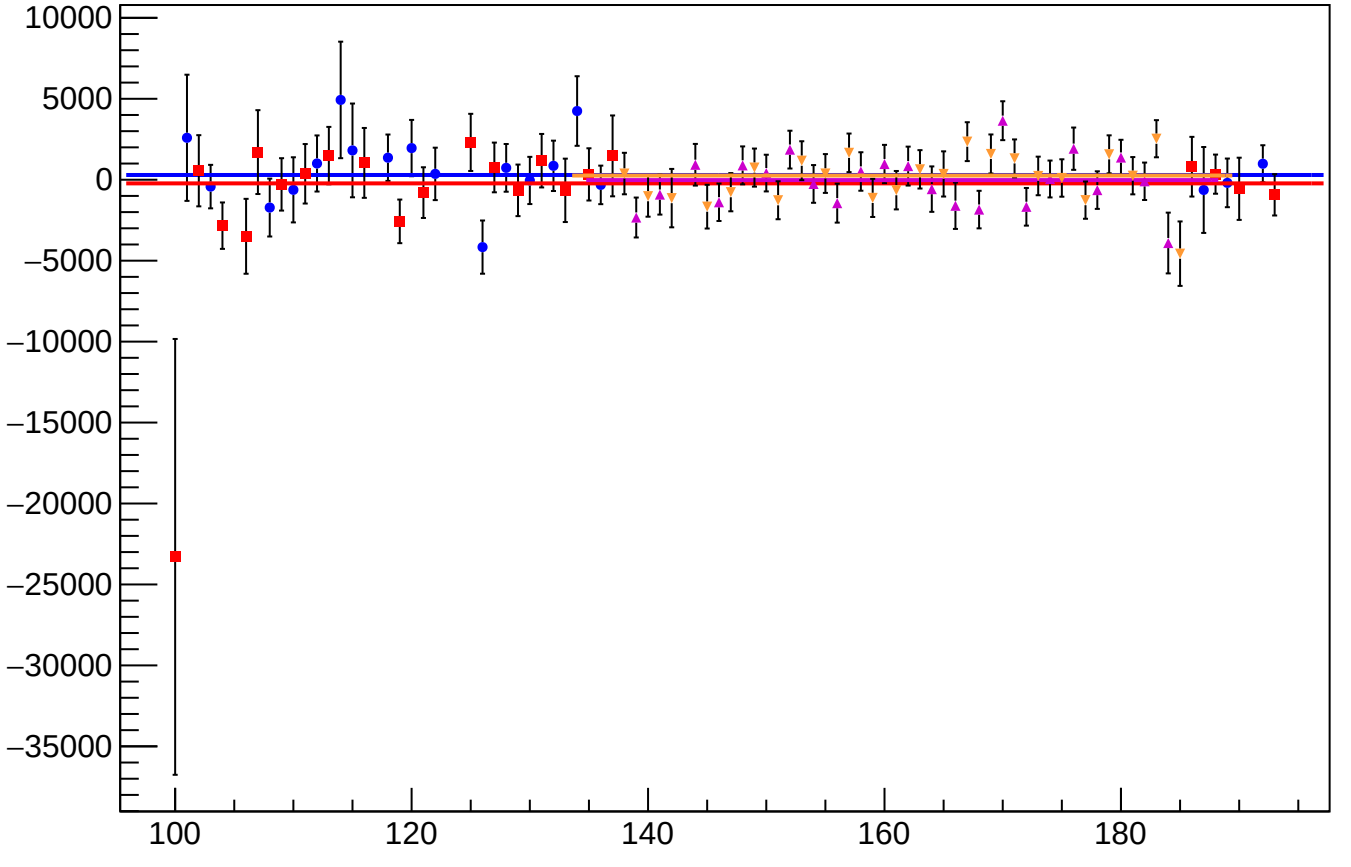
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8711367.1/42

All: 0.000+/-0.000 χ^2/NDF: 17529709.7/87

- sign 0.000+/-0.000 χ^2/NDF: 8809402.1/44

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: -225.349+/-368.133 χ^2/NDF: 18.3/21

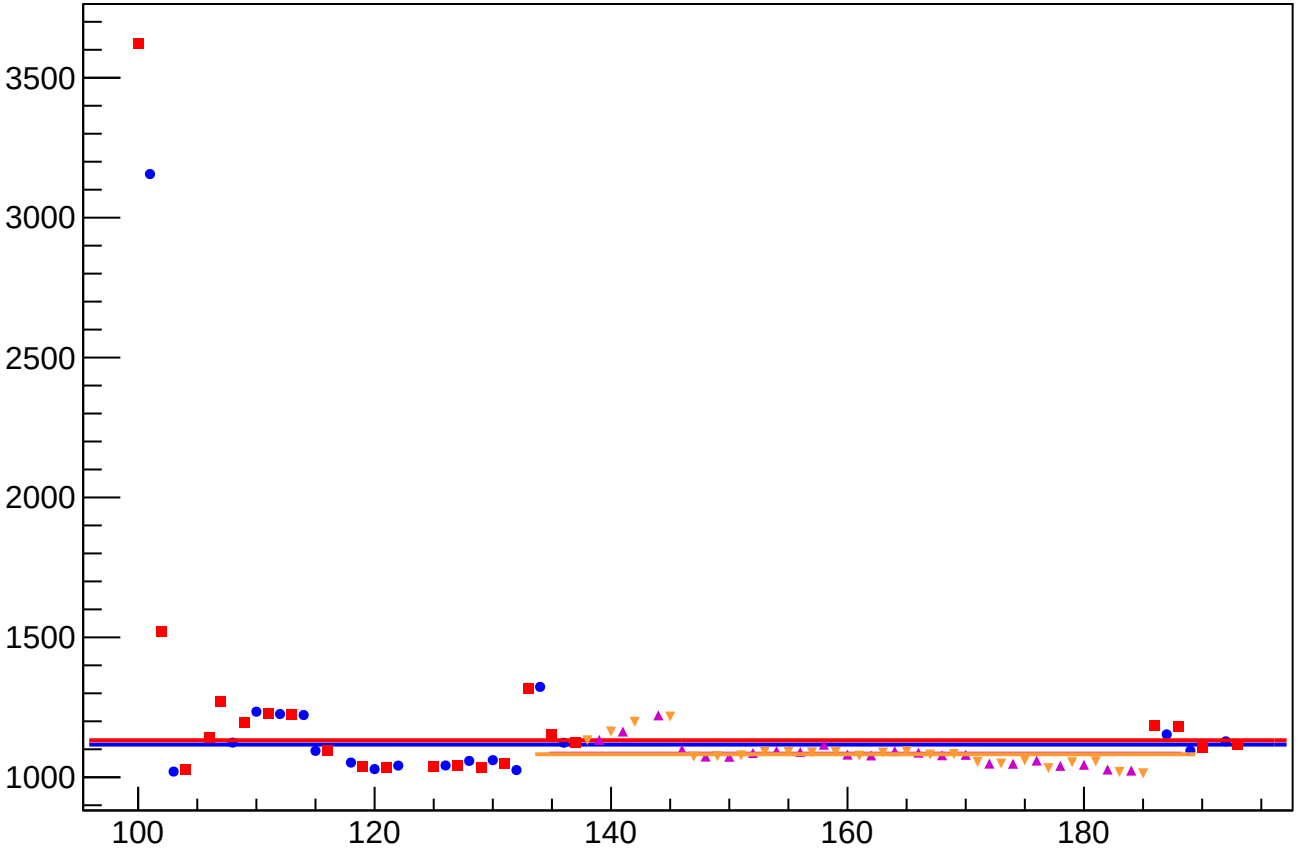
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 270.613+/-209.817 χ^2/NDF: 45.8/42

All: 90.544+/-147.964 χ^2/NDF: 101.5/87

- sign -87.600+/-208.692 χ^2/NDF: 54.2/44

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

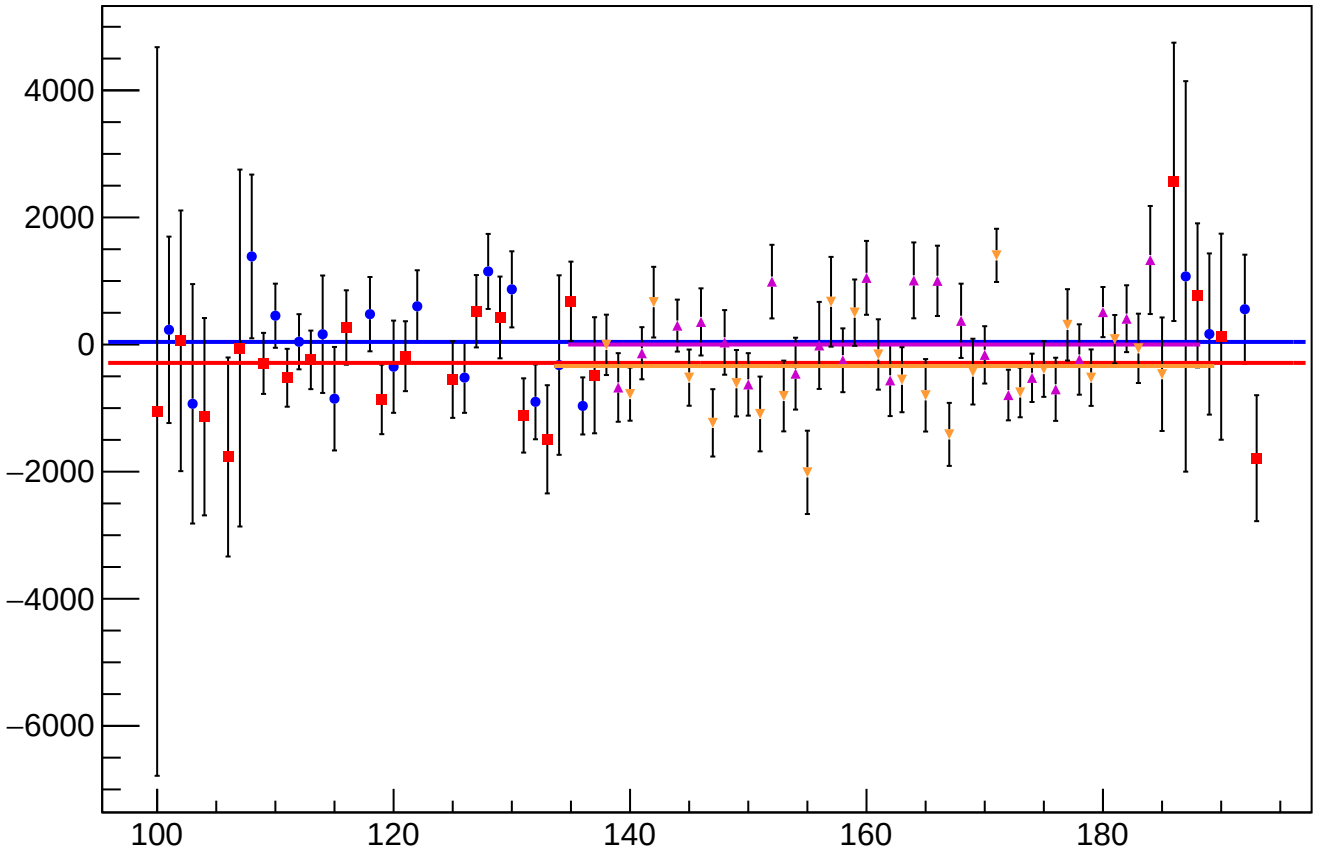
Right Out: 1132.220+/-0.260 χ^2/NDF: 228318.1/21

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1092.785+/-0.148 χ^2/NDF: 693729.4/42

All: 1096.215+/-0.105 χ^2/NDF: 999676.3/87

- sign 1099.609+/-0.148 χ^2/NDF: 304883.3/44



Right In: 41.489+/-157.036 χ^2/NDF: 19.7/18

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

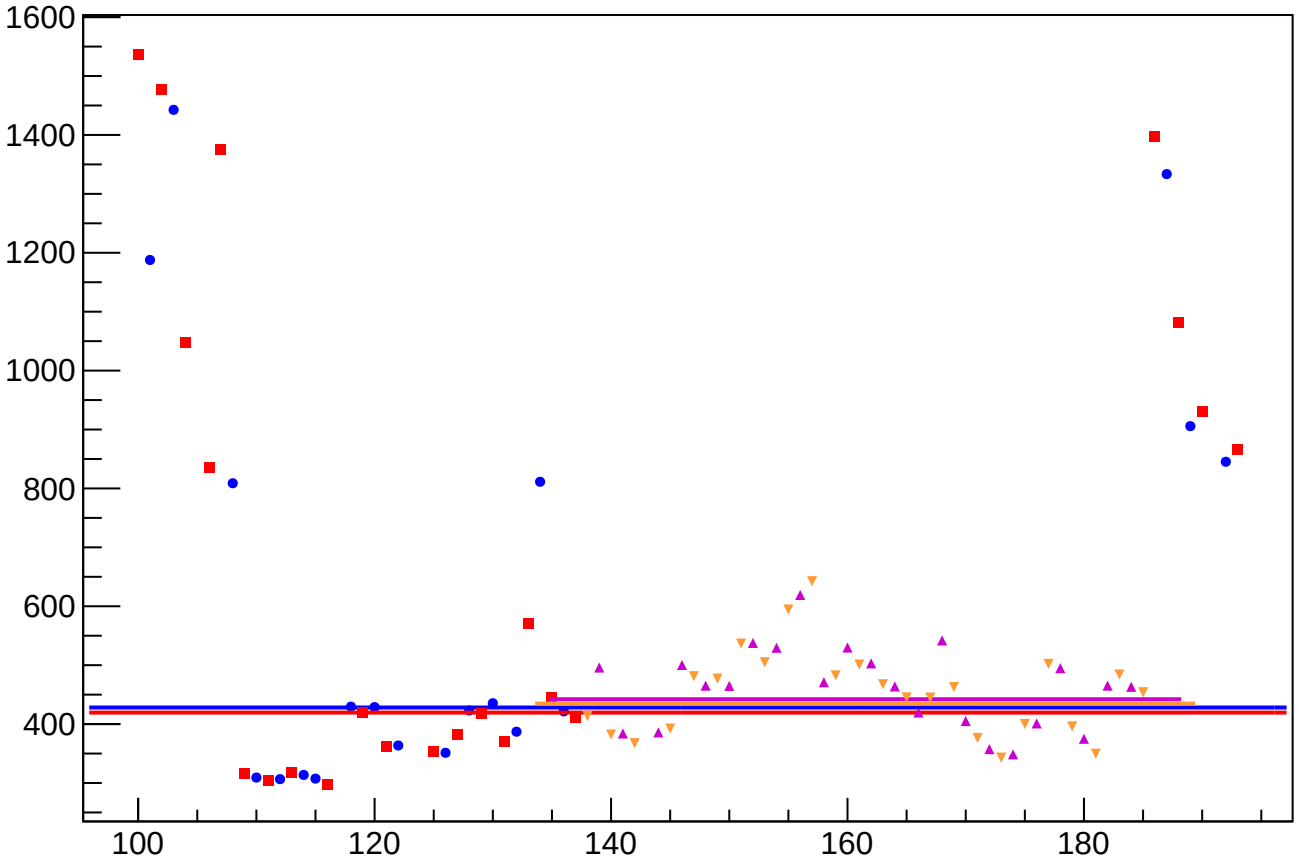
Right Out: -288.682+/-151.833 χ^2/NDF: 18.4/21

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

\+ sign -224.276+/-85.893 χ^2/NDF: 72.6/42

All: -158.733+/-60.848 χ^2/NDF: 126.5/87

\- sign -92.703+/-86.212 χ^2/NDF: 52.7/44



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: 419.547+/-0.107 χ^2/NDF: 3537833.9/21

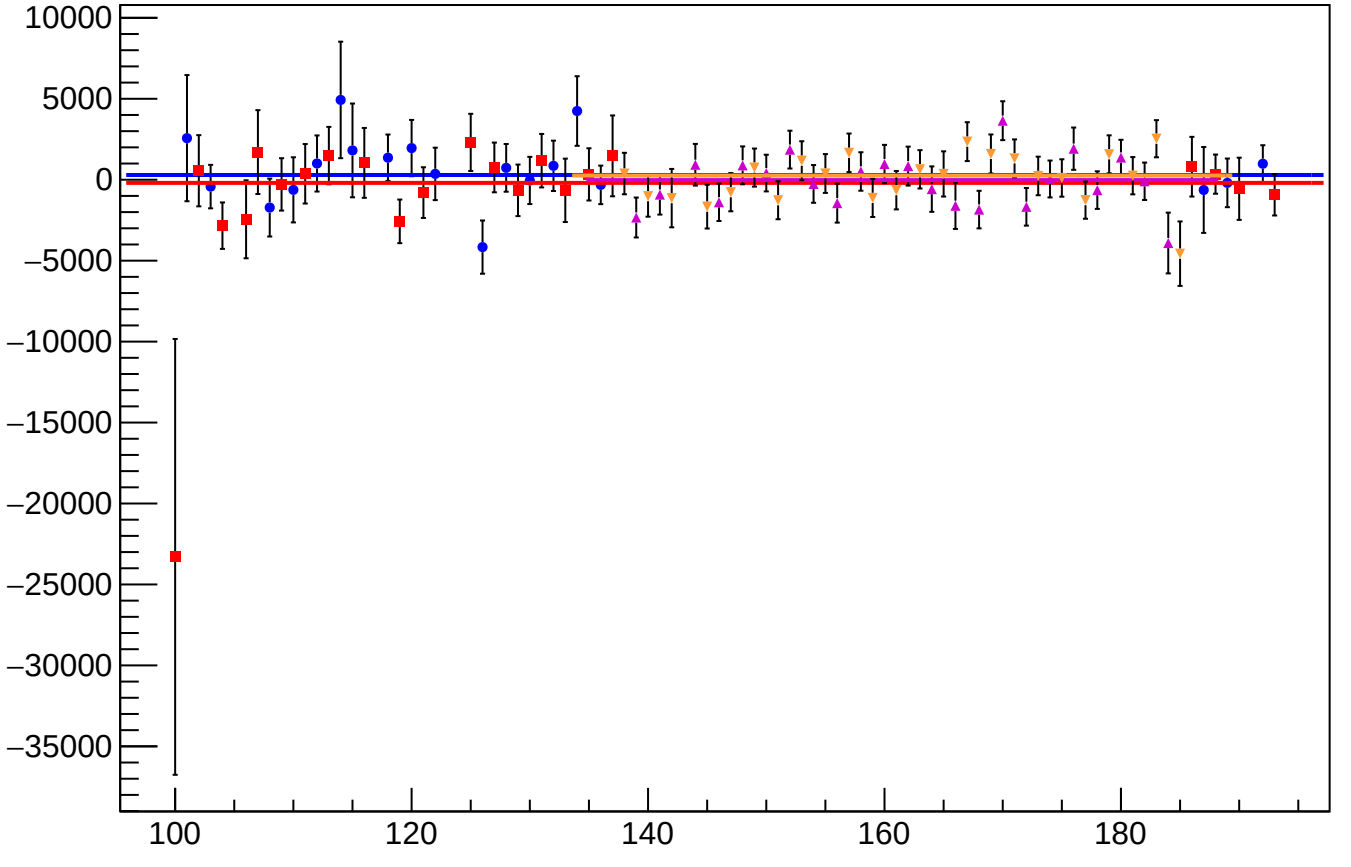
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 432.847+/-0.061 χ^2/NDF: 3667274.0/42

All: 433.871+/-0.043 χ^2/NDF: 8061838.7/87

- sign 434.902+/-0.061 χ^2/NDF: 4393994.3/44

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: -194.351+/-368.493 χ^2/NDF: 17.1/21

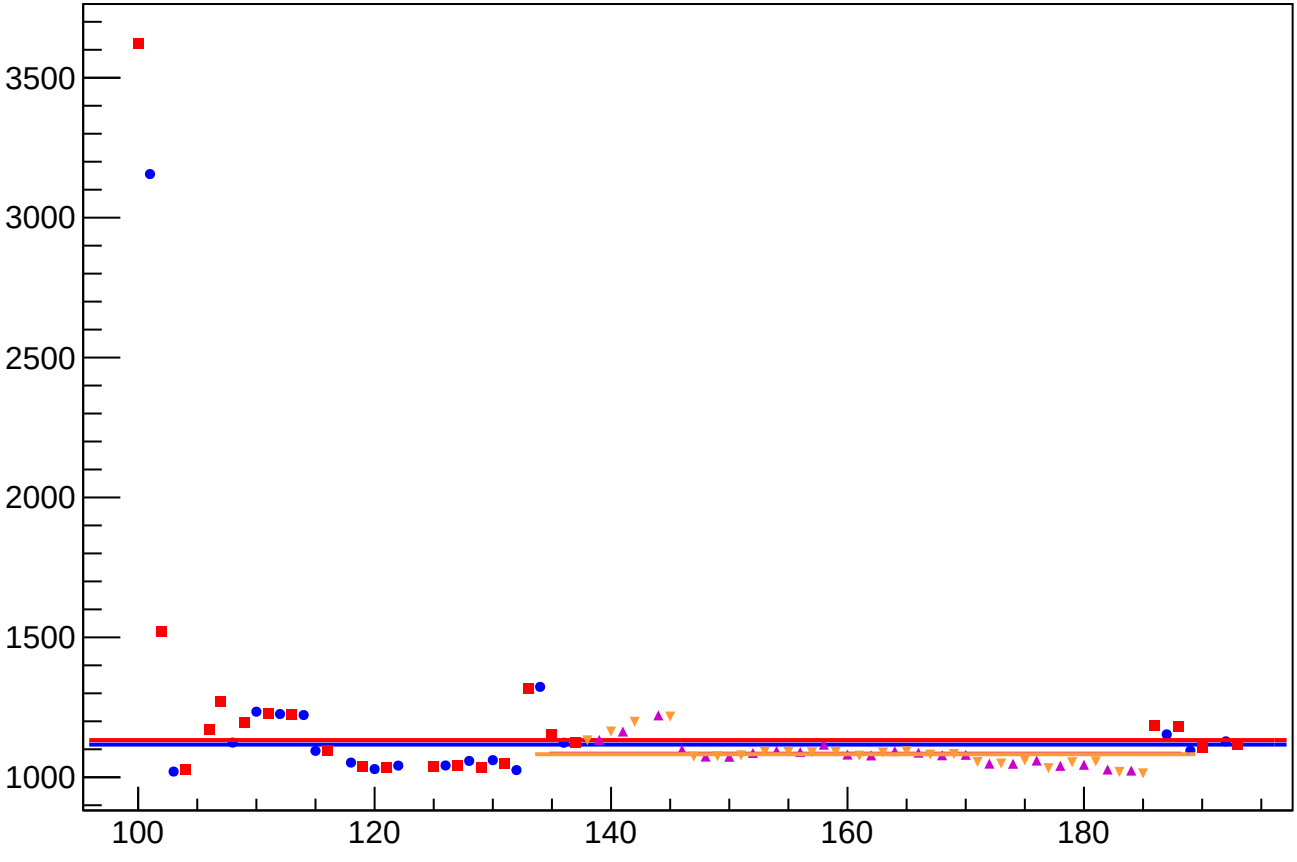
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 270.519+/-209.817 χ^2/NDF: 45.8/42

All: 95.598+/-147.987 χ^2/NDF: 100.2/87

- sign -77.561+/-208.758 χ^2/NDF: 53.0/44

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: 1132.938+/-0.261 χ^2/NDF: 228824.4/21

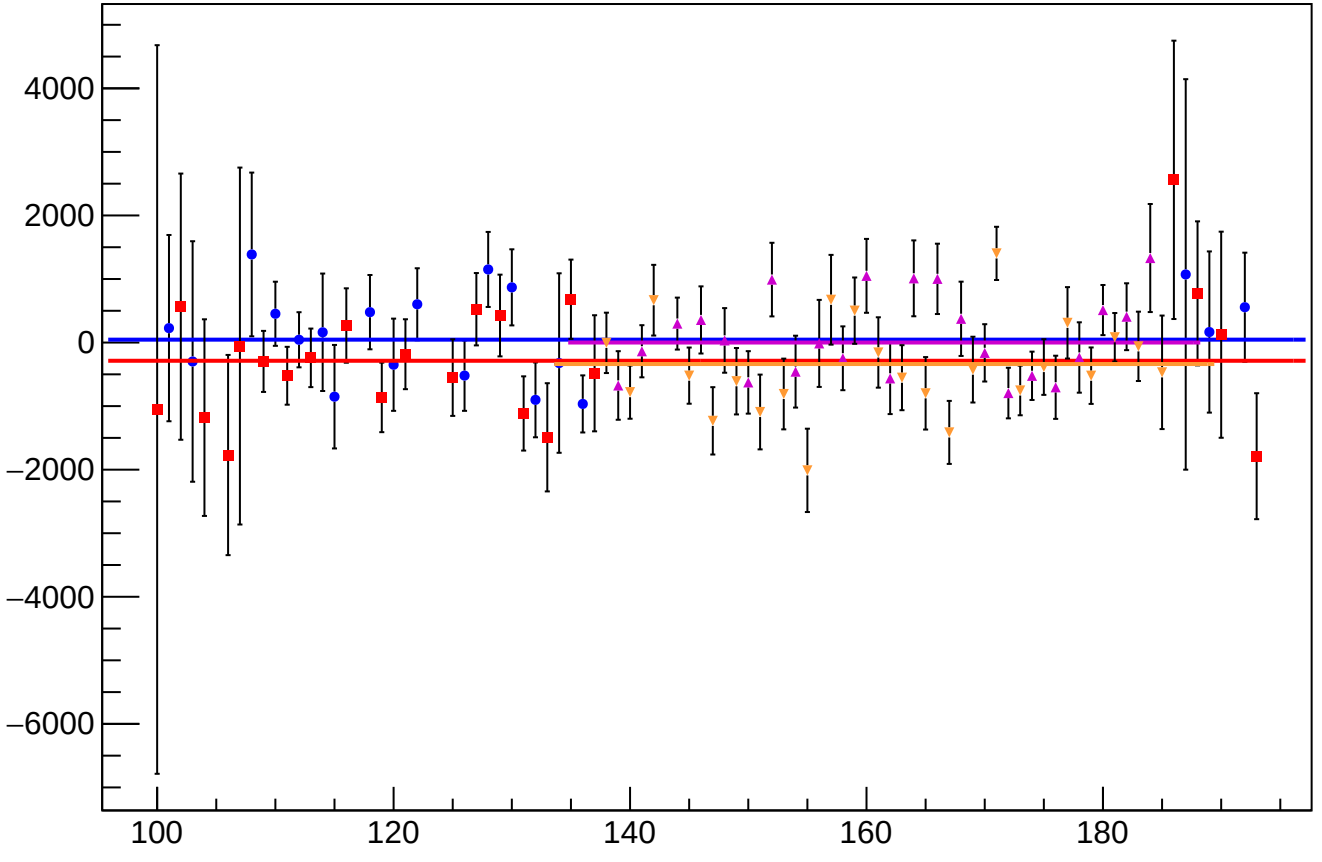
Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1092.785+/-0.148 χ^2/NDF: 693730.3/42

All: 1096.320+/-0.105 χ^2/NDF: 1000914.2/87

- sign 1099.819+/-0.148 χ^2/NDF: 306054.2/44

asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug



Right In: 45.721+/-157.037 χ^2/NDF: 19.5/18

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

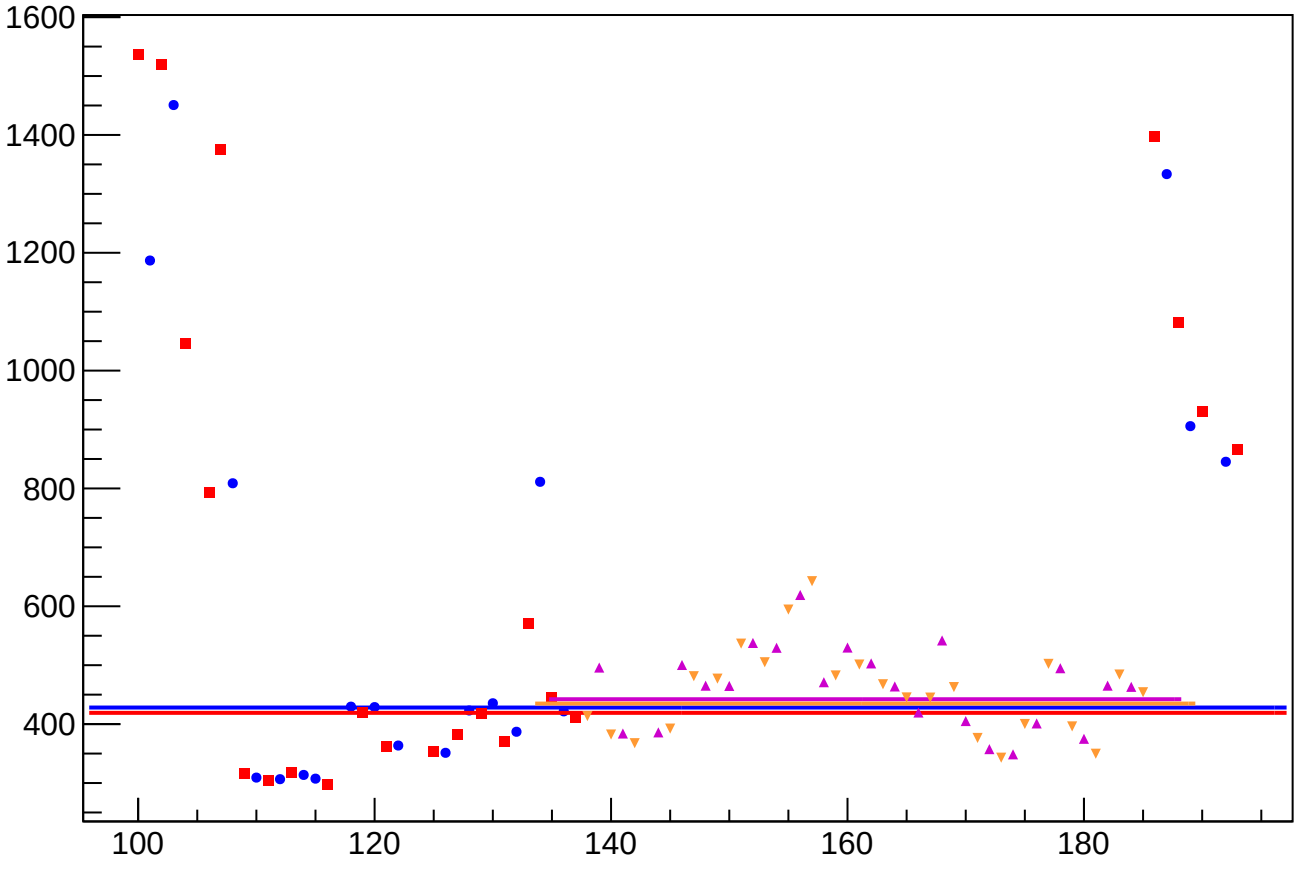
Right Out: -286.482+/-151.854 χ^2/NDF: 18.6/21

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

\+ sign -223.074+/-85.893 χ^2/NDF: 72.4/42

All: -157.764+/-60.849 χ^2/NDF: 126.4/87

\- sign -91.962+/-86.216 χ^2/NDF: 52.9/44



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: 419.118+/-0.107 χ^2/NDF: 3528397.7/21

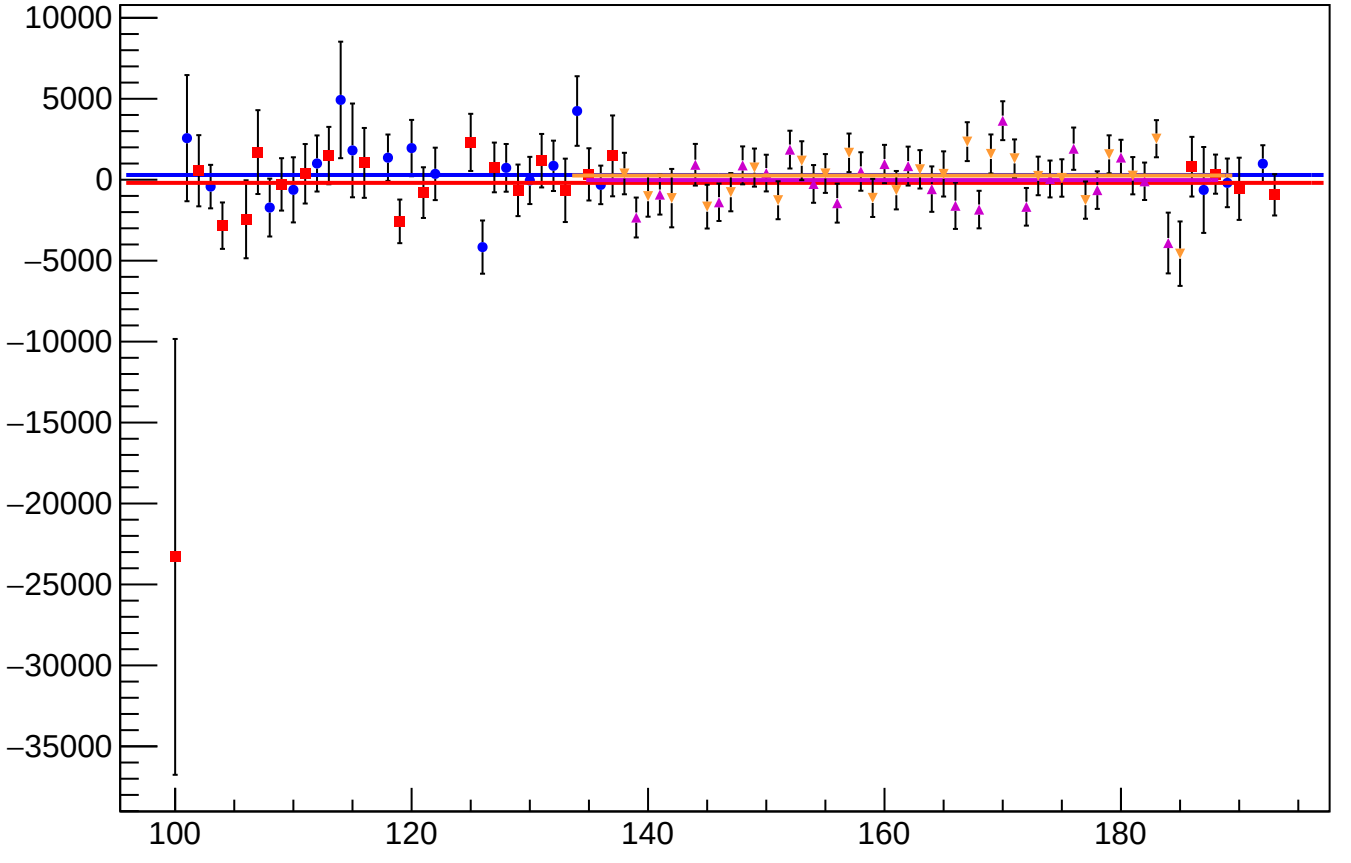
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 432.842+/-0.061 χ^2/NDF: 3671098.9/42

All: 433.801+/-0.043 χ^2/NDF: 8057181.4/87

- sign 434.766+/-0.061 χ^2/NDF: 4385582.7/44

eigen_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: -194.351+/-368.493 χ^2/NDF: 17.1/21

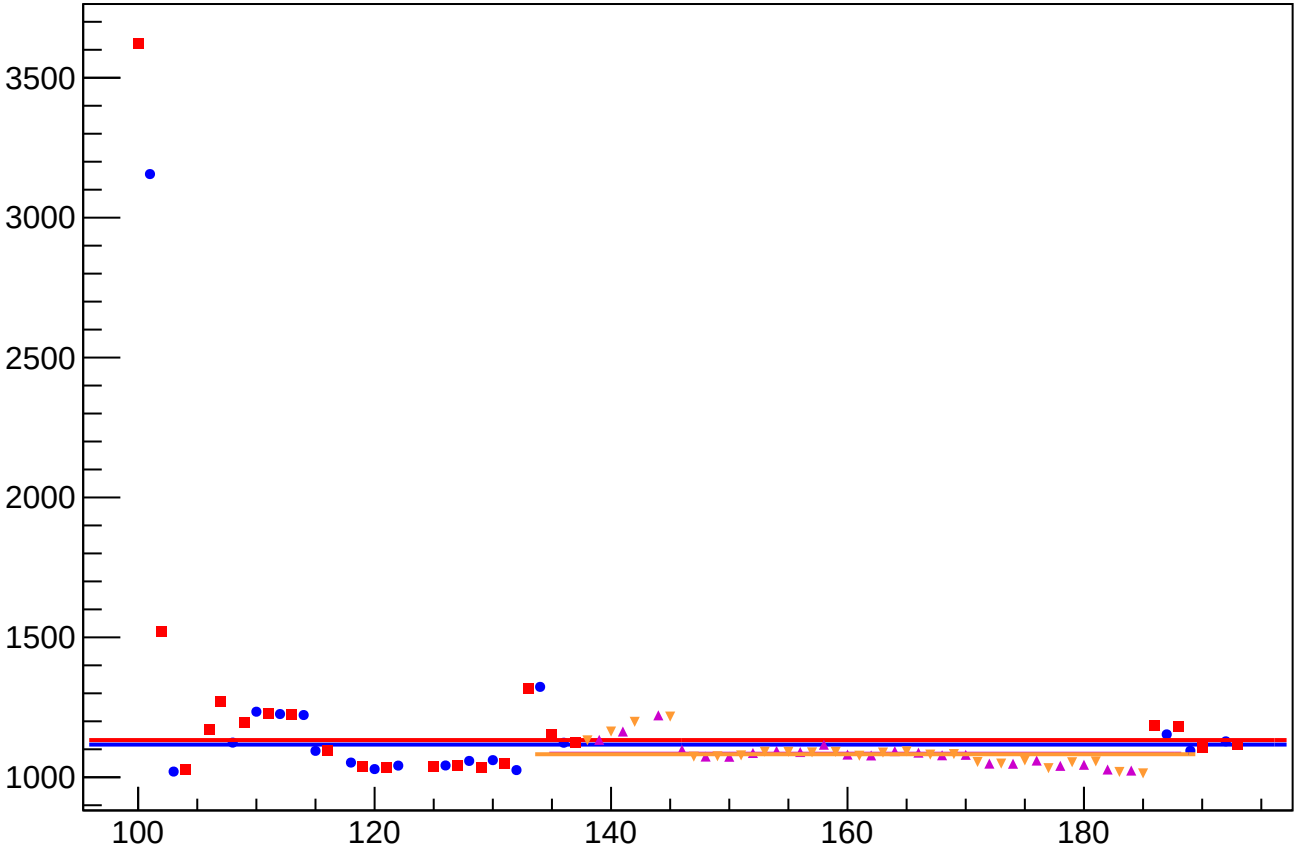
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 270.519+/-209.817 χ^2/NDF: 45.8/42

All: 95.598+/-147.987 χ^2/NDF: 100.2/87

- sign -77.561+/-208.758 χ^2/NDF: 53.0/44

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

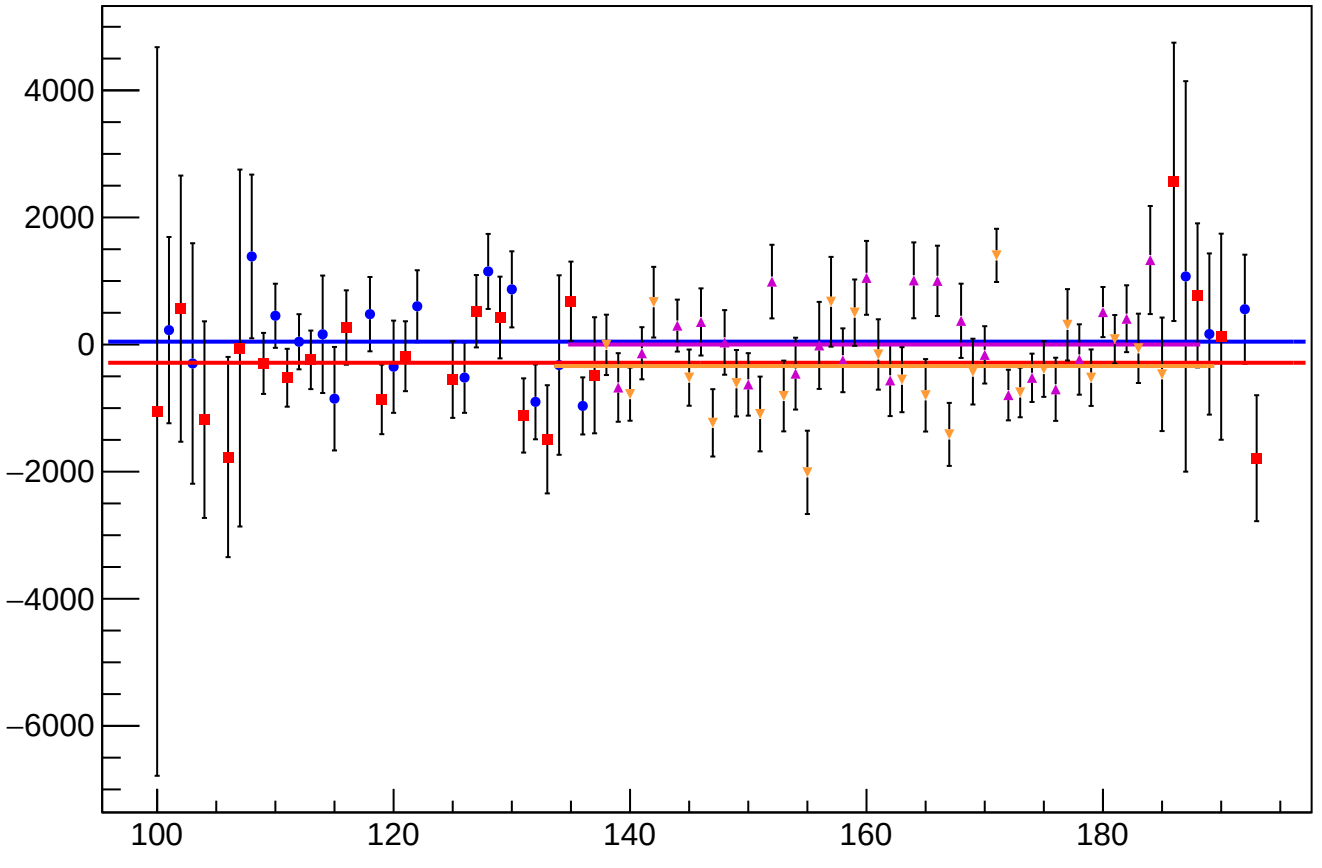
Right Out: 1132.938+/-0.261 χ^2/NDF: 228824.4/21

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1092.785+/-0.148 χ^2/NDF: 693730.3/42

All: 1096.320+/-0.105 χ^2/NDF: 1000914.2/87

- sign 1099.819+/-0.148 χ^2/NDF: 306054.2/44



Right In: 45.721+/-157.037 χ^2/NDF: 19.5/18

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

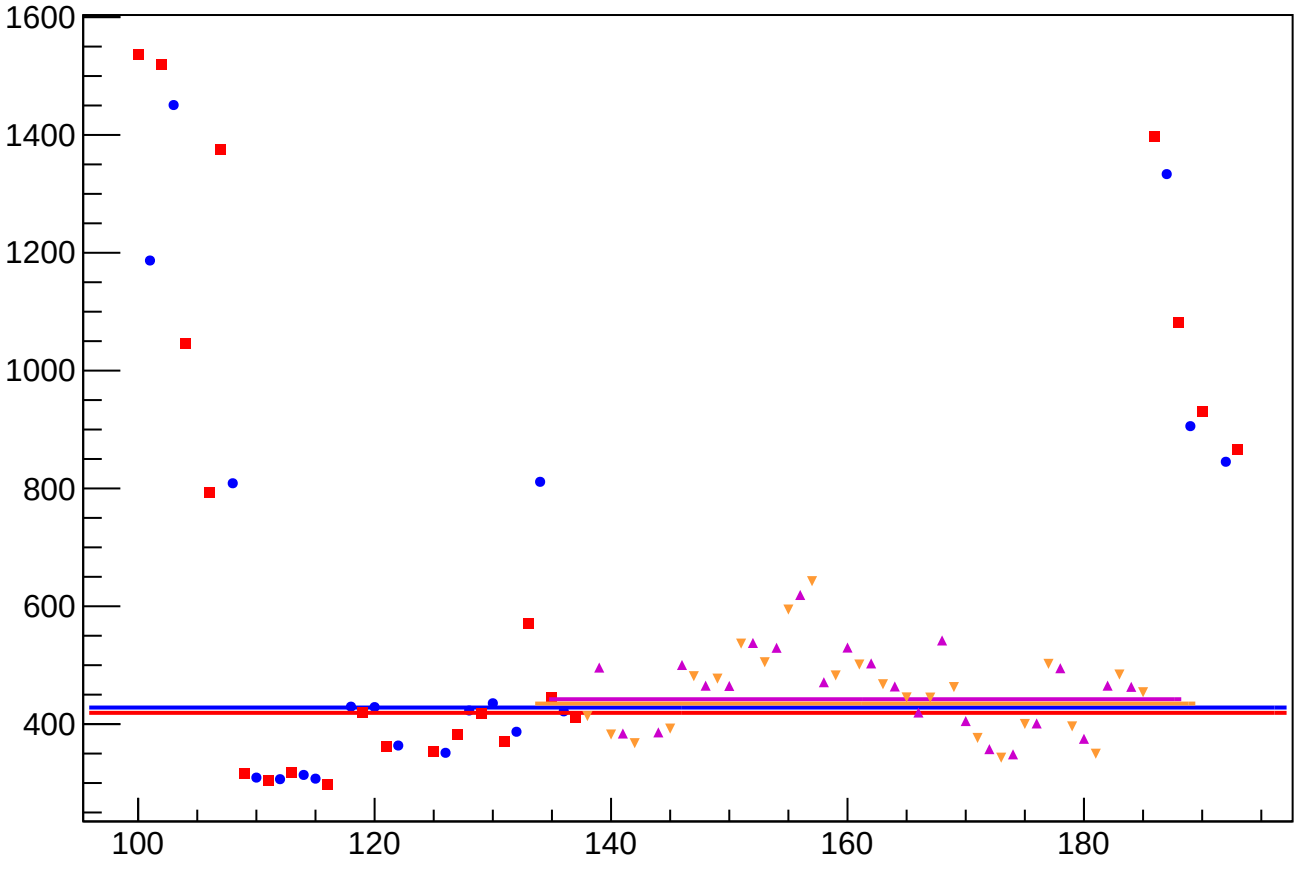
Right Out: -286.482+/-151.854 χ^2/NDF: 18.6/21

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -223.074+/-85.893 χ^2/NDF: 72.4/42

All: -157.764+/-60.849 χ^2/NDF: 126.4/87

- sign -91.962+/-86.216 χ^2/NDF: 52.9/44



Right In: 428.125+/-0.111 χ^2/NDF: 2790016.6/18

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

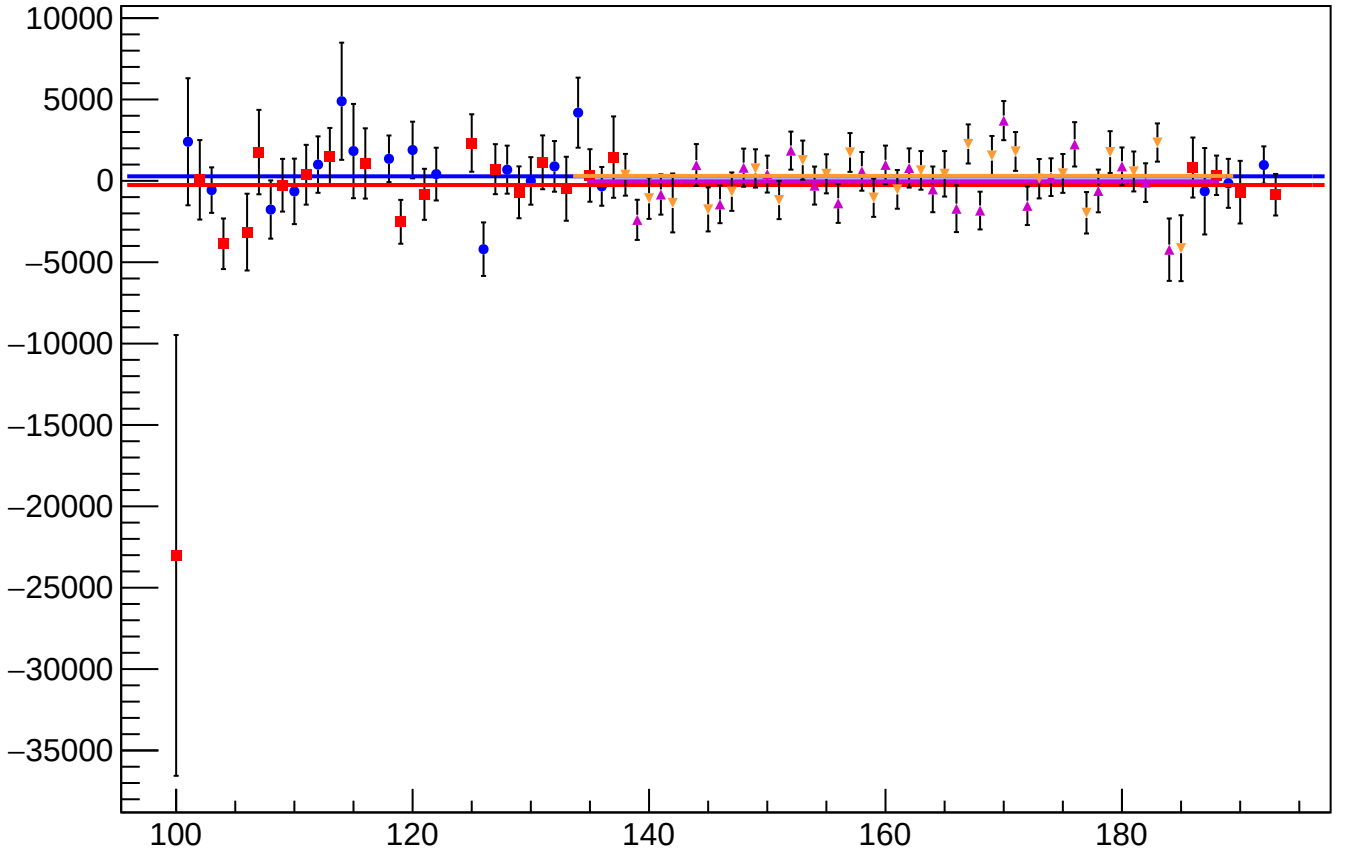
Right Out: 419.118+/-0.107 χ^2/NDF: 3528397.7/21

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

\+ sign 432.842+/-0.061 χ^2/NDF: 3671098.9/42

All: 433.801+/-0.043 χ^2/NDF: 8057181.4/87

\- sign 434.766+/-0.061 χ^2/NDF: 4385582.7/44



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: -254.694+/-371.413 χ^2/NDF: 19.6/21

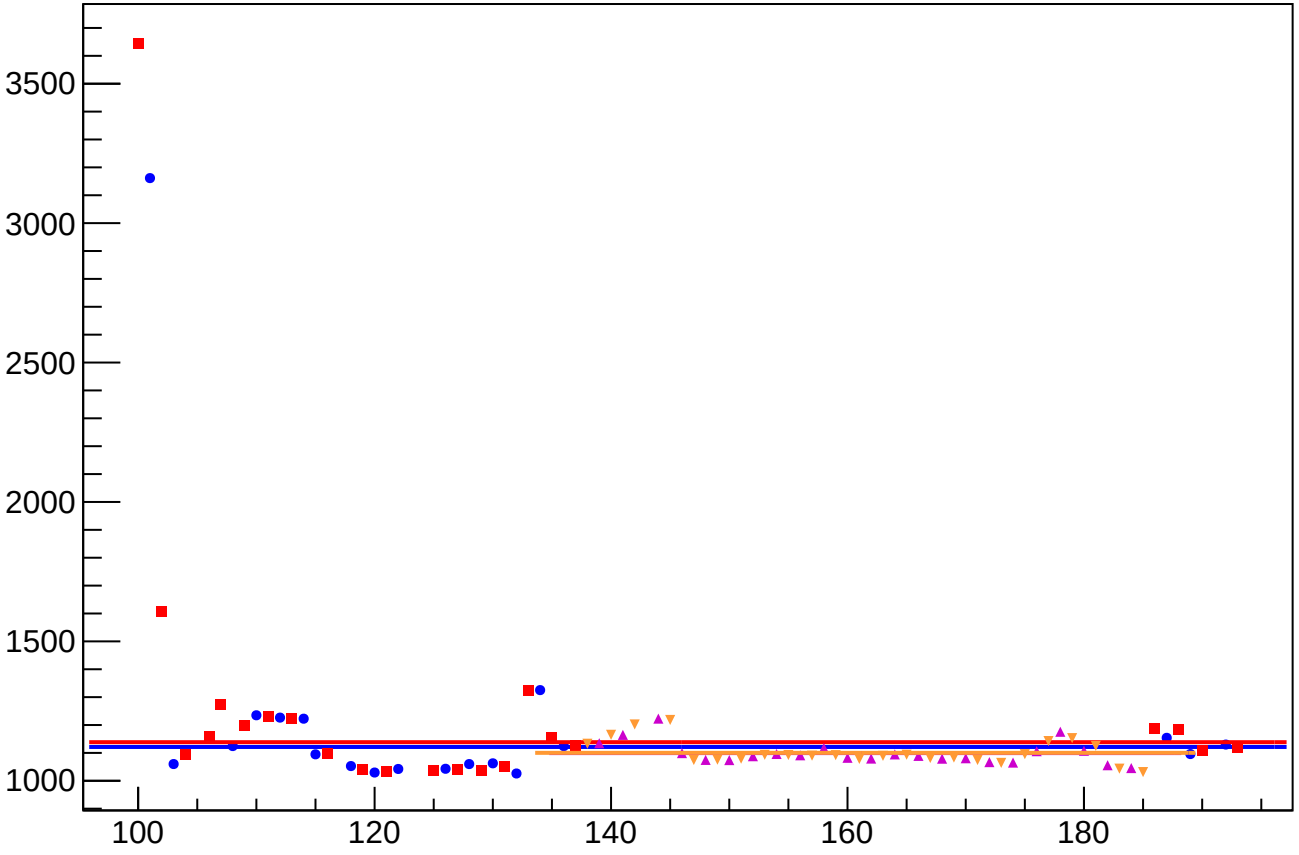
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 295.714+/-212.471 χ^2/NDF: 46.0/42

All: 96.965+/-149.811 χ^2/NDF: 103.4/87

- sign -99.532+/-211.264 χ^2/NDF: 55.7/44

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

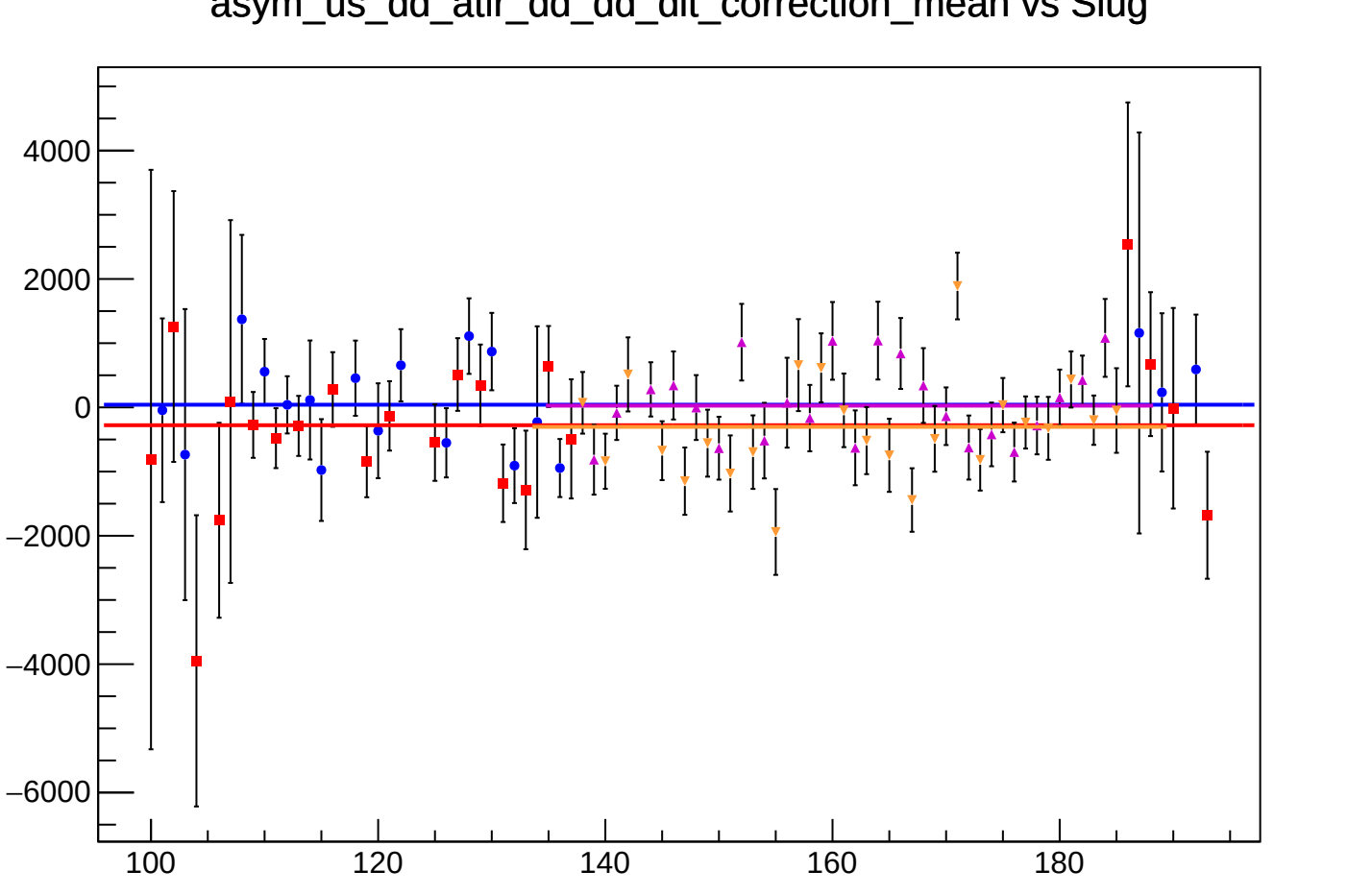
Right Out: 1138.437+/-0.263 χ^2/NDF: 232774.4/21

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1106.754+/-0.150 χ^2/NDF: 670974.9/42

All: 1109.387+/-0.106 χ^2/NDF: 964135.5/87

- sign 1111.991+/-0.149 χ^2/NDF: 292549.5/44



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: -278.025+/-154.168 χ^2/NDF: 19.4/21

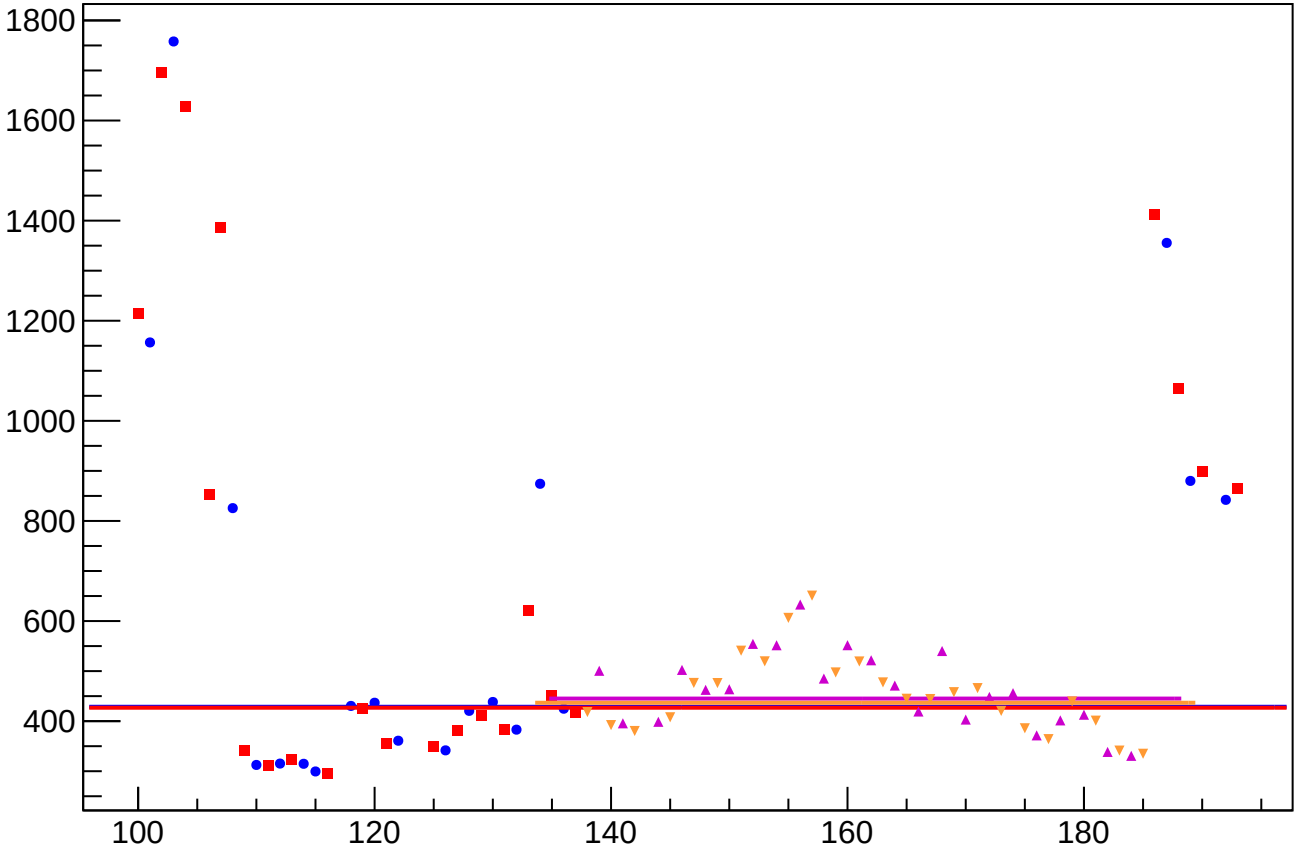
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -200.056+/-86.193 χ^2/NDF: 73.1/42

All: -135.828+/-61.238 χ^2/NDF: 124.2/87

- sign -70.361+/-87.021 χ^2/NDF: 50.0/44

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: 426.862+/-0.109 χ^2/NDF: 3912344.2/21

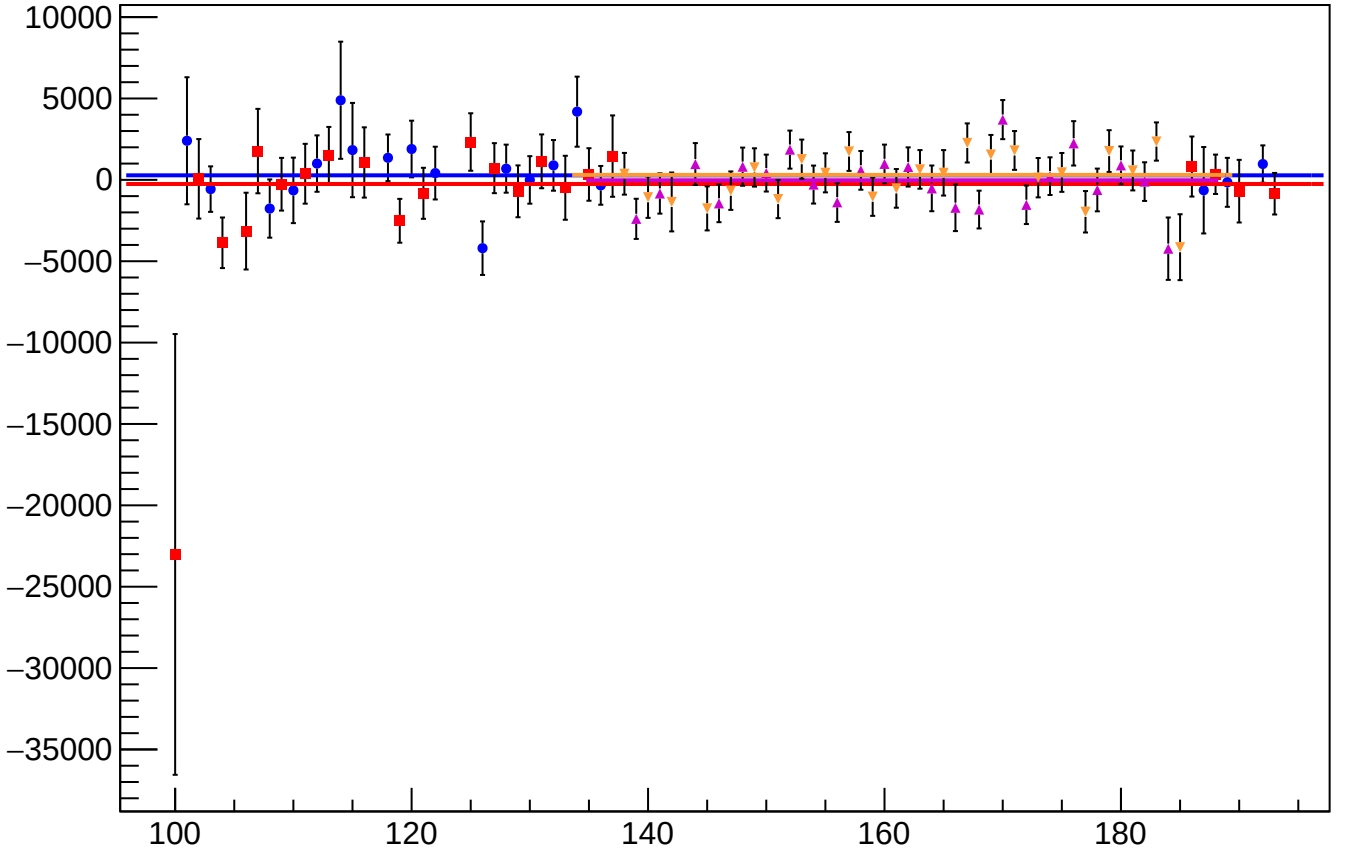
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 434.378+/-0.061 χ^2/NDF: 3748469.1/42

All: 436.813+/-0.043 χ^2/NDF: 8557661.2/87

- sign 439.295+/-0.062 χ^2/NDF: 4805969.2/44

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: -254.694+/-371.413 χ^2/NDF: 19.6/21

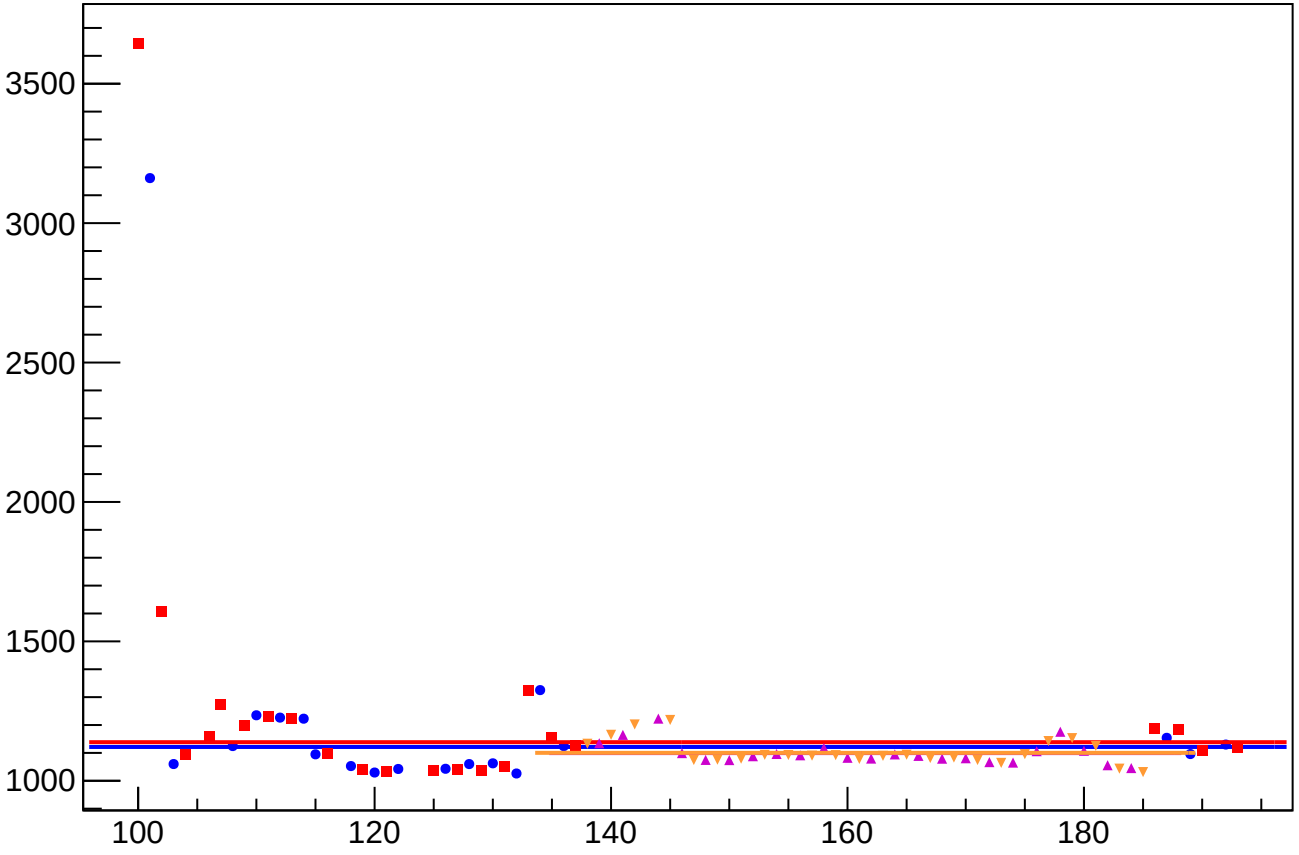
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 295.713+/-212.471 χ^2/NDF: 46.0/42

All: 96.964+/-149.811 χ^2/NDF: 103.4/87

- sign -99.533+/-211.264 χ^2/NDF: 55.7/44

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

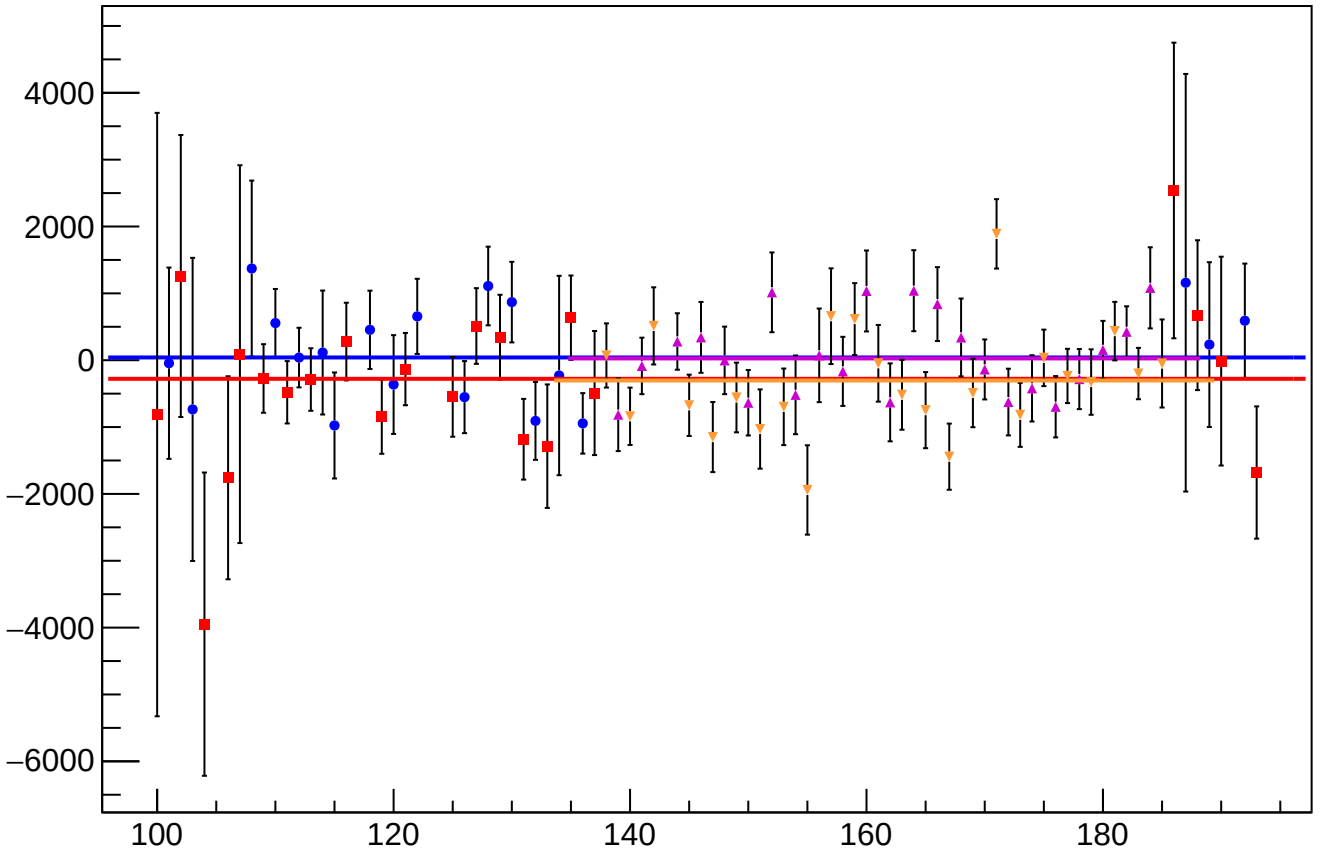
Right Out: 1138.437+/-0.263 χ^2/NDF: 232774.4/21

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1106.754+/-0.150 χ^2/NDF: 670975.2/42

All: 1109.387+/-0.106 χ^2/NDF: 964135.9/87

- sign 1111.991+/-0.149 χ^2/NDF: 292549.7/44



Right In: 41.290+/-157.512 χ^2/NDF: 20.2/18

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

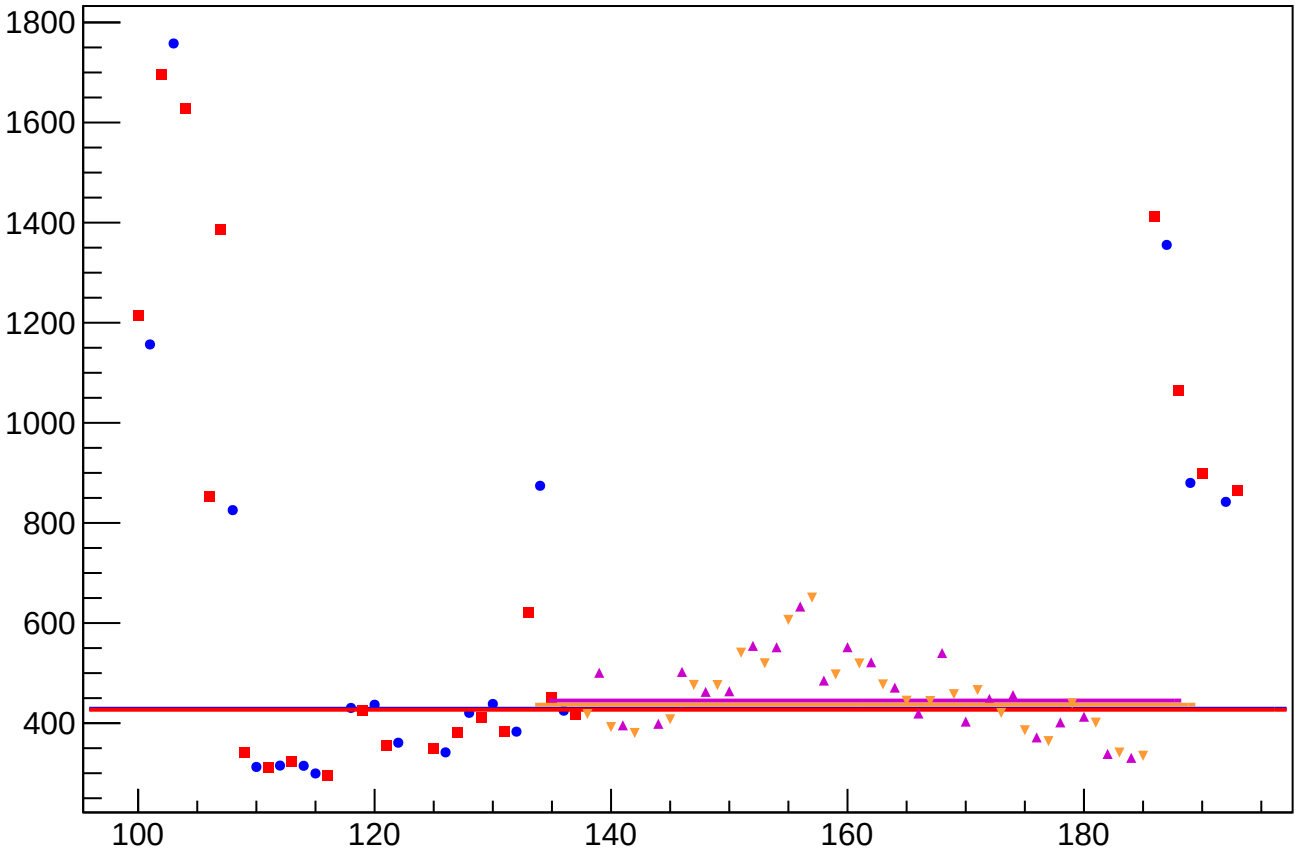
Right Out: -278.022+/-154.167 χ^2/NDF: 19.4/21

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -200.057+/-86.193 χ^2/NDF: 73.1/42

All: -135.829+/-61.238 χ^2/NDF: 124.2/87

- sign -70.361+/-87.020 χ^2/NDF: 50.0/44



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: 426.859+/-0.109 χ^2/NDF: 3912356.2/21

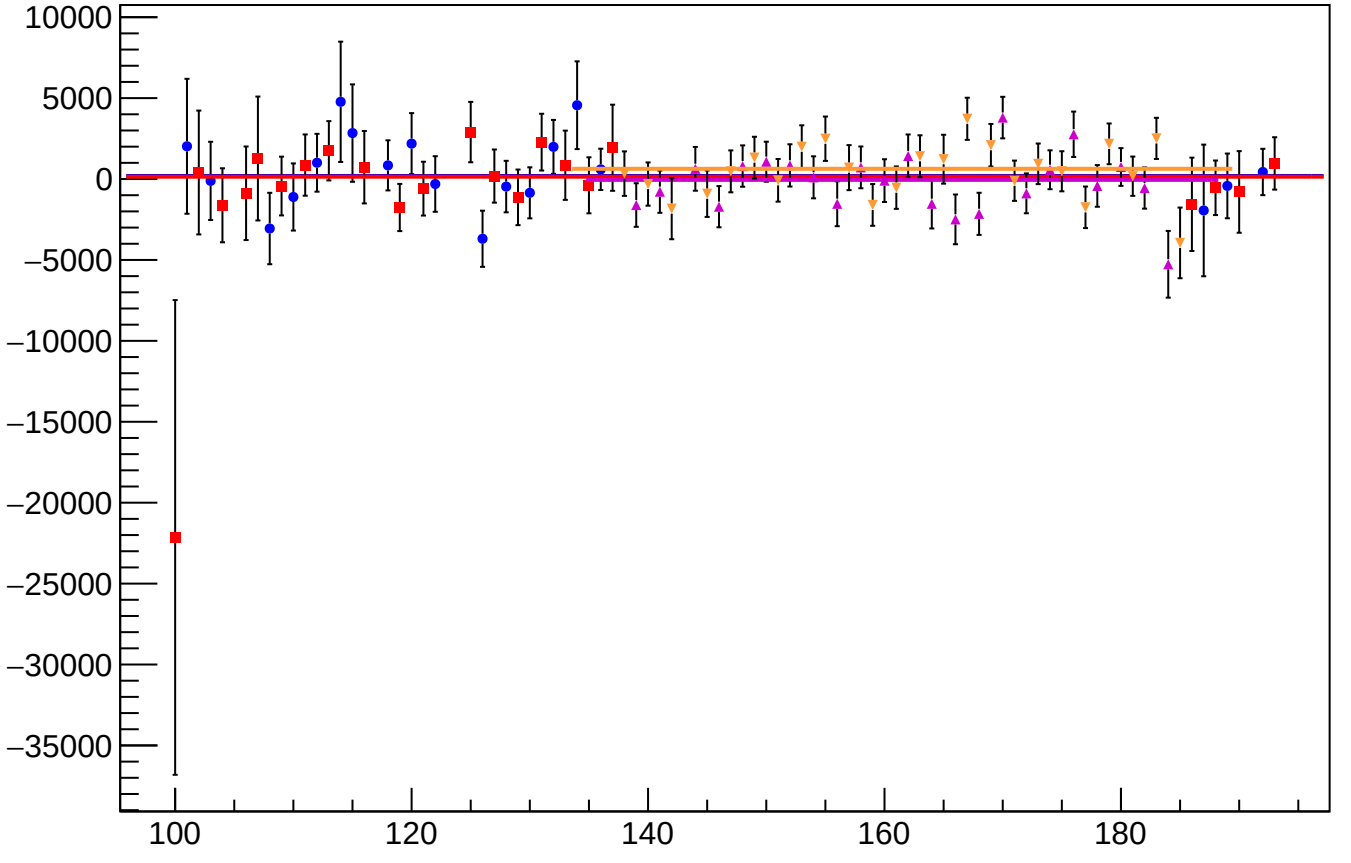
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

\+ sign 434.377+/-0.061 χ^2/NDF: 3748505.7/42

All: 436.812+/-0.043 χ^2/NDF: 8557750.1/87

\- sign 439.294+/-0.062 χ^2/NDF: 4806021.7/44

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: 145.246+/-430.659 χ^2/NDF: 11.9/21

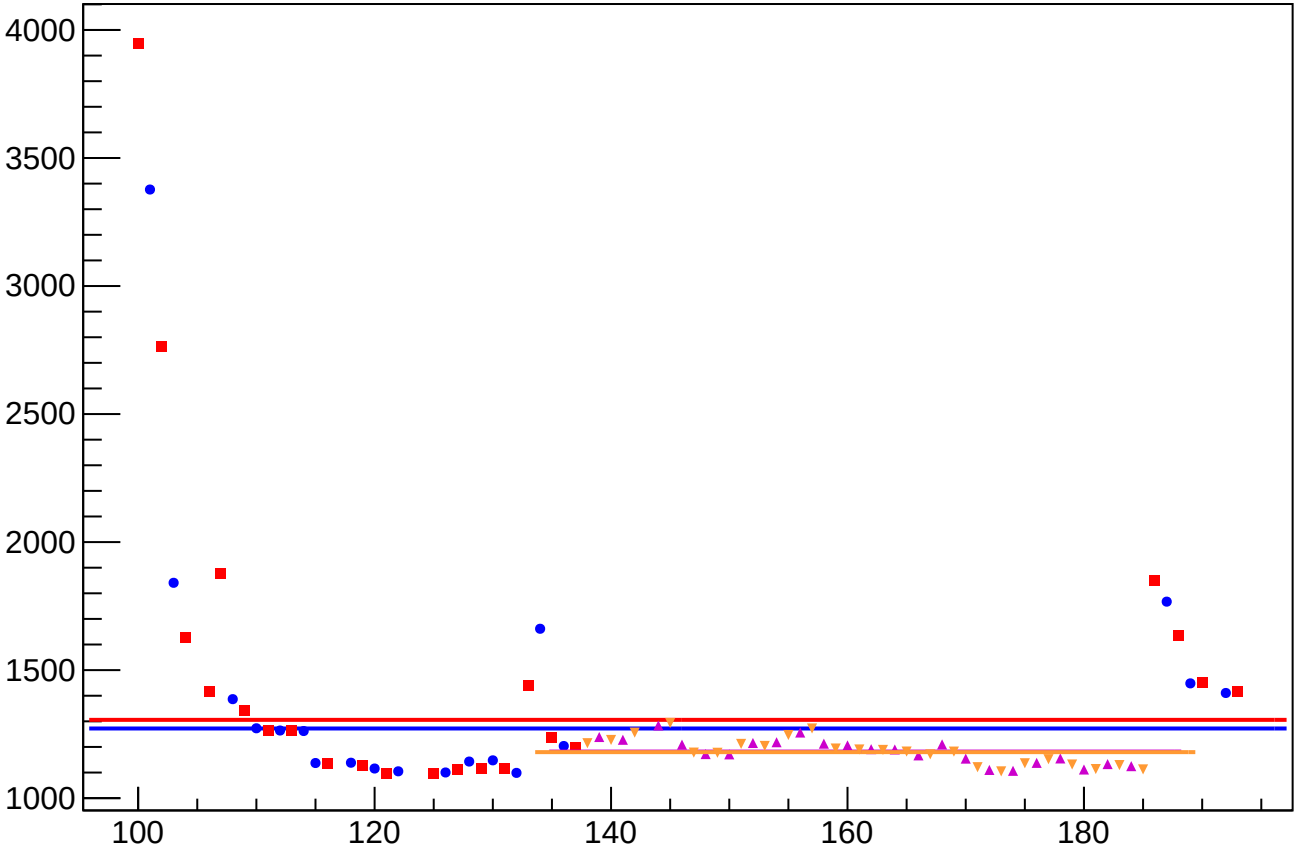
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 507.374+/-232.165 χ^2/NDF: 47.4/42

All: 257.207+/-164.284 χ^2/NDF: 96.8/87

- sign 6.315+/-232.501 χ^2/NDF: 47.0/44

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

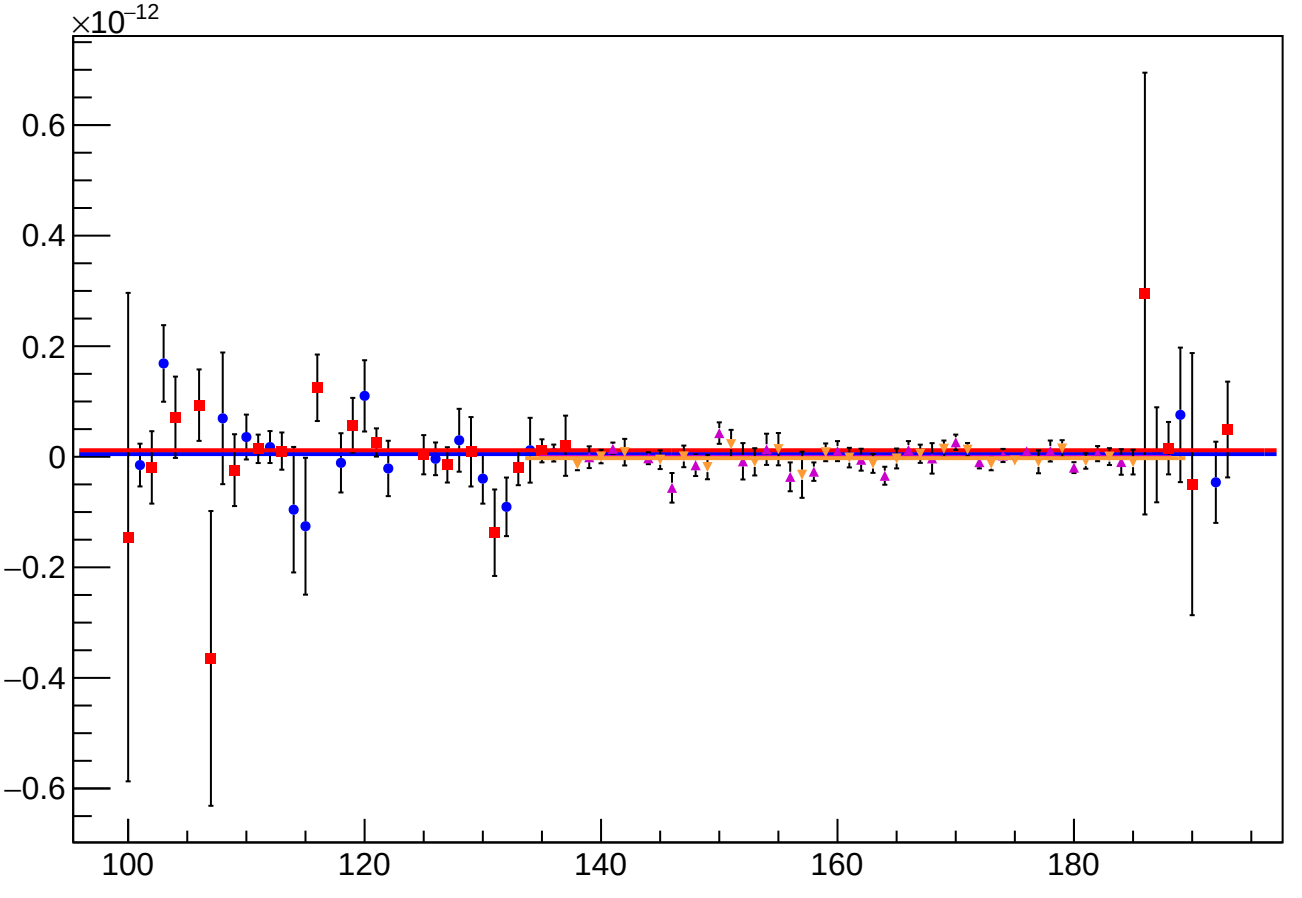
Right Out: 1305.780+/-0.305 χ^2/NDF: 797935.4/21

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

\+ sign 1205.785+/-0.164 χ^2/NDF: 984453.5/42

All: 1211.897+/-0.116 χ^2/NDF: 1962721.3/87

\- sign 1218.027+/-0.164 χ^2/NDF: 975491.5/44



Right In: 0.000+/-0.000 χ^2/NDF: 17.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

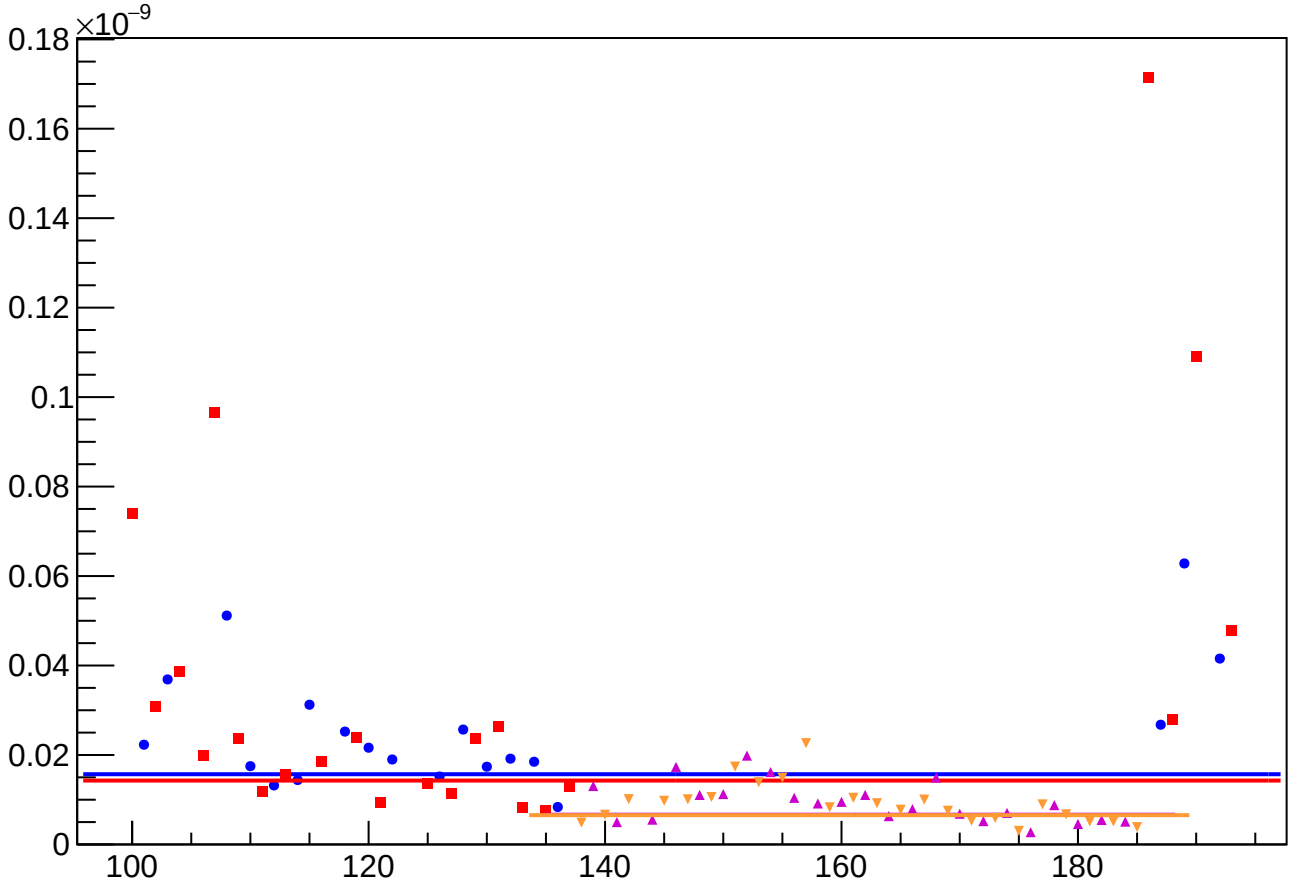
Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/21

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: 78.6/87

- sign 0.000+/-0.000 χ^2/NDF: 49.9/44



Right In: 0.000+/-0.000 χ^2/NDF: 1679079.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

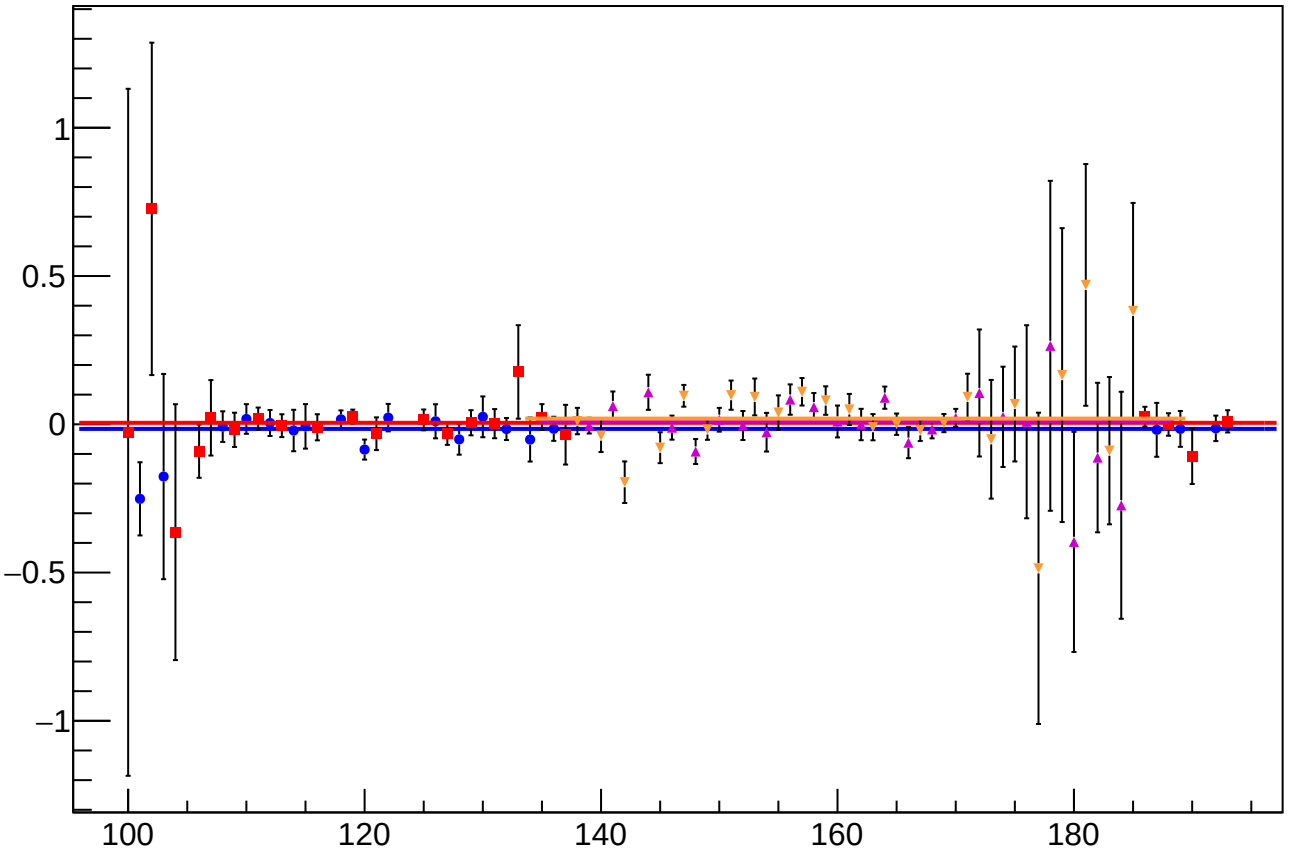
Right Out: 0.000+/-0.000 χ^2/NDF: 2308994.0/21

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: 11810932.3/87

- sign 0.000+/-0.000 χ^2/NDF: 6106596.3/44



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: 9.8/21

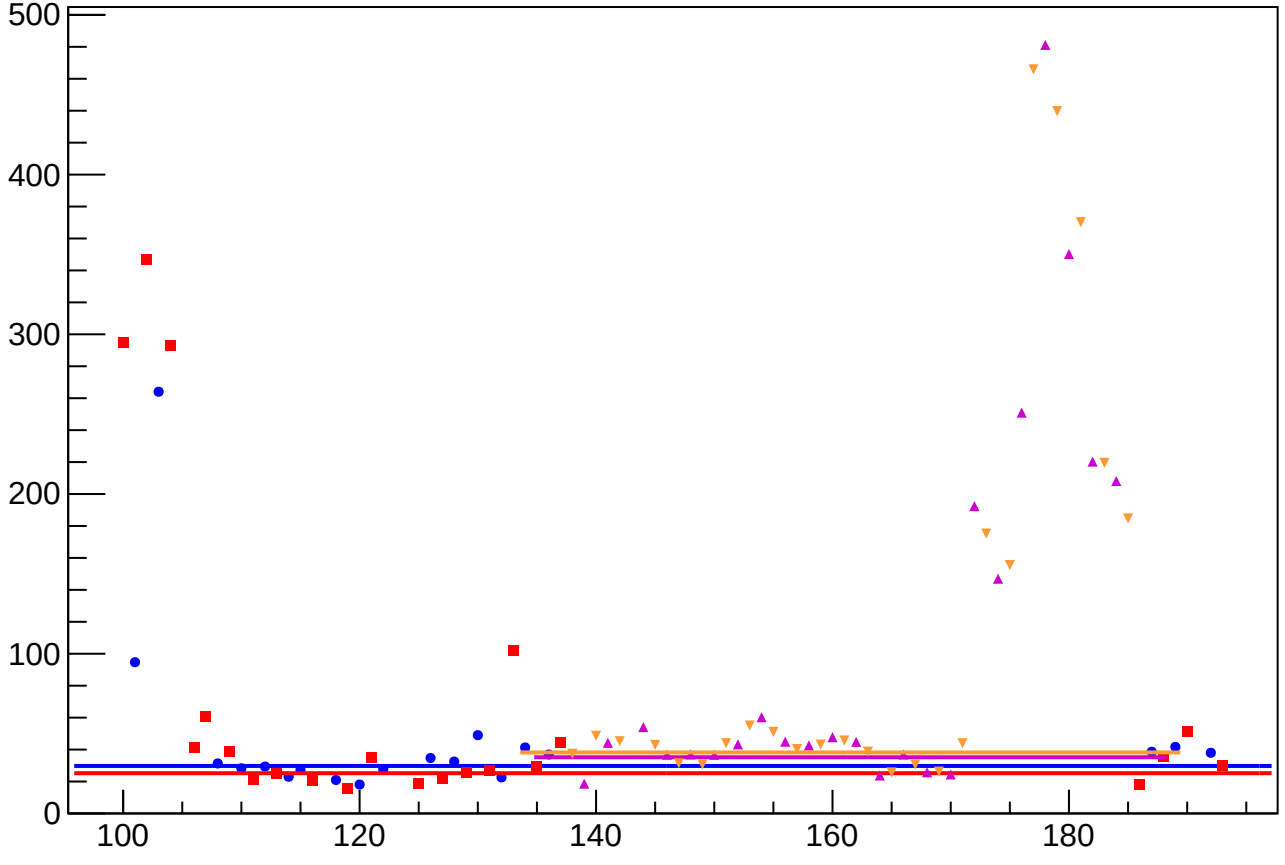
Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 52.7/42

All: 0.005+/-0.005 χ^2/NDF: 86.4/87

- sign 0.008+/-0.007 χ^2/NDF: 33.5/44

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.743+/-0.008 χ^2/NDF: 2439329.2/18

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

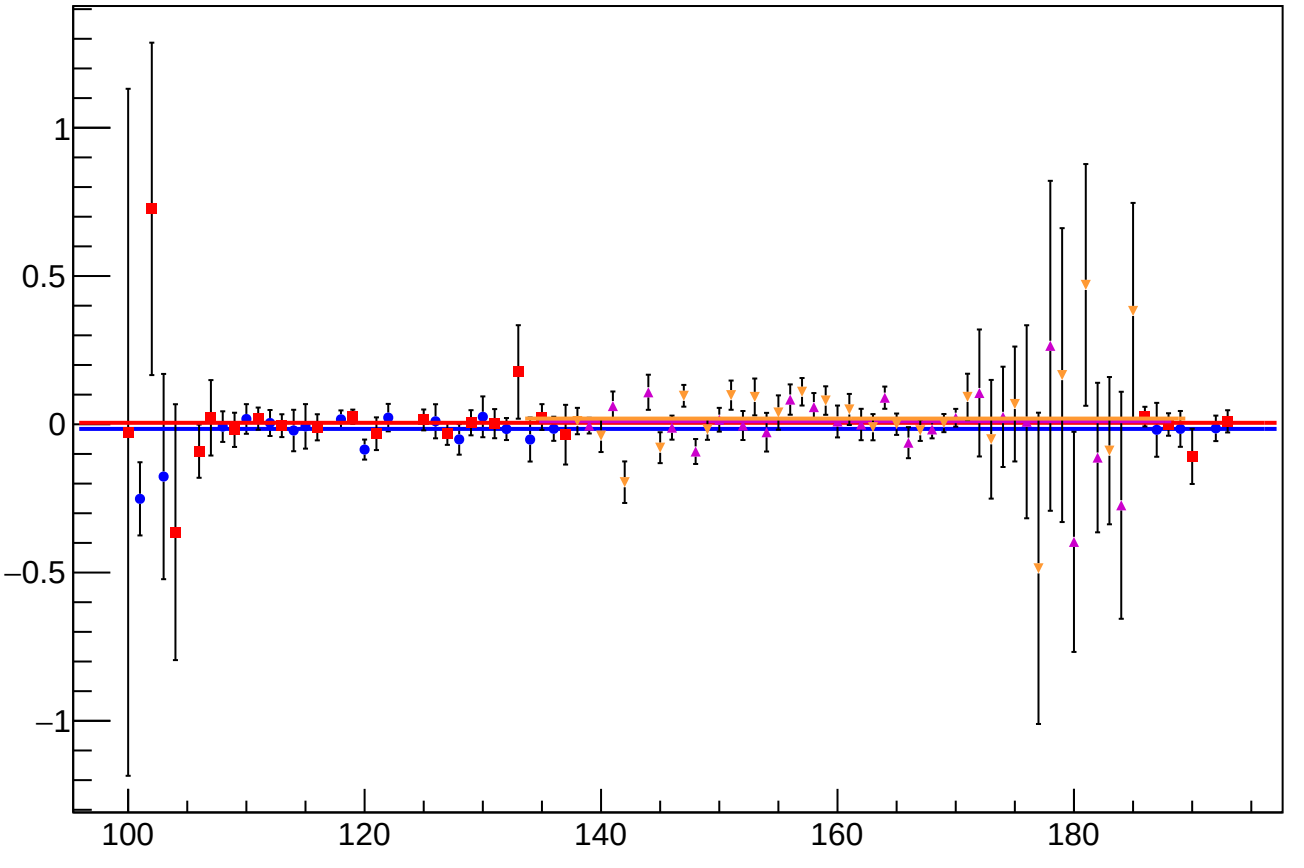
Right Out: 25.208+/-0.007 χ^2/NDF: 3379181.1/21

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.246+/-0.006 χ^2/NDF: 11299204.5/42

All: 31.945+/-0.004 χ^2/NDF: 25355192.8/87

- sign 30.053+/-0.005 χ^2/NDF: 13745309.2/44



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/18

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

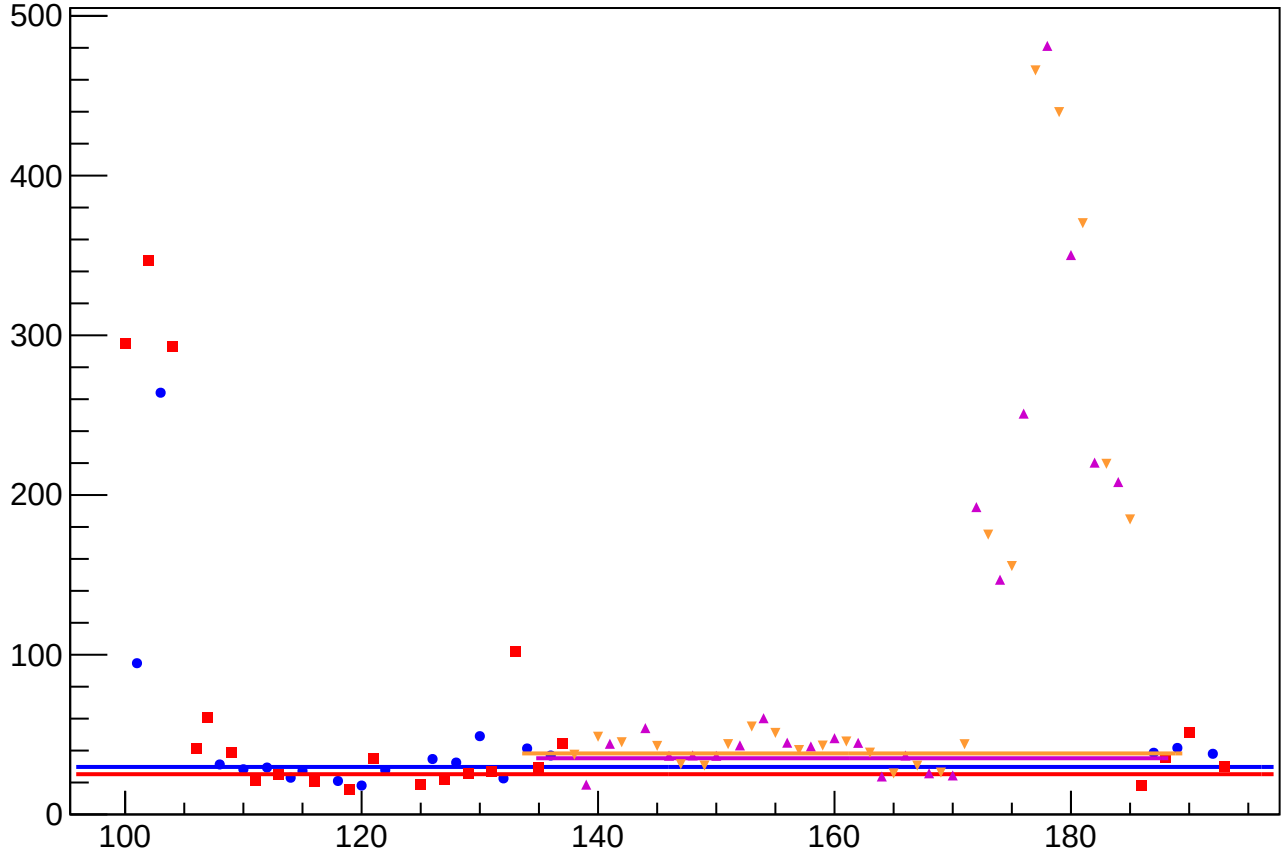
Right Out: 0.005+/-0.010 χ^2/NDF: 9.8/21

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: 86.4/87

- sign 0.008+/-0.007 χ^2/NDF: 33.5/44



Right In: 29.743+/-0.008 χ^2/NDF: 2439329.2/18

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

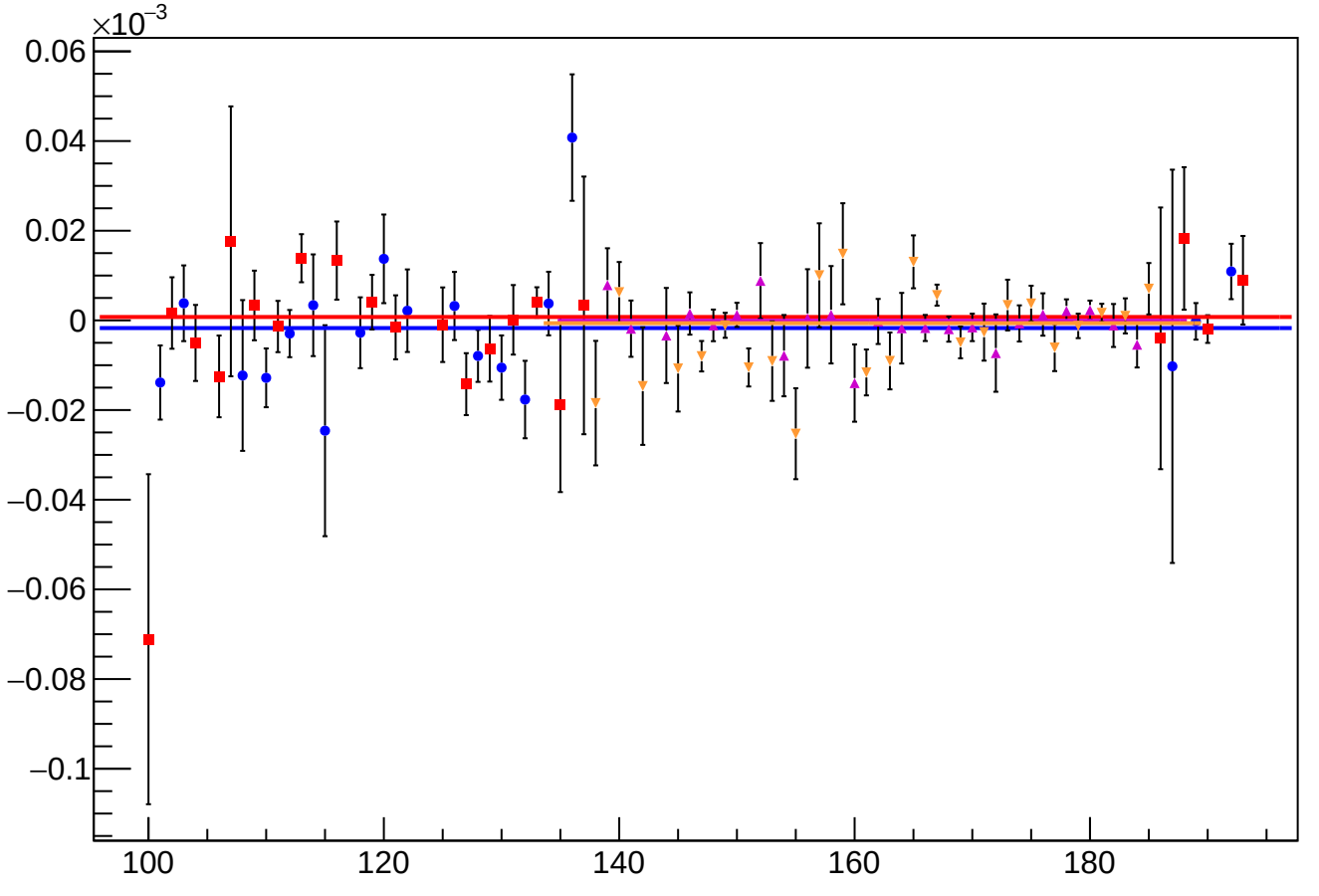
Right Out: 25.208+/-0.007 χ^2/NDF: 3379181.1/21

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.246+/-0.006 χ^2/NDF: 11299204.5/42

All: 31.945+/-0.004 χ^2/NDF: 25355192.8/87

- sign 30.053+/-0.005 χ^2/NDF: 13745309.2/44



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

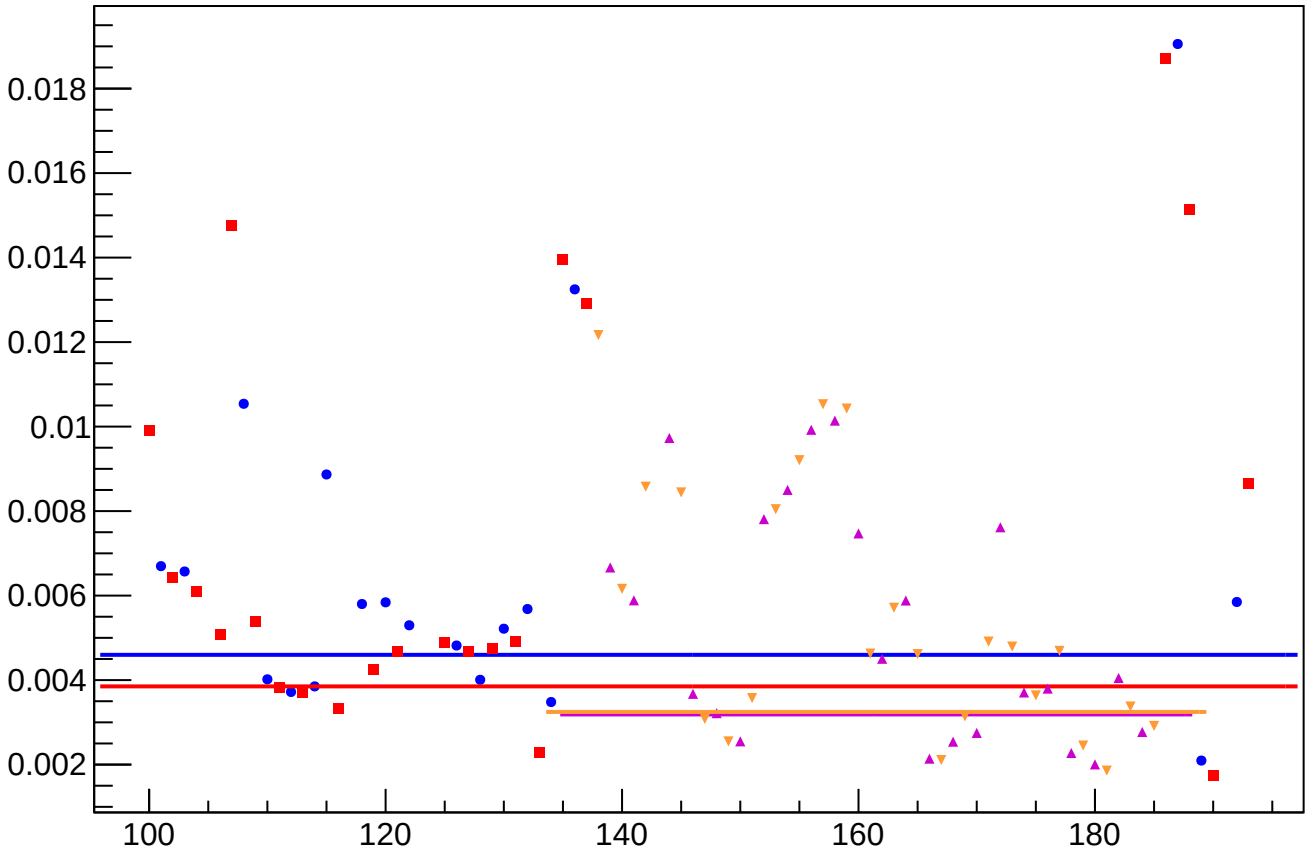
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/21

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: 119.5/87

- sign 0.000+/-0.000 χ^2/NDF: 37.0/44



Right In: 0.005+/-0.000 χ^2/NDF: 2646744.7/18

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

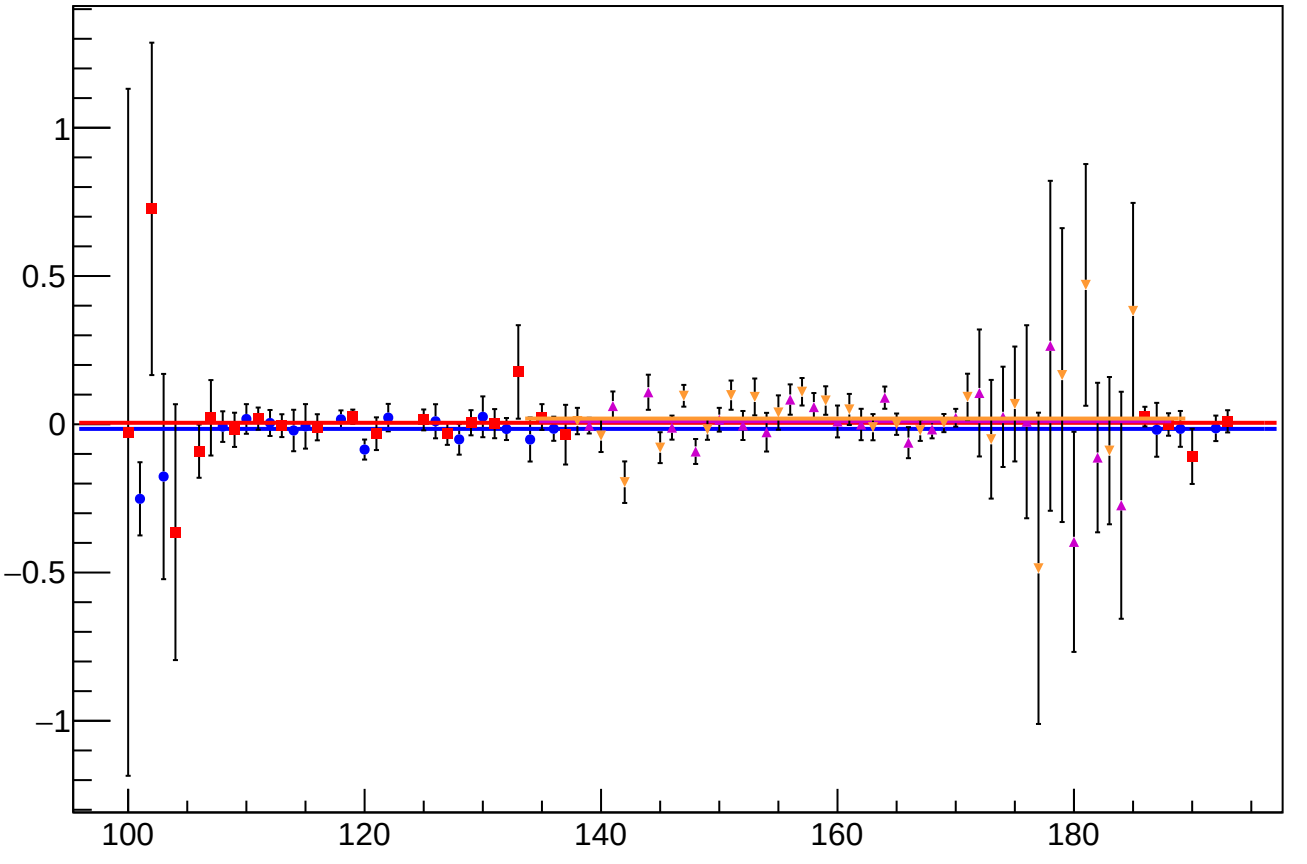
Right Out: 0.004+/-0.000 χ^2/NDF: 5045796.7/21

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: 24048395.9/87

- sign 0.003+/-0.000 χ^2/NDF: 12653165.0/44



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/18

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

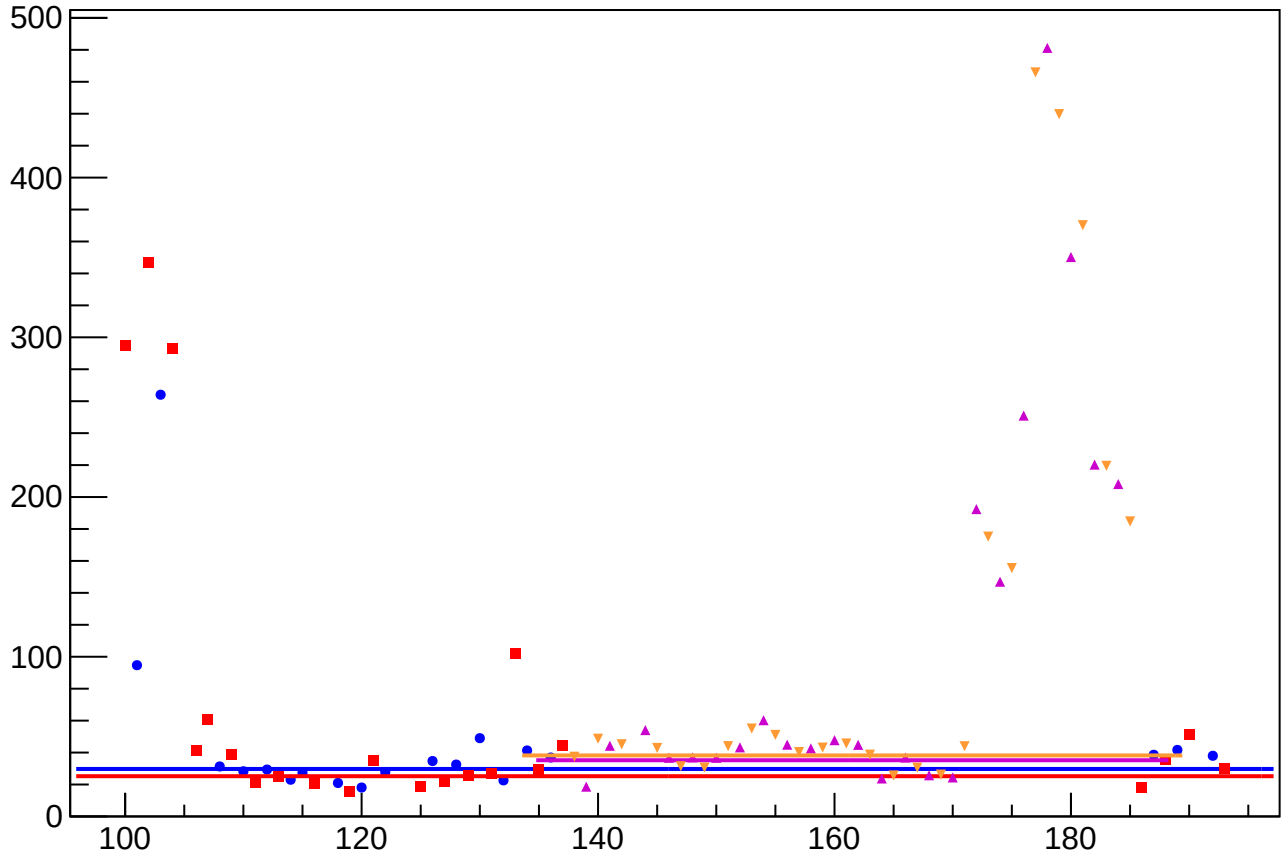
Right Out: 0.005+/-0.010 χ^2/NDF: 9.8/21

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: 86.4/87

- sign 0.008+/-0.007 χ^2/NDF: 33.5/44



Right In: 29.743+/-0.008 χ^2/NDF: 2439369.8/18

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 25.206+/-0.007 χ^2/NDF: 3379426.8/21

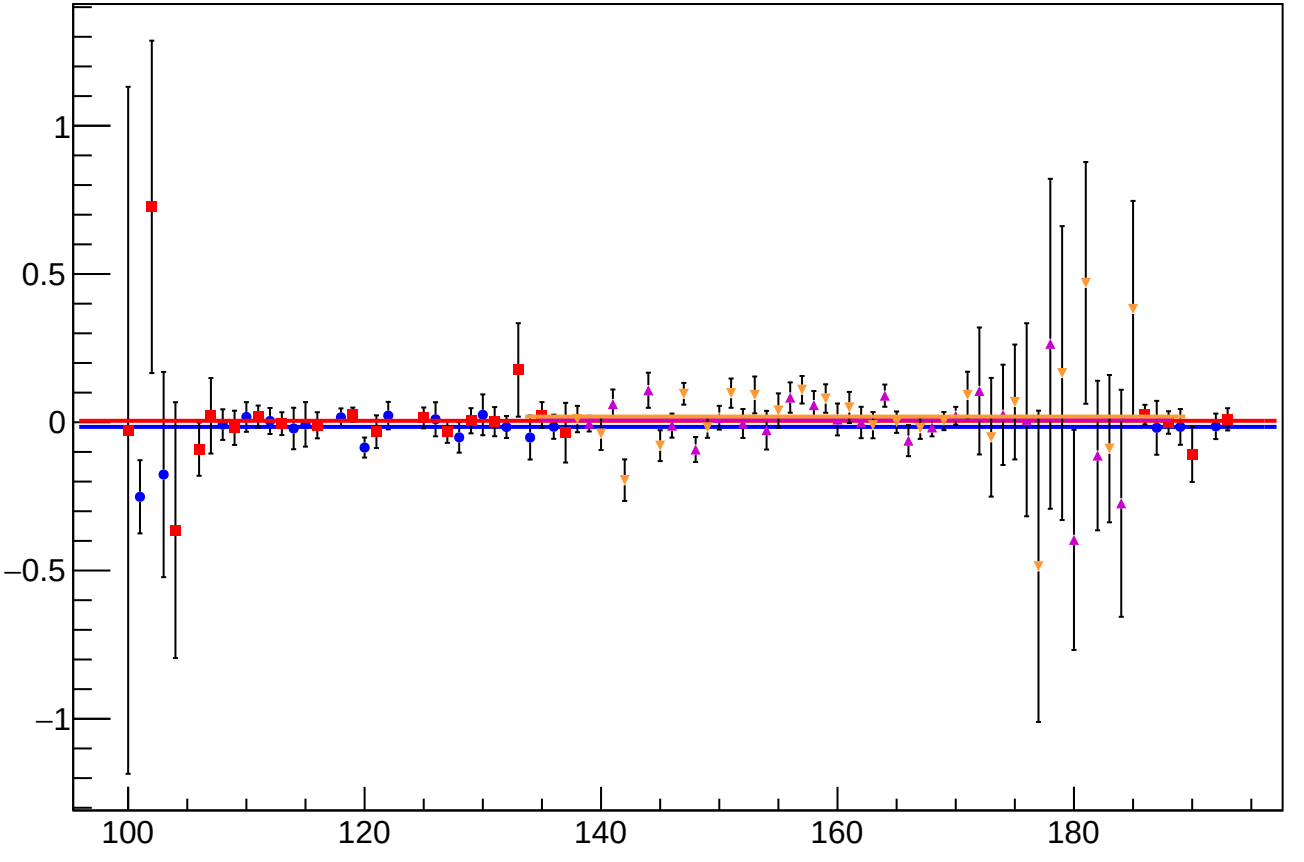
Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.246+/-0.006 χ^2/NDF: 11299369.7/42

All: 31.944+/-0.004 χ^2/NDF: 25356647.4/87

- sign 30.051+/-0.005 χ^2/NDF: 13746388.5/44

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

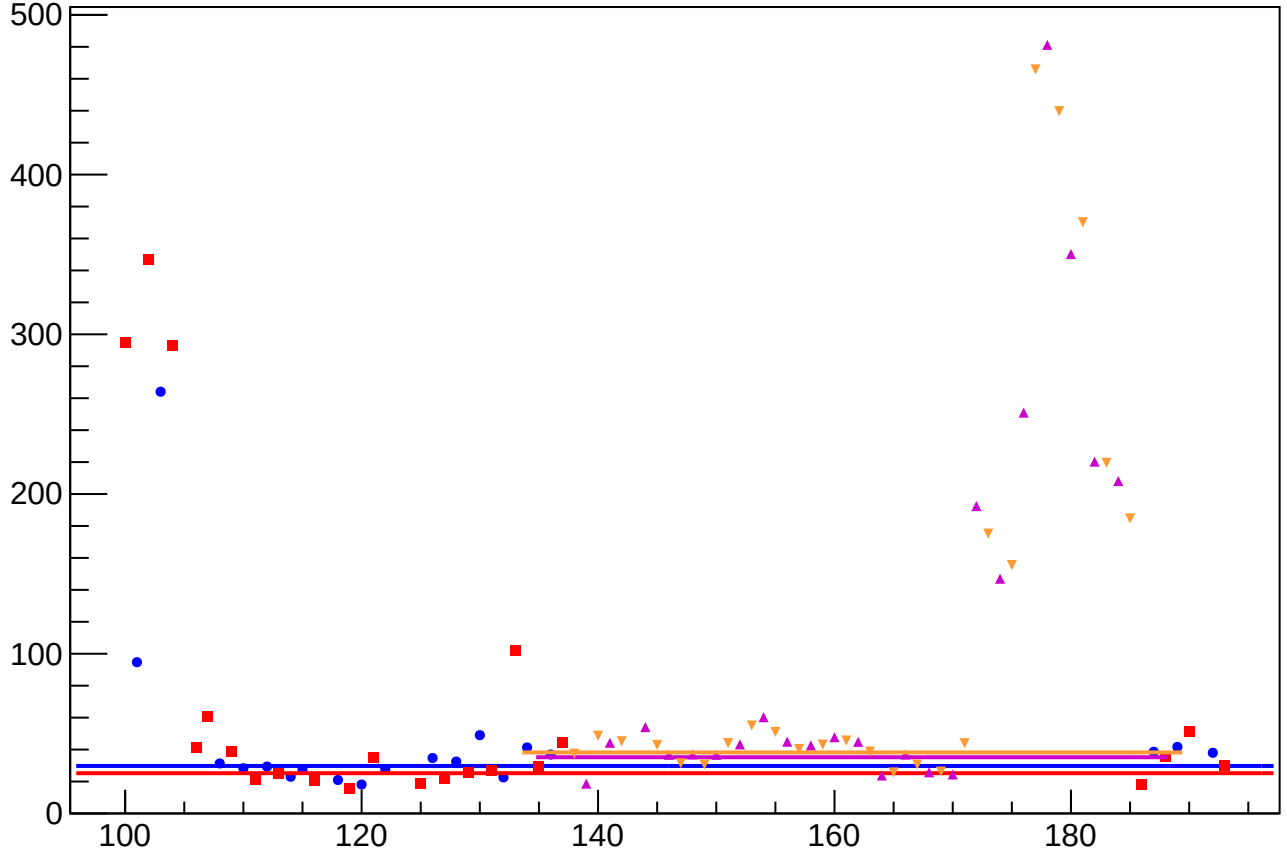
Right Out: 0.005+/-0.010 χ^2/NDF: 9.8/21

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: 86.4/87

- sign 0.008+/-0.007 χ^2/NDF: 33.5/44



Right In: 29.743+/-0.008 χ^2/NDF: 2439369.8/18

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

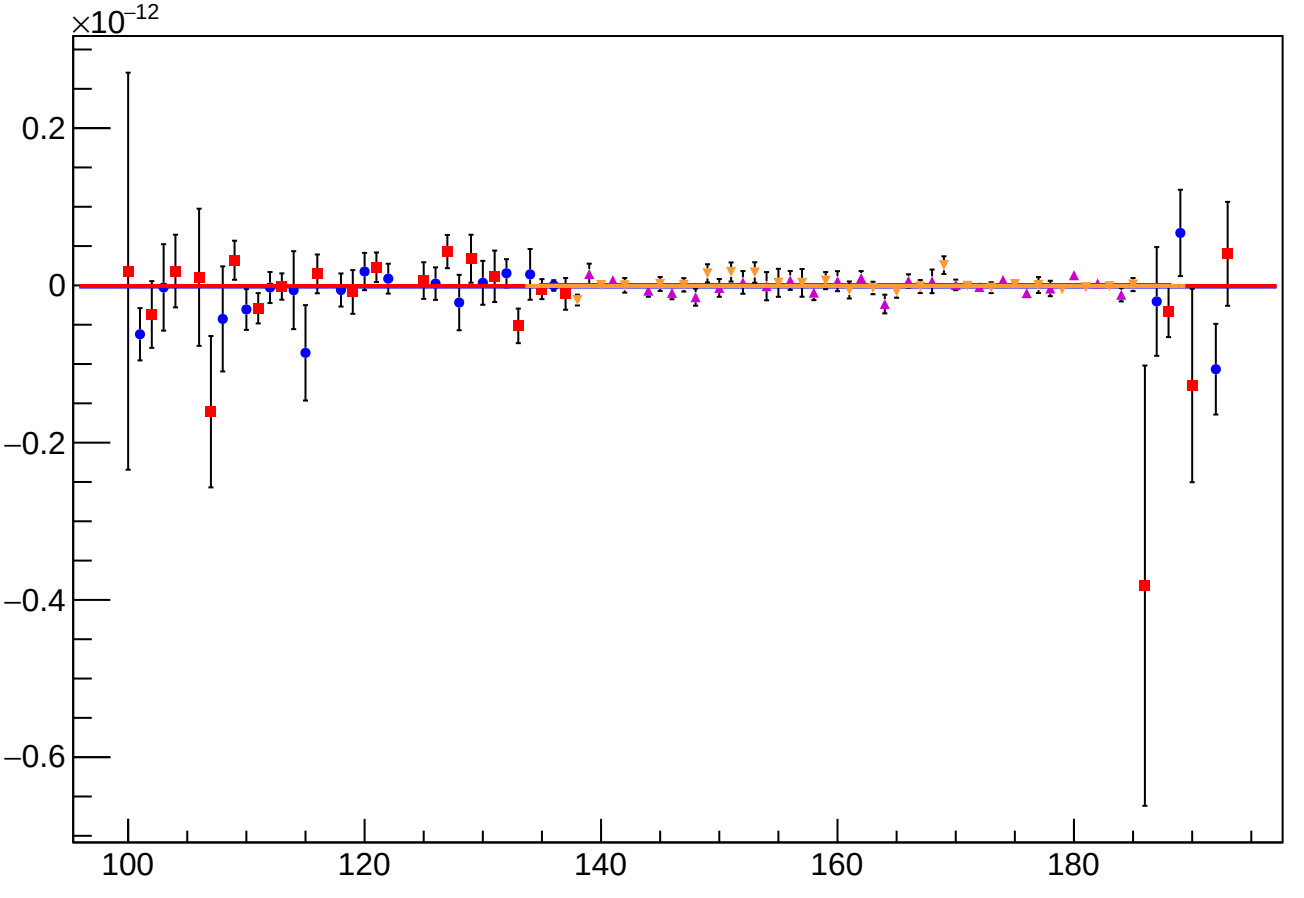
Right Out: 25.206+/-0.007 χ^2/NDF: 3379426.8/21

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.246+/-0.006 χ^2/NDF: 11299369.7/42

All: 31.944+/-0.004 χ^2/NDF: 25356647.4/87

- sign 30.051+/-0.005 χ^2/NDF: 13746388.5/44



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

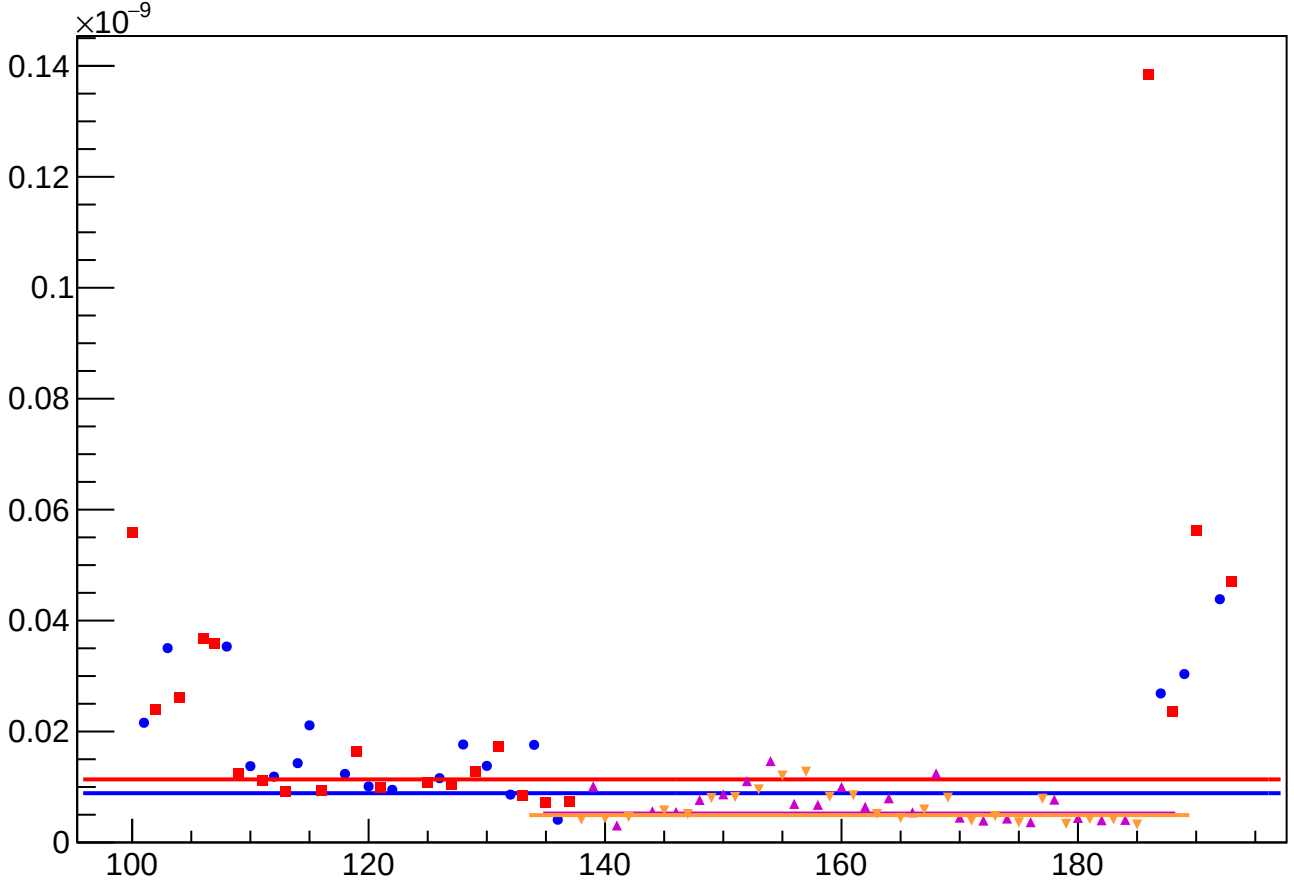
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/21

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: 87.5/87

- sign 0.000+/-0.000 χ^2/NDF: 51.6/44



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: 2809057.0/21

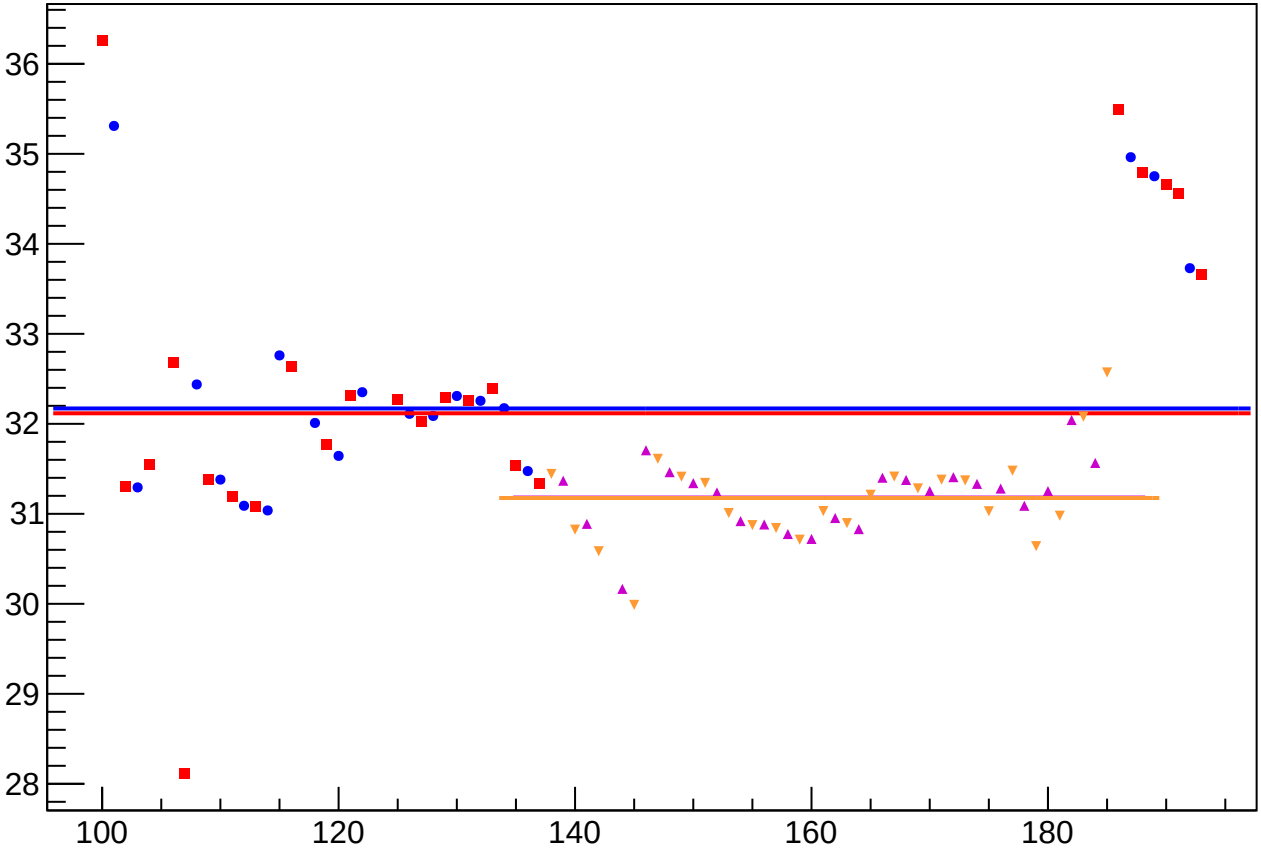
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7795874.1/42

All: 0.000+/-0.000 χ^2/NDF: 16412042.9/87

- sign 0.000+/-0.000 χ^2/NDF: 8548965.5/44

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

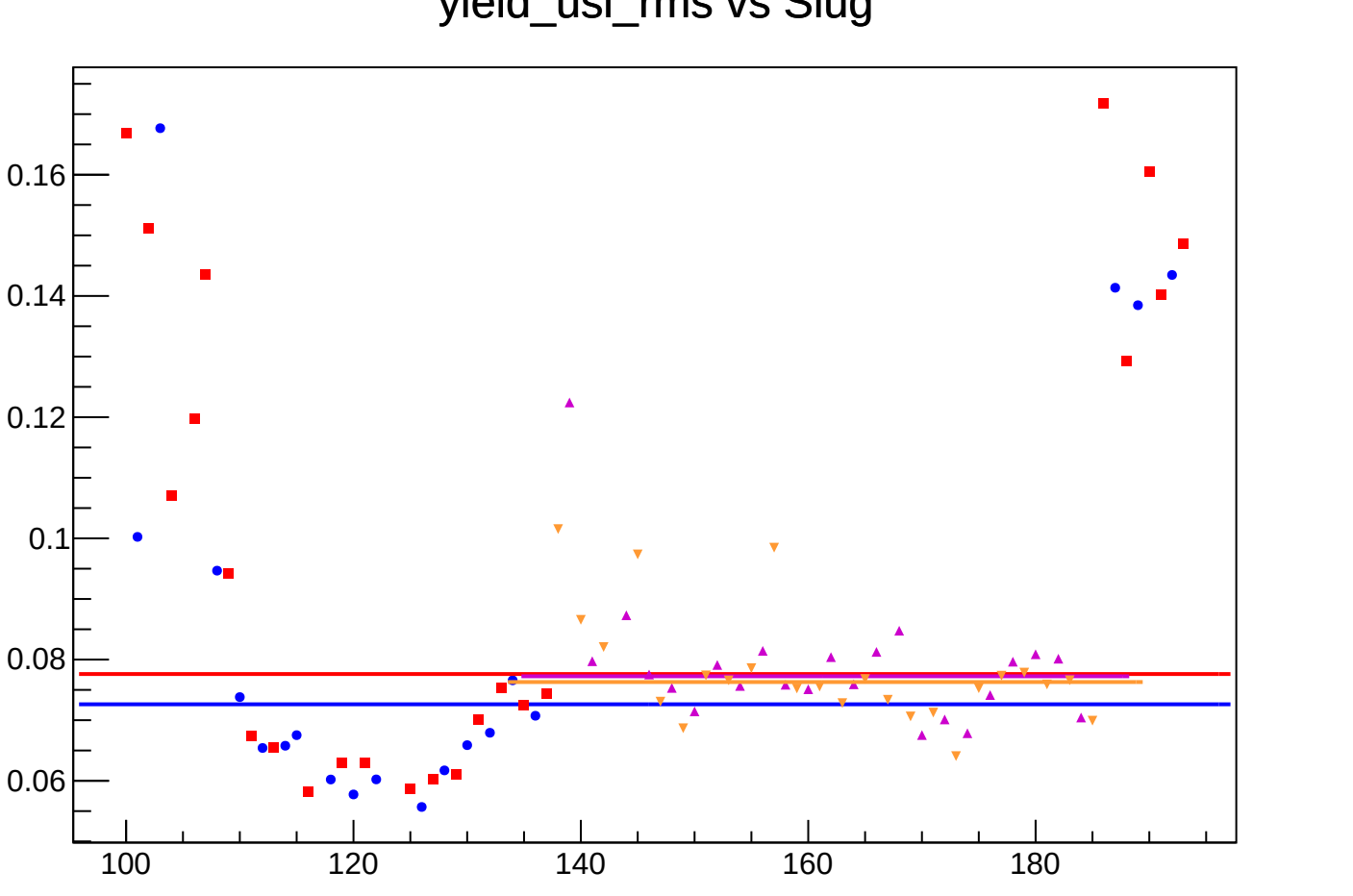
Right Out: 32.117+/-0.000 χ^2/NDF: 1360026017.4/22

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.504+/-0.000 χ^2/NDF: 2746593247.0/42

All: 31.498+/-0.000 χ^2/NDF: 5286819687.1/8

- sign 31.491+/-0.000 χ^2/NDF: 2539828575.6/45



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: 0.078+/-0.000 χ^2/NDF: 2137987.9/22

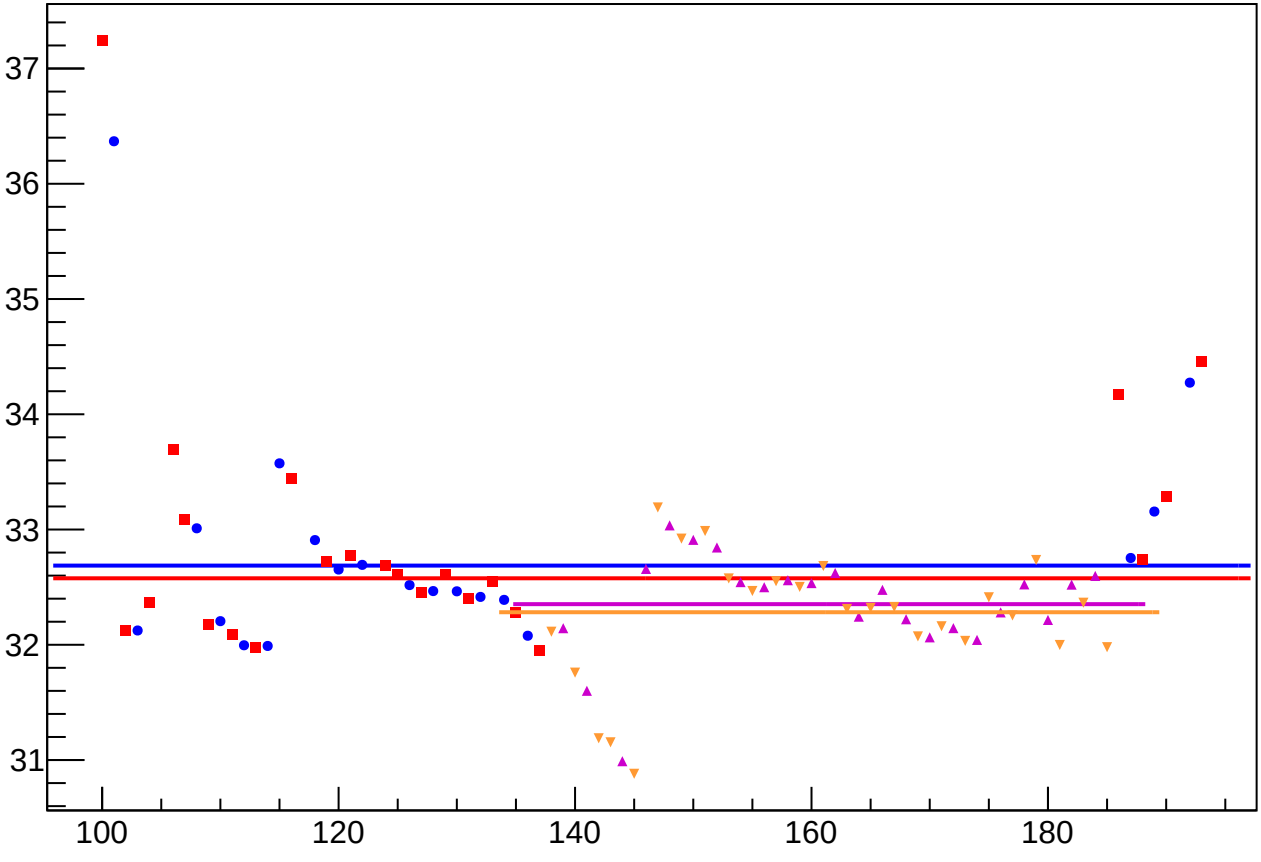
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.075+/-0.000 χ^2/NDF: 1914002.7/42

All: 0.076+/-0.000 χ^2/NDF: 4439507.3/88

- sign 0.077+/-0.000 χ^2/NDF: 2503446.8/45

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: 32.577+/-0.000 χ^2/NDF: 294246907.1/22

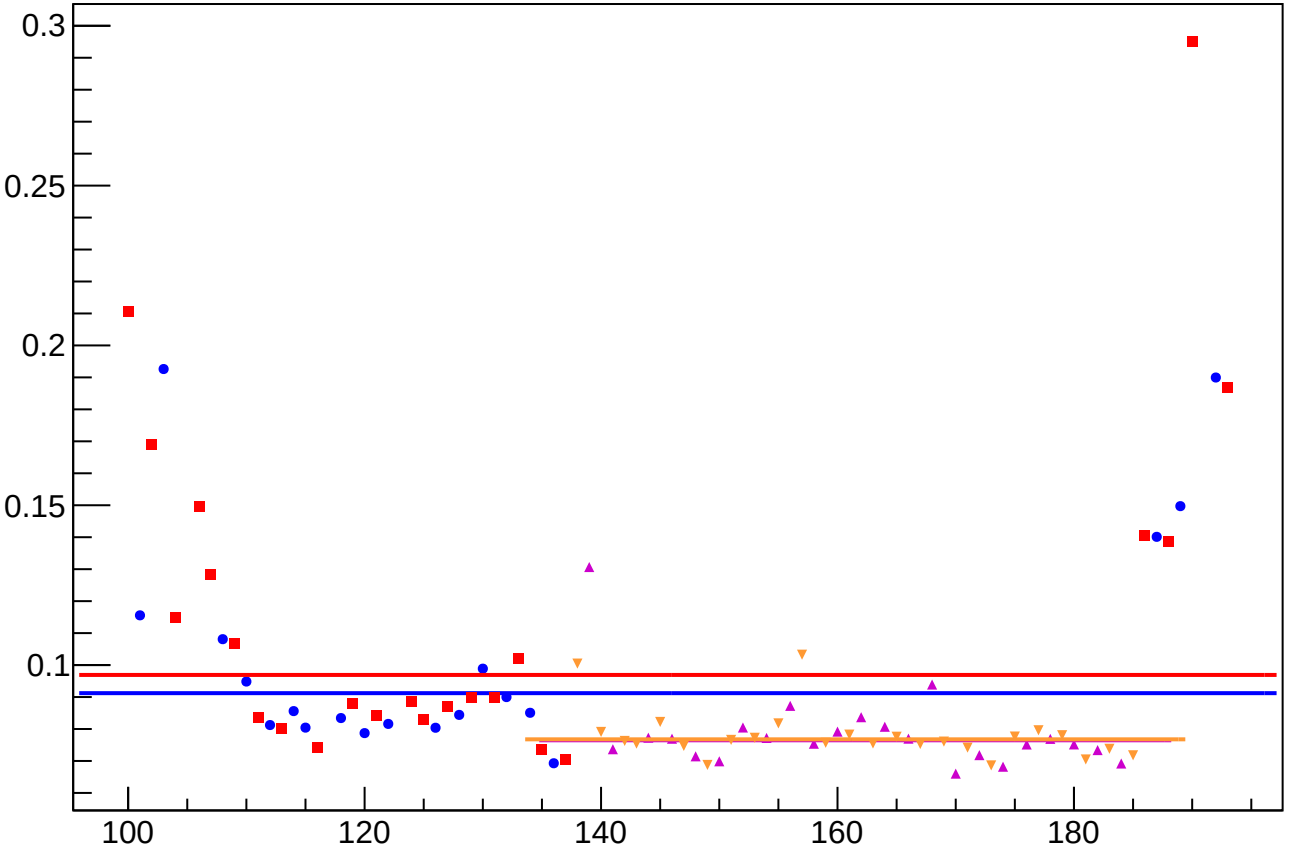
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.376+/-0.000 χ^2/NDF: 1766371864.8/43

All: 32.390+/-0.000 χ^2/NDF: 2686217055.9/8

- sign 32.405+/-0.000 χ^2/NDF: 918180896.3/45

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: 0.097+/-0.000 χ^2/NDF: 1569289.9/22

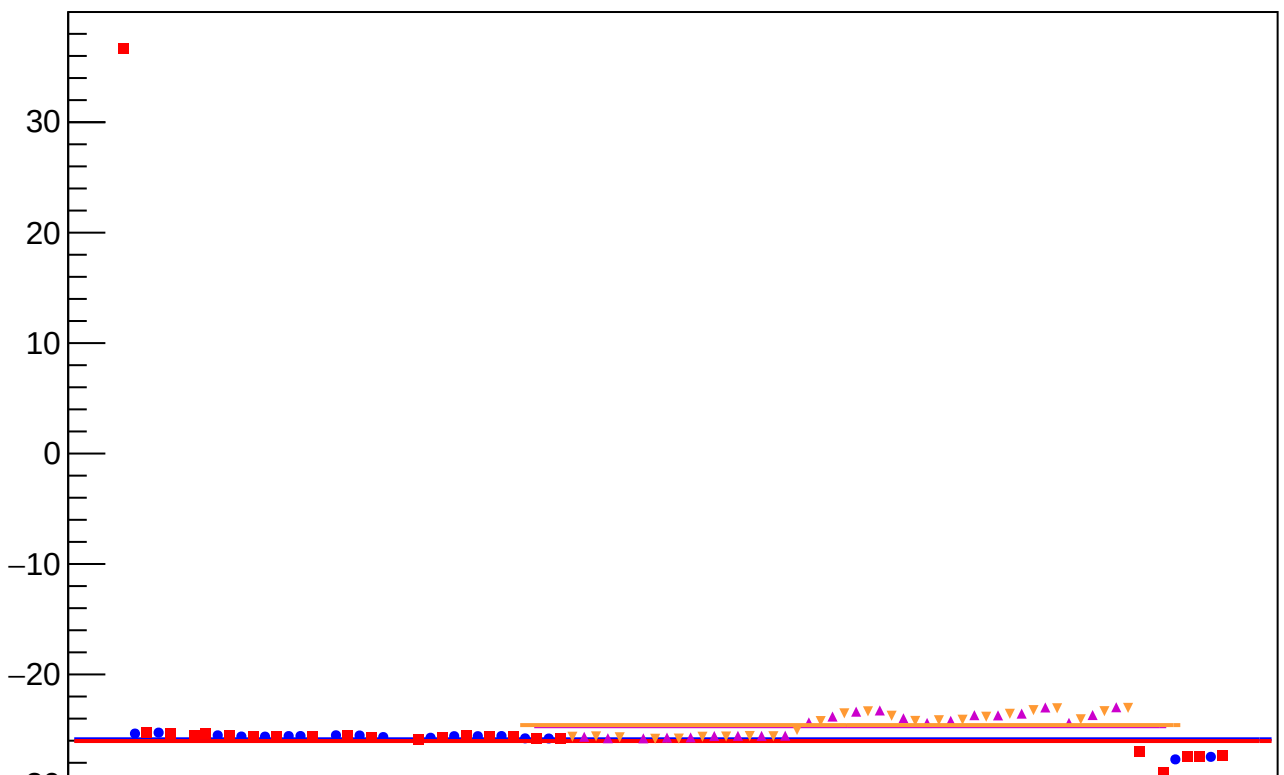
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.080+/-0.000 χ^2/NDF: 1879595.4/43

All: 0.081+/-0.000 χ^2/NDF: 4502304.6/89

- sign 0.081+/-0.000 χ^2/NDF: 2617450.8/45

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: -26.030+/-0.000 χ^2/NDF: 14045589764.8/22

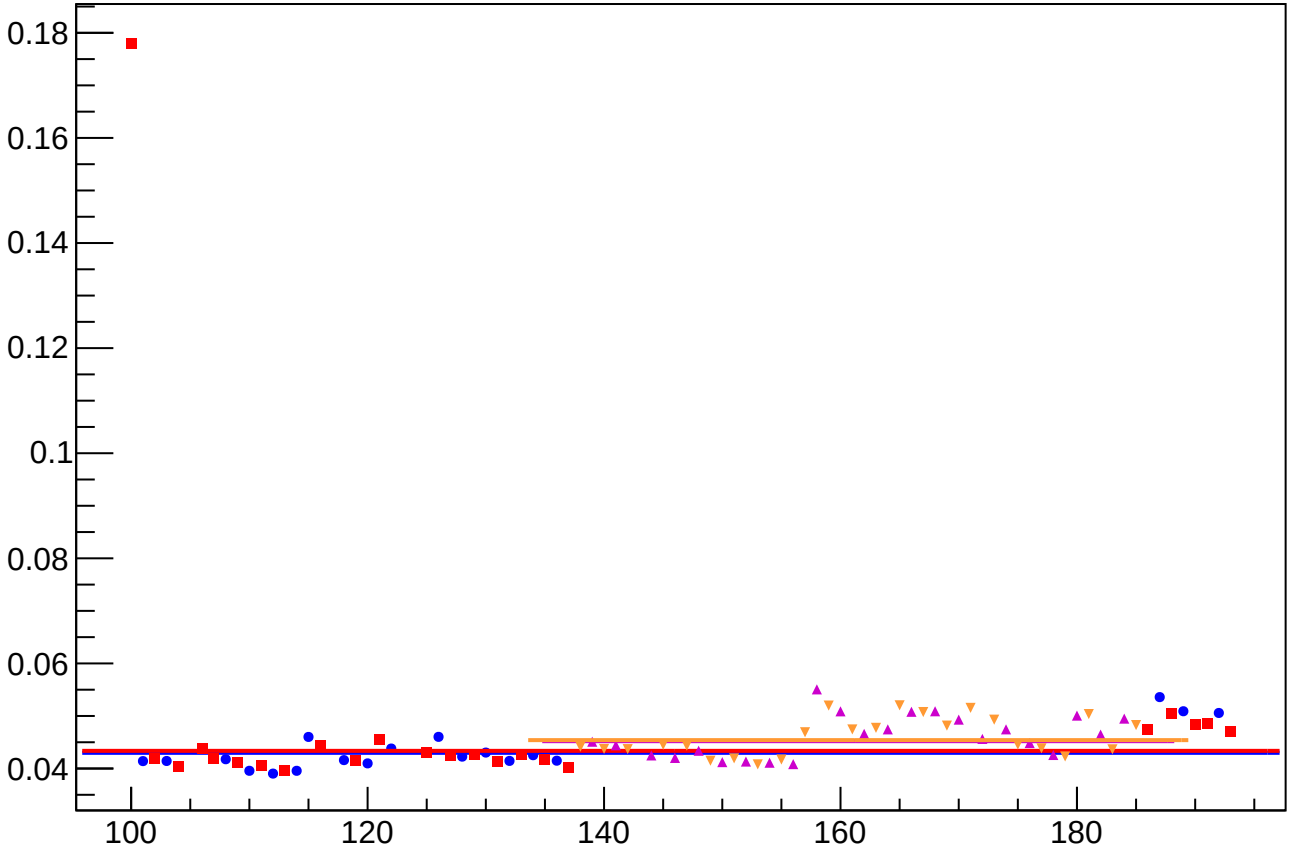
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.040+/-0.000 χ^2/NDF: 17278437367.3/42

All: -25.118+/-0.000 χ^2/NDF: 46207368639.7

- sign -25.194+/-0.000 χ^2/NDF: 28766636009.9/45

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: 183471.9/22

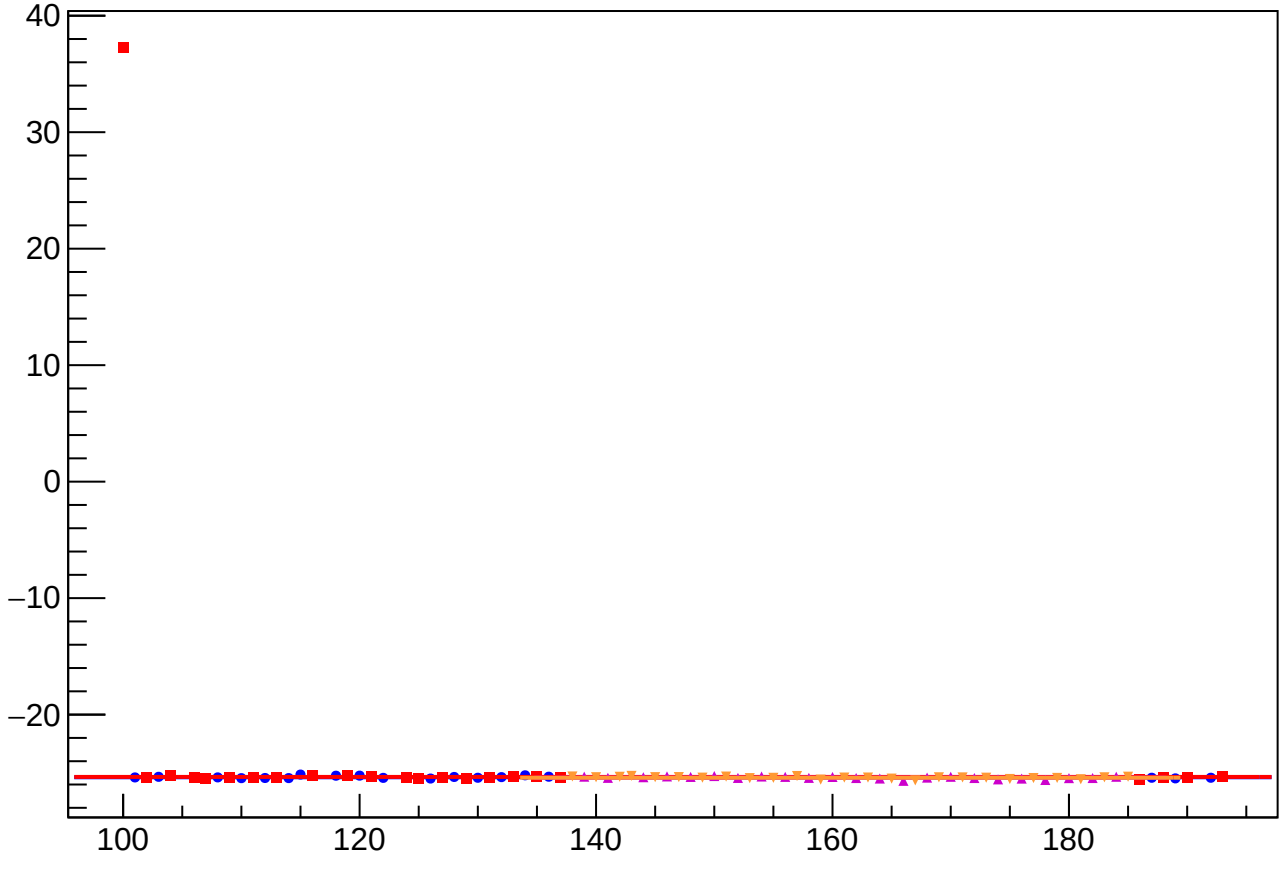
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.045+/-0.000 χ^2/NDF: 357318.9/42

All: 0.045+/-0.000 χ^2/NDF: 807682.2/88

- sign 0.045+/-0.000 χ^2/NDF: 450340.7/45

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: -25.349+/-0.000 χ^2/NDF: 6324813724.3/22

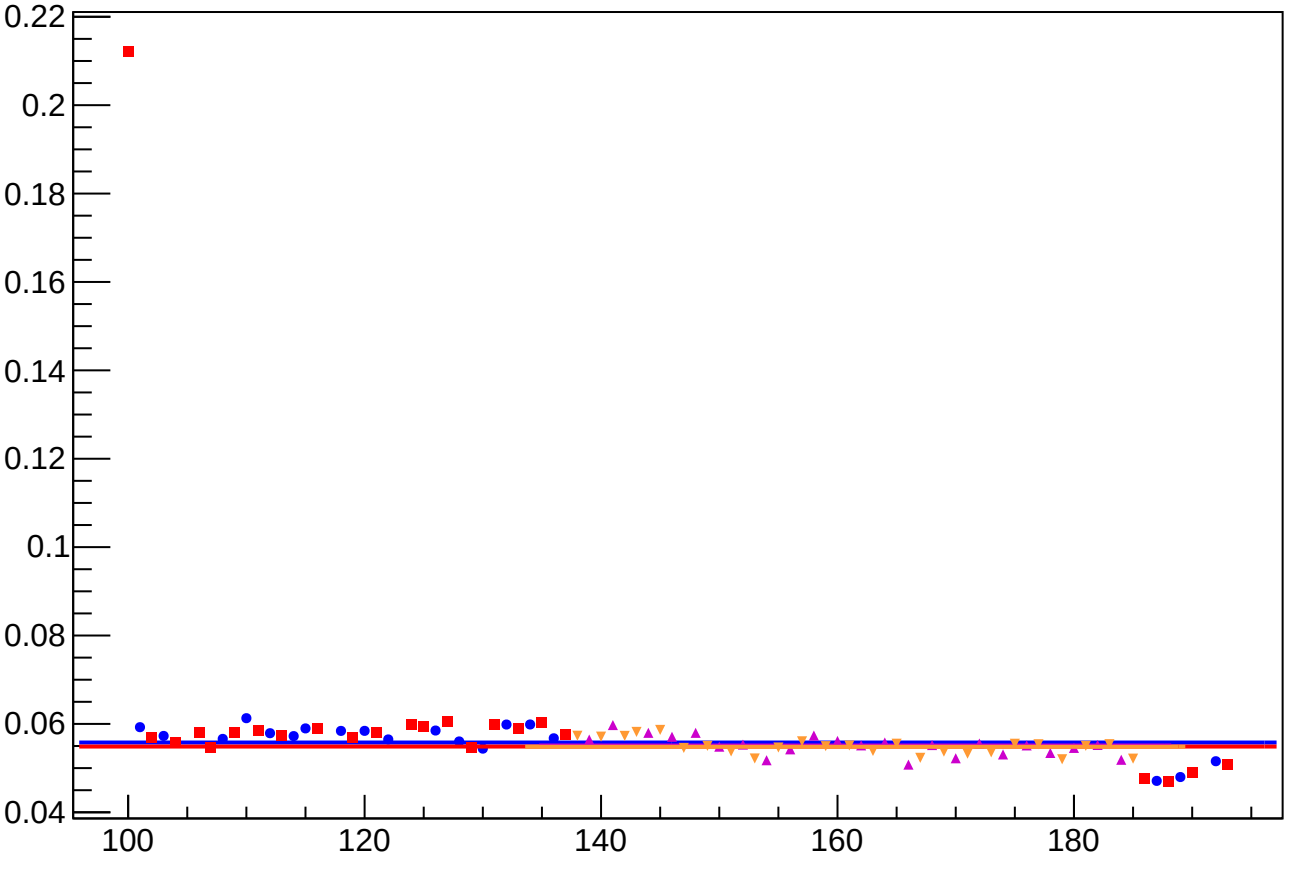
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.405+/-0.000 χ^2/NDF: 71715016.6/43

All: -25.398+/-0.000 χ^2/NDF: 6462149354.8/

- sign -25.391+/-0.000 χ^2/NDF: 6389539183.1/45

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: 222373.9/22

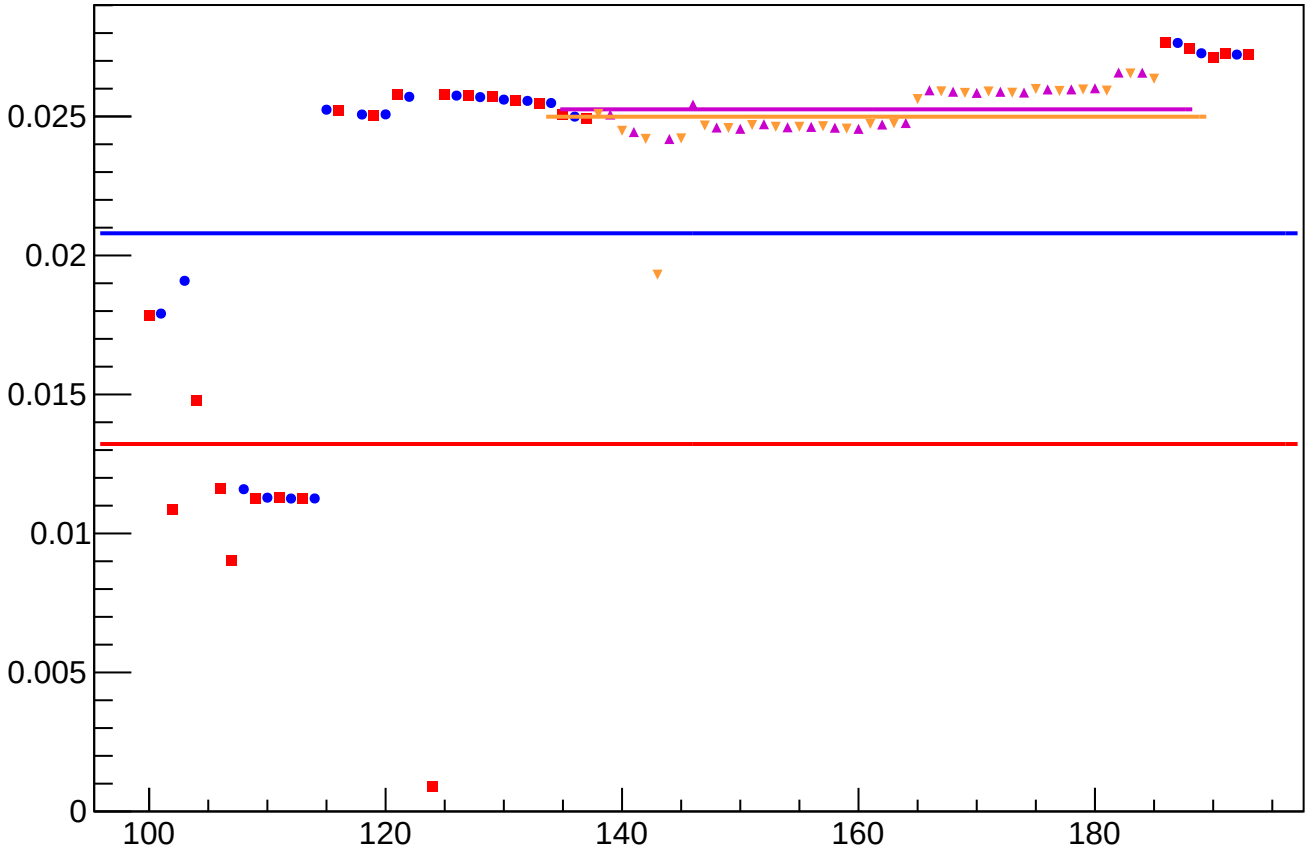
Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.055+/-0.000 χ^2/NDF: 121849.2/43

All: 0.055+/-0.000 χ^2/NDF: 396053.2/89

- sign 0.055+/-0.000 χ^2/NDF: 274128.6/45

yield_atl1_mean vs Slug



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: 325123930192.5/23

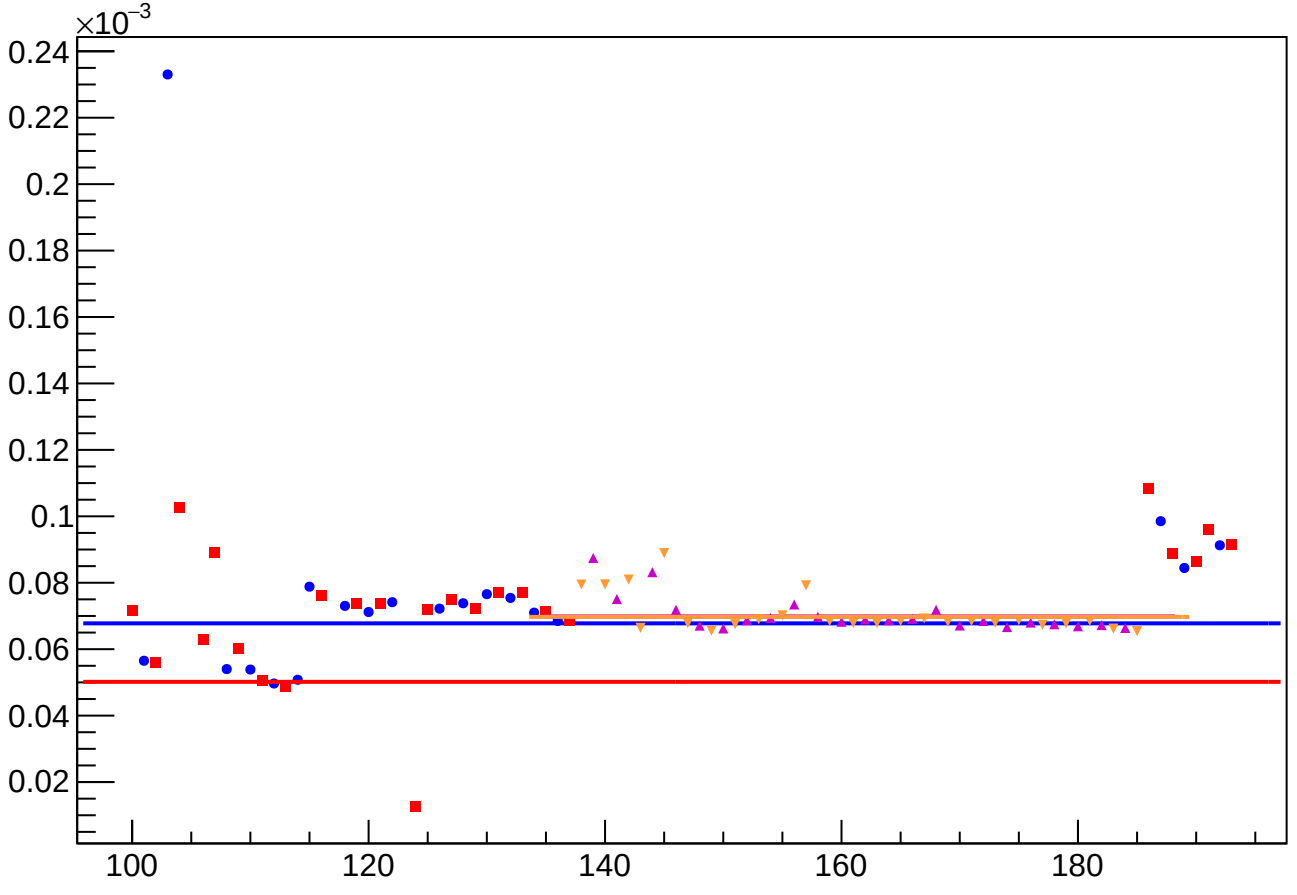
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 101609915512.1/43

All: 0.022+/-0.000 χ^2/NDF: 701722928048.9

- sign 0.020+/-0.000 χ^2/NDF: 559349146373.9/46

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

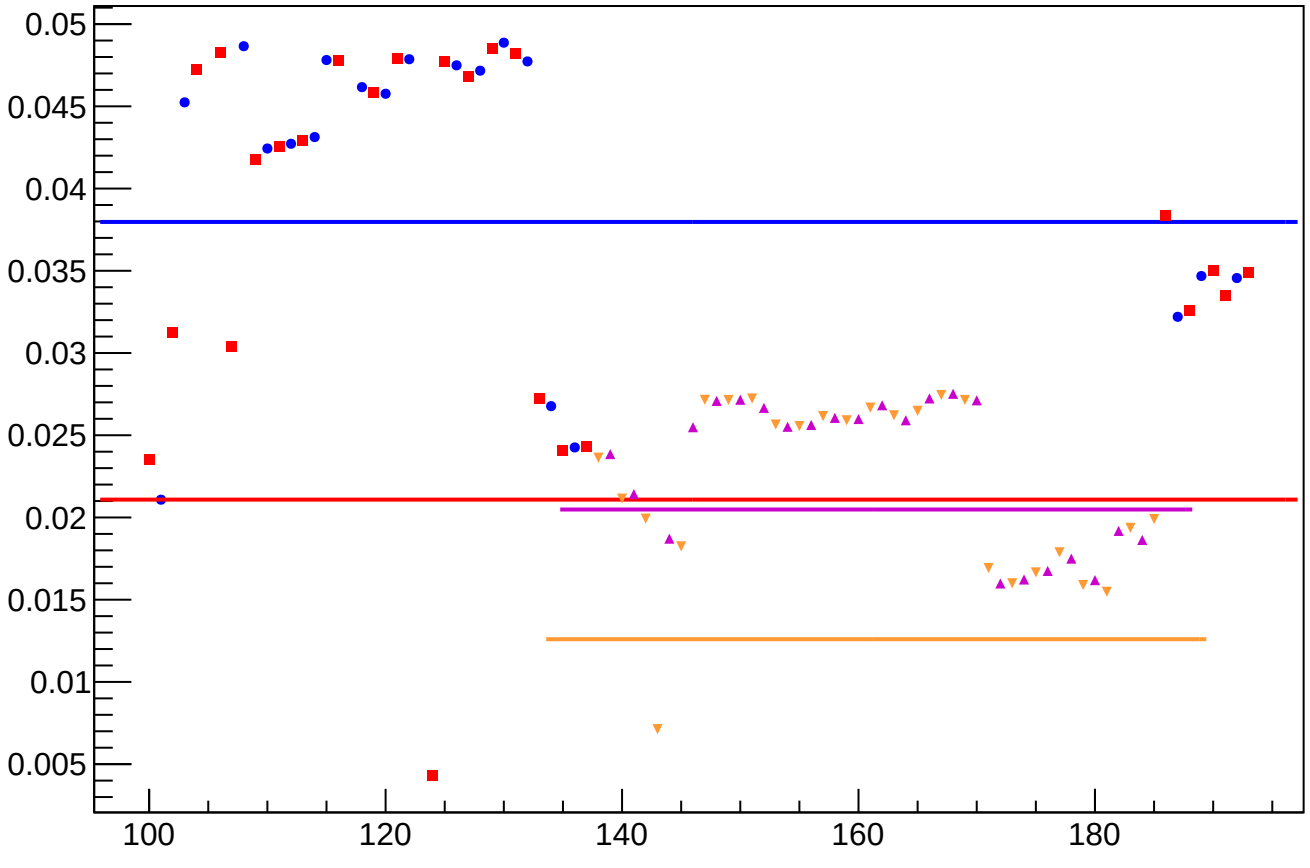
Right Out: 0.000+/-0.000 χ^2/NDF: 5042588.9/23

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: 8055223.9/90

- sign 0.000+/-0.000 χ^2/NDF: 6439554.0/46



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: 43966226076.6/23

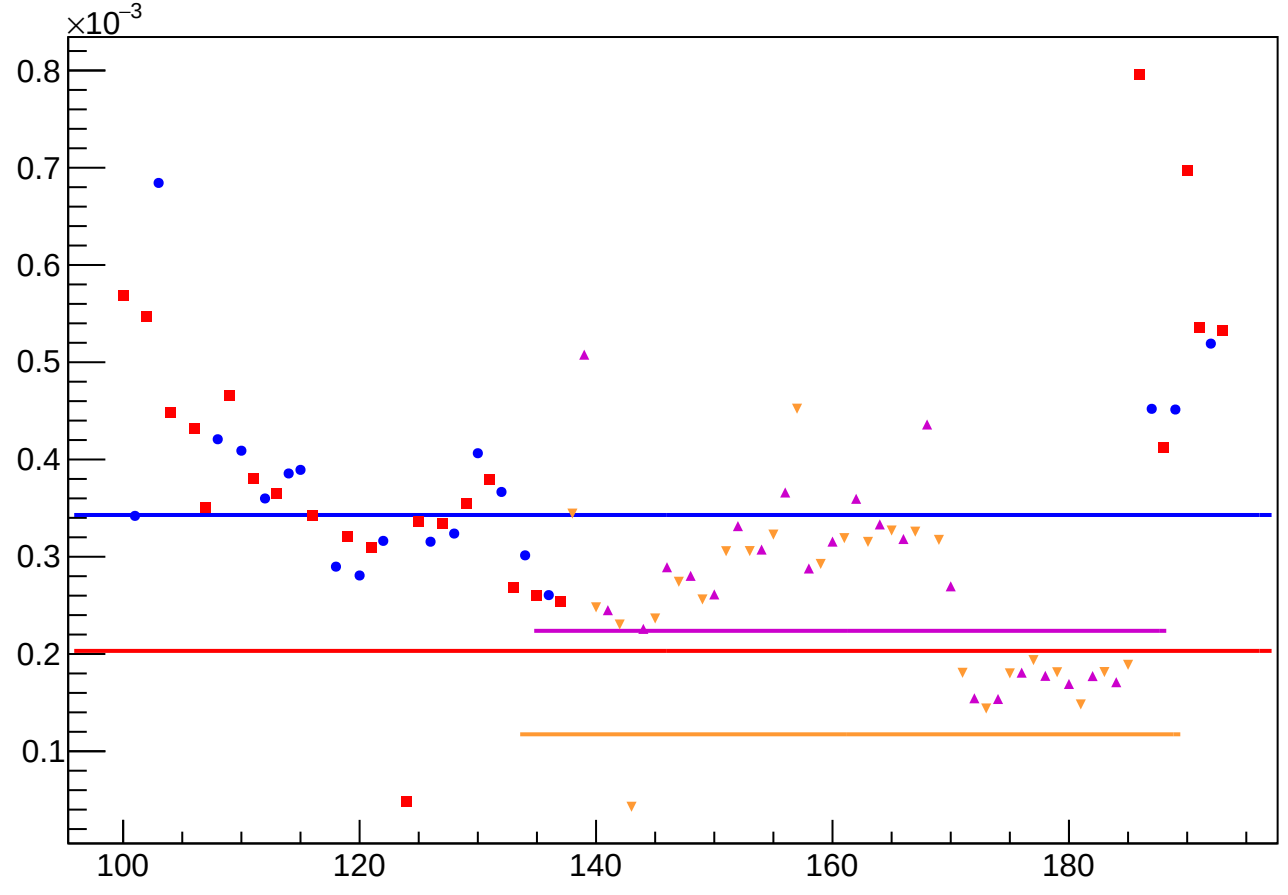
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 83536578062.3/43

All: 0.017+/-0.000 χ^2/NDF: 143943144056.9

- sign 0.021+/-0.000 χ^2/NDF: 50099402946.0/46

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: 7784200.0/23

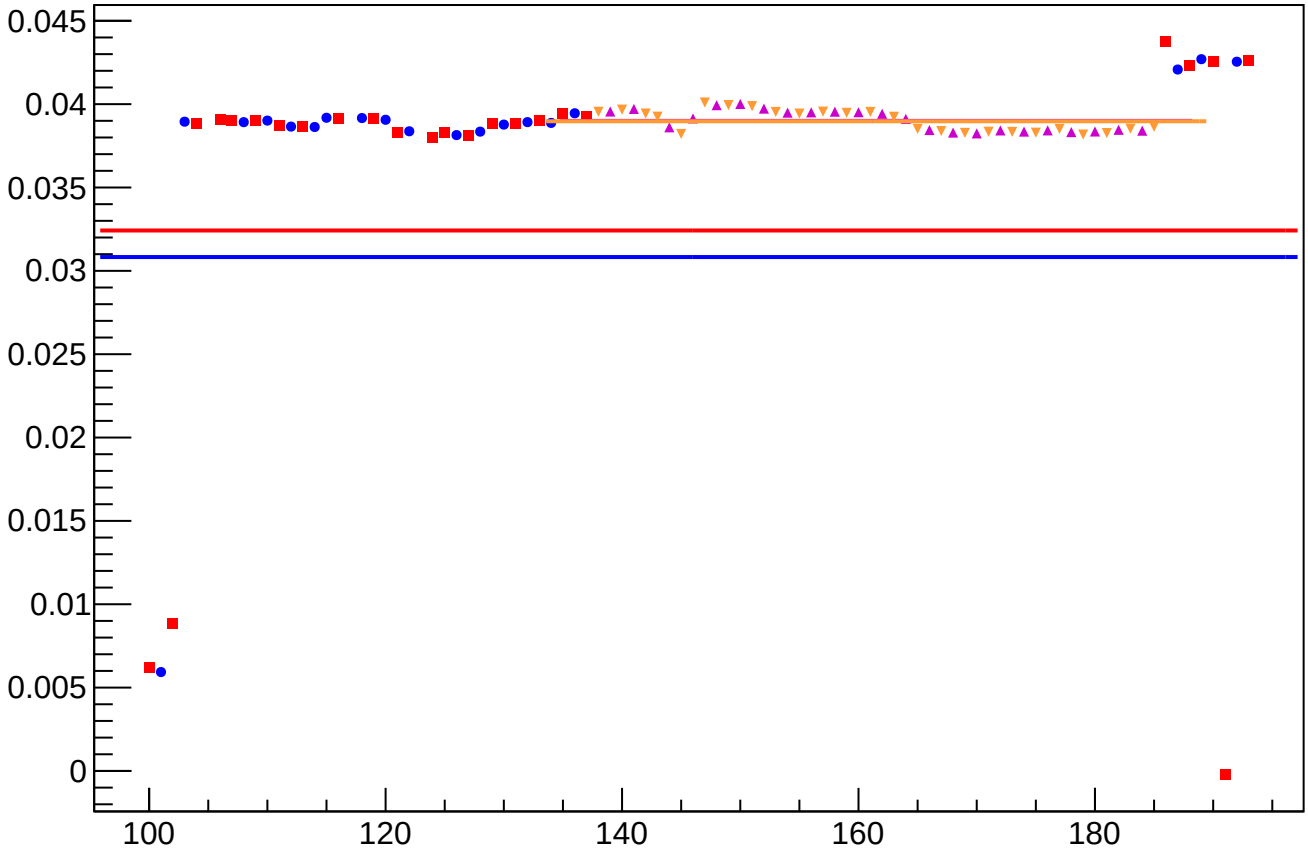
Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 21463656.4/43

All: 0.000+/-0.000 χ^2/NDF: 36524915.7/90

- sign 0.000+/-0.000 χ^2/NDF: 11250620.3/46

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

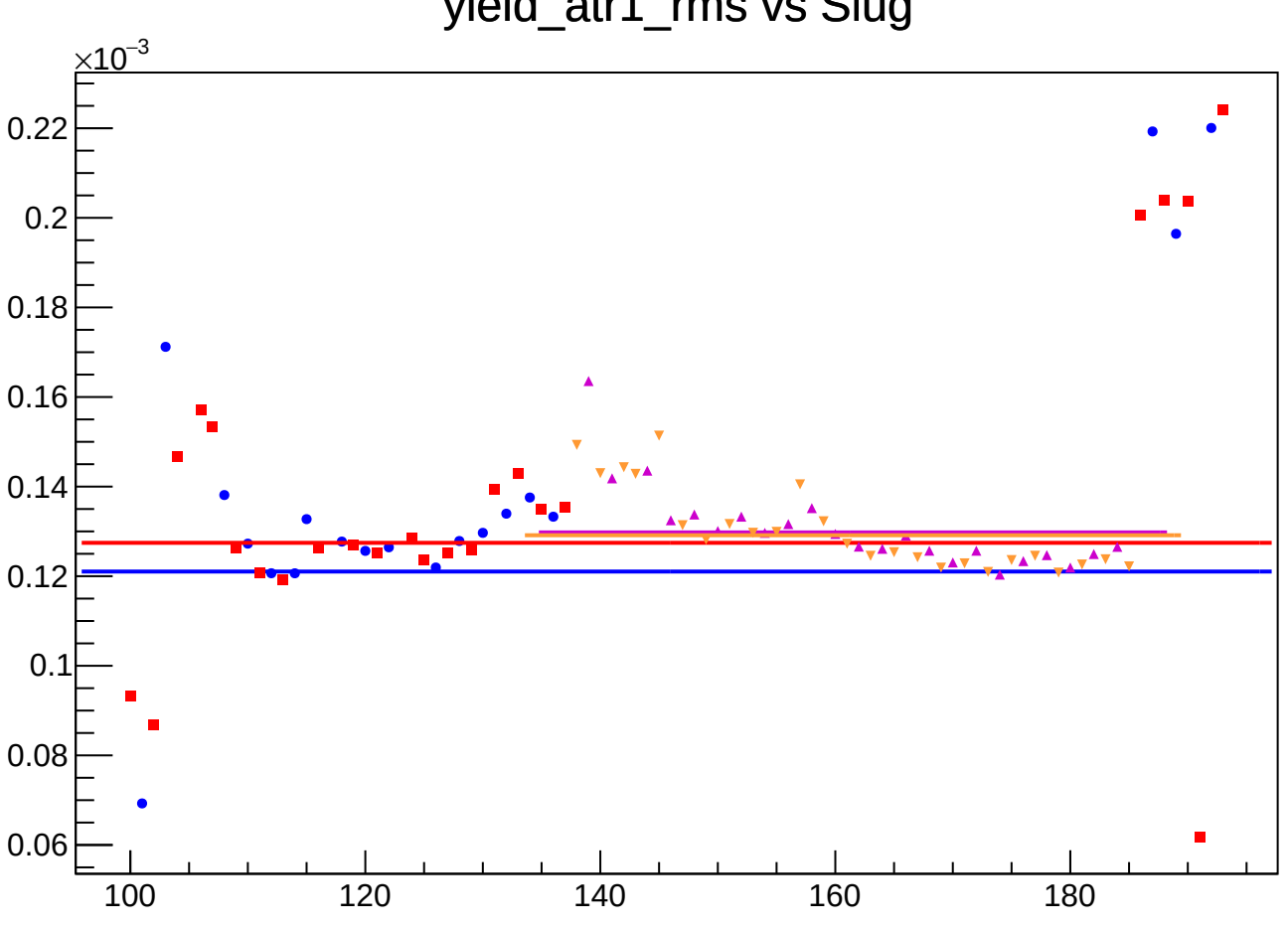
Right Out: 0.032+/-0.000 χ^2/NDF: 108633307617.1/23

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: 263448762436.9

- sign 0.037+/-0.000 χ^2/NDF: 124724137058.1/46



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: 1438677.4/23

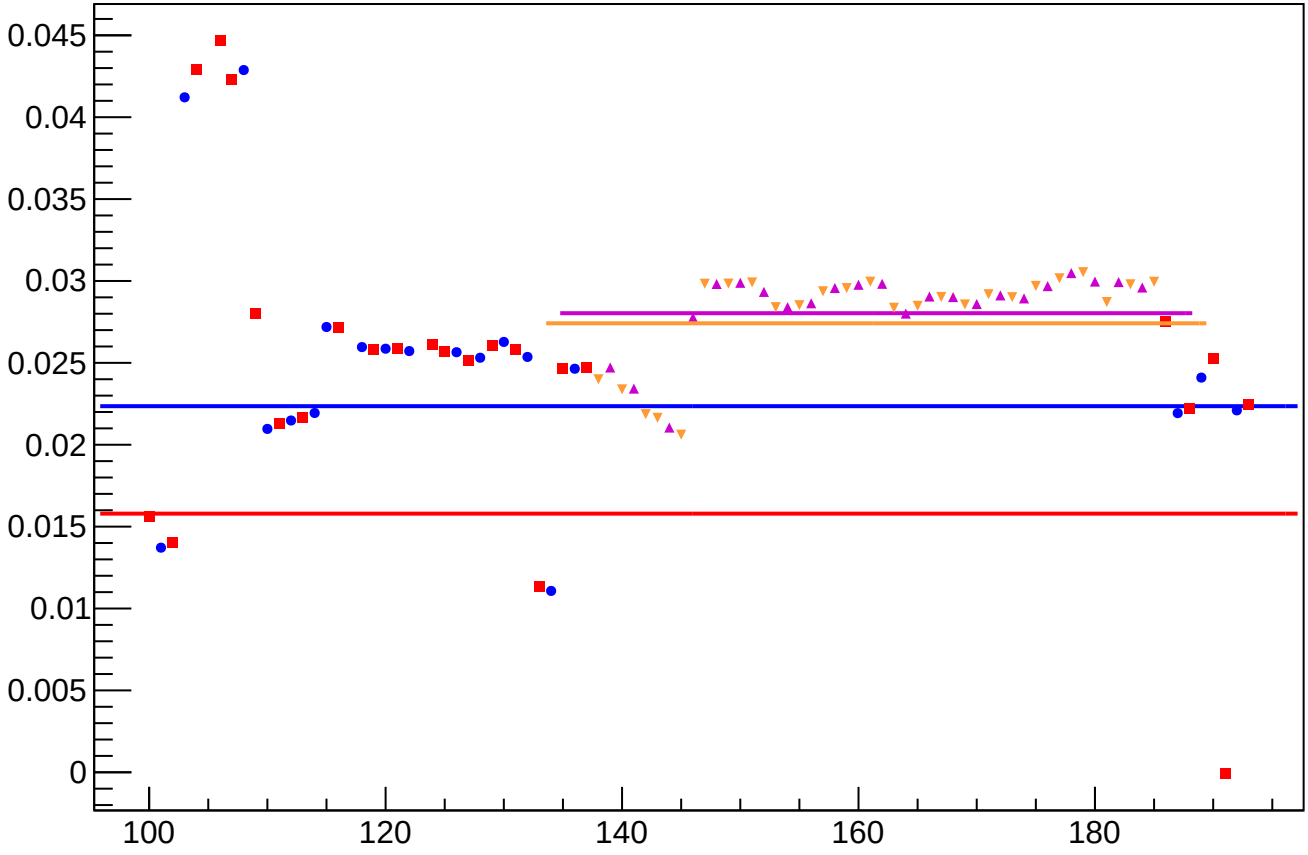
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 1716299.6/43

All: 0.000+/-0.000 χ^2/NDF: 3310722.0/90

- sign 0.000+/-0.000 χ^2/NDF: 1584420.1/46

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: 24751240722.3/23

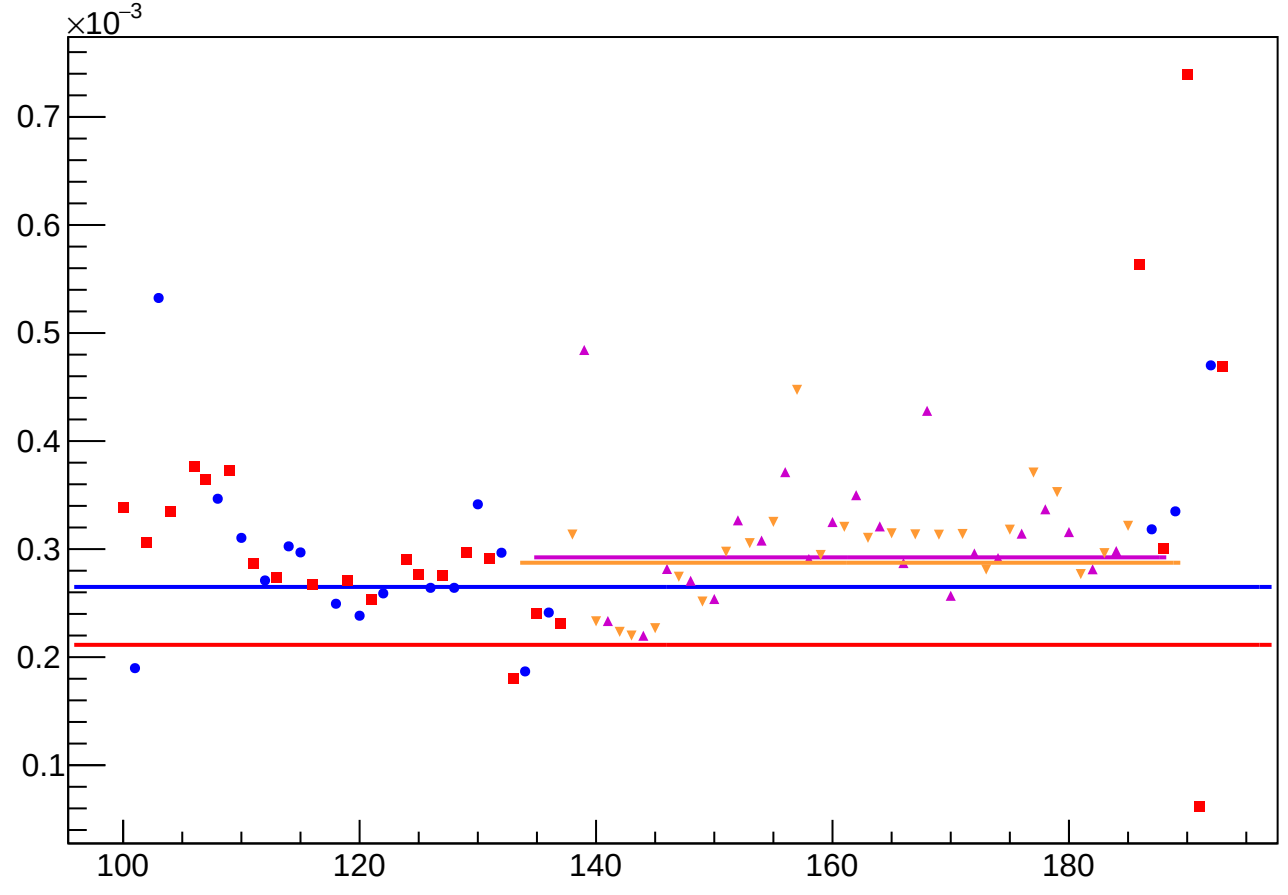
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9081217546.0/43

All: 0.024+/-0.000 χ^2/NDF: 49752739579.0/9

- sign 0.023+/-0.000 χ^2/NDF: 39087822832.8/46

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

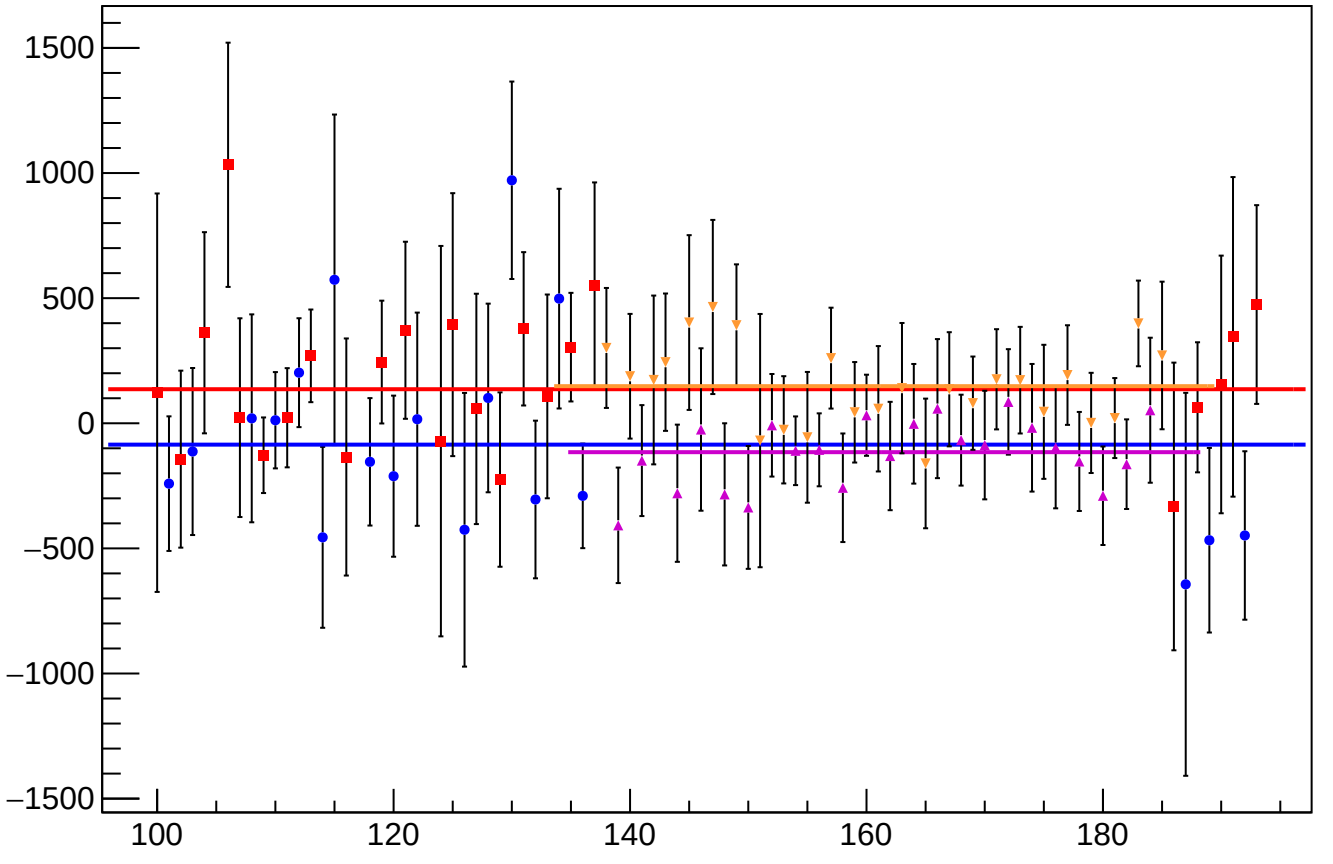
Right Out: 0.000+/-0.000 χ^2/NDF: 4564711.4/23

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: 8883605.7/90

- sign 0.000+/-0.000 χ^2/NDF: 6660121.3/46



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: 136.116+/-63.724 χ^2/NDF: 14.5/23

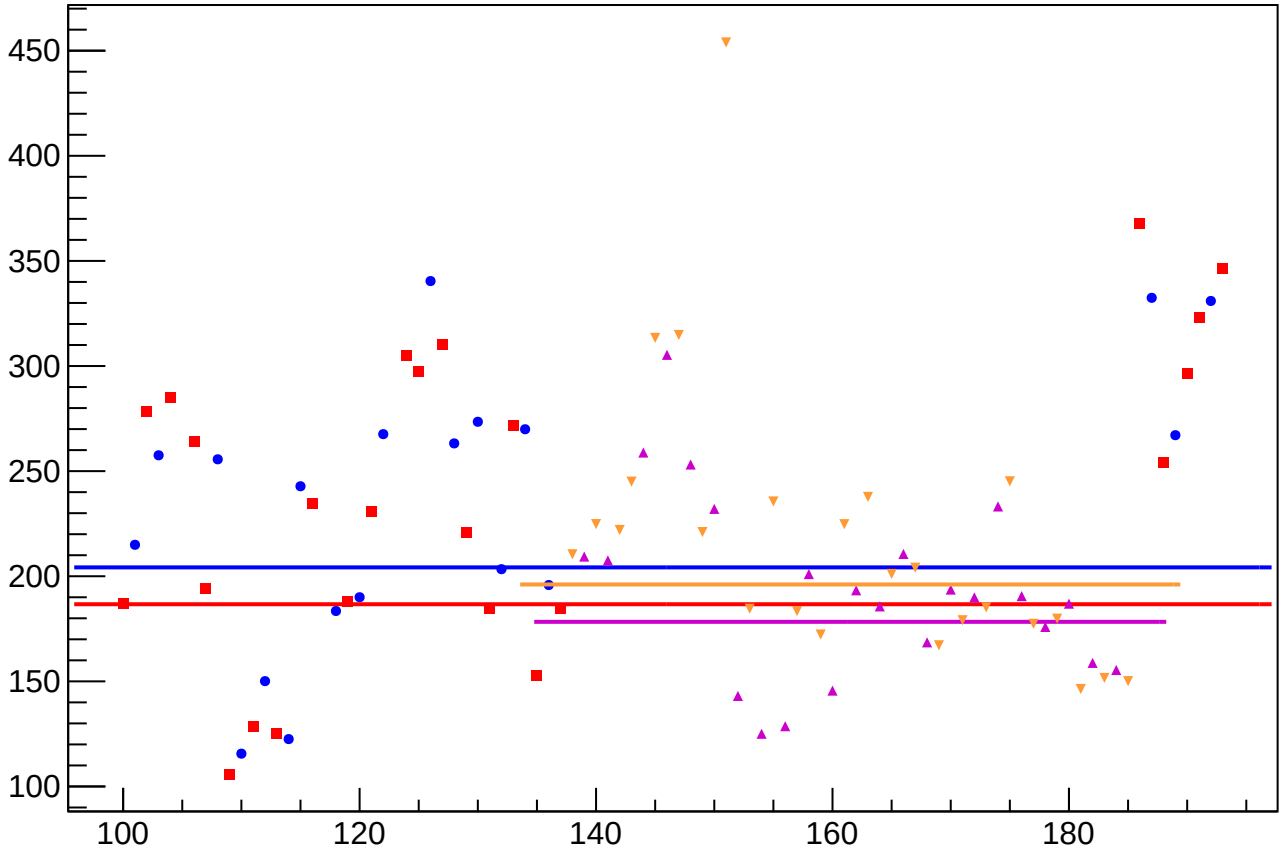
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 80.793+/-38.977 χ^2/NDF: 36.3/43

All: 18.067+/-26.432 χ^2/NDF: 73.9/90

- sign -35.340+/-35.965 χ^2/NDF: 32.9/46

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

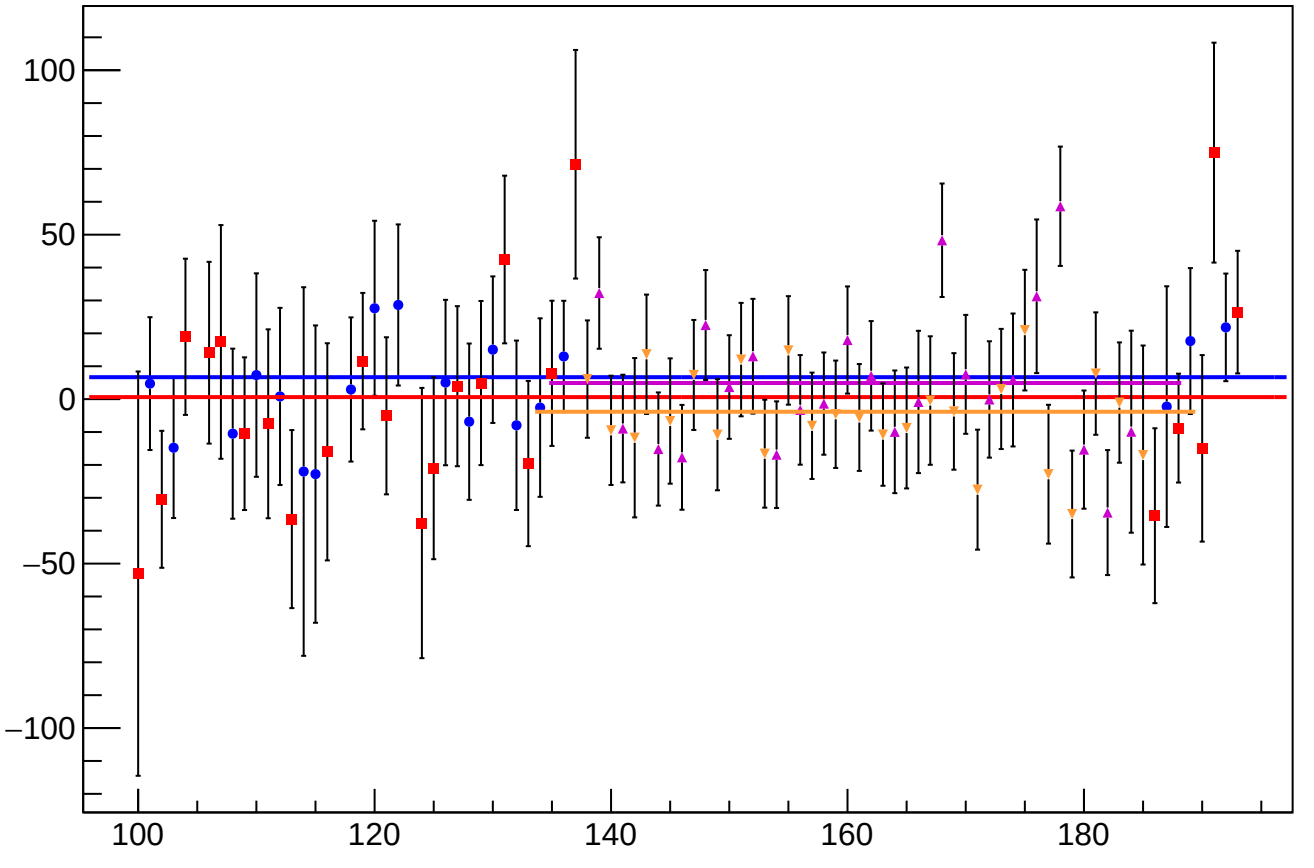
Right Out: 186.686+/-0.045 χ^2/NDF: 2596568.4/23

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

\+ sign 198.435+/-0.028 χ^2/NDF: 3319915.9/43

All: 189.009+/-0.019 χ^2/NDF: 7834884.6/90

\- sign 180.983+/-0.025 χ^2/NDF: 4298407.3/46



Right In: 6.674+/-5.524 χ^2/NDF: 5.9/18

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

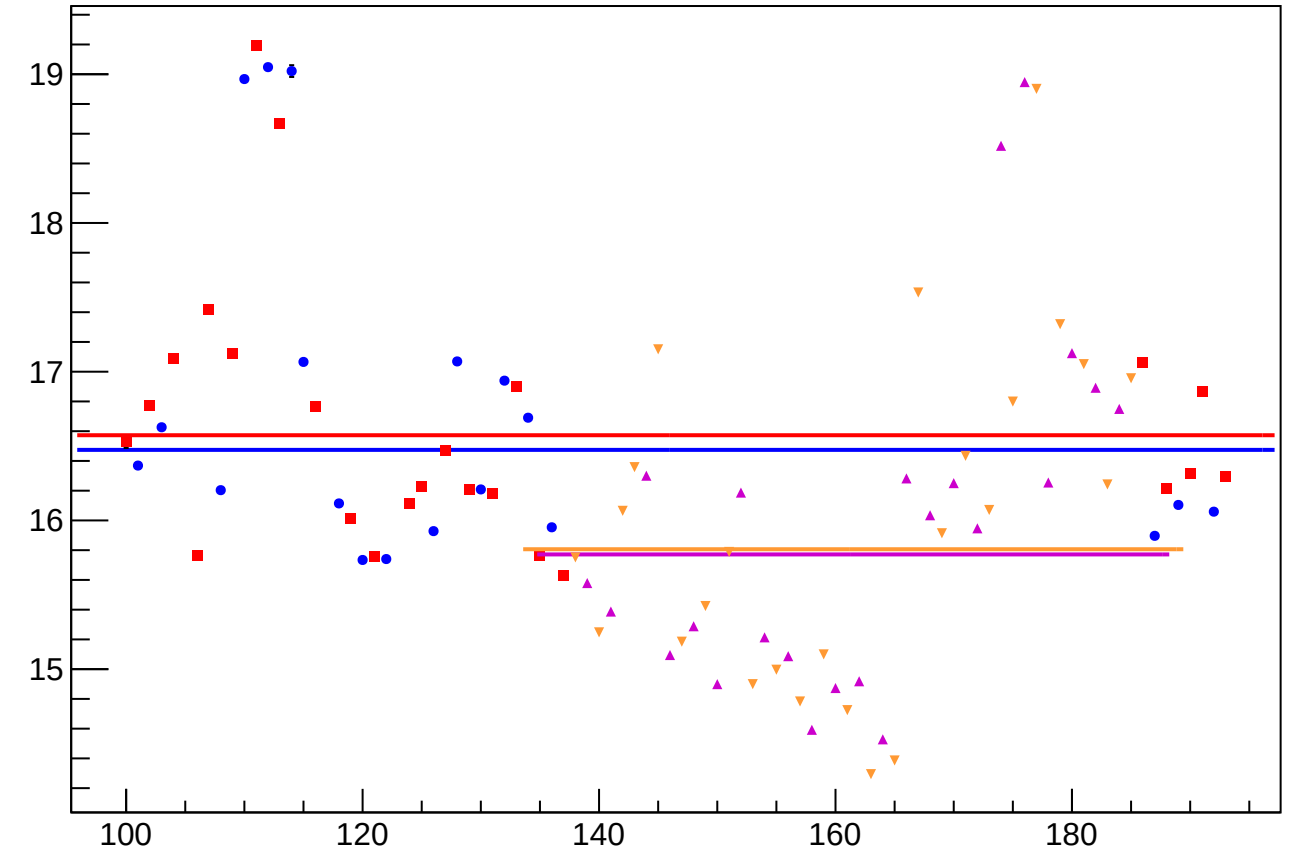
Right Out: 0.619+/-5.187 χ^2/NDF: 25.3/23

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

\+ sign -0.699+/-3.018 χ^2/NDF: 21.2/43

All: 1.387+/-2.131 χ^2/NDF: 81.8/90

\- sign 3.461+/-3.010 χ^2/NDF: 59.6/46



Right In: 16.474+/-0.004 χ^2/NDF: 47492.4/18

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

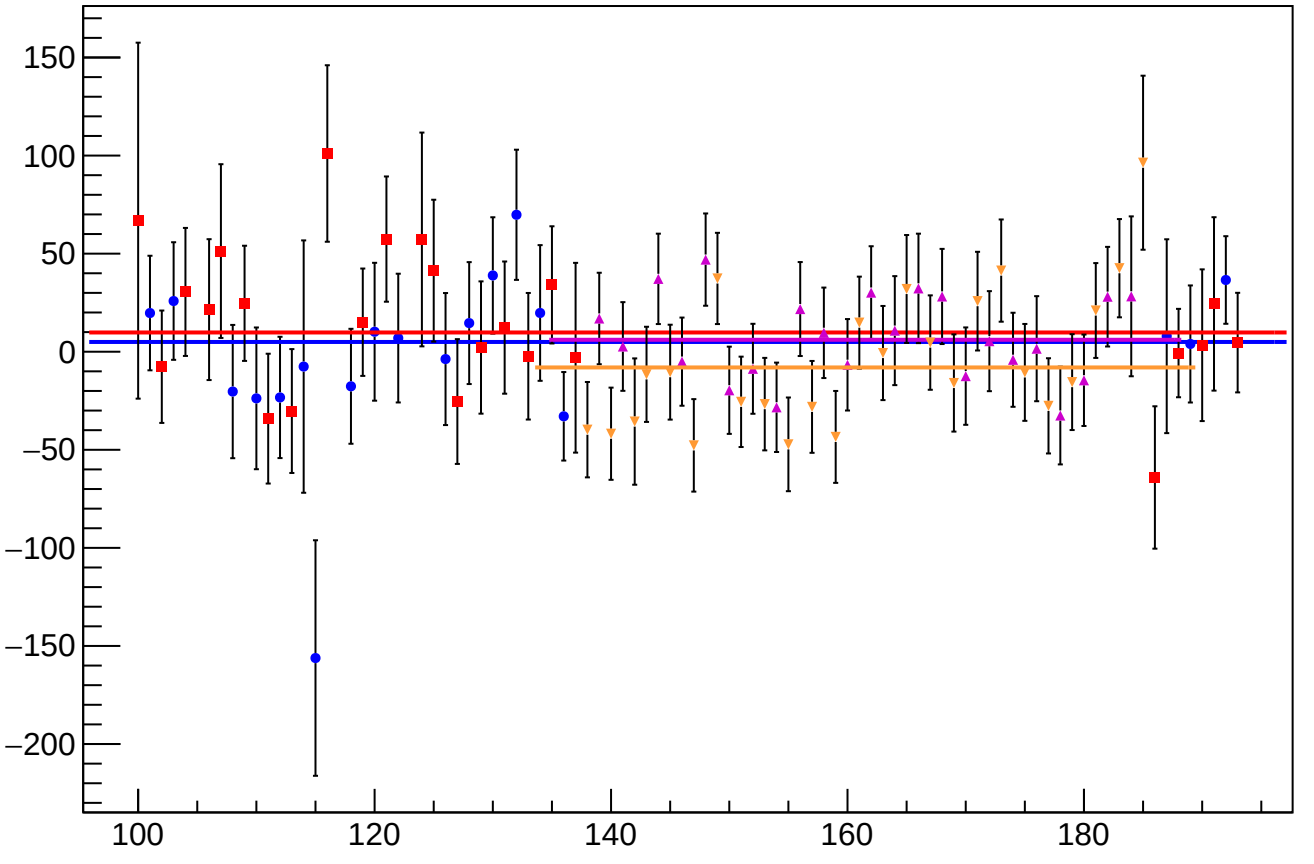
Right Out: 16.573+/-0.004 χ^2/NDF: 46003.8/23

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

\+ sign 16.006+/-0.002 χ^2/NDF: 240666.7/43

All: 16.023+/-0.002 χ^2/NDF: 470616.7/90

\- sign 16.041+/-0.002 χ^2/NDF: 229810.7/46



Right In: 4.977+/-7.315 χ^2/NDF: 20.9/18

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: 9.814+/-6.857 χ^2/NDF: 20.4/23

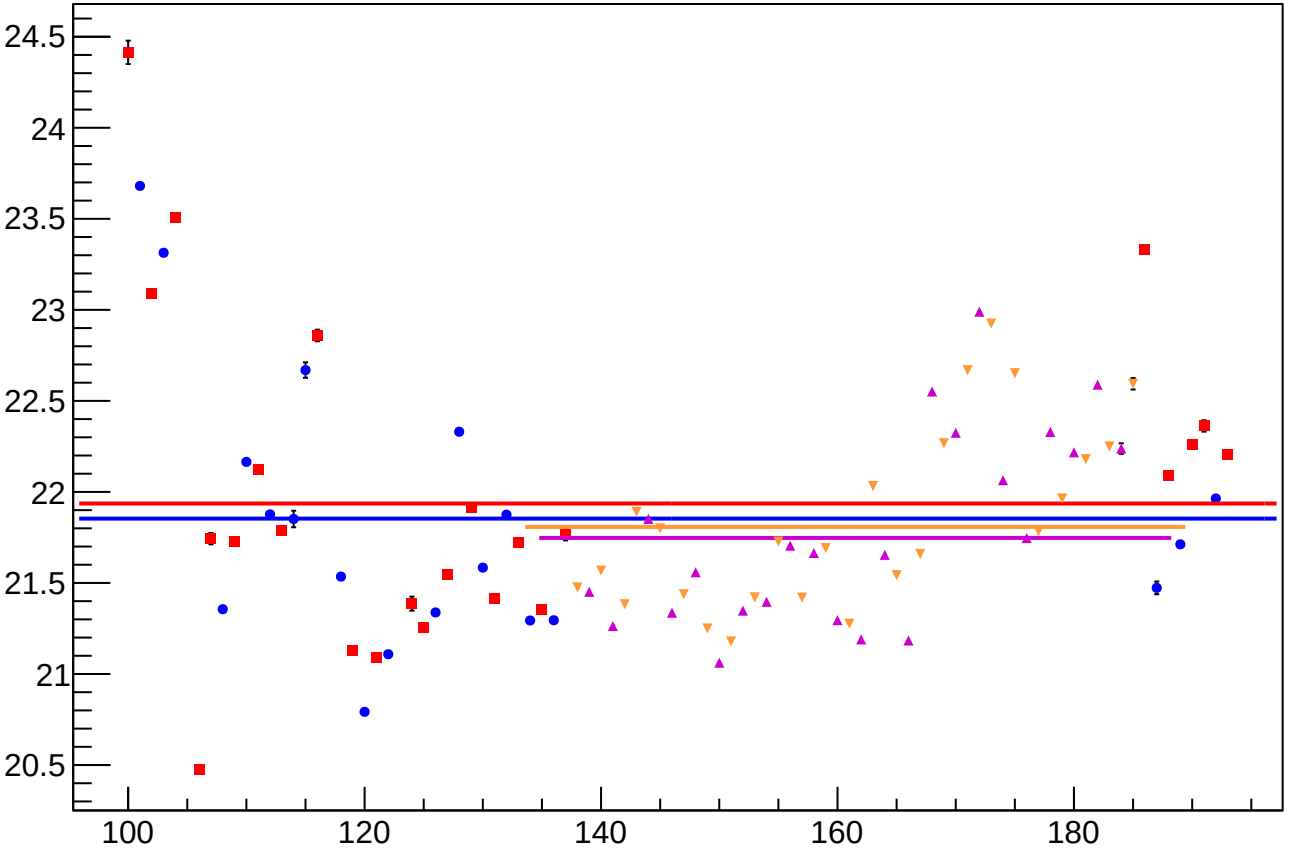
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

+ sign -3.928+/-4.103 χ^2/NDF: 61.9/43

All: 1.769+/-2.894 χ^2/NDF: 104.2/90

- sign 7.407+/-4.082 χ^2/NDF: 38.4/46

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.853+/-0.005 χ^2/NDF: 19681.7/18

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

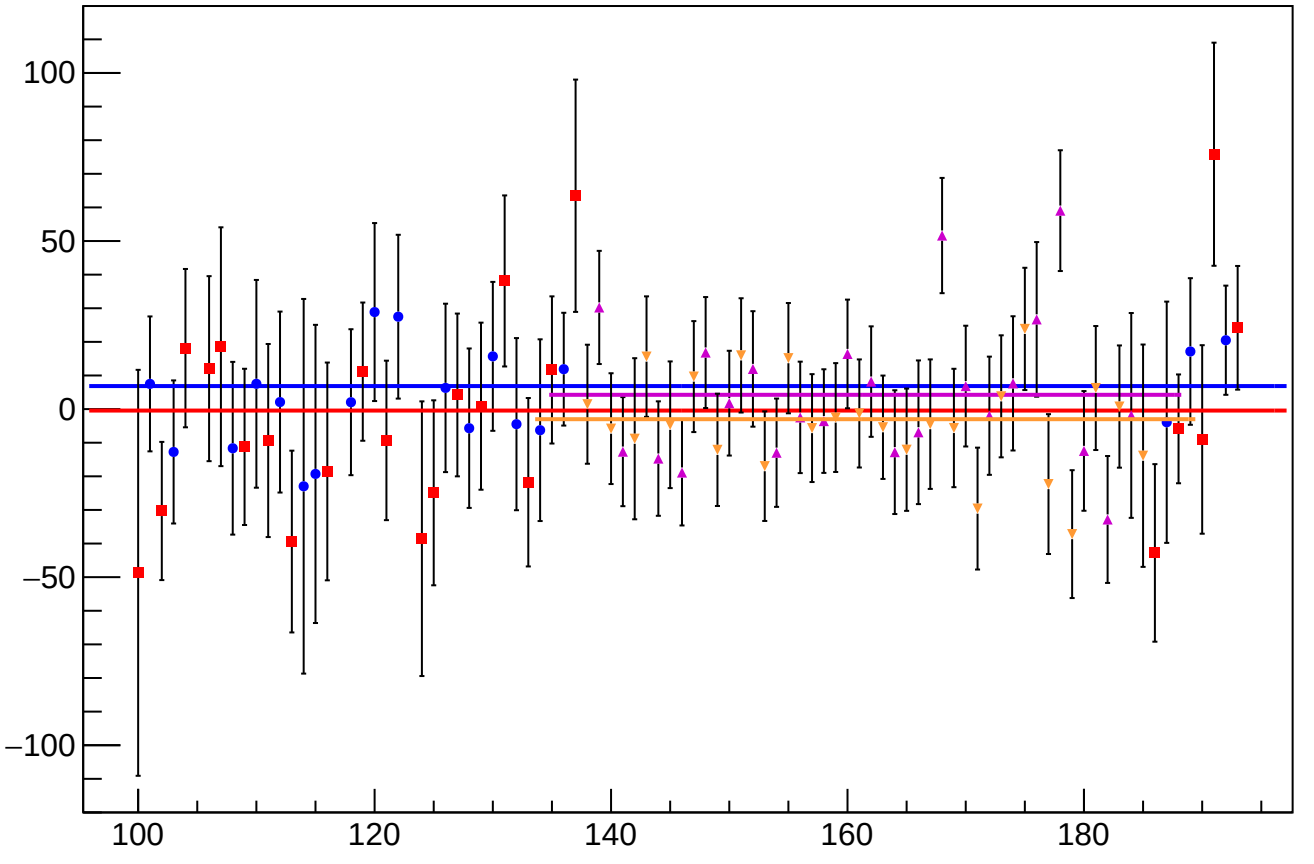
Right Out: 21.936+/-0.005 χ^2/NDF: 23081.4/23

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.822+/-0.003 χ^2/NDF: 37296.3/43

All: 21.818+/-0.002 χ^2/NDF: 81924.8/90

- sign 21.814+/-0.003 χ^2/NDF: 44624.9/46



Right In: 6.852+/-5.487 χ^2/NDF: 5.5/18

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

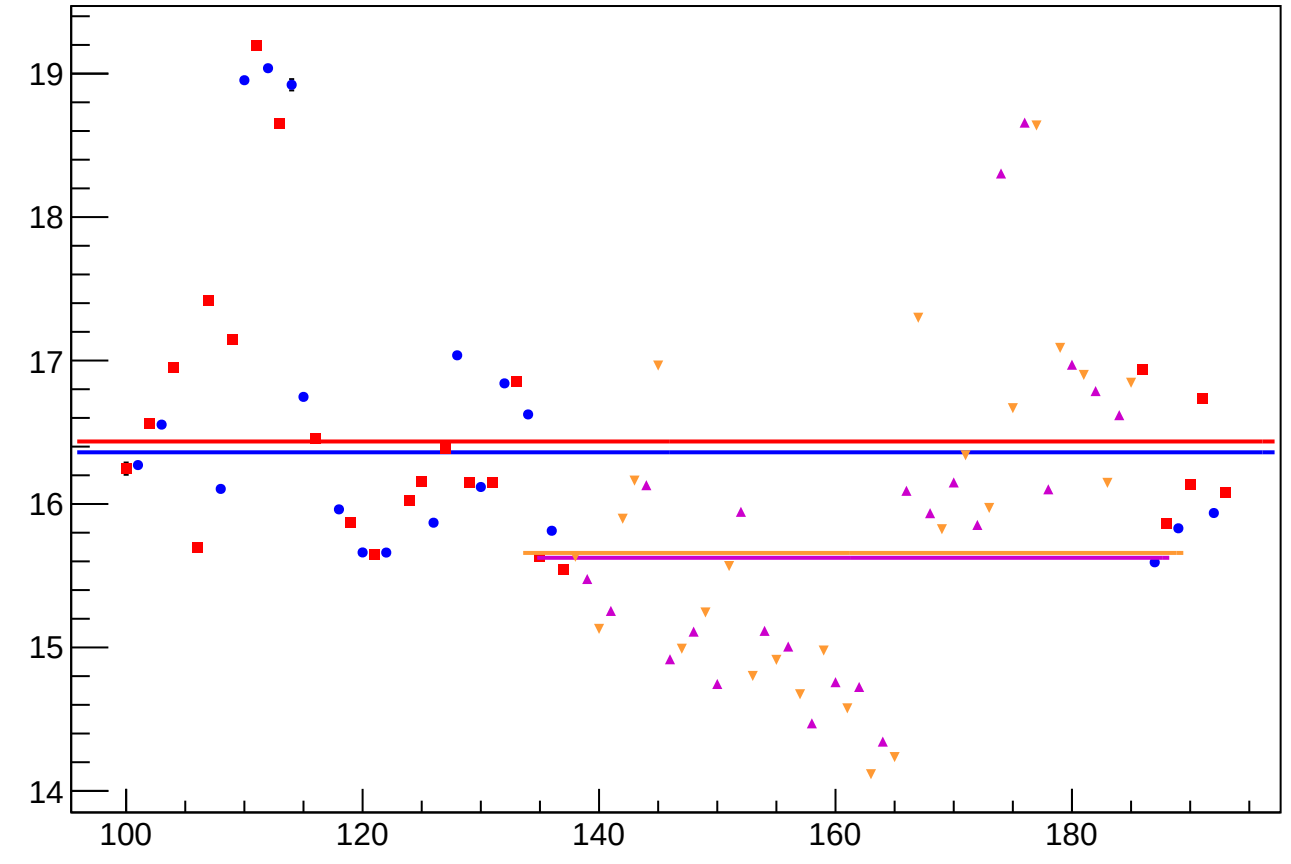
Right Out: -0.434+/-5.145 χ^2/NDF: 25.3/23

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign -0.073+/-2.992 χ^2/NDF: 22.4/43

All: 1.305+/-2.112 χ^2/NDF: 82.5/90

- sign 2.675+/-2.983 χ^2/NDF: 59.7/46



Right In: 16.360+/-0.004 χ^2/NDF: 51462.8/18

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

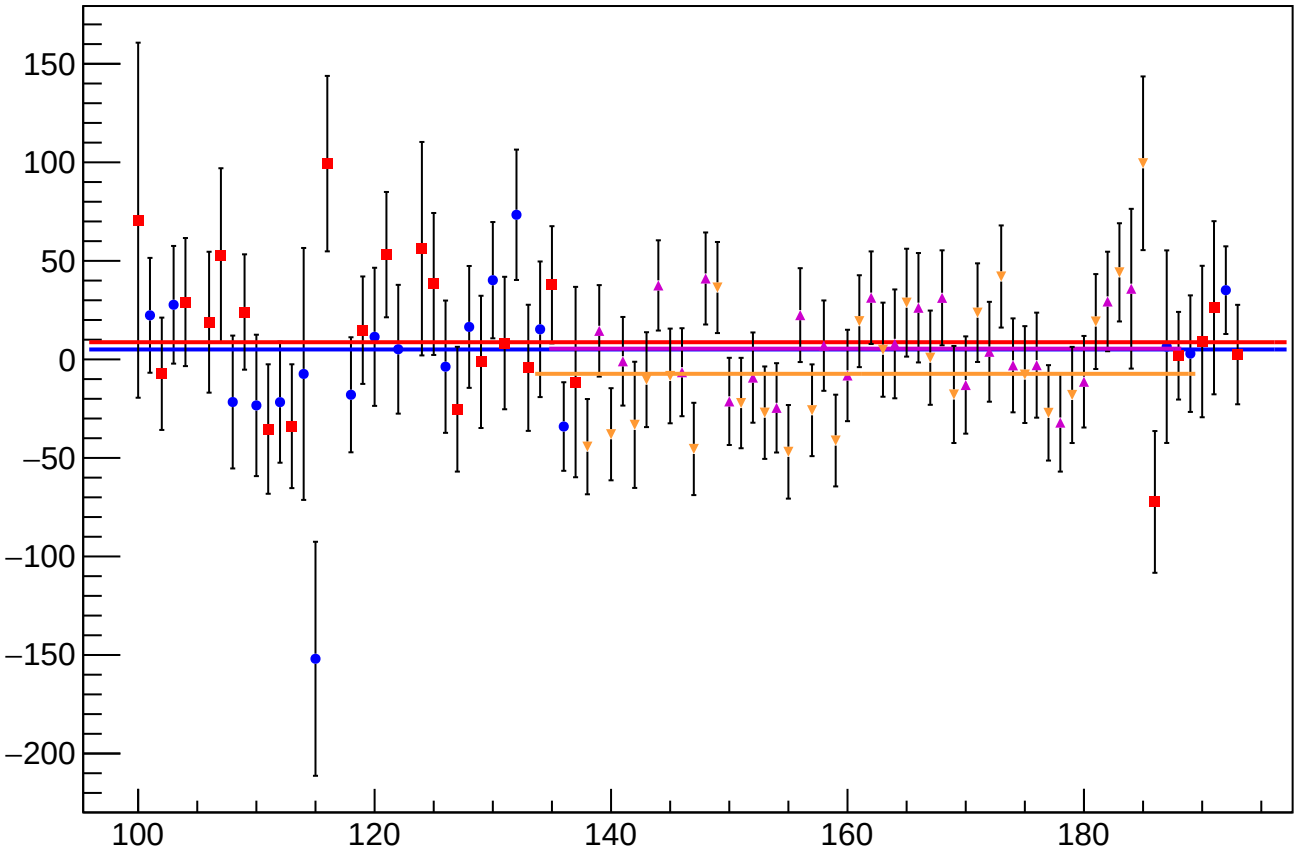
Right Out: 16.436+/-0.004 χ^2/NDF: 51319.2/23

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

\+ sign 15.867+/-0.002 χ^2/NDF: 244269.9/43

All: 15.883+/-0.001 χ^2/NDF: 479091.7/90

\- sign 15.897+/-0.002 χ^2/NDF: 234720.7/46



Right In: 5.041+/-7.280 χ^2/NDF: 21.5/18

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

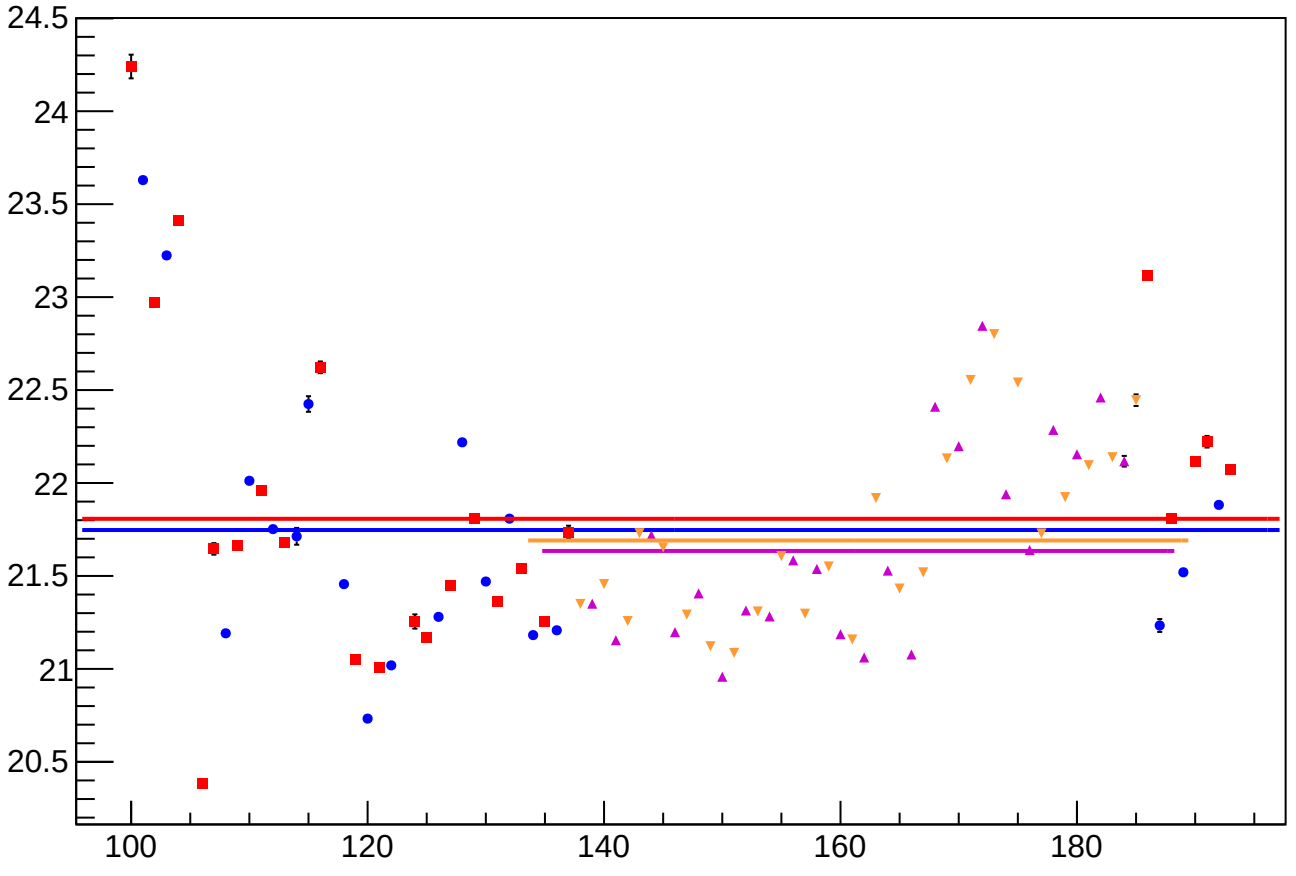
Right Out: 8.722+/-6.816 χ^2/NDF: 21.7/23

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

+ sign -3.433+/-4.082 χ^2/NDF: 62.1/43

All: 1.611+/-2.878 χ^2/NDF: 104.2/90

- sign 6.601+/-4.060 χ^2/NDF: 39.1/46



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: 21.807+/-0.005 χ^2/NDF: 21931.4/23

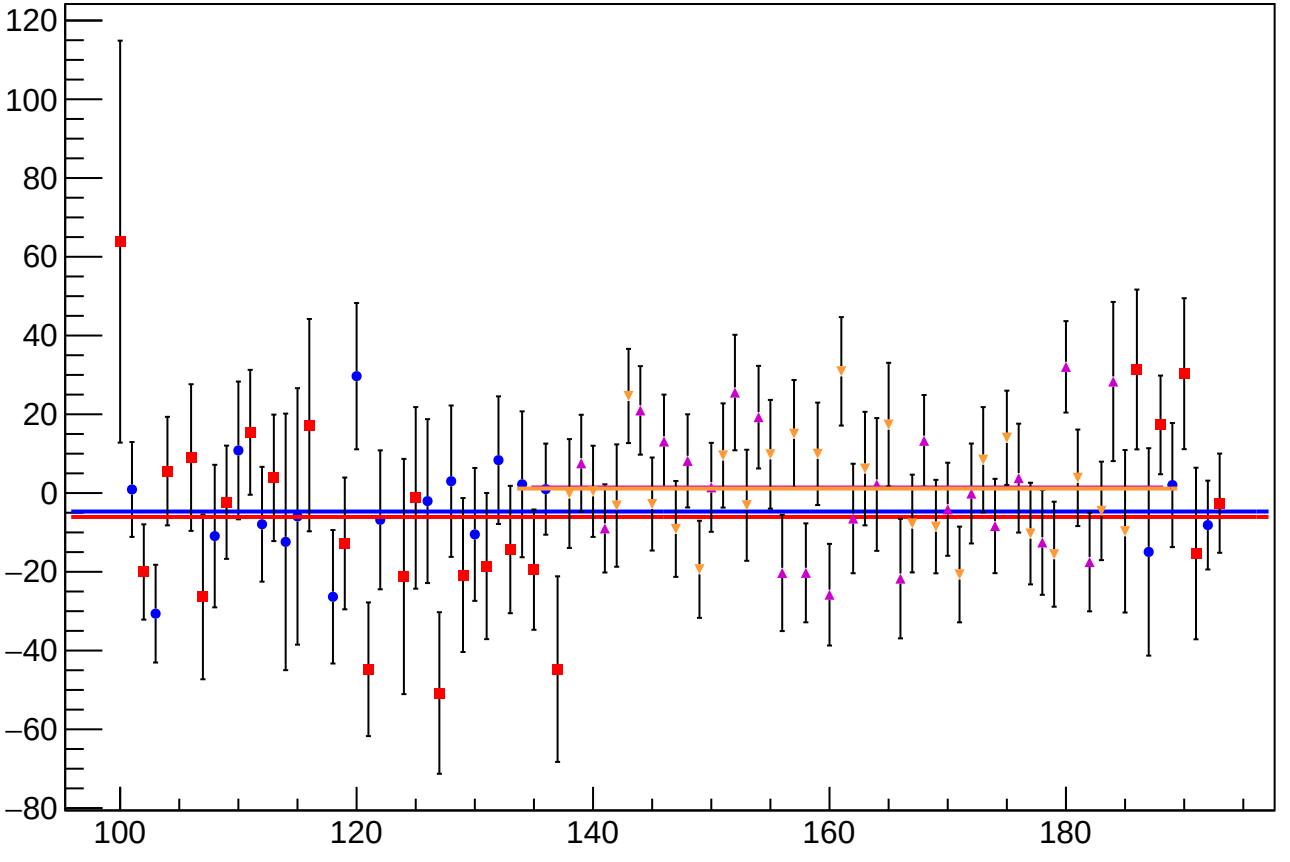
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.709+/-0.003 χ^2/NDF: 38180.4/43

All: 21.702+/-0.002 χ^2/NDF: 81513.5/90

- sign 21.696+/-0.003 χ^2/NDF: 43323.4/46

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: -6.075+/-3.547 χ^2/NDF: 34.4/23

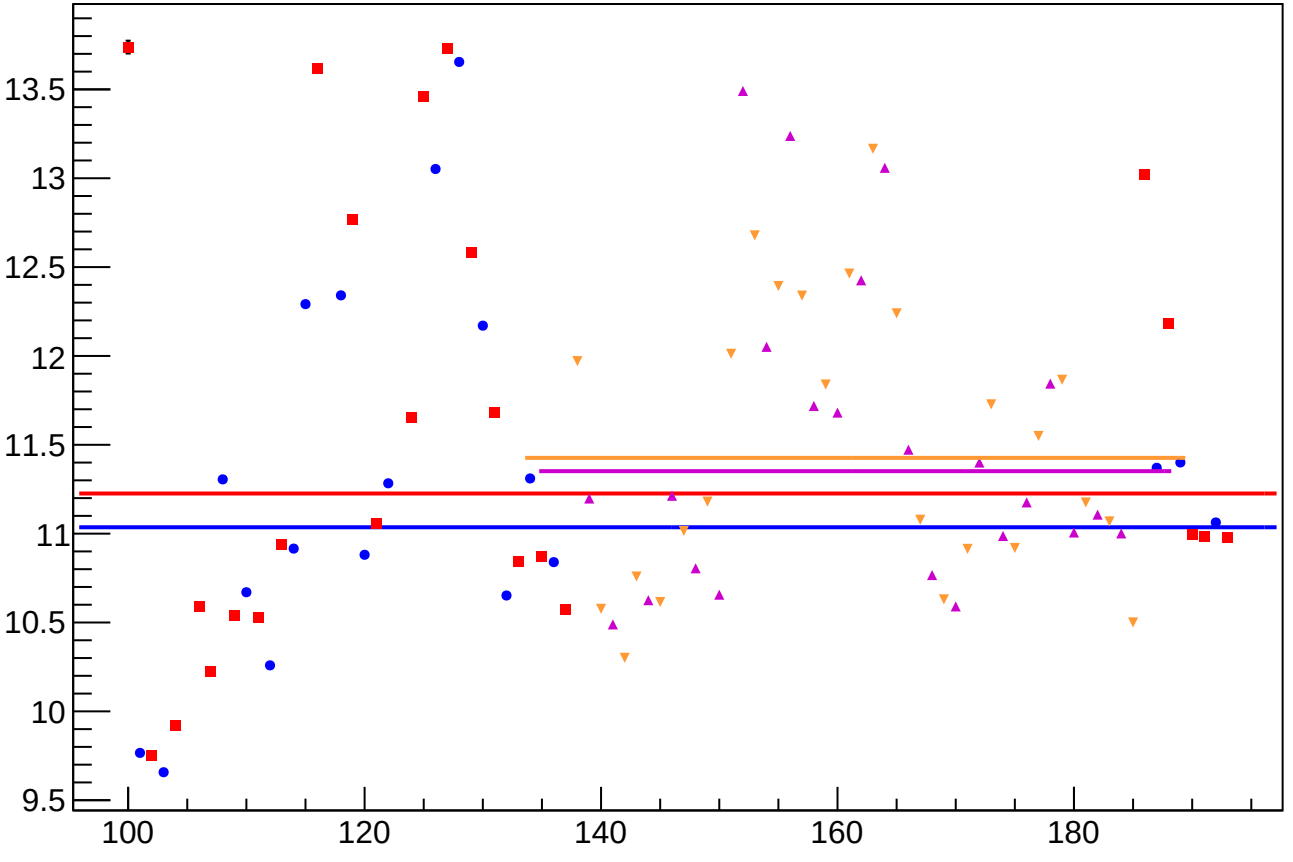
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.789+/-2.144 χ^2/NDF: 38.6/43

All: -1.048+/-1.513 χ^2/NDF: 112.2/90

- sign -1.305+/-2.135 χ^2/NDF: 73.6/46

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.036+/-0.003 χ^2/NDF: 137723.7/18

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

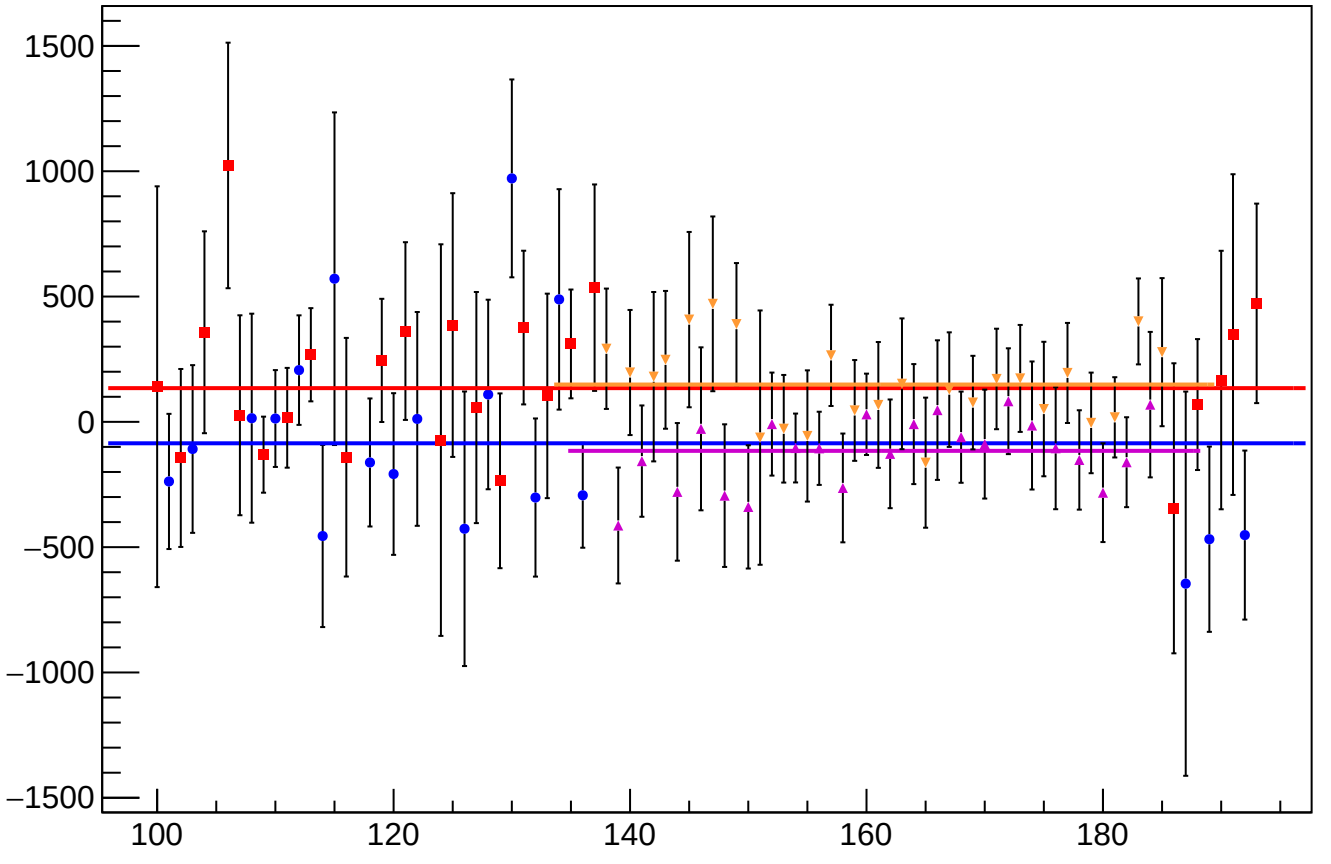
Right Out: 11.226+/-0.003 χ^2/NDF: 193579.7/23

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.297+/-0.002 χ^2/NDF: 309386.5/43

All: 11.302+/-0.001 χ^2/NDF: 675148.5/90

- sign 11.306+/-0.002 χ^2/NDF: 365745.2/46



Right In: -85.538+/-72.733 χ^2/NDF: 18.5/18

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

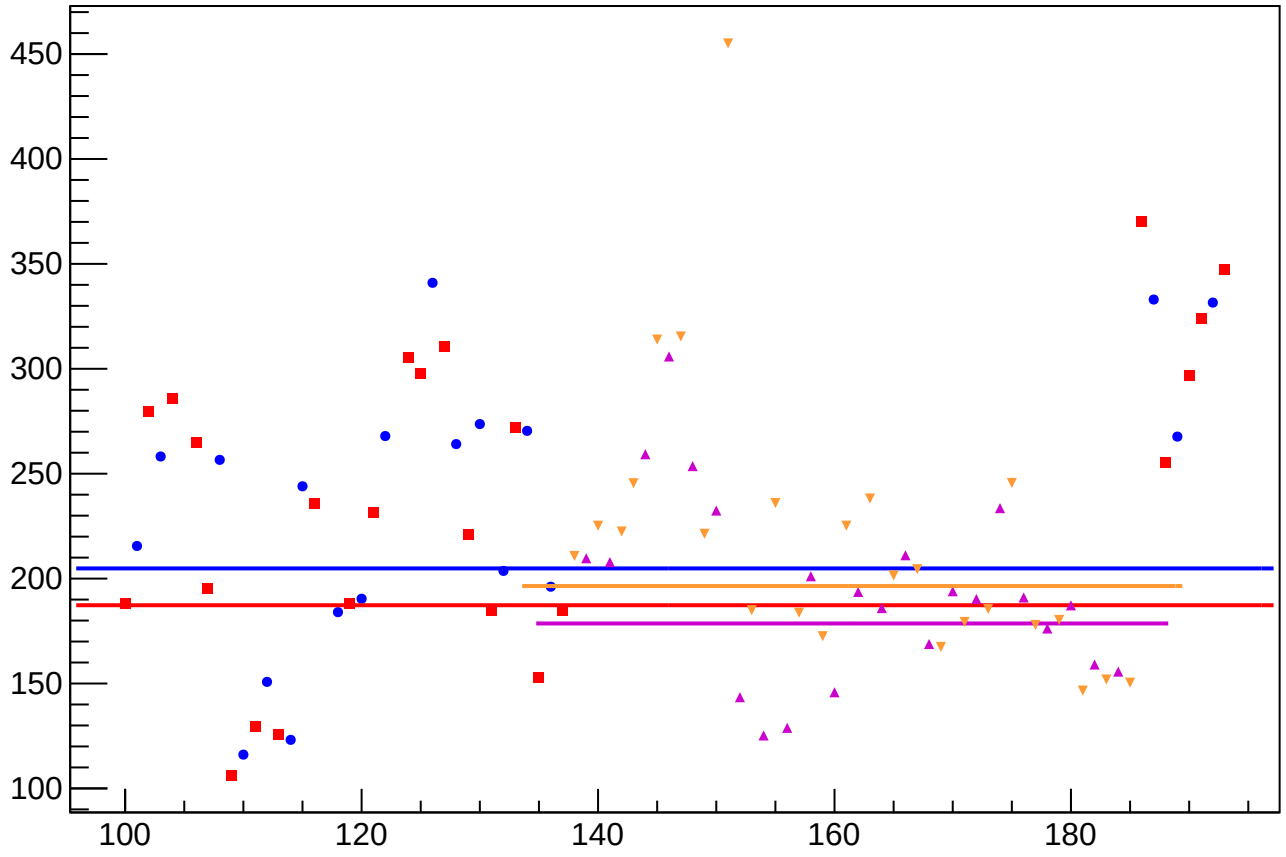
Right Out: 134.530+/-63.925 χ^2/NDF: 14.4/23

Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 81.285+/-39.062 χ^2/NDF: 36.4/43

All: 17.850+/-26.489 χ^2/NDF: 73.9/90

- sign -36.158+/-36.043 χ^2/NDF: 32.7/46



Right In: 204.853+/-0.051 χ^2/NDF: 1475586.4/18

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

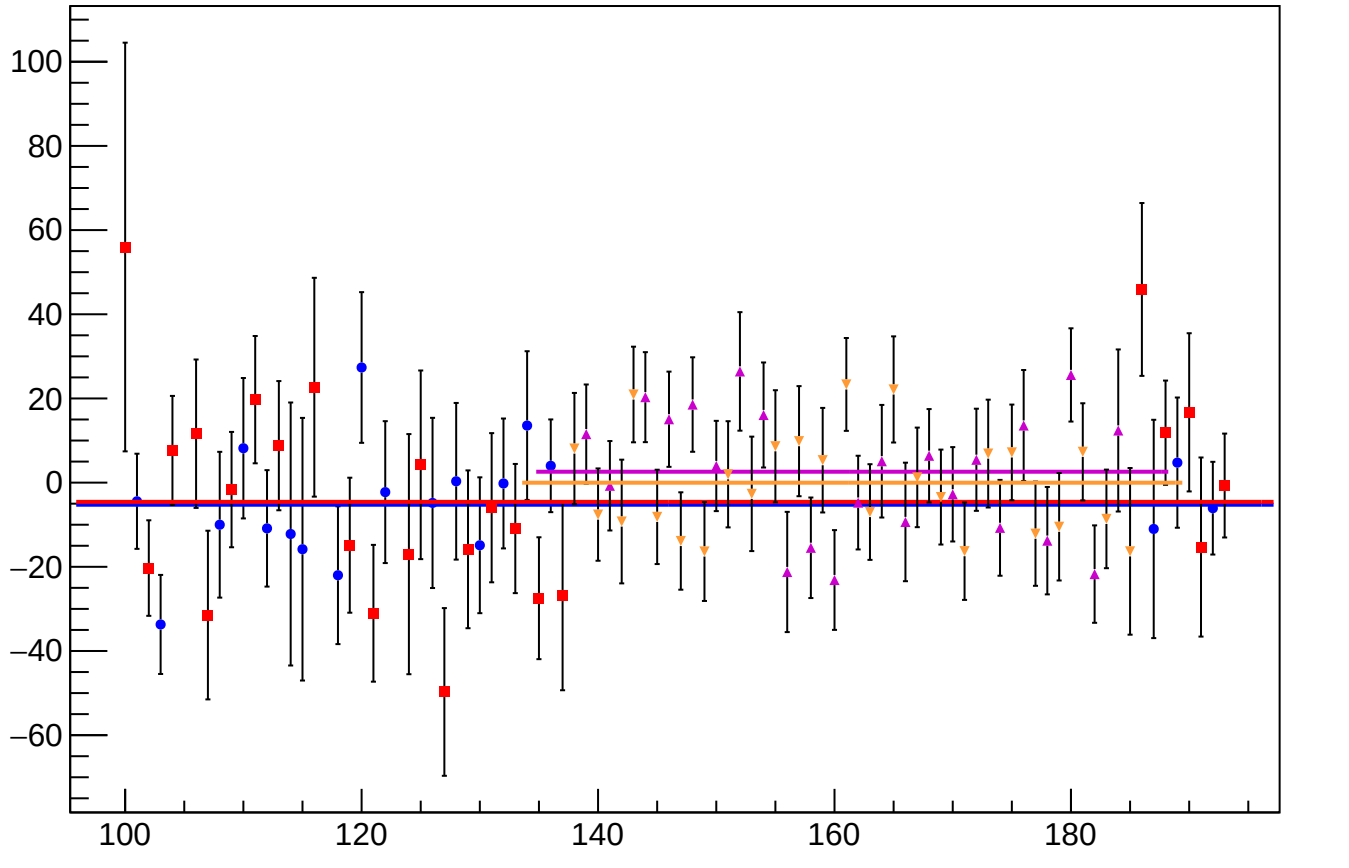
Right Out: 187.308+/-0.045 χ^2/NDF: 2590995.8/23

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 198.877+/-0.028 χ^2/NDF: 3313307.7/43

All: 189.425+/-0.019 χ^2/NDF: 7825192.6/90

- sign 181.378+/-0.025 χ^2/NDF: 4295091.4/46



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: -4.566+/-3.406 χ^2/NDF: 33.5/23

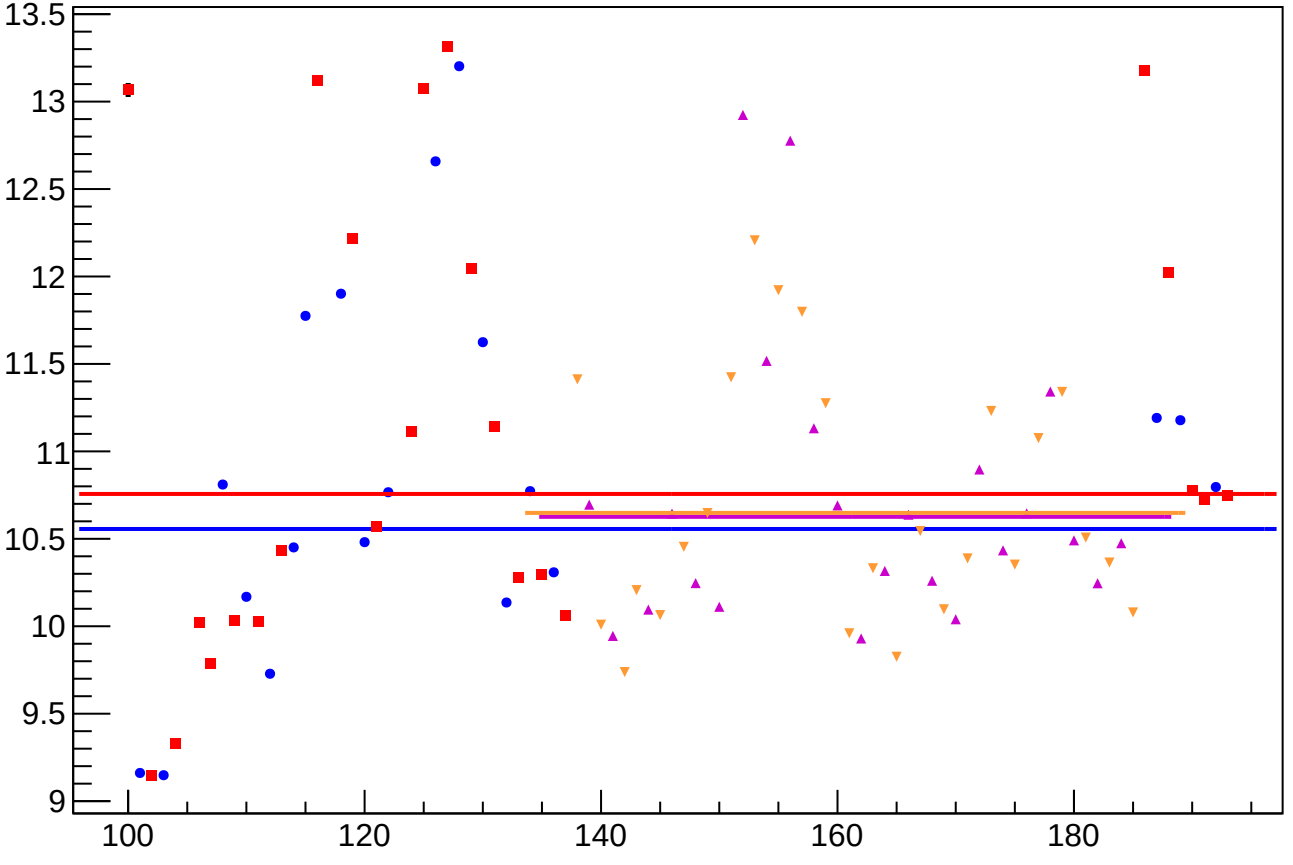
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.685+/-2.018 χ^2/NDF: 39.4/43

All: -0.804+/-1.427 χ^2/NDF: 110.9/90

- sign 0.077+/-2.018 χ^2/NDF: 71.1/46

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

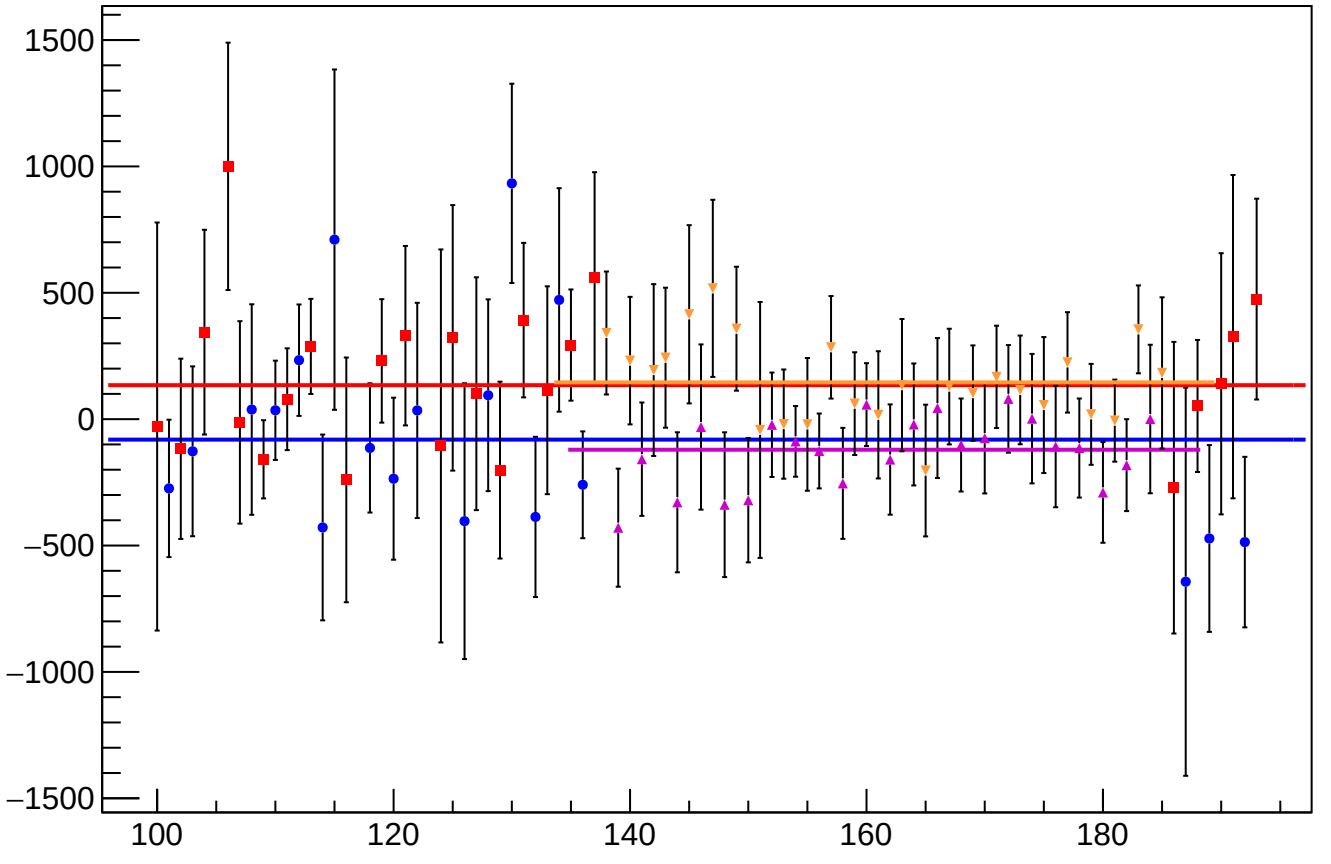
Right Out: 10.757+/-0.002 χ^2/NDF: 241480.0/23

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.619+/-0.001 χ^2/NDF: 308130.7/43

All: 10.645+/-0.001 χ^2/NDF: 711751.9/90

- sign 10.672+/-0.001 χ^2/NDF: 402938.7/46



Right In: -80.900+/-73.159 χ^2/NDF: 19.1/18

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: 134.450+/-64.426 χ^2/NDF: 14.3/23

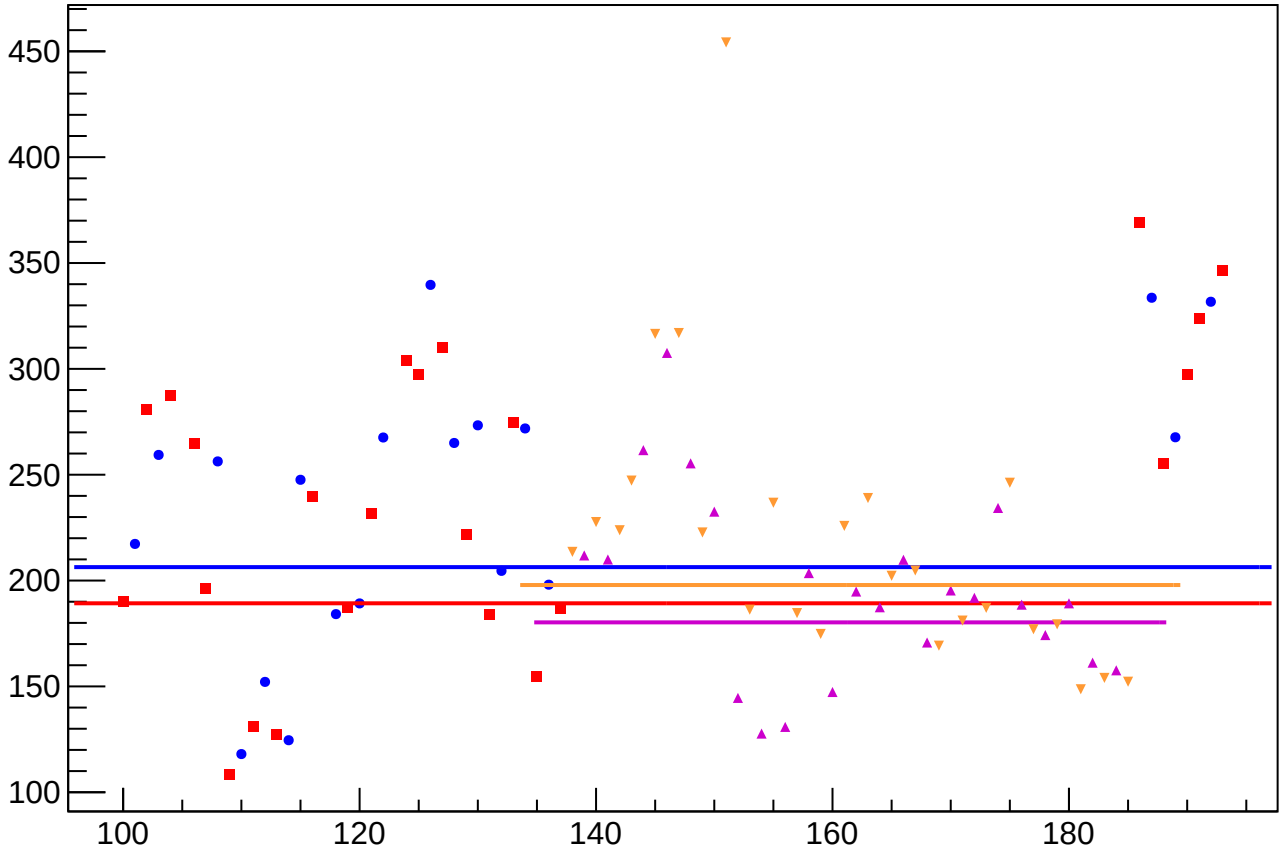
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 80.161+/-39.312 χ^2/NDF: 36.2/43

All: 15.523+/-26.682 χ^2/NDF: 74.4/90

- sign -39.686+/-36.332 χ^2/NDF: 33.3/46

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

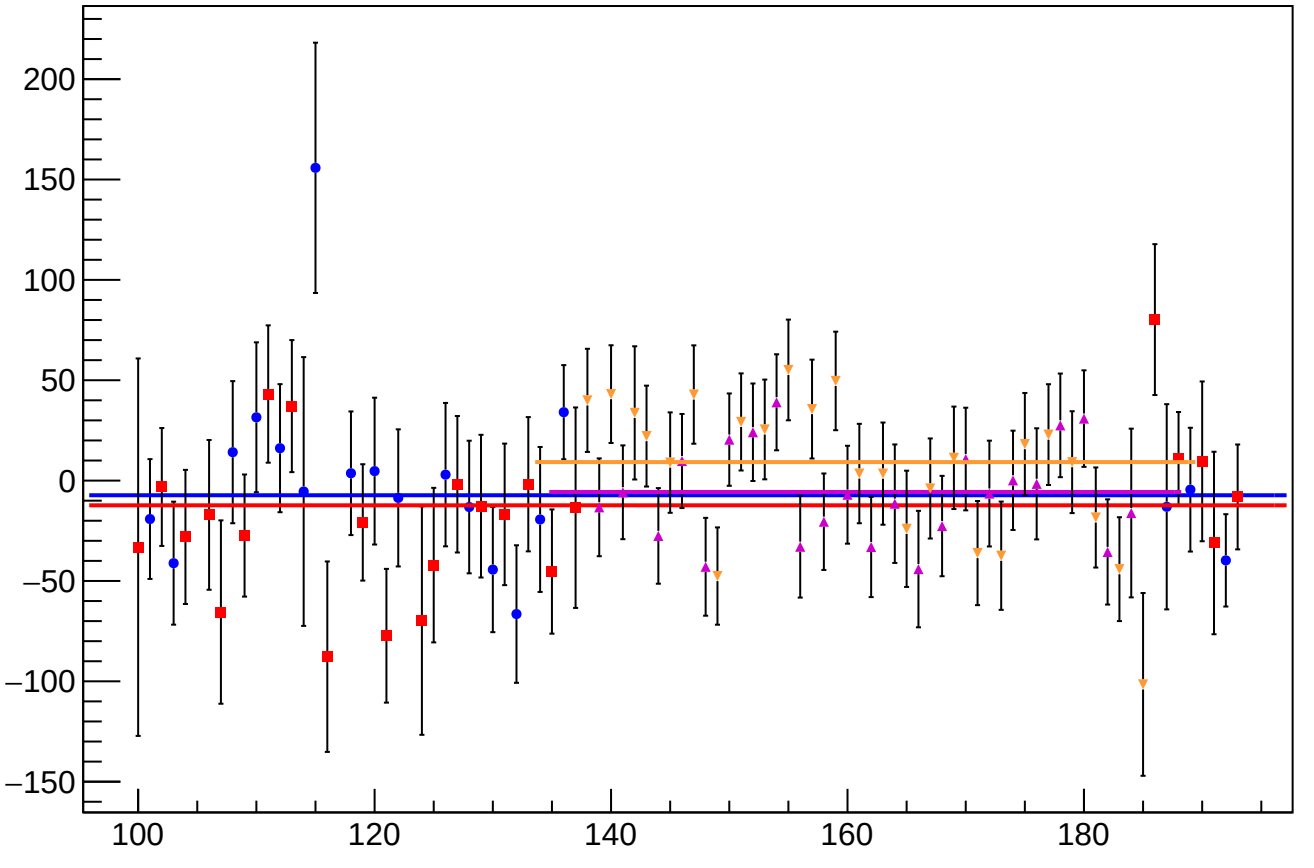
Right Out: 189.260+/-0.046 χ^2/NDF: 2509865.4/23

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 200.333+/-0.028 χ^2/NDF: 3241956.5/43

All: 191.046+/-0.019 χ^2/NDF: 7613231.9/90

- sign 183.114+/-0.026 χ^2/NDF: 4164333.8/46



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: -12.307+/-7.132 χ^2/NDF: 23.8/23

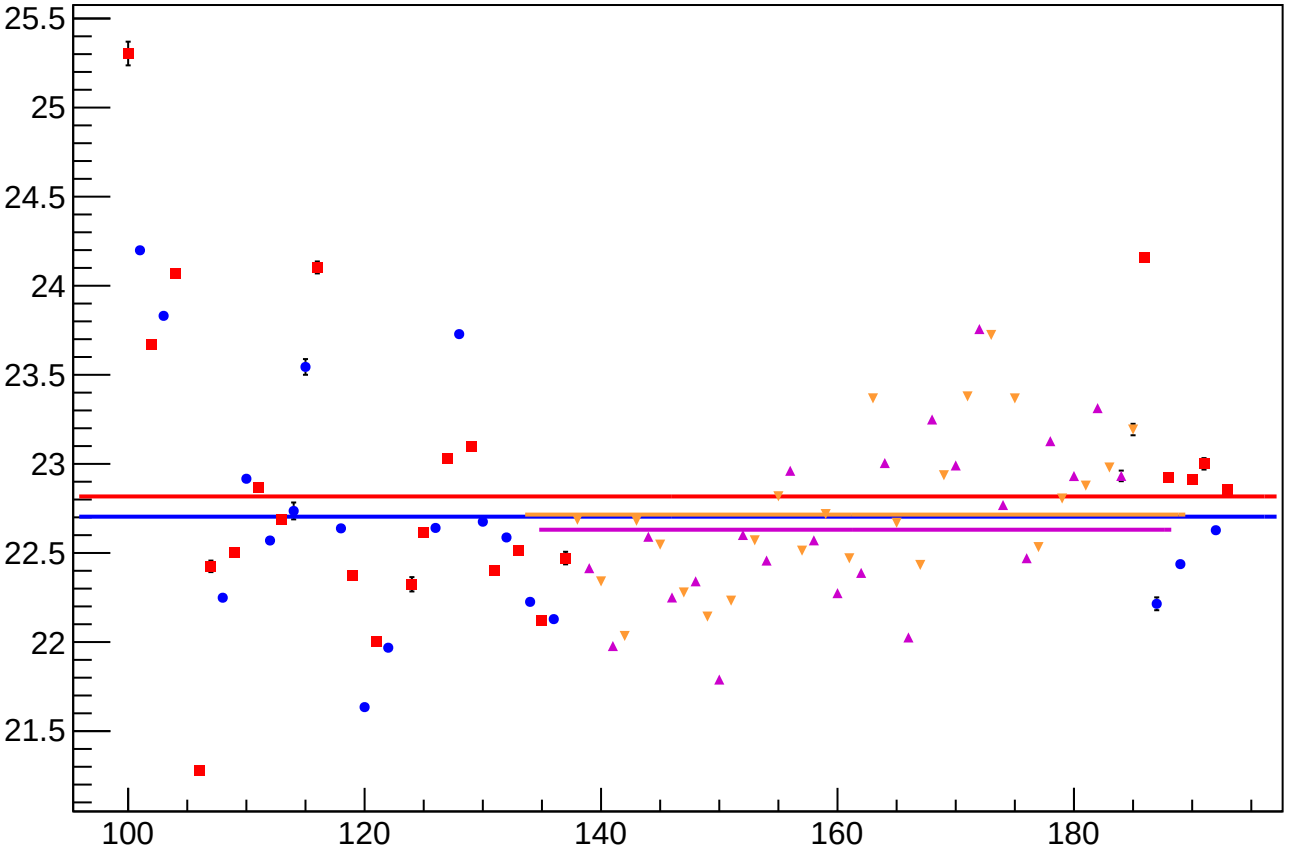
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 4.014+/-4.270 χ^2/NDF: 62.9/43

All: -2.037+/-3.011 χ^2/NDF: 112.0/90

- sign -8.022+/-4.247 χ^2/NDF: 45.1/46

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

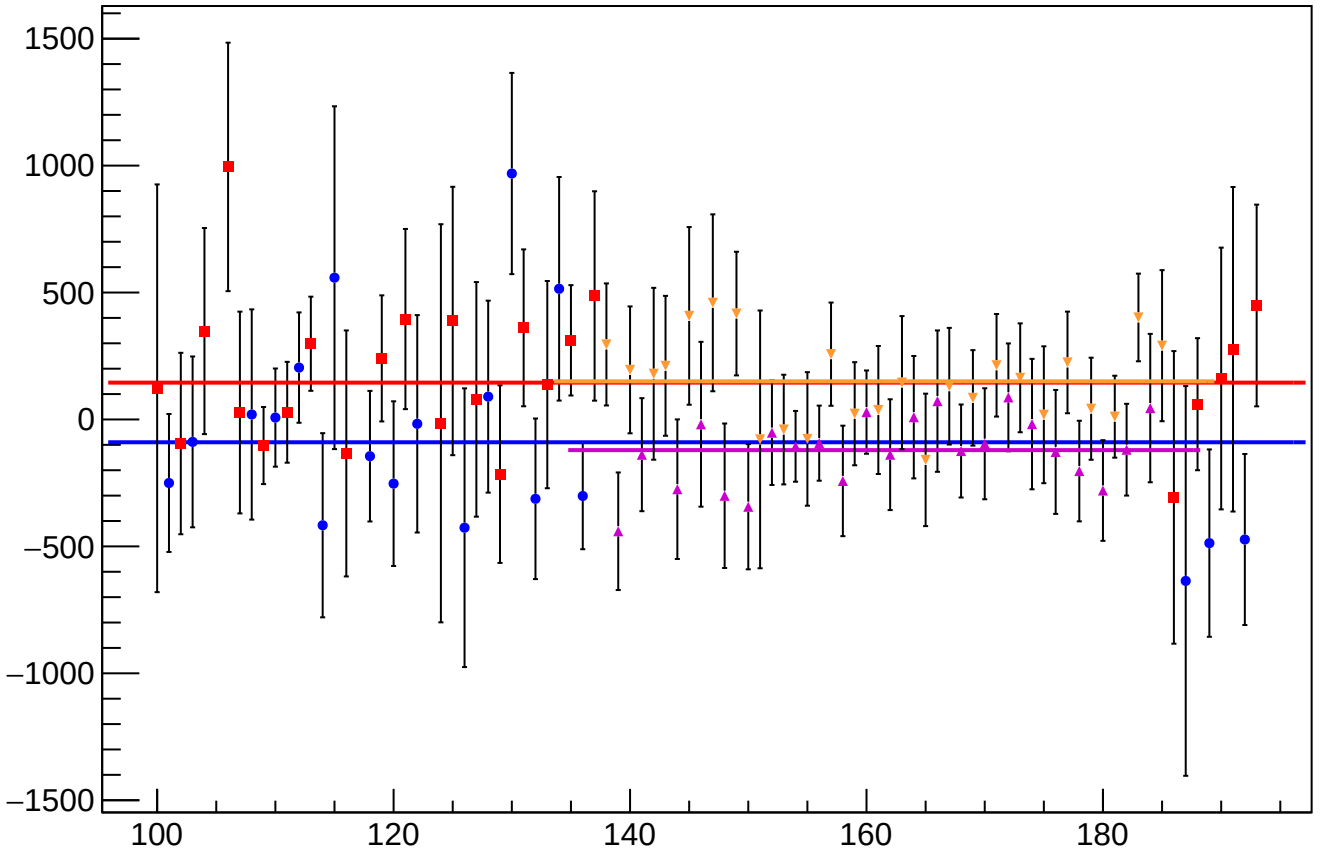
Right Out: 22.817+/-0.005 χ^2/NDF: 17384.3/23

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.712+/-0.003 χ^2/NDF: 27215.0/43

All: 22.704+/-0.002 χ^2/NDF: 60888.1/90

- sign 22.697+/-0.003 χ^2/NDF: 33660.7/46



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: 145.125+/-64.007 χ^2/NDF: 12.9/23

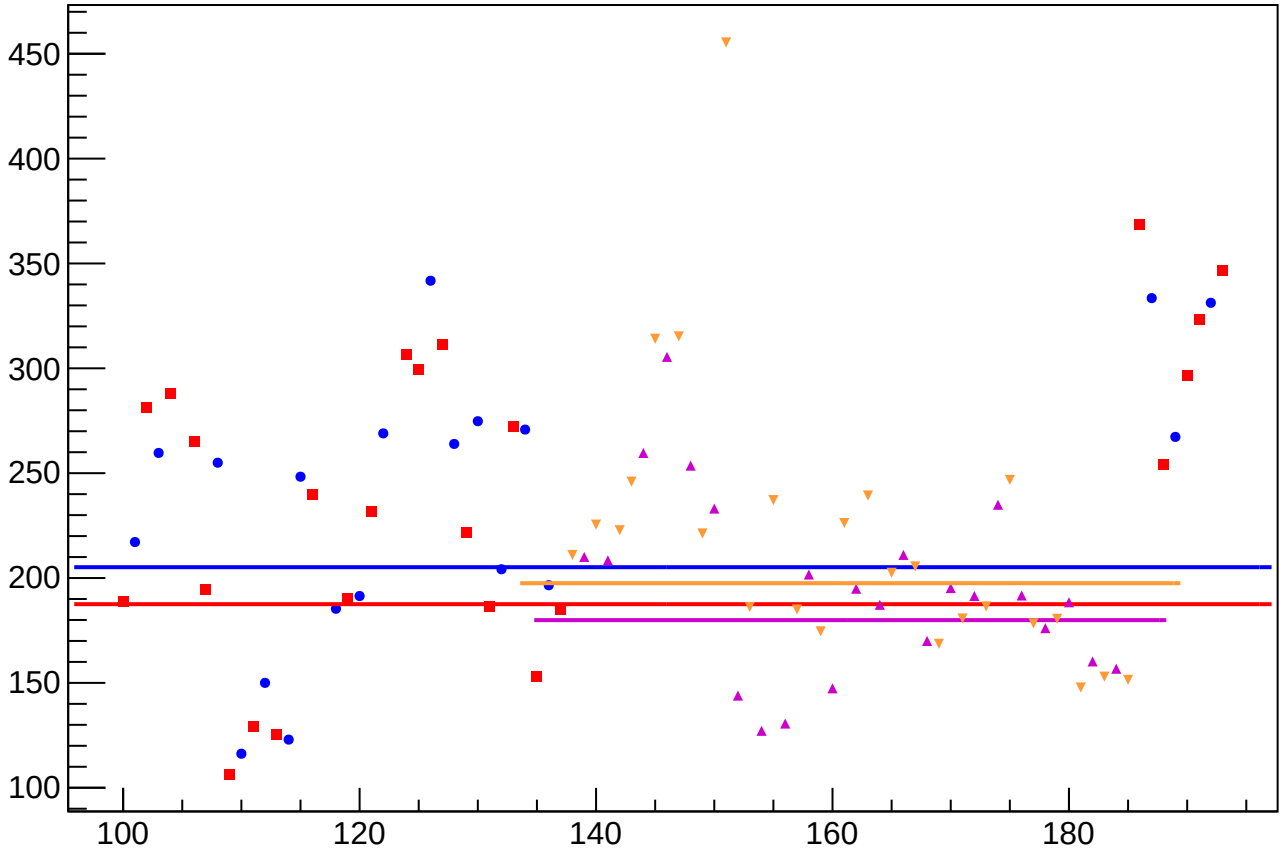
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 80.654+/-39.217 χ^2/NDF: 37.3/43

All: 17.881+/-26.606 χ^2/NDF: 74.6/90

- sign -35.646+/-36.214 χ^2/NDF: 32.5/46

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 205.172+/-0.052 χ^2/NDF: 1482286.3/18

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

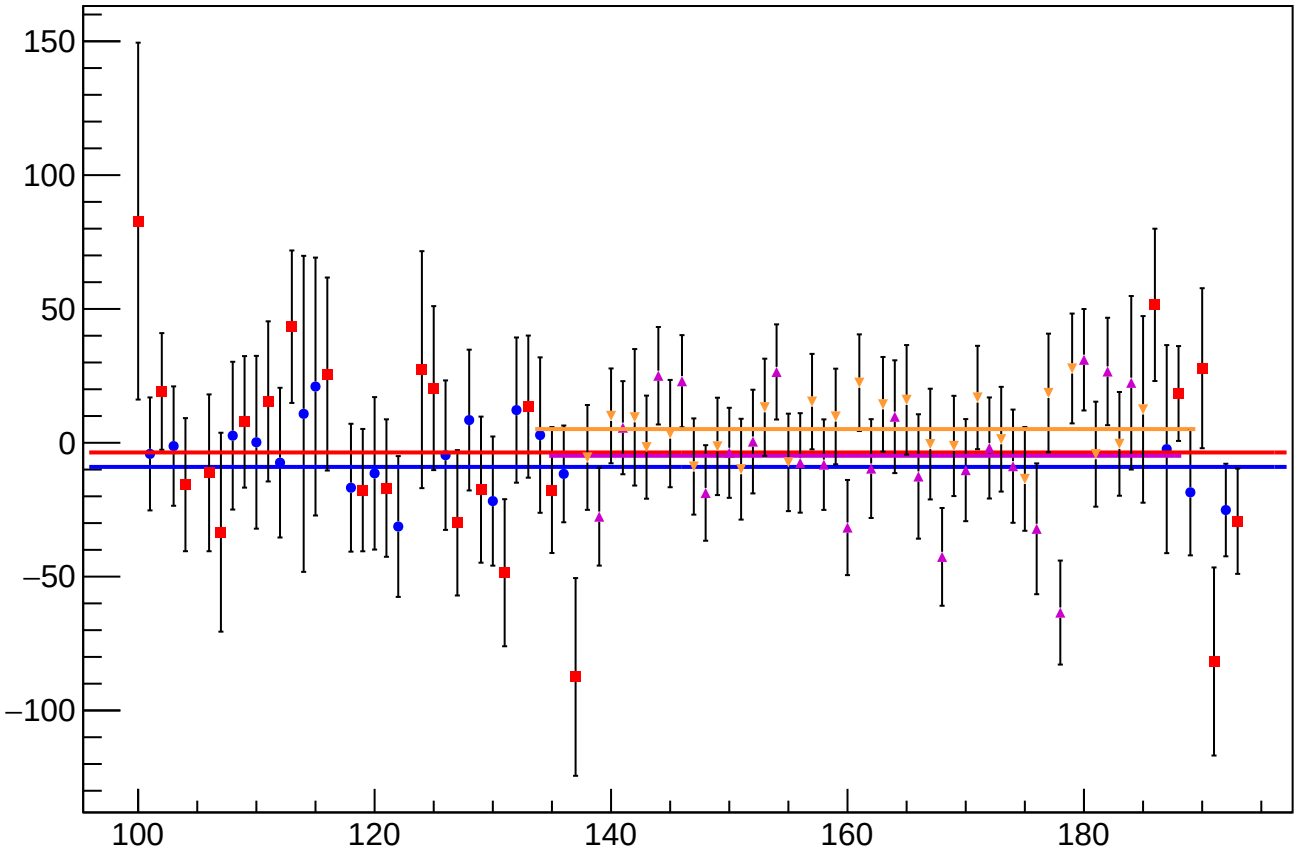
Right Out: 187.532+/-0.045 χ^2/NDF: 2600868.2/23

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

\+ sign 199.747+/-0.028 χ^2/NDF: 3287788.6/43

All: 190.362+/-0.019 χ^2/NDF: 7744229.2/90

\- sign 182.359+/-0.026 χ^2/NDF: 4244227.5/46



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: -3.615+/-5.544 χ^2/NDF: 32.3/23

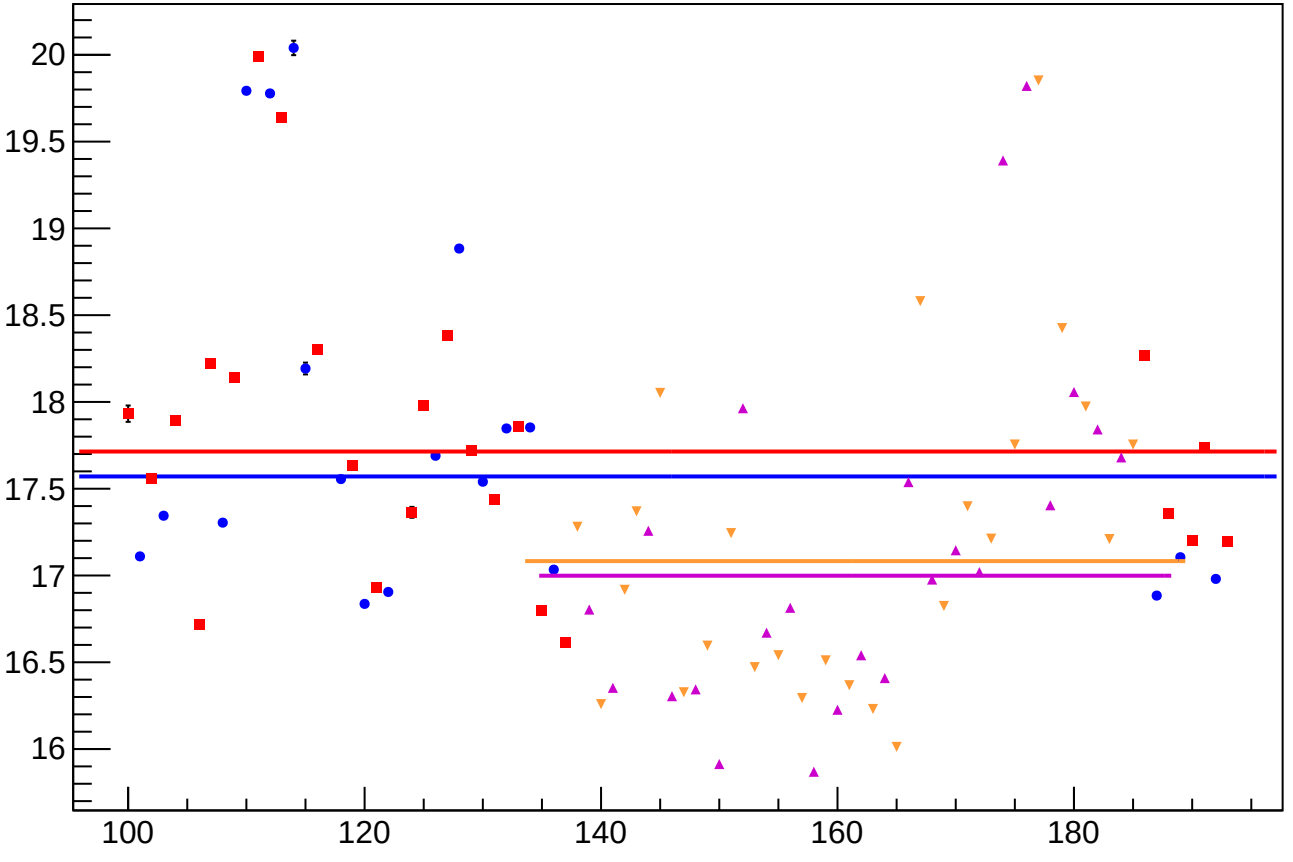
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.827+/-3.246 χ^2/NDF: 16.3/43

All: -1.814+/-2.291 χ^2/NDF: 85.5/90

- sign -4.435+/-3.233 χ^2/NDF: 67.9/46

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.571+/-0.004 χ^2/NDF: 40646.7/18

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

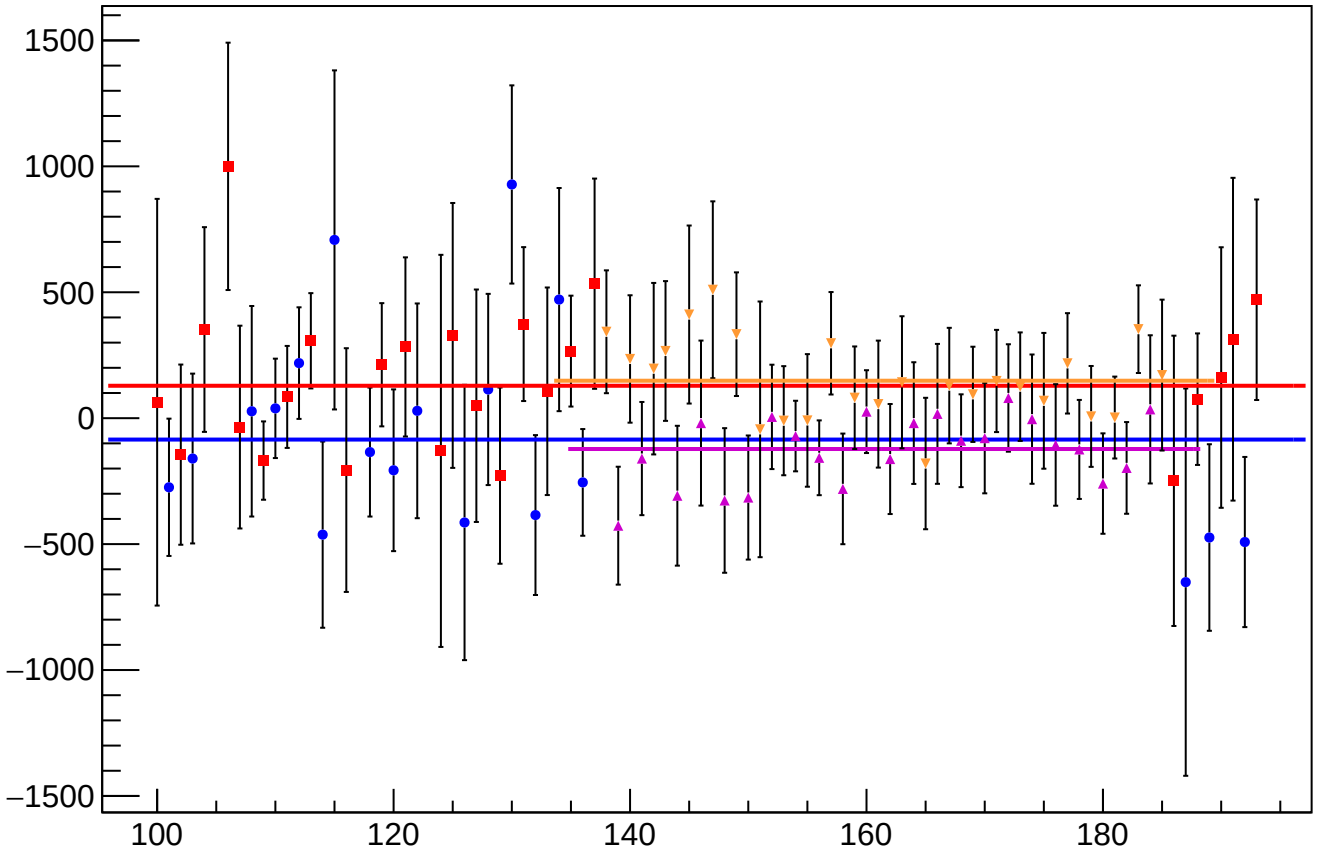
Right Out: 17.714+/-0.004 χ^2/NDF: 36712.9/23

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: 309701.5/90

\- sign 17.242+/-0.002 χ^2/NDF: 162720.0/46



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: 128.740+/-64.612 χ^2/NDF: 14.2/23

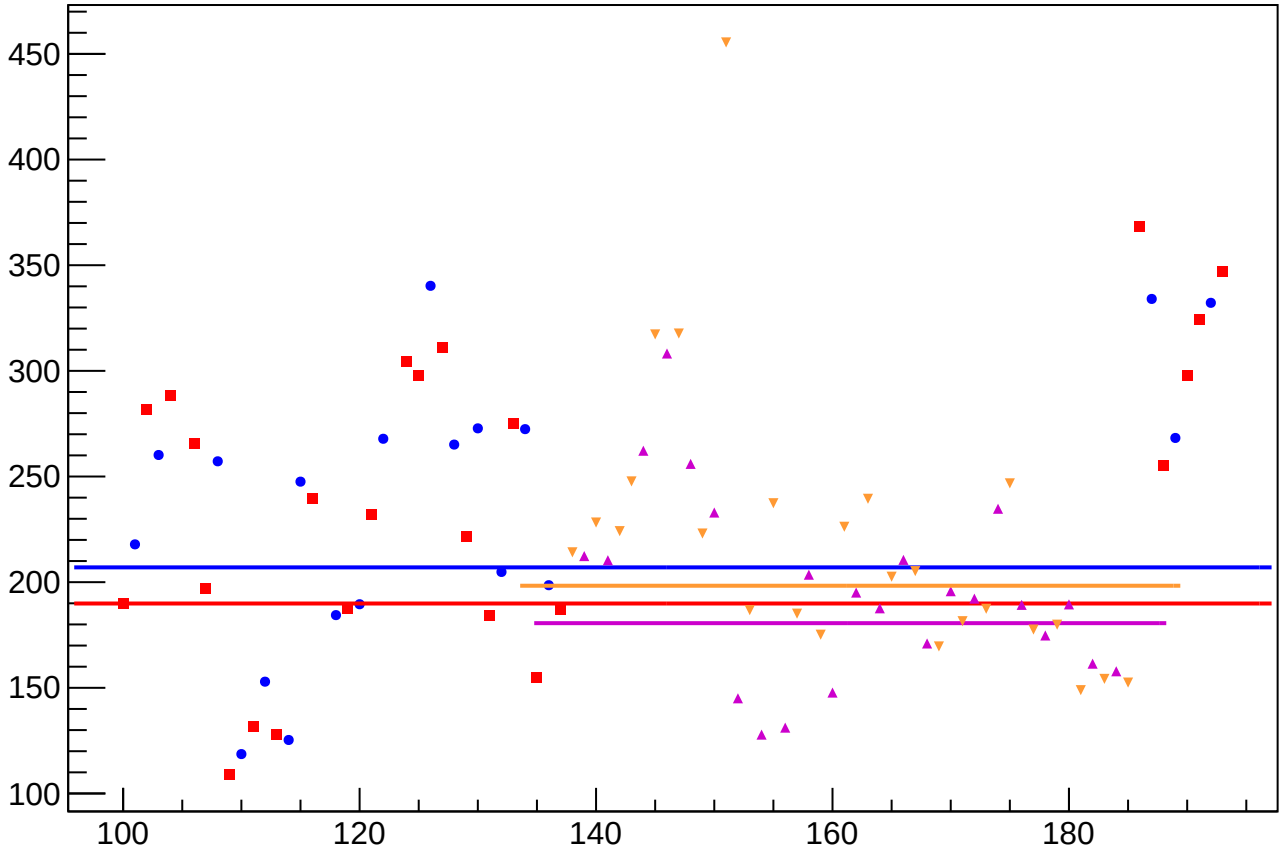
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 81.354+/-39.404 χ^2/NDF: 35.8/43

All: 14.487+/-26.743 χ^2/NDF: 73.5/90

- sign -42.617+/-36.414 χ^2/NDF: 32.4/46

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

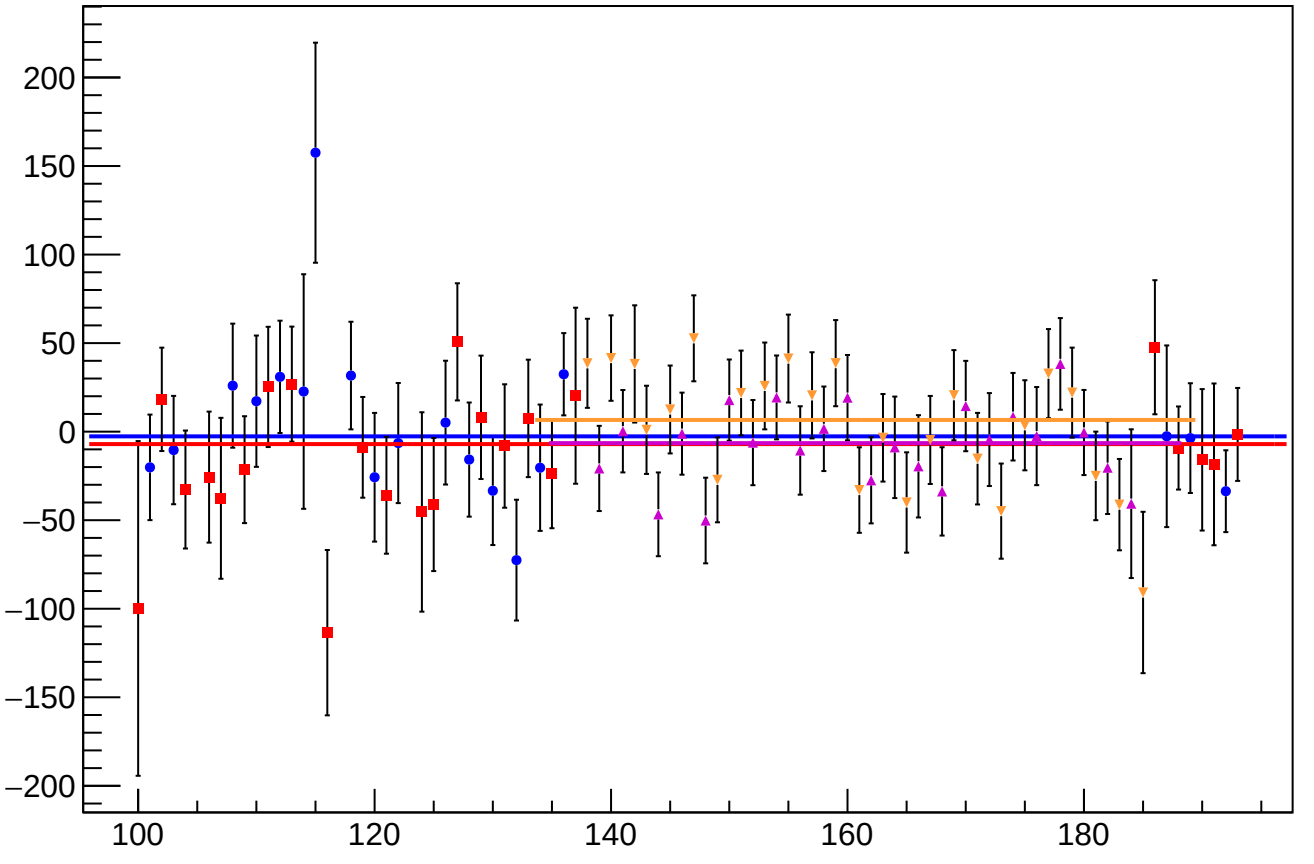
Right Out: 189.905+/-0.046 χ^2/NDF: 2491735.6/23

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 200.820+/-0.028 χ^2/NDF: 3231743.8/43

All: 191.509+/-0.019 χ^2/NDF: 7586924.1/90

- sign 183.556+/-0.026 χ^2/NDF: 4148104.7/46



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: -7.029+/-7.080 χ^2/NDF: 18.8/23

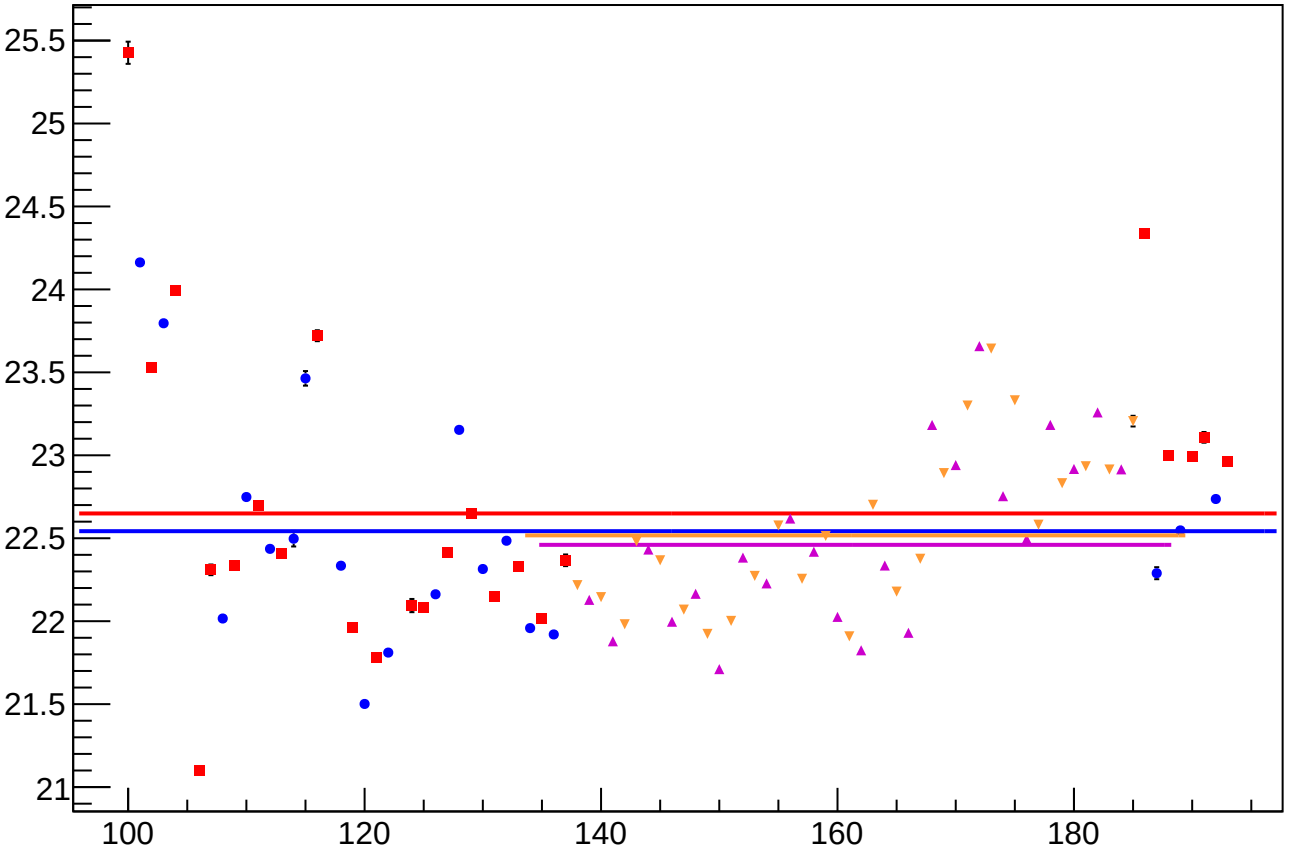
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 3.691+/-4.235 χ^2/NDF: 58.6/43

All: -1.517+/-2.988 χ^2/NDF: 97.9/90

- sign -6.676+/-4.215 χ^2/NDF: 36.2/46

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.543+/-0.005 χ^2/NDF: 16147.9/18

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

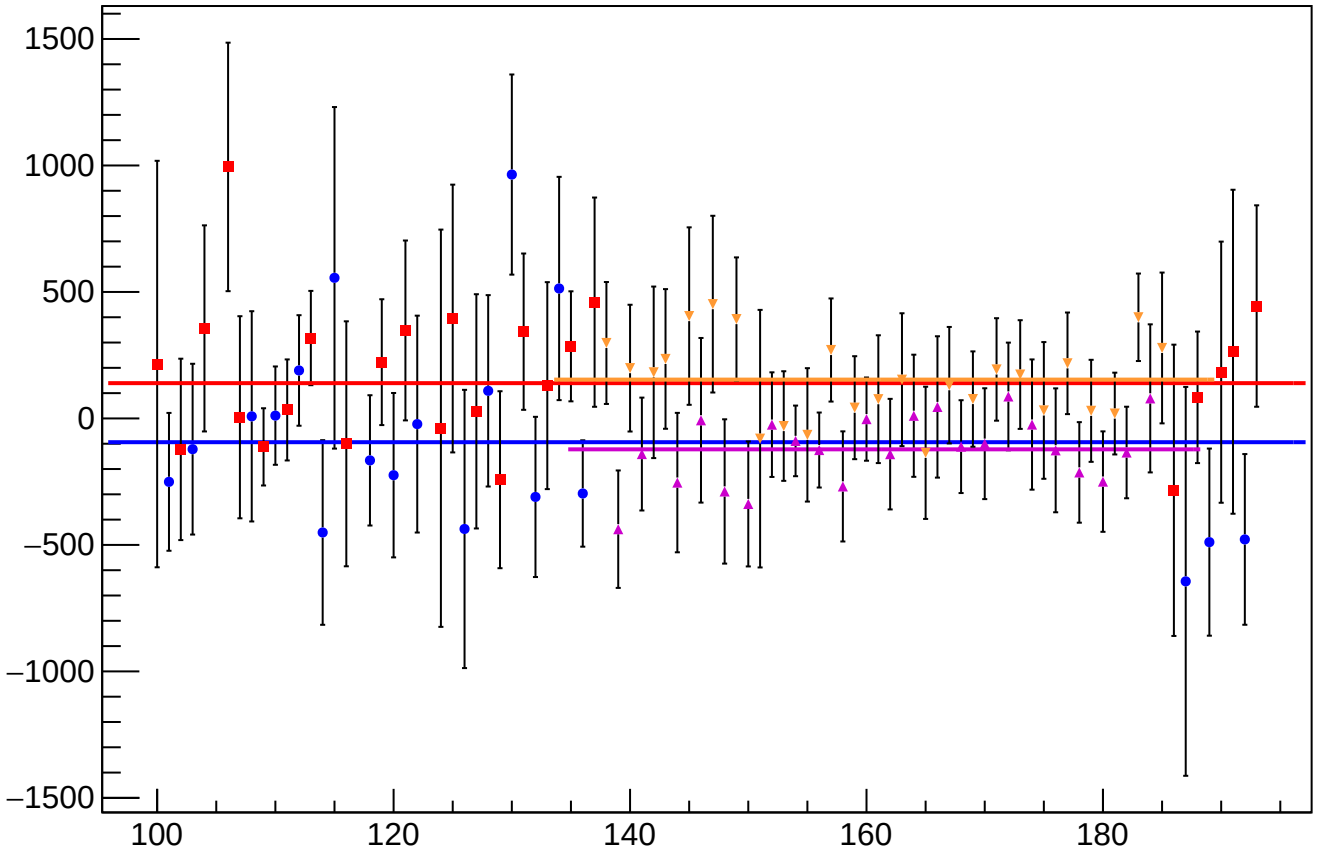
Right Out: 22.649+/-0.005 χ^2/NDF: 21670.2/23

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

\+ sign 22.525+/-0.003 χ^2/NDF: 32165.7/43

All: 22.526+/-0.002 χ^2/NDF: 73875.4/90

\- sign 22.527+/-0.003 χ^2/NDF: 41709.6/46



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: 139.508+/-64.196 χ^2/NDF: 12.8/23

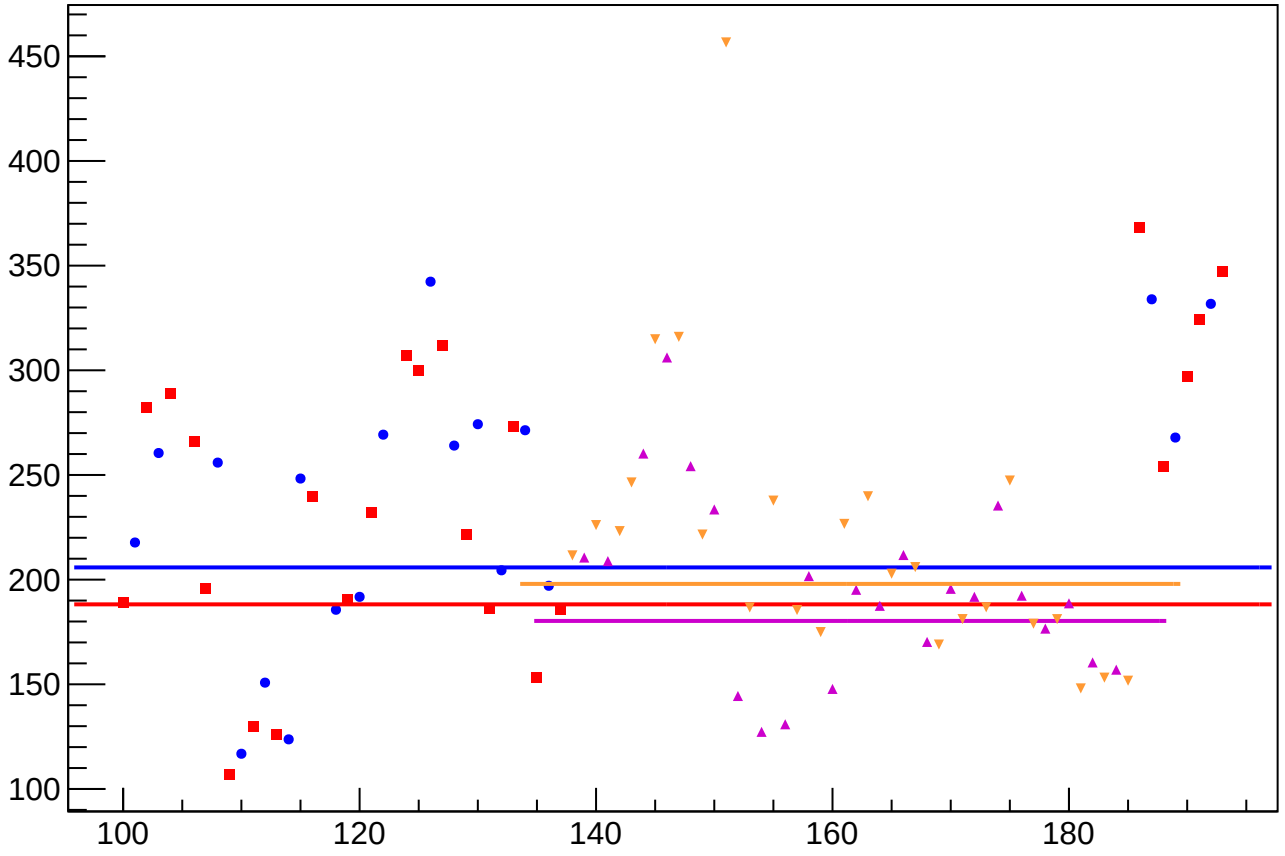
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 81.878+/-39.310 χ^2/NDF: 36.8/43

All: 16.892+/-26.668 χ^2/NDF: 73.5/90

- sign -38.513+/-36.297 χ^2/NDF: 31.6/46

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: 188.190+/-0.045 χ^2/NDF: 2581708.9/23

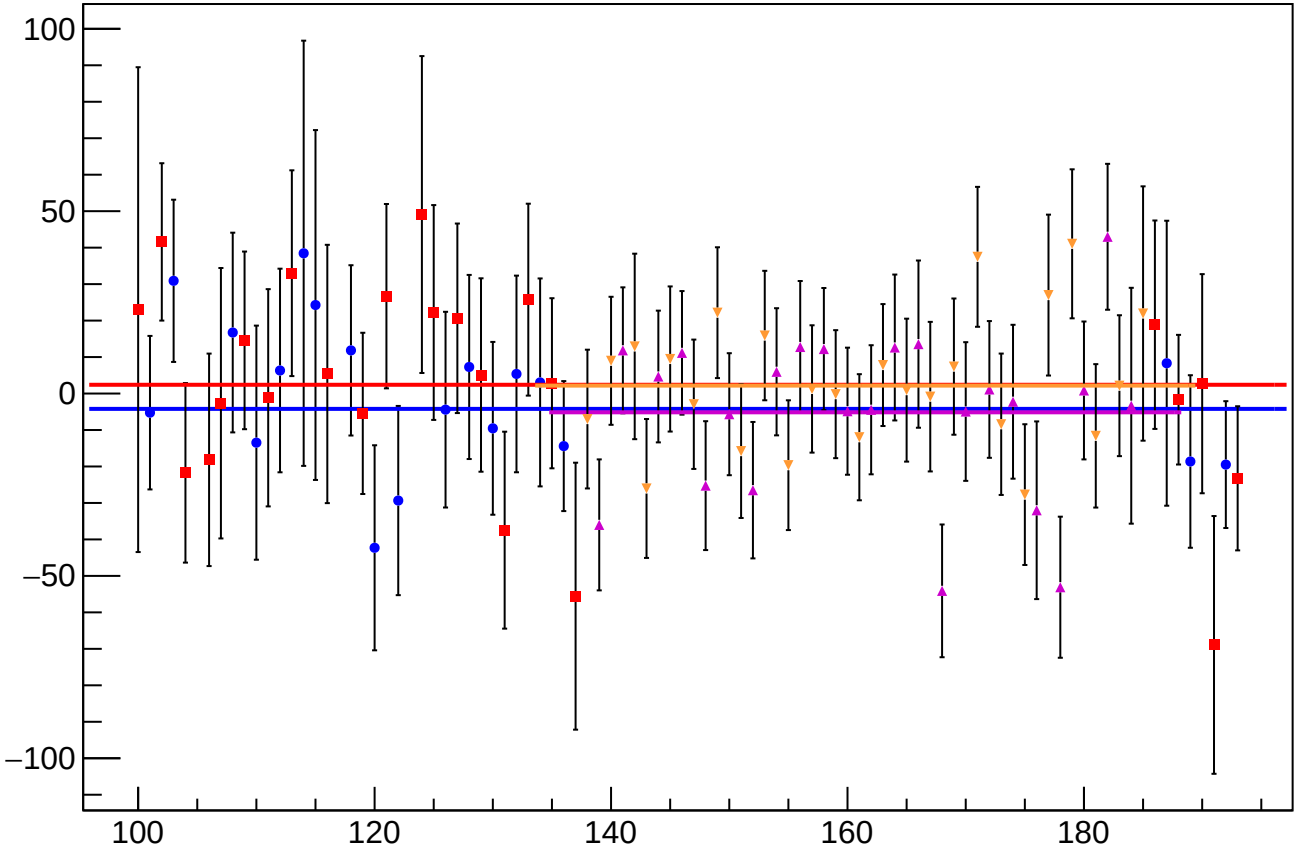
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

\+ sign 200.238+/-0.028 χ^2/NDF: 3276864.6/43

All: 190.828+/-0.019 χ^2/NDF: 7716277.7/90

\- sign 182.805+/-0.026 χ^2/NDF: 4227079.8/46

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



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: 2.402+/-5.483 χ^2/NDF: 21.1/23

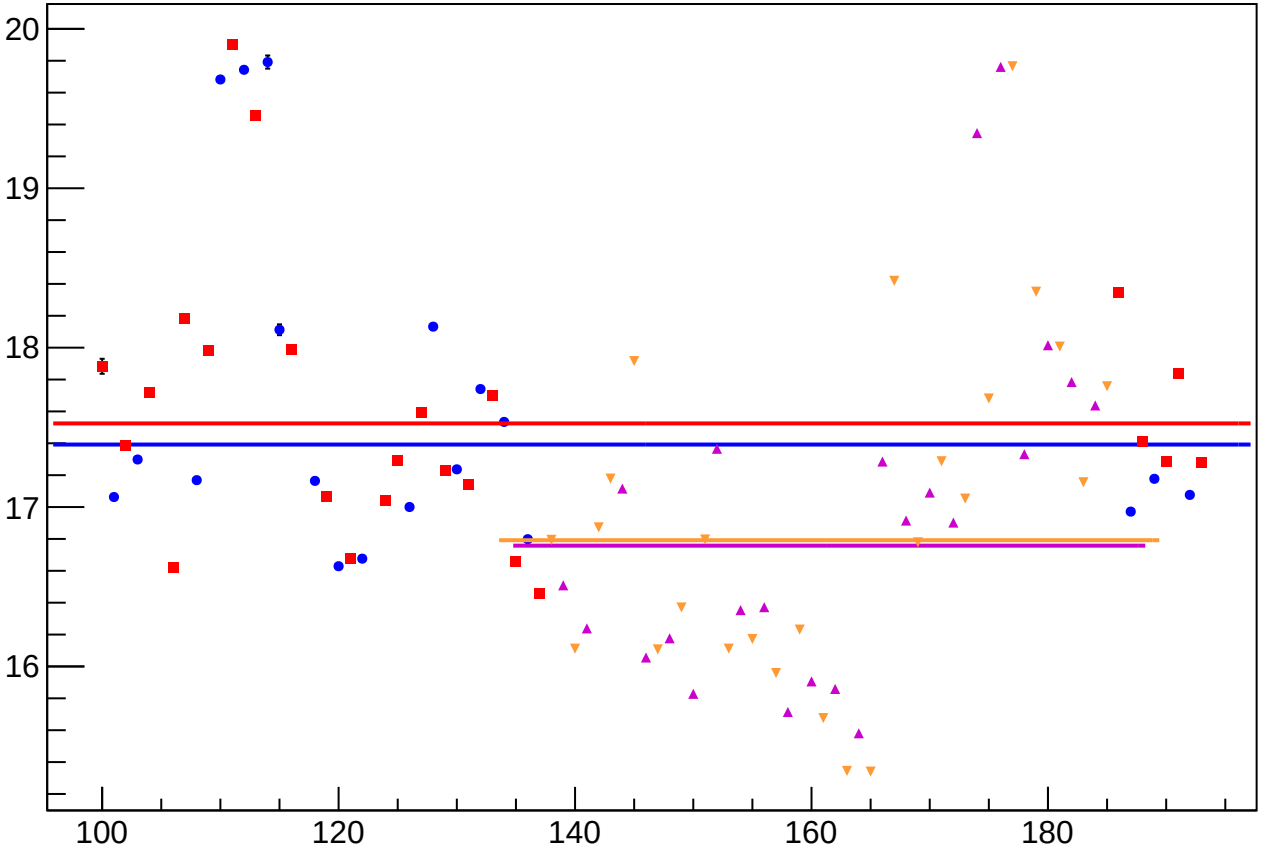
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.253+/-3.198 χ^2/NDF: 30.3/43

All: -1.173+/-2.259 χ^2/NDF: 85.3/90

- sign -2.592+/-3.191 χ^2/NDF: 54.6/46

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

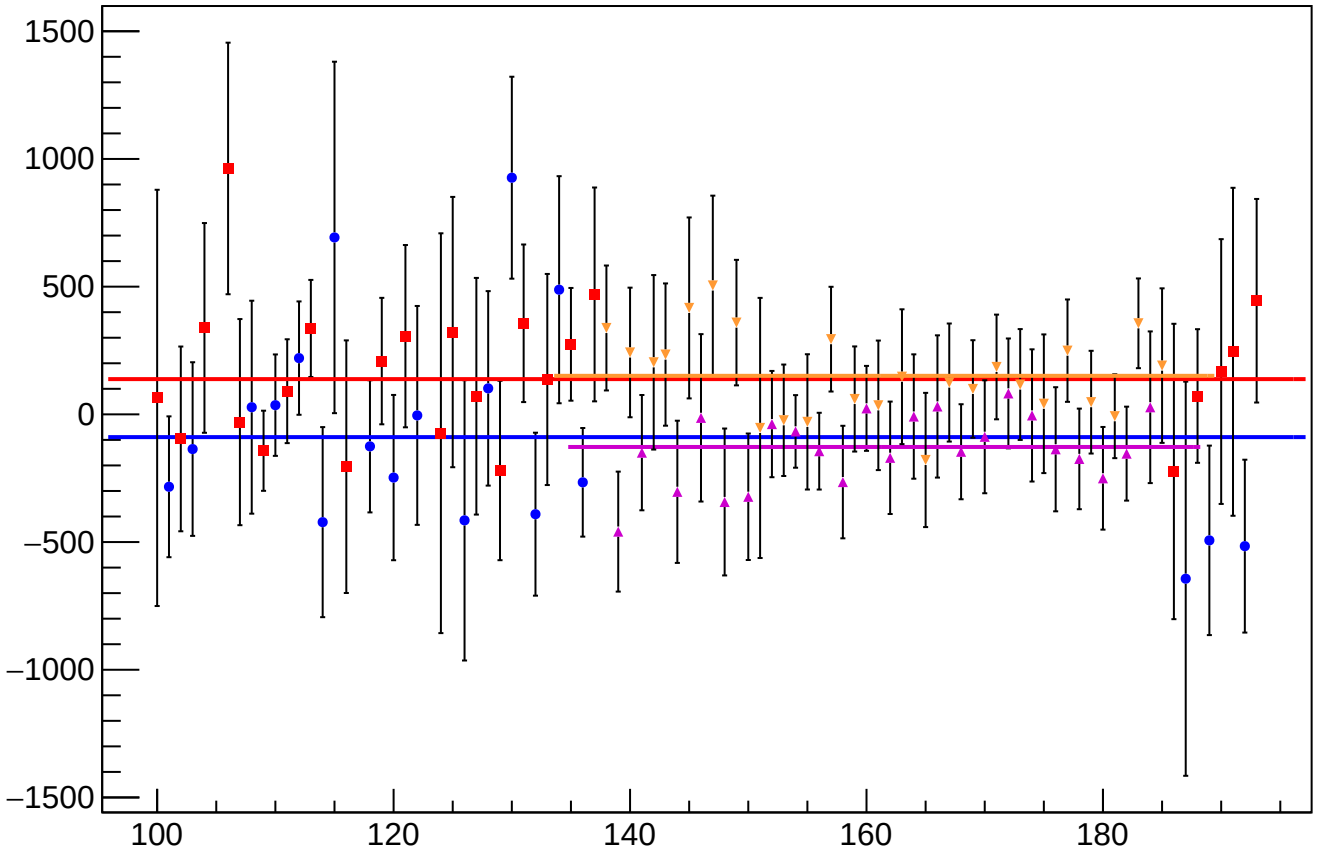
Right Out: 17.525+/-0.004 χ^2/NDF: 37056.4/23

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.973+/-0.002 χ^2/NDF: 189774.7/43

All: 16.995+/-0.002 χ^2/NDF: 376207.4/90

\- sign 17.018+/-0.002 χ^2/NDF: 186235.1/46



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: 138.004+/-64.993 χ^2/NDF: 12.6/23

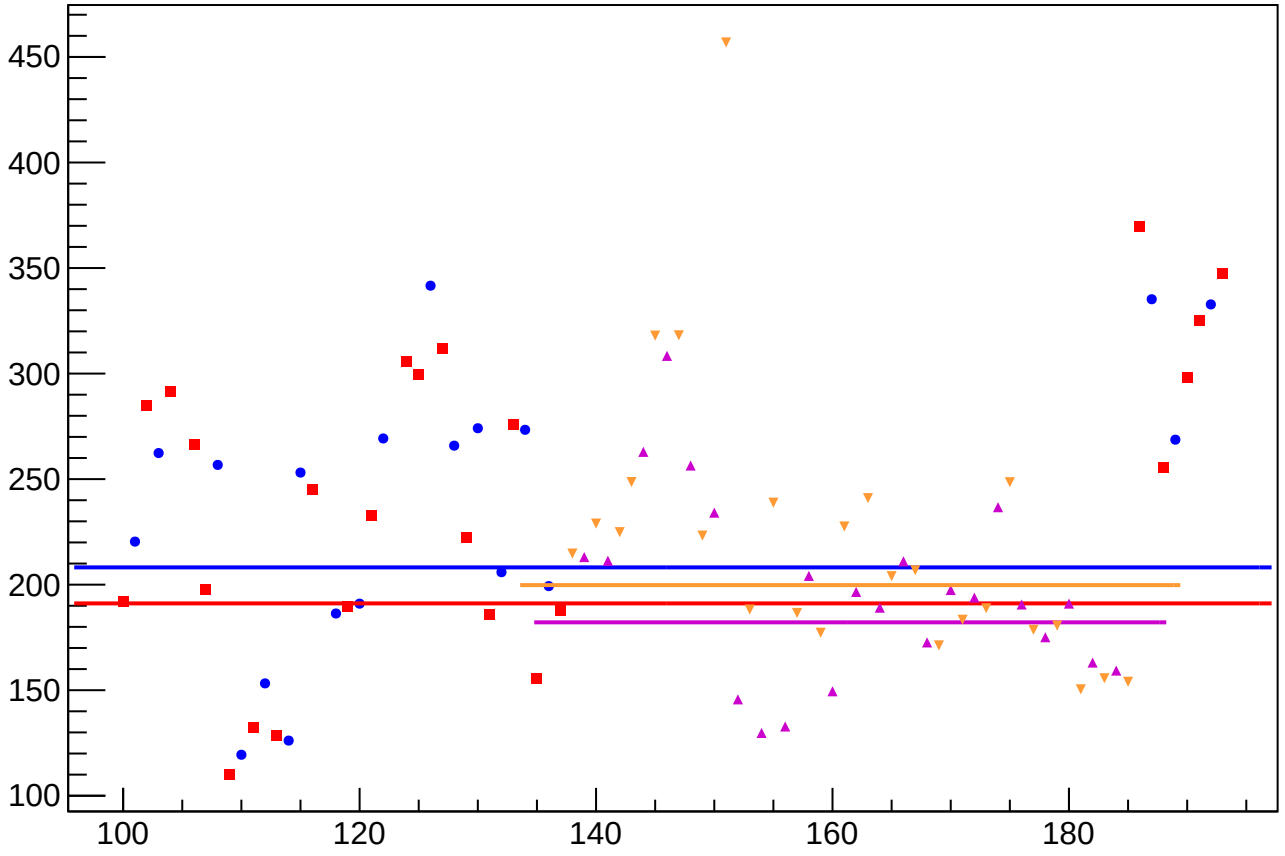
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 81.505+/-39.658 χ^2/NDF: 36.6/43

All: 14.347+/-26.927 χ^2/NDF: 73.8/90

- sign -43.093+/-36.677 χ^2/NDF: 31.8/46

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

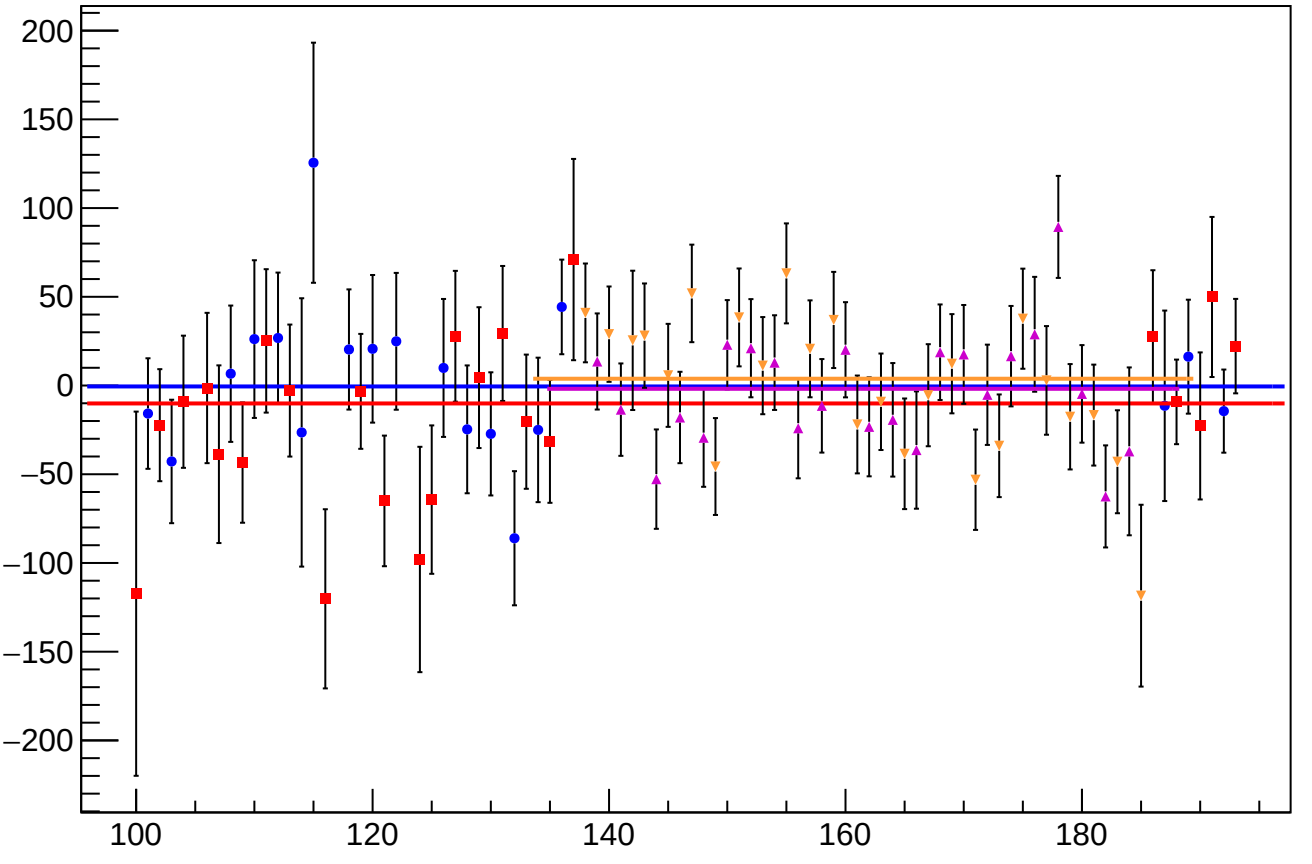
Right Out: 191.127+/-0.046 χ^2/NDF: 2482120.8/23

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 202.213+/-0.028 χ^2/NDF: 3194005.4/43

All: 192.940+/-0.019 χ^2/NDF: 7489370.9/90

- sign 185.009+/-0.026 χ^2/NDF: 4092482.0/46



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: -10.102+/-7.726 χ^2/NDF: 23.1/23

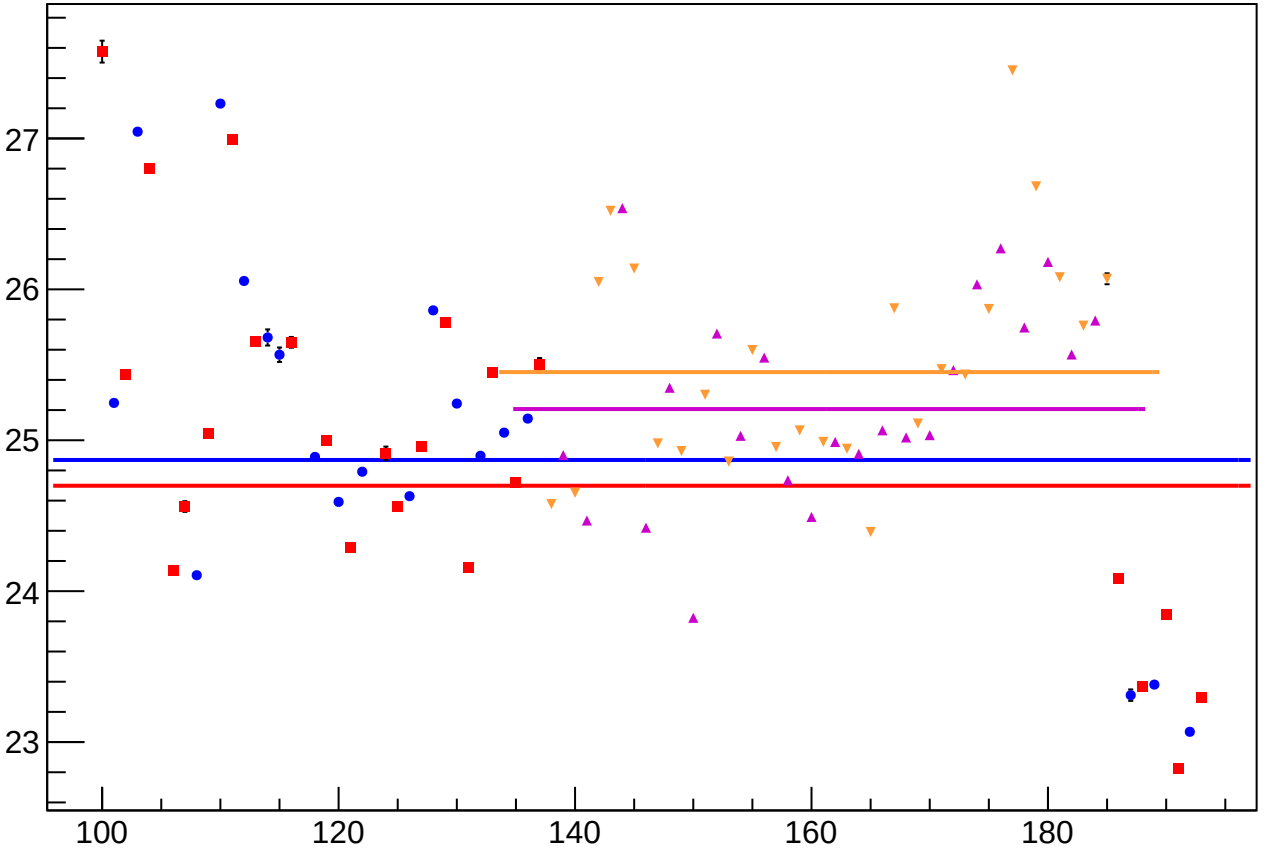
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 2.414+/-4.754 χ^2/NDF: 55.2/43

All: -1.288+/-3.337 χ^2/NDF: 108.3/90

- sign -4.885+/-4.686 χ^2/NDF: 51.9/46

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

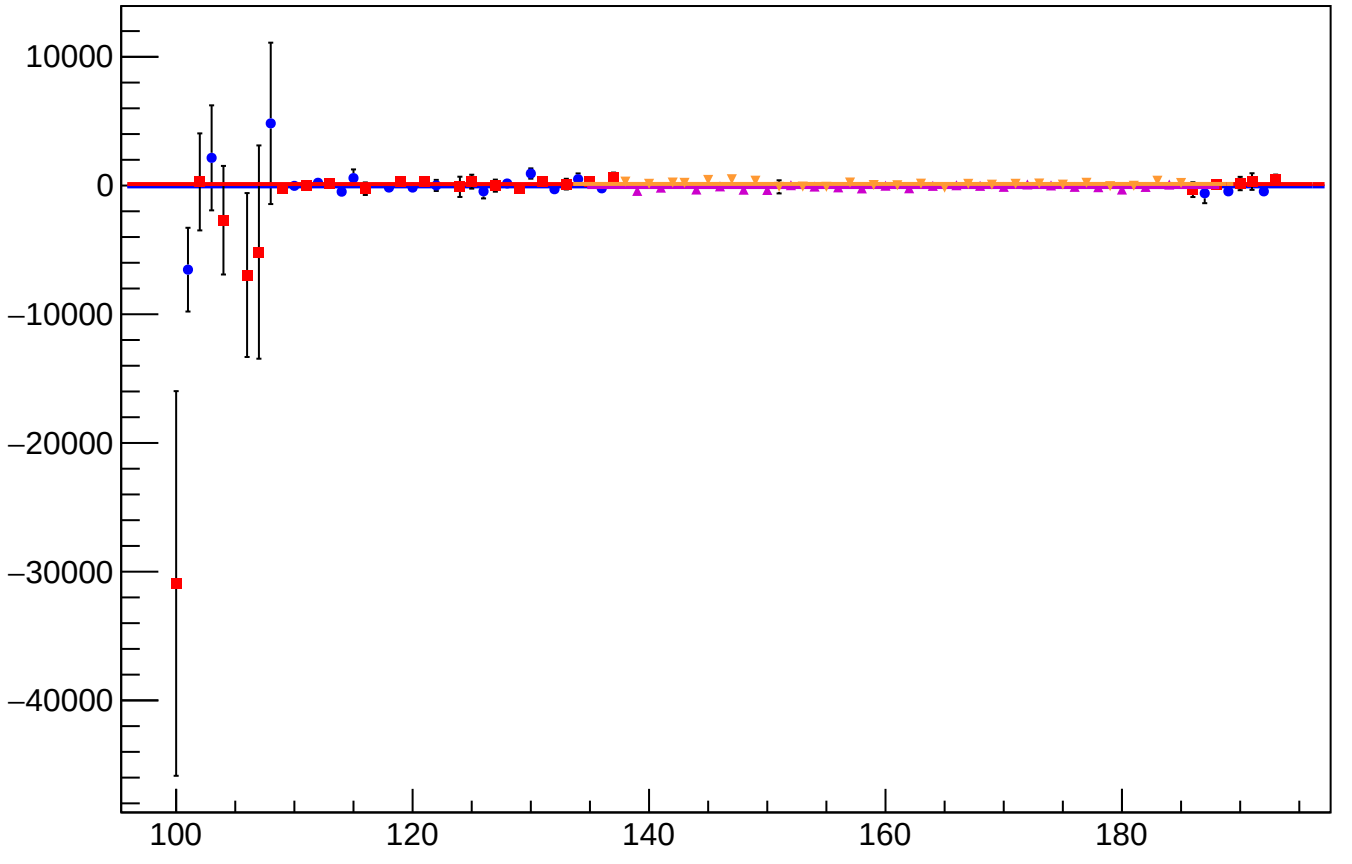
Right Out: 24.699+/-0.005 χ^2/NDF: 38295.5/23

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.262+/-0.003 χ^2/NDF: 73259.6/43

All: 25.139+/-0.002 χ^2/NDF: 145487.8/90

- sign 25.020+/-0.003 χ^2/NDF: 69593.2/46



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: 115.746+/-71.831 χ^2/NDF: 15.4/23

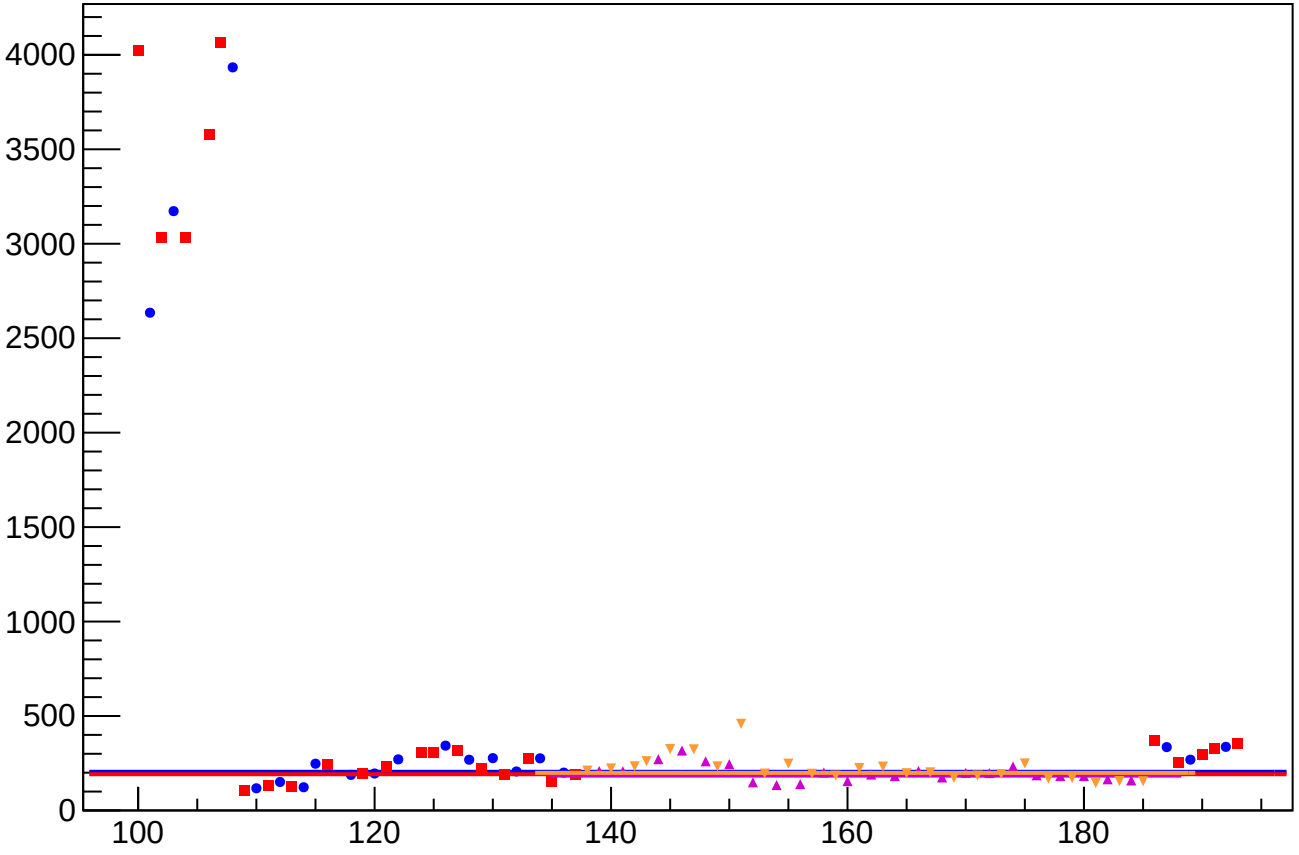
Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign 76.148+/-40.456 χ^2/NDF: 36.9/43

All: 8.225+/-27.719 χ^2/NDF: 73.1/90

- sign -51.880+/-38.056 χ^2/NDF: 30.9/46

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

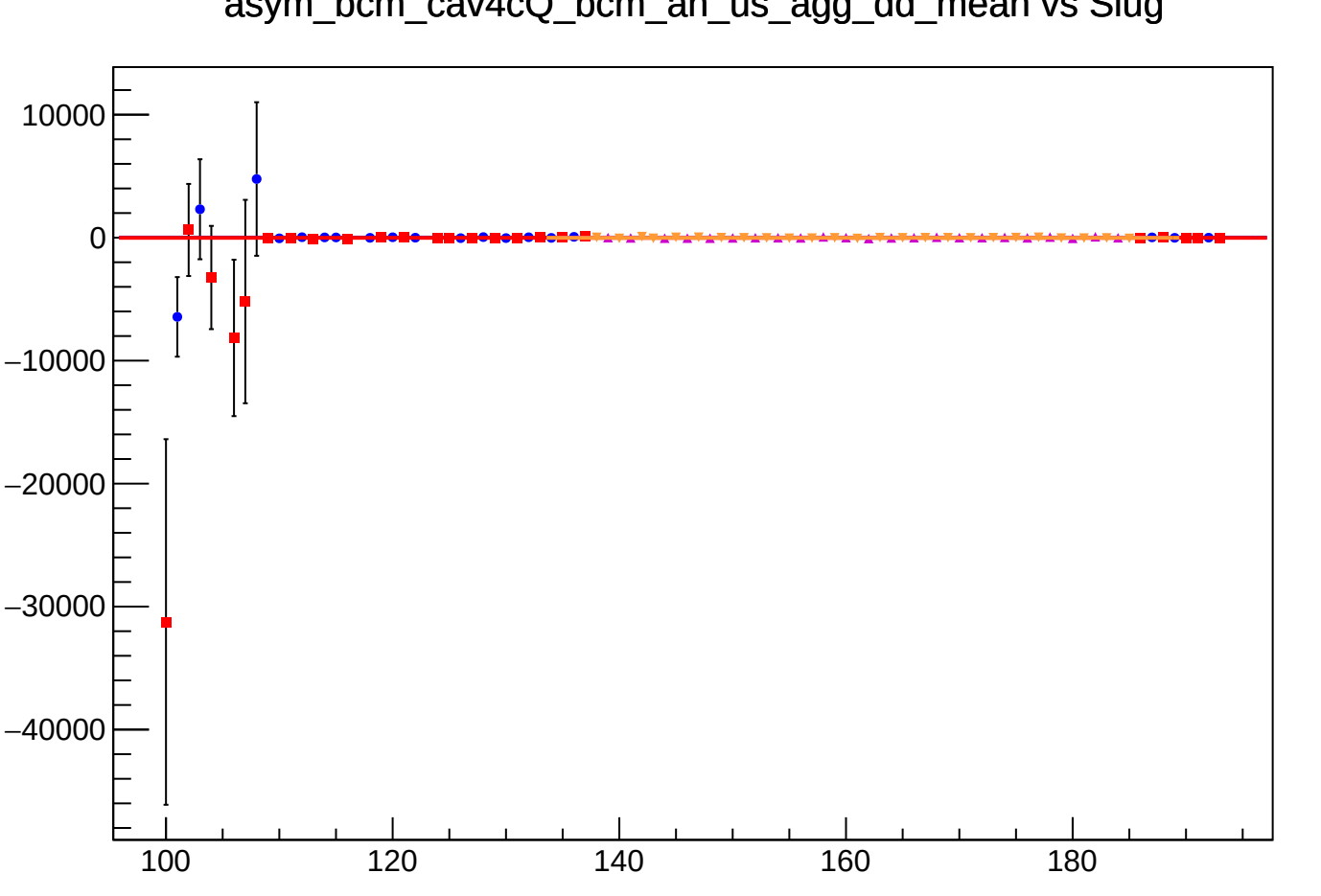
Right Out: 191.788+/-0.051 χ^2/NDF: 5221337.1/23

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 200.464+/-0.029 χ^2/NDF: 6192580.0/43

All: 193.041+/-0.020 χ^2/NDF: 13002358.8/90

- sign 186.473+/-0.027 χ^2/NDF: 6682867.0/46



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: -13.855+/-9.680 χ^2/NDF: 26.8/23

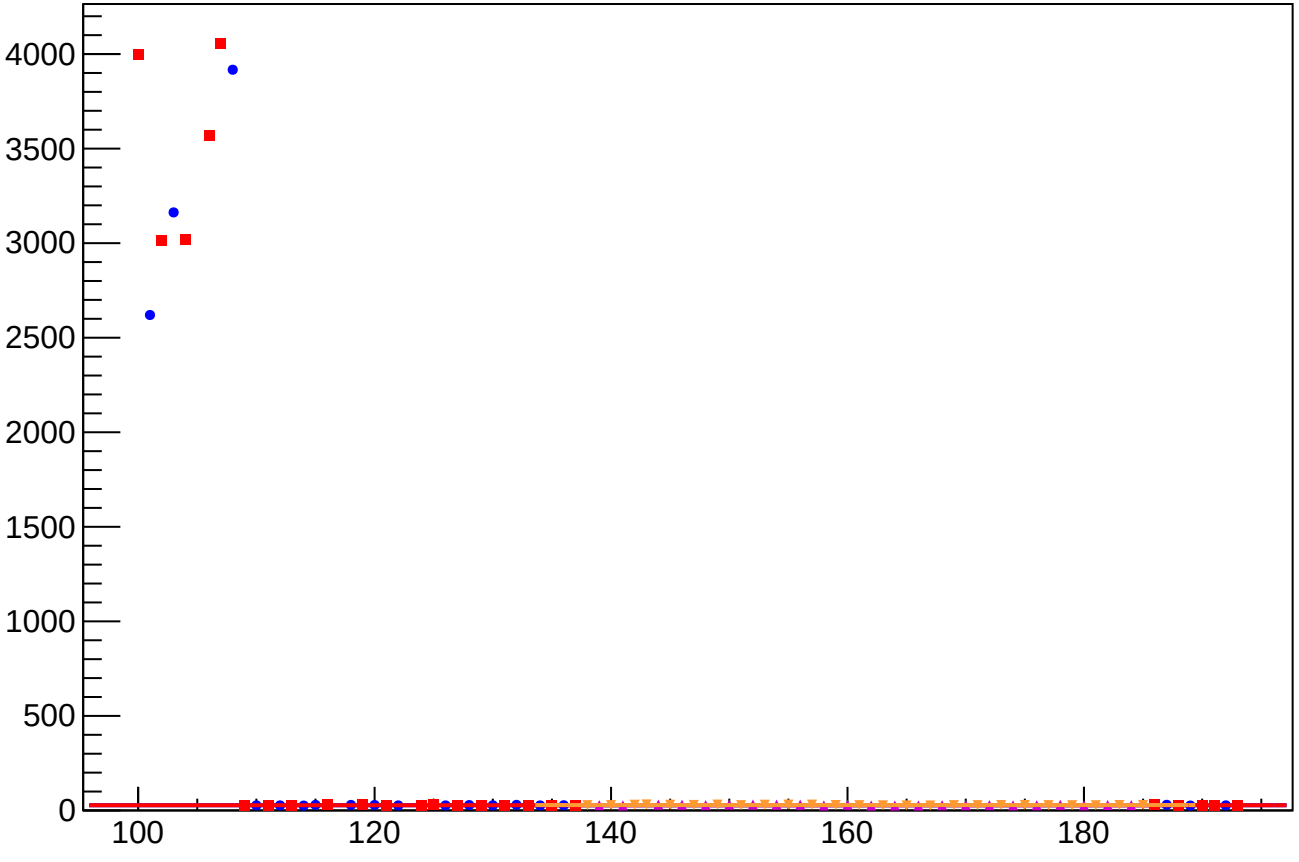
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -8.588+/-5.484 χ^2/NDF: 41.9/43

All: -7.280+/-3.887 χ^2/NDF: 98.1/90

- sign -5.959+/-5.511 χ^2/NDF: 56.1/46

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

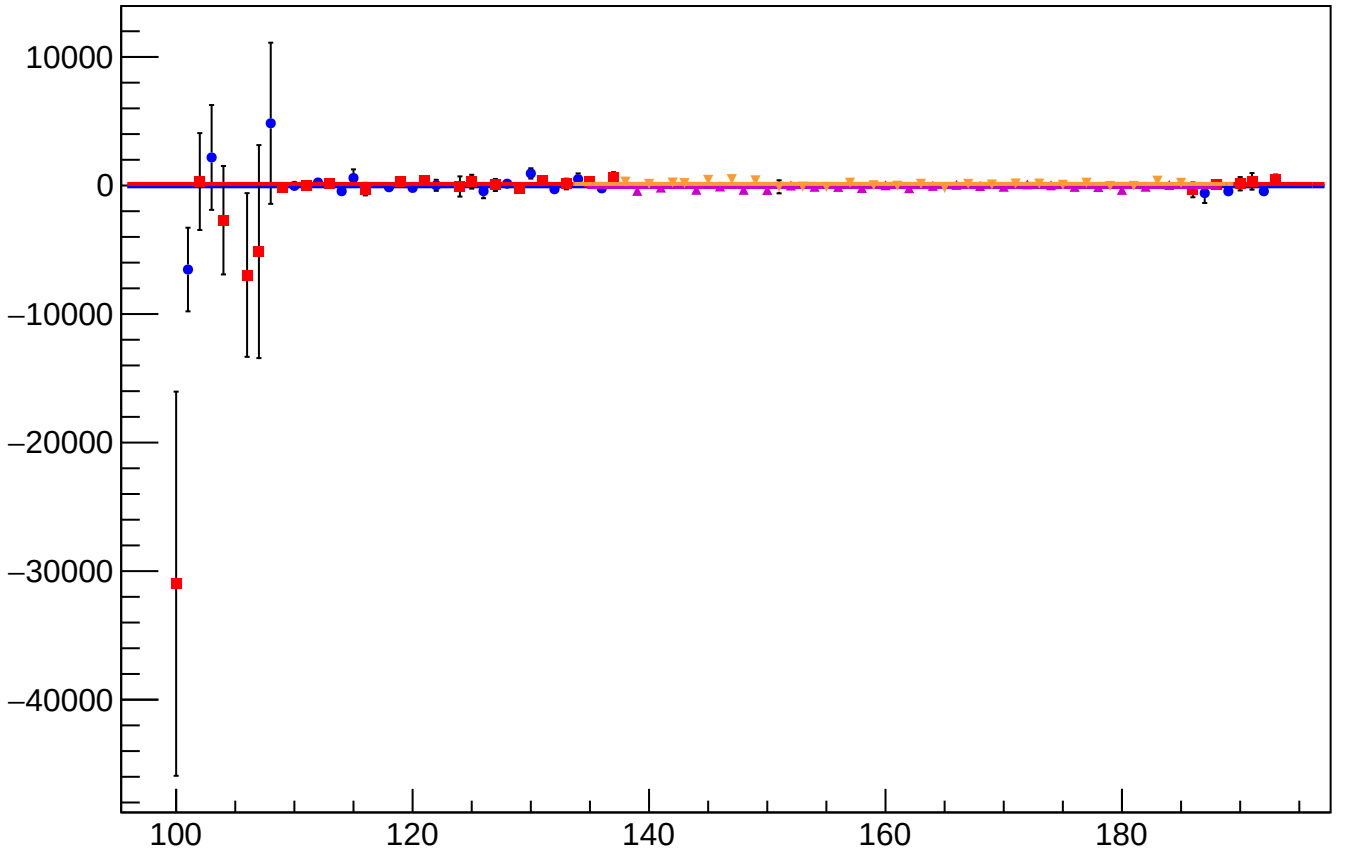
Right Out: 27.594+/-0.007 χ^2/NDF: 3578468.8/23

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.254+/-0.004 χ^2/NDF: 3378800.3/43

All: 28.266+/-0.003 χ^2/NDF: 7094998.9/90

- sign 28.278+/-0.004 χ^2/NDF: 3716179.9/46



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: 121.387+/-71.642 χ^2/NDF: 15.9/23

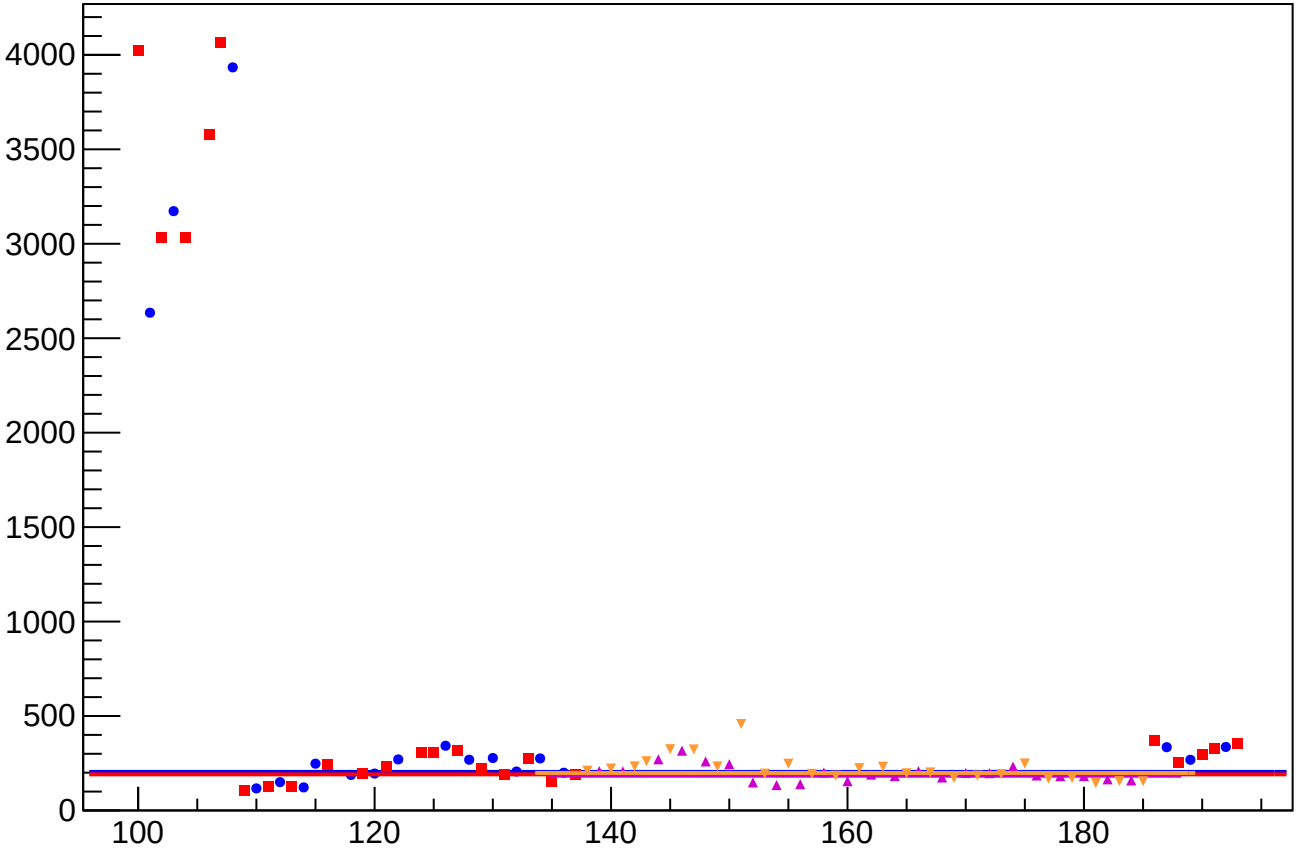
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 74.358+/-40.363 χ^2/NDF: 37.5/43

All: 8.674+/-27.658 χ^2/NDF: 74.7/90

- sign -49.472+/-37.976 χ^2/NDF: 32.2/46

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 204.042+/-0.056 χ^2/NDF: 4297622.2/18

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

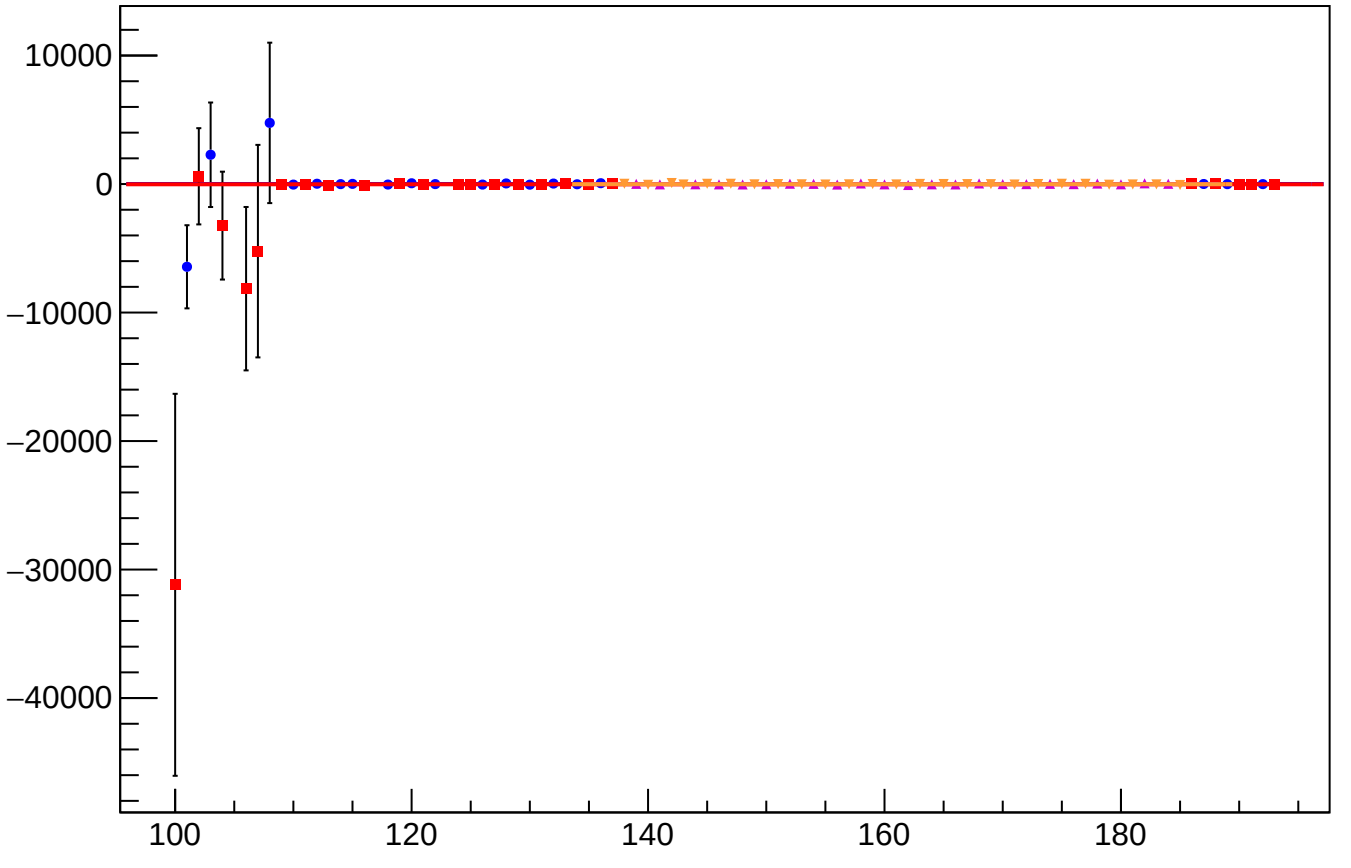
Right Out: 191.159+/-0.051 χ^2/NDF: 5240142.2/23

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 199.977+/-0.029 χ^2/NDF: 6206143.1/43

All: 192.588+/-0.020 χ^2/NDF: 13032195.6/90

- sign 186.048+/-0.027 χ^2/NDF: 6699725.6/46



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: -19.335+/-9.718 χ^2/NDF: 25.5/23

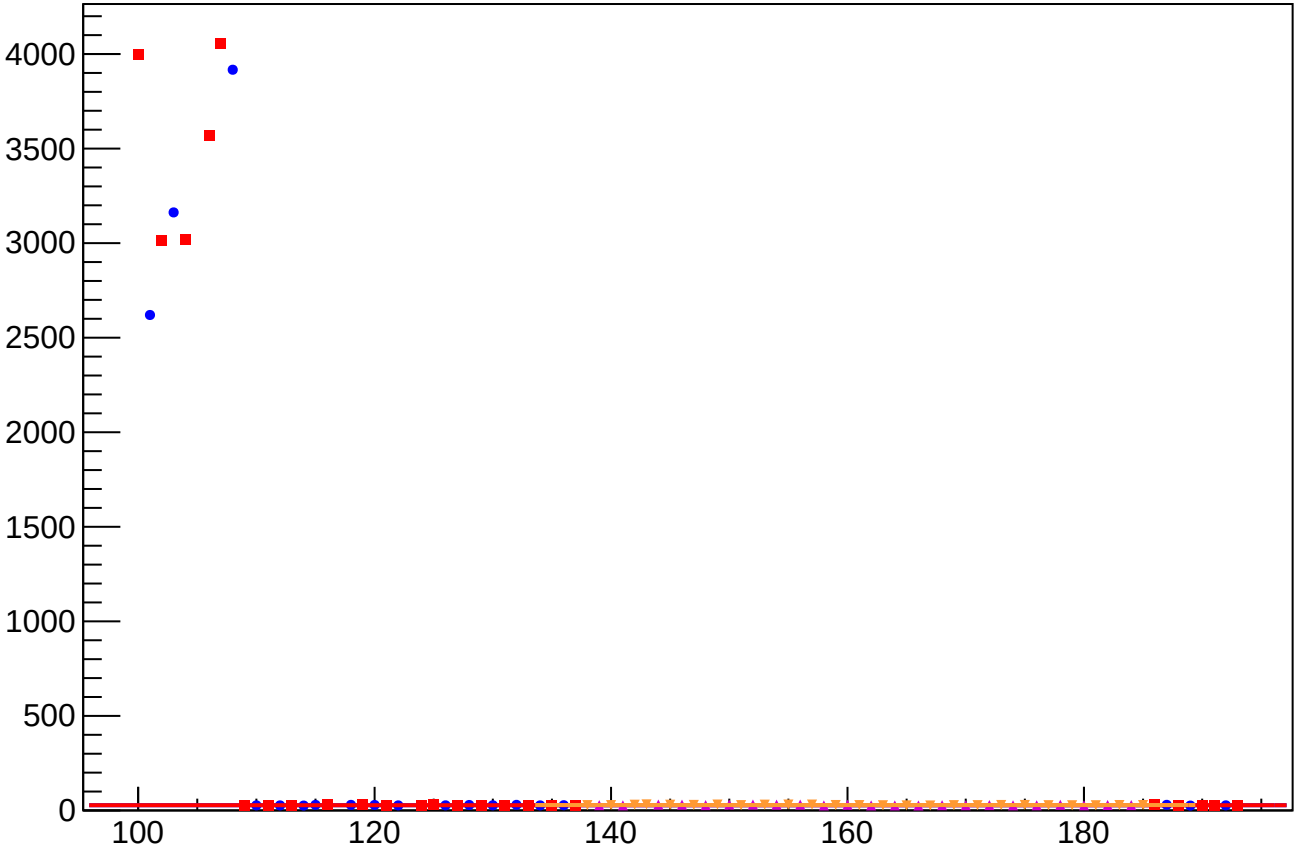
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -7.454+/-5.509 χ^2/NDF: 38.1/43

All: -7.731+/-3.904 χ^2/NDF: 87.8/90

- sign -8.011+/-5.534 χ^2/NDF: 49.7/46

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: 27.702+/-0.007 χ^2/NDF: 3576340.3/23

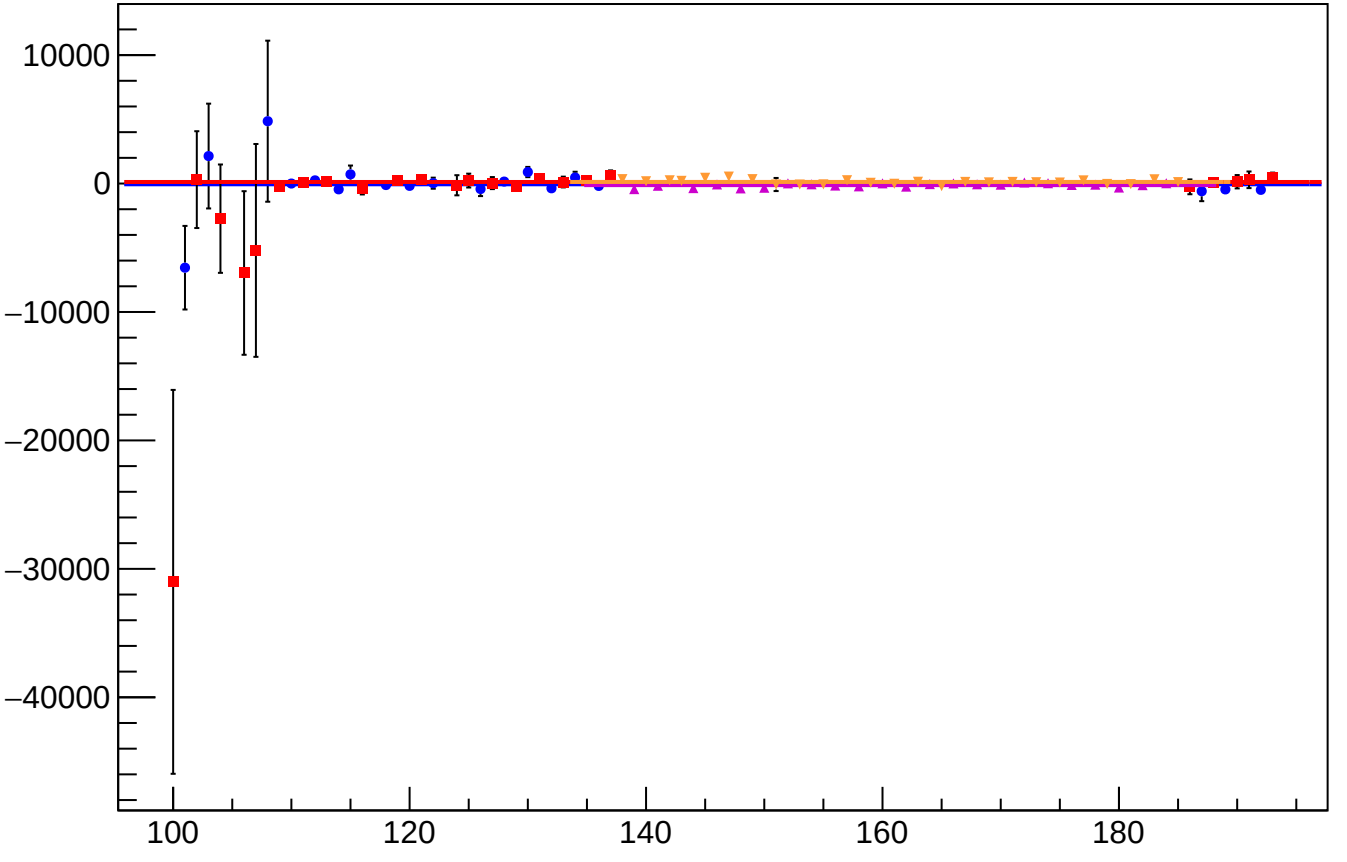
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.377+/-0.004 χ^2/NDF: 3391149.0/43

All: 28.386+/-0.003 χ^2/NDF: 7109924.0/90

\- sign 28.395+/-0.004 χ^2/NDF: 3718764.2/46

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



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: 121.306+/-72.533 χ^2/NDF: 15.0/23

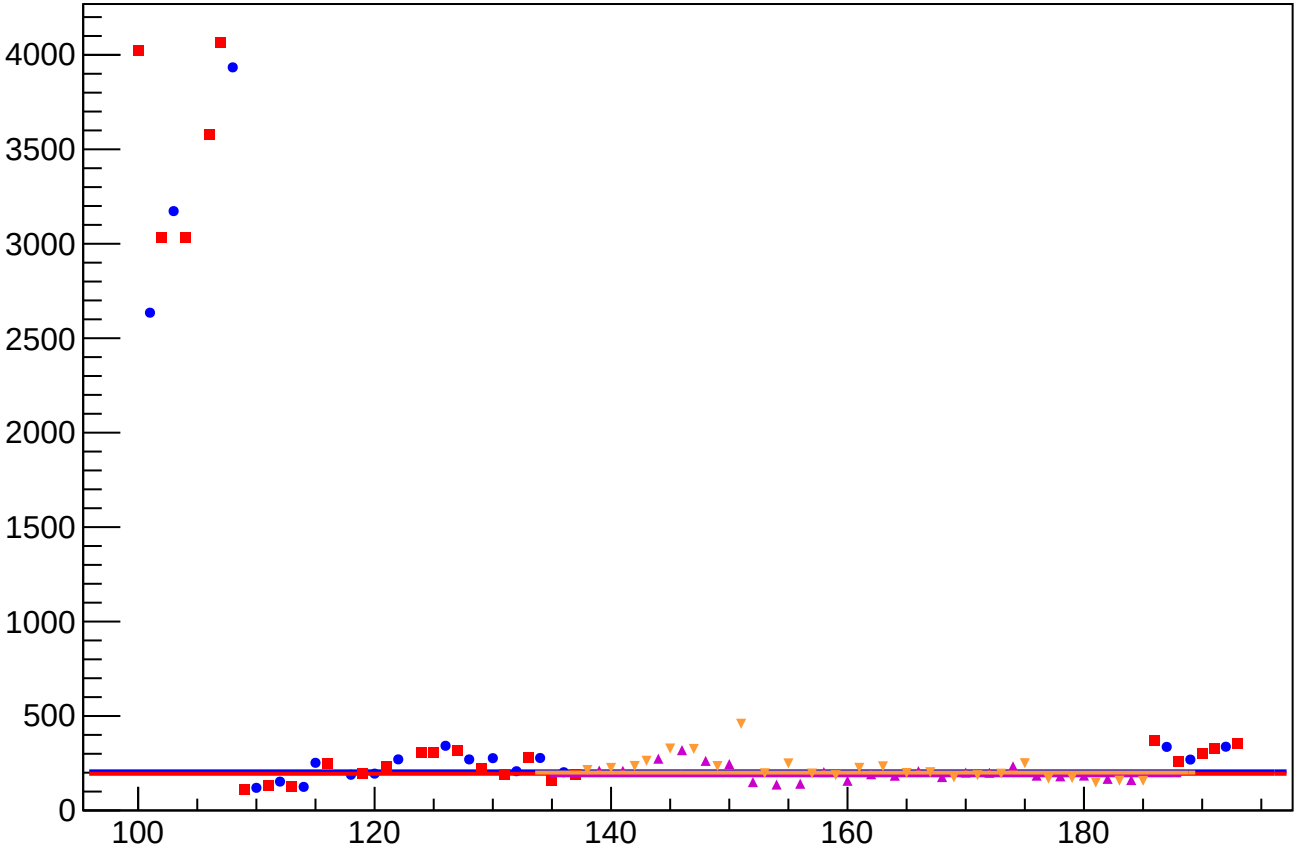
Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 76.609+/-40.786 χ^2/NDF: 37.0/43

All: 7.088+/-27.960 χ^2/NDF: 74.0/90

- sign -54.548+/-38.403 χ^2/NDF: 31.6/46

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: 194.163+/-0.051 χ^2/NDF: 5152907.4/23

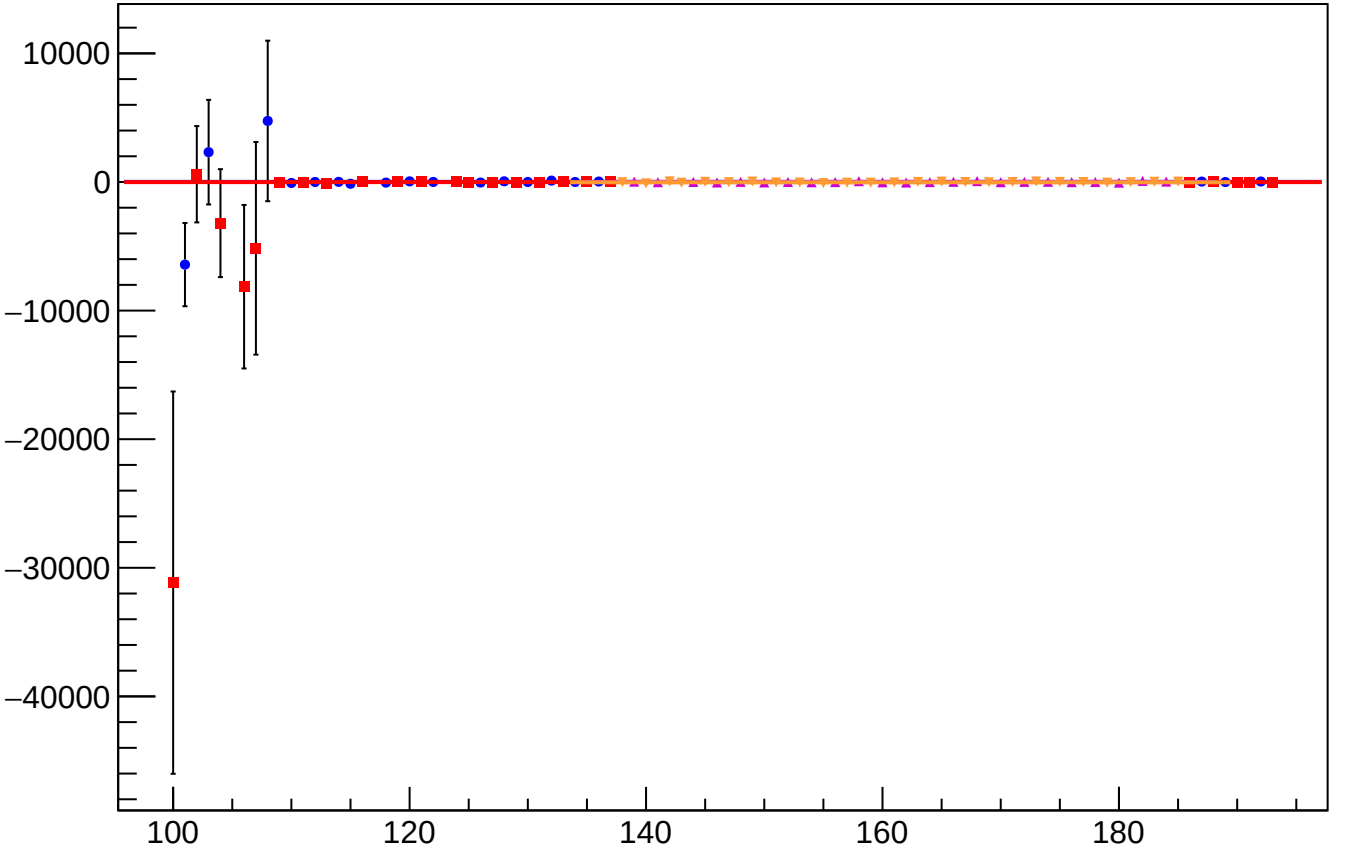
Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 202.287+/-0.029 χ^2/NDF: 6121290.5/43

All: 194.931+/-0.020 χ^2/NDF: 12827793.8/90

- sign 188.410+/-0.027 χ^2/NDF: 6583778.6/46

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: -7.848+/-11.836 χ^2/NDF: 25.9/23

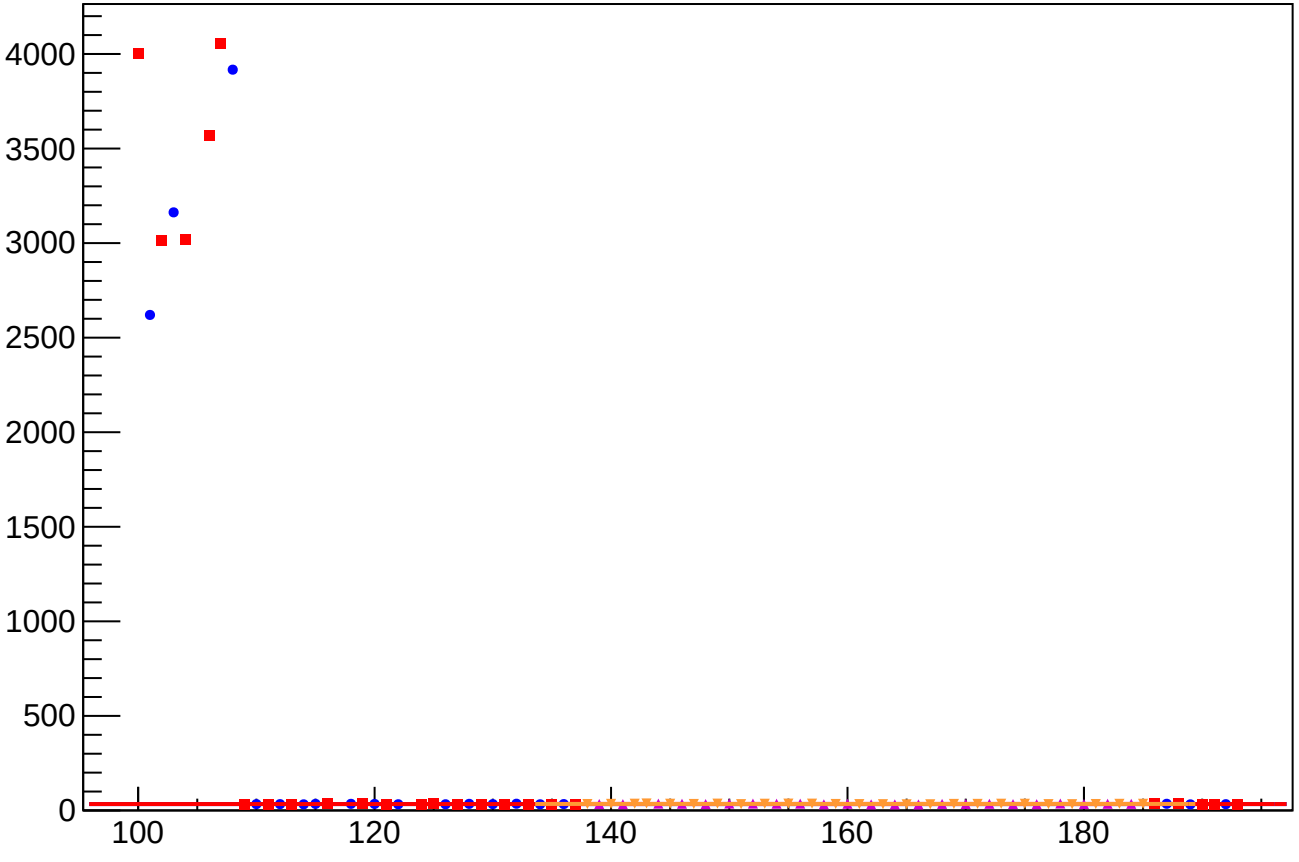
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -12.445+/-6.635 χ^2/NDF: 45.7/43

All: -6.136+/-4.706 χ^2/NDF: 93.1/90

- sign 0.251+/-6.675 χ^2/NDF: 45.5/46

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

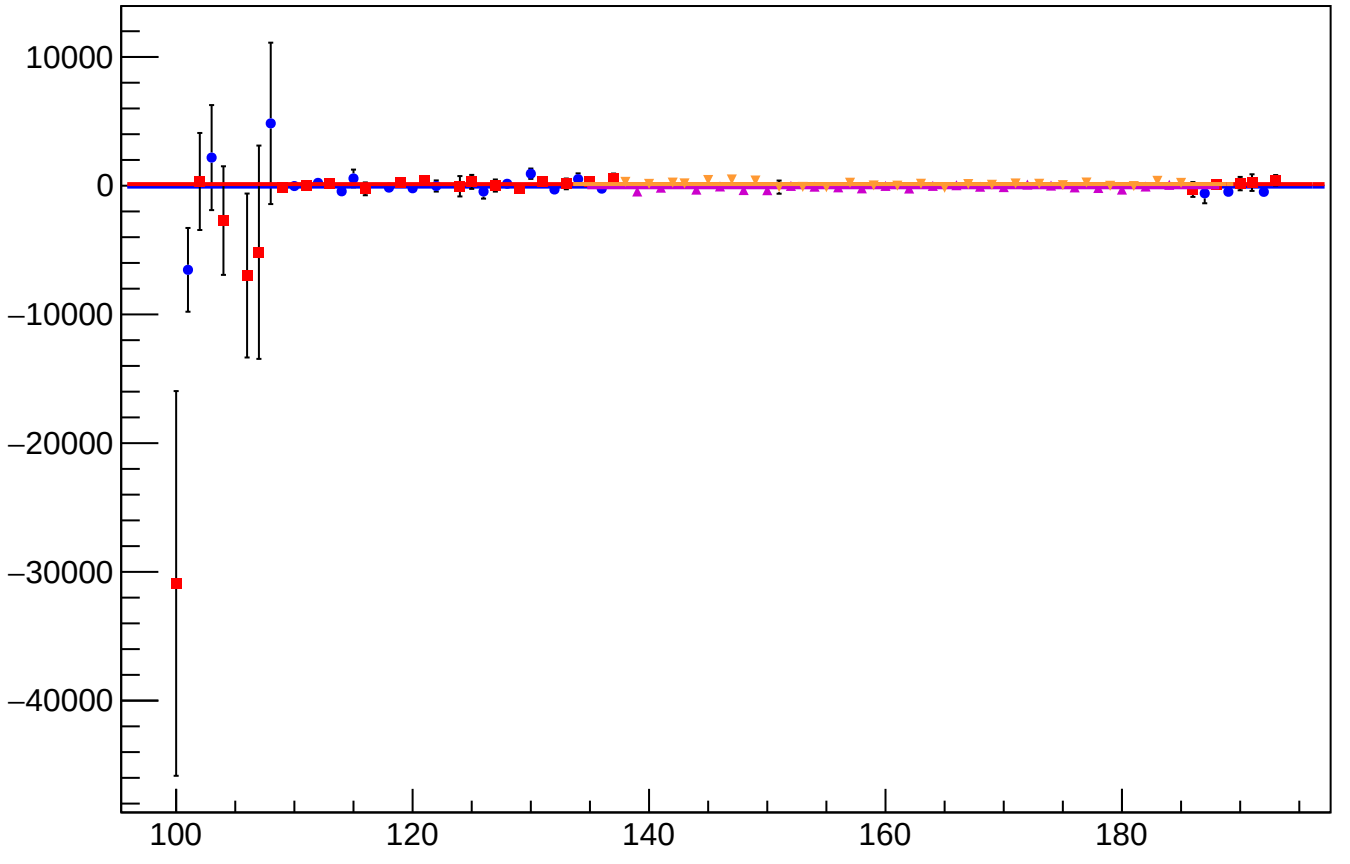
Right Out: 33.818+/-0.008 χ^2/NDF: 3536116.2/23

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.229+/-0.005 χ^2/NDF: 3298003.6/43

All: 34.274+/-0.003 χ^2/NDF: 6898827.6/90

- sign 34.319+/-0.005 χ^2/NDF: 3600643.9/46



Right In: -71.844+/-80.157 χ^2/NDF: 21.6/18

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

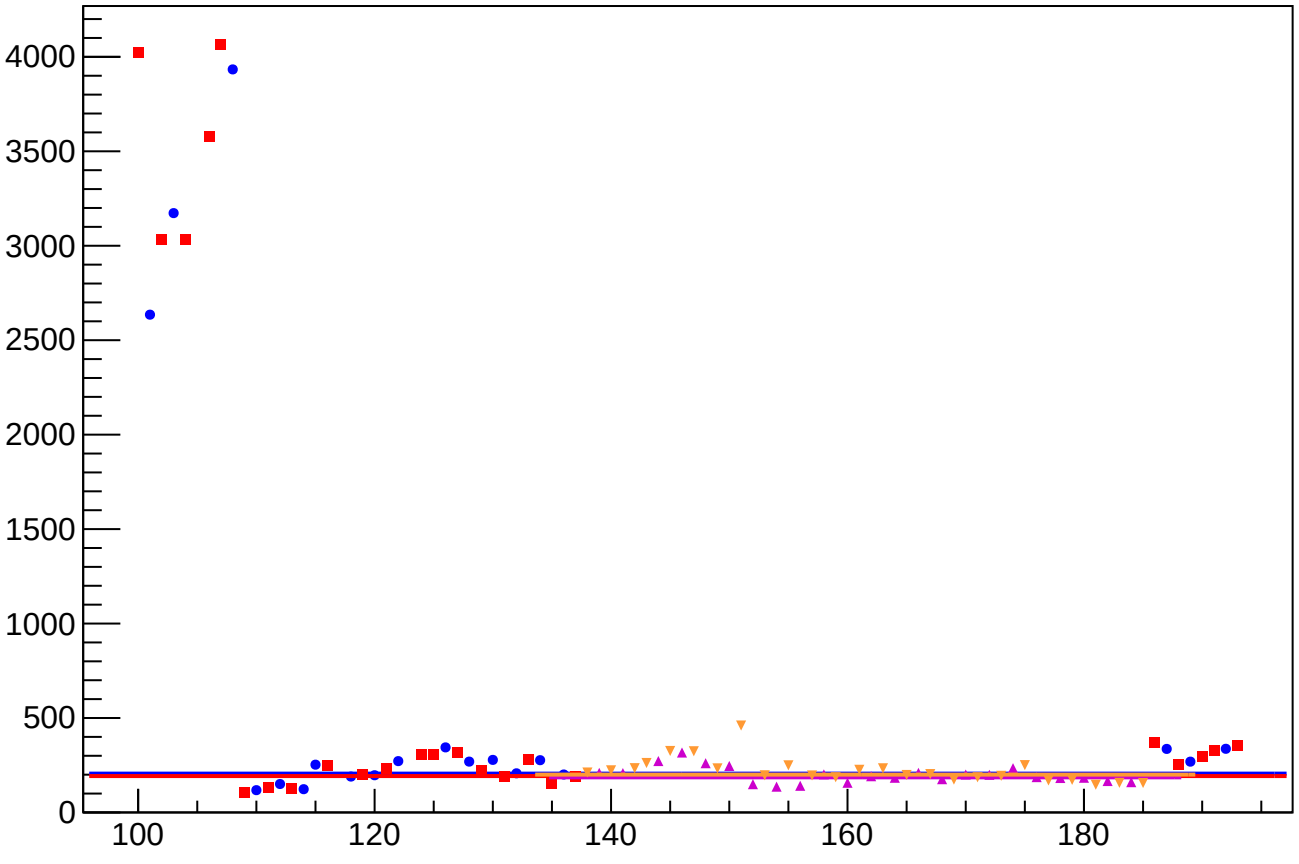
Right Out: 123.780+/-72.119 χ^2/NDF: 14.4/23

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 76.271+/-40.690 χ^2/NDF: 37.8/43

All: 7.583+/-27.888 χ^2/NDF: 74.0/90

- sign -53.268+/-38.299 χ^2/NDF: 30.8/46



Right In: 205.564+/-0.057 χ^2/NDF: 4279141.3/18

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

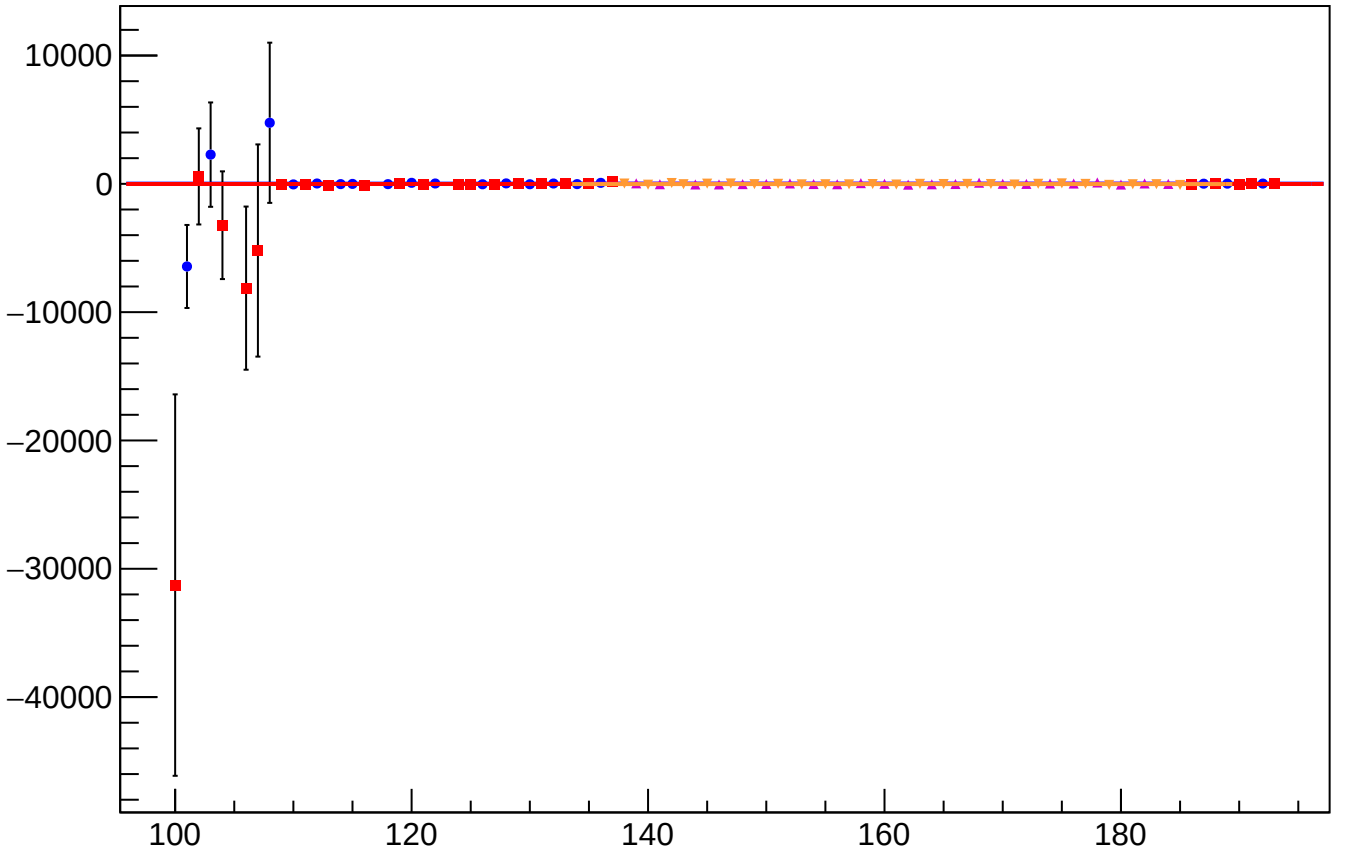
Right Out: 192.615+/-0.051 χ^2/NDF: 5217433.2/23

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 201.710+/-0.029 χ^2/NDF: 6161903.2/43

All: 194.320+/-0.020 χ^2/NDF: 12921824.7/90

- sign 187.773+/-0.027 χ^2/NDF: 6635514.6/46



Right In: 14.982+/-11.328 χ^2/NDF: 15.5/18

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

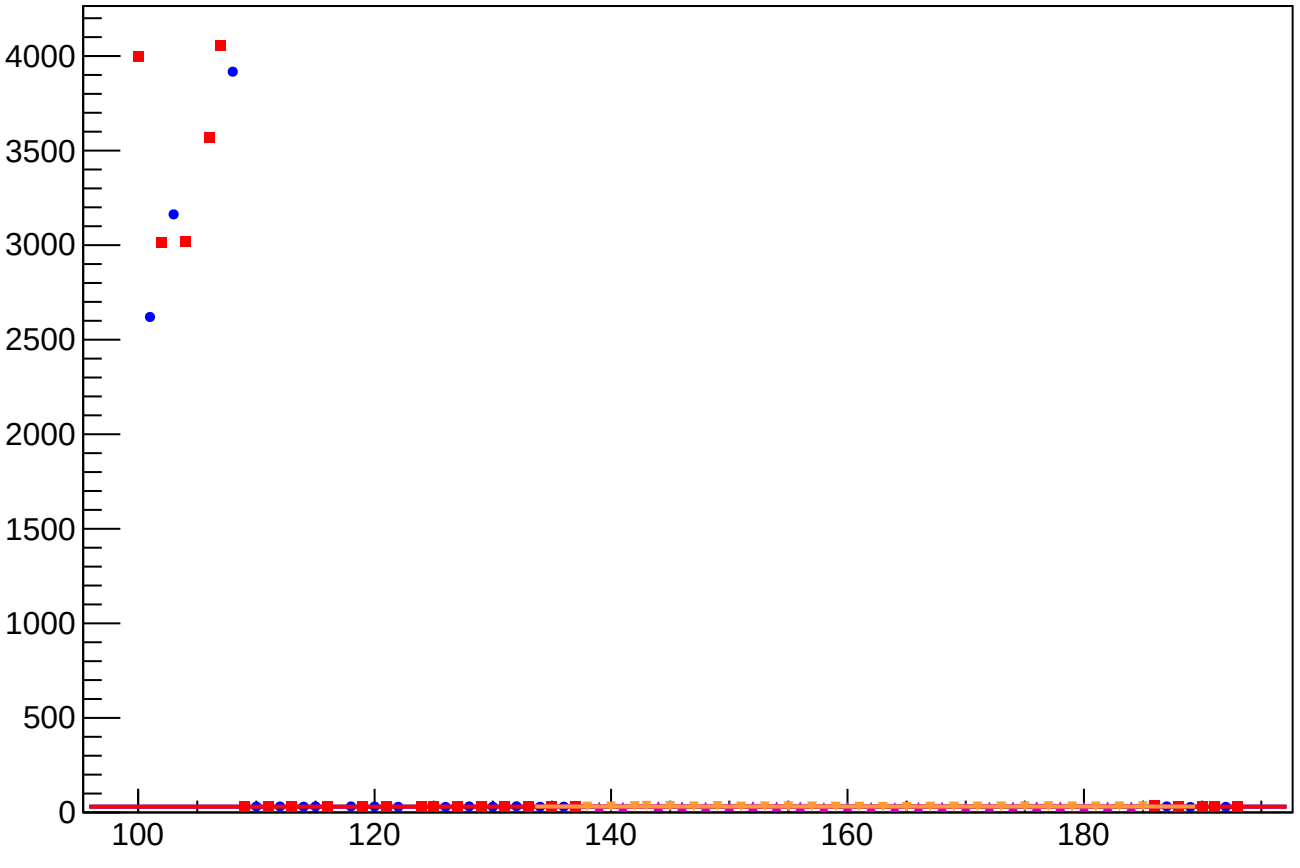
Right Out: -12.602+/-10.754 χ^2/NDF: 32.7/23

Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -9.048+/-6.037 χ^2/NDF: 42.2/43

All: -5.623+/-4.279 χ^2/NDF: 112.4/90

- sign -2.164+/-6.067 χ^2/NDF: 69.6/46



Right In: 30.580+/-0.008 χ^2/NDF: 3261564.6/18

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

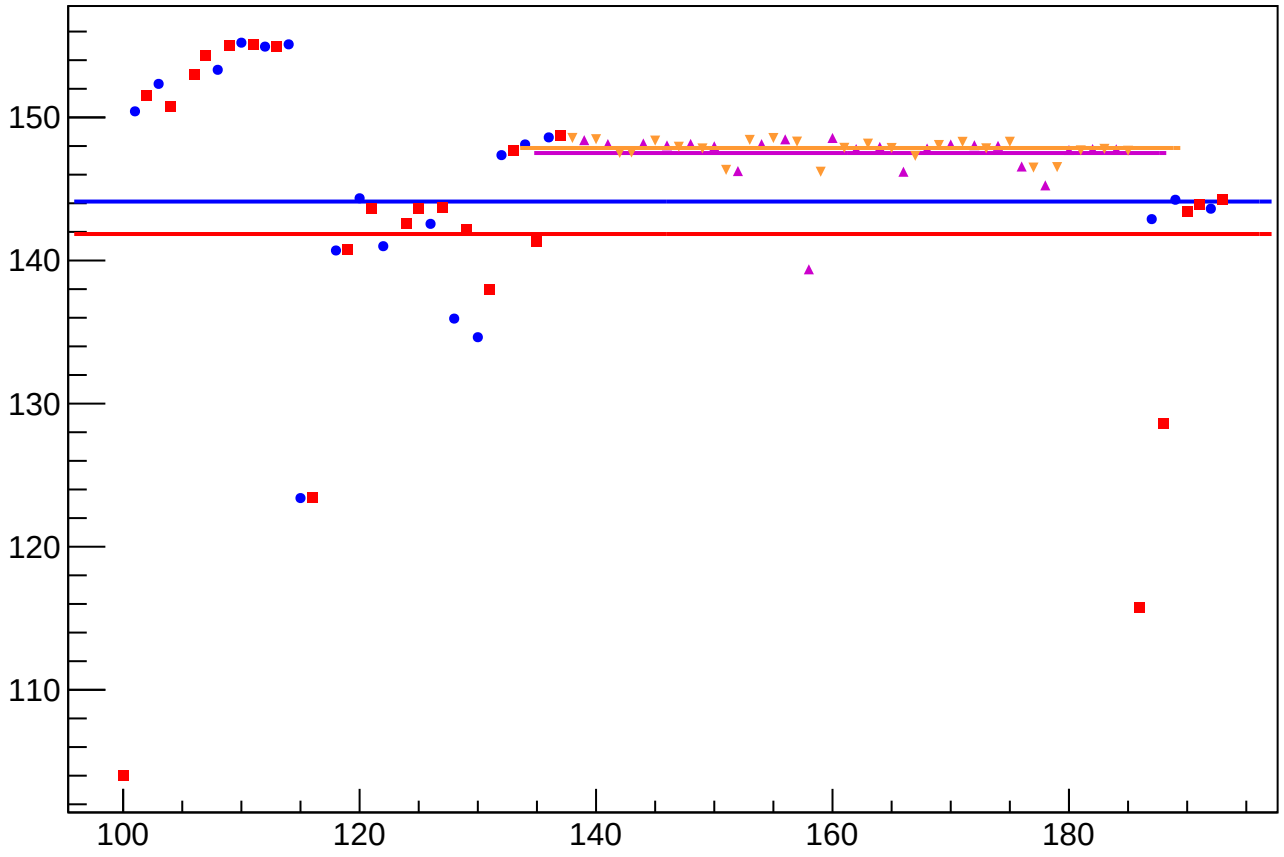
Right Out: 30.691+/-0.008 χ^2/NDF: 3550754.6/23

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 31.124+/-0.004 χ^2/NDF: 3331028.7/43

All: 31.142+/-0.003 χ^2/NDF: 6972629.8/90

- sign 31.160+/-0.004 χ^2/NDF: 3641564.8/46



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: 141.852+/-0.000 χ^2/NDF: 7425242042.5/23

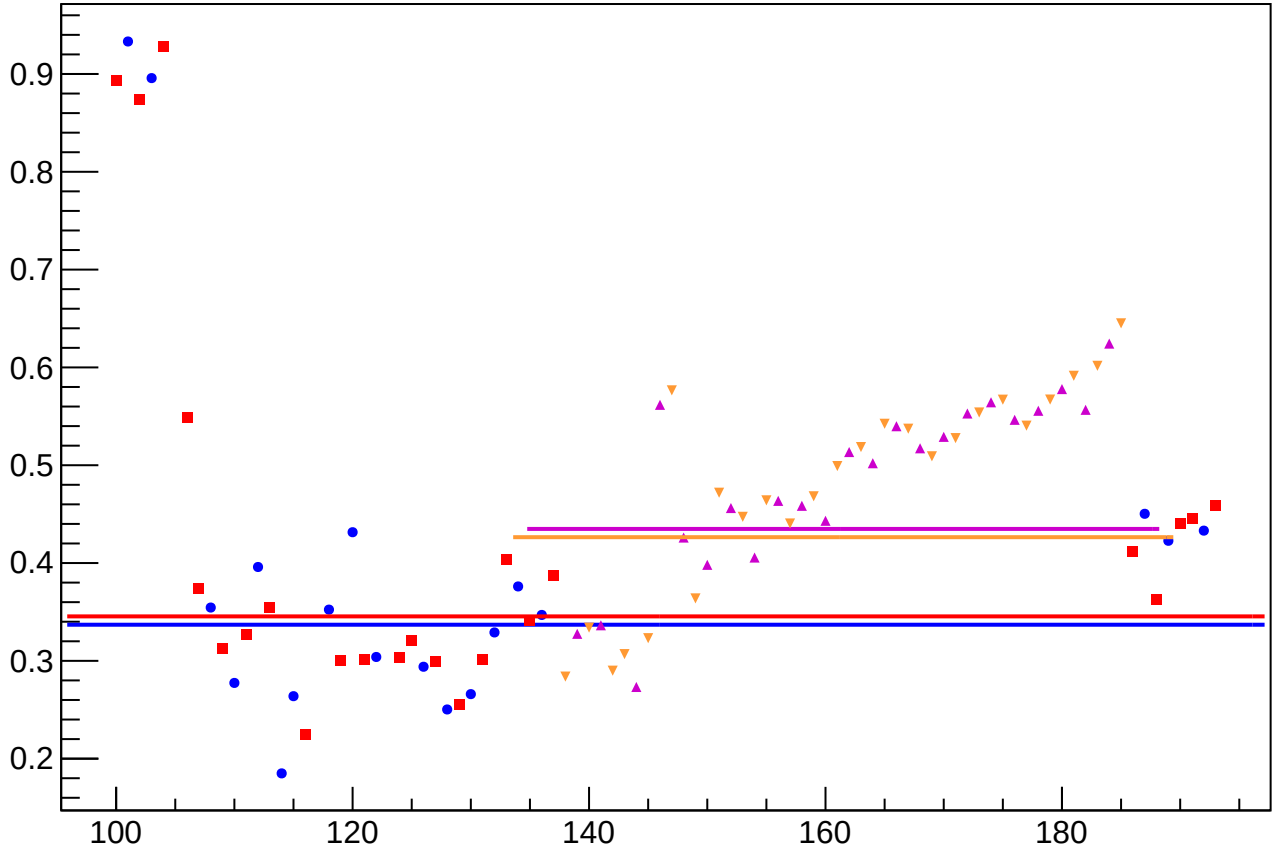
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.355+/-0.000 χ^2/NDF: 4320519008.2/43

All: 145.670+/-0.000 χ^2/NDF: 13482055732.

- sign 144.981+/-0.000 χ^2/NDF: 9008679890.2/46

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

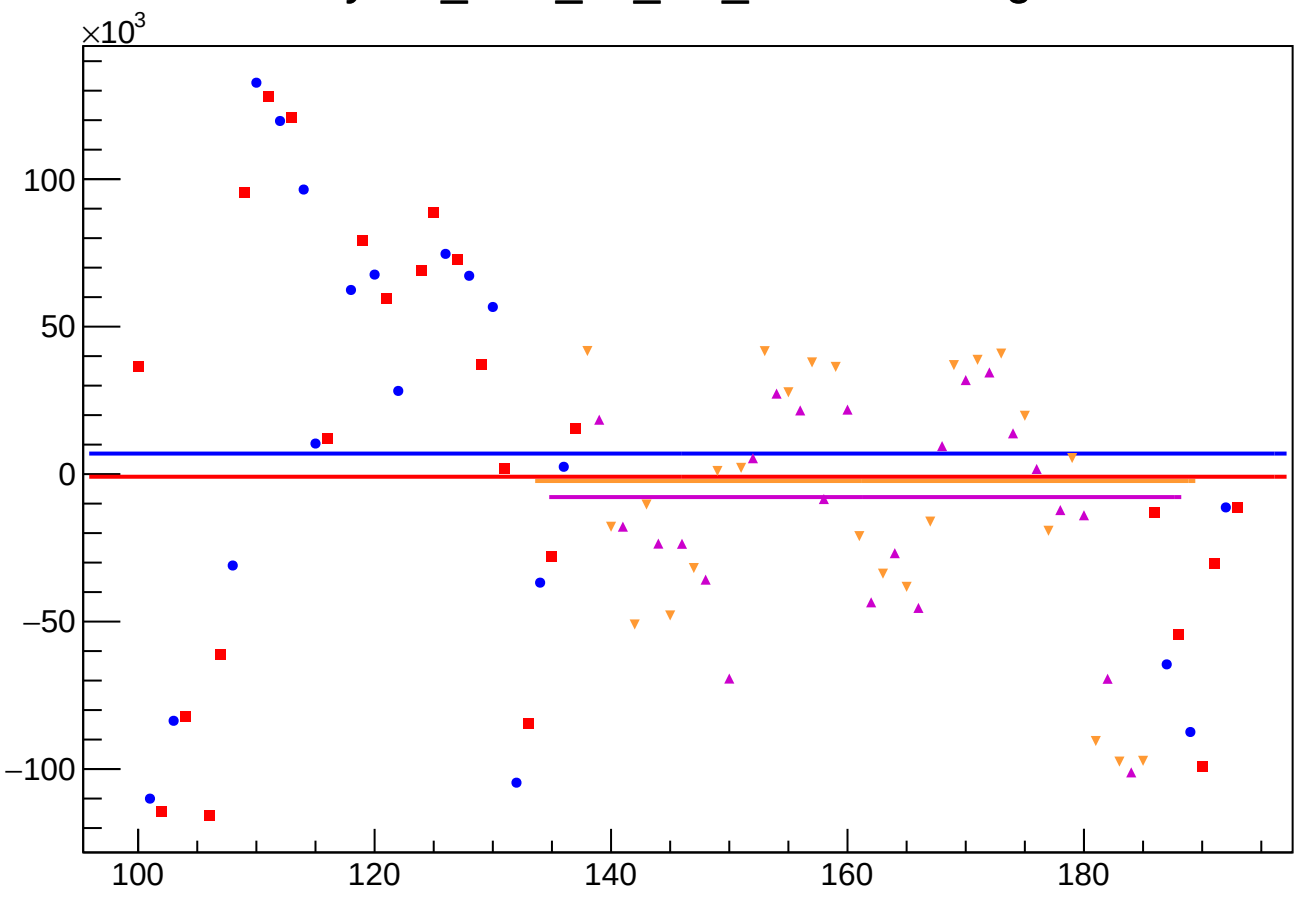
Right Out: 0.345+/-0.000 χ^2/NDF: 1506037.8/23

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.390+/-0.000 χ^2/NDF: 4456970.8/43

All: 0.393+/-0.000 χ^2/NDF: 8378986.3/90

- sign 0.395+/-0.000 χ^2/NDF: 3918657.7/46



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: -891.019+/-1.635 χ^2/NDF: 2147023495.6/23

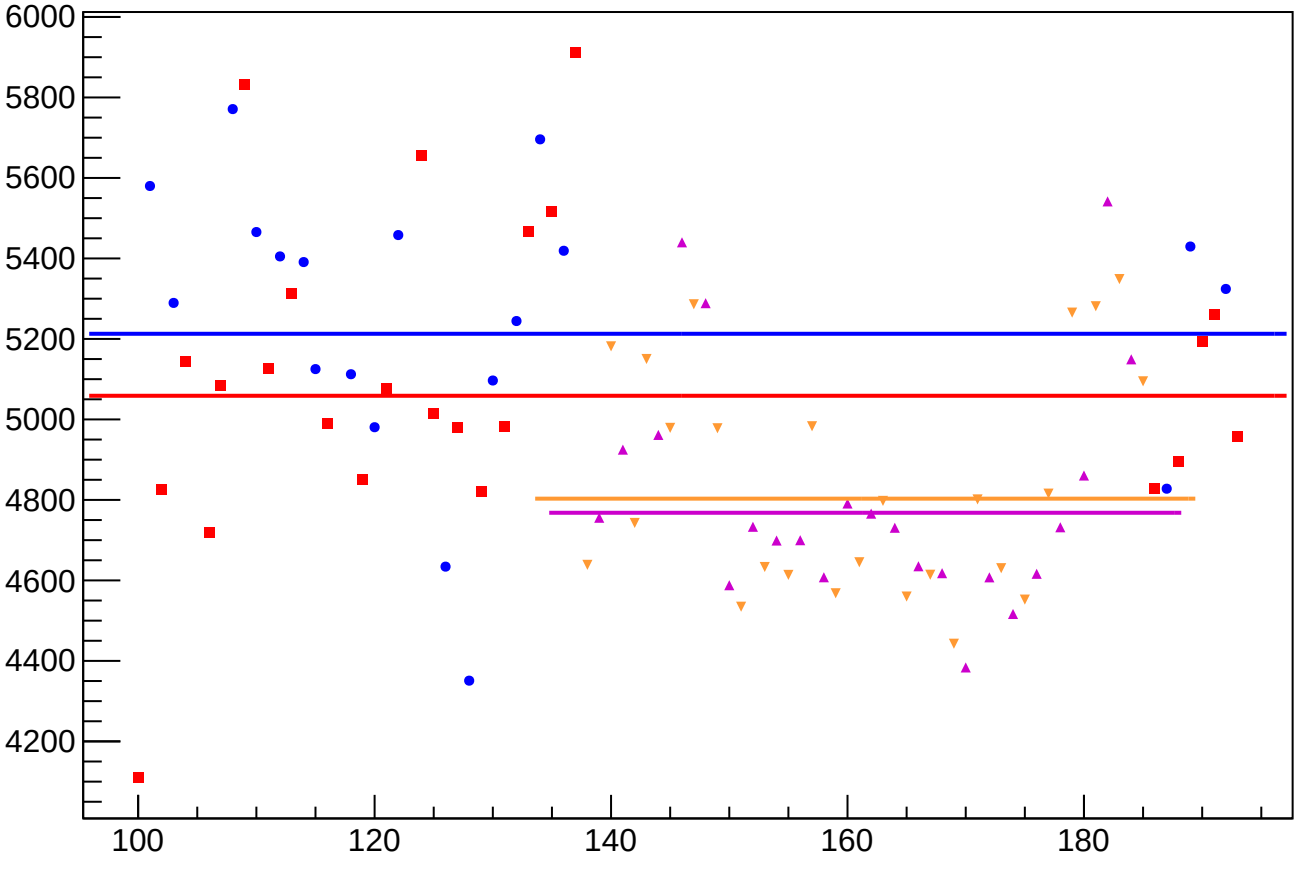
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign 236.336+/-0.955 χ^2/NDF: 2871550880.7/43

All: -2693.979+/-0.669 χ^2/NDF: 5811511895

- sign -5518.744+/-0.938 χ^2/NDF: 2921466286.4/46

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: 5058.769+/-1.156 χ^2/NDF: 65371.0/23

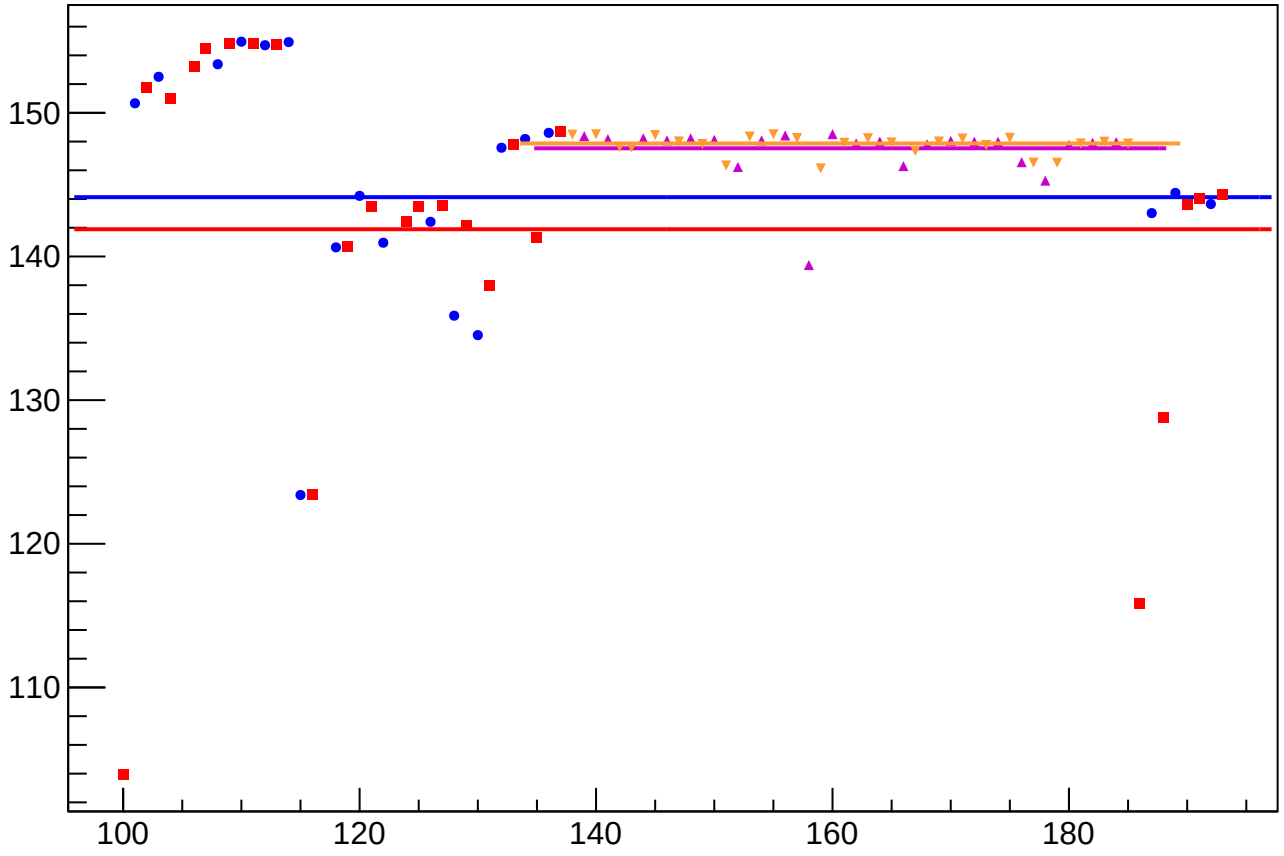
Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 4916.736+/-0.675 χ^2/NDF: 270252.7/43

All: 4889.732+/-0.473 χ^2/NDF: 483572.1/90

- sign 4863.701+/-0.663 χ^2/NDF: 210178.2/46

yield_bcm_an_ds_mean vs Slug



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: 141.896+/-0.000 χ^2/NDF: 7397112231.9/23

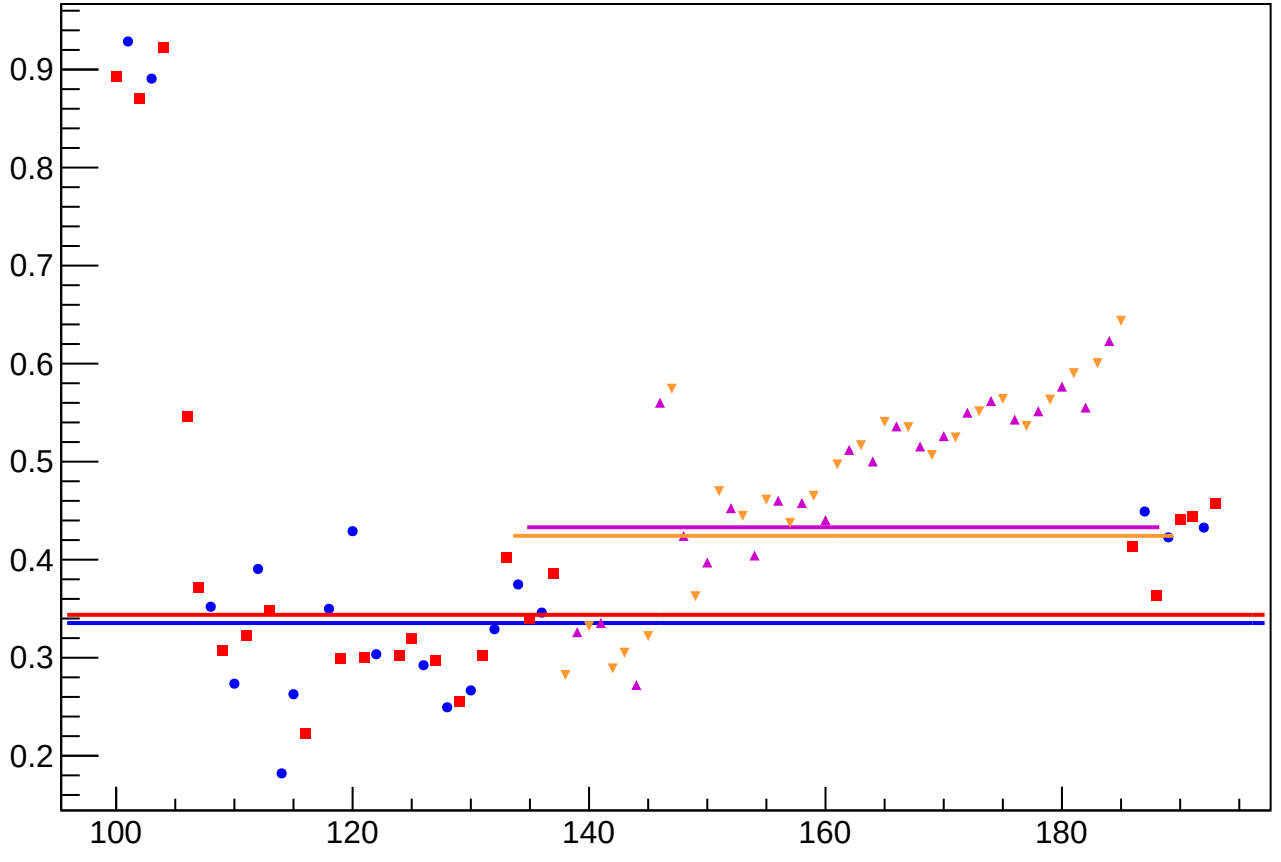
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.362+/-0.000 χ^2/NDF: 4364479089.4/43

All: 145.689+/-0.000 χ^2/NDF: 13495469734.

- sign 145.011+/-0.000 χ^2/NDF: 8981888205.1/46

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

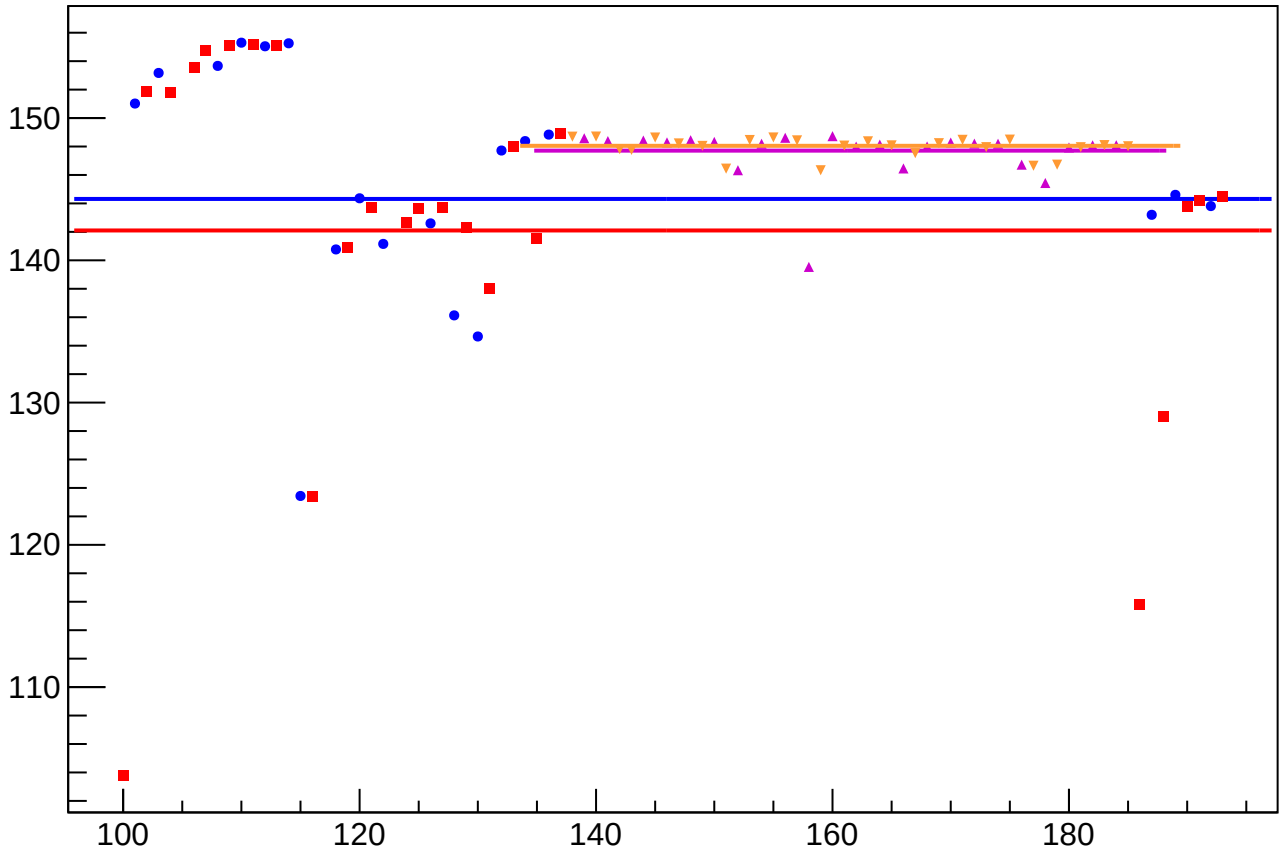
Right Out: 0.344+/-0.000 χ^2/NDF: 1512432.0/23

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.389+/-0.000 χ^2/NDF: 4461534.8/43

All: 0.391+/-0.000 χ^2/NDF: 8389981.0/90

- sign 0.393+/-0.000 χ^2/NDF: 3924978.6/46



Right In: 144.315+/-0.000 χ^2/NDF: 3761227898.9/18

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.099+/-0.000 χ^2/NDF: 7334569589.7/23

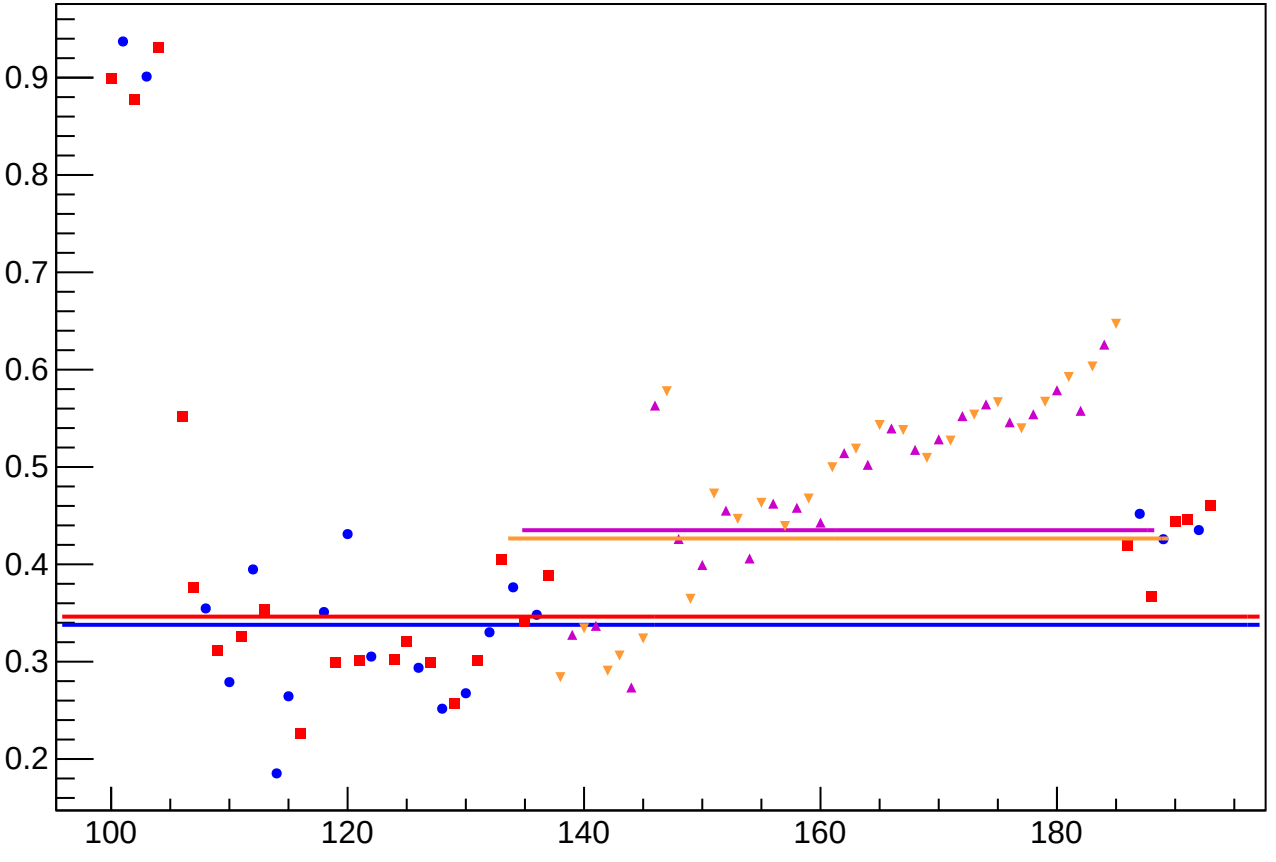
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.548+/-0.000 χ^2/NDF: 4349859105.3/43

All: 145.881+/-0.000 χ^2/NDF: 13392664161.

- sign 145.208+/-0.000 χ^2/NDF: 8897820944.3/46

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

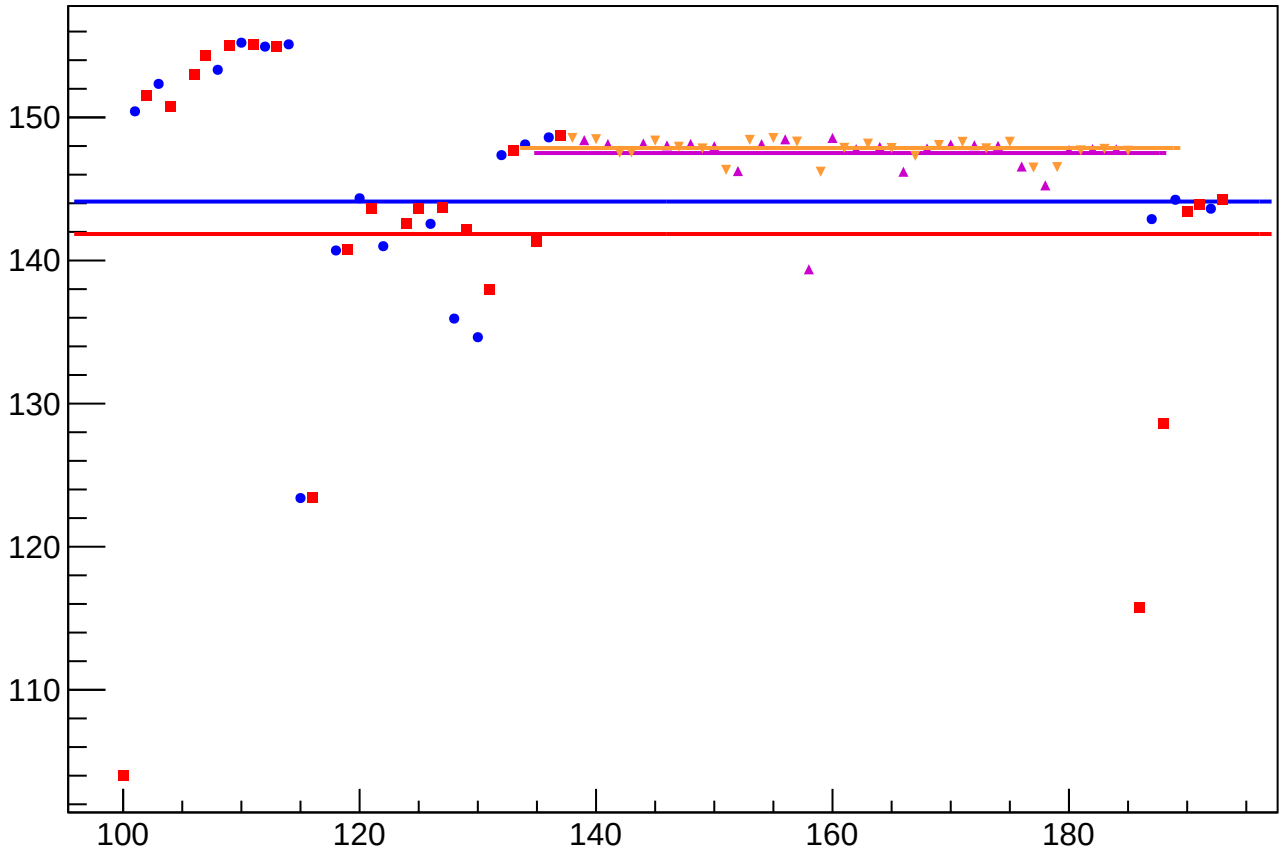
Right Out: 0.346+/-0.000 χ^2/NDF: 1514641.7/23

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.391+/-0.000 χ^2/NDF: 4441116.1/43

All: 0.393+/-0.000 χ^2/NDF: 8355123.0/90

- sign 0.395+/-0.000 χ^2/NDF: 3910639.5/46



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: 141.852+/-0.000 χ^2/NDF: 7425242042.5/23

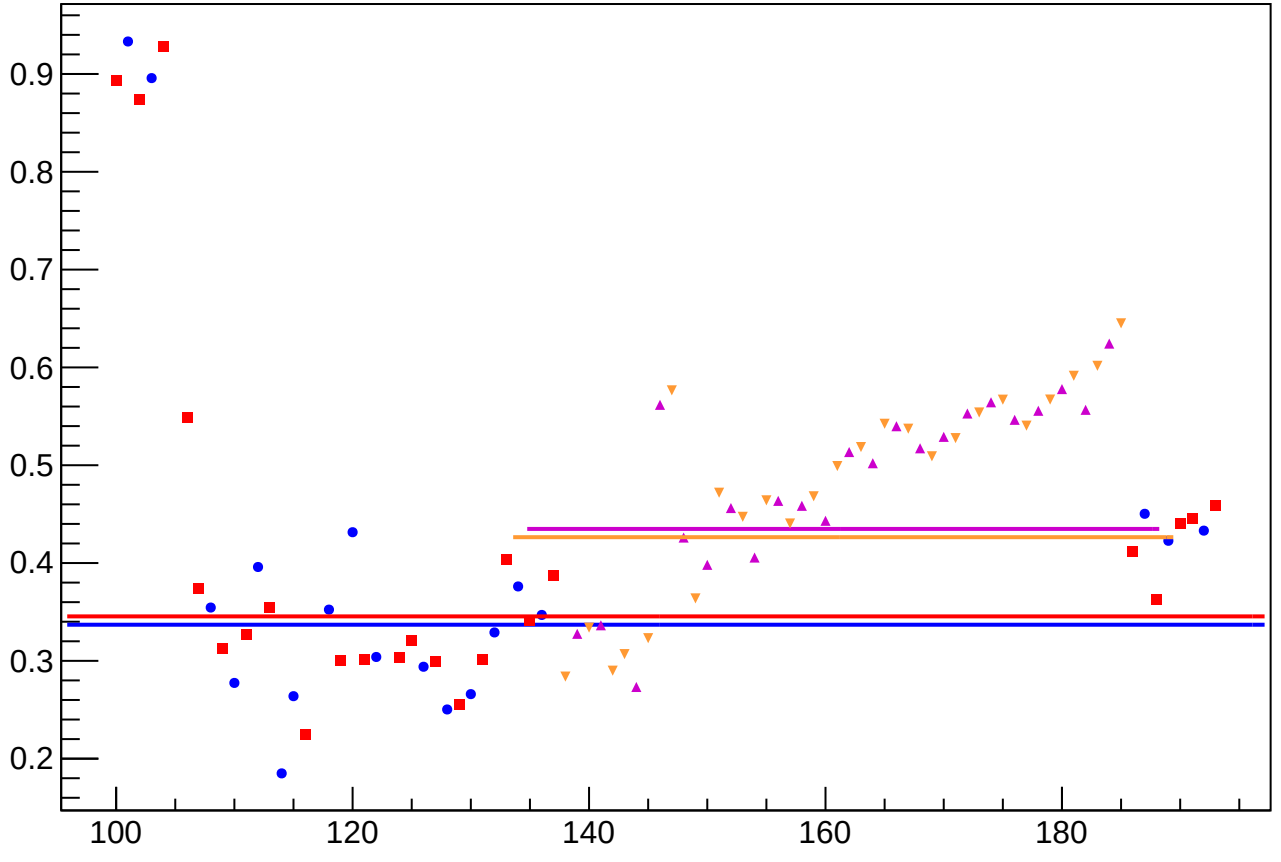
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.355+/-0.000 χ^2/NDF: 4320519008.2/43

All: 145.670+/-0.000 χ^2/NDF: 13482055732.

- sign 144.981+/-0.000 χ^2/NDF: 9008679890.2/46

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

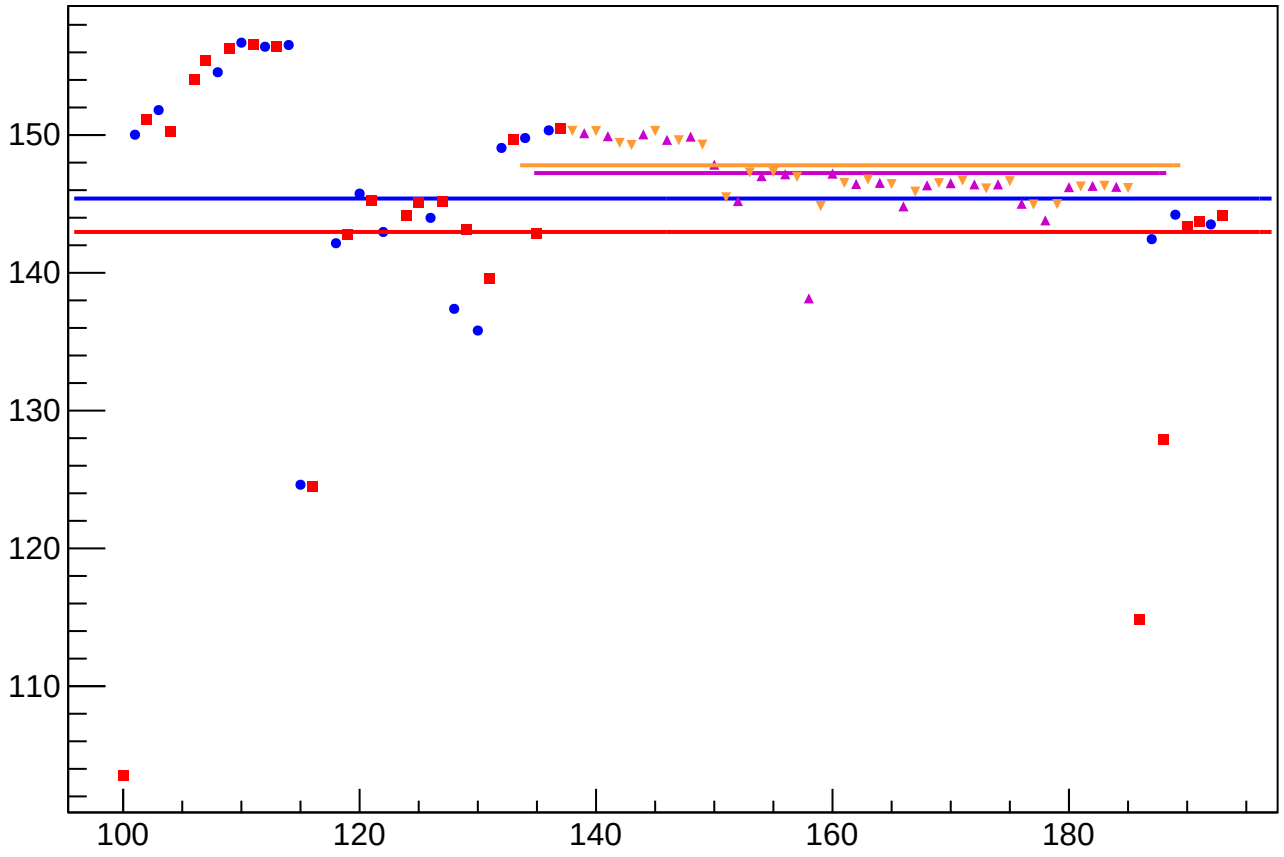
Right Out: 0.345+/-0.000 χ^2/NDF: 1506037.8/23

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.390+/-0.000 χ^2/NDF: 4456970.8/43

All: 0.393+/-0.000 χ^2/NDF: 8378986.3/90

- sign 0.395+/-0.000 χ^2/NDF: 3918657.7/46



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: 142.966+/-0.000 χ^2/NDF: 7571036457.4/23

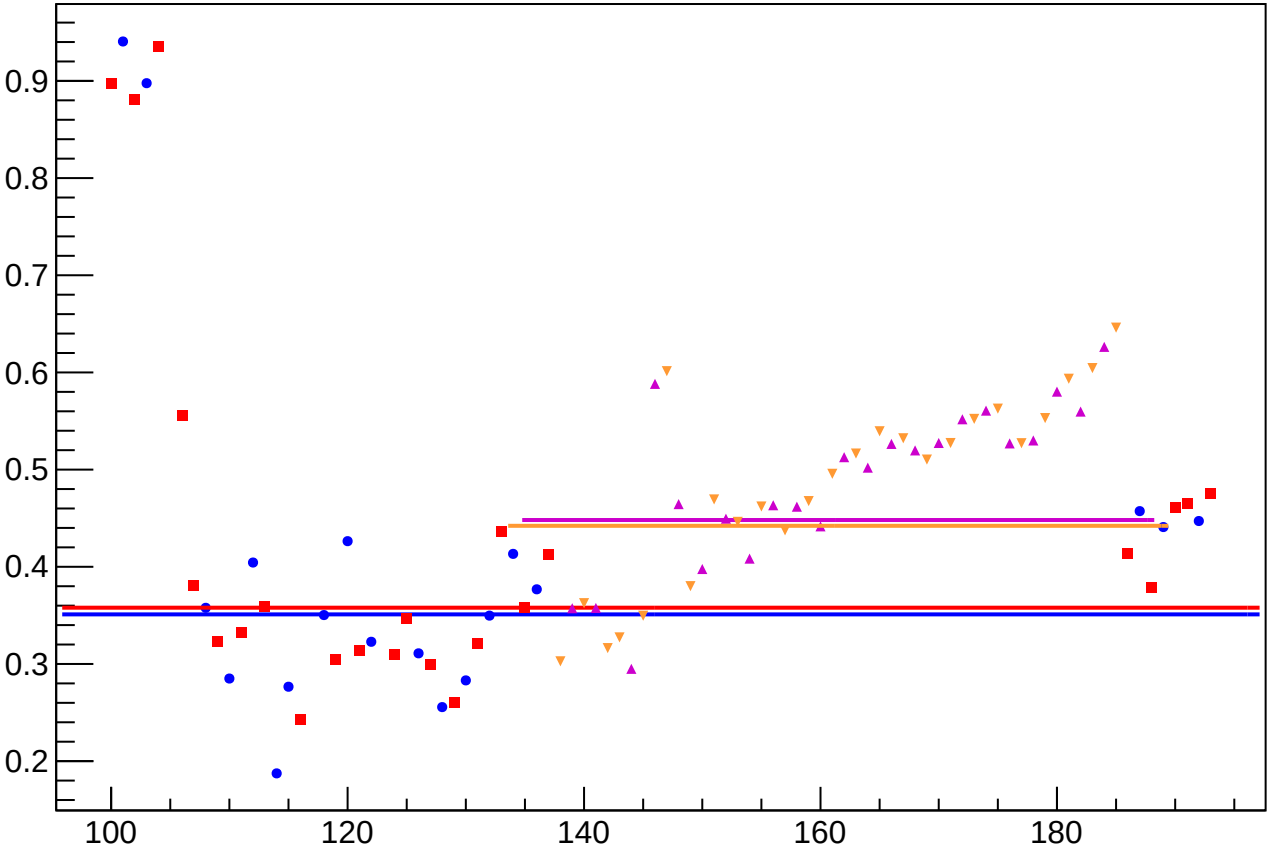
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.845+/-0.000 χ^2/NDF: 4050473113.2/43

All: 146.100+/-0.000 χ^2/NDF: 13093977698.

- sign 145.356+/-0.000 χ^2/NDF: 8874897331.8/46

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

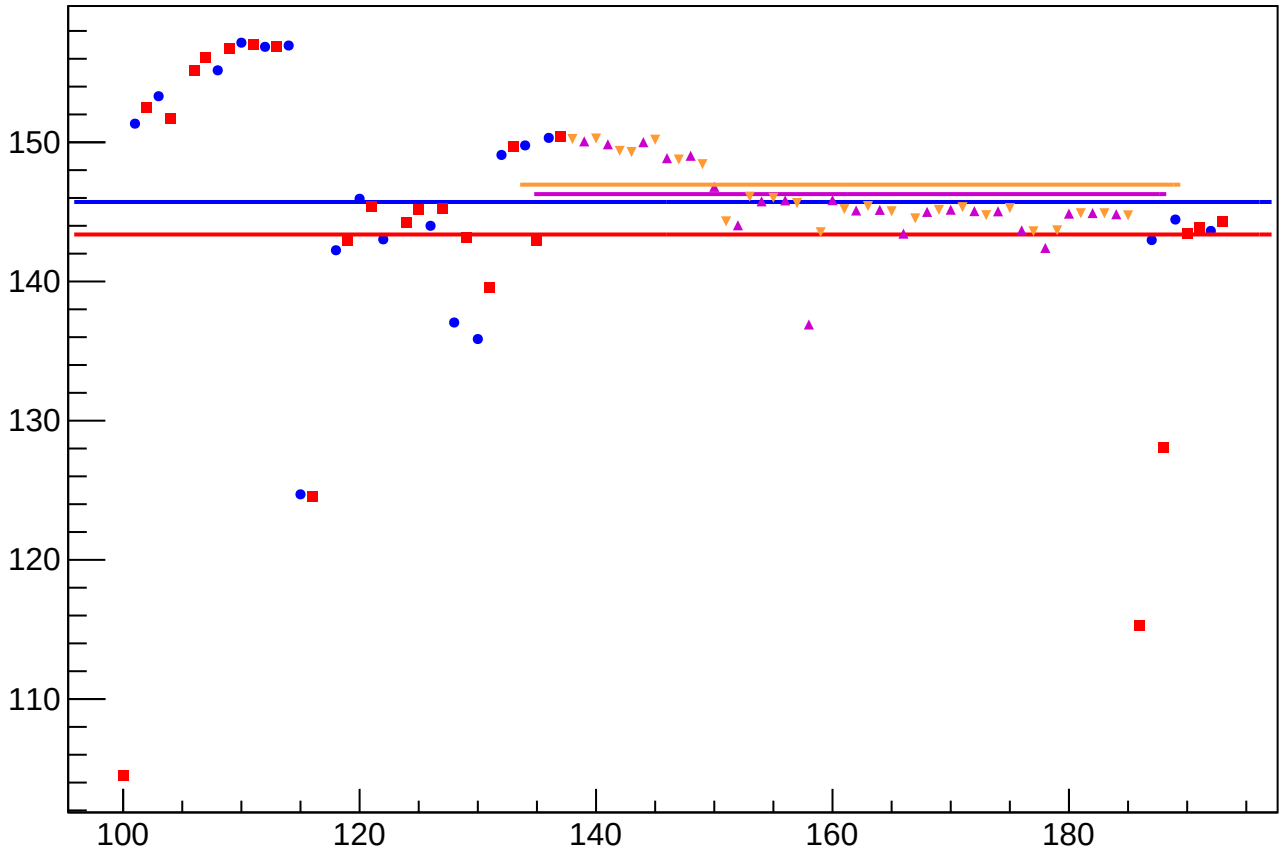
Right Out: 0.358+/-0.000 χ^2/NDF: 1475380.0/23

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.406+/-0.000 χ^2/NDF: 3842871.3/43

All: 0.407+/-0.000 χ^2/NDF: 7277580.0/90

- sign 0.408+/-0.000 χ^2/NDF: 3433836.3/46



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: 143.376+/-0.000 χ^2/NDF: 7652482618.2/23

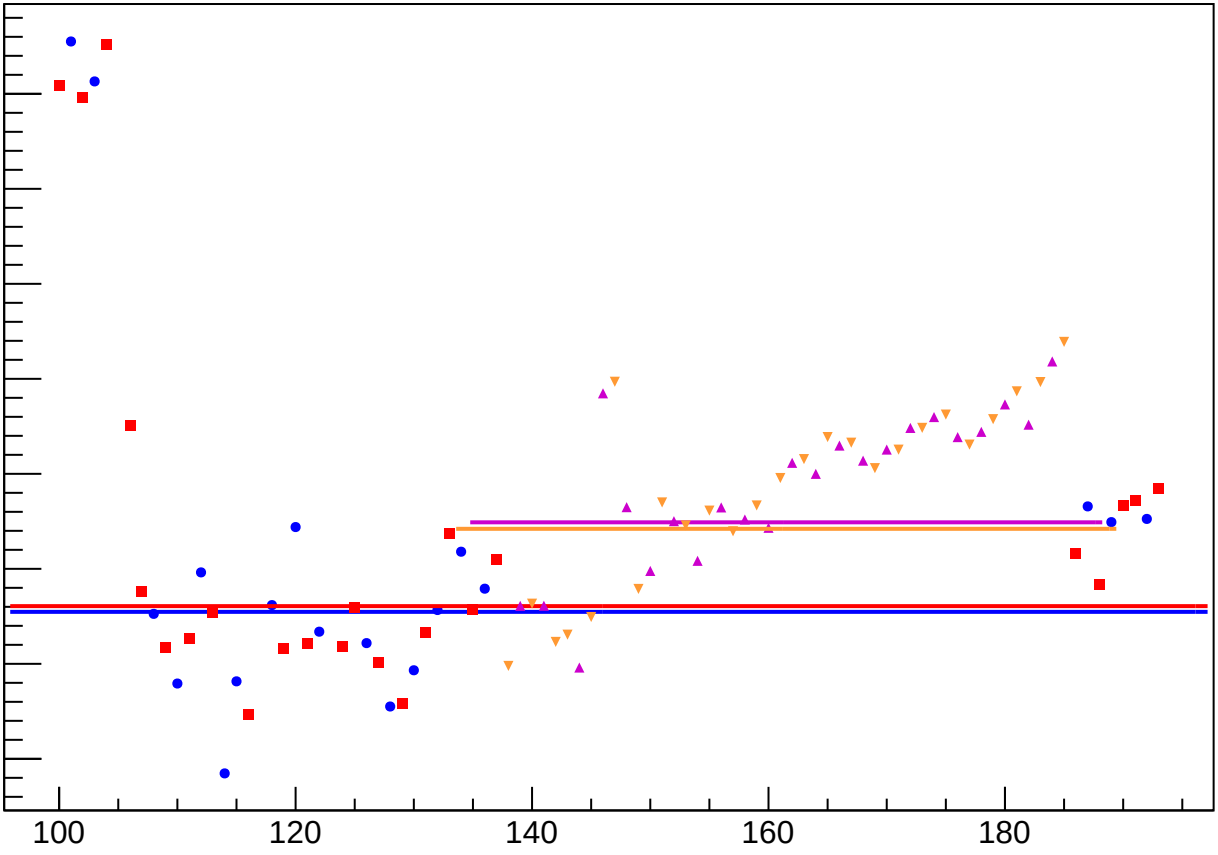
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.469+/-0.000 χ^2/NDF: 4252793687.7/43

All: 145.738+/-0.000 χ^2/NDF: 13202715070.

- sign 145.009+/-0.000 χ^2/NDF: 8789672839.2/46

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: 0.361+/-0.000 χ^2/NDF: 1481171.8/23

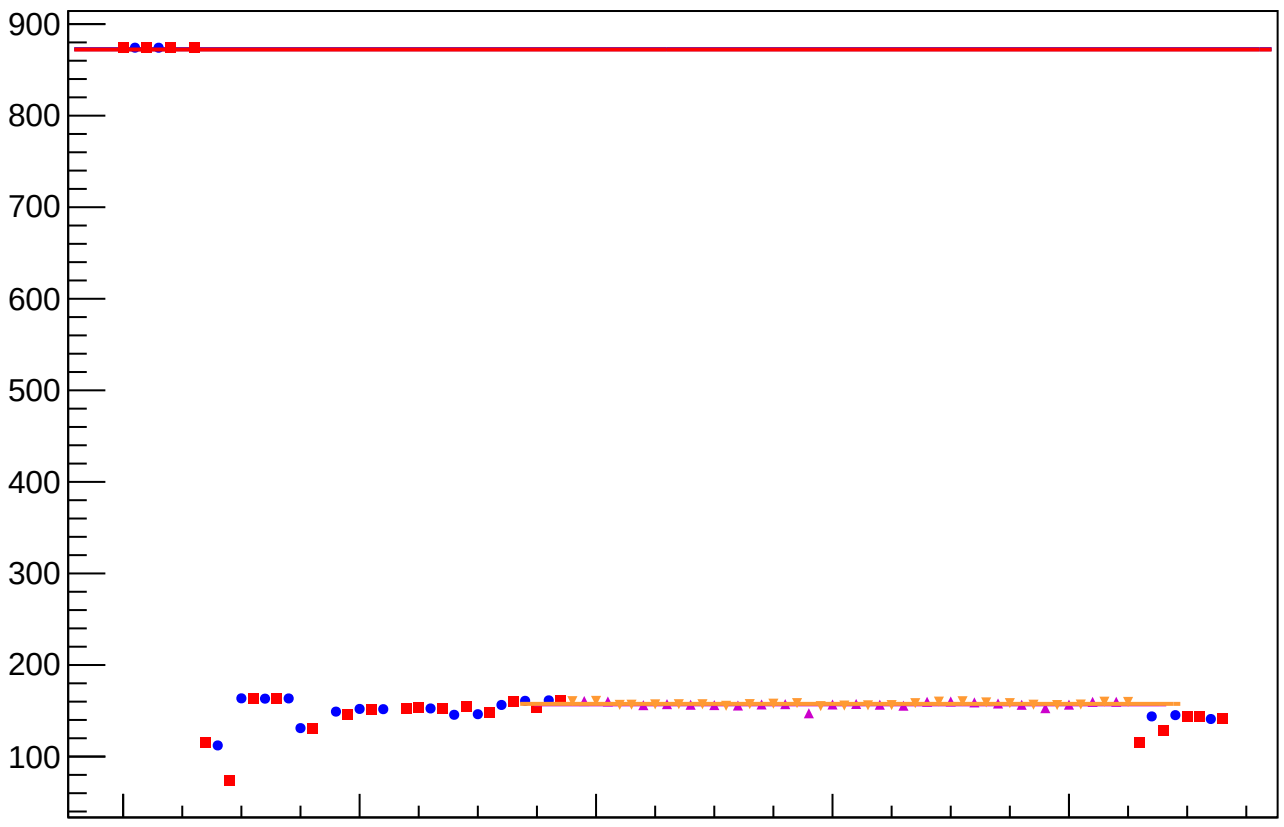
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.408+/-0.000 χ^2/NDF: 3785419.9/43

All: 0.409+/-0.000 χ^2/NDF: 7145093.6/90

- sign 0.410+/-0.000 χ^2/NDF: 3358743.5/46

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: 872.228+/-0.000 χ^2/NDF: 11888351972172.7/23

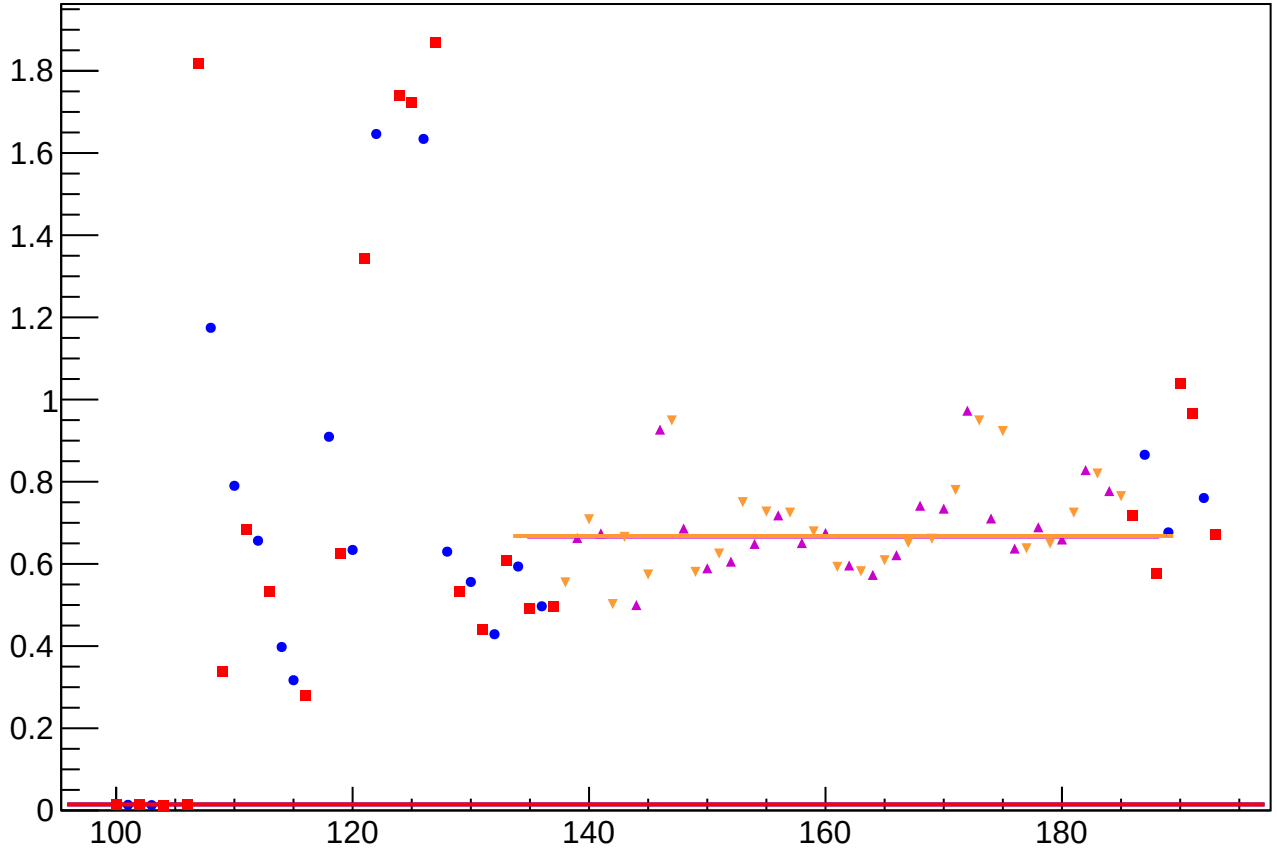
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 869.201+/-0.000 χ^2/NDF: 25669290369194.

All: 869.317+/-0.000 χ^2/NDF: 540710414021

- sign 869.417+/-0.000 χ^2/NDF: 28401571541958.4

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: 13662524.2/23

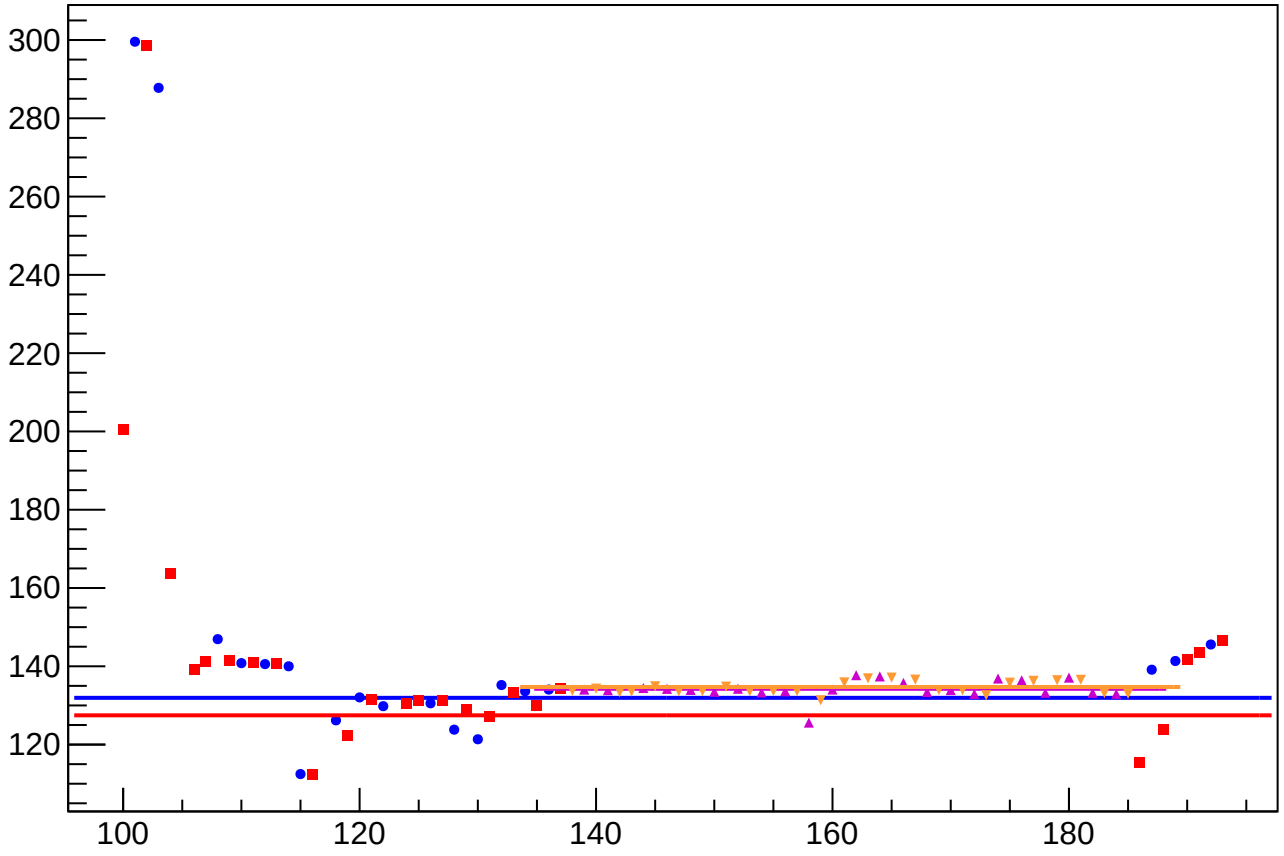
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 41544418.3/43

All: 0.017+/-0.000 χ^2/NDF: 83176942.3/90

- sign 0.017+/-0.000 χ^2/NDF: 41630471.6/46

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: 127.474+/-0.000 χ^2/NDF: 2797979383.9/23

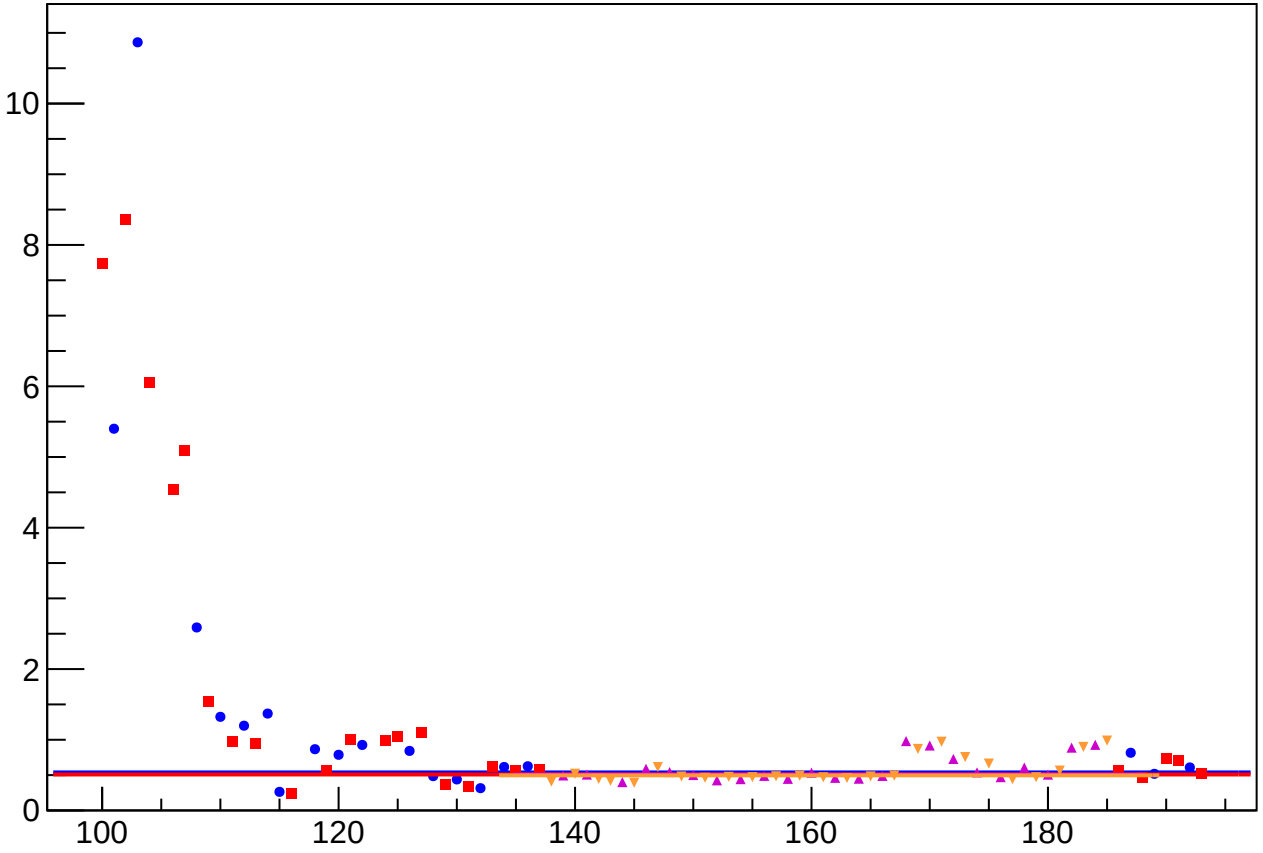
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 134.149+/-0.000 χ^2/NDF: 2581927973.6/43

All: 133.302+/-0.000 χ^2/NDF: 6684962918.7

- sign 132.439+/-0.000 χ^2/NDF: 3981208674.0/46

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

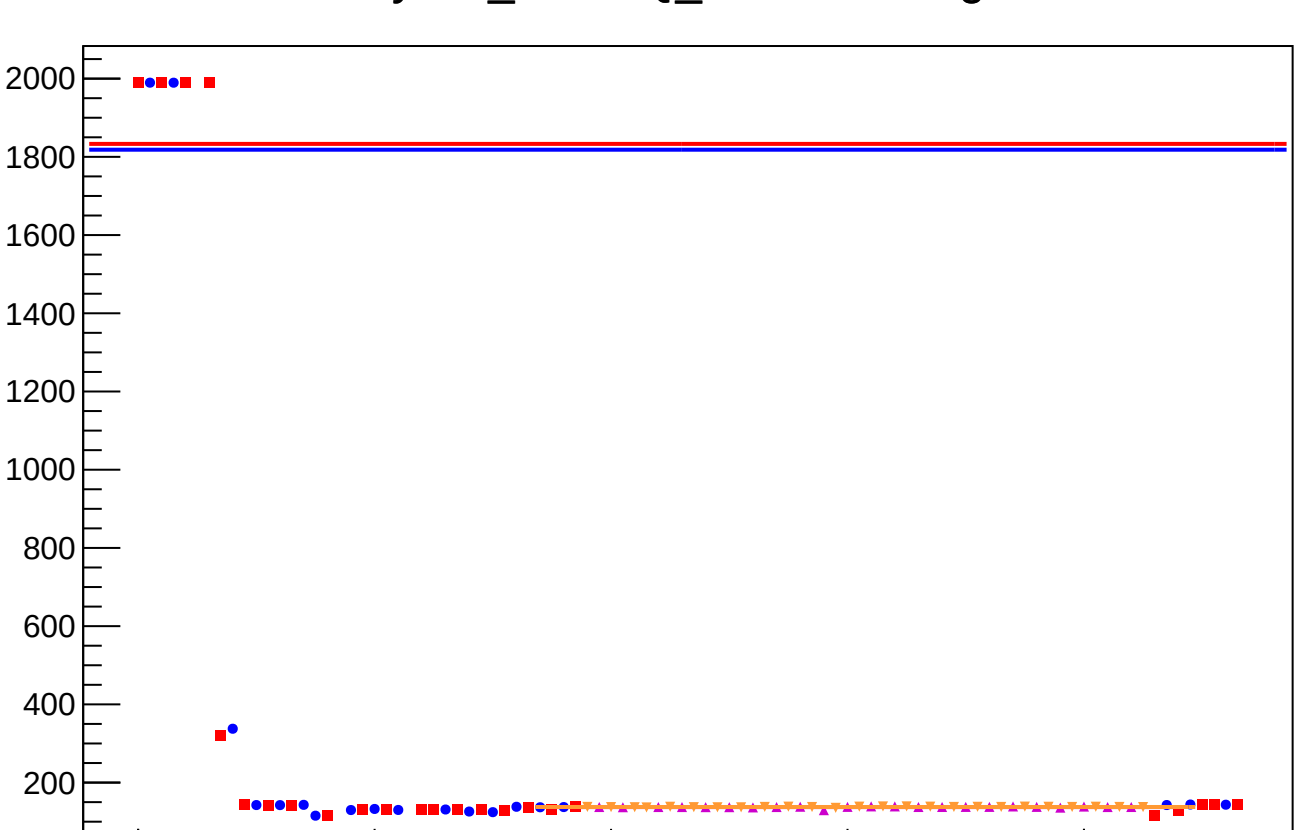
Right Out: 0.509+/-0.000 χ^2/NDF: 4979426.7/23

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: 12285851.2/90

- sign 0.509+/-0.000 χ^2/NDF: 6464927.8/46



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: 1833.131+/-0.000 χ^2/NDF: 180657610552040.9/23

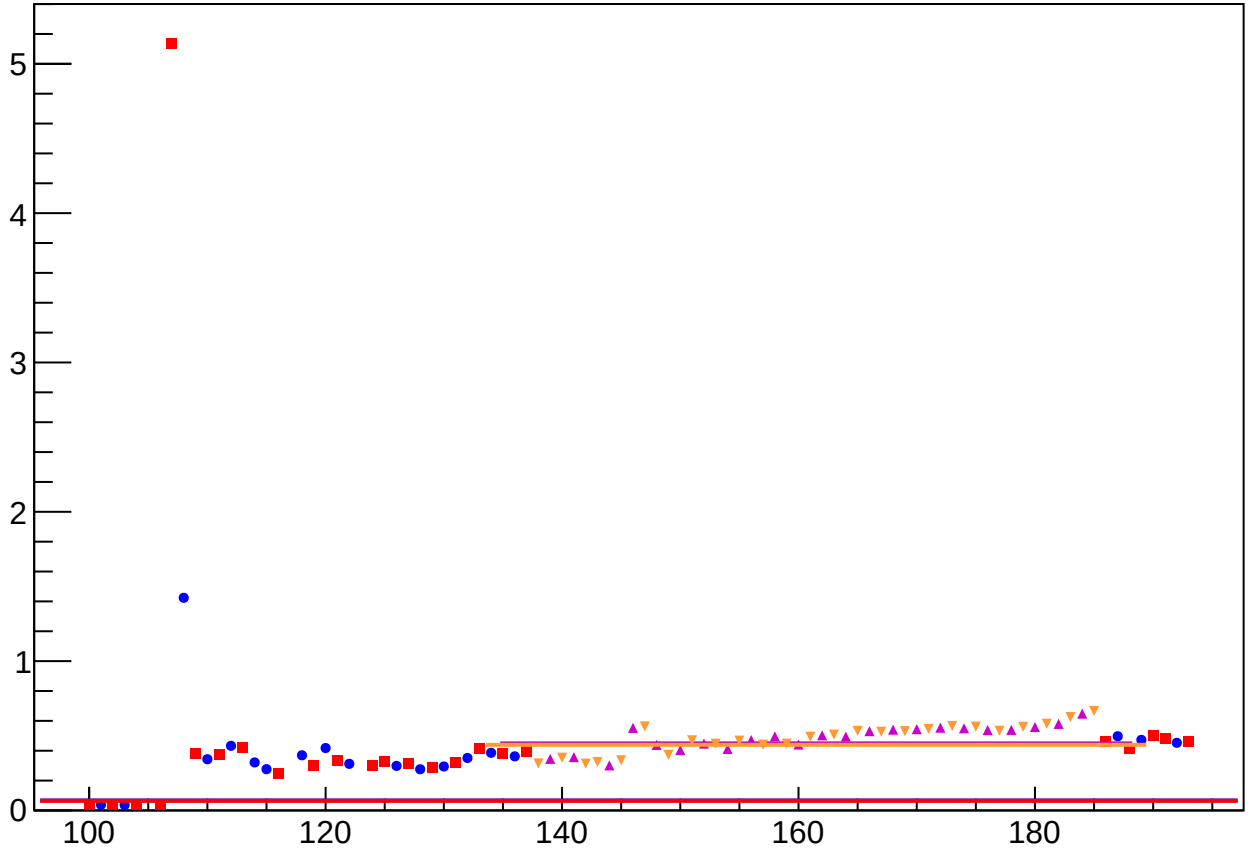
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1585.537+/-0.000 χ^2/NDF: 3926780482132

All: 1617.012+/-0.000 χ^2/NDF: 791544359

- sign 1644.646+/-0.000 χ^2/NDF: 39761885677934

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

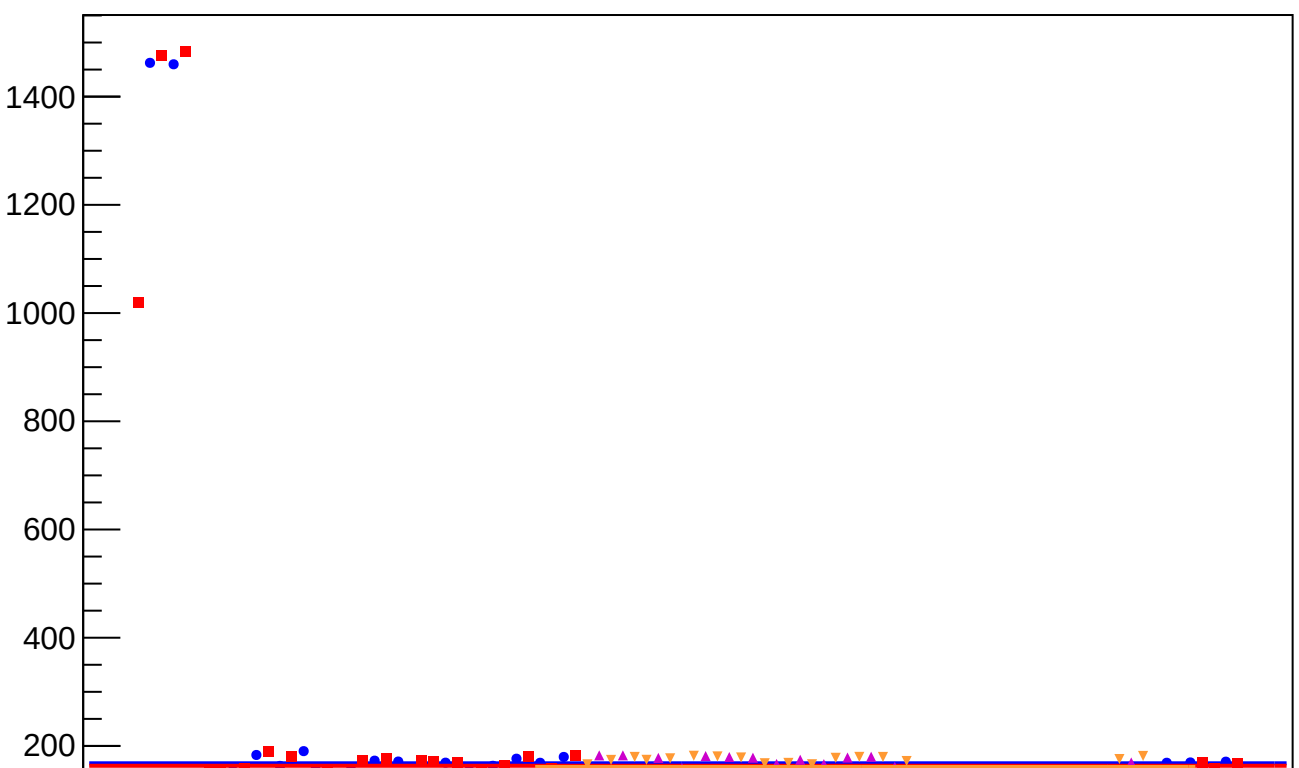
Right Out: 0.065+/-0.000 χ^2/NDF: 11632853.1/23

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.118+/-0.000 χ^2/NDF: 34490471.8/43

All: 0.113+/-0.000 χ^2/NDF: 69866051.3/90

- sign 0.107+/-0.000 χ^2/NDF: 35288871.8/46



Right In: 167.914+/-0.000 χ^2/NDF: 14631492301.1/18

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 163.368+/-0.000 χ^2/NDF: 17338002993.2/23

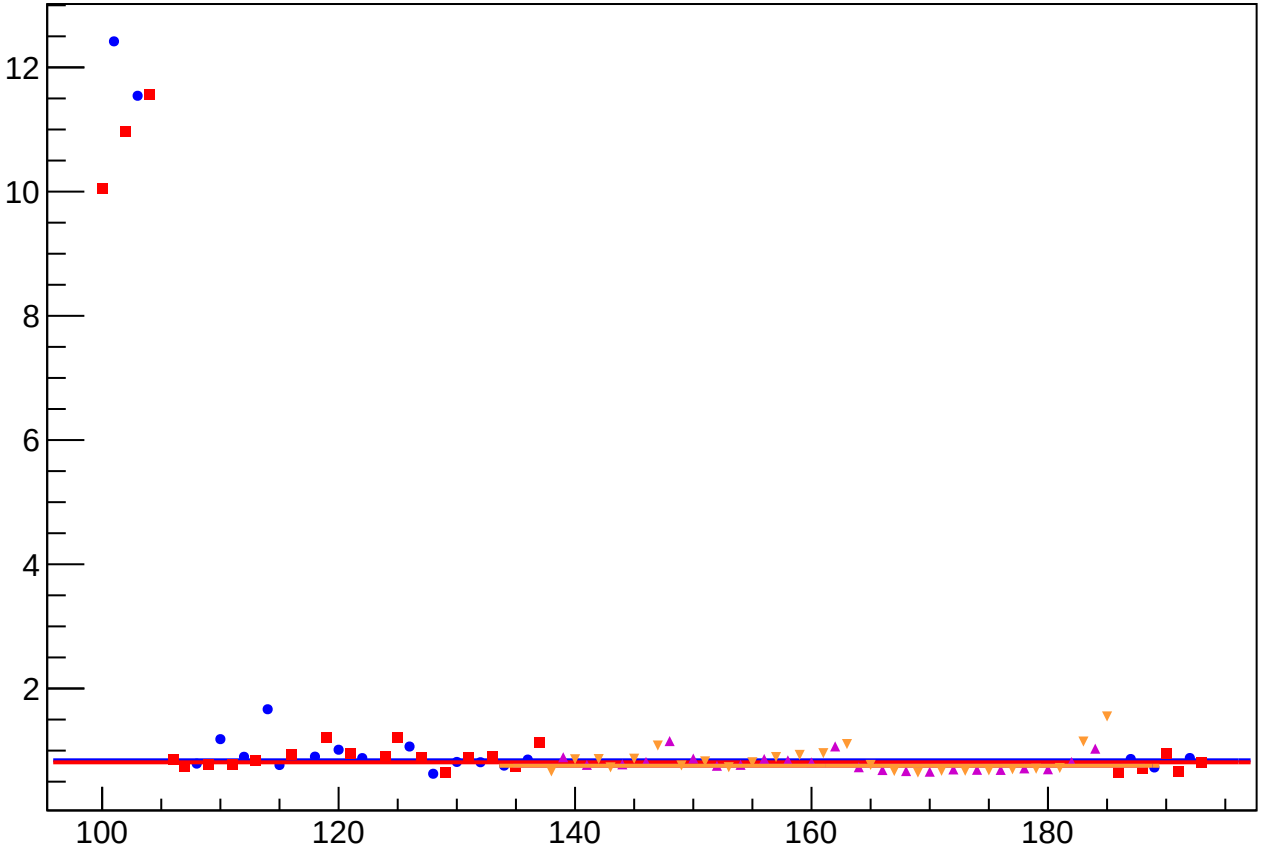
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 162.708+/-0.000 χ^2/NDF: 18629432353.1/43

All: 161.869+/-0.000 χ^2/NDF: 39819870139.

- sign 161.058+/-0.000 χ^2/NDF: 21146320659.5/46

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

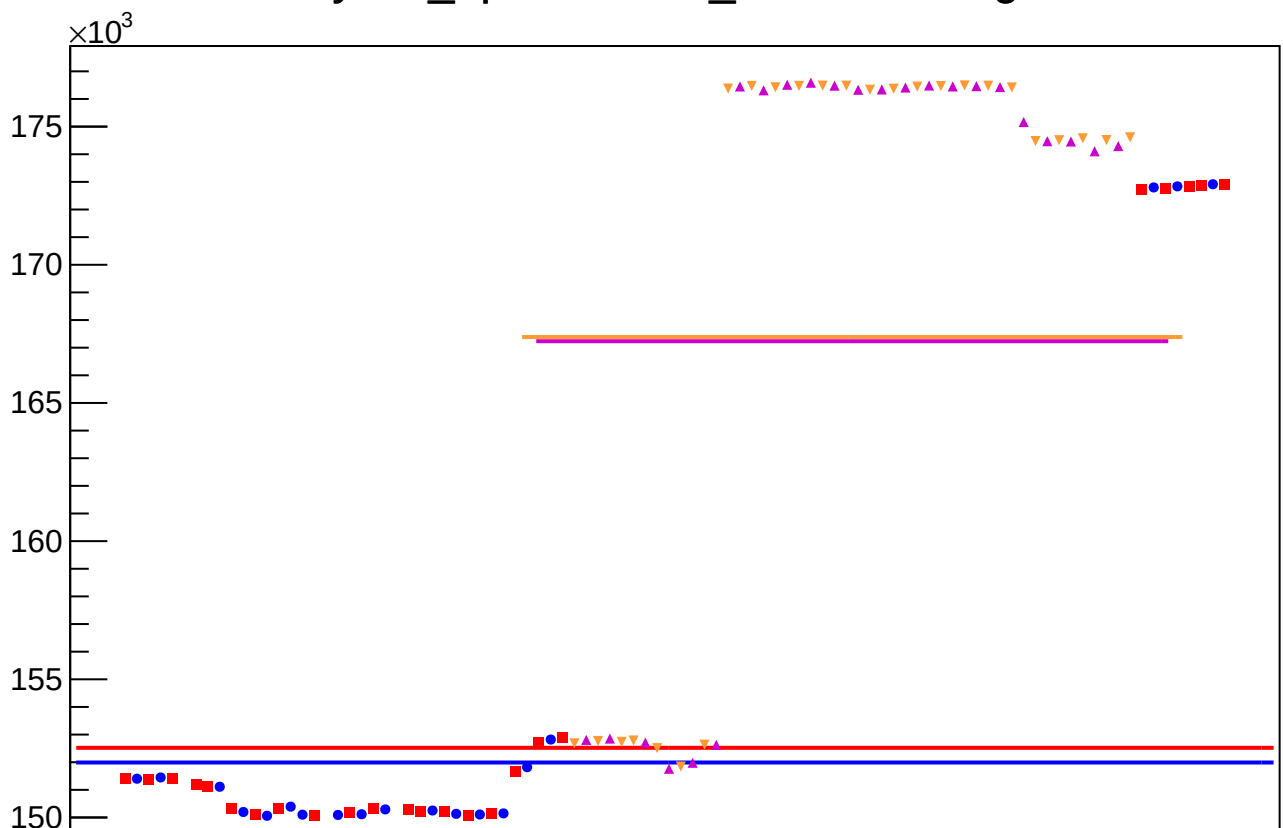
Right Out: 0.811+/-0.000 χ^2/NDF: 2339180.1/23

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.776+/-0.000 χ^2/NDF: 3164238.4/43

All: 0.774+/-0.000 χ^2/NDF: 6019136.9/90

- sign 0.771+/-0.000 χ^2/NDF: 2854068.1/46



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: 152521.401+/-0.049 χ^2/NDF: 16972775084.1/23

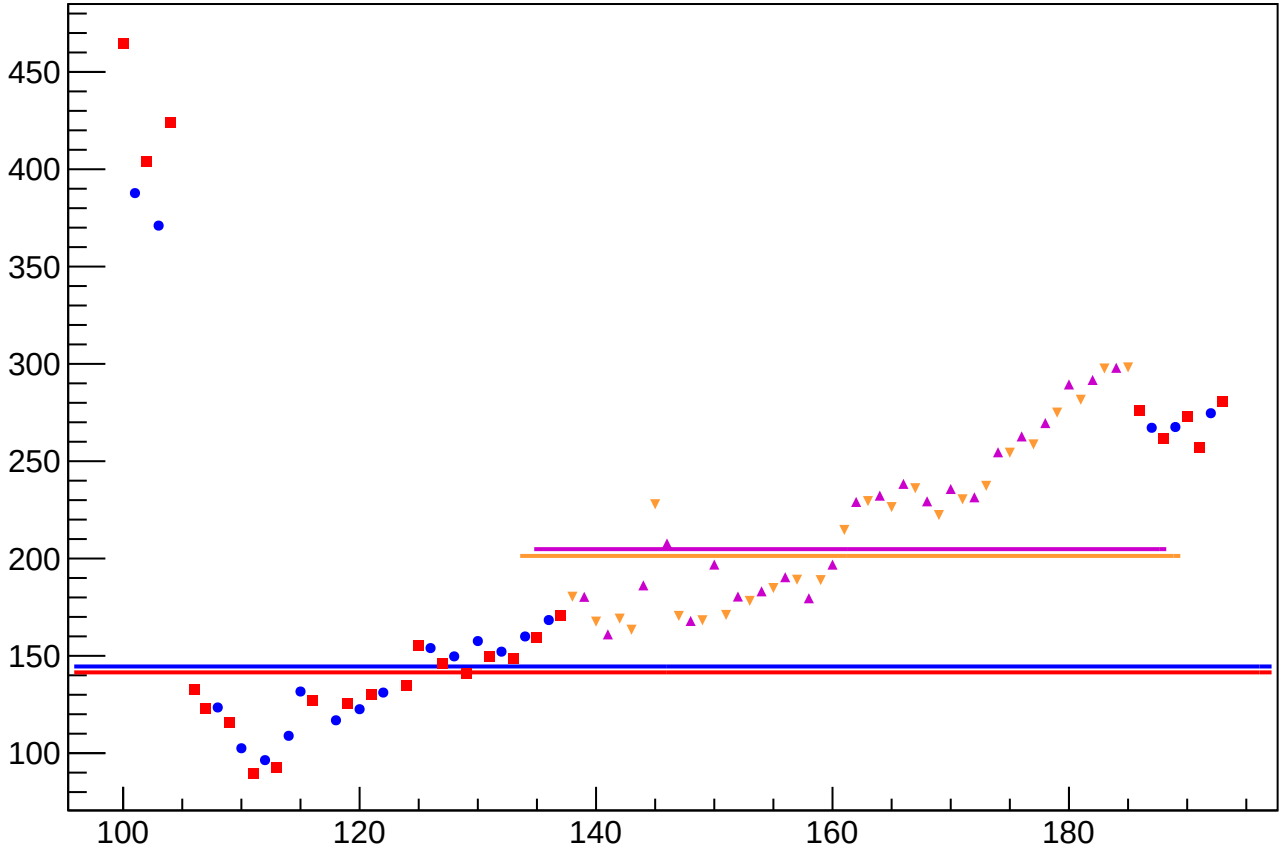
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160628.762+/-0.035 χ^2/NDF: 11810146421

All: 160233.510+/-0.025 χ^2/NDF: 2359152

- sign 159849.825+/-0.034 χ^2/NDF: 11756256924

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

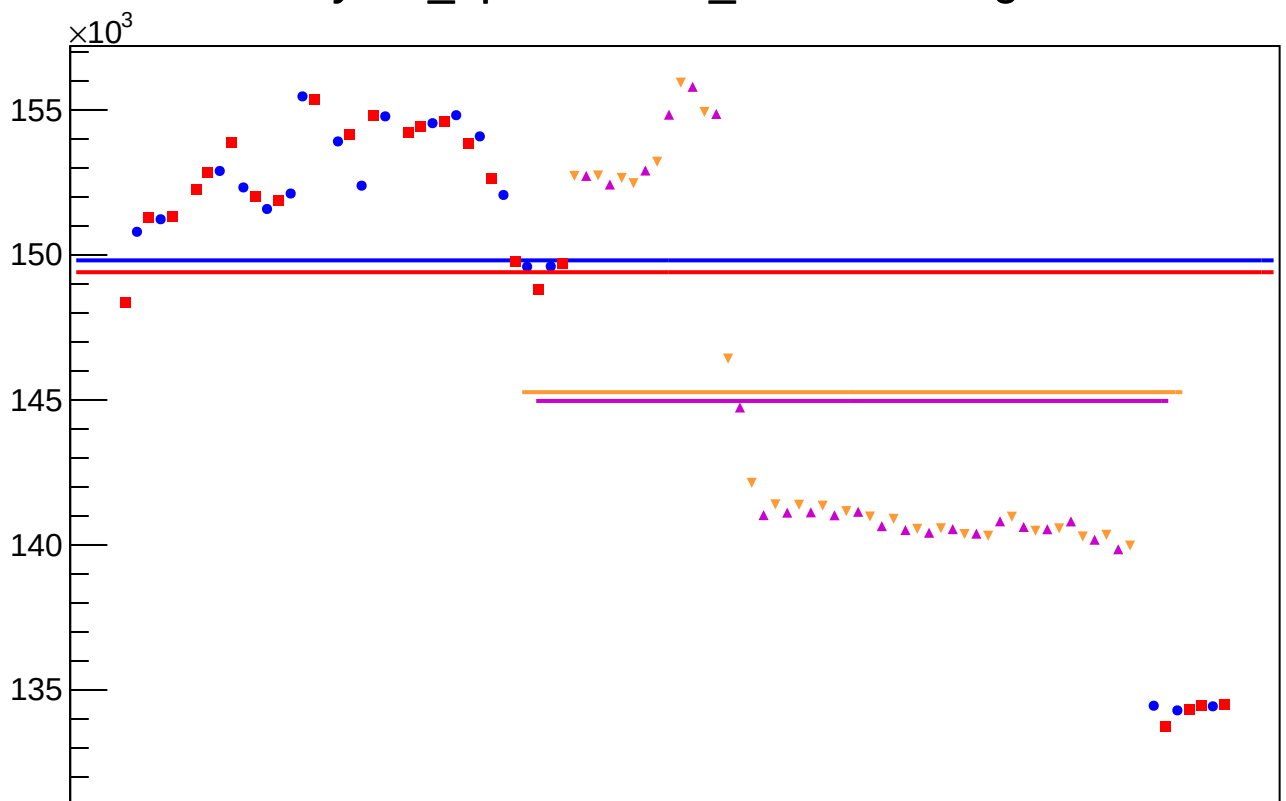
Right Out: 141.497+/-0.034 χ^2/NDF: 2956139.0/23

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 176.404+/-0.025 χ^2/NDF: 4729565.3/43

All: 174.697+/-0.017 χ^2/NDF: 10433809.9/90

- sign 173.041+/-0.024 χ^2/NDF: 5694881.6/46



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: 149405.776+/-0.060 χ^2/NDF: 15504709020.3/23

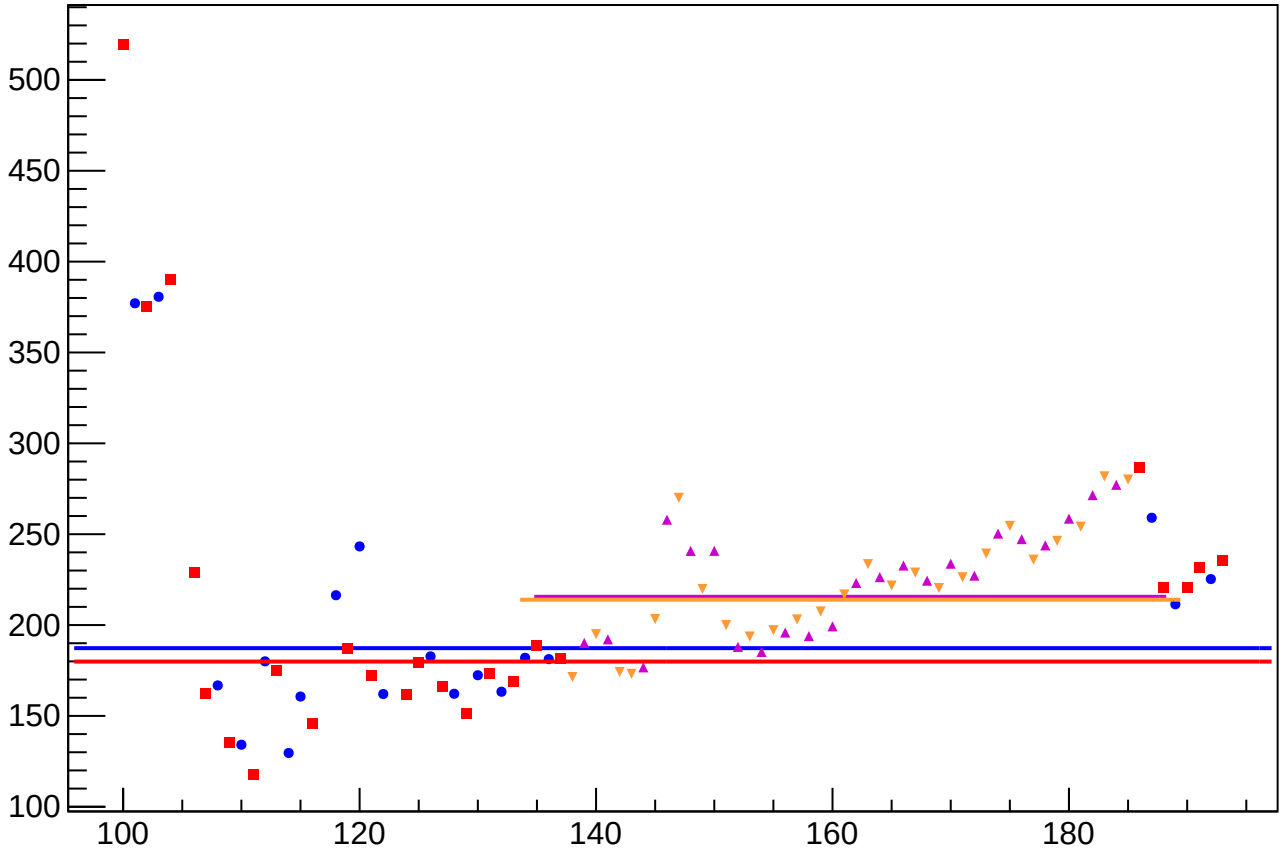
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 146872.049+/-0.040 χ^2/NDF: 26755182251.

All: 146847.802+/-0.028 χ^2/NDF: 58561144

- sign 146824.395+/-0.039 χ^2/NDF: 31805230231.3

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

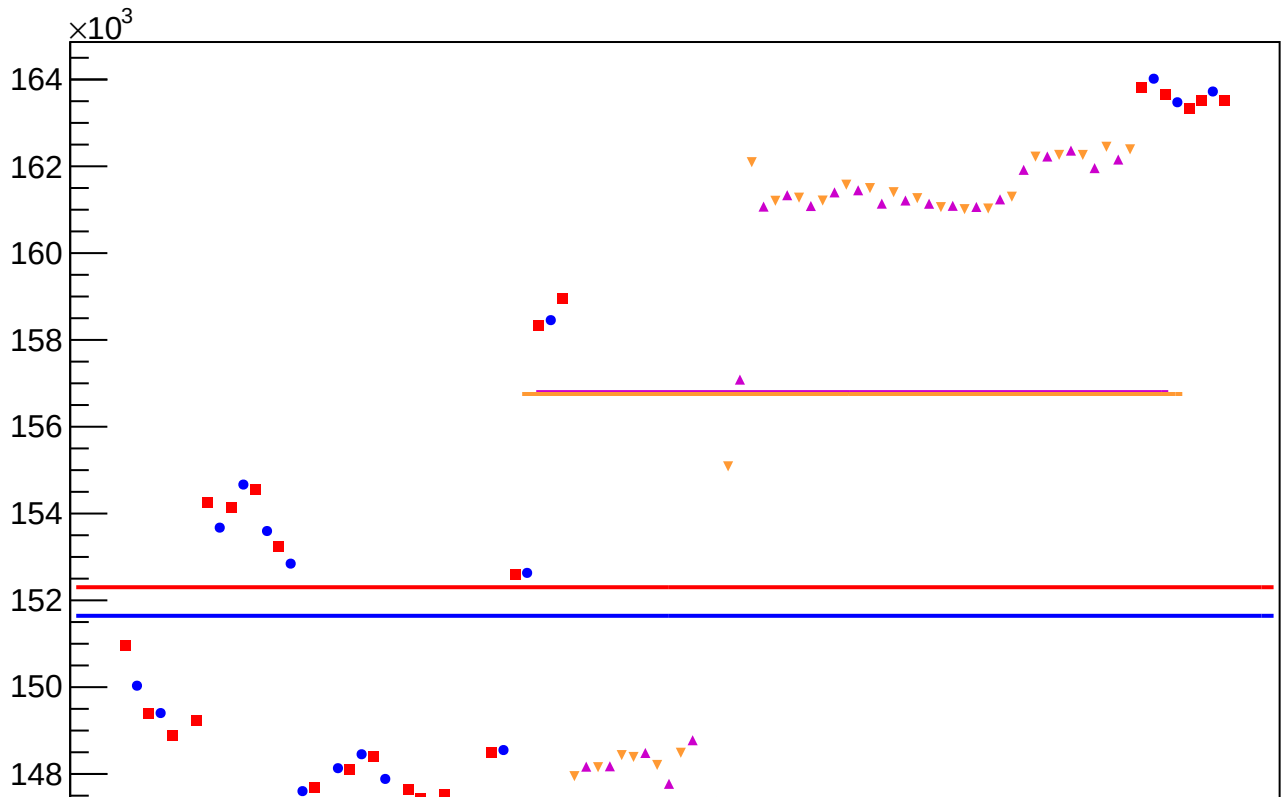
Right Out: 179.902+/-0.043 χ^2/NDF: 1459357.3/23

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 204.550+/-0.028 χ^2/NDF: 1875833.7/43

All: 202.552+/-0.020 χ^2/NDF: 4351155.8/90

- sign 200.624+/-0.028 χ^2/NDF: 2465386.0/46



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: 152302.478+/-0.057 χ^2/NDF: 7762659885.1/23

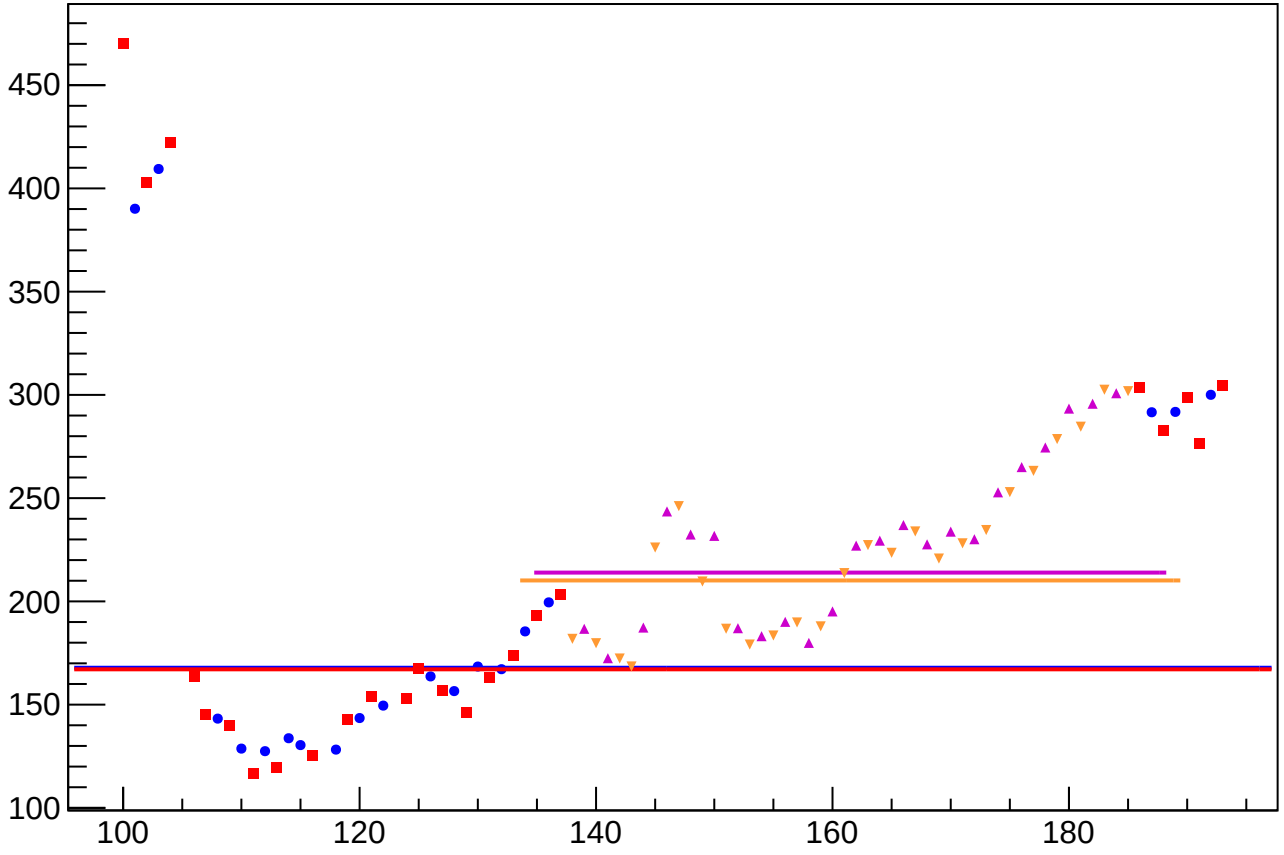
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 154753.803+/-0.038 χ^2/NDF: 26965446035.

All: 154775.744+/-0.027 χ^2/NDF: 52536772

- sign 154797.704+/-0.038 χ^2/NDF: 25570657000.

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

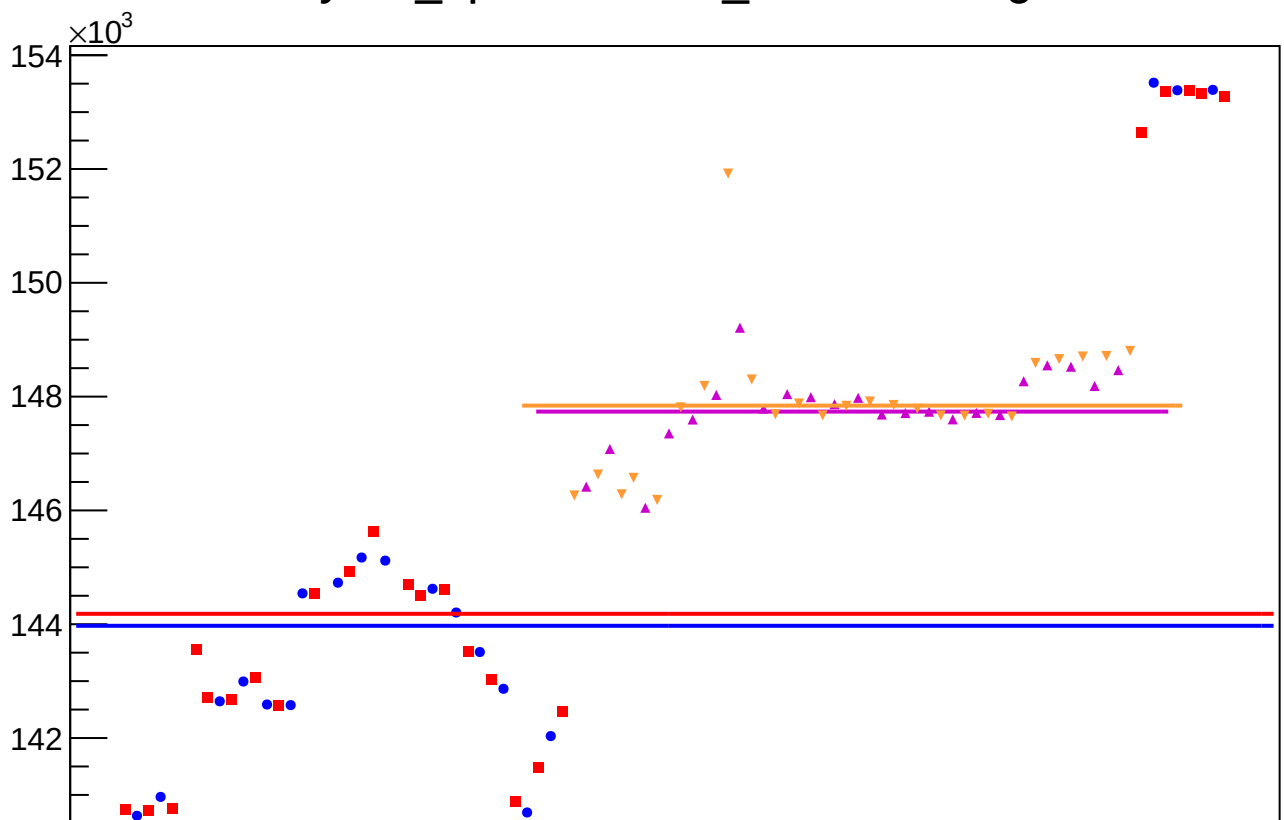
Right Out: 167.100+/-0.040 χ^2/NDF: 2376040.7/23

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 193.592+/-0.027 χ^2/NDF: 3465408.7/43

All: 193.347+/-0.019 χ^2/NDF: 7508321.3/90

- sign 193.101+/-0.027 χ^2/NDF: 4042745.3/46



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: 144182.889+/-0.047 χ^2/NDF: 4229972742.3/23

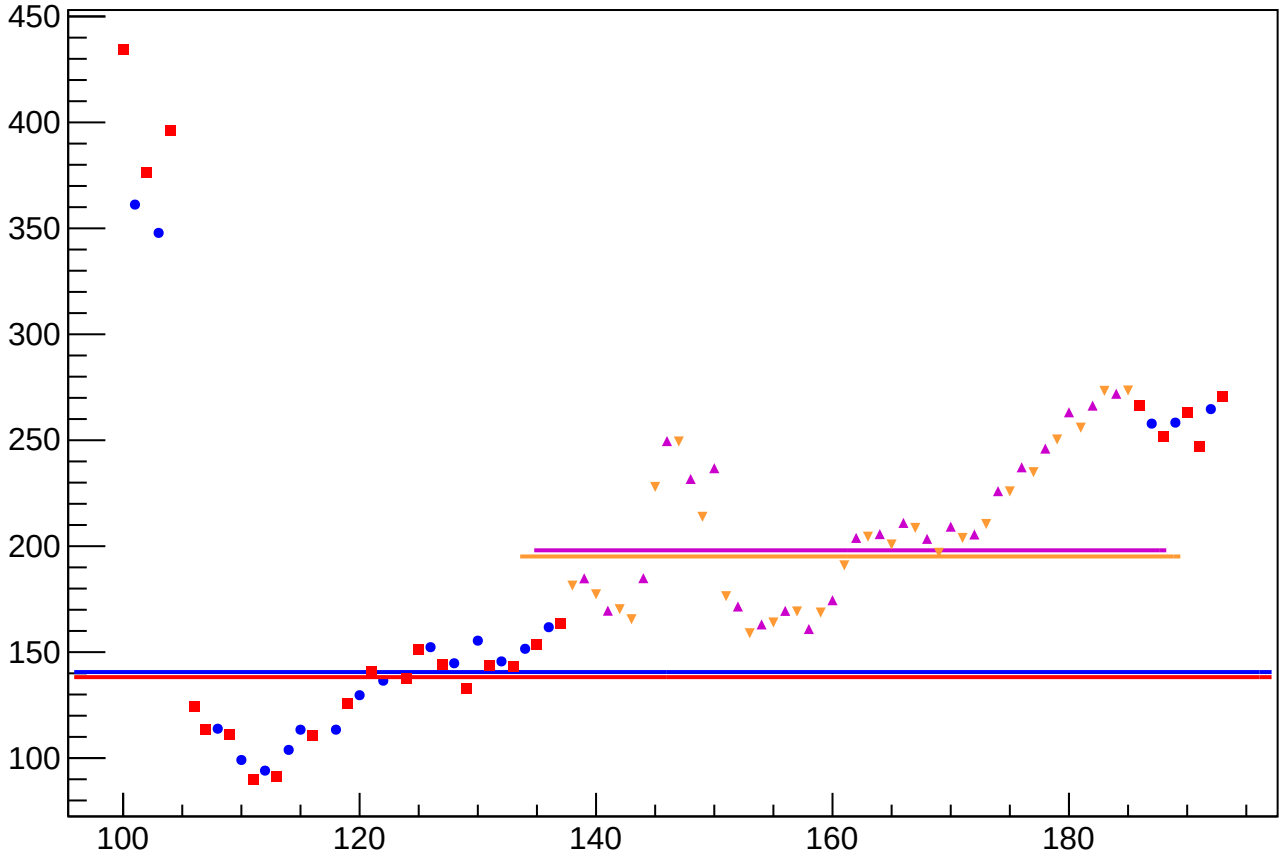
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 146156.602+/-0.034 χ^2/NDF: 6806603209.7

All: 146061.279+/-0.024 χ^2/NDF: 14101847

- sign 145968.531+/-0.033 χ^2/NDF: 7279650480.5/

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

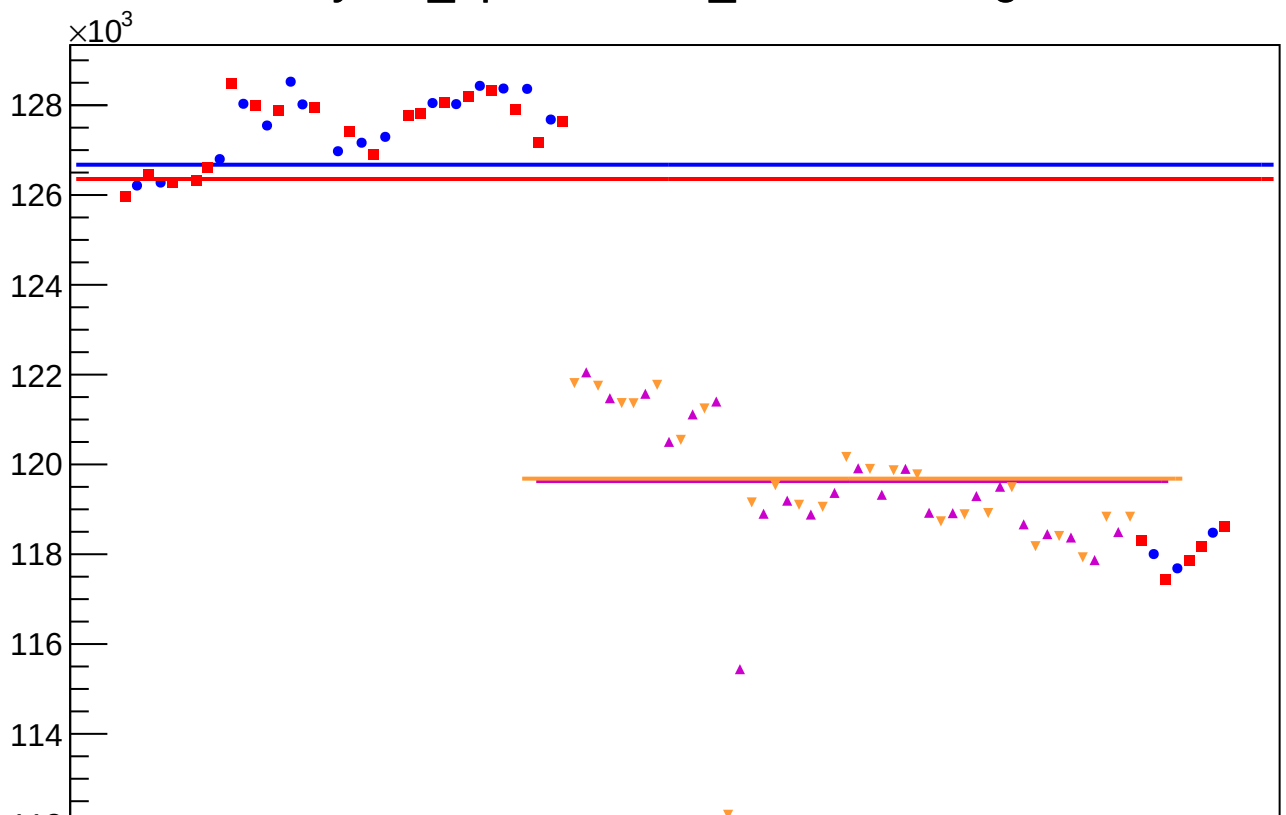
Right Out: 138.198+/-0.034 χ^2/NDF: 2847019.3/23

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 171.386+/-0.024 χ^2/NDF: 4327257.9/43

All: 169.809+/-0.017 χ^2/NDF: 9684722.2/90

- sign 168.274+/-0.024 χ^2/NDF: 5348928.7/46



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: 126356.804+/-0.051 χ^2/NDF: 4586029886.6/23

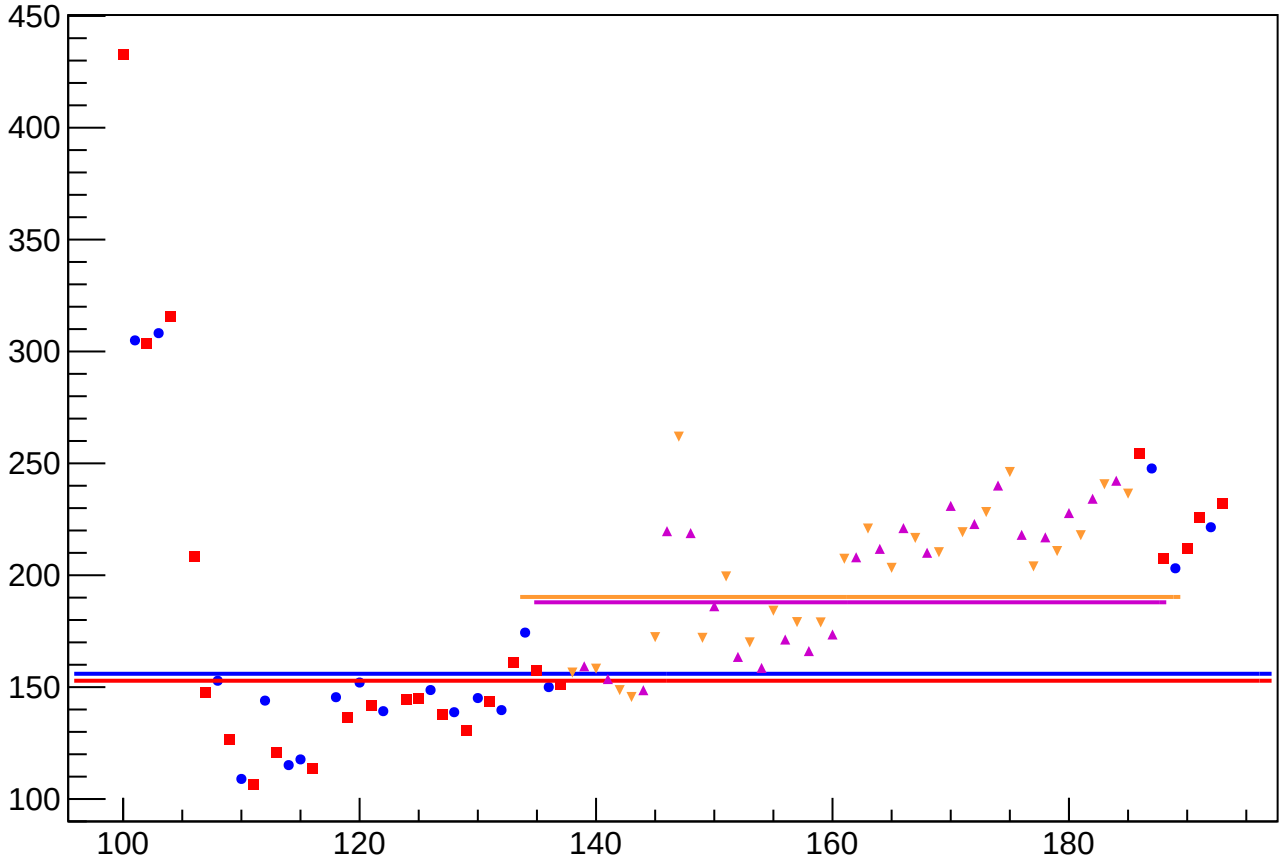
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 122421.190+/-0.035 χ^2/NDF: 14748062450.

All: 122502.642+/-0.024 χ^2/NDF: 30470924

- sign 122580.268+/-0.034 χ^2/NDF: 15711560841.3

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

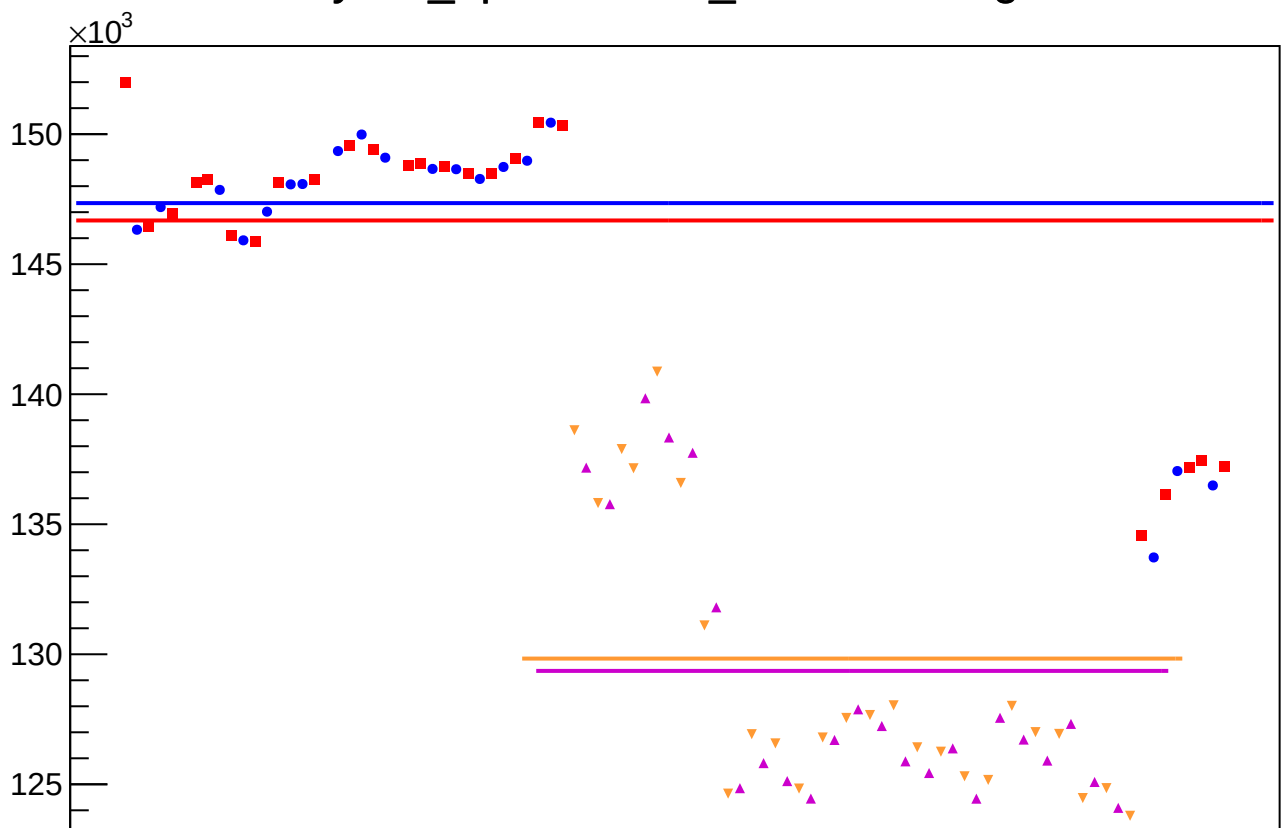
Right Out: 152.858+/-0.036 χ^2/NDF: 1628064.9/23

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 176.855+/-0.024 χ^2/NDF: 2530119.9/43

All: 174.643+/-0.017 χ^2/NDF: 5632782.3/90

- sign 172.535+/-0.024 χ^2/NDF: 3086629.6/46



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: 146681.143+/-0.071 χ^2/NDF: 3552059821.1/23

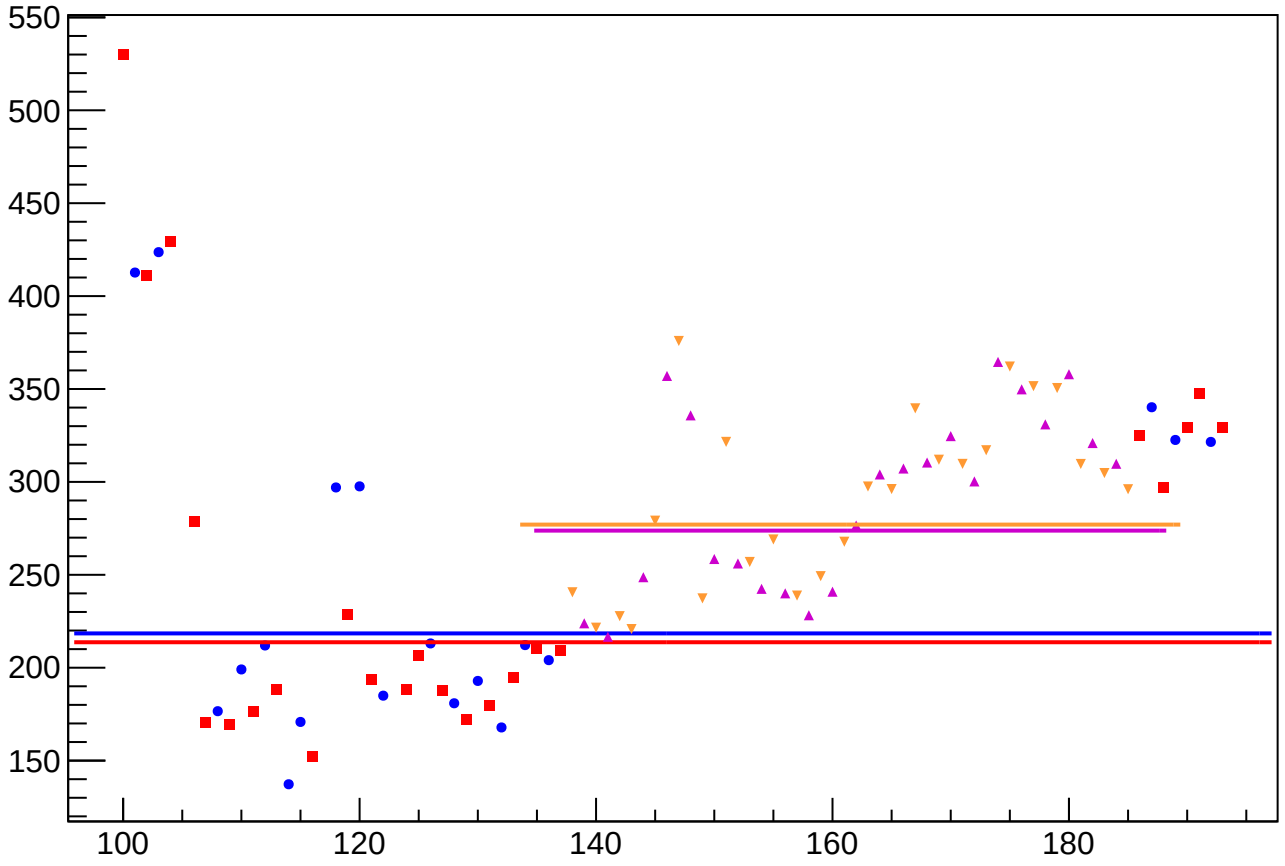
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136922.742+/-0.050 χ^2/NDF: 39270058222.

All: 137103.729+/-0.035 χ^2/NDF: 81569880

- sign 137274.834+/-0.048 χ^2/NDF: 42273848976.4

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

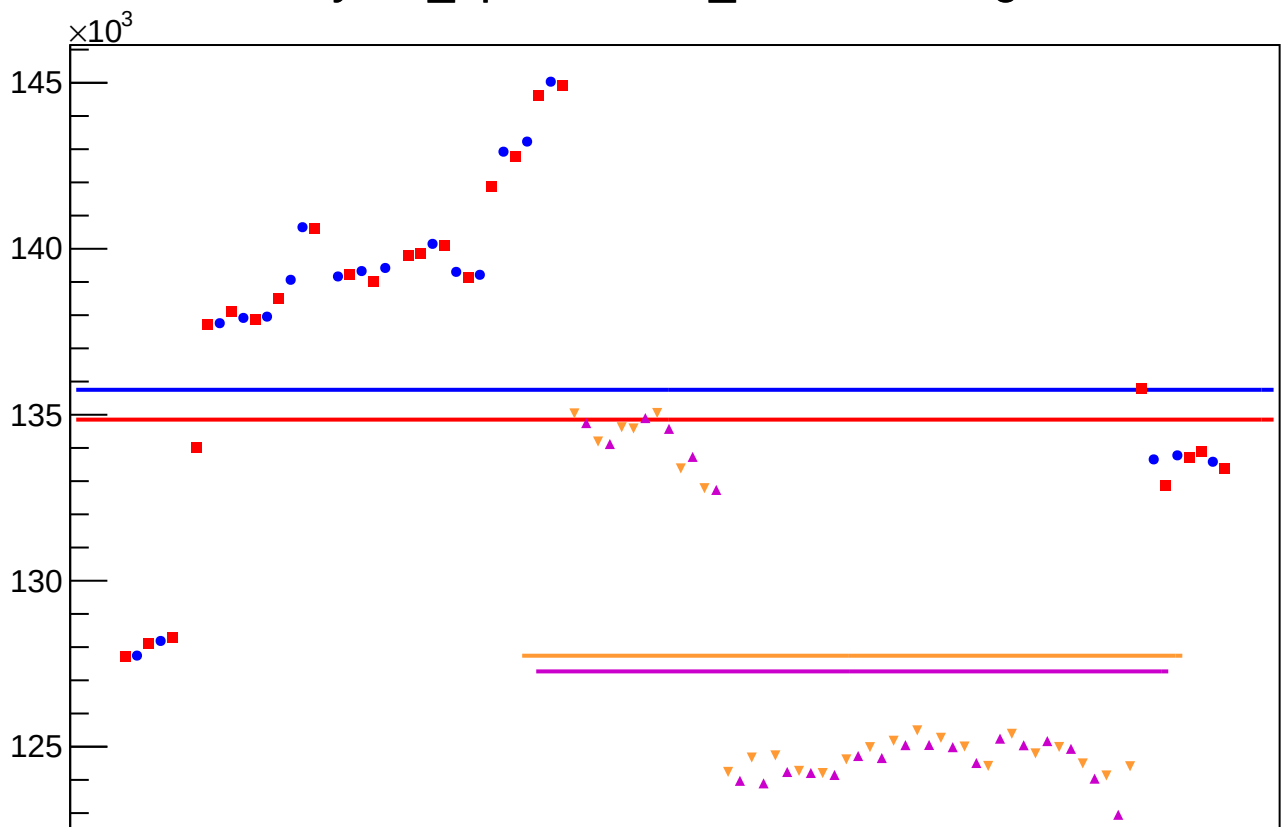
Right Out: 213.708+/-0.050 χ^2/NDF: 1577467.8/23

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 253.321+/-0.035 χ^2/NDF: 2986709.7/43

All: 249.729+/-0.024 χ^2/NDF: 6360796.3/90

- sign 246.334+/-0.034 χ^2/NDF: 3353628.5/46



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: 134853.548+/-0.136 χ^2/NDF: 1255175076.4/23

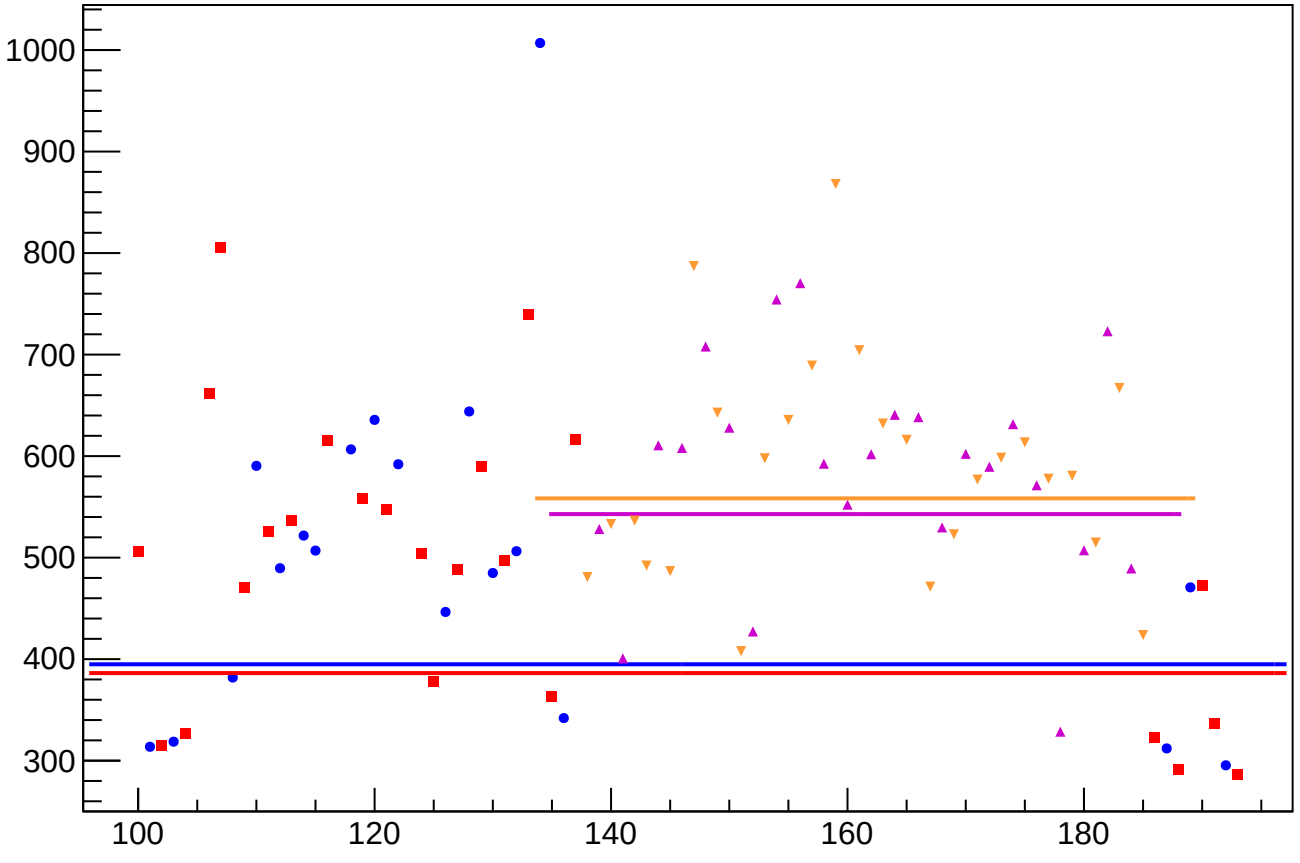
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131412.877+/-0.100 χ^2/NDF: 4333948219.3

All: 131271.619+/-0.070 χ^2/NDF: 80923153

- sign 131138.109+/-0.097 χ^2/NDF: 3754468588.6/

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

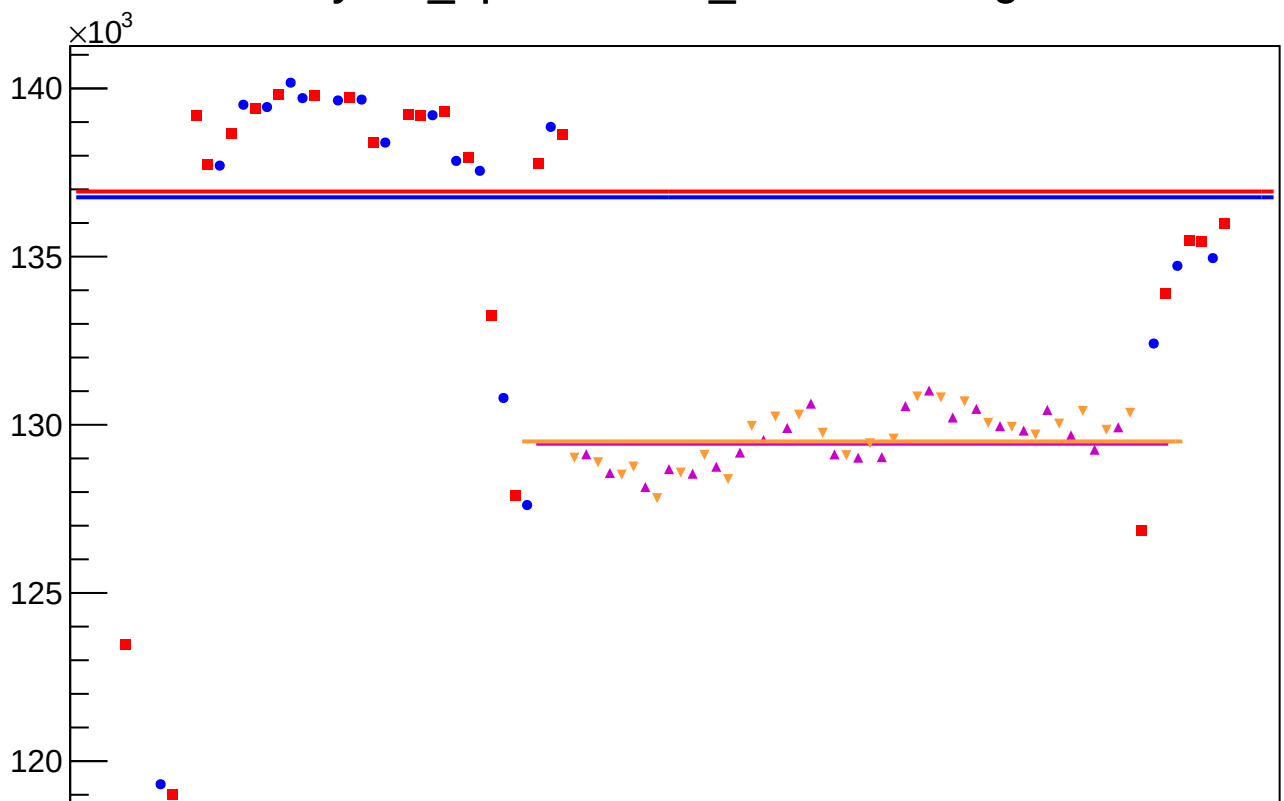
Right Out: 386.264+/-0.096 χ^2/NDF: 1453345.3/23

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 483.470+/-0.071 χ^2/NDF: 3551986.5/43

All: 472.934+/-0.049 χ^2/NDF: 7768081.1/90

- sign 462.977+/-0.069 χ^2/NDF: 4172721.1/46



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: 136936.326+/-0.062 χ^2/NDF: 6293904606.9/23

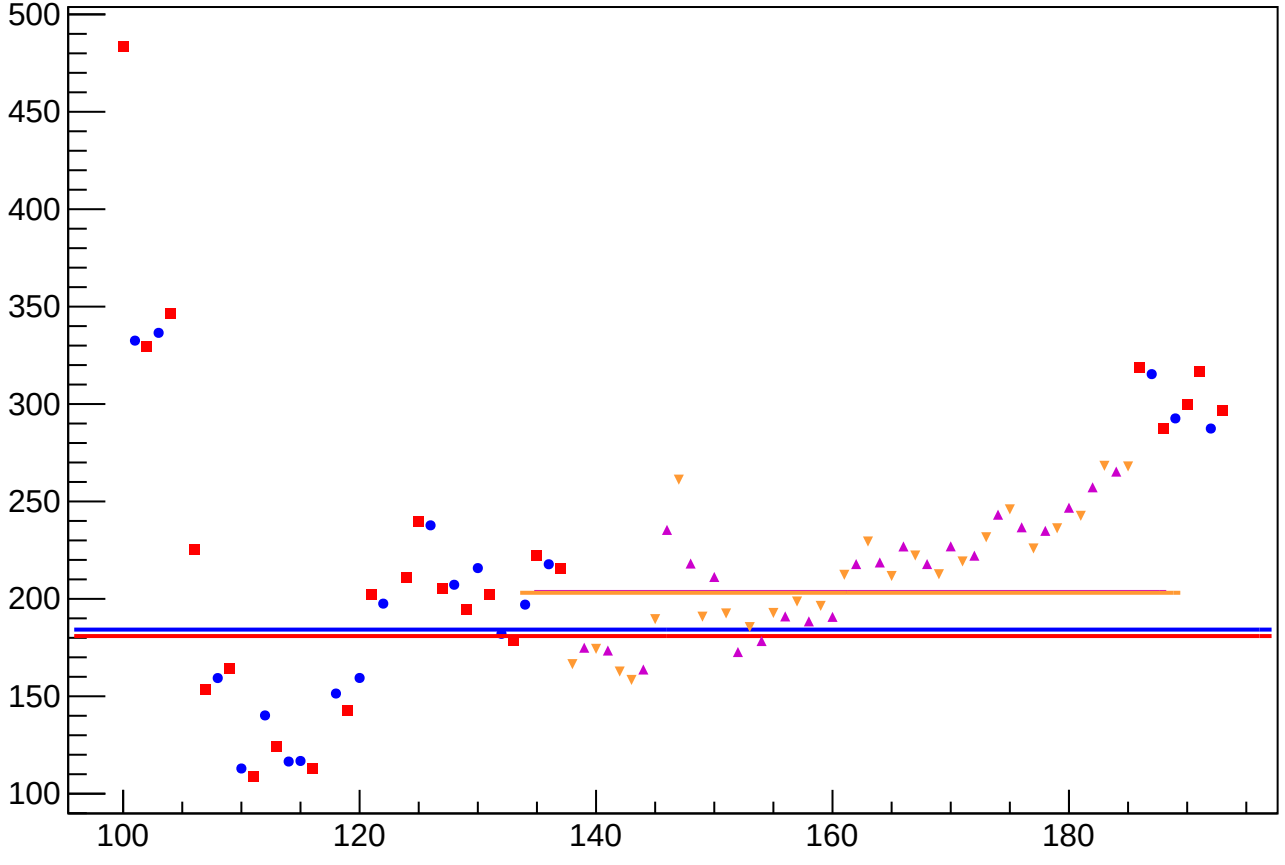
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 131916.678+/-0.038 χ^2/NDF: 14138964620.

All: 132106.232+/-0.027 χ^2/NDF: 29878853

- sign 132292.905+/-0.038 χ^2/NDF: 15691533999.6

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

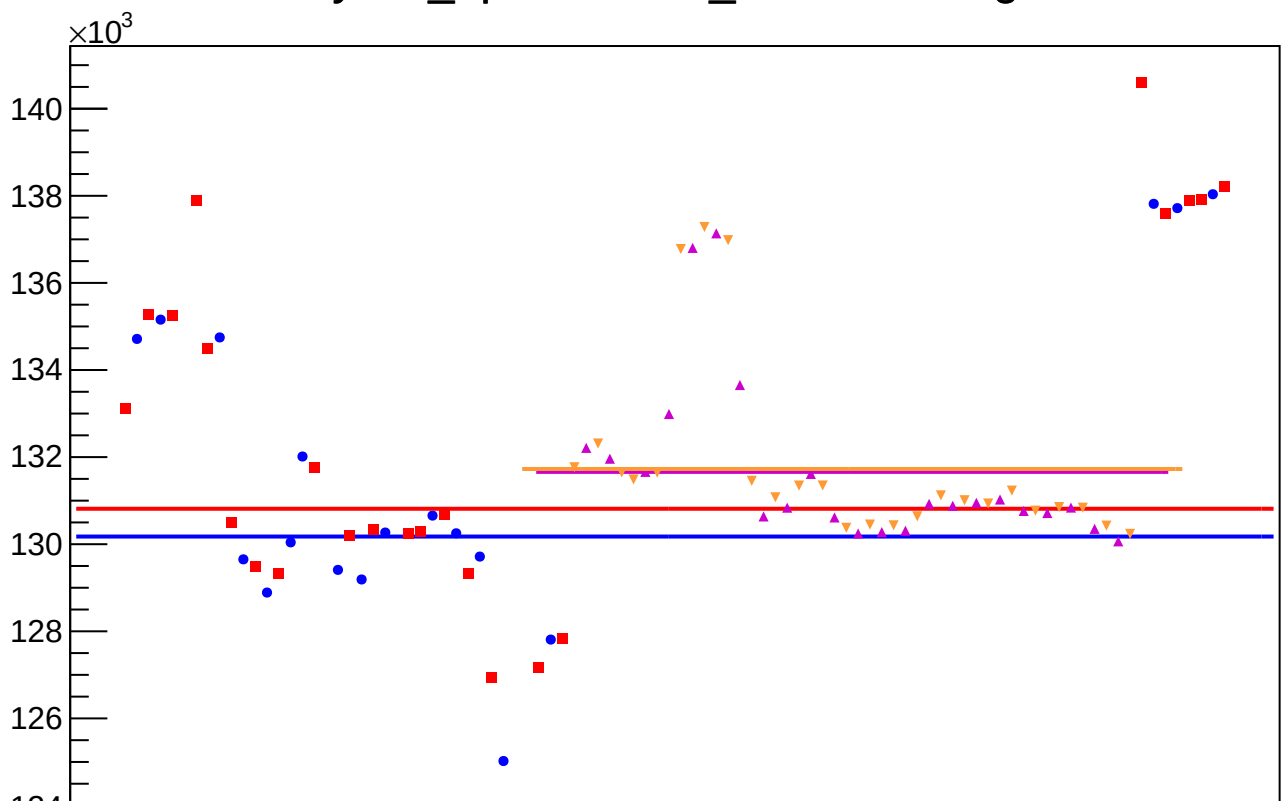
Right Out: 180.911+/-0.044 χ^2/NDF: 2370337.3/23

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 196.849+/-0.027 χ^2/NDF: 2552965.5/43

All: 195.881+/-0.019 χ^2/NDF: 5758215.3/90

- sign 194.928+/-0.027 χ^2/NDF: 3202727.4/46



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: 130814.165+/-0.057 χ^2/NDF: 4291762293.9/23

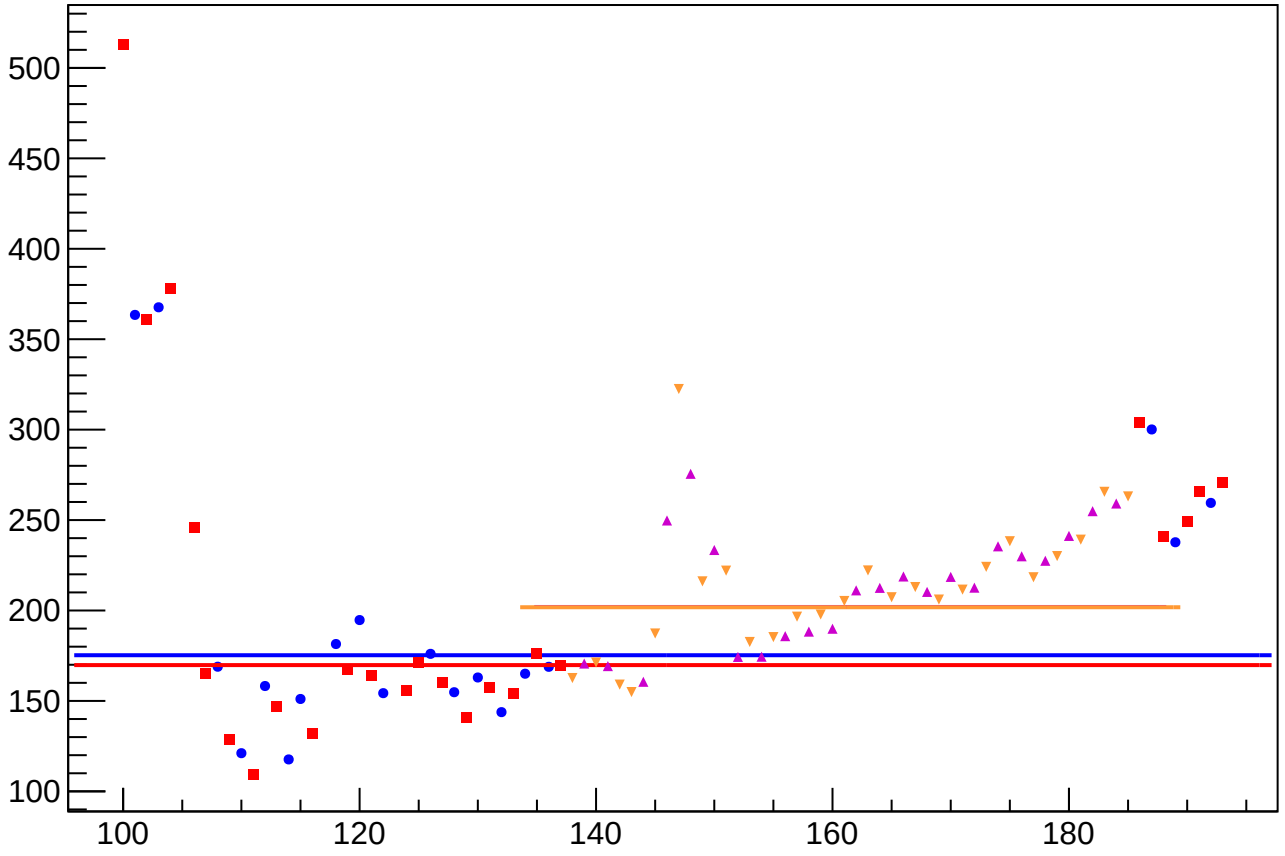
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 131171.992+/-0.038 χ^2/NDF: 5179107304.6

All: 131242.398+/-0.026 χ^2/NDF: 10769827

- sign 131310.386+/-0.037 χ^2/NDF: 5583805801.0/

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

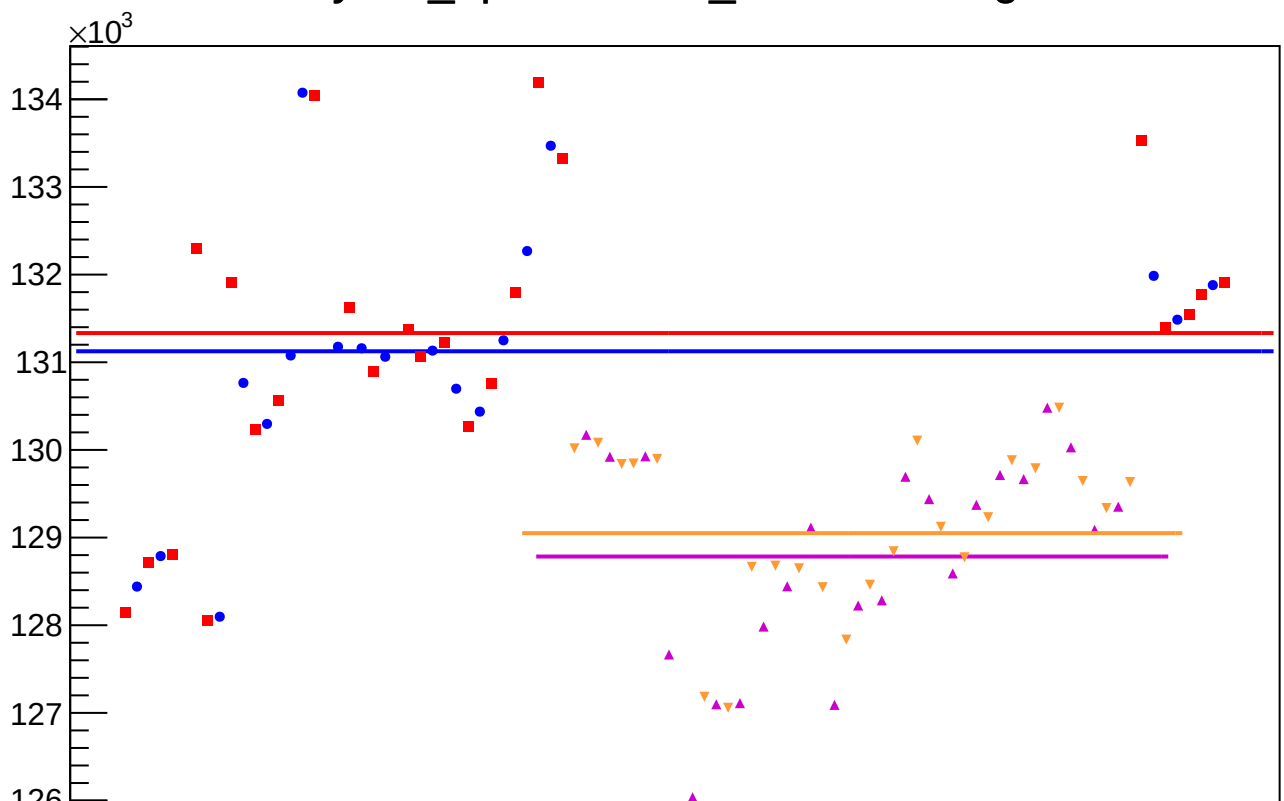
Right Out: 169.813+/-0.041 χ^2/NDF: 1935501.3/23

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 192.305+/-0.027 χ^2/NDF: 2449076.7/43

All: 190.448+/-0.019 χ^2/NDF: 5564992.7/90

- sign 188.654+/-0.026 χ^2/NDF: 3106289.0/46



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: 131333.120+/-0.053 χ^2/NDF: 634107869.7/23

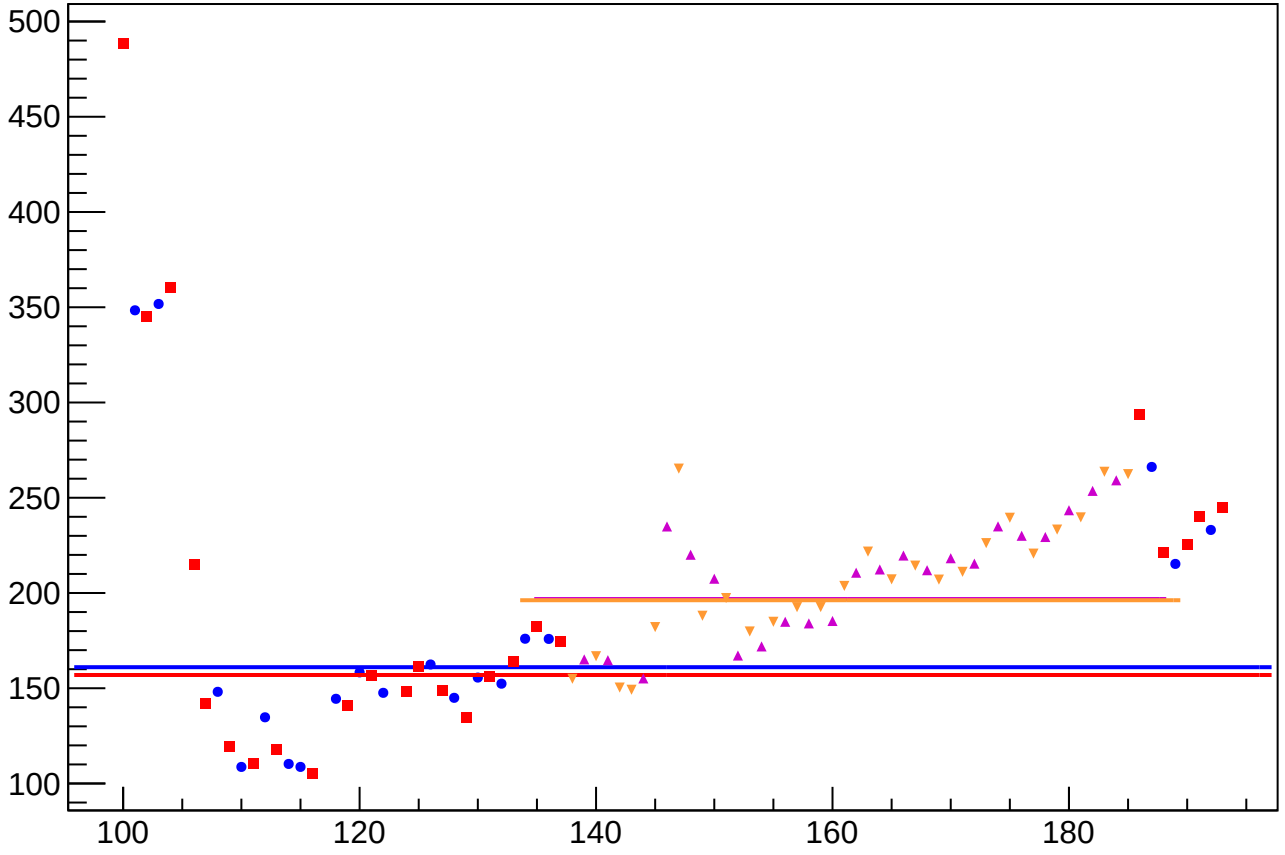
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 129851.371+/-0.036 χ^2/NDF: 1872611361.0

All: 129880.441+/-0.025 χ^2/NDF: 4467372

- sign 129908.559+/-0.035 χ^2/NDF: 2593452600.7/

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

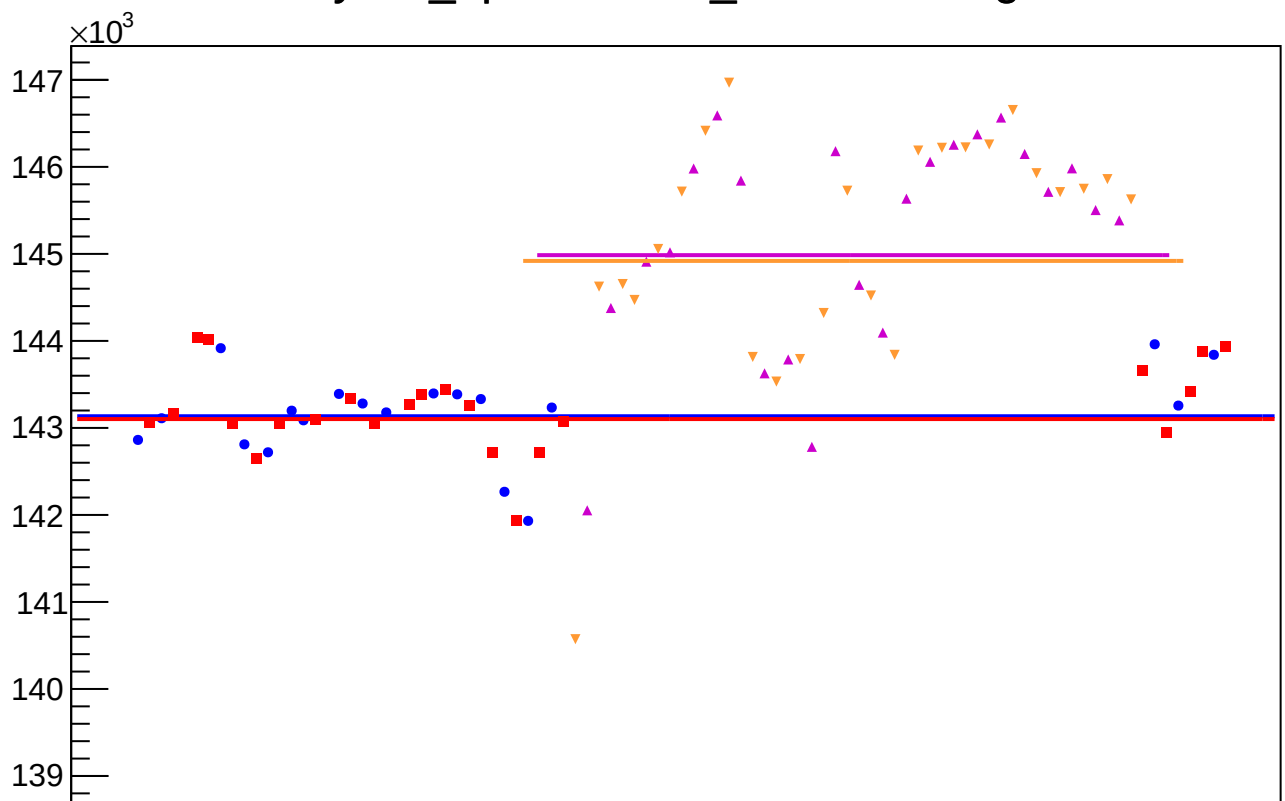
Right Out: 156.956+/-0.037 χ^2/NDF: 2010099.2/23

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 182.635+/-0.025 χ^2/NDF: 2788187.4/43

All: 180.911+/-0.018 χ^2/NDF: 6218750.0/90

- sign 179.244+/-0.025 χ^2/NDF: 3421362.9/46



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: 143101.850+/-0.057 χ^2/NDF: 62233629.3/23

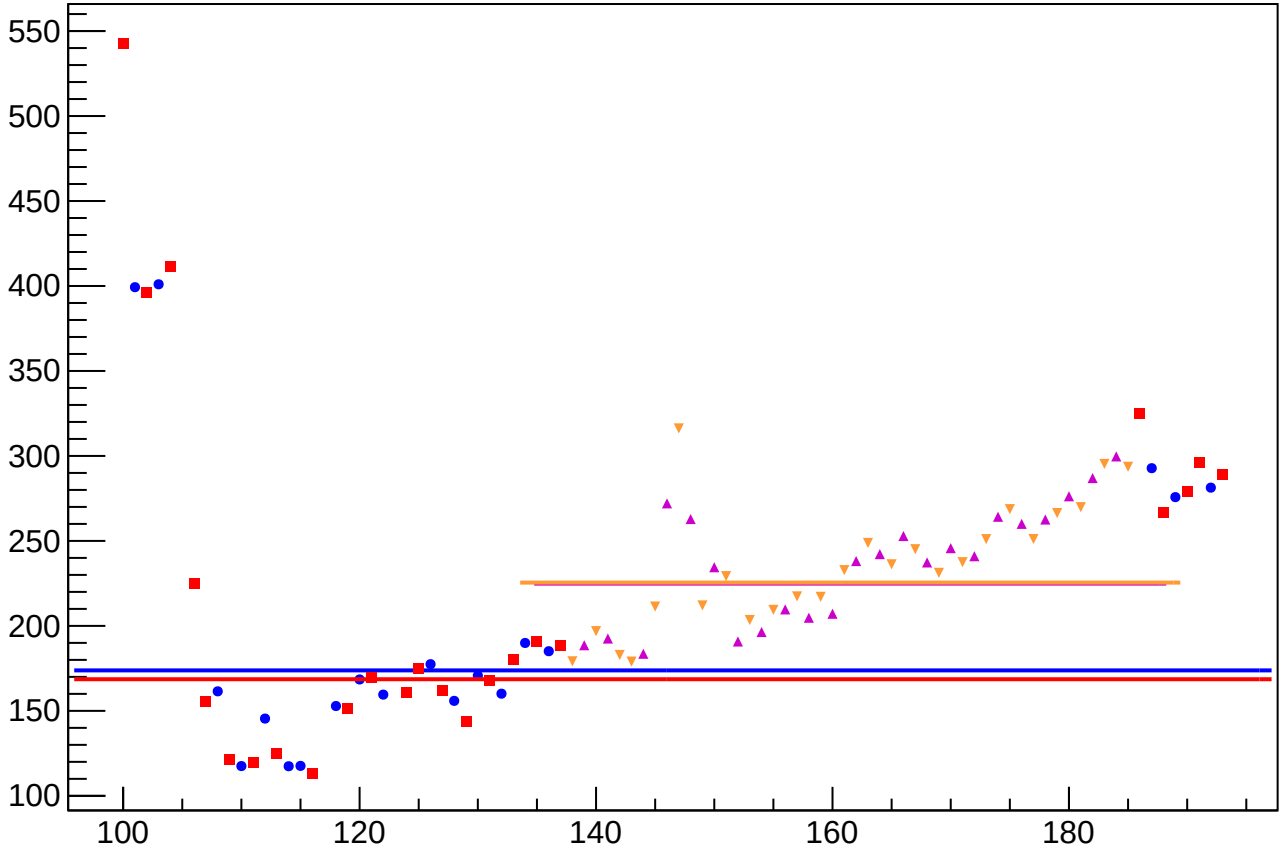
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144183.008+/-0.040 χ^2/NDF: 1372382214.7

All: 144143.766+/-0.028 χ^2/NDF: 26323554

- sign 144106.292+/-0.039 χ^2/NDF: 1258094787.0/

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

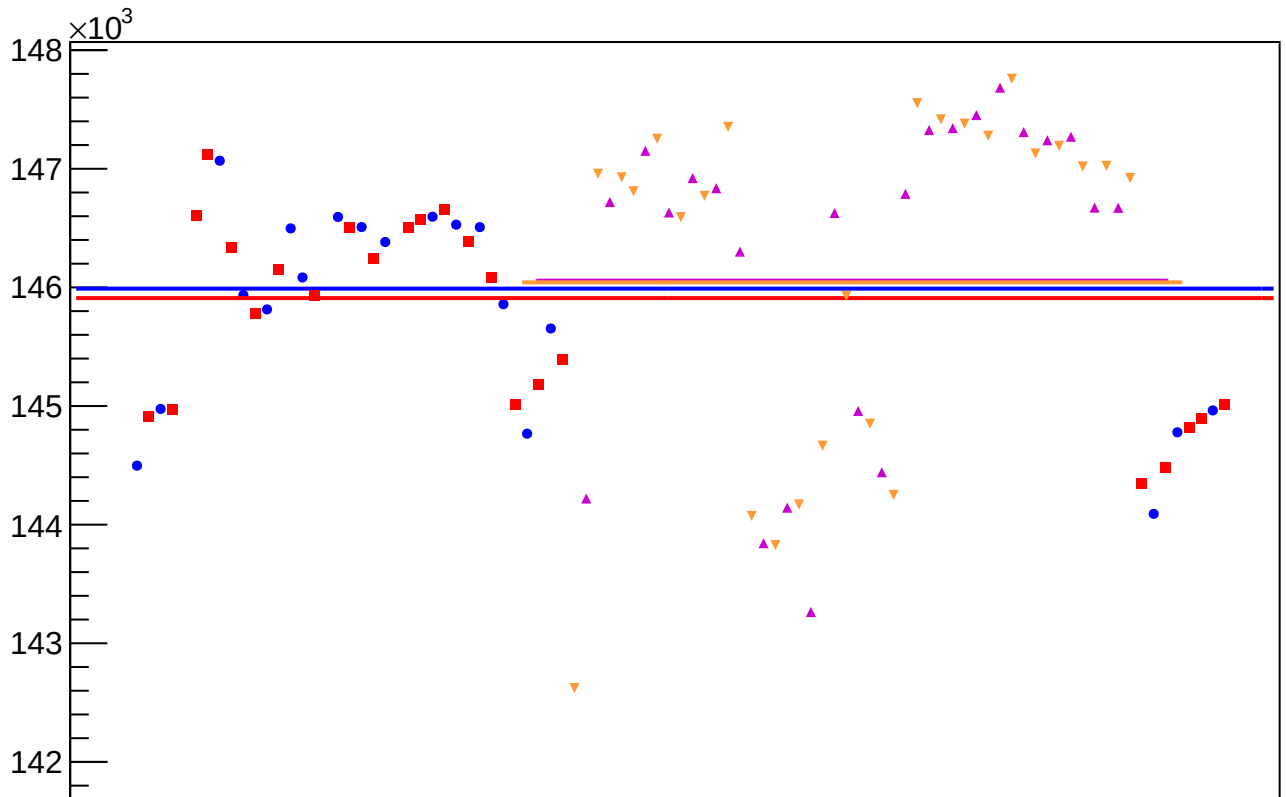
Right Out: 168.618+/-0.040 χ^2/NDF: 2376653.4/23

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 204.167+/-0.028 χ^2/NDF: 3244166.8/43

All: 201.325+/-0.020 χ^2/NDF: 7393498.4/90

- sign 198.612+/-0.028 χ^2/NDF: 4129633.3/46



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: 145909.794+/-0.058 χ^2/NDF: 150202295.6/23

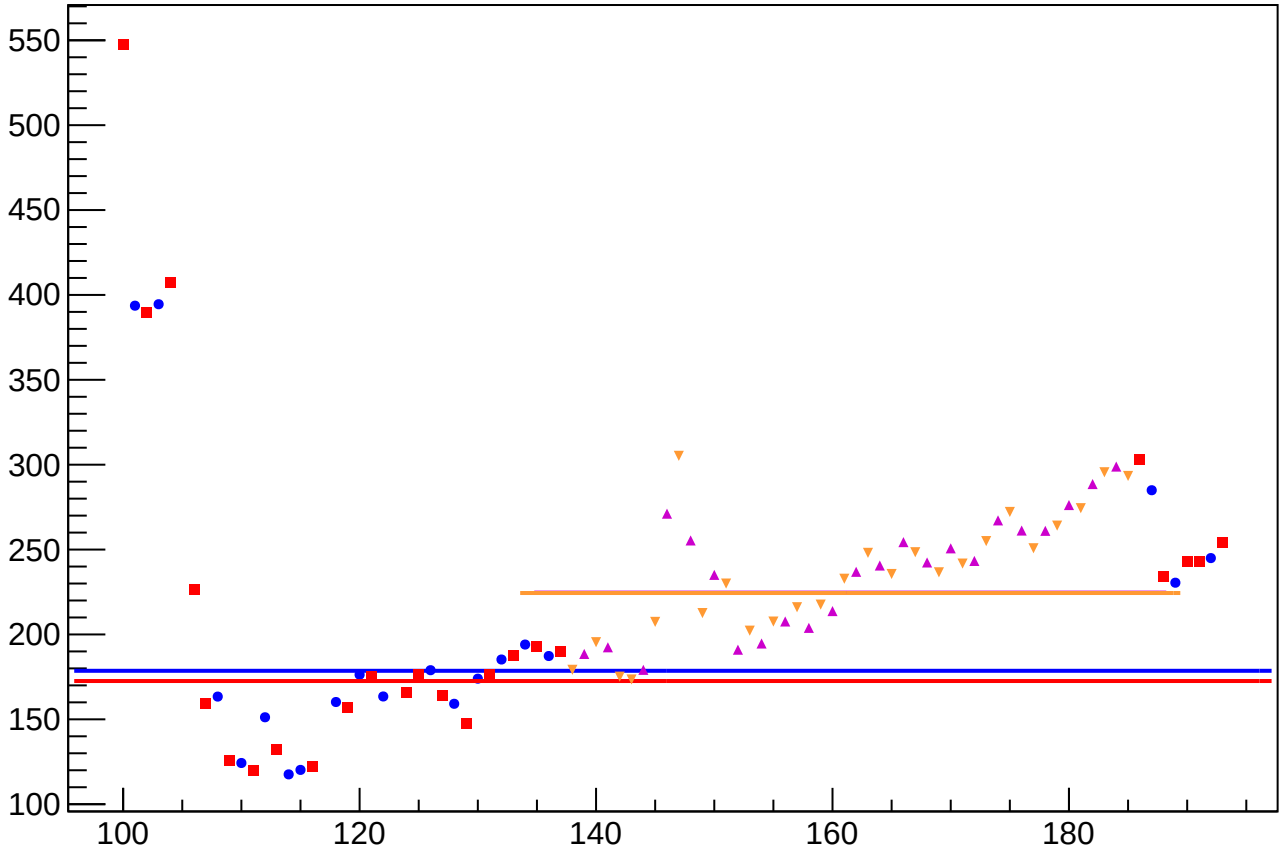
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 146021.333+/-0.040 χ^2/NDF: 999581192.7/4

All: 146004.695+/-0.028 χ^2/NDF: 18523360

- sign 145988.820+/-0.039 χ^2/NDF: 852420392.8/4

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

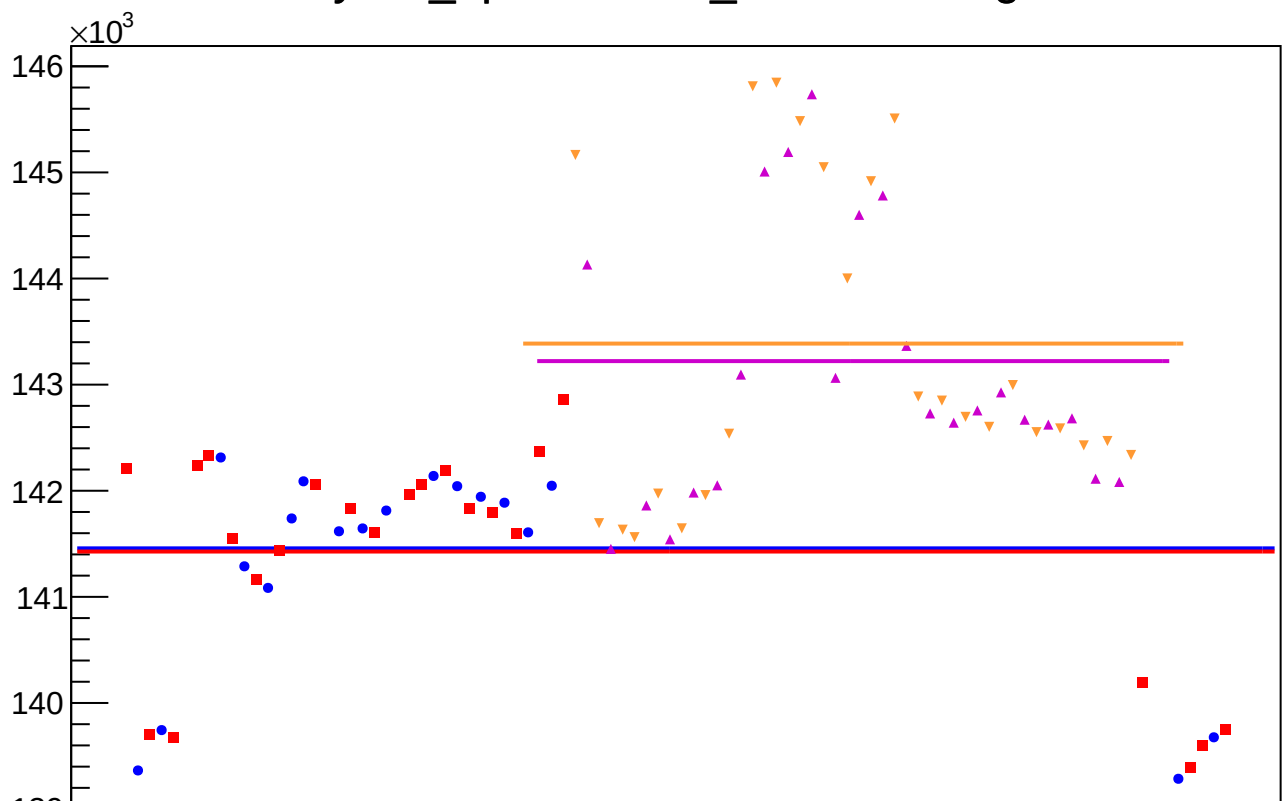
Right Out: 172.565+/-0.041 χ^2/NDF: 1912201.2/23

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 205.987+/-0.028 χ^2/NDF: 2808507.7/43

All: 203.224+/-0.020 χ^2/NDF: 6370099.5/90

- sign 200.588+/-0.028 χ^2/NDF: 3543146.4/46



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: 141427.238+/-0.060 χ^2/NDF: 221137425.8/23

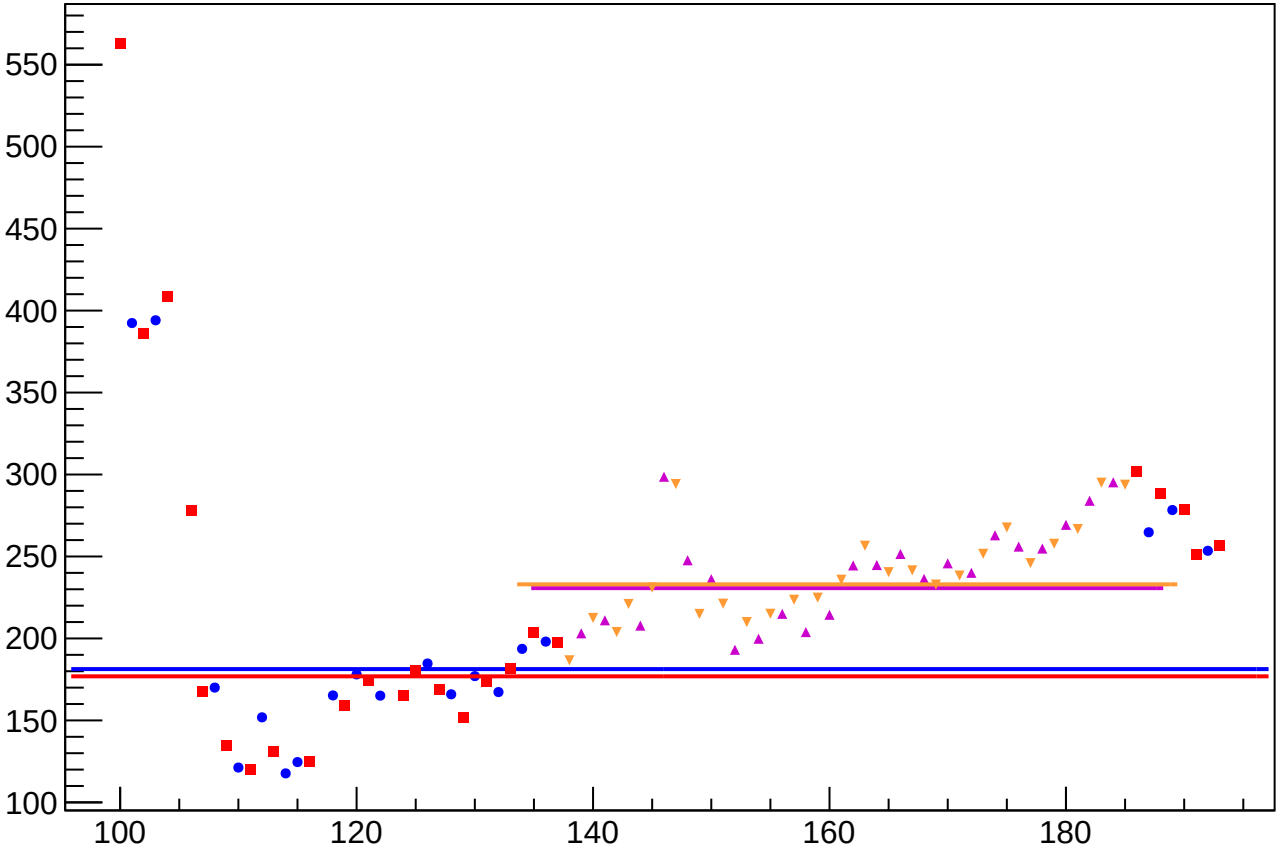
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign 142599.705+/-0.041 χ^2/NDF: 1482784446.9/

All: 142497.471+/-0.029 χ^2/NDF: 27467818

- sign 142399.852+/-0.040 χ^2/NDF: 1252023583.9/

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

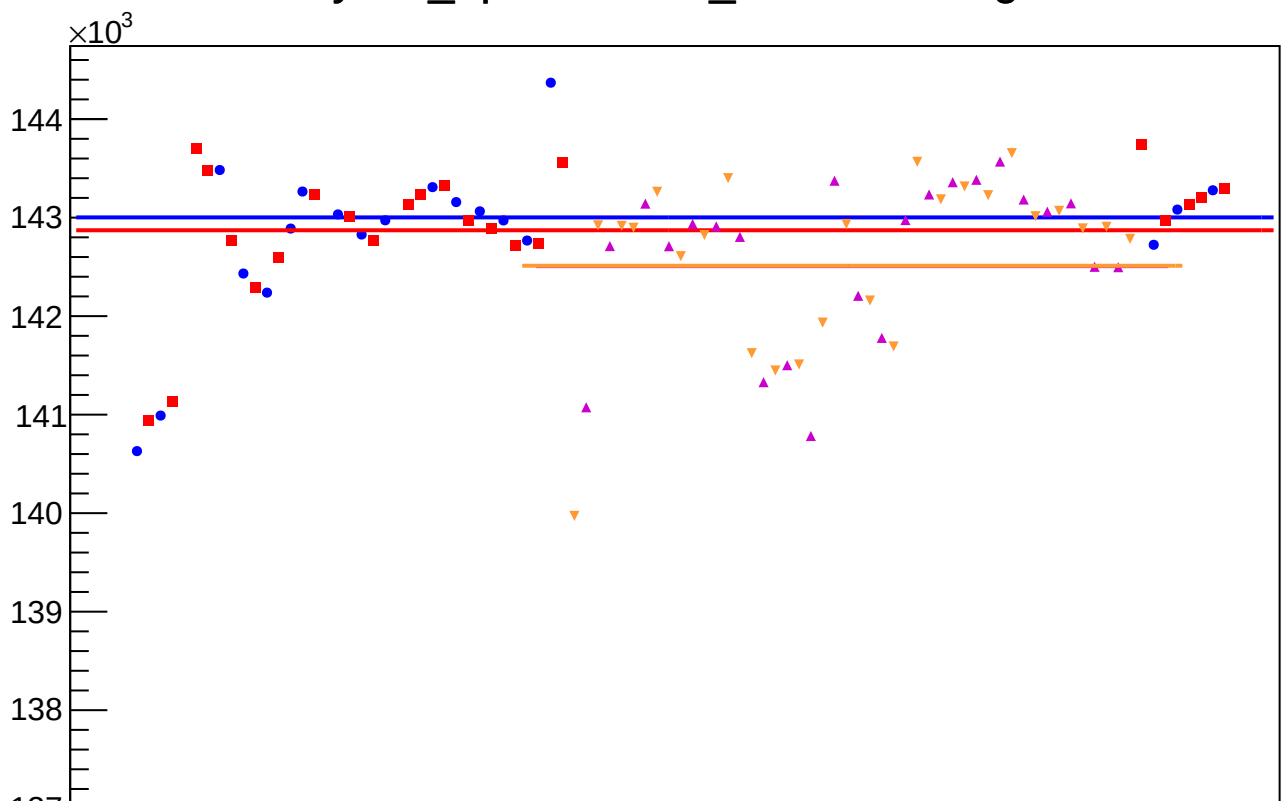
Right Out: 176.882+/-0.042 χ^2/NDF: 2098033.2/23

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 211.918+/-0.029 χ^2/NDF: 2629260.5/43

All: 208.915+/-0.020 χ^2/NDF: 6142289.3/90

- sign 206.046+/-0.029 χ^2/NDF: 3492355.6/46



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: 142871.691+/-0.060 χ^2/NDF: 70041370.1/23

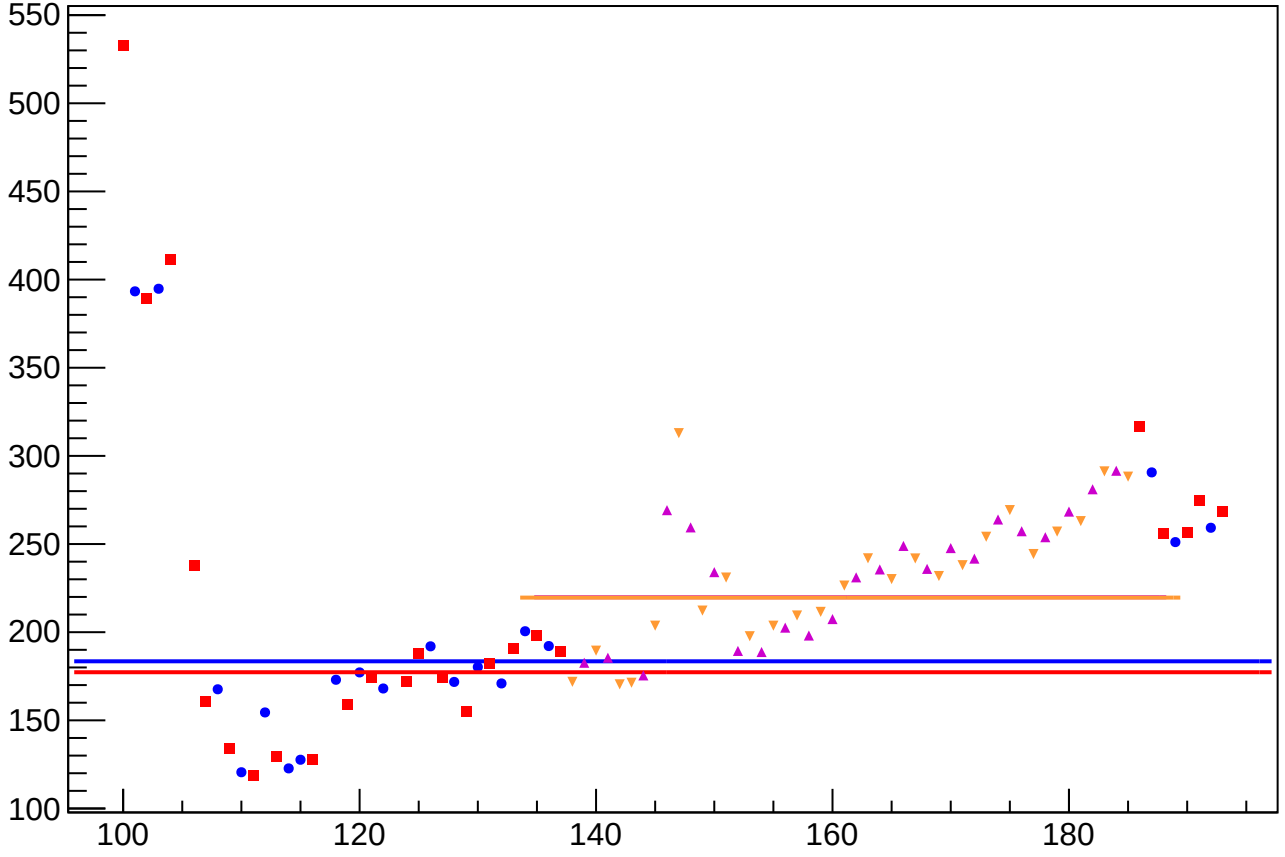
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142696.792+/-0.040 χ^2/NDF: 482300829.8/4

All: 142681.196+/-0.028 χ^2/NDF: 84294788

- sign 142666.206+/-0.039 χ^2/NDF: 360351153.6/4

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

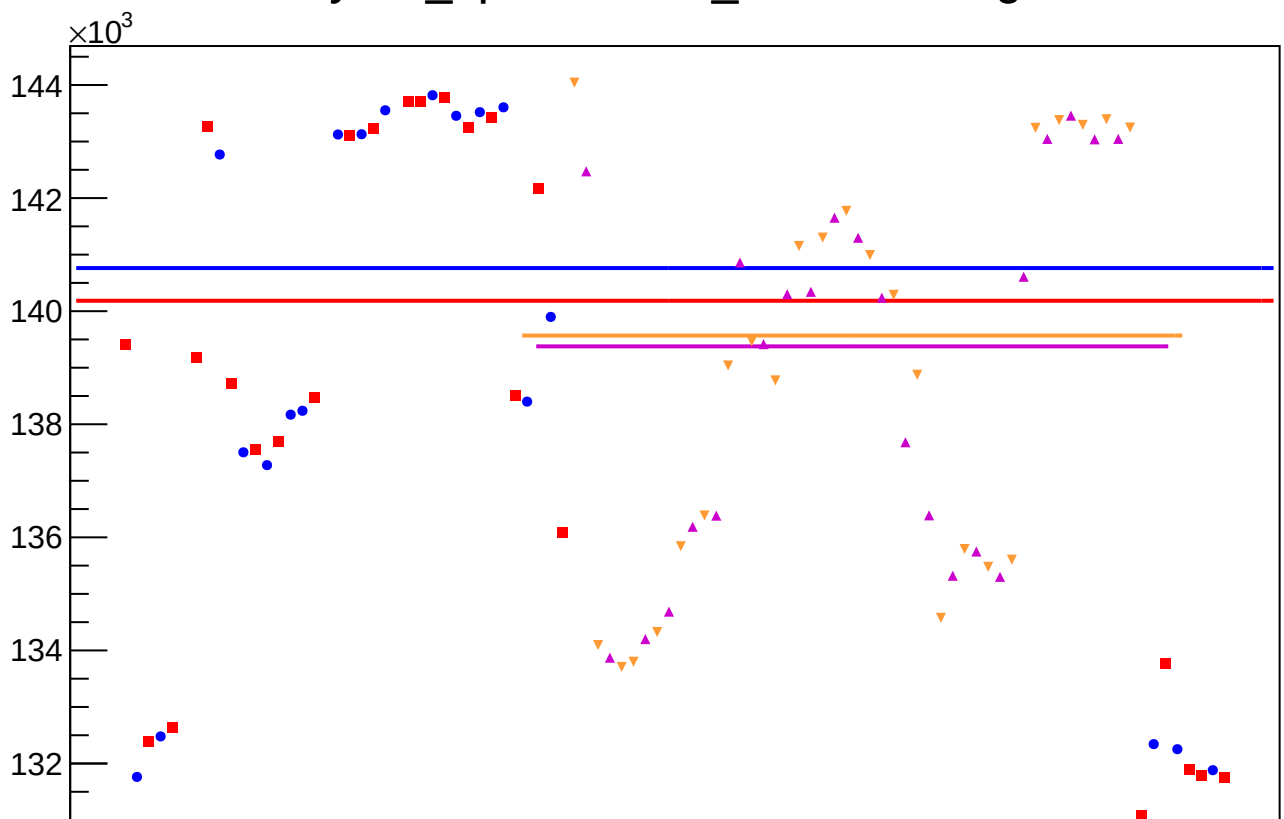
Right Out: 177.288+/-0.042 χ^2/NDF: 2012409.9/23

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 205.971+/-0.028 χ^2/NDF: 2657396.1/43

All: 203.582+/-0.020 χ^2/NDF: 6063061.5/90

- sign 201.286+/-0.028 χ^2/NDF: 3391783.1/46



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: 140184.289+/-0.094 χ^2/NDF: 1979680341.1/23

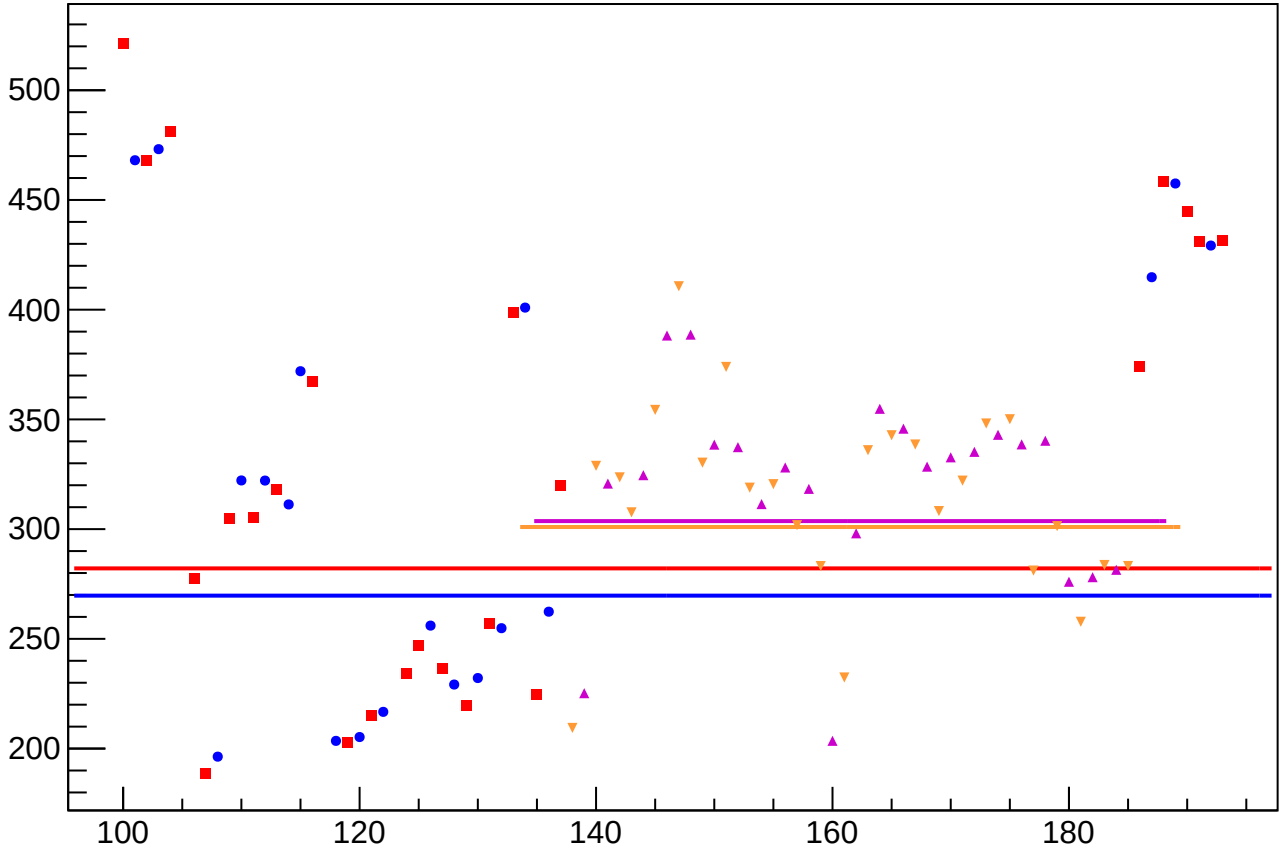
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139979.973+/-0.057 χ^2/NDF: 4360945641.4

All: 139832.355+/-0.040 χ^2/NDF: 83216126

- sign 139679.390+/-0.058 χ^2/NDF: 3946863298.3/

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

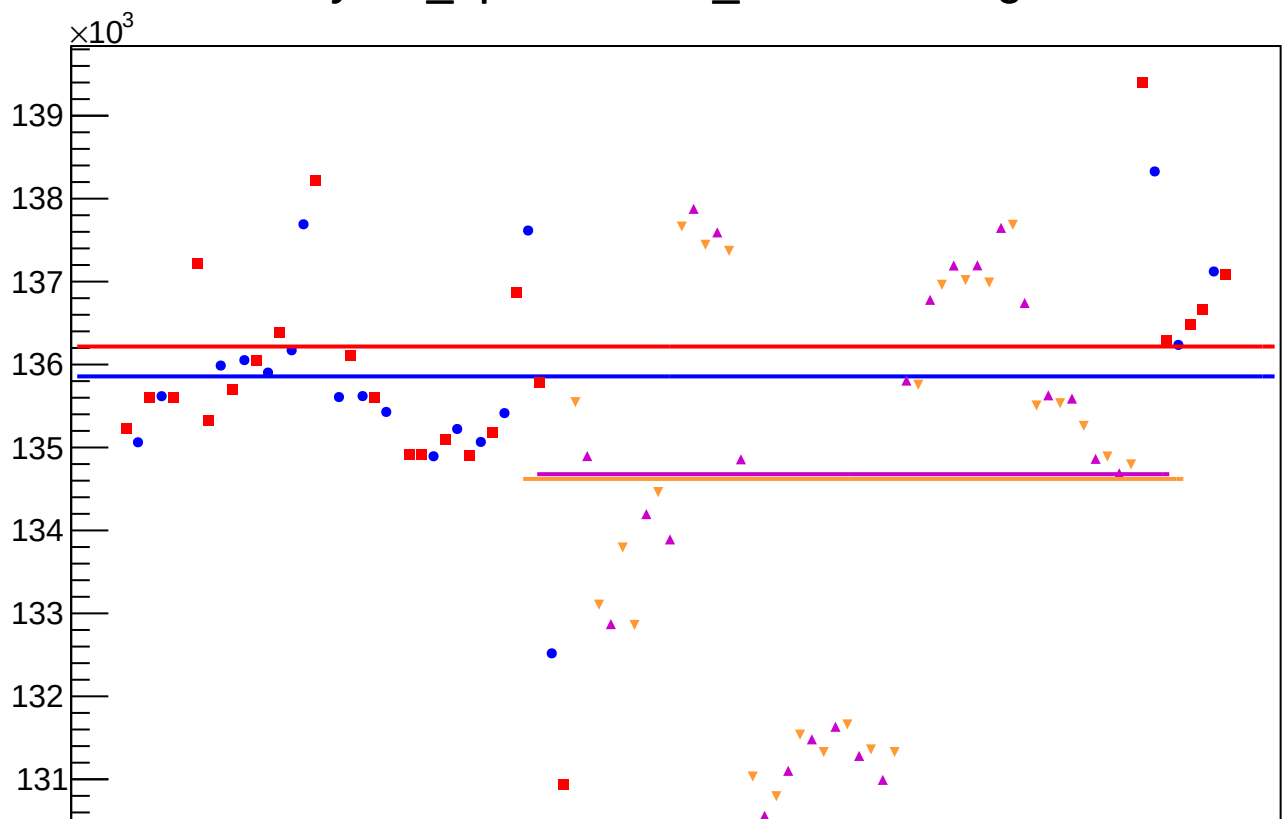
Right Out: 282.110+/-0.067 χ^2/NDF: 1741367.1/23

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

\+ sign 290.191+/-0.040 χ^2/NDF: 2492898.4/43

All: 292.846+/-0.029 χ^2/NDF: 5284730.7/90

\- sign 295.597+/-0.041 χ^2/NDF: 2782904.6/46



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: 136217.327+/-0.091 χ^2/NDF: 146286239.5/23

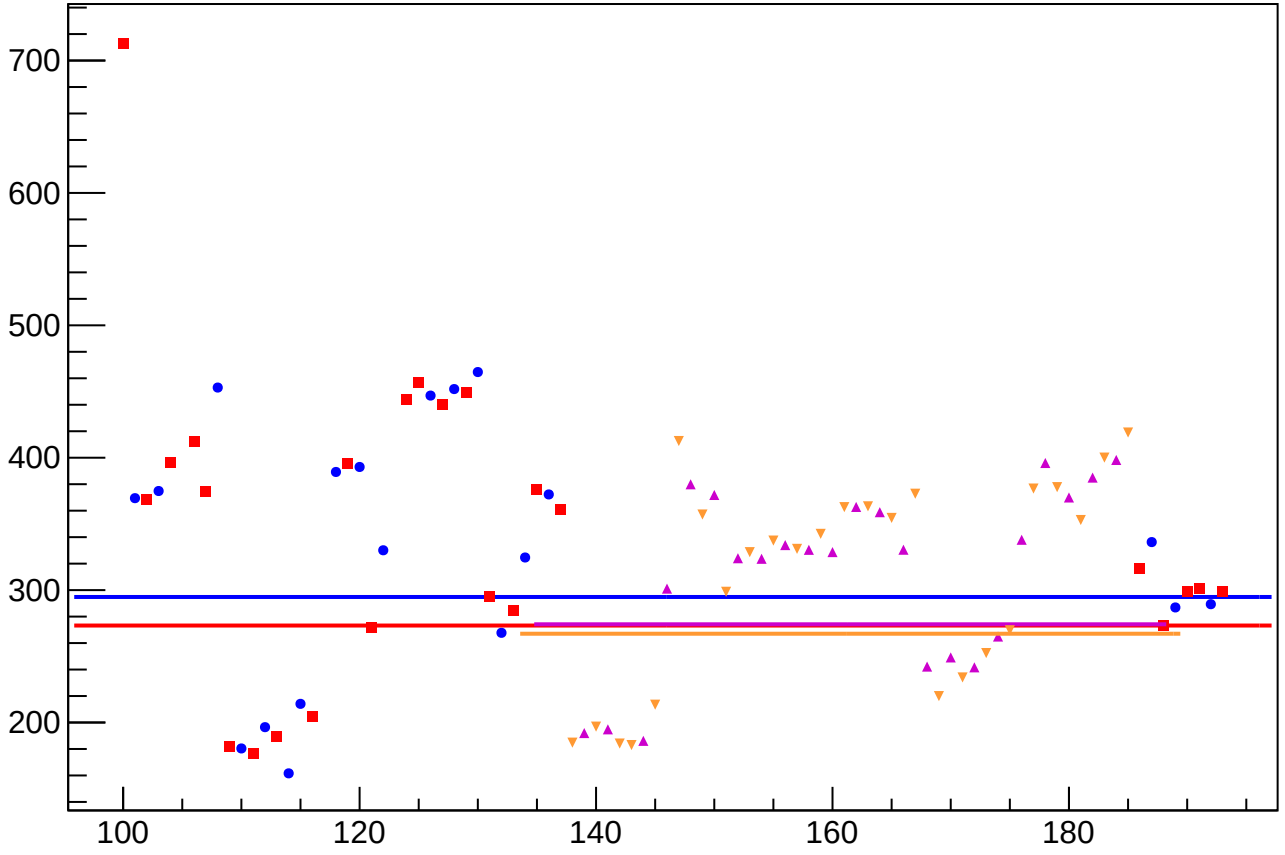
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134954.453+/-0.054 χ^2/NDF: 1432438454.9

All: 135086.574+/-0.038 χ^2/NDF: 28715922

- sign 135216.246+/-0.054 χ^2/NDF: 1427493297.5/

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

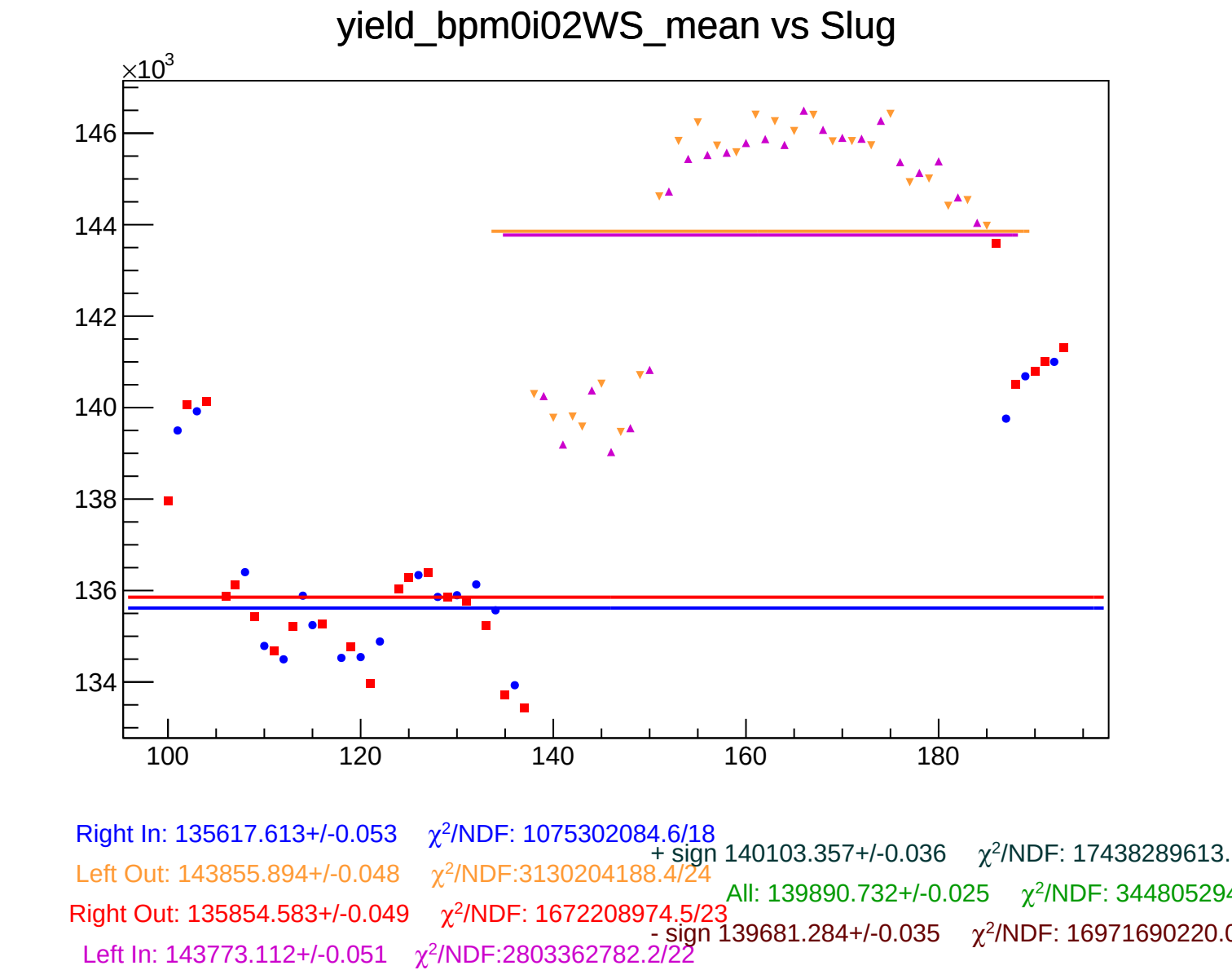
Right Out: 273.245+/-0.065 χ^2/NDF: 1720682.0/23

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

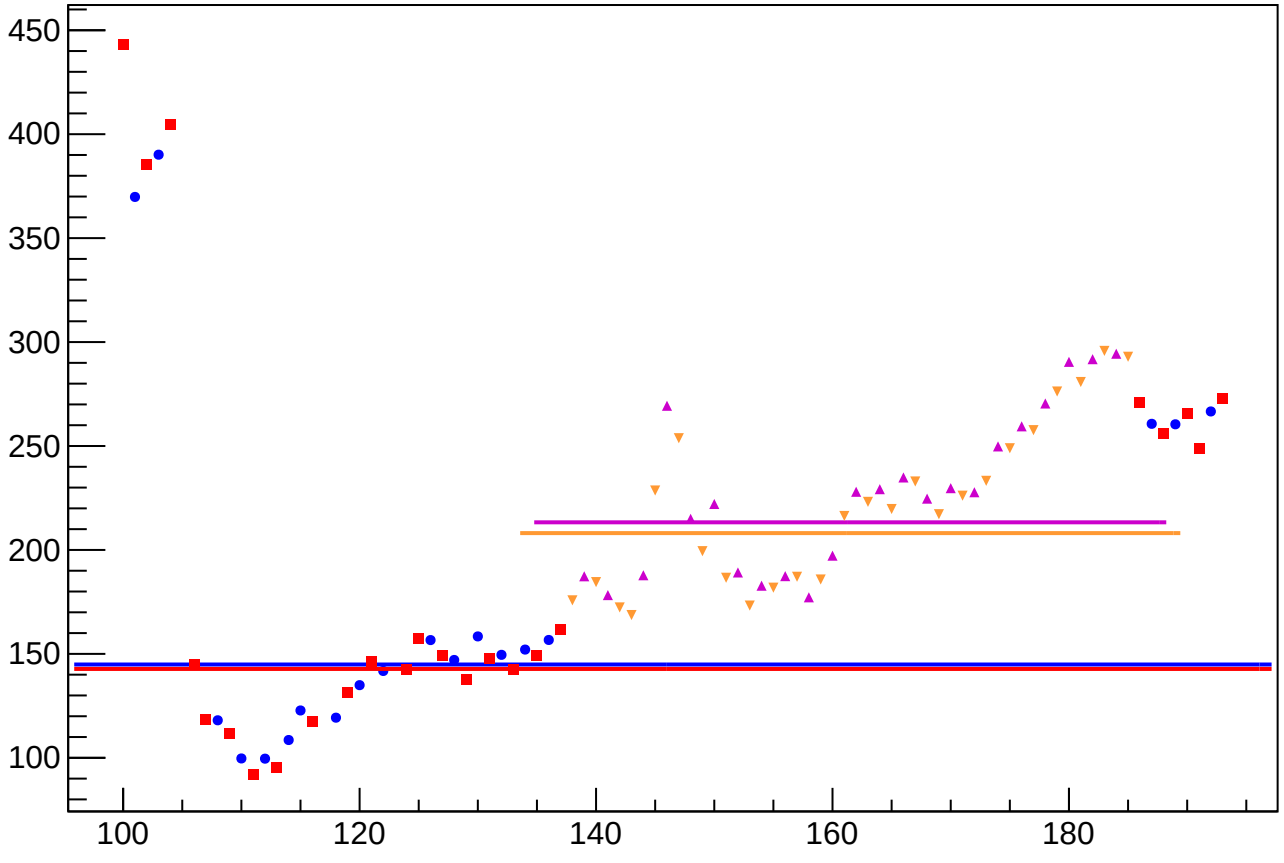
+ sign 274.543+/-0.039 χ^2/NDF: 4395228.5/43

All: 274.194+/-0.027 χ^2/NDF: 8352964.0/90

- sign 273.851+/-0.038 χ^2/NDF: 3957572.9/46


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: 135854.583+/-0.049 χ²/NDF: 1672208974.5/23
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
+ sign 140103.357+/-0.036 χ²/NDF: 17438289613.
All: 139890.732+/-0.025 χ²/NDF: 34480529
- sign 139681.284+/-0.035 χ²/NDF: 16971690220.

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

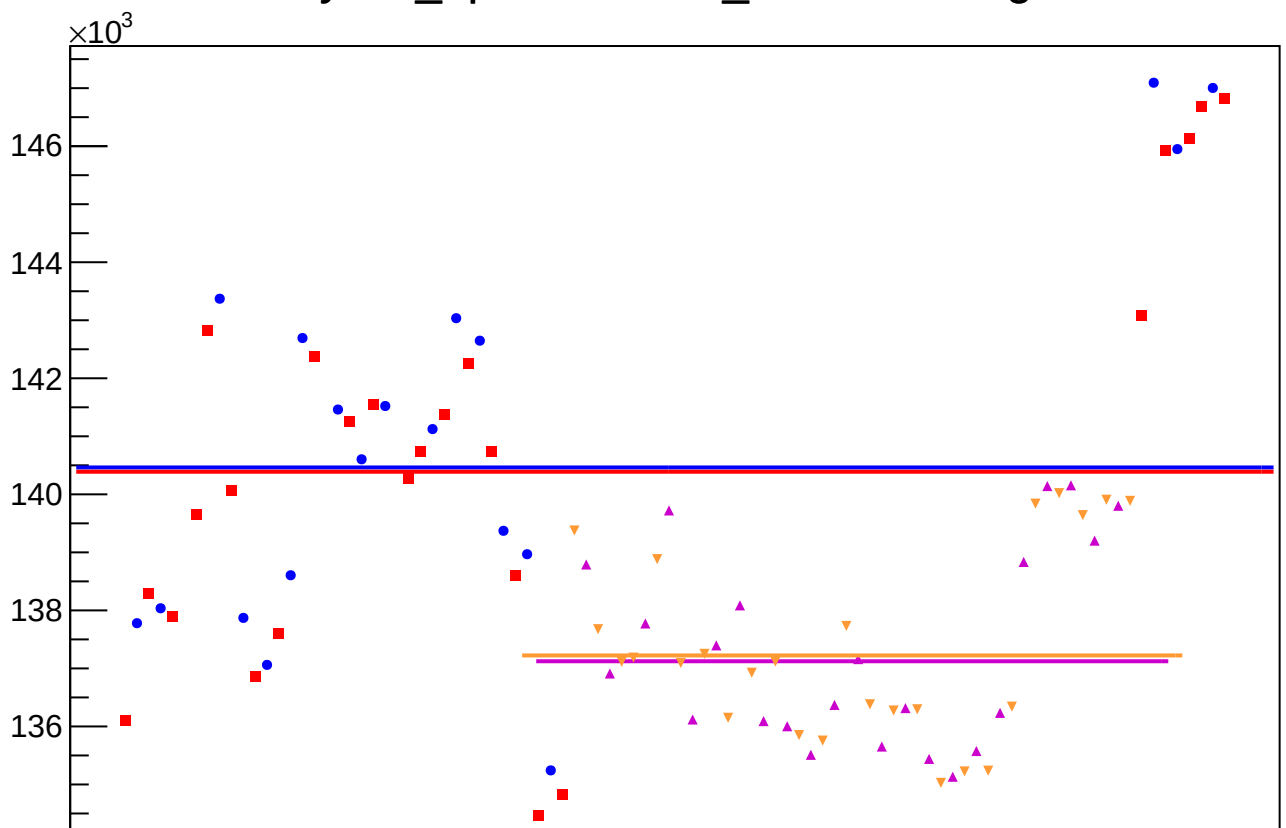
Right Out: 142.756+/-0.035 χ^2/NDF: 2770953.2/23

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 179.307+/-0.025 χ^2/NDF: 4669263.3/43

All: 178.065+/-0.018 χ^2/NDF: 10293409.5/90

- sign 176.841+/-0.025 χ^2/NDF: 5619327.5/46



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: 140389.439+/-0.056 χ^2/NDF: 2961271522.2/23

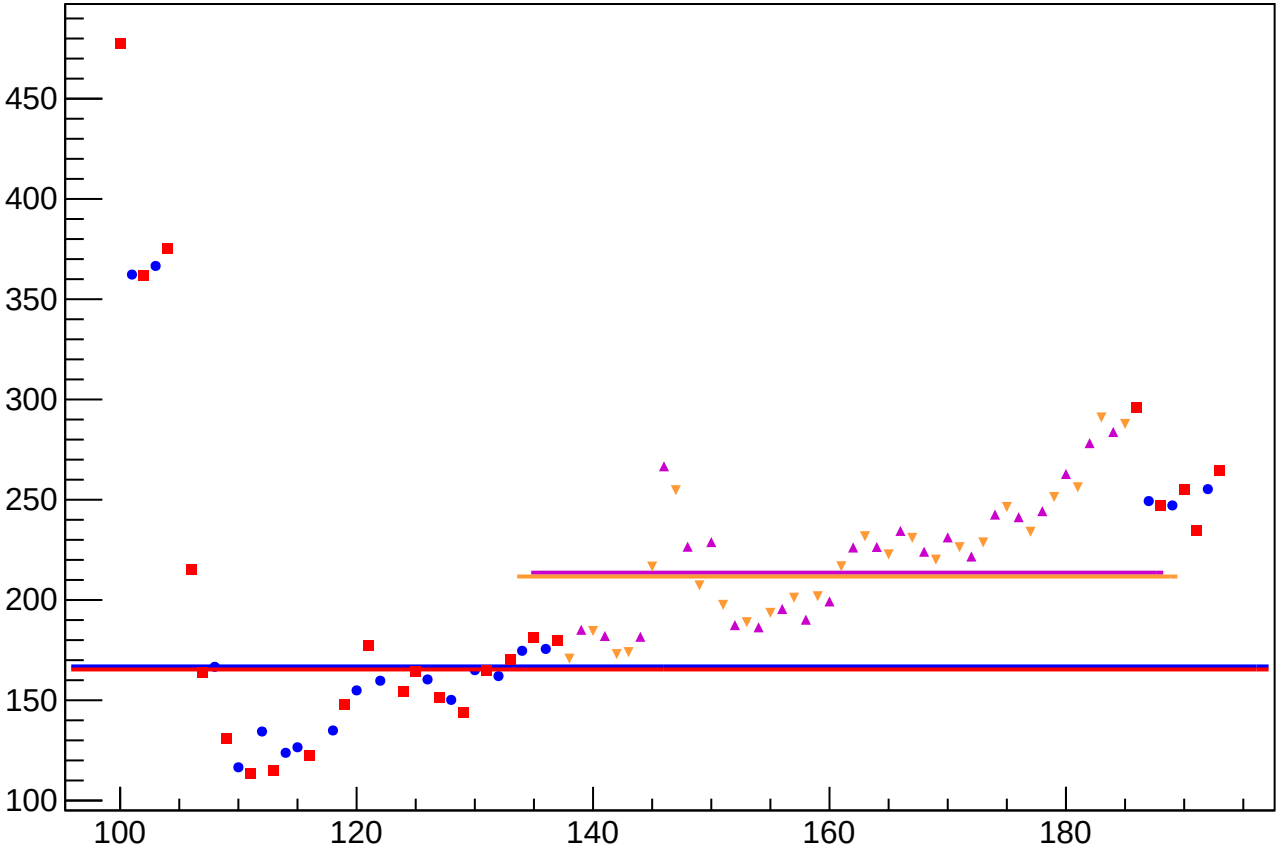
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138531.925+/-0.038 χ^2/NDF: 5446837472.6

All: 138569.207+/-0.027 χ^2/NDF: 11138687

- sign 138605.998+/-0.038 χ^2/NDF: 5690105551.3/

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

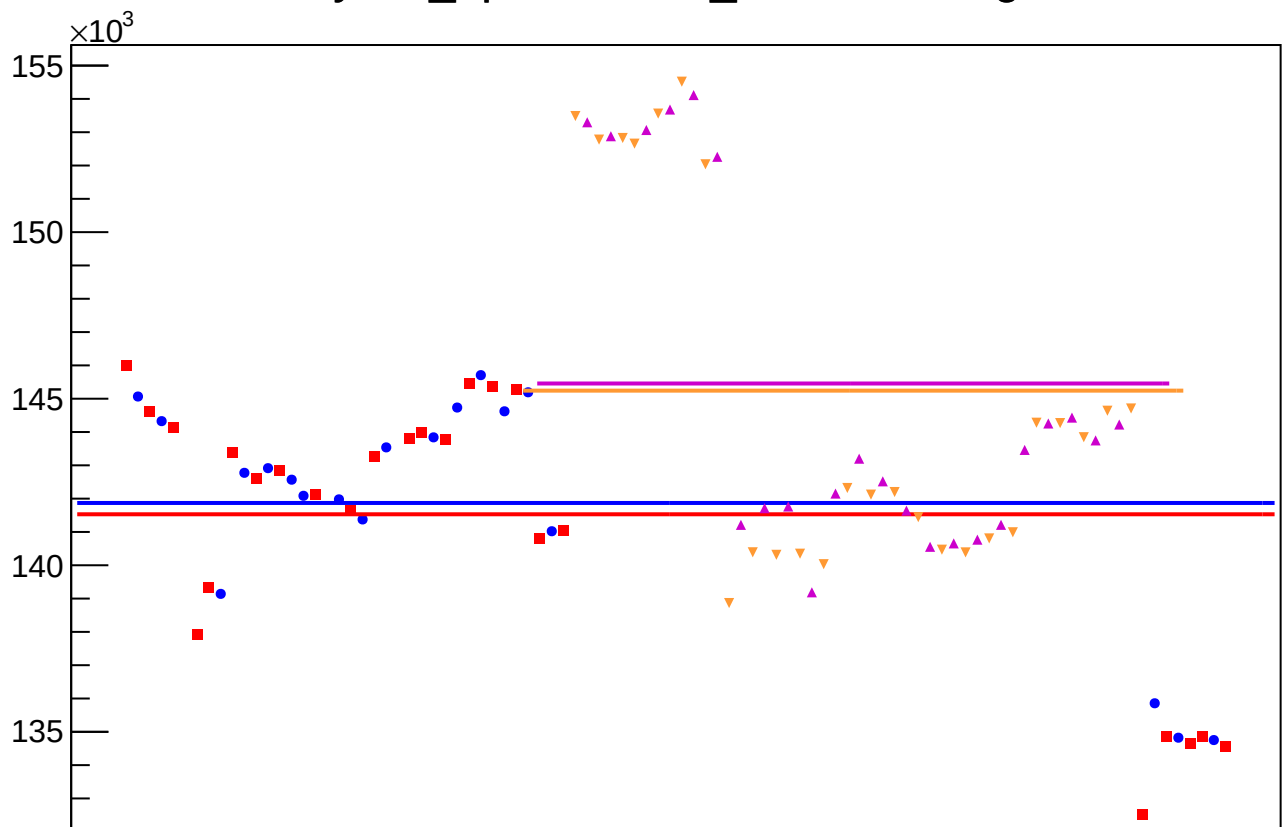
Right Out: 165.360+/-0.039 χ^2/NDF: 2029654.9/23

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 193.603+/-0.027 χ^2/NDF: 2790832.3/43

All: 192.658+/-0.019 χ^2/NDF: 6260880.8/90

- sign 191.725+/-0.027 χ^2/NDF: 3467574.1/46



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: 141530.566+/-0.056 χ^2/NDF: 3955280214.1/23

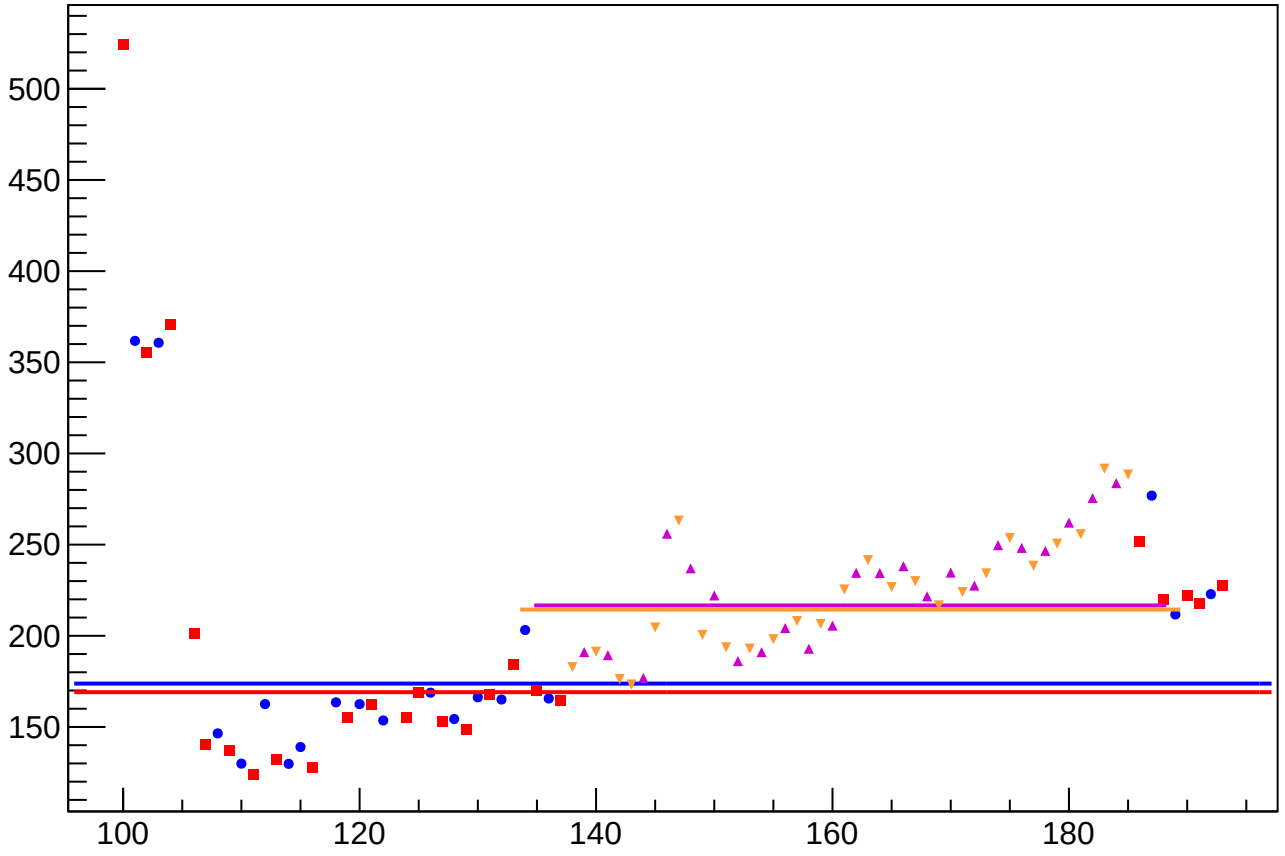
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143909.476+/-0.039 χ^2/NDF: 17521528084.

All: 143783.840+/-0.027 χ^2/NDF: 35219290

- sign 143661.977+/-0.038 χ^2/NDF: 17676878993.1

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

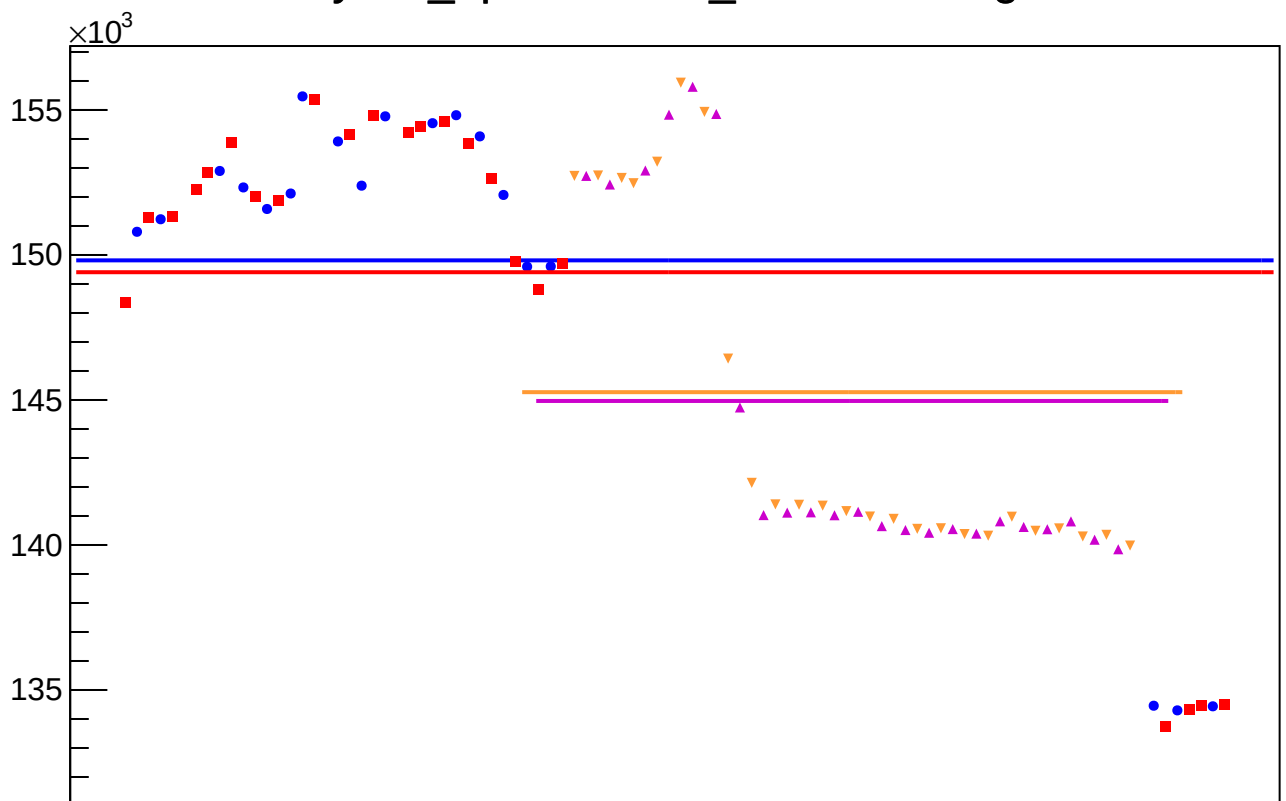
Right Out: 169.078+/-0.040 χ^2/NDF: 1438247.5/23

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

\+ sign 198.341+/-0.027 χ^2/NDF: 2239076.8/43

All: 196.597+/-0.019 χ^2/NDF: 5050371.1/90

\- sign 194.906+/-0.027 χ^2/NDF: 2803252.1/46



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: 149405.776+/-0.060 χ^2/NDF: 15504709020.3/23

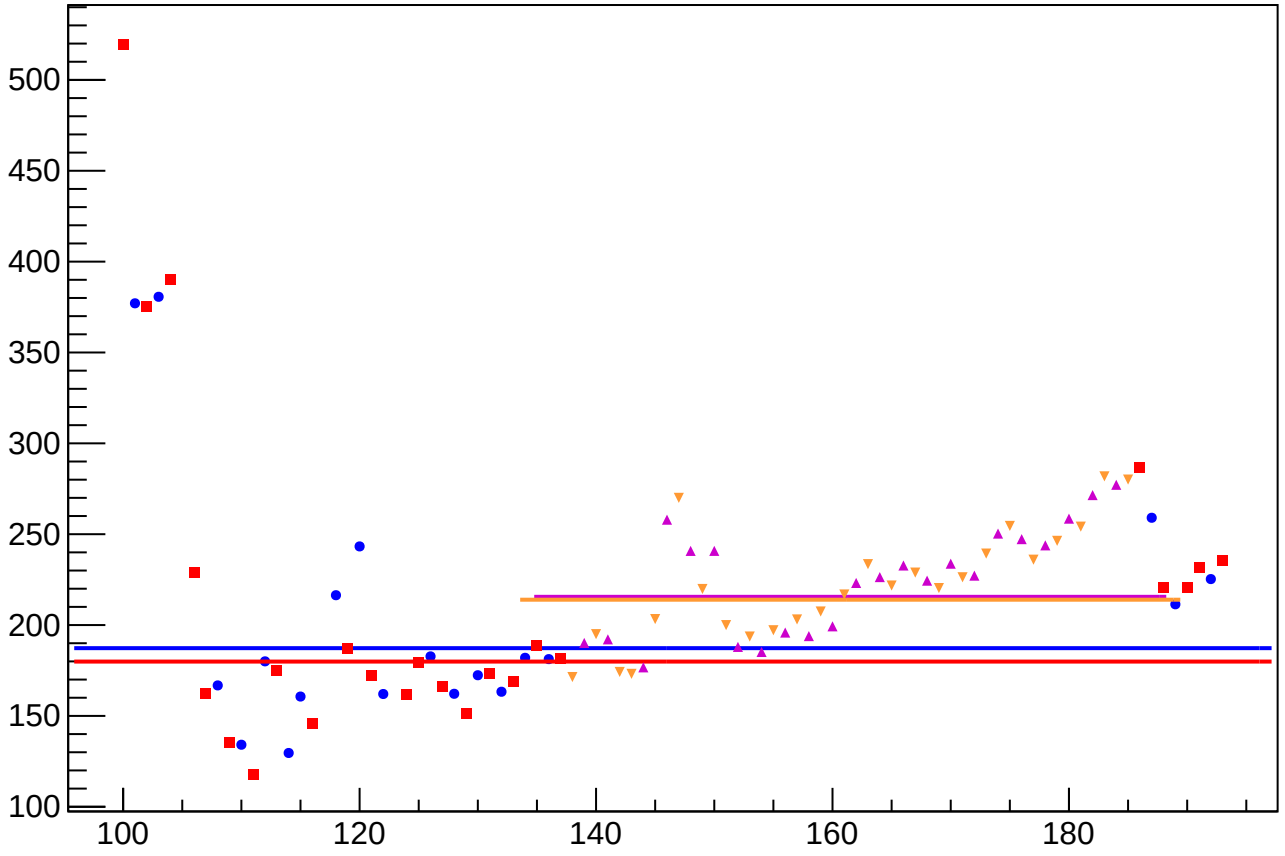
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 146872.049+/-0.040 χ^2/NDF: 26755182251.

All: 146847.802+/-0.028 χ^2/NDF: 58561144

- sign 146824.395+/-0.039 χ^2/NDF: 31805230231.3

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

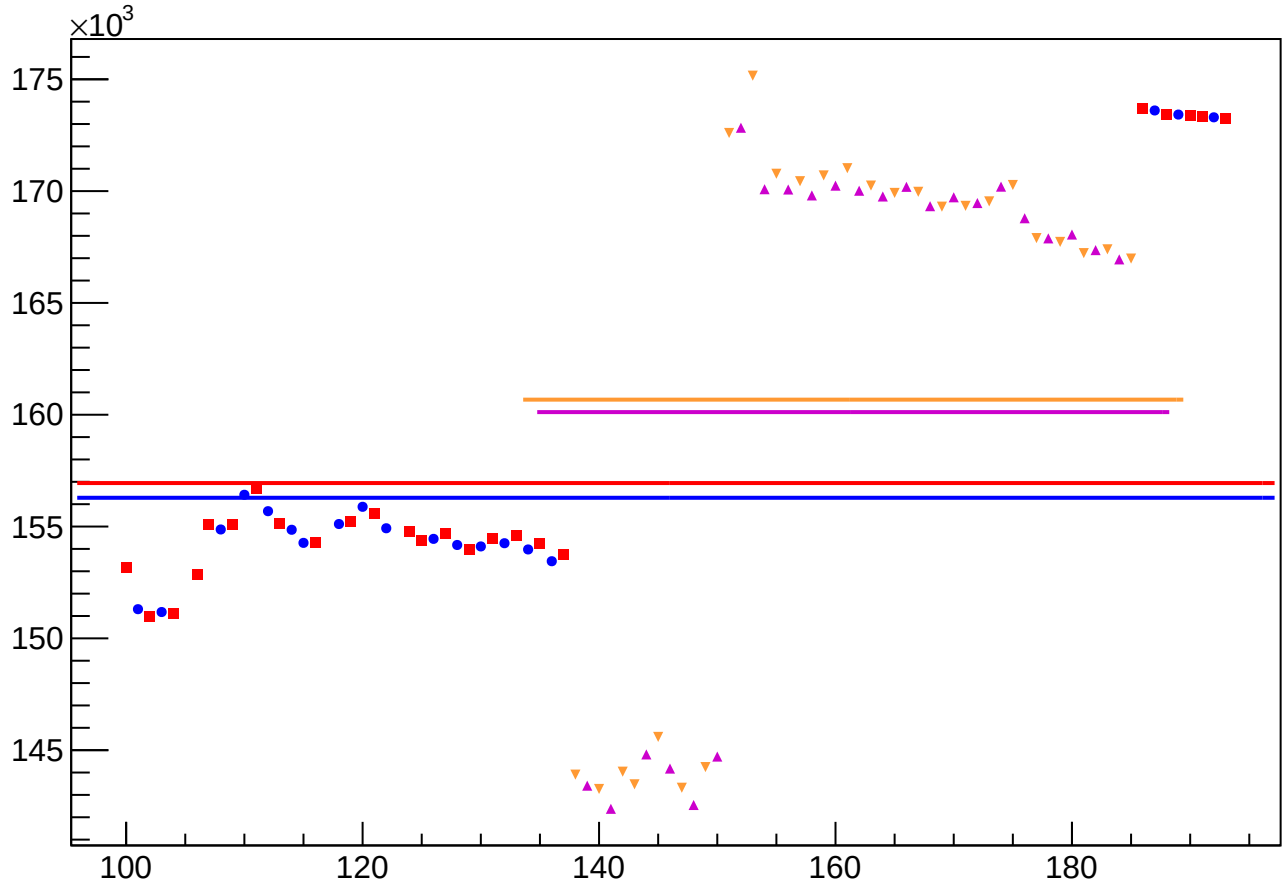
Right Out: 179.902+/-0.043 χ^2/NDF: 1459357.3/23

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 204.550+/-0.028 χ^2/NDF: 1875833.7/43

All: 202.552+/-0.020 χ^2/NDF: 4351155.8/90

- sign 200.624+/-0.028 χ^2/NDF: 2465386.0/46



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: 156945.068+/-0.057 χ^2/NDF: 11026043749.1/23

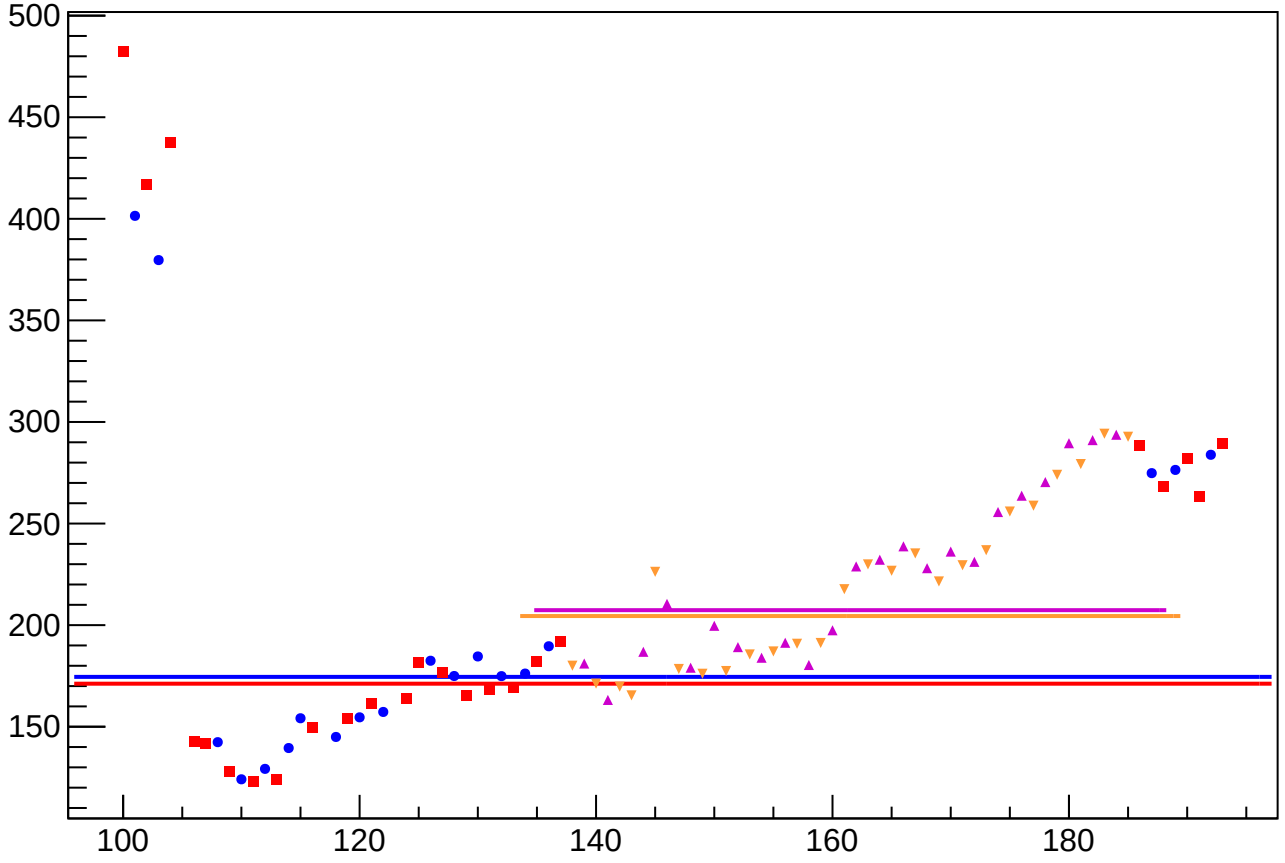
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 159070.242+/-0.038 χ^2/NDF: 84378348317.

All: 158918.147+/-0.027 χ^2/NDF: 16374365

- sign 158768.420+/-0.037 χ^2/NDF: 79333087644.

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

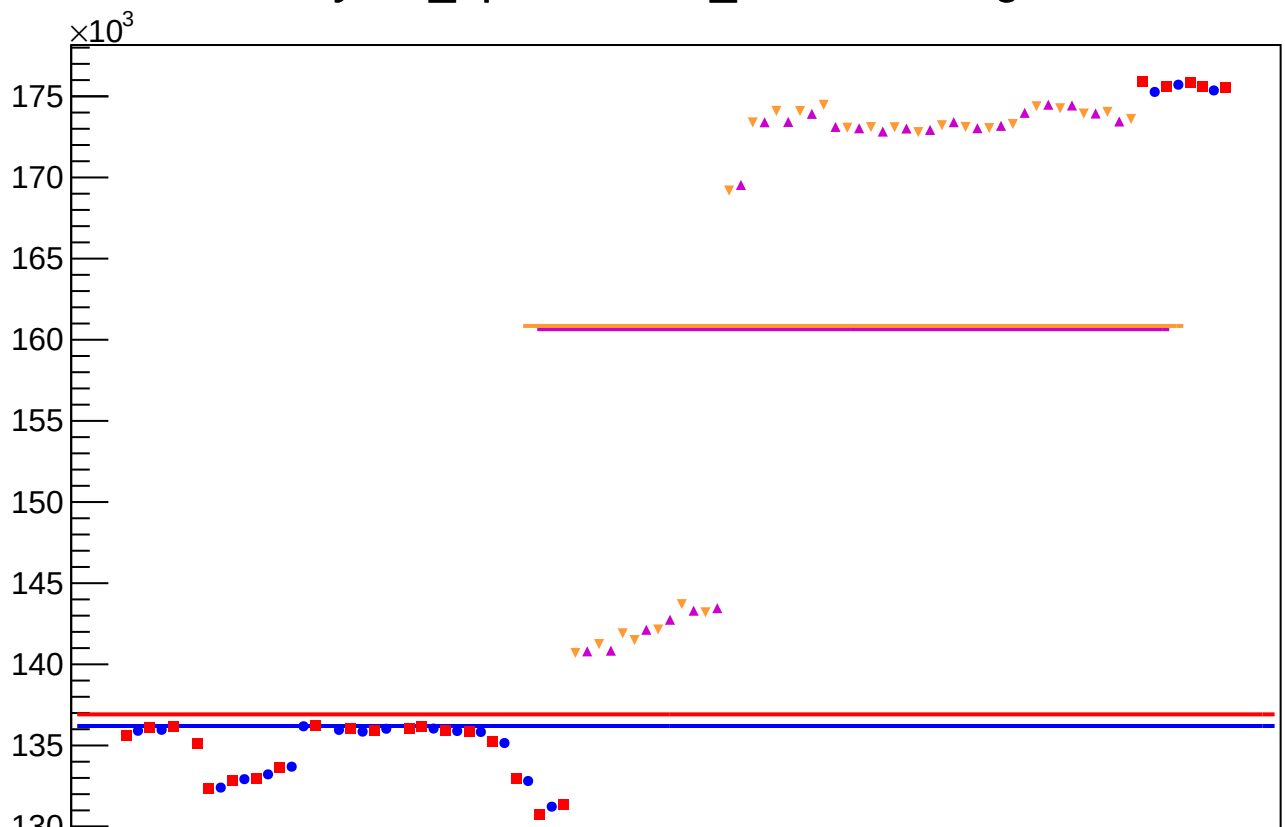
Right Out: 171.179+/-0.041 χ^2/NDF: 2159068.5/23

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 193.526+/-0.027 χ^2/NDF: 2961637.9/43

All: 192.747+/-0.019 χ^2/NDF: 6535504.6/90

- sign 191.979+/-0.026 χ^2/NDF: 3572173.0/46



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: 136916.968+/-0.046 χ^2/NDF: 50237351074.3/23

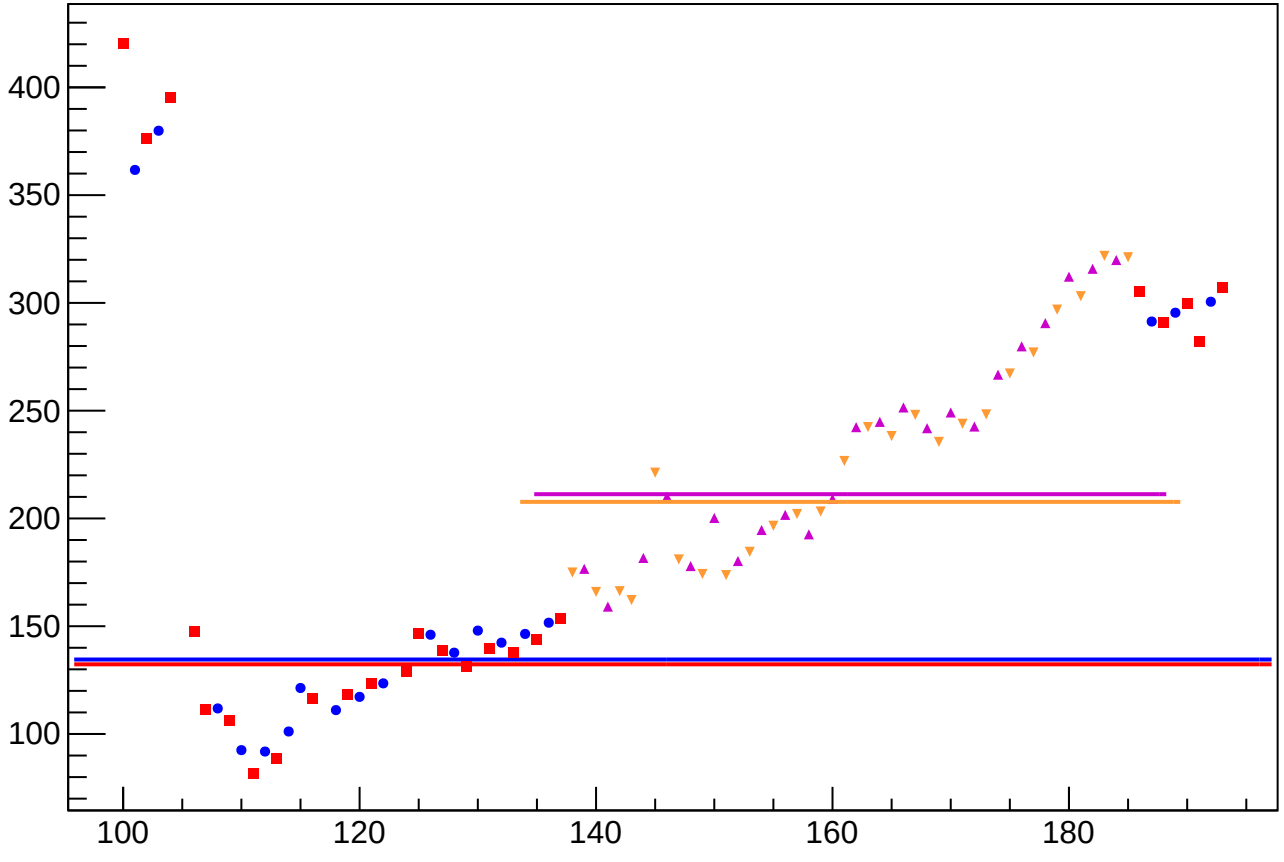
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 148825.903+/-0.035 χ^2/NDF: 257413320220

All: 148281.248+/-0.024 χ^2/NDF: 5178794995

- sign 147751.259+/-0.034 χ^2/NDF: 259978938566

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

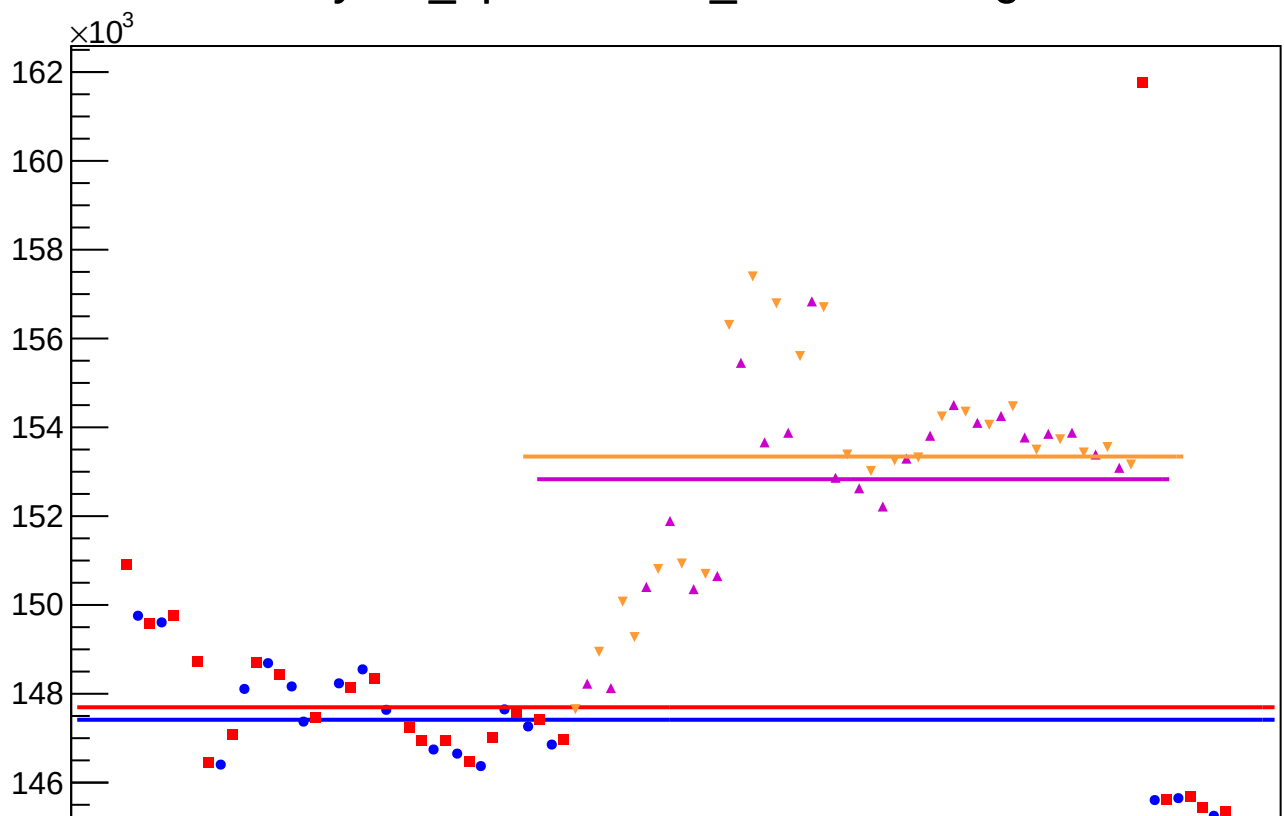
Right Out: 132.324+/-0.033 χ^2/NDF: 3418908.9/23

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 172.012+/-0.025 χ^2/NDF: 6264851.2/43

All: 170.156+/-0.017 χ^2/NDF: 13645396.3/90

- sign 168.350+/-0.024 χ^2/NDF: 7369230.2/46



Right In: 147415.073+/-0.060 χ^2/NDF: 308125565.1/18

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 147696.436+/-0.055 χ^2/NDF: 1262749703.6/23

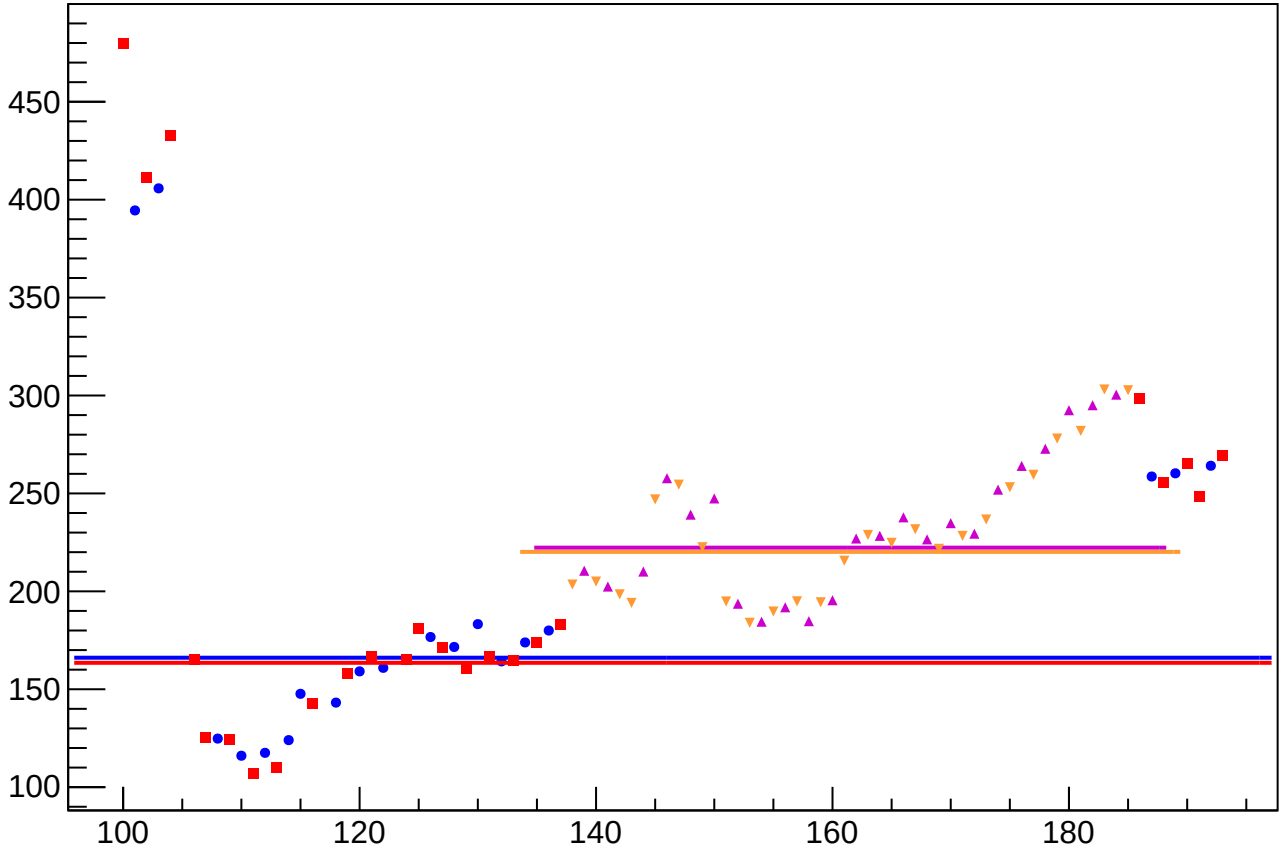
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 150852.592+/-0.039 χ^2/NDF: 9005703971.5

All: 150616.009+/-0.027 χ^2/NDF: 16762356

- sign 150385.248+/-0.038 χ^2/NDF: 7682775286.6/

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

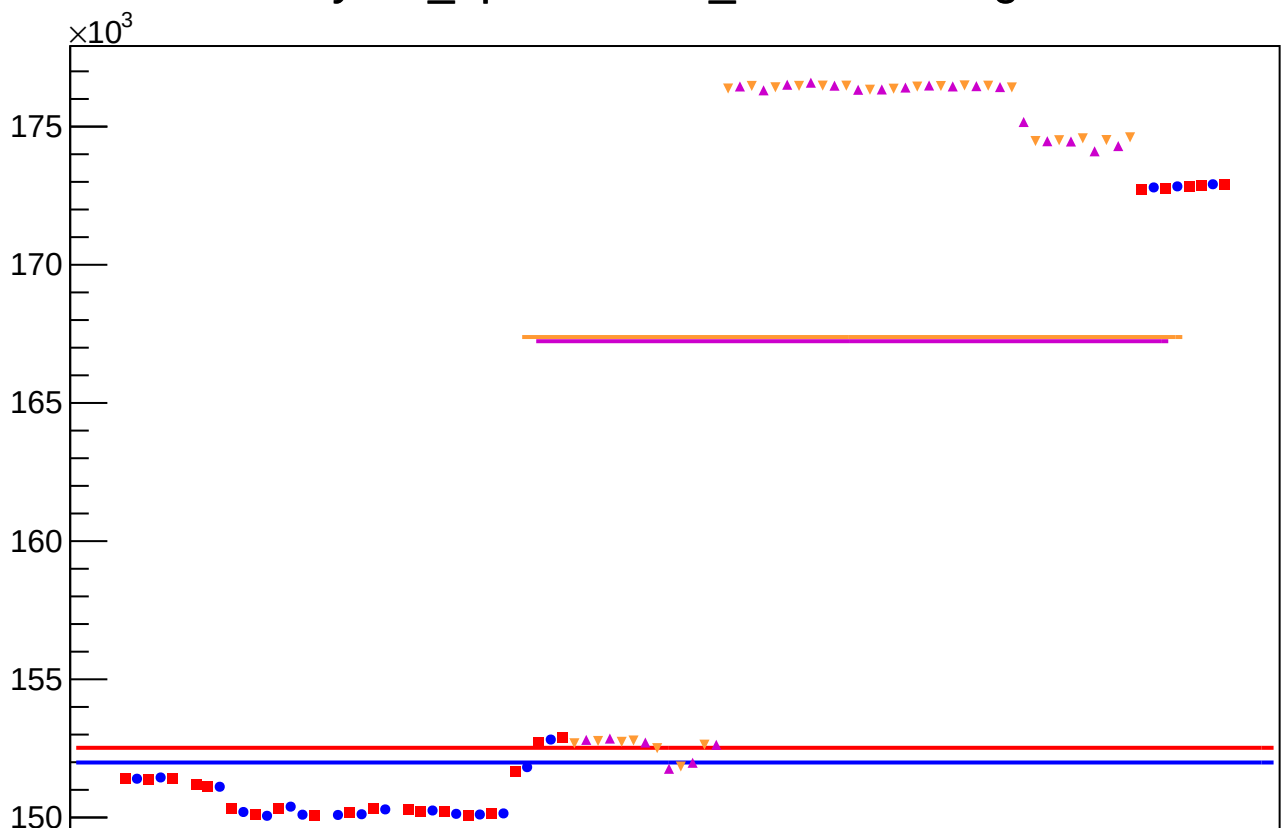
Right Out: 163.510+/-0.039 χ^2/NDF: 2363723.4/23

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 197.452+/-0.027 χ^2/NDF: 3398147.2/43

All: 195.855+/-0.019 χ^2/NDF: 7647553.4/90

- sign 194.297+/-0.027 χ^2/NDF: 4242668.7/46



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: 152521.401+/-0.049 χ^2/NDF: 16972775084.1/23

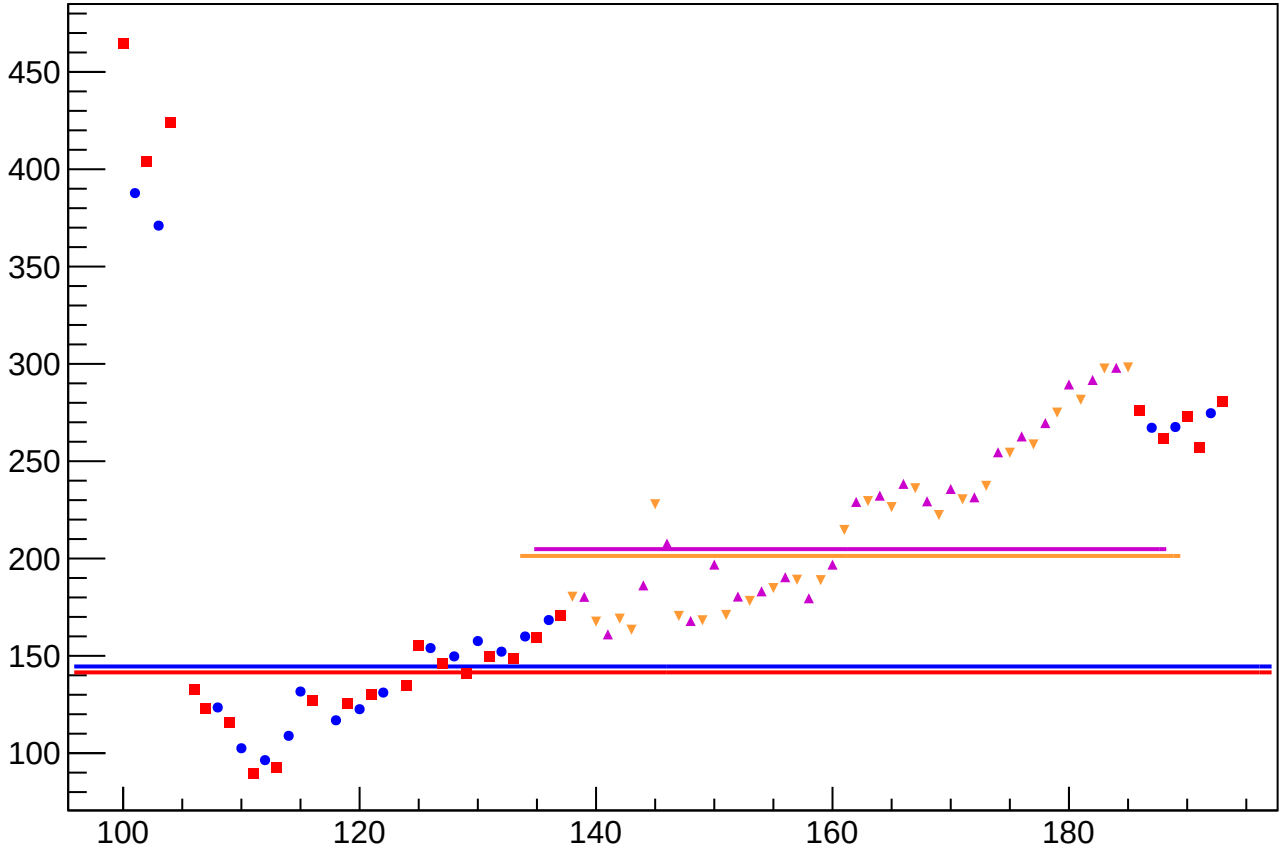
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160628.762+/-0.035 χ^2/NDF: 11810146421

All: 160233.510+/-0.025 χ^2/NDF: 2359152

- sign 159849.825+/-0.034 χ^2/NDF: 11756256924

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

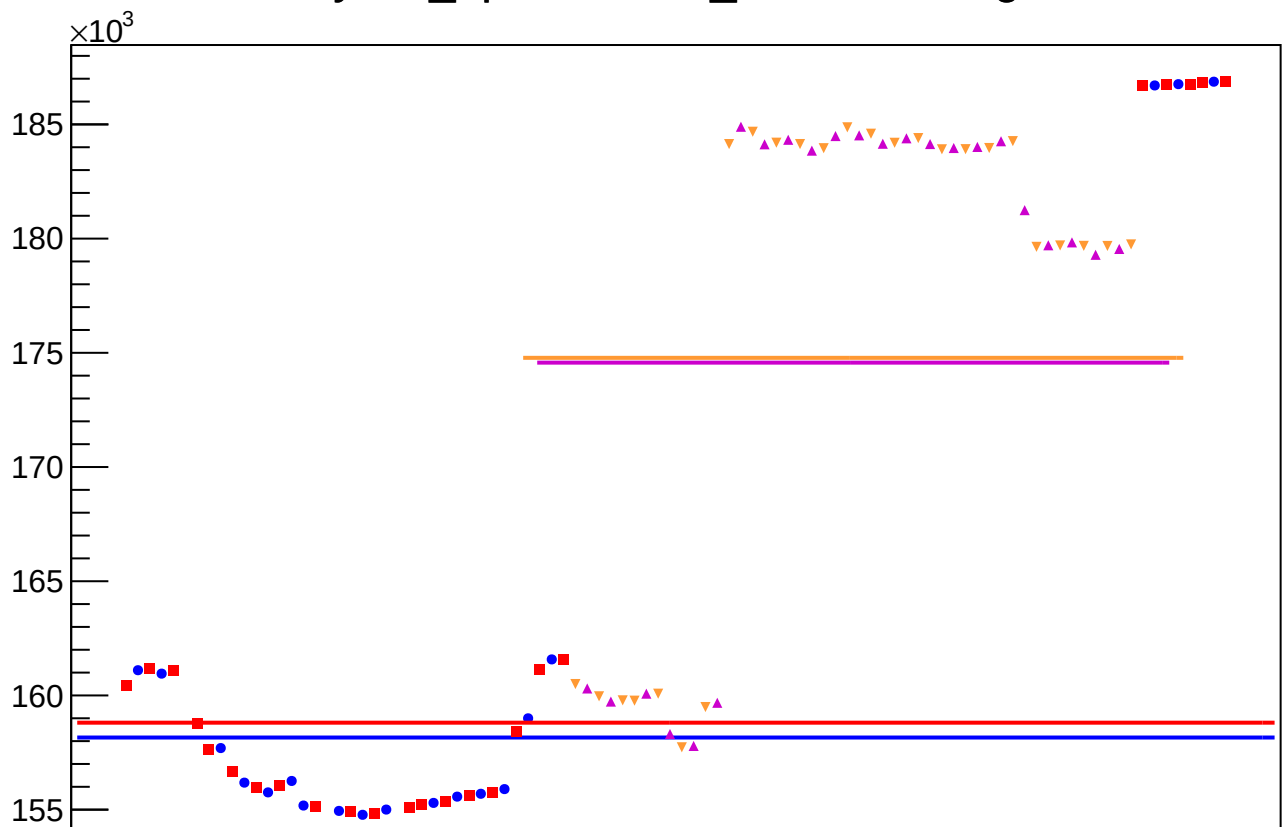
Right Out: 141.497+/-0.034 χ^2/NDF: 2956139.0/23

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 176.404+/-0.025 χ^2/NDF: 4729565.3/43

All: 174.697+/-0.017 χ^2/NDF: 10433809.9/90

- sign 173.041+/-0.024 χ^2/NDF: 5694881.6/46



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: 158807.528+/-0.051 χ^2/NDF: 26308948933.0/23

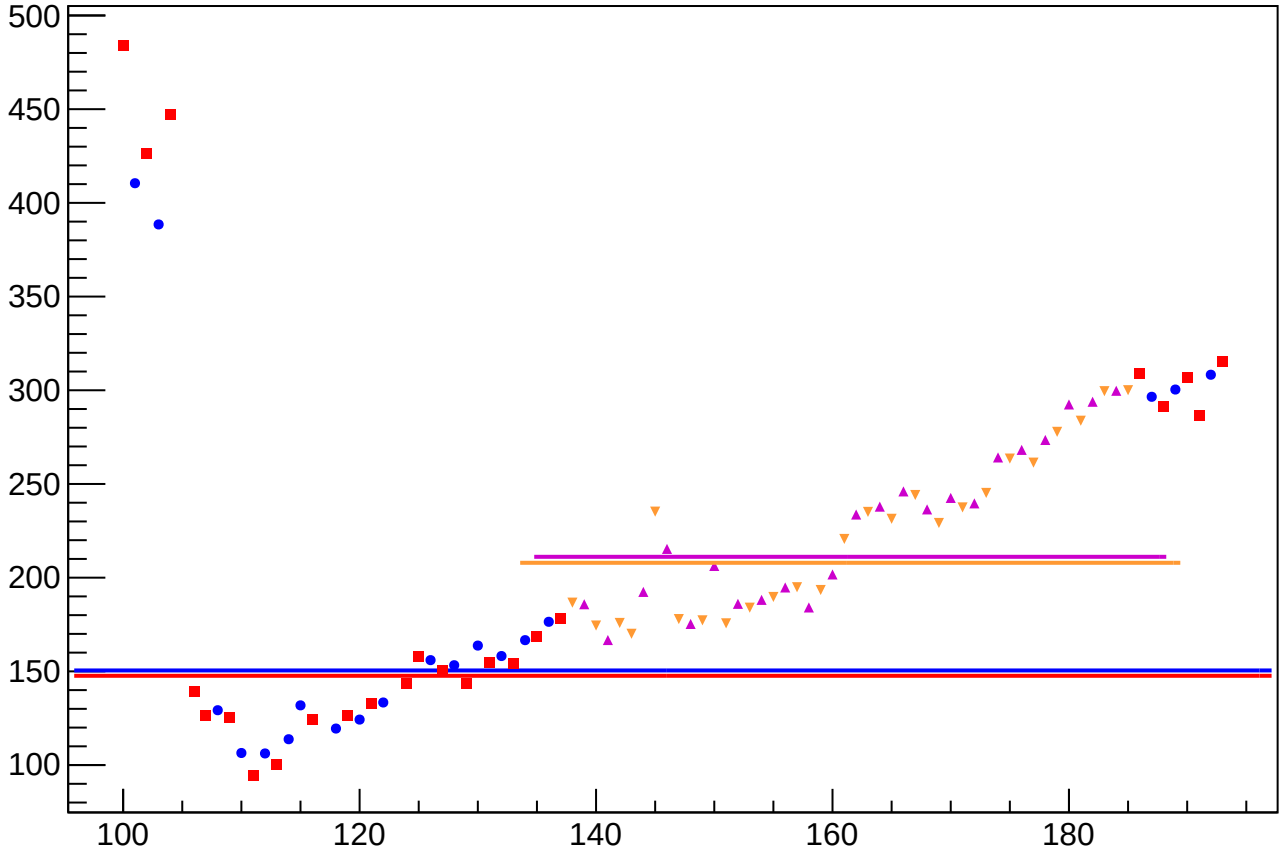
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 167591.248+/-0.036 χ^2/NDF: 12663509890

All: 167188.611+/-0.026 χ^2/NDF: 2563053

- sign 166796.544+/-0.036 χ^2/NDF: 129427640552

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: 147.644+/-0.036 χ^2/NDF: 3108970.2/23

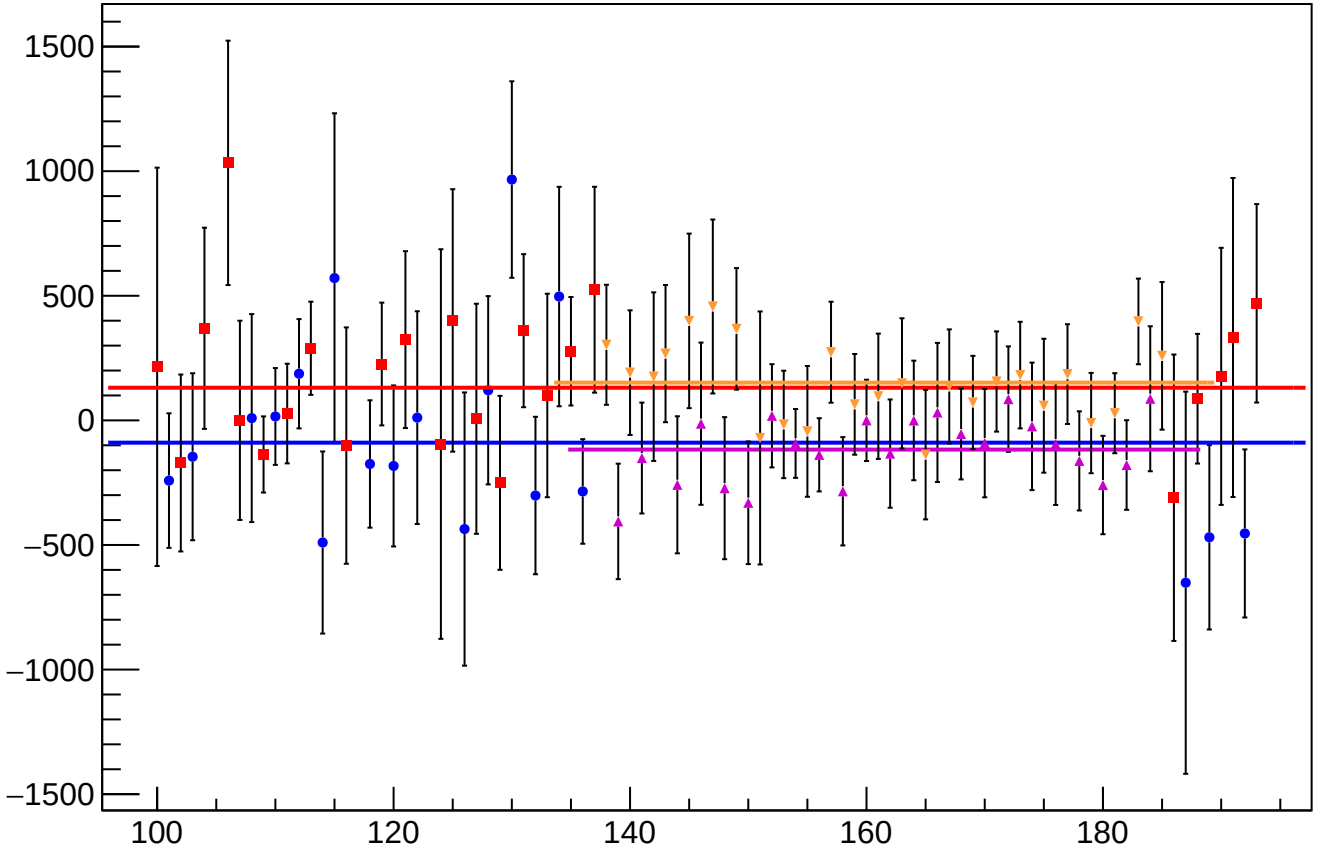
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 183.092+/-0.026 χ^2/NDF: 4663616.6/43

All: 181.435+/-0.018 χ^2/NDF: 10343707.0/90

- sign 179.823+/-0.025 χ^2/NDF: 5671880.4/46

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: 131.059+/-64.100 χ^2/NDF: 14.3/23

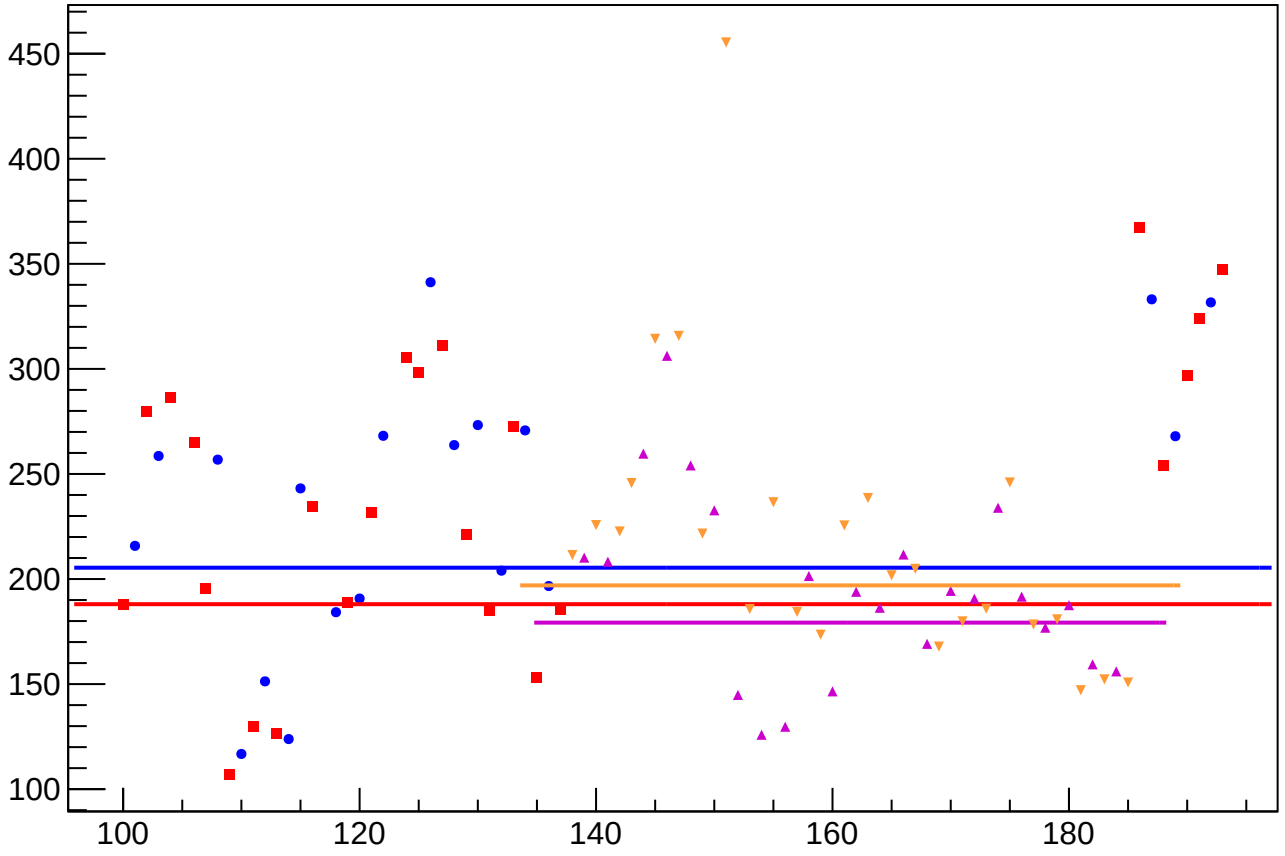
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 82.047+/-39.152 χ^2/NDF: 35.9/43

All: 17.134+/-26.560 χ^2/NDF: 72.9/90

- sign -38.208+/-36.151 χ^2/NDF: 32.0/46

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: 188.030+/-0.045 χ^2/NDF: 2554969.5/23

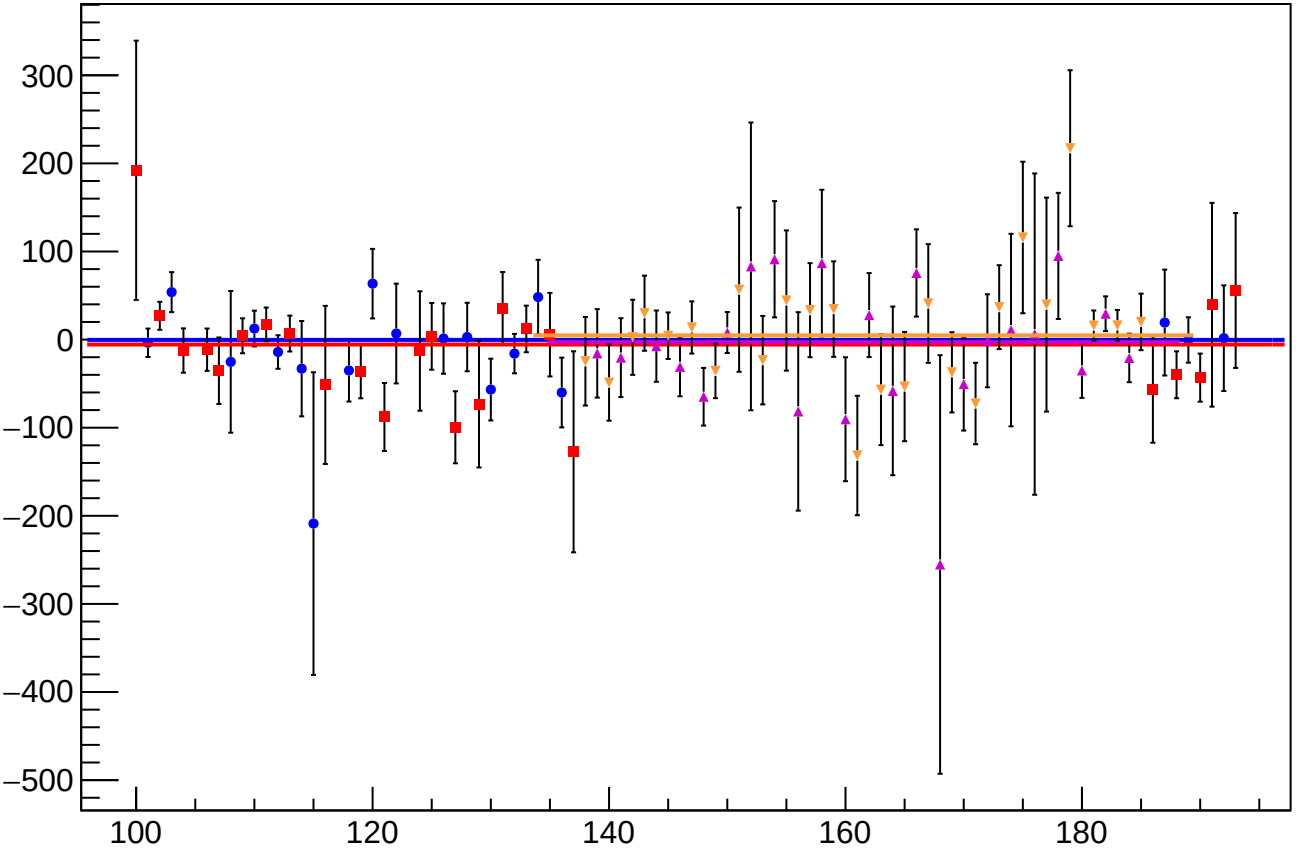
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 199.403+/-0.028 χ^2/NDF: 3287471.1/43

All: 190.034+/-0.019 χ^2/NDF: 7736178.1/90

- sign 182.047+/-0.026 χ^2/NDF: 4236548.1/46

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: -5.591+/-6.316 χ^2/NDF: 28.4/23

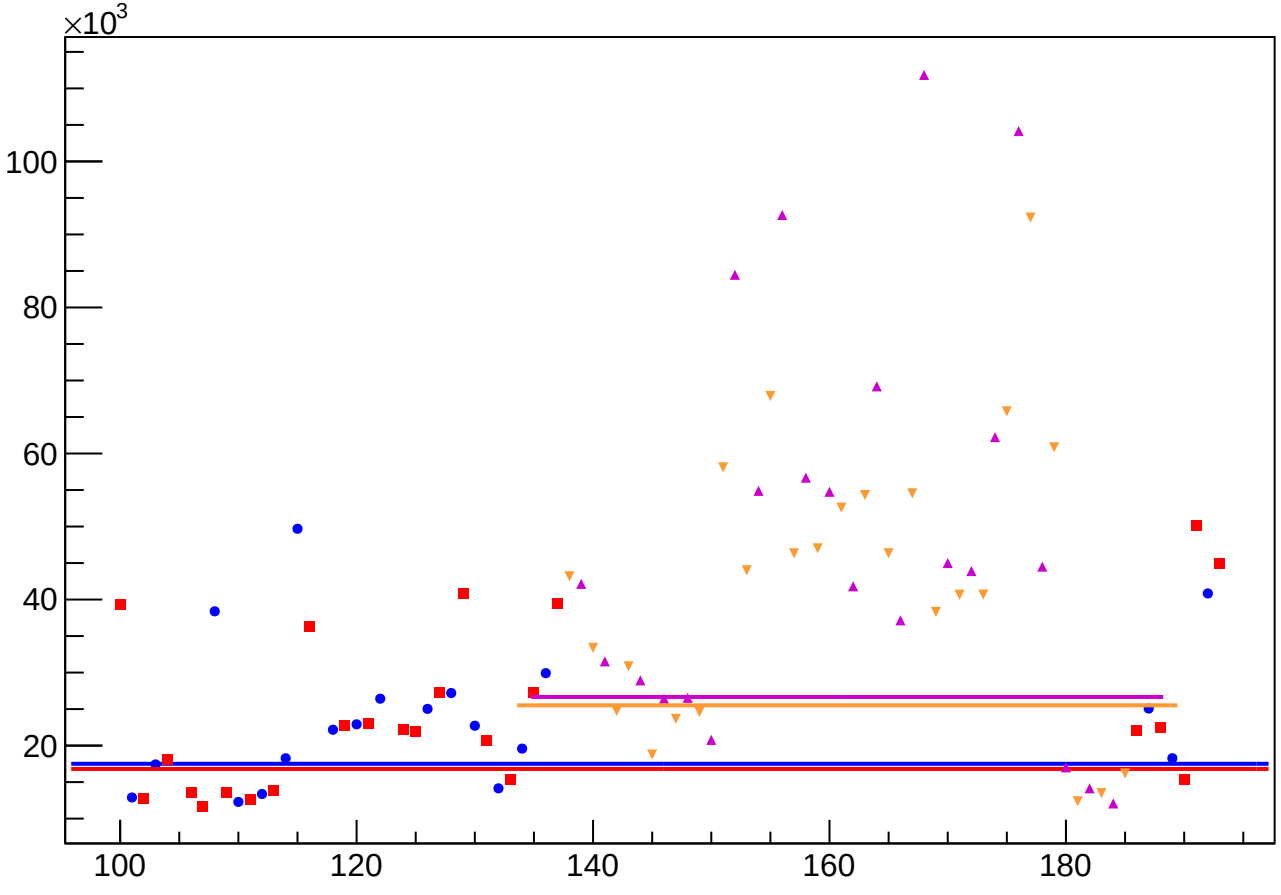
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 2.022+/-5.135 χ^2/NDF: 43.6/43

All: -1.330+/-3.632 χ^2/NDF: 94.4/90

- sign -4.688+/-5.139 χ^2/NDF: 50.0/46

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: 16803.027+/-4.466 χ^2/NDF: 1751475.0/23

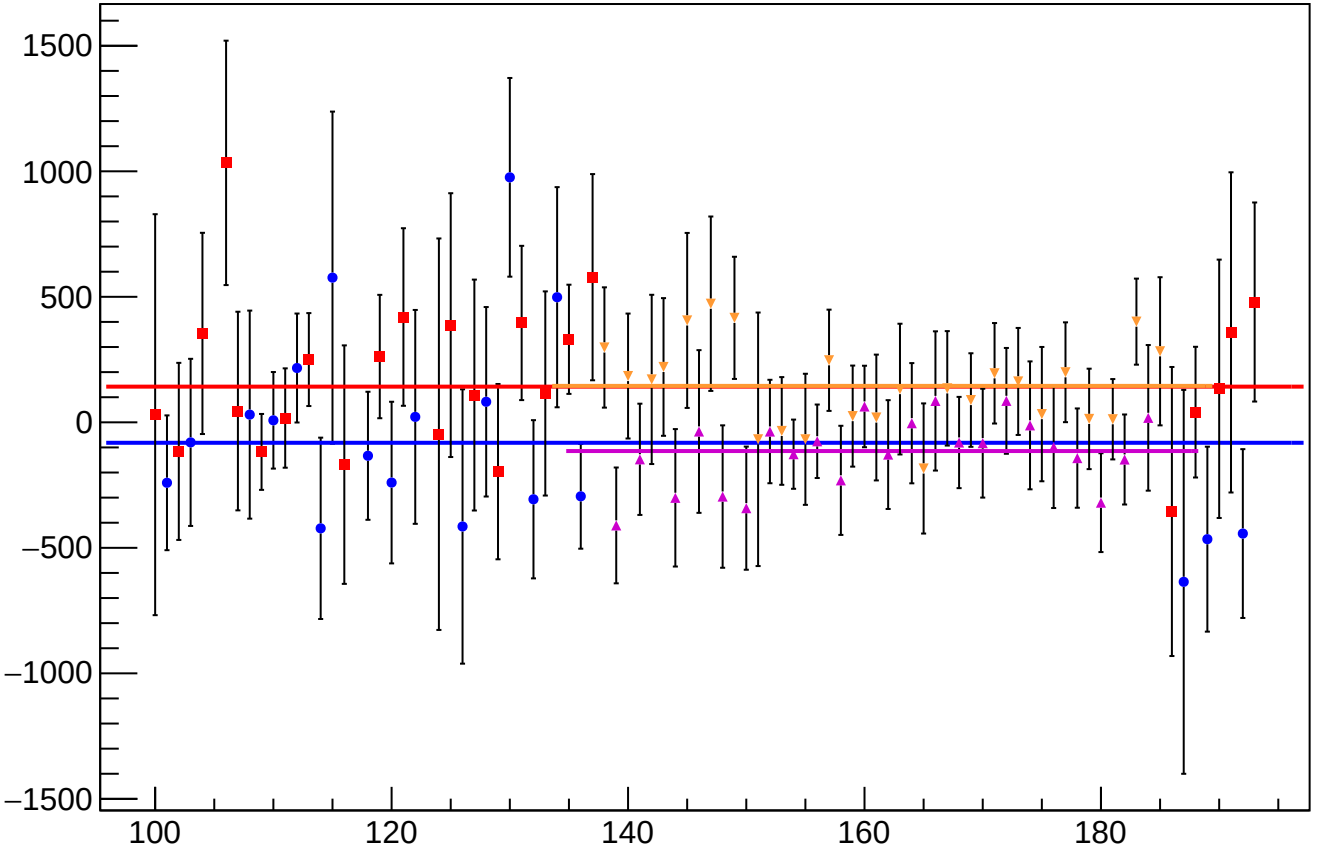
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21162.212+/-3.631 χ^2/NDF: 10488210.4/43

All: 20648.654+/-2.568 χ^2/NDF: 19809455.1

- sign 20134.256+/-3.634 χ^2/NDF: 9281199.4/46

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: 142.167+/-63.742 χ^2/NDF: 14.7/23

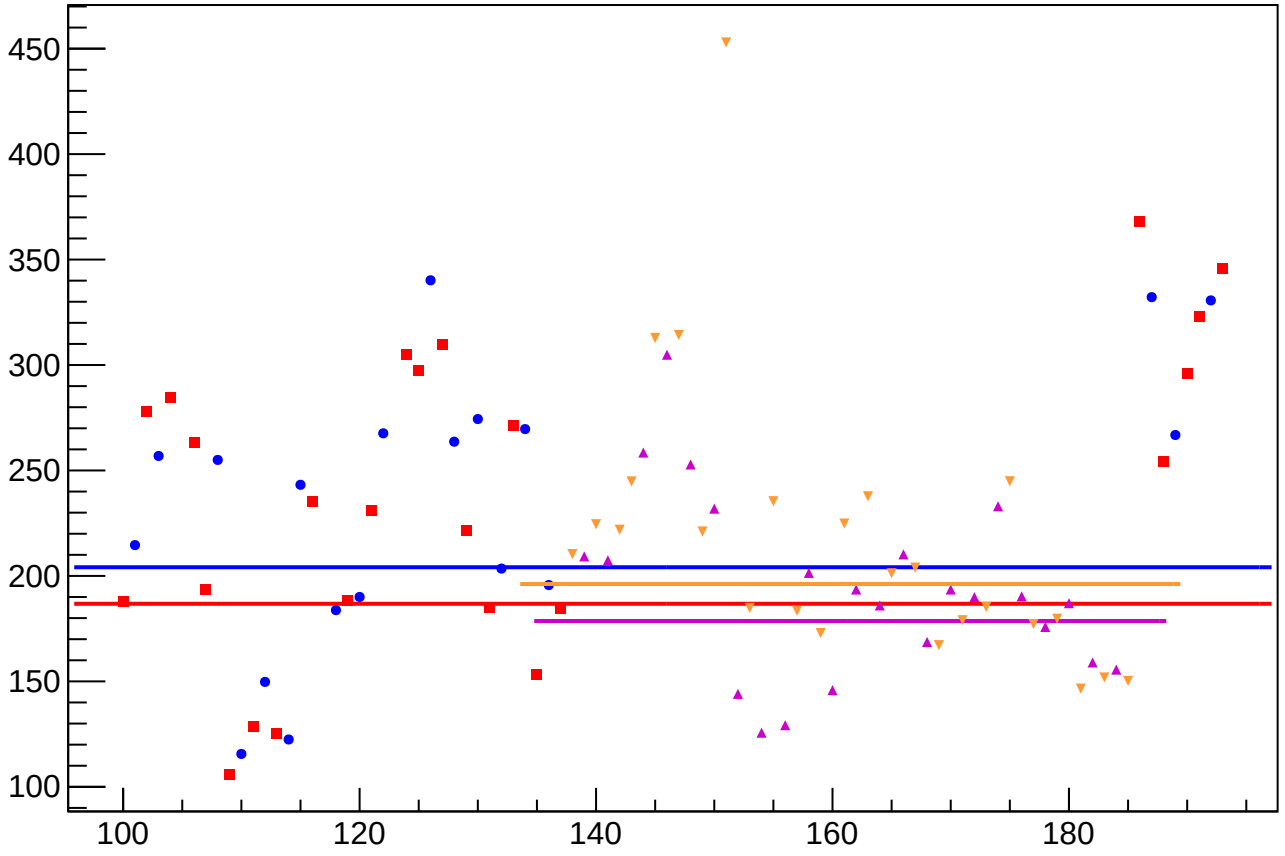
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 79.636+/-38.974 χ^2/NDF: 36.7/43

All: 19.084+/-26.444 χ^2/NDF: 75.3/90

- sign -32.573+/-35.998 χ^2/NDF: 34.2/46

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: 186.795+/-0.045 χ^2/NDF: 2590496.7/23

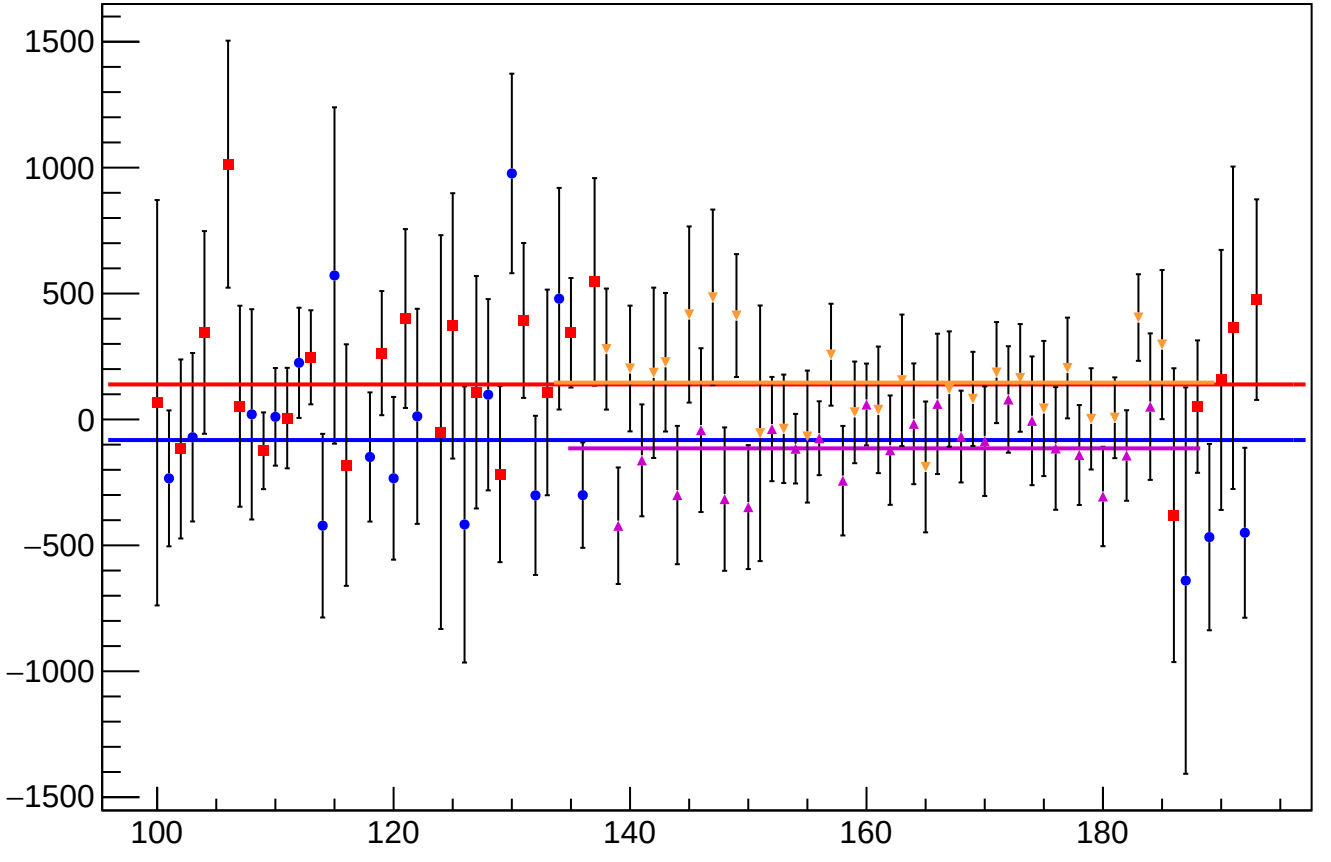
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 198.462+/-0.028 χ^2/NDF: 3308513.8/43

All: 189.162+/-0.019 χ^2/NDF: 7784335.3/90

- sign 181.228+/-0.025 χ^2/NDF: 4264770.4/46

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: 139.021+/-64.114 χ^2/NDF: 14.6/23

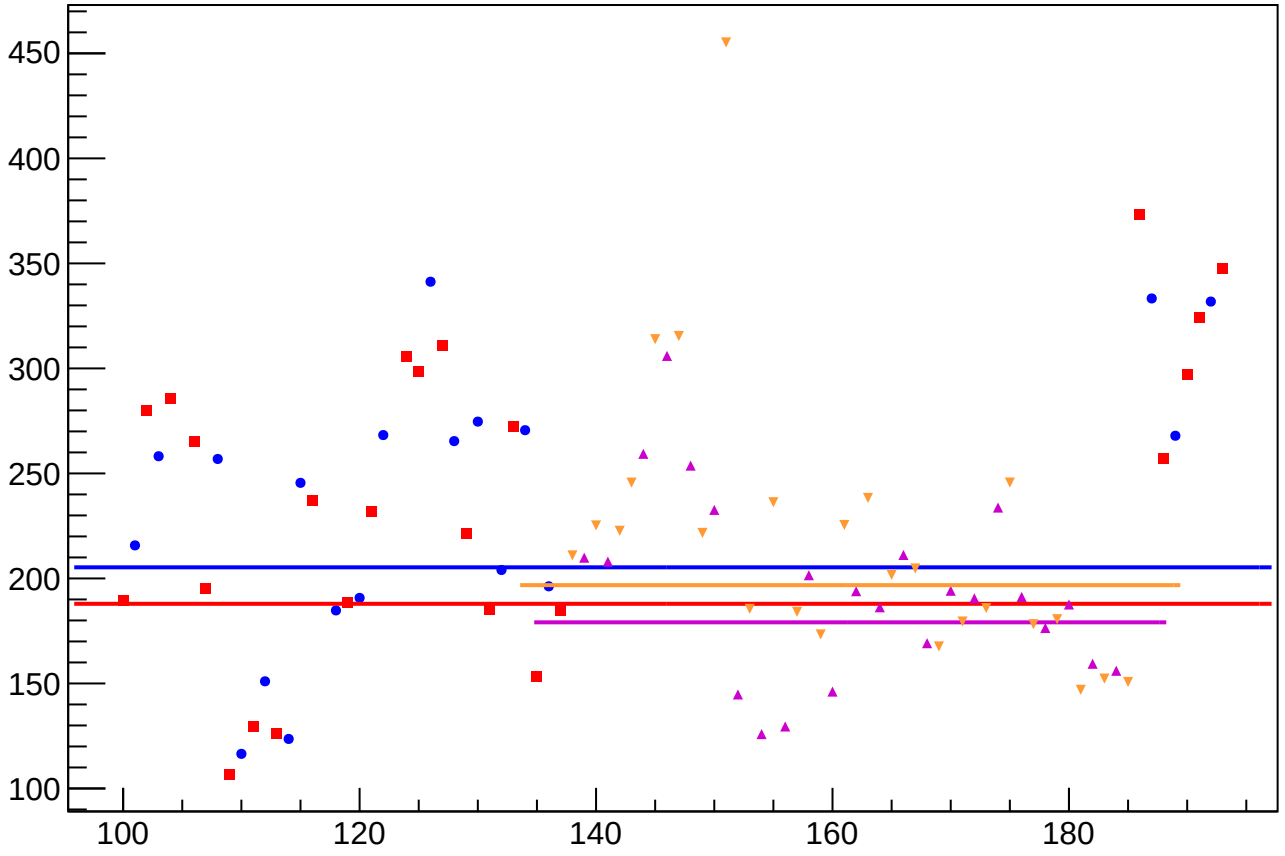
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 80.622+/-39.127 χ^2/NDF: 36.9/43

All: 18.656+/-26.545 χ^2/NDF: 75.3/90

- sign -34.189+/-36.133 χ^2/NDF: 33.7/46

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: 187.926+/-0.045 χ^2/NDF: 2583258.8/23

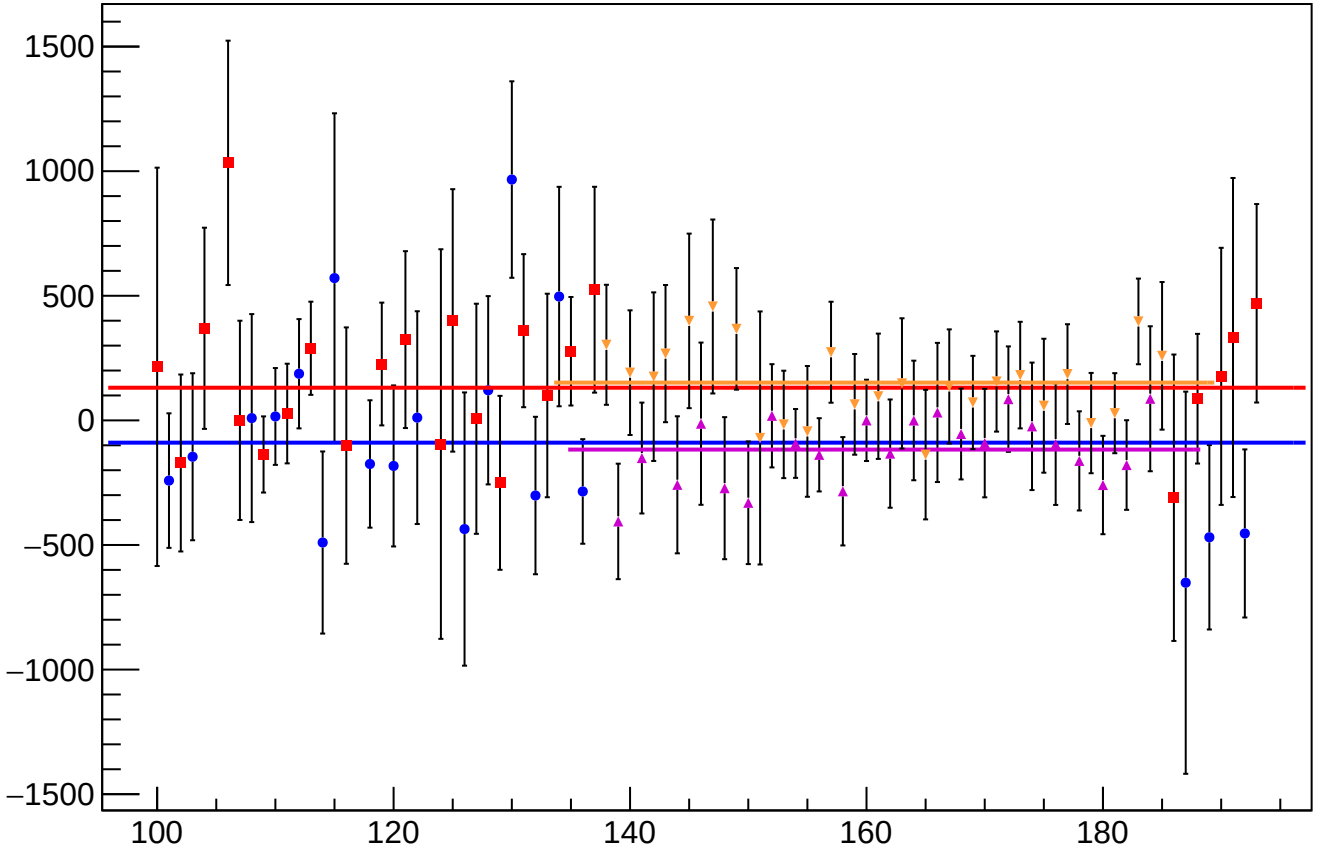
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 199.252+/-0.028 χ^2/NDF: 3298618.3/43

All: 189.889+/-0.019 χ^2/NDF: 7775820.1/90

- sign 181.904+/-0.026 χ^2/NDF: 4264984.2/46

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: 131.059+/-64.100 χ^2/NDF: 14.3/23

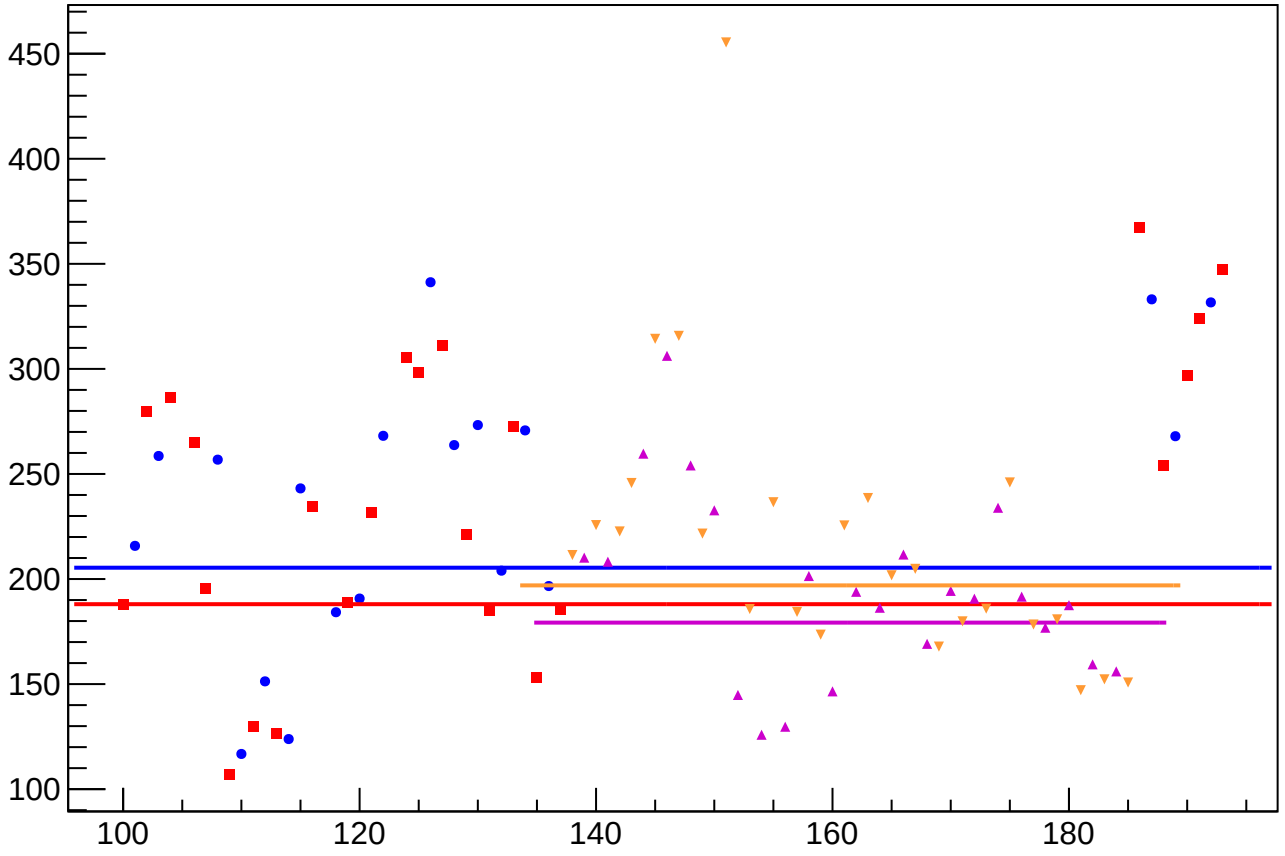
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 82.047+/-39.152 χ^2/NDF: 35.9/43

All: 17.134+/-26.560 χ^2/NDF: 72.9/90

- sign -38.208+/-36.151 χ^2/NDF: 32.0/46

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: 188.030+/-0.045 χ^2/NDF: 2554969.5/23

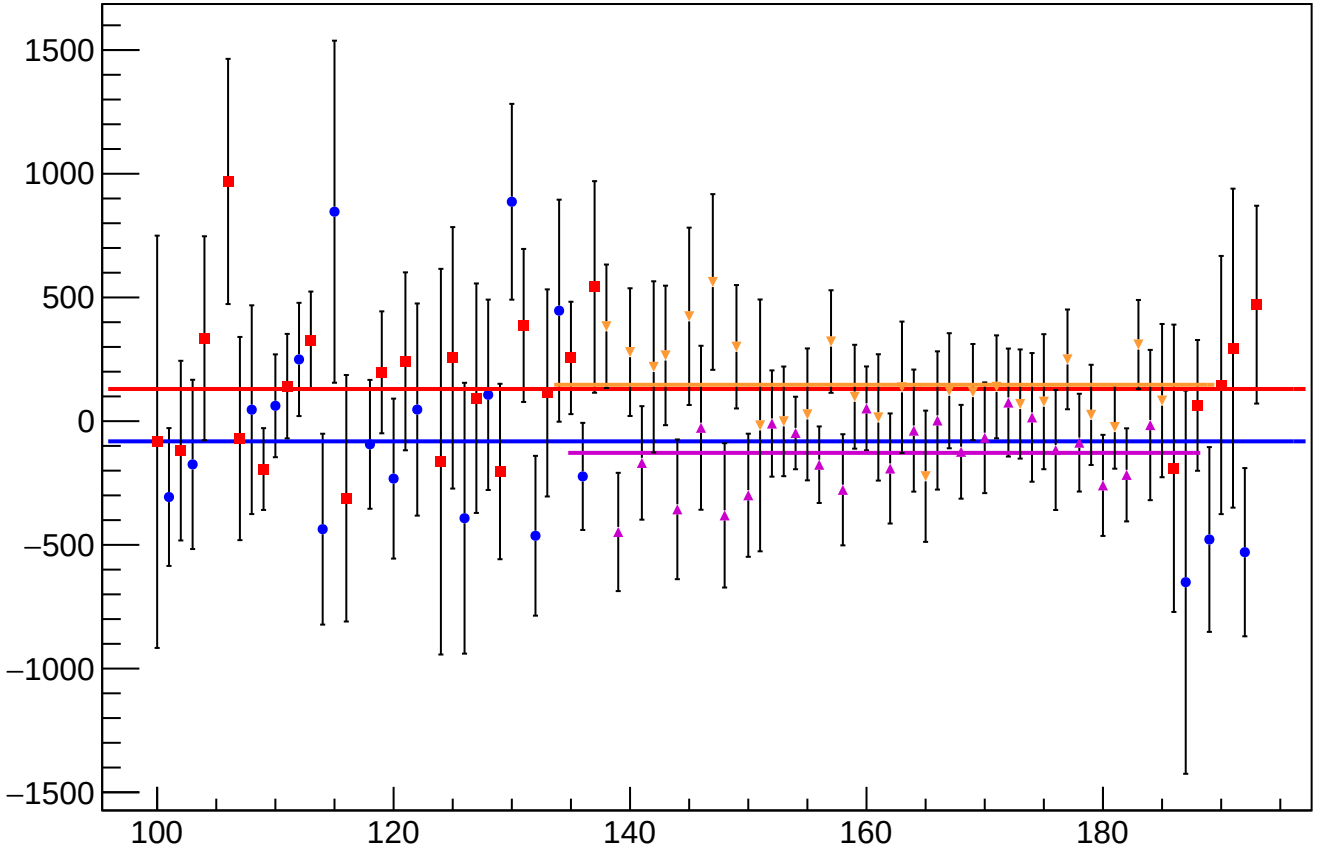
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 199.403+/-0.028 χ^2/NDF: 3287471.1/43

All: 190.034+/-0.019 χ^2/NDF: 7736178.1/90

- sign 182.047+/-0.026 χ^2/NDF: 4236548.1/46

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: 130.068+/-66.479 χ^2/NDF: 13.8/23

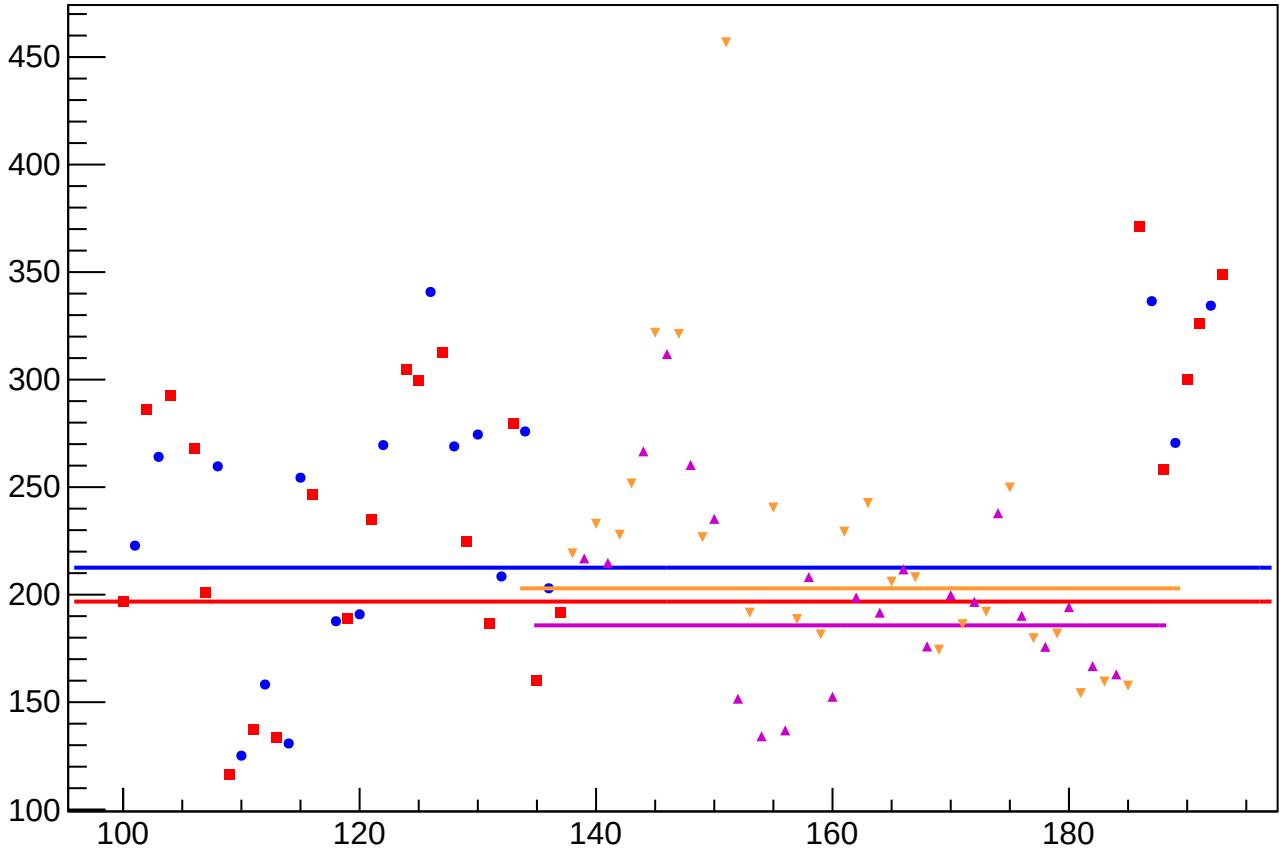
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 81.144+/-40.256 χ^2/NDF: 36.3/43

All: 12.585+/-27.391 χ^2/NDF: 74.4/90

- sign -46.524+/-37.379 χ^2/NDF: 32.7/46

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: 196.776+/-0.047 χ^2/NDF: 2272691.6/23

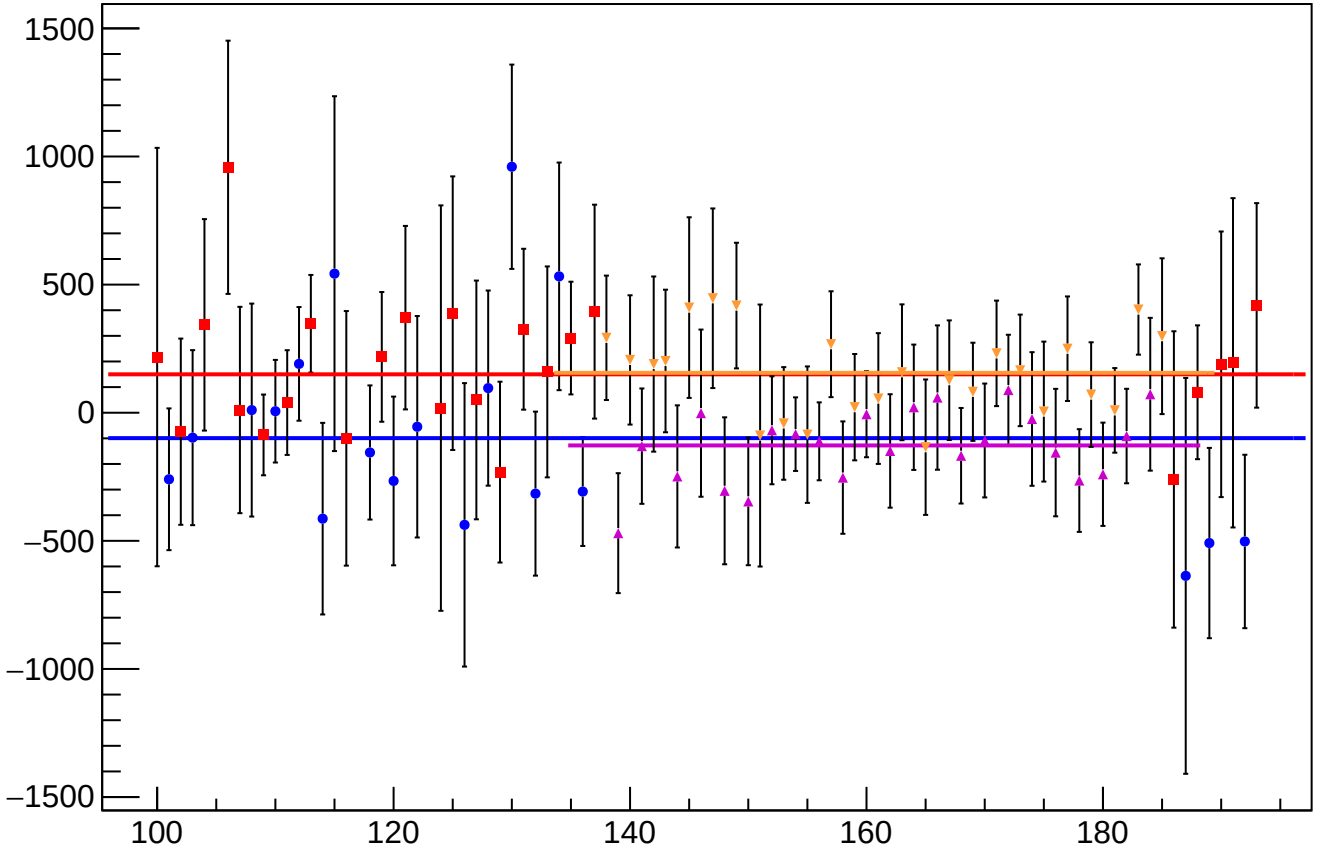
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 205.694+/-0.028 χ^2/NDF: 3025136.8/43

All: 196.843+/-0.019 χ^2/NDF: 7005205.1/90

- sign 189.213+/-0.026 χ^2/NDF: 3800038.3/46

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: 149.848+/-65.271 χ^2/NDF: 11.3/23

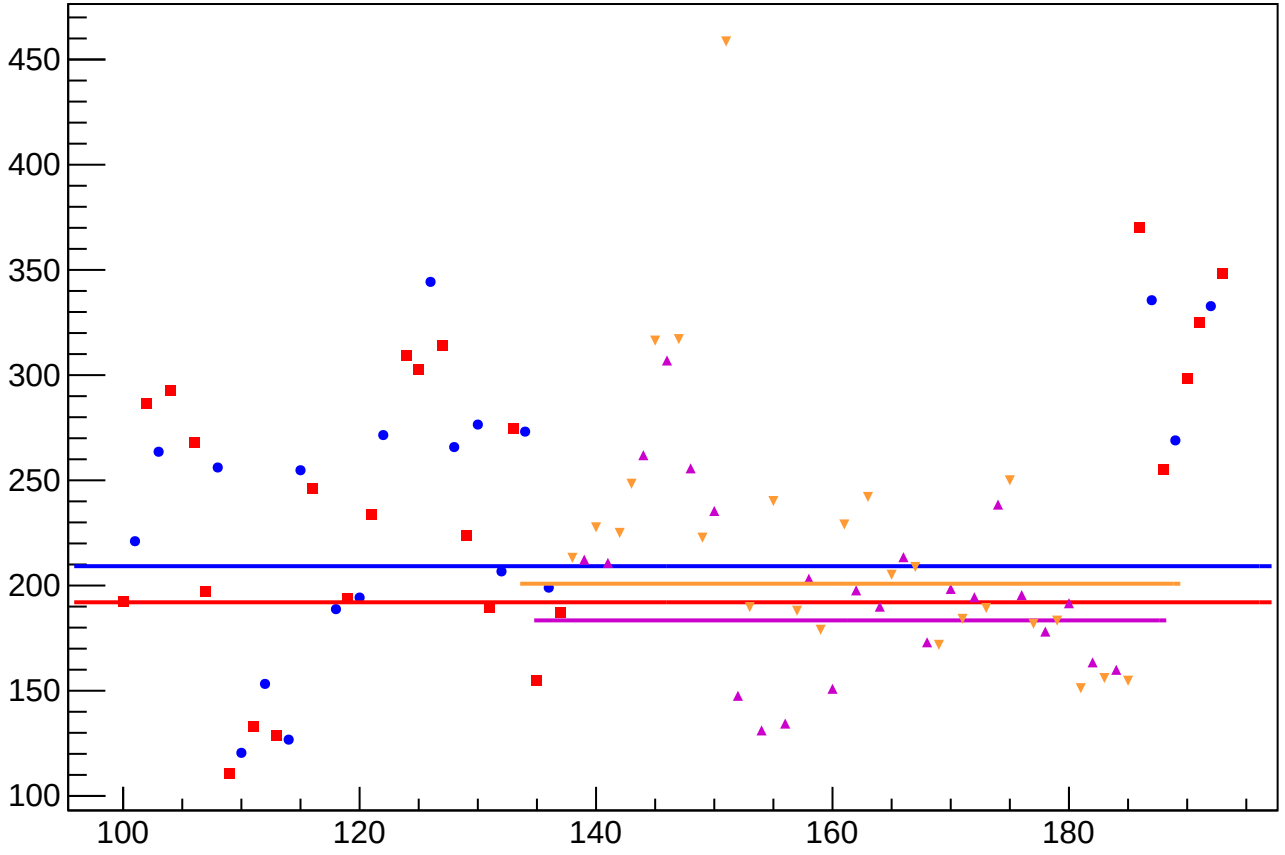
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 81.925+/-39.844 χ^2/NDF: 37.6/43

All: 16.762+/-27.065 χ^2/NDF: 74.1/90

- sign -39.066+/-36.879 χ^2/NDF: 31.6/46

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

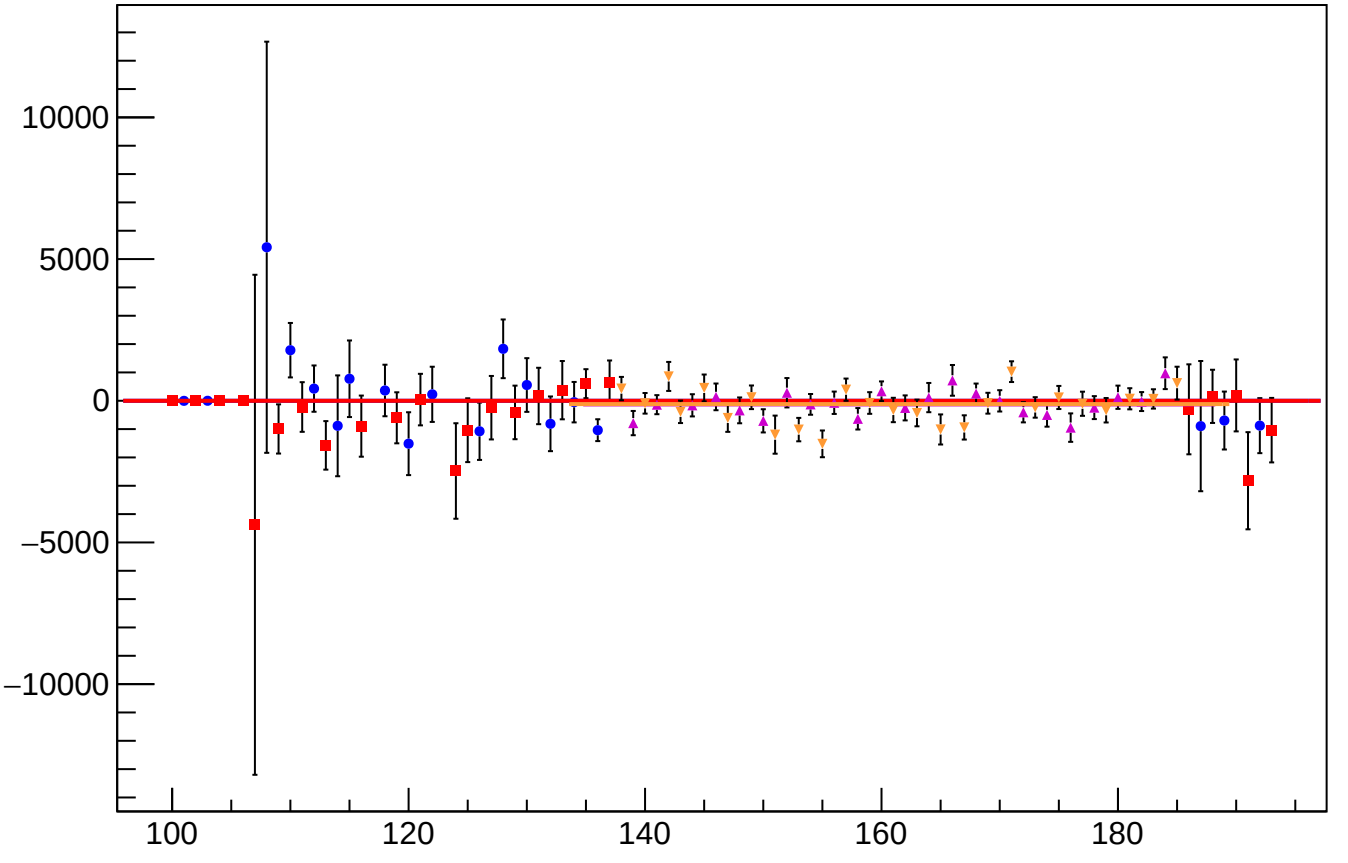
Right Out: 192.038+/-0.046 χ^2/NDF: 2475068.3/23

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 203.275+/-0.028 χ^2/NDF: 3147664.4/43

All: 194.068+/-0.019 χ^2/NDF: 7375350.0/90

- sign 186.180+/-0.026 χ^2/NDF: 4029407.9/46



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: -1.384+/-2.022 χ^2/NDF: 20.5/23

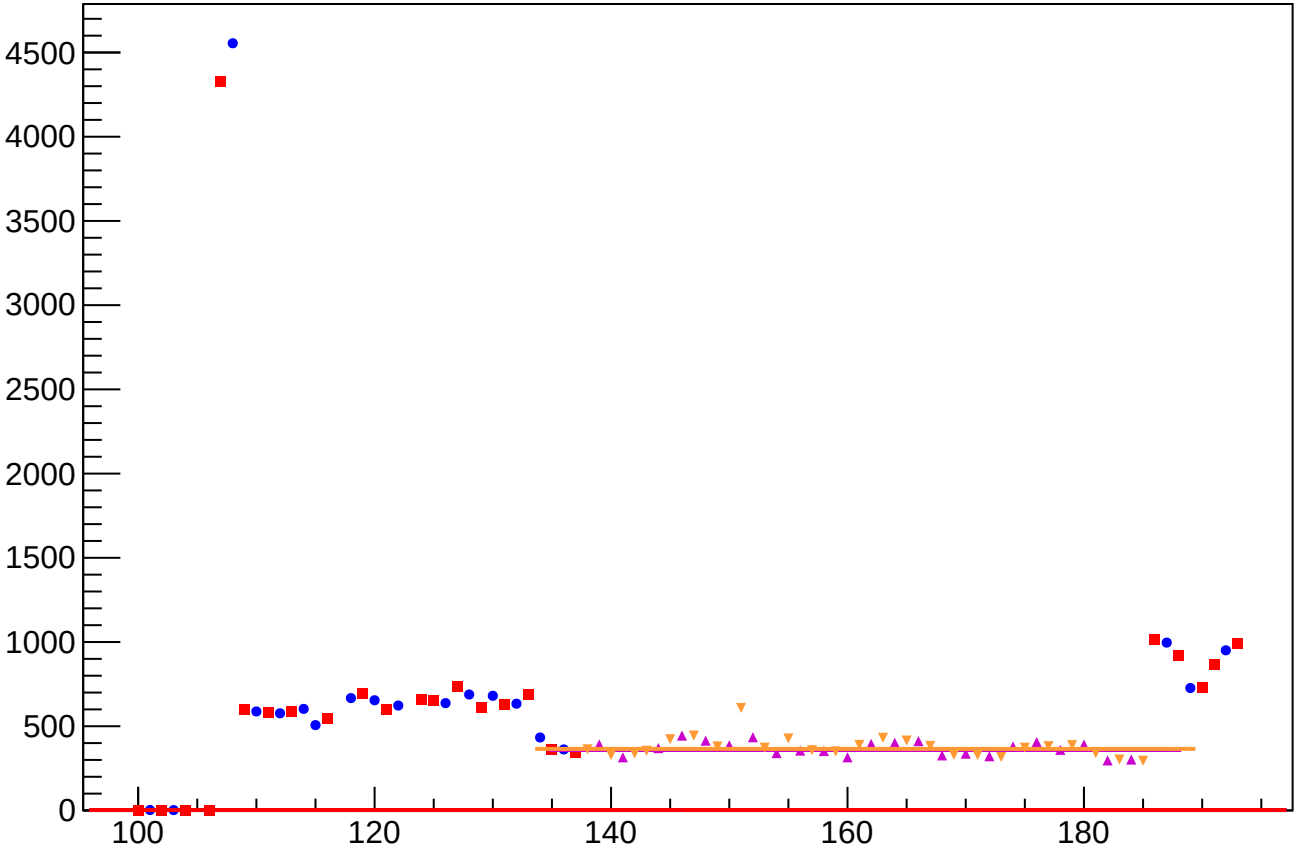
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.325+/-2.170 χ^2/NDF: 69.6/43

All: -1.395+/-1.479 χ^2/NDF: 114.0/90

- sign -1.456+/-2.022 χ^2/NDF: 44.4/46

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: 2.474+/-0.001 χ^2/NDF: 16929043.5/23

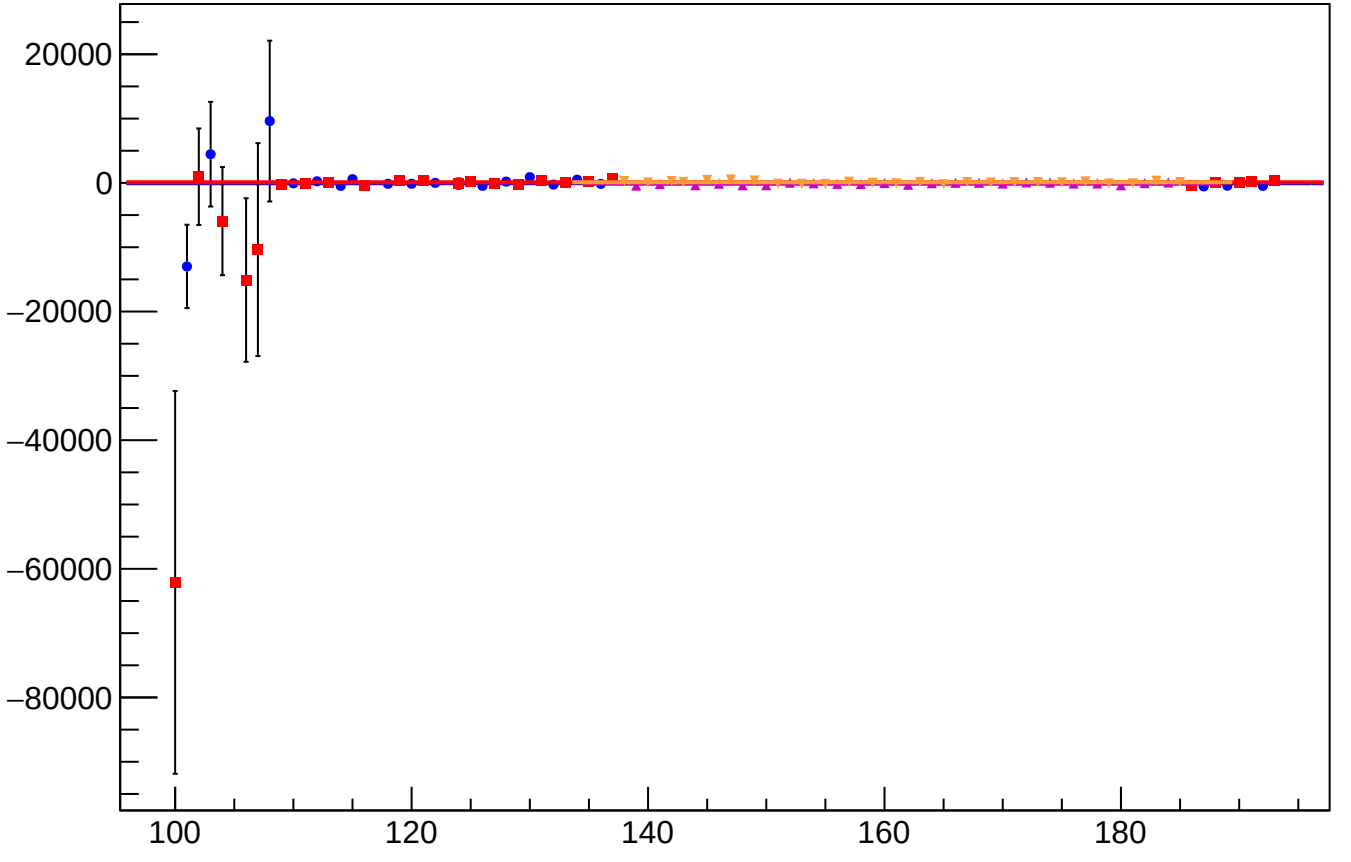
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.727+/-0.002 χ^2/NDF: 52746118.8/43

All: 2.699+/-0.001 χ^2/NDF: 105231493.0/90

- sign 2.676+/-0.001 χ^2/NDF: 52484779.1/46

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: 98.071+/-74.743 χ^2/NDF: 16.1/23

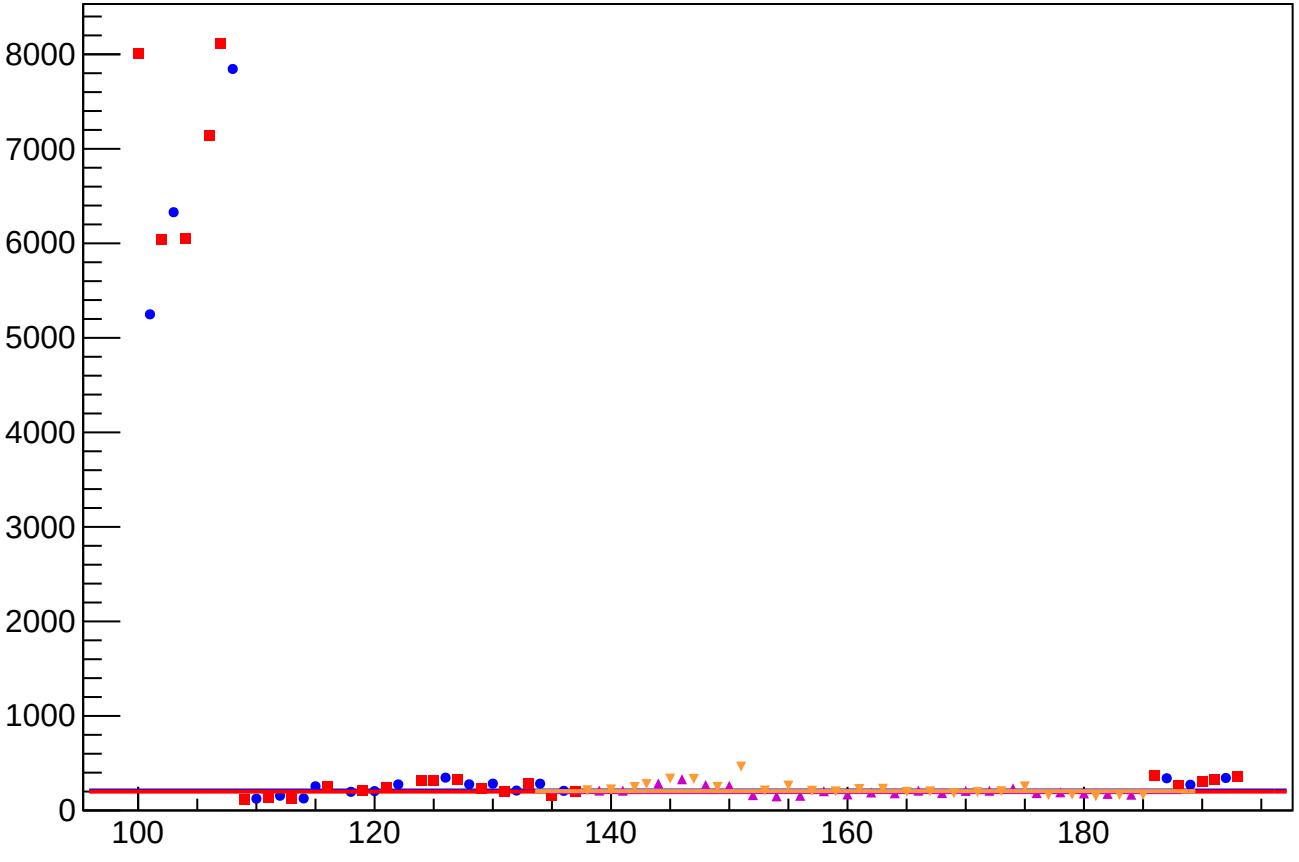
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

\+ sign 61.017+/-41.663 χ^2/NDF: 35.2/43

All: -1.175+/-28.764 χ^2/NDF: 71.0/90

\- sign -57.818+/-39.761 χ^2/NDF: 31.5/46

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: 199.217+/-0.053 χ^2/NDF: 5283401.9/23

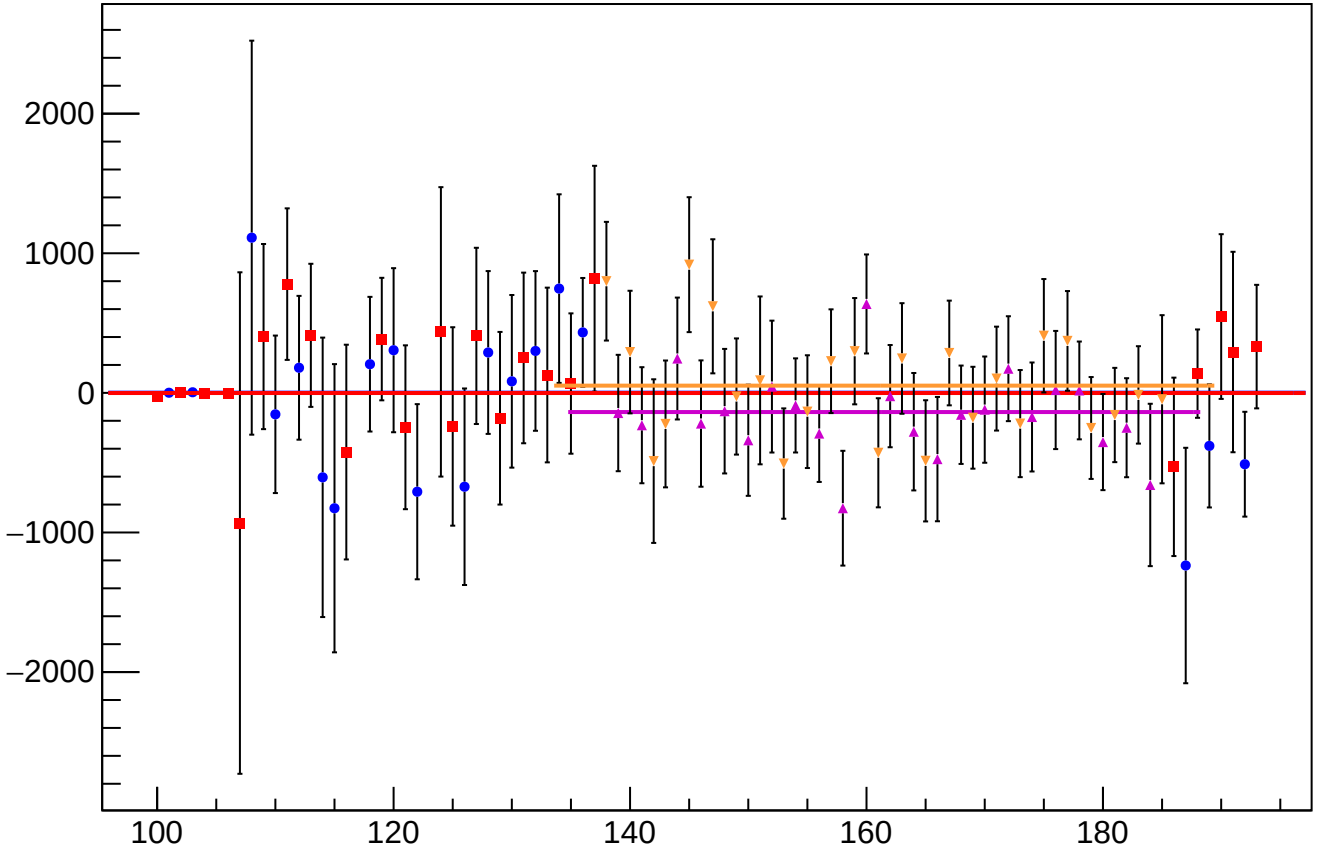
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 206.208+/-0.029 χ^2/NDF: 6383896.0/43

All: 200.552+/-0.020 χ^2/NDF: 12936572.4/90

- sign 195.401+/-0.028 χ^2/NDF: 6482261.8/46

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: -1.084+/-1.528 χ^2/NDF: 11.6/23

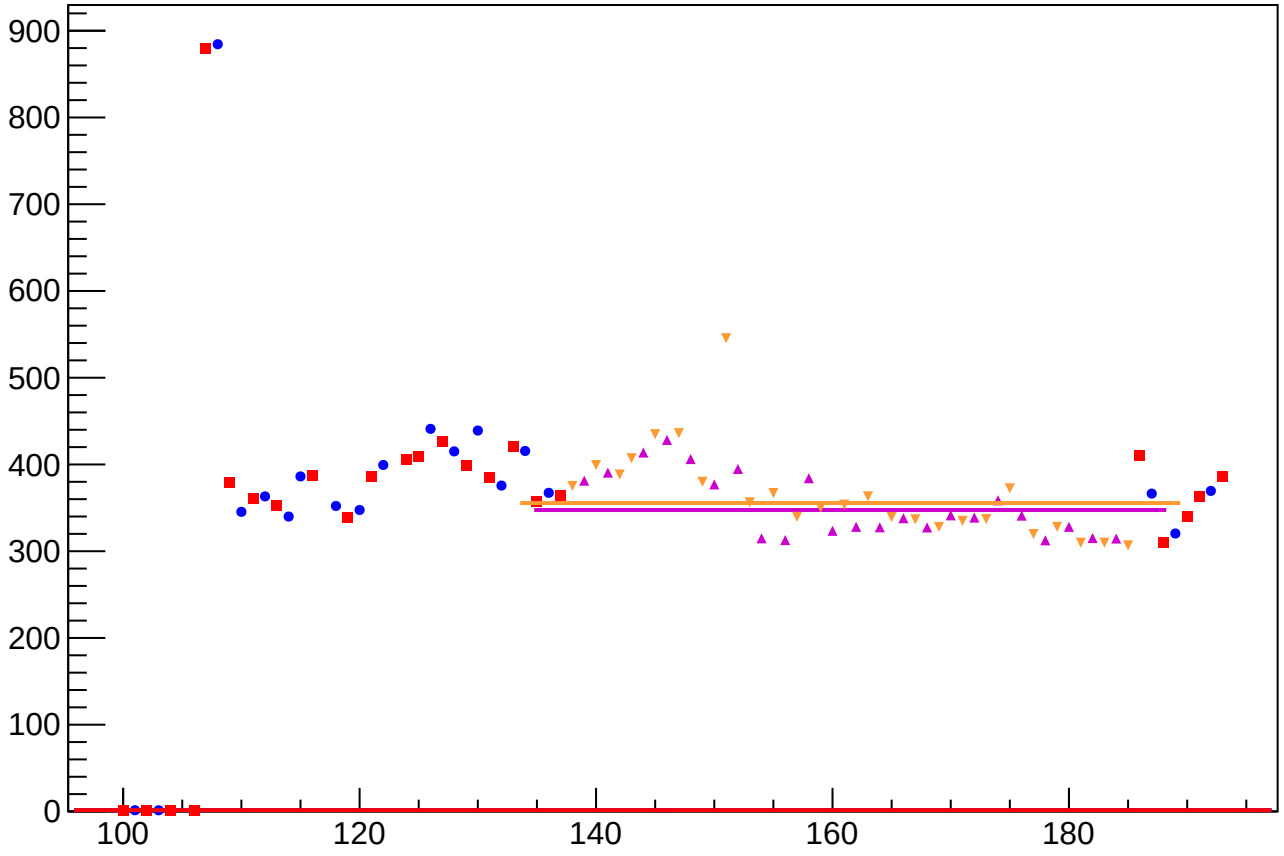
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.456+/-1.660 χ^2/NDF: 32.5/43

All: 0.055+/-1.124 χ^2/NDF: 60.3/90

- sign -1.132+/-1.528 χ^2/NDF: 26.5/46

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: 1.485+/-0.001 χ^2/NDF: 16668815.7/23

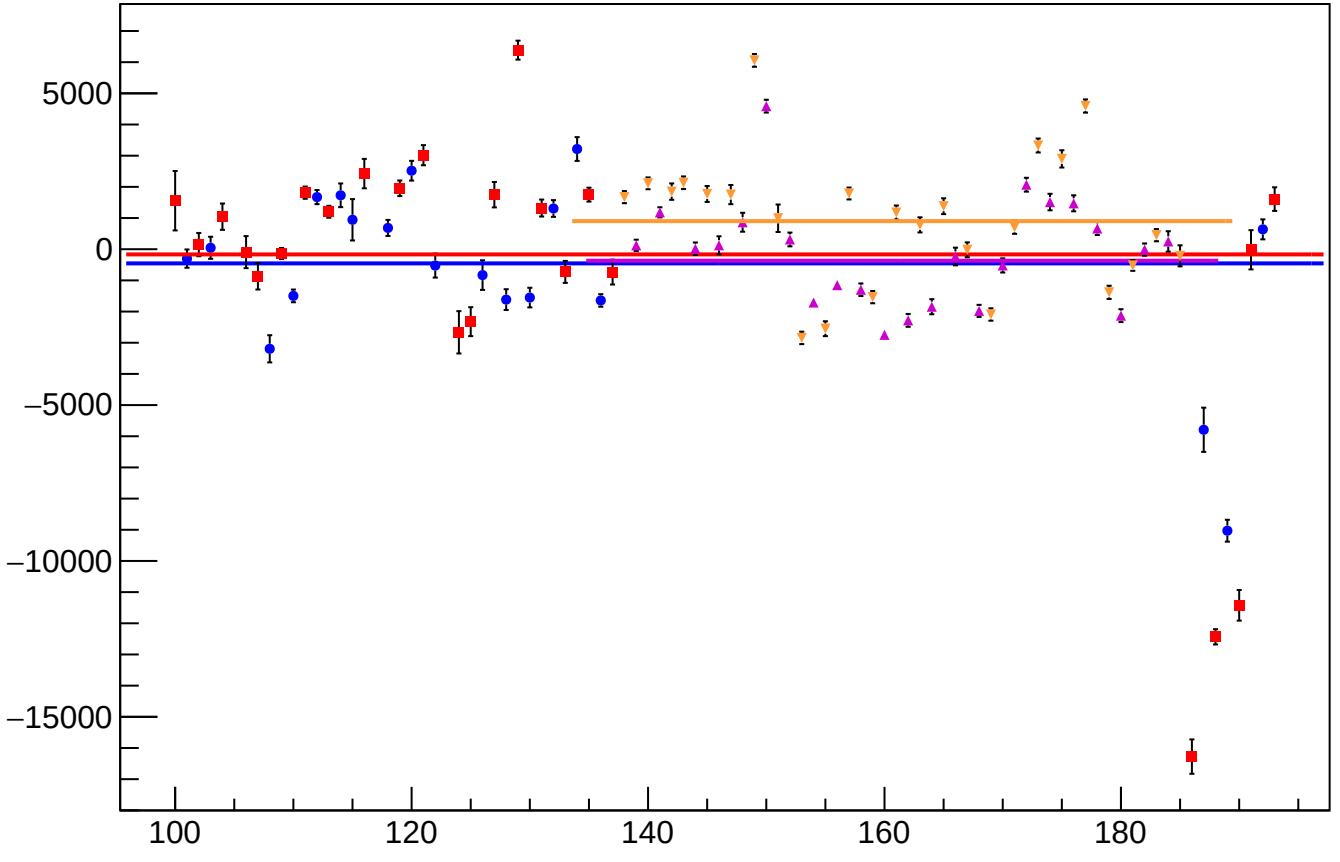
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

\+ sign 1.630+/-0.001 χ^2/NDF: 53284959.3/43

All: 1.616+/-0.001 χ^2/NDF: 105798441.7/90

\- sign 1.605+/-0.001 χ^2/NDF: 52513235.5/46

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: -166.783+/-64.089 χ^2/NDF: 4897.5/23

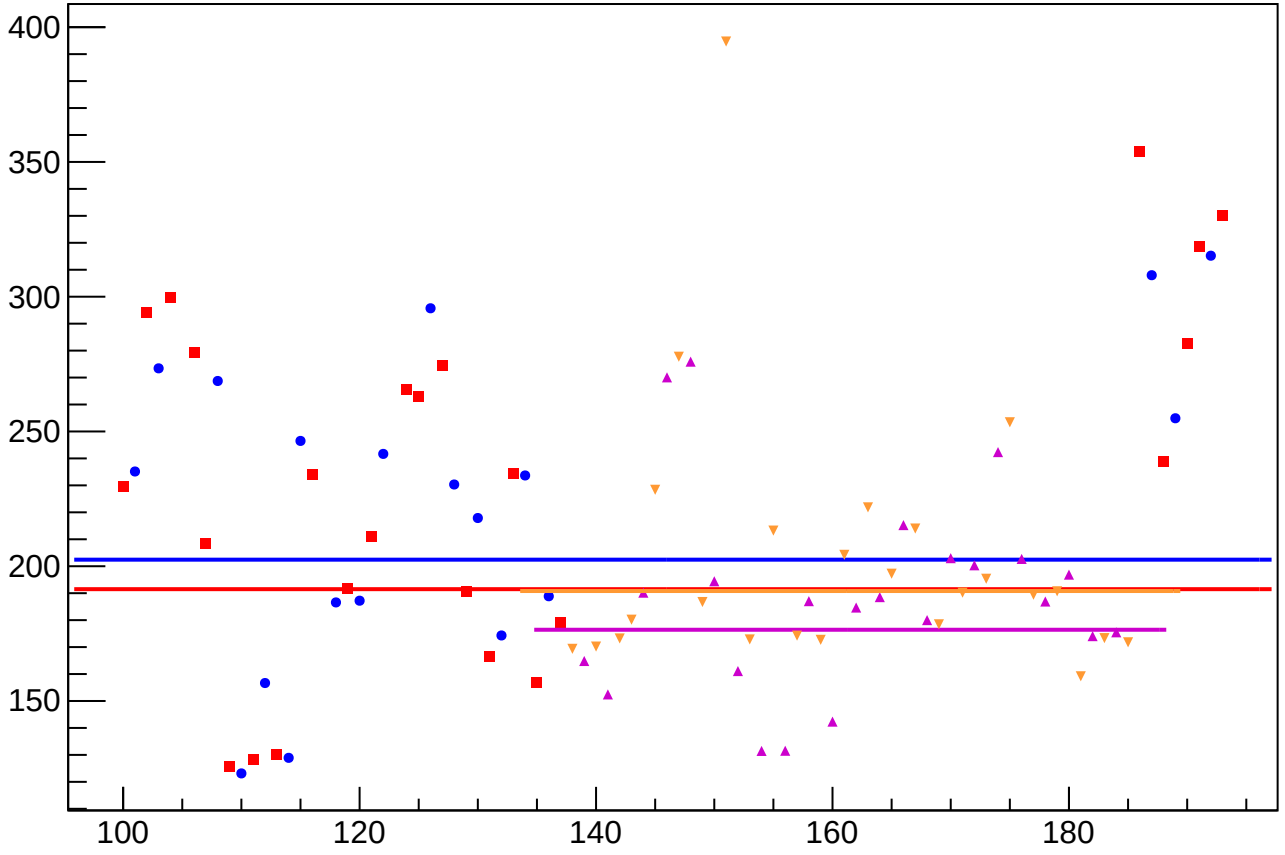
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 519.571+/-37.702 χ^2/NDF: 3833.6/43

All: 82.212+/-25.859 χ^2/NDF: 10585.0/90

- sign -306.314+/-35.535 χ^2/NDF: 6497.3/46

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: 191.491+/-0.045 χ^2/NDF: 1978538.8/23

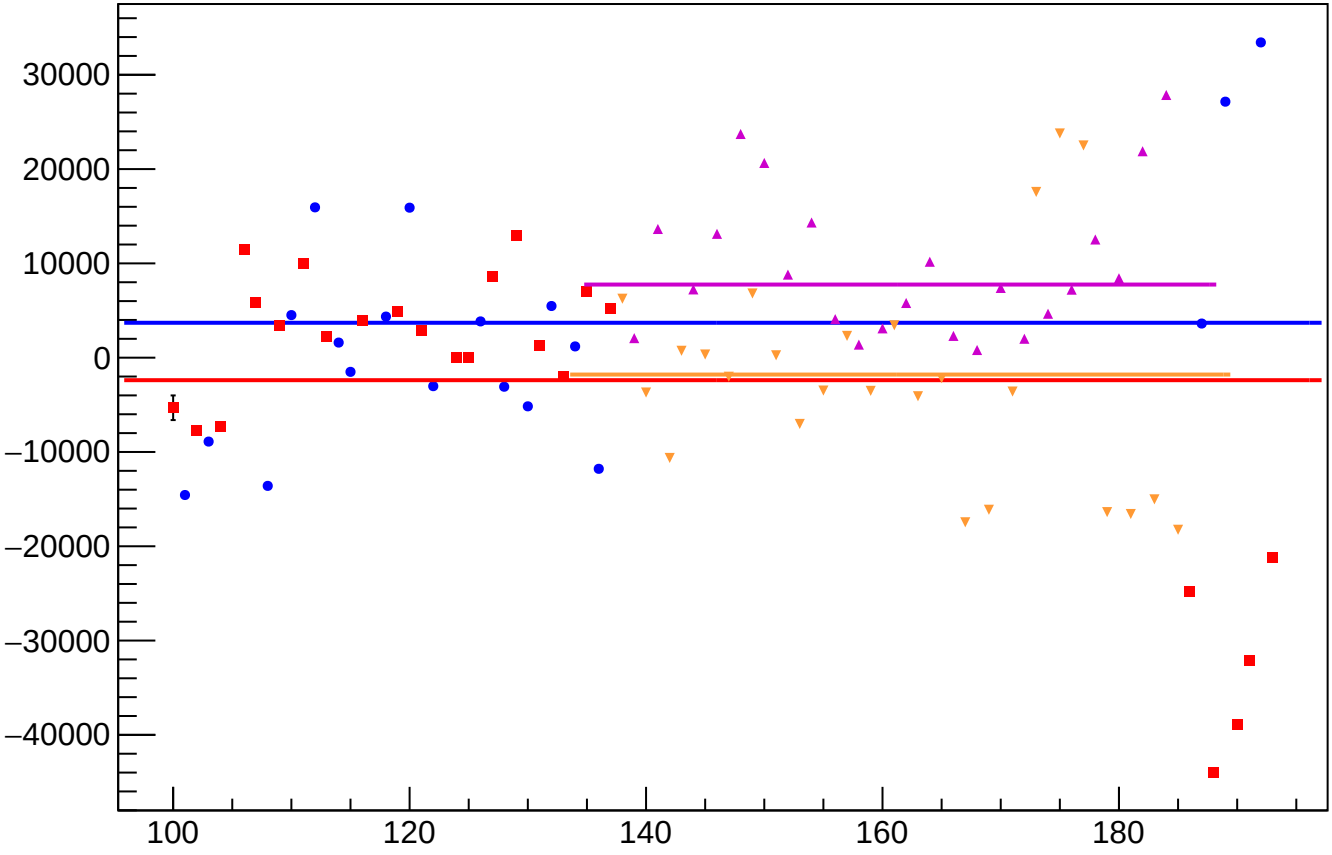
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 194.077+/-0.027 χ^2/NDF: 2187235.8/43

All: 187.184+/-0.018 χ^2/NDF: 5626142.5/90

- sign 181.061+/-0.025 χ^2/NDF: 3312679.5/46

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: -2386.540+/-46.978 χ^2/NDF: 114624.9/23

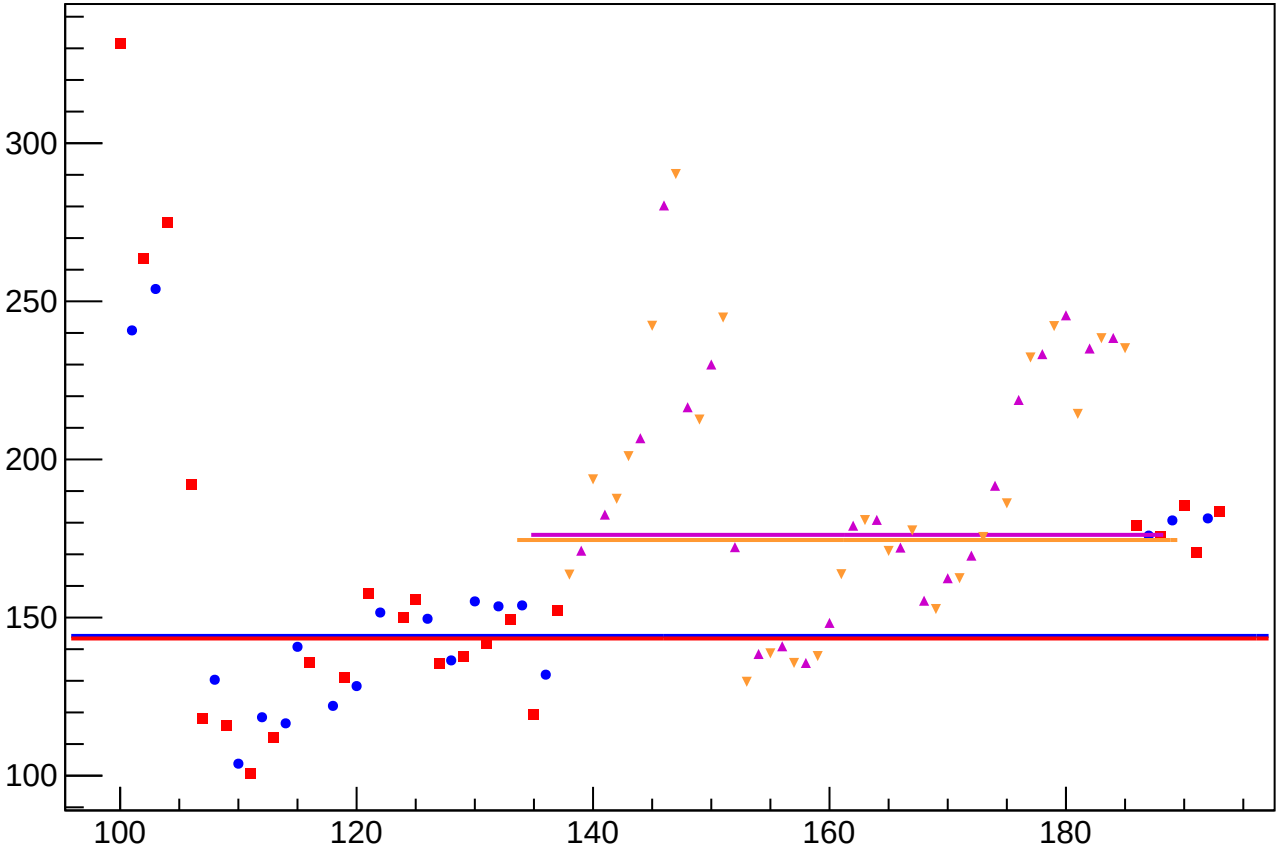
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 384.749+/-31.793 χ^2/NDF: 142935.0/43

All: 1794.190+/-22.393 χ^2/NDF: 310325.3/90

- sign 3181.785+/-31.545 χ^2/NDF: 163490.1/46

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: 143.383+/-0.033 χ^2/NDF: 1154875.3/23

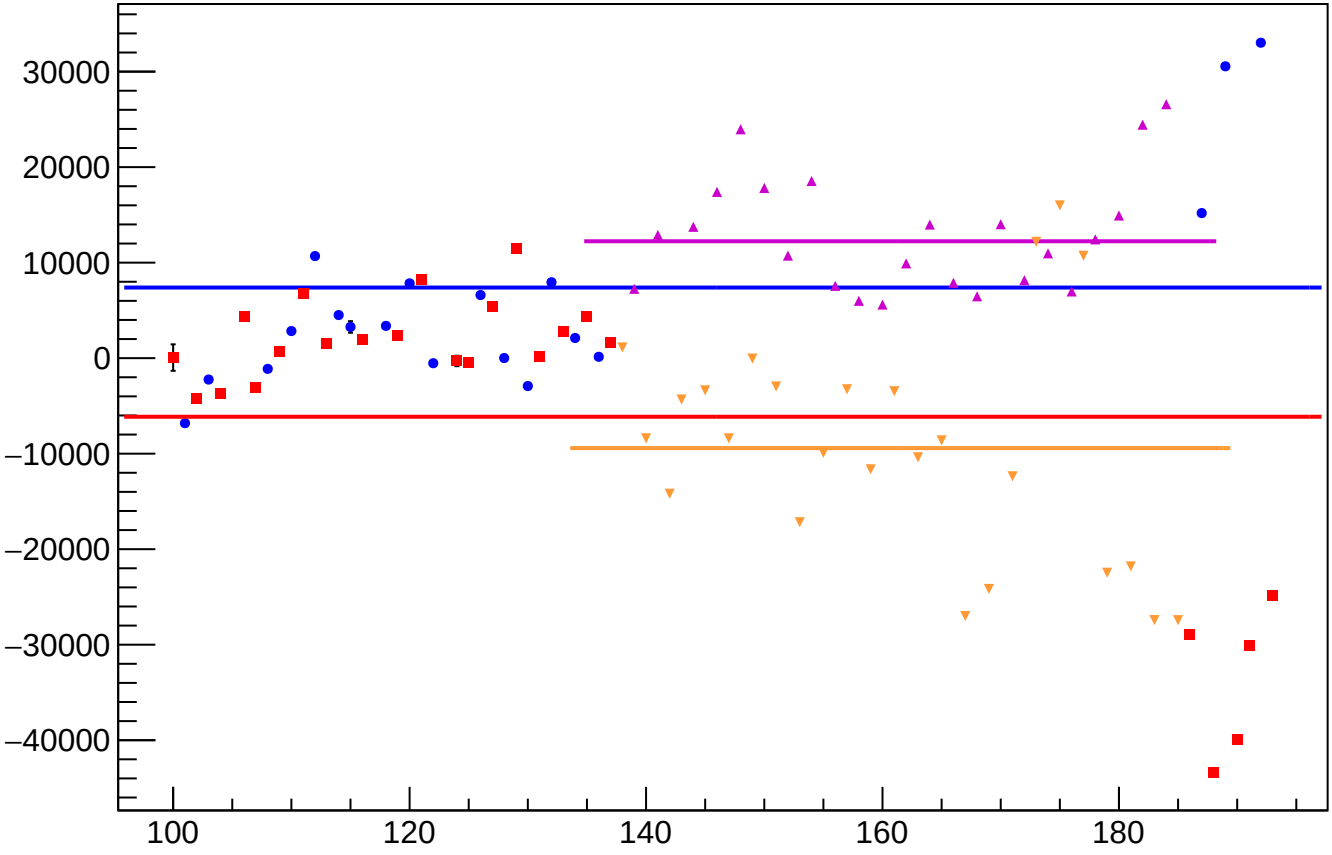
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 162.510+/-0.022 χ^2/NDF: 2908876.9/43

All: 161.940+/-0.016 χ^2/NDF: 5966504.7/90

- sign 161.378+/-0.022 χ^2/NDF: 3056348.2/46

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: -6135.189+/-56.918 χ^2/NDF: 90589.6/23

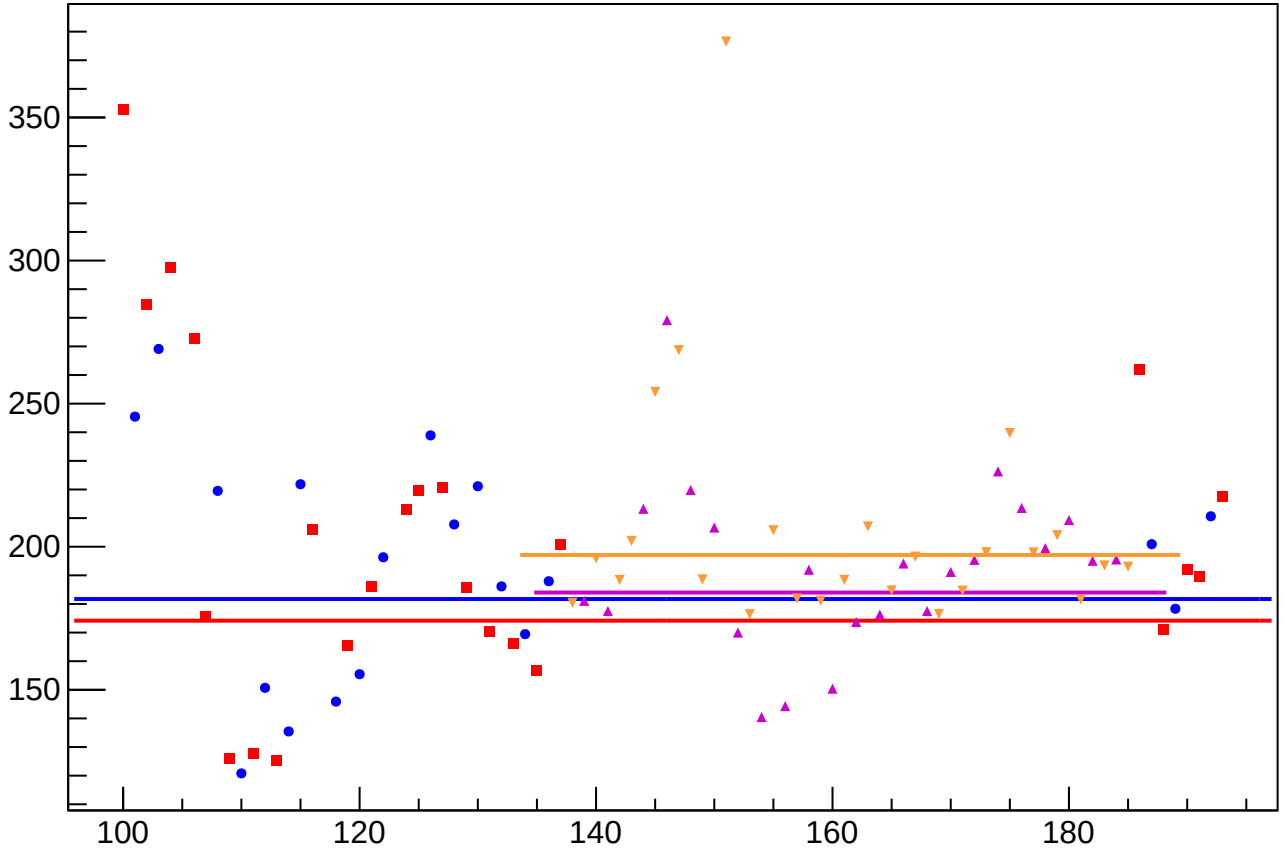
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -3632.122+/-37.005 χ^2/NDF: 143396.5/43

All: 1108.914+/-25.393 χ^2/NDF: 346034.2/90

- sign 5327.682+/-34.908 χ^2/NDF: 171617.5/46

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: 174.158+/-0.040 χ^2/NDF: 1157775.9/23

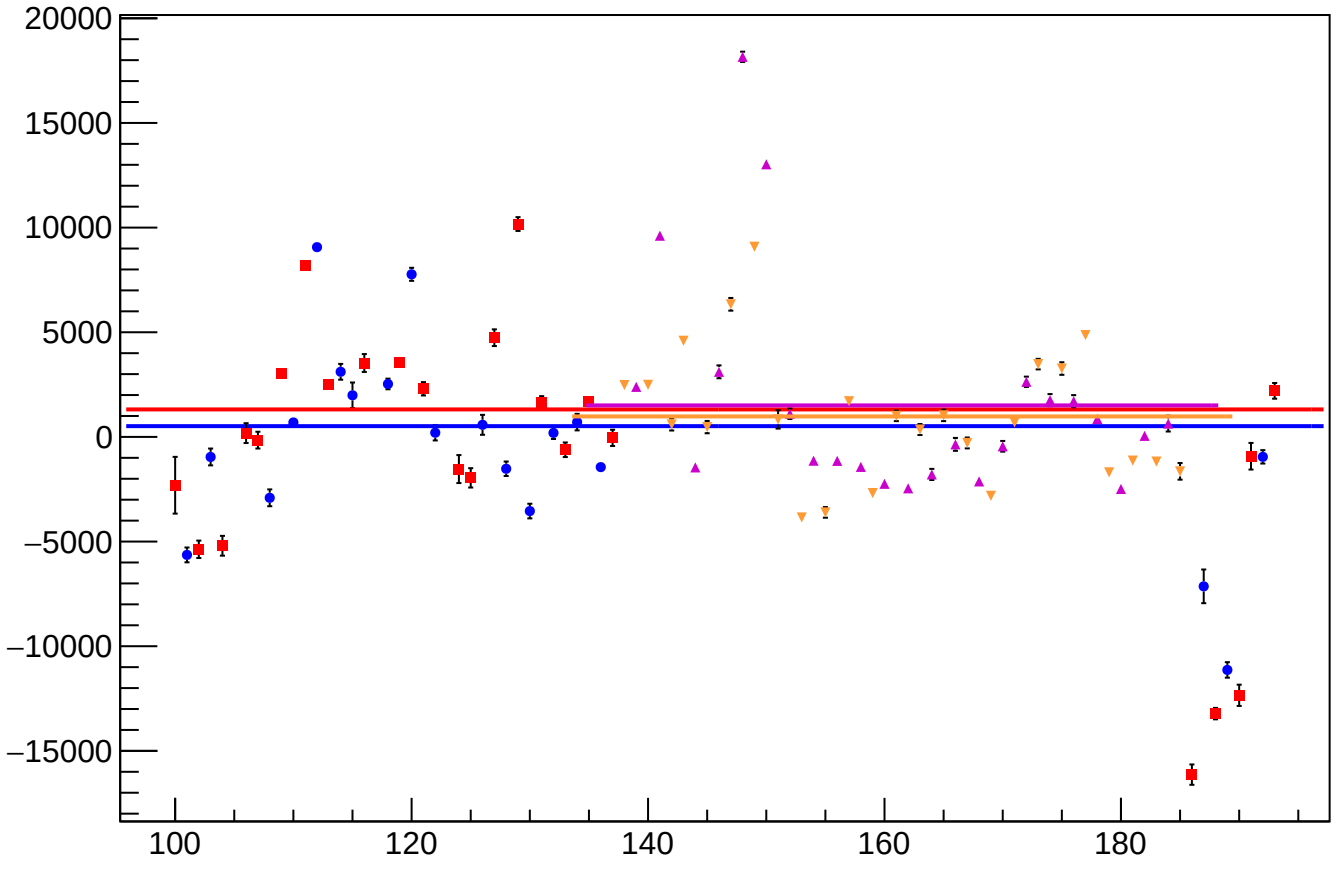
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.820+/-0.026 χ^2/NDF: 1529737.5/43

All: 185.719+/-0.018 χ^2/NDF: 3657253.2/90

- sign 180.289+/-0.025 χ^2/NDF: 2024751.9/46

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: 1313.025+/-64.515 χ^2/NDF: 7796.0/23

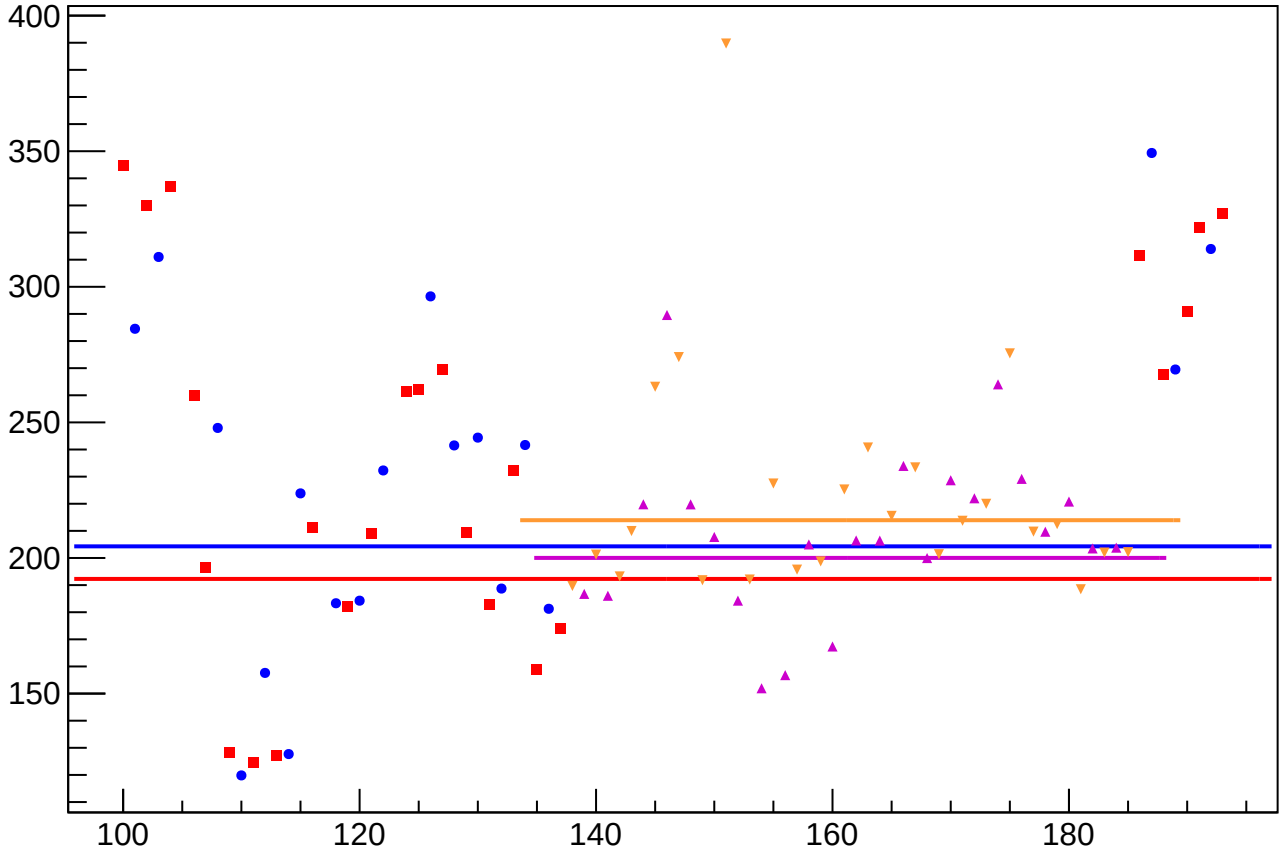
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 829.545+/-40.882 χ^2/NDF: 8174.4/43

All: 1150.966+/-28.042 χ^2/NDF: 27573.4/90

- sign 1436.564+/-38.537 χ^2/NDF: 19282.3/46

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: 192.279+/-0.046 χ^2/NDF: 2144444.9/23

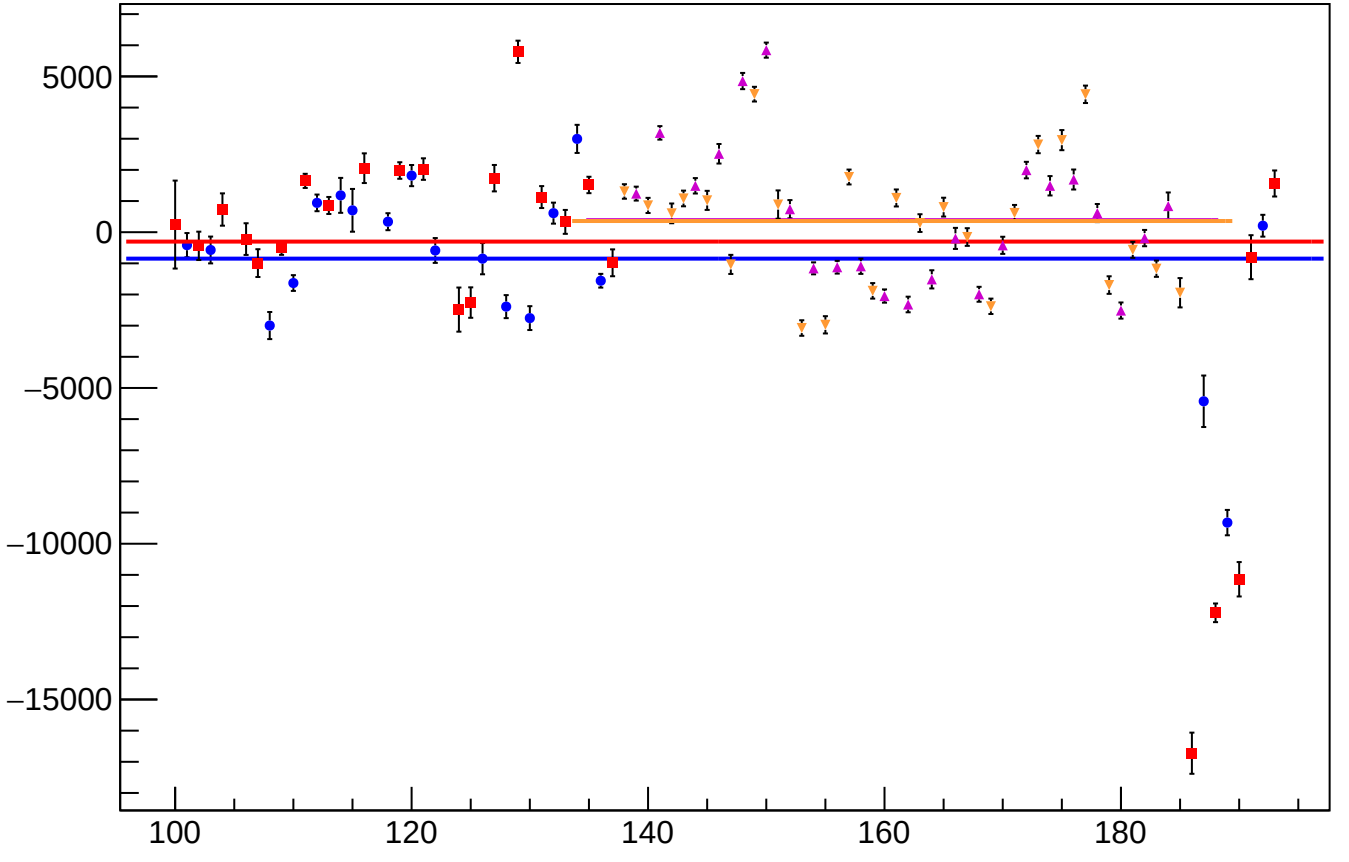
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 210.838+/-0.029 χ^2/NDF: 2122821.2/43

All: 203.651+/-0.020 χ^2/NDF: 5188091.7/90

- sign 197.265+/-0.027 χ^2/NDF: 2948541.7/46

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

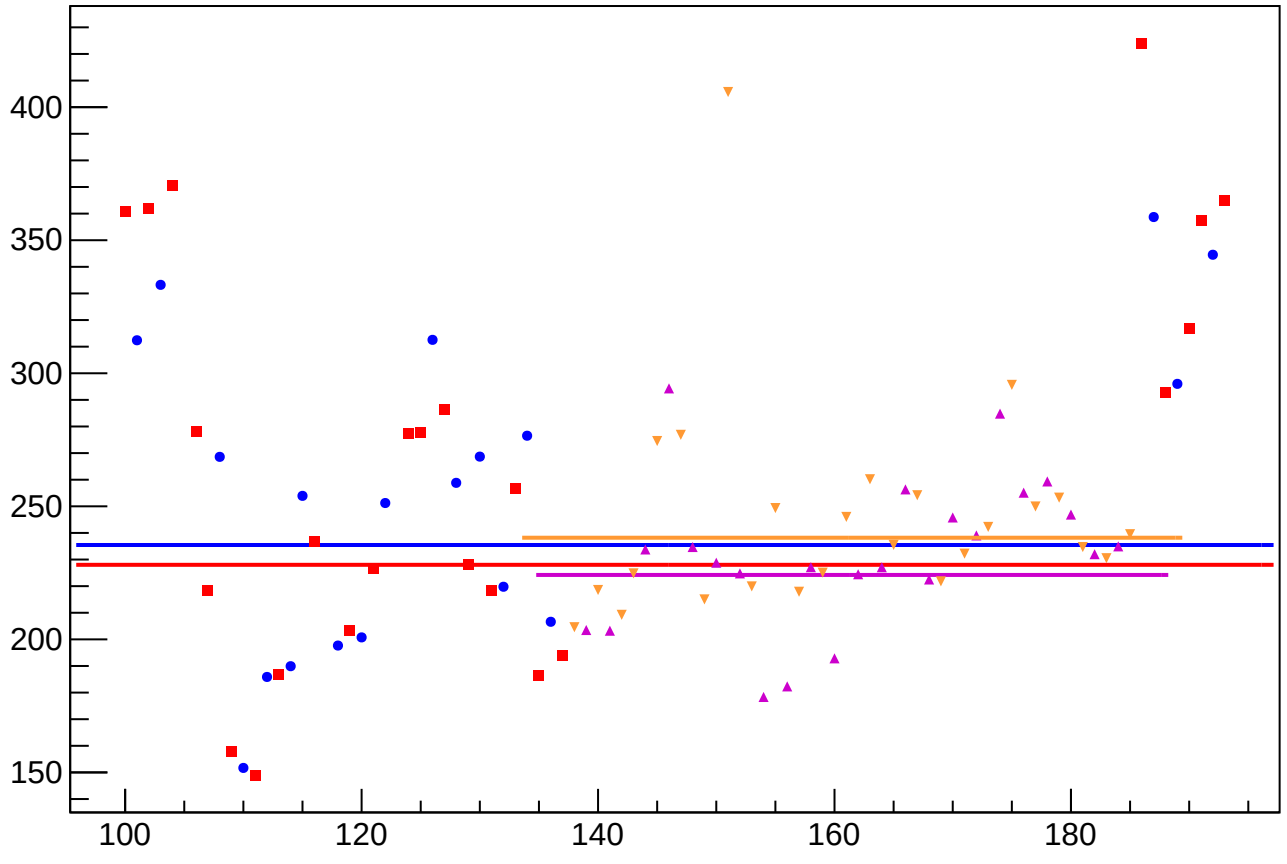
Right Out: -301.598+/-75.152 χ^2/NDF: 3256.4/23

Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.921+/-45.672 χ^2/NDF: 2364.7/43

All: 73.608+/-31.537 χ^2/NDF: 7488.3/90

- sign 155.196+/-43.599 χ^2/NDF: 5116.2/46



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: 228.018+/-0.053 χ^2/NDF: 1618360.1/23

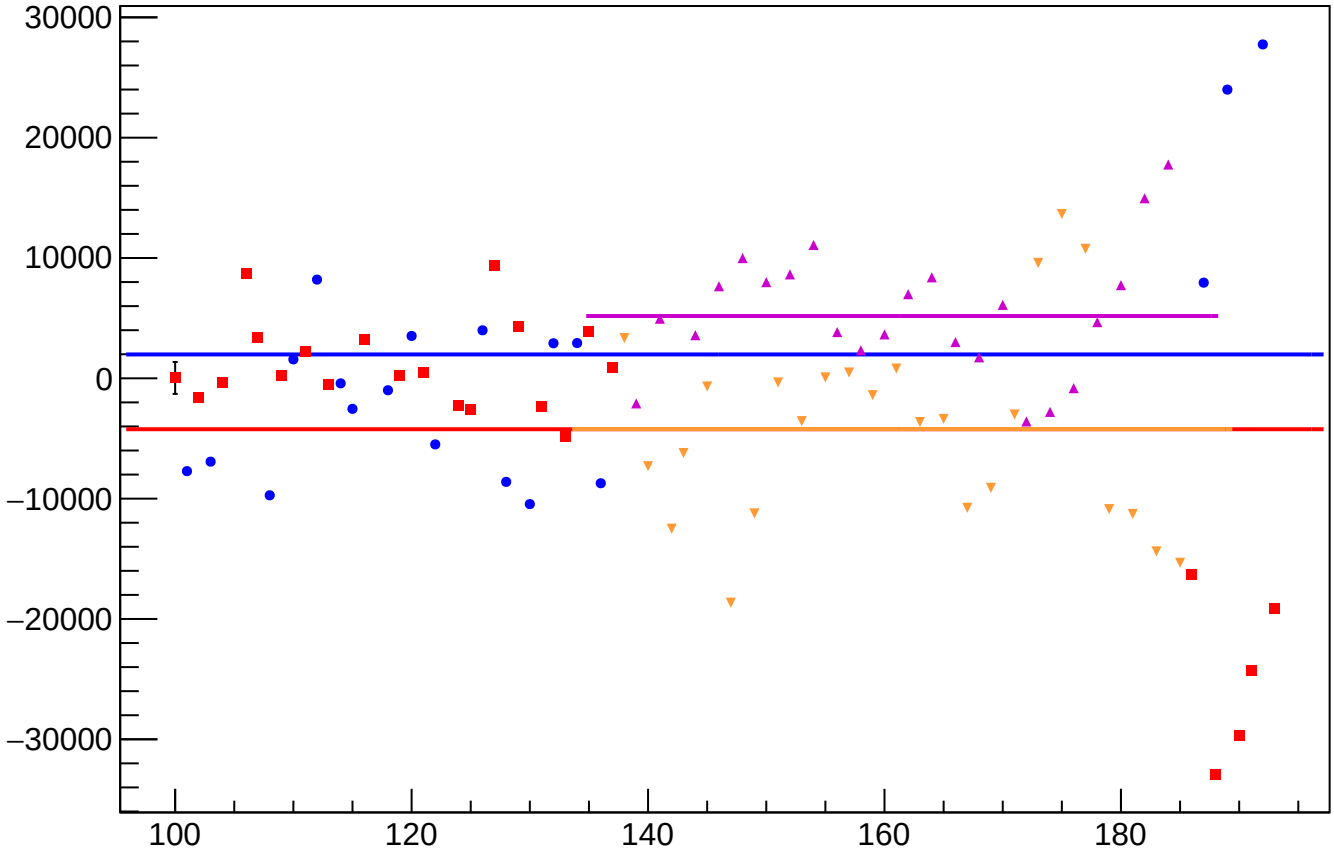
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 237.351+/-0.032 χ^2/NDF: 1536350.0/43

All: 231.147+/-0.022 χ^2/NDF: 3791888.0/90

- sign 225.493+/-0.031 χ^2/NDF: 2184994.0/46

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: -4230.349+/-39.748 χ^2/NDF: 88662.2/23

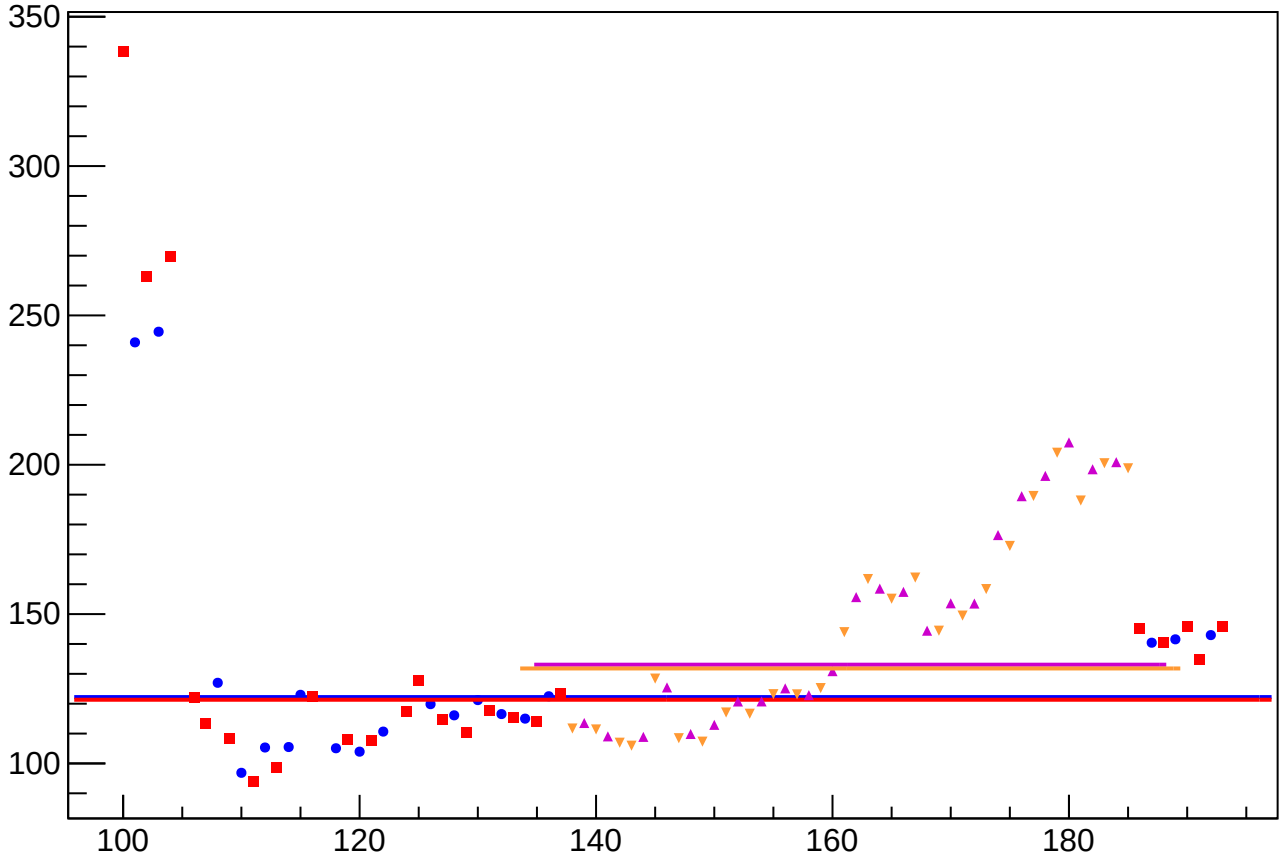
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -2107.278+/-25.054 χ^2/NDF: 138965.5/43

All: -302.142+/-17.665 χ^2/NDF: 290513.9/90

- sign 1482.533+/-24.911 χ^2/NDF: 141224.8/46

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

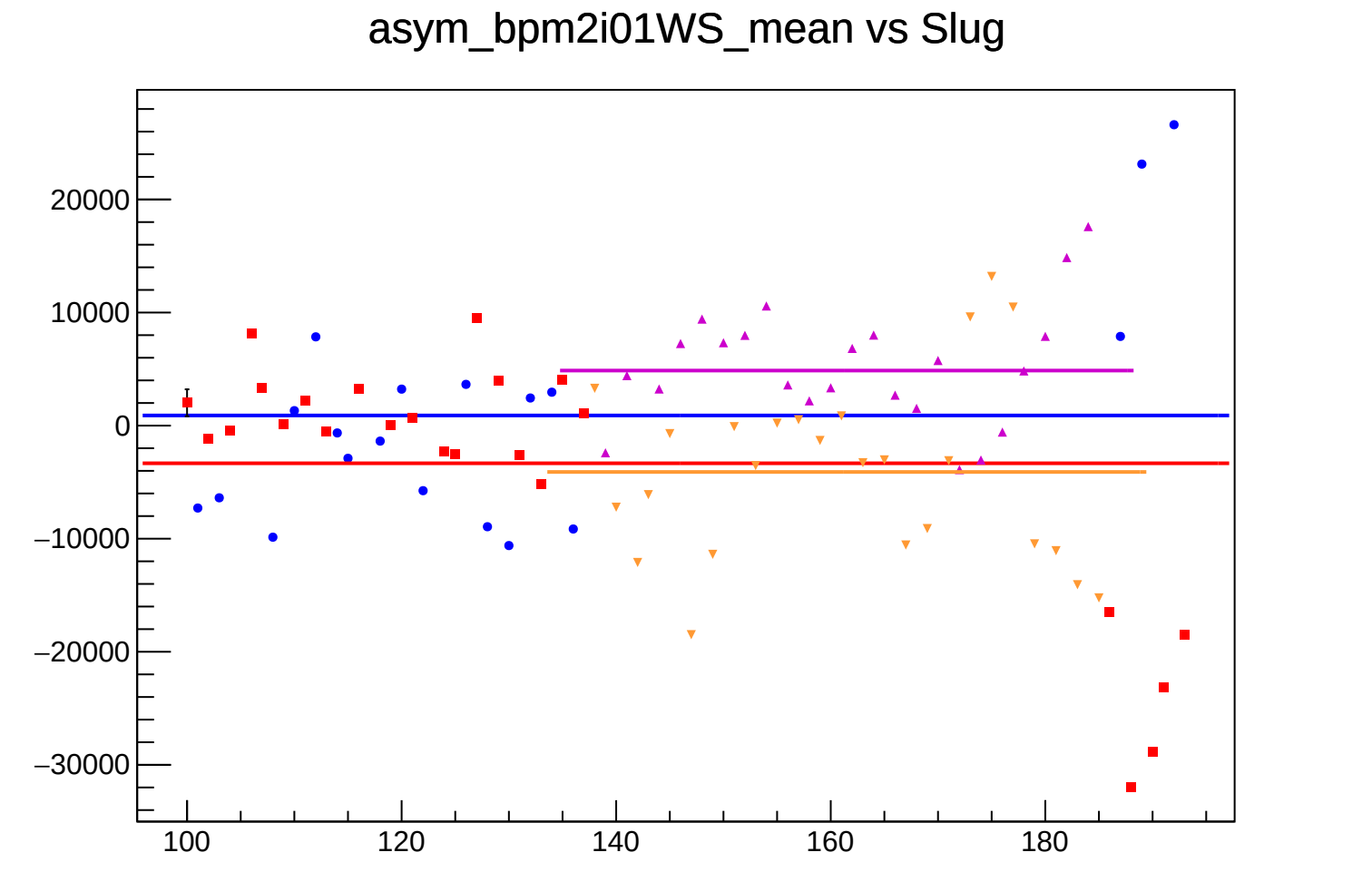
Right Out: 121.327+/-0.028 χ^2/NDF: 1020222.2/23

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

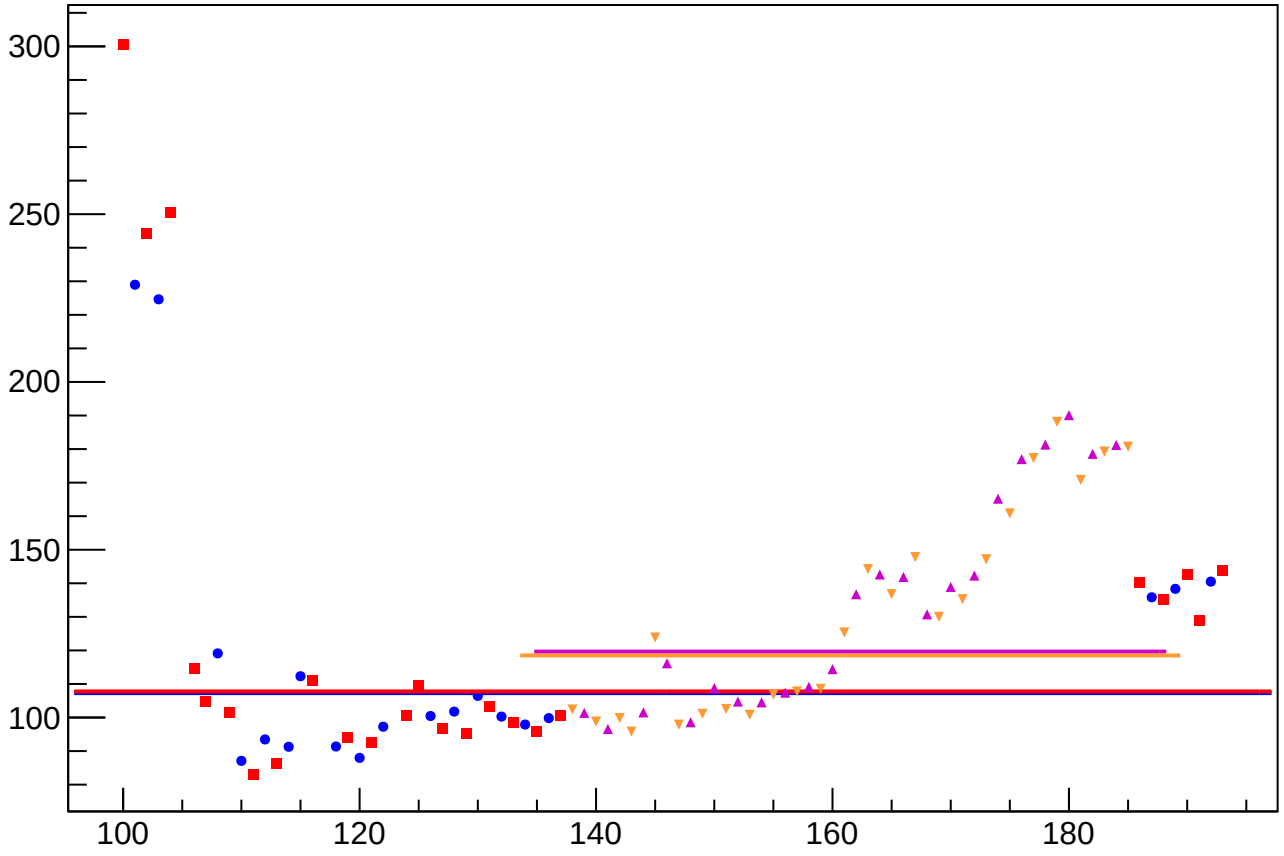
+ sign 128.544+/-0.018 χ^2/NDF: 2422614.0/43

All: 128.498+/-0.012 χ^2/NDF: 4966946.4/90

- sign 128.452+/-0.018 χ^2/NDF: 2544318.8/46


asym_bpm2i01WS_mean vs Slug
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
Right In: 898.712+/-38.097 χ²/NDF: 74168.8/18
Left Out: -4098.897+/-27.771 χ²/NDF:66271.3/24
Right Out: -3330.609+/-35.636 χ²/NDF: 94376.2/23
Left In: 4869.740+/-28.809 χ²/NDF:21913.6/22
+ sign -2364.706+/-22.442 χ²/NDF: 151677.4/43
All: -364.630+/-15.855 χ²/NDF: 315849.8/90
- sign 1628.693+/-22.404 χ²/NDF: 148313.2/46

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: 107.767+/-0.025 χ^2/NDF: 1260757.0/23

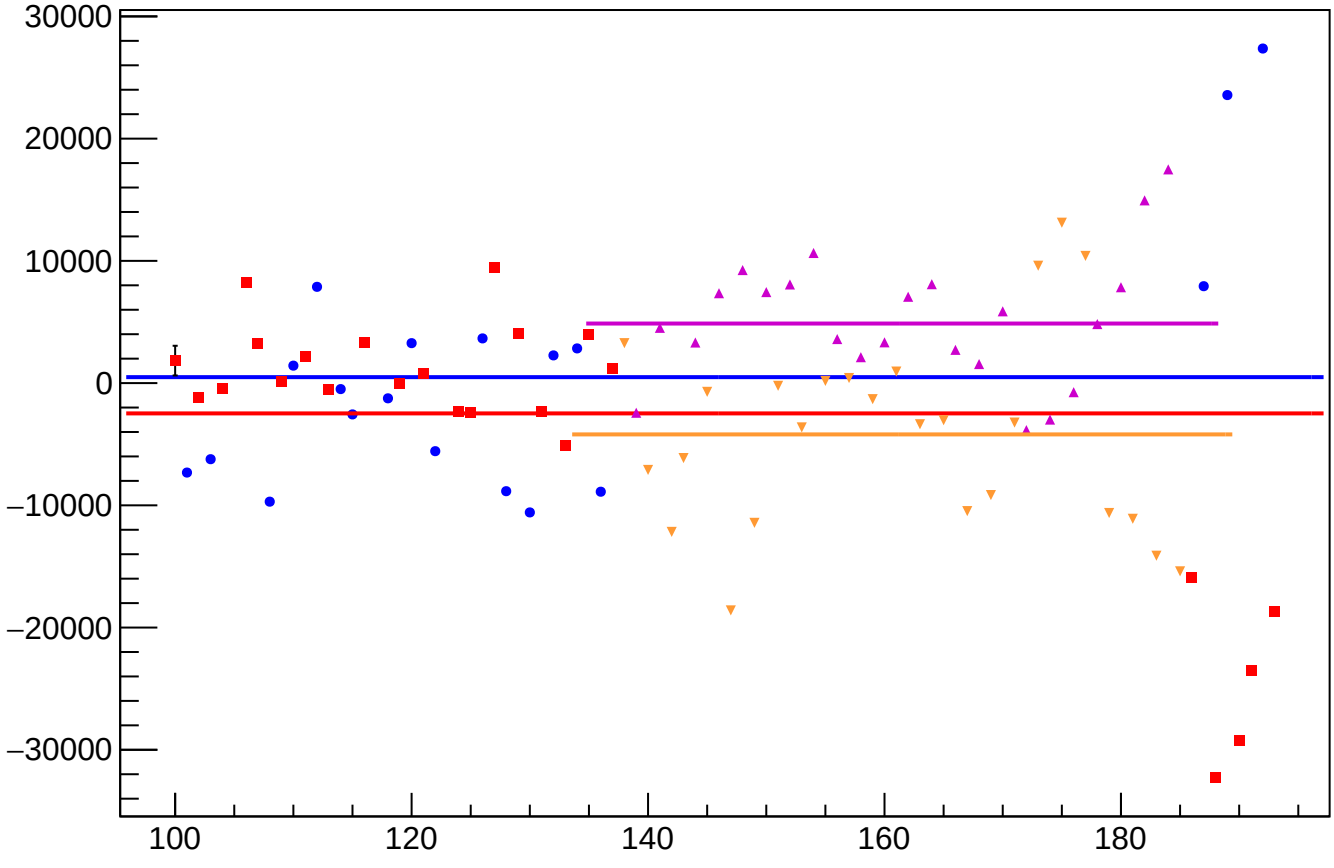
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 114.607+/-0.016 χ^2/NDF: 2768826.0/43

All: 114.779+/-0.011 χ^2/NDF: 5676574.5/90

- sign 114.950+/-0.016 χ^2/NDF: 2907514.0/46

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: -2479.081+/-34.704 χ^2/NDF: 86745.6/23

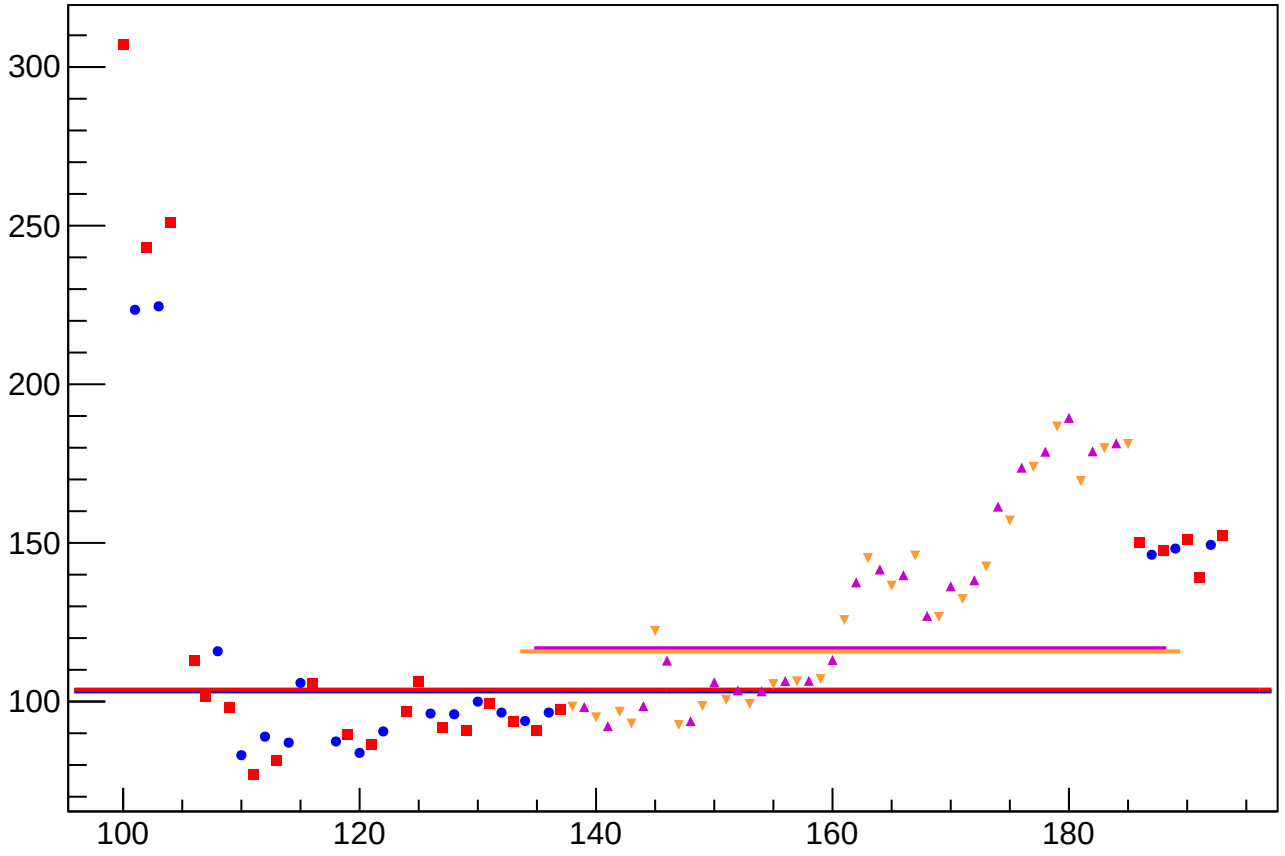
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -2550.994+/-21.913 χ^2/NDF: 153038.0/43

All: -298.081+/-15.485 χ^2/NDF: 310852.9/90

- sign 1949.123+/-21.886 χ^2/NDF: 136702.0/46

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

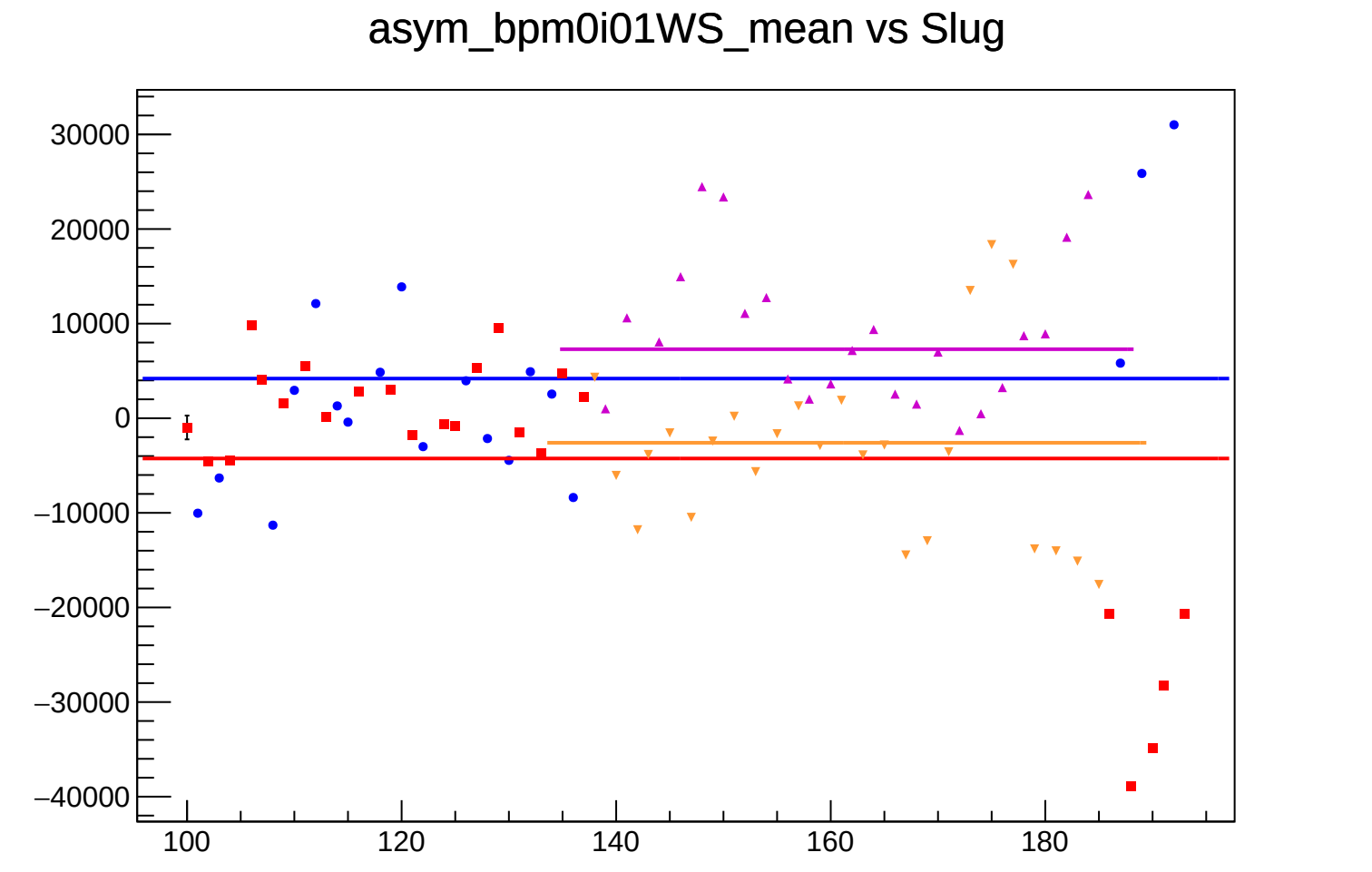
Right Out: 103.769+/-0.025 χ^2/NDF: 1596055.7/23

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 111.367+/-0.015 χ^2/NDF: 3117398.4/43

All: 111.495+/-0.011 χ^2/NDF: 6501296.4/90

- sign 111.623+/-0.015 χ^2/NDF: 3383761.9/46



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: -4255.397+/-47.774 χ^2/NDF: 82618.5/23

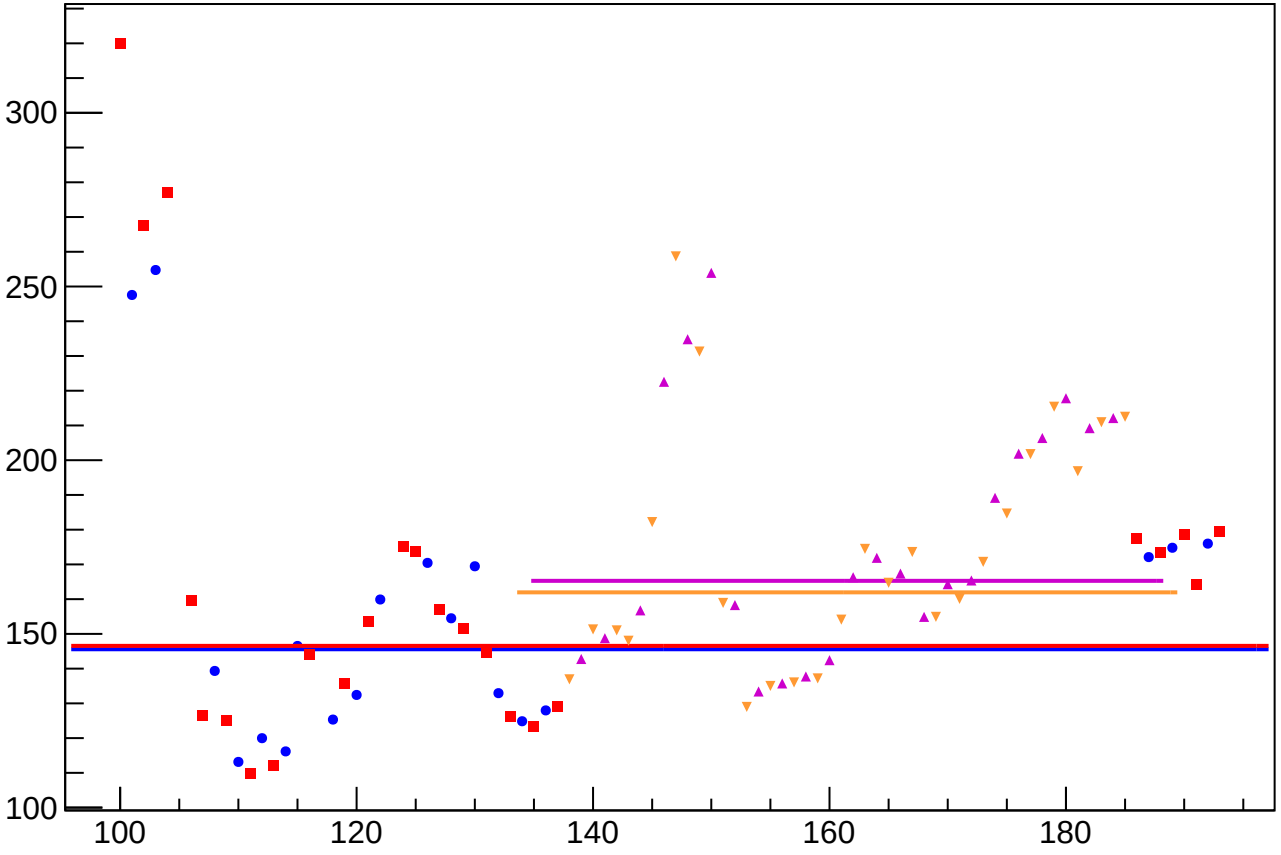
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign -188.866+/-30.252 χ^2/NDF: 113019.7/43

All: 1192.857+/-21.471 χ^2/NDF: 259256.7/90

- sign 2595.170+/-30.477 χ^2/NDF: 142033.8/46

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: 146.553+/-0.034 χ^2/NDF: 988091.9/23

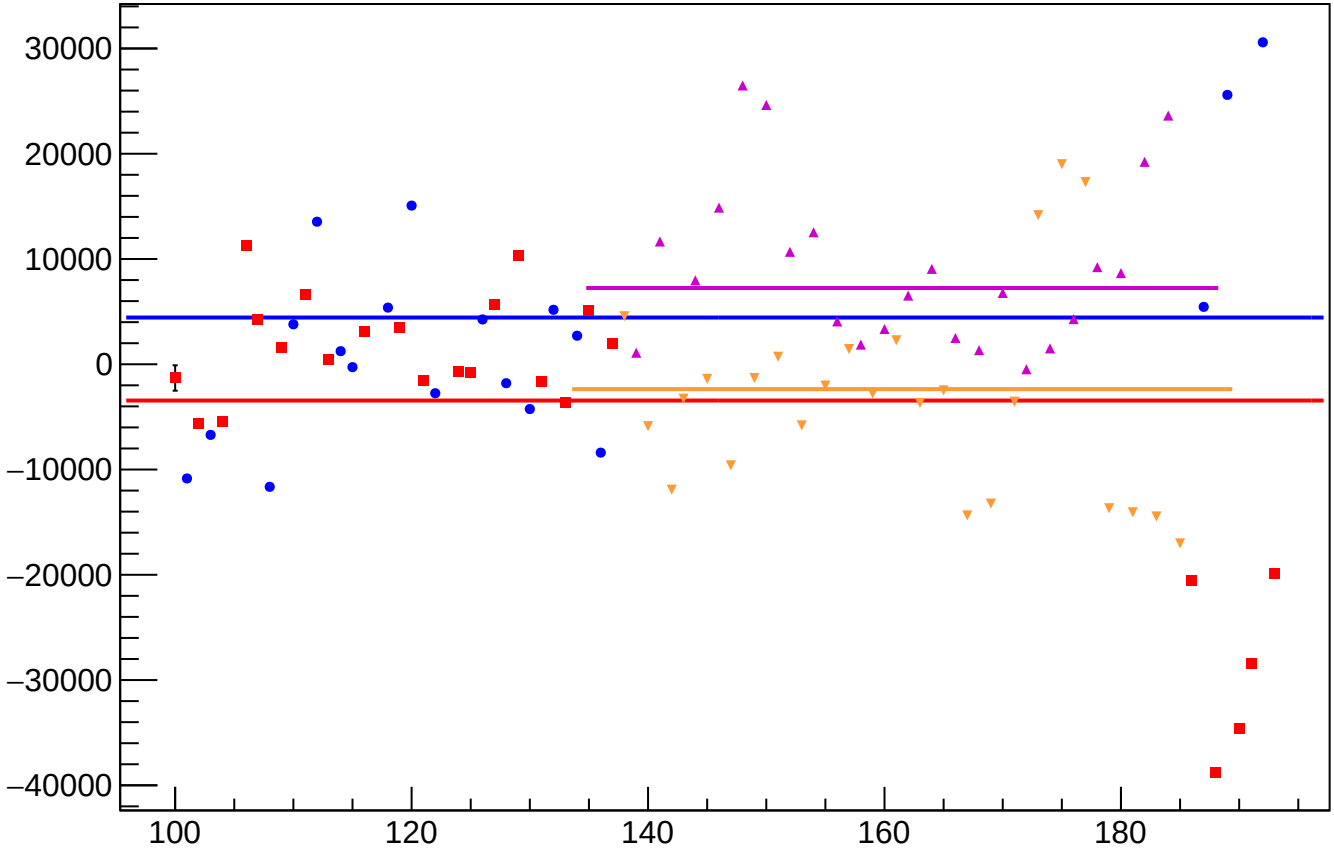
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 156.156+/-0.021 χ^2/NDF: 2066015.3/43

All: 156.900+/-0.015 χ^2/NDF: 4417734.3/90

- sign 157.654+/-0.022 χ^2/NDF: 2349284.9/46

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: -3445.237+/-39.892 χ^2/NDF: 115482.6/23

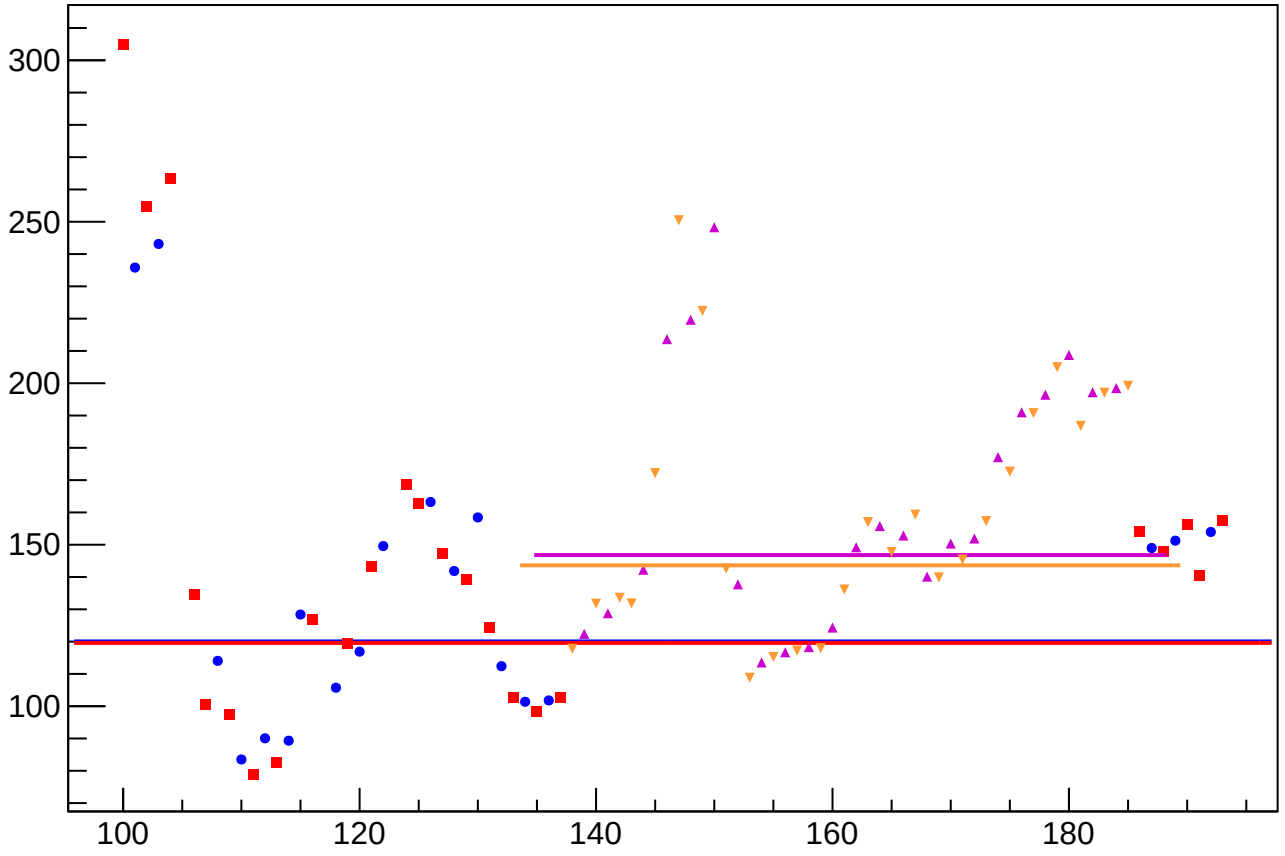
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign 240.284+/-26.467 χ^2/NDF: 148002.2/43

All: 1377.457+/-18.735 χ^2/NDF: 337698.9/90

- sign 2519.389+/-26.523 χ^2/NDF: 185996.9/46

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: 119.597+/-0.028 χ^2/NDF: 1630011.1/23

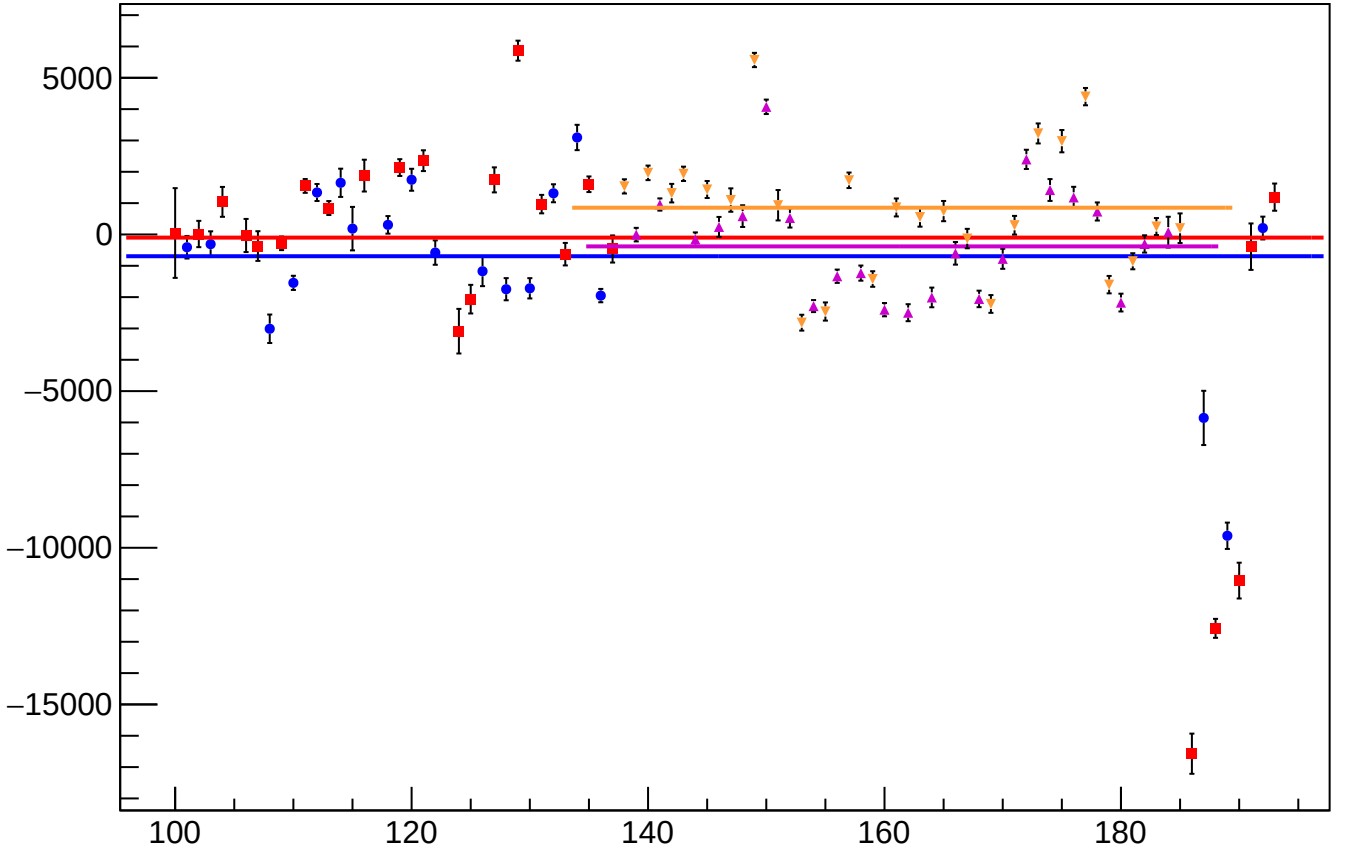
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 134.607+/-0.019 χ^2/NDF: 3325461.7/43

All: 134.689+/-0.013 χ^2/NDF: 7168693.3/90

- sign 134.771+/-0.019 χ^2/NDF: 3843193.1/46

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: -100.372+/-71.672 χ^2/NDF: 3424.0/23

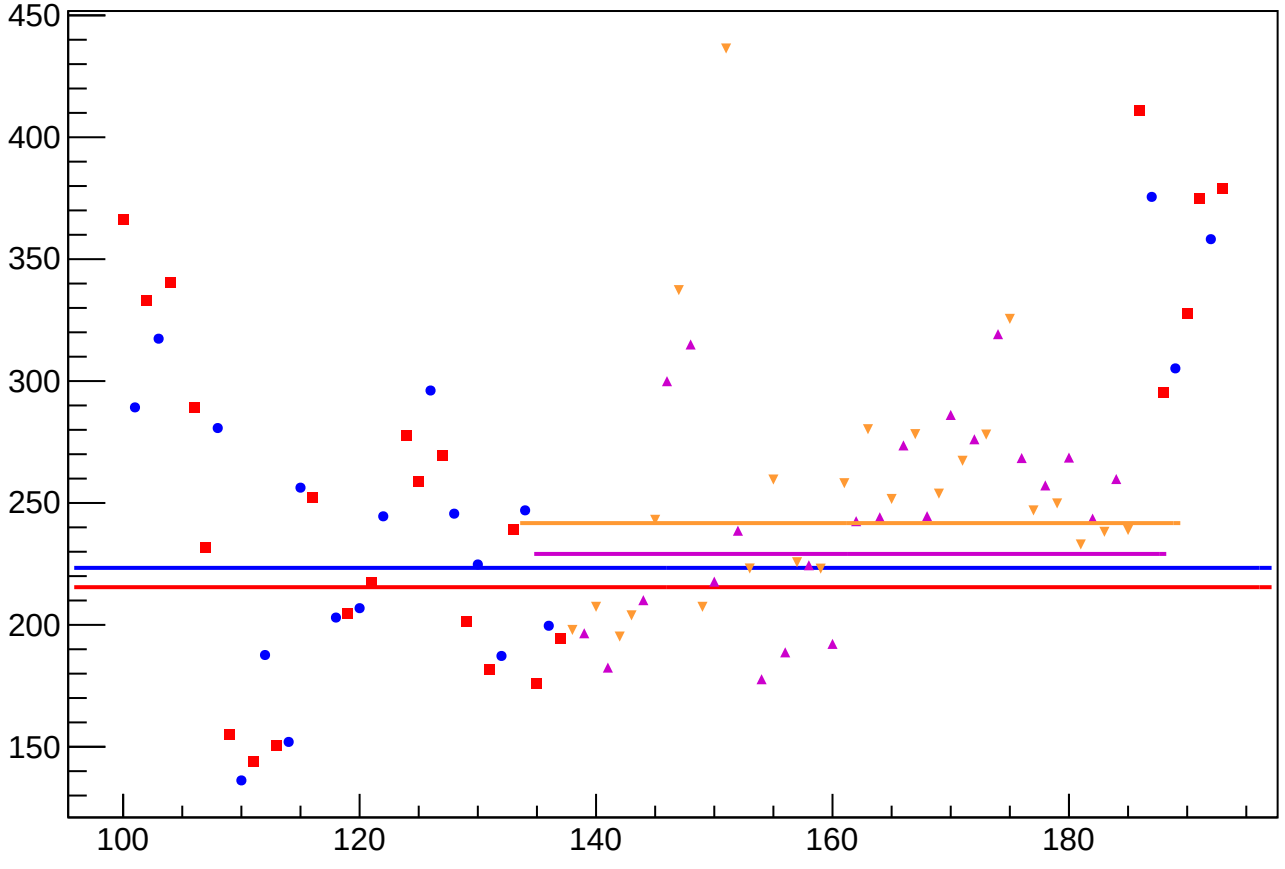
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 327.613+/-45.693 χ^2/NDF: 2573.3/43

All: 12.058+/-31.582 χ^2/NDF: 7080.6/90

- sign -276.586+/-43.701 χ^2/NDF: 4416.0/46

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

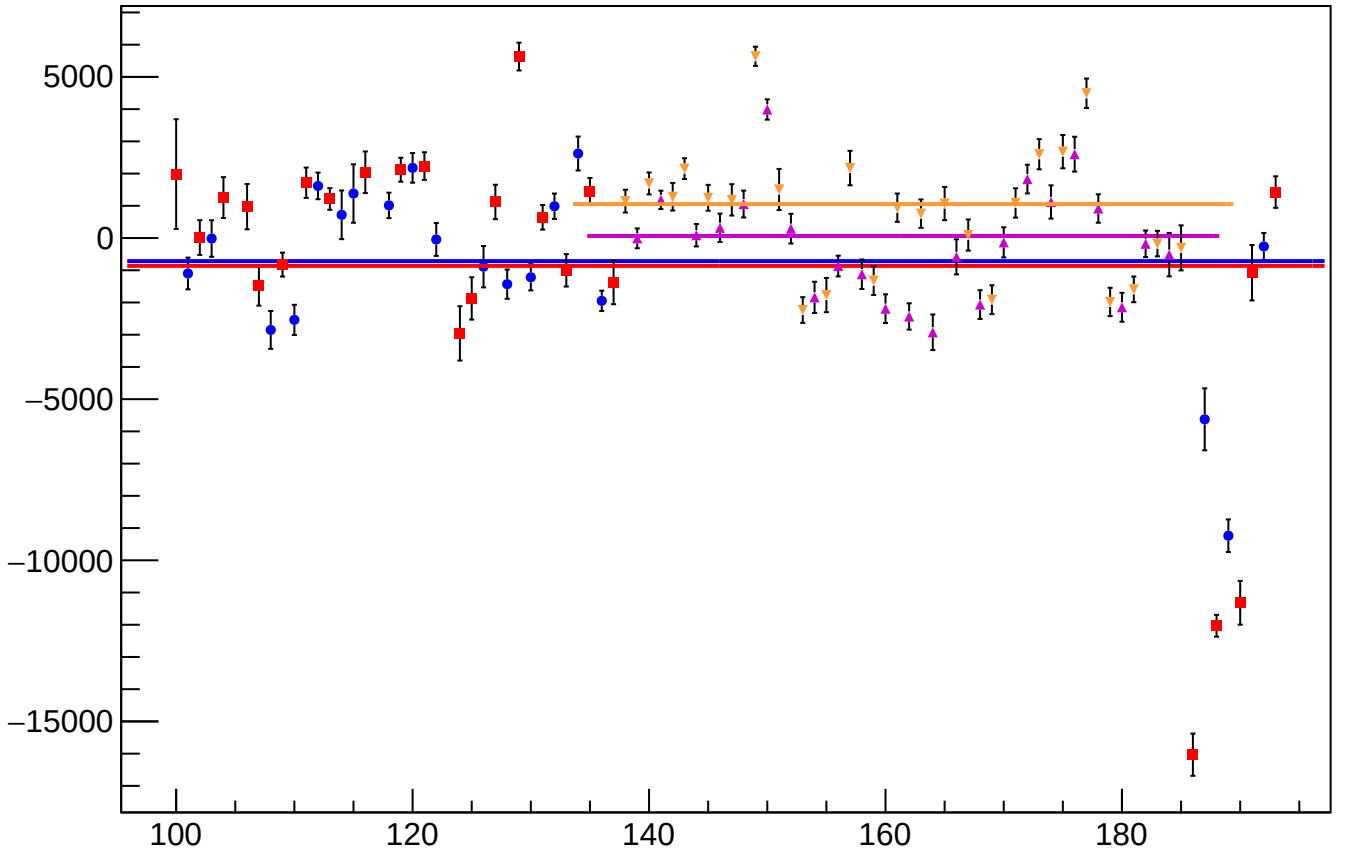
Right Out: 215.463+/-0.051 χ^2/NDF: 1848863.1/23

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 235.506+/-0.032 χ^2/NDF: 2199254.3/43

All: 229.513+/-0.022 χ^2/NDF: 5228449.7/90

- sign 224.032+/-0.031 χ^2/NDF: 2963333.4/46



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: -863.624+/-101.590 χ^2/NDF: 2407.4/23

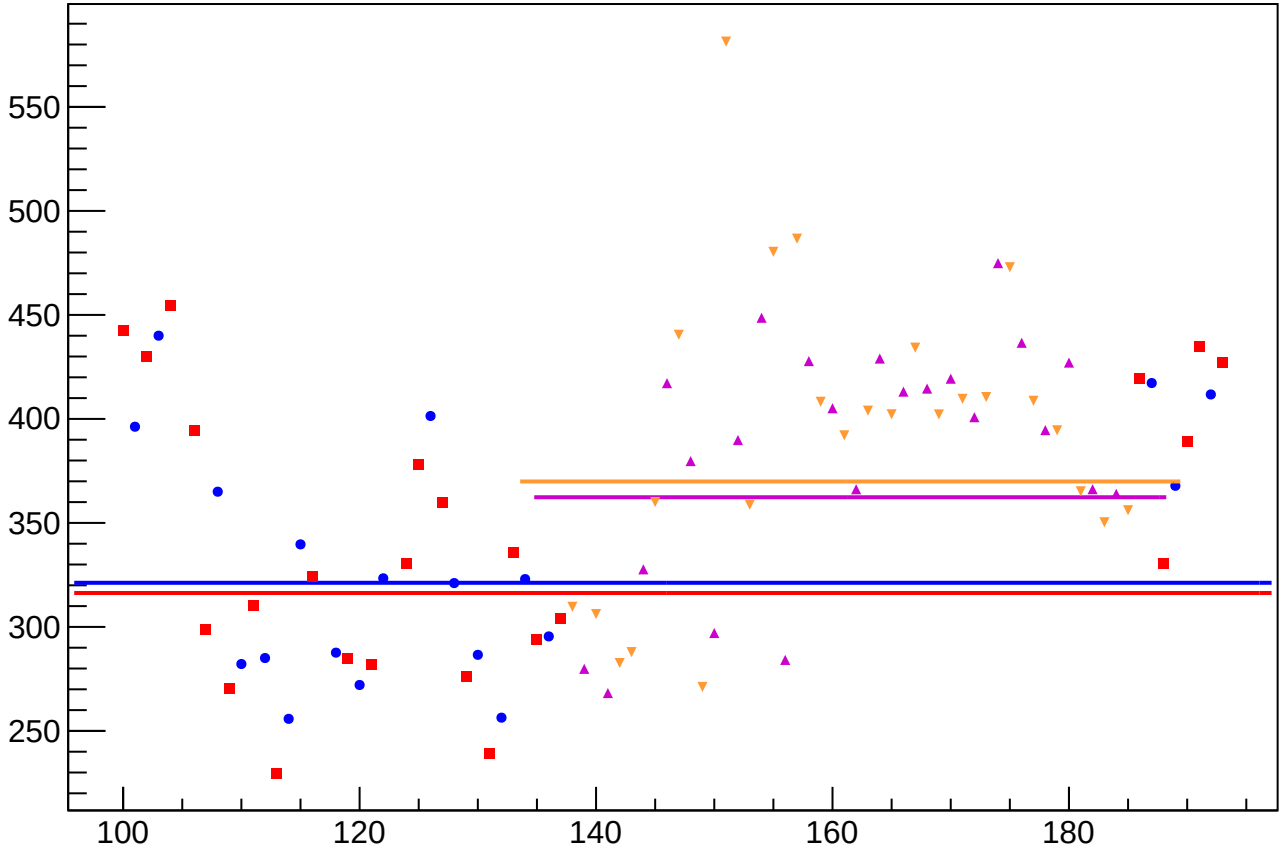
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 383.091+/-67.700 χ^2/NDF: 1295.8/43

All: 18.989+/-47.233 χ^2/NDF: 4202.3/90

- sign -326.327+/-65.931 χ^2/NDF: 2850.2/46

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: 316.313+/-0.072 χ^2/NDF: 770574.3/23

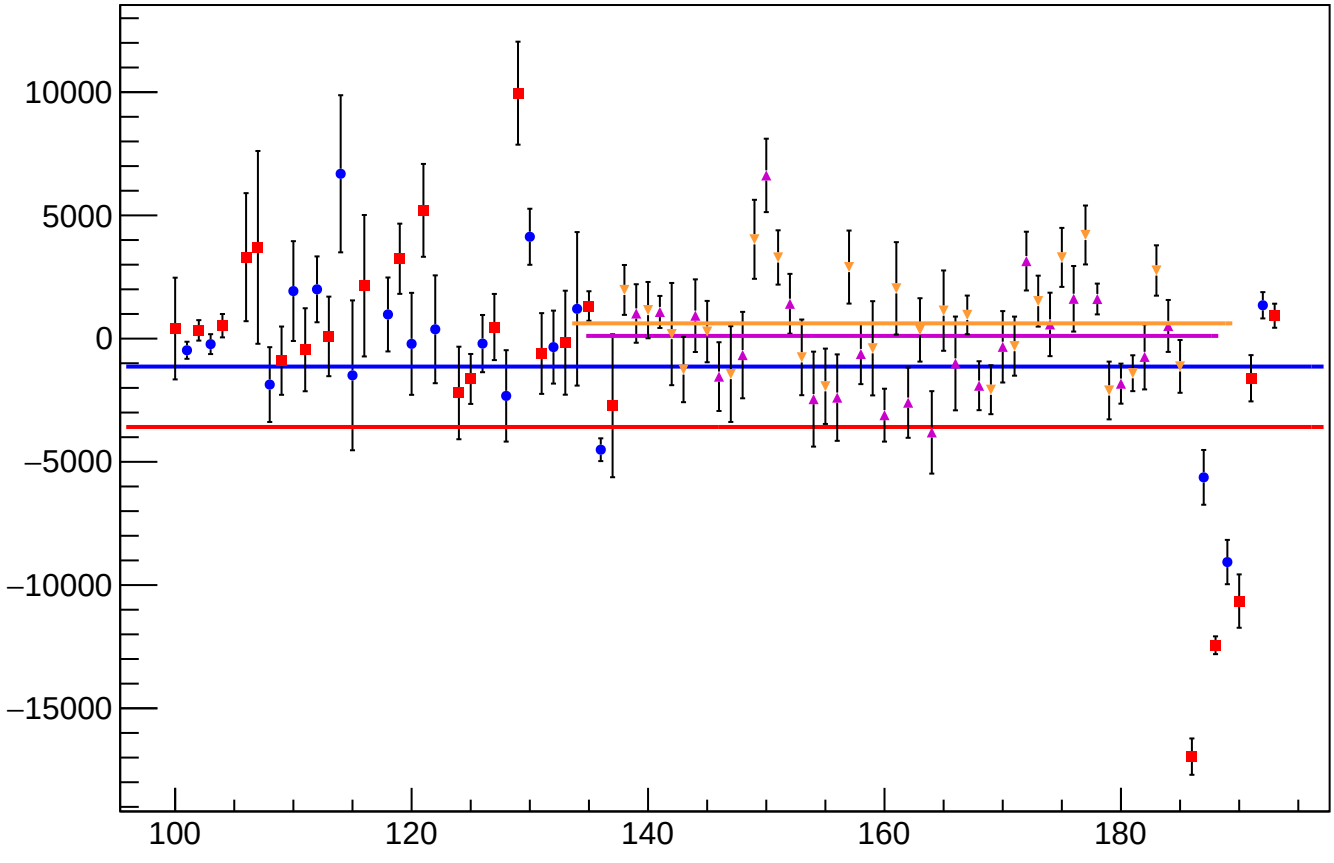
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 351.473+/-0.048 χ^2/NDF: 1945595.3/43

All: 347.101+/-0.033 χ^2/NDF: 4023456.8/90

- sign 342.955+/-0.047 χ^2/NDF: 2061609.1/46

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: -3585.517+/-171.307 χ^2/NDF: 1430.1/23

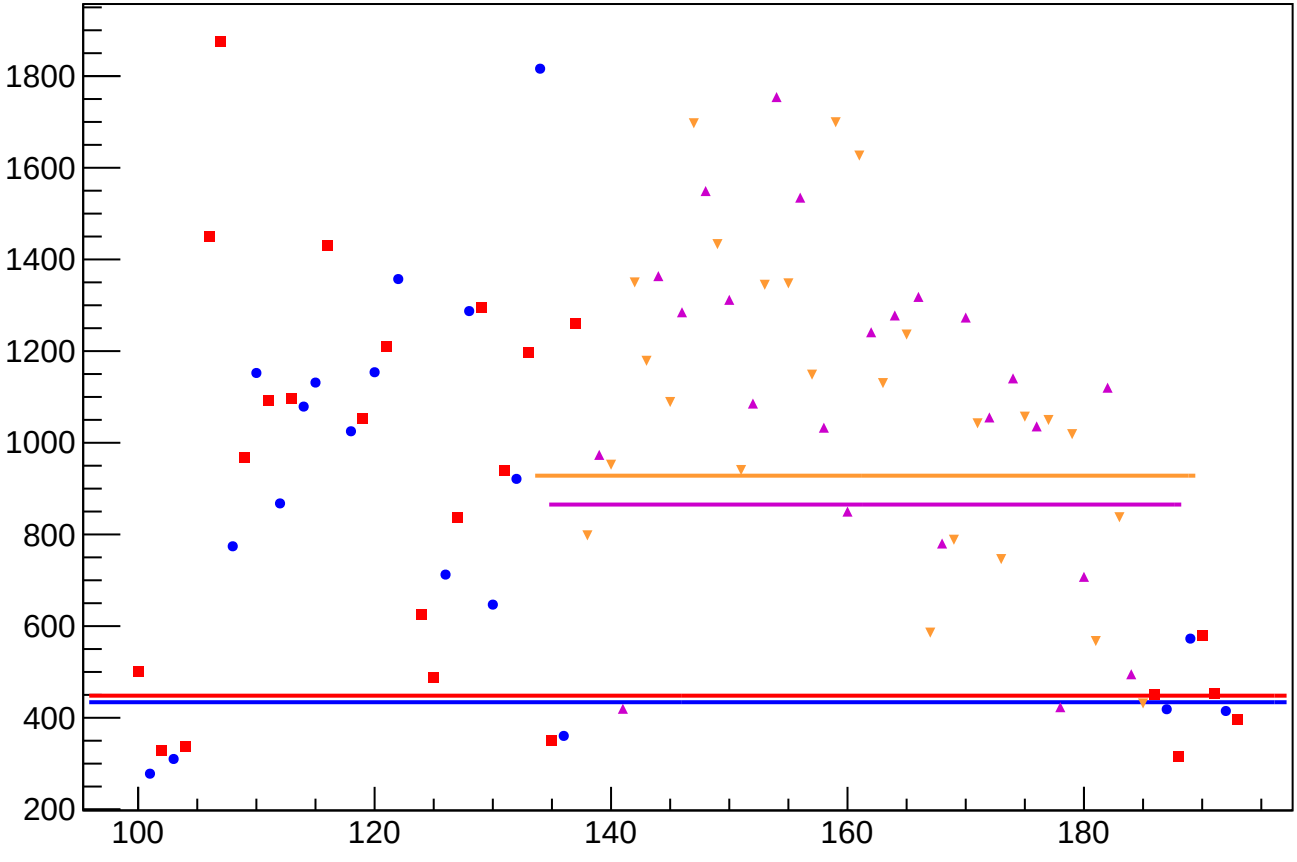
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign -477.699+/-145.781 χ^2/NDF: 317.7/43

All: -1444.407+/-100.601 χ^2/NDF: 2062.4/90

- sign -2323.292+/-139.002 χ^2/NDF: 1660.7/46

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: 448.257+/-0.121 χ^2/NDF: 4137065.4/23

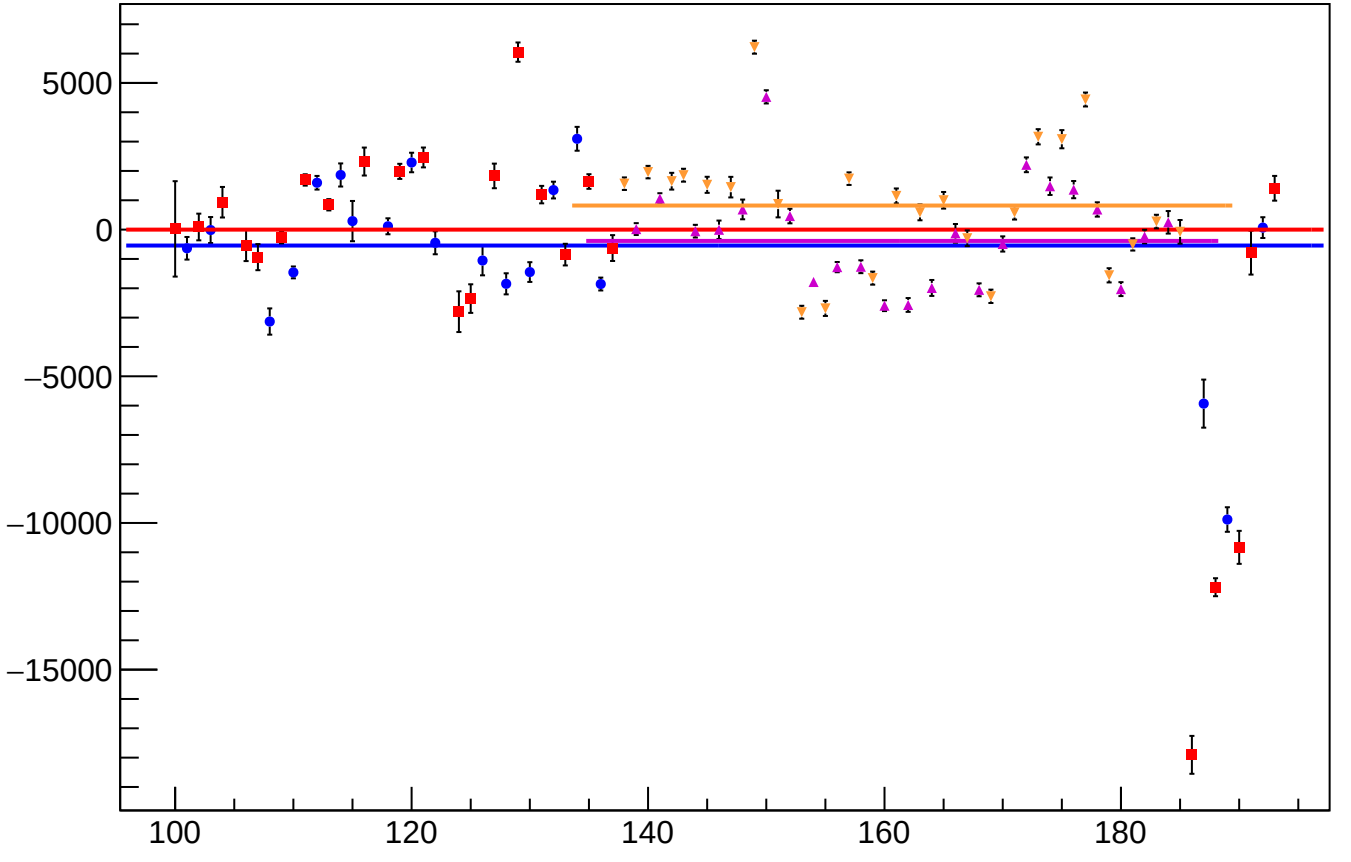
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 619.183+/-0.103 χ^2/NDF: 12254688.1/43

All: 604.260+/-0.071 χ^2/NDF: 25272035.7/90

- sign 590.693+/-0.098 χ^2/NDF: 12977337.9/46

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: -0.413+/-68.849 χ^2/NDF: 3441.0/23

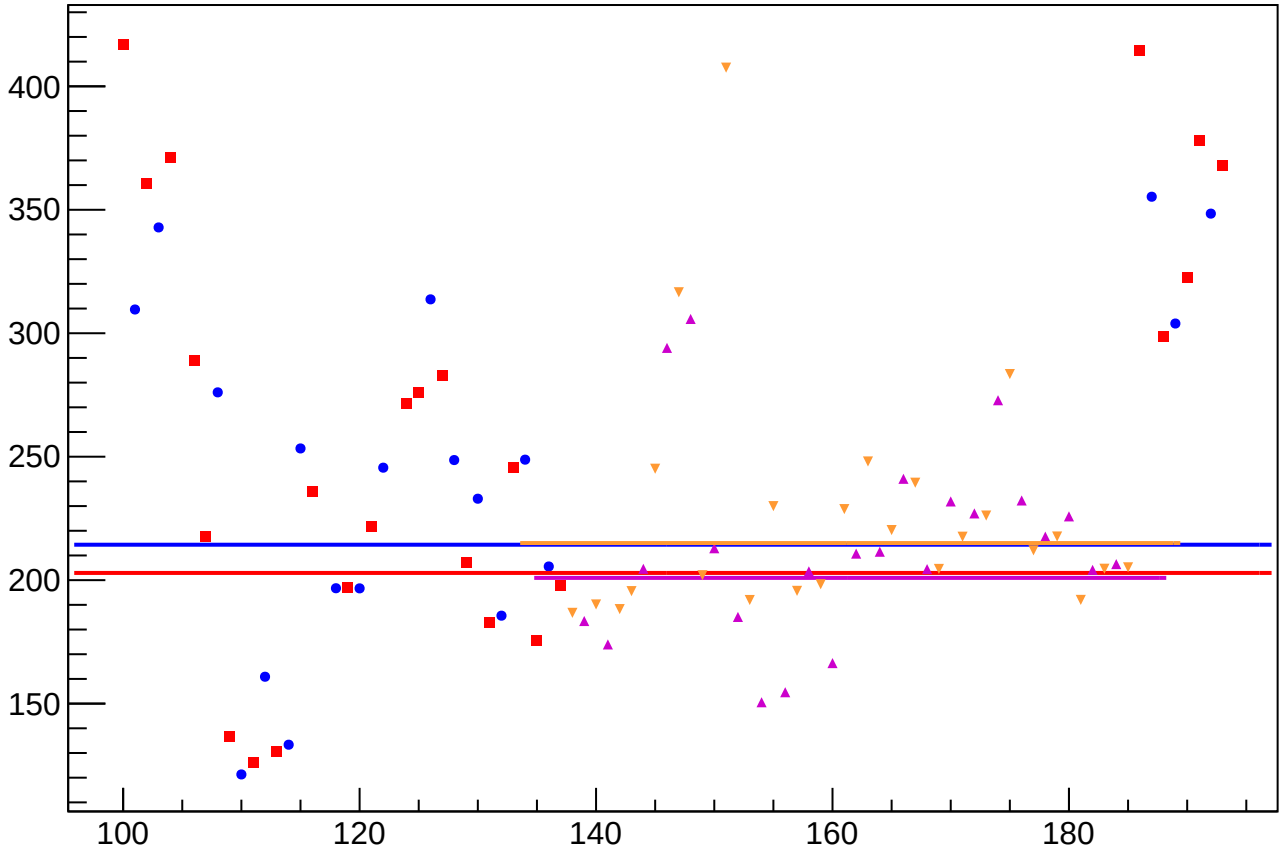
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 410.807+/-41.812 χ^2/NDF: 3196.6/43

All: 58.663+/-28.761 χ^2/NDF: 8046.4/90

- sign -257.612+/-39.625 χ^2/NDF: 4715.1/46

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: 202.923+/-0.049 χ^2/NDF: 2503605.3/23

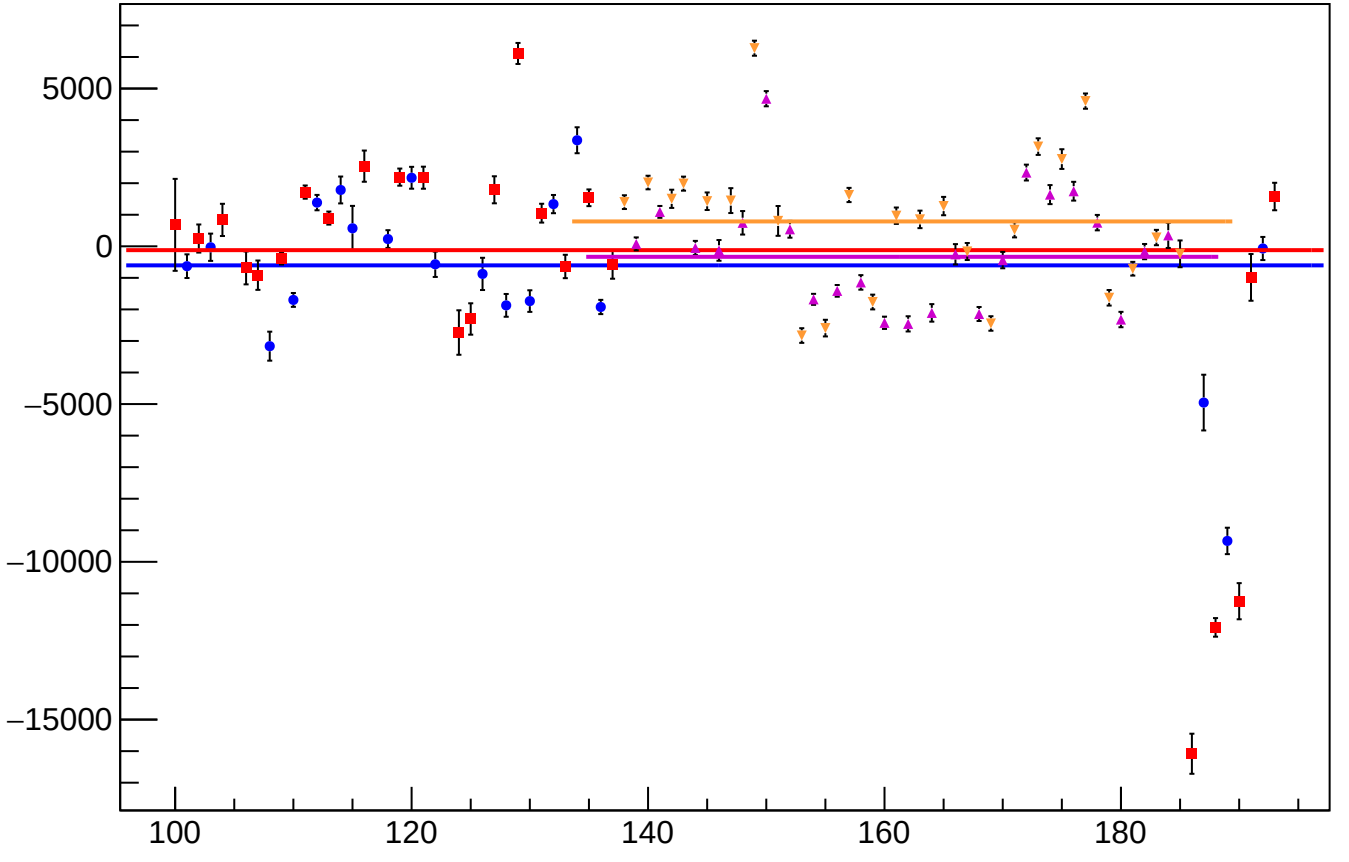
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 214.824+/-0.030 χ^2/NDF: 2447798.2/43

All: 207.848+/-0.020 χ^2/NDF: 6164078.9/90

- sign 201.581+/-0.028 χ^2/NDF: 3610583.6/46

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: -122.012+/-71.173 χ^2/NDF: 3388.1/23

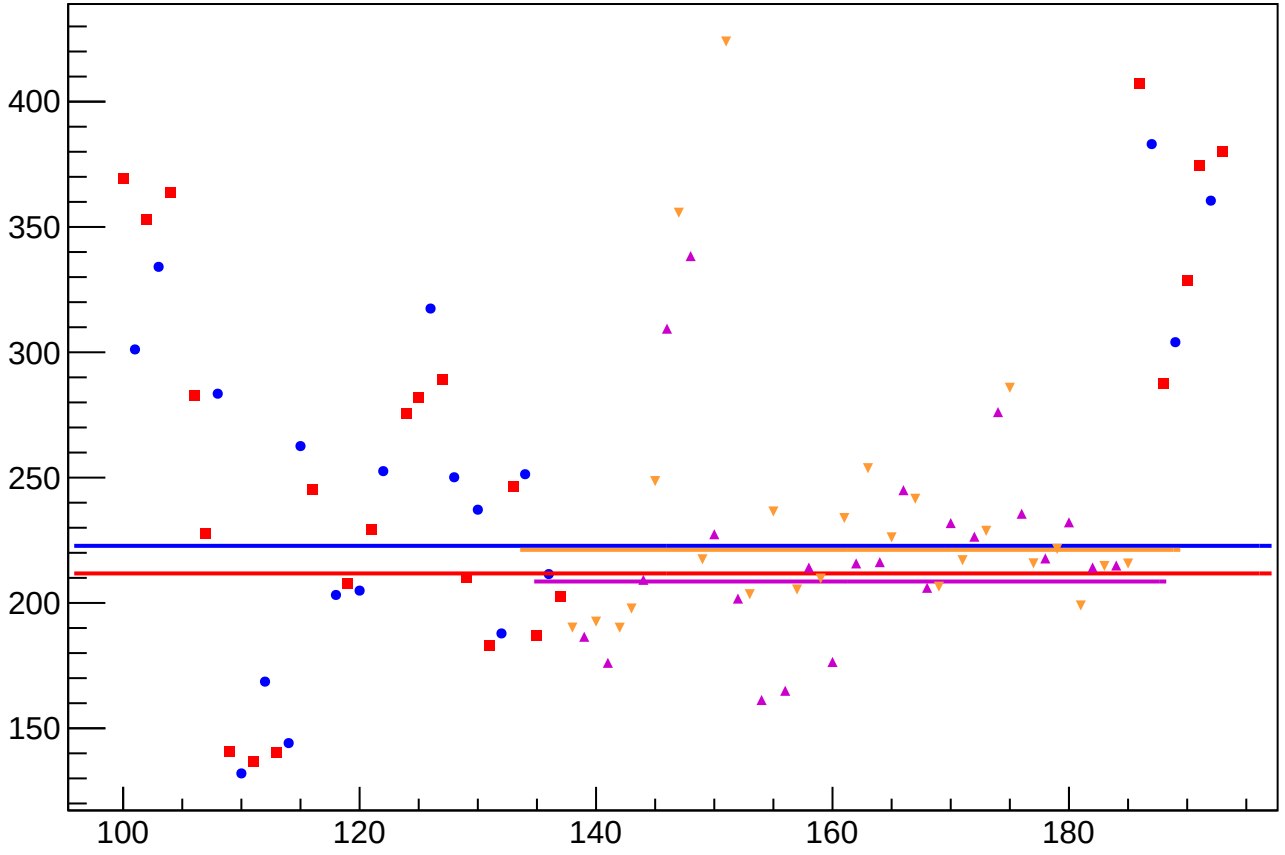
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 371.615+/-43.051 χ^2/NDF: 2998.1/43

All: 38.915+/-29.698 χ^2/NDF: 7721.3/90

- sign -263.120+/-41.020 χ^2/NDF: 4609.2/46

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: 211.776+/-0.050 χ^2/NDF: 2181192.0/23

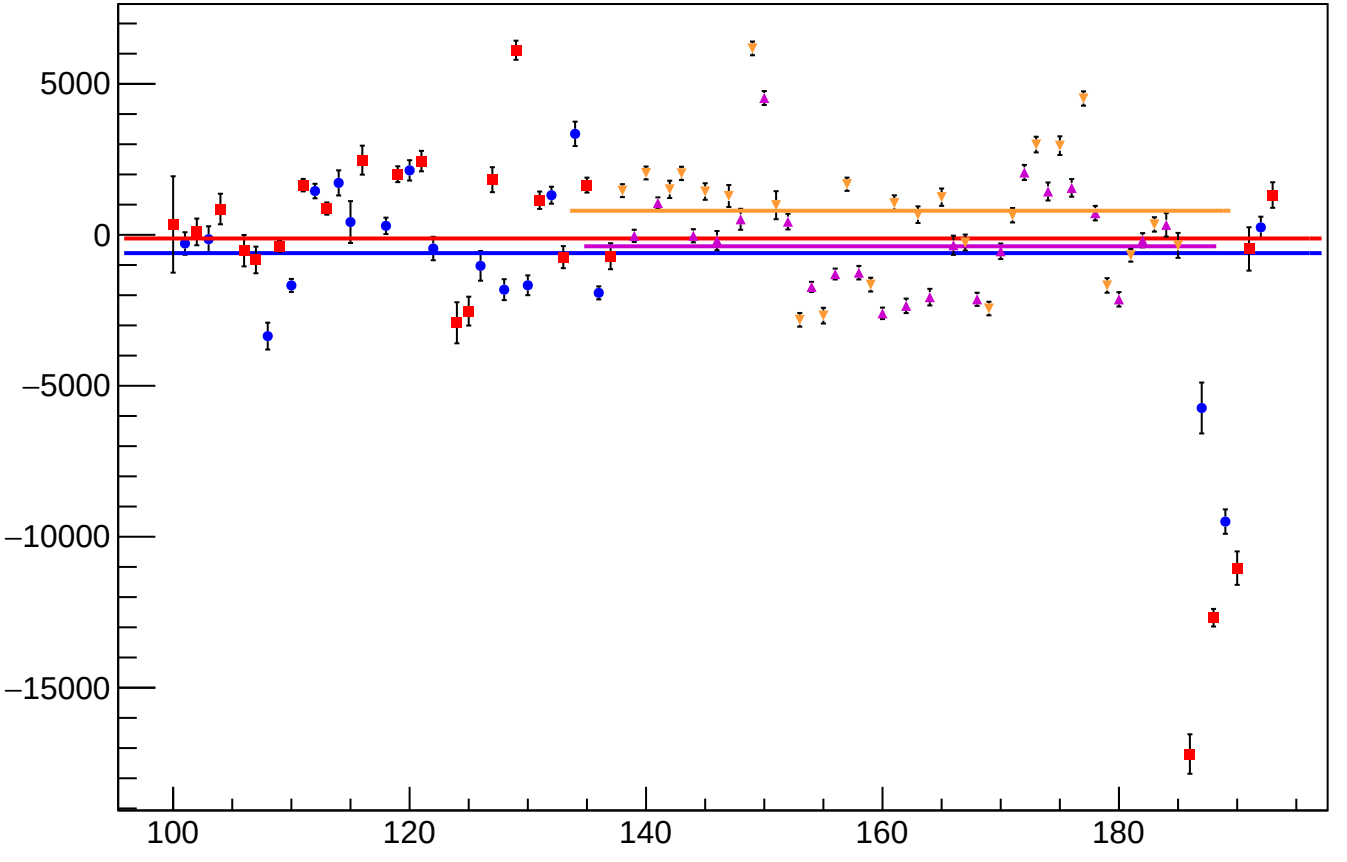
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 221.663+/-0.030 χ^2/NDF: 2287165.9/43

All: 215.354+/-0.021 χ^2/NDF: 5588686.3/90

- sign 209.626+/-0.029 χ^2/NDF: 3219564.4/46

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: -120.412+/-68.896 χ^2/NDF: 3719.2/23

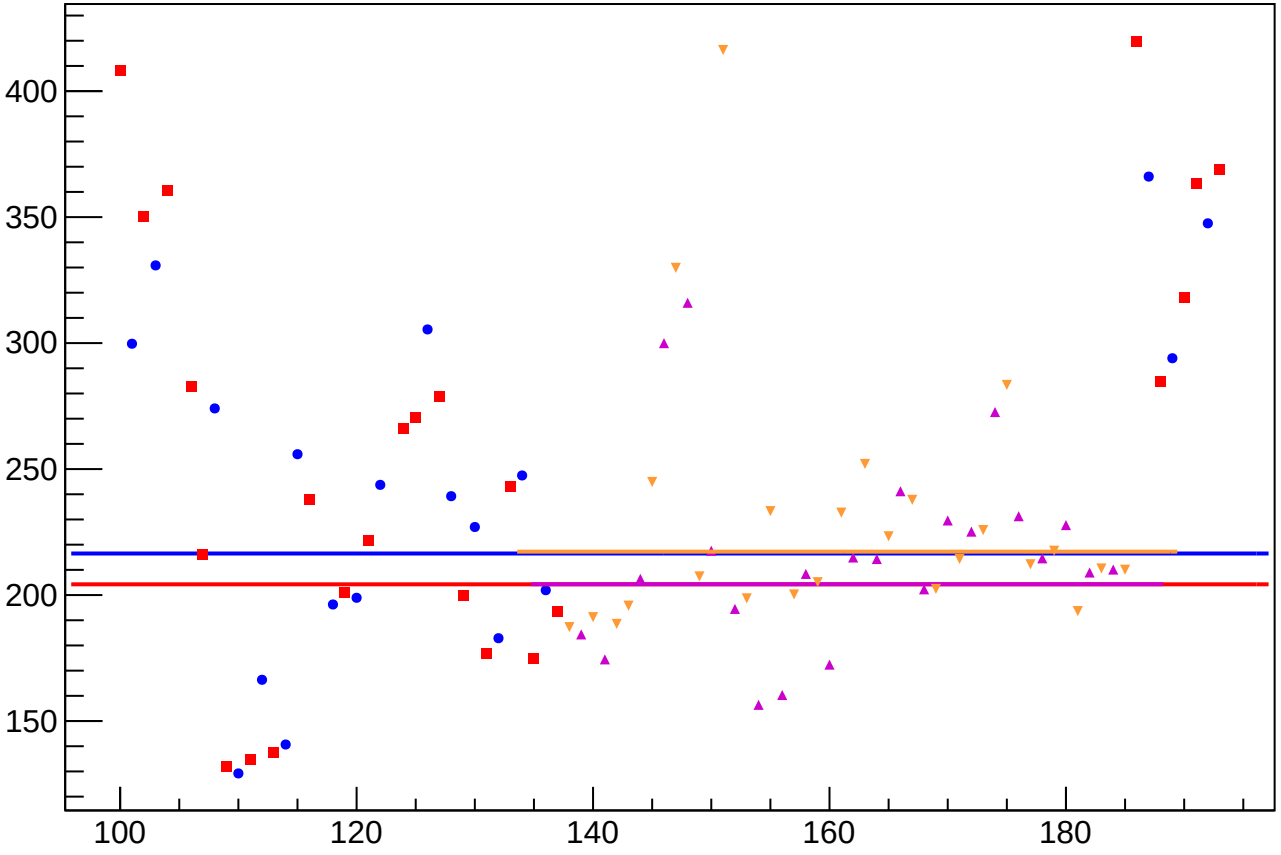
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 371.637+/-42.141 χ^2/NDF: 3171.7/43

All: 22.730+/-29.023 χ^2/NDF: 8231.9/90

- sign -292.087+/-40.030 χ^2/NDF: 4929.8/46

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: 204.262+/-0.049 χ^2/NDF: 2292123.7/23

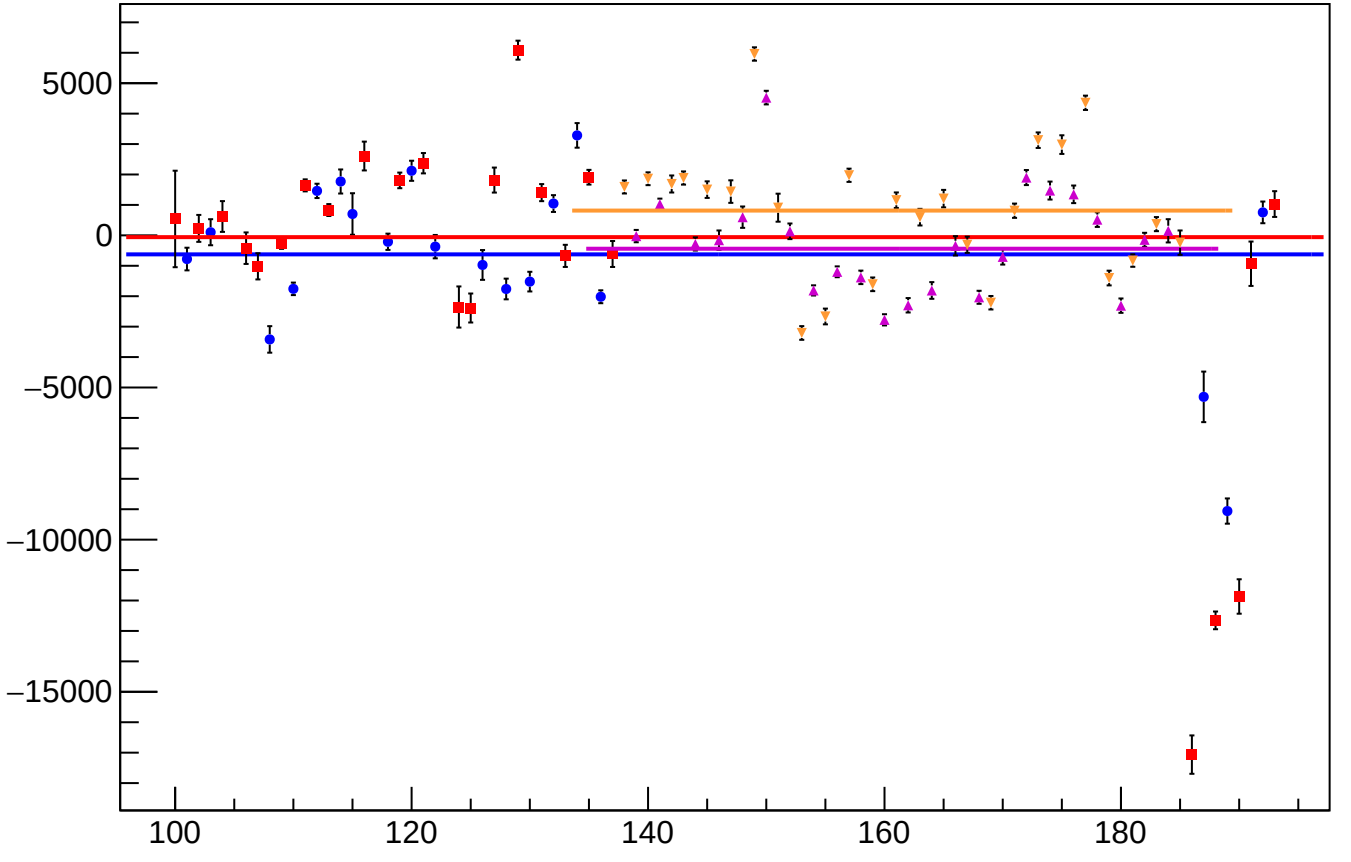
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 217.002+/-0.030 χ^2/NDF: 2237920.8/43

All: 210.321+/-0.021 χ^2/NDF: 5640727.8/90

- sign 204.293+/-0.028 χ^2/NDF: 3307173.3/46

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: -58.857+/-67.375 χ^2/NDF: 3825.7/23

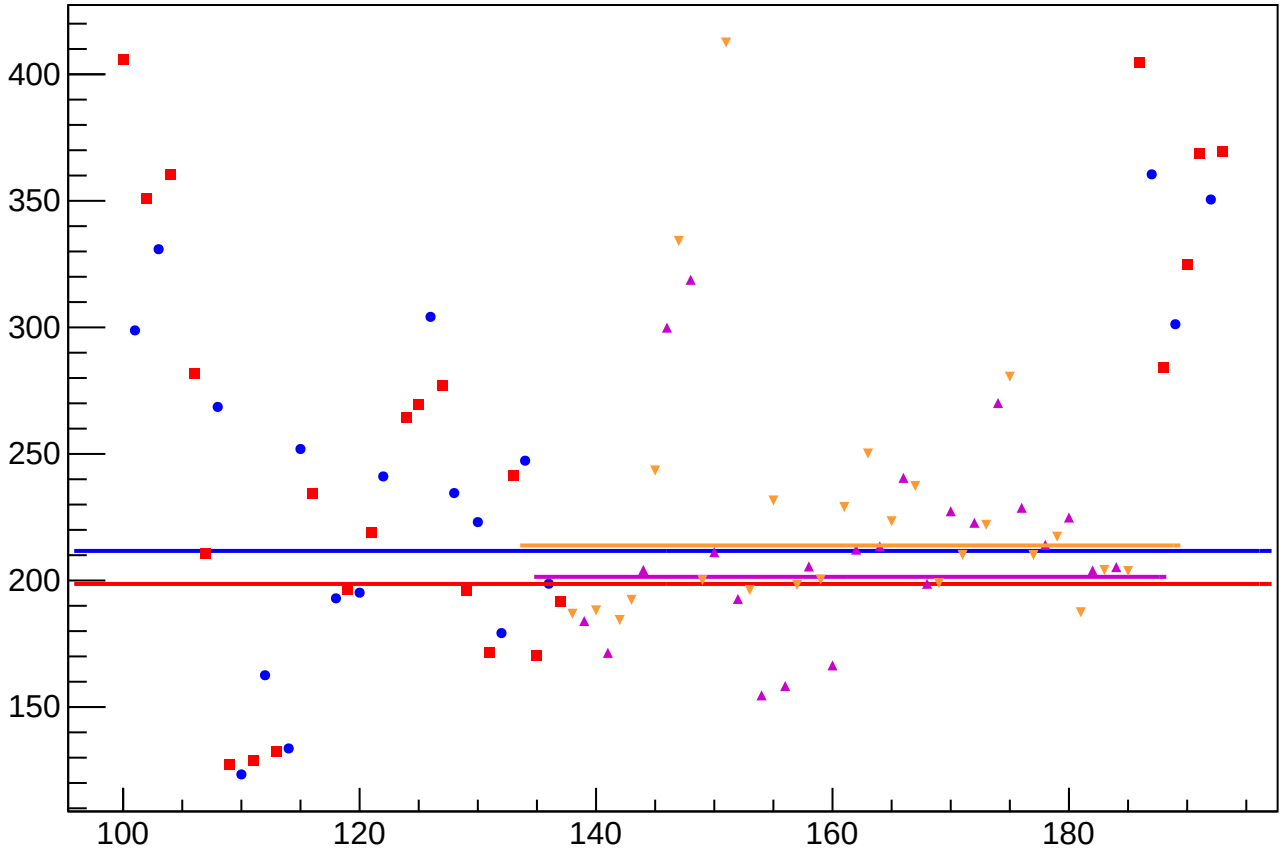
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 375.513+/-41.487 χ^2/NDF: 3173.6/43

All: 15.145+/-28.562 χ^2/NDF: 8398.8/90

- sign -309.569+/-39.381 χ^2/NDF: 5081.7/46

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: 198.637+/-0.048 χ^2/NDF: 2470581.5/23

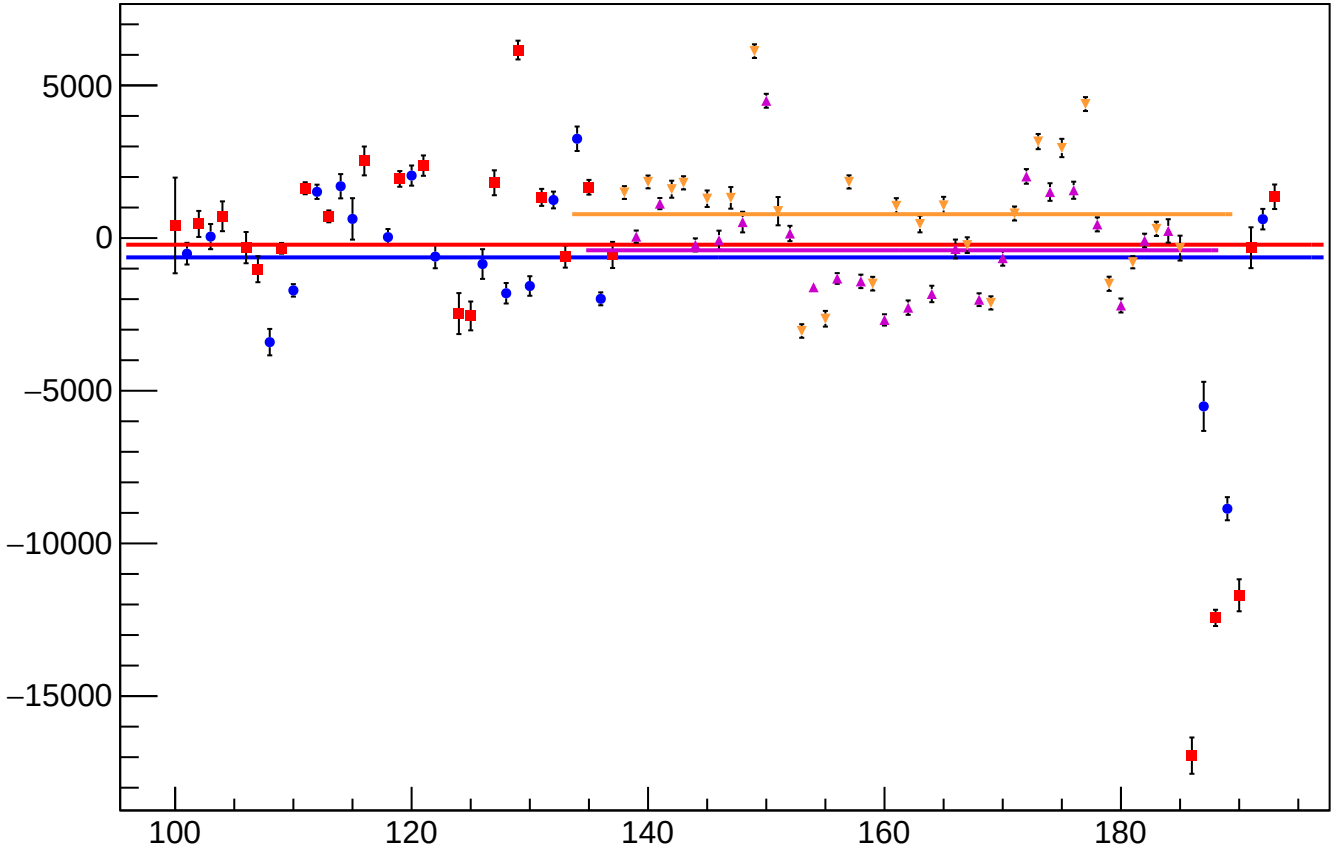
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 213.189+/-0.029 χ^2/NDF: 2425900.1/43

All: 206.507+/-0.020 χ^2/NDF: 6059381.6/90

- sign 200.486+/-0.028 χ^2/NDF: 3534841.3/46

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: -217.269+/-66.176 χ^2/NDF: 4259.9/23

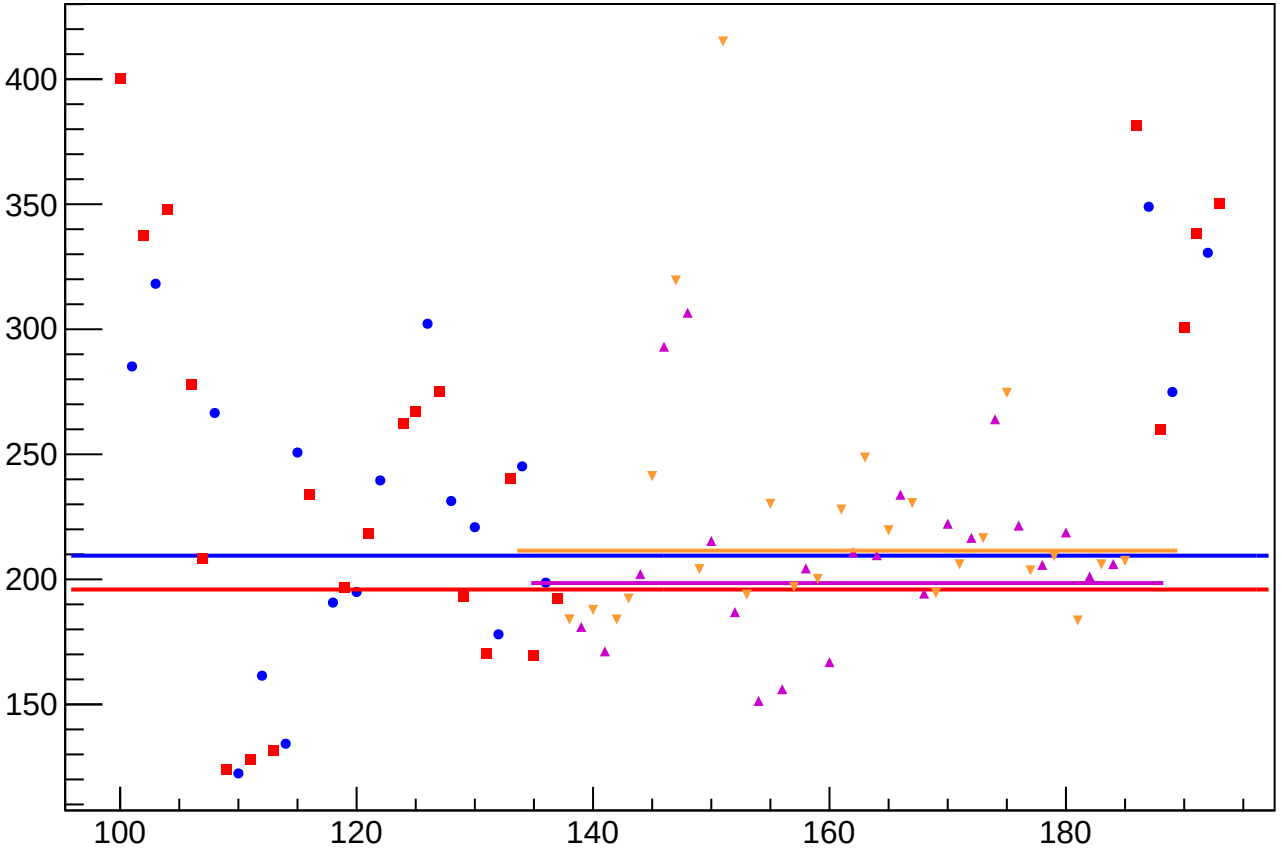
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 349.304+/-40.981 χ^2/NDF: 3246.8/43

All: -13.062+/-28.160 χ^2/NDF: 8891.8/90

- sign -337.184+/-38.759 χ^2/NDF: 5496.9/46

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: 195.942+/-0.047 χ^2/NDF: 2306522.6/23

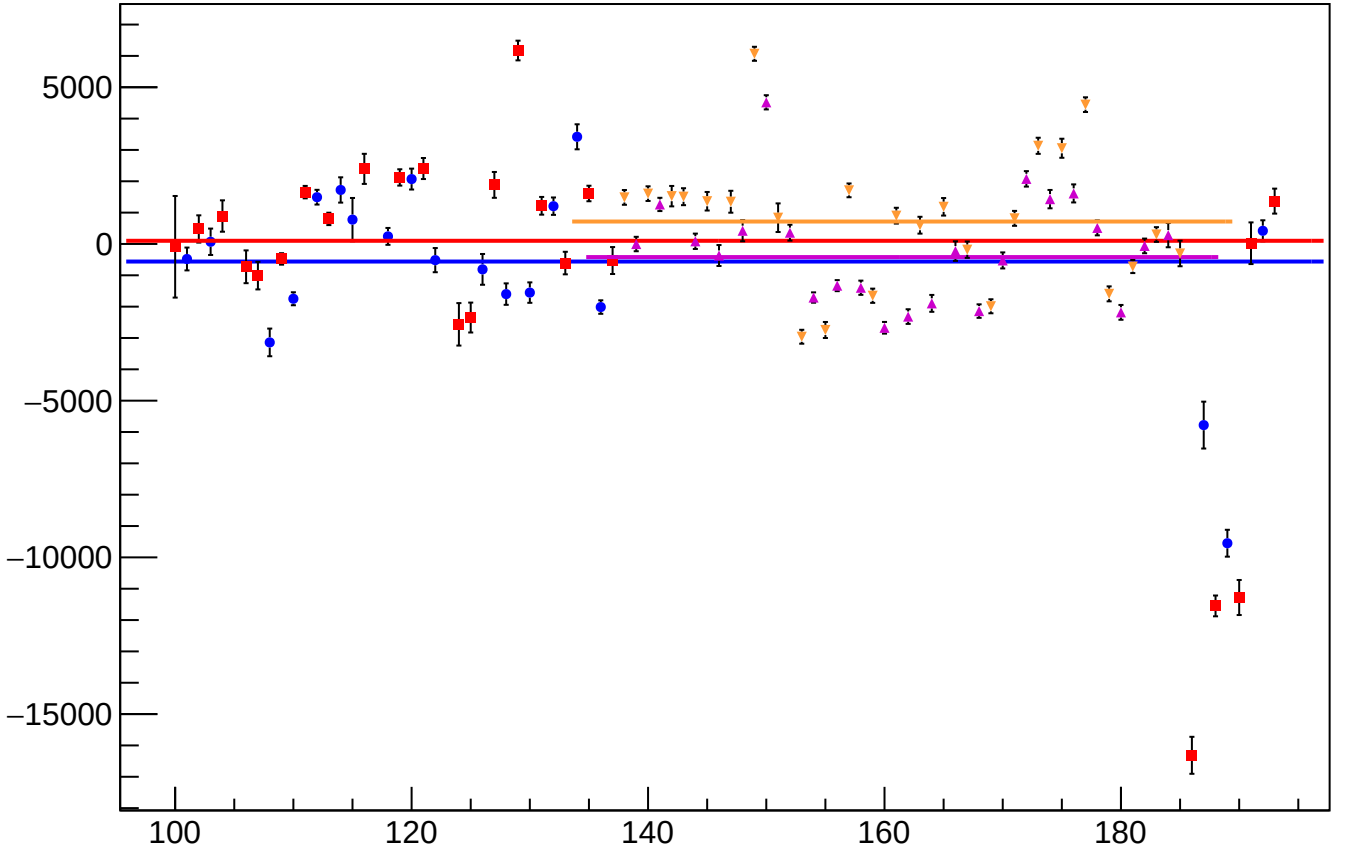
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 210.878+/-0.029 χ^2/NDF: 2265216.0/43

All: 203.889+/-0.020 χ^2/NDF: 5690373.8/90

- sign 197.639+/-0.027 χ^2/NDF: 3314982.3/46

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: 101.025+/-68.104 χ^2/NDF: 3149.3/23

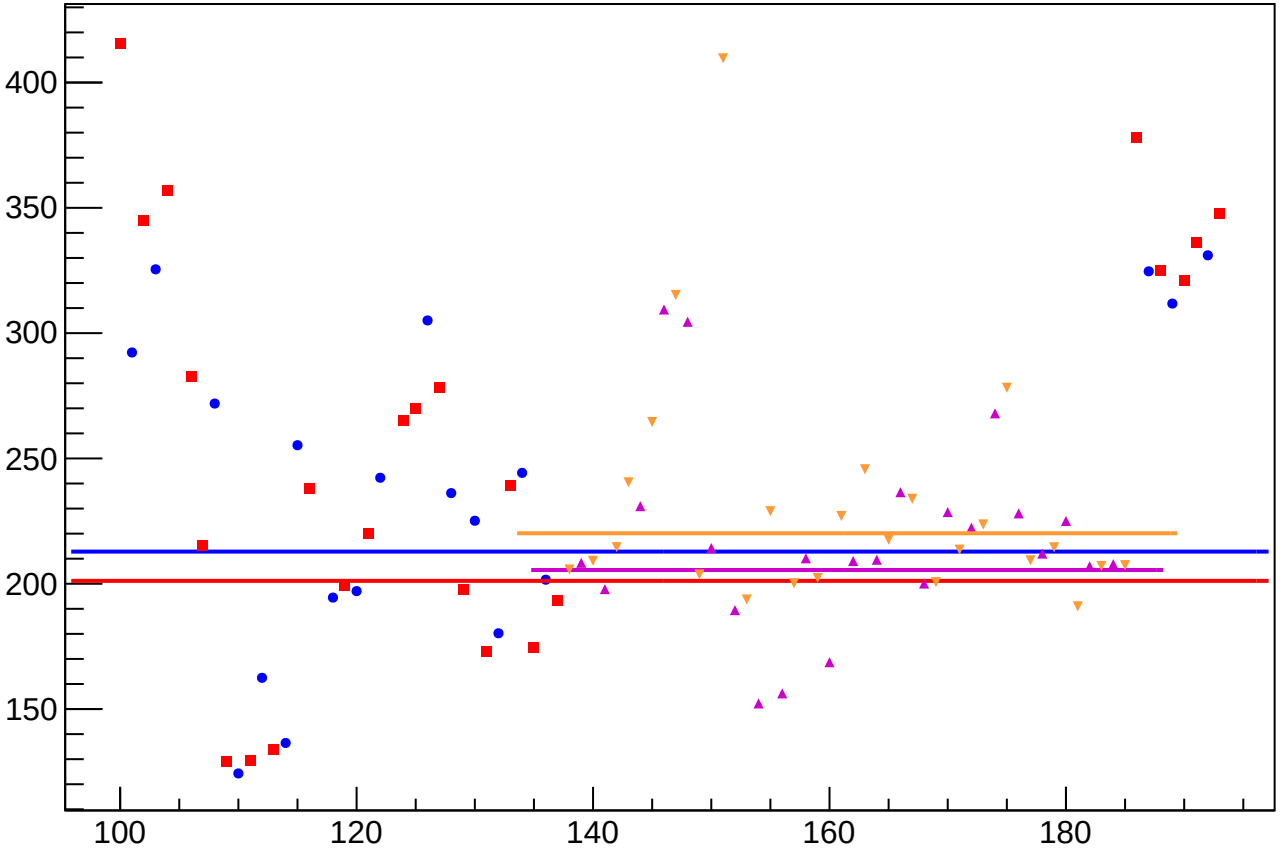
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 312.984+/-42.288 χ^2/NDF: 3067.8/43

All: 22.101+/-29.080 χ^2/NDF: 7585.9/90

- sign -238.855+/-40.053 χ^2/NDF: 4428.4/46

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: 201.153+/-0.048 χ^2/NDF: 2416851.5/23

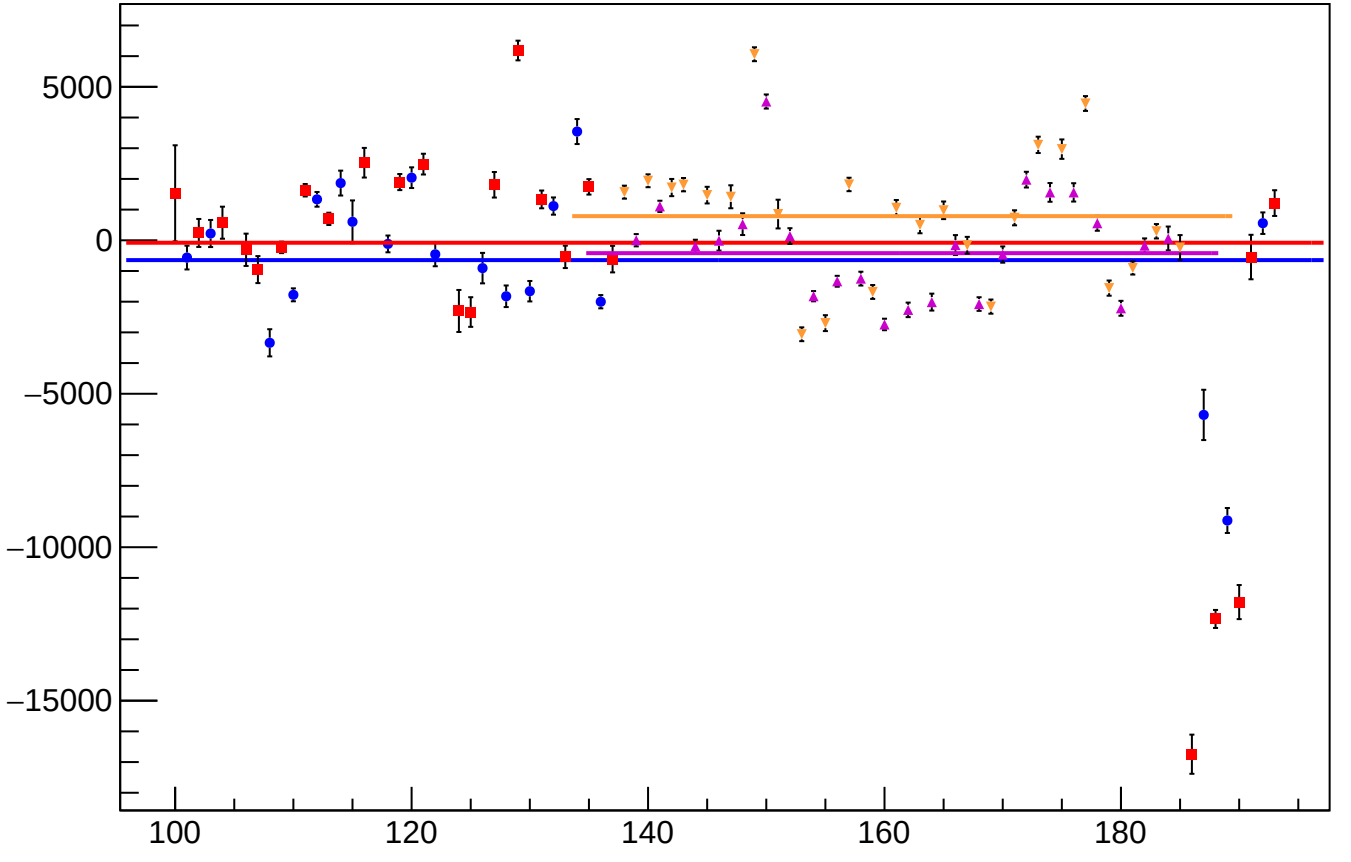
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 217.837+/-0.030 χ^2/NDF: 2174533.6/43

All: 210.535+/-0.021 χ^2/NDF: 5723765.3/90

- sign 203.984+/-0.028 χ^2/NDF: 3436102.3/46

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: -79.326+/-68.925 χ^2/NDF: 3631.7/23

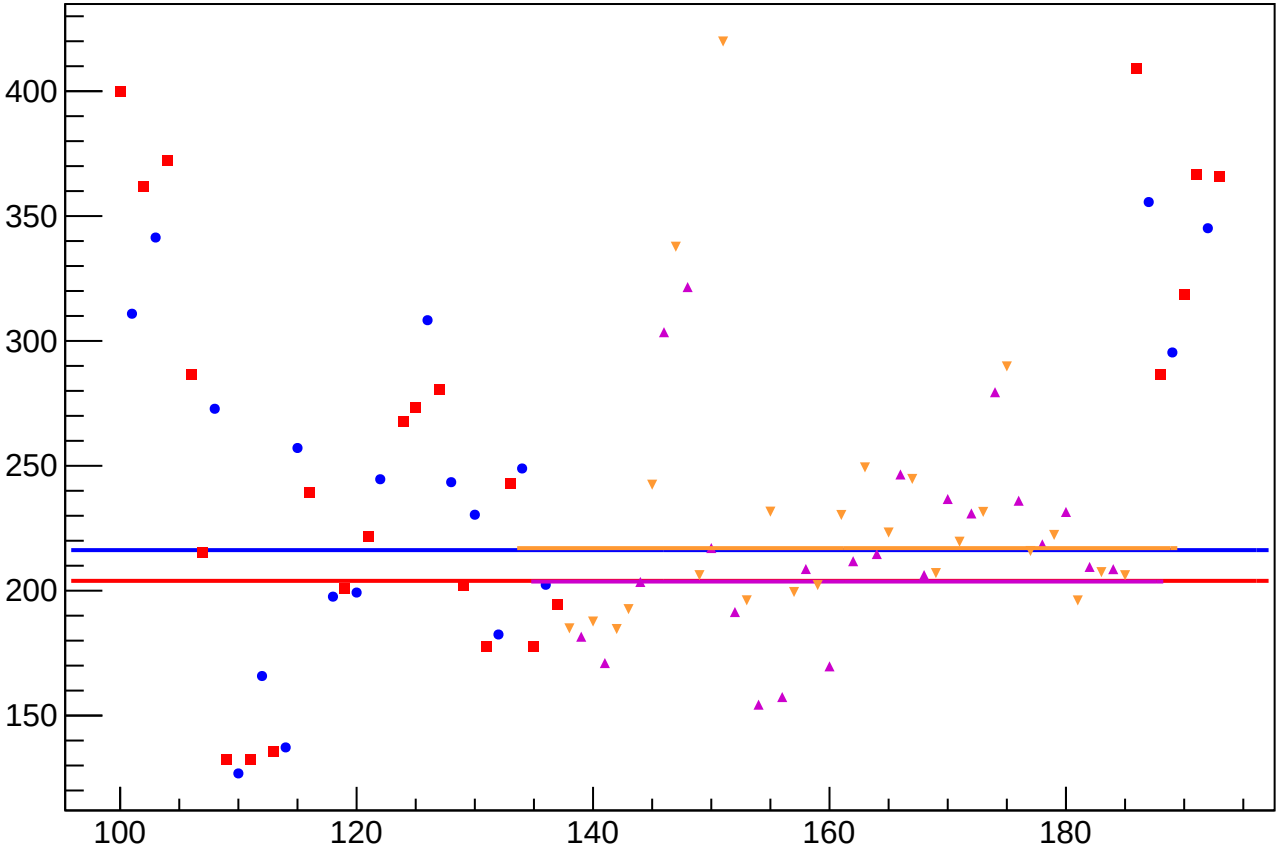
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 352.511+/-42.174 χ^2/NDF: 3117.6/43

All: 6.851+/-29.030 χ^2/NDF: 8104.0/90

- sign -304.378+/-40.019 χ^2/NDF: 4858.7/46

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: 203.936+/-0.049 χ^2/NDF: 2360397.4/23

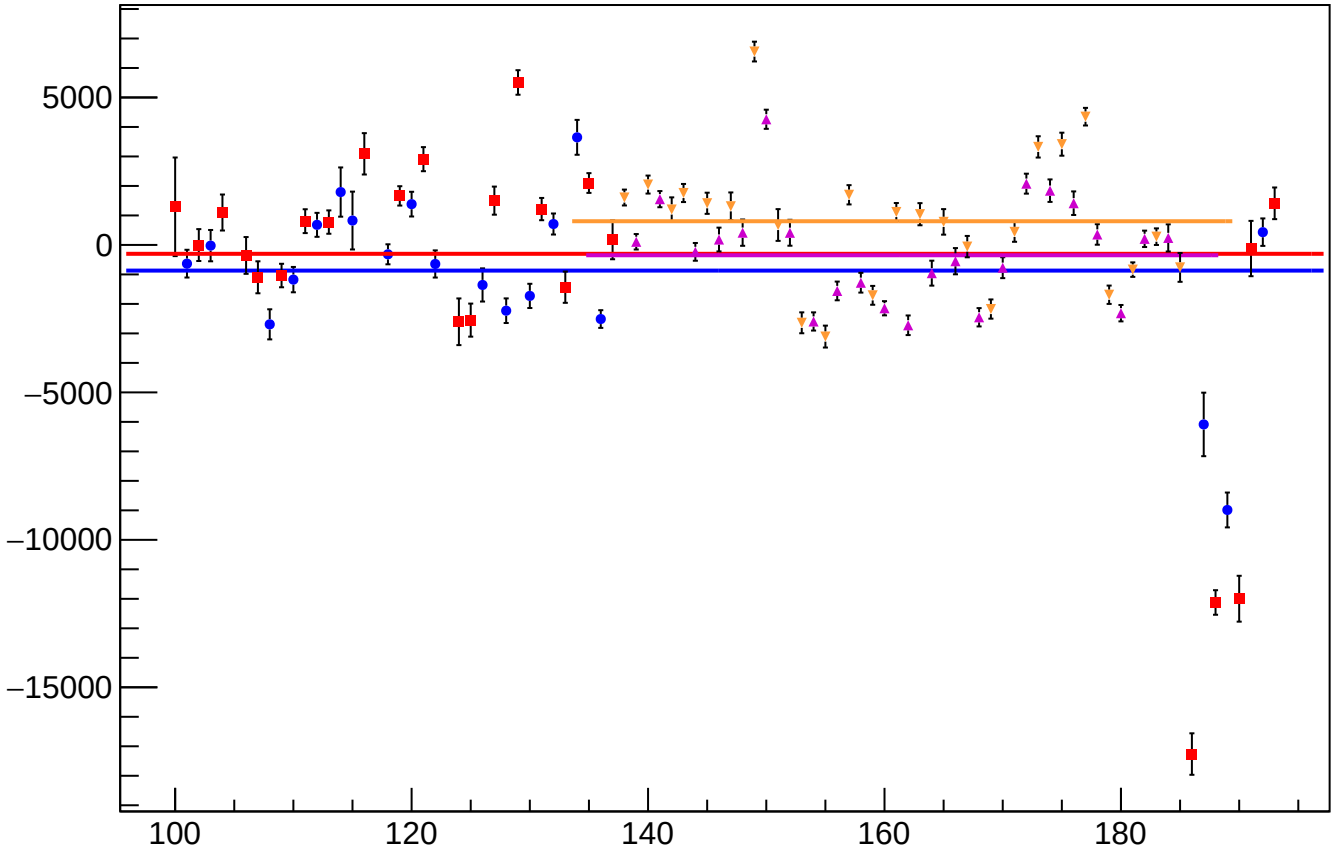
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 216.798+/-0.030 χ^2/NDF: 2388438.3/43

All: 209.933+/-0.021 χ^2/NDF: 6014873.8/90

- sign 203.753+/-0.028 χ^2/NDF: 3525753.5/46

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: -300.965+/-100.319 χ^2/NDF: 2078.4/23

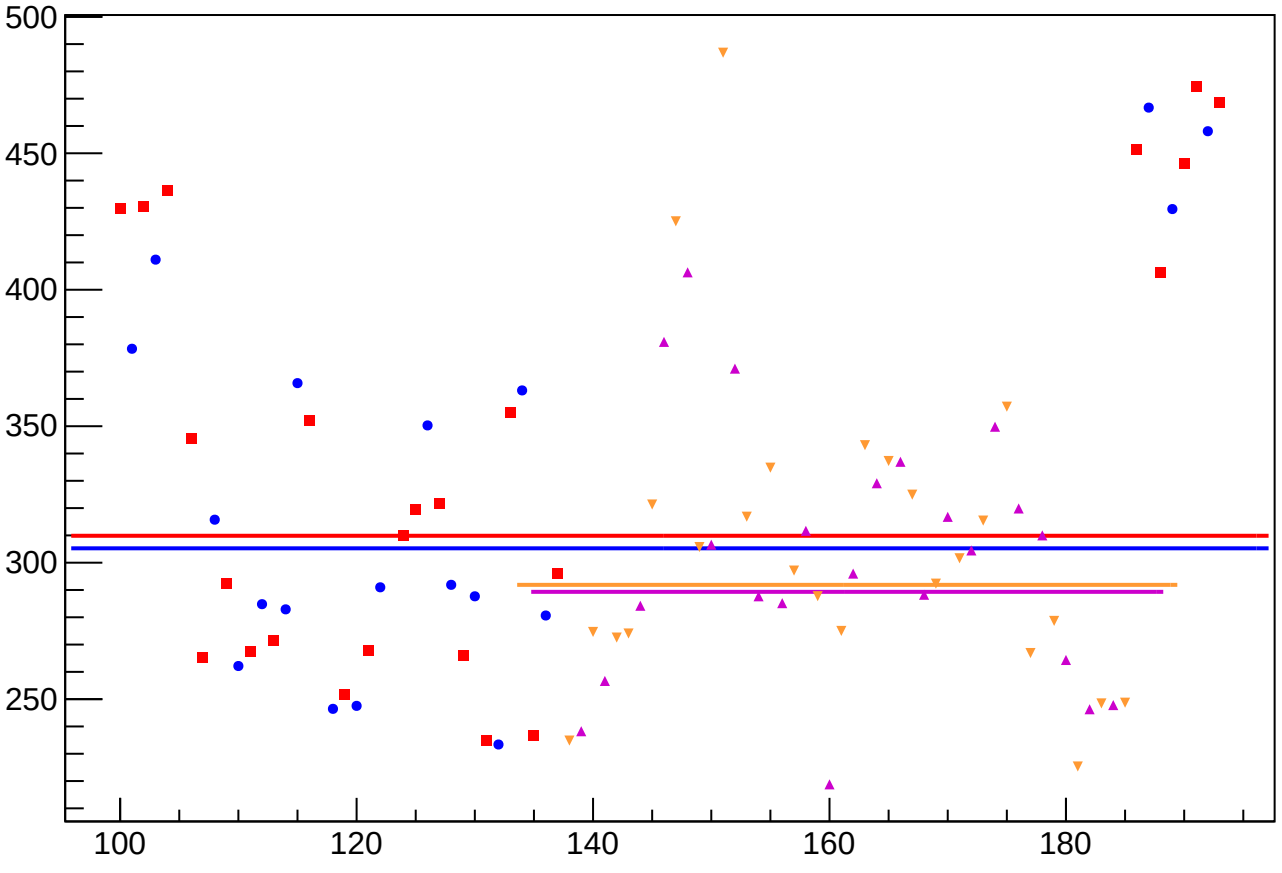
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 315.214+/-56.964 χ^2/NDF: 1655.4/43

All: -10.248+/-40.236 χ^2/NDF: 4455.2/90

- sign -334.322+/-56.842 χ^2/NDF: 2734.6/46

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: 309.863+/-0.071 χ^2/NDF: 1052409.9/23

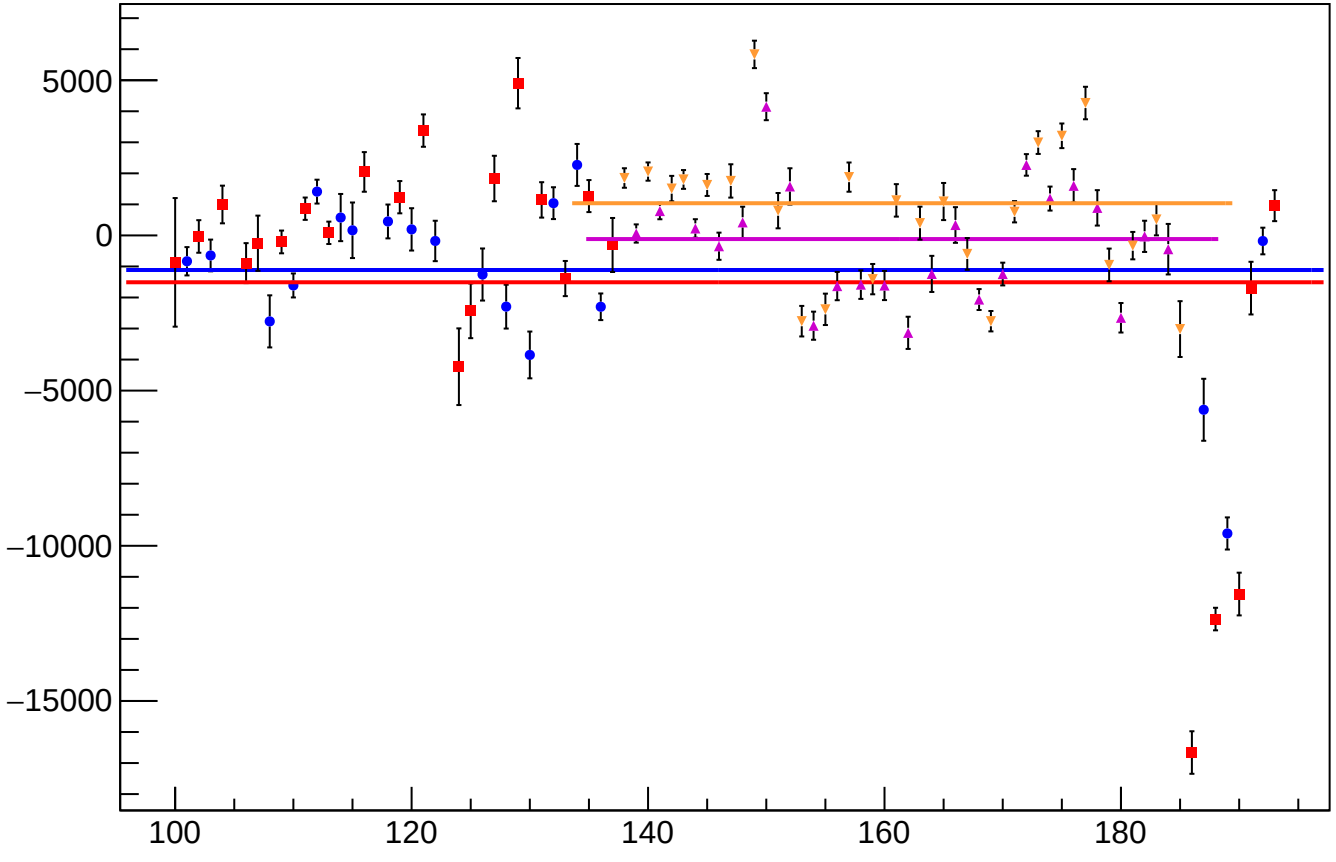
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 295.789+/-0.040 χ^2/NDF: 1726580.0/43

All: 295.852+/-0.028 χ^2/NDF: 3644535.2/90

- sign 295.916+/-0.040 χ^2/NDF: 1917950.3/46

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: -1509.420+/-114.151 χ^2/NDF: 2009.7/23

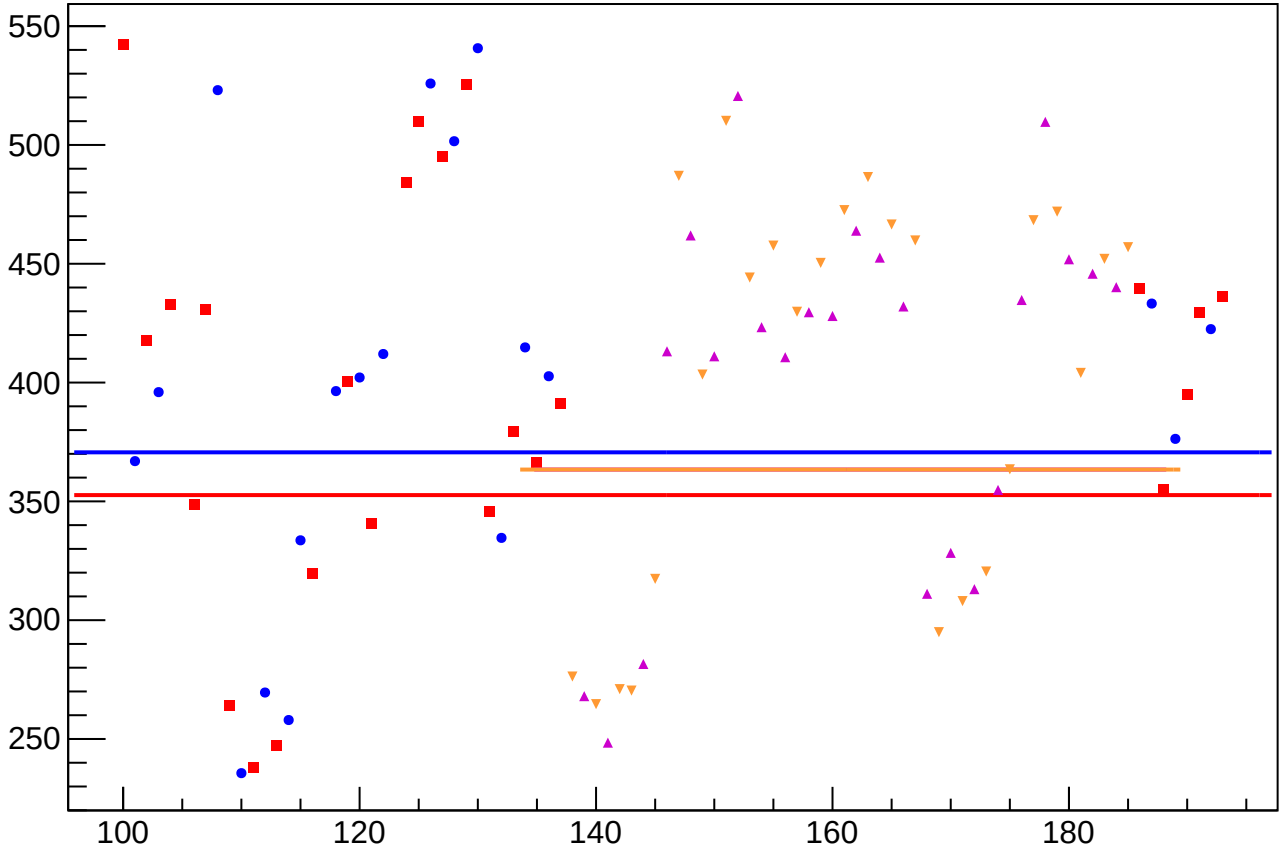
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 375.946+/-70.907 χ^2/NDF: 1197.5/43

All: -138.758+/-49.607 χ^2/NDF: 3774.5/90

- sign -632.187+/-69.426 χ^2/NDF: 2473.8/46

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: 352.640+/-0.081 χ^2/NDF: 986203.7/23

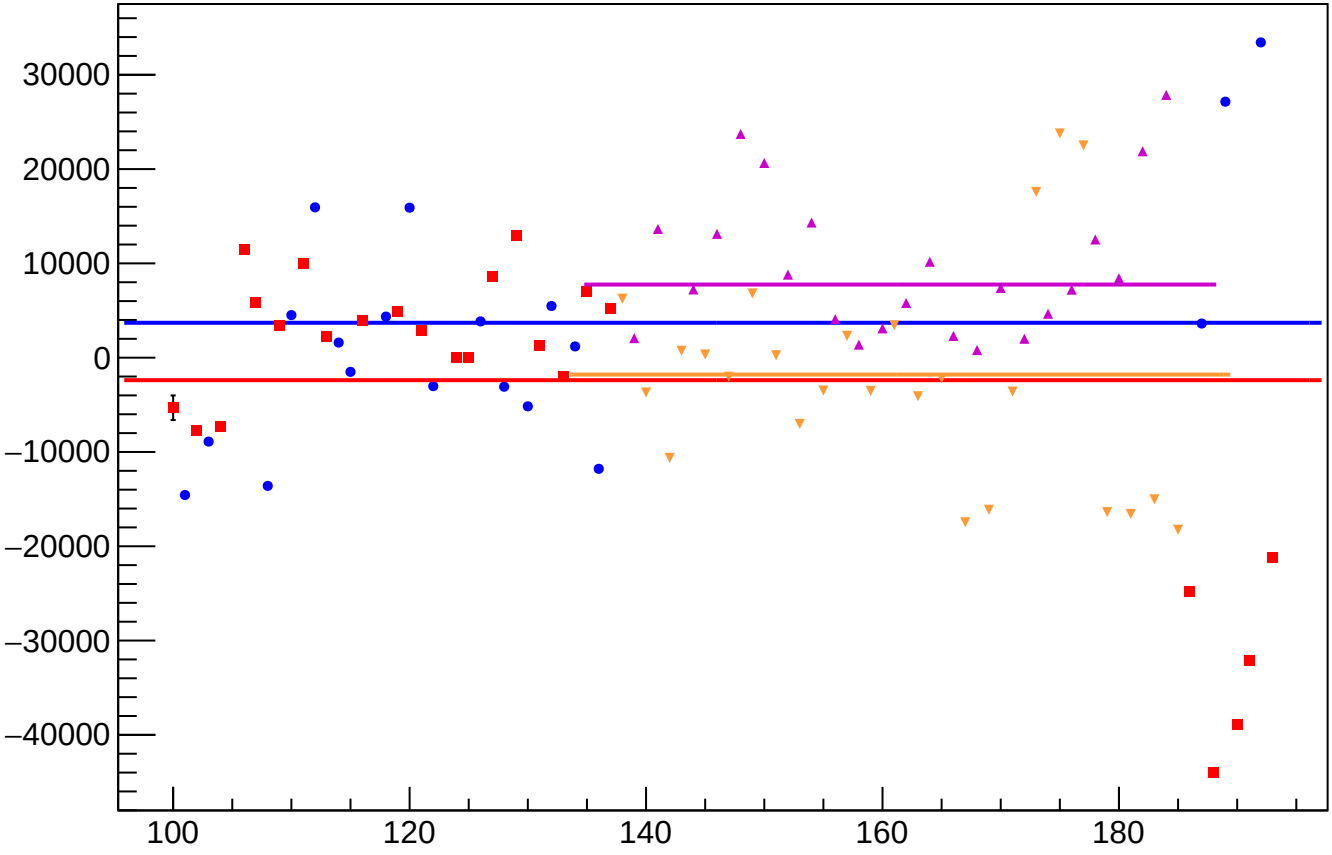
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 365.615+/-0.050 χ^2/NDF: 2768345.9/43

All: 362.448+/-0.035 χ^2/NDF: 5485133.5/90

- sign 359.411+/-0.049 χ^2/NDF: 2708971.3/46

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: -2386.540+/-46.978 χ^2/NDF: 114624.9/23

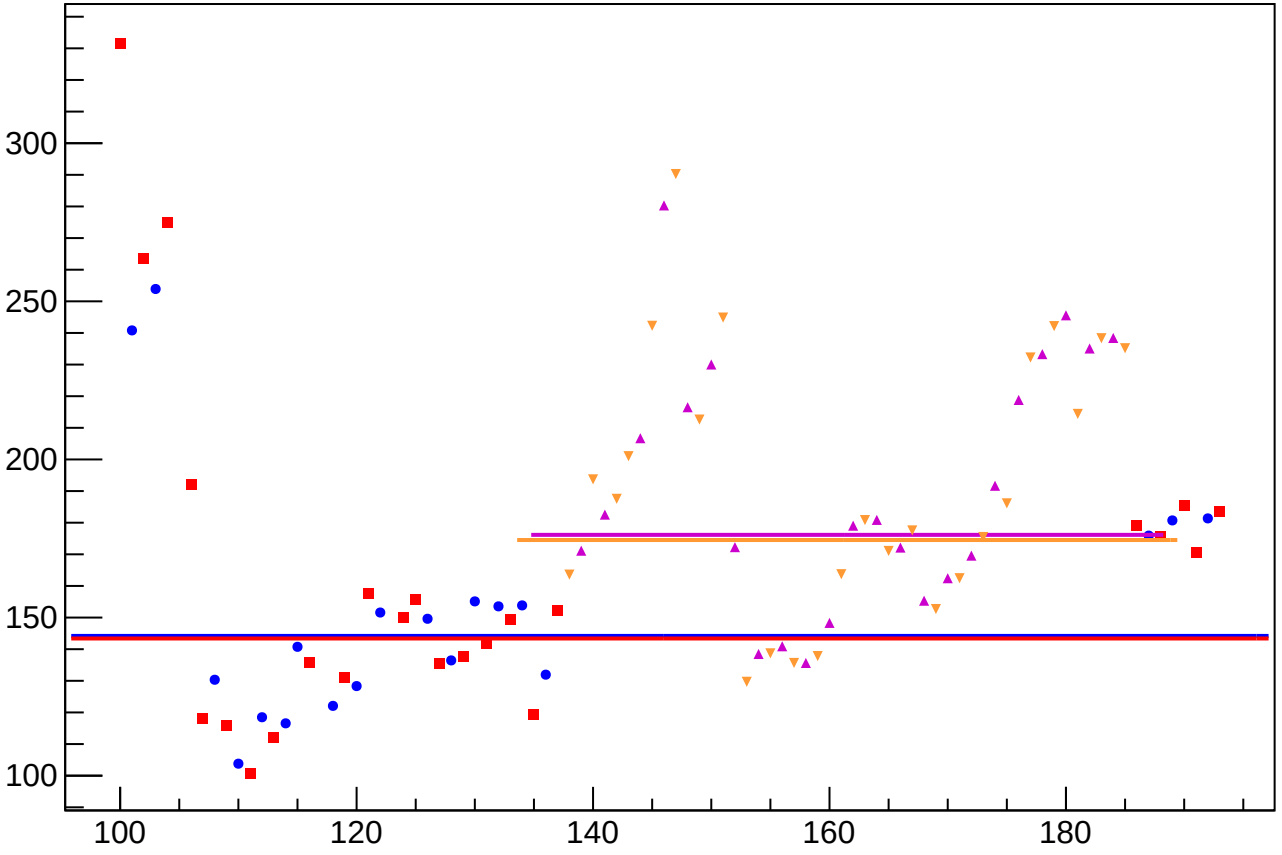
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 384.749+/-31.793 χ^2/NDF: 142935.0/43

All: 1794.190+/-22.393 χ^2/NDF: 310325.3/90

- sign 3181.785+/-31.545 χ^2/NDF: 163490.1/46

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: 143.383+/-0.033 χ^2/NDF: 1154875.3/23

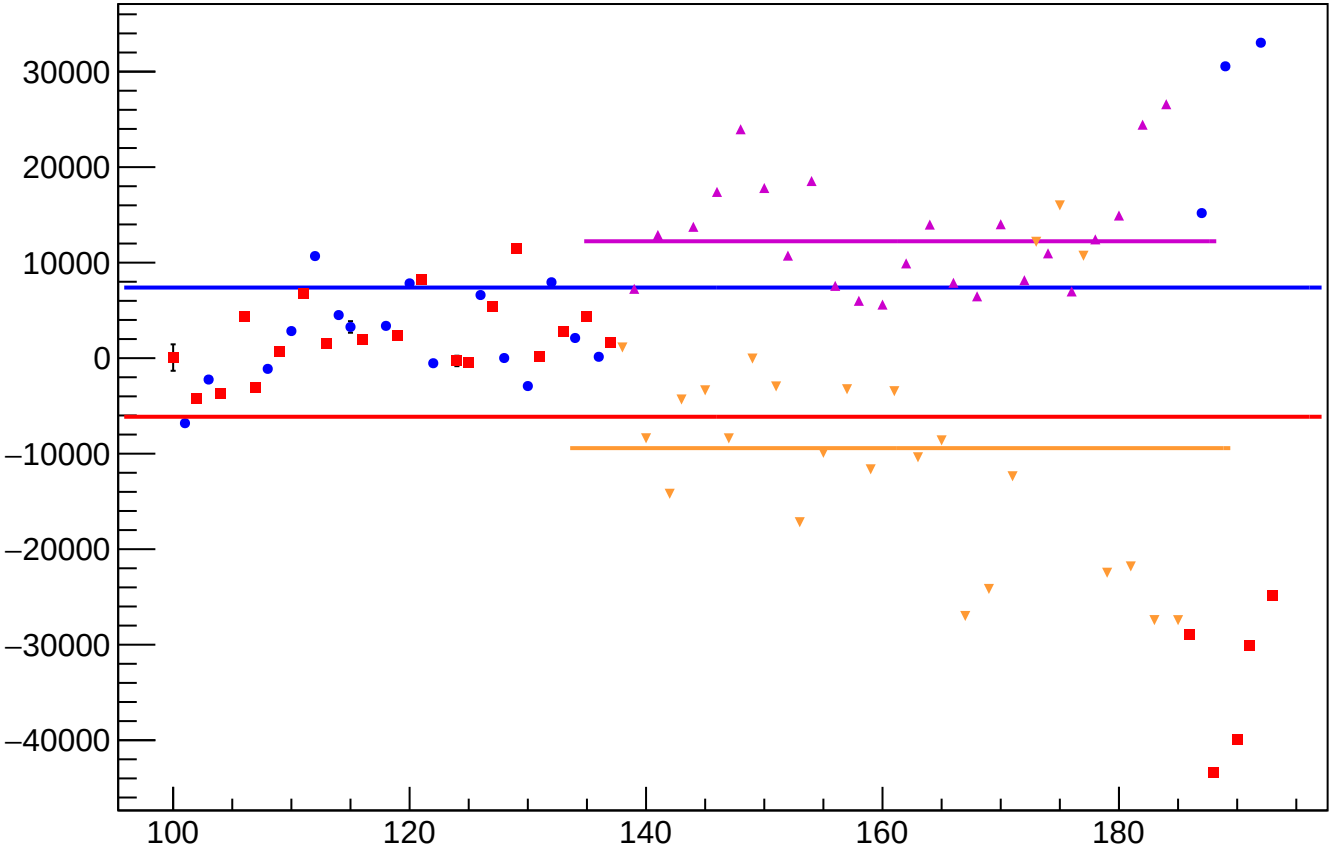
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 162.510+/-0.022 χ^2/NDF: 2908876.9/43

All: 161.940+/-0.016 χ^2/NDF: 5966504.7/90

- sign 161.378+/-0.022 χ^2/NDF: 3056348.2/46

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: -6135.189+/-56.918 χ^2/NDF: 90589.6/23

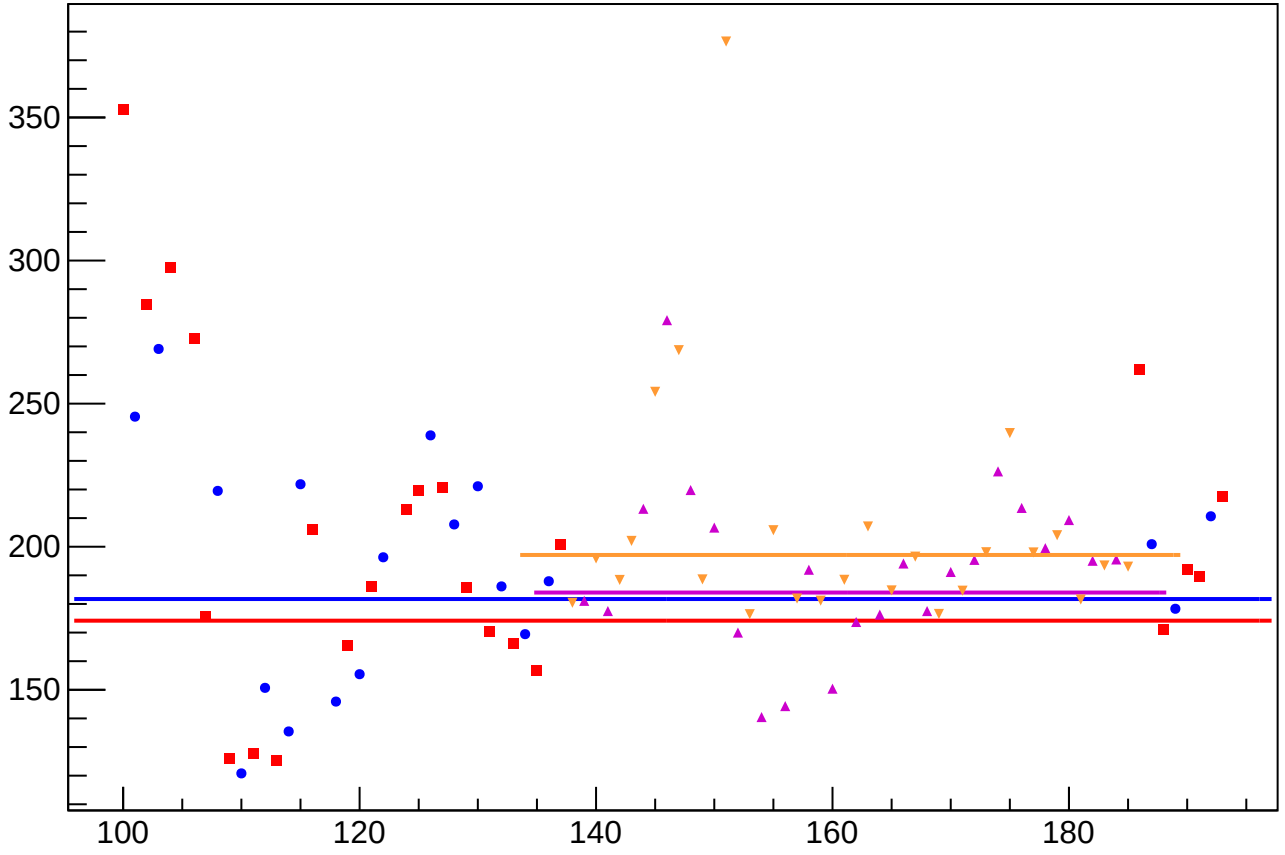
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -3632.122+/-37.005 χ^2/NDF: 143396.5/43

All: 1108.914+/-25.393 χ^2/NDF: 346034.2/90

- sign 5327.682+/-34.908 χ^2/NDF: 171617.5/46

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: 174.158+/-0.040 χ^2/NDF: 1157775.9/23

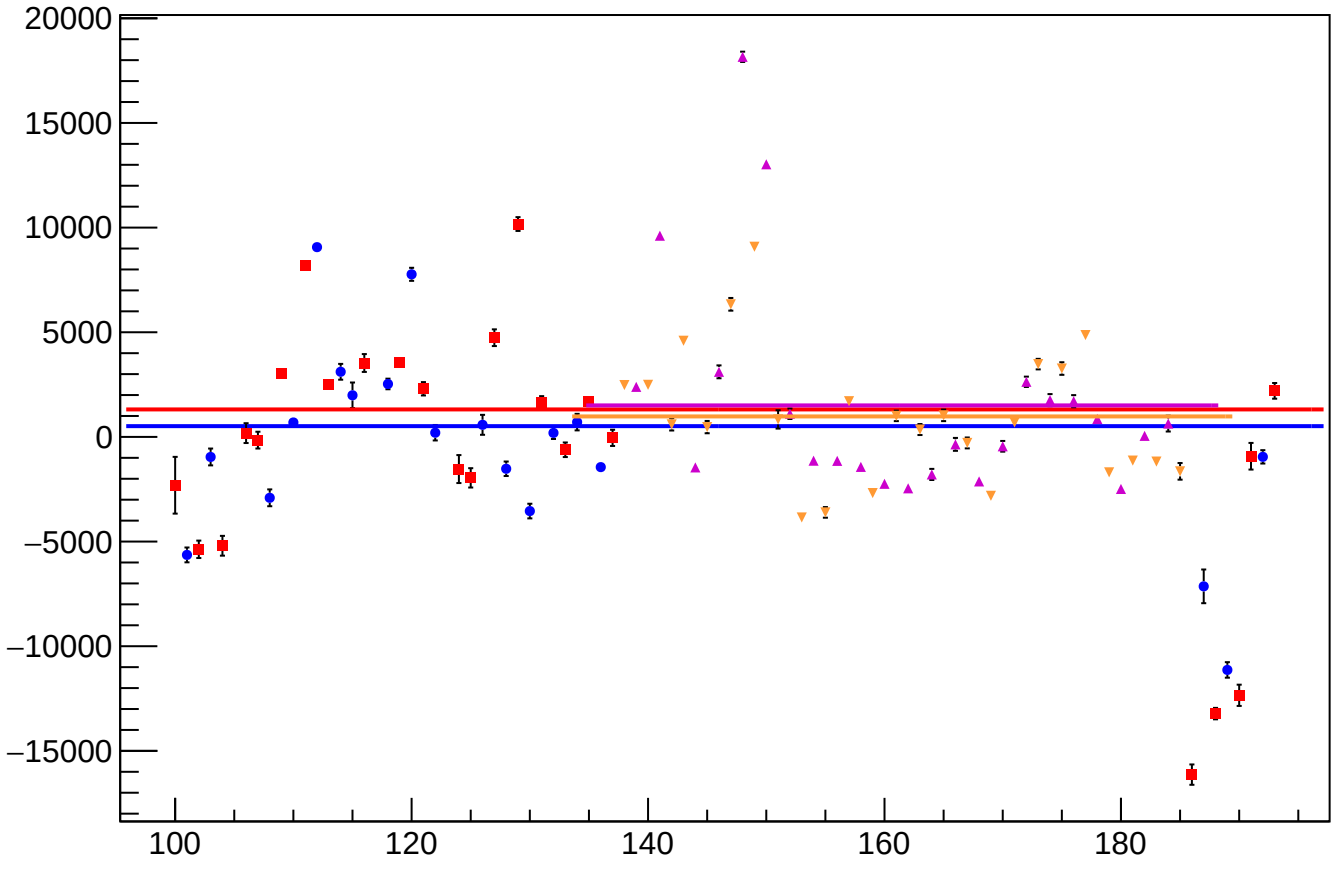
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.820+/-0.026 χ^2/NDF: 1529737.5/43

All: 185.719+/-0.018 χ^2/NDF: 3657253.2/90

- sign 180.289+/-0.025 χ^2/NDF: 2024751.9/46

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: 1313.025+/-64.515 χ^2/NDF: 7796.0/23

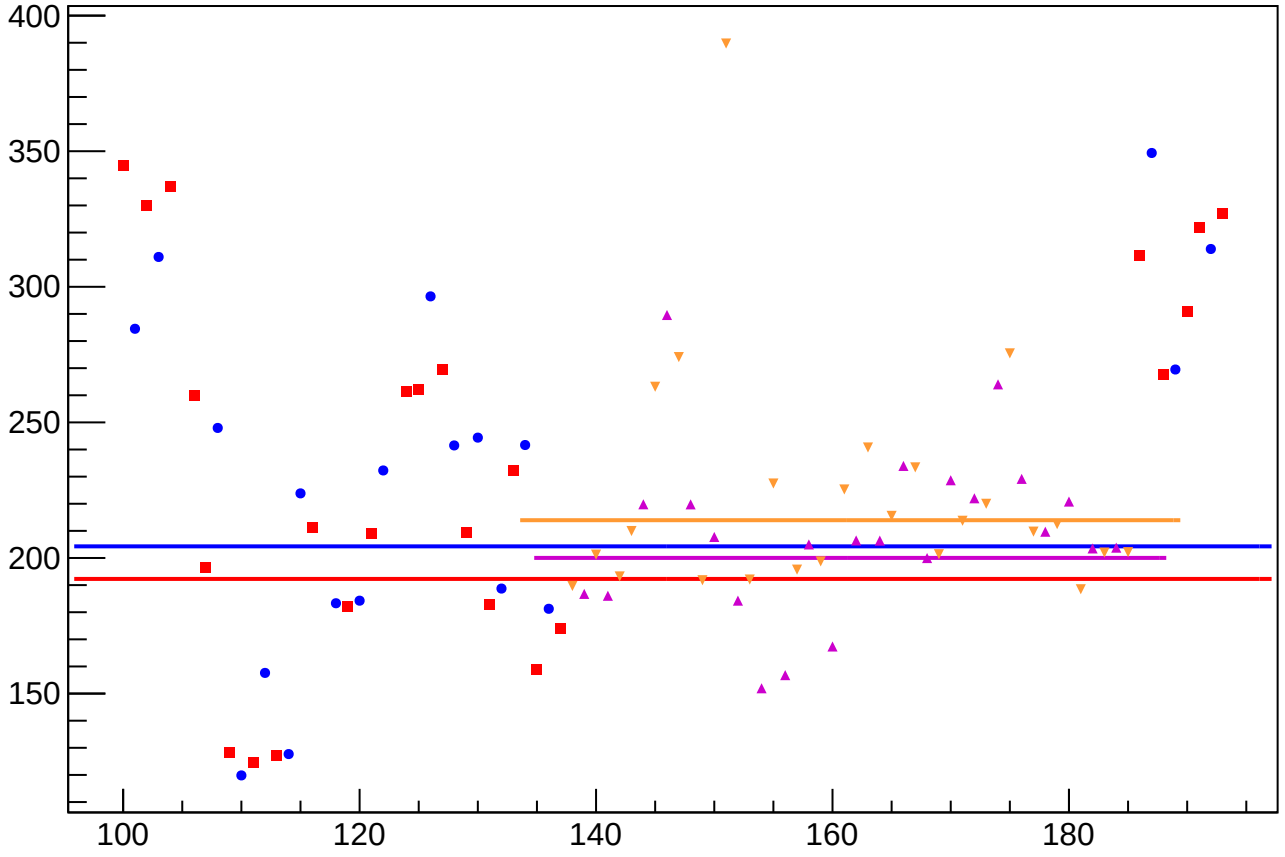
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 829.545+/-40.882 χ^2/NDF: 8174.4/43

All: 1150.966+/-28.042 χ^2/NDF: 27573.4/90

- sign 1436.564+/-38.537 χ^2/NDF: 19282.3/46

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: 192.279+/-0.046 χ^2/NDF: 2144444.9/23

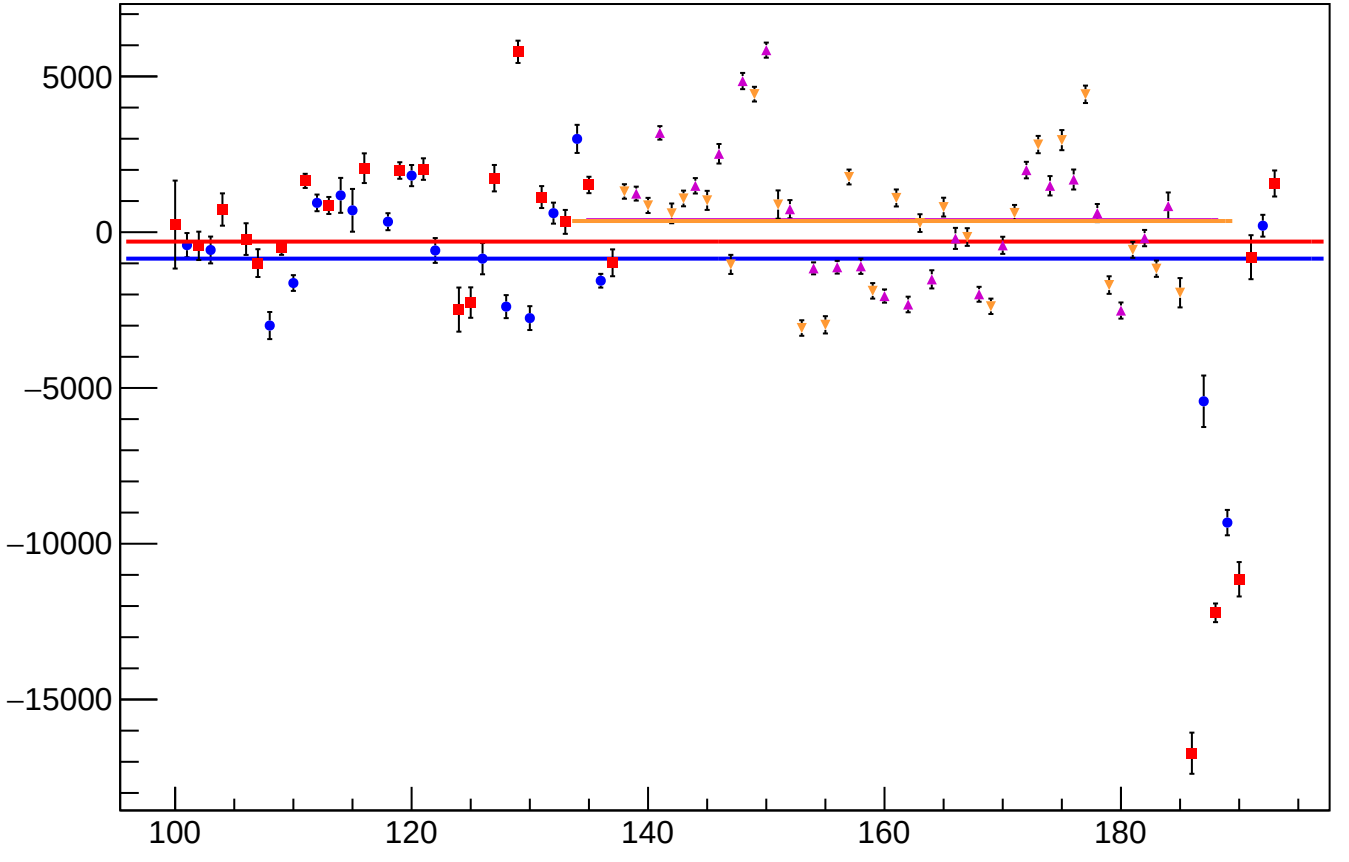
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 210.838+/-0.029 χ^2/NDF: 2122821.2/43

All: 203.651+/-0.020 χ^2/NDF: 5188091.7/90

- sign 197.265+/-0.027 χ^2/NDF: 2948541.7/46

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

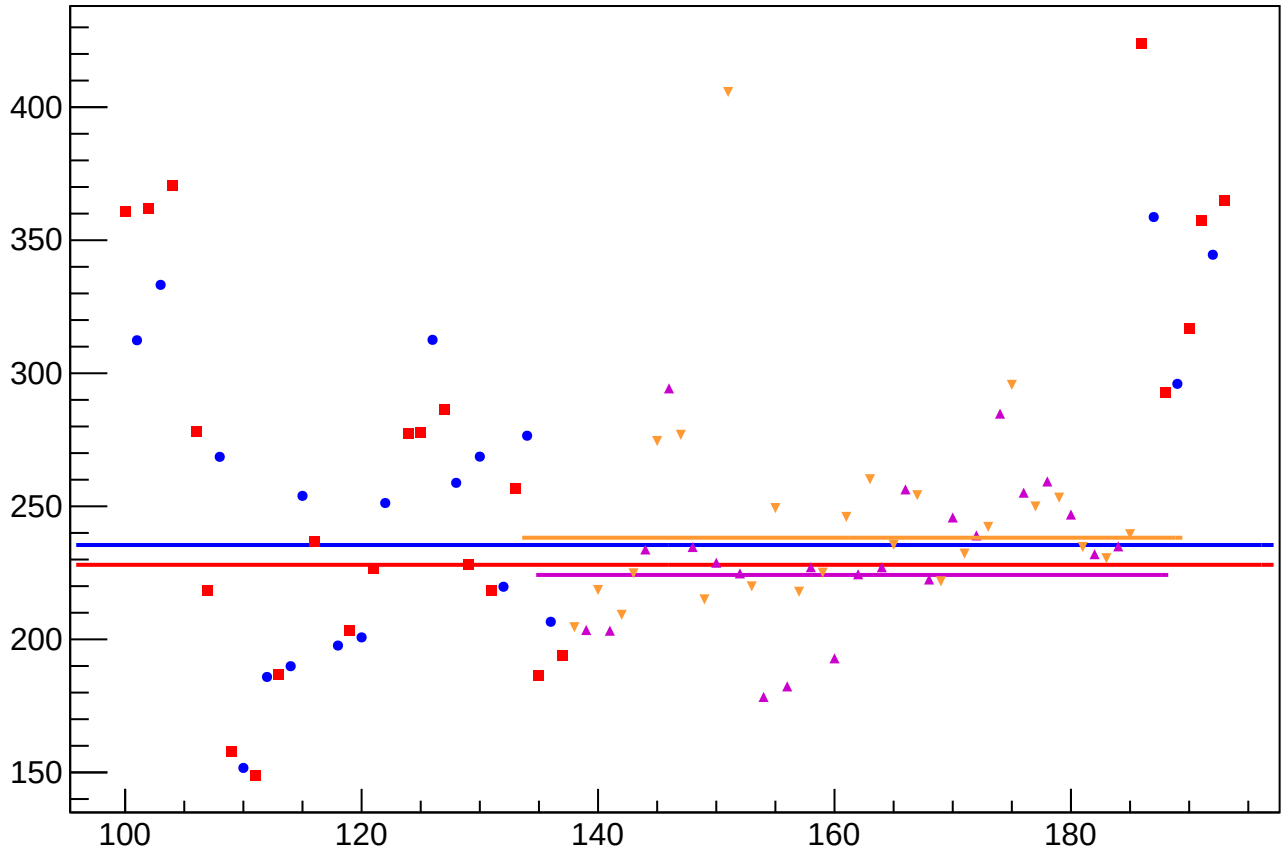
Right Out: -301.598+/-75.152 χ^2/NDF: 3256.4/23

Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.921+/-45.672 χ^2/NDF: 2364.7/43

All: 73.608+/-31.537 χ^2/NDF: 7488.3/90

- sign 155.196+/-43.599 χ^2/NDF: 5116.2/46



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: 228.018+/-0.053 χ^2/NDF: 1618360.1/23

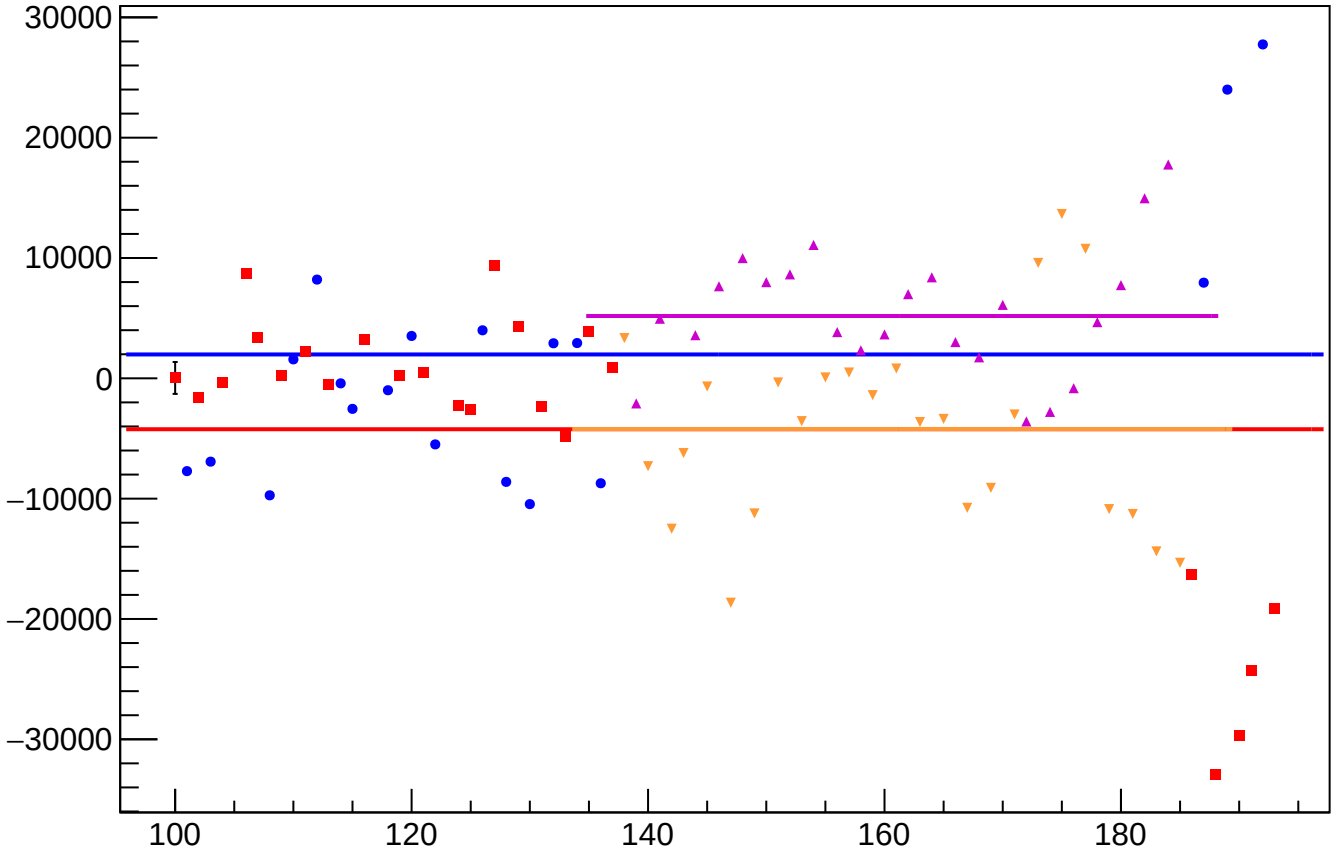
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 237.351+/-0.032 χ^2/NDF: 1536350.0/43

All: 231.147+/-0.022 χ^2/NDF: 3791888.0/90

- sign 225.493+/-0.031 χ^2/NDF: 2184994.0/46

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: -4230.349+/-39.748 χ^2/NDF: 88662.2/23

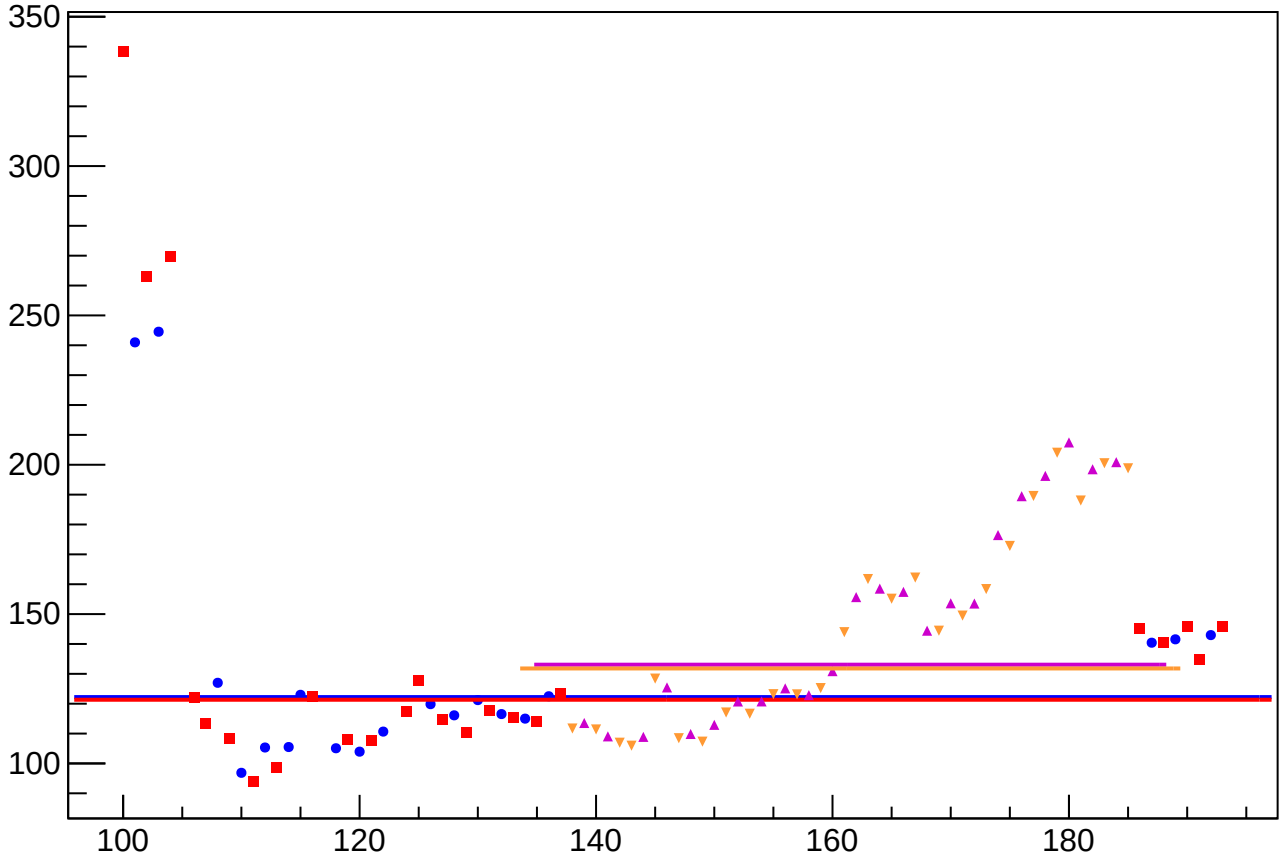
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -2107.278+/-25.054 χ^2/NDF: 138965.5/43

All: -302.142+/-17.665 χ^2/NDF: 290513.9/90

- sign 1482.533+/-24.911 χ^2/NDF: 141224.8/46

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: 121.327+/-0.028 χ^2/NDF: 1020222.2/23

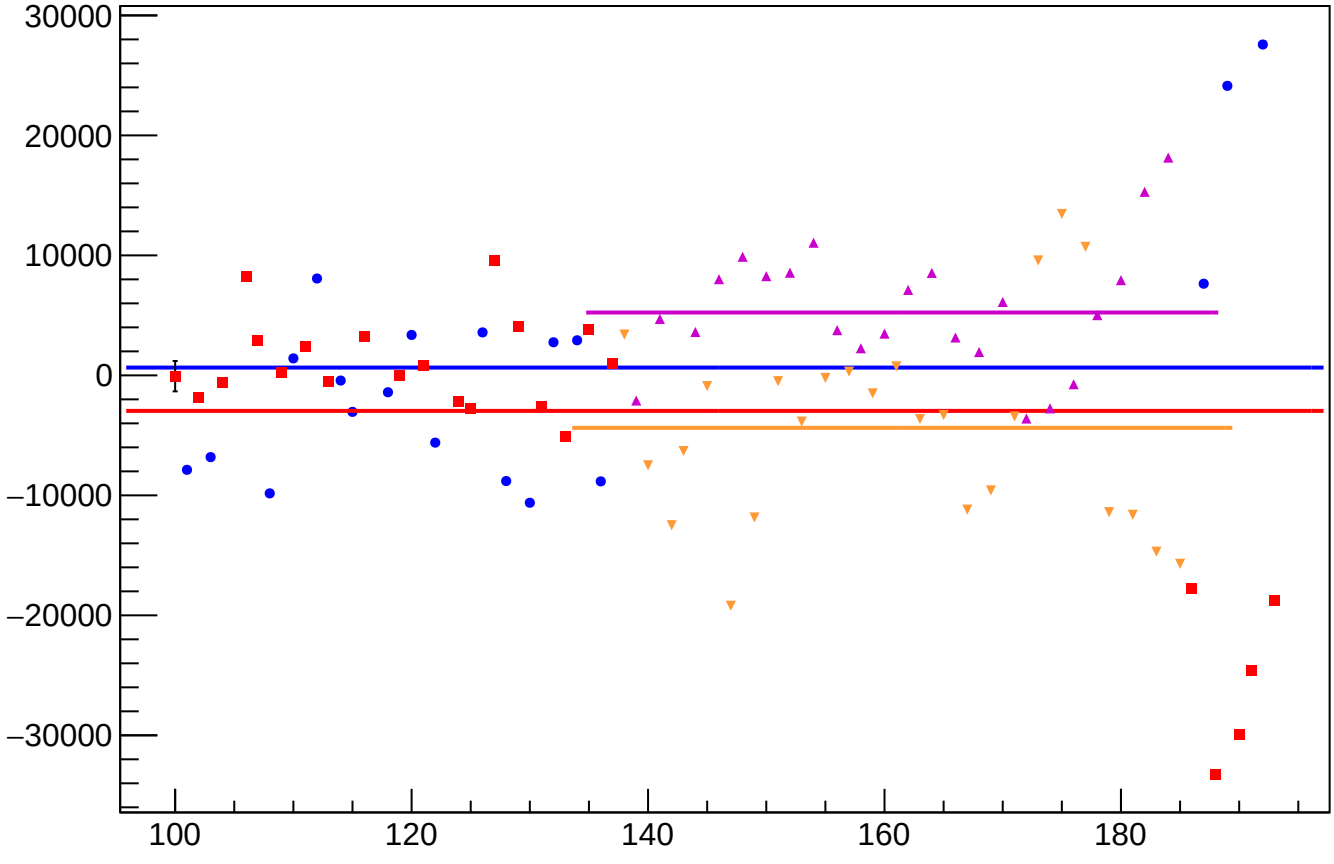
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 128.544+/-0.018 χ^2/NDF: 2422614.0/43

All: 128.498+/-0.012 χ^2/NDF: 4966946.4/90

- sign 128.452+/-0.018 χ^2/NDF: 2544318.8/46

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: -2961.288+/-34.844 χ^2/NDF: 97789.2/23

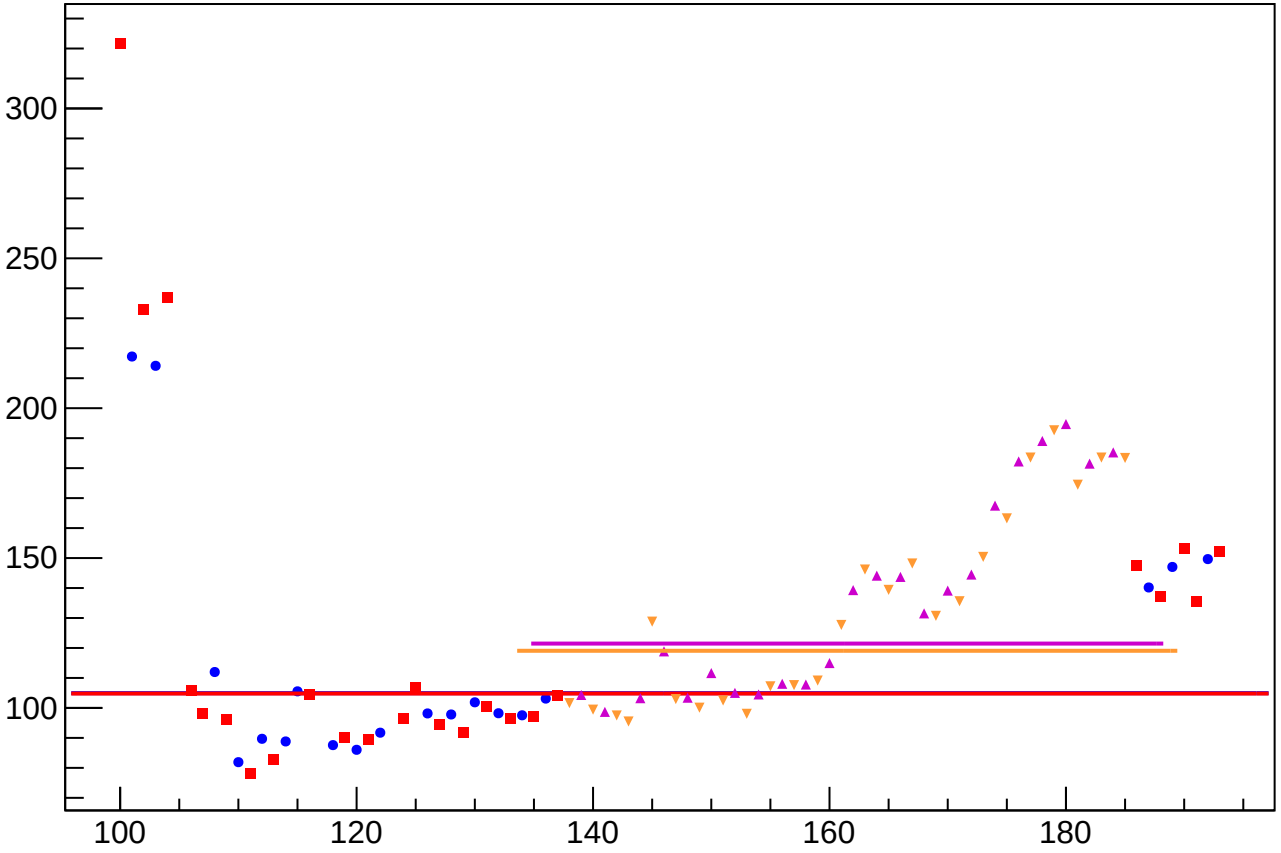
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -2574.964+/-22.400 χ^2/NDF: 151668.0/43

All: -363.169+/-15.840 χ^2/NDF: 323729.1/90

- sign 1849.347+/-22.403 χ^2/NDF: 152558.1/46

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: 104.795+/-0.025 χ^2/NDF: 1415955.0/23

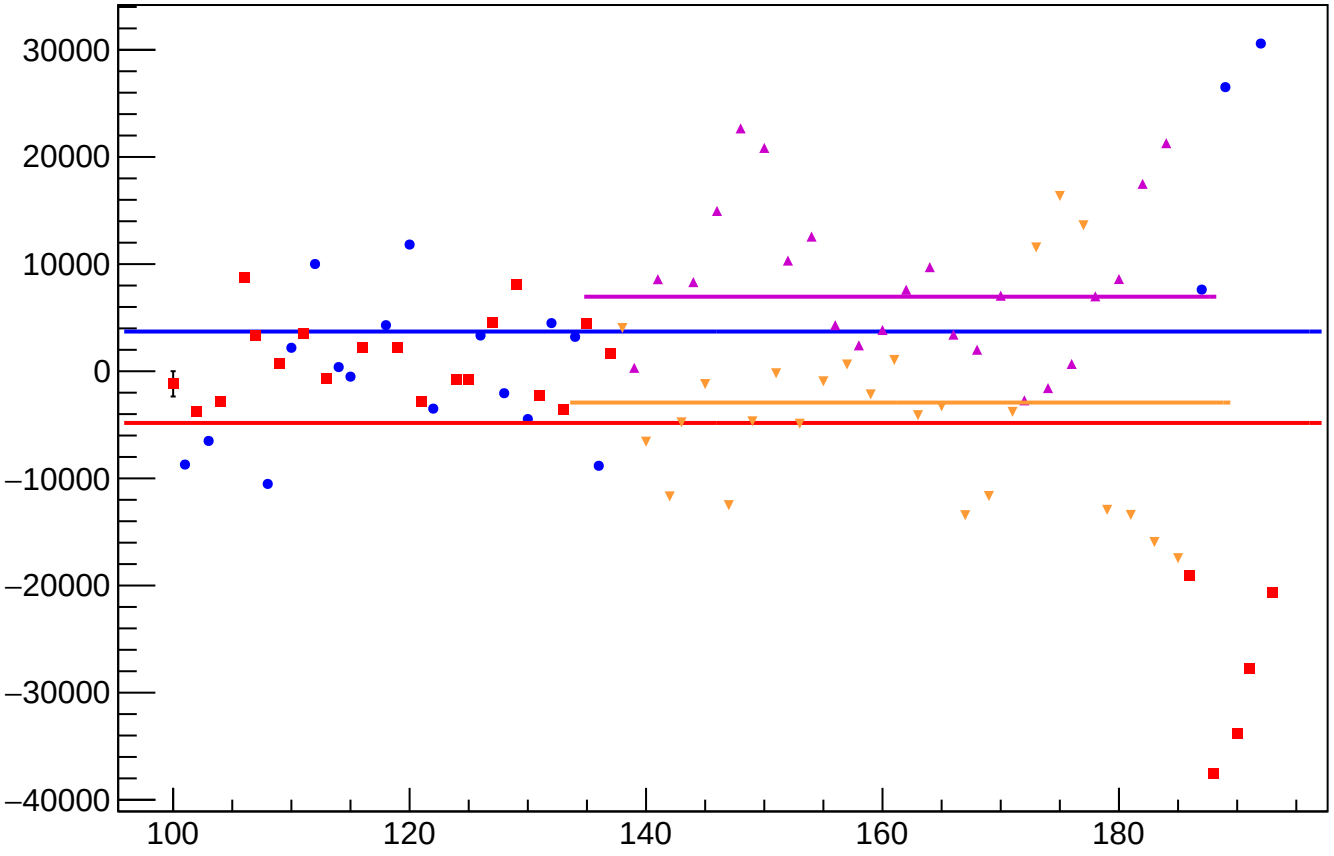
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 114.003+/-0.016 χ^2/NDF: 3063115.2/43

All: 114.289+/-0.011 χ^2/NDF: 6277718.6/90

- sign 114.575+/-0.016 χ^2/NDF: 3213951.1/46

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: -4824.915+/-46.288 χ^2/NDF: 81097.7/23

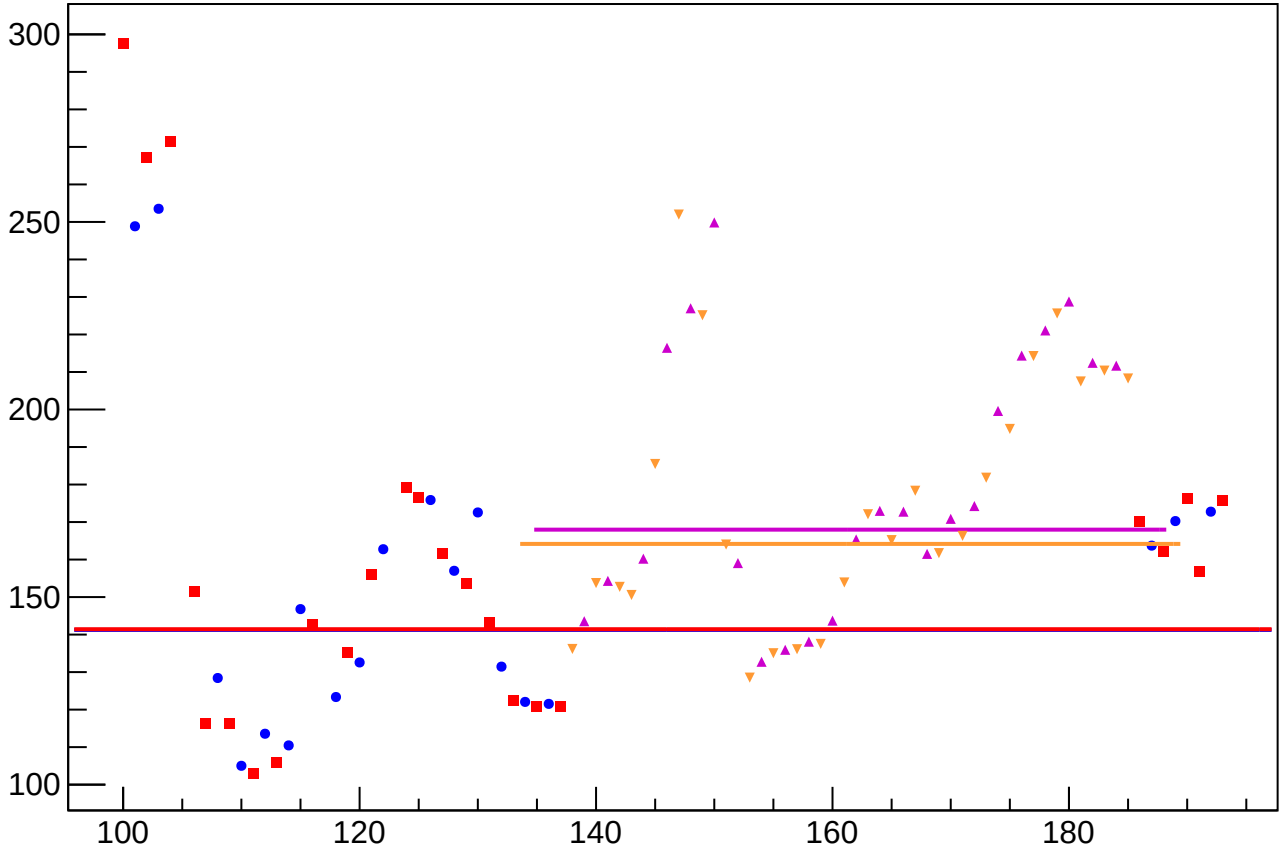
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign -452.932+/-30.246 χ^2/NDF: 103854.3/43

All: 711.118+/-21.431 χ^2/NDF: 247161.2/90

- sign 1884.789+/-30.371 χ^2/NDF: 140332.4/46

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: 141.428+/-0.033 χ^2/NDF: 1097217.8/23

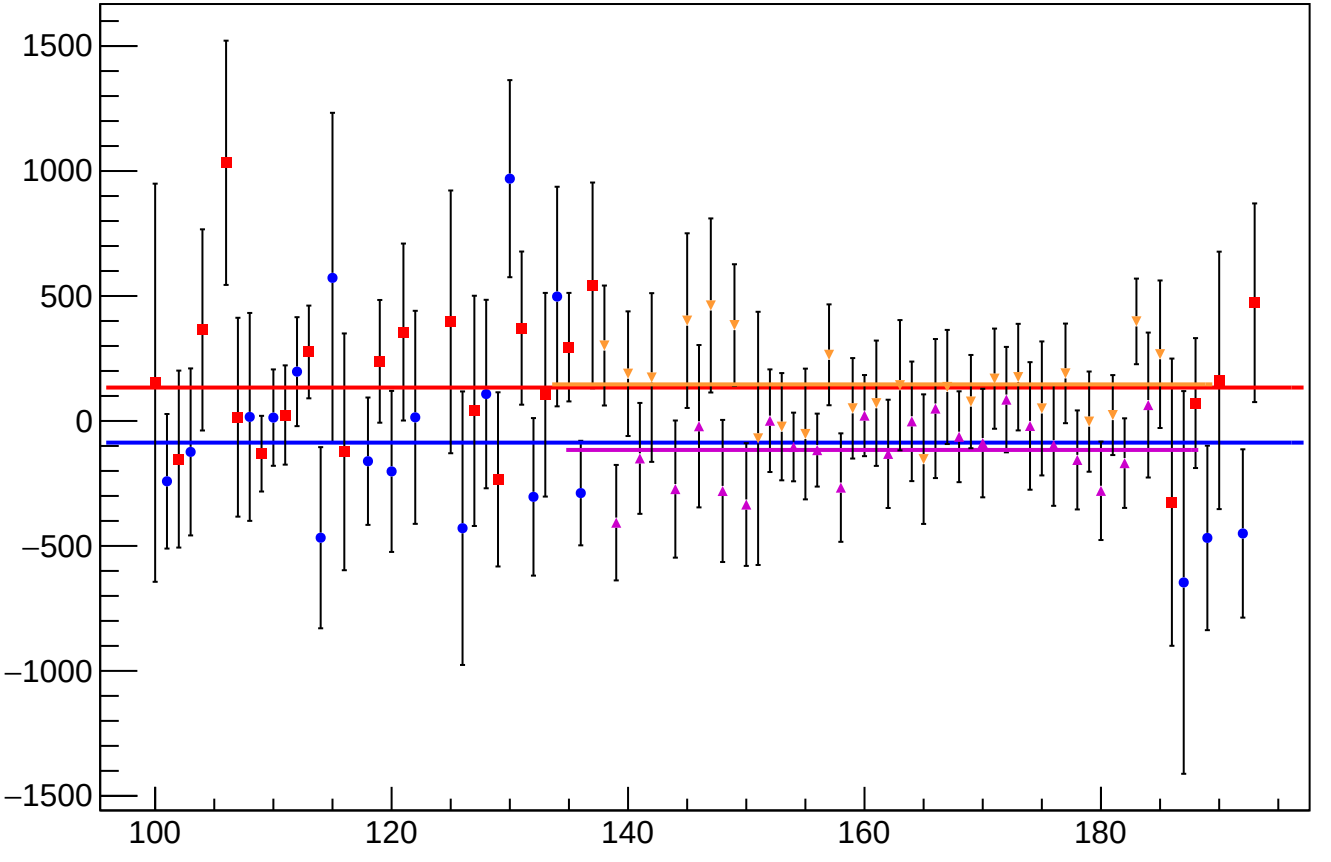
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 155.631+/-0.021 χ^2/NDF: 2408178.3/43

All: 156.087+/-0.015 χ^2/NDF: 5103685.9/90

- sign 156.547+/-0.021 χ^2/NDF: 2694594.6/46

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: 133.665+/-64.337 χ^2/NDF: 14.3/21

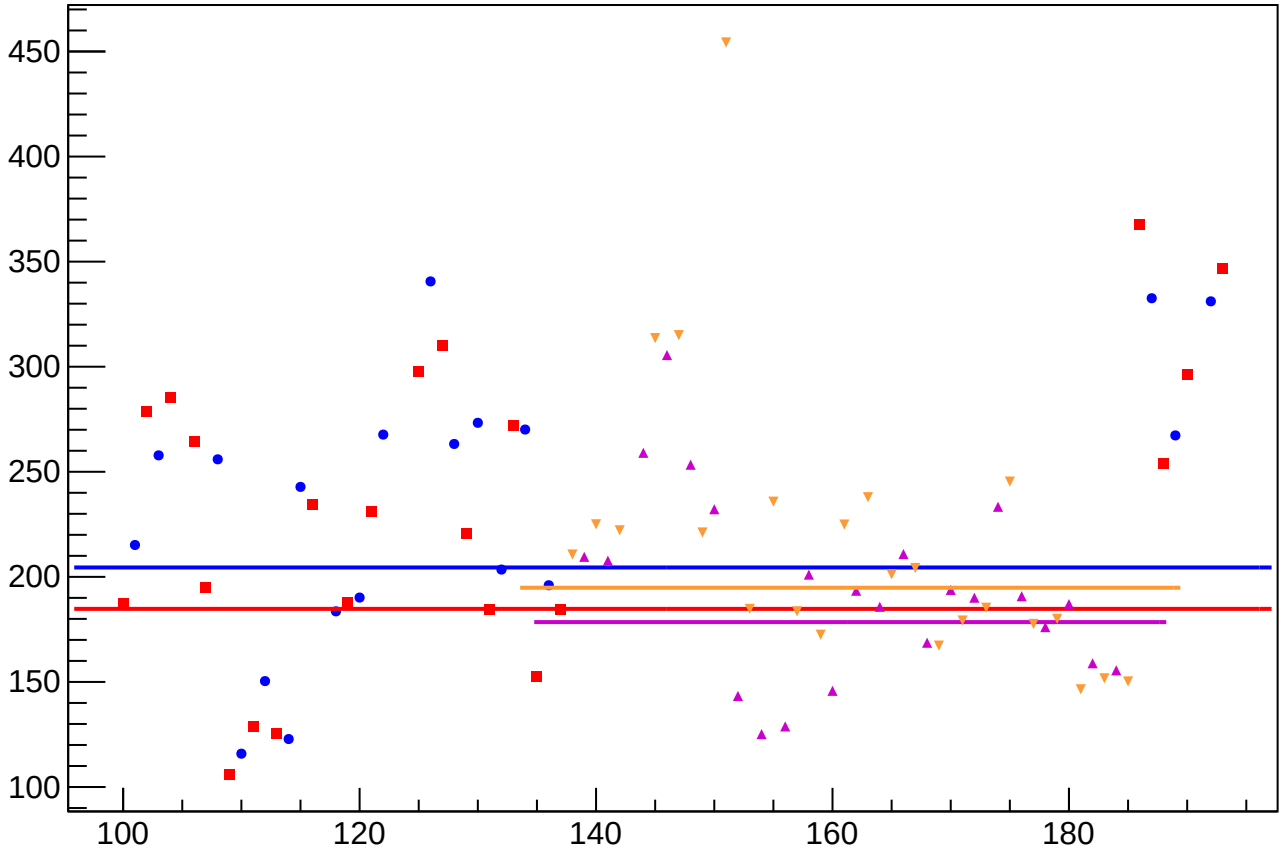
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign 77.679+/-39.412 χ^2/NDF: 35.7/42

All: 15.096+/-26.619 χ^2/NDF: 72.6/87

- sign -37.397+/-36.096 χ^2/NDF: 32.2/44

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: 184.770+/-0.045 χ^2/NDF: 2448603.0/21

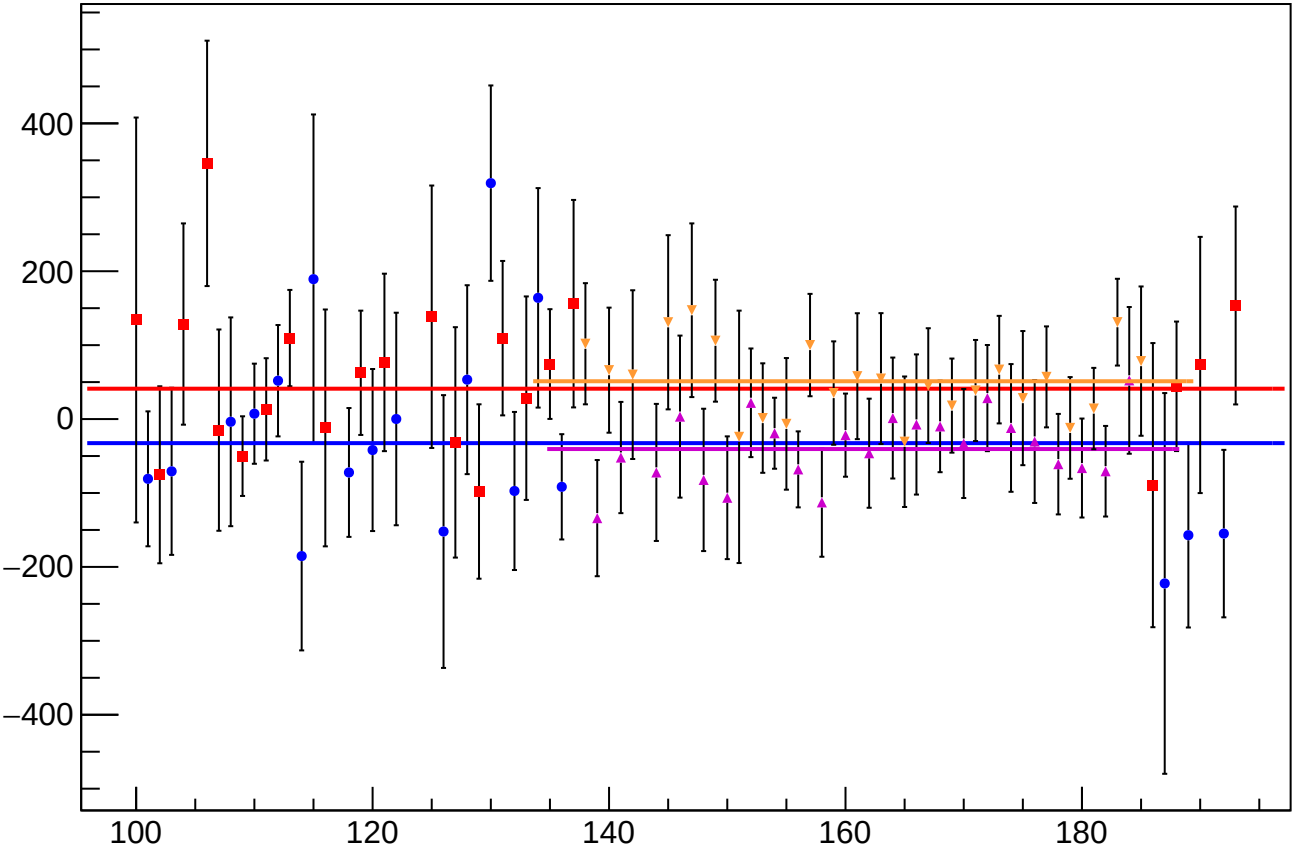
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 197.670+/-0.028 χ^2/NDF: 3255311.1/42

All: 188.309+/-0.019 χ^2/NDF: 7600774.6/87

- sign 180.457+/-0.026 χ^2/NDF: 4137987.8/44

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: 41.087+/-22.173 χ^2/NDF: 13.8/21

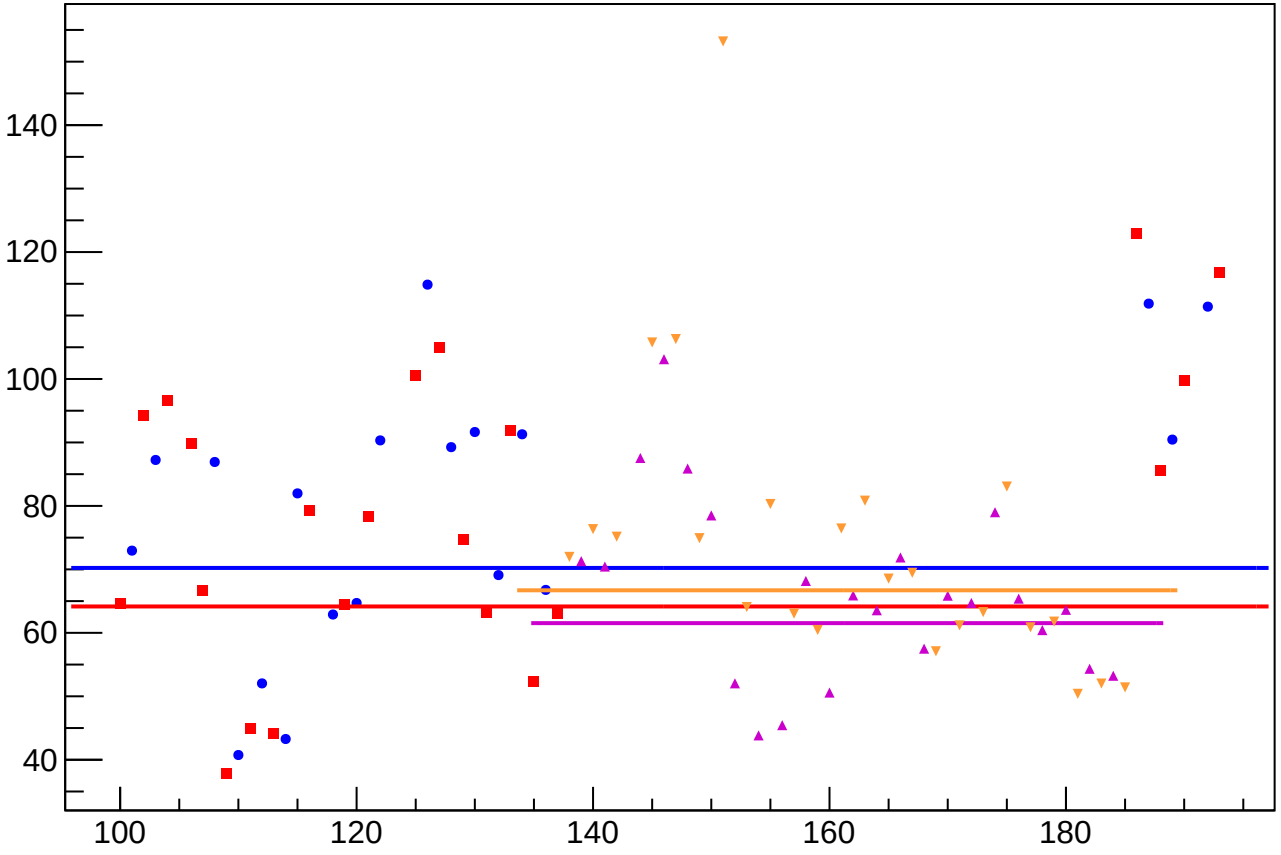
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign 26.512+/-13.471 χ^2/NDF: 34.3/42

All: 4.079+/-9.128 χ^2/NDF: 70.5/87

- sign -14.964+/-12.411 χ^2/NDF: 31.0/44

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: 64.157+/-0.016 χ^2/NDF: 2225937.4/21

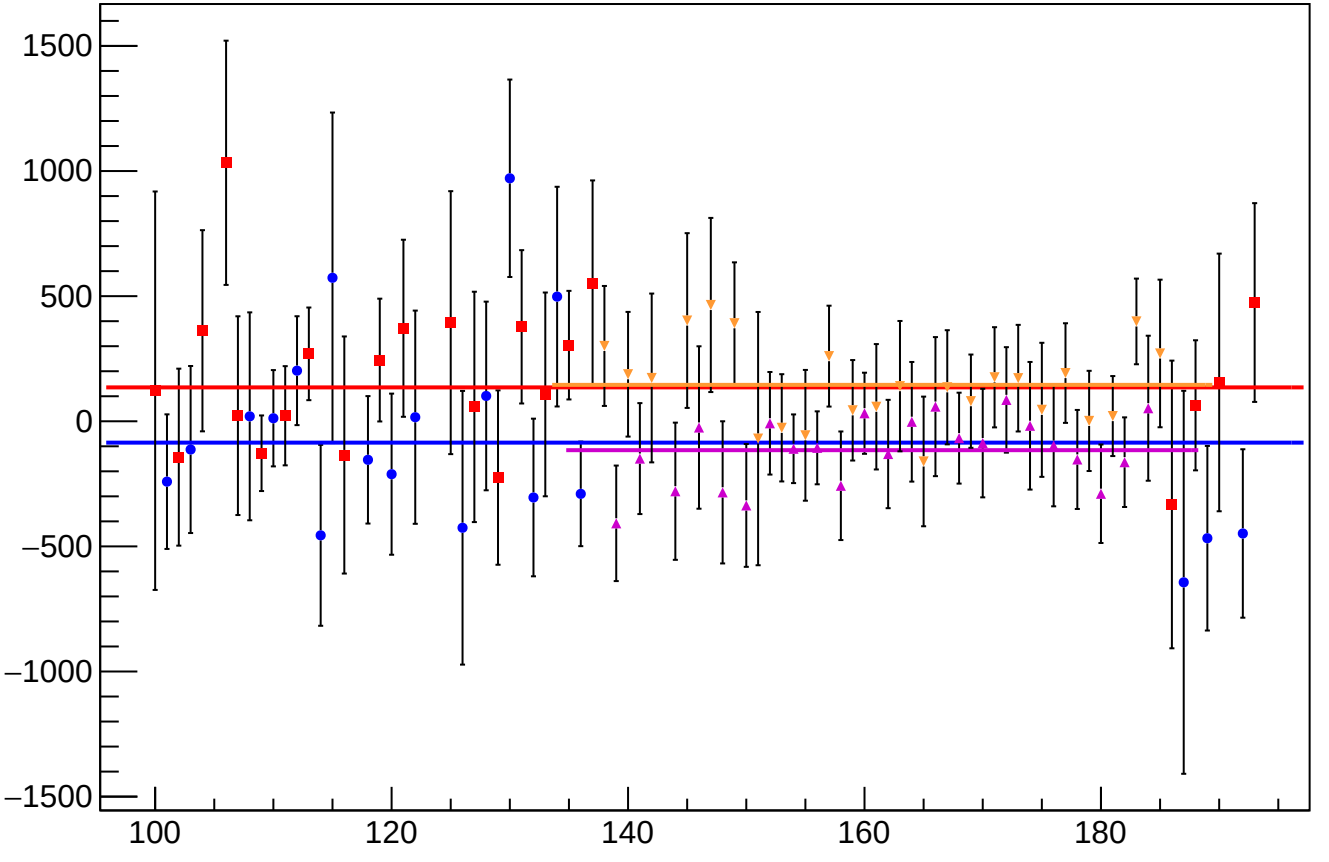
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 67.741+/-0.010 χ^2/NDF: 3056677.1/42

All: 64.826+/-0.006 χ^2/NDF: 6964832.1/87

- sign 62.352+/-0.009 χ^2/NDF: 3735078.5/44

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: 135.405+/-64.260 χ^2/NDF: 14.3/21

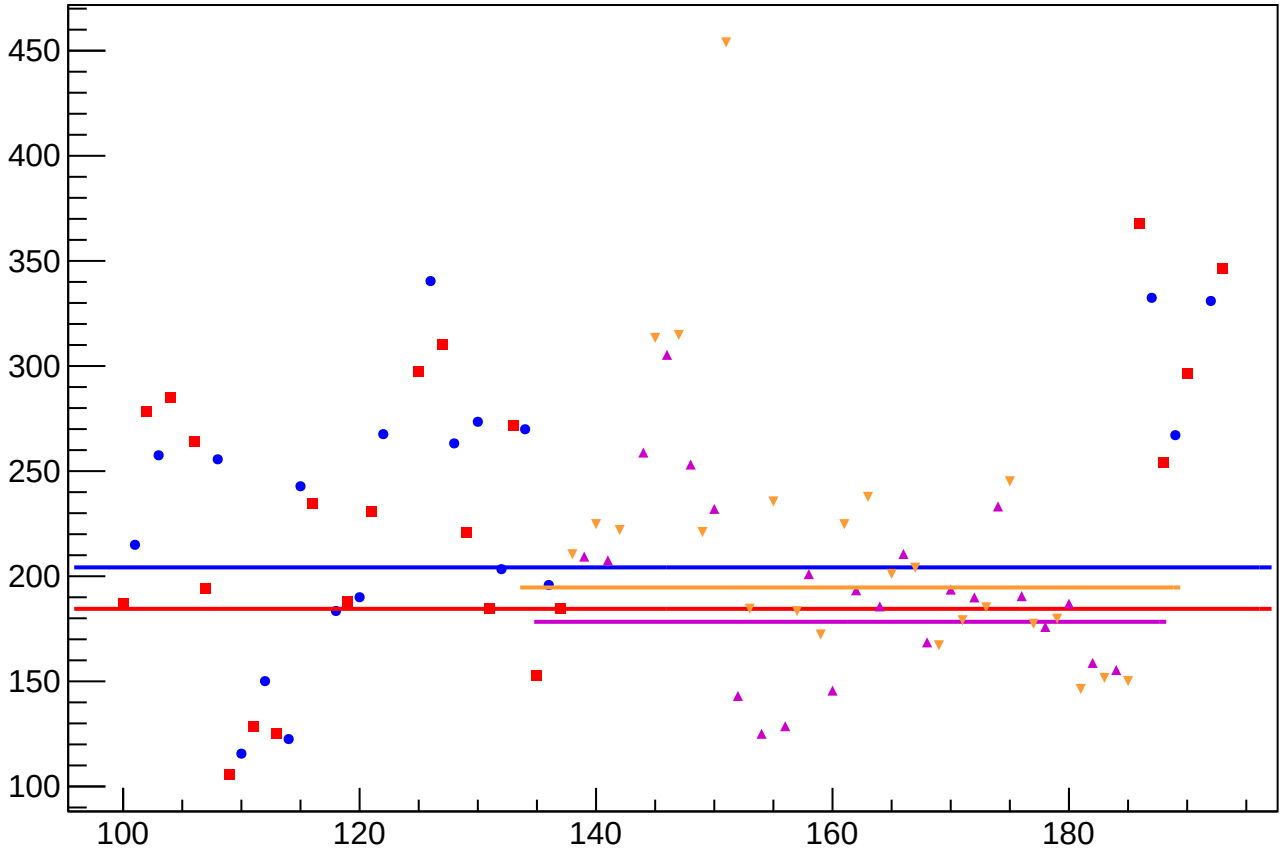
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 77.431+/-39.376 χ^2/NDF: 35.9/42

All: 15.481+/-26.594 χ^2/NDF: 73.0/87

- sign -36.477+/-36.061 χ^2/NDF: 32.5/44

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: 184.501+/-0.045 χ^2/NDF: 2456935.2/21

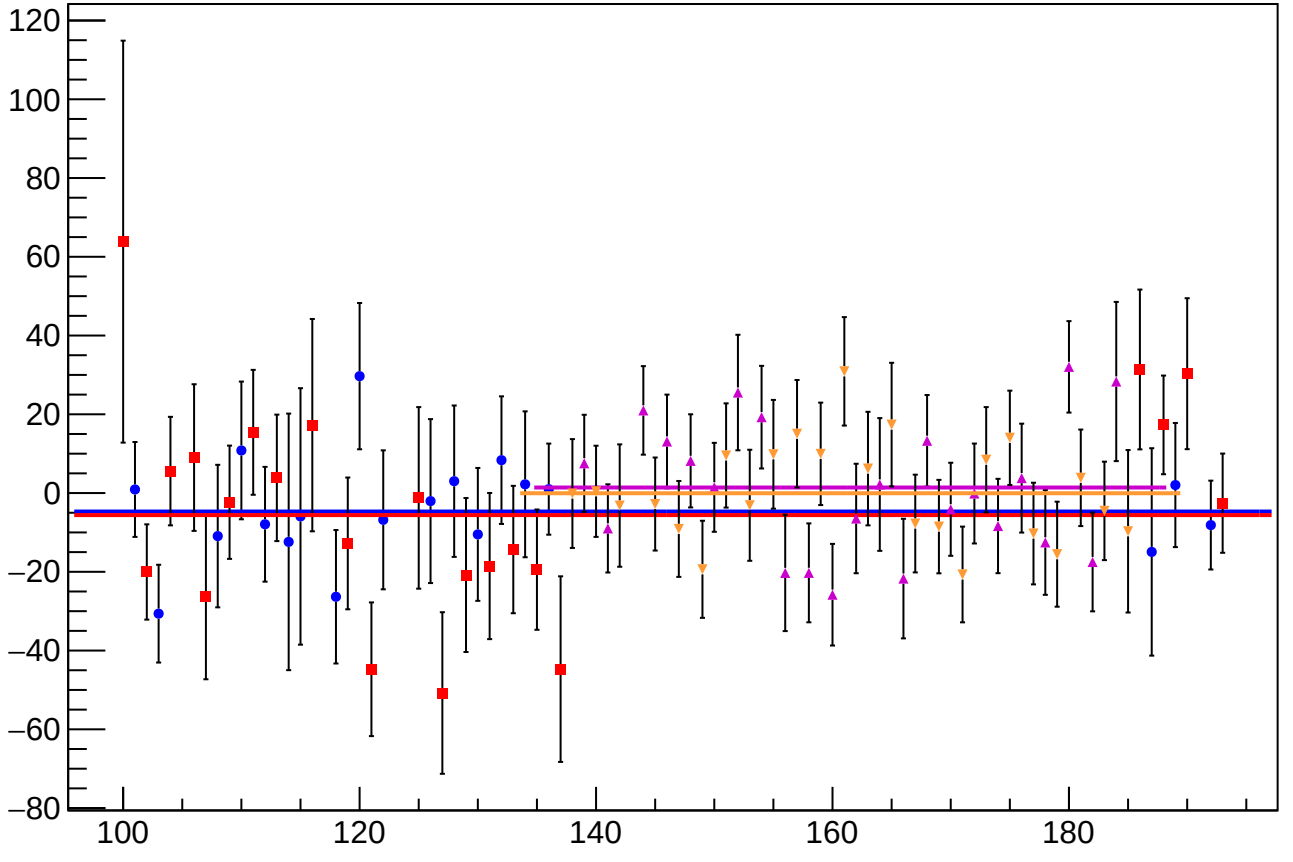
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 197.477+/-0.028 χ^2/NDF: 3261165.3/42

All: 188.116+/-0.019 χ^2/NDF: 7616948.3/87

- sign 180.265+/-0.025 χ^2/NDF: 4147958.9/44

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: -5.597+/-3.621 χ^2/NDF: 34.0/21

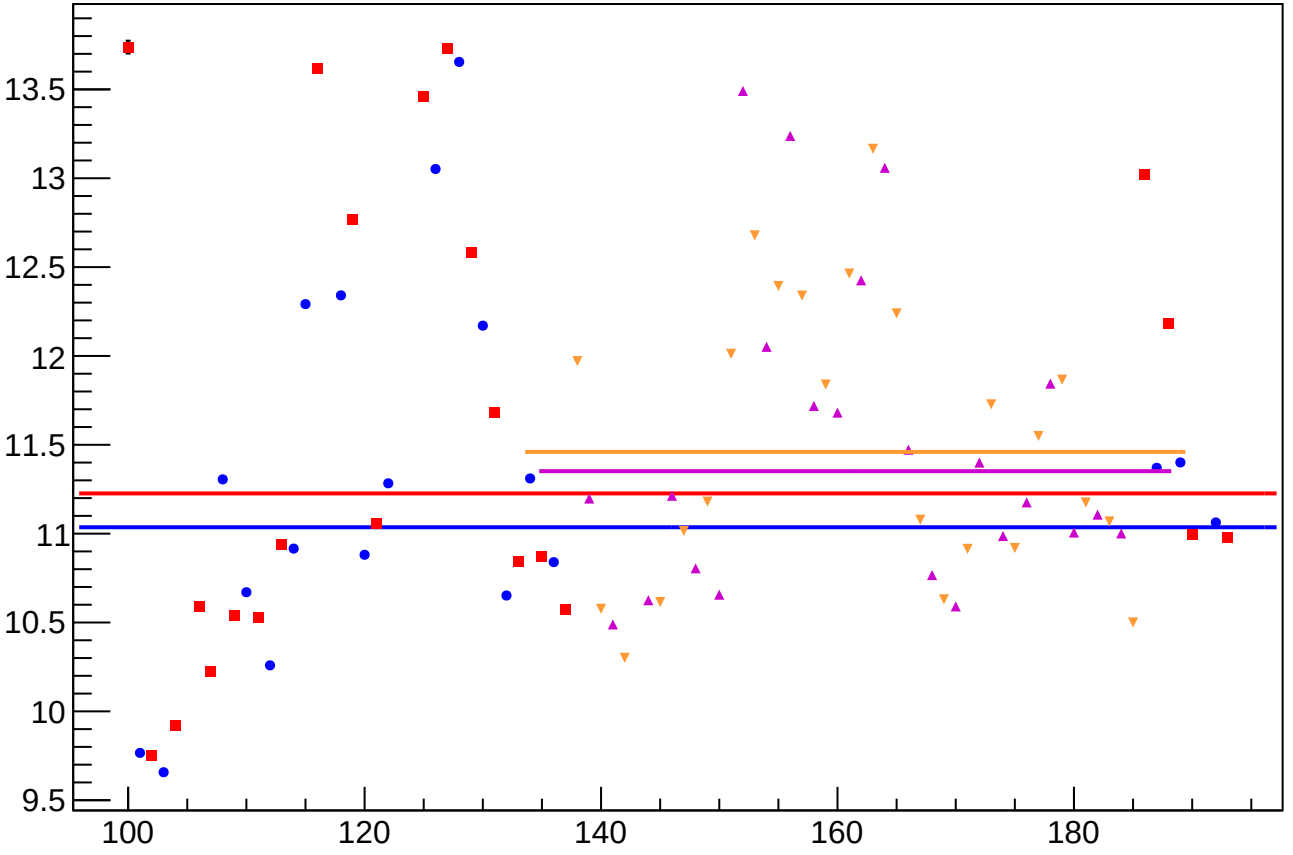
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.633+/-2.179 χ^2/NDF: 33.9/42

All: -1.345+/-1.531 χ^2/NDF: 106.7/87

- sign -1.065+/-2.151 χ^2/NDF: 72.7/44

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: 11.226+/-0.003 χ^2/NDF: 192930.6/21

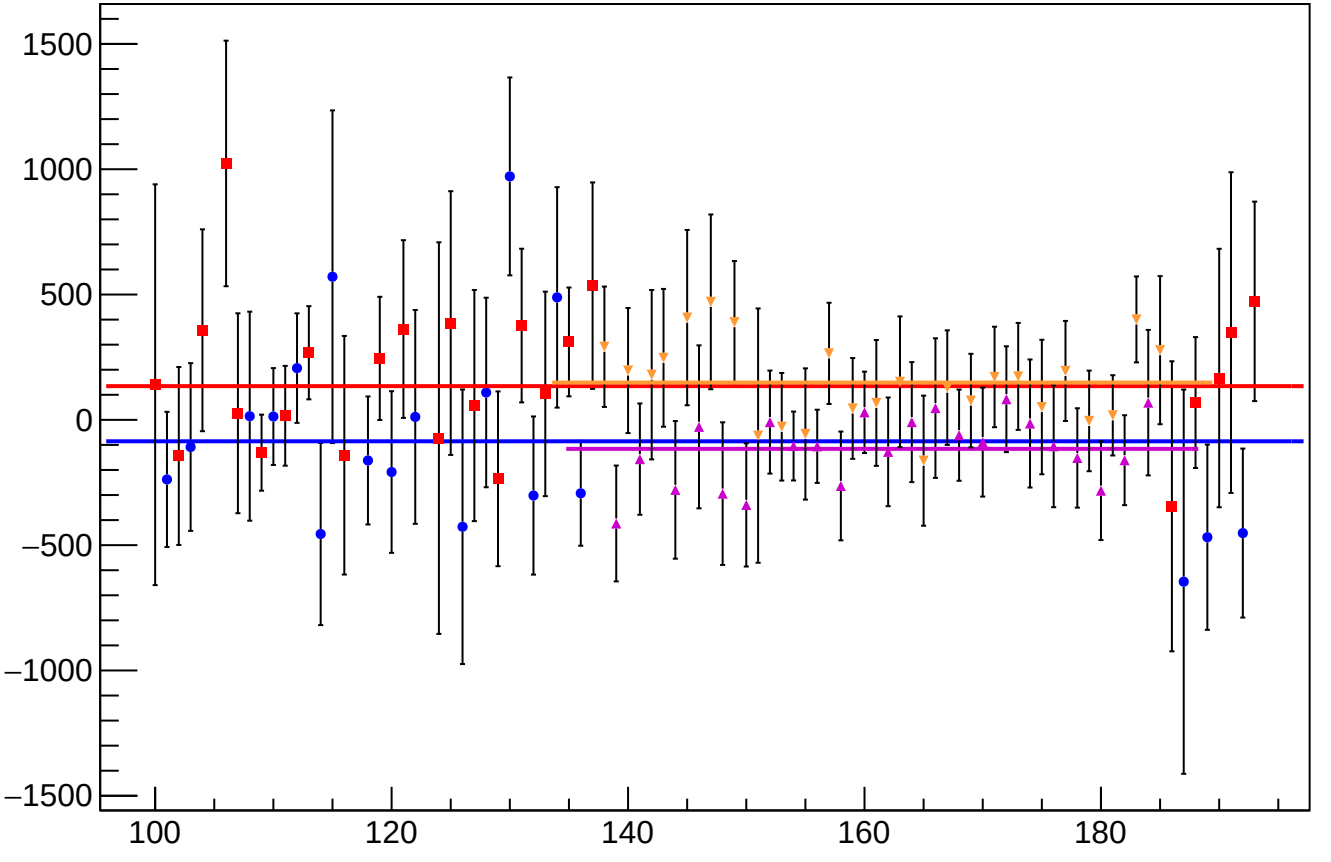
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.315+/-0.002 χ^2/NDF: 305198.0/42

All: 11.311+/-0.001 χ^2/NDF: 670255.1/87

- sign 11.308+/-0.002 χ^2/NDF: 365044.3/44

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: 134.530+/-63.925 χ^2/NDF: 14.4/23

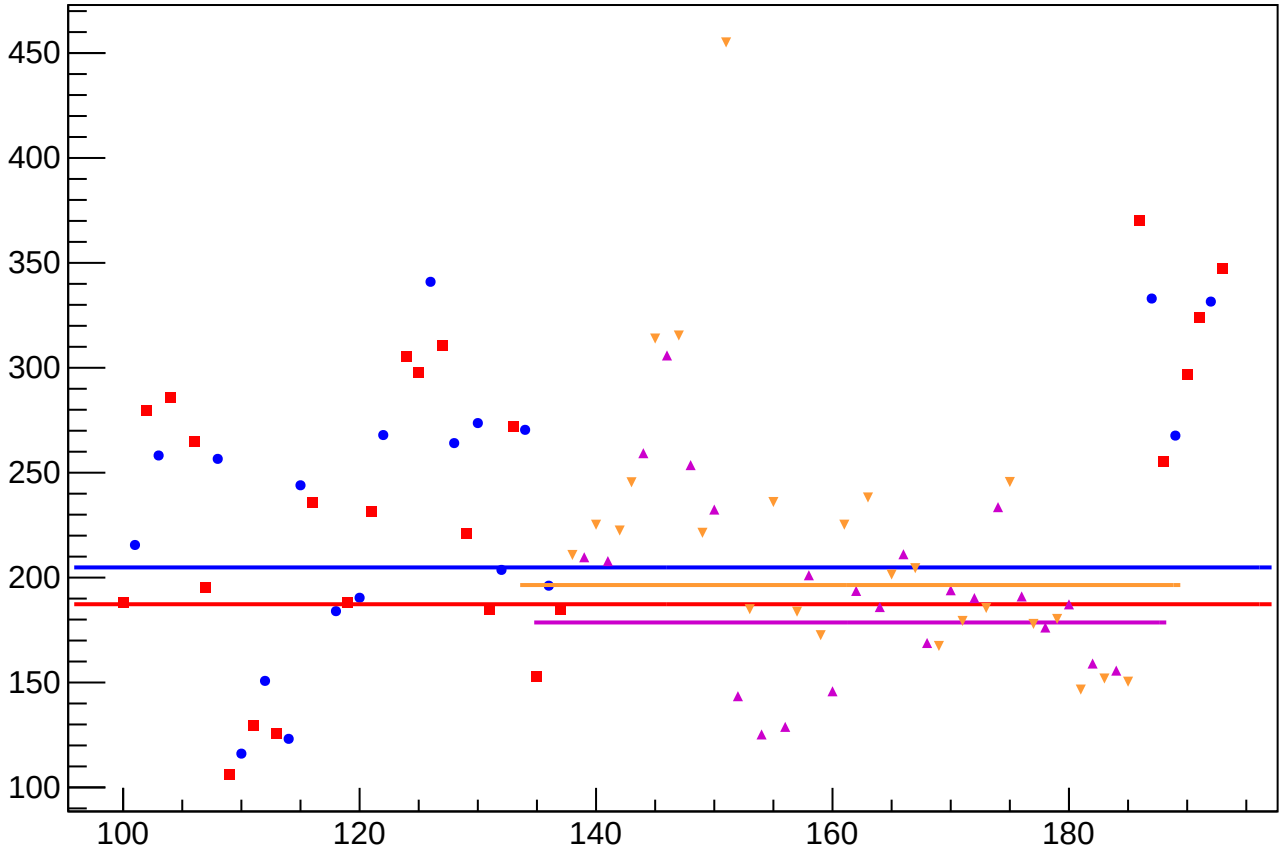
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 81.285+/-39.062 χ^2/NDF: 36.4/43

All: 17.850+/-26.489 χ^2/NDF: 73.9/90

- sign -36.158+/-36.043 χ^2/NDF: 32.7/46

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: 187.308+/-0.045 χ^2/NDF: 2590995.8/23

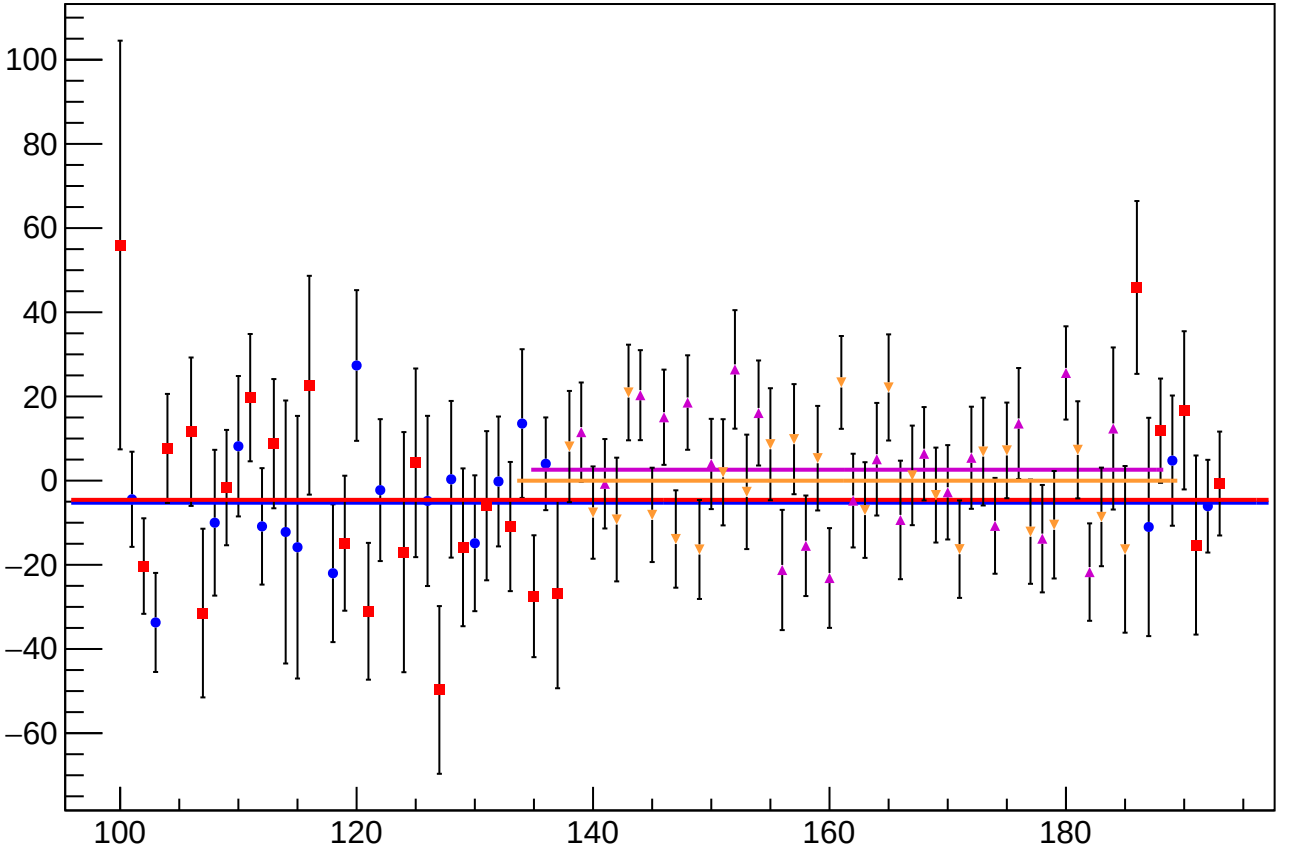
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

\+ sign 198.877+/-0.028 χ^2/NDF: 3313307.7/43

All: 189.425+/-0.019 χ^2/NDF: 7825192.6/90

\- sign 181.378+/-0.025 χ^2/NDF: 4295091.4/46

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: -4.566+/-3.406 χ^2/NDF: 33.5/23

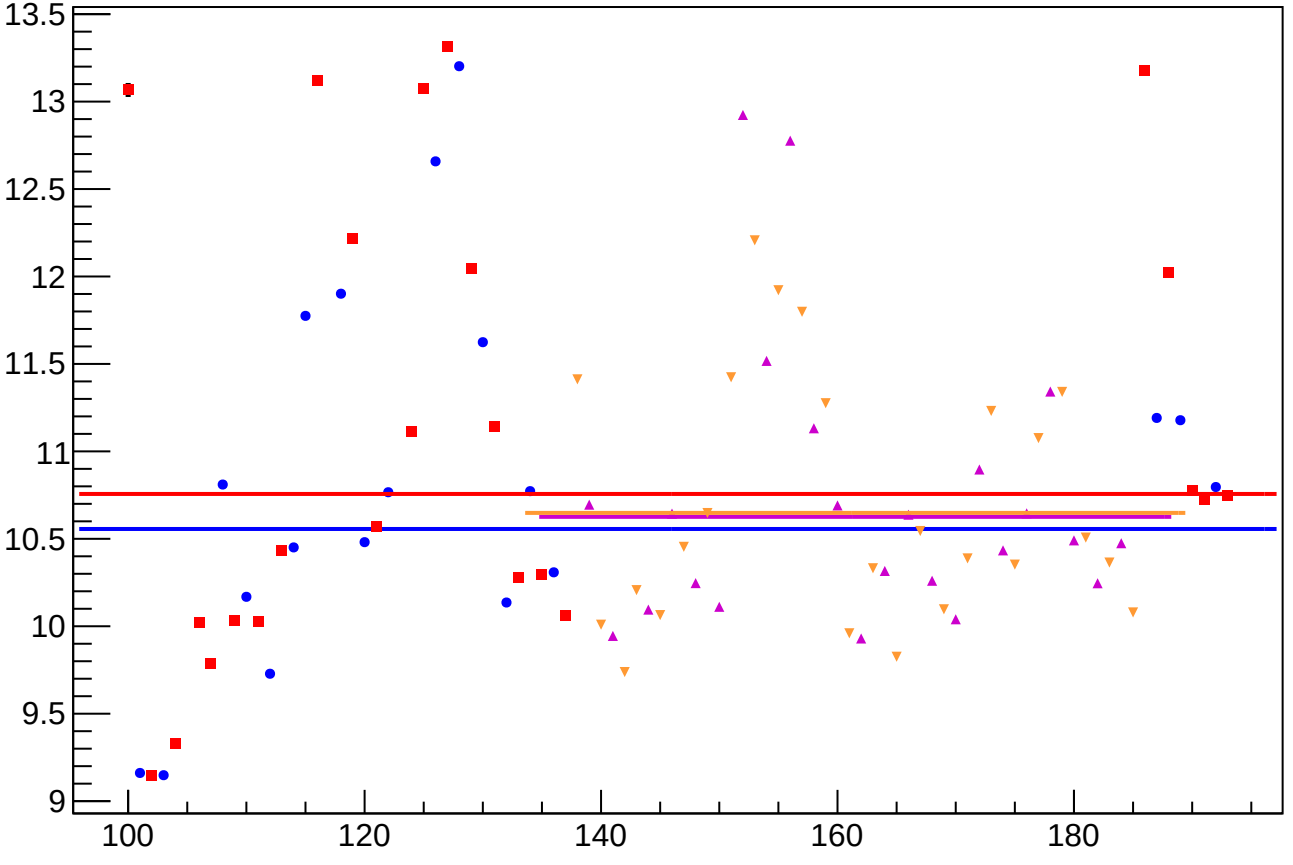
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.685+/-2.018 χ^2/NDF: 39.4/43

All: -0.804+/-1.427 χ^2/NDF: 110.9/90

- sign 0.077+/-2.018 χ^2/NDF: 71.1/46

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+/-0.002 χ^2/NDF: 241480.0/23

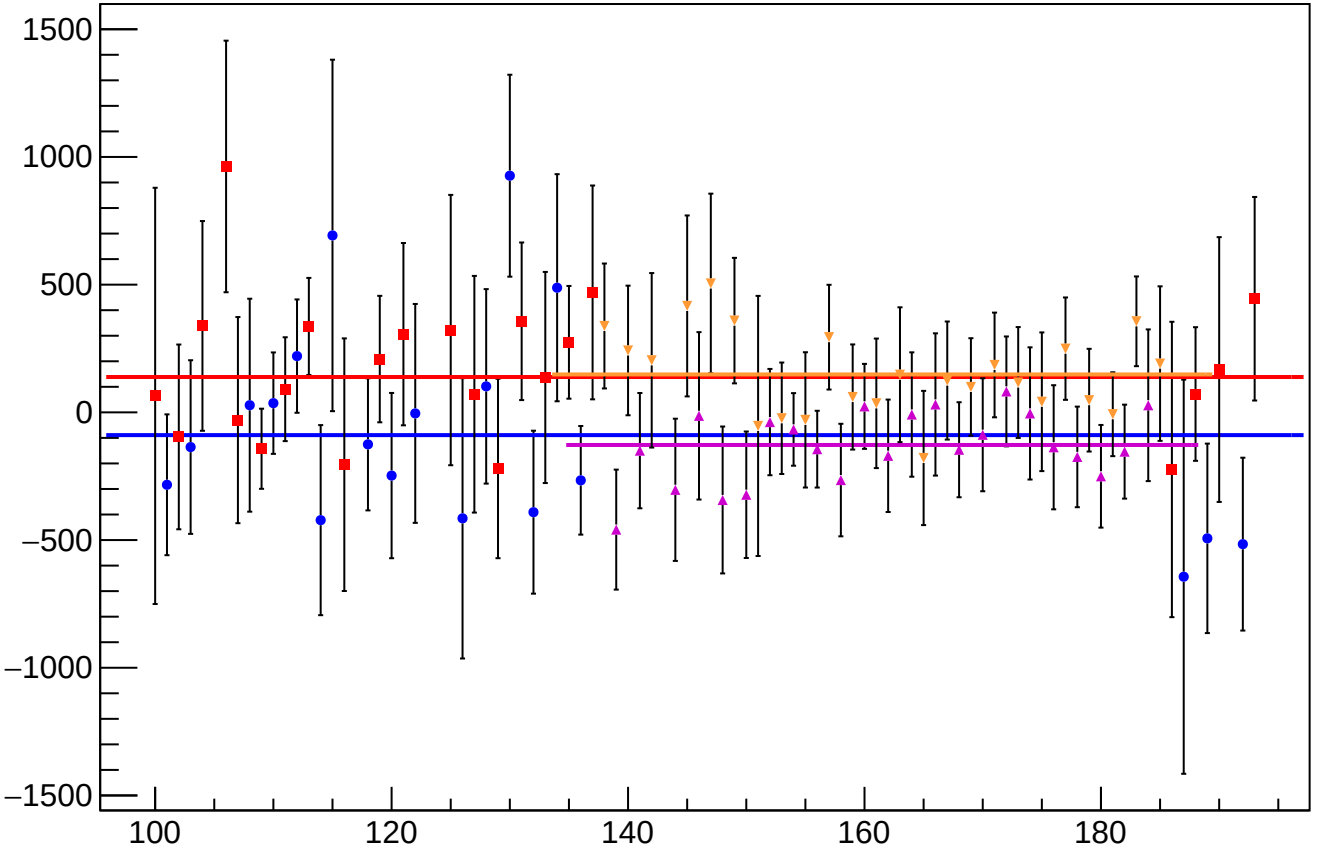
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.619+/-0.001 χ^2/NDF: 308130.7/43

All: 10.645+/-0.001 χ^2/NDF: 711751.9/90

- sign 10.672+/-0.001 χ^2/NDF: 402938.7/46

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: 138.375+/-65.557 χ^2/NDF: 12.5/21

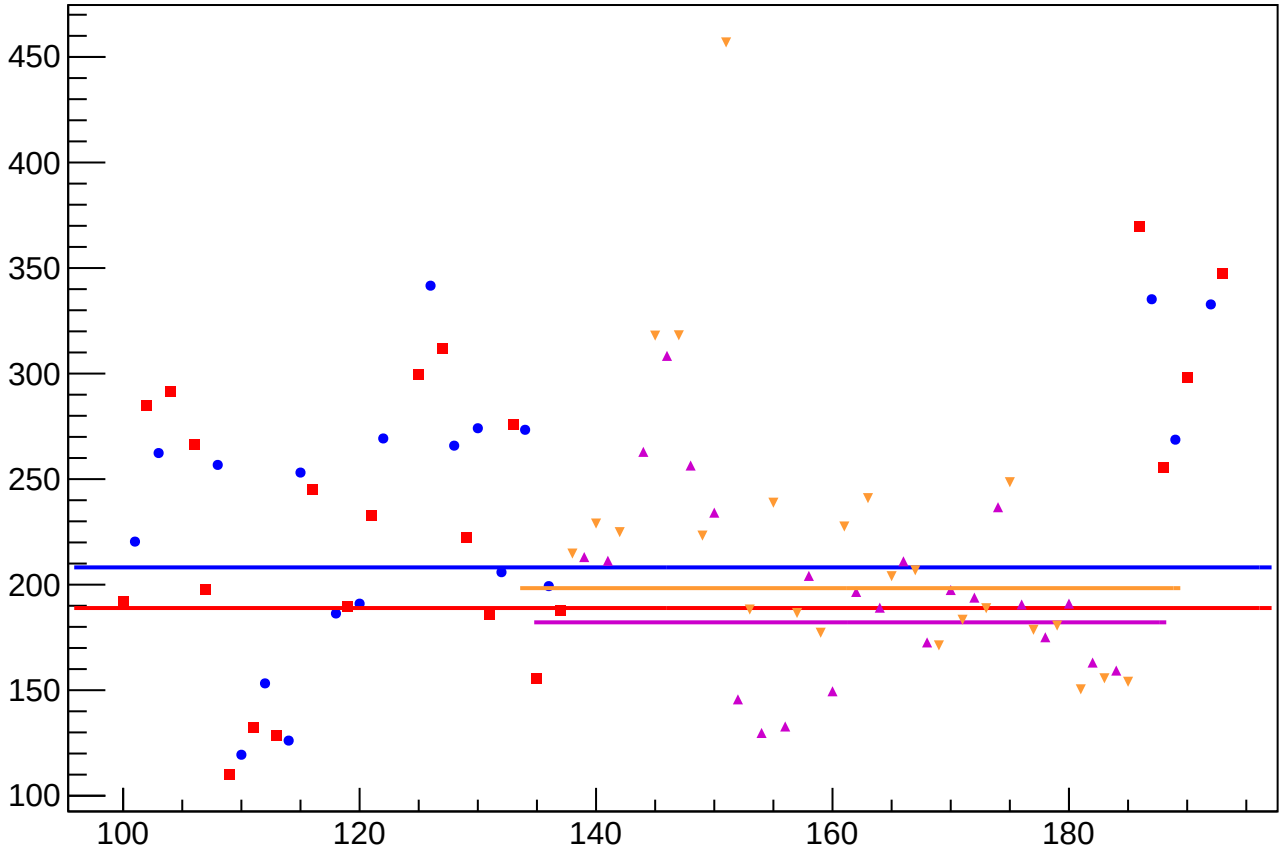
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 78.347+/-40.066 χ^2/NDF: 36.3/42

All: 11.962+/-27.094 χ^2/NDF: 73.0/87

- sign -43.970+/-36.777 χ^2/NDF: 31.6/44

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: 188.926+/-0.046 χ^2/NDF: 2349962.6/21

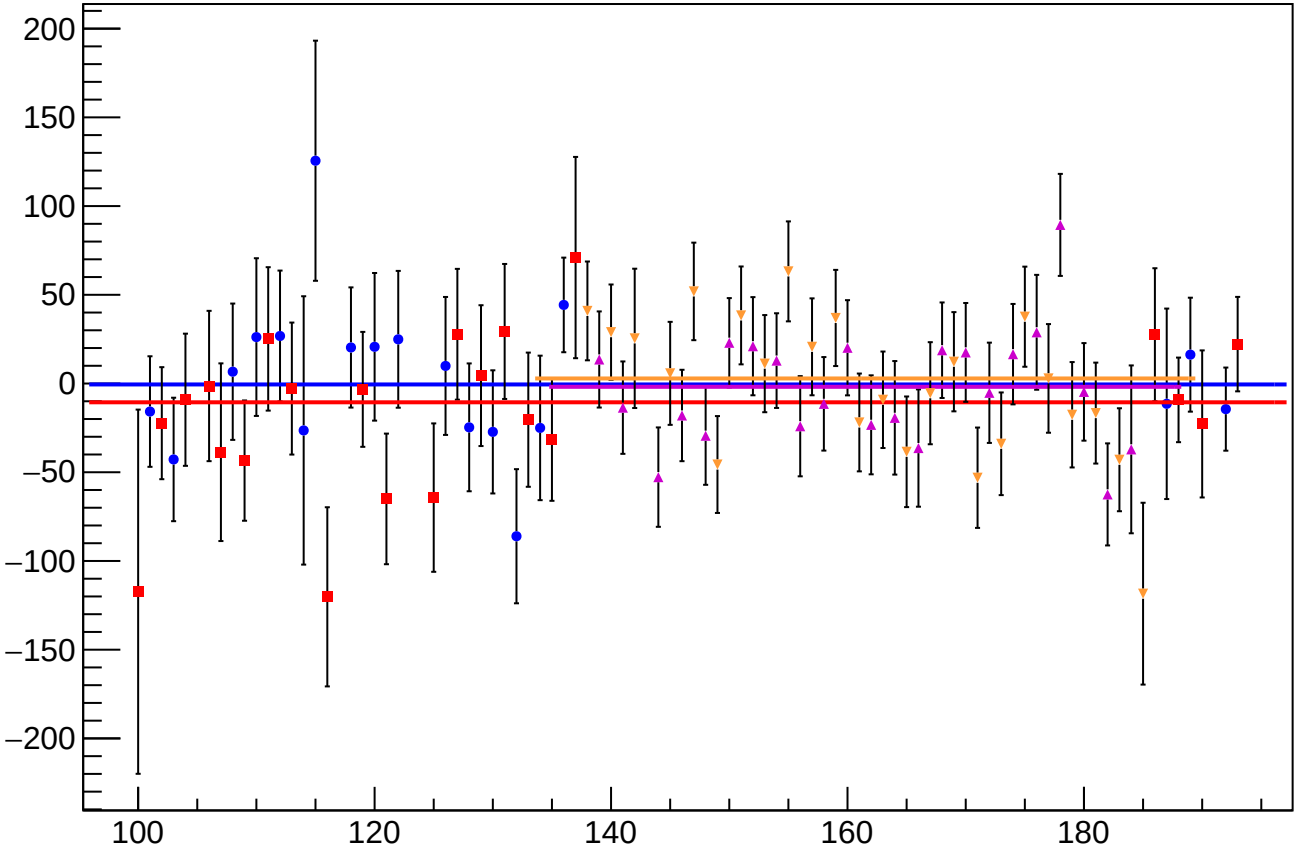
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

\+ sign 201.253+/-0.028 χ^2/NDF: 3137356.0/42

All: 192.043+/-0.019 χ^2/NDF: 7281054.8/87

\- sign 184.283+/-0.026 χ^2/NDF: 3948963.6/44

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: -10.581+/-7.903 χ^2/NDF: 19.4/21

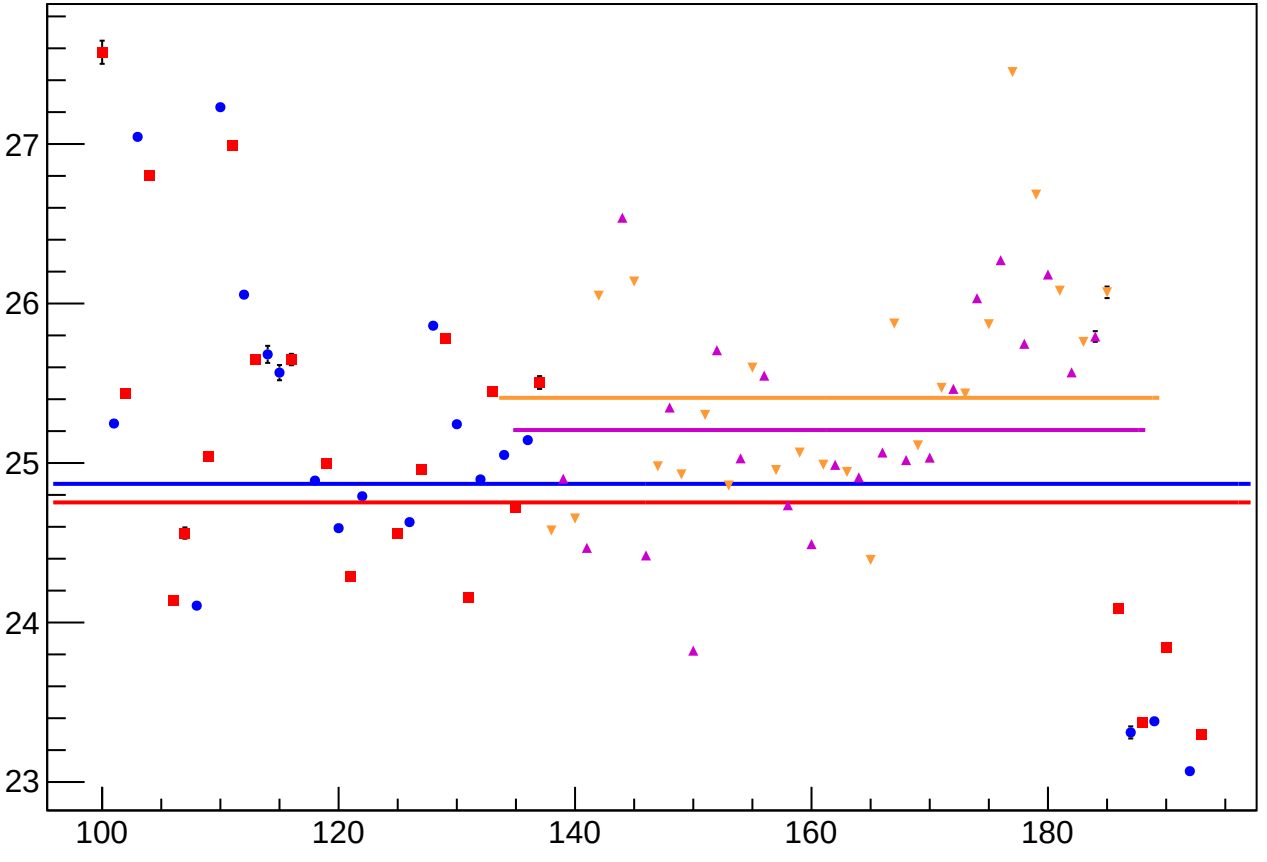
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.723+/-4.817 χ^2/NDF: 54.4/42

All: -1.689+/-3.373 χ^2/NDF: 103.7/87

- sign -4.970+/-4.724 χ^2/NDF: 48.3/44

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: 24.753+/-0.006 χ^2/NDF: 34716.1/21

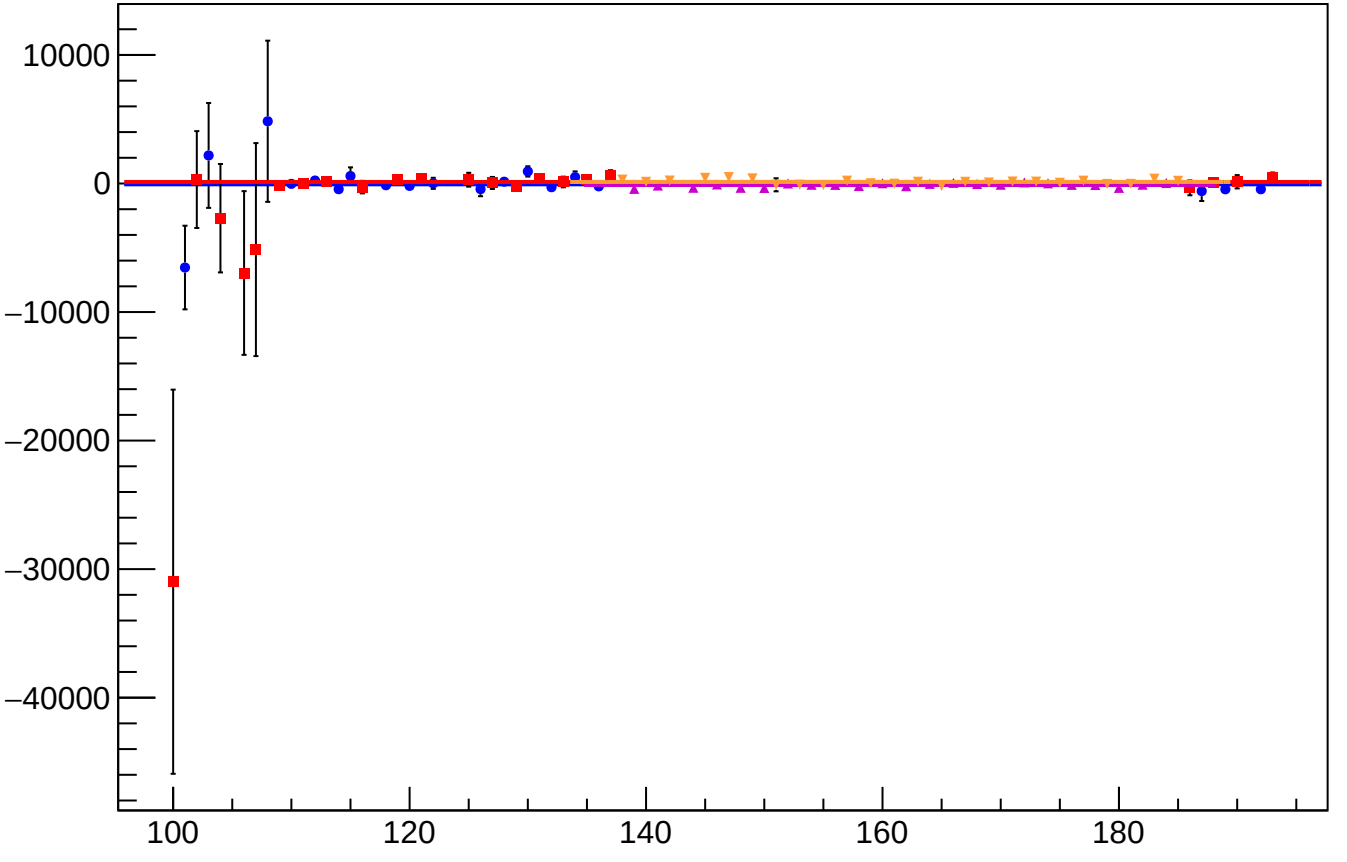
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.228+/-0.003 χ^2/NDF: 69498.0/42

All: 25.135+/-0.002 χ^2/NDF: 135766.0/87

- sign 25.045+/-0.003 χ^2/NDF: 64783.9/44

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: 120.518+/-72.394 χ^2/NDF: 15.7/21

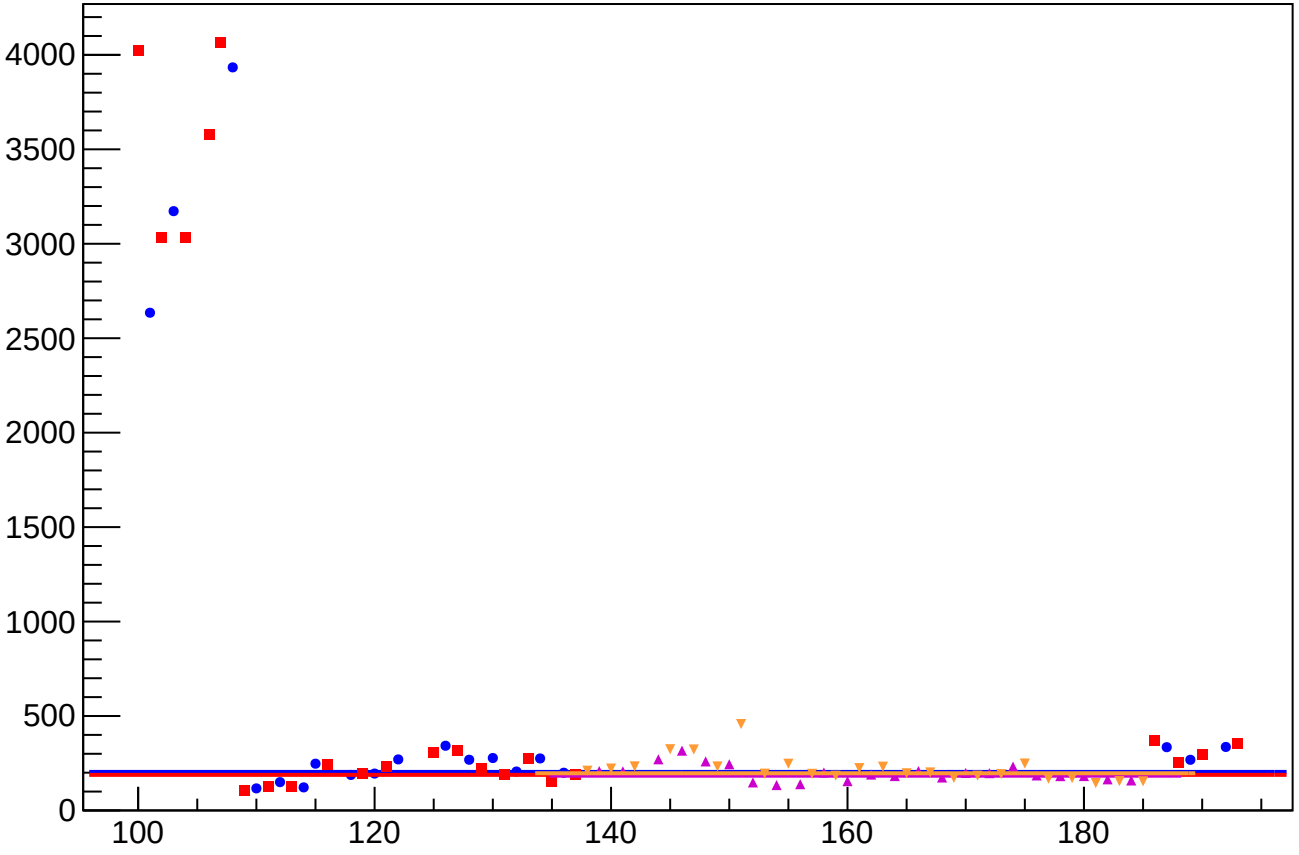
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 72.179+/-40.755 χ^2/NDF: 37.3/42

All: 6.581+/-27.827 χ^2/NDF: 74.1/87

- sign -50.711+/-38.087 χ^2/NDF: 31.9/44

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: 188.472+/-0.051 χ^2/NDF: 5105992.3/21

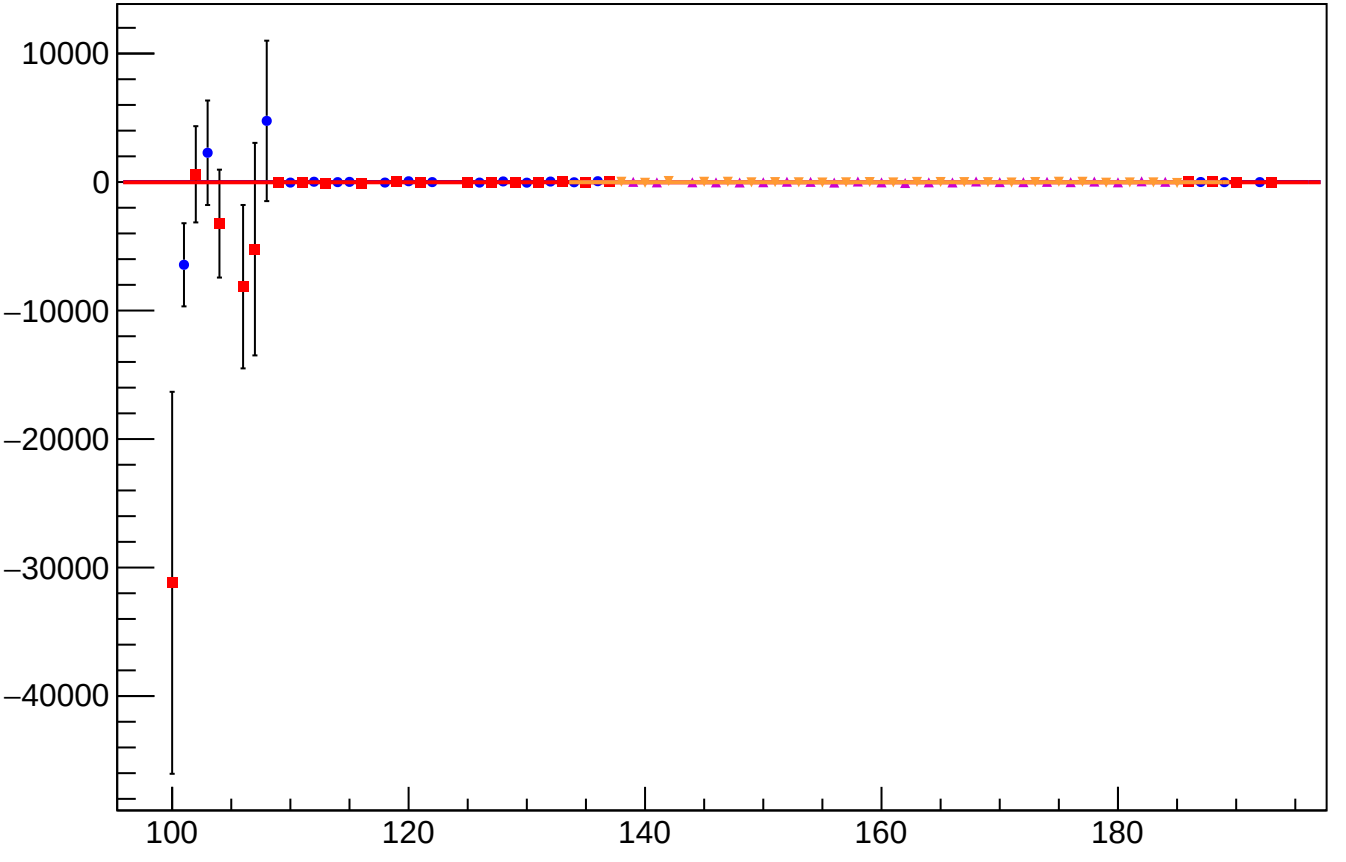
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 198.797+/-0.029 χ^2/NDF: 6118647.3/42

All: 191.579+/-0.020 χ^2/NDF: 12792994.5/87

- sign 185.274+/-0.027 χ^2/NDF: 6556811.7/44

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: -18.585+/-9.998 χ^2/NDF: 25.4/21

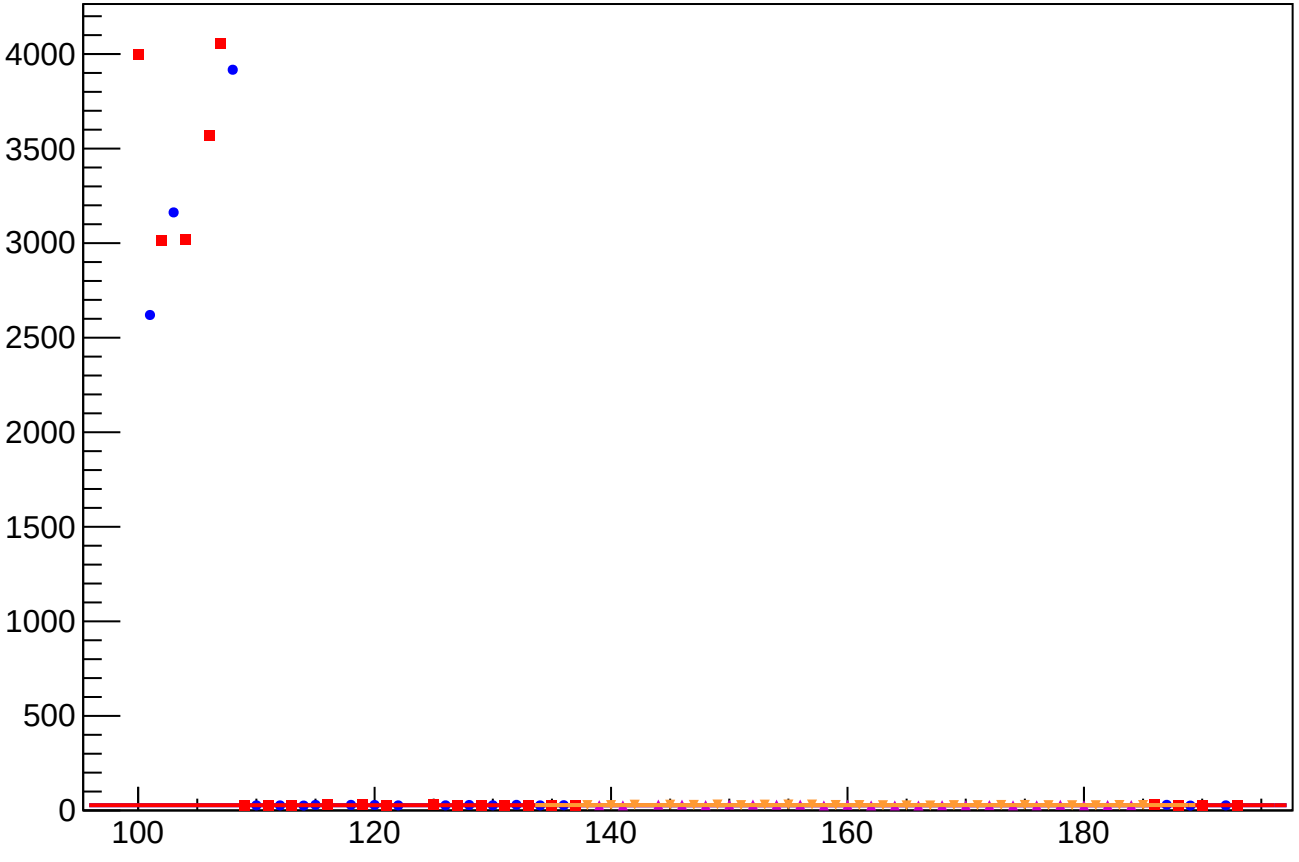
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.819+/-5.576 χ^2/NDF: 37.5/42

All: -7.194+/-3.946 χ^2/NDF: 86.9/87

- sign -7.570+/-5.584 χ^2/NDF: 49.4/44

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: 27.777+/-0.007 χ^2/NDF: 3574158.3/21

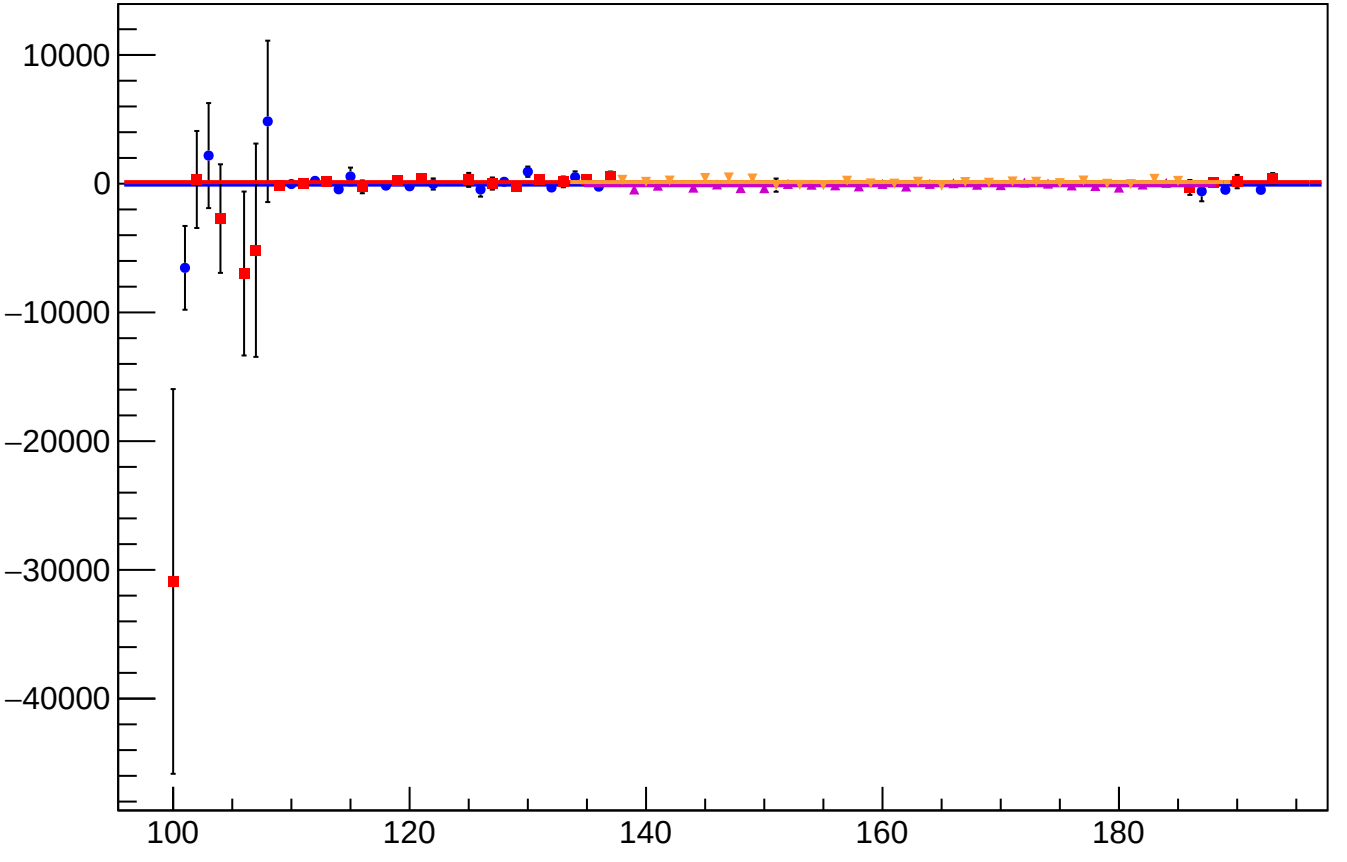
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.288+/-0.004 χ^2/NDF: 3369764.5/42

All: 28.360+/-0.003 χ^2/NDF: 7084404.2/87

\- sign 28.431+/-0.004 χ^2/NDF: 3713984.3/44

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: 123.706+/-72.879 χ^2/NDF: 14.3/21

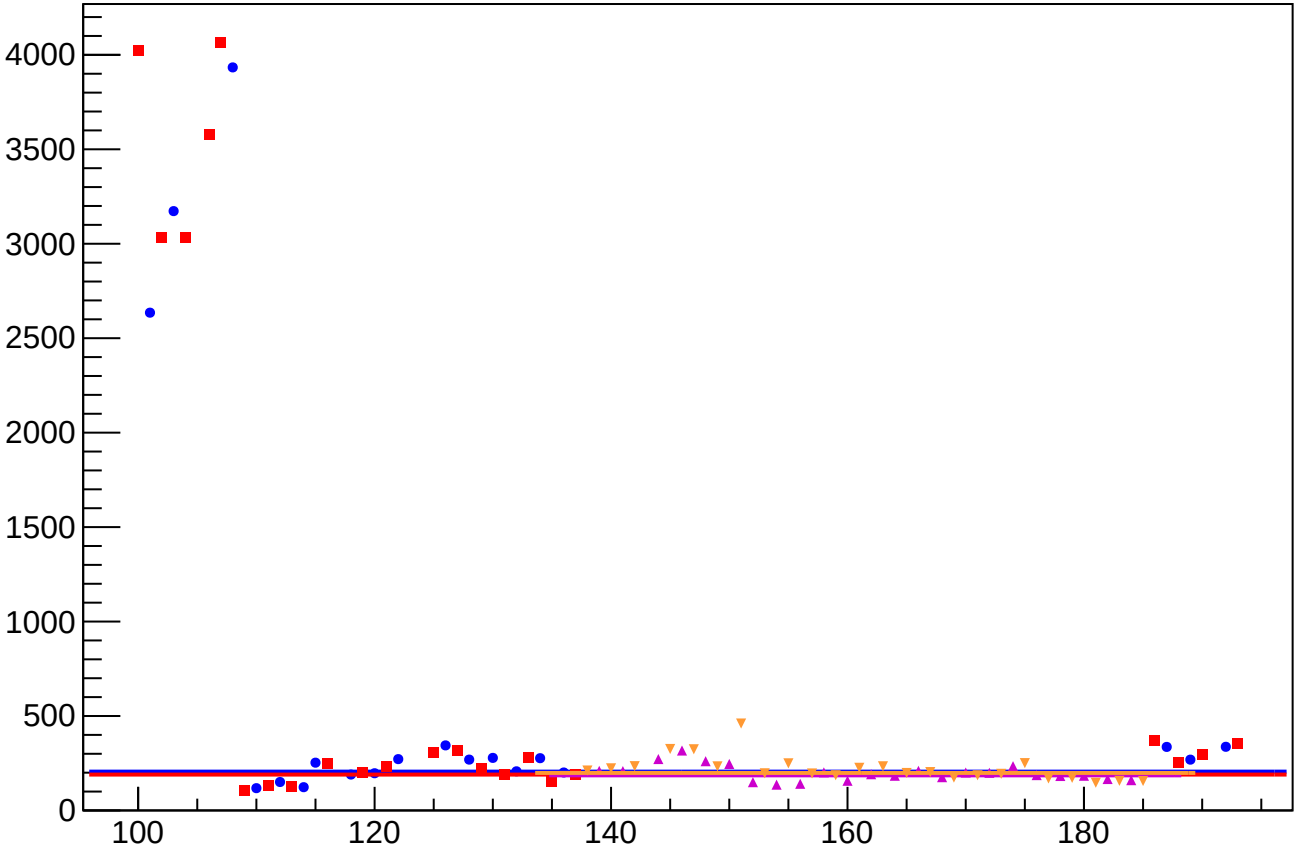
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 74.292+/-41.088 χ^2/NDF: 37.7/42

All: 5.655+/-28.059 χ^2/NDF: 73.5/87

- sign -54.331+/-38.411 χ^2/NDF: 30.6/44

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: 189.916+/-0.052 χ^2/NDF: 5084657.1/21

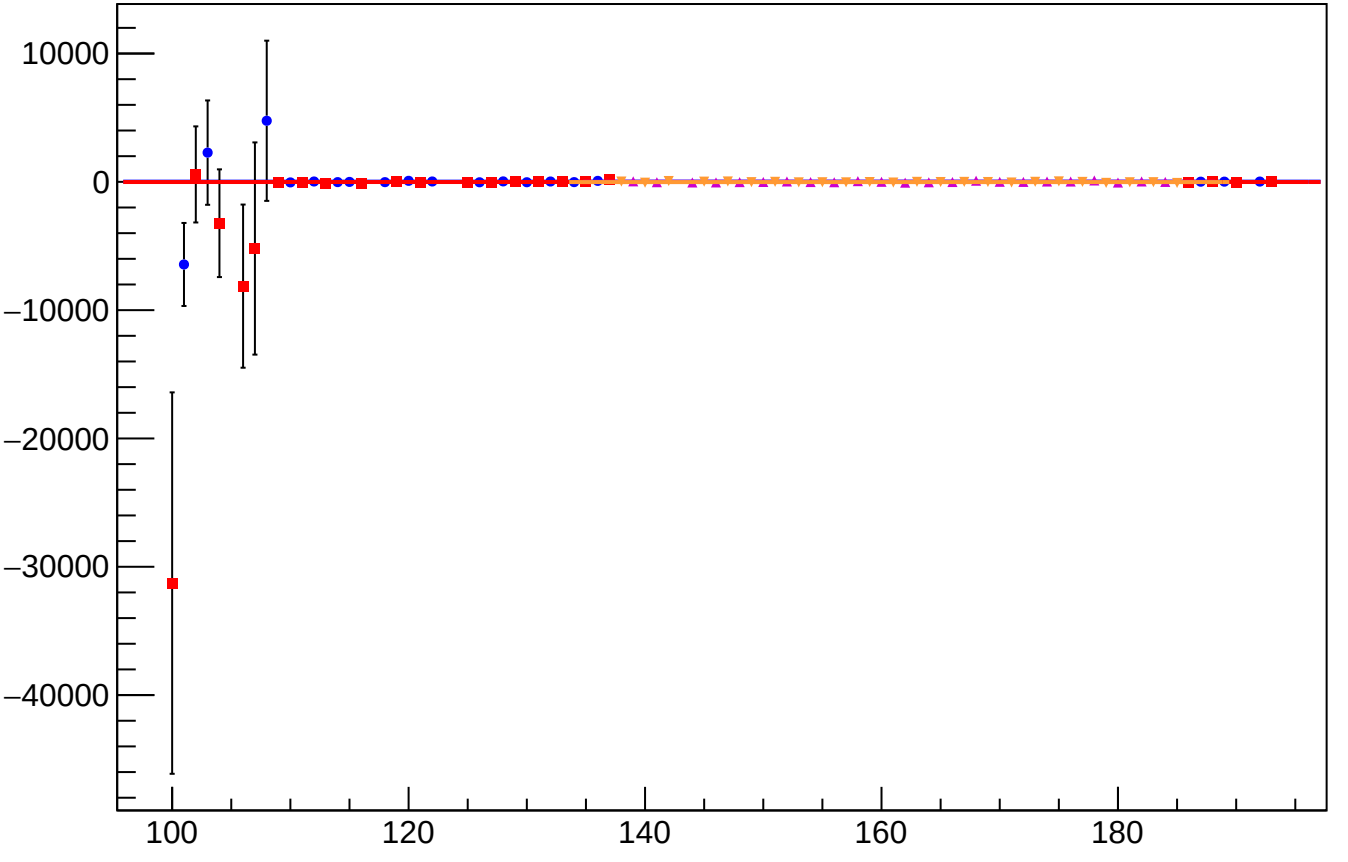
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 200.530+/-0.029 χ^2/NDF: 6076246.1/42

All: 193.307+/-0.020 χ^2/NDF: 12686693.8/87

- sign 186.995+/-0.027 χ^2/NDF: 6494631.1/44

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: -13.814+/-11.059 χ^2/NDF: 31.0/21

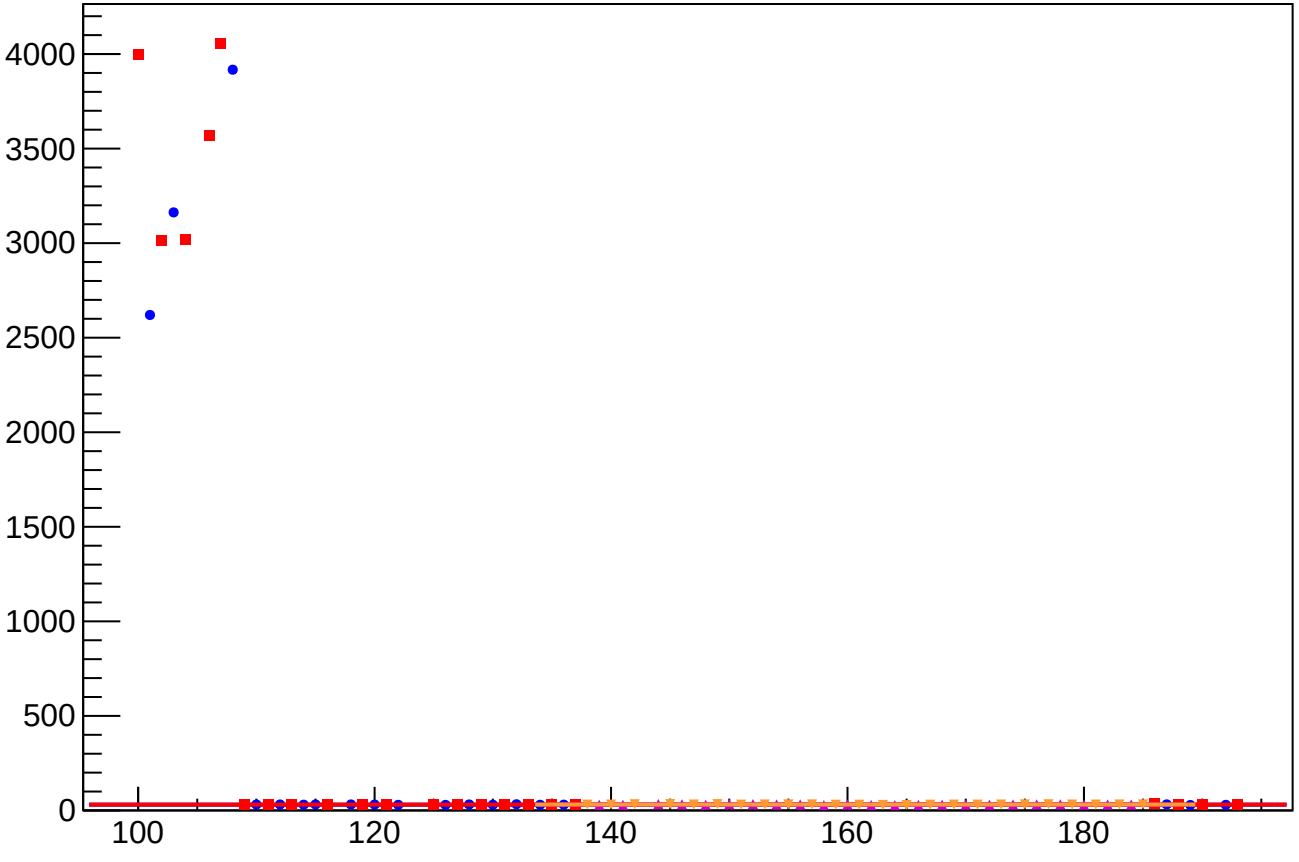
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -8.530+/-6.112 χ^2/NDF: 41.9/42

All: -5.445+/-4.325 χ^2/NDF: 110.5/87

- sign -2.351+/-6.120 χ^2/NDF: 68.0/44

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

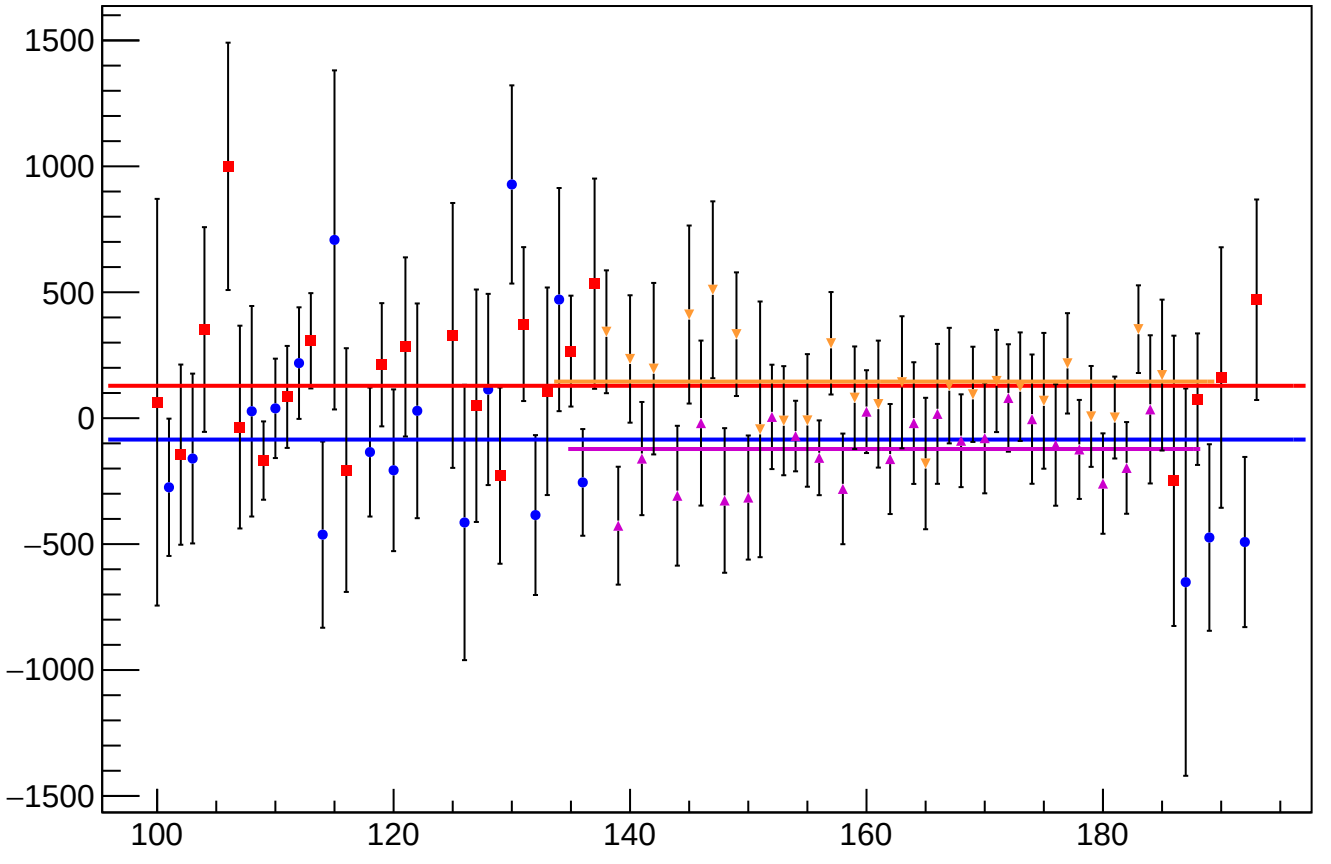
Right Out: 30.760+/-0.008 χ^2/NDF: 3549261.8/21

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 31.035+/-0.004 χ^2/NDF: 3313536.9/42

All: 31.112+/-0.003 χ^2/NDF: 6953025.3/87

\- sign 31.190+/-0.004 χ^2/NDF: 3638845.9/44



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: 128.640+/-65.170 χ^2/NDF: 14.0/21

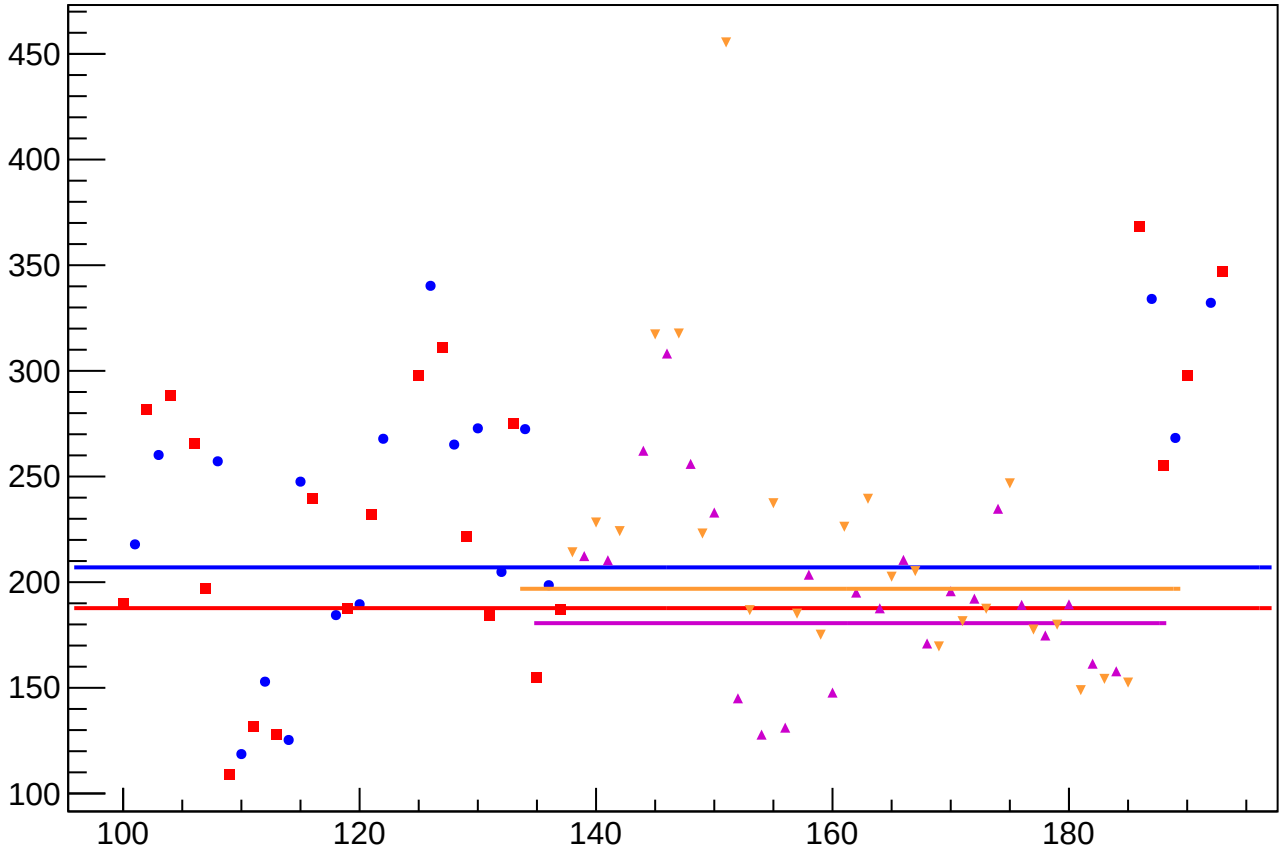
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 77.537+/-39.807 χ^2/NDF: 35.3/42

All: 11.759+/-26.908 χ^2/NDF: 72.4/87

- sign -43.582+/-36.513 χ^2/NDF: 32.0/44

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: 187.713+/-0.046 χ^2/NDF: 2358309.9/21

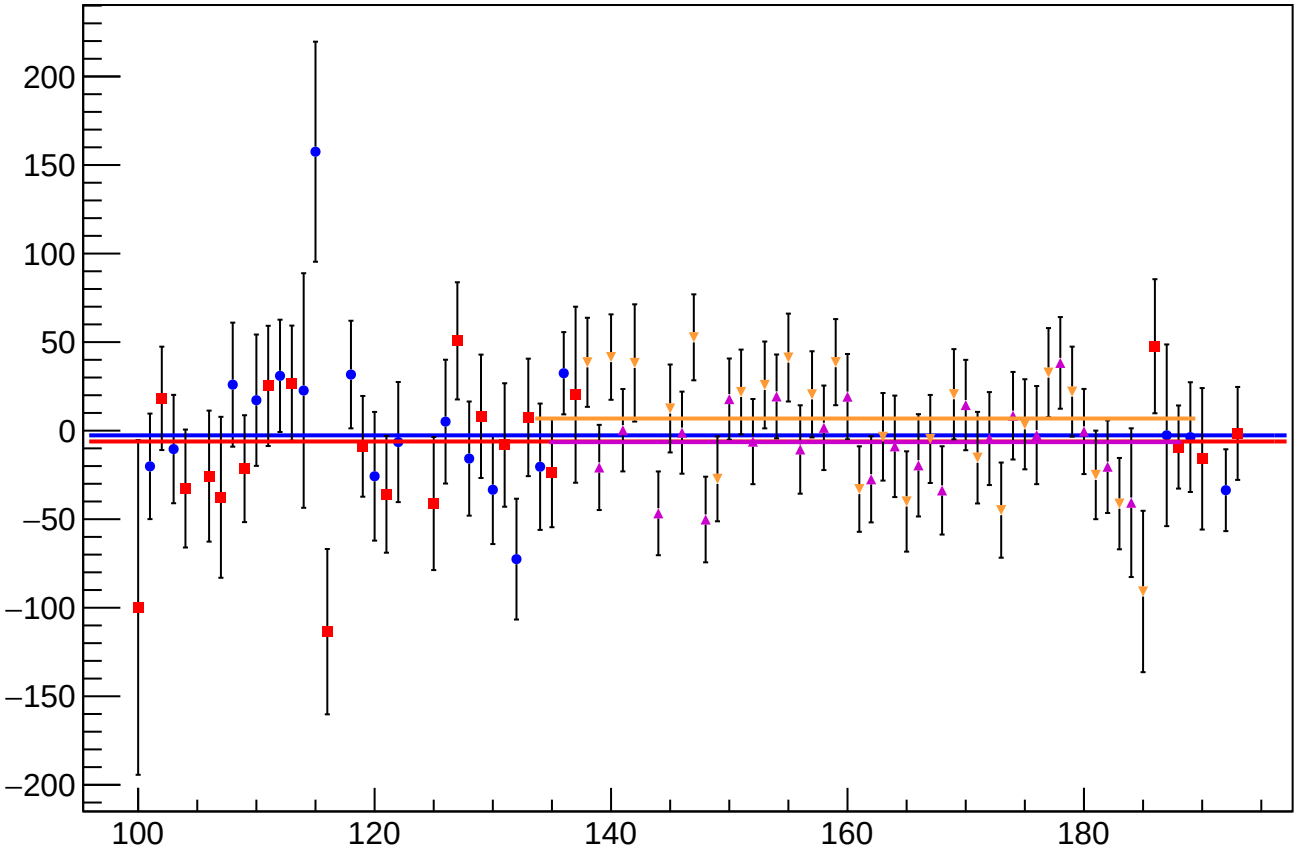
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

\+ sign 199.856+/-0.028 χ^2/NDF: 3173512.4/42

All: 190.611+/-0.019 χ^2/NDF: 7374842.9/87

\- sign 182.834+/-0.026 χ^2/NDF: 4002723.4/44

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: -6.111+/-7.225 χ^2/NDF: 18.2/21

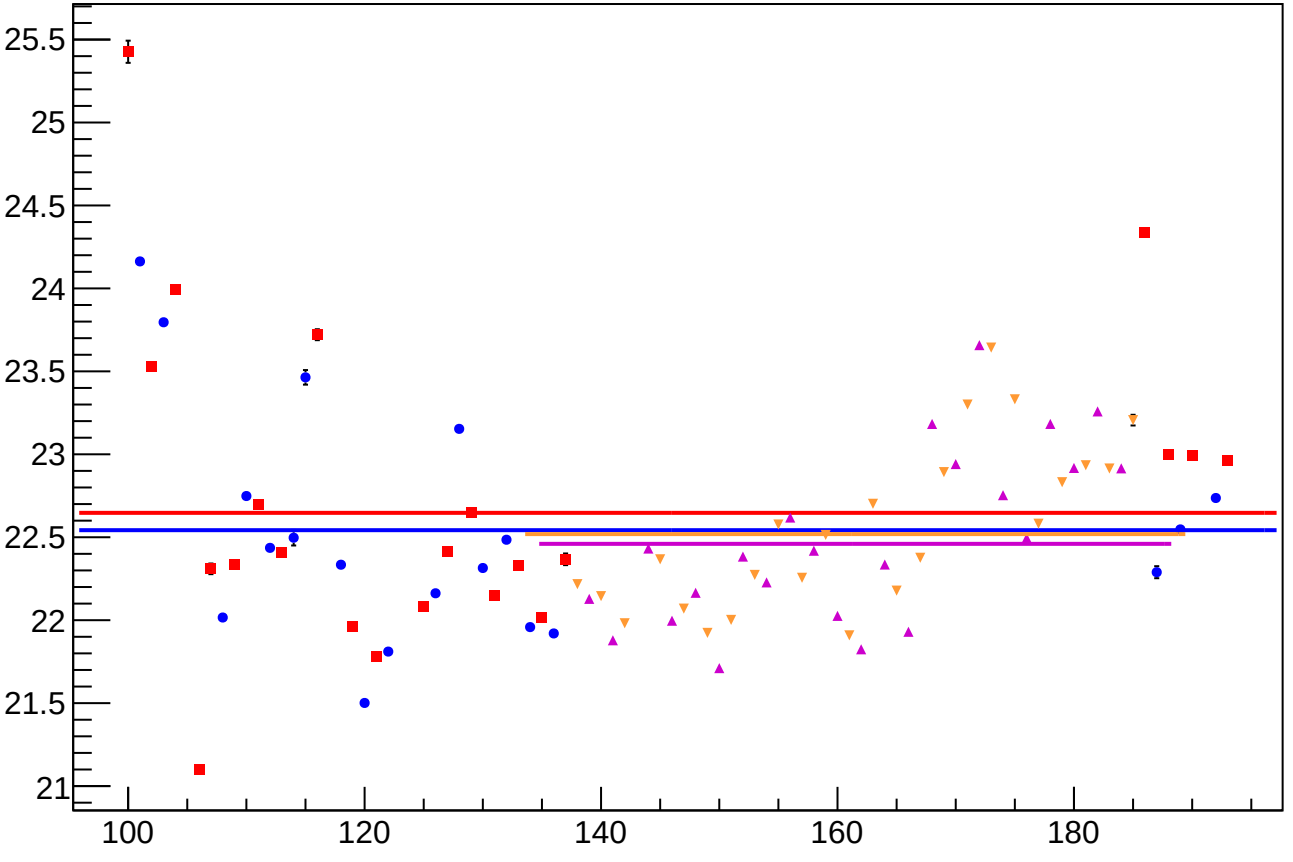
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 3.770+/-4.298 χ^2/NDF: 58.6/42

All: -1.354+/-3.020 χ^2/NDF: 97.1/87

- sign -6.354+/-4.245 χ^2/NDF: 35.7/44

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: 22.647+/-0.005 χ^2/NDF: 21273.7/21

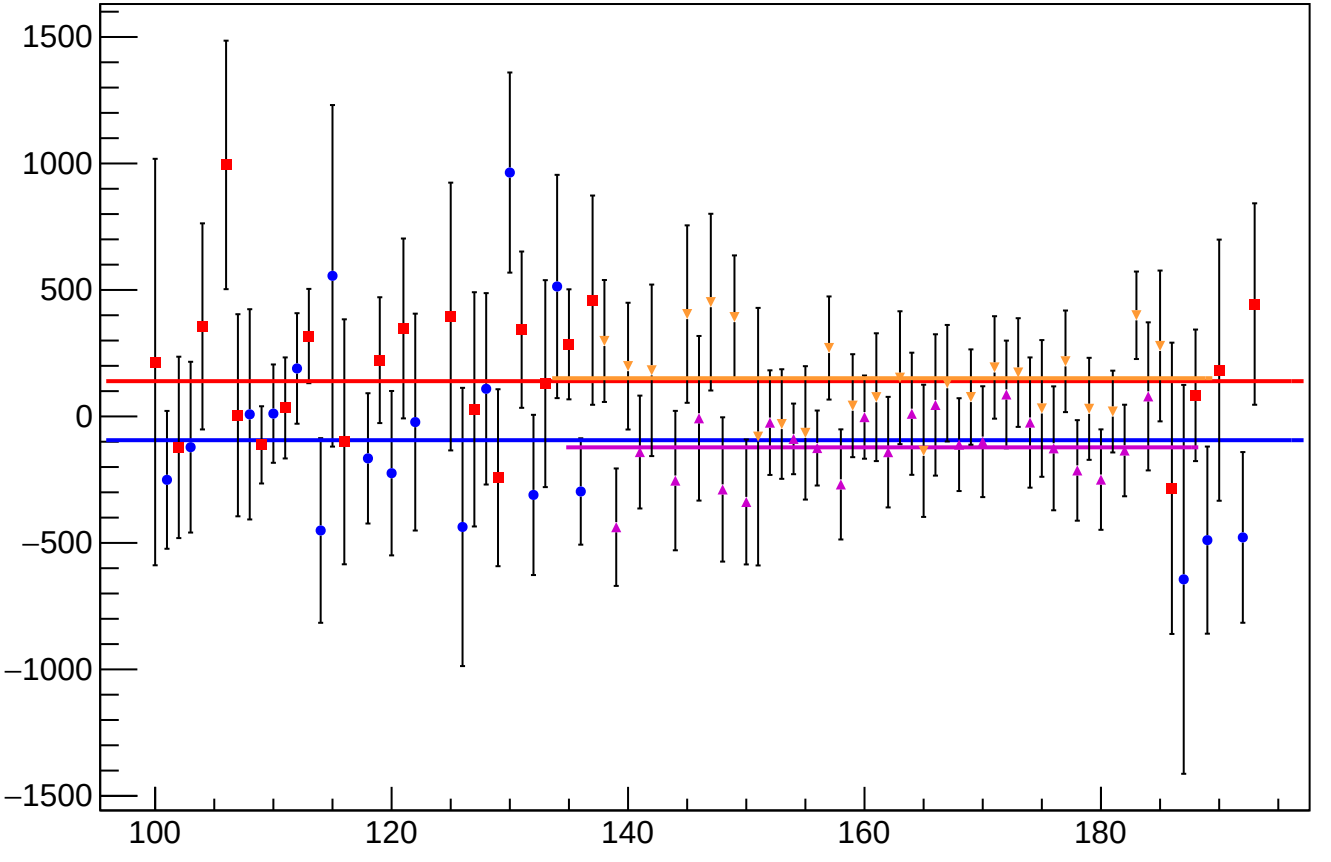
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.527+/-0.003 χ^2/NDF: 32159.3/42

All: 22.526+/-0.002 χ^2/NDF: 73426.5/87

- sign 22.525+/-0.003 χ^2/NDF: 41266.9/44

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: 139.451+/-64.740 χ^2/NDF: 12.7/21

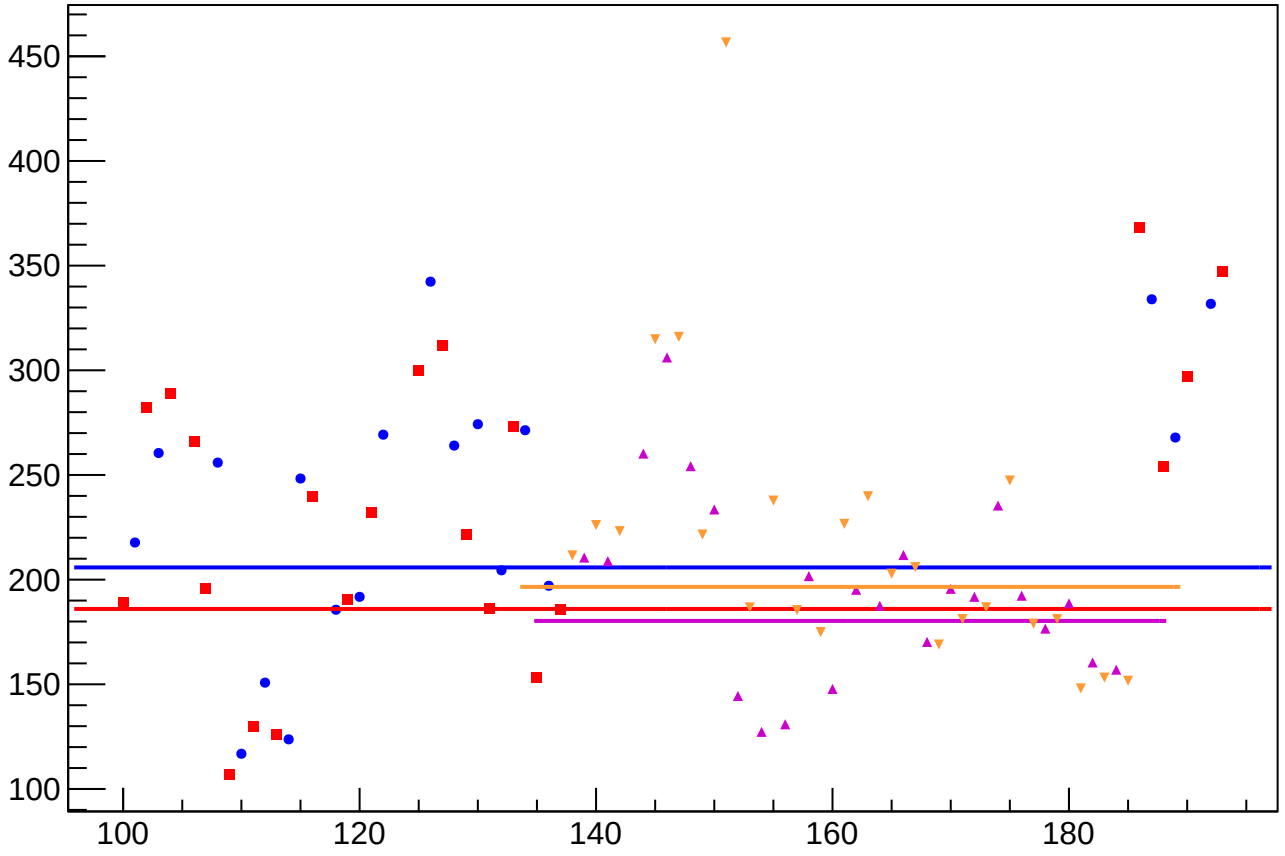
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 78.705+/-39.715 χ^2/NDF: 36.5/42

All: 14.462+/-26.832 χ^2/NDF: 72.7/87

- sign -39.489+/-36.394 χ^2/NDF: 31.4/44

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: 185.994+/-0.046 χ^2/NDF: 2443604.8/21

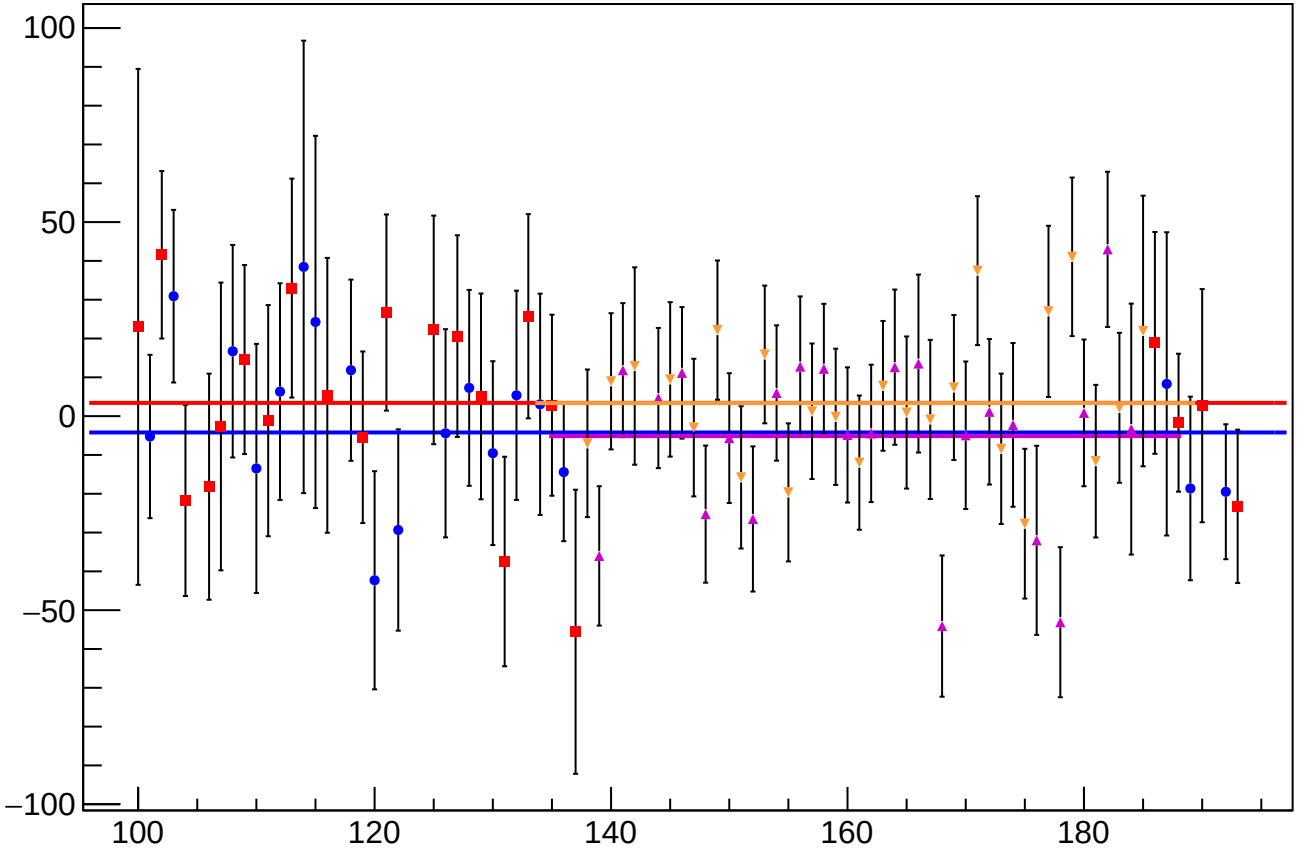
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

\+ sign 199.283+/-0.028 χ^2/NDF: 3219717.9/42

All: 189.933+/-0.019 χ^2/NDF: 7502597.7/87

\- sign 182.082+/-0.026 χ^2/NDF: 4078965.5/44

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: 3.417+/-5.596 χ^2/NDF: 15.8/21

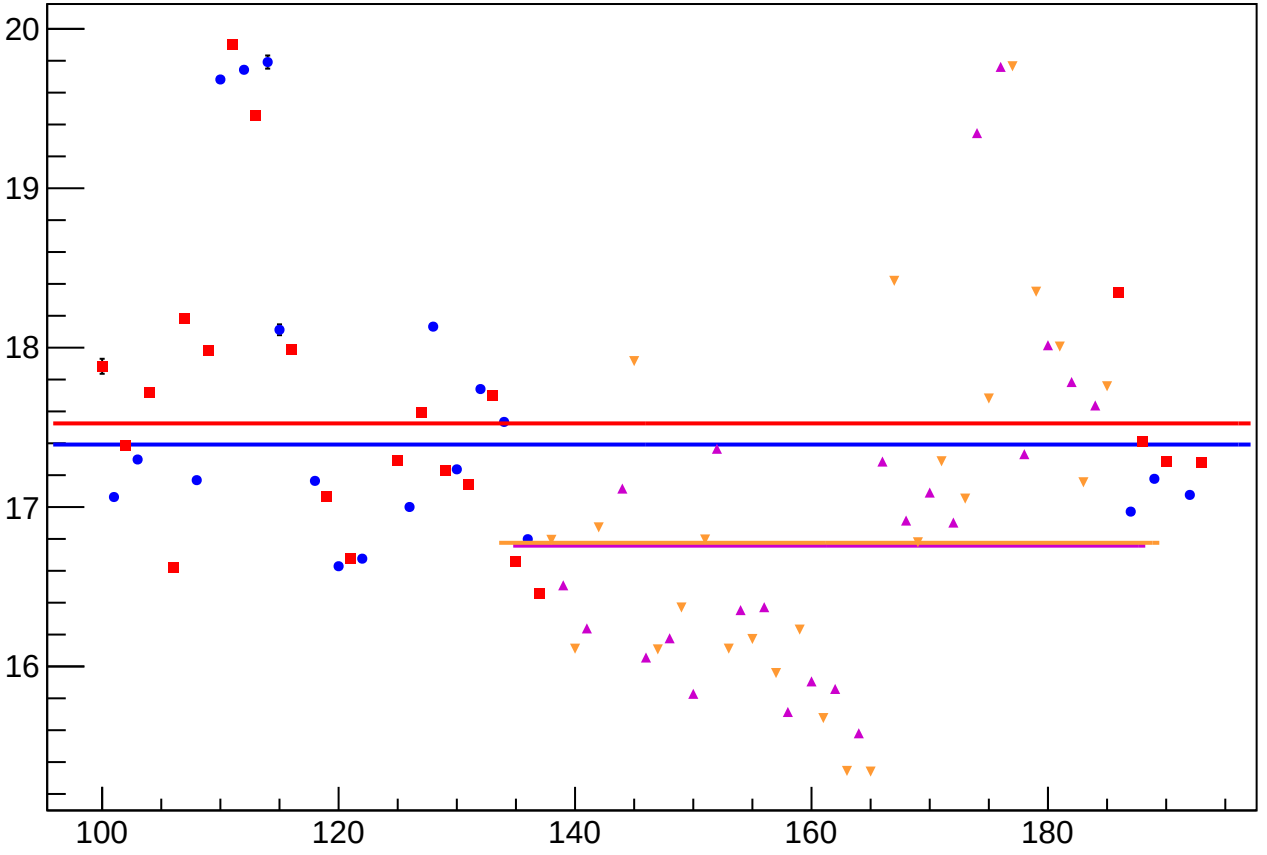
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 1.016+/-3.244 χ^2/NDF: 28.3/42

All: -0.671+/-2.283 χ^2/NDF: 78.5/87

- sign -2.327+/-3.213 χ^2/NDF: 49.7/44

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: 17.525+/-0.004 χ^2/NDF: 36650.5/21

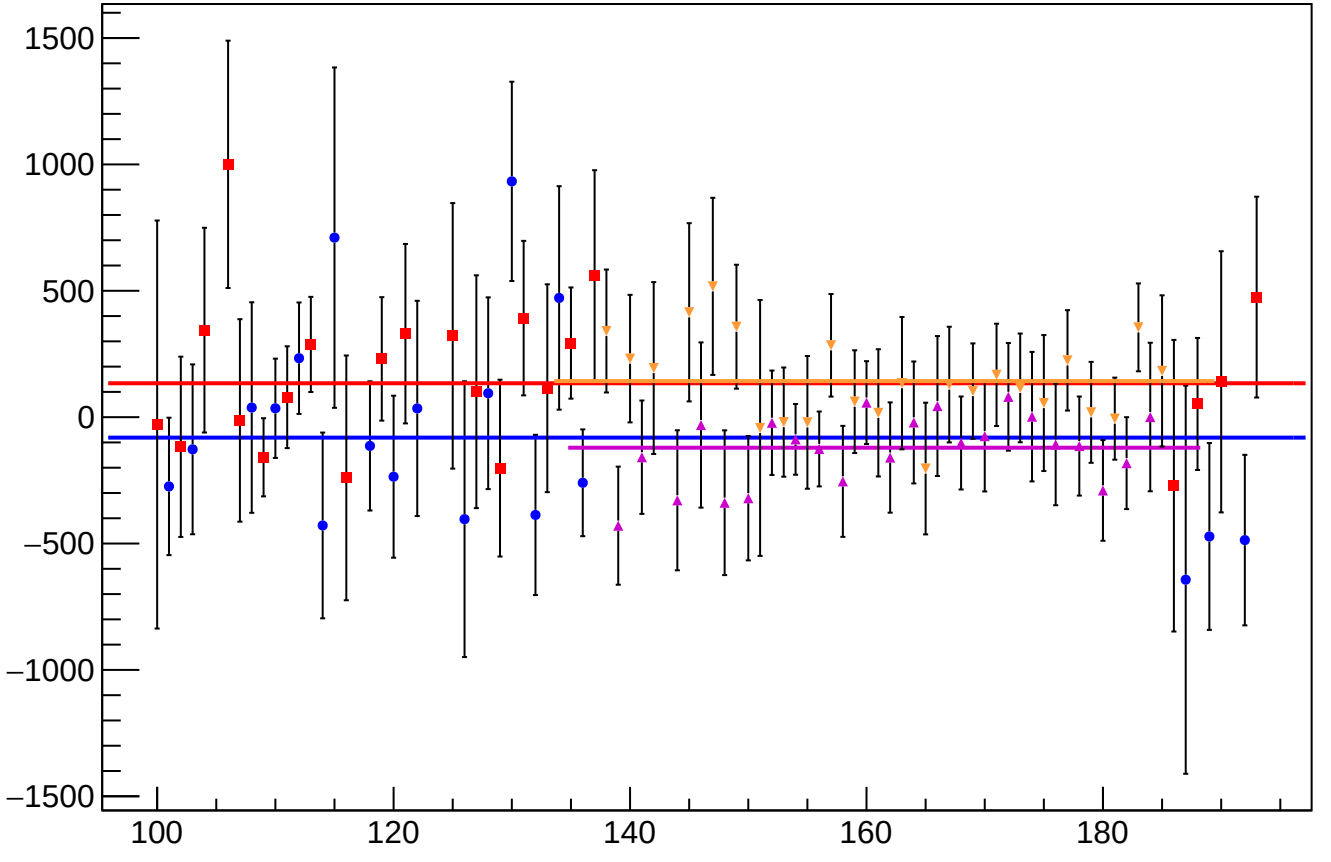
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.967+/-0.002 χ^2/NDF: 189534.4/42

All: 16.989+/-0.002 χ^2/NDF: 374859.2/87

- sign 17.011+/-0.002 χ^2/NDF: 185139.5/44

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: 134.147+/-64.981 χ^2/NDF: 14.1/21

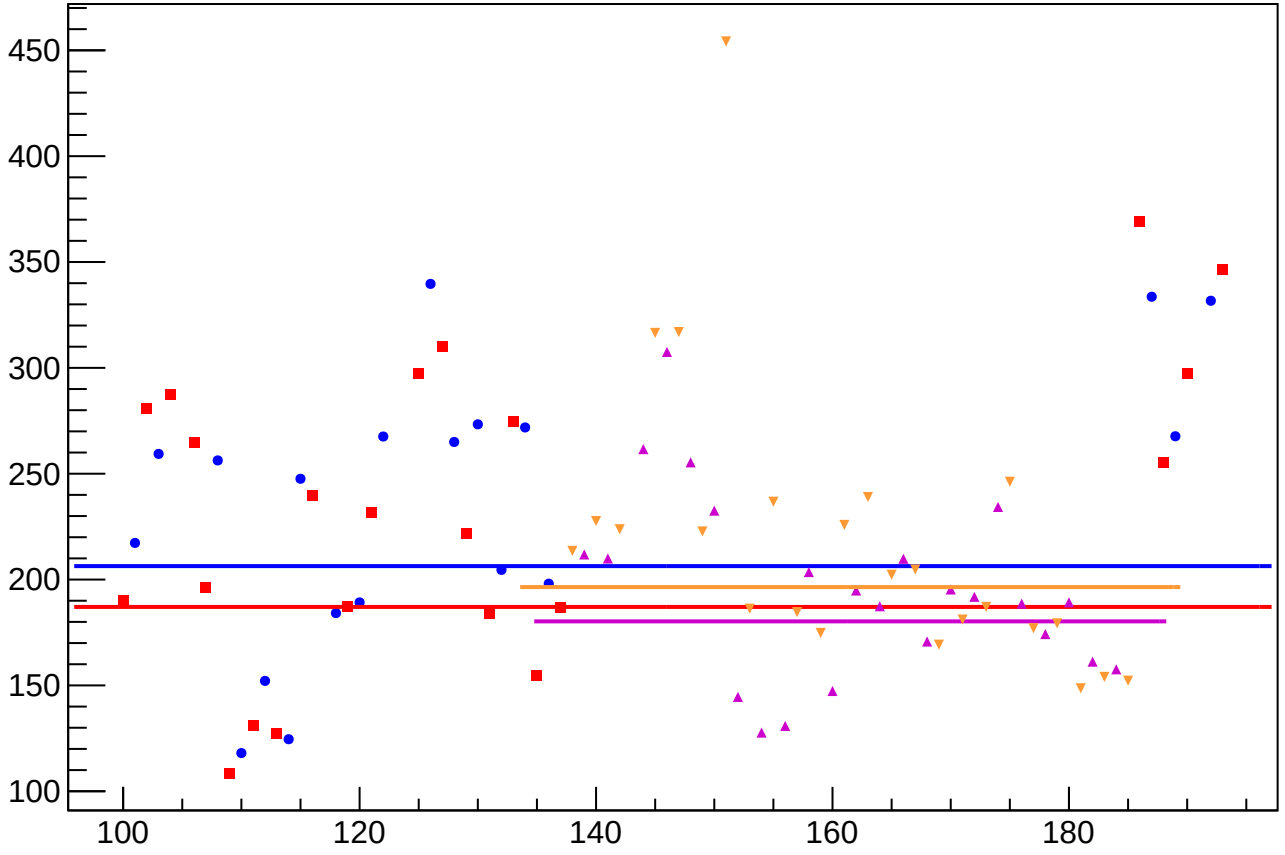
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 76.807+/-39.714 χ^2/NDF: 35.8/42

All: 12.980+/-26.846 χ^2/NDF: 73.5/87

- sign -40.729+/-36.430 χ^2/NDF: 32.9/44

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: 187.072+/-0.046 χ^2/NDF: 2375755.2/21

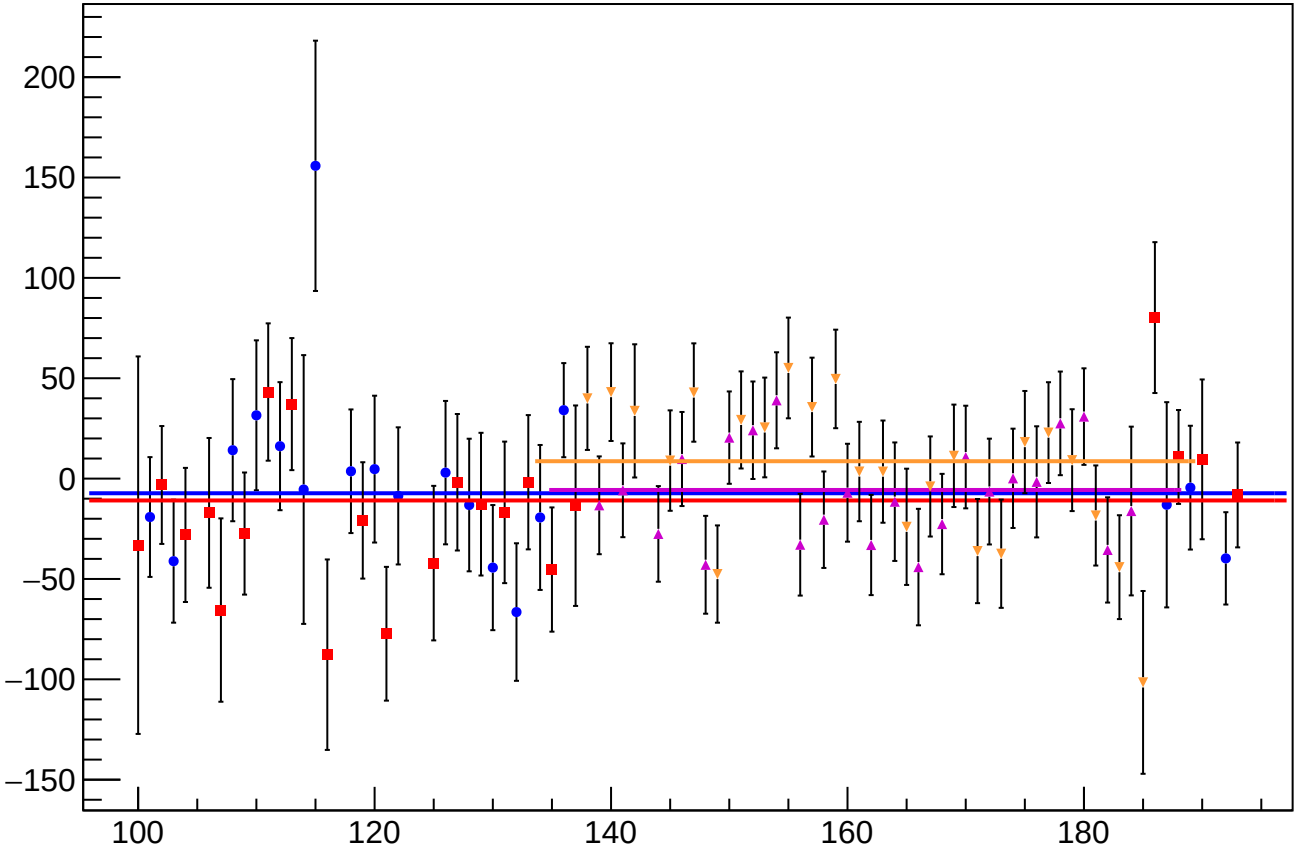
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 199.368+/-0.028 χ^2/NDF: 3183436.2/42

All: 190.150+/-0.019 χ^2/NDF: 7400536.9/87

- sign 182.393+/-0.026 χ^2/NDF: 4018656.3/44

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: -10.885+/-7.280 χ^2/NDF: 22.6/21

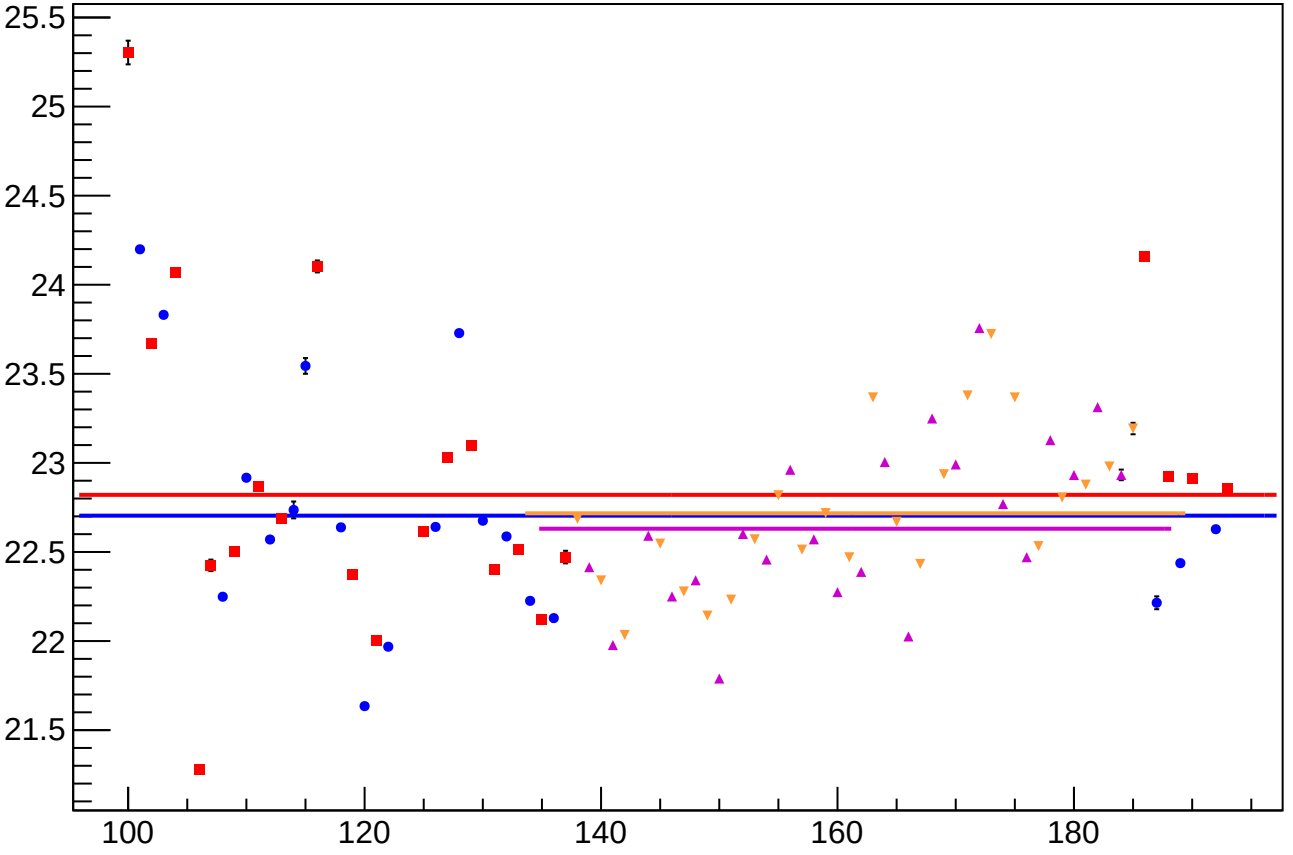
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 3.474+/-4.333 χ^2/NDF: 62.3/42

All: -2.068+/-3.044 χ^2/NDF: 109.3/87

- sign -7.469+/-4.278 χ^2/NDF: 43.7/44

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: 22.821+/-0.005 χ^2/NDF: 17201.3/21

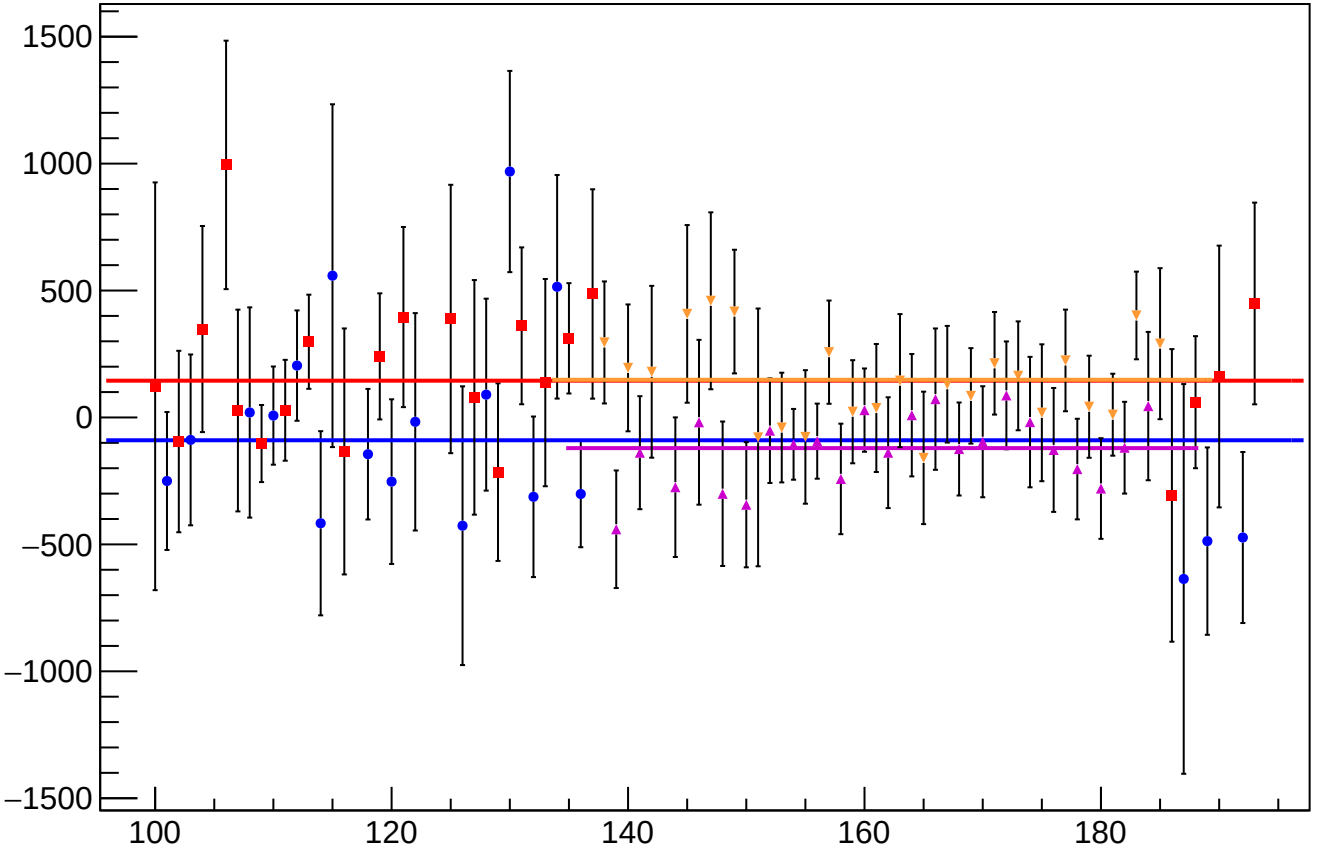
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.713+/-0.003 χ^2/NDF: 27211.9/42

All: 22.704+/-0.002 χ^2/NDF: 60712.3/87

- sign 22.696+/-0.003 χ^2/NDF: 33485.7/44

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: 144.870+/-64.548 χ^2/NDF: 12.8/21

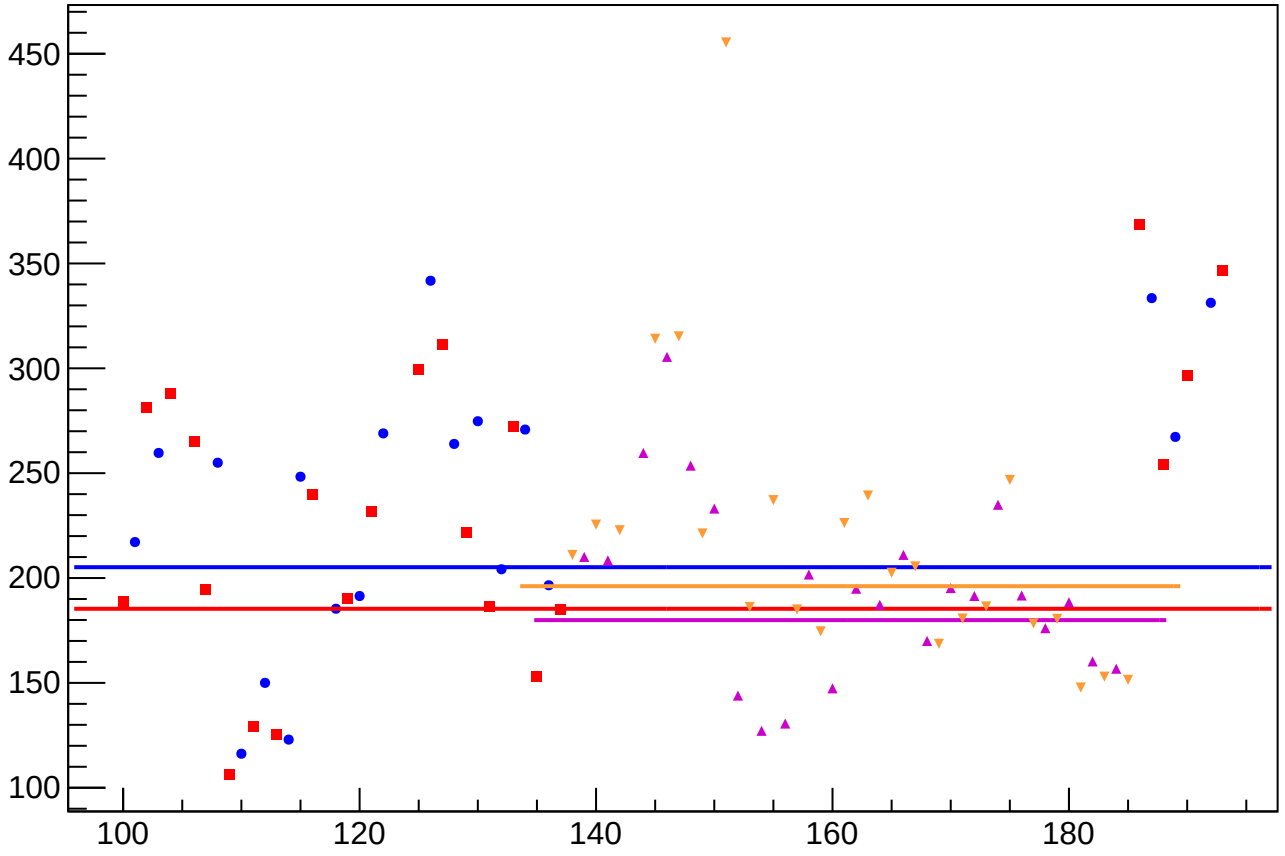
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 77.952+/-39.621 χ^2/NDF: 37.1/42

All: 15.640+/-26.770 χ^2/NDF: 74.0/87

- sign -36.697+/-36.311 χ^2/NDF: 32.3/44

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: 185.340+/-0.046 χ^2/NDF: 2462033.5/21

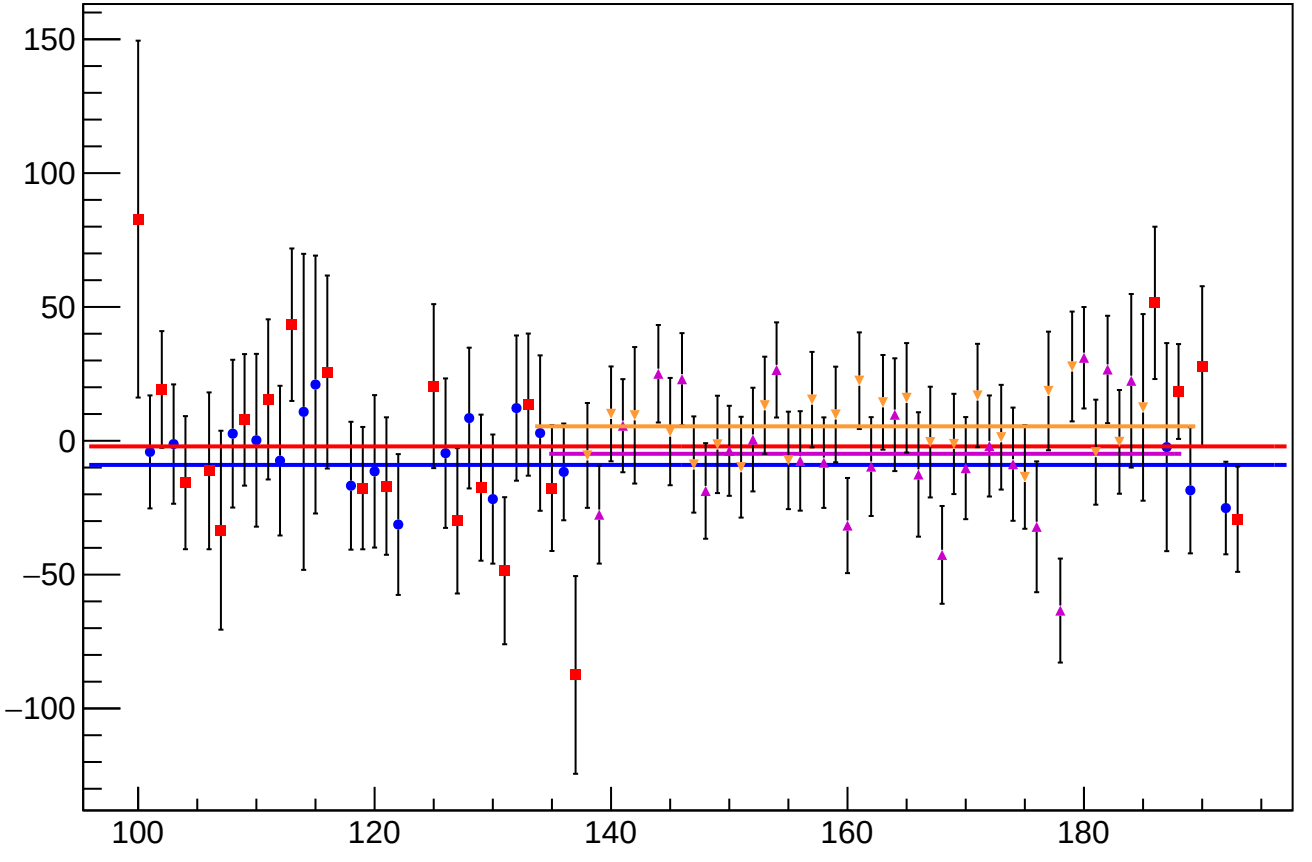
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 198.792+/-0.028 χ^2/NDF: 3230351.2/42

All: 189.468+/-0.019 χ^2/NDF: 7529918.1/87

- sign 181.637+/-0.026 χ^2/NDF: 4095803.2/44

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: -2.094+/-5.660 χ^2/NDF: 26.8/21

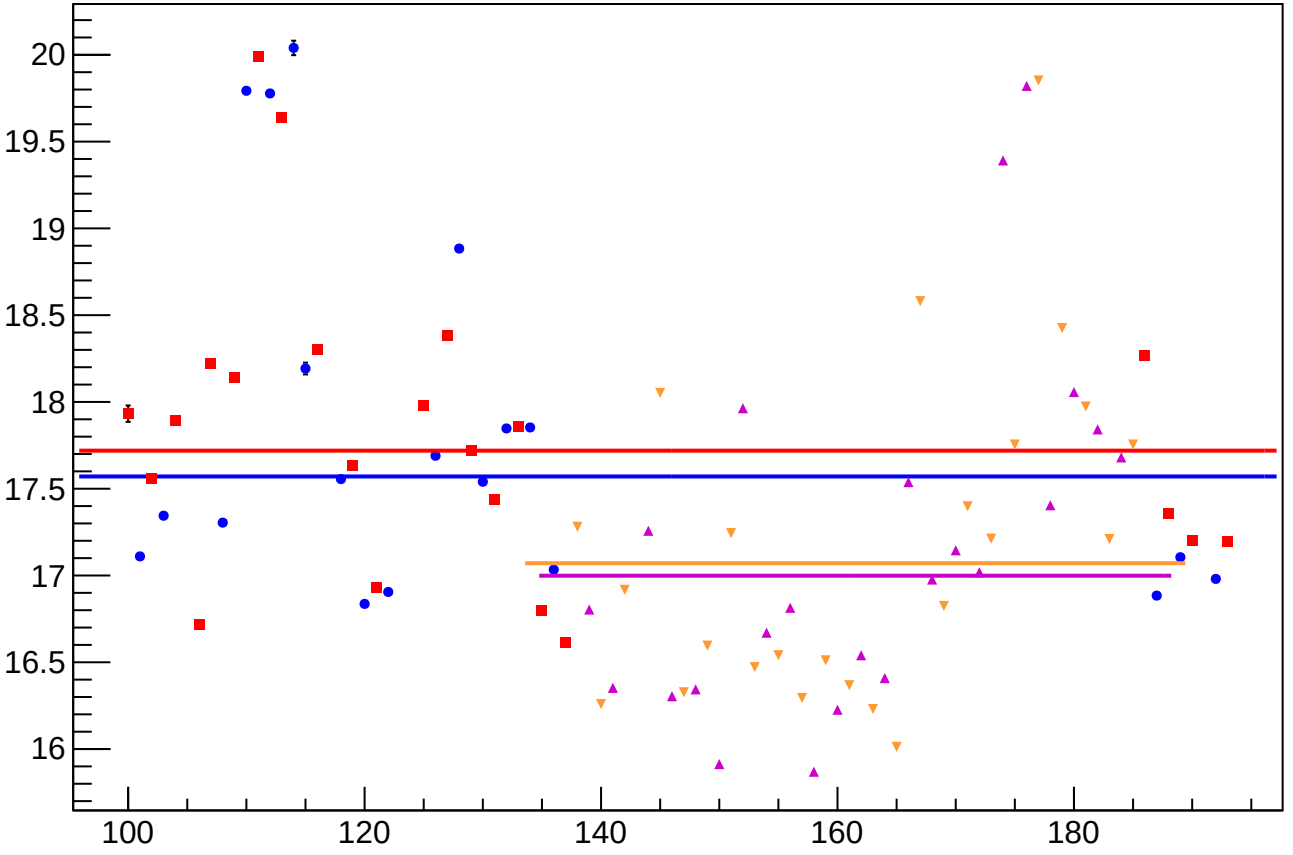
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.899+/-3.293 χ^2/NDF: 16.3/42

All: -1.550+/-2.315 χ^2/NDF: 79.9/87

- sign -3.943+/-3.256 χ^2/NDF: 62.5/44

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: 17.719+/-0.004 χ^2/NDF: 36585.1/21

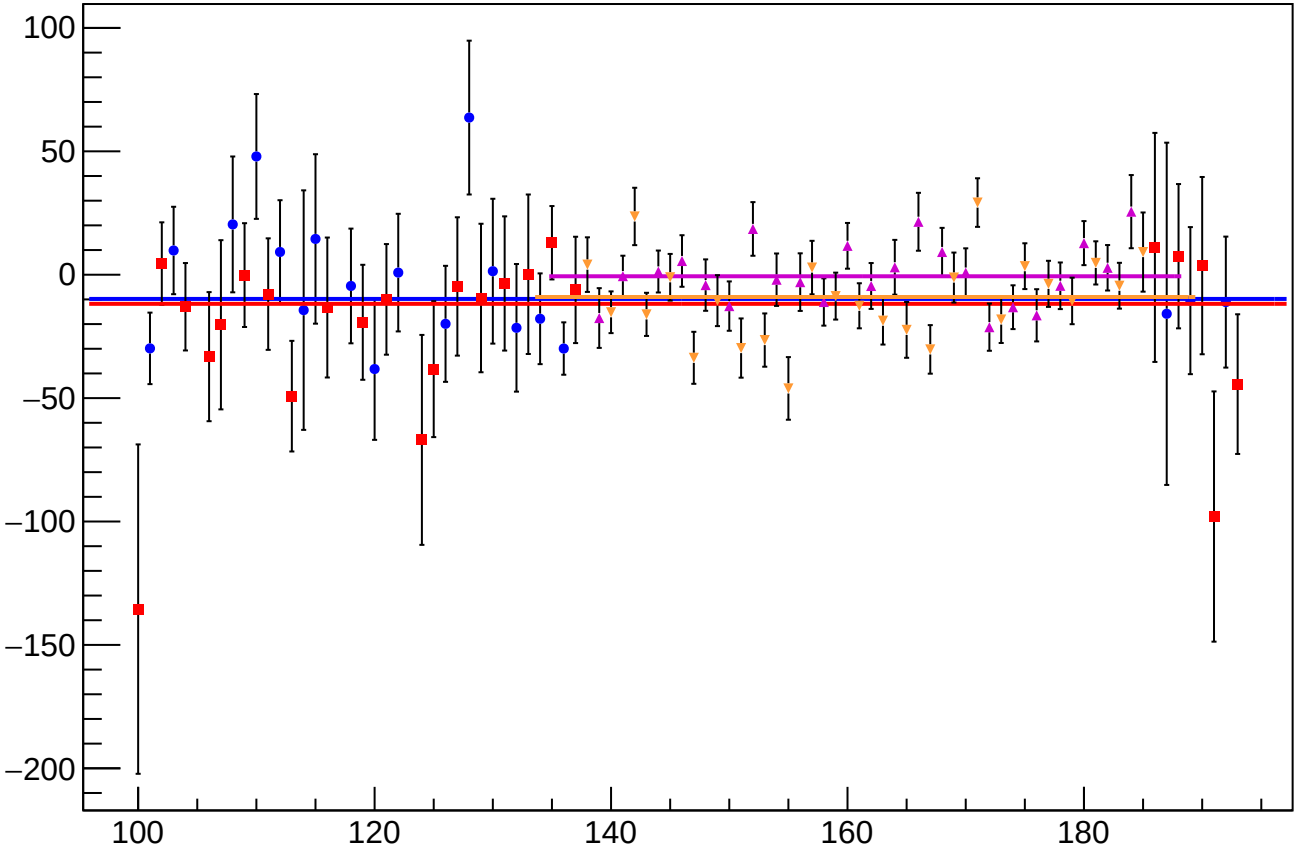
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.227+/-0.002 χ^2/NDF: 146863.1/42

All: 17.232+/-0.002 χ^2/NDF: 309175.0/87

\- sign 17.237+/-0.002 χ^2/NDF: 162302.2/44

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: -11.794+/-5.138 χ^2/NDF: 19.2/23

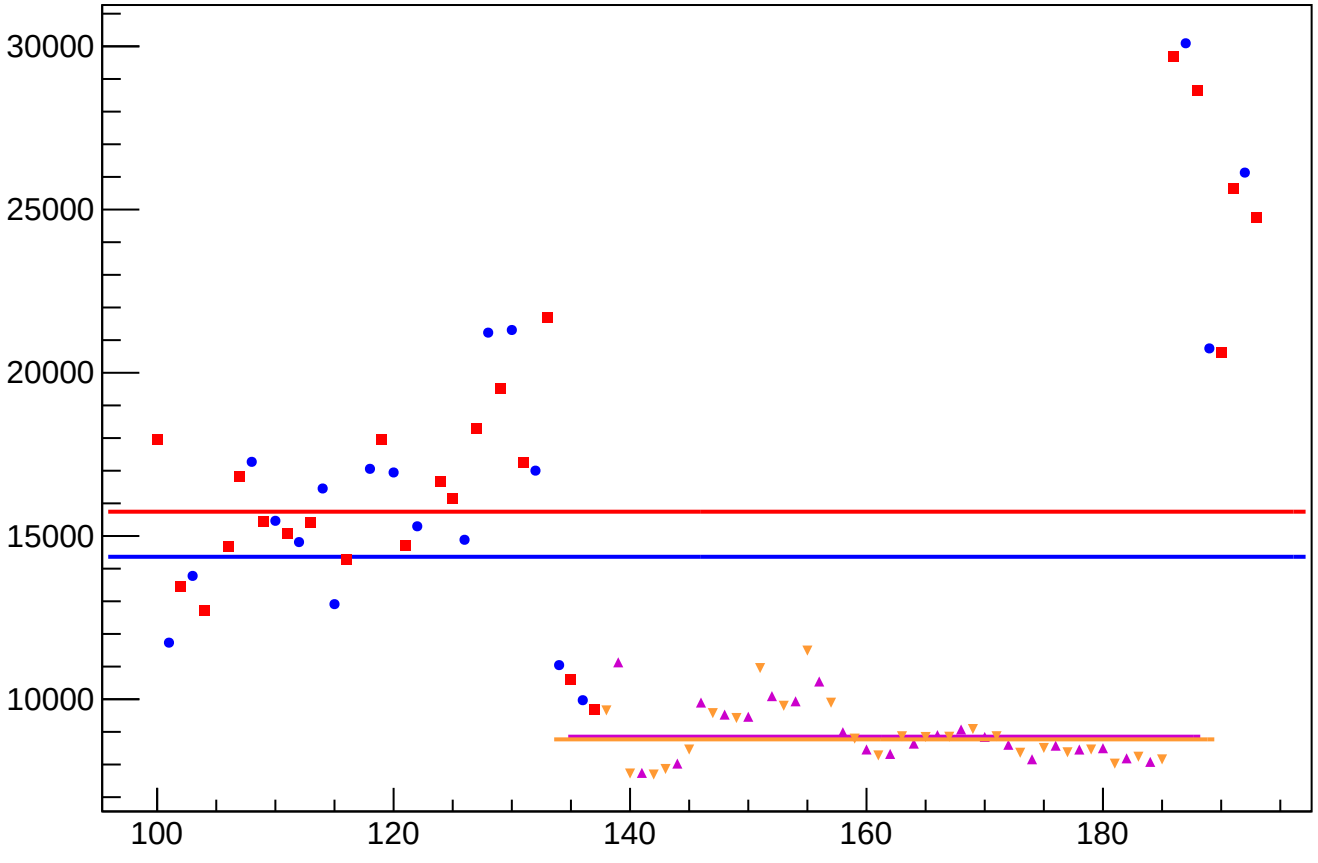
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.134+/-1.864 χ^2/NDF: 84.0/43

All: -5.782+/-1.340 χ^2/NDF: 143.4/90

- sign -2.199+/-1.927 χ^2/NDF: 52.7/46

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

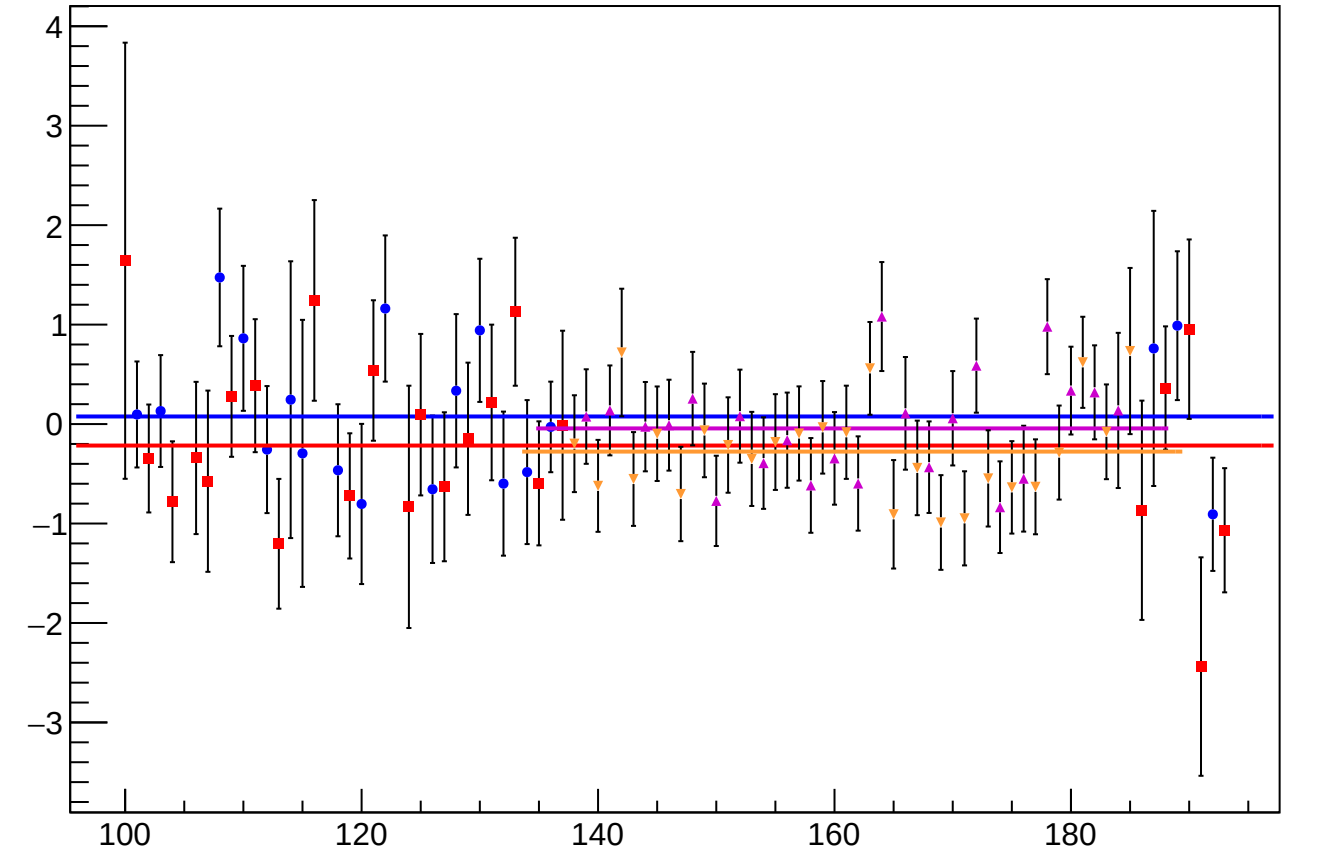
Right Out: 15744.566+/-3.633 χ^2/NDF: 1537516.1/23

Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9534.256+/-1.318 χ^2/NDF: 3843262.2/43

All: 9673.721+/-0.948 χ^2/NDF: 8796142.5/90

- sign 9822.774+/-1.363 χ^2/NDF: 4929728.0/46



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: -0.216+/-0.153 χ^2/NDF: 23.0/23

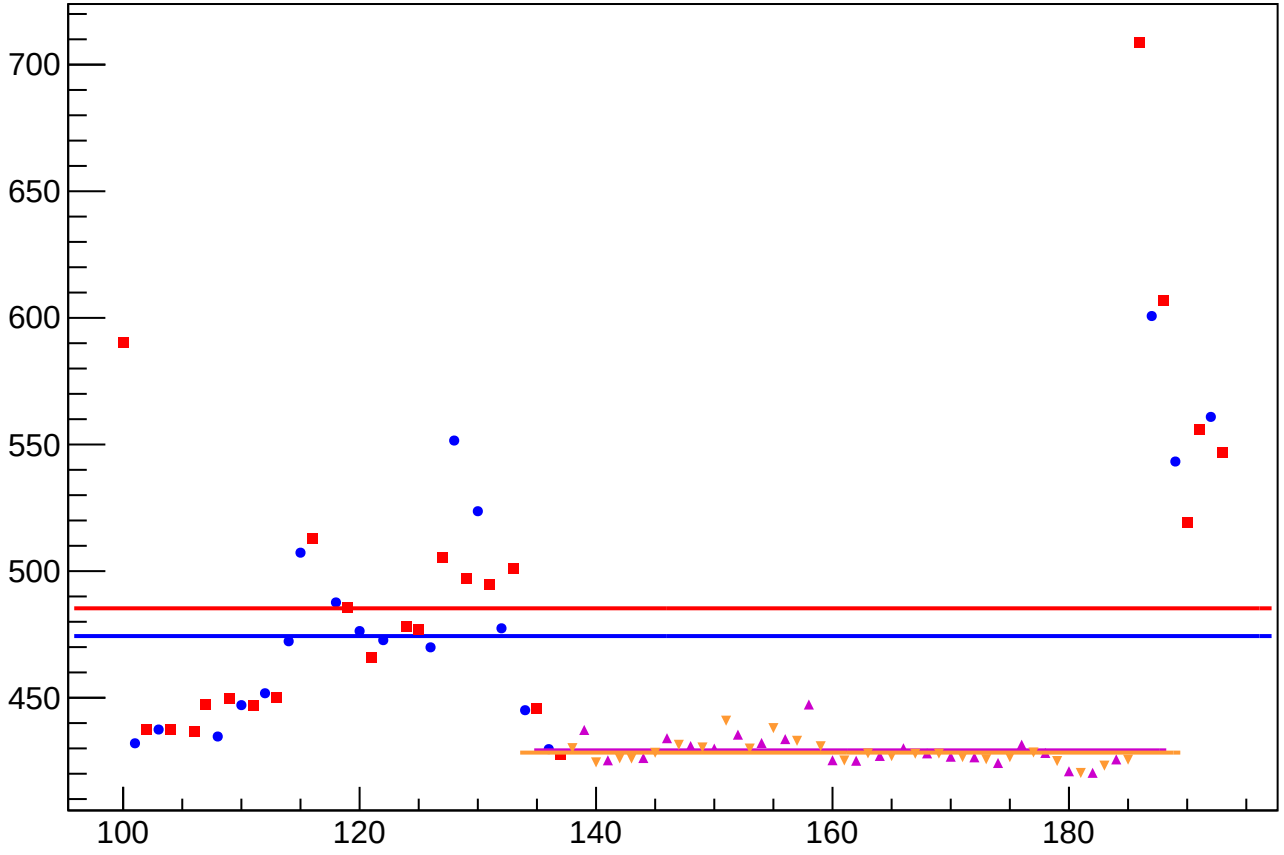
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.181+/-0.083 χ^2/NDF: 43.0/43

All: -0.139+/-0.059 χ^2/NDF: 91.3/90

- sign -0.096+/-0.084 χ^2/NDF: 47.7/46

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: 485.320+/-0.108 χ^2/NDF: 274479.1/23

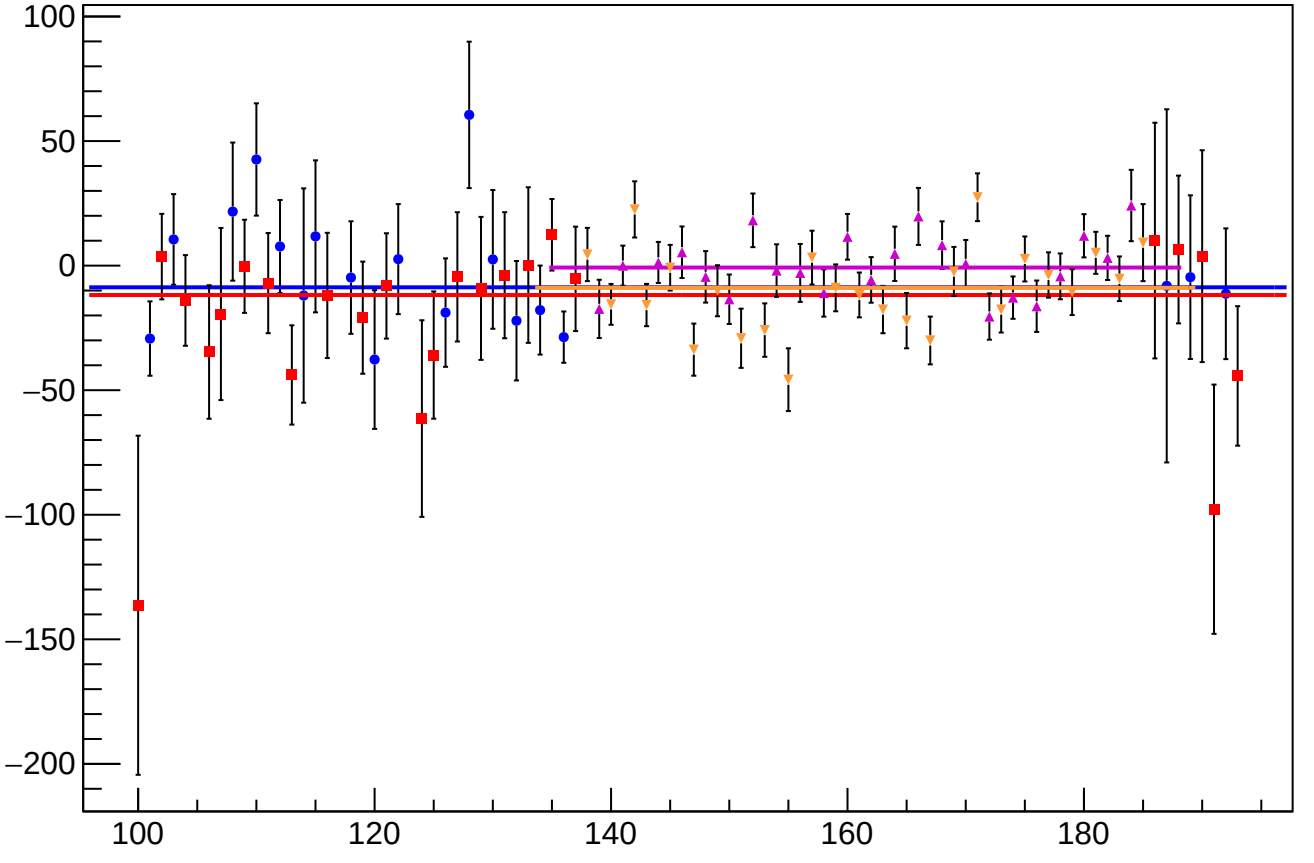
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 440.825+/-0.059 χ^2/NDF: 292440.5/43

All: 443.448+/-0.042 χ^2/NDF: 766279.0/90

- sign 446.117+/-0.059 χ^2/NDF: 469815.5/46

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

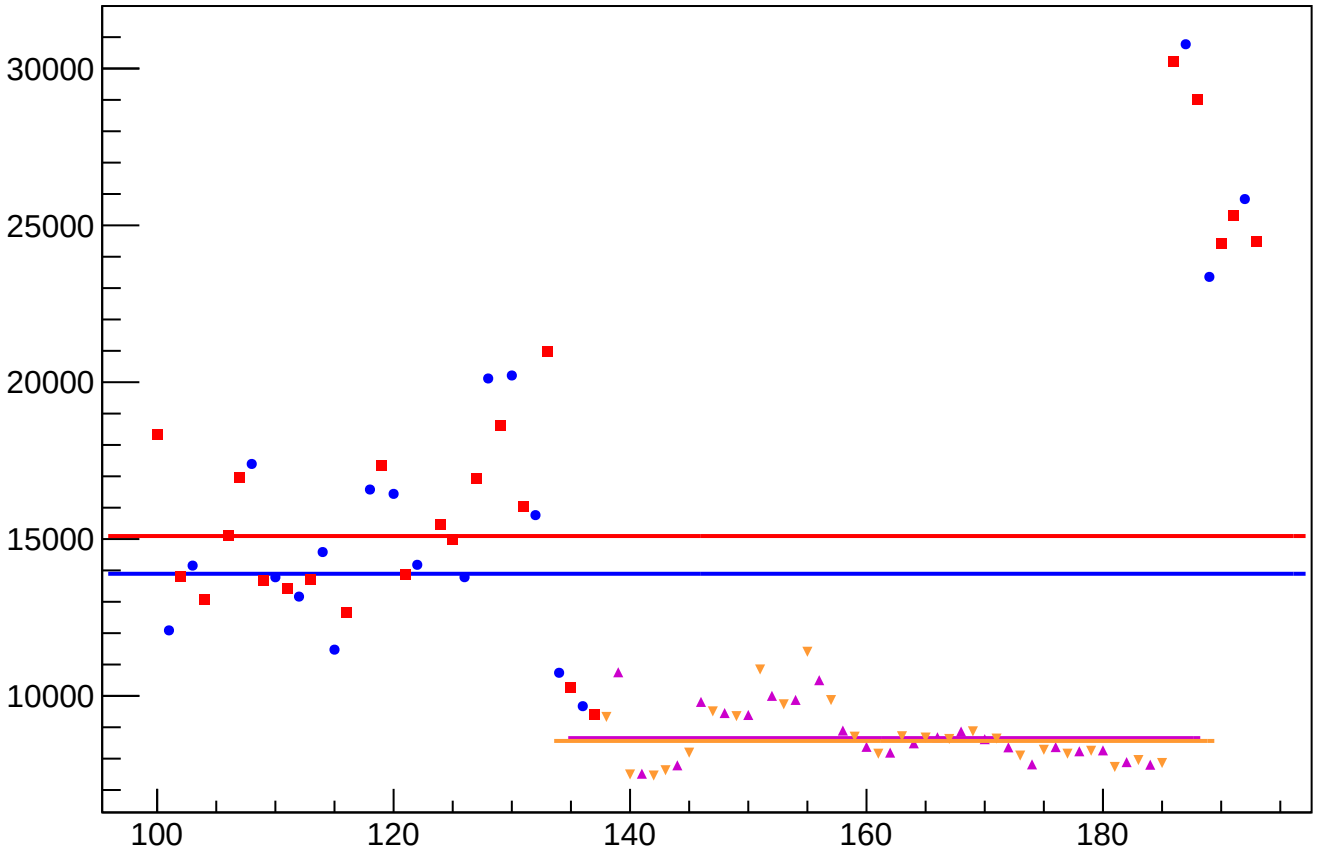
Right Out: -11.794+/-4.944 χ^2/NDF: 18.9/23

Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -8.876+/-1.819 χ^2/NDF: 83.9/43

All: -5.730+/-1.308 χ^2/NDF: 142.5/90

- sign -2.368+/-1.881 χ^2/NDF: 52.5/46



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: 15096.134+/-3.496 χ^2/NDF: 1665337.4/23

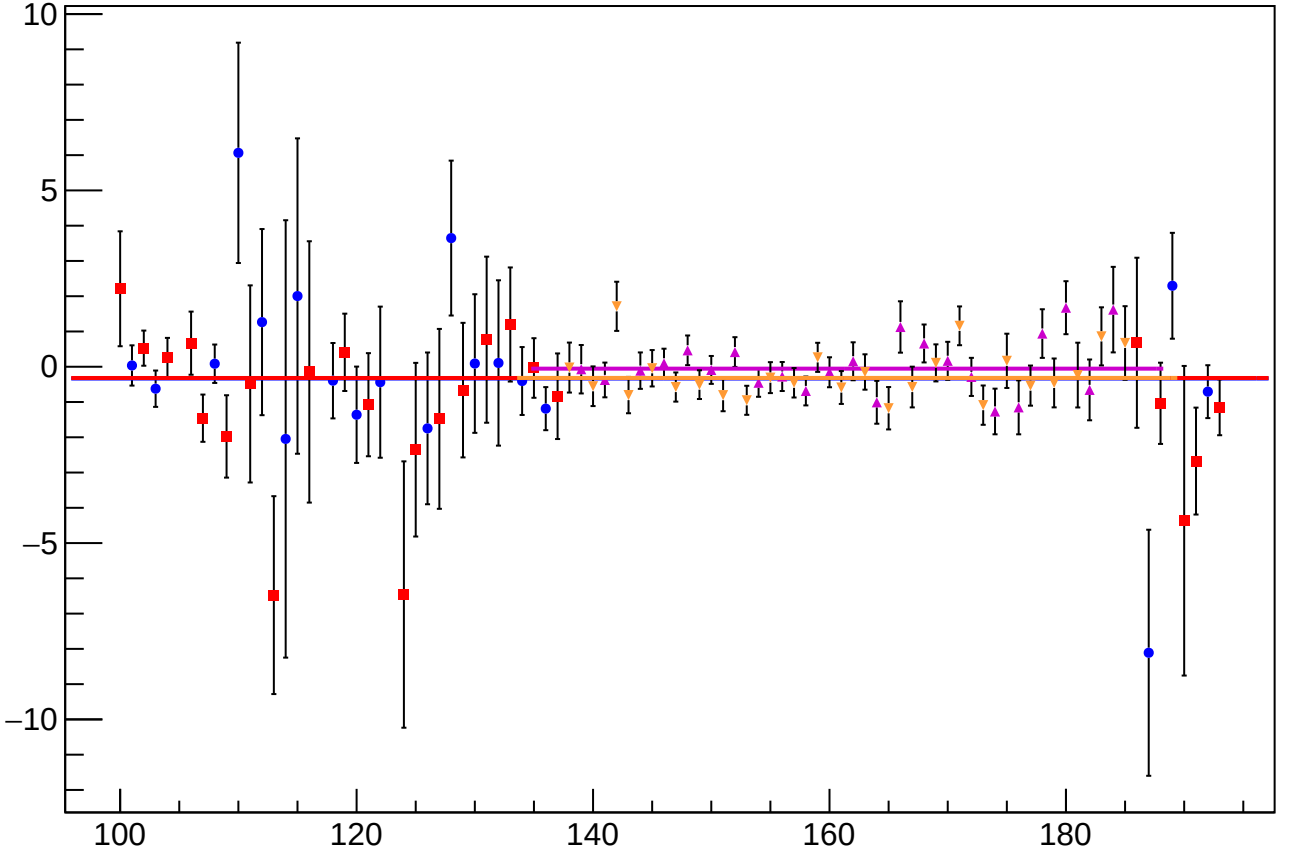
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9305.500+/-1.287 χ^2/NDF: 3875406.0/43

All: 9441.475+/-0.925 χ^2/NDF: 8813617.3/90

- sign 9586.804+/-1.330 χ^2/NDF: 4915101.0/46

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: -0.319+/-0.225 χ^2/NDF: 27.9/23

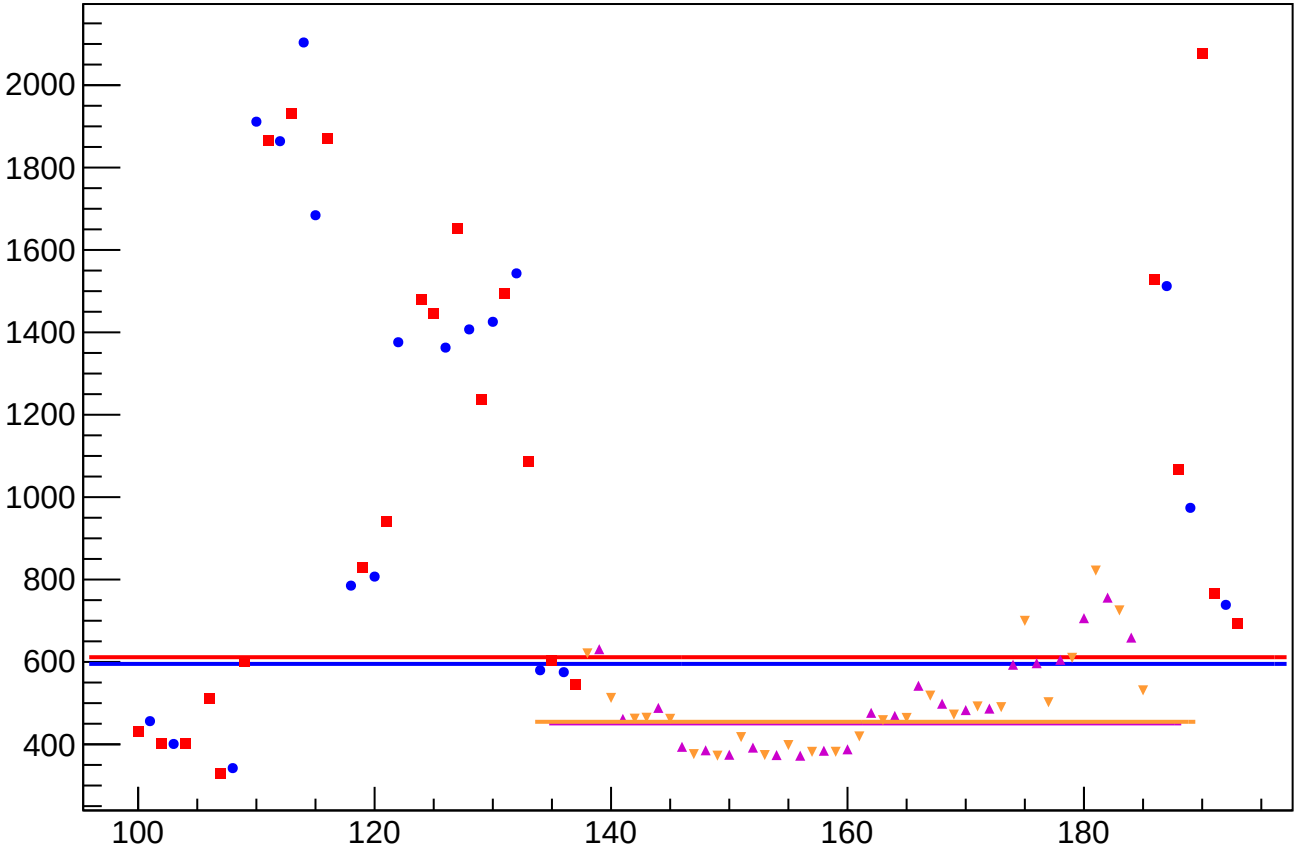
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.320+/-0.096 χ^2/NDF: 53.1/43

All: -0.214+/-0.068 χ^2/NDF: 114.5/90

- sign -0.104+/-0.097 χ^2/NDF: 58.8/46

diff_bpm_4aX_4eX_dd_rms vs Slug



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: 611.502+/-0.159 χ^2/NDF: 4509871.2/23

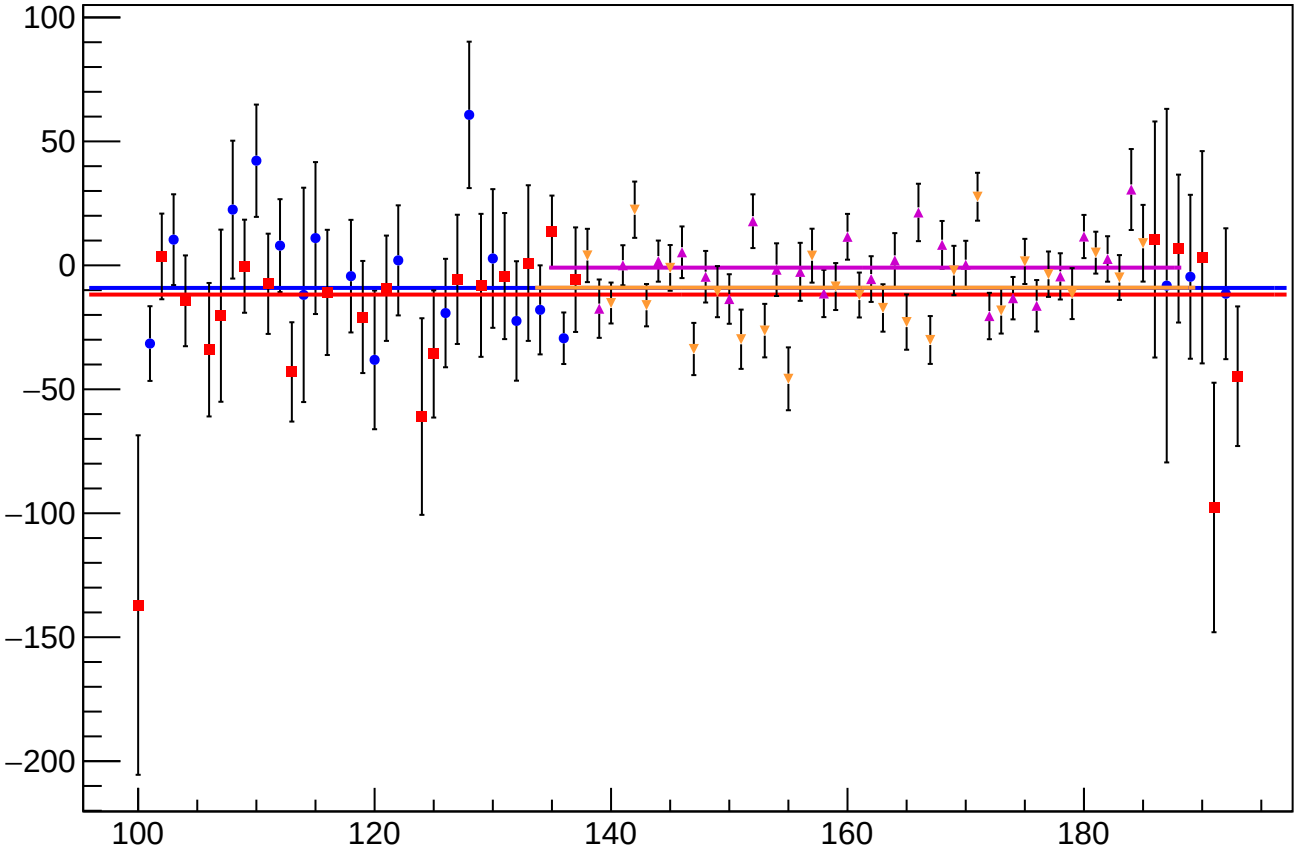
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 479.500+/-0.068 χ^2/NDF: 5890852.1/43

All: 480.203+/-0.048 χ^2/NDF: 12701476.5/90

- sign 480.924+/-0.069 χ^2/NDF: 6810408.3/46

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: -11.788+/-4.978 χ^2/NDF: 18.7/23

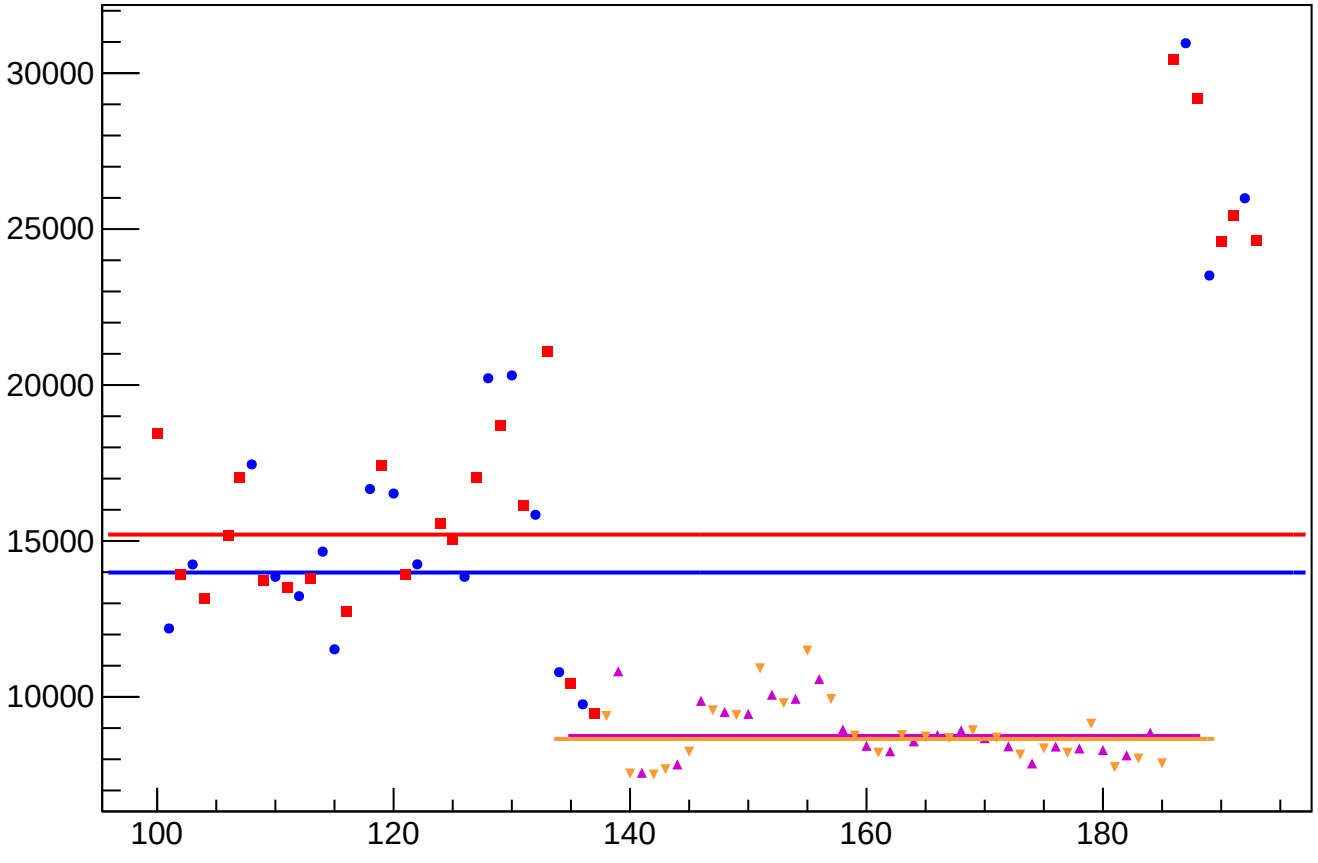
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -9.015+/-1.838 χ^2/NDF: 84.0/43

All: -5.870+/-1.321 χ^2/NDF: 142.8/90

- sign -2.508+/-1.900 χ^2/NDF: 52.7/46

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: 15204.809+/-3.520 χ^2/NDF: 1649944.4/23

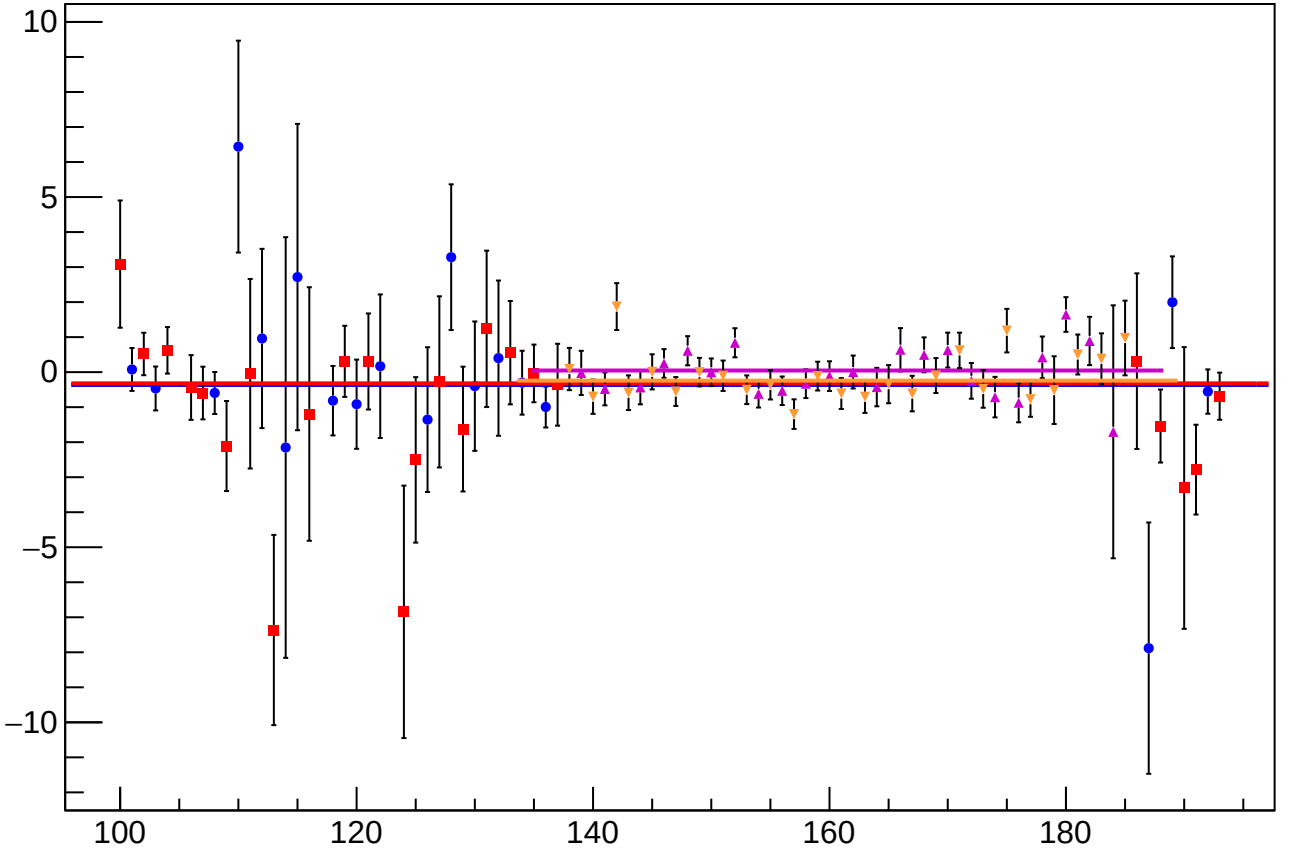
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 9399.127+/-1.300 χ^2/NDF: 3846616.1/43

All: 9538.345+/-0.934 χ^2/NDF: 8728190.6/90

- sign 9687.145+/-1.343 χ^2/NDF: 4857830.4/46

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: -0.320+/-0.234 χ^2/NDF: 28.5/23

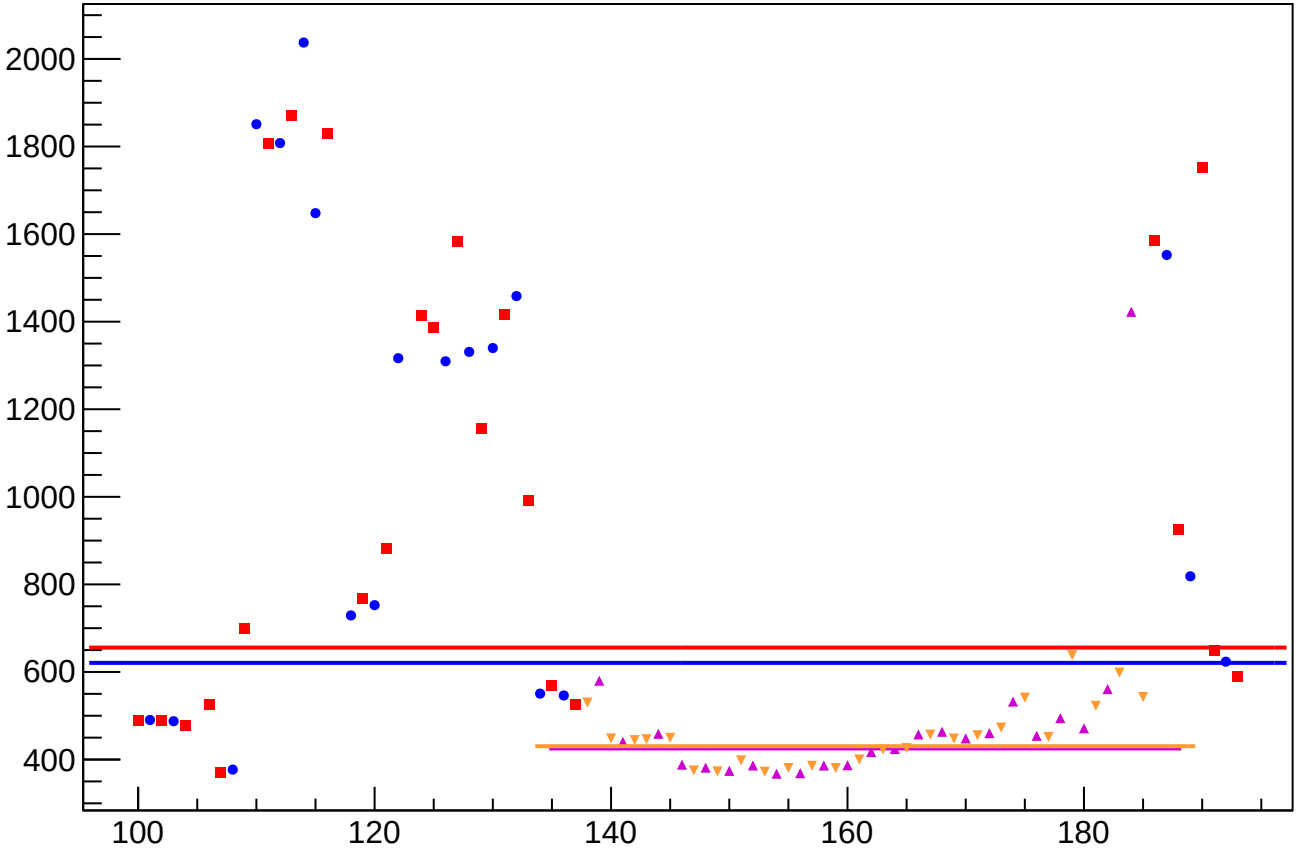
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.262+/-0.092 χ^2/NDF: 53.9/43

All: -0.138+/-0.065 χ^2/NDF: 123.2/90

- sign -0.012+/-0.093 χ^2/NDF: 65.6/46

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

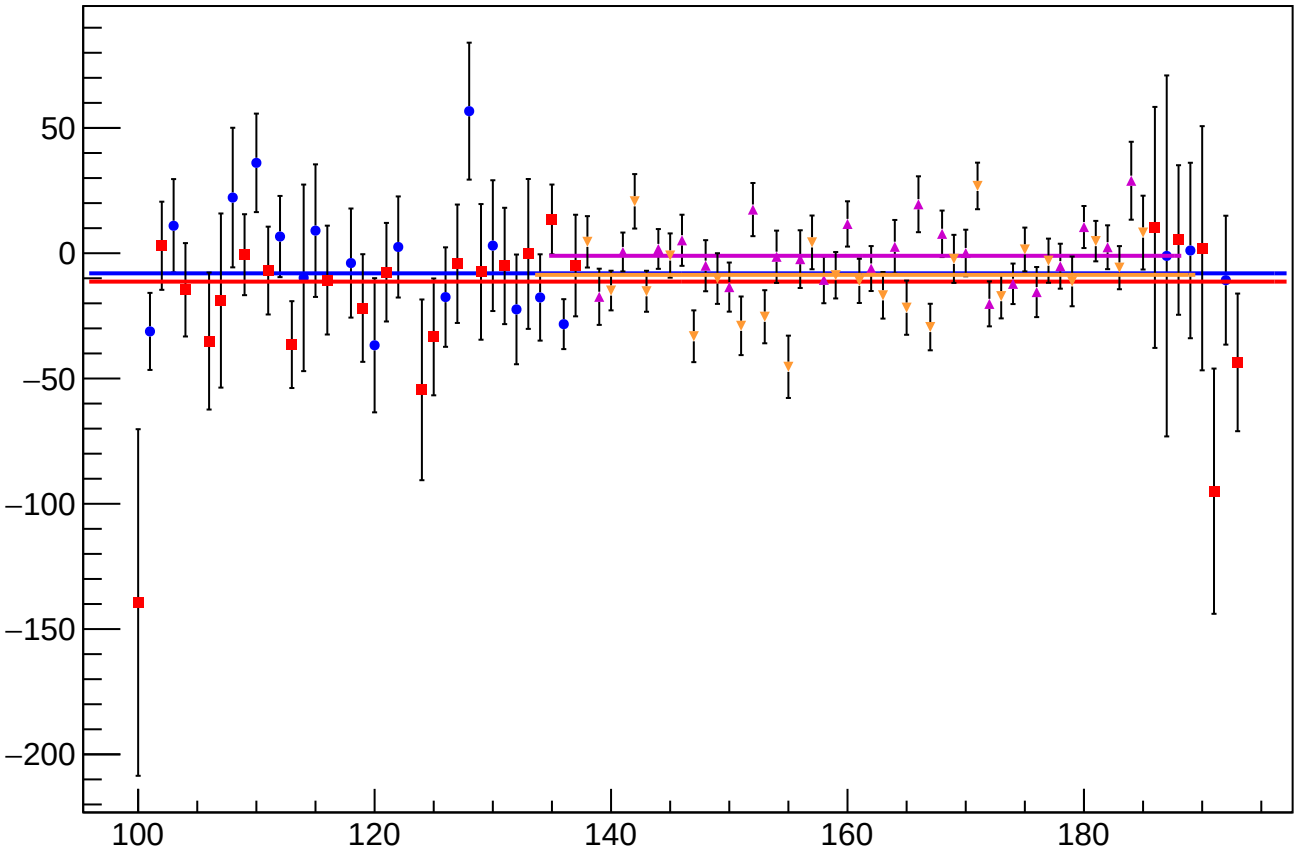
Right Out: 655.696+/-0.166 χ^2/NDF: 3379969.3/23

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 460.191+/-0.065 χ^2/NDF: 4814140.0/43

All: 460.999+/-0.046 χ^2/NDF: 10541781.8/90

- sign 461.827+/-0.066 χ^2/NDF: 5727330.0/46



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: -11.333+/-4.671 χ^2/NDF: 18.6/23

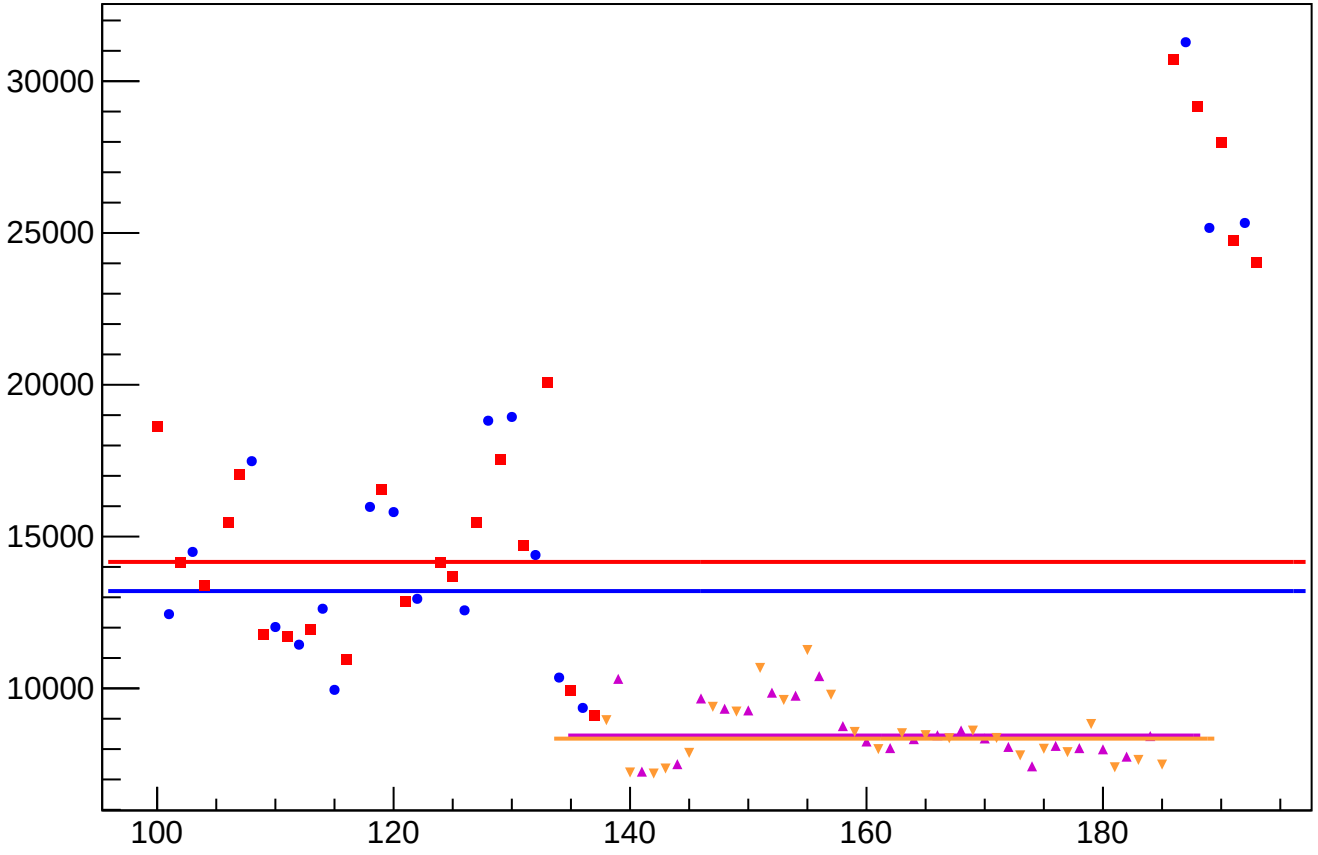
Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -8.536+/-1.769 χ^2/NDF: 84.8/43

All: -5.668+/-1.271 χ^2/NDF: 142.8/90

- sign -2.606+/-1.828 χ^2/NDF: 52.5/46

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

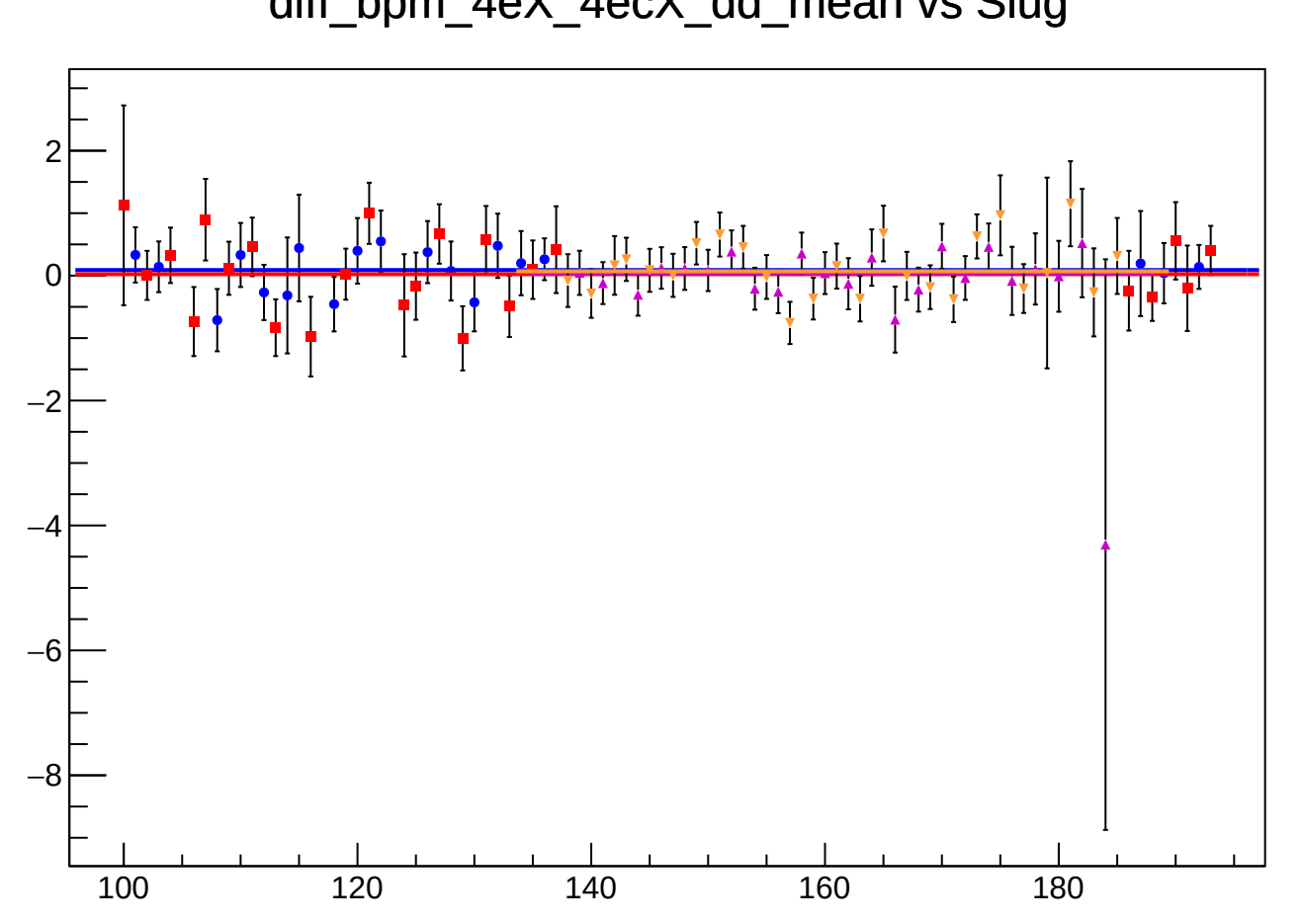
Right Out: 14165.009+/-3.303 χ^2/NDF: 1905452.4/23

Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 9048.605+/-1.251 χ^2/NDF: 3860816.8/43

All: 9181.043+/-0.899 χ^2/NDF: 8709216.3/90

- sign 9322.489+/-1.293 χ^2/NDF: 4825217.6/46



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: 0.023+/-0.104 χ^2/NDF: 27.2/23

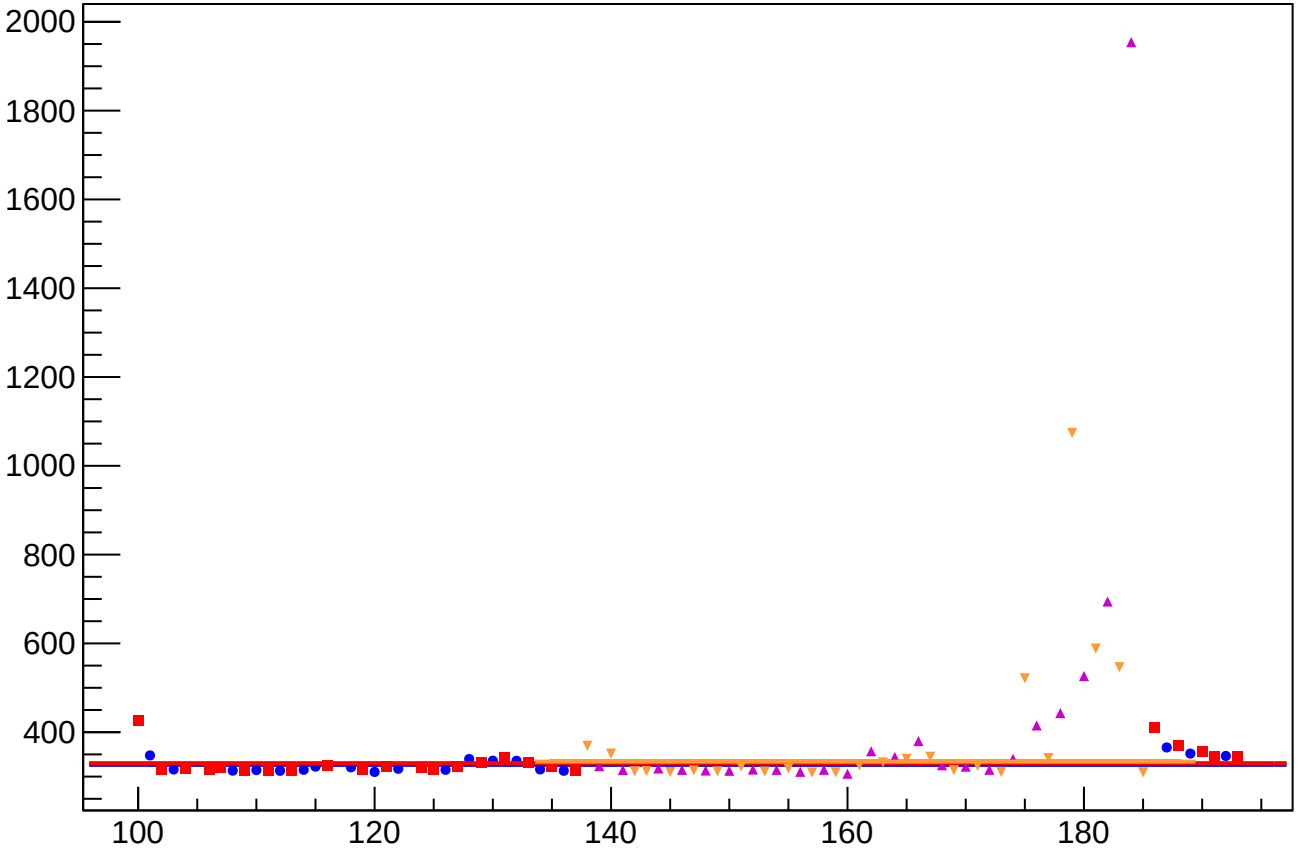
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.076+/-0.064 χ^2/NDF: 37.6/43

All: 0.054+/-0.045 χ^2/NDF: 76.8/90

- sign 0.032+/-0.064 χ^2/NDF: 38.9/46

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: 330.327+/-0.073 χ^2/NDF: 89863.4/23

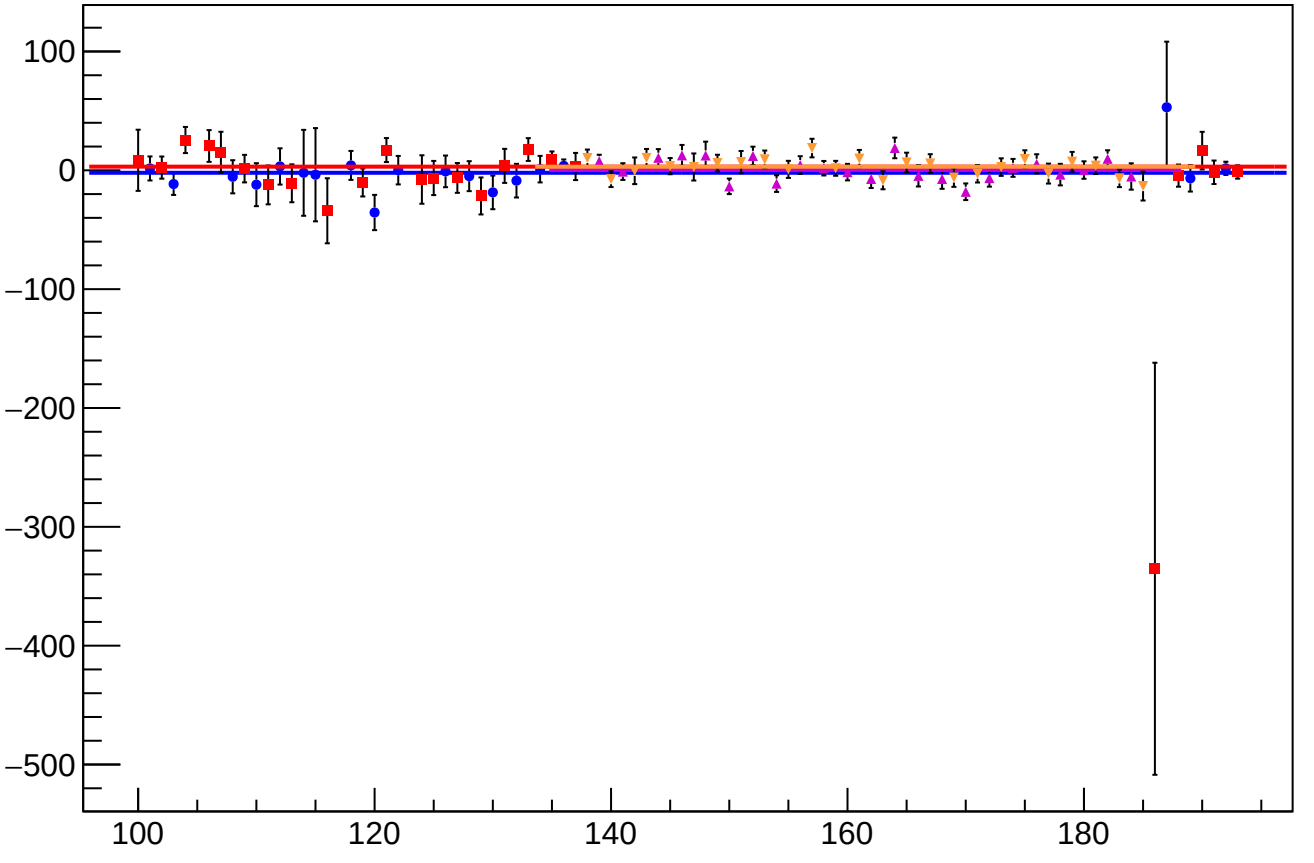
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 331.274+/-0.045 χ^2/NDF: 1260820.1/43

All: 331.939+/-0.032 χ^2/NDF: 2403638.2/90

- sign 332.596+/-0.045 χ^2/NDF: 1142391.1/46

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

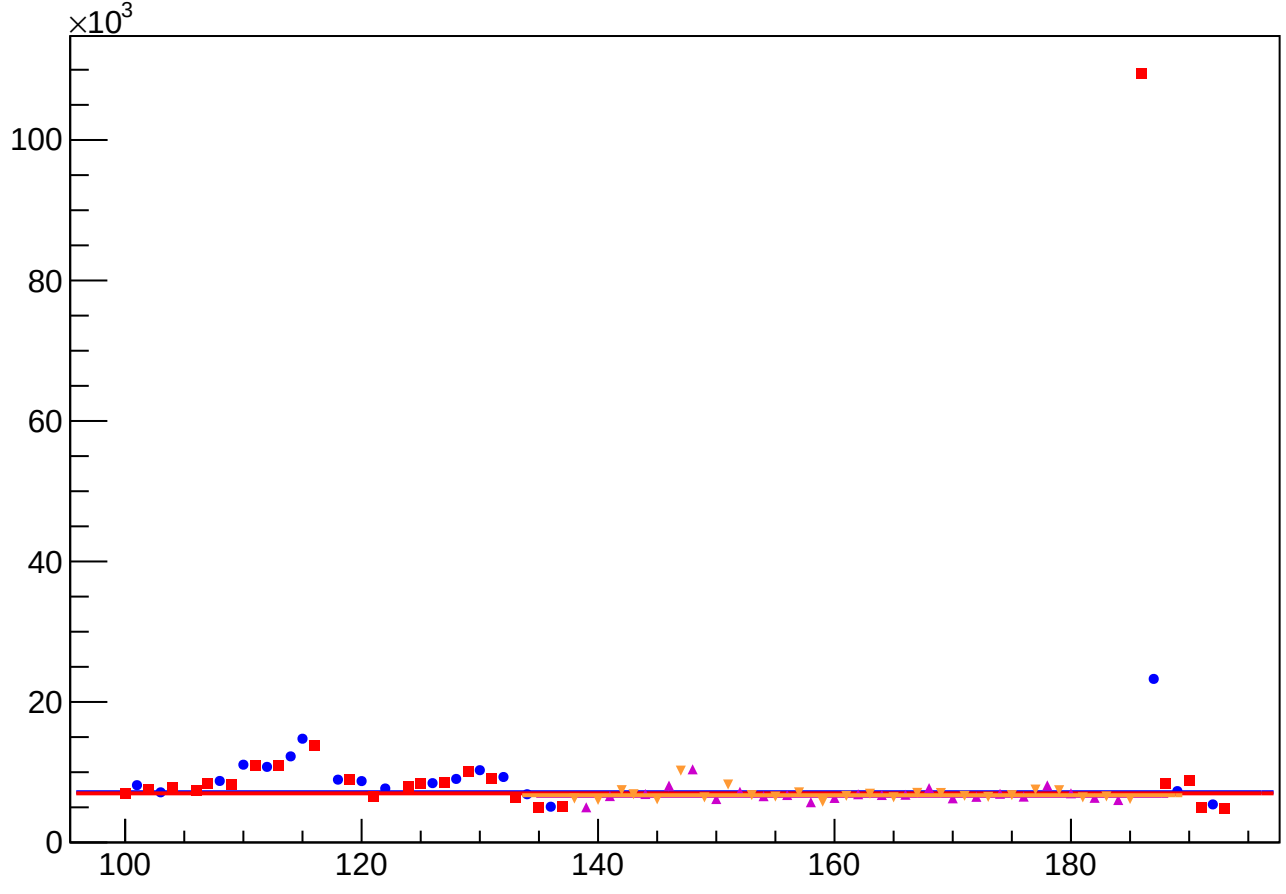
Right Out: 3.092+/-2.338 χ^2/NDF: 25.9/23

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 1.630+/-1.313 χ^2/NDF: 34.9/43

All: 1.414+/-0.925 χ^2/NDF: 95.6/90

- sign 1.202+/-1.303 χ^2/NDF: 60.7/46



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: 6991.542+/-1.654 χ^2/NDF: 2015701.9/23

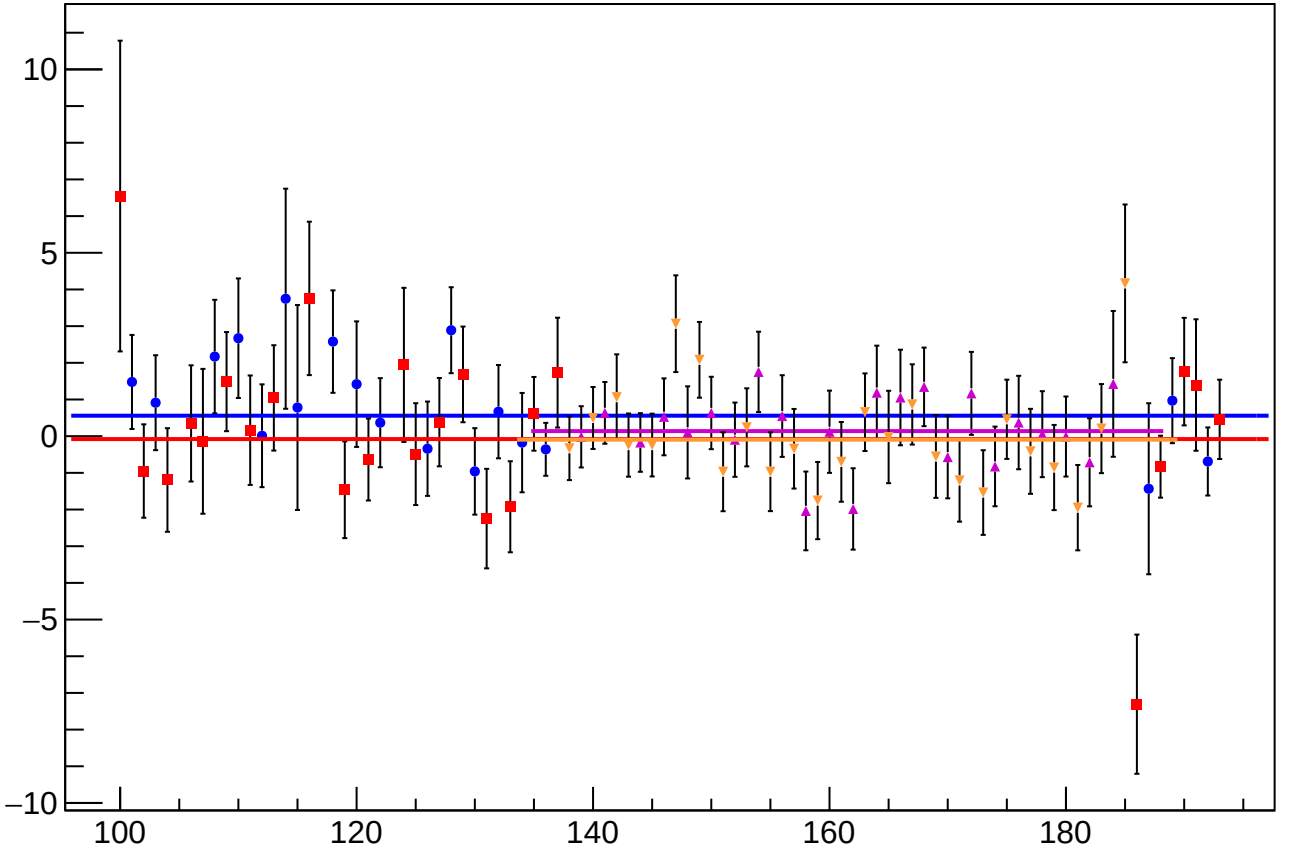
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6840.480+/-0.929 χ^2/NDF: 1752151.4/43

All: 6791.859+/-0.654 χ^2/NDF: 4435259.0/90

- sign 6744.044+/-0.921 χ^2/NDF: 2677671.9/46

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: -0.079+/-0.279 χ^2/NDF: 37.8/23

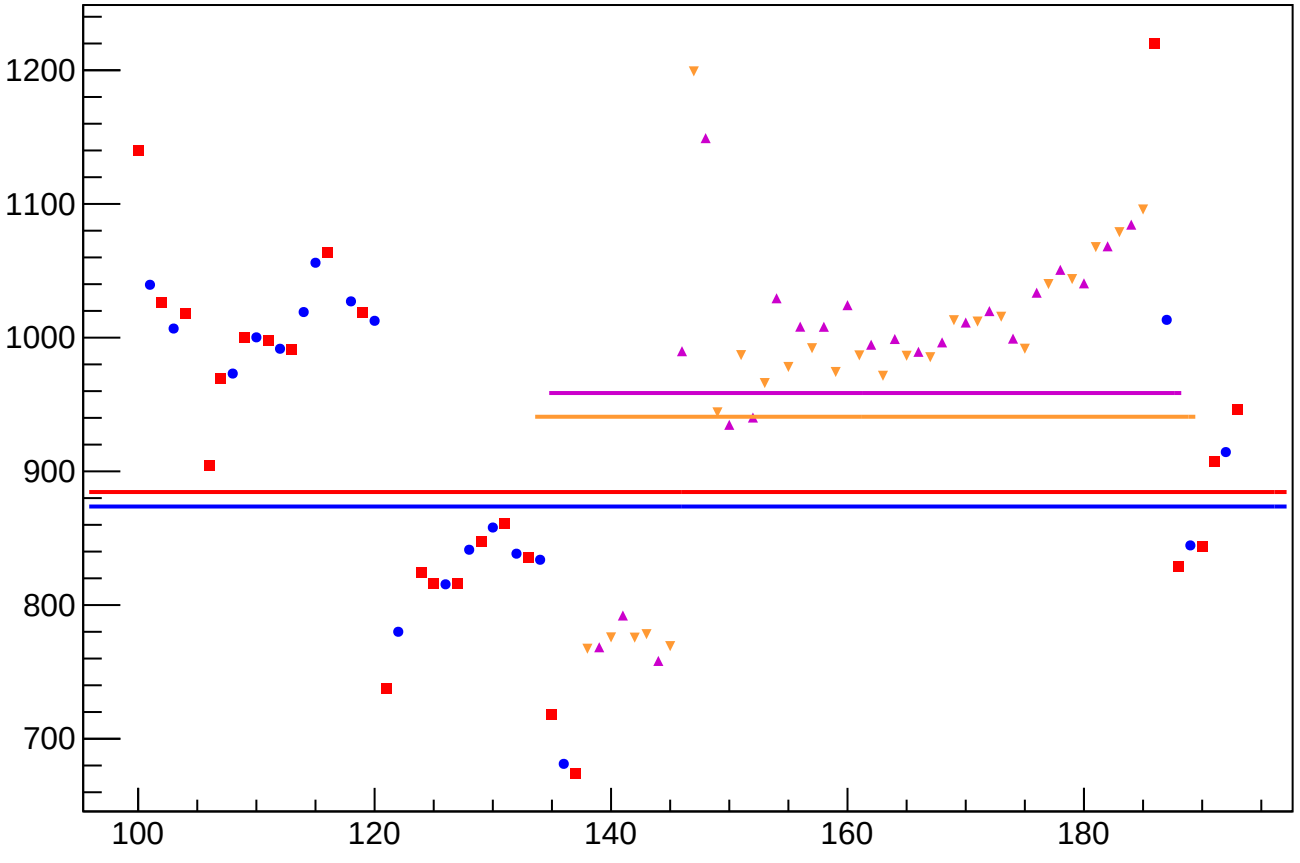
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.133+/-0.174 χ^2/NDF: 48.2/43

All: 0.093+/-0.123 χ^2/NDF: 103.0/90

- sign 0.052+/-0.175 χ^2/NDF: 54.6/46

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: 884.537+/-0.197 χ^2/NDF: 352857.4/23

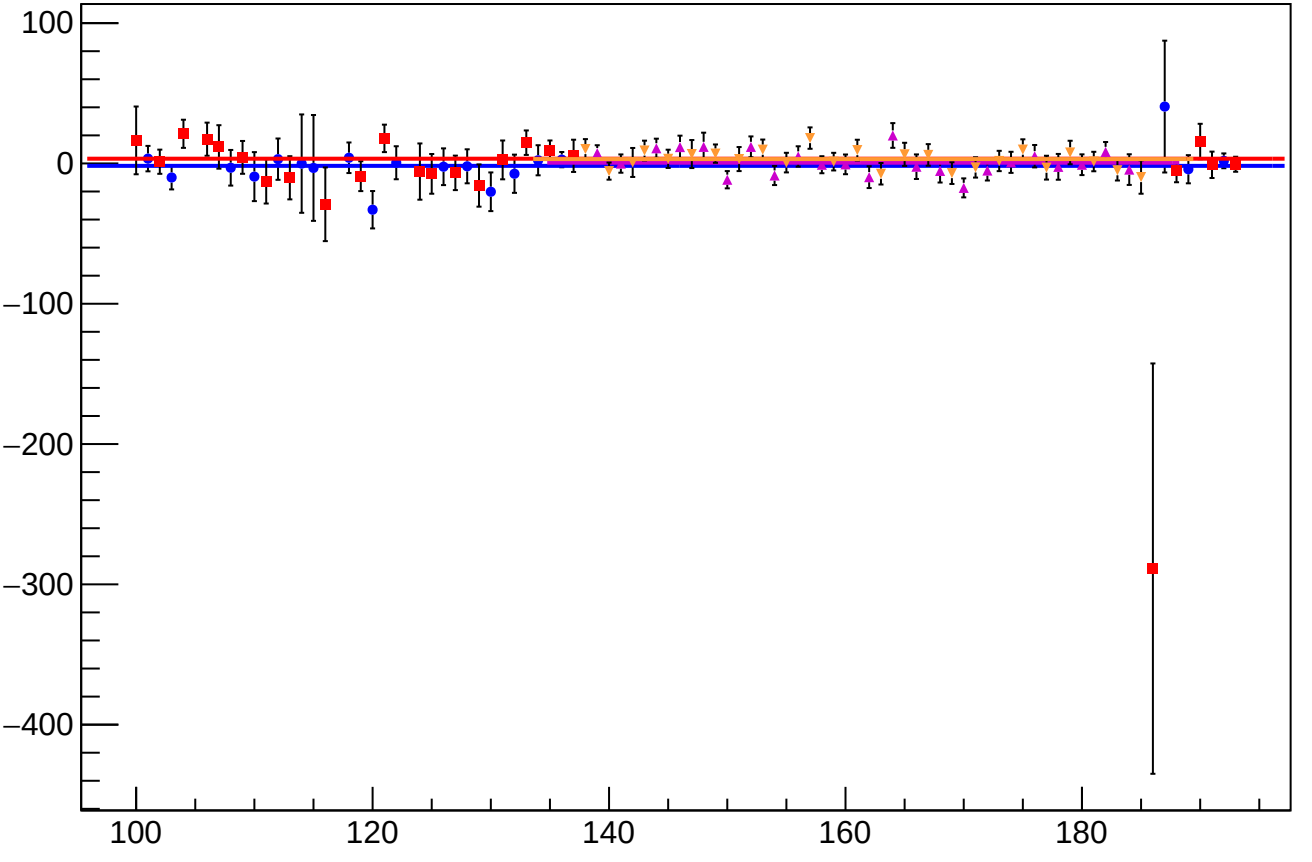
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 917.483+/-0.123 χ^2/NDF: 951649.7/43

All: 923.351+/-0.087 χ^2/NDF: 1851277.5/90

- sign 929.308+/-0.124 χ^2/NDF: 895039.6/46

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: 3.382+/-2.210 χ^2/NDF: 24.4/23

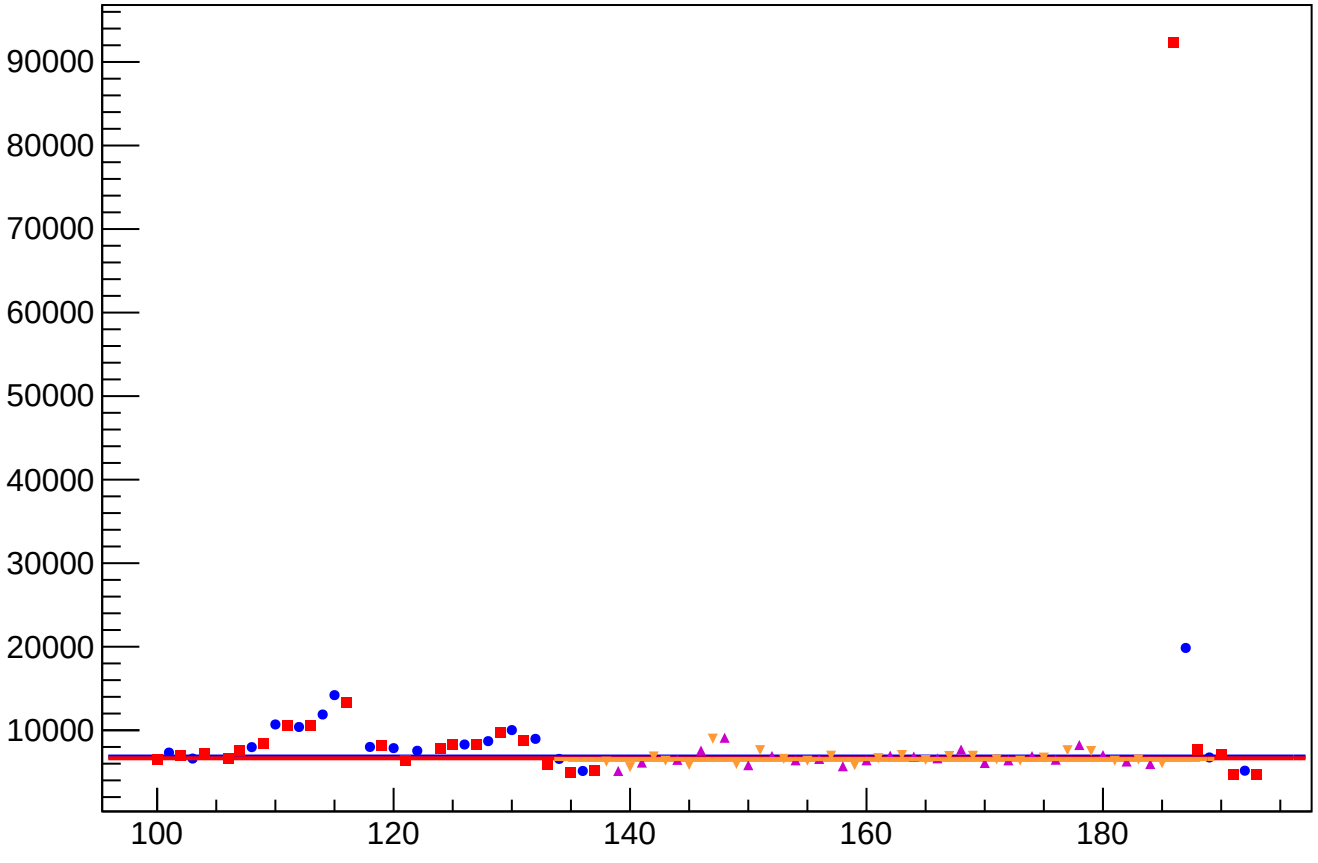
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 1.738+/-1.271 χ^2/NDF: 33.0/43

All: 1.593+/-0.895 χ^2/NDF: 90.6/90

- sign 1.450+/-1.261 χ^2/NDF: 57.5/46

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: 6644.696+/-1.563 χ^2/NDF: 1935458.9/23

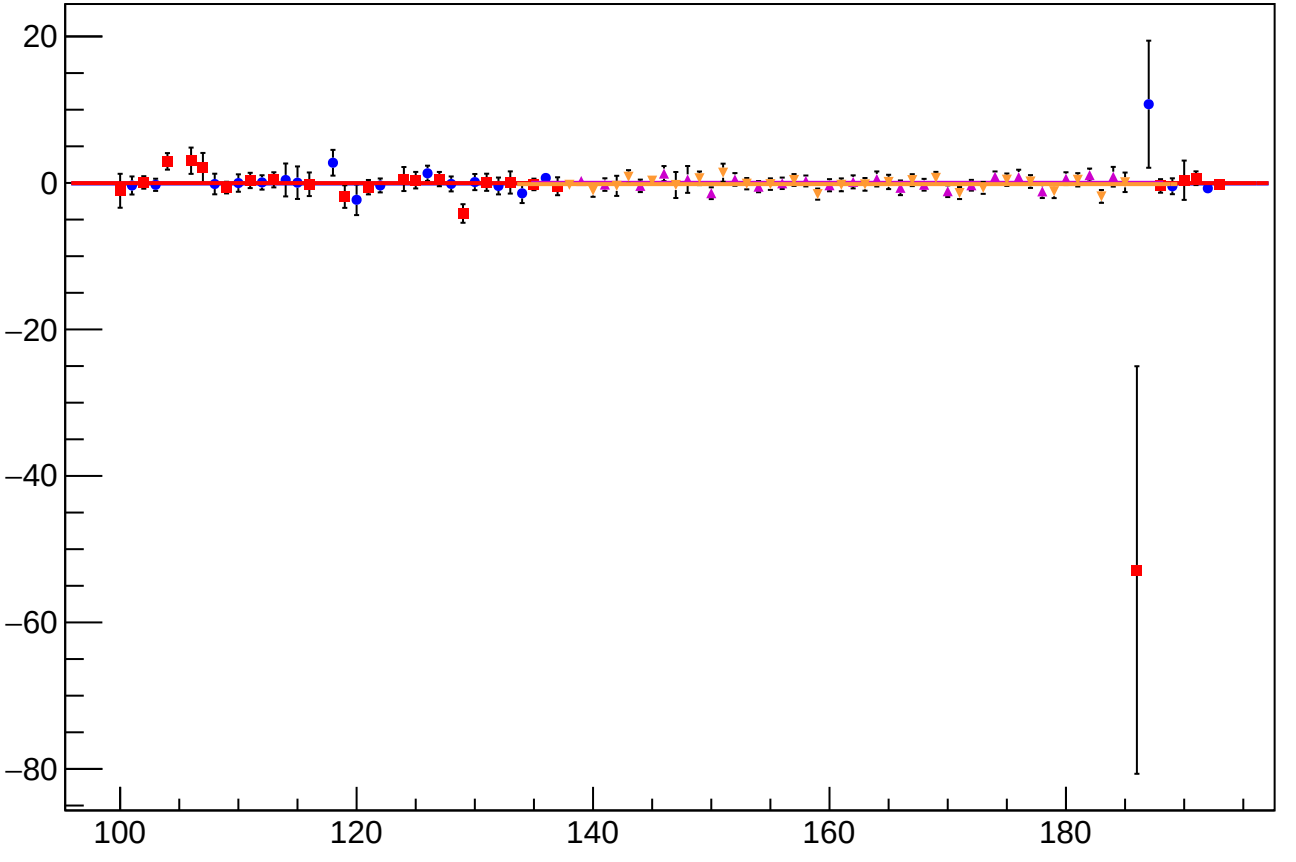
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6635.324+/-0.899 χ^2/NDF: 1568551.9/43

All: 6592.562+/-0.633 χ^2/NDF: 4029385.4/90

- sign 6550.481+/-0.891 χ^2/NDF: 2456340.9/46

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: -0.020+/-0.224 χ^2/NDF: 29.5/23

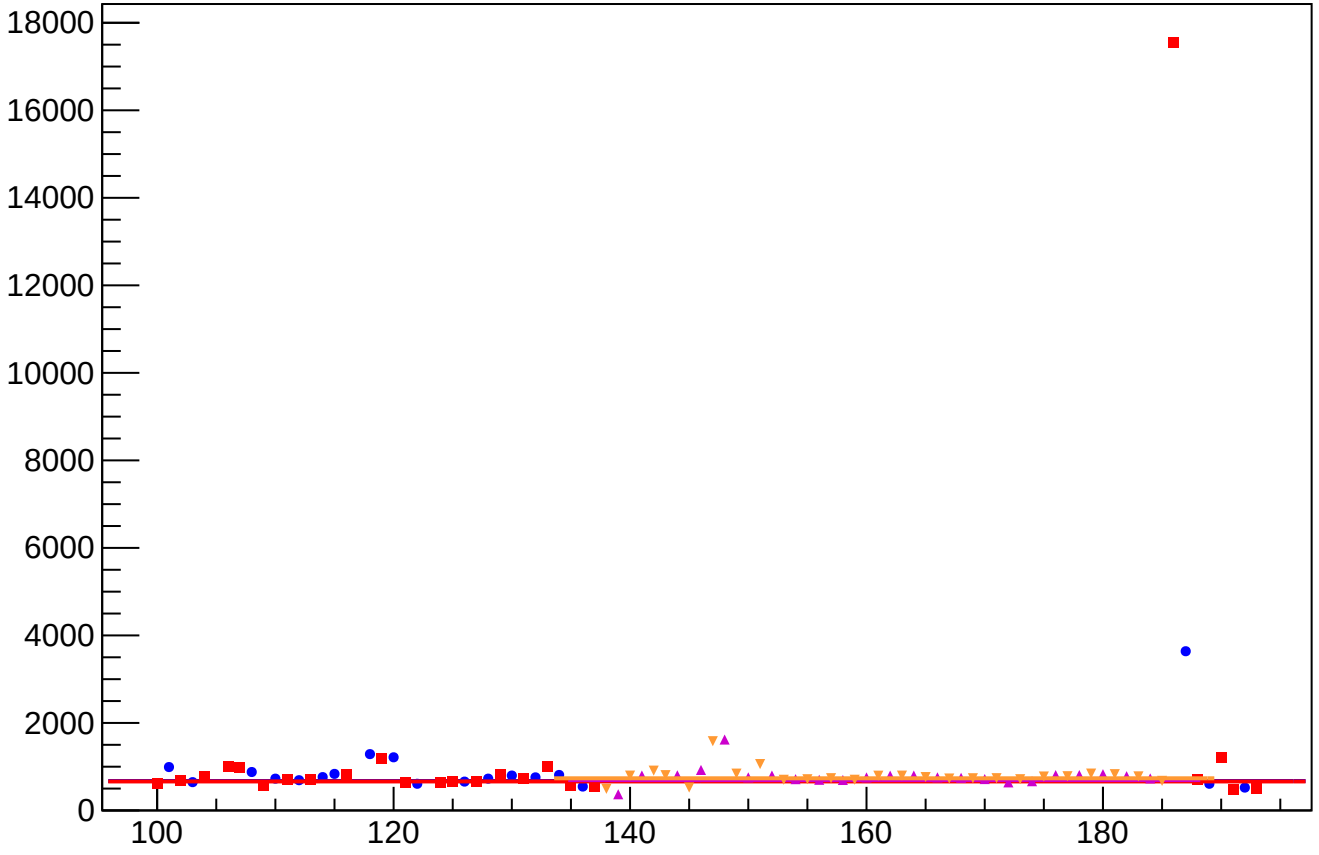
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.131+/-0.139 χ^2/NDF: 30.9/43

All: -0.061+/-0.097 χ^2/NDF: 76.1/90

- sign 0.004+/-0.135 χ^2/NDF: 44.8/46

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: 663.349+/-0.159 χ^2/NDF: 1665239.7/23

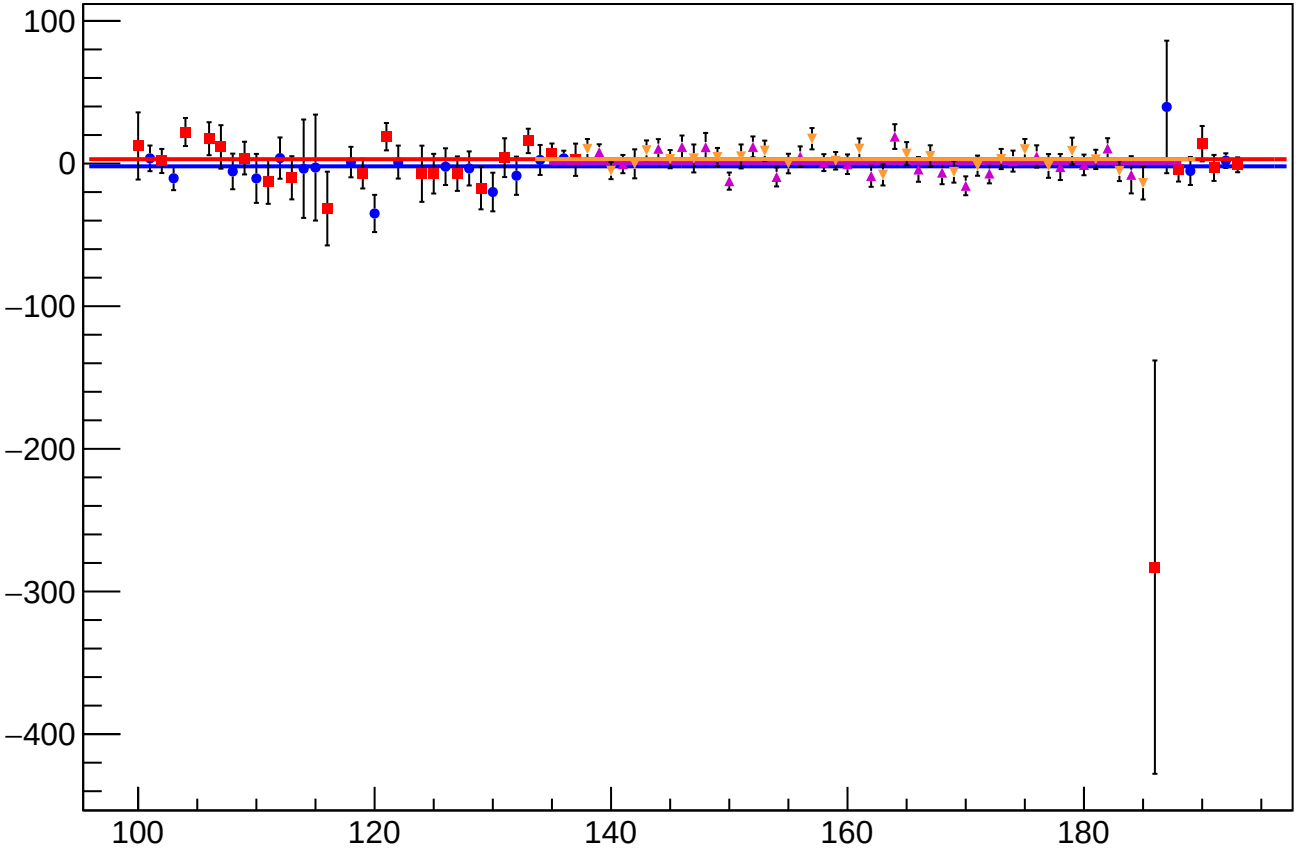
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 713.532+/-0.098 χ^2/NDF: 2574083.1/43

All: 697.799+/-0.069 χ^2/NDF: 6537975.6/90

- sign 683.003+/-0.095 χ^2/NDF: 3914358.9/46

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

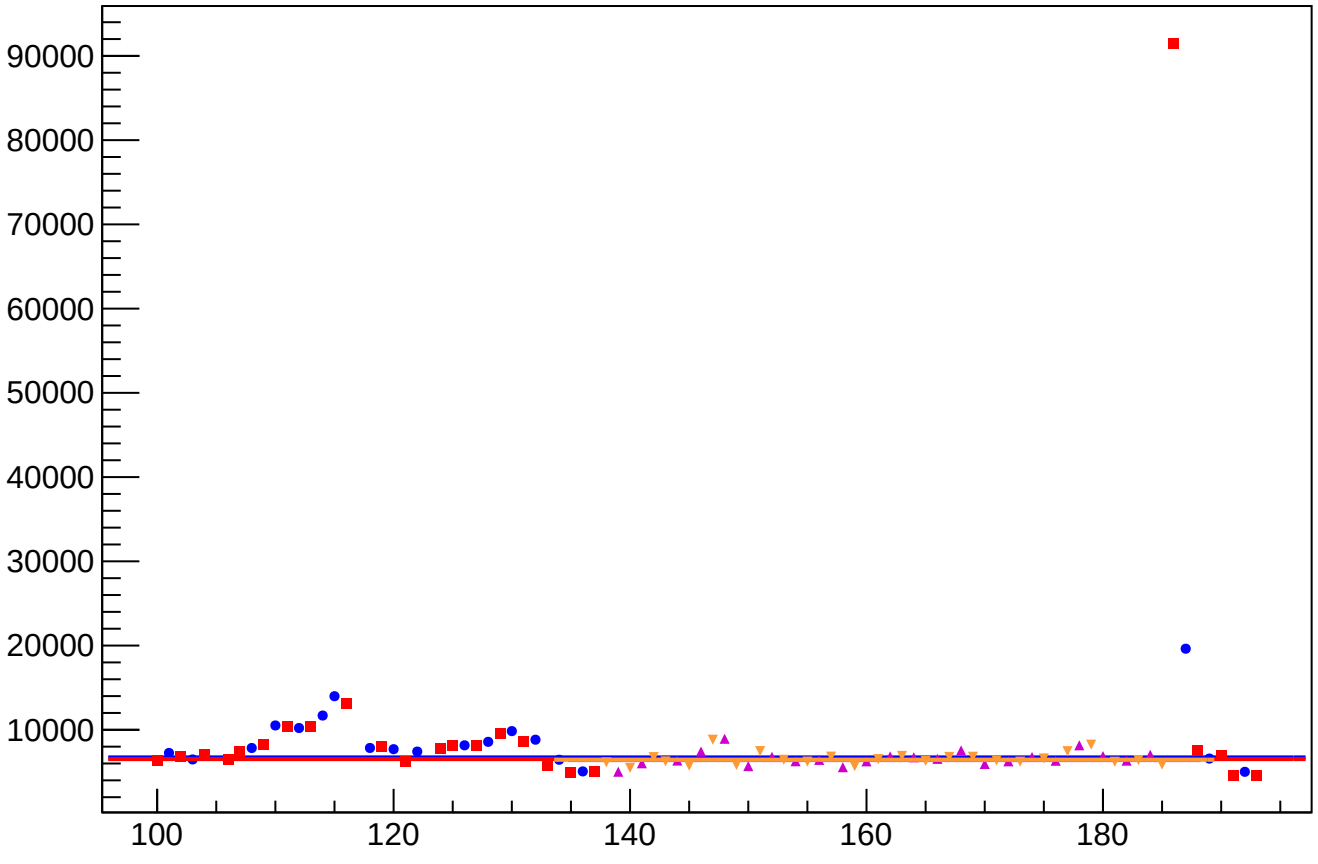
Right Out: 3.055+/-2.171 χ^2/NDF: 25.5/23

Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 1.680+/-1.250 χ^2/NDF: 35.3/43

All: 1.523+/-0.881 χ^2/NDF: 95.3/90

- sign 1.368+/-1.241 χ^2/NDF: 60.0/46



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: 6519.270+/-1.535 χ^2/NDF: 1941917.7/23

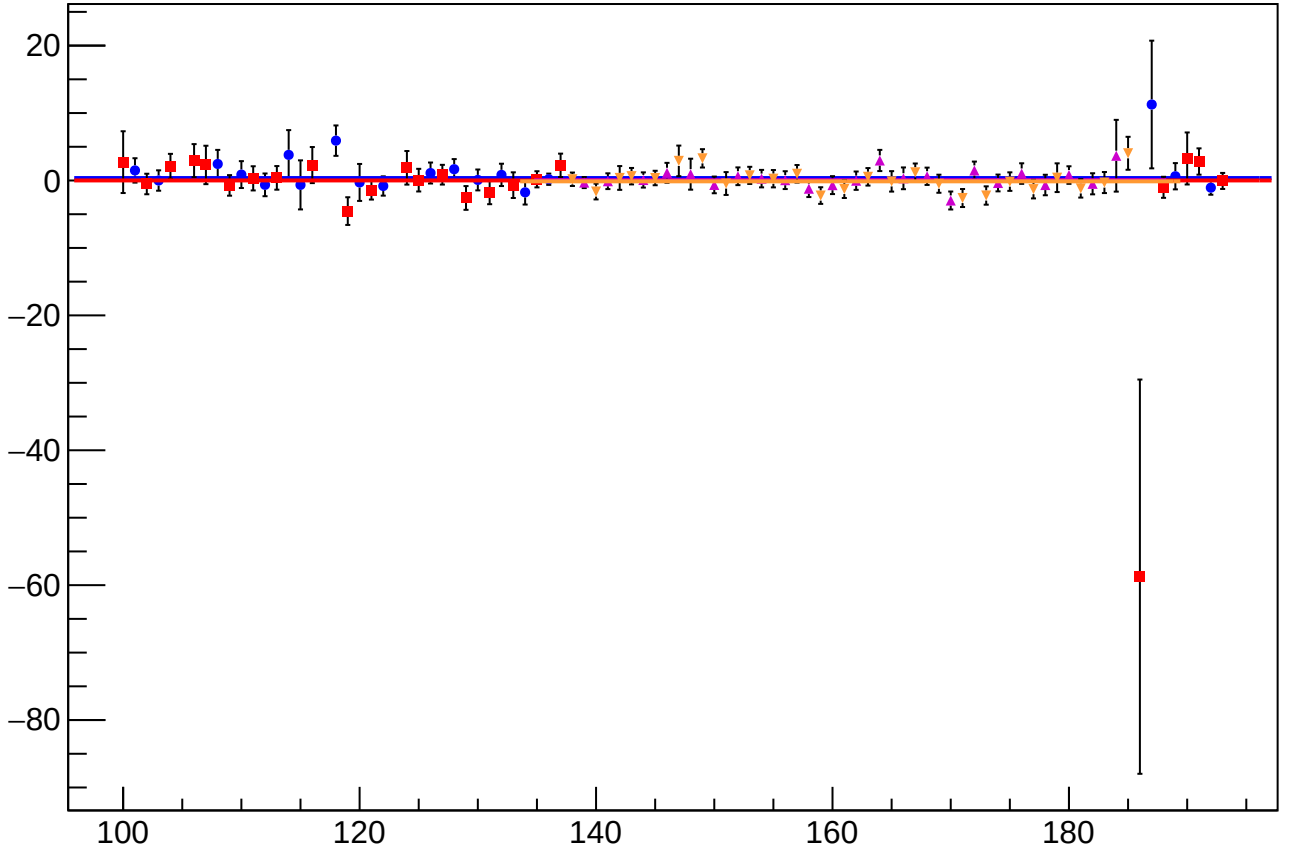
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

\+ sign 6517.234+/-0.884 χ^2/NDF: 1632378.3/43

All: 6479.599+/-0.623 χ^2/NDF: 4106692.8/90

\- sign 6442.496+/-0.877 χ^2/NDF: 2470713.0/46

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: 0.010+/-0.367 χ^2/NDF: 24.1/23

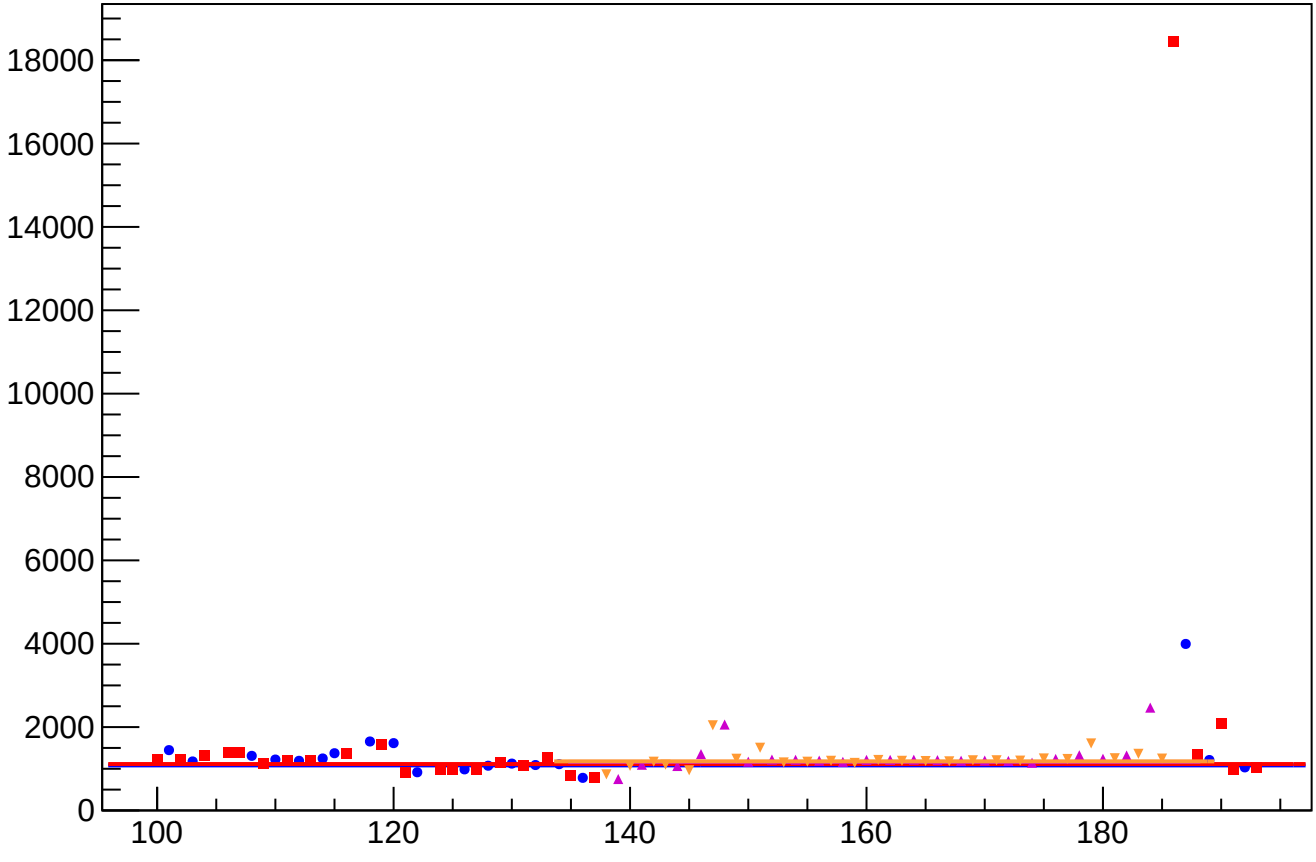
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign 0.045+/-0.221 χ^2/NDF: 43.4/43

All: 0.034+/-0.157 χ^2/NDF: 82.0/90

- sign 0.022+/-0.222 χ^2/NDF: 38.6/46

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1081.200+/-0.265 χ^2/NDF: 849146.4/18

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

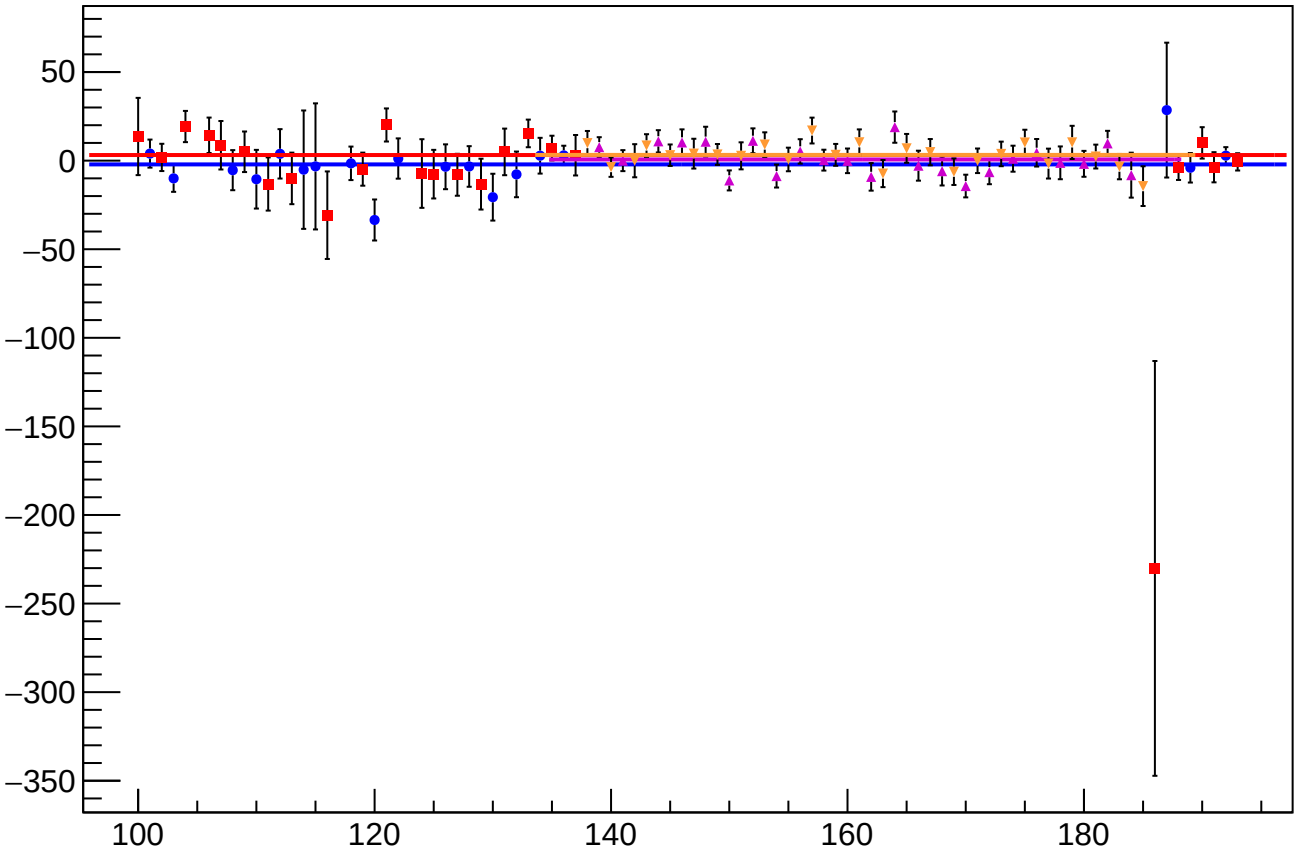
Right Out: 1113.511+/-0.259 χ^2/NDF: 1377637.0/23

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1144.251+/-0.156 χ^2/NDF: 1736573.7/43

All: 1144.834+/-0.111 χ^2/NDF: 4190311.1/90

- sign 1145.422+/-0.157 χ^2/NDF: 2453709.4/46



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: 3.166+/-2.013 χ^2/NDF: 25.6/23

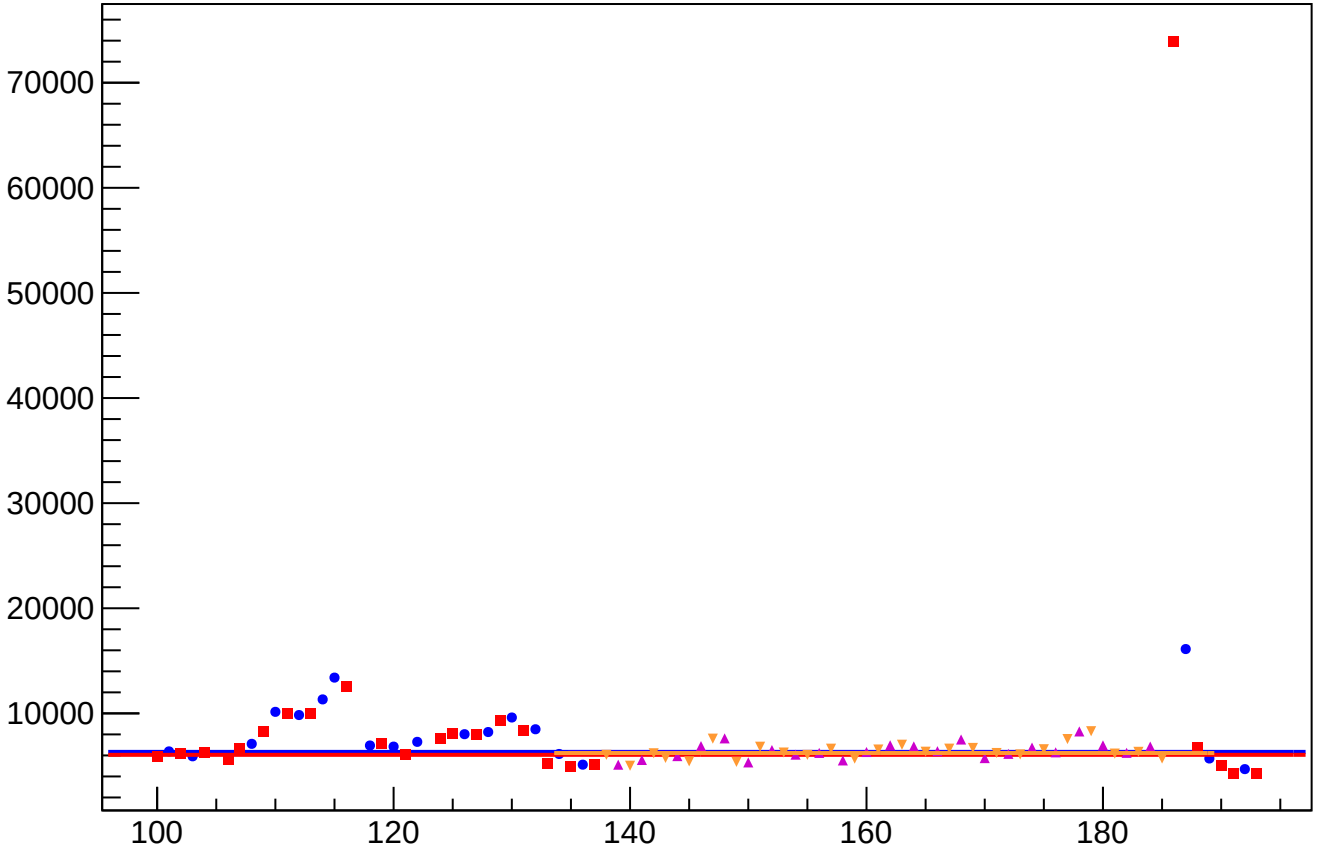
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 1.651+/-1.200 χ^2/NDF: 36.7/43

All: 1.595+/-0.845 χ^2/NDF: 95.7/90

- sign 1.539+/-1.189 χ^2/NDF: 59.0/46

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: 6056.966+/-1.423 χ^2/NDF: 1970308.1/23

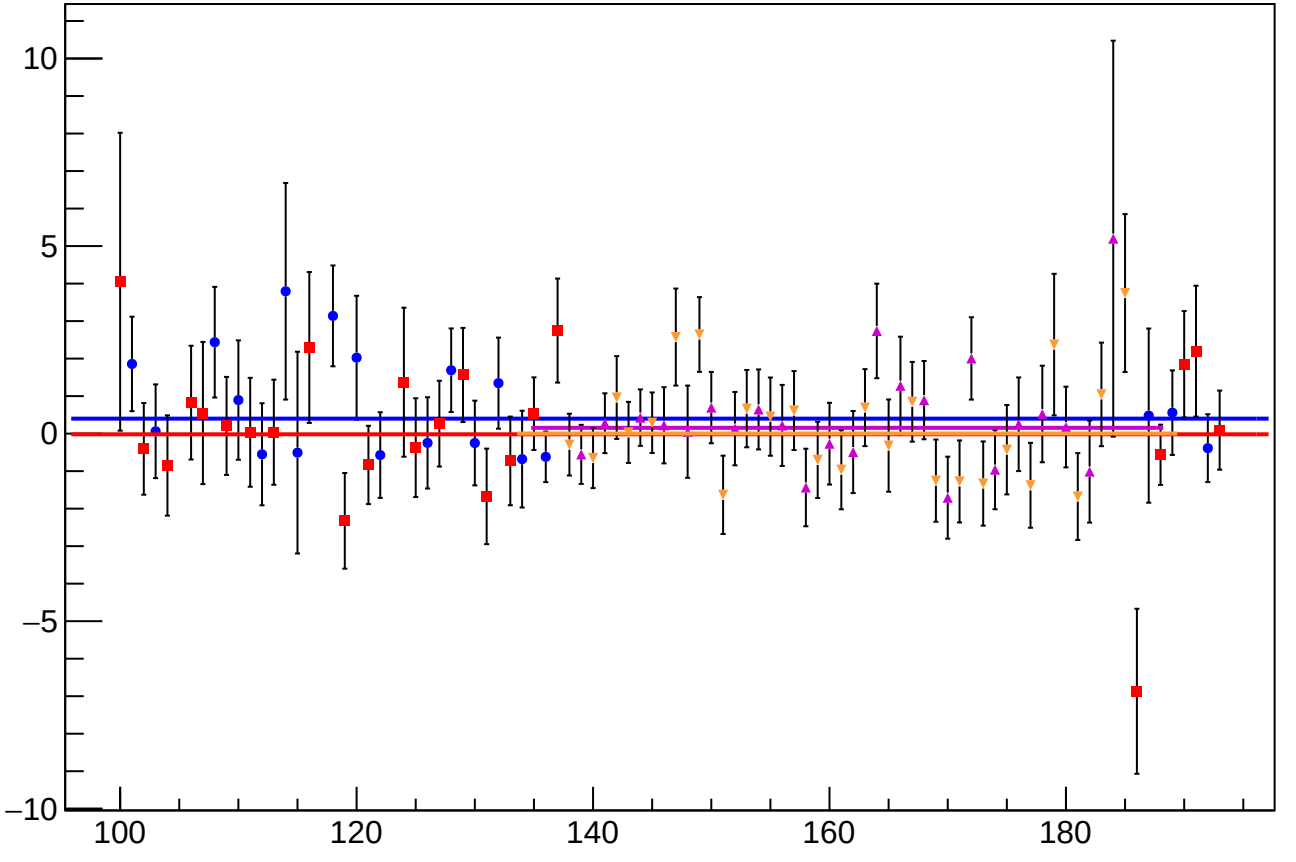
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6260.810+/-0.848 χ^2/NDF: 1615117.3/43

All: 6220.312+/-0.597 χ^2/NDF: 4086506.3/90

- sign 6180.545+/-0.841 χ^2/NDF: 2466873.8/46

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: -0.018+/-0.267 χ^2/NDF: 29.3/23

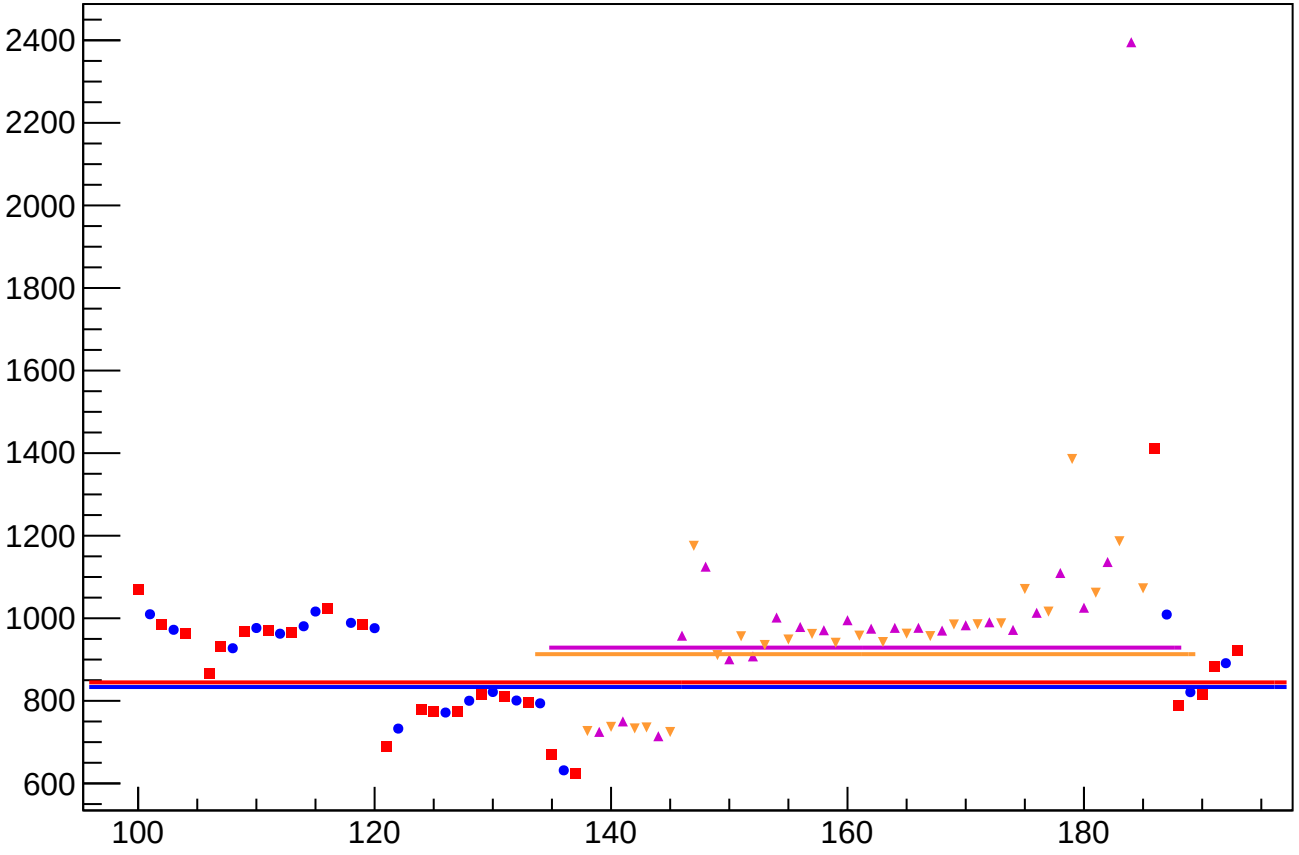
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.146+/-0.169 χ^2/NDF: 50.5/43

All: 0.115+/-0.120 χ^2/NDF: 98.4/90

- sign 0.084+/-0.170 χ^2/NDF: 47.9/46

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: 844.722+/-0.189 χ^2/NDF: 476840.8/23

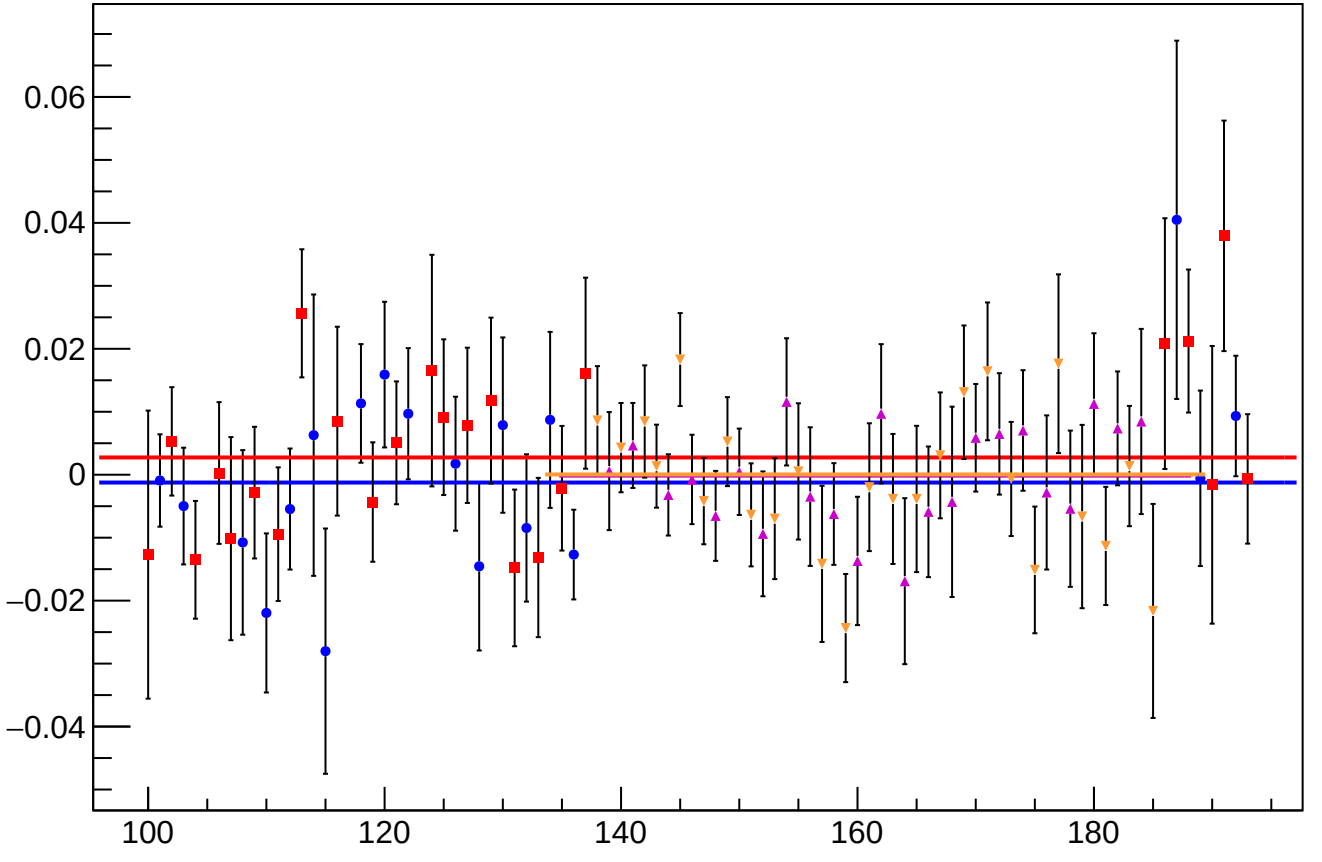
Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 884.374+/-0.120 χ^2/NDF: 1377930.1/43

All: 889.525+/-0.085 χ^2/NDF: 2745323.3/90

- sign 894.730+/-0.120 χ^2/NDF: 1363678.8/46

diff_dispE_bpm12X_mean vs Slug



Right In: -0.001+/-0.003 χ^2/NDF: 18.9/18

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: 0.003+/-0.002 χ^2/NDF: 25.1/23

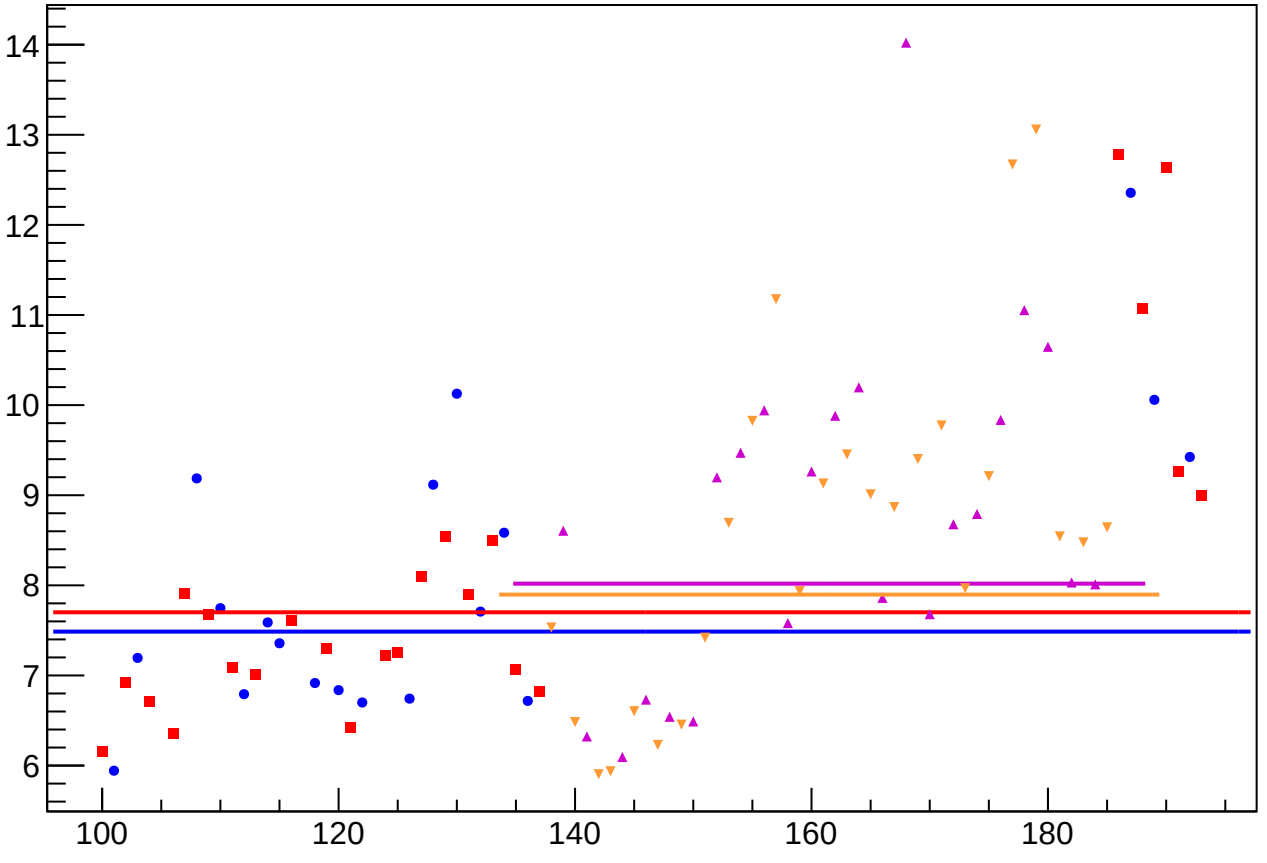
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.000+/-0.001 χ^2/NDF: 50.2/43

All: 0.000+/-0.001 χ^2/NDF: 89.3/90

- sign 0.001+/-0.002 χ^2/NDF: 38.7/46

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

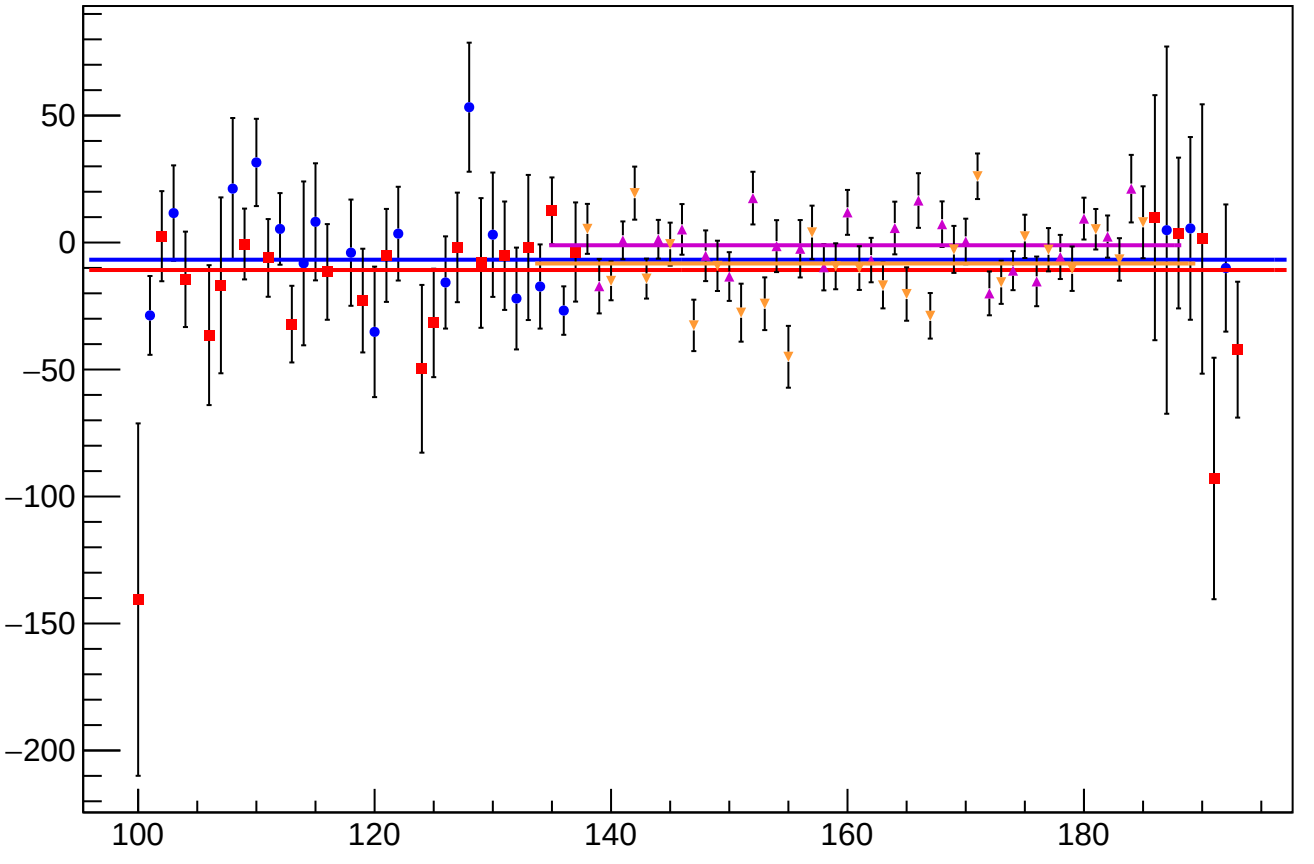
Right Out: 7.701+/-0.002 χ^2/NDF: 620370.3/23

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

\+ sign 7.756+/-0.001 χ^2/NDF: 2135331.7/43

All: 7.827+/-0.001 χ^2/NDF: 4241174.8/90

\- sign 7.898+/-0.001 χ^2/NDF: 2096939.0/46



Right In: -6.760+/-4.377 χ^2/NDF: 23.2/18

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

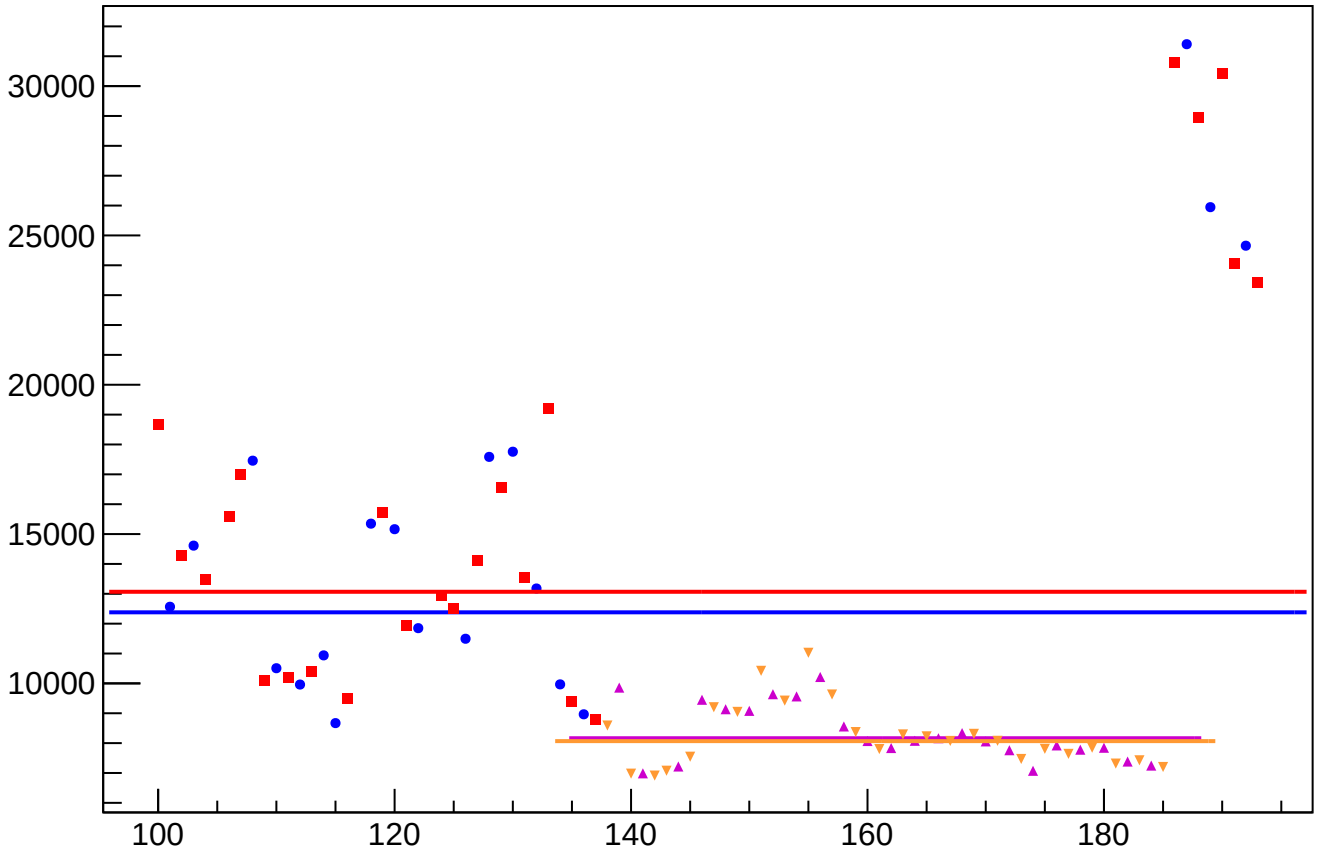
Right Out: -10.819+/-4.353 χ^2/NDF: 18.9/23

Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.030+/-1.704 χ^2/NDF: 85.5/43

All: -5.428+/-1.223 χ^2/NDF: 142.2/90

- sign -2.660+/-1.757 χ^2/NDF: 51.9/46



Right In: 12379.561+/-3.095 χ^2/NDF: 1689609.8/18

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

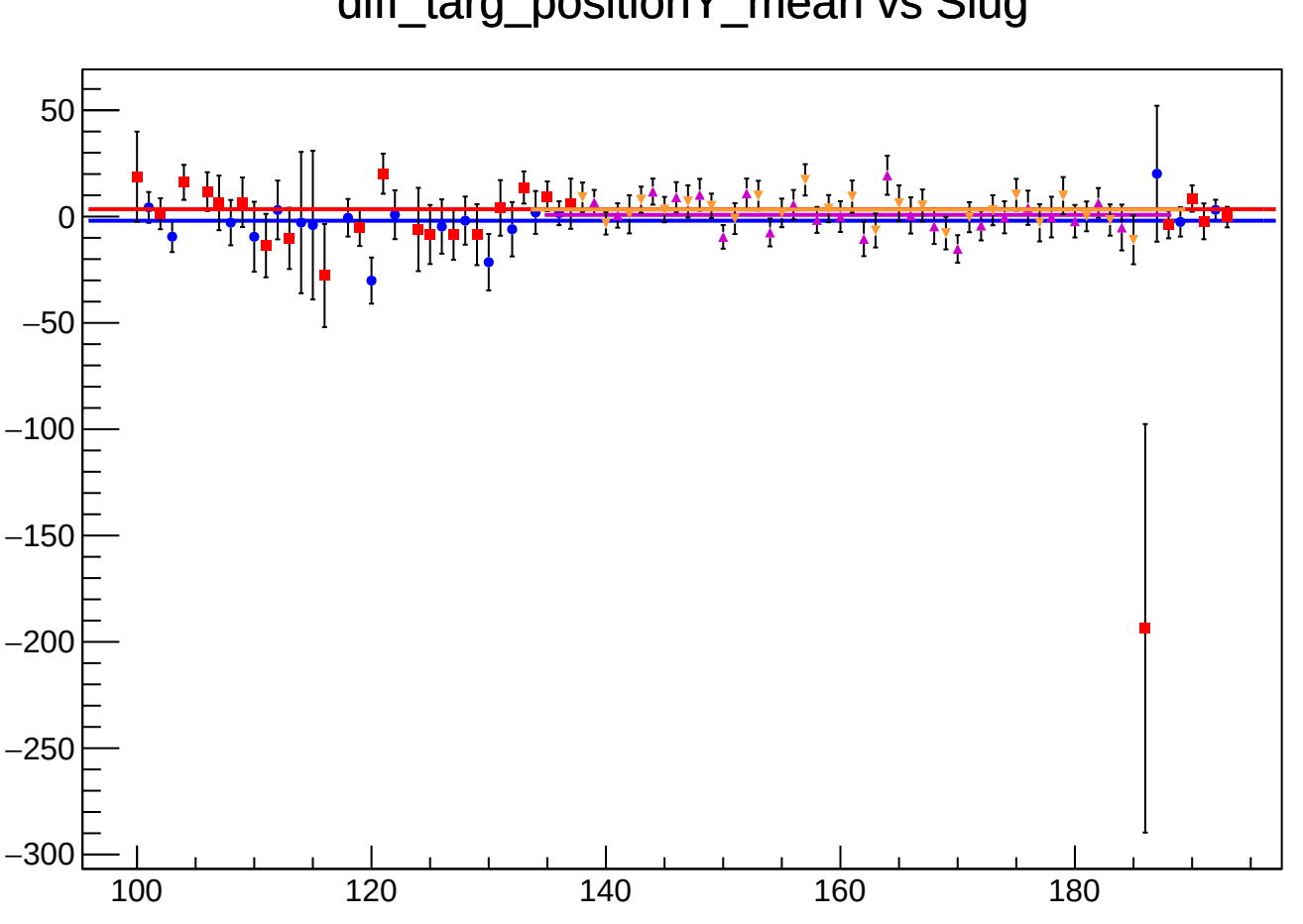
Right Out: 13067.560+/-3.078 χ^2/NDF: 2254103.3/23

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 8720.069+/-1.205 χ^2/NDF: 3835435.6/43

All: 8837.571+/-0.865 χ^2/NDF: 8665913.0/90

- sign 8962.610+/-1.243 χ^2/NDF: 4810837.8/46



Right In: -1.948+/-2.131 χ^2/NDF: 13.5/18

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

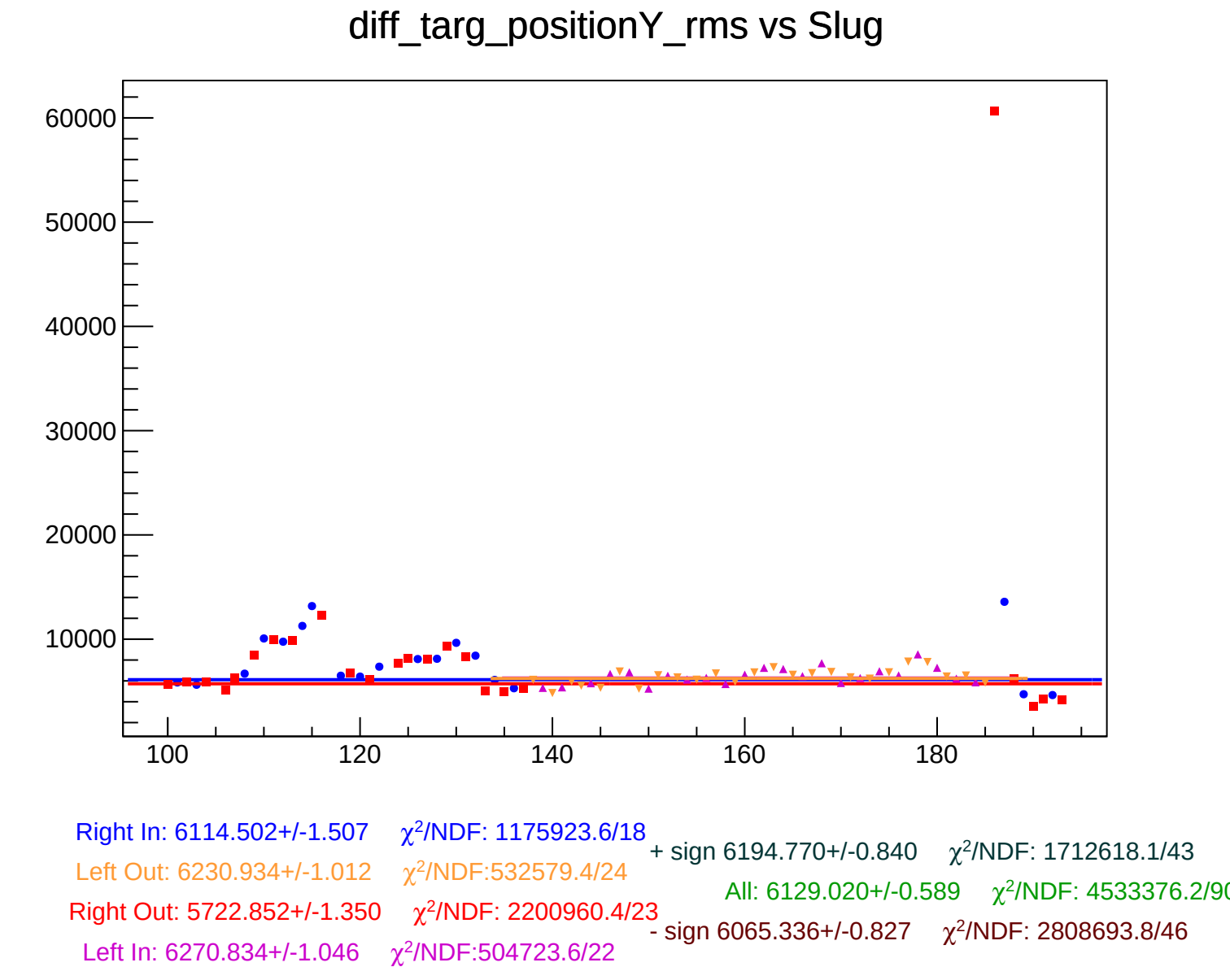
Right Out: 3.451+/-1.909 χ^2/NDF: 24.3/23

Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

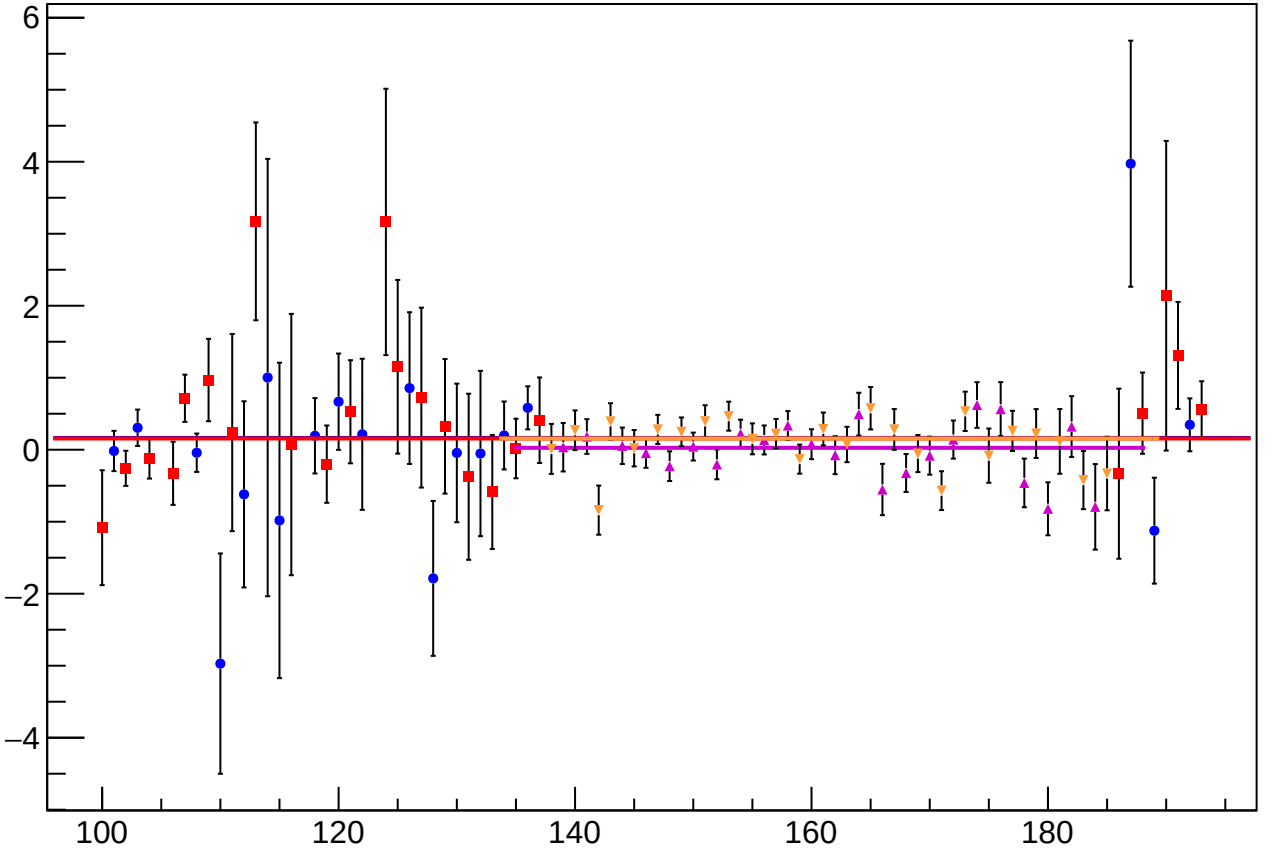
+ sign 1.691+/-1.188 χ^2/NDF: 34.7/43

All: 1.742+/-0.833 χ^2/NDF: 89.6/90

- sign 1.792+/-1.169 χ^2/NDF: 54.9/46


diff_targ_positionY_rms vs Slug
60000
50000
40000
30000
20000
10000
100
120
140
160
180
Right In: 6114.502+/-1.507 χ²/NDF: 1175923.6/18
Left Out: 6230.934+/-1.012 χ²/NDF:532579.4/24
Right Out: 5722.852+/-1.350 χ²/NDF: 2200960.4/23
Left In: 6270.834+/-1.046 χ²/NDF:504723.6/22
+ sign 6194.770+/-0.840 χ²/NDF: 1712618.1/43
All: 6129.020+/-0.589 χ²/NDF: 4533376.2/90
- sign 6065.336+/-0.827 χ²/NDF: 2808693.8/46

diff_targ_thetaX_mean vs Slug



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: 0.156+/-0.110 χ^2/NDF: 27.9/23

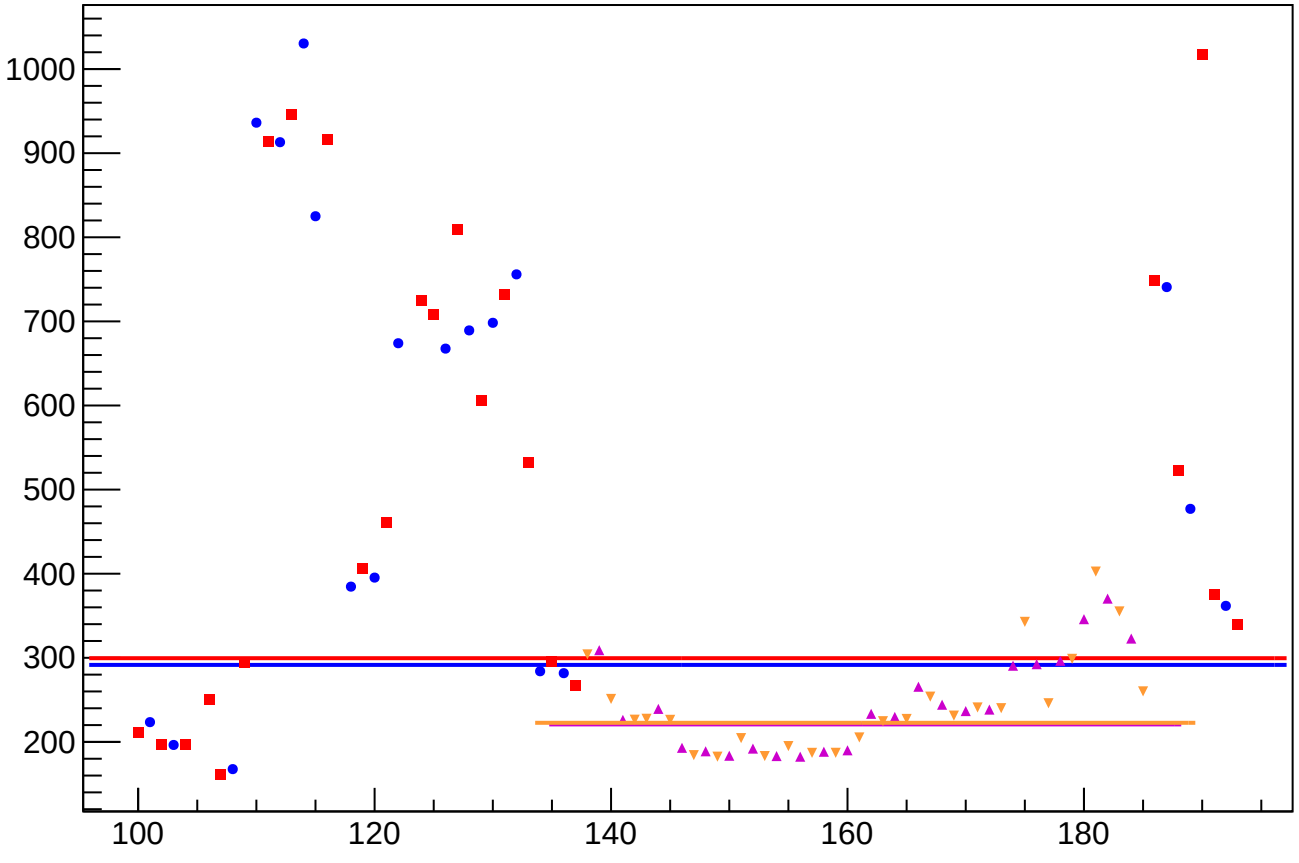
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.157+/-0.047 χ^2/NDF: 53.1/43

All: 0.105+/-0.034 χ^2/NDF: 114.5/90

- sign 0.051+/-0.048 χ^2/NDF: 58.8/46

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: 299.535+/-0.078 χ^2/NDF: 4509871.2/23

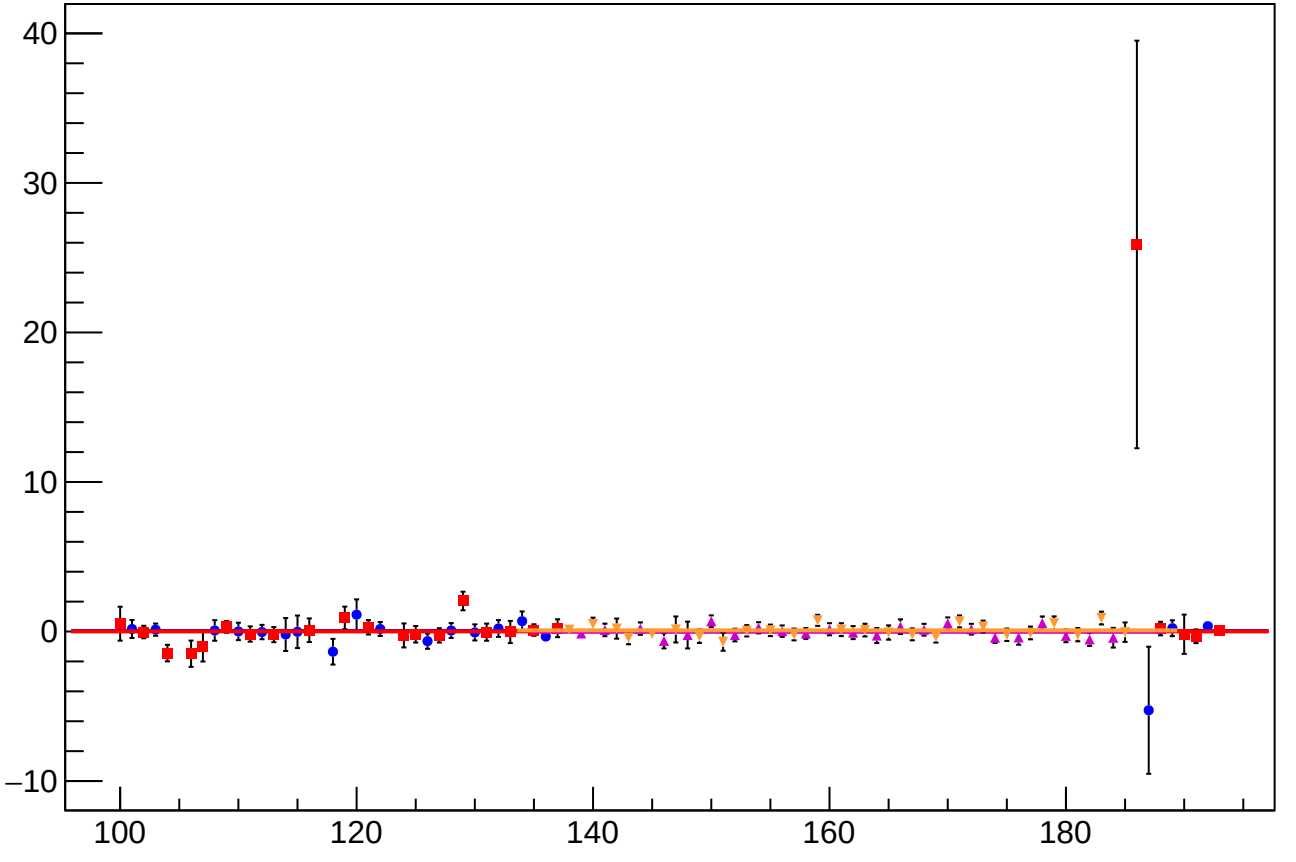
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 234.877+/-0.033 χ^2/NDF: 5890852.1/43

All: 235.220+/-0.024 χ^2/NDF: 12701476.5/90

- sign 235.574+/-0.034 χ^2/NDF: 6810408.3/46

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: 0.010+/-0.110 χ^2/NDF: 29.5/23

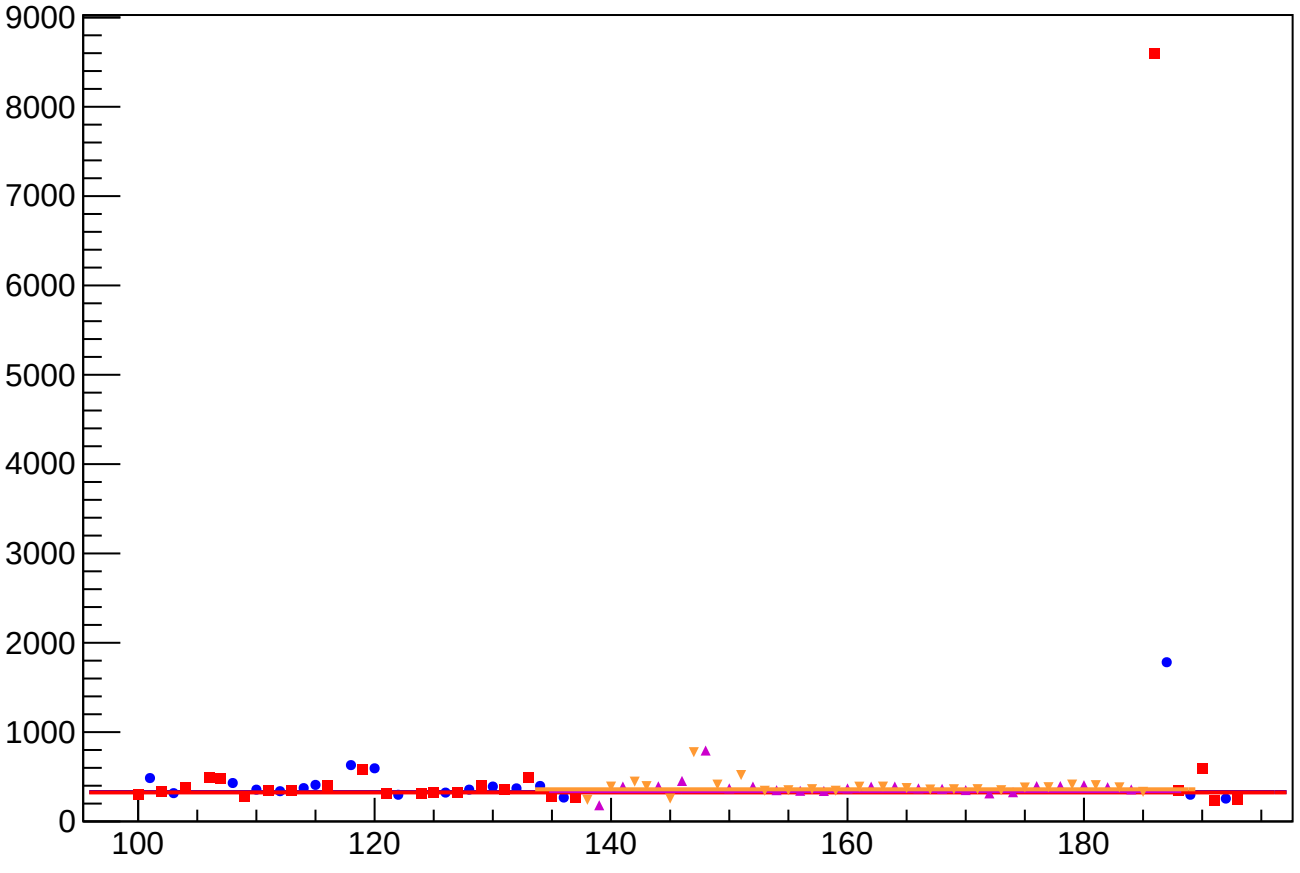
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.064+/-0.068 χ^2/NDF: 30.9/43

All: 0.030+/-0.047 χ^2/NDF: 76.1/90

- sign -0.002+/-0.066 χ^2/NDF: 44.8/46

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

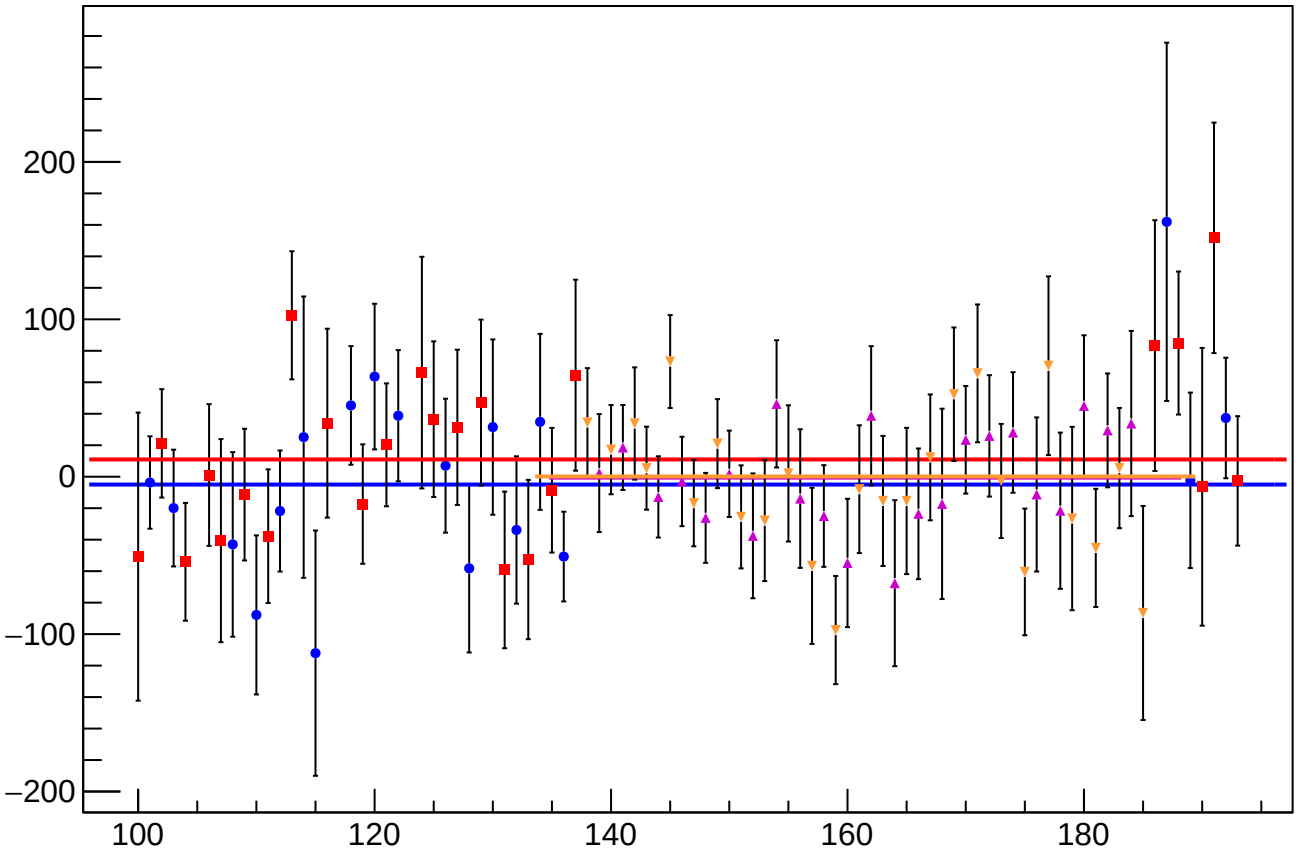
Right Out: 324.932+/-0.078 χ^2/NDF: 1665239.7/23

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 349.514+/-0.048 χ^2/NDF: 2574083.1/43

All: 341.807+/-0.034 χ^2/NDF: 6537975.6/90

- sign 334.559+/-0.047 χ^2/NDF: 3914358.9/46



Right In: -4.967+/-10.208 χ^2/NDF: 18.9/18

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

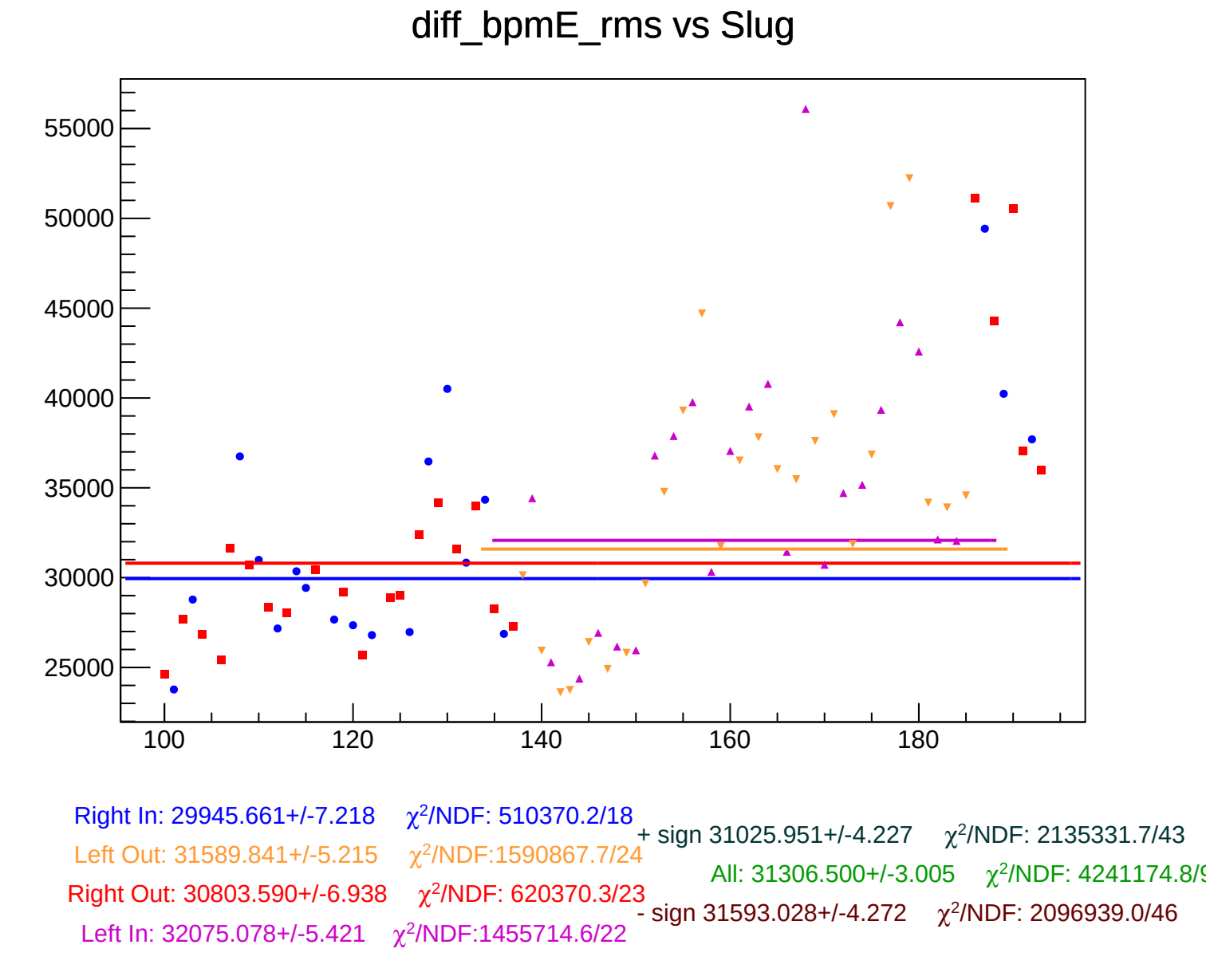
Right Out: 10.964+/-9.811 χ^2/NDF: 25.1/23

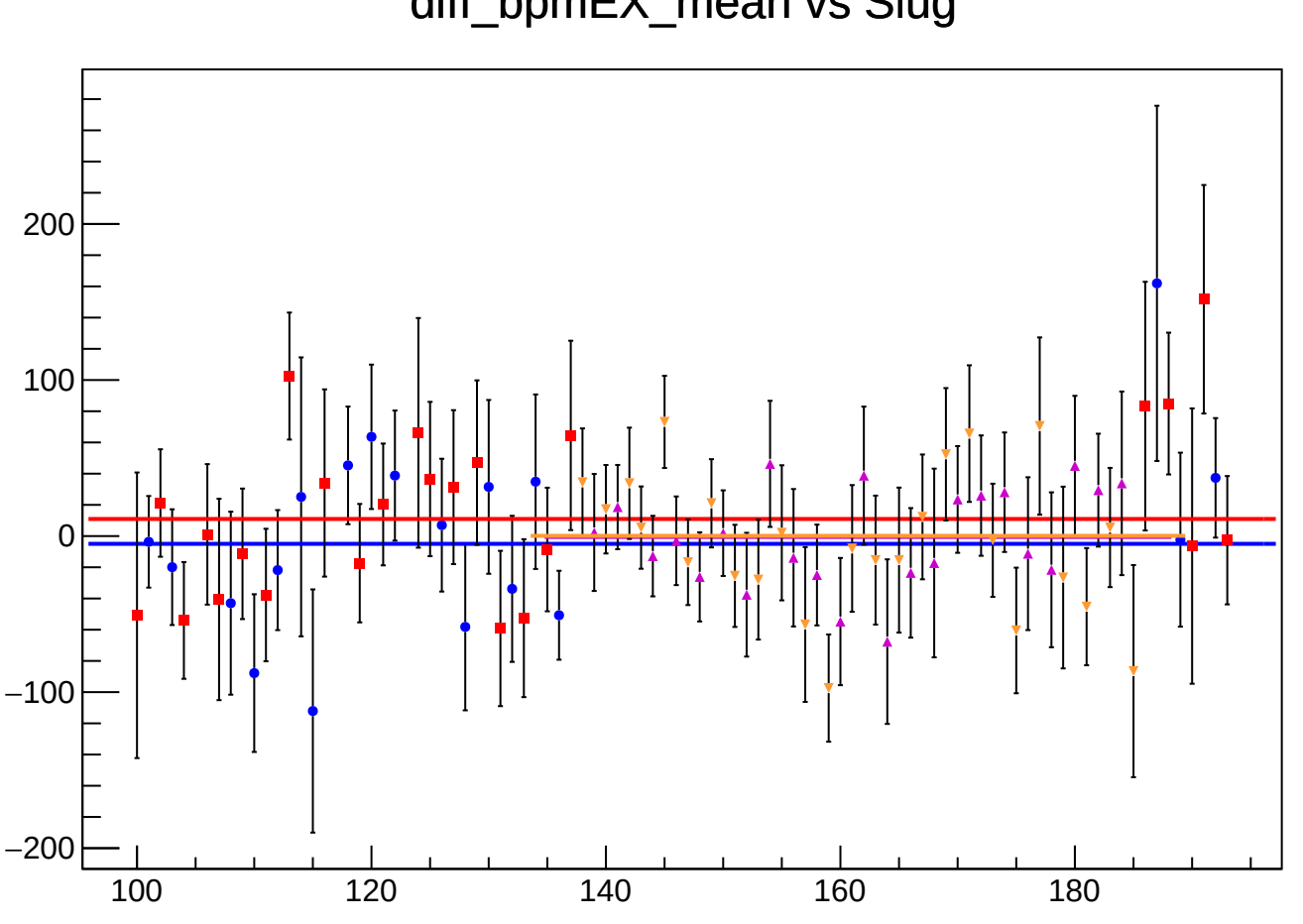
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -1.593+/-5.978 χ^2/NDF: 50.2/43

All: 1.071+/-4.249 χ^2/NDF: 89.3/90

- sign 3.793+/-6.041 χ^2/NDF: 38.7/46


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: 30803.590+/-6.938 χ²/NDF: 620370.3/23
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 31025.951+/-4.227 χ²/NDF: 2135331.7/43
All: 31306.500+/-3.005 χ²/NDF: 4241174.8/9
- sign 31593.028+/-4.272 χ²/NDF: 2096939.0/46



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: 10.964+/-9.811 χ^2/NDF: 25.1/23

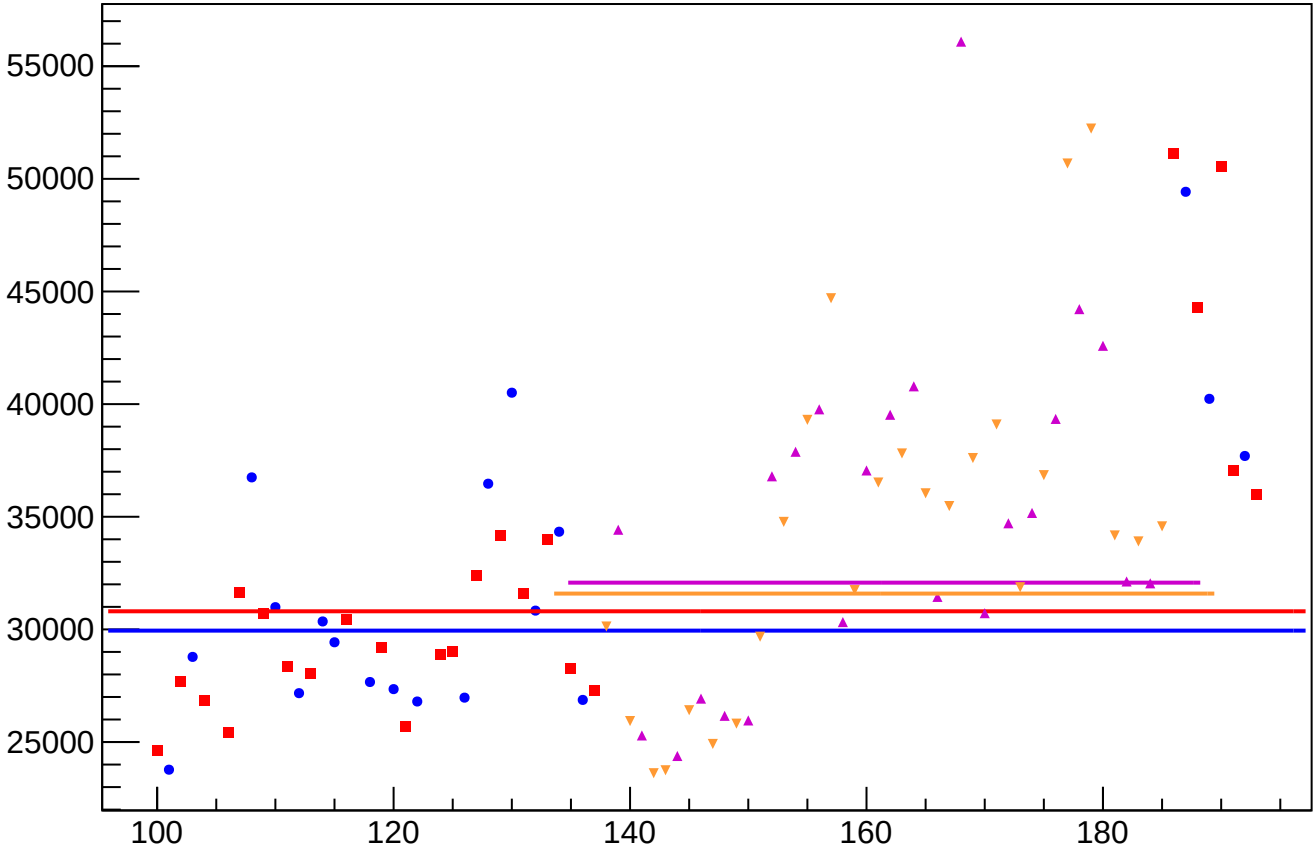
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -1.593+/-5.978 χ^2/NDF: 50.2/43

All: 1.071+/-4.249 χ^2/NDF: 89.3/90

- sign 3.793+/-6.041 χ^2/NDF: 38.7/46

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: 30803.590+/-6.938 χ^2/NDF: 620370.3/23

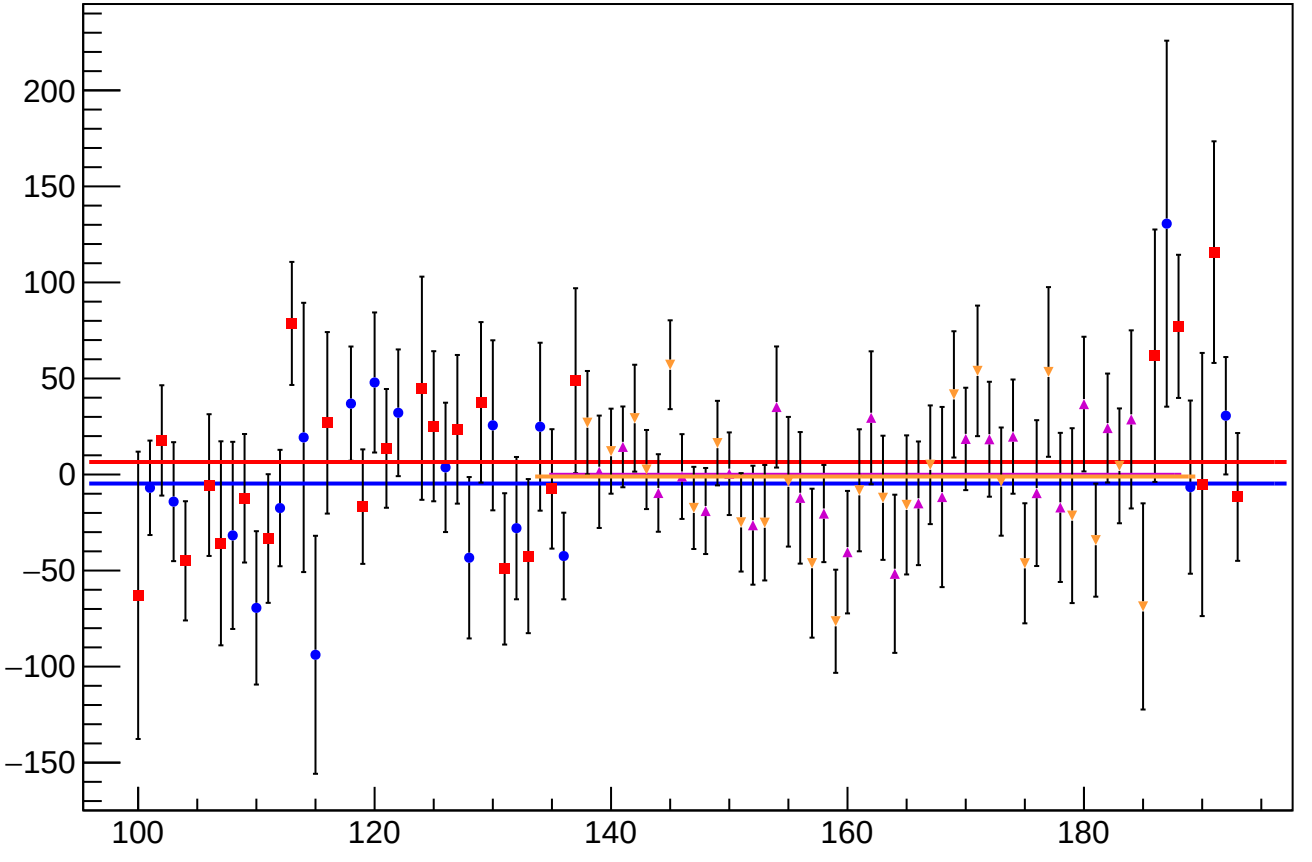
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 31025.951+/-4.227 χ^2/NDF: 2135331.7/43

All: 31306.500+/-3.005 χ^2/NDF: 4241174.8/9

- sign 31593.028+/-4.272 χ^2/NDF: 2096939.0/46

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

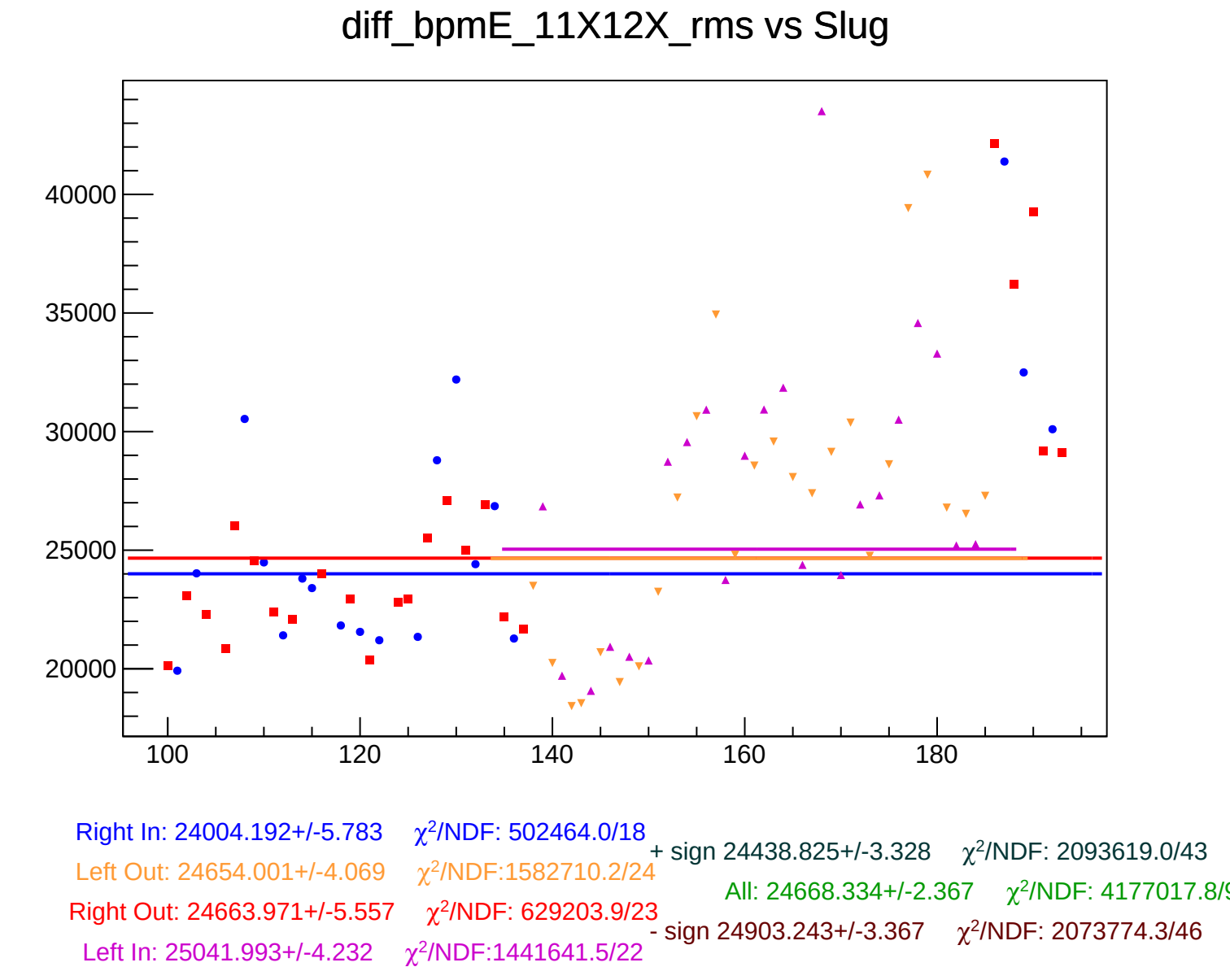
Right Out: 6.516+/-7.859 χ^2/NDF: 26.2/23

Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

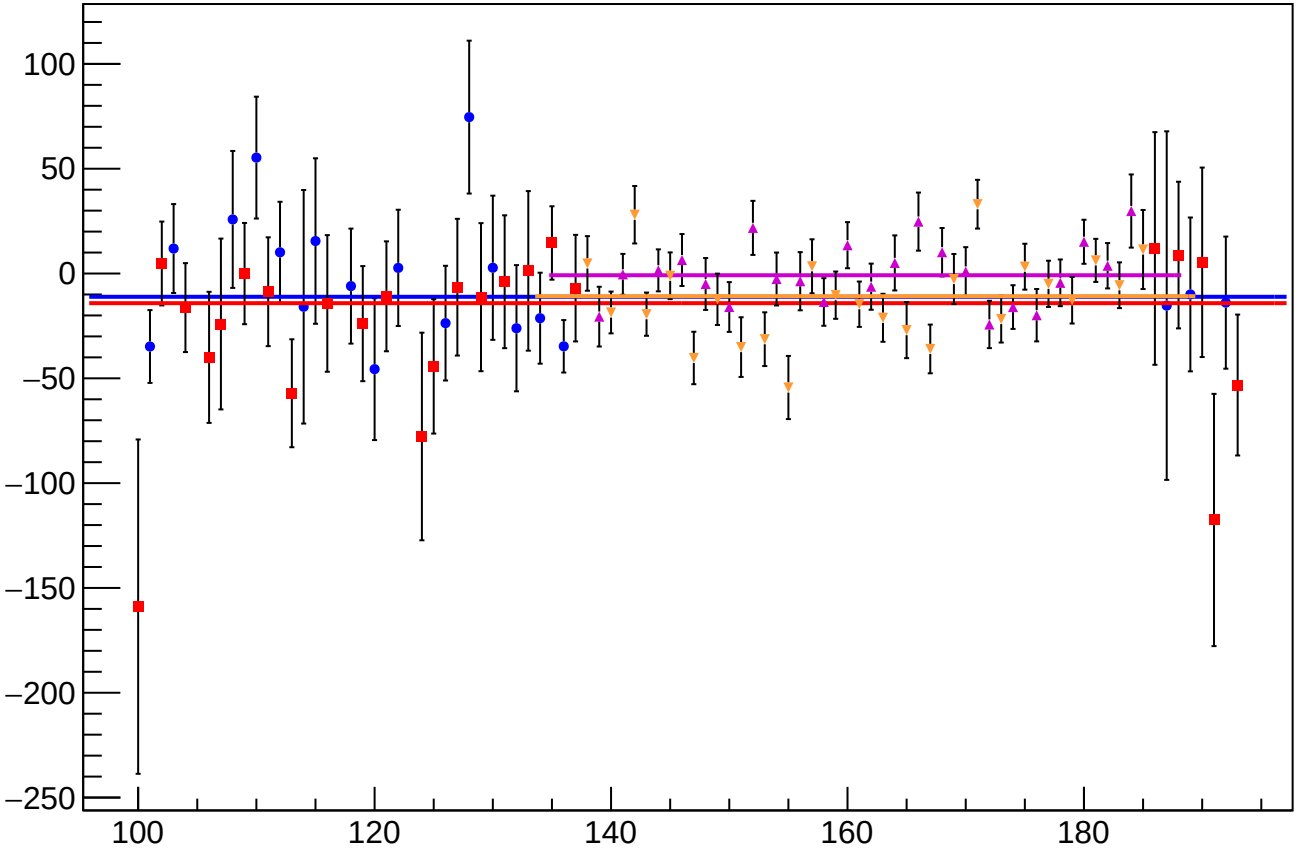
+ sign -2.253+/-4.706 χ^2/NDF: 51.5/43

All: -0.004+/-3.347 χ^2/NDF: 90.8/90

- sign 2.299+/-4.761 χ^2/NDF: 38.8/46


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: 24663.971+/-5.557 χ²/NDF: 629203.9/23
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
+ sign 24438.825+/-3.328 χ²/NDF: 2093619.0/43
All: 24668.334+/-2.367 χ²/NDF: 4177017.8/9
- sign 24903.243+/-3.367 χ²/NDF: 2073774.3/46

diff_bpm4aesumX_mean vs Slug



Right In: -11.100+/-5.945 χ^2/NDF: 22.0/18

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -14.145+/-6.047 χ^2/NDF: 19.0/23

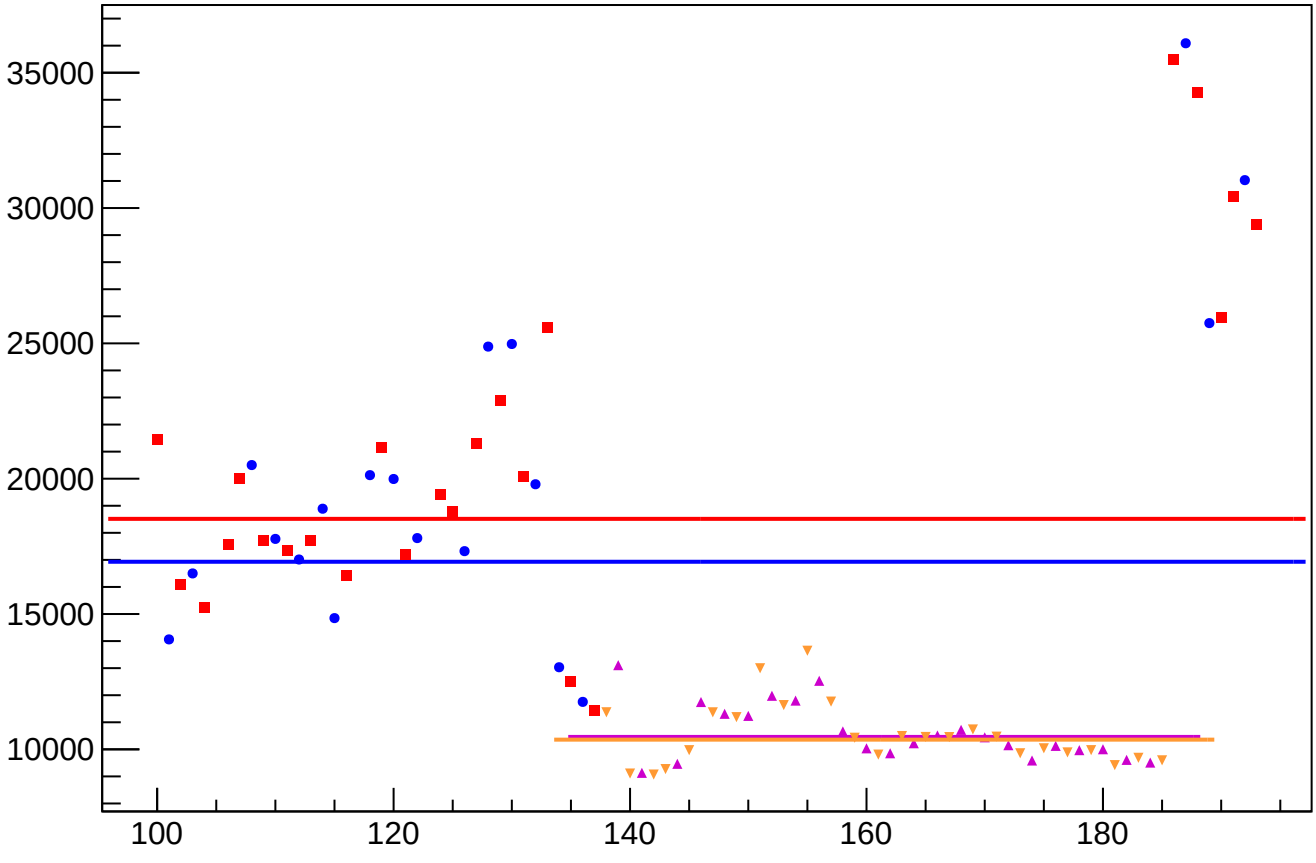
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -10.860+/-2.202 χ^2/NDF: 83.3/43

All: -6.922+/-1.583 χ^2/NDF: 142.5/90

- sign -2.713+/-2.276 χ^2/NDF: 52.6/46

diff_bpm4aesumX_rms vs Slug



Right In: 16930.925+/-4.204 χ^2/NDF: 1386606.5/18

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 18515.945+/-4.276 χ^2/NDF: 1569413.4/23

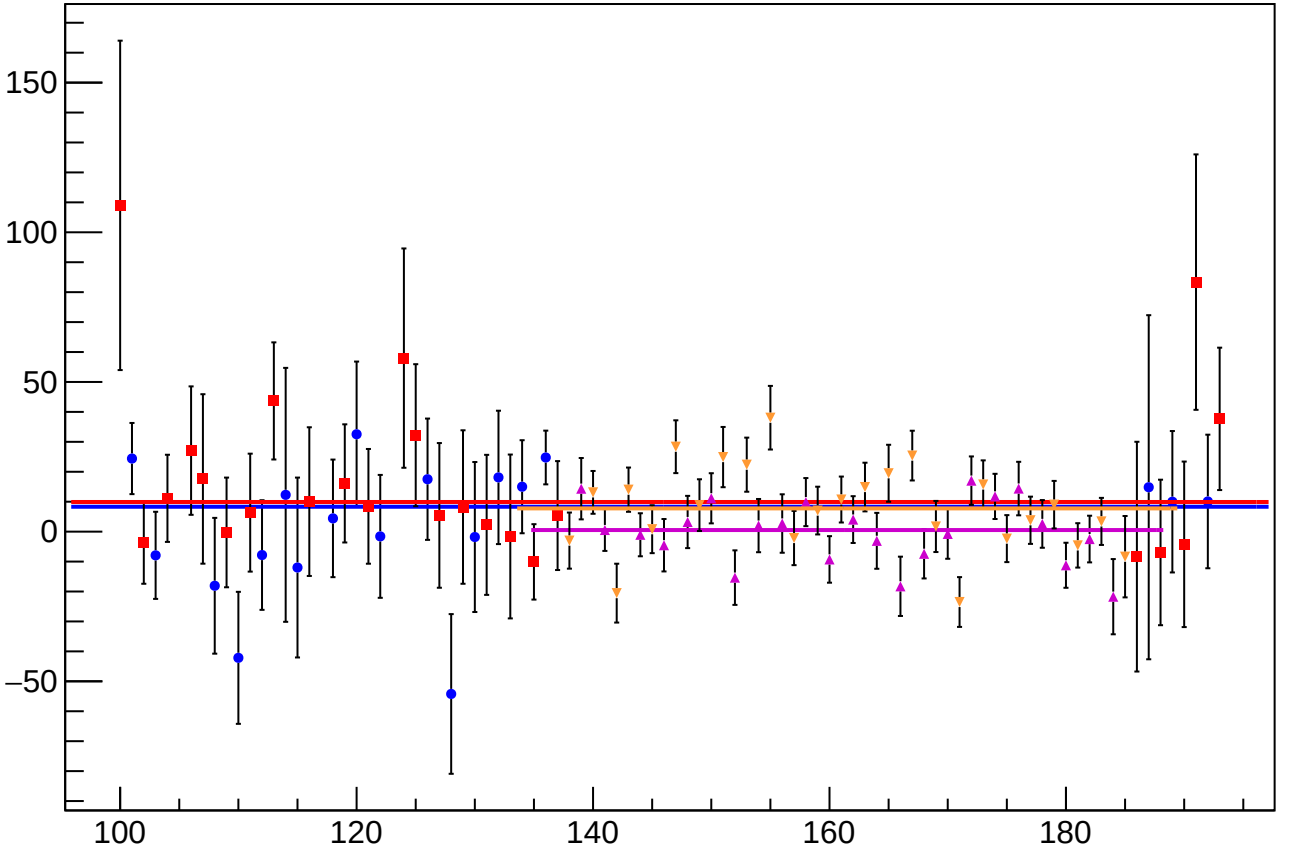
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11259.818+/-1.557 χ^2/NDF: 3858722.5/43

All: 11424.573+/-1.119 χ^2/NDF: 8813081.2/9

- sign 11600.667+/-1.610 χ^2/NDF: 4931191.4/46

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: 9.906+/-4.339 χ^2/NDF: 19.2/23

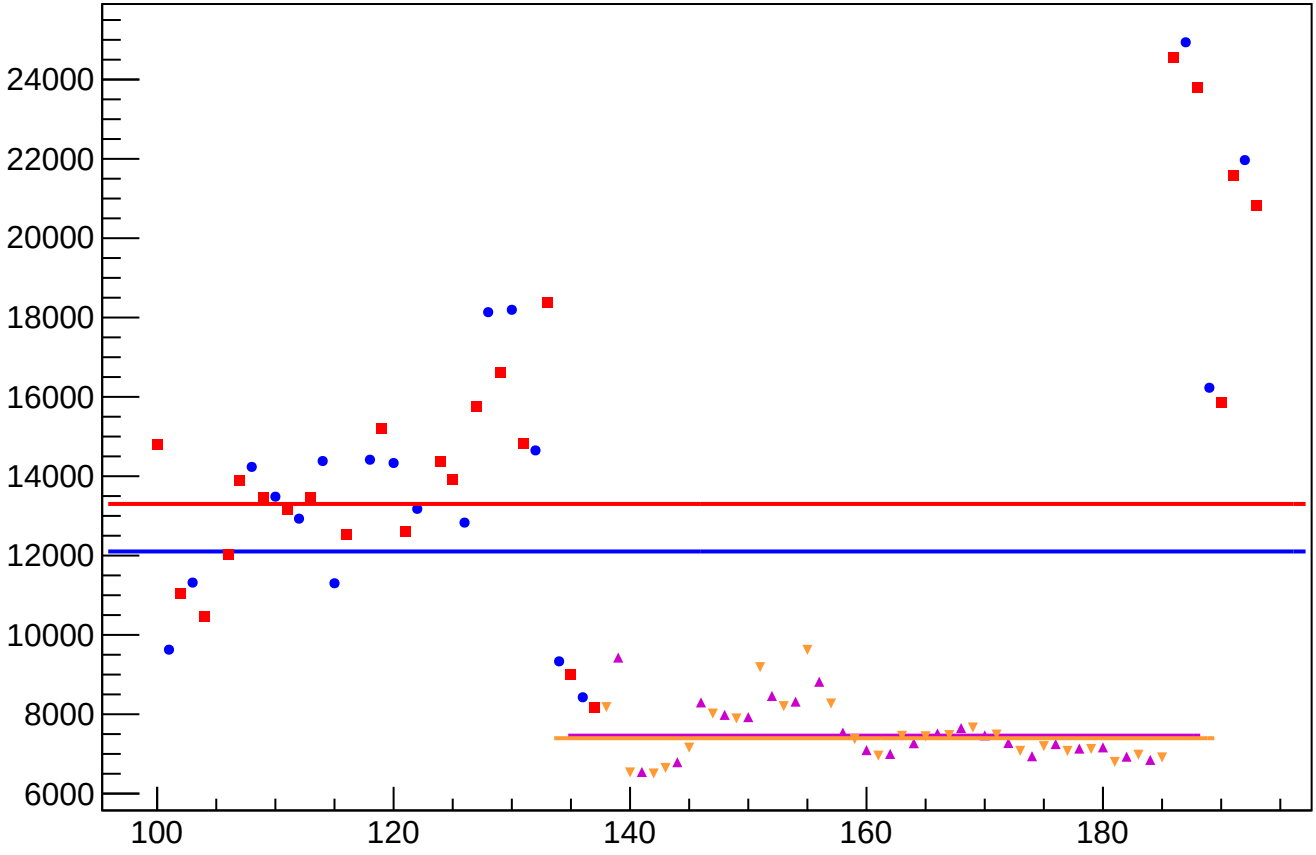
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 7.839+/-1.572 χ^2/NDF: 82.8/43

All: 4.941+/-1.130 χ^2/NDF: 142.4/90

- sign 1.846+/-1.625 χ^2/NDF: 52.6/46

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

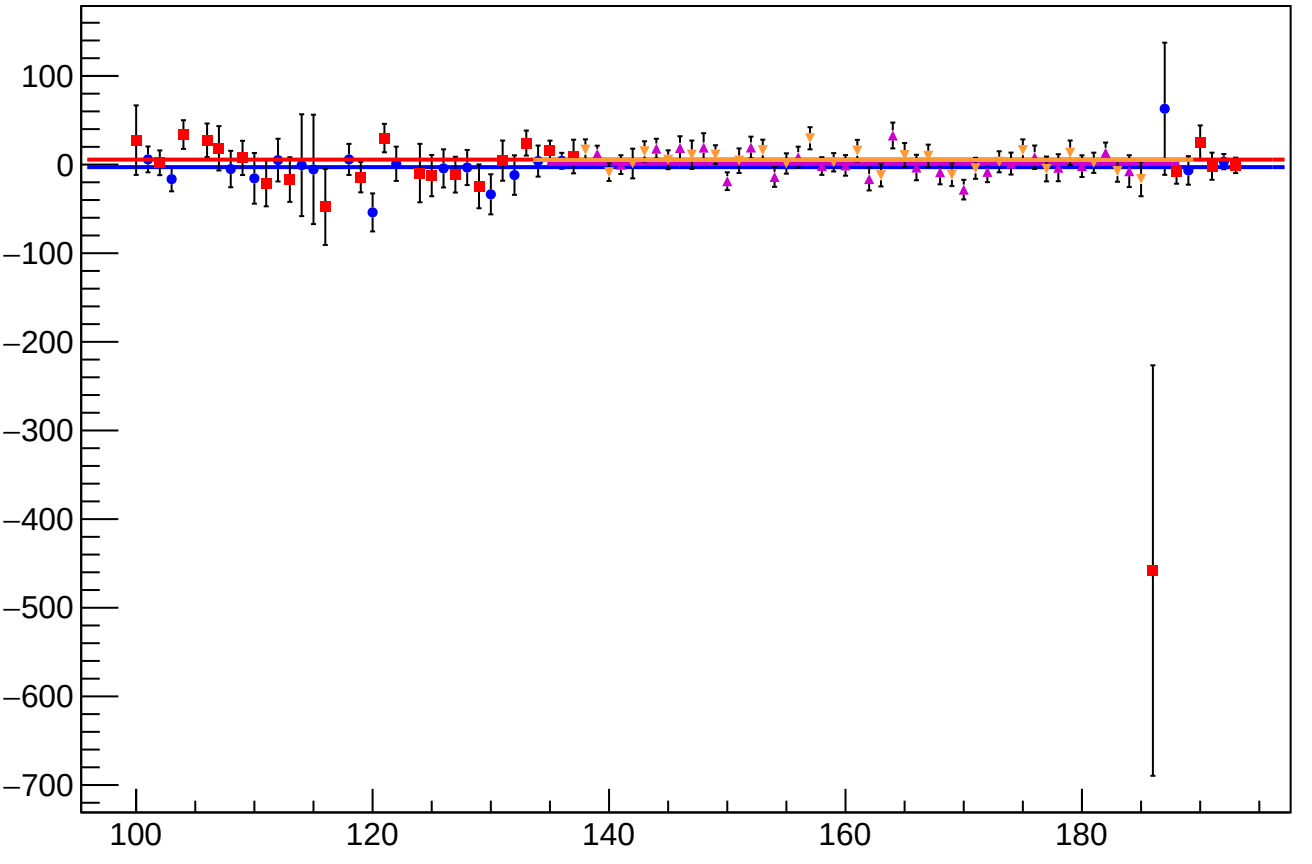
Right Out: 13301.407+/-3.068 χ^2/NDF: 1528301.1/23

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8037.996+/-1.111 χ^2/NDF: 3817950.3/43

All: 8154.746+/-0.799 χ^2/NDF: 8768600.4/90

- sign 8279.456+/-1.149 χ^2/NDF: 4927830.2/46



Right In: -2.886+/-3.900 χ^2/NDF: 11.7/18

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 5.618+/-3.596 χ^2/NDF: 24.4/23

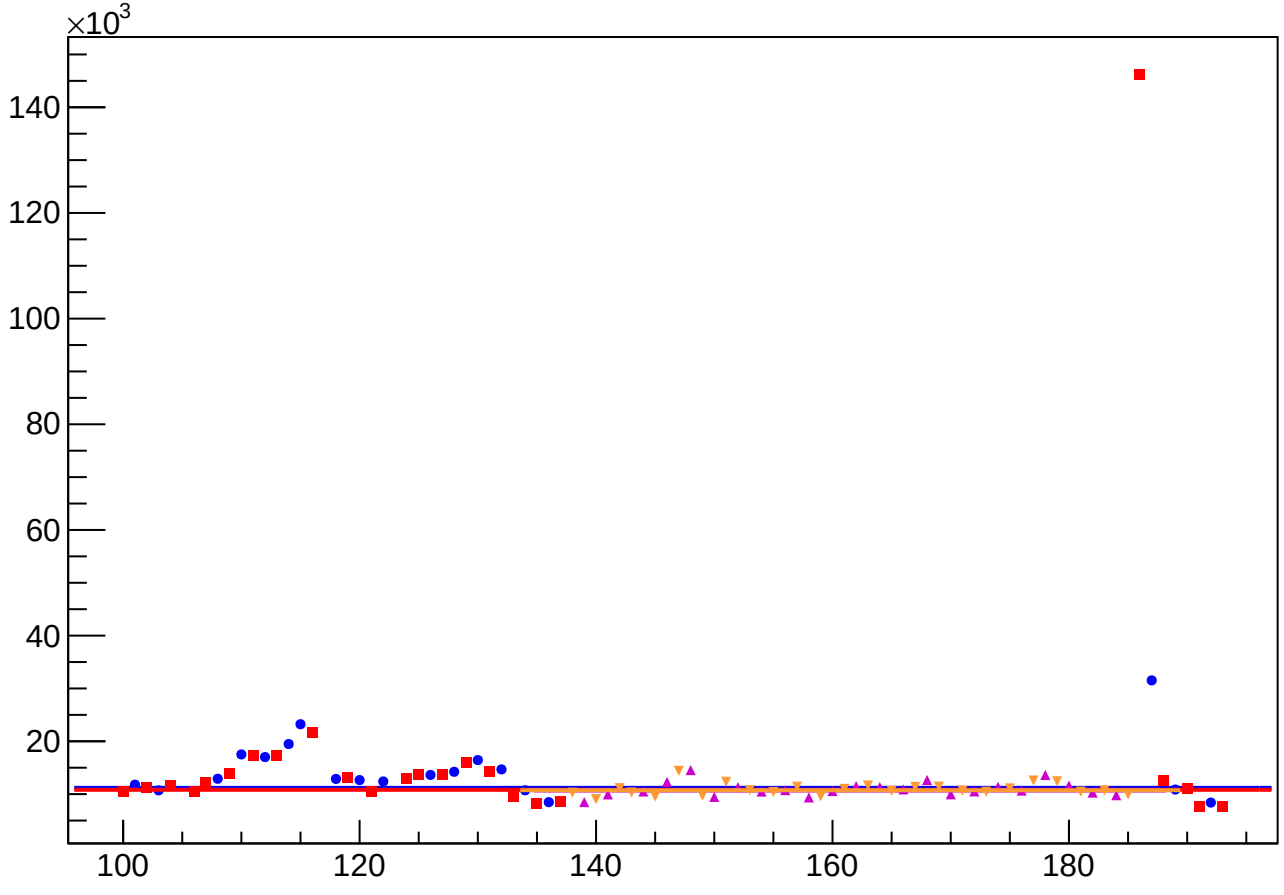
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

\+ sign 2.883+/-2.080 χ^2/NDF: 33.2/43

All: 2.664+/-1.465 χ^2/NDF: 90.5/90

\- sign 2.447+/-2.063 χ^2/NDF: 57.3/46

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: 10817.040+/-2.542 χ^2/NDF: 1928843.9/23

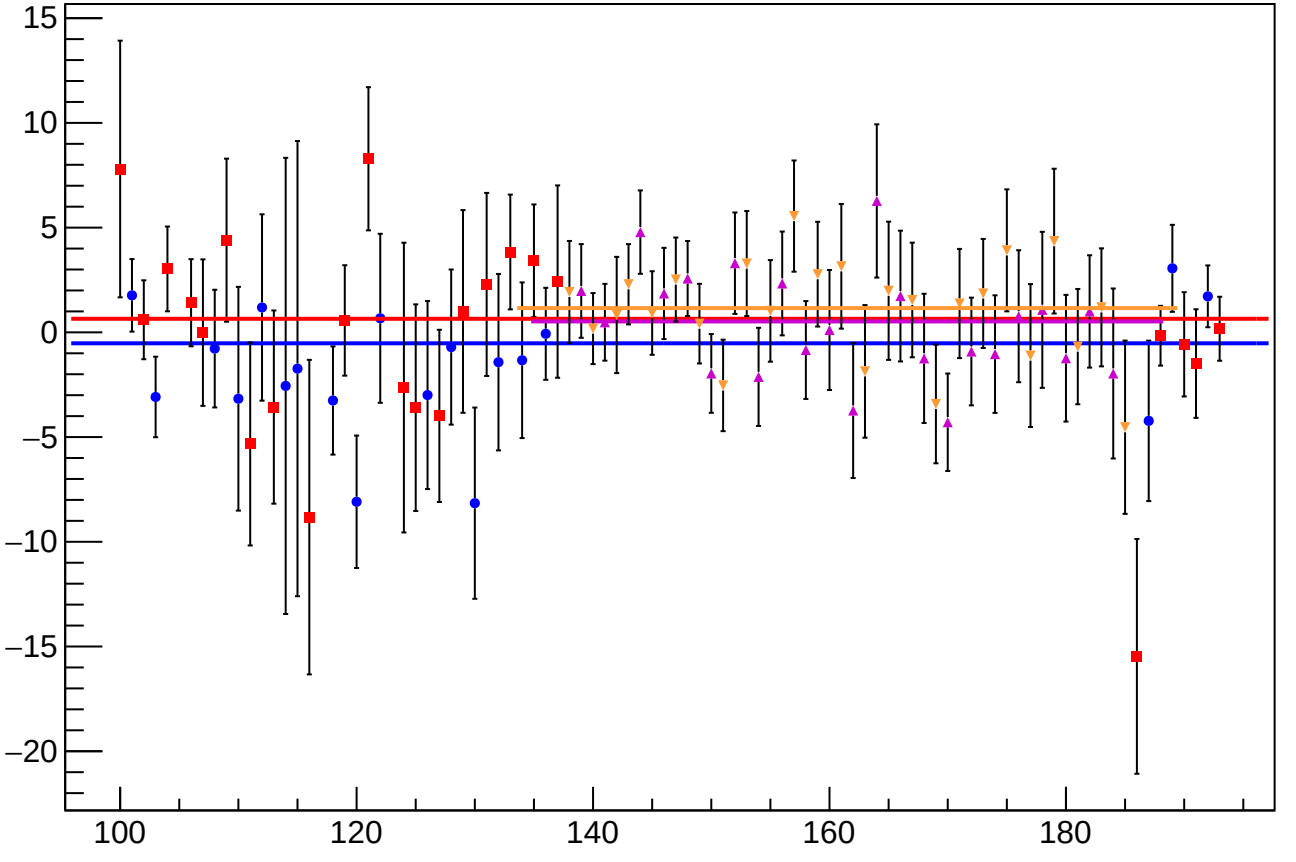
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10862.418+/-1.471 χ^2/NDF: 1548204.9/43

All: 10792.233+/-1.036 χ^2/NDF: 3984171.6/9

- sign 10723.196+/-1.459 χ^2/NDF: 2431449.1/46

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: 0.648+/-0.571 χ^2/NDF: 27.4/23

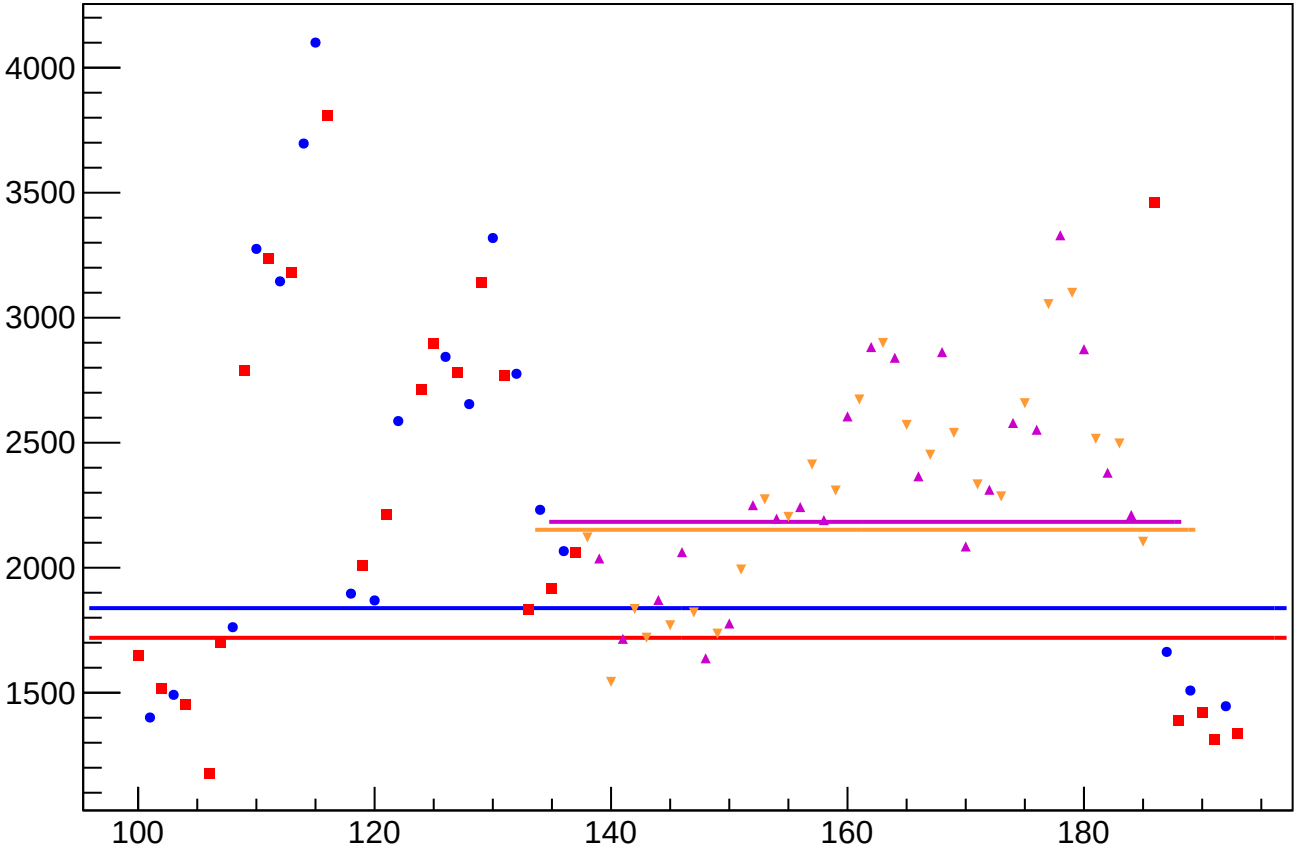
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.526+/-0.395 χ^2/NDF: 41.4/43

All: 0.553+/-0.276 χ^2/NDF: 91.1/90

- sign 0.579+/-0.384 χ^2/NDF: 49.7/46

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: 1719.650+/-0.404 χ^2/NDF: 2068440.5/23

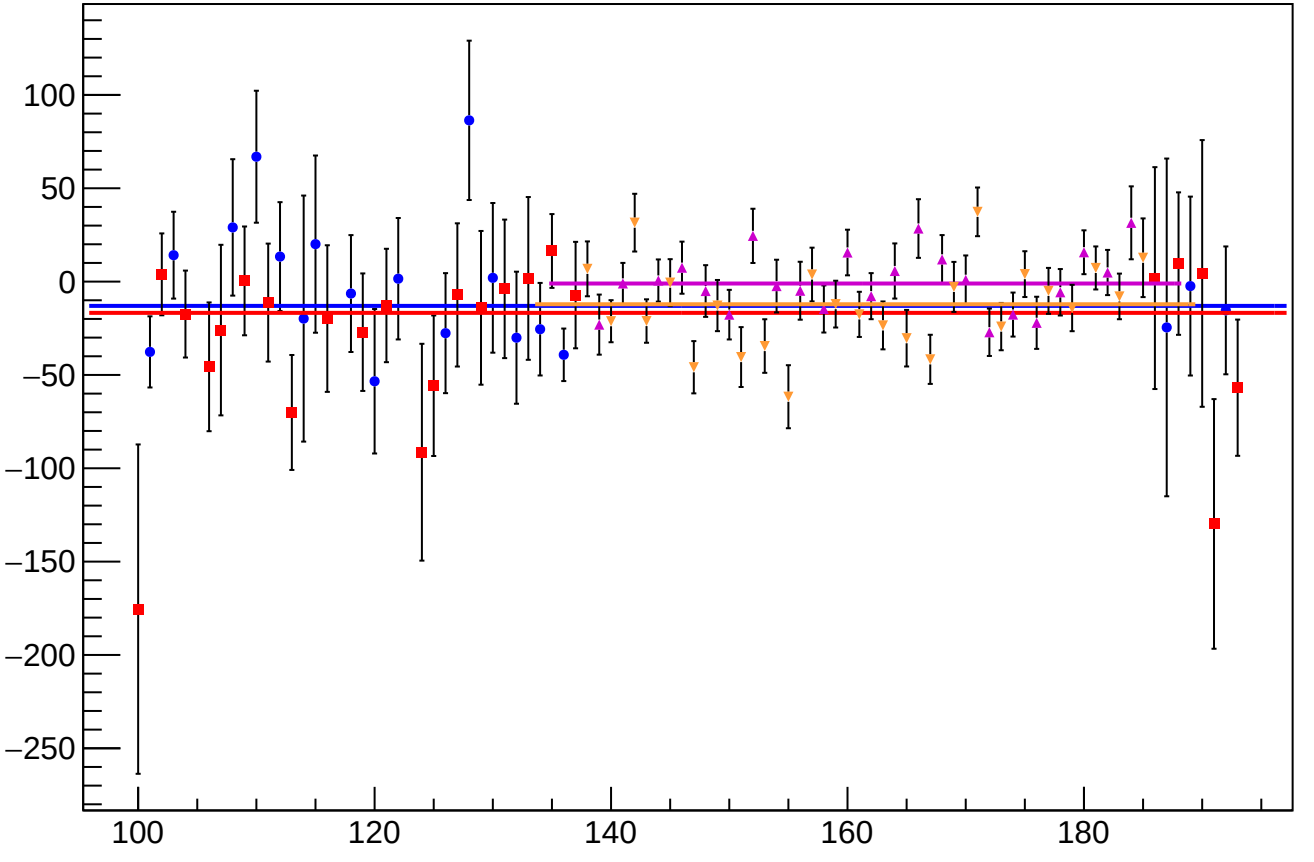
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 2033.890+/-0.279 χ^2/NDF: 3117903.9/43

All: 2002.768+/-0.195 χ^2/NDF: 7094245.9/90

- sign 1973.295+/-0.272 χ^2/NDF: 3952172.9/46

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: -16.746+/-6.934 χ^2/NDF: 19.1/23

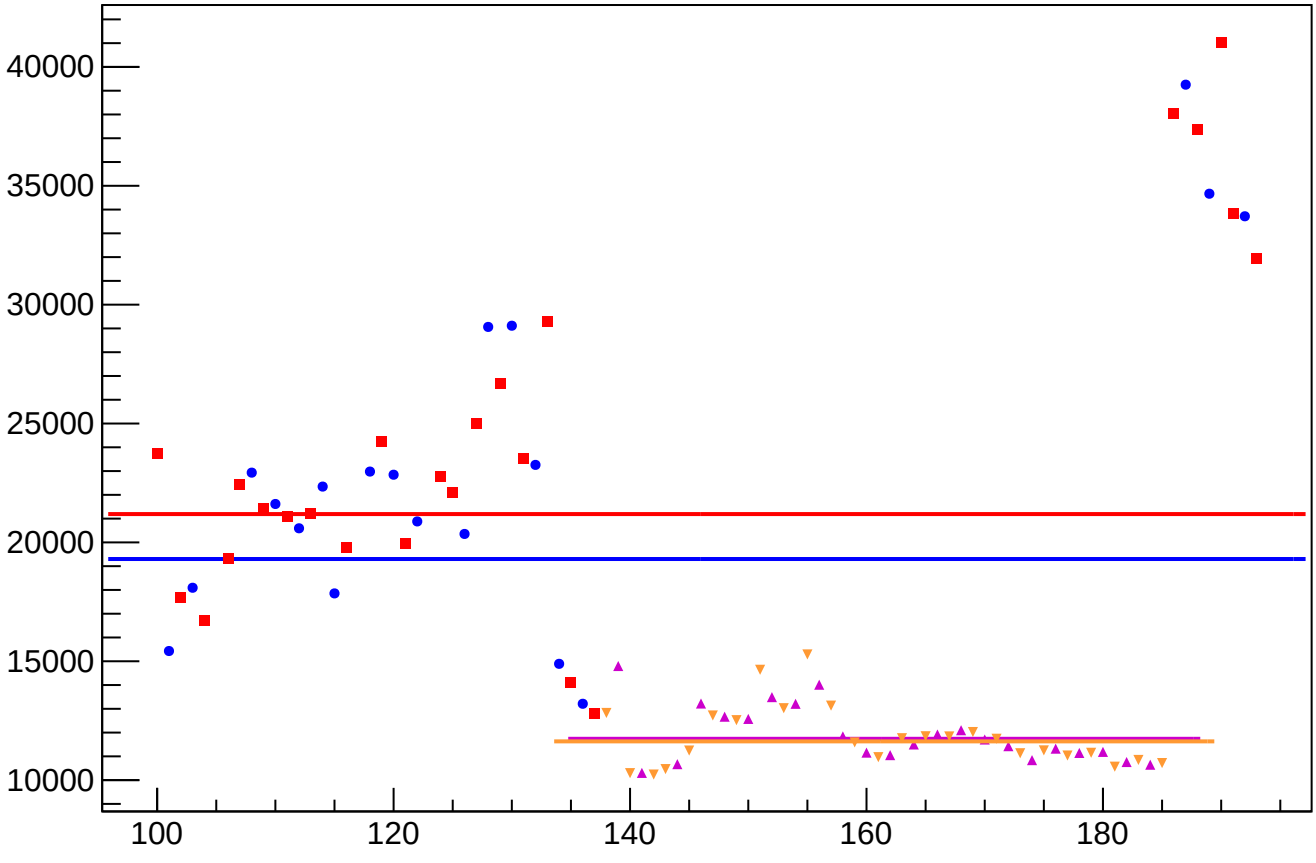
Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

+ sign -12.251+/-2.478 χ^2/NDF: 84.6/43

All: -7.863+/-1.781 χ^2/NDF: 143.4/90

- sign -3.171+/-2.562 χ^2/NDF: 52.4/46

diff_bpmtargetsumX_rms vs Slug



Right In: 19301.025+/-4.804 χ^2/NDF: 1522560.0/18

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 21191.374+/-4.903 χ^2/NDF: 1641417.7/23

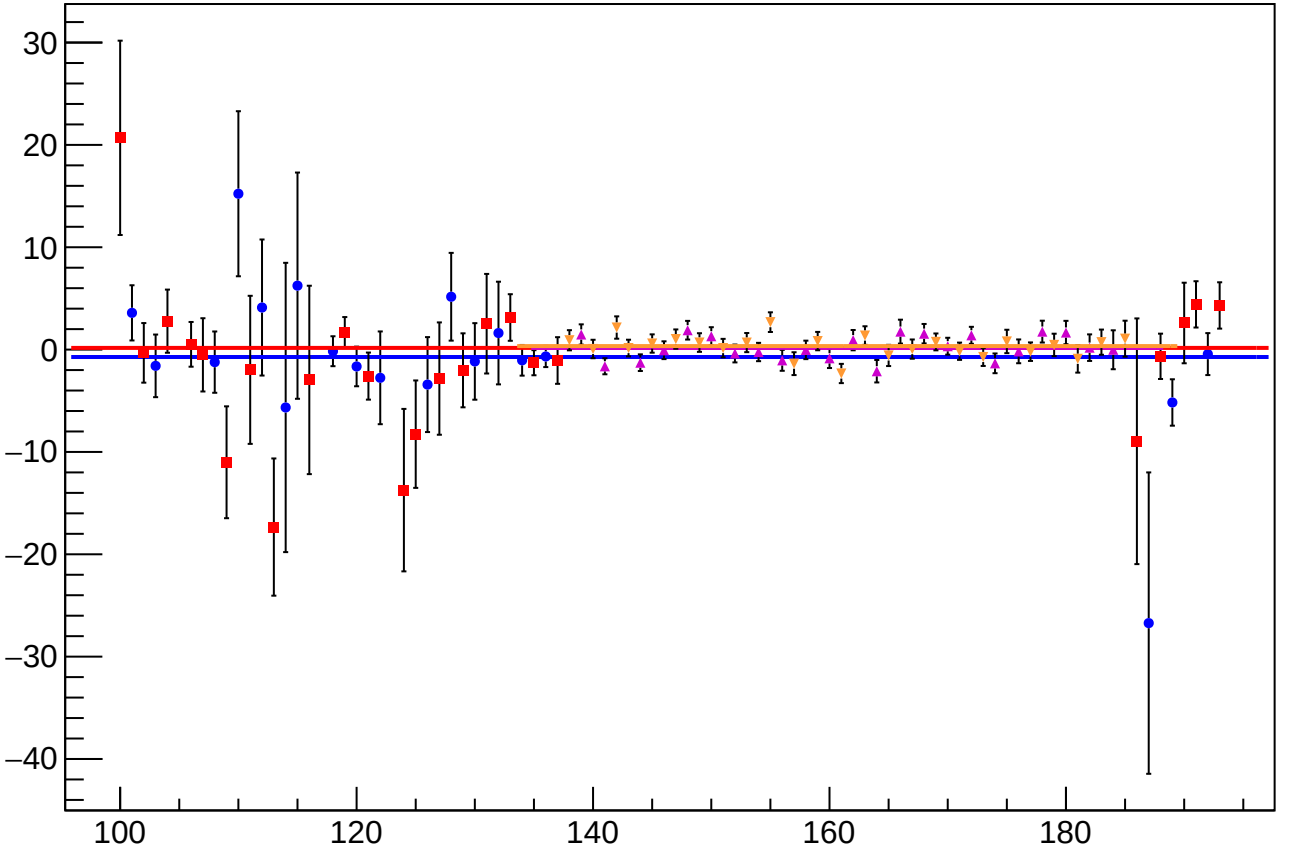
Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

+ sign 12650.537+/-1.752 χ^2/NDF: 4089113.0/43

All: 12833.577+/-1.260 χ^2/NDF: 9276327.7/9

- sign 13029.324+/-1.812 χ^2/NDF: 5164628.7/46

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: 0.165+/-0.563 χ^2/NDF: 37.0/23

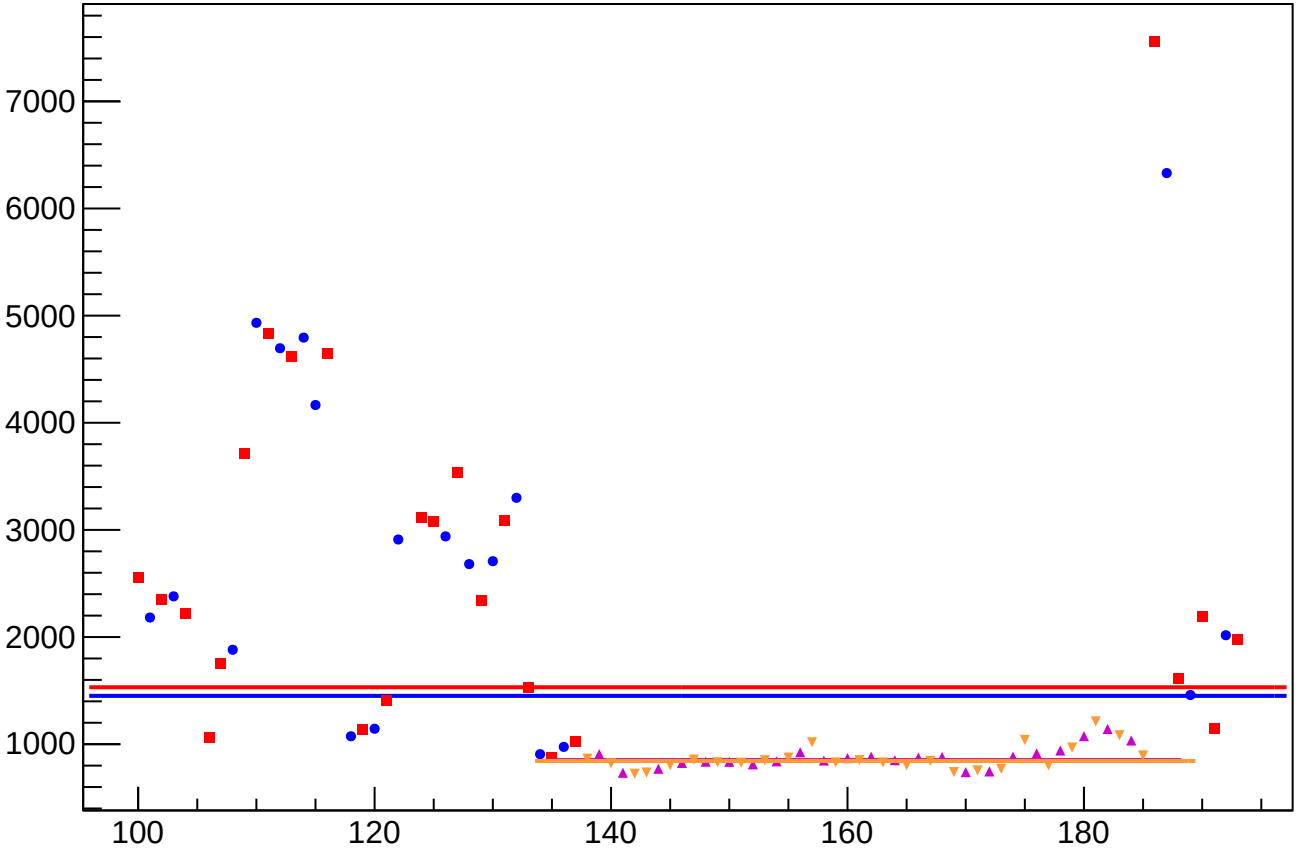
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.228+/-0.183 χ^2/NDF: 47.7/43

All: 0.198+/-0.132 χ^2/NDF: 121.2/90

- sign 0.165+/-0.189 χ^2/NDF: 73.4/46

diff_bpmtargetdiffX_rms vs Slug



Right In: 1451.060+/-0.394 χ^2/NDF: 3771218.9/18

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

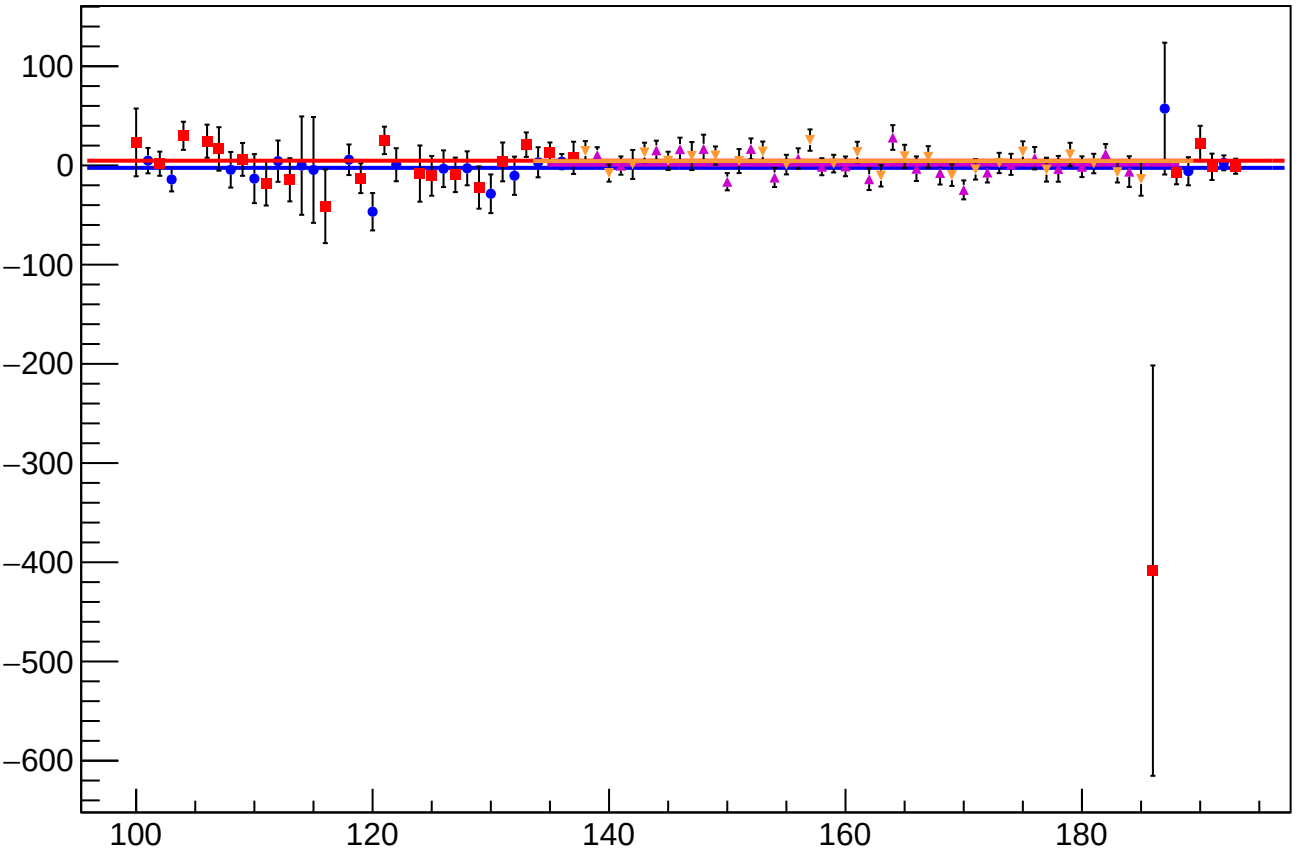
Right Out: 1531.306+/-0.398 χ^2/NDF: 4109082.7/23

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 908.702+/-0.129 χ^2/NDF: 6395105.4/43

All: 918.207+/-0.093 χ^2/NDF: 13483500.6/90

- sign 928.362+/-0.134 χ^2/NDF: 7077239.5/46



Right In: -2.436+/-3.382 χ^2/NDF: 11.5/18

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 4.783+/-3.126 χ^2/NDF: 24.4/23

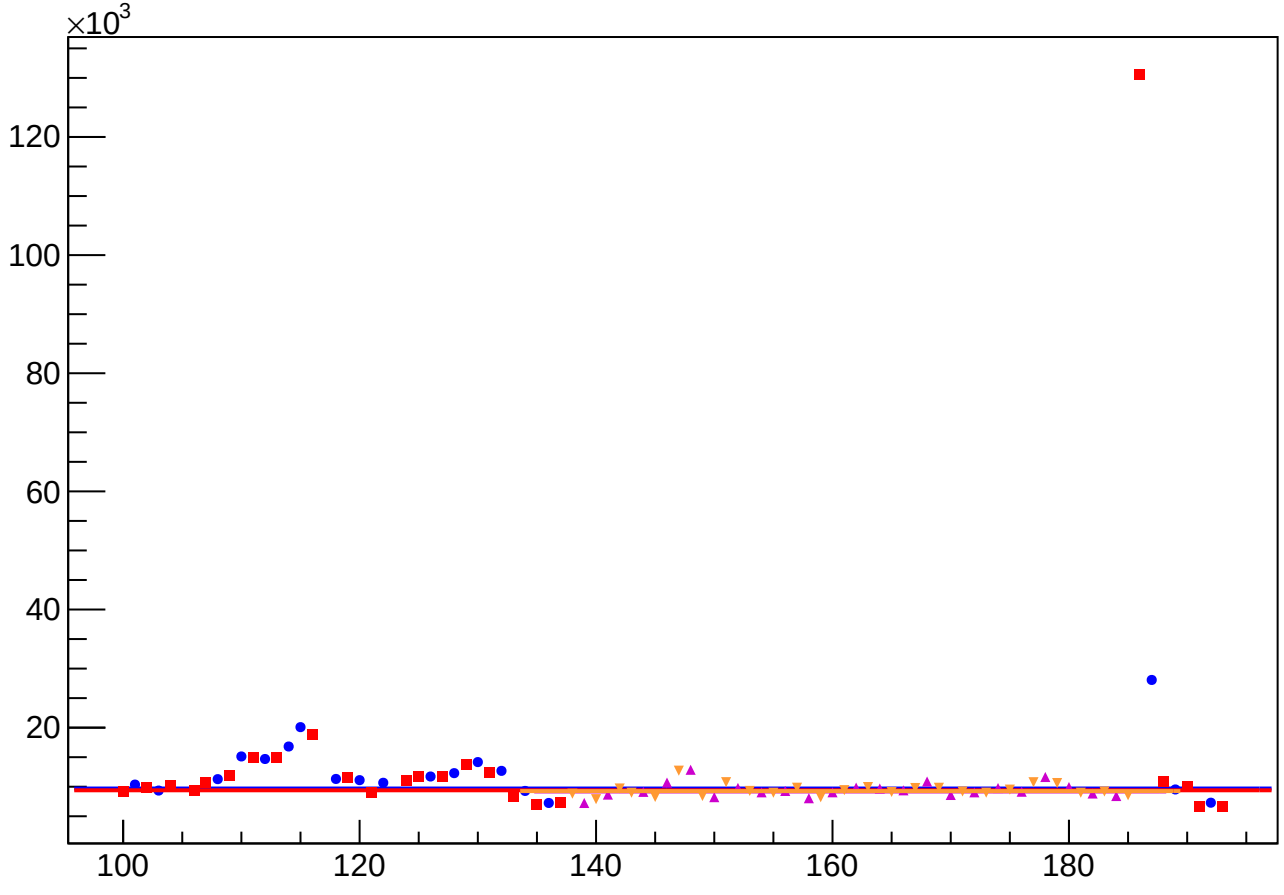
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 2.457+/-1.797 χ^2/NDF: 33.0/43

All: 2.253+/-1.266 χ^2/NDF: 90.6/90

- sign 2.051+/-1.783 χ^2/NDF: 57.5/46

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: 9397.022+/-2.210 χ^2/NDF: 1935458.9/23

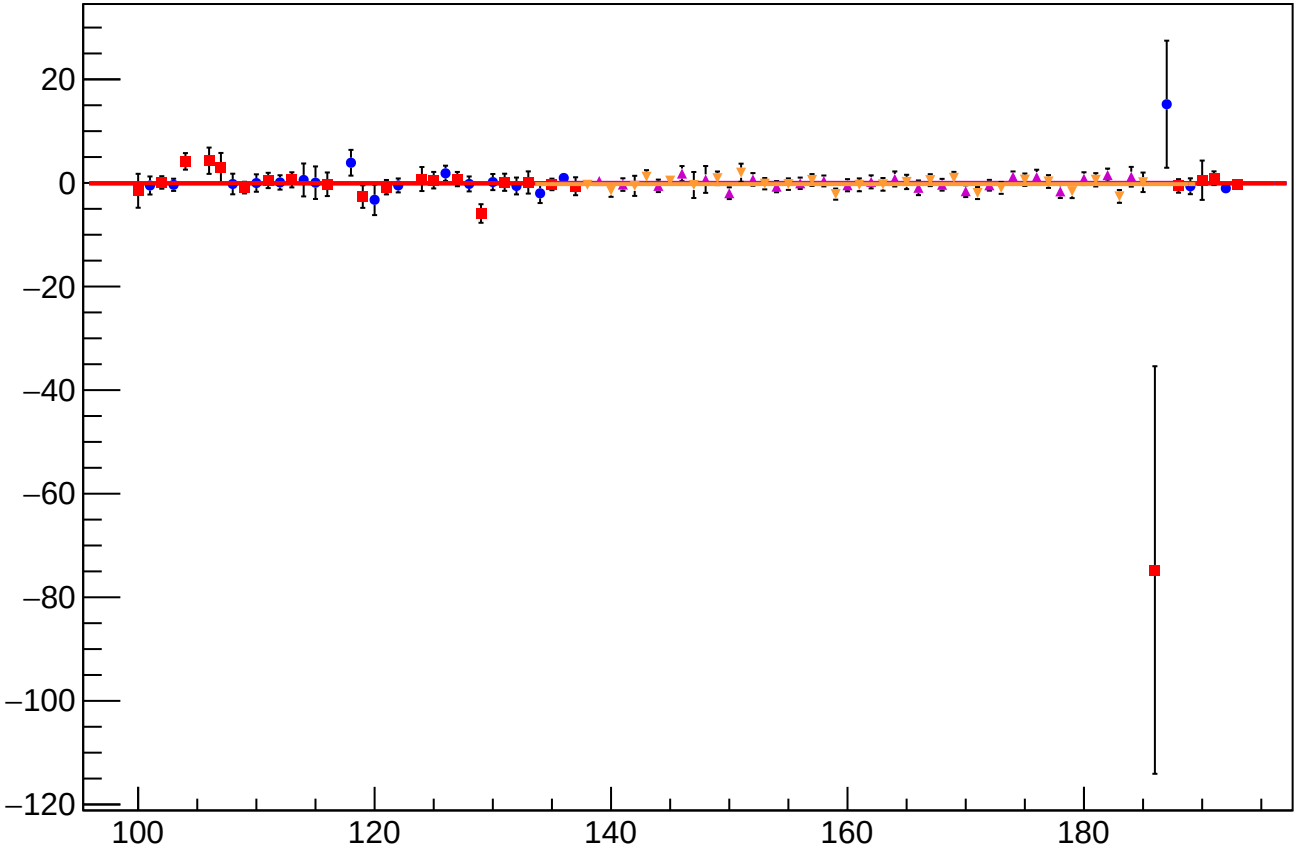
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

\+ sign 9383.769+/-1.271 χ^2/NDF: 1568551.9/43

All: 9323.294+/-0.895 χ^2/NDF: 4029385.4/90

\- sign 9263.782+/-1.261 χ^2/NDF: 2456340.9/46

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: -0.029+/-0.317 χ^2/NDF: 29.5/23

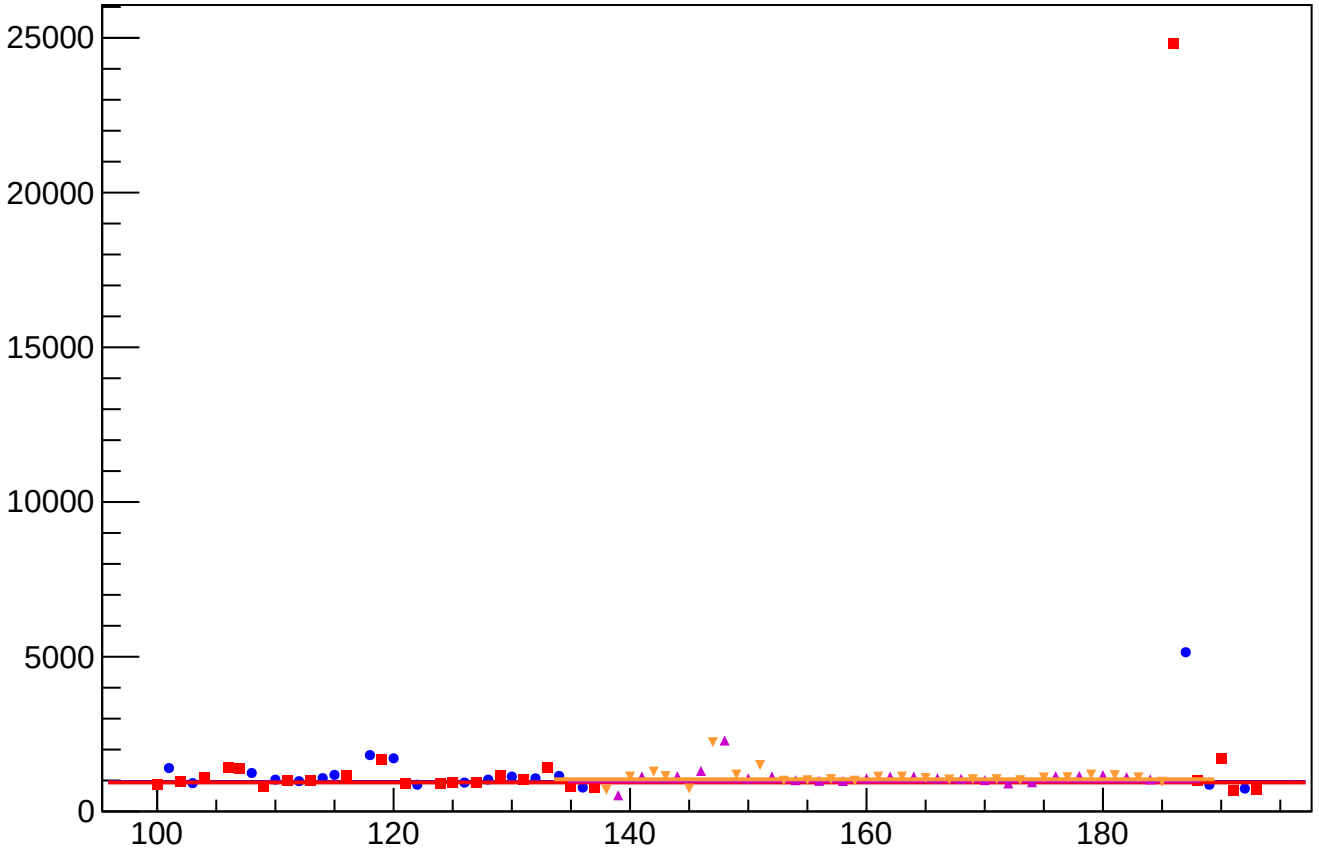
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.185+/-0.197 χ^2/NDF: 30.9/43

All: -0.087+/-0.137 χ^2/NDF: 76.1/90

- sign 0.005+/-0.191 χ^2/NDF: 44.8/46

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: 938.117+/-0.224 χ^2/NDF: 1665239.7/23

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 1009.087+/-0.139 χ^2/NDF: 2574083.1/43

All: 986.837+/-0.097 χ^2/NDF: 6537975.6/90

- sign 965.912+/-0.135 χ^2/NDF: 3914358.9/46

yield_cav4bX_mean vs Slug

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: 774177407744356.9/23

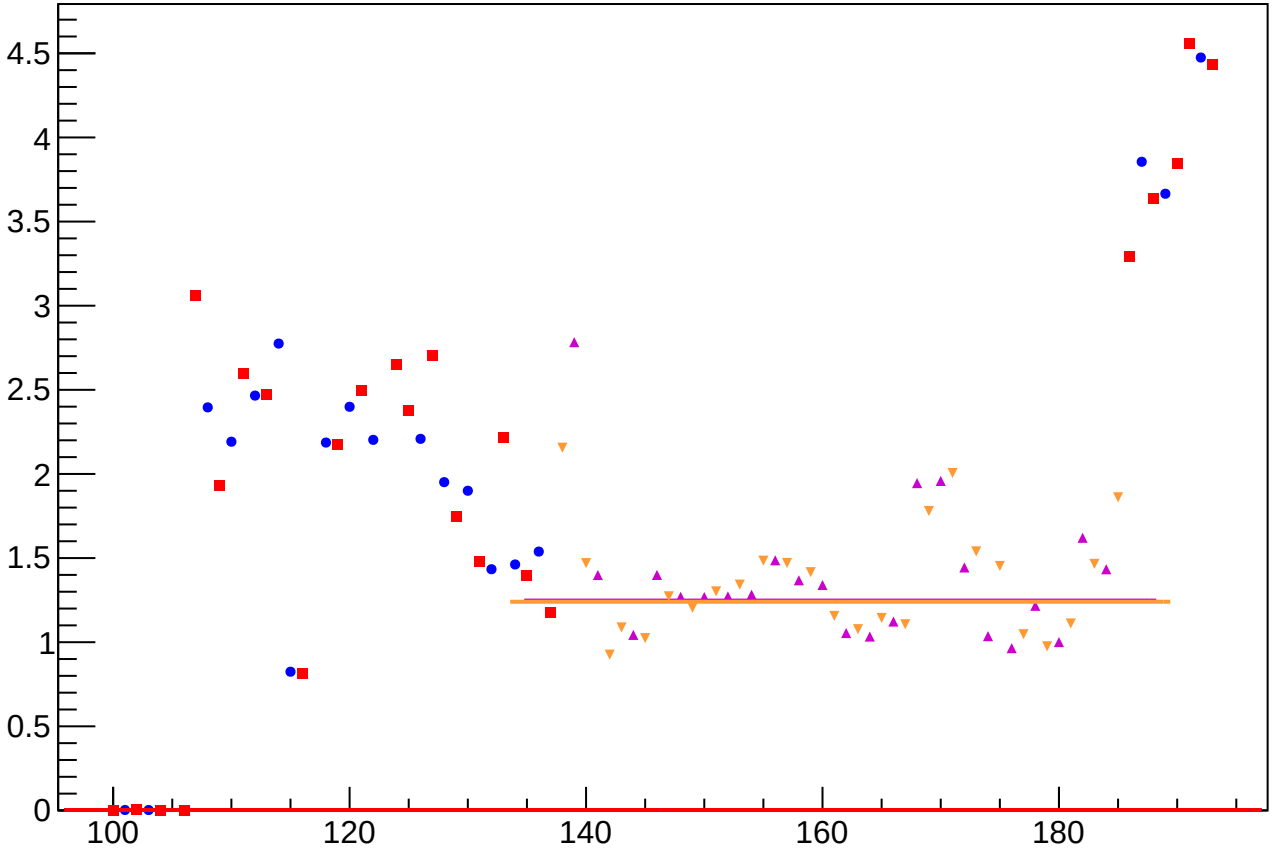
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.328+/-0.000 χ^2/NDF: 324421992856.5/4

All: 131.810+/-0.000 χ^2/NDF: 79349461111

- sign 125.385+/-0.000 χ^2/NDF: 774391061038618

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

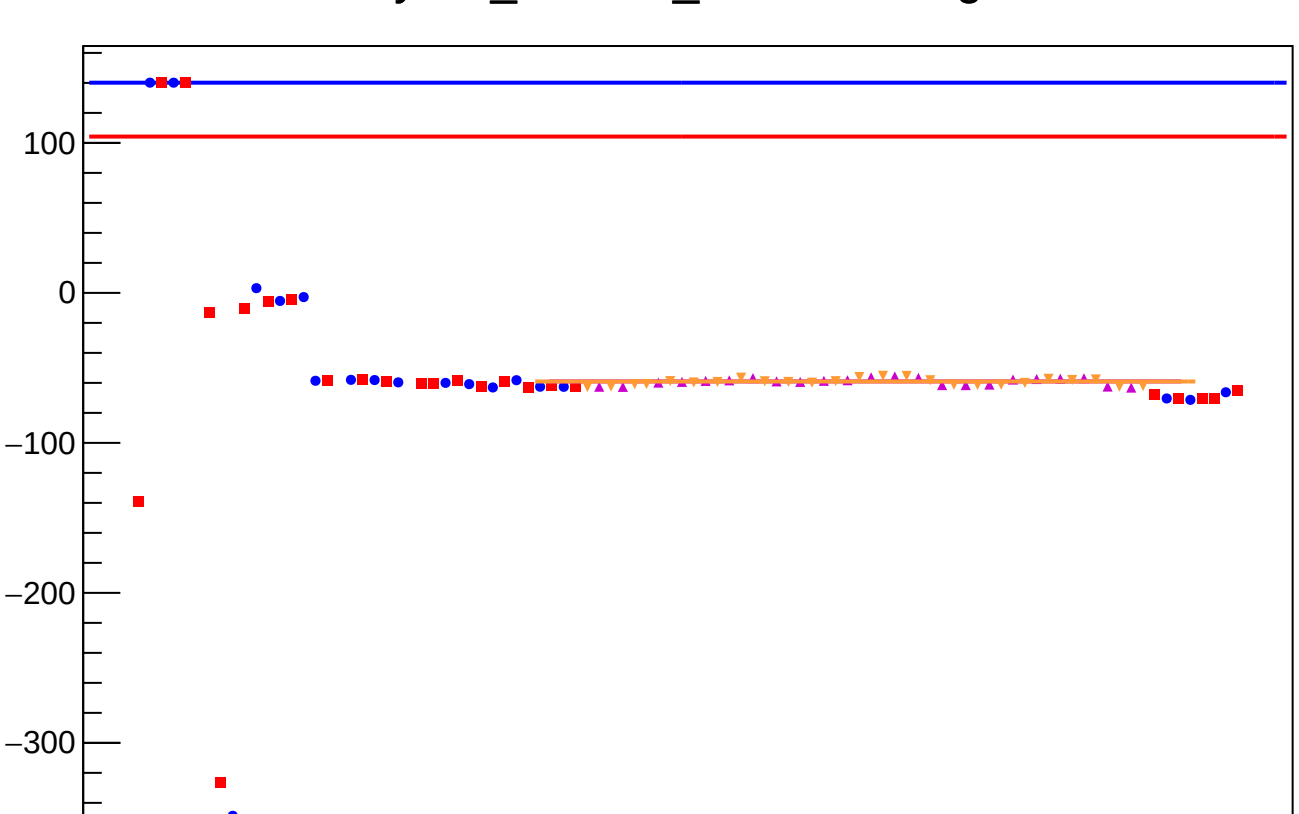
Right Out: 0.003+/-0.000 χ^2/NDF: 14982252.6/23

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: 88885162.1/90

- sign 0.003+/-0.000 χ^2/NDF: 44749483.0/46



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: 104.223+/-0.000 χ^2/NDF: 1257454510858450.8/23

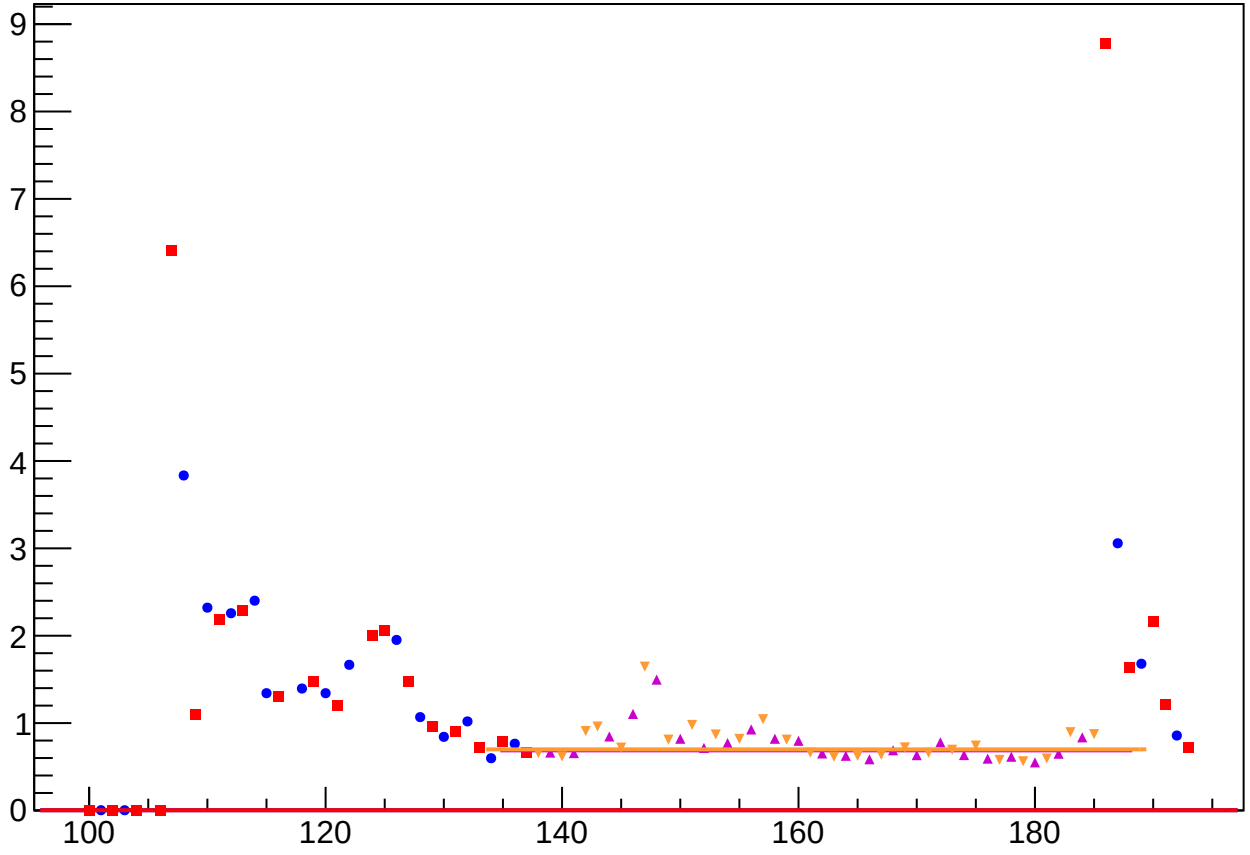
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.106+/-0.000 χ^2/NDF: 1534159333242.4

All: 120.800+/-0.000 χ^2/NDF: 13830979308

- sign 104.197+/-0.000 χ^2/NDF: 125831156022285

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

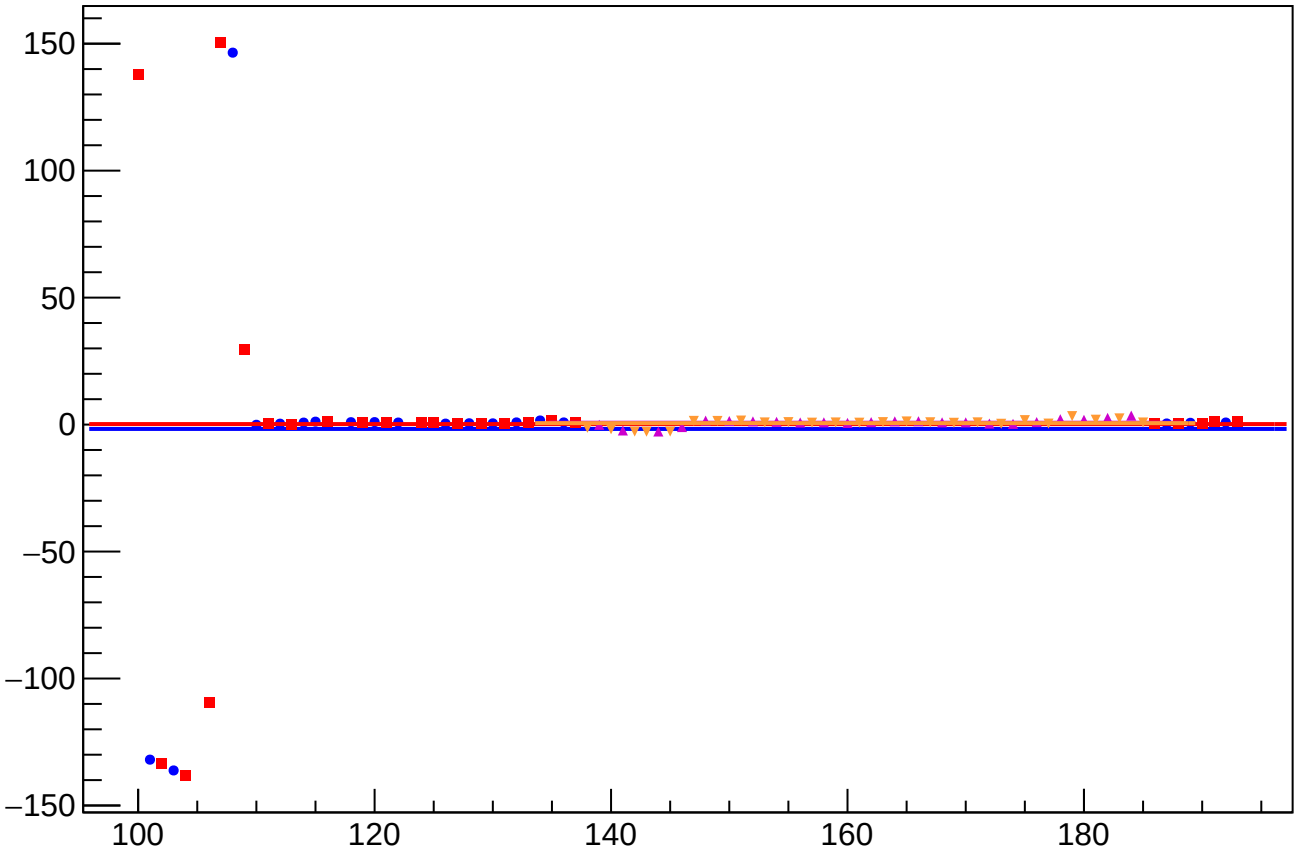
Right Out: 0.003+/-0.000 χ^2/NDF: 15089526.0/23

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: 92739453.4/90

- sign 0.003+/-0.000 χ^2/NDF: 46399328.2/46



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: 0.201+/-0.000 χ^2/NDF: 3611609295.3/23

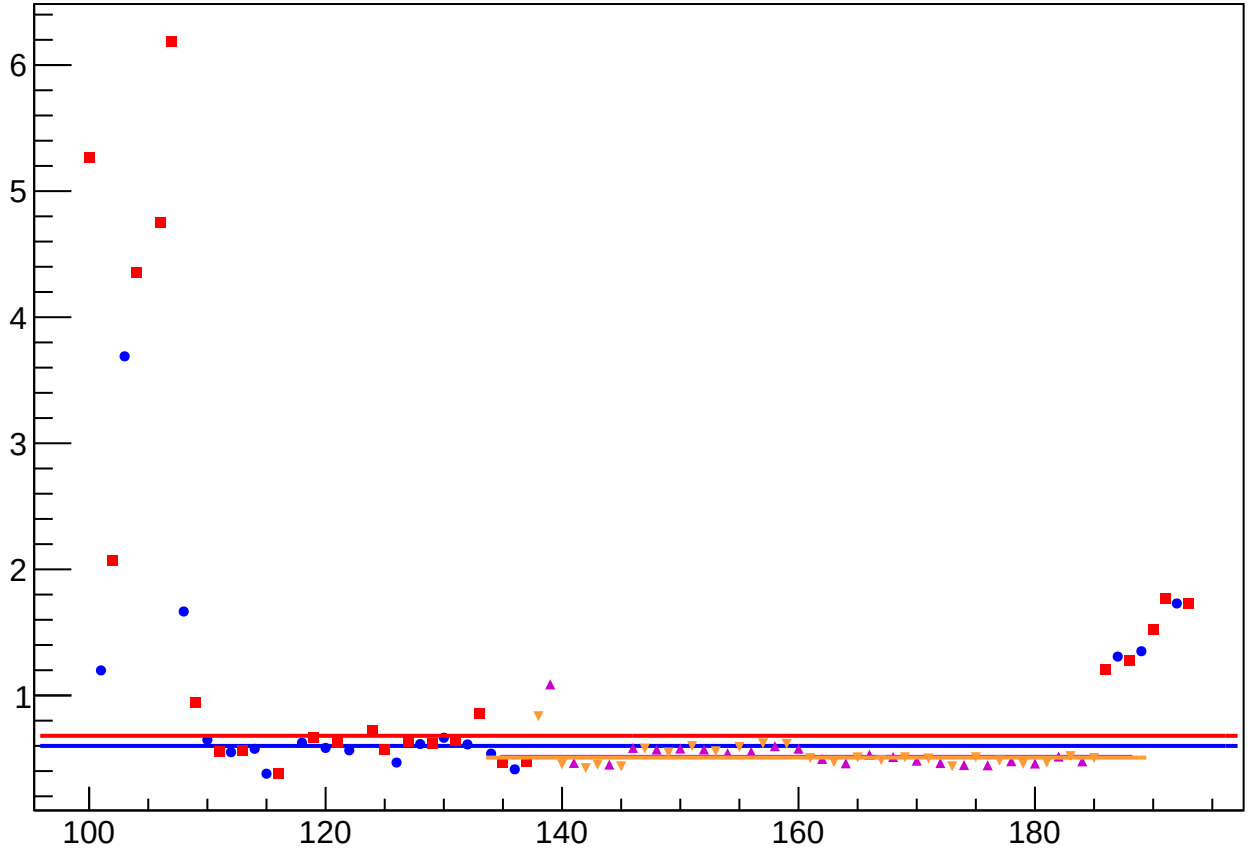
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.079+/-0.000 χ^2/NDF: 10114833942.1/43

All: 0.338+/-0.000 χ^2/NDF: 13845765605.2/9

- sign 0.622+/-0.000 χ^2/NDF: 3720030239.1/46

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: 0.680+/-0.000 χ^2/NDF: 4097431.5/23

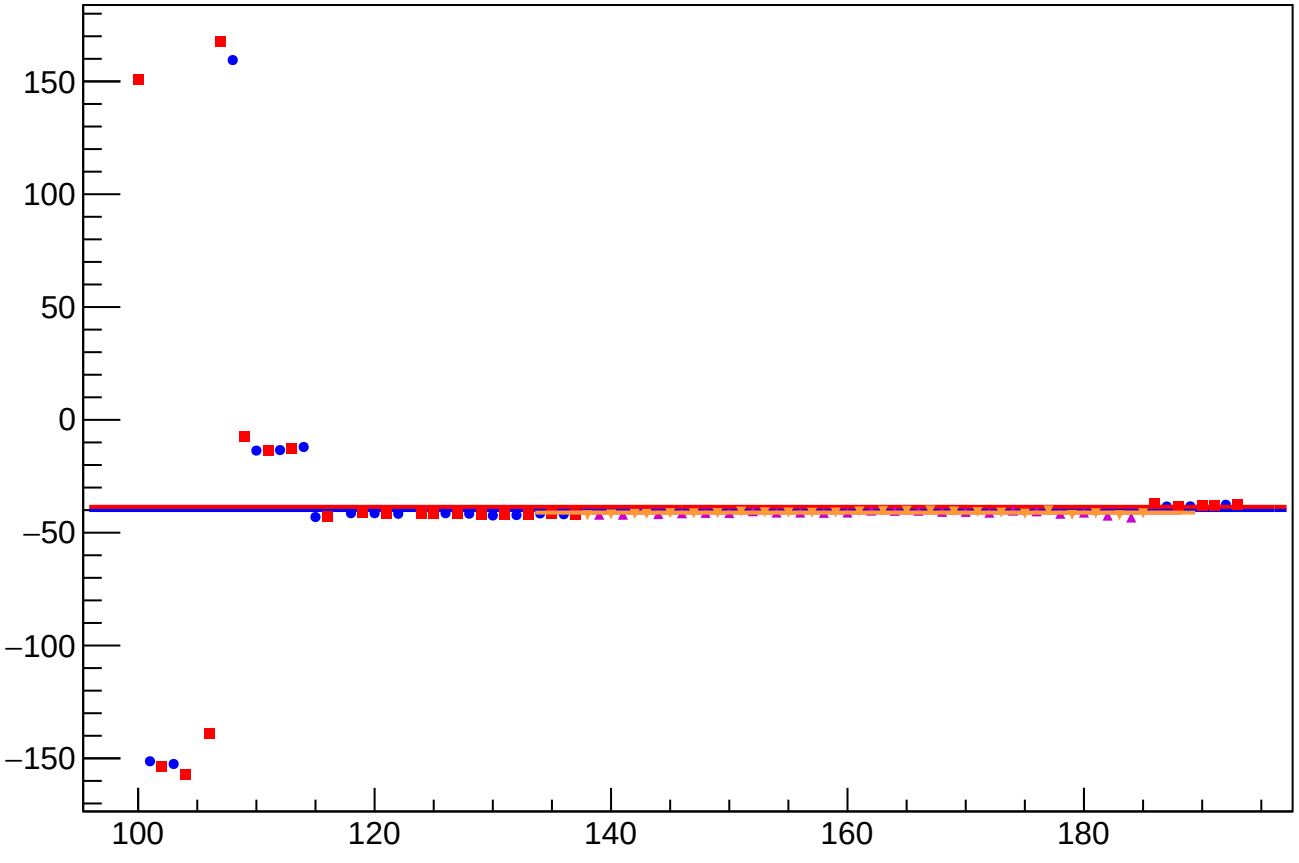
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.527+/-0.000 χ^2/NDF: 3663689.1/43

All: 0.537+/-0.000 χ^2/NDF: 9193325.6/90

- sign 0.547+/-0.000 χ^2/NDF: 5498891.0/46

yield_cav4cY_mean vs Slug



Right In: -39.955+/-0.000 χ^2/NDF: 3511506052.2/18

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.532+/-0.000 χ^2/NDF: 2495547321.0/23

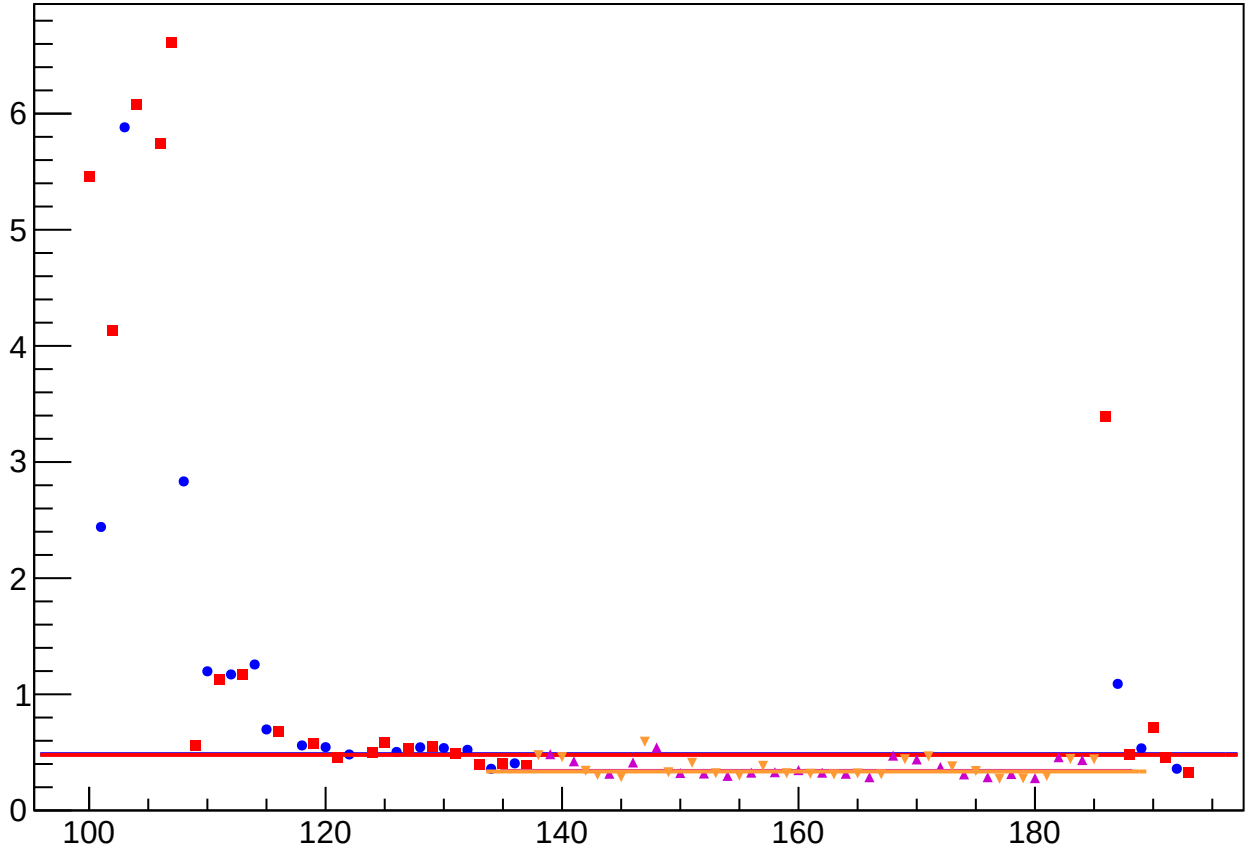
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.925+/-0.000 χ^2/NDF: 3601718933.0/43

All: -40.765+/-0.000 χ^2/NDF: 6315079696.5/

- sign -40.597+/-0.000 χ^2/NDF: 2703676089.4/46

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: 0.479+/-0.000 χ^2/NDF: 4287758.4/23

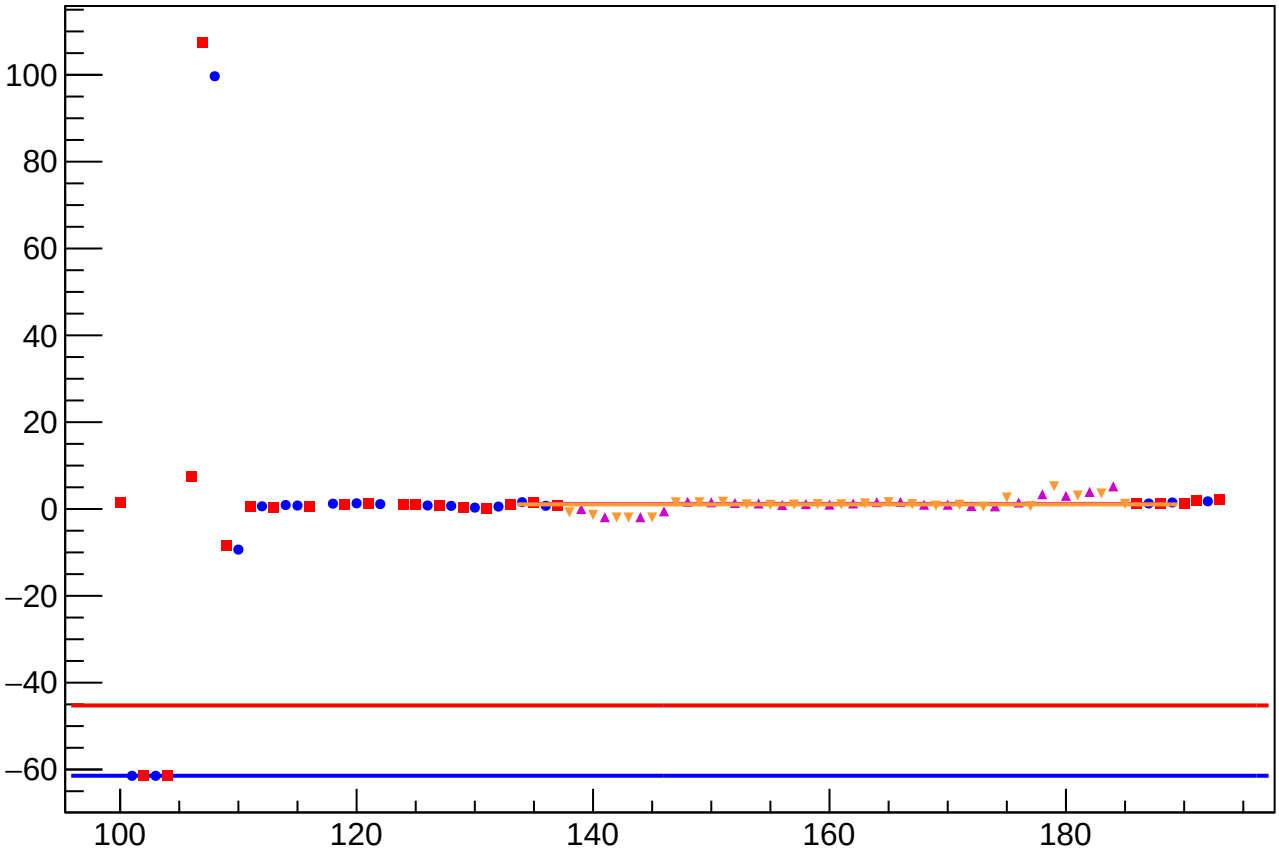
Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.358+/-0.000 χ^2/NDF: 5602542.2/43

All: 0.361+/-0.000 χ^2/NDF: 11925258.2/90

- sign 0.364+/-0.000 χ^2/NDF: 6314745.6/46

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: 357873989145695.8/23

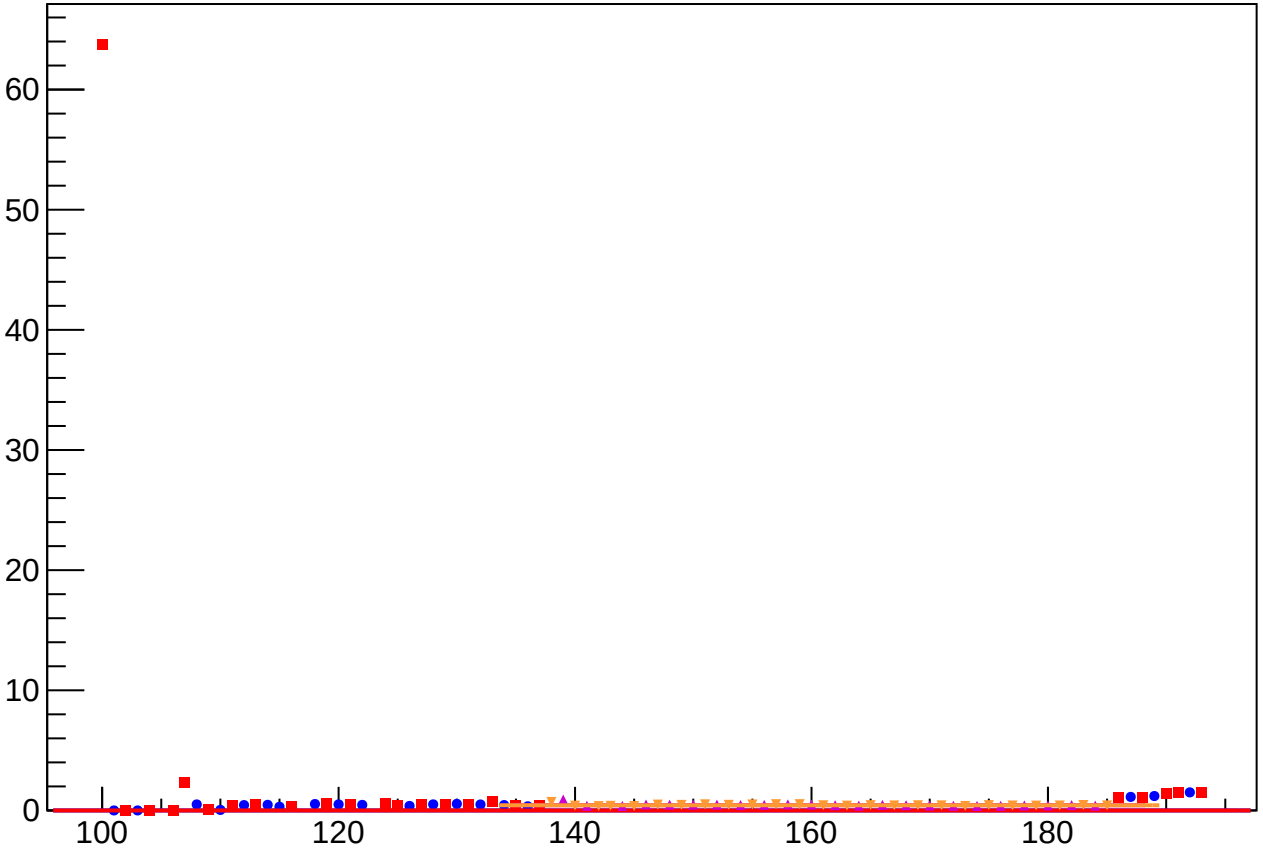
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 607112879719.4/4

All: -52.738+/-0.000 χ^2/NDF: 409598947365

- sign -45.236+/-0.000 χ^2/NDF: 358040554727313.

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: 14585071.7/23

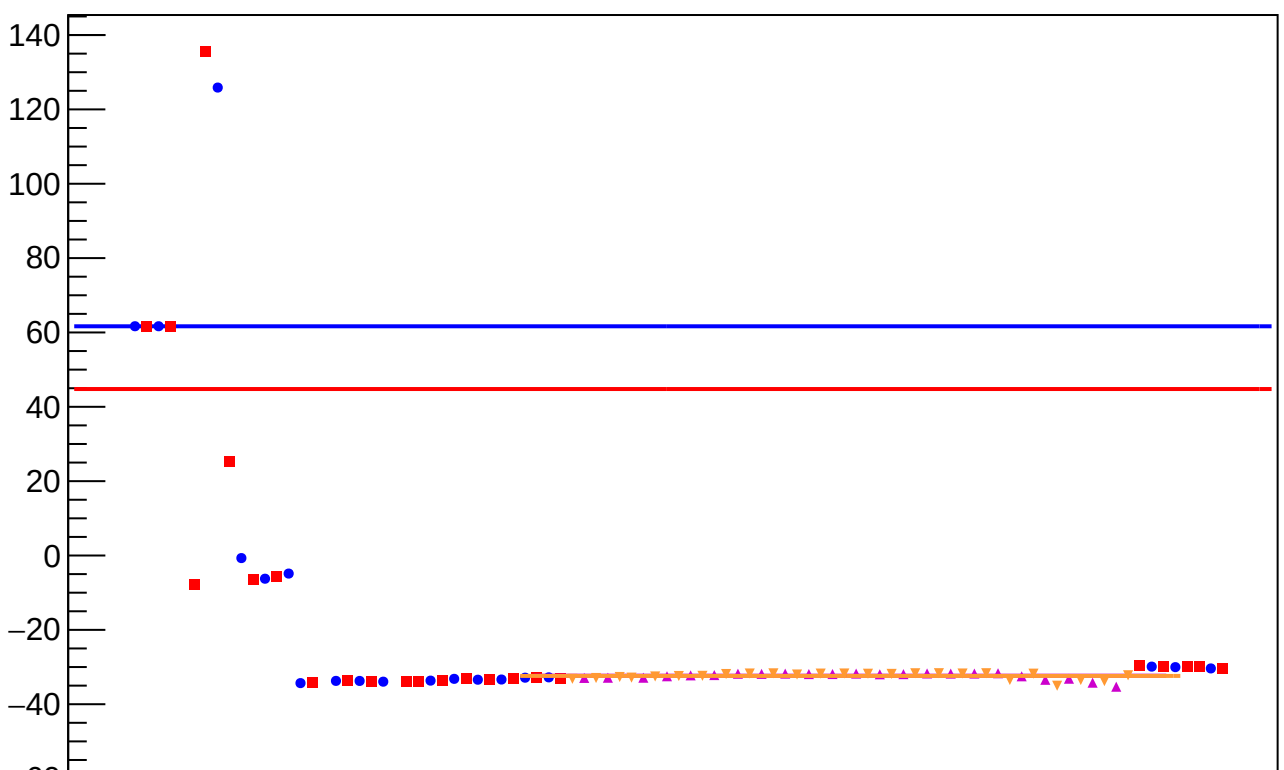
Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 44189714.0/43

All: 0.002+/-0.000 χ^2/NDF: 88917622.9/90

- sign 0.002+/-0.000 χ^2/NDF: 44727743.5/46

yield_cav4dY_mean vs Slug



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: 44.782+/-0.000 χ^2/NDF: 366189974519000.6/23

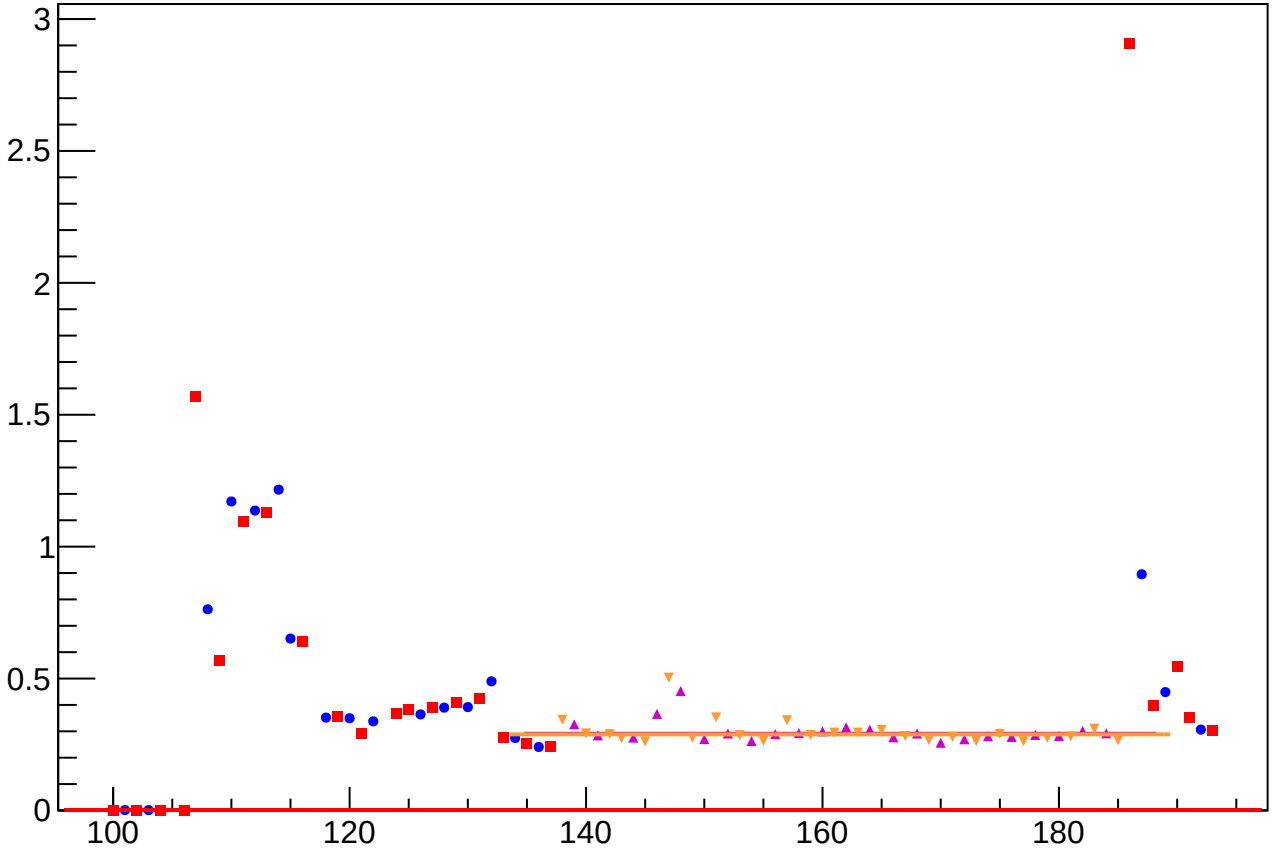
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.597+/-0.000 χ^2/NDF: 2434596473306.5/4

All: 52.635+/-0.000 χ^2/NDF: 420866153621

- sign 44.741+/-0.000 χ^2/NDF: 367417685213286.8

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: 15721919.4/23

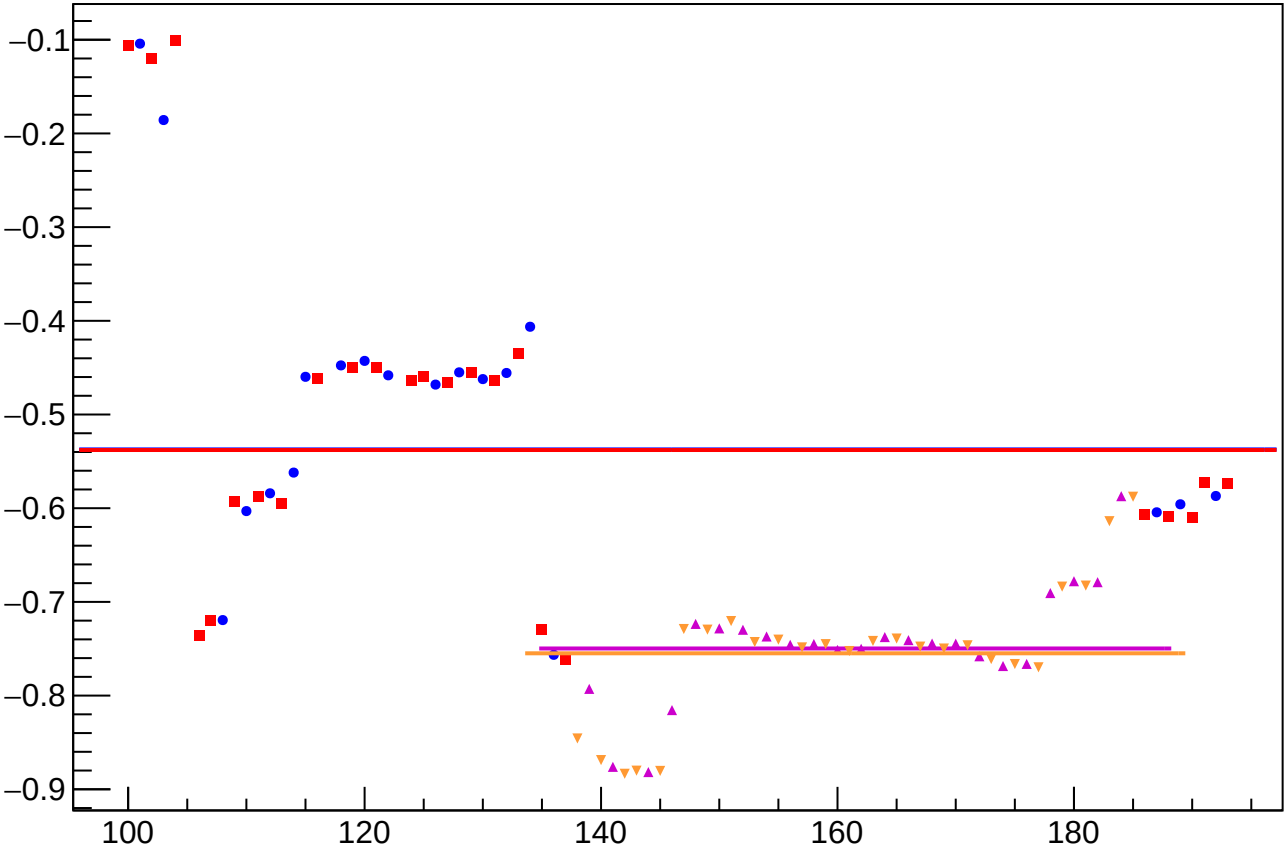
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 51173515.8/43

All: 0.002+/-0.000 χ^2/NDF: 101800033.9/90

- sign 0.002+/-0.000 χ^2/NDF: 50626479.6/46

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: -0.538+/-0.000 χ^2/NDF: 218080329.0/23

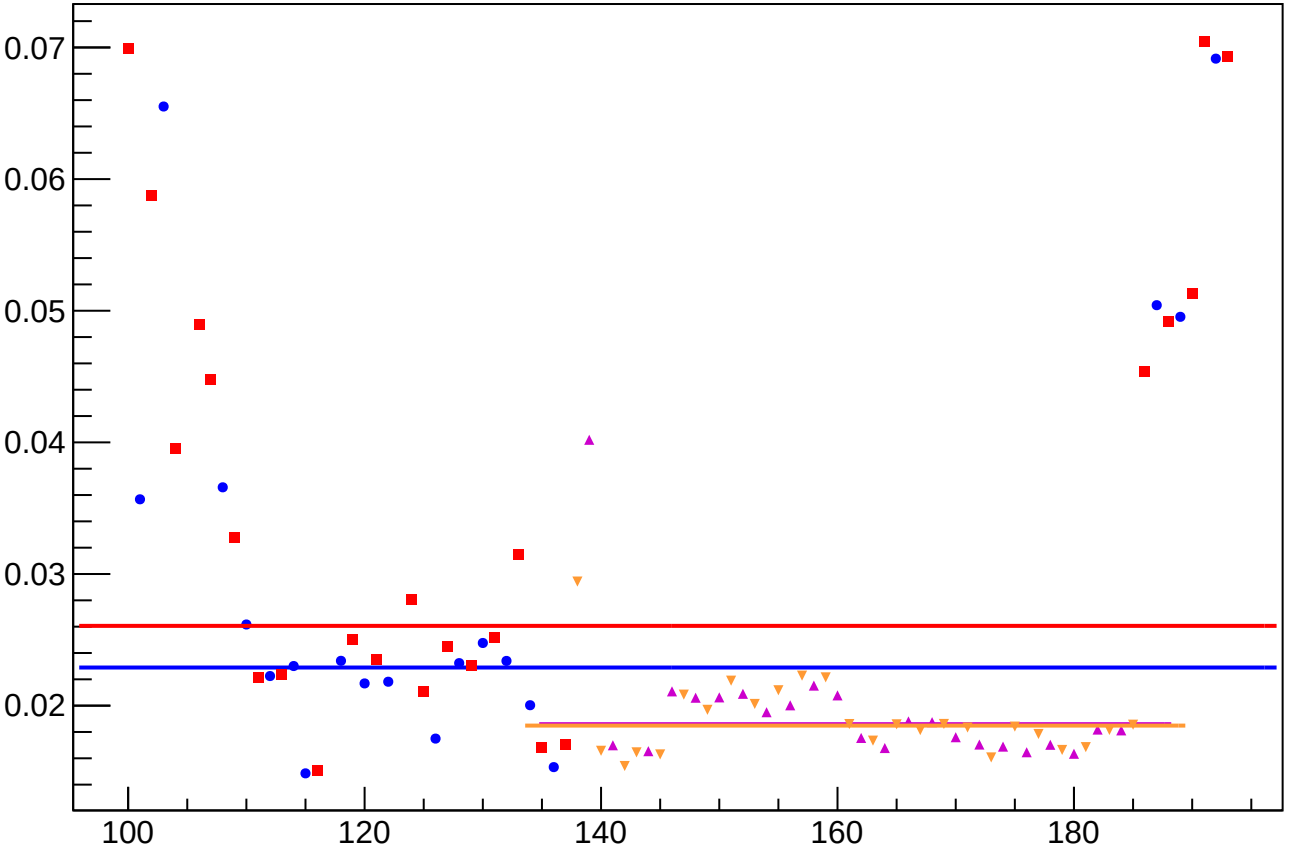
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.709+/-0.000 χ^2/NDF: 968038129.0/43

All: -0.708+/-0.000 χ^2/NDF: 1715914194.0/9

- sign -0.707+/-0.000 χ^2/NDF: 747653993.8/46

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: 0.026+/-0.000 χ^2/NDF: 2878410.4/23

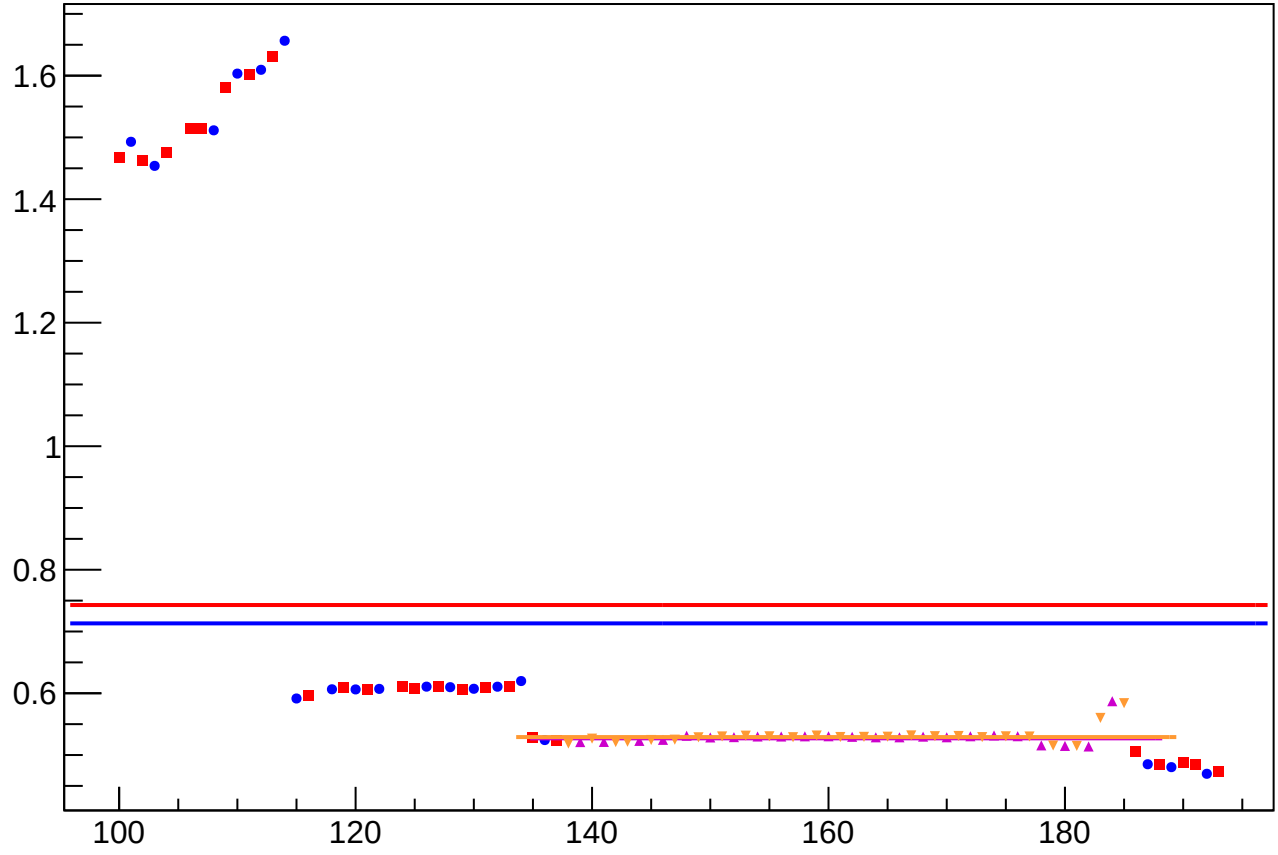
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 3318428.8/43

All: 0.020+/-0.000 χ^2/NDF: 7929819.6/90

- sign 0.020+/-0.000 χ^2/NDF: 4583483.9/46

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: 0.743+/-0.000 χ^2/NDF: 5427813674.1/23

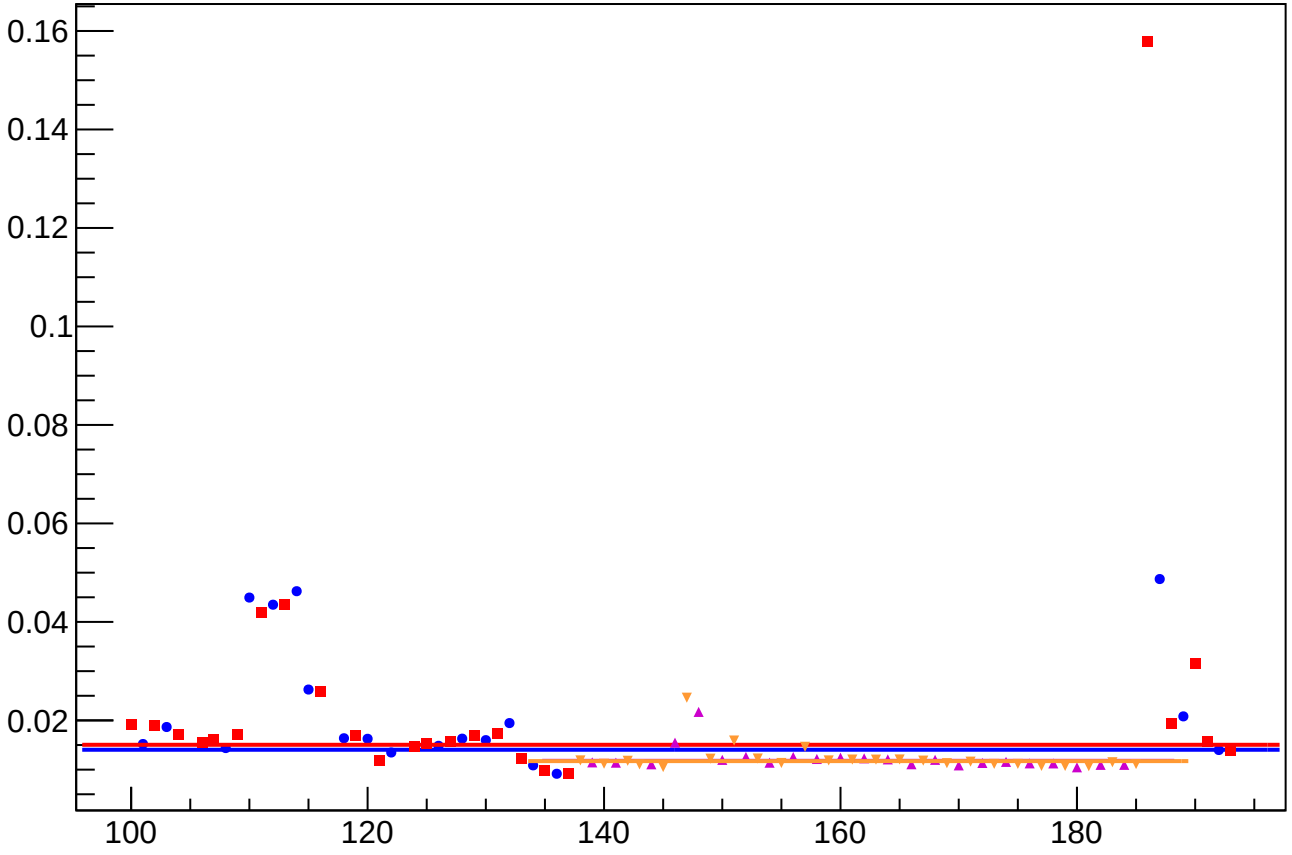
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.569+/-0.000 χ^2/NDF: 5726105577.4/43

All: 0.572+/-0.000 χ^2/NDF: 12501768266.9/9

- sign 0.576+/-0.000 χ^2/NDF: 6772002055.3/46

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: 2363179.5/23

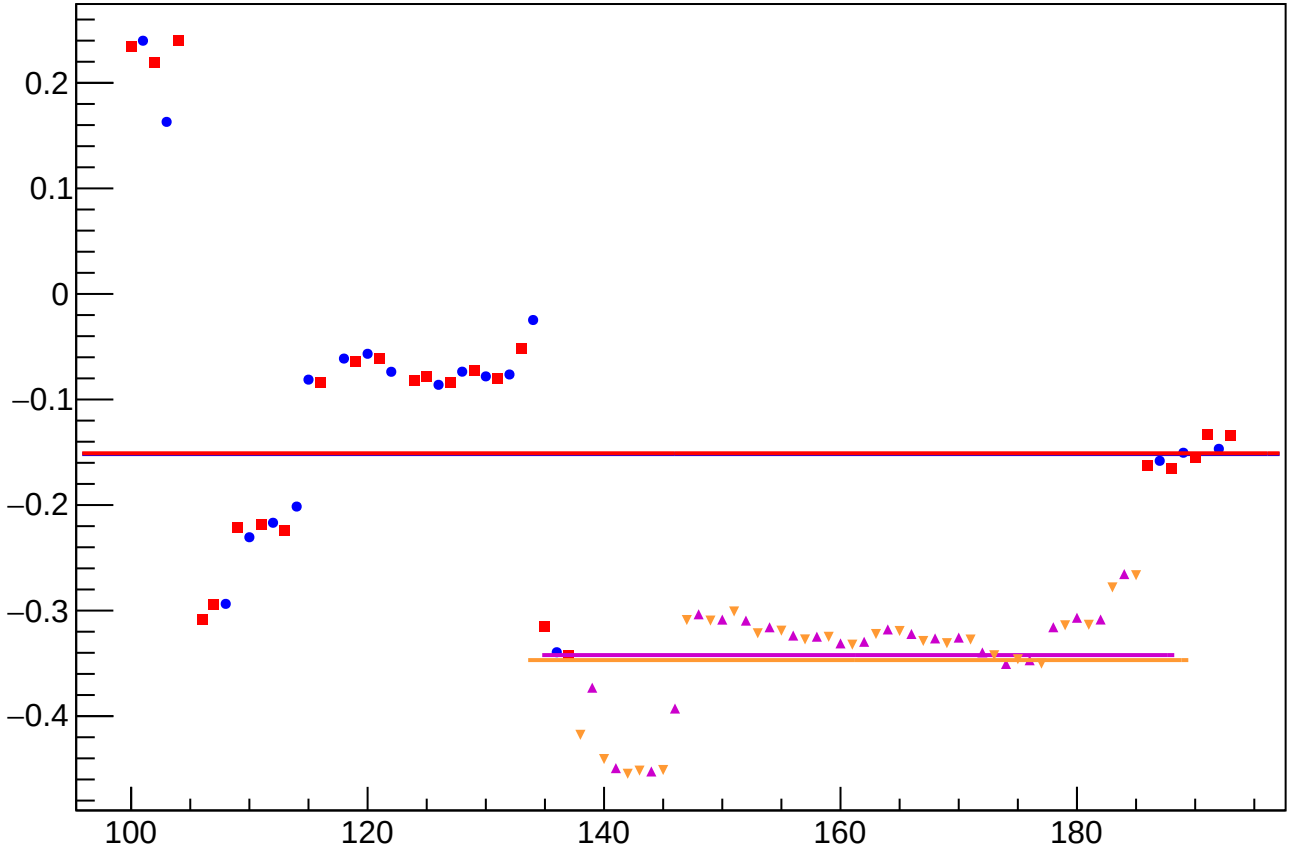
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 2943299.7/43

All: 0.012+/-0.000 χ^2/NDF: 6446485.5/90

- sign 0.013+/-0.000 χ^2/NDF: 3489068.6/46

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: 199574555.7/23

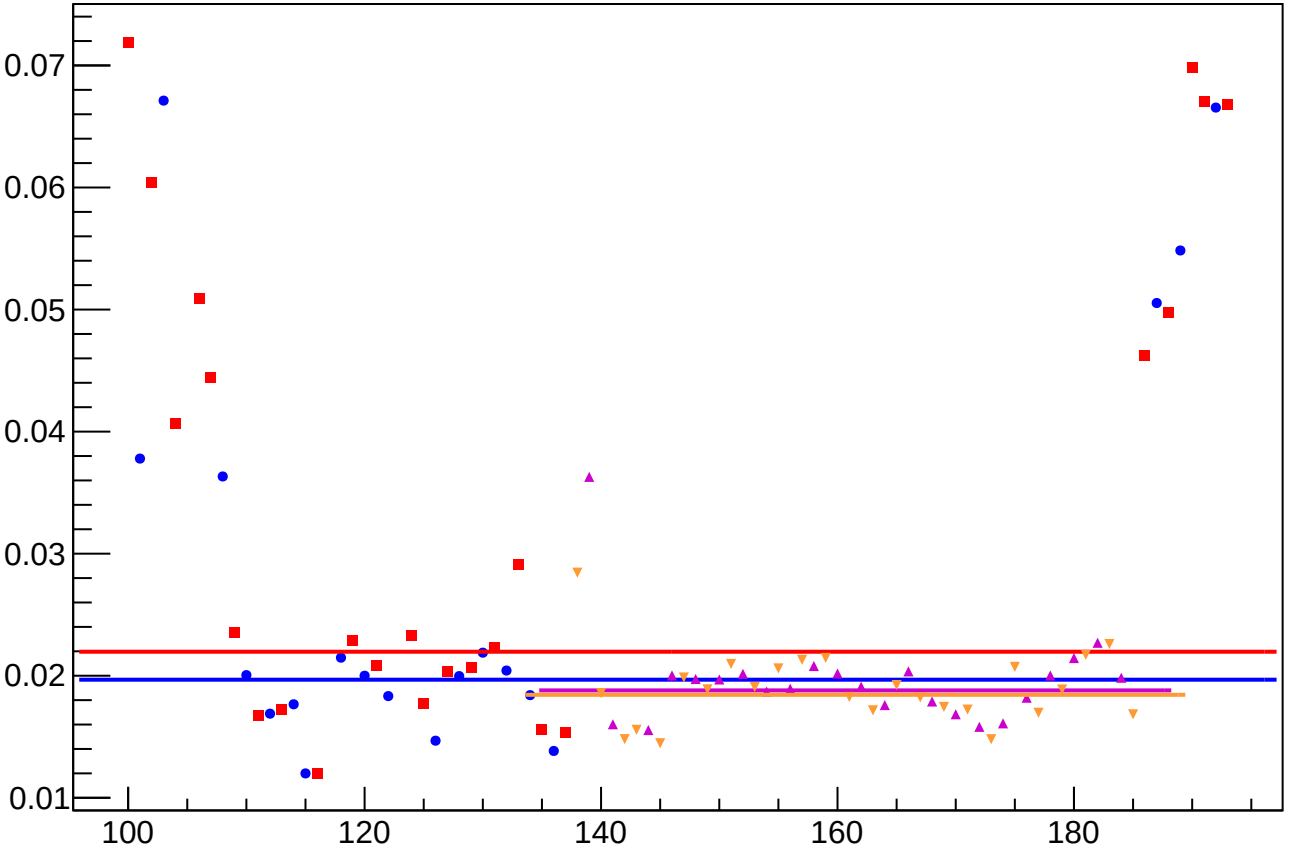
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.297+/-0.000 χ^2/NDF: 853671248.0/43

All: -0.296+/-0.000 χ^2/NDF: 1538063878.0/9

- sign -0.293+/-0.000 χ^2/NDF: 683913652.0/46

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: 0.022+/-0.000 χ^2/NDF: 3656918.4/23

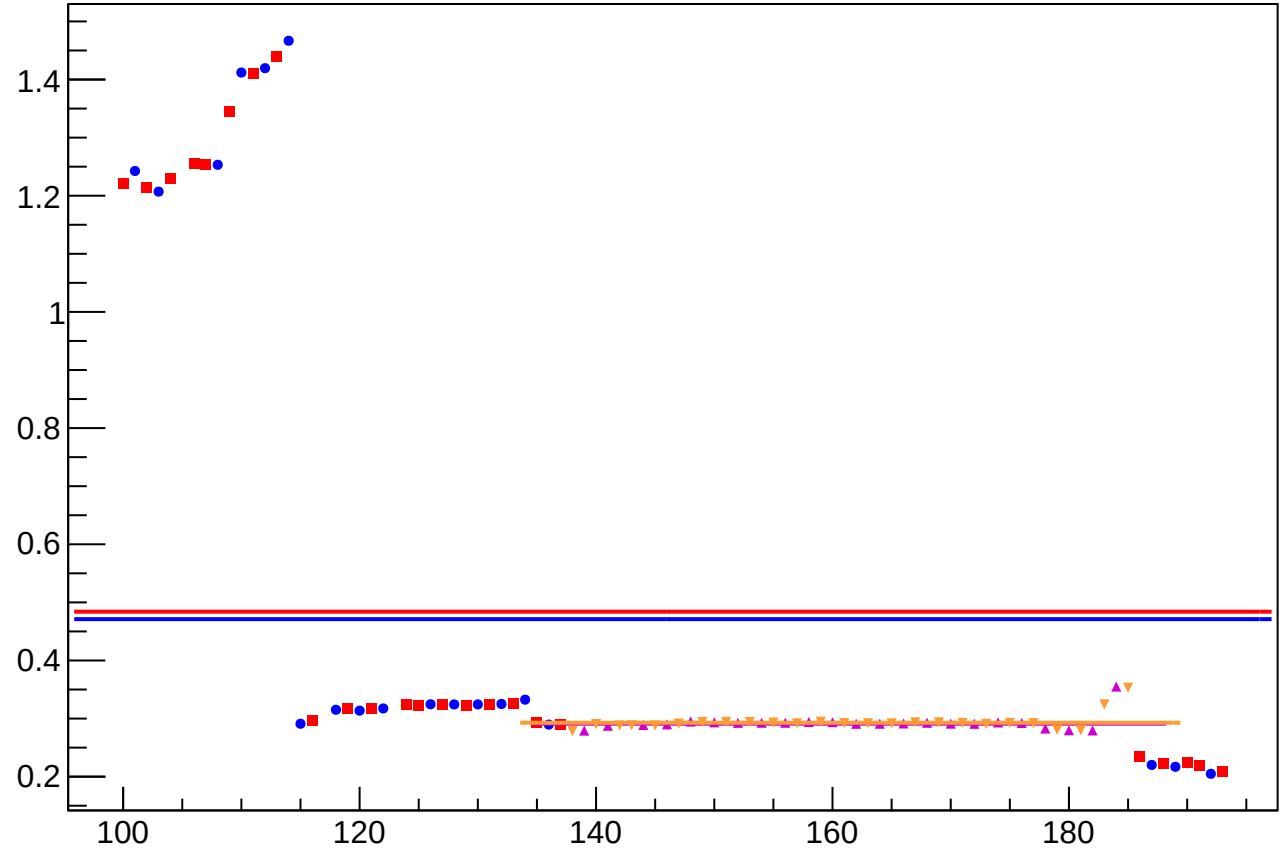
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

\+ sign 0.019+/-0.000 χ^2/NDF: 3587647.7/43

All: 0.019+/-0.000 χ^2/NDF: 8224494.5/90

\- sign 0.020+/-0.000 χ^2/NDF: 4593117.5/46

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: 0.484+/-0.000 χ^2/NDF: 7722274001.0/23

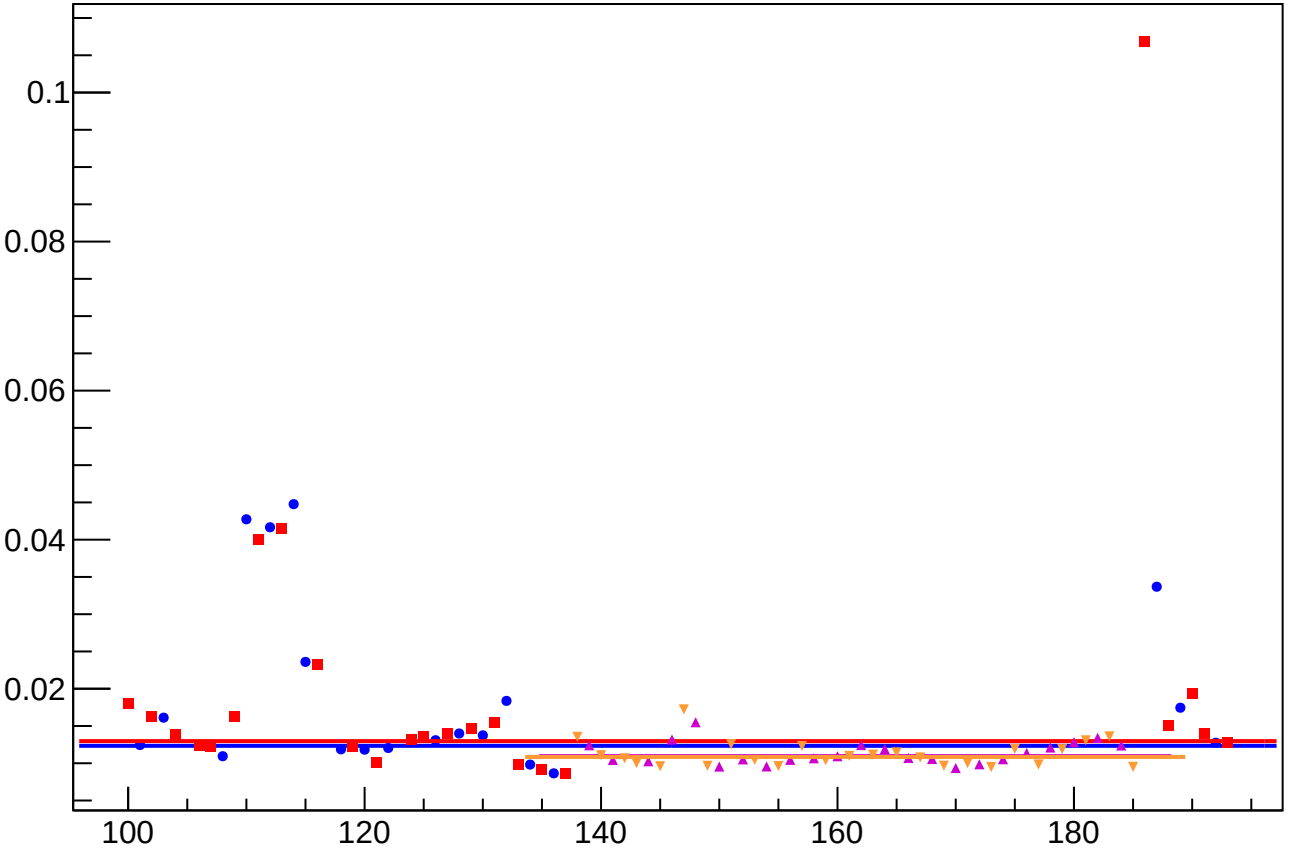
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.336+/-0.000 χ^2/NDF: 8144700071.1/43

All: 0.338+/-0.000 χ^2/NDF: 17255642269.8/9

- sign 0.340+/-0.000 χ^2/NDF: 9108462157.8/46

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: 2148469.9/23

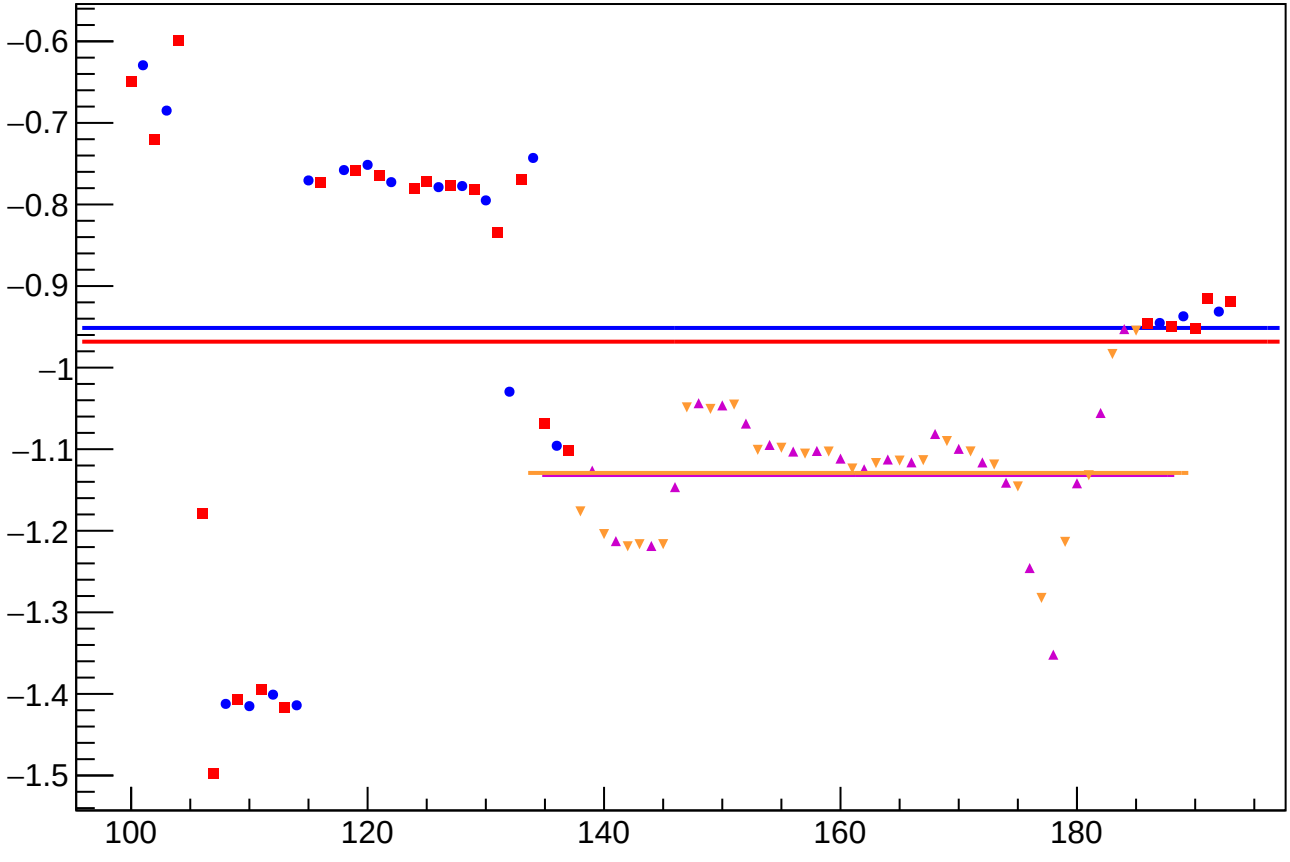
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2553552.6/43

All: 0.011+/-0.000 χ^2/NDF: 5529347.1/90

- sign 0.011+/-0.000 χ^2/NDF: 2961311.2/46

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: -0.968+/-0.000 χ^2/NDF: 715397794.1/23

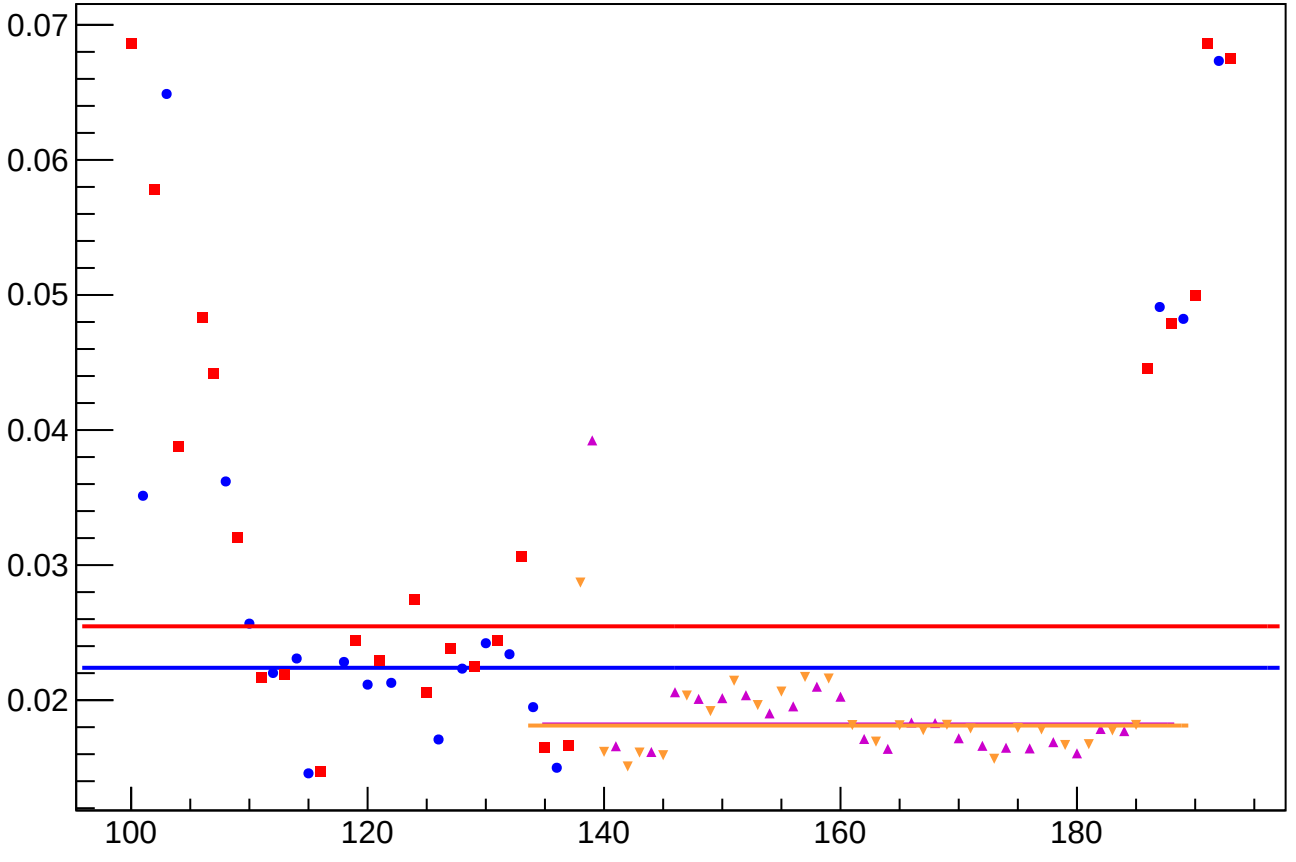
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.092+/-0.000 χ^2/NDF: 1253134459.3/43

All: -1.095+/-0.000 χ^2/NDF: 2471687286.3/9

- sign -1.098+/-0.000 χ^2/NDF: 1217328167.1/46

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: 2876599.5/23

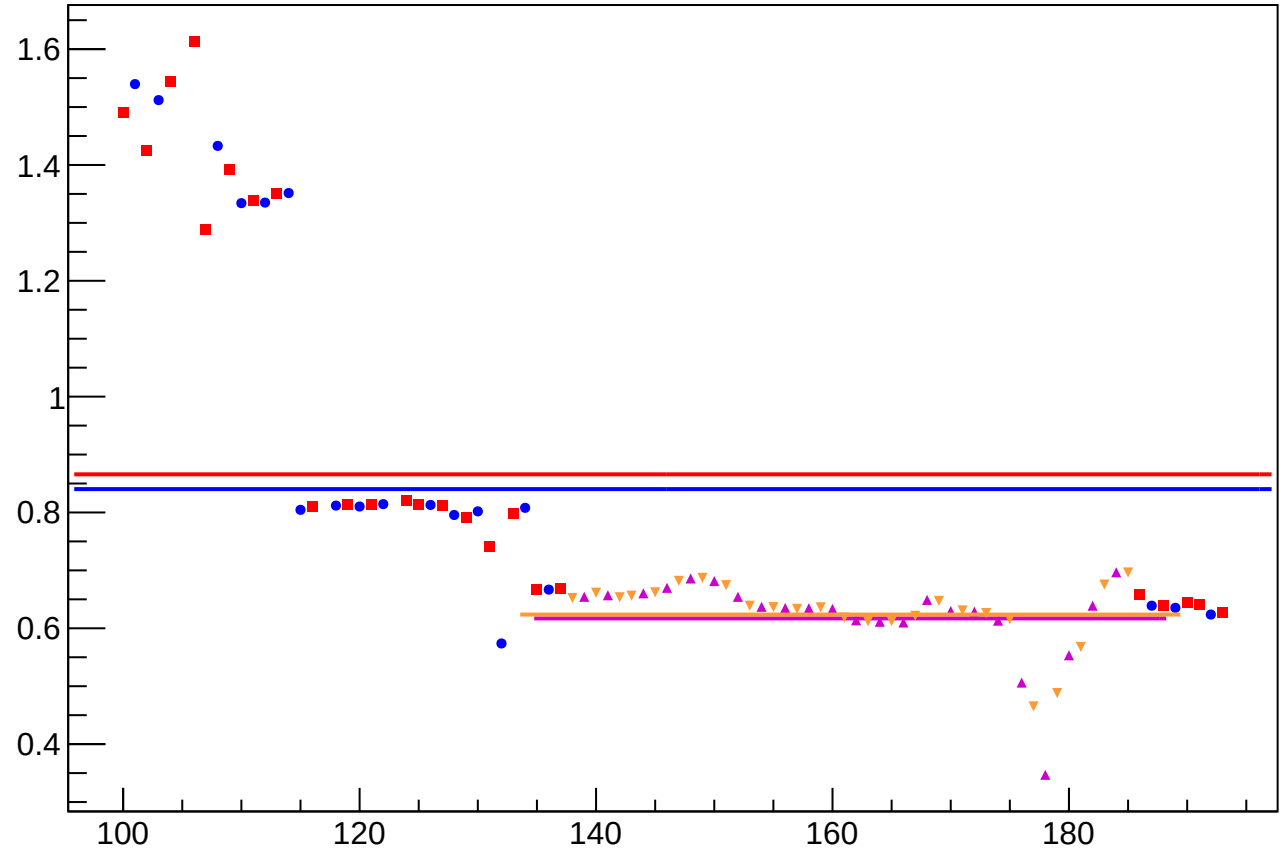
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 3299740.2/43

All: 0.019+/-0.000 χ^2/NDF: 7881617.0/90

- sign 0.020+/-0.000 χ^2/NDF: 4556211.7/46

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: 0.866+/-0.000 χ^2/NDF: 3283944616.0/23

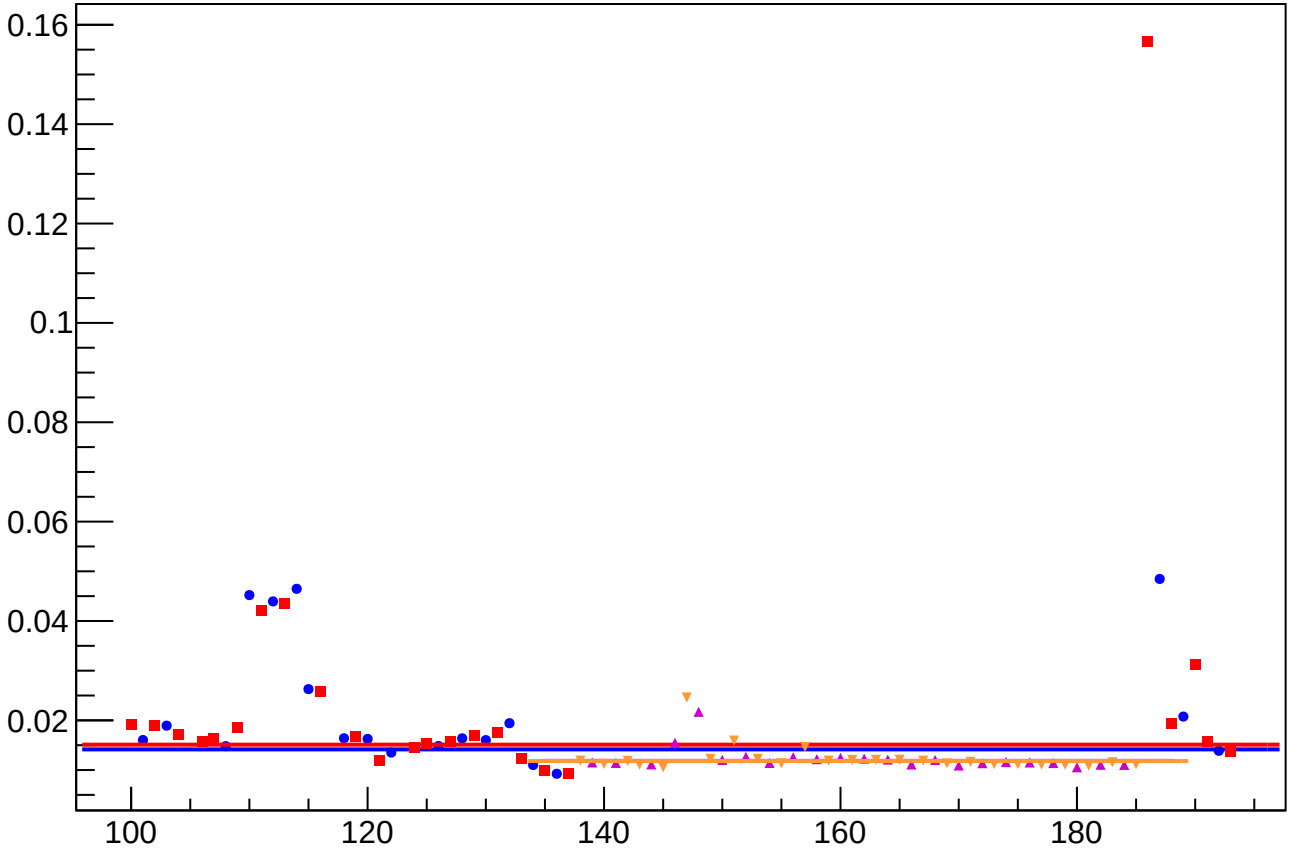
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.671+/-0.000 χ^2/NDF: 4866915856.7/43

All: 0.672+/-0.000 χ^2/NDF: 10545563528.6/9

- sign 0.673+/-0.000 χ^2/NDF: 5678135992.3/46

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: 2365425.5/23

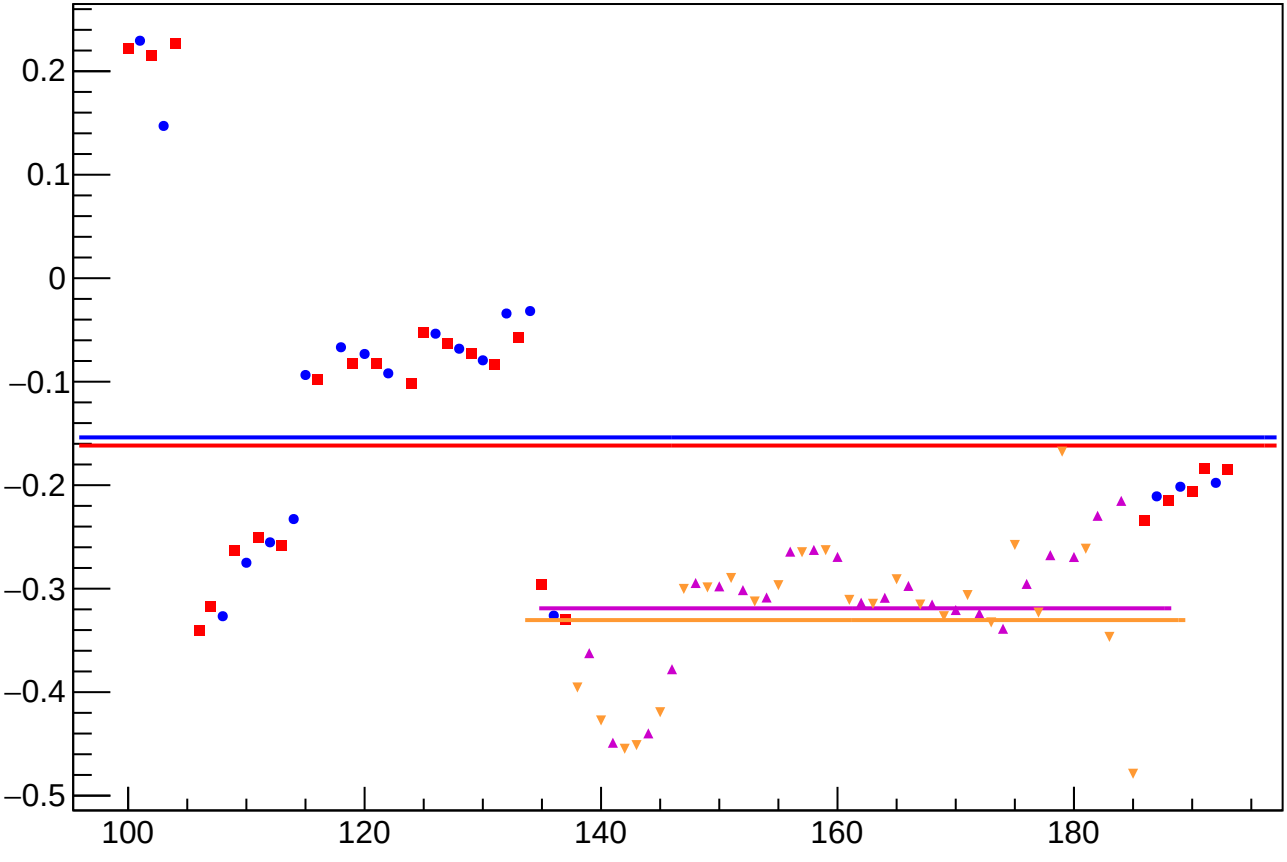
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 2913411.6/43

All: 0.012+/-0.000 χ^2/NDF: 6401394.0/90

- sign 0.013+/-0.000 χ^2/NDF: 3476324.9/46

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: -0.162+/-0.000 χ^2/NDF: 197902040.3/23

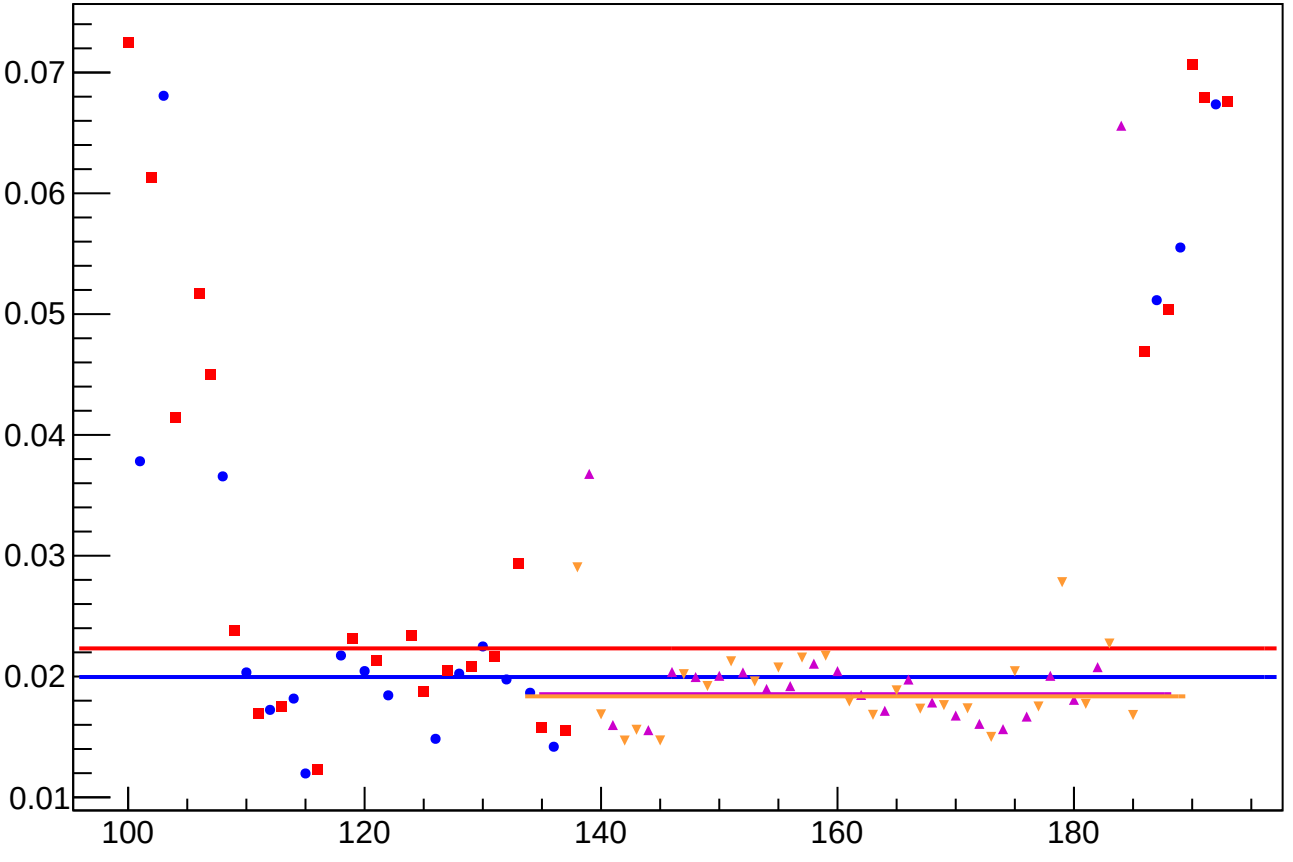
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.286+/-0.000 χ^2/NDF: 817550289.2/43

All: -0.283+/-0.000 χ^2/NDF: 1408610370.0/9

- sign -0.280+/-0.000 χ^2/NDF: 590002192.5/46

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: 3629543.0/23

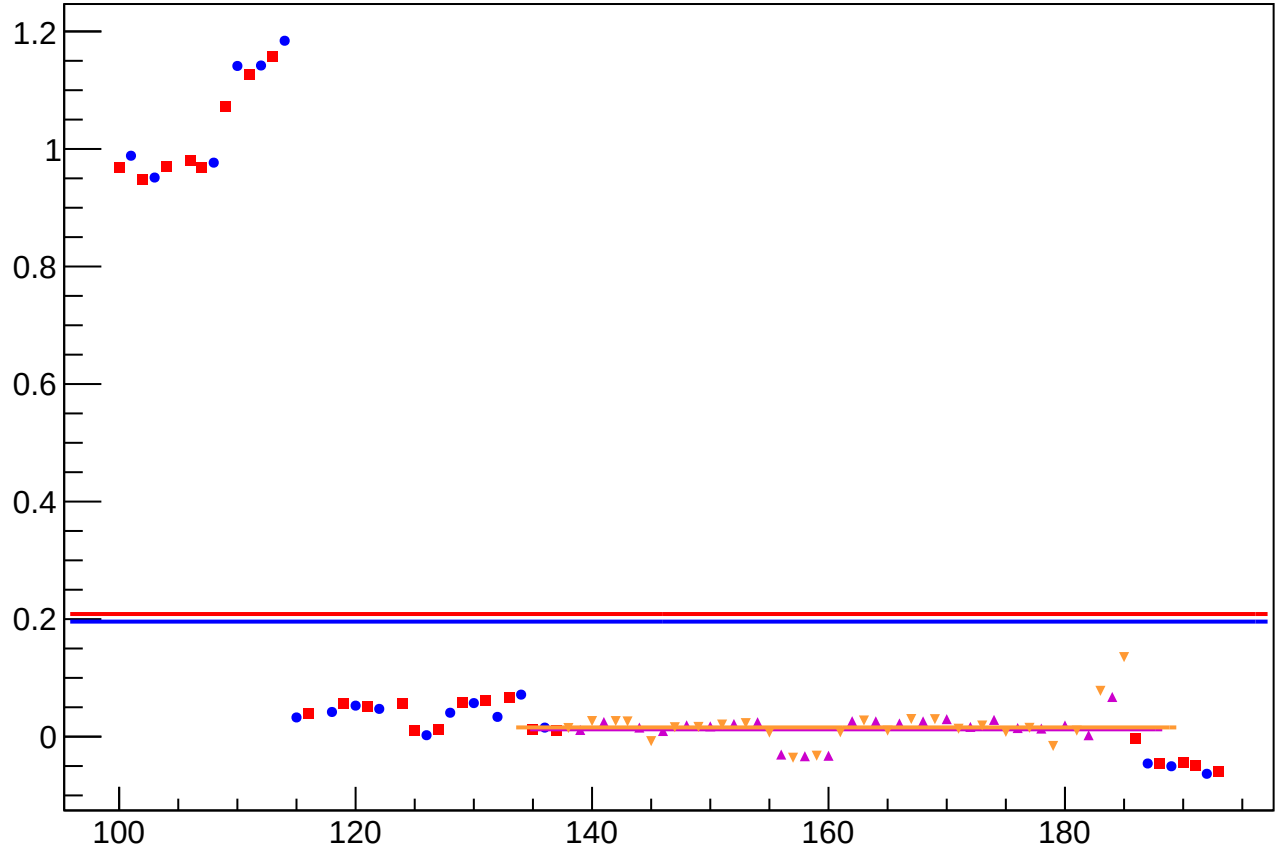
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 3681895.6/43

All: 0.019+/-0.000 χ^2/NDF: 8579593.0/90

- sign 0.019+/-0.000 χ^2/NDF: 4867308.1/46

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: 0.209+/-0.000 χ^2/NDF: 7696584138.6/23

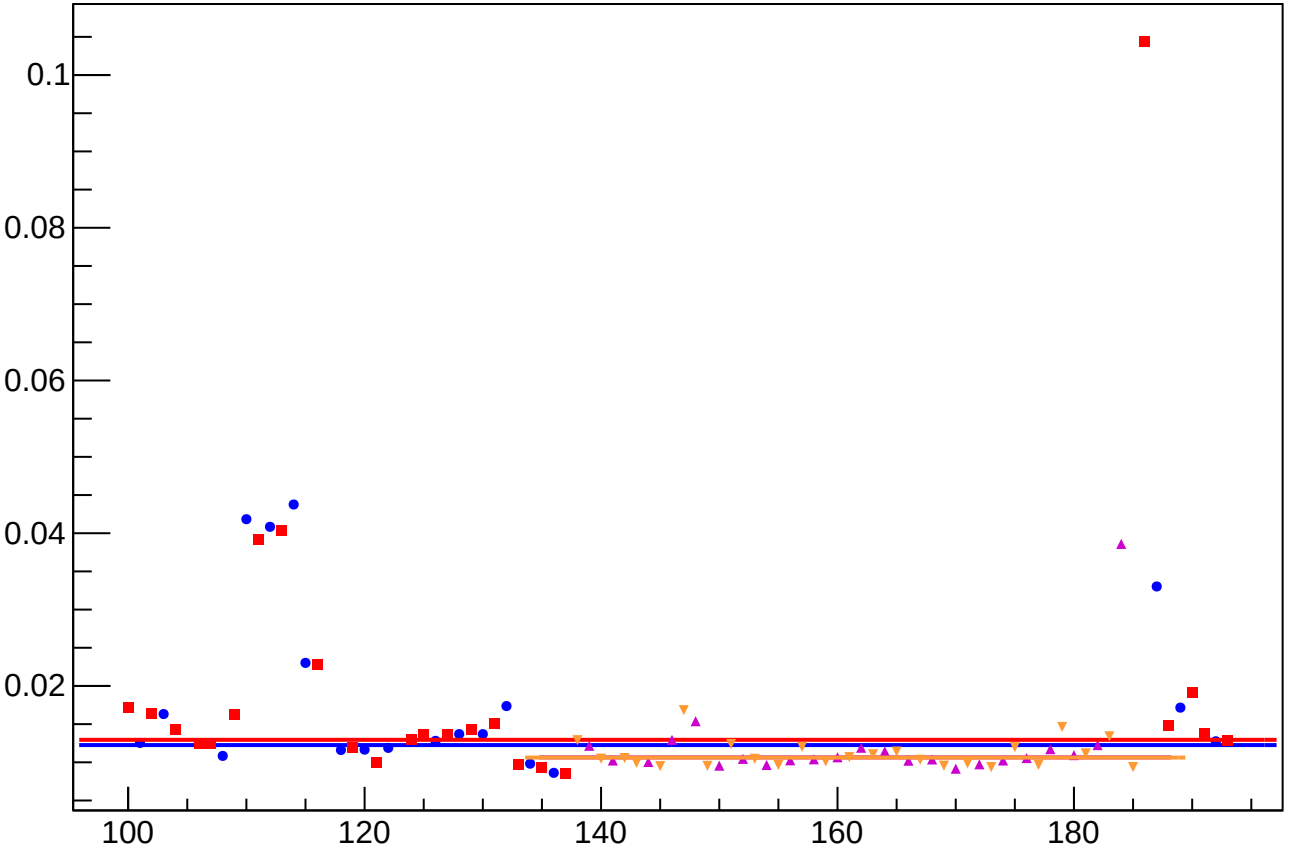
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.059+/-0.000 χ^2/NDF: 8430707710.4/43

All: 0.060+/-0.000 χ^2/NDF: 17631119316.9/9

- sign 0.062+/-0.000 χ^2/NDF: 9199664669.8/46

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

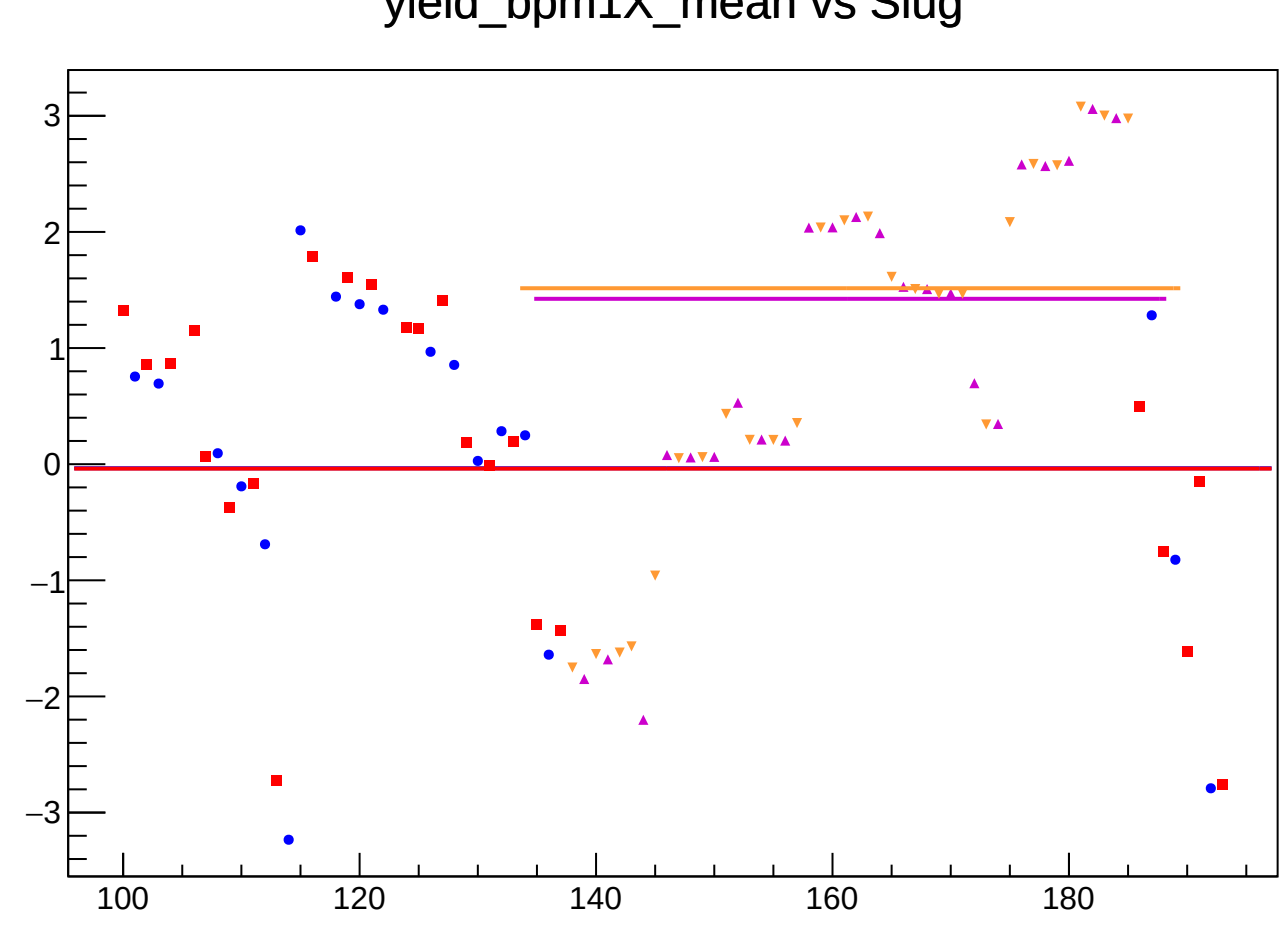
Right Out: 0.013+/-0.000 χ^2/NDF: 2092962.4/23

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: 5591547.7/90

- sign 0.011+/-0.000 χ^2/NDF: 3063264.1/46



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: -0.038+/-0.000 χ^2/NDF: 3999490112.3/23

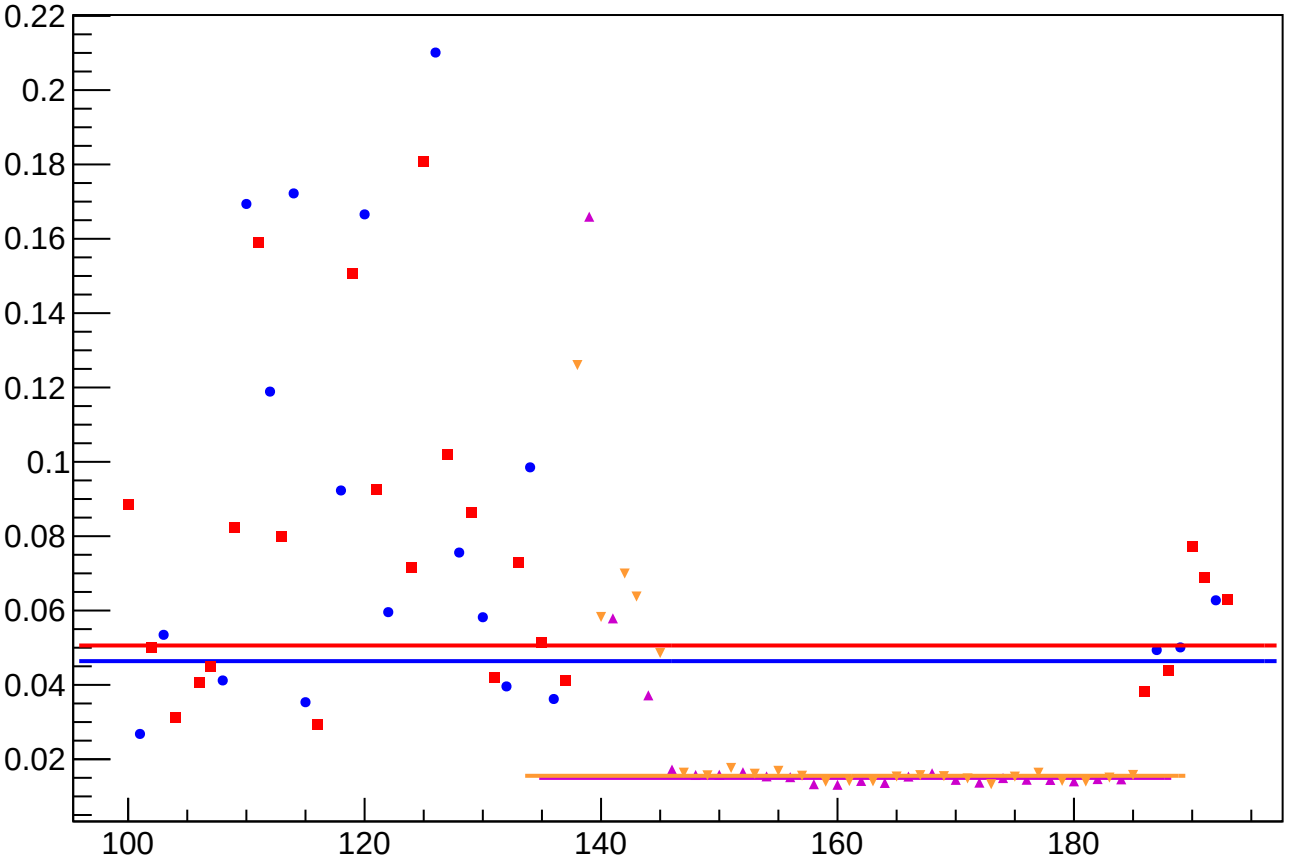
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.454+/-0.000 χ^2/NDF: 77473771460.1/43

All: 1.409+/-0.000 χ^2/NDF: 155196608074.6

- sign 1.364+/-0.000 χ^2/NDF: 77463987002.6/46

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

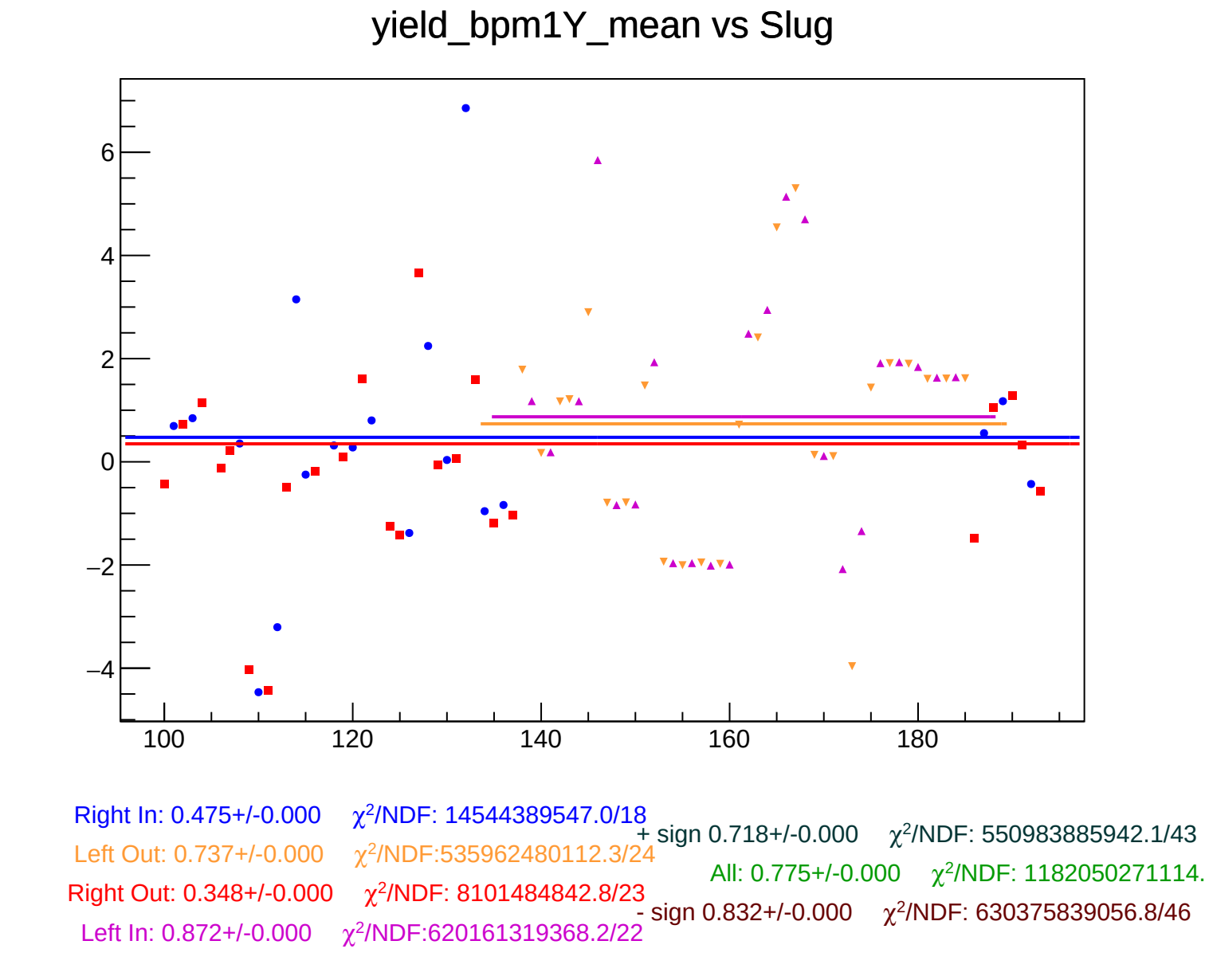
Right Out: 0.051+/-0.000 χ^2/NDF: 2654605.2/23

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

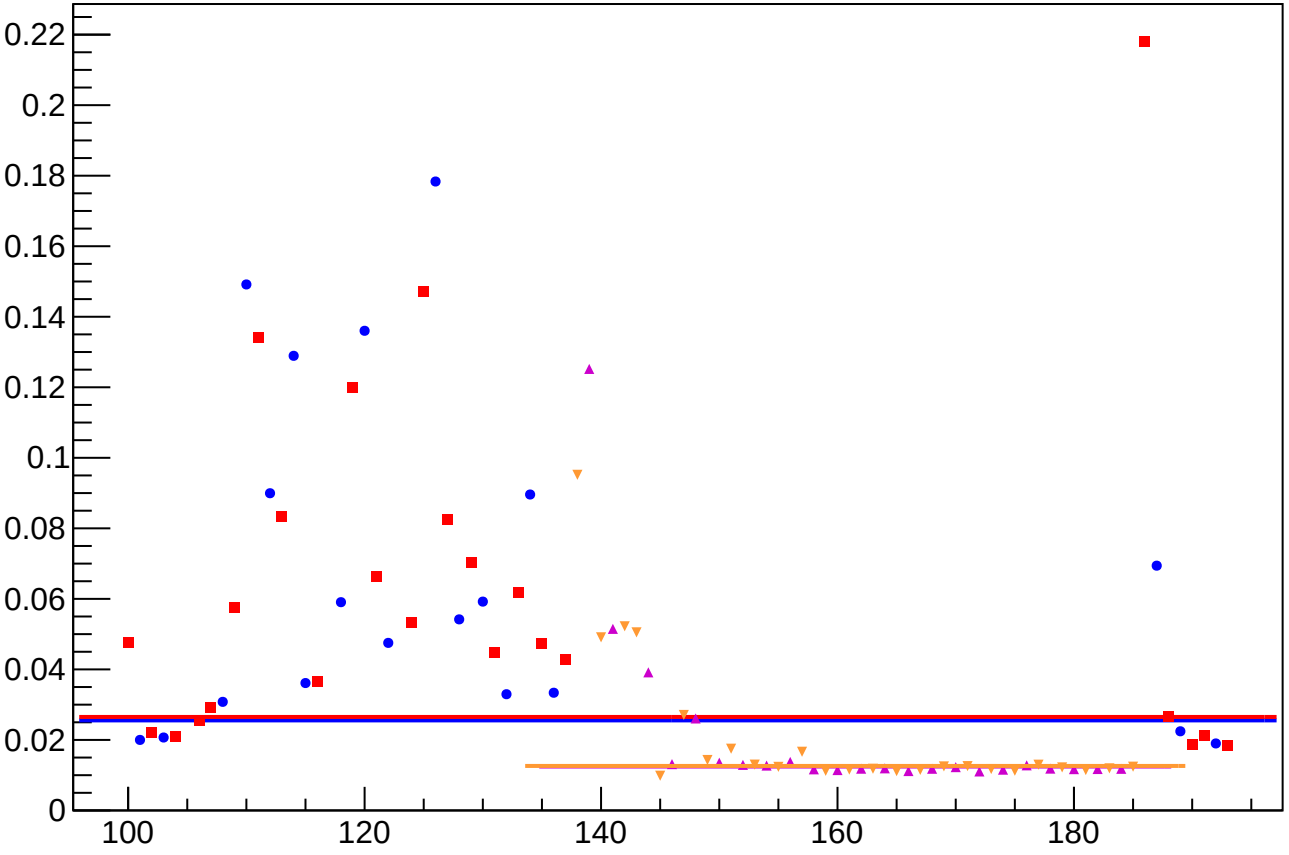
+ sign 0.017+/-0.000 χ^2/NDF: 10446968.7/43

All: 0.017+/-0.000 χ^2/NDF: 21723291.6/90

- sign 0.016+/-0.000 χ^2/NDF: 11269581.3/46


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
120
140
160
180
Right In: 0.475+/-0.000 χ²/NDF: 14544389547.0/18
Left Out: 0.737+/-0.000 χ²/NDF:535962480112.3/24
Right Out: 0.348+/-0.000 χ²/NDF: 8101484842.8/23
Left In: 0.872+/-0.000 χ²/NDF:620161319368.2/22
+ sign 0.718+/-0.000 χ²/NDF: 550983885942.1/43
All: 0.775+/-0.000 χ²/NDF: 1182050271114.
- sign 0.832+/-0.000 χ²/NDF: 630375839056.8/46

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: 0.027+/-0.000 χ^2/NDF: 4562705.4/23

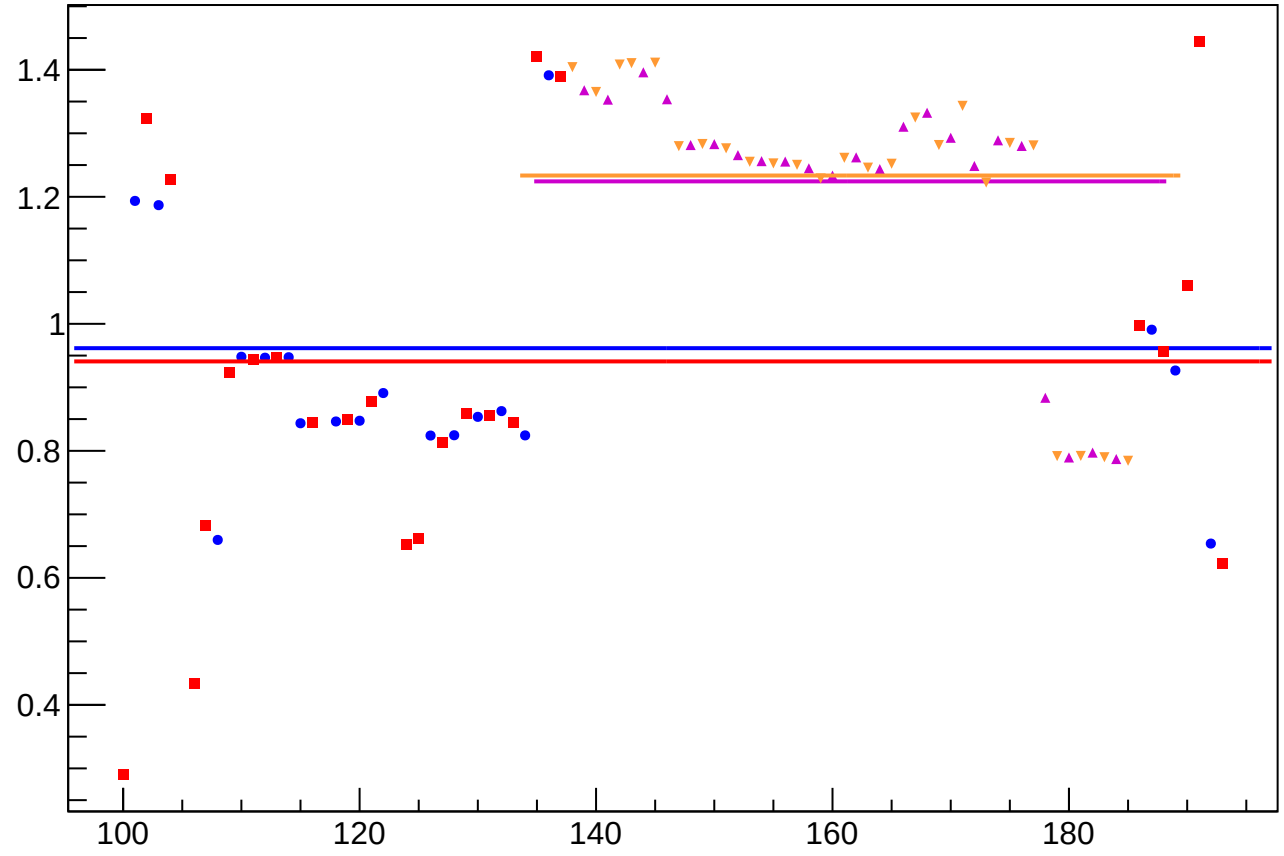
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 9198098.1/43

All: 0.014+/-0.000 χ^2/NDF: 19559076.7/90

- sign 0.014+/-0.000 χ^2/NDF: 10360940.9/46

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: 0.941+/-0.000 χ^2/NDF: 1848752871.7/23

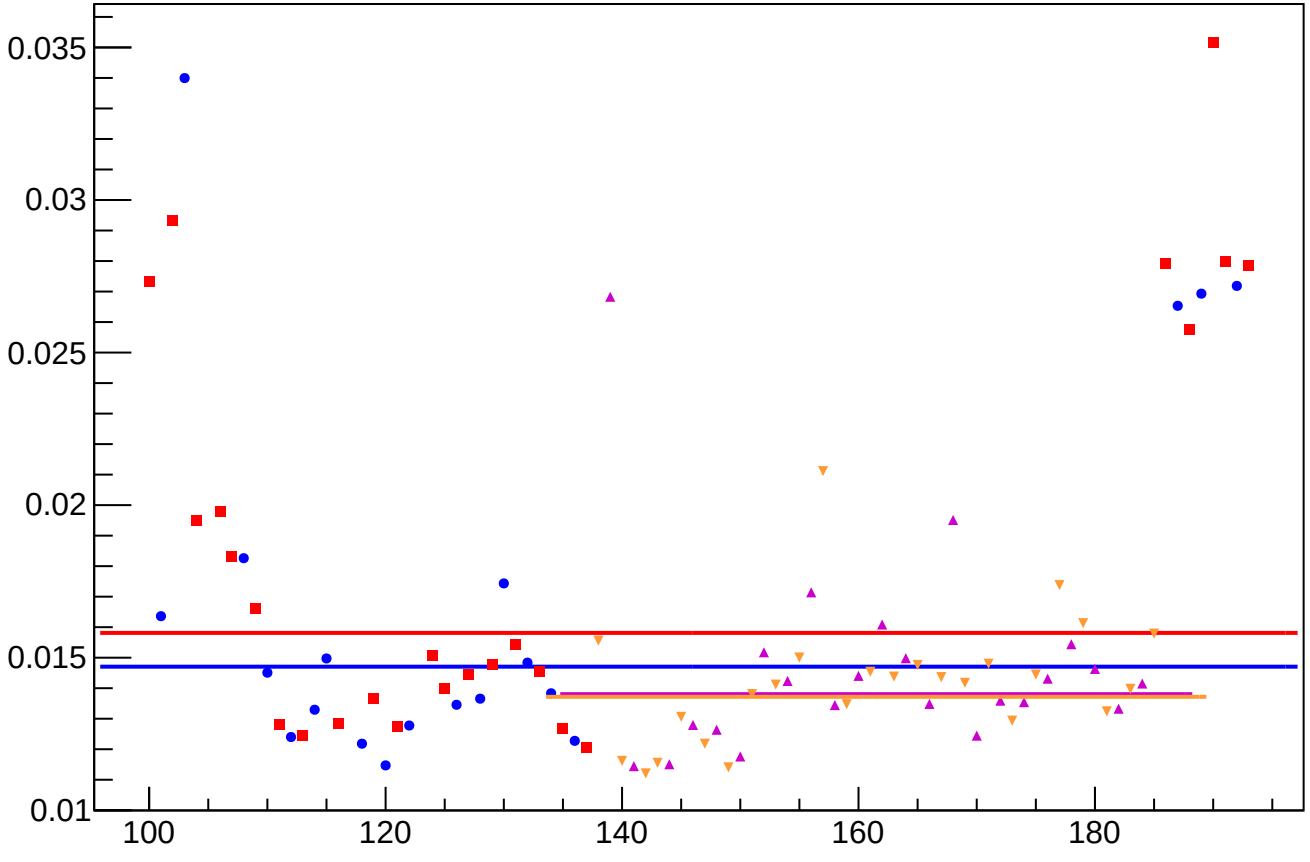
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.158+/-0.000 χ^2/NDF: 6478680462.5/43

All: 1.151+/-0.000 χ^2/NDF: 12945348742.1/9

- sign 1.144+/-0.000 χ^2/NDF: 6453656451.3/46

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

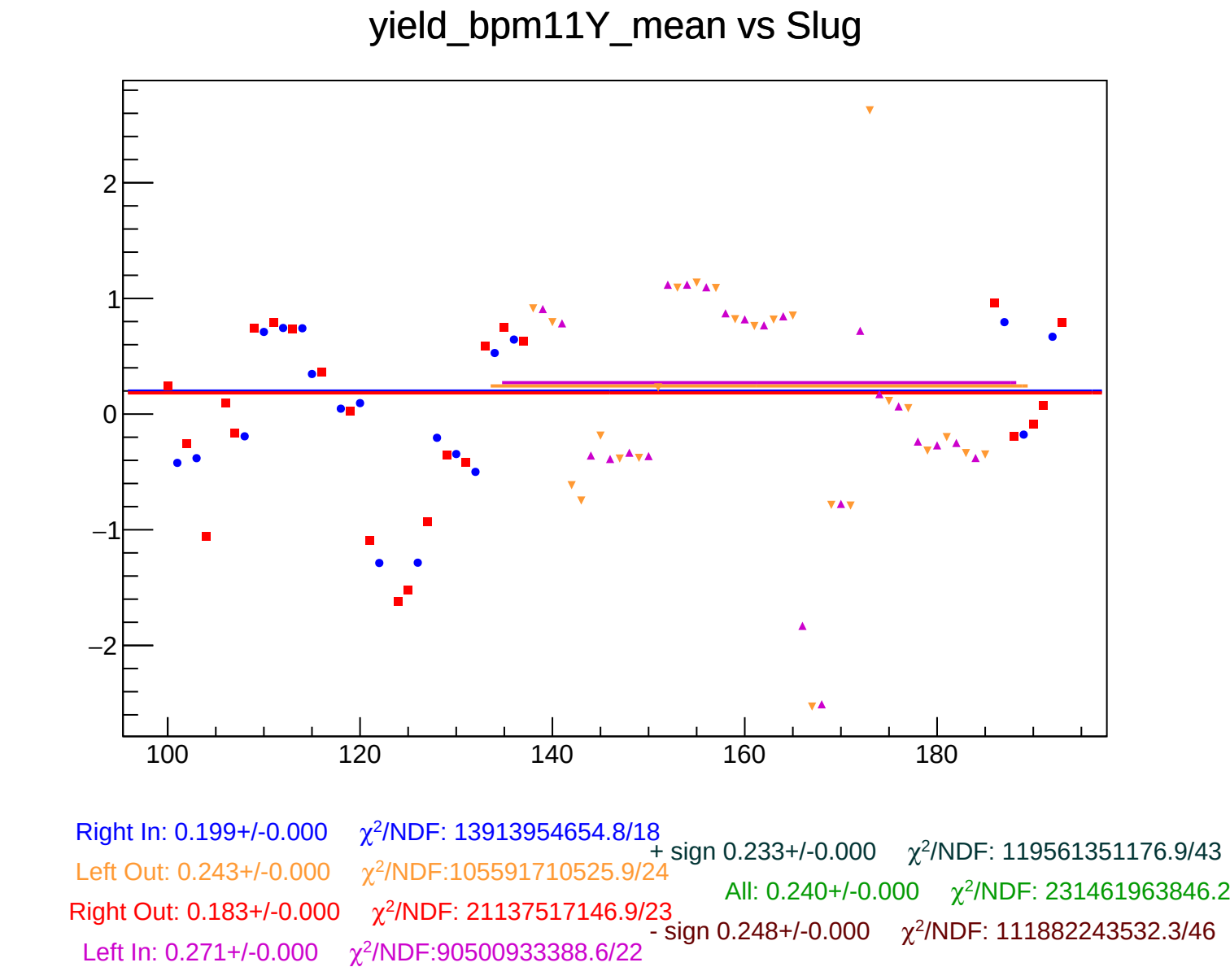
Right Out: 0.016+/-0.000 χ^2/NDF: 1637049.2/23

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

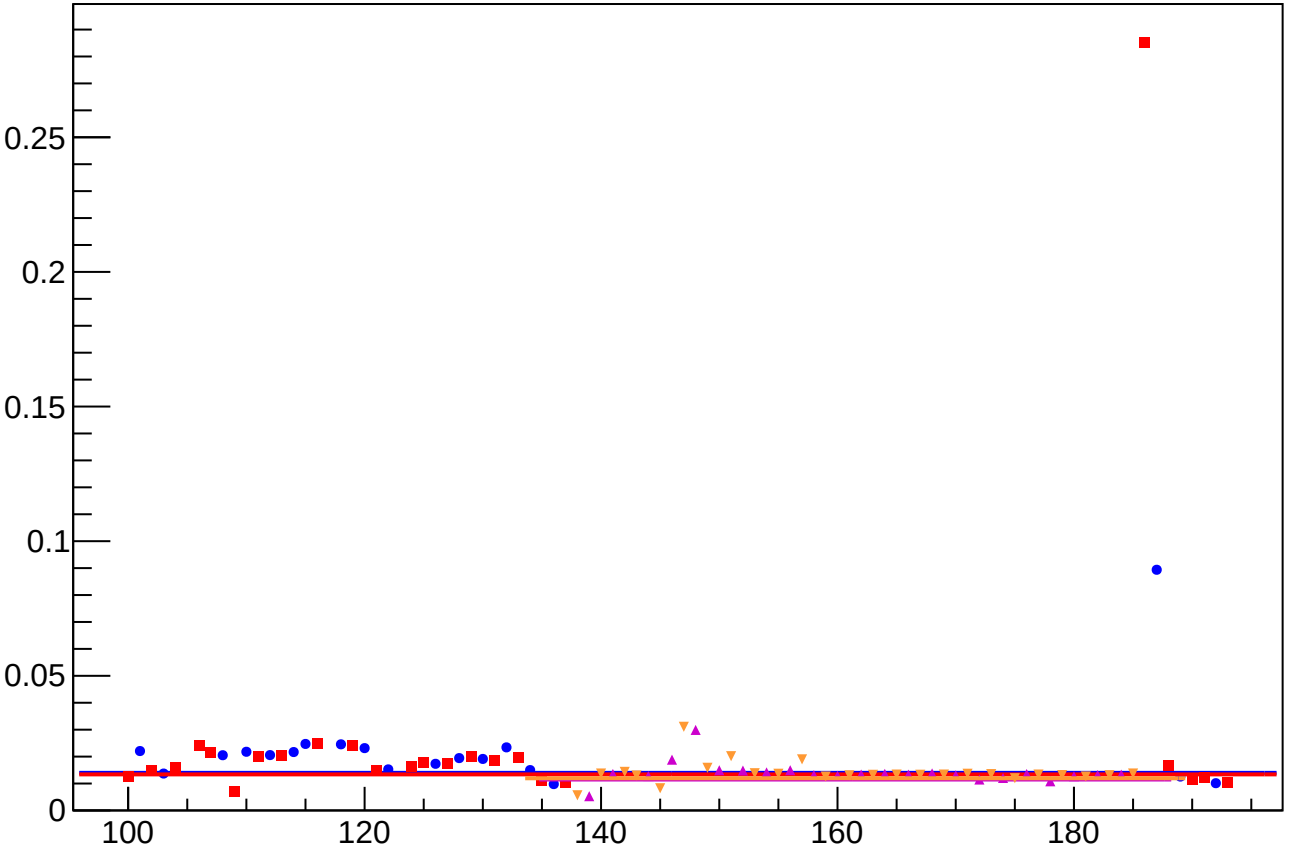
+ sign 0.014+/-0.000 χ^2/NDF: 1921729.7/43

All: 0.014+/-0.000 χ^2/NDF: 4642668.7/90

- sign 0.014+/-0.000 χ^2/NDF: 2702879.8/46


yield_bpm11Y_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.199+/-0.000 χ²/NDF: 13913954654.8/18
Left Out: 0.243+/-0.000 χ²/NDF:105591710525.9/24
Right Out: 0.183+/-0.000 χ²/NDF: 21137517146.9/23
Left In: 0.271+/-0.000 χ²/NDF:90500933388.6/22
+ sign 0.233+/-0.000 χ²/NDF: 119561351176.9/43
All: 0.240+/-0.000 χ²/NDF: 231461963846.2
- sign 0.248+/-0.000 χ²/NDF: 111882243532.3/46

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

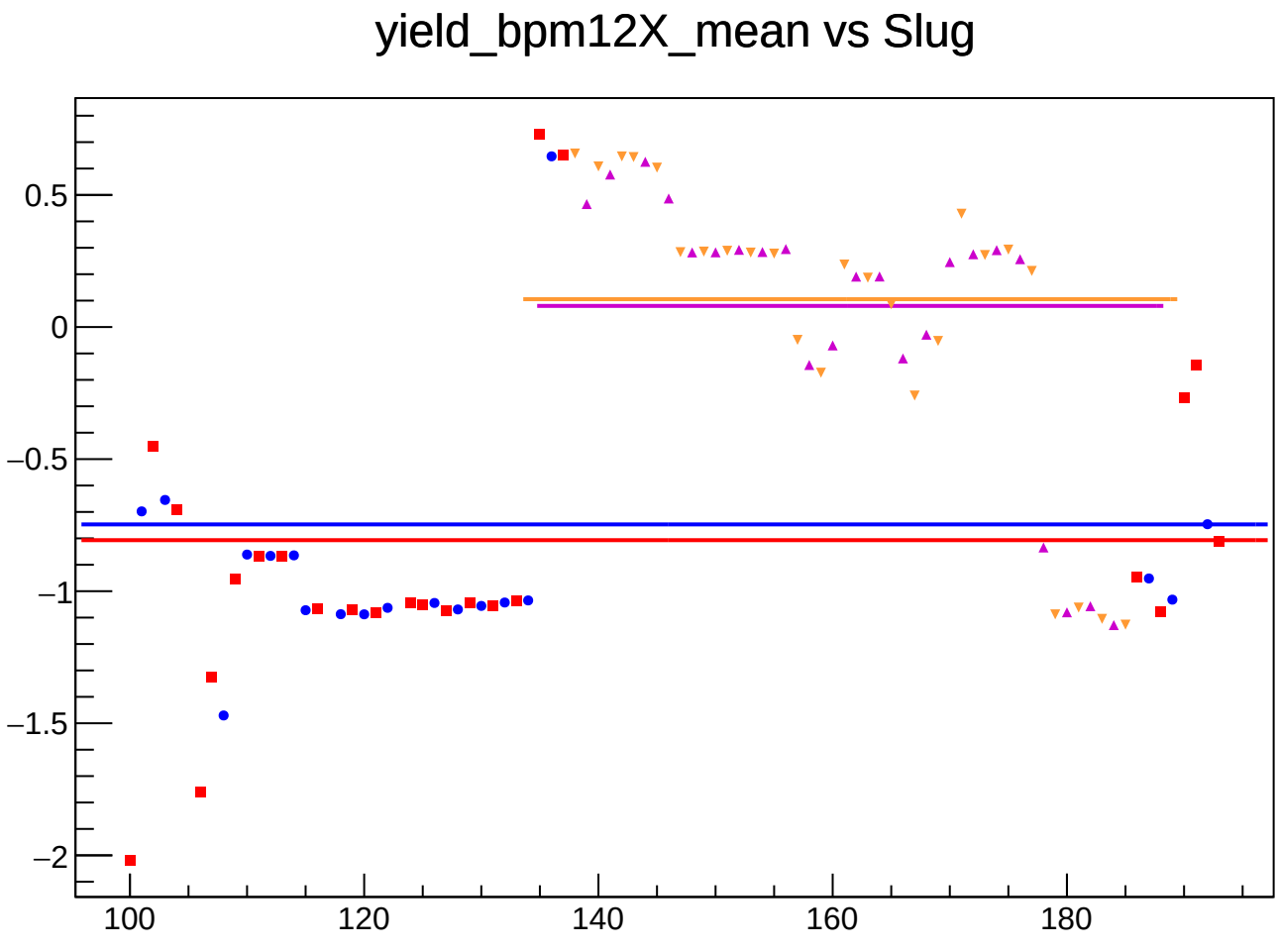
Right Out: 0.013+/-0.000 χ^2/NDF: 2604942.4/23

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: 11970096.1/90

- sign 0.012+/-0.000 χ^2/NDF: 6505642.8/46



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: 1945409298.0/23

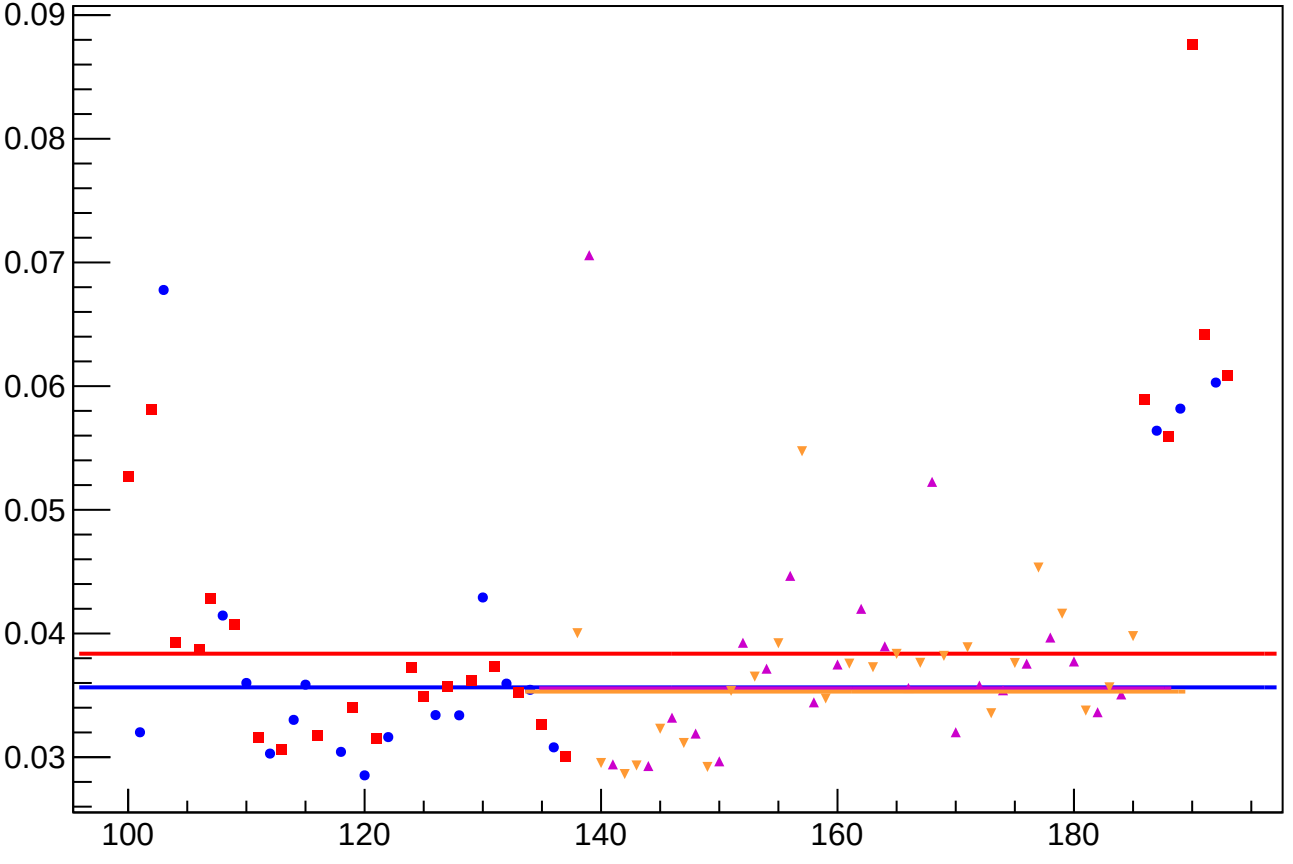
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.158+/-0.000 χ^2/NDF: 8899207656.0/43

All: -0.178+/-0.000 χ^2/NDF: 17293900468.7/

- sign -0.200+/-0.000 χ^2/NDF: 8377327975.3/46

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

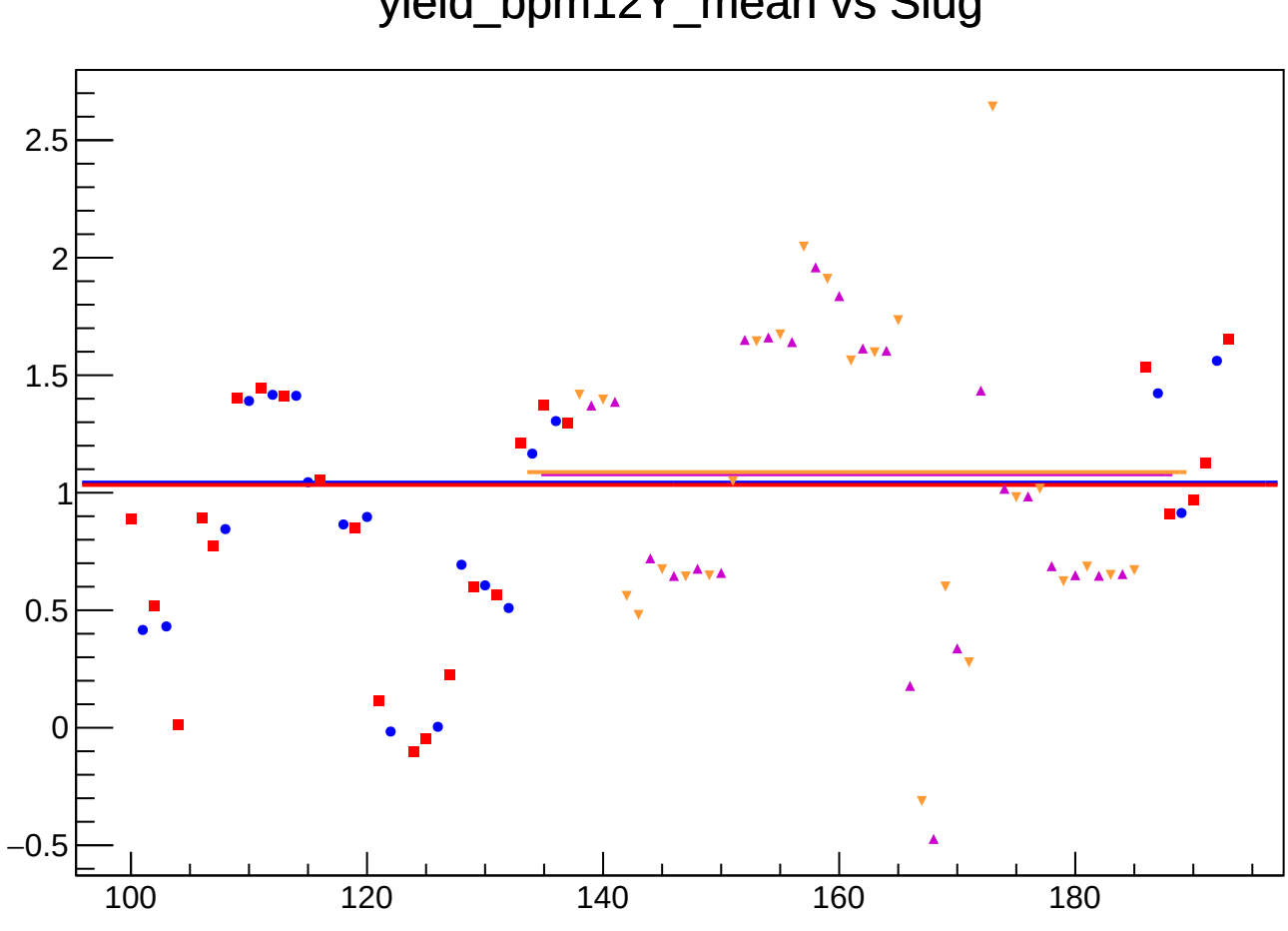
Right Out: 0.038+/-0.000 χ^2/NDF: 1150159.5/23

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: 3784861.4/90

- sign 0.036+/-0.000 χ^2/NDF: 2173773.2/46



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: 1.033+/-0.000 χ^2/NDF: 24305713148.2/23

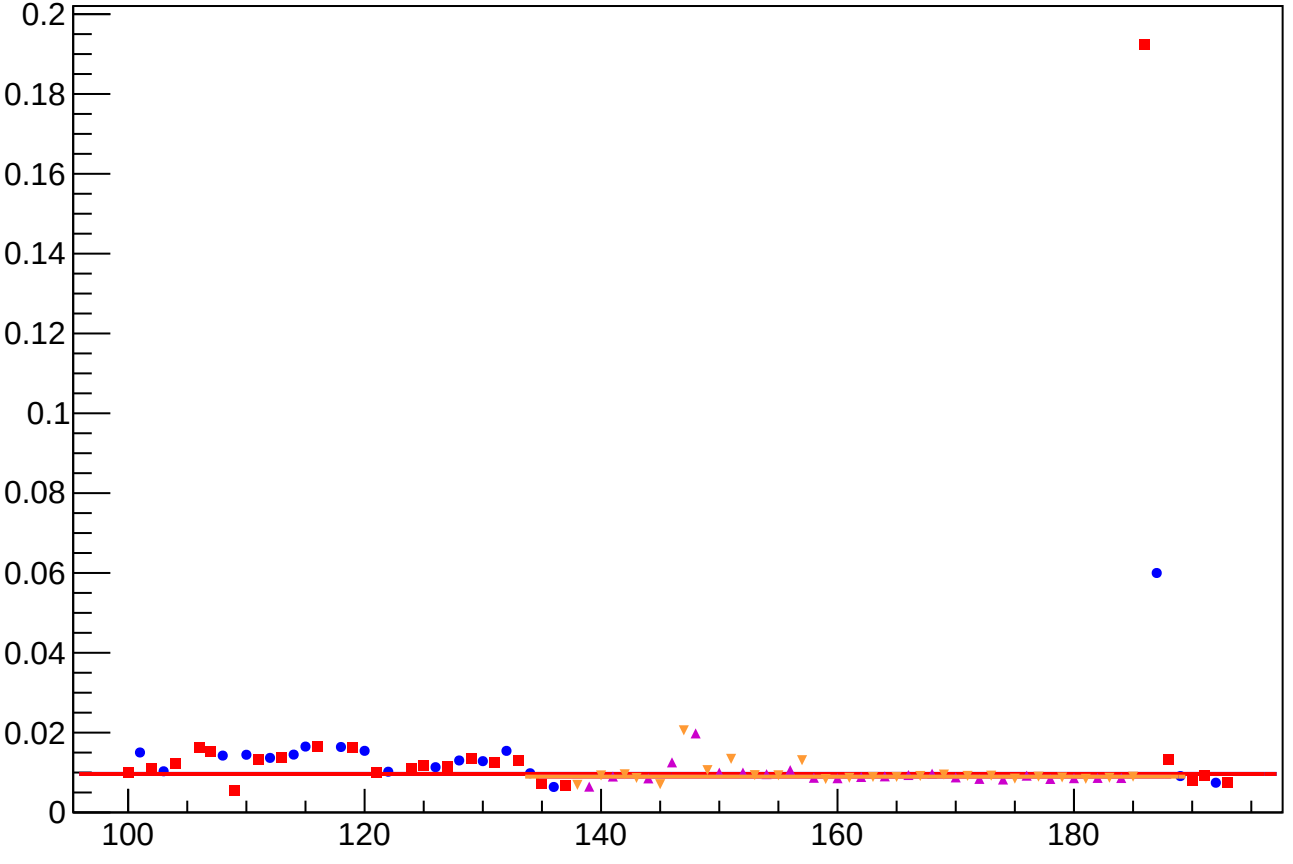
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.076+/-0.000 χ^2/NDF: 112655330241.4/43

All: 1.071+/-0.000 χ^2/NDF: 211184320368.4

- sign 1.066+/-0.000 χ^2/NDF: 98512472202.3/46

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: 2302228.5/23

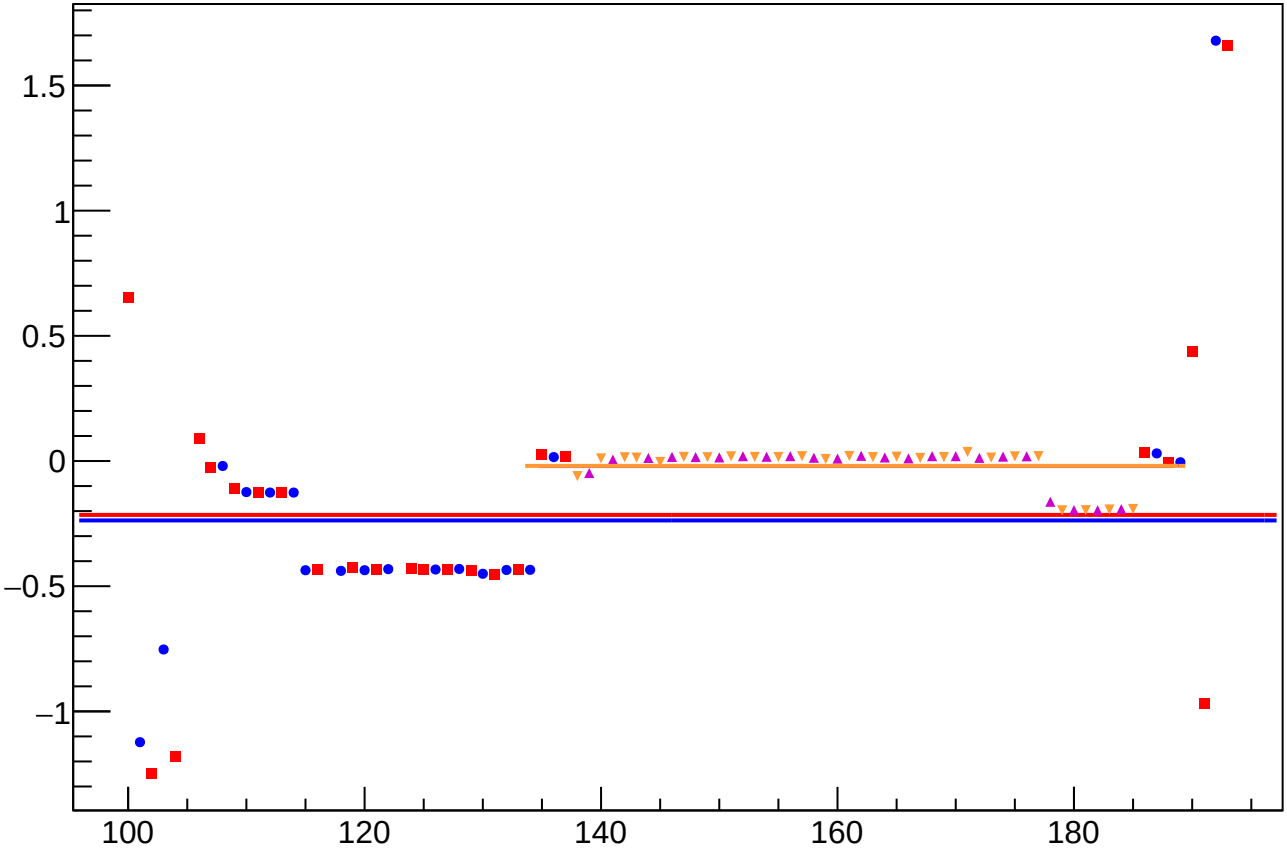
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 3023253.9/43

All: 0.009+/-0.000 χ^2/NDF: 6350993.2/90

- sign 0.009+/-0.000 χ^2/NDF: 3327738.1/46

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

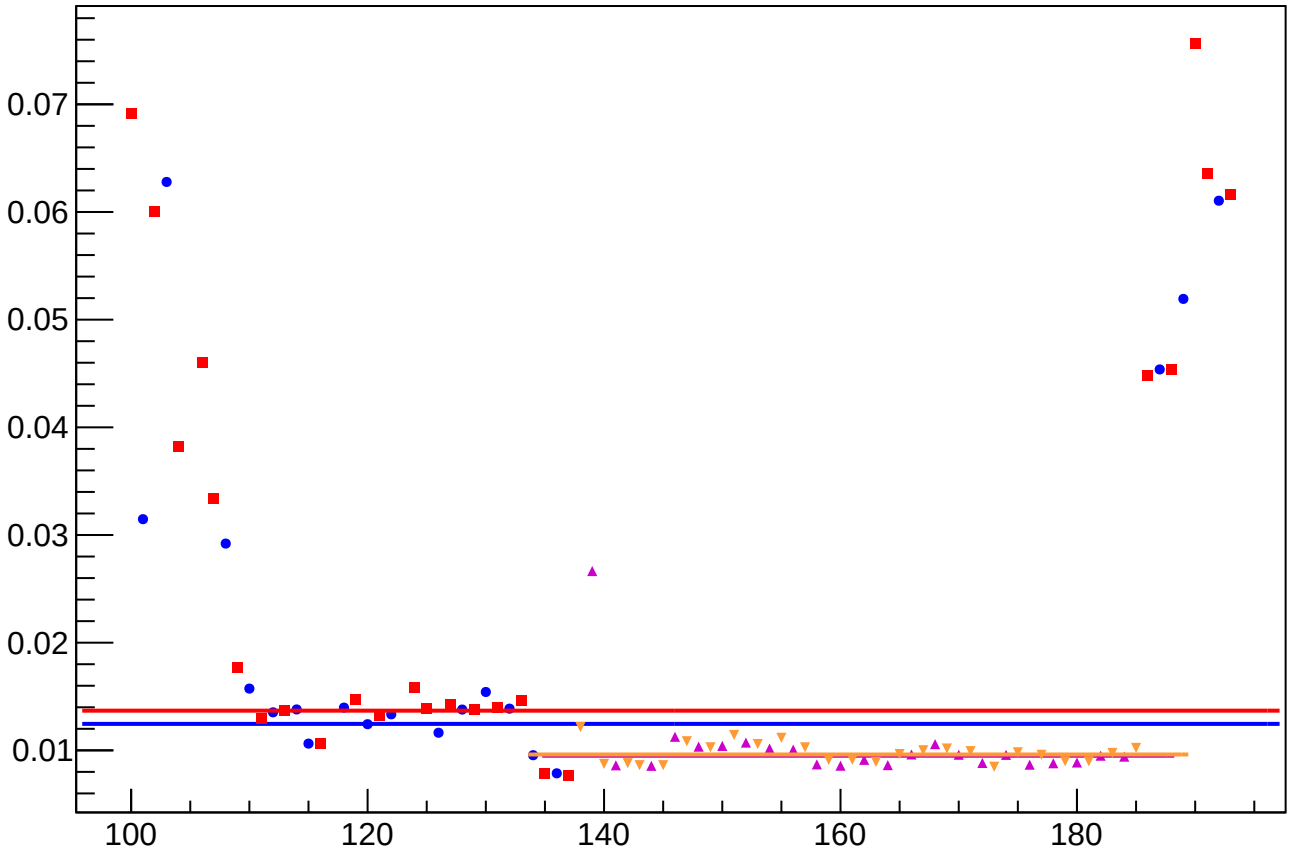
Right Out: -0.215+/-0.000 χ^2/NDF: 2595743990.6/23

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.056+/-0.000 χ^2/NDF: 5469812158.7/43

All: -0.054+/-0.000 χ^2/NDF: 10094553224.1/

- sign -0.052+/-0.000 χ^2/NDF: 4622749419.2/46



Right In: 0.012+/-0.000 χ^2/NDF: 3910177.5/18

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.014+/-0.000 χ^2/NDF: 5184037.2/23

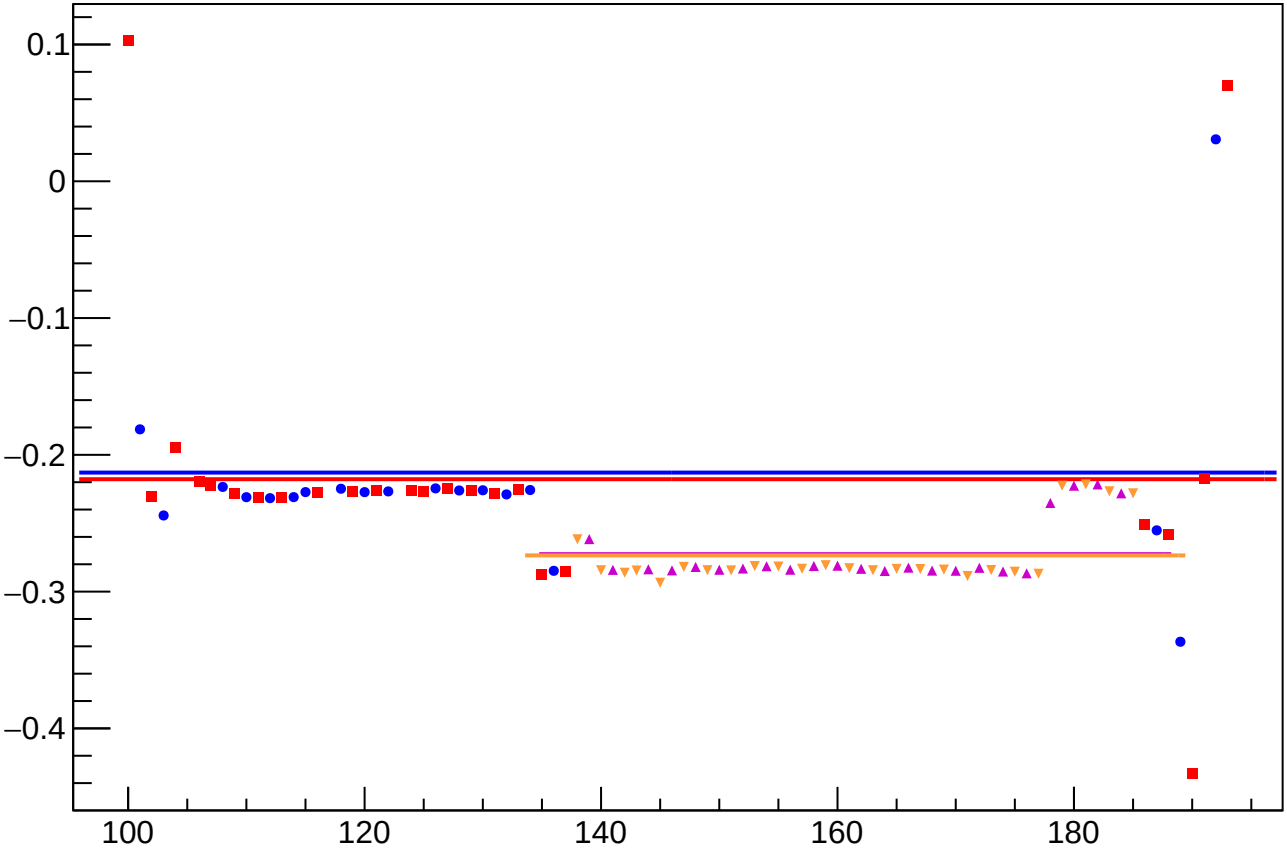
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 4665954.3/43

All: 0.010+/-0.000 χ^2/NDF: 11713115.5/90

- sign 0.010+/-0.000 χ^2/NDF: 7045773.9/46

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: -0.218+/-0.000 χ^2/NDF: 2765918231.1/23

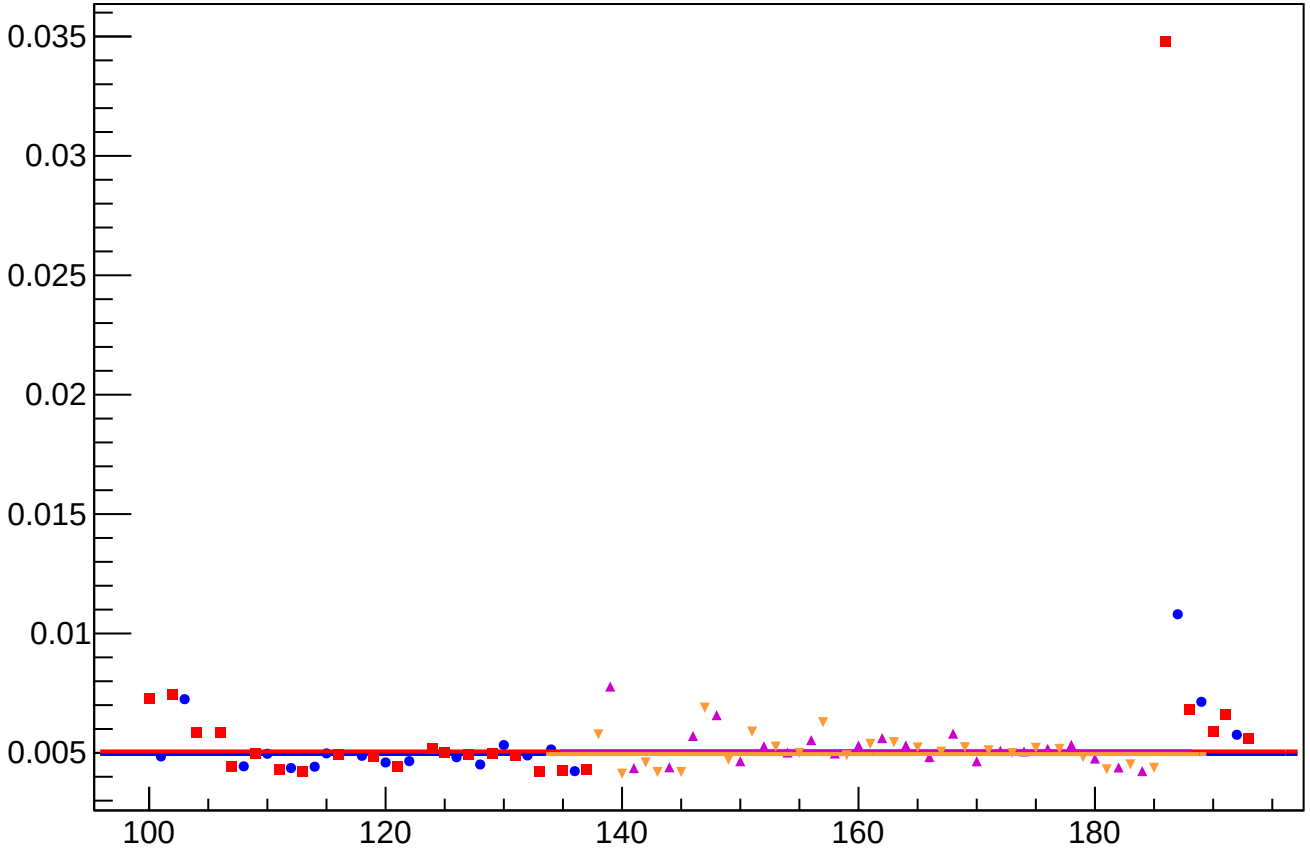
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.255+/-0.000 χ^2/NDF: 3387590574.4/43

All: -0.254+/-0.000 χ^2/NDF: 7177423705.2/9

- sign -0.254+/-0.000 χ^2/NDF: 3789042581.1/46

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: 1064673.8/23

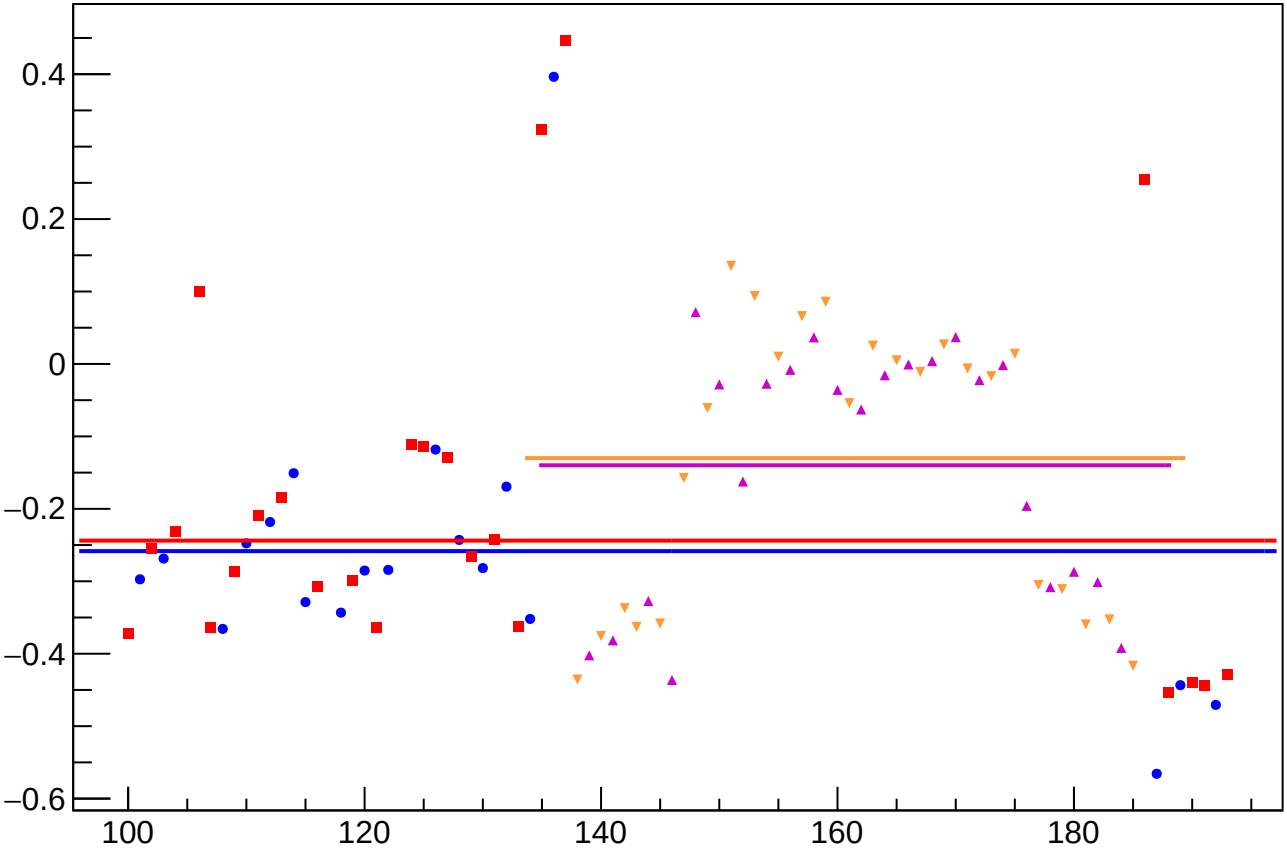
Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 973325.2/43

All: 0.005+/-0.000 χ^2/NDF: 2590600.6/90

- sign 0.005+/-0.000 χ^2/NDF: 1604092.9/46

yield_bpm0i02X_mean vs Slug



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: -0.244+/-0.000 χ^2/NDF: 9459593598.6/23

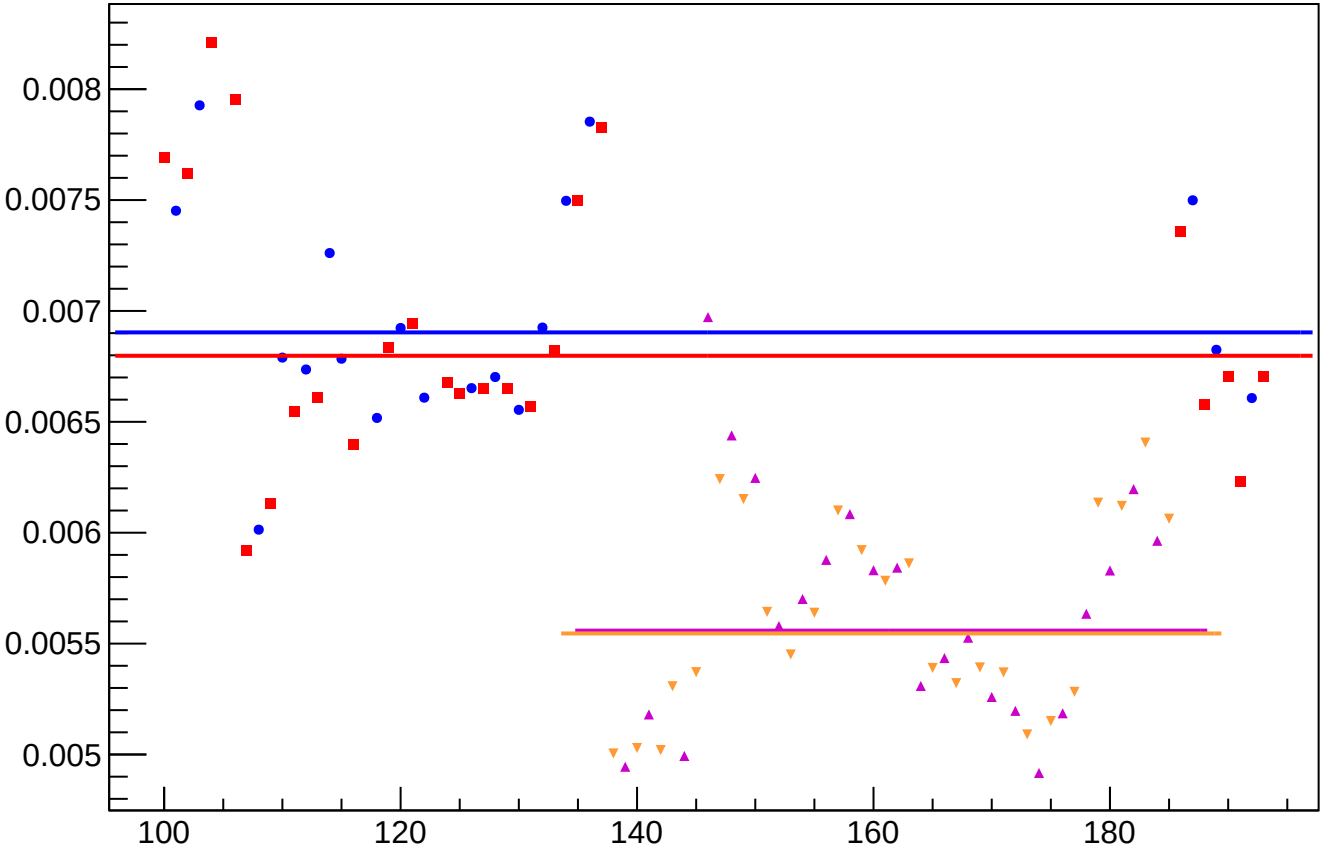
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.160+/-0.000 χ^2/NDF: 32095812184.2/43

All: -0.164+/-0.000 χ^2/NDF: 58407073867.6/

- sign -0.169+/-0.000 χ^2/NDF: 26282345211.6/46

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

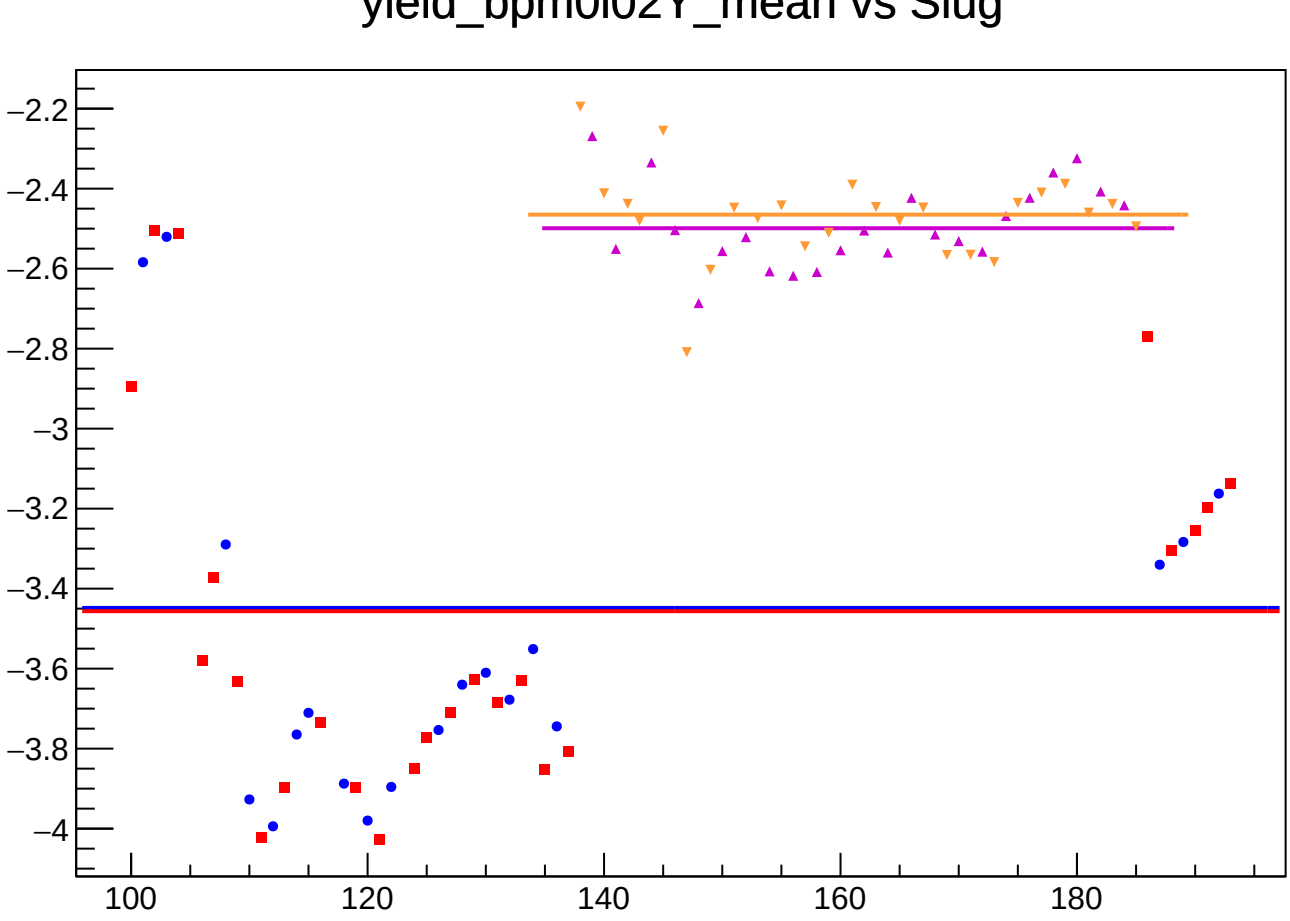
Right Out: 0.007+/-0.000 χ^2/NDF: 111774.5/23

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: 1658610.9/90

- sign 0.006+/-0.000 χ^2/NDF: 848348.3/46



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: -3.456+/-0.000 χ^2/NDF: 32458581977.8/23

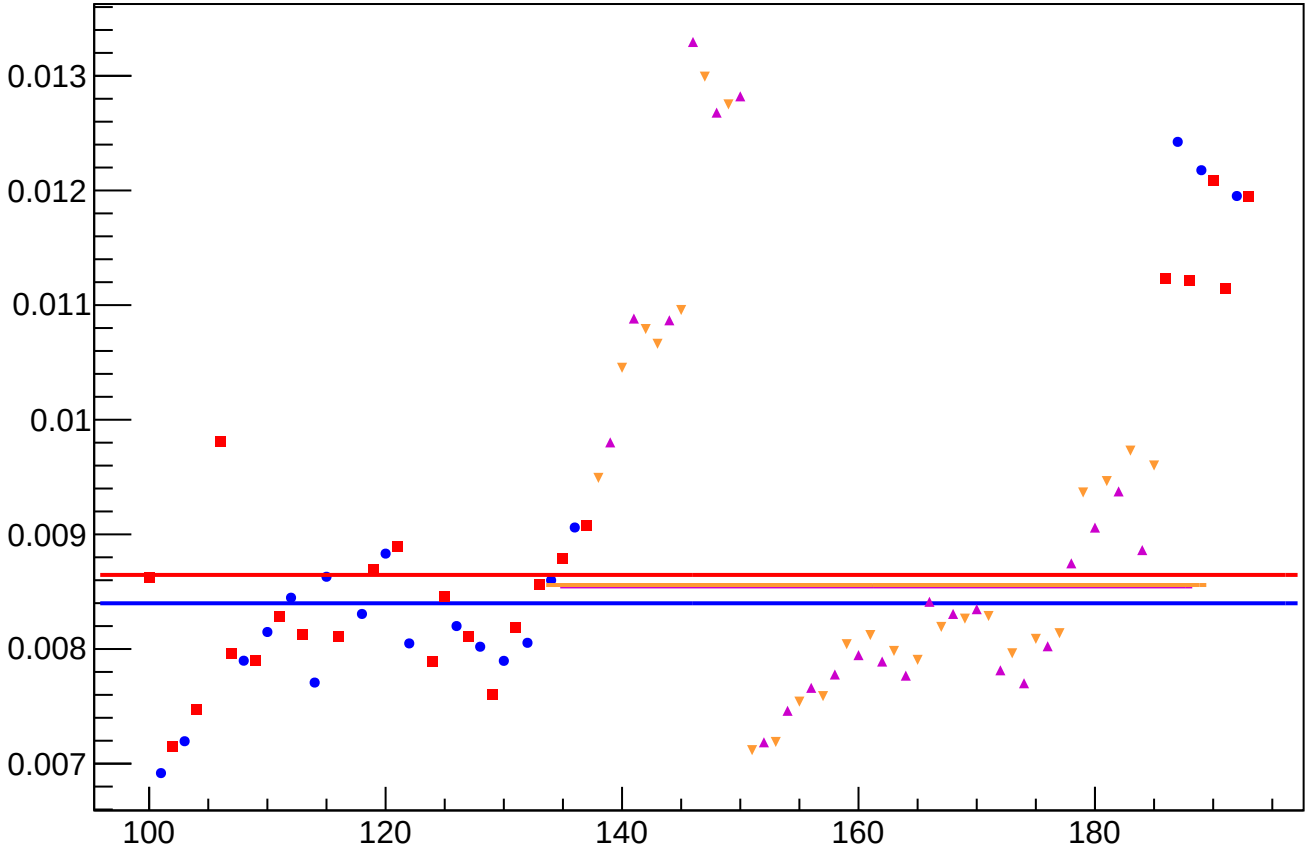
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.787+/-0.000 χ^2/NDF: 110578003032.3/43

All: -2.812+/-0.000 χ^2/NDF: 221695096625.9

- sign -2.838+/-0.000 χ^2/NDF: 110640398109.4/46

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: 465466.3/23

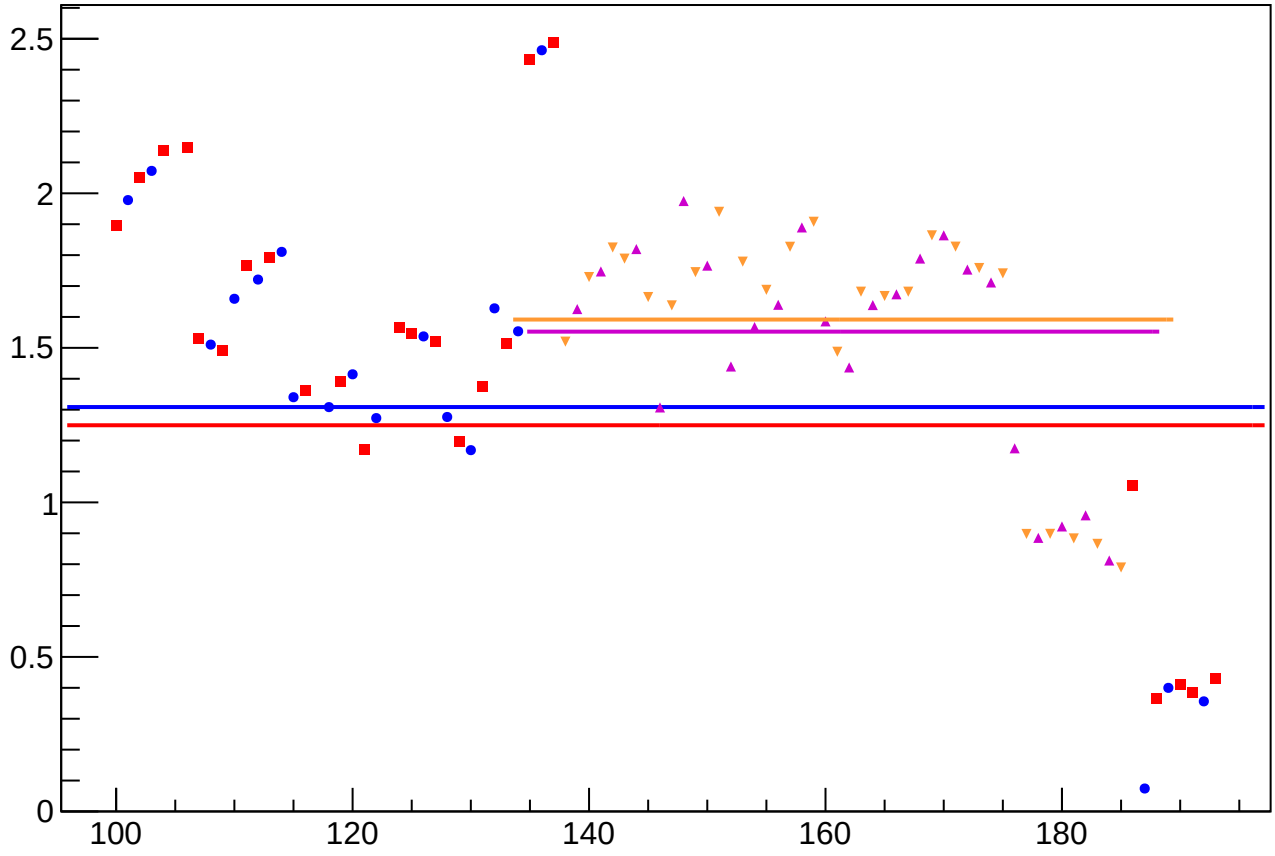
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 1252535.0/43

All: 0.009+/-0.000 χ^2/NDF: 2632498.7/90

- sign 0.009+/-0.000 χ^2/NDF: 1377897.8/46

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

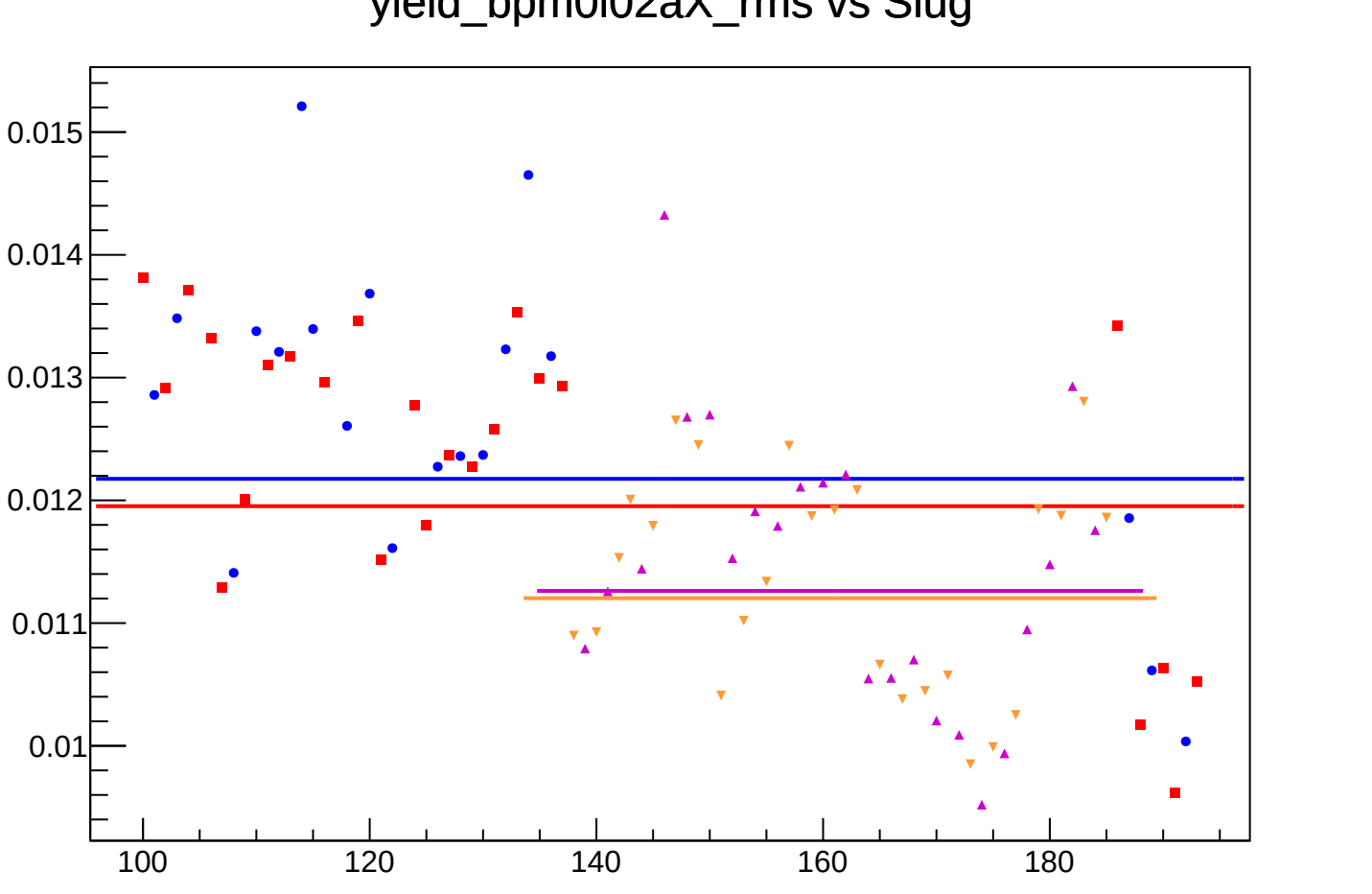
Right Out: 1.250+/-0.000 χ^2/NDF: 30069804427.7/23

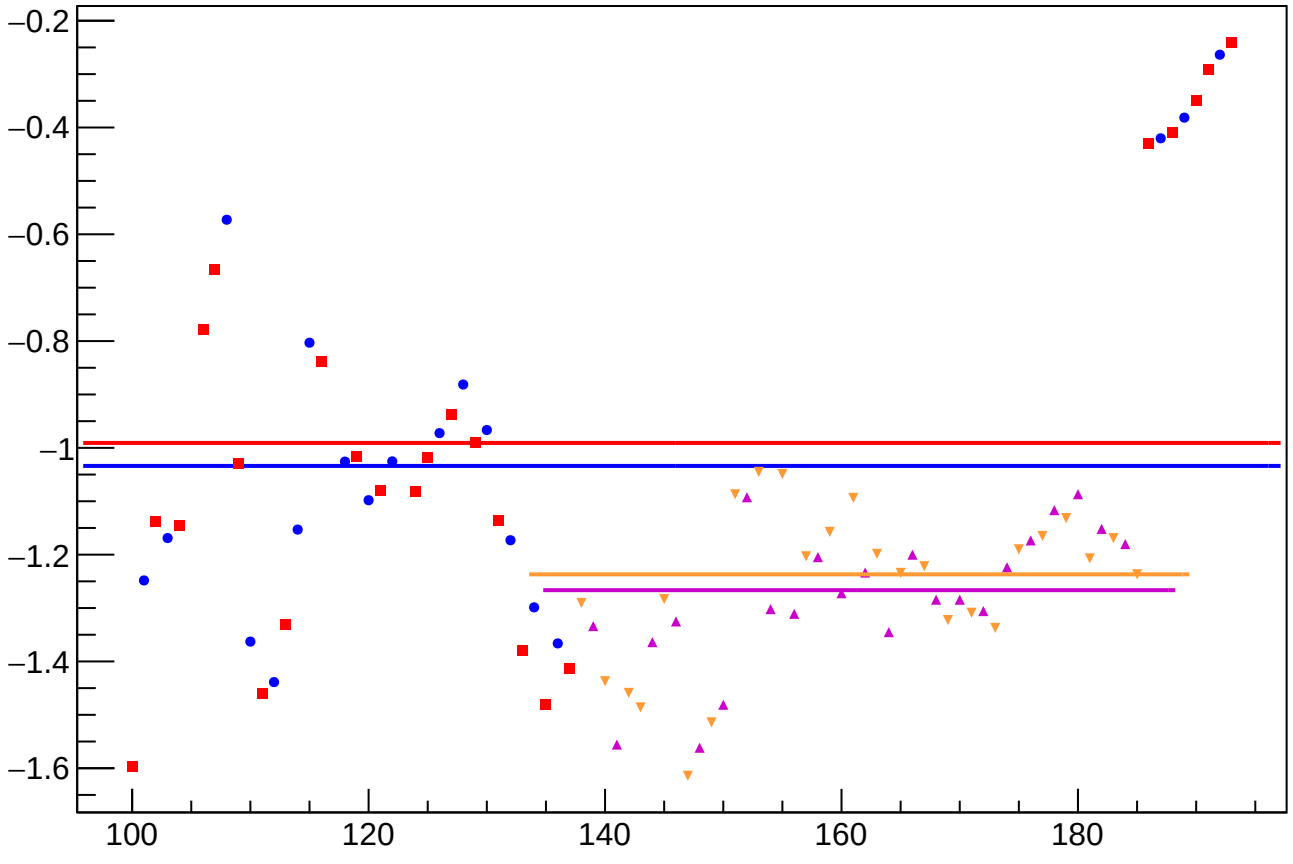
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.511+/-0.000 χ^2/NDF: 46675122317.5/43

All: 1.481+/-0.000 χ^2/NDF: 95357102868.5/9

- sign 1.451+/-0.000 χ^2/NDF: 48310870667.0/46


yield_bpm0i02aX_rms vs Slug
0.015
0.014
0.013
0.012
0.011
0.01
100
120
140
160
180
Right In: 0.012+/-0.000 χ²/NDF: 199580.1/18
Left Out: 0.011+/-0.000 χ²/NDF:223594.3/24
Right Out: 0.012+/-0.000 χ²/NDF: 226213.4/23
Left In: 0.011+/-0.000 χ²/NDF:311660.7/22
+ sign 0.011+/-0.000 χ²/NDF: 501840.5/43
All: 0.011+/-0.000 χ²/NDF: 1083232.7/90
- sign 0.011+/-0.000 χ²/NDF: 581348.9/46



Right In: -1.034+/-0.000 χ^2/NDF: 10869883092.7/18

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.991+/-0.000 χ^2/NDF: 14318575189.6/23

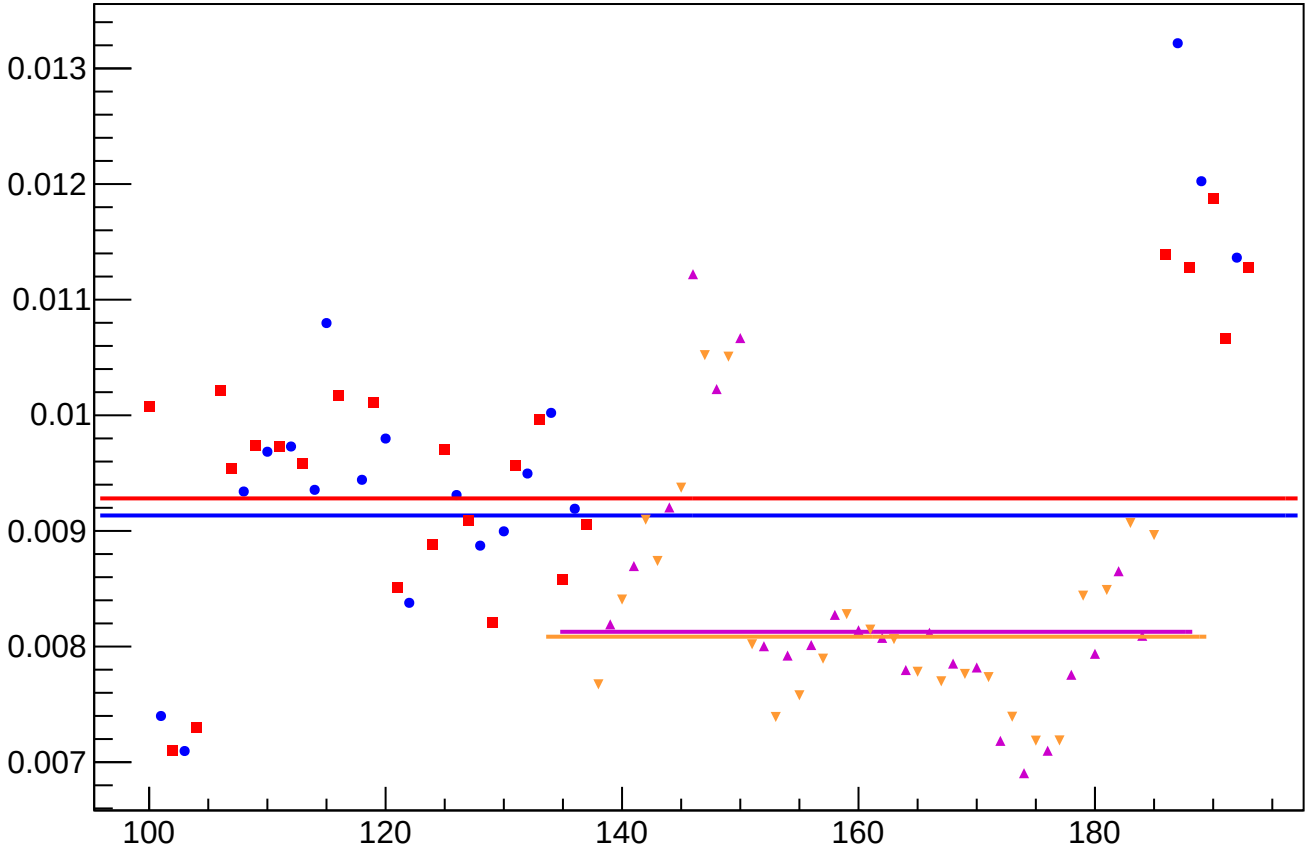
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.183+/-0.000 χ^2/NDF: 18884603342.7/43

All: -1.183+/-0.000 χ^2/NDF: 42754524707.8/

- sign -1.184+/-0.000 χ^2/NDF: 23869429489.8/46

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

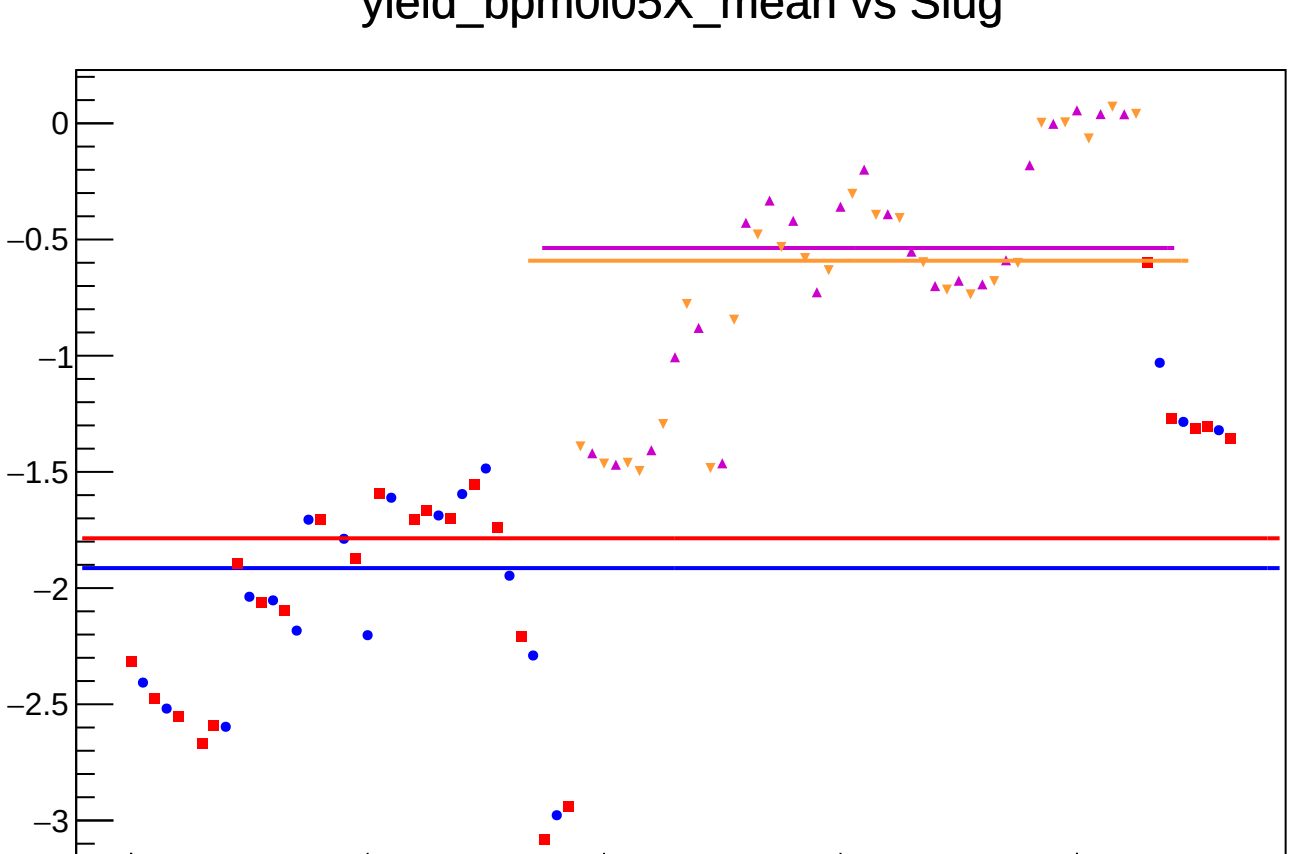
Right Out: 0.009+/-0.000 χ^2/NDF: 415378.7/23

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: 1885102.9/90

- sign 0.008+/-0.000 χ^2/NDF: 1030124.6/46



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: -1.786+/-0.000 χ^2/NDF: 70465843361.9/23

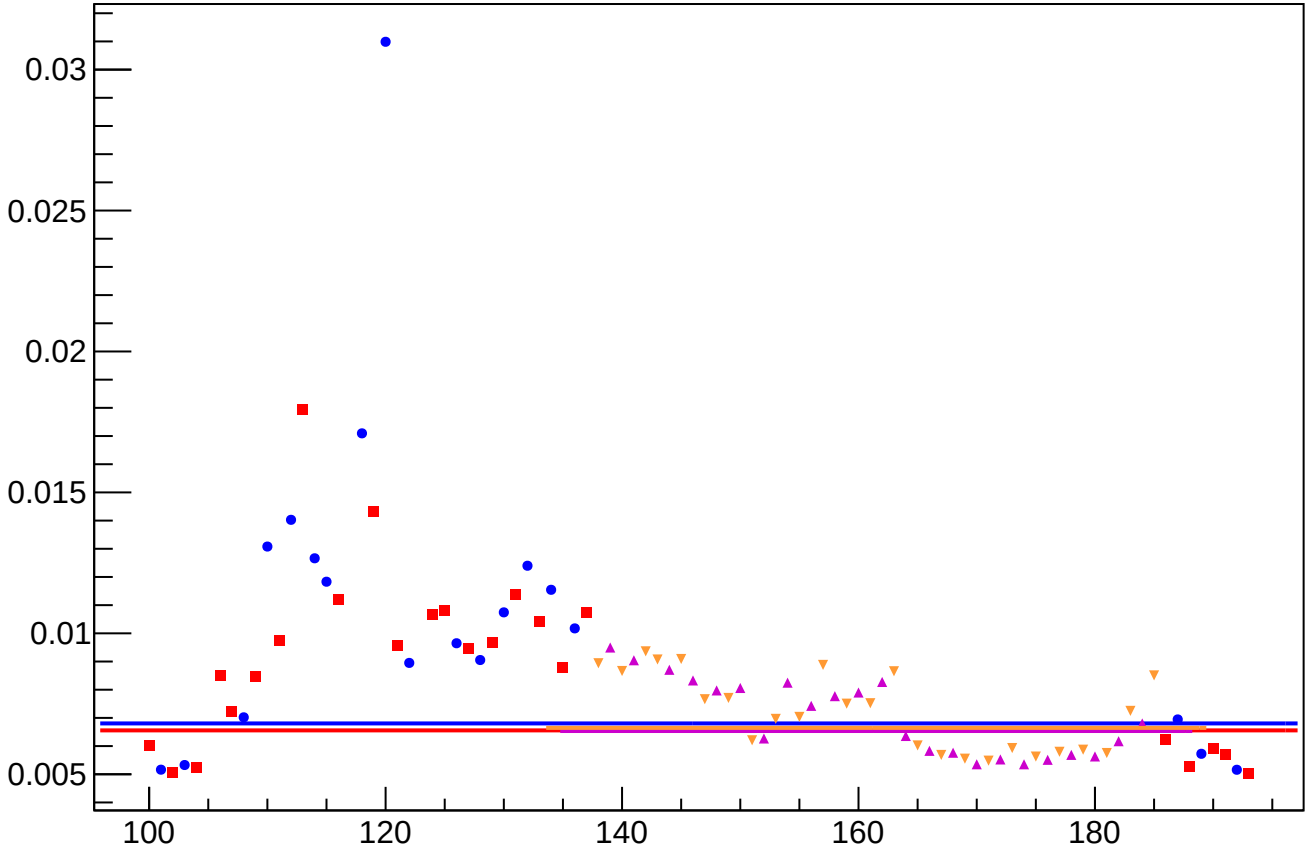
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.948+/-0.000 χ^2/NDF: 299742367757.1/43

All: -0.948+/-0.000 χ^2/NDF: 631031616462.6

- sign -0.948+/-0.000 χ^2/NDF: 331289229668.0/46

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

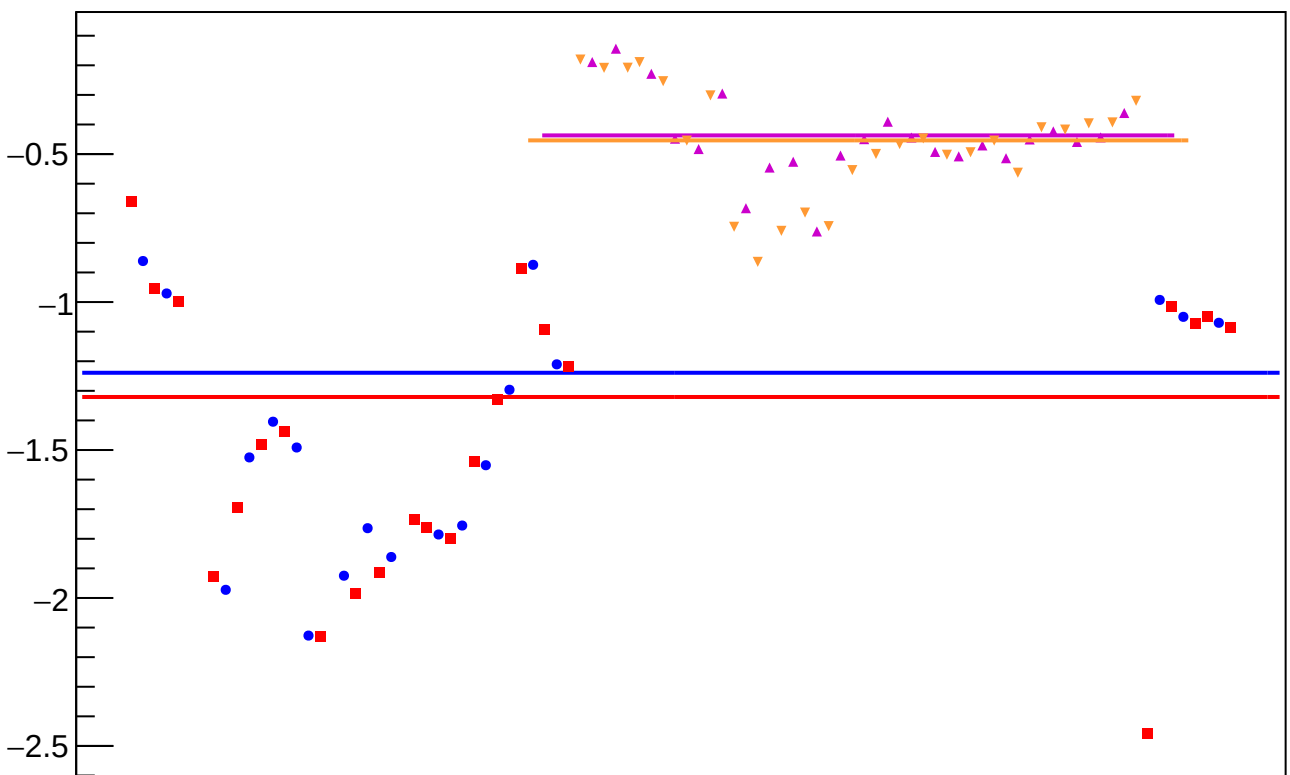
Right Out: 0.007+/-0.000 χ^2/NDF: 1803185.2/23

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: 6115138.9/90

- sign 0.007+/-0.000 χ^2/NDF: 2954432.8/46



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: -1.321+/-0.000 χ^2/NDF: 68397189412.4/23

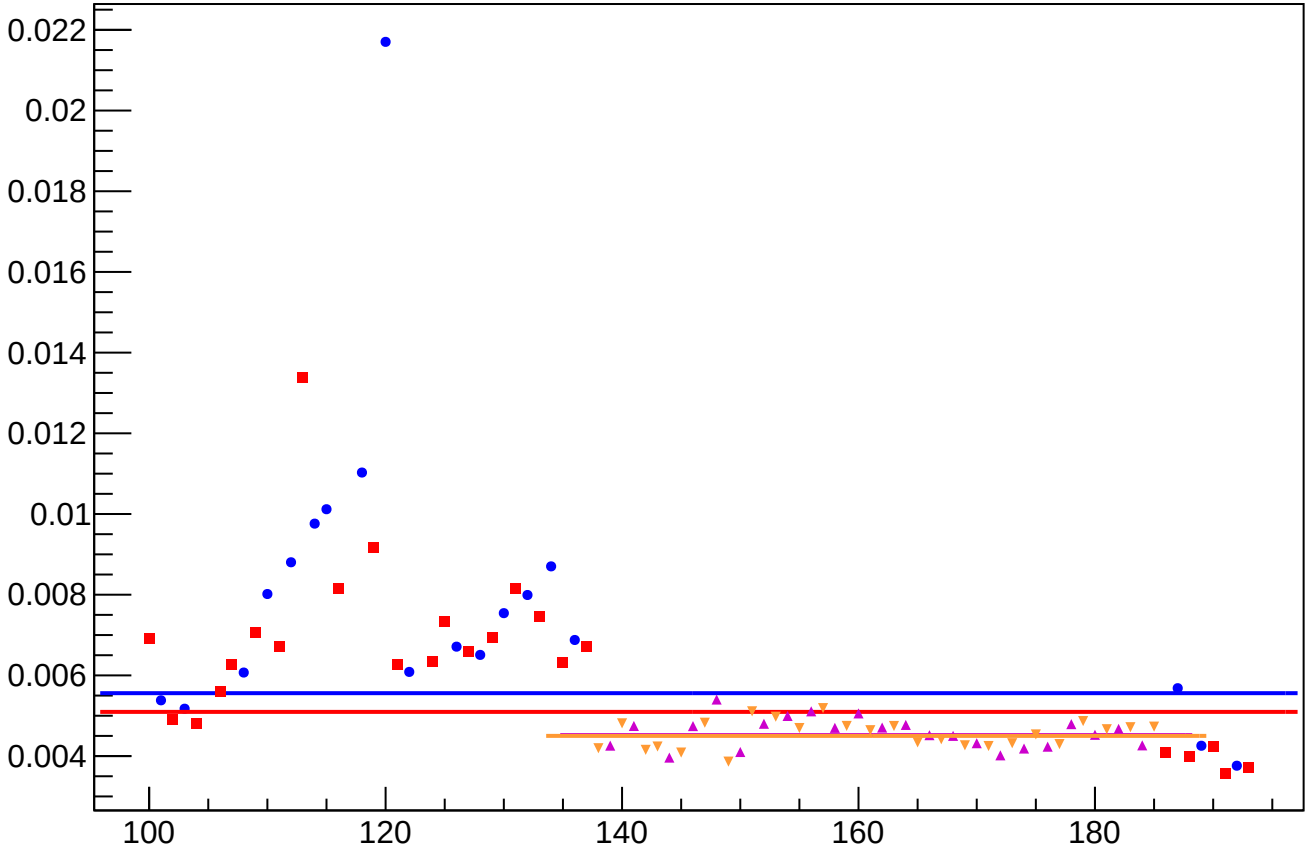
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.613+/-0.000 χ^2/NDF: 164224897260.6/43

All: -0.647+/-0.000 χ^2/NDF: 427473550693.0

- sign -0.681+/-0.000 χ^2/NDF: 260700443776.2/46

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

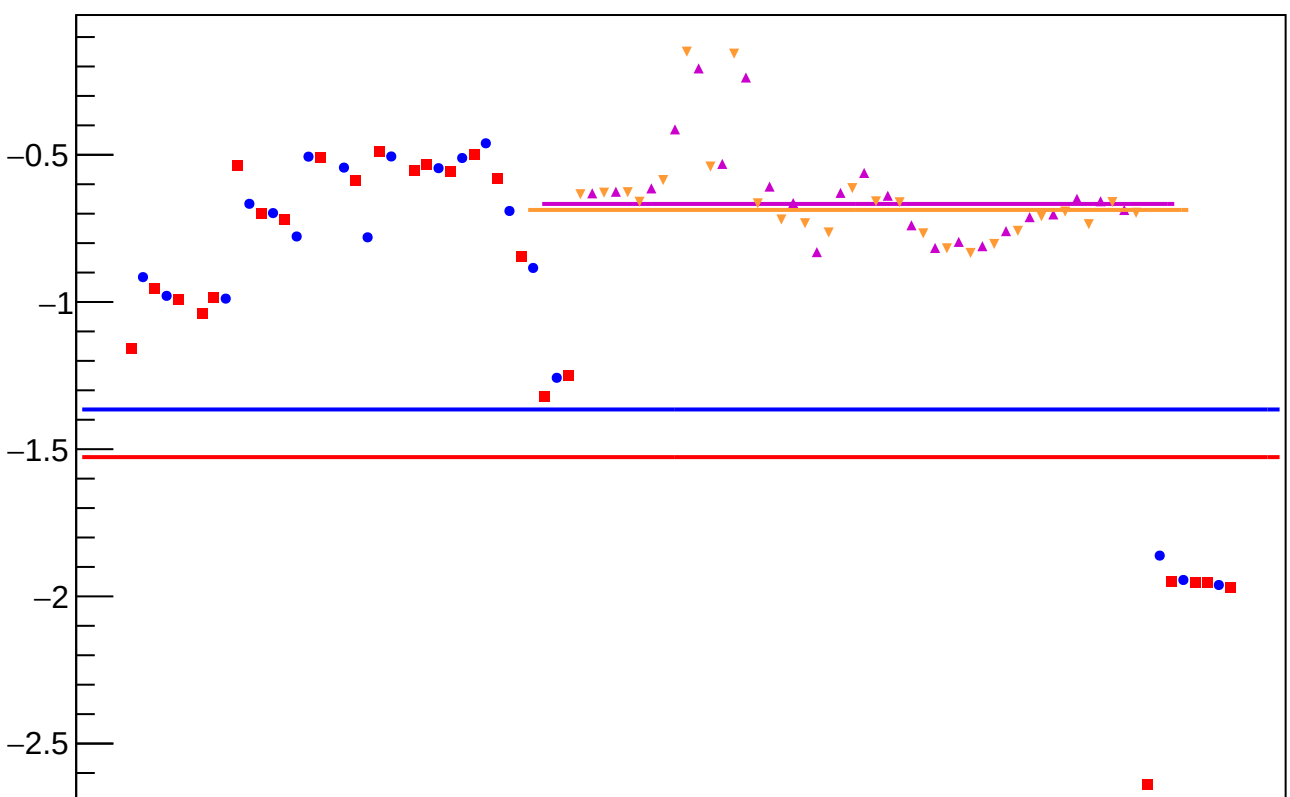
Right Out: 0.005+/-0.000 χ^2/NDF: 1471025.2/23

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: 3885830.2/90

- sign 0.005+/-0.000 χ^2/NDF: 1831856.0/46



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: -1.527+/-0.000 χ^2/NDF: 206916991553.7/23

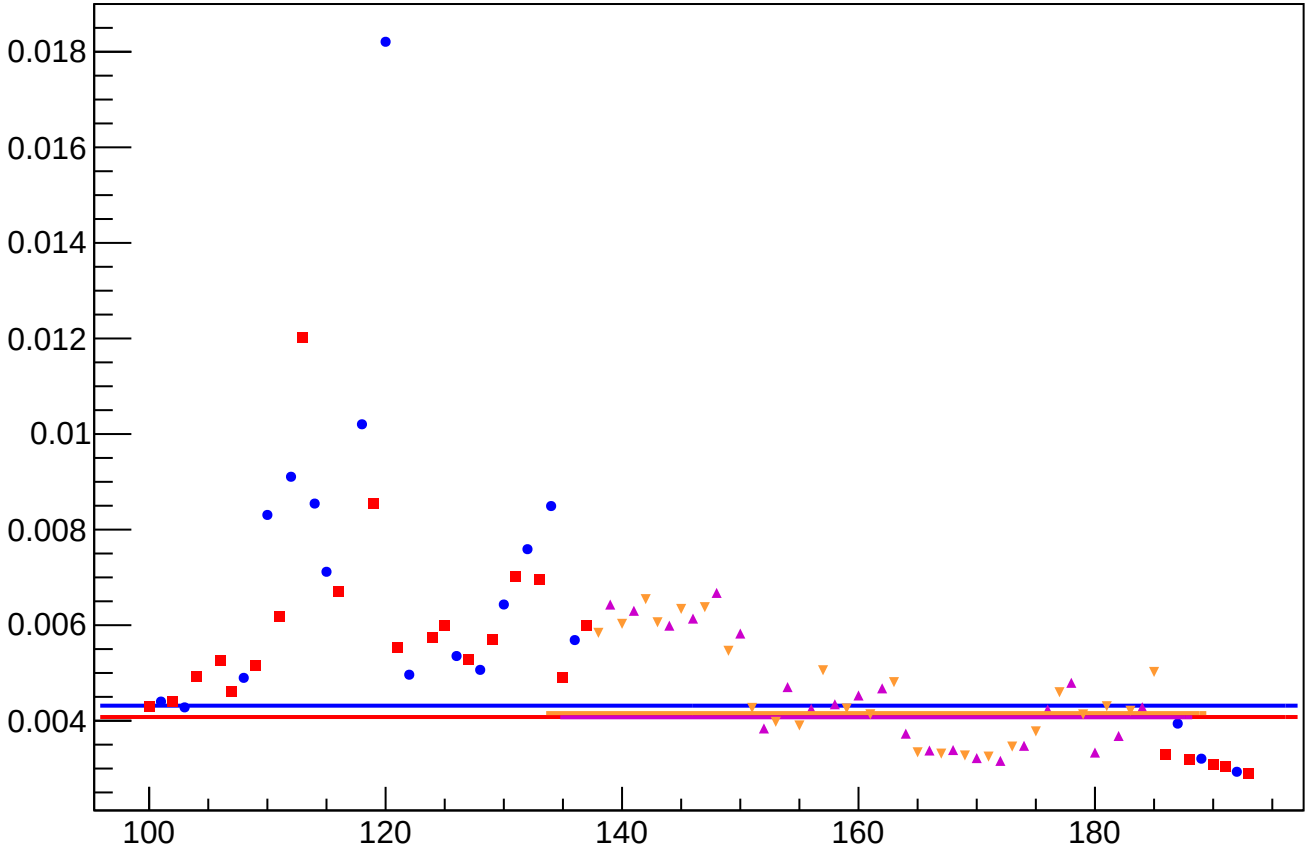
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.870+/-0.000 χ^2/NDF: 267134796988.5/43

All: -0.914+/-0.000 χ^2/NDF: 737755614093.0

- sign -0.955+/-0.000 χ^2/NDF: 465610855231.8/46

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: 1843791.7/23

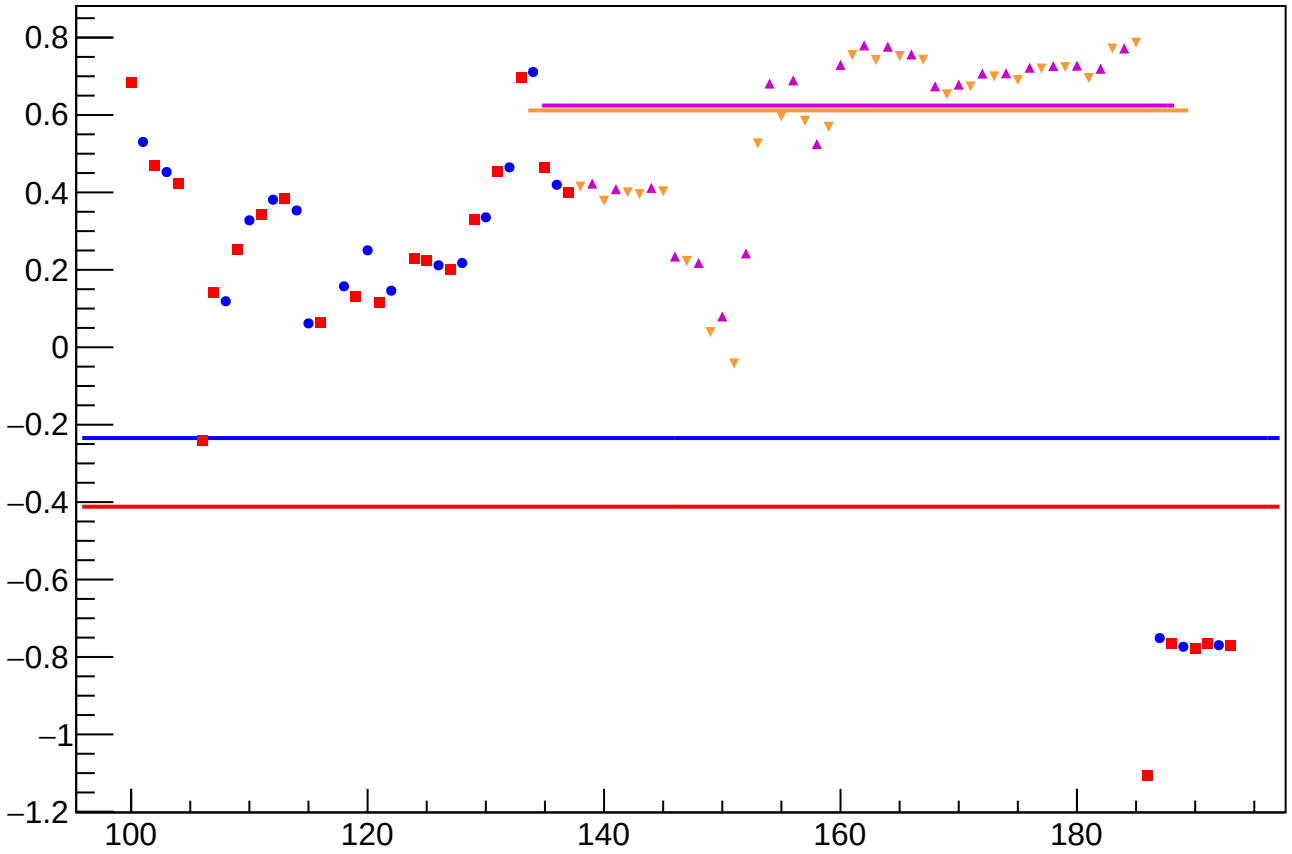
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 3527822.3/43

All: 0.004+/-0.000 χ^2/NDF: 7144342.6/90

- sign 0.004+/-0.000 χ^2/NDF: 3594115.2/46

yield_bpm0i07Y_mean vs Slug



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: -0.412+/-0.000 χ^2/NDF: 370212830226.3/23

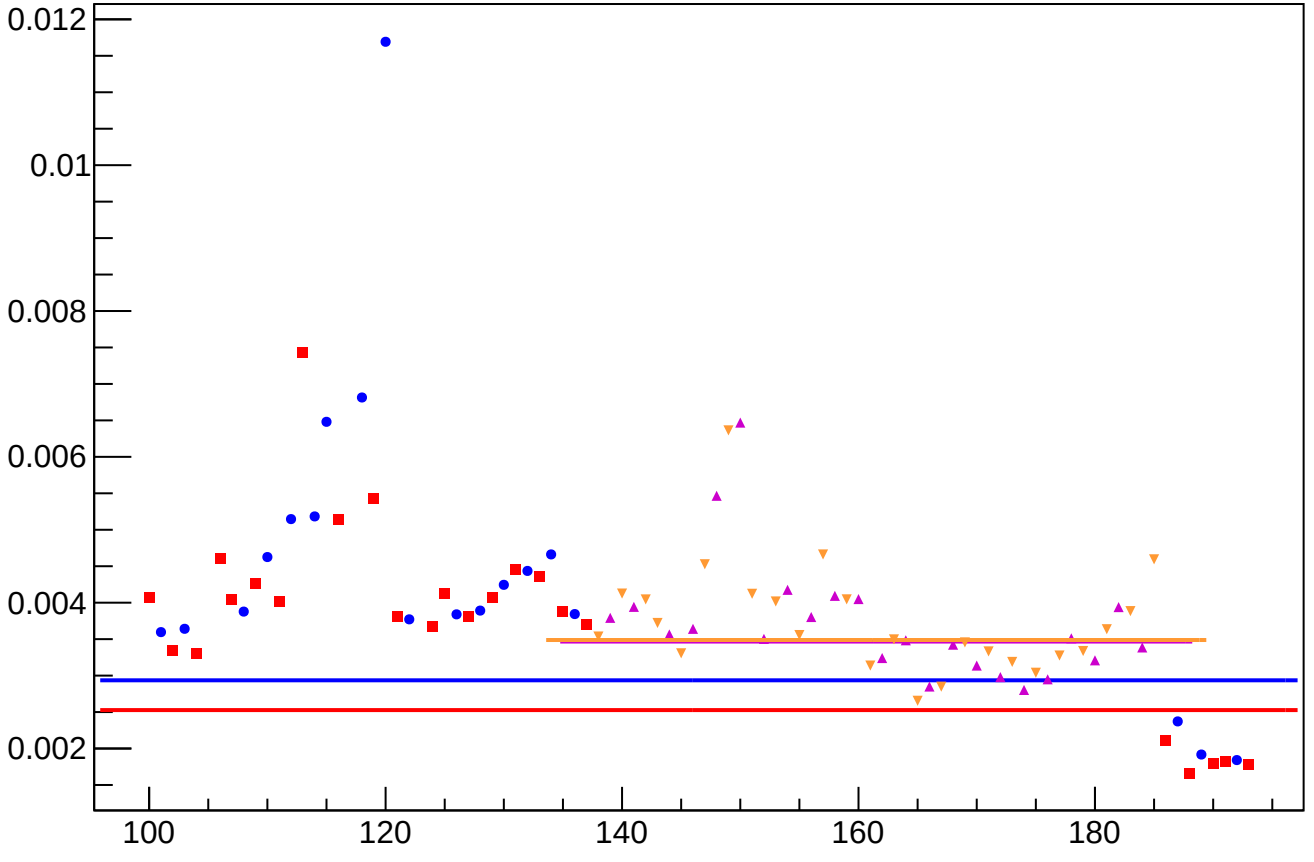
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.299+/-0.000 χ^2/NDF: 650346660196.4/43

All: 0.204+/-0.000 χ^2/NDF: 1752609942583.

- sign 0.124+/-0.000 χ^2/NDF: 1067626003515.4/46

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

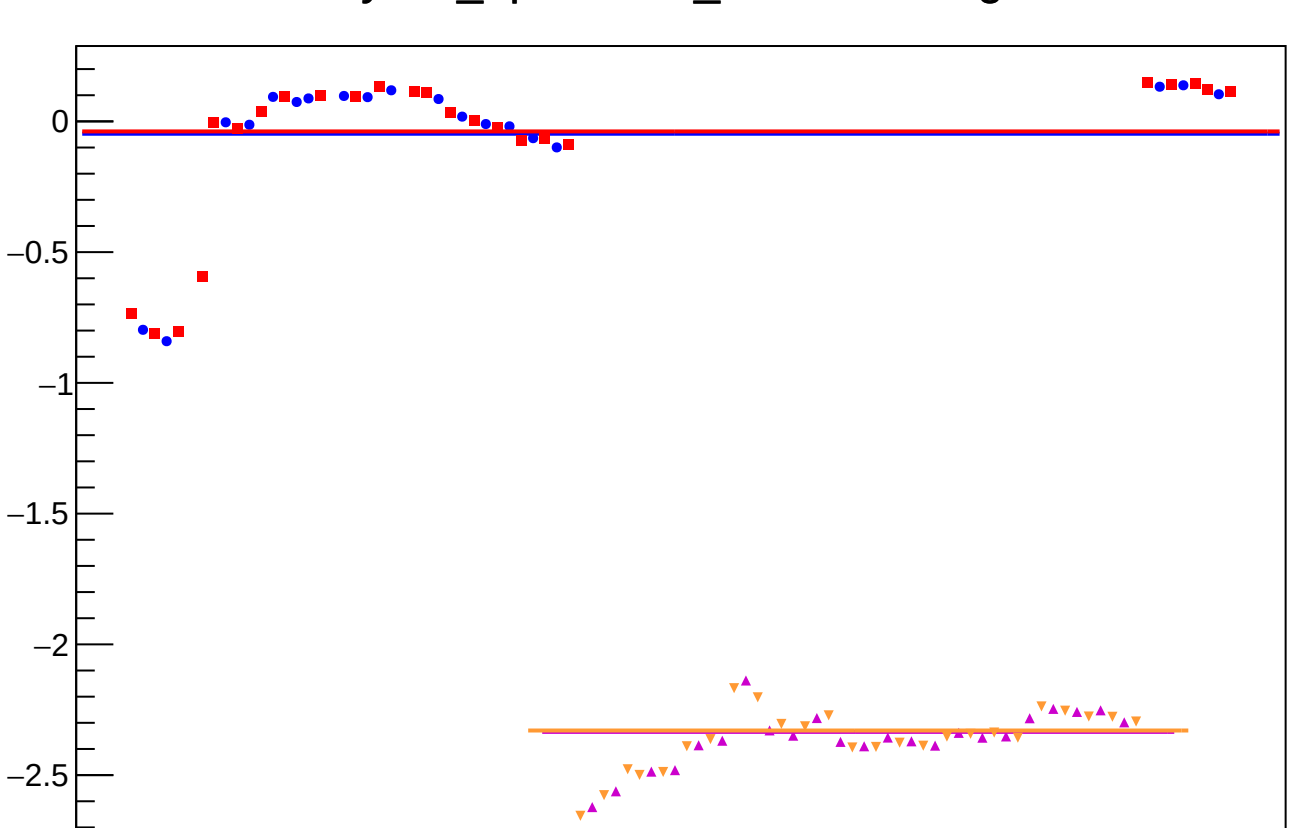
Right Out: 0.003+/-0.000 χ^2/NDF: 2922971.1/23

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: 8575412.4/90

- sign 0.003+/-0.000 χ^2/NDF: 4898321.4/46



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: -0.038+/-0.000 χ^2/NDF: 7383159579.0/23

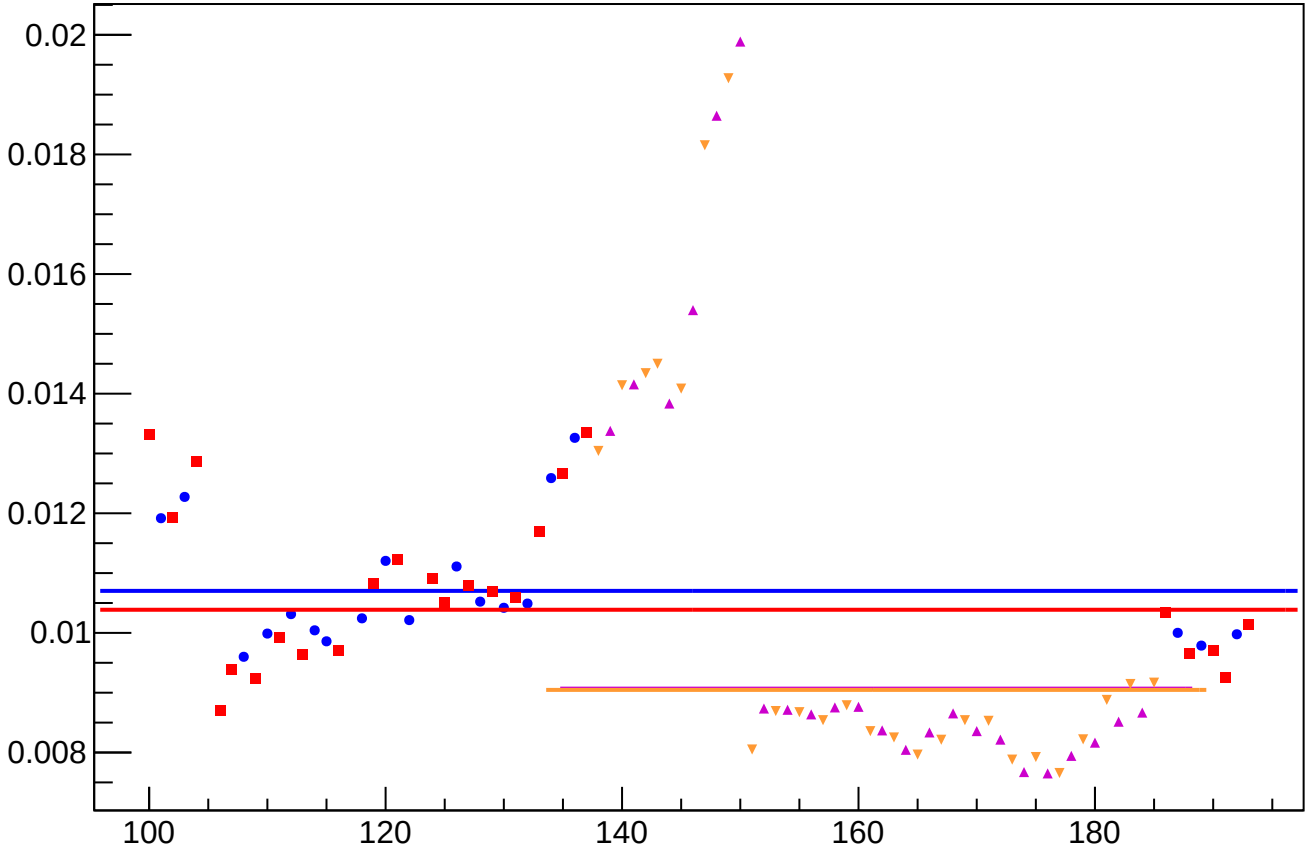
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.743+/-0.000 χ^2/NDF: 305223701839.1/43

All: -1.684+/-0.000 χ^2/NDF: 656418250248.5

- sign -1.625+/-0.000 χ^2/NDF: 349088969307.7/46

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

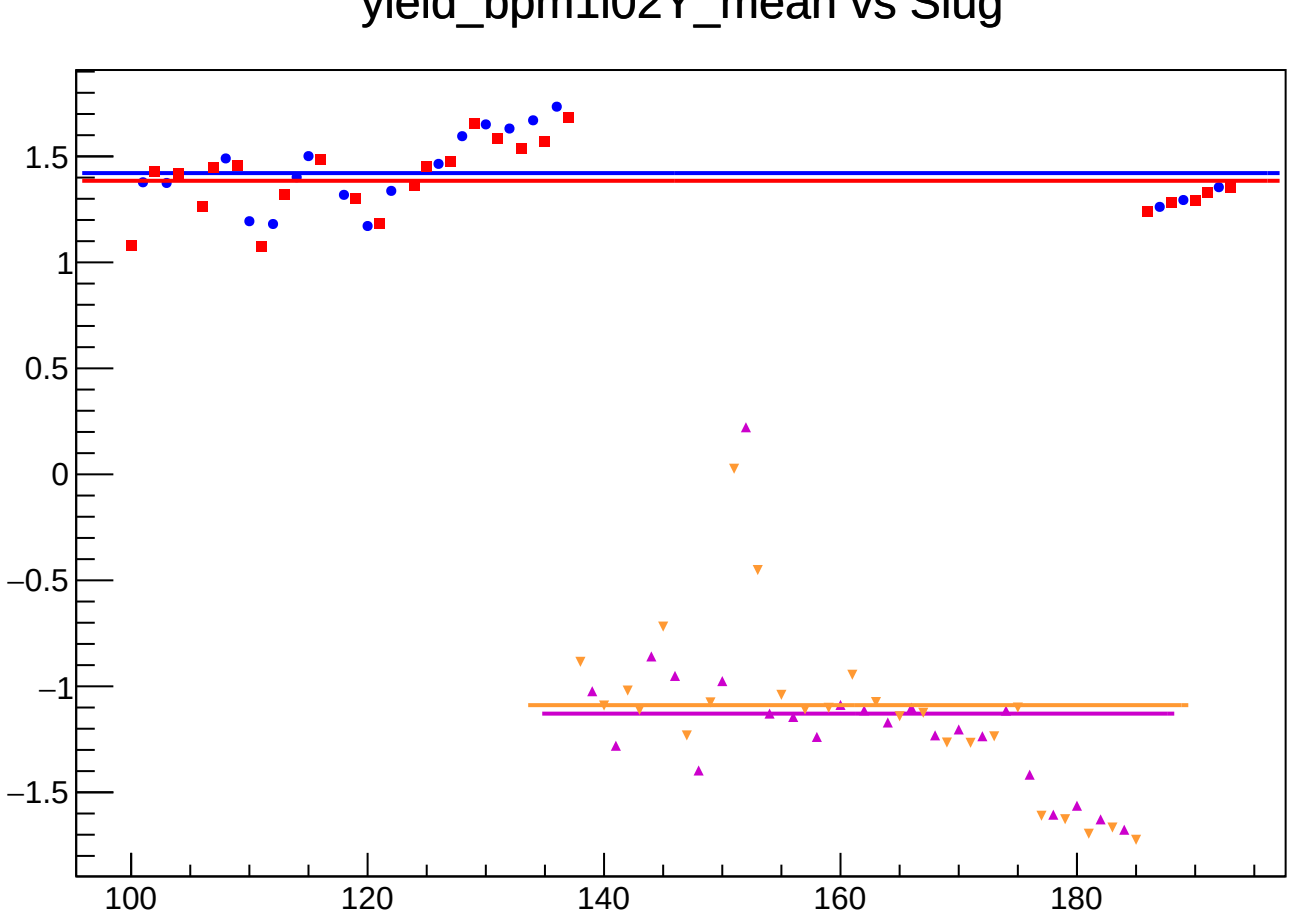
Right Out: 0.010+/-0.000 χ^2/NDF: 220501.6/23

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: 5104373.1/90

- sign 0.009+/-0.000 χ^2/NDF: 2579042.3/46



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: 1.385+/-0.000 χ^2/NDF: 3359816520.8/23

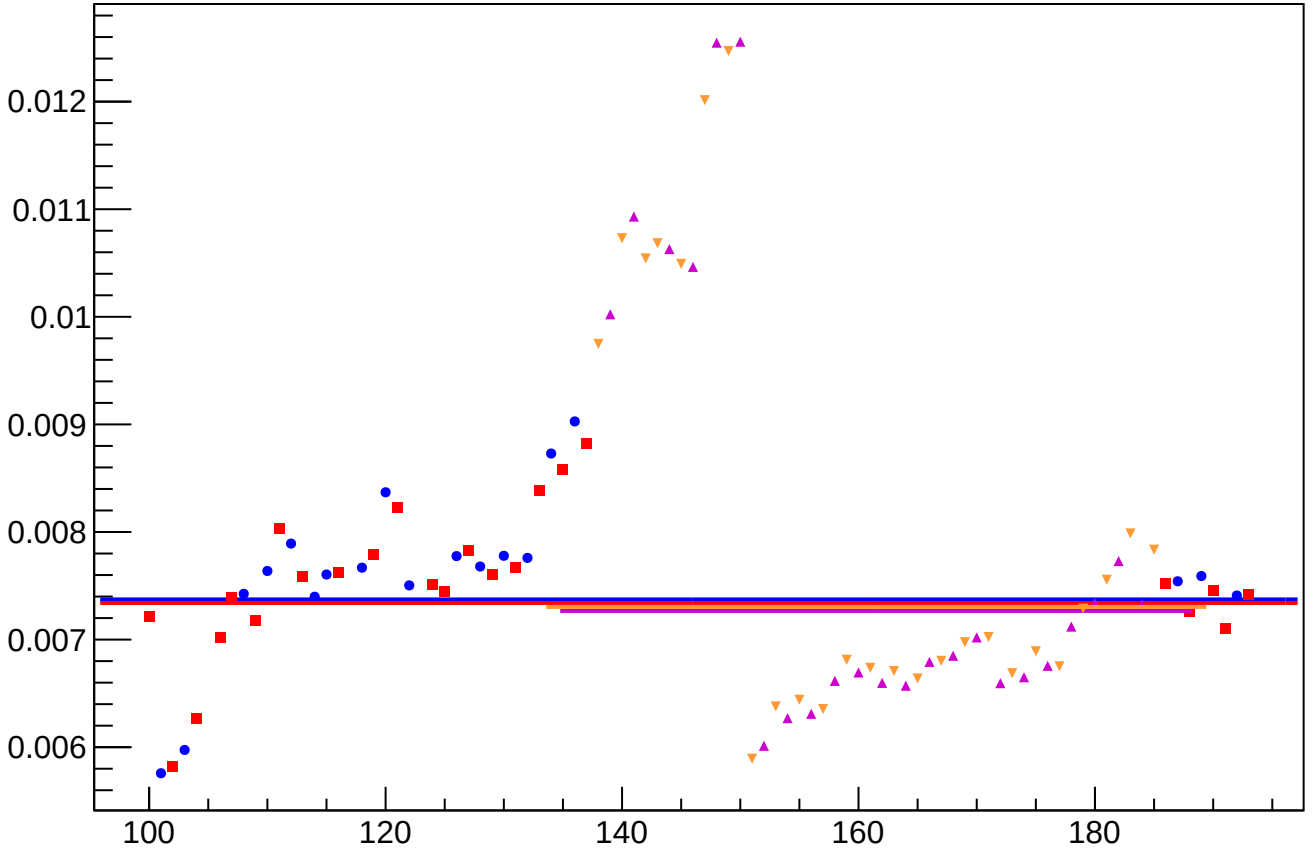
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.294+/-0.000 χ^2/NDF: 756650304279.1/43

All: -0.257+/-0.000 χ^2/NDF: 1574932952435

- sign -0.221+/-0.000 χ^2/NDF: 816943689540.3/46

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: 197011.7/23

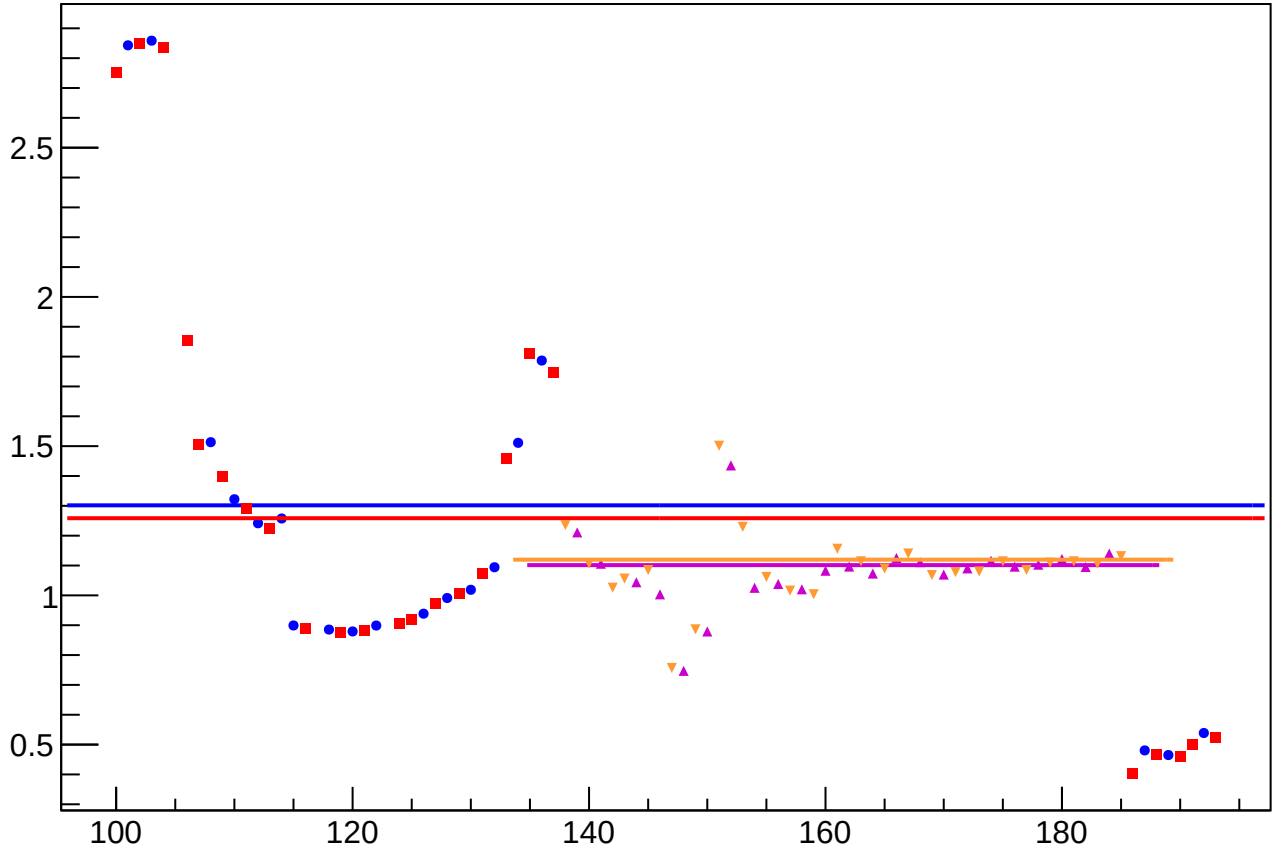
Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1777268.3/43

All: 0.007+/-0.000 χ^2/NDF: 3536231.5/90

- sign 0.007+/-0.000 χ^2/NDF: 1758419.9/46

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: 1.259+/-0.000 χ^2/NDF: 75425784724.5/23

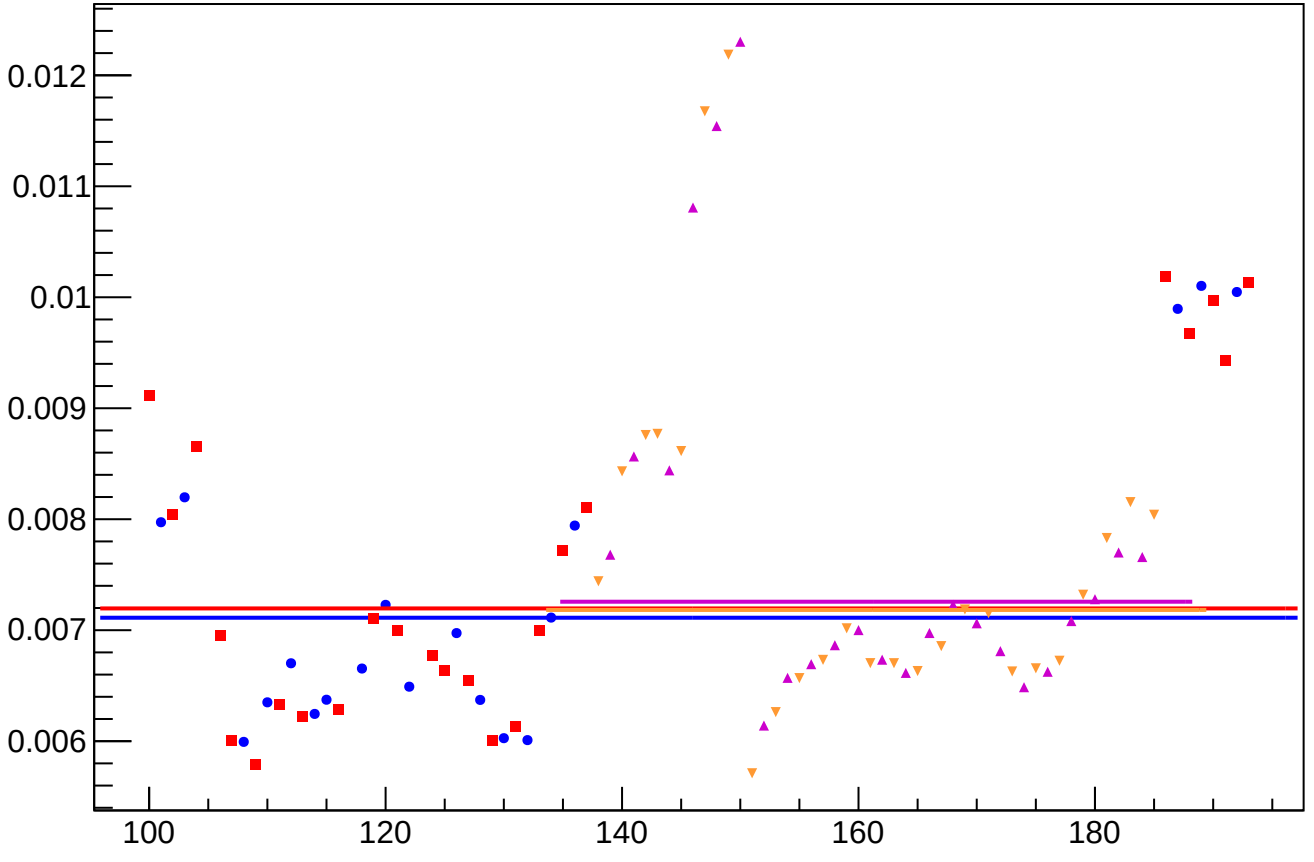
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.178+/-0.000 χ^2/NDF: 79580913609.2/43

All: 1.169+/-0.000 χ^2/NDF: 162300055584.1

- sign 1.158+/-0.000 χ^2/NDF: 82614759281.2/46

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

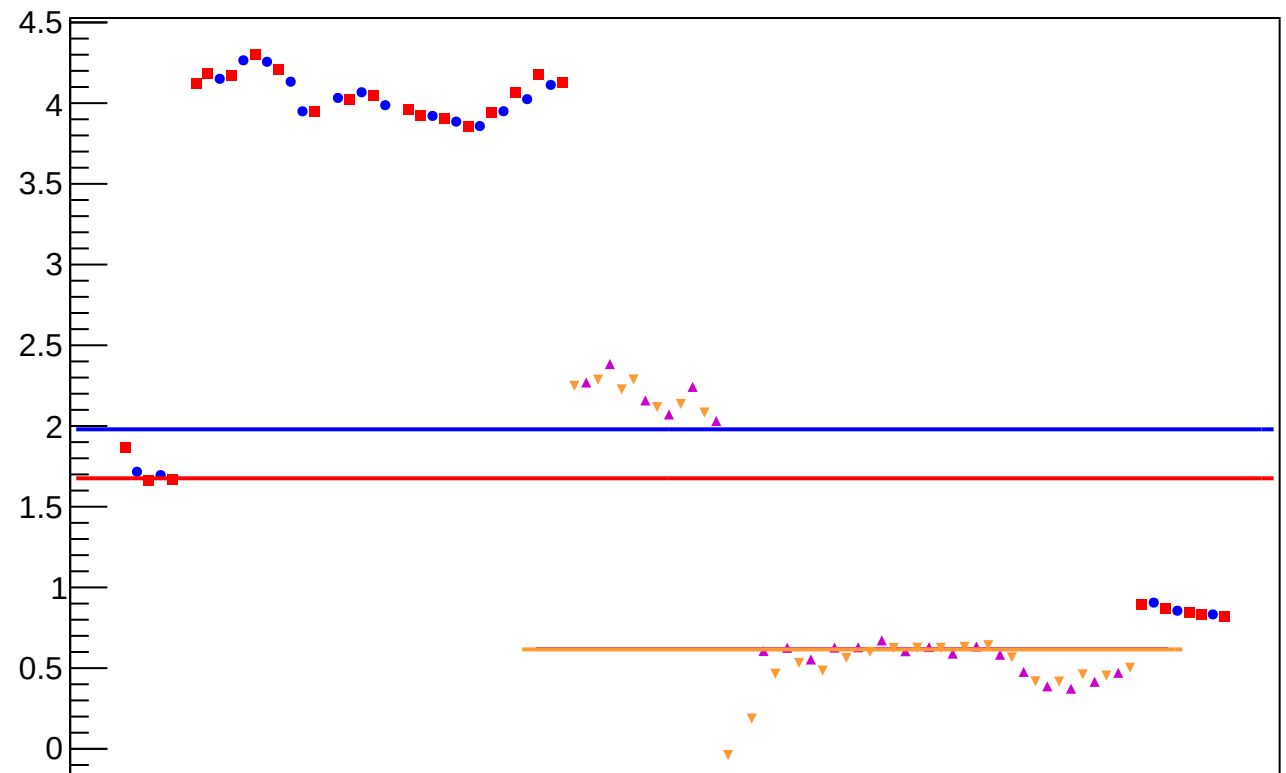
Right Out: 0.007+/-0.000 χ^2/NDF: 671679.4/23

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: 2970025.1/90

- sign 0.007+/-0.000 χ^2/NDF: 1589260.2/46



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: 1.676+/-0.000 χ^2/NDF: 1521657970338.6/23

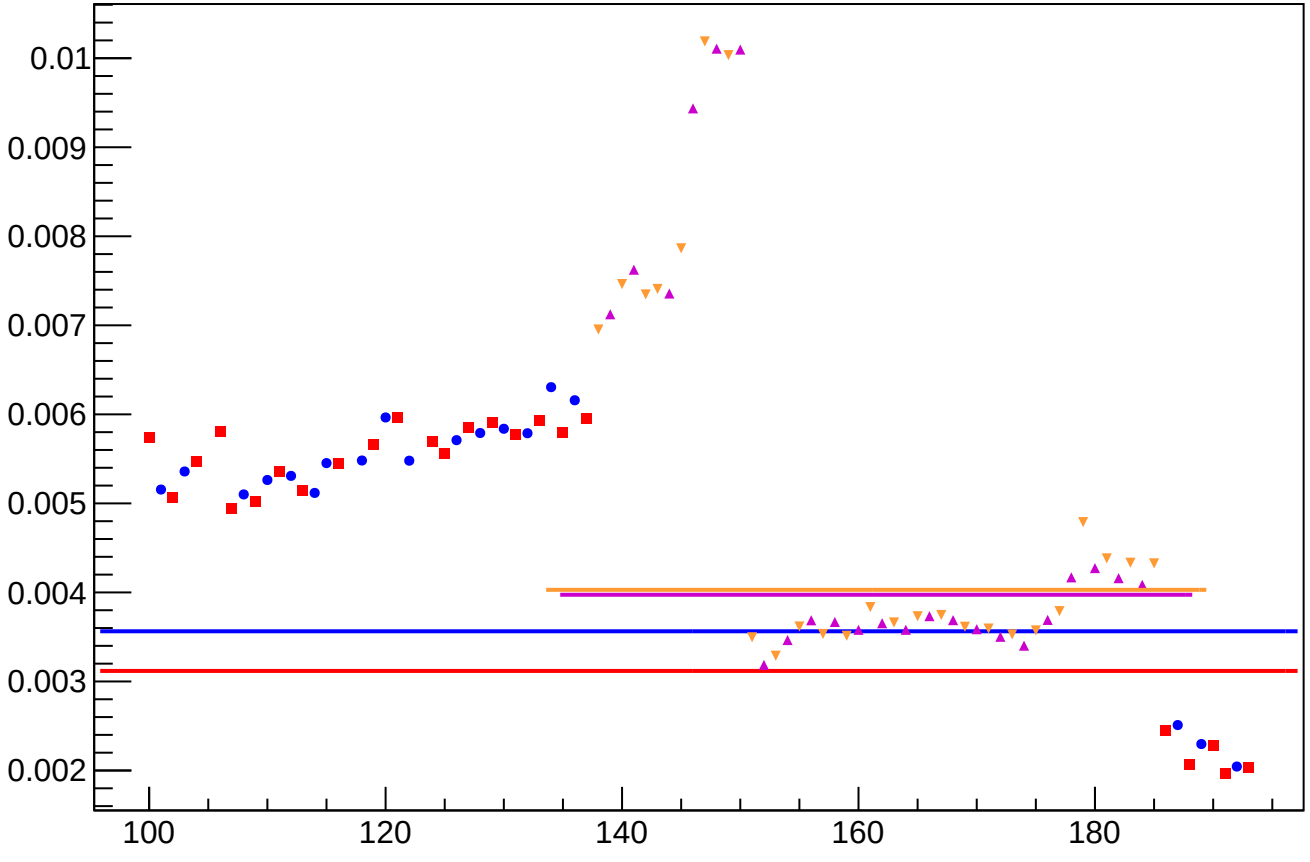
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.087+/-0.000 χ^2/NDF: 2154068606754.9/43

All: 1.086+/-0.000 χ^2/NDF: 4436601334549.

- sign 1.085+/-0.000 χ^2/NDF: 2282525687162.6/46

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

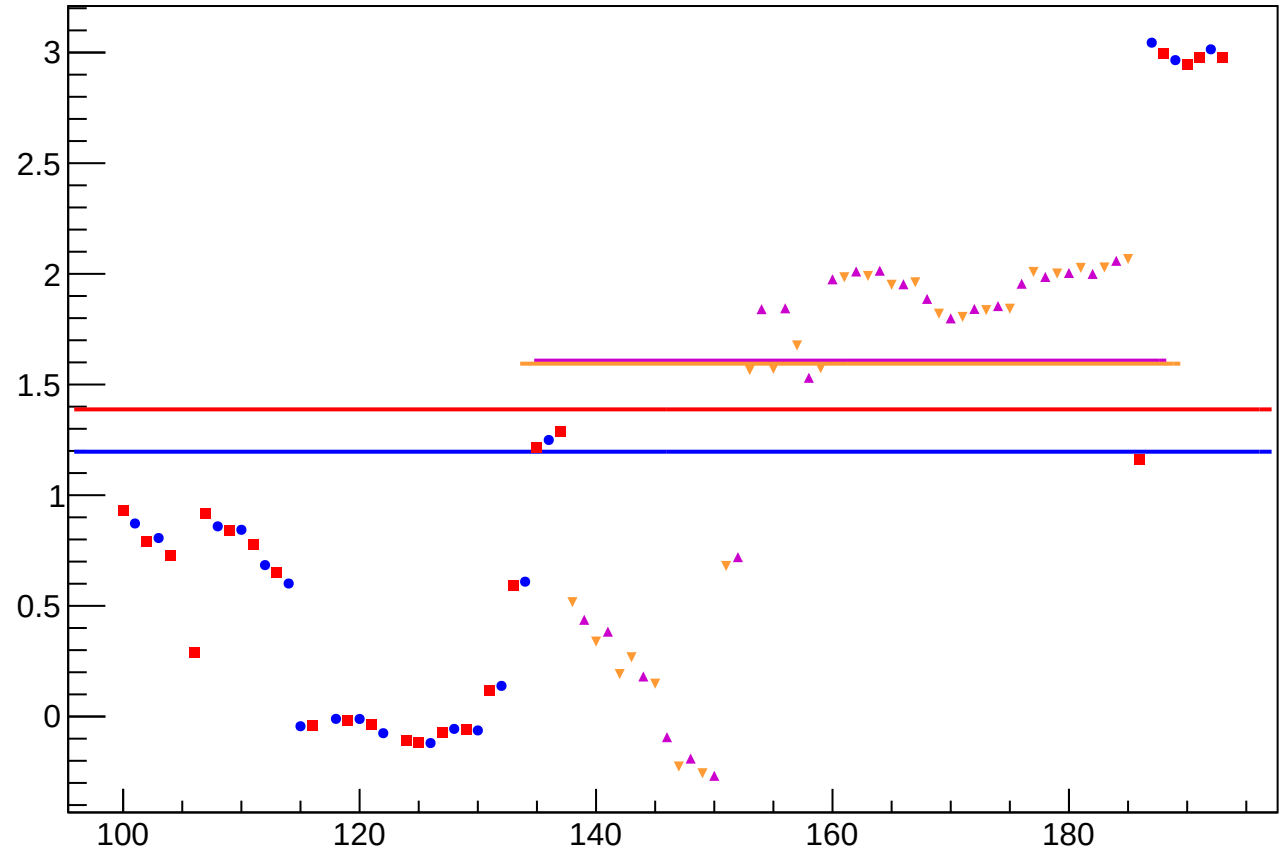
Right Out: 0.003+/-0.000 χ^2/NDF: 3990626.8/23

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: 14276730.2/90

- sign 0.004+/-0.000 χ^2/NDF: 7775427.8/46



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: 1.388+/-0.000 χ^2/NDF: 94034510908.2/23

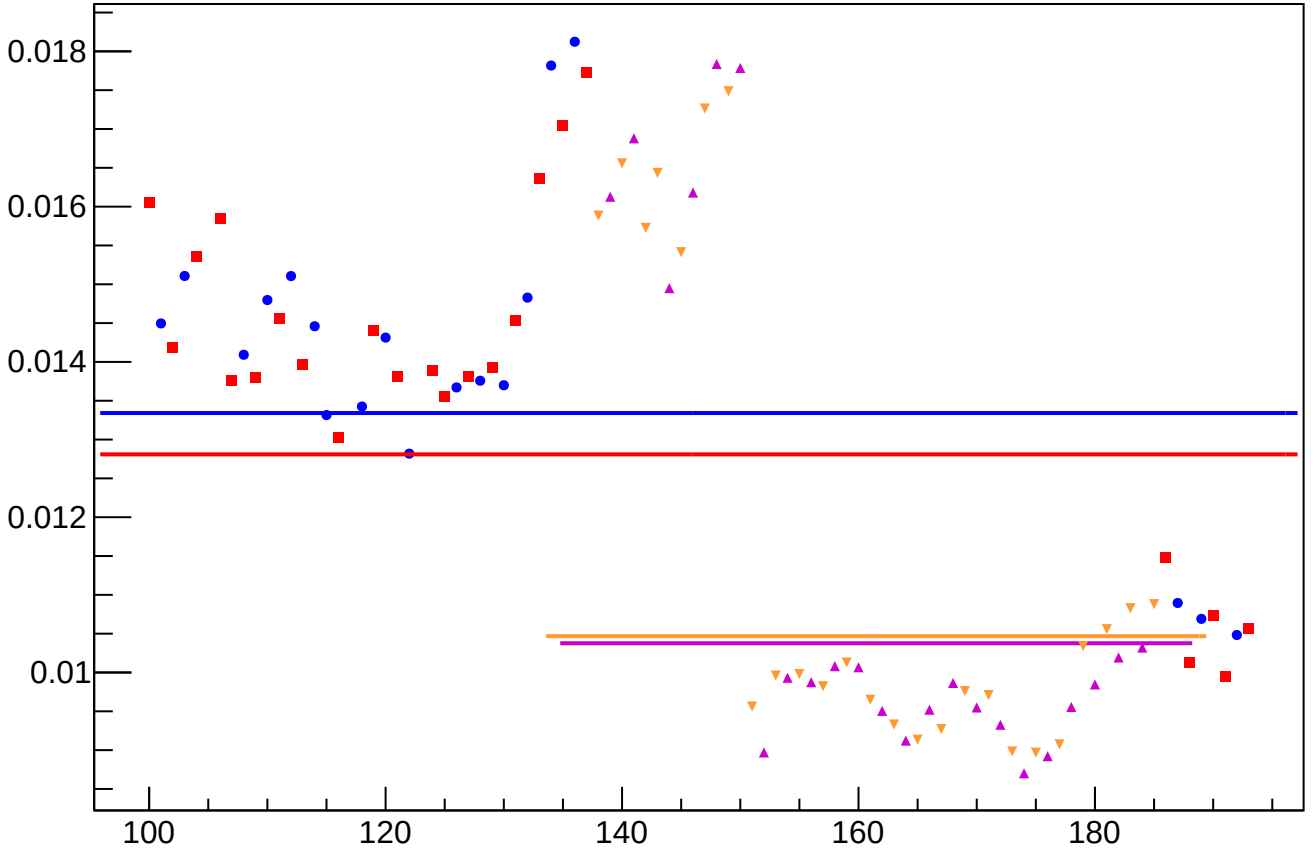
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.505+/-0.000 χ^2/NDF: 145949952851.0/43

All: 1.527+/-0.000 χ^2/NDF: 308700414961.9

- sign 1.549+/-0.000 χ^2/NDF: 162543366851.3/46

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: 547967.6/23

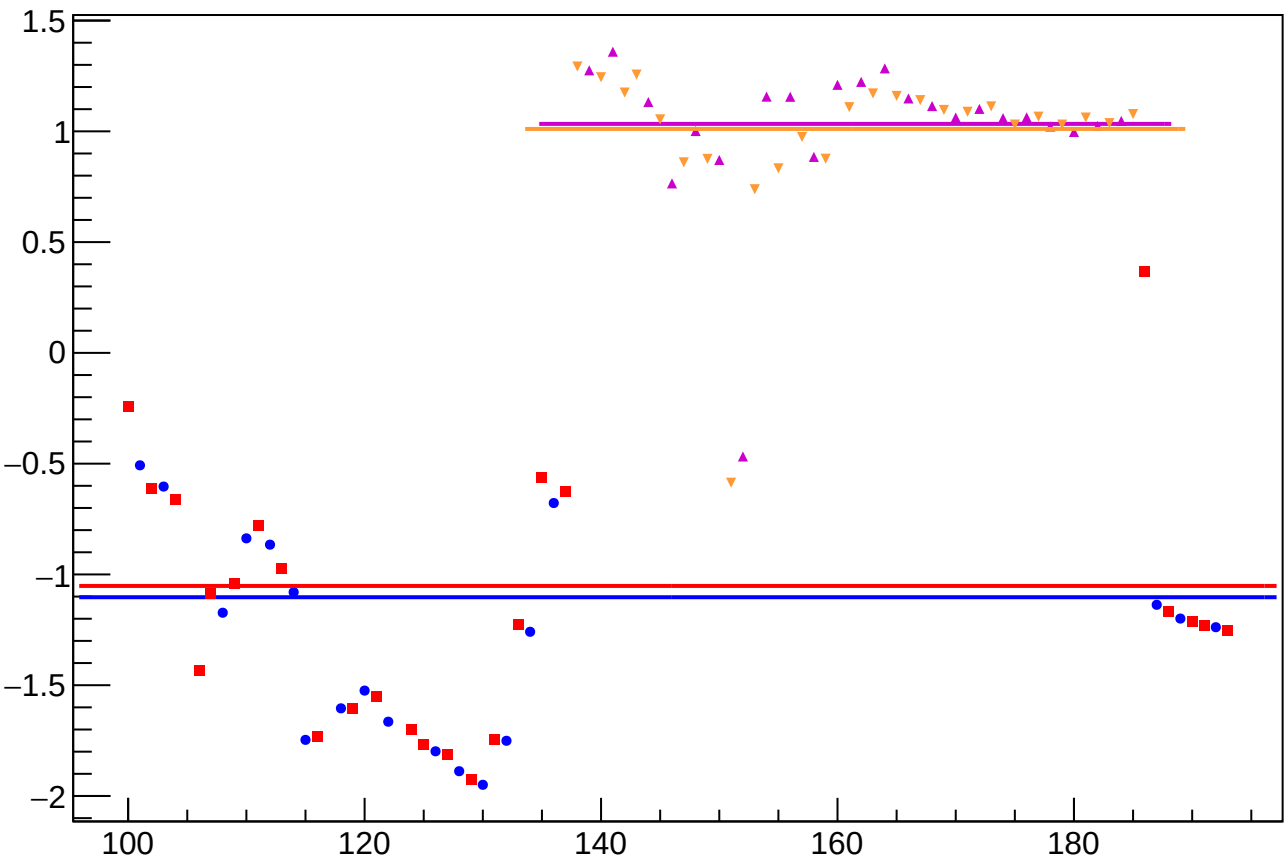
Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2738732.6/43

All: 0.011+/-0.000 χ^2/NDF: 5511724.8/90

- sign 0.011+/-0.000 χ^2/NDF: 2771625.2/46

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: -1.052+/-0.000 χ^2/NDF: 68018273282.5/23

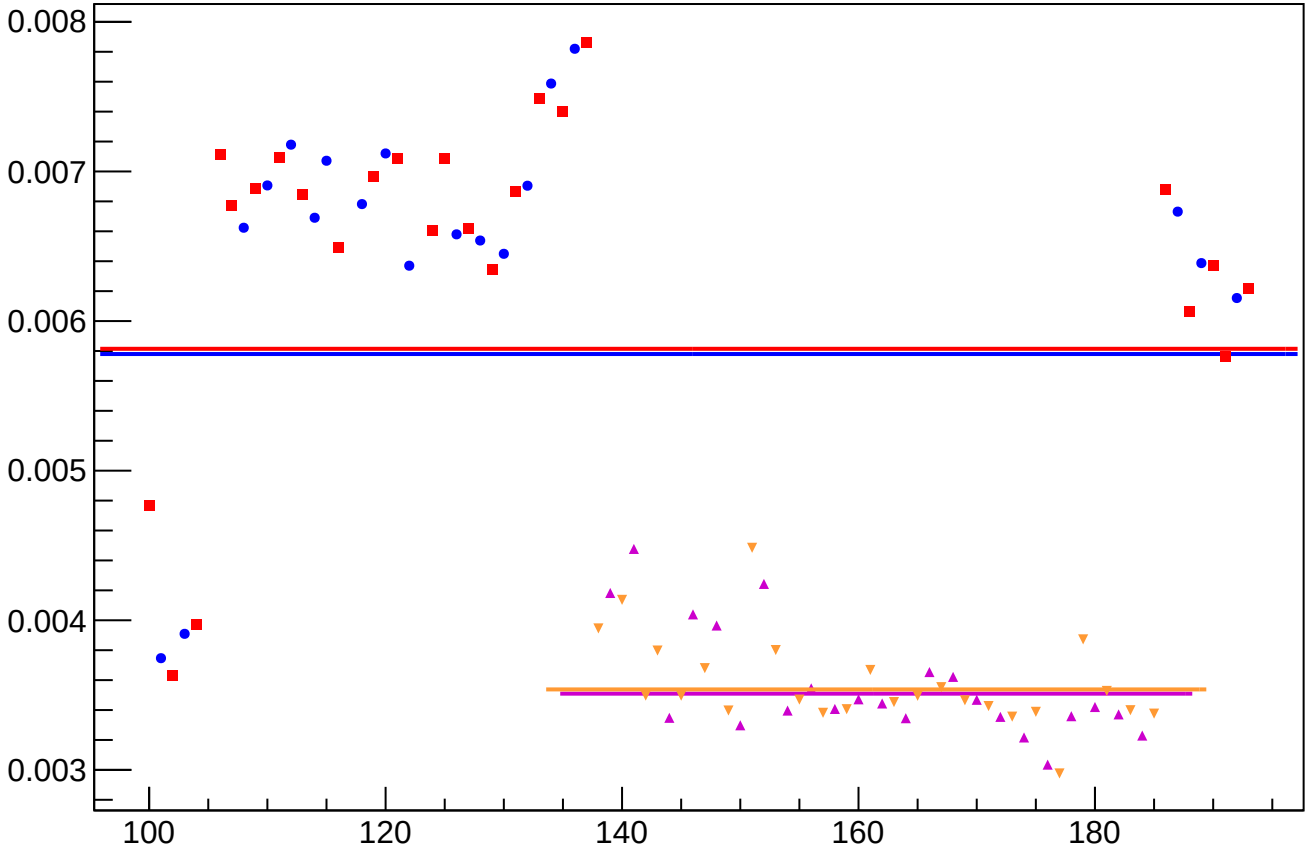
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.704+/-0.000 χ^2/NDF: 1082711879075.9/43

All: 0.696+/-0.000 χ^2/NDF: 2248810993005.

- sign 0.687+/-0.000 χ^2/NDF: 1165862147330.4/46

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: 1020645.6/23

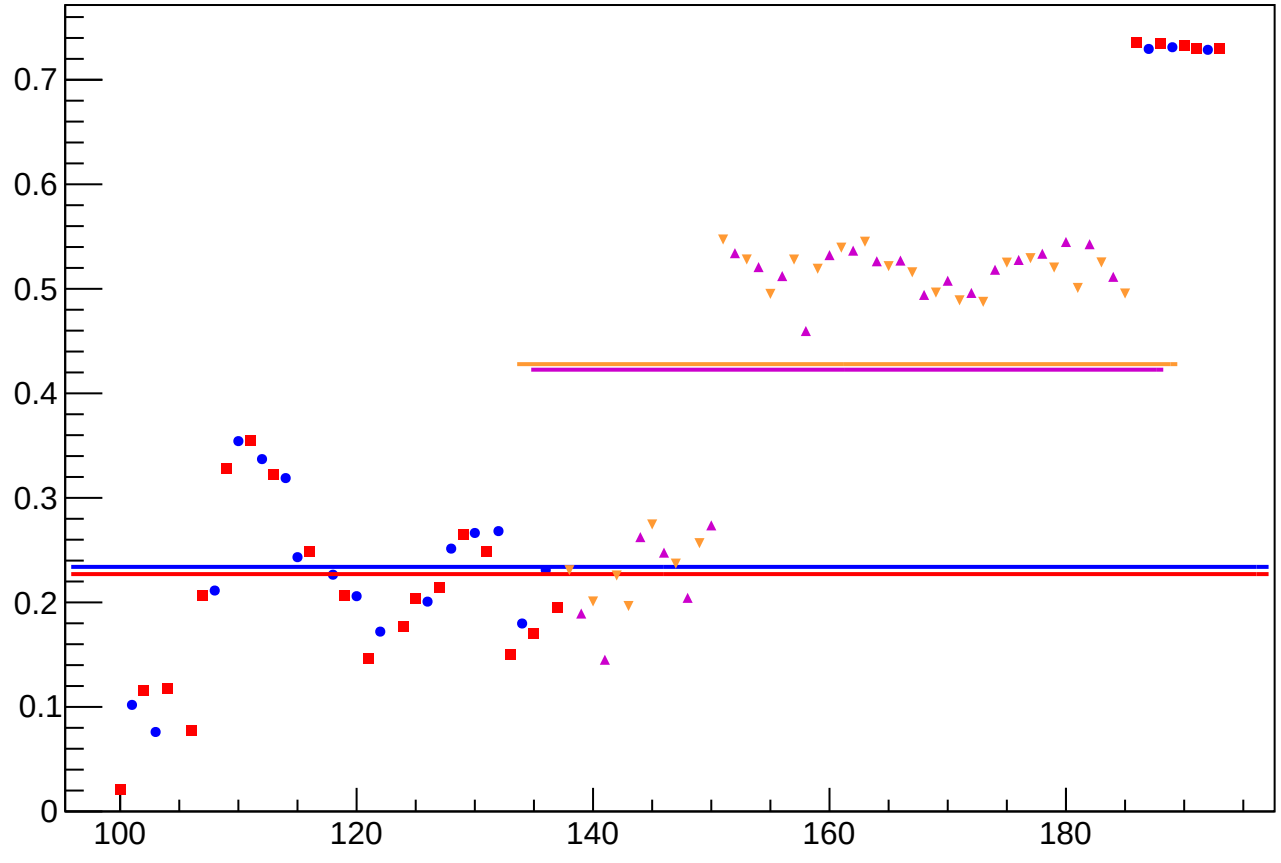
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 3237502.6/43

All: 0.004+/-0.000 χ^2/NDF: 6920499.2/90

- sign 0.004+/-0.000 χ^2/NDF: 3681589.5/46

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: 0.227+/-0.000 χ^2/NDF: 67513324107.5/23

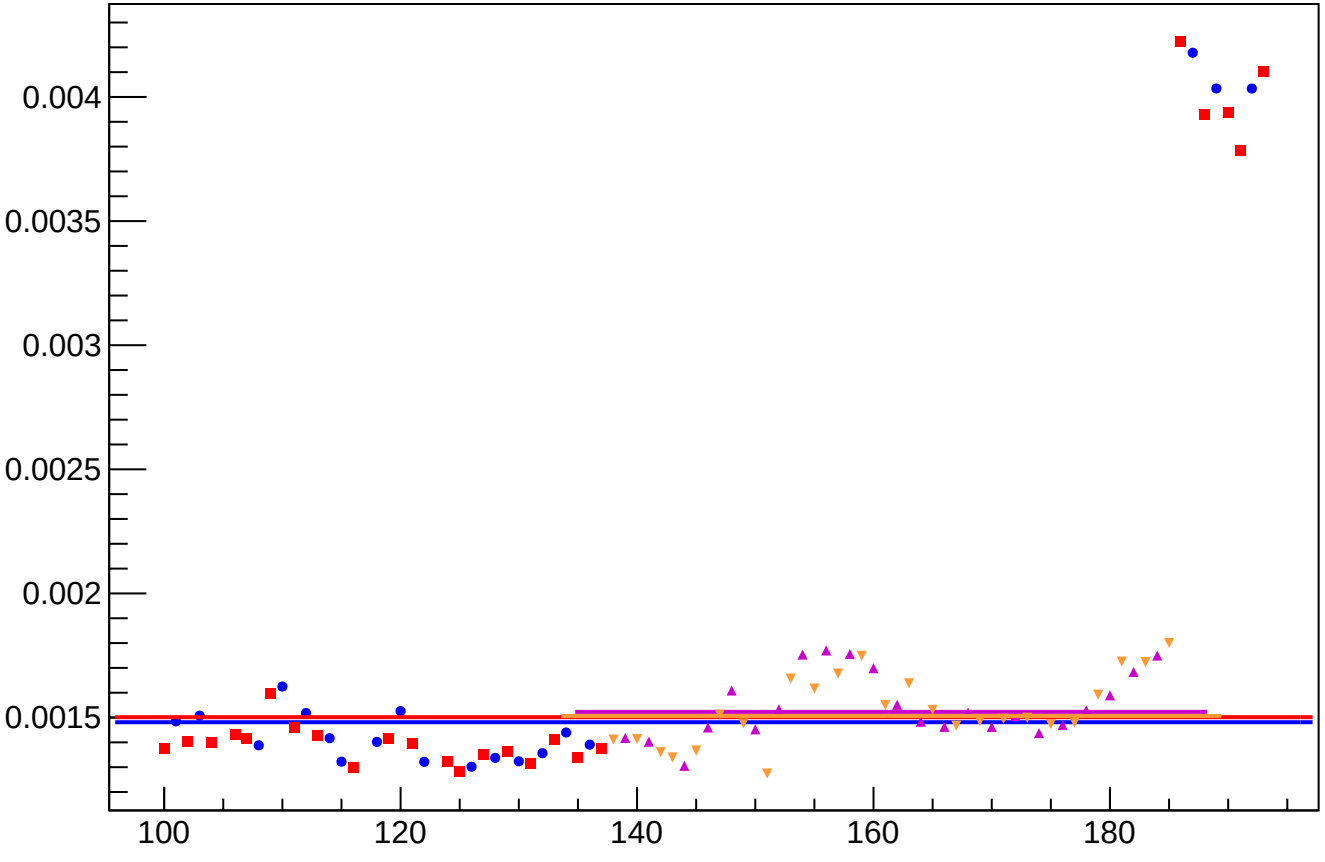
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.370+/-0.000 χ^2/NDF: 291424430234.4/43

All: 0.363+/-0.000 χ^2/NDF: 618359226792.5

- sign 0.356+/-0.000 χ^2/NDF: 325910770565.4/46

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

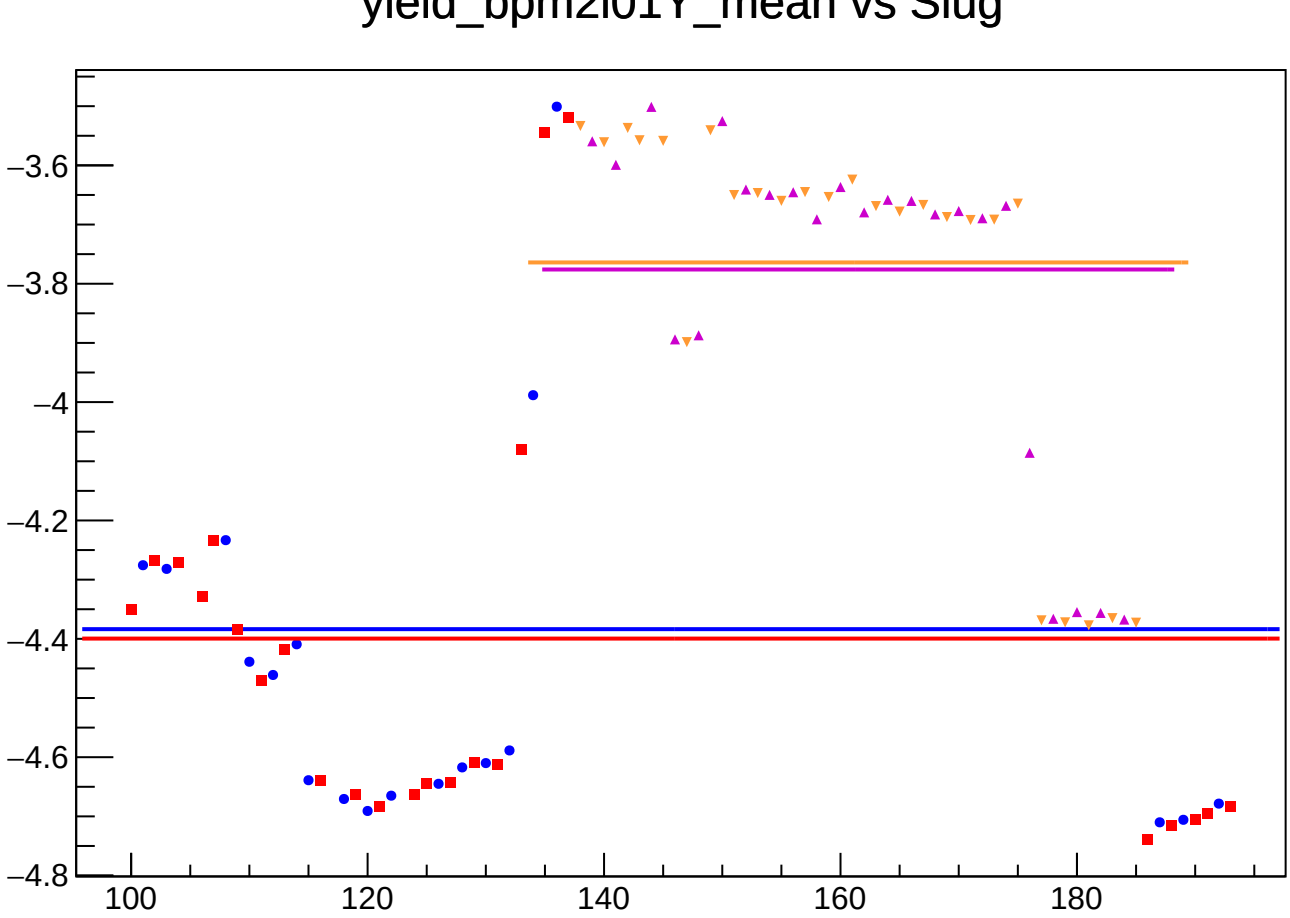
Right Out: 0.002+/-0.000 χ^2/NDF: 2247277.3/23

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: 4208242.9/90

- sign 0.002+/-0.000 χ^2/NDF: 2484371.6/46



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: -4.400+/-0.000 χ^2/NDF: 323645509933.2/23

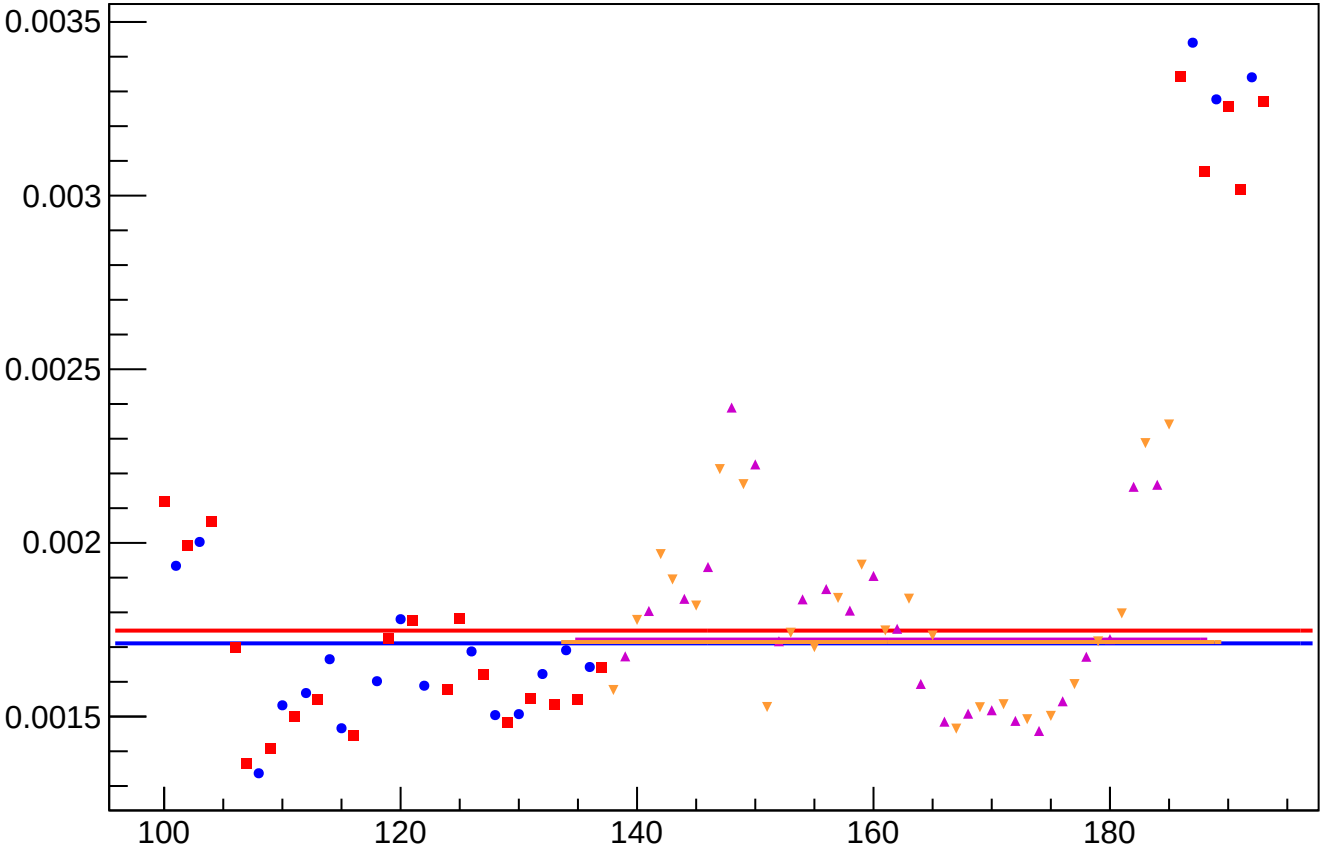
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.953+/-0.000 χ^2/NDF: 1589038703000.3/4

All: -3.969+/-0.000 χ^2/NDF: 309719579238

- sign -3.986+/-0.000 χ^2/NDF: 1503174472792.2/46

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: 1379586.9/23

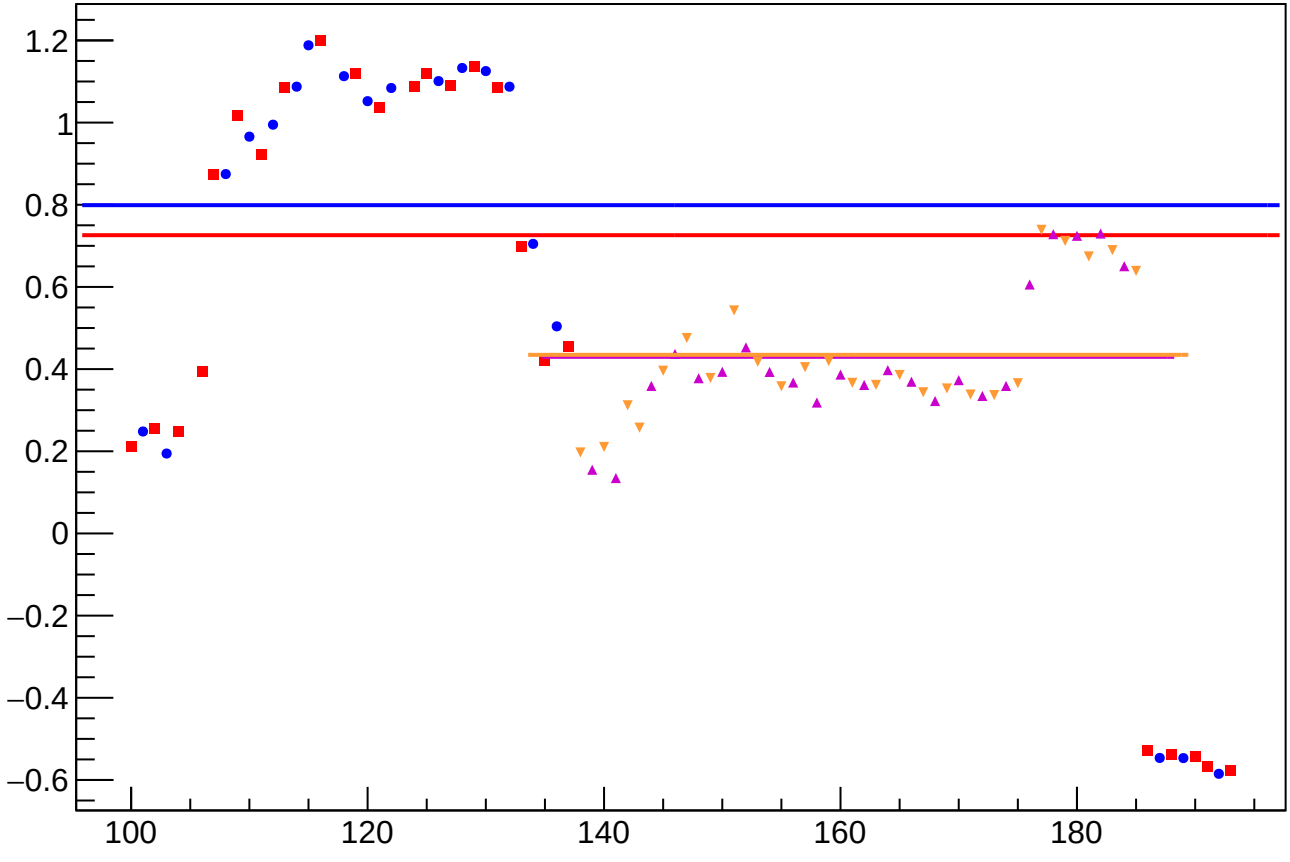
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 1513577.6/43

All: 0.002+/-0.000 χ^2/NDF: 3480296.0/90

- sign 0.002+/-0.000 χ^2/NDF: 1964136.9/46

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: 0.726+/-0.000 χ^2/NDF: 64784791046.5/23

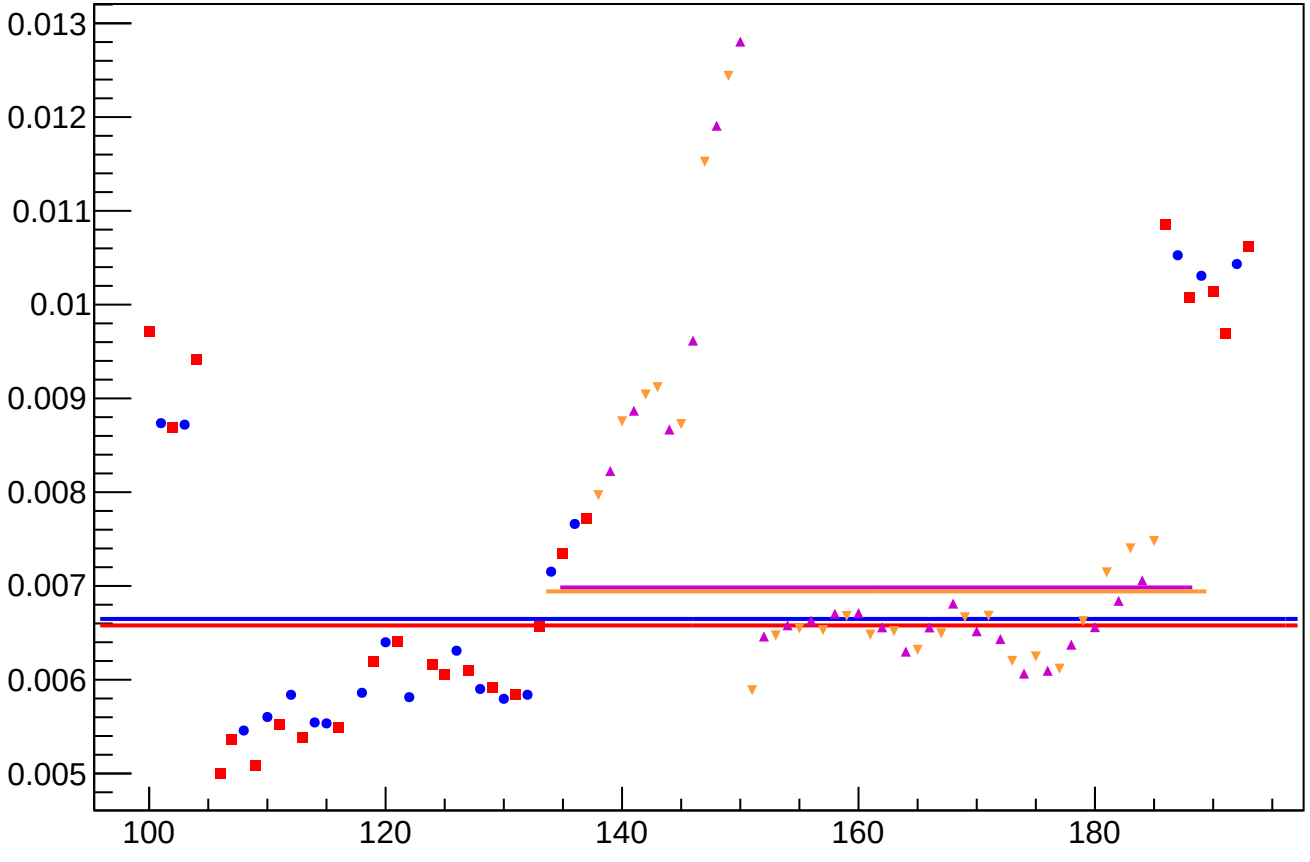
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.555+/-0.000 χ^2/NDF: 71753739420.4/43

All: 0.549+/-0.000 χ^2/NDF: 157655452851.9

- sign 0.542+/-0.000 χ^2/NDF: 85852552964.3/46

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

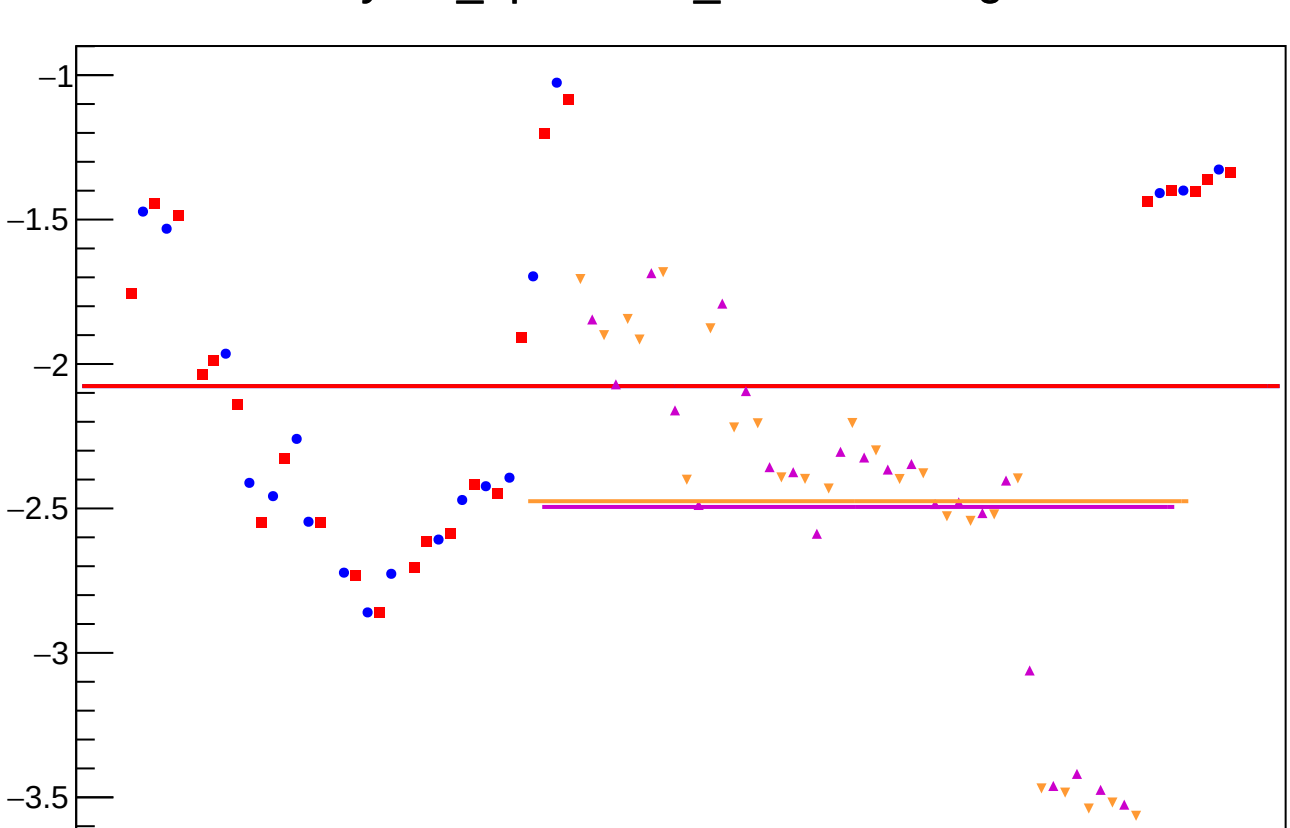
Right Out: 0.007+/-0.000 χ^2/NDF: 1239973.9/23

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: 4347832.4/90

- sign 0.007+/-0.000 χ^2/NDF: 2421447.6/46



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: -2.076+/-0.000 χ^2/NDF: 73622647222.2/23

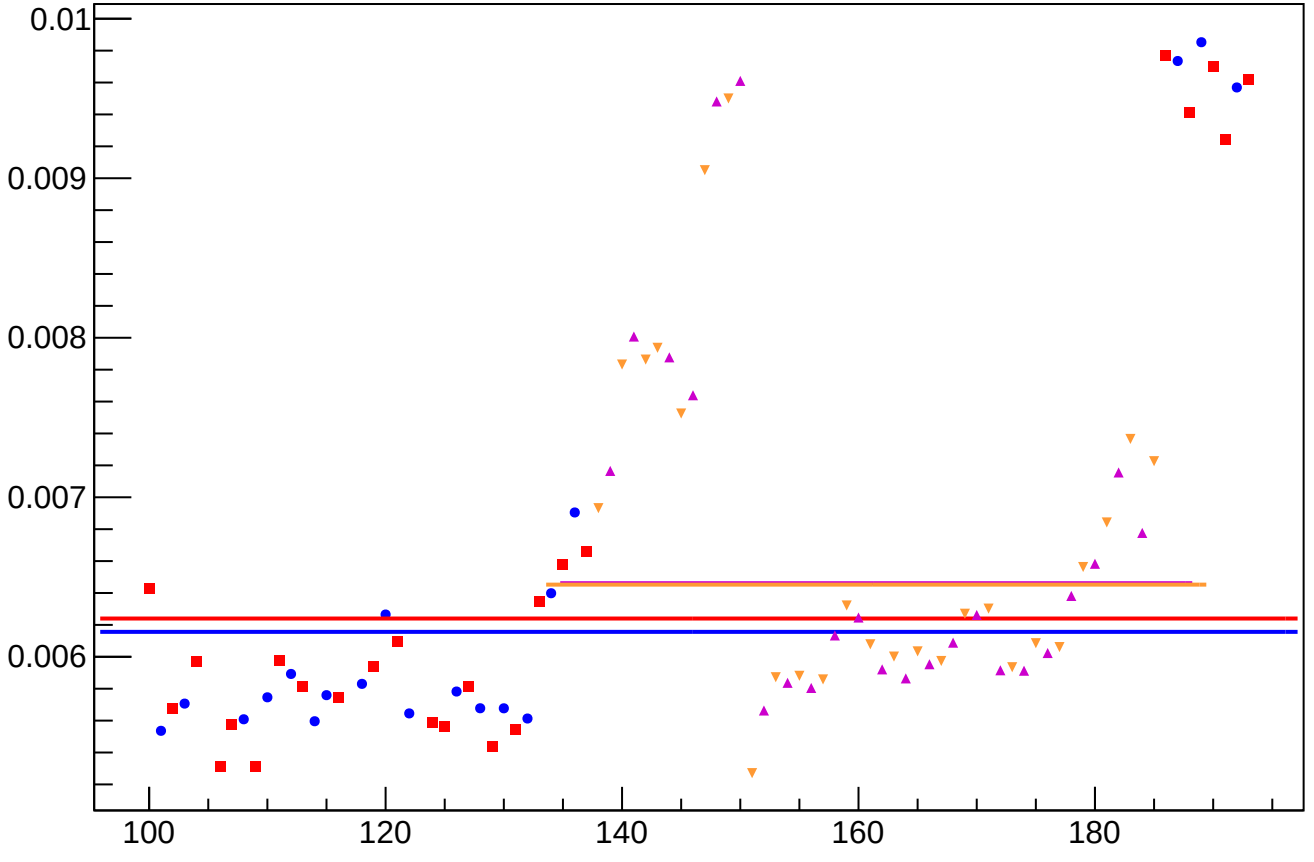
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.342+/-0.000 χ^2/NDF: 222695824619.5/43

All: -2.341+/-0.000 χ^2/NDF: 420868343141.1

- sign -2.340+/-0.000 χ^2/NDF: 198171188675.4/46

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 540856.2/18

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

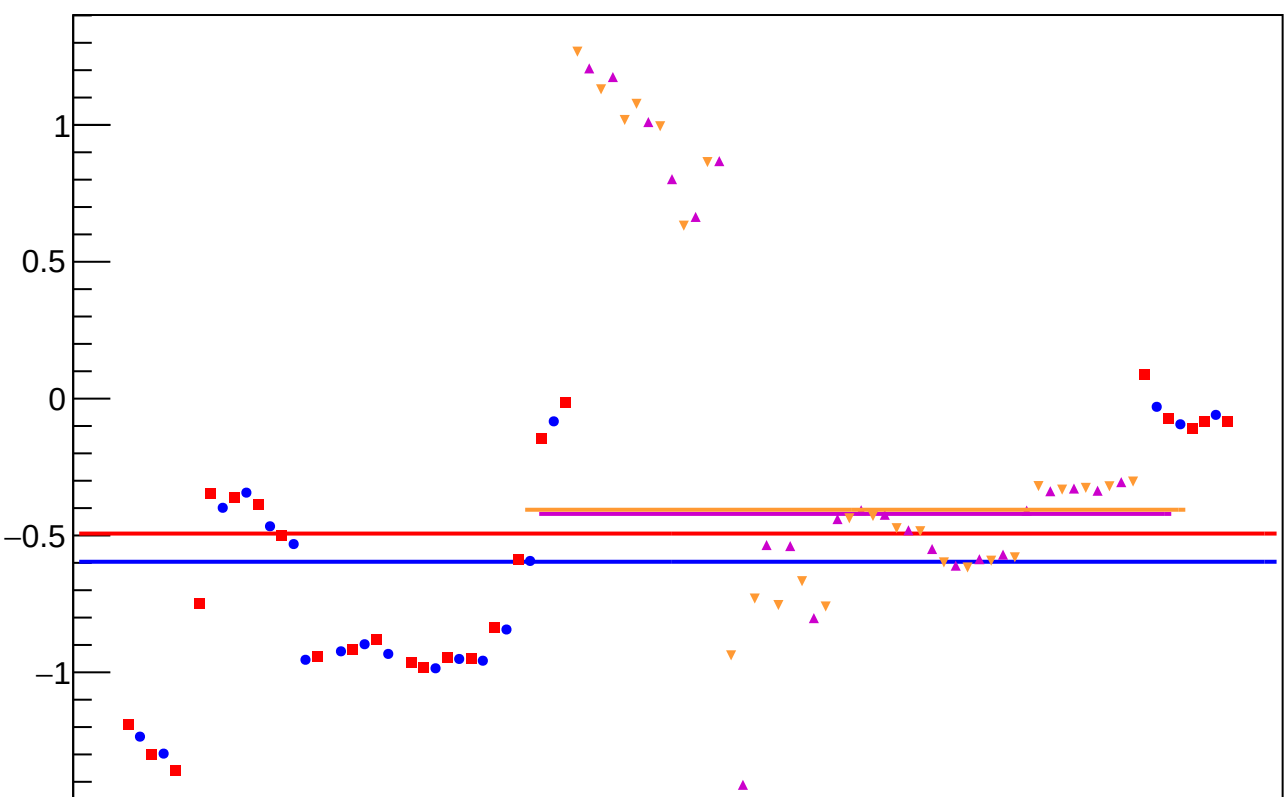
Right Out: 0.006+/-0.000 χ^2/NDF: 792382.6/23

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: 2809721.9/90

- sign 0.006+/-0.000 χ^2/NDF: 1528589.5/46



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: -0.493+/-0.000 χ^2/NDF: 23035010920.4/23

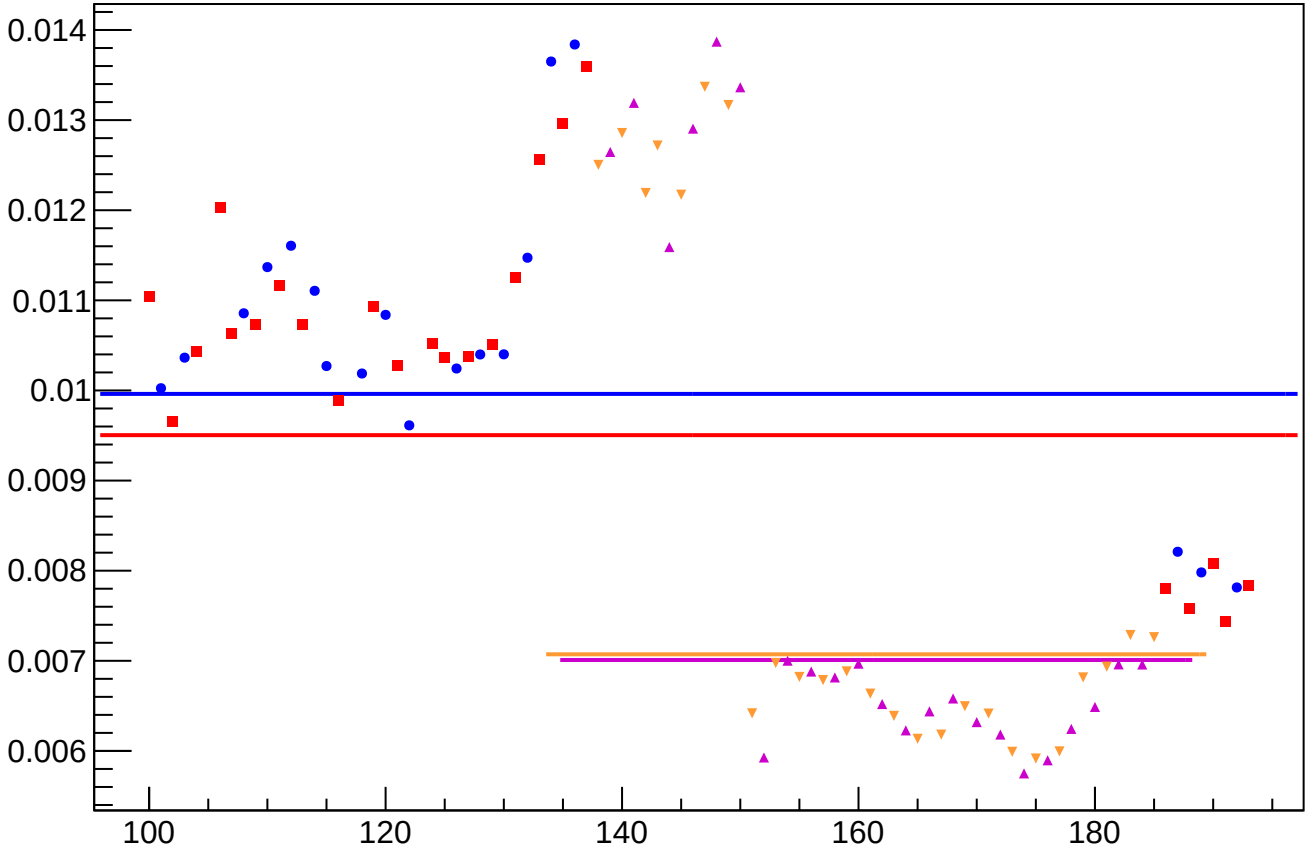
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.443+/-0.000 χ^2/NDF: 101944261059.0/43

All: -0.441+/-0.000 χ^2/NDF: 215646803093.2

- sign -0.438+/-0.000 χ^2/NDF: 113697752983.6/46

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

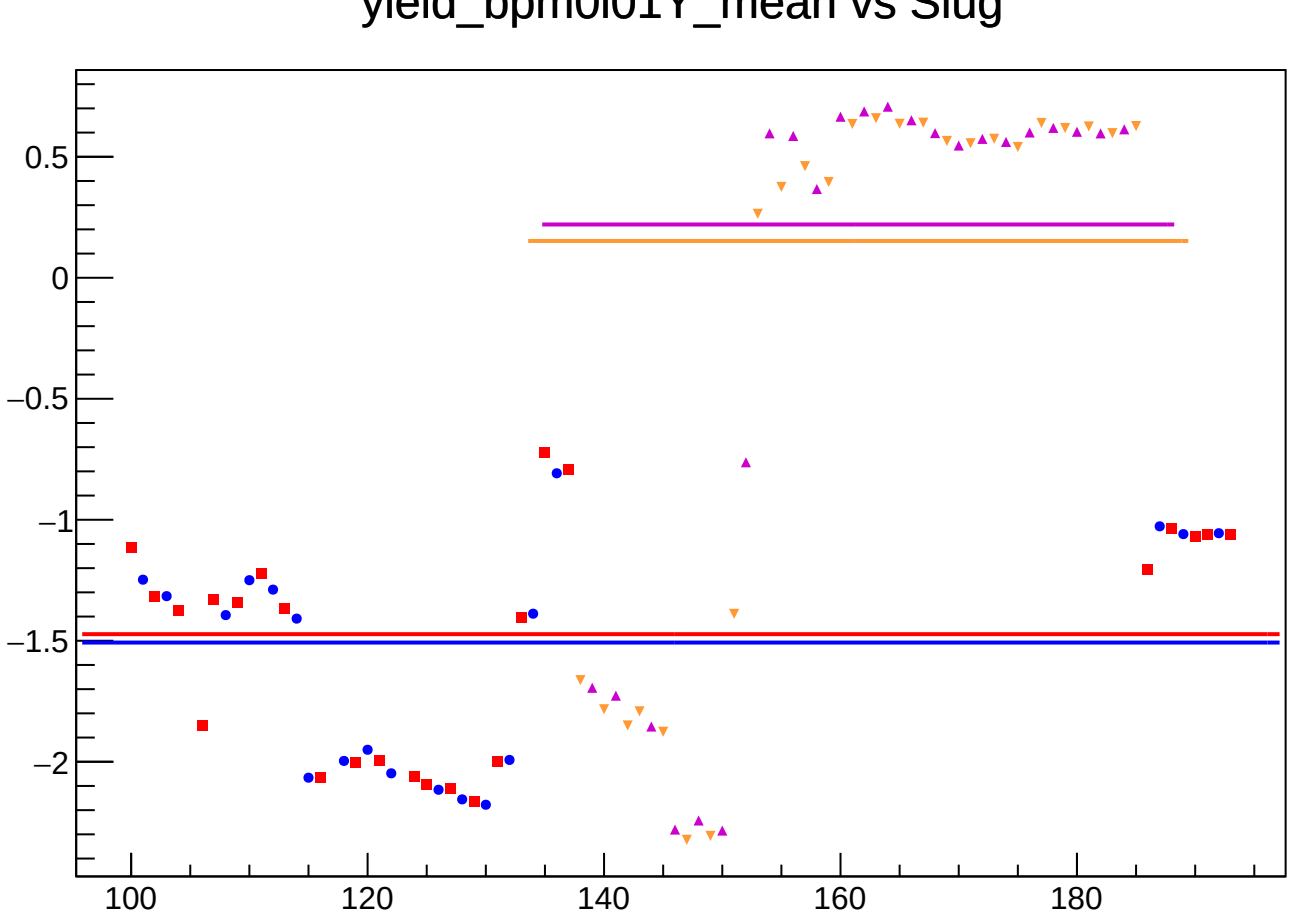
Right Out: 0.010+/-0.000 χ^2/NDF: 594536.8/23

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: 8086472.1/90

- sign 0.008+/-0.000 χ^2/NDF: 4065489.2/46



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: -1.473+/-0.000 χ^2/NDF: 166168930862.9/23

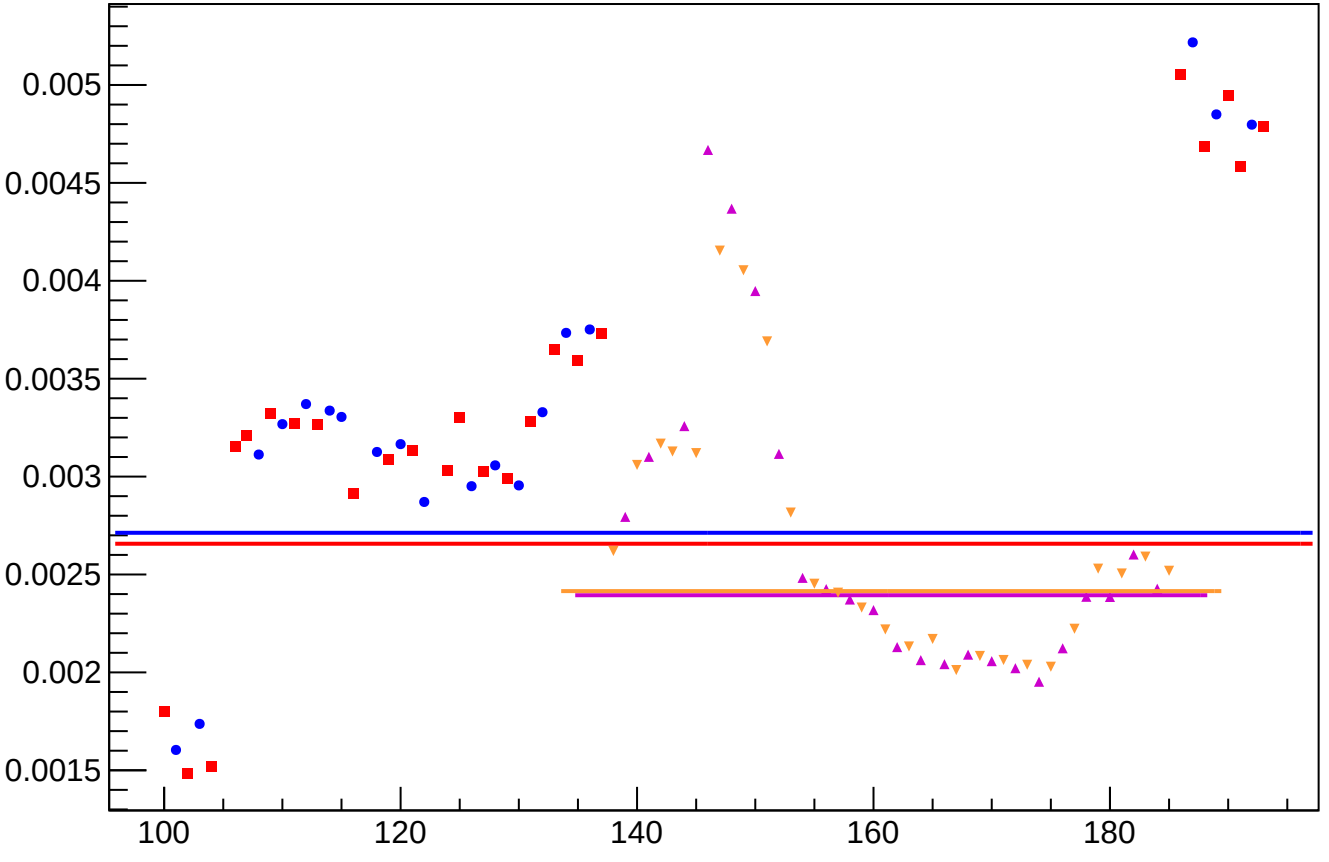
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.270+/-0.000 χ^2/NDF: 4625526570164.9/4

All: -0.269+/-0.000 χ^2/NDF: 9223526191847

- sign -0.269+/-0.000 χ^2/NDF: 4597999073931.2/46

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

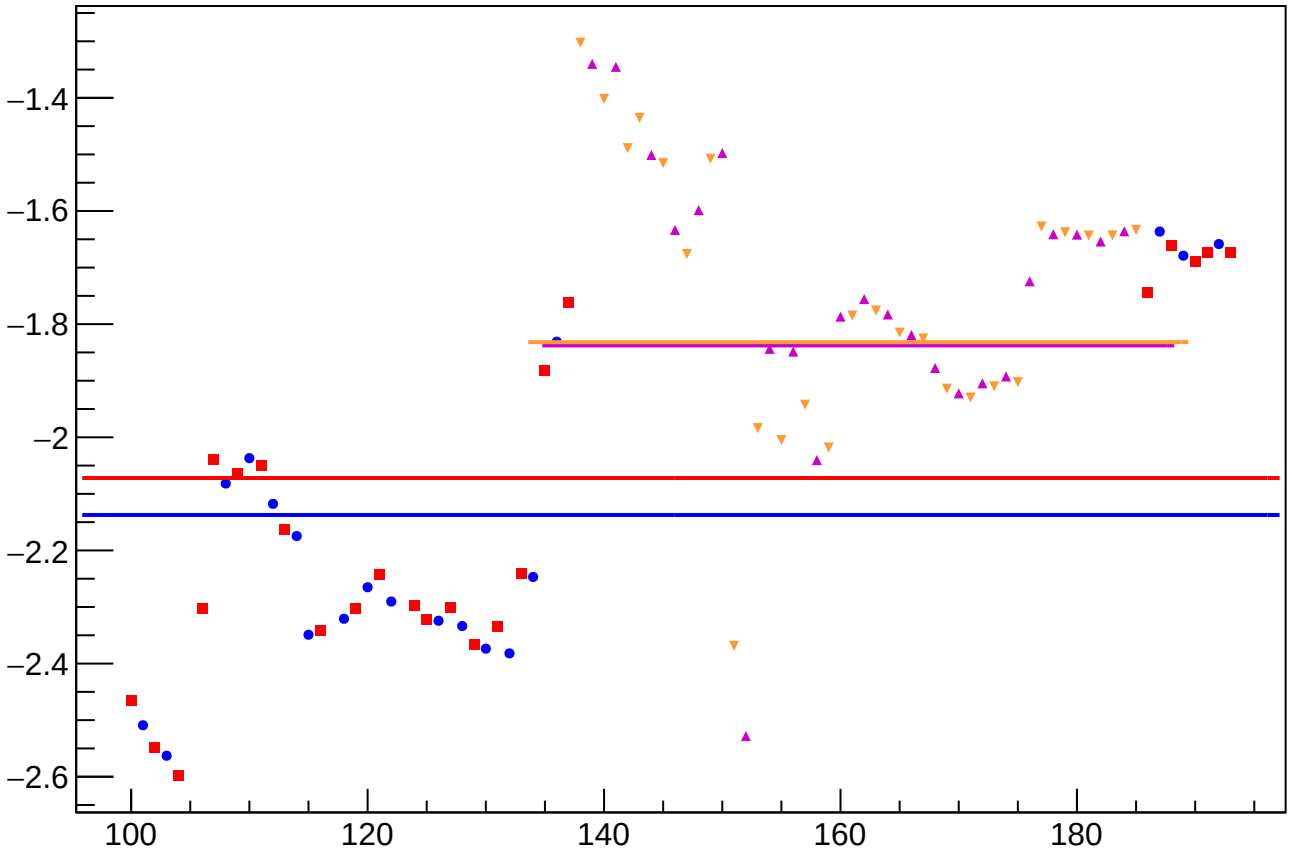
Right Out: 0.003+/-0.000 χ^2/NDF: 2723972.5/23

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: 7451824.7/90

- sign 0.002+/-0.000 χ^2/NDF: 4245034.9/46



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: -2.072+/-0.000 χ^2/NDF: 29317752981.0/23

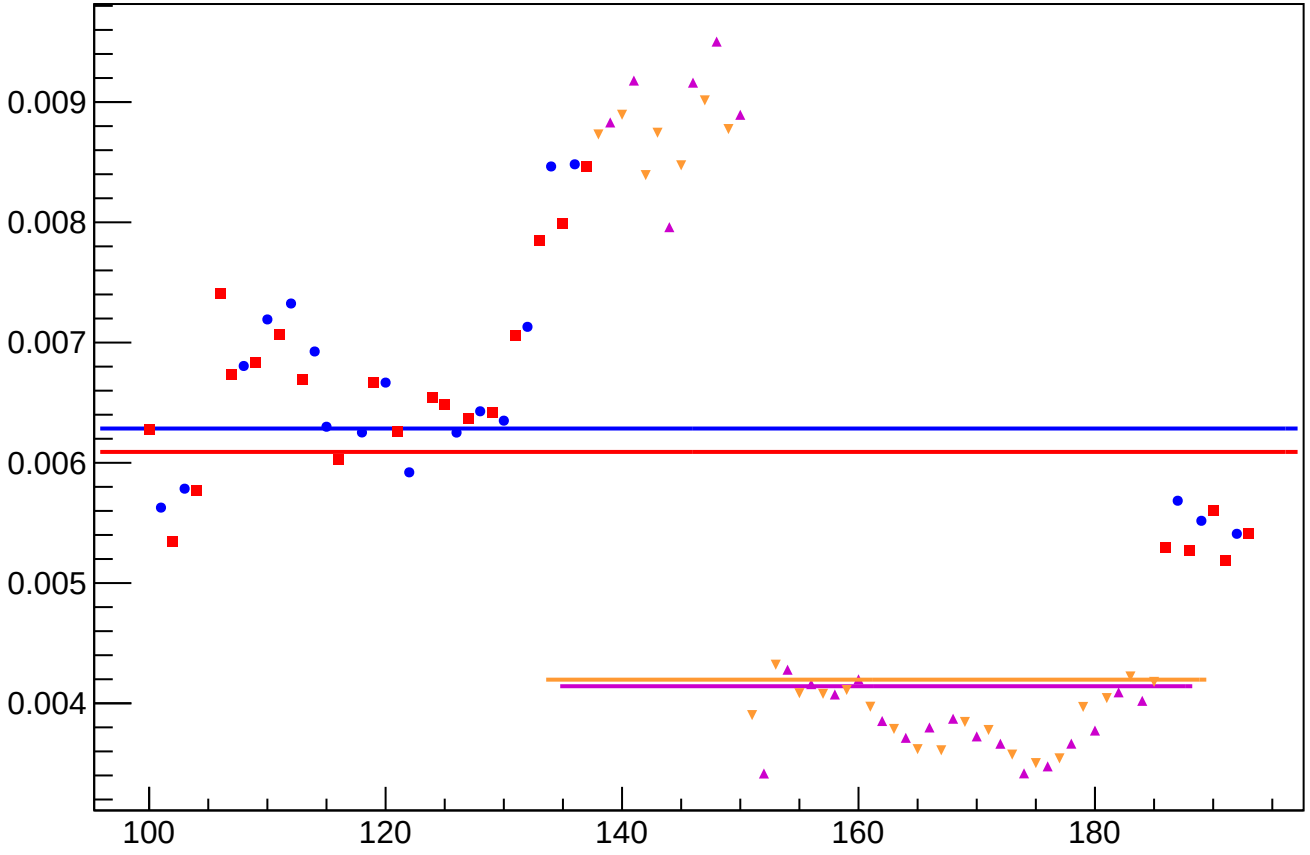
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.887+/-0.000 χ^2/NDF: 77479479811.5/43

All: -1.888+/-0.000 χ^2/NDF: 171469410053.0

- sign -1.889+/-0.000 χ^2/NDF: 93988685303.6/46

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 319693.0/18

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 352908.6/23

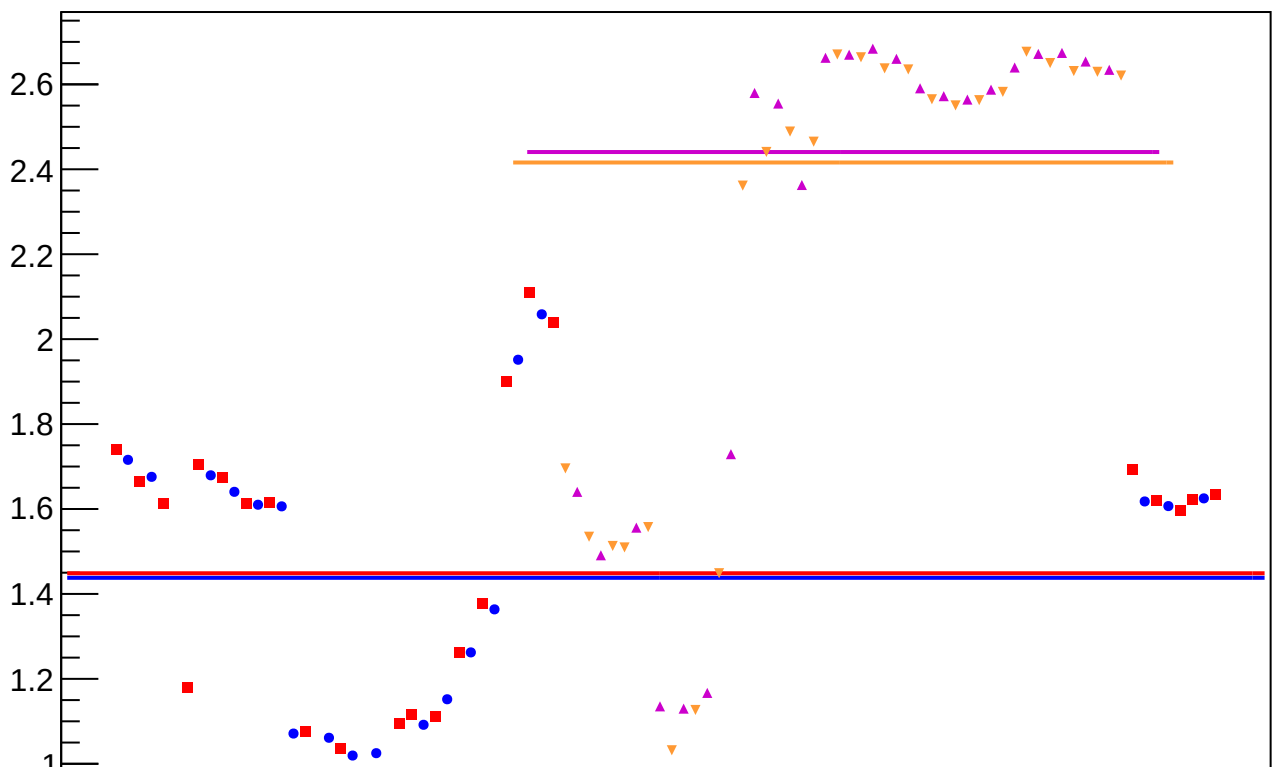
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 4950304.6/43

All: 0.005+/-0.000 χ^2/NDF: 10050533.9/90

- sign 0.005+/-0.000 χ^2/NDF: 5100140.0/46

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: 1.449+/-0.000 χ^2/NDF: 185804760494.8/23

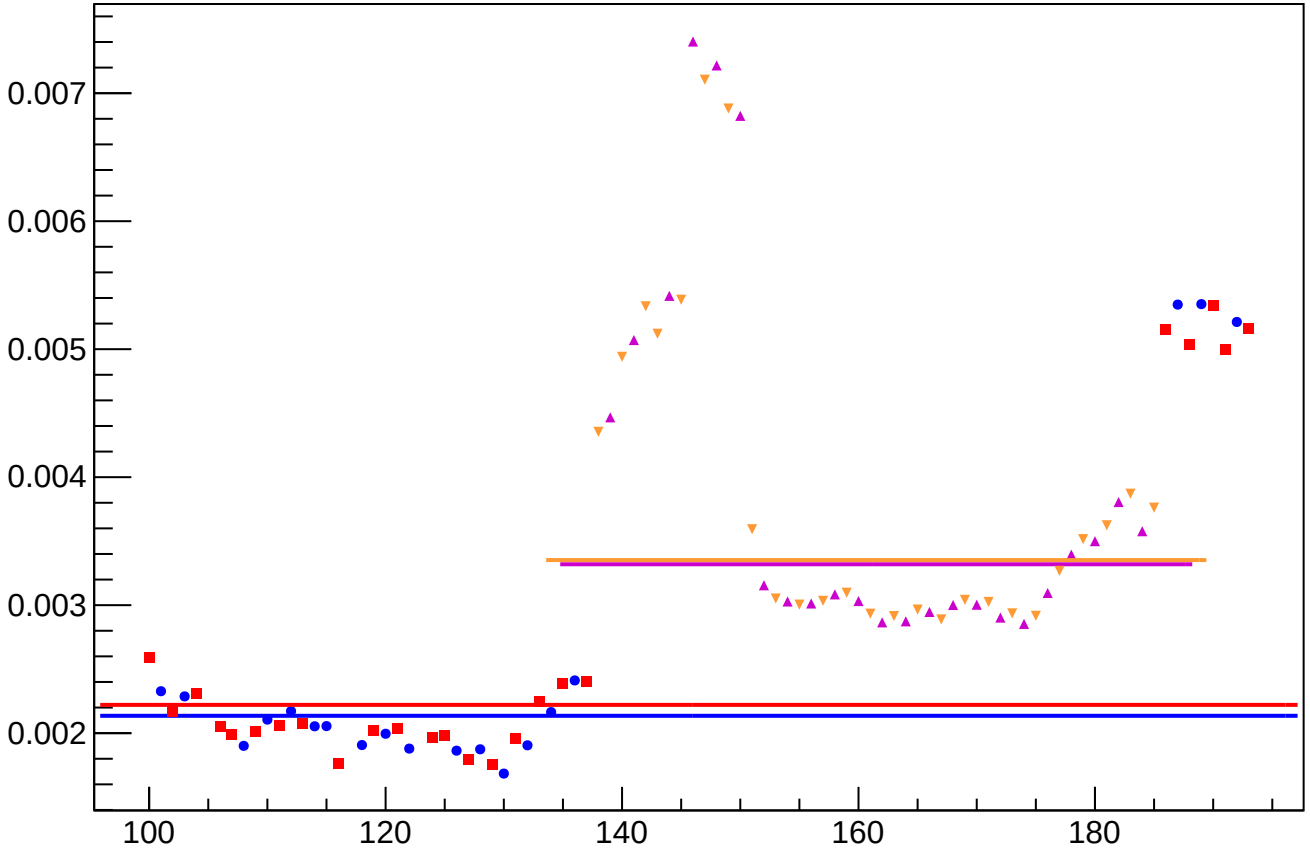
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.907+/-0.000 χ^2/NDF: 1207130210505.0/43

All: 1.906+/-0.000 χ^2/NDF: 2411112958556.

- sign 1.906+/-0.000 χ^2/NDF: 1203980347150.3/46

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

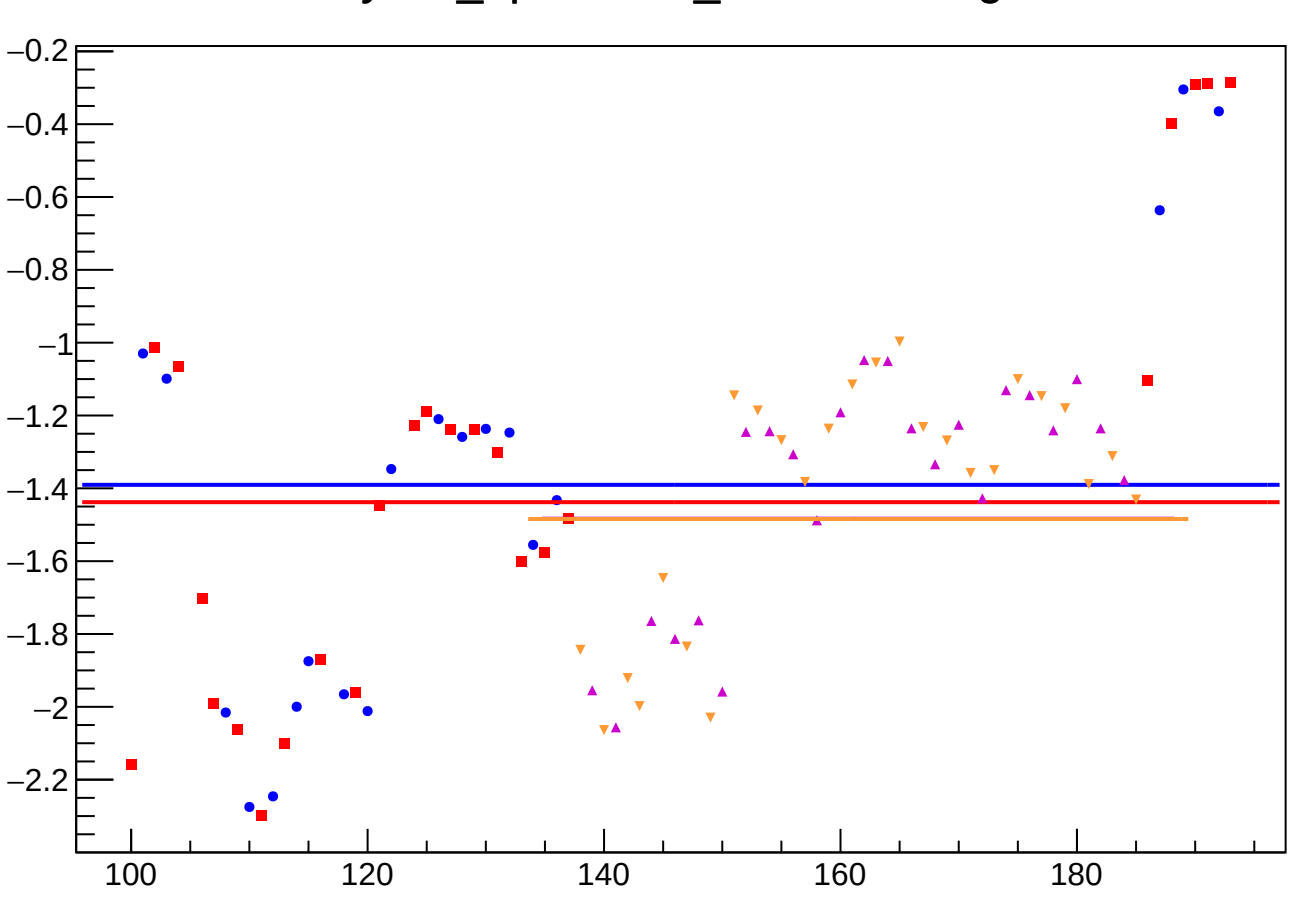
Right Out: 0.002+/-0.000 χ^2/NDF: 1960152.3/23

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: 11528969.4/90

- sign 0.003+/-0.000 χ^2/NDF: 5944959.4/46



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: -1.438+/-0.000 χ^2/NDF: 61358799698.6/23

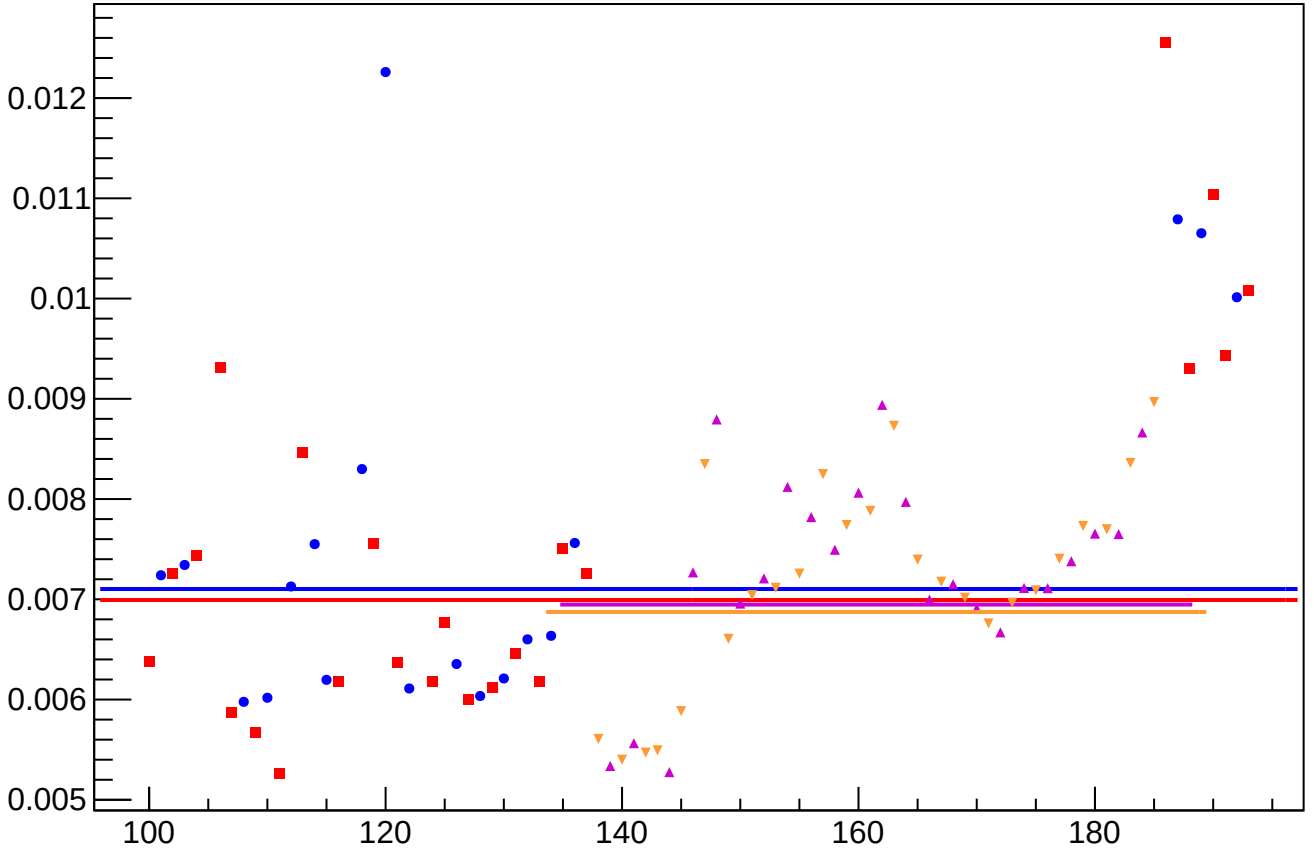
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.457+/-0.000 χ^2/NDF: 89846075144.2/43

All: -1.462+/-0.000 χ^2/NDF: 191840733189.5

- sign -1.468+/-0.000 χ^2/NDF: 101964059956.3/46

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

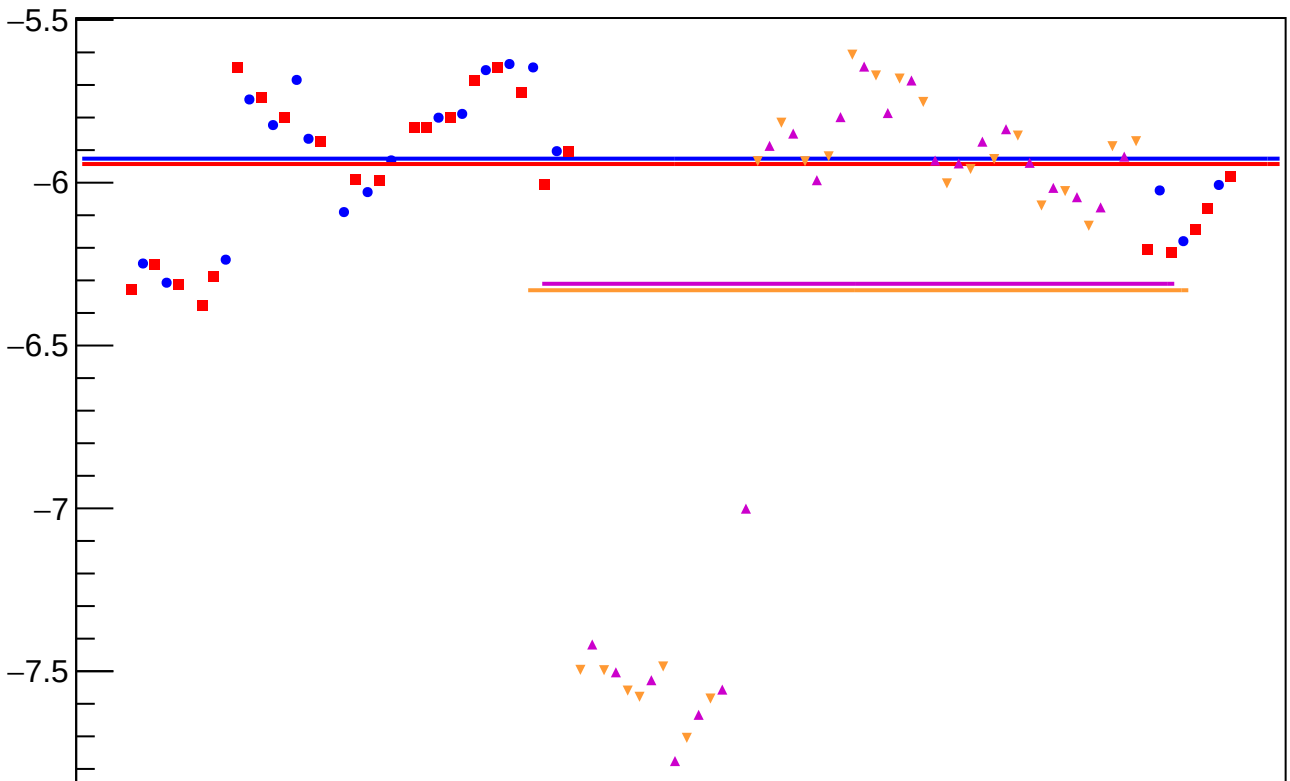
Right Out: 0.007+/-0.000 χ^2/NDF: 825954.8/23

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: 2908216.0/90

- sign 0.007+/-0.000 χ^2/NDF: 1573194.9/46



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: -5.943+/-0.000 χ^2/NDF: 13411947301.6/23

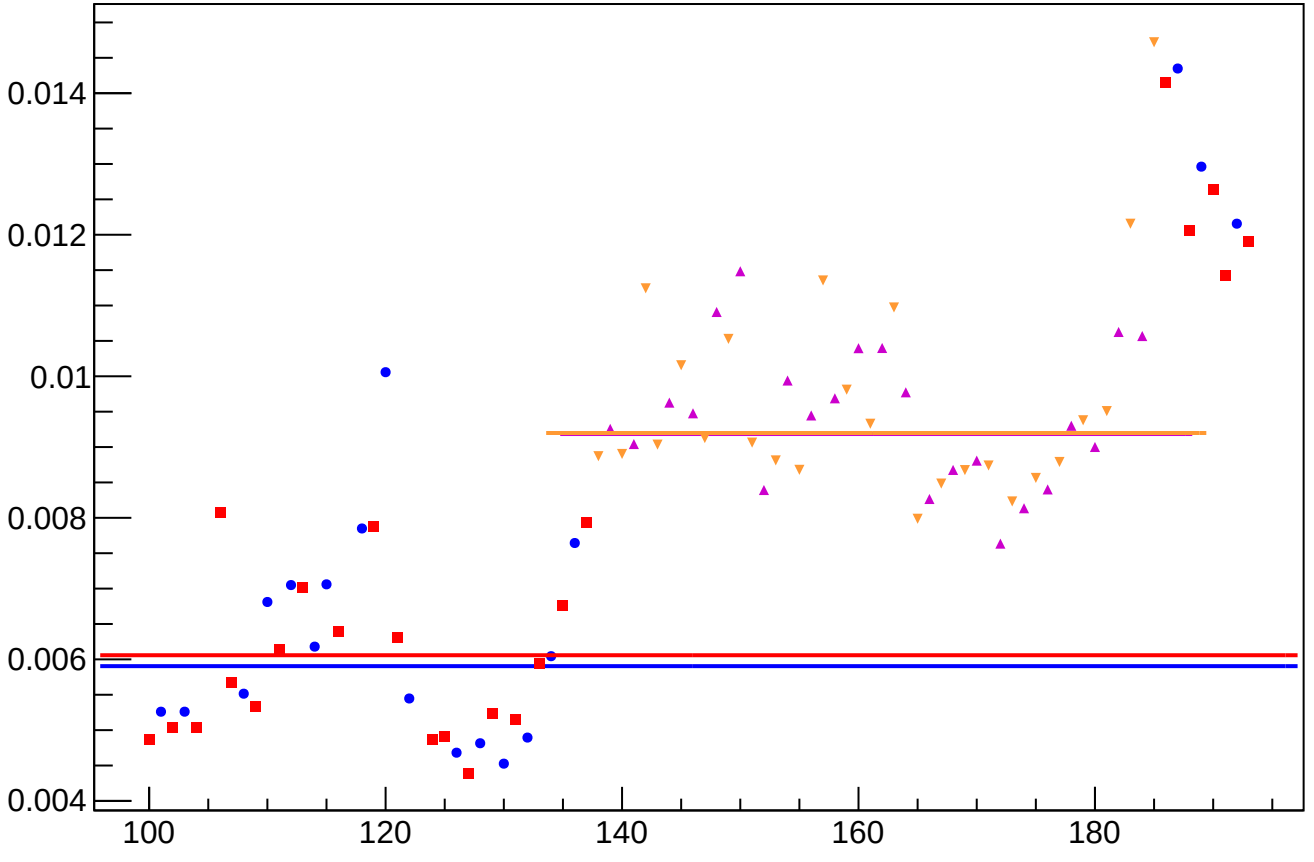
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.119+/-0.000 χ^2/NDF: 138574207006.2/43

All: -6.113+/-0.000 χ^2/NDF: 257416200268.9

- sign -6.106+/-0.000 χ^2/NDF: 118807621207.6/46

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: 1806649.5/23

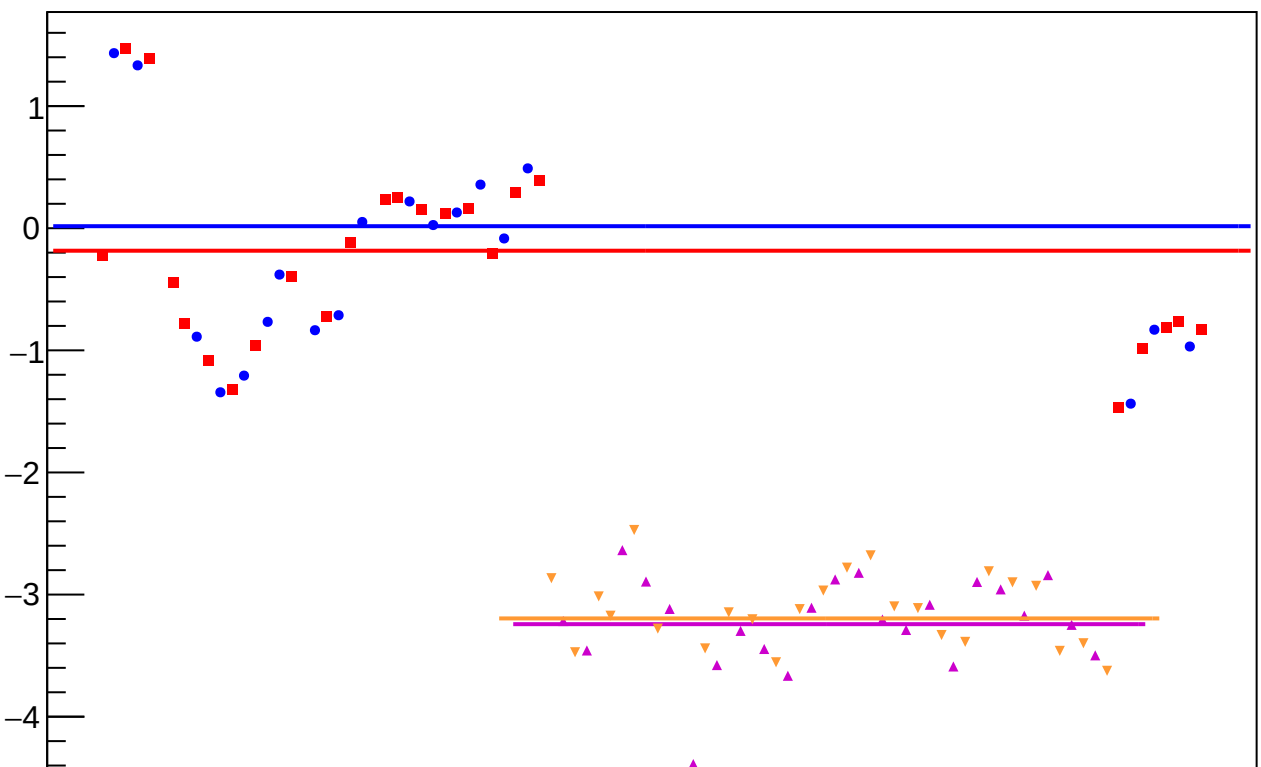
Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.007+/-0.000 χ^2/NDF: 3975484.3/43

All: 0.007+/-0.000 χ^2/NDF: 8082806.9/90

- sign 0.007+/-0.000 χ^2/NDF: 4106959.5/46

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: -0.184+/-0.000 χ^2/NDF: 28736243856.8/23

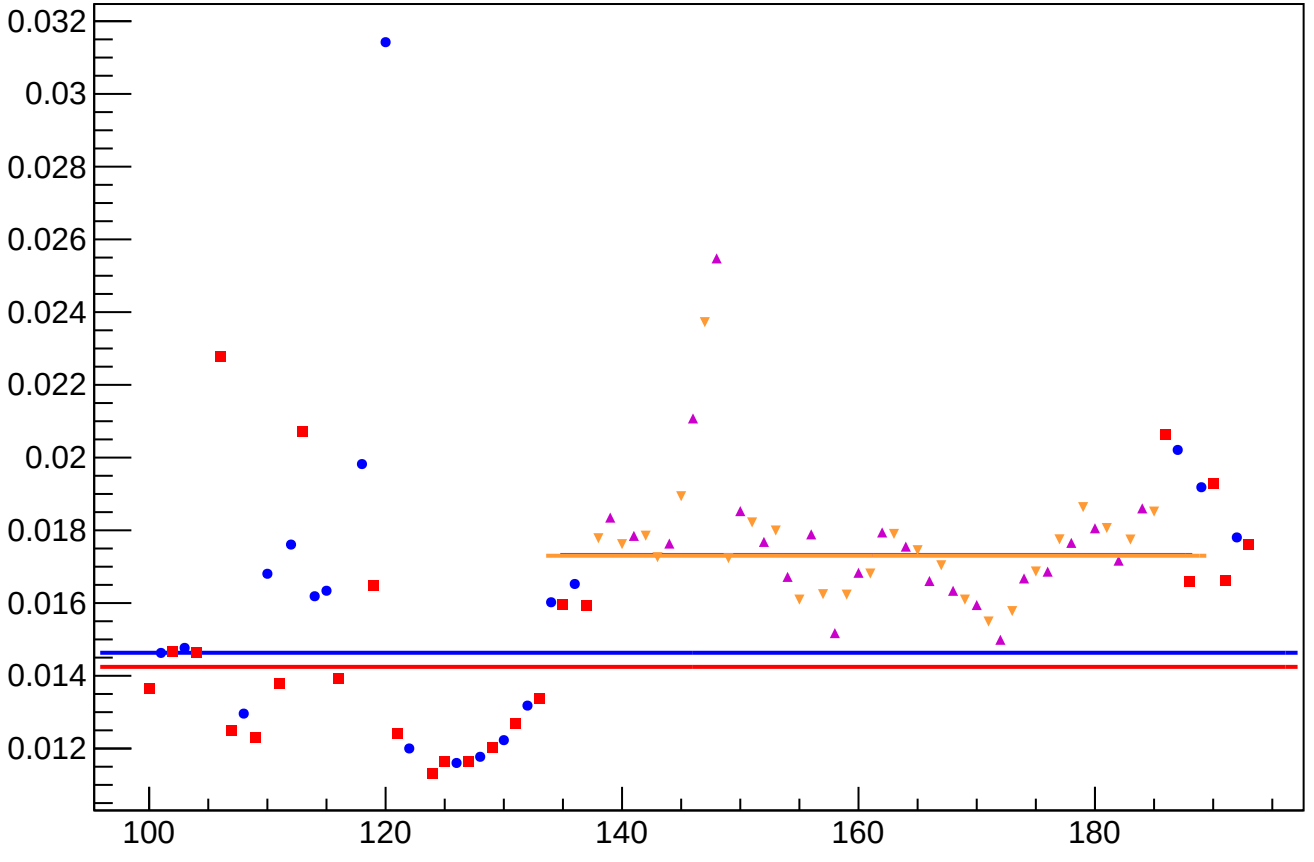
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -2.005+/-0.000 χ^2/NDF: 270184273004.6/43

All: -1.952+/-0.000 χ^2/NDF: 546721422199.4

- sign -1.903+/-0.000 χ^2/NDF: 276006066012.1/46

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

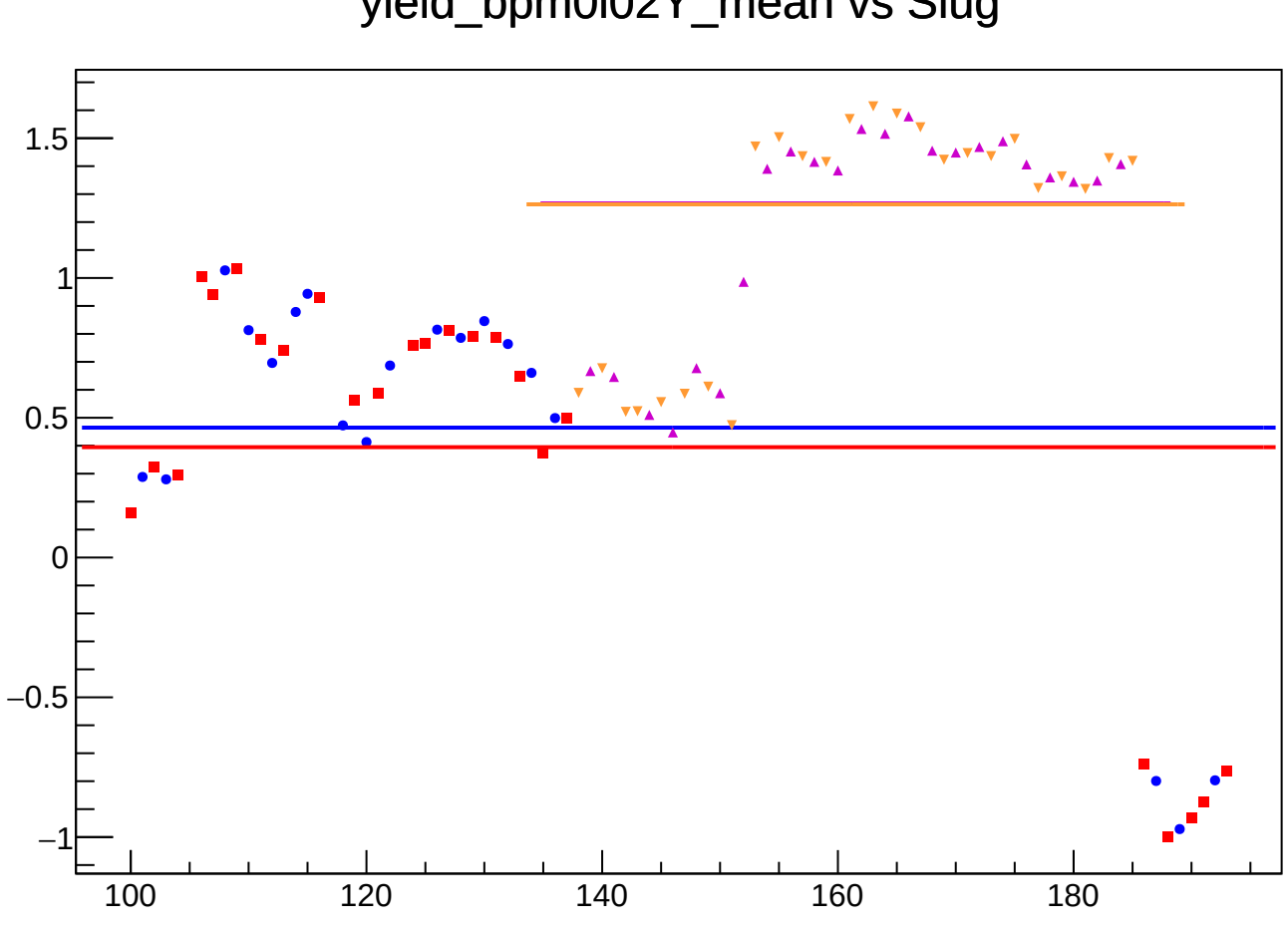
Right Out: 0.014+/-0.000 χ^2/NDF: 569937.5/23

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: 2567600.7/90

- sign 0.016+/-0.000 χ^2/NDF: 1384476.6/46



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: 0.395+/-0.000 χ^2/NDF: 41381506116.2/23

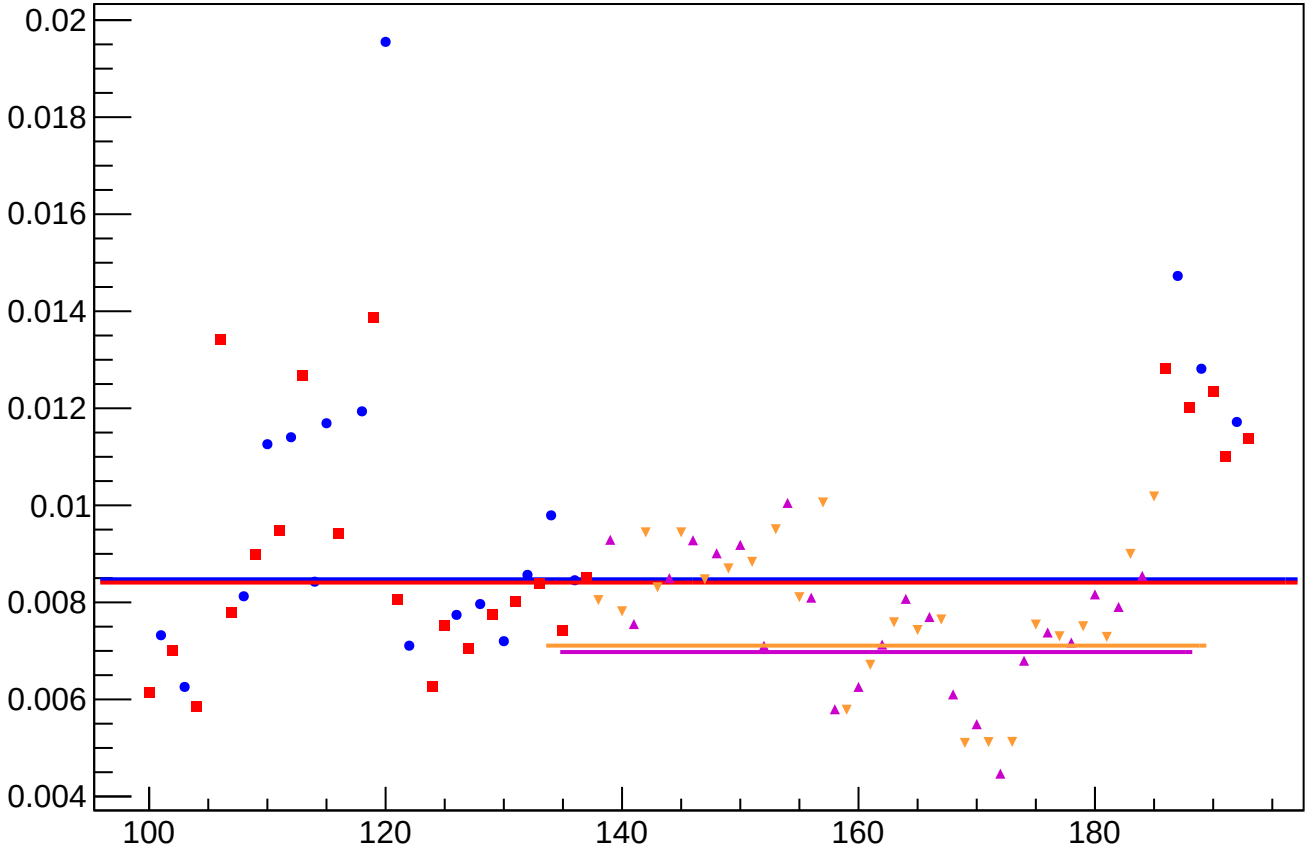
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 1.073+/-0.000 χ^2/NDF: 122673447903.3/43

All: 1.052+/-0.000 χ^2/NDF: 270668687254.5

- sign 1.031+/-0.000 χ^2/NDF: 147595202314.1/46

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

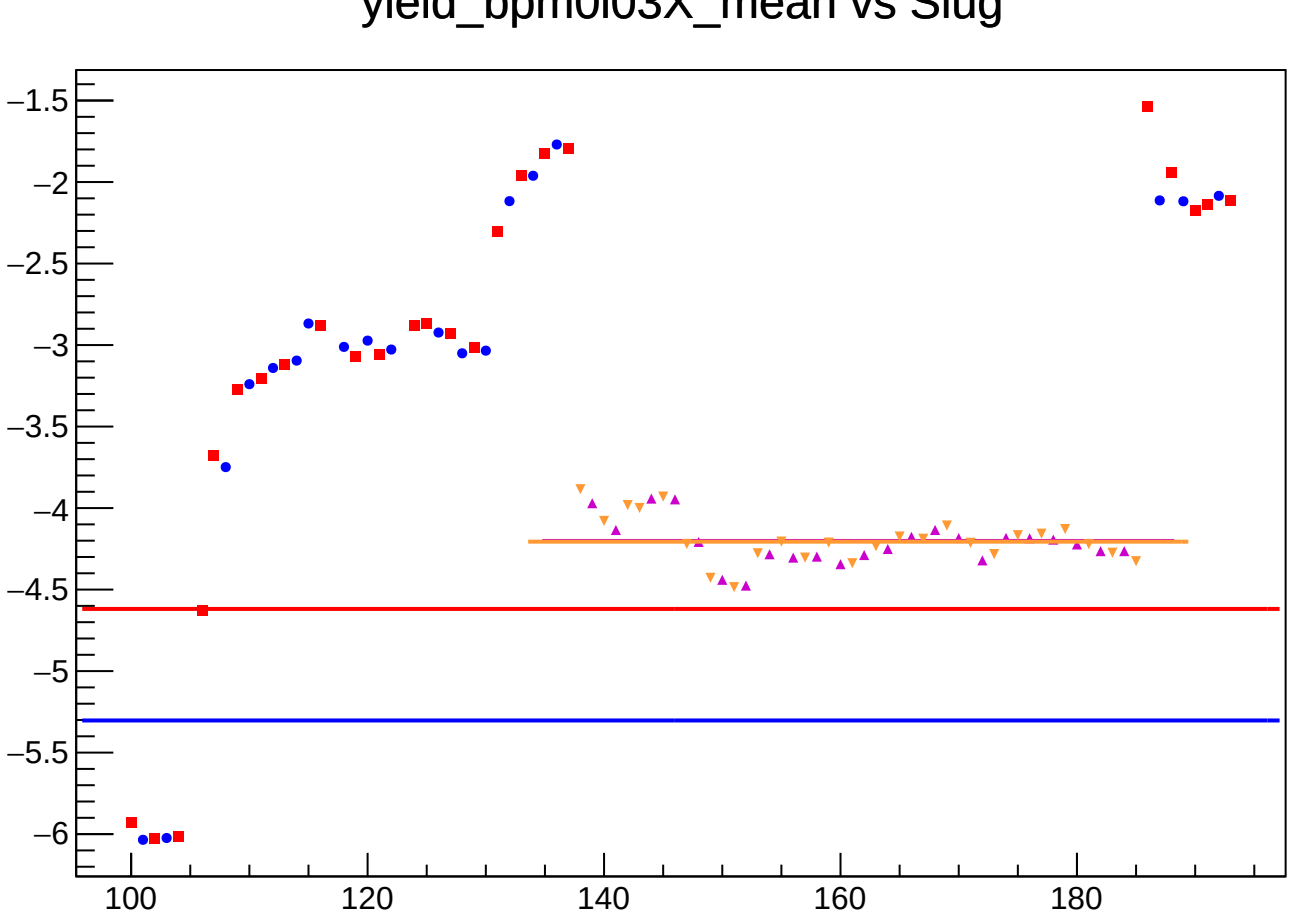
Right Out: 0.008+/-0.000 χ^2/NDF: 1109933.6/23

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: 5707138.3/90

- sign 0.007+/-0.000 χ^2/NDF: 2936931.7/46



Right In: -5.303+/-0.000 χ^2/NDF: 142910273235.0/18

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.619+/-0.000 χ^2/NDF: 232779507378.8/23

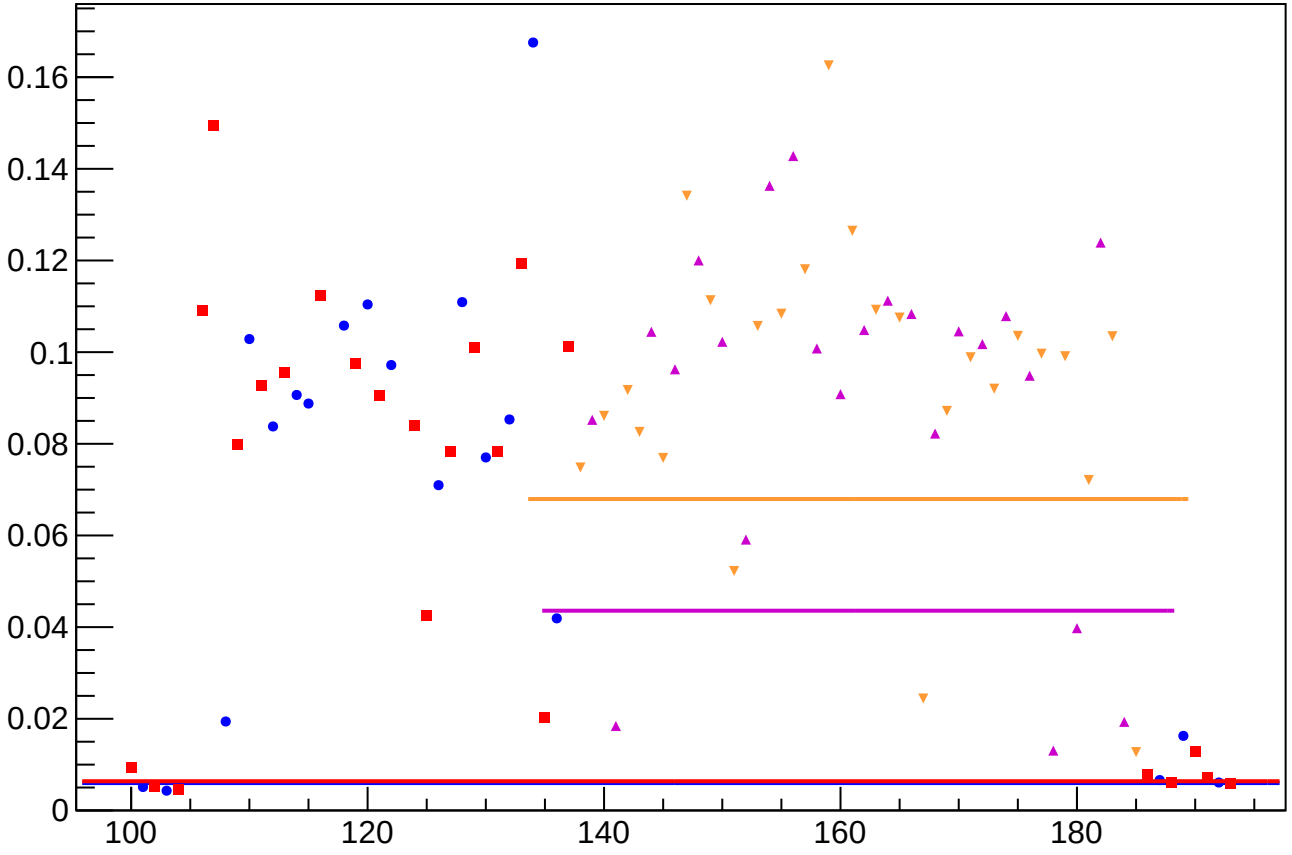
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -5.258+/-0.000 χ^2/NDF: 146041164846.2/43

All: -4.919+/-0.000 χ^2/NDF: 394116737588.8

- sign -4.593+/-0.000 χ^2/NDF: 233490286664.5/46

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: 8798921.3/23

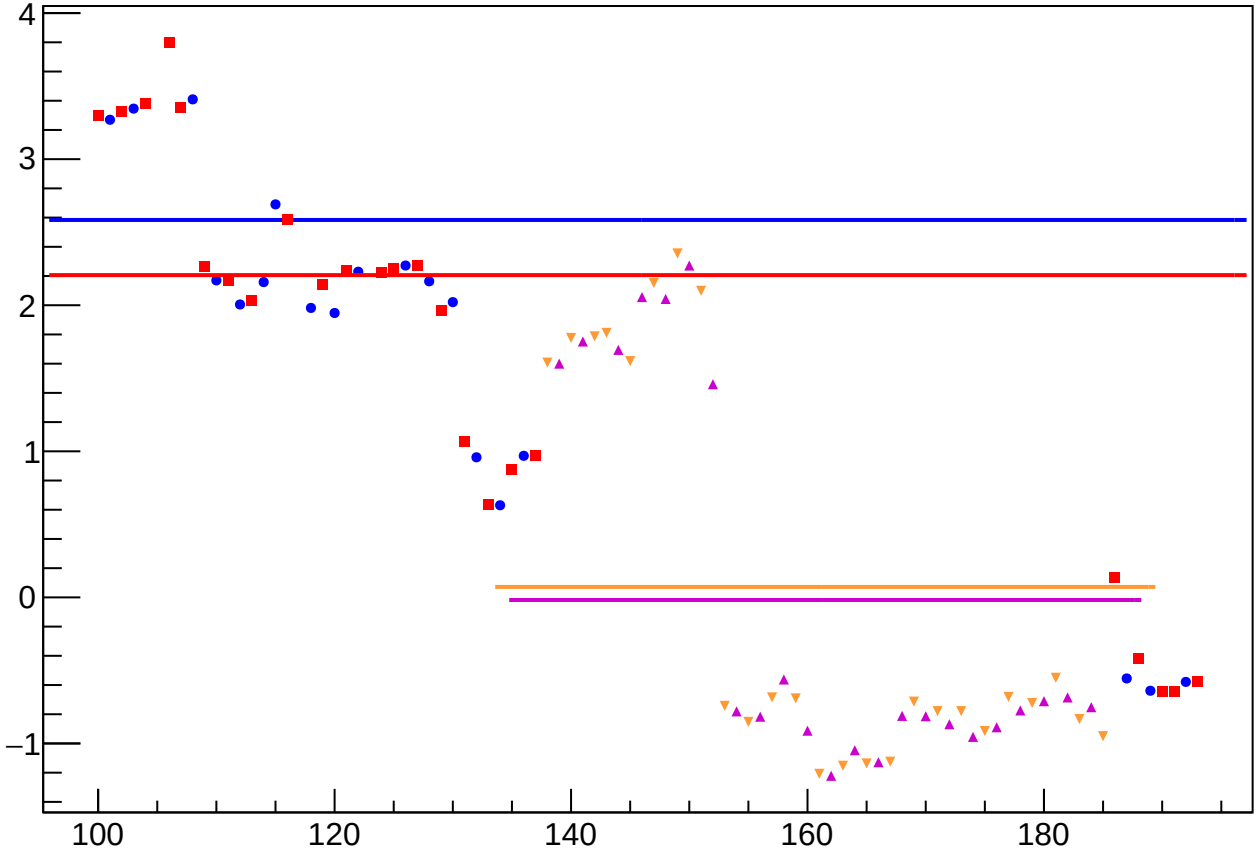
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 36030276.5/43

All: 0.009+/-0.000 χ^2/NDF: 68231352.5/90

- sign 0.009+/-0.000 χ^2/NDF: 32200260.5/46

yield_bpm0l03Y_mean vs Slug



Right In: 2.584+/-0.000 χ^2/NDF: 83535366555.7/18

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 2.206+/-0.000 χ^2/NDF: 123535965553.9/23

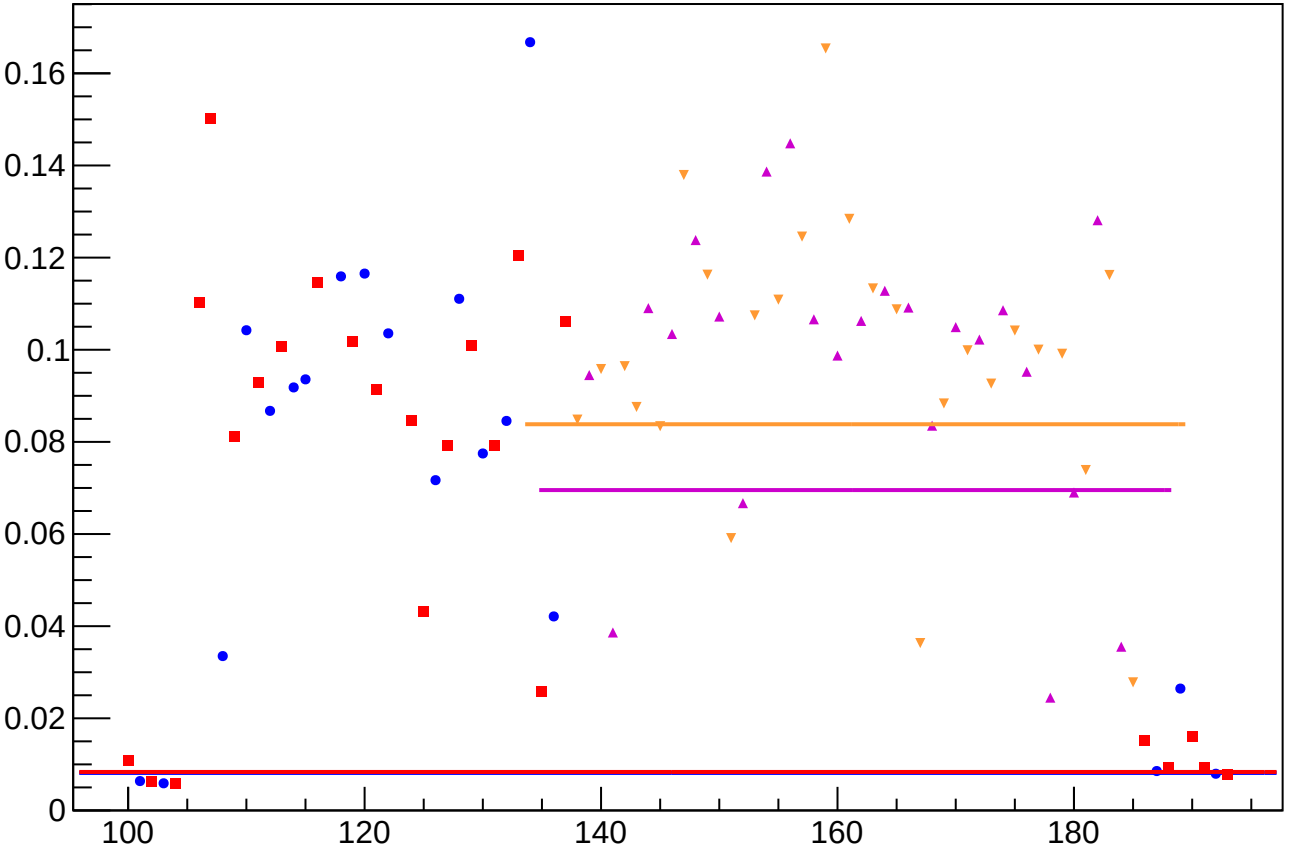
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 2.454+/-0.000 χ^2/NDF: 99481797332.1/43

All: 2.261+/-0.000 χ^2/NDF: 240419653457.6

- sign 2.085+/-0.000 χ^2/NDF: 138110304157.2/46

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

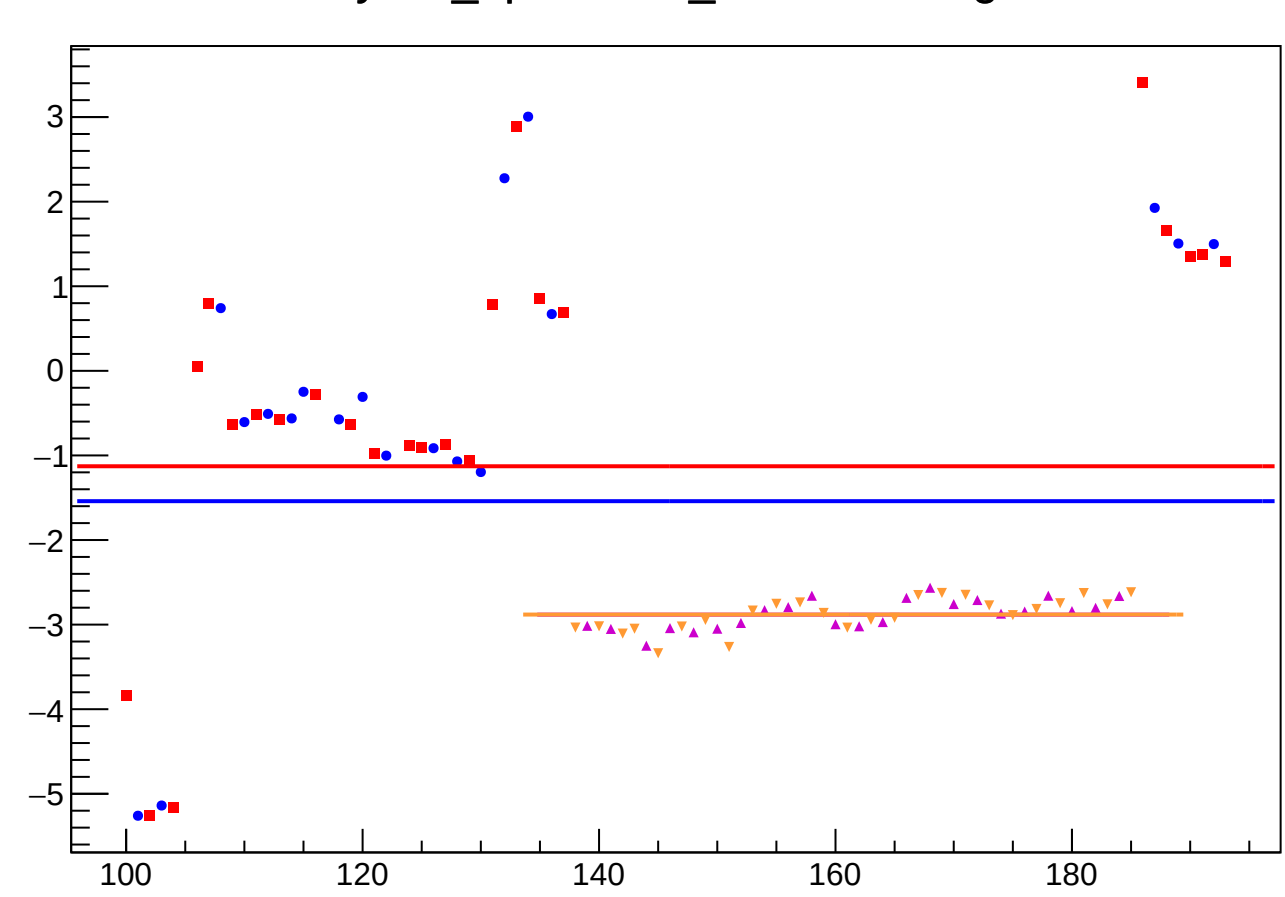
Right Out: 0.008+/-0.000 χ^2/NDF: 8674335.2/23

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: 66962285.5/90

- sign 0.012+/-0.000 χ^2/NDF: 32202075.7/46



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: -1.128+/-0.000 χ^2/NDF: 219630329729.6/23

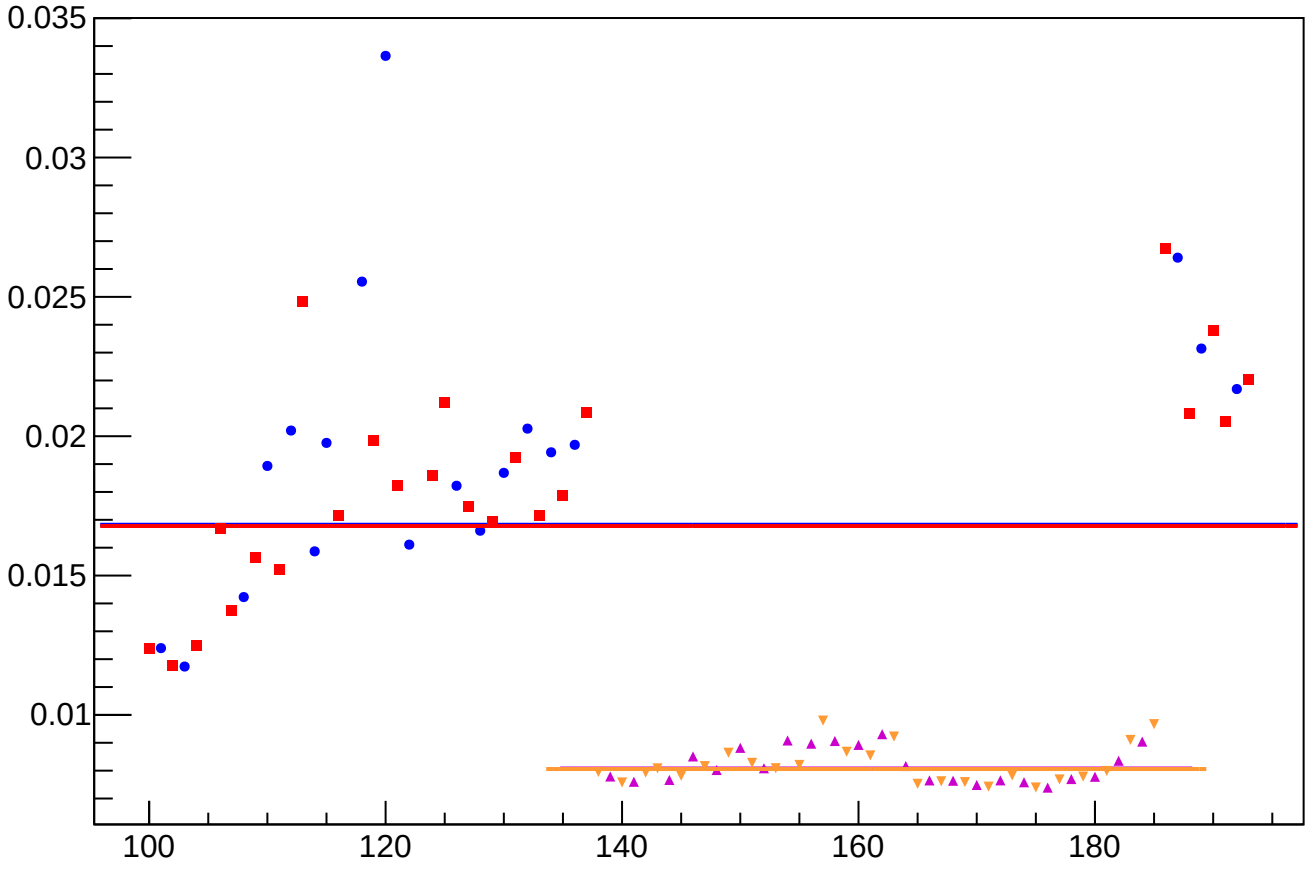
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.769+/-0.000 χ^2/NDF: 249415565856.5/43

All: -2.735+/-0.000 χ^2/NDF: 564004484801.9

- sign -2.699+/-0.000 χ^2/NDF: 313843499968.7/46

yield_bpm0l04X_rms vs Slug



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: 889645.8/23

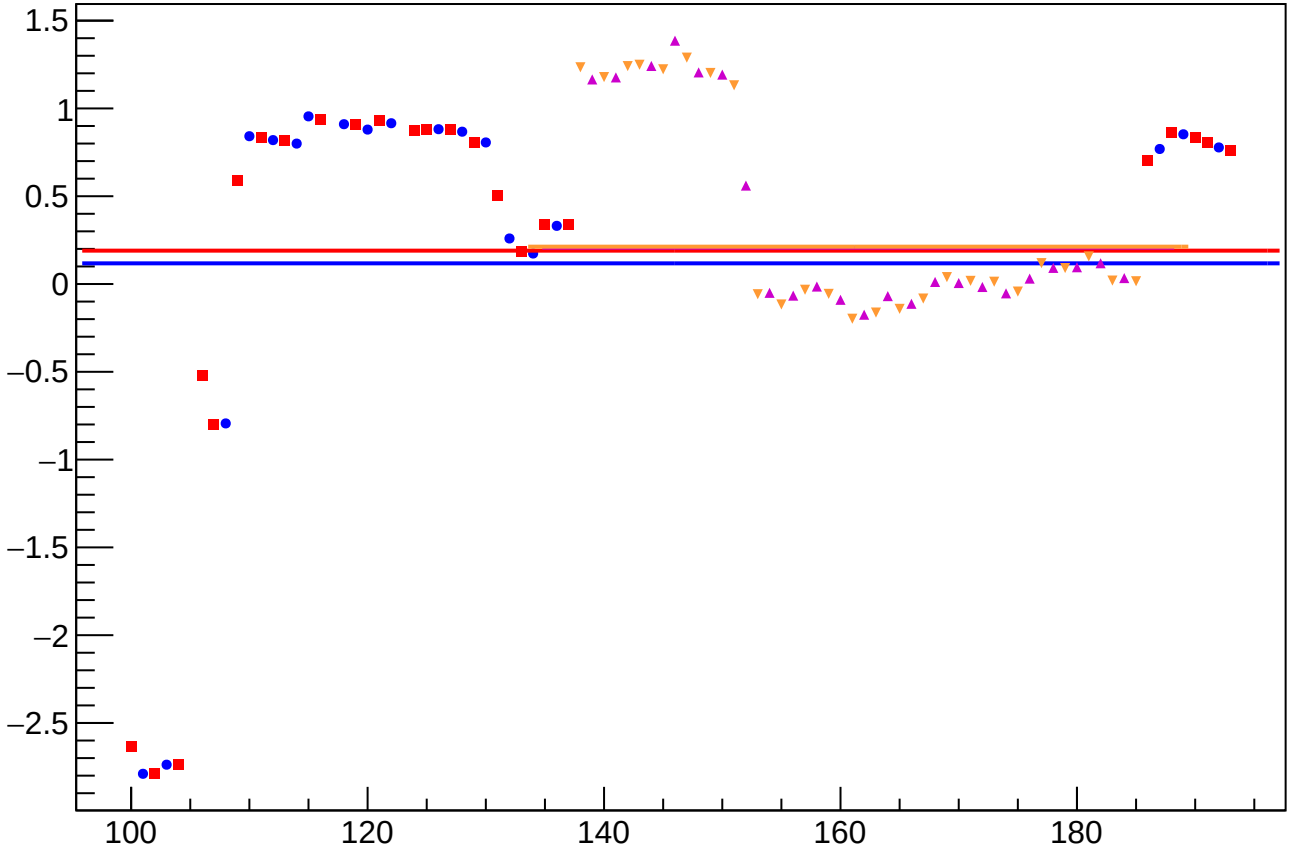
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 4800792.4/43

All: 0.009+/-0.000 χ^2/NDF: 10110011.6/90

- sign 0.009+/-0.000 χ^2/NDF: 5297508.1/46

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: 0.190+/-0.000 χ^2/NDF: 987212070017.1/23

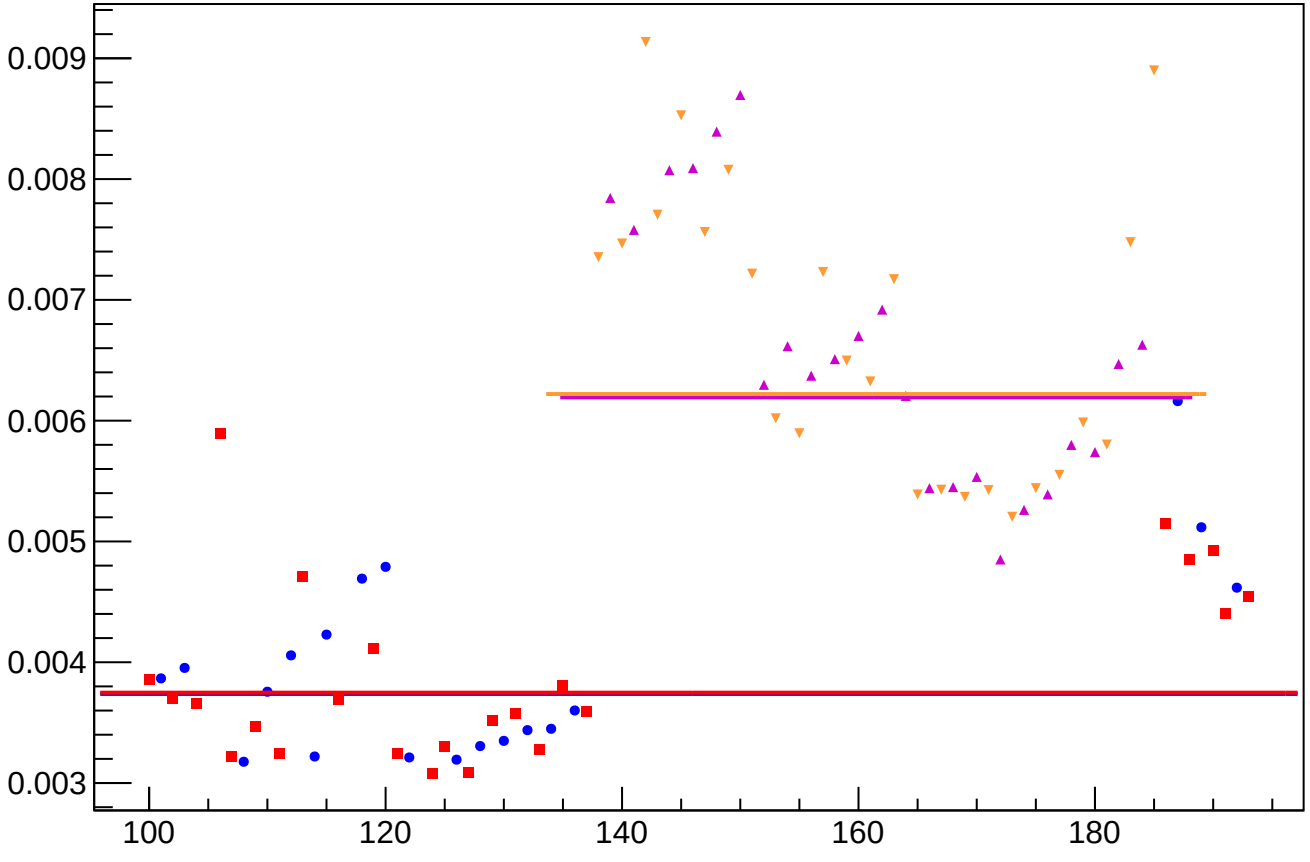
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.158+/-0.000 χ^2/NDF: 991846110784.8/43

All: 0.178+/-0.000 χ^2/NDF: 2067034743957.

- sign 0.197+/-0.000 χ^2/NDF: 1074398345161.3/46

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

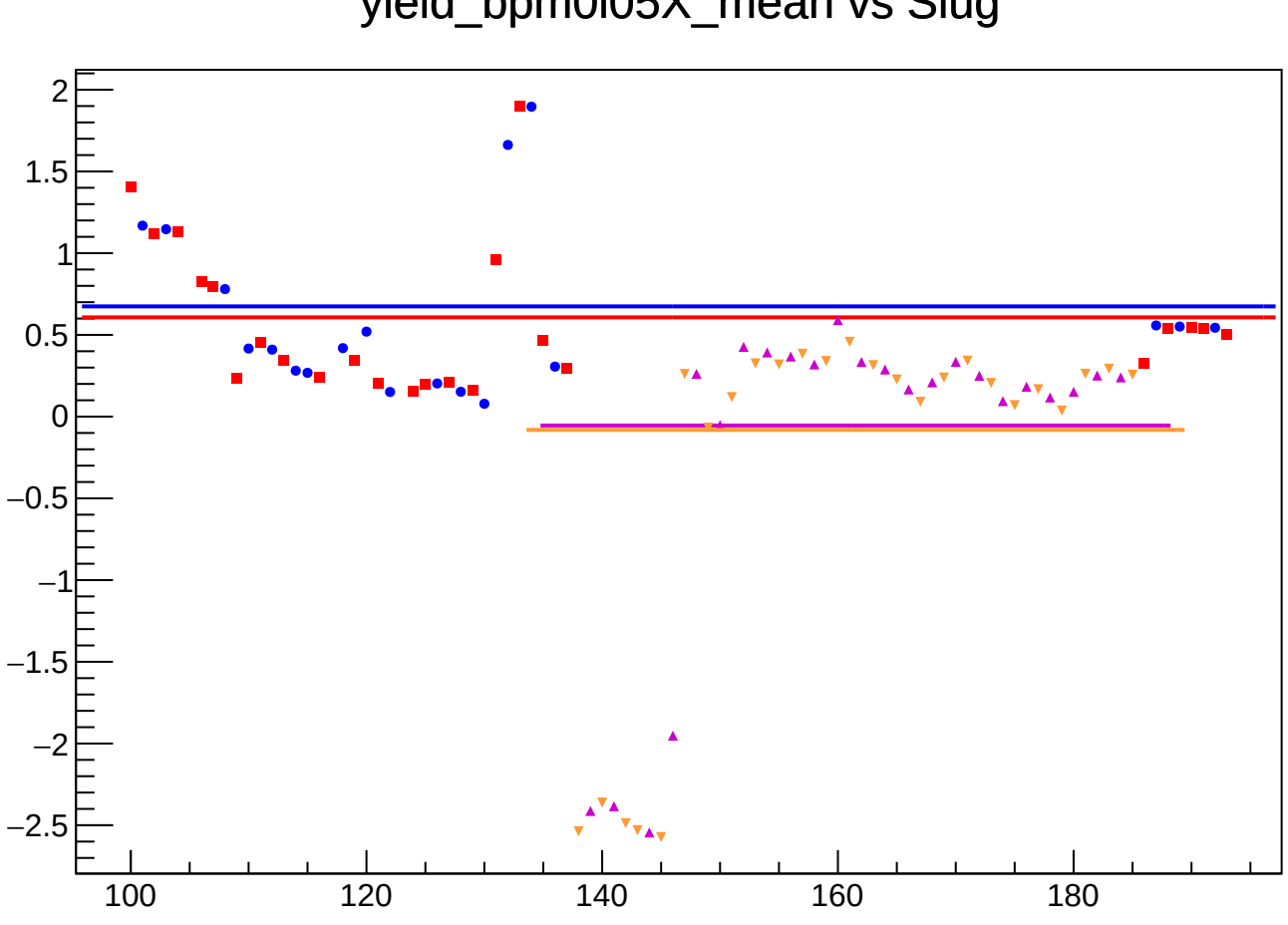
Right Out: 0.004+/-0.000 χ^2/NDF: 513770.9/23

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: 8672704.9/90

- sign 0.005+/-0.000 χ^2/NDF: 4390940.7/46



Right In: 0.674+/-0.000 χ^2/NDF: 40808558538.1/18

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

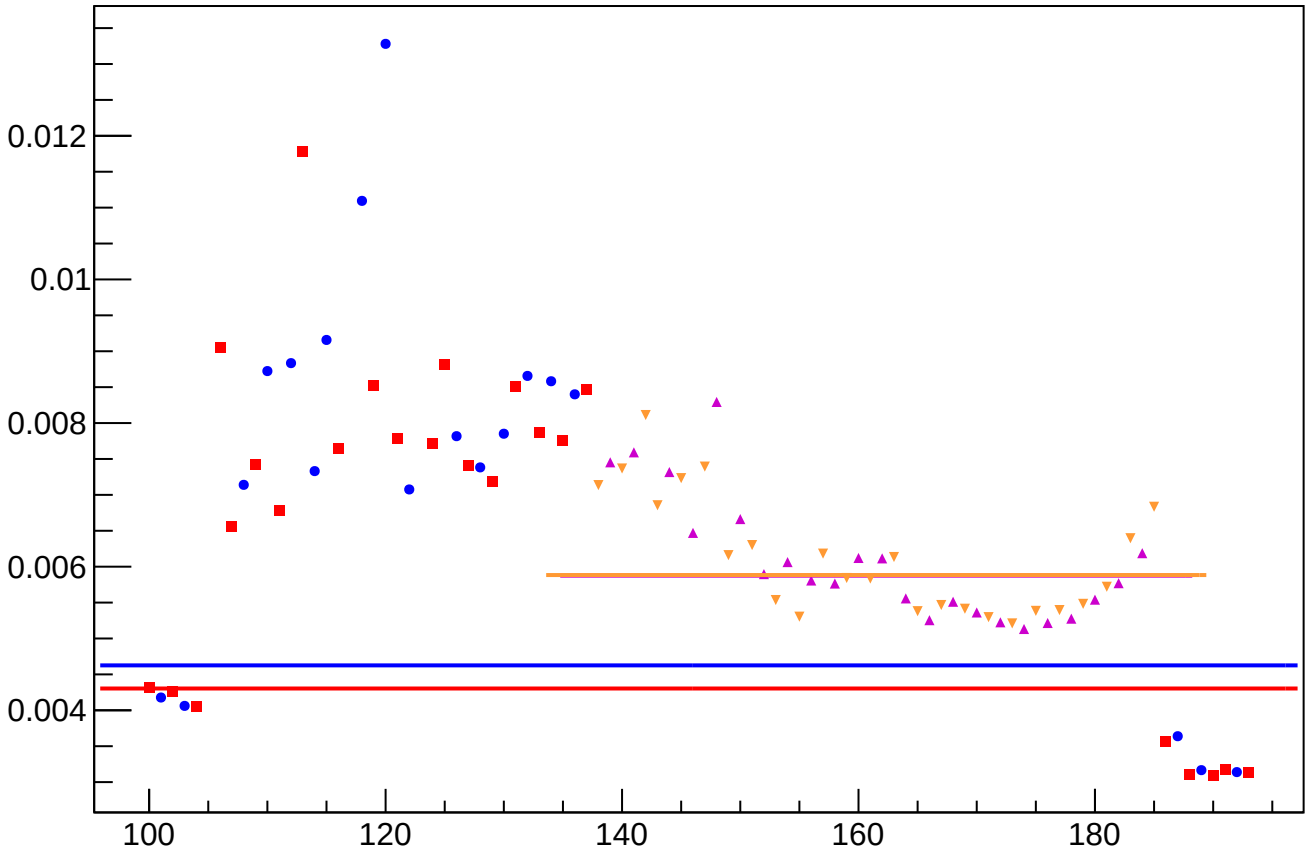
Right Out: 0.607+/-0.000 χ^2/NDF: 42972175504.0/23

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.202+/-0.000 χ^2/NDF: 537395125885.1/43

All: 0.228+/-0.000 χ^2/NDF: 1026909708679.

- sign 0.252+/-0.000 χ^2/NDF: 488426767028.9/46



Right In: 0.005+/-0.000 χ^2/NDF: 2805855.4/18

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2981535.3/23

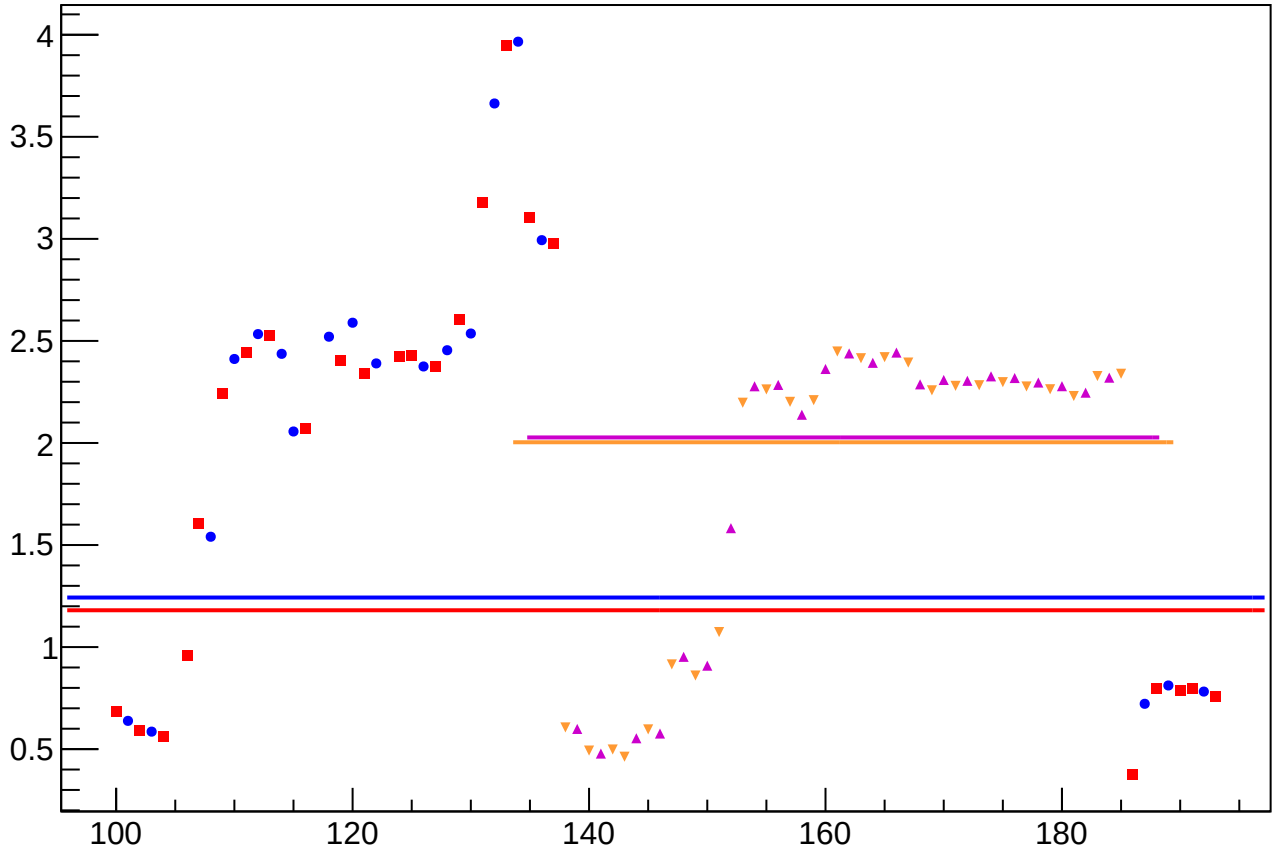
Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 3863768.1/43

All: 0.005+/-0.000 χ^2/NDF: 8536636.0/90

- sign 0.005+/-0.000 χ^2/NDF: 4612418.8/46

yield_bpm0l05Y_mean vs Slug



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: 1.180+/-0.000 χ^2/NDF: 226869423836.3/23

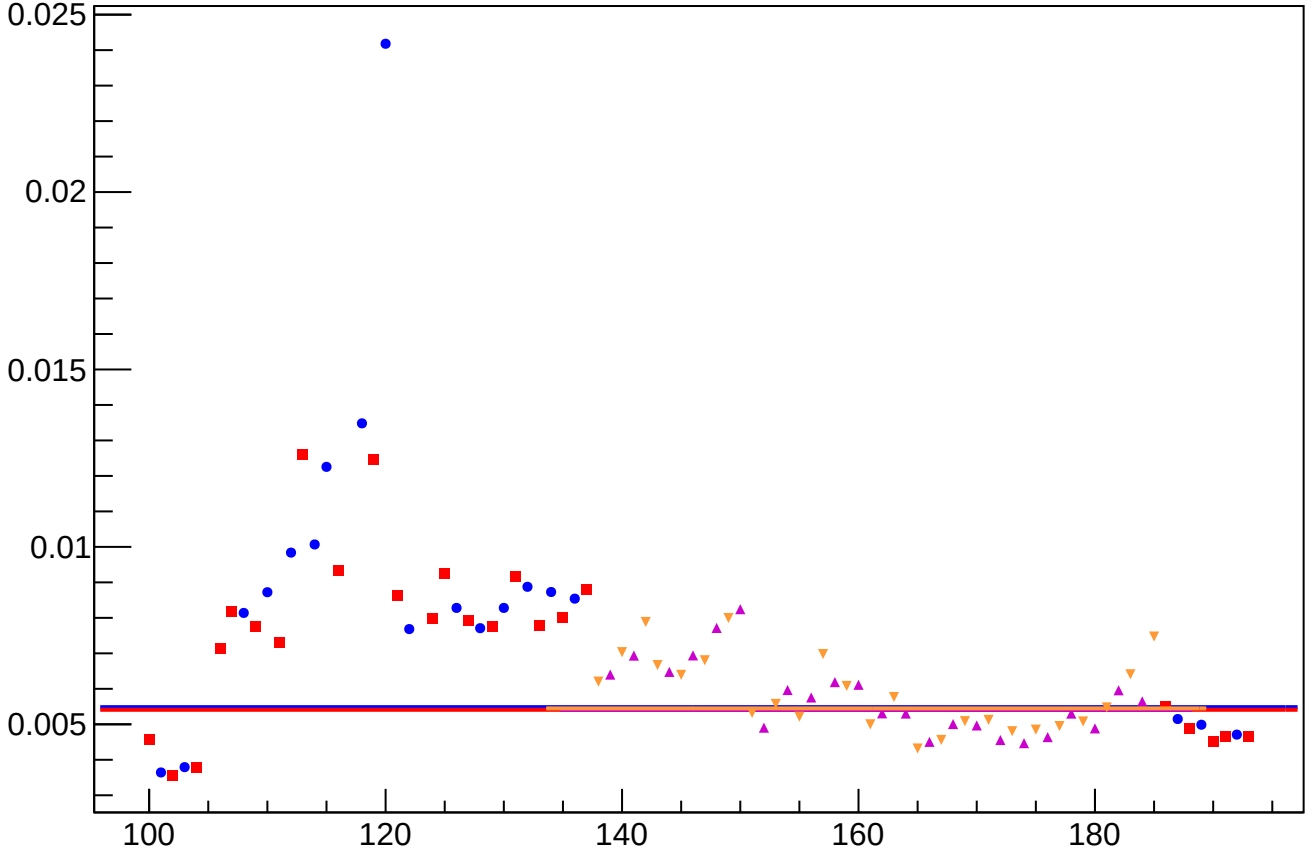
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.788+/-0.000 χ^2/NDF: 500027239347.6/43

All: 1.763+/-0.000 χ^2/NDF: 1051803293342.

- sign 1.739+/-0.000 χ^2/NDF: 550844253288.3/46

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

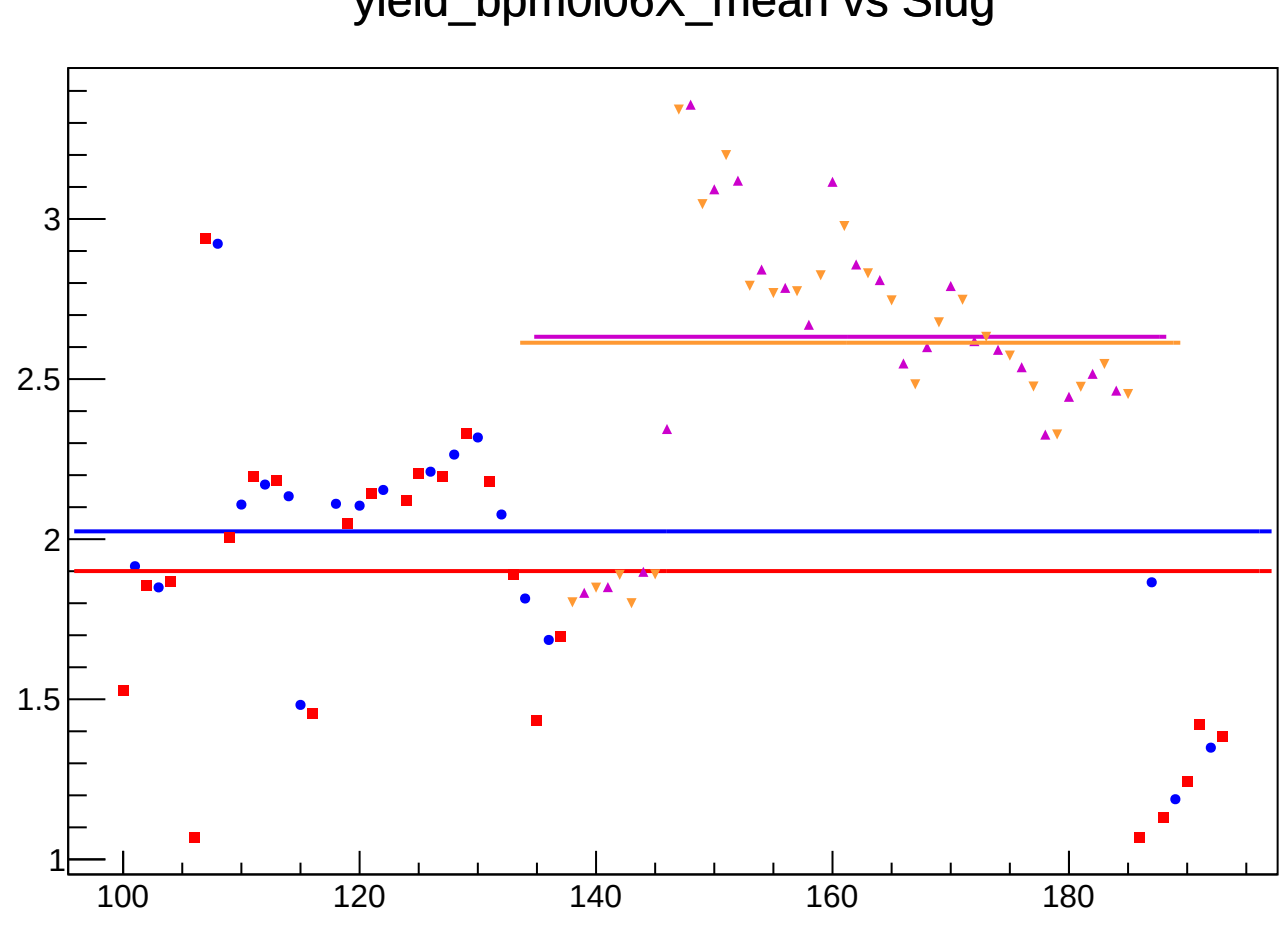
Right Out: 0.005+/-0.000 χ^2/NDF: 2108800.4/23

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: 5999575.9/90

- sign 0.005+/-0.000 χ^2/NDF: 2923943.8/46



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: 1.900+/-0.000 χ^2/NDF: 34071086893.0/23

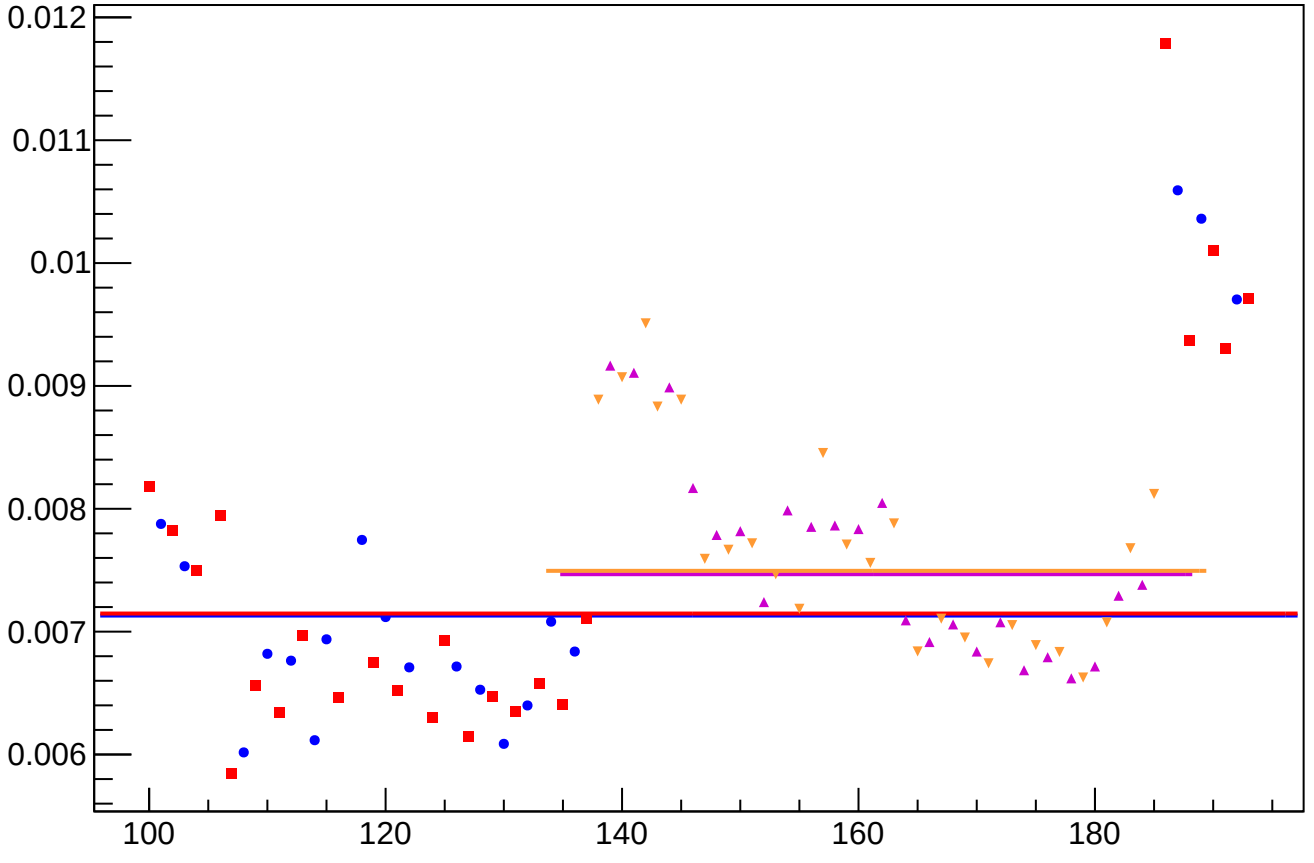
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.416+/-0.000 χ^2/NDF: 106741676059.2/43

All: 2.386+/-0.000 χ^2/NDF: 244682380512.0

- sign 2.357+/-0.000 χ^2/NDF: 137095690182.9/46

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

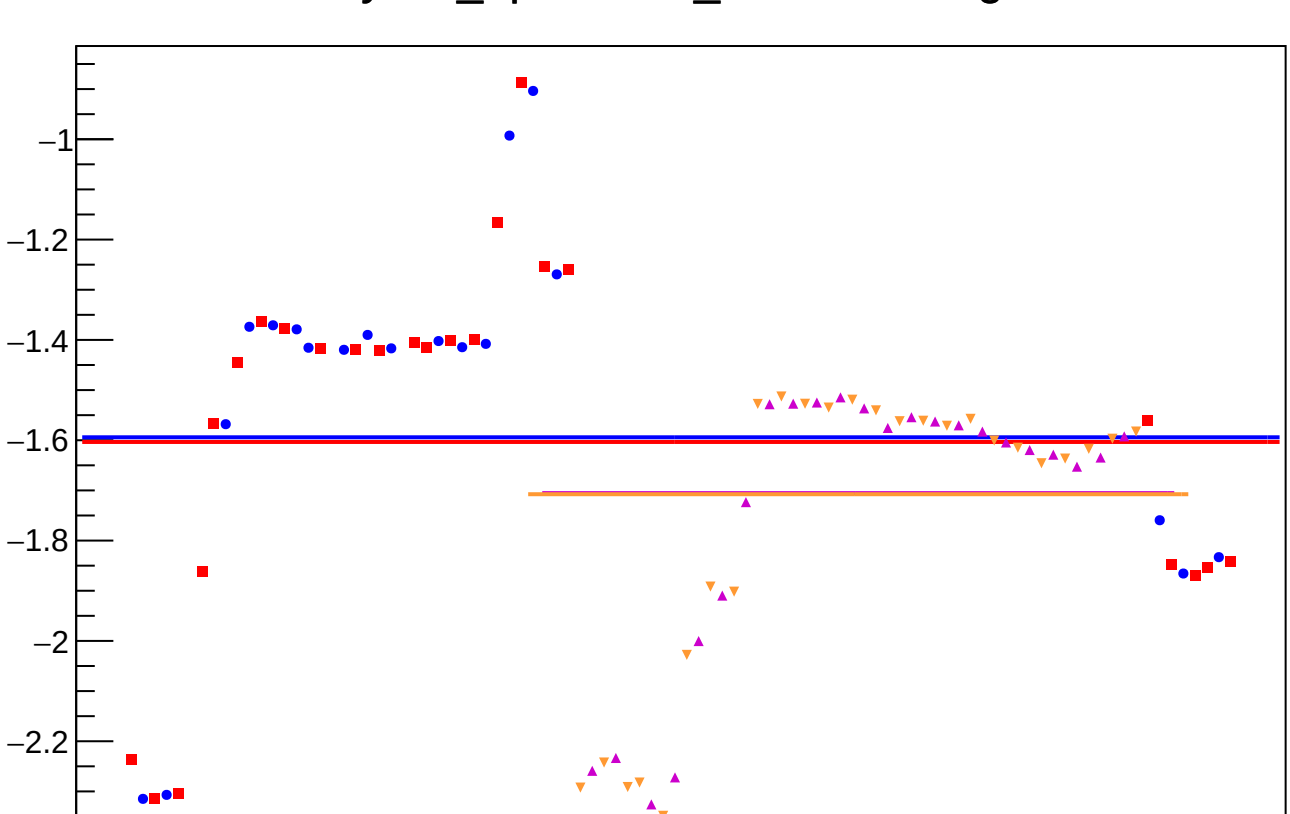
Right Out: 0.007+/-0.000 χ^2/NDF: 561886.0/23

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: 1653144.8/90

- sign 0.007+/-0.000 χ^2/NDF: 907718.3/46



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: -1.603+/-0.000 χ^2/NDF: 191791984440.2/23

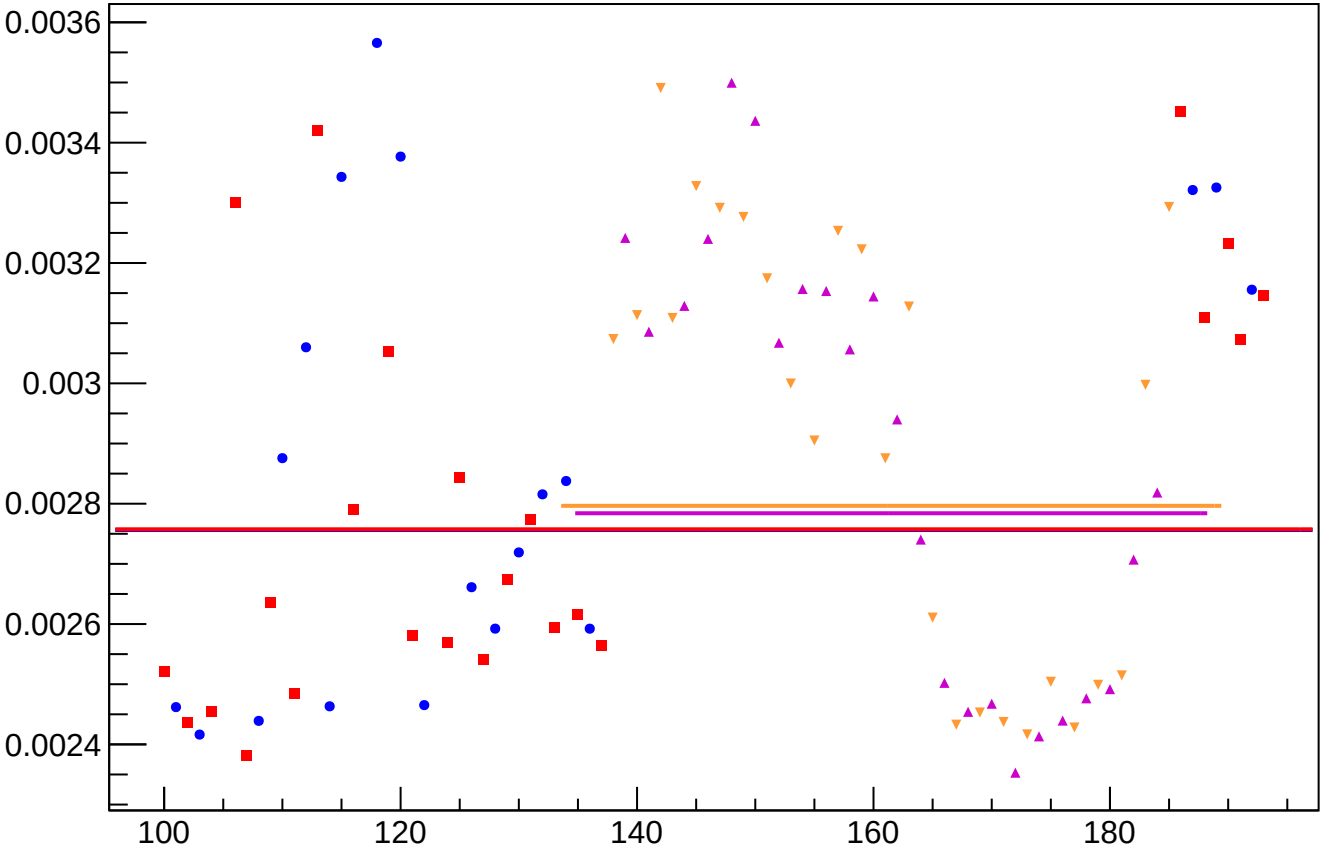
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.671+/-0.000 χ^2/NDF: 347360433882.8/43

All: -1.670+/-0.000 χ^2/NDF: 684056622577.3

- sign -1.668+/-0.000 χ^2/NDF: 336683282225.6/46

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: 238485.7/23

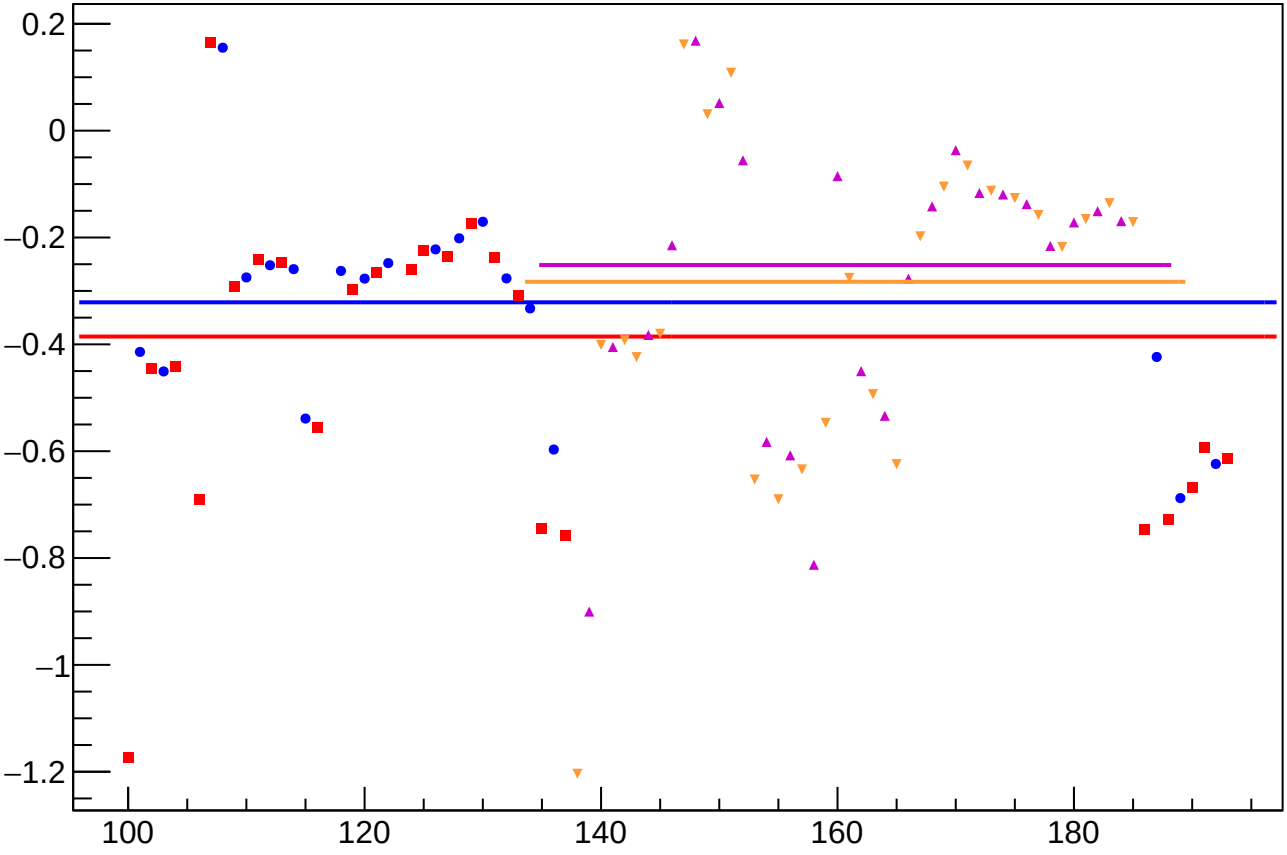
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 789652.4/43

All: 0.003+/-0.000 χ^2/NDF: 1586676.7/90

- sign 0.003+/-0.000 χ^2/NDF: 796742.3/46

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: -0.385+/-0.000 χ^2/NDF: 3492404982.1/23

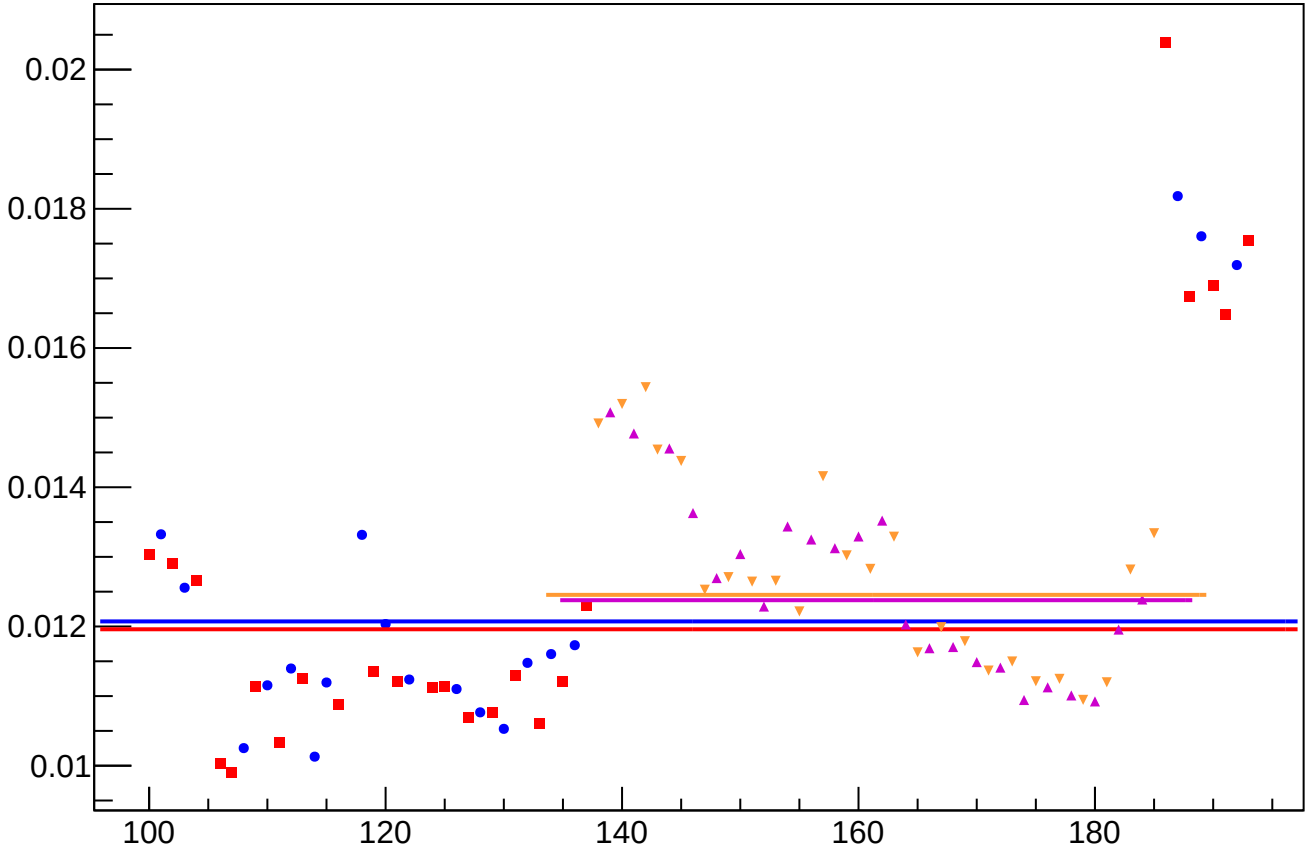
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.295+/-0.000 χ^2/NDF: 11624496125.4/43

All: -0.298+/-0.000 χ^2/NDF: 23041737947.9/

- sign -0.301+/-0.000 χ^2/NDF: 11414060085.3/46

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: 674780.2/23

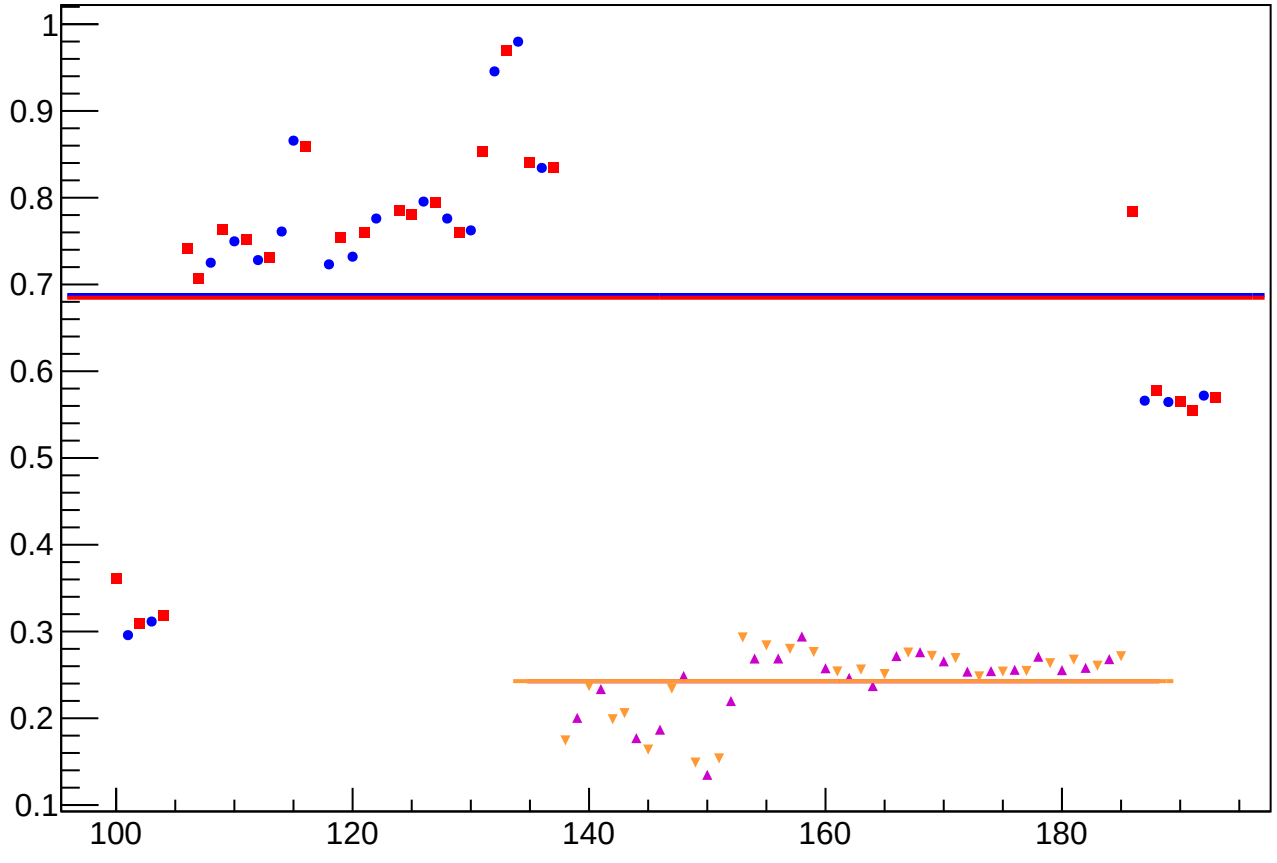
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 780114.4/43

All: 0.012+/-0.000 χ^2/NDF: 1798553.7/90

- sign 0.012+/-0.000 χ^2/NDF: 1016397.9/46

yield_bpm0l07Y_mean vs Slug



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: 0.685+/-0.000 χ^2/NDF: 49410105255.8/23

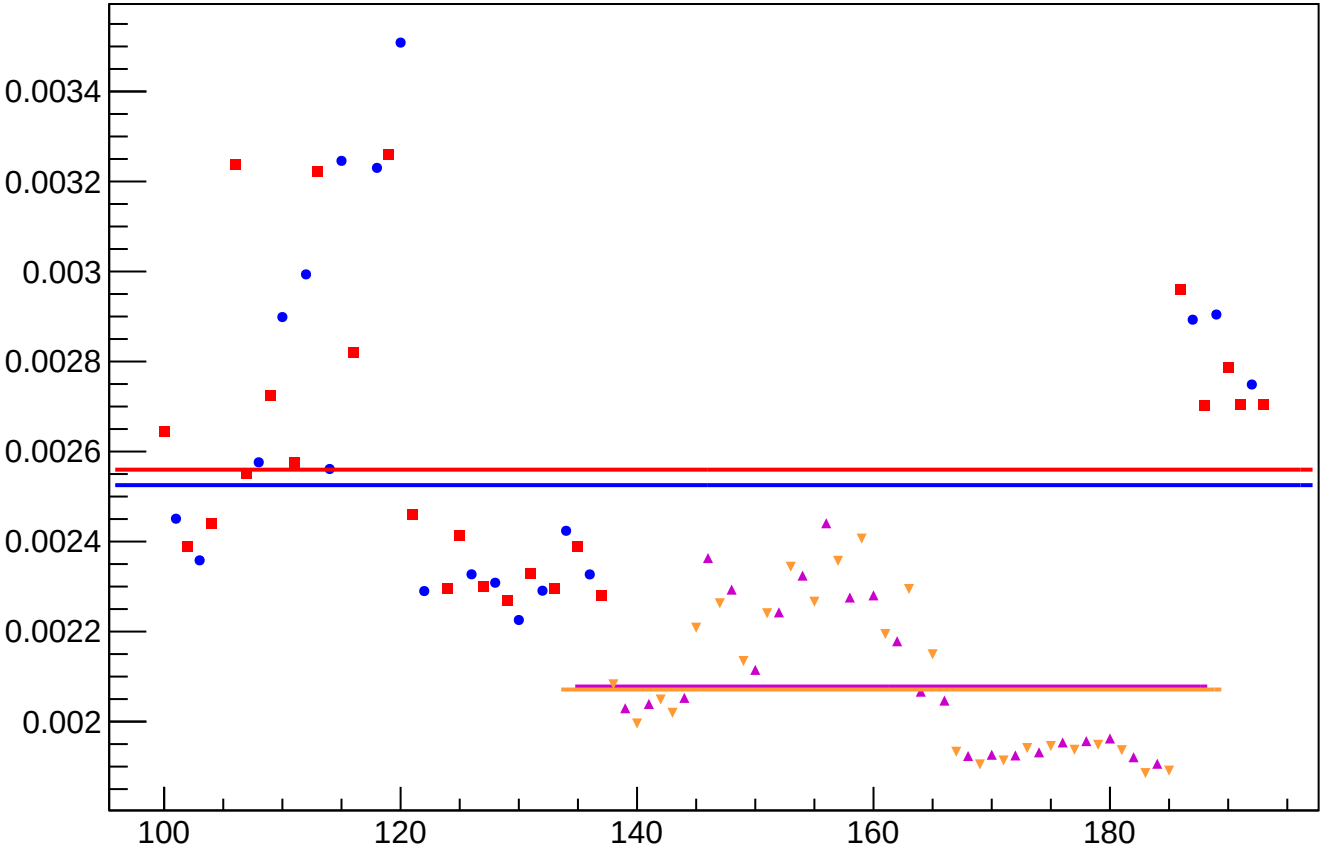
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.345+/-0.000 χ^2/NDF: 261293002524.7/43

All: 0.351+/-0.000 χ^2/NDF: 530303784977.6

- sign 0.358+/-0.000 χ^2/NDF: 268518831846.5/46

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: 214845.1/23

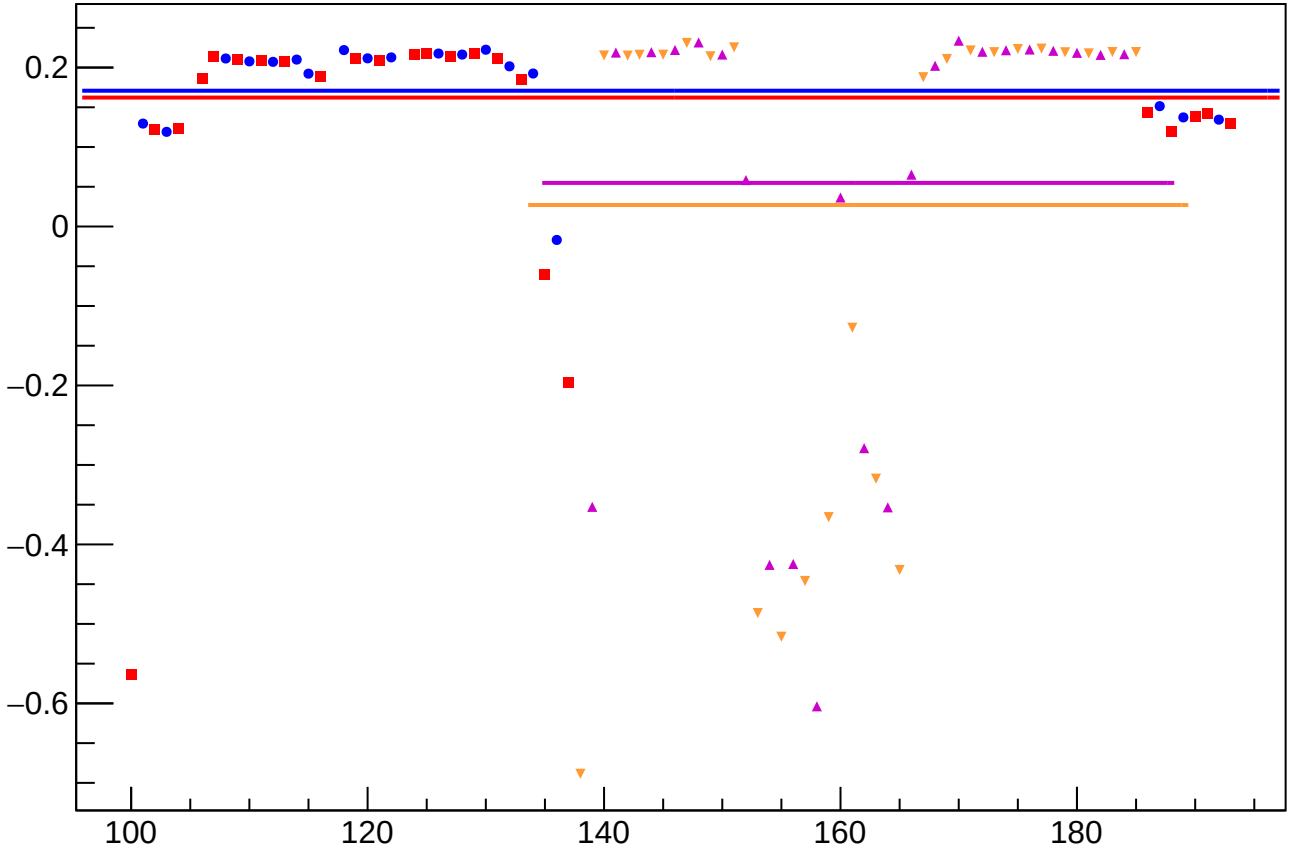
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 903002.5/43

All: 0.002+/-0.000 χ^2/NDF: 1840724.3/90

- sign 0.002+/-0.000 χ^2/NDF: 933150.9/46

yield_bpm0l08X_mean vs Slug



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: 0.162+/-0.000 χ^2/NDF: 908336216.4/23

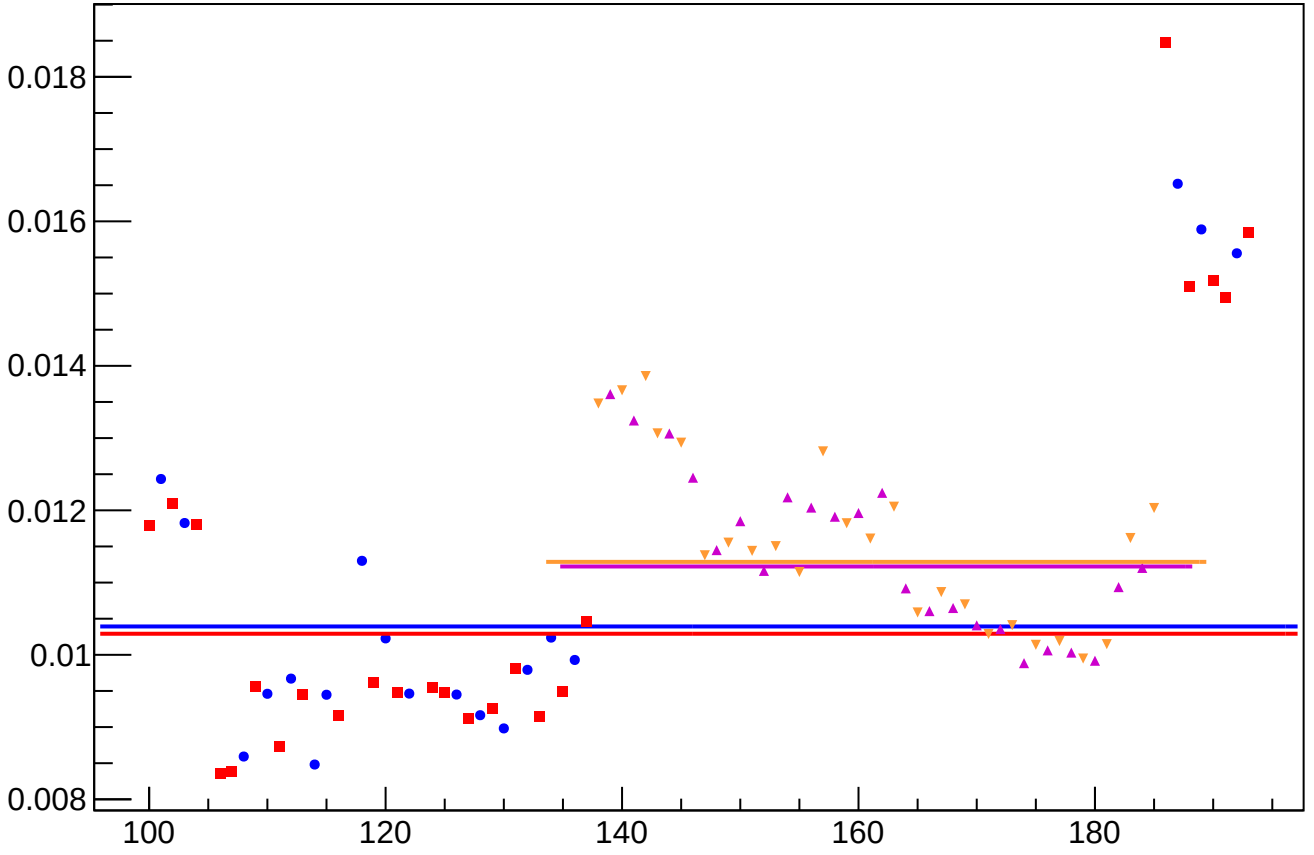
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.077+/-0.000 χ^2/NDF: 14420542935.7/43

All: 0.087+/-0.000 χ^2/NDF: 25703706729.0/9

- sign 0.097+/-0.000 χ^2/NDF: 11238278935.6/46

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

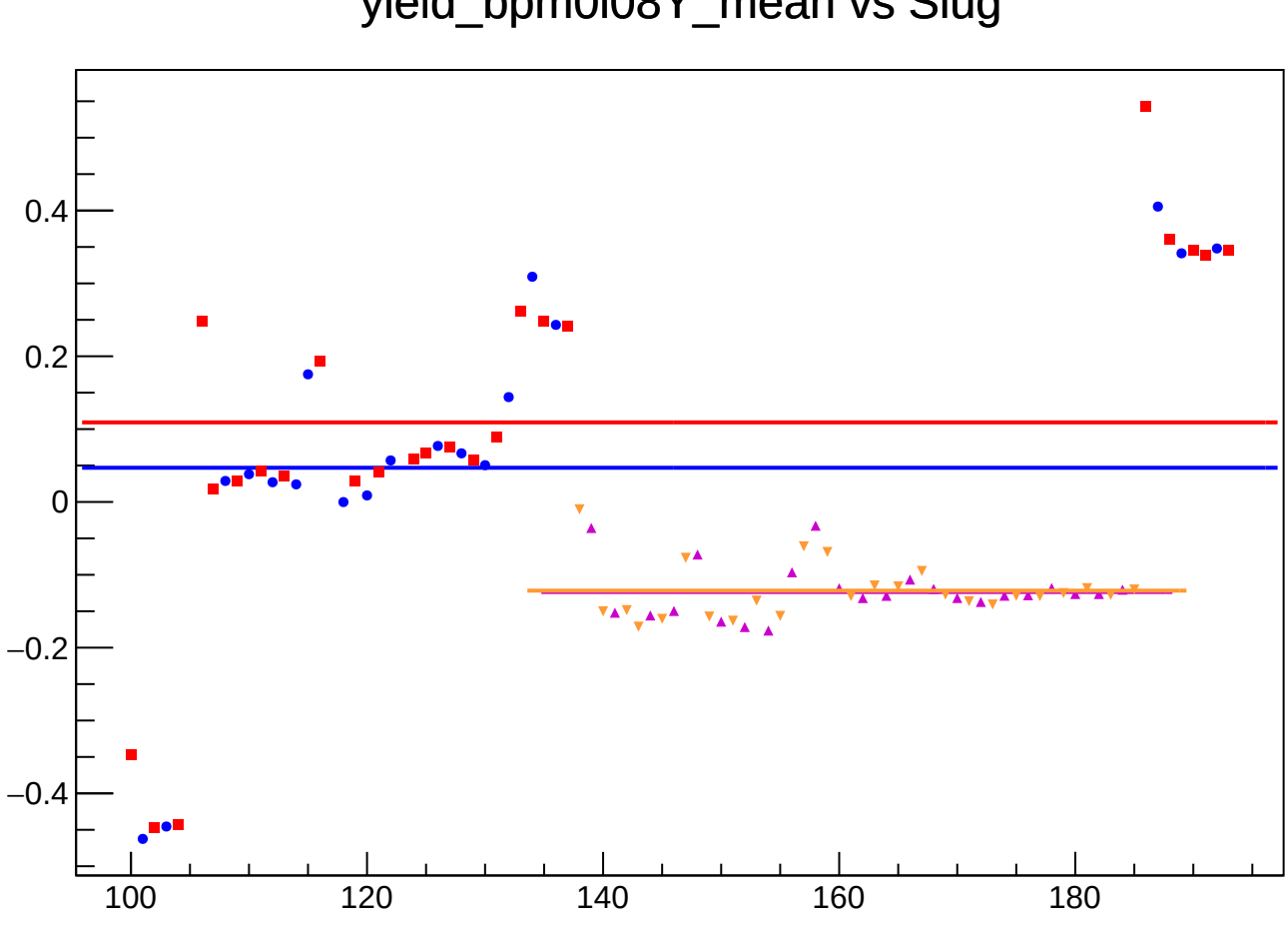
Right Out: 0.010+/-0.000 χ^2/NDF: 860692.2/23

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: 2248418.2/90

- sign 0.011+/-0.000 χ^2/NDF: 1270020.4/46



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: 0.109+/-0.000 χ^2/NDF: 43070749037.7/23

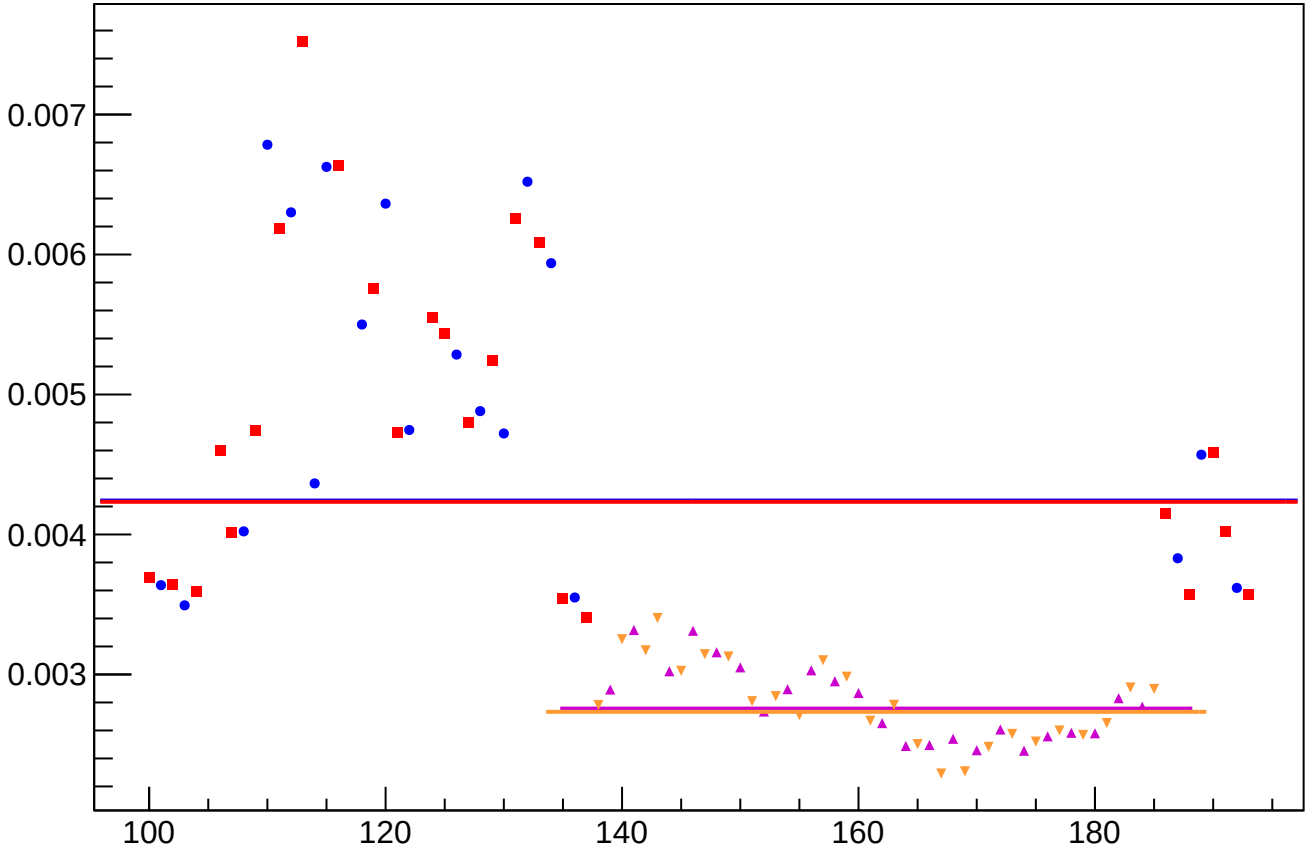
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.097+/-0.000 χ^2/NDF: 50675011408.8/43

All: -0.090+/-0.000 χ^2/NDF: 118991096703.8

- sign -0.082+/-0.000 χ^2/NDF: 68008473687.0/46

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: 871402.3/23

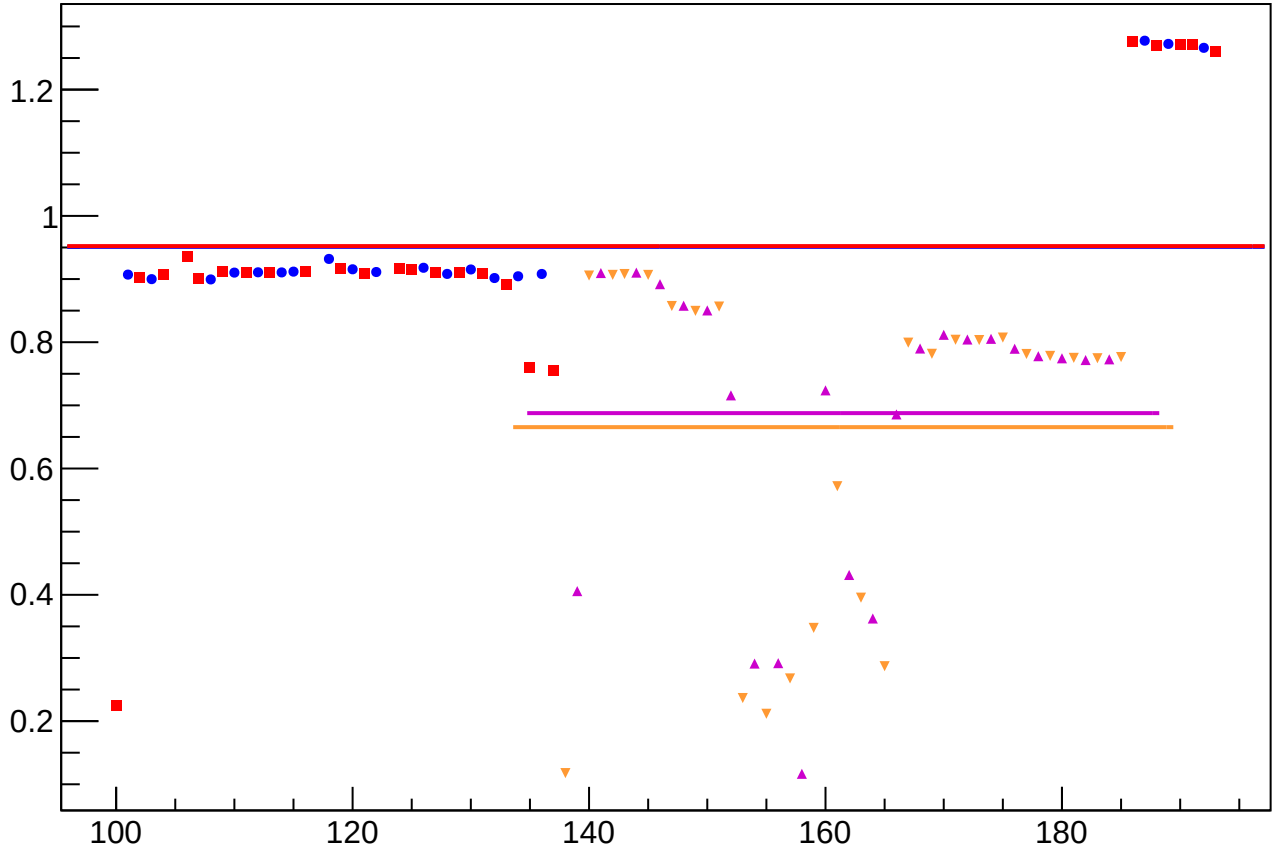
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 2783188.9/43

All: 0.003+/-0.000 χ^2/NDF: 5740910.5/90

- sign 0.003+/-0.000 χ^2/NDF: 2946158.8/46

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: 0.952+/-0.000 χ^2/NDF: 1747622890.4/23

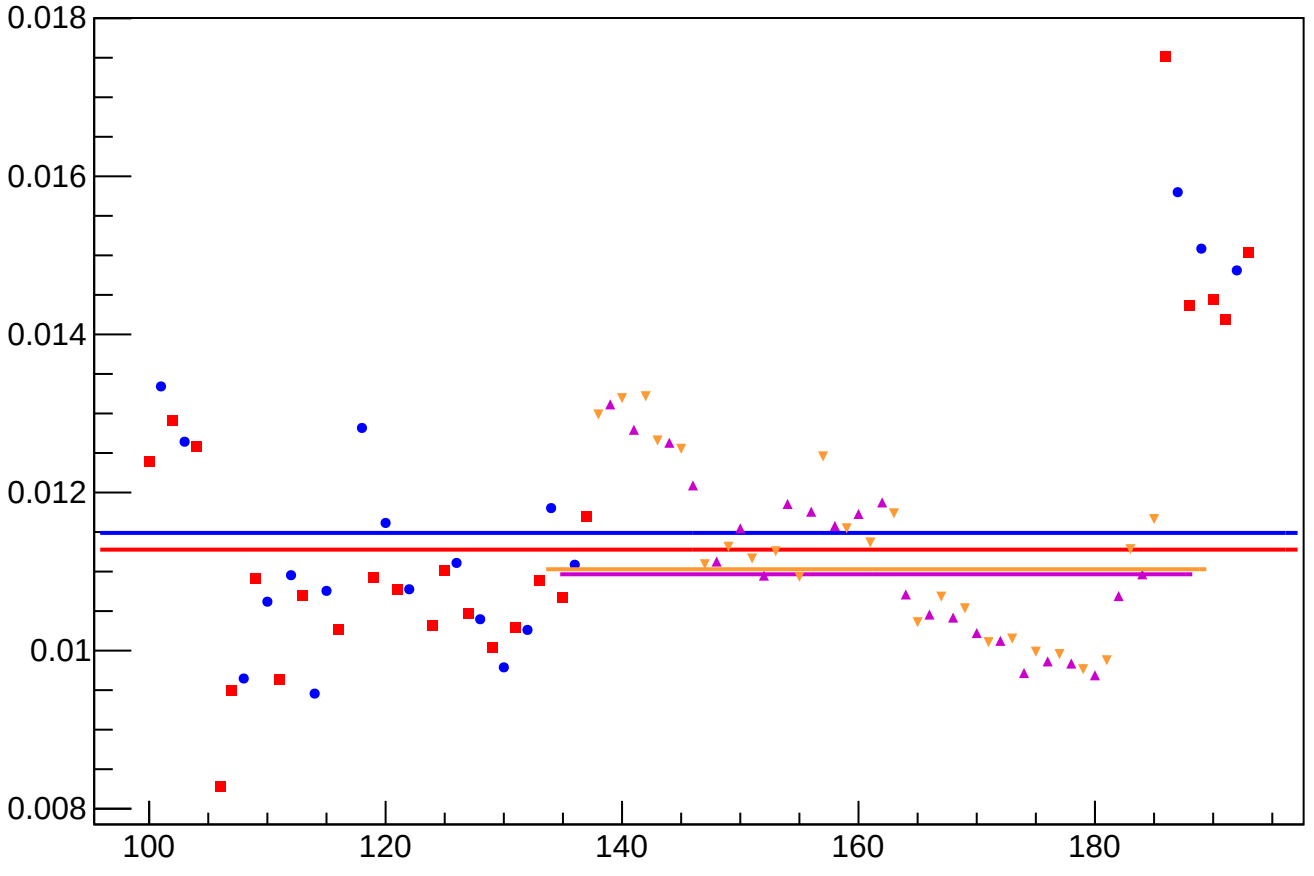
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.750+/-0.000 χ^2/NDF: 13710029437.2/43

All: 0.765+/-0.000 χ^2/NDF: 26033686763.0/9

- sign 0.779+/-0.000 χ^2/NDF: 12235042546.2/46

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: 530617.0/23

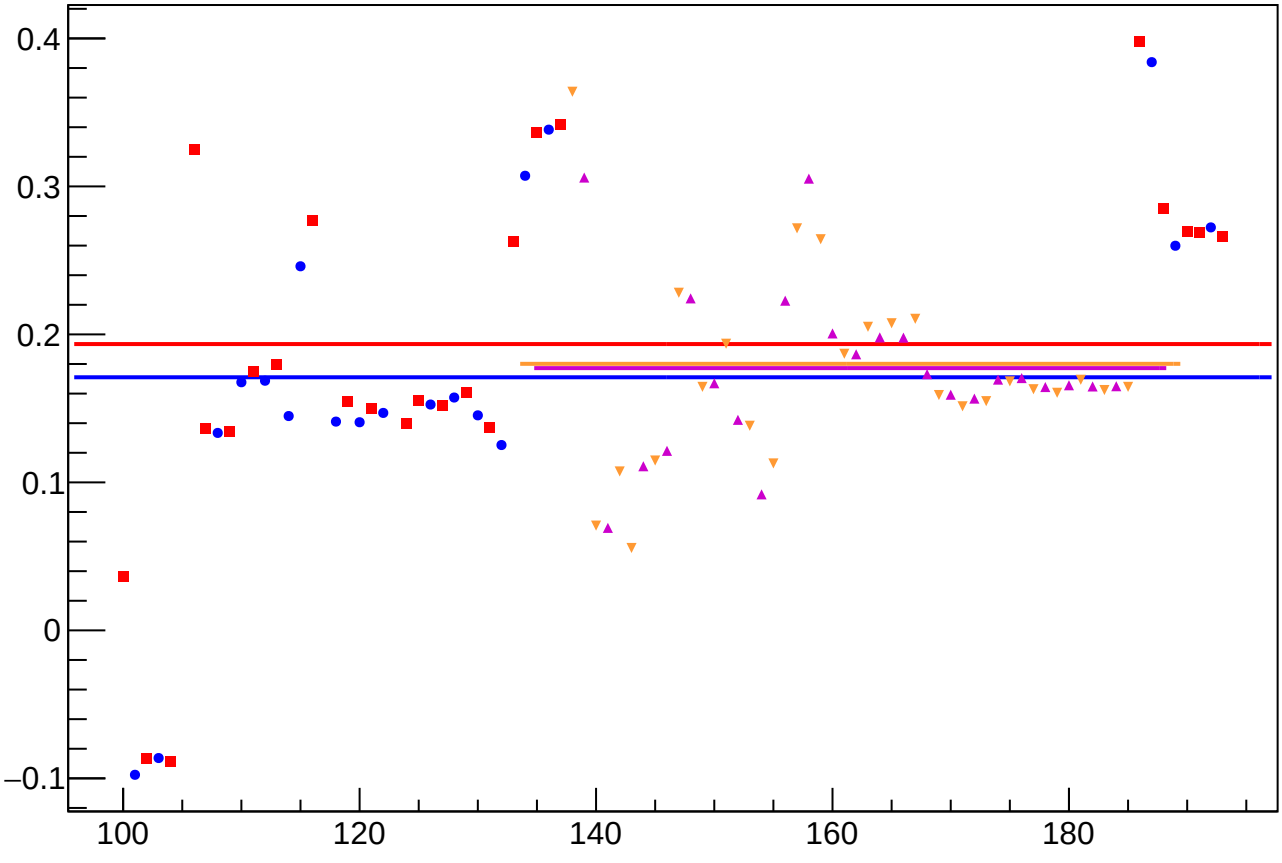
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 652578.1/43

All: 0.011+/-0.000 χ^2/NDF: 1482424.7/90

- sign 0.011+/-0.000 χ^2/NDF: 827969.9/46

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: 0.193+/-0.000 χ^2/NDF: 9269303348.8/23

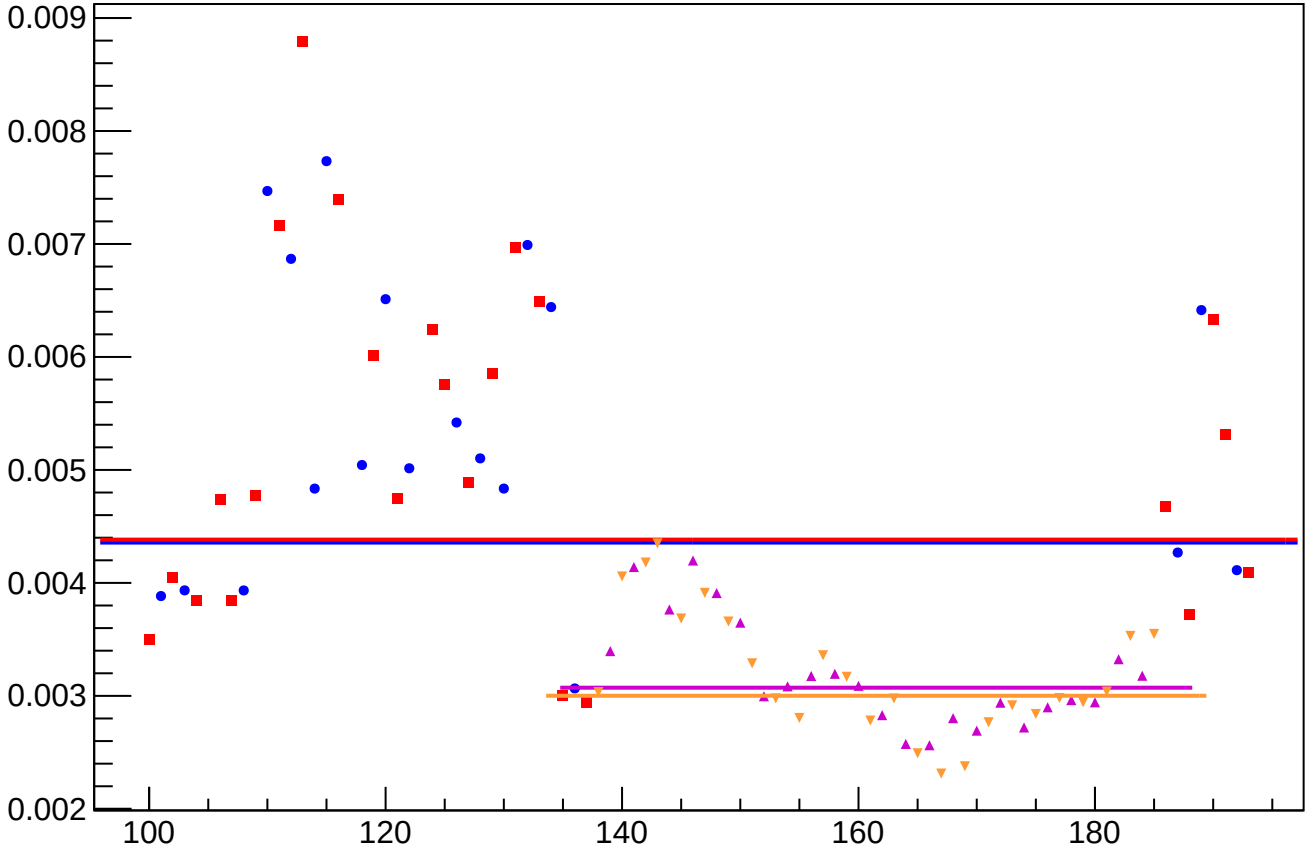
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.179+/-0.000 χ^2/NDF: 15596638746.0/43

All: 0.179+/-0.000 χ^2/NDF: 29582701489.0/9

- sign 0.180+/-0.000 χ^2/NDF: 13982464595.1/46

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

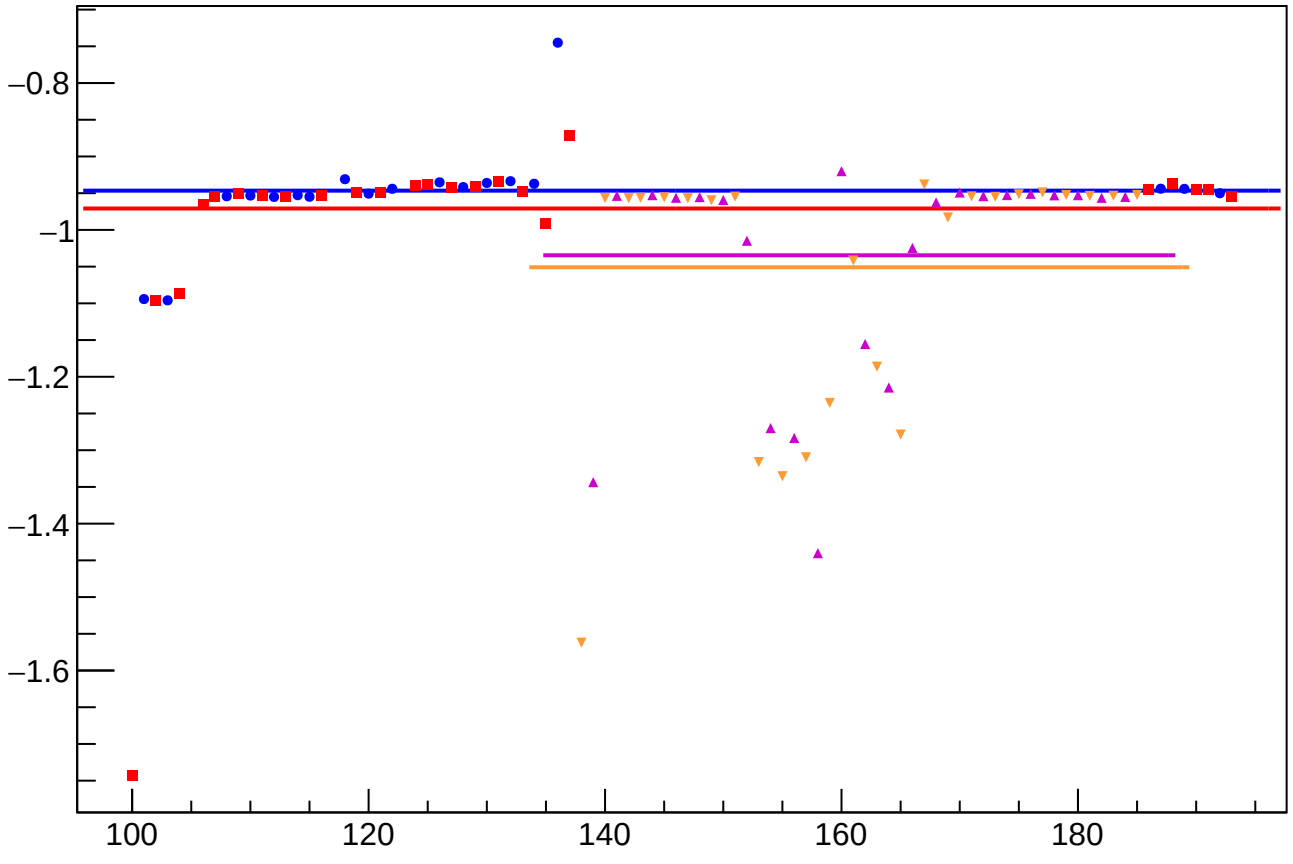
Right Out: 0.004+/-0.000 χ^2/NDF: 1226743.3/23

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: 6093636.8/90

- sign 0.003+/-0.000 χ^2/NDF: 3014392.8/46



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: -0.971+/-0.000 χ^2/NDF: 475982530.7/23

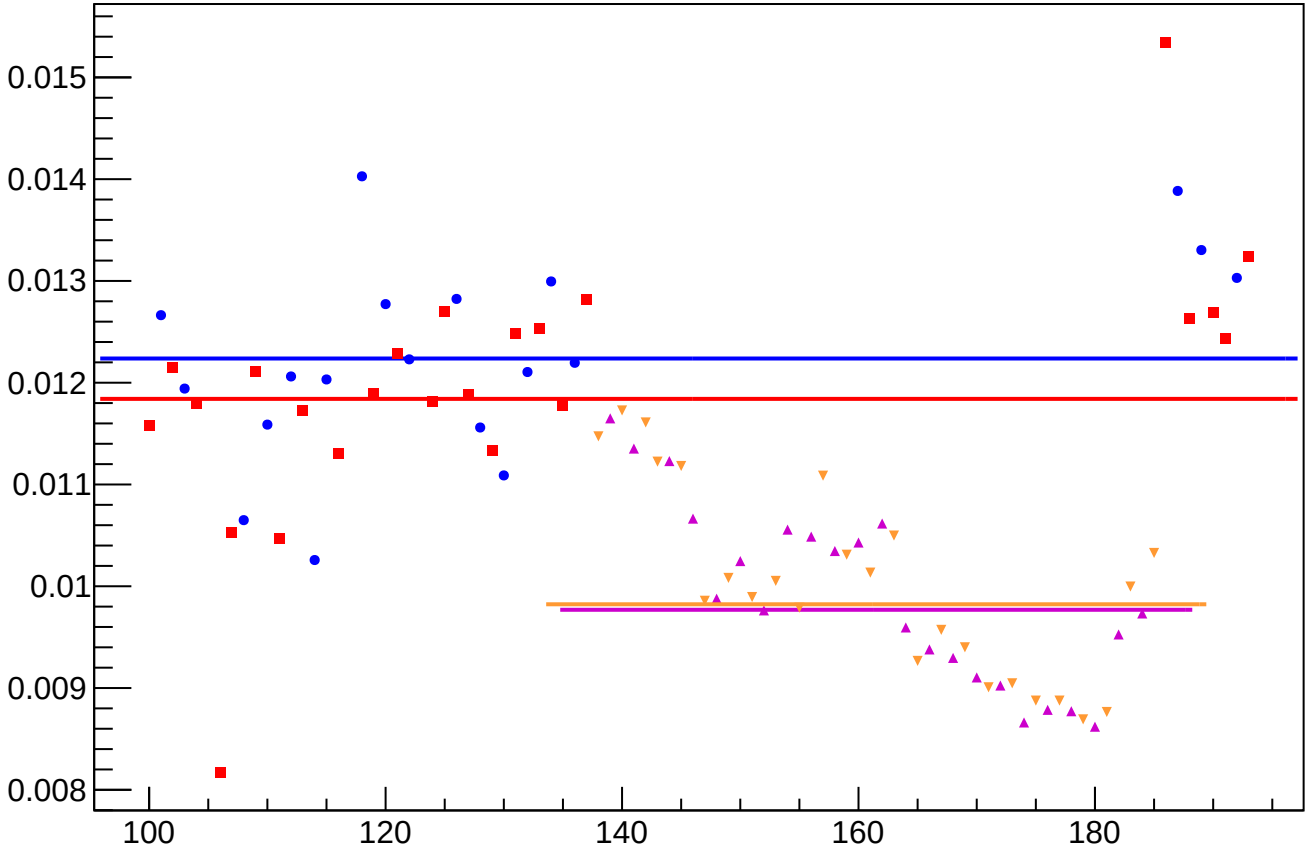
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.027+/-0.000 χ^2/NDF: 5963472190.1/43

All: -1.022+/-0.000 χ^2/NDF: 10582742189.5/

- sign -1.017+/-0.000 χ^2/NDF: 4606734030.0/46

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 84409.8/18

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

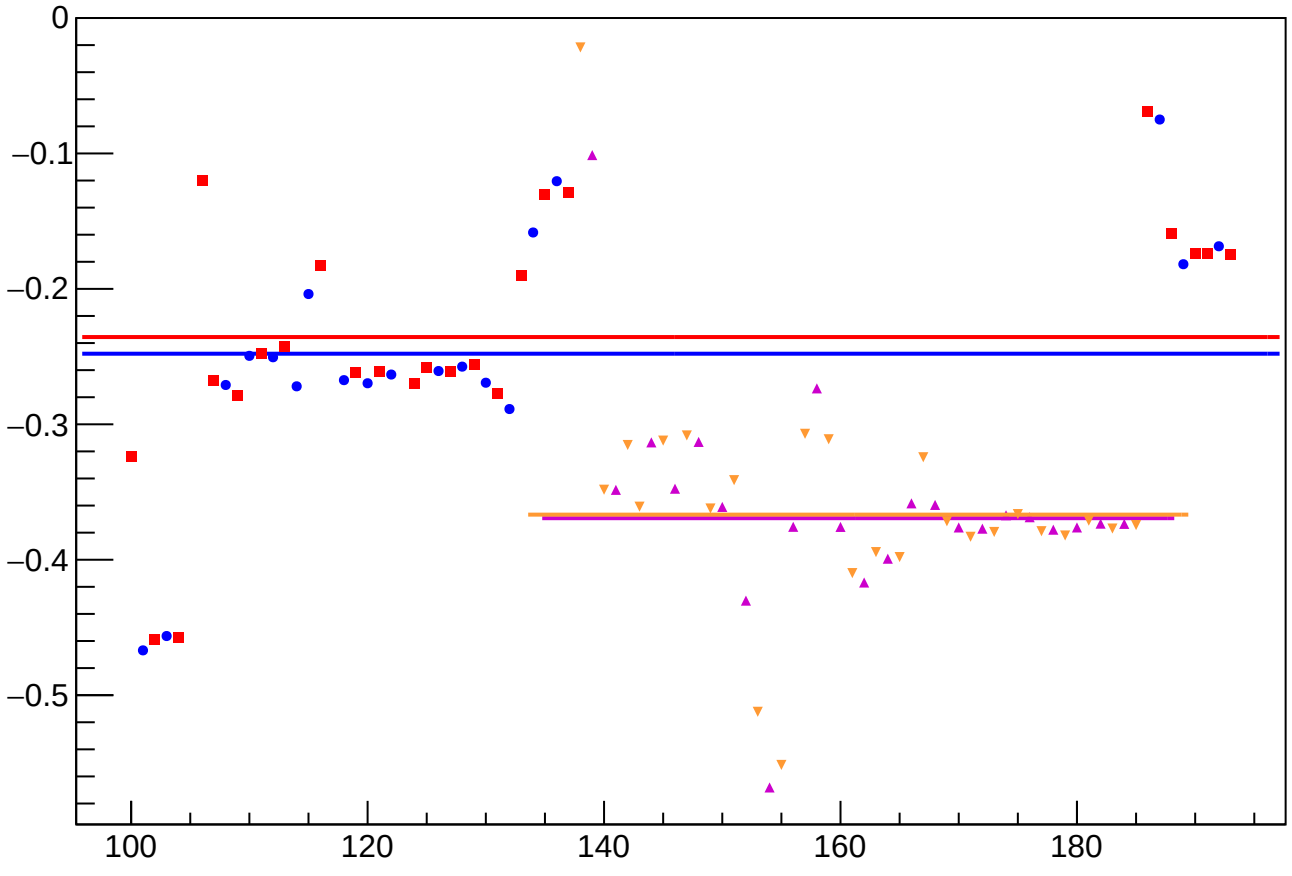
Right Out: 0.012+/-0.000 χ^2/NDF: 231380.9/23

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: 1836735.6/90

- sign 0.010+/-0.000 χ^2/NDF: 947230.3/46



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: -0.236+/-0.000 χ^2/NDF: 6615358006.3/23

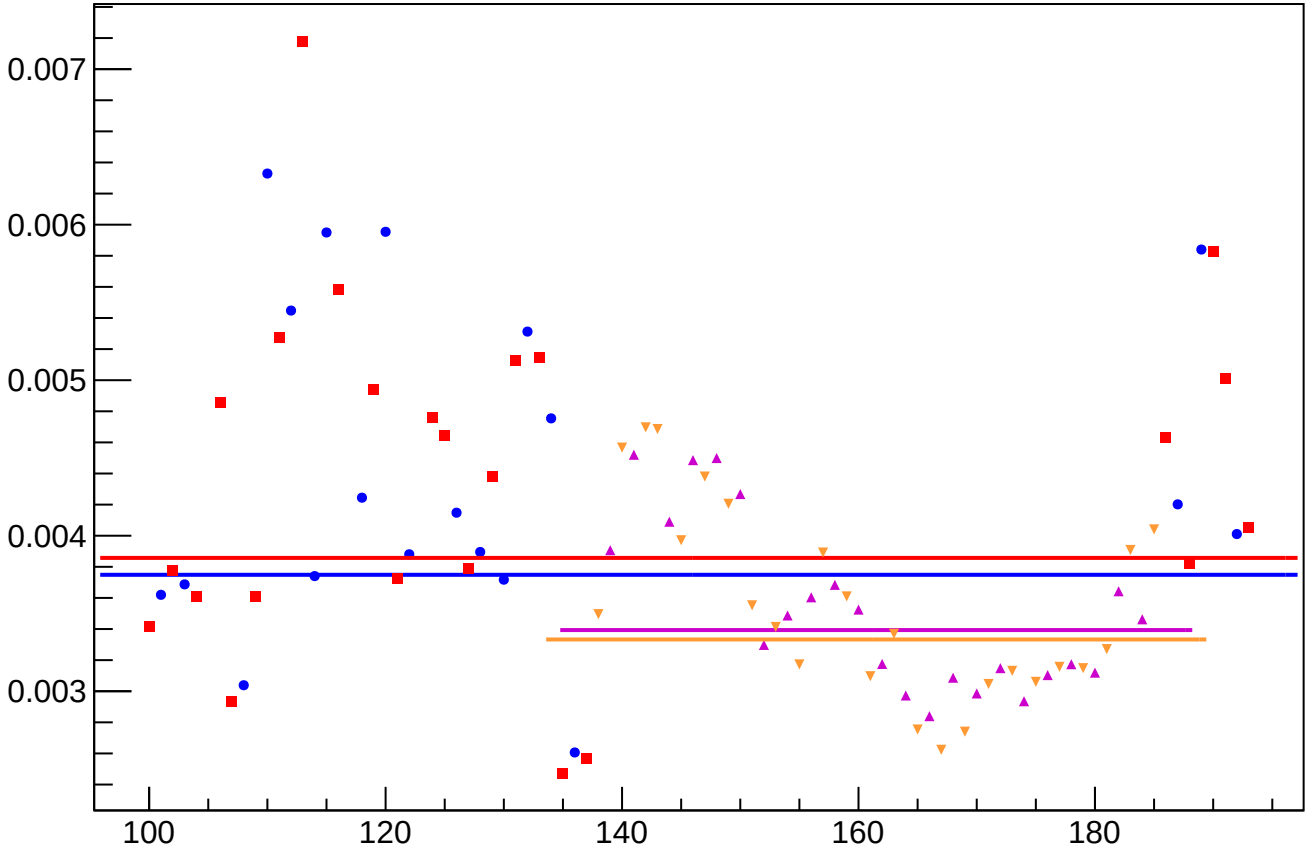
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.337+/-0.000 χ^2/NDF: 24334783160.5/43

All: -0.334+/-0.000 χ^2/NDF: 45872878418.2/

- sign -0.331+/-0.000 χ^2/NDF: 21501354556.8/46

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: 1027338.7/23

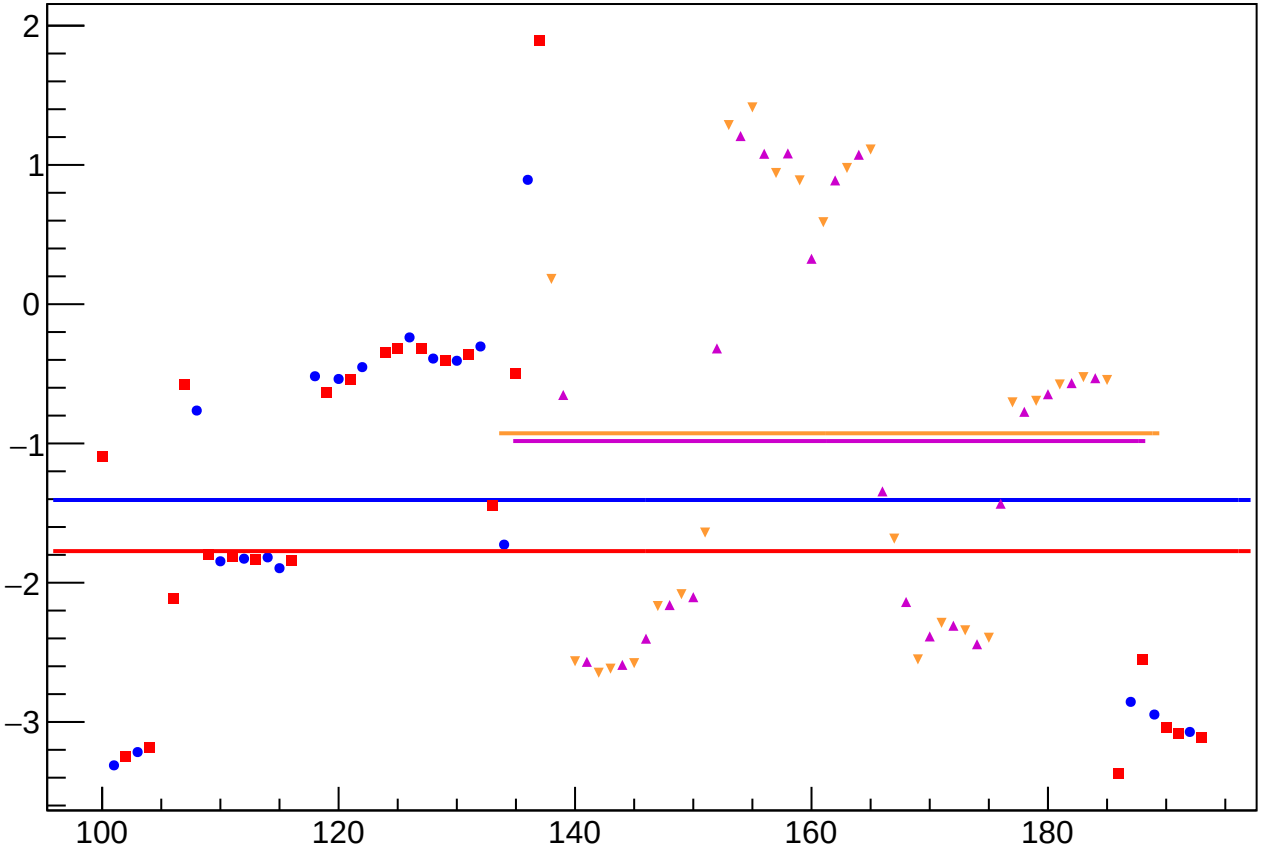
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1872043.2/43

All: 0.003+/-0.000 χ^2/NDF: 3725268.7/90

- sign 0.004+/-0.000 χ^2/NDF: 1836773.4/46

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

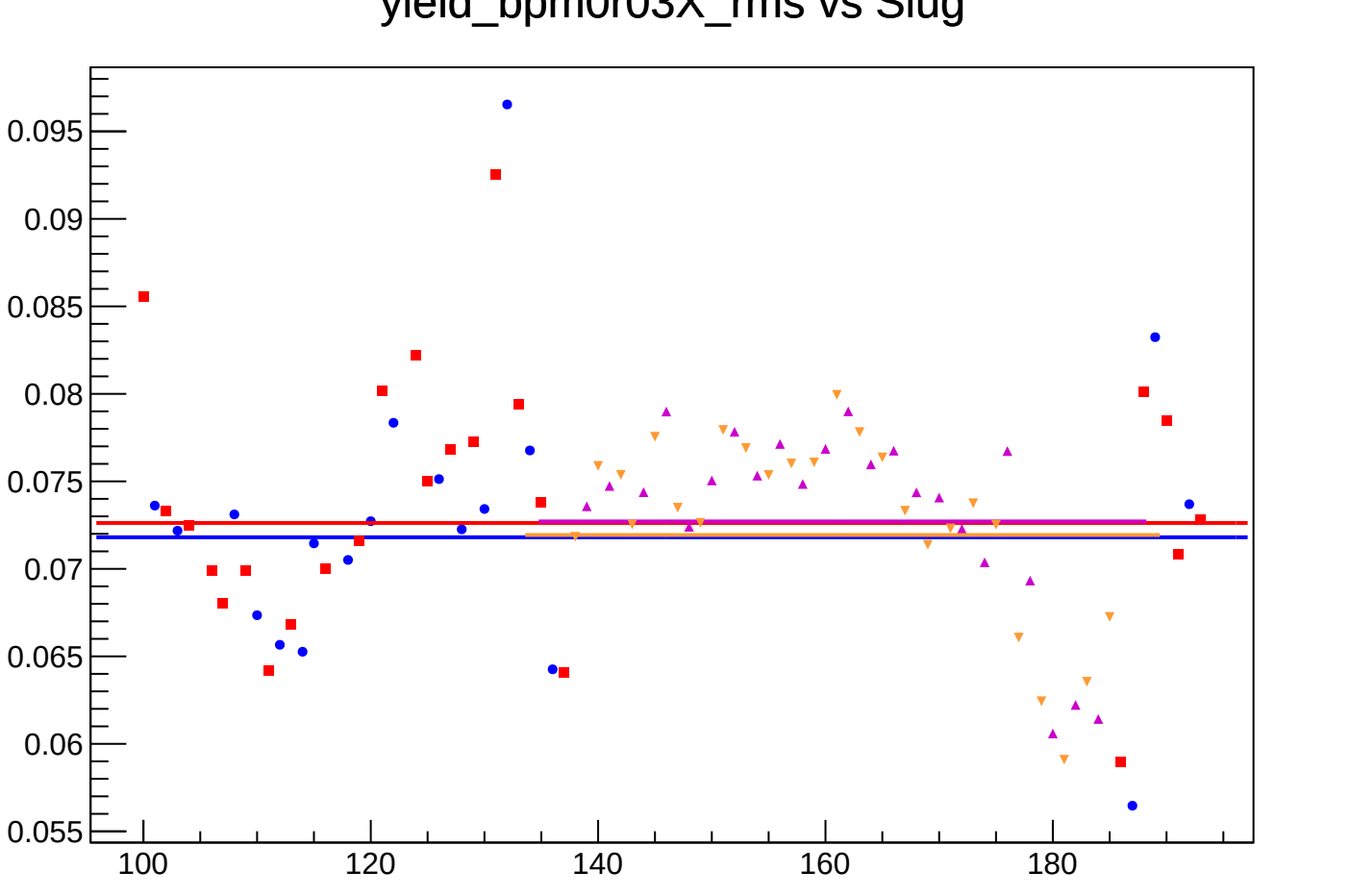
Right Out: -1.773+/-0.000 χ^2/NDF: 2943941833.6/23

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.077+/-0.000 χ^2/NDF: 10819810631.1/43

All: -1.170+/-0.000 χ^2/NDF: 20531405681.2/

- sign -1.265+/-0.000 χ^2/NDF: 9618261498.9/46



Right In: 0.072+/-0.000 χ^2/NDF: 148005.5/18

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

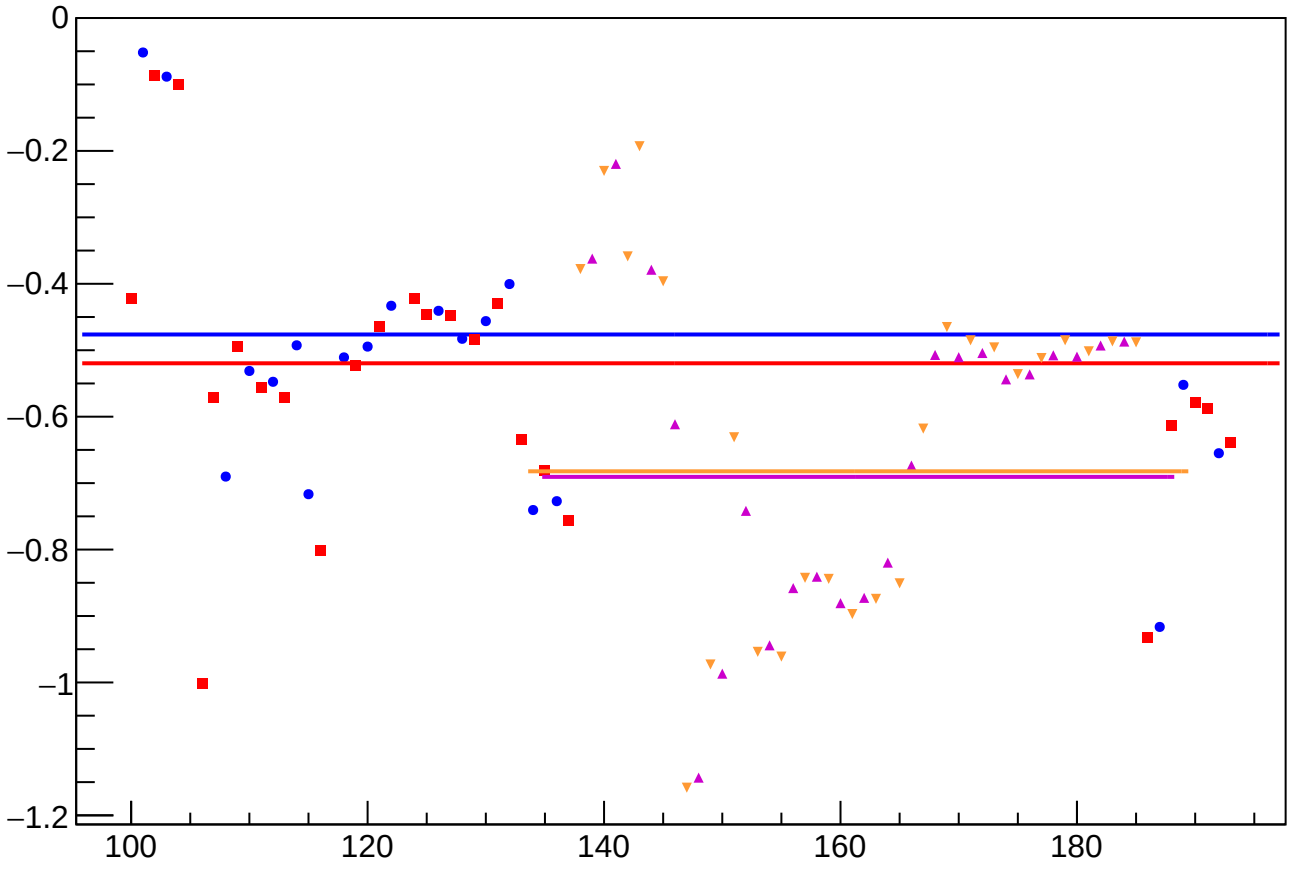
Right Out: 0.073+/-0.000 χ^2/NDF: 160308.7/23

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: 744179.3/90

- sign 0.073+/-0.000 χ^2/NDF: 357336.0/46



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: -0.520+/-0.000 χ^2/NDF: 4371868947.1/23

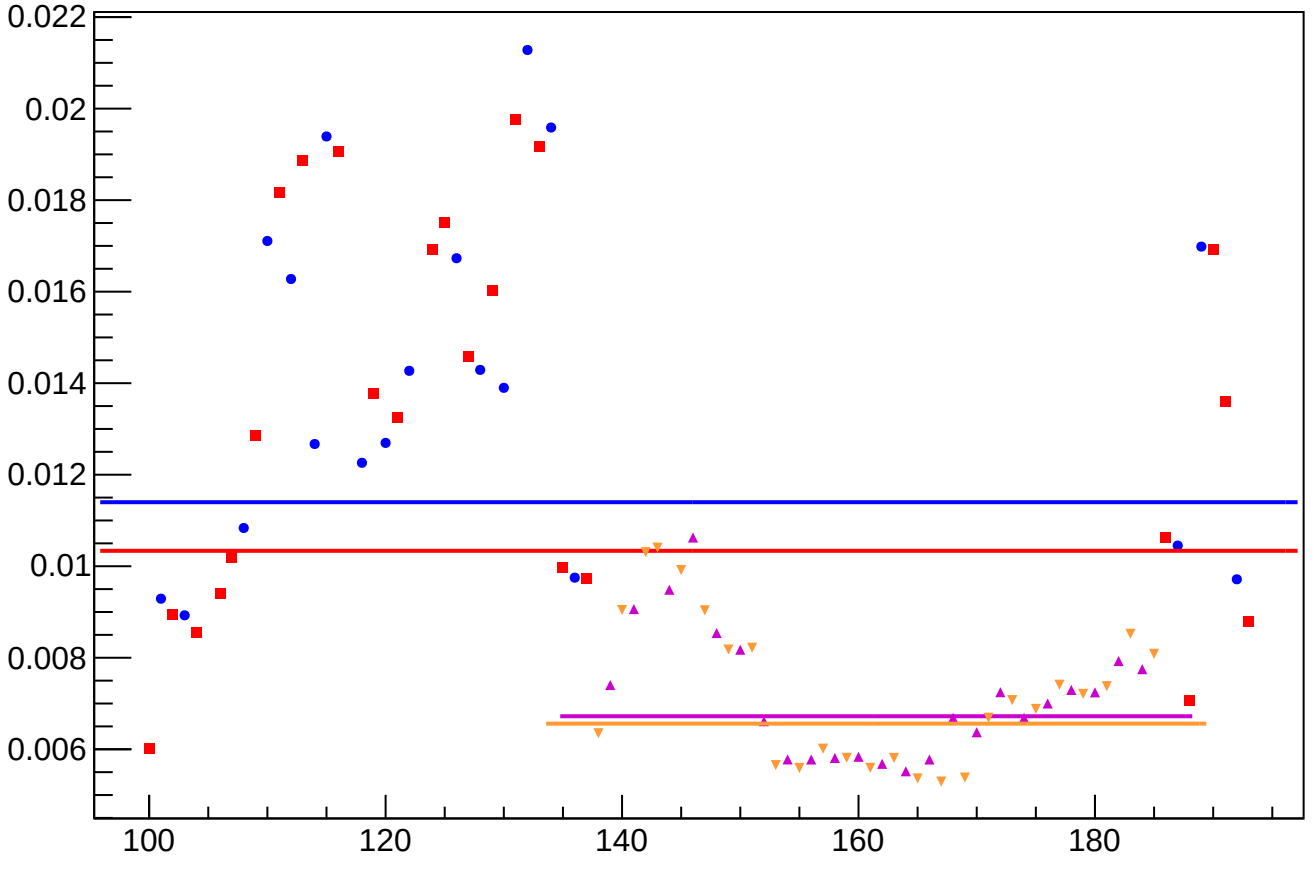
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.657+/-0.000 χ^2/NDF: 27799437163.4/43

All: -0.659+/-0.000 χ^2/NDF: 50880851634.8/

- sign -0.661+/-0.000 χ^2/NDF: 23076338797.7/46

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: 0.010+/-0.000 χ^2/NDF: 1783056.2/23

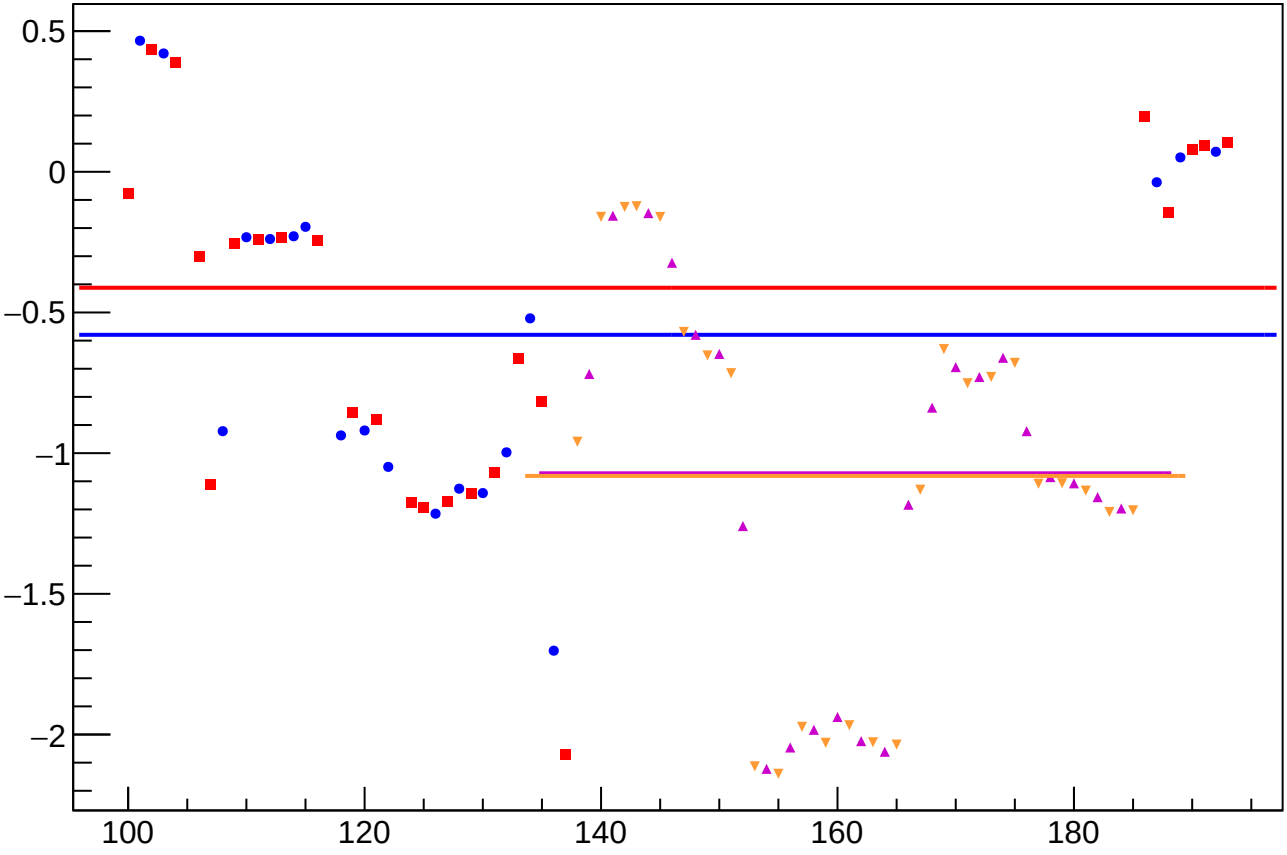
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4720701.0/43

All: 0.007+/-0.000 χ^2/NDF: 9121635.5/90

- sign 0.007+/-0.000 χ^2/NDF: 4386345.4/46

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: -0.412+/-0.000 χ^2/NDF: 453822750.0/23

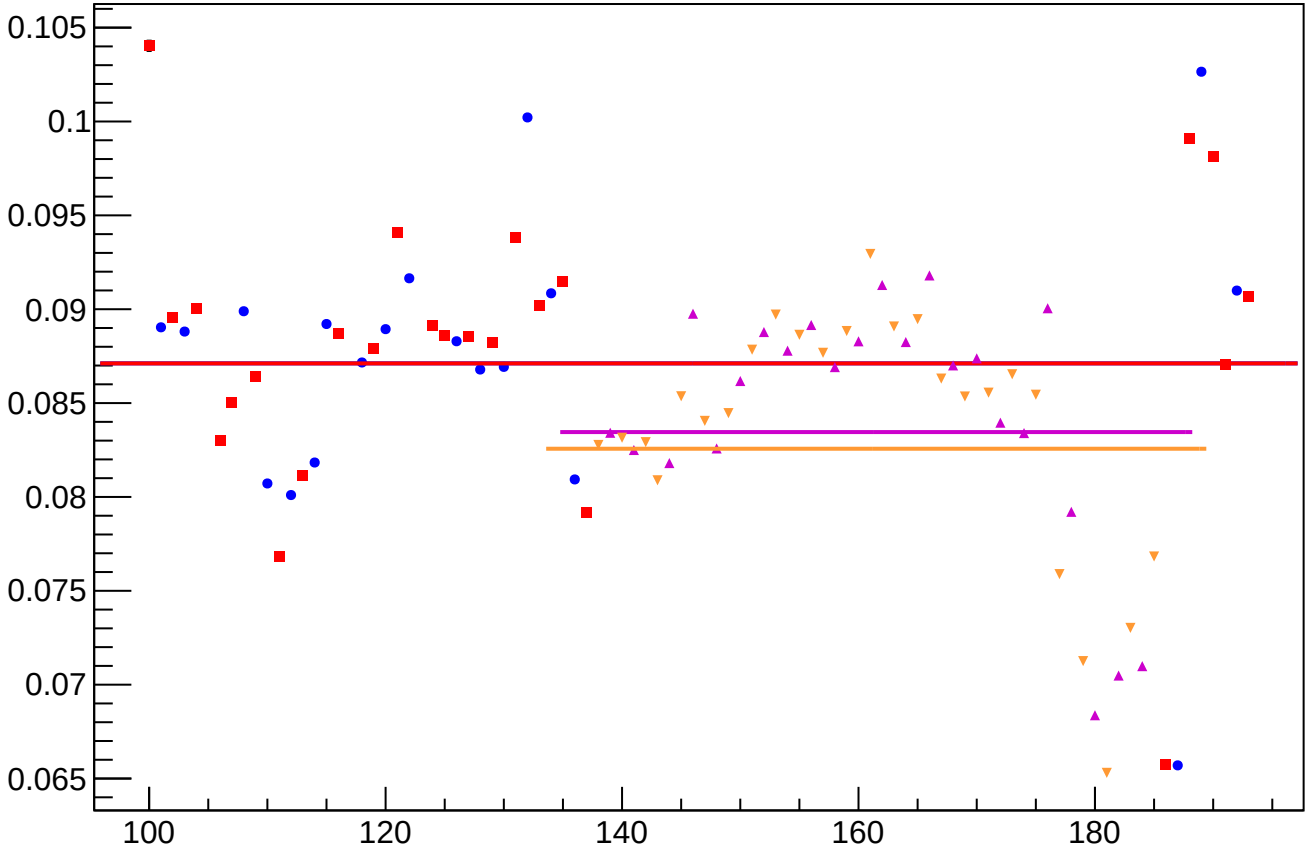
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.934+/-0.000 χ^2/NDF: 1896517205.9/43

All: -0.891+/-0.000 χ^2/NDF: 3723035860.1/9

- sign -0.848+/-0.000 χ^2/NDF: 1812027087.3/46

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: 171258.6/23

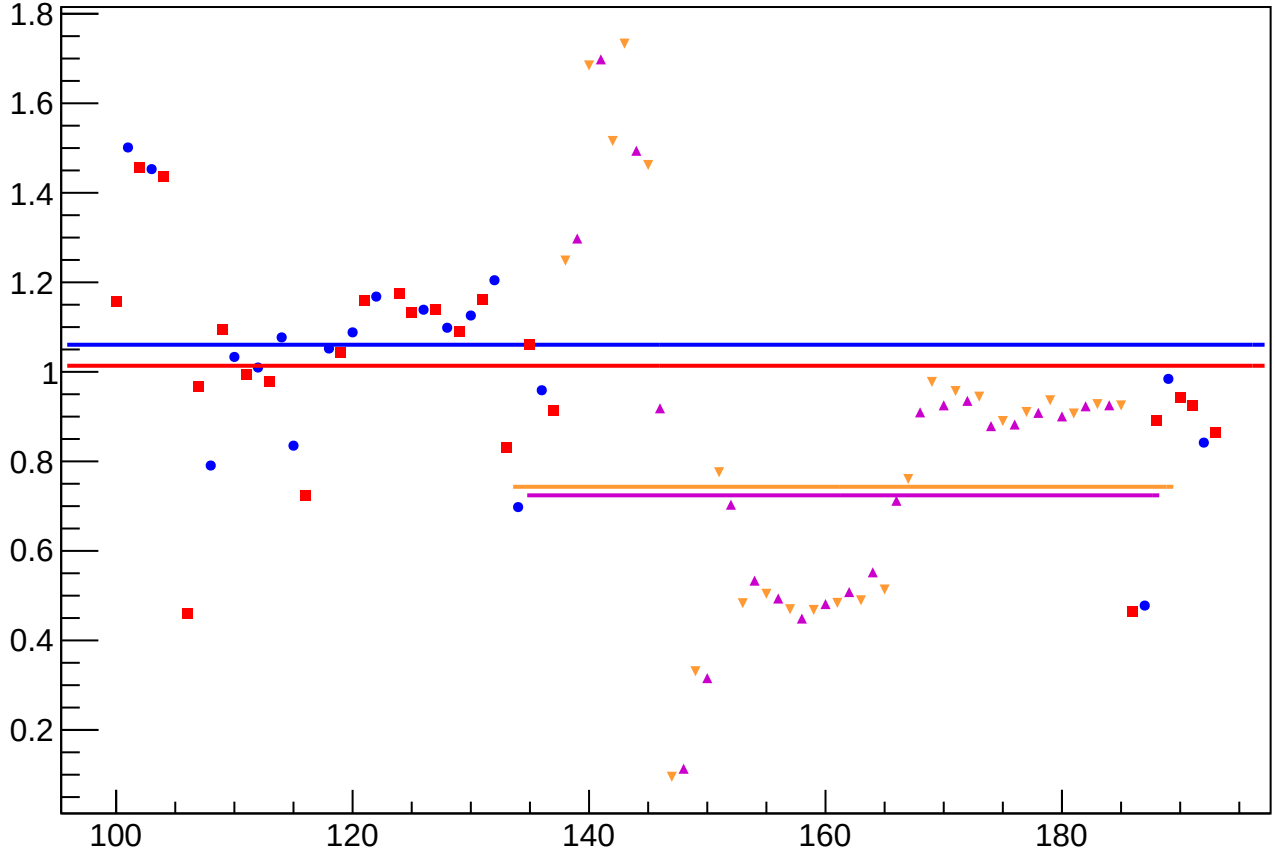
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.084+/-0.000 χ^2/NDF: 436155.5/43

All: 0.084+/-0.000 χ^2/NDF: 871844.1/90

- sign 0.085+/-0.000 χ^2/NDF: 433204.8/46

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: 1.014+/-0.000 χ^2/NDF: 2665424328.1/23

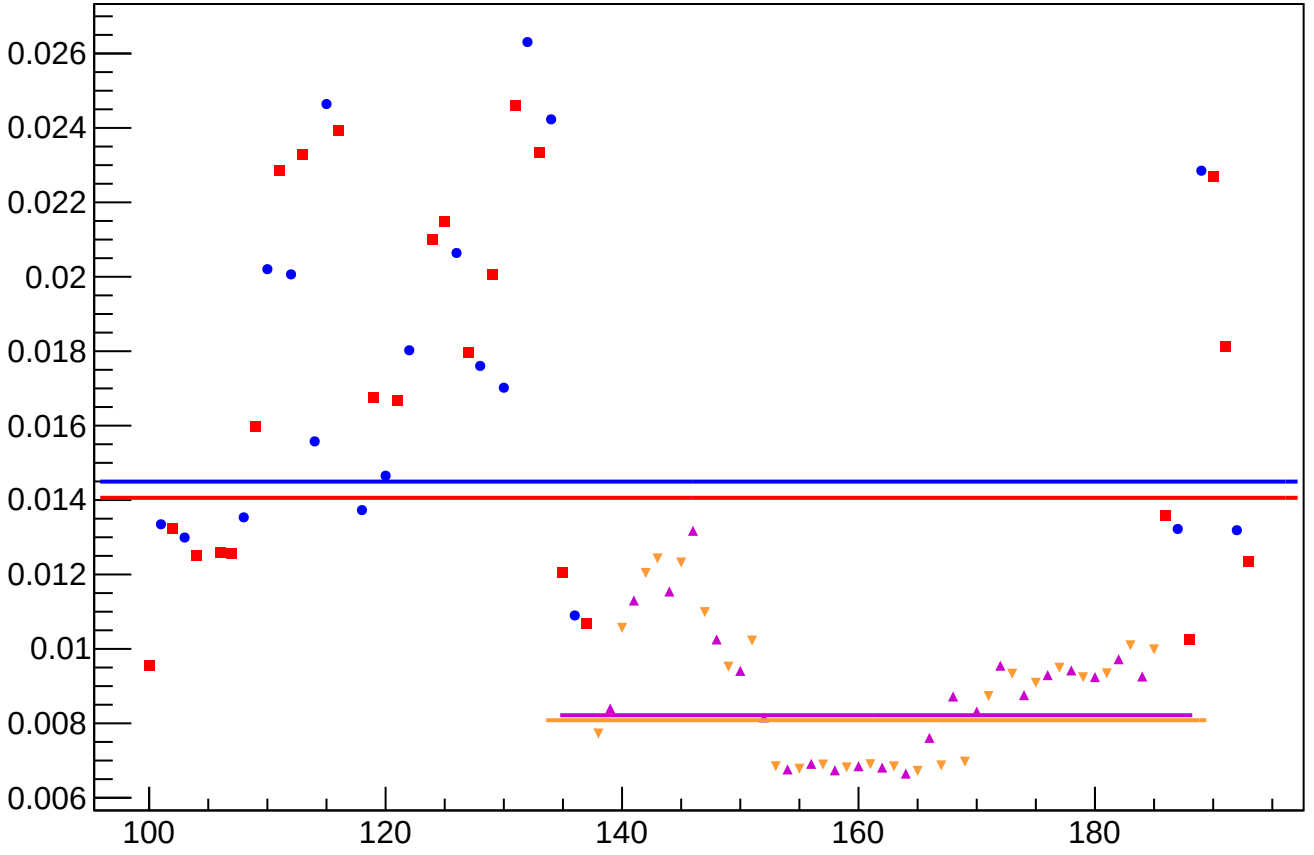
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.780+/-0.000 χ^2/NDF: 37872856131.5/43

All: 0.773+/-0.000 χ^2/NDF: 69240150160.6/9

- sign 0.766+/-0.000 χ^2/NDF: 31338964566.0/46

yield_bpm0r05Y_rms vs Slug



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: 1290006.9/23

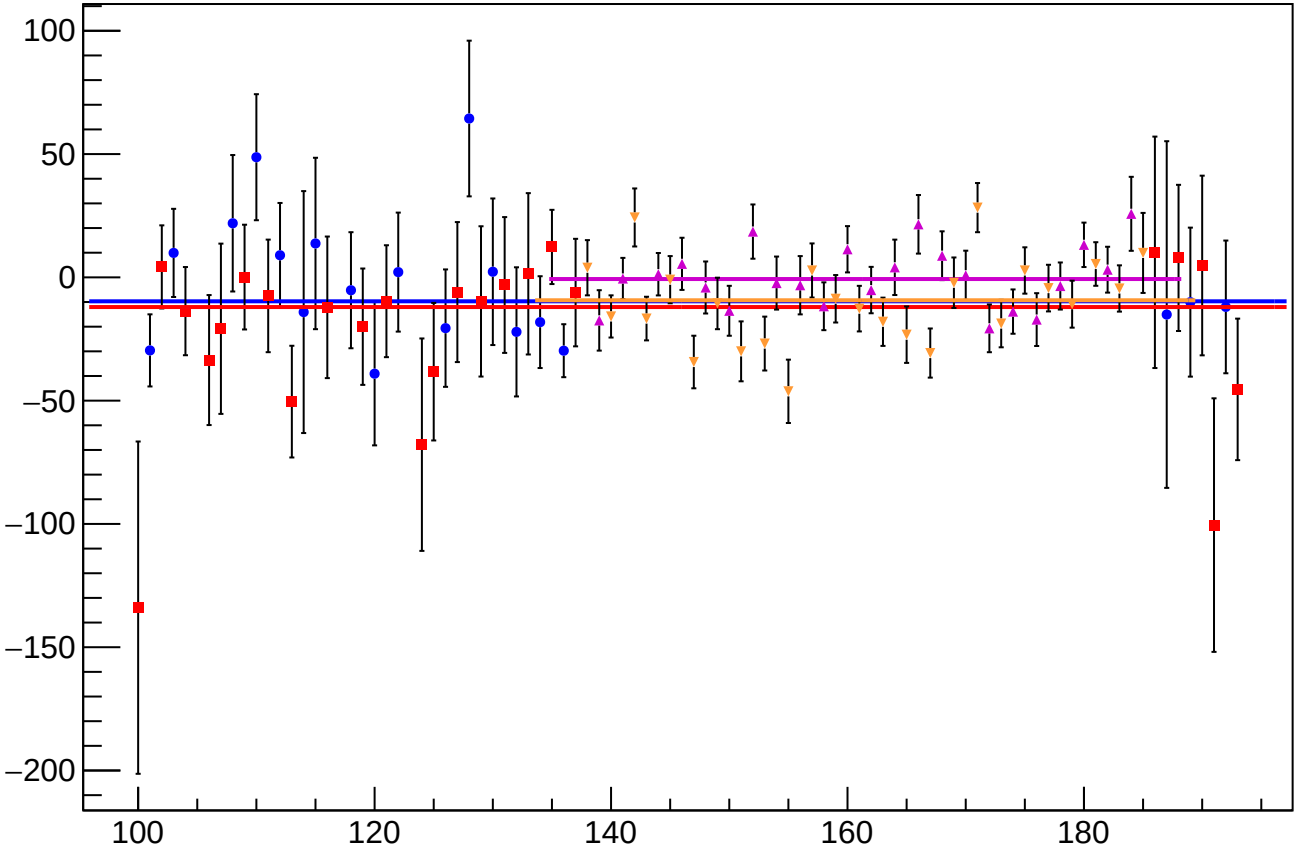
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4859633.5/43

All: 0.009+/-0.000 χ^2/NDF: 9754303.1/90

- sign 0.009+/-0.000 χ^2/NDF: 4877440.7/46

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: -12.040+/-5.197 χ^2/NDF: 19.1/23

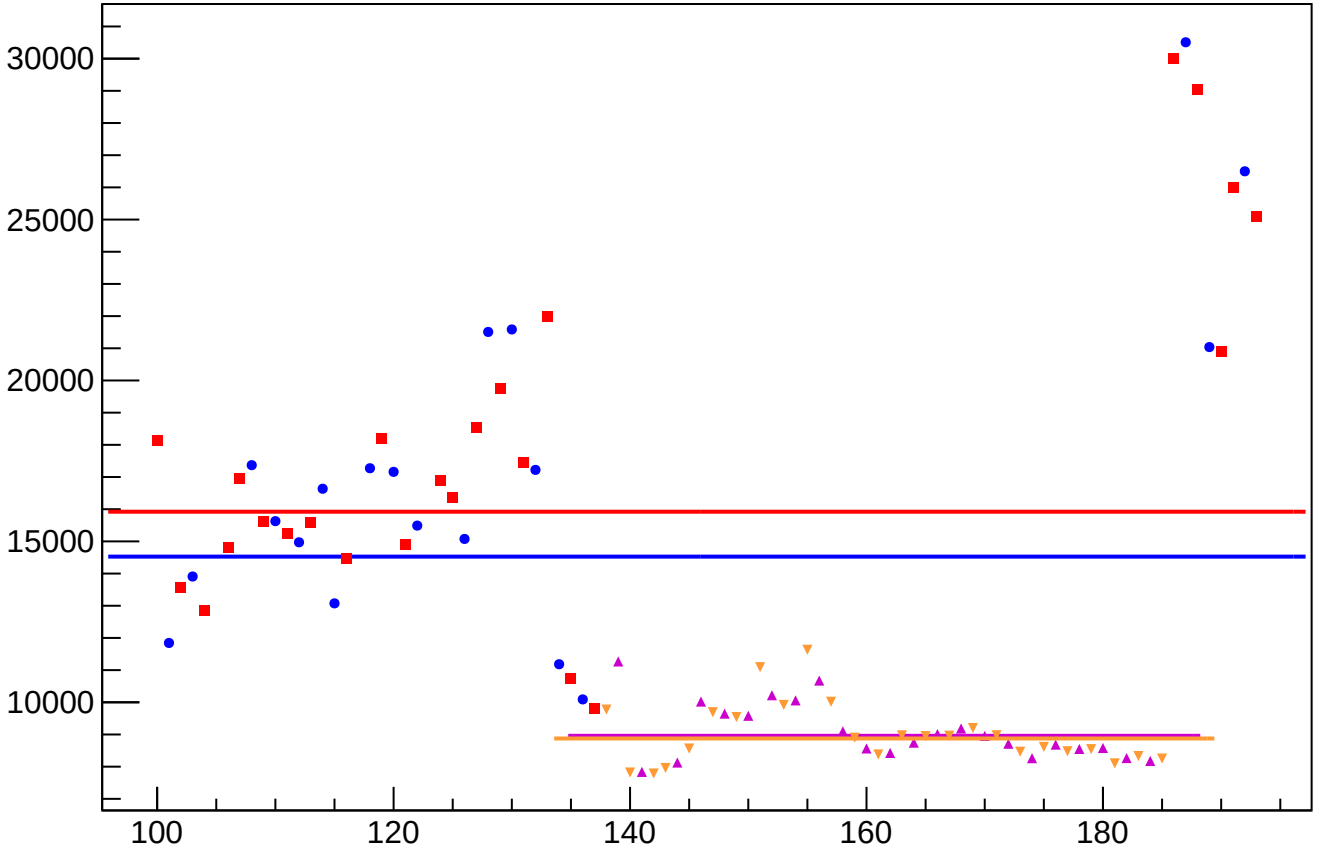
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.349+/-1.887 χ^2/NDF: 83.1/43

All: -5.930+/-1.356 χ^2/NDF: 142.5/90

- sign -2.277+/-1.950 χ^2/NDF: 52.6/46

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: 15922.323+/-3.675 χ^2/NDF: 1545098.6/23

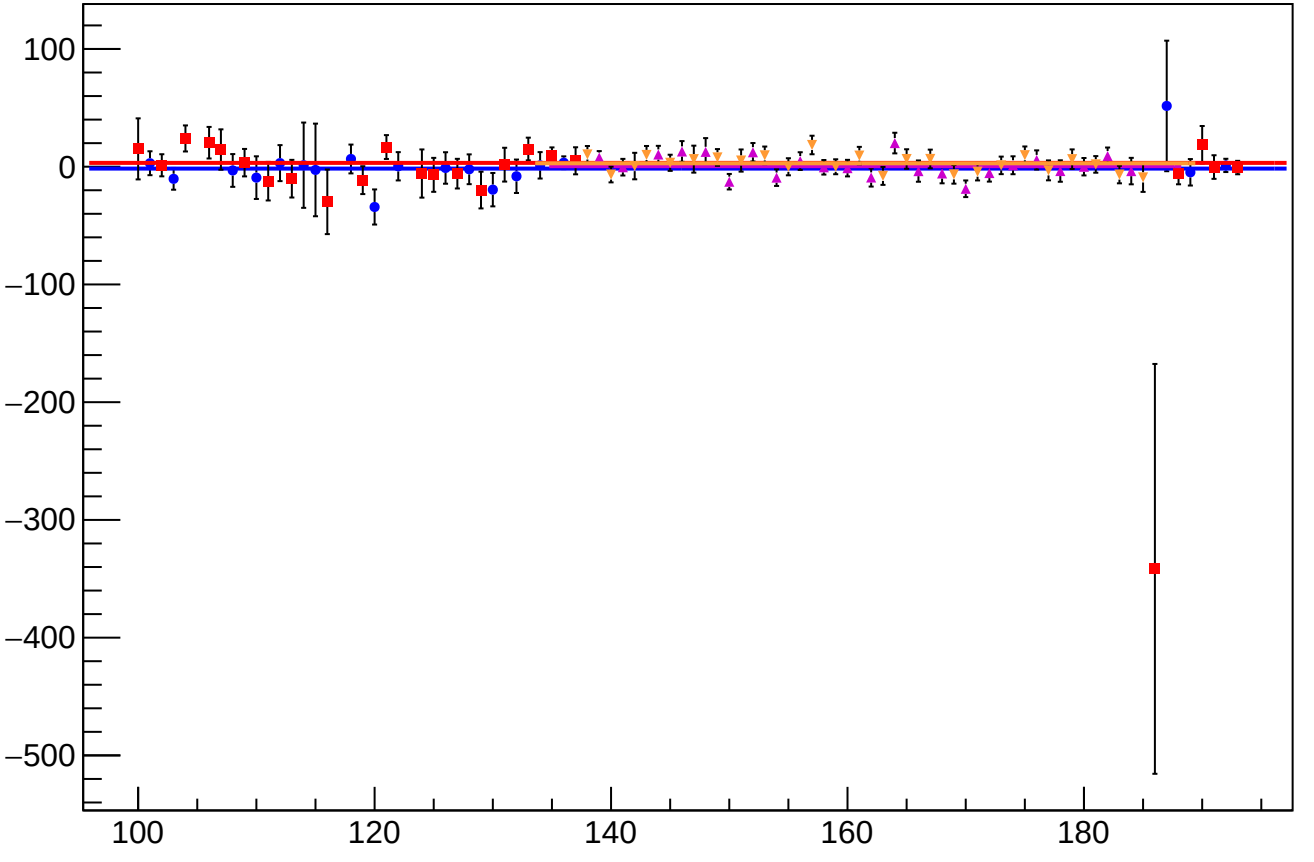
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9648.154+/-1.334 χ^2/NDF: 3844755.3/43

All: 9789.024+/-0.959 χ^2/NDF: 8800131.1/90

- sign 9939.564+/-1.379 χ^2/NDF: 4932311.0/46

diff_bpm4aY_mean vs Slug



Right In: -1.604+/-2.525 χ^2/NDF: 10.6/18

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: 3.240+/-2.355 χ^2/NDF: 24.3/23

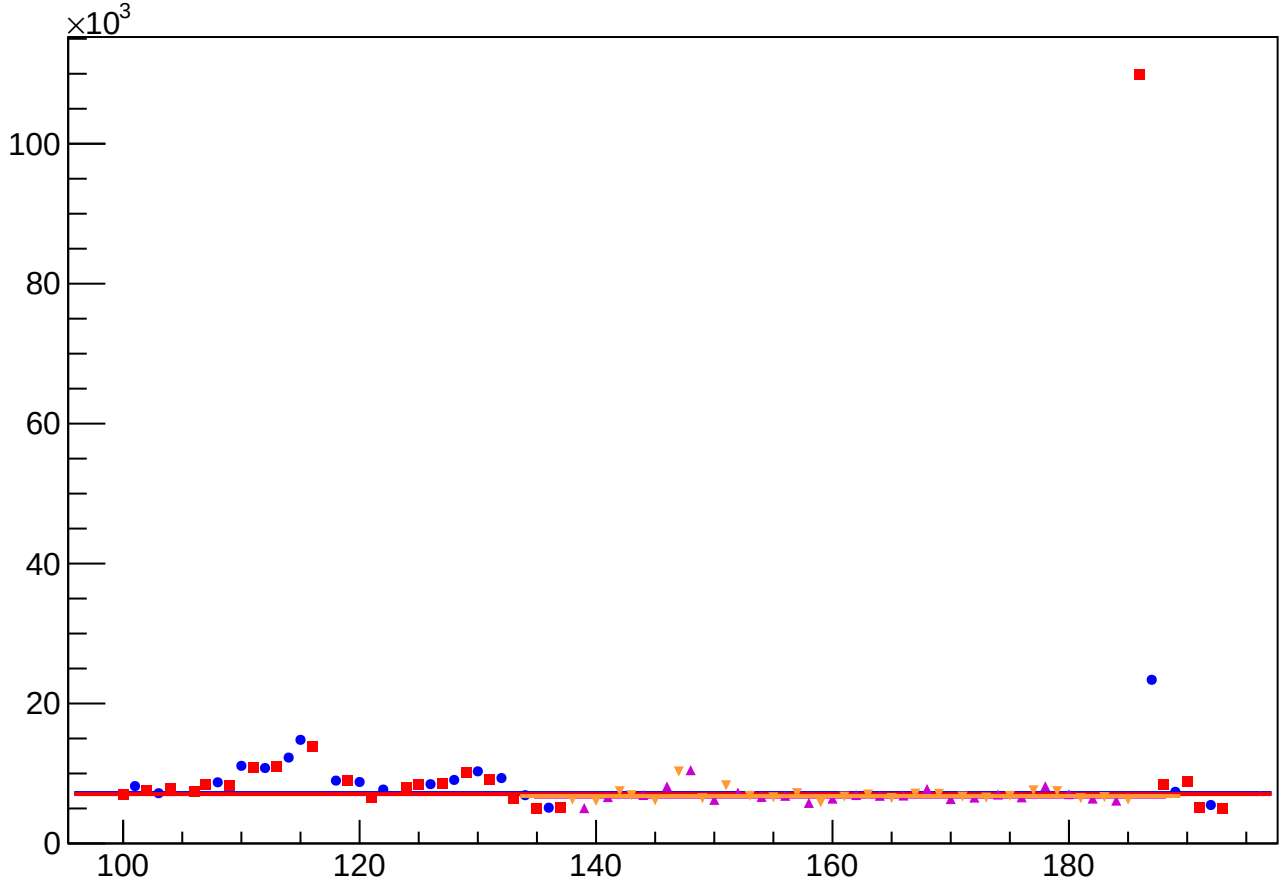
Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 1.647+/-1.323 χ^2/NDF: 32.3/43

All: 1.483+/-0.932 χ^2/NDF: 90.4/90

- sign 1.321+/-1.313 χ^2/NDF: 58.0/46

diff_bpm4aY_rms vs Slug



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: 7049.889+/-1.666 χ^2/NDF: 1985154.8/23

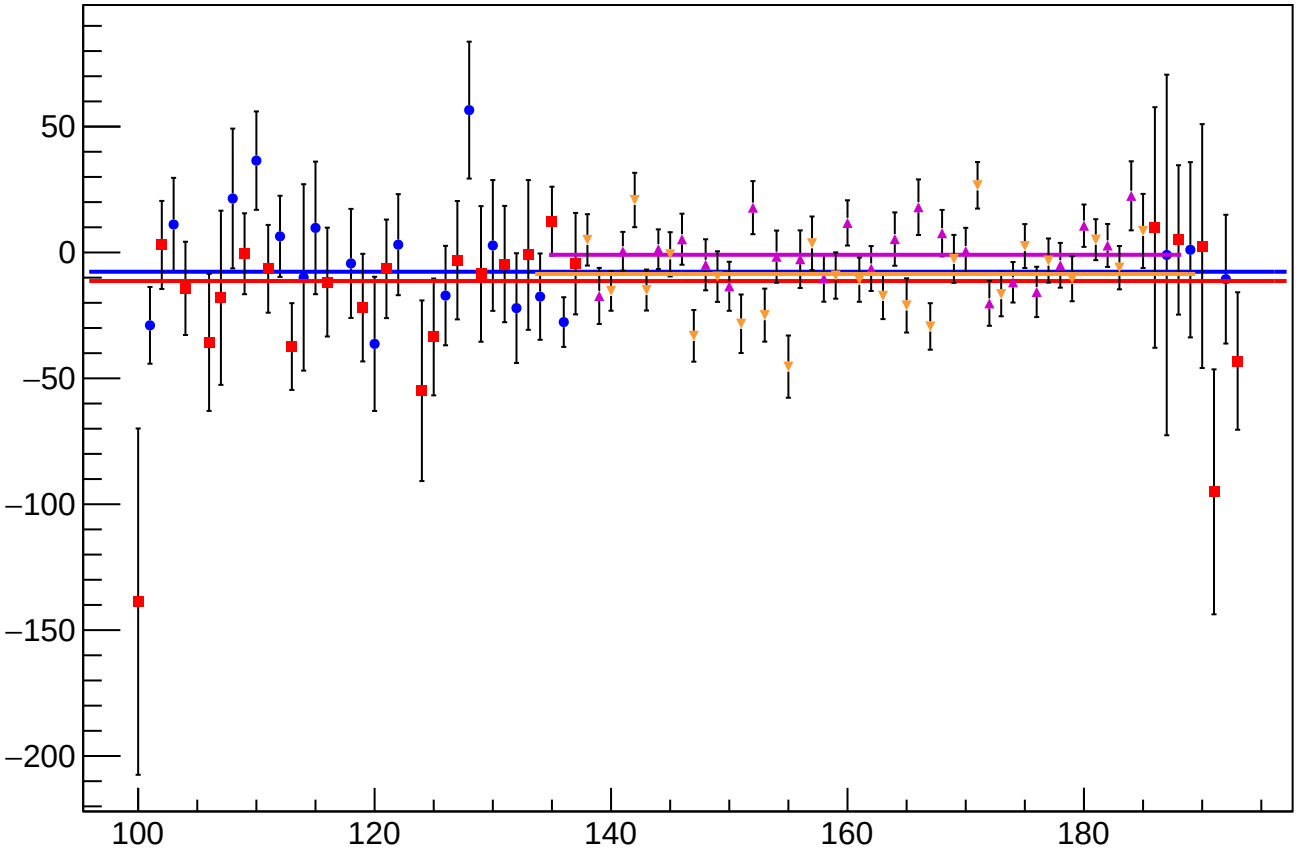
Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6893.798+/-0.936 χ^2/NDF: 1725992.4/43

All: 6847.296+/-0.659 χ^2/NDF: 4368589.1/90

- sign 6801.513+/-0.928 χ^2/NDF: 2637694.8/46

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

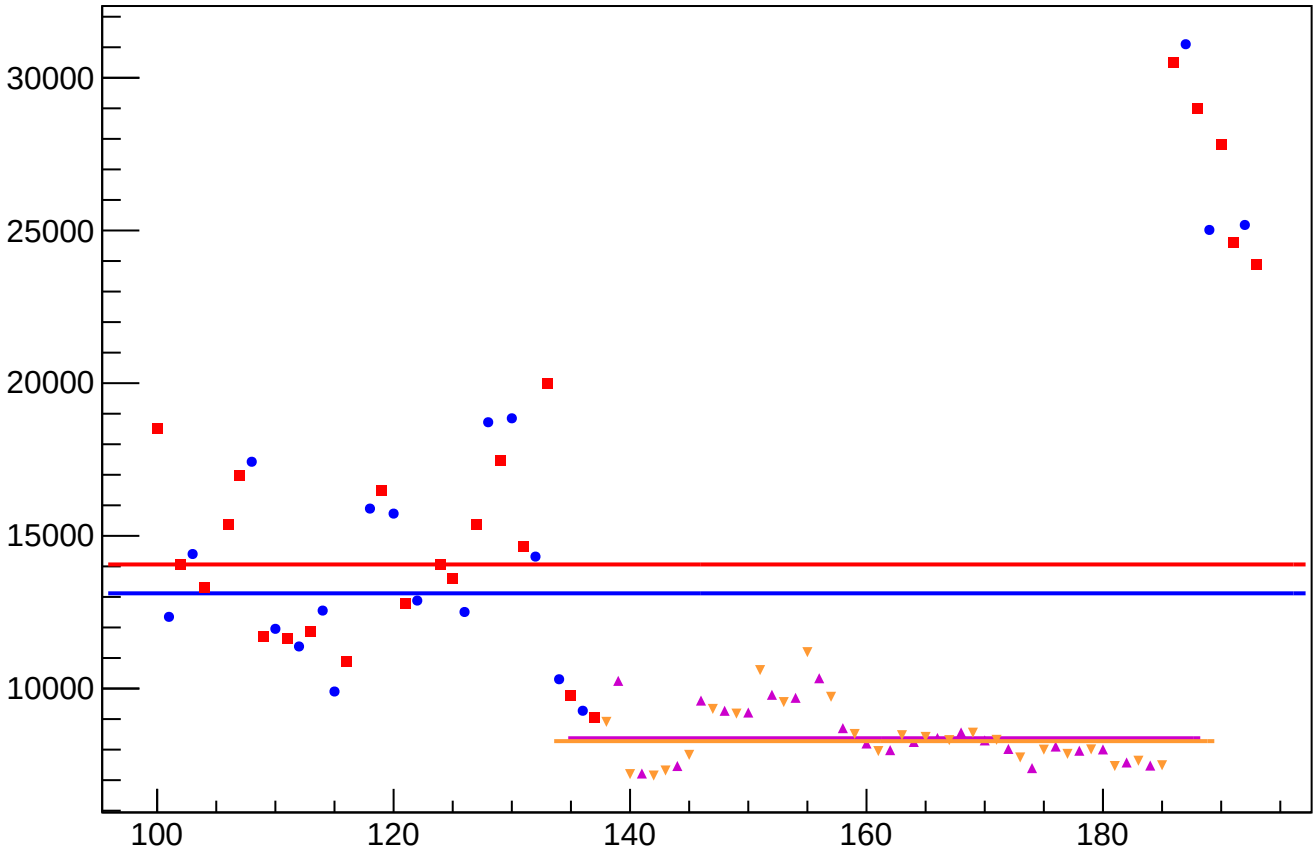
Right Out: -11.343+/-4.640 χ^2/NDF: 18.9/23

Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -8.409+/-1.754 χ^2/NDF: 84.7/43

All: -5.555+/-1.261 χ^2/NDF: 142.4/90

- sign -2.510+/-1.812 χ^2/NDF: 52.2/46



Right In: 13118.086+/-3.265 χ^2/NDF: 1528699.5/18

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

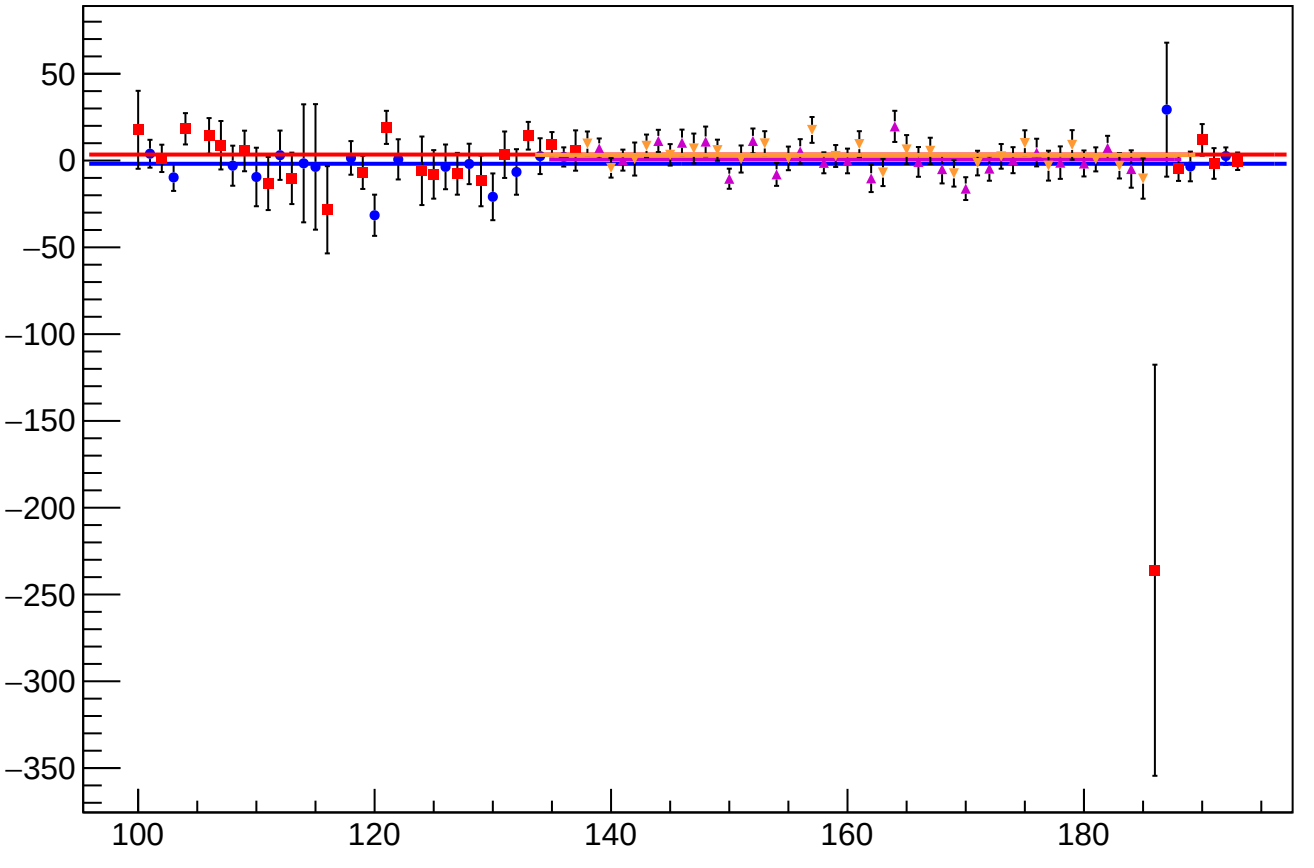
Right Out: 14063.693+/-3.281 χ^2/NDF: 1919437.4/23

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 8976.572+/-1.241 χ^2/NDF: 3864344.9/43

All: 9104.448+/-0.891 χ^2/NDF: 8748938.2/90

- sign 9240.925+/-1.282 χ^2/NDF: 4862627.8/46



Right In: -1.854+/-2.255 χ^2/NDF: 12.6/18

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

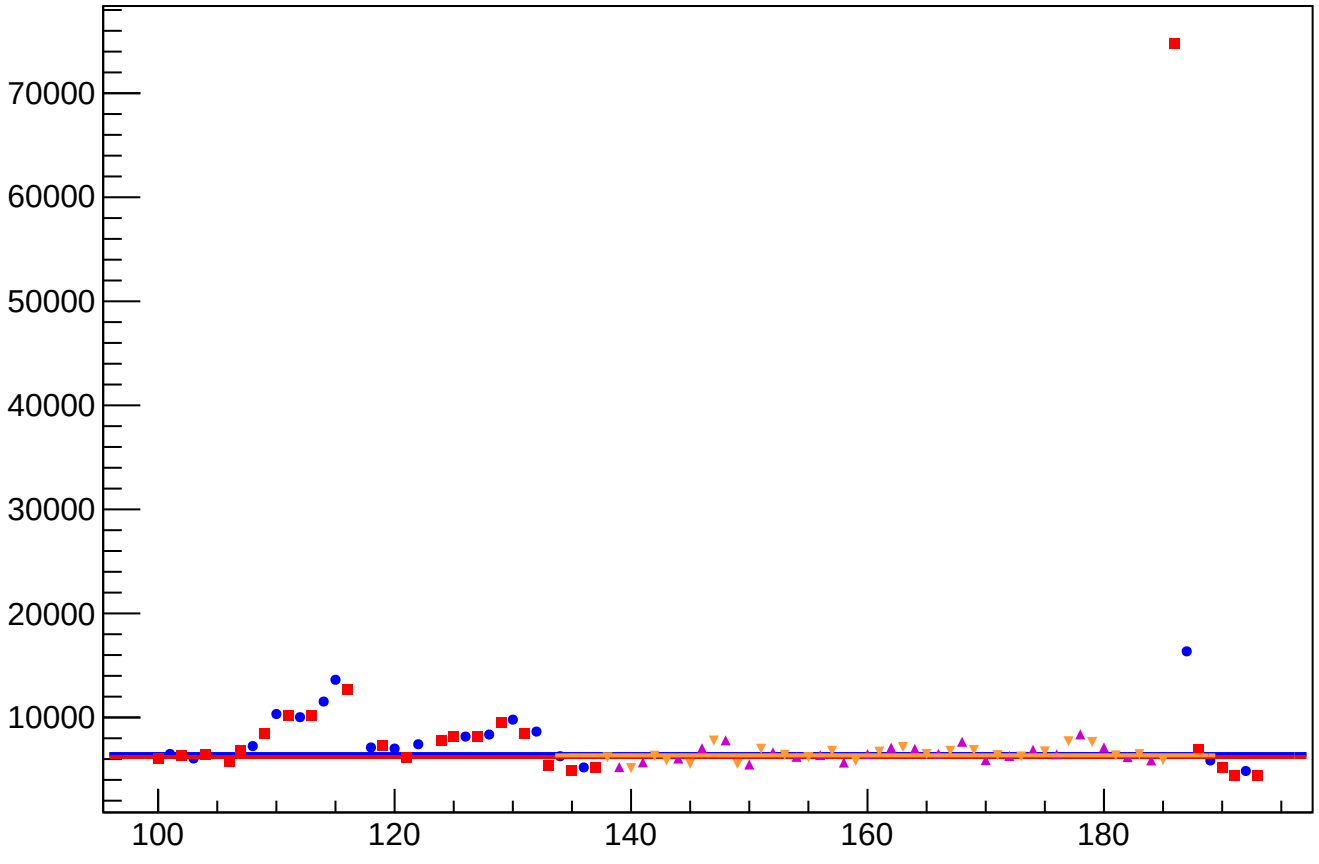
Right Out: 3.461+/-2.057 χ^2/NDF: 24.4/23

Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

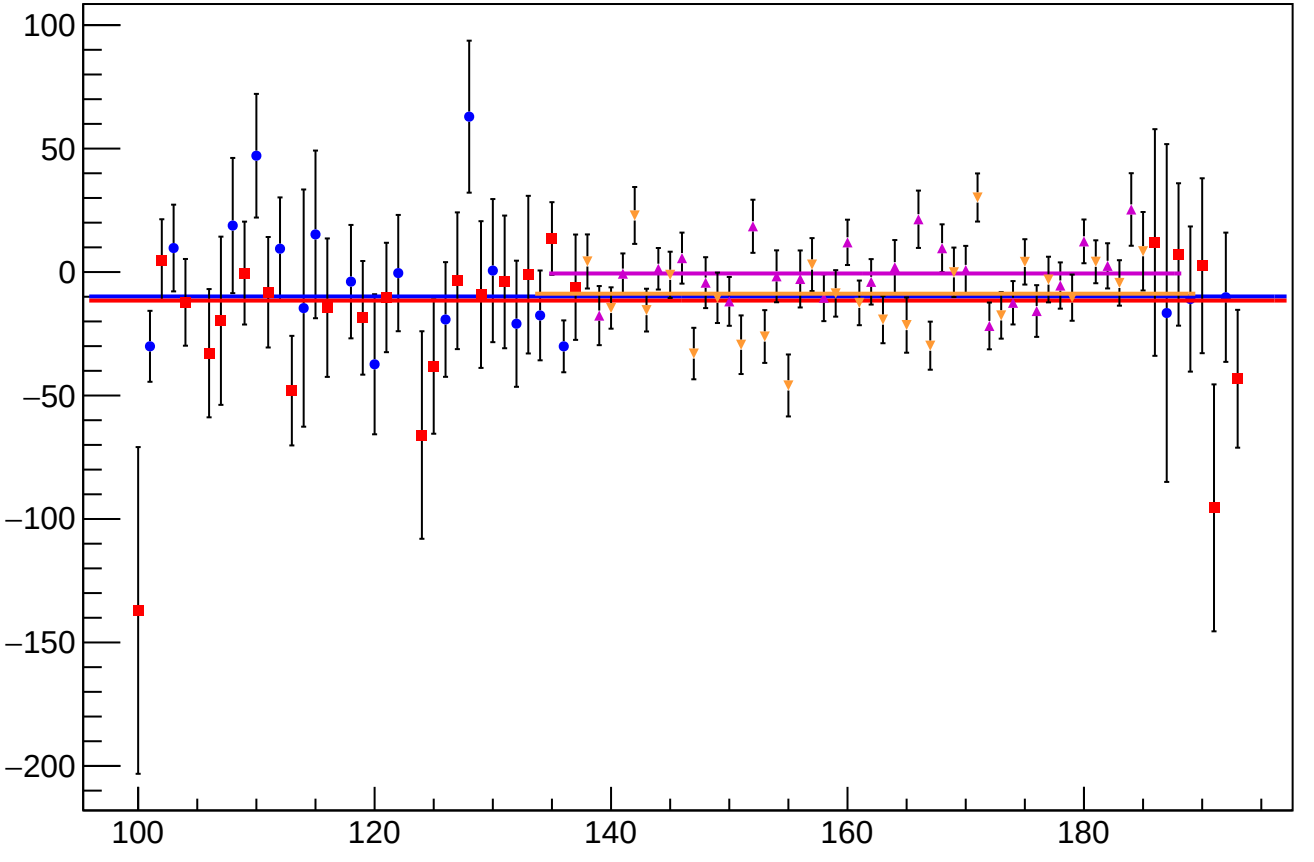
+ sign 1.750+/-1.224 χ^2/NDF: 33.9/43

All: 1.686+/-0.861 χ^2/NDF: 90.3/90

- sign 1.622+/-1.212 χ^2/NDF: 56.4/46


diff_bpm4eY_rms vs Slug
70000
60000
50000
40000
30000
20000
10000
100
120
140
160
180
Right In: 6483.672+/-1.595 χ²/NDF: 1117335.3/18
Left Out: 6357.608+/-1.030 χ²/NDF:414119.5/24
Right Out: 6200.161+/-1.455 χ²/NDF: 1945660.9/23
Left In: 6359.907+/-1.060 χ²/NDF:473875.4/22
+ sign 6394.734+/-0.865 χ²/NDF: 1535863.1/43
All: 6349.163+/-0.609 χ²/NDF: 3968764.9/90
- sign 6304.501+/-0.857 χ²/NDF: 2427411.8/46

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: -11.552+/-5.083 χ^2/NDF: 19.3/23

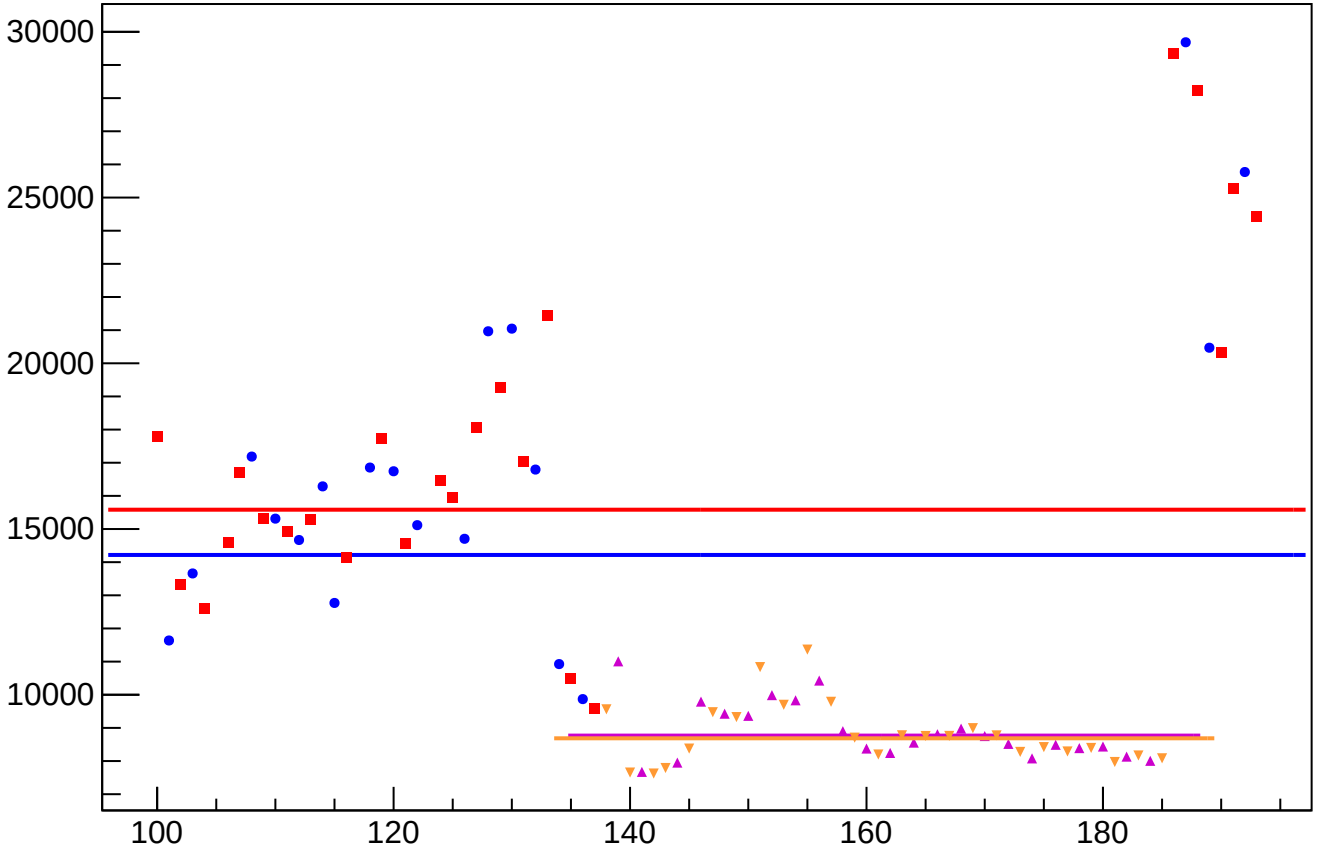
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -8.921+/-1.846 χ^2/NDF: 84.8/43

All: -5.636+/-1.327 χ^2/NDF: 144.2/90

- sign -2.126+/-1.908 χ^2/NDF: 52.9/46

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: 15582.983+/-3.594 χ^2/NDF: 1525818.6/23

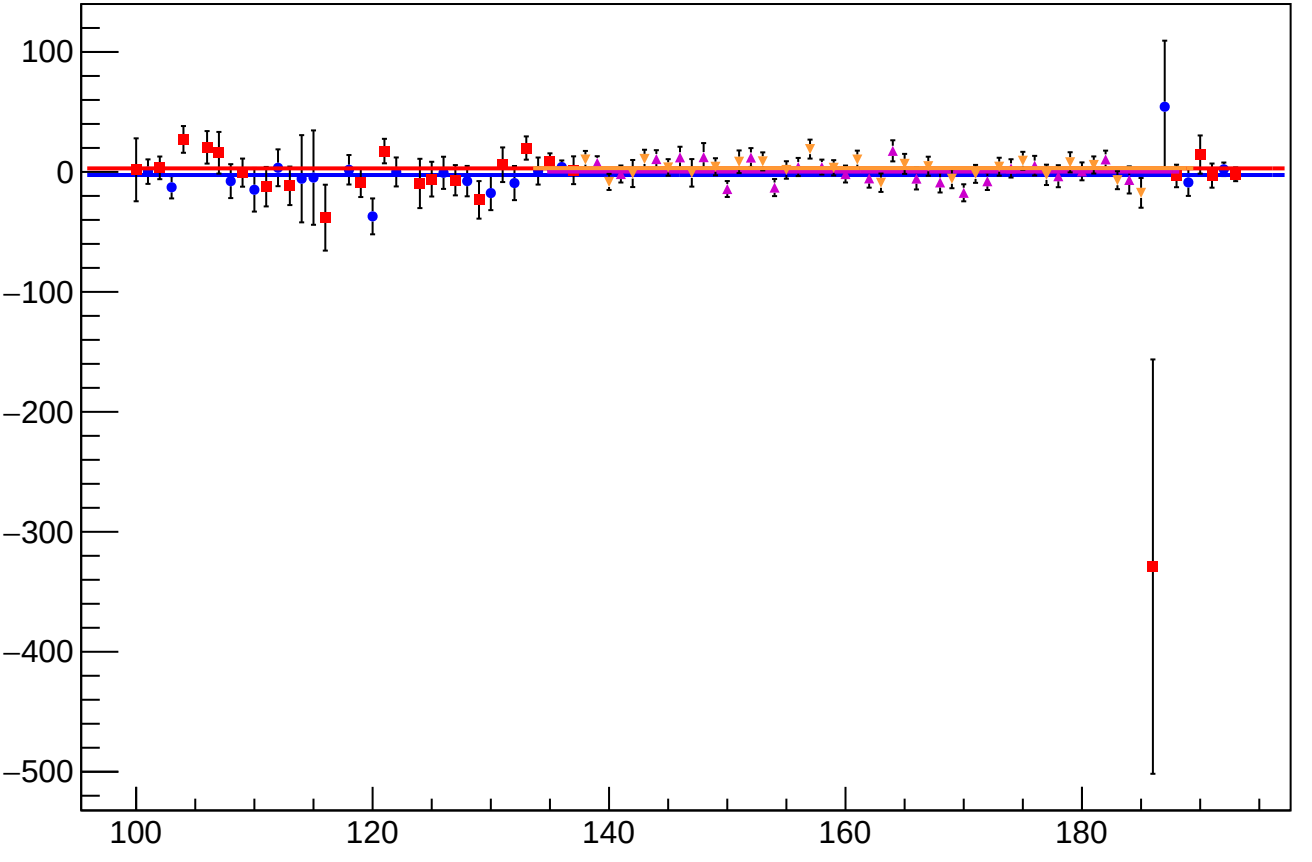
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9442.563+/-1.305 χ^2/NDF: 3827041.7/43

All: 9580.719+/-0.938 χ^2/NDF: 8759909.3/90

- sign 9728.366+/-1.350 χ^2/NDF: 4909696.6/46

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: 2.954+/-2.368 χ^2/NDF: 27.6/23

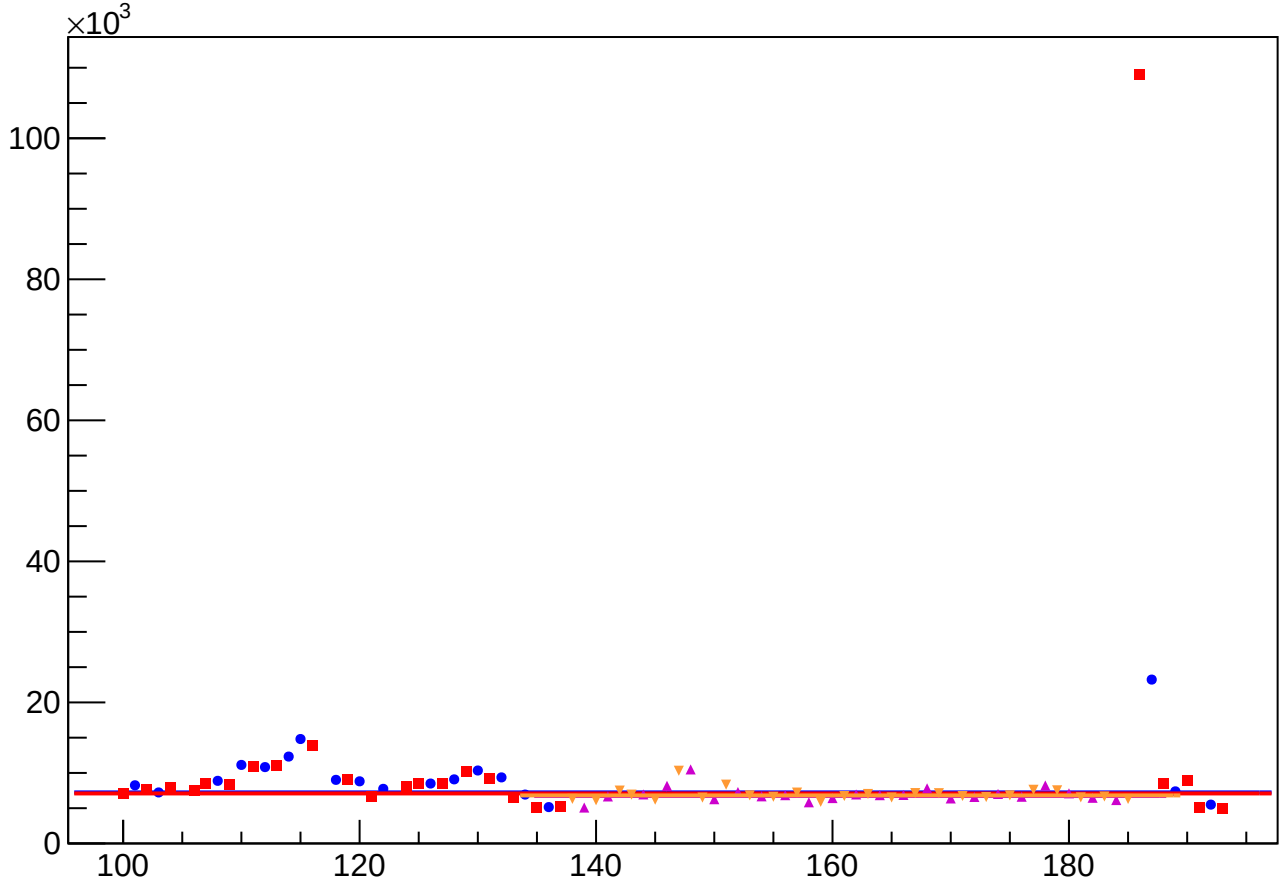
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 1.593+/-1.330 χ^2/NDF: 38.1/43

All: 1.346+/-0.937 χ^2/NDF: 100.9/90

- sign 1.103+/-1.320 χ^2/NDF: 62.8/46

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: 7092.267+/-1.675 χ^2/NDF: 1973517.2/23

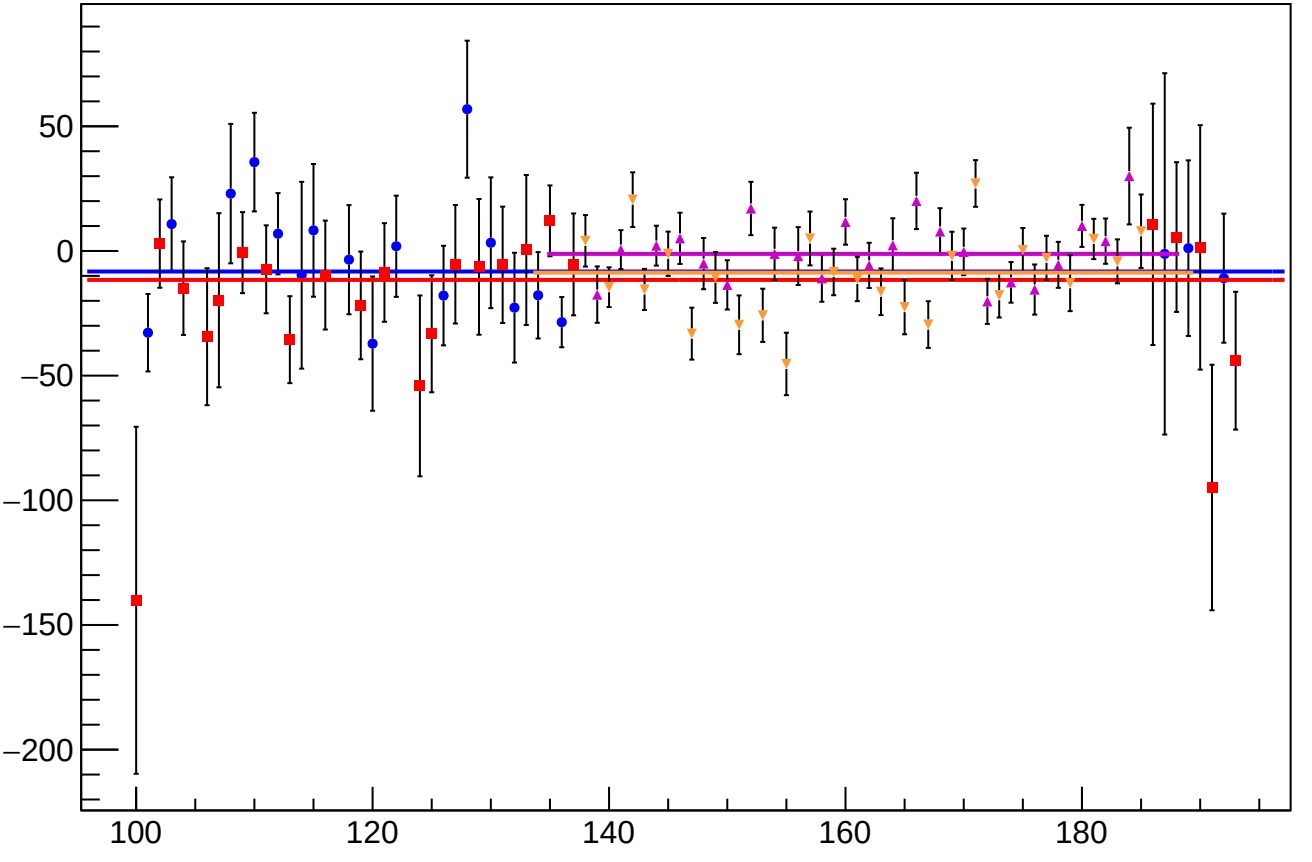
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6930.447+/-0.940 χ^2/NDF: 1713542.4/43

All: 6885.441+/-0.663 χ^2/NDF: 4334279.0/90

- sign 6841.097+/-0.934 χ^2/NDF: 2616190.0/46

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: -11.606+/-4.707 χ^2/NDF: 17.8/23

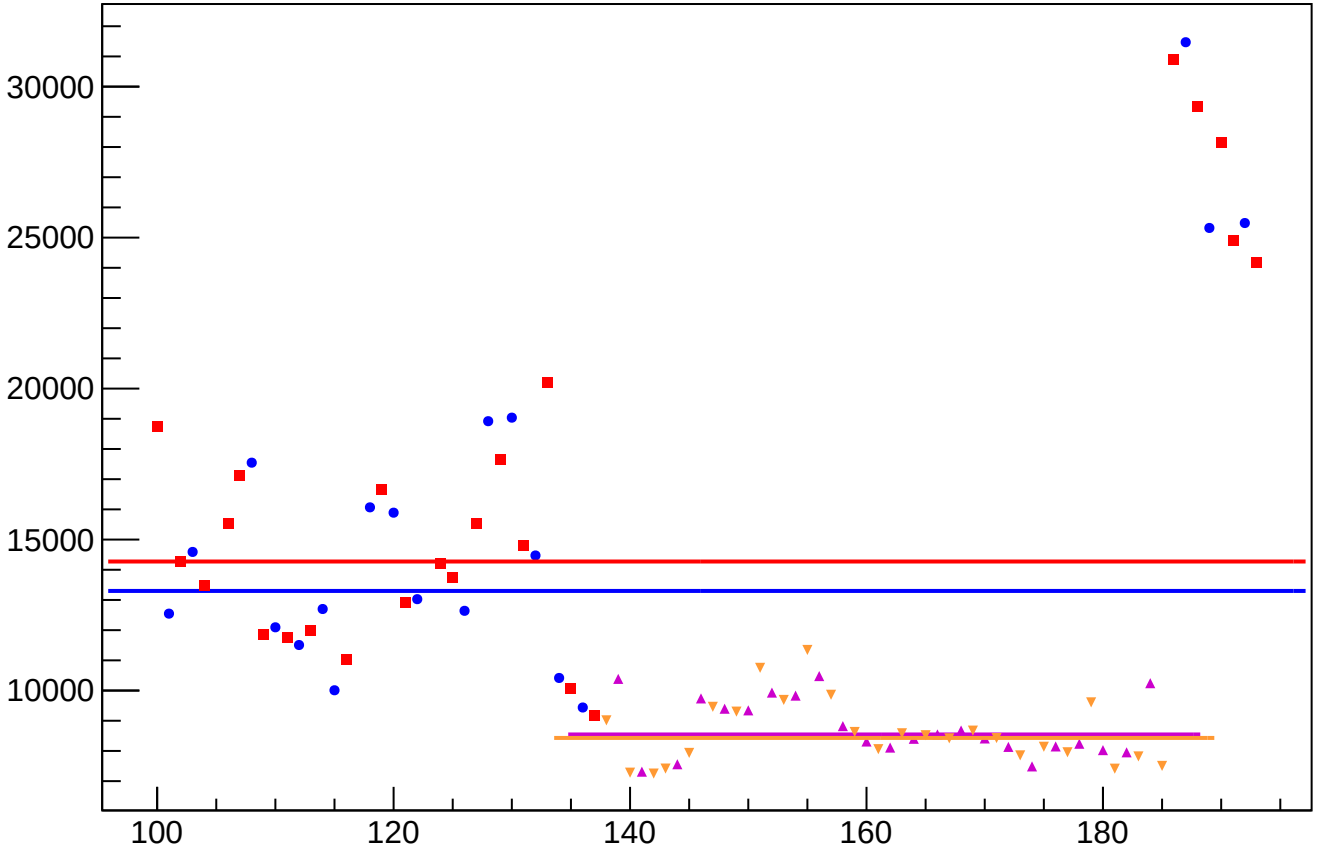
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -8.626+/-1.789 χ^2/NDF: 84.8/43

All: -5.804+/-1.286 χ^2/NDF: 140.4/90

- sign -2.786+/-1.850 χ^2/NDF: 50.5/46

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: 14273.465+/-3.328 χ^2/NDF: 1891560.2/23

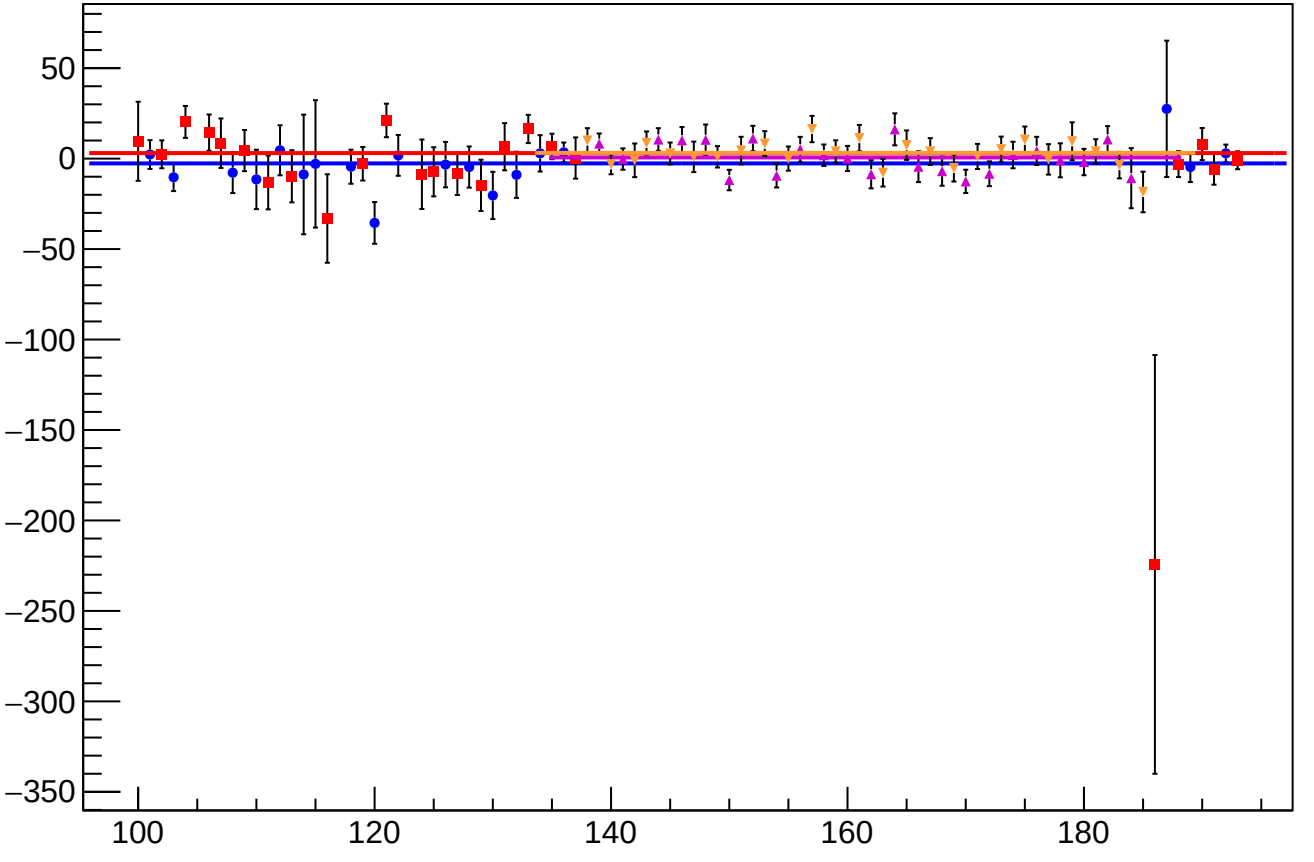
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9141.946+/-1.265 χ^2/NDF: 3844466.6/43

All: 9281.499+/-0.909 χ^2/NDF: 8655151.7/90

- sign 9430.766+/-1.308 χ^2/NDF: 4785501.8/46

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: 3.058+/-2.014 χ^2/NDF: 27.2/23

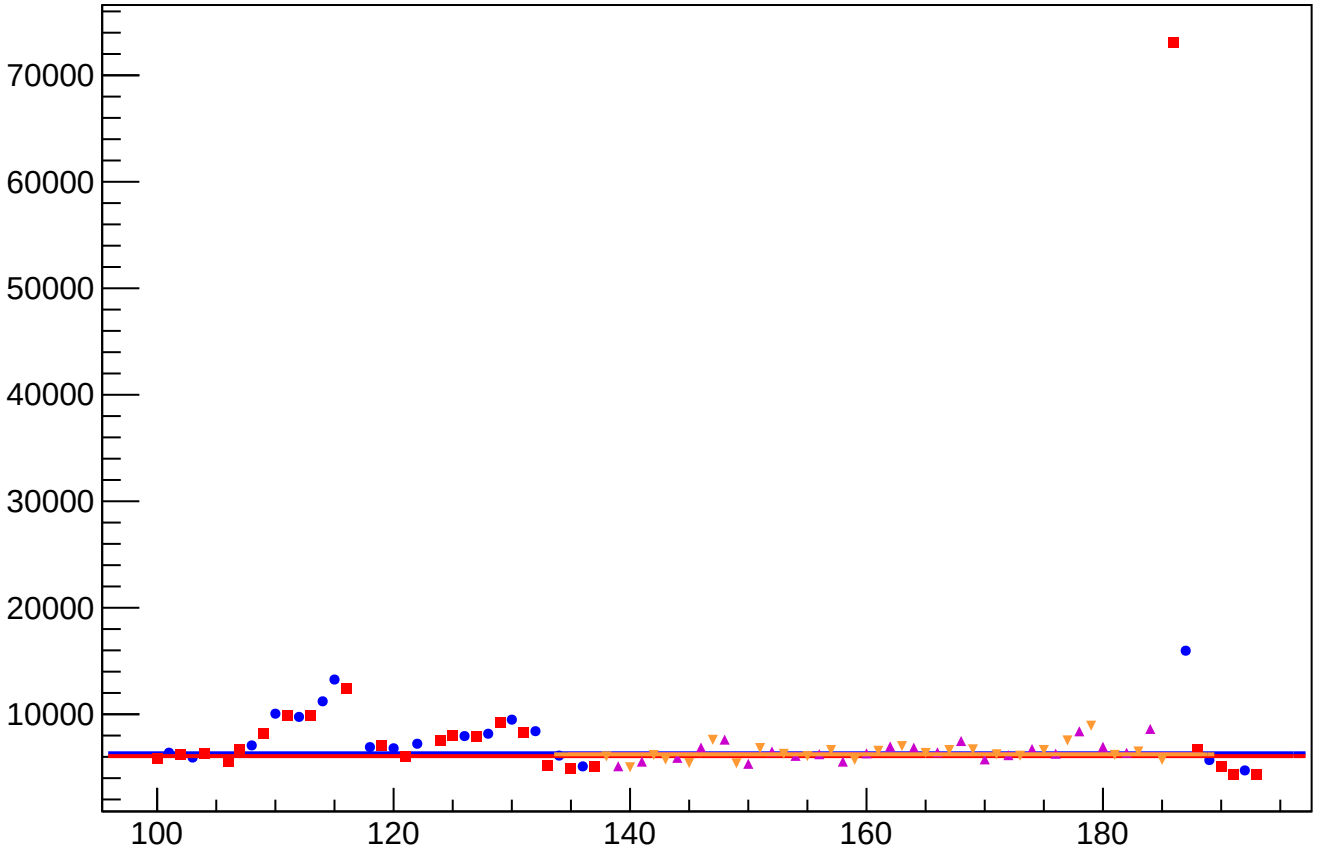
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 1.449+/-1.203 χ^2/NDF: 39.8/43

All: 1.467+/-0.847 χ^2/NDF: 99.8/90

- sign 1.485+/-1.194 χ^2/NDF: 59.9/46

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: 6069.174+/-1.424 χ^2/NDF: 1911894.2/23

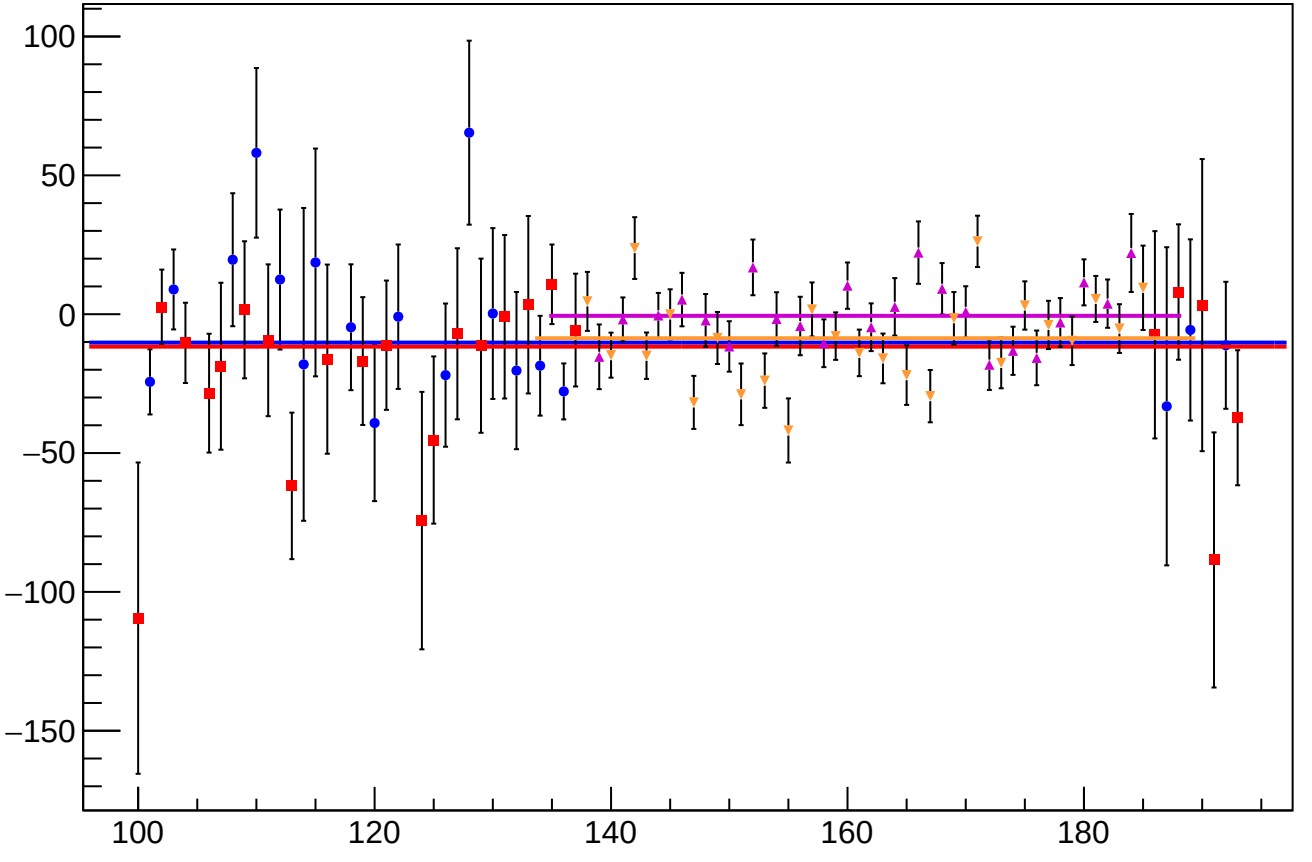
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6266.430+/-0.850 χ^2/NDF: 1615814.0/43

All: 6232.136+/-0.599 χ^2/NDF: 4067942.4/90

- sign 6198.353+/-0.844 χ^2/NDF: 2448899.6/46

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

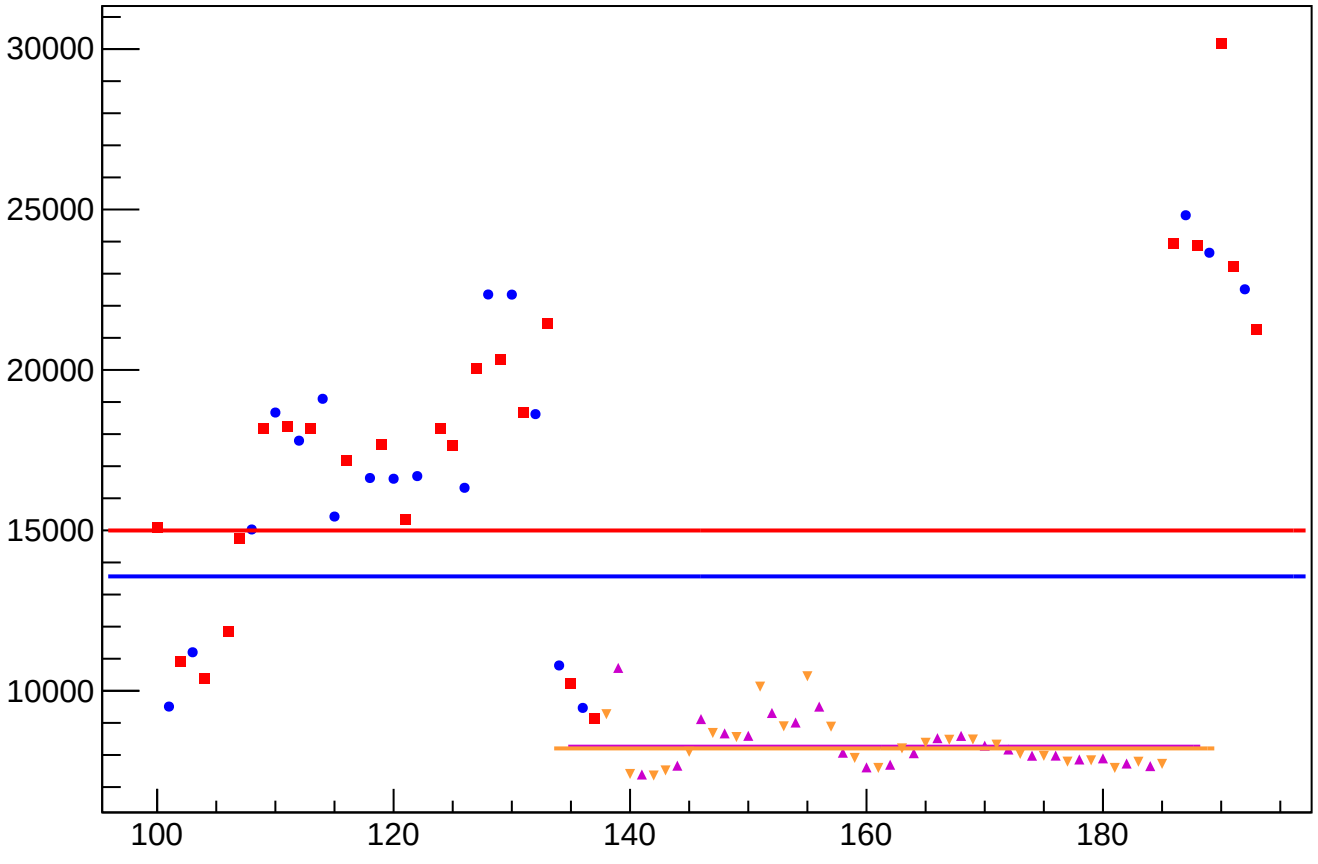
Right Out: -11.686+/-4.948 χ^2/NDF: 19.4/23

Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -8.857+/-1.748 χ^2/NDF: 84.6/43

All: -5.568+/-1.256 χ^2/NDF: 144.2/90

- sign -2.061+/-1.805 χ^2/NDF: 52.3/46



Right In: 13565.640+/-3.415 χ^2/NDF: 1868267.3/18

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 14996.828+/-3.499 χ^2/NDF: 1935212.2/23

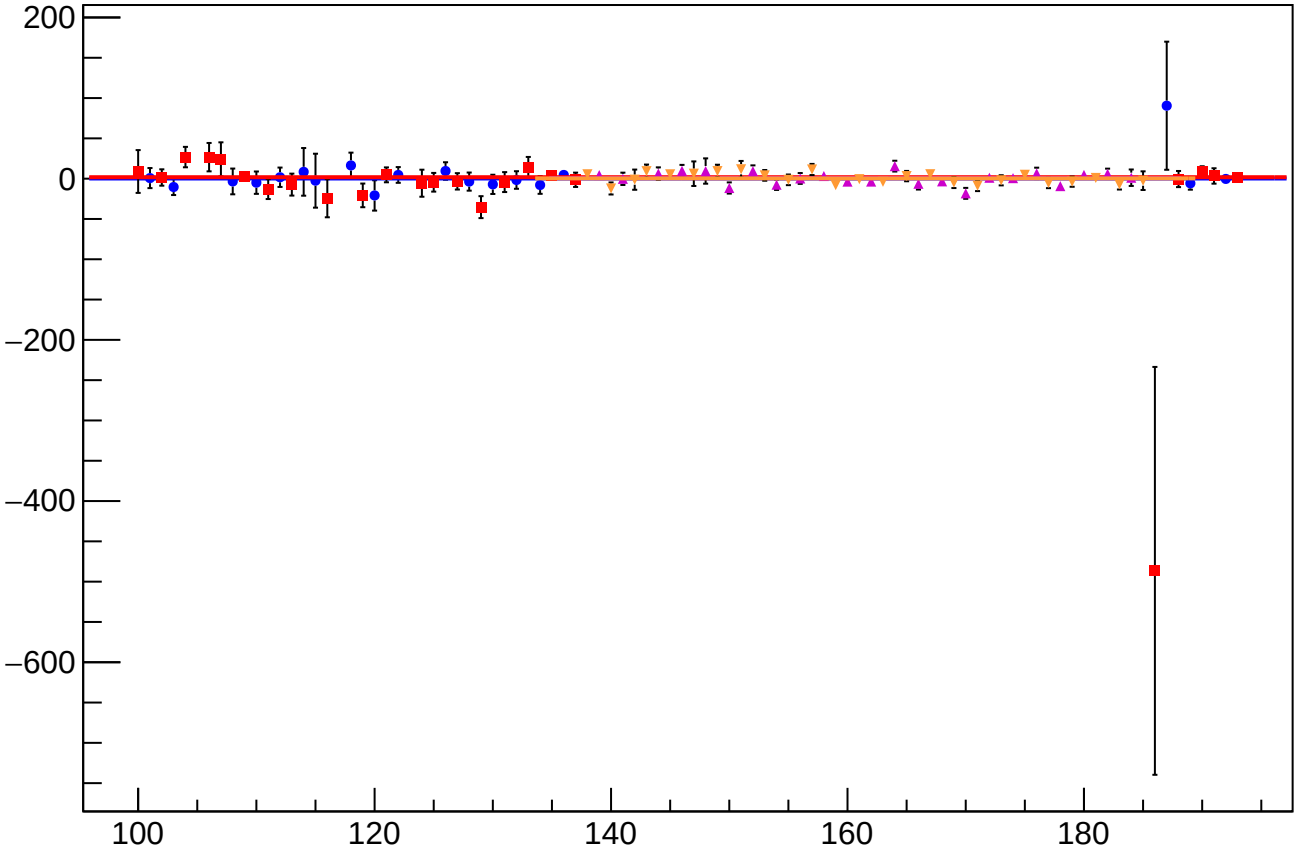
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 8906.906+/-1.236 χ^2/NDF: 4283305.0/43

All: 9027.398+/-0.888 χ^2/NDF: 9710157.8/90

- sign 9155.912+/-1.276 χ^2/NDF: 5407212.6/46

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

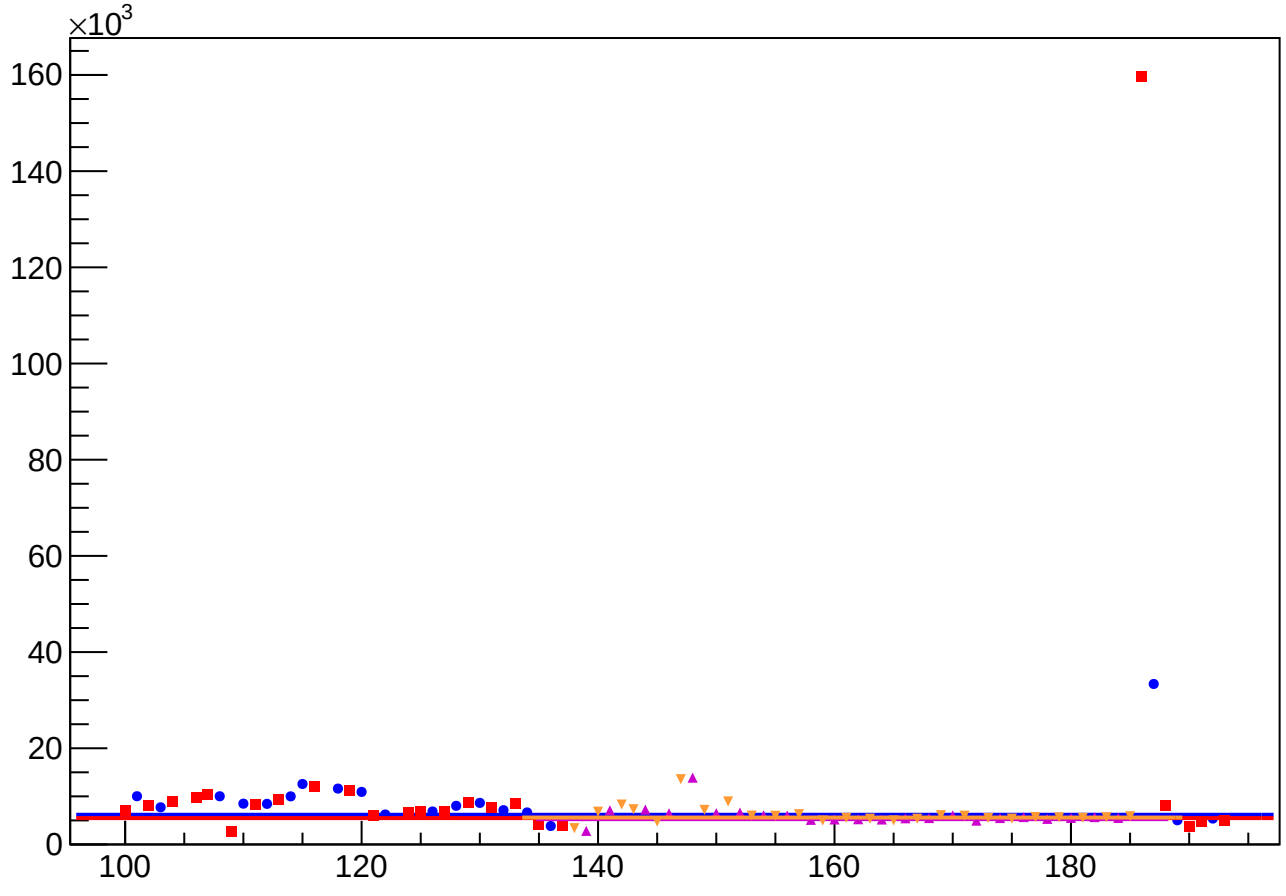
Right Out: 1.801+/-1.960 χ^2/NDF: 27.3/23

Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.320+/-1.137 χ^2/NDF: 30.3/43

All: 0.699+/-0.782 χ^2/NDF: 87.9/90

- sign 1.040+/-1.078 χ^2/NDF: 57.4/46



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: 5480.333+/-1.386 χ^2/NDF: 3624652.5/23

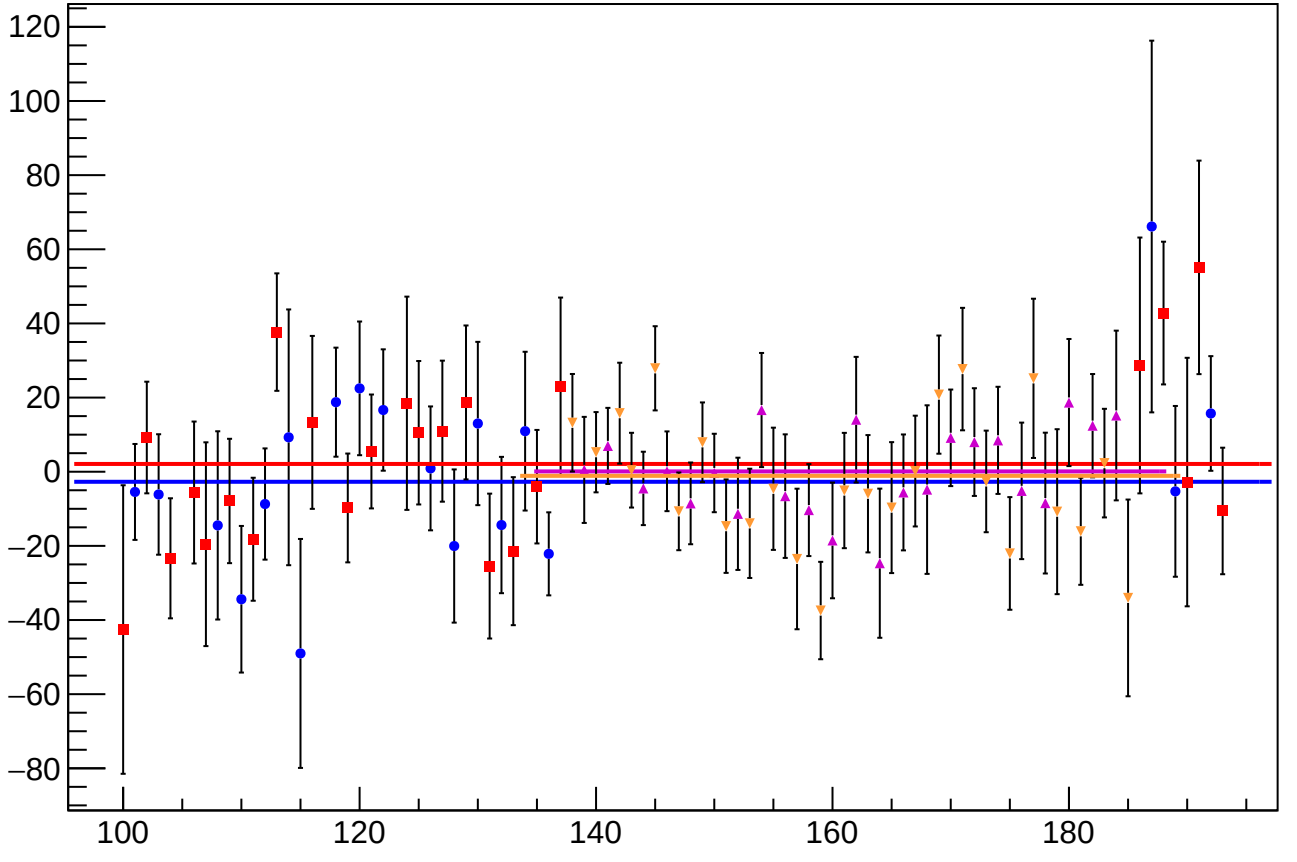
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5744.707+/-0.804 χ^2/NDF: 3971526.5/43

All: 5525.618+/-0.553 χ^2/NDF: 10179999.2/9

- sign 5328.615+/-0.762 χ^2/NDF: 6067447.4/46

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

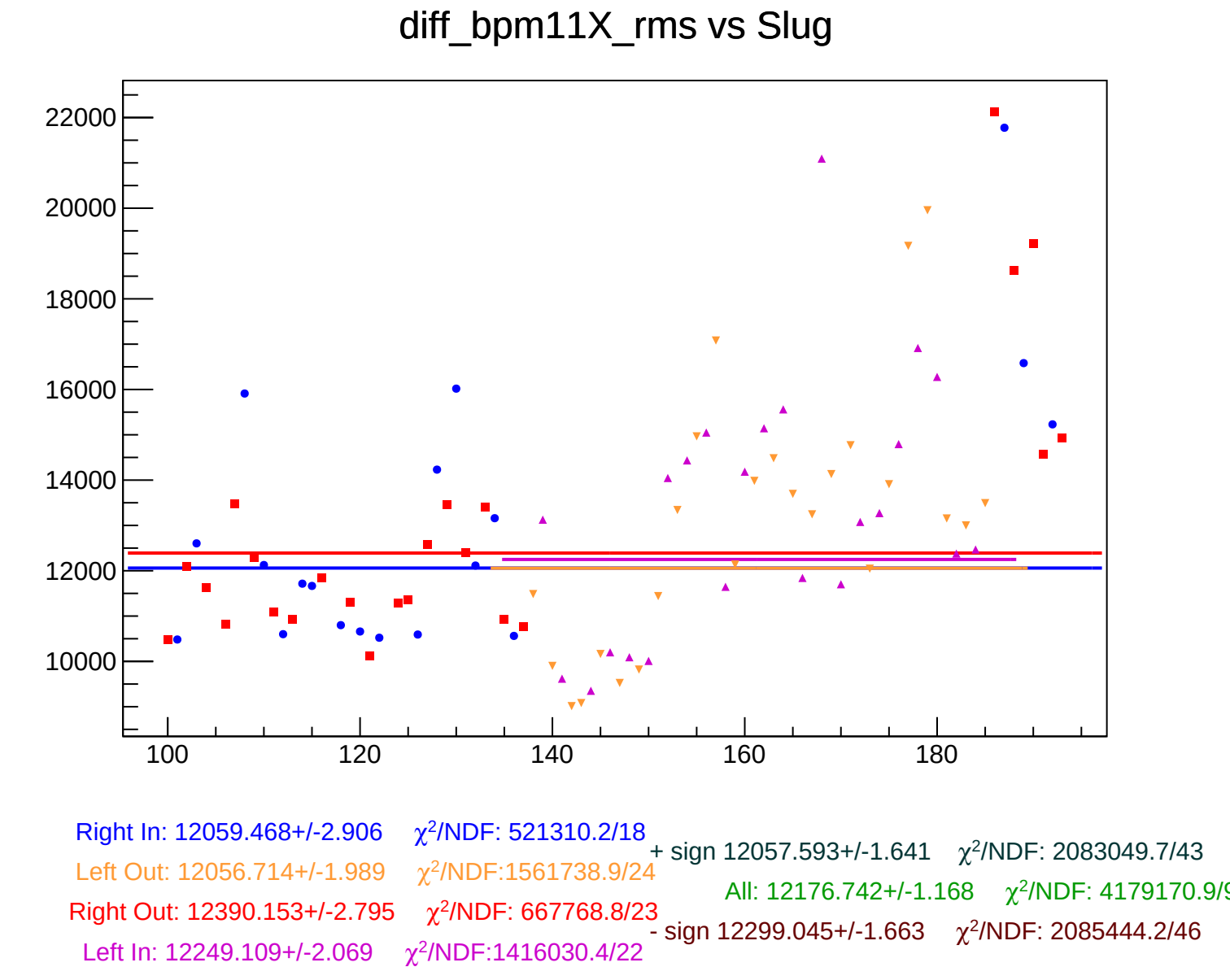
Right Out: 2.098+/-3.953 χ^2/NDF: 27.3/23

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

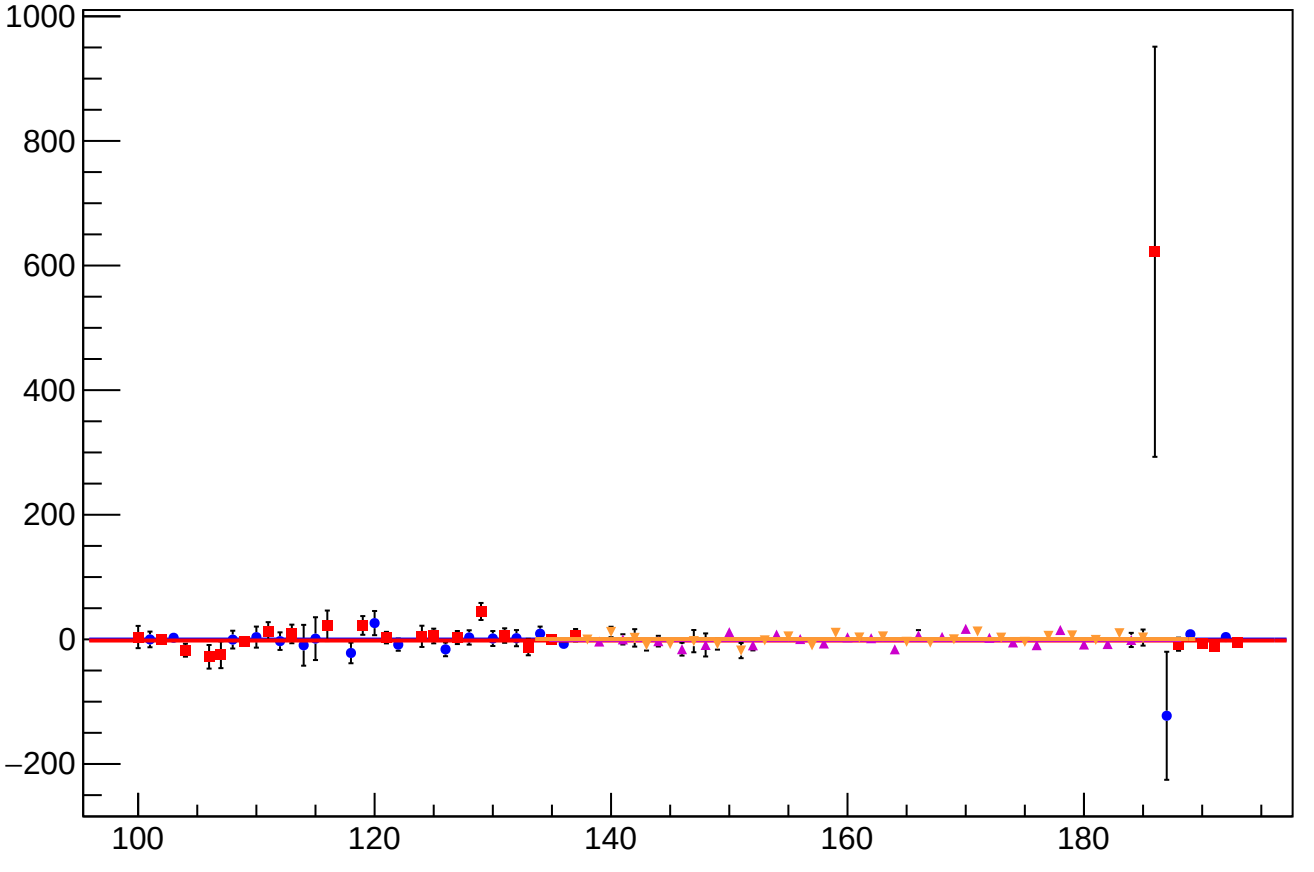
\+ sign -1.622+/-2.321 χ^2/NDF: 53.2/43

All: -0.428+/-1.652 χ^2/NDF: 92.6/90

\- sign 0.797+/-2.352 χ^2/NDF: 38.9/46


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: 12390.153+/-2.795 χ²/NDF: 667768.8/23
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
+ sign 12057.593+/-1.641 χ²/NDF: 2083049.7/43
All: 12176.742+/-1.168 χ²/NDF: 4179170.9/9
- sign 12299.045+/-1.663 χ²/NDF: 2085444.2/46

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: -1.851+/-1.907 χ^2/NDF: 31.7/23

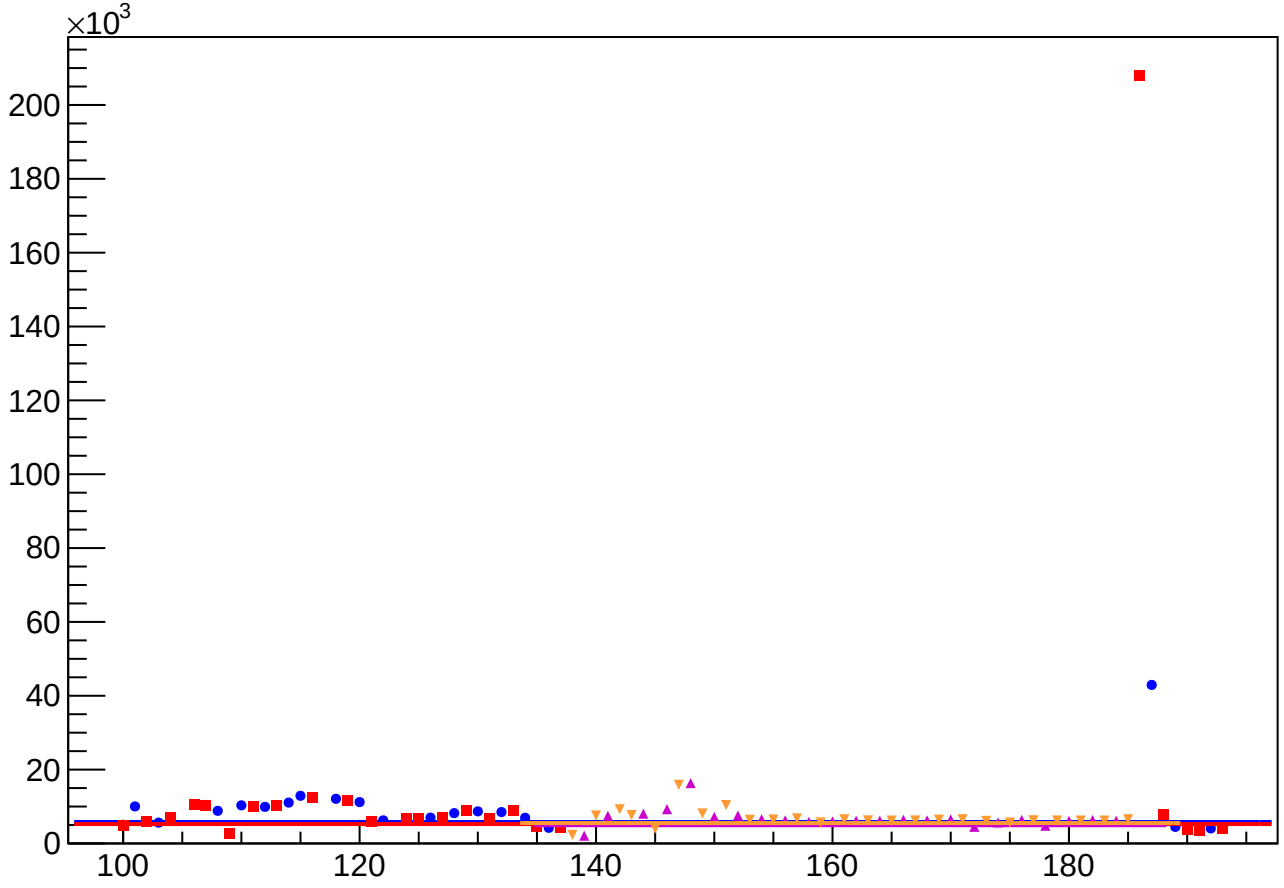
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.289+/-1.152 χ^2/NDF: 35.0/43

All: -0.526+/-0.784 χ^2/NDF: 100.0/90

- sign -1.232+/-1.071 χ^2/NDF: 64.1/46

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

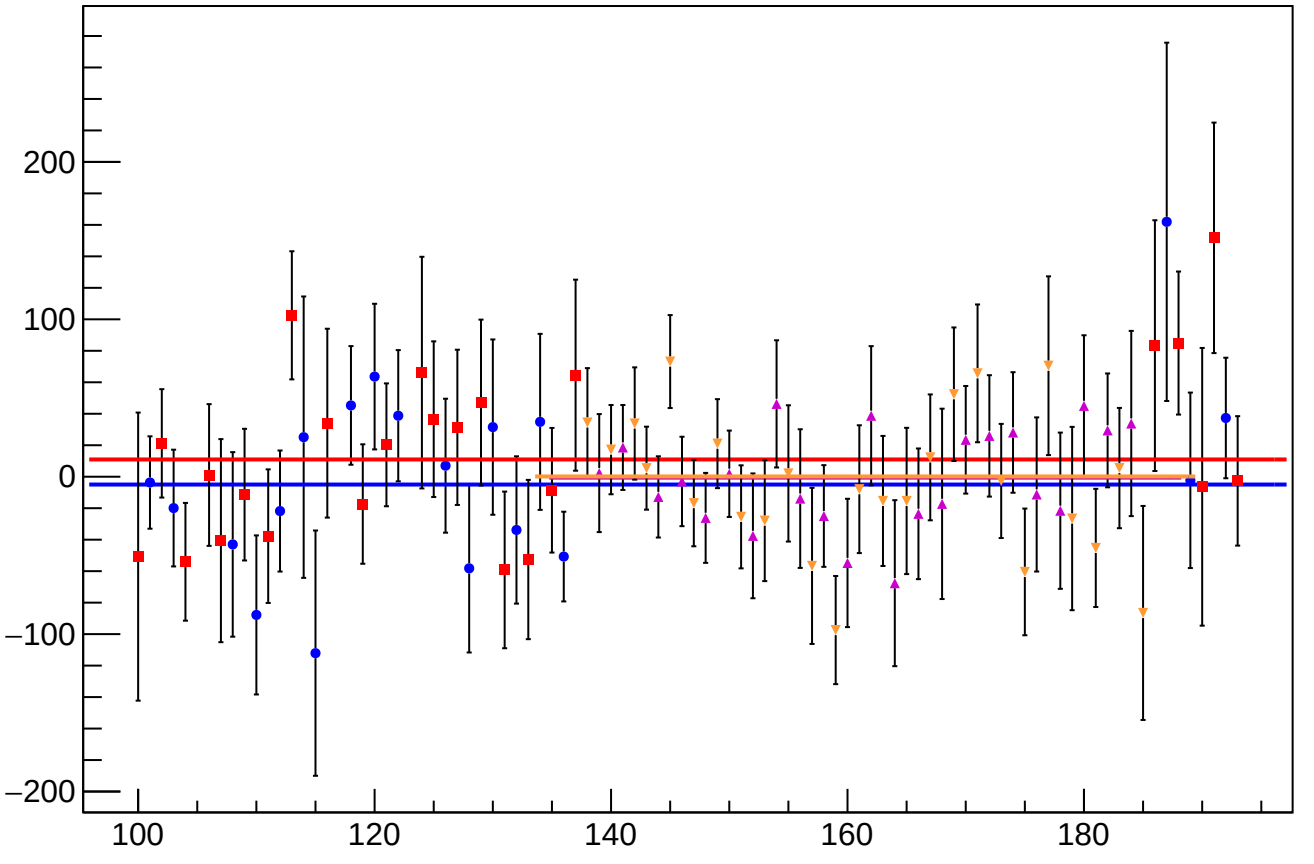
Right Out: 5249.594+/-1.348 χ^2/NDF: 3548451.2/23

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5609.041+/-0.814 χ^2/NDF: 6869381.2/43

All: 5303.321+/-0.555 χ^2/NDF: 16652313.4/9

- sign 5039.009+/-0.757 χ^2/NDF: 9520187.4/46



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: 10.964+/-9.811 χ^2/NDF: 25.1/23

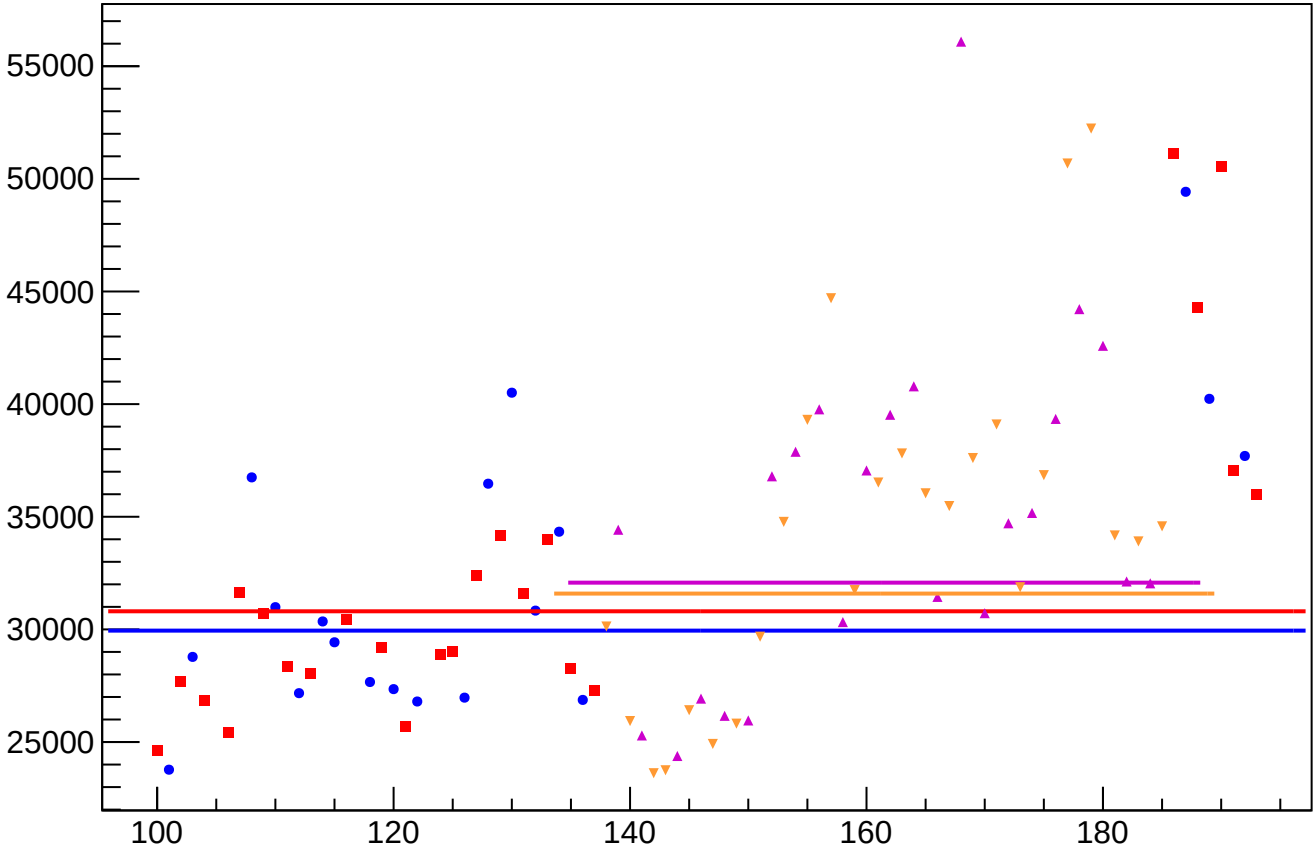
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -1.593+/-5.978 χ^2/NDF: 50.2/43

All: 1.071+/-4.249 χ^2/NDF: 89.3/90

- sign 3.793+/-6.041 χ^2/NDF: 38.7/46

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: 30803.590+/-6.938 χ^2/NDF: 620370.3/23

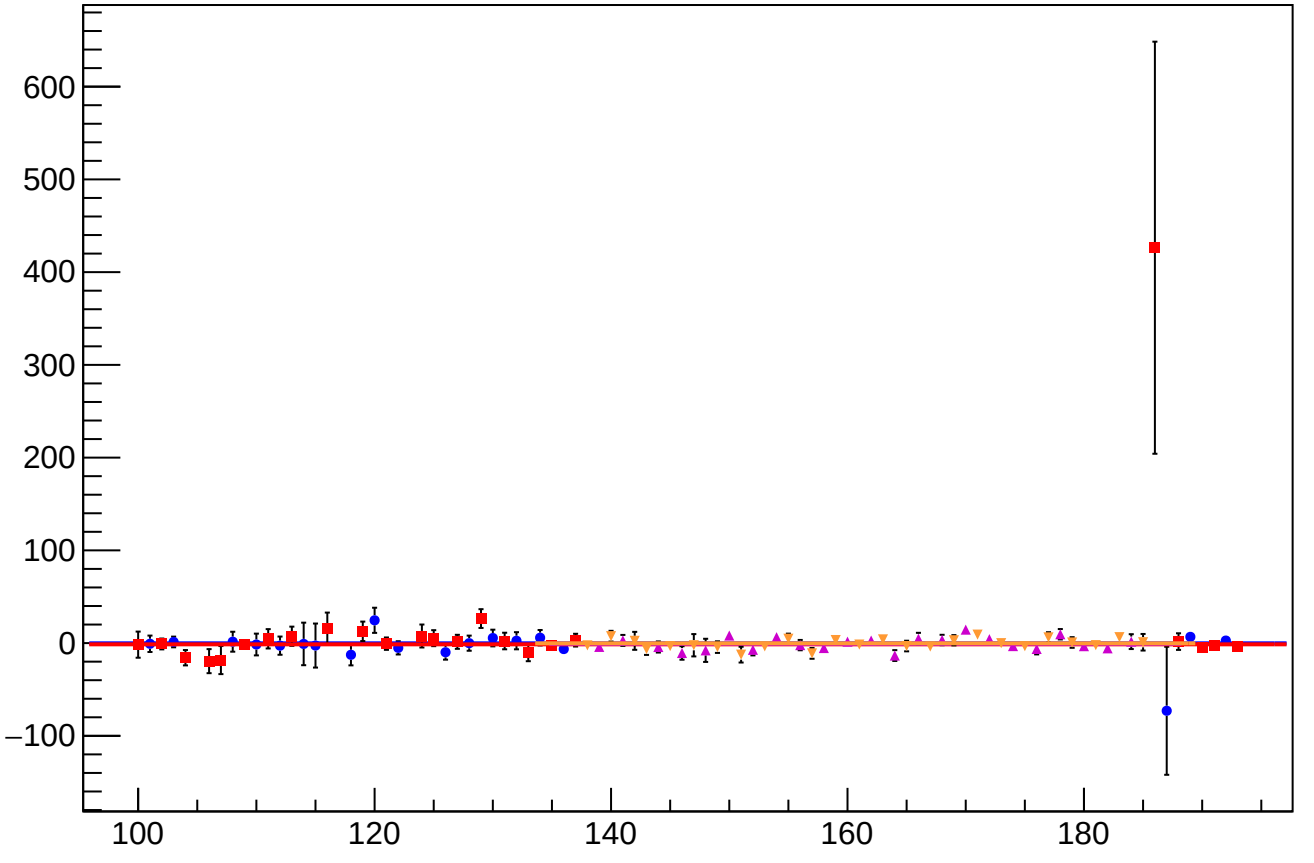
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 31025.951+/-4.227 χ^2/NDF: 2135331.7/43

All: 31306.500+/-3.005 χ^2/NDF: 4241174.8/9

- sign 31593.028+/-4.272 χ^2/NDF: 2096939.0/46

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: -1.328+/-1.418 χ^2/NDF: 25.4/23

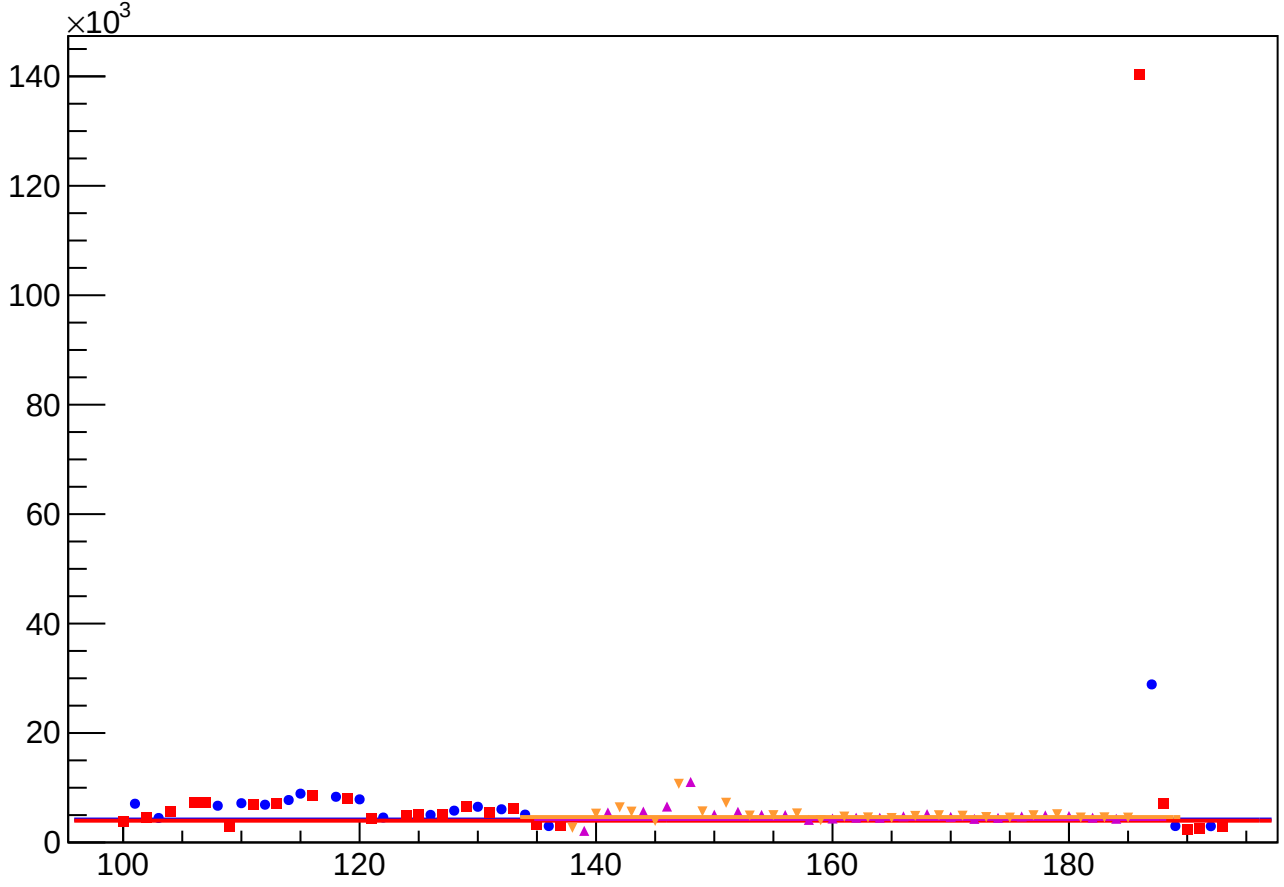
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.233+/-0.891 χ^2/NDF: 35.4/43

All: -0.625+/-0.615 χ^2/NDF: 95.0/90

- sign -0.982+/-0.849 χ^2/NDF: 59.3/46

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: 3981.623+/-1.002 χ^2/NDF: 3344902.4/23

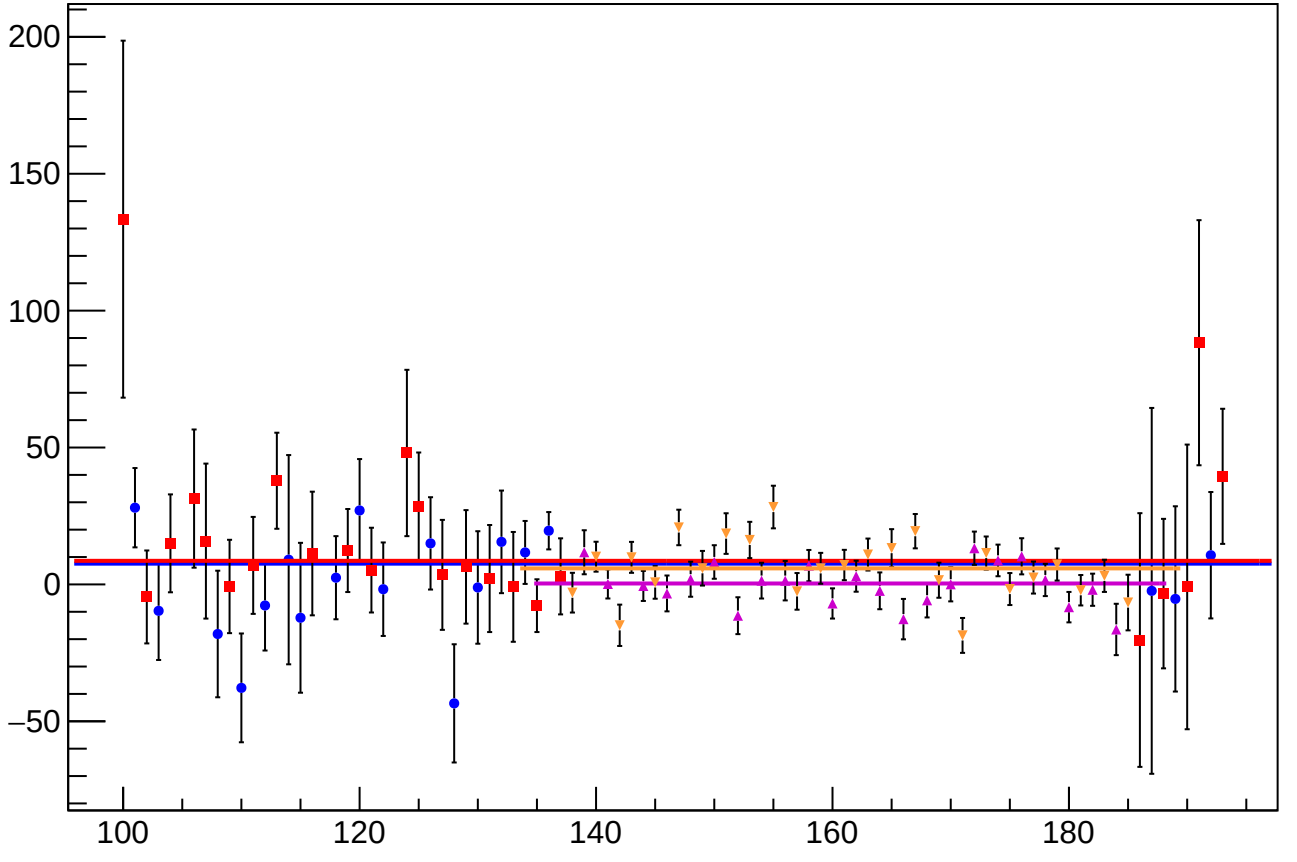
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4485.584+/-0.630 χ^2/NDF: 4353232.2/43

All: 4326.806+/-0.435 χ^2/NDF: 10977627.3/9

- sign 4182.579+/-0.600 χ^2/NDF: 6503203.9/46

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: 8.614+/-3.958 χ^2/NDF: 20.0/23

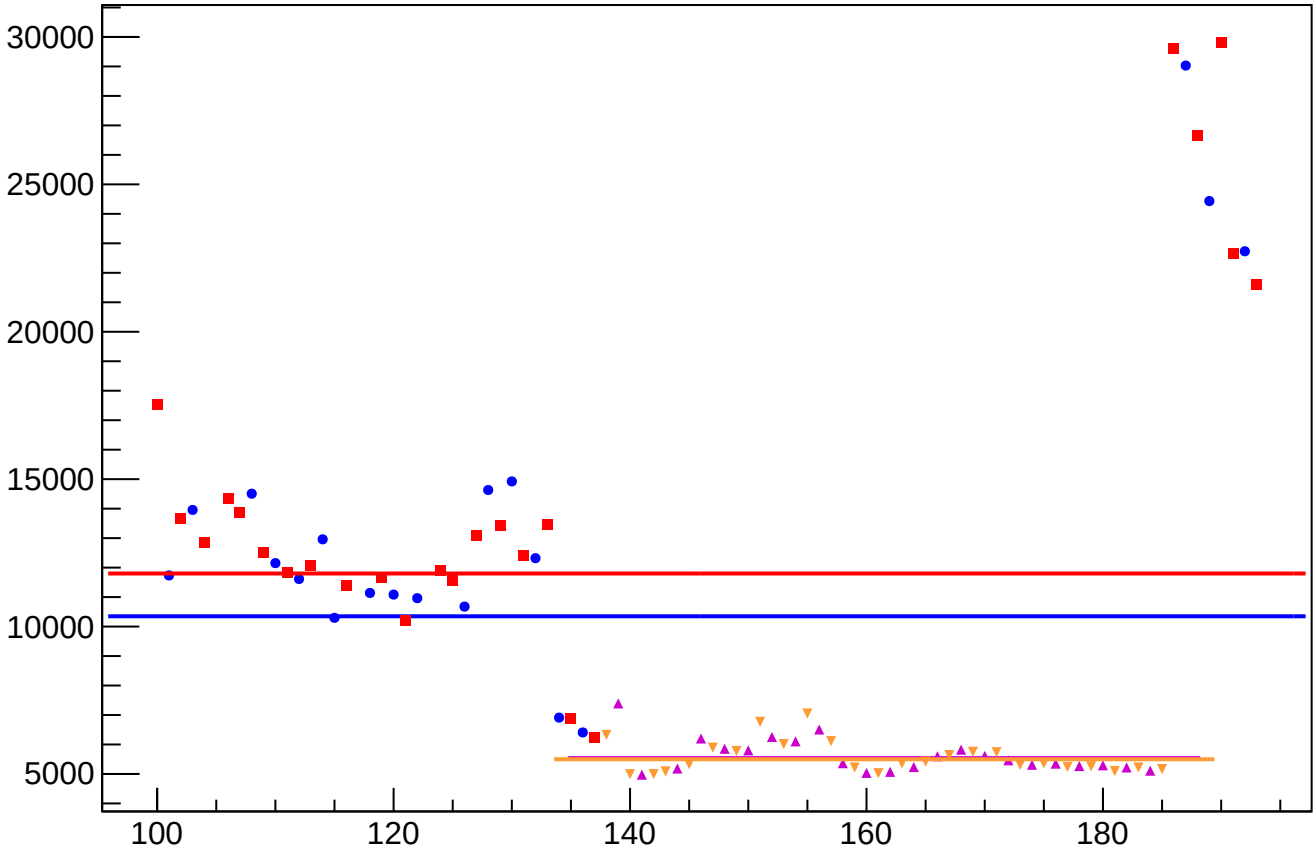
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.025+/-1.192 χ^2/NDF: 82.0/43

All: 3.673+/-0.858 χ^2/NDF: 143.4/90

- sign 1.144+/-1.236 χ^2/NDF: 53.3/46

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: 11799.997+/-2.799 χ^2/NDF: 2539878.2/23

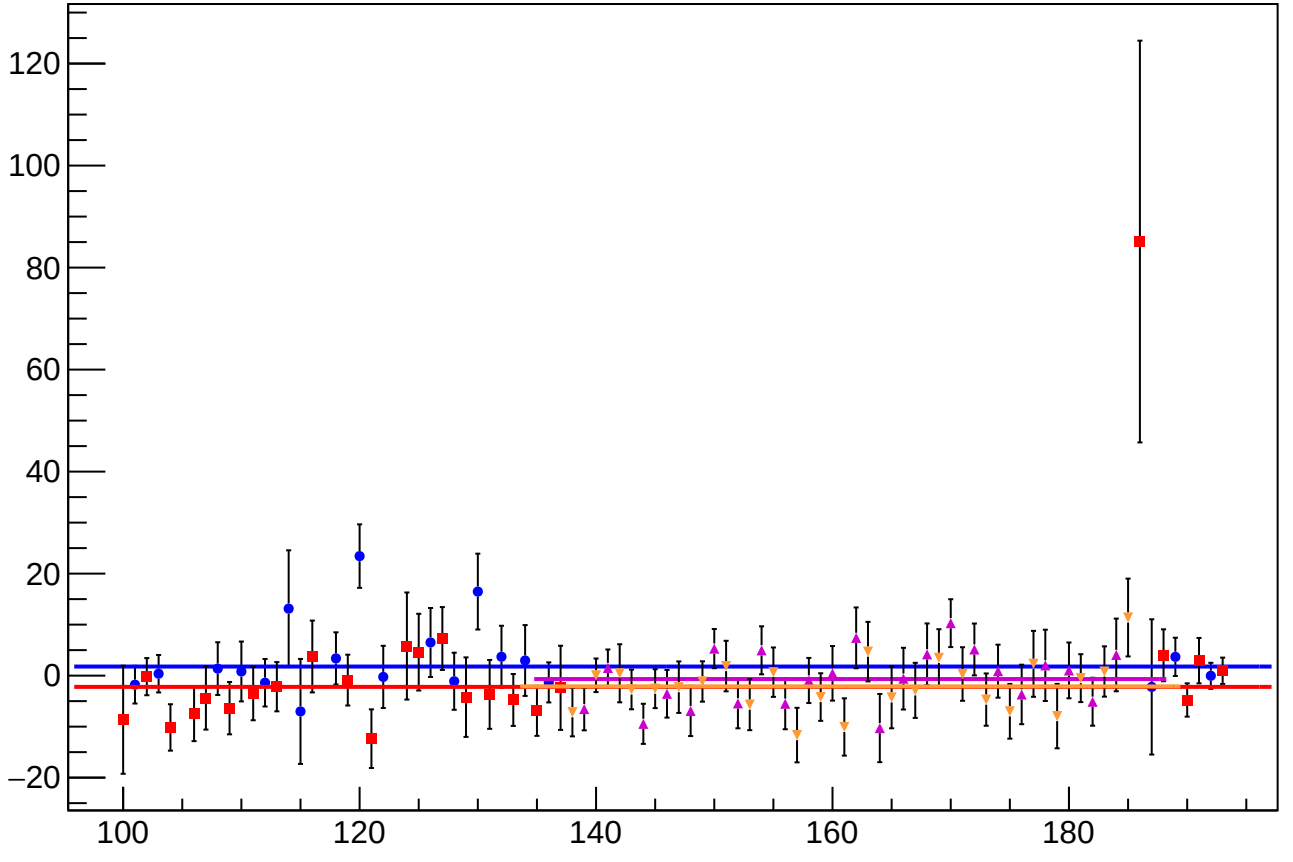
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 5991.781+/-0.843 χ^2/NDF: 5657119.6/43

All: 6067.153+/-0.607 χ^2/NDF: 13035886.9/9

- sign 6148.184+/-0.874 χ^2/NDF: 7362169.2/46

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

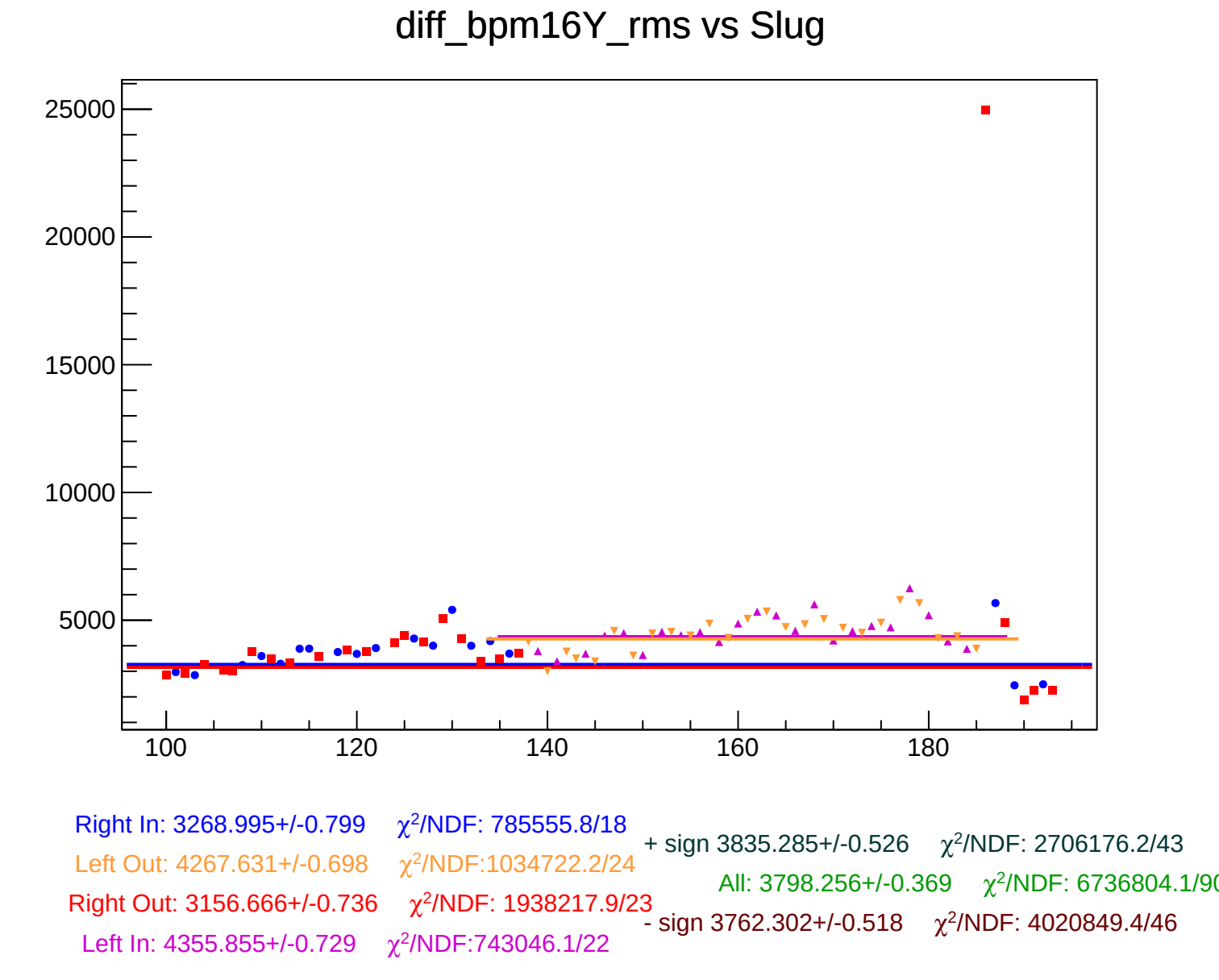
Right Out: -2.205+/-1.041 χ^2/NDF: 24.4/23

Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

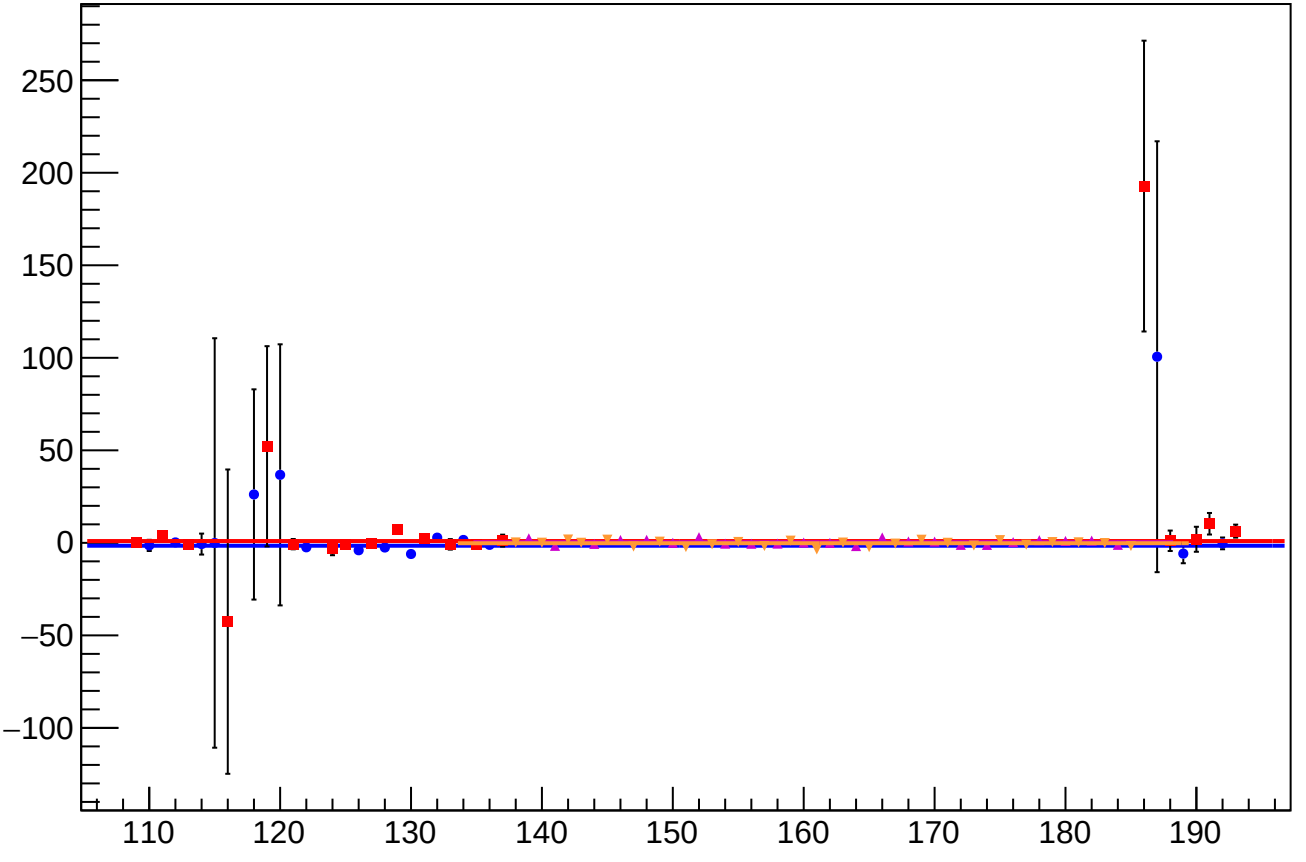
+ sign -0.429+/-0.743 χ^2/NDF: 46.1/43

All: -0.937+/-0.522 χ^2/NDF: 100.8/90

- sign -1.430+/-0.733 χ^2/NDF: 53.8/46


diff_bpm16Y_rms vs Slug
25000
20000
15000
10000
5000
100
120
140
160
180
Right In: 3268.995+/-0.799 χ²/NDF: 785555.8/18
Left Out: 4267.631+/-0.698 χ²/NDF:1034722.2/24
Right Out: 3156.666+/-0.736 χ²/NDF: 1938217.9/23
Left In: 4355.855+/-0.729 χ²/NDF:743046.1/22
+ sign 3835.285+/-0.526 χ²/NDF: 2706176.2/43
All: 3798.256+/-0.369 χ²/NDF: 6736804.1/90
- sign 3762.302+/-0.518 χ²/NDF: 4020849.4/46

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: 0.981+/-0.688 χ^2/NDF: 23.9/18

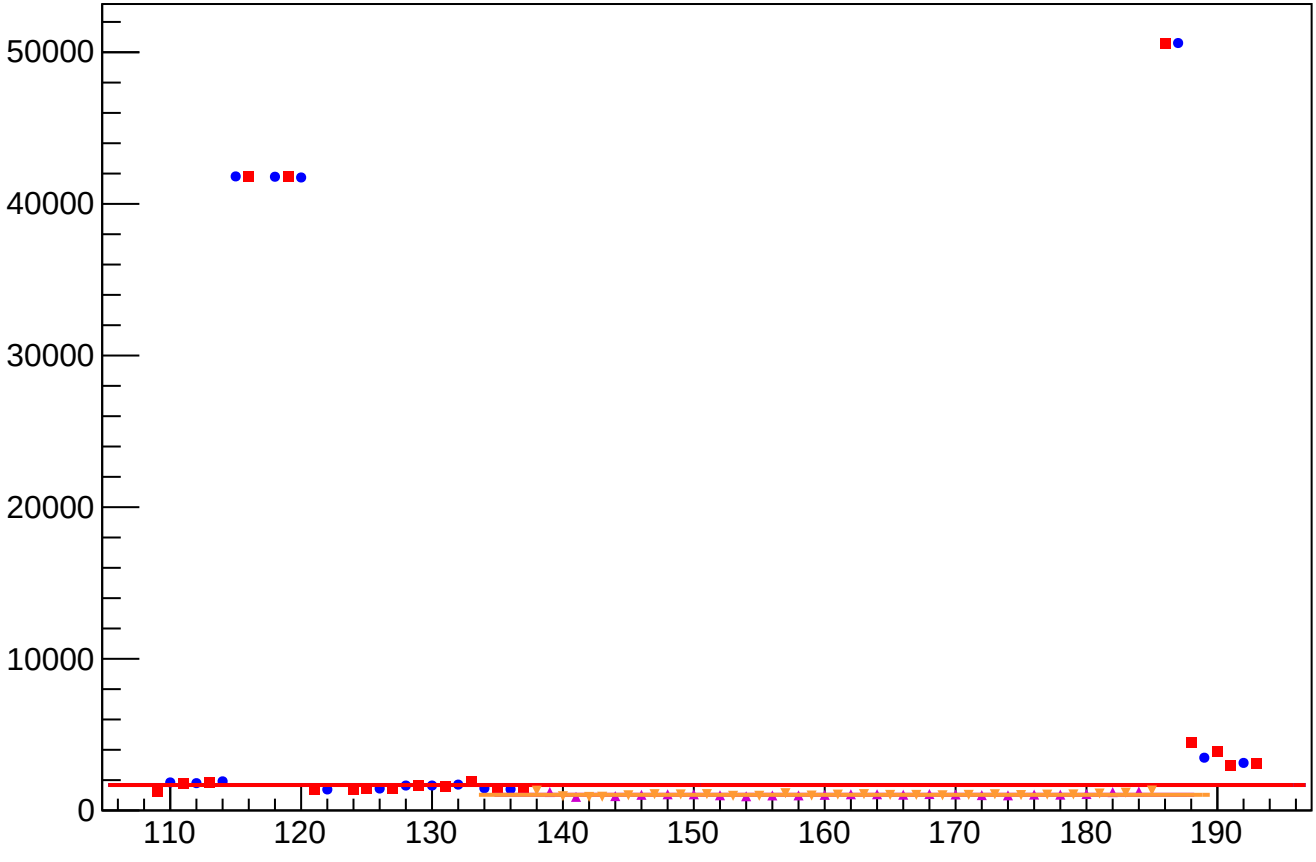
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.336+/-0.223 χ^2/NDF: 49.9/40

All: 0.026+/-0.160 χ^2/NDF: 109.4/82

- sign 0.405+/-0.228 χ^2/NDF: 54.1/41

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: 1676.858+/-0.487 χ^2/NDF: 3734245.7/18

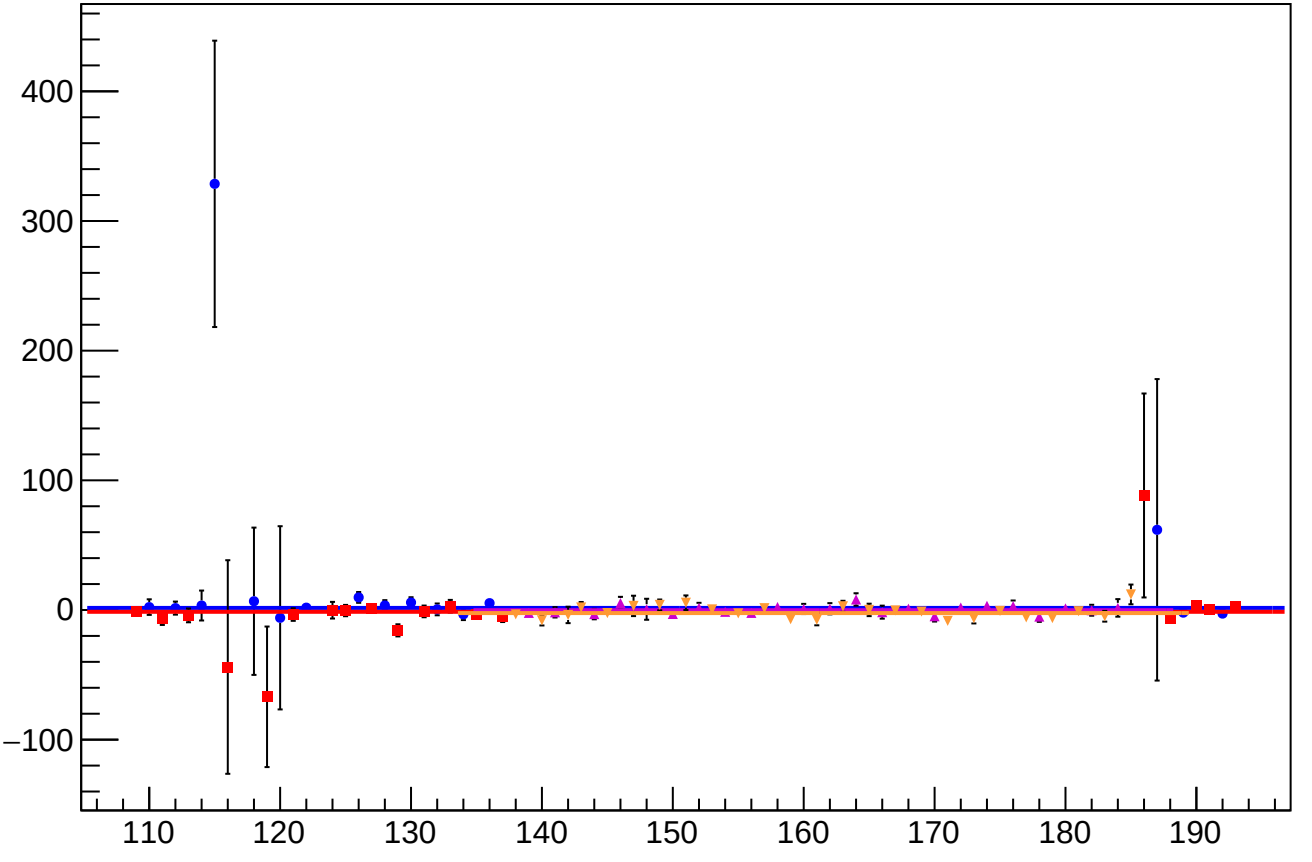
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1096.115+/-0.158 χ^2/NDF: 4833028.8/40

All: 1099.796+/-0.113 χ^2/NDF: 10313736.3/8

- sign 1103.643+/-0.162 χ^2/NDF: 5479597.4/41

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: -1.393+/-0.949 χ^2/NDF: 23.1/18

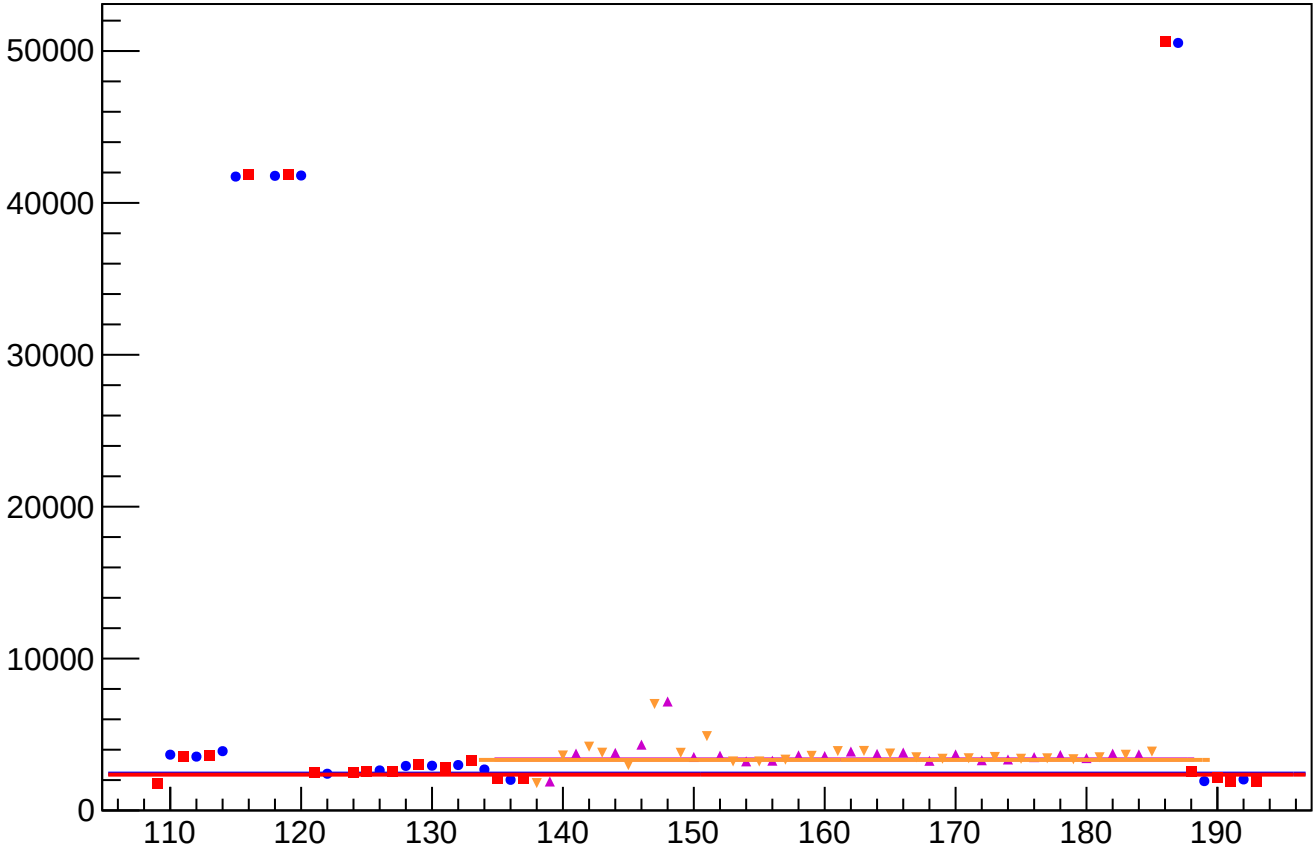
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.890+/-0.618 χ^2/NDF: 58.3/40

All: -0.788+/-0.436 χ^2/NDF: 95.1/82

- sign -0.686+/-0.616 χ^2/NDF: 36.7/41

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

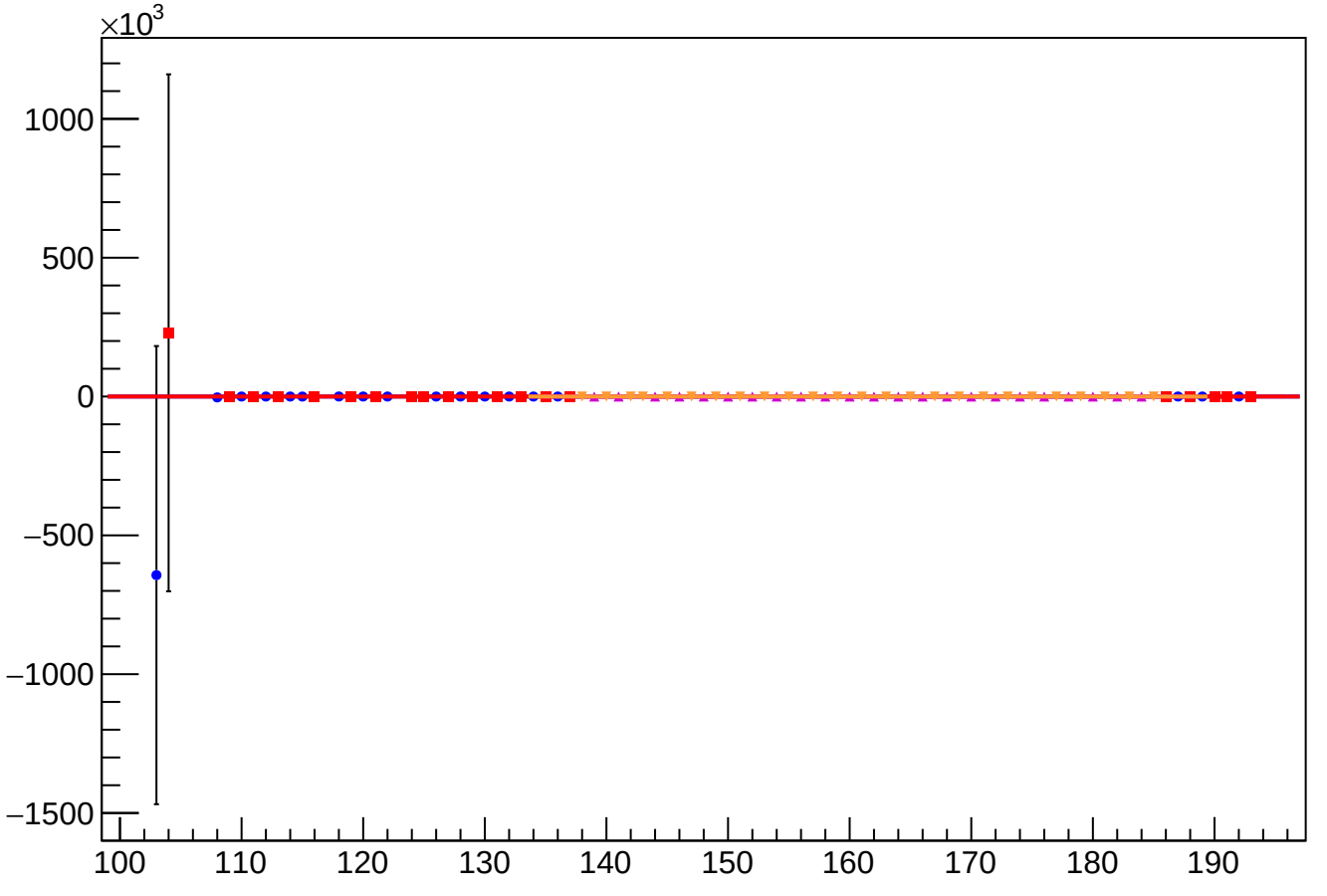
Right Out: 2358.469+/-0.671 χ^2/NDF: 2869877.6/18

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2989.894+/-0.437 χ^2/NDF: 5609304.5/40

All: 2964.012+/-0.309 χ^2/NDF: 11427549.7/8

- sign 2938.350+/-0.435 χ^2/NDF: 5811268.9/41



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: -2.678+/-0.931 χ^2/NDF: 21.4/19

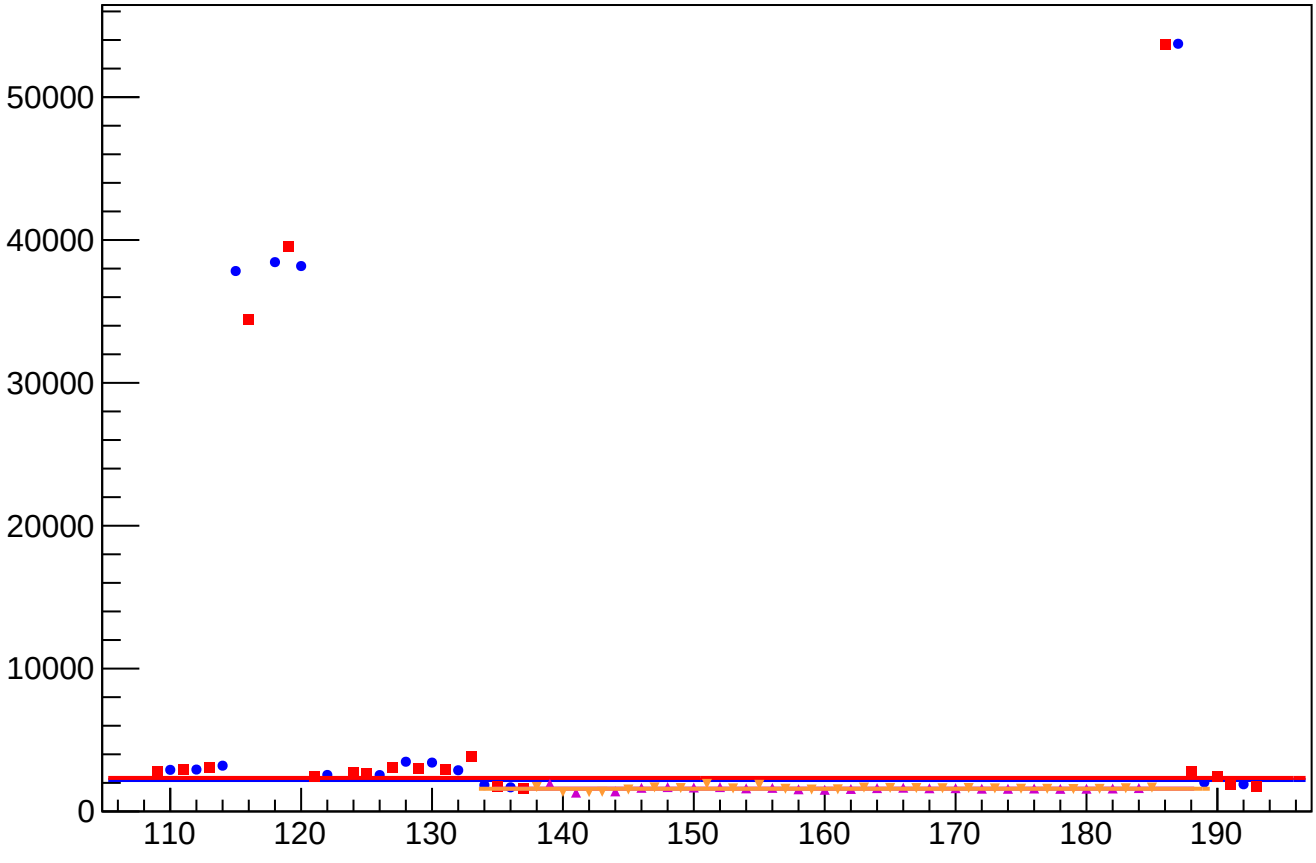
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.530+/-0.338 χ^2/NDF: 69.3/42

All: -0.960+/-0.242 χ^2/NDF: 131.0/85

- sign -0.358+/-0.347 χ^2/NDF: 55.9/42

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: 2346.948+/-0.658 χ^2/NDF: 3094674.2/18

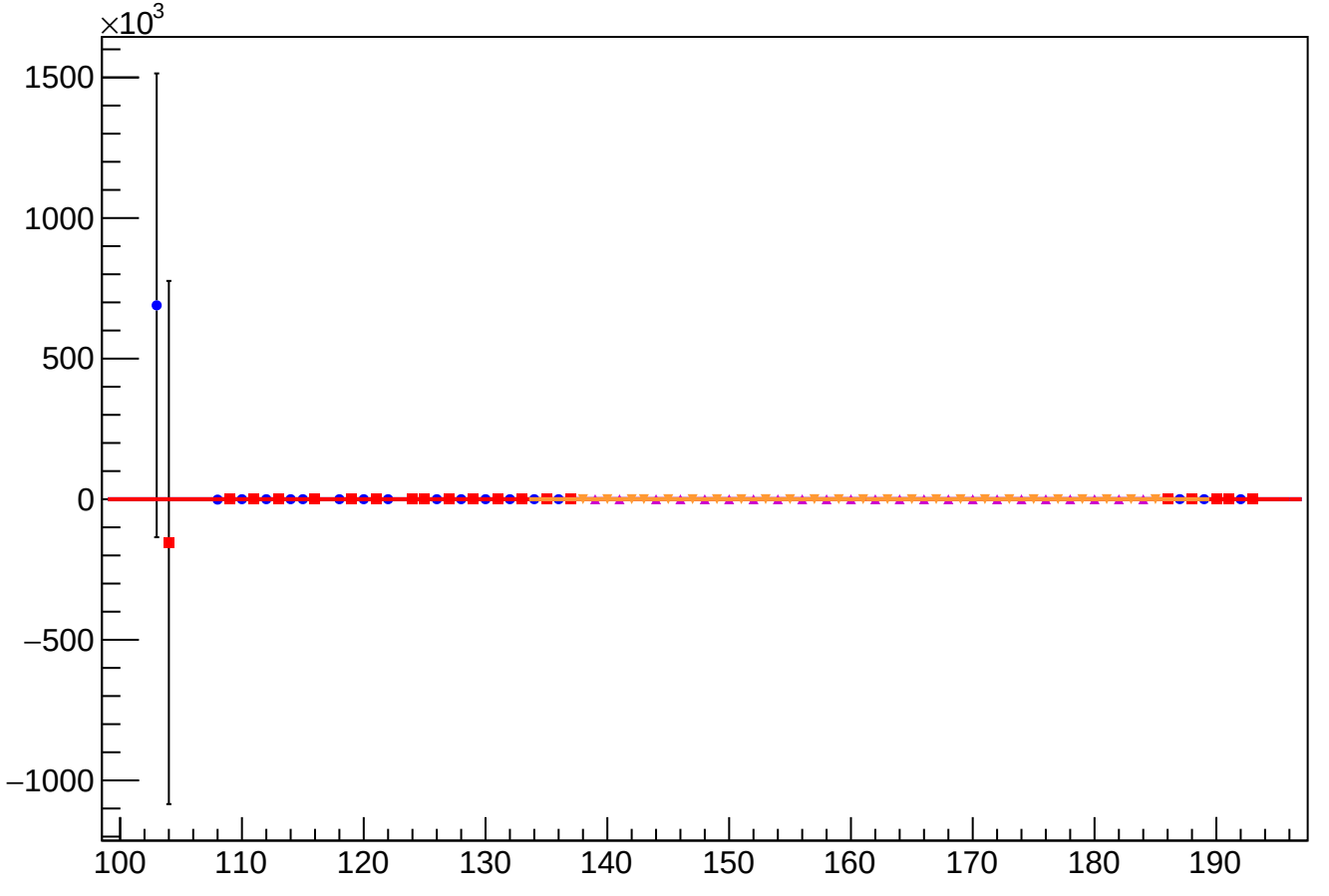
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1670.907+/-0.239 χ^2/NDF: 3873366.3/40

All: 1685.398+/-0.171 χ^2/NDF: 8291985.4/82

- sign 1700.720+/-0.246 χ^2/NDF: 4411049.5/41

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: -0.734+/-0.795 χ^2/NDF: 23.7/19

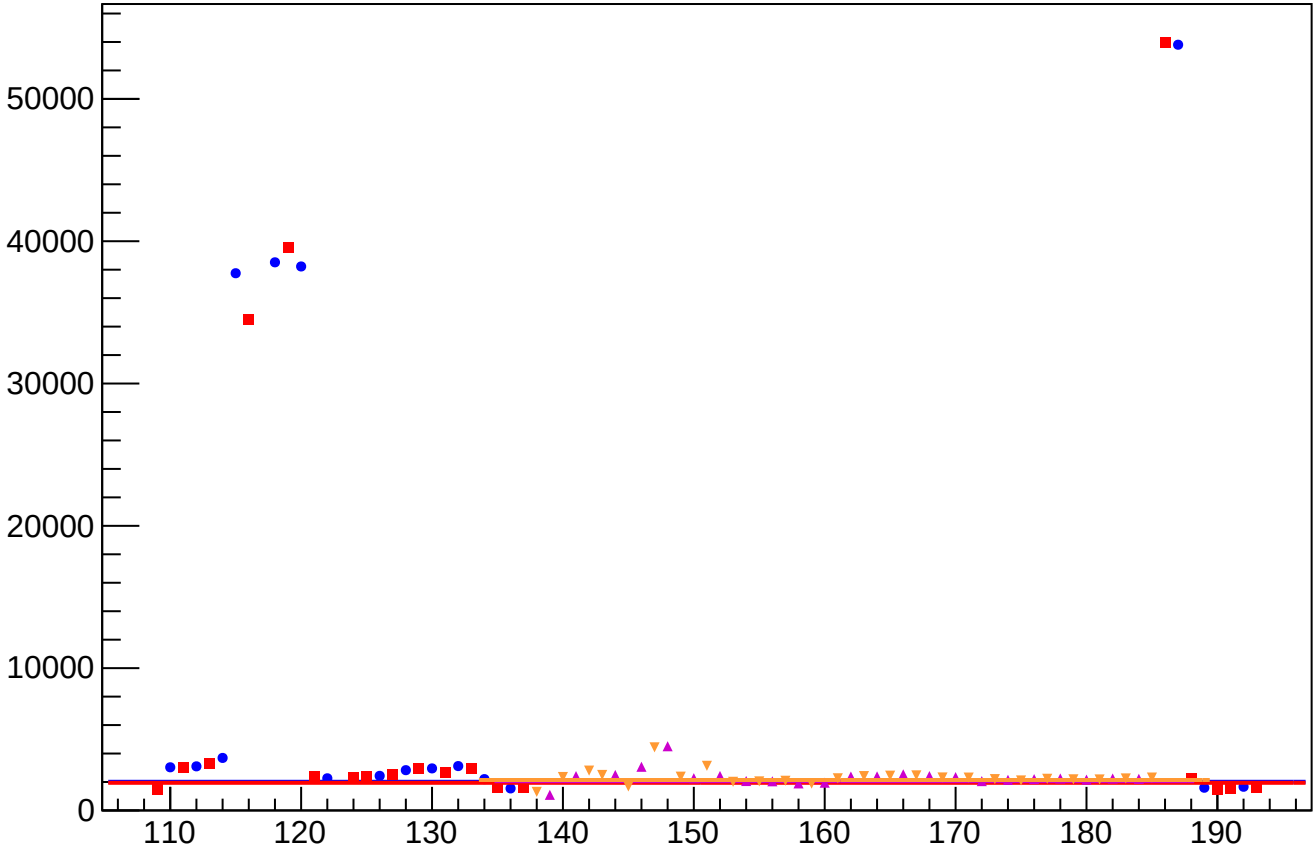
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.747+/-0.433 χ^2/NDF: 39.8/42

All: -0.427+/-0.303 χ^2/NDF: 82.4/85

- sign -0.120+/-0.424 χ^2/NDF: 41.5/42

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: 1943.356+/-0.562 χ^2/NDF: 3286299.7/18

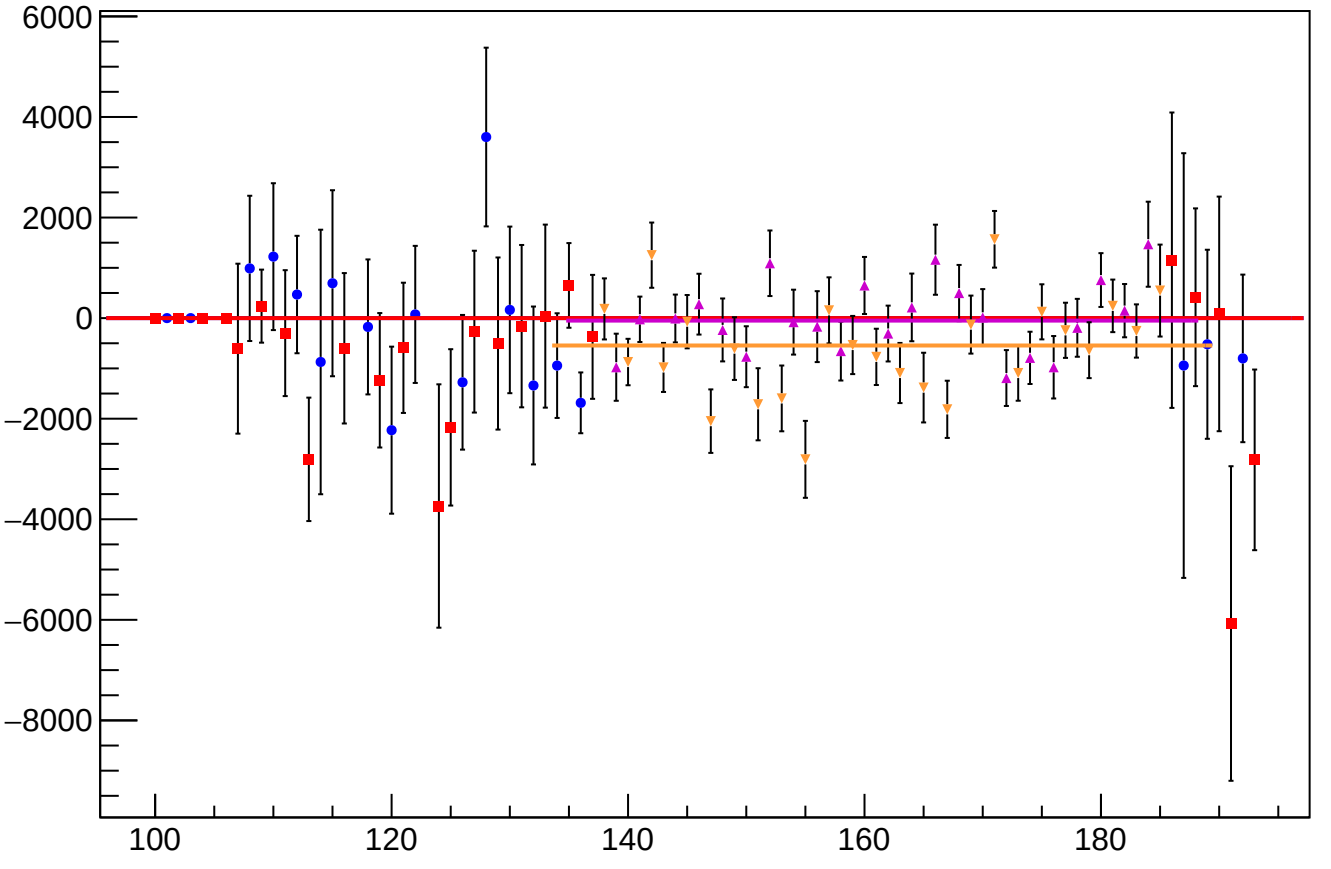
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2107.128+/-0.306 χ^2/NDF: 4601679.4/40

All: 2065.460+/-0.214 χ^2/NDF: 10247698.6/8

- sign 2025.537+/-0.300 χ^2/NDF: 5609780.1/41

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

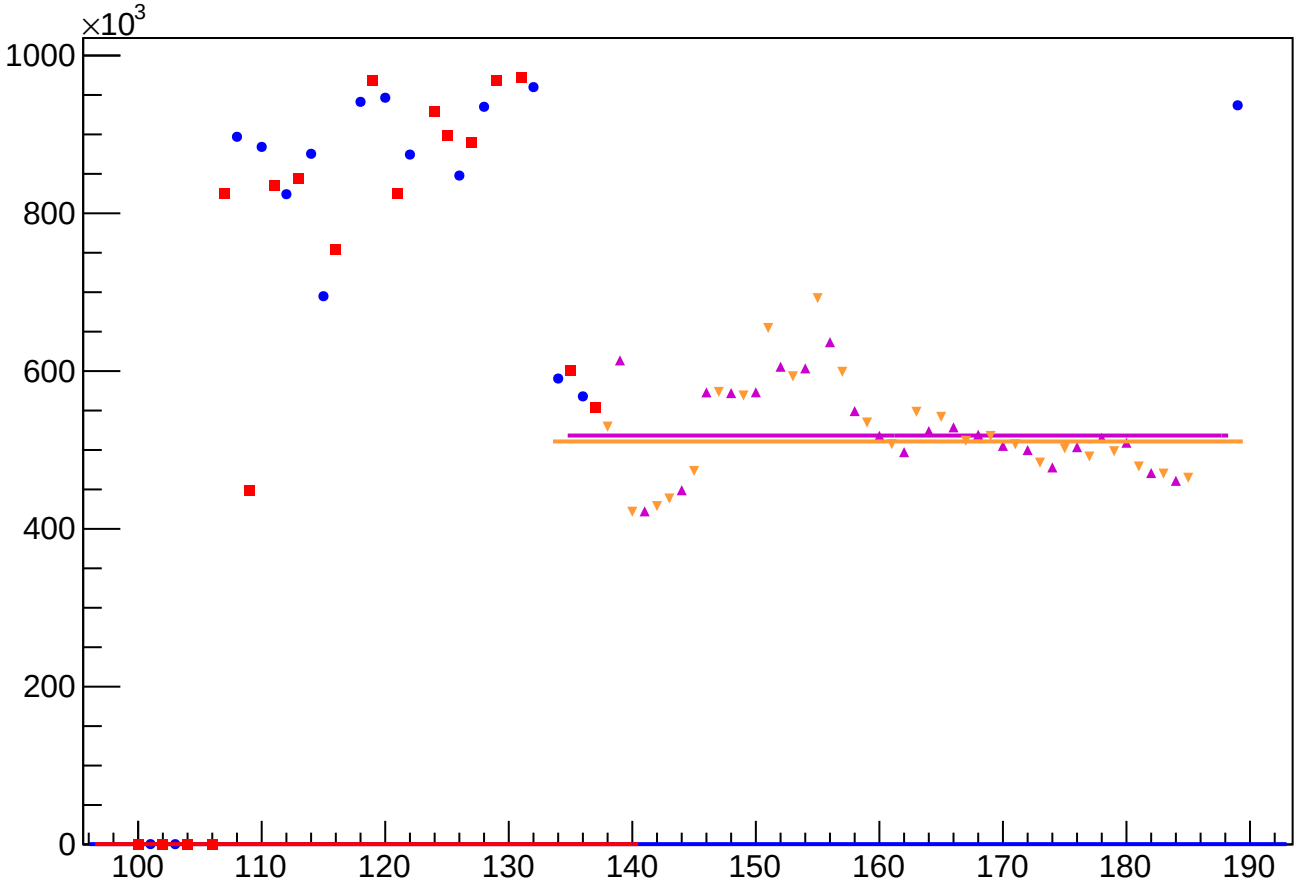
Right Out: 0.096+/-0.328 χ^2/NDF: 21.9/23

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: 150.7/90

\- sign 0.095+/-0.328 χ^2/NDF: 50.0/46



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

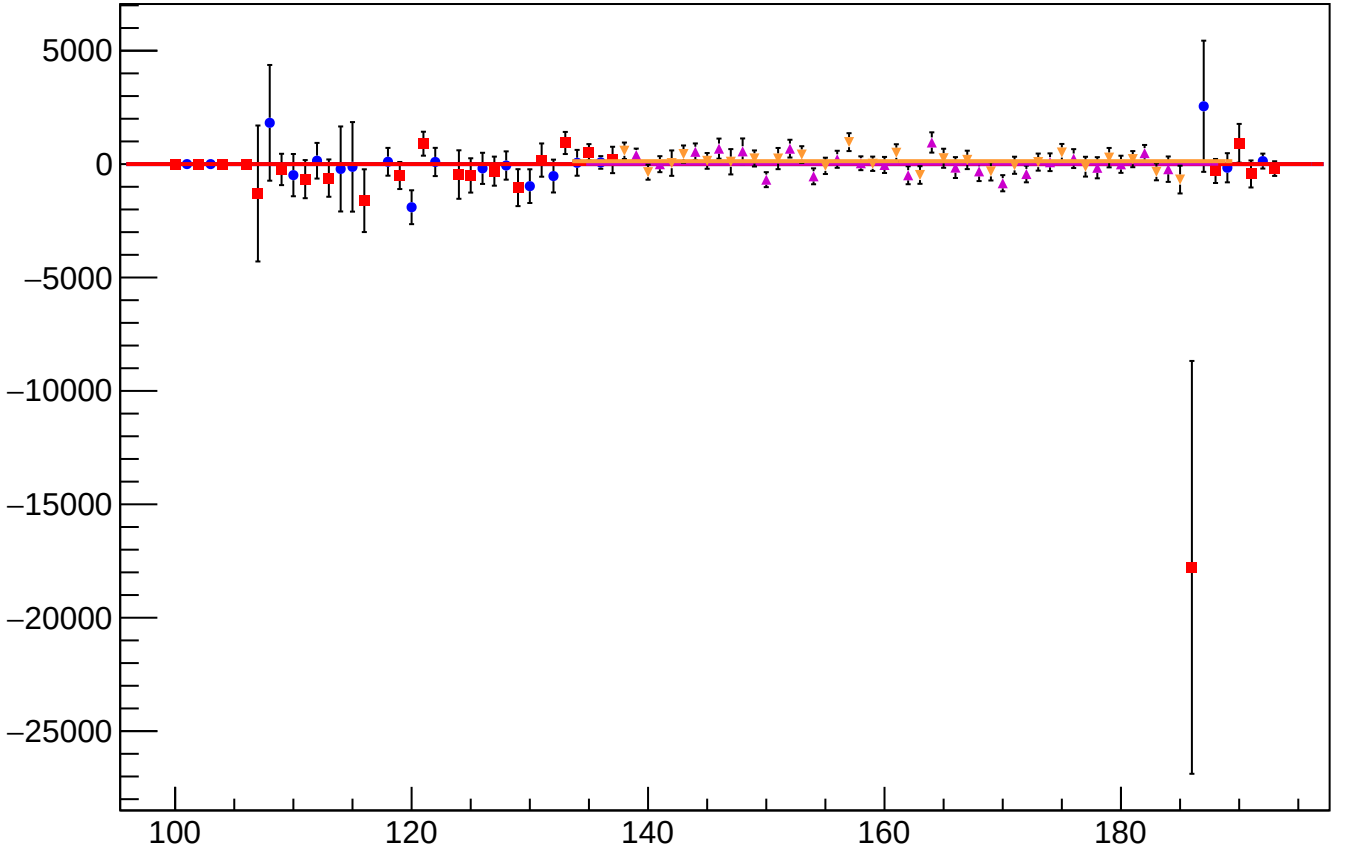
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ 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

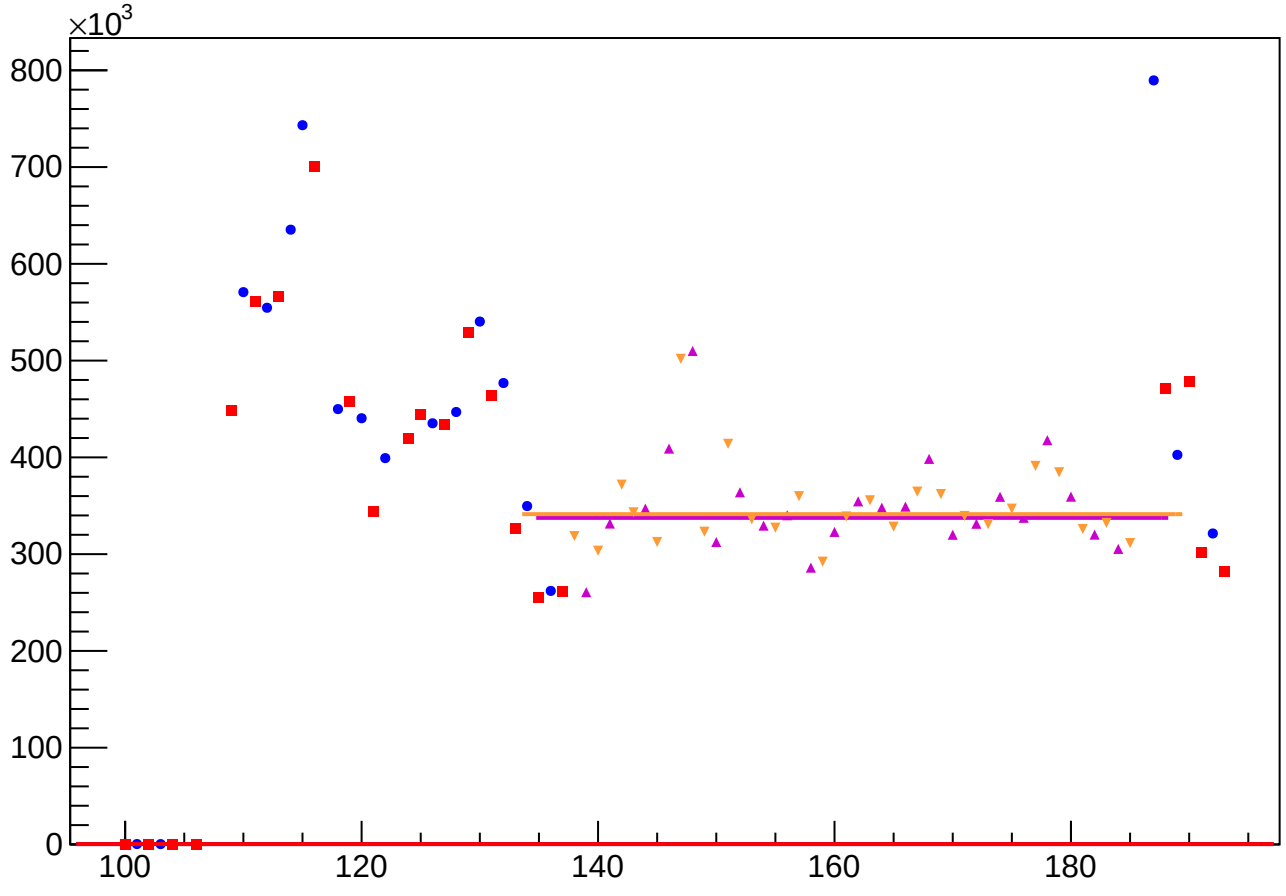
Right Out: 0.598+/-0.324 χ^2/NDF: 21.2/23

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: 90.9/90

- sign 0.599+/-0.324 χ^2/NDF: 55.0/46



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: 388.596+/-0.229 χ^2/NDF: 15265966.0/21

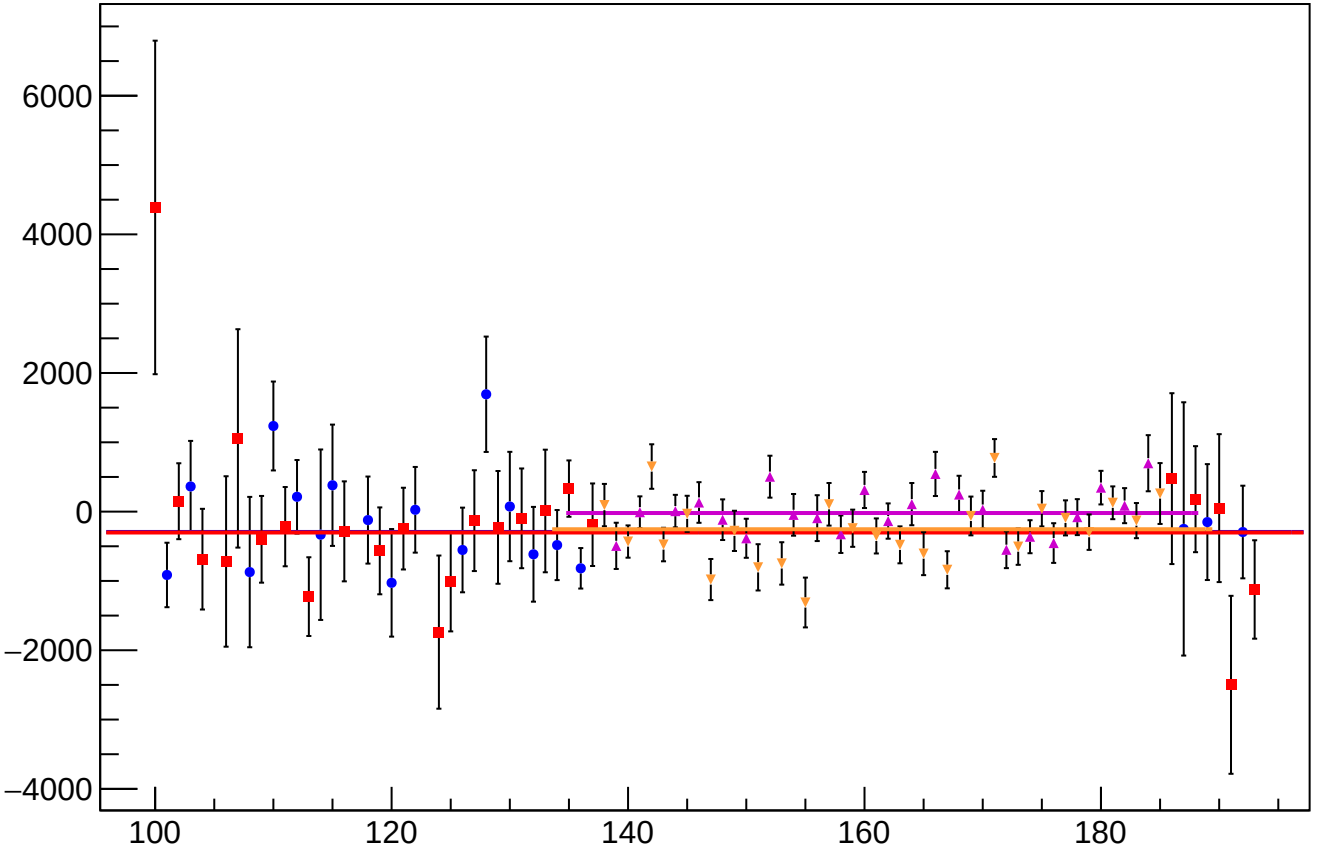
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 397.457+/-0.245 χ^2/NDF: 52193958.4/42

All: 395.689+/-0.167 χ^2/NDF: 103779085.9/8

- sign 394.150+/-0.229 χ^2/NDF: 51585030.4/44

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: -301.296+/-146.453 χ^2/NDF: 19.1/23

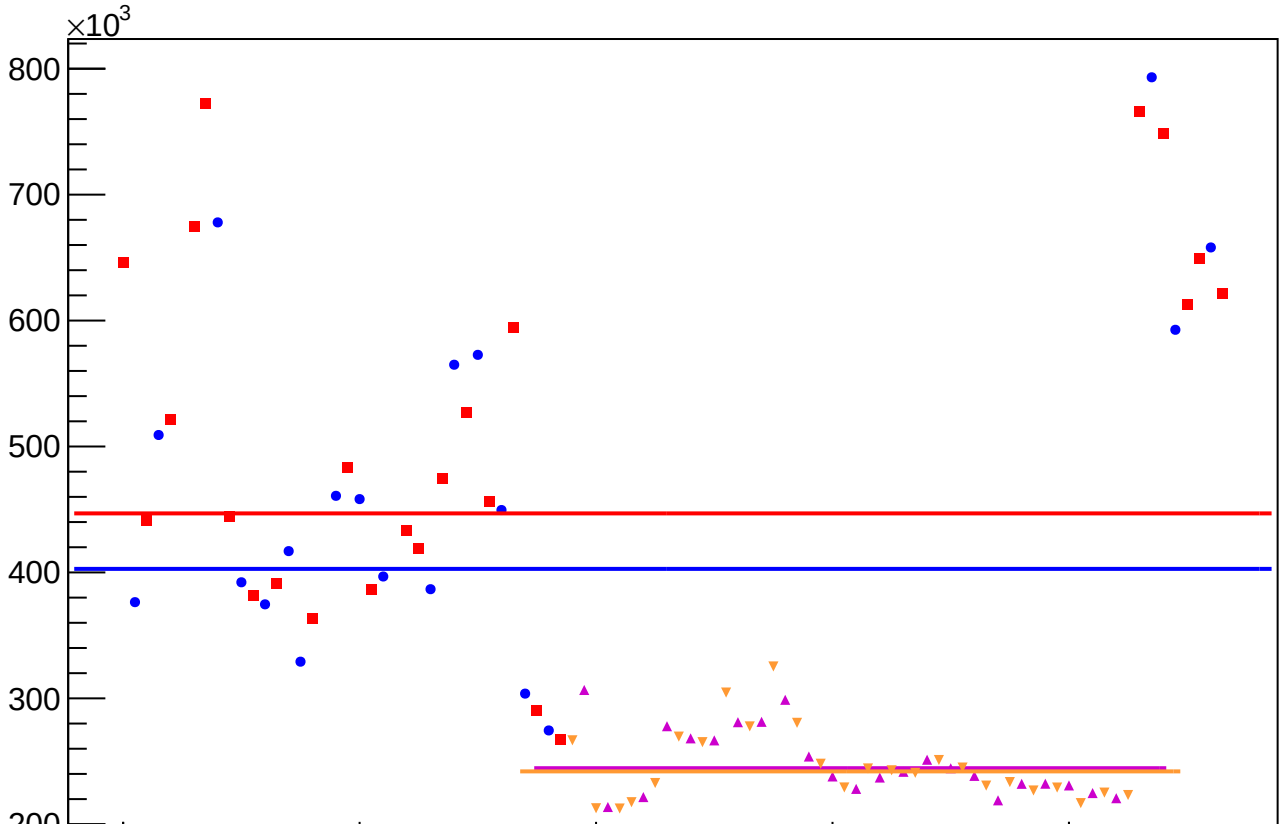
Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -259.592+/-51.596 χ^2/NDF: 82.6/43

All: -162.322+/-37.142 χ^2/NDF: 140.8/90

- sign -57.704+/-53.510 χ^2/NDF: 50.9/46

diff_cav4cX_rms vs Slug



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: 446880.291+/-103.634 χ^2/NDF: 1500265.3/23

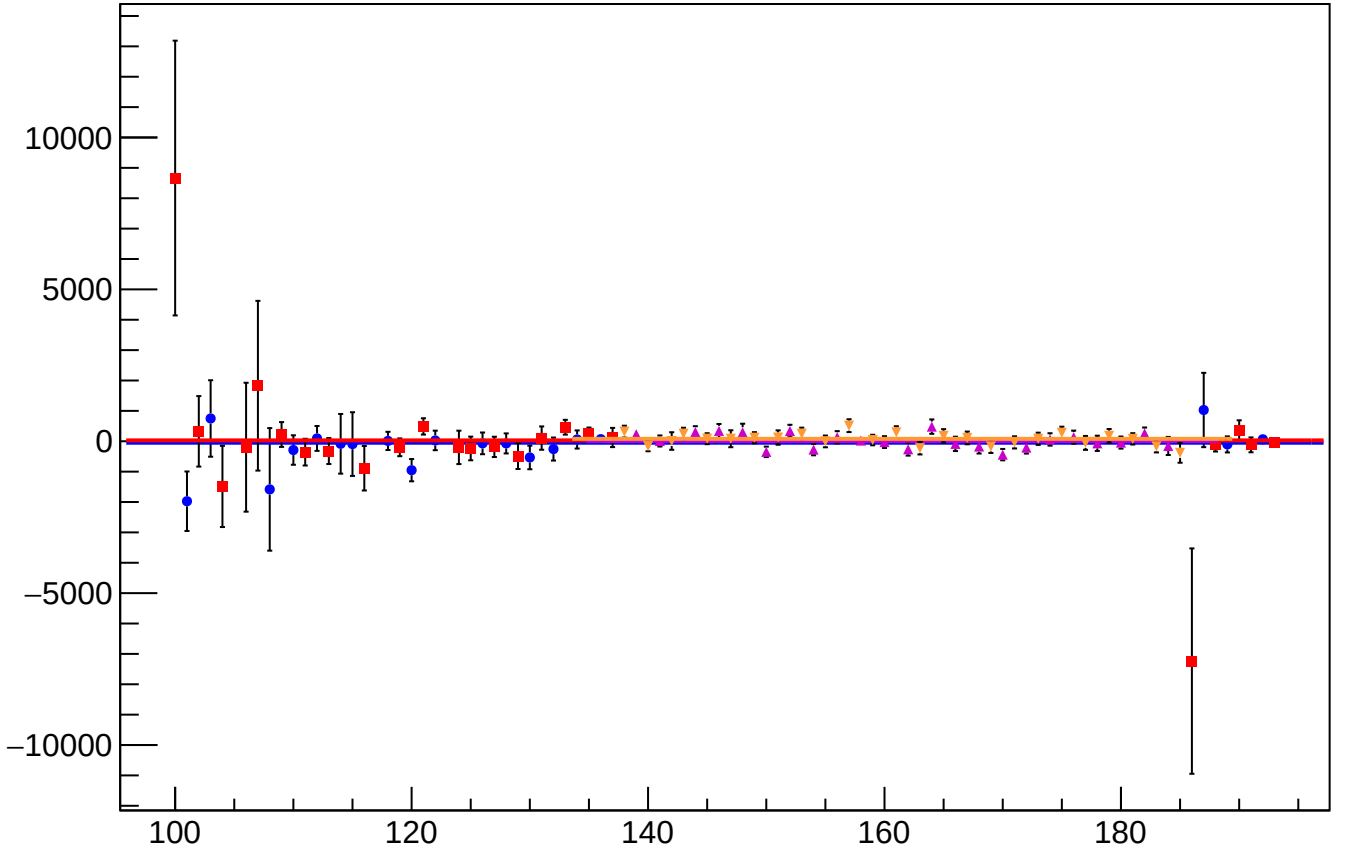
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 263414.260+/-36.485 χ^2/NDF: 4017546.7/43

All: 267319.015+/-26.265 χ^2/NDF: 9206836.

- sign 271519.363+/-37.841 χ^2/NDF: 5165514.8/46

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: 28.355+/-65.307 χ^2/NDF: 25.5/23

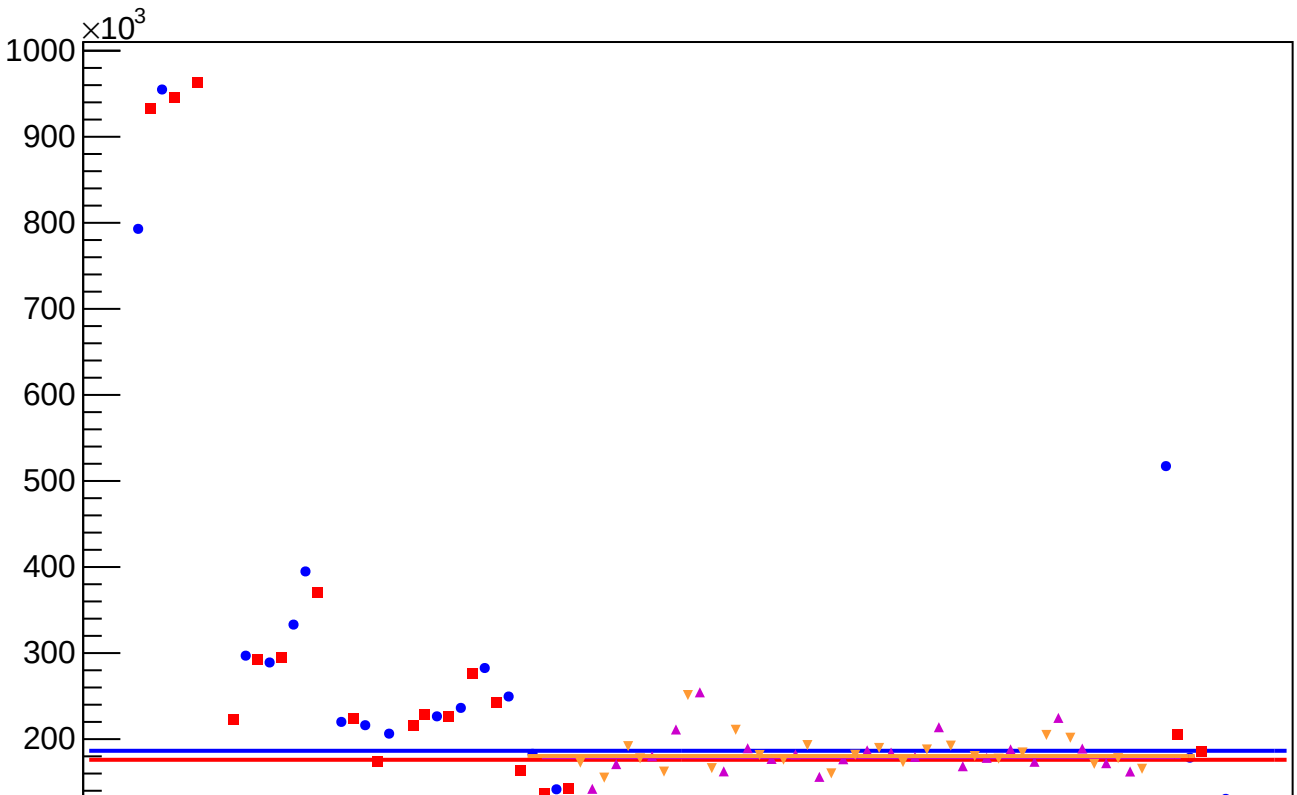
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 47.260+/-35.687 χ^2/NDF: 37.7/43

All: 32.667+/-25.155 χ^2/NDF: 96.7/90

- sign 18.255+/-35.464 χ^2/NDF: 58.7/46

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: 175986.873+/-46.250 χ^2/NDF: 2814221.6/20

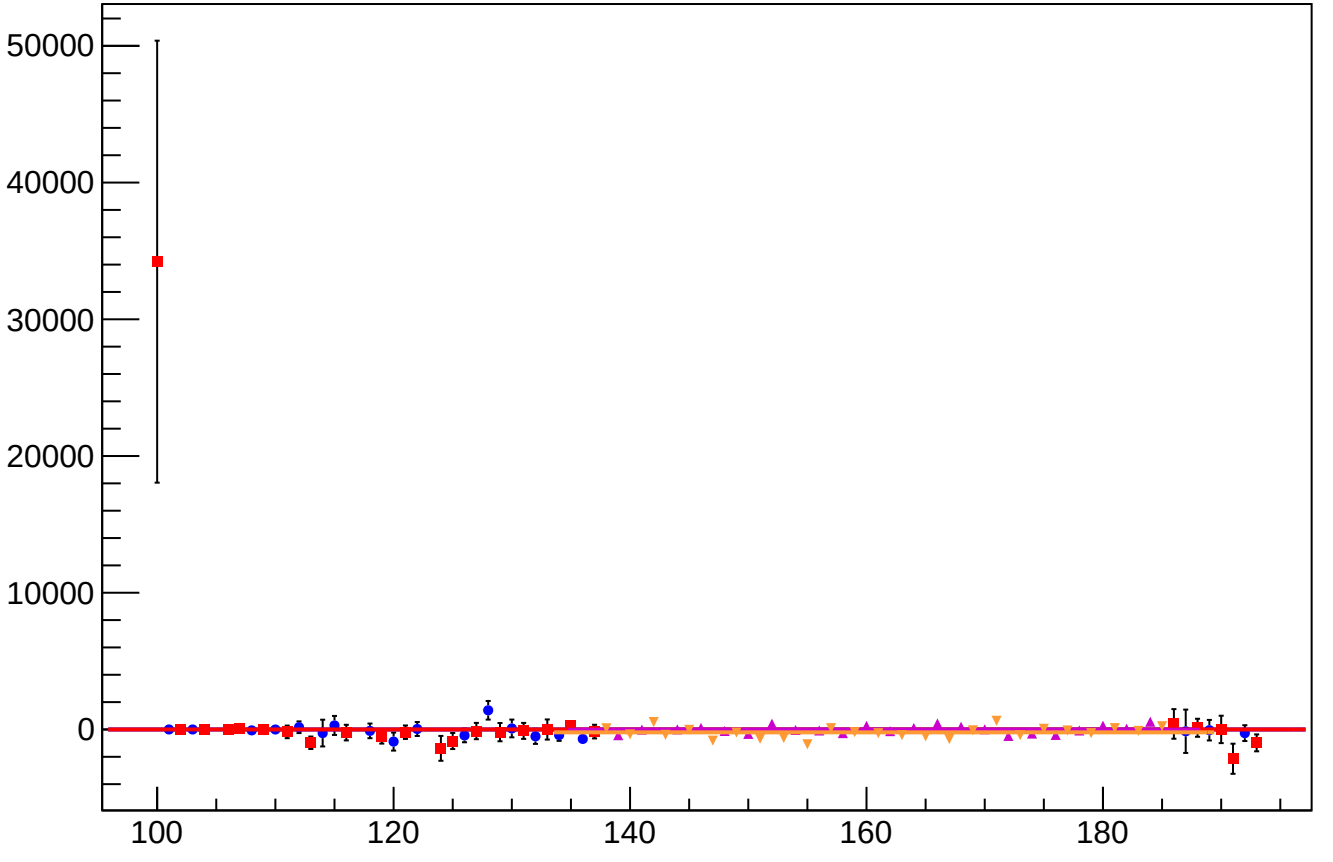
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 181886.250+/-25.242 χ^2/NDF: 2954438.0/42

All: 179996.905+/-17.794 χ^2/NDF: 6284241.

- sign 178130.477+/-25.088 χ^2/NDF: 3318666.1/43

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: 22.9/23

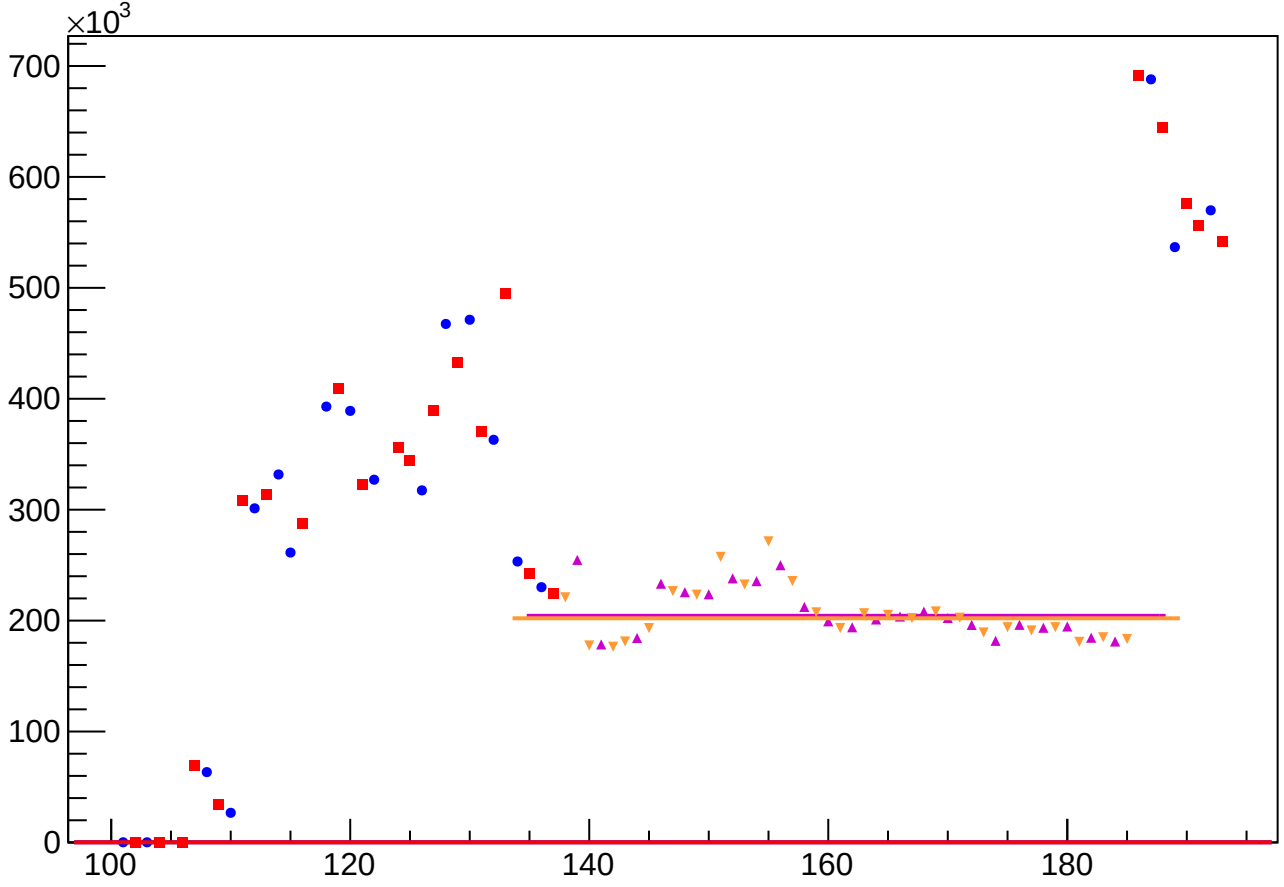
Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 100.2/43

All: -0.208+/-0.117 χ^2/NDF: 153.7/90

- sign -0.355+/-0.160 χ^2/NDF: 51.7/46

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: 149.494+/-0.113 χ^2/NDF: 16717934.6/22

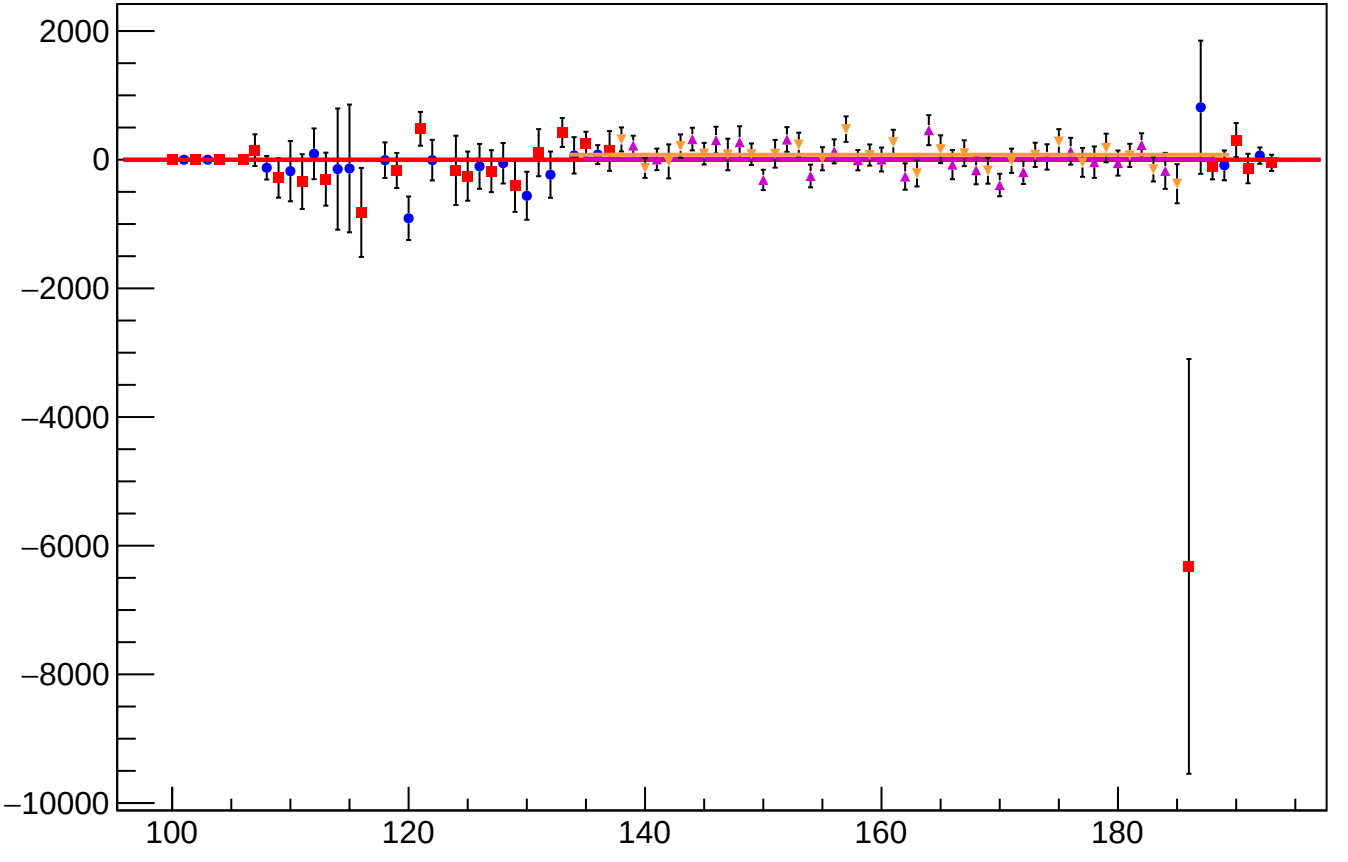
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 151.975+/-0.122 χ^2/NDF: 53134595.0/43

All: 151.862+/-0.083 χ^2/NDF: 106355271.8/8

- sign 151.763+/-0.113 χ^2/NDF: 53220675.2/45

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: 21.2/23

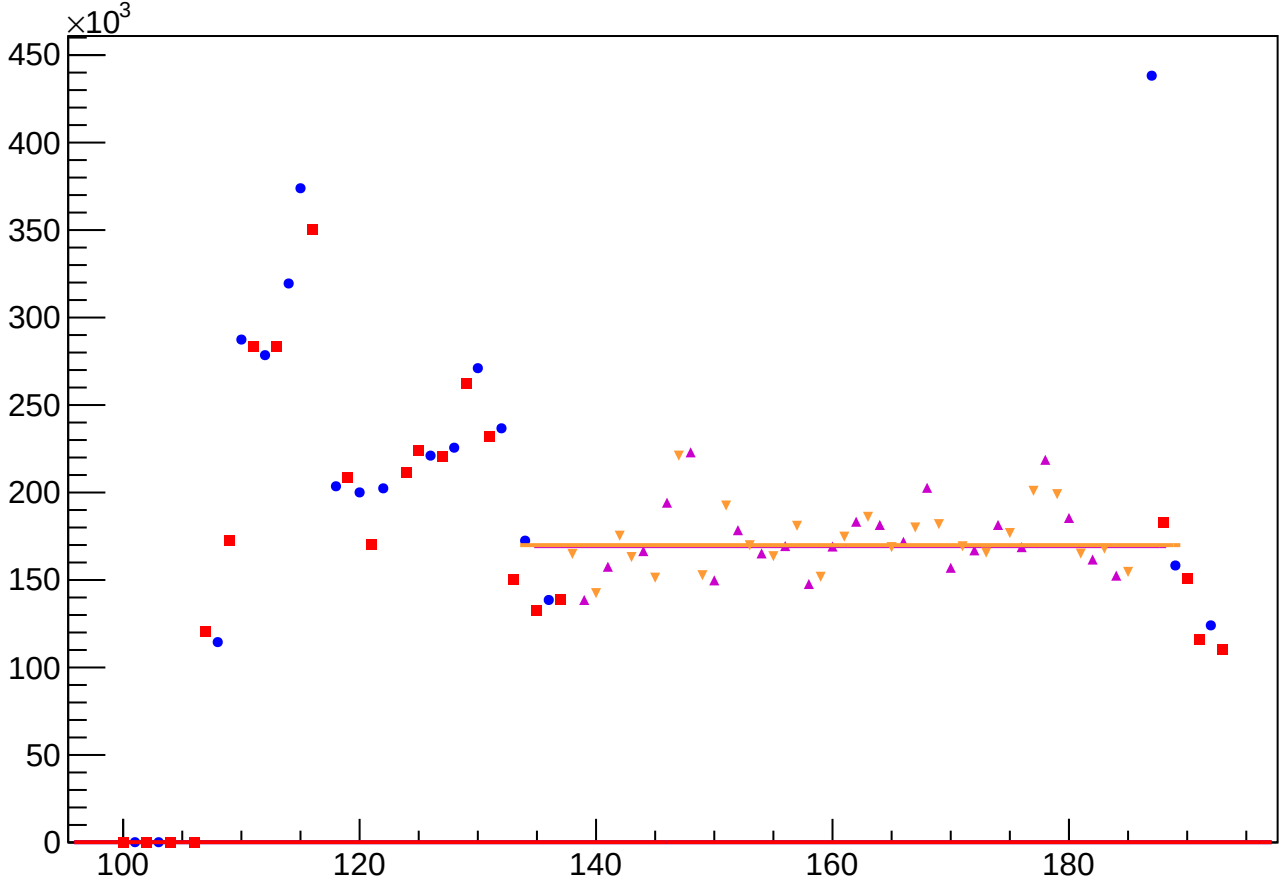
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

\+ sign -0.066+/-0.177 χ^2/NDF: 35.3/43

All: 0.036+/-0.121 χ^2/NDF: 89.9/90

\- sign 0.126+/-0.166 χ^2/NDF: 54.0/46

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: 156.602+/-0.118 χ^2/NDF: 15750852.1/22

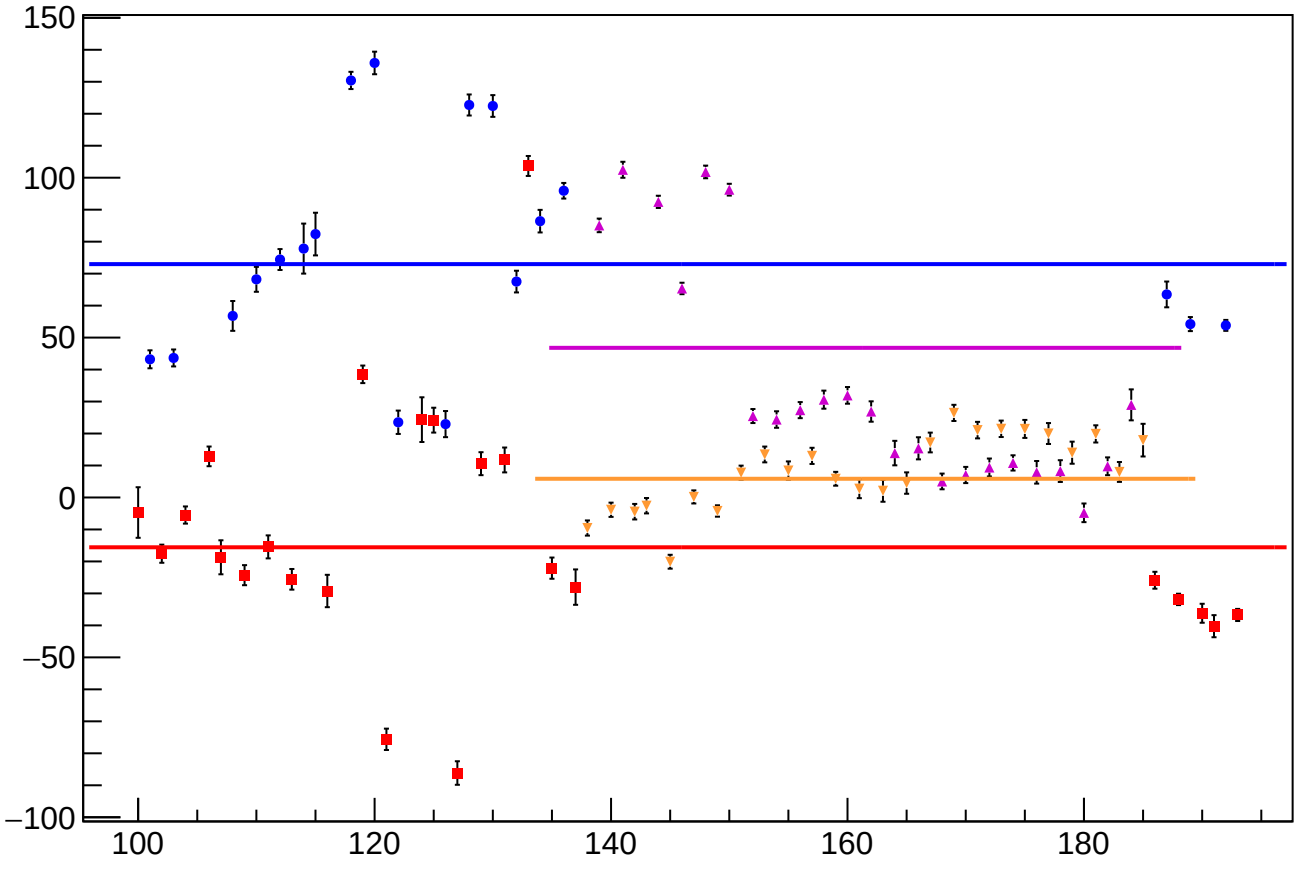
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 157.326+/-0.125 χ^2/NDF: 53500812.9/43

All: 158.504+/-0.086 χ^2/NDF: 105636656.8/8

- sign 159.543+/-0.118 χ^2/NDF: 52135677.5/45

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: -15.576+/-0.642 χ^2/NDF: 3236.1/23

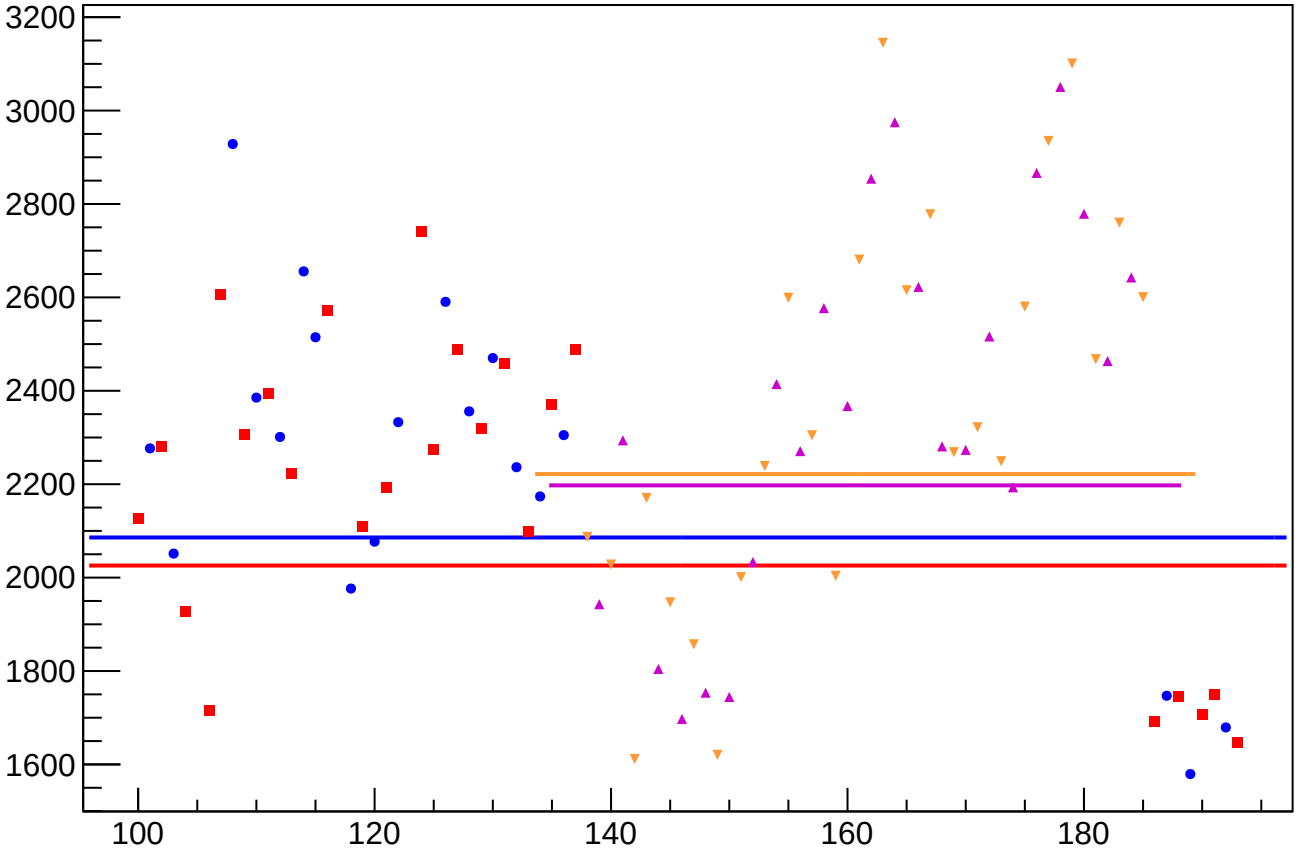
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

+ sign 28.977+/-0.416 χ^2/NDF: 8516.3/43

All: 25.330+/-0.291 χ^2/NDF: 22733.1/90

- sign 21.854+/-0.406 χ^2/NDF: 14066.9/46

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: 2025.836+/-0.454 χ^2/NDF: 471206.0/23

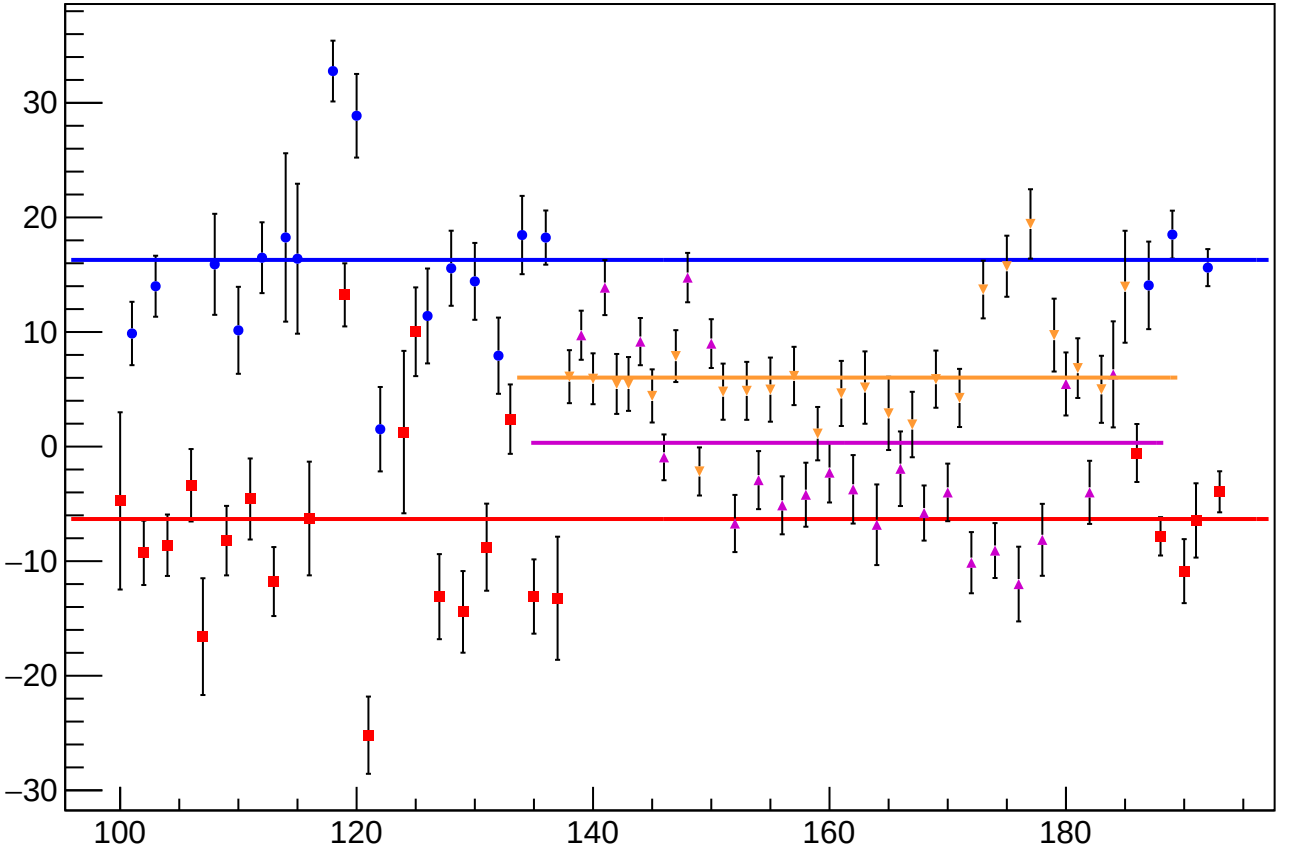
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2174.972+/-0.294 χ^2/NDF: 1683056.9/43

All: 2151.352+/-0.206 χ^2/NDF: 3357164.5/90

- sign 2128.834+/-0.287 χ^2/NDF: 1661520.6/46

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: -6.321+/-0.623 χ^2/NDF: 145.1/23

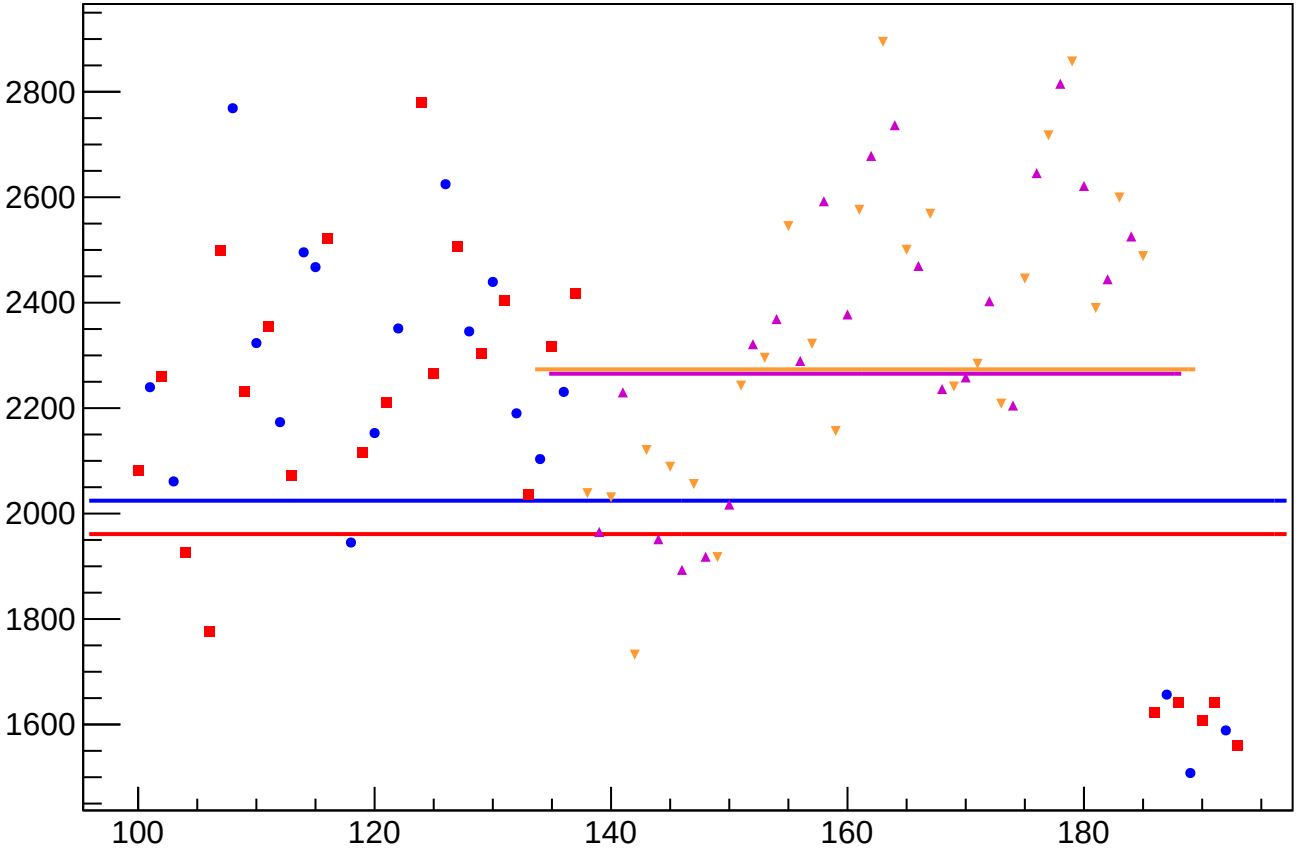
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 9.755+/-0.416 χ^2/NDF: 299.3/43

All: 3.486+/-0.290 χ^2/NDF: 1179.5/90

- sign -2.490+/-0.406 χ^2/NDF: 435.6/46

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: 1961.091+/-0.441 χ^2/NDF: 566787.0/23

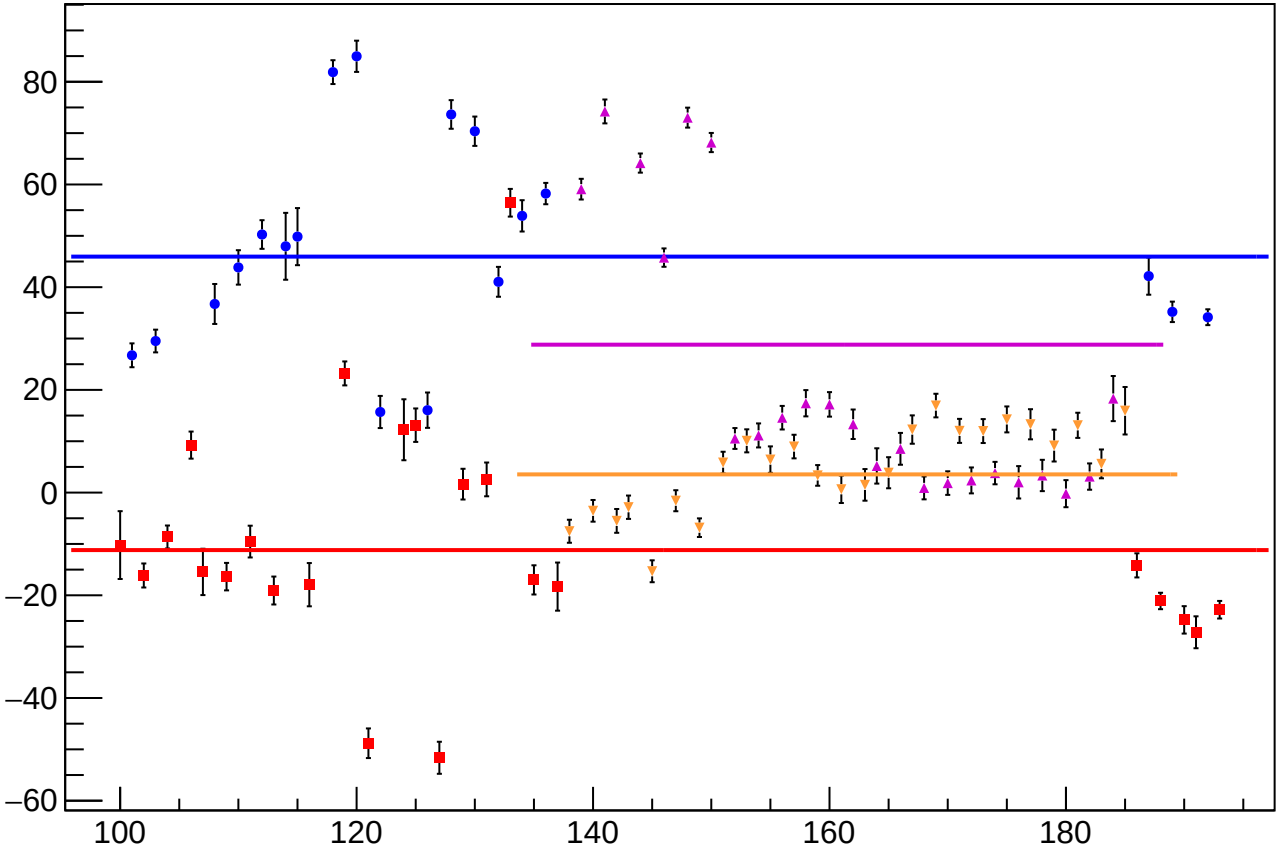
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2183.054+/-0.294 χ^2/NDF: 1225902.2/43

All: 2159.128+/-0.205 χ^2/NDF: 2575939.5/90

- sign 2136.316+/-0.287 χ^2/NDF: 1337084.4/46

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: -11.196+/-0.556 χ^2/NDF: 1518.6/23

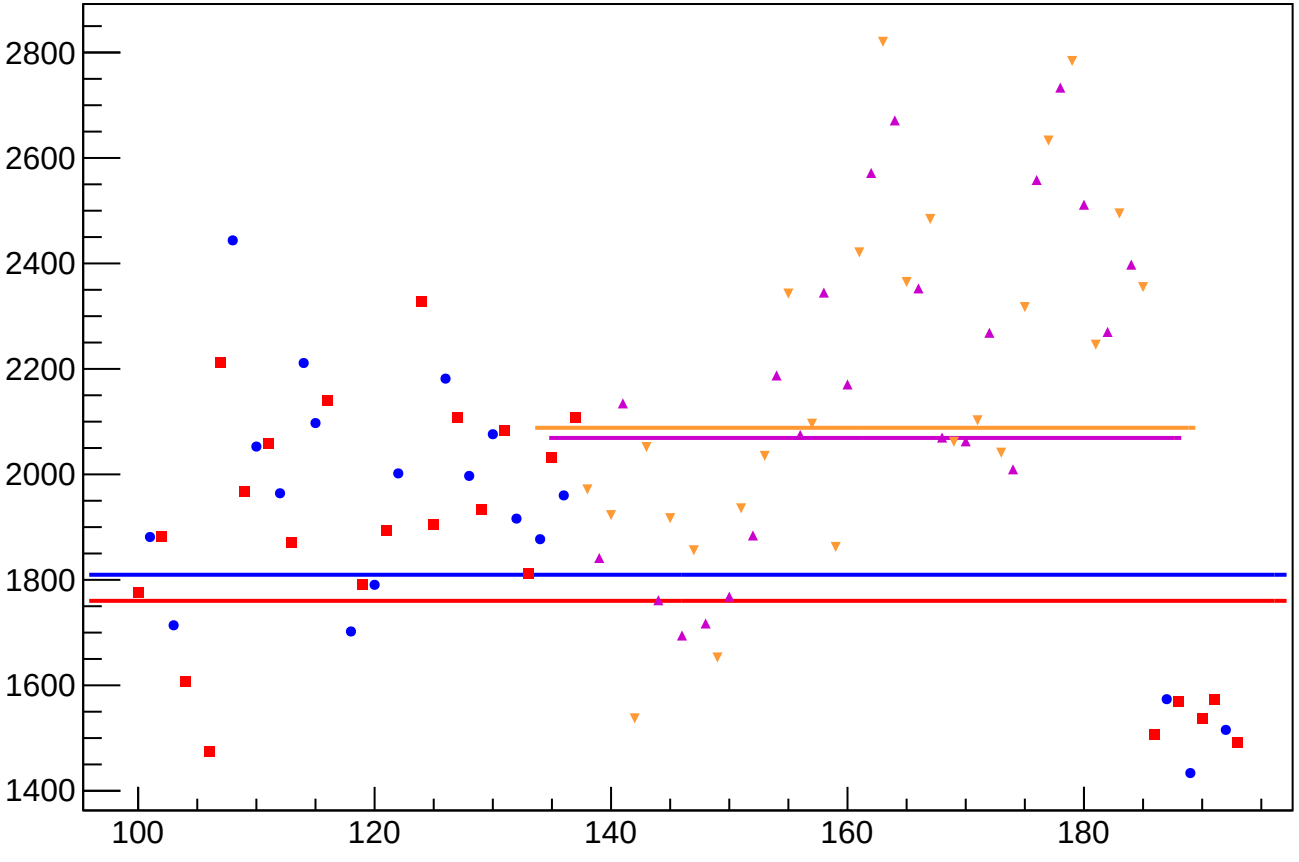
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

\+ sign 19.692+/-0.378 χ^2/NDF: 4299.0/43

All: 15.382+/-0.264 χ^2/NDF: 12240.7/90

\- sign 11.294+/-0.368 χ^2/NDF: 7688.2/46

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: 1760.205+/-0.393 χ^2/NDF: 338906.5/23

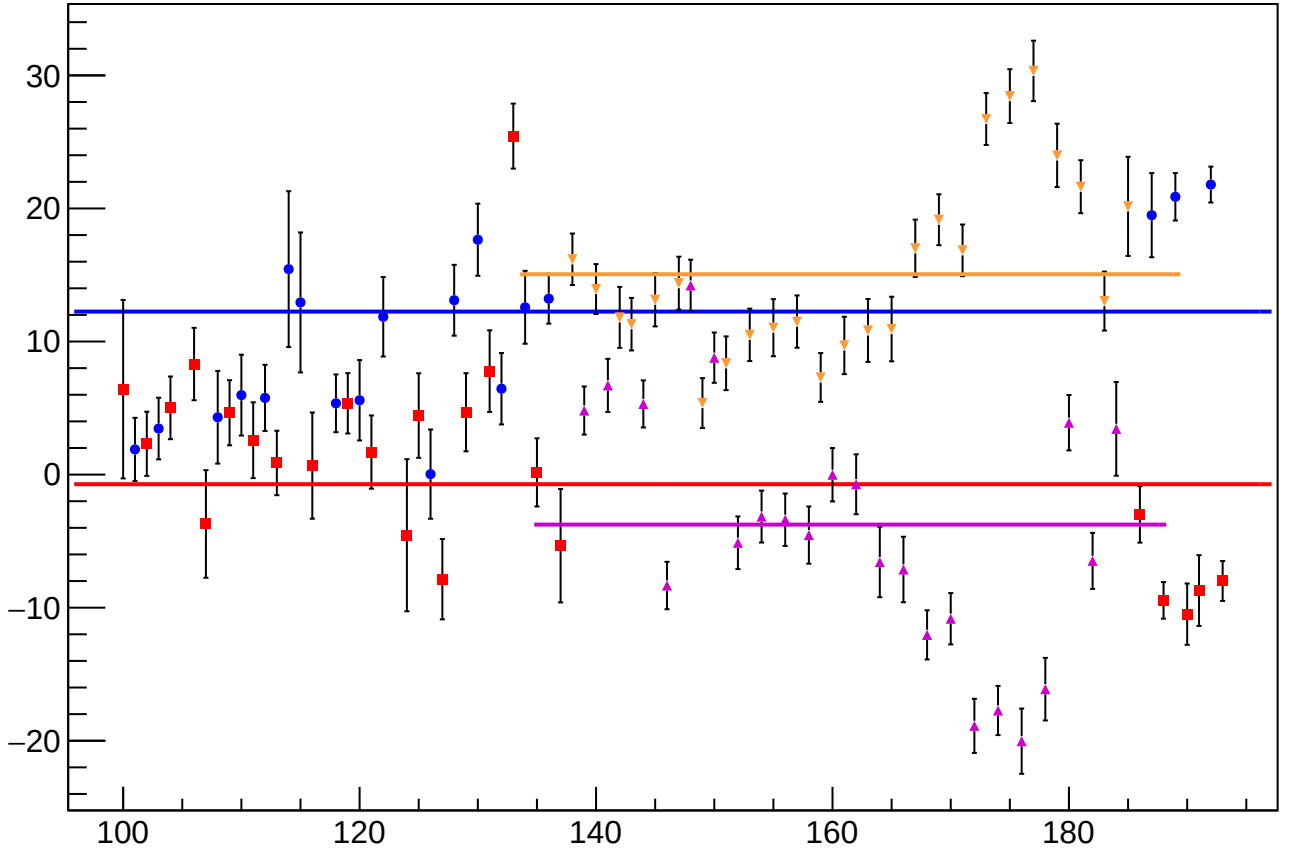
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1982.243+/-0.267 χ^2/NDF: 1360517.0/43

All: 1957.426+/-0.186 χ^2/NDF: 2774477.2/90

- sign 1933.889+/-0.260 χ^2/NDF: 1397157.6/46

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: -0.721+/-0.514 χ^2/NDF: 262.8/23

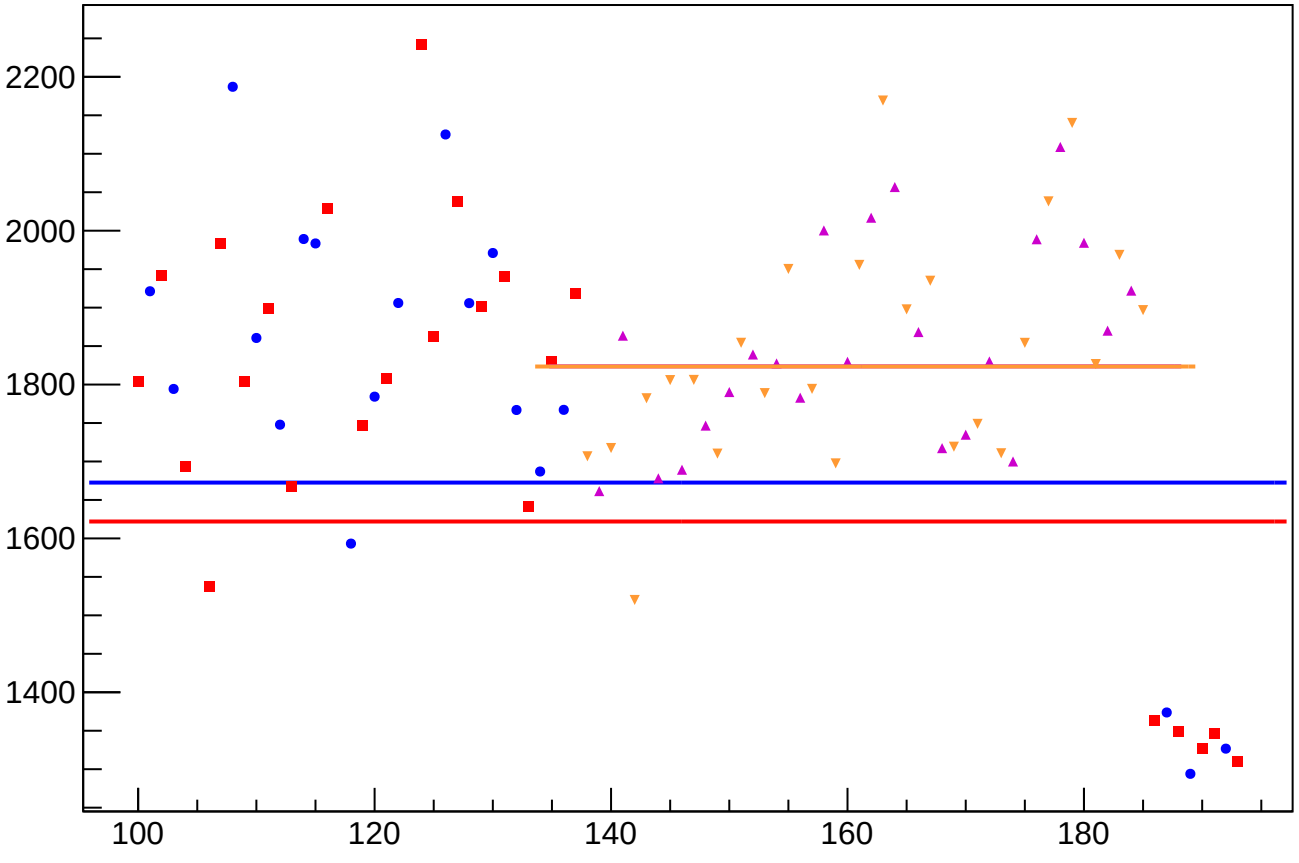
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 14.076+/-0.335 χ^2/NDF: 428.4/43

All: 5.618+/-0.235 χ^2/NDF: 2419.0/90

- sign -2.515+/-0.329 χ^2/NDF: 742.5/46

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: 1621.978+/-0.363 χ^2/NDF: 508113.6/23

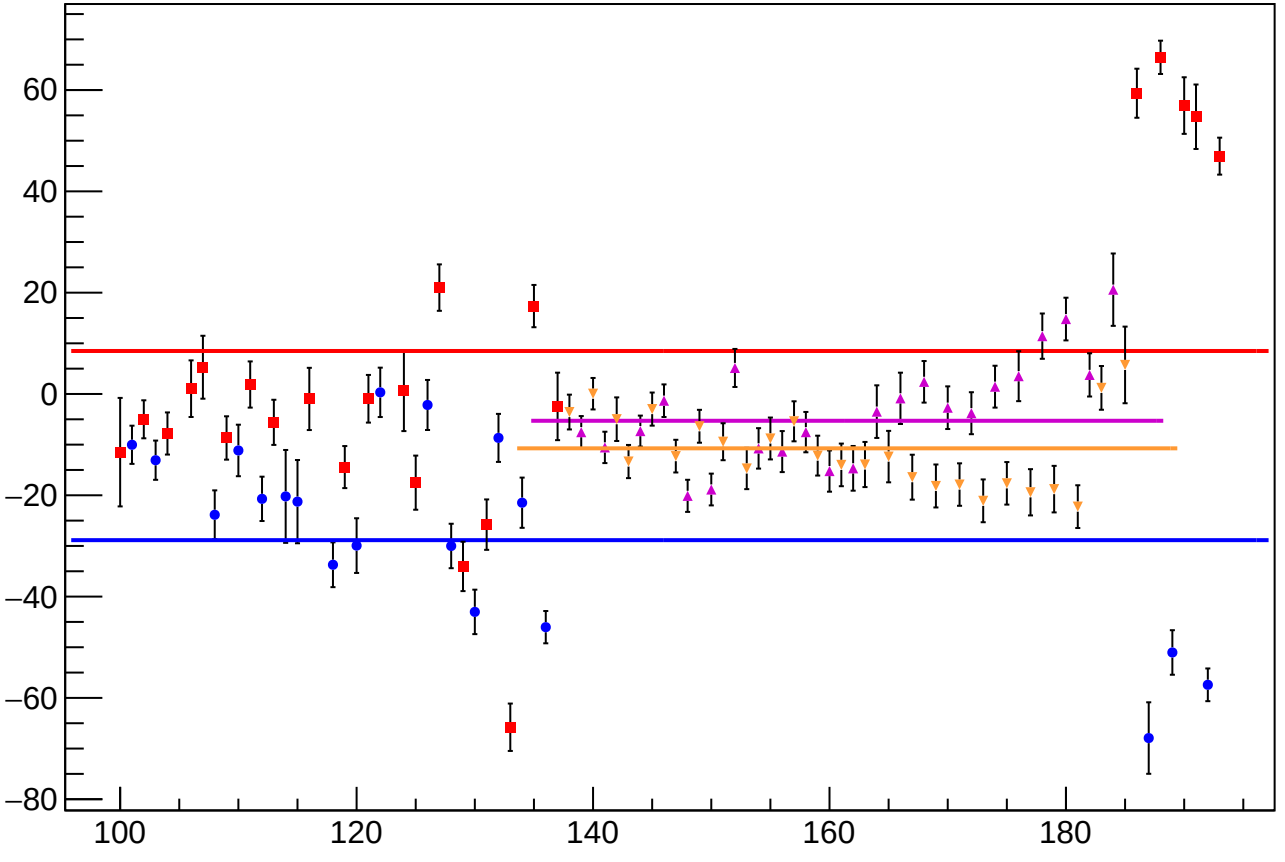
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1770.751+/-0.237 χ^2/NDF: 738217.4/43

All: 1755.639+/-0.166 χ^2/NDF: 1599899.7/90

- sign 1741.106+/-0.233 χ^2/NDF: 853713.2/46

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: 8.487+/-0.975 χ^2/NDF: 1174.4/23

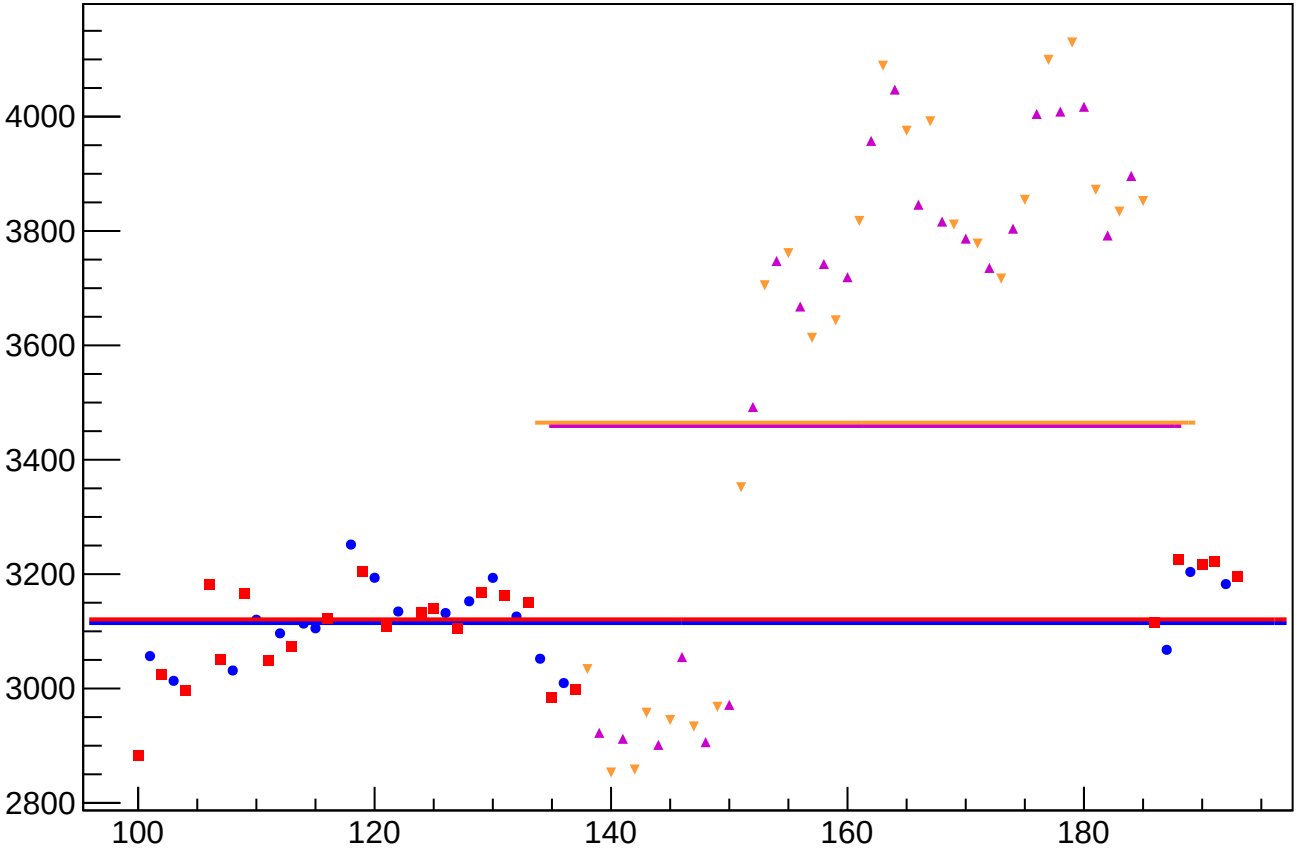
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -17.390+/-0.631 χ^2/NDF: 585.7/43

All: -8.420+/-0.444 χ^2/NDF: 2410.9/90

- sign 0.370+/-0.625 χ^2/NDF: 1425.6/46

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: 3120.925+/-0.689 χ^2/NDF: 13615.5/23

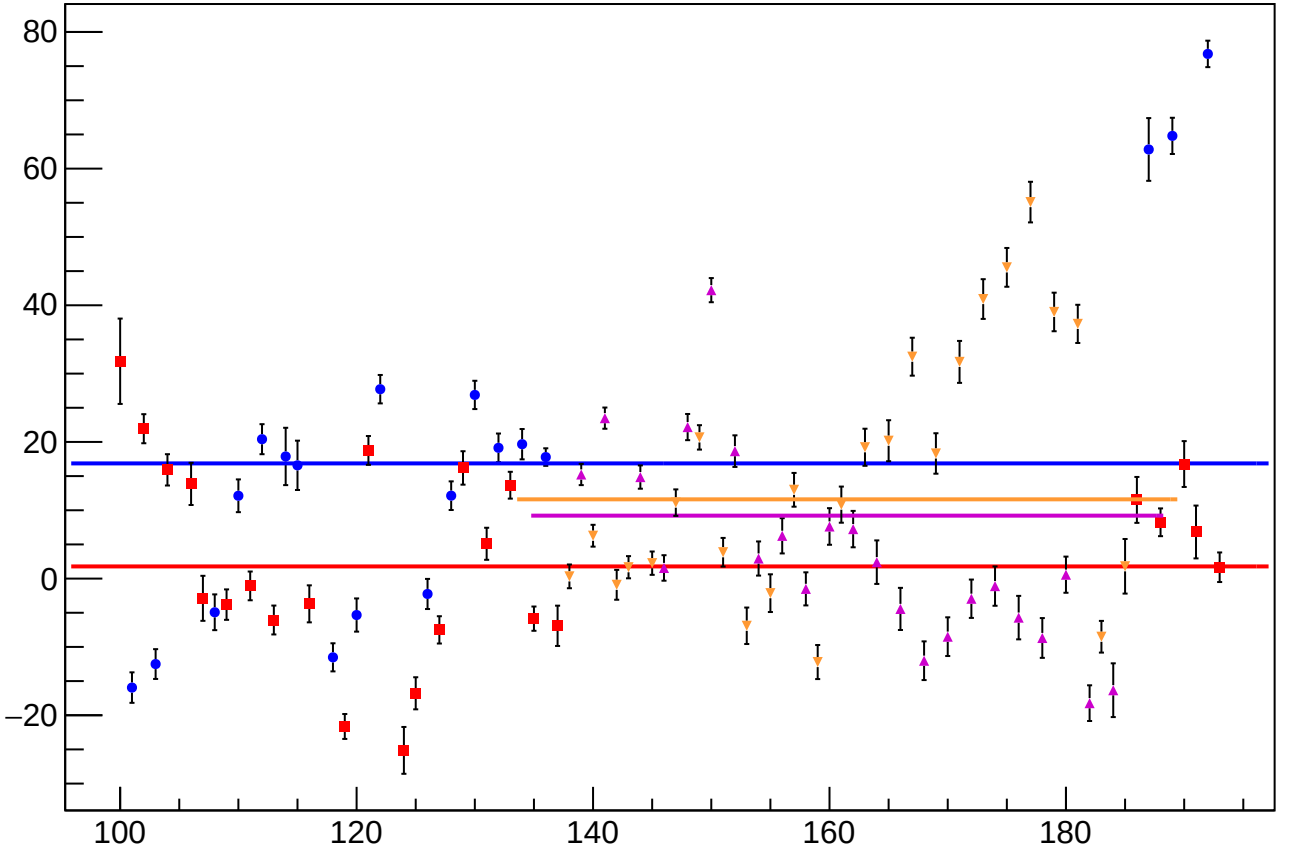
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3336.197+/-0.446 χ^2/NDF: 797145.2/43

All: 3328.078+/-0.314 χ^2/NDF: 1536407.2/90

- sign 3320.123+/-0.442 χ^2/NDF: 738607.4/46

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: 1.781+/-0.488 χ^2/NDF: 710.7/23

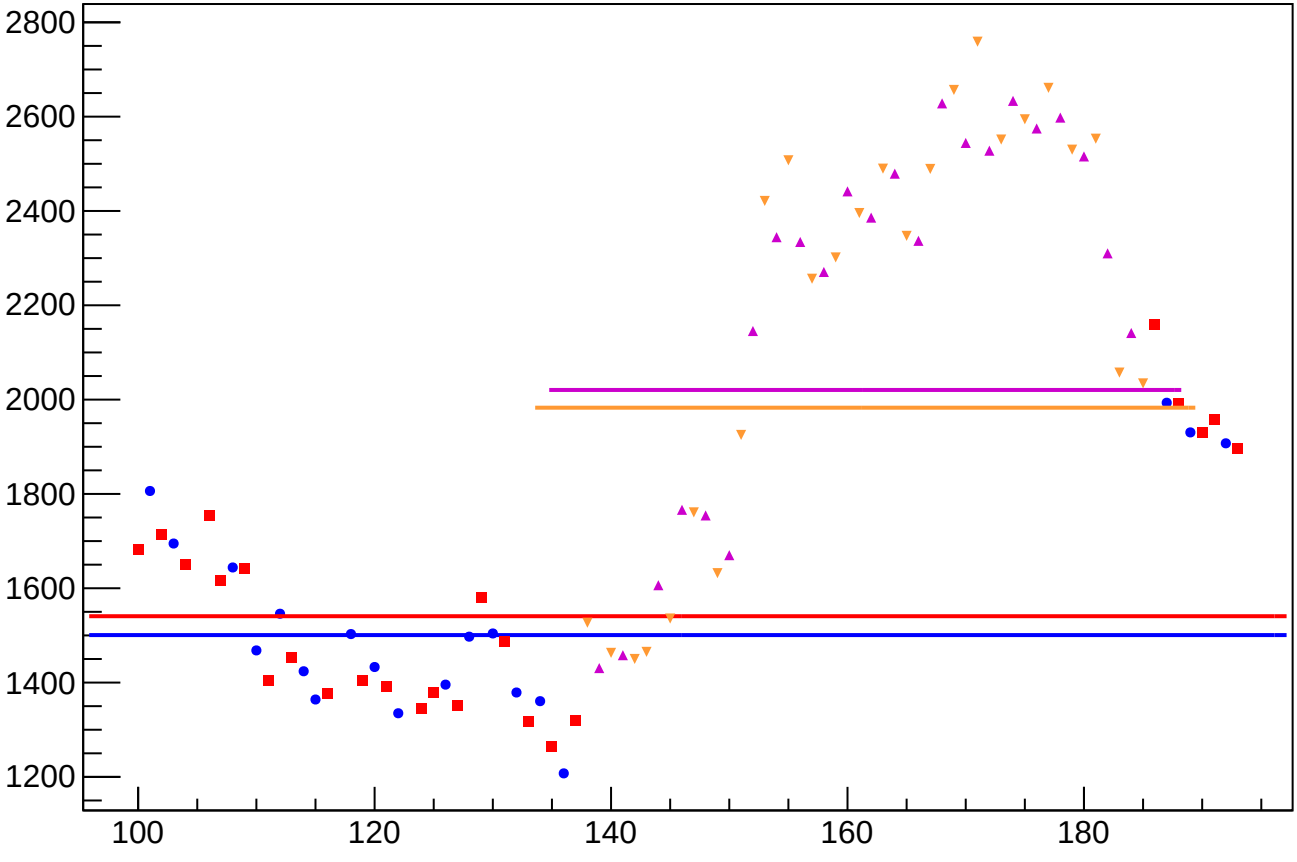
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

+ sign 13.986+/-0.342 χ^2/NDF: 3521.3/43

All: 9.768+/-0.243 χ^2/NDF: 5593.9/90

- sign 5.526+/-0.343 χ^2/NDF: 1768.4/46

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

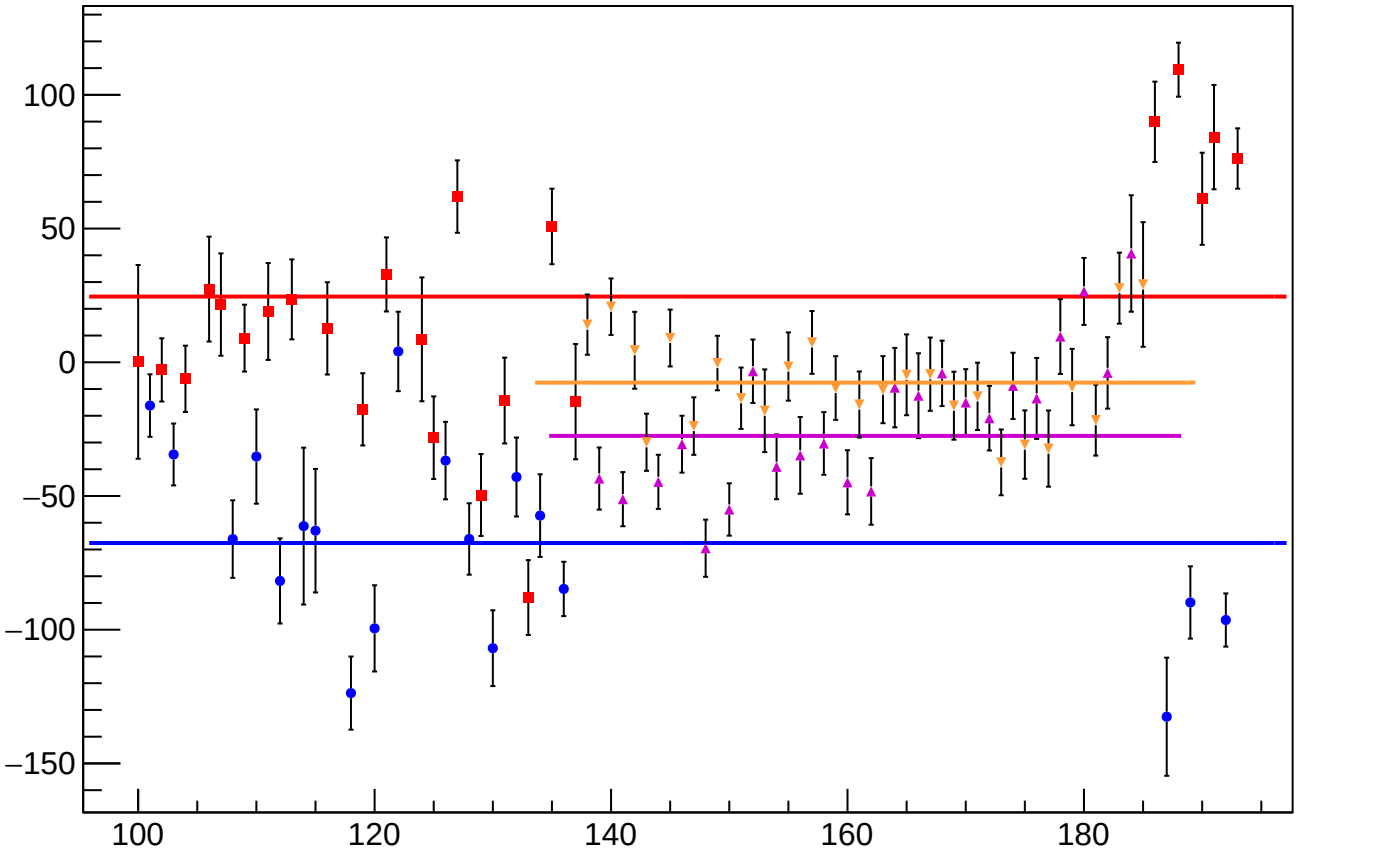
Right Out: 1540.729+/-0.345 χ^2/NDF: 465446.2/23

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

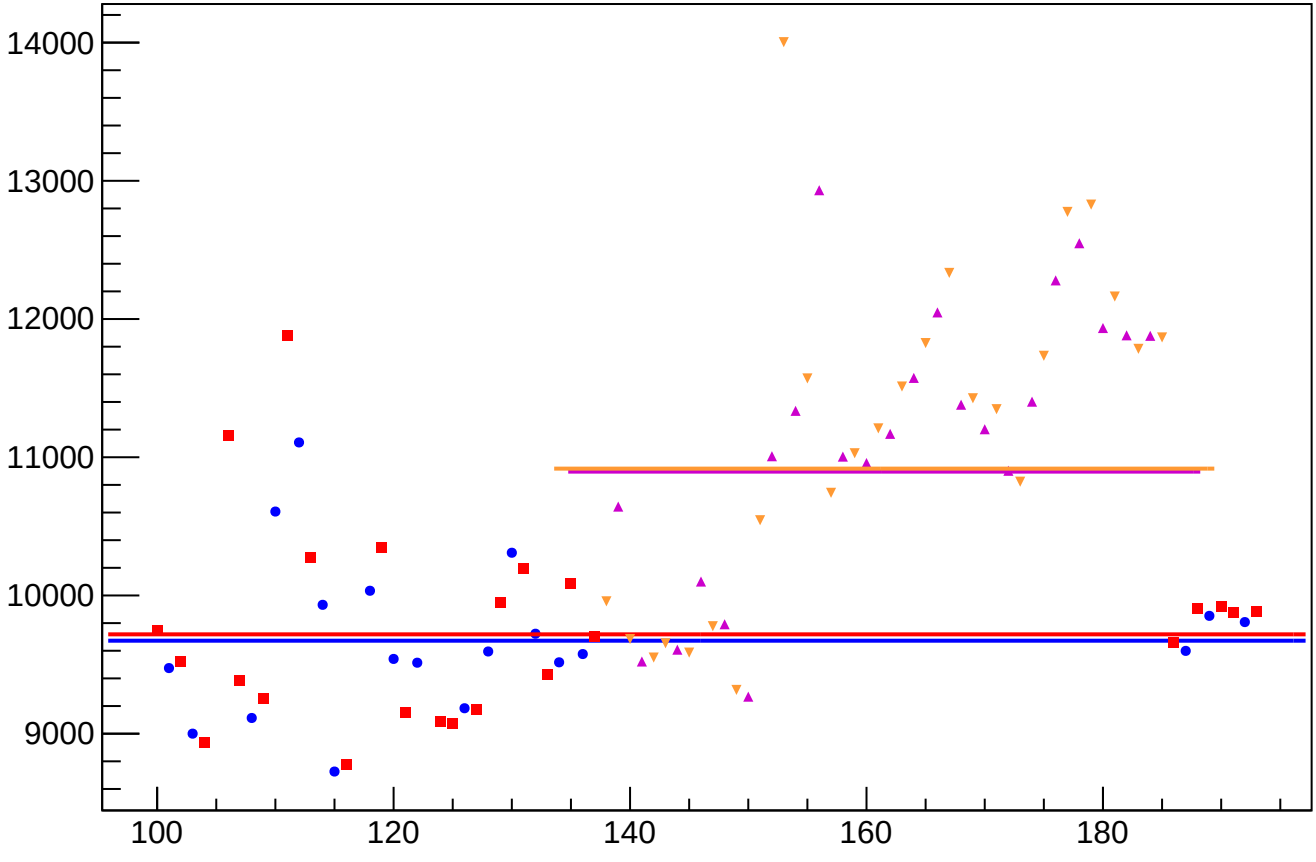
+ sign 1764.055+/-0.242 χ^2/NDF: 3325923.4/43

All: 1773.245+/-0.171 χ^2/NDF: 6384449.6/90

- sign 1782.487+/-0.243 χ^2/NDF: 3055638.1/46


diff_bpm0l02X_mean vs Slug
100
50
0
−50
−100
−150
100
120
140
160
180
Right In: -67.572+/-3.246 χ²/NDF: 113.9/18
Left Out: -7.594+/-2.495 χ²/NDF:47.9/24
Right Out: 24.569+/-3.046 χ²/NDF: 269.1/23
Left In: -27.528+/-2.556 χ²/NDF:93.0/22
+ sign -29.873+/-1.978 χ²/NDF: 376.5/43
All: -17.817+/-1.392 χ²/NDF: 983.8/90
- sign -6.000+/-1.958 χ²/NDF: 533.7/46

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: 9718.742+/-2.154 χ^2/NDF: 81820.6/23

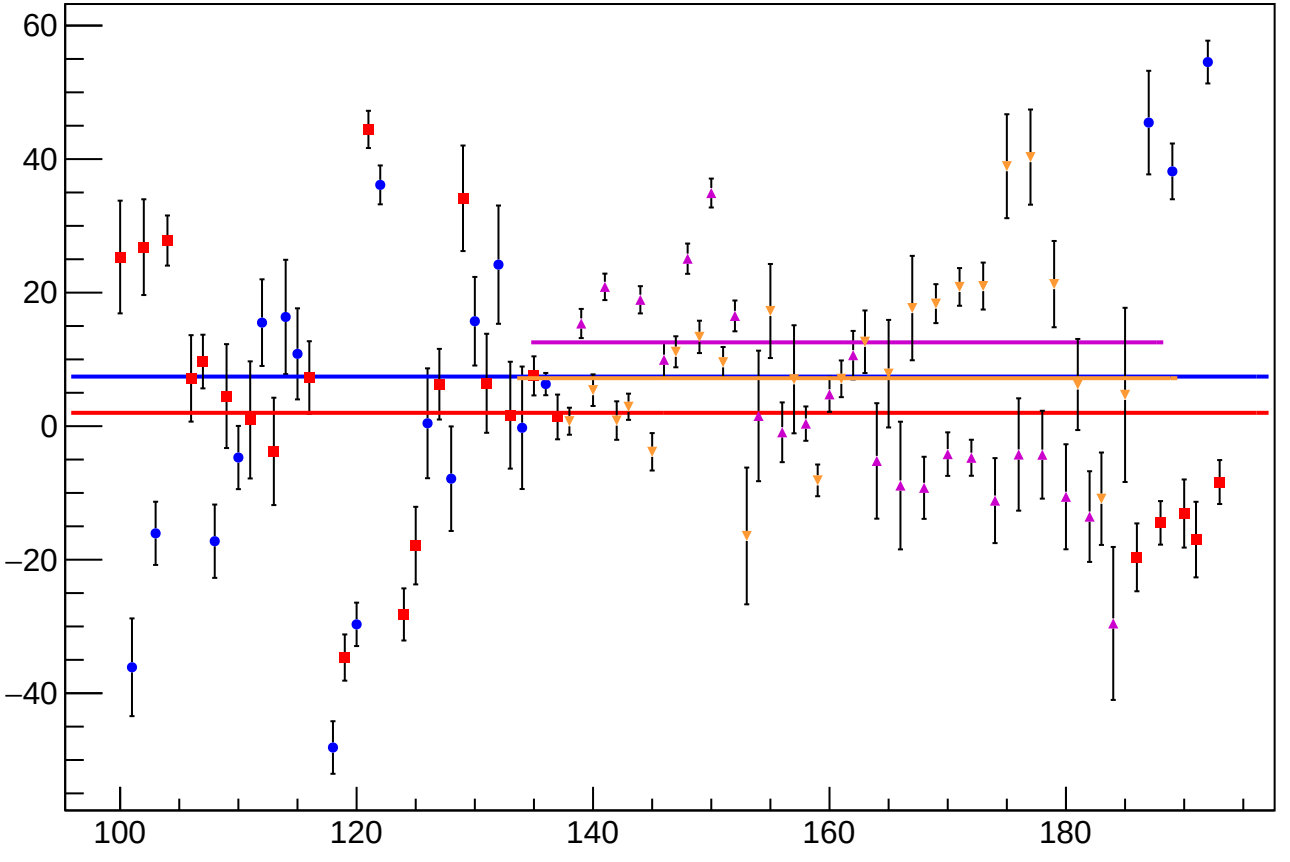
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10455.259+/-1.399 χ^2/NDF: 655777.3/43

All: 10432.163+/-0.984 χ^2/NDF: 1211451.0/9

- sign 10409.526+/-1.385 χ^2/NDF: 555133.8/46

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: 1.999+/-0.928 χ^2/NDF: 582.8/23

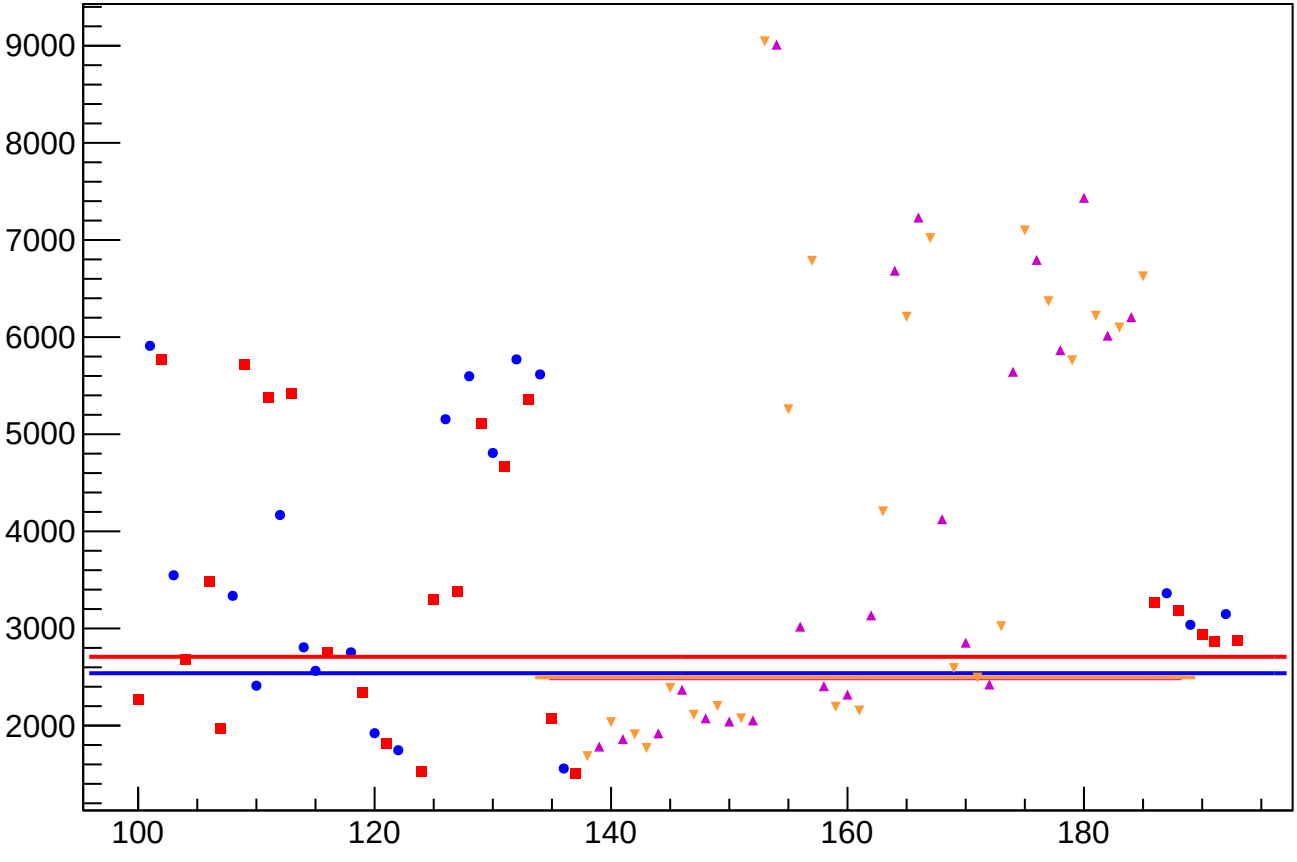
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 7.262+/-0.540 χ^2/NDF: 1023.3/43

All: 8.135+/-0.381 χ^2/NDF: 2069.3/90

- sign 9.002+/-0.538 χ^2/NDF: 1040.8/46

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: 2708.375+/-0.656 χ^2/NDF: 2613764.4/23

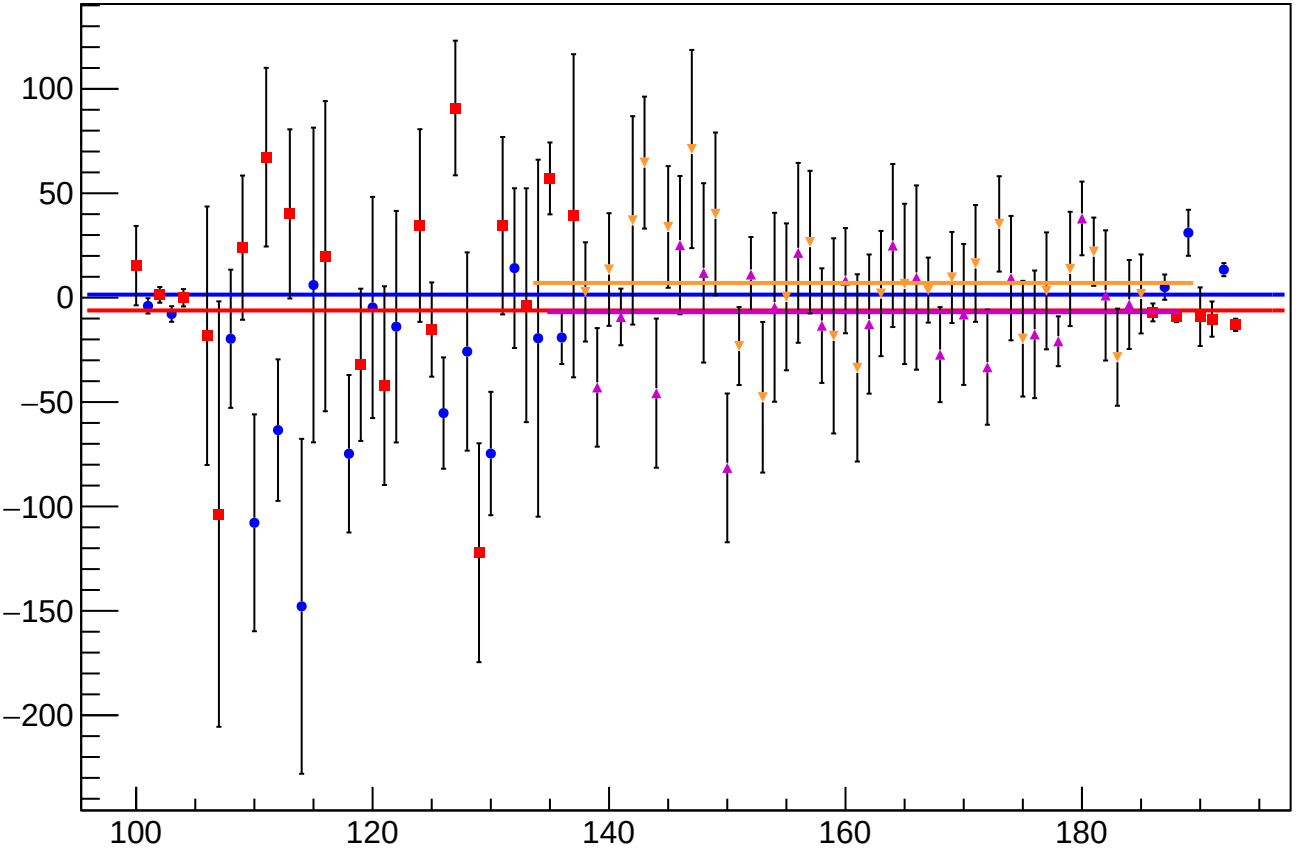
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2510.215+/-0.382 χ^2/NDF: 10169680.3/43

All: 2536.192+/-0.270 χ^2/NDF: 18971222.1/9

- sign 2561.965+/-0.380 χ^2/NDF: 8792327.5/46

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

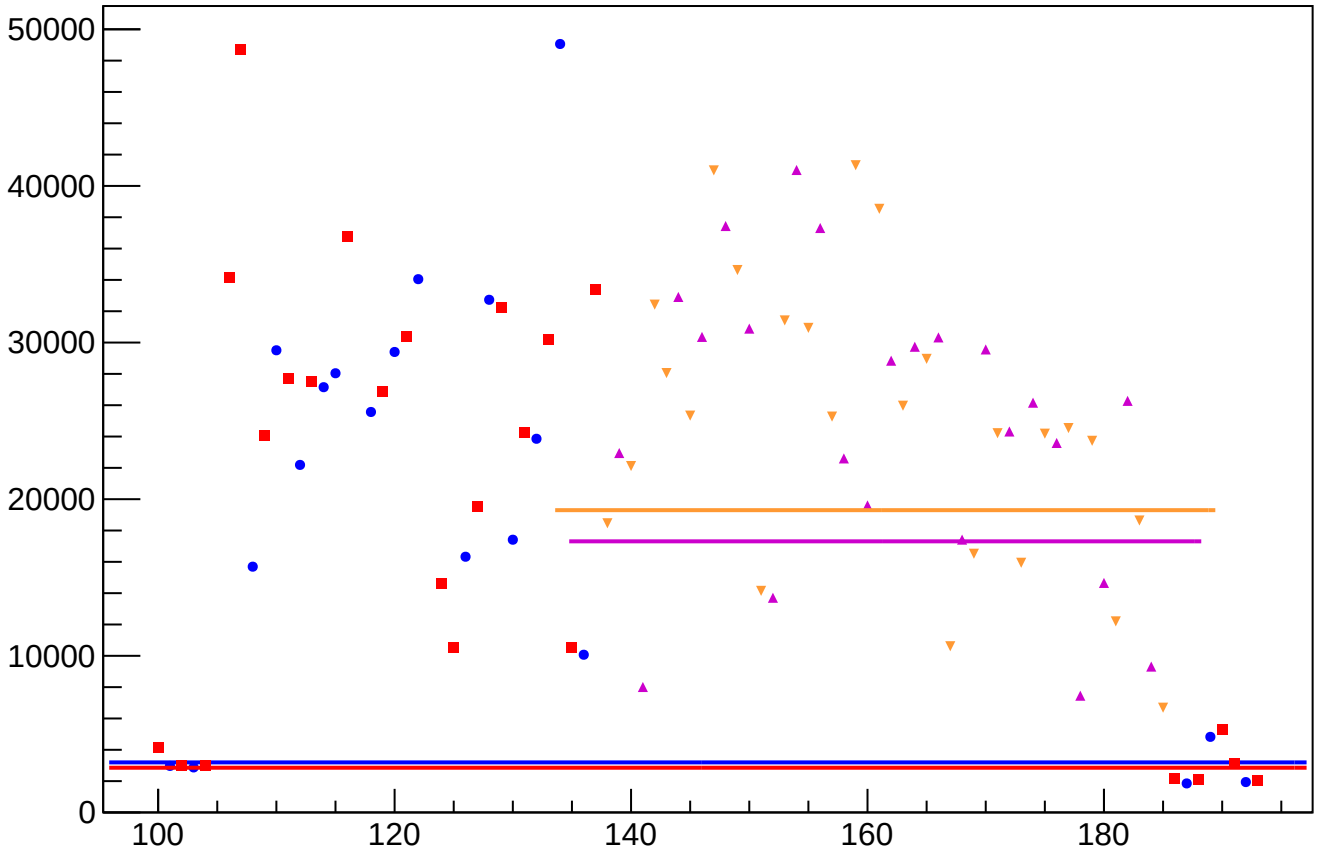
Right Out: -6.119+/-1.472 χ^2/NDF: 51.1/23

Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 2.073+/-1.728 χ^2/NDF: 81.6/43

All: -2.873+/-1.094 χ^2/NDF: 167.4/90

- sign -6.183+/-1.414 χ^2/NDF: 72.2/46



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: 2855.815+/-1.041 χ^2/NDF: 8689480.8/23

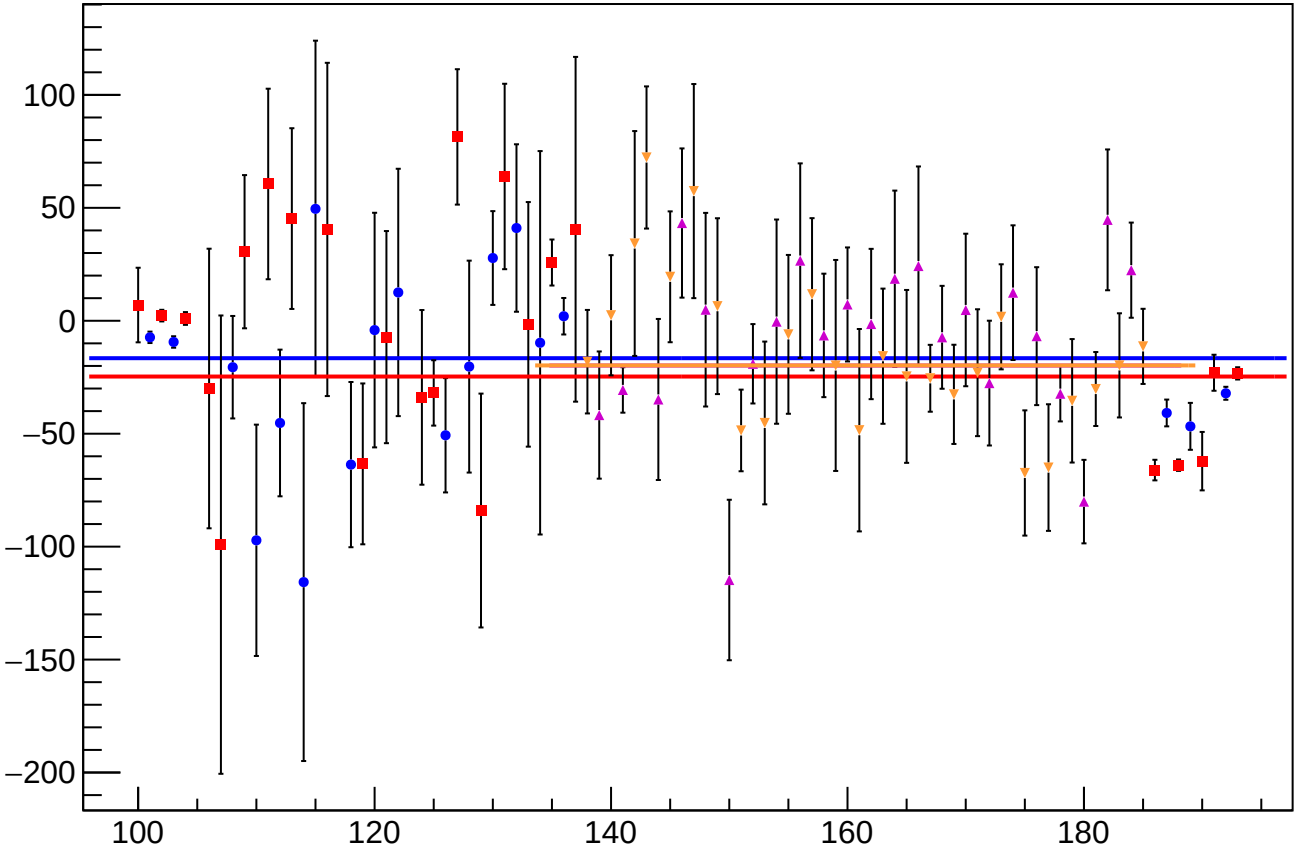
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 4956.299+/-1.222 χ^2/NDF: 29532979.3/43

All: 4366.017+/-0.774 χ^2/NDF: 60210844.6/9

- sign 3970.938+/-1.000 χ^2/NDF: 30288431.9/46

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

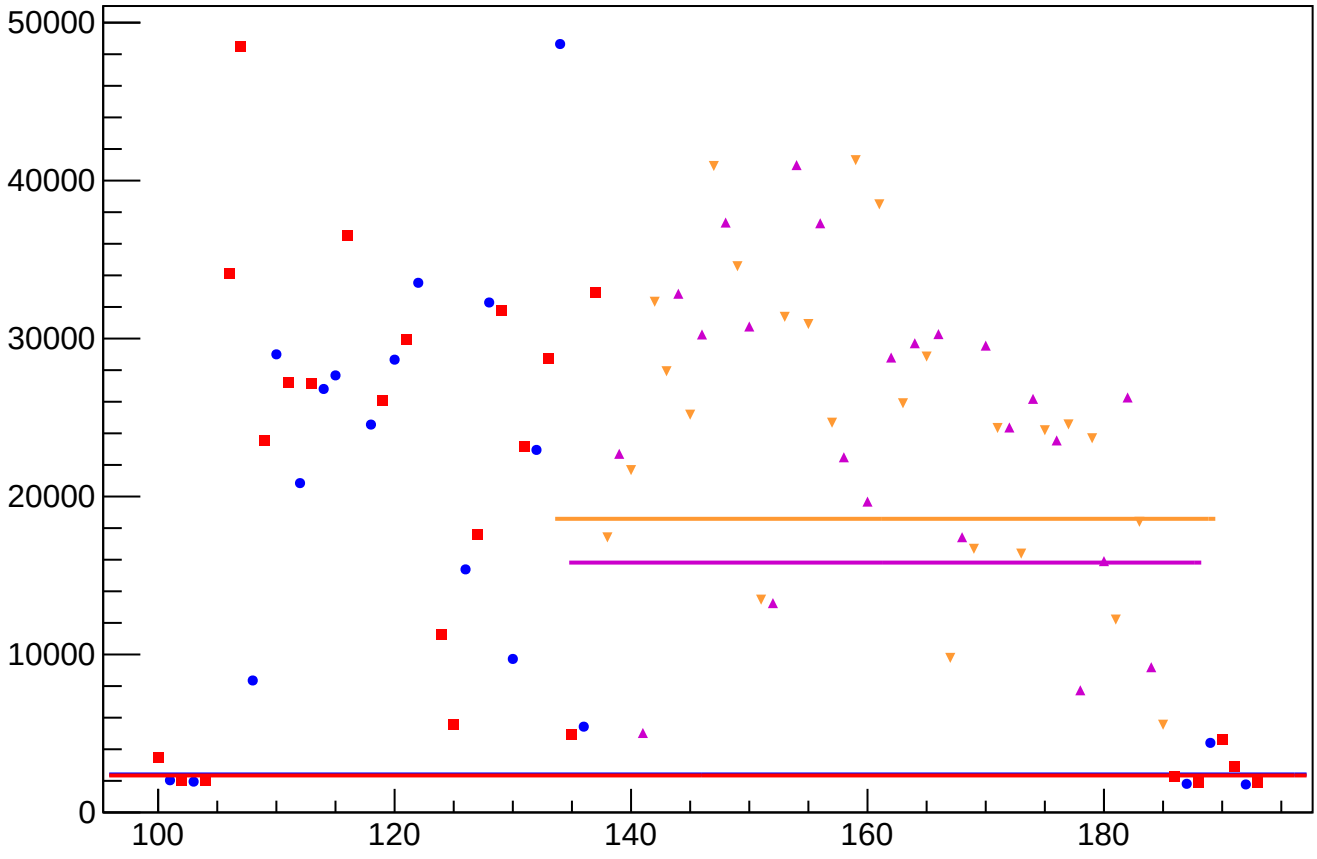
Right Out: -24.688+/-1.228 χ^2/NDF: 585.1/23

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -16.795+/-1.367 χ^2/NDF: 125.7/43

All: -21.119+/-0.898 χ^2/NDF: 769.6/90

- sign -24.395+/-1.190 χ^2/NDF: 626.3/46



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: 2342.400+/-0.868 χ^2/NDF: 8277554.2/23

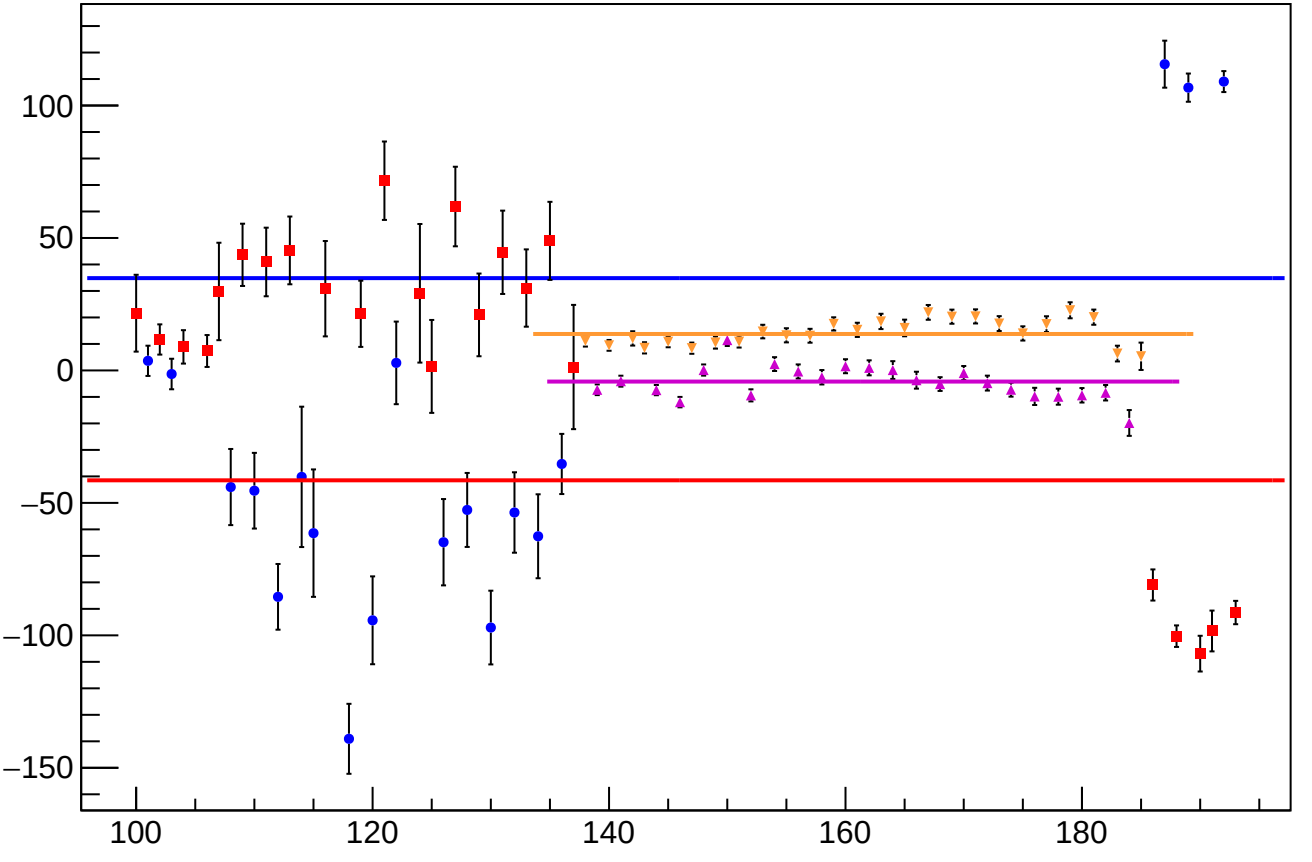
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 3561.277+/-0.967 χ^2/NDF: 31282184.0/43

All: 3330.387+/-0.635 χ^2/NDF: 62600765.8/9

- sign 3155.463+/-0.842 χ^2/NDF: 31218367.7/46

diff_bpm0l04X_mean vs Slug



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: -41.480+/-1.733 χ^2/NDF: 1193.2/23

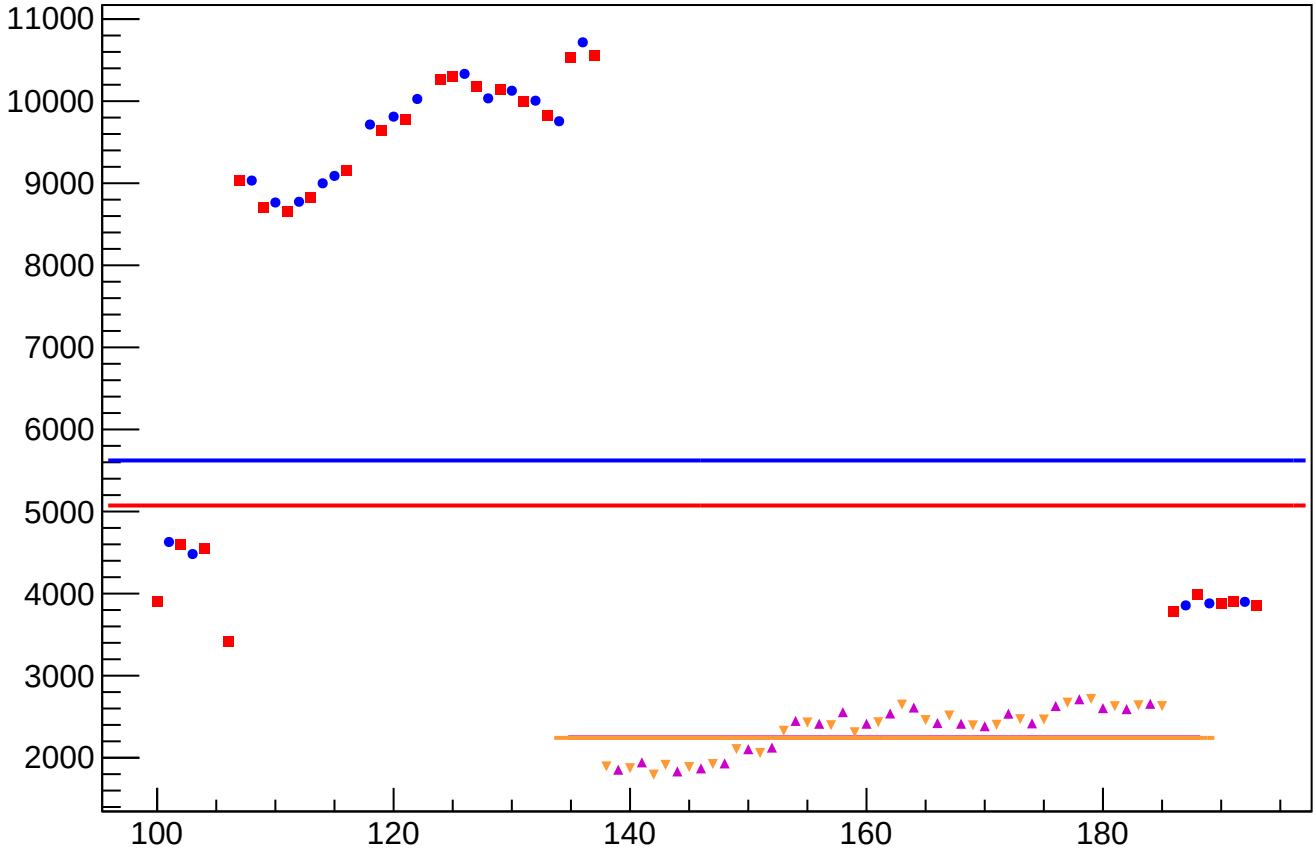
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 14.997+/-0.499 χ^2/NDF: 1556.3/43

All: 3.985+/-0.356 χ^2/NDF: 4287.4/90

- sign -7.390+/-0.507 χ^2/NDF: 1740.0/46

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: 5073.400+/-1.226 χ^2/NDF: 3364939.2/23

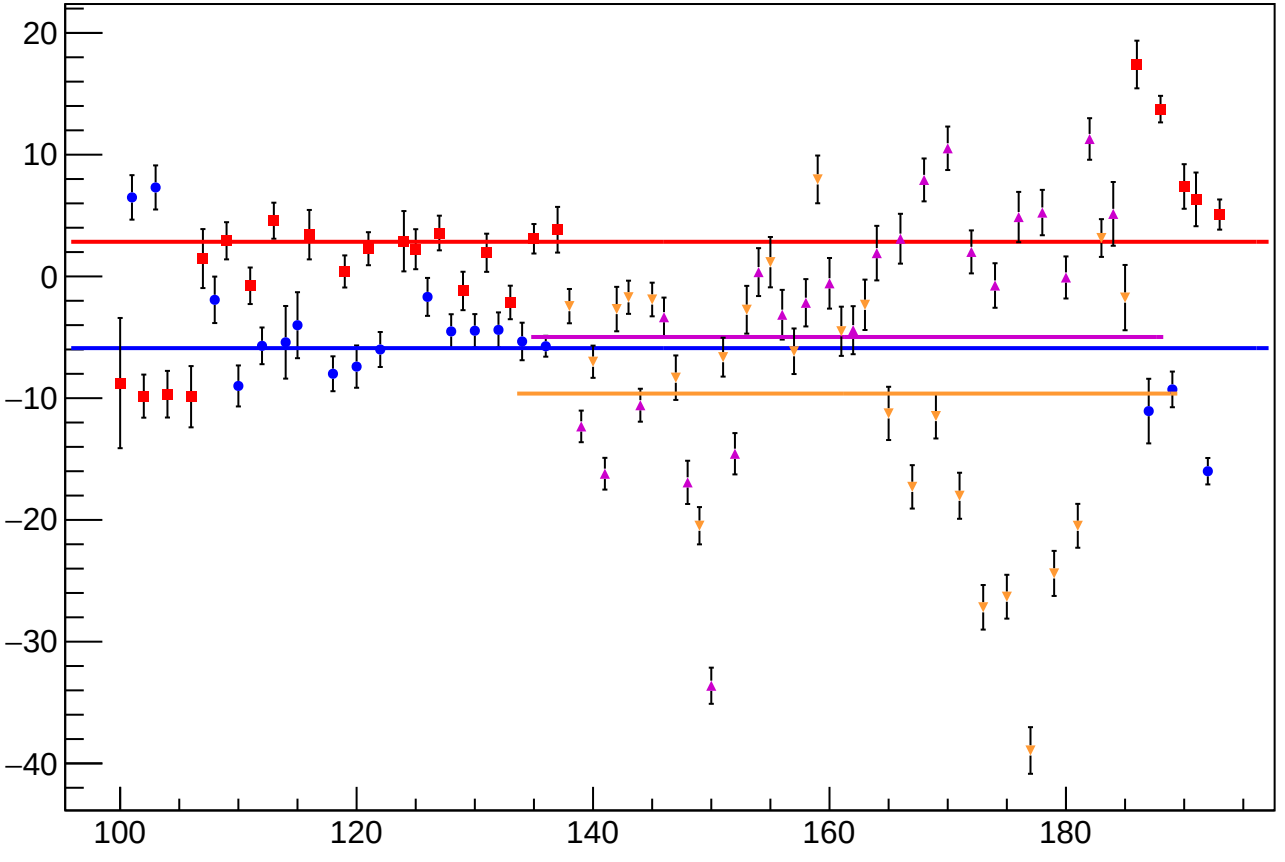
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2440.414+/-0.353 χ^2/NDF: 8710574.3/43

All: 2464.870+/-0.251 χ^2/NDF: 17584618.4/9

- sign 2490.136+/-0.358 χ^2/NDF: 8864265.7/46

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: 2.845+/-0.329 χ^2/NDF: 323.2/23

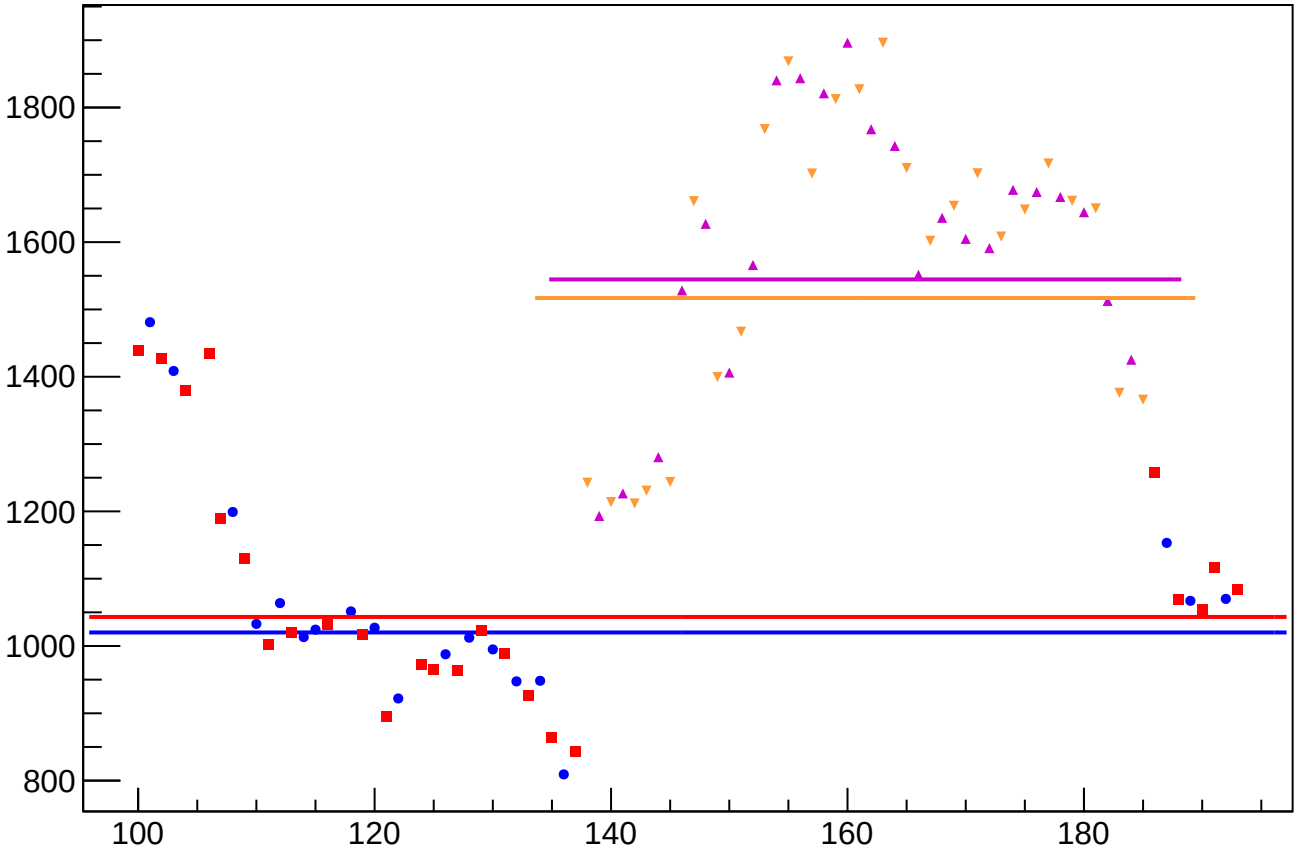
Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.735+/-0.245 χ^2/NDF: 1208.7/43

All: -4.183+/-0.173 χ^2/NDF: 3131.8/90

- sign -0.666+/-0.244 χ^2/NDF: 1506.4/46

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: 1043.160+/-0.233 χ^2/NDF: 380086.7/23

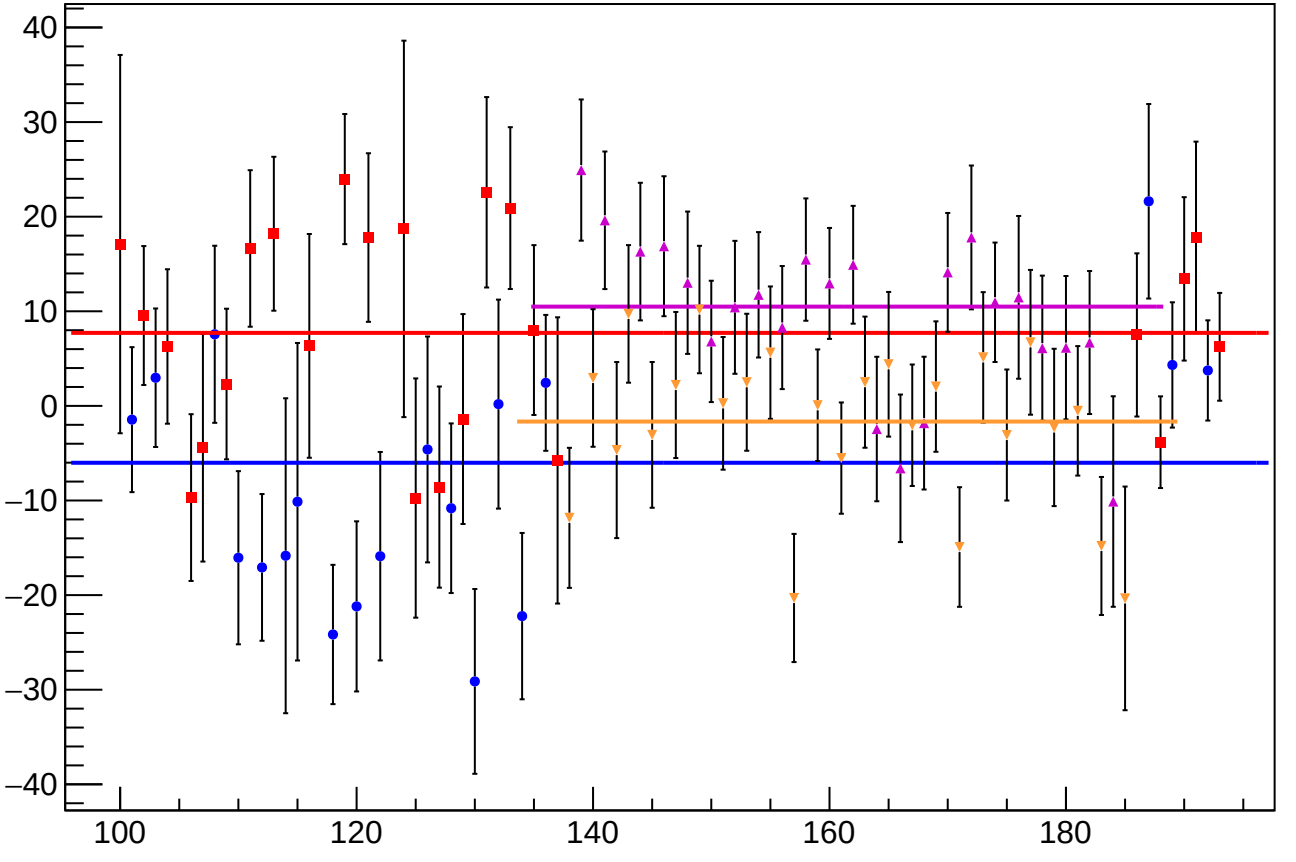
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1265.777+/-0.174 χ^2/NDF: 3273783.8/43

All: 1267.046+/-0.122 χ^2/NDF: 6377165.8/90

- sign 1268.302+/-0.173 χ^2/NDF: 3103275.7/46

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

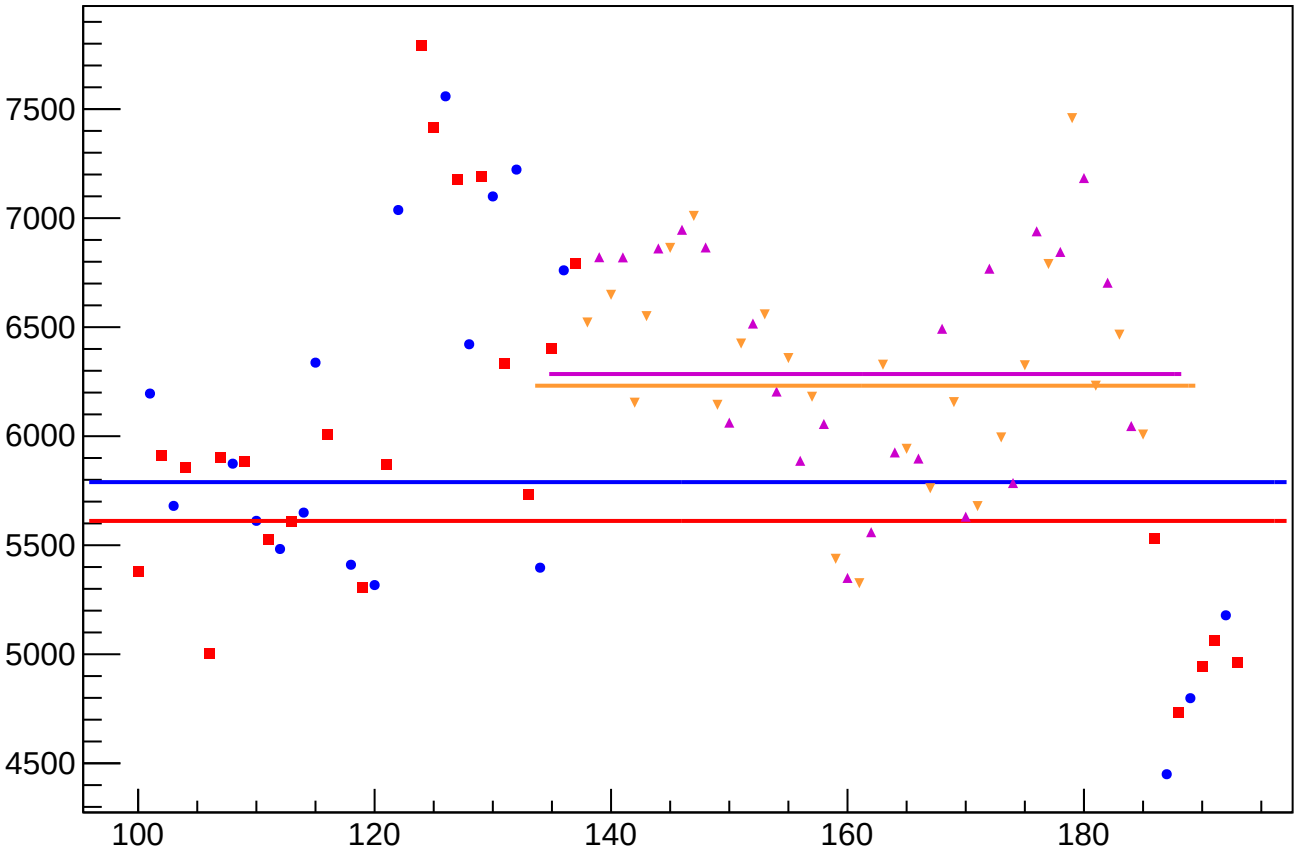
Right Out: 7.718+/-1.772 χ^2/NDF: 33.2/23

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -3.163+/-1.153 χ^2/NDF: 76.1/43

All: 3.190+/-0.809 χ^2/NDF: 195.4/90

- sign 9.353+/-1.136 χ^2/NDF: 59.6/46



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: 5611.403+/-1.253 χ^2/NDF: 323094.3/23

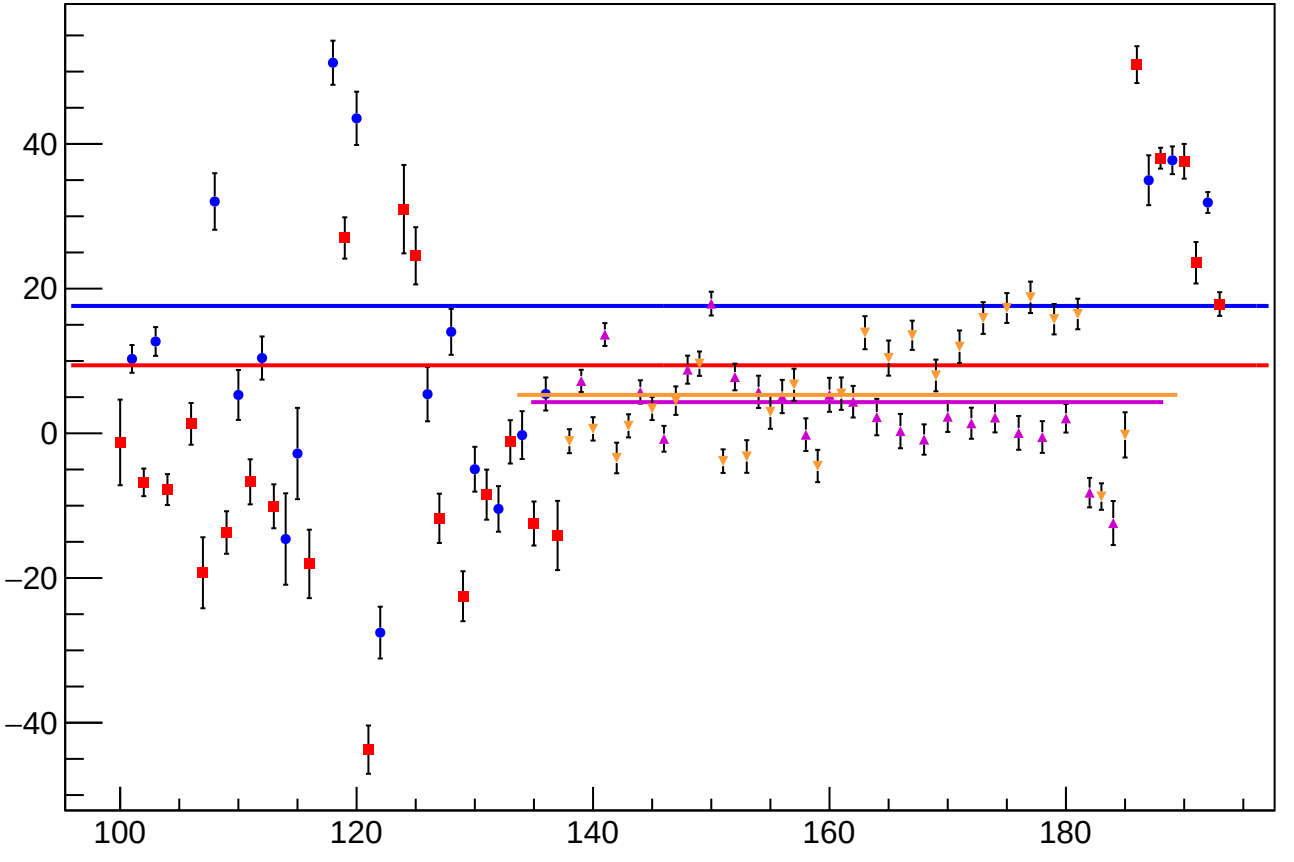
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 6078.515+/-0.816 χ^2/NDF: 611720.0/43

All: 6042.890+/-0.572 χ^2/NDF: 1374218.2/90

- sign 6008.336+/-0.803 χ^2/NDF: 758738.9/46

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

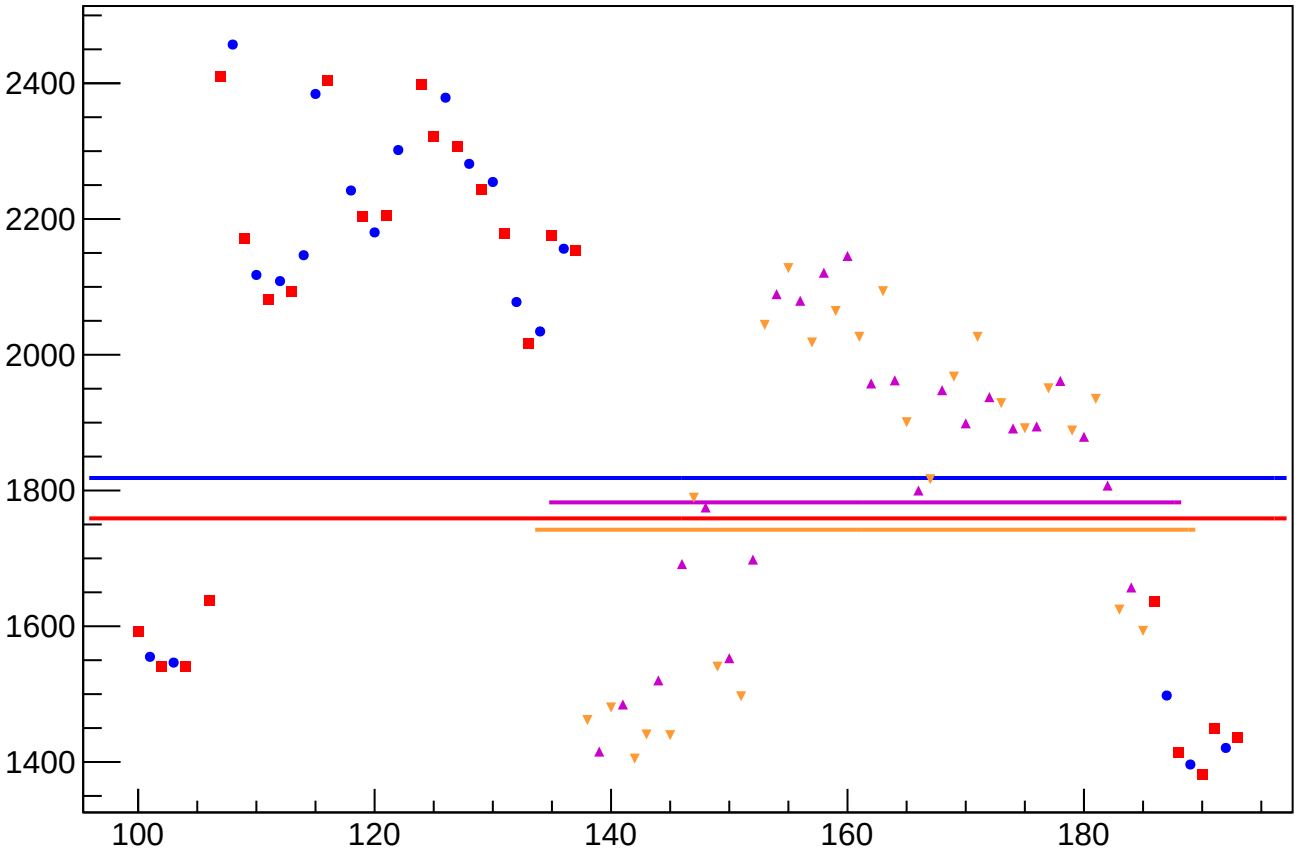
Right Out: 9.402+/-0.561 χ^2/NDF: 1752.4/23

Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

+ sign 8.921+/-0.337 χ^2/NDF: 1510.2/43

All: 7.529+/-0.238 χ^2/NDF: 3569.9/90

- sign 6.139+/-0.336 χ^2/NDF: 2025.5/46



Right In: 1818.443+/-0.439 χ^2/NDF: 737299.9/18

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

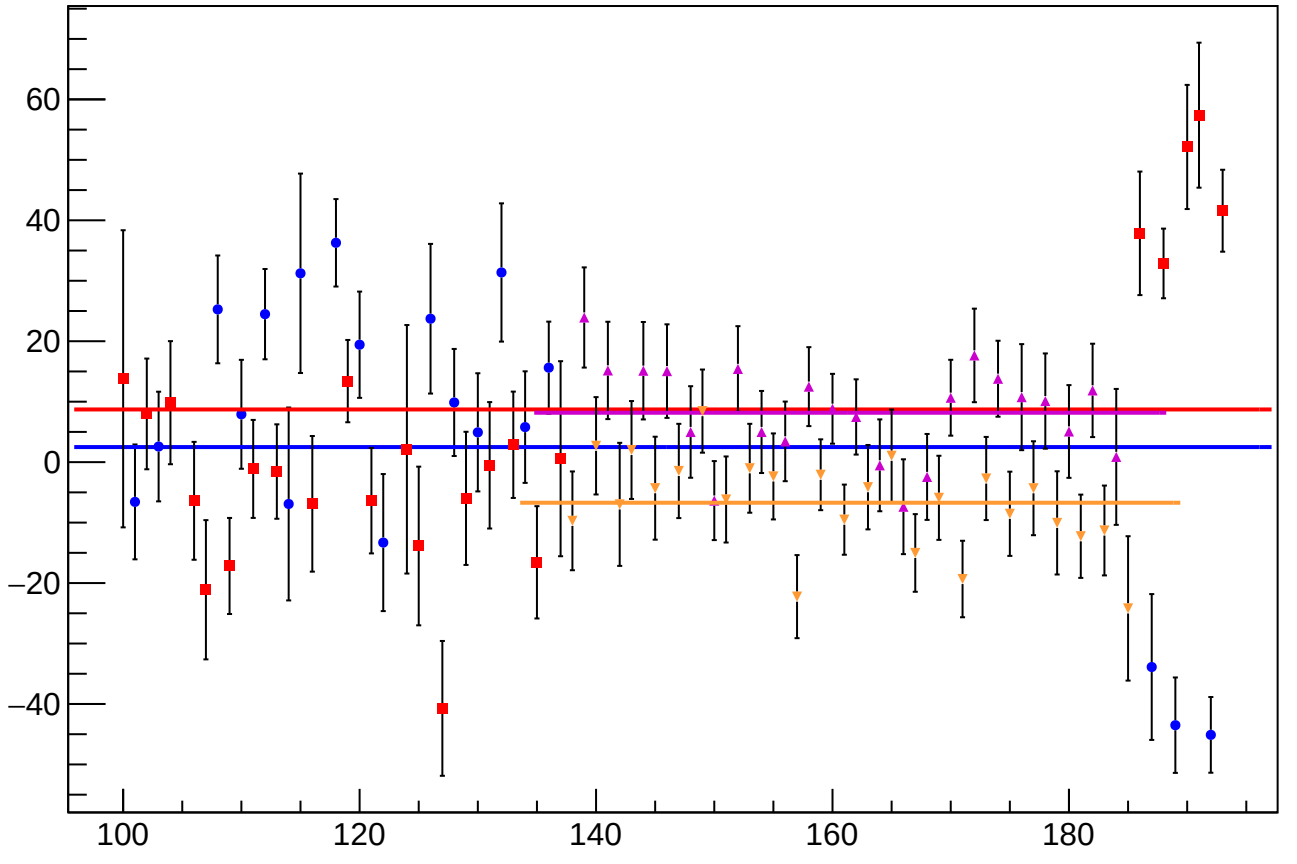
Right Out: 1758.914+/-0.397 χ^2/NDF: 812769.4/23

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1764.590+/-0.238 χ^2/NDF: 1526243.2/43

All: 1769.312+/-0.168 χ^2/NDF: 2876440.3/90

- sign 1774.028+/-0.238 χ^2/NDF: 1349409.9/46



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: 8.715+/-1.920 χ^2/NDF: 145.4/23

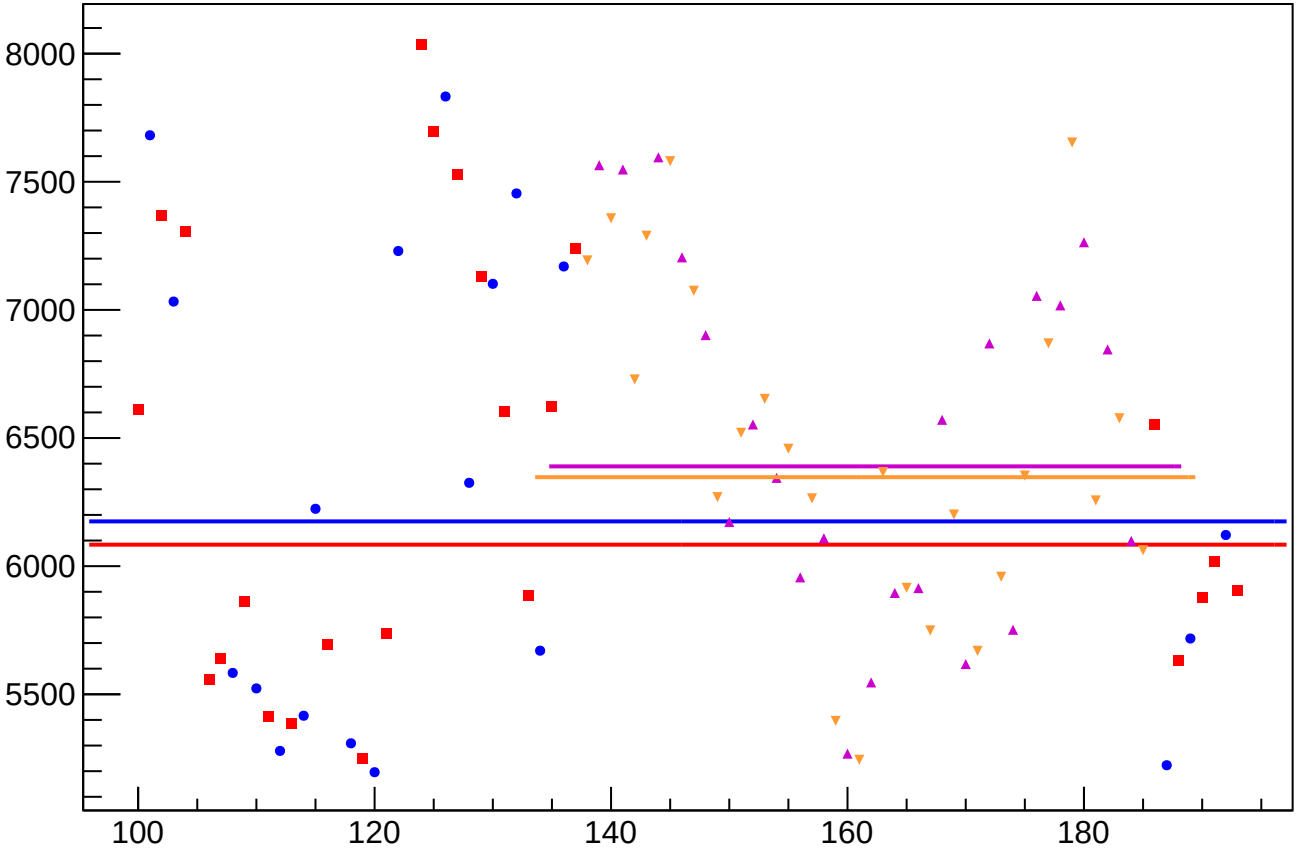
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -3.705+/-1.196 χ^2/NDF: 200.1/43

All: 2.384+/-0.842 χ^2/NDF: 421.1/90

- sign 8.379+/-1.187 χ^2/NDF: 169.6/46

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: 6083.911+/-1.357 χ^2/NDF: 286398.8/23

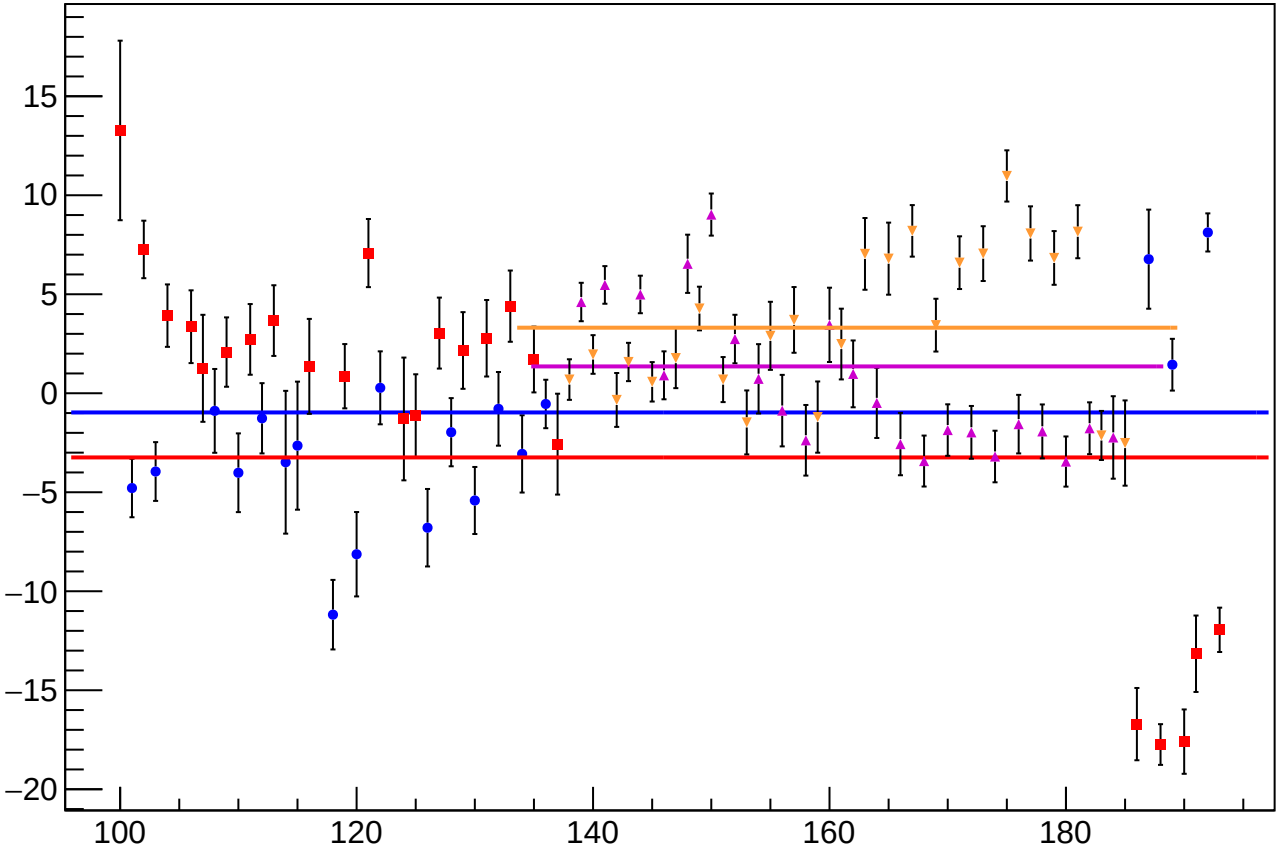
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6290.908+/-0.846 χ^2/NDF: 725671.9/43

All: 6281.707+/-0.596 χ^2/NDF: 1463357.4/90

- sign 6272.650+/-0.839 χ^2/NDF: 737450.7/46

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: -3.242+/-0.356 χ^2/NDF: 659.5/23

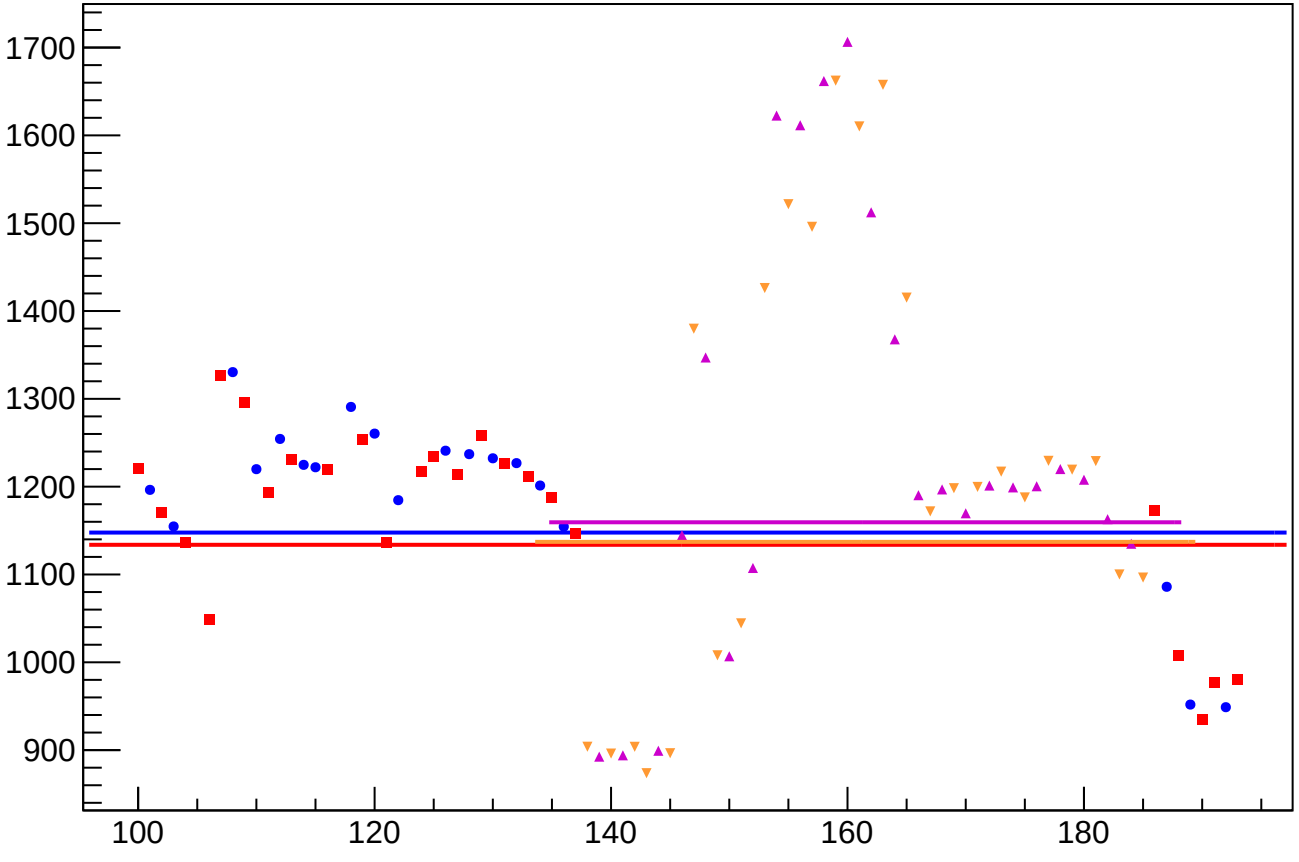
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.944+/-0.218 χ^2/NDF: 440.5/43

All: 0.785+/-0.154 χ^2/NDF: 1456.8/90

- sign -0.376+/-0.218 χ^2/NDF: 959.8/46

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: 1133.791+/-0.252 χ^2/NDF: 195498.3/23

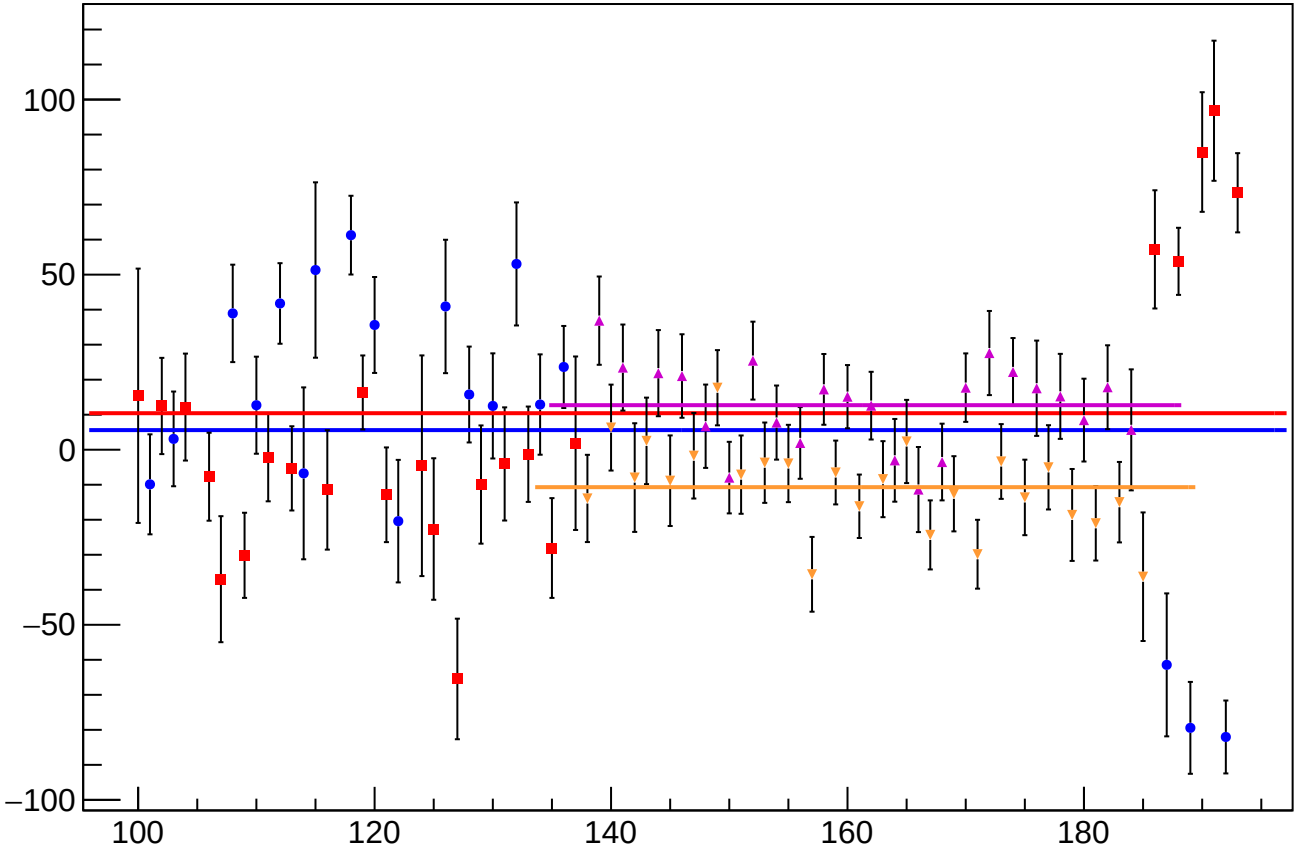
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1140.527+/-0.154 χ^2/NDF: 1670811.2/43

All: 1145.145+/-0.109 χ^2/NDF: 3134367.6/90

- sign 1149.774+/-0.154 χ^2/NDF: 1461762.3/46

diff_bpm0l07X_mean vs Slug



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: 10.428+/-2.988 χ^2/NDF: 157.5/23

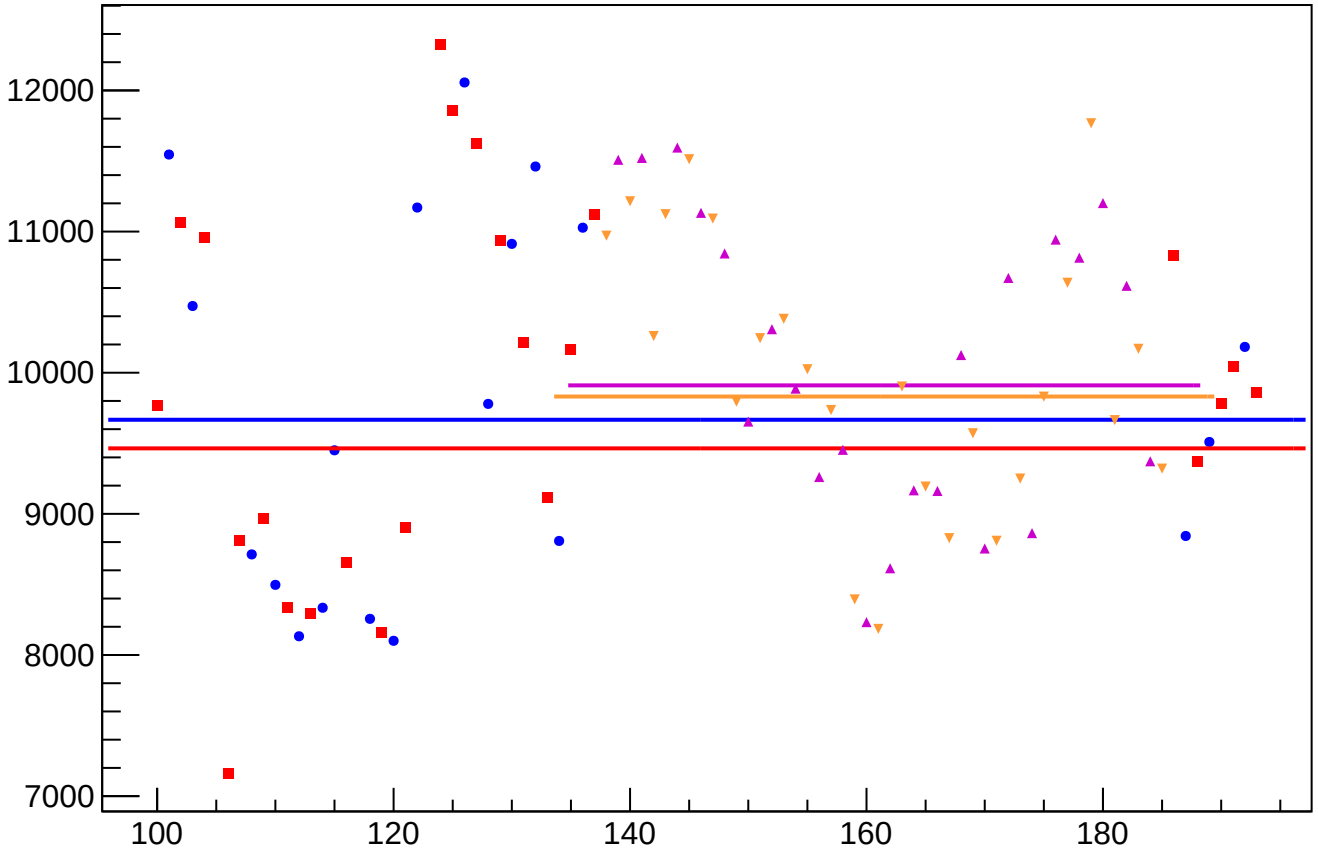
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

\+ sign -5.442+/-1.858 χ^2/NDF: 235.5/43

All: 3.274+/-1.308 χ^2/NDF: 461.1/90

\- sign 11.848+/-1.843 χ^2/NDF: 181.9/46

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: 9463.997+/-2.113 χ^2/NDF: 321896.3/23

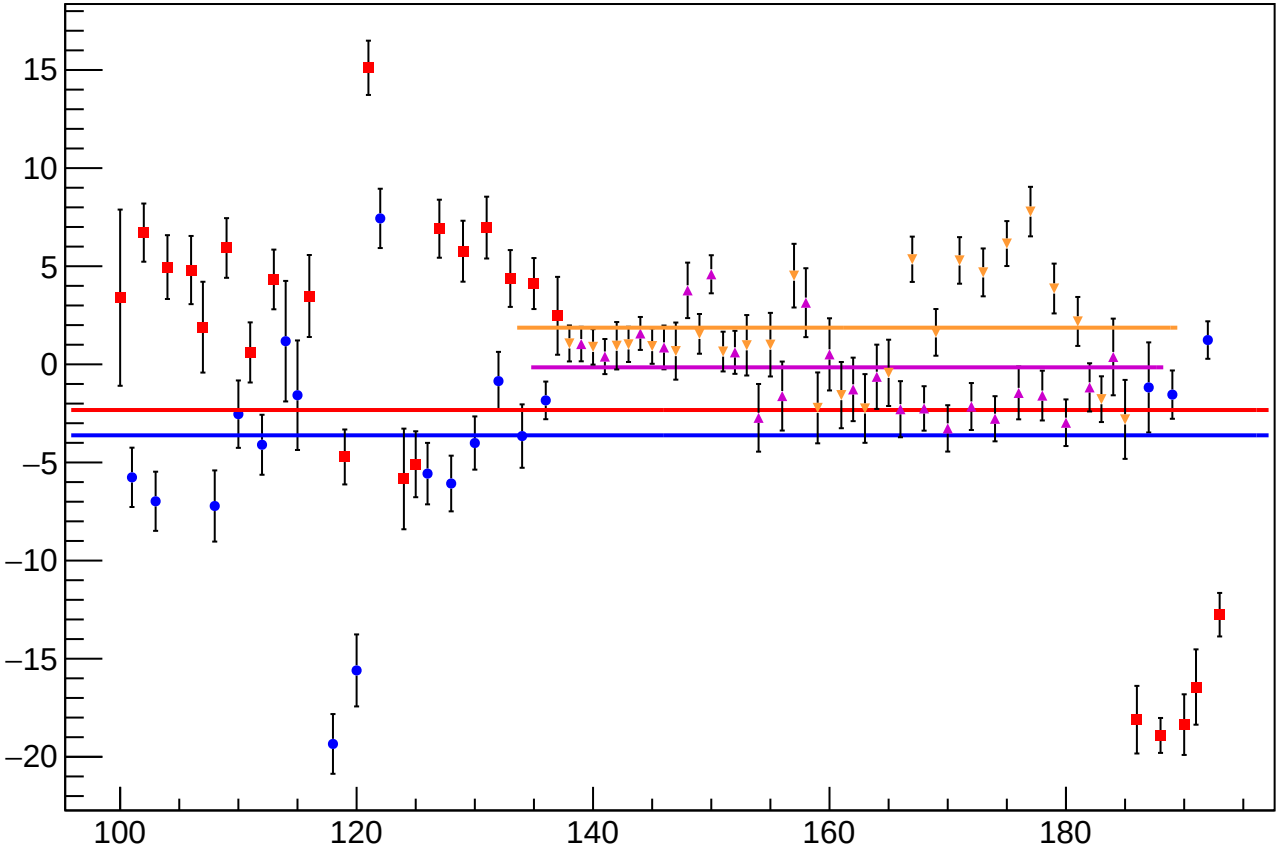
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9778.231+/-1.314 χ^2/NDF: 647761.9/43

All: 9759.252+/-0.925 χ^2/NDF: 1387086.2/90

- sign 9740.583+/-1.303 χ^2/NDF: 738910.3/46

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: -2.327+/-0.314 χ^2/NDF: 1139.6/23

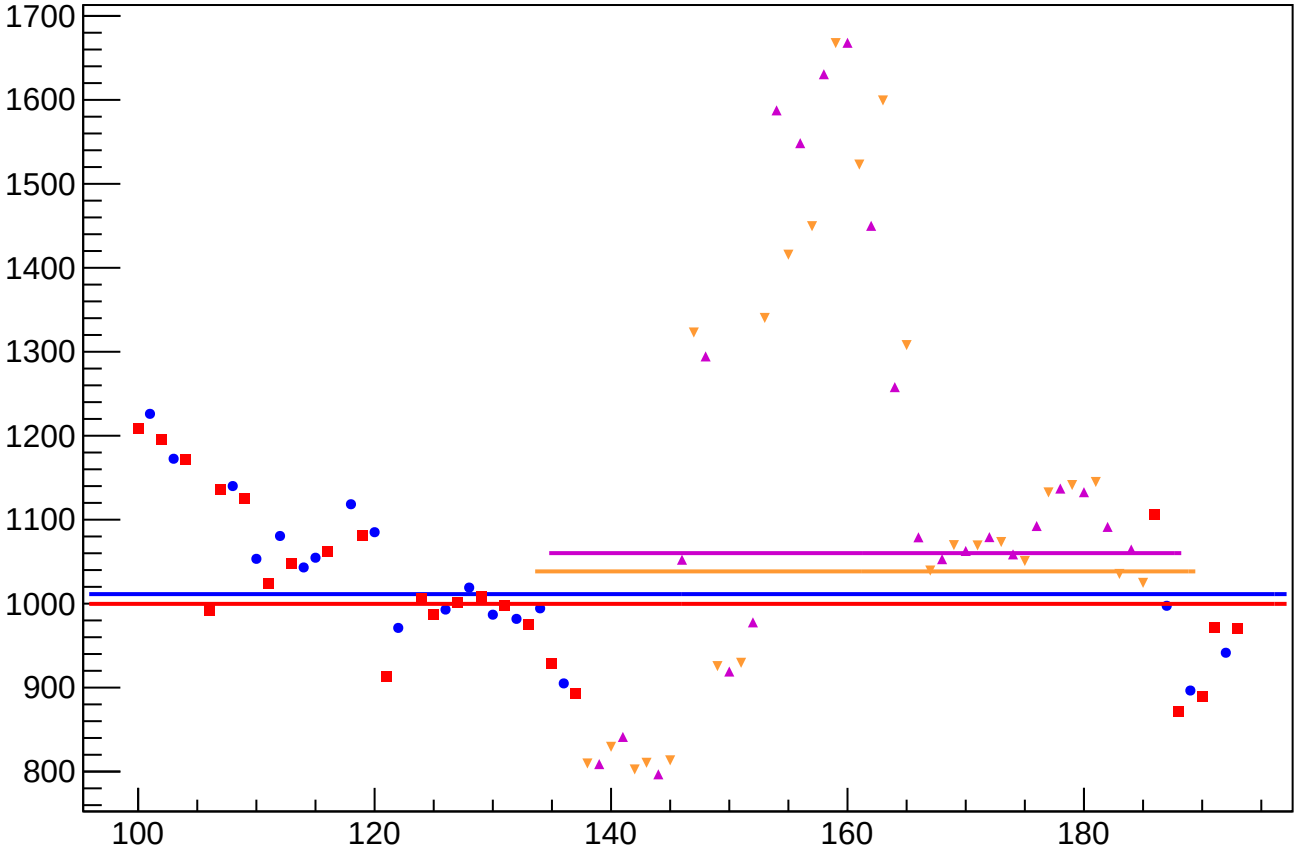
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.016+/-0.197 χ^2/NDF: 534.4/43

All: -0.499+/-0.140 χ^2/NDF: 1792.3/90

- sign -1.015+/-0.198 χ^2/NDF: 1244.3/46

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: 999.722+/-0.222 χ^2/NDF: 174452.8/23

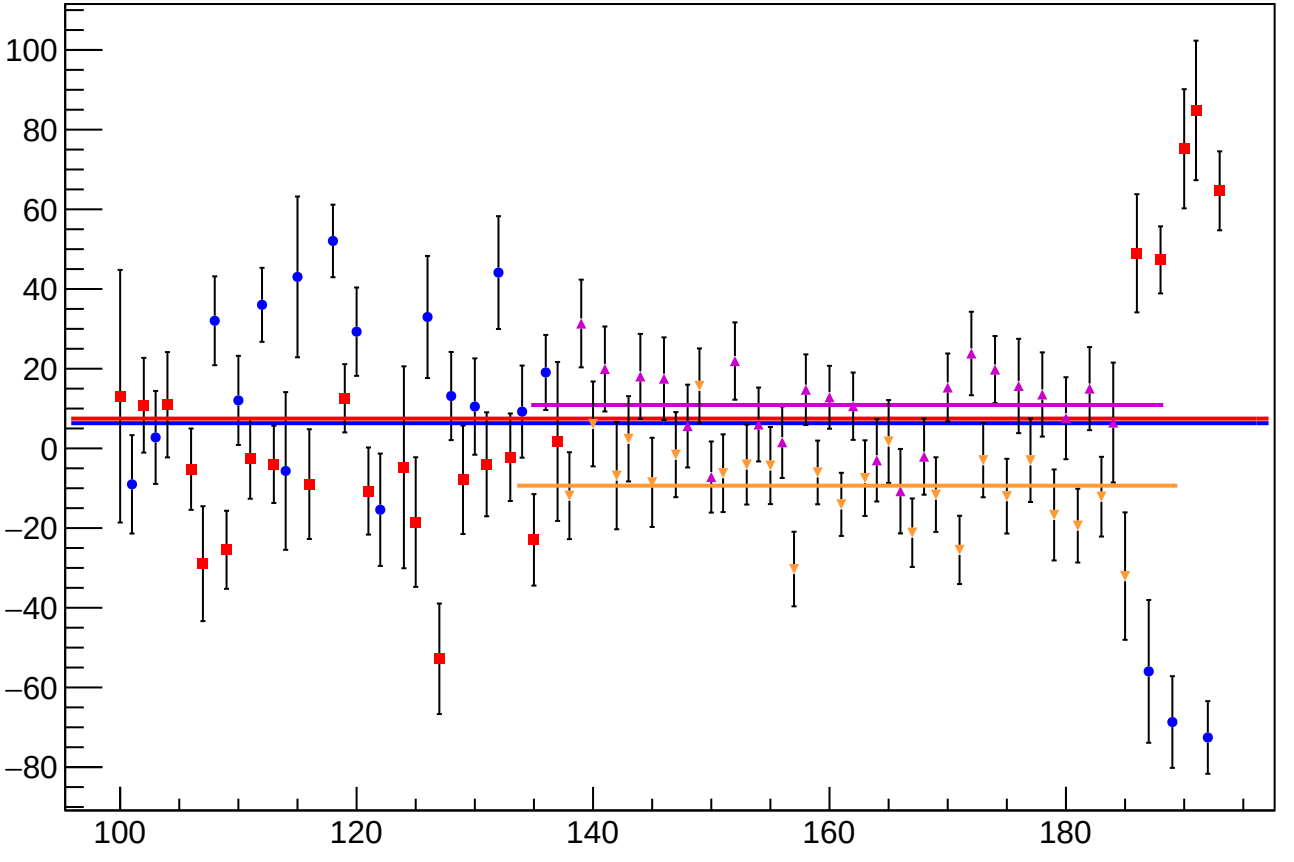
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1029.265+/-0.140 χ^2/NDF: 1863671.5/43

All: 1032.717+/-0.099 χ^2/NDF: 3607342.5/90

- sign 1036.174+/-0.140 χ^2/NDF: 1742447.8/46

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: 7.479+/-2.475 χ^2/NDF: 161.5/23

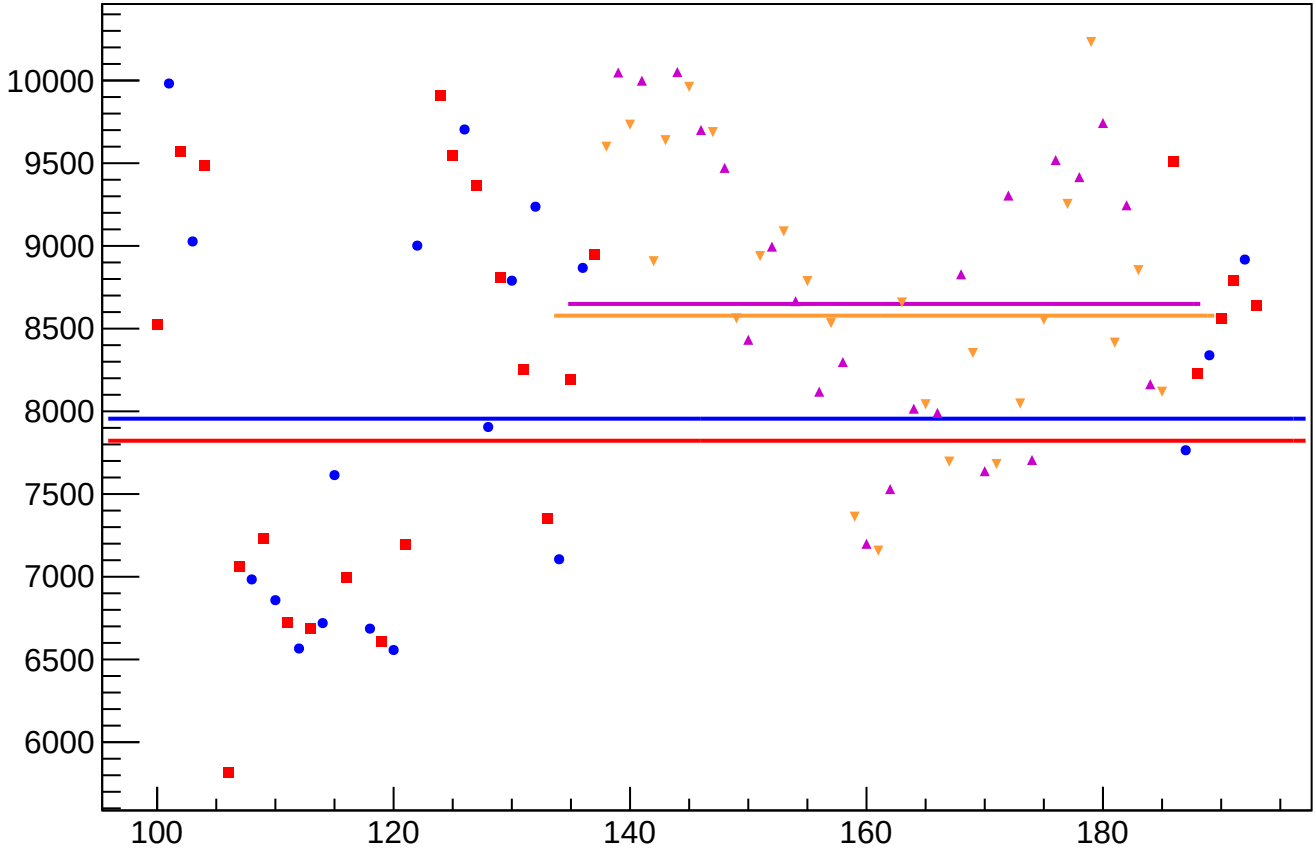
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -3.903+/-1.590 χ^2/NDF: 245.6/43

All: 2.866+/-1.119 χ^2/NDF: 467.7/90

- sign 9.509+/-1.575 χ^2/NDF: 186.2/46

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: 7822.330+/-1.750 χ^2/NDF: 412017.8/23

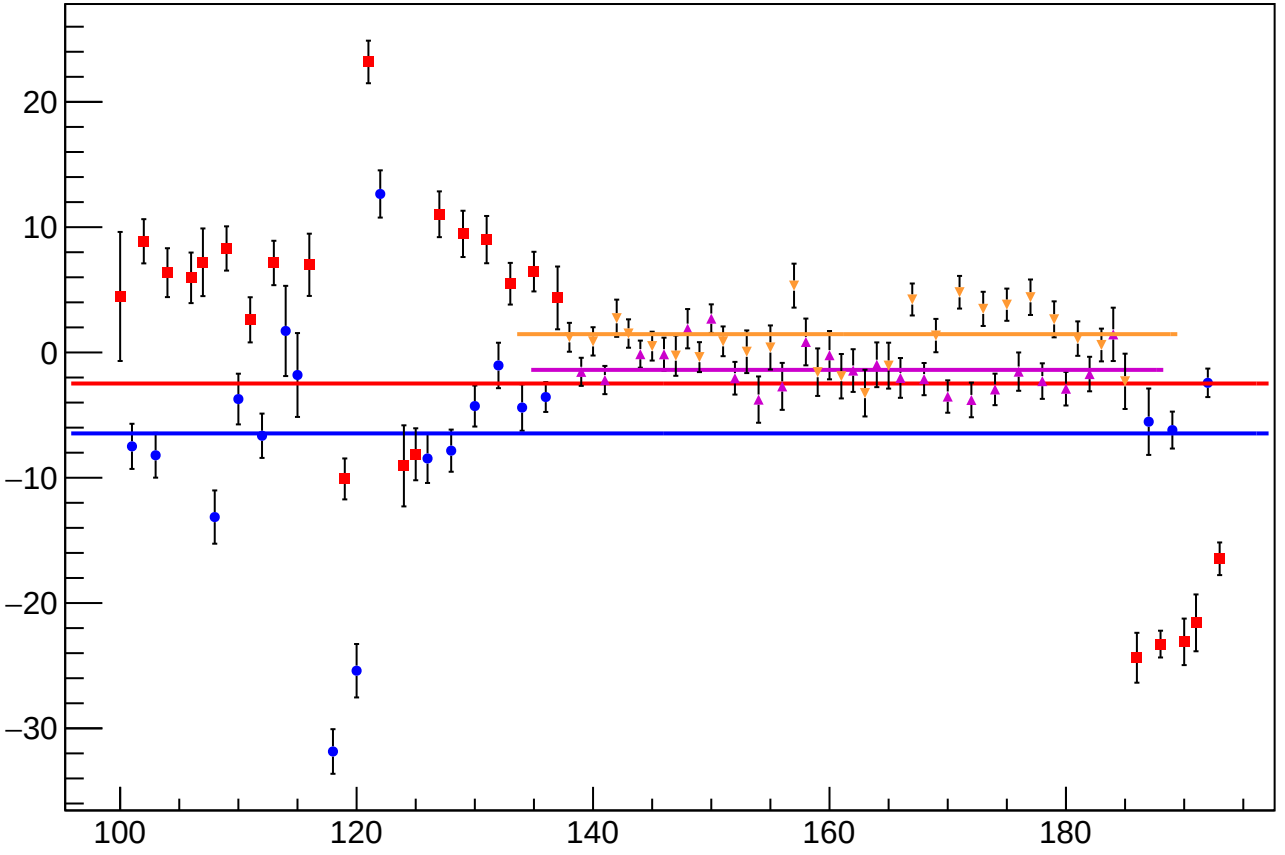
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8361.823+/-1.125 χ^2/NDF: 759461.9/43

All: 8337.826+/-0.791 χ^2/NDF: 1683097.0/90

- sign 8314.279+/-1.114 χ^2/NDF: 922732.9/46

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: -2.478+/-0.374 χ^2/NDF: 1449.7/23

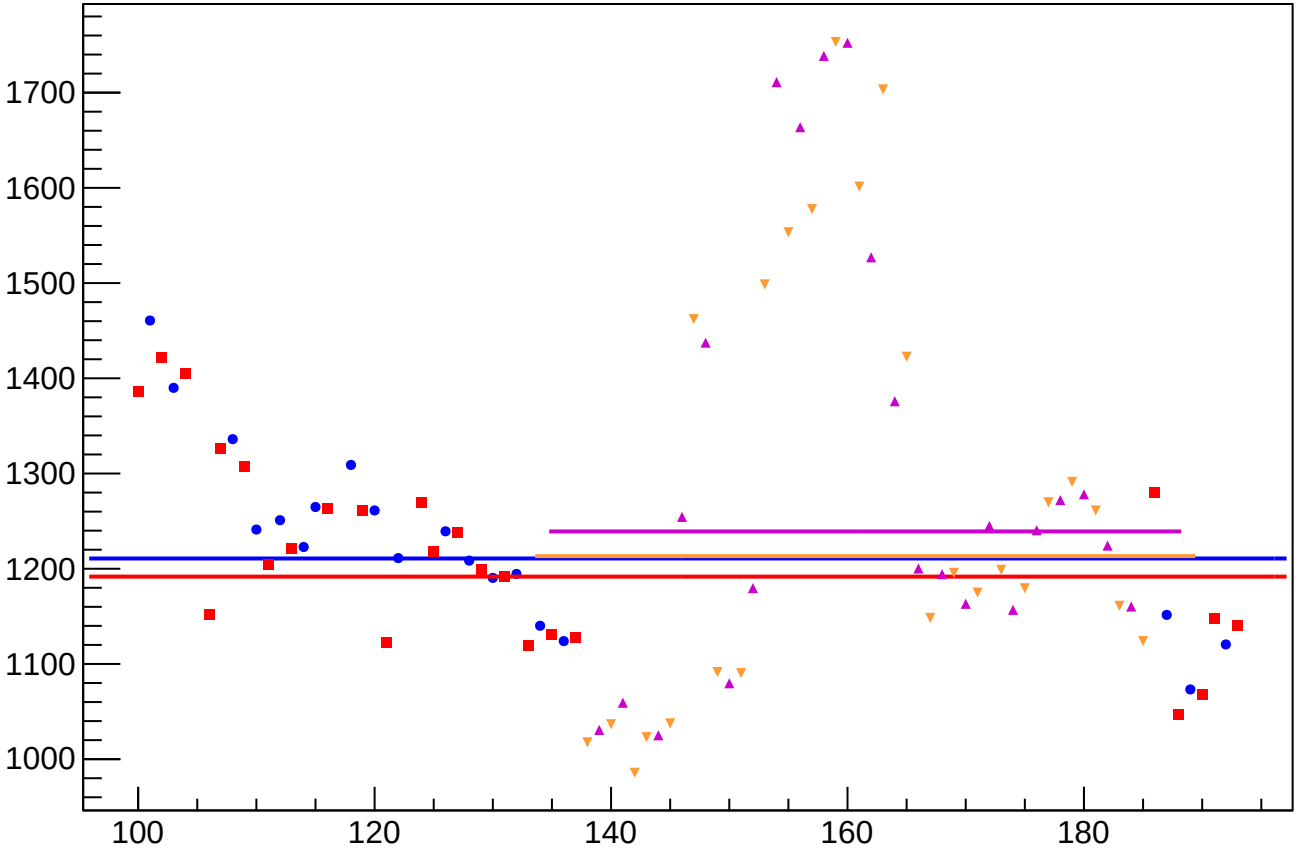
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.095+/-0.231 χ^2/NDF: 745.8/43

All: -1.450+/-0.163 χ^2/NDF: 2241.0/90

- sign -1.806+/-0.231 χ^2/NDF: 1490.4/46

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: 1191.736+/-0.264 χ^2/NDF: 148512.6/23

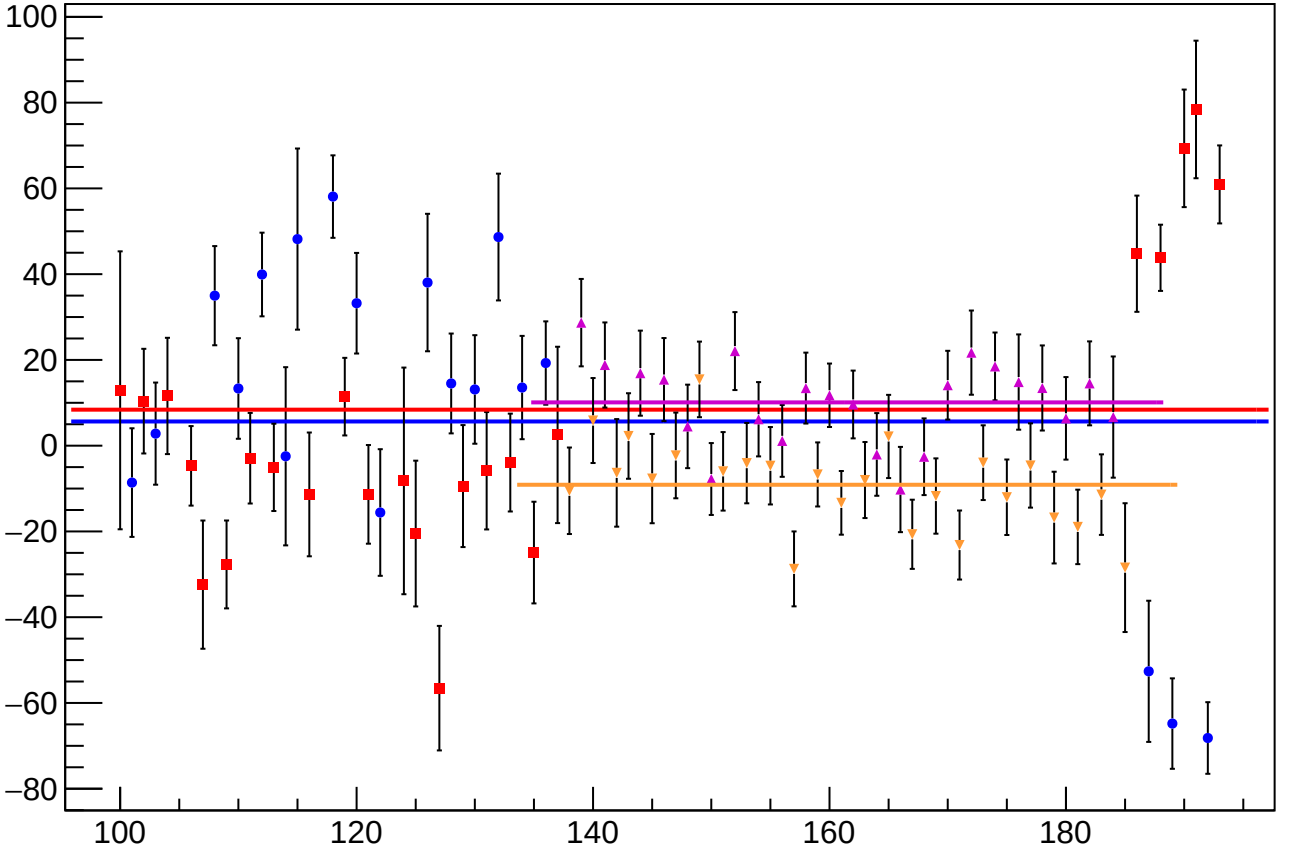
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1212.456+/-0.163 χ^2/NDF: 1133027.5/43

All: 1216.732+/-0.116 χ^2/NDF: 2188399.8/90

- sign 1221.021+/-0.163 χ^2/NDF: 1053998.3/46

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: 8.398+/-2.481 χ^2/NDF: 165.3/23

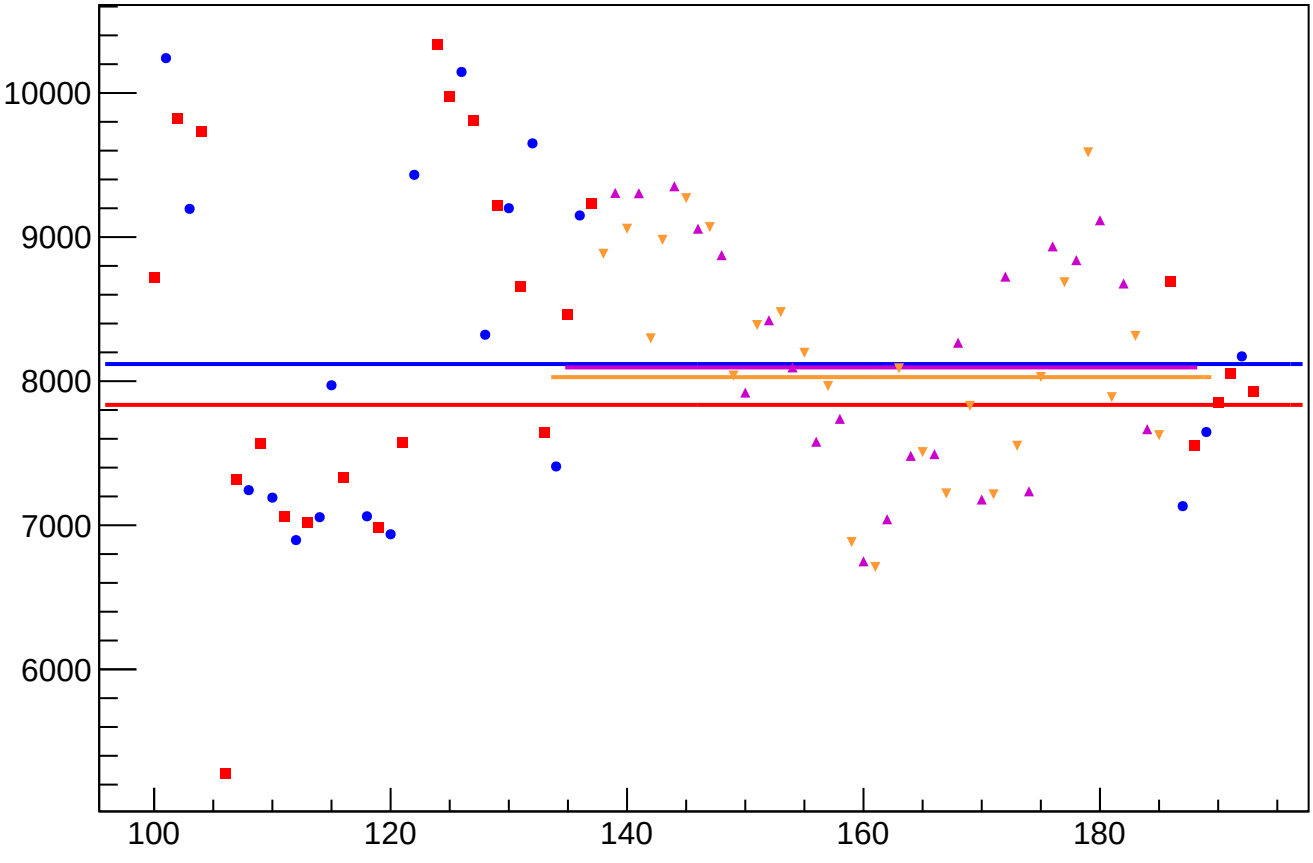
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -4.539+/-1.530 χ^2/NDF: 261.9/43

All: 2.538+/-1.076 χ^2/NDF: 494.1/90

- sign 9.463+/-1.514 χ^2/NDF: 189.9/46

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: 7835.458+/-1.754 χ^2/NDF: 434370.6/23

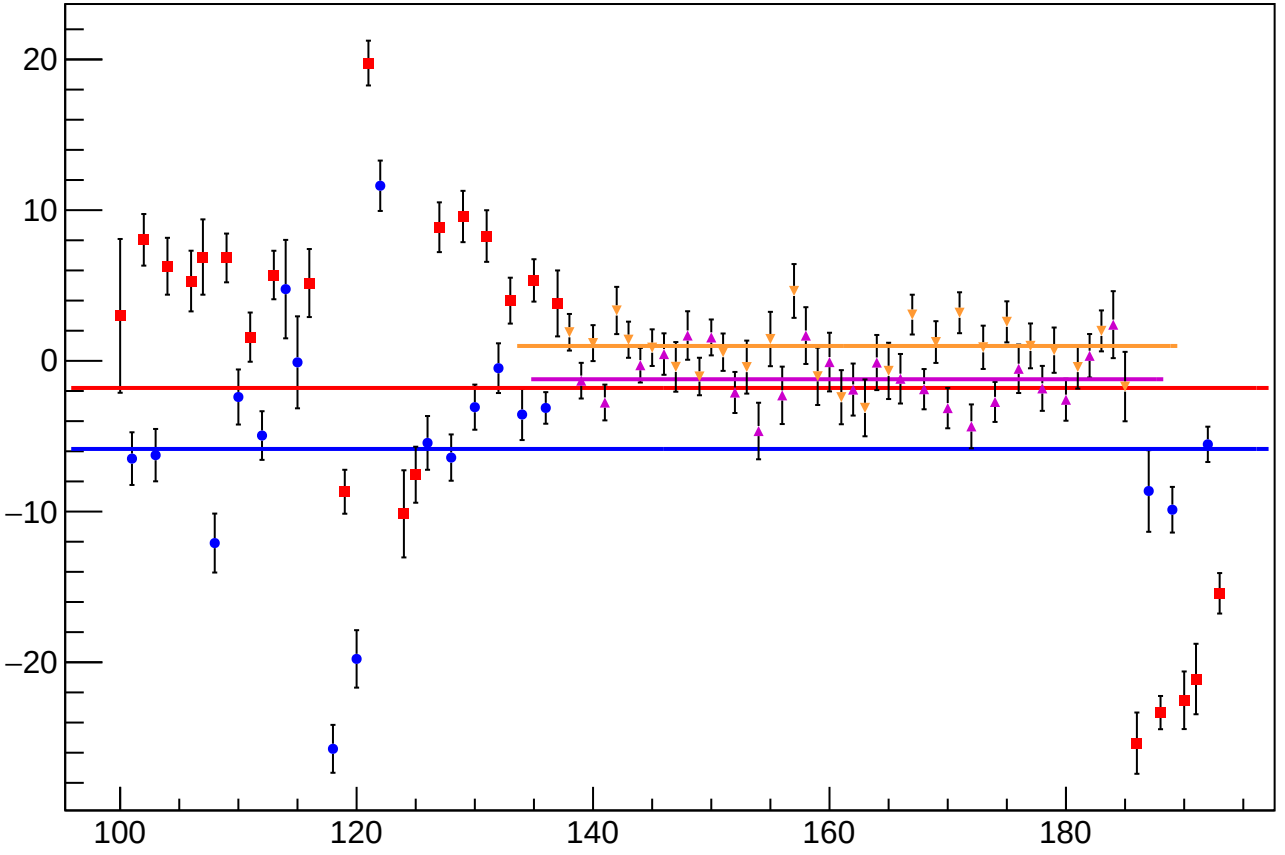
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 8056.186+/-1.082 χ^2/NDF: 636811.9/43

All: 8027.057+/-0.761 χ^2/NDF: 1453844.6/90

- sign 7998.552+/-1.071 χ^2/NDF: 815599.2/46

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: -1.798+/-0.353 χ^2/NDF: 1363.9/23

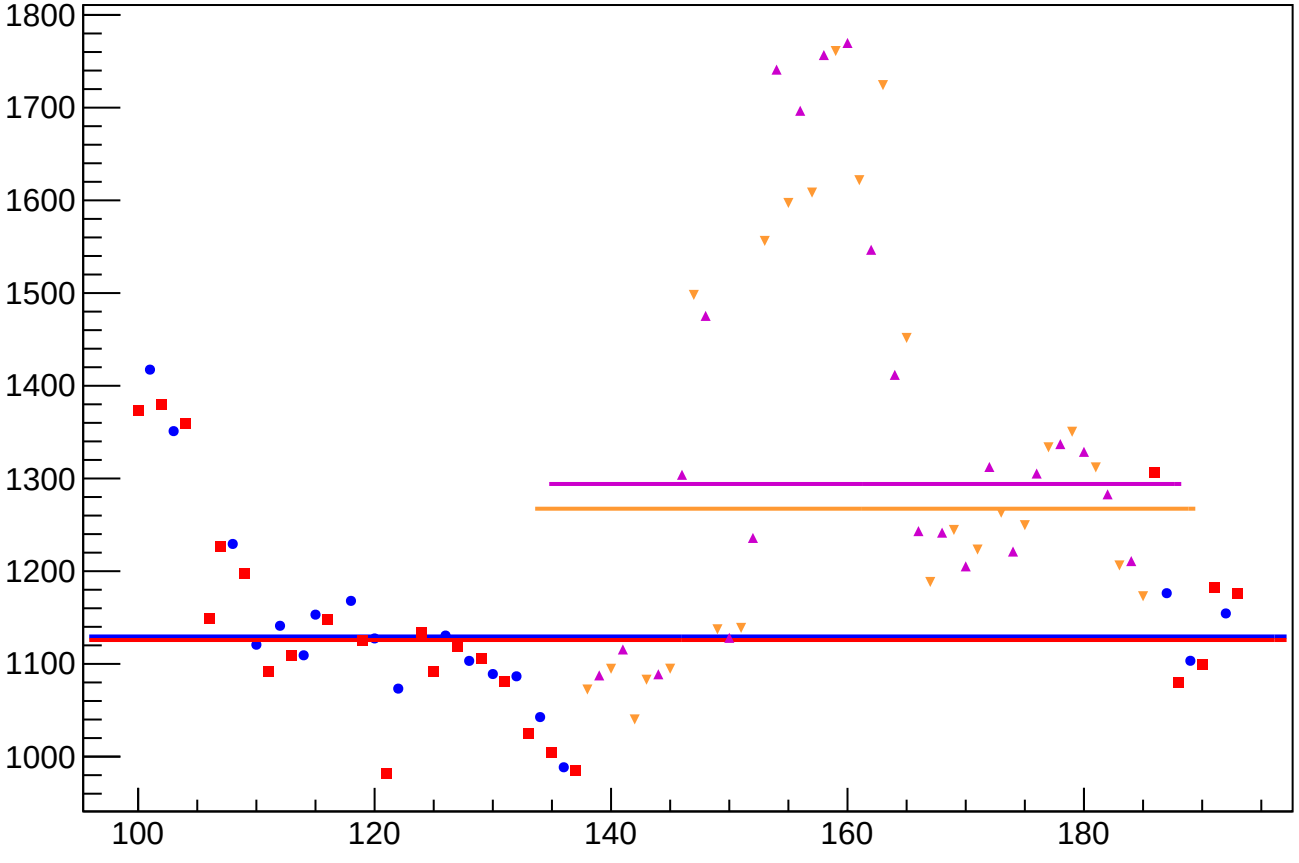
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.557+/-0.232 χ^2/NDF: 613.2/43

All: -1.513+/-0.164 χ^2/NDF: 2011.8/90

- sign -1.468+/-0.232 χ^2/NDF: 1398.5/46

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: 1125.763+/-0.250 χ^2/NDF: 164777.1/23

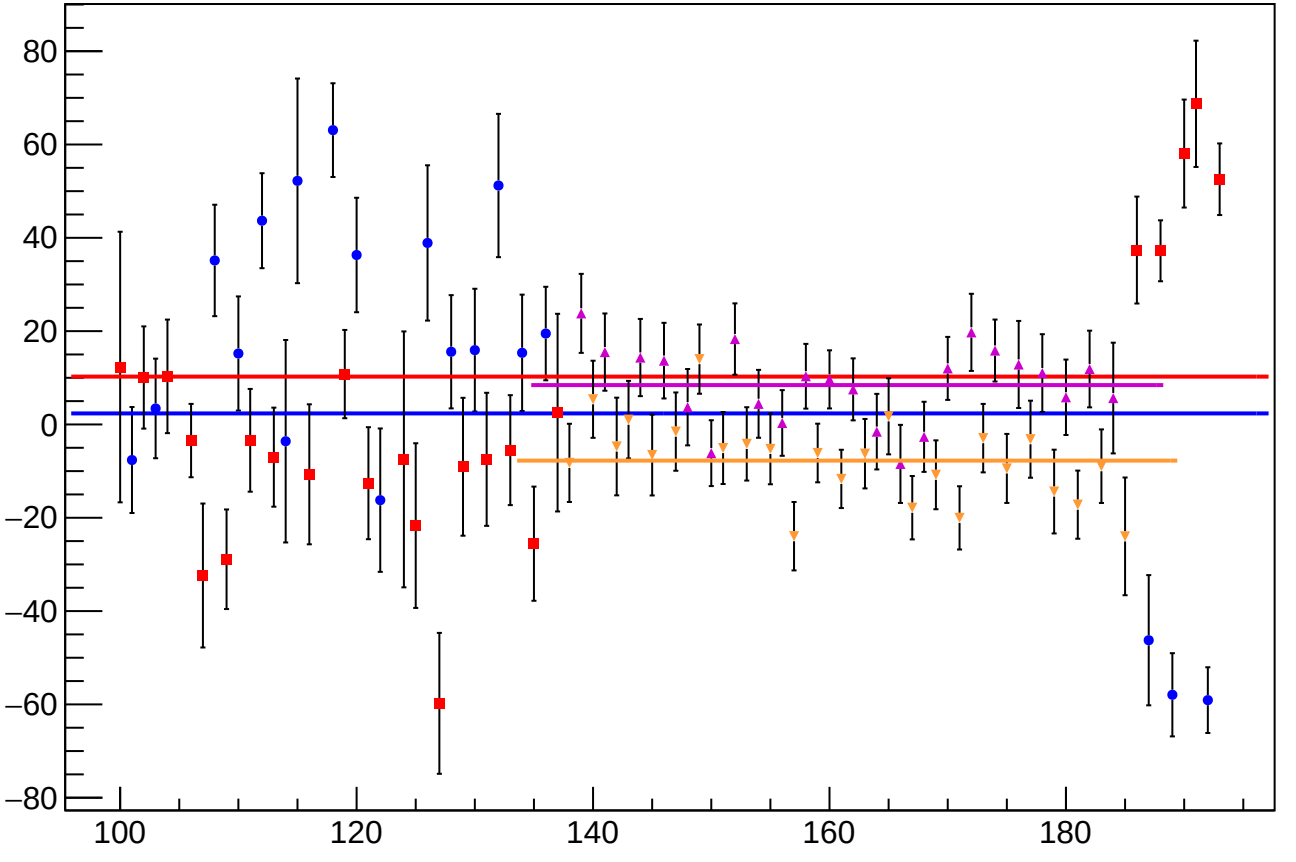
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1216.071+/-0.164 χ^2/NDF: 1186733.0/43

All: 1218.918+/-0.116 χ^2/NDF: 2369307.2/90

- sign 1221.764+/-0.164 χ^2/NDF: 1181969.9/46

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: 10.254+/-2.353 χ^2/NDF: 161.6/23

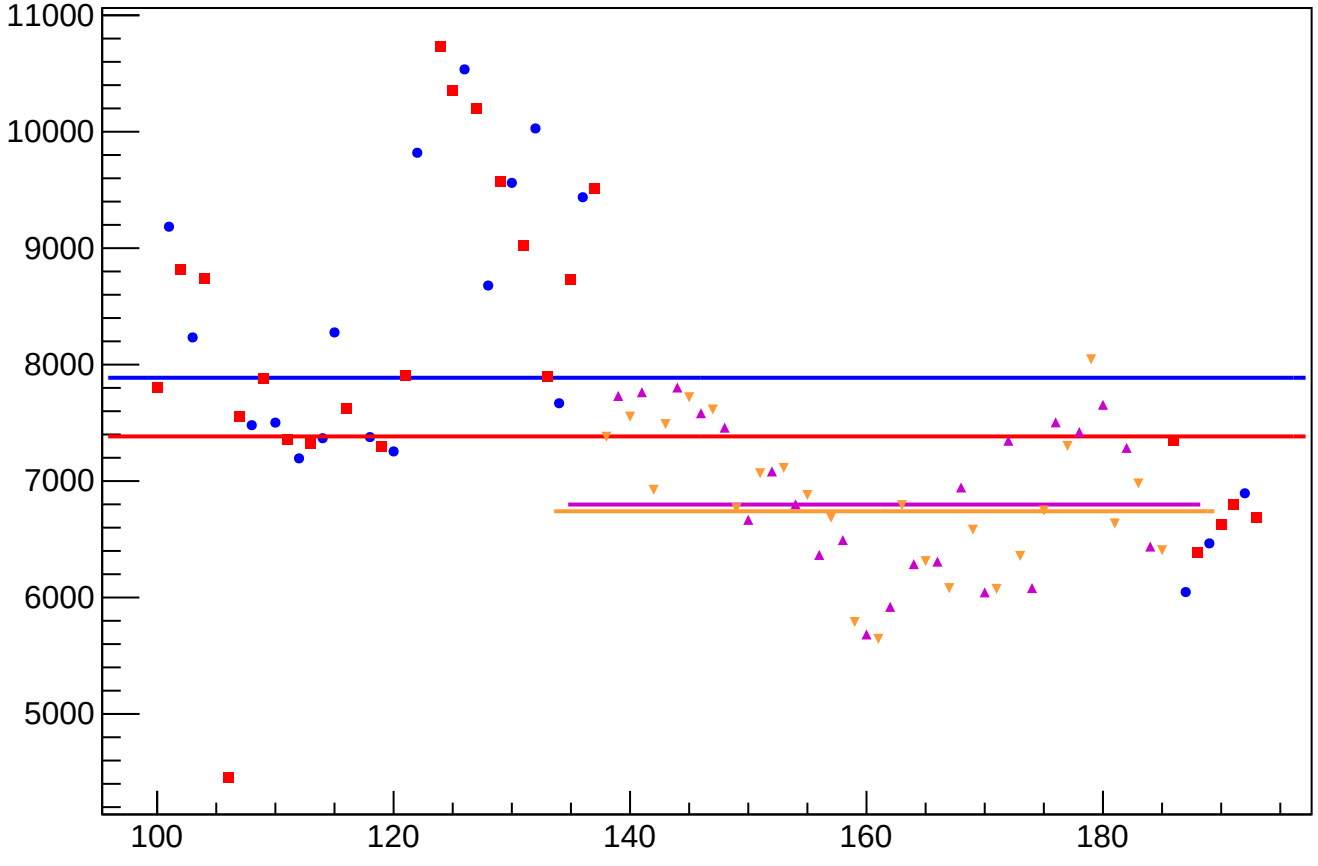
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -5.220+/-1.339 χ^2/NDF: 273.1/43

All: 1.969+/-0.942 χ^2/NDF: 517.0/90

- sign 9.014+/-1.326 χ^2/NDF: 186.8/46

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: 7383.359+/-1.664 χ^2/NDF: 695722.8/23

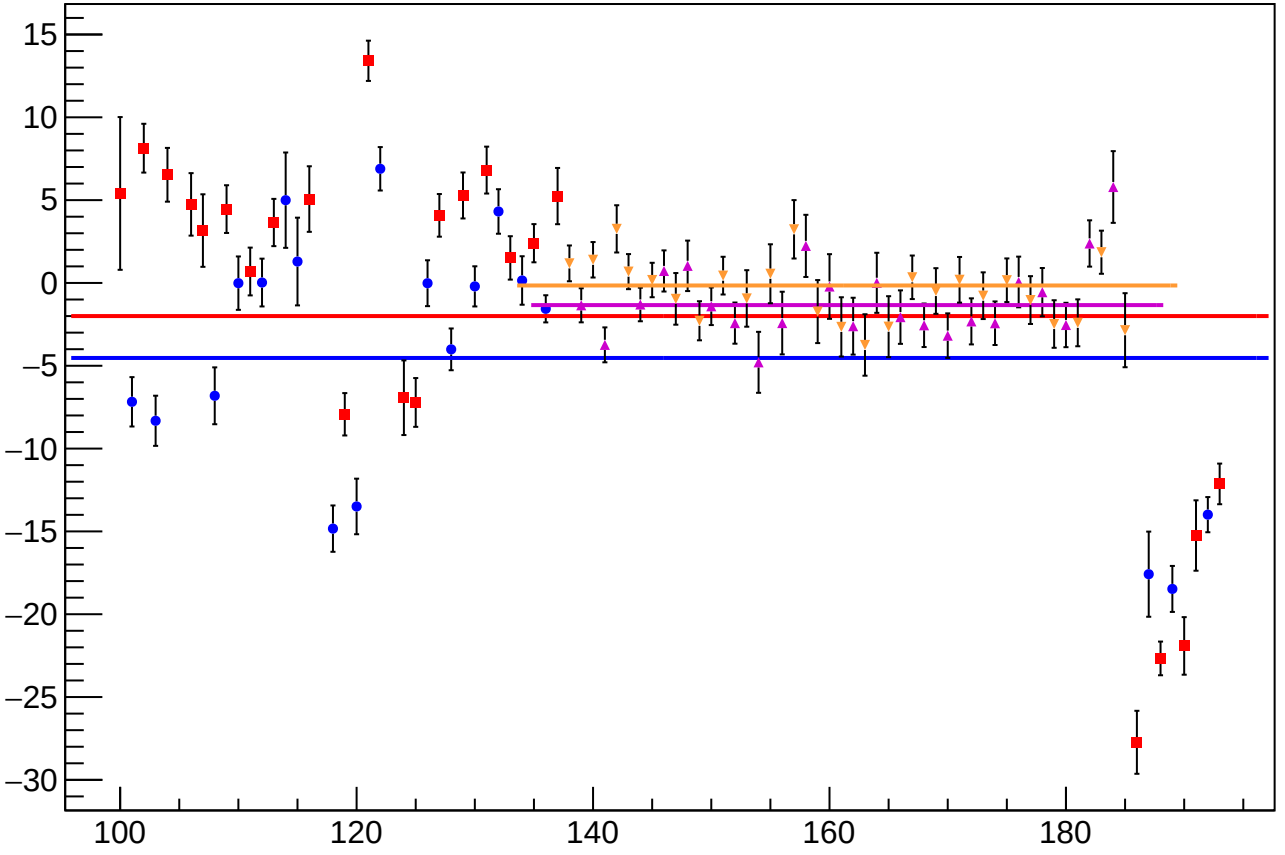
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 7027.710+/-0.947 χ^2/NDF: 981518.8/43

All: 7005.724+/-0.666 χ^2/NDF: 2115923.2/90

- sign 6984.179+/-0.937 χ^2/NDF: 1133337.1/46

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: -2.000+/-0.304 χ^2/NDF: 1310.7/23

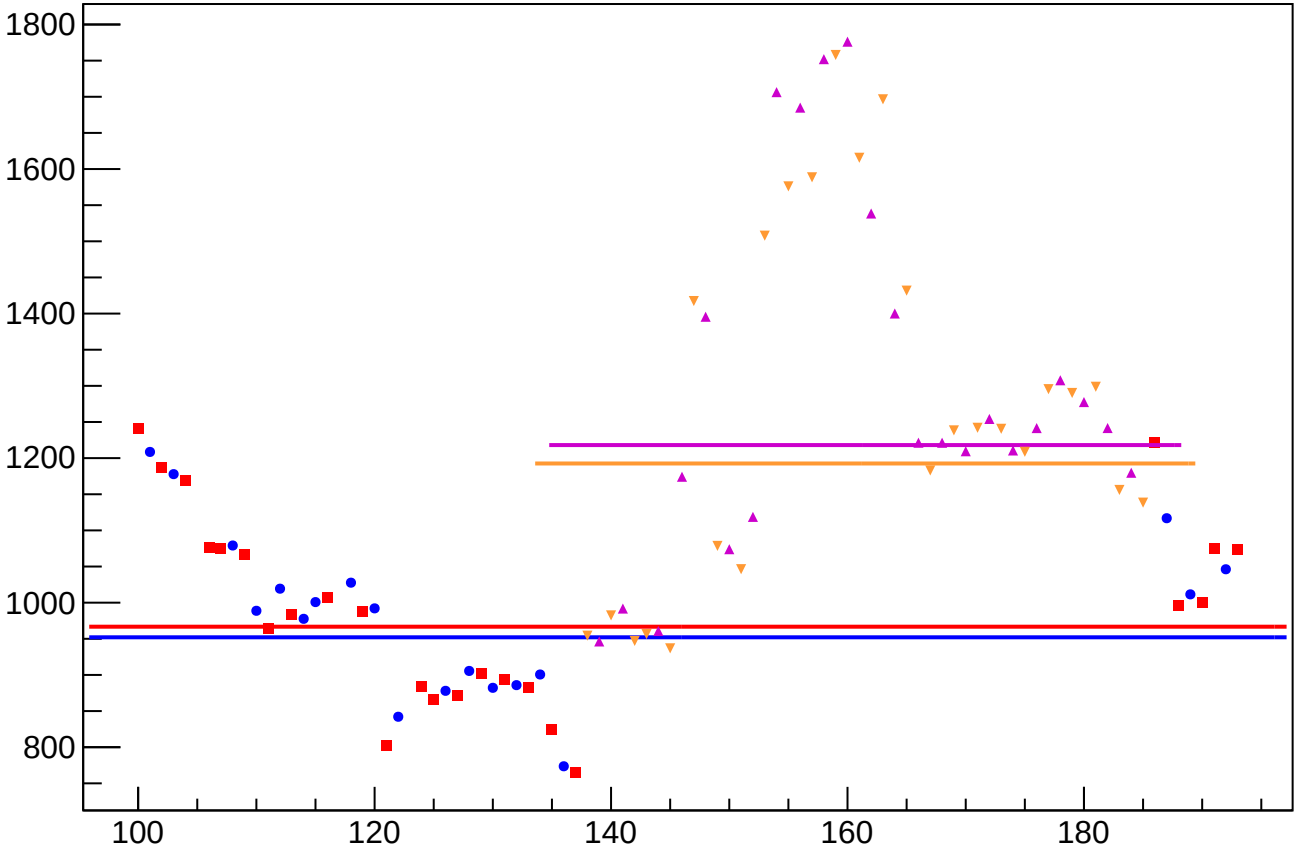
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

\+ sign -2.017+/-0.210 χ^2/NDF: 642.3/43

All: -1.835+/-0.148 χ^2/NDF: 2001.0/90

\- sign -1.652+/-0.210 χ^2/NDF: 1357.2/46

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: 966.752+/-0.215 χ^2/NDF: 301551.7/23

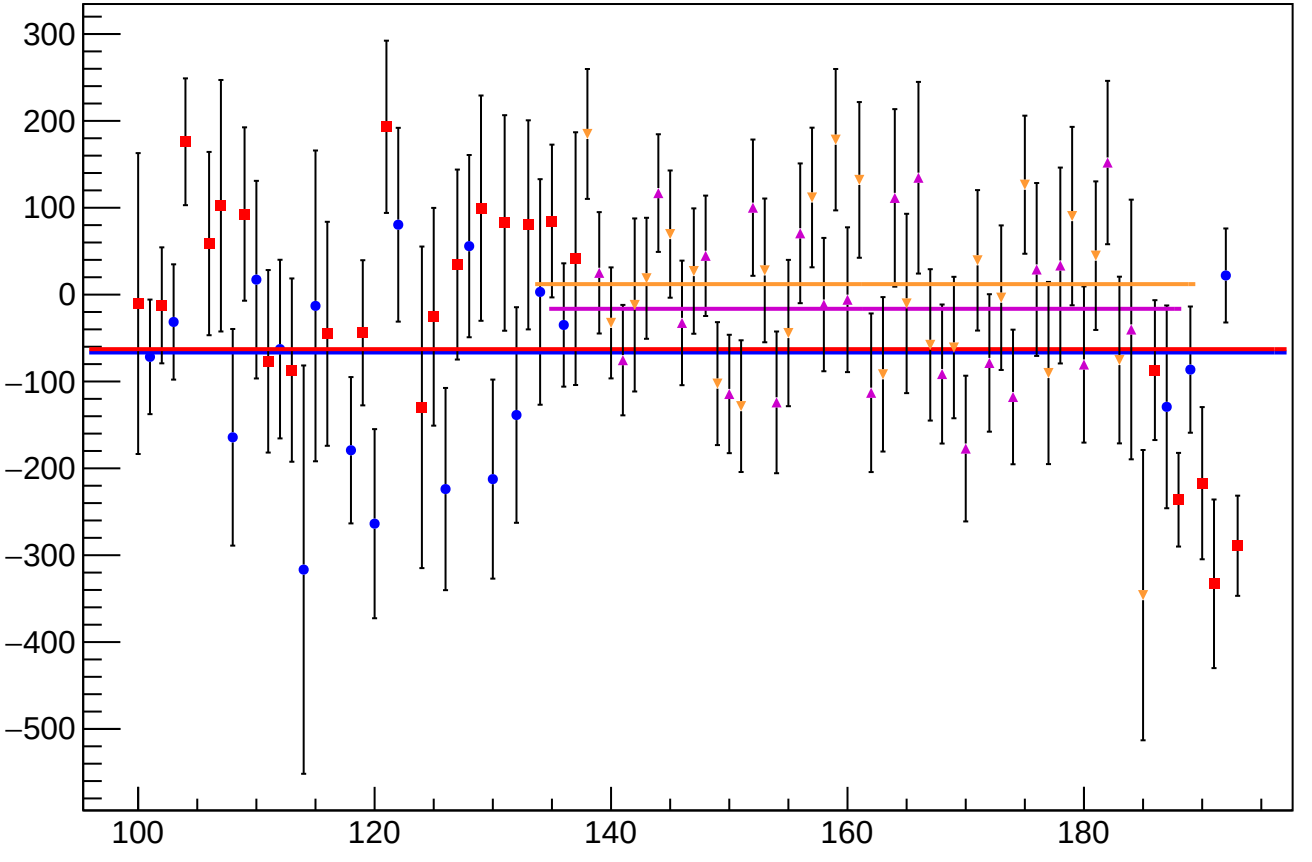
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1090.089+/-0.148 χ^2/NDF: 2250778.6/43

All: 1094.237+/-0.105 χ^2/NDF: 4396138.8/90

- sign 1098.402+/-0.148 χ^2/NDF: 2143790.4/46

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

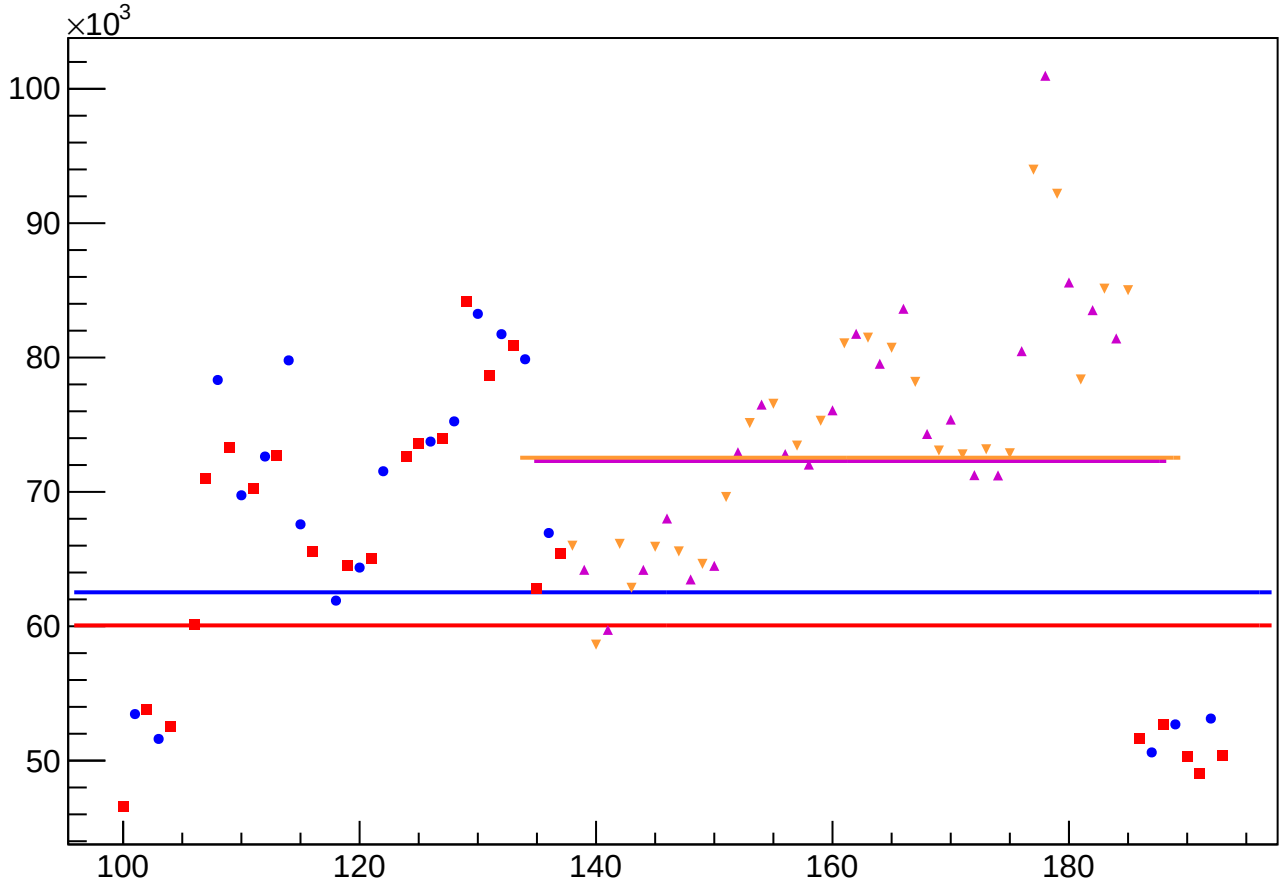
Right Out: -62.779+/-19.066 χ^2/NDF: 68.6/23

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign -17.779+/-13.084 χ^2/NDF: 59.4/43

All: -27.643+/-9.112 χ^2/NDF: 161.2/90

- sign -36.931+/-12.696 χ^2/NDF: 100.6/46



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: 60063.766+/-13.482 χ^2/NDF: 569049.2/23

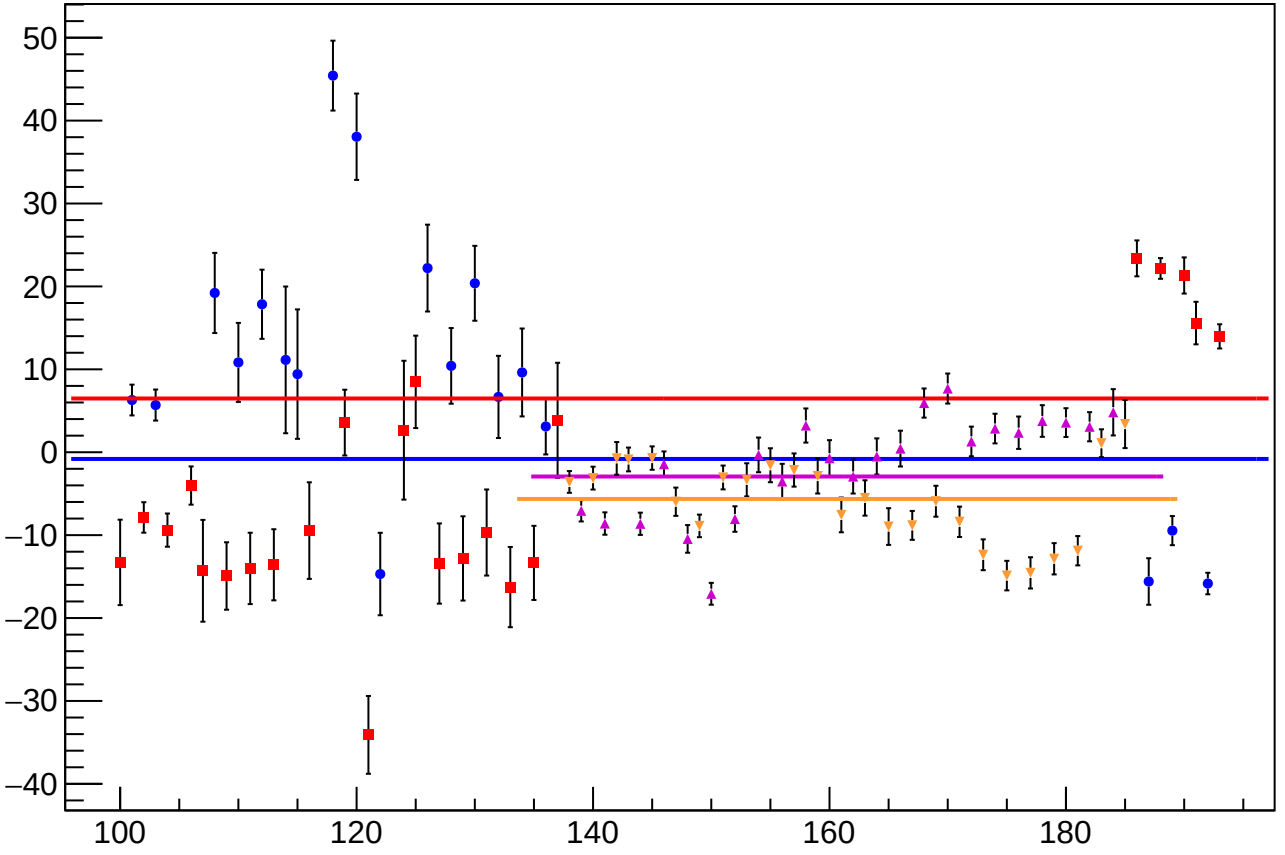
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 68744.359+/-9.252 χ^2/NDF: 1276075.1/43

All: 67781.395+/-6.443 χ^2/NDF: 2813468.3/9

- sign 66874.672+/-8.978 χ^2/NDF: 1516358.7/46

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: 6.485+/-0.571 χ^2/NDF: 713.0/23

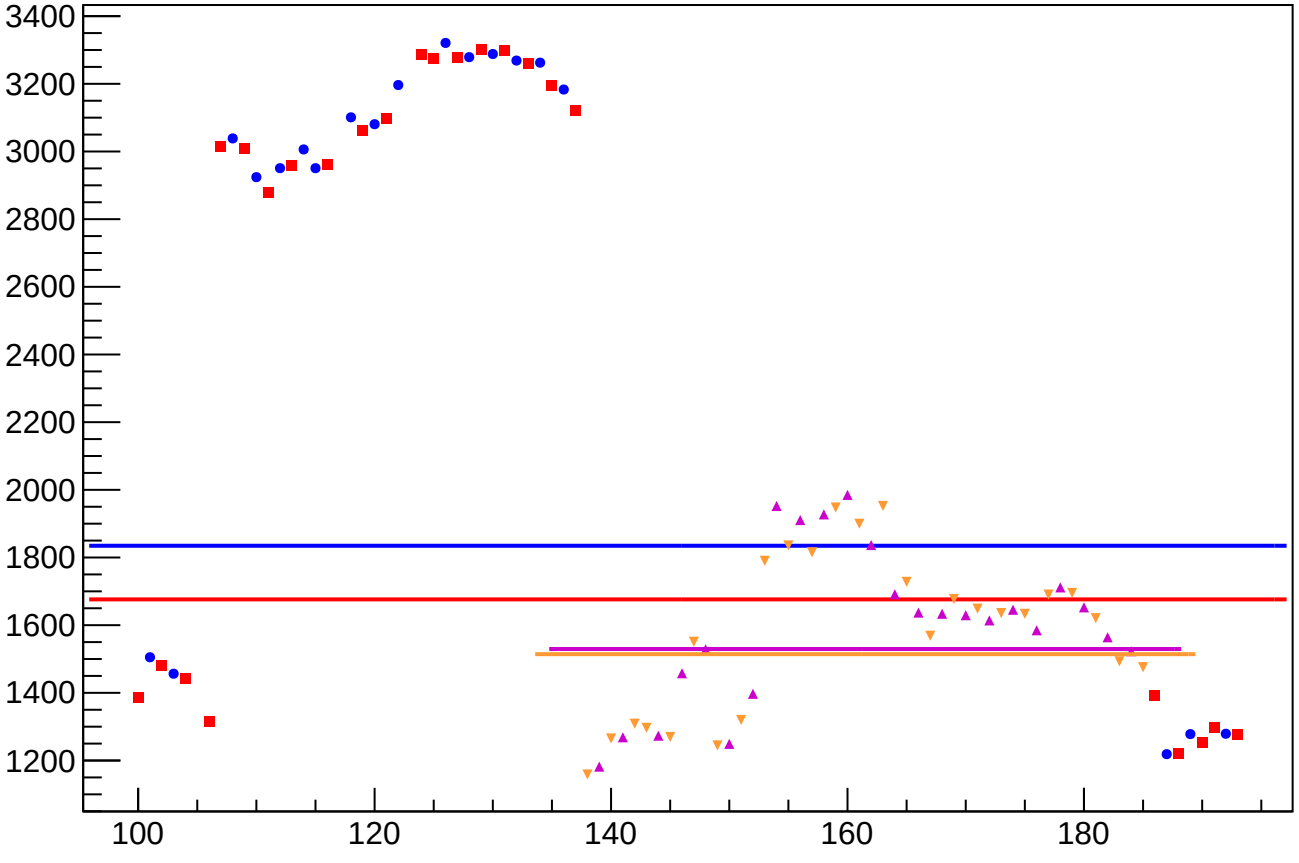
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -4.607+/-0.310 χ^2/NDF: 716.8/43

All: -2.389+/-0.218 χ^2/NDF: 2062.4/90

- sign -0.225+/-0.306 χ^2/NDF: 1244.3/46

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: 1676.223+/-0.404 χ^2/NDF: 3232503.3/23

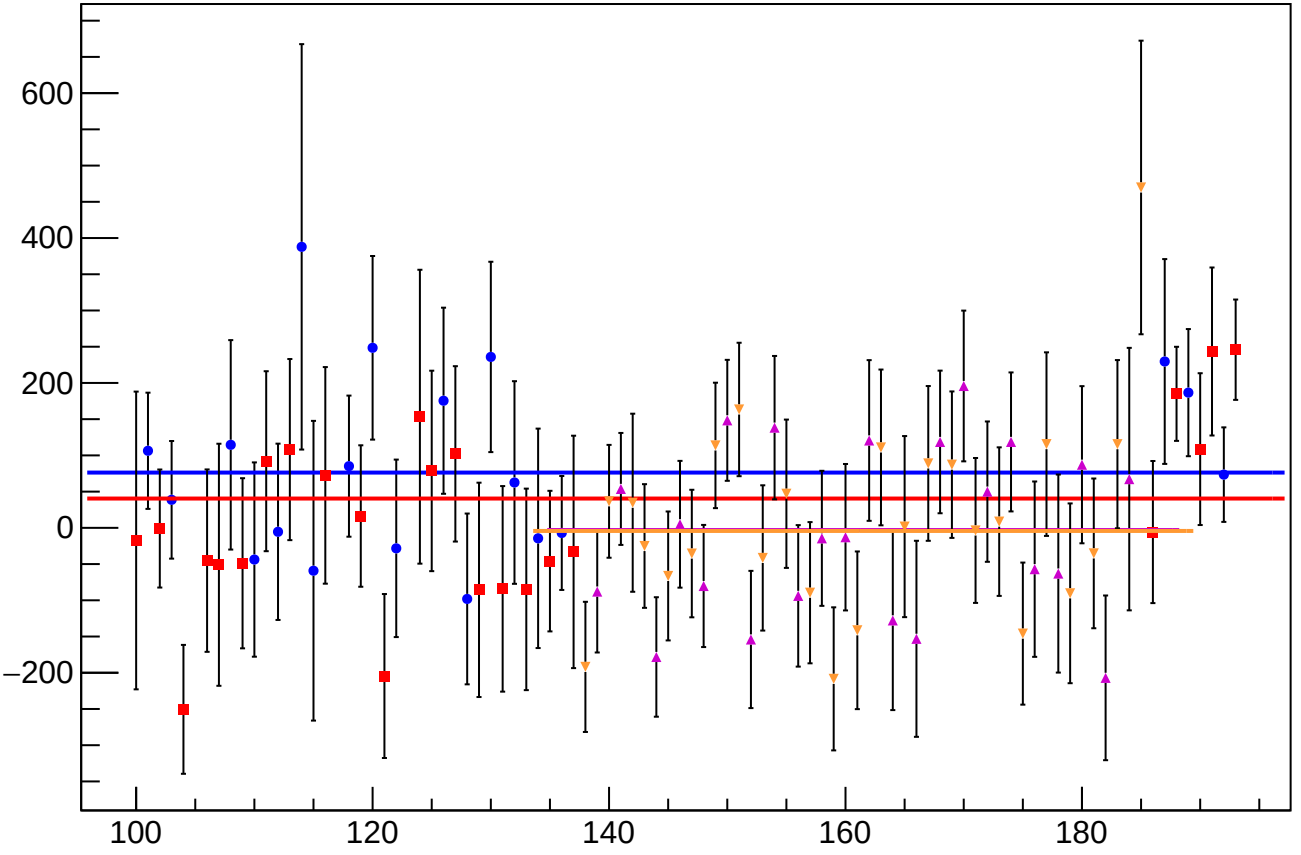
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1582.635+/-0.219 χ^2/NDF: 4193252.0/43

All: 1577.119+/-0.154 χ^2/NDF: 8349536.9/90

- sign 1571.735+/-0.216 χ^2/NDF: 4155030.4/46

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

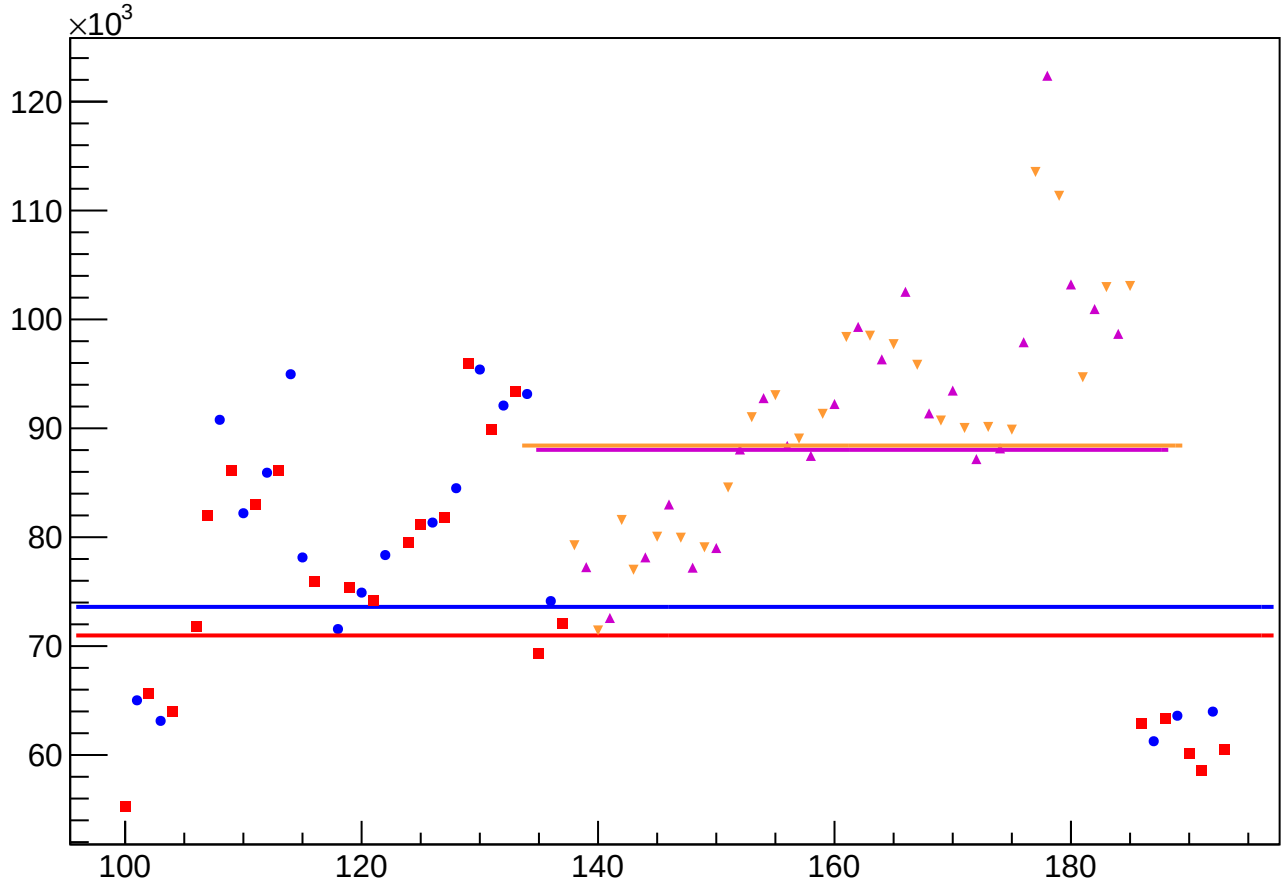
Right Out: 40.447+/-22.466 χ^2/NDF: 39.1/23

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 27.753+/-15.710 χ^2/NDF: 51.2/43

All: 22.190+/-10.935 χ^2/NDF: 123.2/90

- sign 16.960+/-15.231 χ^2/NDF: 71.8/46



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: 70977.790+/-15.886 χ^2/NDF: 437859.5/23

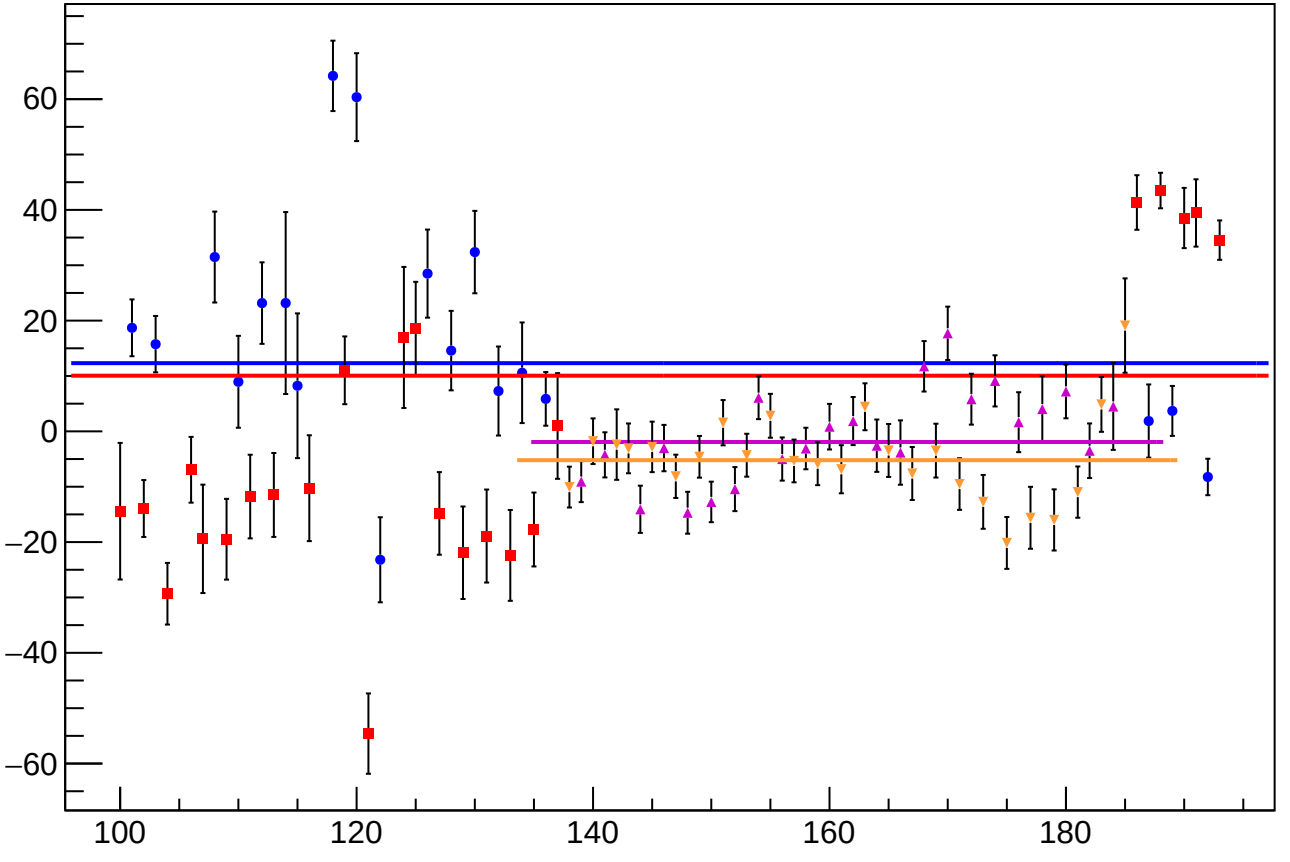
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 82527.795+/-11.109 χ^2/NDF: 1270384.7/43

All: 81322.187+/-7.733 χ^2/NDF: 2838058.6/9

- sign 80188.942+/-10.770 χ^2/NDF: 1544823.7/46

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: 10.051+/-1.271 χ^2/NDF: 529.5/23

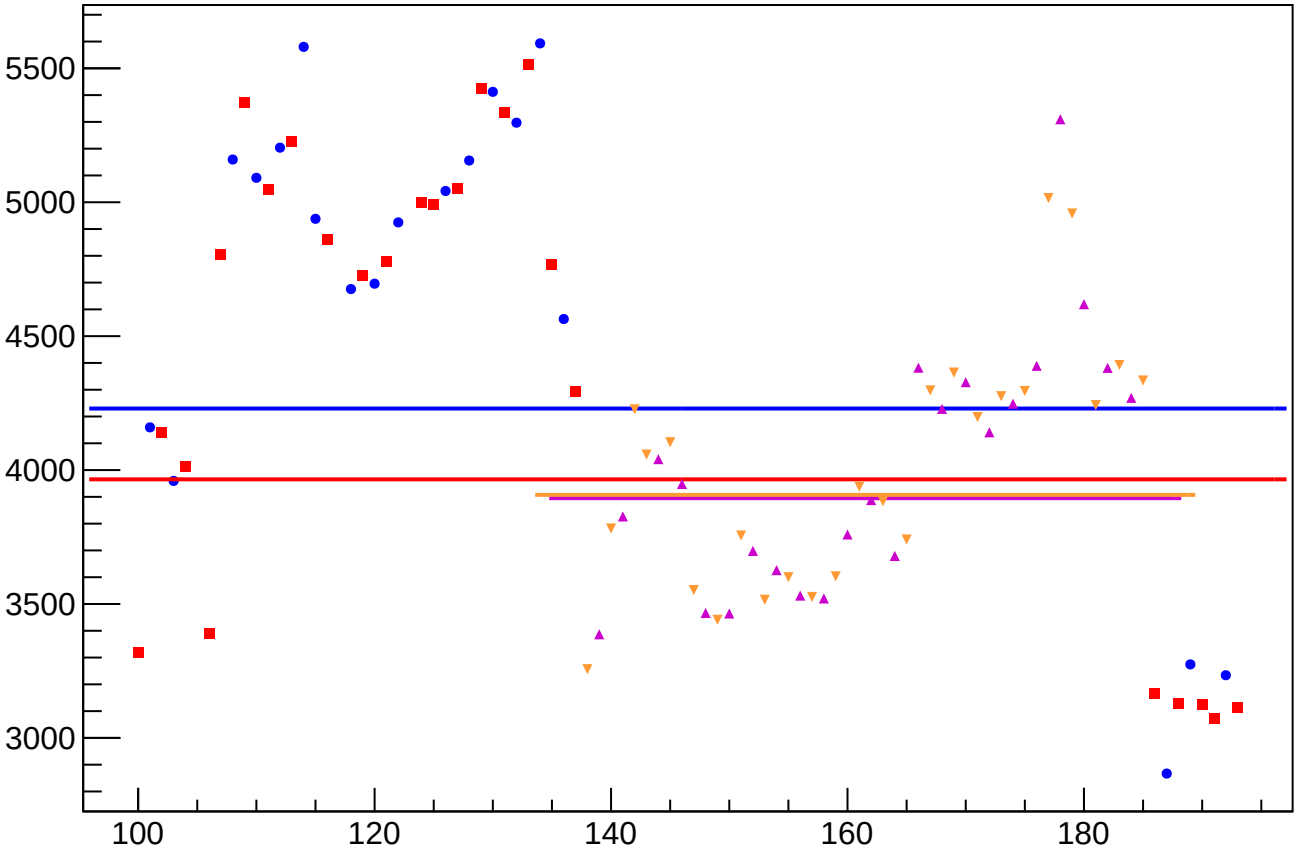
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -0.355+/-0.760 χ^2/NDF: 351.1/43

All: 0.935+/-0.531 χ^2/NDF: 1027.8/90

- sign 2.169+/-0.743 χ^2/NDF: 671.1/46

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: 3965.426+/-0.899 χ^2/NDF: 981730.0/23

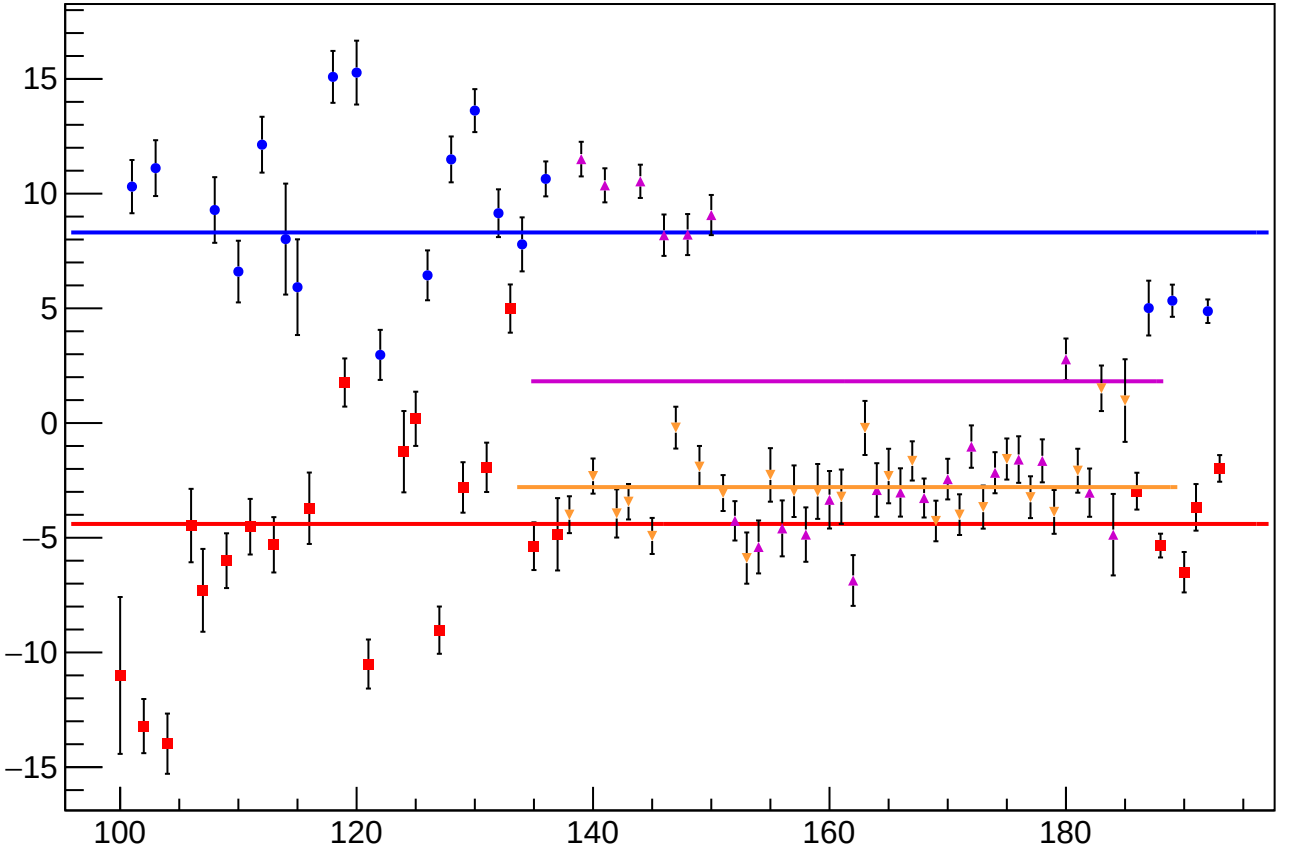
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3996.693+/-0.537 χ^2/NDF: 1205793.4/43

All: 3957.054+/-0.376 χ^2/NDF: 2612104.4/90

- sign 3919.143+/-0.526 χ^2/NDF: 1395670.2/46

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: -4.398+/-0.210 χ^2/NDF: 341.5/23

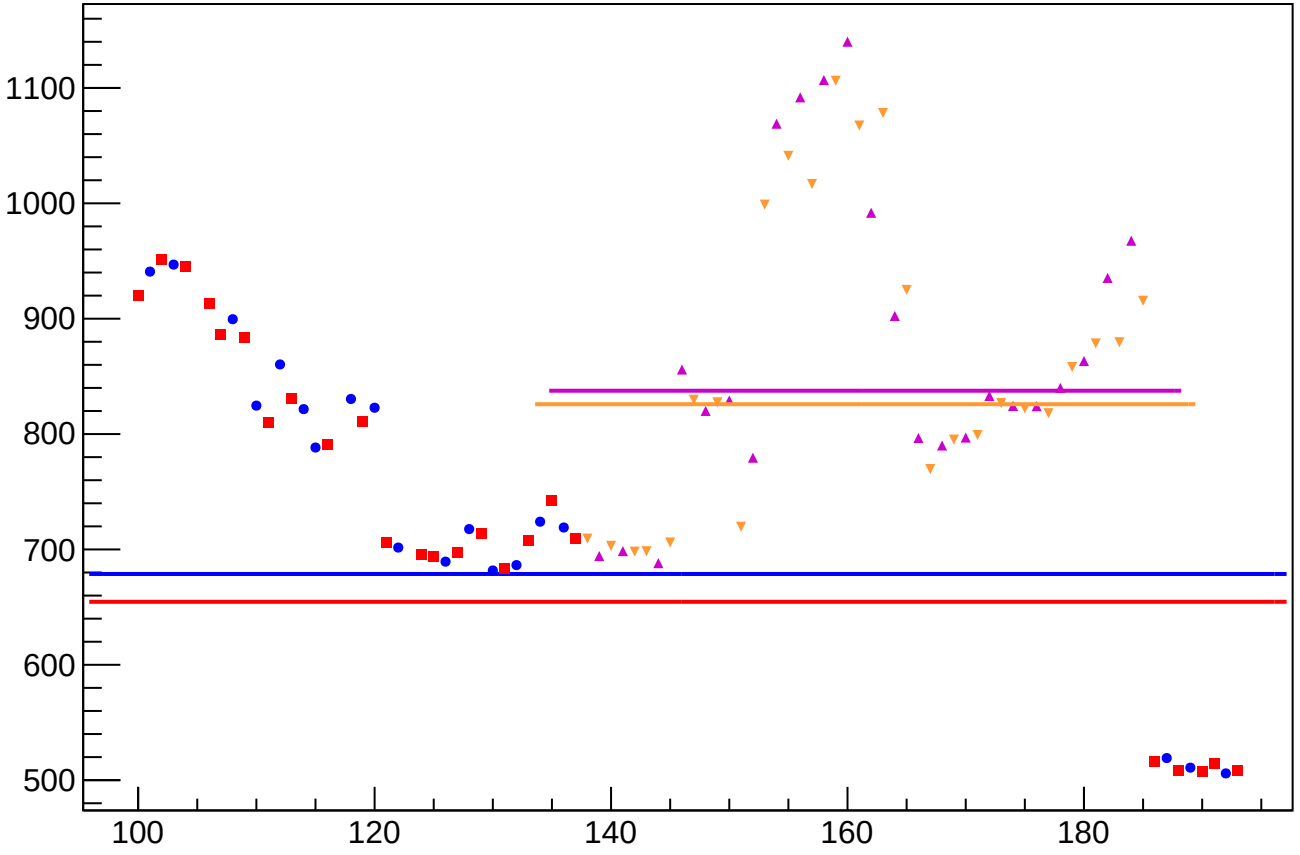
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.662+/-0.147 χ^2/NDF: 1669.4/43

All: 0.246+/-0.103 χ^2/NDF: 3683.1/90

- sign -1.113+/-0.144 χ^2/NDF: 1832.0/46

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: 654.609+/-0.148 χ^2/NDF: 1010187.6/23

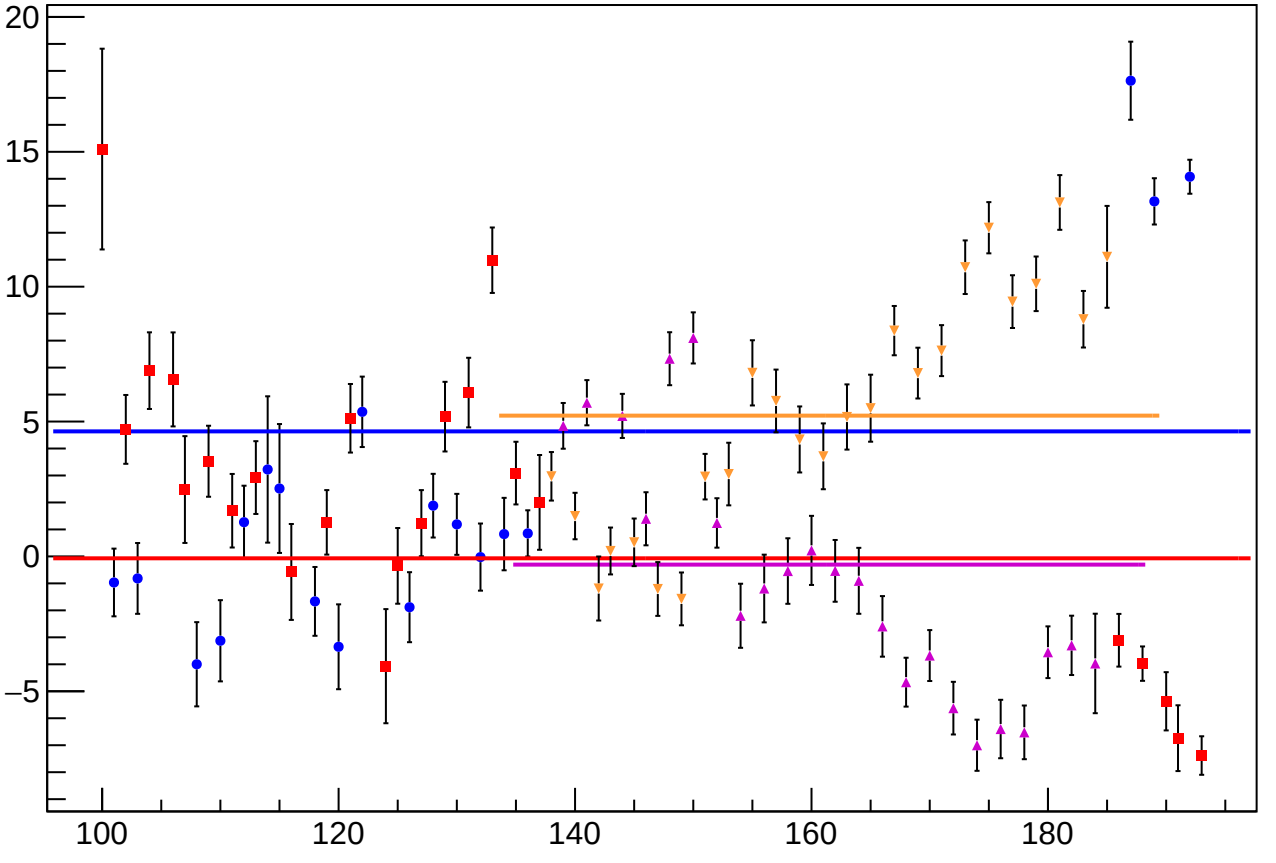
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

\+ sign 766.833+/-0.104 χ^2/NDF: 2020652.0/43

All: 758.890+/-0.073 χ^2/NDF: 4560548.4/90

\- sign 751.271+/-0.102 χ^2/NDF: 2528467.0/46

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: -0.071+/-0.247 χ^2/NDF: 444.6/23

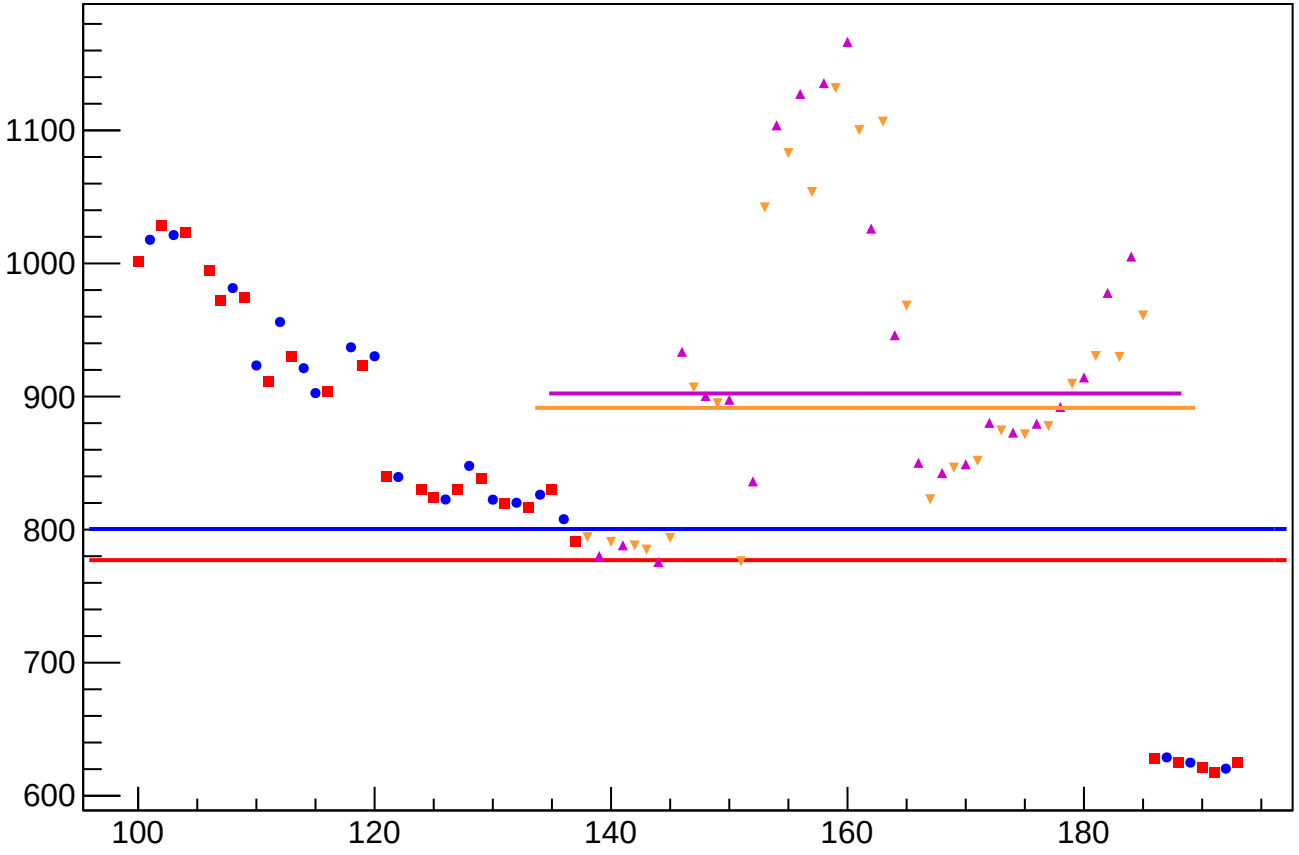
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 5.008+/-0.163 χ^2/NDF: 1090.6/43

All: 2.366+/-0.115 χ^2/NDF: 2547.2/90

- sign -0.205+/-0.161 χ^2/NDF: 940.3/46

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: 777.056+/-0.175 χ^2/NDF: 678436.1/23

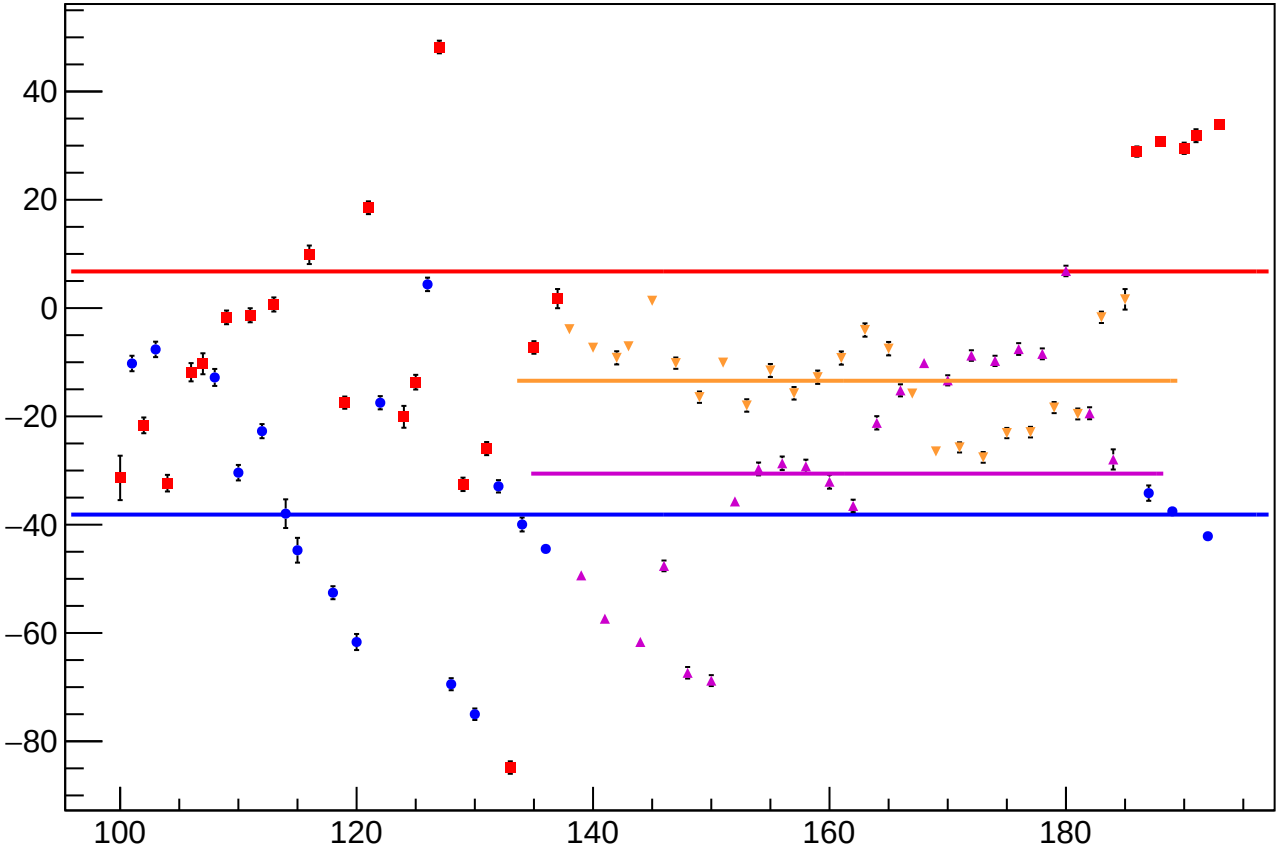
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 858.605+/-0.115 χ^2/NDF: 1171683.0/43

All: 853.712+/-0.081 χ^2/NDF: 2634018.9/90

- sign 848.950+/-0.114 χ^2/NDF: 1458794.4/46

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: 6.766+/-0.240 χ^2/NDF: 16343.7/23

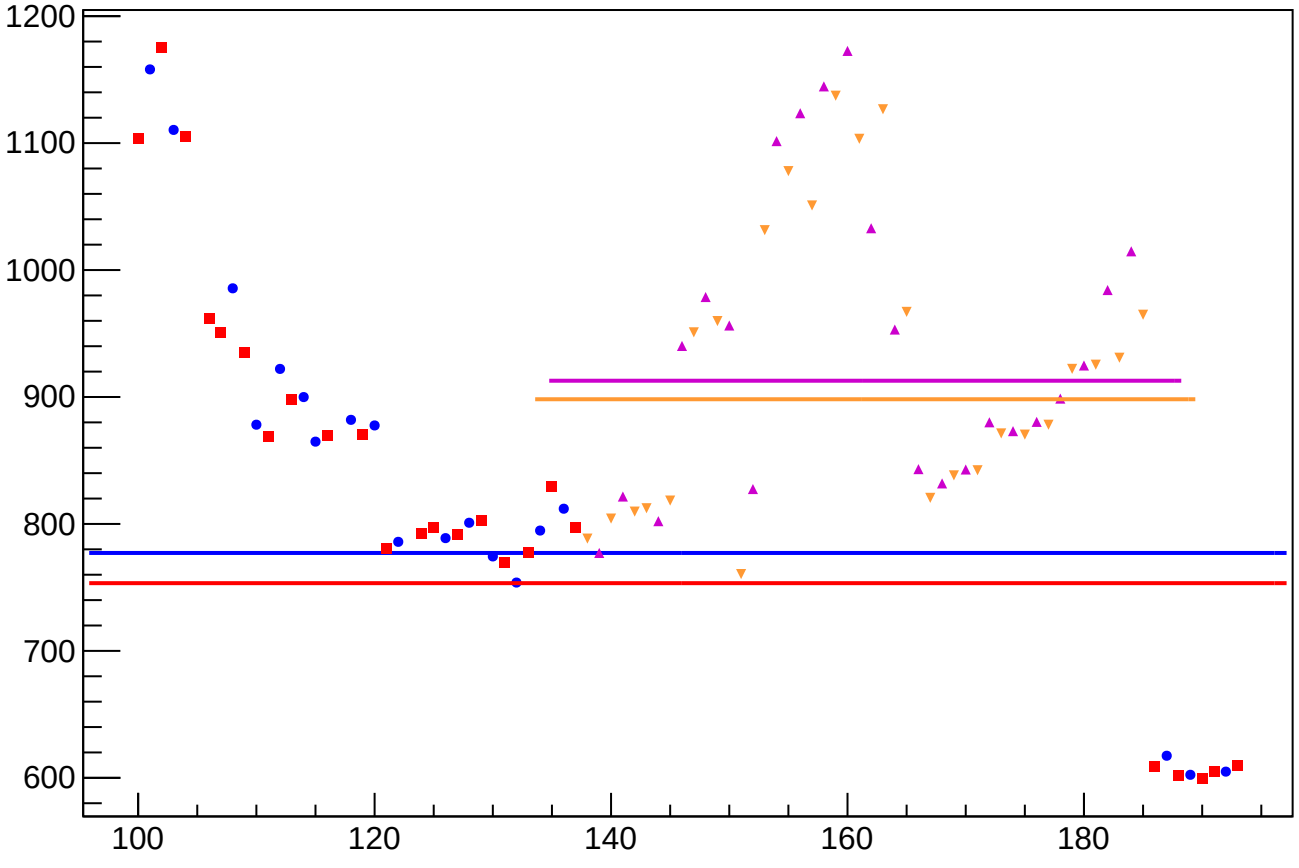
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -22.740+/-0.163 χ^2/NDF: 12335.5/43

All: -18.276+/-0.114 χ^2/NDF: 53967.3/90

- sign -13.938+/-0.160 χ^2/NDF: 40144.3/46

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: 753.355+/-0.170 χ^2/NDF: 799978.4/23

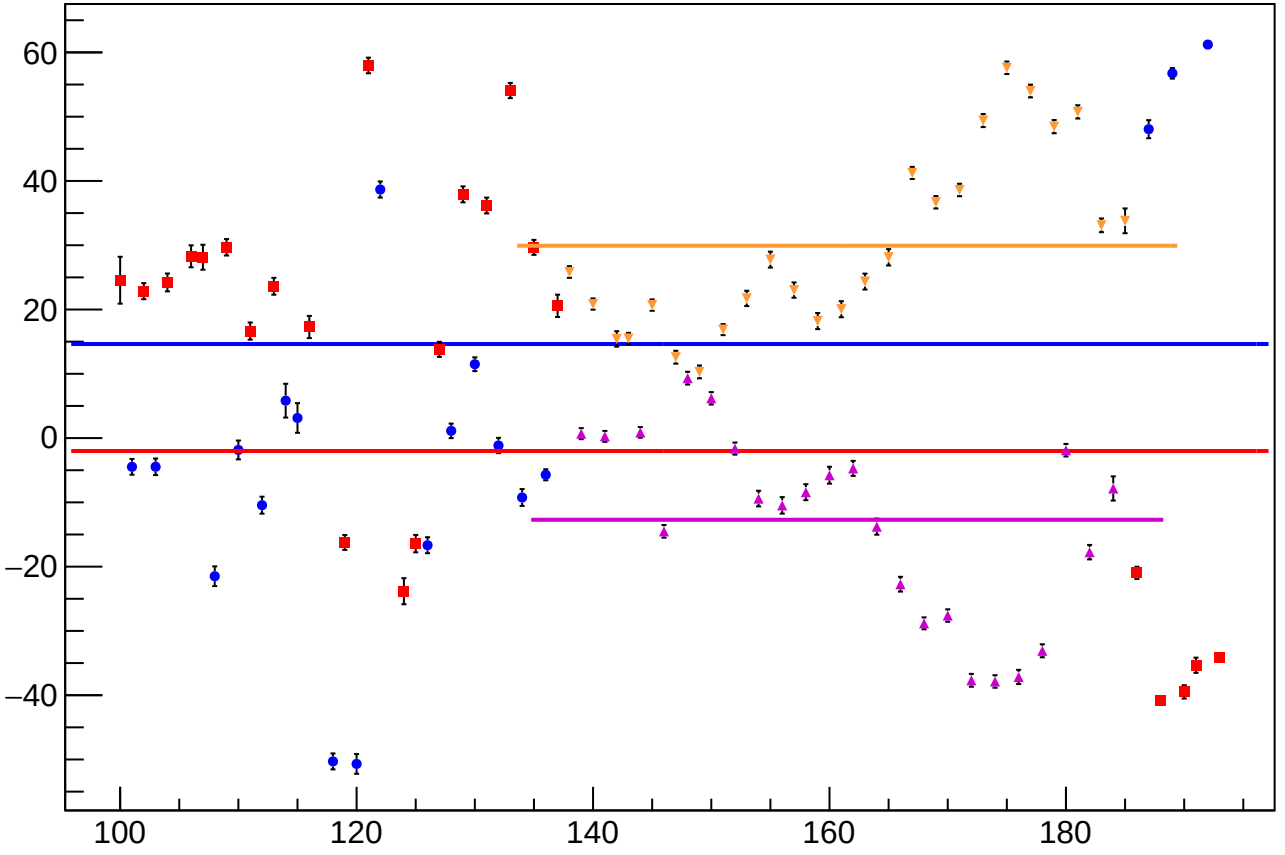
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

\+ sign 852.566+/-0.115 χ^2/NDF: 1409765.8/43

All: 847.094+/-0.081 χ^2/NDF: 3183564.1/90

\- sign 841.778+/-0.113 χ^2/NDF: 1769329.9/46

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: -2.010+/-0.239 χ^2/NDF: 19520.4/23

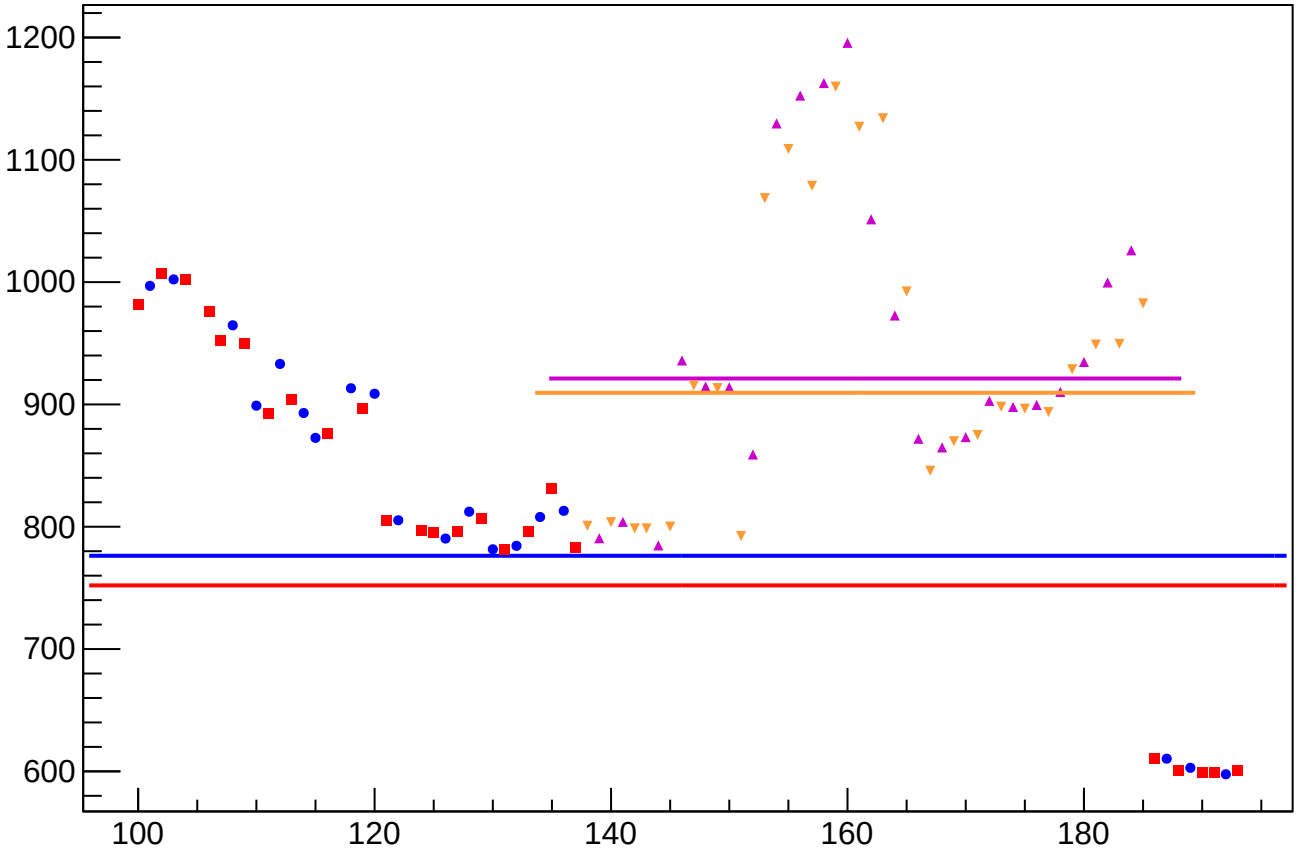
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 24.039+/-0.164 χ^2/NDF: 23993.0/43

All: 7.804+/-0.115 χ^2/NDF: 68762.9/90

- sign -7.873+/-0.161 χ^2/NDF: 25408.7/46

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: 752.047+/-0.169 χ^2/NDF: 717132.0/23

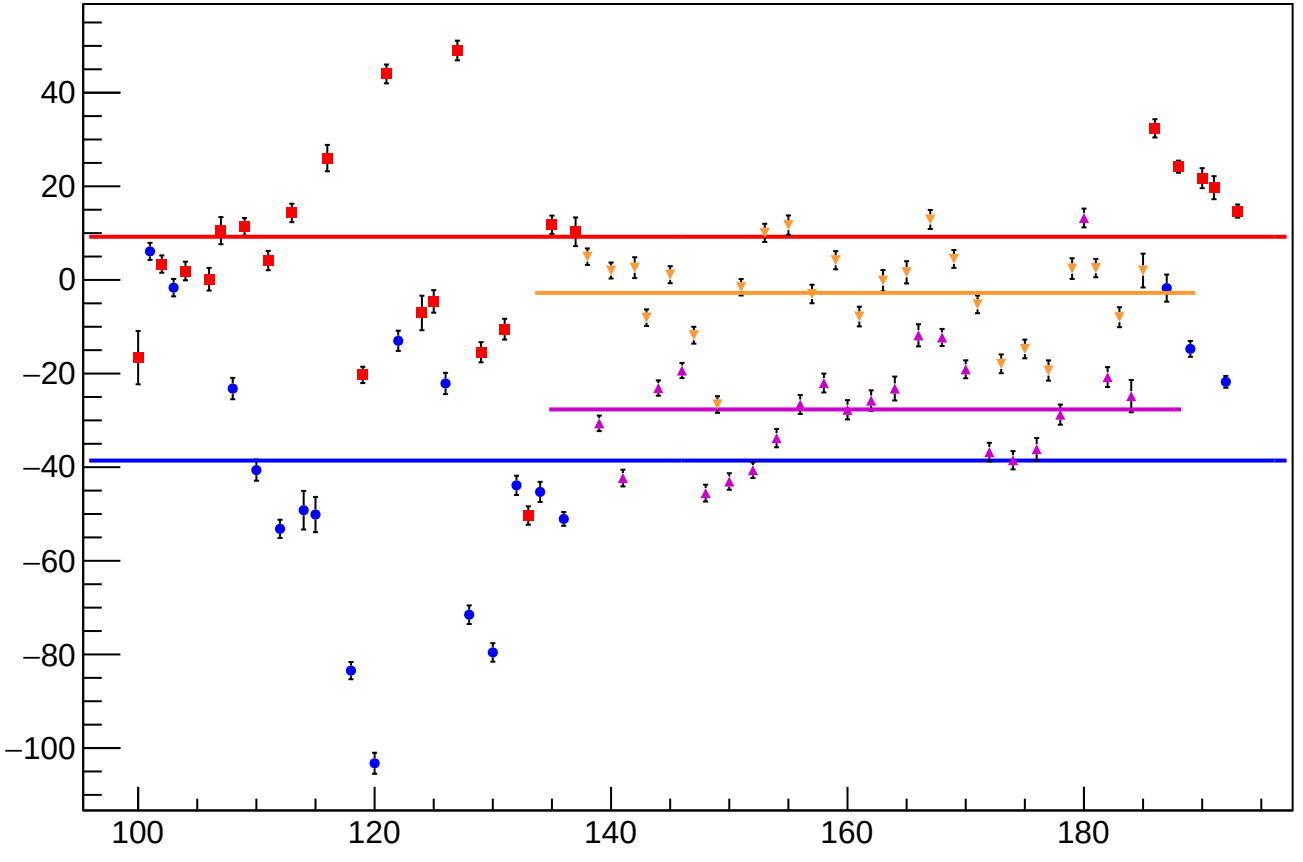
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 858.263+/-0.116 χ^2/NDF: 1398579.3/43

All: 851.393+/-0.081 χ^2/NDF: 3168498.8/90

- sign 844.759+/-0.114 χ^2/NDF: 1762986.0/46

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: 9.225+/-0.422 χ^2/NDF: 2576.6/23

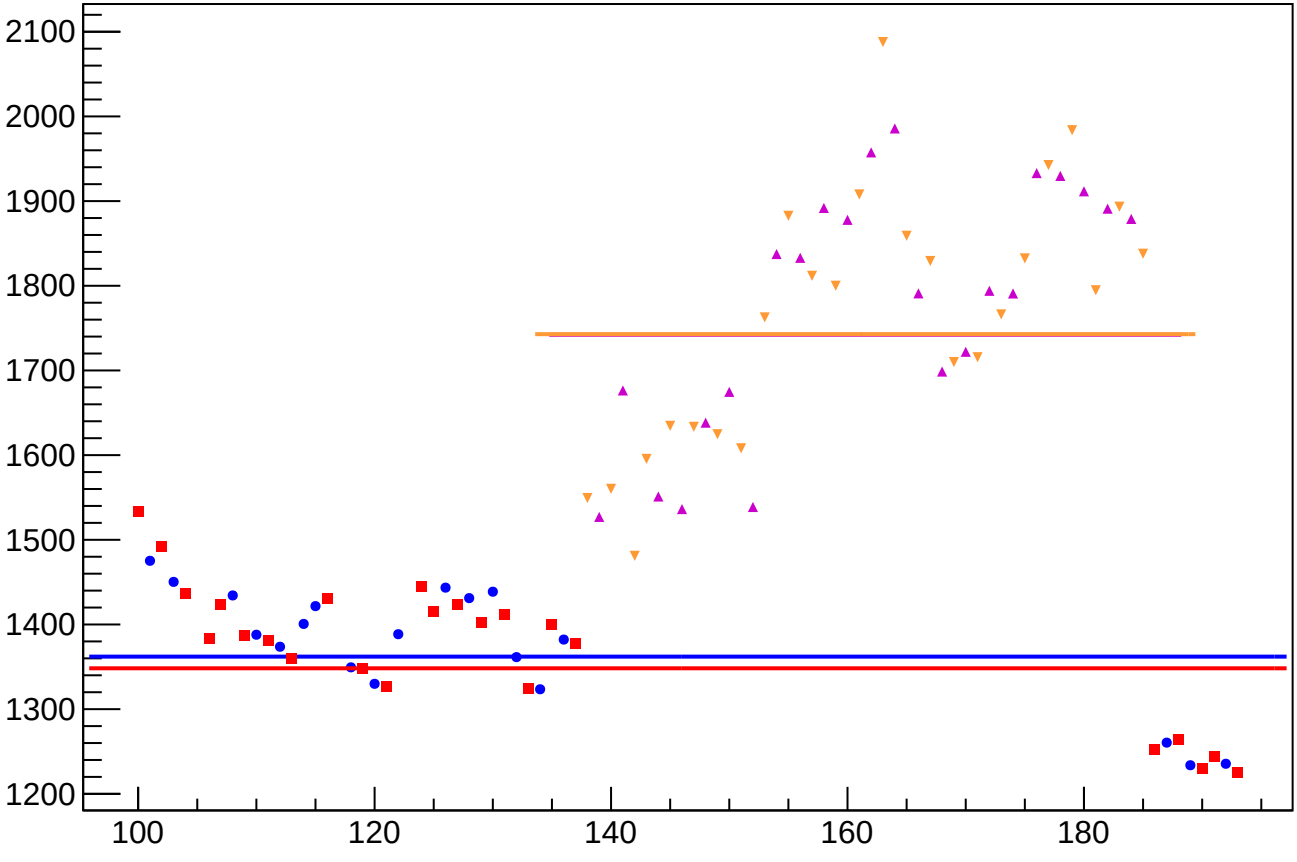
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

+ sign -18.217+/-0.300 χ^2/NDF: 8184.7/43

All: -13.922+/-0.210 χ^2/NDF: 16097.8/90

- sign -9.801+/-0.294 χ^2/NDF: 7510.6/46

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: 1348.257+/-0.298 χ^2/NDF: 72248.8/23

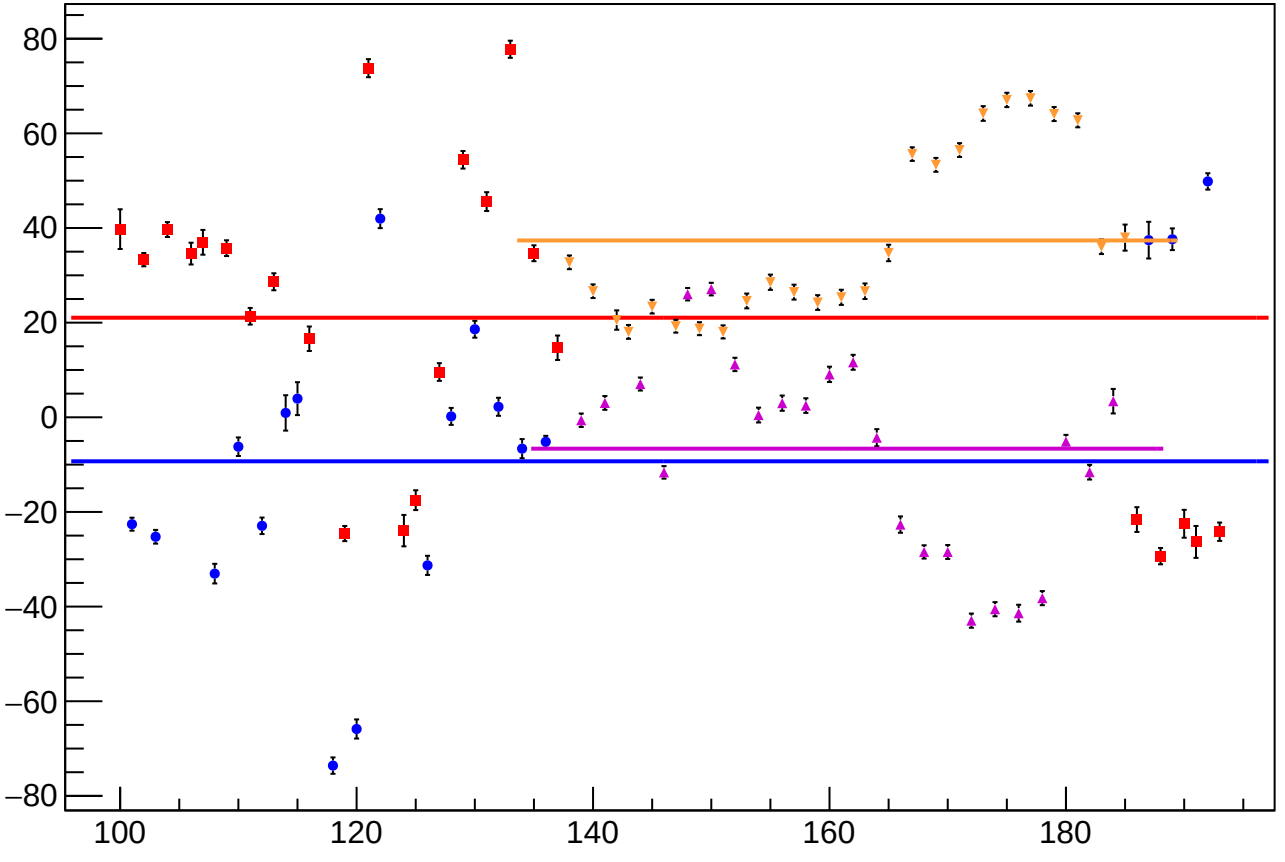
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1578.575+/-0.212 χ^2/NDF: 1114579.5/43

All: 1564.717+/-0.148 χ^2/NDF: 2356252.8/90

- sign 1551.421+/-0.208 χ^2/NDF: 1233292.8/46

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: 21.043+/-0.408 χ^2/NDF: 6147.1/23

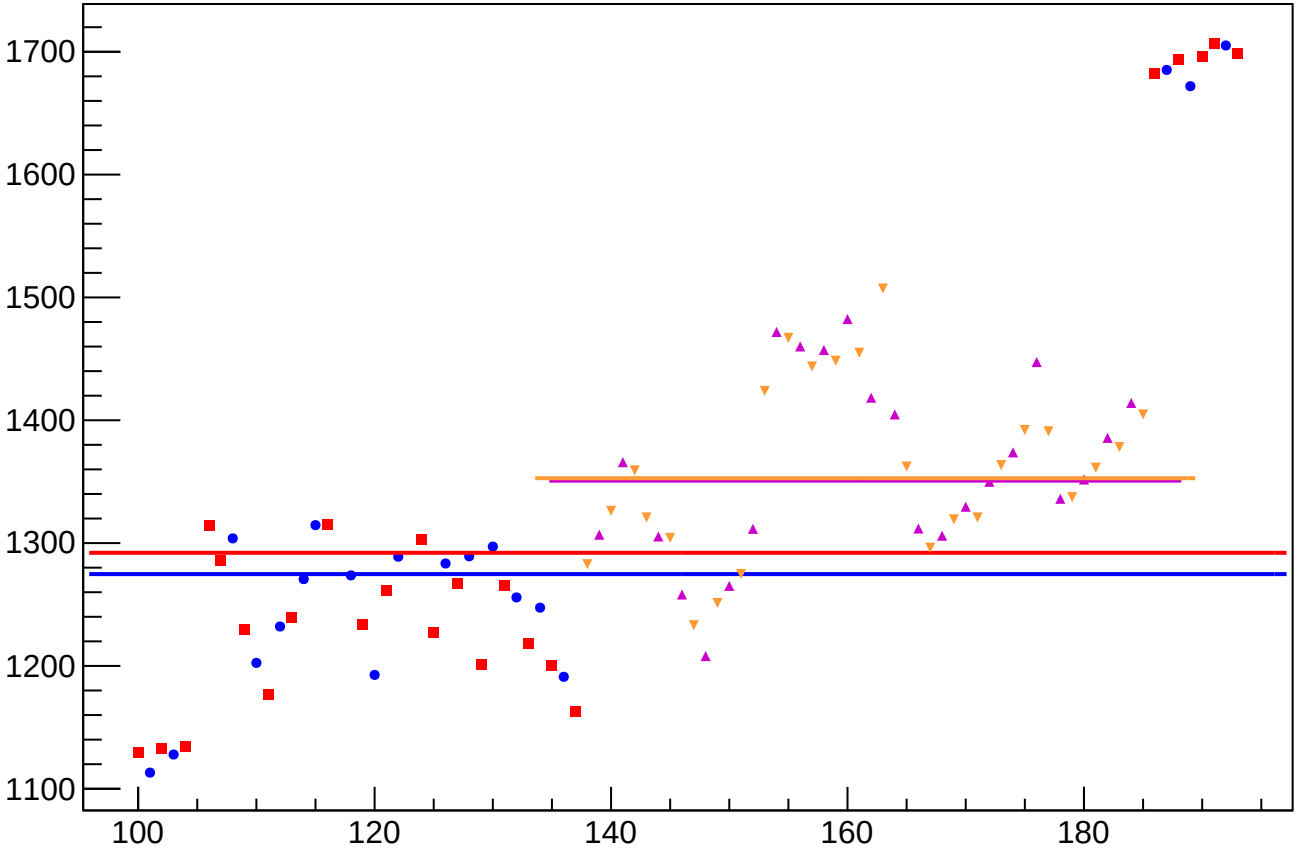
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 21.541+/-0.250 χ^2/NDF: 16606.3/43

All: 12.632+/-0.177 χ^2/NDF: 32570.8/90

- sign 3.757+/-0.250 χ^2/NDF: 13435.1/46

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: 1292.100+/-0.288 χ^2/NDF: 395394.0/23

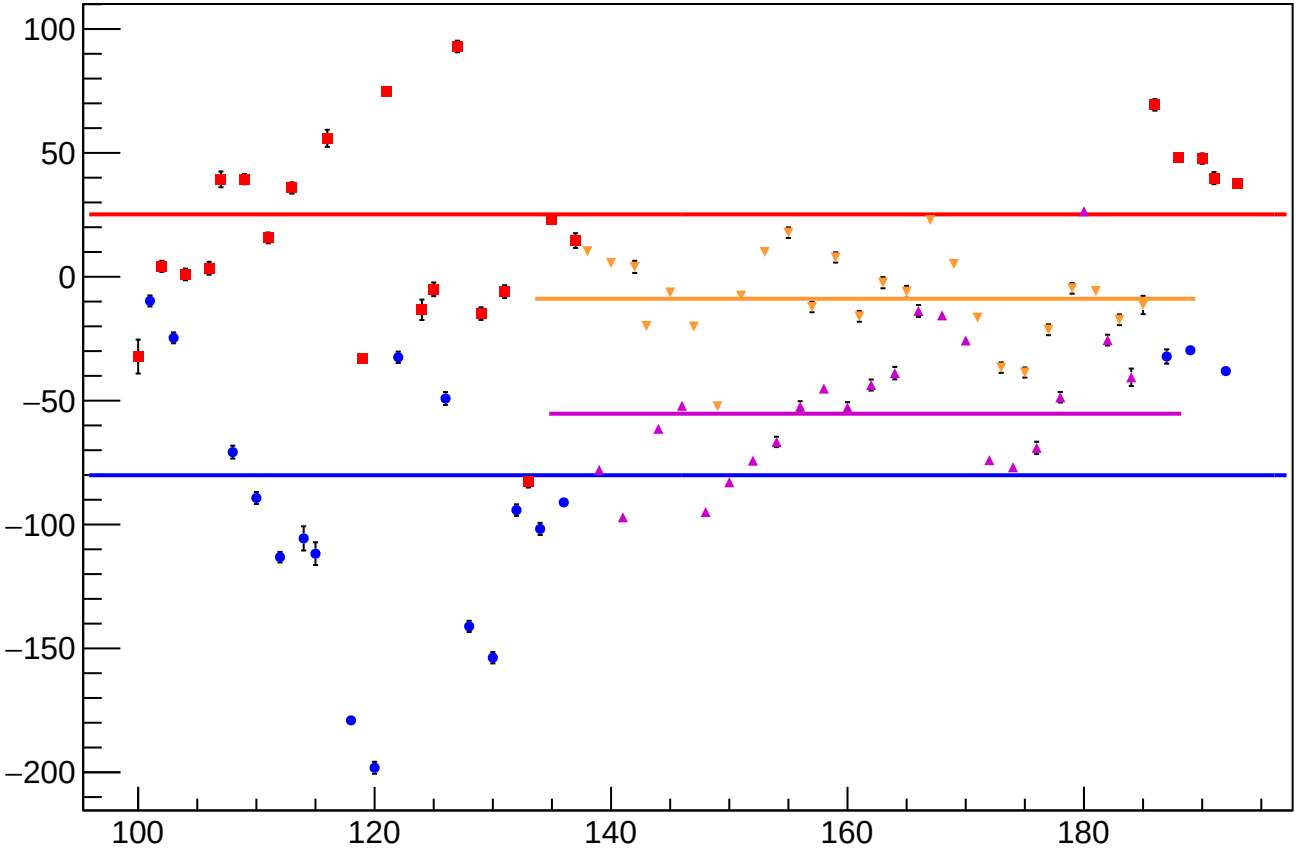
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1326.343+/-0.177 χ^2/NDF: 420466.8/43

All: 1327.566+/-0.125 χ^2/NDF: 950493.5/90

- sign 1328.785+/-0.177 χ^2/NDF: 529931.3/46

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: 25.179+/-0.456 χ^2/NDF: 6652.6/23

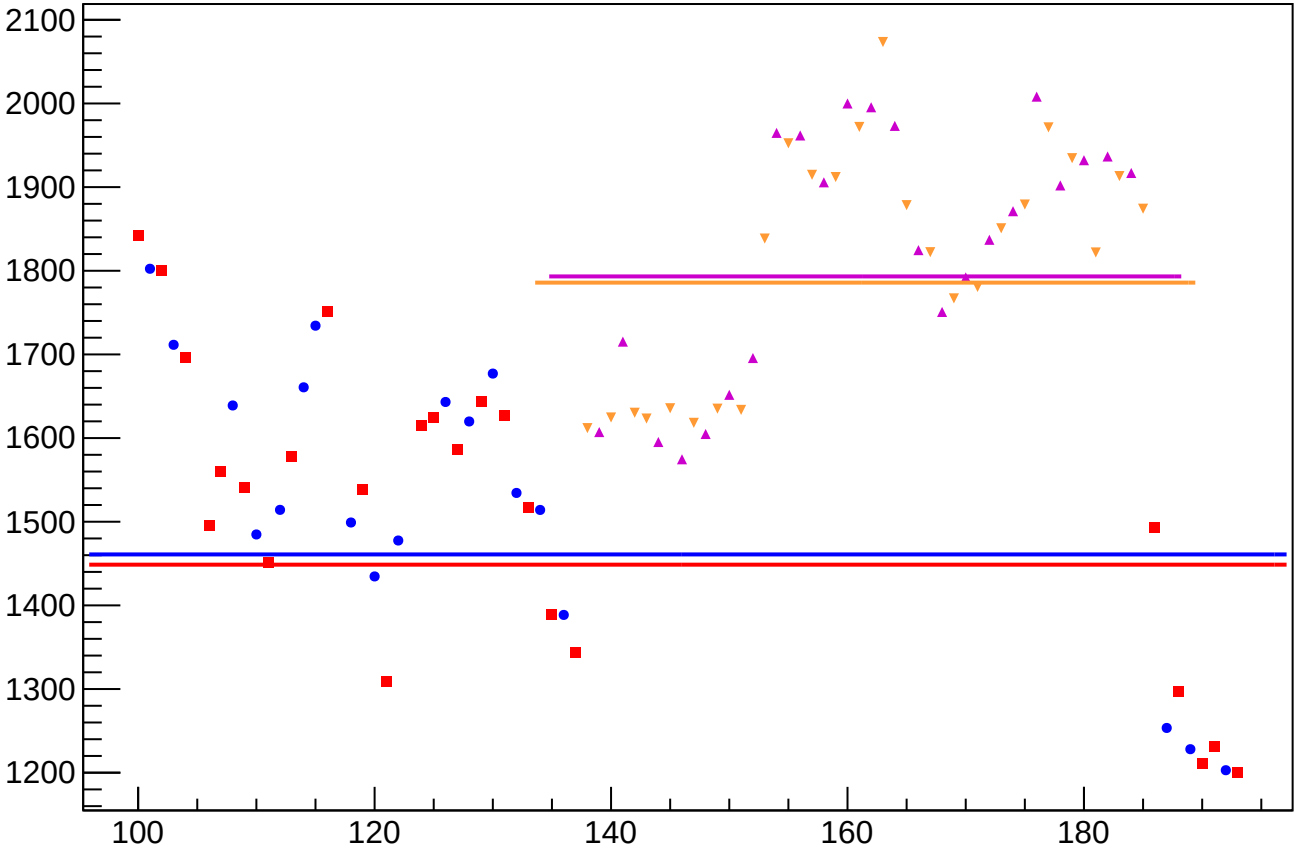
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -37.777+/-0.314 χ^2/NDF: 25932.4/43

All: -27.889+/-0.220 χ^2/NDF: 56099.1/90

- sign -18.295+/-0.309 χ^2/NDF: 28210.6/46

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: 1448.671+/-0.322 χ^2/NDF: 301923.2/23

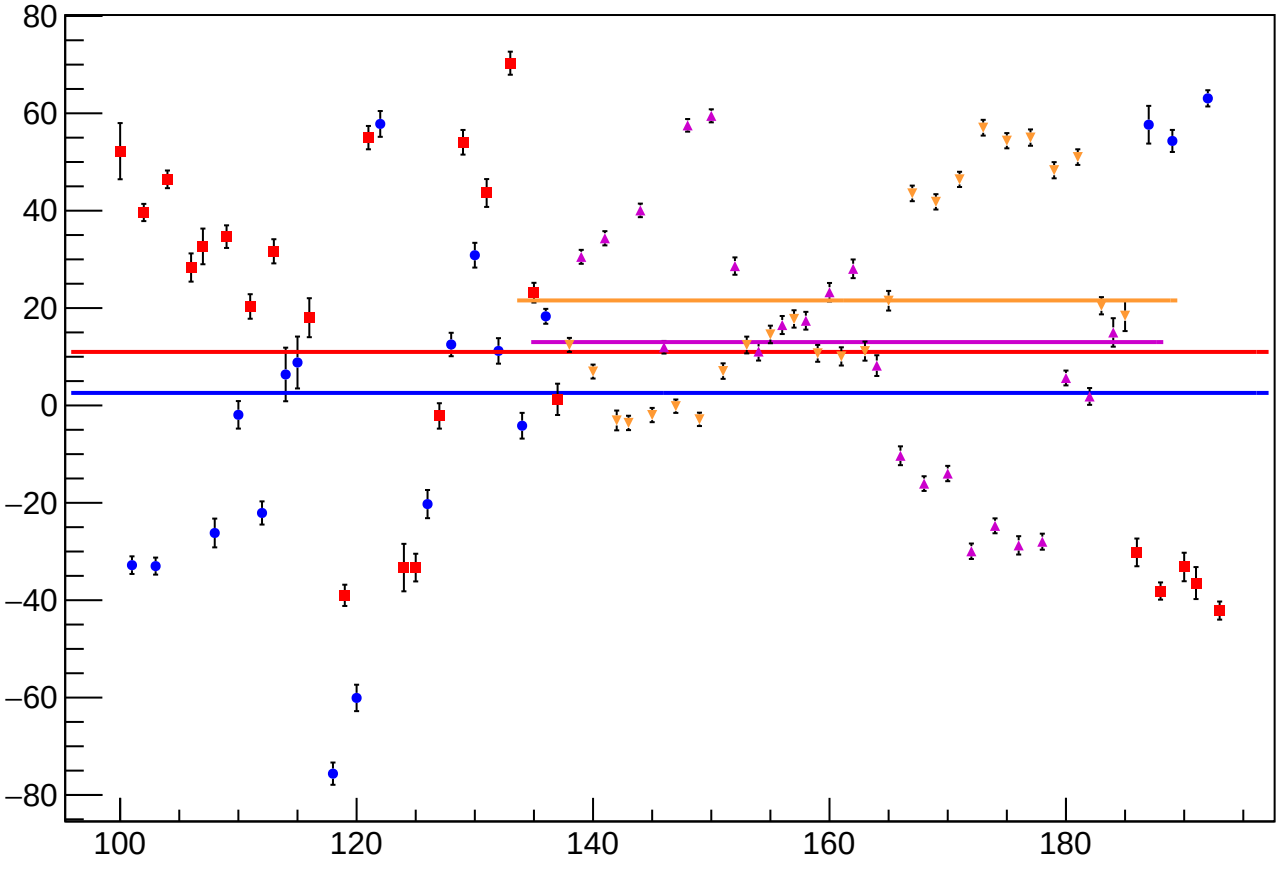
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1653.934+/-0.222 χ^2/NDF: 1032592.0/43

All: 1644.267+/-0.156 χ^2/NDF: 2208318.5/90

- sign 1634.888+/-0.219 χ^2/NDF: 1171987.2/46

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: 10.993+/-0.510 χ^2/NDF: 5492.8/23

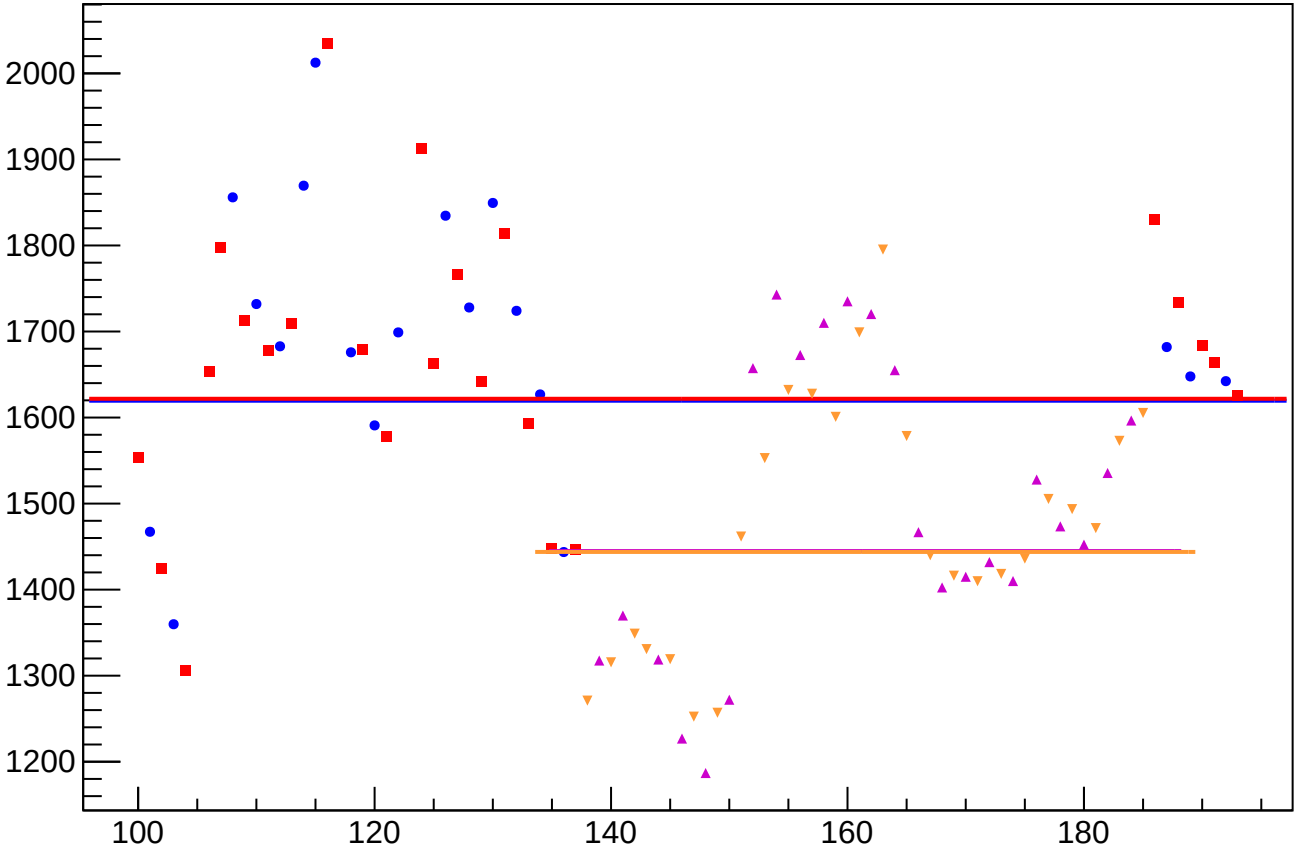
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 16.469+/-0.282 χ^2/NDF: 10556.4/43

All: 14.435+/-0.200 χ^2/NDF: 22791.6/90

- sign 12.391+/-0.283 χ^2/NDF: 12131.0/46

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: 1621.819+/-0.360 χ^2/NDF: 184450.2/23

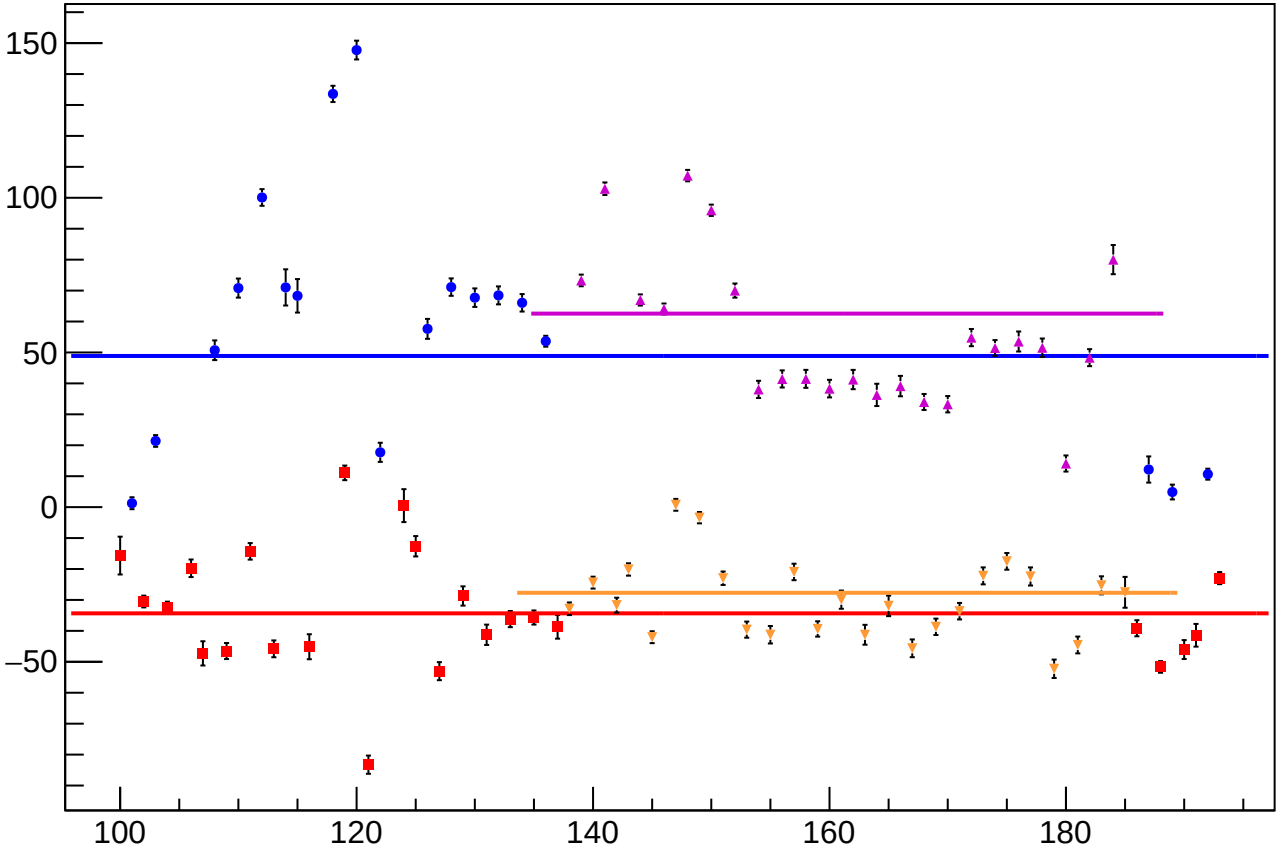
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1490.994+/-0.200 χ^2/NDF: 660862.9/43

All: 1495.159+/-0.141 χ^2/NDF: 1498361.5/90

- sign 1499.343+/-0.200 χ^2/NDF: 836625.3/46

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: -34.336+/-0.554 χ^2/NDF: 1080.3/23

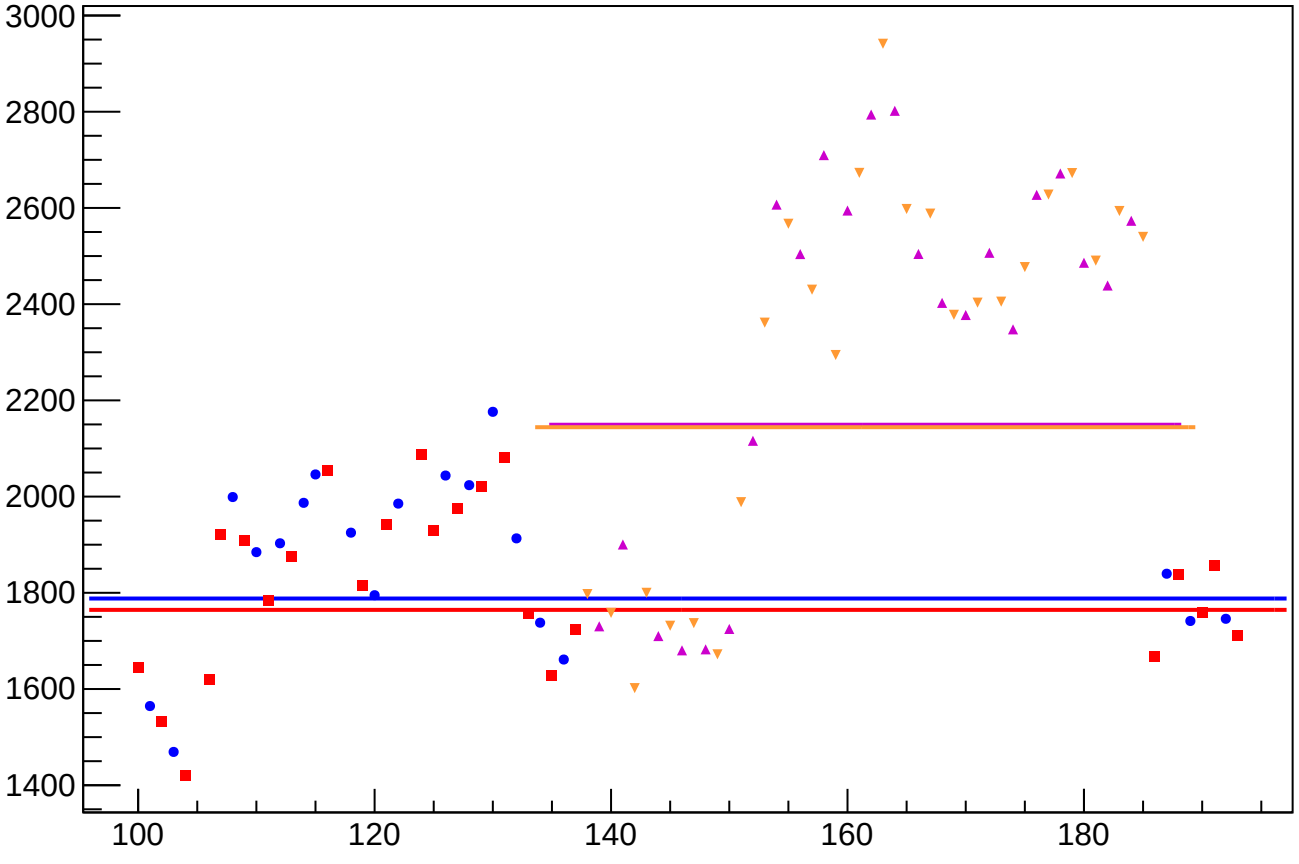
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 3.270+/-0.383 χ^2/NDF: 14937.6/43

All: 10.755+/-0.268 χ^2/NDF: 35721.0/90

- sign 17.978+/-0.376 χ^2/NDF: 20032.2/46

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: 1764.520+/-0.392 χ^2/NDF: 198542.7/23

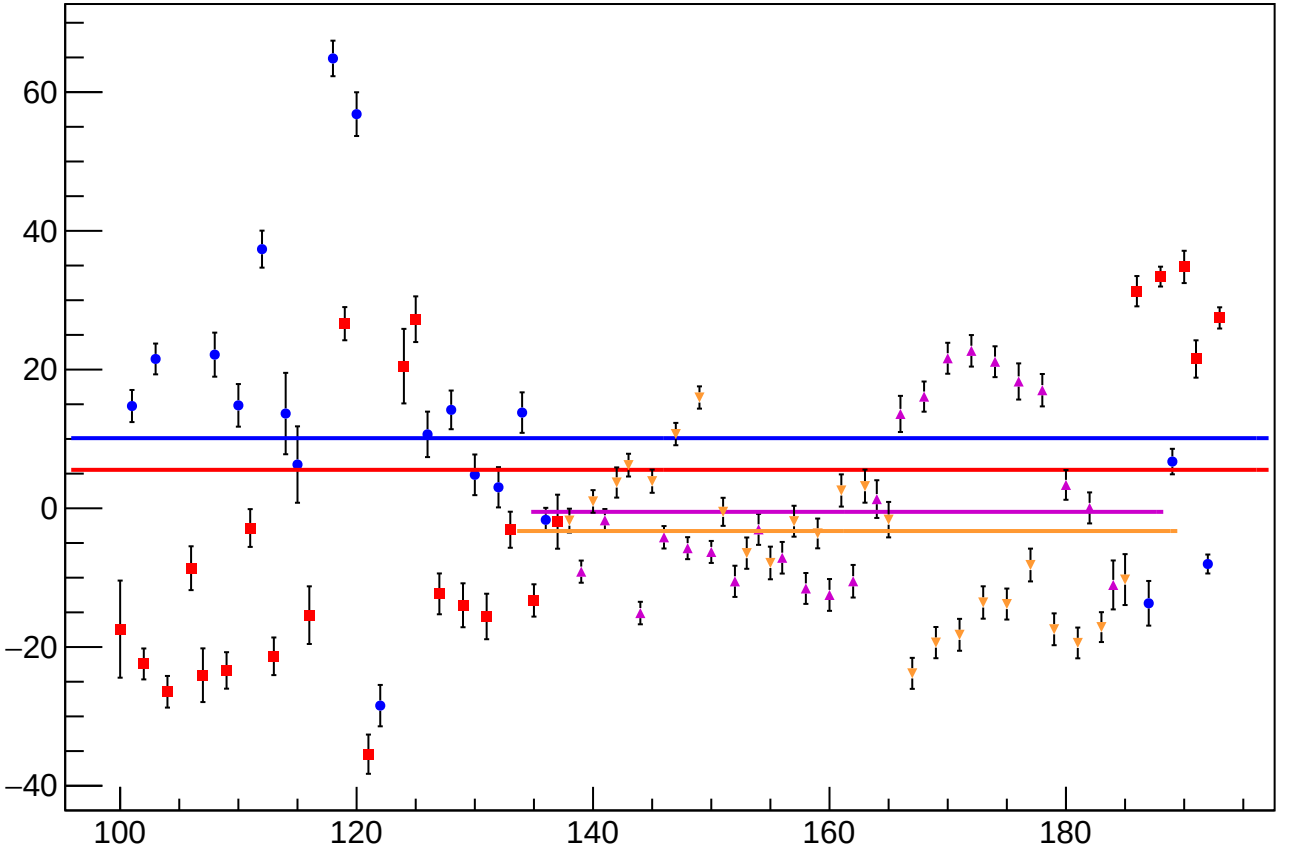
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 2000.199+/-0.271 χ^2/NDF: 1892416.2/43

All: 1985.997+/-0.190 χ^2/NDF: 3882458.7/90

- sign 1972.294+/-0.266 χ^2/NDF: 1984633.8/46

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: 5.547+/-0.525 χ^2/NDF: 2149.2/23

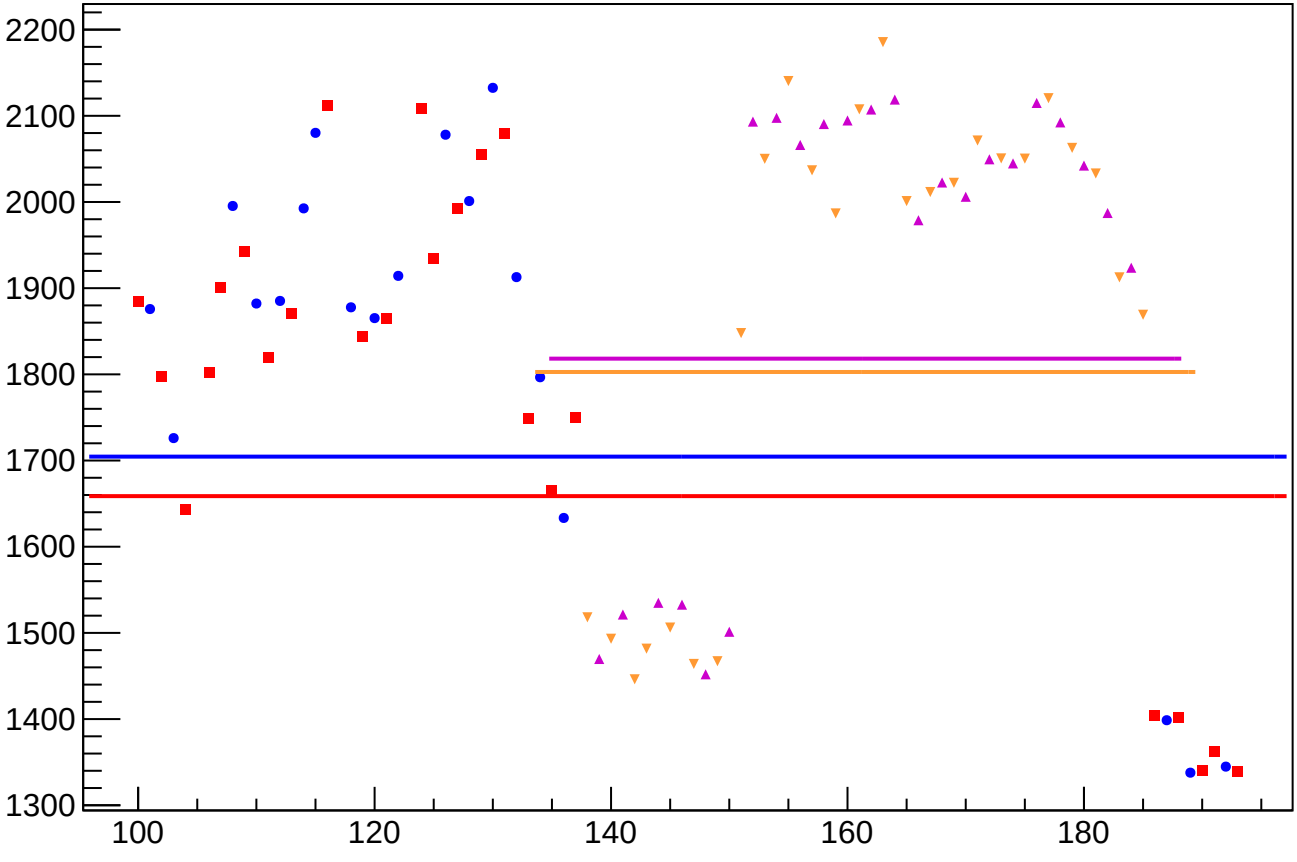
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 1.280+/-0.337 χ^2/NDF: 2315.0/43

All: 1.605+/-0.237 χ^2/NDF: 5291.6/90

- sign 1.922+/-0.332 χ^2/NDF: 2974.8/46

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: 1658.700+/-0.371 χ^2/NDF: 472208.6/23

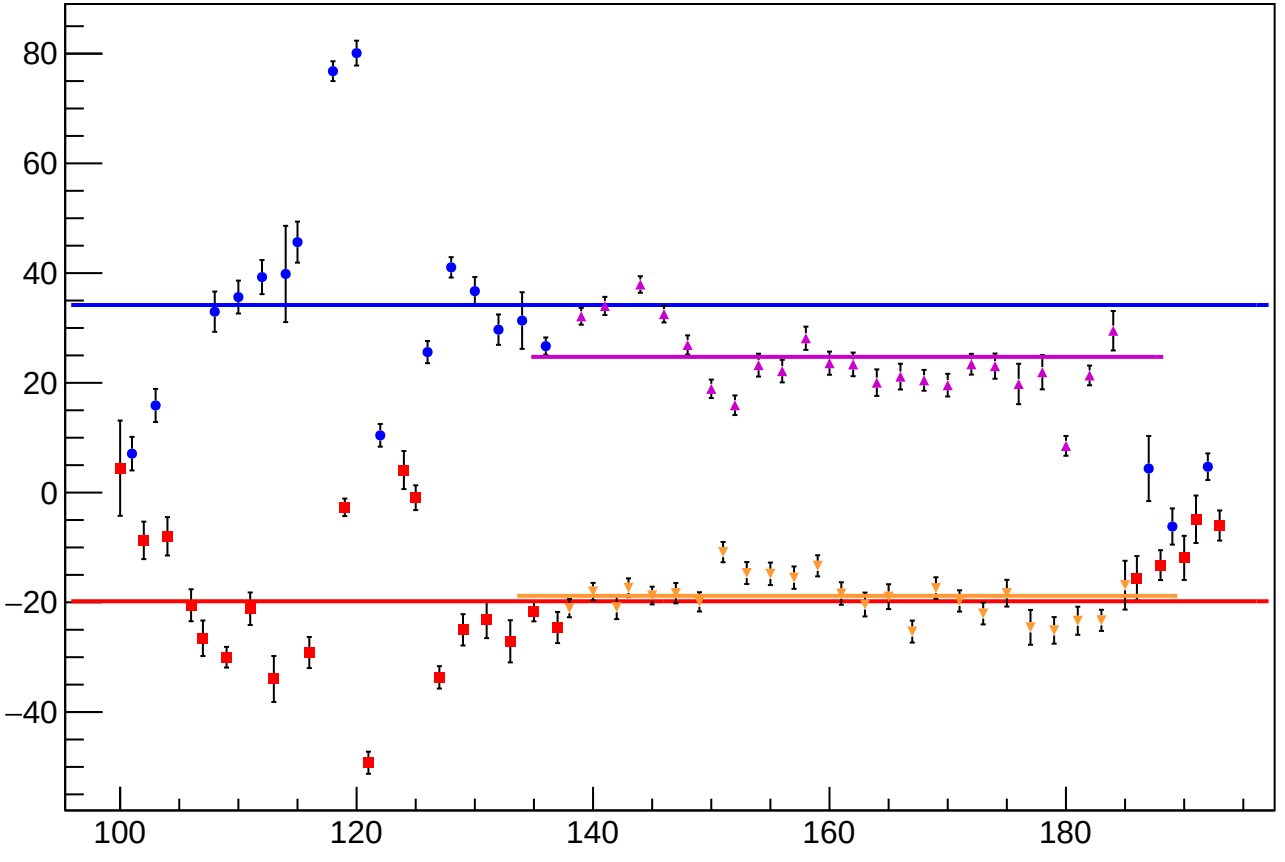
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1769.338+/-0.238 χ^2/NDF: 1360968.3/43

All: 1761.645+/-0.167 χ^2/NDF: 2786265.1/90

- sign 1754.151+/-0.235 χ^2/NDF: 1423237.1/46

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: -19.804+/-0.551 χ^2/NDF: 637.1/23

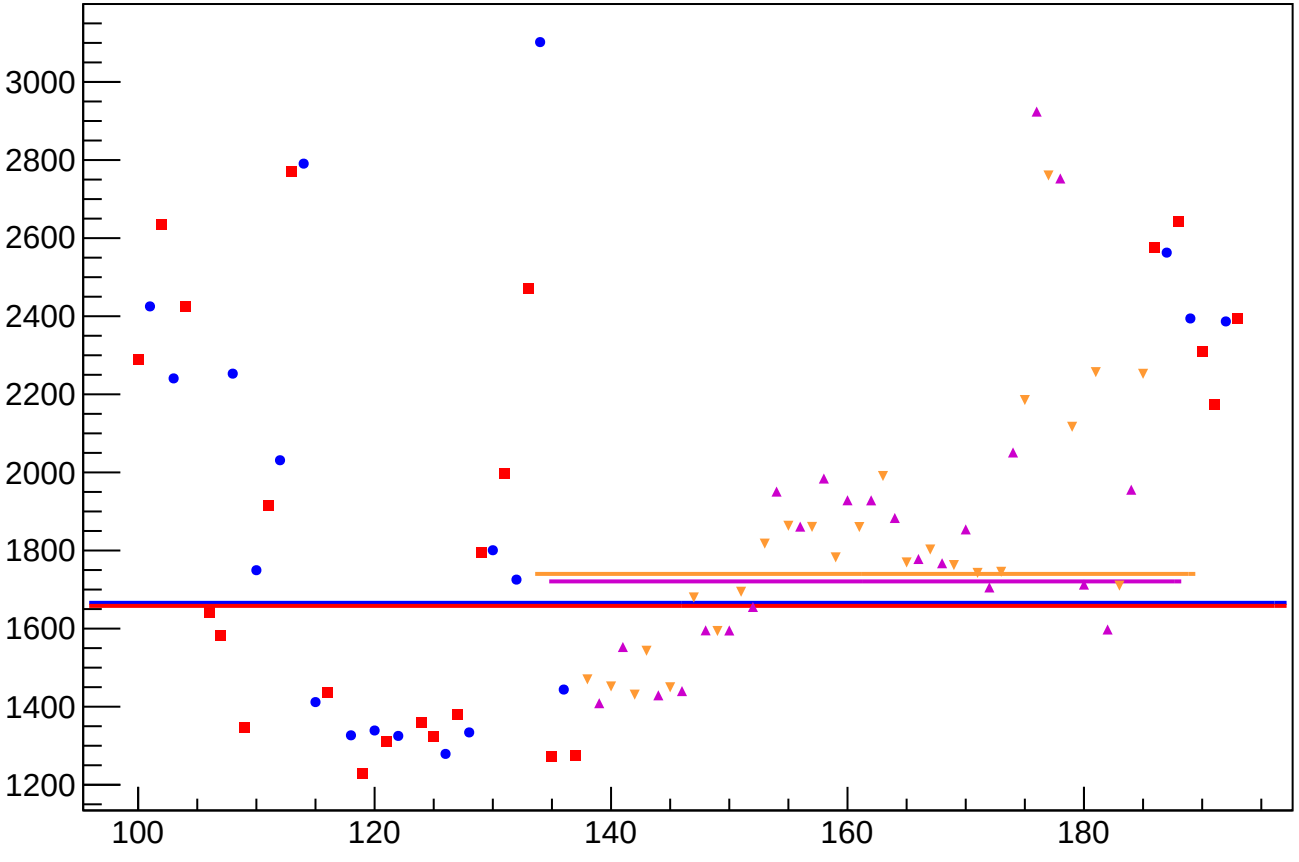
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

+ sign -2.022+/-0.332 χ^2/NDF: 7191.6/43

All: 3.520+/-0.234 χ^2/NDF: 12897.2/90

- sign 8.934+/-0.328 χ^2/NDF: 5155.4/46

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: 1658.196+/-0.390 χ^2/NDF: 1631026.8/23

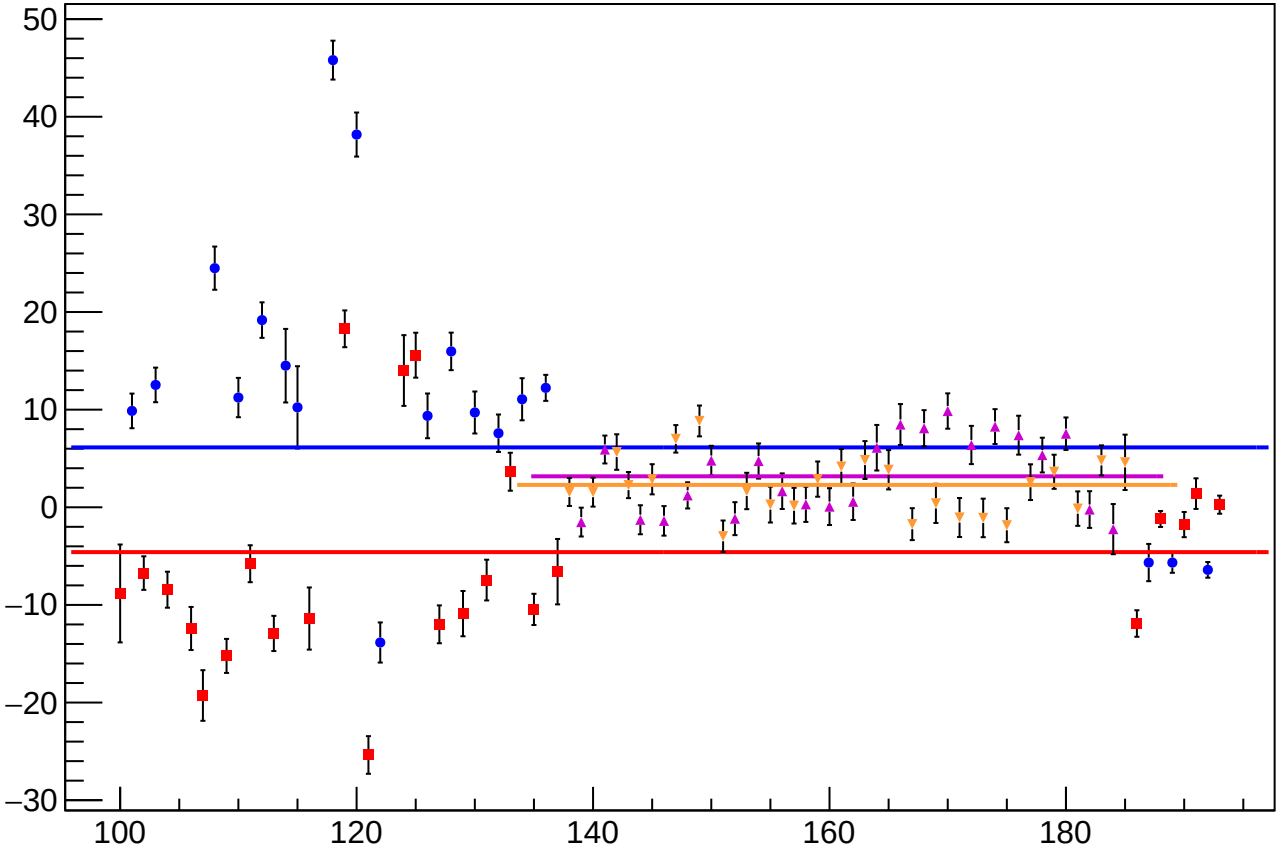
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1716.609+/-0.235 χ^2/NDF: 1916715.2/43

All: 1707.518+/-0.165 χ^2/NDF: 4451367.3/90

- sign 1698.636+/-0.232 χ^2/NDF: 2531690.7/46

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: -4.592+/-0.343 χ^2/NDF: 630.1/23

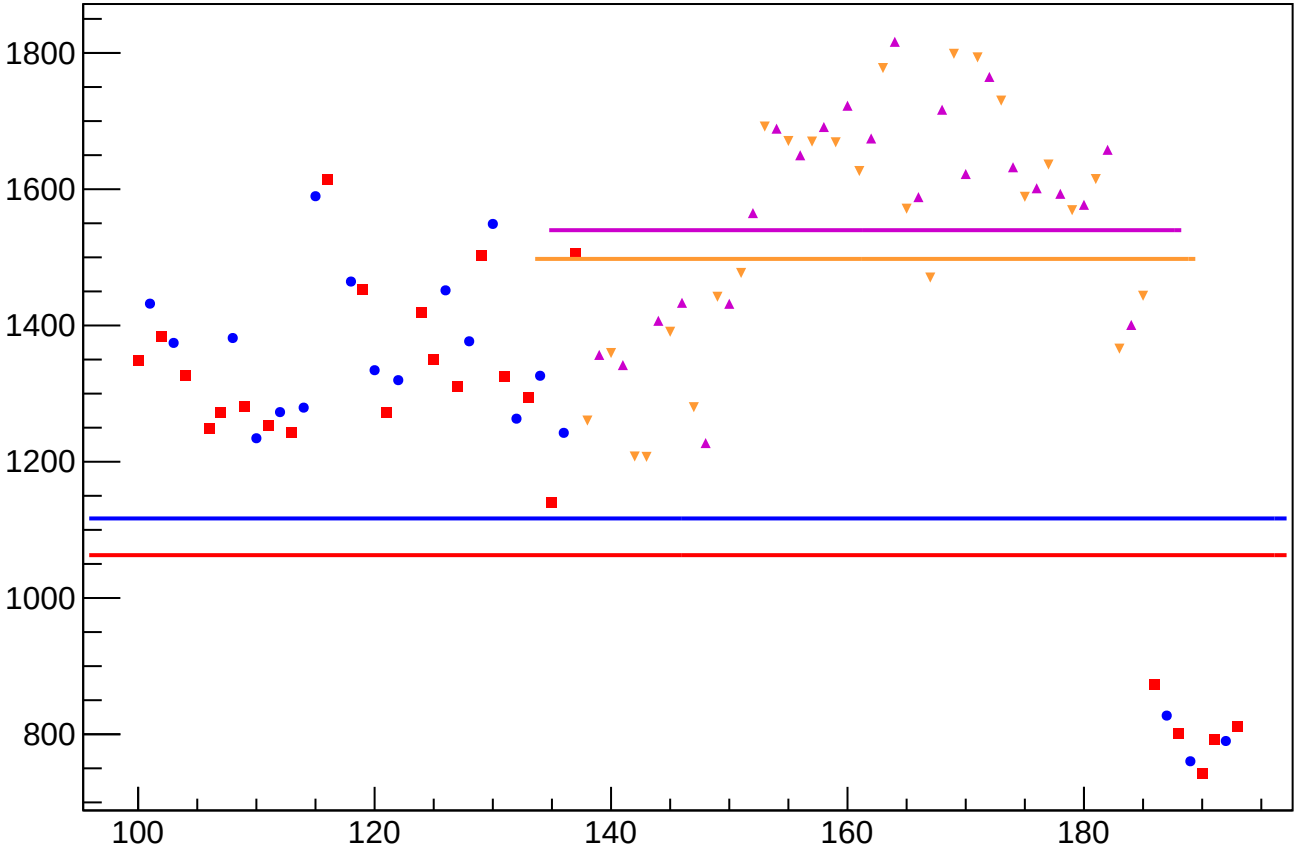
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 3.984+/-0.257 χ^2/NDF: 1438.5/43

All: 1.457+/-0.179 χ^2/NDF: 2608.6/90

- sign -0.920+/-0.249 χ^2/NDF: 982.4/46

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

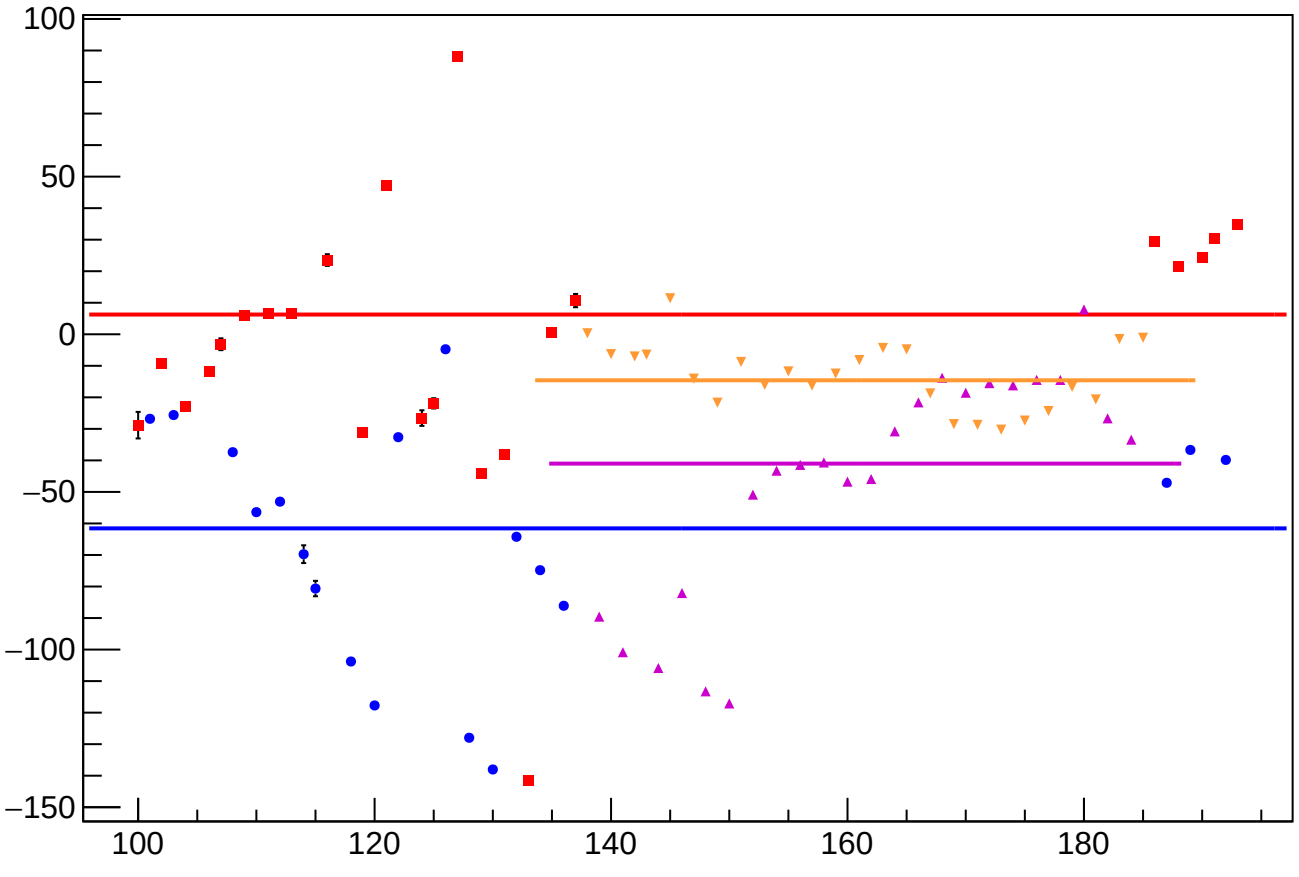
Right Out: 1062.891+/-0.243 χ^2/NDF: 1213191.0/23

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1329.955+/-0.182 χ^2/NDF: 2753788.0/43

All: 1308.560+/-0.126 χ^2/NDF: 6200366.9/90

- sign 1288.431+/-0.176 χ^2/NDF: 3419664.6/46



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: 6.260+/-0.258 χ^2/NDF: 24428.7/23

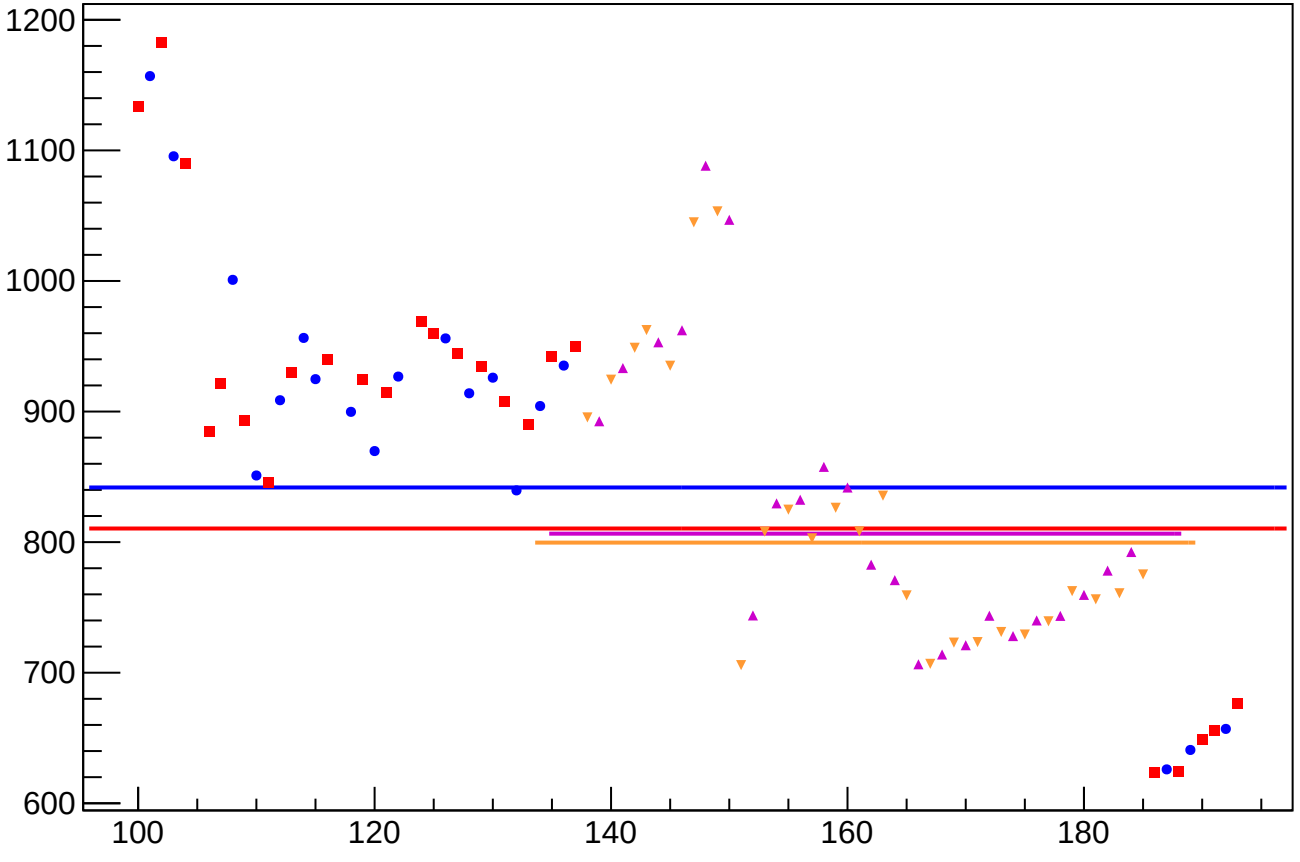
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -28.224+/-0.154 χ^2/NDF: 37340.7/43

All: -26.309+/-0.109 χ^2/NDF: 114929.0/90

- sign -24.425+/-0.153 χ^2/NDF: 77282.1/46

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: 810.429+/-0.182 χ^2/NDF: 764961.2/23

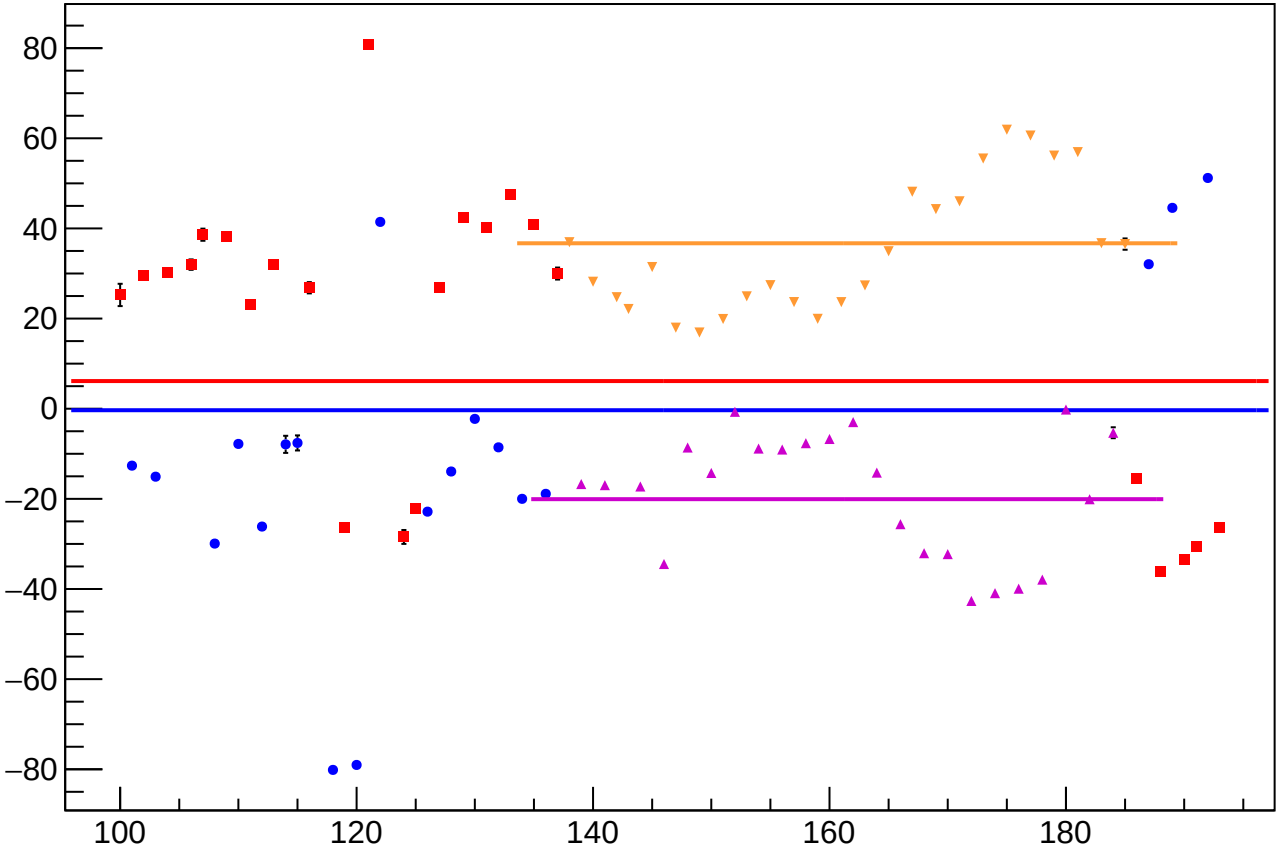
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 811.889+/-0.109 χ^2/NDF: 1084779.8/43

All: 809.861+/-0.077 χ^2/NDF: 2362027.0/90

- sign 807.865+/-0.108 χ^2/NDF: 1276560.2/46

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: 6.133+/-0.180 χ^2/NDF: 38103.9/23

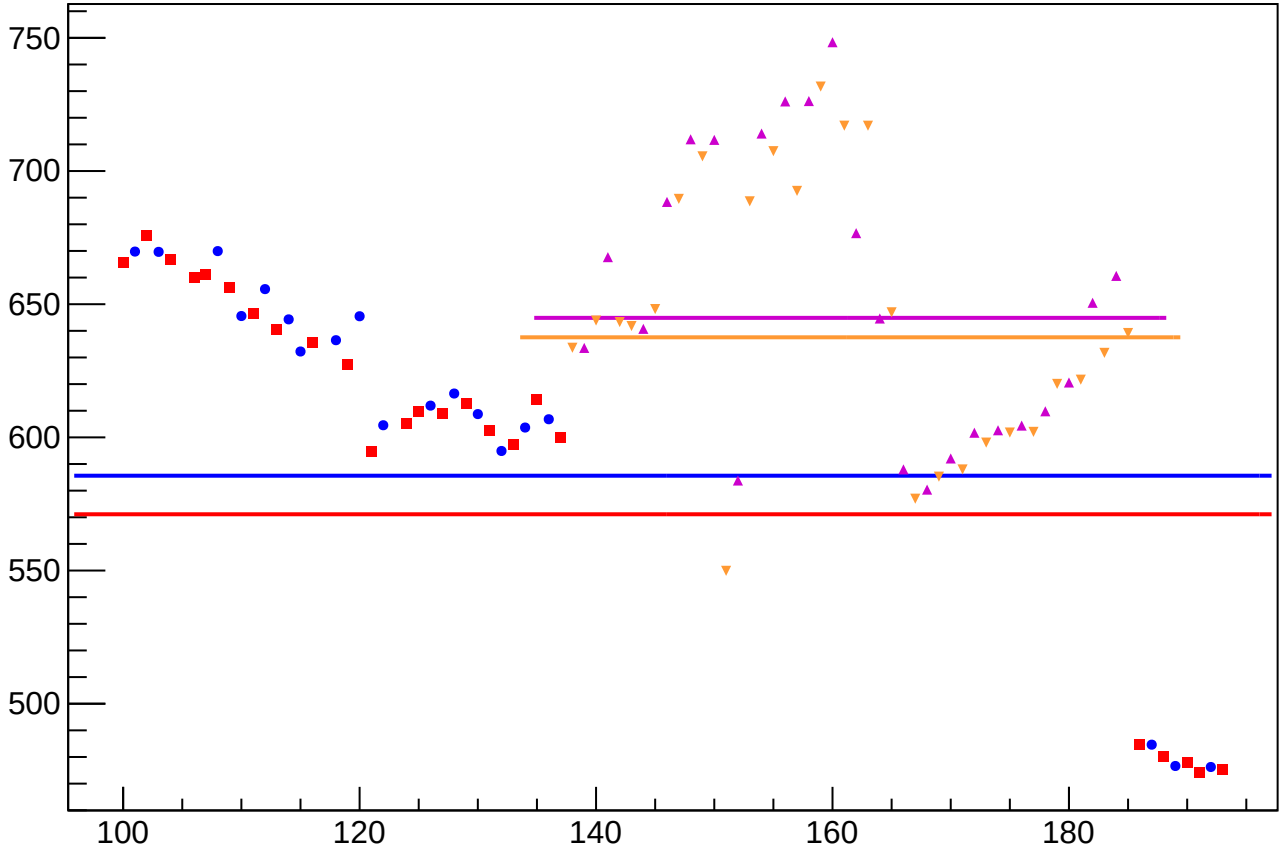
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 23.669+/-0.117 χ^2/NDF: 69928.0/43

All: 7.040+/-0.082 χ^2/NDF: 168925.1/90

- sign -9.223+/-0.116 χ^2/NDF: 59090.2/46

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: 571.130+/-0.127 χ^2/NDF: 360013.0/23

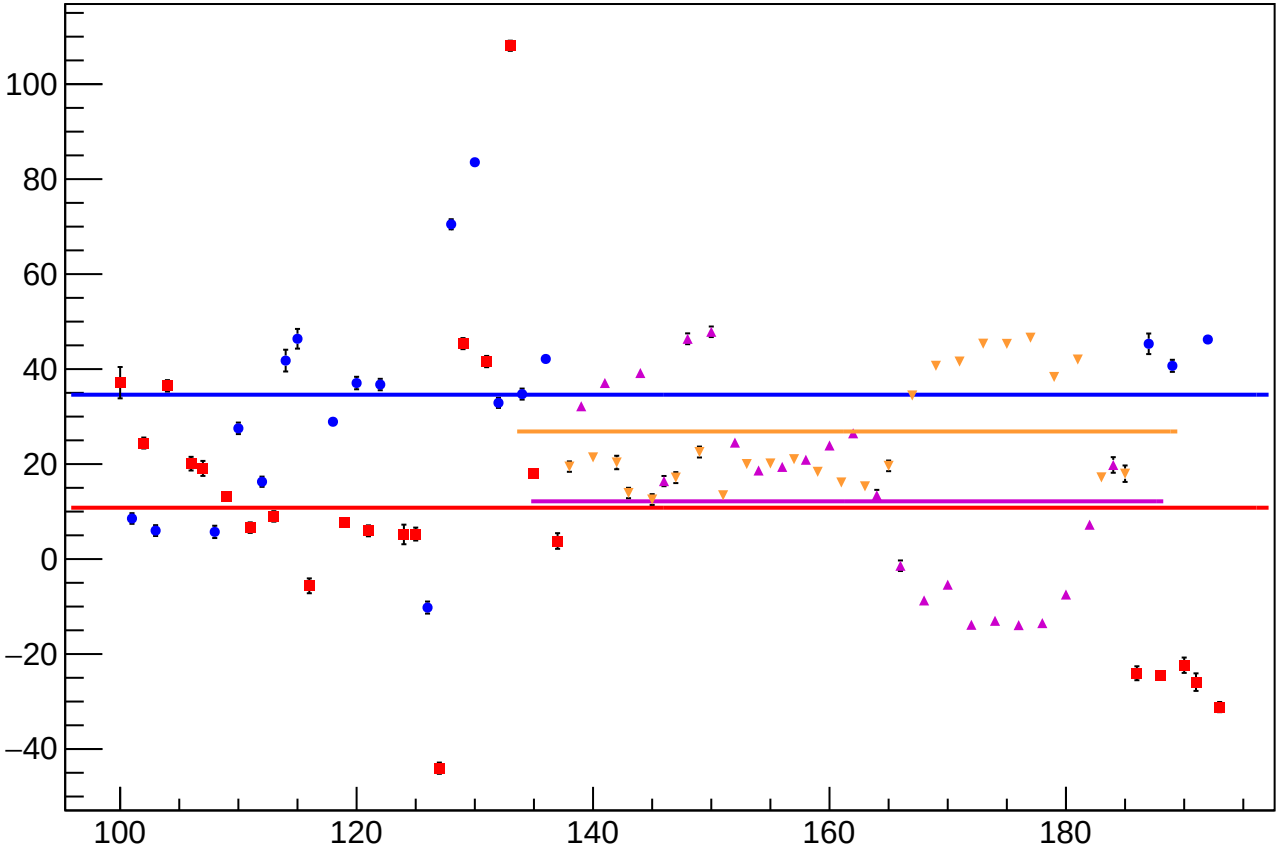
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 619.283+/-0.083 χ^2/NDF: 596894.5/43

All: 616.788+/-0.058 χ^2/NDF: 1385093.5/90

- sign 614.348+/-0.082 χ^2/NDF: 786402.4/46

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: 10.813+/-0.255 χ^2/NDF: 17237.4/23

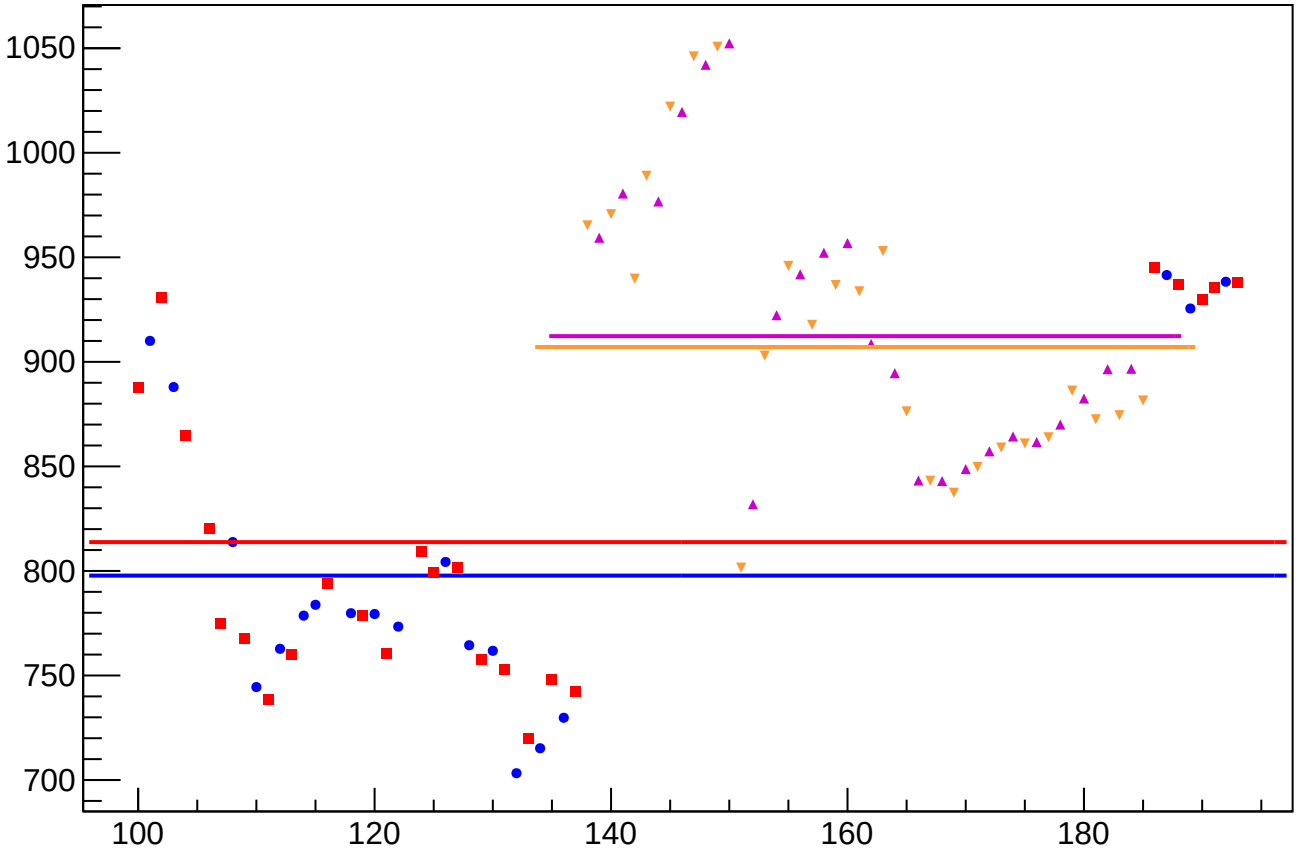
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 29.753+/-0.164 χ^2/NDF: 10839.8/43

All: 20.690+/-0.116 χ^2/NDF: 42780.0/90

- sign 11.605+/-0.164 χ^2/NDF: 25800.7/46

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: 813.784+/-0.181 χ^2/NDF: 183890.9/23

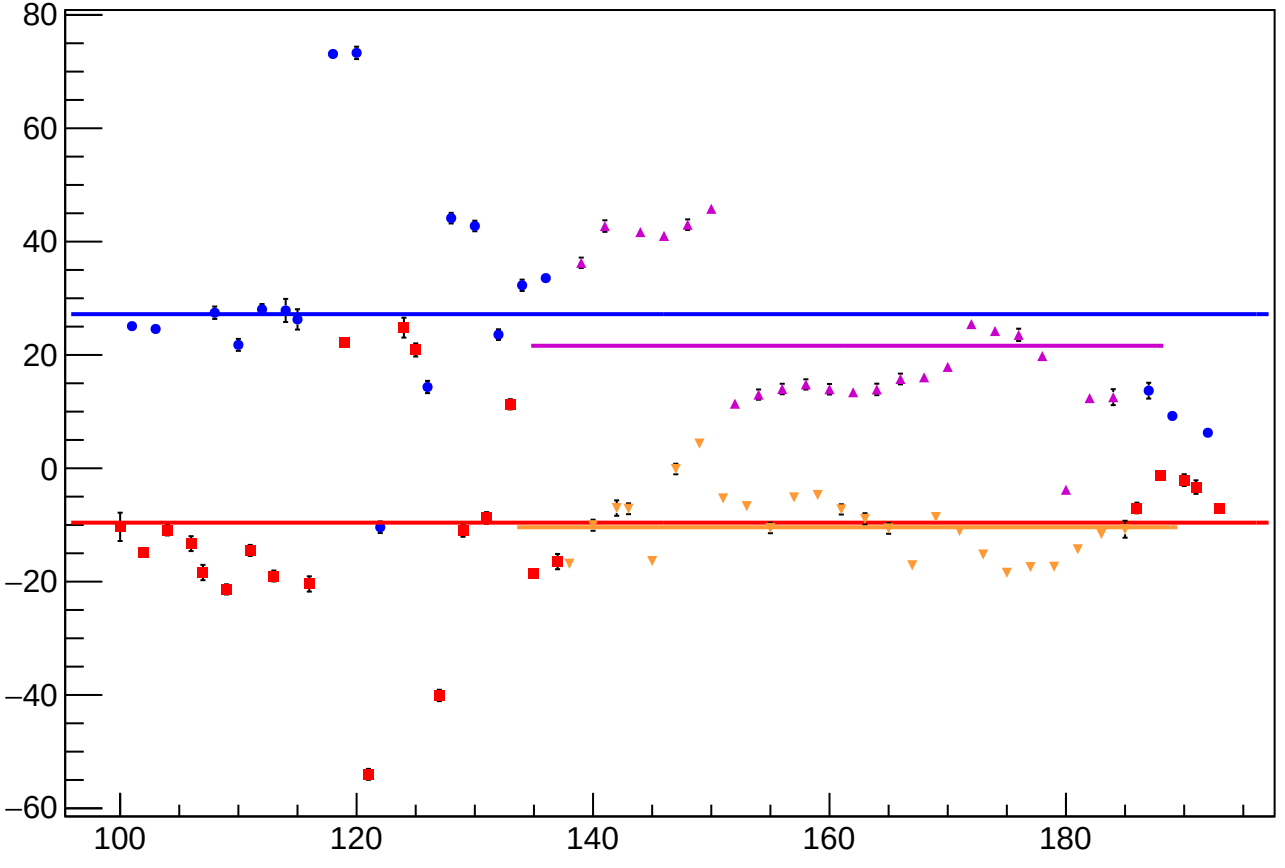
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 866.333+/-0.116 χ^2/NDF: 562209.9/43

All: 869.026+/-0.082 χ^2/NDF: 1096985.9/90

- sign 871.725+/-0.116 χ^2/NDF: 533691.8/46

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: -9.593+/-0.201 χ^2/NDF: 6937.2/23

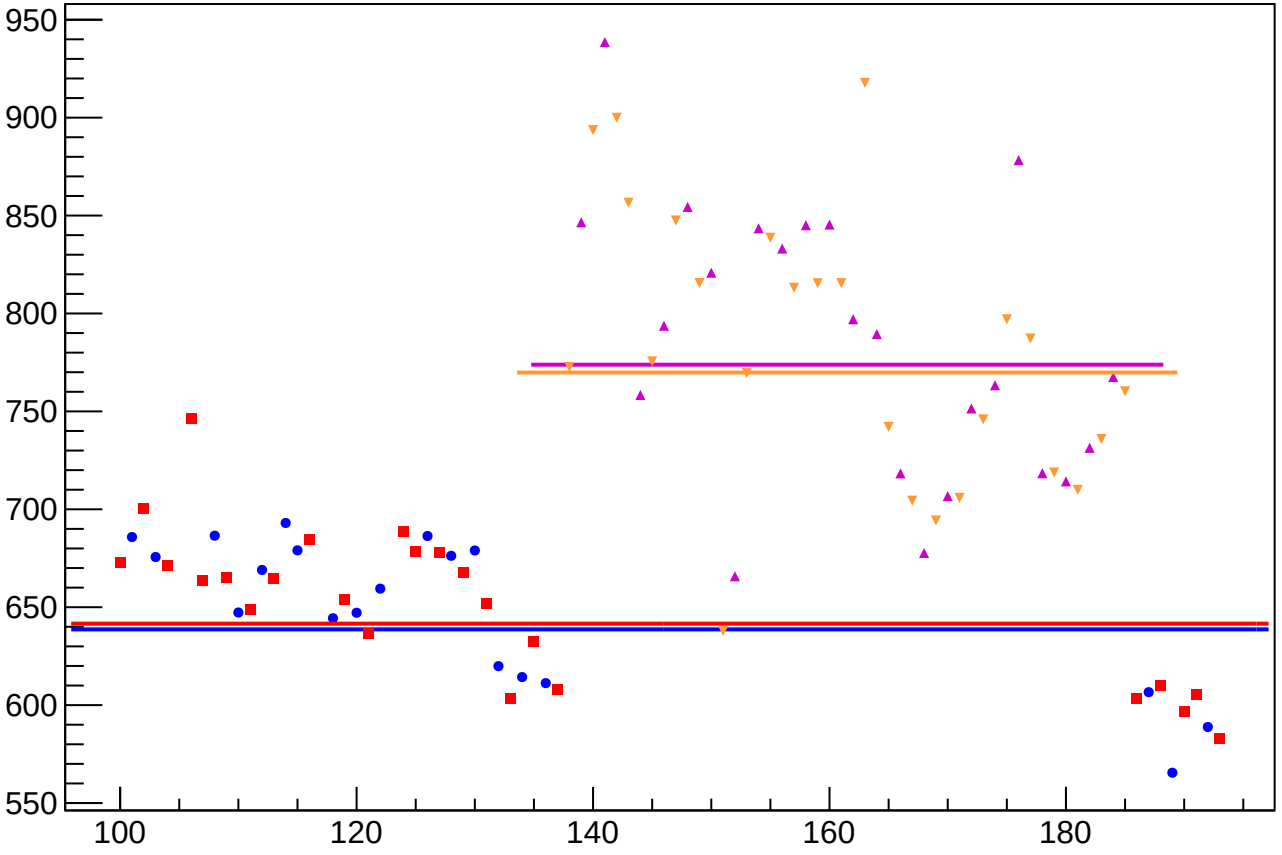
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 4.748+/-0.136 χ^2/NDF: 28068.6/43

All: 6.163+/-0.096 χ^2/NDF: 53727.6/90

- sign 7.554+/-0.135 χ^2/NDF: 25444.5/46

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: 641.598+/-0.142 χ^2/NDF: 71840.3/23

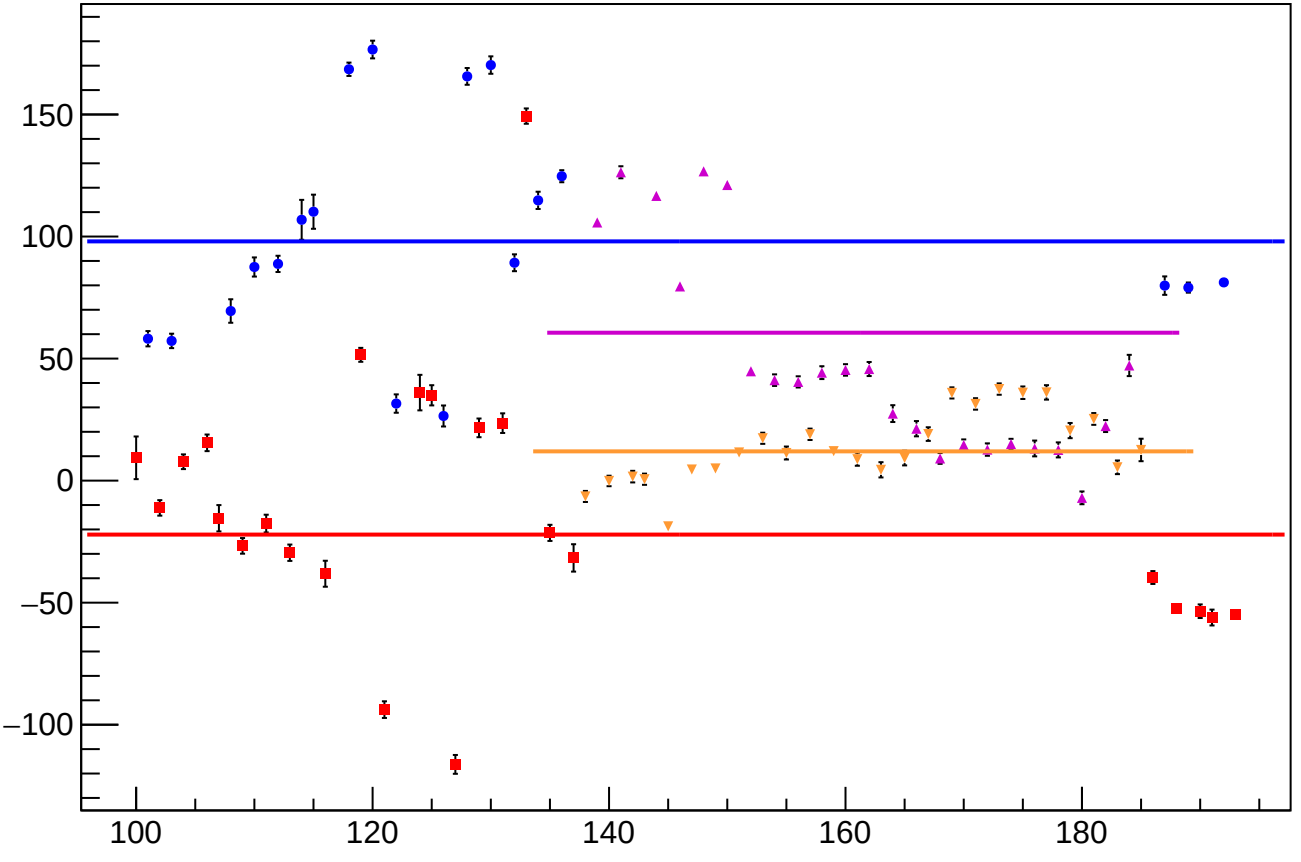
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 716.987+/-0.096 χ^2/NDF: 820319.2/43

All: 715.604+/-0.068 χ^2/NDF: 1651659.6/90

- sign 714.244+/-0.095 χ^2/NDF: 830930.0/46

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: -22.108+/-0.647 χ^2/NDF: 6414.8/23

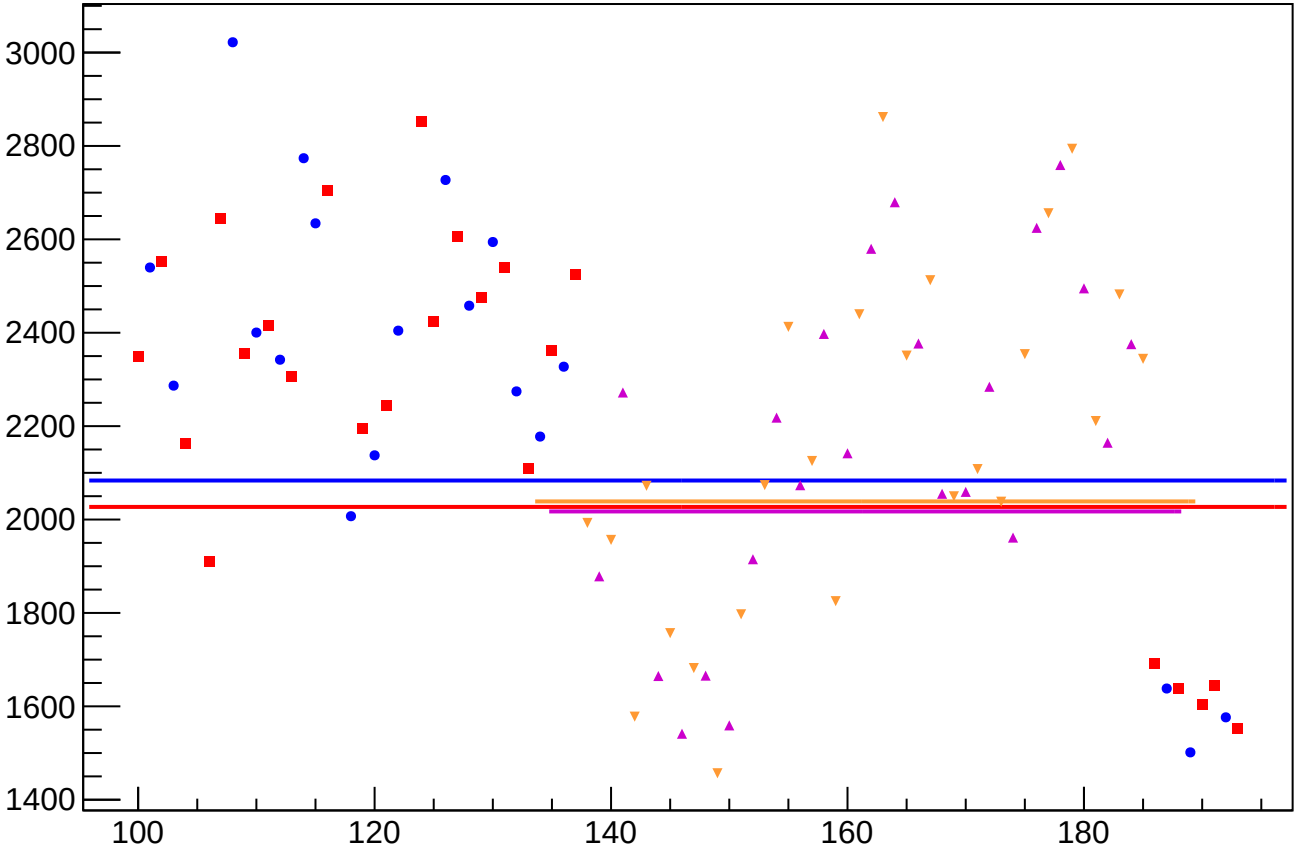
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 38.146+/-0.393 χ^2/NDF: 14354.1/43

All: 34.585+/-0.275 χ^2/NDF: 40096.1/90

- sign 31.157+/-0.386 χ^2/NDF: 25581.2/46

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: 2027.026+/-0.457 χ^2/NDF: 738725.1/23

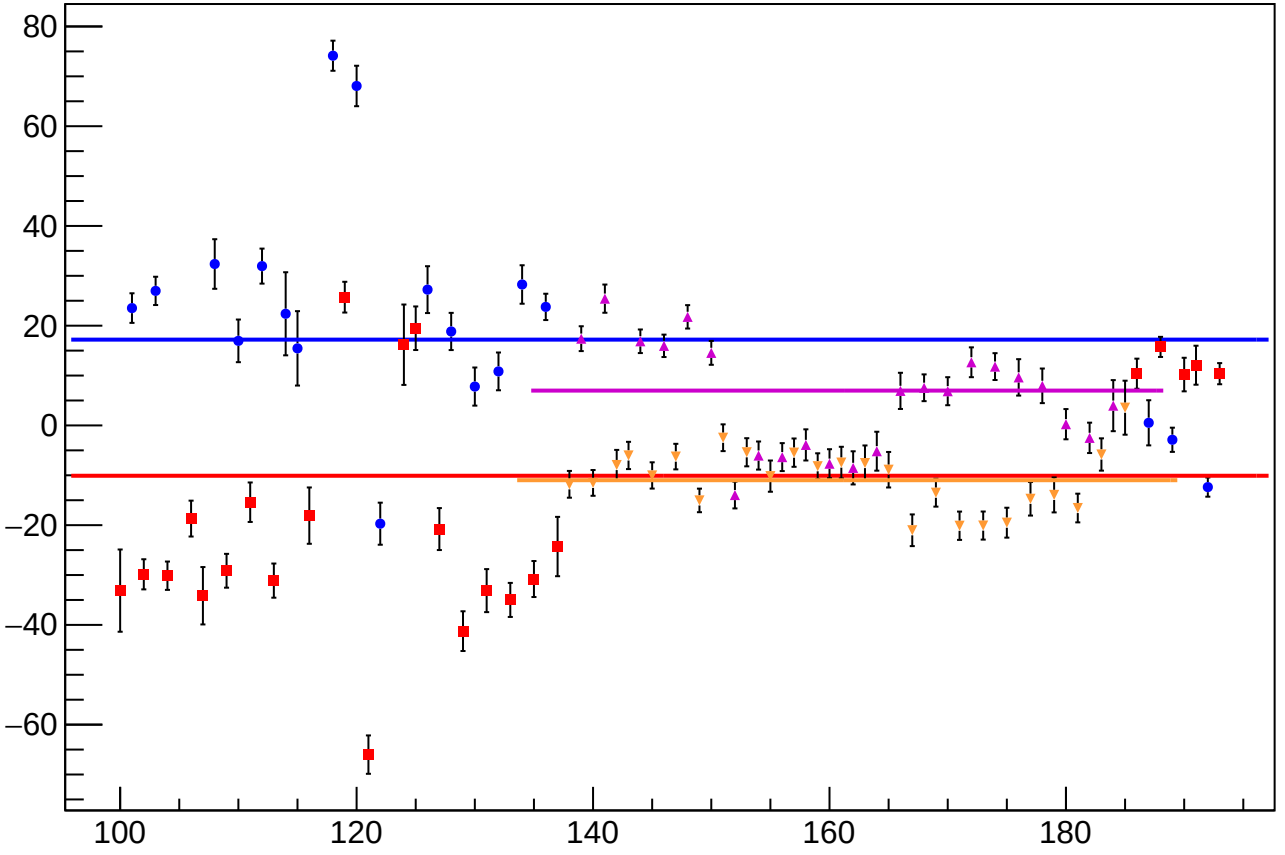
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 2052.400+/-0.278 χ^2/NDF: 1845540.1/43

All: 2036.288+/-0.195 χ^2/NDF: 3641182.3/90

- sign 2020.780+/-0.273 χ^2/NDF: 1789057.9/46

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: -10.093+/-0.714 χ^2/NDF: 1159.1/23

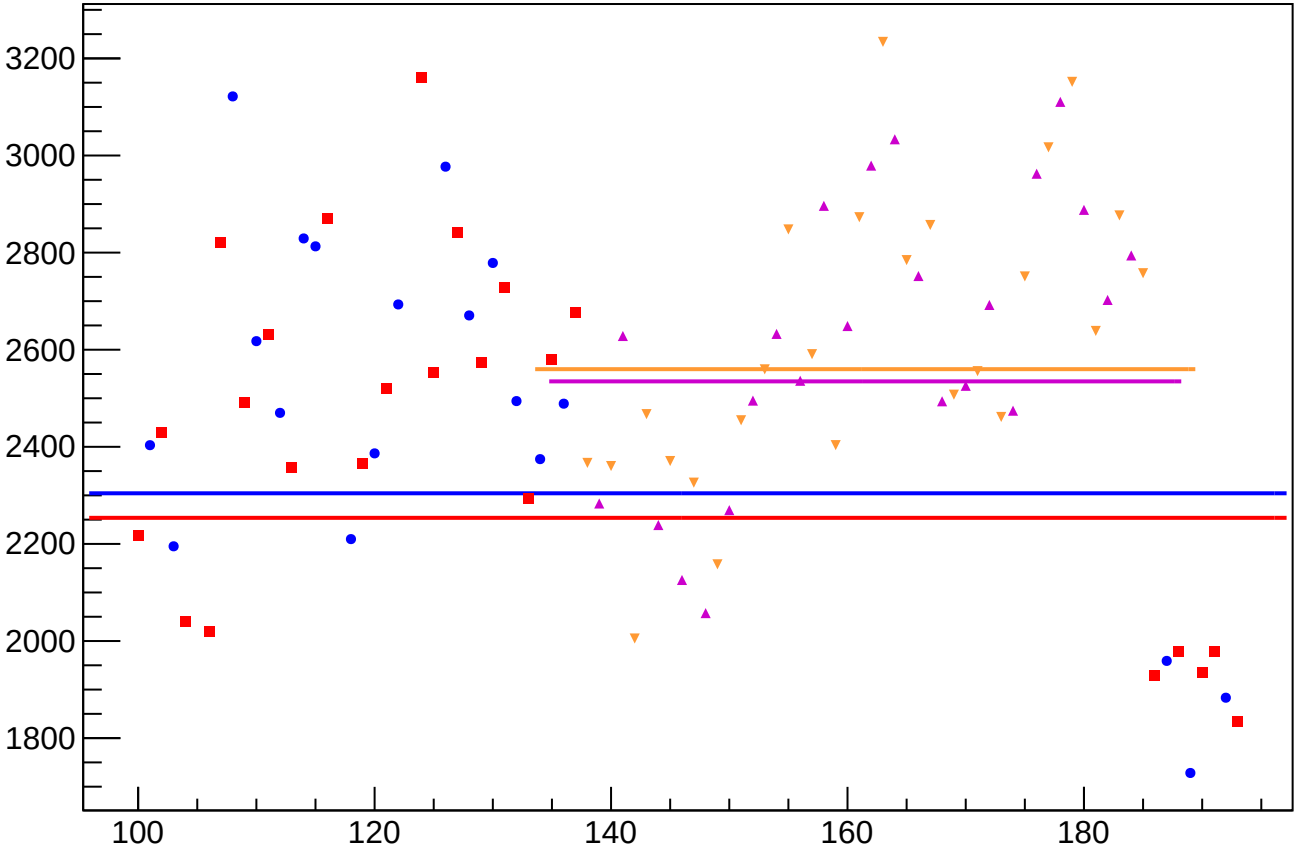
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

\+ sign -0.879+/-0.469 χ^2/NDF: 1897.1/43

All: -0.459+/-0.328 χ^2/NDF: 3733.1/90

\- sign -0.058+/-0.459 χ^2/NDF: 1834.4/46

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: 2253.741+/-0.505 χ^2/NDF: 416653.5/23

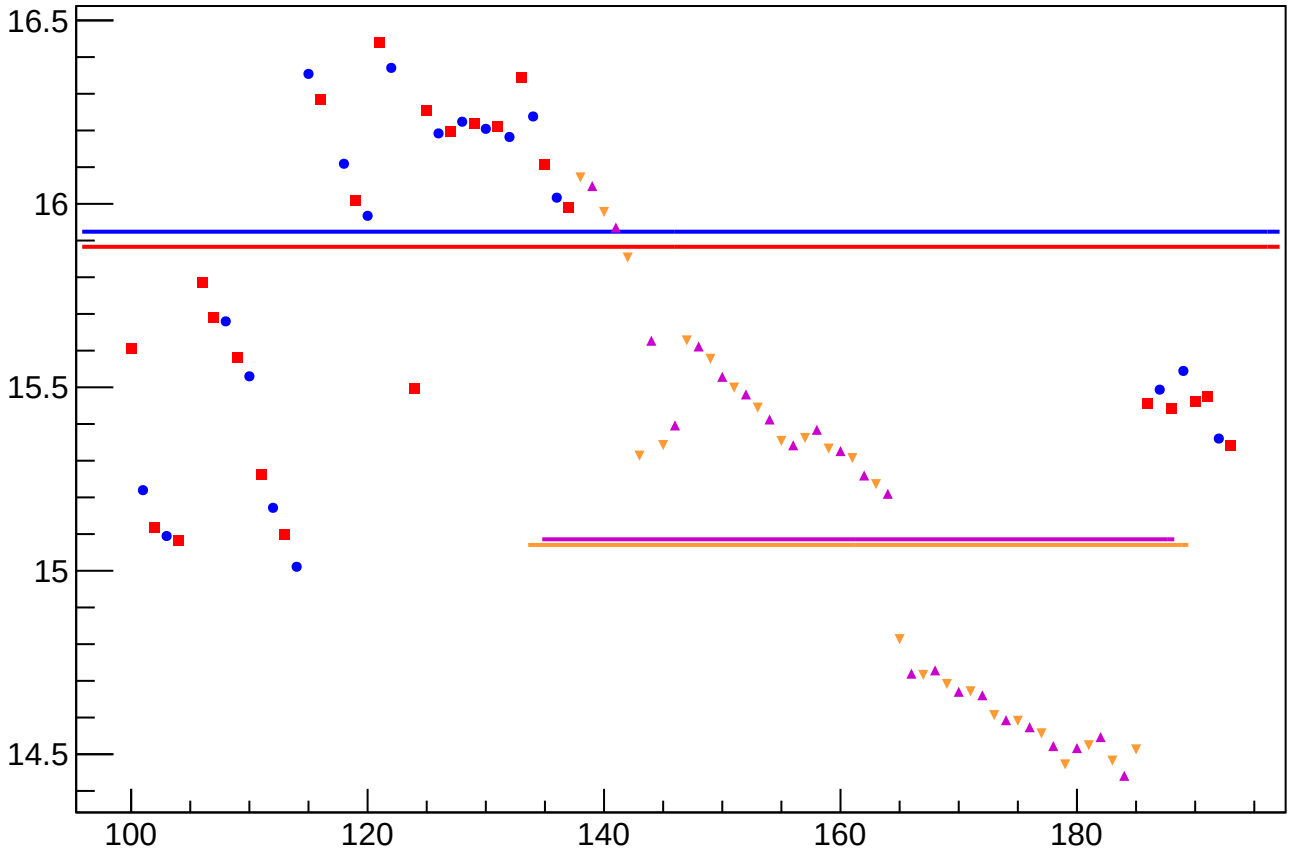
Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2468.275+/-0.332 χ^2/NDF: 1024880.6/43

All: 2443.018+/-0.232 χ^2/NDF: 2098379.6/90

- sign 2418.878+/-0.324 χ^2/NDF: 1062167.1/46

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: 15.883+/-0.000 χ^2/NDF: 6815038683.1/23

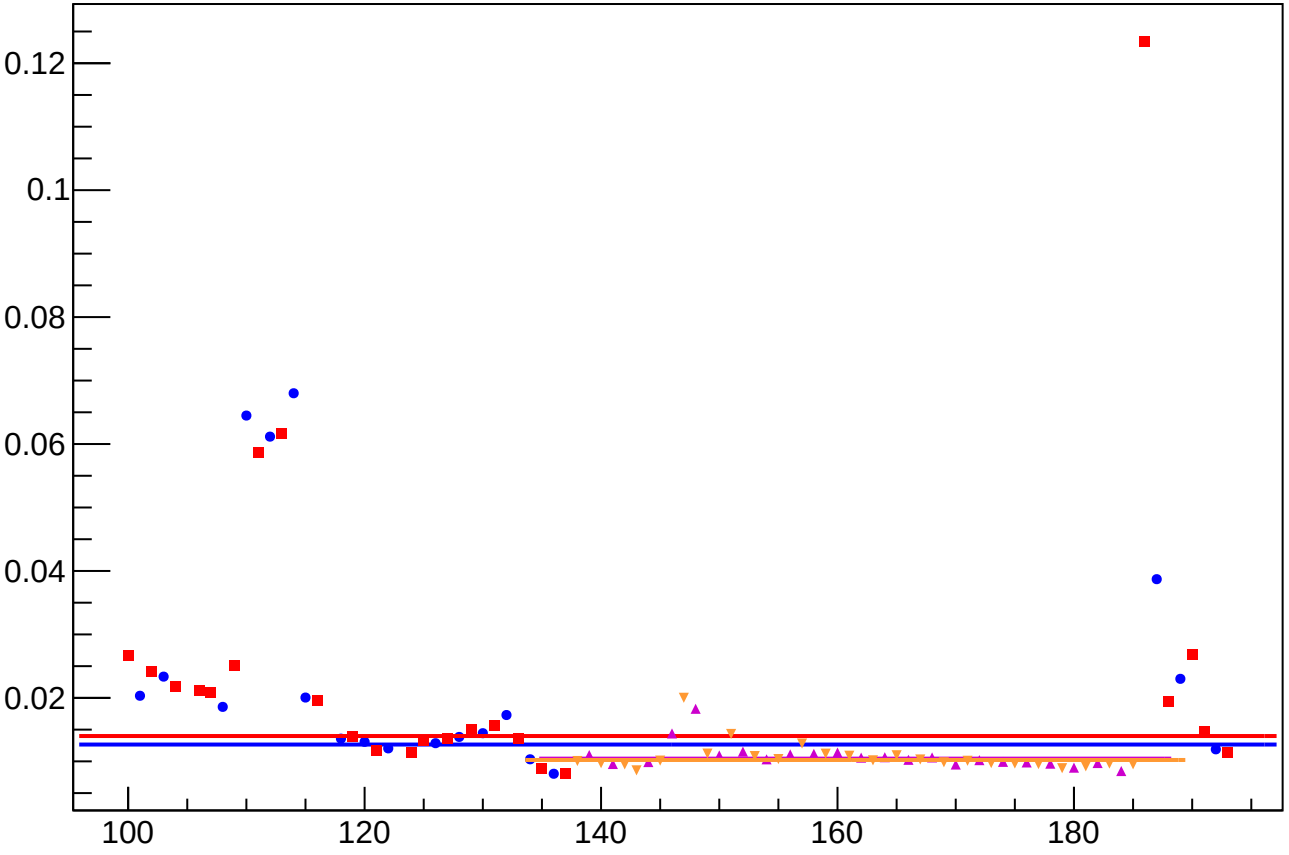
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.241+/-0.000 χ^2/NDF: 74686930721.5/43

All: 15.244+/-0.000 χ^2/NDF: 141281095304.

- sign 15.247+/-0.000 χ^2/NDF: 66590828849.9/46

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

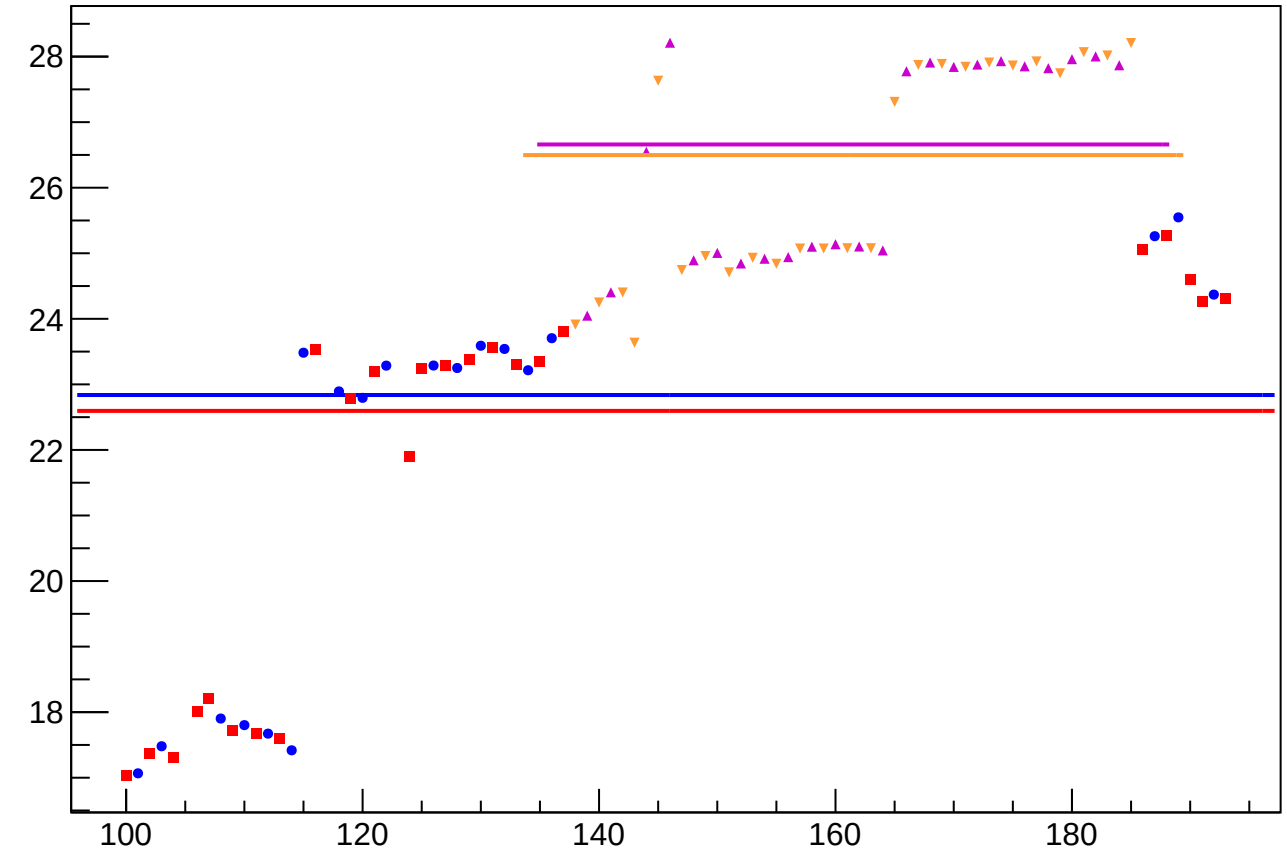
Right Out: 0.014+/-0.000 χ^2/NDF: 3220592.7/23

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: 8533031.4/90

- sign 0.011+/-0.000 χ^2/NDF: 4628217.7/46



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: 22.596+/-0.000 χ^2/NDF: 1375191459.0/23

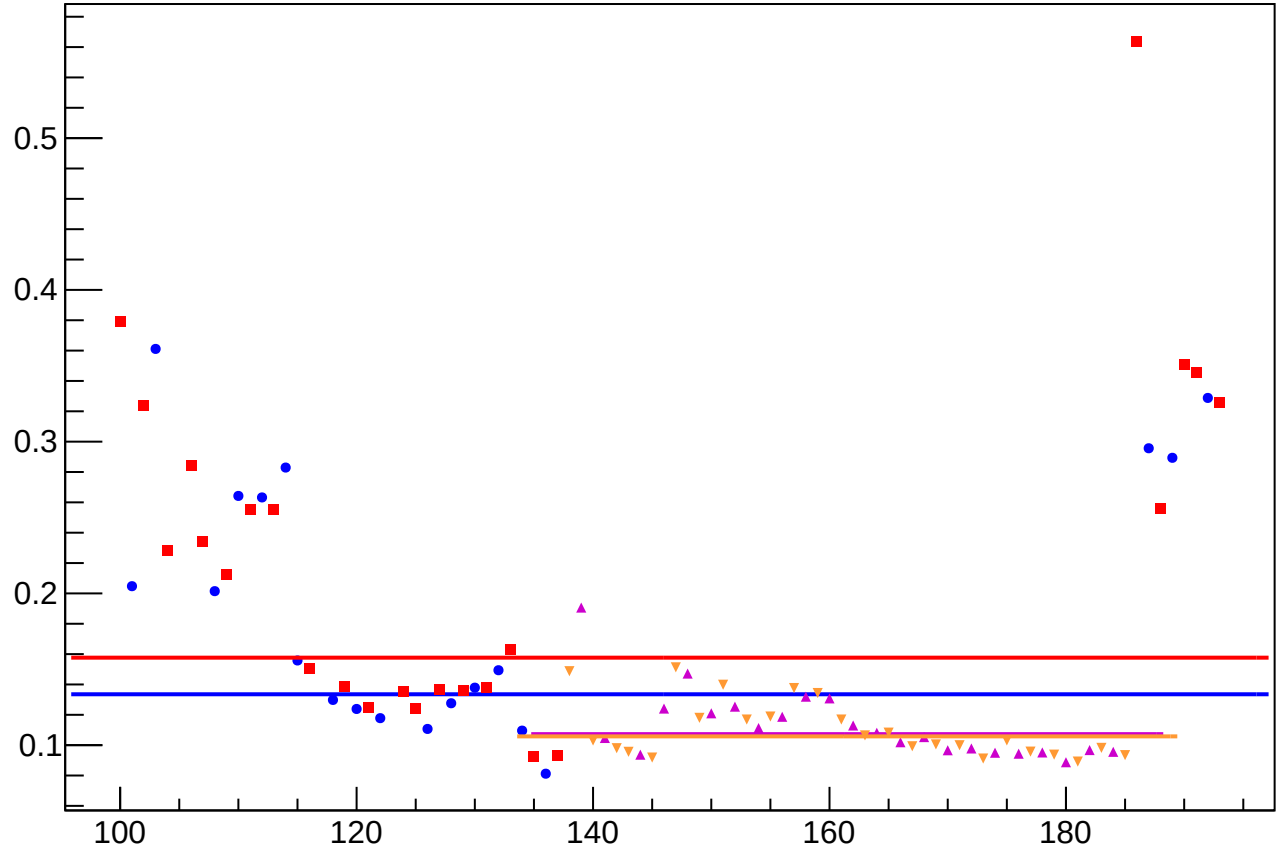
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.782+/-0.000 χ^2/NDF: 9095751500.9/43

All: 25.844+/-0.000 χ^2/NDF: 17506014049.3

- sign 25.912+/-0.000 χ^2/NDF: 8395486045.5/46

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: 0.158+/-0.000 χ^2/NDF: 3117082.9/23

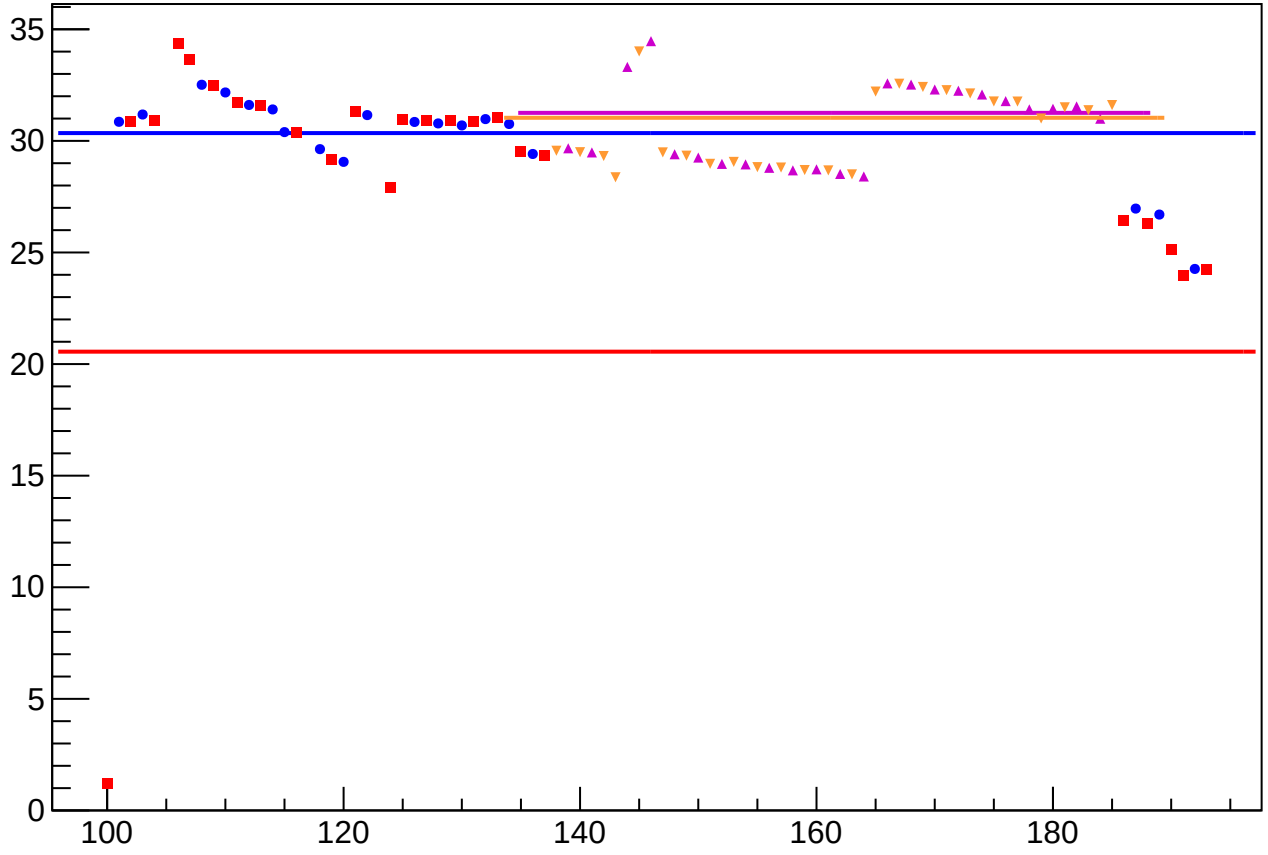
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.111+/-0.000 χ^2/NDF: 4086694.9/43

All: 0.114+/-0.000 χ^2/NDF: 9384005.0/90

- sign 0.117+/-0.000 χ^2/NDF: 5247718.0/46

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: 20.556+/-0.000 χ^2/NDF: 223305119996.2/23

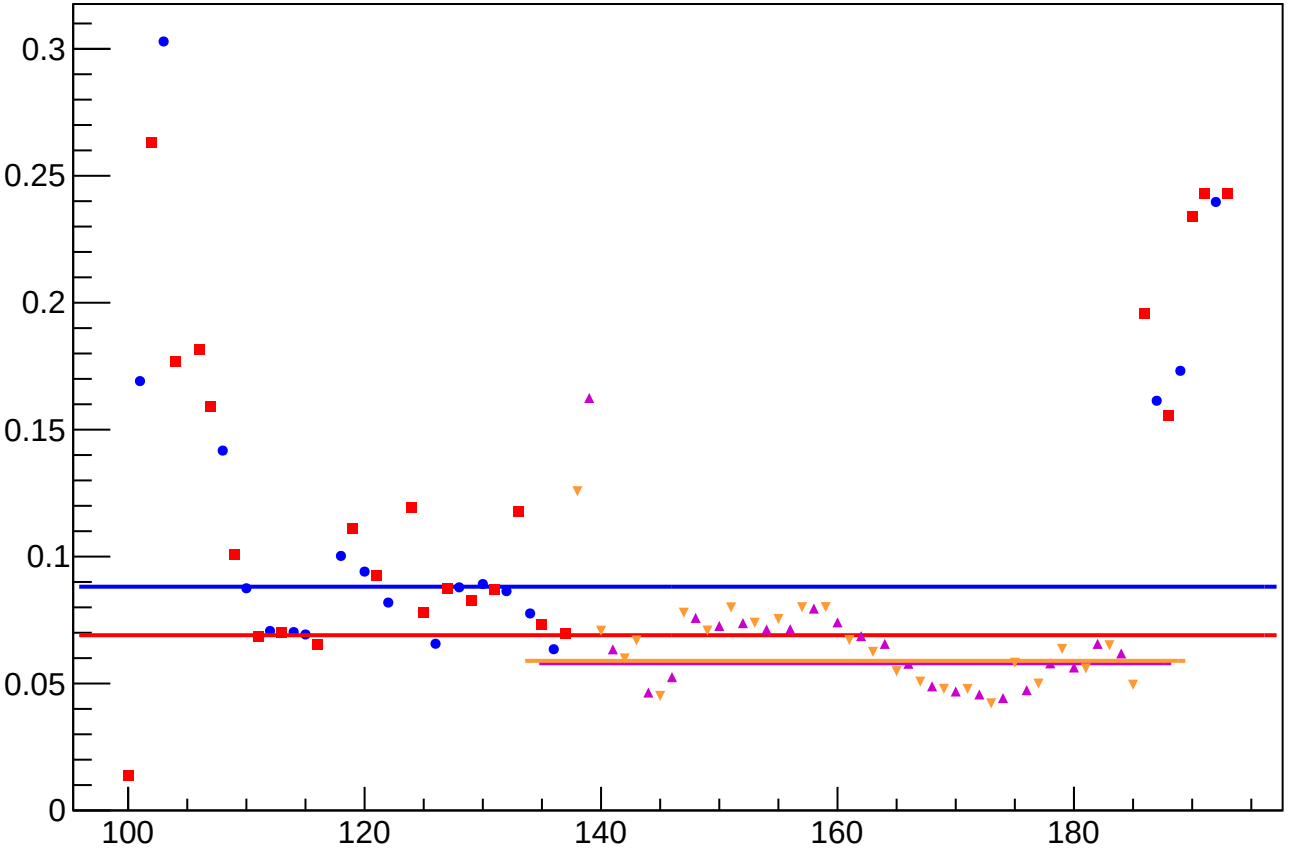
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.925+/-0.000 χ^2/NDF: 13820013523.7/43

All: 29.900+/-0.000 χ^2/NDF: 363790326434.

- sign 28.910+/-0.000 χ^2/NDF: 339436222688.8/46

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: 0.069+/-0.000 χ^2/NDF: 6386749.8/23

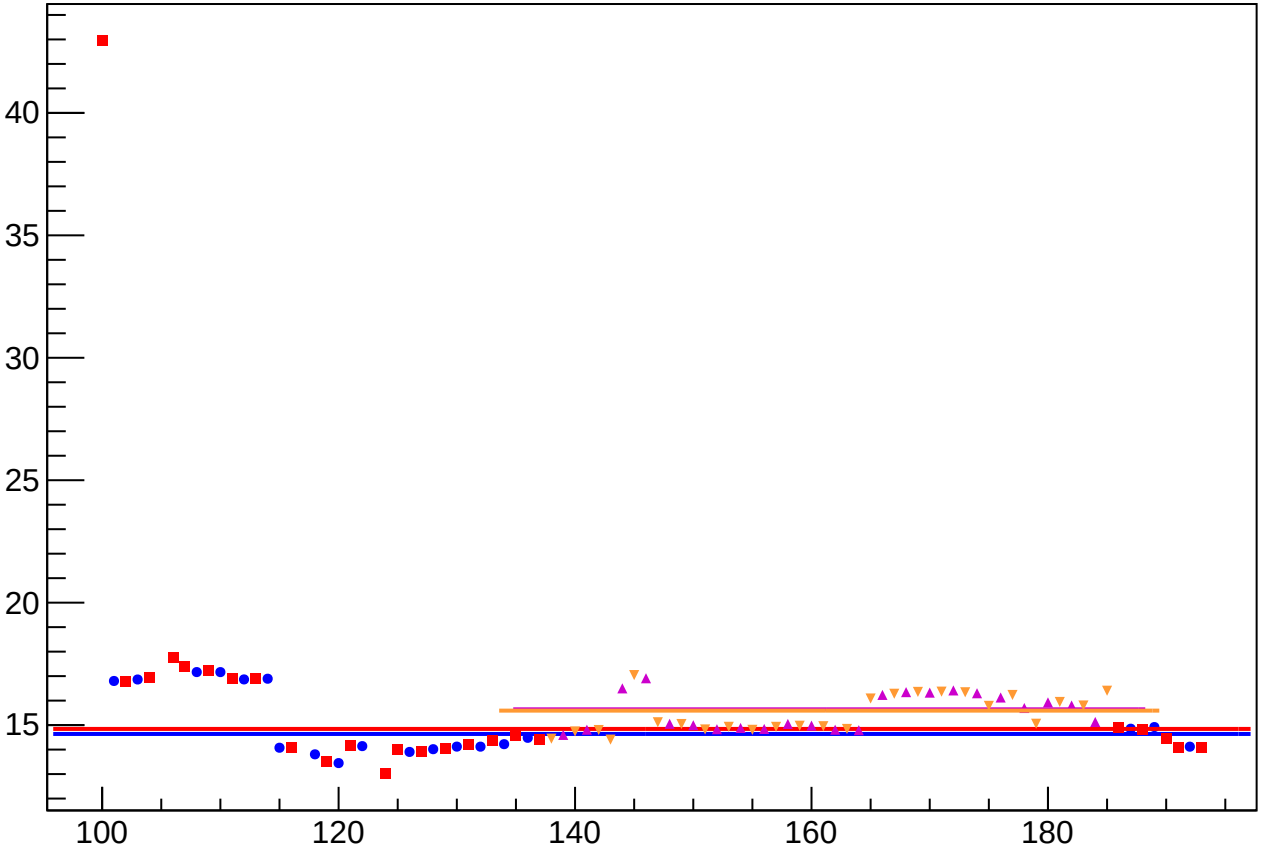
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.064+/-0.000 χ^2/NDF: 5081261.8/43

All: 0.062+/-0.000 χ^2/NDF: 13458275.4/90

- sign 0.060+/-0.000 χ^2/NDF: 8324040.2/46

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: 14.844+/-0.000 χ^2/NDF: 1744583724.4/23

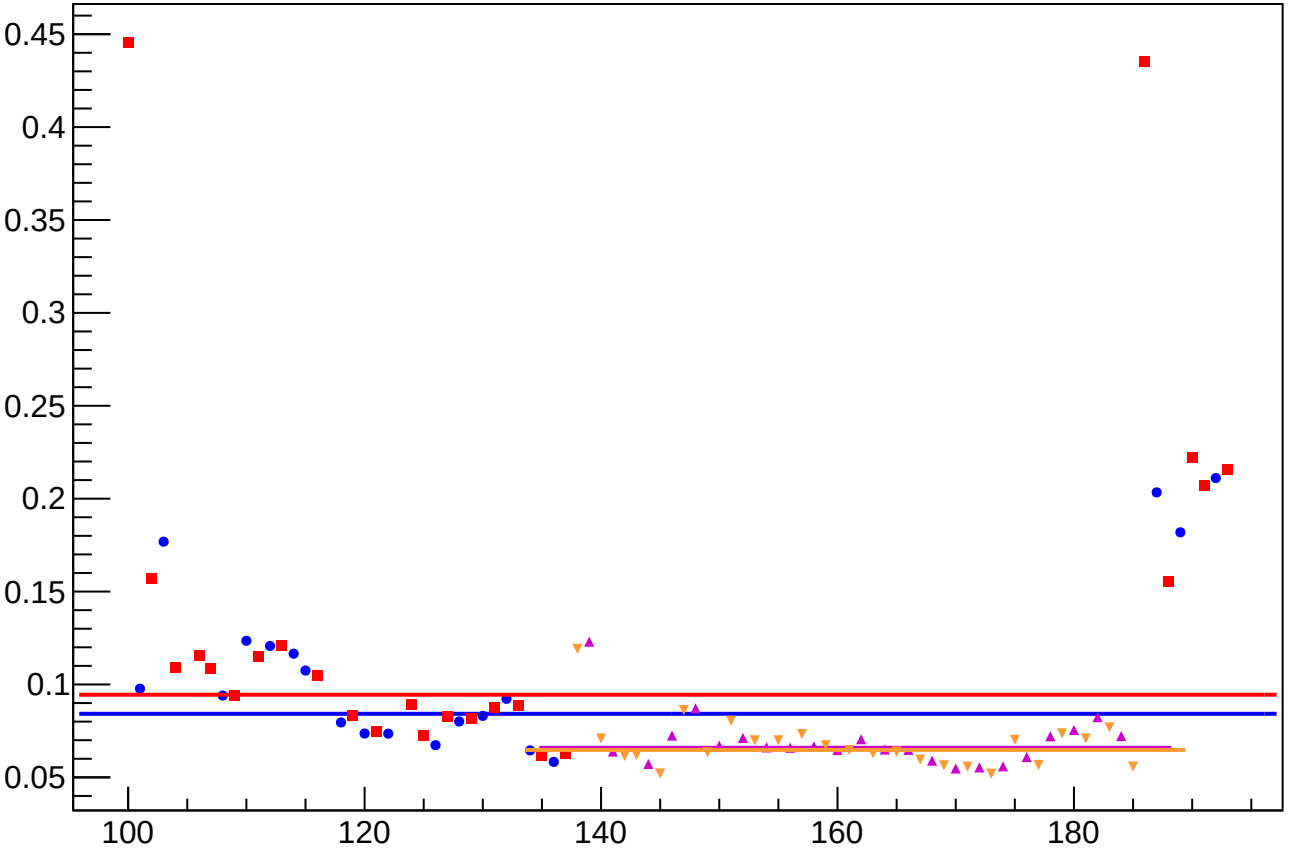
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.400+/-0.000 χ^2/NDF: 4170319074.0/43

All: 15.441+/-0.000 χ^2/NDF: 8247464545.2/9

- sign 15.485+/-0.000 χ^2/NDF: 4060224226.8/46

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: 0.094+/-0.000 χ^2/NDF: 2500741.7/23

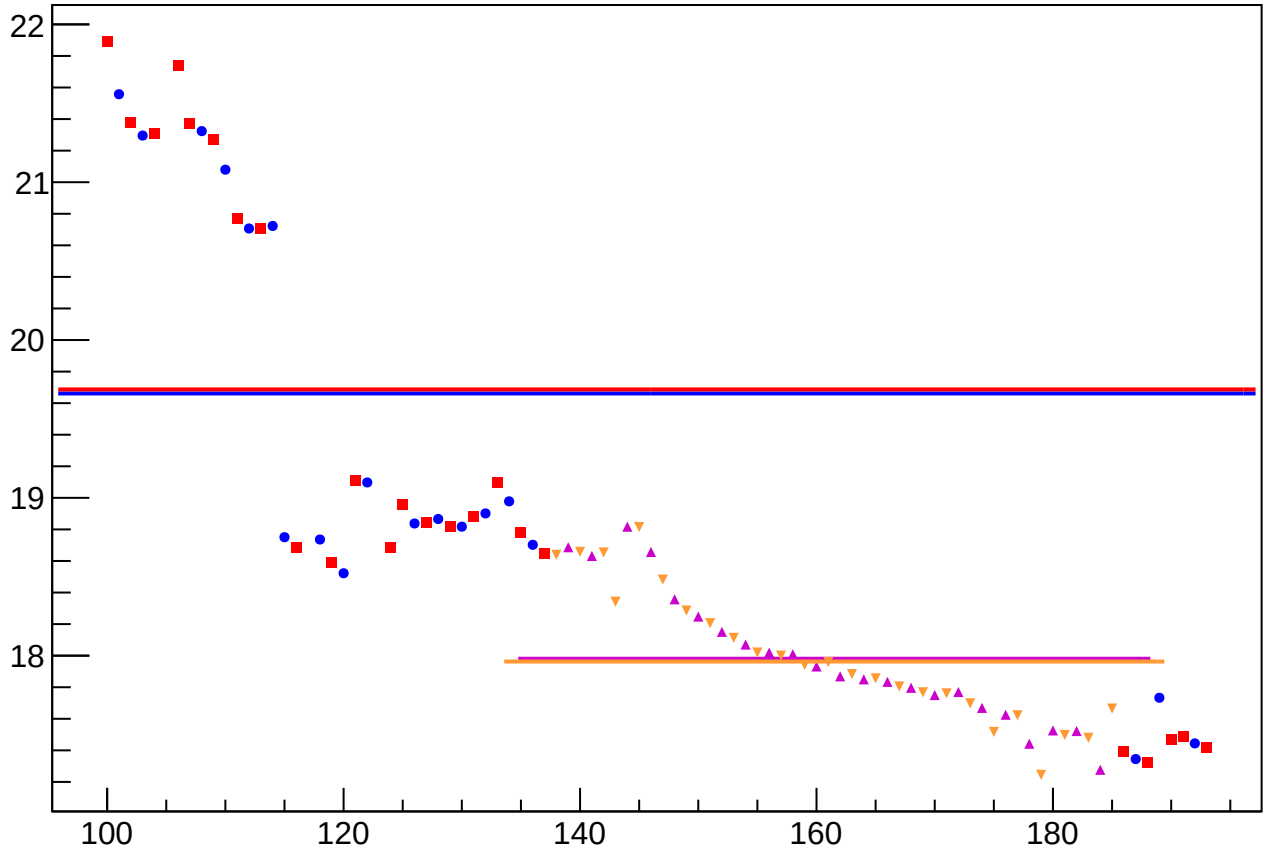
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.069+/-0.000 χ^2/NDF: 3531740.1/43

All: 0.070+/-0.000 χ^2/NDF: 8025810.1/90

- sign 0.072+/-0.000 χ^2/NDF: 4453982.3/46

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: 19.687+/-0.000 χ^2/NDF: 19239518971.5/23

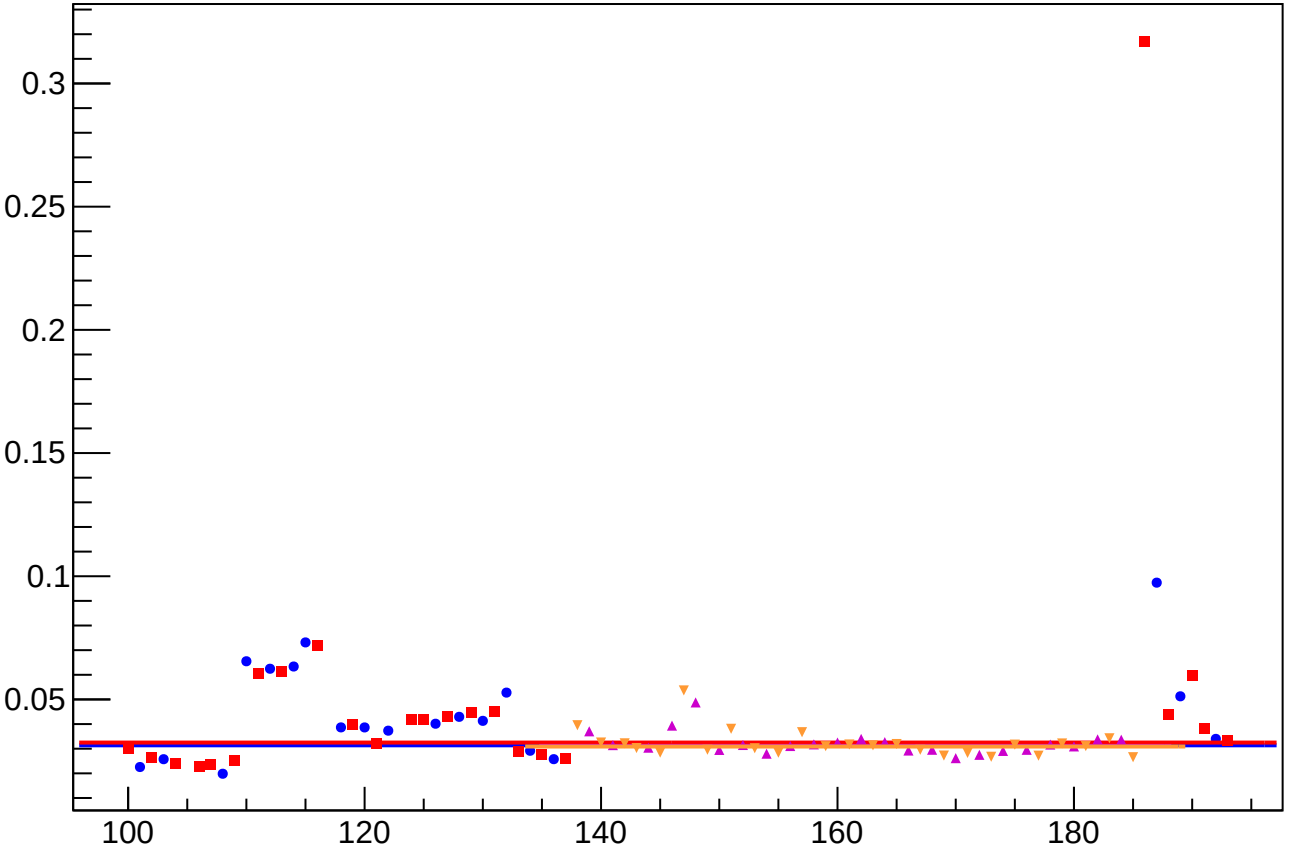
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.441+/-0.000 χ^2/NDF: 35037788870.7/43

All: 18.472+/-0.000 χ^2/NDF: 73017230814.4

- sign 18.504+/-0.000 χ^2/NDF: 37927265513.2/46

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

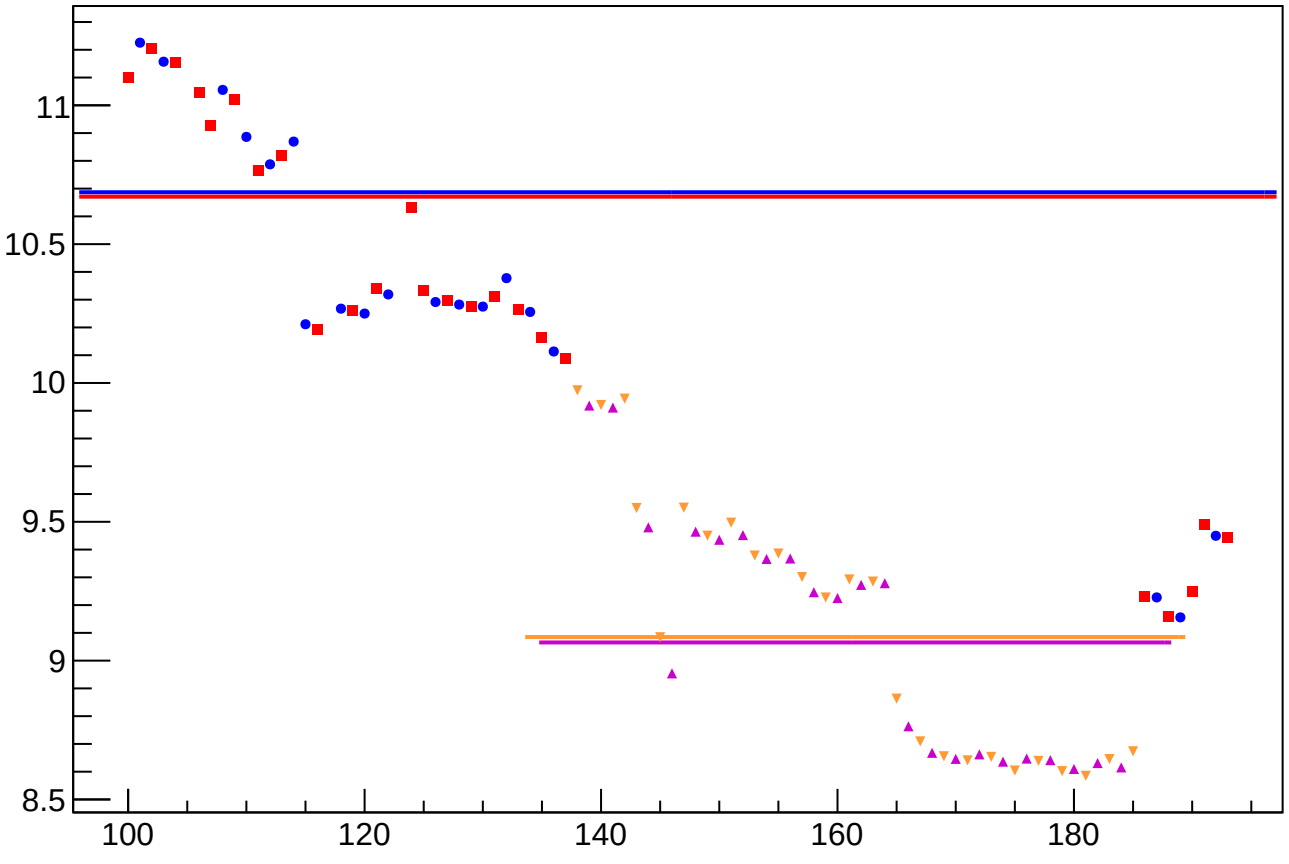
Right Out: 0.032+/-0.000 χ^2/NDF: 2121134.4/23

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: 5054050.8/90

- sign 0.032+/-0.000 χ^2/NDF: 2624275.7/46



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: 10.671+/-0.000 χ^2/NDF: 7396061652.3/23

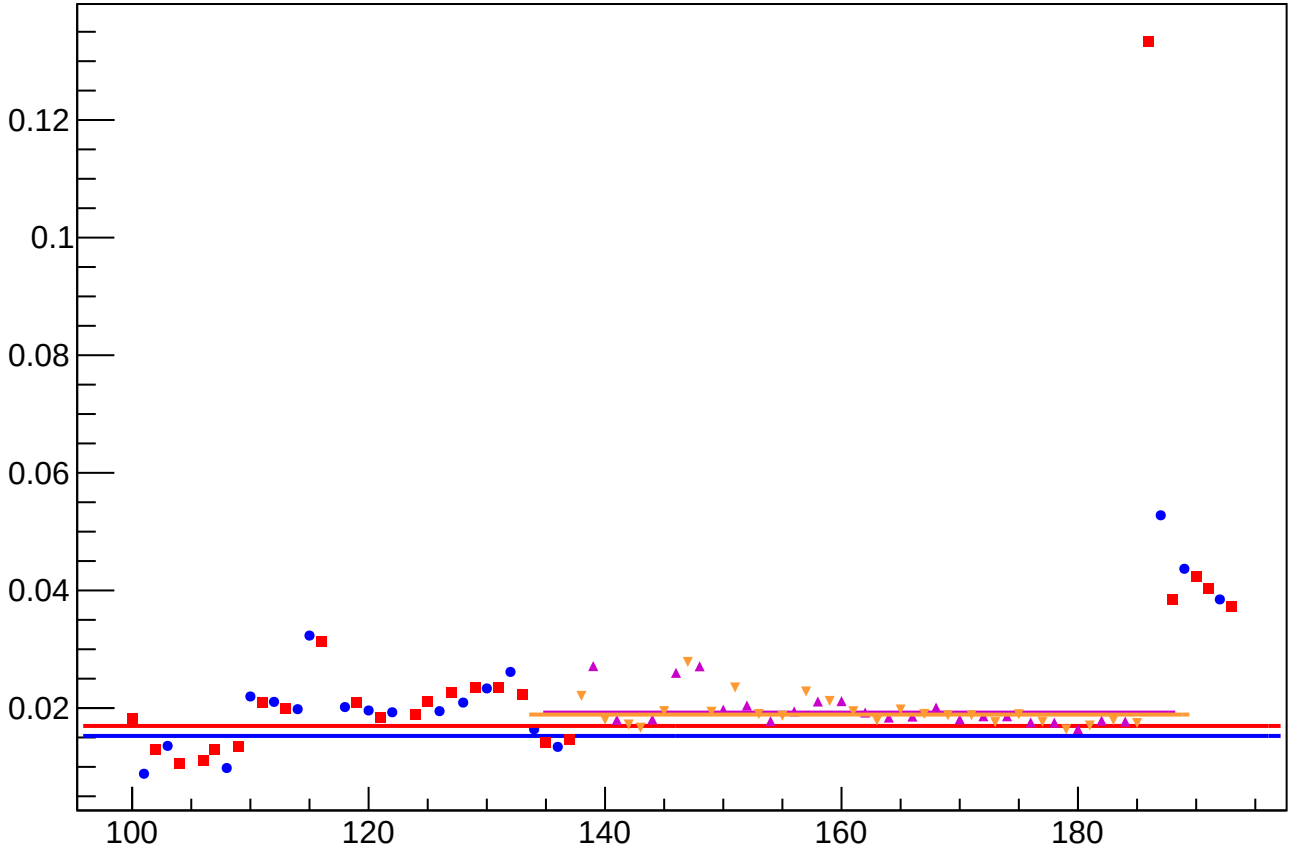
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.673+/-0.000 χ^2/NDF: 64354455759.5/43

All: 9.672+/-0.000 χ^2/NDF: 123279060141.6

- sign 9.670+/-0.000 χ^2/NDF: 58924201952.7/46

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: 3195460.4/23

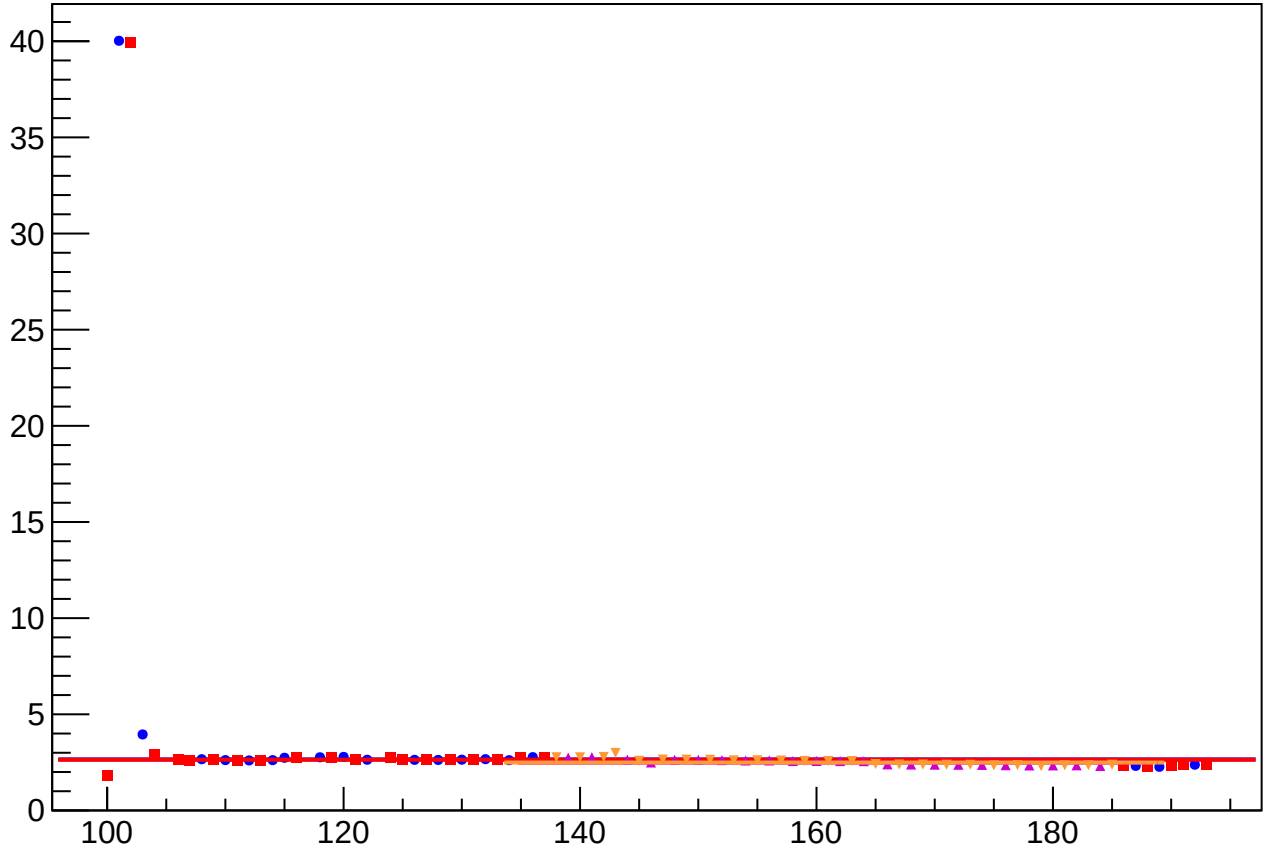
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.018+/-0.000 χ^2/NDF: 3765946.2/43

All: 0.018+/-0.000 χ^2/NDF: 7725898.1/90

- sign 0.018+/-0.000 χ^2/NDF: 3910168.8/46

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: 2.639+/-0.000 χ^2/NDF: 73179327747.8/23

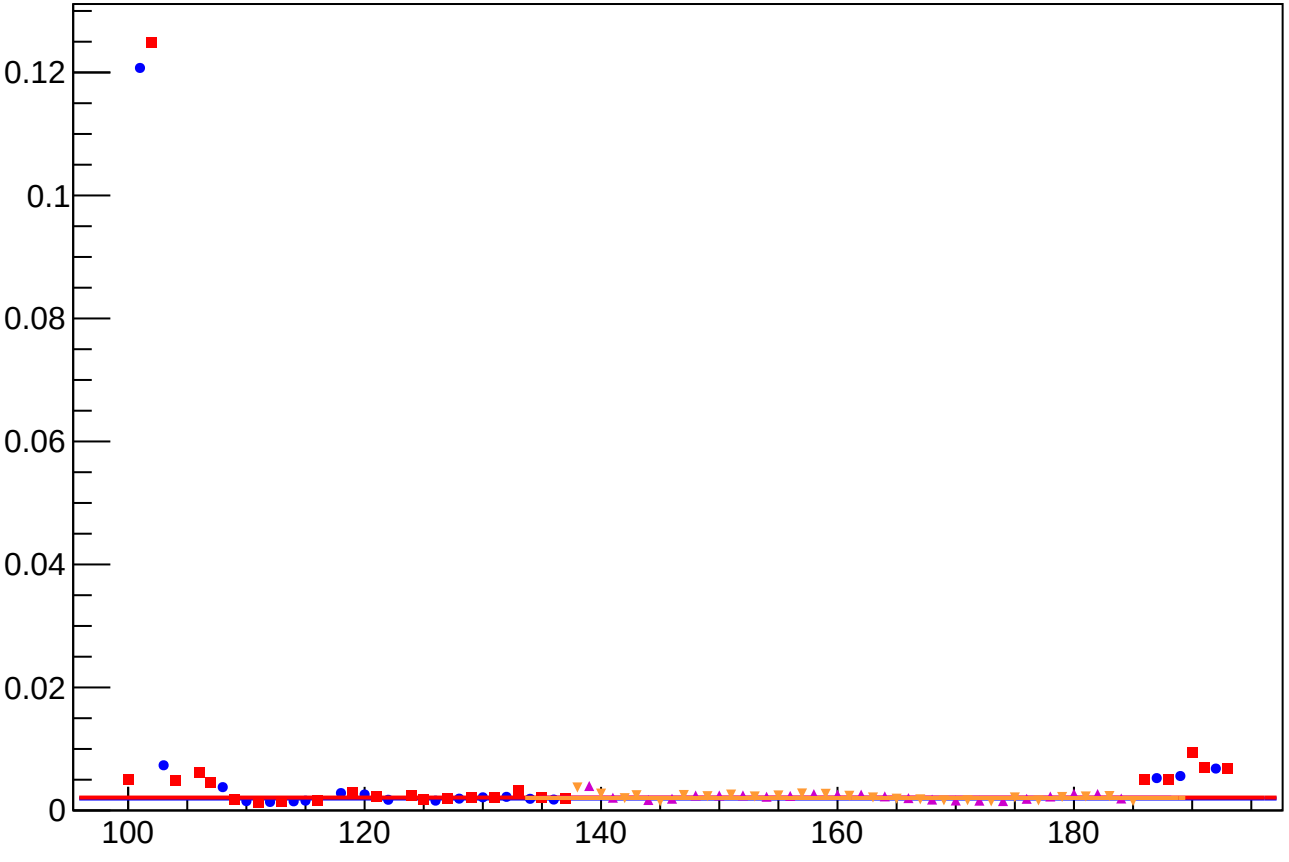
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.537+/-0.000 χ^2/NDF: 193187391800.1/43

All: 2.536+/-0.000 χ^2/NDF: 351078573816.1

- sign 2.534+/-0.000 χ^2/NDF: 157861663584.6/46

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

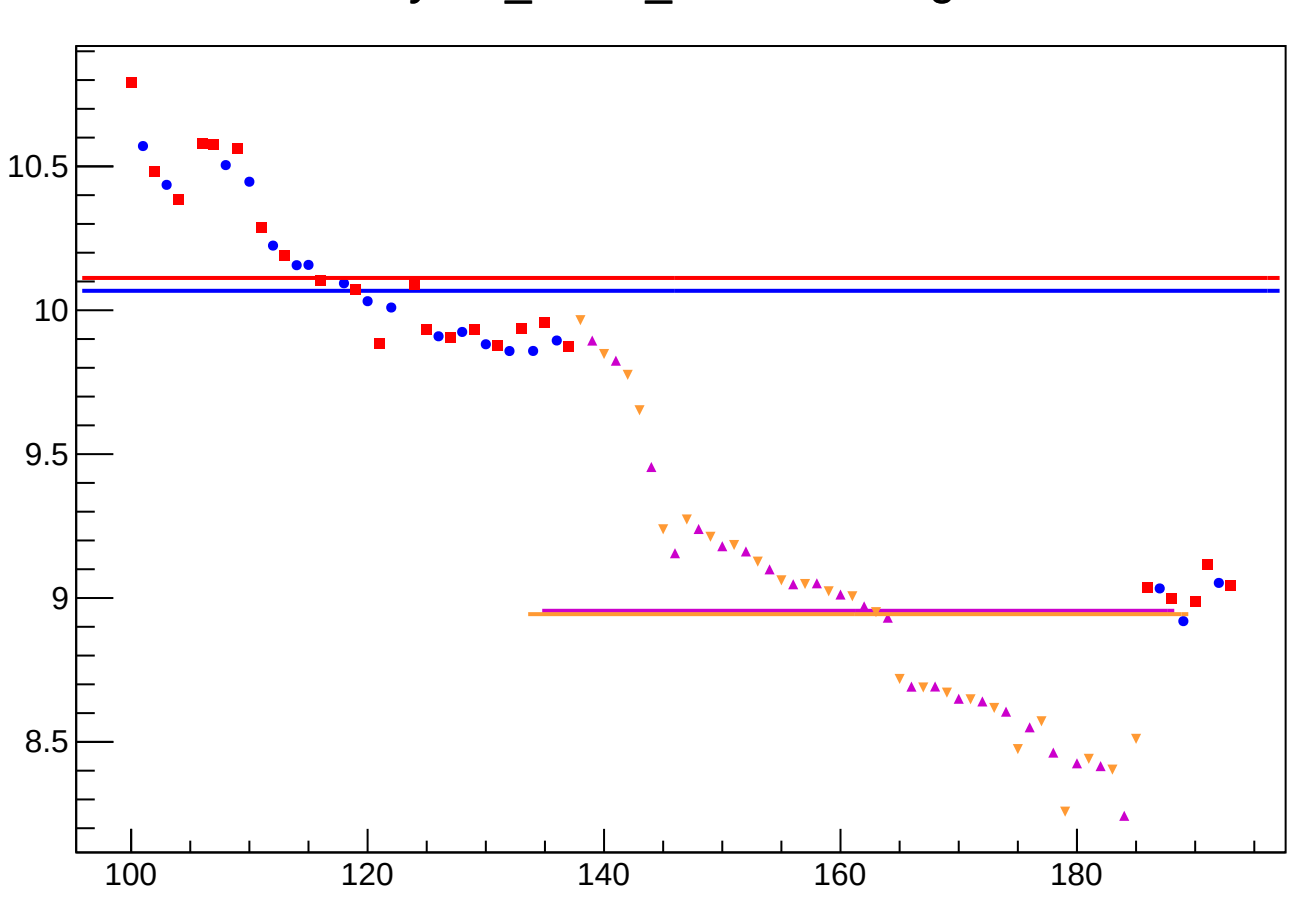
Right Out: 0.002+/-0.000 χ^2/NDF: 4870850.0/23

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: 11282396.8/90

- sign 0.002+/-0.000 χ^2/NDF: 6275359.6/46



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: 10.112+/-0.000 χ^2/NDF: 22084518230.3/23

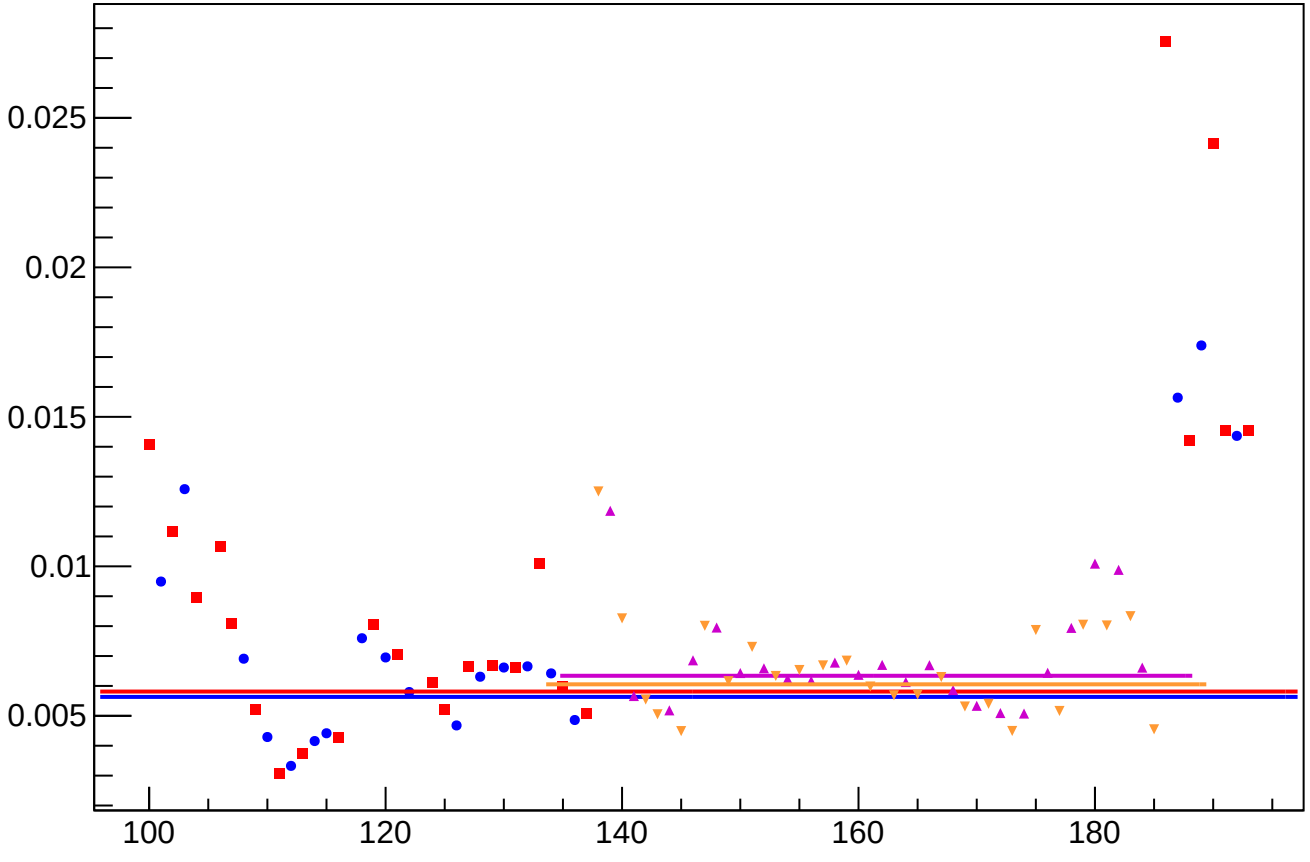
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.309+/-0.000 χ^2/NDF: 253923928173.0/43

All: 9.342+/-0.000 χ^2/NDF: 505318061949.4

- sign 9.377+/-0.000 χ^2/NDF: 250040058208.3/46

yield_sam8_rms vs Slug



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: 4149386.6/23

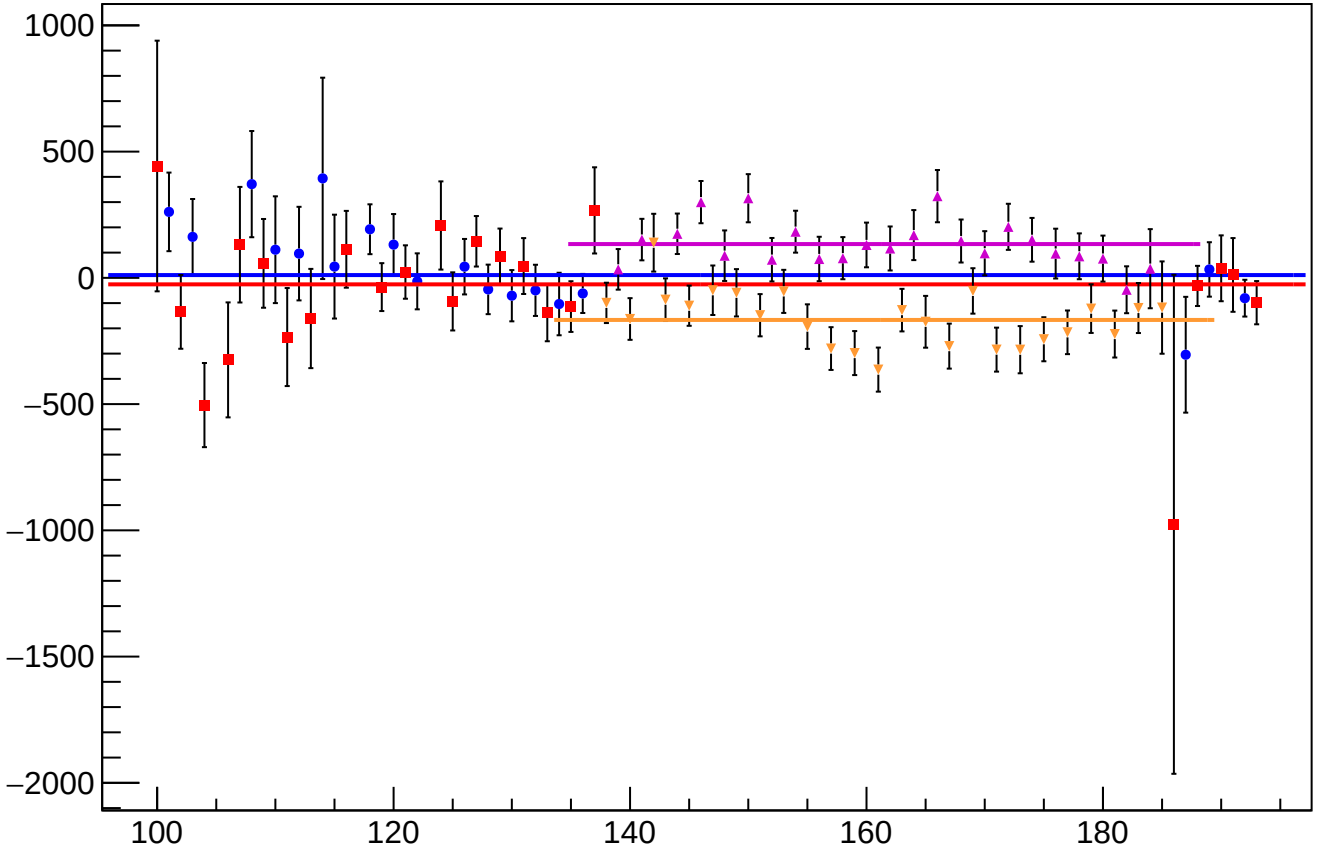
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 4141643.0/43

All: 0.006+/-0.000 χ^2/NDF: 9571187.7/90

- sign 0.006+/-0.000 χ^2/NDF: 5398064.0/46

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: -25.723+/-26.373 χ^2/NDF: 27.9/23

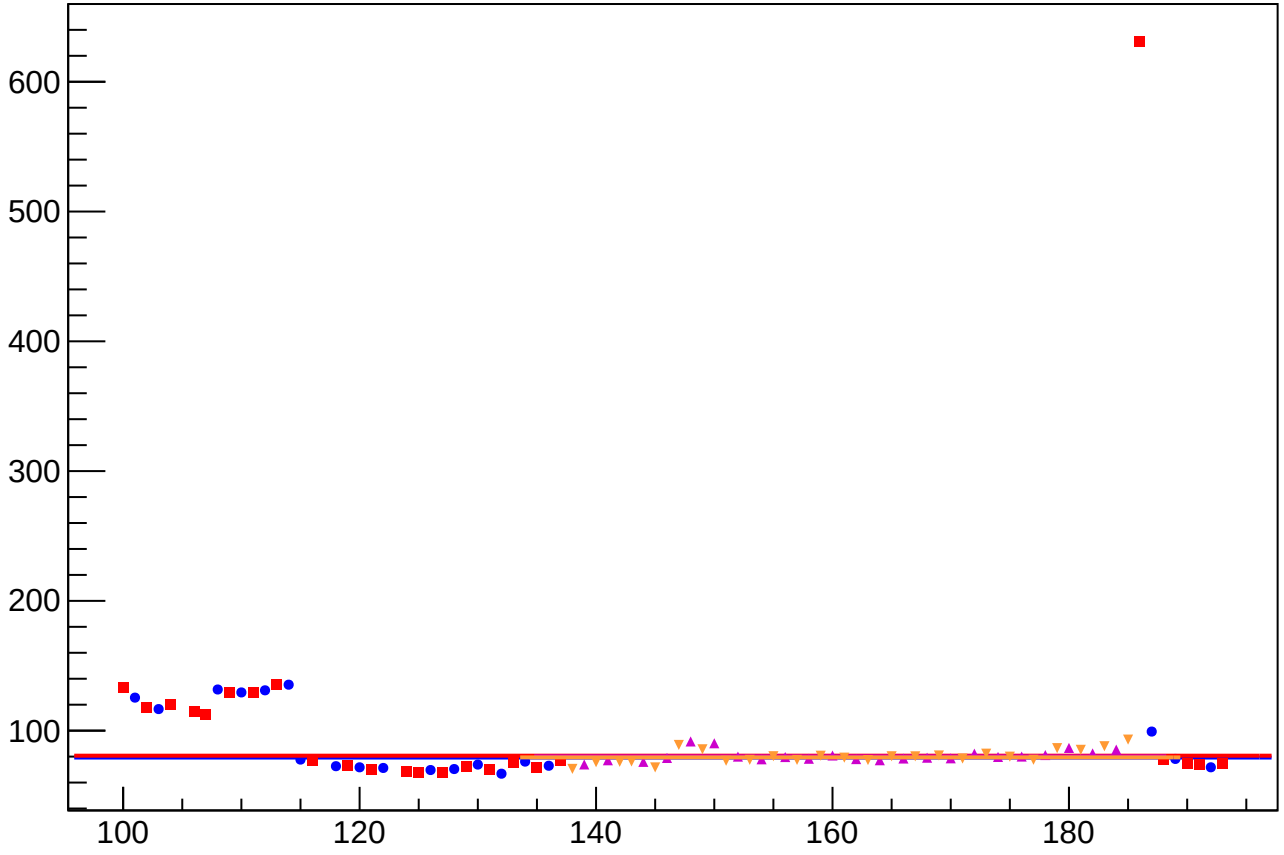
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -112.307+/-15.062 χ^2/NDF: 80.2/43

All: -17.445+/-10.728 χ^2/NDF: 233.7/90

- sign 80.246+/-15.285 χ^2/NDF: 73.0/46

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: 80.708+/-0.019 χ^2/NDF: 1575855.9/23

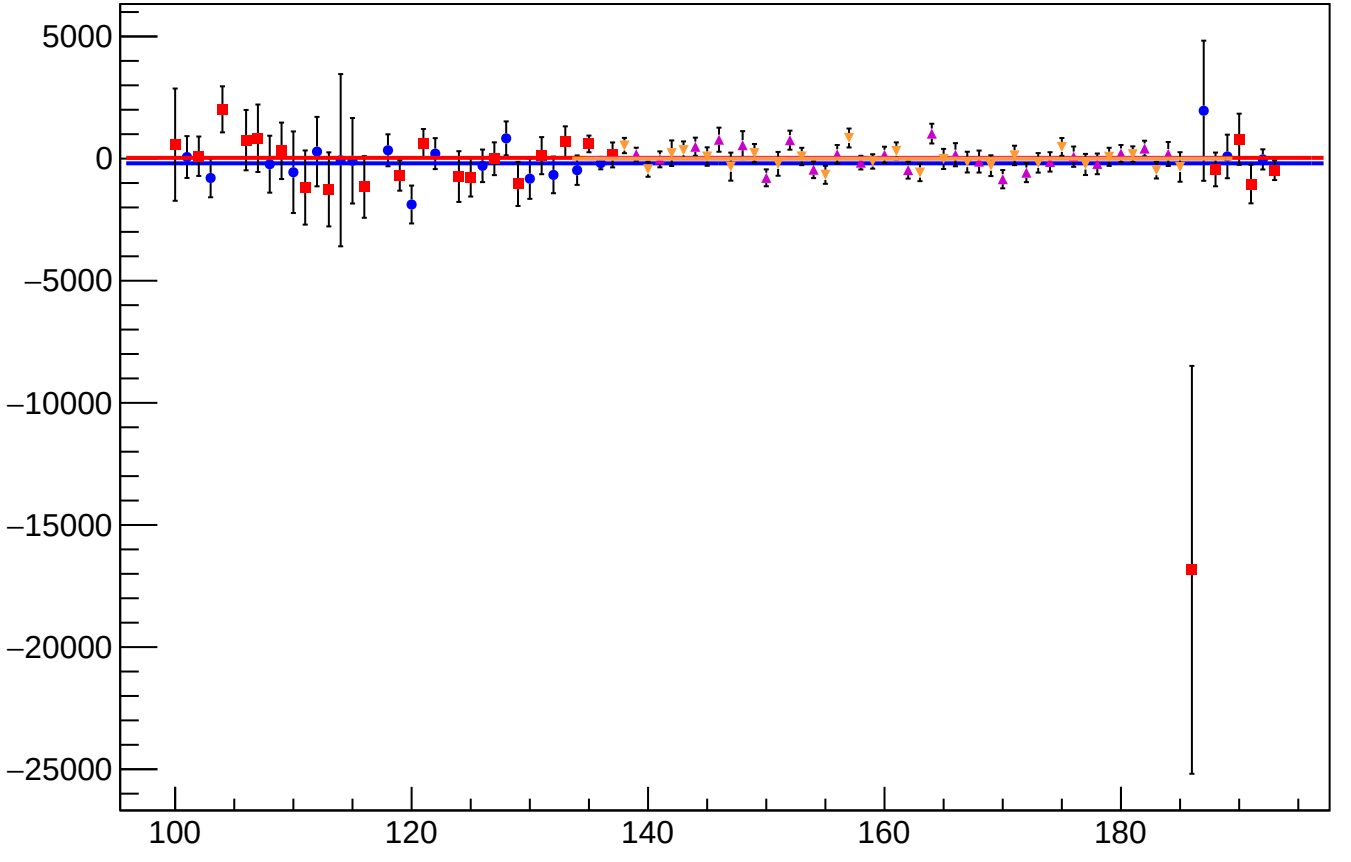
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.372+/-0.011 χ^2/NDF: 1013997.7/43

All: 79.851+/-0.008 χ^2/NDF: 2686003.1/90

- sign 80.344+/-0.011 χ^2/NDF: 1667898.8/46

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: 30.284+/-148.687 χ^2/NDF: 25.3/23

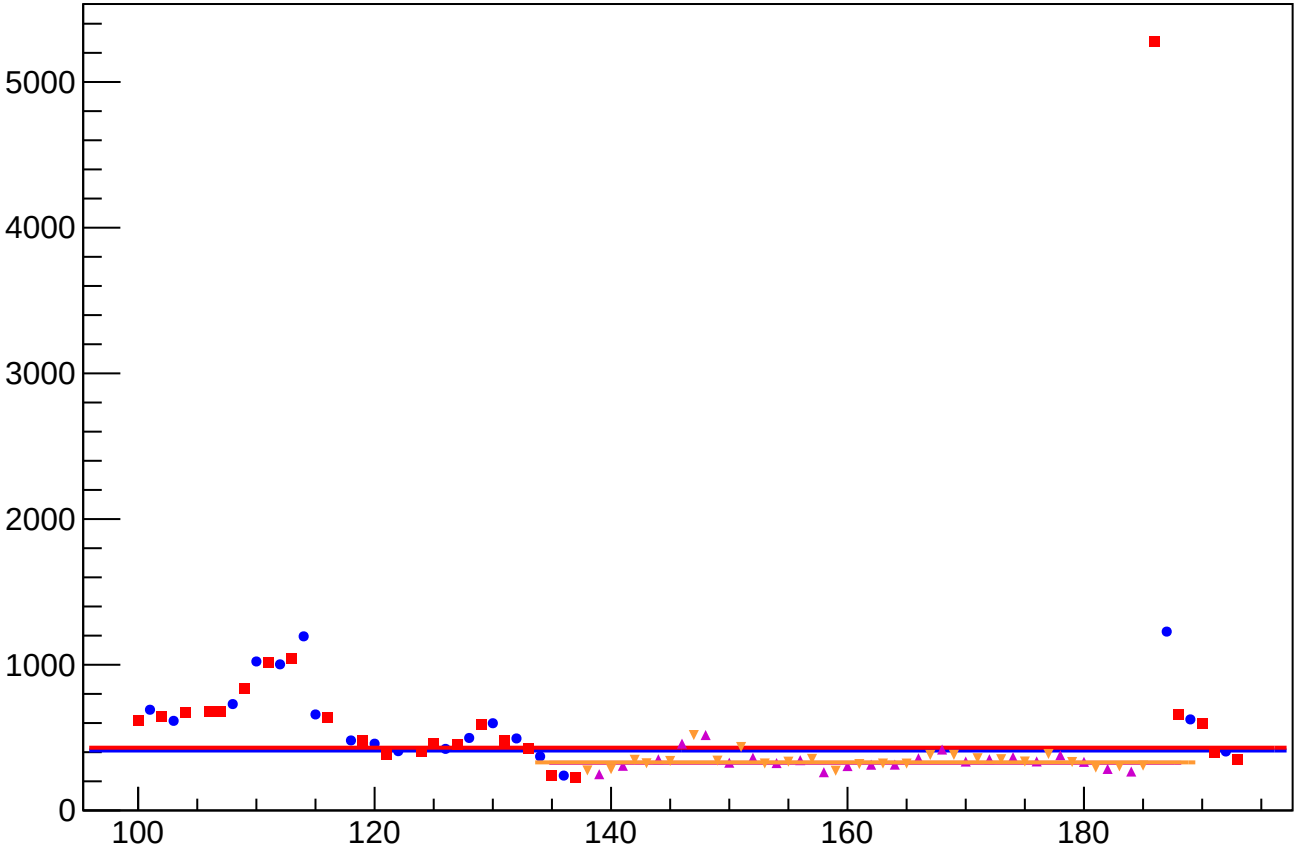
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -42.277+/-67.684 χ^2/NDF: 36.2/43

All: -10.815+/-48.233 χ^2/NDF: 96.9/90

- sign 21.647+/-68.753 χ^2/NDF: 60.3/46

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: 430.794+/-0.105 χ^2/NDF: 3398295.7/23

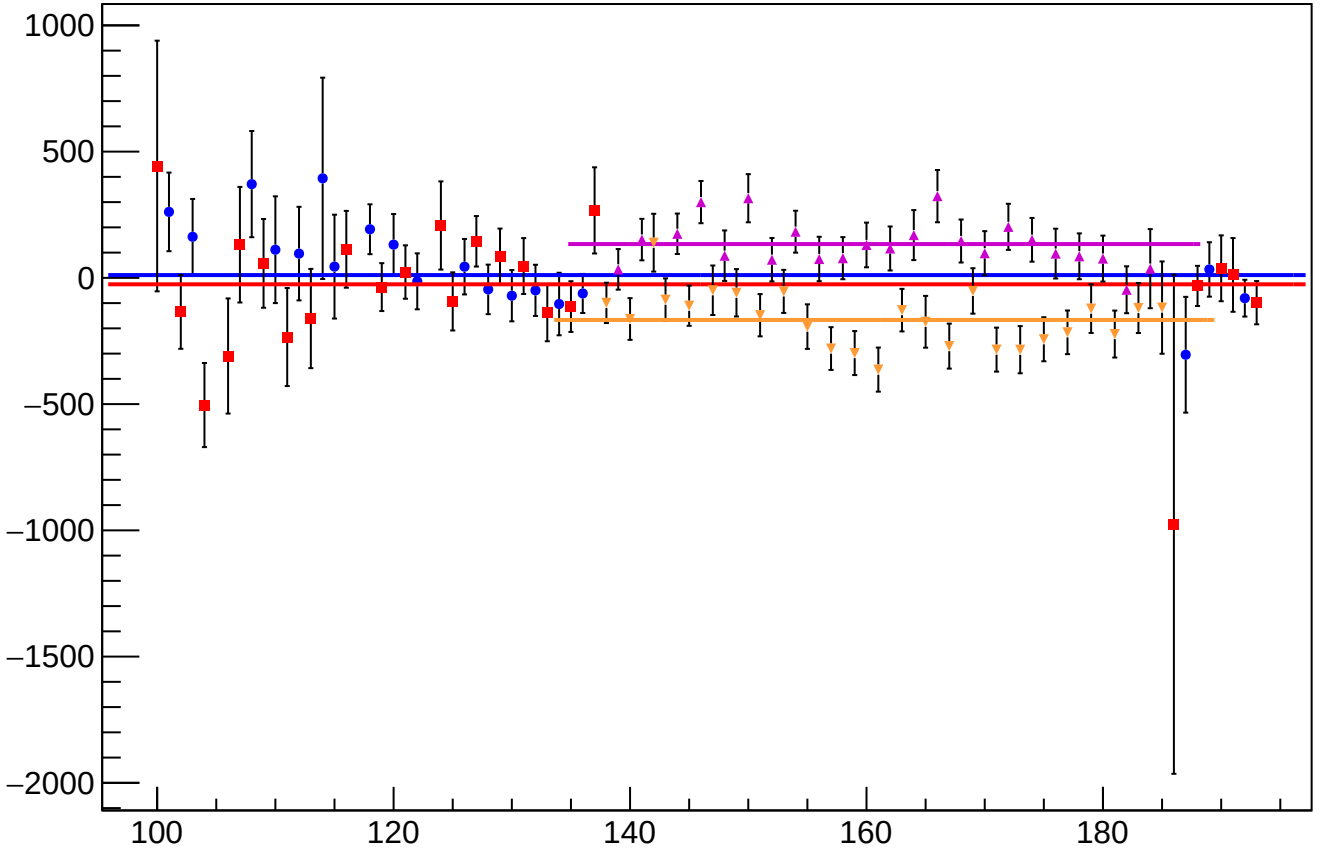
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 346.587+/-0.048 χ^2/NDF: 3772615.9/43

All: 347.855+/-0.034 χ^2/NDF: 8838433.5/90

- sign 349.164+/-0.049 χ^2/NDF: 5064391.1/46

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: -25.510+/-26.373 χ^2/NDF: 27.7/23

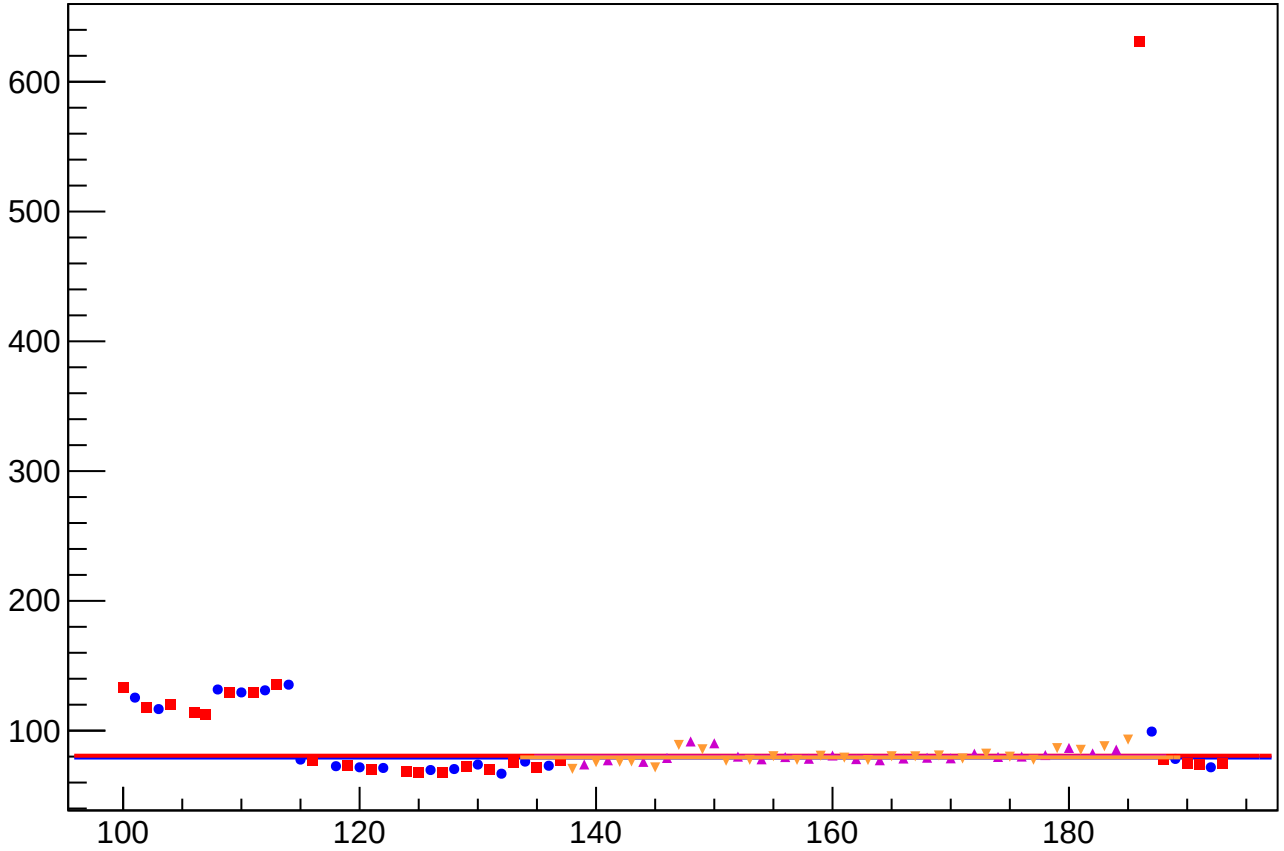
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -112.303+/-15.062 χ^2/NDF: 80.2/43

All: -17.406+/-10.728 χ^2/NDF: 233.5/90

- sign 80.324+/-15.285 χ^2/NDF: 72.7/46

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: 80.697+/-0.019 χ^2/NDF: 1573904.5/23

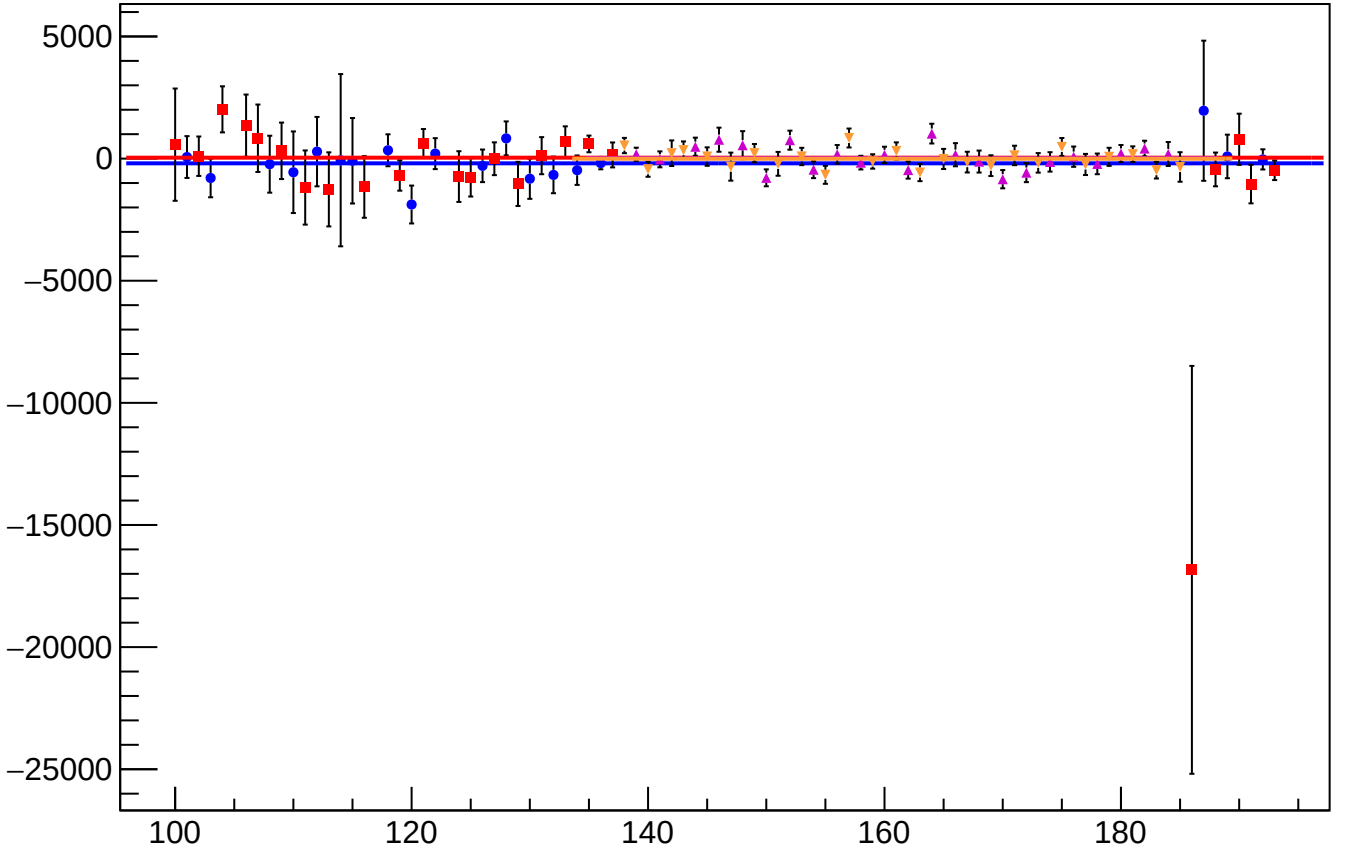
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.372+/-0.011 χ^2/NDF: 1013997.9/43

All: 79.849+/-0.008 χ^2/NDF: 2683998.3/90

- sign 80.340+/-0.011 χ^2/NDF: 1665924.7/46

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: 37.727+/-148.752 χ^2/NDF: 26.0/23

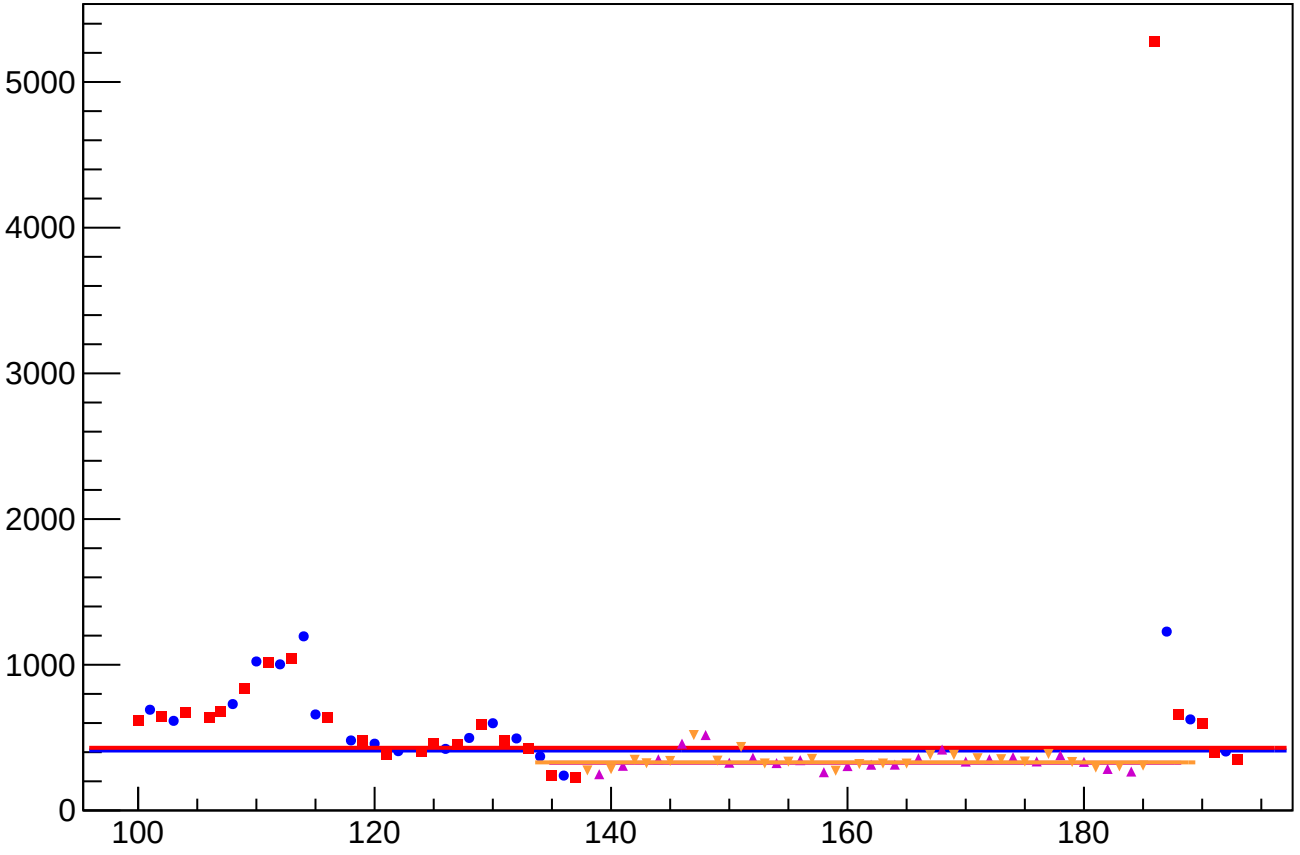
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -42.276+/-67.684 χ^2/NDF: 36.2/43

All: -10.034+/-48.236 χ^2/NDF: 97.7/90

- sign 23.241+/-68.759 χ^2/NDF: 61.1/46

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: 430.043+/-0.105 χ^2/NDF: 3371201.0/23

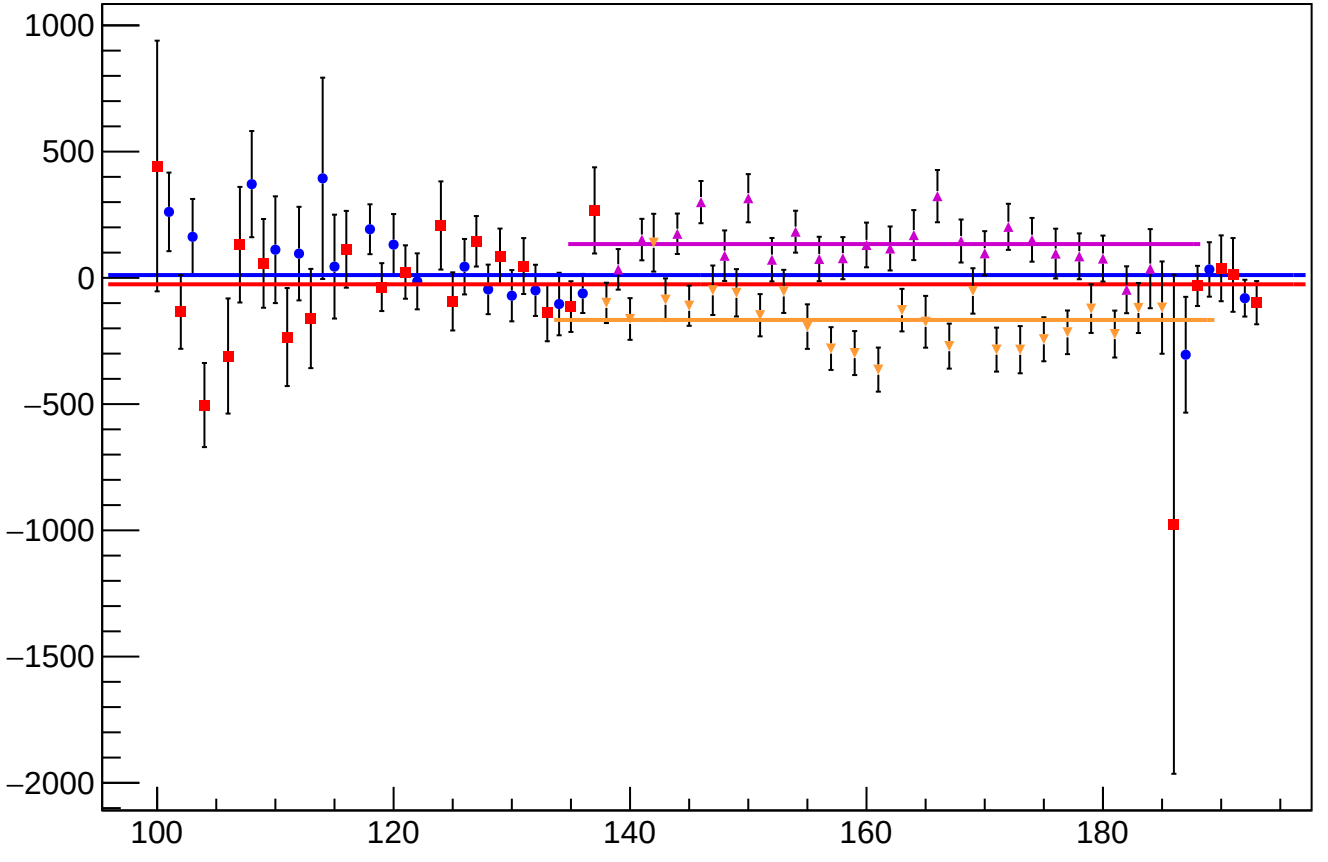
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

\+ sign 346.587+/-0.048 χ^2/NDF: 3772622.1/43

All: 347.769+/-0.034 χ^2/NDF: 8799591.4/90

\- sign 348.988+/-0.049 χ^2/NDF: 5025730.8/46

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: -25.510+/-26.373 χ^2/NDF: 27.7/23

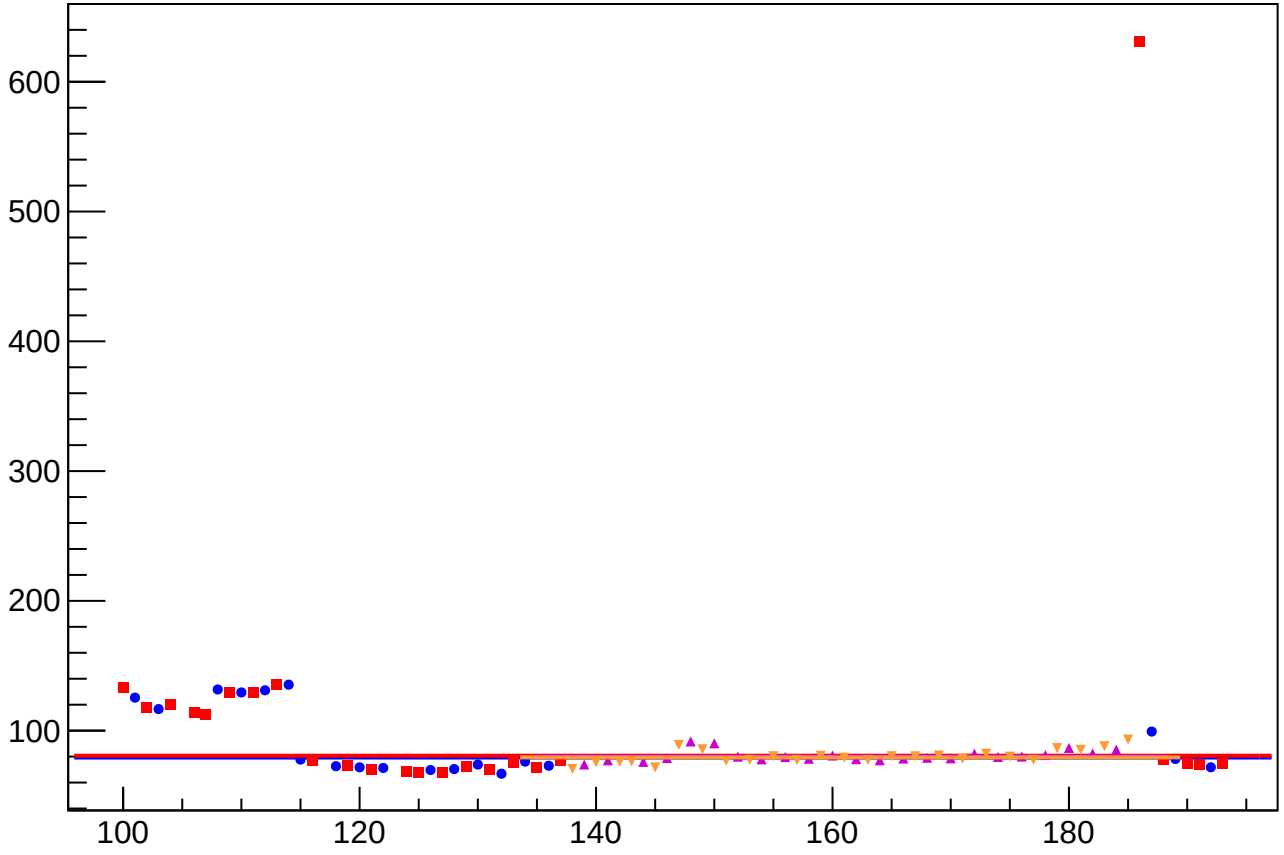
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -112.303+/-15.062 χ^2/NDF: 80.2/43

All: -17.406+/-10.728 χ^2/NDF: 233.5/90

- sign 80.324+/-15.285 χ^2/NDF: 72.7/46

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

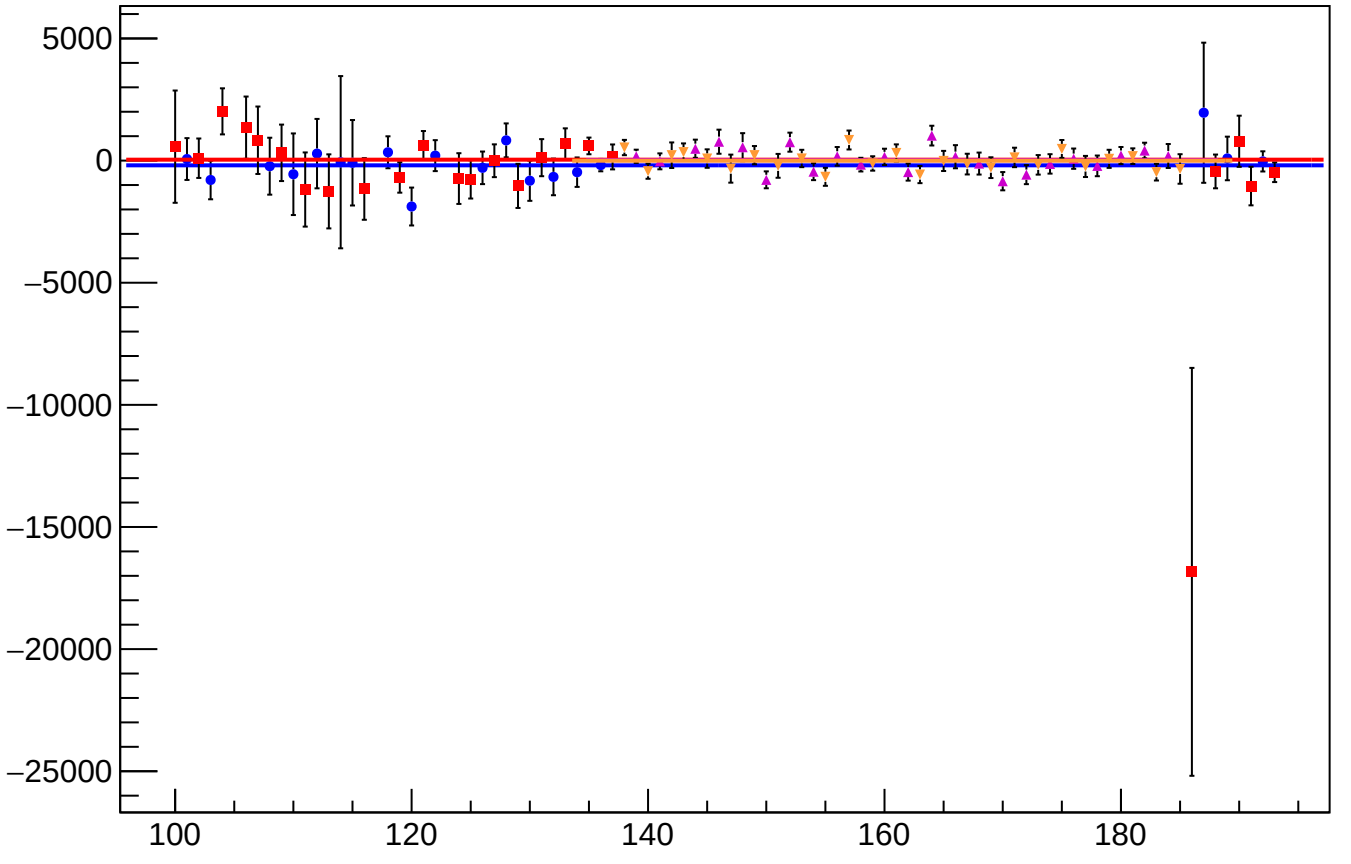
Right Out: 80.697+/-0.019 χ^2/NDF: 1573904.5/23

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.372+/-0.011 χ^2/NDF: 1013997.9/43

All: 79.849+/-0.008 χ^2/NDF: 2683998.3/90

- sign 80.340+/-0.011 χ^2/NDF: 1665924.7/46



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: 37.727+/-148.752 χ^2/NDF: 26.0/23

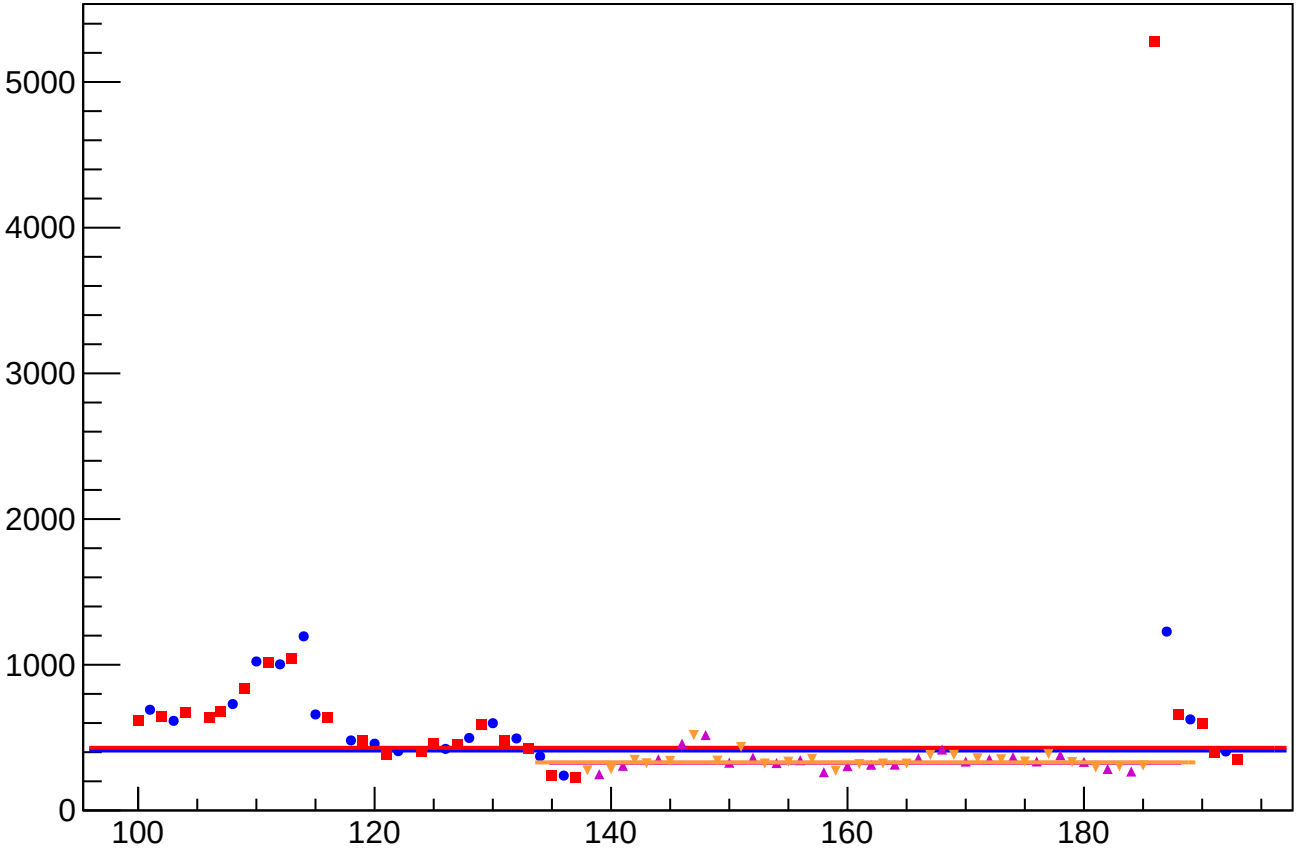
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -42.276+/-67.684 χ^2/NDF: 36.2/43

All: -10.034+/-48.236 χ^2/NDF: 97.7/90

- sign 23.241+/-68.759 χ^2/NDF: 61.1/46

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: 430.043+/-0.105 χ^2/NDF: 3371201.0/23

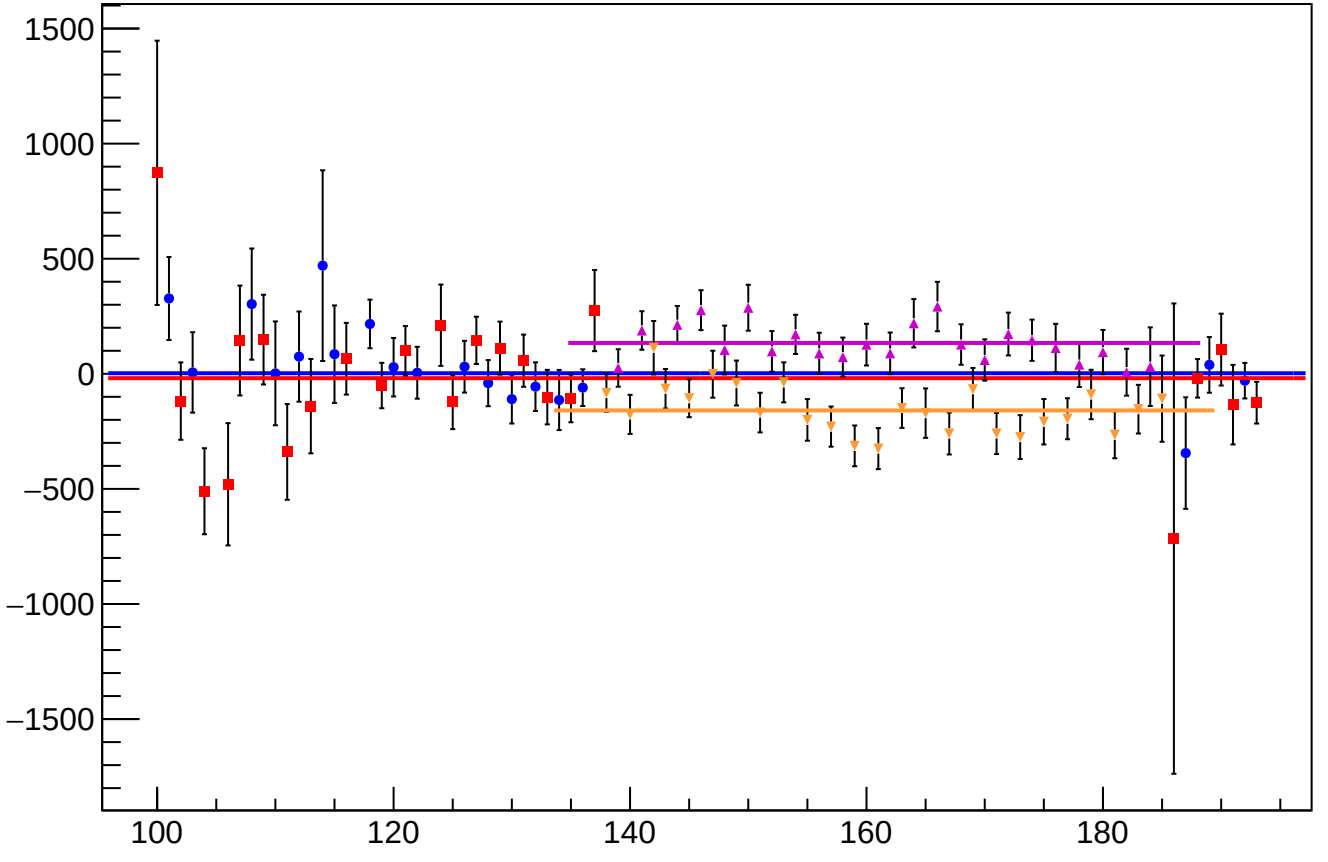
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

\+ sign 346.587+/-0.048 χ^2/NDF: 3772622.1/43

All: 347.769+/-0.034 χ^2/NDF: 8799591.4/90

\- sign 348.988+/-0.049 χ^2/NDF: 5025730.8/46

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: -18.968+/-27.843 χ^2/NDF: 31.9/23

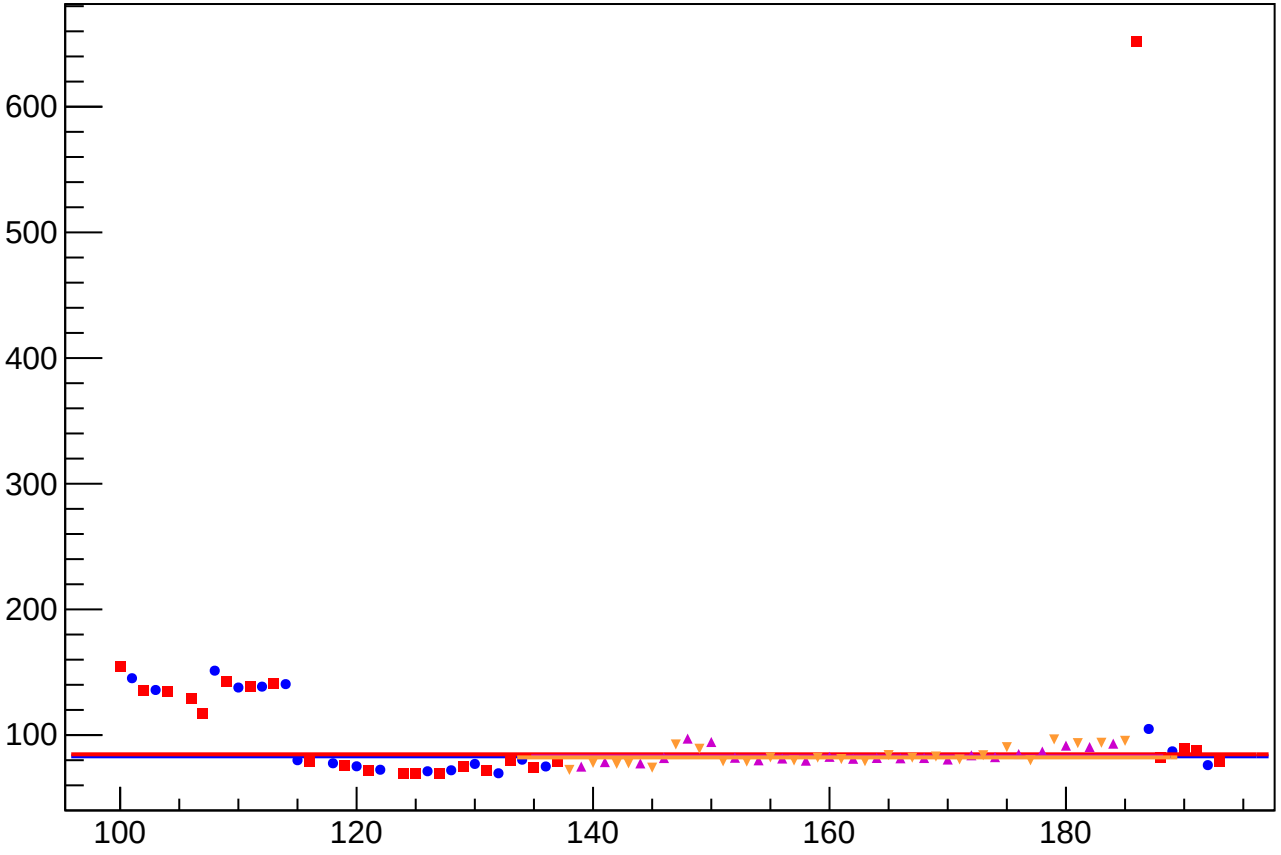
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -110.935+/-15.702 χ^2/NDF: 66.3/43

All: -14.997+/-11.186 χ^2/NDF: 210.7/90

- sign 83.871+/-15.940 χ^2/NDF: 68.6/46

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: 84.685+/-0.020 χ^2/NDF: 1749759.4/23

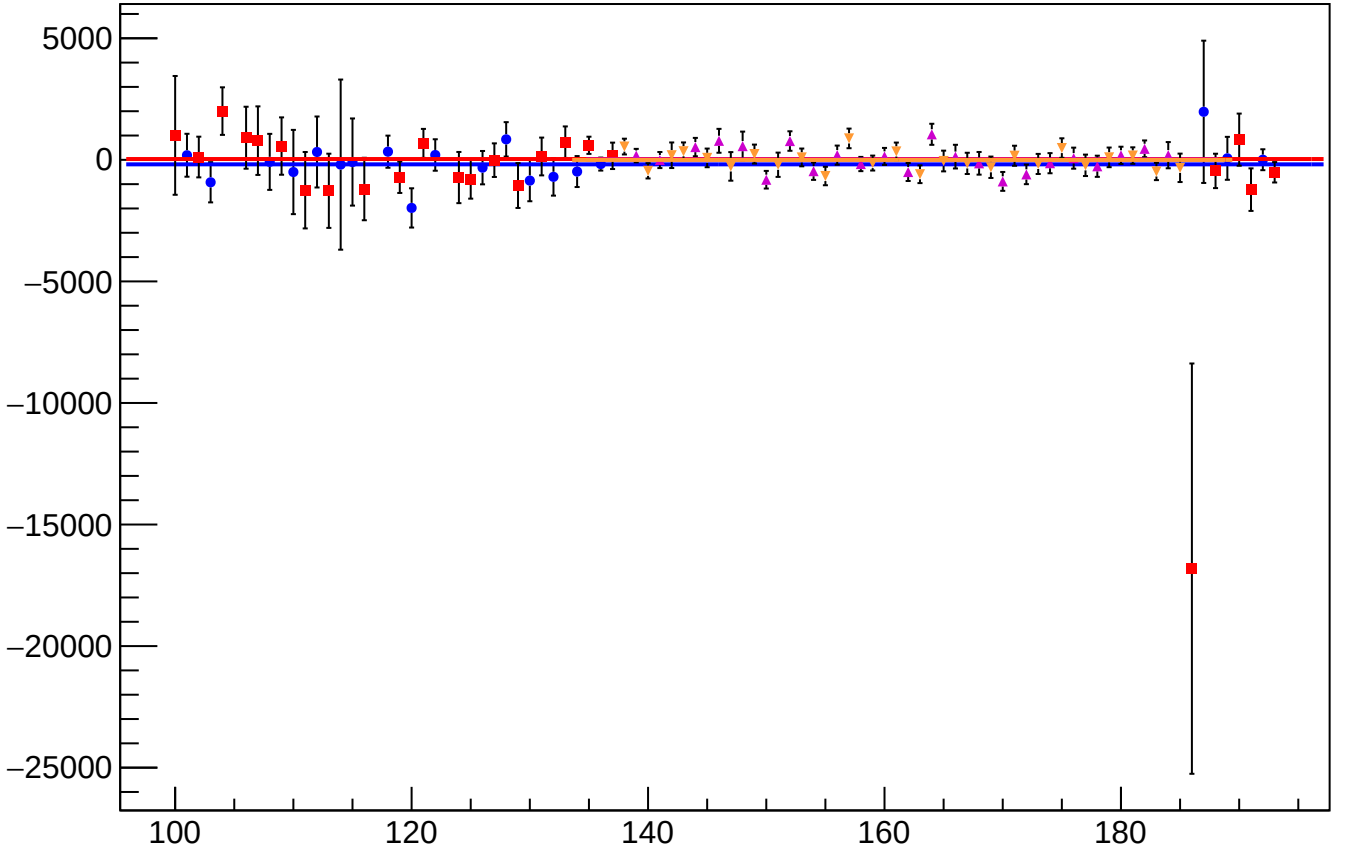
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 82.502+/-0.011 χ^2/NDF: 1287910.8/43

All: 83.017+/-0.008 χ^2/NDF: 3192610.0/90

- sign 83.548+/-0.011 χ^2/NDF: 1900333.6/46

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: 33.808+/-154.073 χ^2/NDF: 25.5/23

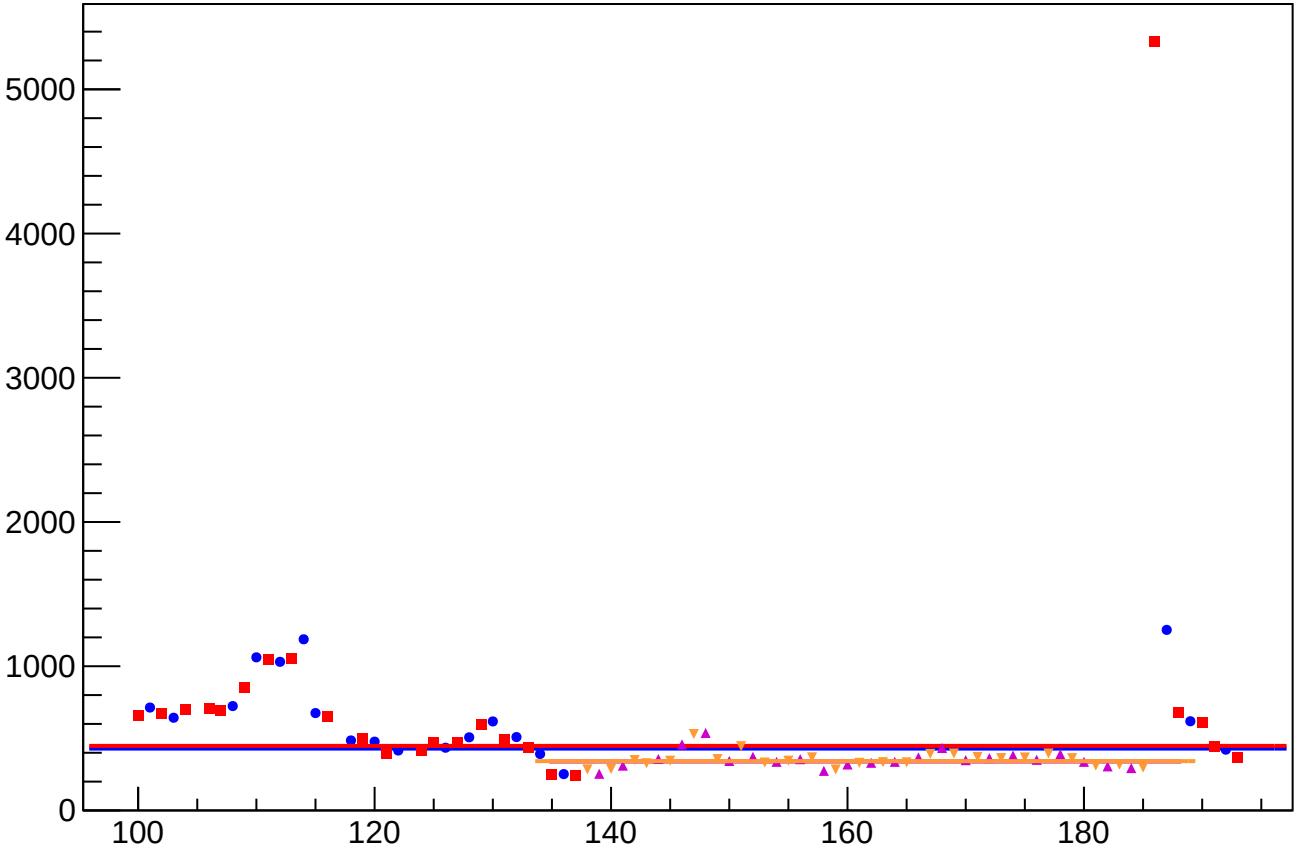
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -40.135+/-70.135 χ^2/NDF: 35.9/43

All: -10.448+/-49.995 χ^2/NDF: 96.7/90

- sign 20.220+/-71.285 χ^2/NDF: 60.5/46

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: 447.723+/-0.109 χ^2/NDF: 3311856.6/23

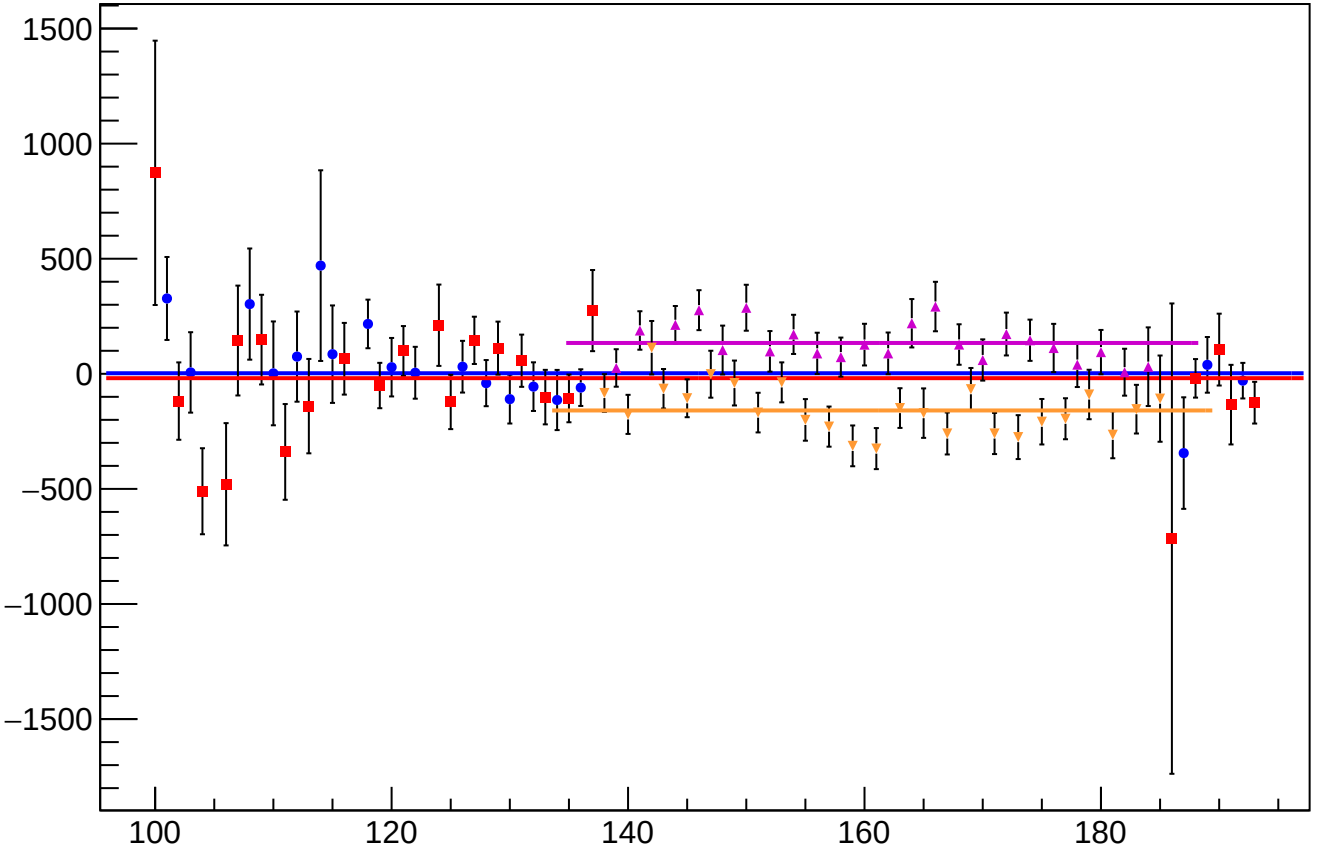
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 359.626+/-0.050 χ^2/NDF: 3663912.5/43

All: 361.095+/-0.035 χ^2/NDF: 8600799.3/90

- sign 362.612+/-0.050 χ^2/NDF: 4935104.1/46

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: -18.967+/-27.843 χ^2/NDF: 31.9/23

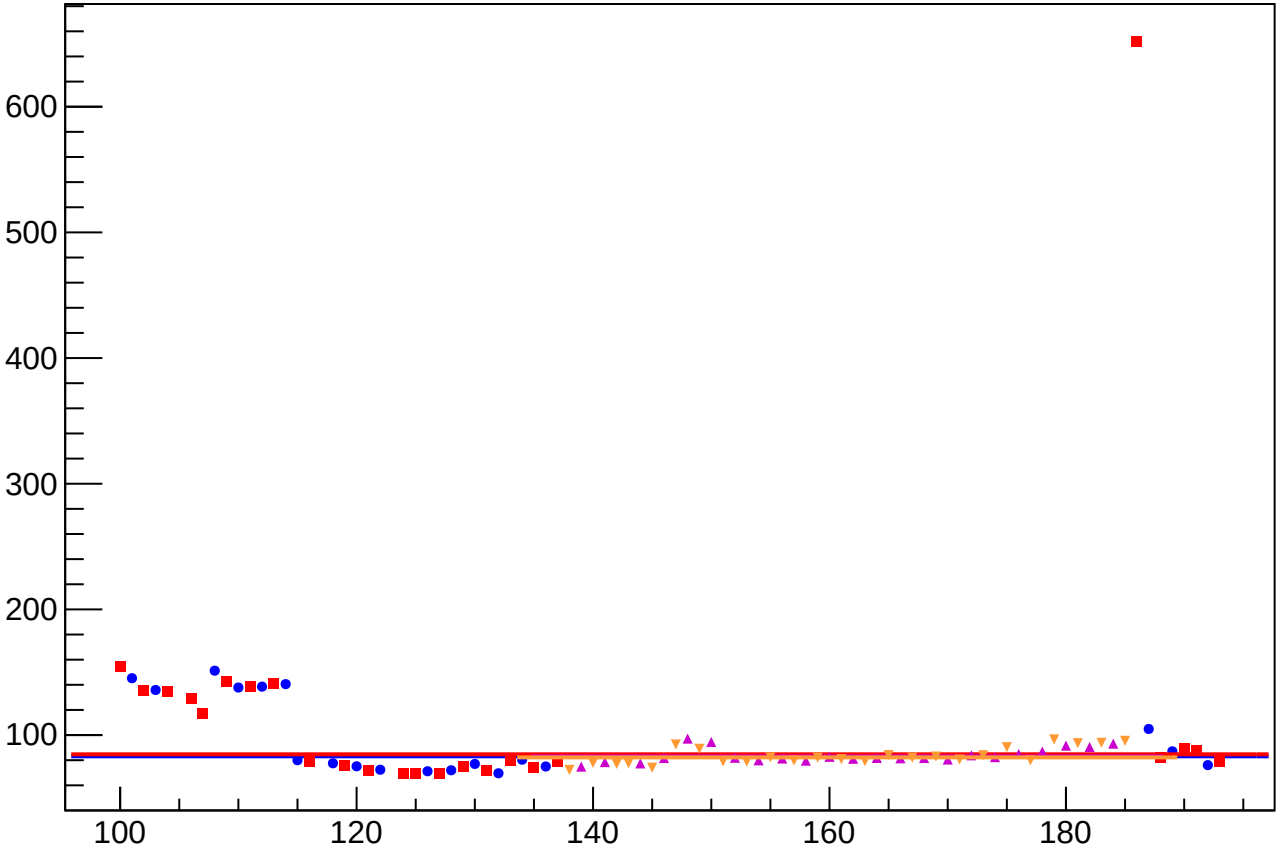
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -110.935+/-15.702 χ^2/NDF: 66.3/43

All: -14.997+/-11.186 χ^2/NDF: 210.7/90

- sign 83.872+/-15.940 χ^2/NDF: 68.6/46

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: 84.685+/-0.020 χ^2/NDF: 1749758.5/23

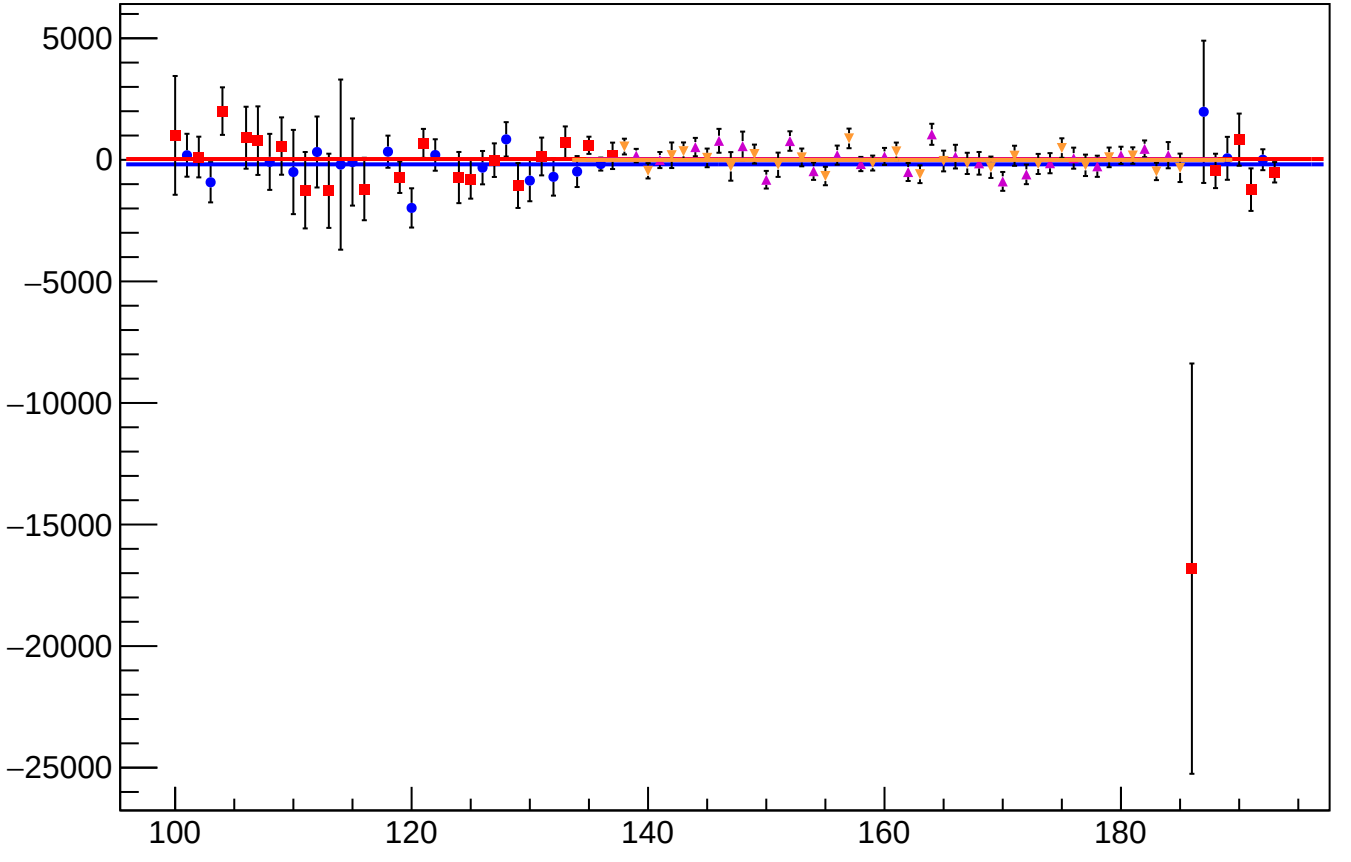
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 82.502+/-0.011 χ^2/NDF: 1287911.3/43

All: 83.017+/-0.008 χ^2/NDF: 3192607.6/90

- sign 83.548+/-0.011 χ^2/NDF: 1900330.7/46

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: 33.808+/-154.073 χ^2/NDF: 25.5/23

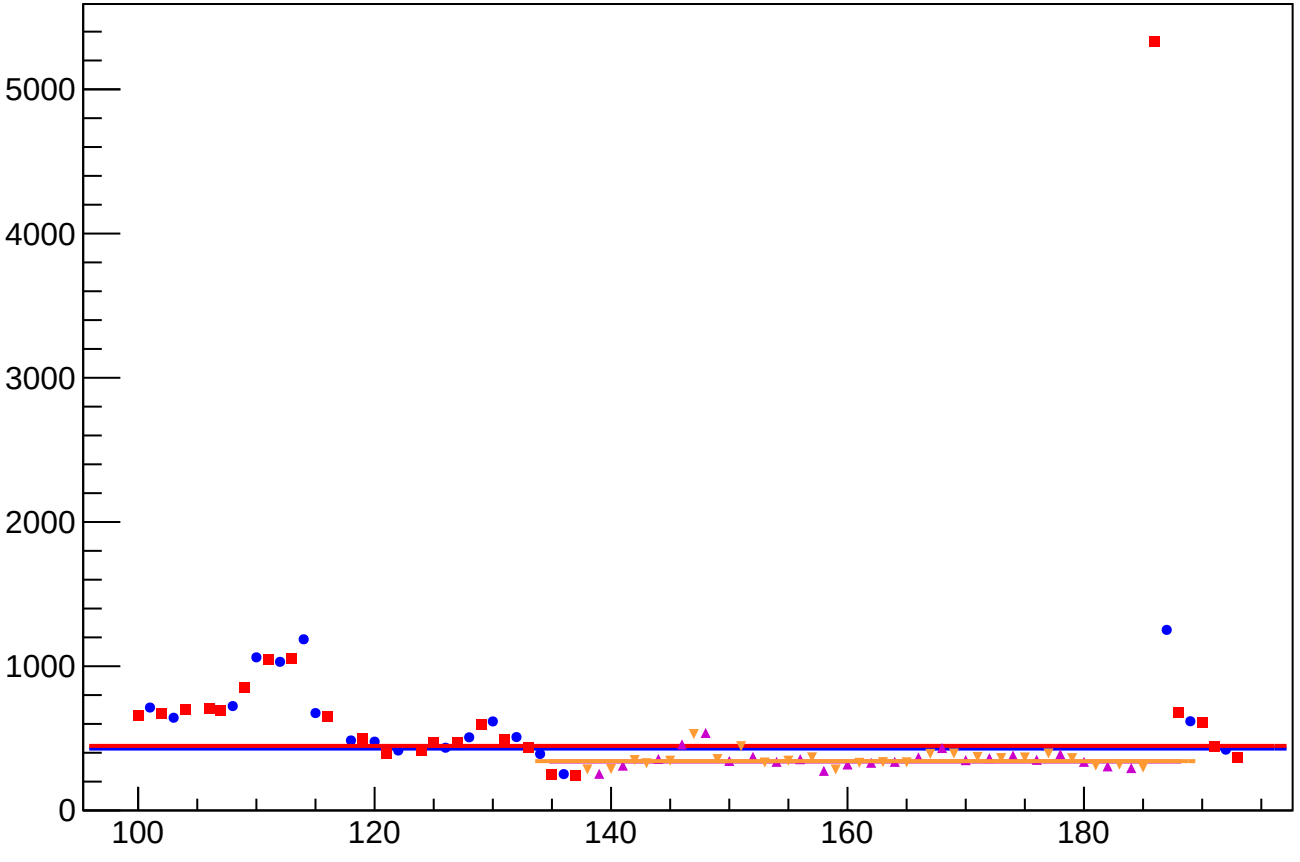
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -40.134+/-70.135 χ^2/NDF: 35.9/43

All: -10.448+/-49.995 χ^2/NDF: 96.7/90

- sign 20.220+/-71.285 χ^2/NDF: 60.5/46

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: 447.722+/-0.109 χ^2/NDF: 3311864.7/23

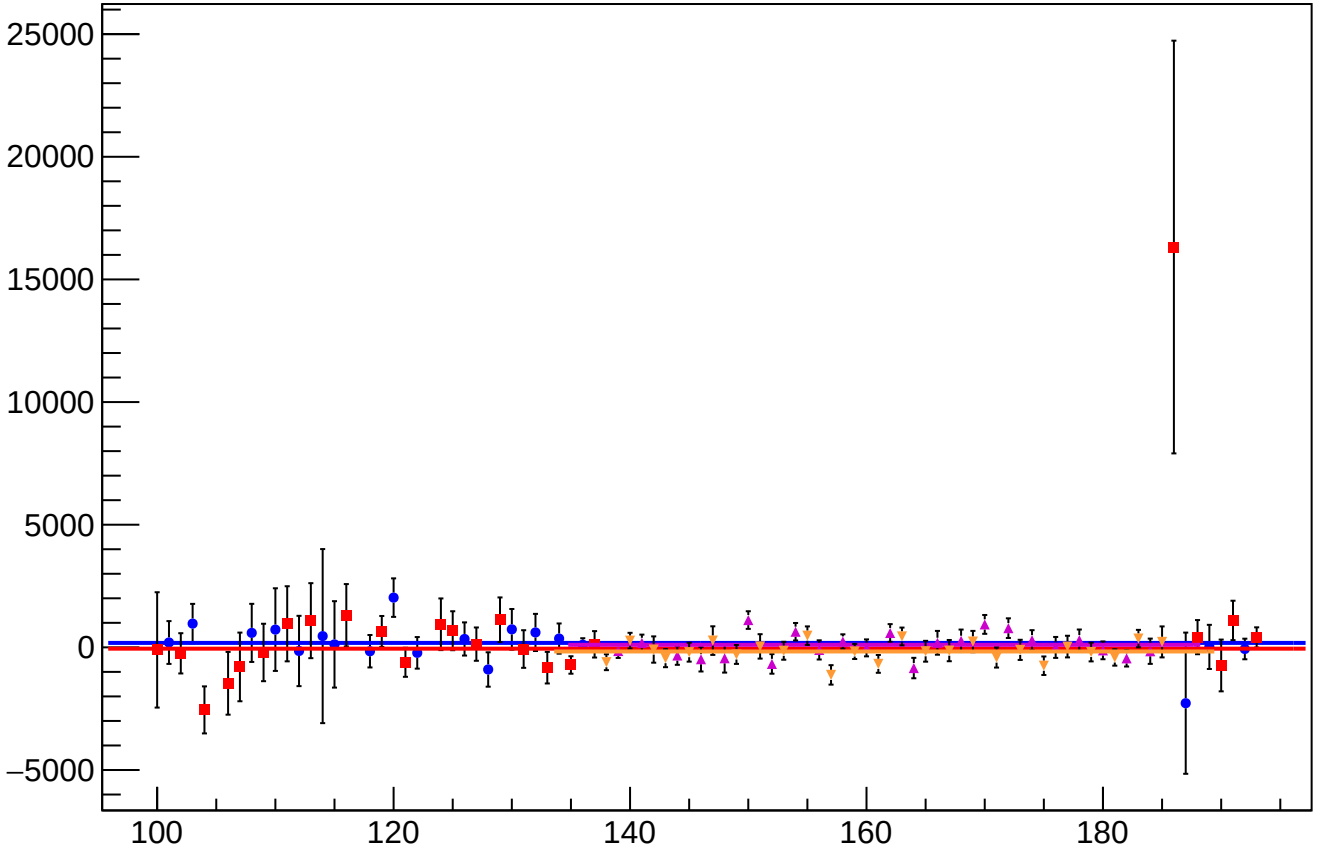
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 359.626+/-0.050 χ^2/NDF: 3663912.5/43

All: 361.094+/-0.035 χ^2/NDF: 8600800.4/90

- sign 362.611+/-0.050 χ^2/NDF: 4935105.3/46

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: -53.276+/-152.189 χ^2/NDF: 29.1/23

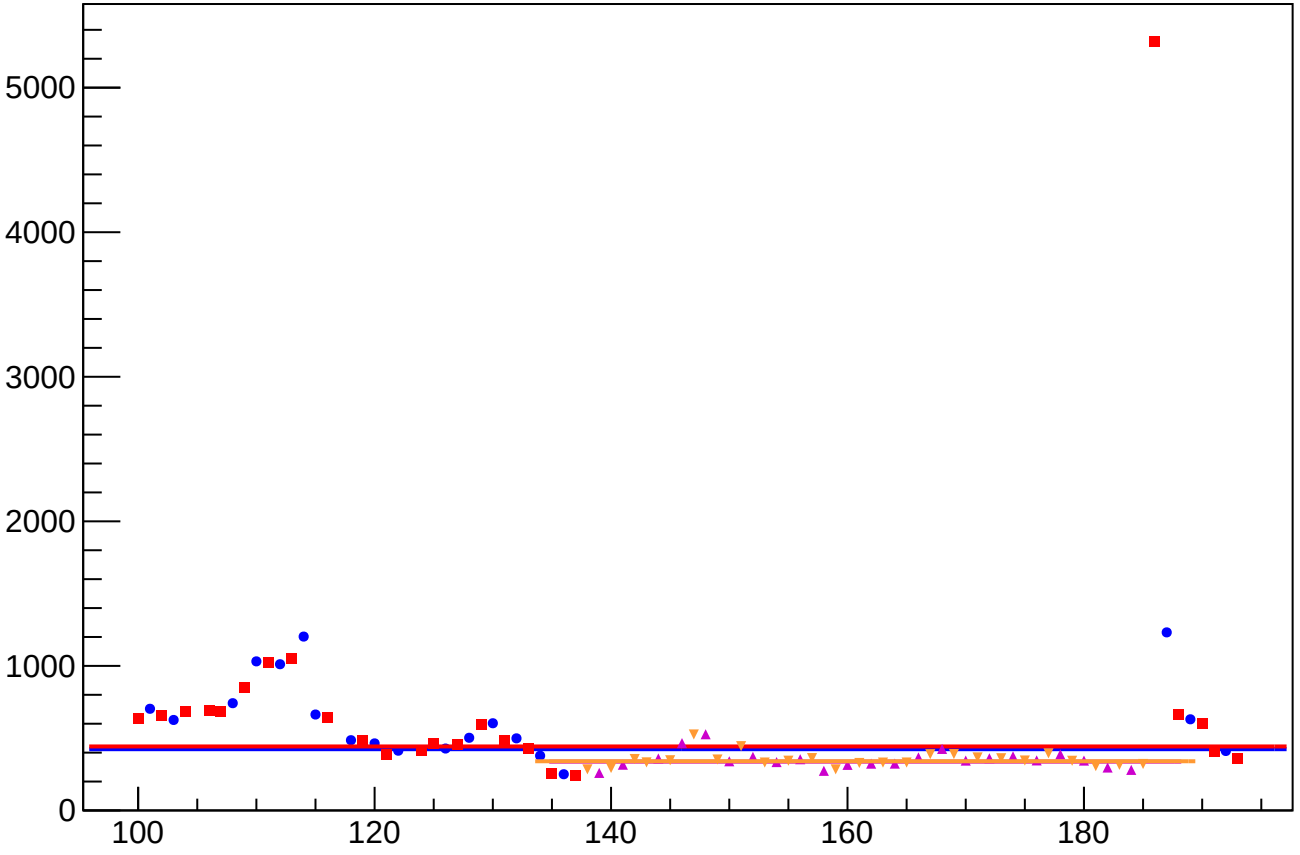
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -95.656+/-69.674 χ^2/NDF: 41.6/43

All: -14.183+/-49.664 χ^2/NDF: 111.8/90

- sign 69.965+/-70.809 χ^2/NDF: 67.4/46

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: 442.725+/-0.108 χ^2/NDF: 3245751.3/23

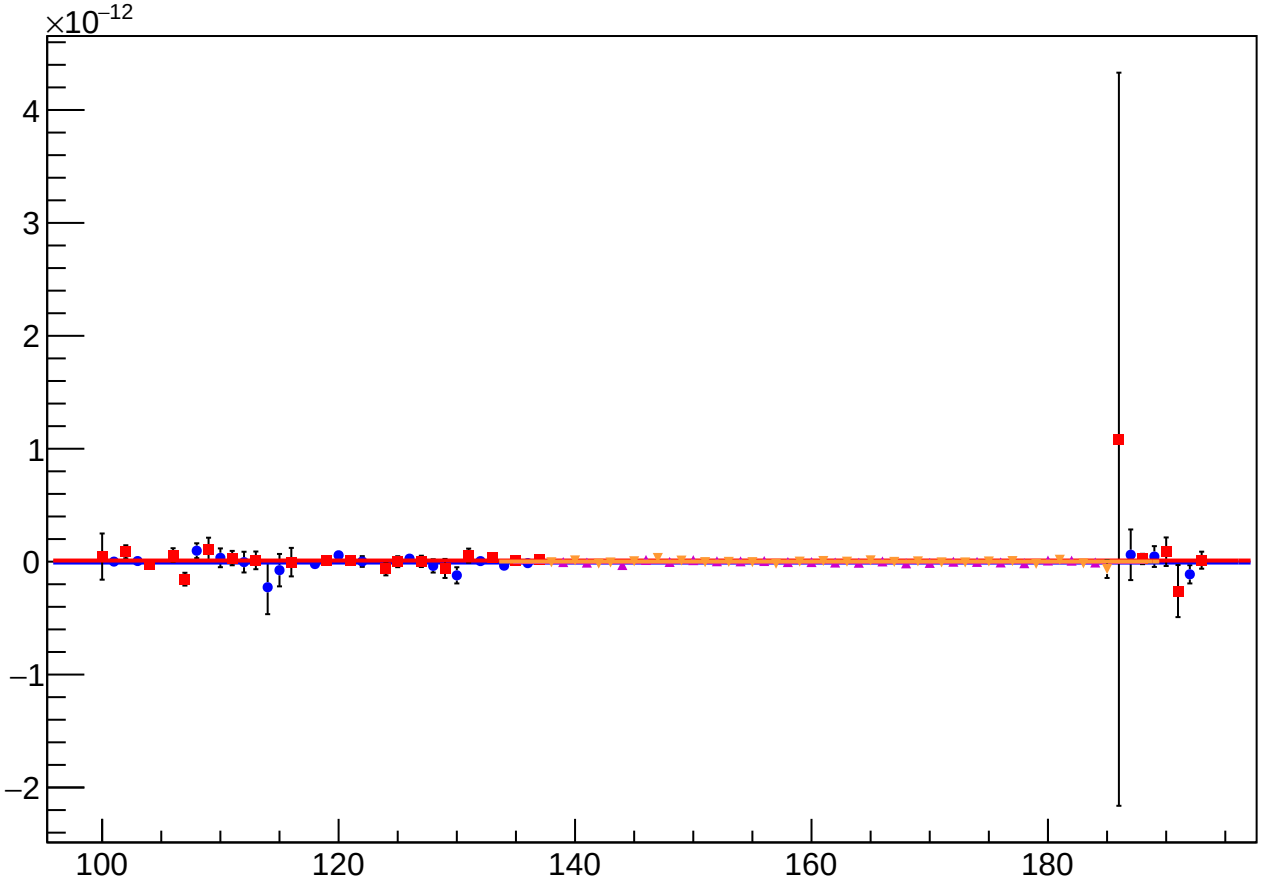
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 357.556+/-0.049 χ^2/NDF: 3566229.8/43

All: 358.995+/-0.035 χ^2/NDF: 8379828.1/90

- sign 360.482+/-0.050 χ^2/NDF: 4811863.0/46

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

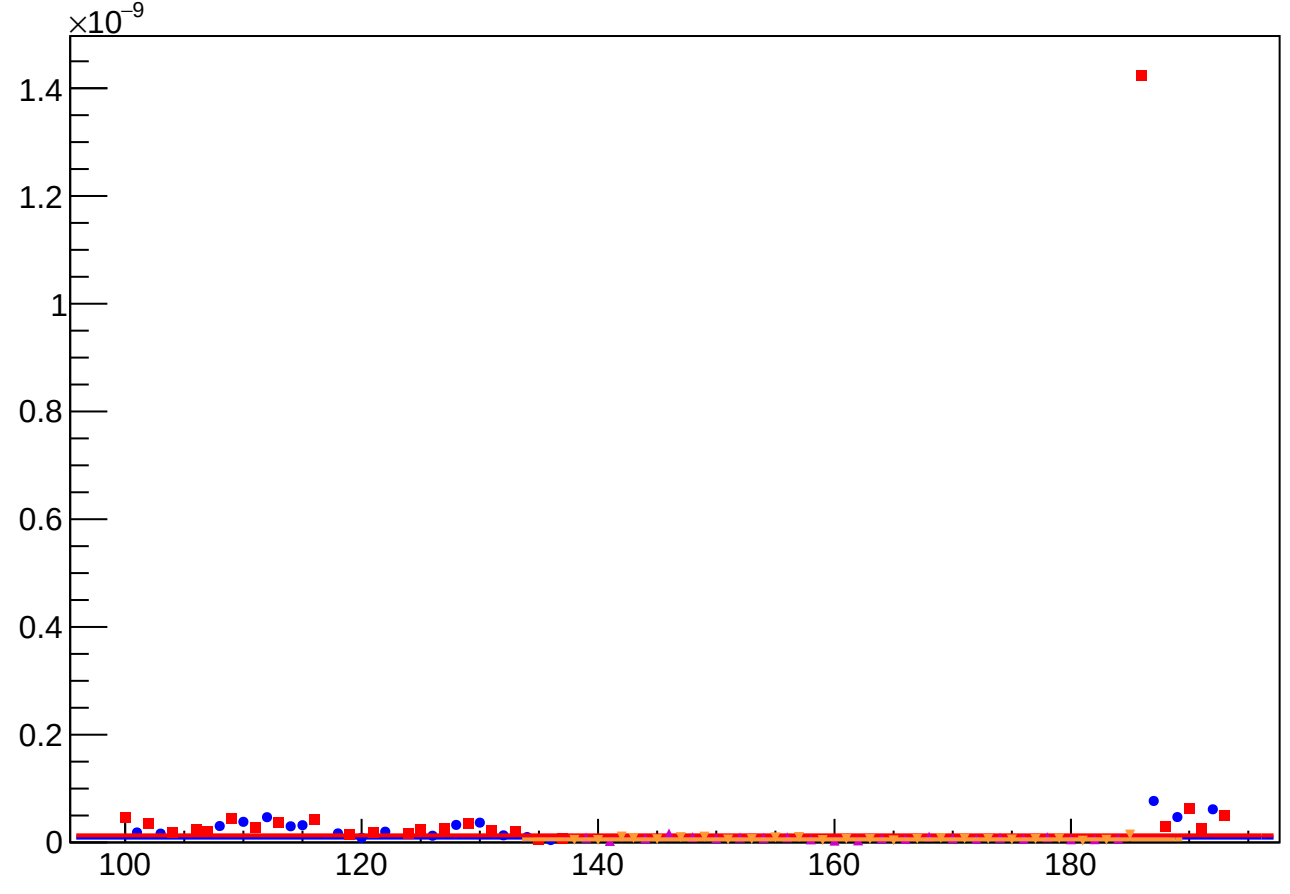
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/23

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: 68.3/90

- sign -0.000+/-0.000 χ^2/NDF: 32.8/46



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: 4243813.9/23

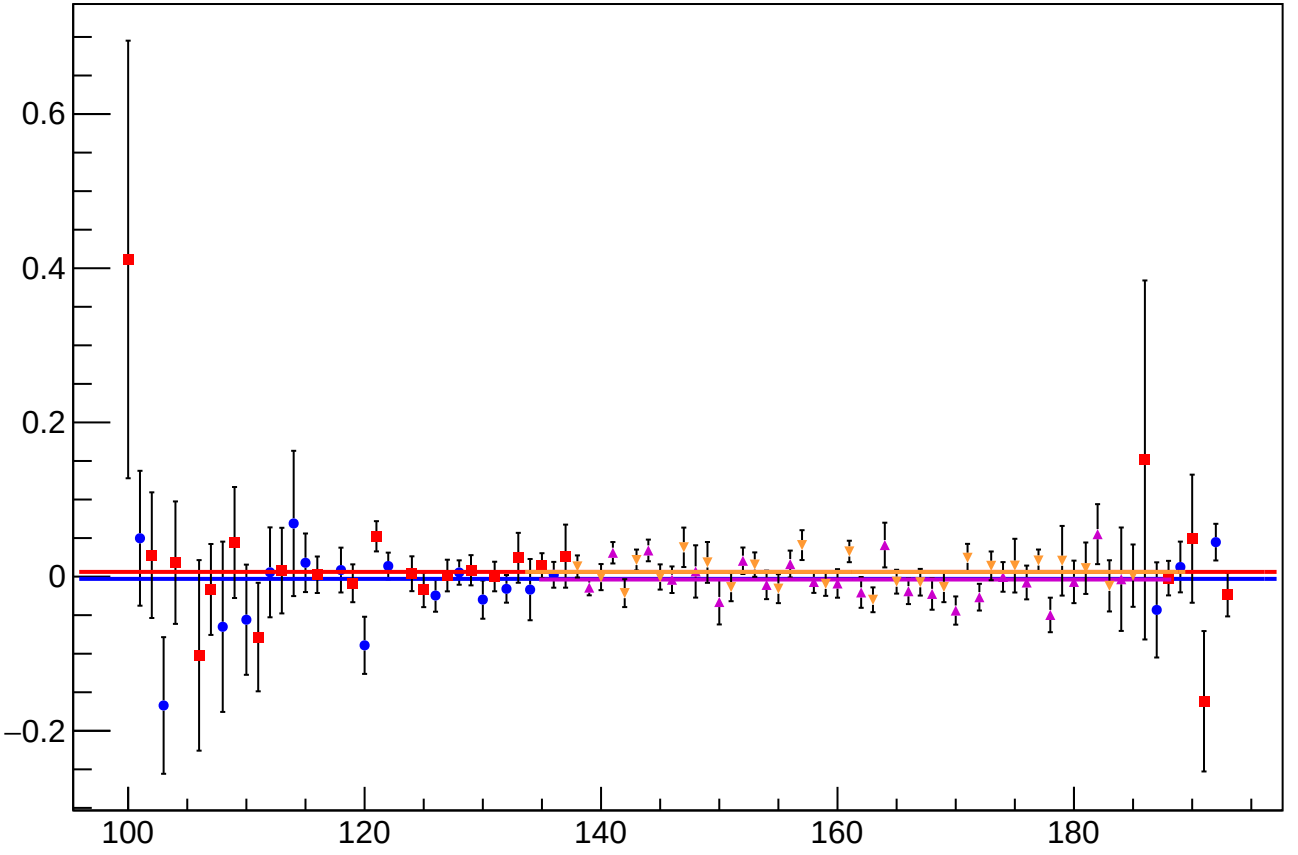
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 5766348.4/43

All: 0.000+/-0.000 χ^2/NDF: 13433756.4/90

- sign 0.000+/-0.000 χ^2/NDF: 7578176.2/46

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: 0.006+/-0.006 χ^2/NDF: 18.1/23

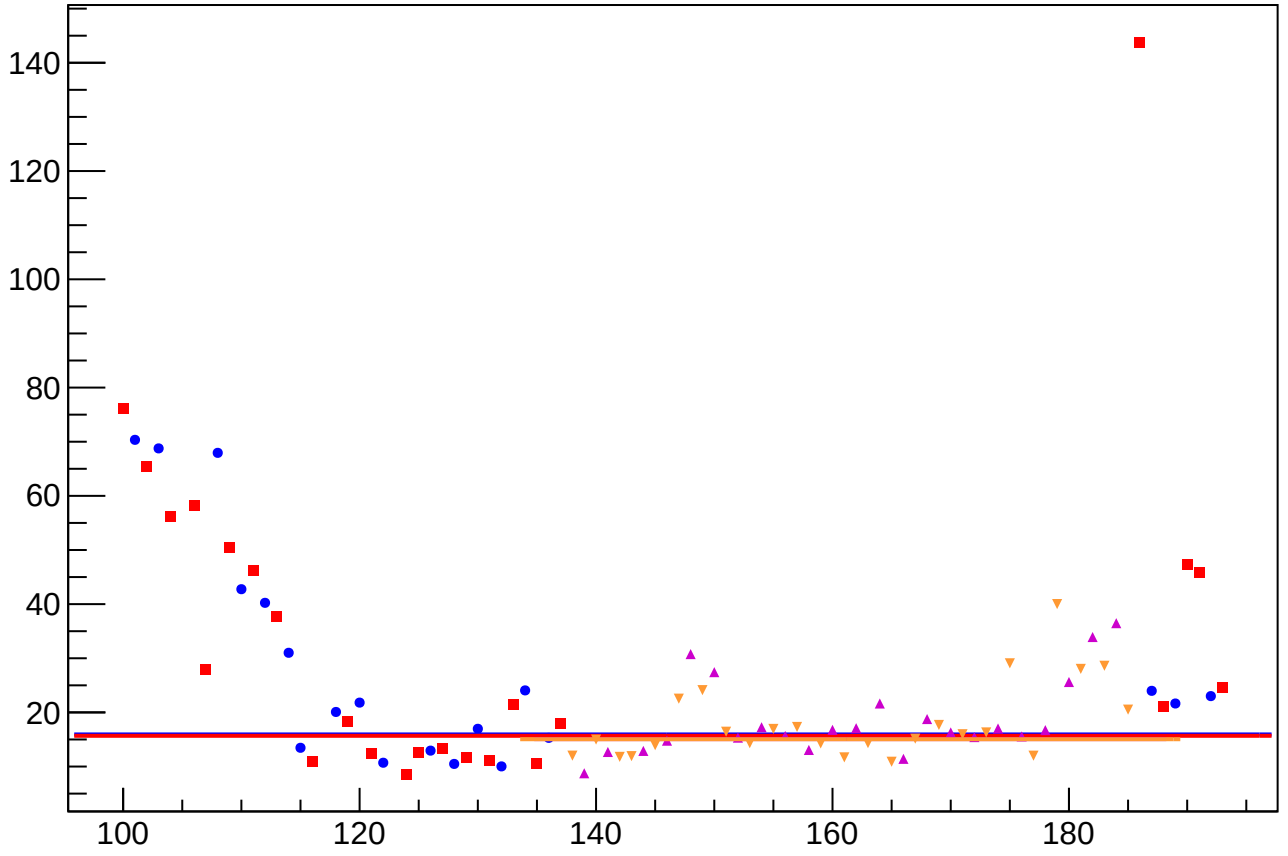
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/43

All: 0.001+/-0.002 χ^2/NDF: 106.3/90

- sign -0.001+/-0.003 χ^2/NDF: 57.1/46

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: 15.680+/-0.004 χ^2/NDF: 5150437.8/23

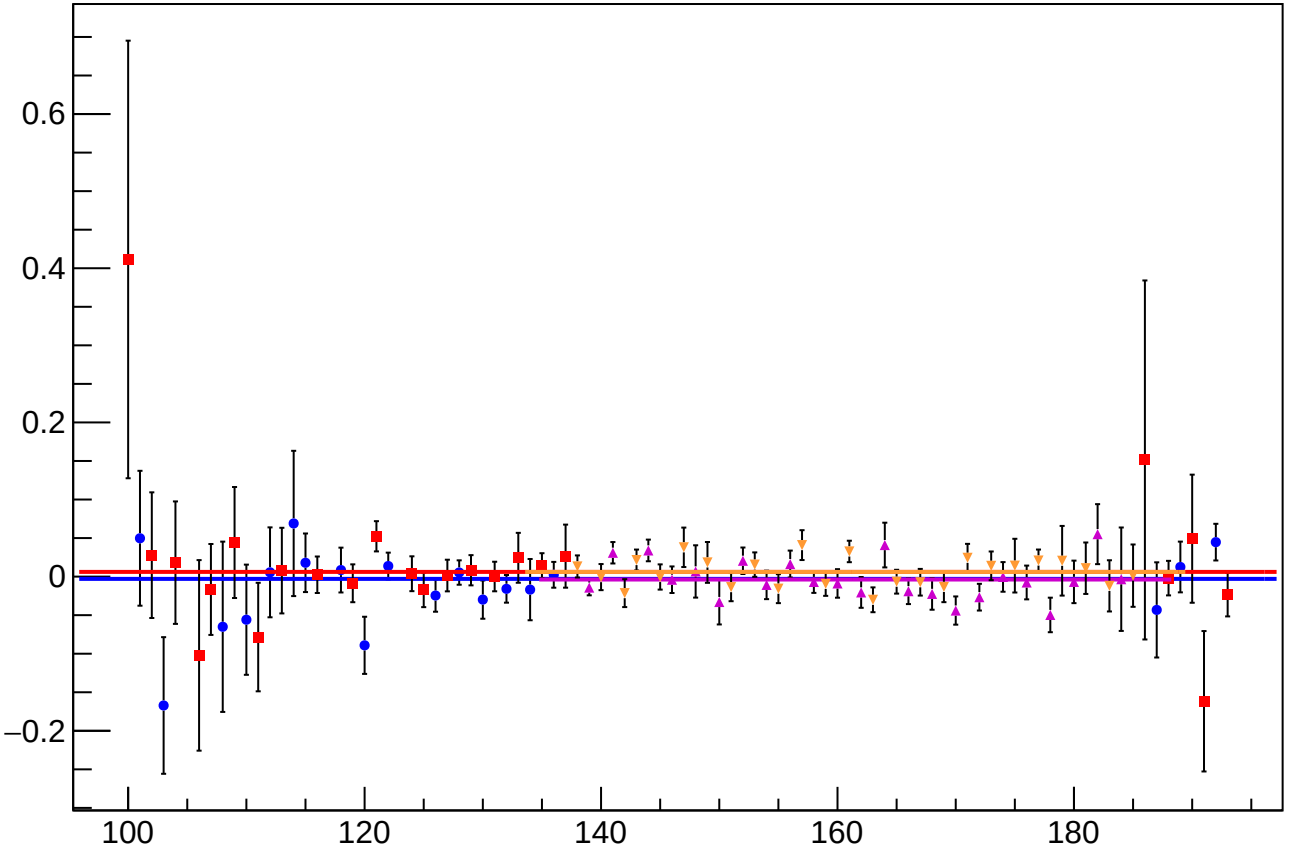
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

\+ sign 15.270+/-0.002 χ^2/NDF: 6533303.0/43

All: 15.258+/-0.002 χ^2/NDF: 14765284.8/90

\- sign 15.246+/-0.002 χ^2/NDF: 8231929.2/46

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: 0.006+/-0.006 χ^2/NDF: 18.1/23

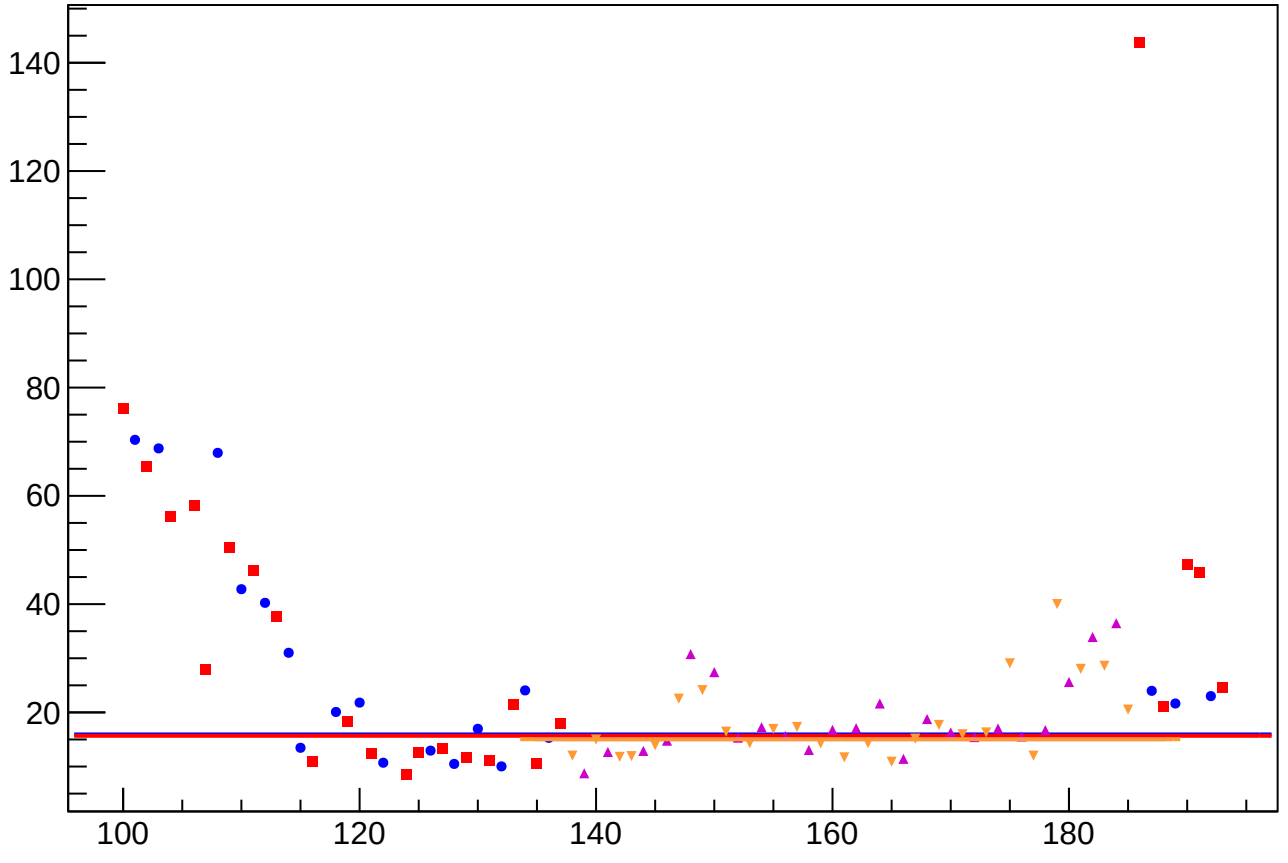
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/43

All: 0.001+/-0.002 χ^2/NDF: 106.3/90

- sign -0.001+/-0.003 χ^2/NDF: 57.1/46

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: 15.680+/-0.004 χ^2/NDF: 5150437.8/23

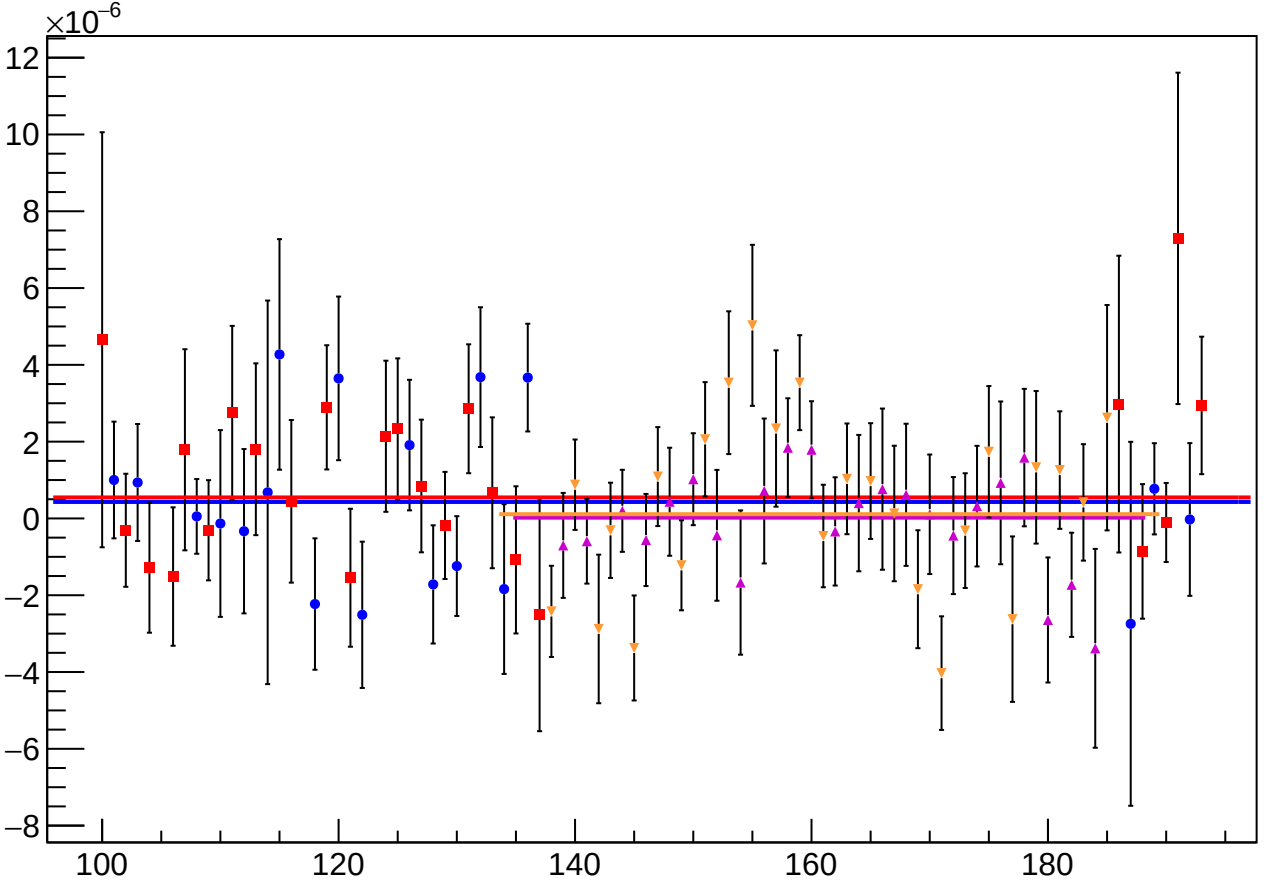
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

\+ sign 15.270+/-0.002 χ^2/NDF: 6533303.0/43

All: 15.258+/-0.002 χ^2/NDF: 14765284.8/90

\- sign 15.246+/-0.002 χ^2/NDF: 8231929.2/46

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: 20.0/23

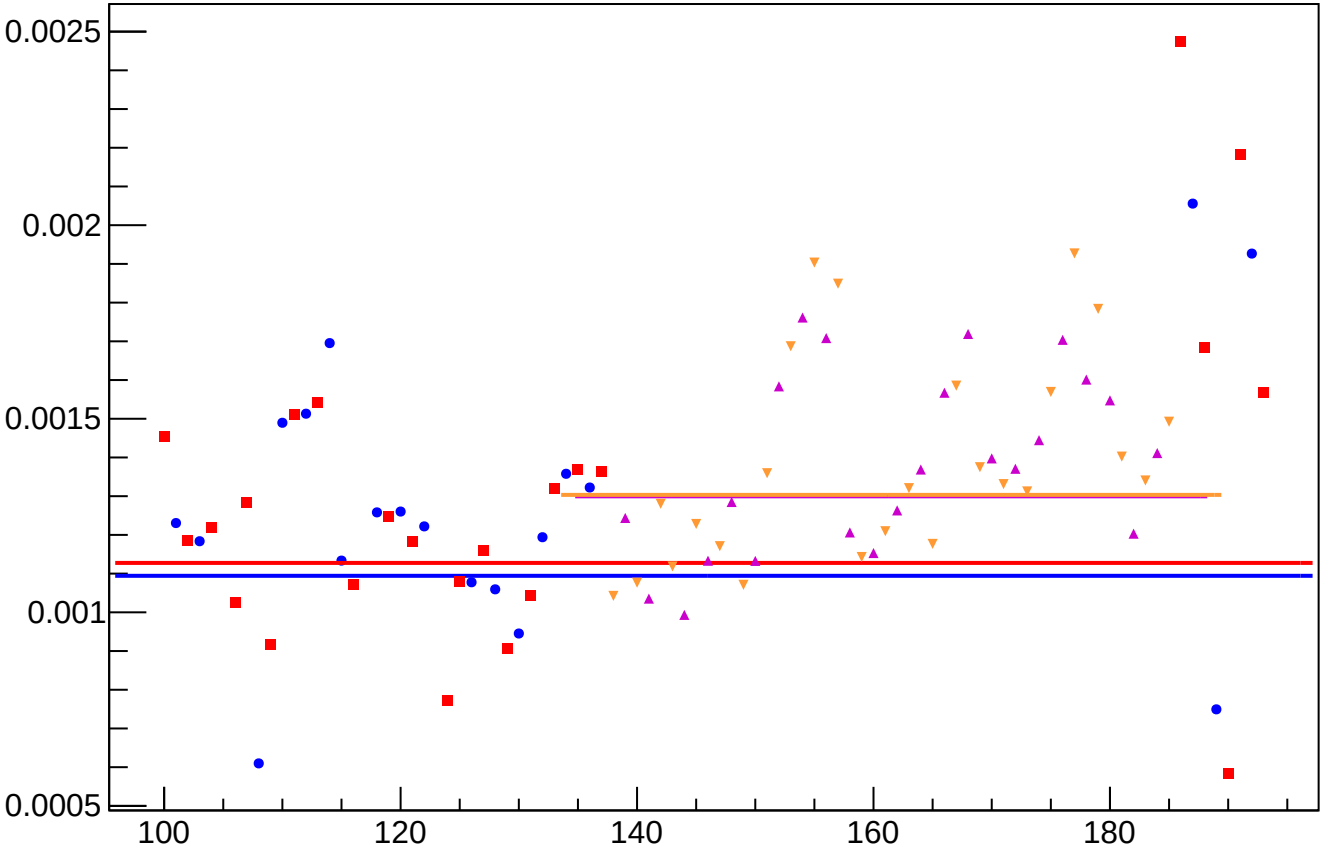
Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.2/43

All: 0.000+/-0.000 χ^2/NDF: 109.5/90

- sign 0.000+/-0.000 χ^2/NDF: 35.3/46

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



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: 1650546.6/23

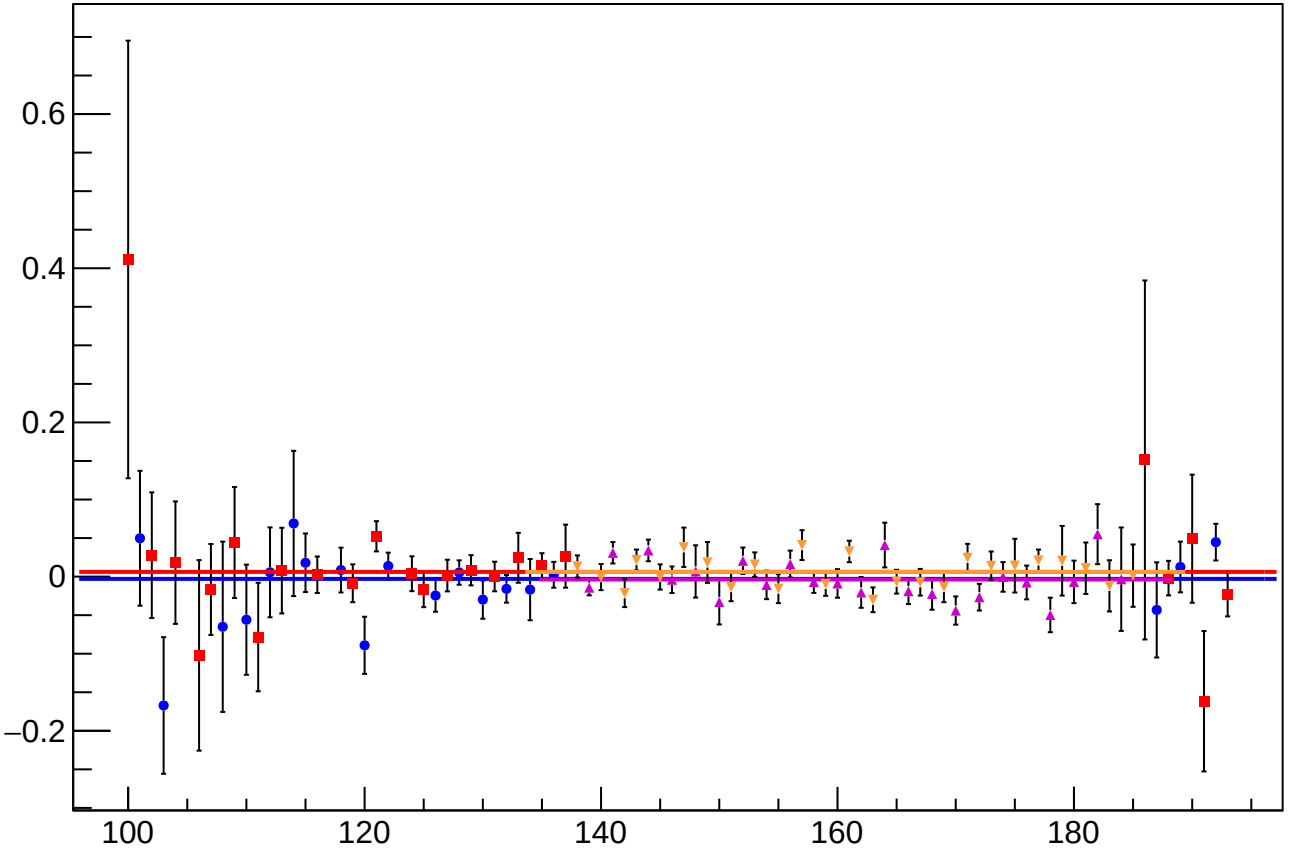
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 2977903.3/43

All: 0.001+/-0.000 χ^2/NDF: 5909136.9/90

- sign 0.001+/-0.000 χ^2/NDF: 2930865.2/46

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: 0.006+/-0.006 χ^2/NDF: 18.1/23

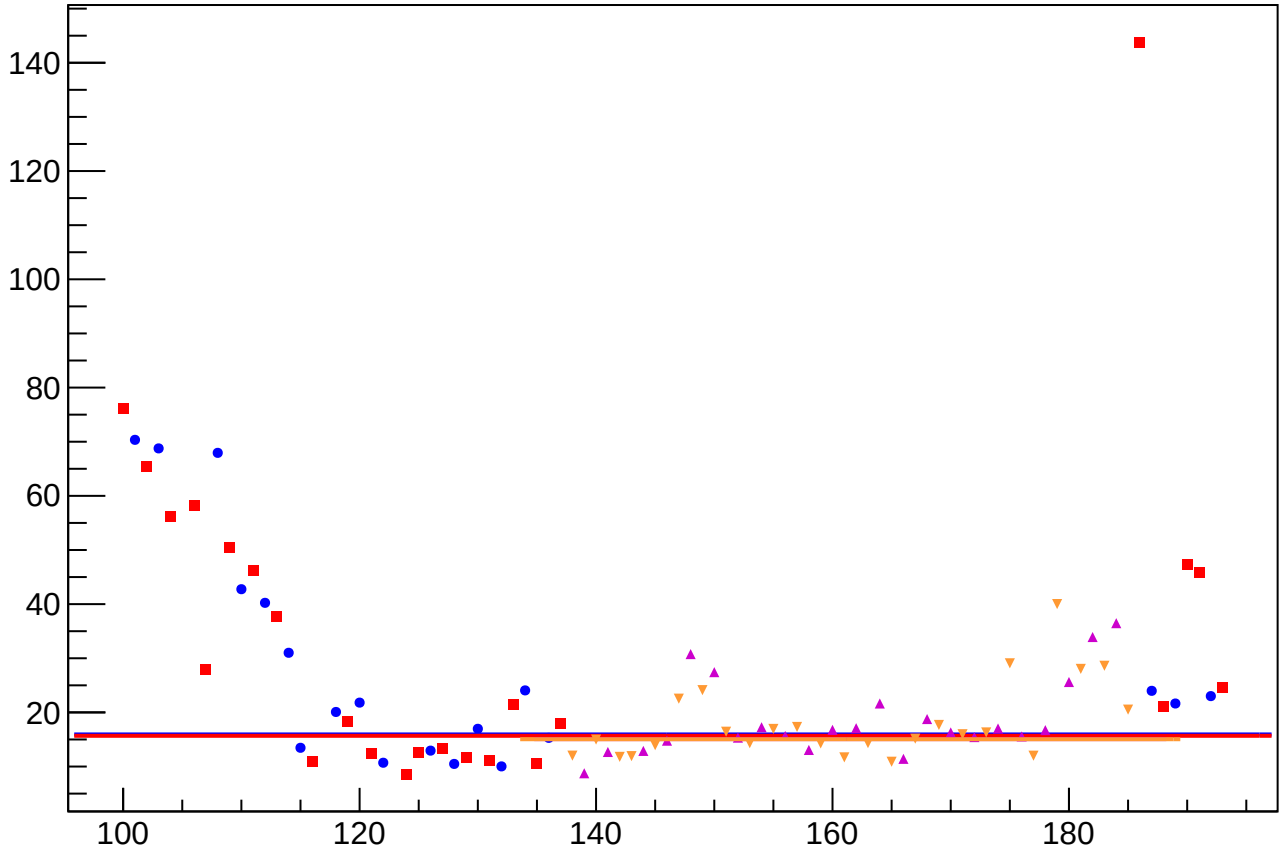
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/43

All: 0.001+/-0.002 χ^2/NDF: 106.3/90

- sign -0.001+/-0.003 χ^2/NDF: 57.1/46

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

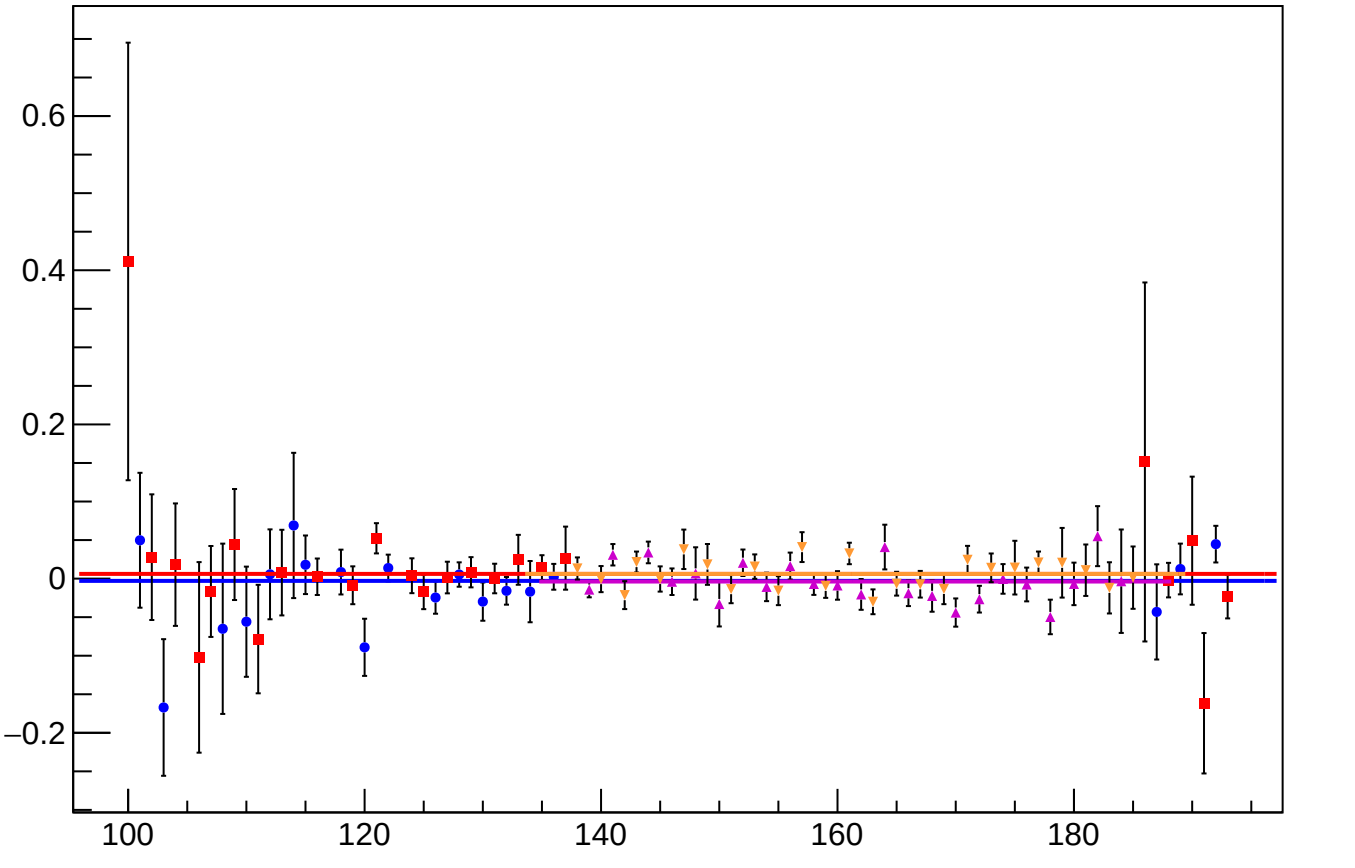
Right Out: 15.680+/-0.004 χ^2/NDF: 5150422.9/23

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

\+ sign 15.269+/-0.002 χ^2/NDF: 6533527.2/43

All: 15.258+/-0.002 χ^2/NDF: 14765541.0/90

\- sign 15.246+/-0.002 χ^2/NDF: 8231961.5/46



Right In: -0.003+/-0.006 χ^2/NDF: 20.0/18

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.006+/-0.006 χ^2/NDF: 18.1/23

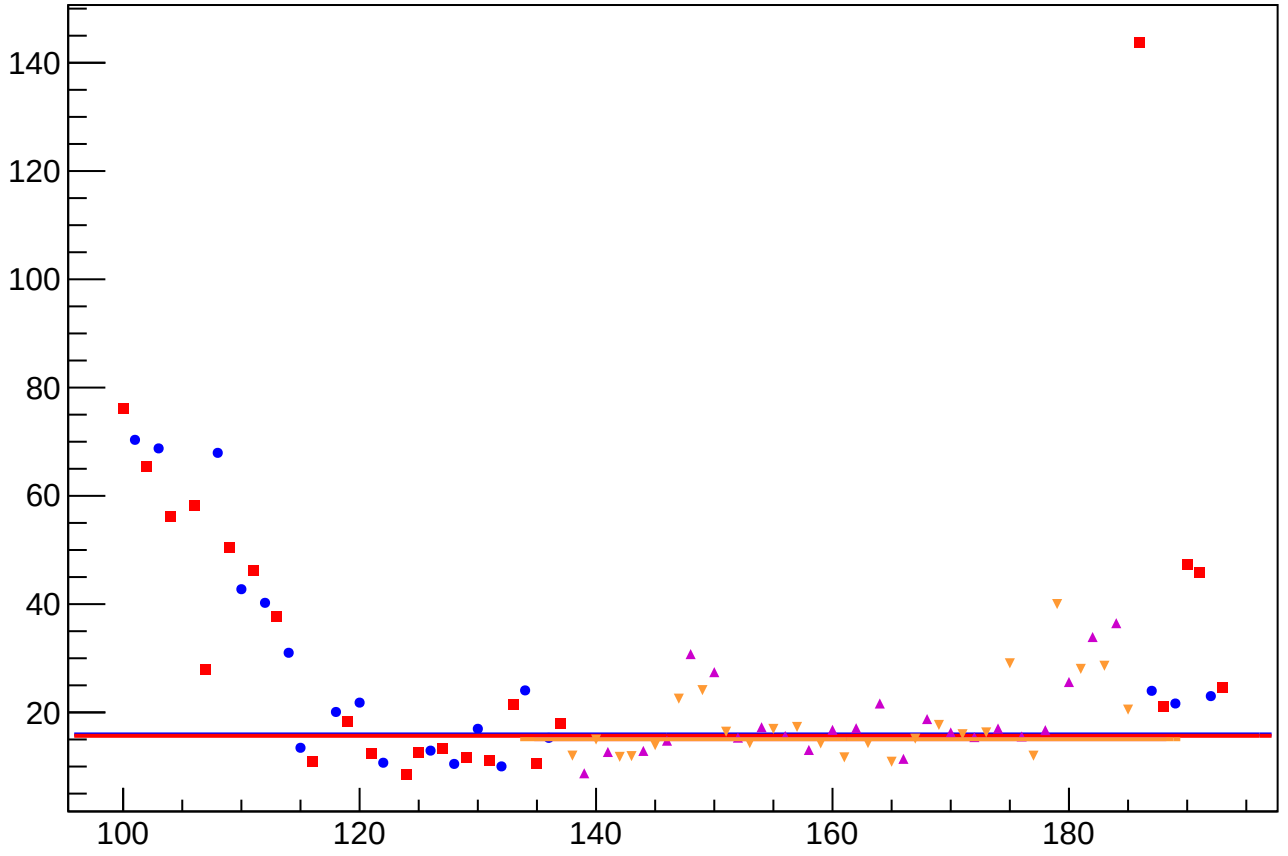
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/43

All: 0.001+/-0.002 χ^2/NDF: 106.3/90

- sign -0.001+/-0.003 χ^2/NDF: 57.1/46

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

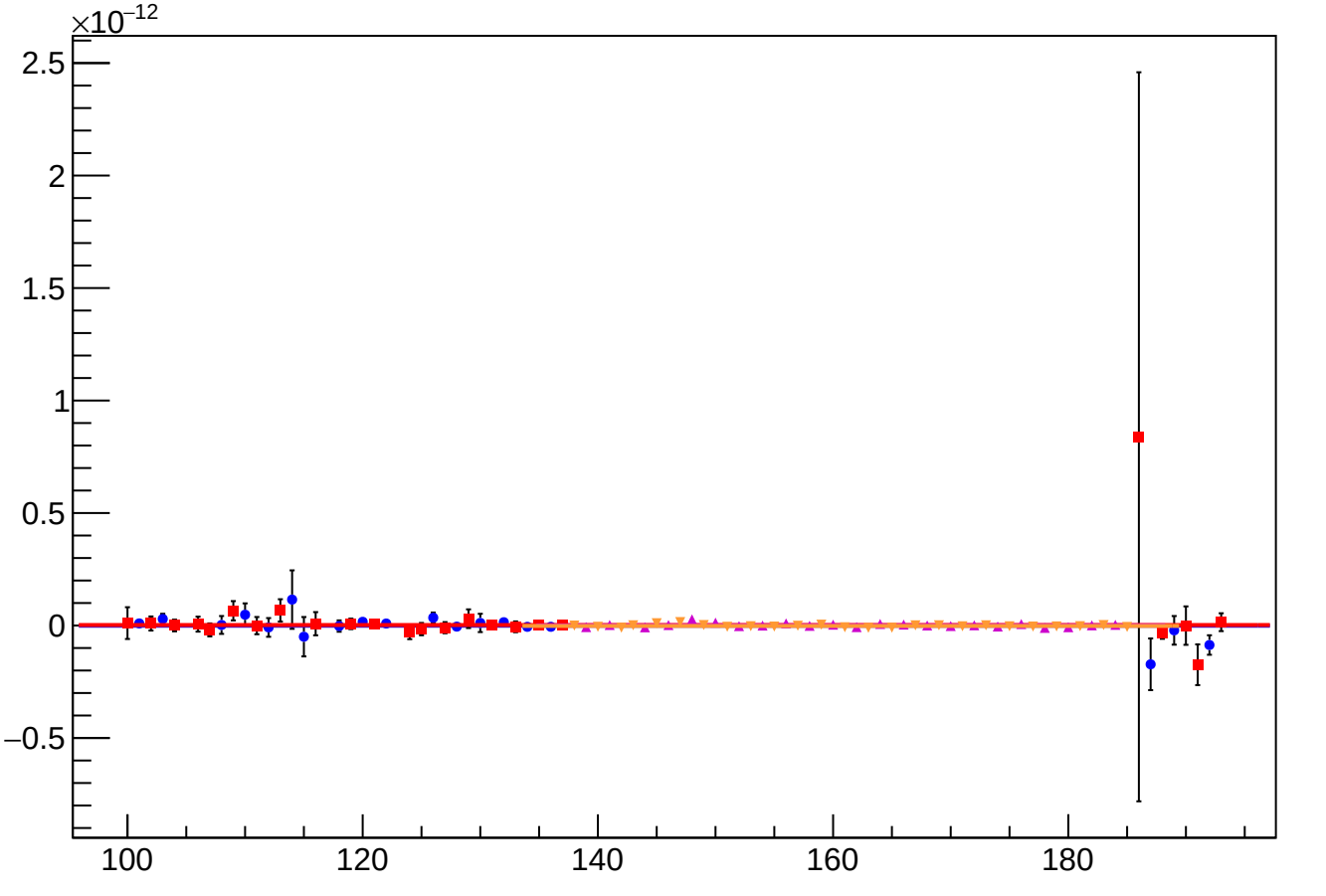
Right Out: 15.680+/-0.004 χ^2/NDF: 5150422.9/23

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

\+ sign 15.269+/-0.002 χ^2/NDF: 6533527.2/43

All: 15.258+/-0.002 χ^2/NDF: 14765541.0/90

\- sign 15.246+/-0.002 χ^2/NDF: 8231961.5/46



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: 13.2/23

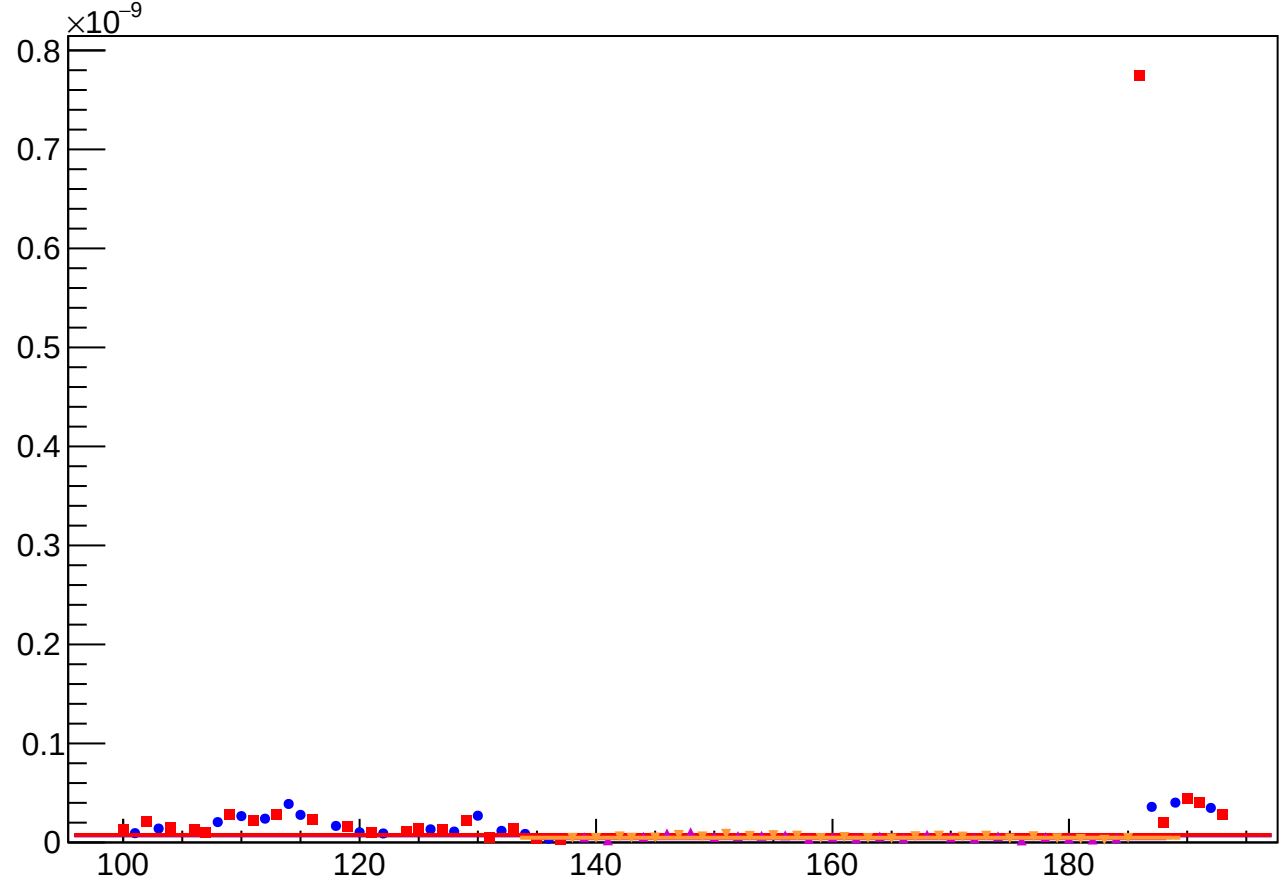
Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.8/43

All: -0.000+/-0.000 χ^2/NDF: 67.5/90

- sign 0.000+/-0.000 χ^2/NDF: 34.7/46

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: 6391056.5/23

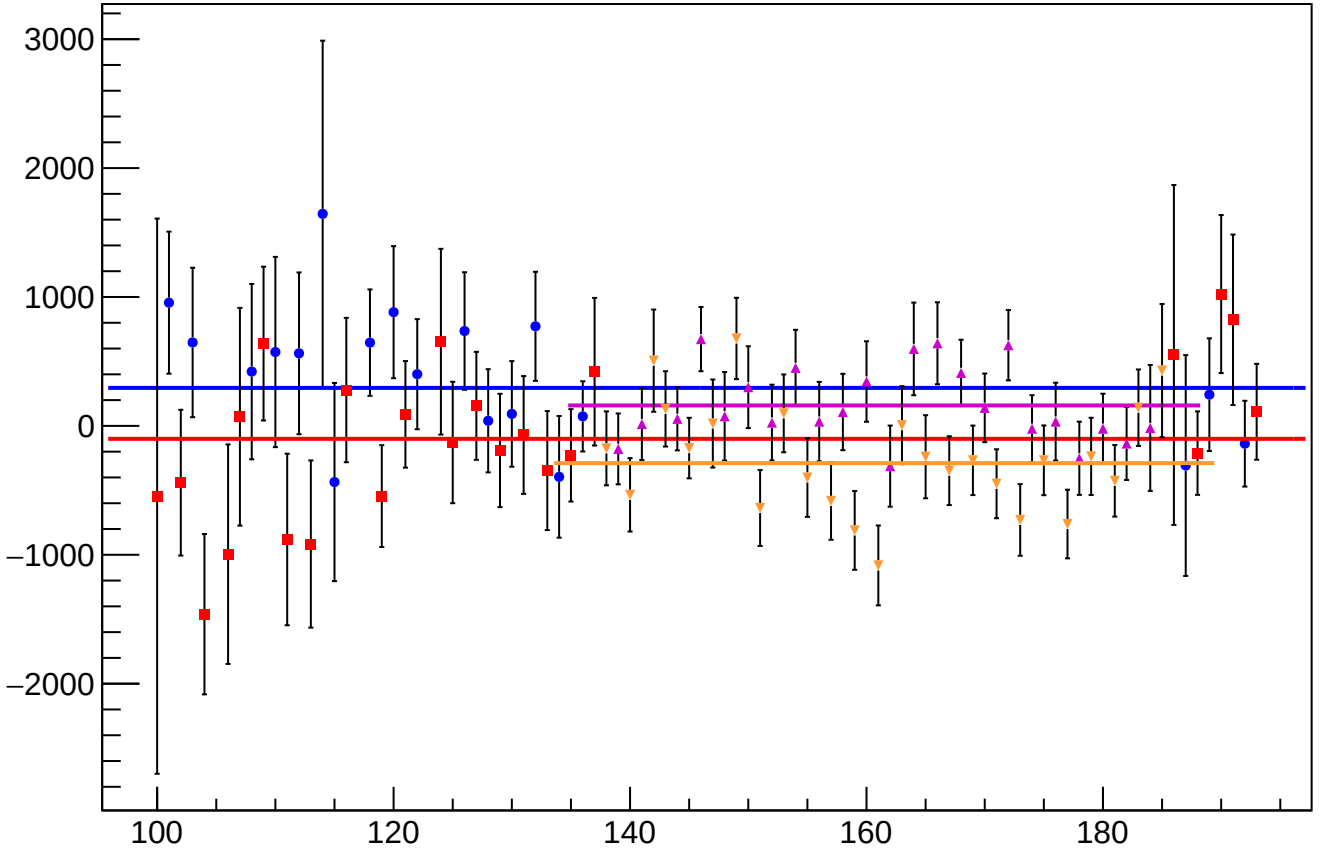
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7834922.1/43

All: 0.000+/-0.000 χ^2/NDF: 19135253.6/90

- sign 0.000+/-0.000 χ^2/NDF: 11186447.0/46

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: -100.399+/-104.534 χ^2/NDF: 21.5/23

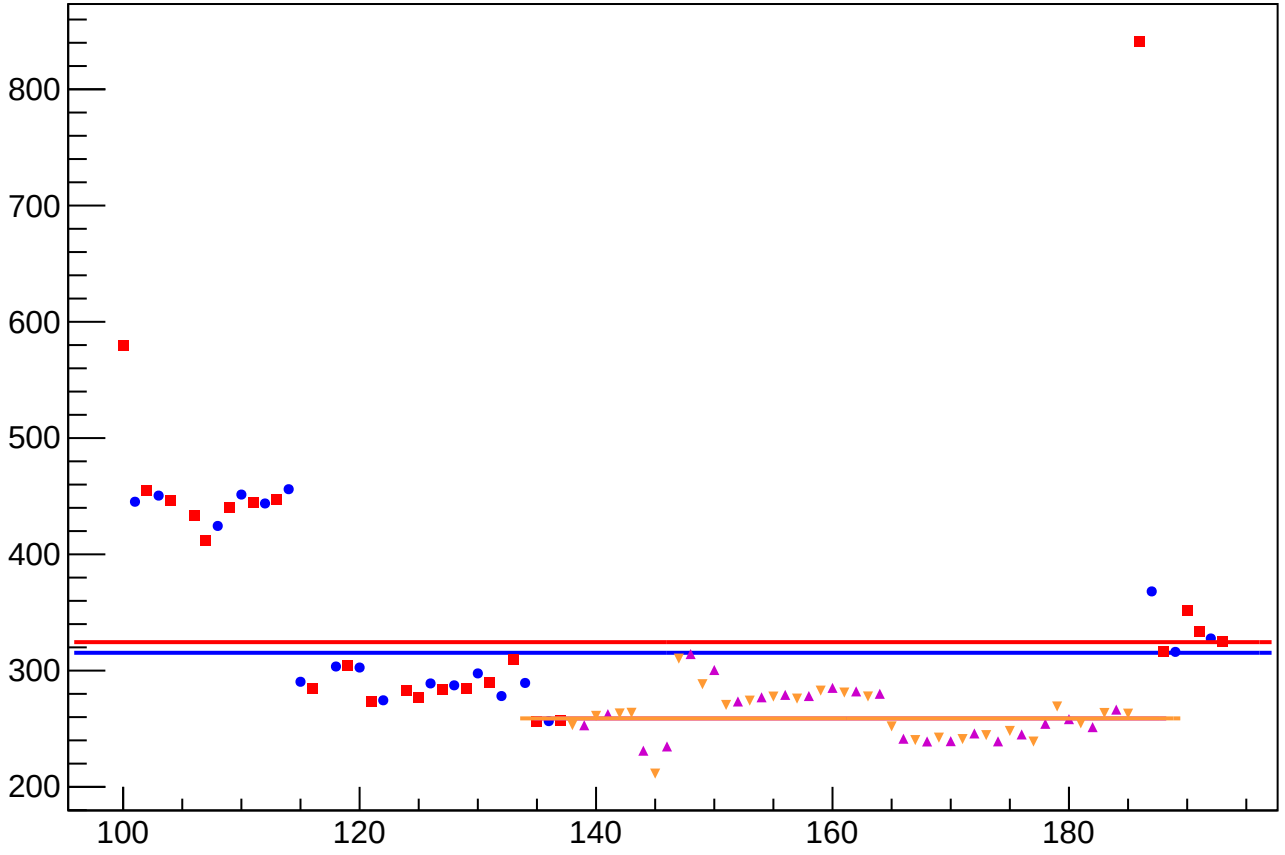
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -153.829+/-51.755 χ^2/NDF: 79.1/43

All: -32.034+/-36.856 χ^2/NDF: 138.9/90

- sign 93.280+/-52.497 χ^2/NDF: 48.6/46

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: 324.486+/-0.074 χ^2/NDF: 1013224.7/23

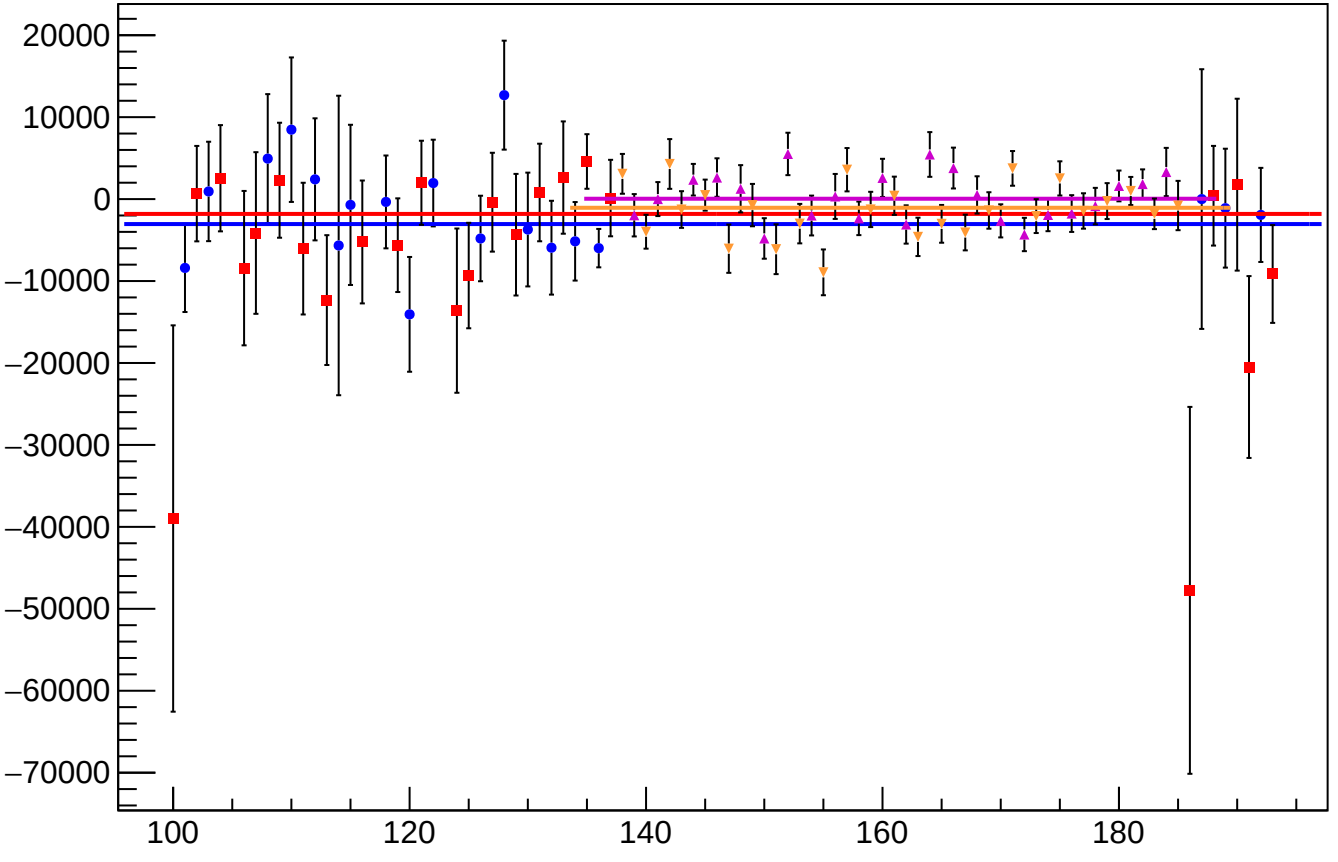
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 271.969+/-0.037 χ^2/NDF: 1285001.7/43

All: 273.659+/-0.026 χ^2/NDF: 3137258.2/90

- sign 275.398+/-0.037 χ^2/NDF: 1847927.6/46

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: -1809.023+/-1343.103 χ^2/NDF: 23.5/23

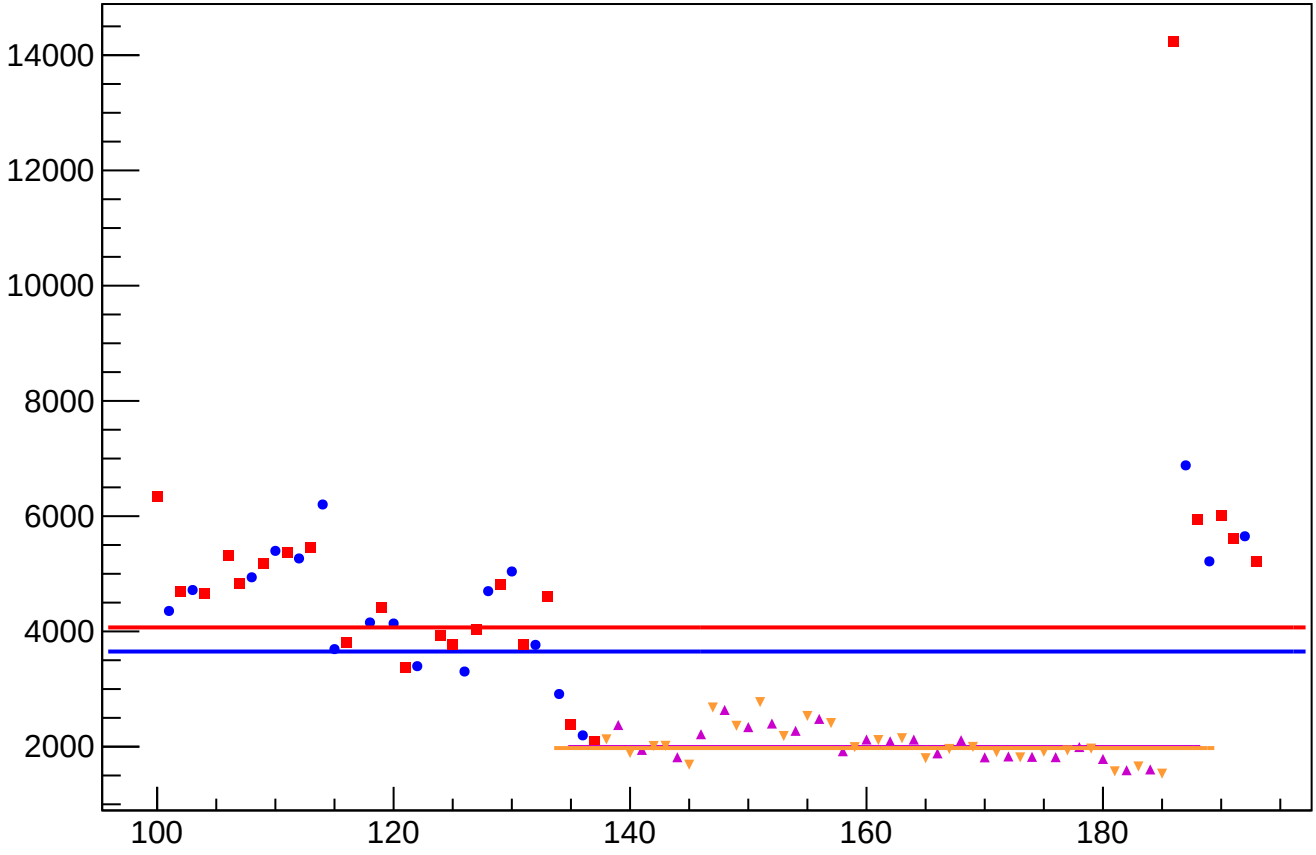
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1278.191+/-428.879 χ^2/NDF: 59.9/43

All: -737.944+/-308.541 χ^2/NDF: 122.5/90

- sign -158.381+/-444.211 χ^2/NDF: 59.3/46

asym_sam2_reg_correction_rms vs Slug



Right In: 3651.171+/-0.914 χ^2/NDF: 1767459.5/18

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4069.430+/-0.950 χ^2/NDF: 2014837.3/23

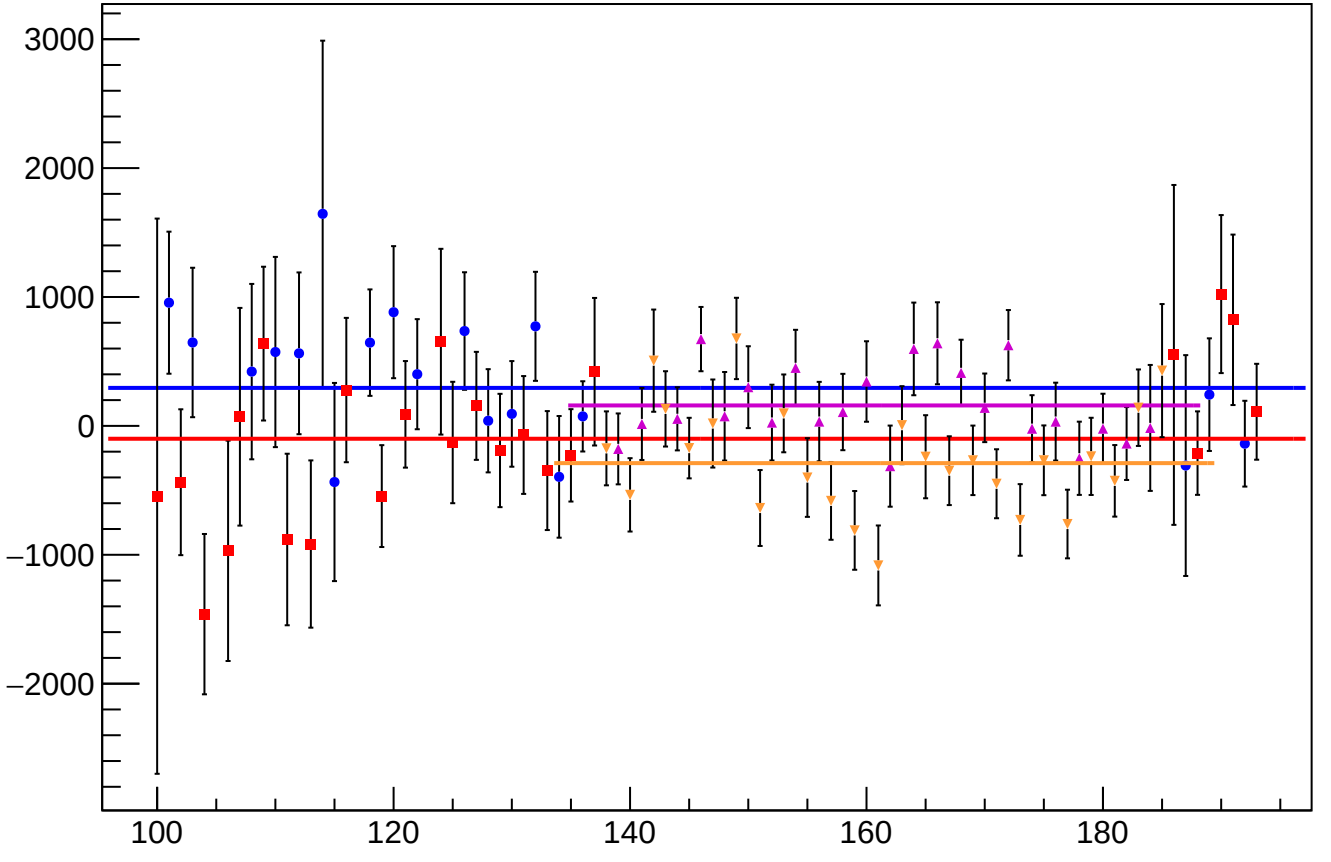
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2160.514+/-0.303 χ^2/NDF: 5521983.9/43

All: 2190.032+/-0.218 χ^2/NDF: 12406551.3/9

- sign 2221.699+/-0.314 χ^2/NDF: 6864929.6/46

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: -99.771+/-104.541 χ^2/NDF: 21.4/23

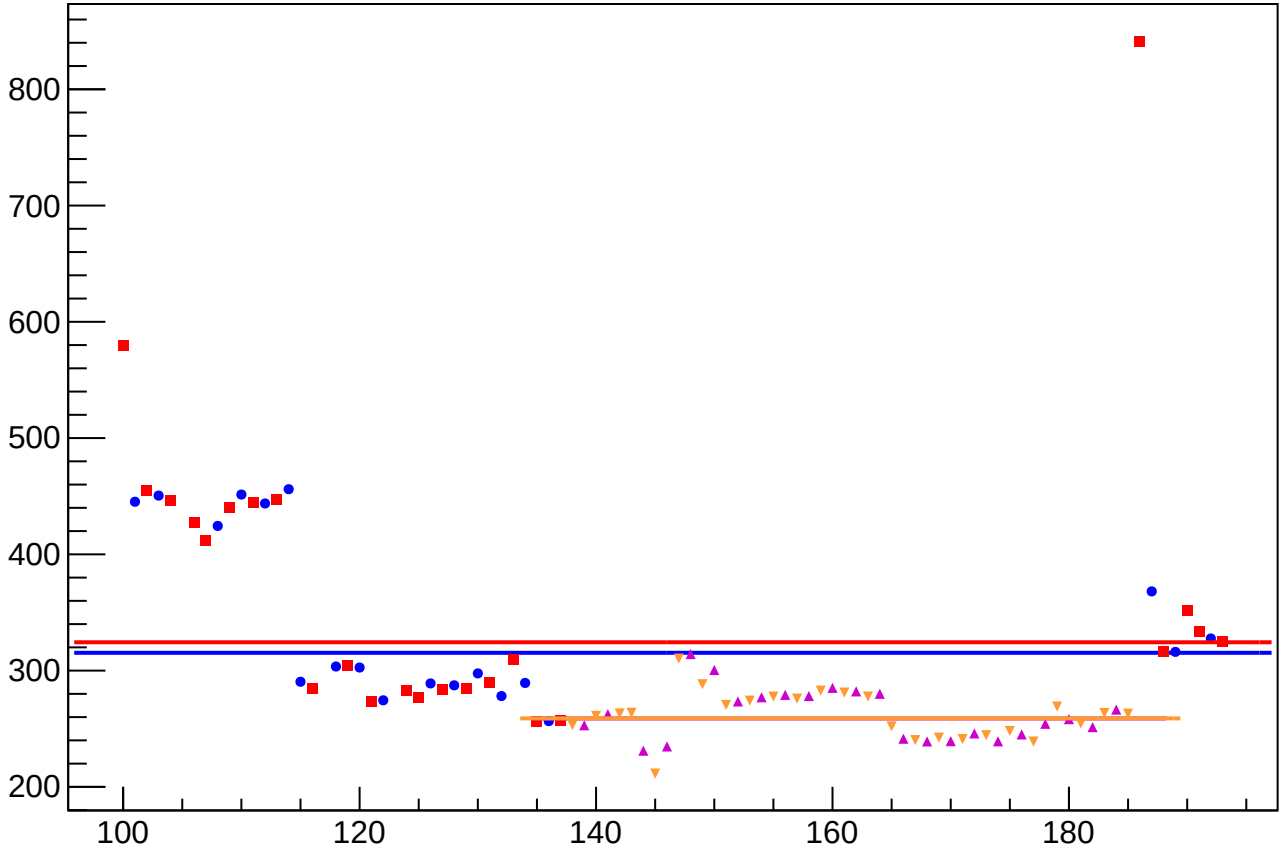
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -153.837+/-51.755 χ^2/NDF: 79.1/43

All: -31.954+/-36.856 χ^2/NDF: 138.8/90

- sign 93.454+/-52.498 χ^2/NDF: 48.5/46

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: 324.374+/-0.074 χ^2/NDF: 1009251.4/23

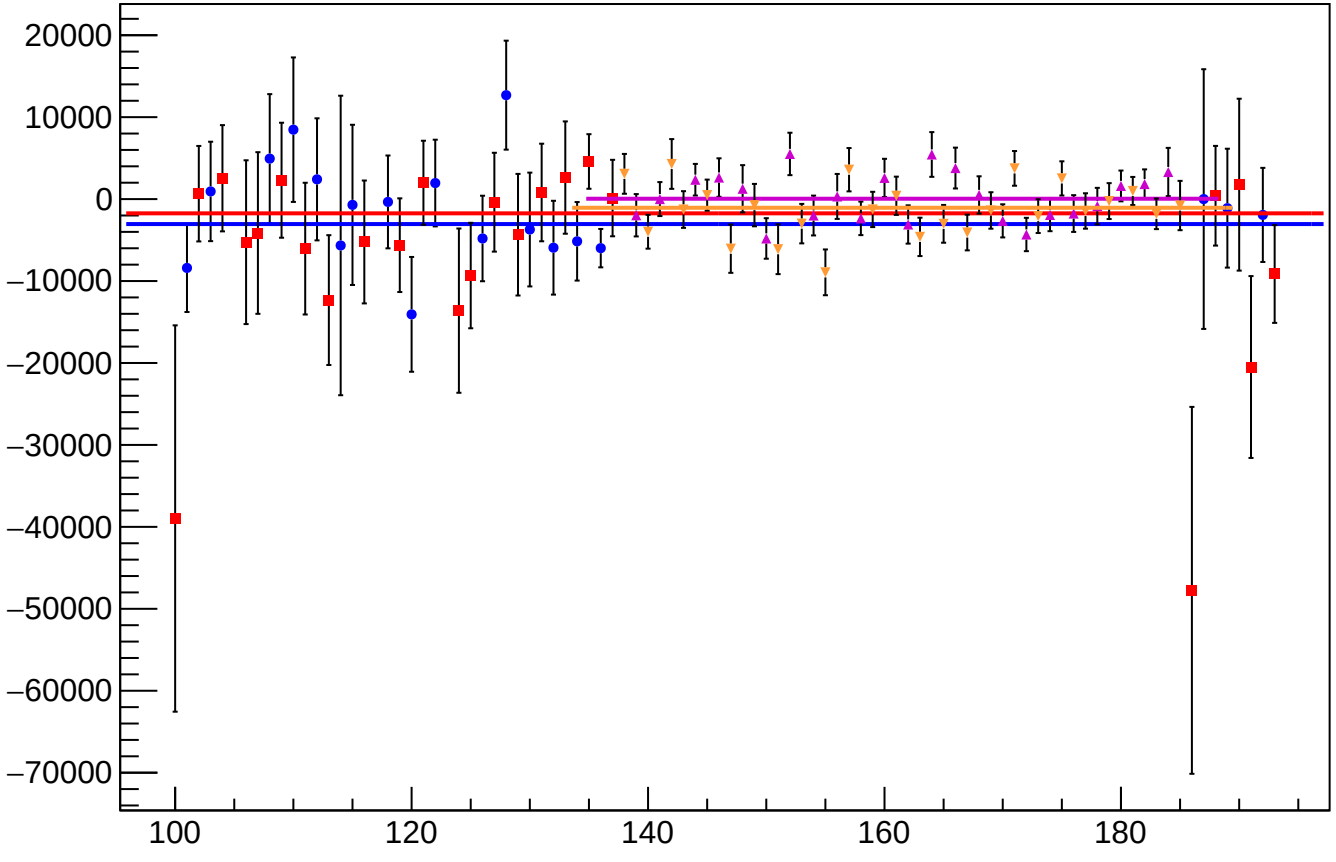
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 271.969+/-0.037 χ^2/NDF: 1285003.2/43

All: 273.644+/-0.026 χ^2/NDF: 3131149.7/90

- sign 275.368+/-0.037 χ^2/NDF: 1841892.6/46

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: -1737.177+/-1344.665 χ^2/NDF: 23.1/23

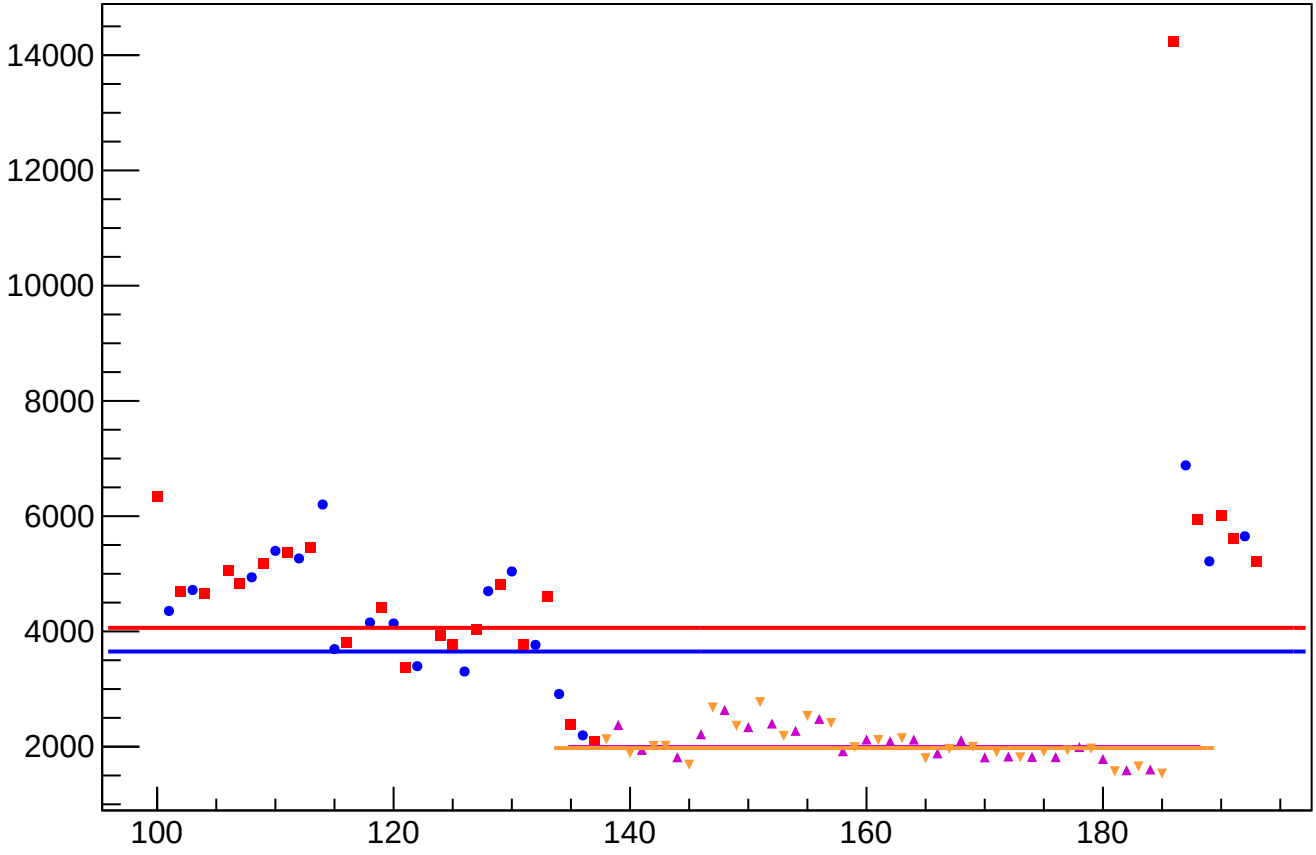
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1278.187+/-428.879 χ^2/NDF: 59.9/43

All: -734.029+/-308.560 χ^2/NDF: 122.0/90

- sign -150.122+/-444.268 χ^2/NDF: 58.8/46

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: 4062.260+/-0.951 χ^2/NDF: 2000057.8/23

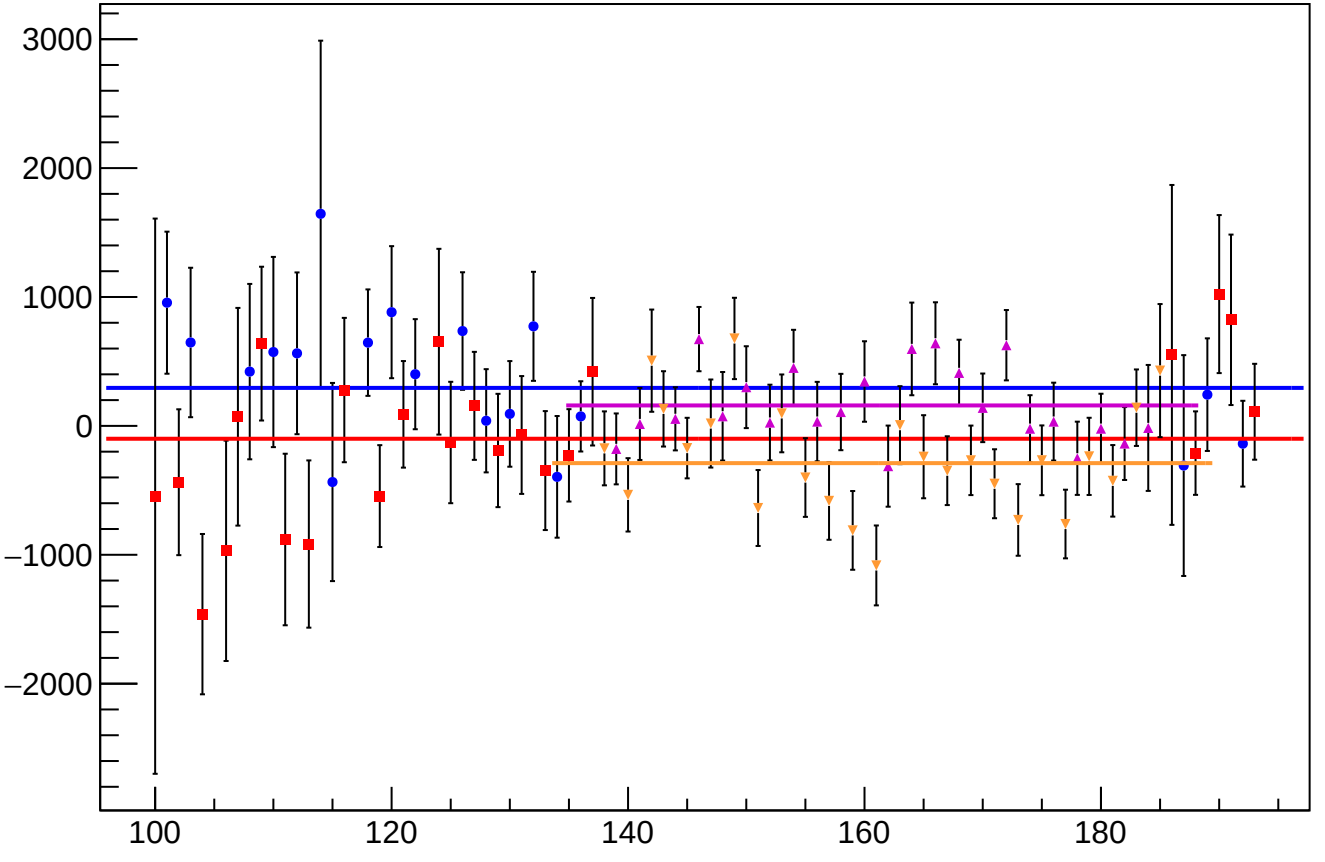
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2160.514+/-0.303 χ^2/NDF: 5522004.8/43

All: 2189.425+/-0.218 χ^2/NDF: 12352939.1/9

- sign 2220.447+/-0.314 χ^2/NDF: 6812094.2/46

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: -99.771+/-104.541 χ^2/NDF: 21.4/23

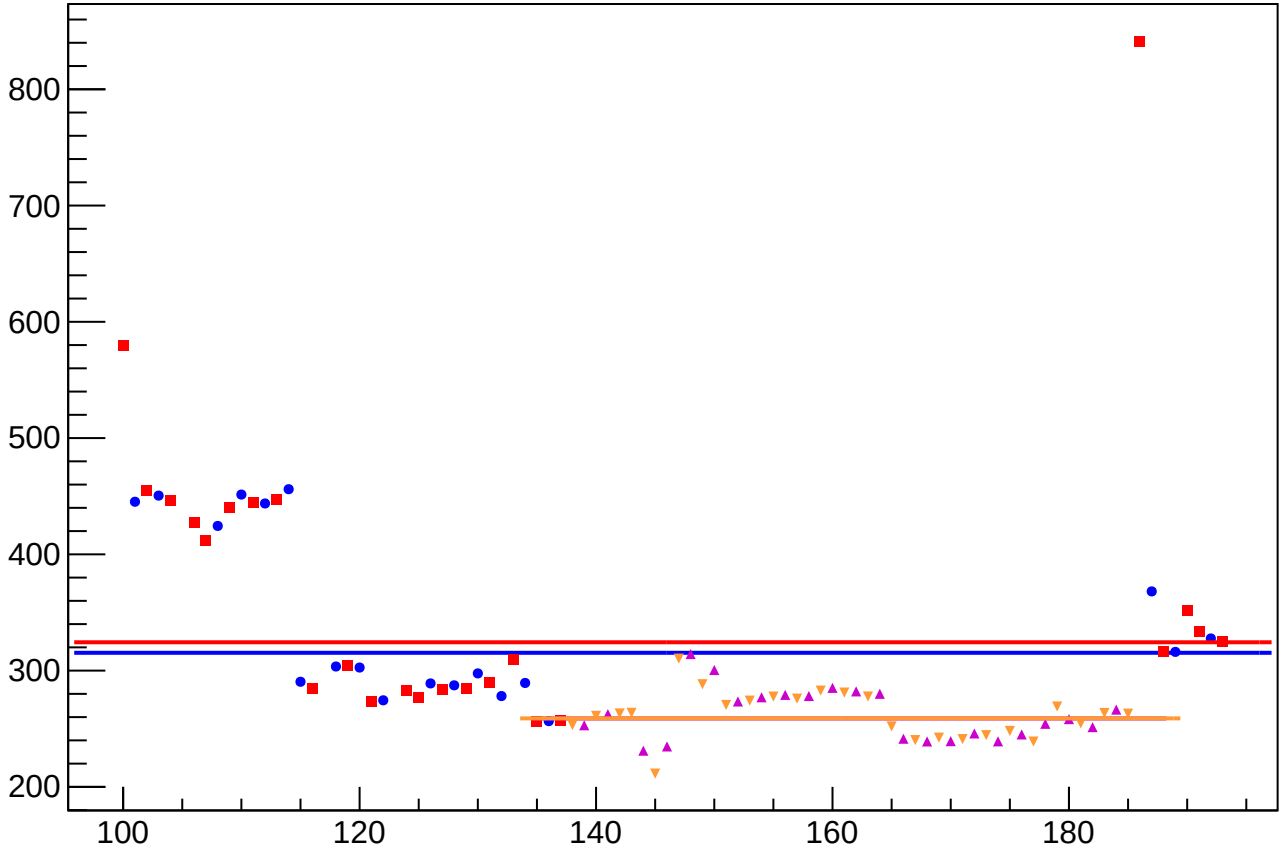
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -153.837+/-51.755 χ^2/NDF: 79.1/43

All: -31.954+/-36.856 χ^2/NDF: 138.8/90

- sign 93.454+/-52.498 χ^2/NDF: 48.5/46

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: 324.374+/-0.074 χ^2/NDF: 1009251.4/23

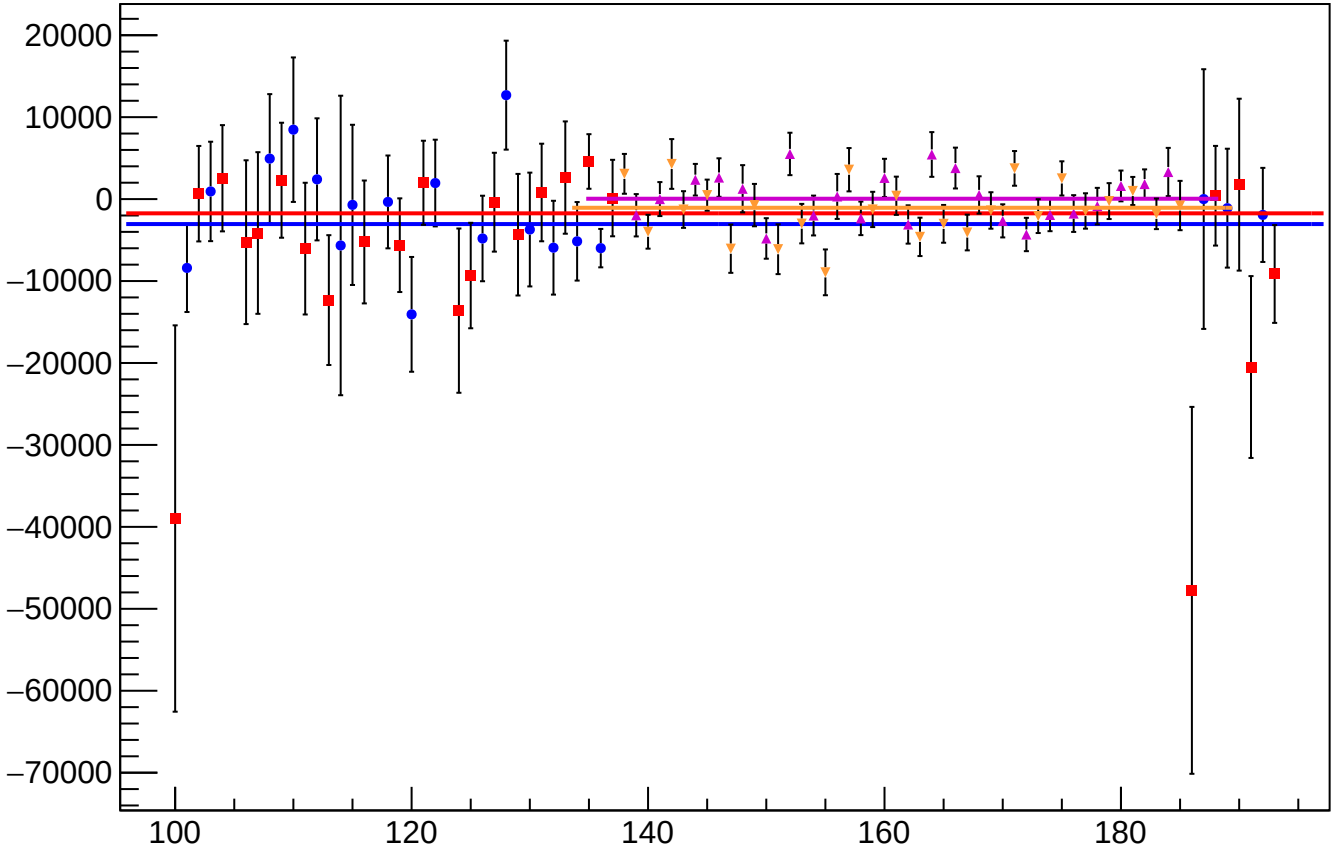
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 271.969+/-0.037 χ^2/NDF: 1285003.2/43

All: 273.644+/-0.026 χ^2/NDF: 3131149.7/90

- sign 275.368+/-0.037 χ^2/NDF: 1841892.6/46

asym_sam2_eigen_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: -1737.177+/-1344.665 χ^2/NDF: 23.1/23

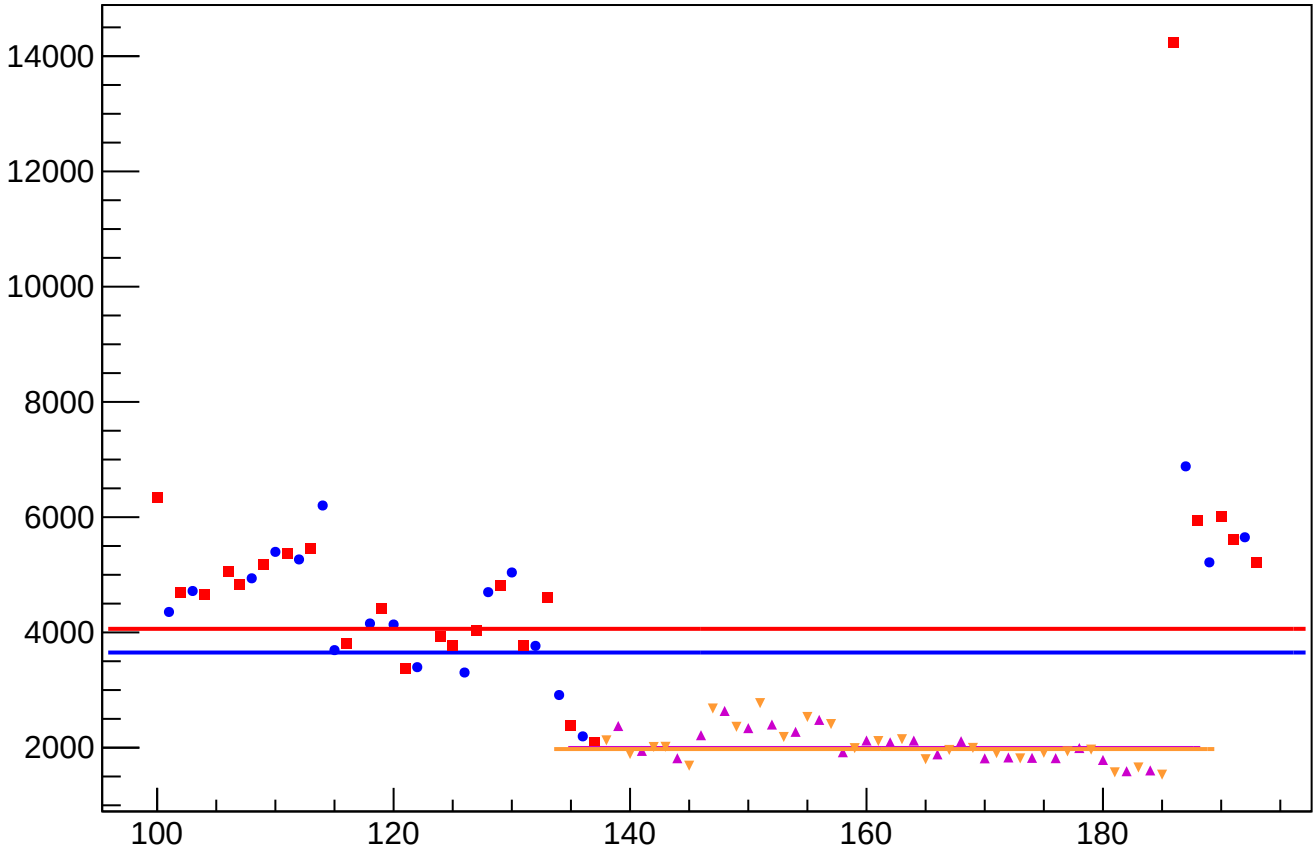
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1278.187+/-428.879 χ^2/NDF: 59.9/43

All: -734.029+/-308.560 χ^2/NDF: 122.0/90

- sign -150.122+/-444.268 χ^2/NDF: 58.8/46

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: 4062.260+/-0.951 χ^2/NDF: 2000057.8/23

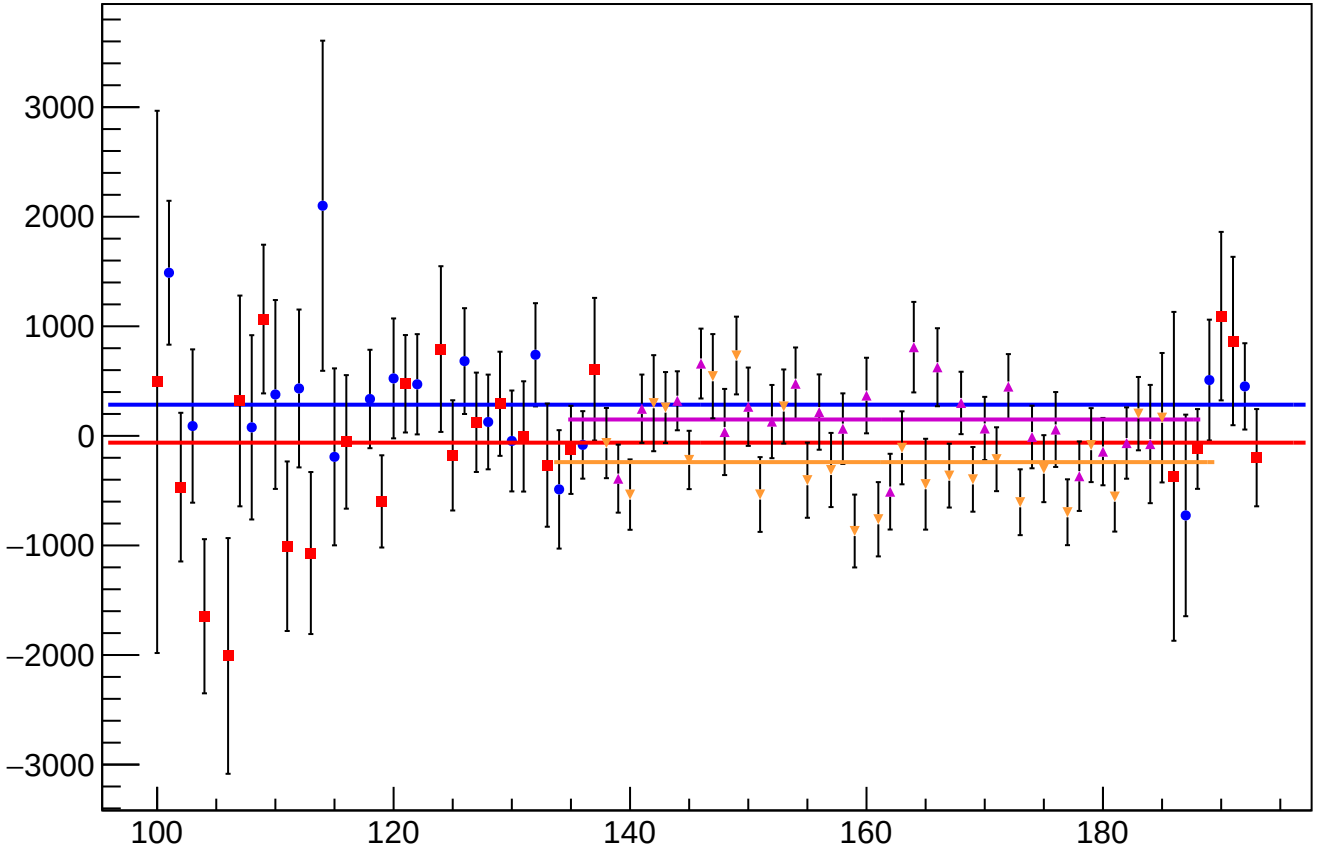
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2160.514+/-0.303 χ^2/NDF: 5522004.8/43

All: 2189.425+/-0.218 χ^2/NDF: 12352939.1/9

- sign 2220.447+/-0.314 χ^2/NDF: 6812094.2/46

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: -62.036+/-117.468 χ^2/NDF: 25.3/23

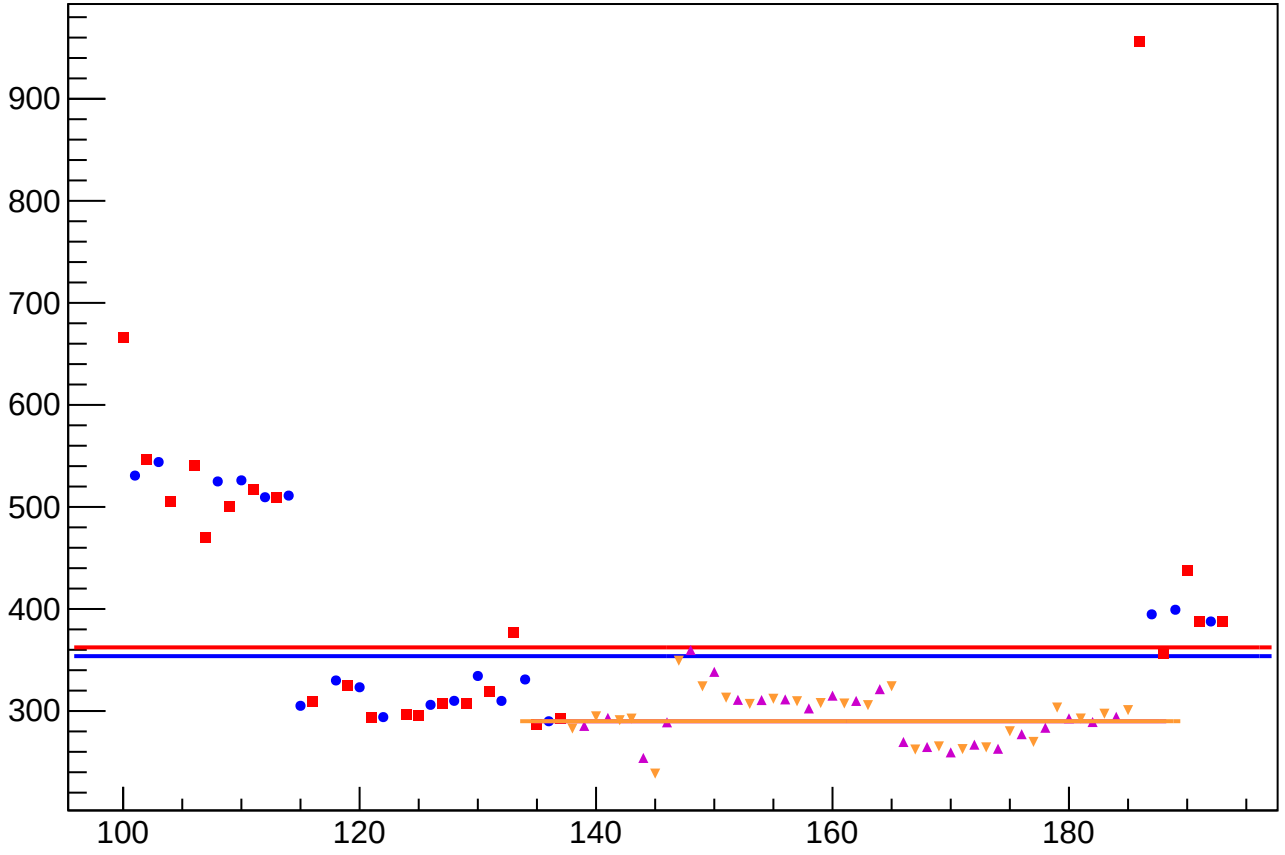
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -119.528+/-58.098 χ^2/NDF: 61.4/43

All: -13.225+/-41.381 χ^2/NDF: 117.6/90

- sign 96.231+/-58.954 χ^2/NDF: 49.4/46

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: 362.379+/-0.083 χ^2/NDF: 1217352.4/23

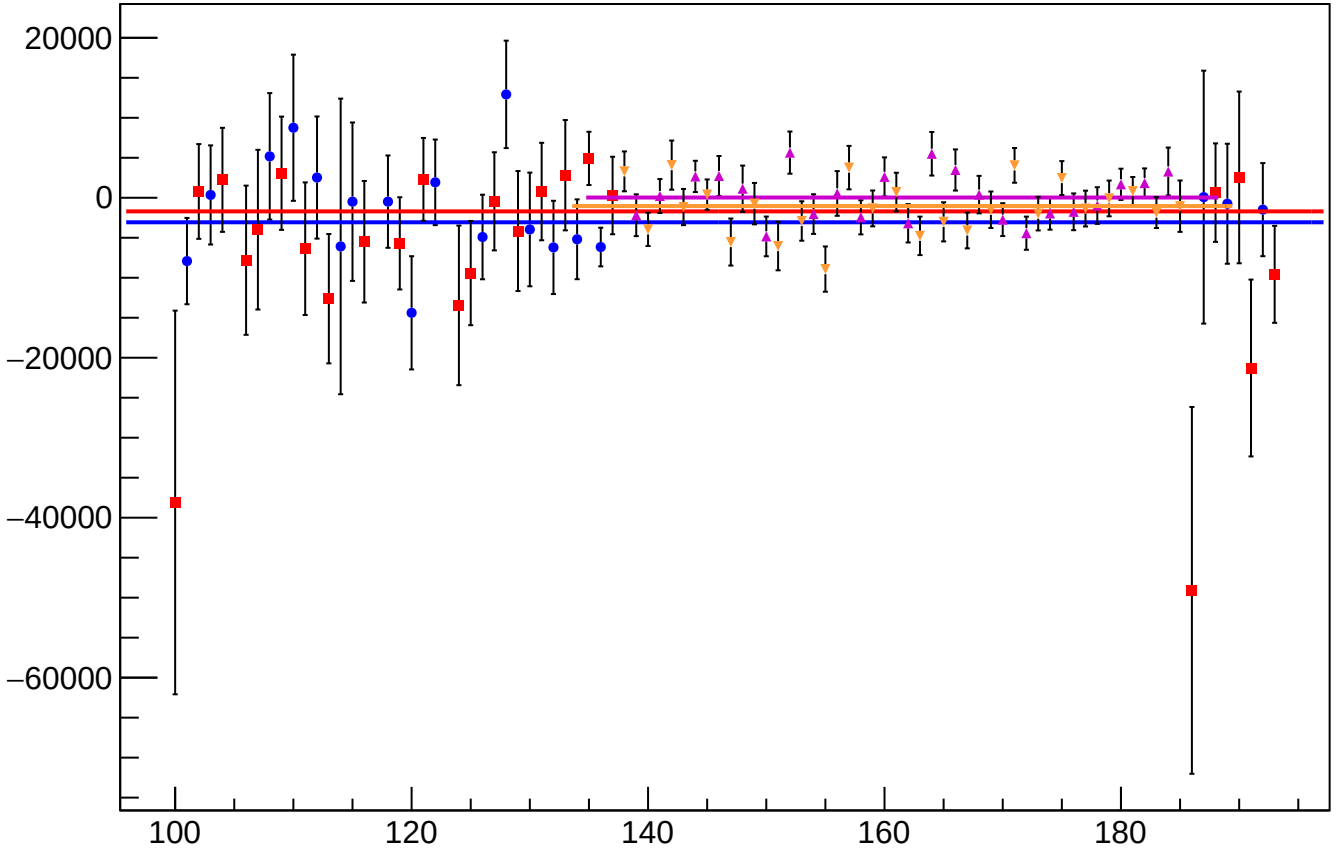
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 304.625+/-0.041 χ^2/NDF: 1513262.8/43

All: 306.380+/-0.029 χ^2/NDF: 3572963.2/90

- sign 308.187+/-0.042 χ^2/NDF: 2055996.5/46

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: -1701.746+/-1359.558 χ^2/NDF: 24.3/23

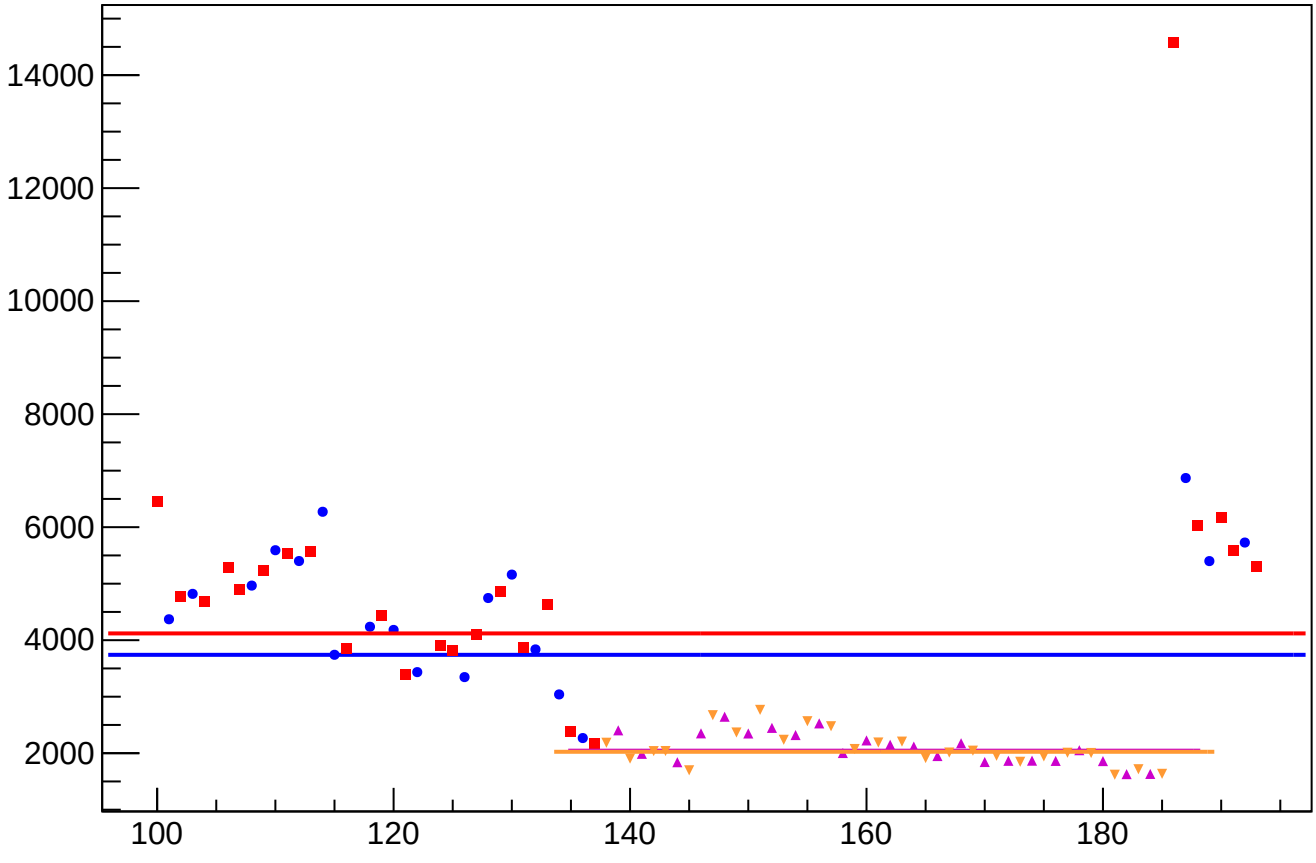
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1260.707+/-438.882 χ^2/NDF: 58.7/43

All: -731.174+/-315.723 χ^2/NDF: 121.6/90

- sign -163.209+/-454.529 χ^2/NDF: 59.9/46

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: 4119.856+/-0.961 χ^2/NDF: 2021690.8/23

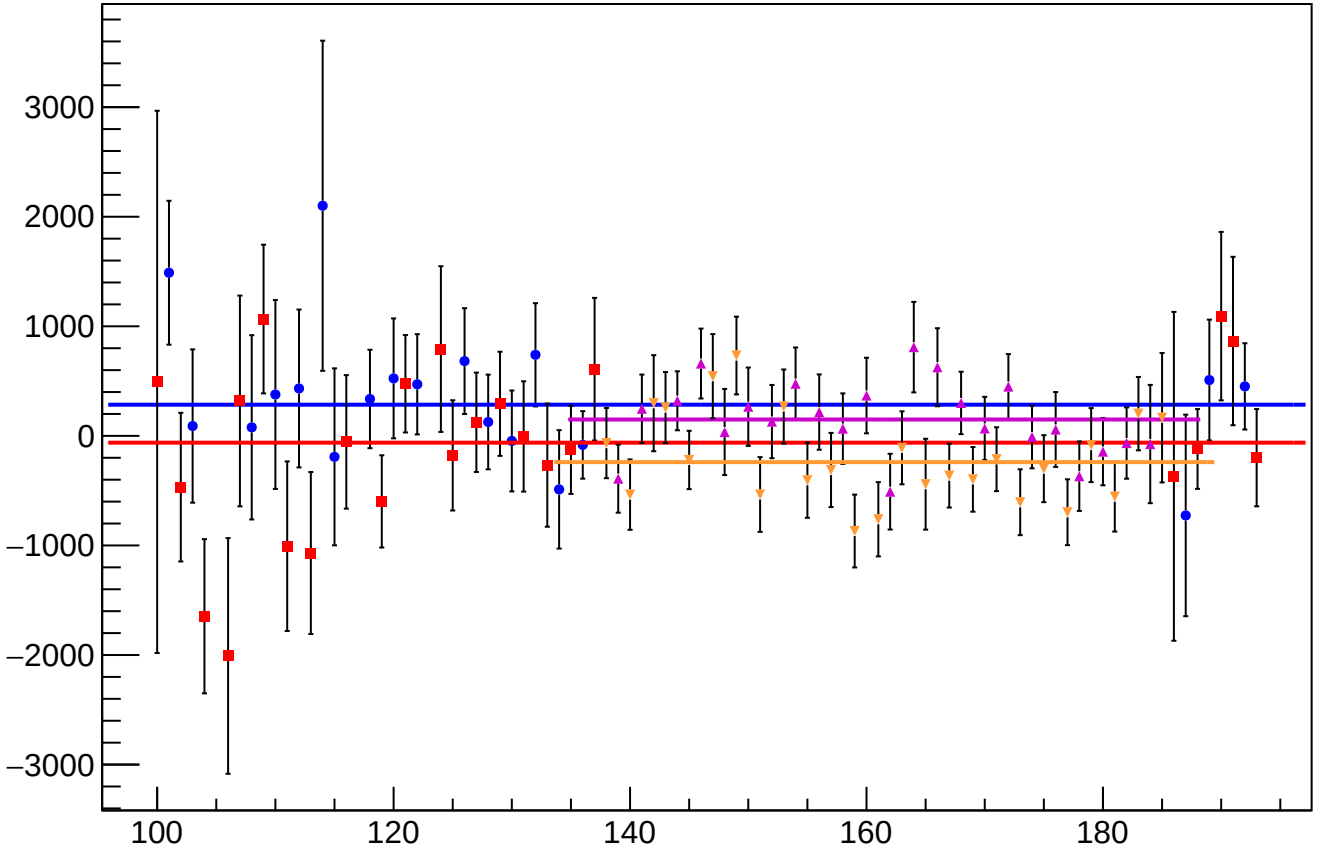
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2214.532+/-0.310 χ^2/NDF: 5409645.5/43

All: 2244.424+/-0.223 χ^2/NDF: 12174863.3/9

- sign 2276.484+/-0.321 χ^2/NDF: 6745989.6/46

eigen_dit_asym_sam2_mean vs Slug



Right In: 284.521+/-121.403 χ^2/NDF: 13.0/18

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -62.035+/-117.467 χ^2/NDF: 25.3/23

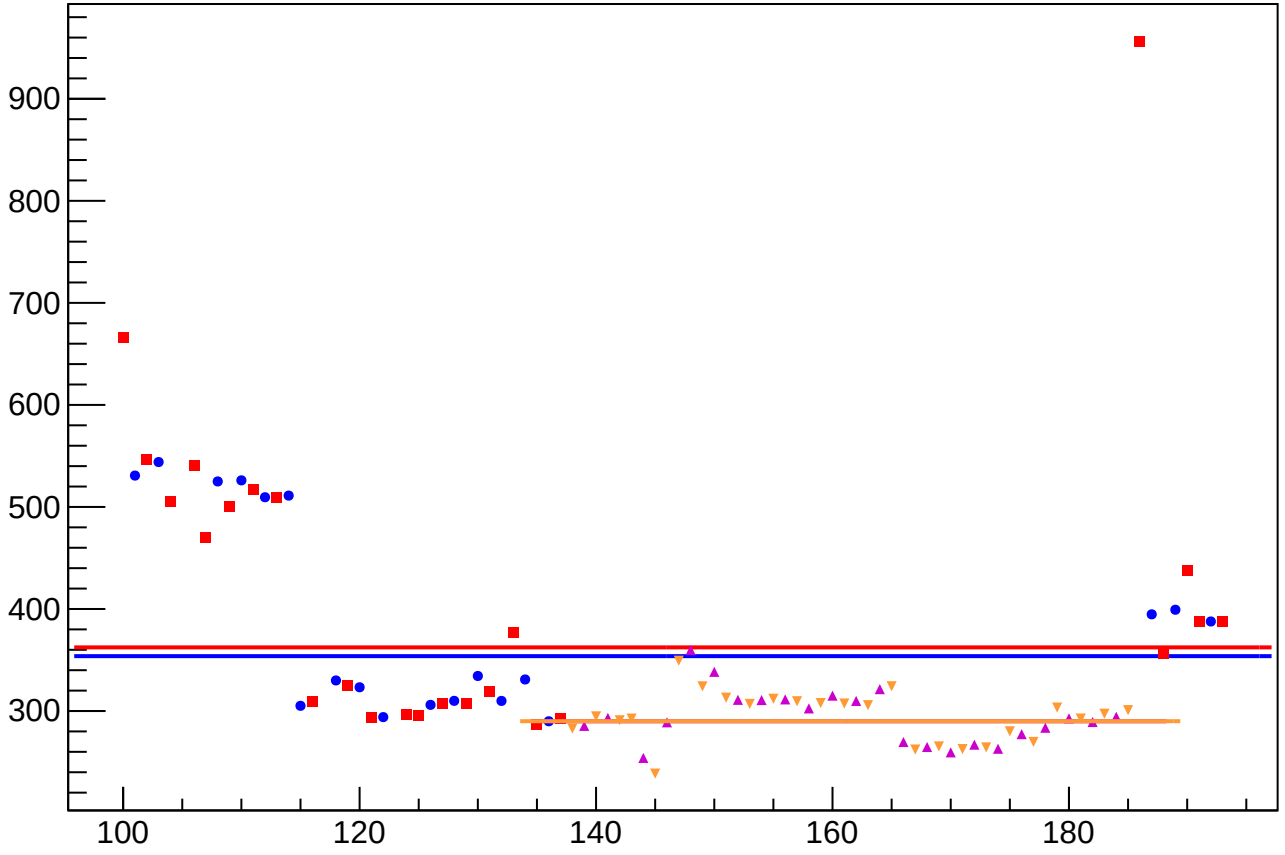
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -119.530+/-58.098 χ^2/NDF: 61.4/43

All: -13.226+/-41.381 χ^2/NDF: 117.6/90

- sign 96.232+/-58.954 χ^2/NDF: 49.4/46

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

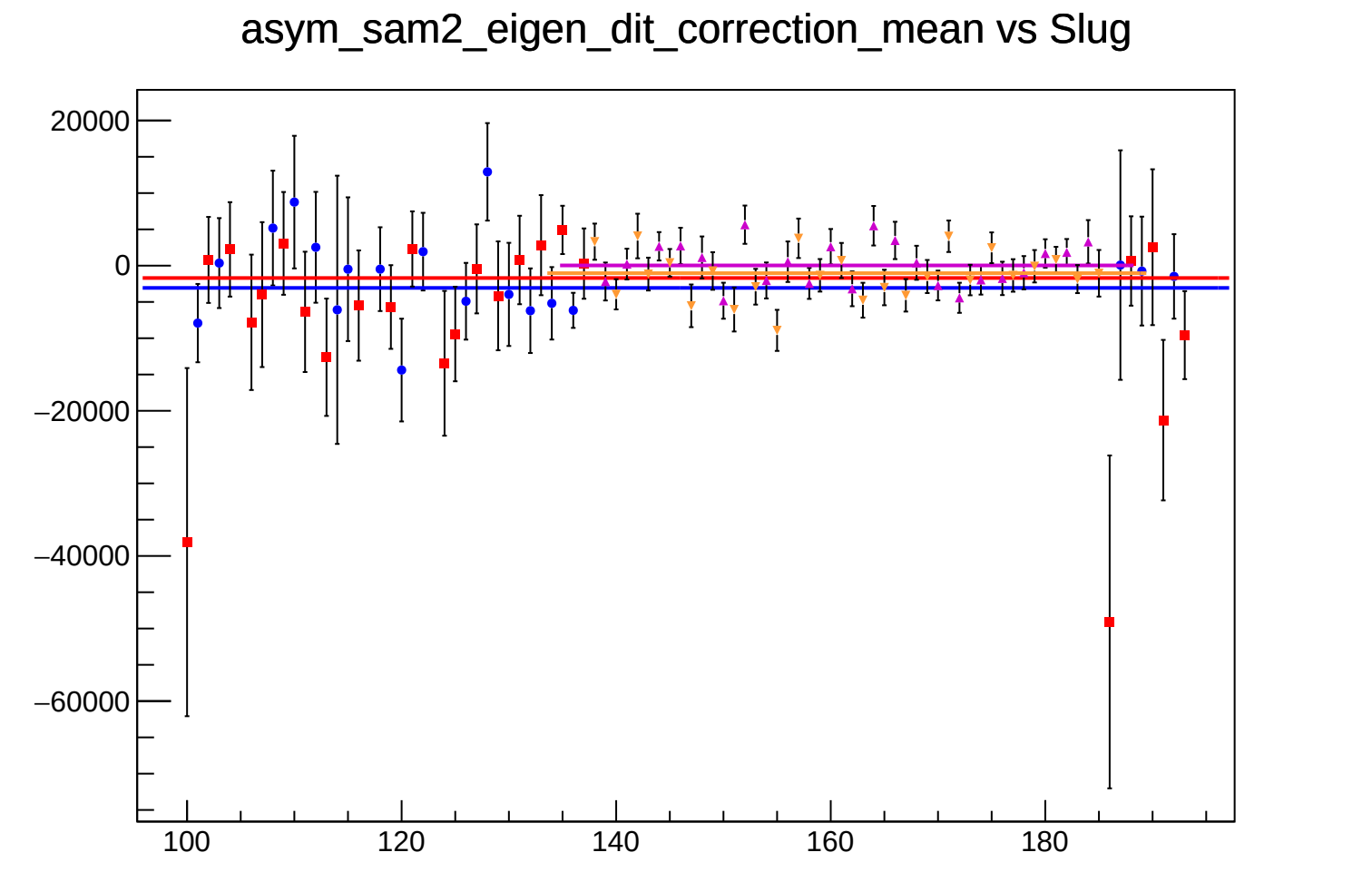
Right Out: 362.378+/-0.083 χ^2/NDF: 1217340.6/23

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 304.624+/-0.041 χ^2/NDF: 1513243.7/43

All: 306.379+/-0.029 χ^2/NDF: 3572922.1/90

- sign 308.186+/-0.042 χ^2/NDF: 2055974.3/46



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: -1701.747+/-1359.556 χ^2/NDF: 24.3/23

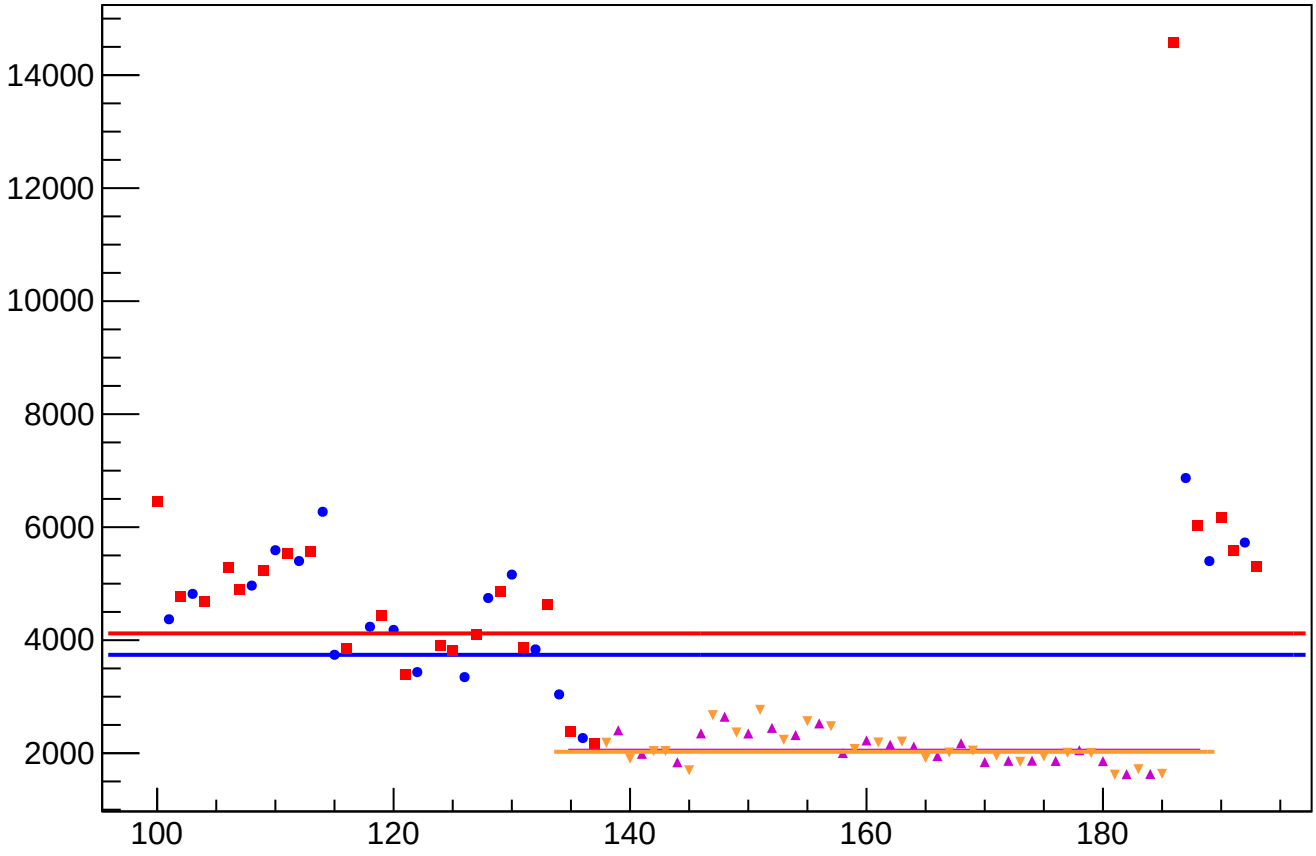
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1260.706+/-438.882 χ^2/NDF: 58.7/43

All: -731.174+/-315.723 χ^2/NDF: 121.6/90

- sign -163.211+/-454.529 χ^2/NDF: 59.9/46

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: 4119.851+/-0.961 χ^2/NDF: 2021682.4/23

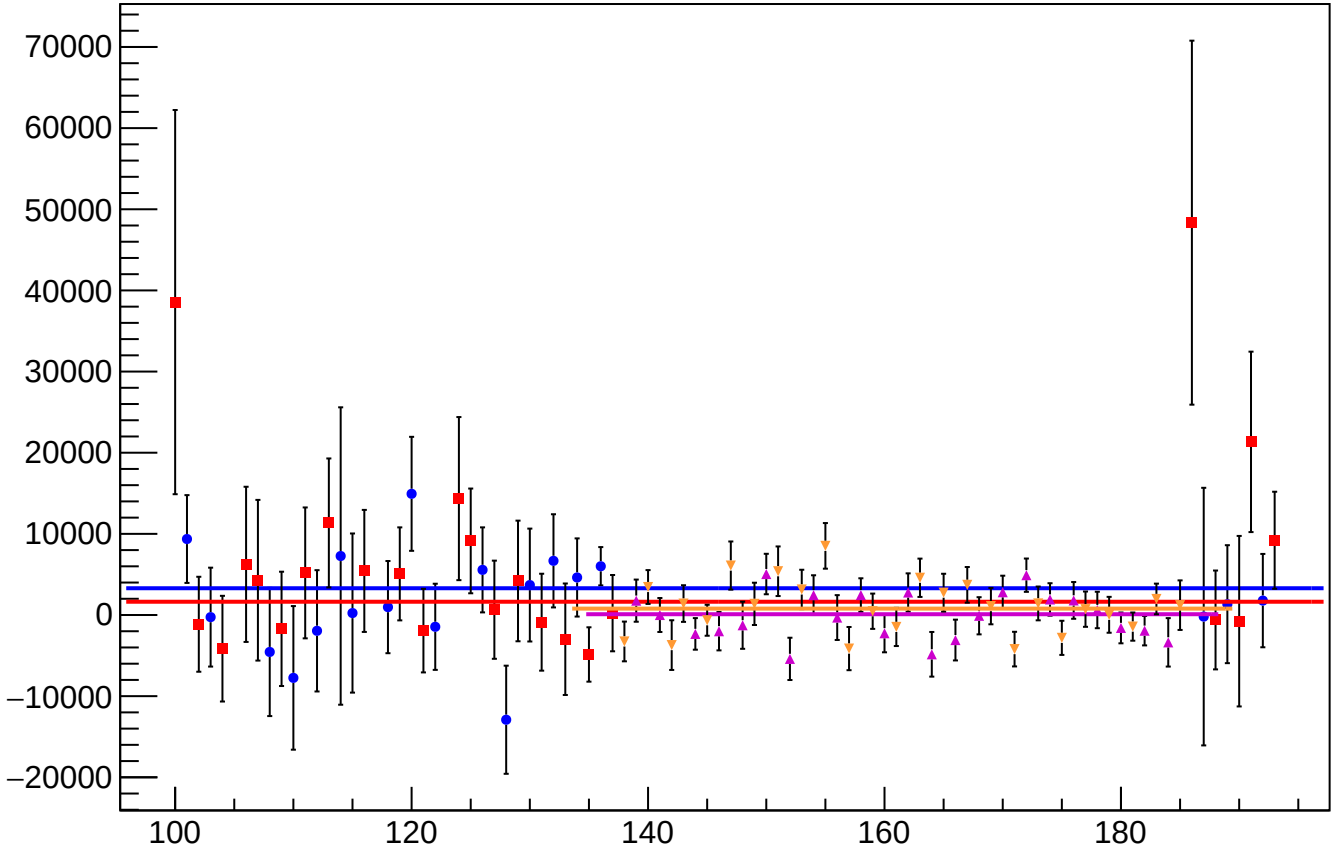
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2214.533+/-0.310 χ^2/NDF: 5409630.5/43

All: 2244.424+/-0.223 χ^2/NDF: 12174835.6/9

- sign 2276.484+/-0.321 χ^2/NDF: 6745977.3/46

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: 1635.185+/-1348.512 χ^2/NDF: 23.6/23

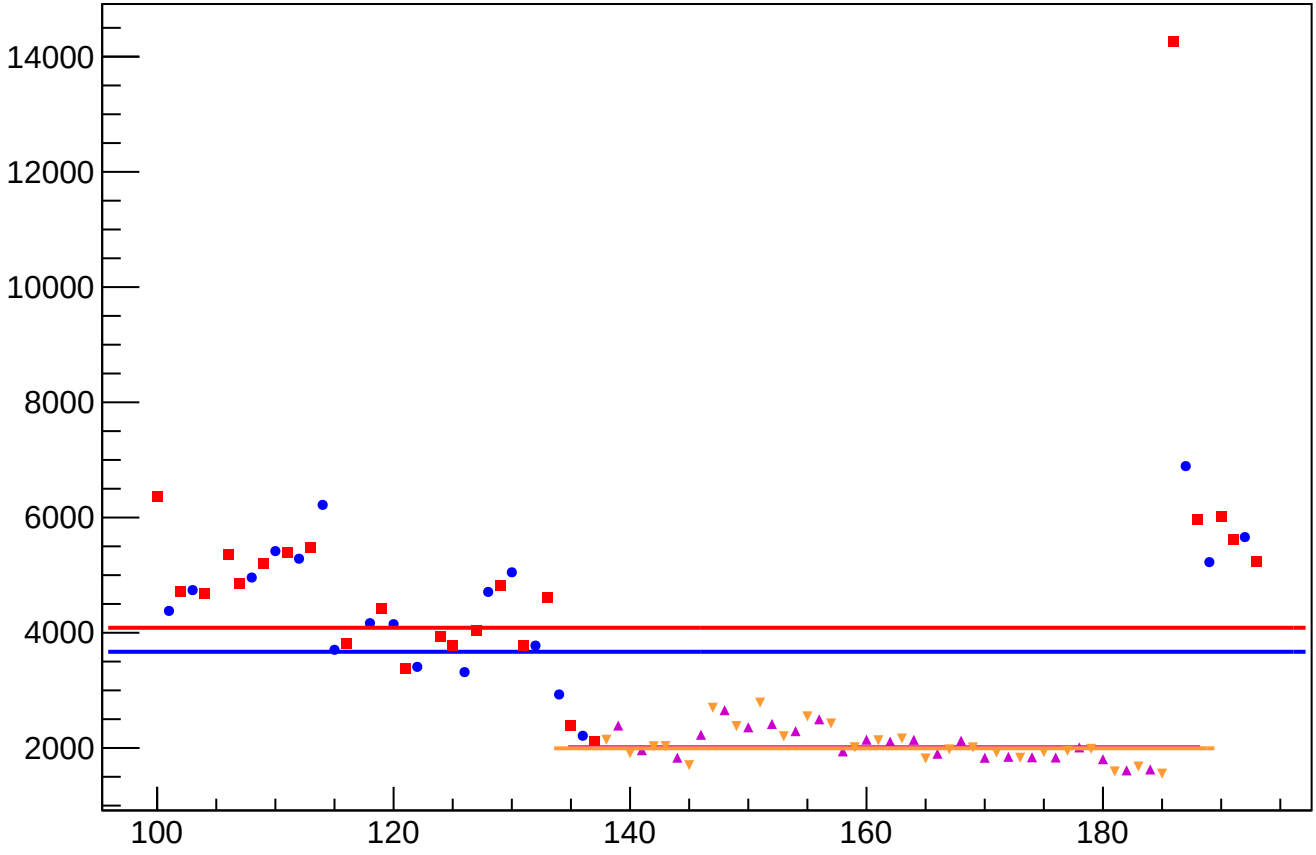
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1067.030+/-432.512 χ^2/NDF: 61.2/43

All: 680.694+/-311.121 χ^2/NDF: 120.4/90

- sign 266.431+/-447.872 χ^2/NDF: 57.6/46

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

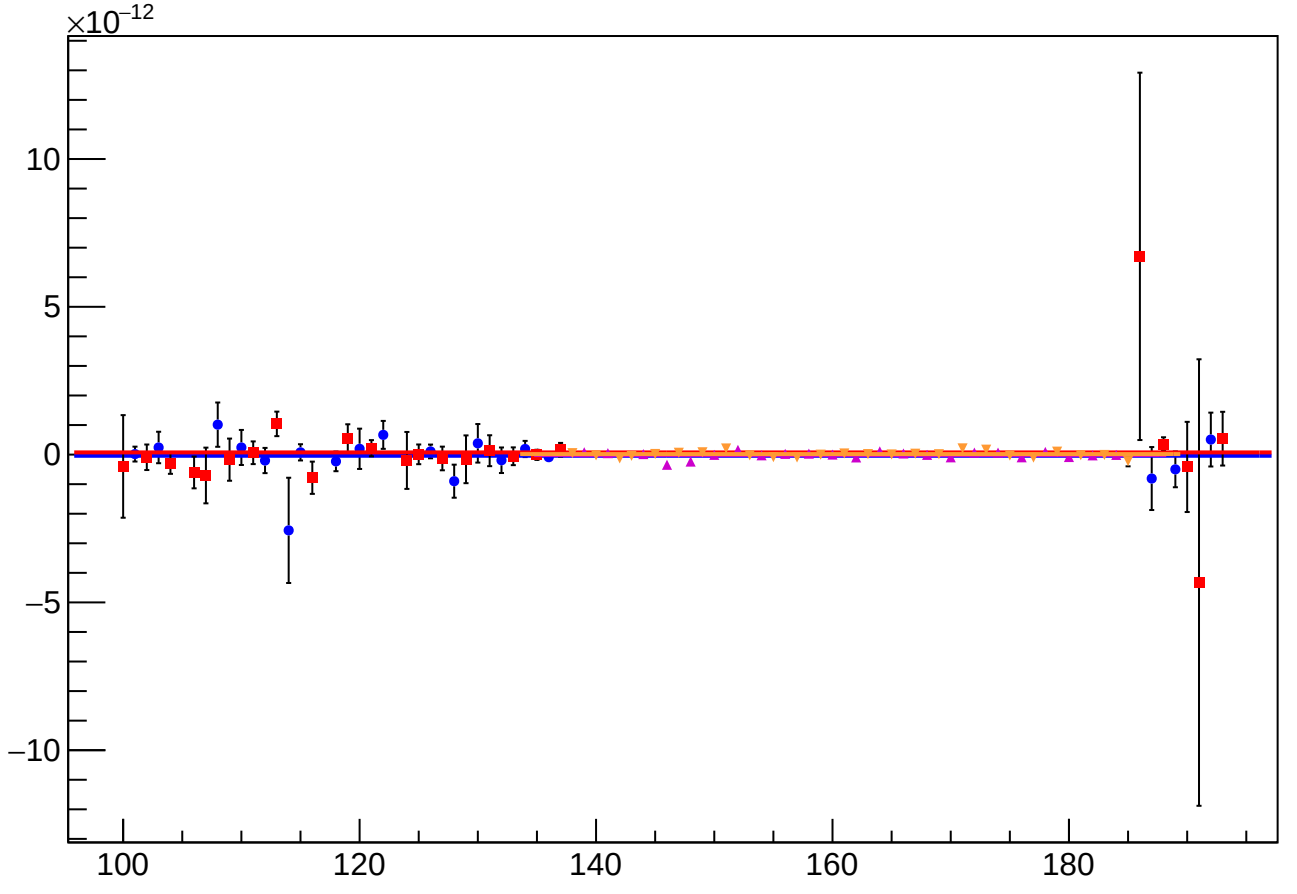
Right Out: 4086.758+/-0.954 χ^2/NDF: 2000757.3/23

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2180.304+/-0.306 χ^2/NDF: 5459123.9/43

All: 2209.822+/-0.220 χ^2/NDF: 12275713.2/9

- sign 2241.473+/-0.317 χ^2/NDF: 6797285.0/46



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: 17.0/23

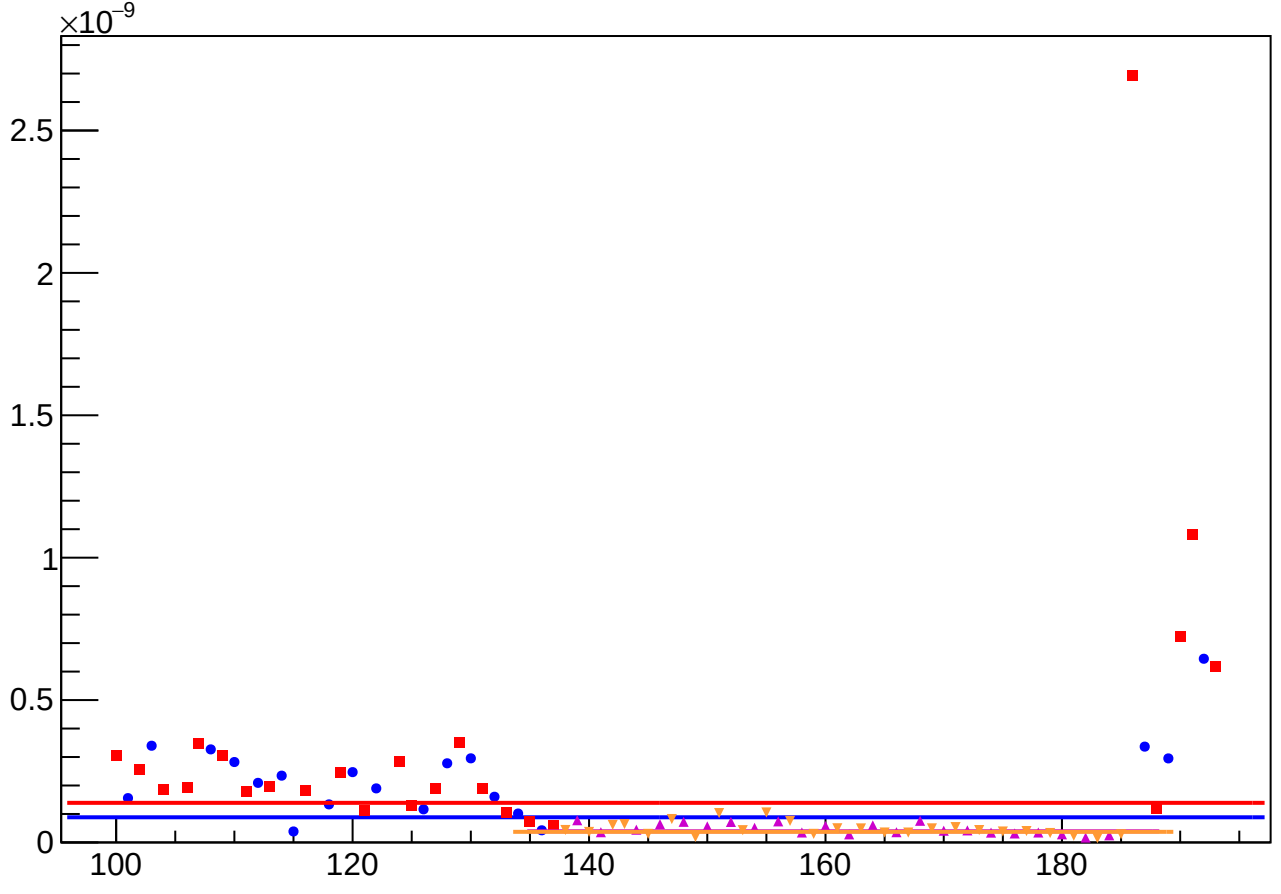
Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/43

All: 0.000+/-0.000 χ^2/NDF: 85.7/90

- sign -0.000+/-0.000 χ^2/NDF: 48.9/46

asym_sam2_reg_vs_cor_diff_rms vs Slug



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: 2641184.4/23

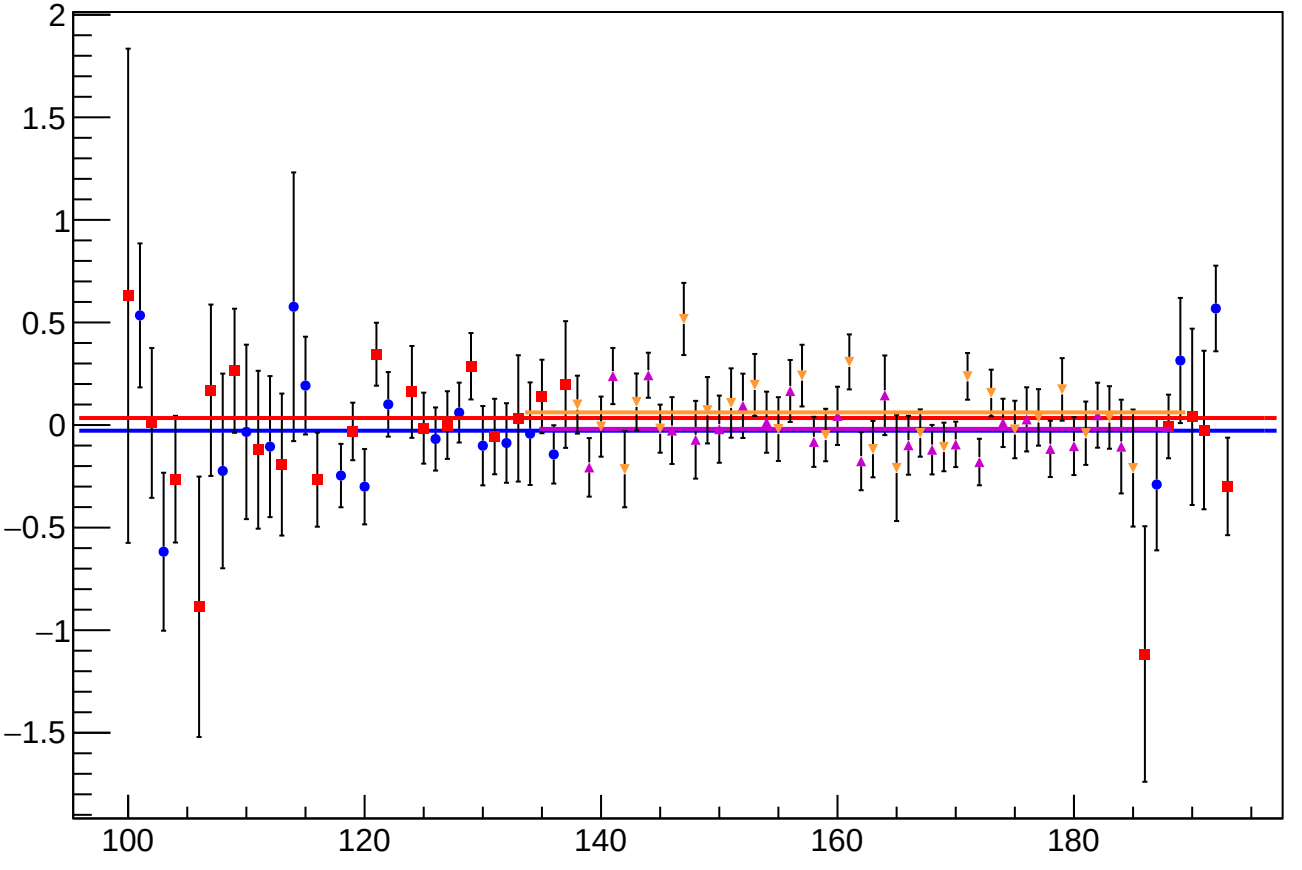
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7486698.8/43

All: 0.000+/-0.000 χ^2/NDF: 15130543.4/90

- sign 0.000+/-0.000 χ^2/NDF: 7610513.7/46

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: 0.034+/-0.047 χ^2/NDF: 19.8/23

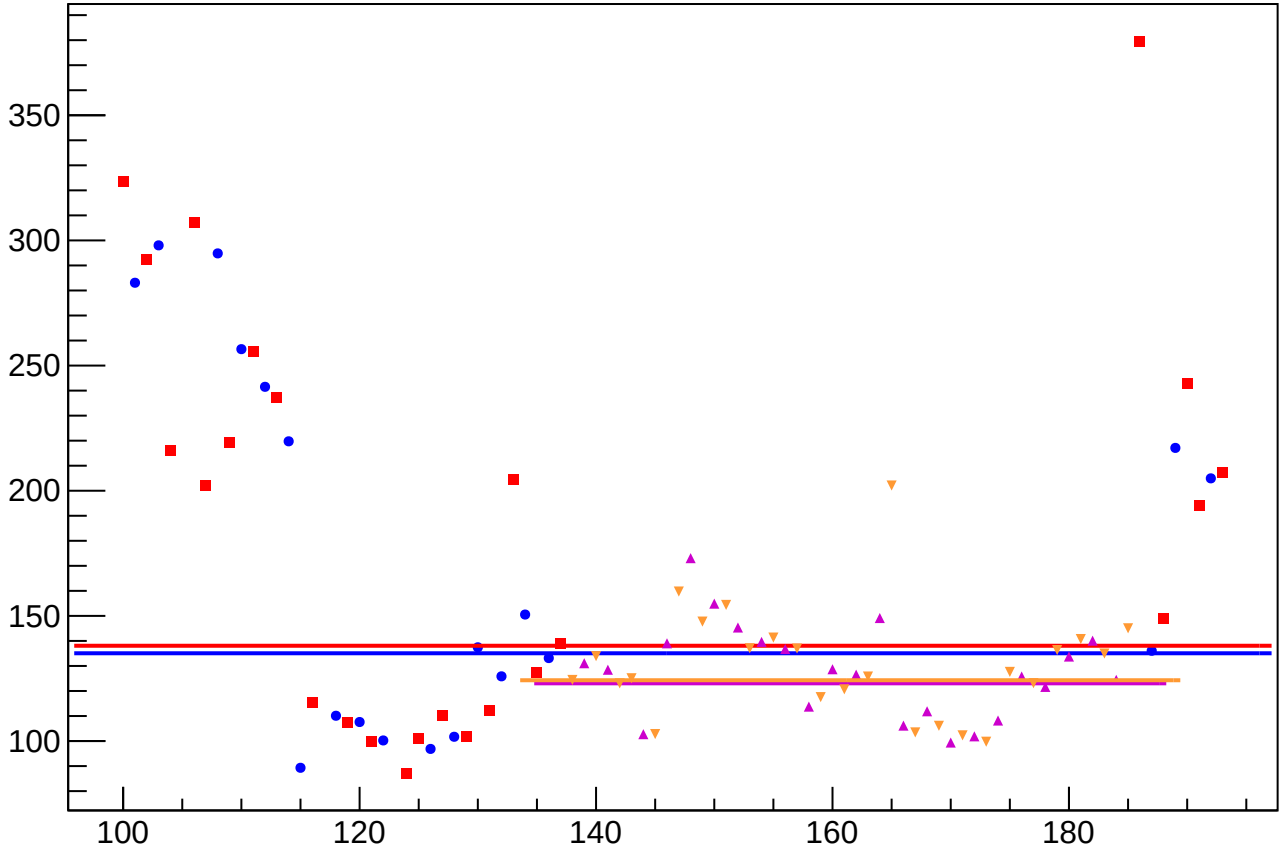
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.025 χ^2/NDF: 53.0/43

All: 0.018+/-0.018 χ^2/NDF: 95.6/90

- sign -0.004+/-0.025 χ^2/NDF: 41.0/46

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: 138.072+/-0.033 χ^2/NDF: 2586584.8/23

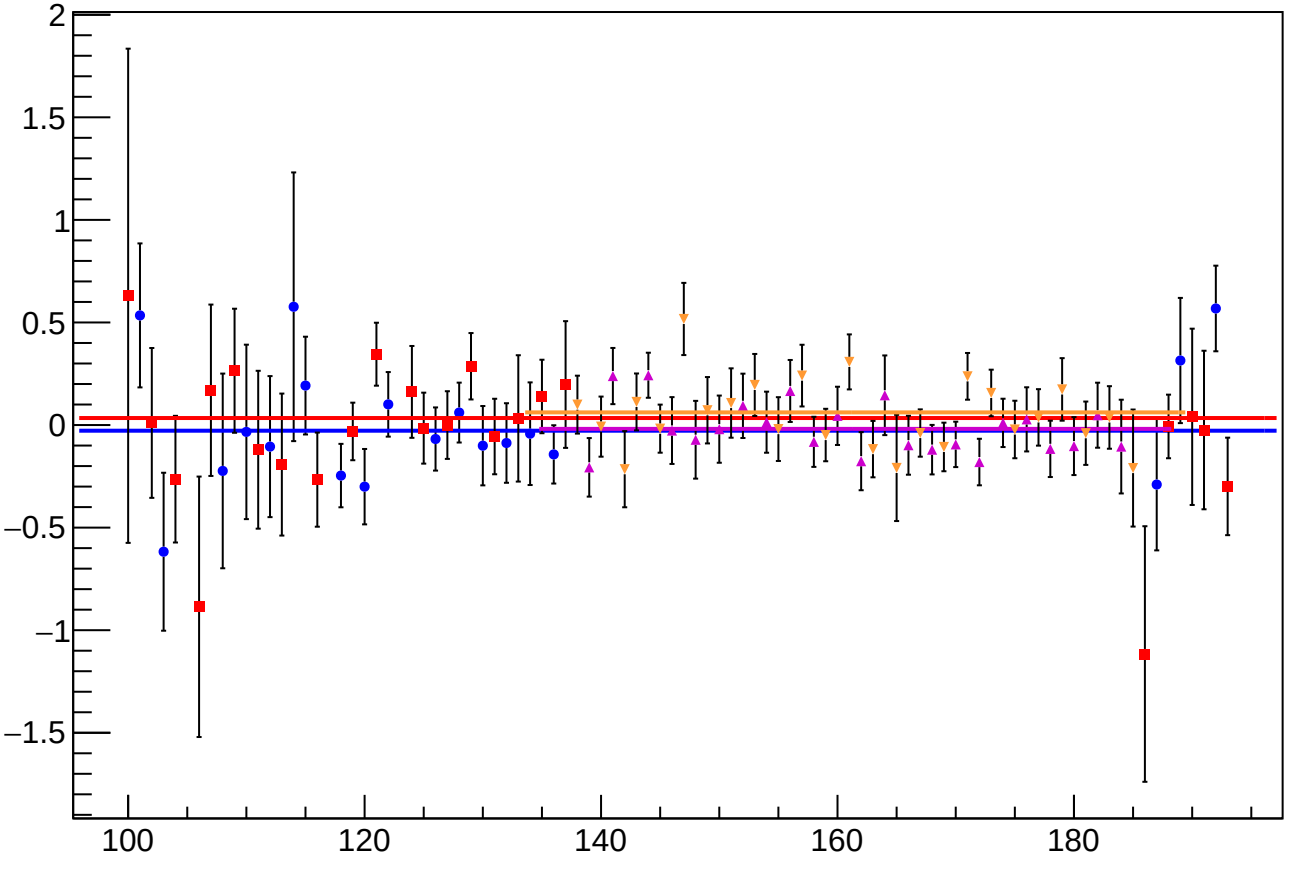
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 127.042+/-0.018 χ^2/NDF: 3120390.2/43

All: 127.143+/-0.012 χ^2/NDF: 6571876.6/90

- sign 127.246+/-0.018 χ^2/NDF: 3451418.8/46

asym_sam2_dit_vs_eigen_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: 0.034+/-0.047 χ^2/NDF: 19.8/23

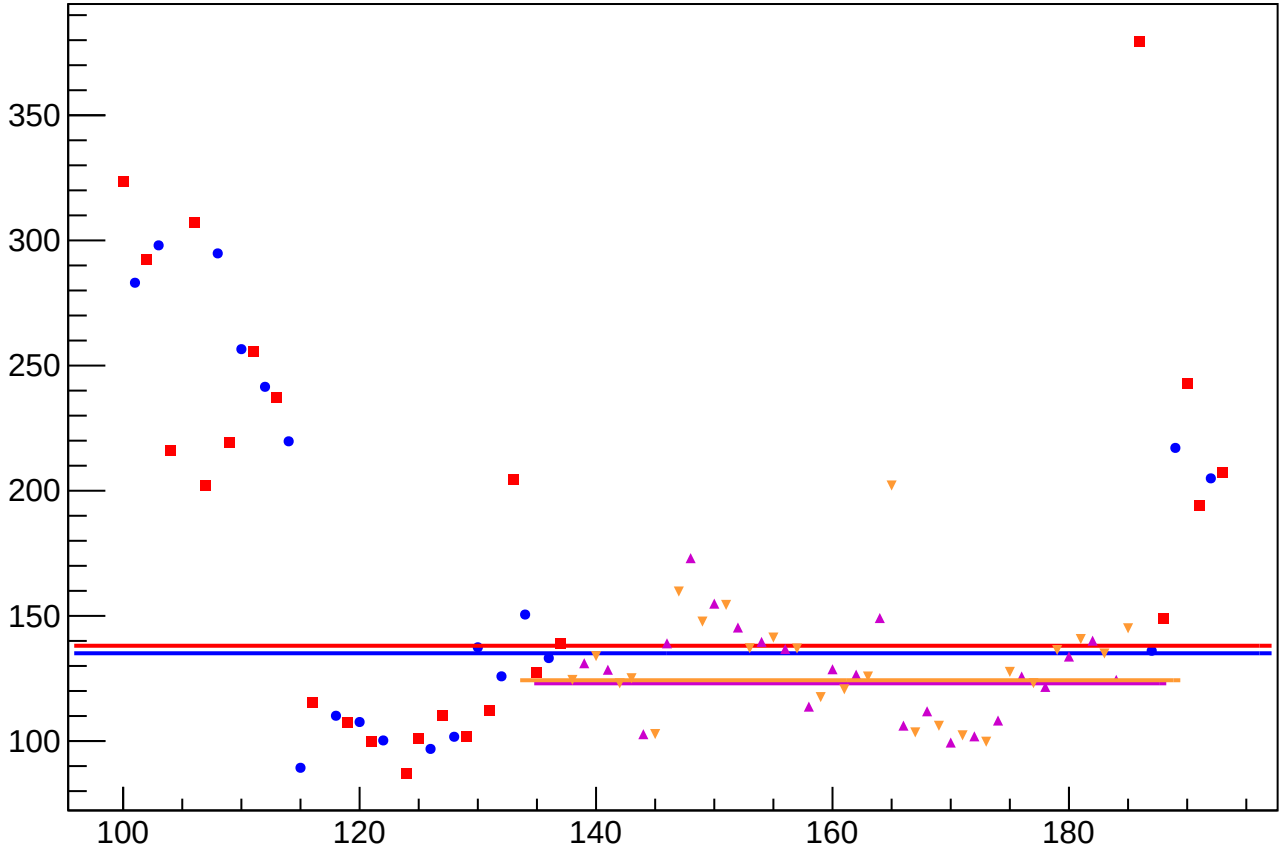
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.025 χ^2/NDF: 53.0/43

All: 0.018+/-0.018 χ^2/NDF: 95.6/90

- sign -0.004+/-0.025 χ^2/NDF: 41.0/46

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: 138.072+/-0.033 χ^2/NDF: 2586584.8/23

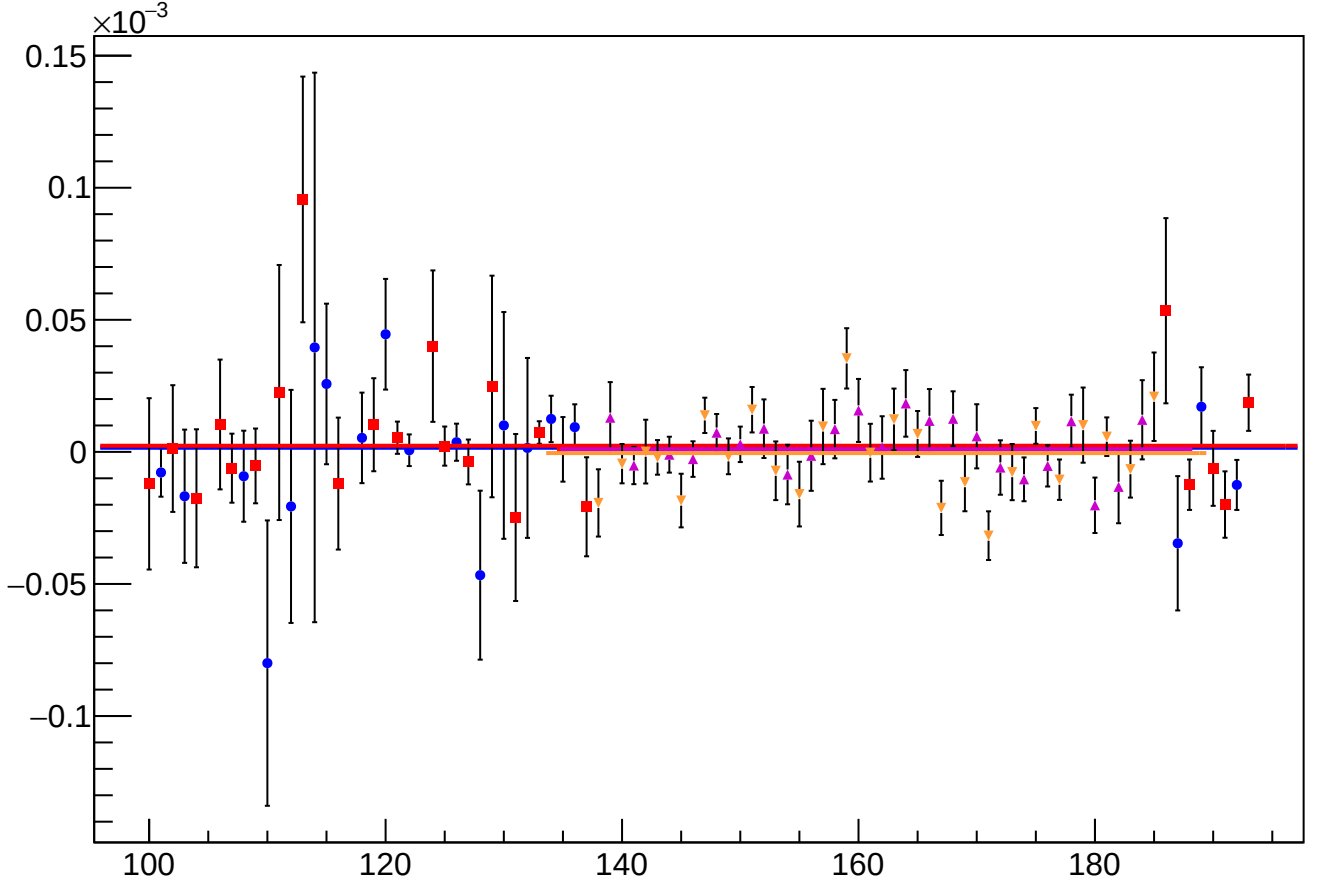
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 127.042+/-0.018 χ^2/NDF: 3120390.2/43

All: 127.143+/-0.012 χ^2/NDF: 6571876.6/90

- sign 127.246+/-0.018 χ^2/NDF: 3451418.8/46

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: 23.1/23

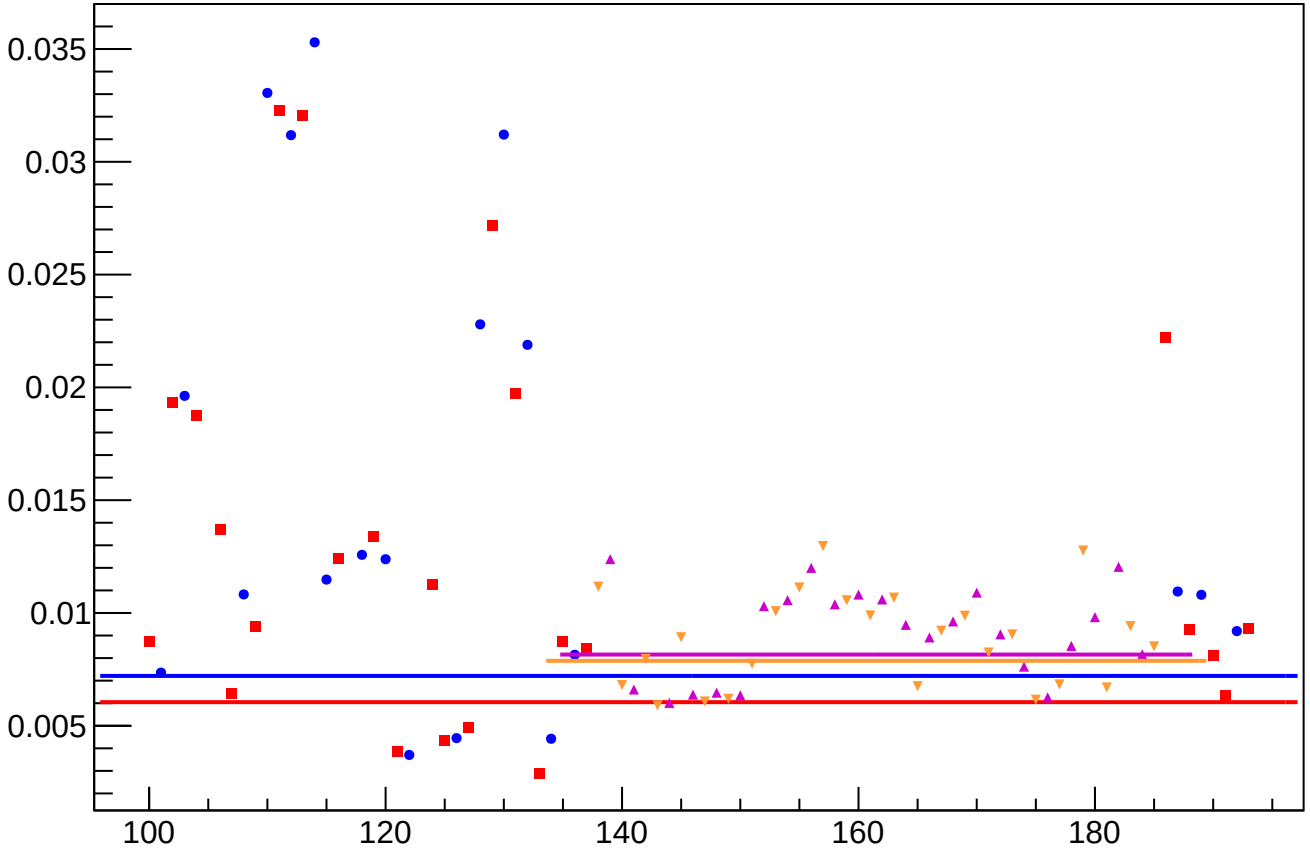
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.4/43

All: 0.000+/-0.000 χ^2/NDF: 116.1/90

- sign 0.000+/-0.000 χ^2/NDF: 43.3/46

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: 6565248.6/23

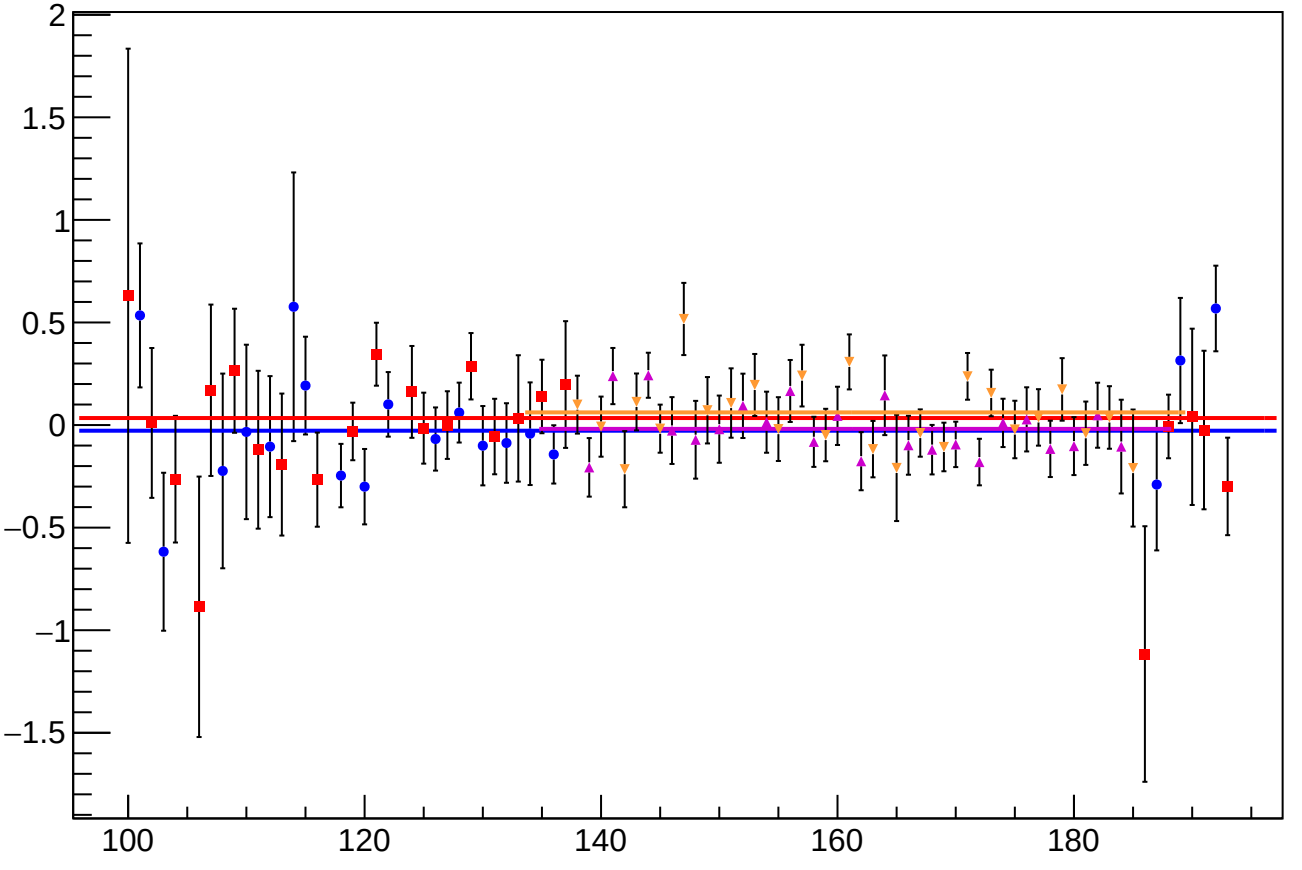
Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7209730.1/43

All: 0.007+/-0.000 χ^2/NDF: 16801621.4/90

- sign 0.007+/-0.000 χ^2/NDF: 9522118.3/46

asym_sam2_eigen_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: 0.034+/-0.047 χ^2/NDF: 19.8/23

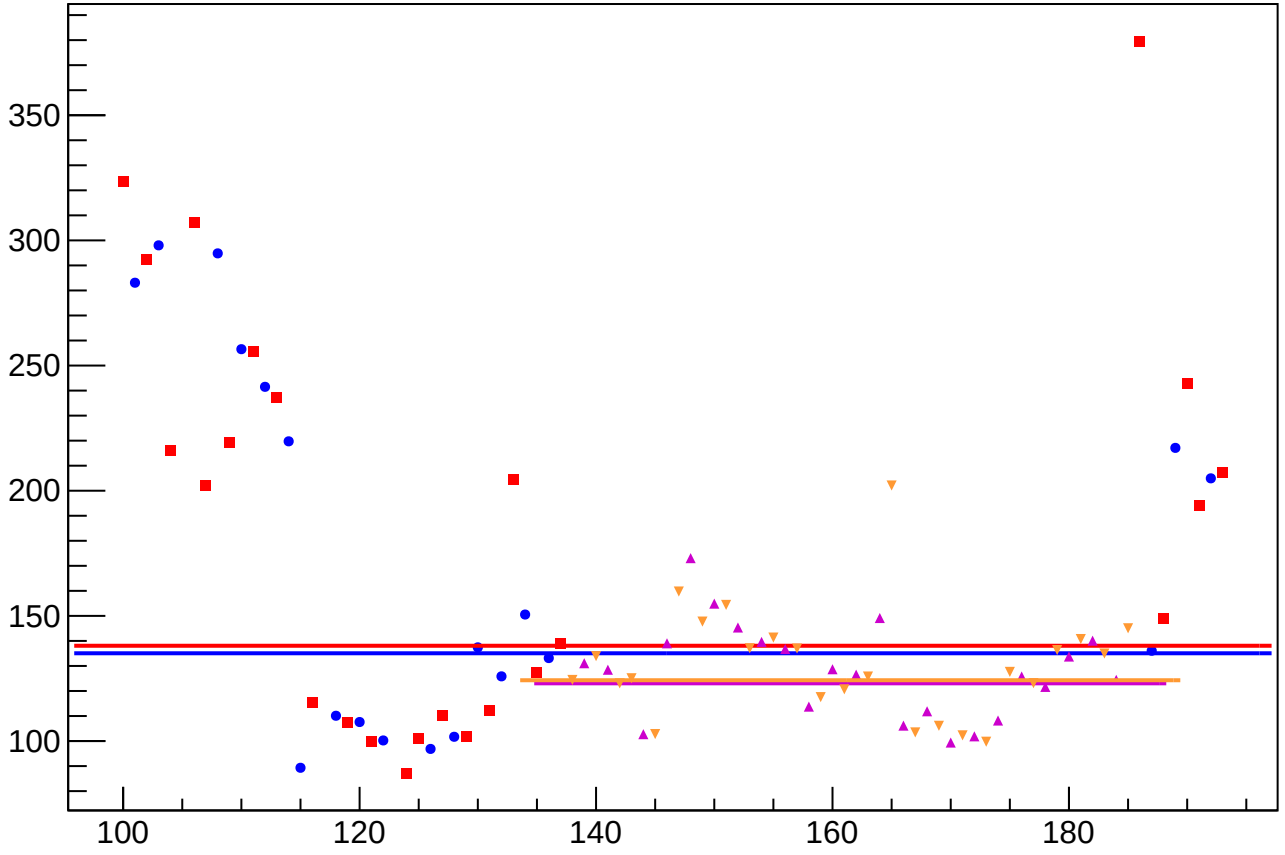
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.025 χ^2/NDF: 53.0/43

All: 0.018+/-0.018 χ^2/NDF: 95.6/90

- sign -0.004+/-0.025 χ^2/NDF: 41.0/46

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

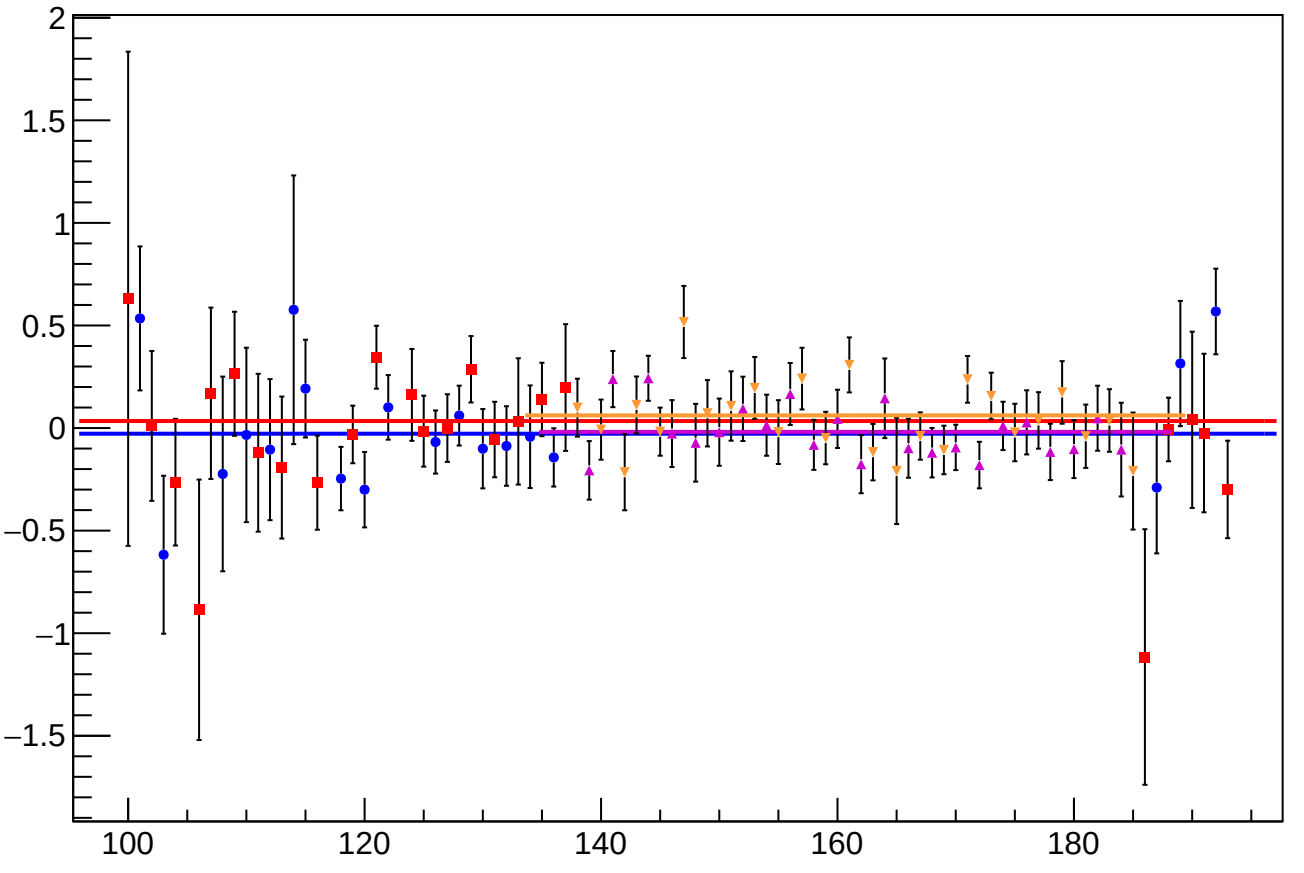
Right Out: 138.069+/-0.033 χ^2/NDF: 2586612.3/23

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 127.041+/-0.018 χ^2/NDF: 3120394.1/43

All: 127.143+/-0.012 χ^2/NDF: 6571885.2/90

- sign 127.245+/-0.018 χ^2/NDF: 3451423.5/46



Right In: -0.028+/-0.049 χ^2/NDF: 23.1/18

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

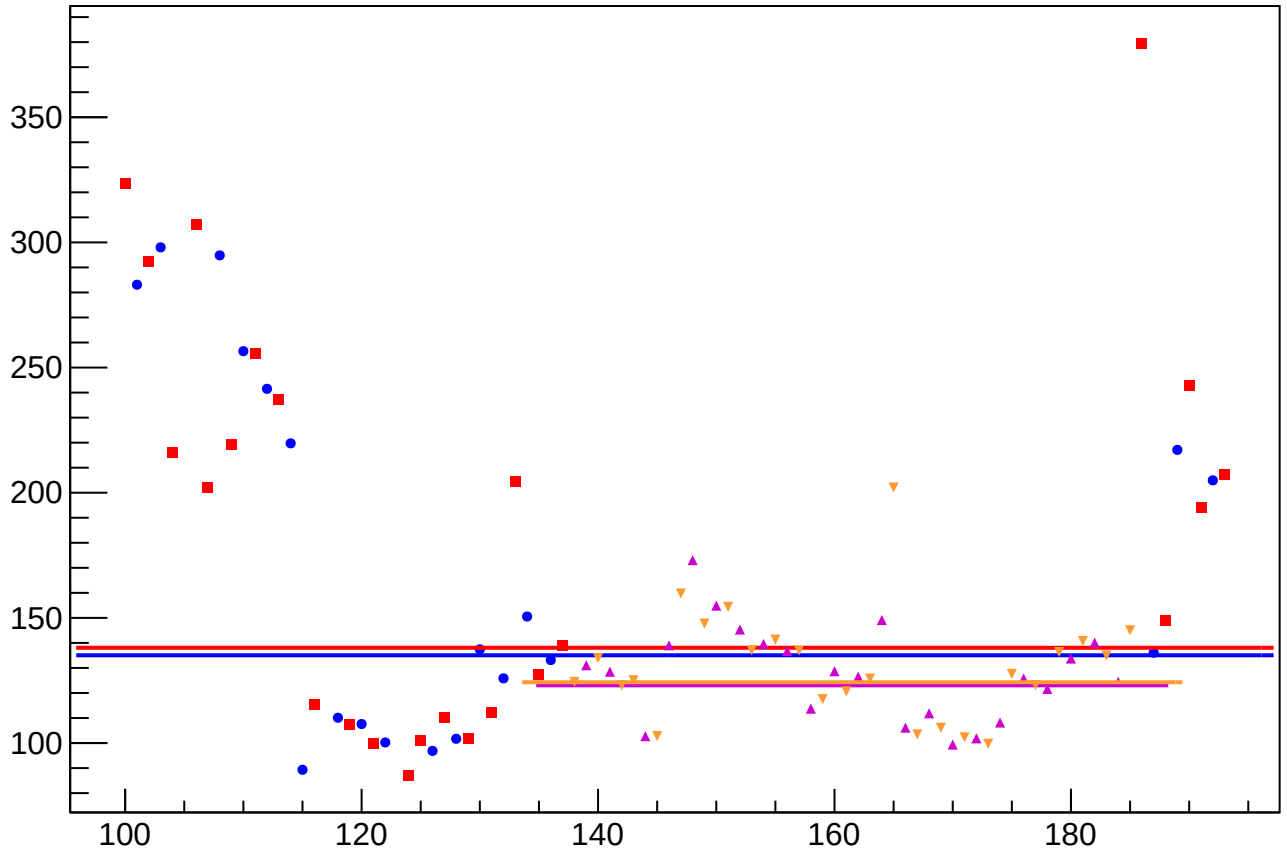
Right Out: 0.034+/-0.047 χ^2/NDF: 19.8/23

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.025 χ^2/NDF: 53.0/43

All: 0.018+/-0.018 χ^2/NDF: 95.6/90

- sign -0.004+/-0.025 χ^2/NDF: 41.0/46



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: 138.069+/-0.033 χ^2/NDF: 2586612.3/23

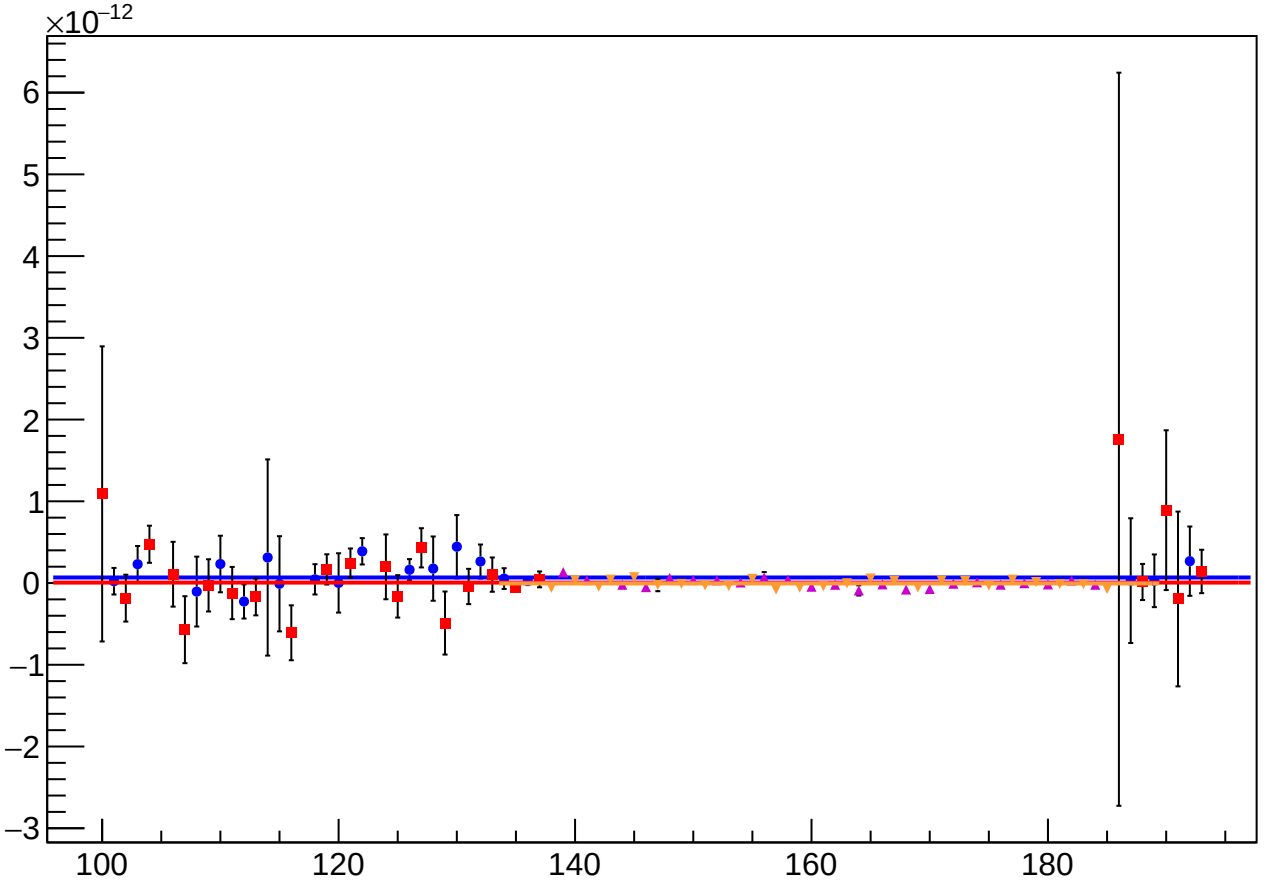
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 127.041+/-0.018 χ^2/NDF: 3120394.1/43

All: 127.143+/-0.012 χ^2/NDF: 6571885.2/90

- sign 127.245+/-0.018 χ^2/NDF: 3451423.5/46

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: 21.9/23

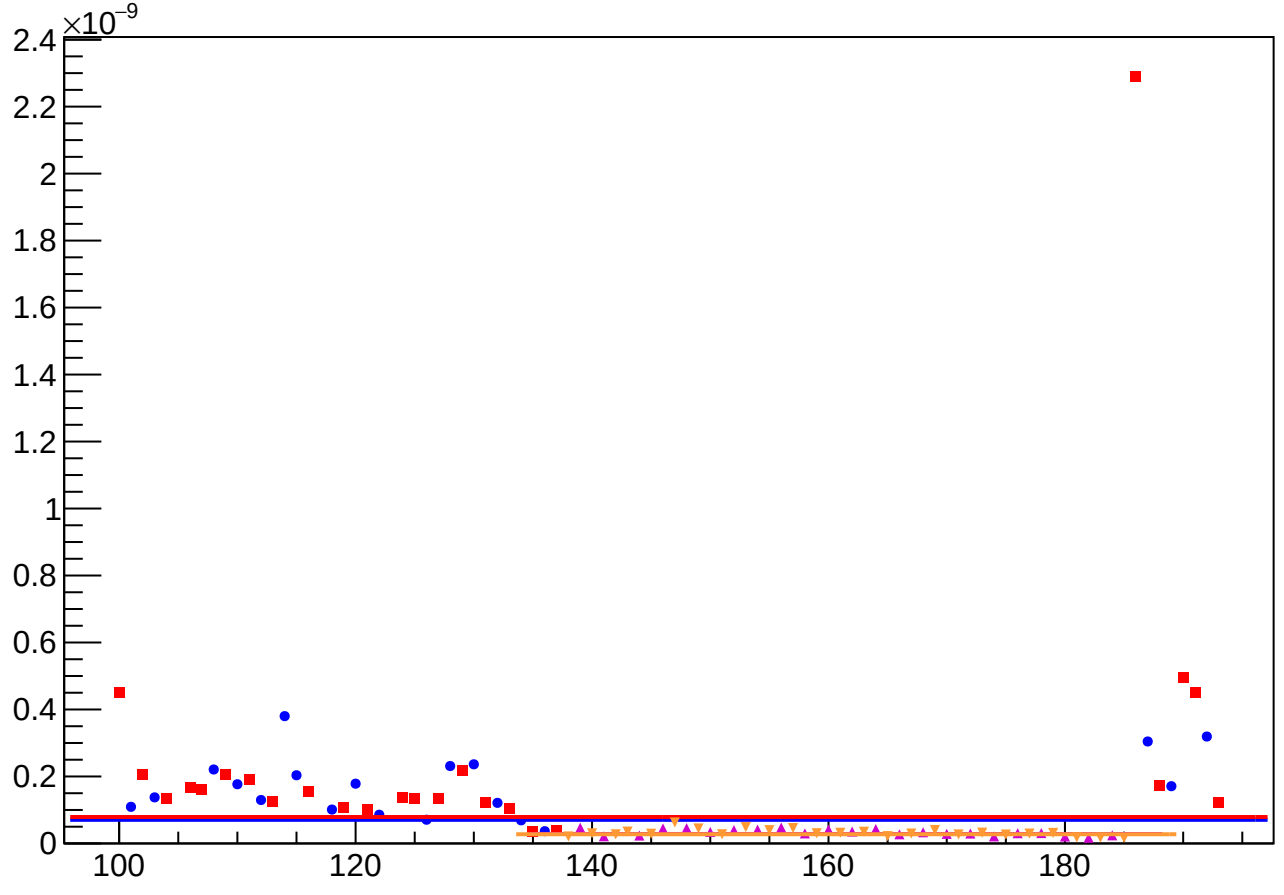
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.1/43

All: -0.000+/-0.000 χ^2/NDF: 85.7/90

- sign 0.000+/-0.000 χ^2/NDF: 46.6/46

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: 5196088.9/23

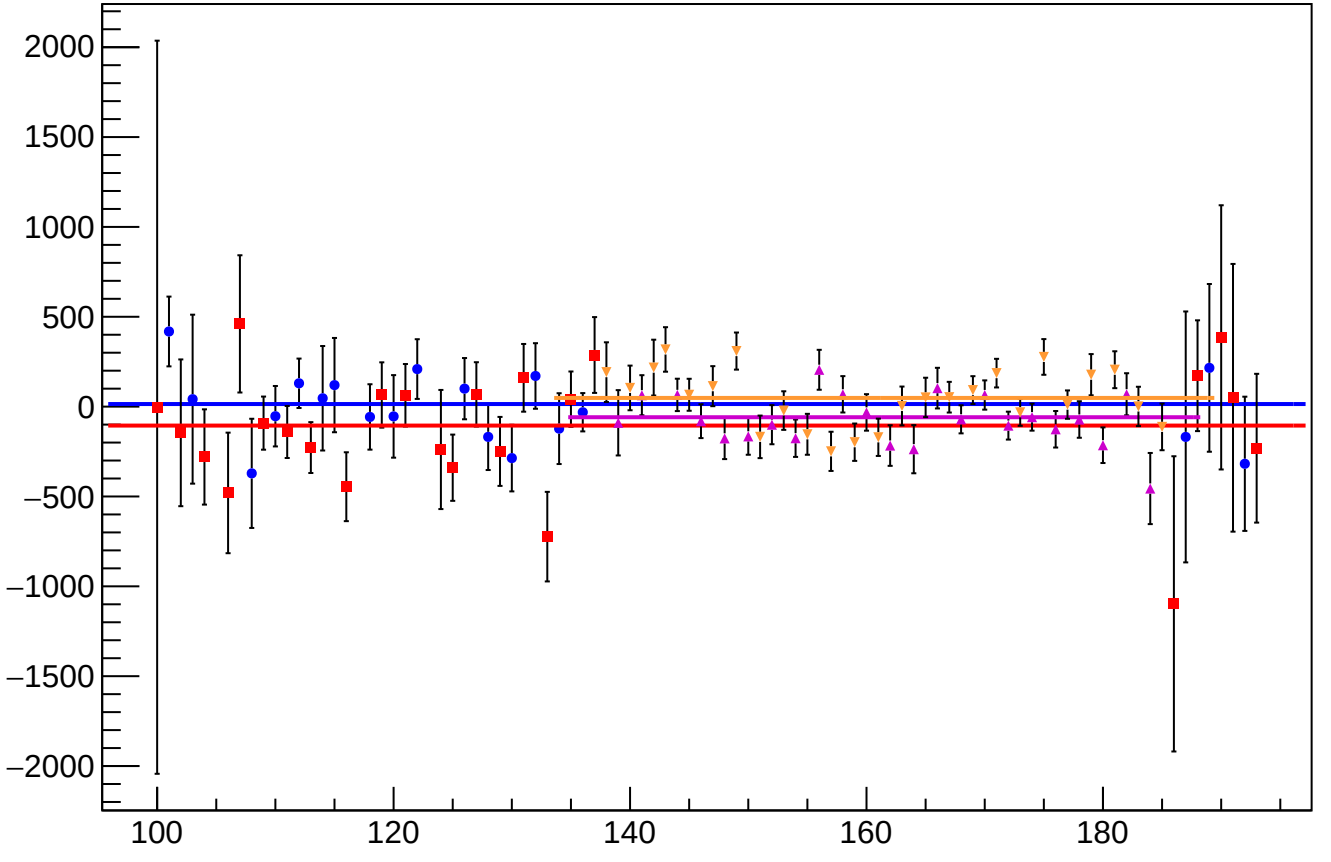
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9445025.2/43

All: 0.000+/-0.000 χ^2/NDF: 20189611.3/90

- sign 0.000+/-0.000 χ^2/NDF: 10729050.9/46

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: -105.441+/-44.824 χ^2/NDF: 28.3/23

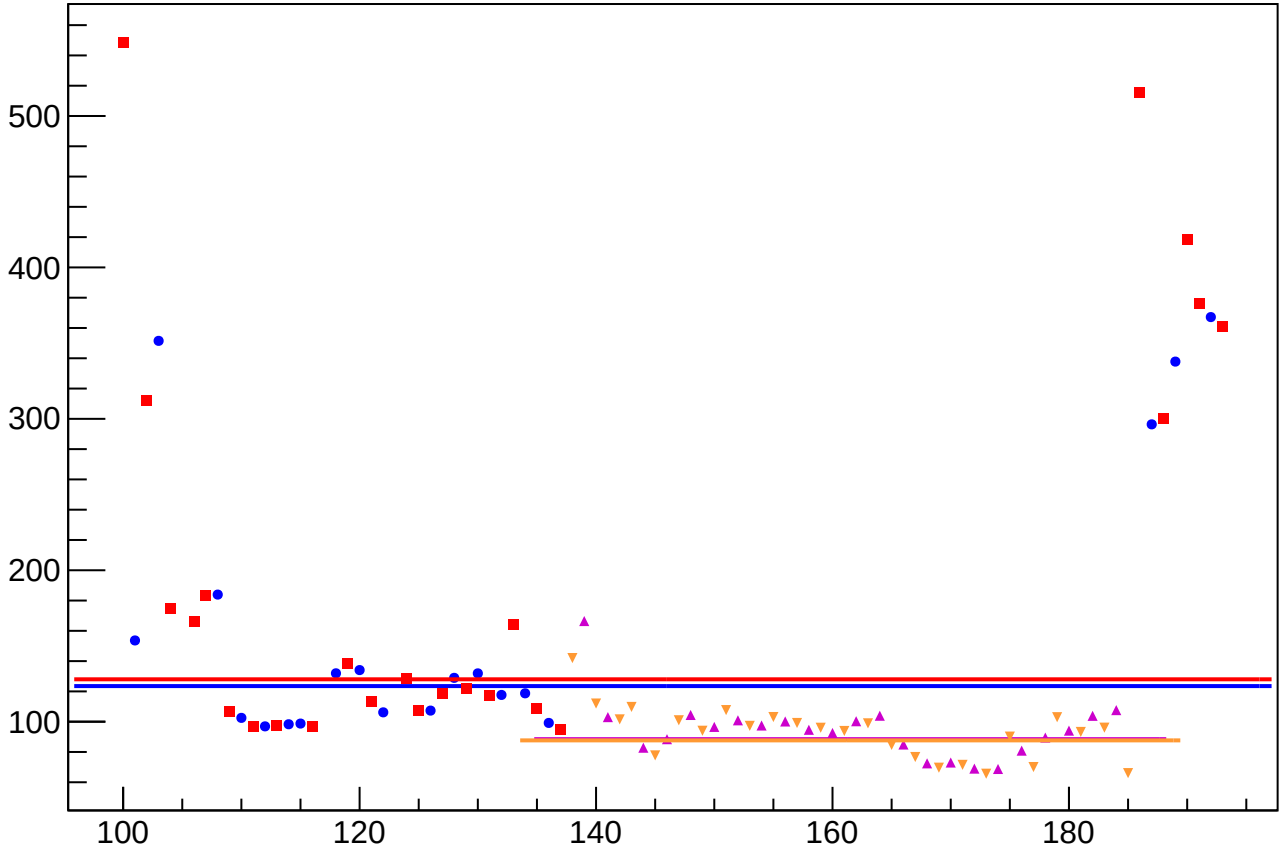
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 42.594+/-18.601 χ^2/NDF: 68.9/43

All: -10.891+/-13.337 χ^2/NDF: 145.8/90

- sign -67.472+/-19.132 χ^2/NDF: 59.8/46

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: 127.991+/-0.032 χ^2/NDF: 3321245.7/23

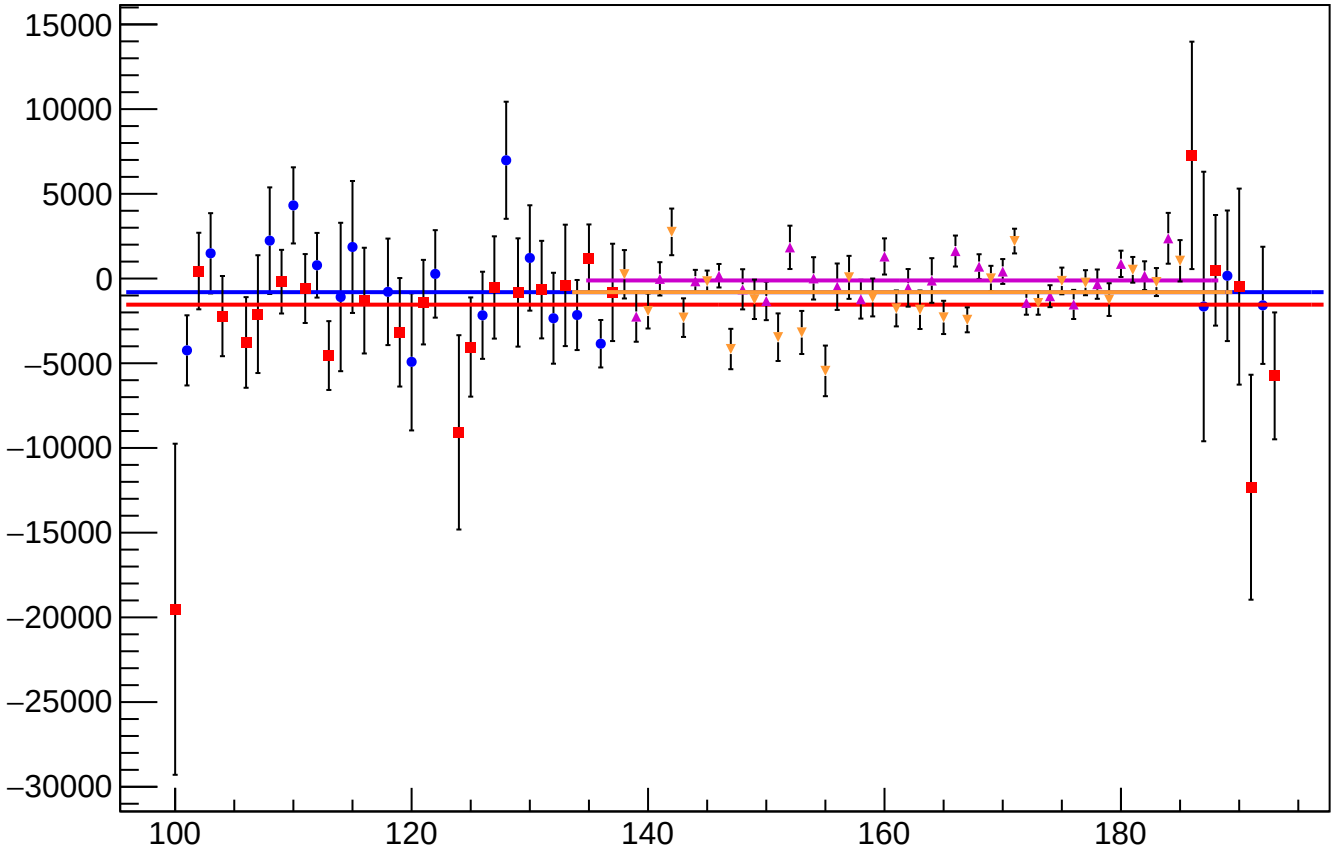
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 93.766+/-0.013 χ^2/NDF: 4557942.9/43

All: 94.696+/-0.009 χ^2/NDF: 10235874.9/90

- sign 95.680+/-0.014 χ^2/NDF: 5667642.9/46

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: -1541.459+/-587.192 χ^2/NDF: 18.9/23

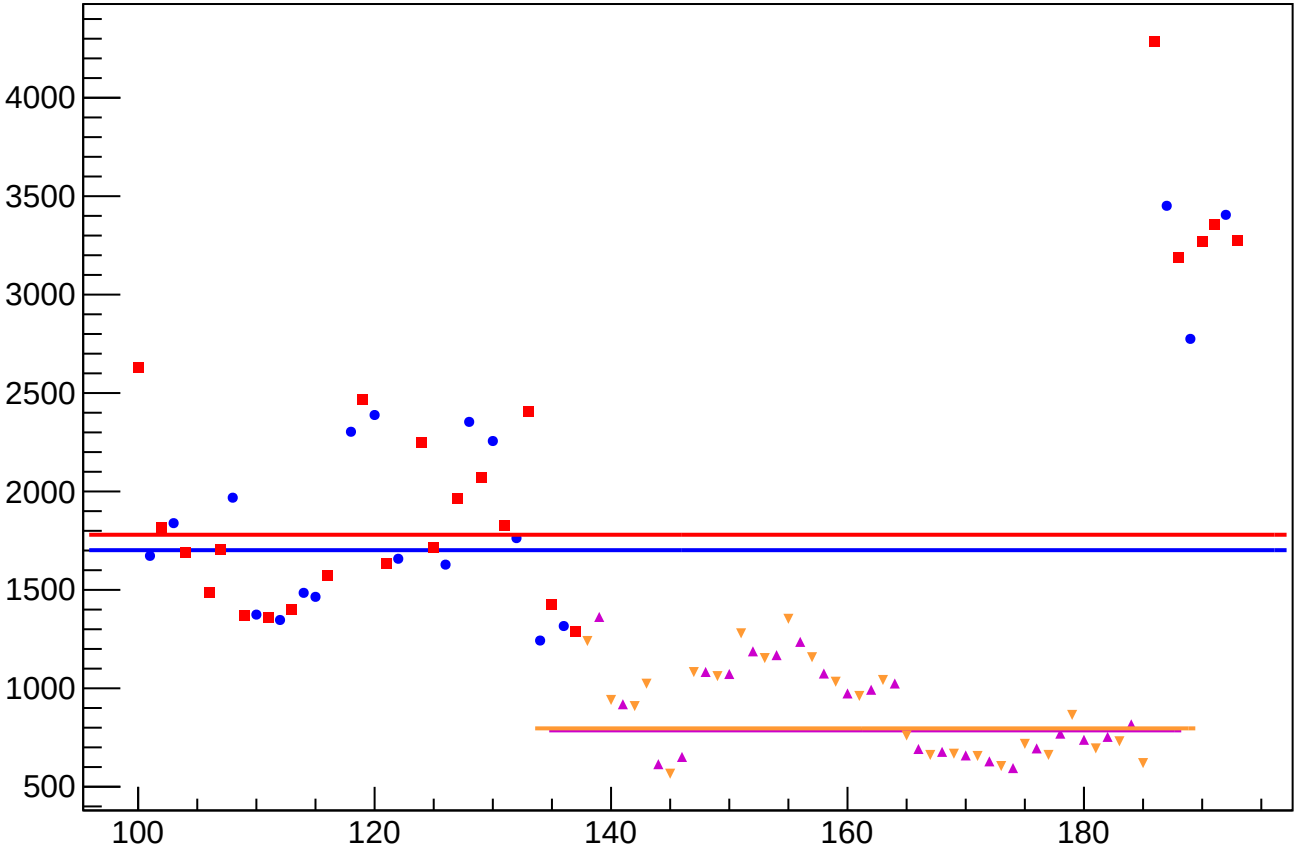
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -801.745+/-179.117 χ^2/NDF: 95.5/43

All: -527.905+/-127.317 χ^2/NDF: 151.6/90

- sign -248.265+/-181.004 χ^2/NDF: 51.4/46

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: 1780.107+/-0.415 χ^2/NDF: 1841429.8/23

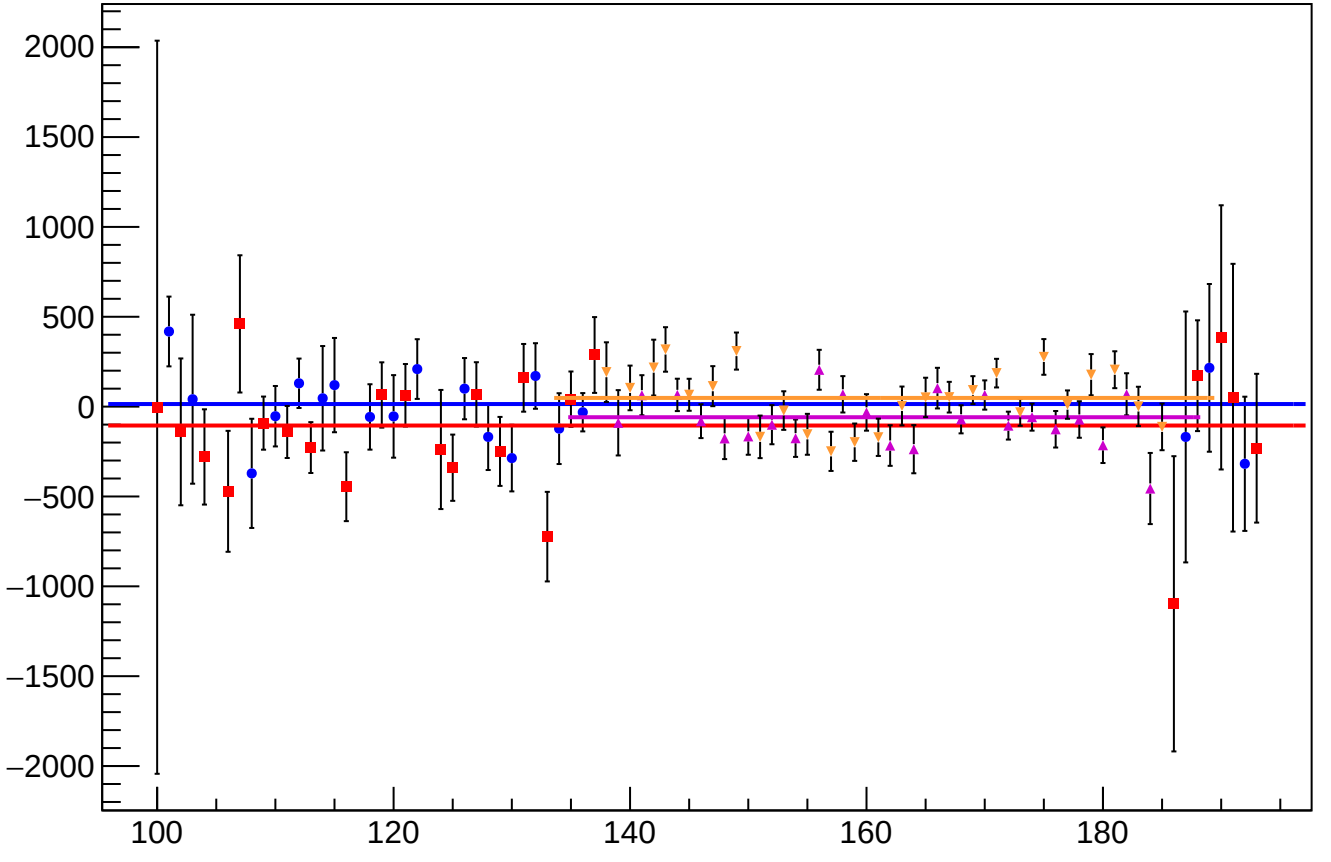
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 877.902+/-0.127 χ^2/NDF: 7998233.5/43

All: 879.318+/-0.090 χ^2/NDF: 17180701.1/90

- sign 880.764+/-0.128 χ^2/NDF: 9182214.9/46

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: -105.166+/-44.827 χ^2/NDF: 28.3/23

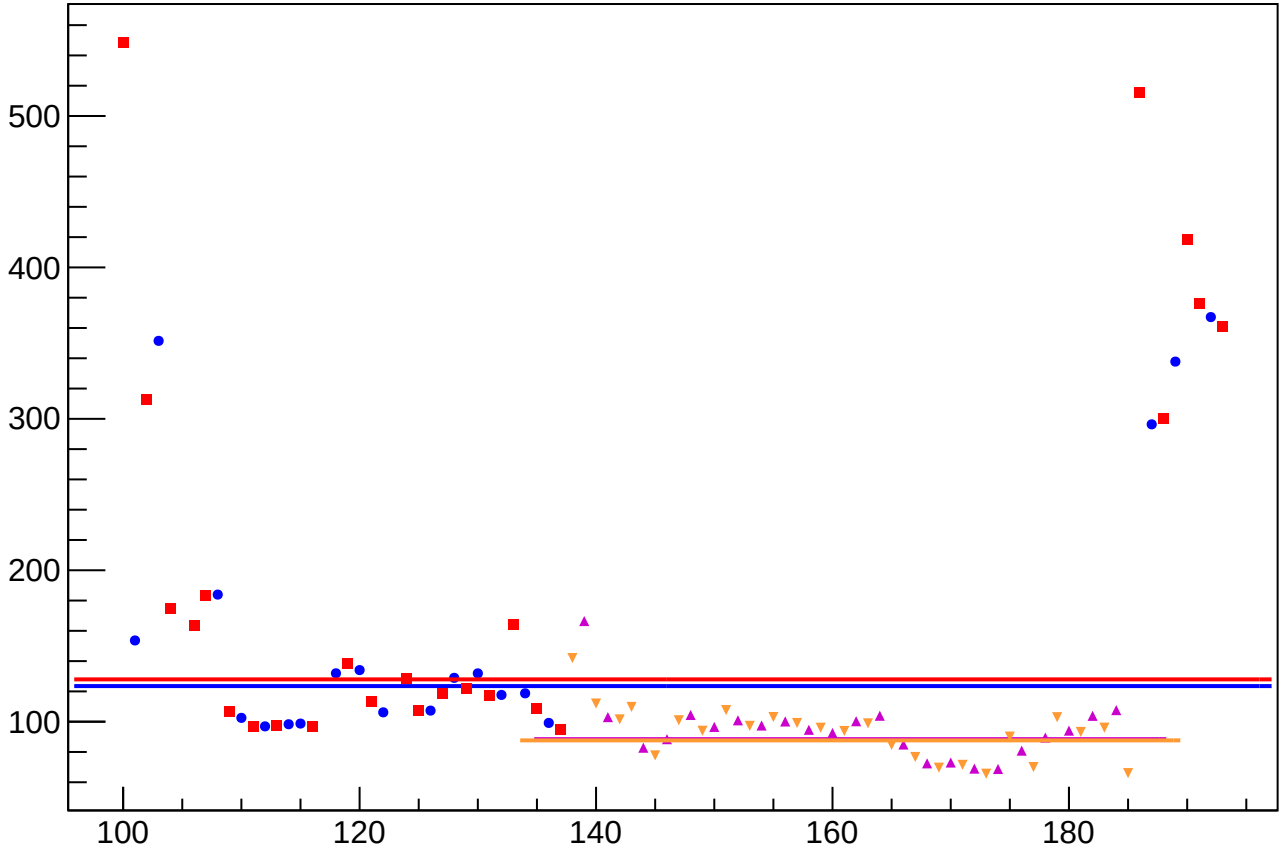
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 42.597+/-18.601 χ^2/NDF: 68.9/43

All: -10.865+/-13.337 χ^2/NDF: 145.7/90

- sign -67.423+/-19.132 χ^2/NDF: 59.7/46

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: 127.943+/-0.032 χ^2/NDF: 3318019.3/23

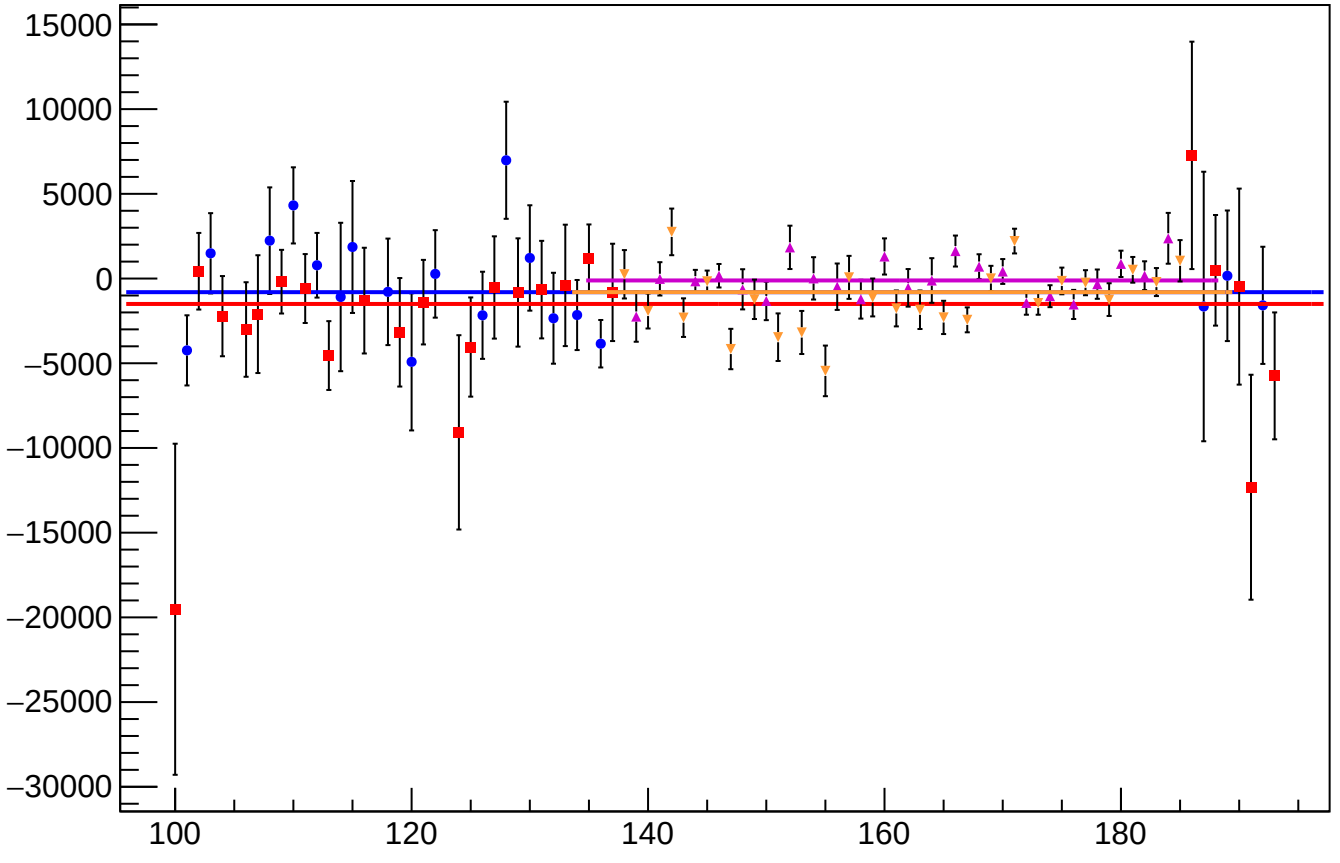
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 93.766+/-0.013 χ^2/NDF: 4557944.4/43

All: 94.692+/-0.009 χ^2/NDF: 10229312.2/90

- sign 95.671+/-0.014 χ^2/NDF: 5661181.1/46

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: -1499.958+/-588.374 χ^2/NDF: 18.5/23

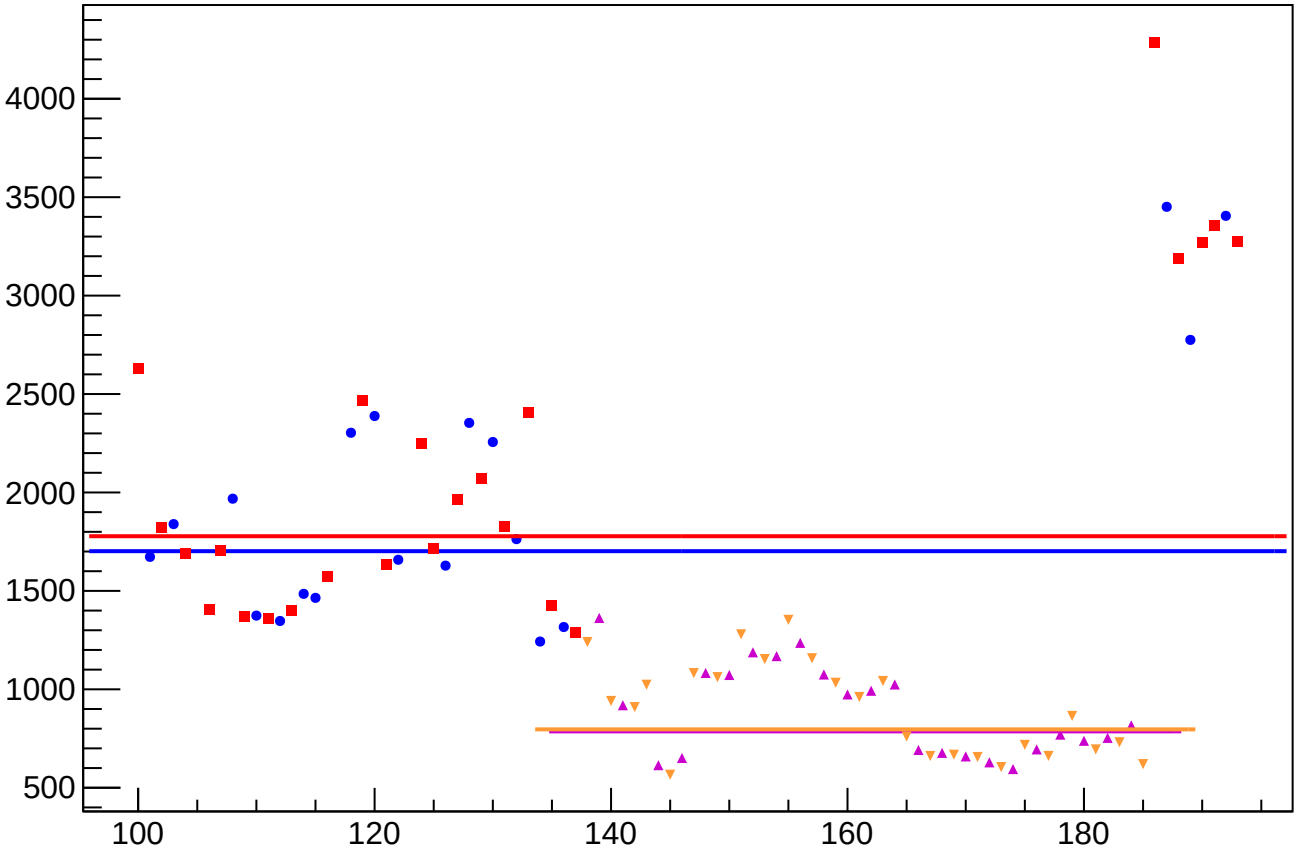
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.737+/-179.117 χ^2/NDF: 95.5/43

All: -525.767+/-127.329 χ^2/NDF: 150.9/90

- sign -243.844+/-181.039 χ^2/NDF: 50.6/46

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: 1777.745+/-0.416 χ^2/NDF: 1853384.7/23

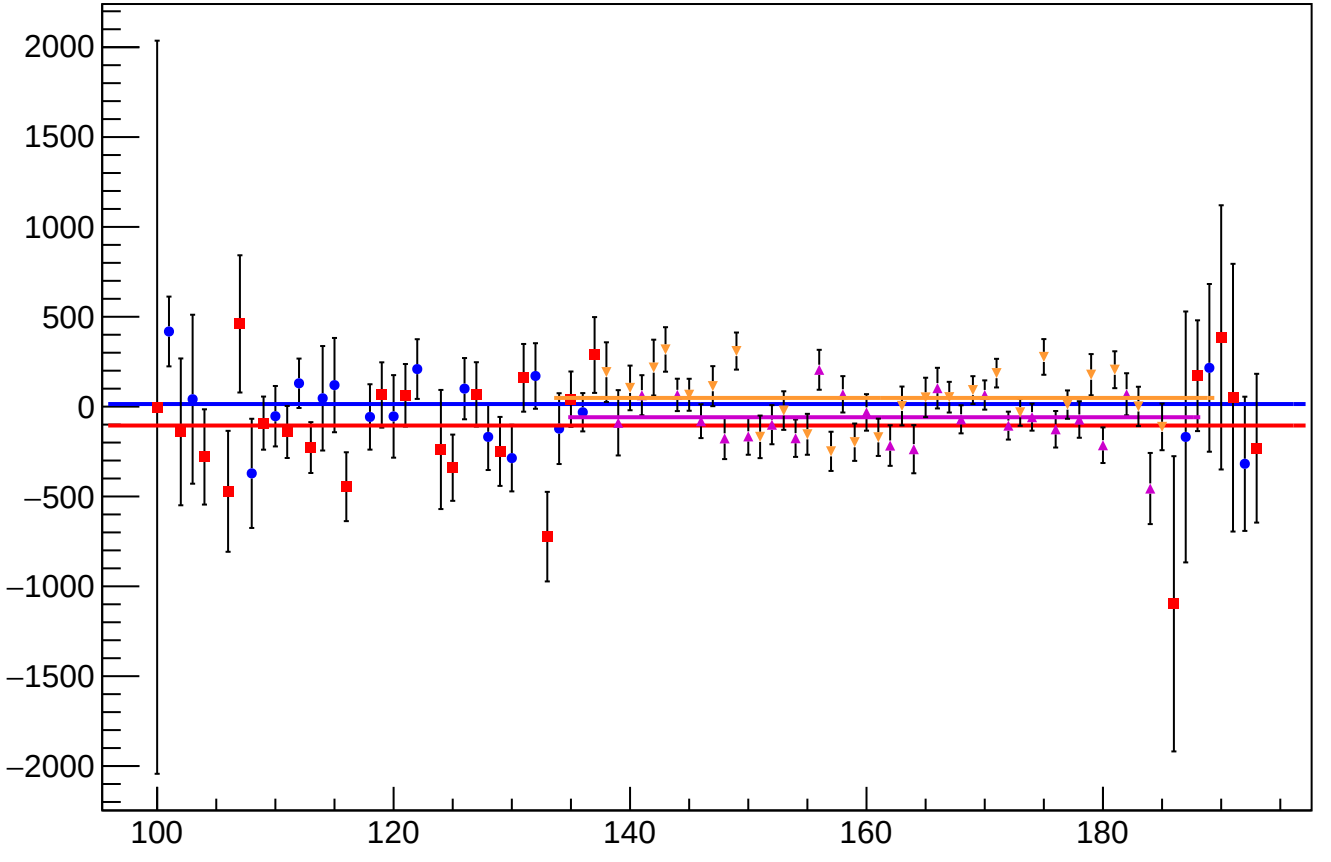
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 877.902+/-0.127 χ^2/NDF: 7998292.6/43

All: 879.037+/-0.090 χ^2/NDF: 17149256.8/90

- sign 880.198+/-0.128 χ^2/NDF: 9150801.6/46

eigen_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: -105.166+/-44.827 χ^2/NDF: 28.3/23

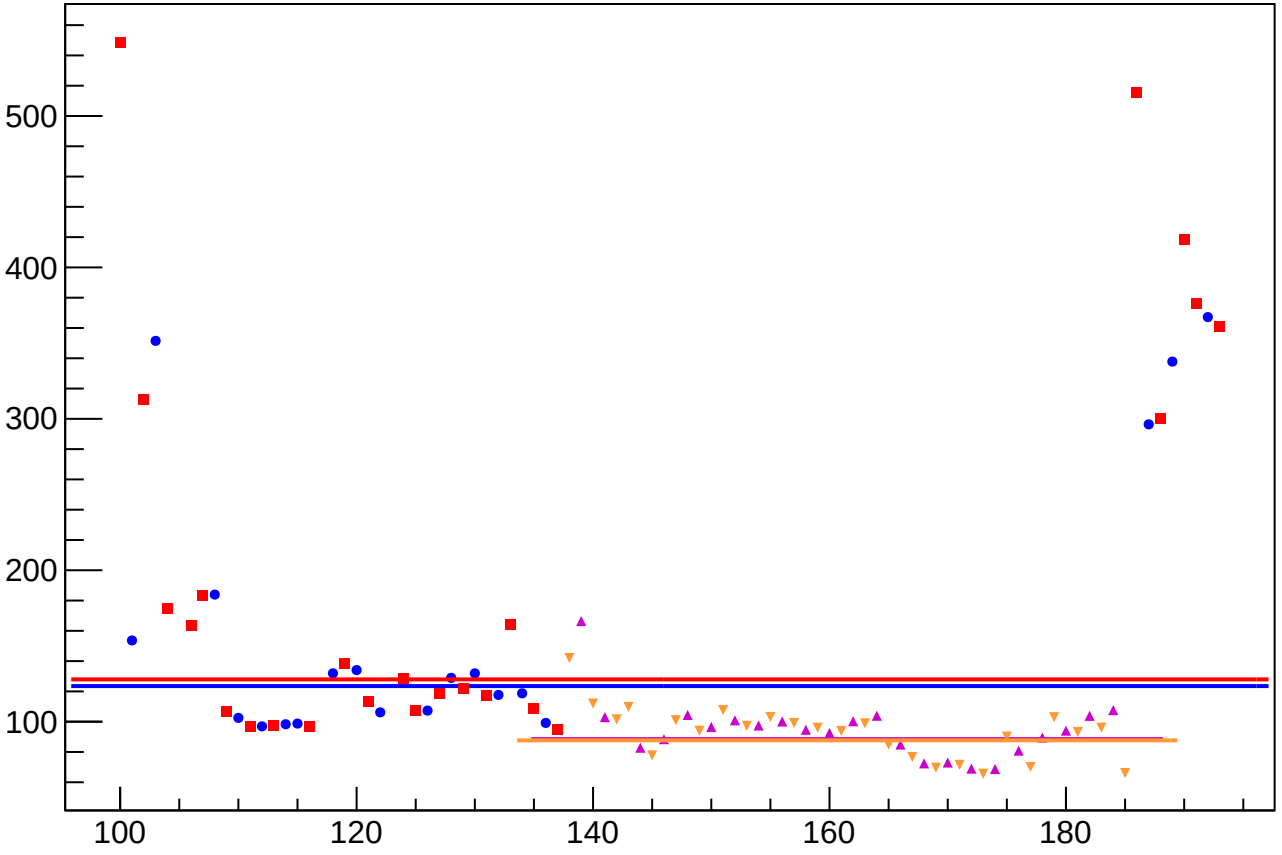
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 42.597+/-18.601 χ^2/NDF: 68.9/43

All: -10.865+/-13.337 χ^2/NDF: 145.7/90

- sign -67.423+/-19.132 χ^2/NDF: 59.7/46

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

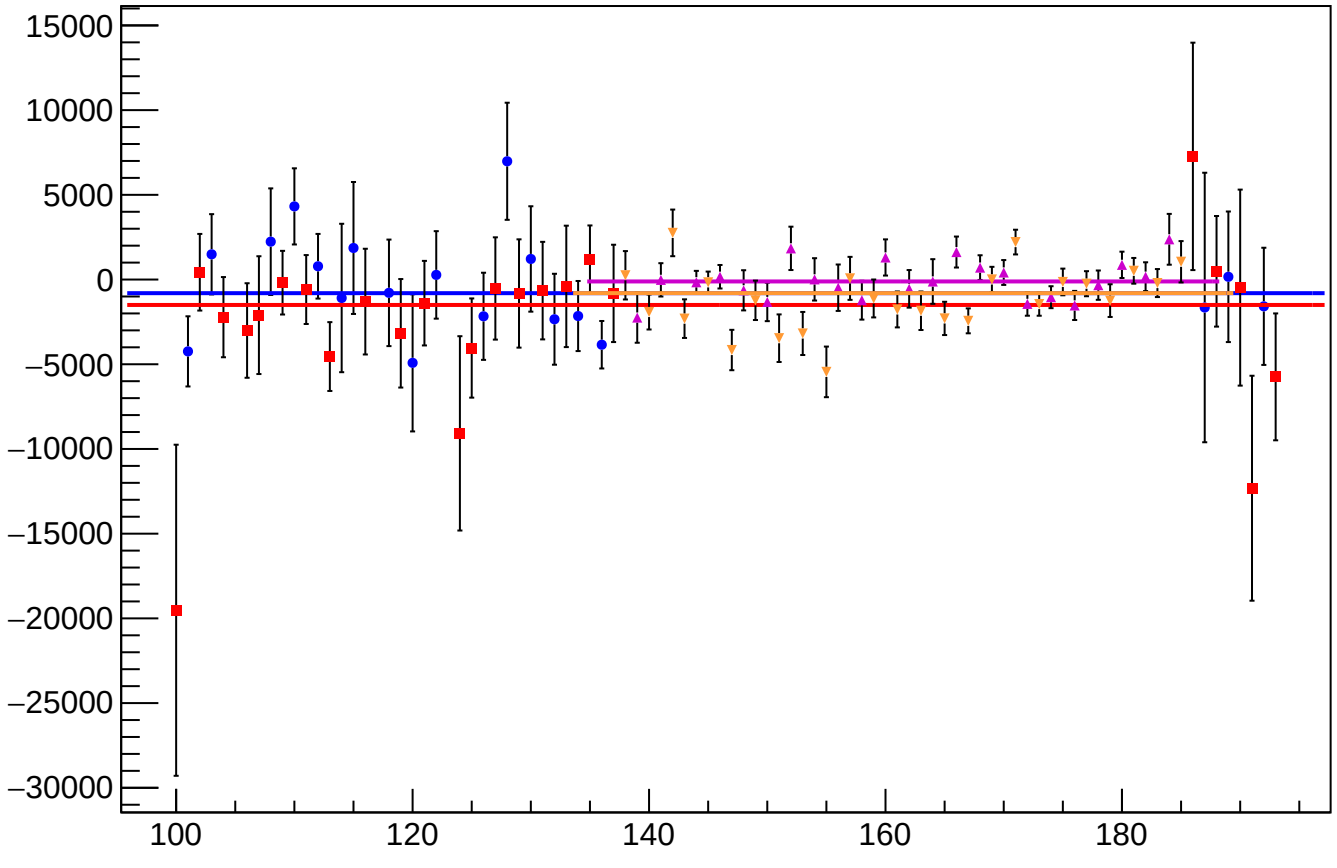
Right Out: 127.943+/-0.032 χ^2/NDF: 3318019.3/23

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 93.766+/-0.013 χ^2/NDF: 4557944.4/43

All: 94.692+/-0.009 χ^2/NDF: 10229312.2/90

- sign 95.671+/-0.014 χ^2/NDF: 5661181.1/46



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: -1499.958+/-588.374 χ^2/NDF: 18.5/23

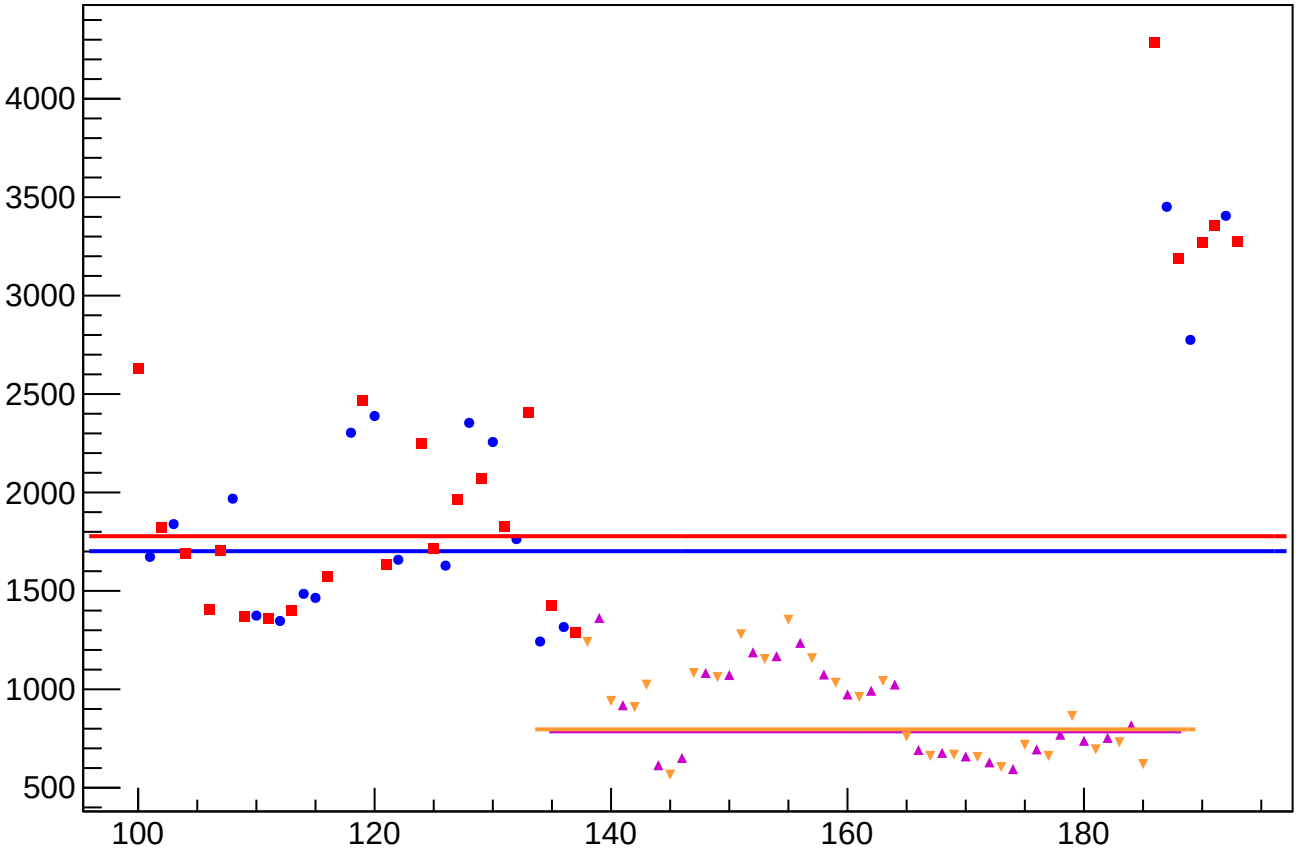
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.737+/-179.117 χ^2/NDF: 95.5/43

All: -525.767+/-127.329 χ^2/NDF: 150.9/90

- sign -243.844+/-181.039 χ^2/NDF: 50.6/46

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: 1777.745+/-0.416 χ^2/NDF: 1853384.7/23

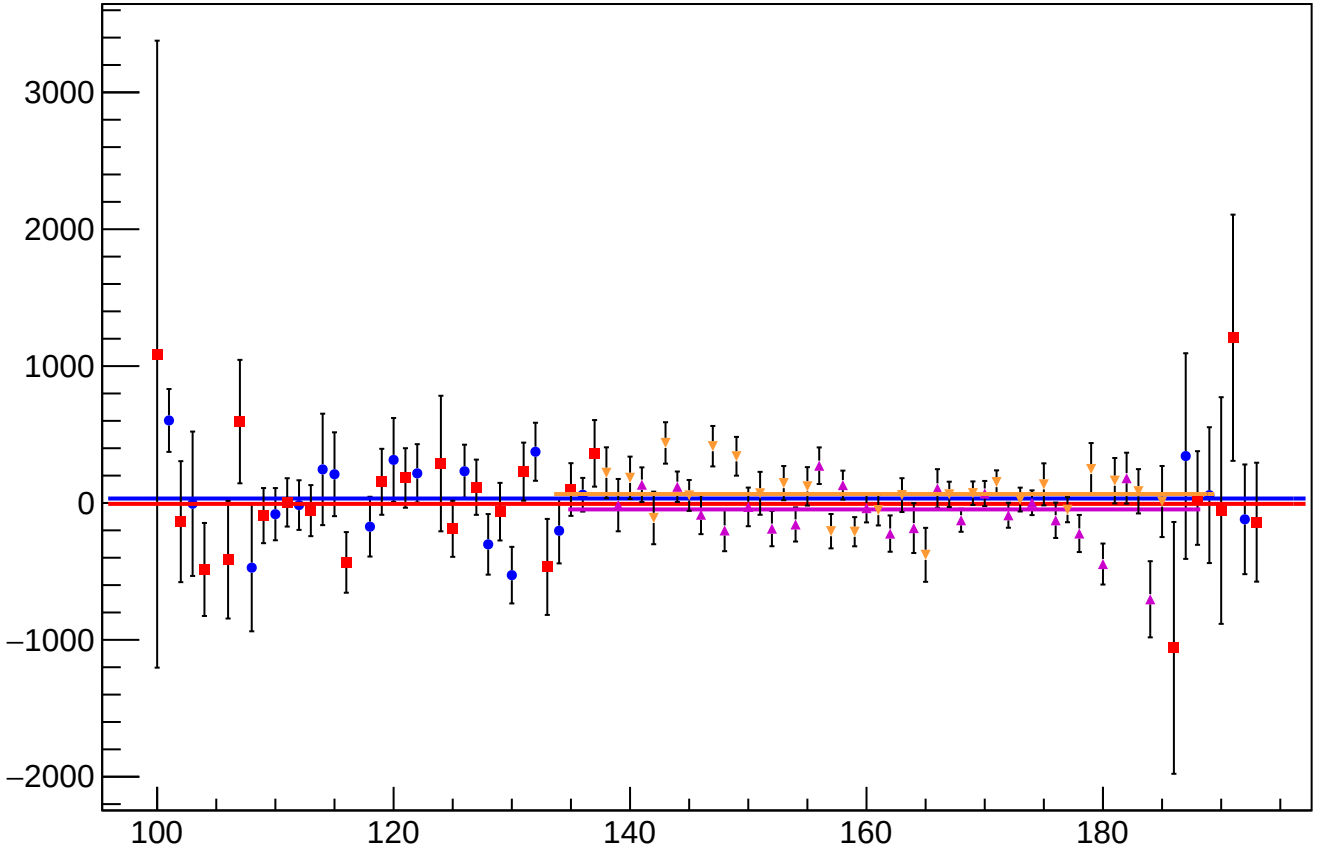
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 877.902+/-0.127 χ^2/NDF: 7998292.6/43

All: 879.037+/-0.090 χ^2/NDF: 17149256.8/90

- sign 880.198+/-0.128 χ^2/NDF: 9150801.6/46

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: -6.593+/-54.589 χ^2/NDF: 20.6/23

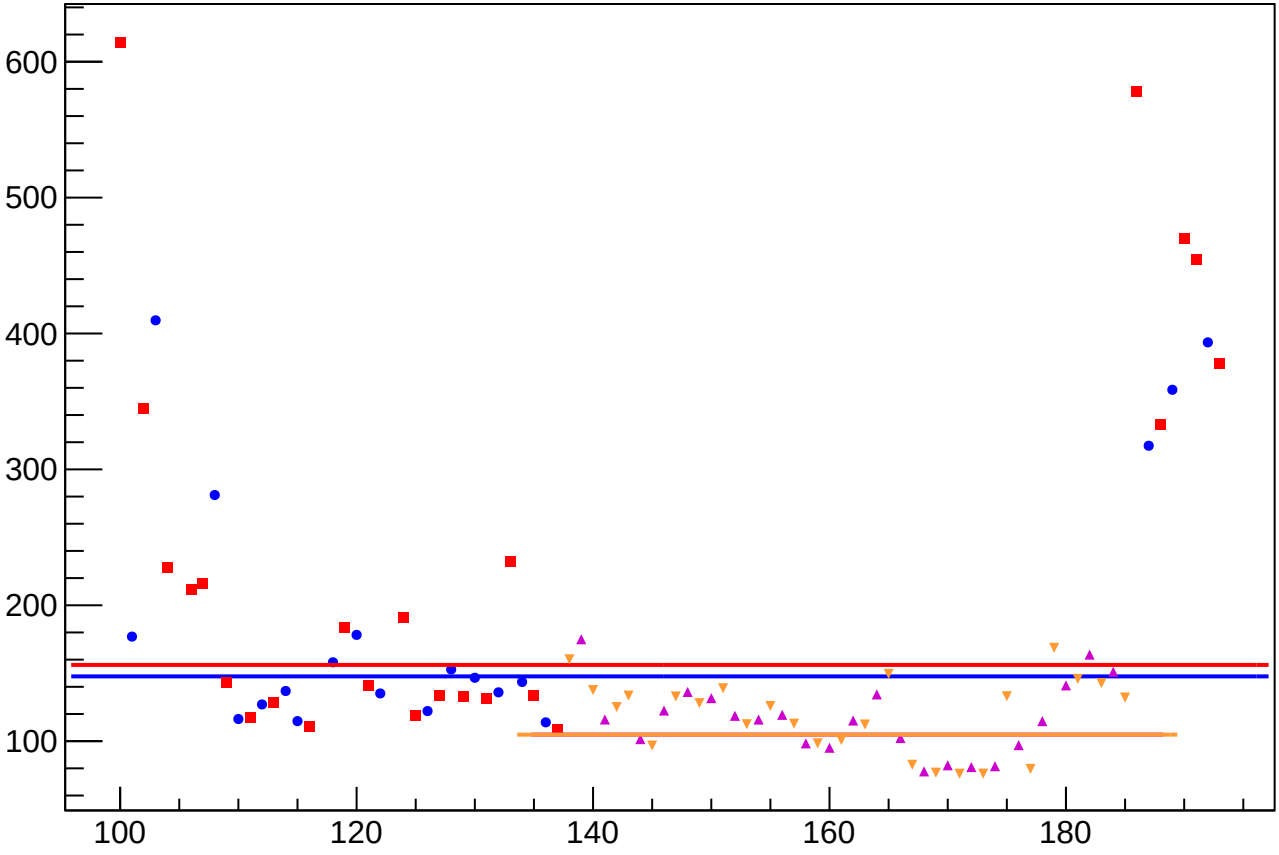
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 59.821+/-22.726 χ^2/NDF: 65.8/43

All: 11.191+/-16.252 χ^2/NDF: 134.8/90

- sign -39.703+/-23.249 χ^2/NDF: 59.6/46

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: 156.106+/-0.039 χ^2/NDF: 3203886.4/23

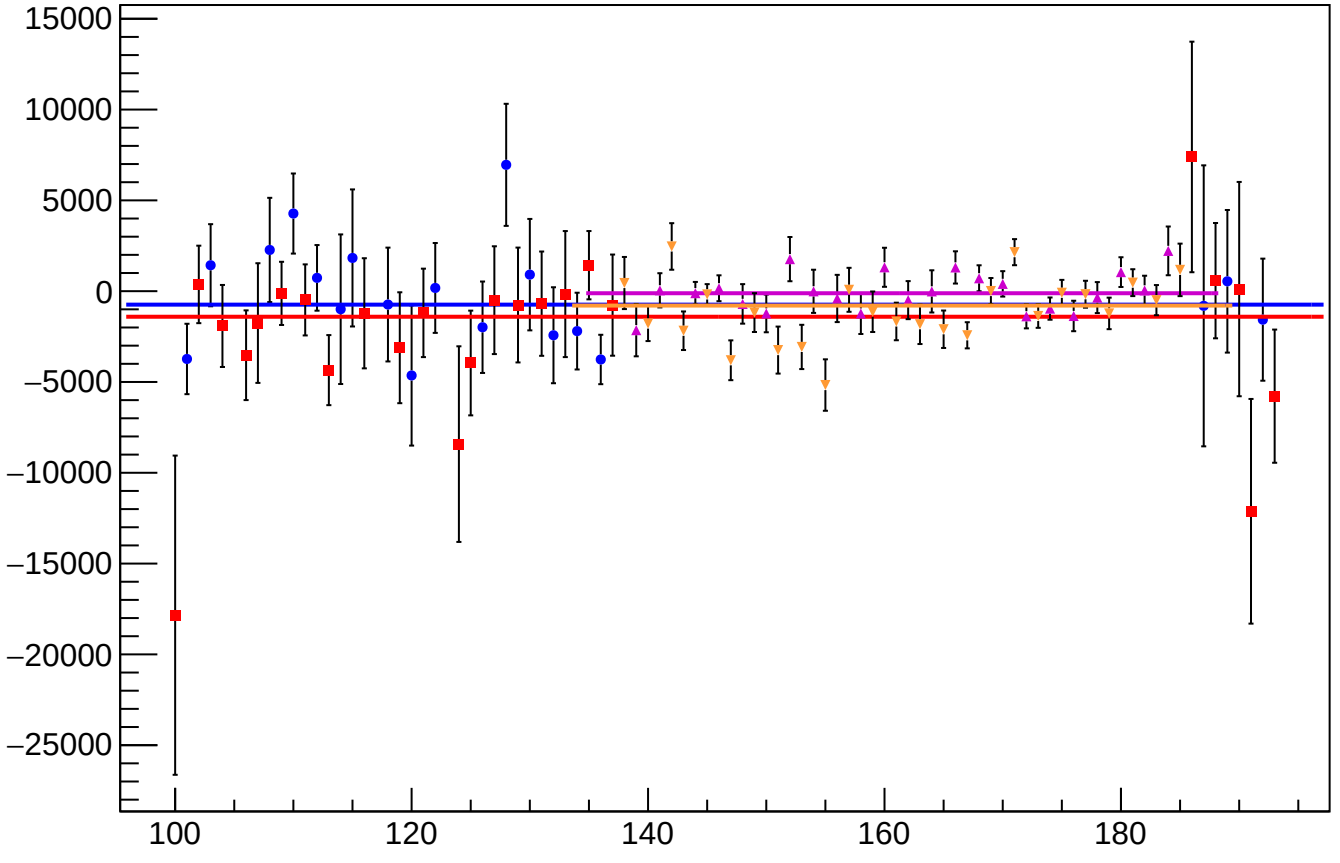
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 112.419+/-0.016 χ^2/NDF: 5517483.0/43

All: 113.257+/-0.011 χ^2/NDF: 11785652.1/90

- sign 114.134+/-0.016 χ^2/NDF: 6262602.7/46

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: -1407.990+/-561.899 χ^2/NDF: 20.3/23

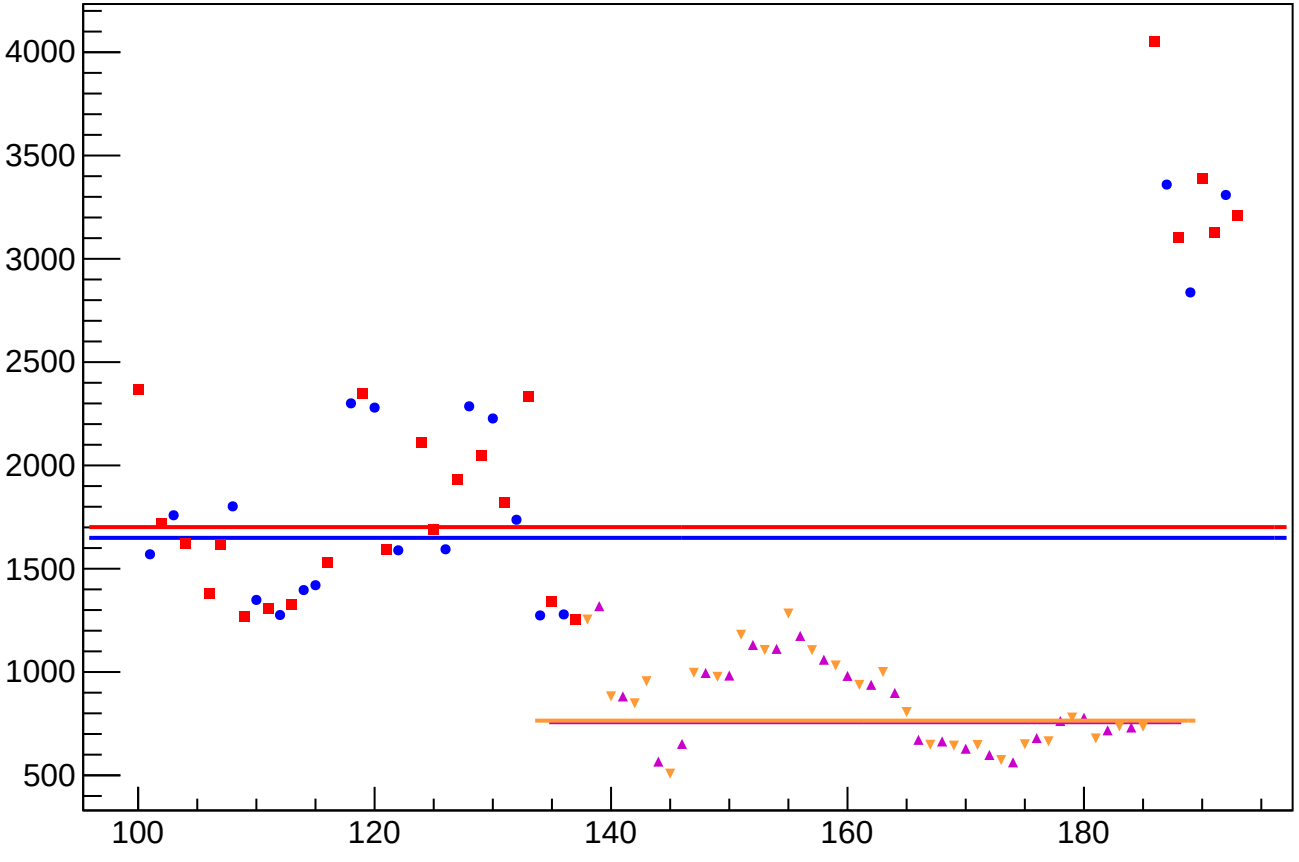
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -788.524+/-171.785 χ^2/NDF: 93.7/43

All: -516.944+/-122.285 χ^2/NDF: 150.2/90

- sign -237.954+/-174.112 χ^2/NDF: 51.4/46

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: 1701.489+/-0.397 χ^2/NDF: 1943800.8/23

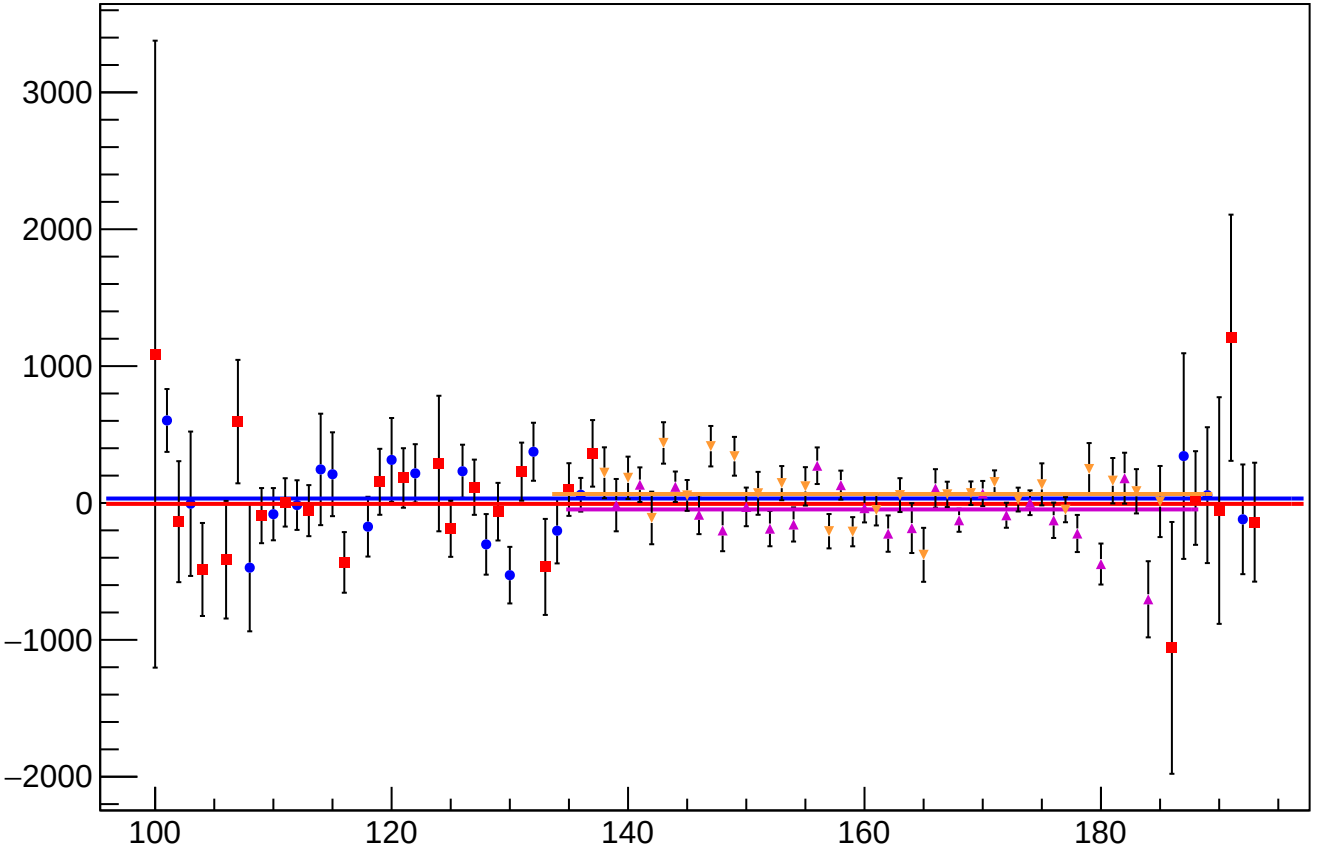
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

\+ sign 842.716+/-0.121 χ^2/NDF: 8106977.2/43

All: 845.135+/-0.086 χ^2/NDF: 17275850.6/90

\- sign 847.619+/-0.123 χ^2/NDF: 9168069.6/46

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: -6.589+/-54.590 χ^2/NDF: 20.6/23

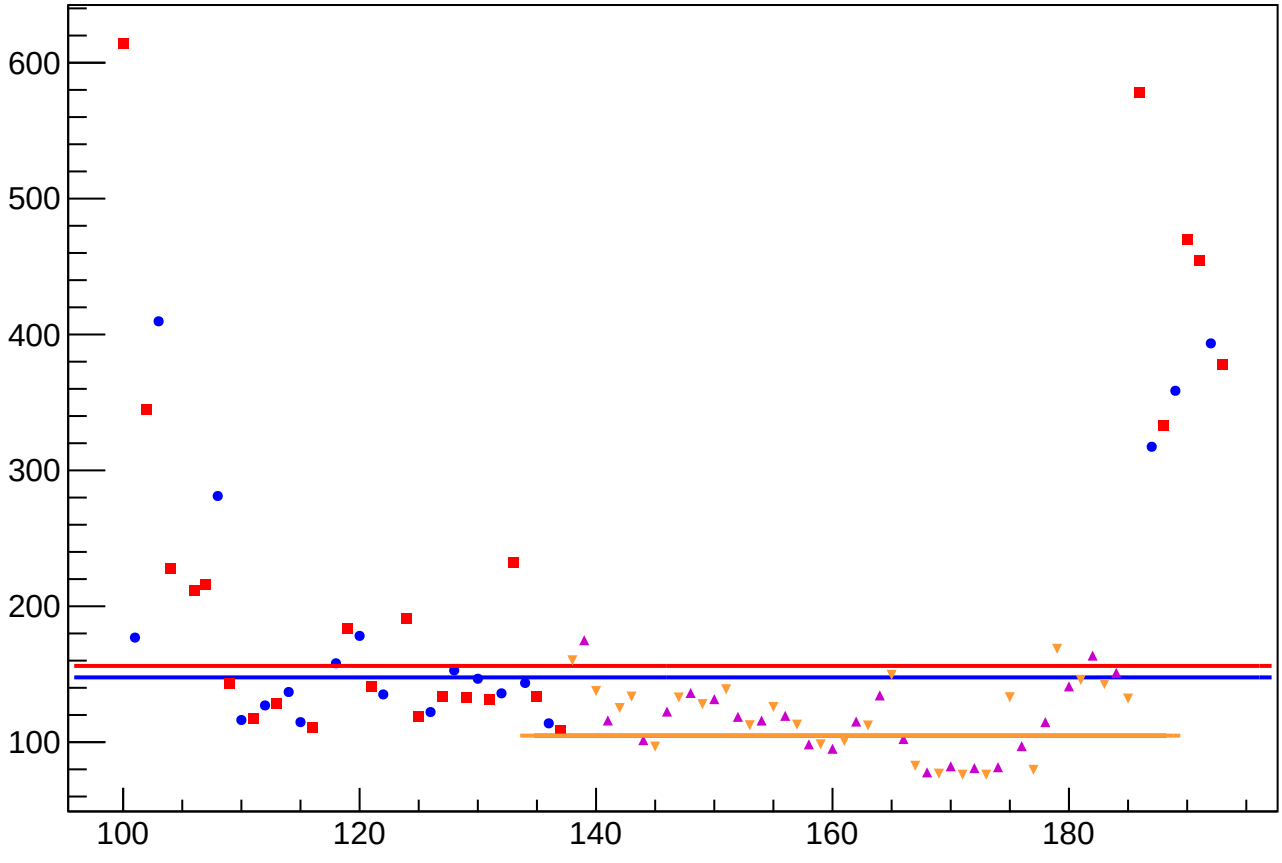
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 59.821+/-22.726 χ^2/NDF: 65.8/43

All: 11.192+/-16.252 χ^2/NDF: 134.8/90

- sign -39.701+/-23.249 χ^2/NDF: 59.6/46

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: 156.106+/-0.039 χ^2/NDF: 3203889.8/23

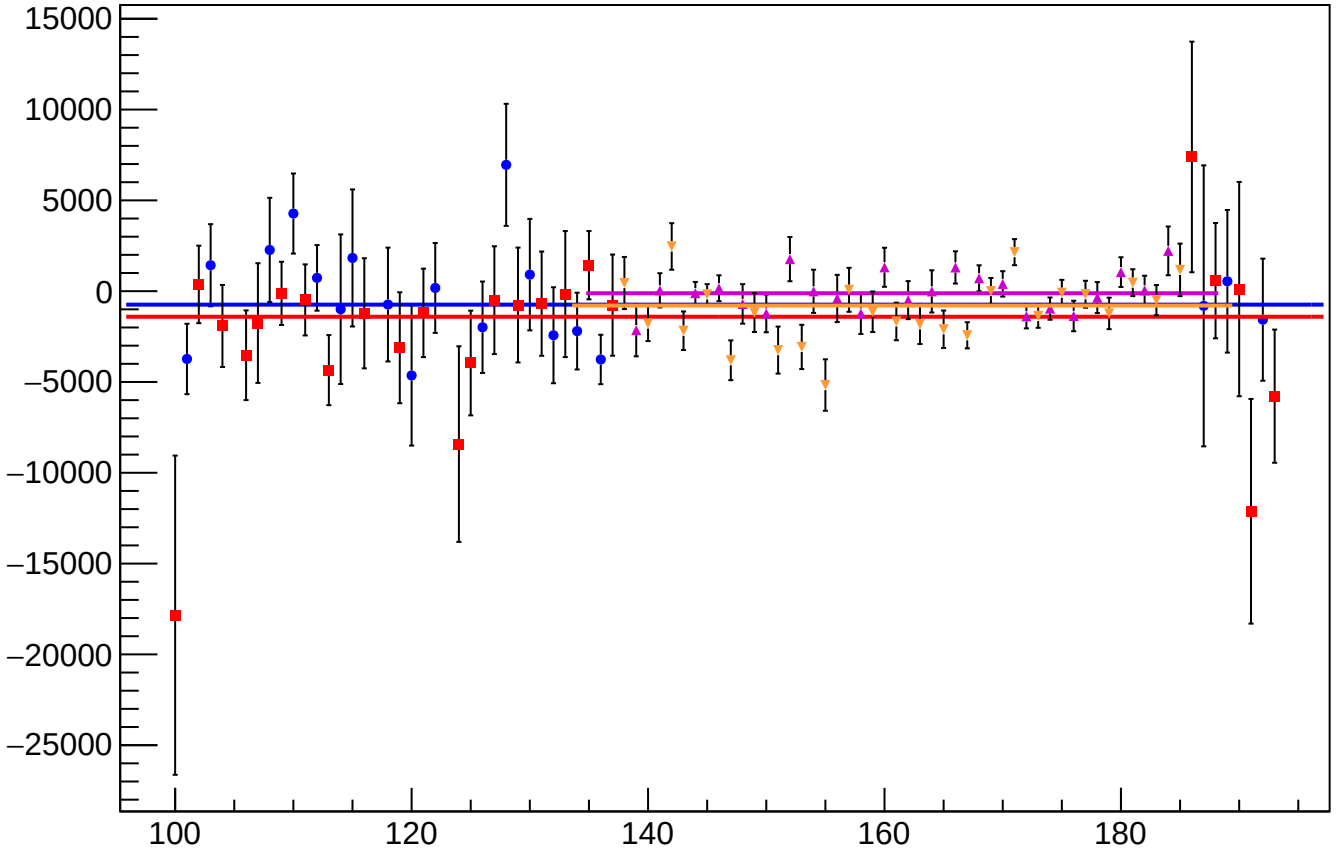
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 112.420+/-0.016 χ^2/NDF: 5517500.1/43

All: 113.258+/-0.011 χ^2/NDF: 11785683.5/90

- sign 114.135+/-0.016 χ^2/NDF: 6262617.2/46

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: -1407.989+/-561.899 χ^2/NDF: 20.3/23

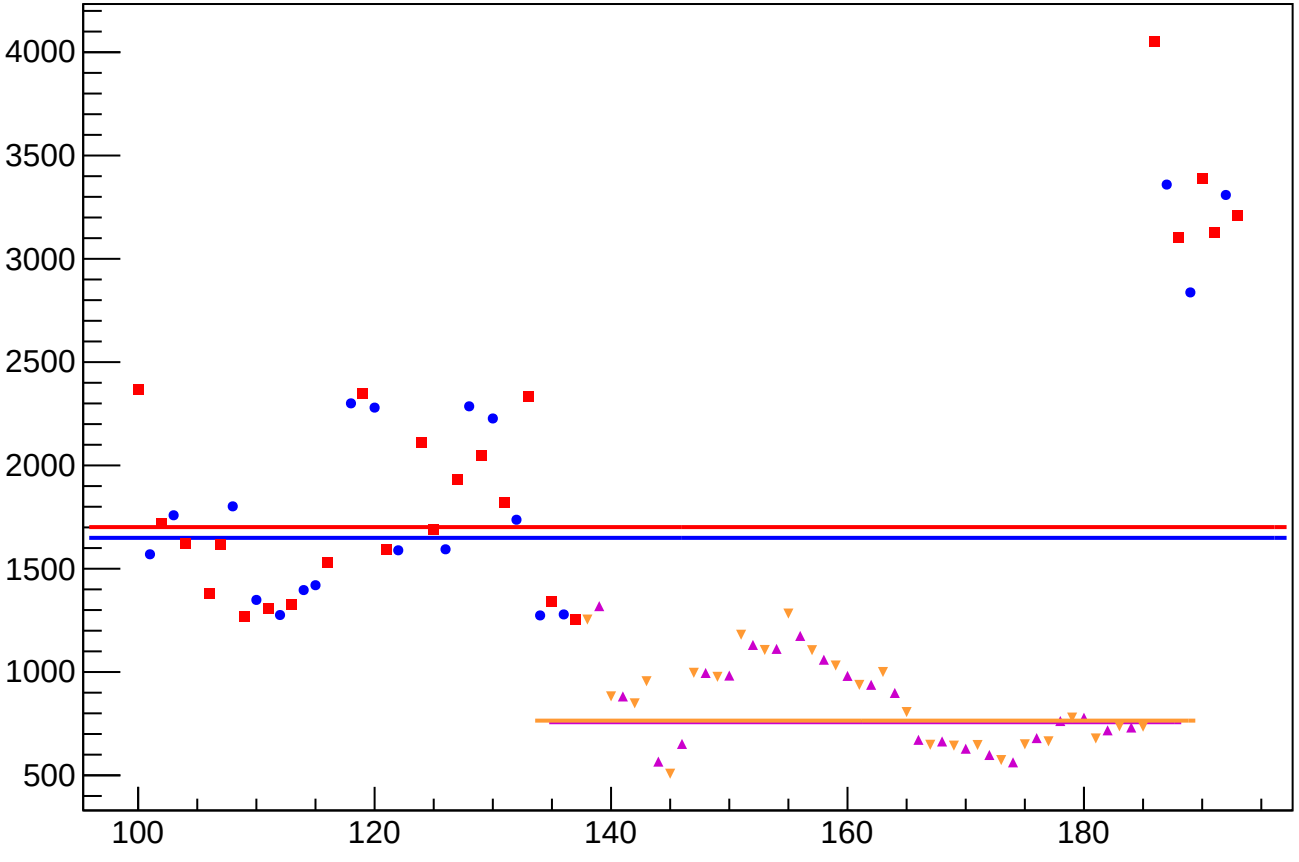
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -788.525+/-171.785 χ^2/NDF: 93.7/43

All: -516.944+/-122.285 χ^2/NDF: 150.2/90

- sign -237.954+/-174.112 χ^2/NDF: 51.4/46

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: 1701.487+/-0.397 χ^2/NDF: 1943800.3/23

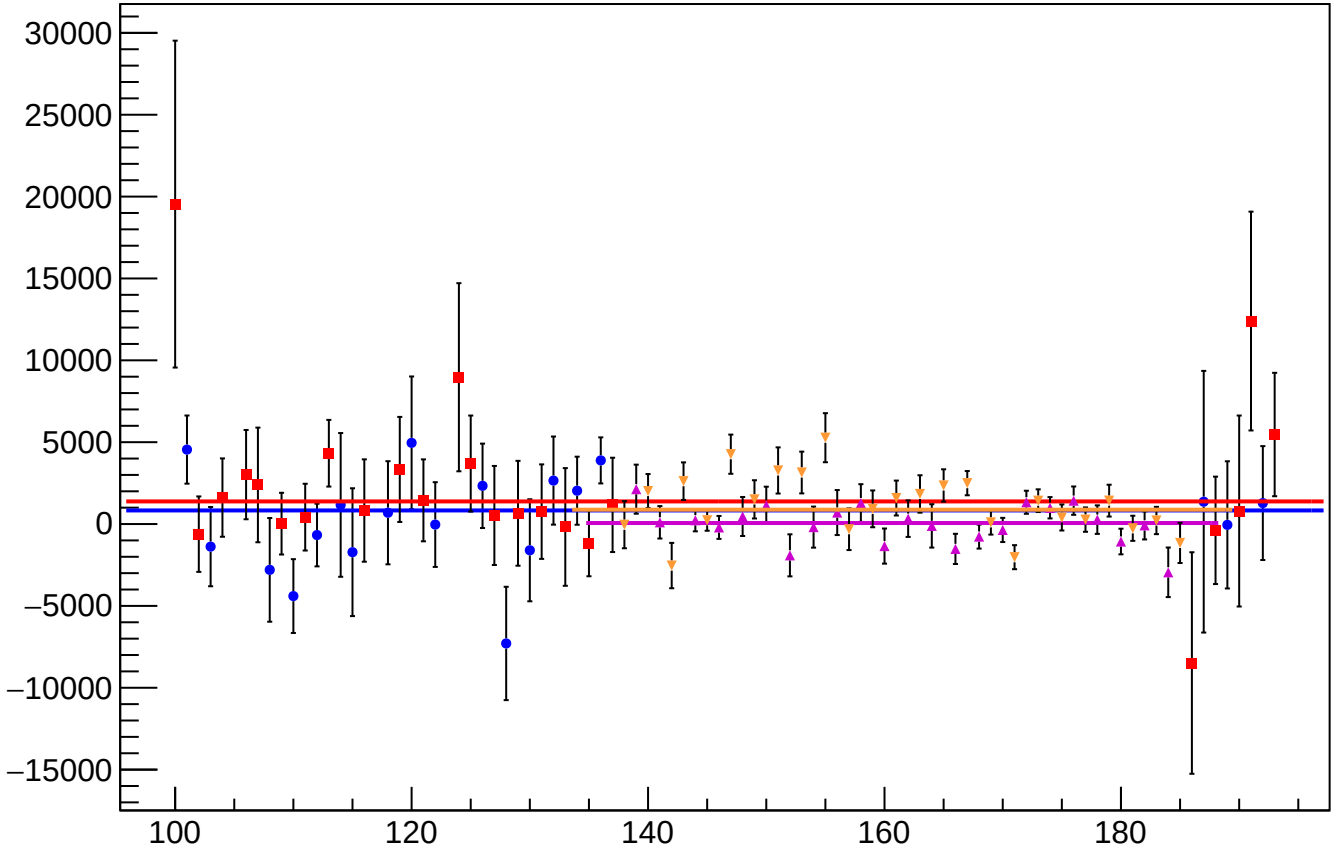
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 842.715+/-0.121 χ^2/NDF: 8106968.1/43

All: 845.134+/-0.086 χ^2/NDF: 17275831.1/90

- sign 847.619+/-0.123 χ^2/NDF: 9168059.2/46

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: 1381.745+/-590.422 χ^2/NDF: 18.4/23

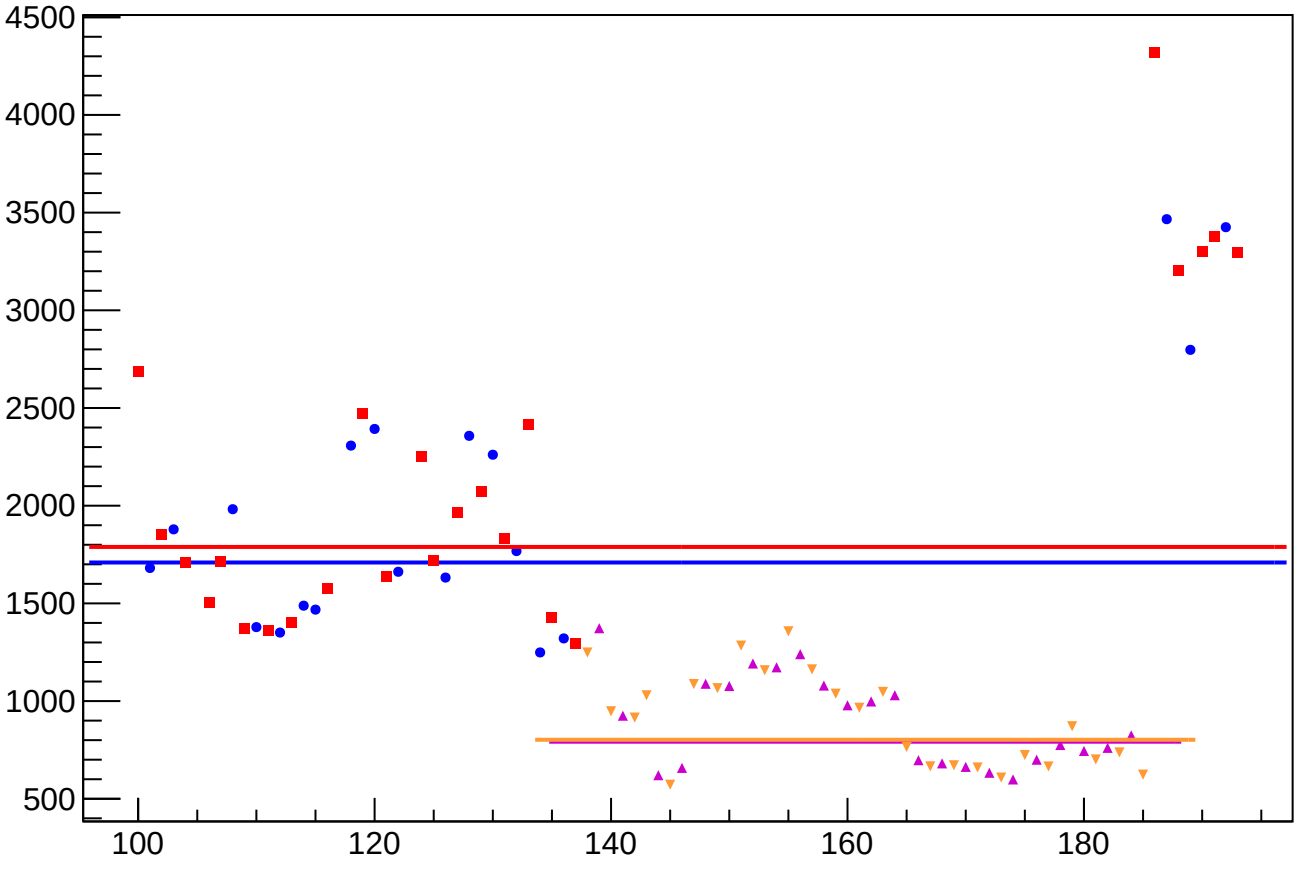
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 872.341+/-180.271 χ^2/NDF: 92.2/43

All: 534.096+/-128.162 χ^2/NDF: 149.4/90

- sign 188.417+/-182.241 χ^2/NDF: 50.1/46

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

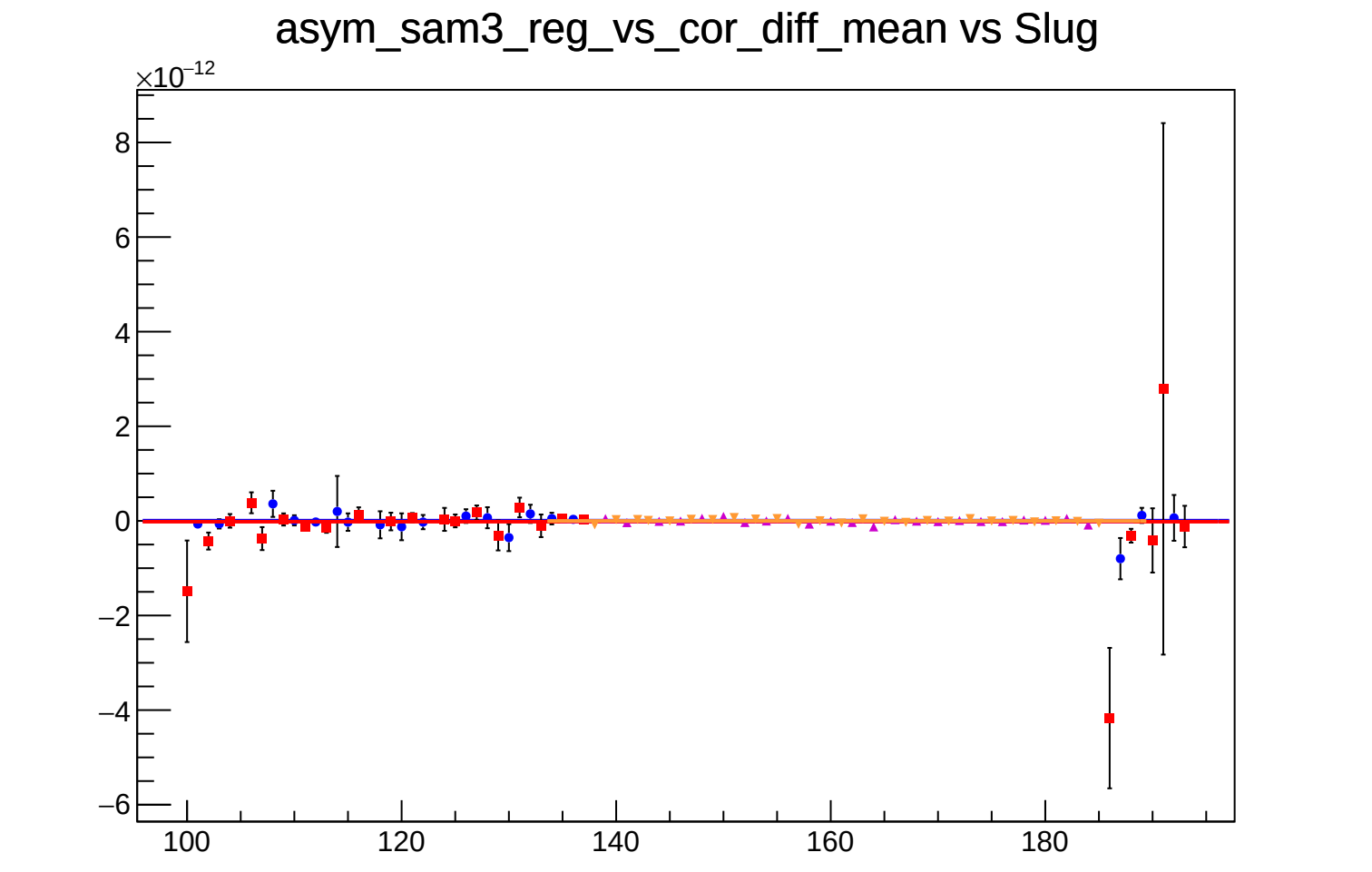
Right Out: 1788.945+/-0.417 χ^2/NDF: 1849165.4/23

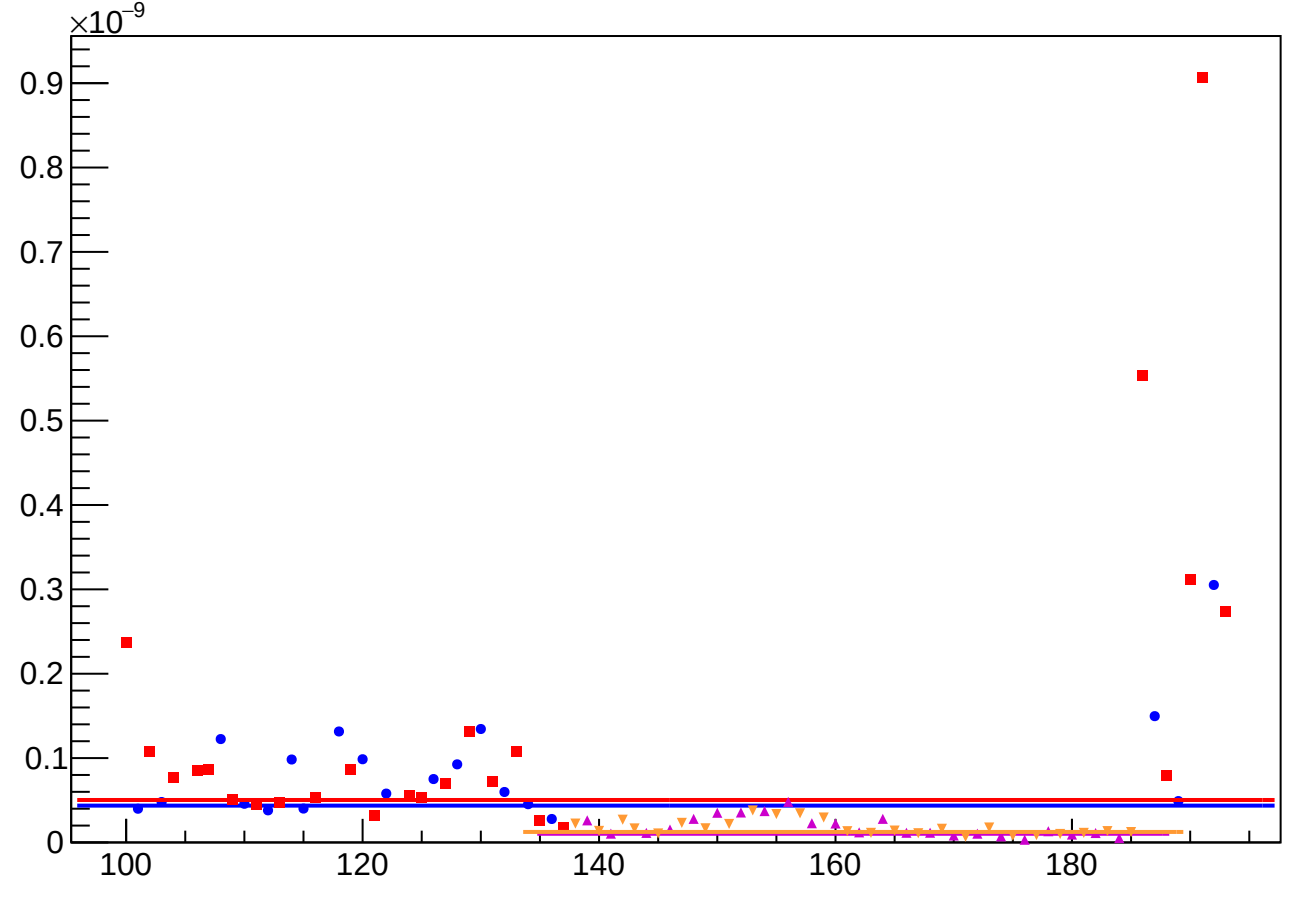
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

\+ sign 883.870+/-0.127 χ^2/NDF: 7961516.0/43

All: 885.436+/-0.091 χ^2/NDF: 17104931.9/90

\- sign 887.036+/-0.129 χ^2/NDF: 9143110.7/46


asym_sam3_reg_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 10.7/18
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 36.3/23
Left In: -0.000+/-0.000 χ²/NDF:31.5/22
+ sign -0.000+/-0.000 χ²/NDF: 34.8/43
All: -0.000+/-0.000 χ²/NDF: 103.3/90
- sign -0.000+/-0.000 χ²/NDF: 68.0/46



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: 2605677.7/23

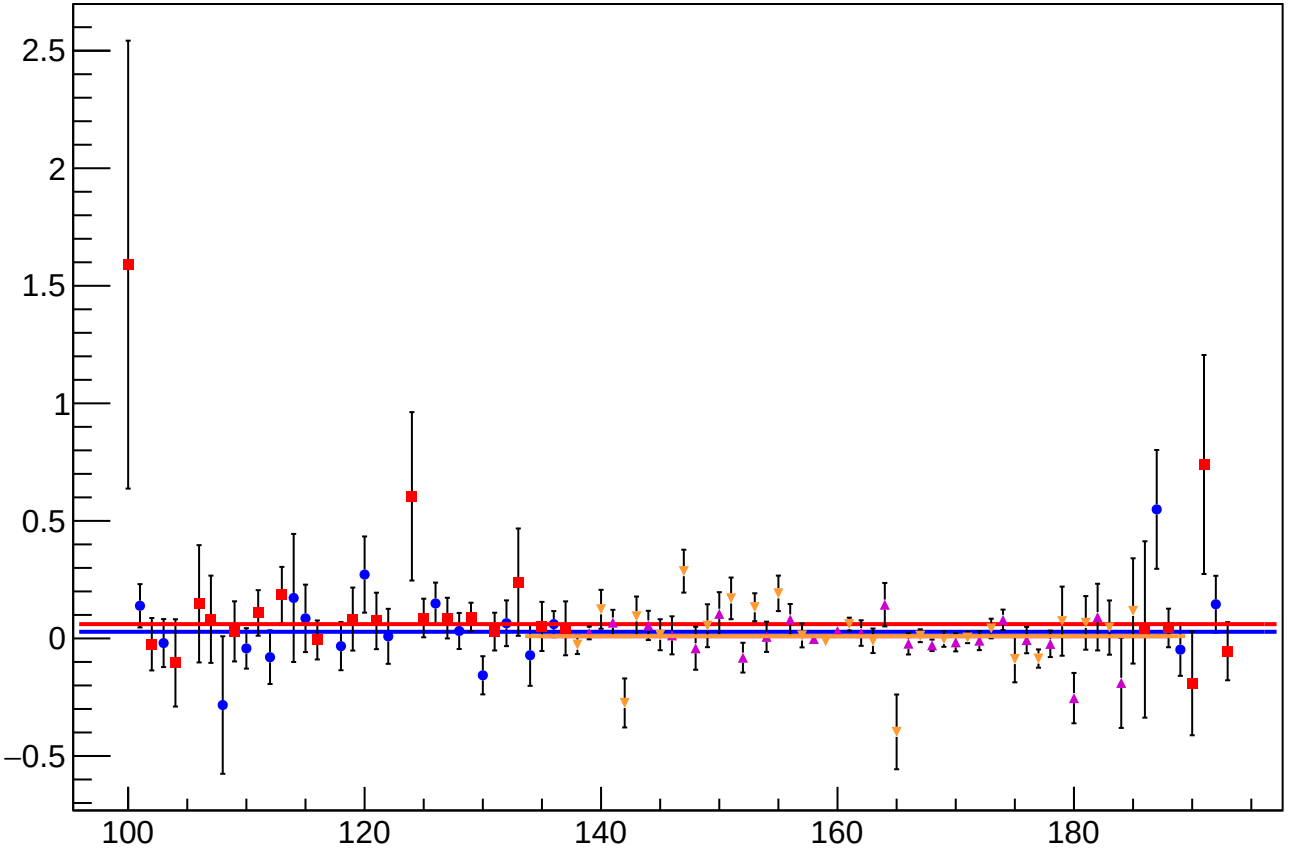
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6678470.6/43

All: 0.000+/-0.000 χ^2/NDF: 16727951.3/90

- sign 0.000+/-0.000 χ^2/NDF: 9850546.0/46

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: 0.061+/-0.023 χ^2/NDF: 14.0/23

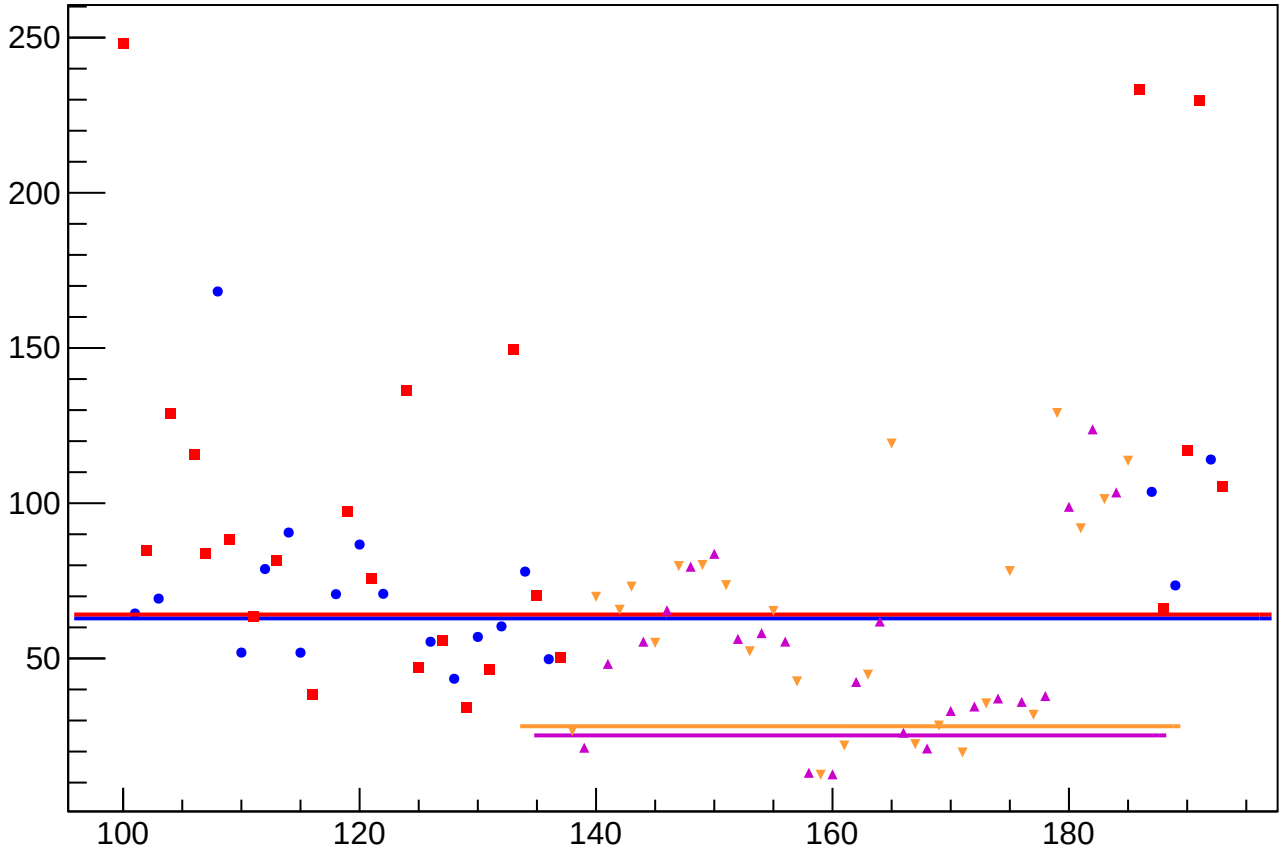
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.4/43

All: 0.013+/-0.005 χ^2/NDF: 120.0/90

- sign 0.015+/-0.008 χ^2/NDF: 43.5/46

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: 64.149+/-0.017 χ^2/NDF: 3022840.8/23

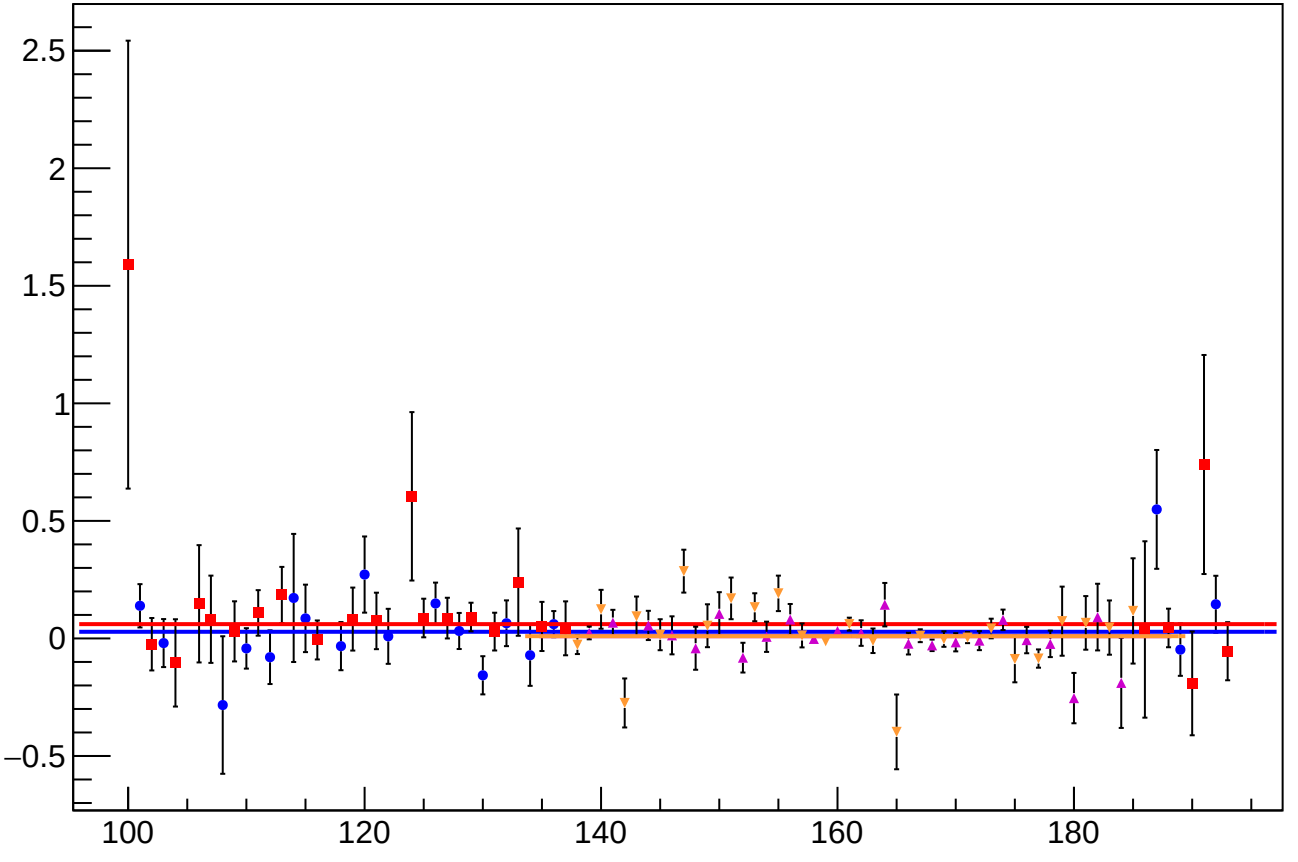
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 32.129+/-0.006 χ^2/NDF: 16092796.2/43

All: 30.570+/-0.004 χ^2/NDF: 34157608.5/90

- sign 29.182+/-0.005 χ^2/NDF: 17919774.8/46

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: 0.061+/-0.023 χ^2/NDF: 14.0/23

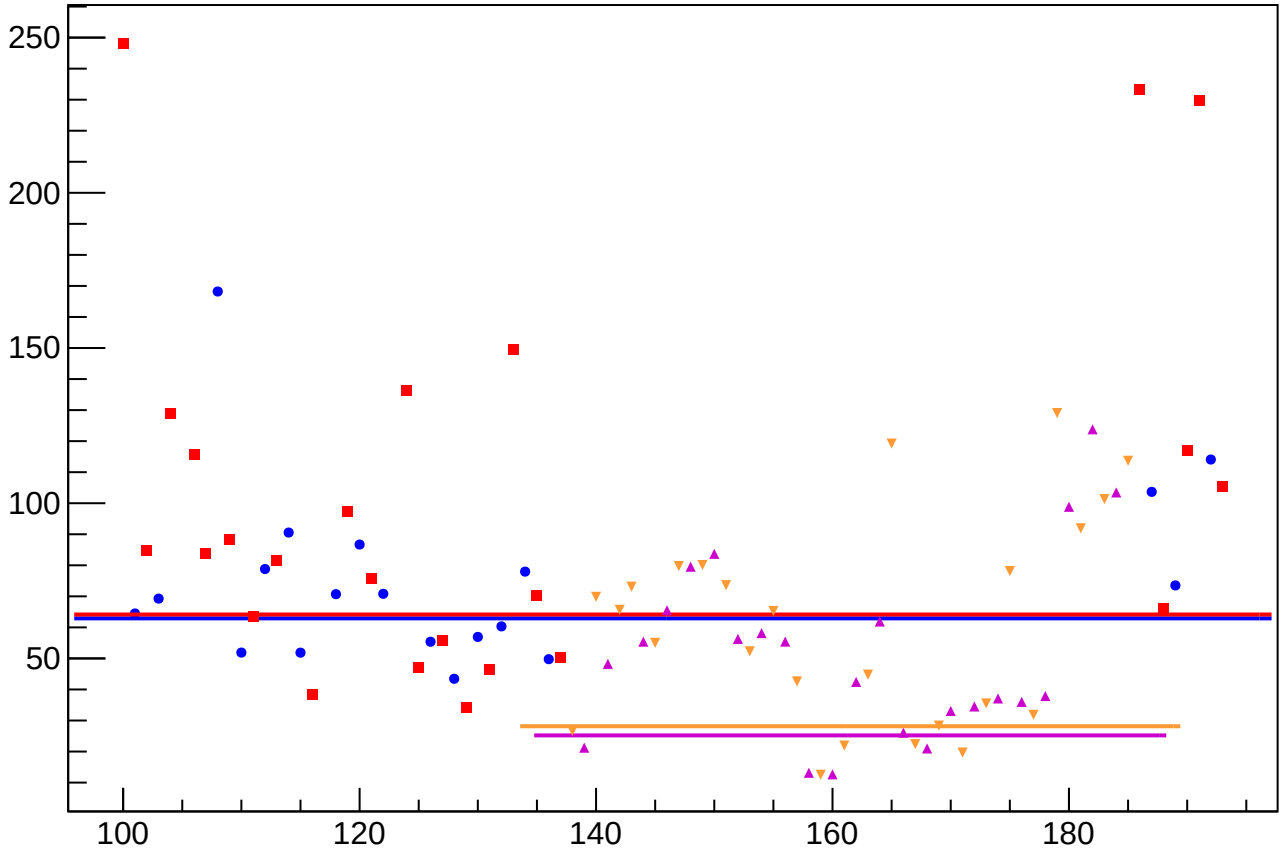
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.4/43

All: 0.013+/-0.005 χ^2/NDF: 120.0/90

- sign 0.015+/-0.008 χ^2/NDF: 43.5/46

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: 64.149+/-0.017 χ^2/NDF: 3022840.8/23

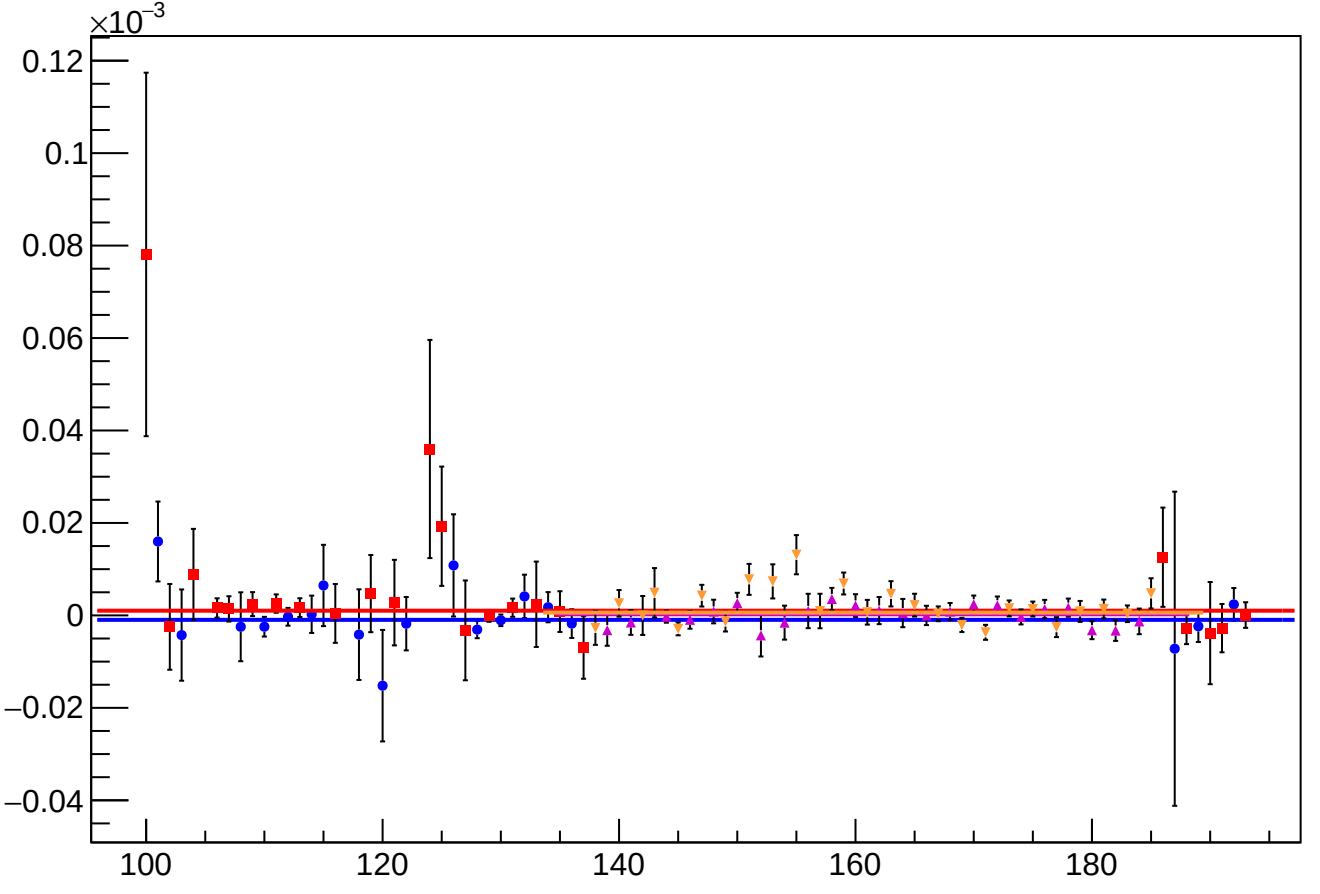
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 32.129+/-0.006 χ^2/NDF: 16092796.2/43

All: 30.570+/-0.004 χ^2/NDF: 34157608.5/90

- sign 29.182+/-0.005 χ^2/NDF: 17919774.8/46

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: 16.0/23

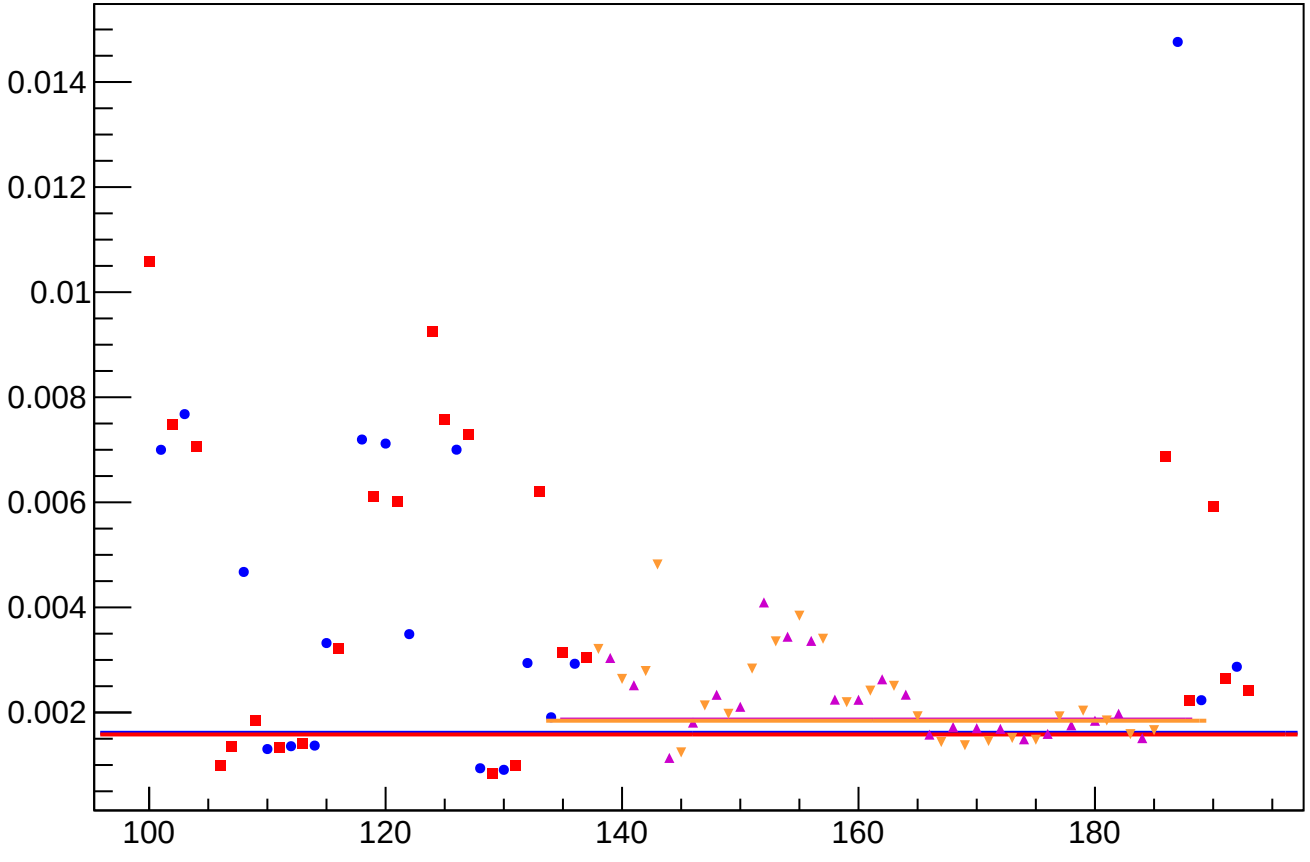
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.2/43

All: 0.000+/-0.000 χ^2/NDF: 102.0/90

- sign 0.000+/-0.000 χ^2/NDF: 33.4/46

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: 7007927.6/23

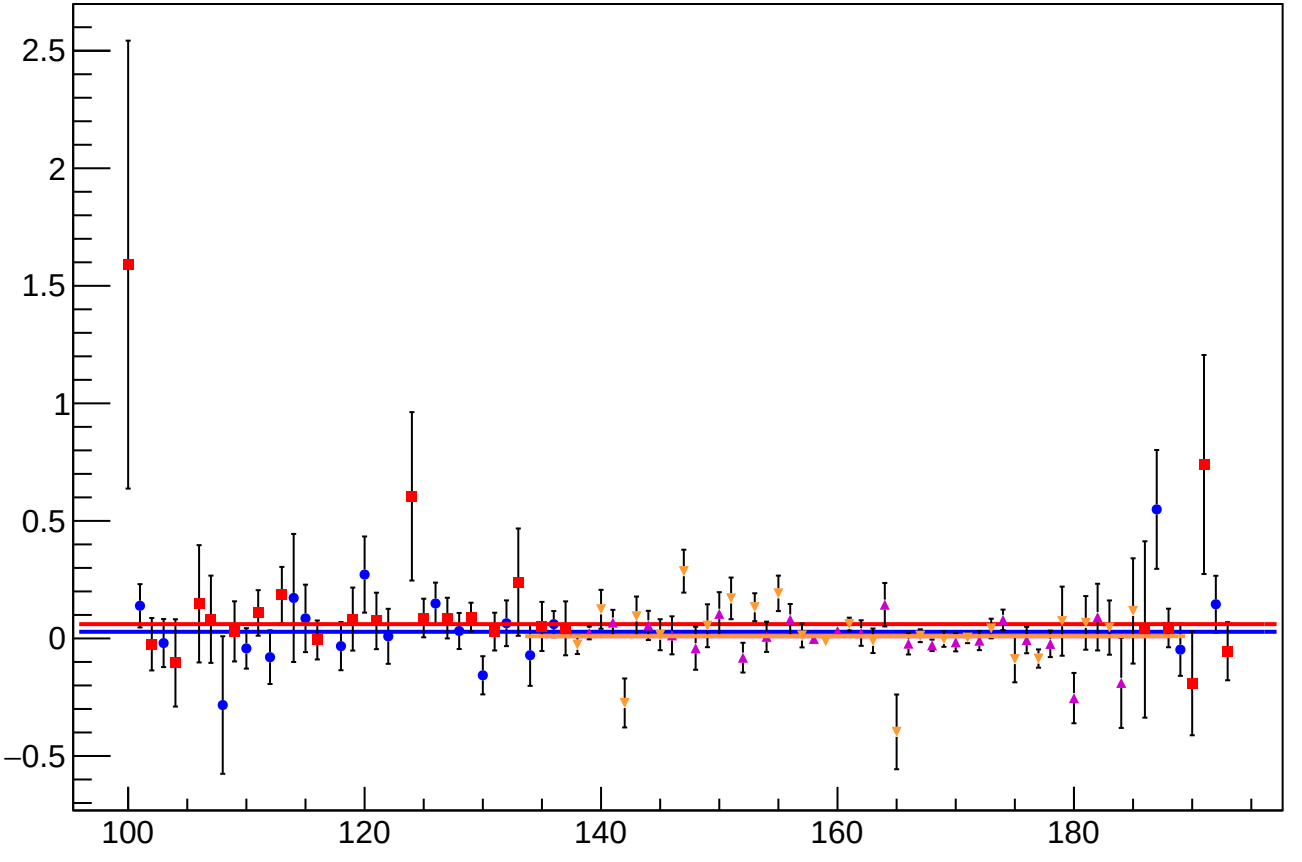
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 9765711.1/43

All: 0.002+/-0.000 χ^2/NDF: 19818592.2/90

- sign 0.002+/-0.000 χ^2/NDF: 10052616.3/46

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: 0.061+/-0.023 χ^2/NDF: 14.0/23

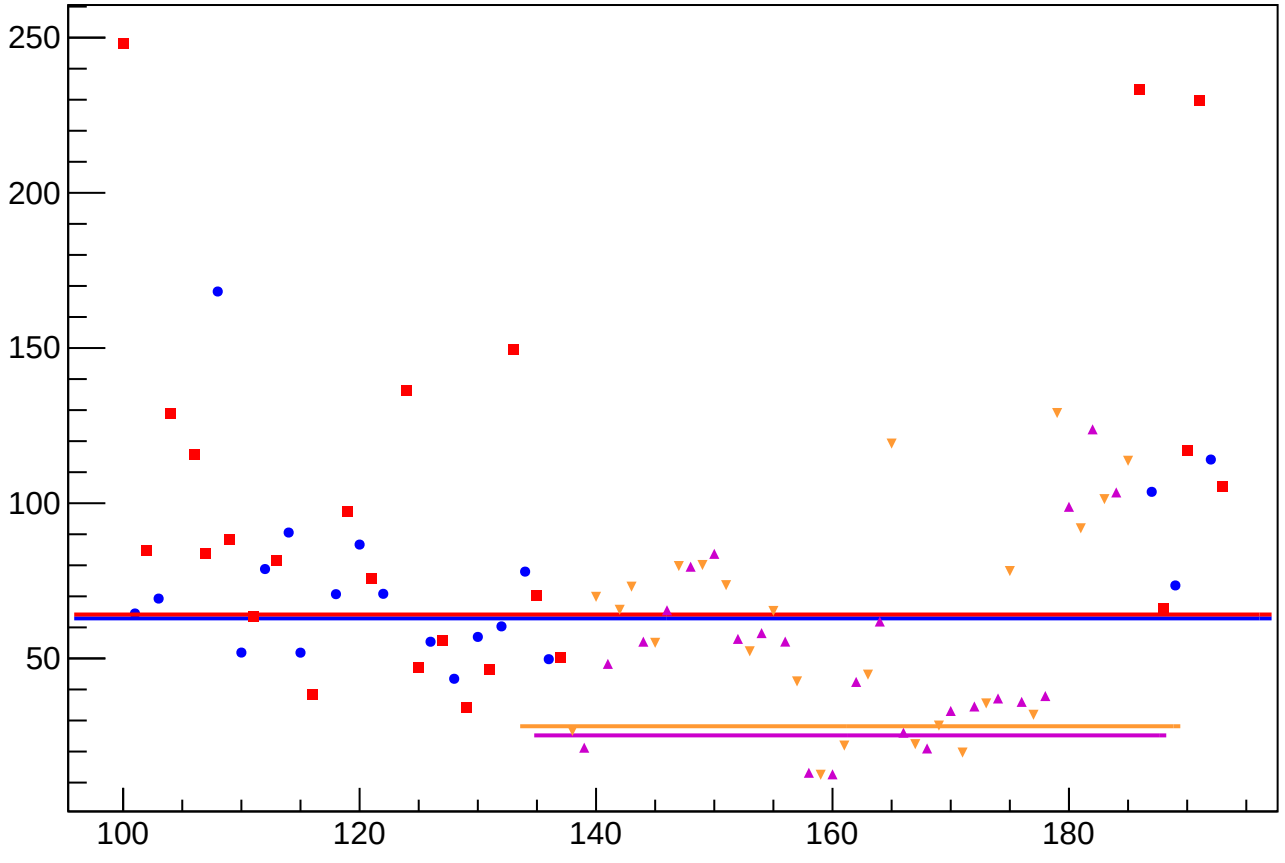
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.4/43

All: 0.013+/-0.005 χ^2/NDF: 120.0/90

- sign 0.015+/-0.008 χ^2/NDF: 43.5/46

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: 64.150+/-0.017 χ^2/NDF: 3022887.6/23

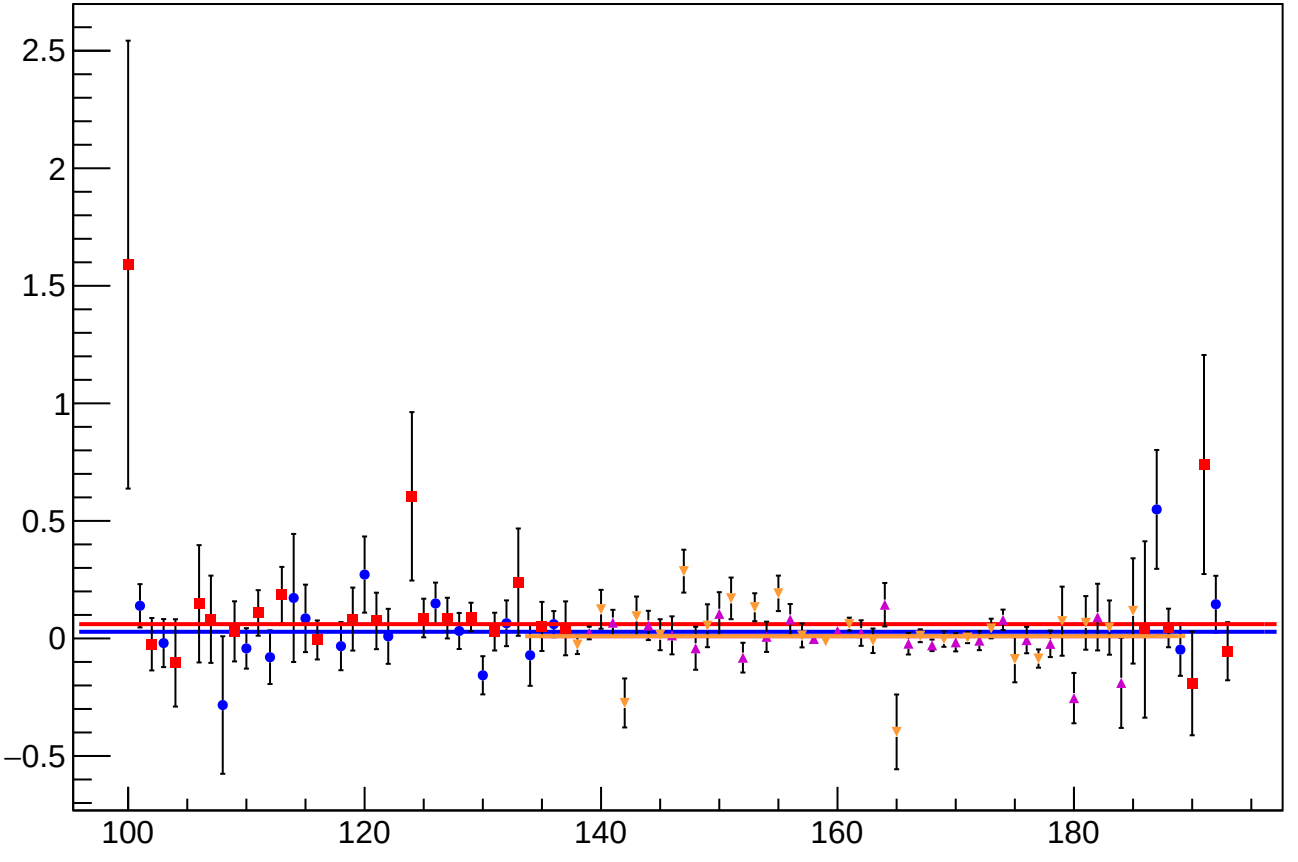
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 32.128+/-0.006 χ^2/NDF: 16094283.8/43

All: 30.569+/-0.004 χ^2/NDF: 34159783.7/90

- sign 29.182+/-0.005 χ^2/NDF: 17920542.9/46

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: 0.061+/-0.023 χ^2/NDF: 14.0/23

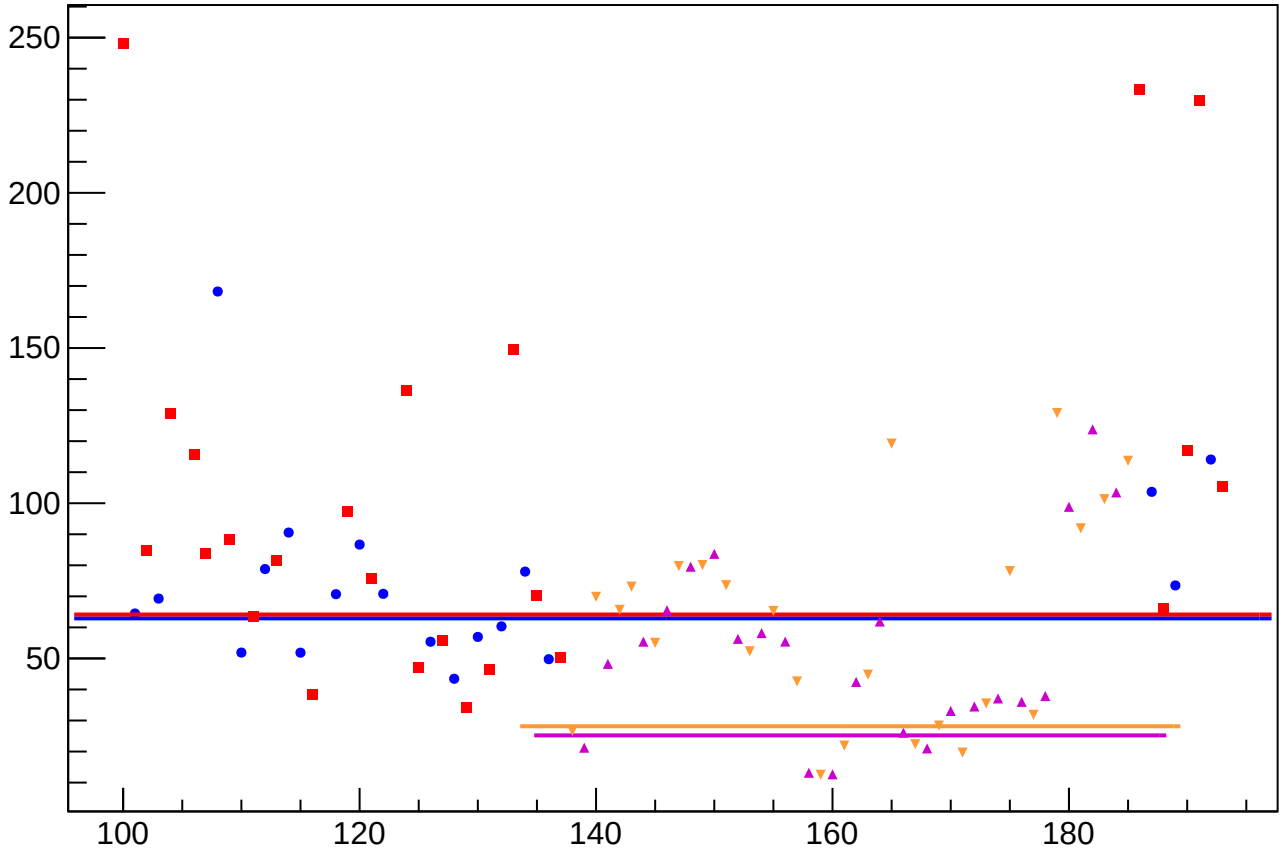
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.4/43

All: 0.013+/-0.005 χ^2/NDF: 120.0/90

- sign 0.015+/-0.008 χ^2/NDF: 43.5/46

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

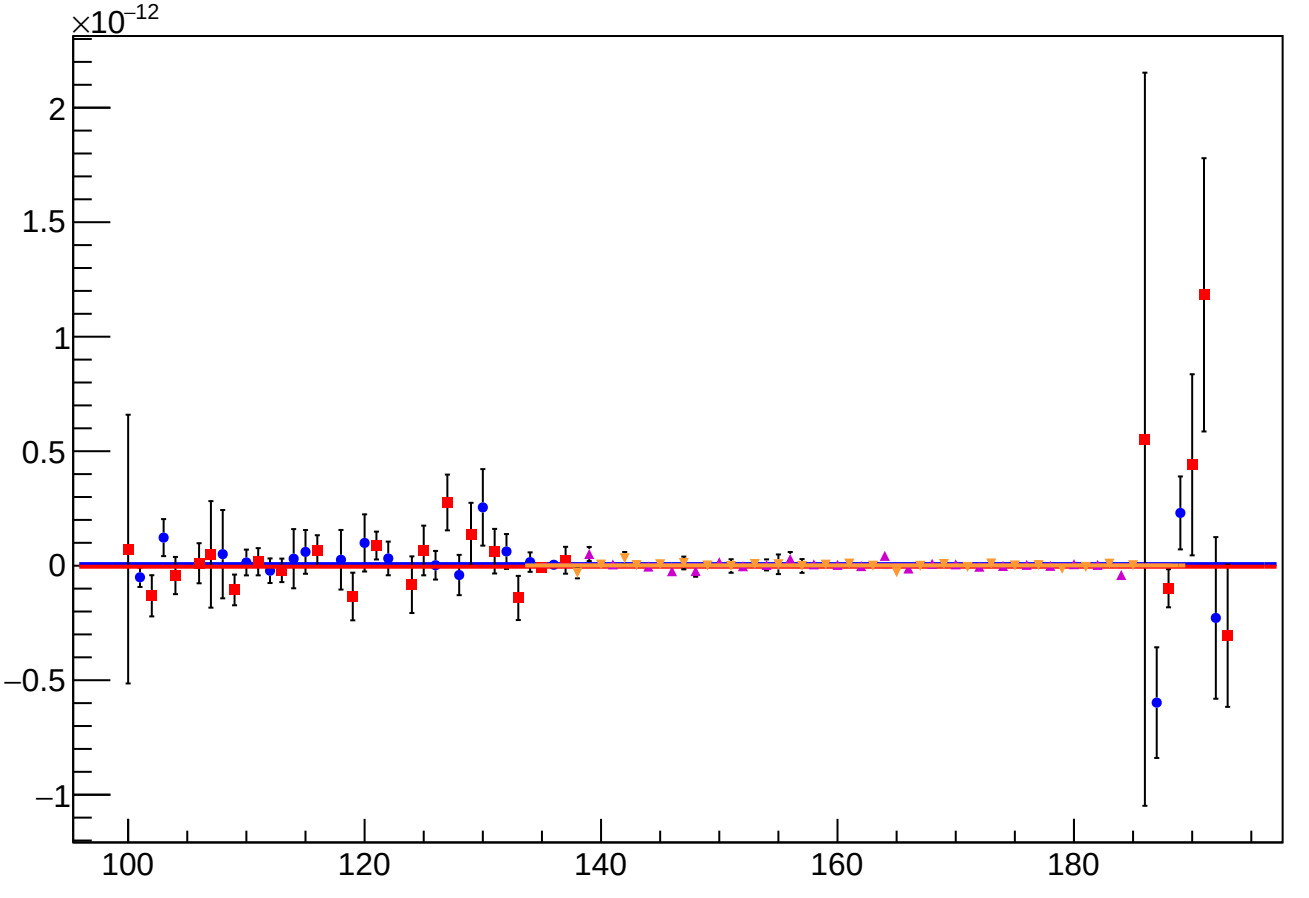
Right Out: 64.150+/-0.017 χ^2/NDF: 3022887.6/23

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 32.128+/-0.006 χ^2/NDF: 16094283.8/43

All: 30.569+/-0.004 χ^2/NDF: 34159783.7/90

- sign 29.182+/-0.005 χ^2/NDF: 17920542.9/46



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: 27.3/23

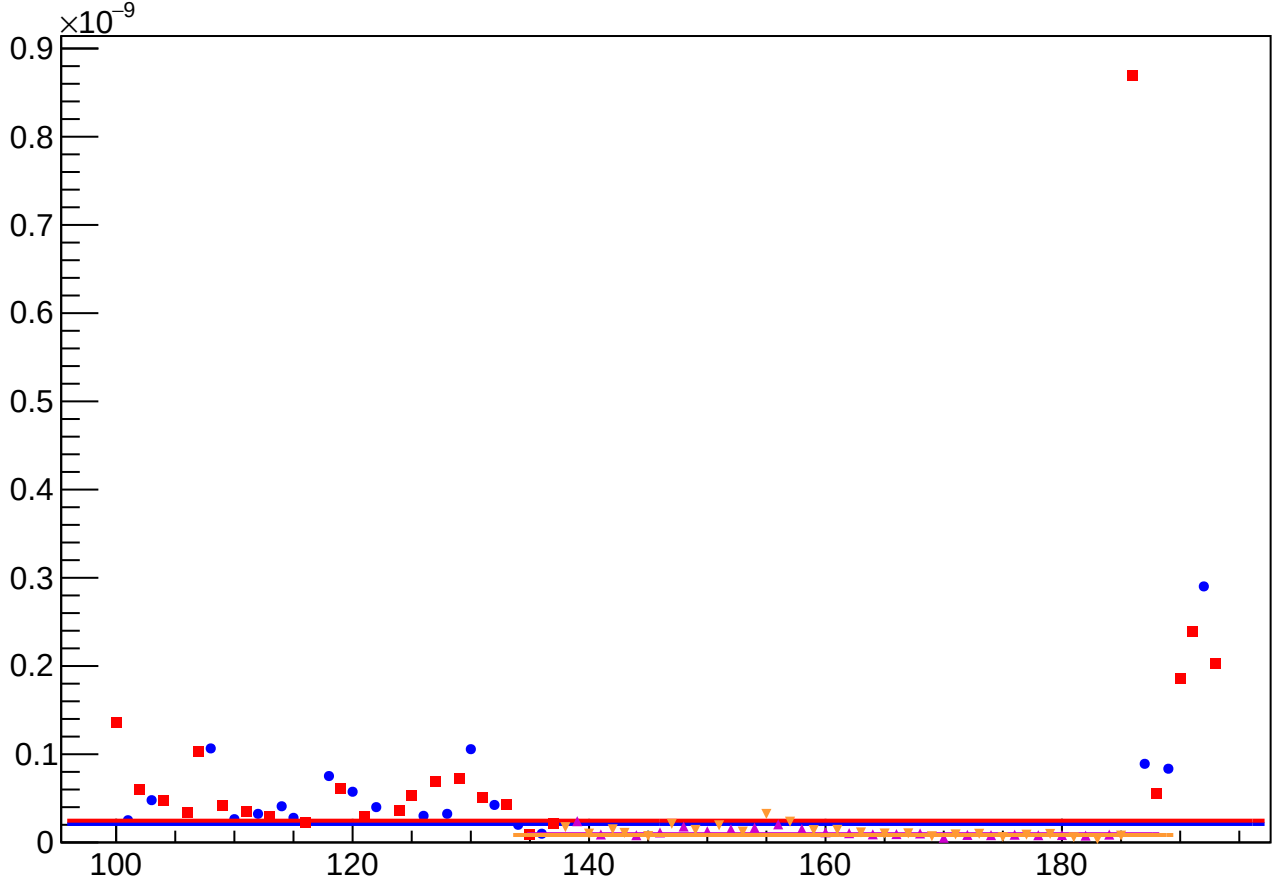
Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.5/43

All: 0.000+/-0.000 χ^2/NDF: 76.8/90

- sign 0.000+/-0.000 χ^2/NDF: 48.3/46

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: 5634699.1/23

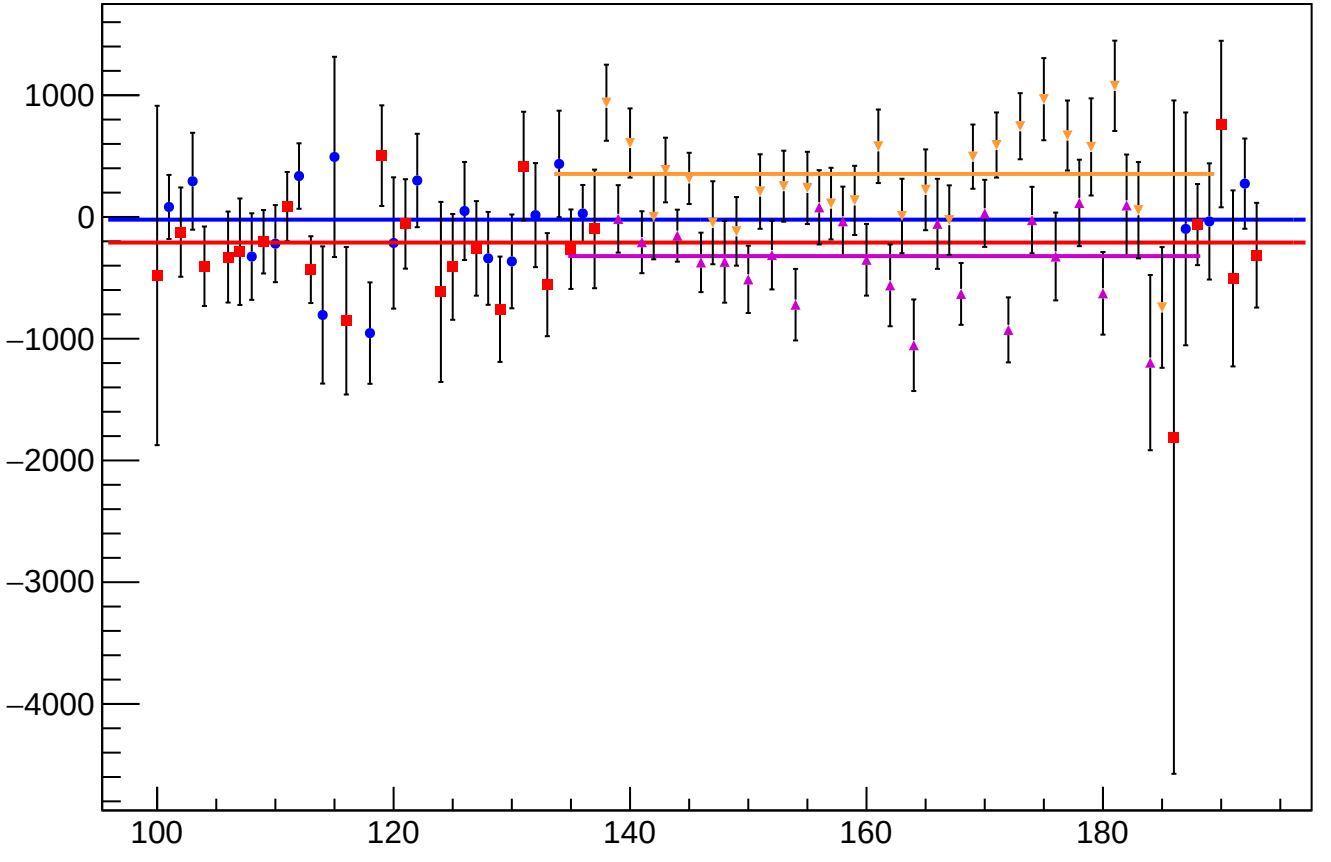
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11140179.3/43

All: 0.000+/-0.000 χ^2/NDF: 21570822.0/90

- sign 0.000+/-0.000 χ^2/NDF: 10293058.0/46

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: -210.117+/-82.198 χ^2/NDF: 14.2/23

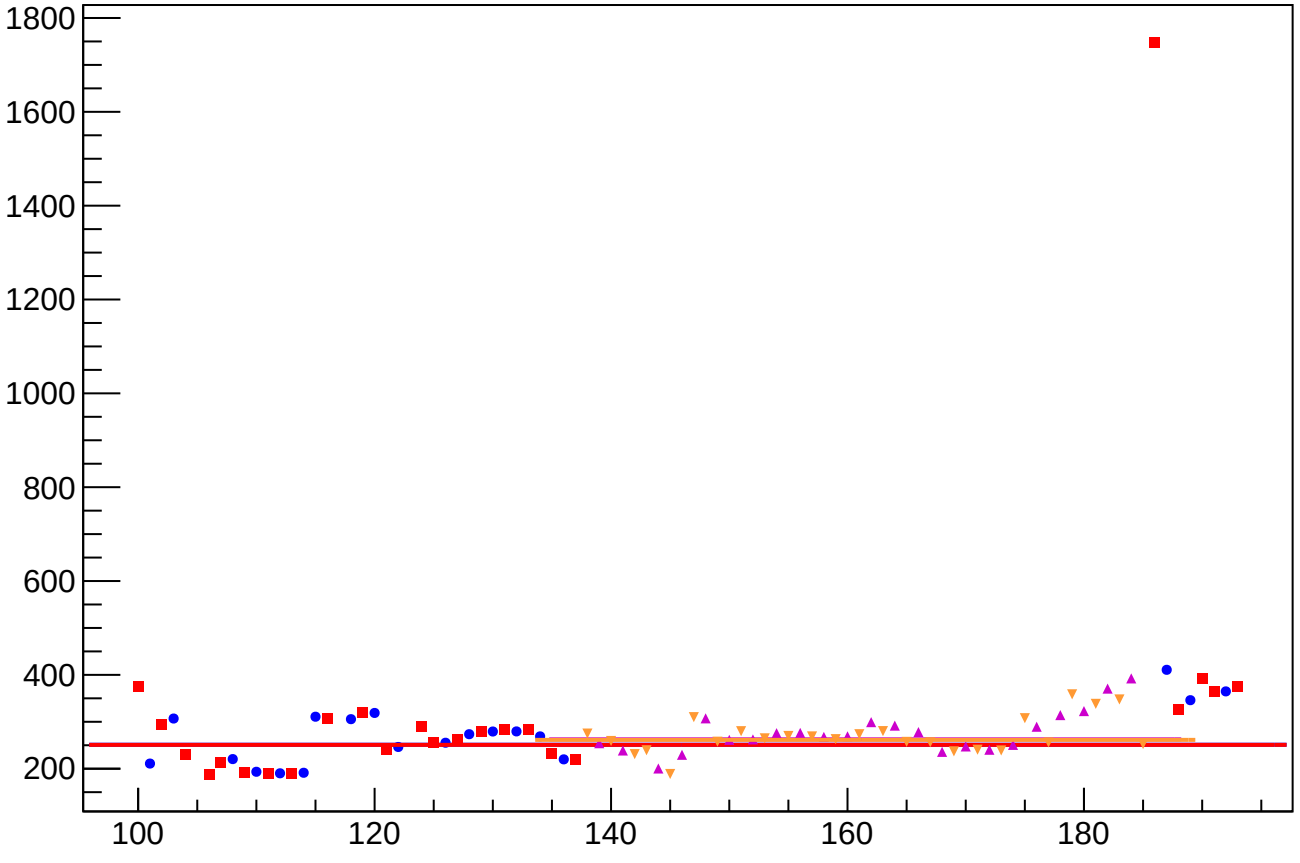
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 230.634+/-49.329 χ^2/NDF: 60.2/43

All: -24.023+/-34.961 χ^2/NDF: 155.4/90

- sign -281.022+/-49.556 χ^2/NDF: 41.6/46

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: 250.821+/-0.058 χ^2/NDF: 1538439.4/23

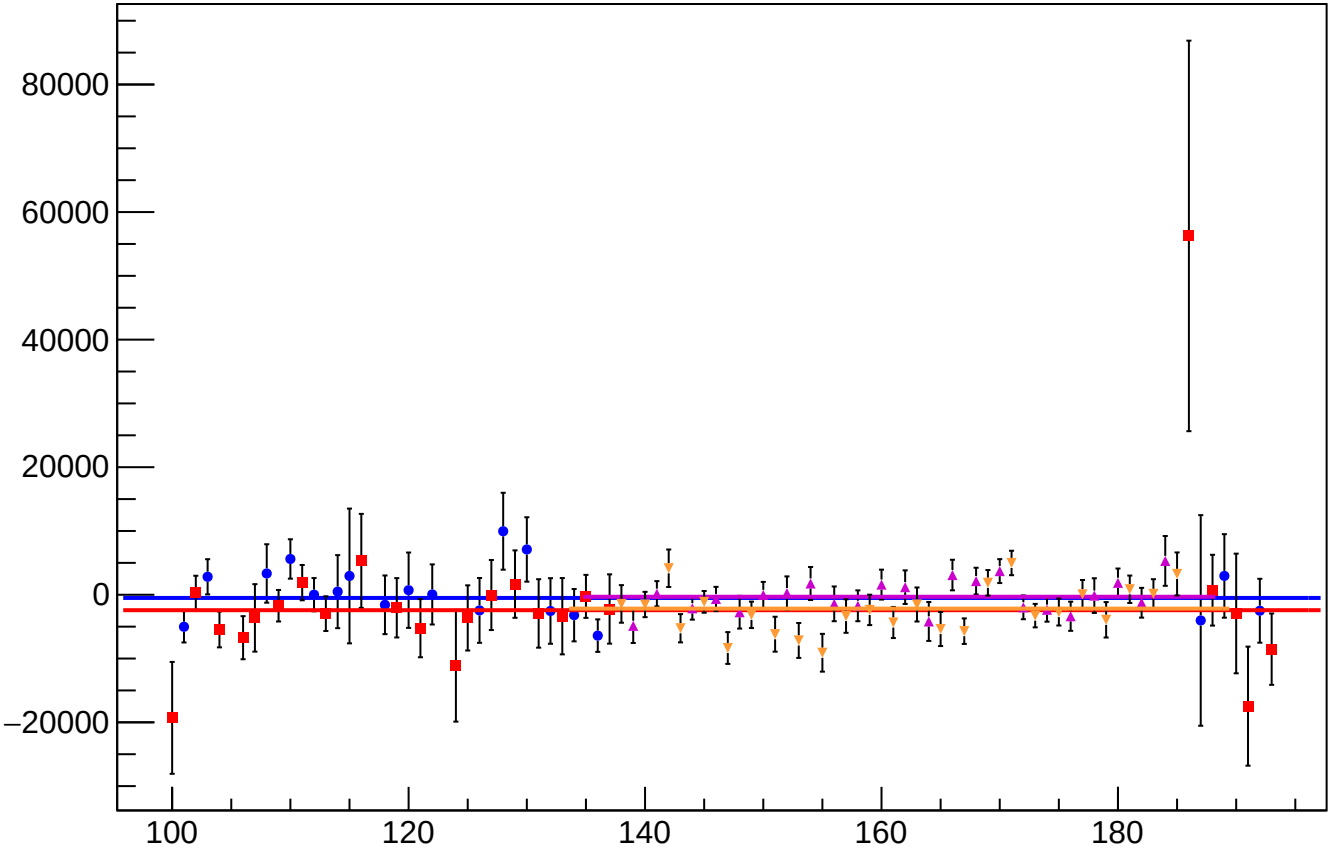
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 258.077+/-0.035 χ^2/NDF: 1492179.0/43

All: 258.202+/-0.025 χ^2/NDF: 3727504.0/90

- sign 258.329+/-0.035 χ^2/NDF: 2235298.9/46

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: -2419.382+/-864.166 χ^2/NDF: 21.7/23

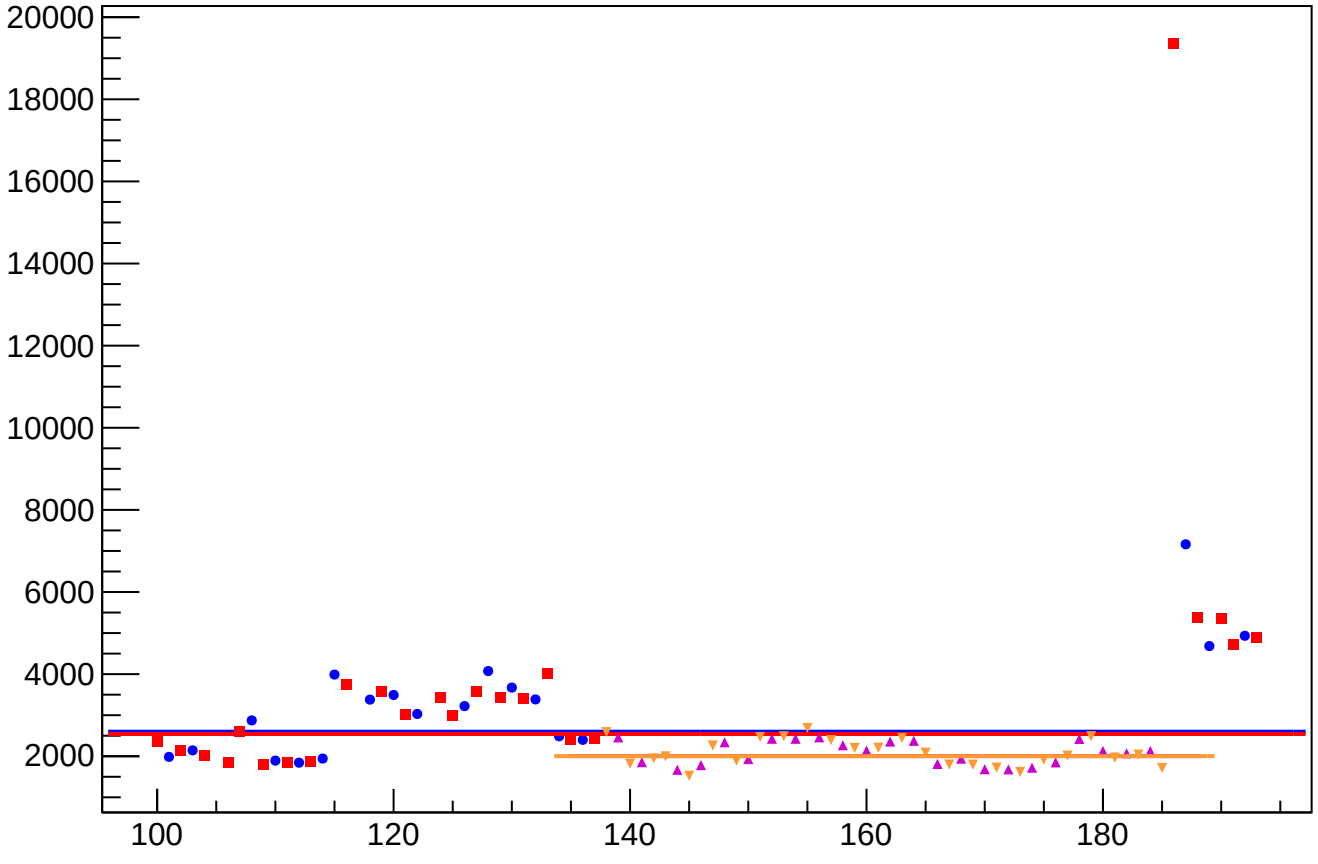
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1835.126+/-412.637 χ^2/NDF: 79.8/43

All: -1321.751+/-292.837 χ^2/NDF: 132.8/90

- sign -800.861+/-415.646 χ^2/NDF: 49.9/46

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: 2542.249+/-0.611 χ^2/NDF: 2916605.9/23

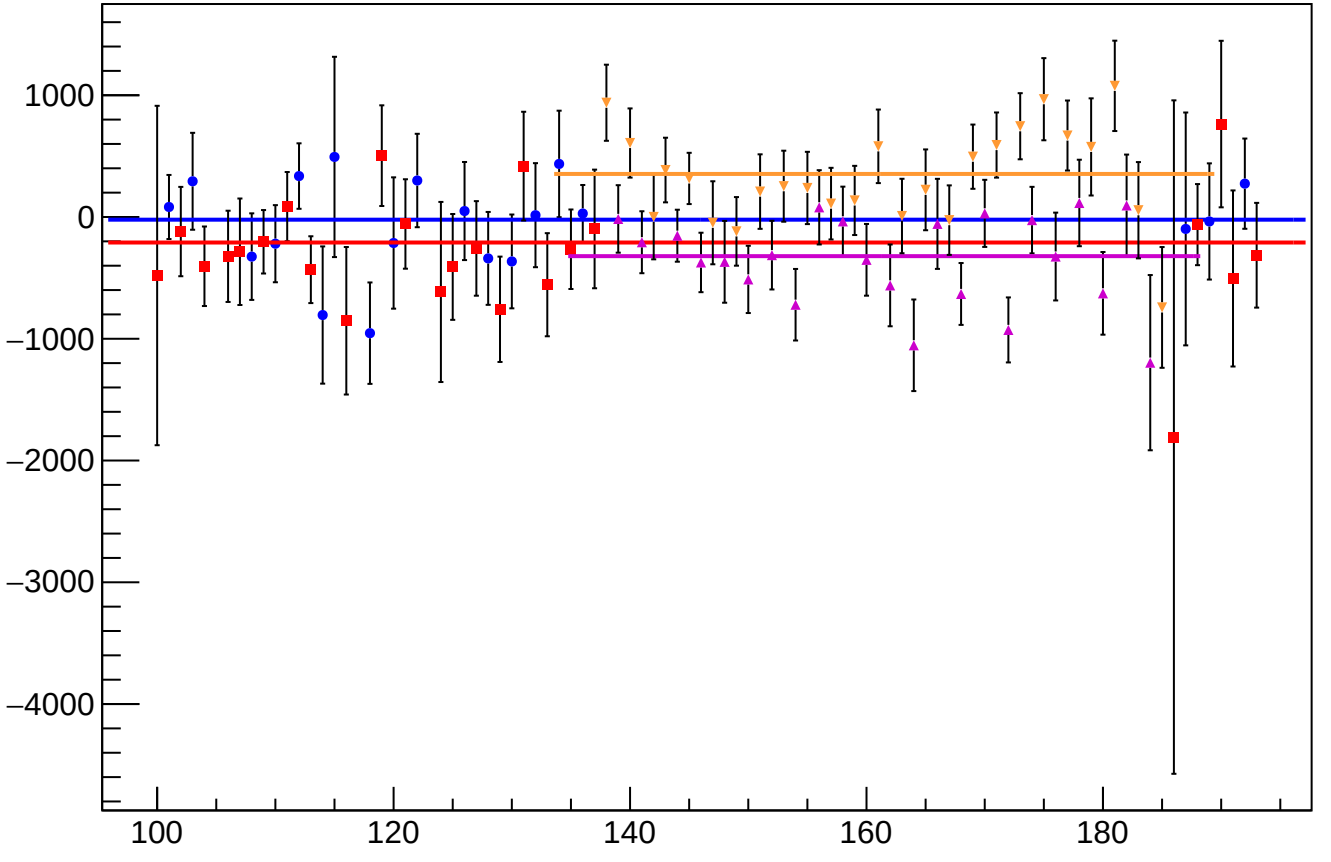
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2121.902+/-0.292 χ^2/NDF: 3291818.2/43

All: 2125.279+/-0.207 χ^2/NDF: 7509470.2/90

- sign 2128.707+/-0.294 χ^2/NDF: 4217382.0/46

cor_asym_sam4_mean vs Slug



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: -209.541+/-82.209 χ^2/NDF: 14.2/23

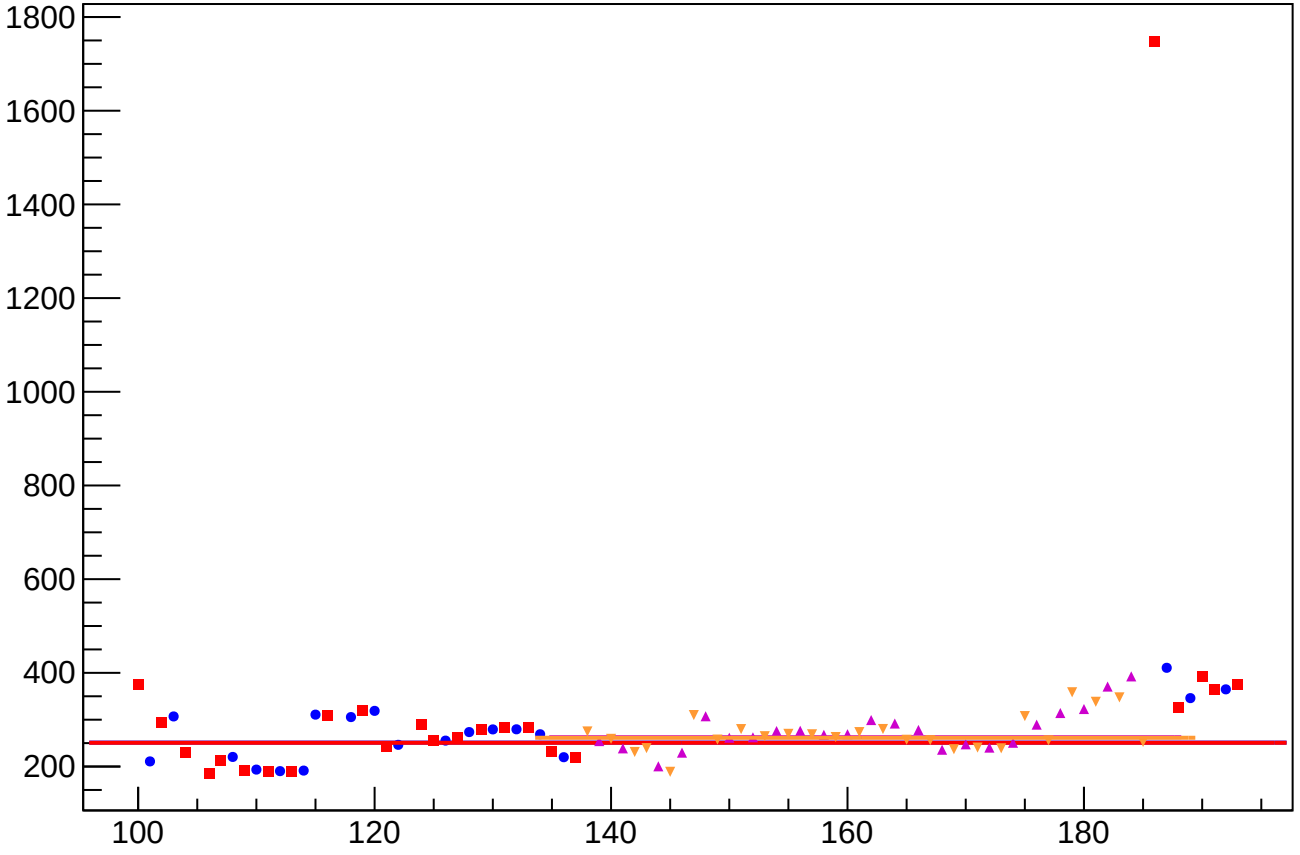
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 230.644+/-49.329 χ^2/NDF: 60.3/43

All: -23.907+/-34.962 χ^2/NDF: 155.4/90

- sign -280.823+/-49.558 χ^2/NDF: 41.6/46

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: 250.719+/-0.058 χ^2/NDF: 1542948.3/23

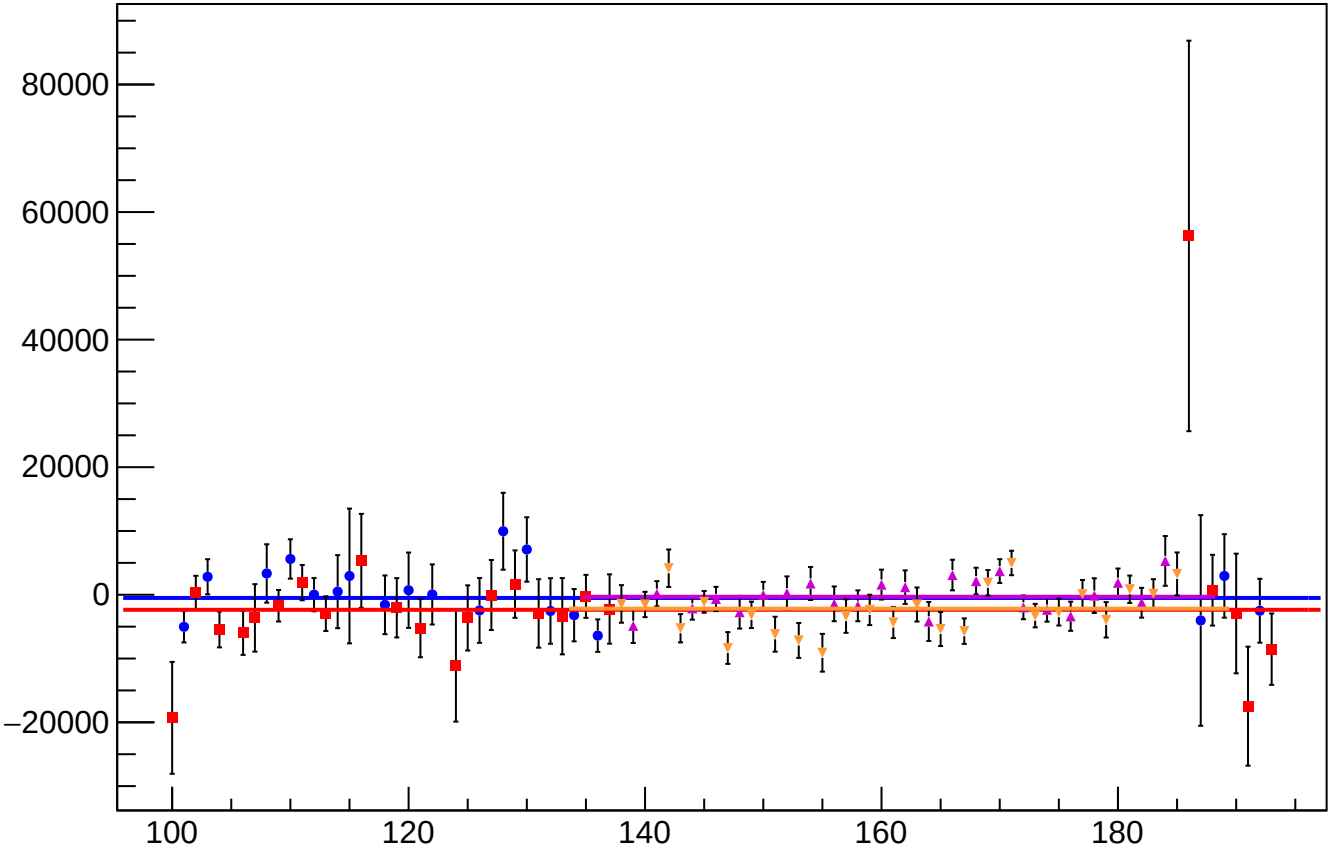
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 258.077+/-0.035 χ^2/NDF: 1492180.9/43

All: 258.184+/-0.025 χ^2/NDF: 3732458.8/90

- sign 258.293+/-0.035 χ^2/NDF: 2240258.9/46

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: -2357.348+/-865.692 χ^2/NDF: 21.1/23

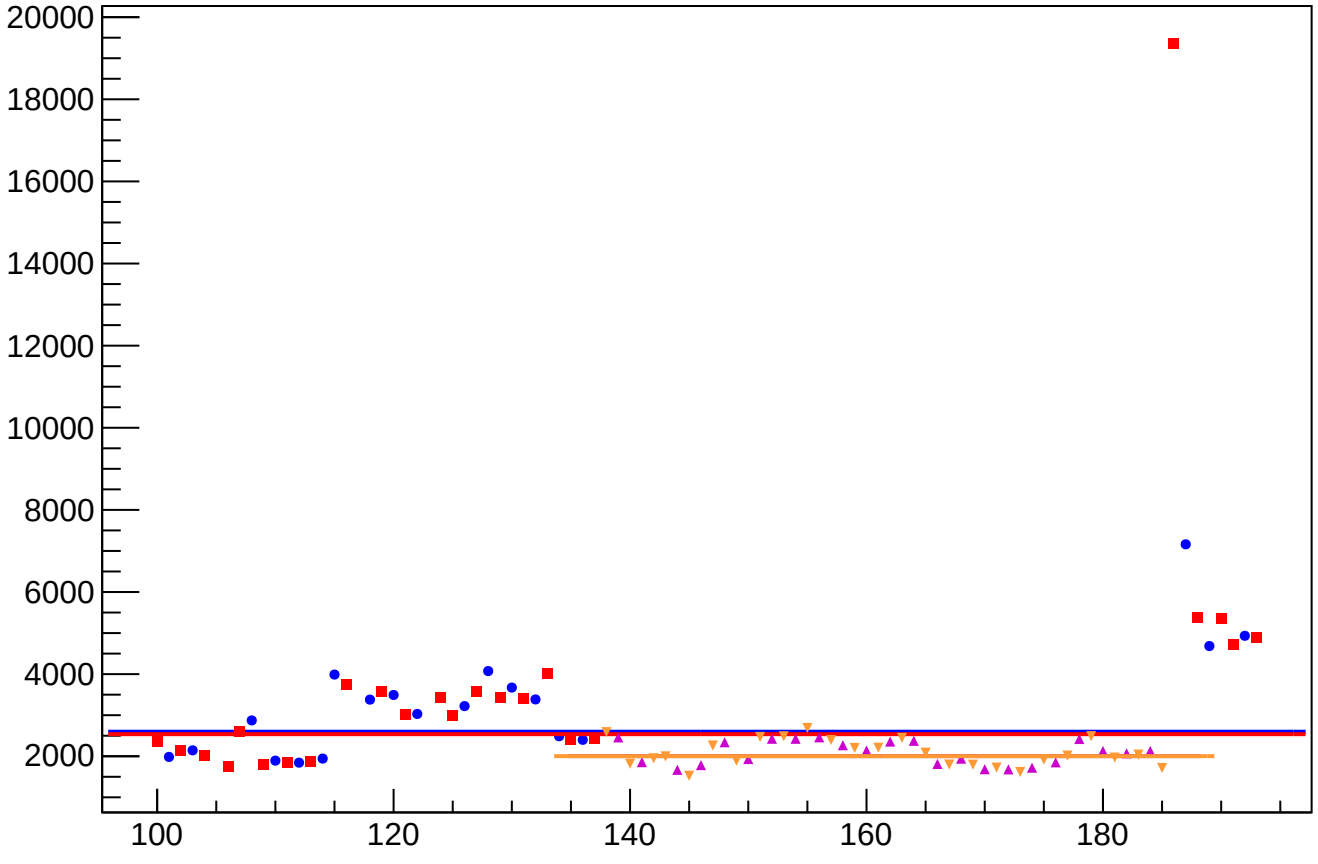
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1835.139+/-412.638 χ^2/NDF: 79.8/43

All: -1314.213+/-292.896 χ^2/NDF: 132.0/90

- sign -785.233+/-415.816 χ^2/NDF: 49.1/46

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

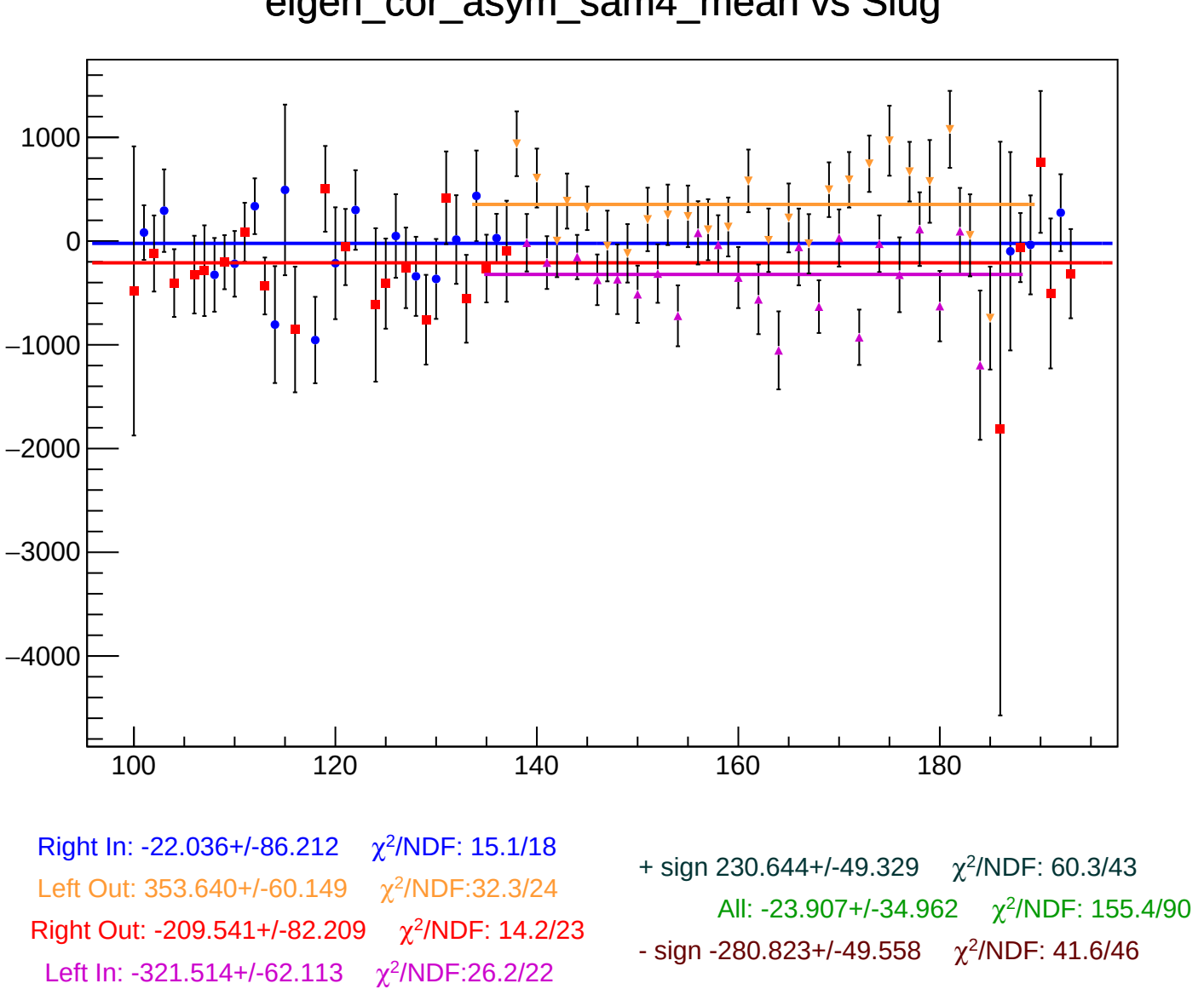
Right Out: 2537.807+/-0.612 χ^2/NDF: 2939544.3/23

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

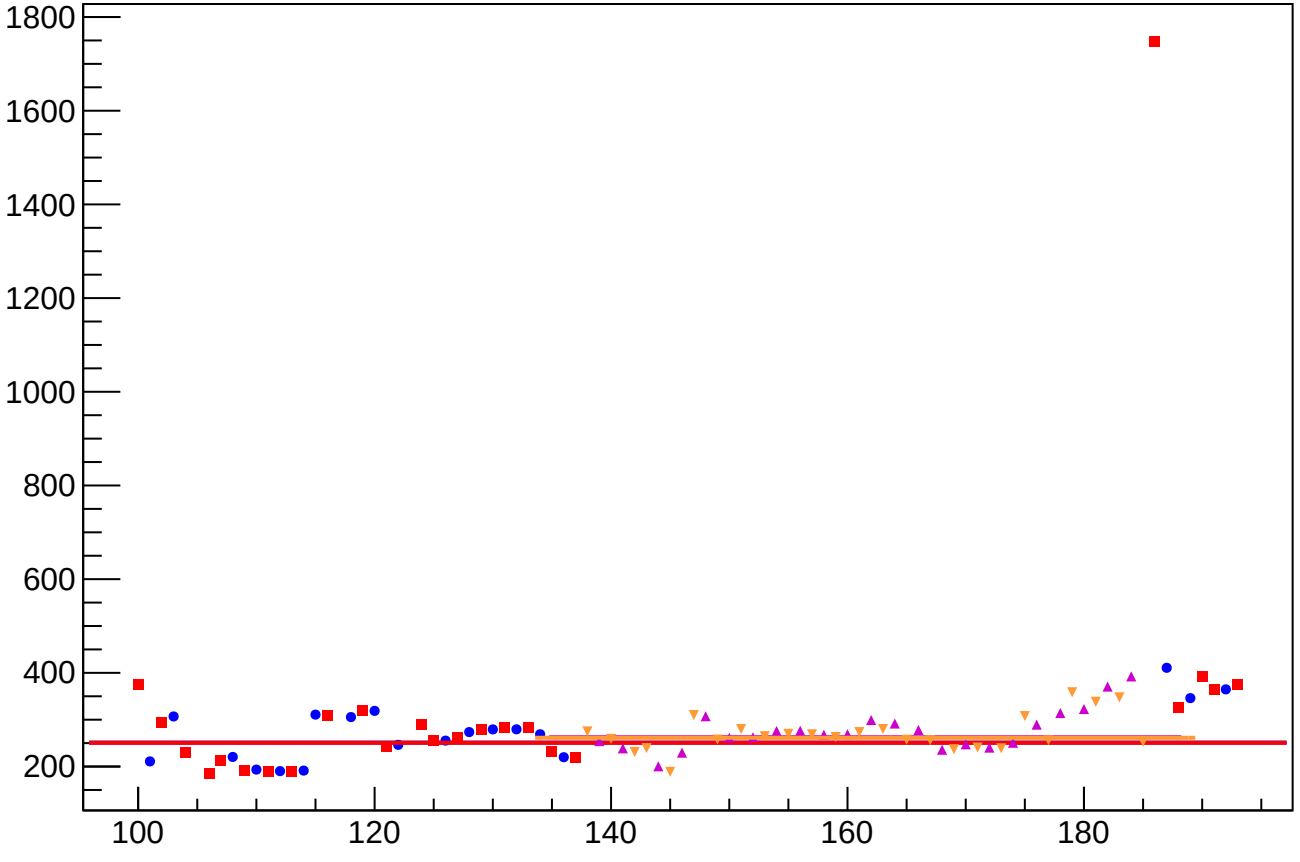
+ sign 2121.905+/-0.292 χ^2/NDF: 3291819.0/43

All: 2124.604+/-0.207 χ^2/NDF: 7520924.3/90

- sign 2127.345+/-0.294 χ^2/NDF: 4228932.8/46


eigen_cor_asym_sam4_mean vs Slug
1000
0
−1000
−2000
−3000
−4000
100
120
140
160
180
Right In: -22.036+/-86.212 χ²/NDF: 15.1/18
Left Out: 353.640+/-60.149 χ²/NDF:32.3/24
Right Out: -209.541+/-82.209 χ²/NDF: 14.2/23
Left In: -321.514+/-62.113 χ²/NDF:26.2/22
+ sign 230.644+/-49.329 χ²/NDF: 60.3/43
All: -23.907+/-34.962 χ²/NDF: 155.4/90
- sign -280.823+/-49.558 χ²/NDF: 41.6/46

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: 250.719+/-0.058 χ^2/NDF: 1542948.3/23

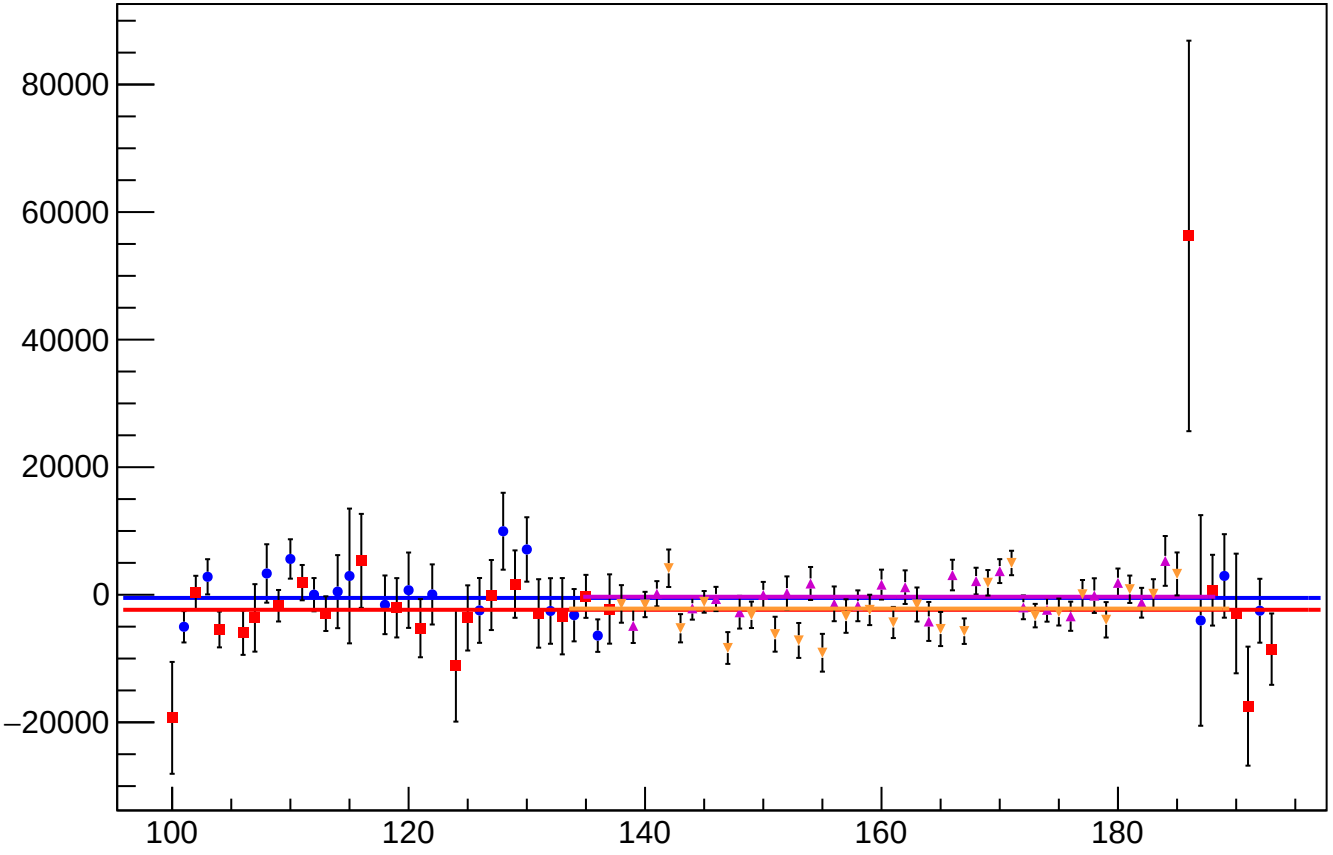
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 258.077+/-0.035 χ^2/NDF: 1492180.9/43

All: 258.184+/-0.025 χ^2/NDF: 3732458.8/90

- sign 258.293+/-0.035 χ^2/NDF: 2240258.9/46

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: -2357.348+/-865.692 χ^2/NDF: 21.1/23

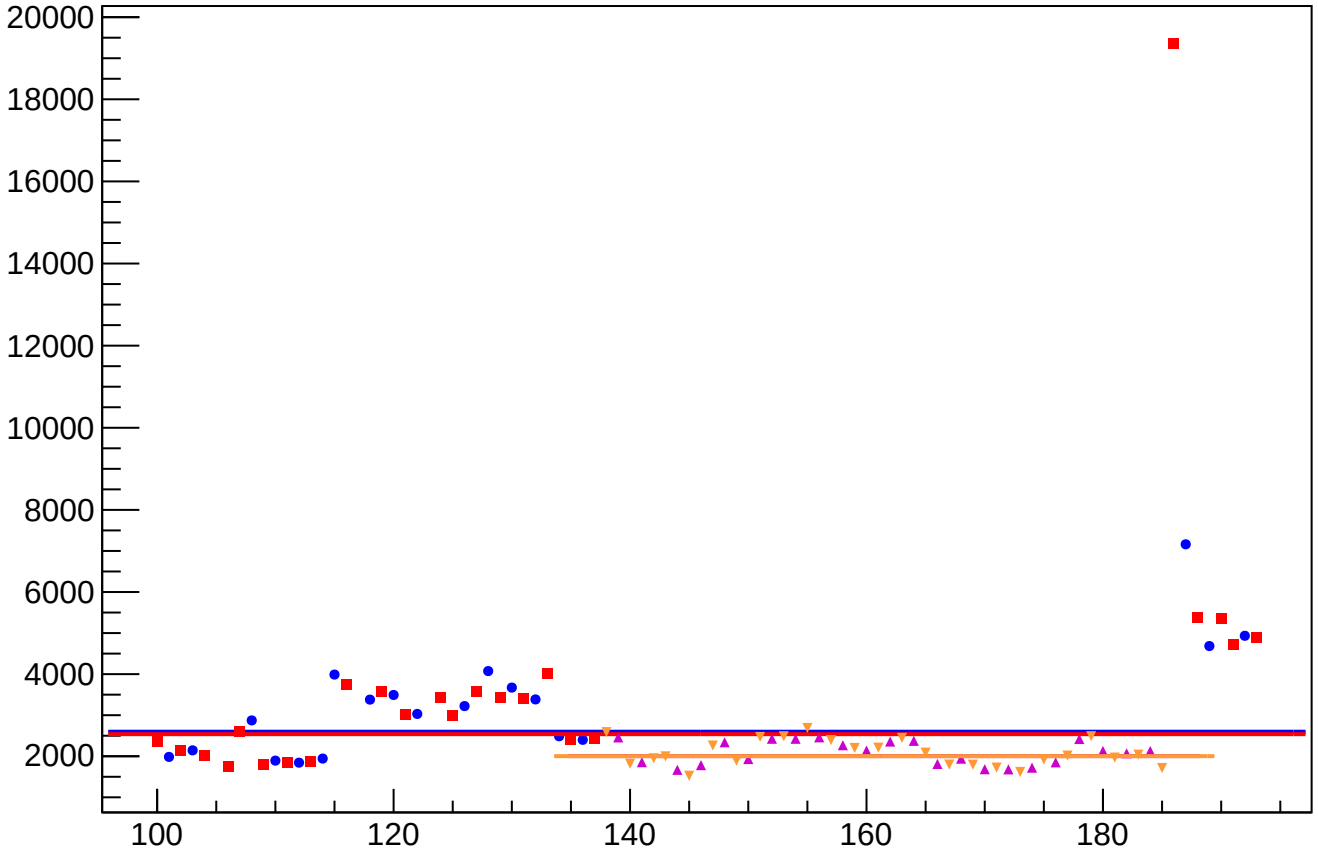
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1835.139+/-412.638 χ^2/NDF: 79.8/43

All: -1314.213+/-292.896 χ^2/NDF: 132.0/90

- sign -785.233+/-415.816 χ^2/NDF: 49.1/46

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: 2537.807+/-0.612 χ^2/NDF: 2939544.3/23

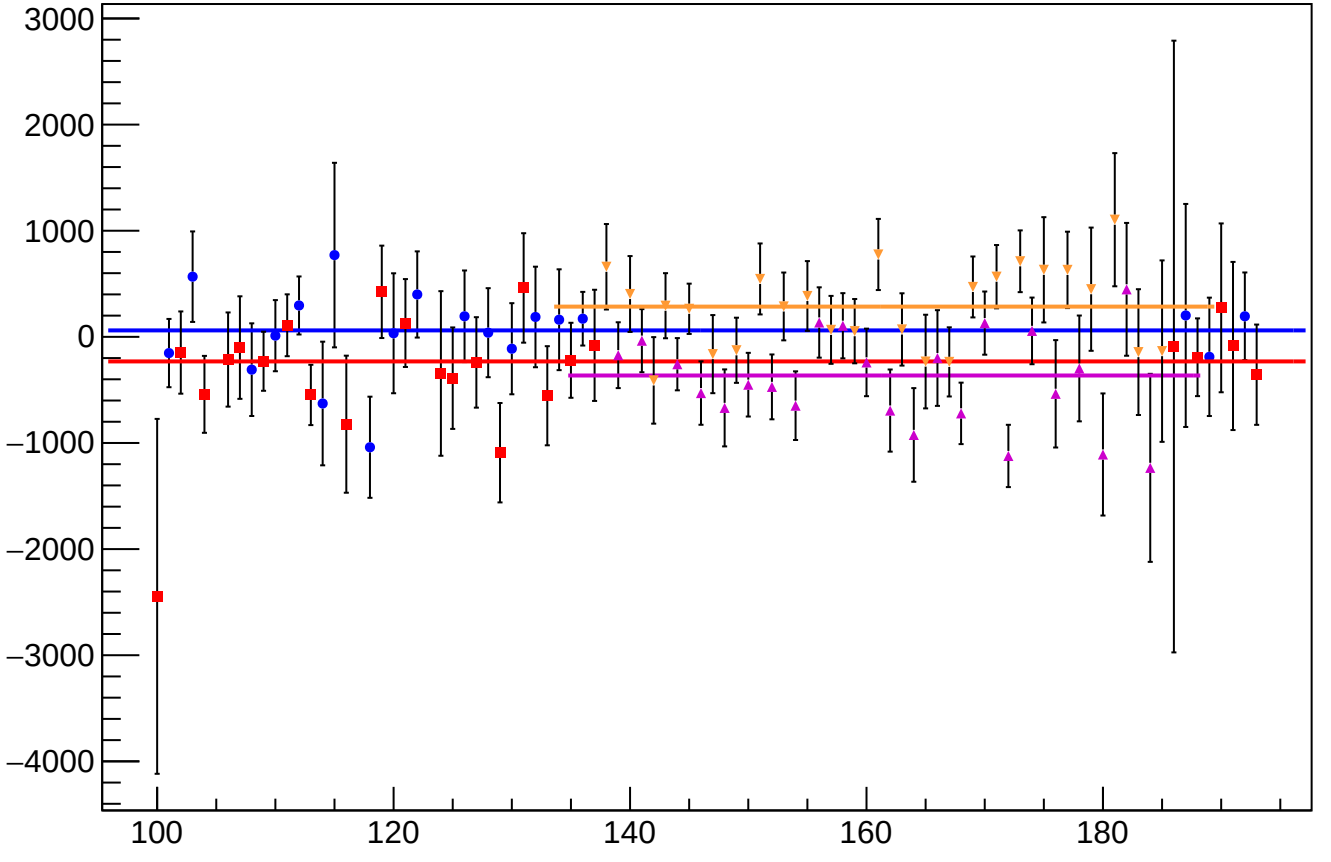
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2121.905+/-0.292 χ^2/NDF: 3291819.0/43

All: 2124.604+/-0.207 χ^2/NDF: 7520924.3/90

- sign 2127.345+/-0.294 χ^2/NDF: 4228932.8/46

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: -231.484+/-89.128 χ^2/NDF: 15.5/23

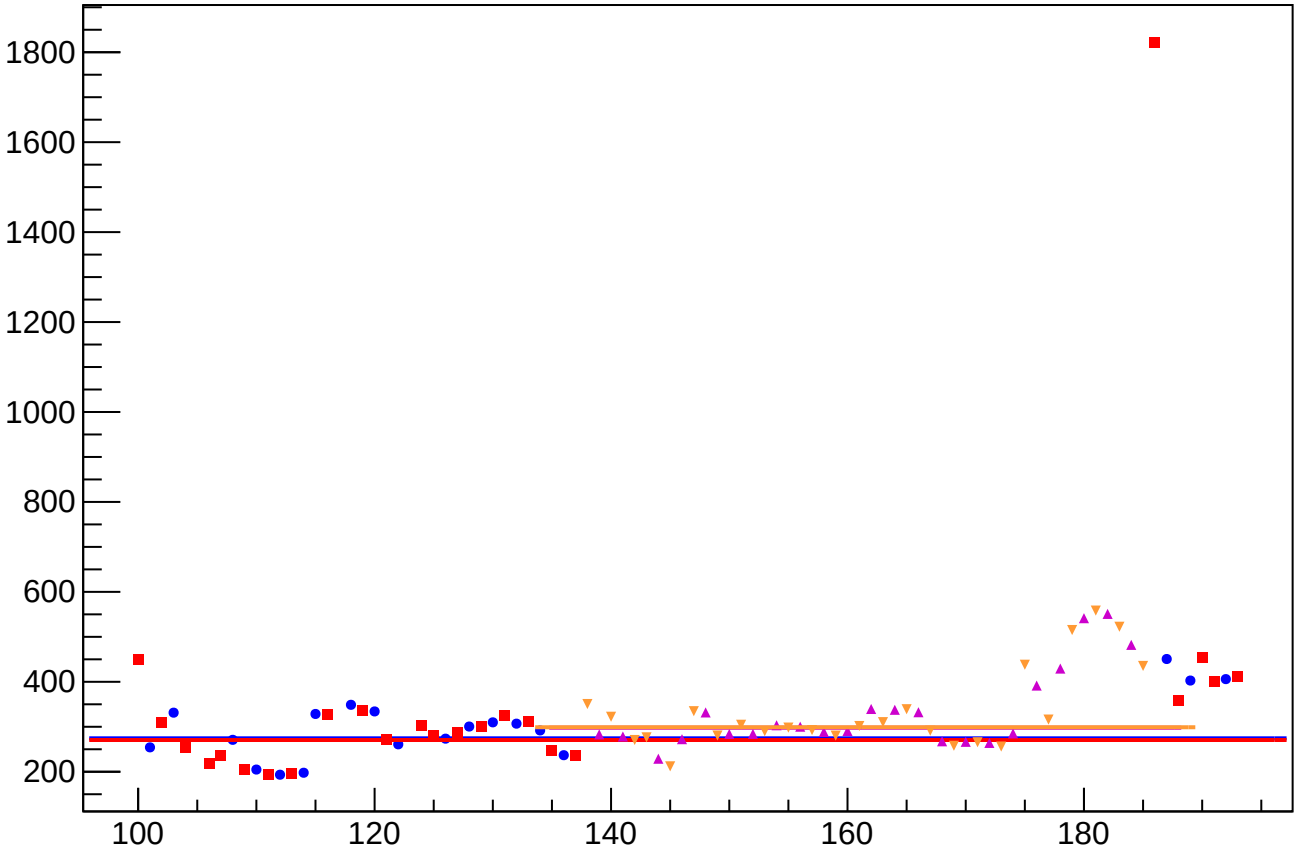
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 205.652+/-56.306 χ^2/NDF: 38.8/43

All: -55.184+/-39.660 χ^2/NDF: 126.4/90

- sign -312.022+/-55.873 χ^2/NDF: 45.0/46

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: 270.588+/-0.063 χ^2/NDF: 1640360.3/23

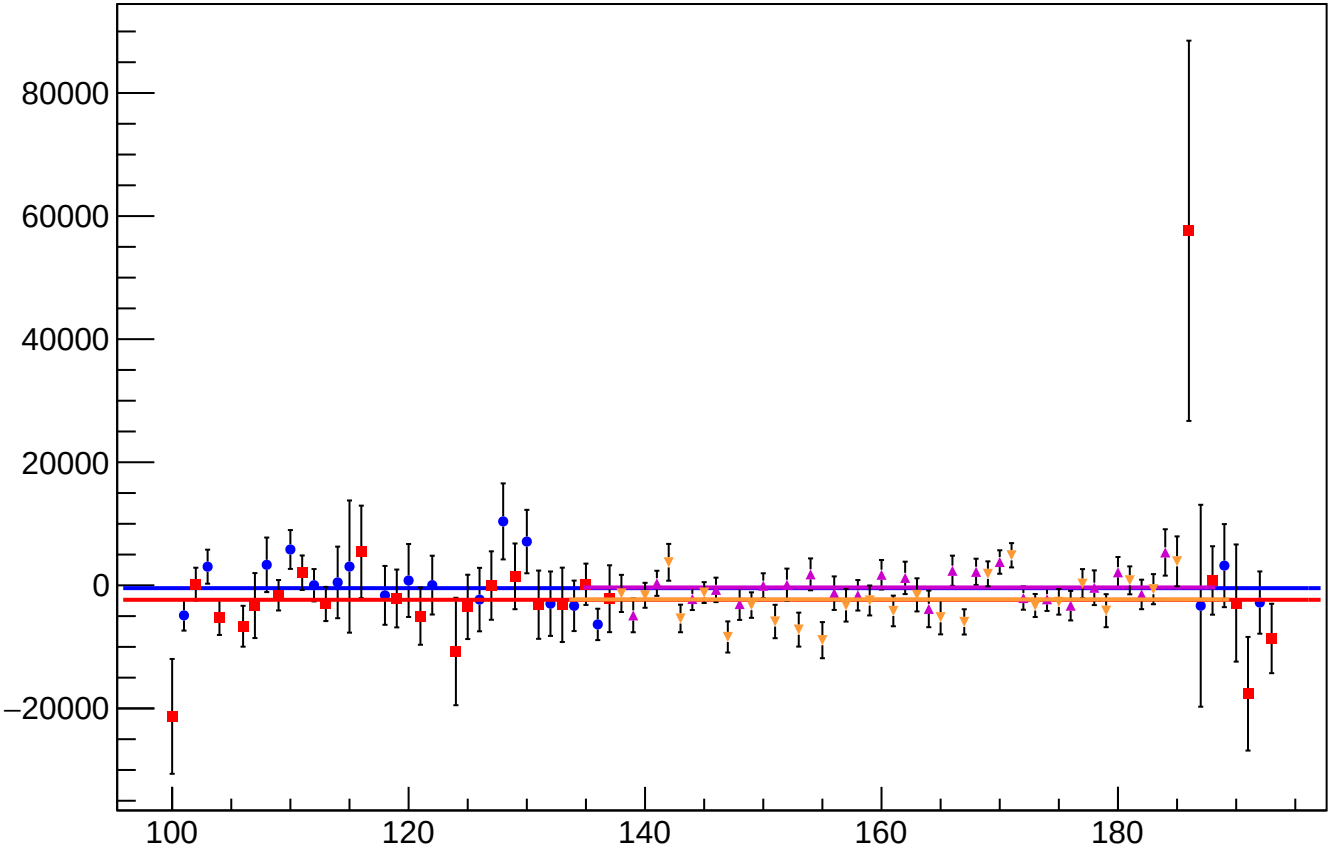
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

\+ sign 290.238+/-0.040 χ^2/NDF: 2564584.8/43

All: 288.686+/-0.028 χ^2/NDF: 5640899.8/90

\- sign 287.158+/-0.040 χ^2/NDF: 3073300.1/46

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: -2349.035+/-870.674 χ^2/NDF: 22.1/23

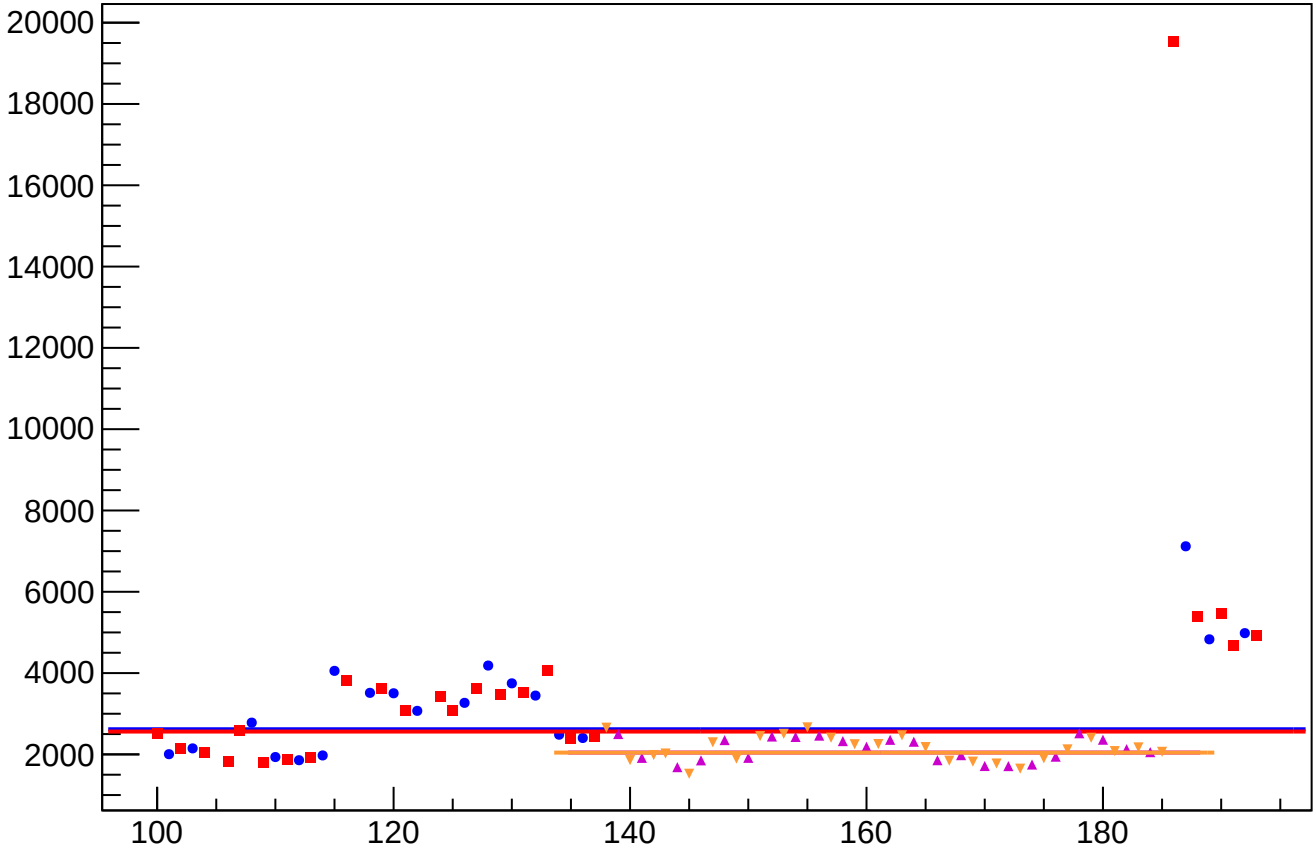
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -1915.933+/-419.669 χ^2/NDF: 76.5/43

All: -1369.848+/-297.840 χ^2/NDF: 128.9/90

- sign -815.668+/-422.768 χ^2/NDF: 49.0/46

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: 2561.811+/-0.616 χ^2/NDF: 2939778.8/23

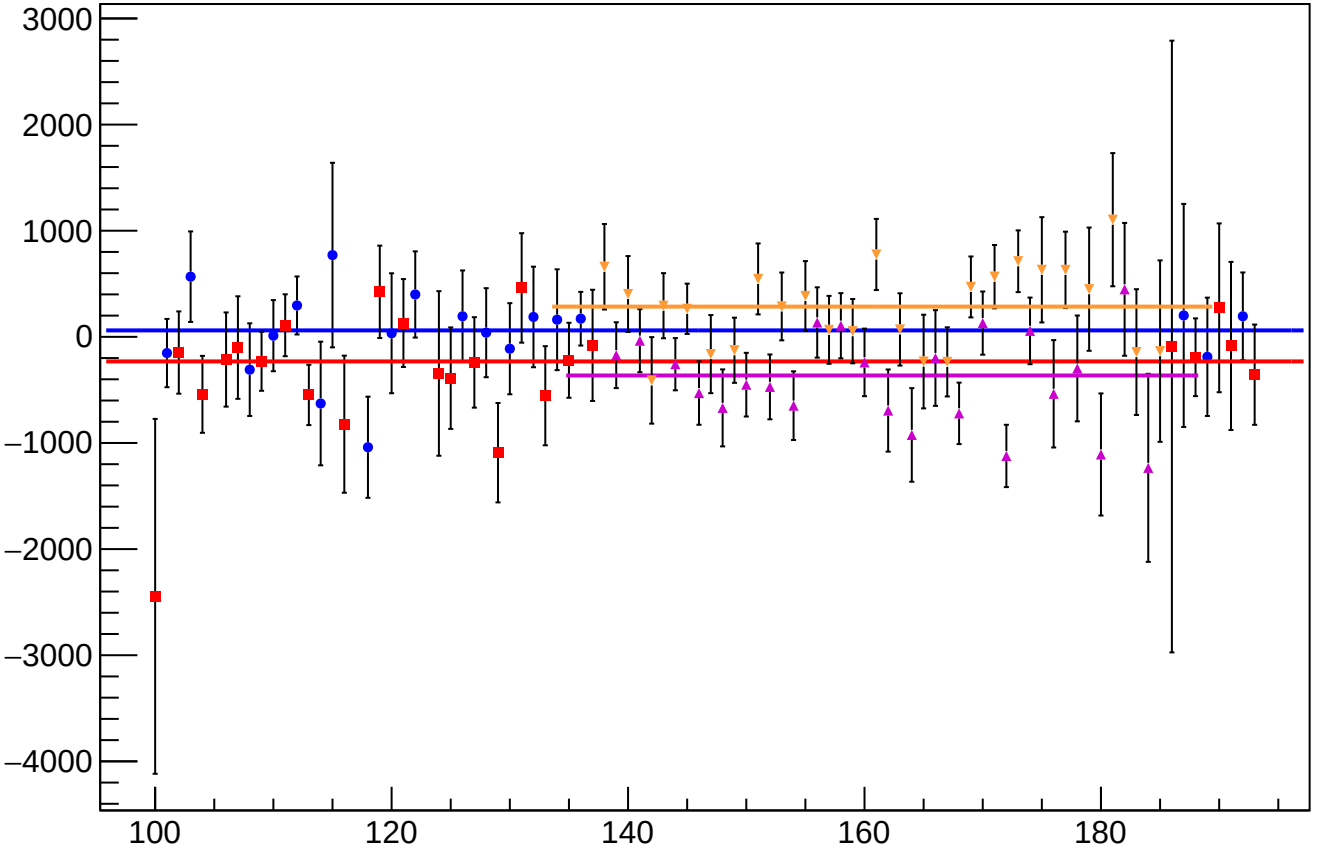
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2161.252+/-0.297 χ^2/NDF: 3227396.6/43

All: 2164.098+/-0.211 χ^2/NDF: 7395732.6/90

- sign 2166.986+/-0.299 χ^2/NDF: 4168150.7/46

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: -231.484+/-89.128 χ^2/NDF: 15.5/23

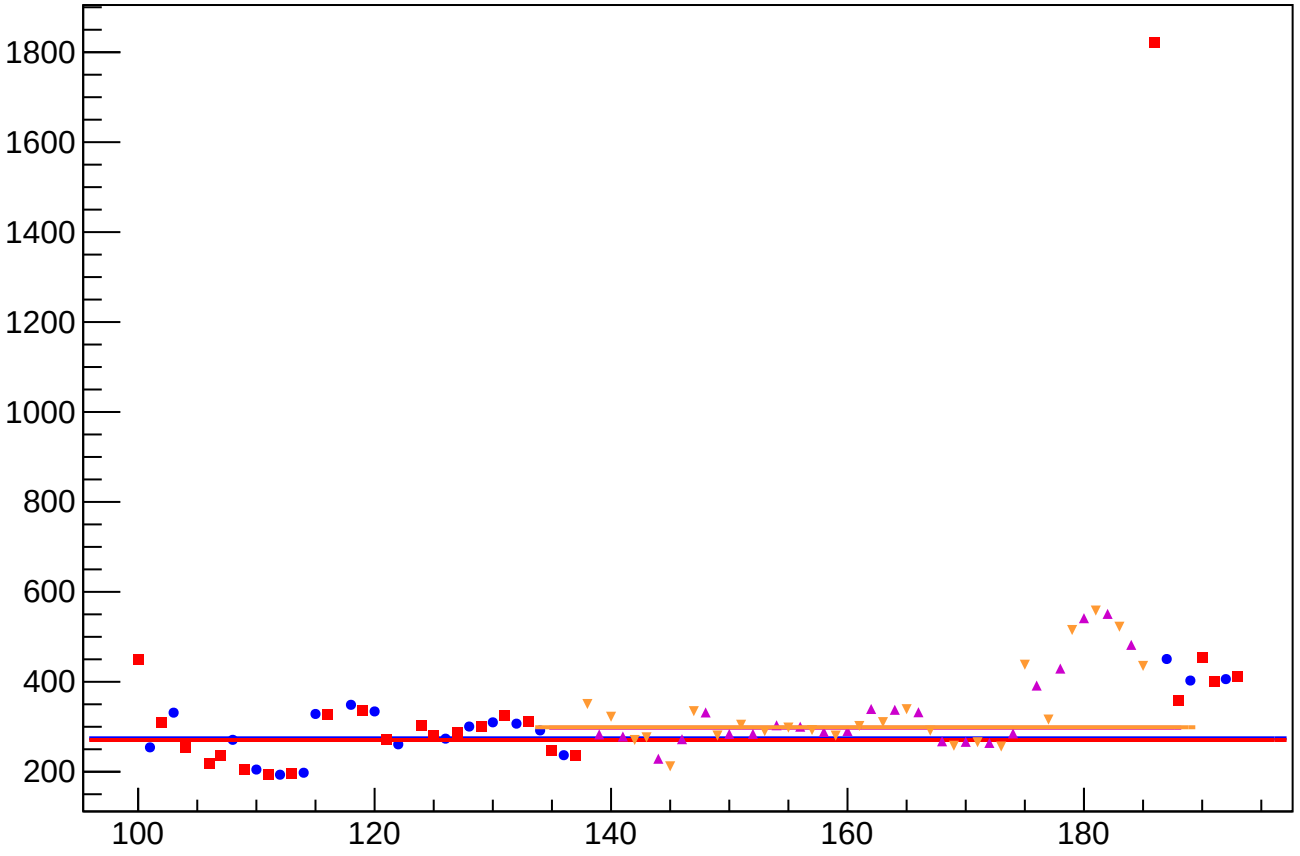
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 205.656+/-56.306 χ^2/NDF: 38.8/43

All: -55.182+/-39.660 χ^2/NDF: 126.4/90

- sign -312.023+/-55.873 χ^2/NDF: 45.0/46

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: 270.588+/-0.063 χ^2/NDF: 1640363.2/23

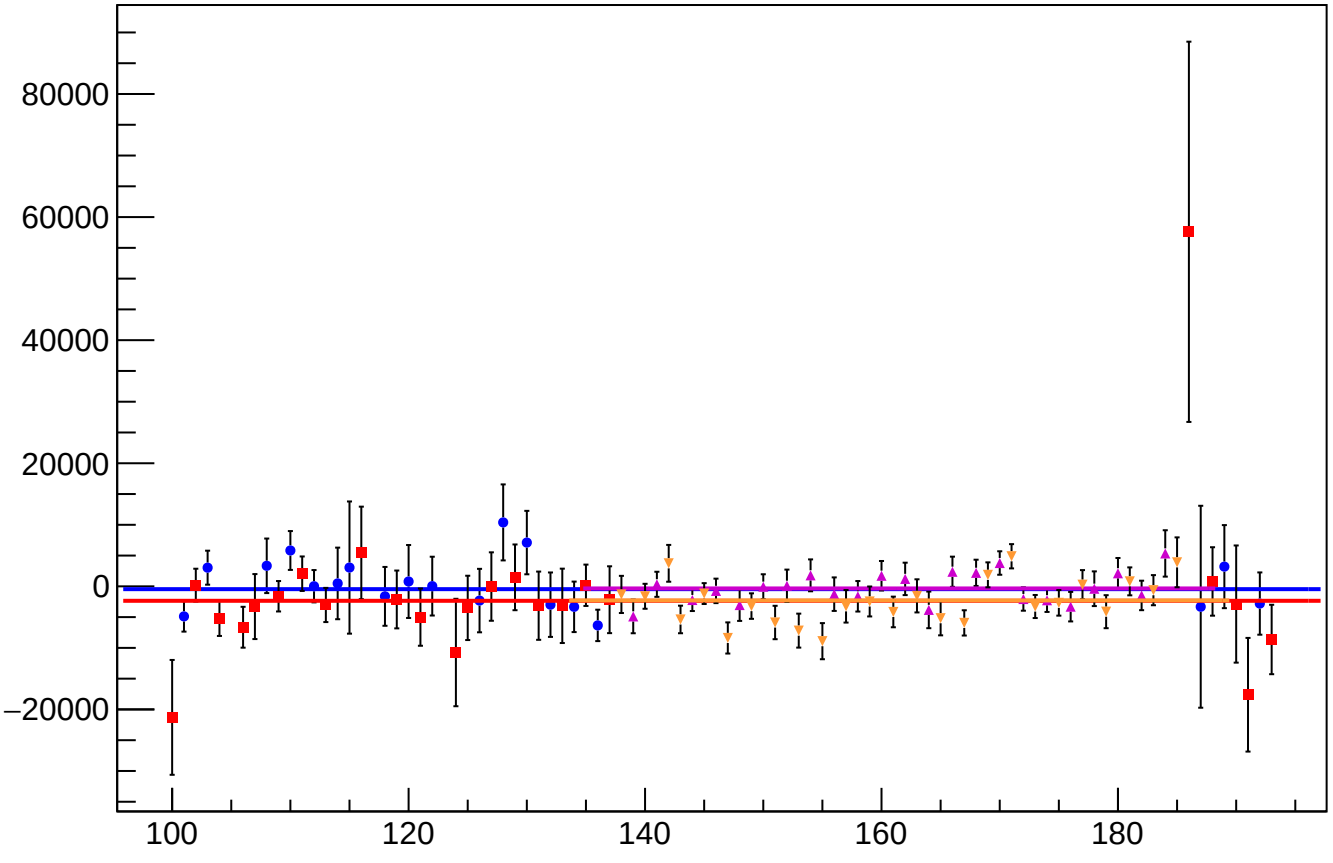
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 290.238+/-0.040 χ^2/NDF: 2564580.0/43

All: 288.686+/-0.028 χ^2/NDF: 5640881.9/90

- sign 287.158+/-0.040 χ^2/NDF: 3073286.9/46

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: -2349.033+/-870.674 χ^2/NDF: 22.1/23

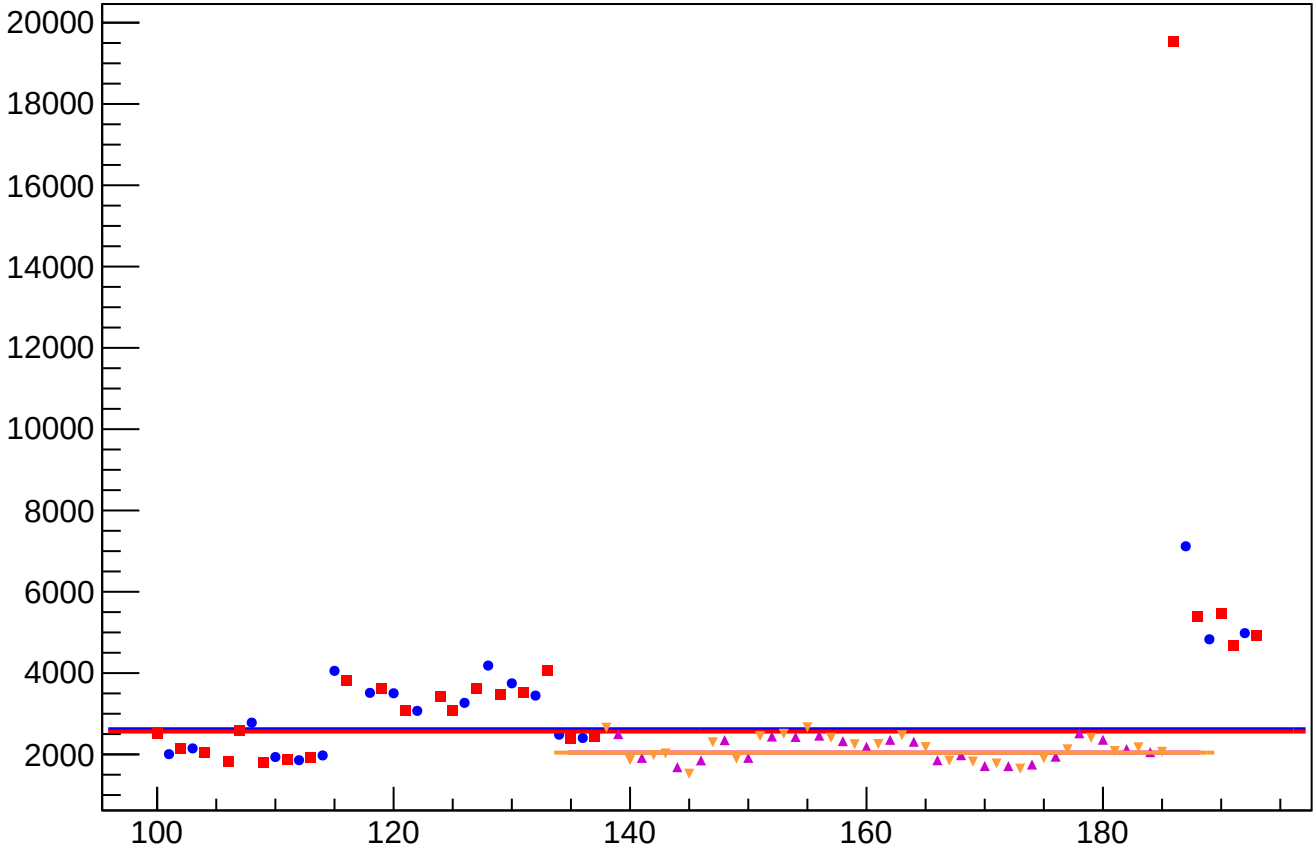
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -1915.929+/-419.669 χ^2/NDF: 76.5/43

All: -1369.844+/-297.840 χ^2/NDF: 128.9/90

- sign -815.666+/-422.768 χ^2/NDF: 49.0/46

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: 2561.809+/-0.616 χ^2/NDF: 2939776.2/23

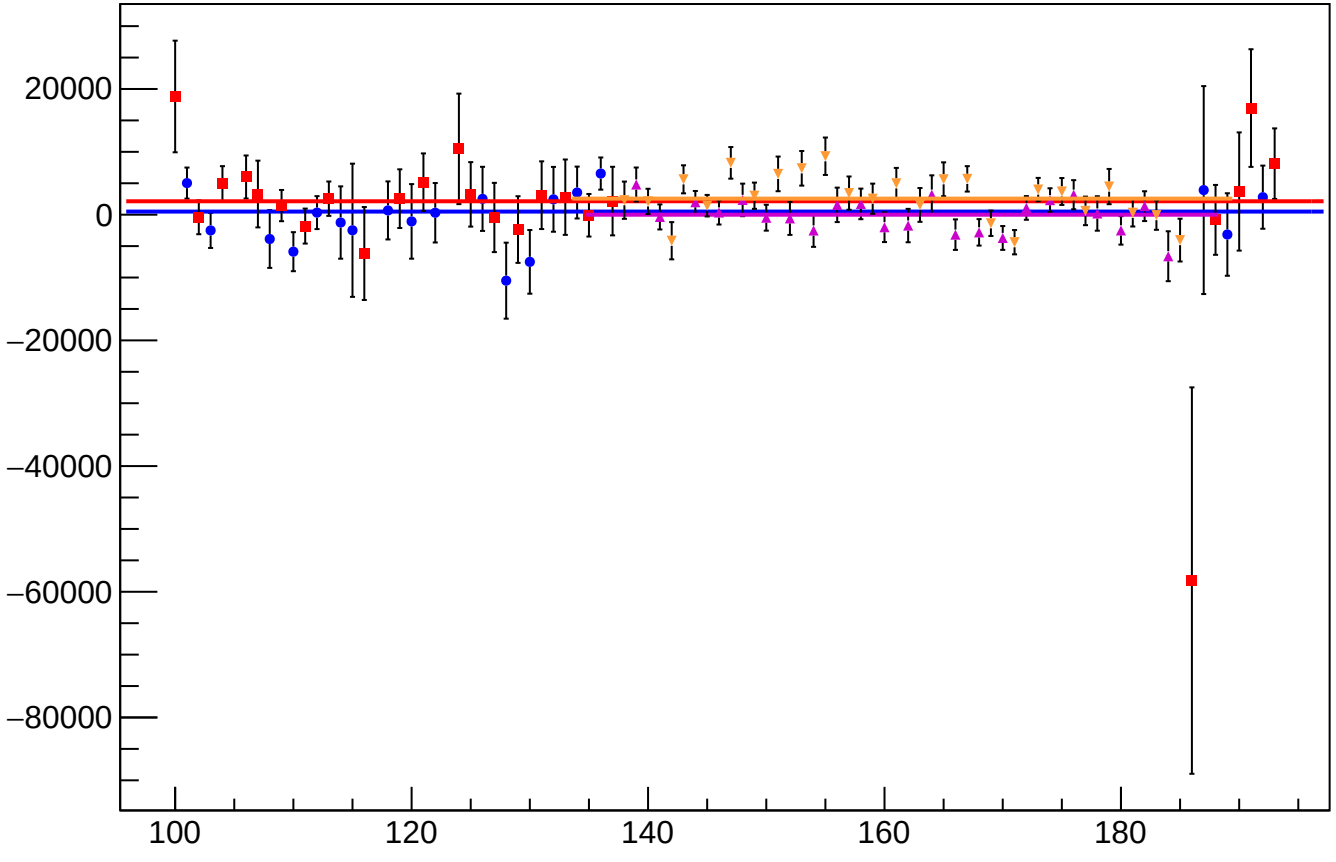
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2161.249+/-0.297 χ^2/NDF: 3227403.4/43

All: 2164.095+/-0.211 χ^2/NDF: 7395738.6/90

- sign 2166.983+/-0.299 χ^2/NDF: 4168149.9/46

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: 2135.470+/-869.308 χ^2/NDF: 20.7/23

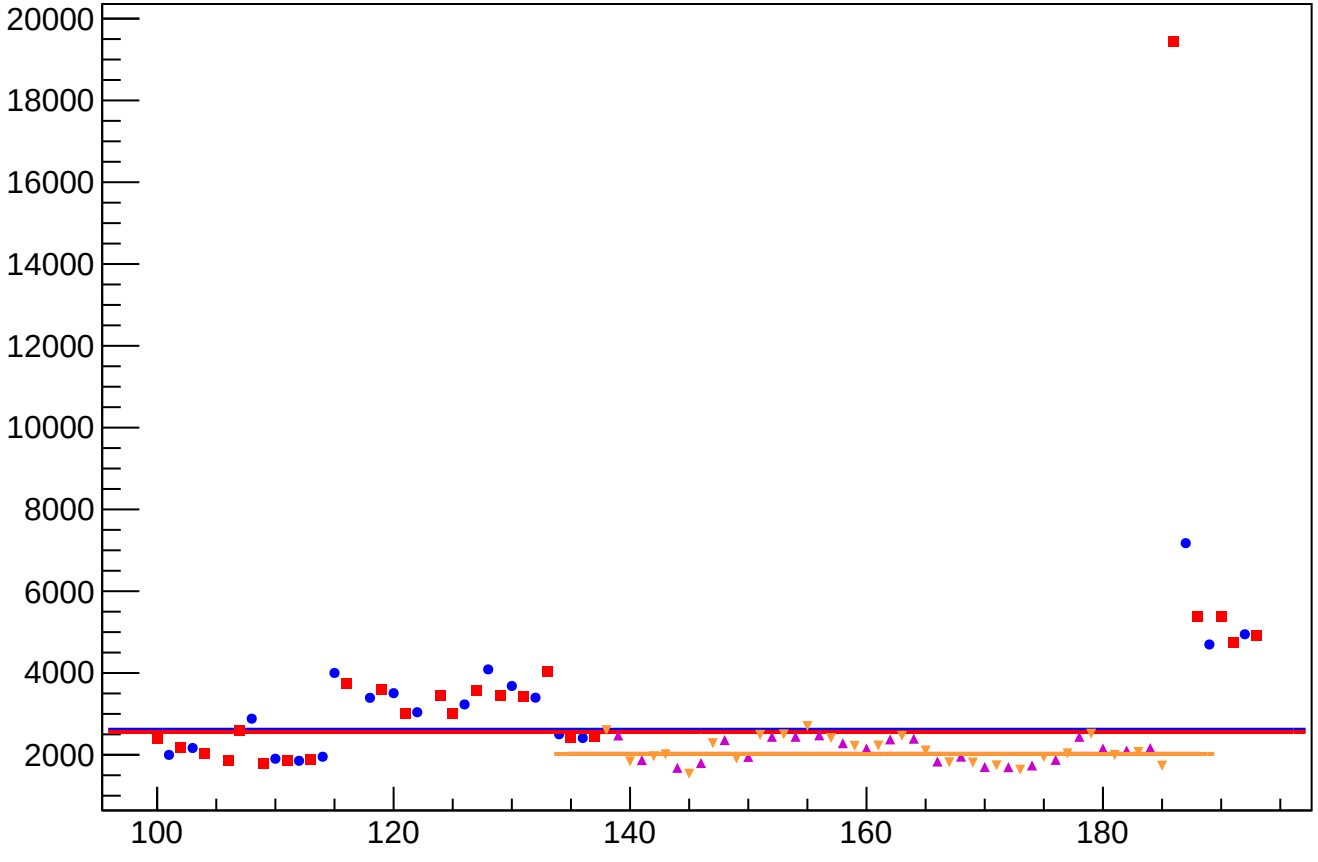
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2141.338+/-416.153 χ^2/NDF: 79.3/43

All: 1323.637+/-295.336 χ^2/NDF: 137.1/90

- sign 493.916+/-419.201 χ^2/NDF: 50.0/46

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

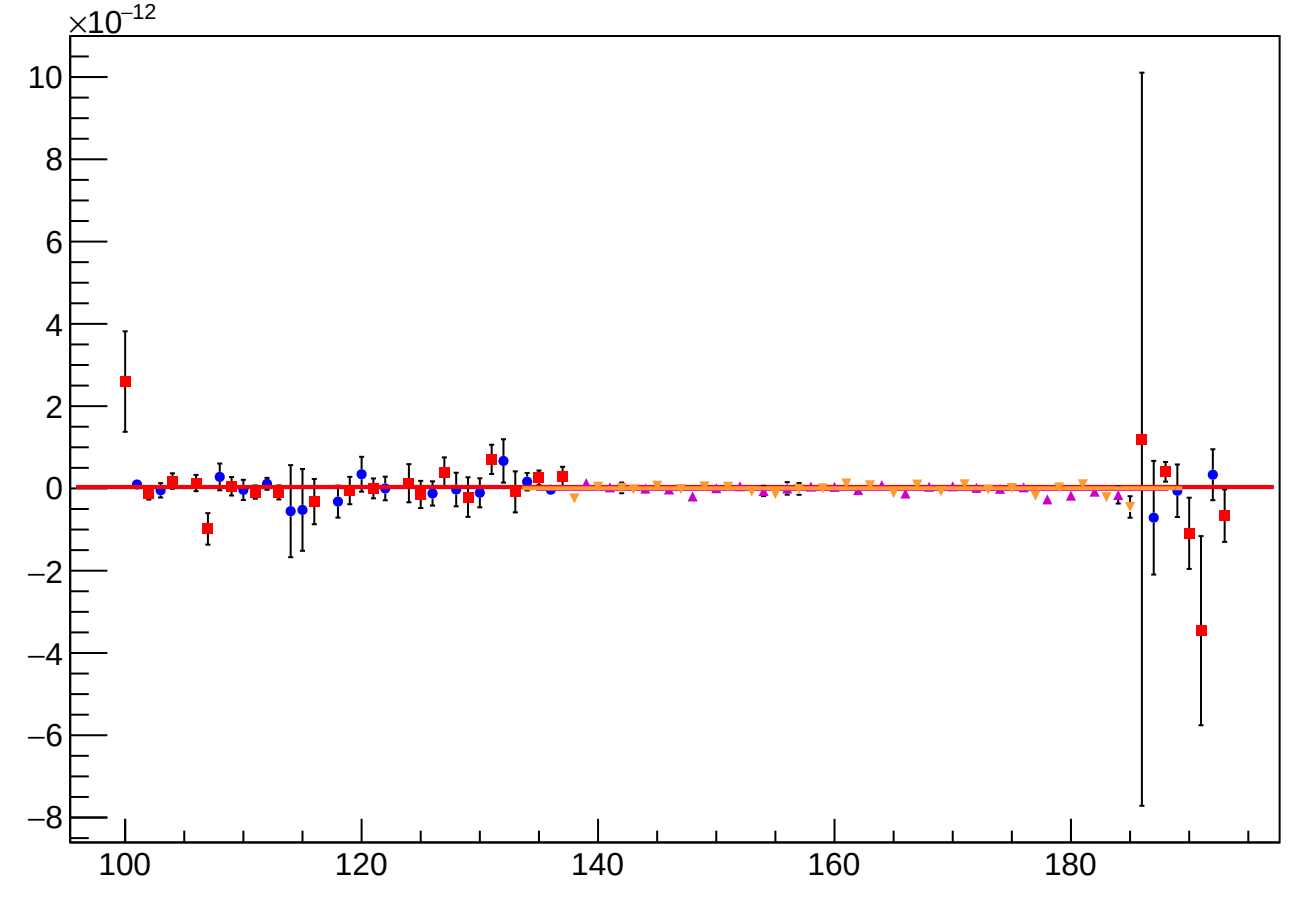
Right Out: 2558.098+/-0.615 χ^2/NDF: 2899159.8/23

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2140.913+/-0.294 χ^2/NDF: 3250540.6/43

All: 2144.257+/-0.209 χ^2/NDF: 7426973.7/90

- sign 2147.649+/-0.296 χ^2/NDF: 4176173.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 6.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.8/23

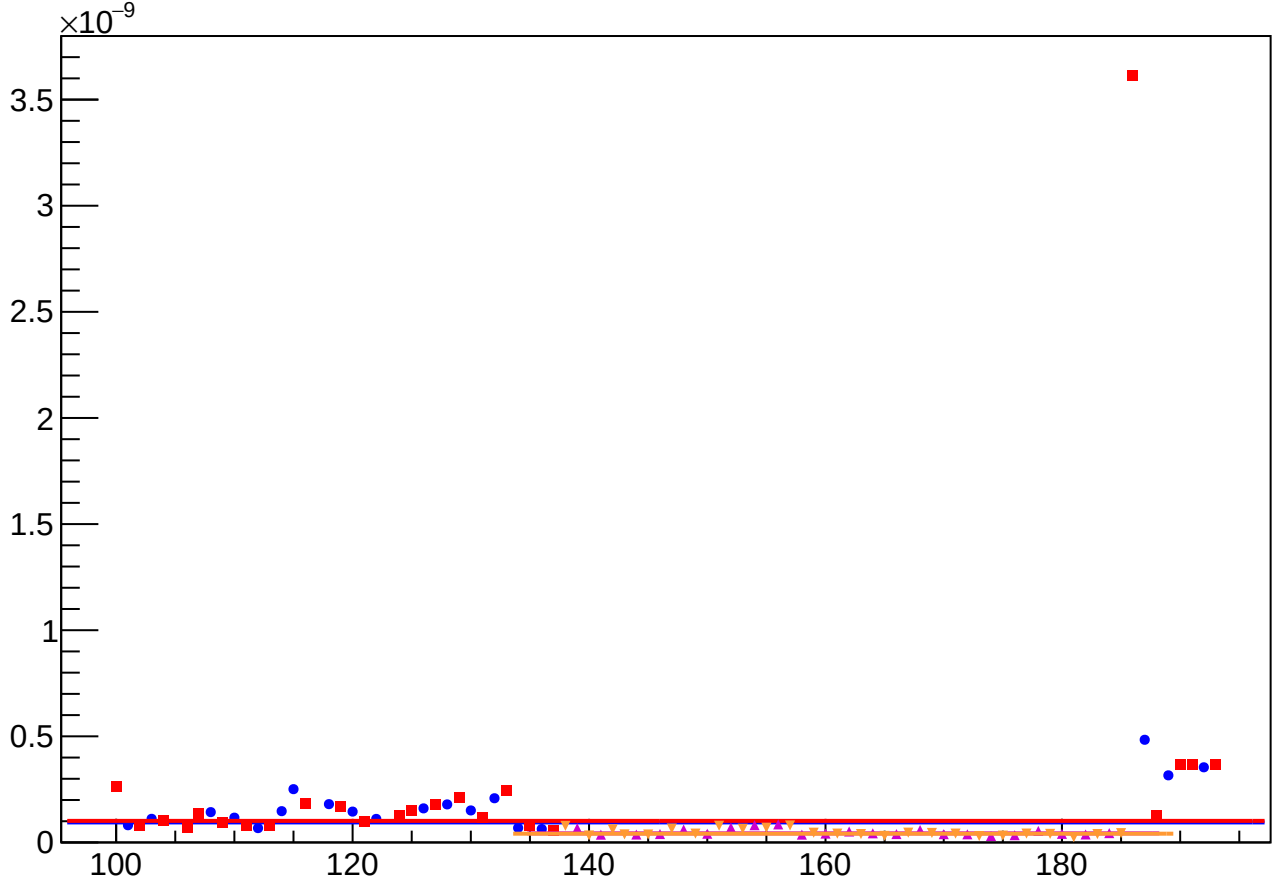
Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.0/43

All: -0.000+/-0.000 χ^2/NDF: 91.8/90

- sign -0.000+/-0.000 χ^2/NDF: 52.4/46

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: 1756128.1/23

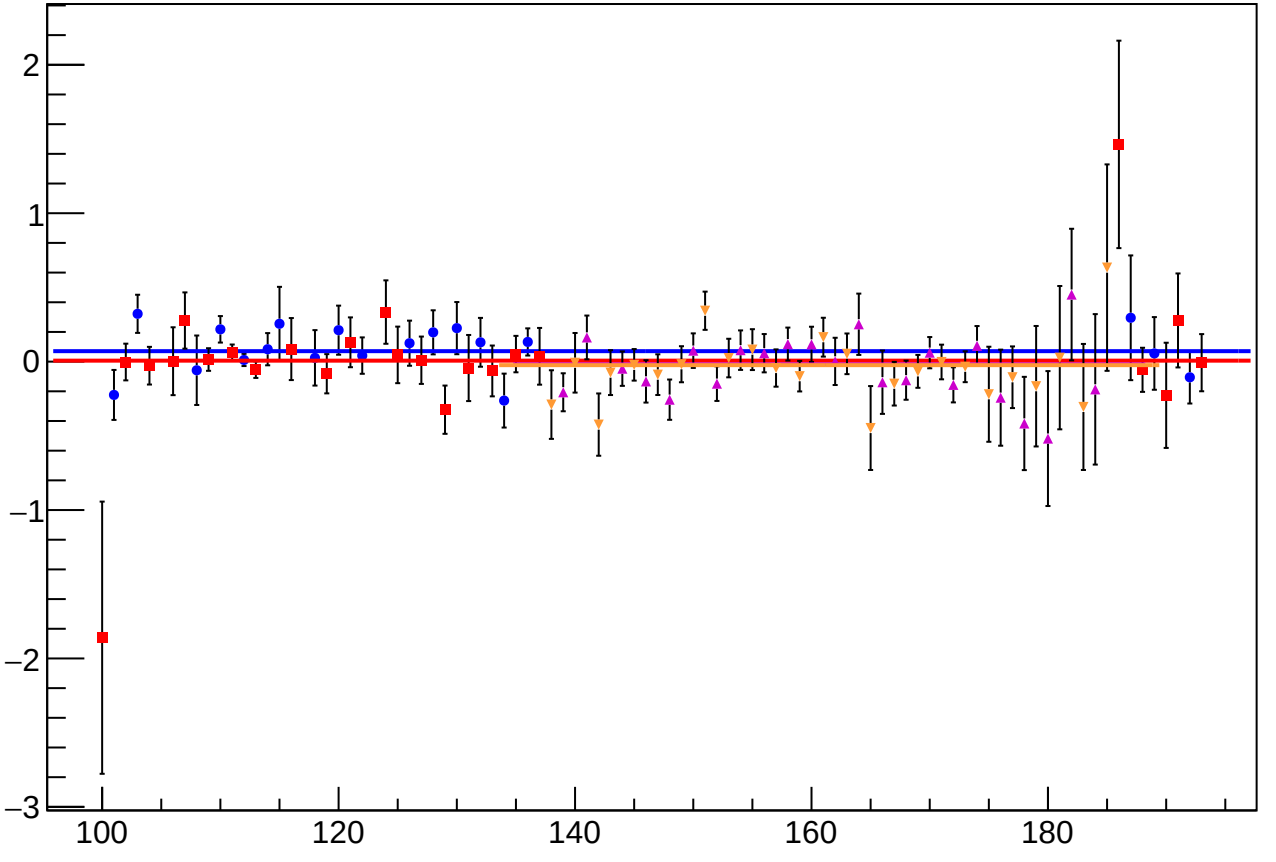
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4821179.5/43

All: 0.000+/-0.000 χ^2/NDF: 9677566.6/90

- sign 0.000+/-0.000 χ^2/NDF: 4833347.2/46

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: 22.1/23

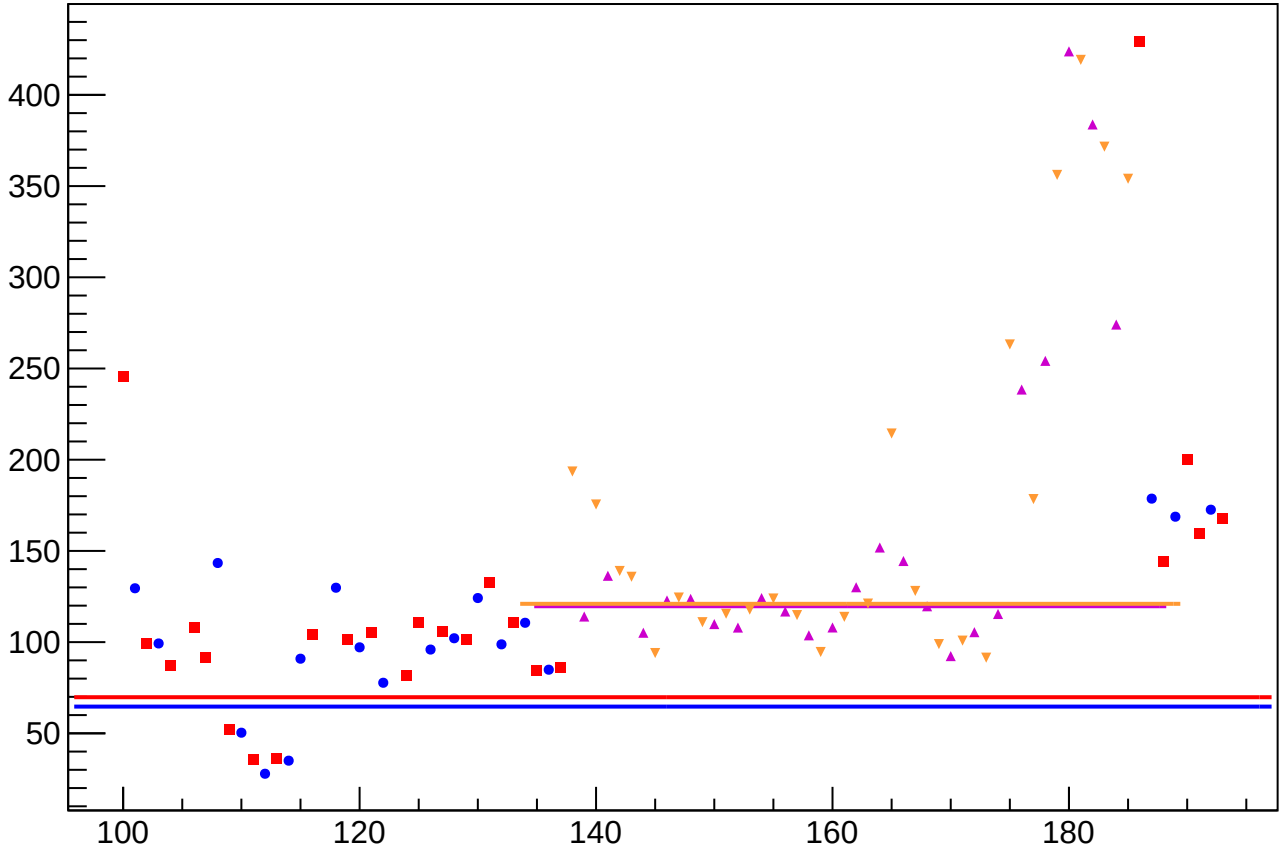
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.0/43

All: 0.012+/-0.014 χ^2/NDF: 95.0/90

- sign -0.004+/-0.020 χ^2/NDF: 45.5/46

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: 69.803+/-0.018 χ^2/NDF: 4742708.3/23

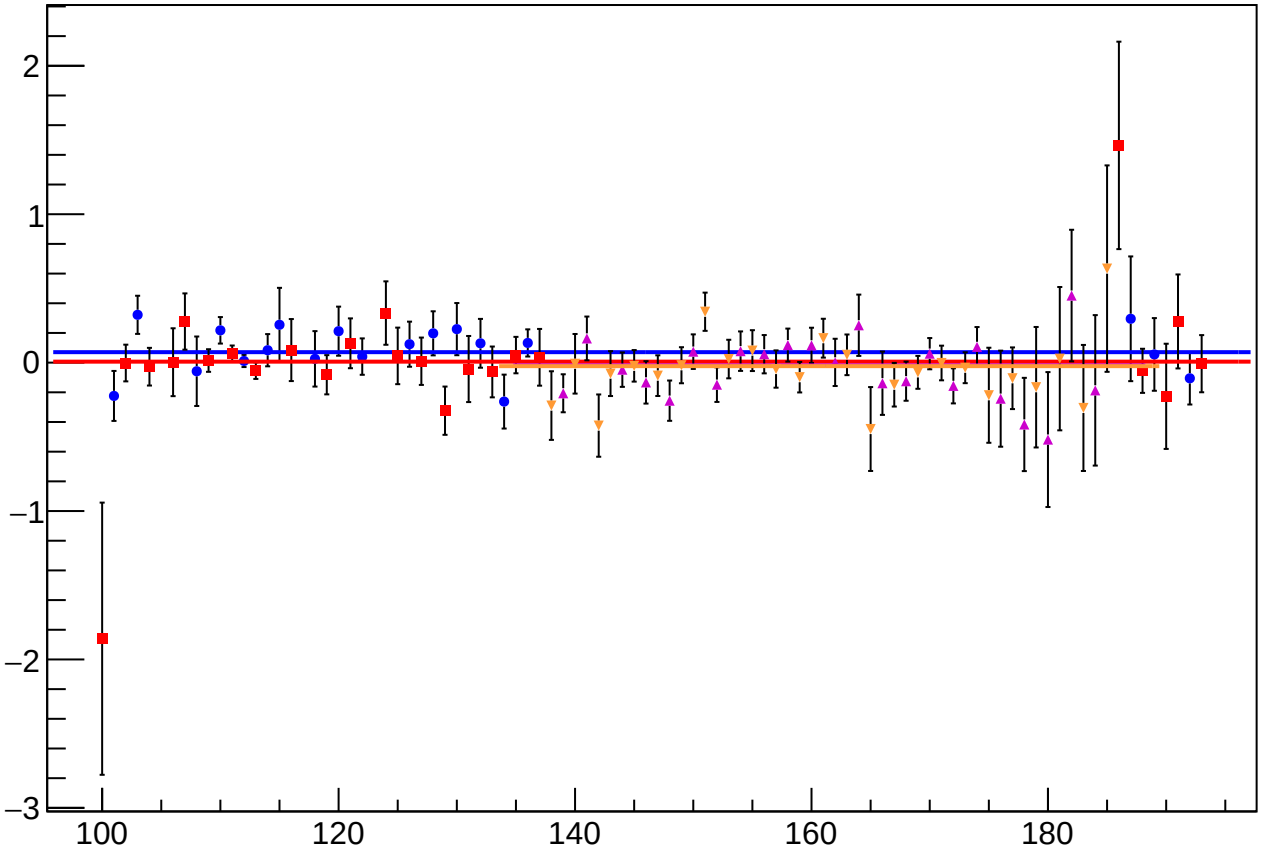
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 89.434+/-0.014 χ^2/NDF: 12915002.4/43

All: 90.221+/-0.010 χ^2/NDF: 23633986.4/90

- sign 90.997+/-0.014 χ^2/NDF: 10712725.7/46

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: 22.1/23

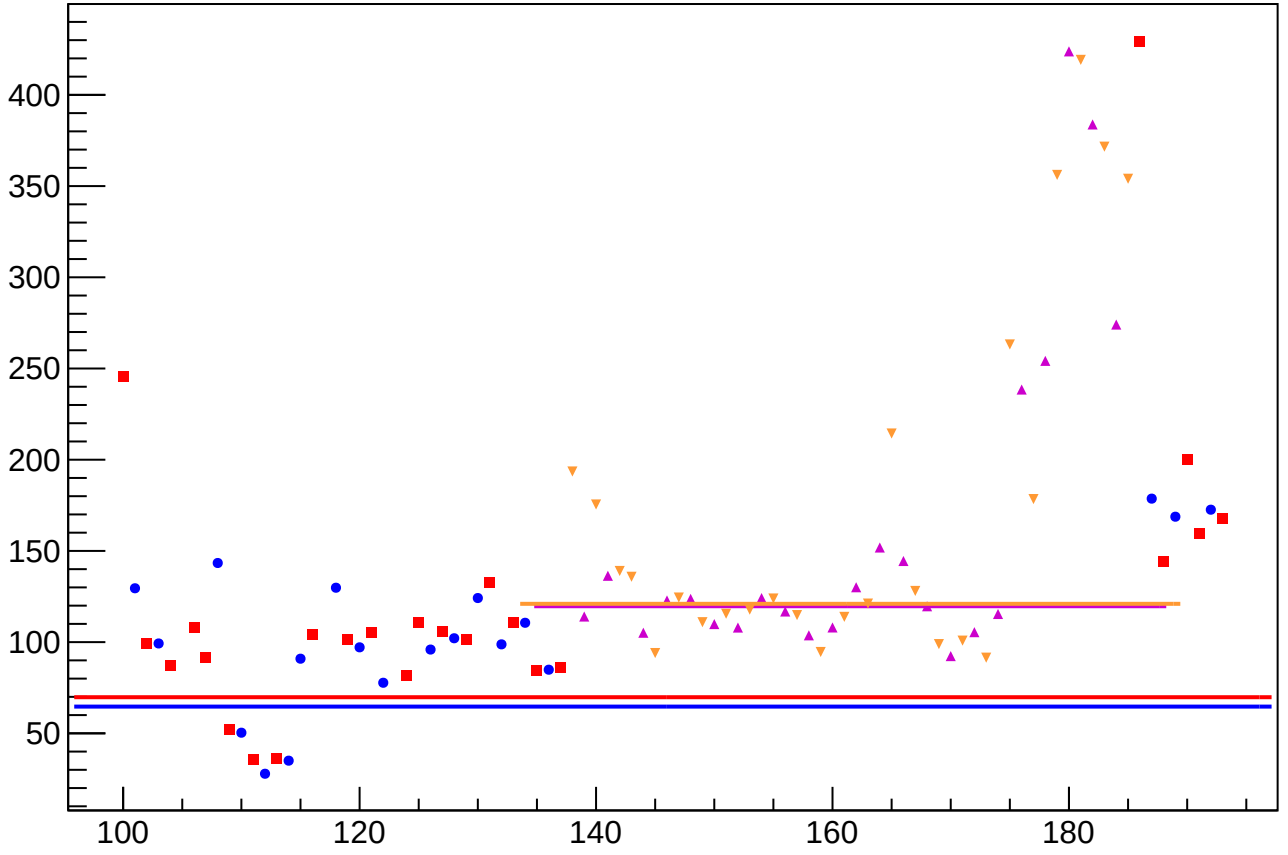
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.0/43

All: 0.012+/-0.014 χ^2/NDF: 95.0/90

- sign -0.004+/-0.020 χ^2/NDF: 45.5/46

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

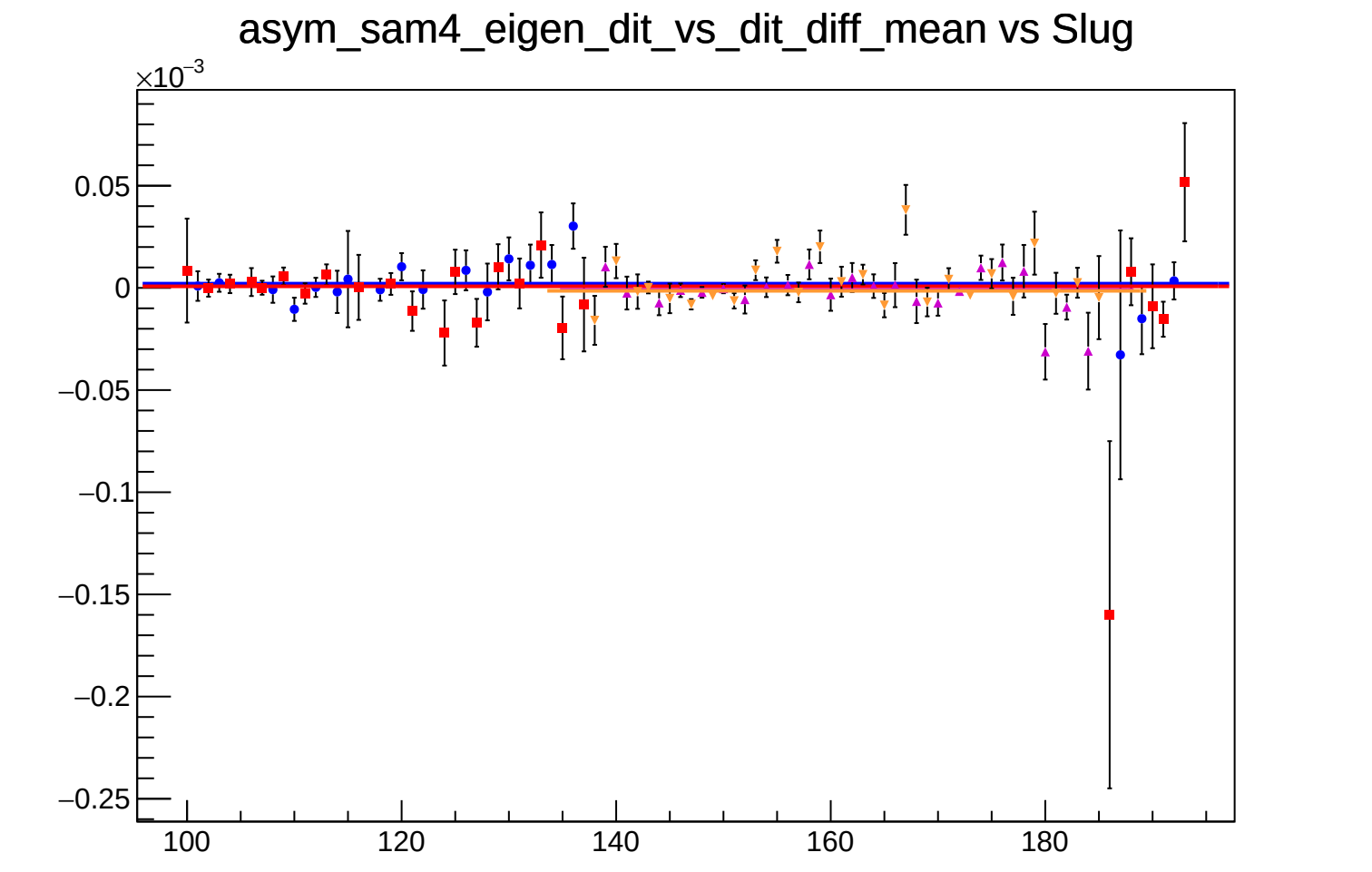
Right Out: 69.803+/-0.018 χ^2/NDF: 4742708.3/23

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 89.434+/-0.014 χ^2/NDF: 12915002.4/43

All: 90.221+/-0.010 χ^2/NDF: 23633986.4/90

- sign 90.997+/-0.014 χ^2/NDF: 10712725.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/23

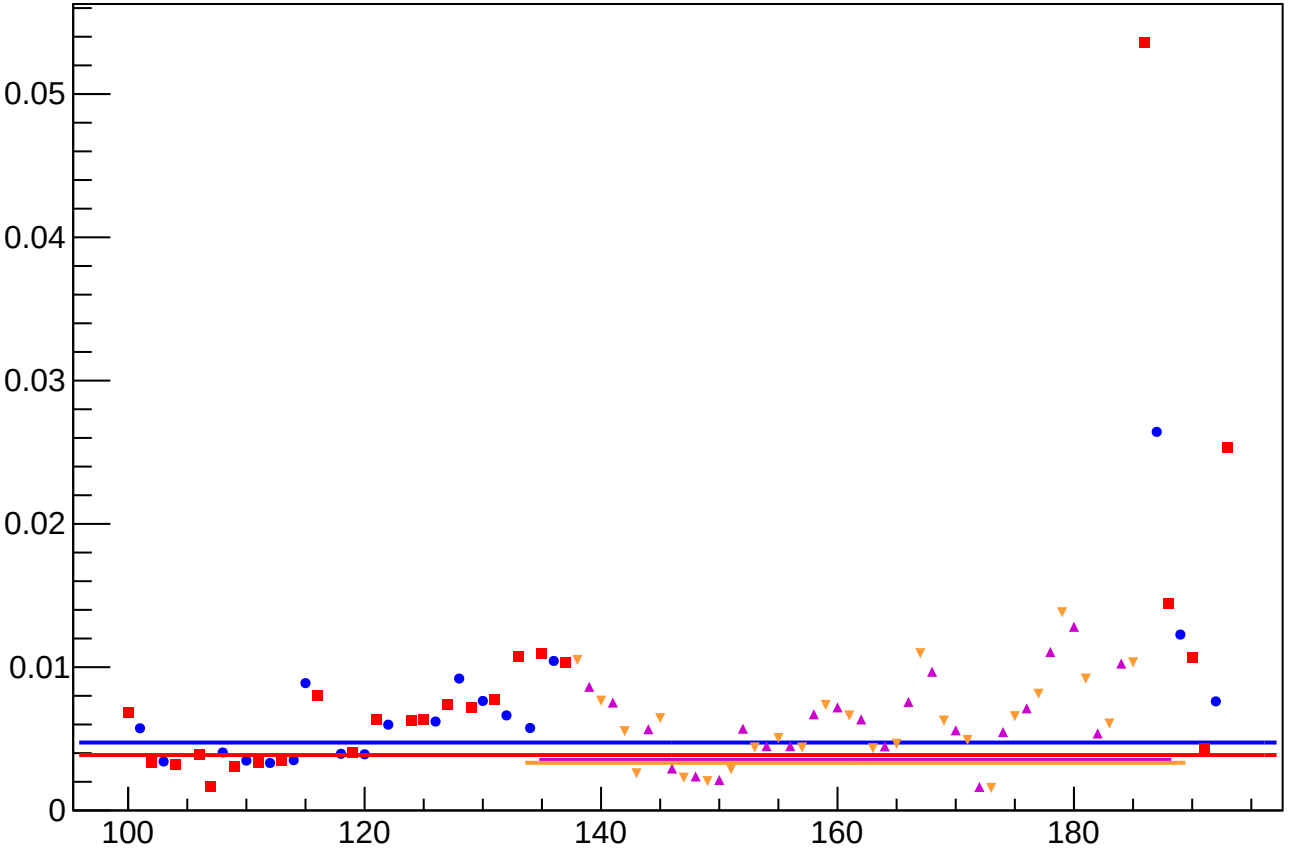
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.4/43

All: -0.000+/-0.000 χ^2/NDF: 132.7/90

- sign -0.000+/-0.000 χ^2/NDF: 50.3/46

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: 5819405.0/23

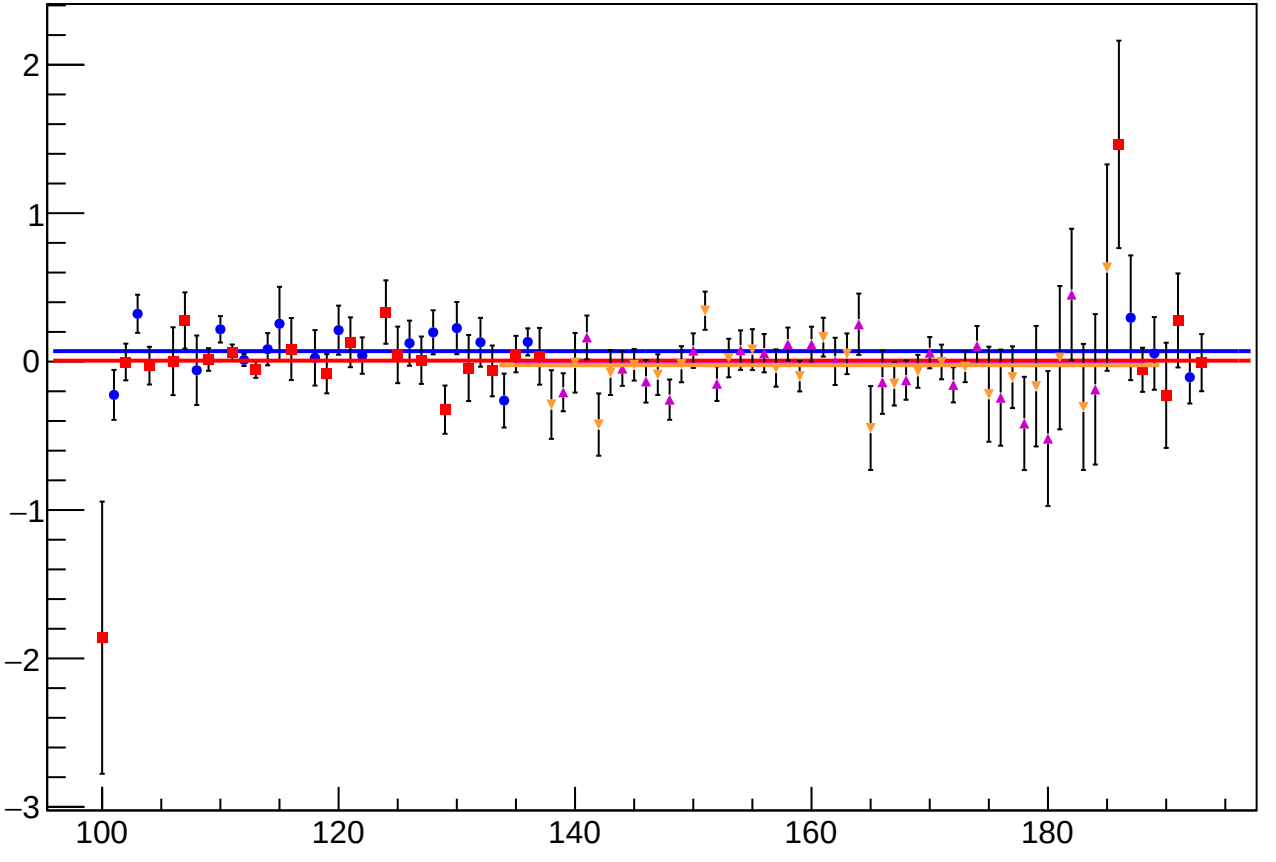
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 14078184.6/43

All: 0.004+/-0.000 χ^2/NDF: 29399989.8/90

- sign 0.004+/-0.000 χ^2/NDF: 15321641.8/46

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: 22.1/23

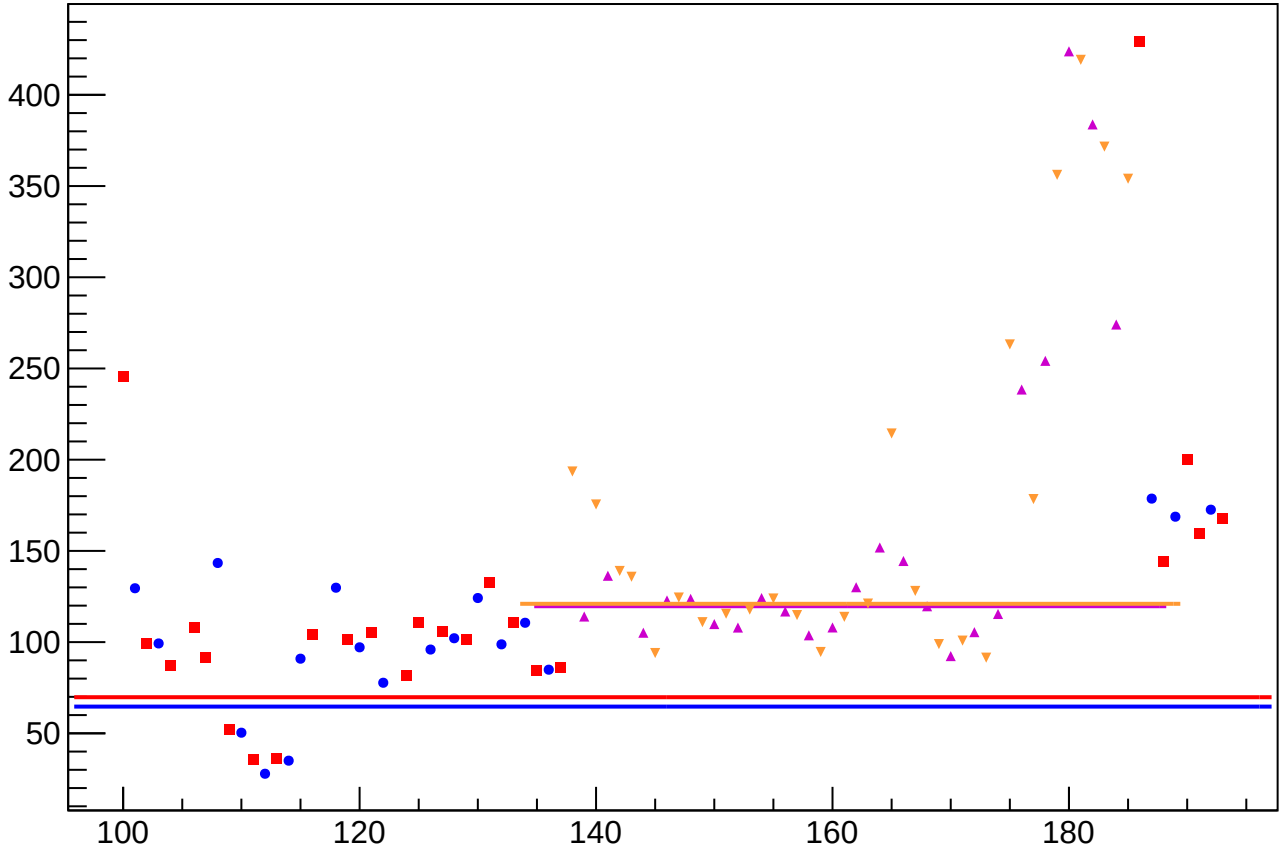
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.0/43

All: 0.012+/-0.014 χ^2/NDF: 95.0/90

- sign -0.004+/-0.020 χ^2/NDF: 45.5/46

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: 69.801+/-0.018 χ^2/NDF: 4743036.8/23

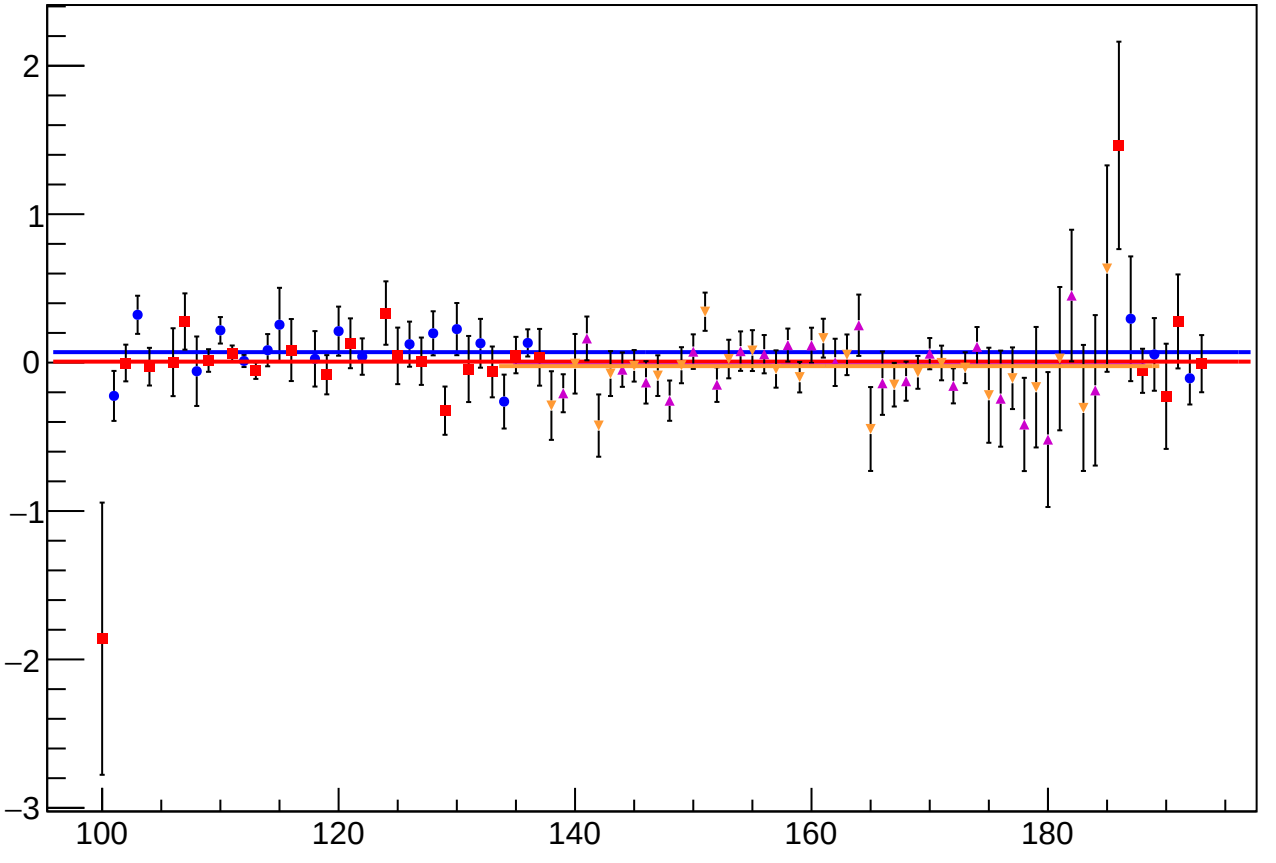
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 89.432+/-0.014 χ^2/NDF: 12915721.5/43

All: 90.219+/-0.010 χ^2/NDF: 23635346.1/90

- sign 90.996+/-0.014 χ^2/NDF: 10713363.6/46

asym_sam4_eigen_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: 22.1/23

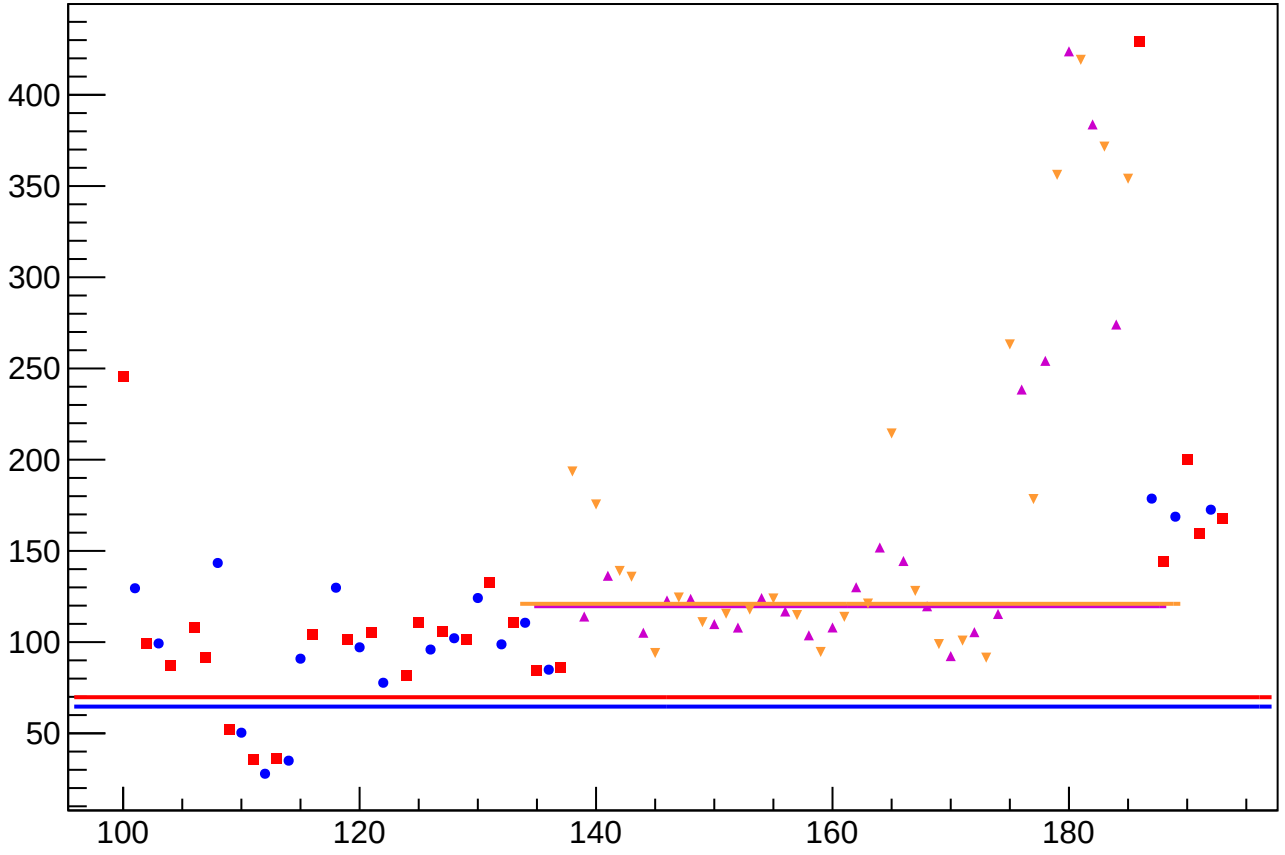
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.0/43

All: 0.012+/-0.014 χ^2/NDF: 95.0/90

- sign -0.004+/-0.020 χ^2/NDF: 45.5/46

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: 69.801+/-0.018 χ^2/NDF: 4743036.8/23

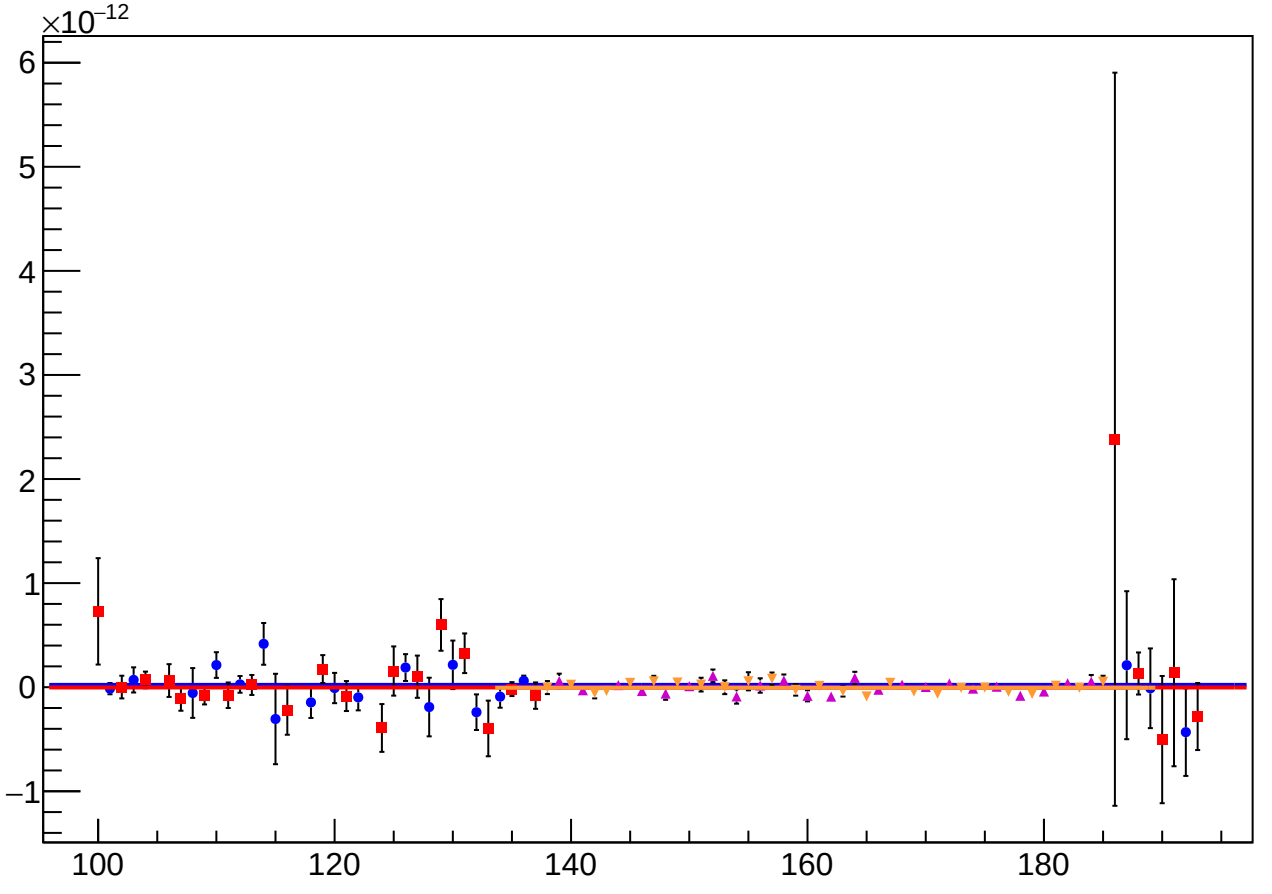
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 89.432+/-0.014 χ^2/NDF: 12915721.5/43

All: 90.219+/-0.010 χ^2/NDF: 23635346.1/90

- sign 90.996+/-0.014 χ^2/NDF: 10713363.6/46

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

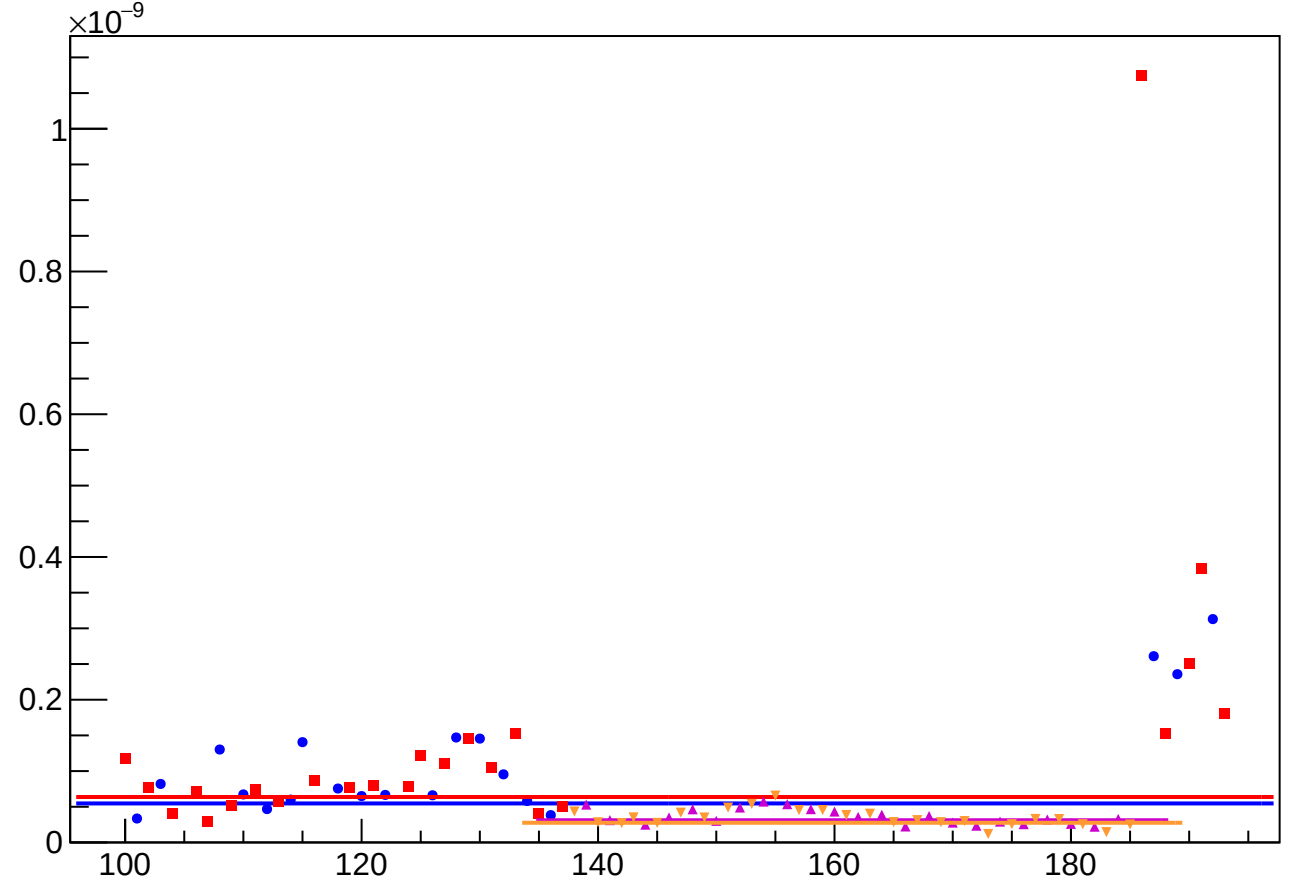
Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/23

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: 94.4/90

- sign -0.000+/-0.000 χ^2/NDF: 53.1/46



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: 2829353.7/23

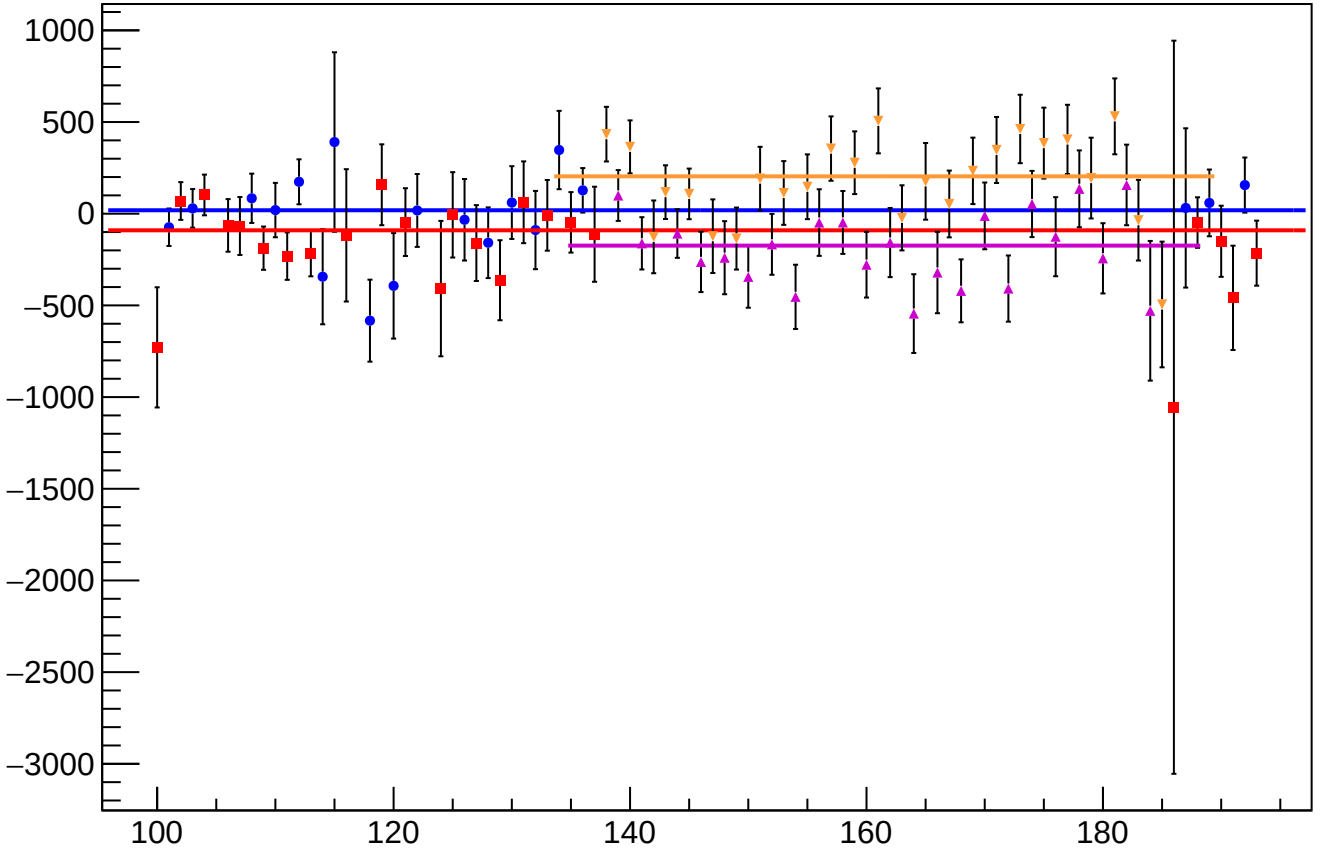
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8696719.7/43

All: 0.000+/-0.000 χ^2/NDF: 16109735.6/90

- sign 0.000+/-0.000 χ^2/NDF: 7158890.1/46

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: -90.541+/-34.929 χ^2/NDF: 19.4/23

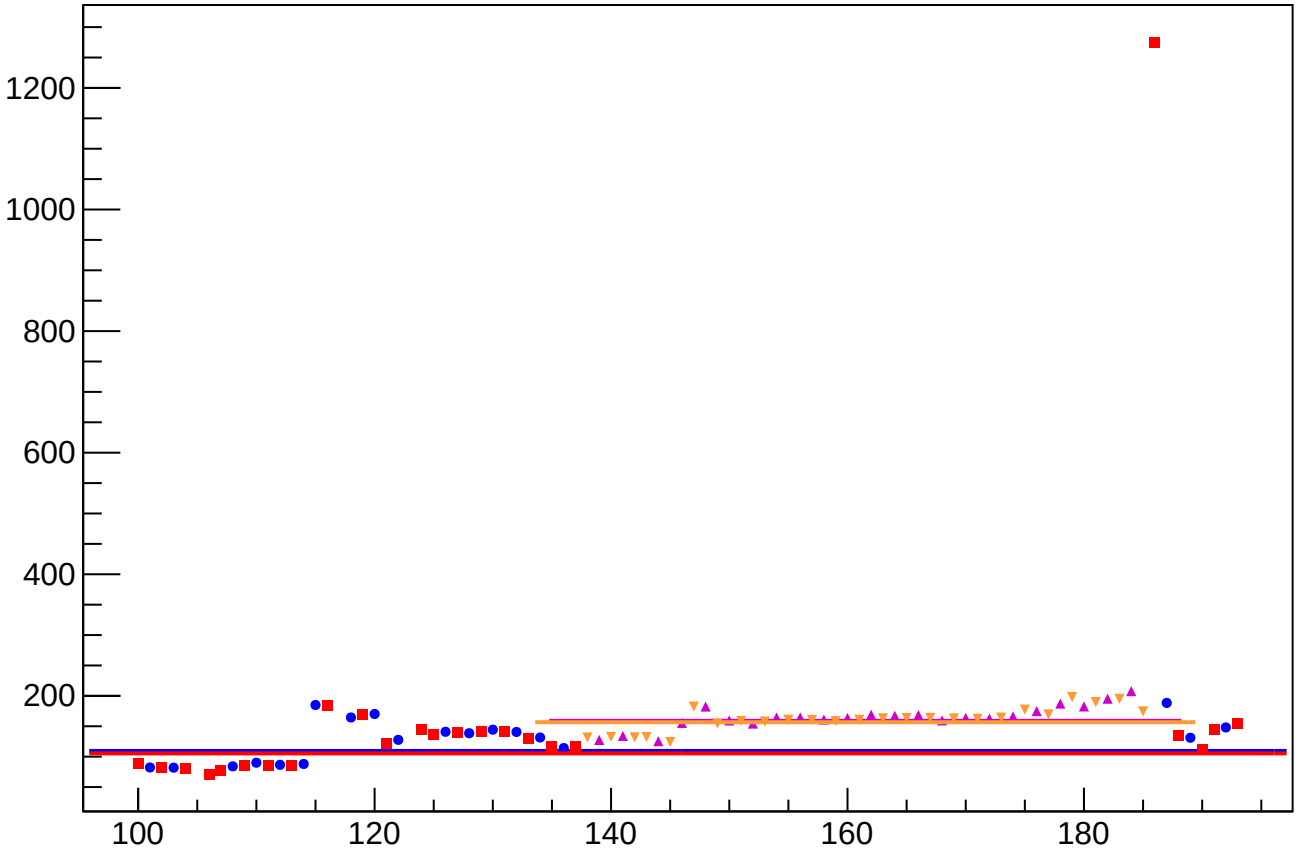
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 116.500+/-26.075 χ^2/NDF: 65.2/43

All: -9.054+/-18.242 χ^2/NDF: 157.1/90

- sign -129.405+/-25.529 χ^2/NDF: 46.5/46

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: 105.348+/-0.025 χ^2/NDF: 2058734.6/23

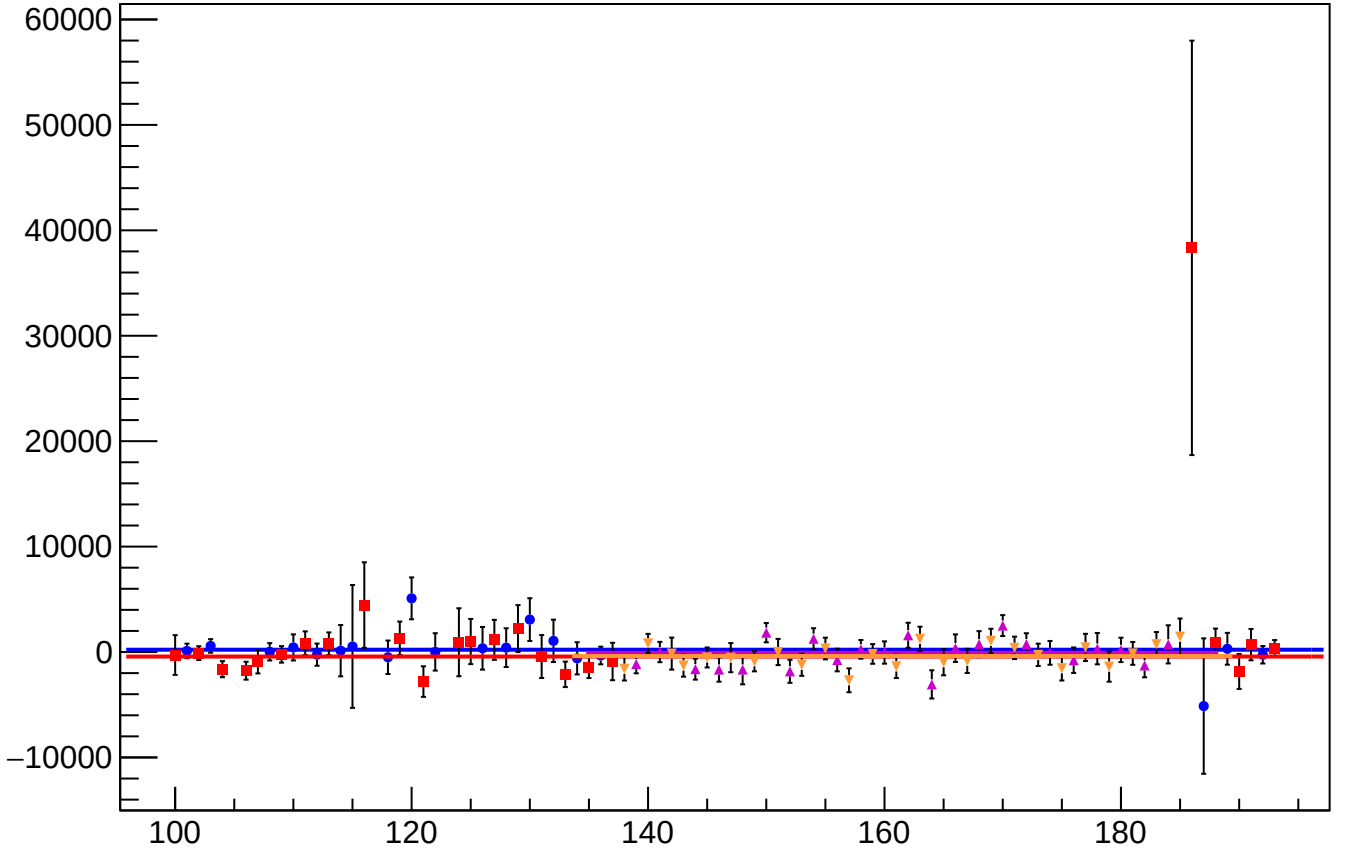
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.350+/-0.018 χ^2/NDF: 3401849.0/43

All: 132.291+/-0.013 χ^2/NDF: 8190409.4/90

- sign 130.317+/-0.018 χ^2/NDF: 4764125.5/46

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: -427.842+/-244.534 χ^2/NDF: 26.3/23

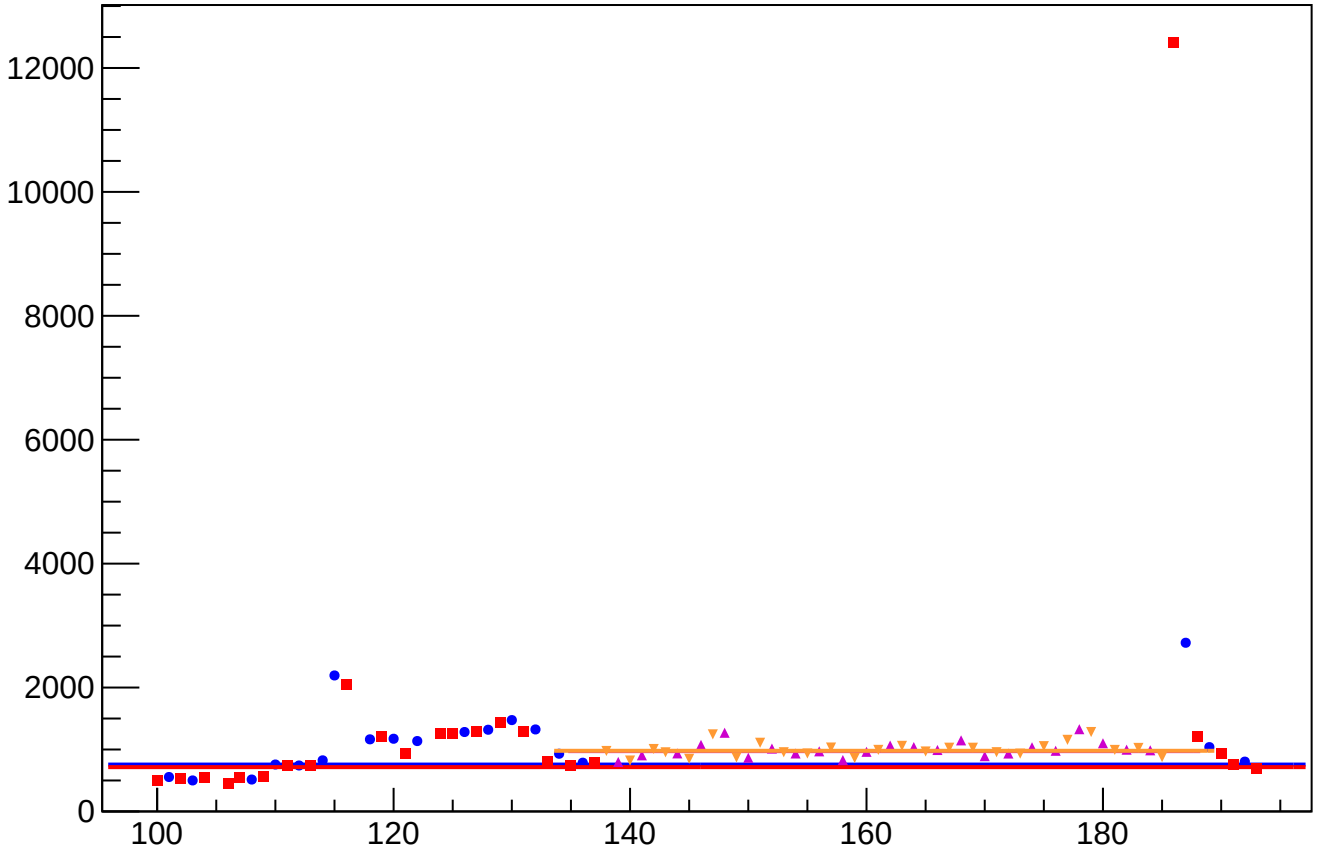
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -137.467+/-173.118 χ^2/NDF: 32.4/43

All: -190.523+/-120.361 χ^2/NDF: 93.1/90

- sign -240.164+/-167.455 χ^2/NDF: 60.5/46

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: 715.371+/-0.173 χ^2/NDF: 2890423.3/23

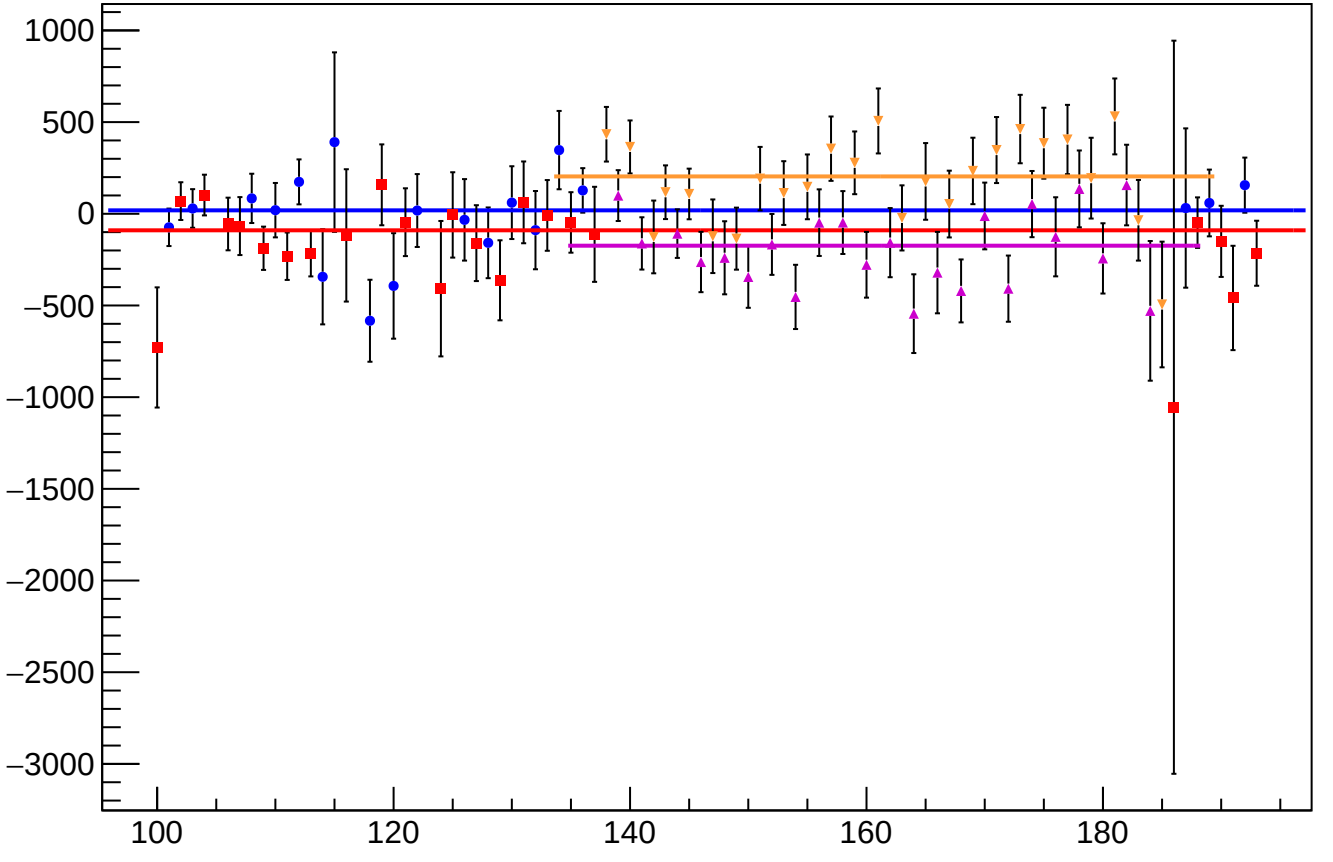
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 888.926+/-0.122 χ^2/NDF: 3342975.3/43

All: 870.170+/-0.085 χ^2/NDF: 7963859.0/90

- sign 852.622+/-0.118 χ^2/NDF: 4575445.0/46

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: -90.090+/-34.931 χ^2/NDF: 19.4/23

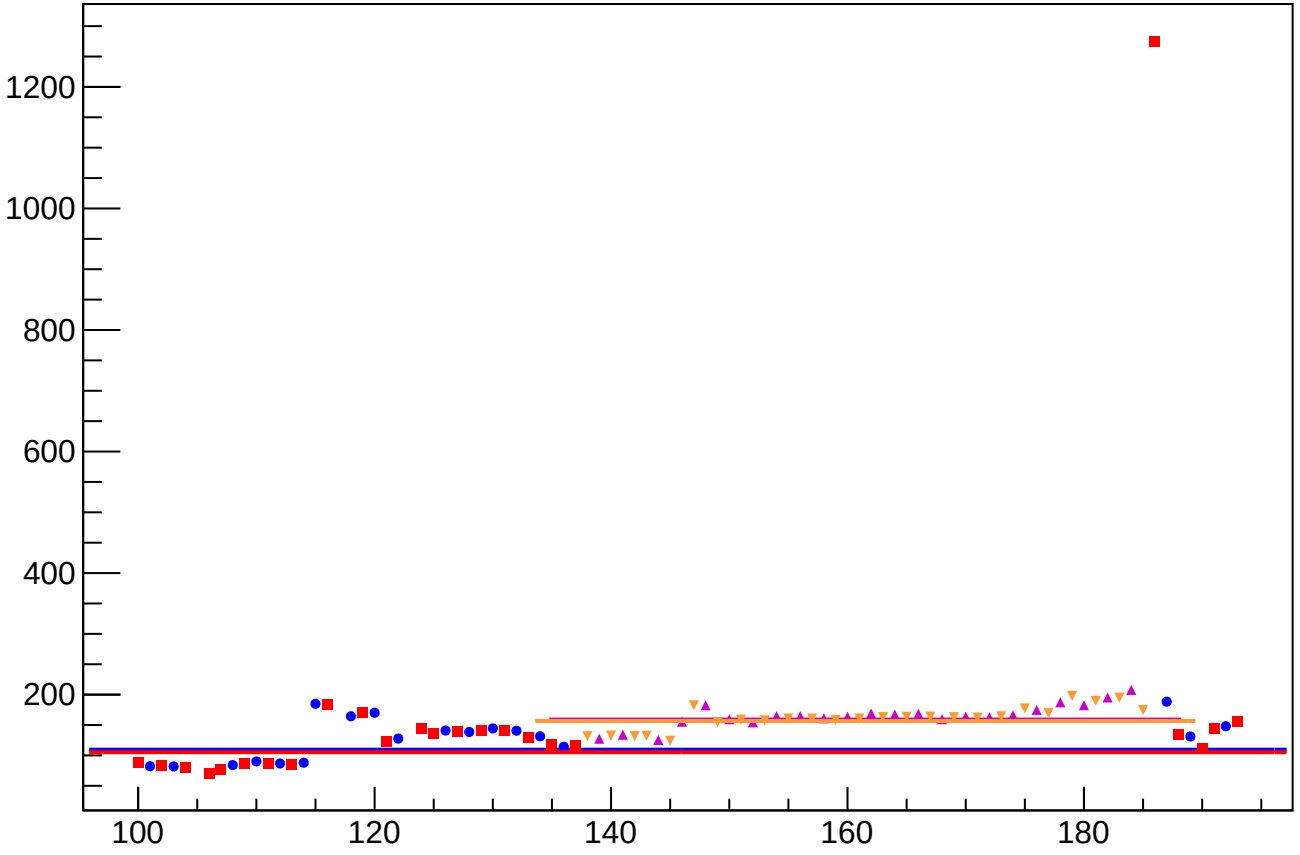
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 116.499+/-26.075 χ^2/NDF: 65.2/43

All: -8.930+/-18.242 χ^2/NDF: 157.1/90

- sign -129.168+/-25.530 χ^2/NDF: 46.6/46

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: 105.329+/-0.025 χ^2/NDF: 2061303.3/23

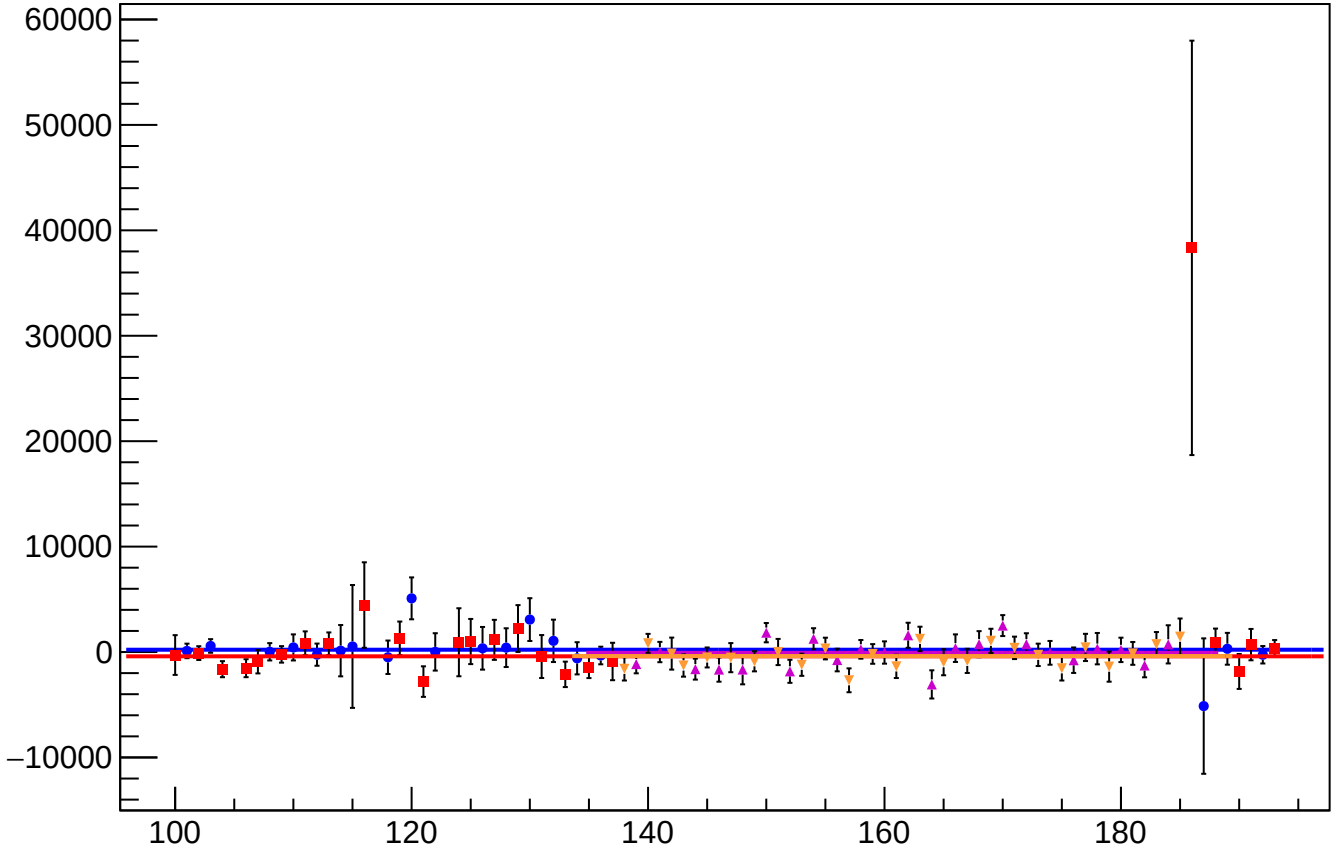
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.350+/-0.018 χ^2/NDF: 3401847.0/43

All: 132.287+/-0.013 χ^2/NDF: 8194563.4/90

- sign 130.308+/-0.018 χ^2/NDF: 4768174.7/46

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: -406.488+/-244.667 χ^2/NDF: 25.5/23

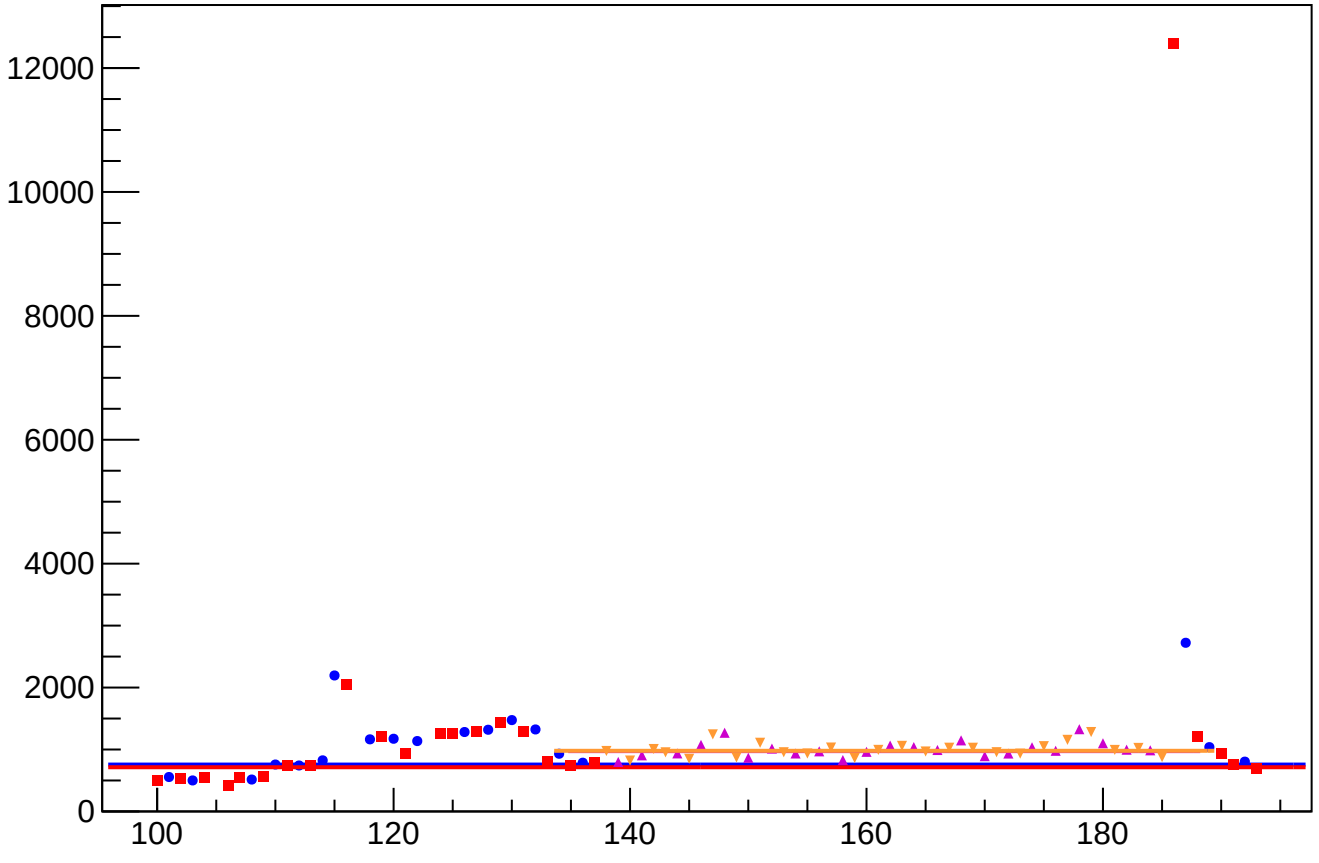
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -137.458+/-173.118 χ^2/NDF: 32.4/43

All: -185.287+/-120.377 χ^2/NDF: 92.1/90

- sign -230.060+/-167.498 χ^2/NDF: 59.5/46

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: 713.655+/-0.173 χ^2/NDF: 2925061.2/23

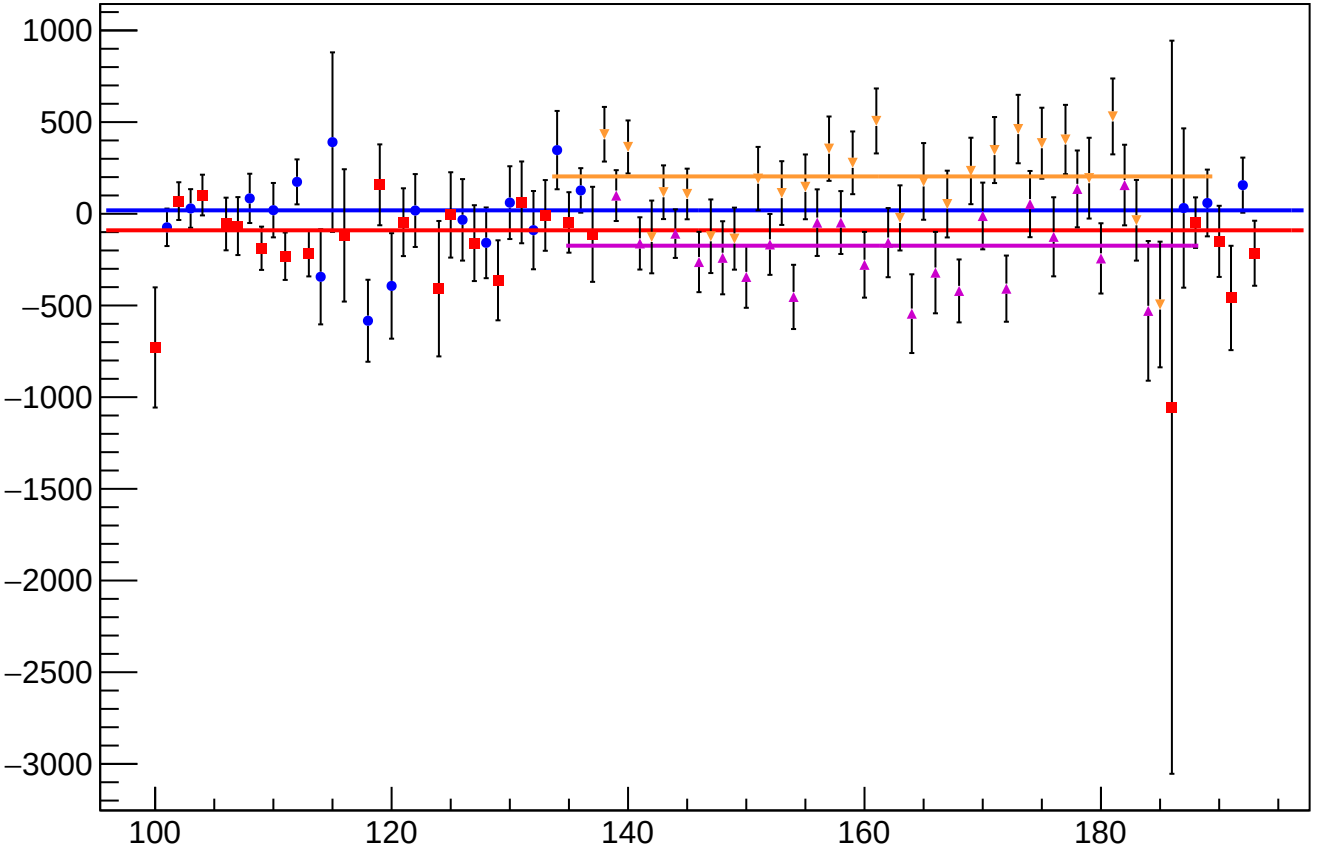
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 888.926+/-0.122 χ^2/NDF: 3342981.0/43

All: 869.795+/-0.085 χ^2/NDF: 8015463.5/90

- sign 851.887+/-0.118 χ^2/NDF: 4625198.7/46

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: -90.090+/-34.931 χ^2/NDF: 19.4/23

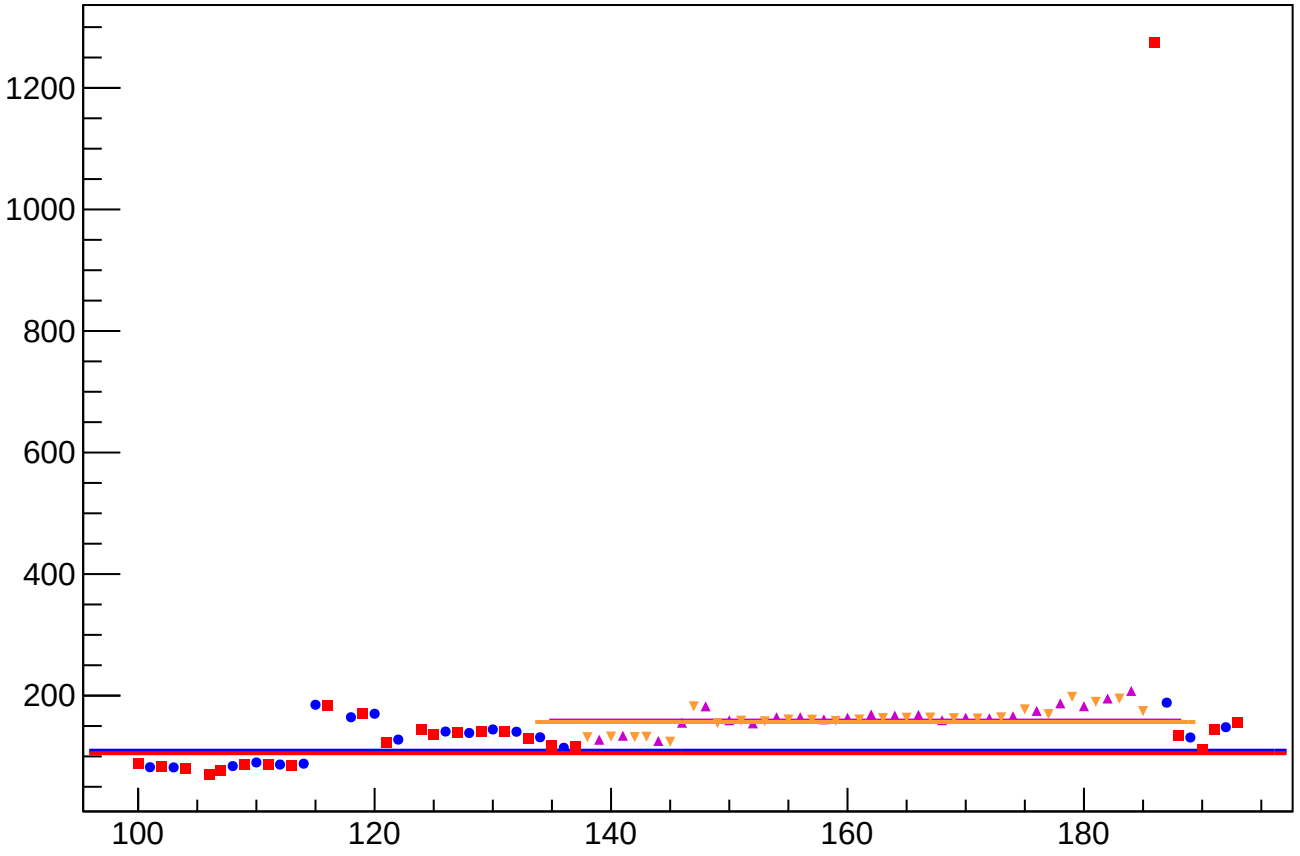
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 116.499+/-26.075 χ^2/NDF: 65.2/43

All: -8.930+/-18.242 χ^2/NDF: 157.1/90

- sign -129.168+/-25.530 χ^2/NDF: 46.6/46

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: 105.329+/-0.025 χ^2/NDF: 2061303.3/23

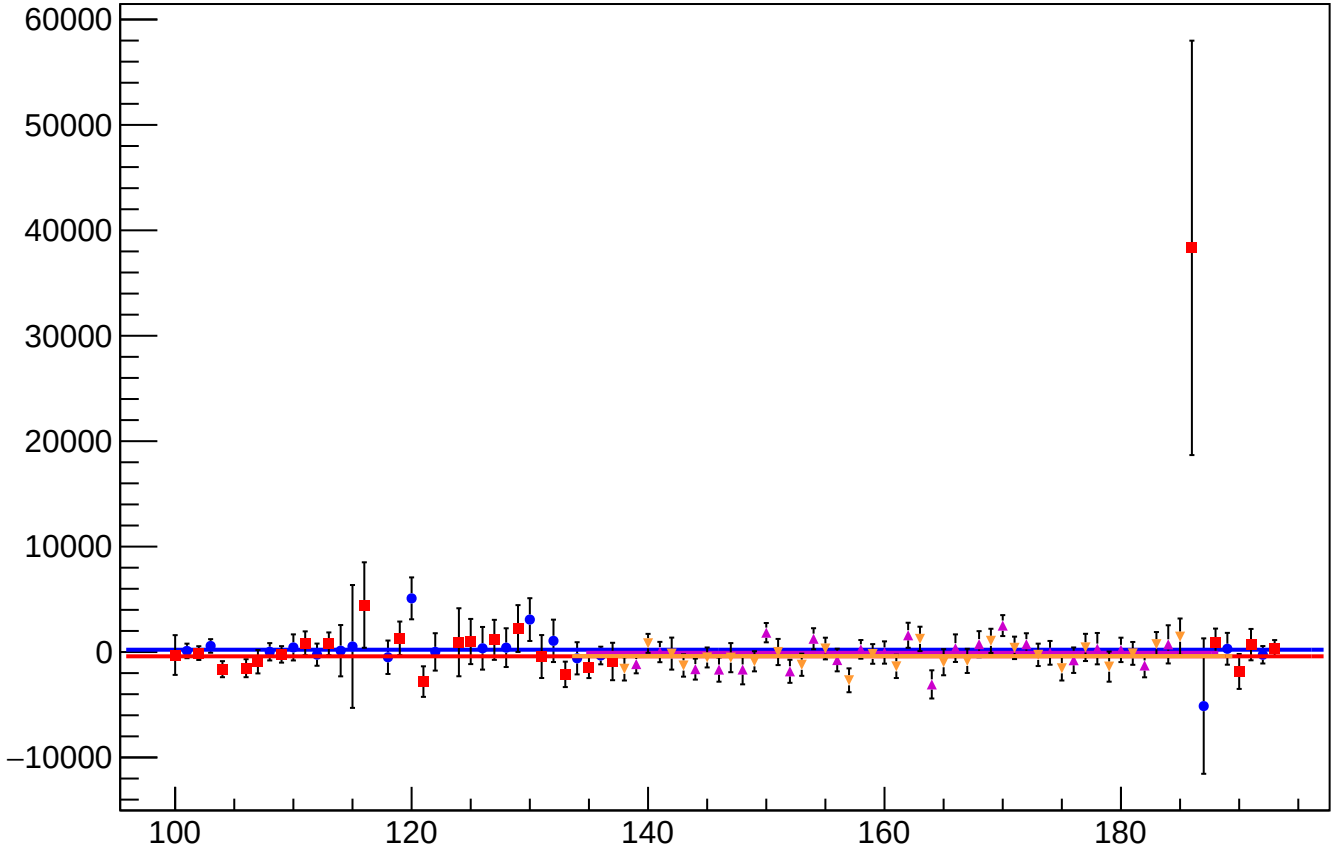
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.350+/-0.018 χ^2/NDF: 3401847.0/43

All: 132.287+/-0.013 χ^2/NDF: 8194563.4/90

- sign 130.308+/-0.018 χ^2/NDF: 4768174.7/46

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: -406.488+/-244.667 χ^2/NDF: 25.5/23

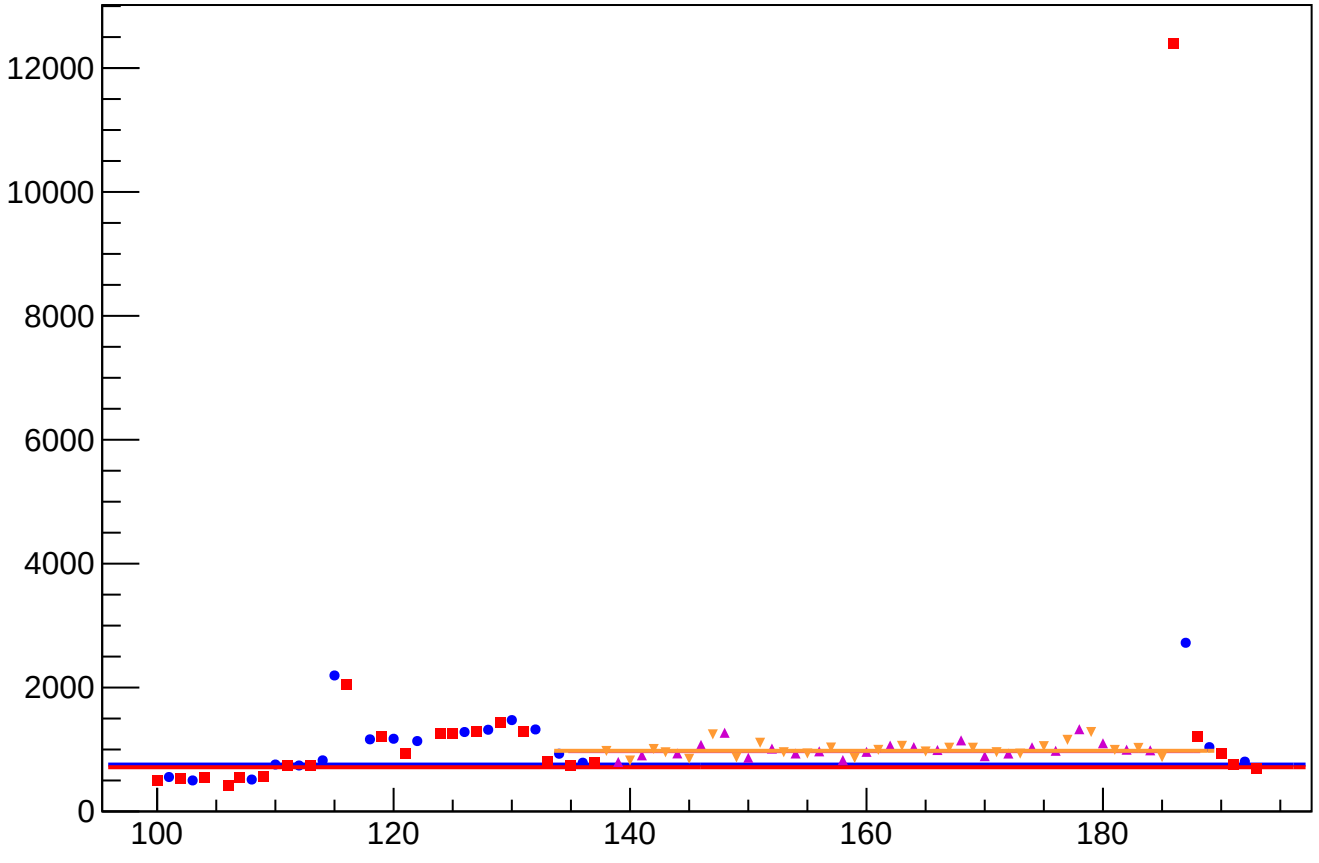
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -137.458+/-173.118 χ^2/NDF: 32.4/43

All: -185.287+/-120.377 χ^2/NDF: 92.1/90

- sign -230.060+/-167.498 χ^2/NDF: 59.5/46

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: 713.655+/-0.173 χ^2/NDF: 2925061.2/23

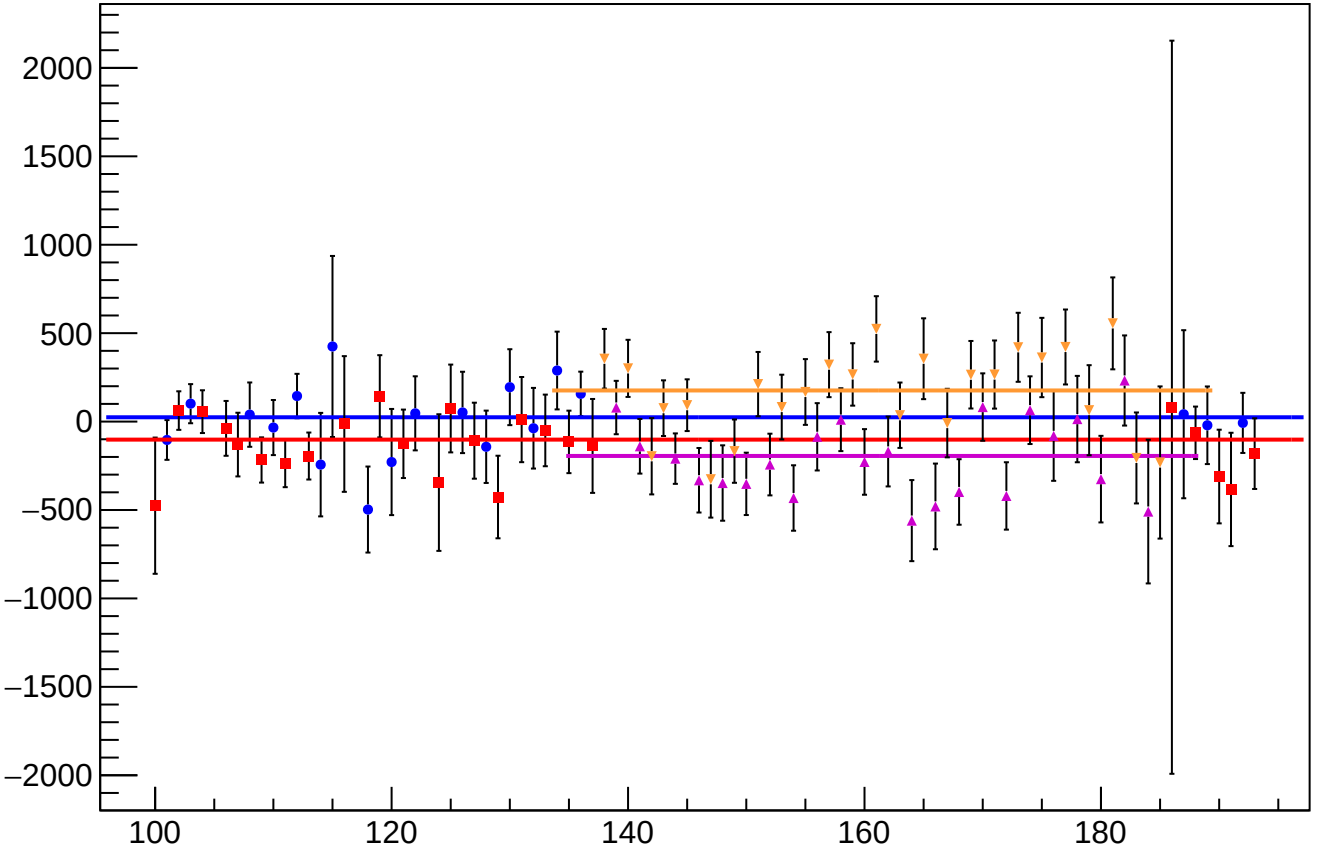
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 888.926+/-0.122 χ^2/NDF: 3342981.0/43

All: 869.795+/-0.085 χ^2/NDF: 8015463.5/90

- sign 851.887+/-0.118 χ^2/NDF: 4625198.7/46

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: -101.978+/-37.710 χ^2/NDF: 13.4/23

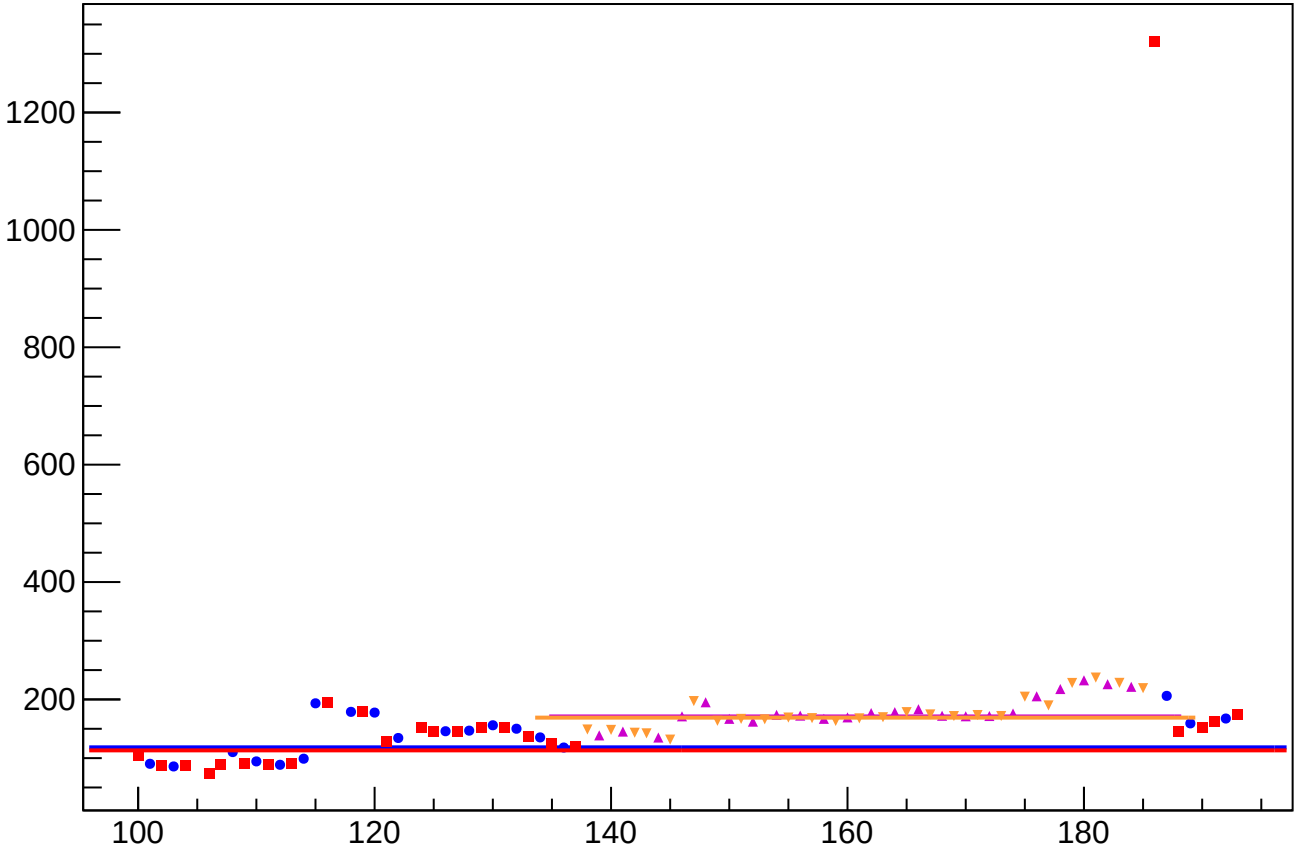
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 104.629+/-28.253 χ^2/NDF: 51.6/43

All: -23.275+/-19.729 χ^2/NDF: 131.6/90

- sign -144.992+/-27.562 χ^2/NDF: 40.0/46

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: 113.237+/-0.027 χ^2/NDF: 2114278.3/23

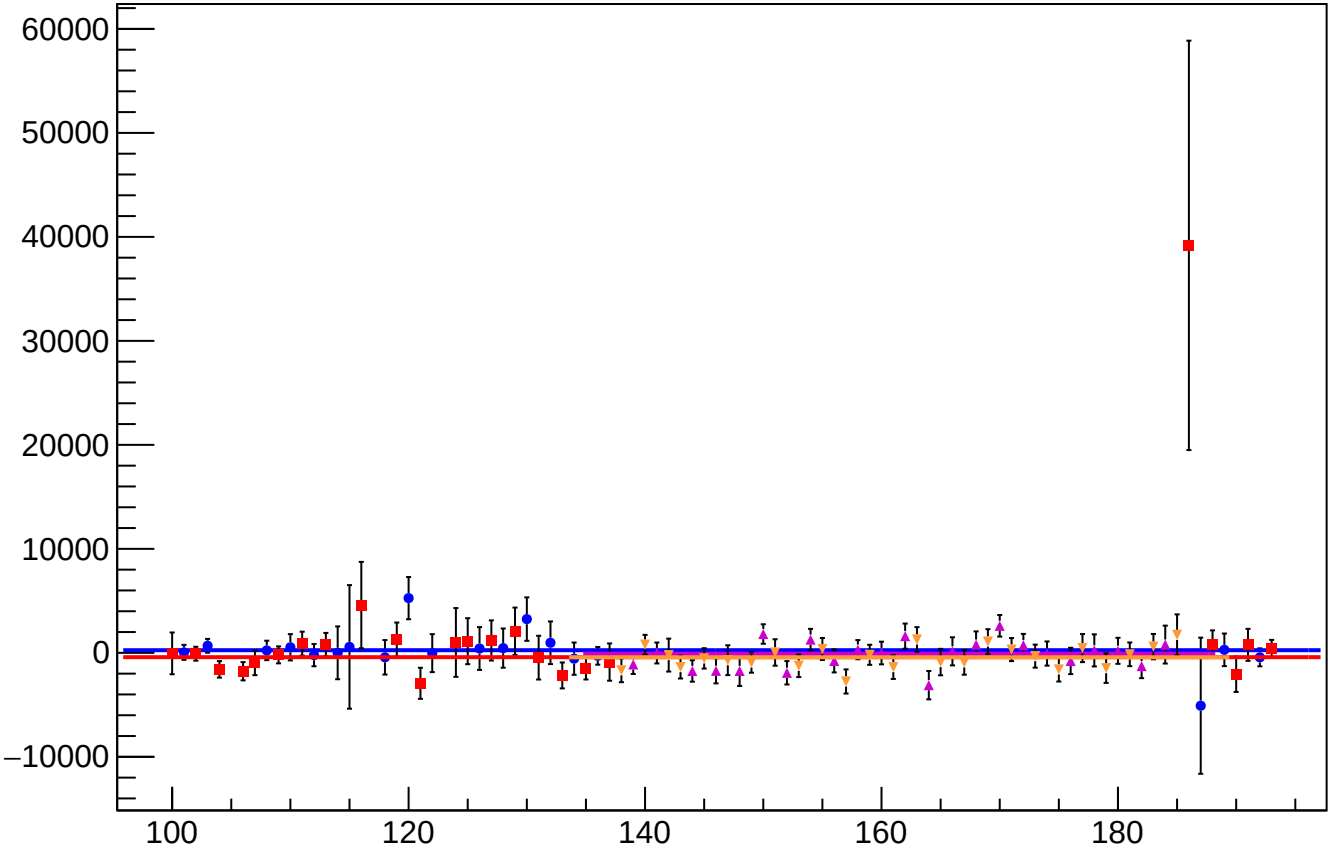
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 145.175+/-0.020 χ^2/NDF: 3582908.3/43

All: 142.602+/-0.014 χ^2/NDF: 8595156.2/90

- sign 140.153+/-0.019 χ^2/NDF: 4979864.3/46

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: -417.419+/-253.457 χ^2/NDF: 26.0/23

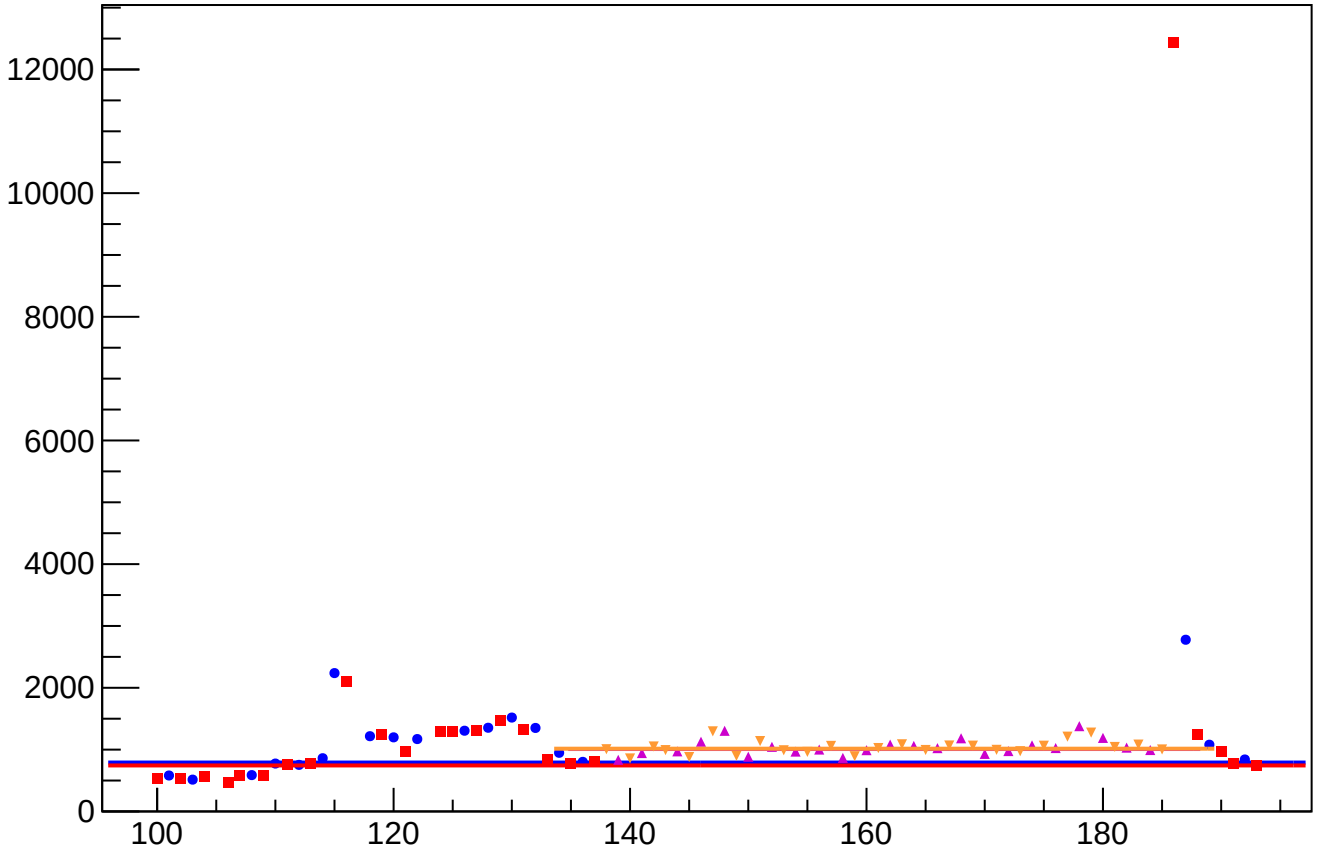
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -151.974+/-179.633 χ^2/NDF: 33.0/43

All: -198.360+/-124.817 χ^2/NDF: 92.5/90

- sign -241.662+/-173.559 χ^2/NDF: 59.3/46

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: 744.177+/-0.179 χ^2/NDF: 2818344.9/23

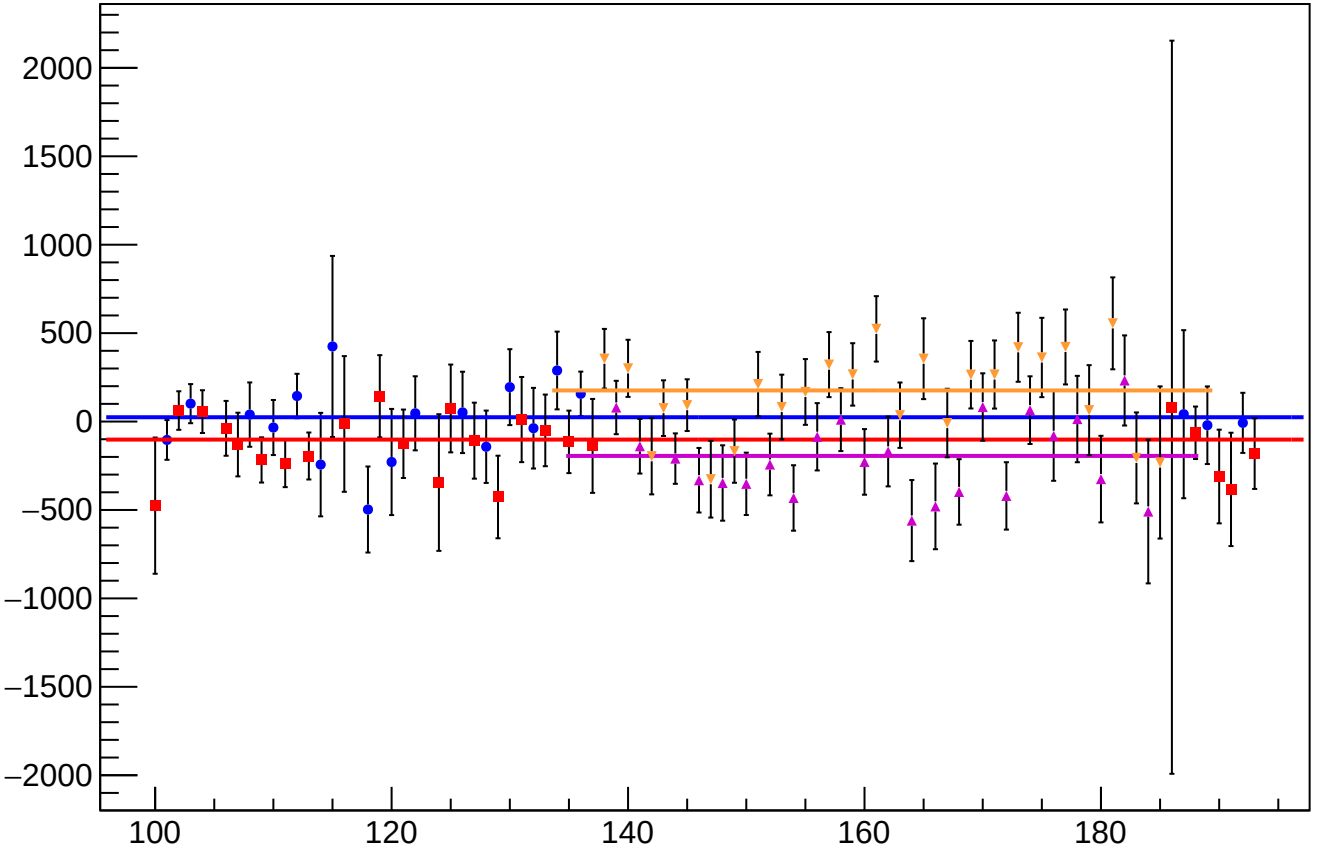
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 924.679+/-0.127 χ^2/NDF: 3154738.6/43

All: 904.250+/-0.088 χ^2/NDF: 7687365.5/90

- sign 885.181+/-0.123 χ^2/NDF: 4482616.1/46

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: -101.978+/-37.709 χ^2/NDF: 13.4/23

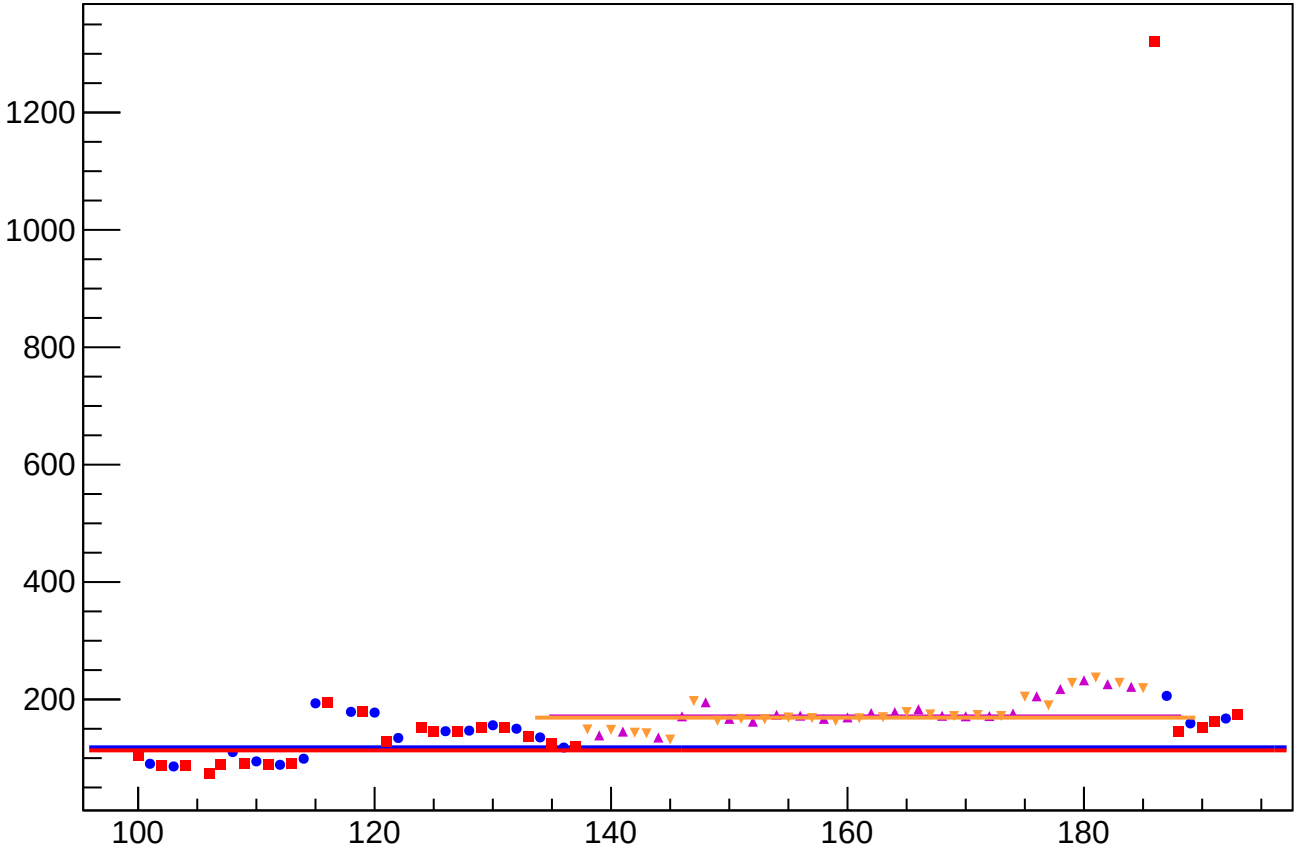
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 104.629+/-28.253 χ^2/NDF: 51.6/43

All: -23.275+/-19.729 χ^2/NDF: 131.6/90

- sign -144.992+/-27.562 χ^2/NDF: 40.0/46

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: 113.237+/-0.027 χ^2/NDF: 2114272.3/23

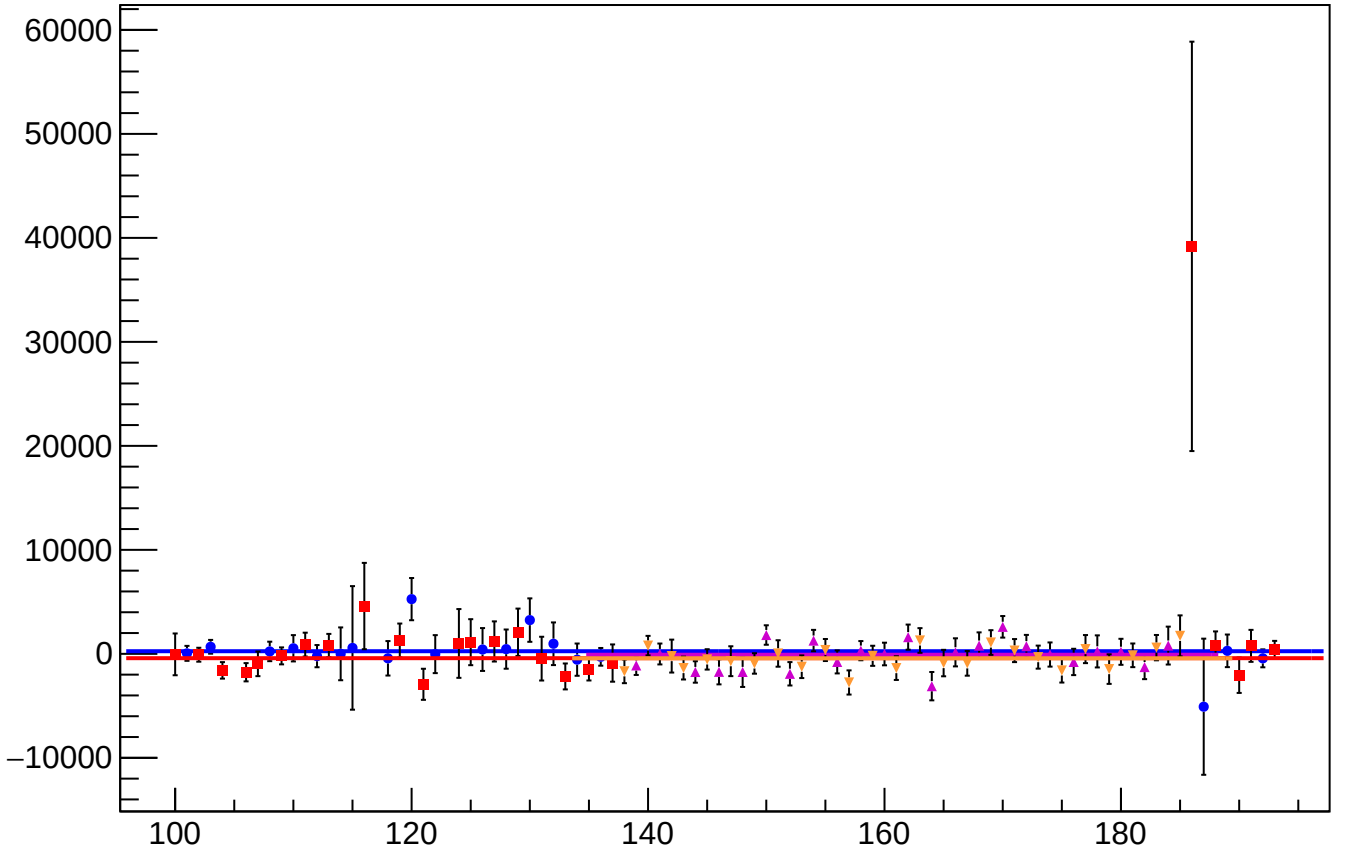
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 145.175+/-0.020 χ^2/NDF: 3582926.9/43

All: 142.601+/-0.014 χ^2/NDF: 8595193.3/90

- sign 140.152+/-0.019 χ^2/NDF: 4979883.6/46

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: -417.420+/-253.457 χ^2/NDF: 26.0/23

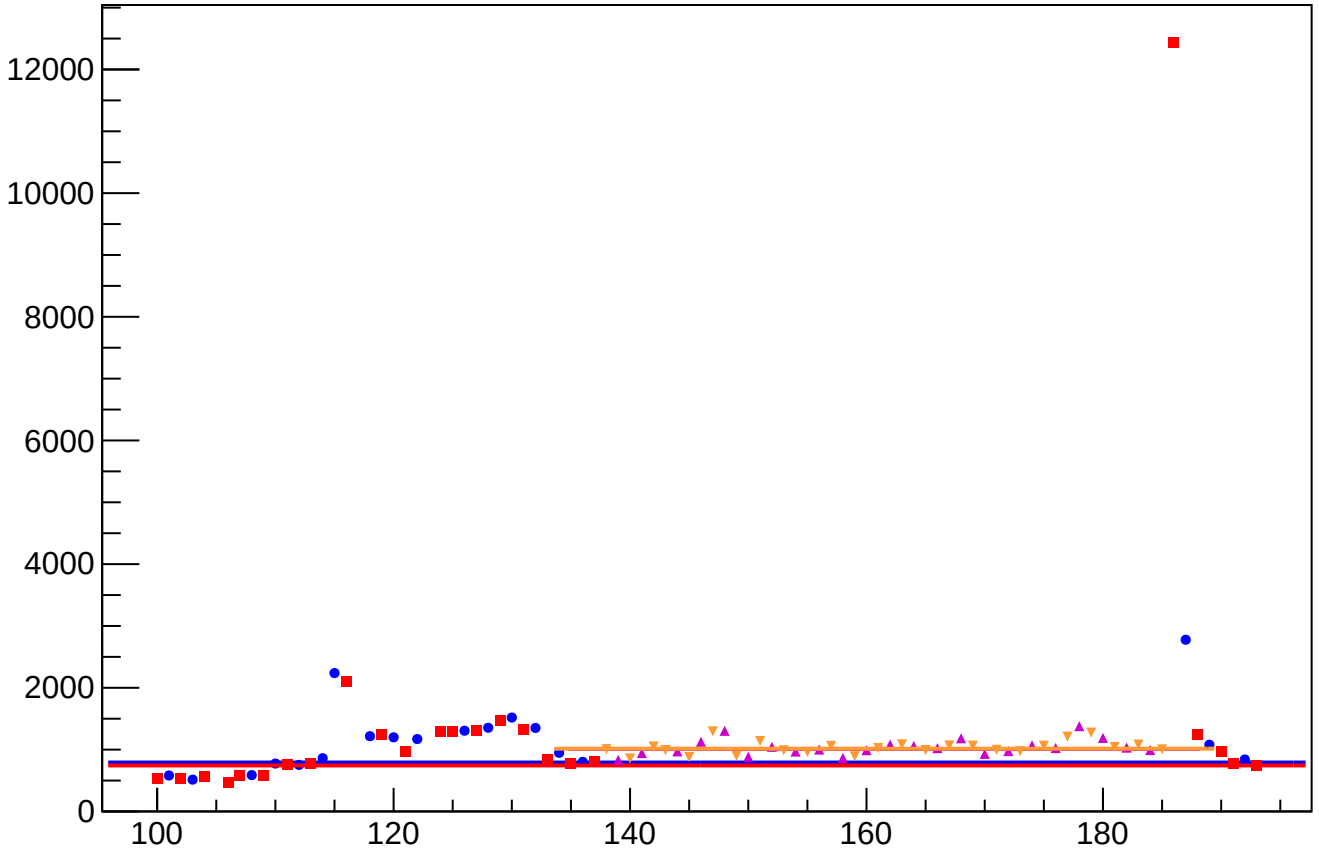
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -151.973+/-179.633 χ^2/NDF: 33.0/43

All: -198.360+/-124.817 χ^2/NDF: 92.5/90

- sign -241.663+/-173.559 χ^2/NDF: 59.3/46

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: 744.176+/-0.179 χ^2/NDF: 2818343.1/23

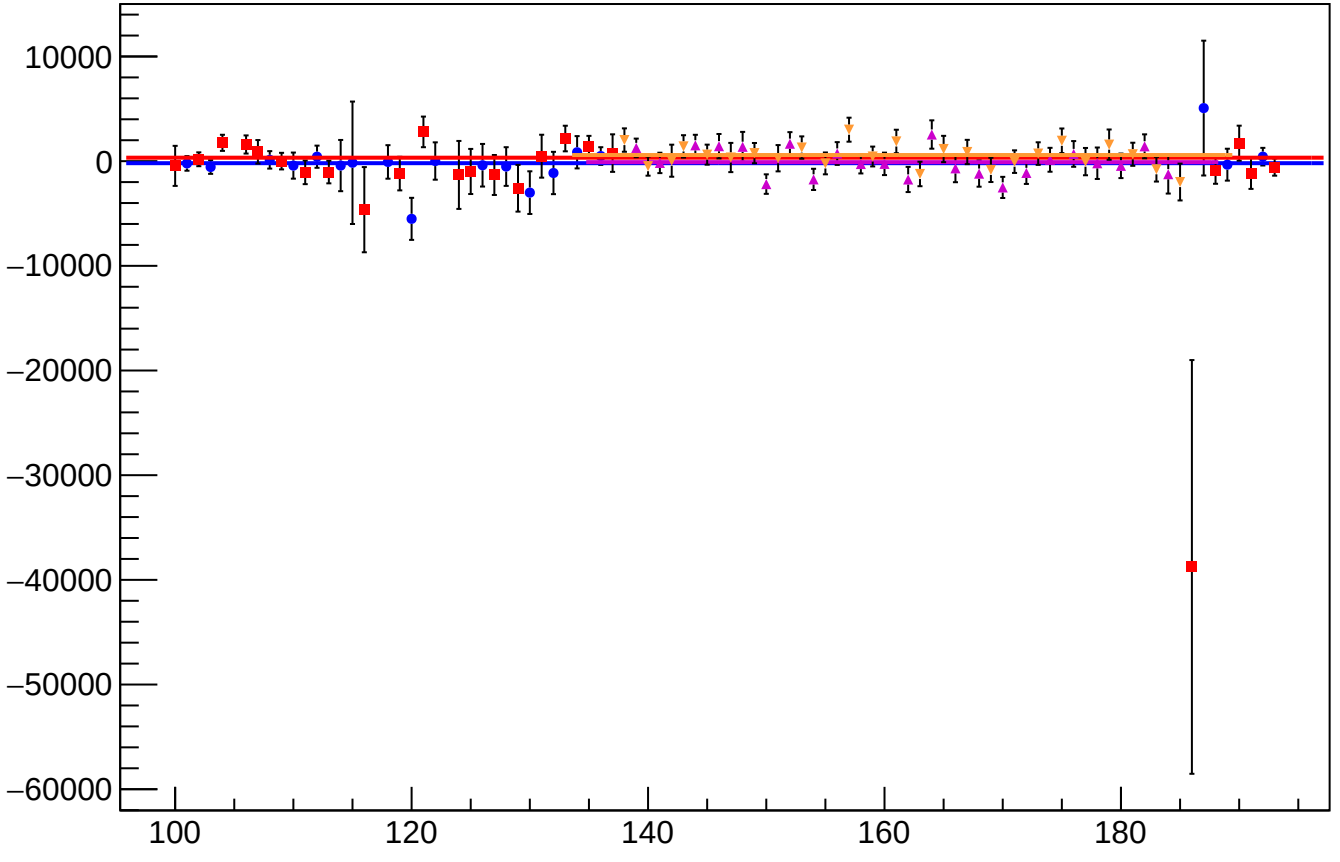
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 924.679+/-0.127 χ^2/NDF: 3154751.0/43

All: 904.250+/-0.088 χ^2/NDF: 7687396.2/90

- sign 885.180+/-0.123 χ^2/NDF: 4482634.2/46

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: 331.706+/-247.733 χ^2/NDF: 28.5/23

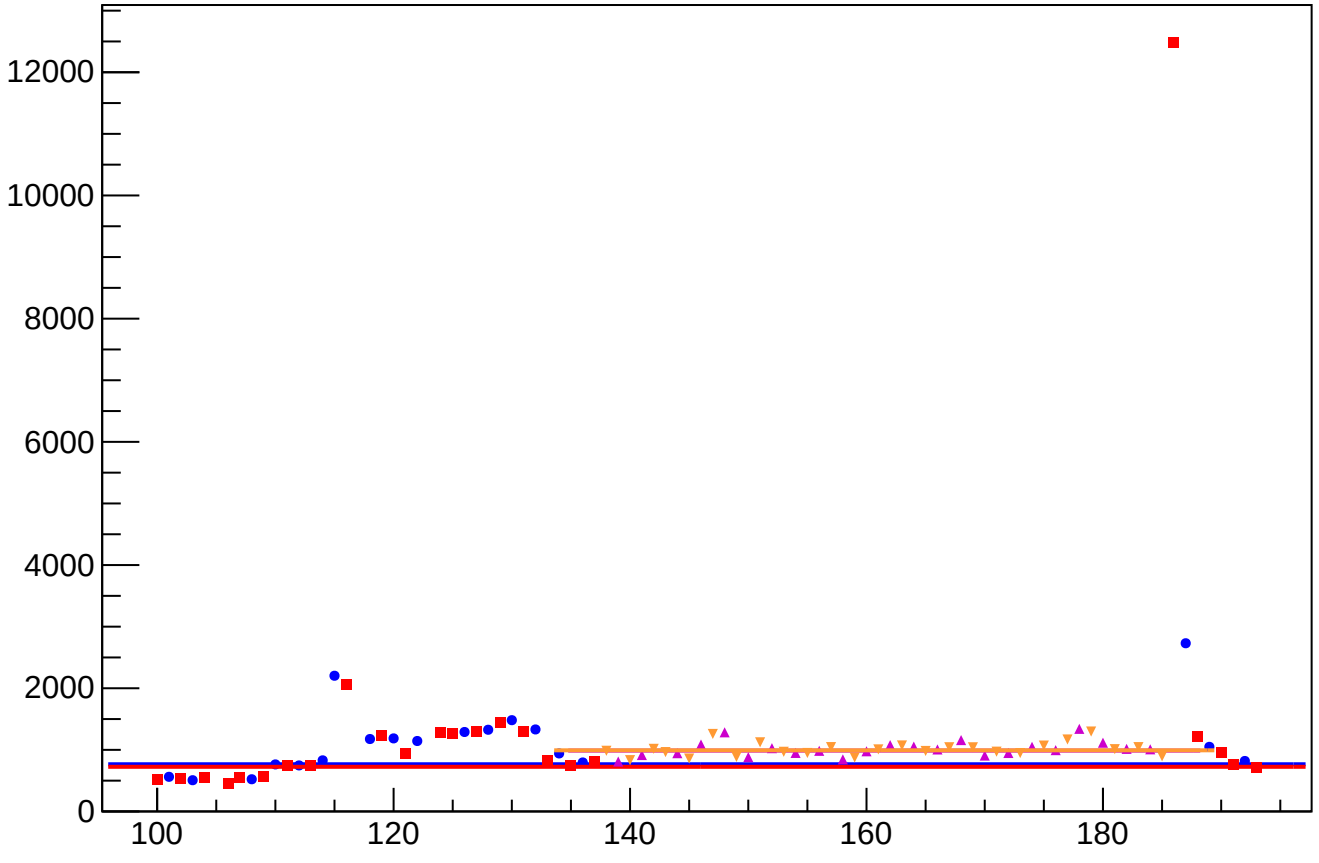
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 269.337+/-175.329 χ^2/NDF: 37.9/43

All: 185.295+/-121.950 χ^2/NDF: 102.9/90

- sign 106.533+/-169.733 χ^2/NDF: 64.6/46

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: 724.980+/-0.175 χ^2/NDF: 2870596.0/23

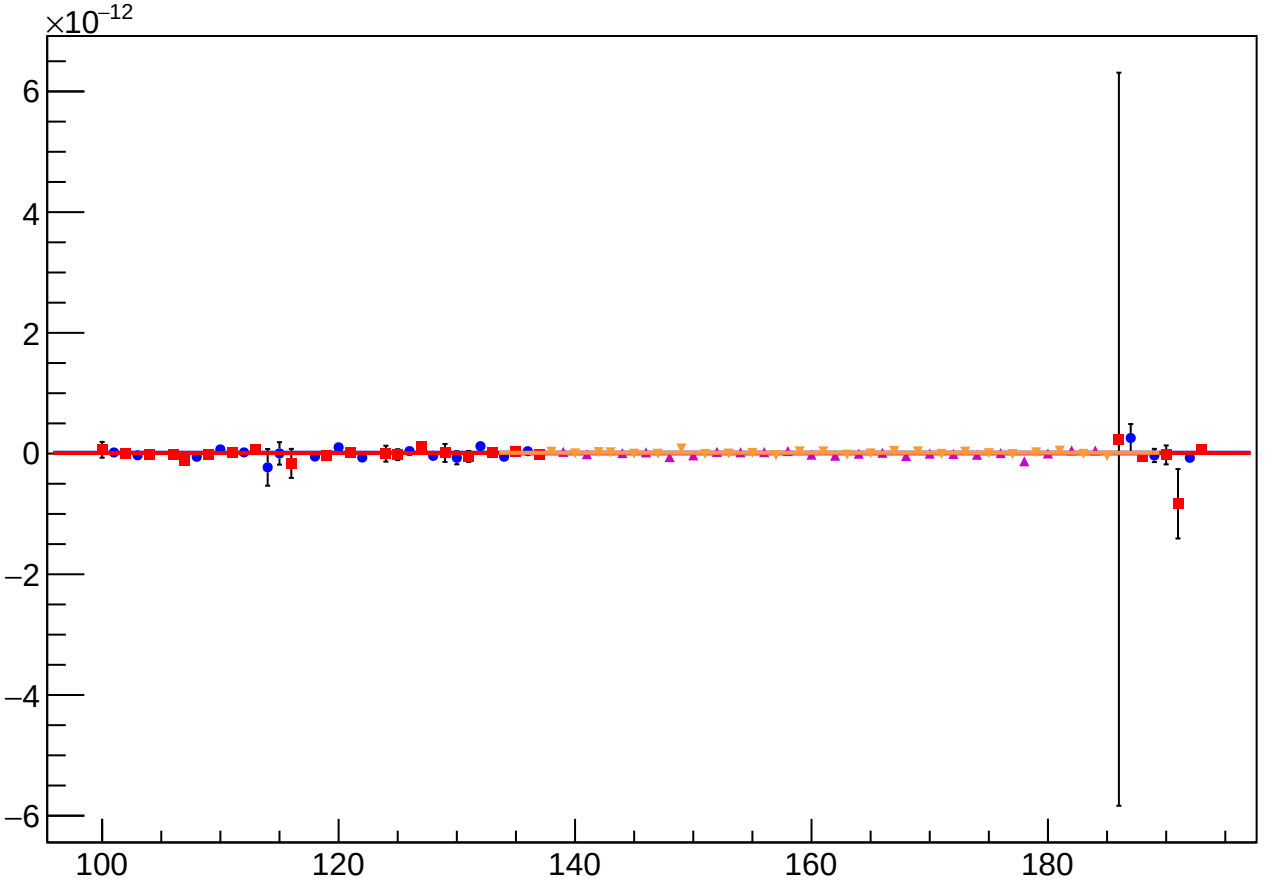
Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 900.562+/-0.124 χ^2/NDF: 3324442.0/43

All: 881.904+/-0.086 χ^2/NDF: 7920843.4/90

- sign 864.418+/-0.120 χ^2/NDF: 4552525.2/46

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

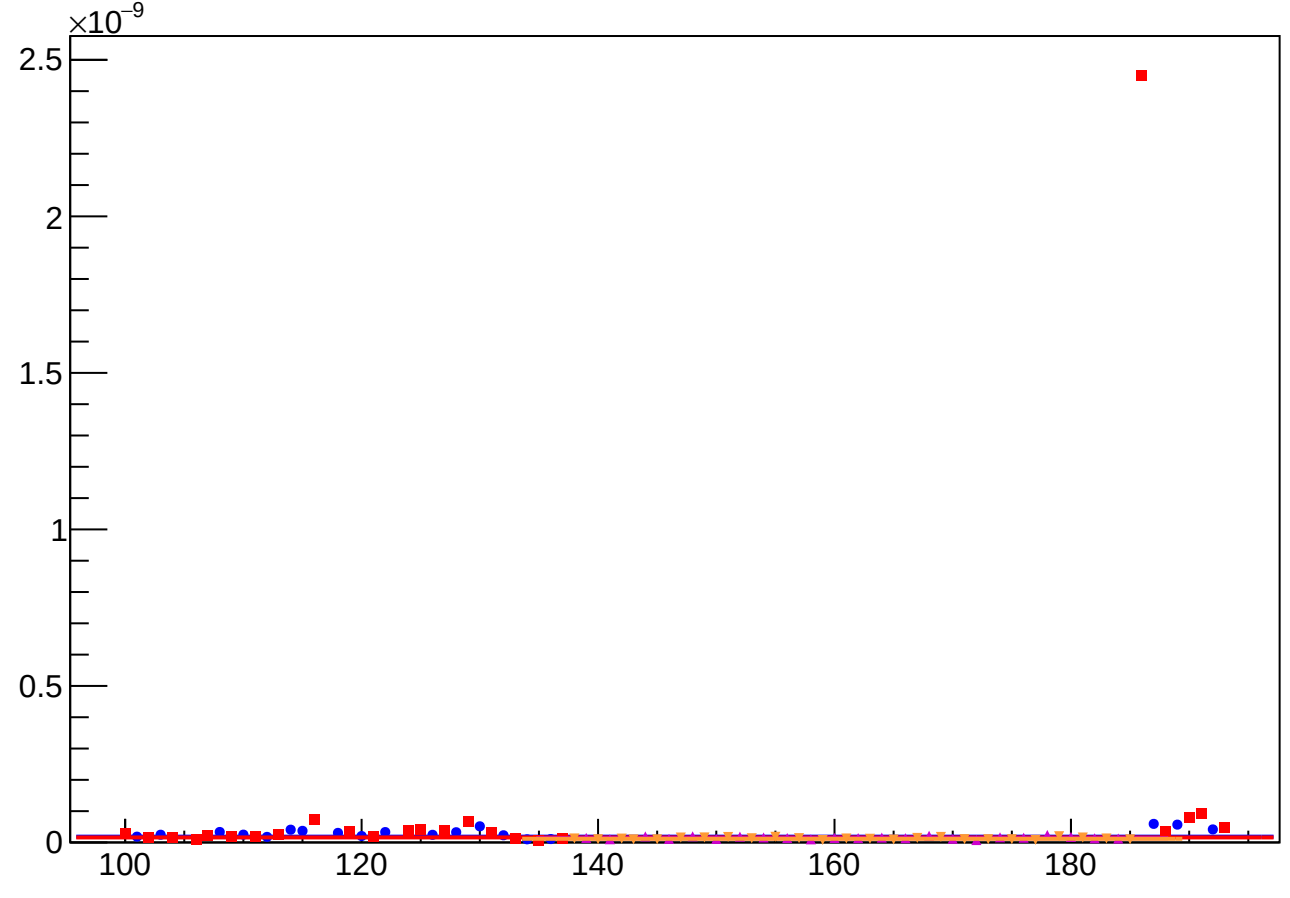
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/23

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: 92.8/90

- sign 0.000+/-0.000 χ^2/NDF: 46.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 1704518.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

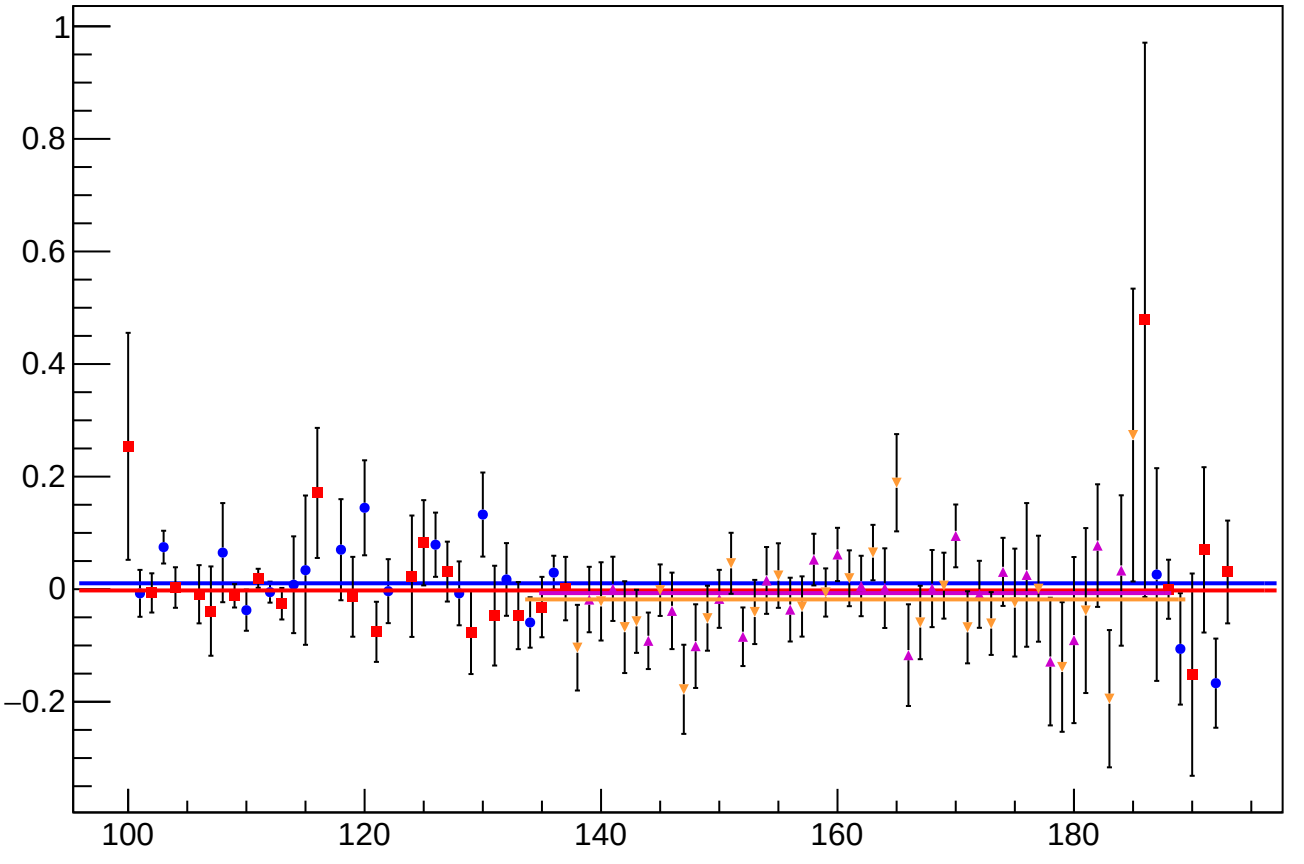
Right Out: 0.000+/-0.000 χ^2/NDF: 3094032.2/23

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: 7331656.6/90

- sign 0.000+/-0.000 χ^2/NDF: 4071506.7/46



Right In: 0.010+/-0.010 χ^2/NDF: 24.4/18

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 14.5/23

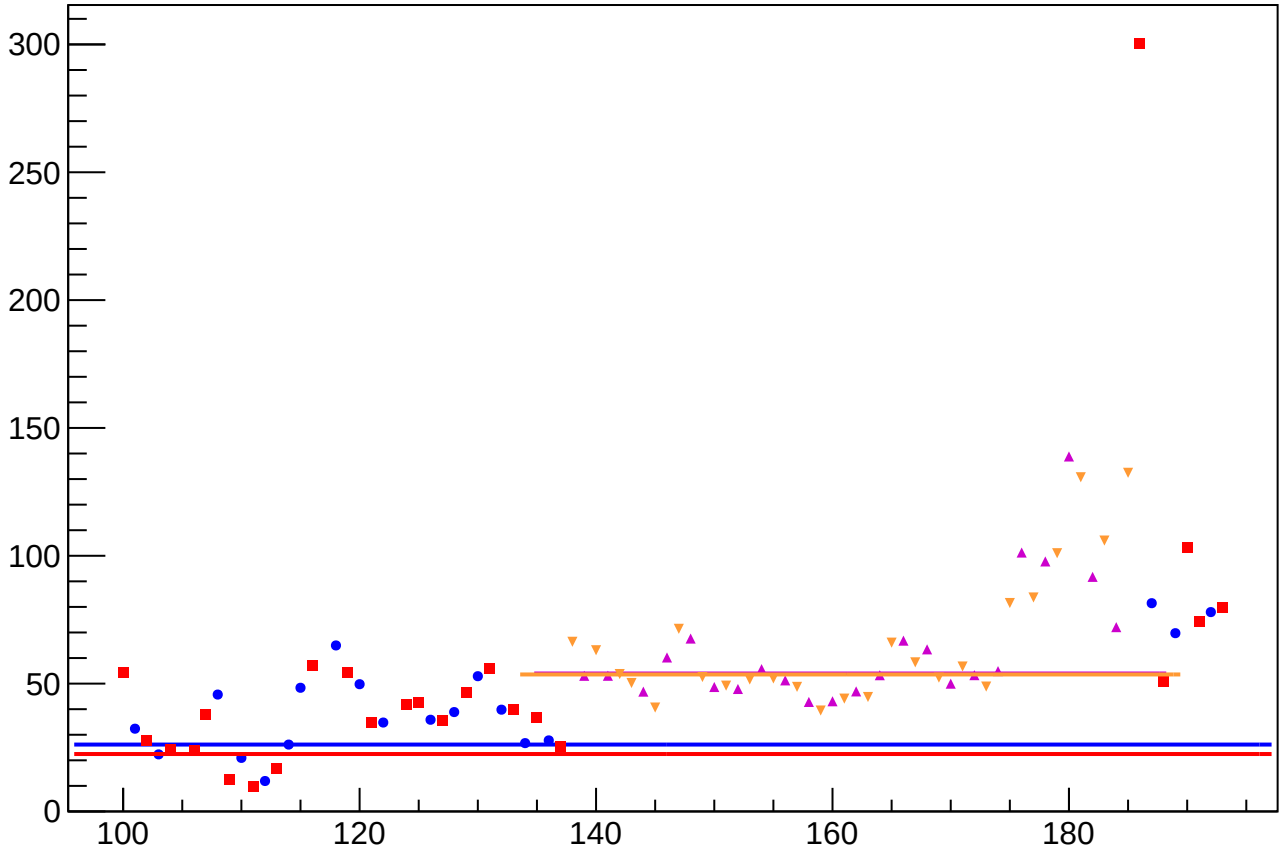
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/43

All: -0.002+/-0.005 χ^2/NDF: 85.0/90

- sign -0.004+/-0.007 χ^2/NDF: 33.3/46

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: 22.463+/-0.006 χ^2/NDF: 6338419.3/23

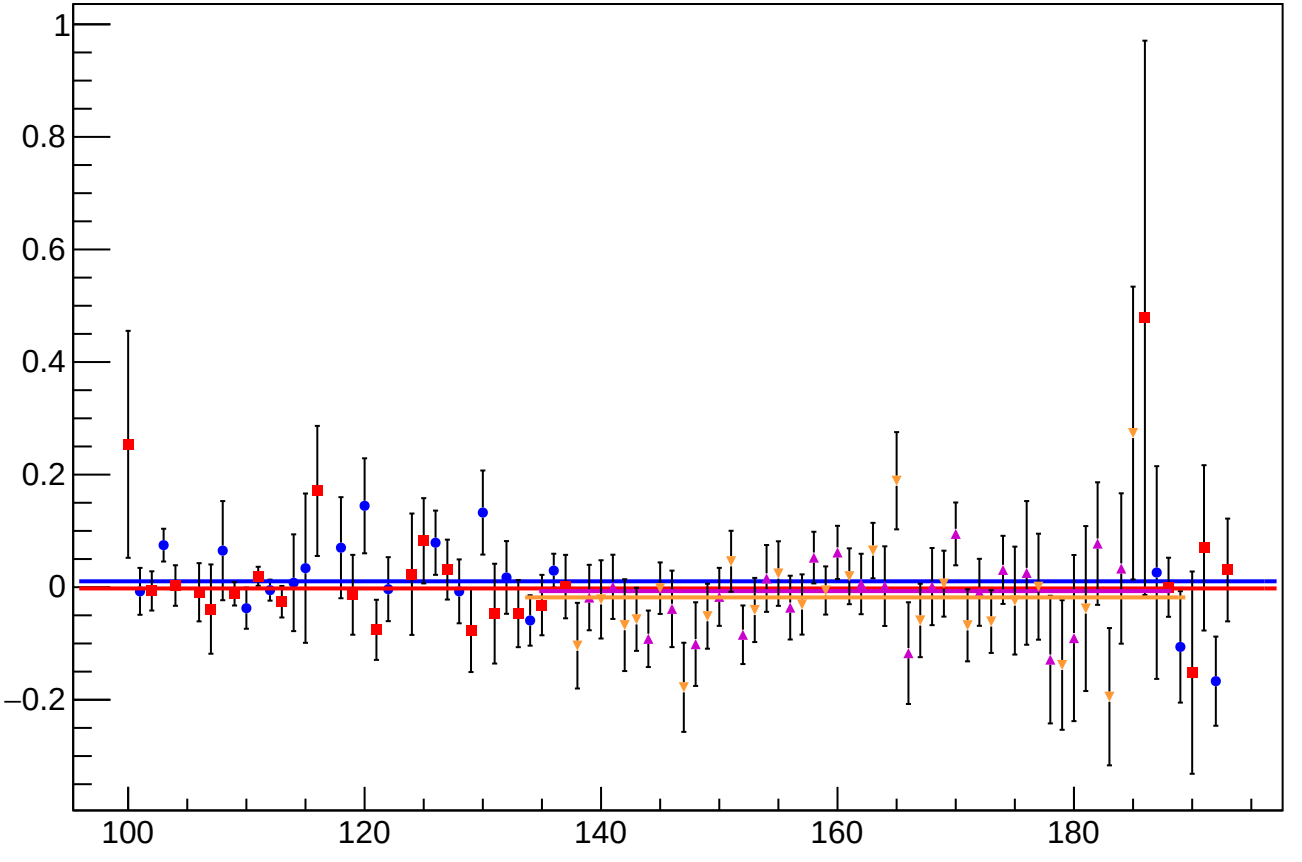
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

\+ sign 37.091+/-0.006 χ^2/NDF: 12106087.7/43

All: 34.598+/-0.004 χ^2/NDF: 28608455.7/90

\- sign 32.485+/-0.005 χ^2/NDF: 16150778.9/46

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: -0.002+/-0.009 χ^2/NDF: 14.5/23

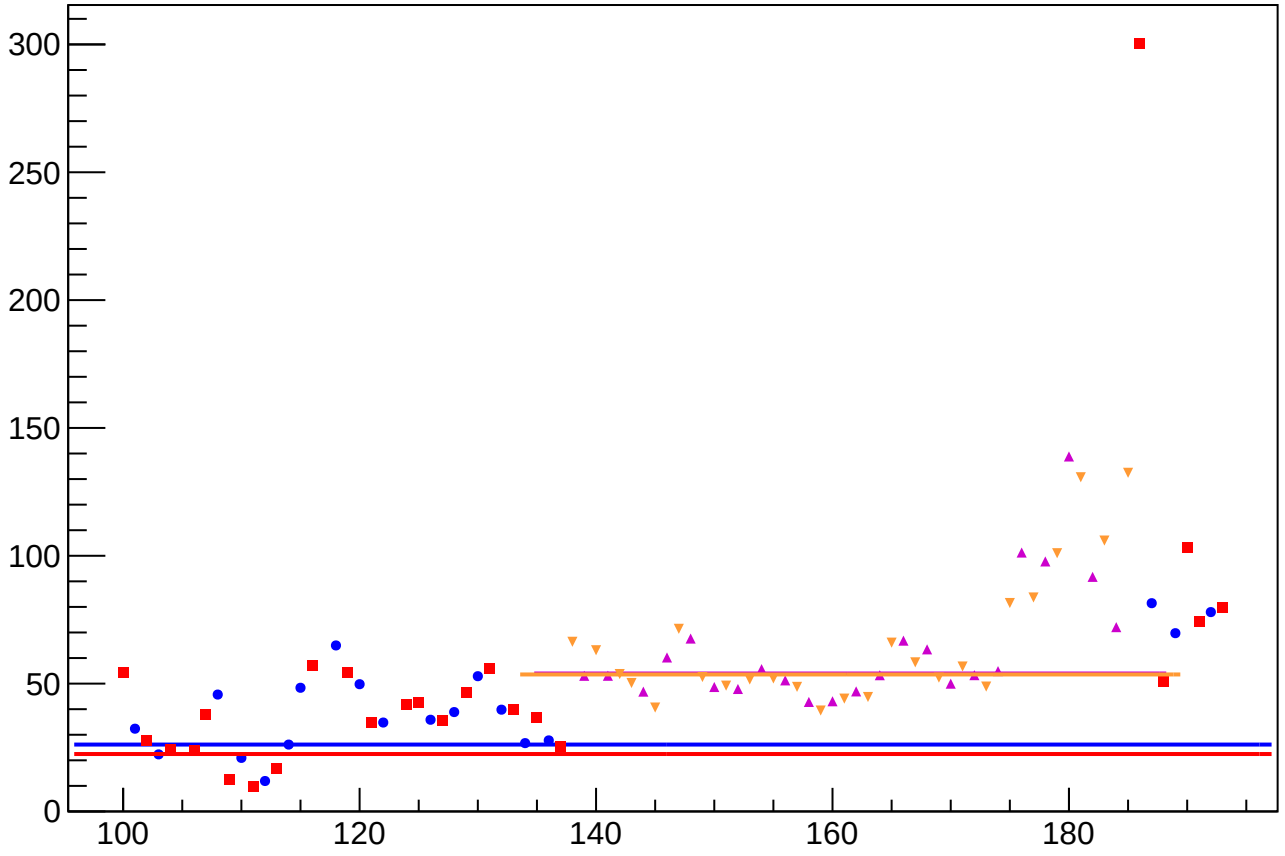
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/43

All: -0.002+/-0.005 χ^2/NDF: 85.0/90

- sign -0.004+/-0.007 χ^2/NDF: 33.3/46

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

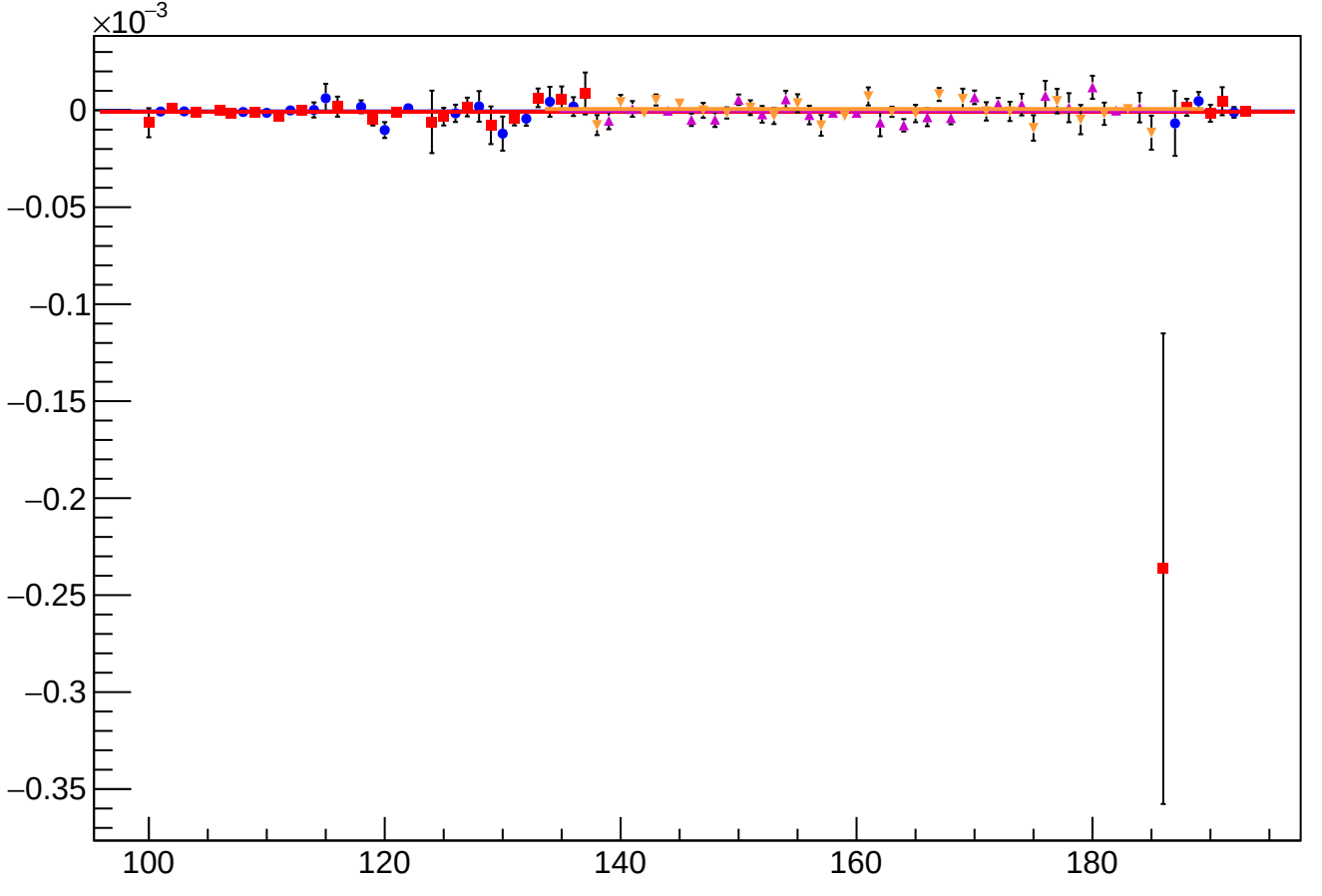
Right Out: 22.463+/-0.006 χ^2/NDF: 6338419.3/23

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 37.091+/-0.006 χ^2/NDF: 12106087.7/43

All: 34.598+/-0.004 χ^2/NDF: 28608455.7/90

- sign 32.485+/-0.005 χ^2/NDF: 16150778.9/46



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: 16.5/23

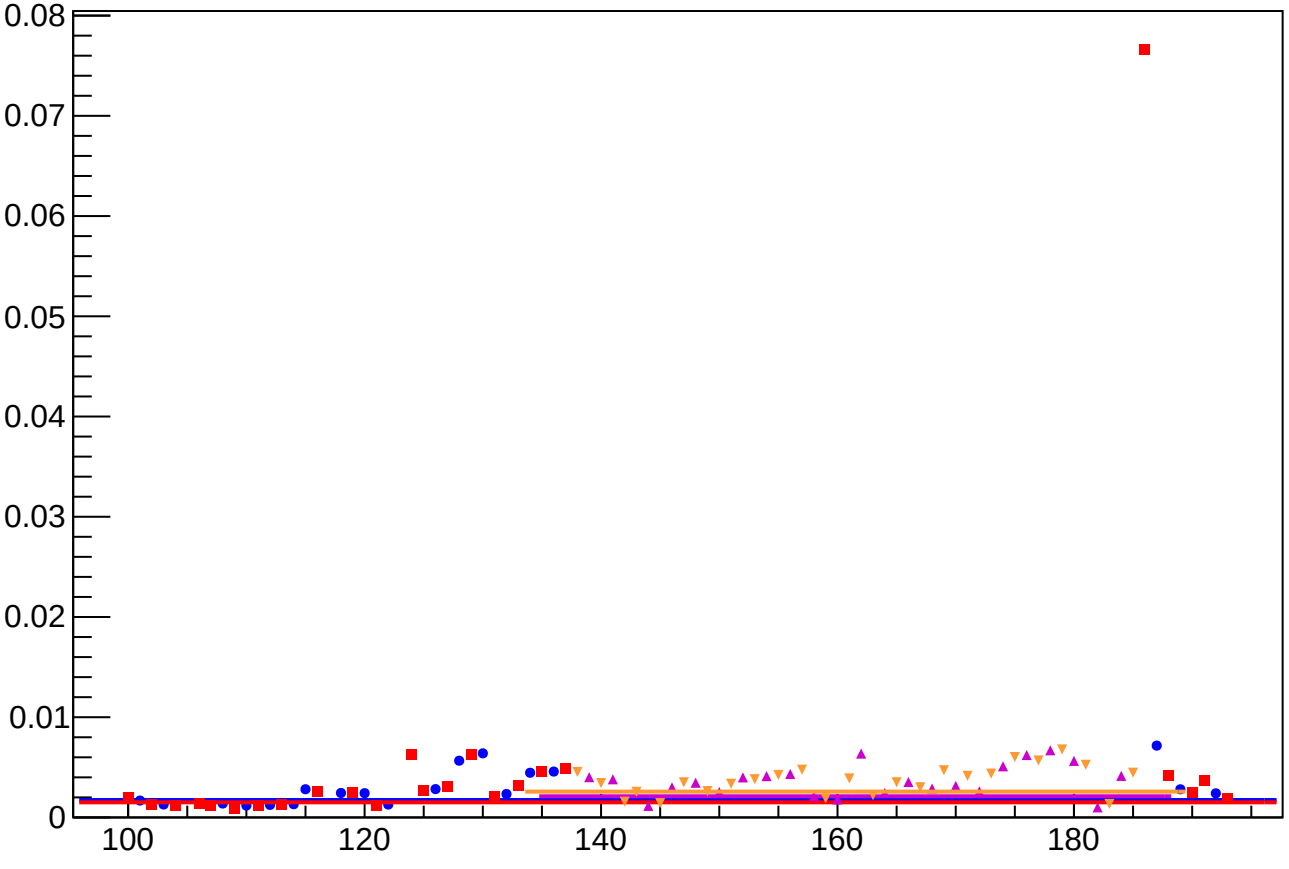
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.5/43

All: -0.000+/-0.000 χ^2/NDF: 94.2/90

- sign -0.000+/-0.000 χ^2/NDF: 47.8/46

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: 0.002+/-0.000 χ^2/NDF: 4822010.2/23

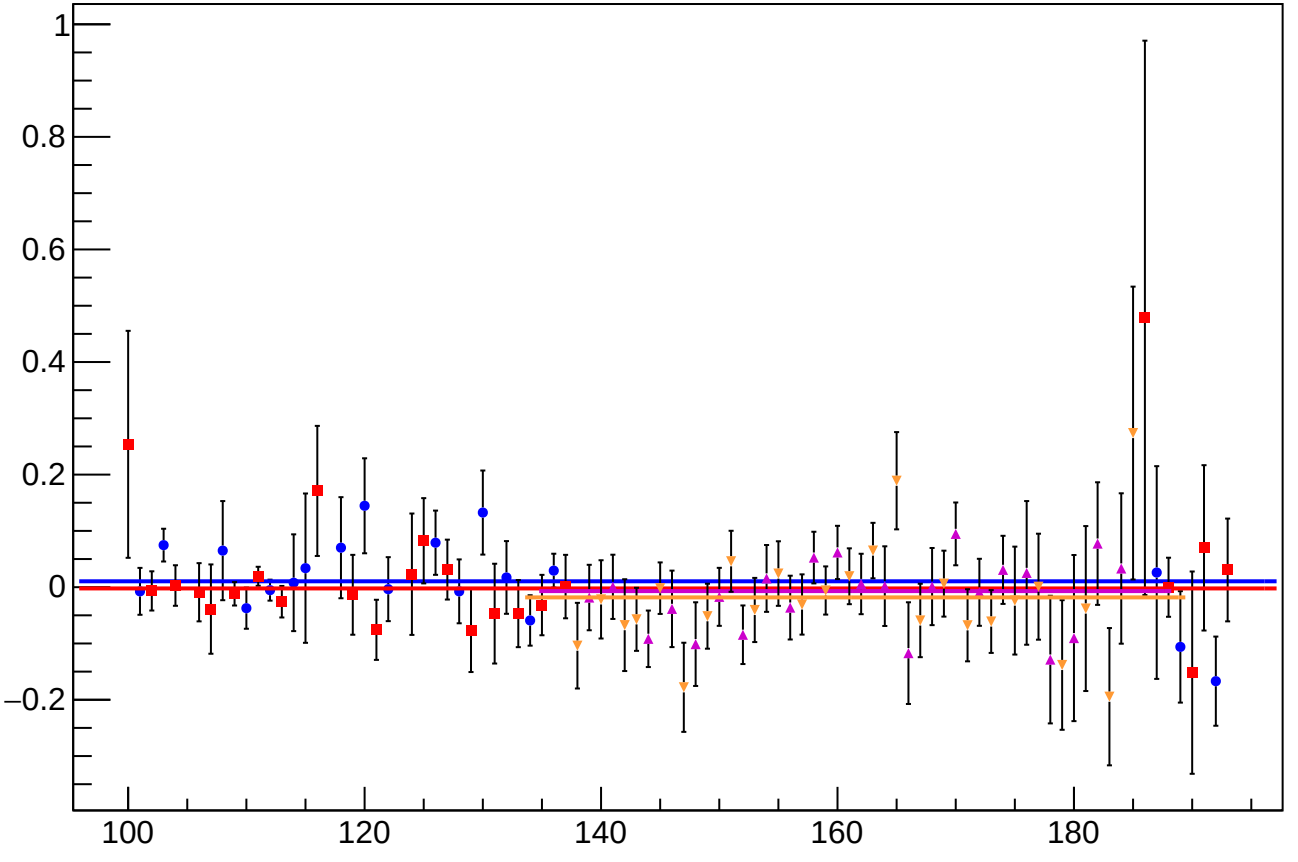
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12095082.5/43

All: 0.002+/-0.000 χ^2/NDF: 28221463.5/90

- sign 0.002+/-0.000 χ^2/NDF: 15434757.2/46

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: -0.002+/-0.009 χ^2/NDF: 14.5/23

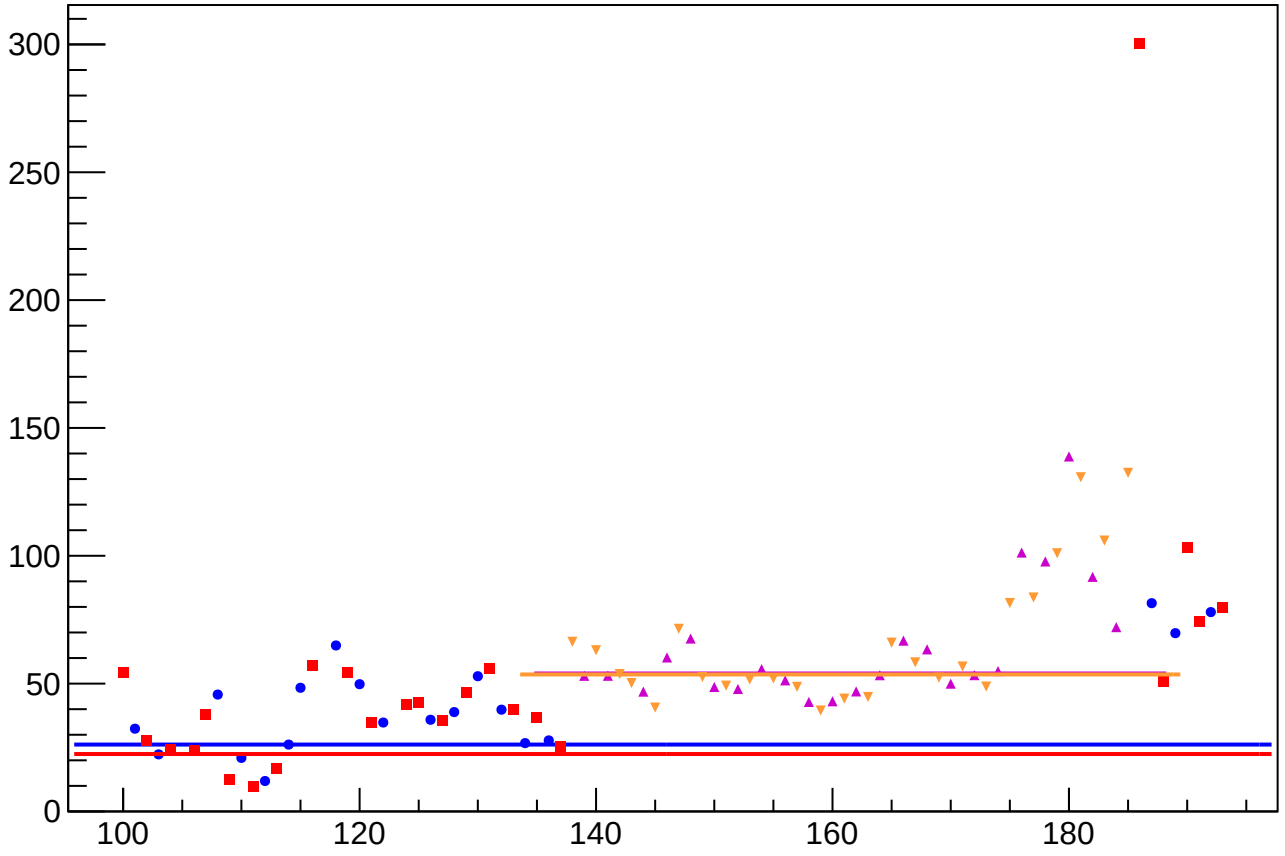
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/43

All: -0.002+/-0.005 χ^2/NDF: 85.0/90

- sign -0.004+/-0.007 χ^2/NDF: 33.3/46

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

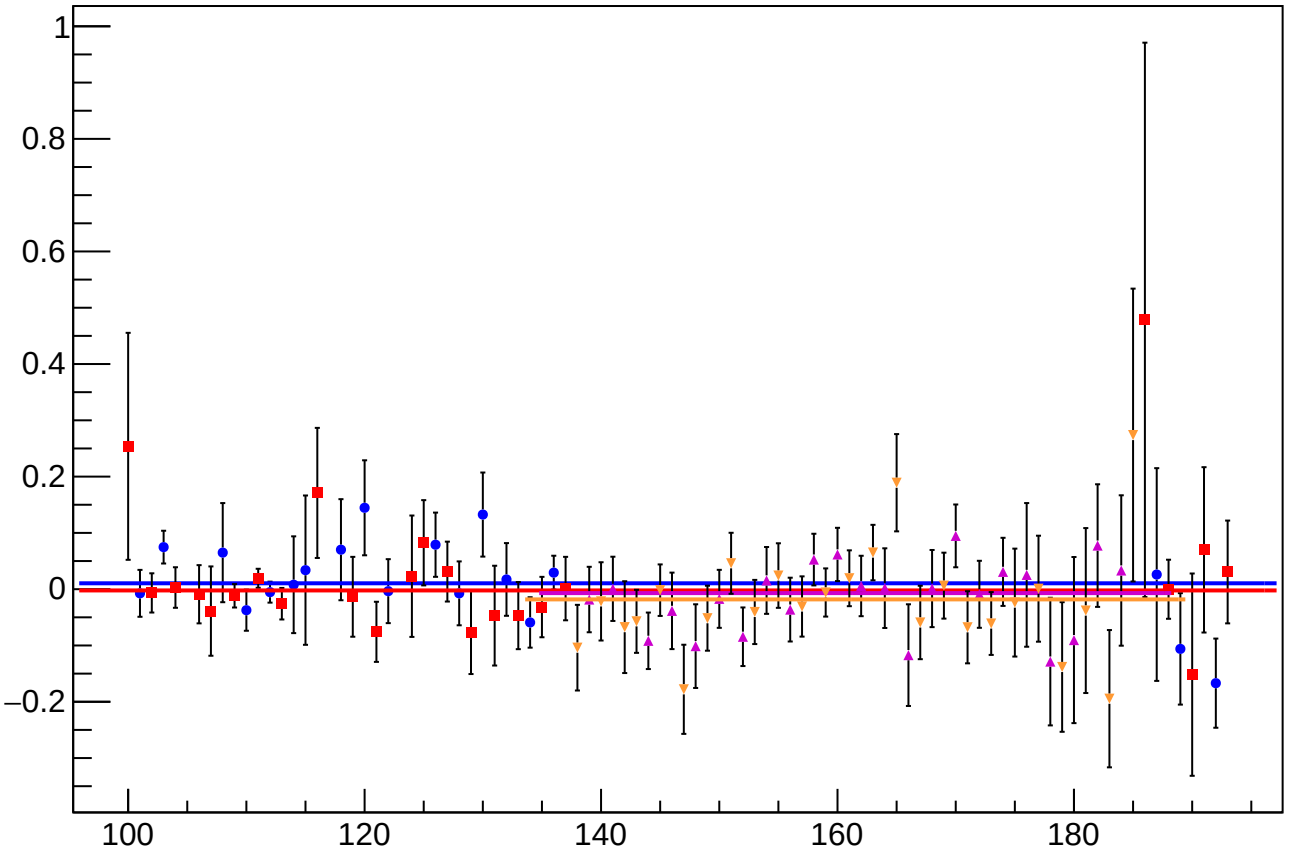
Right Out: 22.463+/-0.006 χ^2/NDF: 6338452.9/23

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 37.090+/-0.006 χ^2/NDF: 12106512.2/43

All: 34.598+/-0.004 χ^2/NDF: 28609450.1/90

- sign 32.484+/-0.005 χ^2/NDF: 16151321.7/46



Right In: 0.010+/-0.010 χ^2/NDF: 24.4/18

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

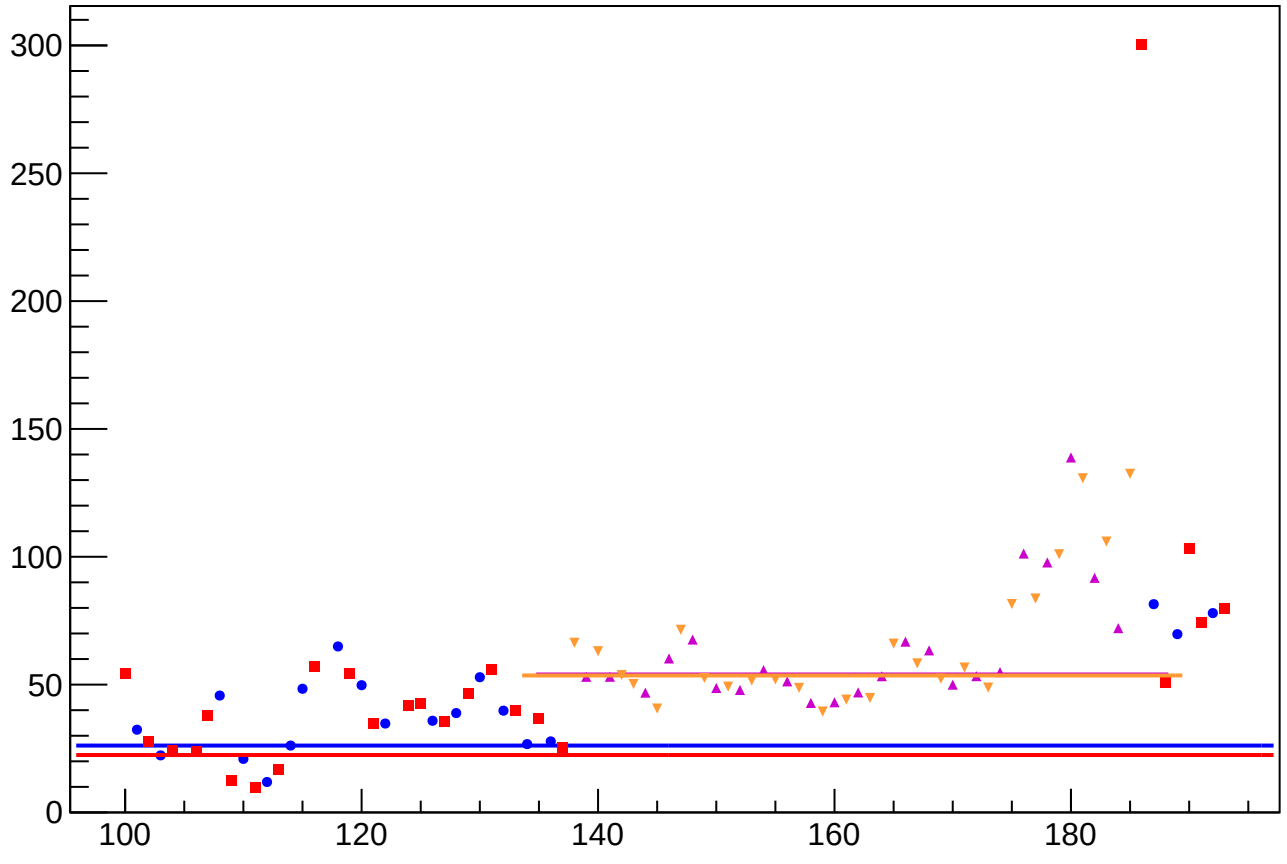
Right Out: -0.002+/-0.009 χ^2/NDF: 14.5/23

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/43

All: -0.002+/-0.005 χ^2/NDF: 85.0/90

- sign -0.004+/-0.007 χ^2/NDF: 33.3/46



Right In: 26.163+/-0.007 χ^2/NDF: 3944611.7/18

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

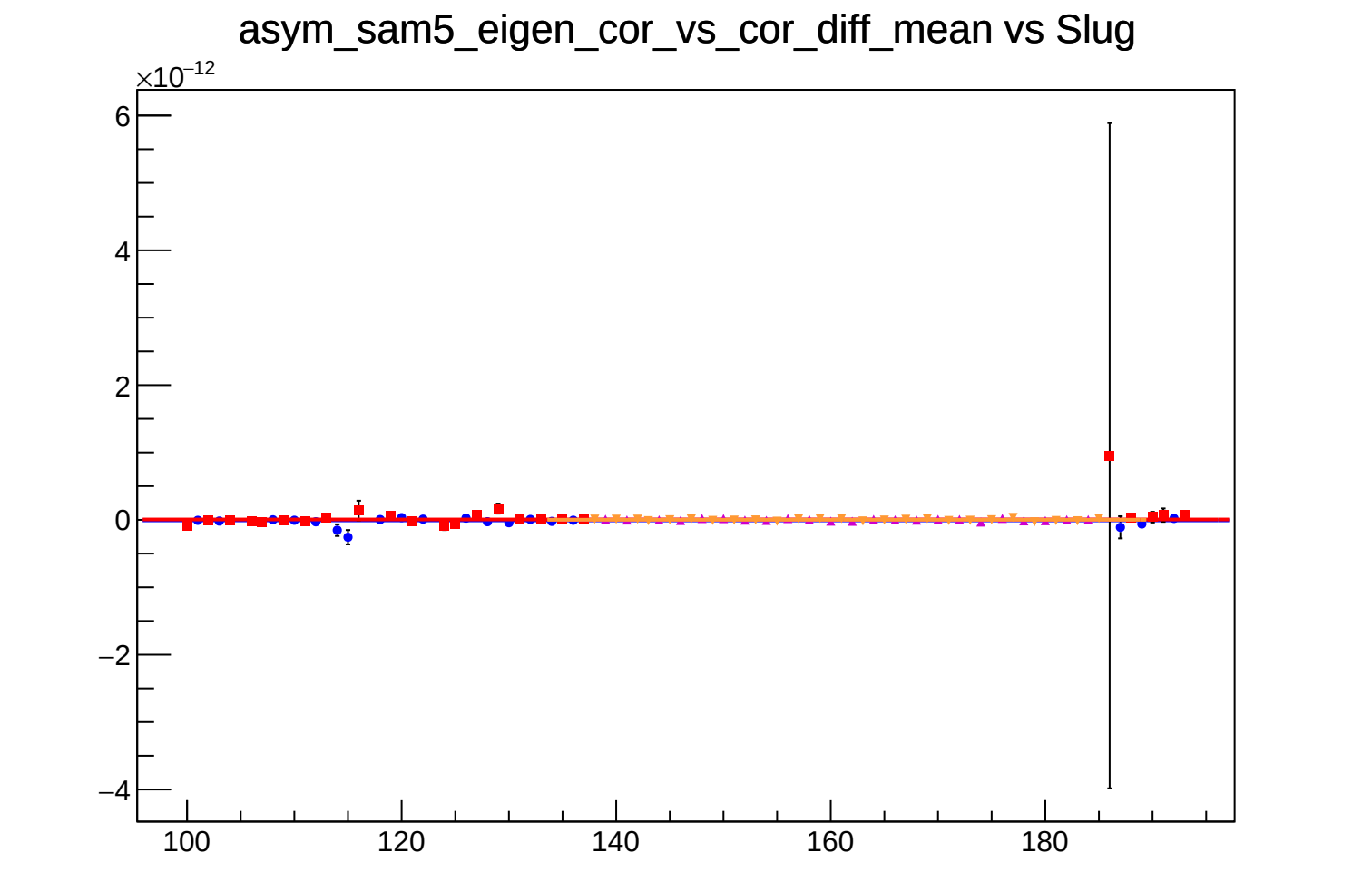
Right Out: 22.463+/-0.006 χ^2/NDF: 6338452.9/23

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 37.090+/-0.006 χ^2/NDF: 12106512.2/43

All: 34.598+/-0.004 χ^2/NDF: 28609450.1/90

- sign 32.484+/-0.005 χ^2/NDF: 16151321.7/46



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: 31.6/23

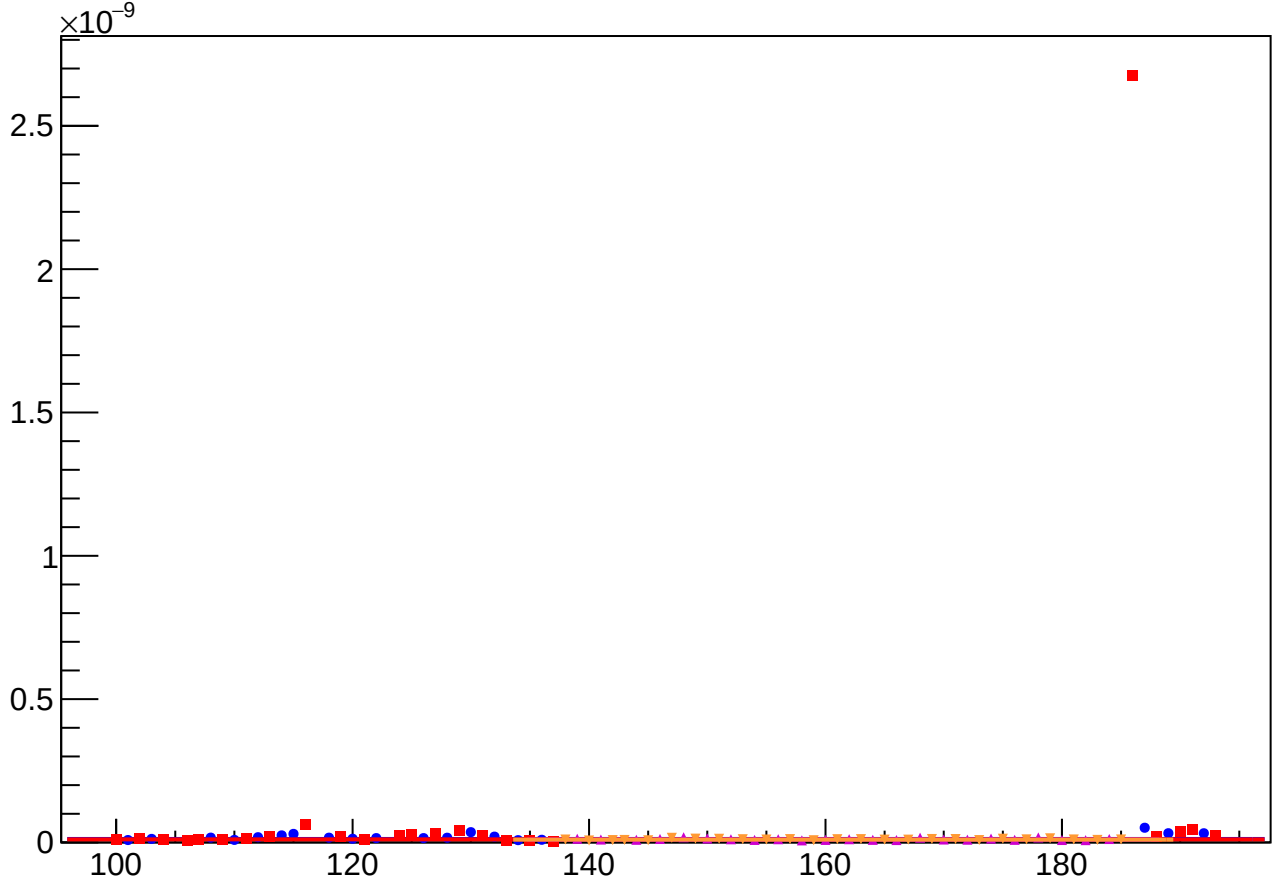
Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.9/43

All: 0.000+/-0.000 χ^2/NDF: 96.7/90

- sign 0.000+/-0.000 χ^2/NDF: 50.4/46

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: 4310371.3/23

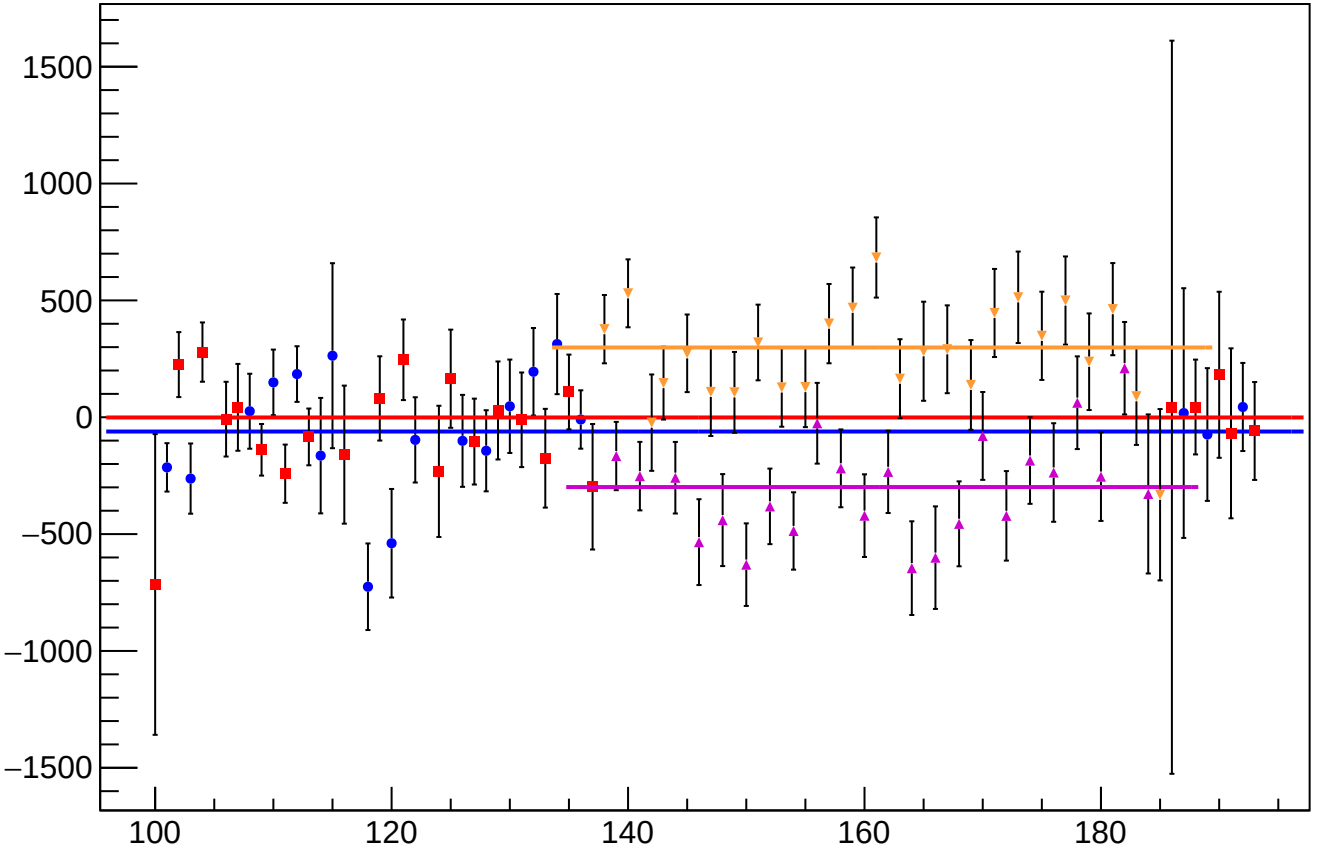
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 3459706.7/43

All: 0.000+/-0.000 χ^2/NDF: 9100520.3/90

- sign 0.000+/-0.000 χ^2/NDF: 5640544.0/46

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: -0.929+/-37.140 χ^2/NDF: 21.5/23

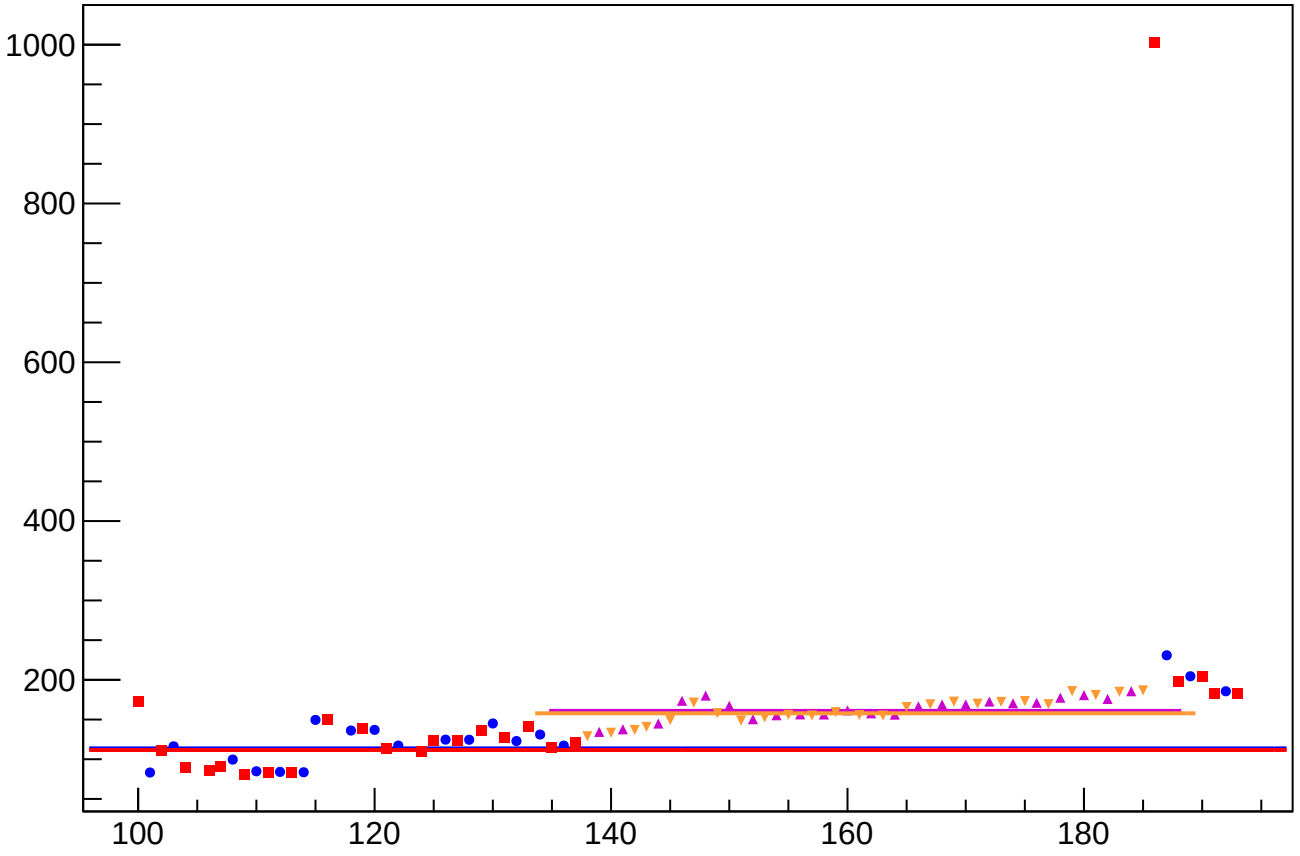
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 135.125+/-26.629 χ^2/NDF: 105.9/43

All: -7.036+/-18.772 χ^2/NDF: 245.2/90

- sign -147.468+/-26.467 χ^2/NDF: 82.6/46

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: 111.661+/-0.026 χ^2/NDF: 2160319.9/23

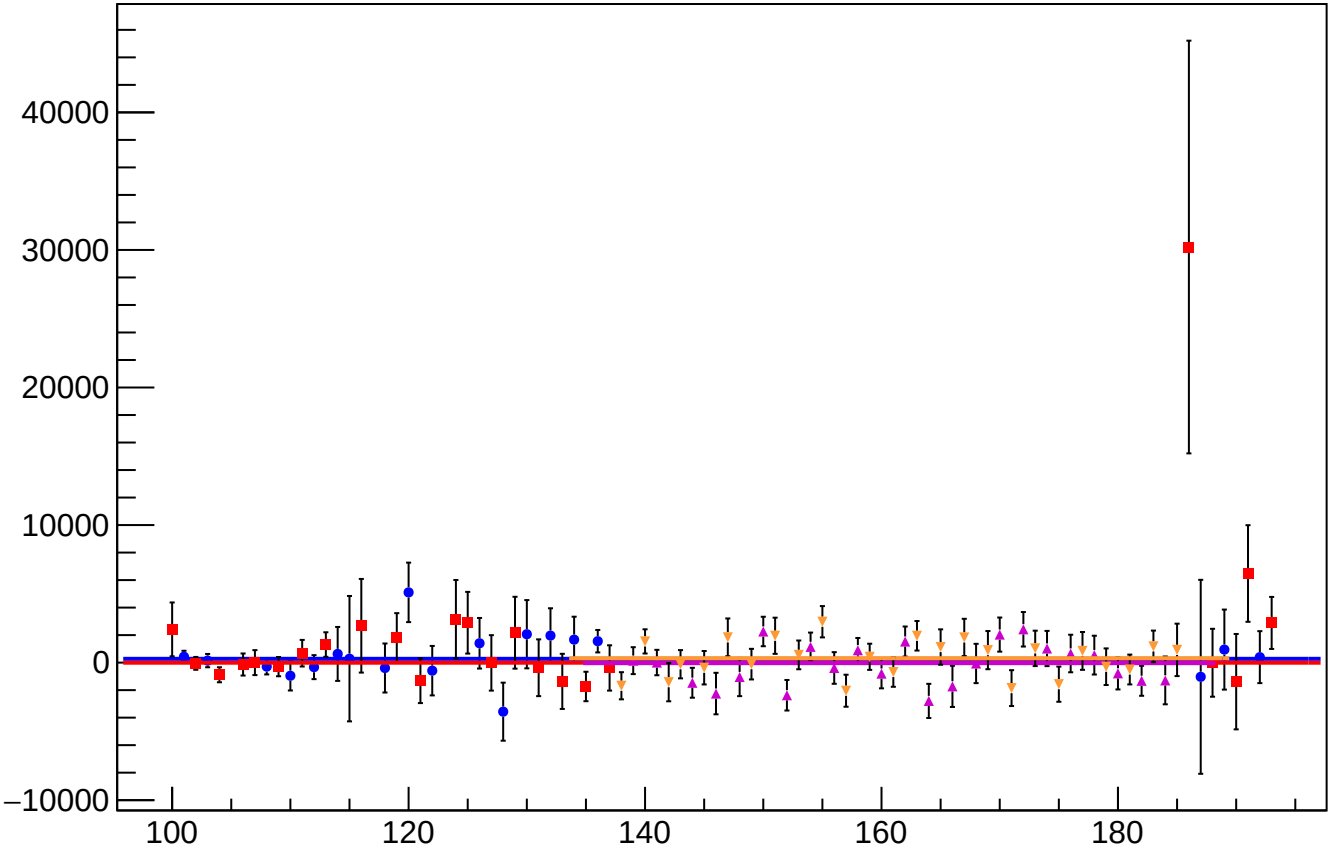
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 137.744+/-0.019 χ^2/NDF: 2912724.1/43

All: 136.807+/-0.013 χ^2/NDF: 7074562.8/90

- sign 135.882+/-0.019 χ^2/NDF: 4156922.7/46

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: -7.147+/-228.415 χ^2/NDF: 26.1/23

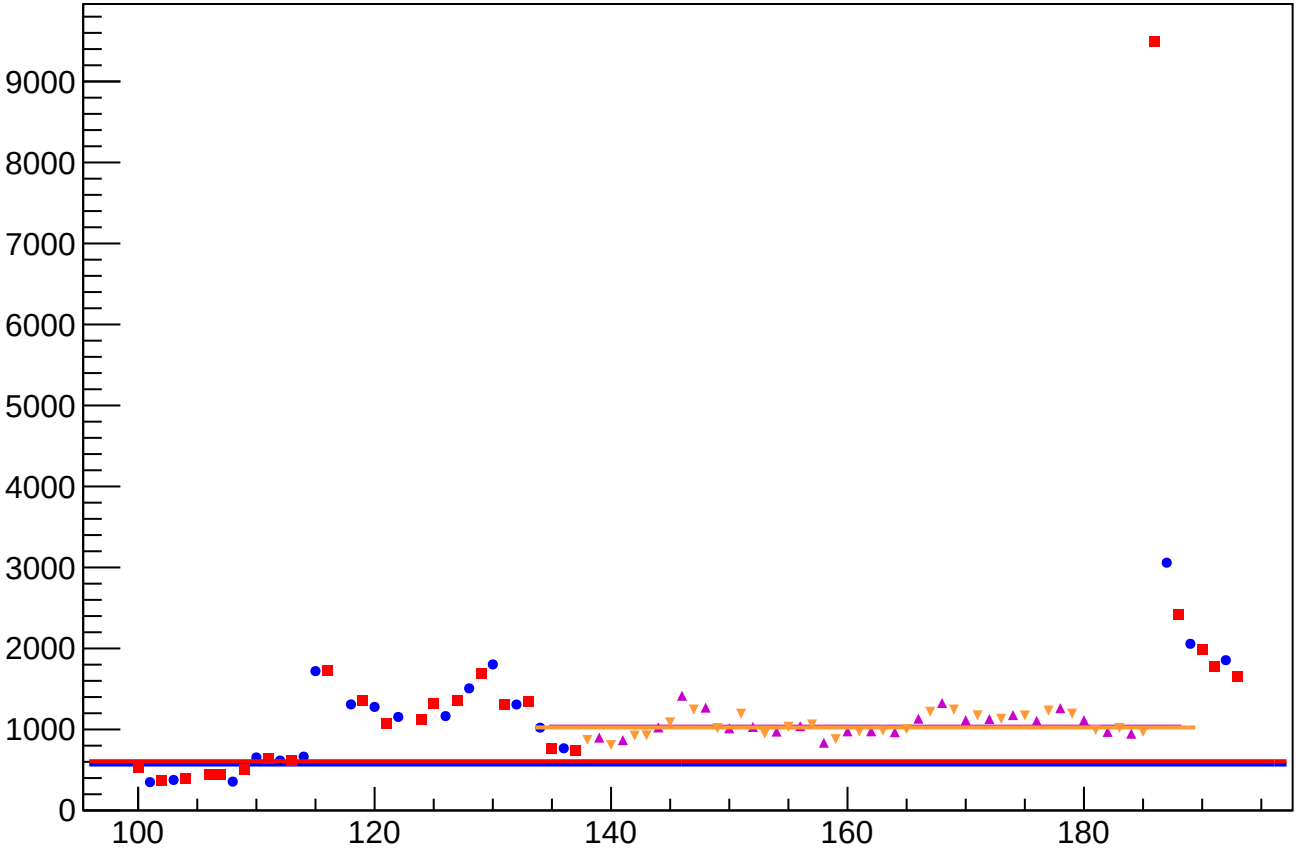
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 297.388+/-163.718 χ^2/NDF: 49.1/43

All: 140.621+/-116.841 χ^2/NDF: 111.8/90

- sign -22.106+/-166.801 χ^2/NDF: 60.9/46

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: 607.998+/-0.162 χ^2/NDF: 6108003.3/23

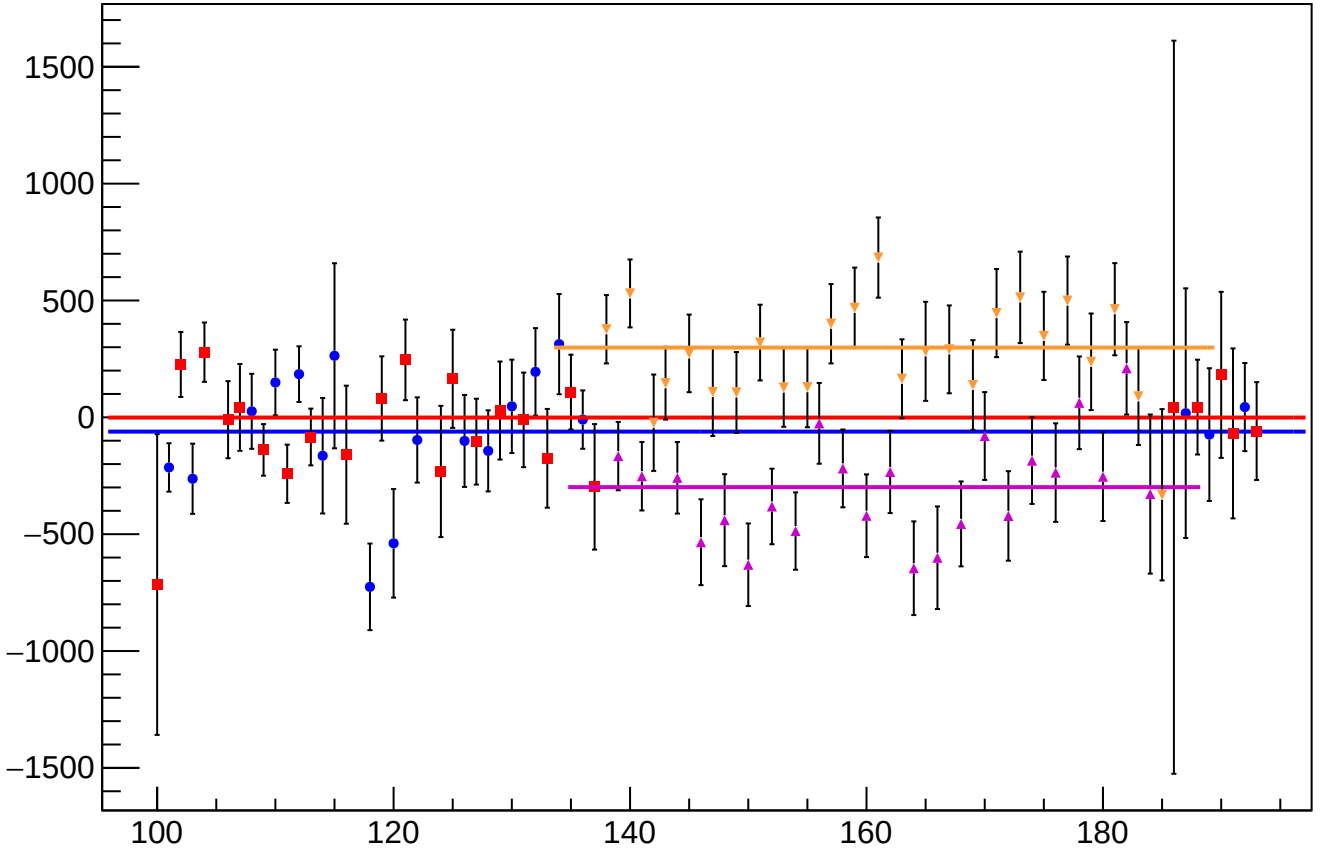
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 788.850+/-0.116 χ^2/NDF: 9873790.0/43

All: 797.768+/-0.083 χ^2/NDF: 19875773.0/90

- sign 807.025+/-0.118 χ^2/NDF: 9989889.4/46

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: -0.966+/-37.201 χ^2/NDF: 21.6/23

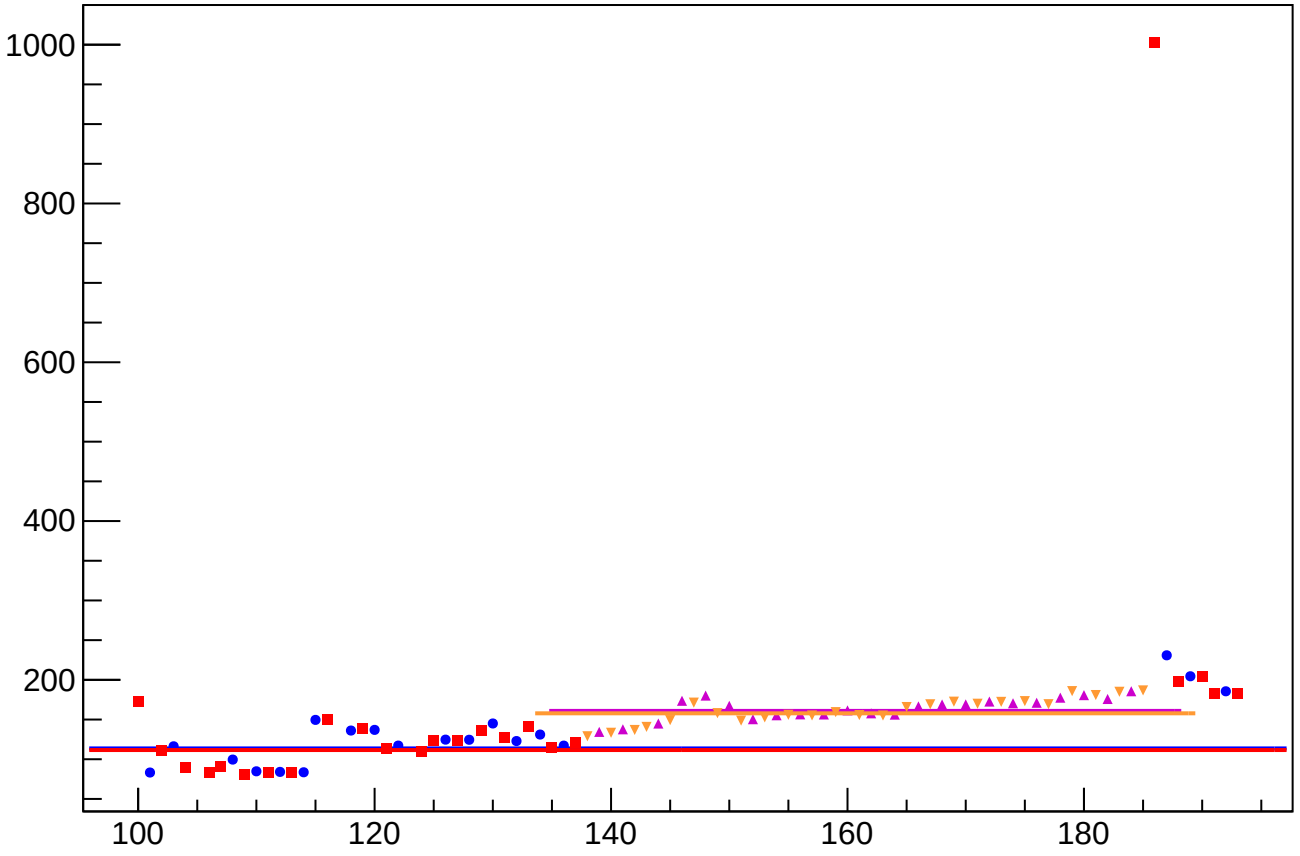
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 135.115+/-26.629 χ^2/NDF: 105.9/43

All: -7.057+/-18.780 χ^2/NDF: 245.2/90

- sign -147.736+/-26.489 χ^2/NDF: 82.6/46

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: 111.586+/-0.026 χ^2/NDF: 2169818.0/23

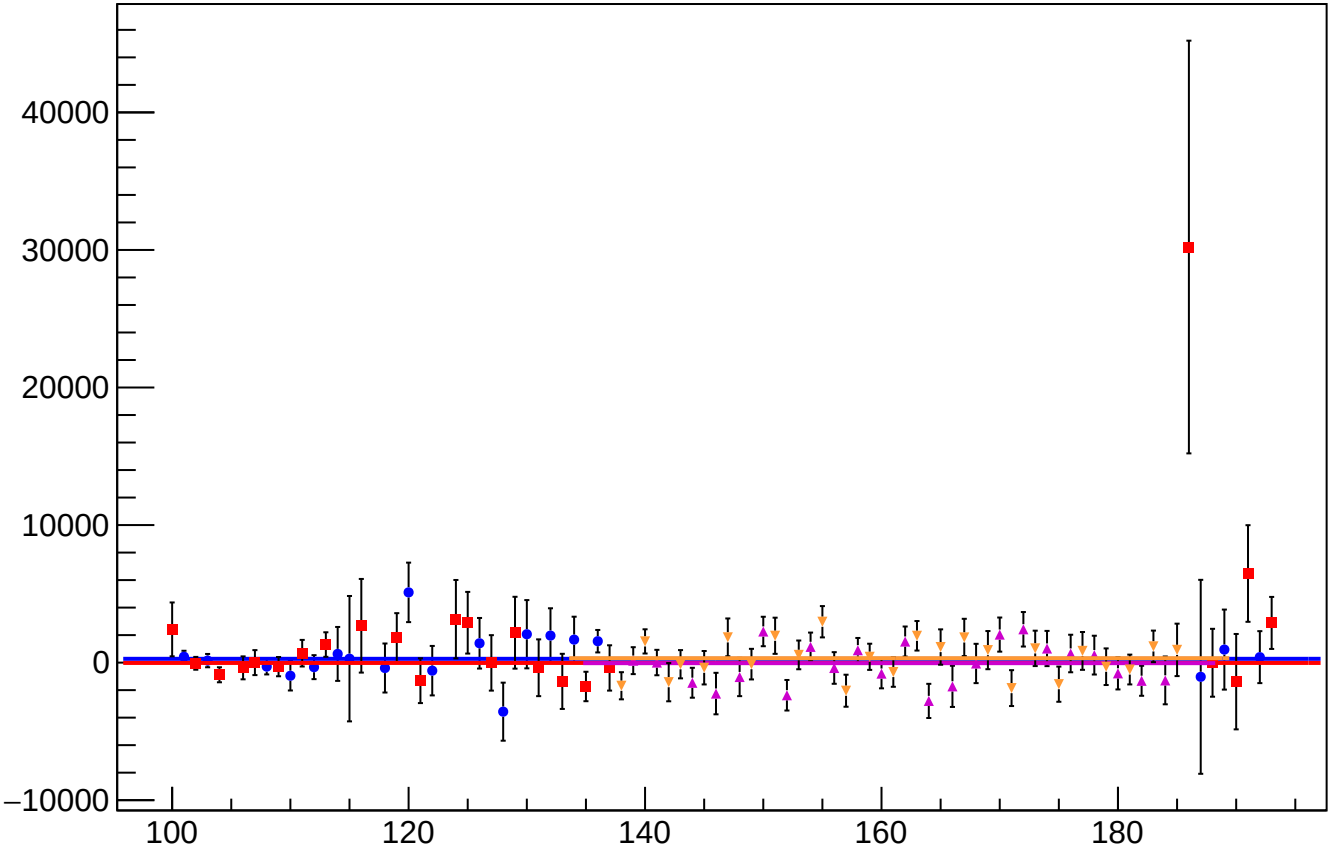
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 137.744+/-0.019 χ^2/NDF: 2912720.8/43

All: 136.809+/-0.013 χ^2/NDF: 7086542.5/90

- sign 135.884+/-0.019 χ^2/NDF: 4168921.2/46

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: -23.946+/-229.012 χ^2/NDF: 26.2/23

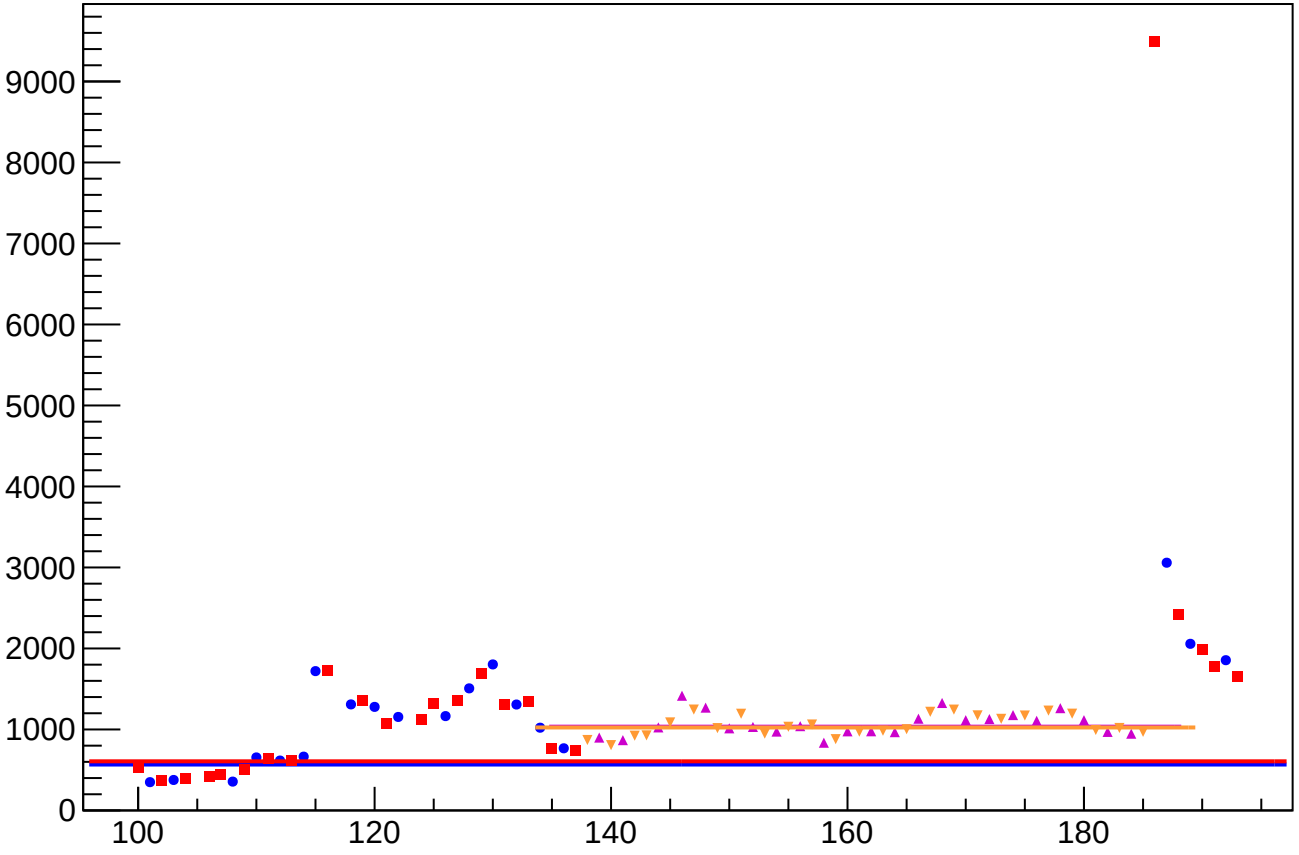
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 297.461+/-163.715 χ^2/NDF: 49.1/43

All: 136.484+/-116.920 χ^2/NDF: 112.1/90

- sign -31.084+/-167.033 χ^2/NDF: 61.0/46

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: 606.709+/-0.162 χ^2/NDF: 6132605.4/23

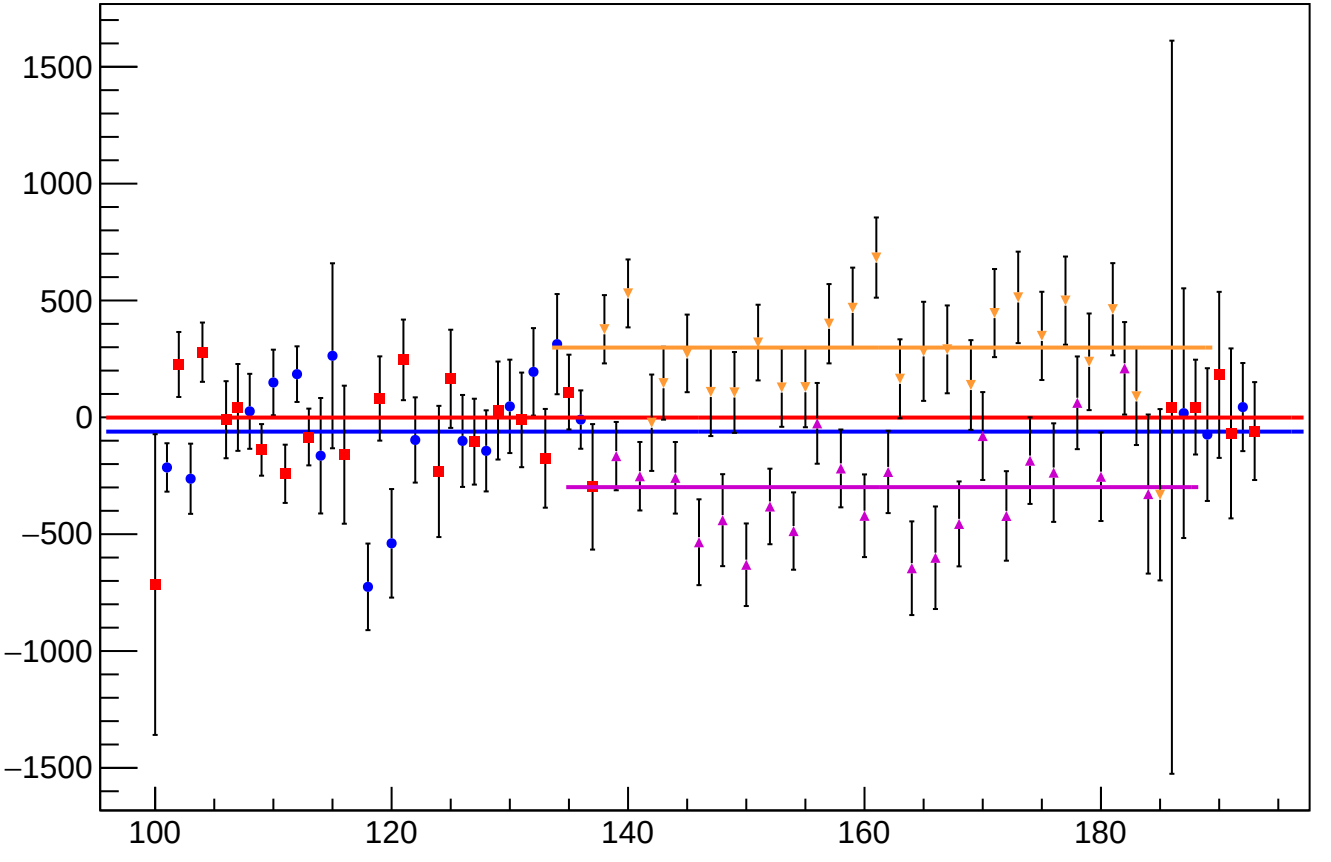
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 788.831+/-0.116 χ^2/NDF: 9874552.3/43

All: 797.681+/-0.083 χ^2/NDF: 19912686.0/90

- sign 806.893+/-0.118 χ^2/NDF: 10026206.2/46

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: -0.966+/-37.201 χ^2/NDF: 21.6/23

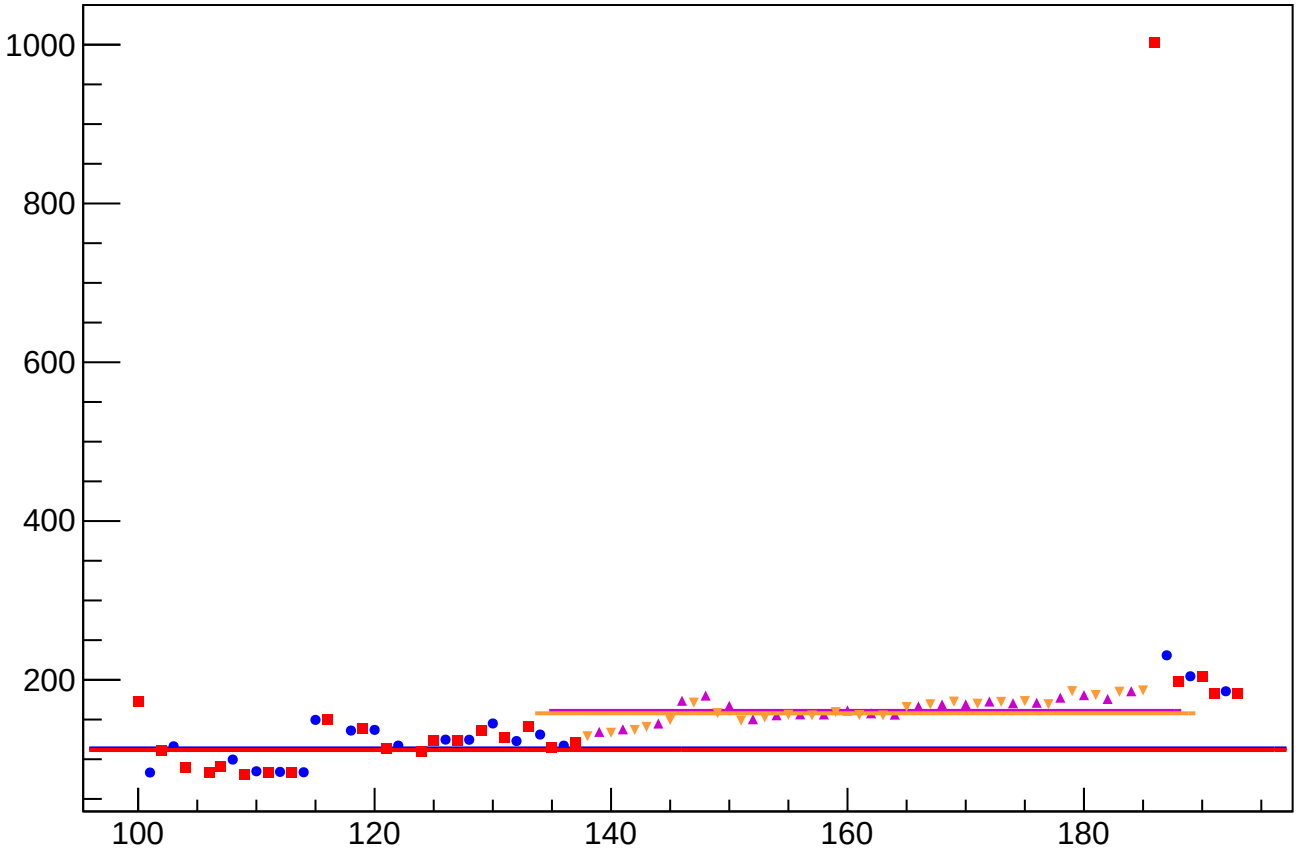
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 135.115+/-26.629 χ^2/NDF: 105.9/43

All: -7.057+/-18.780 χ^2/NDF: 245.2/90

- sign -147.736+/-26.489 χ^2/NDF: 82.6/46

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: 111.586+/-0.026 χ^2/NDF: 2169818.0/23

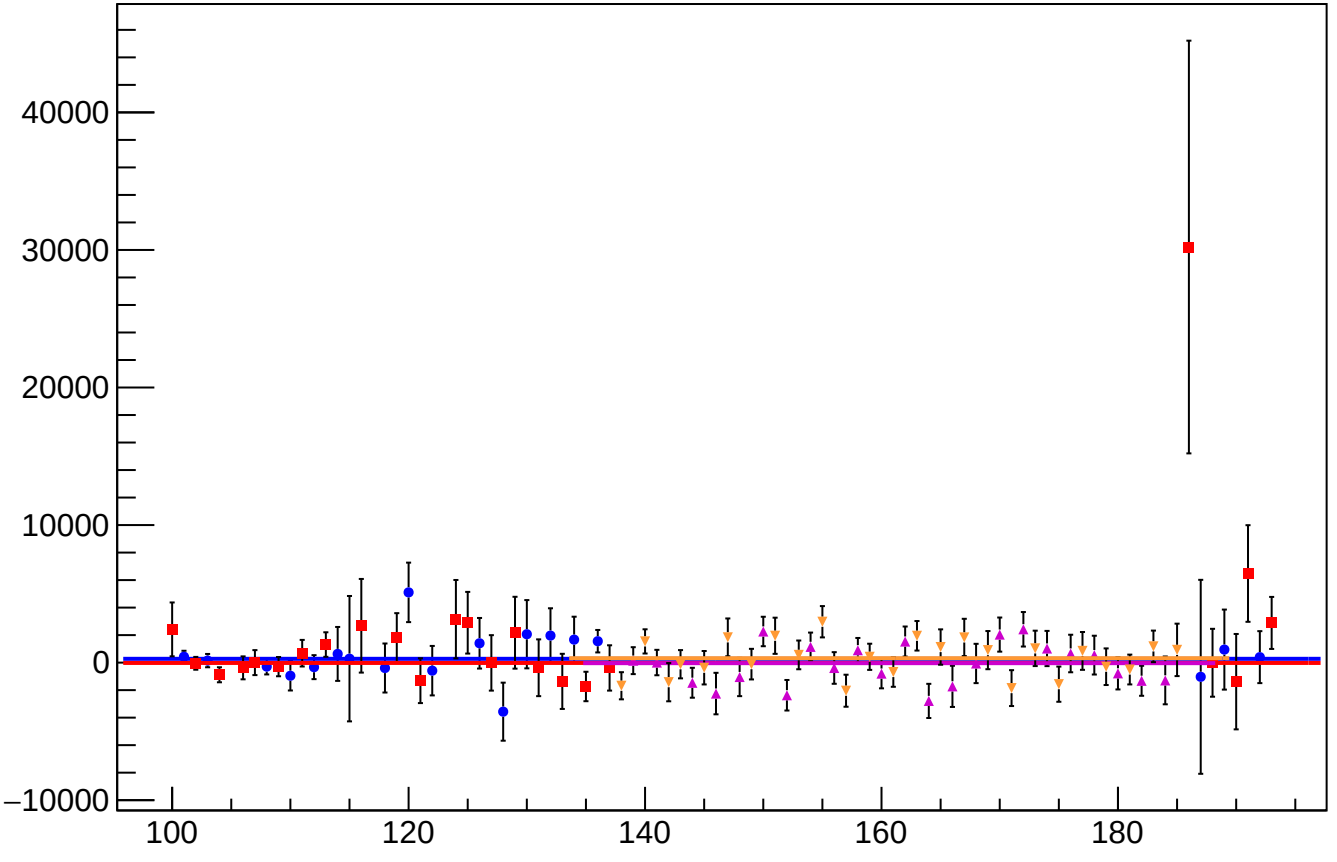
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 137.744+/-0.019 χ^2/NDF: 2912720.8/43

All: 136.809+/-0.013 χ^2/NDF: 7086542.5/90

- sign 135.884+/-0.019 χ^2/NDF: 4168921.2/46

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: -23.946+/-229.012 χ^2/NDF: 26.2/23

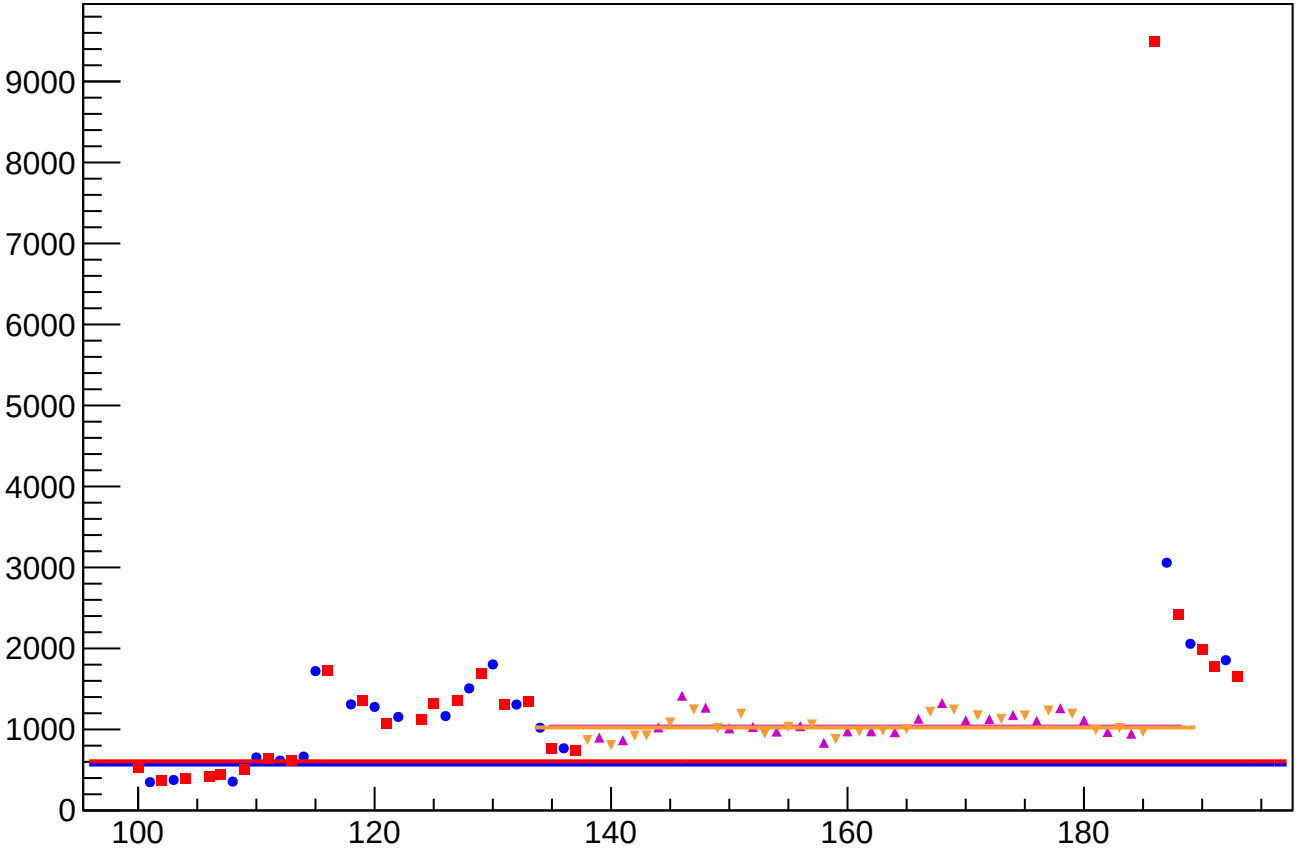
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 297.461+/-163.715 χ^2/NDF: 49.1/43

All: 136.484+/-116.920 χ^2/NDF: 112.1/90

- sign -31.084+/-167.033 χ^2/NDF: 61.0/46

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: 606.709+/-0.162 χ^2/NDF: 6132605.4/23

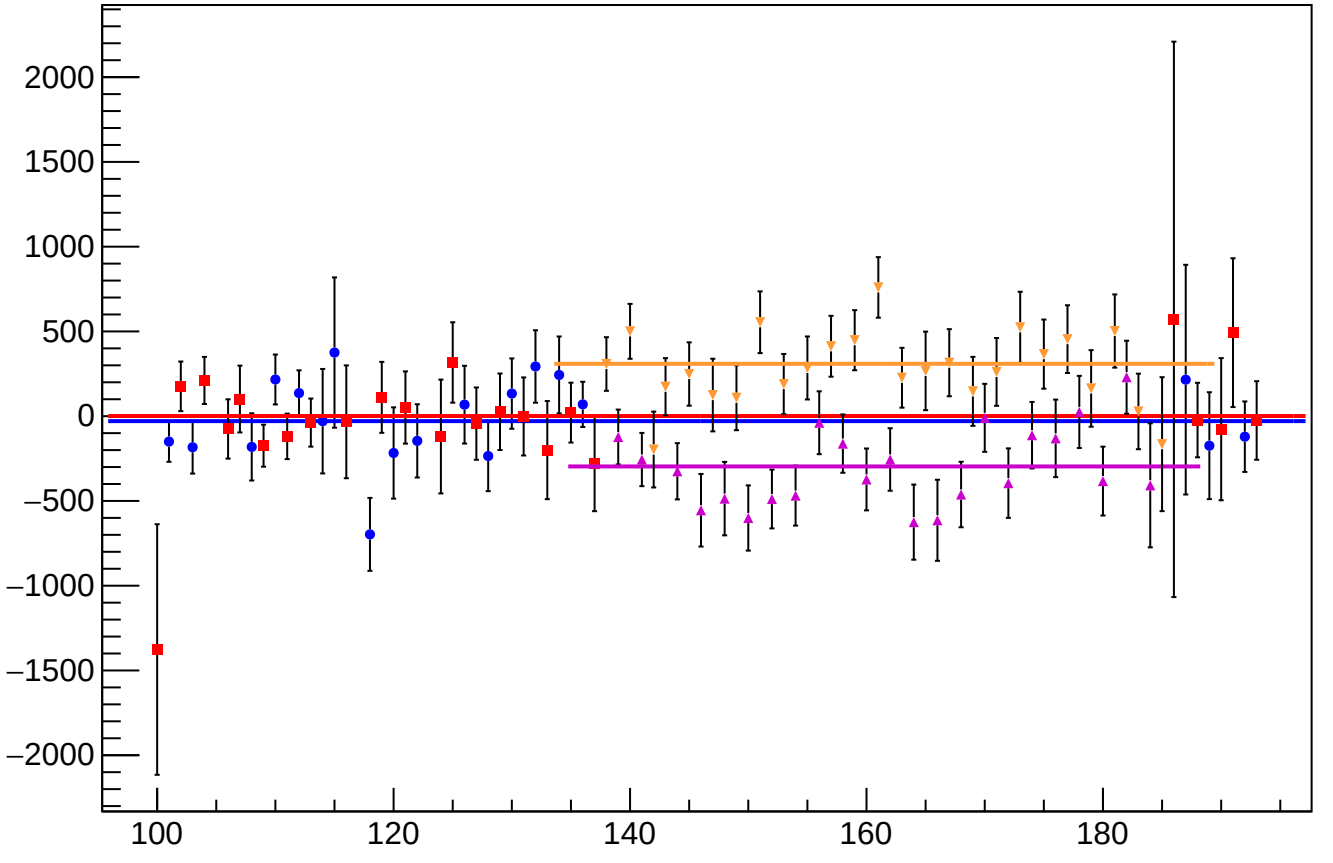
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 788.831+/-0.116 χ^2/NDF: 9874552.3/43

All: 797.681+/-0.083 χ^2/NDF: 19912686.0/90

- sign 806.893+/-0.118 χ^2/NDF: 10026206.2/46

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: 0.950+/-41.613 χ^2/NDF: 15.7/23

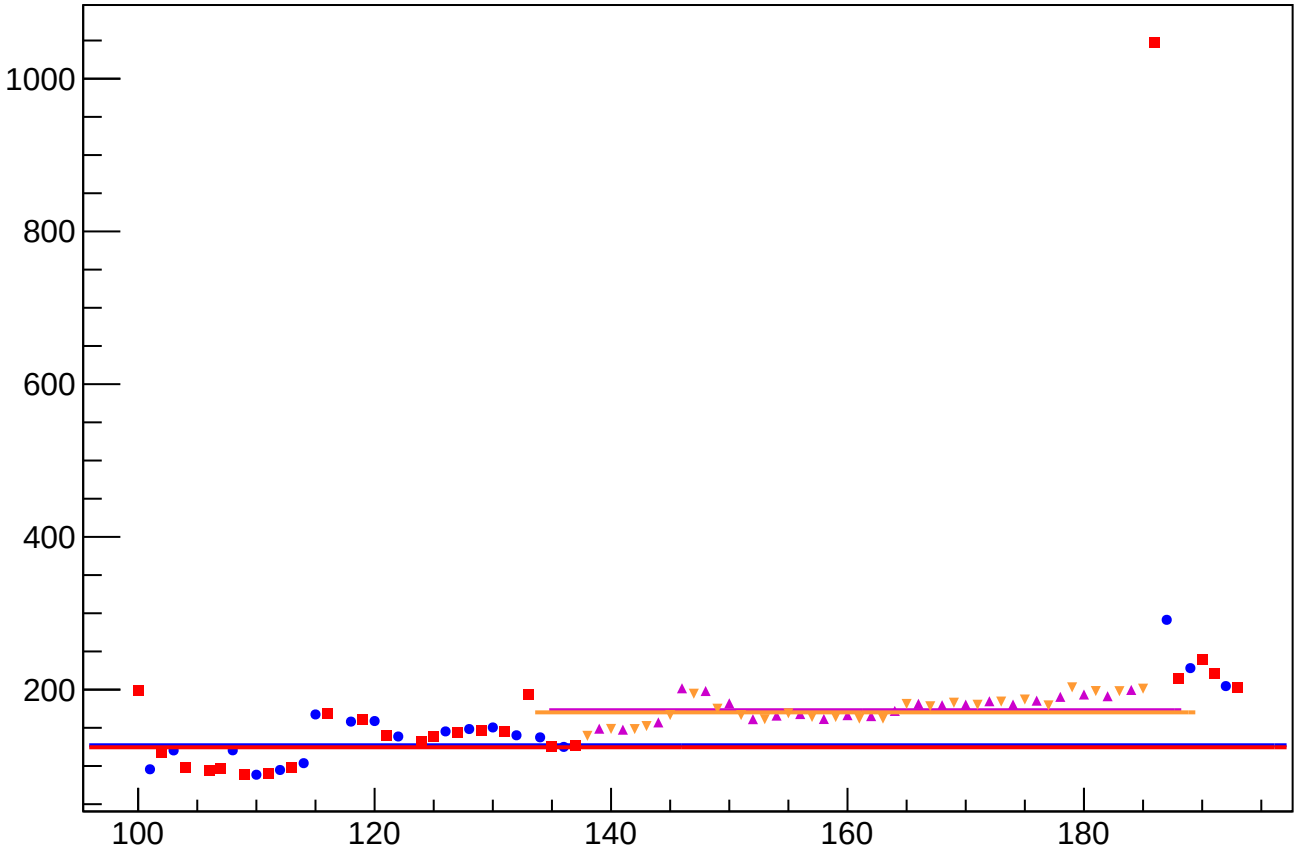
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 161.765+/-29.227 χ^2/NDF: 83.2/43

All: 4.294+/-20.608 χ^2/NDF: 210.7/90

- sign -151.412+/-29.062 χ^2/NDF: 69.7/46

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: 124.508+/-0.029 χ^2/NDF: 2302197.3/23

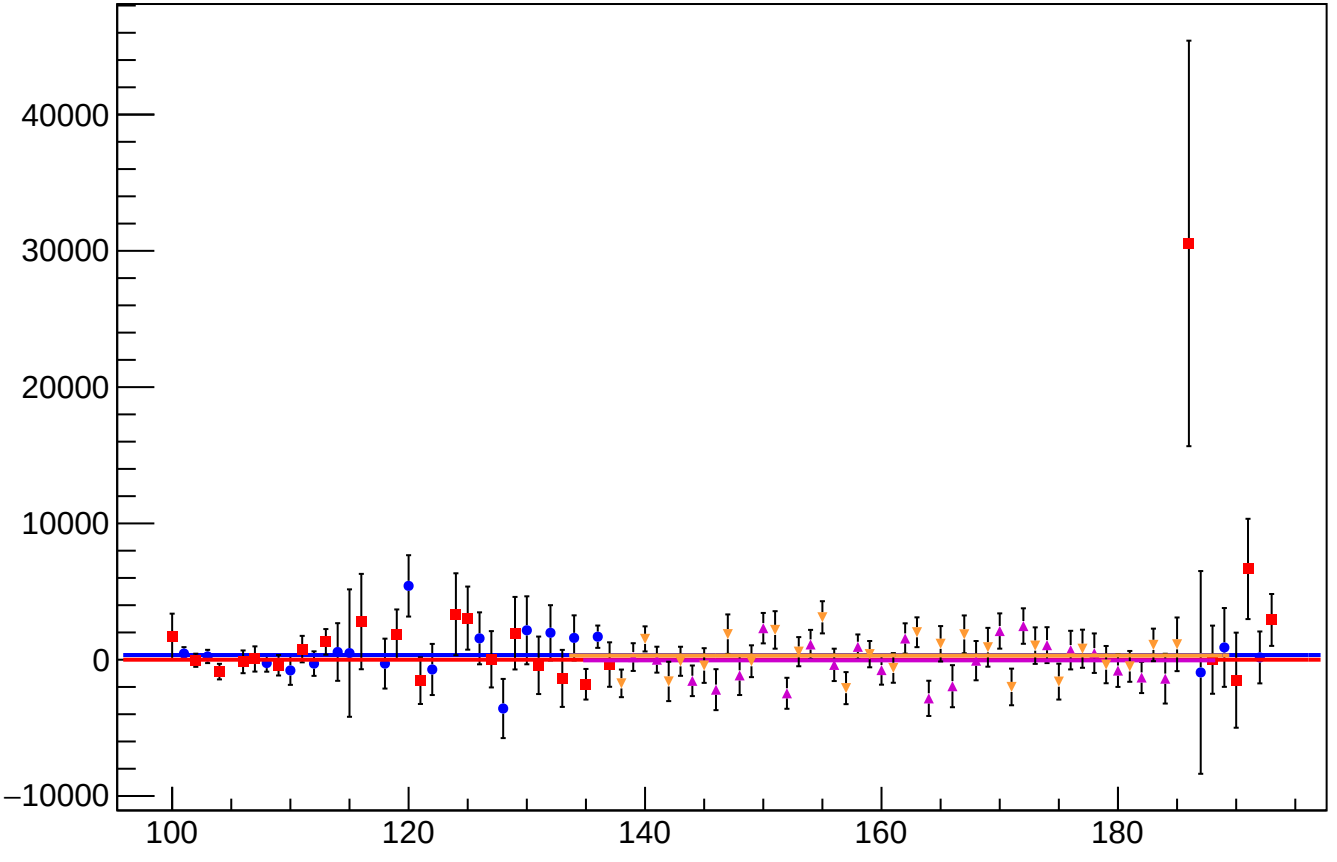
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 151.467+/-0.021 χ^2/NDF: 2609455.4/43

All: 150.407+/-0.015 χ^2/NDF: 6603130.3/90

- sign 149.359+/-0.021 χ^2/NDF: 3988445.5/46

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: 0.400+/-236.437 χ^2/NDF: 25.4/23

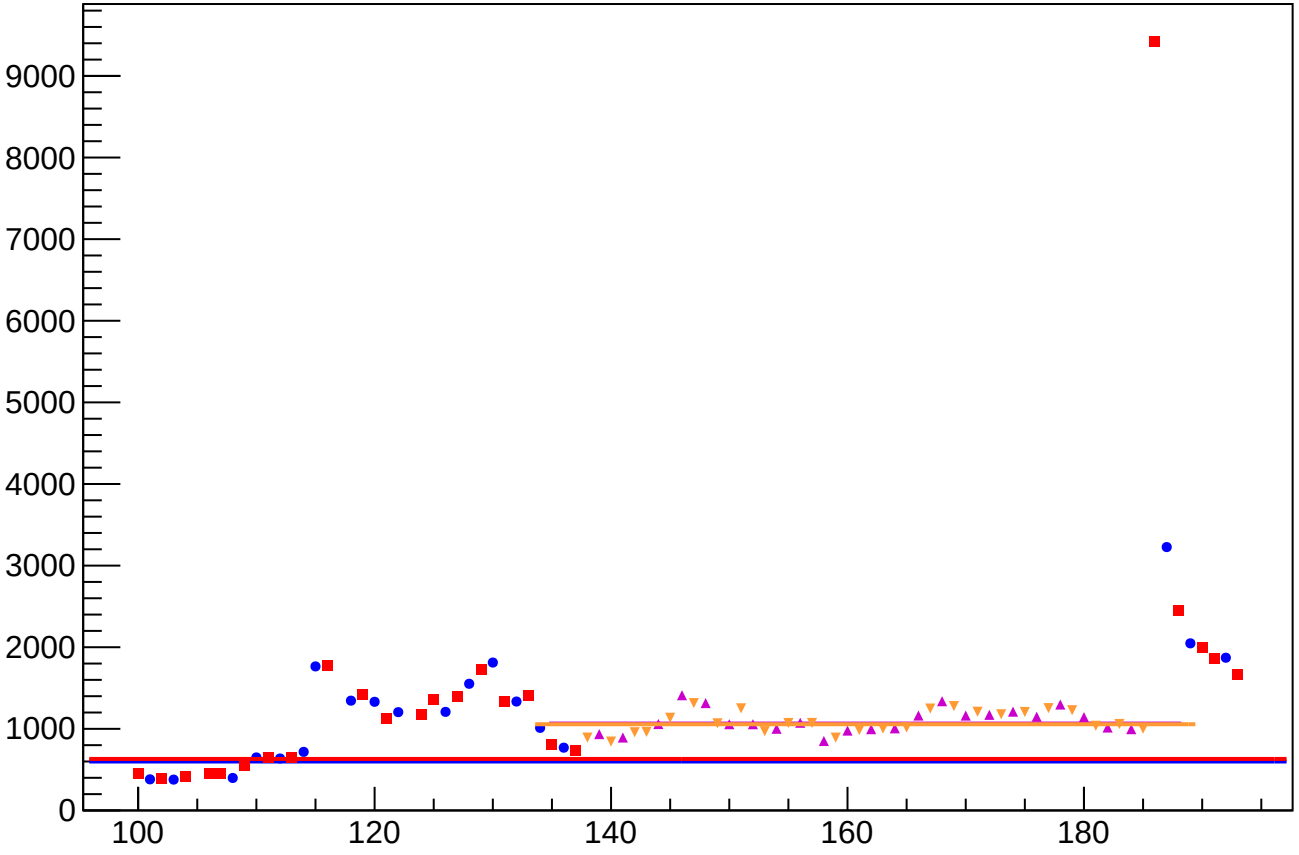
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 329.119+/-170.070 χ^2/NDF: 49.2/43

All: 155.745+/-120.998 χ^2/NDF: 111.1/90

- sign -21.970+/-172.185 χ^2/NDF: 59.8/46

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: 631.128+/-0.167 χ^2/NDF: 6057359.8/23

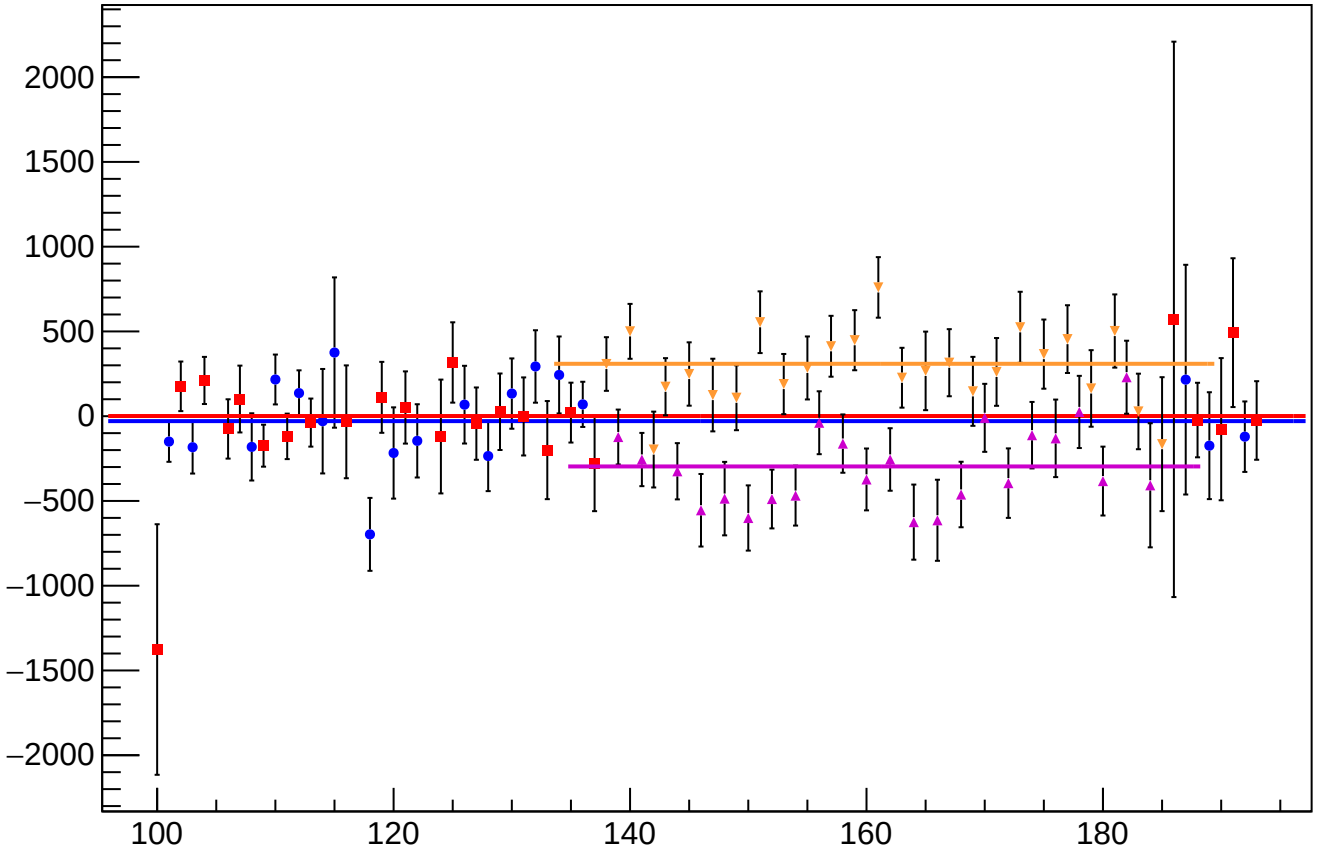
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 824.587+/-0.120 χ^2/NDF: 9323520.8/43

All: 829.606+/-0.086 χ^2/NDF: 19153950.4/90

- sign 834.751+/-0.122 χ^2/NDF: 9826901.9/46

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: 0.949+/-41.613 χ^2/NDF: 15.7/23

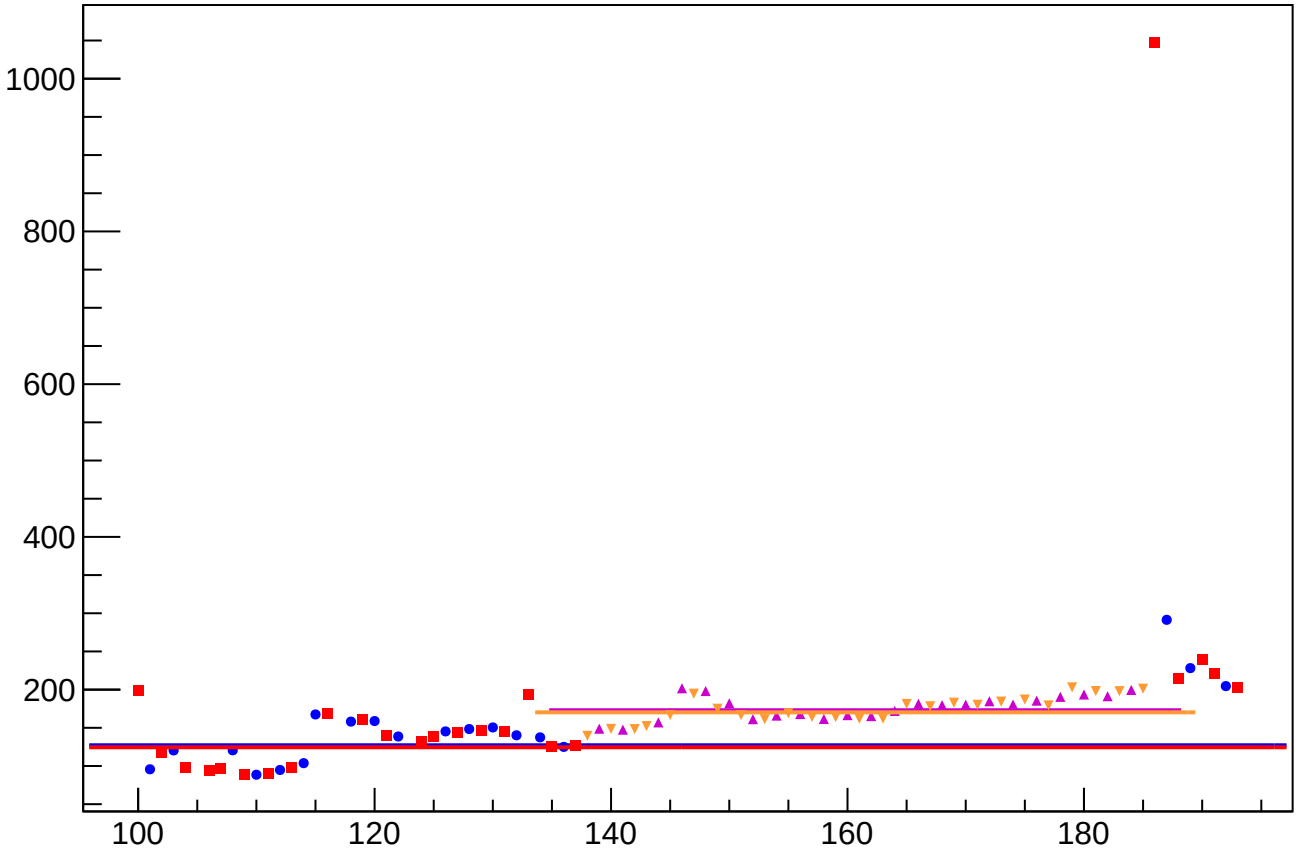
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 161.765+/-29.227 χ^2/NDF: 83.2/43

All: 4.293+/-20.608 χ^2/NDF: 210.7/90

- sign -151.413+/-29.062 χ^2/NDF: 69.7/46

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: 124.508+/-0.029 χ^2/NDF: 2302194.6/23

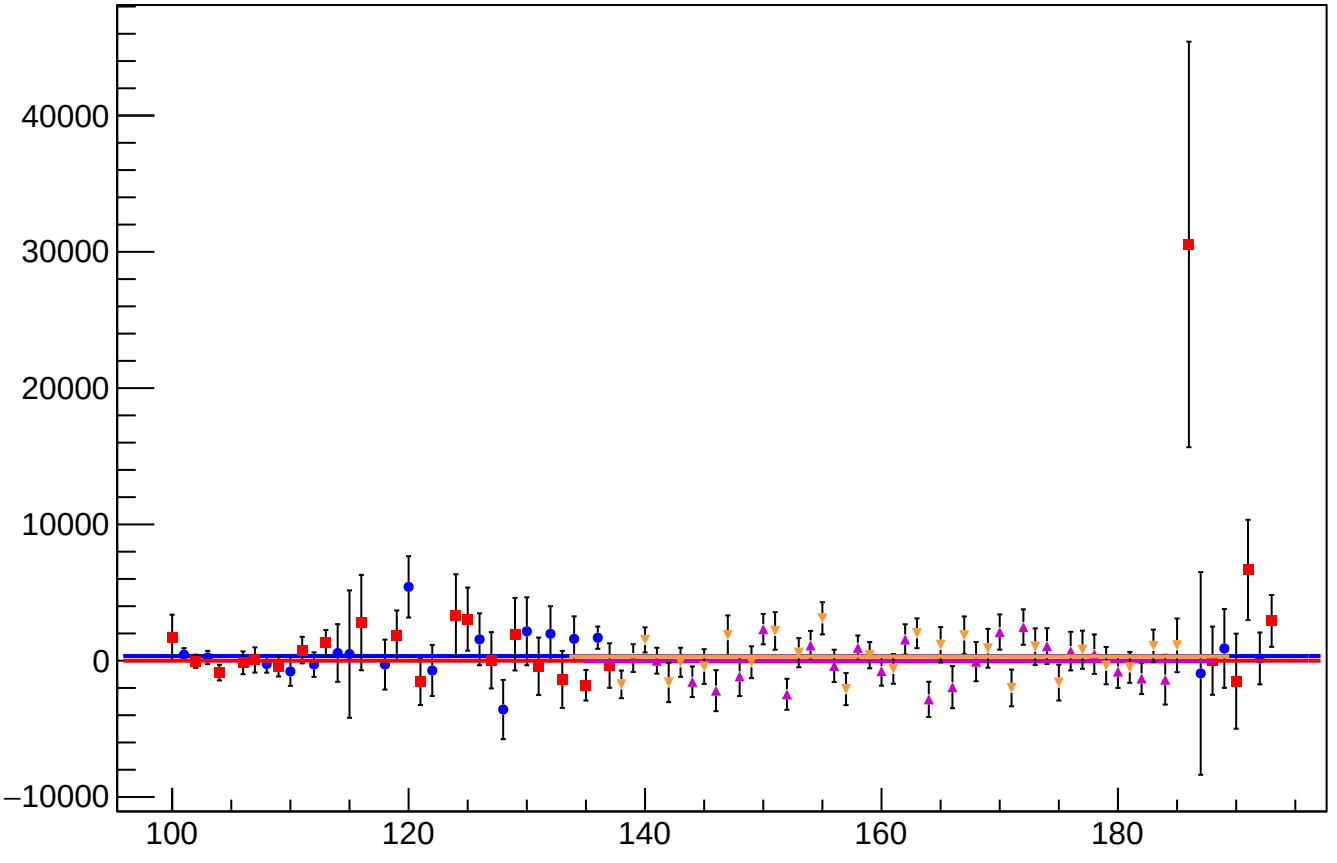
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 151.467+/-0.021 χ^2/NDF: 2609468.7/43

All: 150.407+/-0.015 χ^2/NDF: 6603147.3/90

- sign 149.359+/-0.021 χ^2/NDF: 3988449.4/46

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: 0.399+/-236.436 χ^2/NDF: 25.4/23

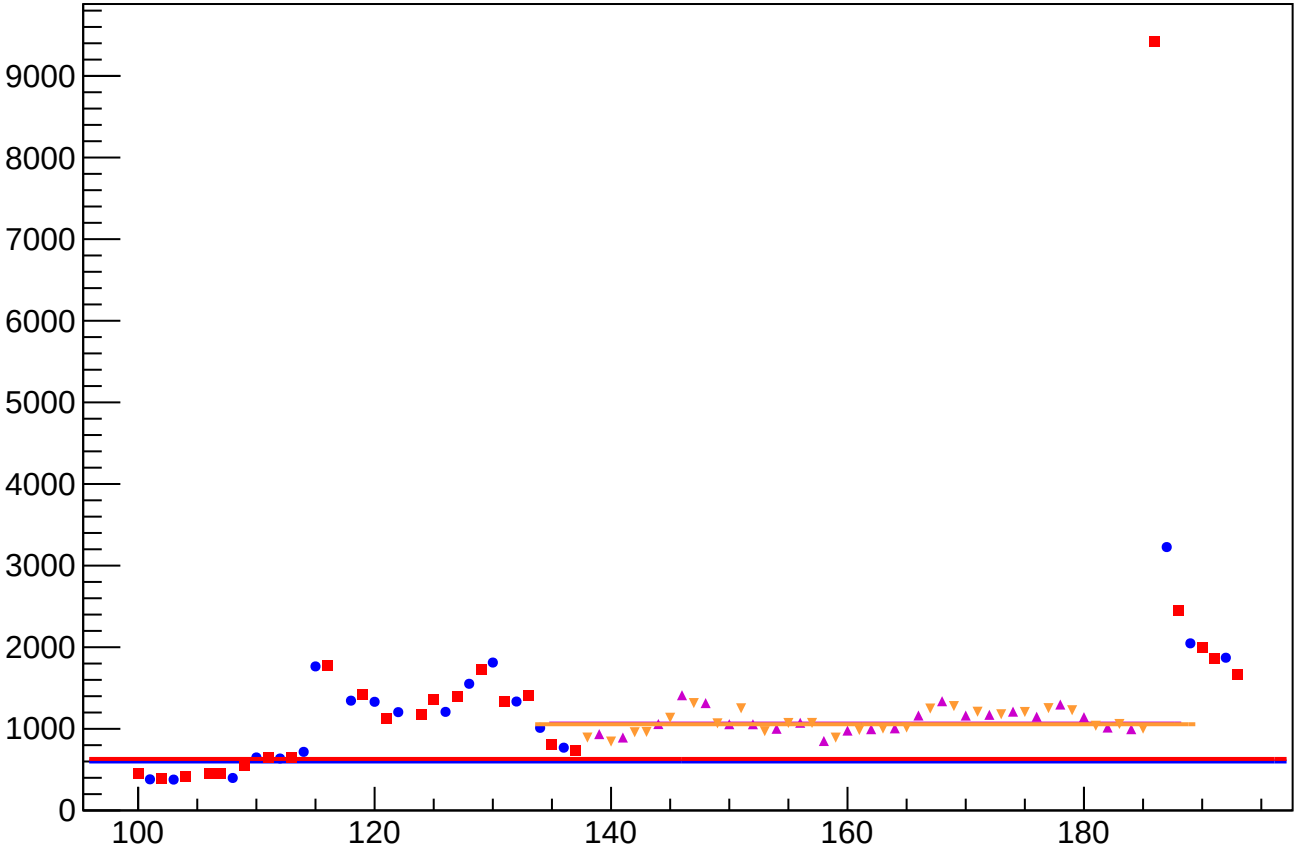
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 329.119+/-170.070 χ^2/NDF: 49.2/43

All: 155.745+/-120.998 χ^2/NDF: 111.1/90

- sign -21.970+/-172.185 χ^2/NDF: 59.8/46

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: 631.128+/-0.167 χ^2/NDF: 6057361.9/23

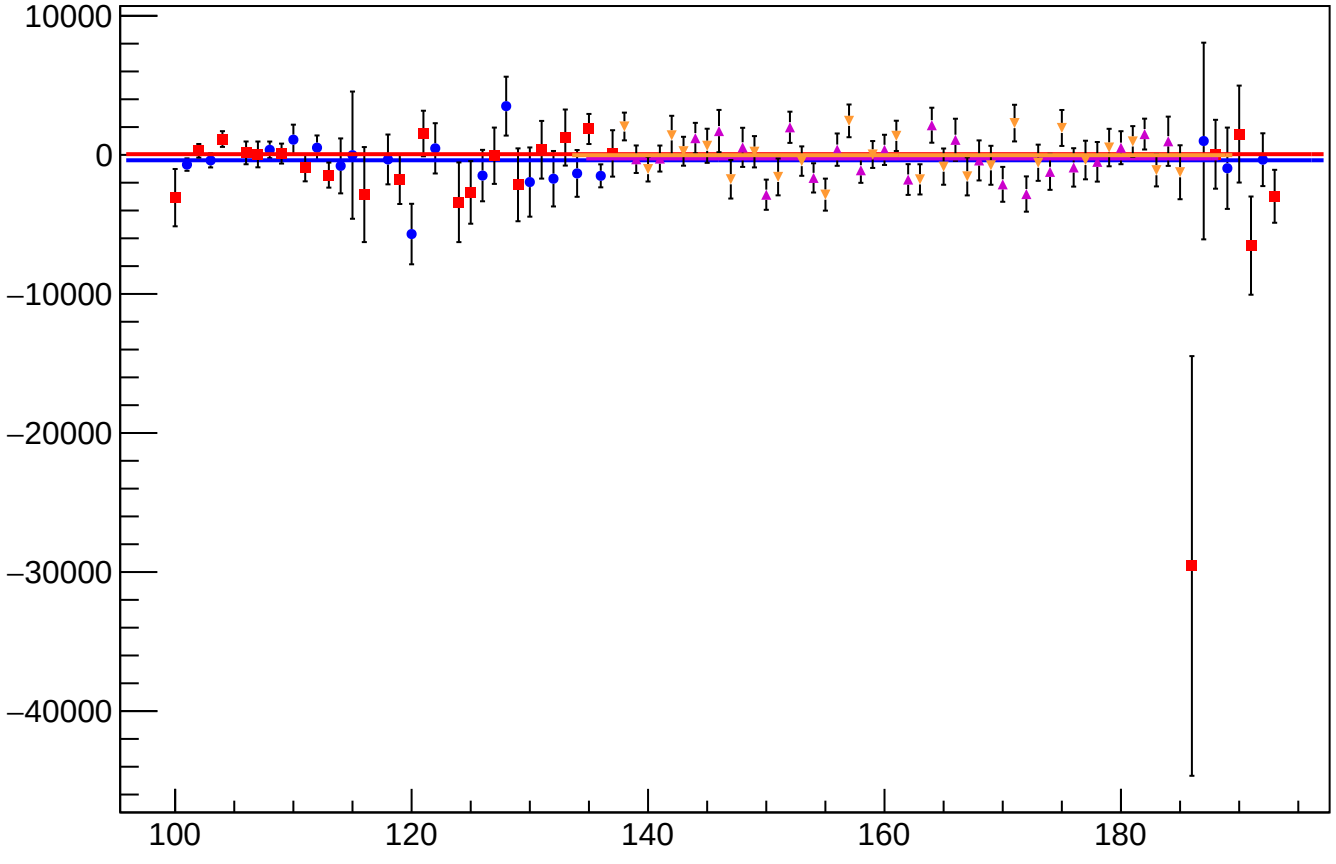
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 824.586+/-0.120 χ^2/NDF: 9323550.3/43

All: 829.606+/-0.086 χ^2/NDF: 19153995.6/90

- sign 834.751+/-0.122 χ^2/NDF: 9826917.5/46

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: 50.533+/-234.246 χ^2/NDF: 29.5/23

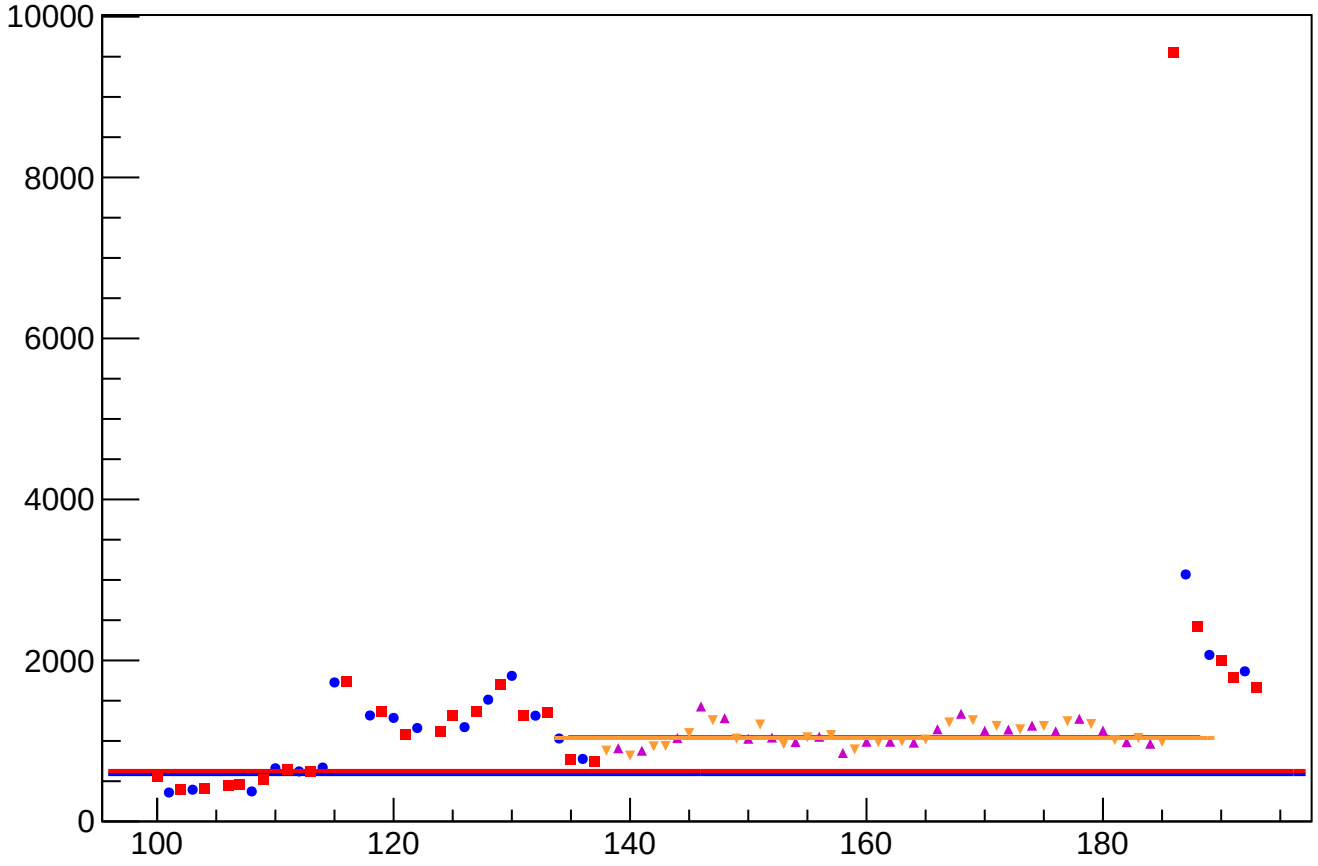
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

\+ sign -207.425+/-167.137 χ^2/NDF: 53.7/43

All: -151.788+/-119.195 χ^2/NDF: 117.8/90

\- sign -94.206+/-170.033 χ^2/NDF: 63.9/46

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

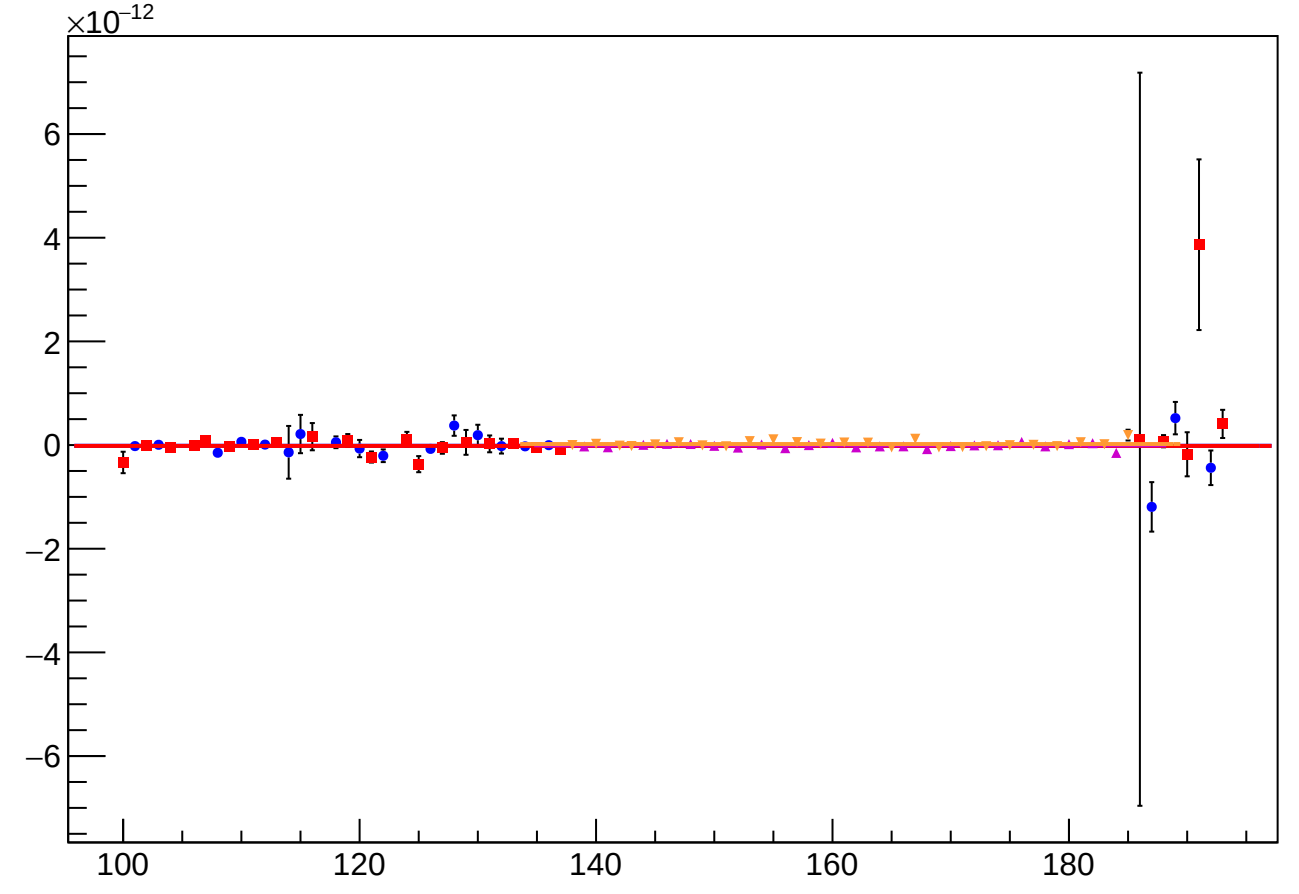
Right Out: 627.742+/-0.166 χ^2/NDF: 5927202.1/23

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 809.565+/-0.118 χ^2/NDF: 9384573.9/43

All: 817.835+/-0.084 χ^2/NDF: 18975354.4/90

- sign 826.394+/-0.120 χ^2/NDF: 9580816.2/46



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: 28.6/23

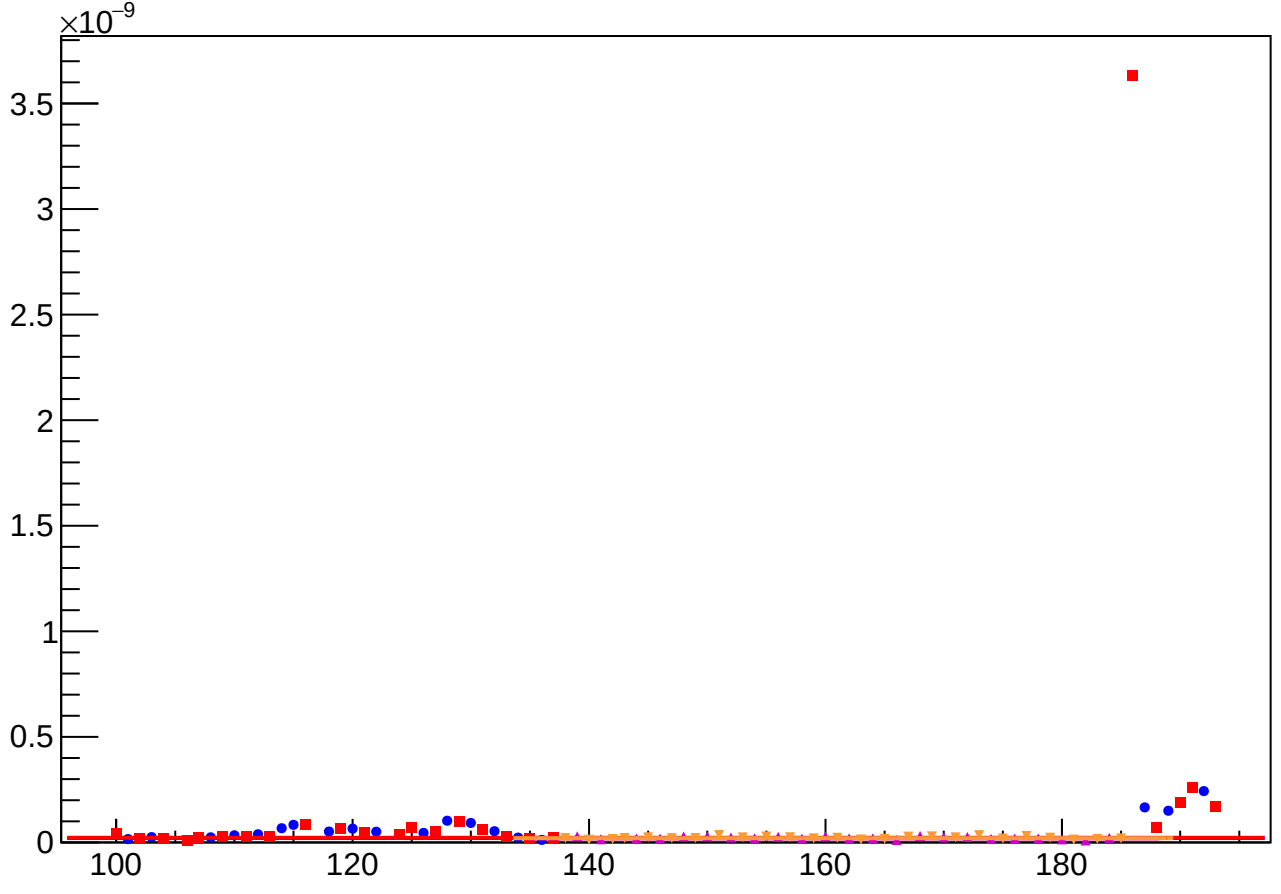
Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.5/43

All: 0.000+/-0.000 χ^2/NDF: 113.5/90

- sign -0.000+/-0.000 χ^2/NDF: 47.7/46

asym_sam6_reg_vs_cor_diff_rms vs Slug



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: 3659565.4/23

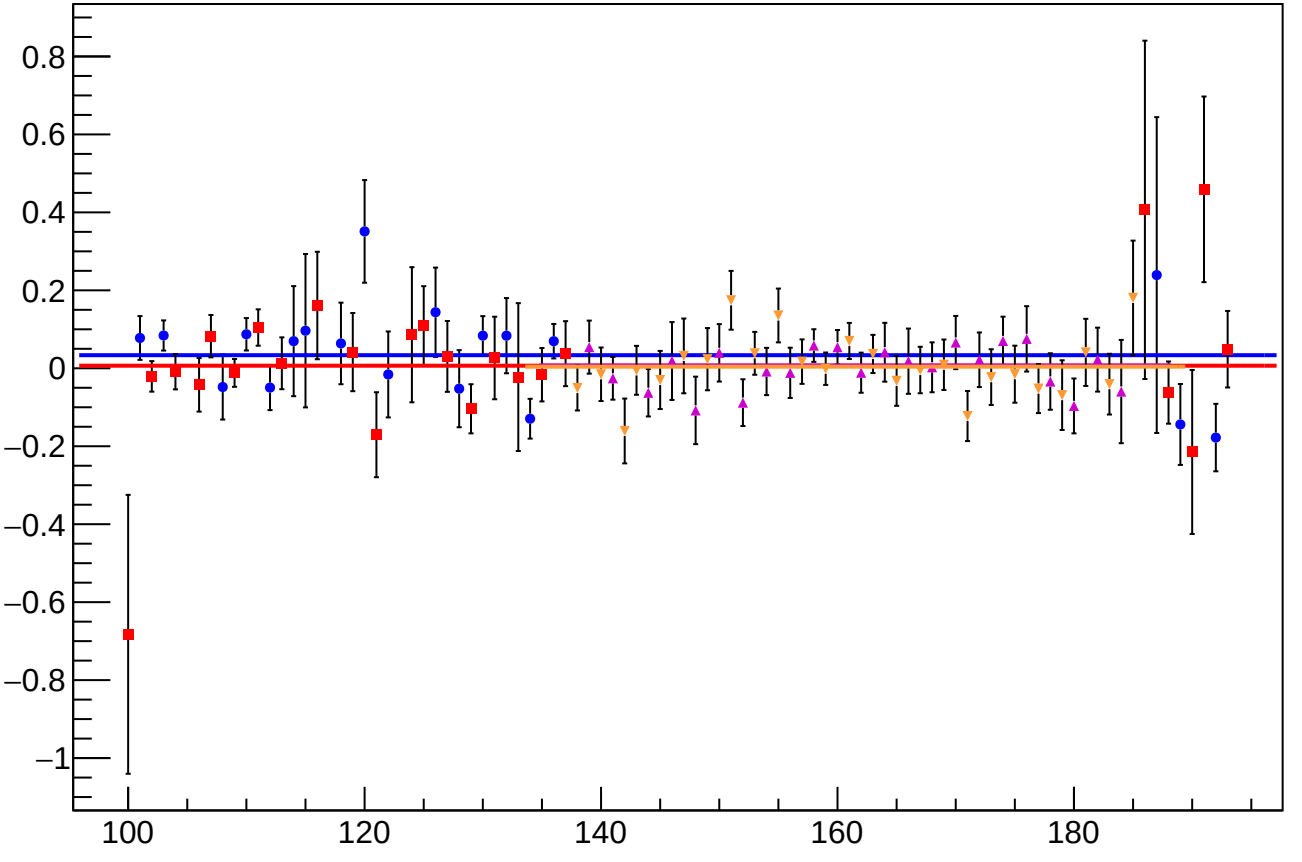
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4424164.8/43

All: 0.000+/-0.000 χ^2/NDF: 9202363.0/90

- sign 0.000+/-0.000 χ^2/NDF: 4773074.9/46

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: 0.007+/-0.015 χ^2/NDF: 26.7/23

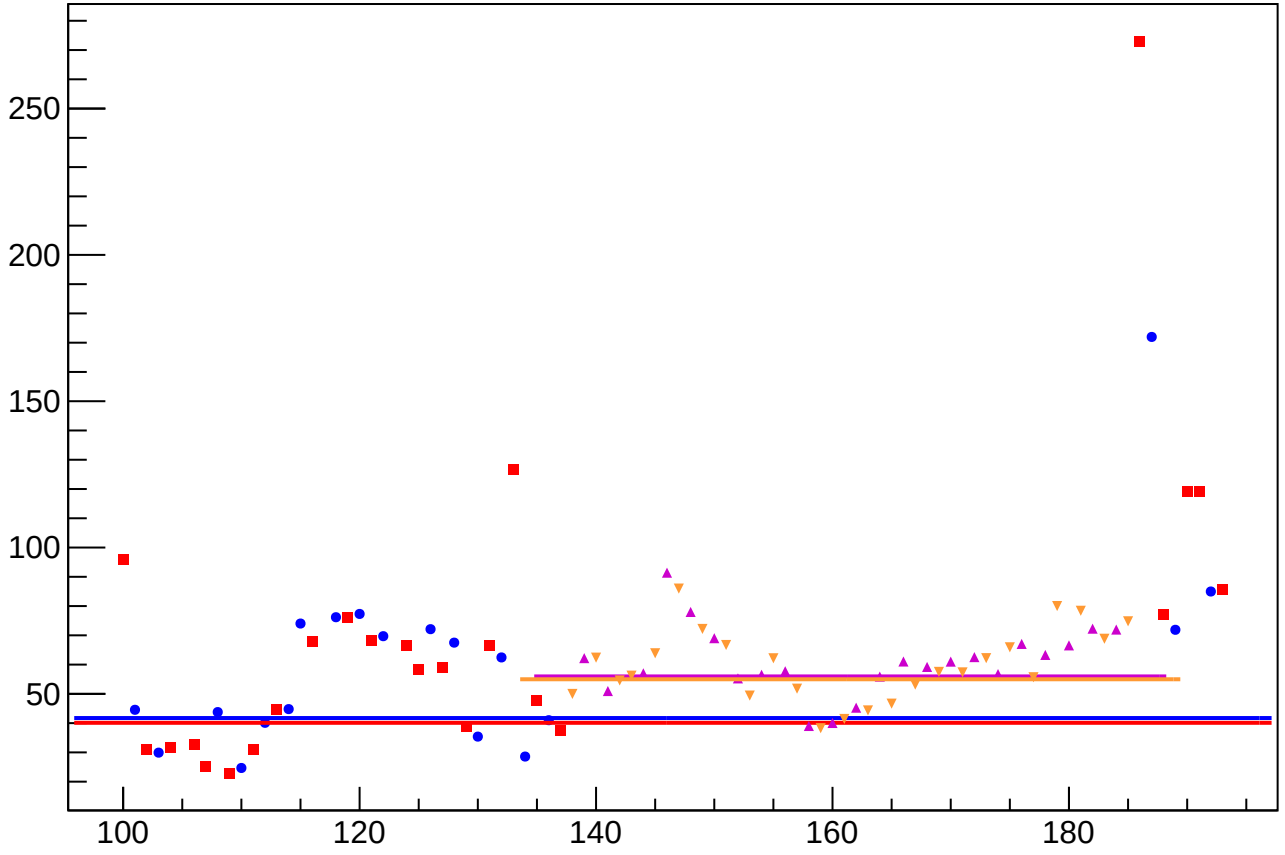
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/43

All: 0.012+/-0.007 χ^2/NDF: 105.3/90

- sign 0.007+/-0.010 χ^2/NDF: 41.7/46

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: 40.111+/-0.010 χ^2/NDF: 4135509.8/23

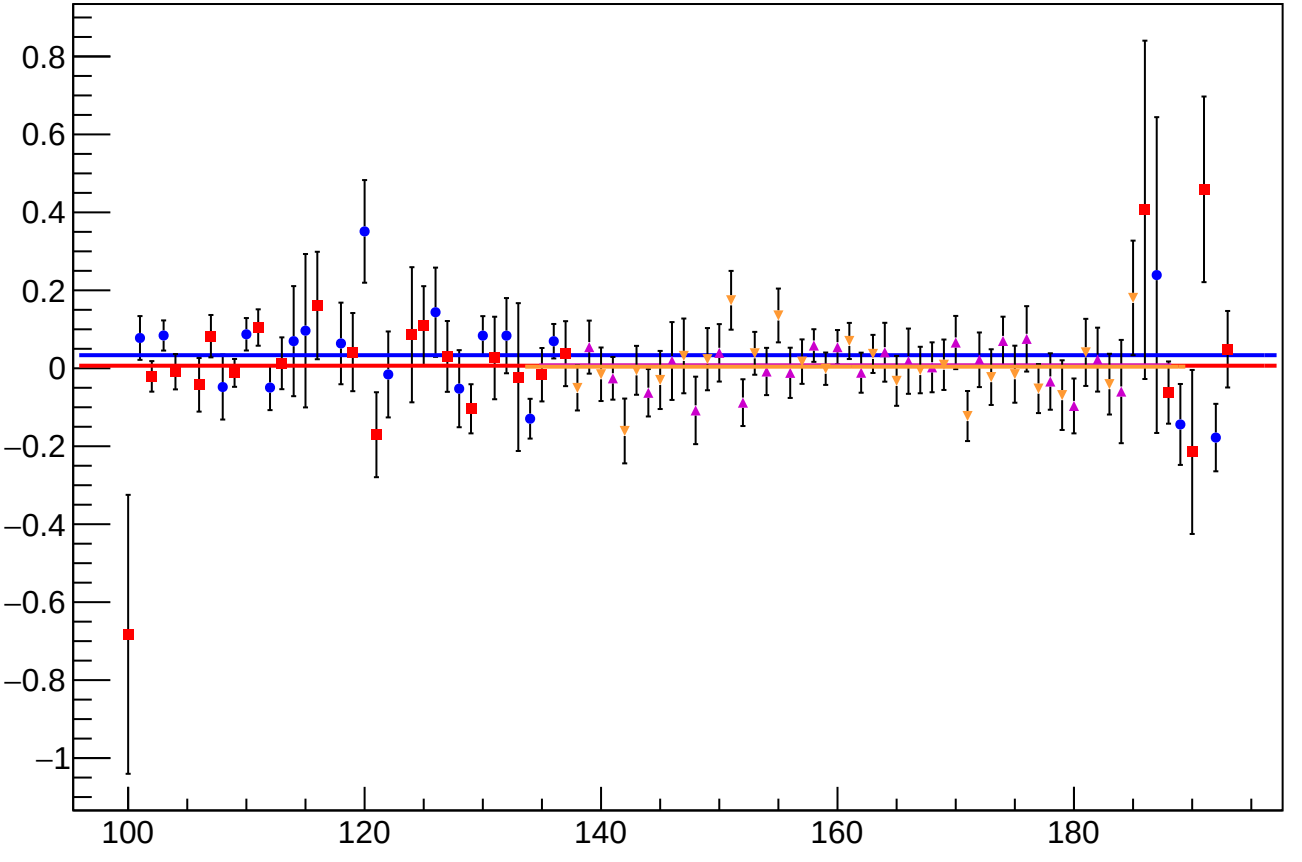
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 49.565+/-0.007 χ^2/NDF: 4909054.2/43

All: 49.104+/-0.005 χ^2/NDF: 11726779.4/90

- sign 48.647+/-0.007 χ^2/NDF: 6809196.1/46

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: 0.007+/-0.015 χ^2/NDF: 26.7/23

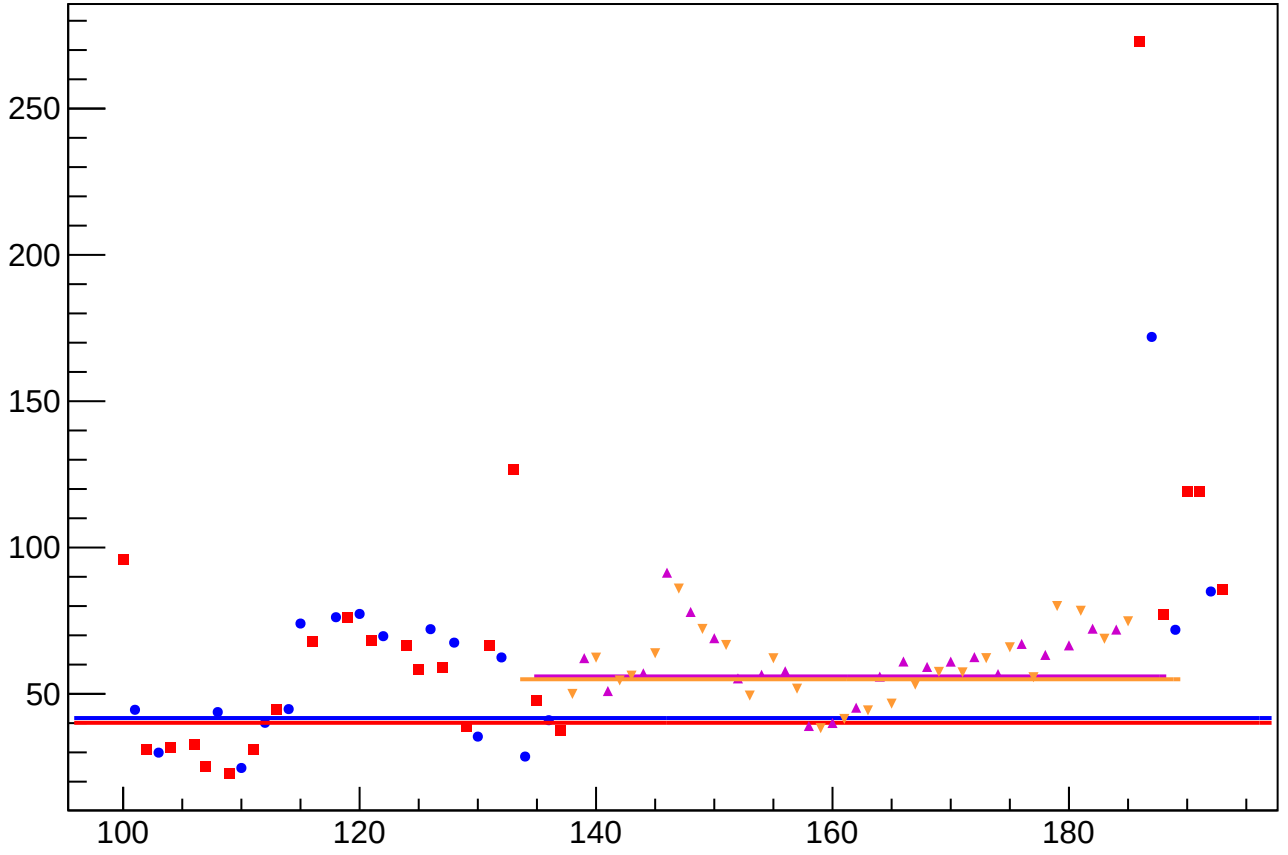
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/43

All: 0.012+/-0.007 χ^2/NDF: 105.3/90

- sign 0.007+/-0.010 χ^2/NDF: 41.7/46

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

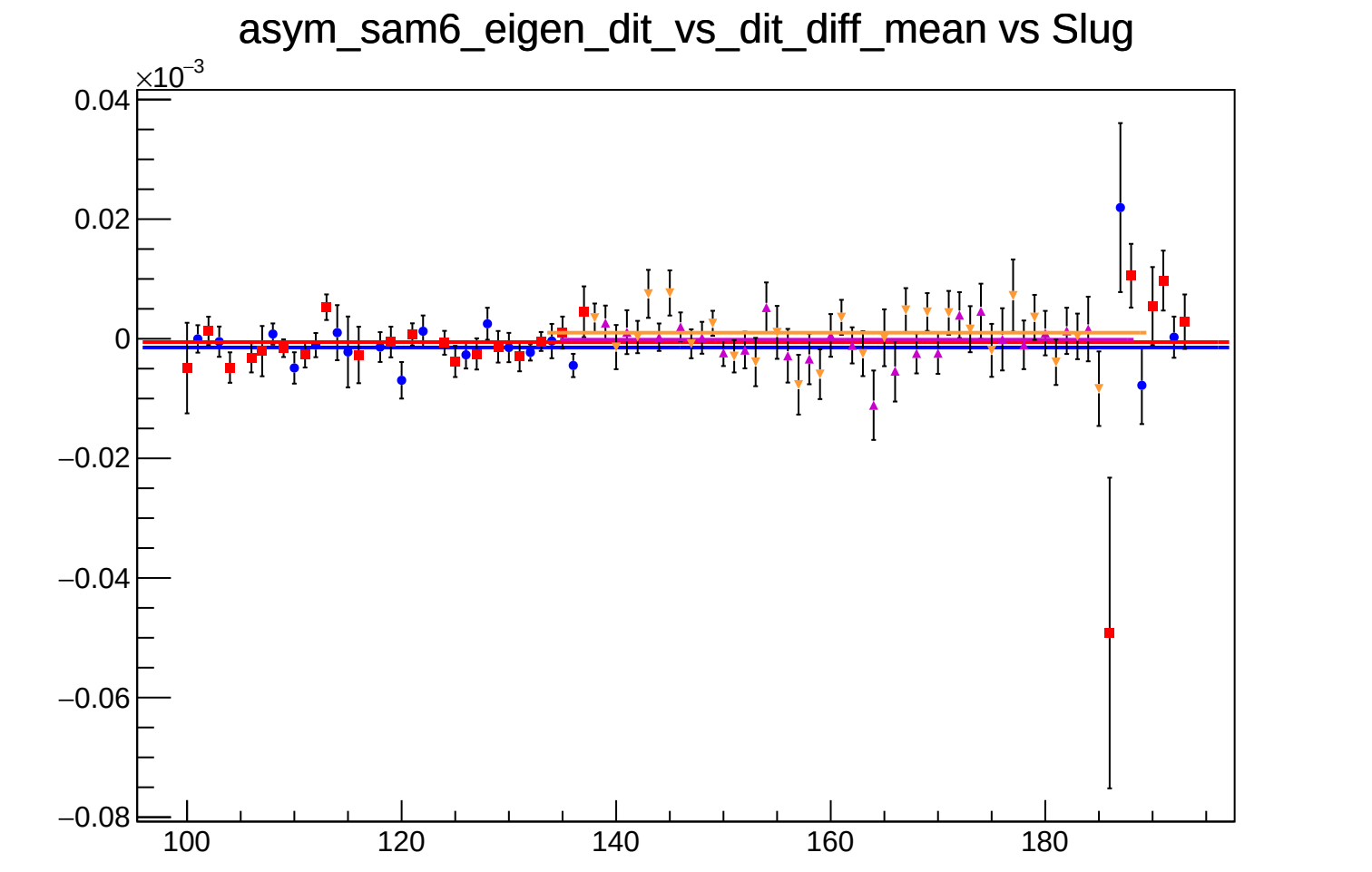
Right Out: 40.111+/-0.010 χ^2/NDF: 4135509.8/23

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 49.565+/-0.007 χ^2/NDF: 4909054.2/43

All: 49.104+/-0.005 χ^2/NDF: 11726779.4/90

- sign 48.647+/-0.007 χ^2/NDF: 6809196.1/46



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: 32.9/23

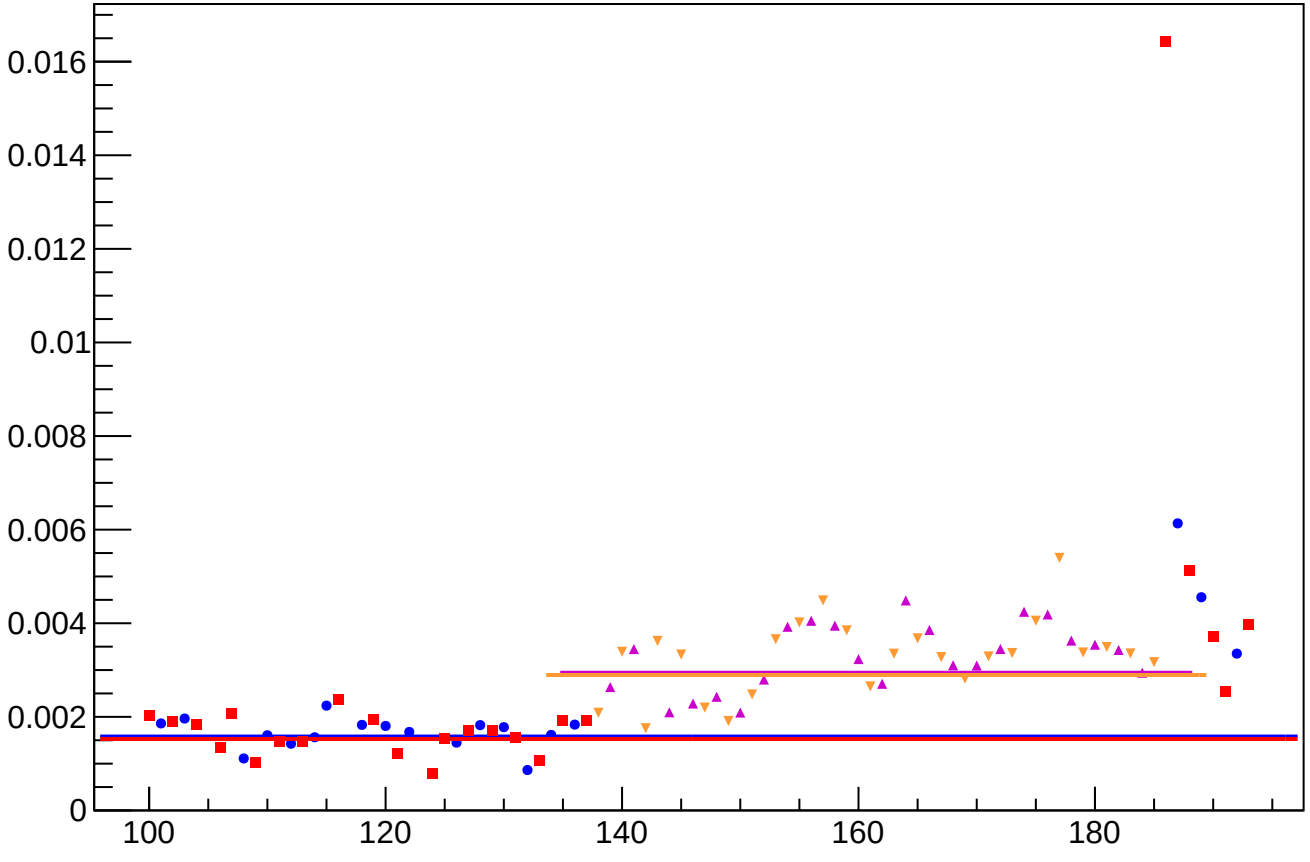
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.1/43

All: -0.000+/-0.000 χ^2/NDF: 101.2/90

- sign -0.000+/-0.000 χ^2/NDF: 47.1/46

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: 0.002+/-0.000 χ^2/NDF: 3536996.8/23

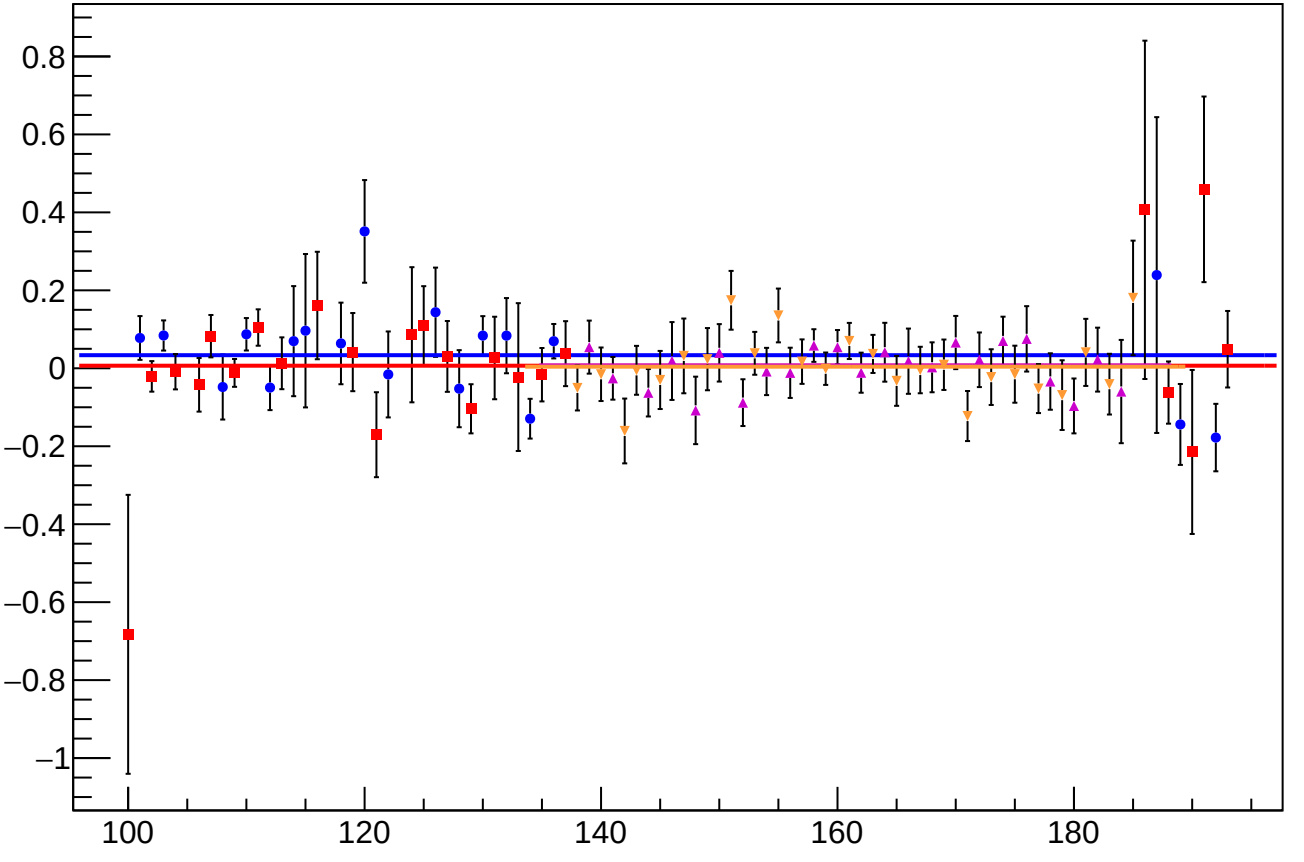
Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 9057303.3/43

All: 0.002+/-0.000 χ^2/NDF: 19605681.2/90

- sign 0.002+/-0.000 χ^2/NDF: 10513700.4/46

asym_sam6_eigen_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: 0.007+/-0.015 χ^2/NDF: 26.7/23

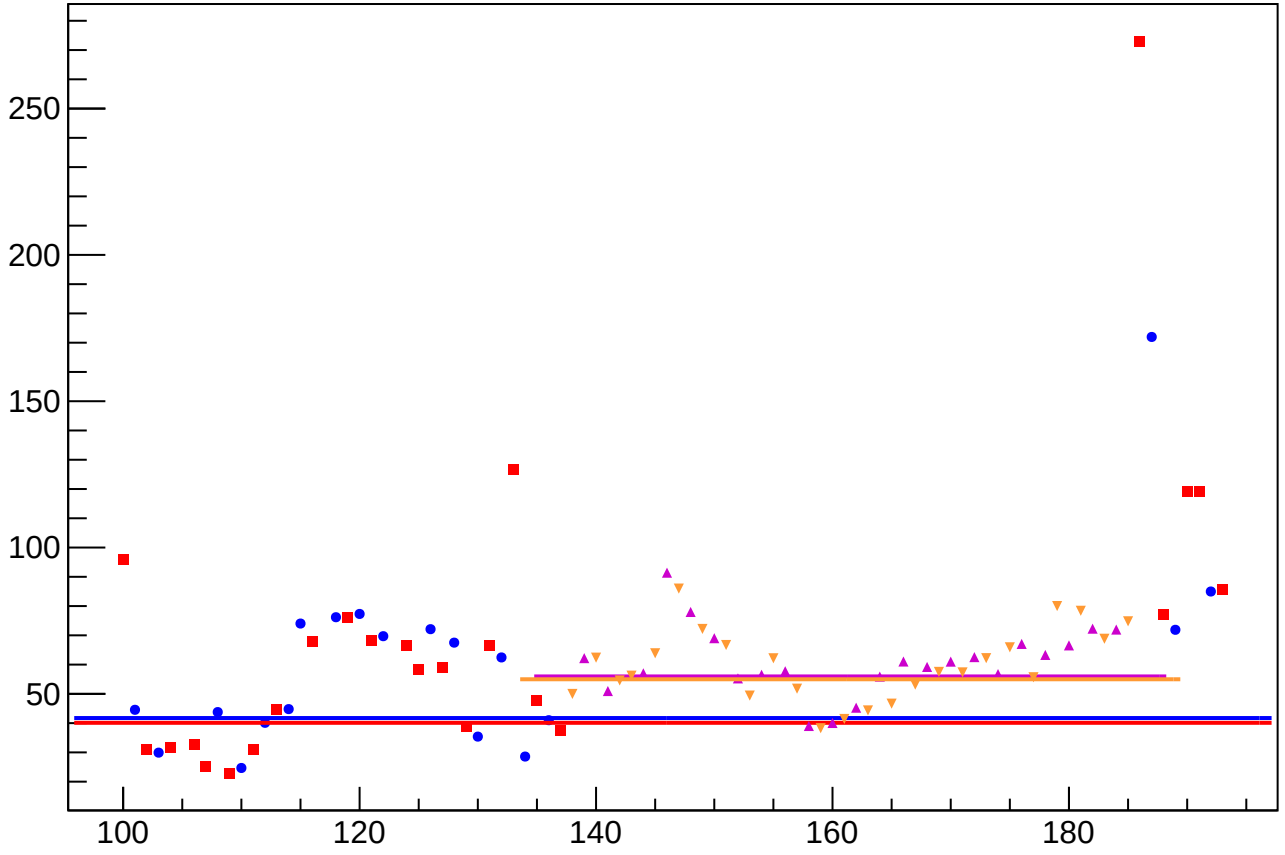
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/43

All: 0.012+/-0.007 χ^2/NDF: 105.3/90

- sign 0.007+/-0.010 χ^2/NDF: 41.7/46

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

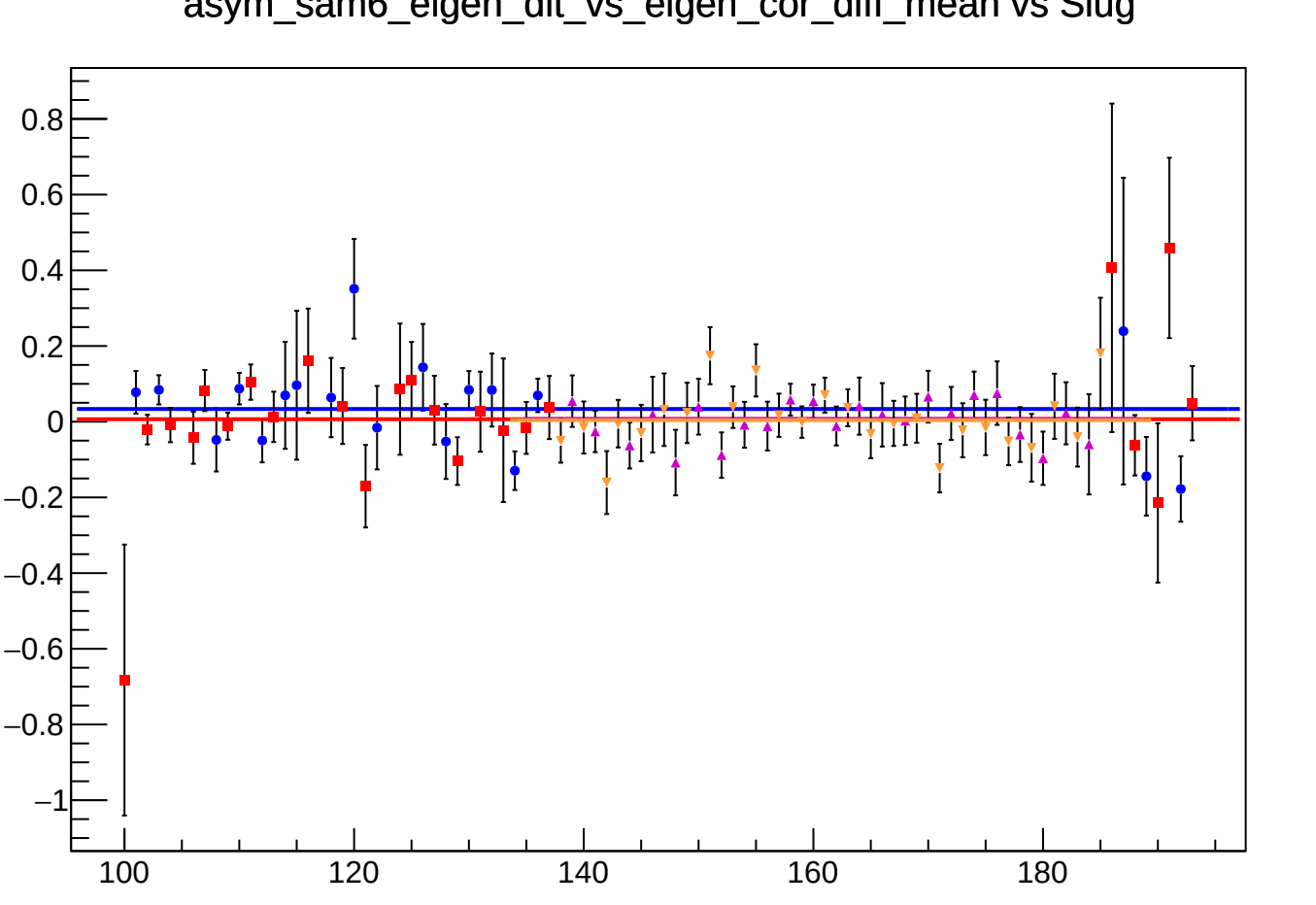
Right Out: 40.110+/-0.010 χ^2/NDF: 4135474.9/23

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 49.564+/-0.007 χ^2/NDF: 4909177.3/43

All: 49.103+/-0.005 χ^2/NDF: 11726926.5/90

- sign 48.646+/-0.007 χ^2/NDF: 6809221.7/46



Right In: 0.034+/-0.016 χ^2/NDF: 36.3/18

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.007+/-0.015 χ^2/NDF: 26.7/23

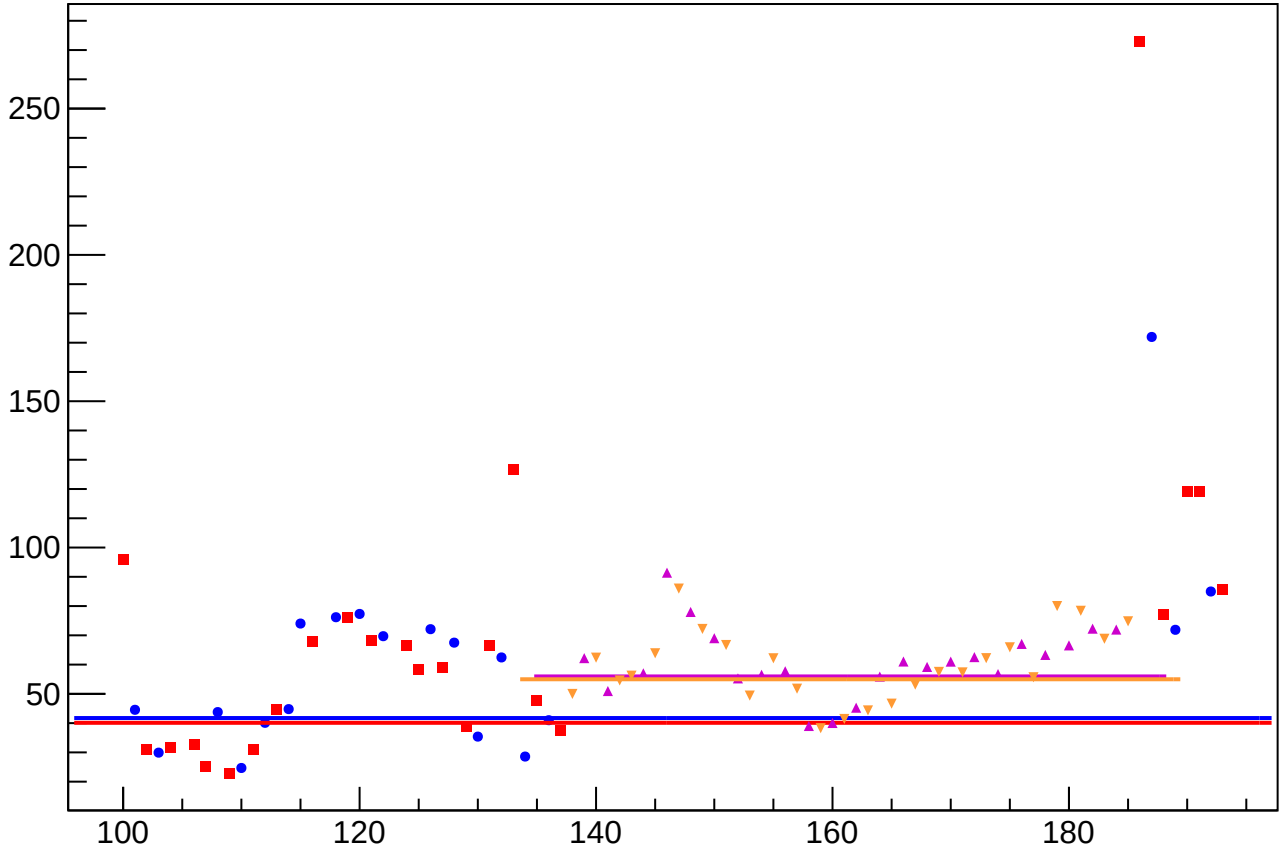
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/43

All: 0.012+/-0.007 χ^2/NDF: 105.3/90

- sign 0.007+/-0.010 χ^2/NDF: 41.7/46

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: 40.110+/-0.010 χ^2/NDF: 4135474.9/23

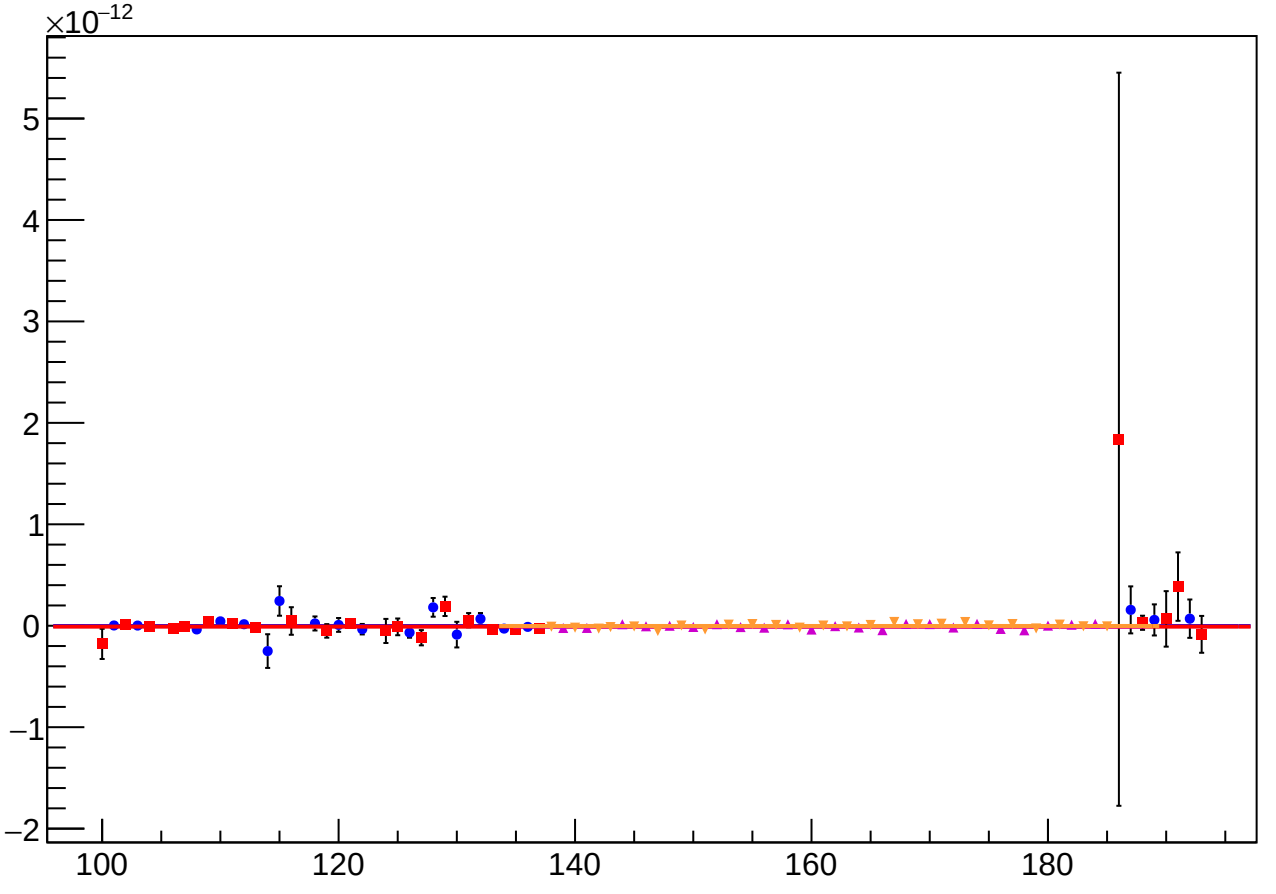
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 49.564+/-0.007 χ^2/NDF: 4909177.3/43

All: 49.103+/-0.005 χ^2/NDF: 11726926.5/90

- sign 48.646+/-0.007 χ^2/NDF: 6809221.7/46

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/18

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

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/23

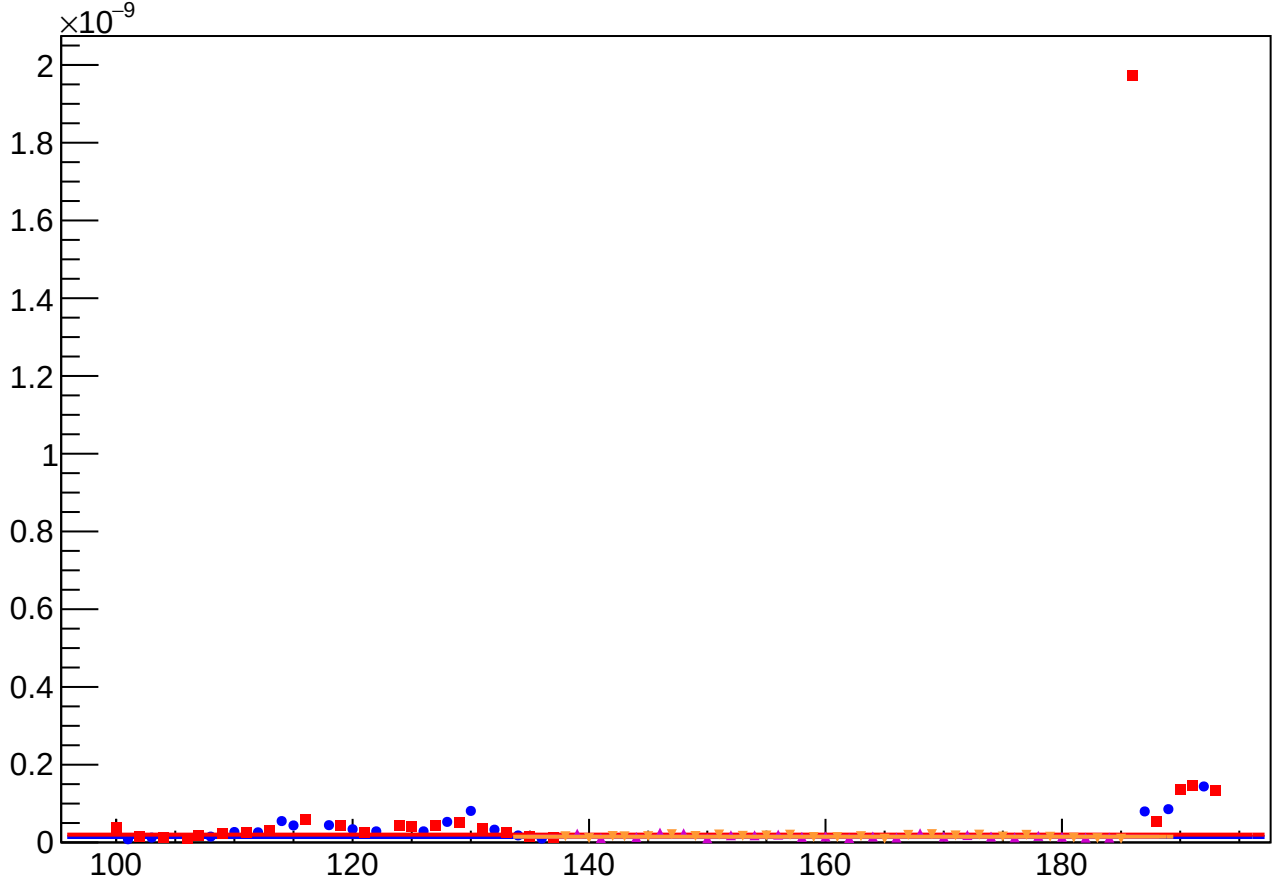
Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.7/43

All: -0.000+/-0.000 χ^2/NDF: 77.3/90

- sign -0.000+/-0.000 χ^2/NDF: 39.9/46

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: 4567361.7/23

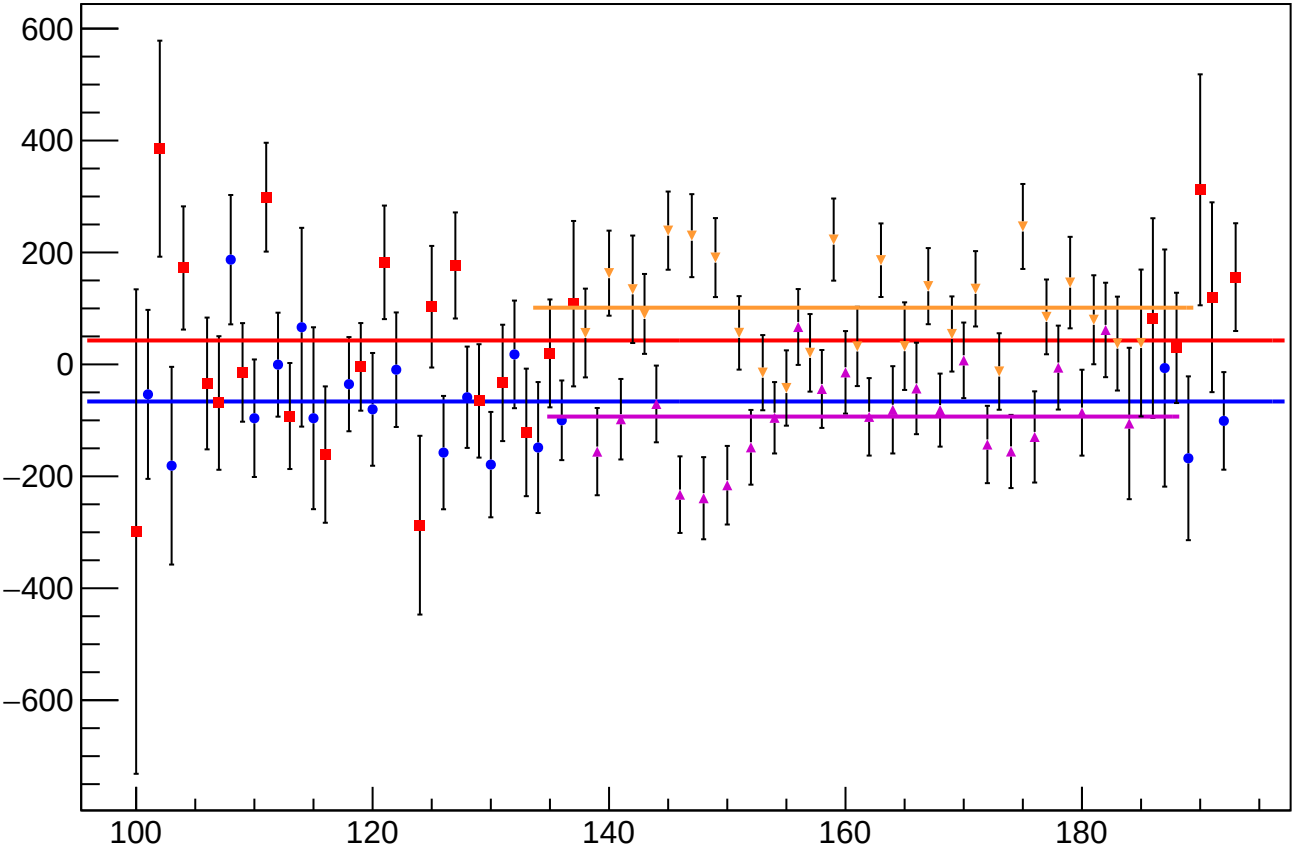
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6158282.0/43

All: 0.000+/-0.000 χ^2/NDF: 12817108.7/90

- sign 0.000+/-0.000 χ^2/NDF: 6538139.7/46

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: 42.759+/-23.019 χ^2/NDF: 34.8/23

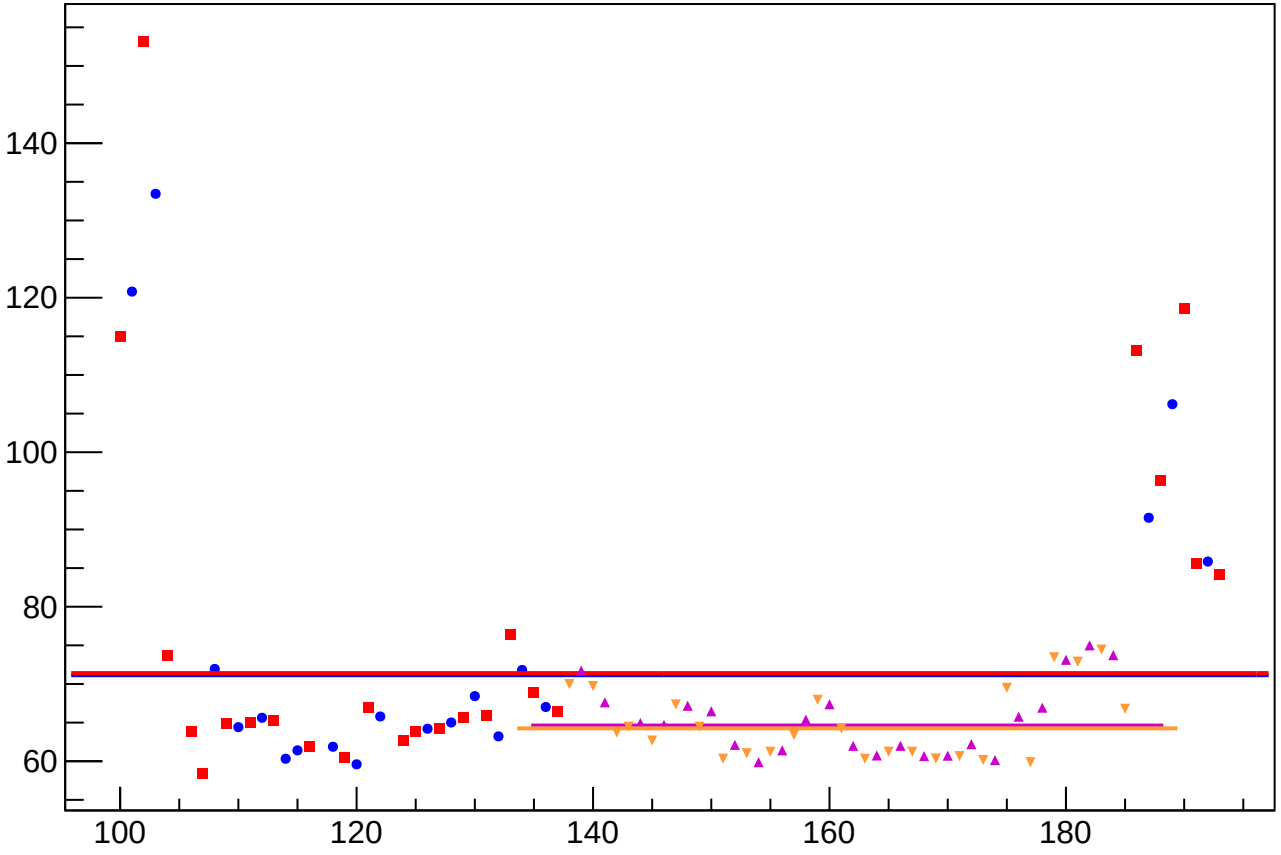
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 57.072+/-12.561 χ^2/NDF: 79.8/43

All: 2.820+/-8.912 χ^2/NDF: 205.4/90

- sign -52.184+/-12.647 χ^2/NDF: 88.1/46

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: 71.409+/-0.016 χ^2/NDF: 932733.1/23

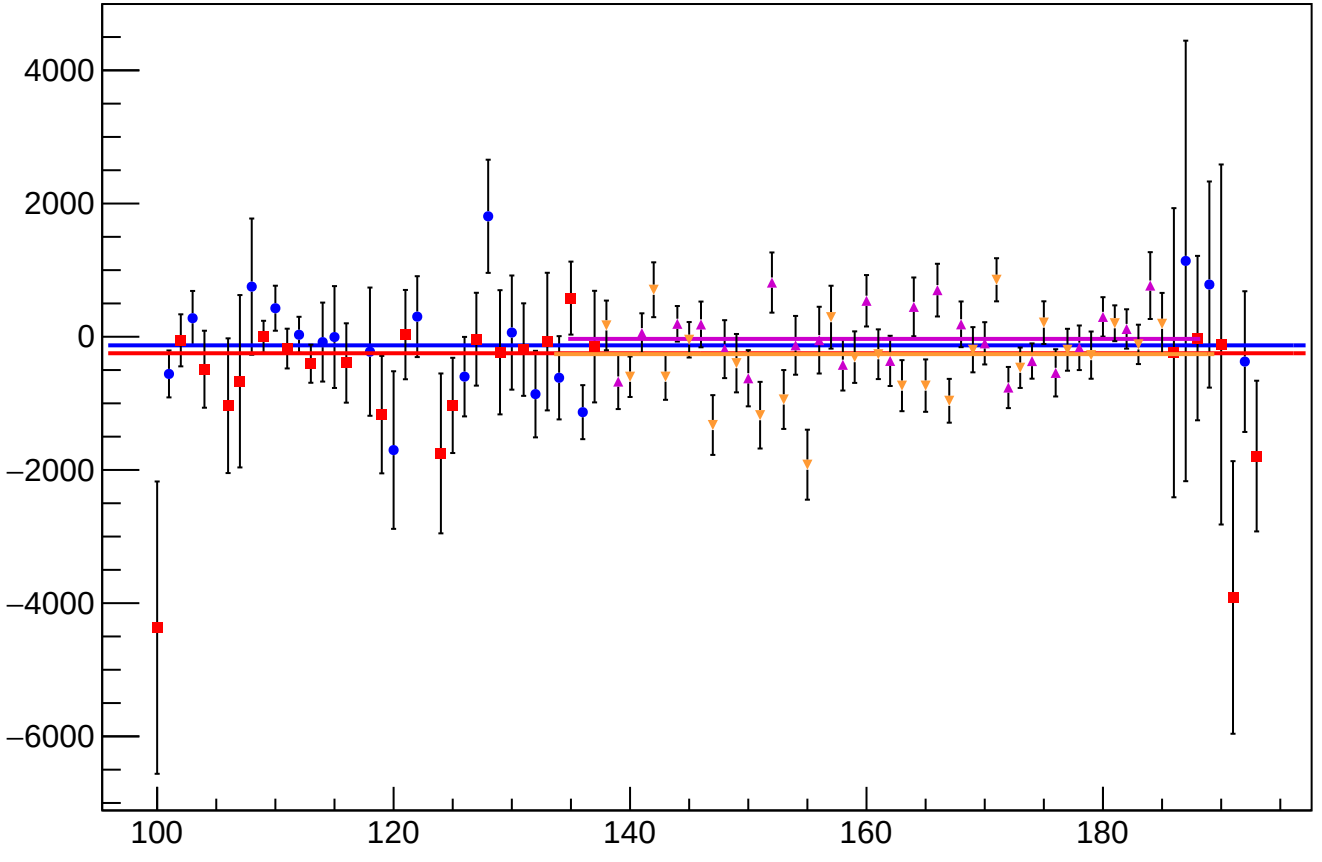
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

\+ sign 66.073+/-0.009 χ^2/NDF: 1076281.1/43

All: 66.369+/-0.006 χ^2/NDF: 2279885.5/90

\- sign 66.670+/-0.009 χ^2/NDF: 1201356.5/46

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: -247.852+/-116.162 χ^2/NDF: 17.7/23

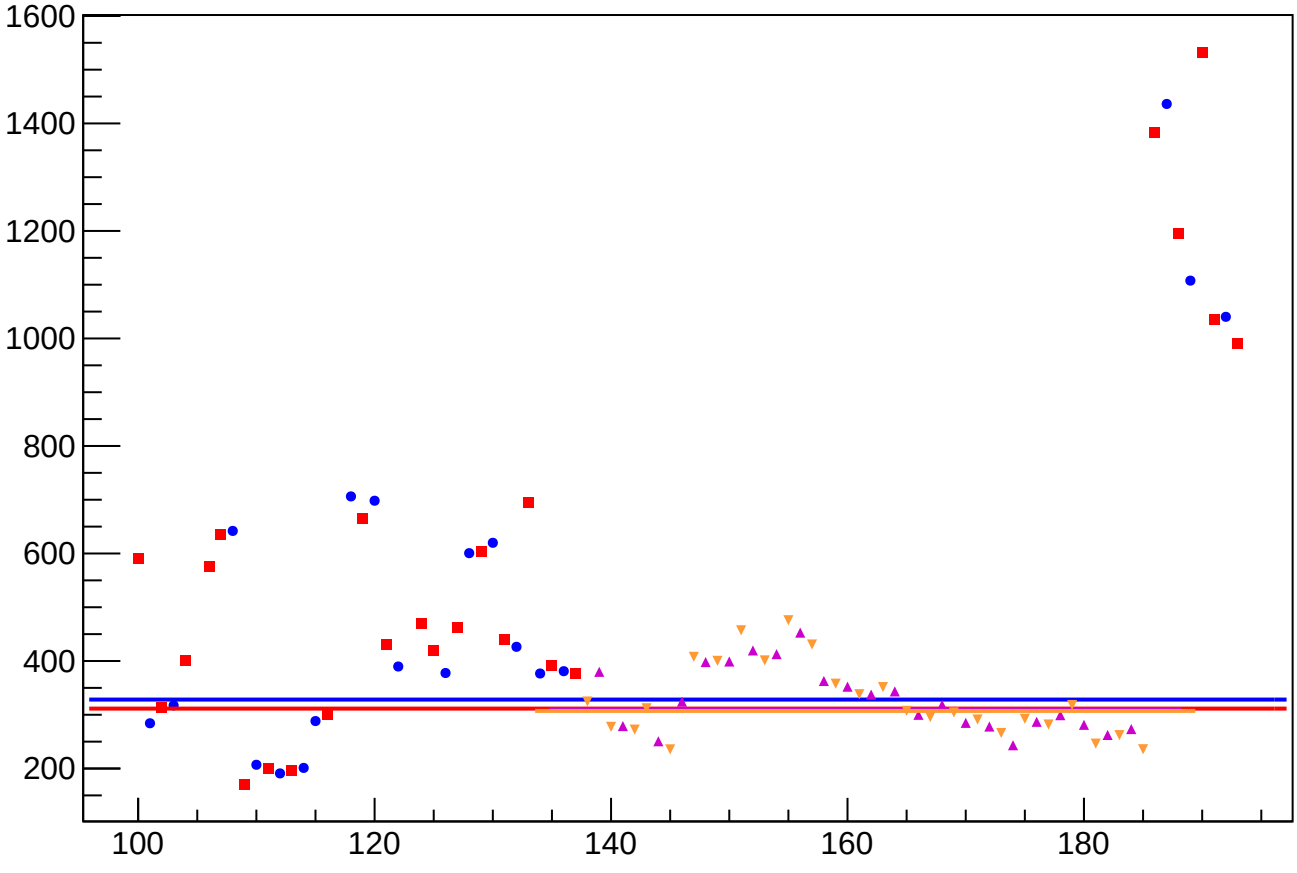
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

\+ sign -228.567+/-61.854 χ^2/NDF: 82.7/43

All: -161.989+/-43.899 χ^2/NDF: 136.9/90

\- sign -94.417+/-62.314 χ^2/NDF: 51.9/46

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: 311.465+/-0.082 χ^2/NDF: 5681007.0/23

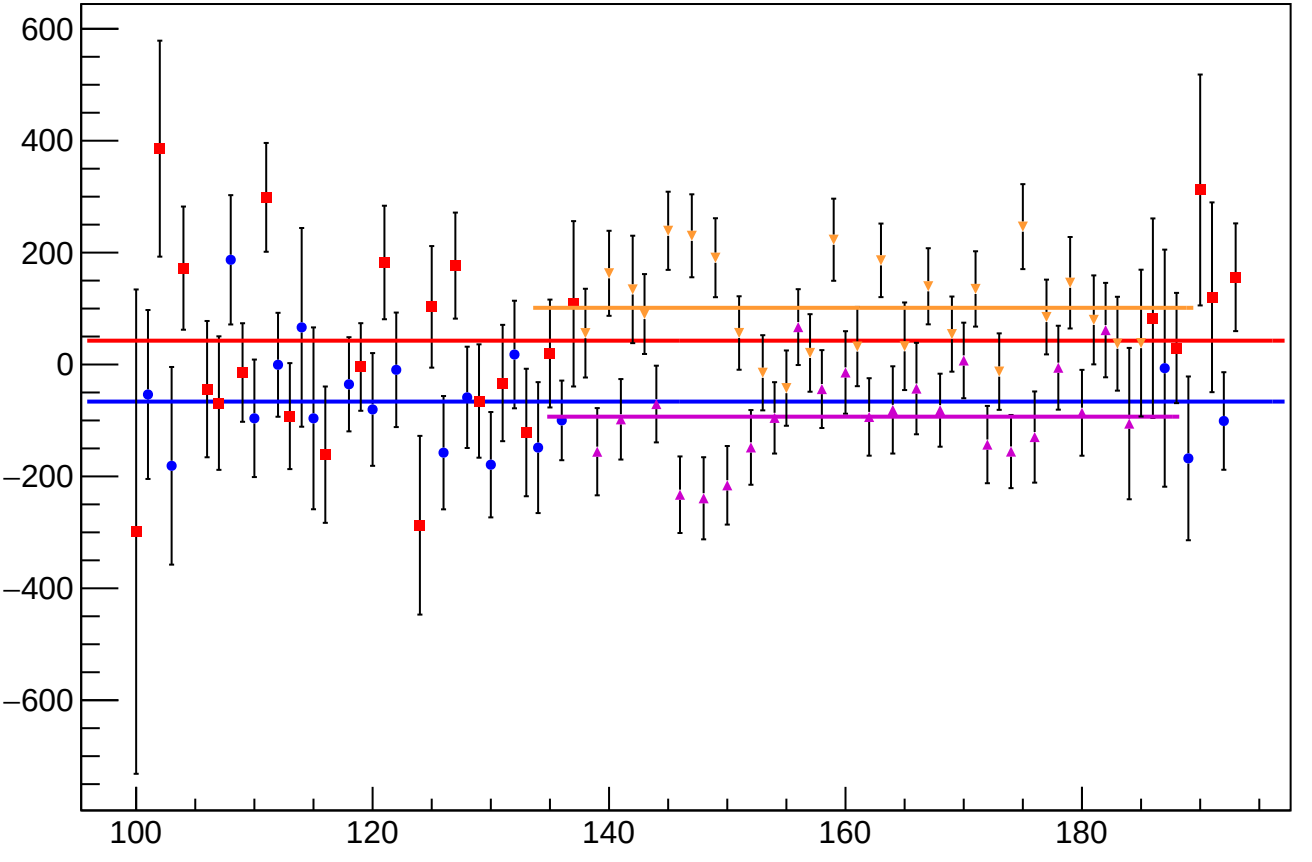
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 312.354+/-0.044 χ^2/NDF: 5163359.9/43

All: 311.642+/-0.031 χ^2/NDF: 11924440.1/90

- sign 310.918+/-0.044 χ^2/NDF: 6760545.5/46

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: 42.600+/-23.048 χ^2/NDF: 34.9/23

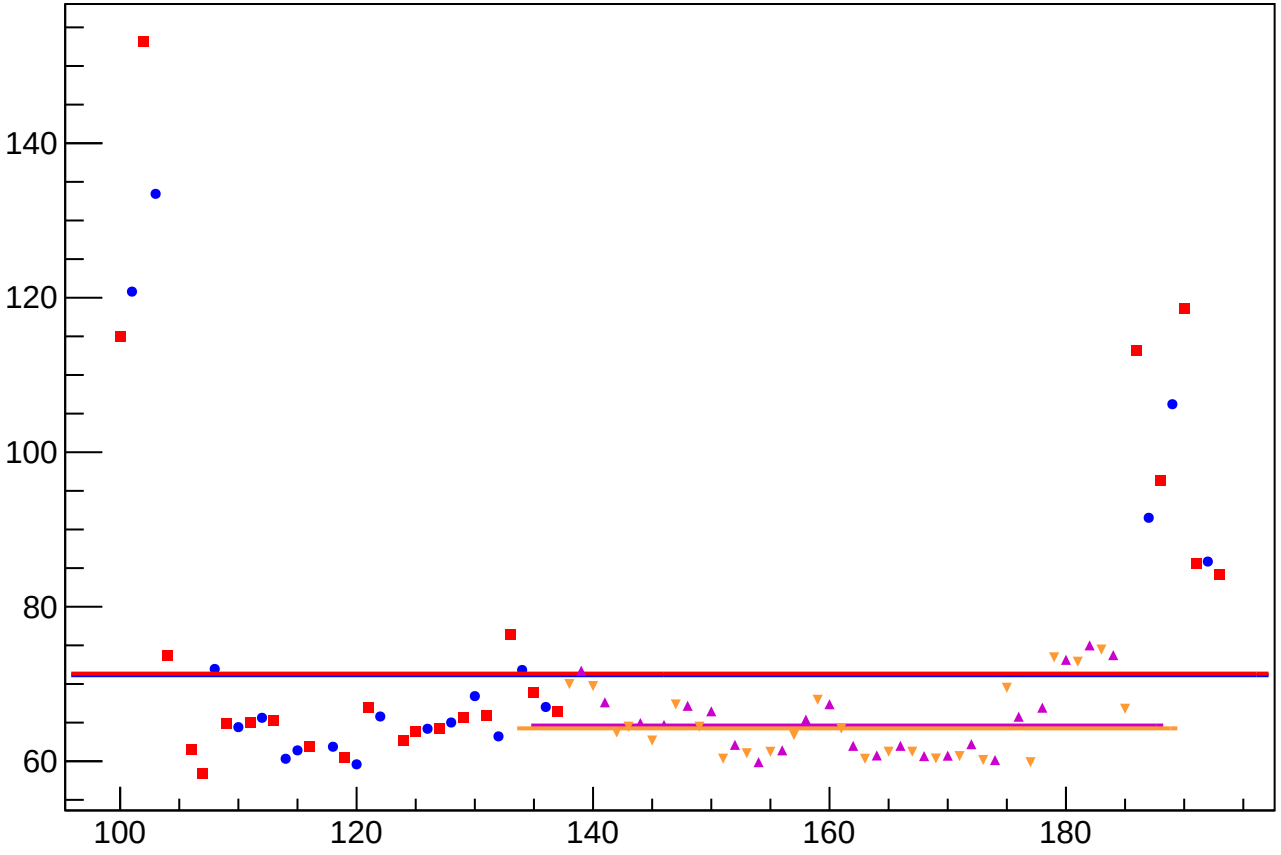
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 57.072+/-12.561 χ^2/NDF: 79.8/43

All: 2.781+/-8.914 χ^2/NDF: 205.5/90

- sign -52.304+/-12.652 χ^2/NDF: 88.0/46

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: 71.344+/-0.016 χ^2/NDF: 937731.0/23

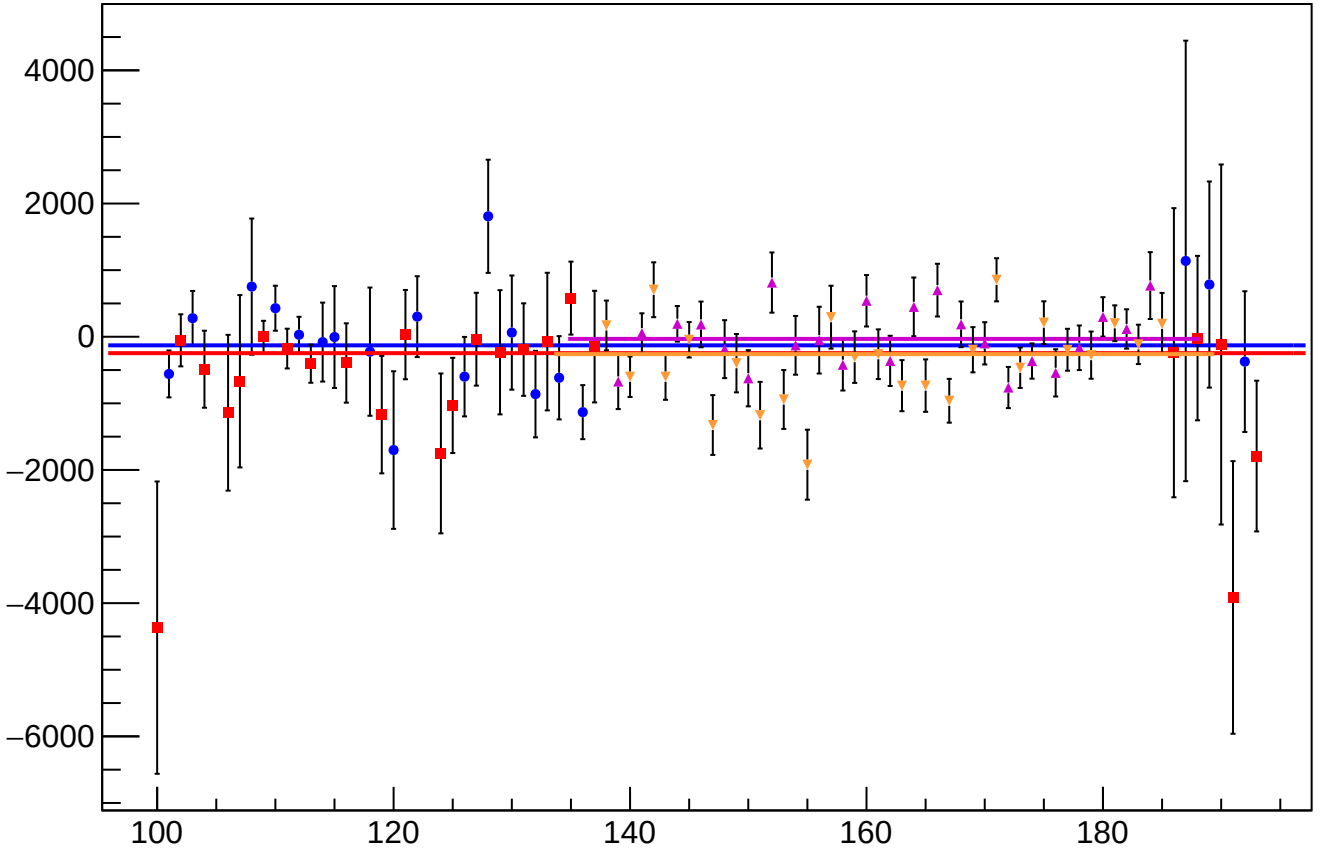
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

\+ sign 66.073+/-0.009 χ^2/NDF: 1076281.4/43

All: 66.358+/-0.006 χ^2/NDF: 2282163.5/90

\- sign 66.647+/-0.009 χ^2/NDF: 1203807.4/46

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: -246.281+/-116.360 χ^2/NDF: 17.7/23

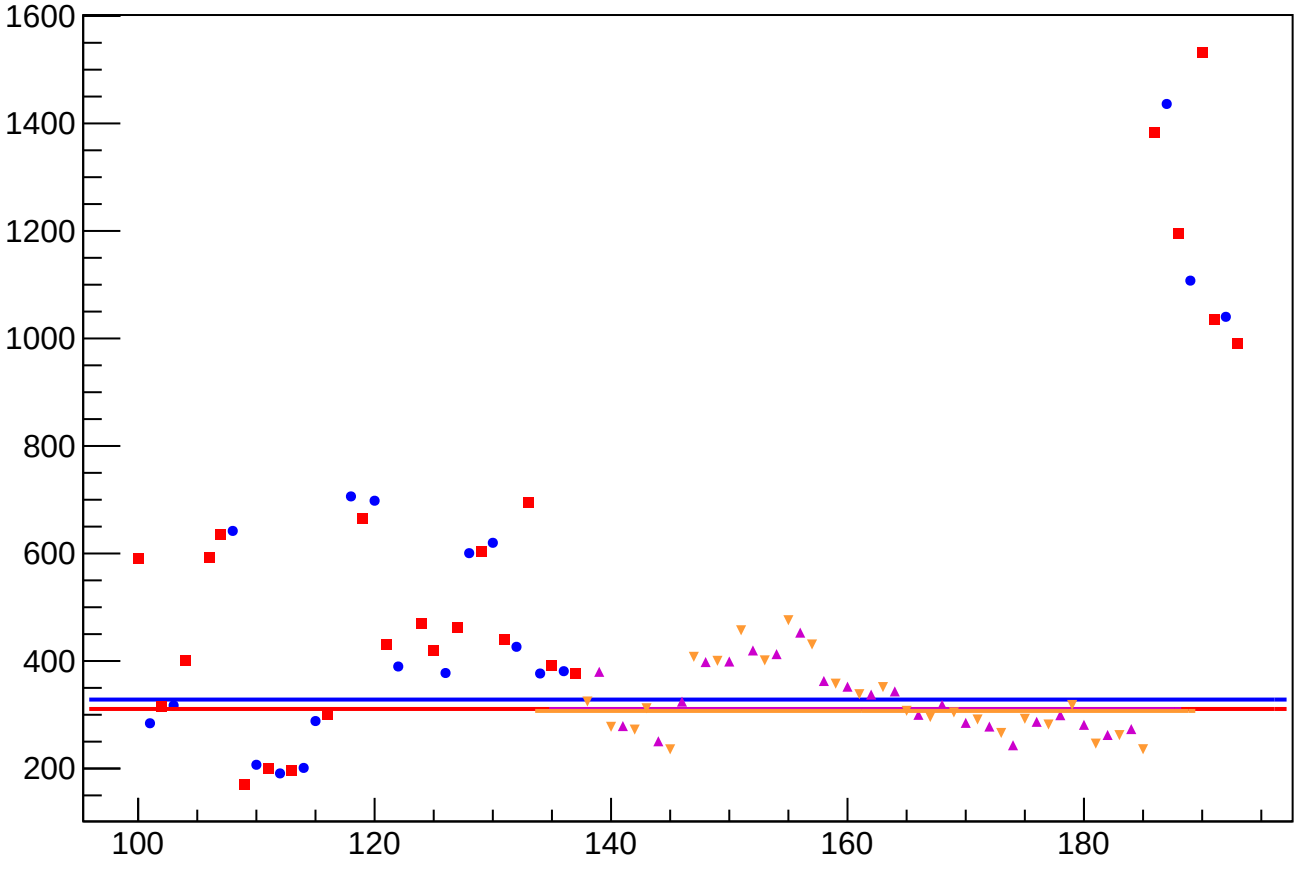
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -228.568+/-61.854 χ^2/NDF: 82.7/43

All: -161.722+/-43.910 χ^2/NDF: 136.8/90

- sign -93.813+/-62.345 χ^2/NDF: 51.8/46

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: 310.775+/-0.082 χ^2/NDF: 5660919.5/23

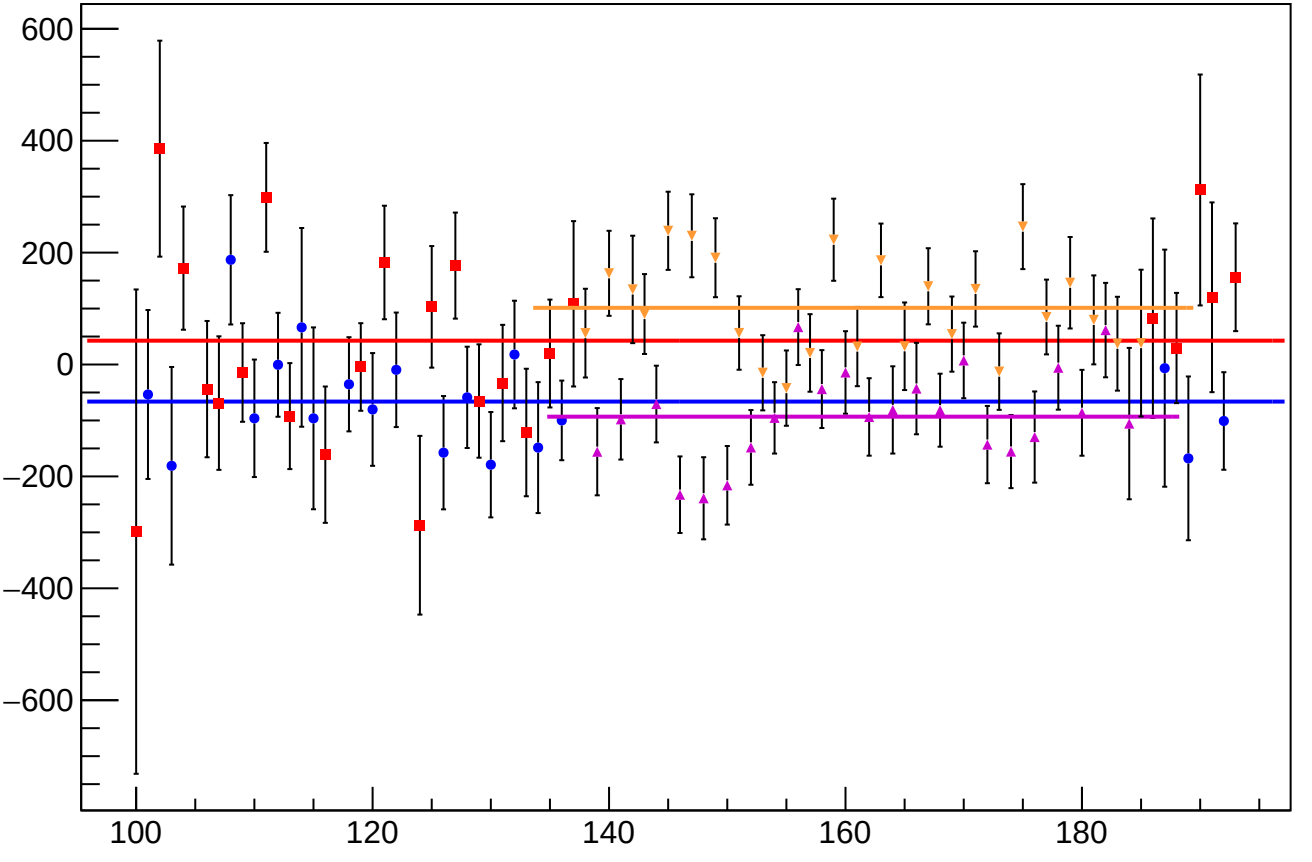
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 312.355+/-0.044 χ^2/NDF: 5163357.8/43

All: 311.544+/-0.031 χ^2/NDF: 11904450.8/90

- sign 310.720+/-0.044 χ^2/NDF: 6740399.9/46

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: 42.600+/-23.048 χ^2/NDF: 34.9/23

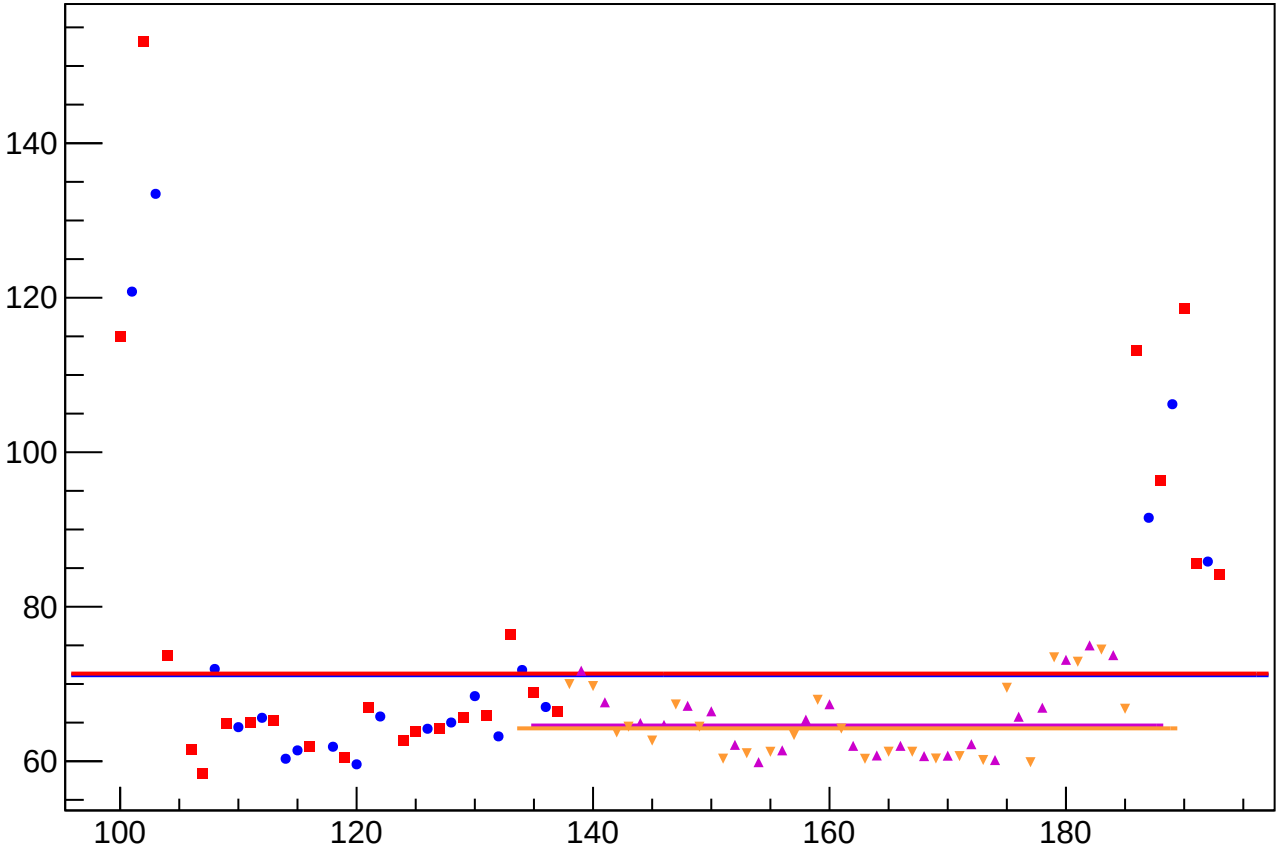
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 57.072+/-12.561 χ^2/NDF: 79.8/43

All: 2.781+/-8.914 χ^2/NDF: 205.5/90

- sign -52.304+/-12.652 χ^2/NDF: 88.0/46

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

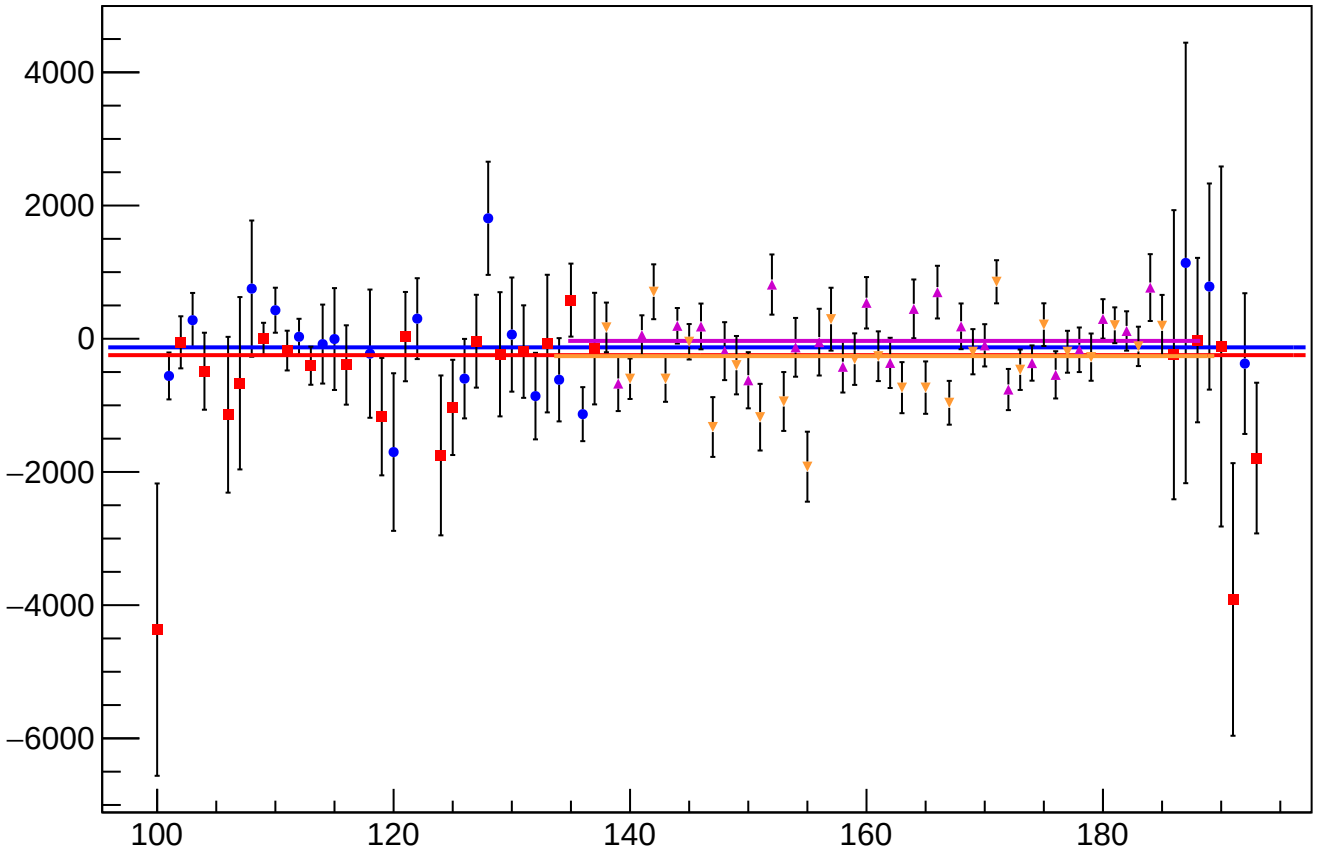
Right Out: 71.344+/-0.016 χ^2/NDF: 937731.0/23

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

\+ sign 66.073+/-0.009 χ^2/NDF: 1076281.4/43

All: 66.358+/-0.006 χ^2/NDF: 2282163.5/90

\- sign 66.647+/-0.009 χ^2/NDF: 1203807.4/46



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: -246.281+/-116.360 χ^2/NDF: 17.7/23

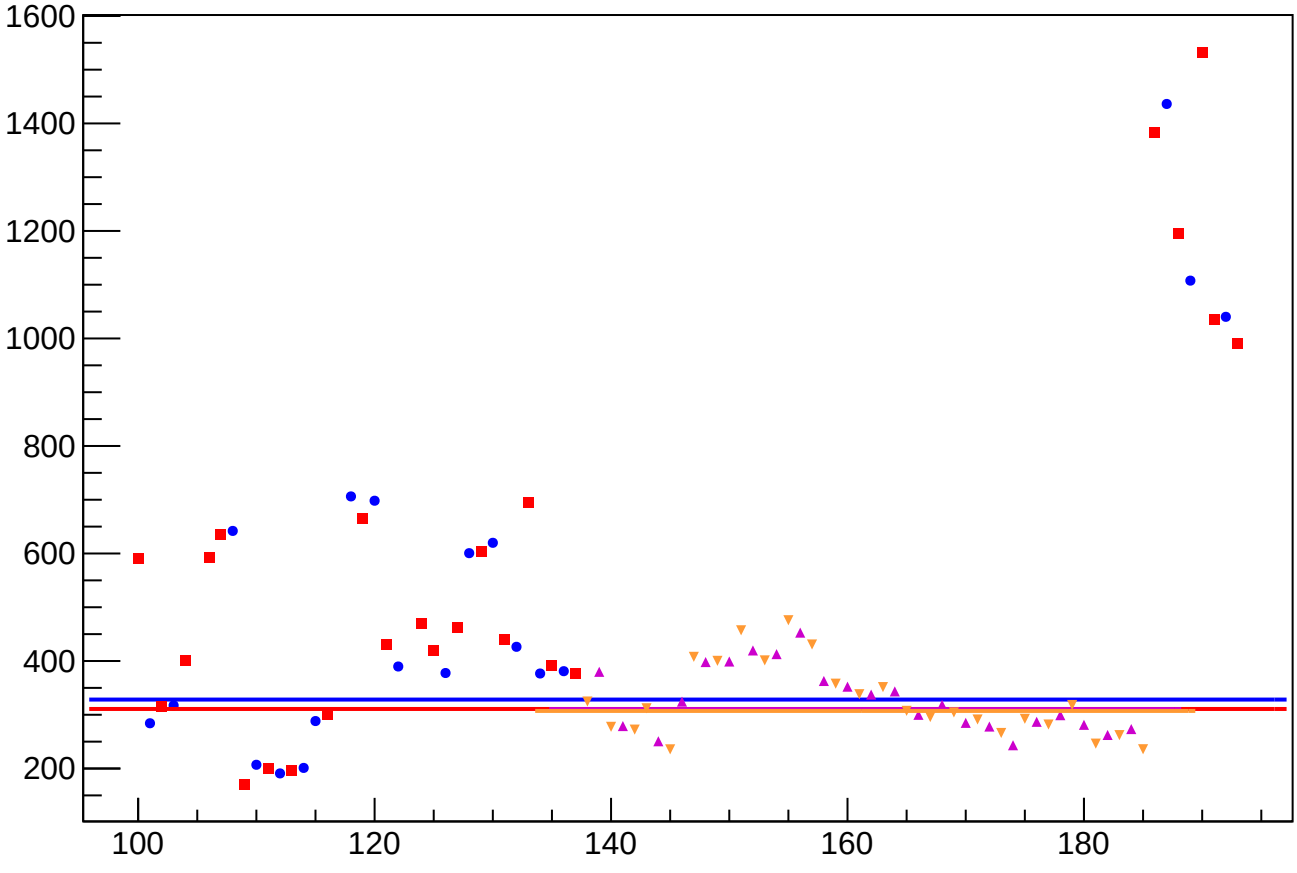
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -228.568+/-61.854 χ^2/NDF: 82.7/43

All: -161.722+/-43.910 χ^2/NDF: 136.8/90

- sign -93.813+/-62.345 χ^2/NDF: 51.8/46

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: 310.775+/-0.082 χ^2/NDF: 5660919.5/23

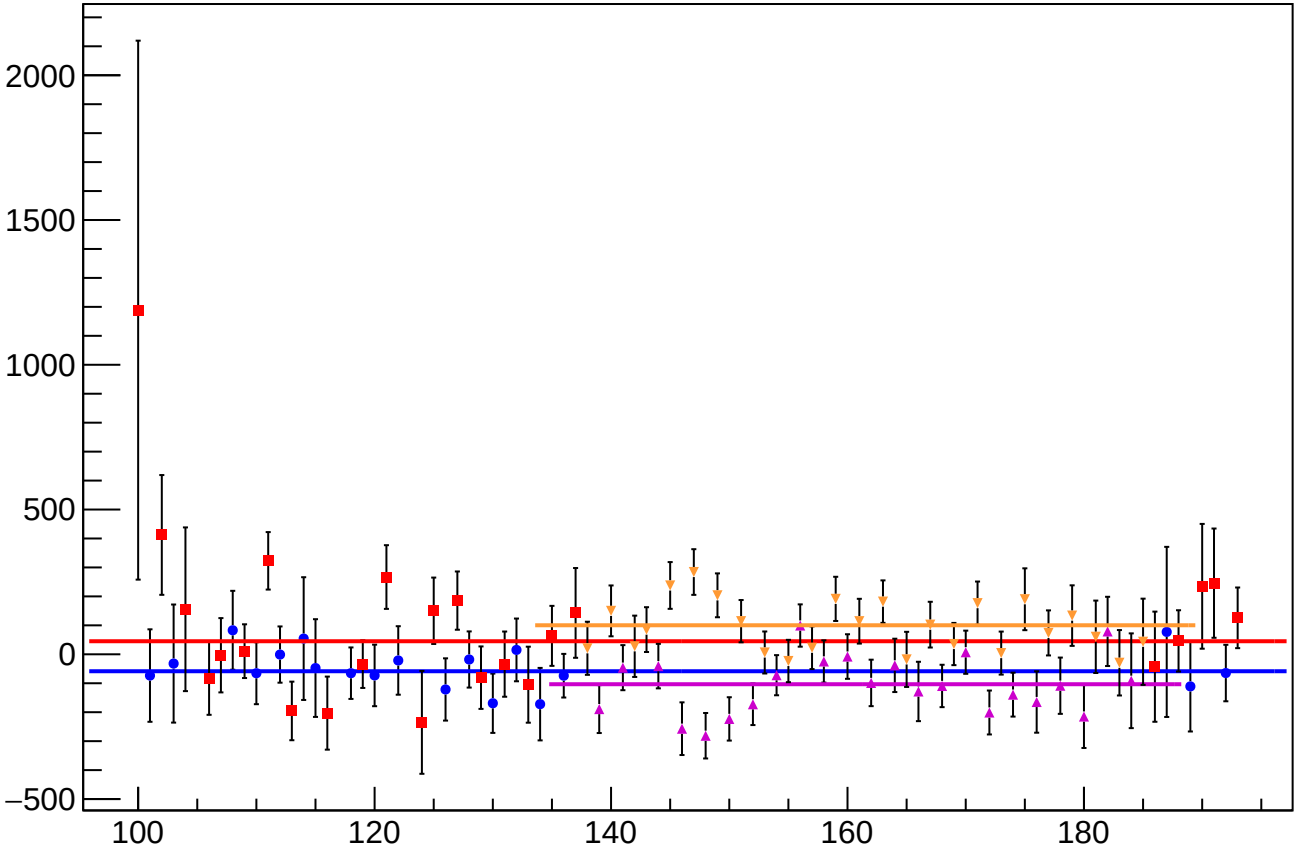
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 312.355+/-0.044 χ^2/NDF: 5163357.8/43

All: 311.544+/-0.031 χ^2/NDF: 11904450.8/90

- sign 310.720+/-0.044 χ^2/NDF: 6740399.9/46

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: 45.116+/-25.080 χ^2/NDF: 40.0/23

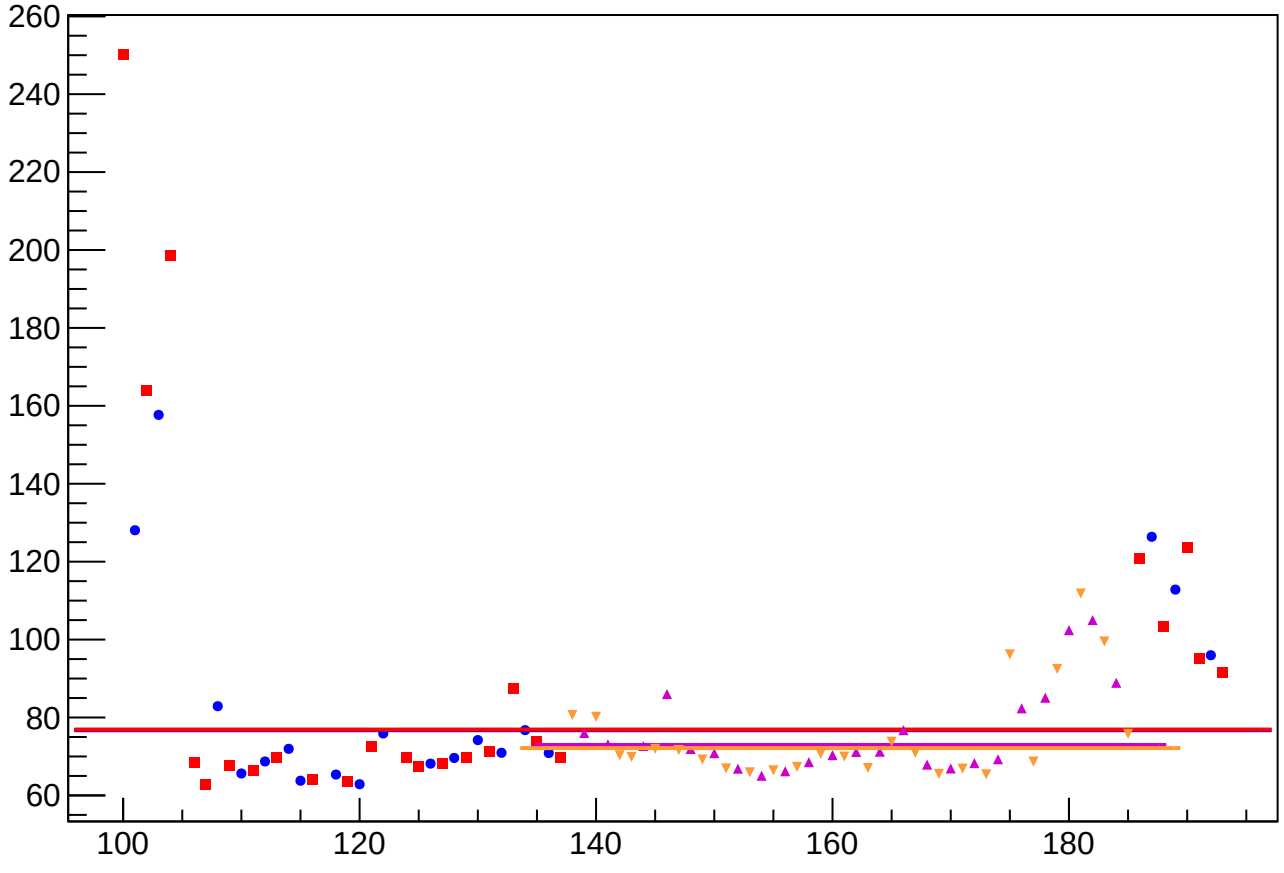
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 55.397+/-14.081 χ^2/NDF: 58.7/43

All: 0.418+/-10.005 χ^2/NDF: 186.0/90

- sign -55.641+/-14.219 χ^2/NDF: 96.5/46

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: 76.907+/-0.018 χ^2/NDF: 1405342.3/23

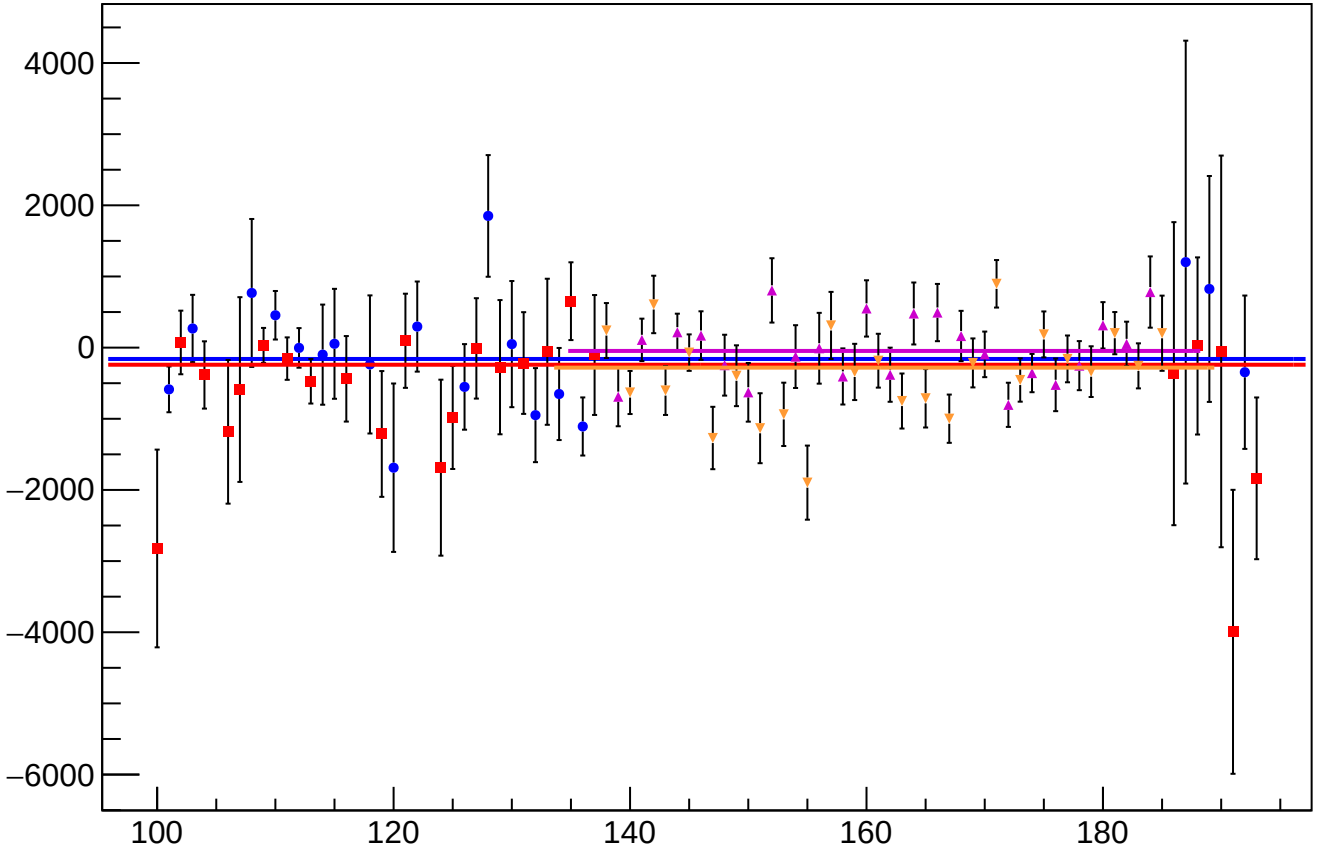
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 73.447+/-0.010 χ^2/NDF: 1610505.7/43

All: 73.830+/-0.007 χ^2/NDF: 3561678.6/90

- sign 74.221+/-0.010 χ^2/NDF: 1948186.9/46

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: -240.372+/-118.406 χ^2/NDF: 19.2/23

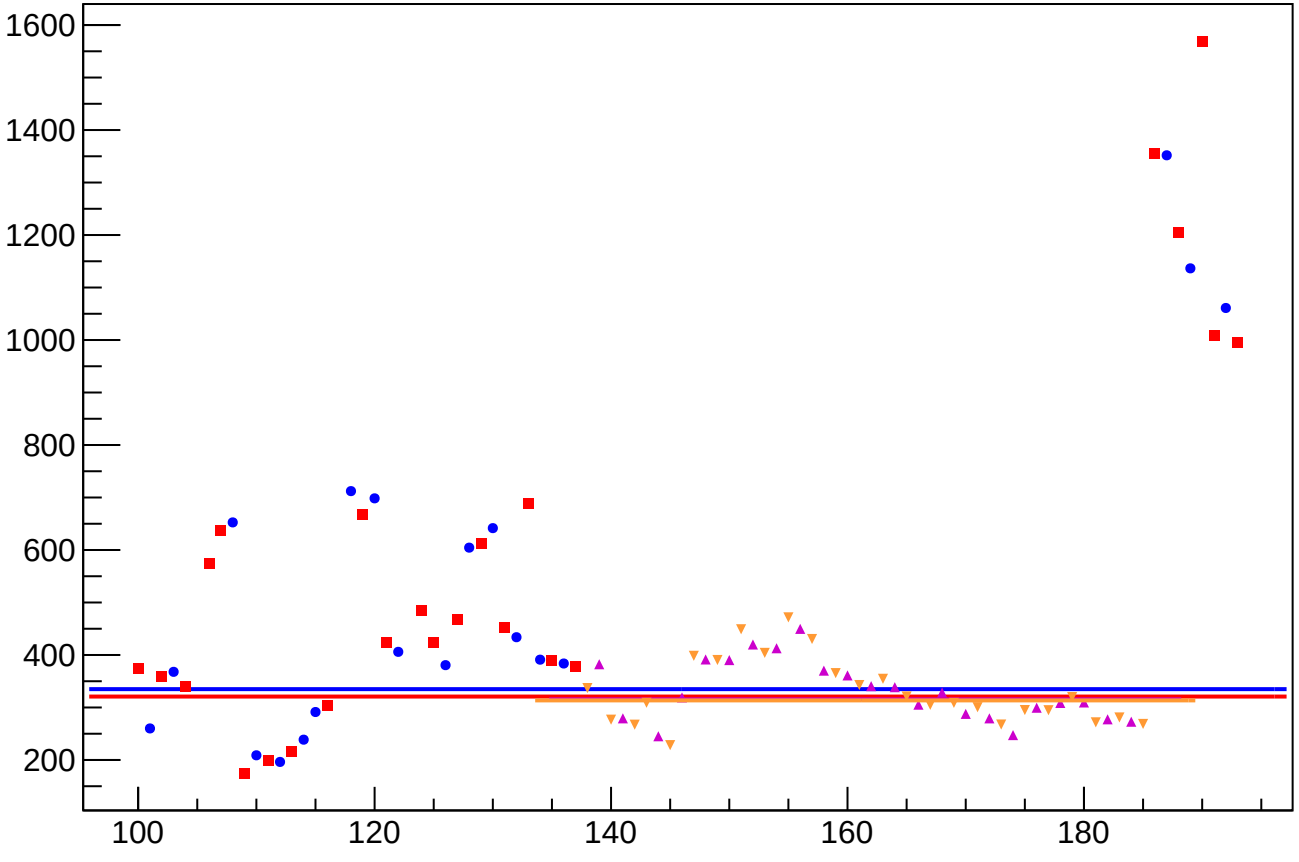
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -251.246+/-62.990 χ^2/NDF: 80.8/43

All: -176.962+/-44.649 χ^2/NDF: 135.4/90

- sign -101.953+/-63.297 χ^2/NDF: 51.9/46

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: 320.815+/-0.084 χ^2/NDF: 5454321.1/23

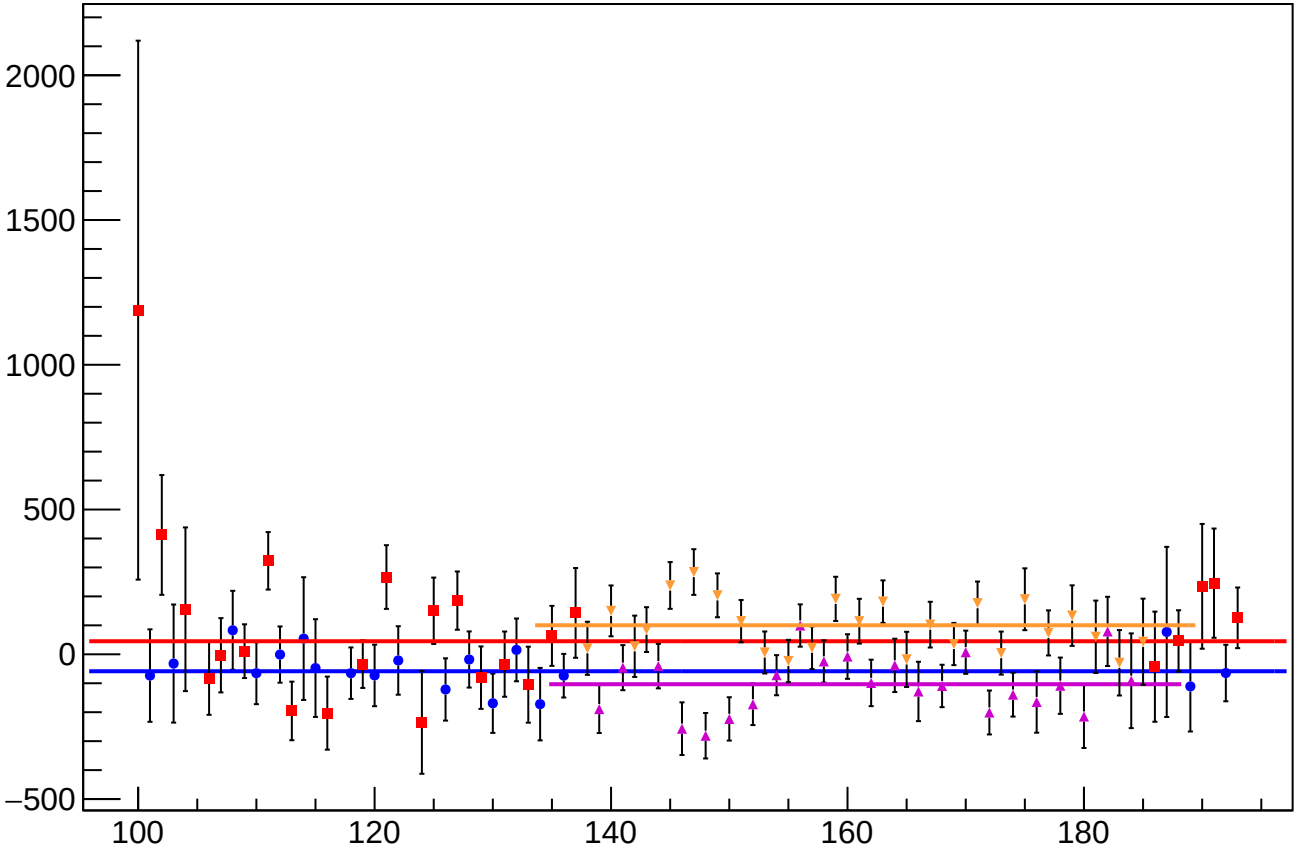
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

\+ sign 318.777+/-0.045 χ^2/NDF: 5022419.7/43

All: 317.886+/-0.032 χ^2/NDF: 11488994.6/90

\- sign 316.987+/-0.045 χ^2/NDF: 6465771.4/46

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: 45.117+/-25.080 χ^2/NDF: 40.0/23

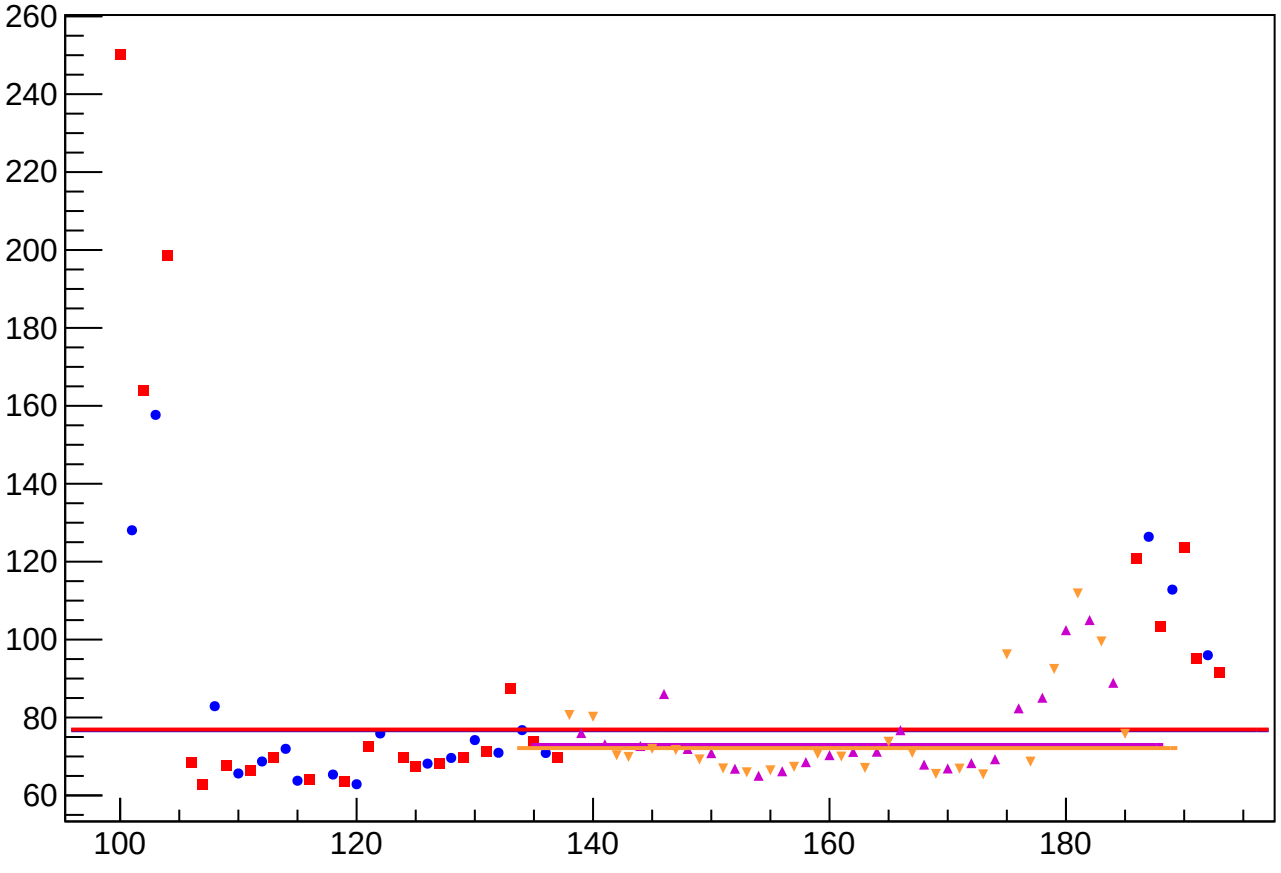
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 55.397+/-14.081 χ^2/NDF: 58.7/43

All: 0.419+/-10.005 χ^2/NDF: 186.0/90

- sign -55.640+/-14.219 χ^2/NDF: 96.5/46

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: 76.907+/-0.018 χ^2/NDF: 1405339.9/23

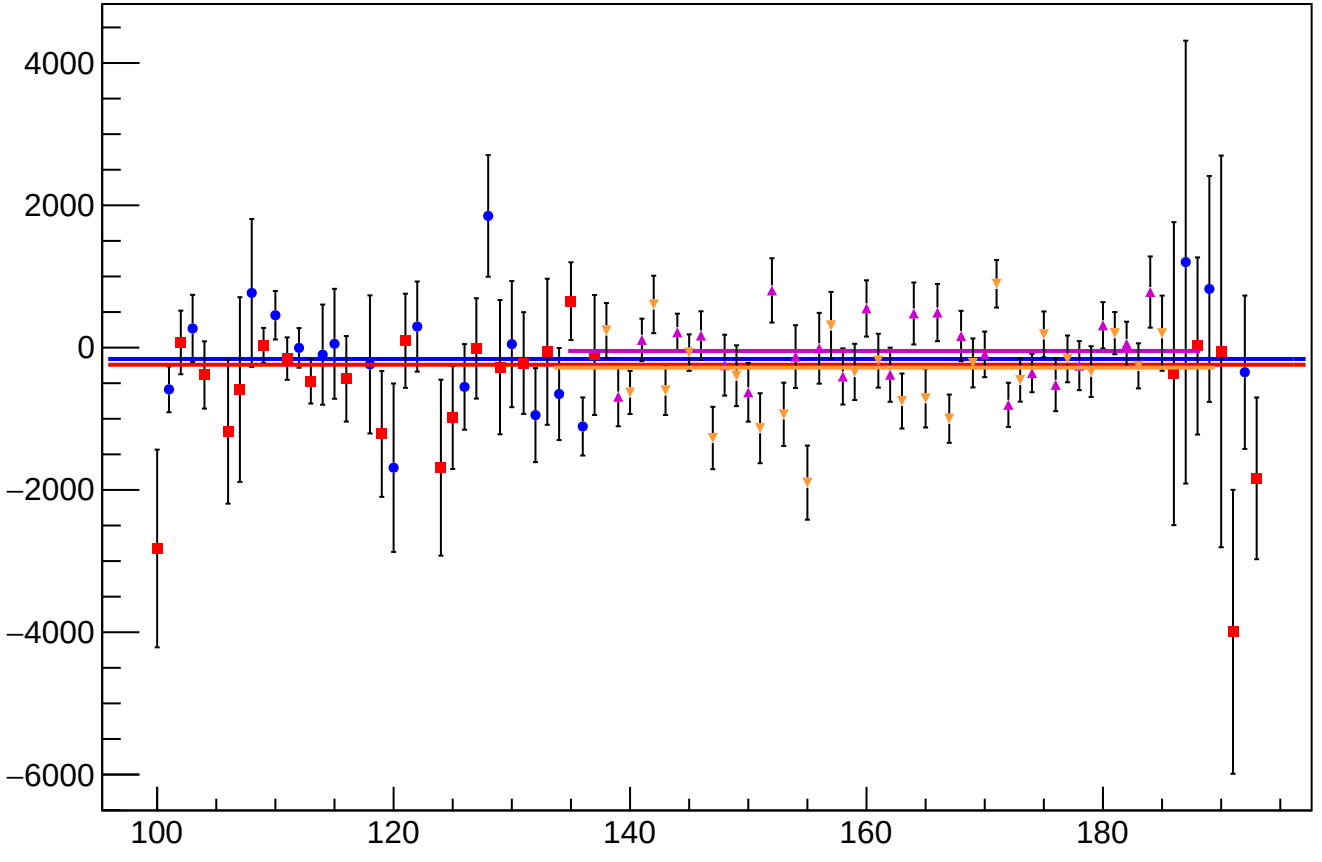
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 73.447+/-0.010 χ^2/NDF: 1610507.7/43

All: 73.830+/-0.007 χ^2/NDF: 3561676.5/90

- sign 74.221+/-0.010 χ^2/NDF: 1948182.8/46

asym_sam7_eigen_dit_correction_mean vs Slug



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: -240.371+/-118.405 χ^2/NDF: 19.2/23

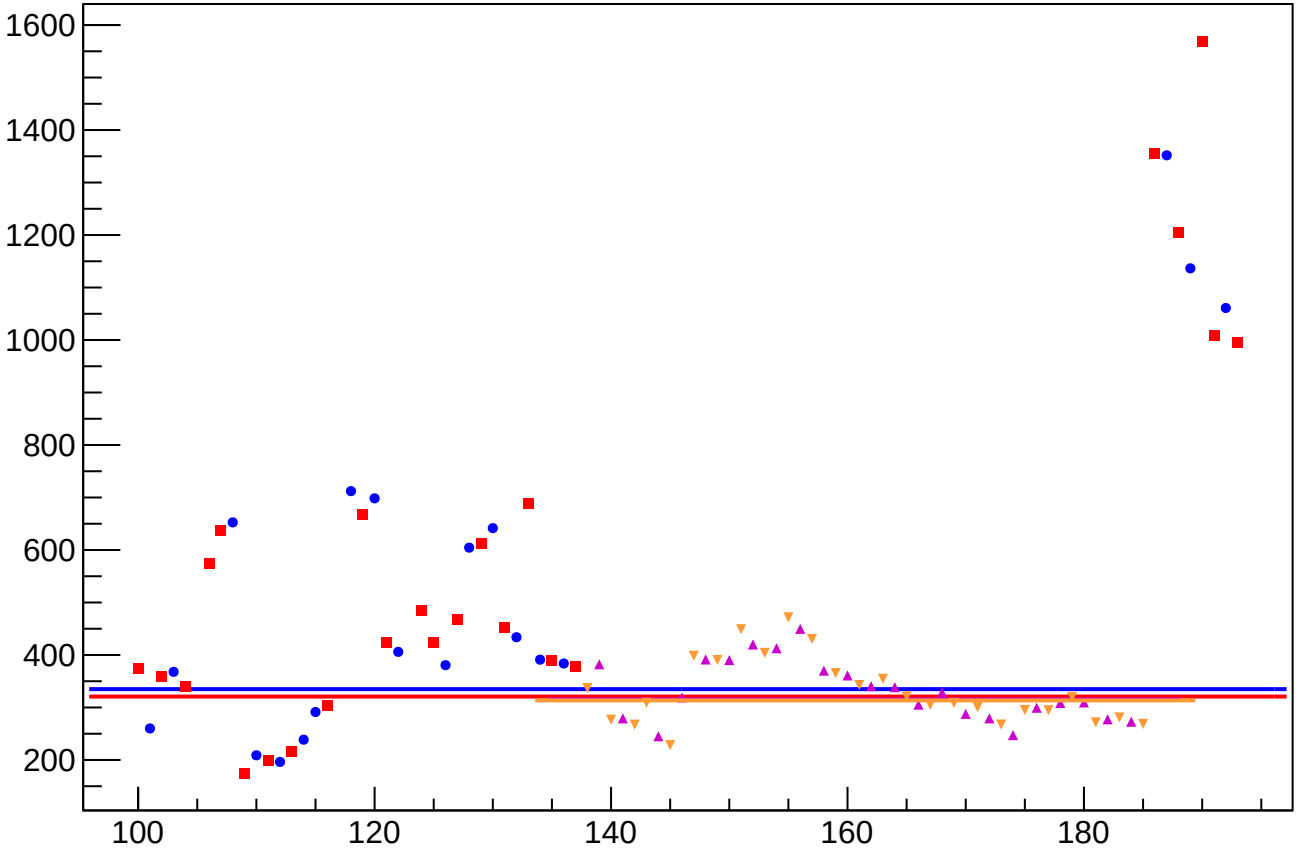
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -251.246+/-62.990 χ^2/NDF: 80.8/43

All: -176.962+/-44.649 χ^2/NDF: 135.4/90

- sign -101.952+/-63.297 χ^2/NDF: 51.9/46

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: 320.814+/-0.084 χ^2/NDF: 5454341.3/23

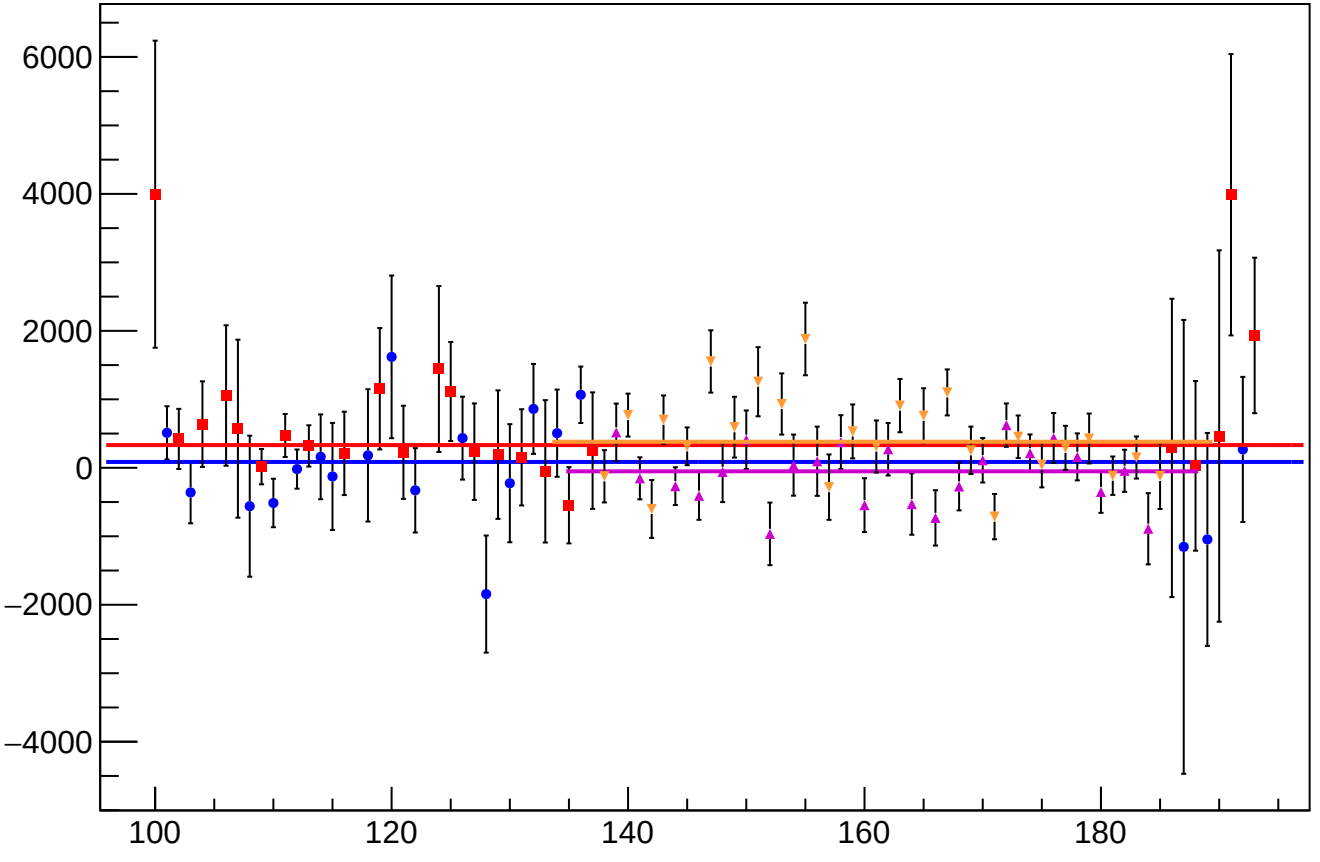
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 318.776+/-0.045 χ^2/NDF: 5022456.6/43

All: 317.886+/-0.032 χ^2/NDF: 11489048.3/90

- sign 316.987+/-0.045 χ^2/NDF: 6465788.3/46

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: 331.751+/-122.047 χ^2/NDF: 16.1/23

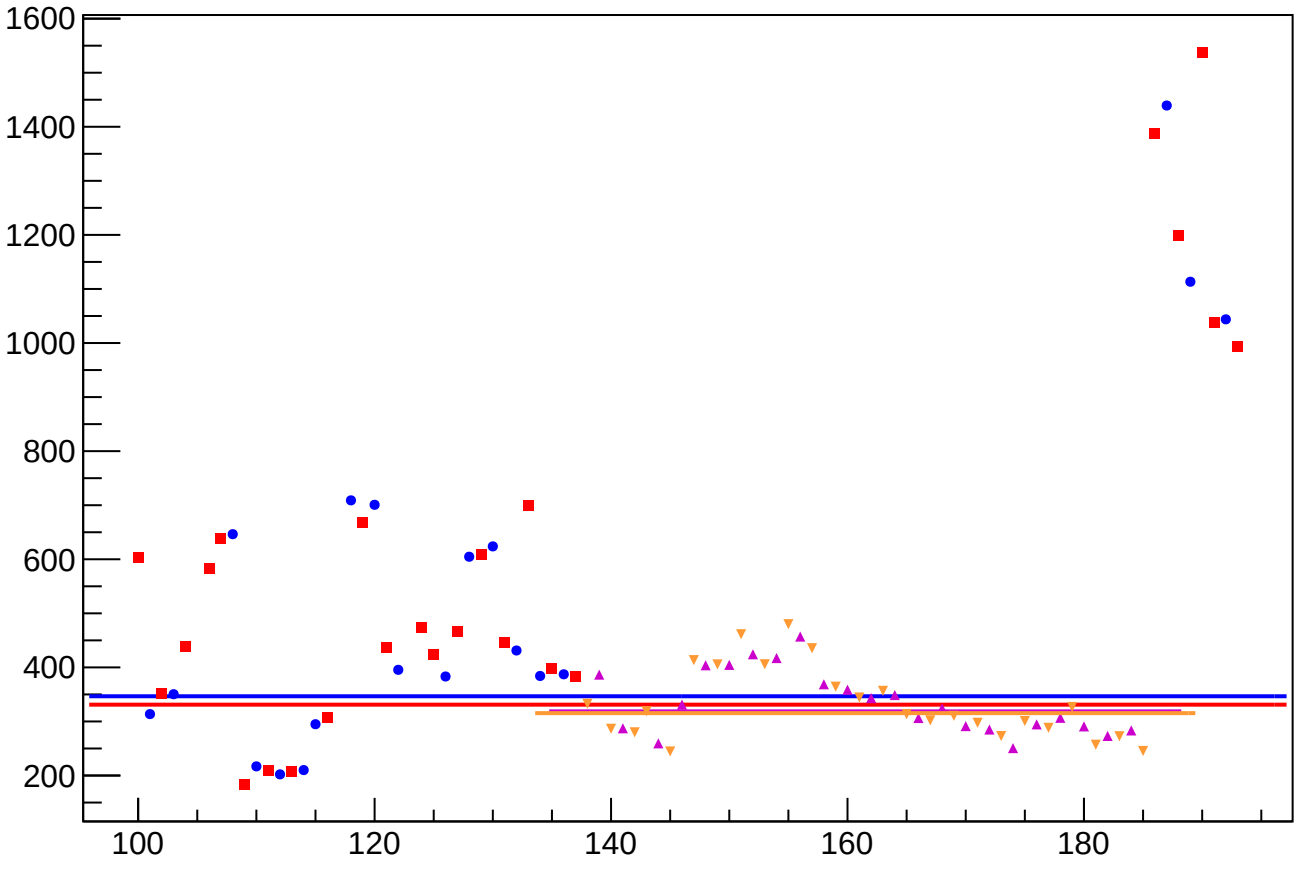
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 310.088+/-63.730 χ^2/NDF: 80.9/43

All: 183.580+/-45.260 χ^2/NDF: 140.2/90

- sign 54.854+/-64.287 χ^2/NDF: 51.4/46

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

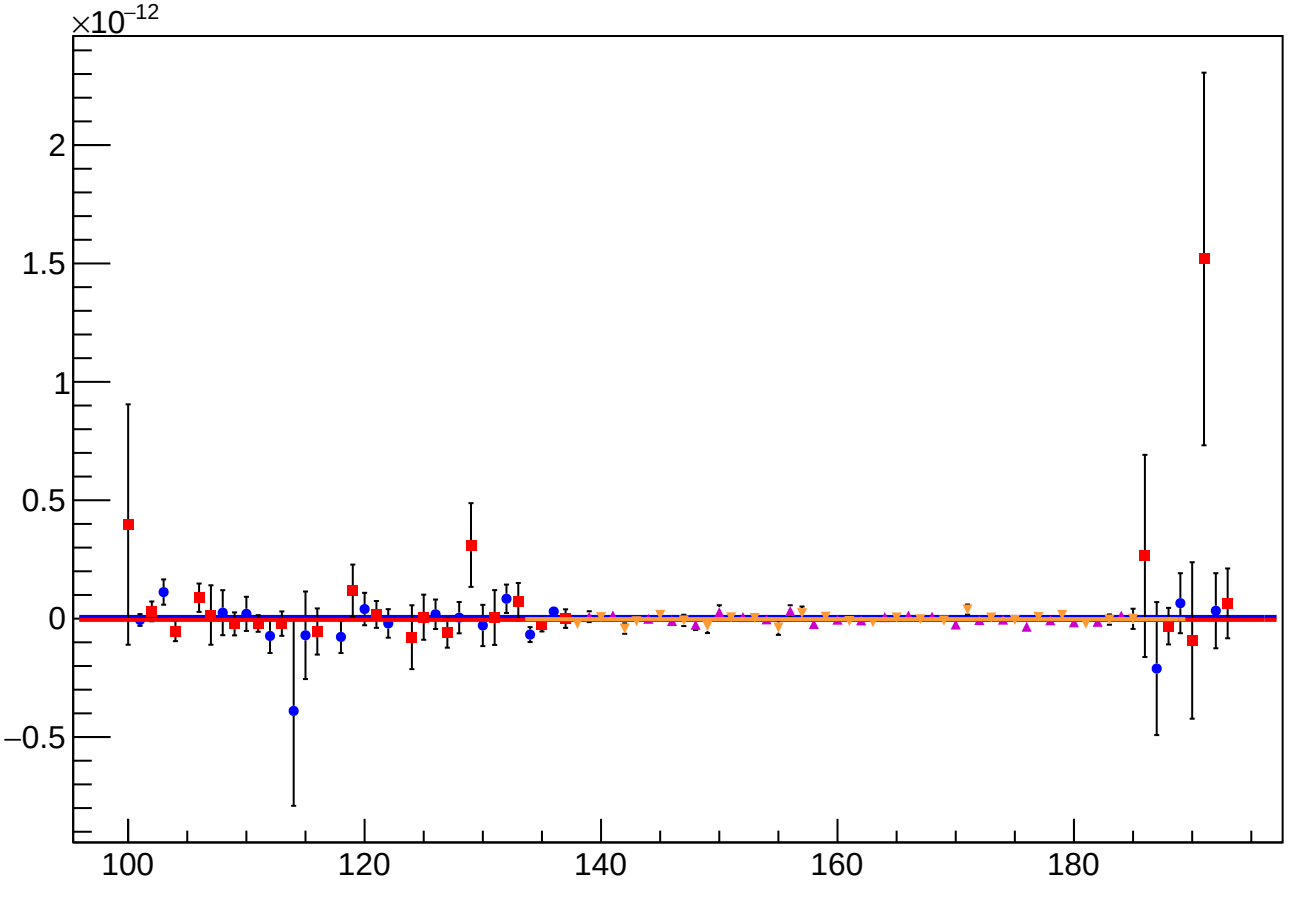
Right Out: 331.075+/-0.086 χ^2/NDF: 5375839.1/23

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 322.858+/-0.045 χ^2/NDF: 4862398.8/43

All: 322.495+/-0.032 χ^2/NDF: 11244858.4/90

- sign 322.125+/-0.045 χ^2/NDF: 6382328.6/46



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: 17.4/23

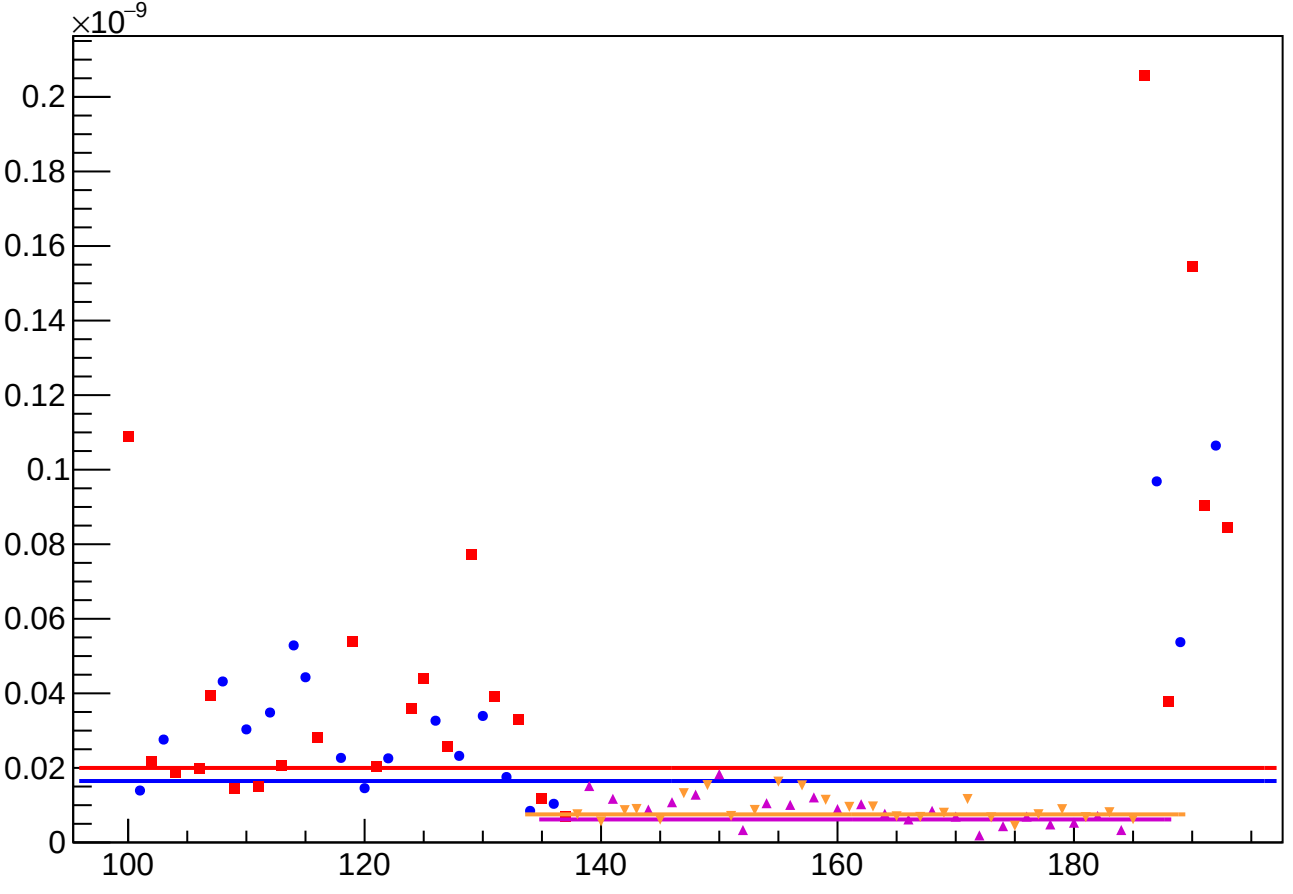
Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.2/43

All: -0.000+/-0.000 χ^2/NDF: 73.9/90

- sign -0.000+/-0.000 χ^2/NDF: 35.0/46

asym_sam7_reg_vs_cor_diff_rms vs Slug



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: 2468325.6/23

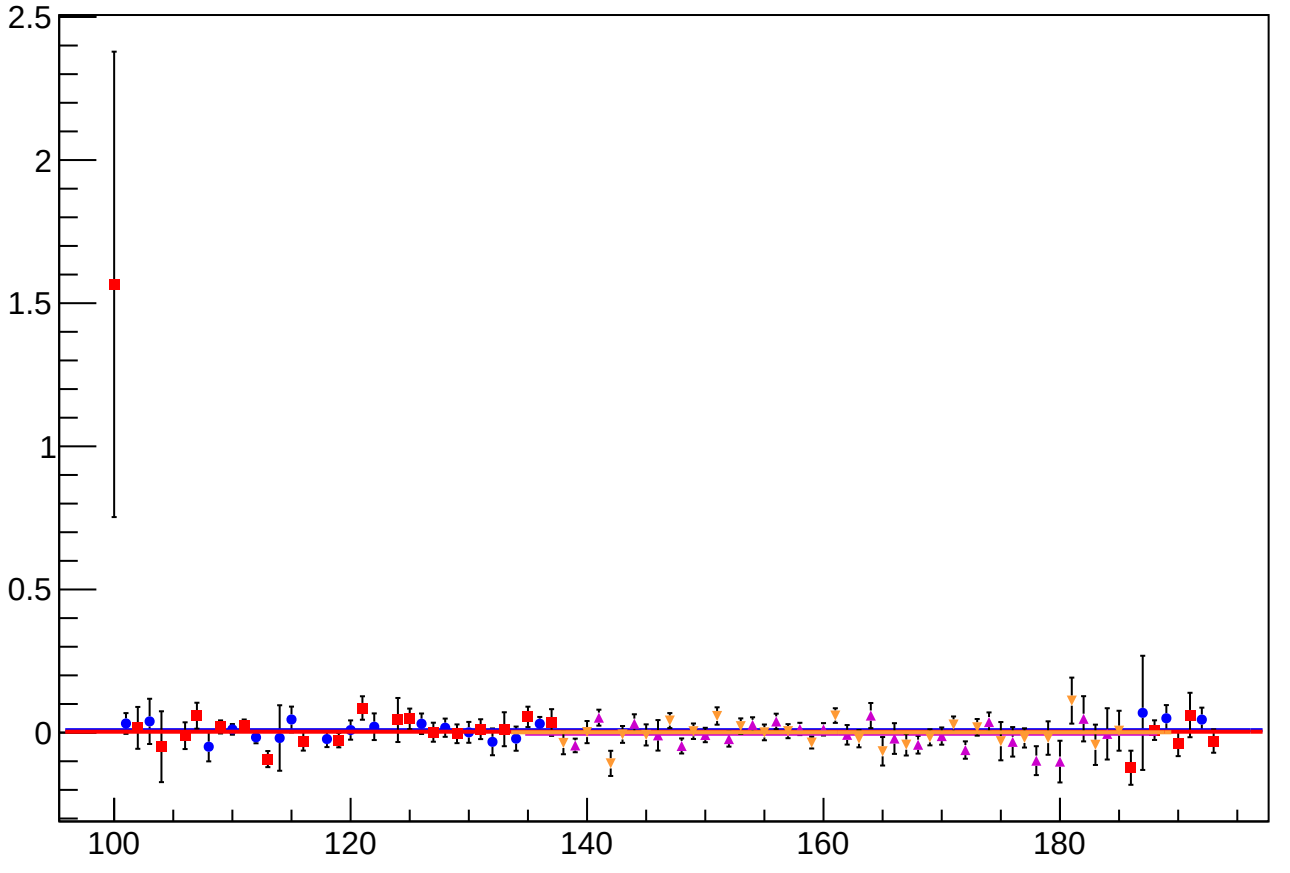
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 4610391.8/43

All: 0.000+/-0.000 χ^2/NDF: 12334802.9/90

- sign 0.000+/-0.000 χ^2/NDF: 7528059.6/46

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: 0.003+/-0.008 χ^2/NDF: 36.7/23

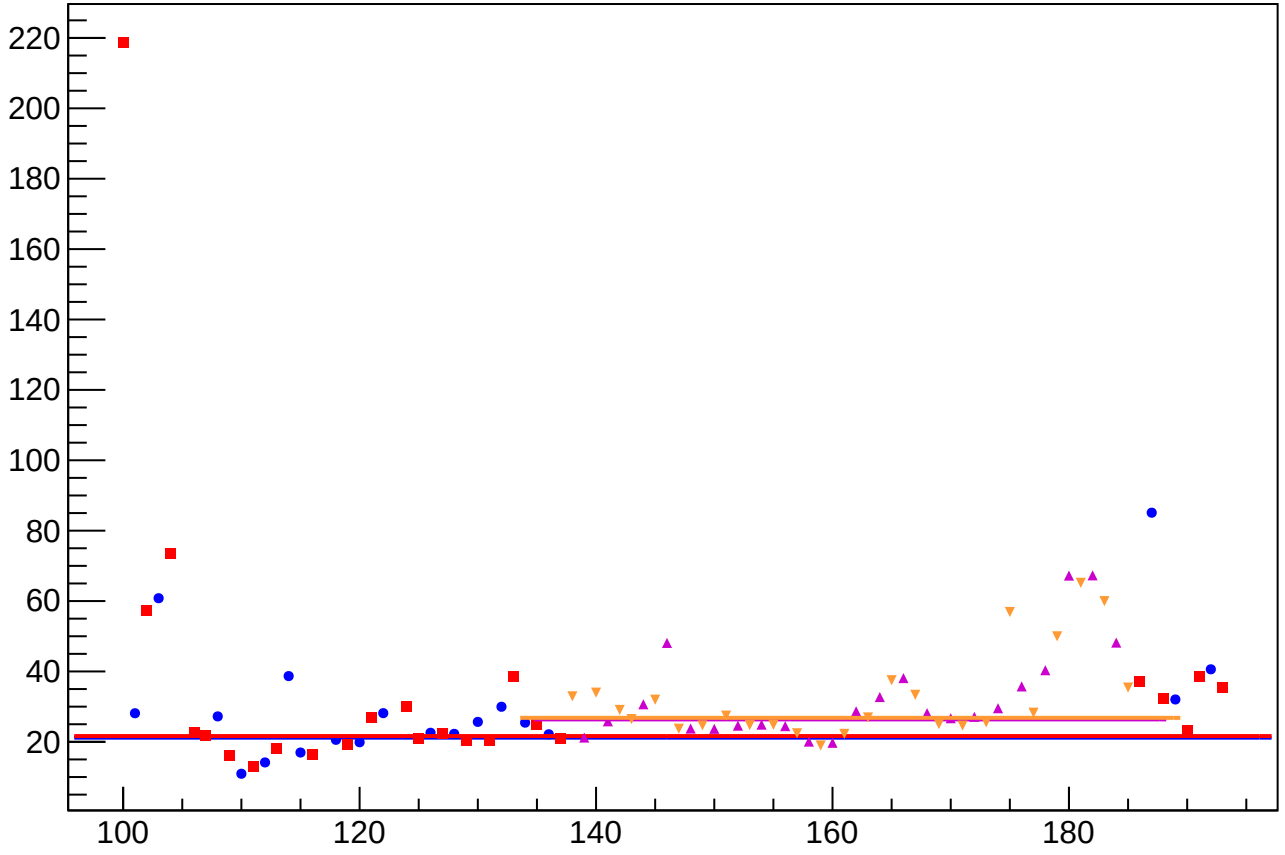
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/43

All: 0.002+/-0.004 χ^2/NDF: 109.4/90

- sign -0.001+/-0.005 χ^2/NDF: 68.4/46

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: 21.638+/-0.005 χ^2/NDF: 2464061.4/23

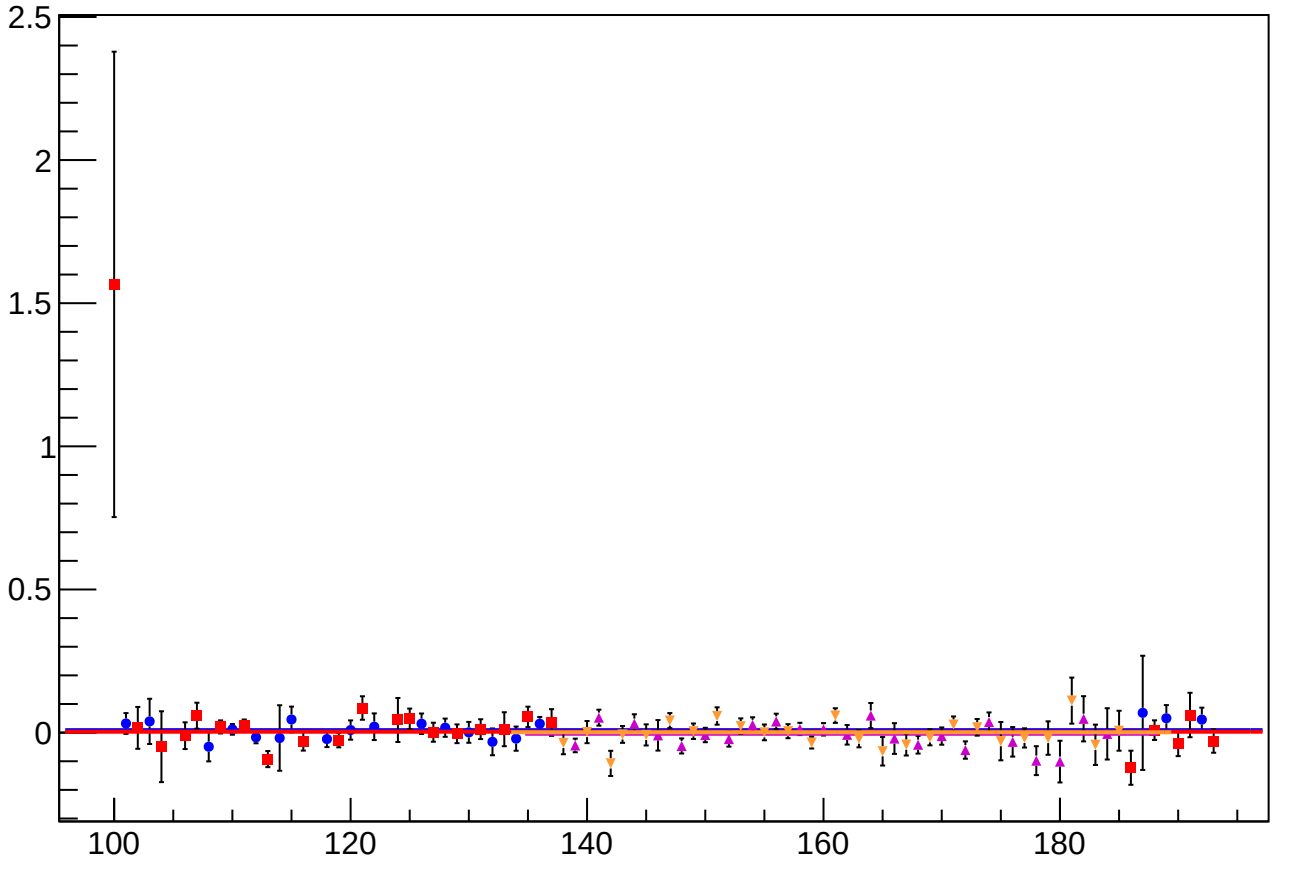
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.548+/-0.004 χ^2/NDF: 5509163.4/43

All: 24.429+/-0.002 χ^2/NDF: 10990456.0/90

- sign 24.312+/-0.004 χ^2/NDF: 5479067.2/46

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: 0.003+/-0.008 χ^2/NDF: 36.7/23

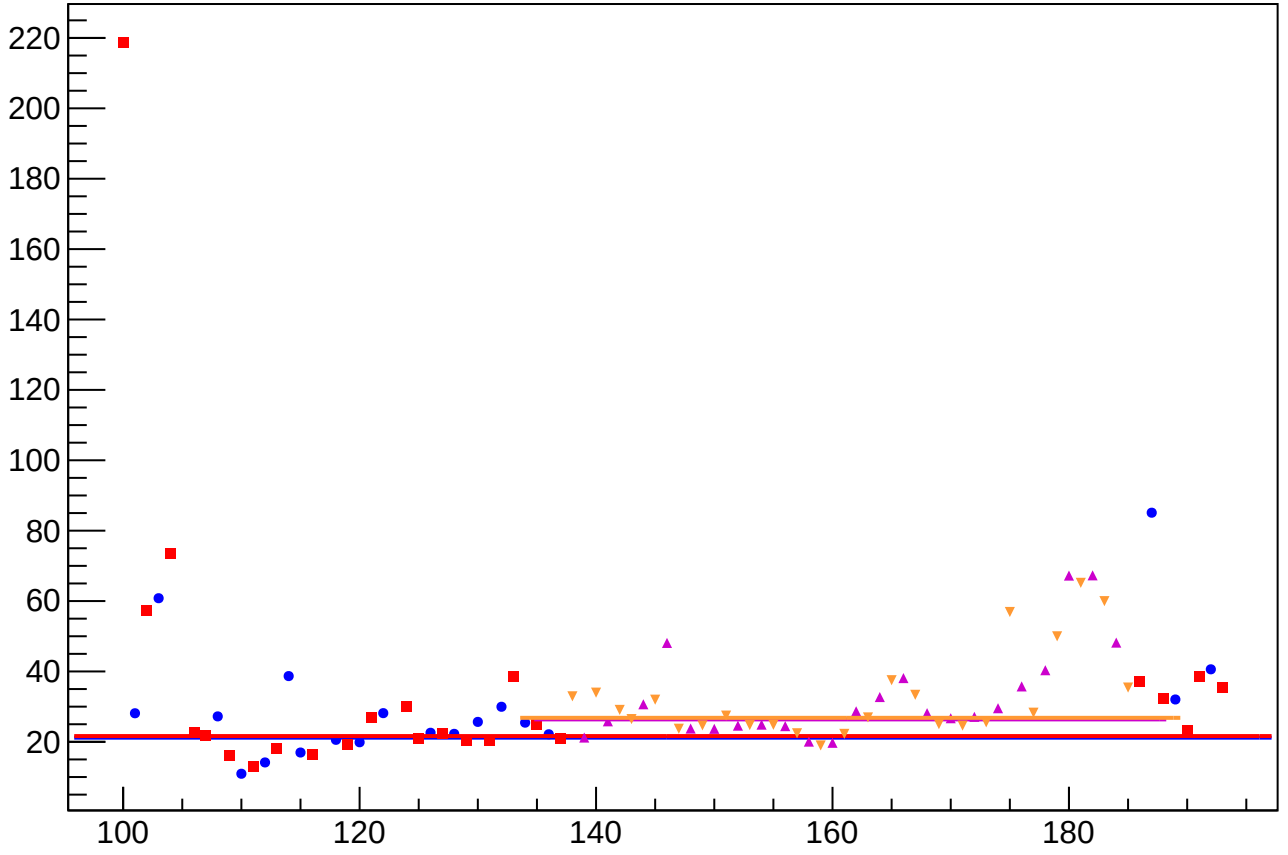
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/43

All: 0.002+/-0.004 χ^2/NDF: 109.4/90

- sign -0.001+/-0.005 χ^2/NDF: 68.4/46

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

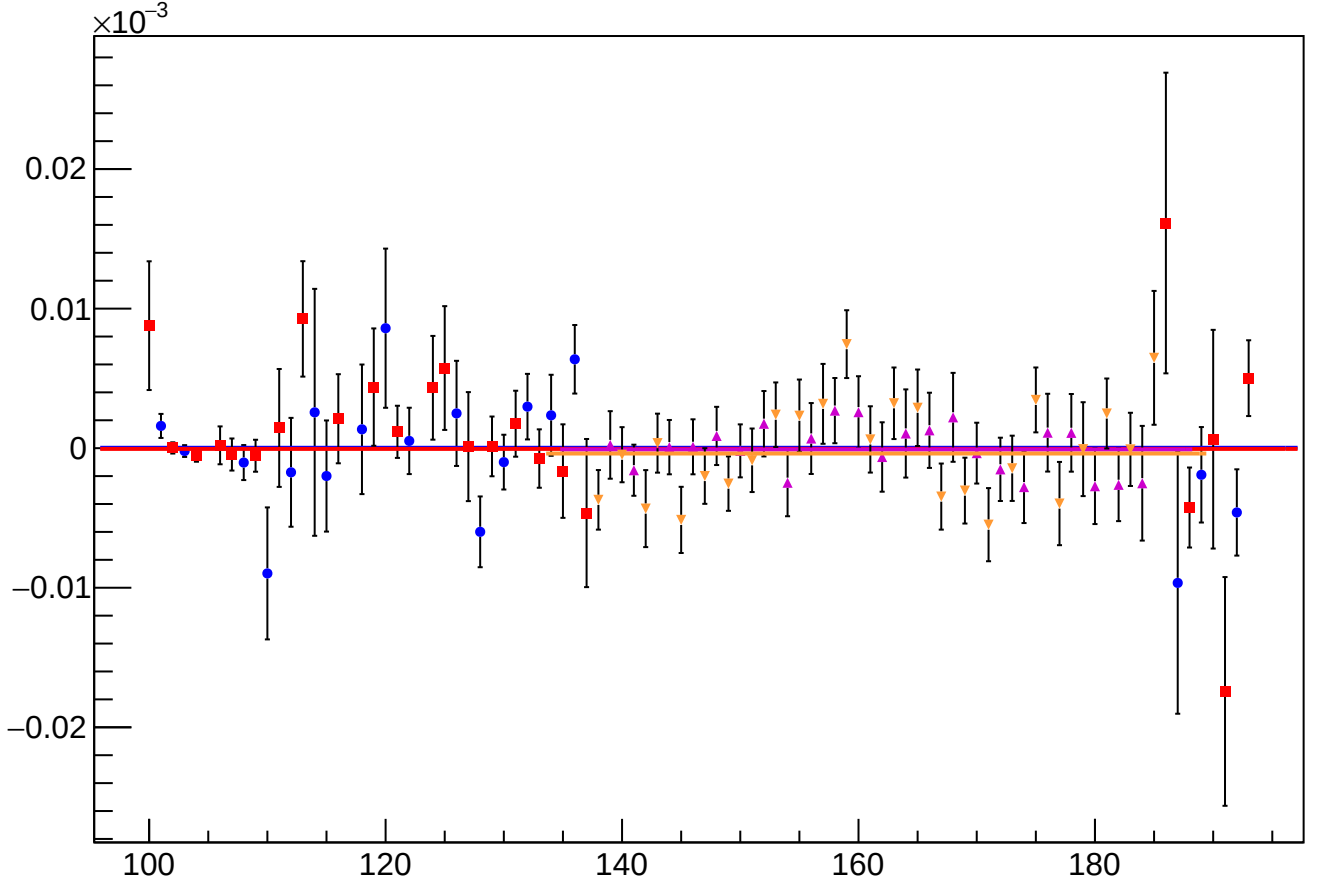
Right Out: 21.638+/-0.005 χ^2/NDF: 2464061.4/23

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.548+/-0.004 χ^2/NDF: 5509163.4/43

All: 24.429+/-0.002 χ^2/NDF: 10990456.0/90

- sign 24.312+/-0.004 χ^2/NDF: 5479067.2/46



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: 29.5/23

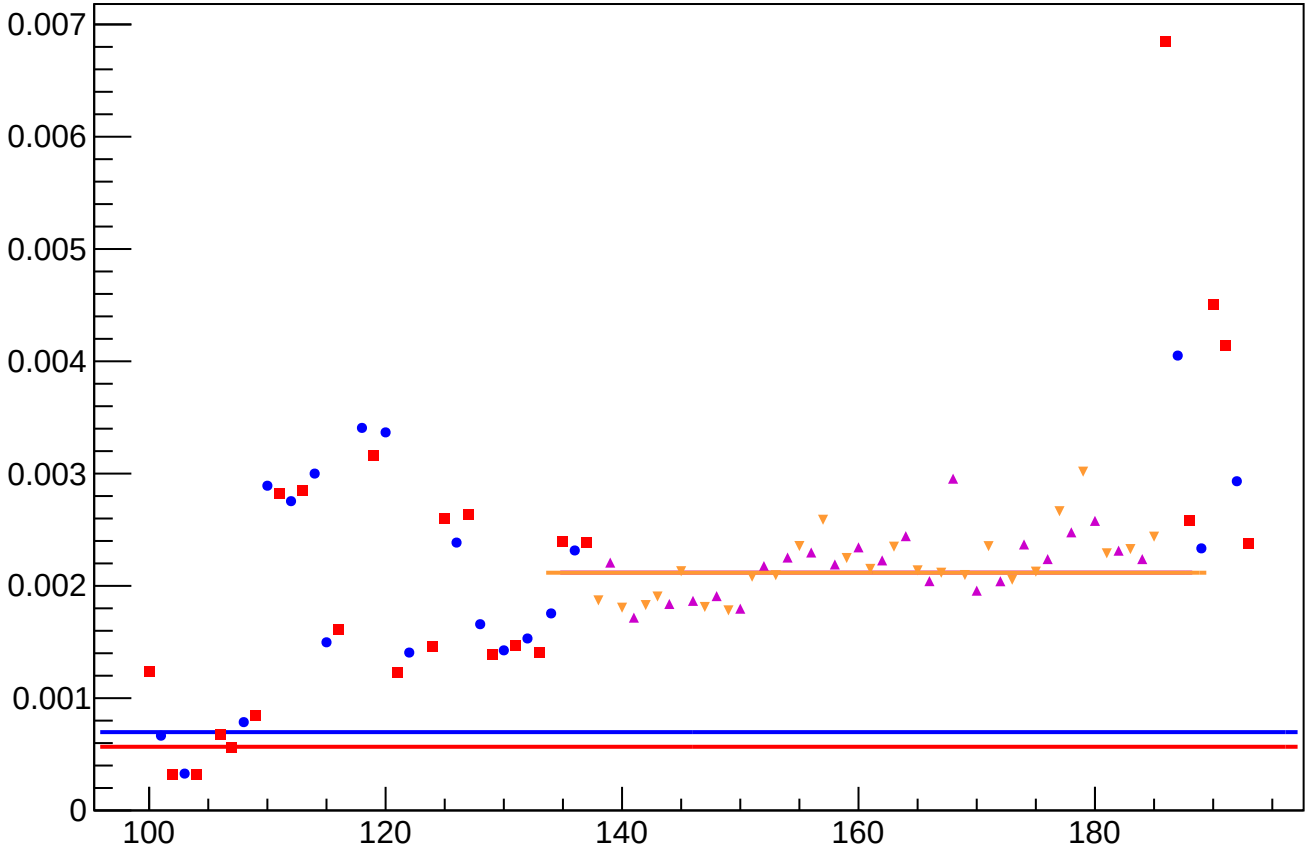
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.3/43

All: -0.000+/-0.000 χ^2/NDF: 113.0/90

- sign -0.000+/-0.000 χ^2/NDF: 39.7/46

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: 10178459.8/23

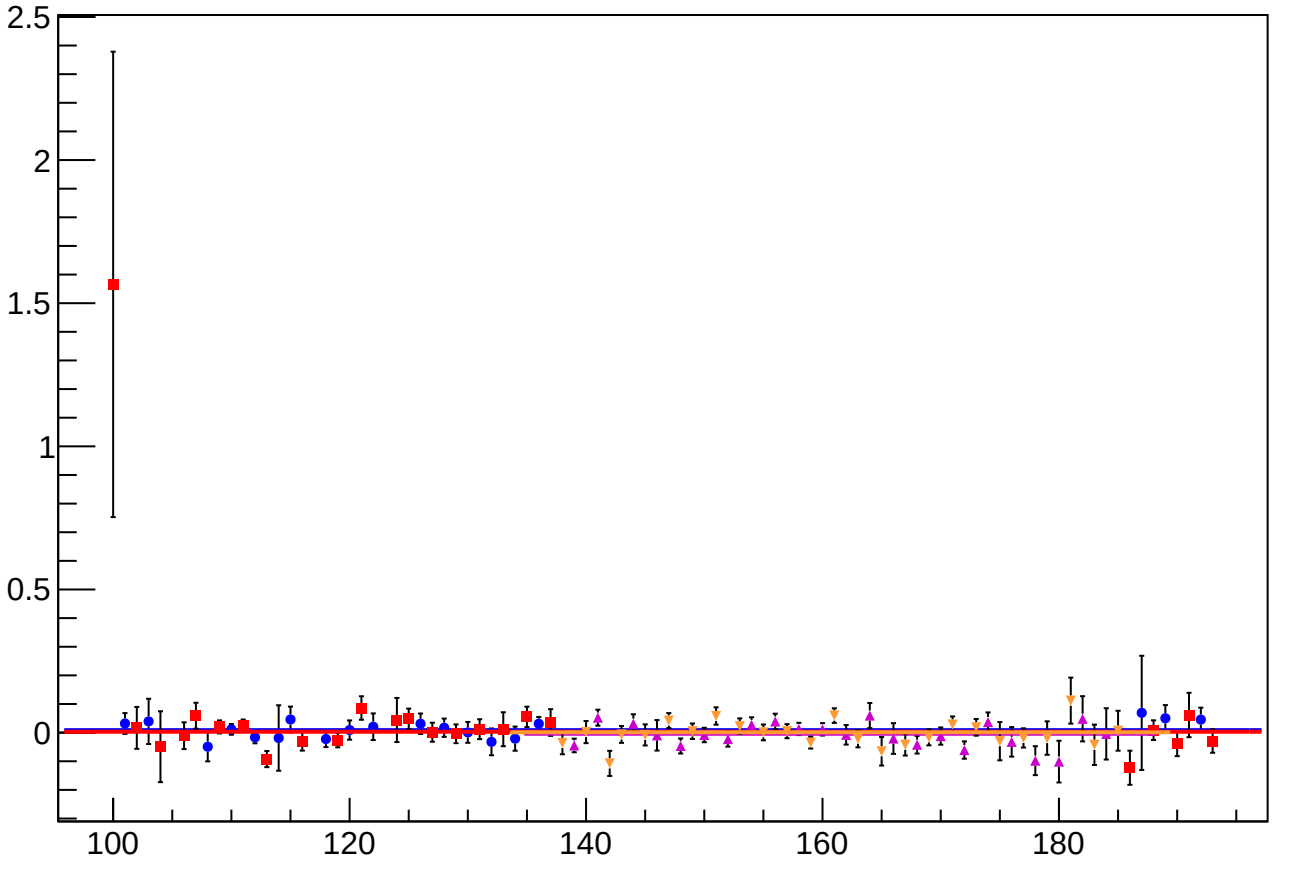
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 20404238.8/43

All: 0.001+/-0.000 χ^2/NDF: 47369890.5/90

- sign 0.001+/-0.000 χ^2/NDF: 25964452.4/46

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: 0.003+/-0.008 χ^2/NDF: 36.7/23

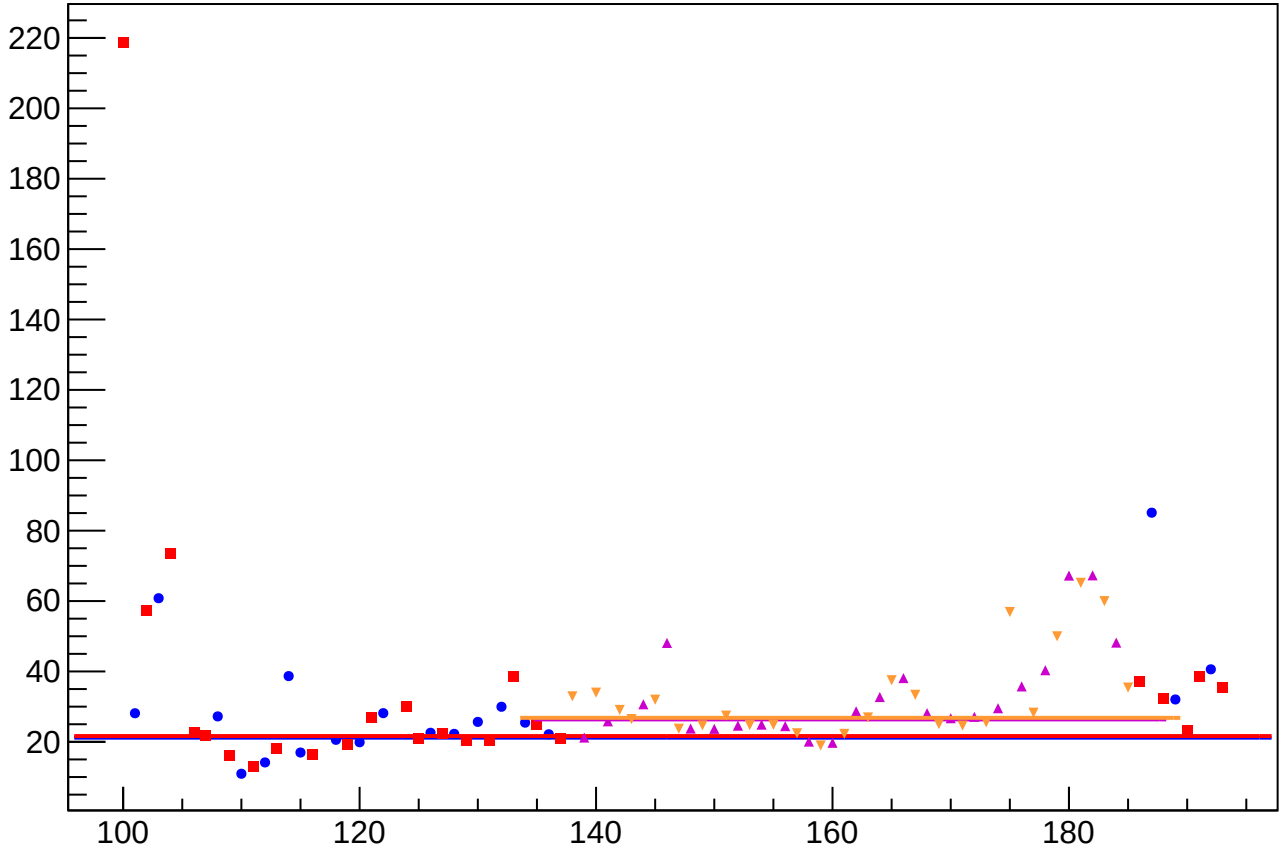
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/43

All: 0.002+/-0.004 χ^2/NDF: 109.4/90

- sign -0.001+/-0.005 χ^2/NDF: 68.4/46

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

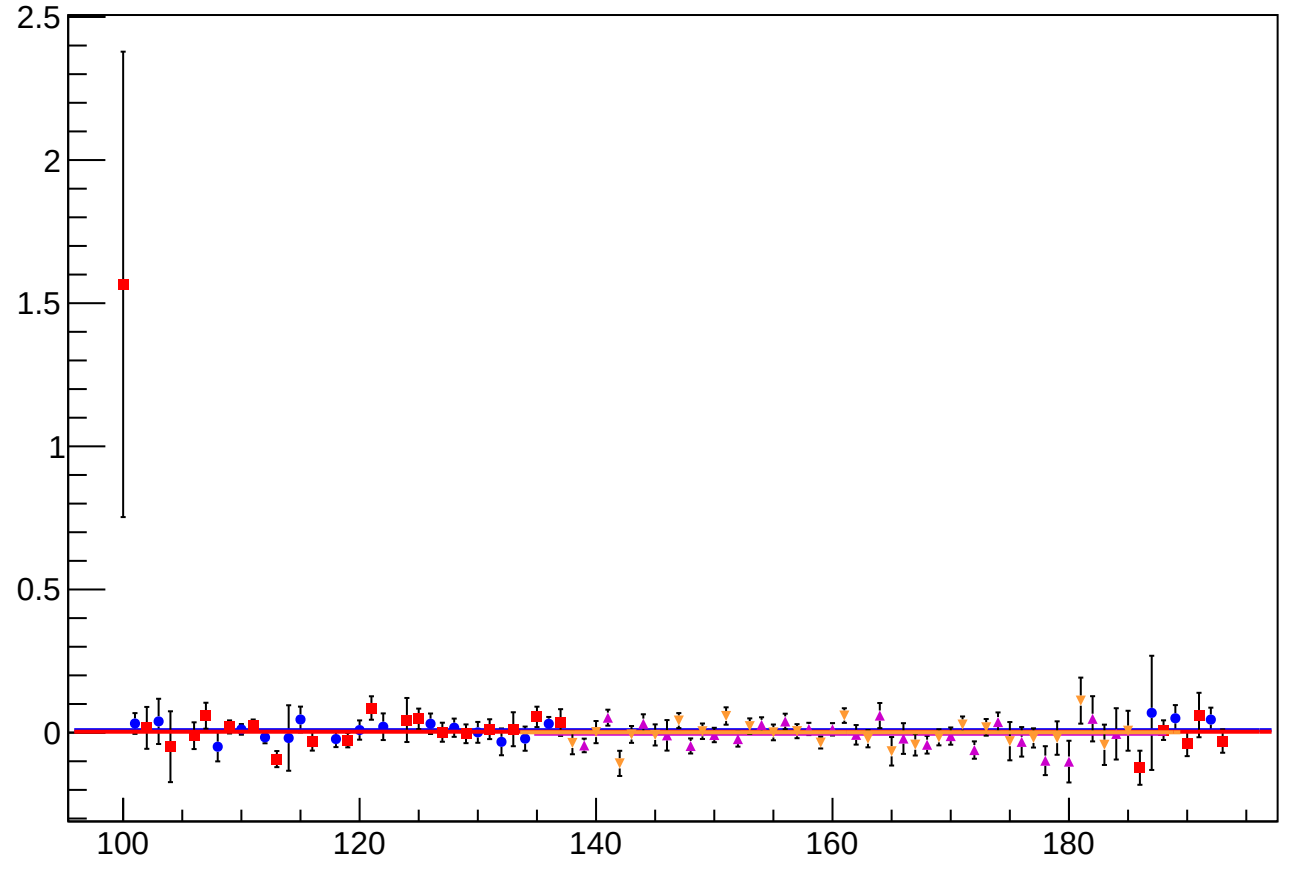
Right Out: 21.638+/-0.005 χ^2/NDF: 2463929.6/23

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.548+/-0.004 χ^2/NDF: 5508902.1/43

All: 24.429+/-0.002 χ^2/NDF: 10990113.4/90

- sign 24.312+/-0.004 χ^2/NDF: 5478982.5/46



Right In: 0.009+/-0.008 χ^2/NDF: 9.7/18

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.003+/-0.008 χ^2/NDF: 36.7/23

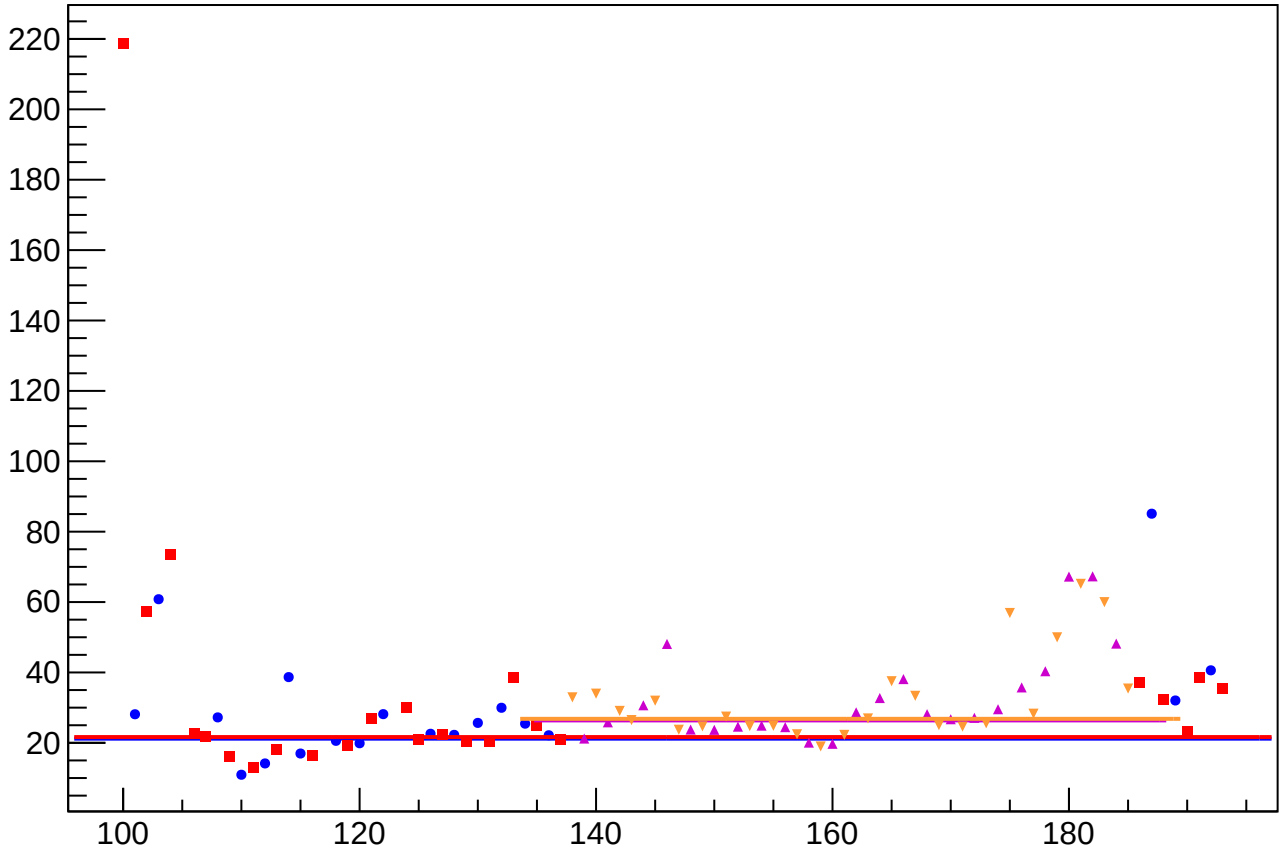
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/43

All: 0.002+/-0.004 χ^2/NDF: 109.4/90

- sign -0.001+/-0.005 χ^2/NDF: 68.4/46

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

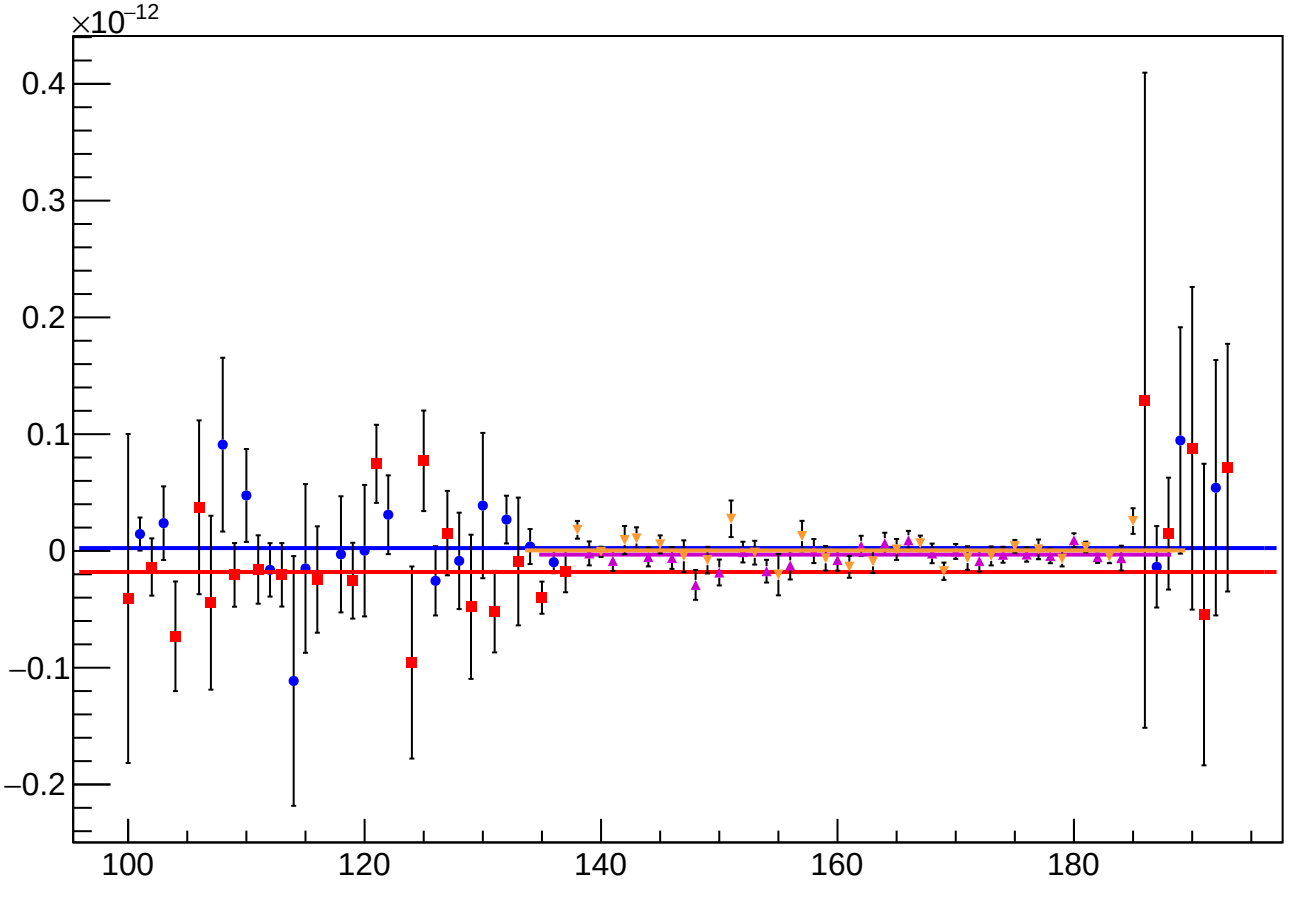
Right Out: 21.638+/-0.005 χ^2/NDF: 2463929.6/23

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.548+/-0.004 χ^2/NDF: 5508902.1/43

All: 24.429+/-0.002 χ^2/NDF: 10990113.4/90

- sign 24.312+/-0.004 χ^2/NDF: 5478982.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 12.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.4/23

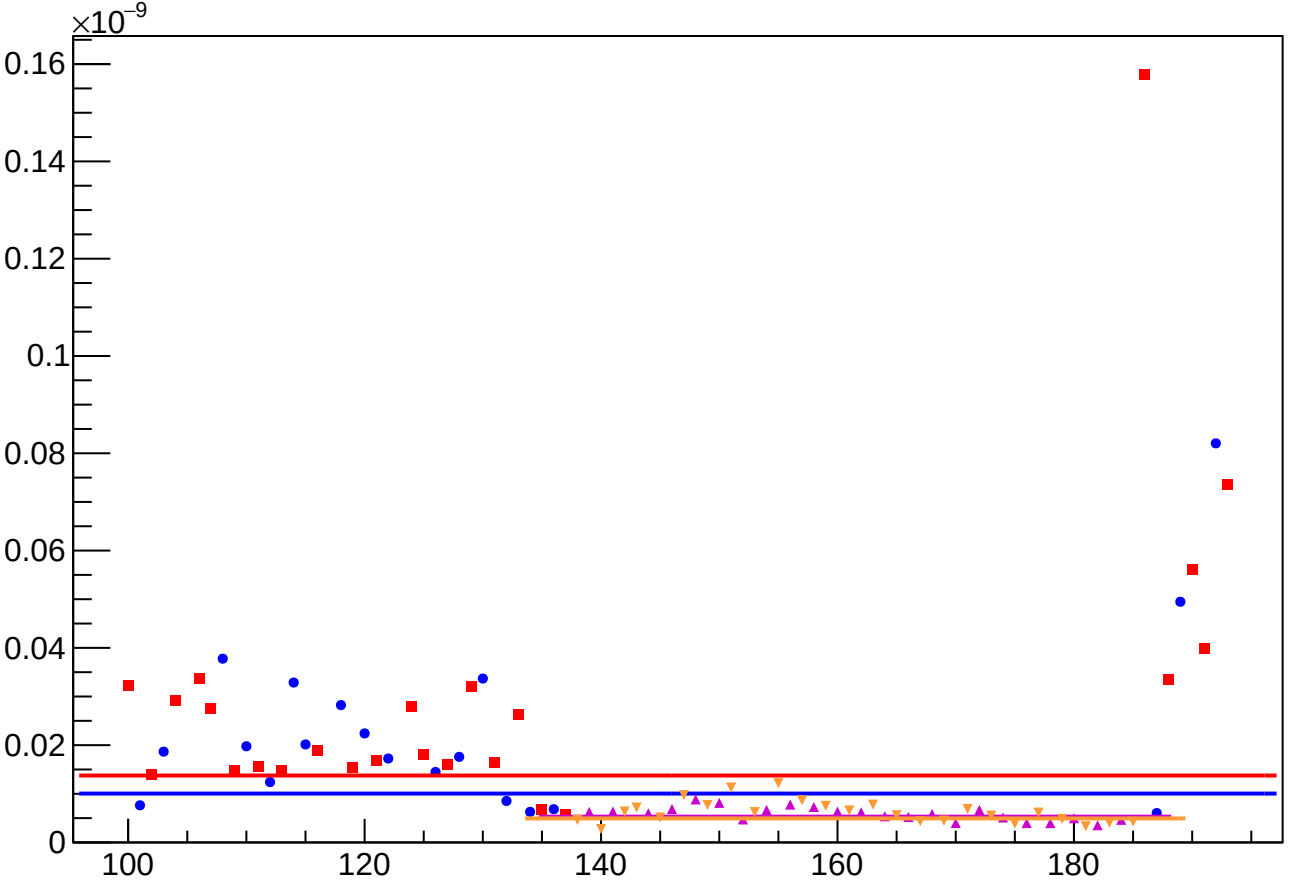
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.9/43

All: -0.000+/-0.000 χ^2/NDF: 95.0/90

- sign -0.000+/-0.000 χ^2/NDF: 45.8/46

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: 3611808.8/23

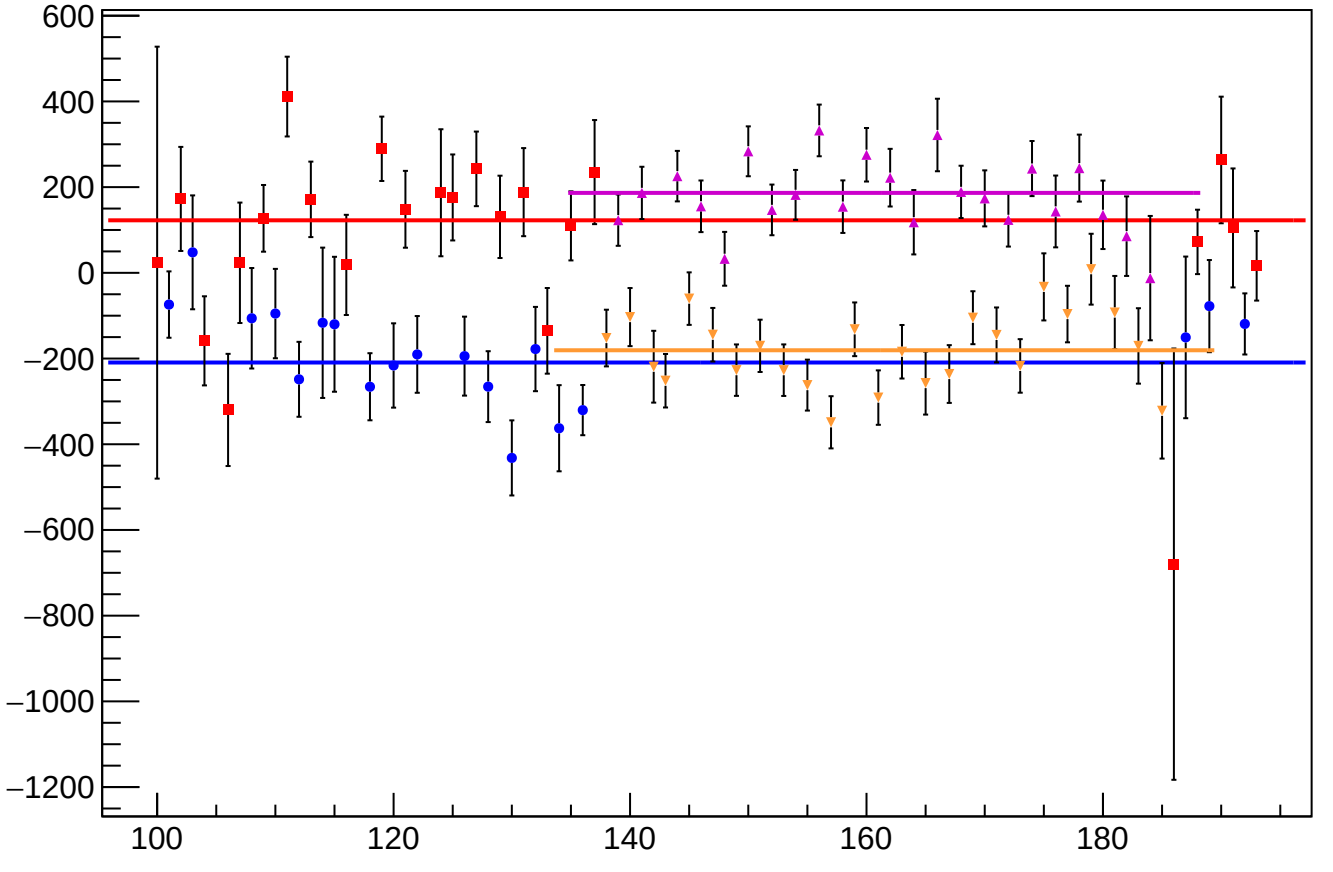
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7484515.0/43

All: 0.000+/-0.000 χ^2/NDF: 15230559.5/90

- sign 0.000+/-0.000 χ^2/NDF: 7661676.7/46

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: 122.561+/-20.898 χ^2/NDF: 51.2/23

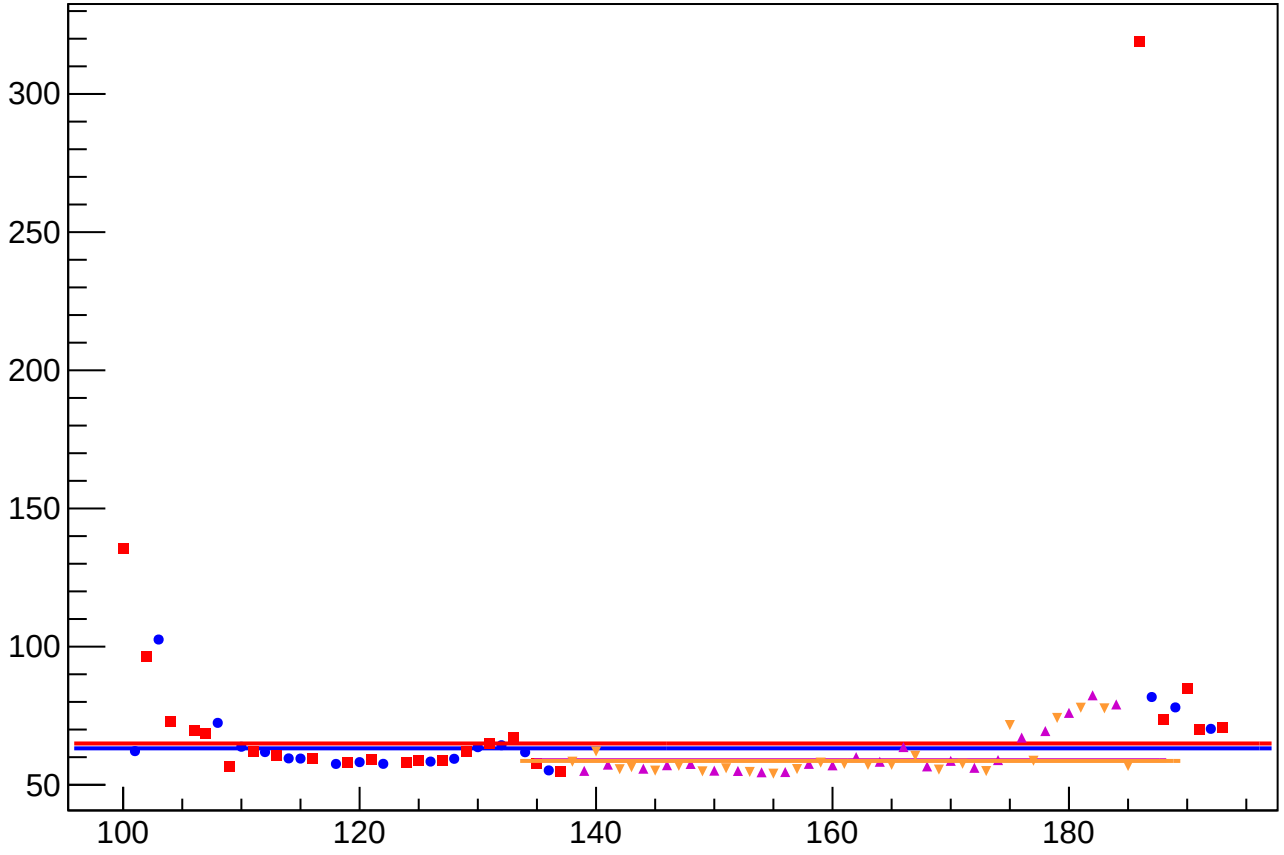
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -188.748+/-11.370 χ^2/NDF: 66.2/43

All: -13.674+/-8.103 χ^2/NDF: 634.7/90

- sign 167.014+/-11.550 χ^2/NDF: 86.7/46

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: 64.958+/-0.015 χ^2/NDF: 889999.9/23

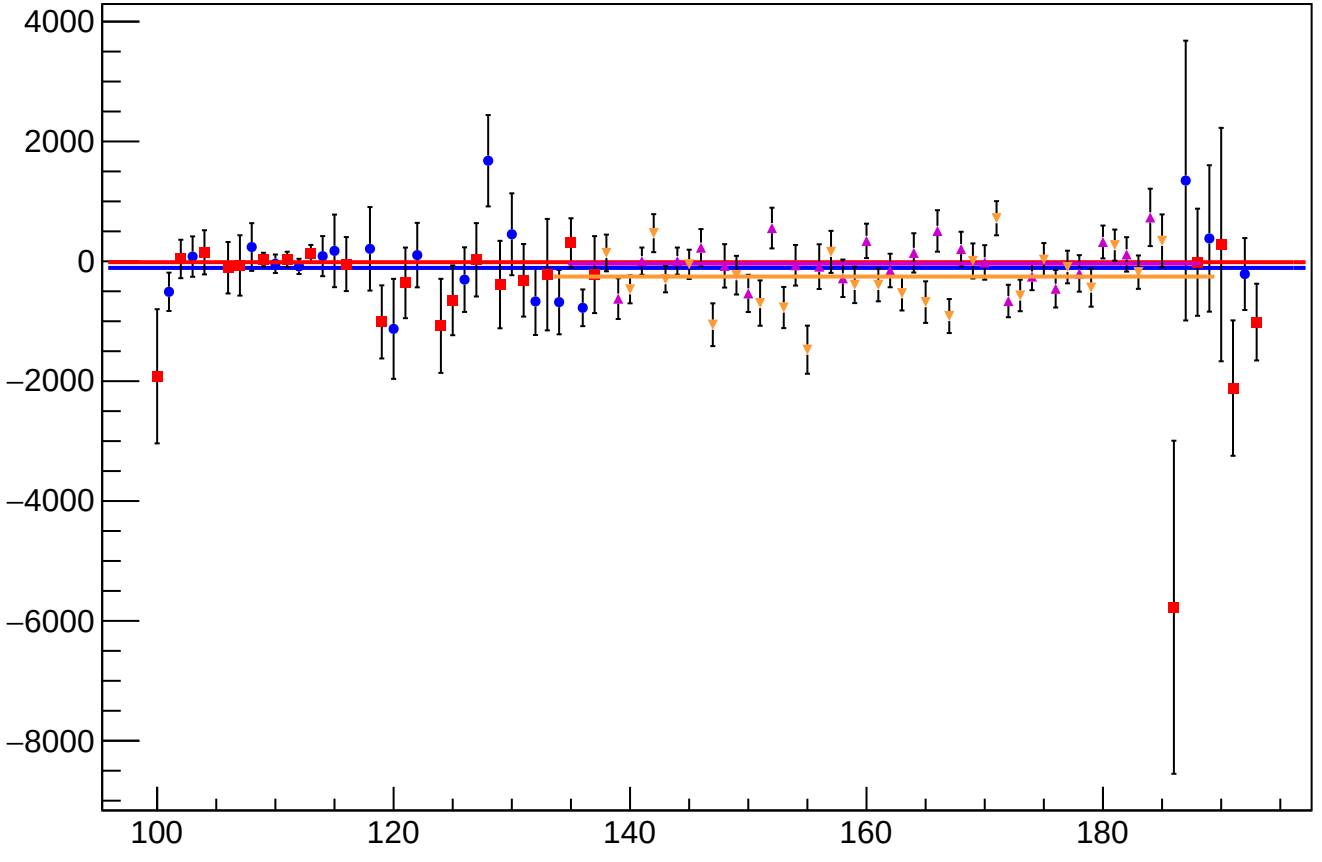
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.927+/-0.008 χ^2/NDF: 797272.3/43

All: 60.334+/-0.006 χ^2/NDF: 2195794.1/90

- sign 60.755+/-0.008 χ^2/NDF: 1393302.4/46

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: -14.536+/-63.306 χ^2/NDF: 21.9/23

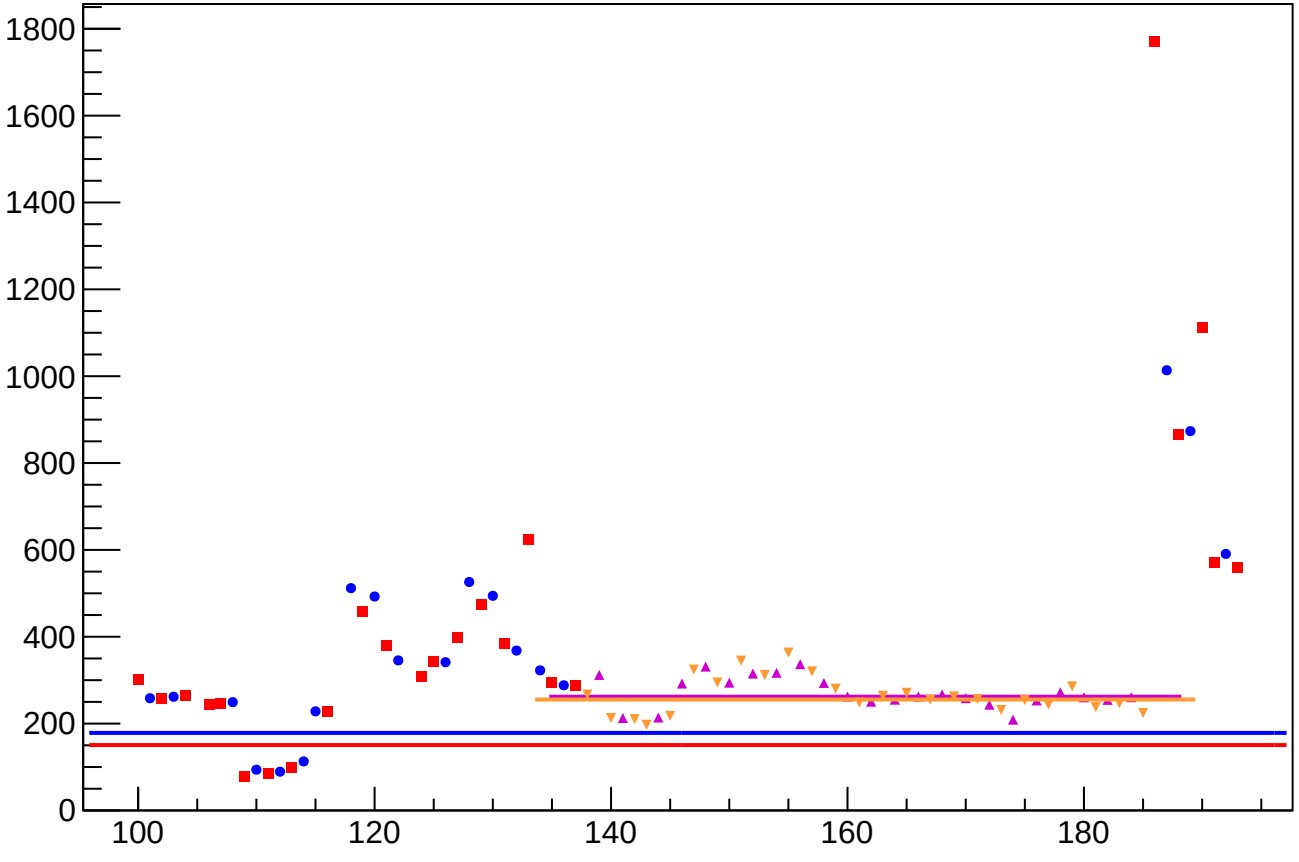
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -199.889+/-46.410 χ^2/NDF: 79.0/43

All: -109.396+/-32.027 χ^2/NDF: 136.6/90

- sign -27.121+/-44.252 χ^2/NDF: 50.4/46

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: 150.583+/-0.045 χ^2/NDF: 8759672.6/23

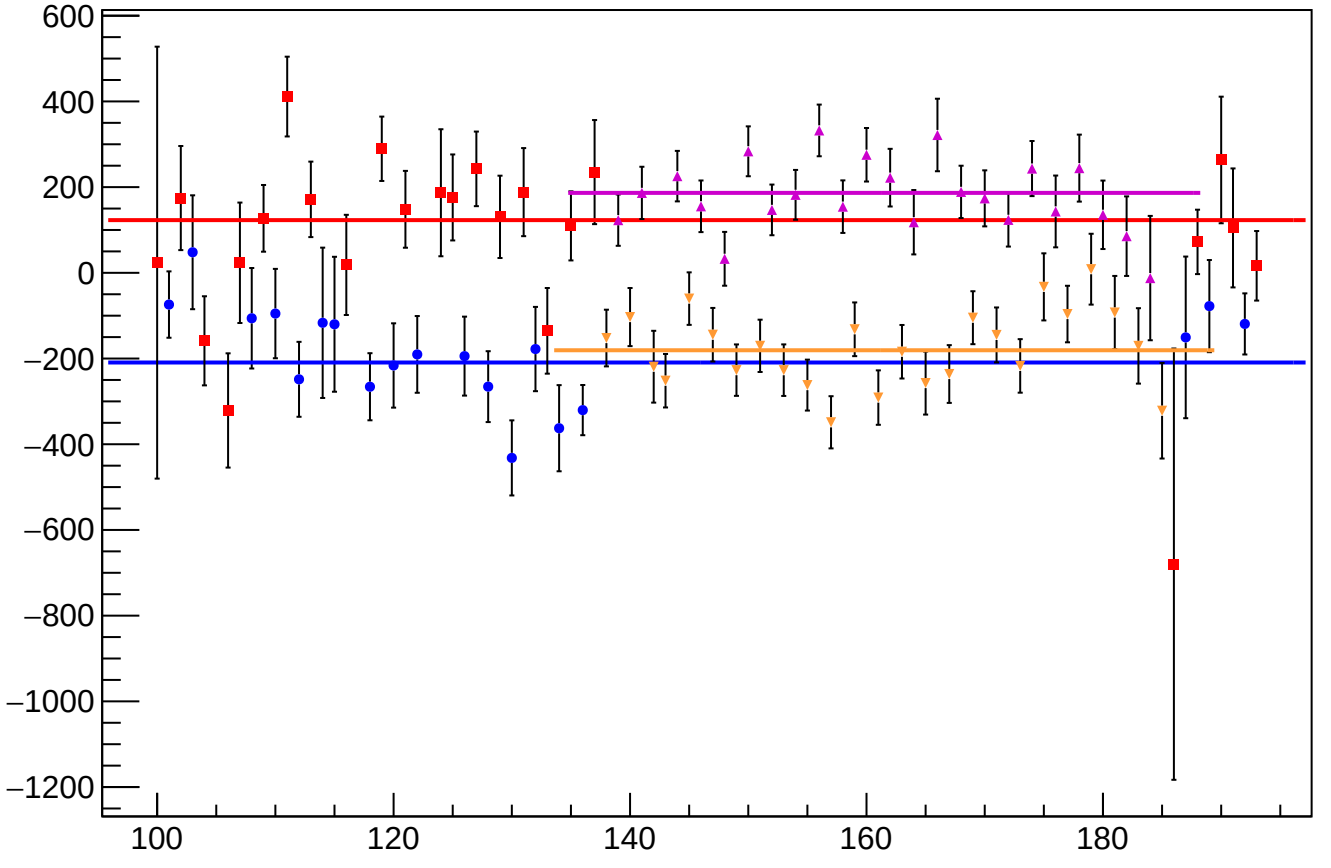
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 226.353+/-0.033 χ^2/NDF: 8582708.7/43

All: 216.510+/-0.023 χ^2/NDF: 21353069.7/90

- sign 207.561+/-0.031 χ^2/NDF: 12598608.3/46

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: 122.997+/-20.908 χ^2/NDF: 50.8/23

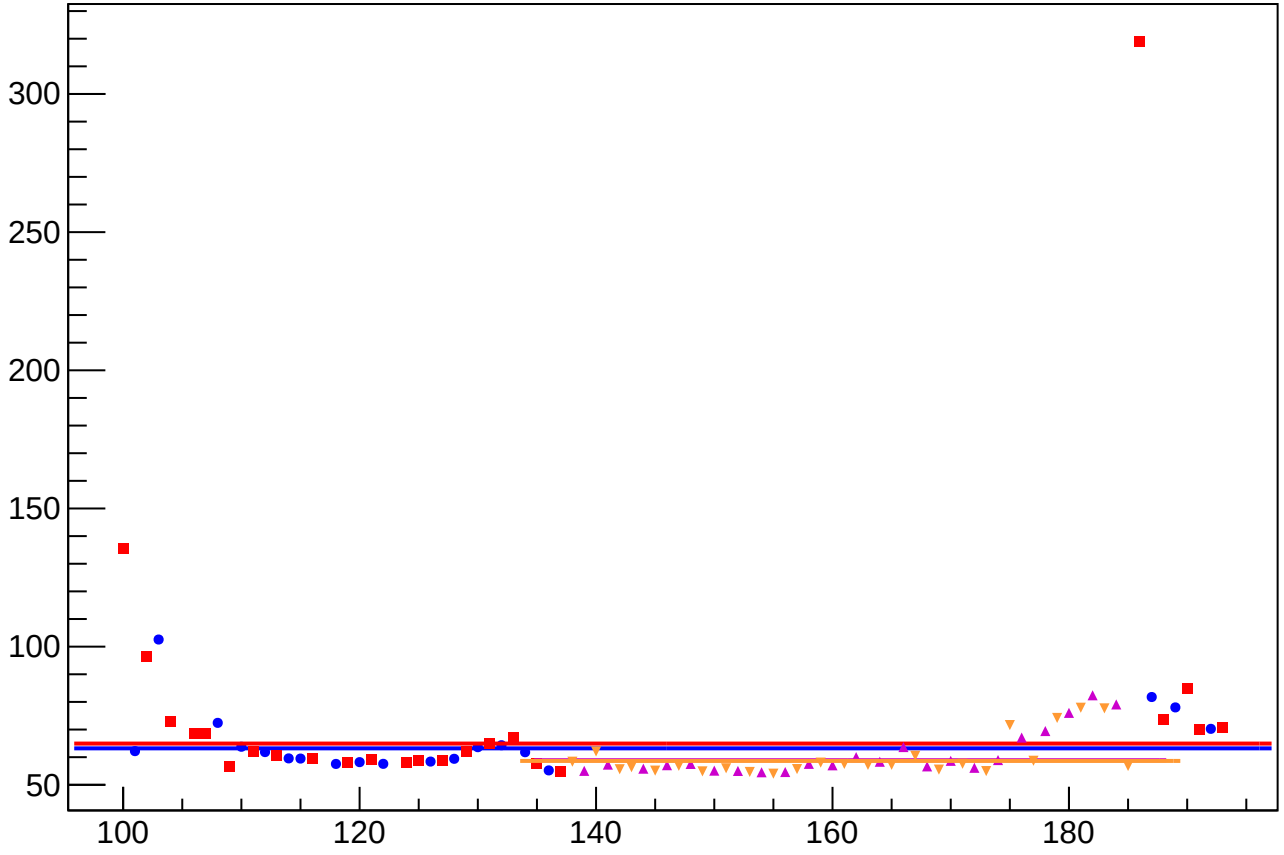
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -188.744+/-11.370 χ^2/NDF: 66.2/43

All: -13.626+/-8.103 χ^2/NDF: 634.6/90

- sign 167.160+/-11.552 χ^2/NDF: 86.3/46

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: 64.925+/-0.015 χ^2/NDF: 889030.0/23

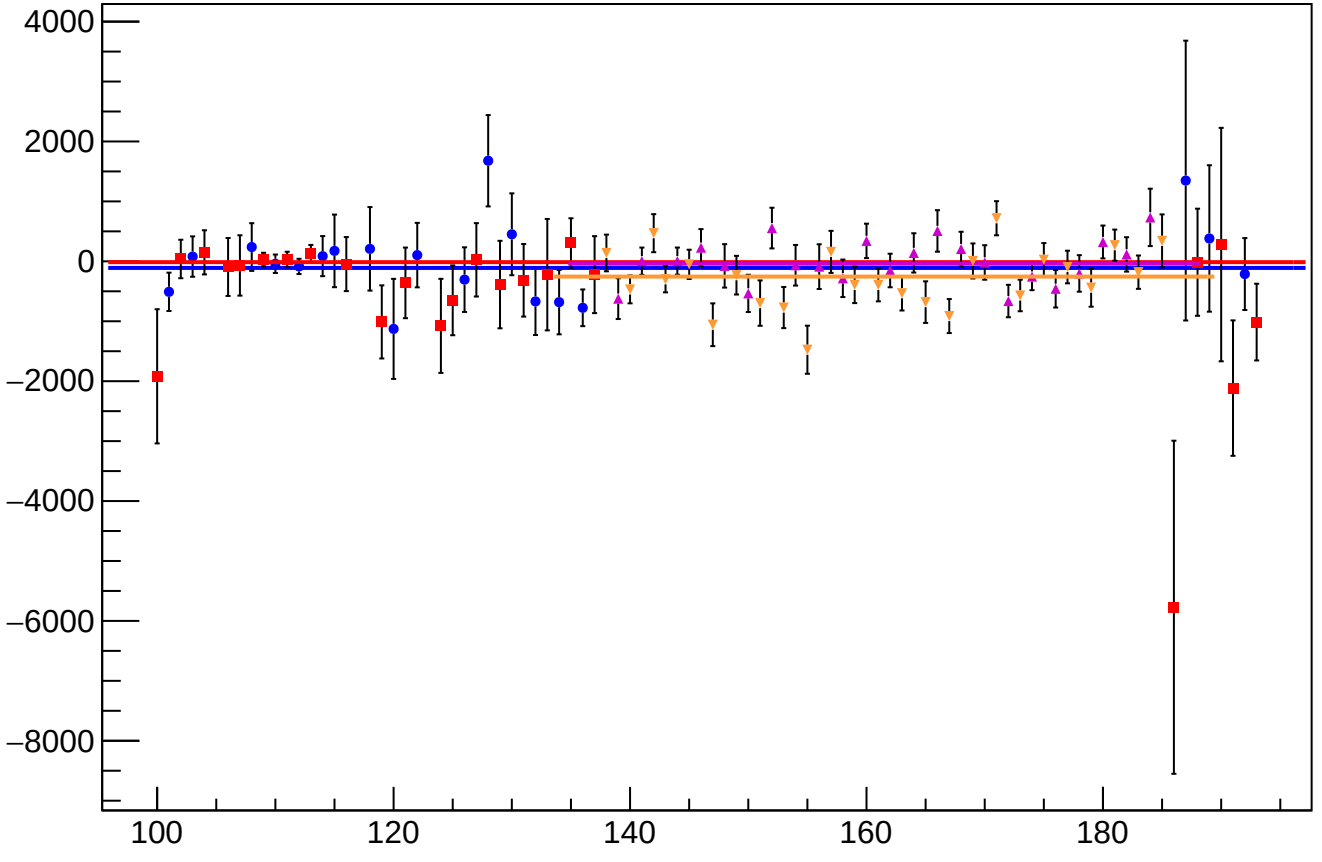
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.927+/-0.008 χ^2/NDF: 797274.9/43

All: 60.329+/-0.006 χ^2/NDF: 2193358.3/90

- sign 60.744+/-0.008 χ^2/NDF: 1391004.5/46

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: -13.919+/-63.453 χ^2/NDF: 21.9/23

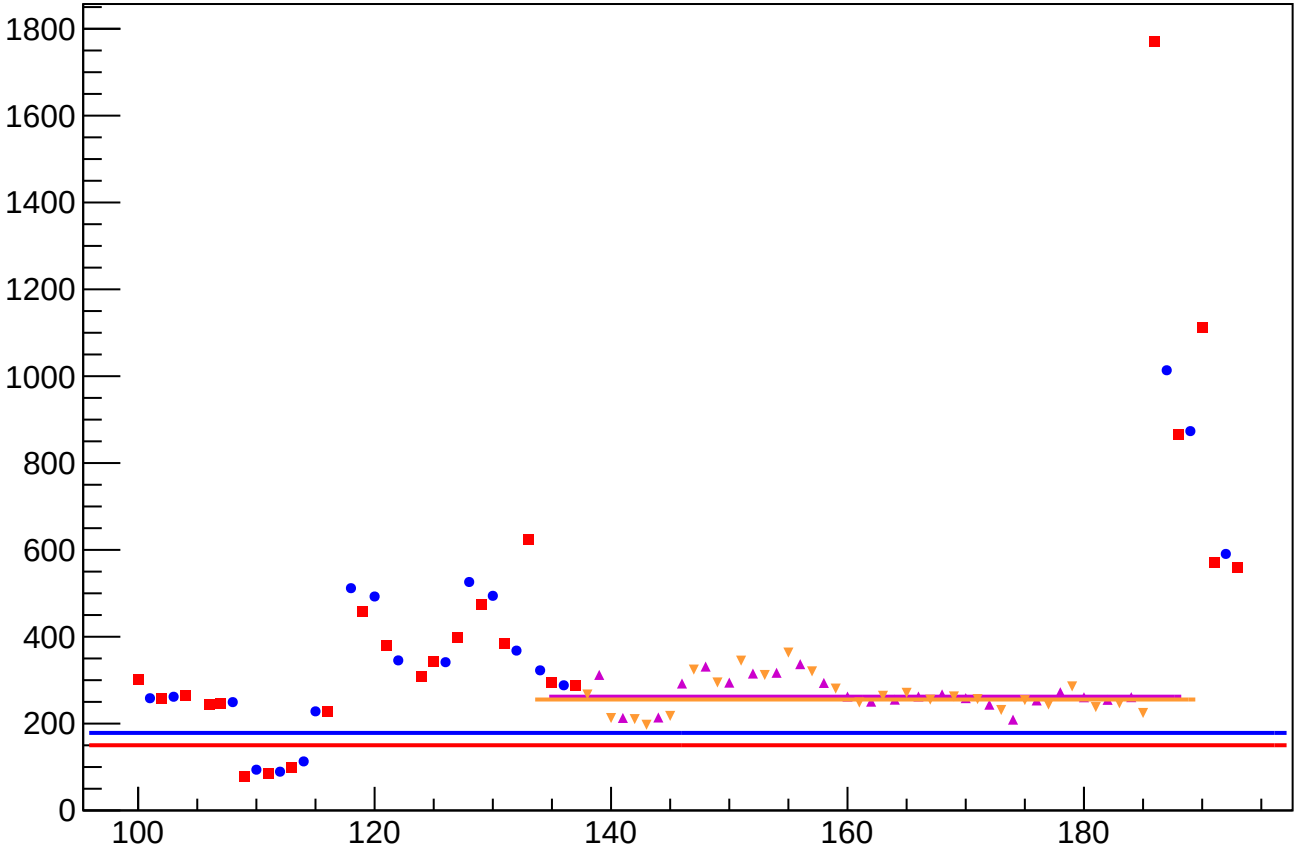
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -199.881+/-46.410 χ^2/NDF: 79.0/43

All: -109.347+/-32.046 χ^2/NDF: 136.6/90

- sign -26.847+/-44.303 χ^2/NDF: 50.3/46

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: 150.155+/-0.045 χ^2/NDF: 8740506.7/23

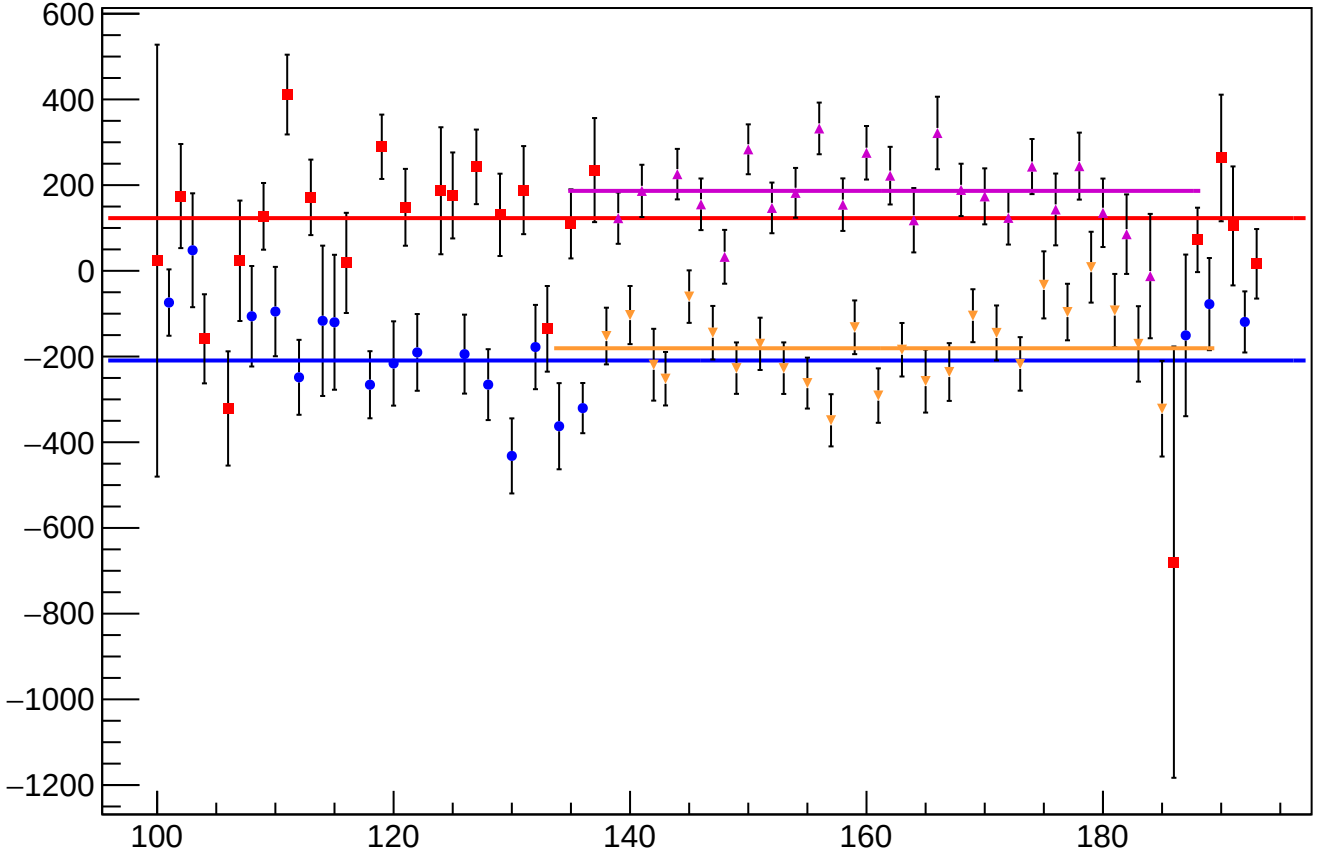
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 226.353+/-0.033 χ^2/NDF: 8582736.0/43

All: 216.480+/-0.023 χ^2/NDF: 21351960.6/90

- sign 207.482+/-0.031 χ^2/NDF: 12596212.0/46

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: 122.997+/-20.908 χ^2/NDF: 50.8/23

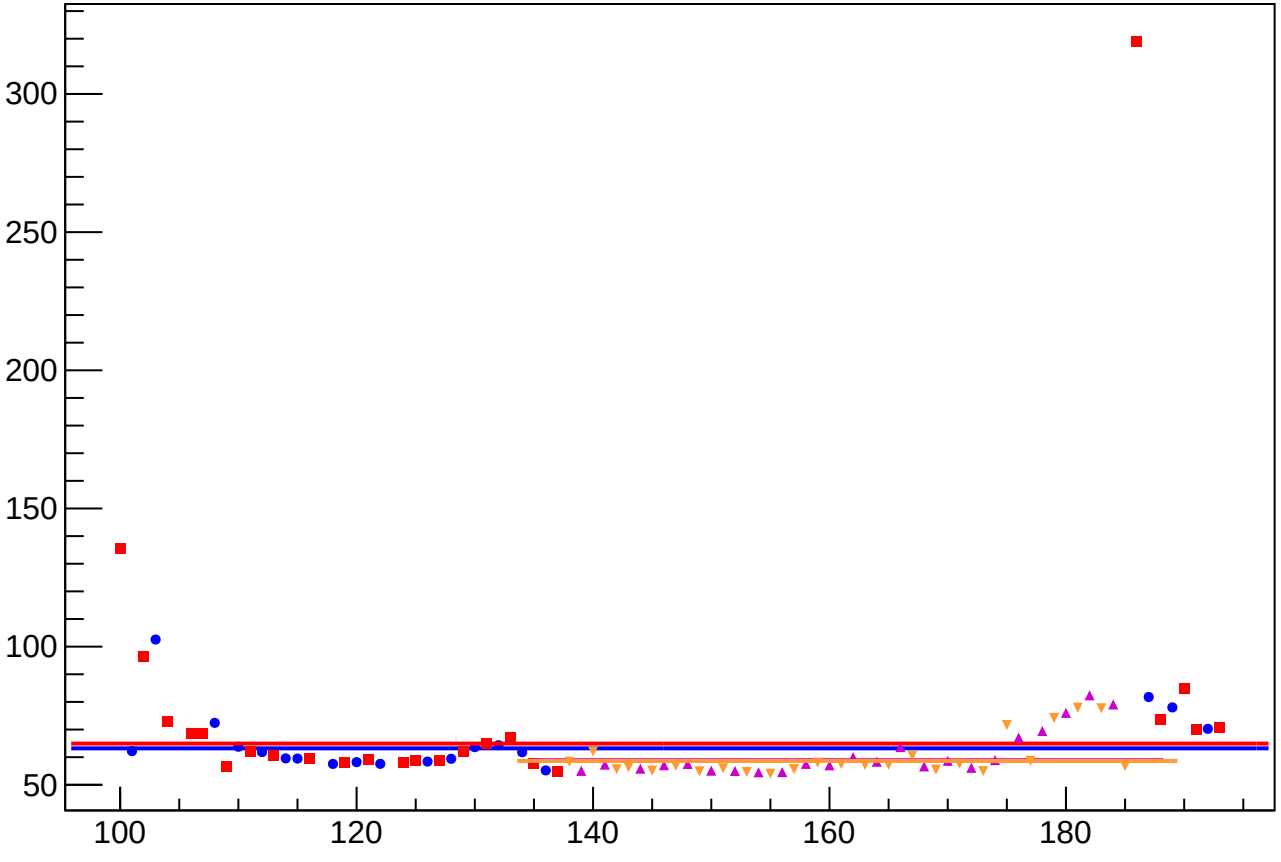
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -188.744+/-11.370 χ^2/NDF: 66.2/43

All: -13.626+/-8.103 χ^2/NDF: 634.6/90

- sign 167.160+/-11.552 χ^2/NDF: 86.3/46

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: 64.925+/-0.015 χ^2/NDF: 889030.0/23

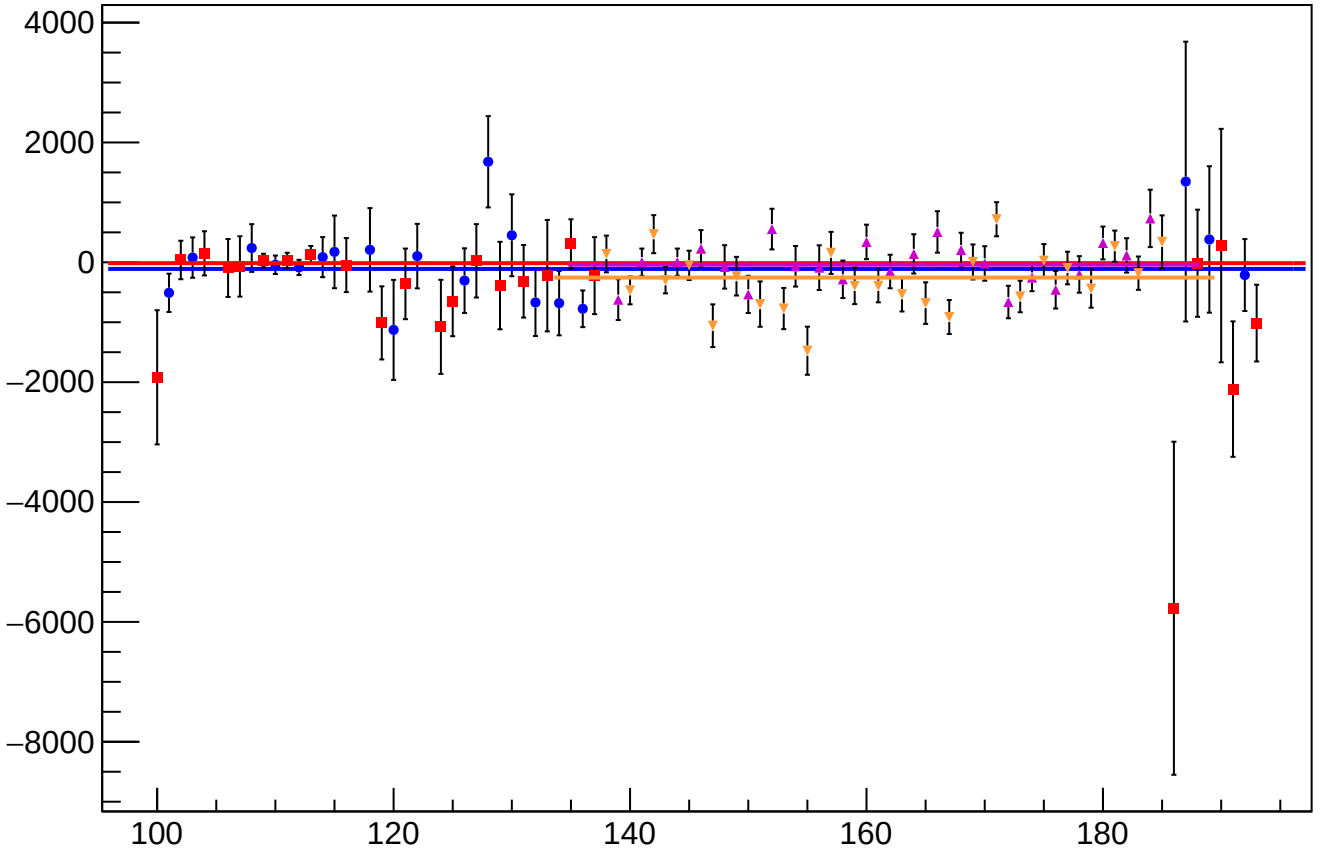
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.927+/-0.008 χ^2/NDF: 797274.9/43

All: 60.329+/-0.006 χ^2/NDF: 2193358.3/90

- sign 60.744+/-0.008 χ^2/NDF: 1391004.5/46

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: -13.919+/-63.453 χ^2/NDF: 21.9/23

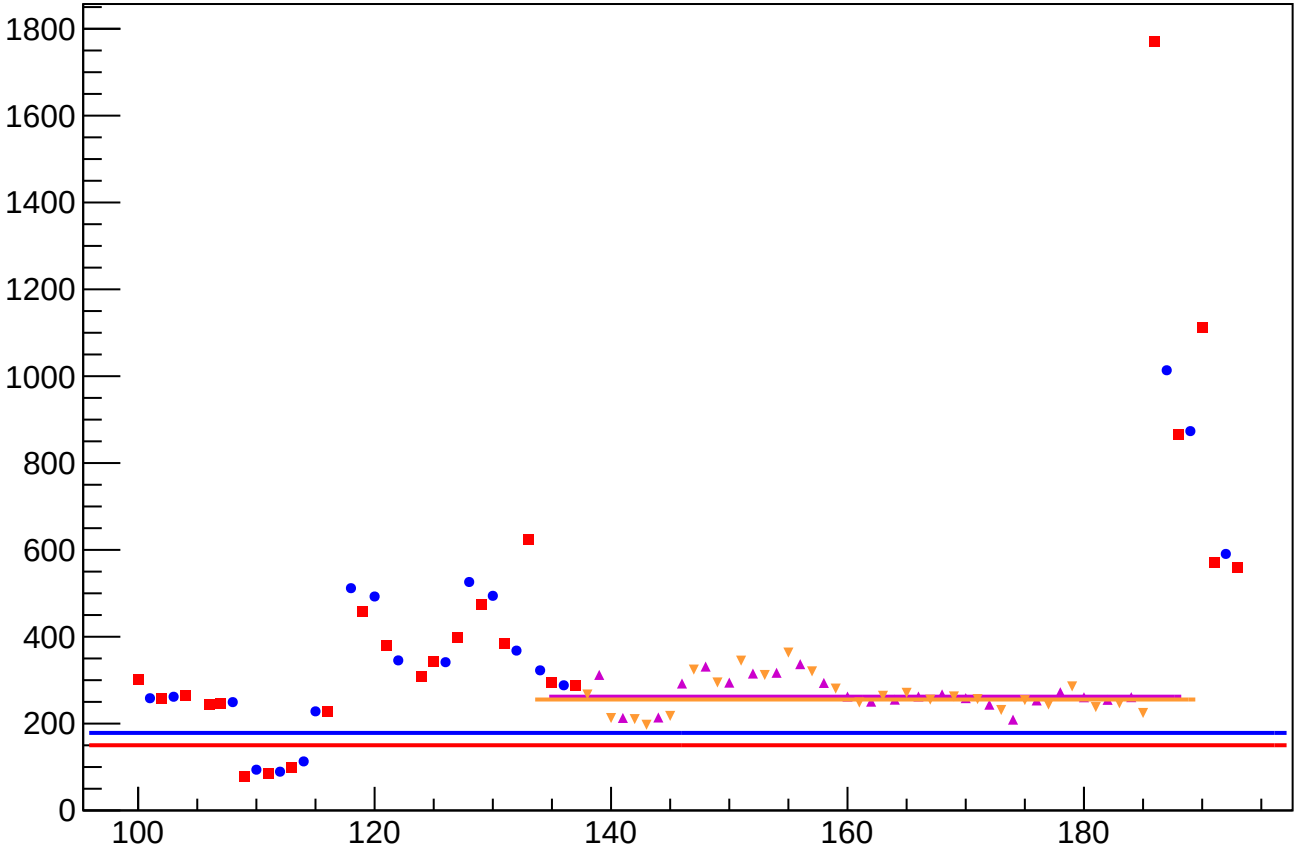
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -199.881+/-46.410 χ^2/NDF: 79.0/43

All: -109.347+/-32.046 χ^2/NDF: 136.6/90

- sign -26.847+/-44.303 χ^2/NDF: 50.3/46

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: 150.155+/-0.045 χ^2/NDF: 8740506.7/23

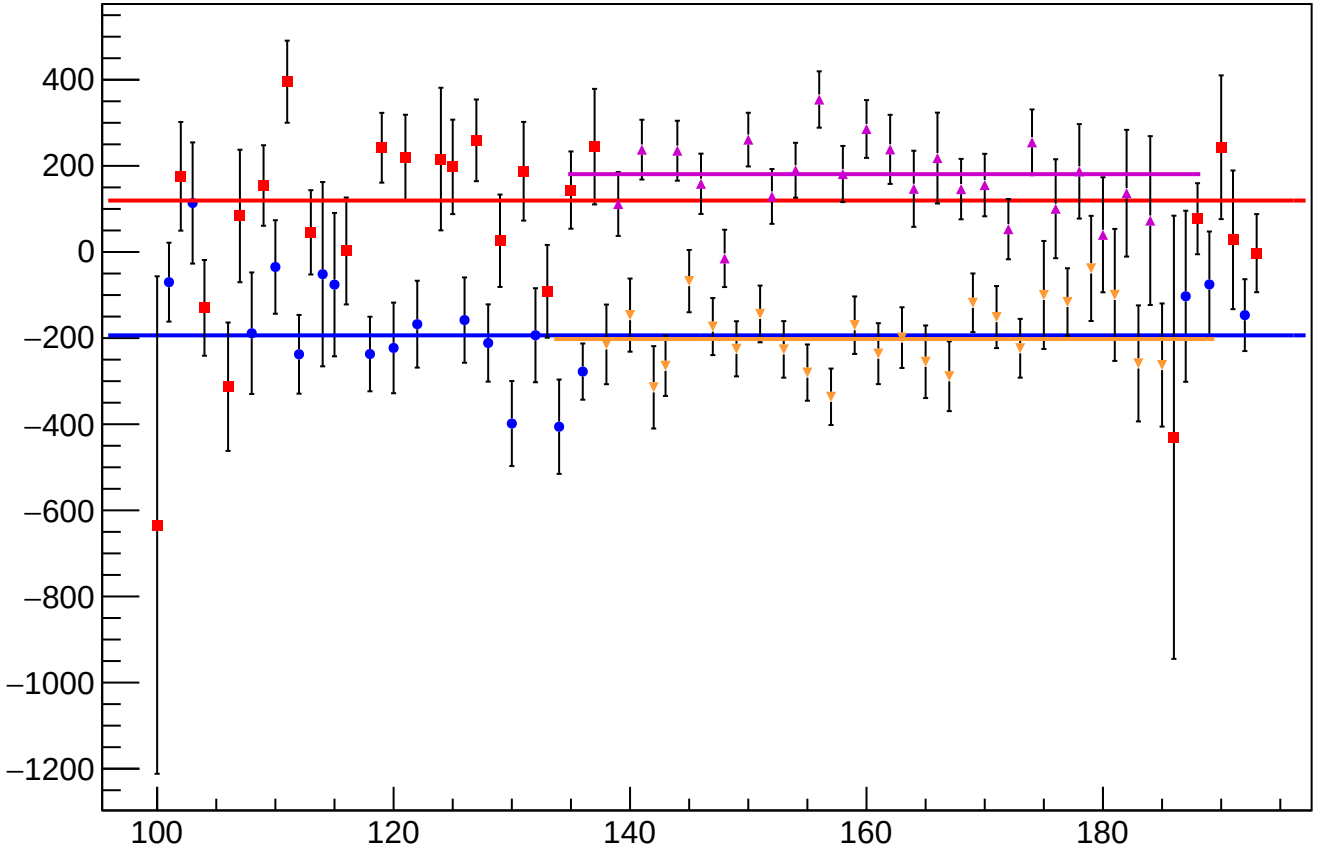
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 226.353+/-0.033 χ^2/NDF: 8582736.0/43

All: 216.480+/-0.023 χ^2/NDF: 21351960.6/90

- sign 207.482+/-0.031 χ^2/NDF: 12596212.0/46

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: 119.508+/-23.024 χ^2/NDF: 41.6/23

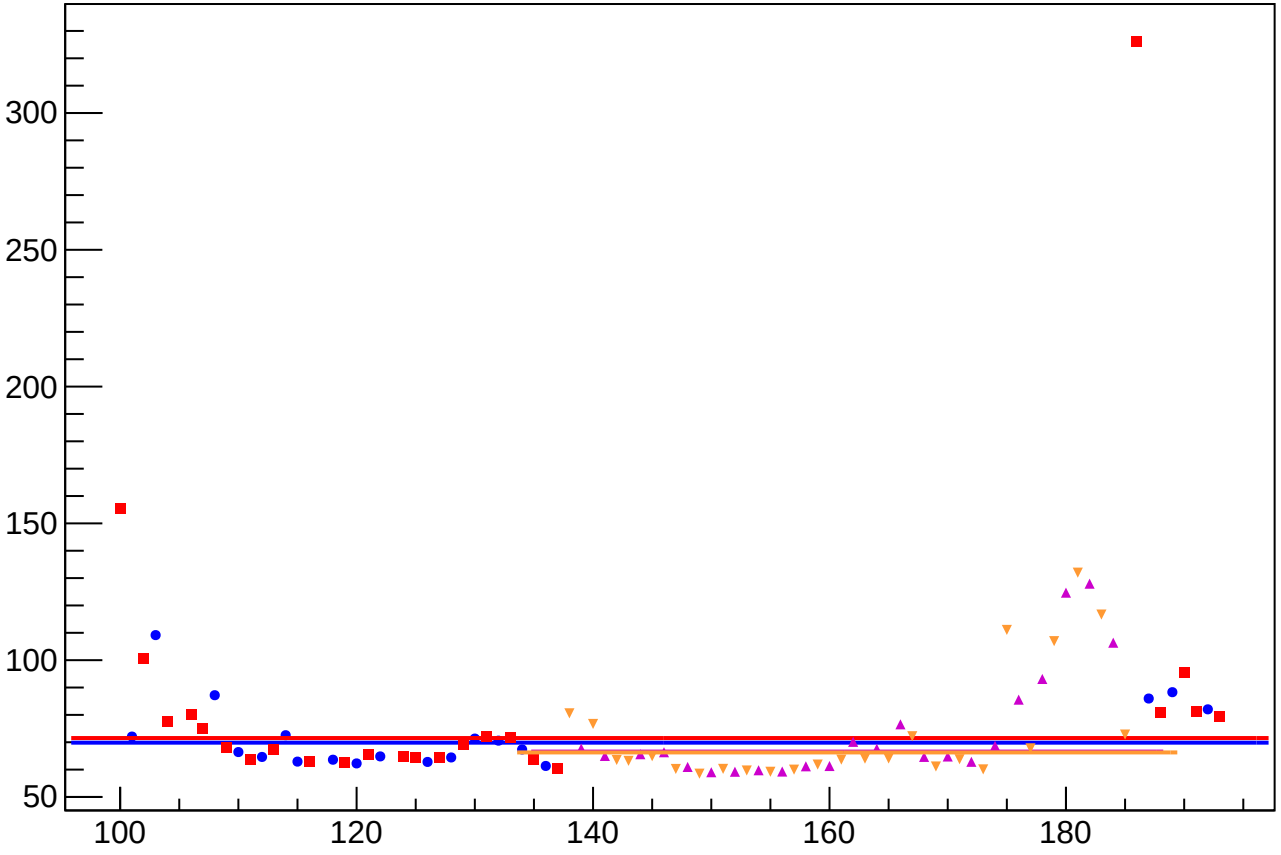
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -199.543+/-13.005 χ^2/NDF: 43.2/43

All: -21.358+/-9.247 χ^2/NDF: 499.4/90

- sign 160.797+/-13.149 χ^2/NDF: 76.6/46

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: 71.538+/-0.016 χ^2/NDF: 851385.9/23

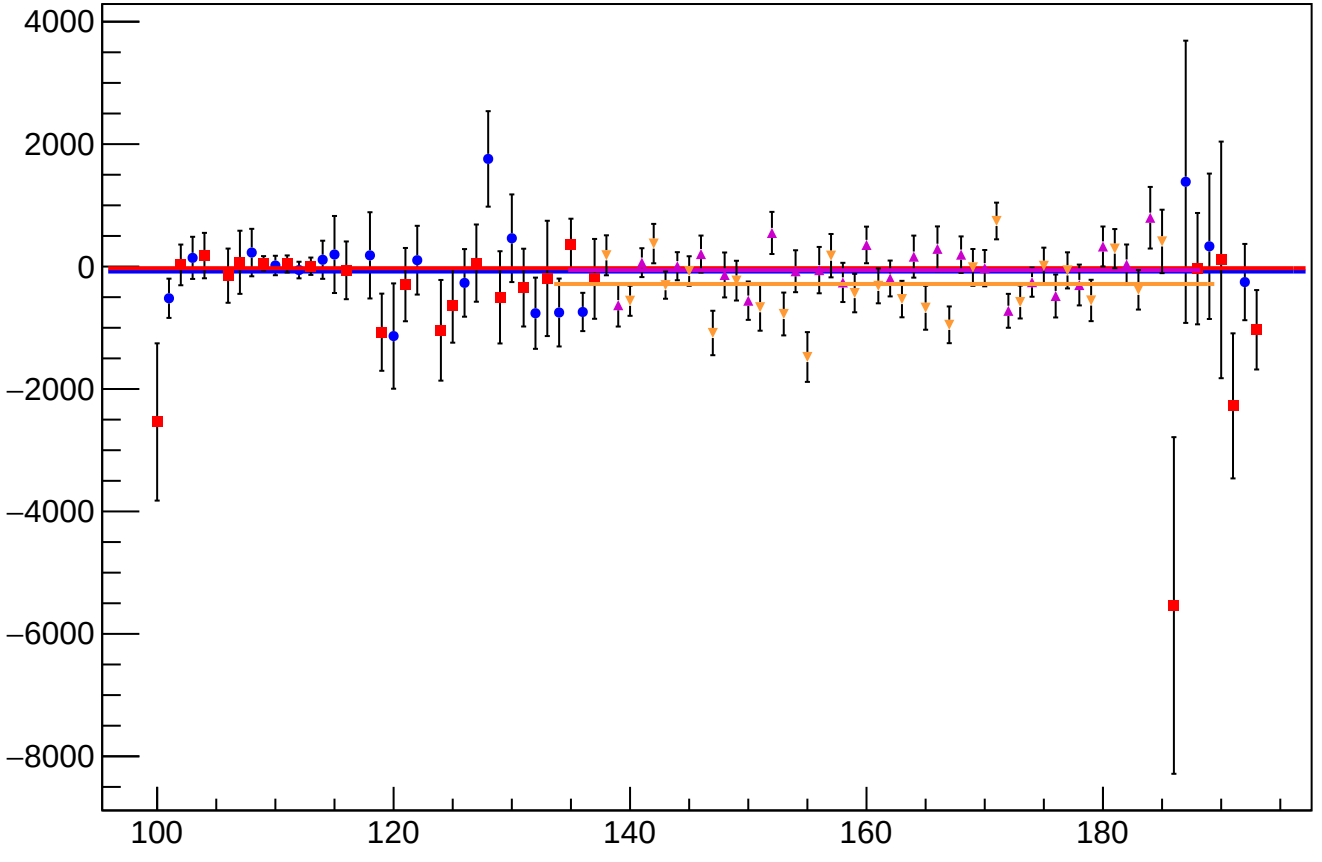
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 67.348+/-0.009 χ^2/NDF: 1804950.6/43

All: 67.770+/-0.007 χ^2/NDF: 3881198.9/90

- sign 68.201+/-0.009 χ^2/NDF: 2071995.0/46

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: -26.464+/-65.248 χ^2/NDF: 22.2/23

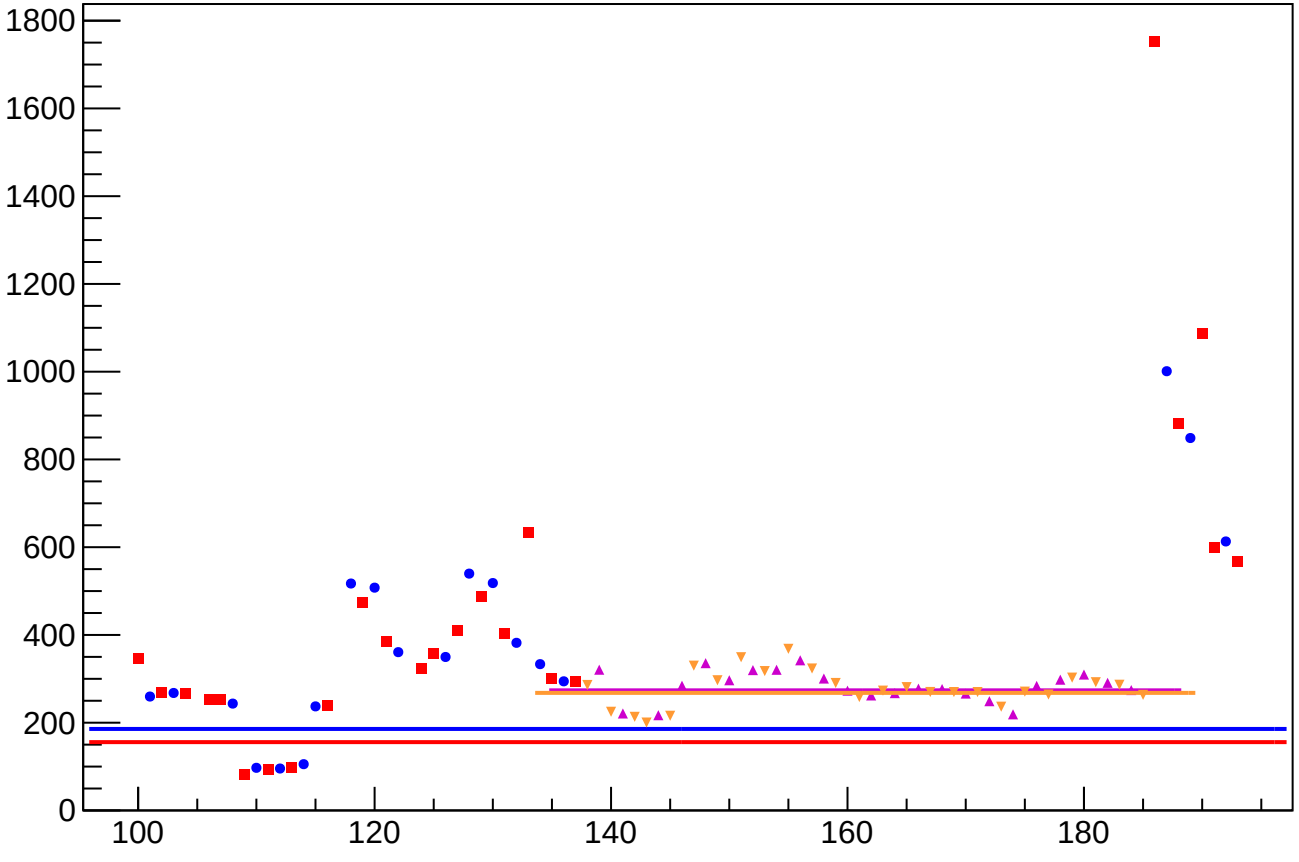
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -206.081+/-48.366 χ^2/NDF: 78.6/43

All: -120.293+/-33.301 χ^2/NDF: 133.7/90

- sign -42.966+/-45.919 χ^2/NDF: 49.1/46

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: 155.721+/-0.046 χ^2/NDF: 8696722.3/23

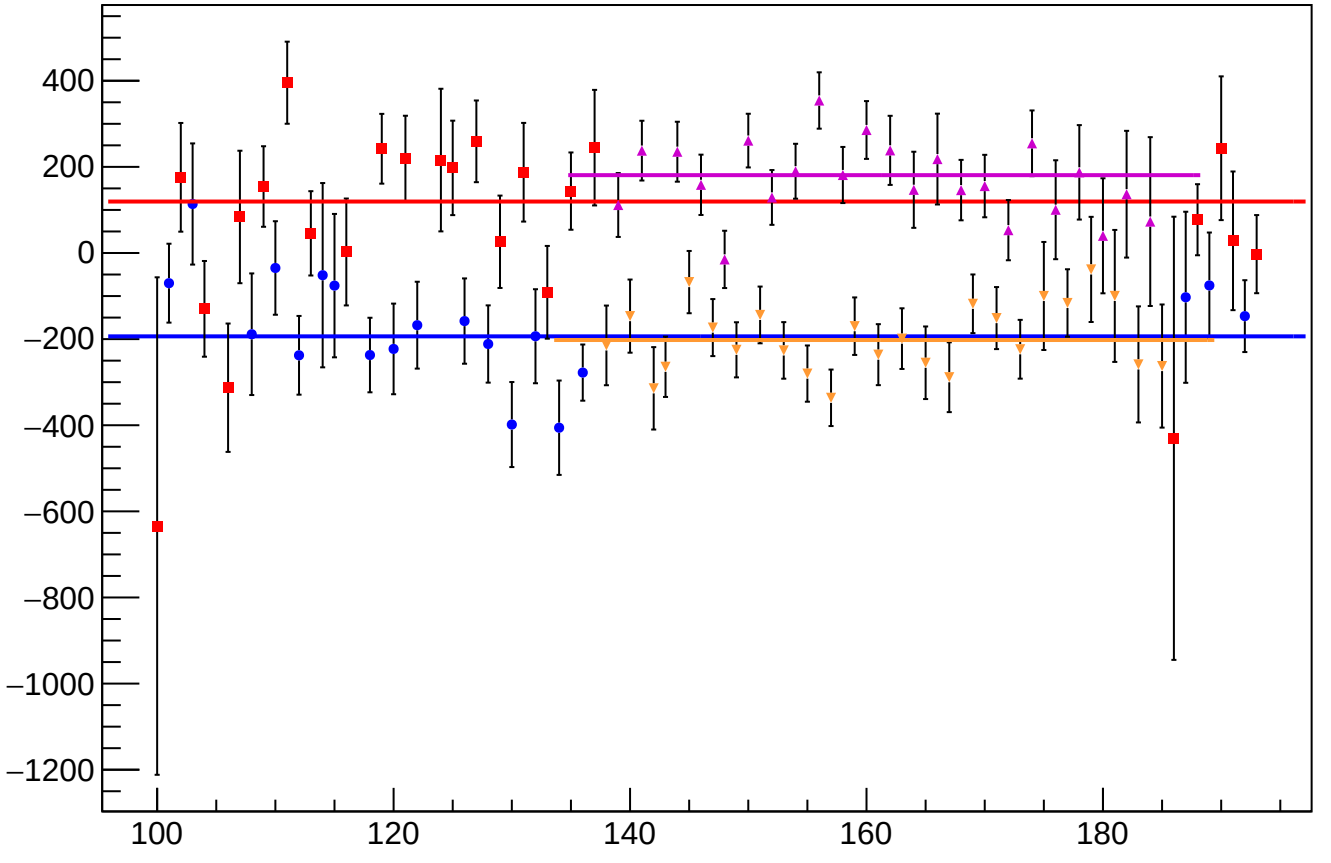
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 236.248+/-0.034 χ^2/NDF: 8512992.6/43

All: 225.226+/-0.024 χ^2/NDF: 21360586.9/90

- sign 215.291+/-0.032 χ^2/NDF: 12650114.3/46

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: 119.509+/-23.024 χ^2/NDF: 41.6/23

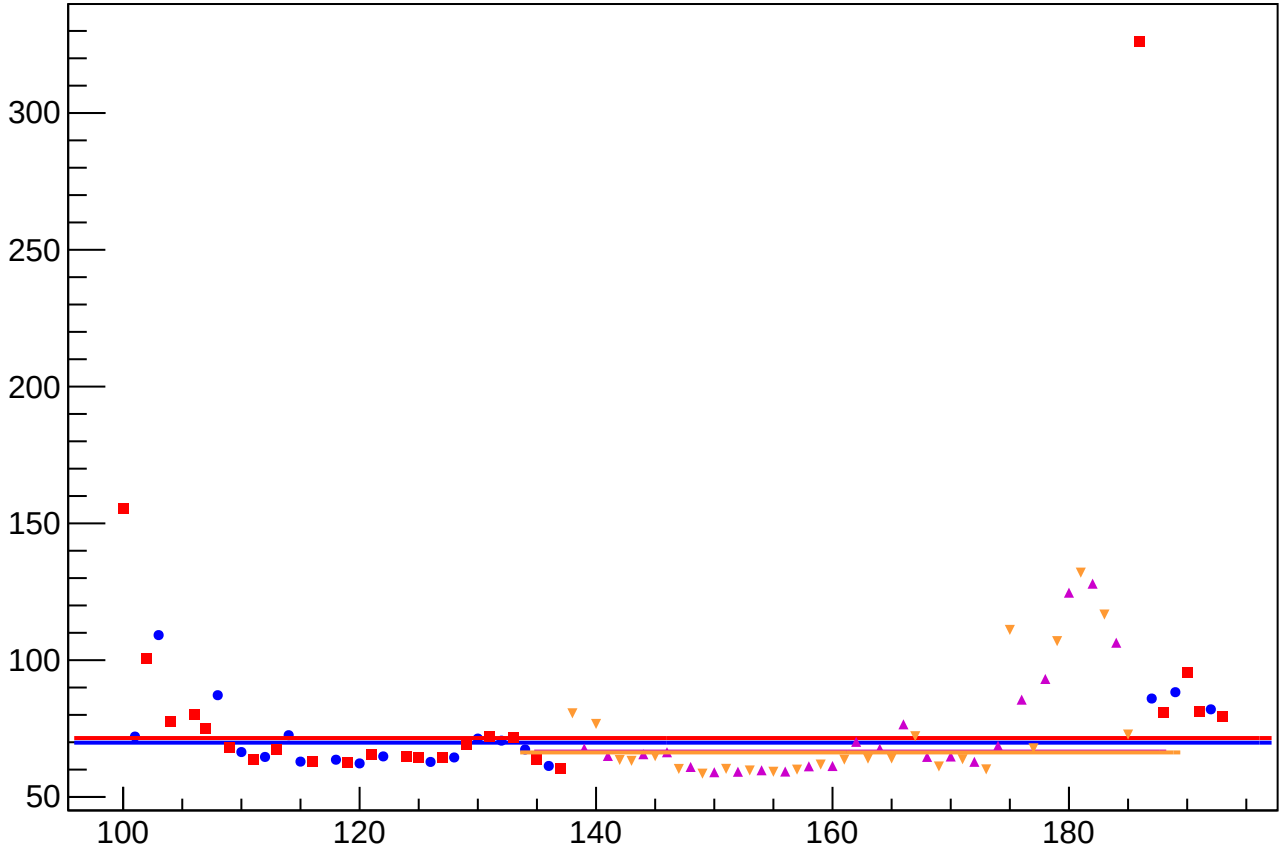
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -199.542+/-13.005 χ^2/NDF: 43.2/43

All: -21.357+/-9.247 χ^2/NDF: 499.4/90

- sign 160.798+/-13.149 χ^2/NDF: 76.6/46

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: 71.538+/-0.016 χ^2/NDF: 851386.9/23

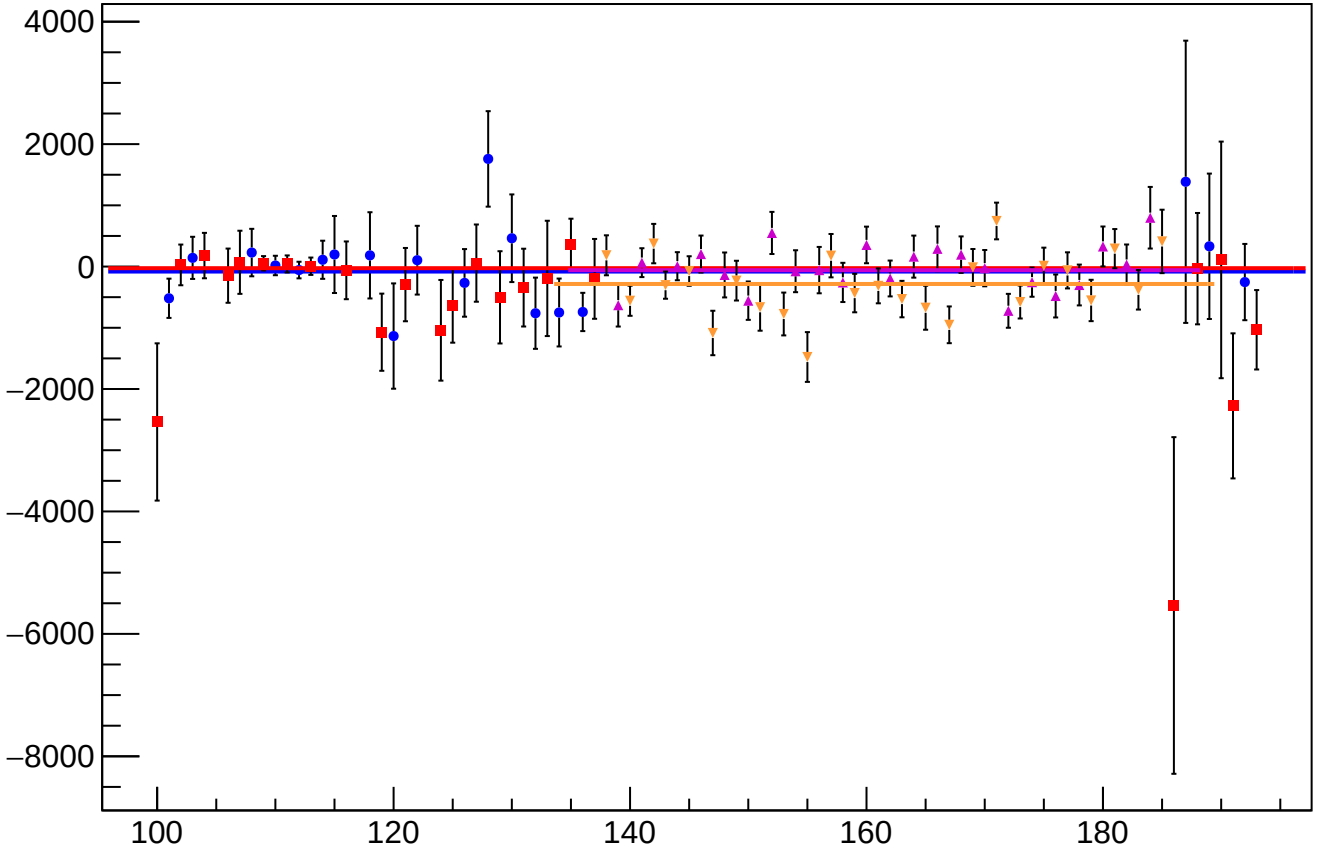
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 67.348+/-0.009 χ^2/NDF: 1804951.1/43

All: 67.770+/-0.007 χ^2/NDF: 3881187.4/90

- sign 68.201+/-0.009 χ^2/NDF: 2071983.1/46

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: -26.463+/-65.248 χ^2/NDF: 22.2/23

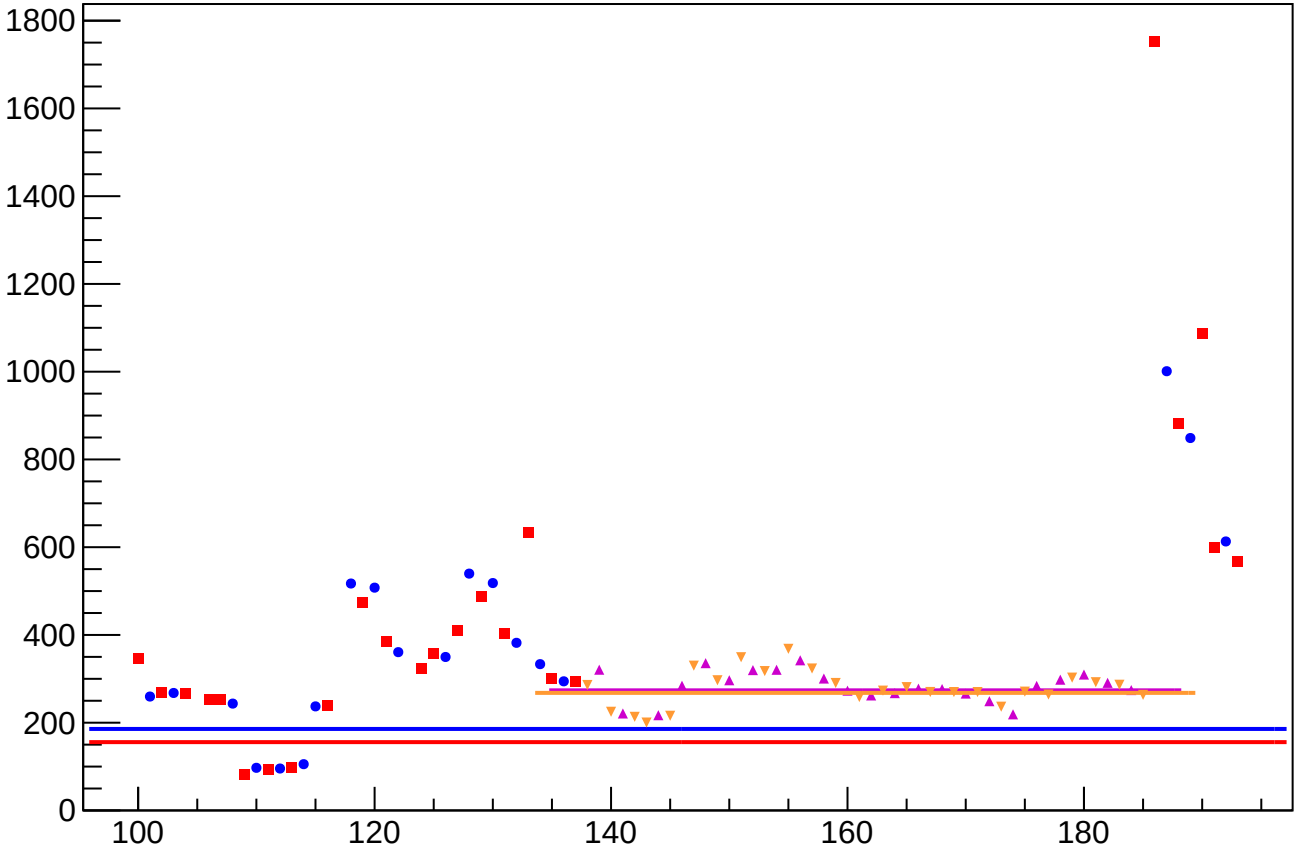
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -206.080+/-48.366 χ^2/NDF: 78.6/43

All: -120.292+/-33.301 χ^2/NDF: 133.7/90

- sign -42.965+/-45.919 χ^2/NDF: 49.1/46

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: 155.721+/-0.046 χ^2/NDF: 8696700.6/23

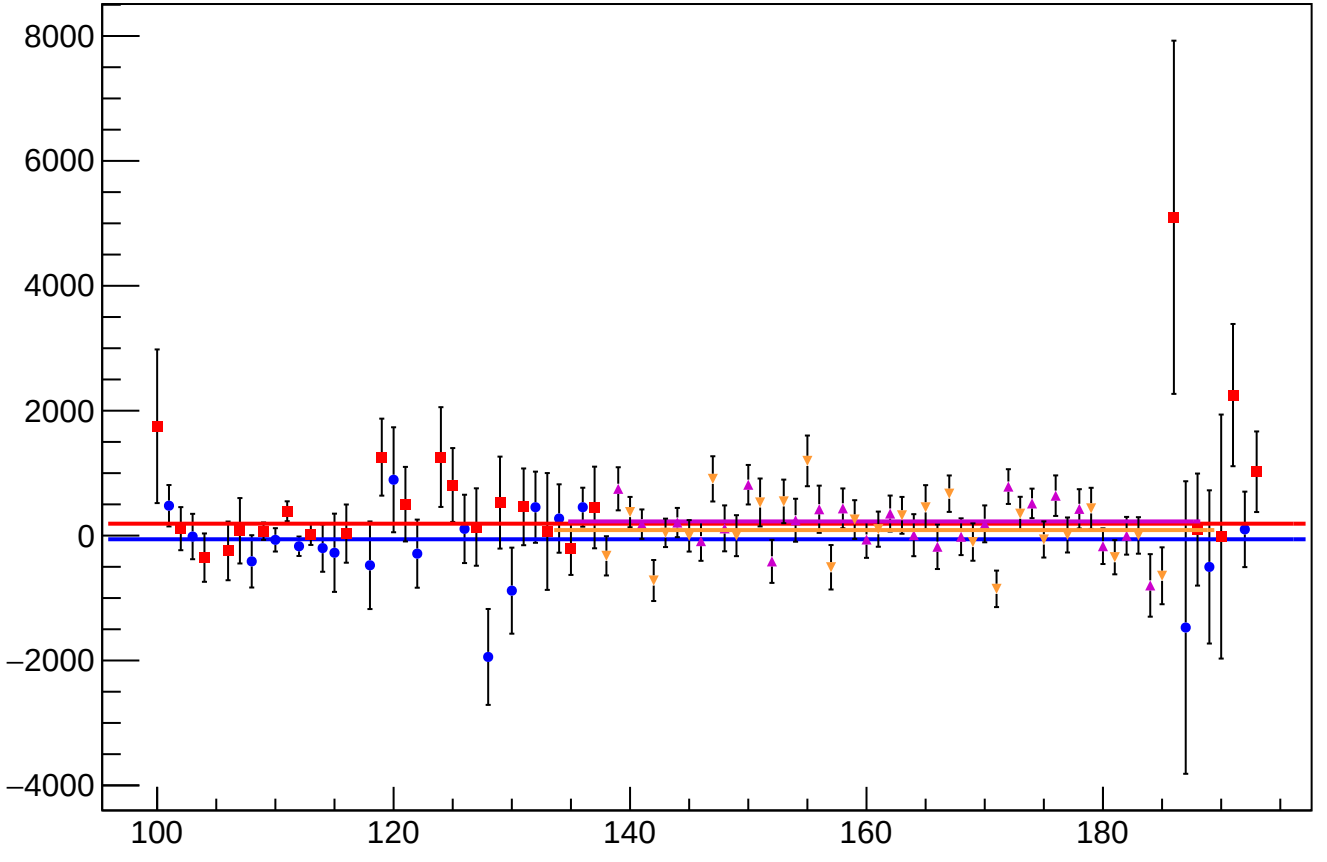
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 236.247+/-0.034 χ^2/NDF: 8513061.4/43

All: 225.225+/-0.024 χ^2/NDF: 21360614.0/90

- sign 215.291+/-0.032 χ^2/NDF: 12650083.5/46

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: 190.728+/-73.621 χ^2/NDF: 23.5/23

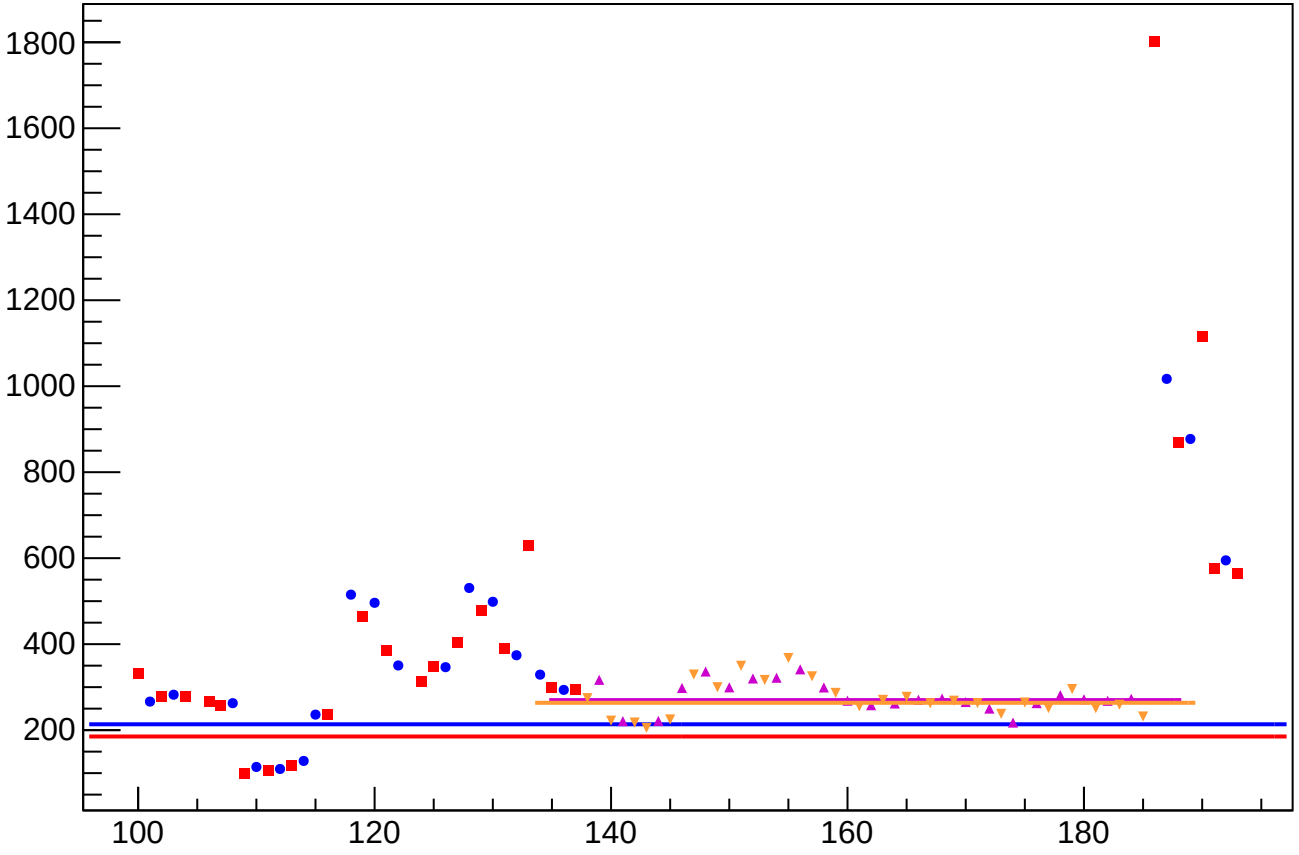
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 39.268+/-49.523 χ^2/NDF: 72.1/43

All: 127.733+/-34.526 χ^2/NDF: 130.8/90

- sign 211.401+/-48.161 χ^2/NDF: 52.5/46

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: 185.214+/-0.052 χ^2/NDF: 7461913.1/23

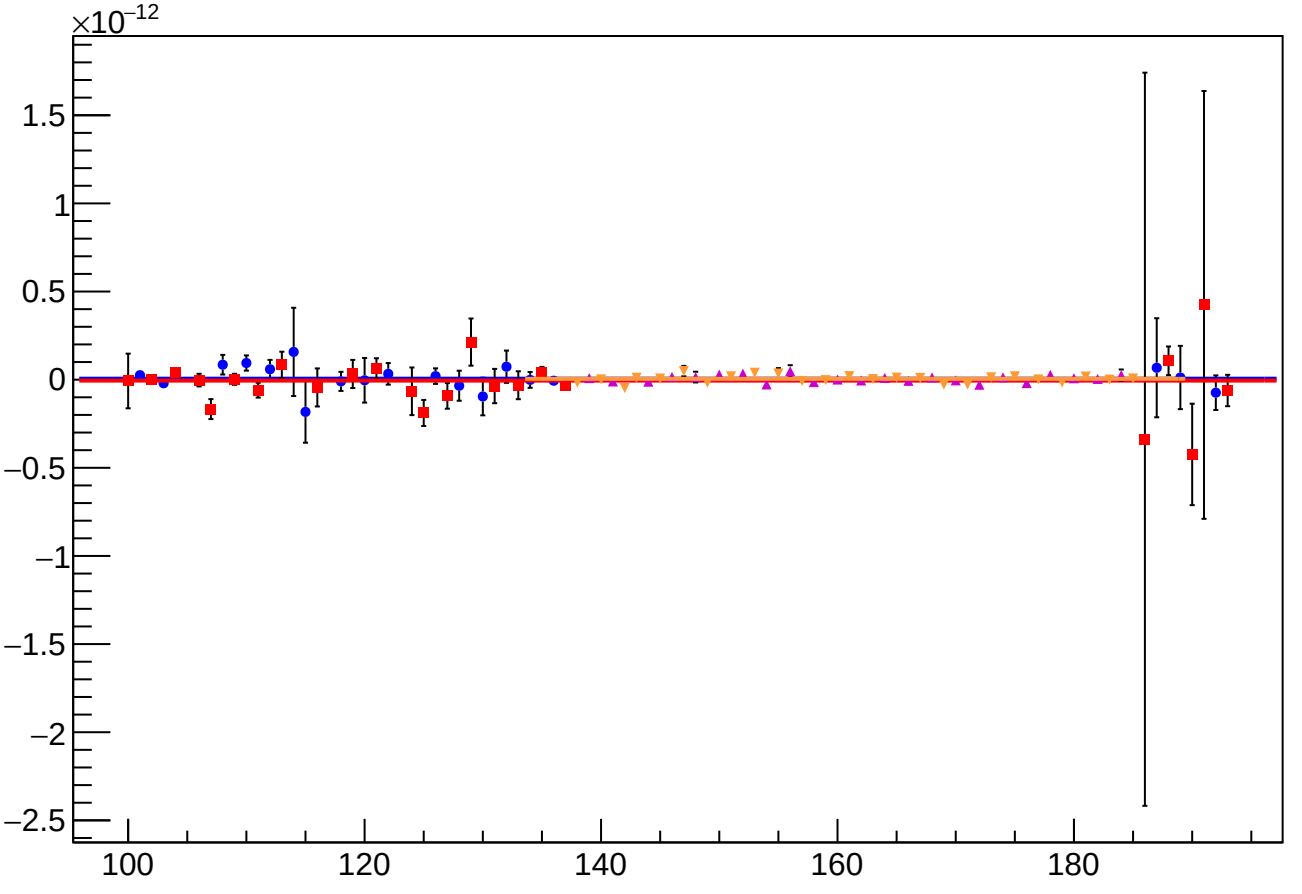
Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 246.921+/-0.035 χ^2/NDF: 6462179.4/43

All: 240.104+/-0.024 χ^2/NDF: 16113835.4/90

- sign 233.657+/-0.034 χ^2/NDF: 9577924.2/46

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

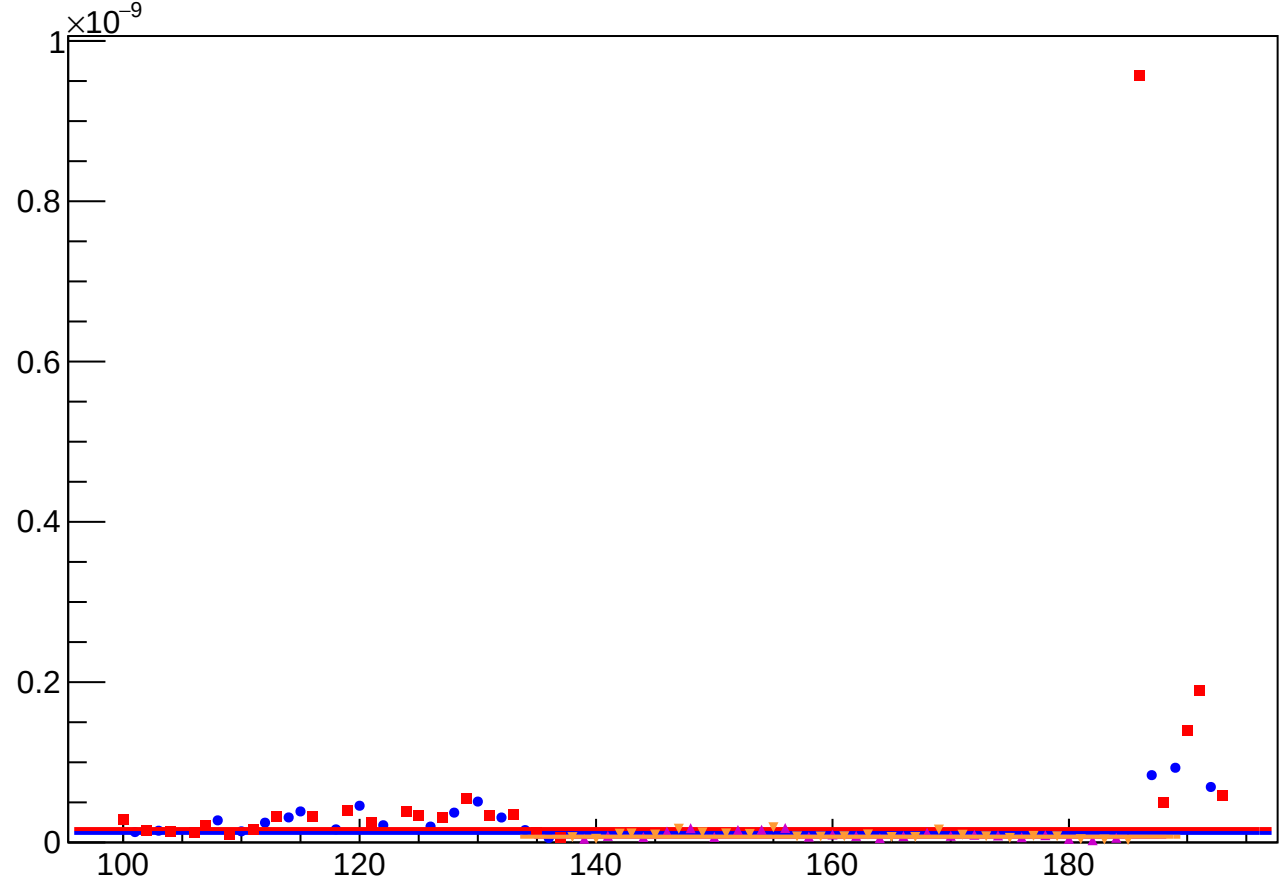
Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/23

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: 100.0/90

- sign 0.000+/-0.000 χ^2/NDF: 57.2/46



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: 3059536.2/23

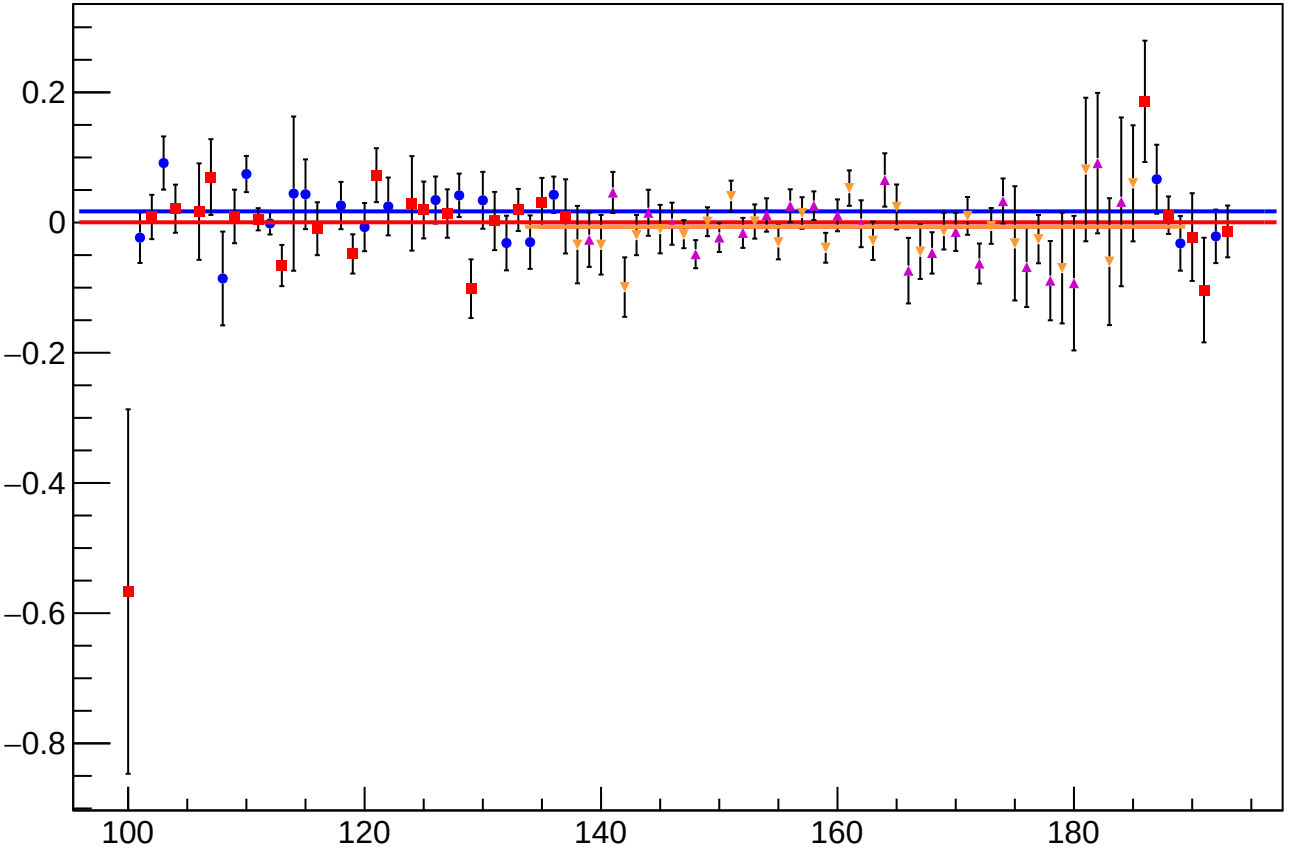
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 5578121.0/43

All: 0.000+/-0.000 χ^2/NDF: 12375260.3/90

- sign 0.000+/-0.000 χ^2/NDF: 6790821.8/46

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: 0.000+/-0.008 χ^2/NDF: 28.9/23

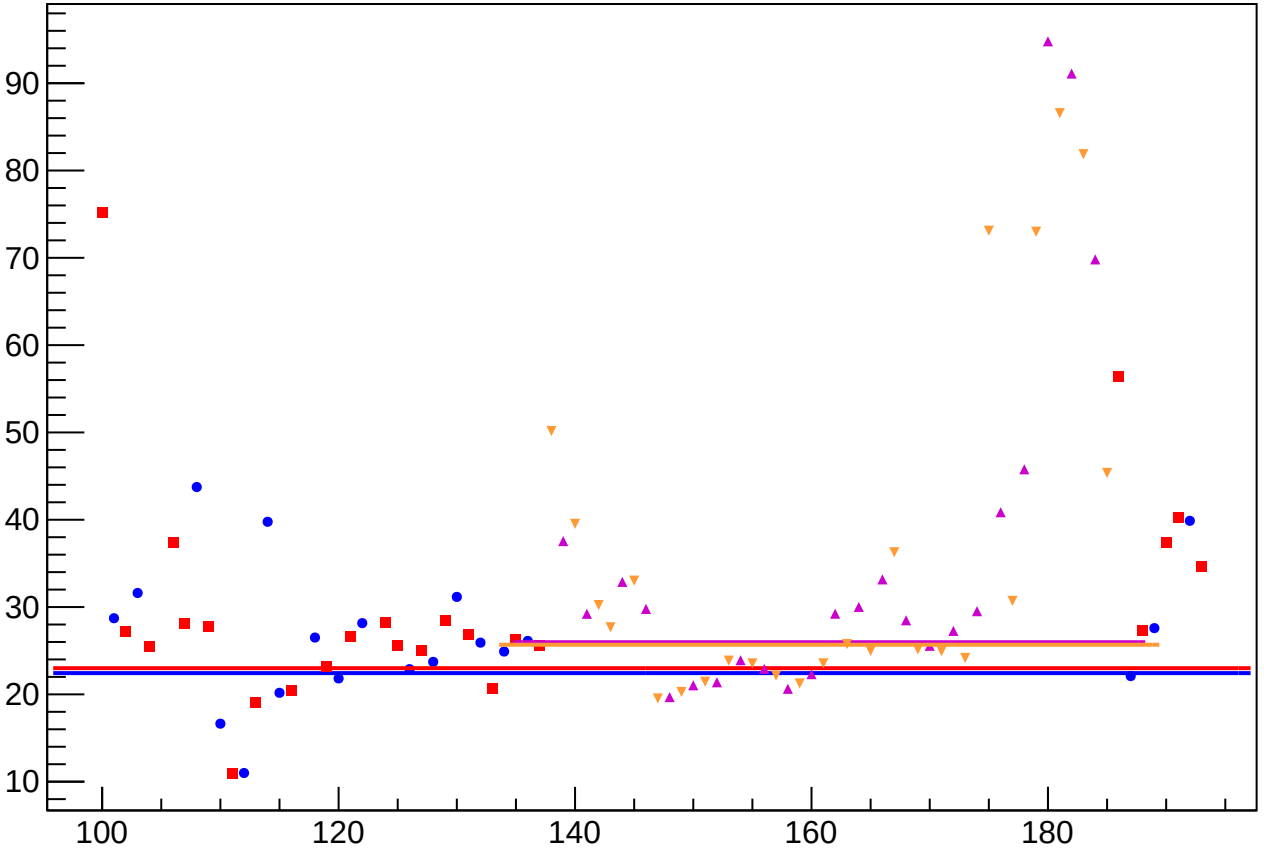
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 47.9/43

All: -0.001+/-0.004 χ^2/NDF: 106.3/90

- sign -0.004+/-0.005 χ^2/NDF: 57.7/46

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

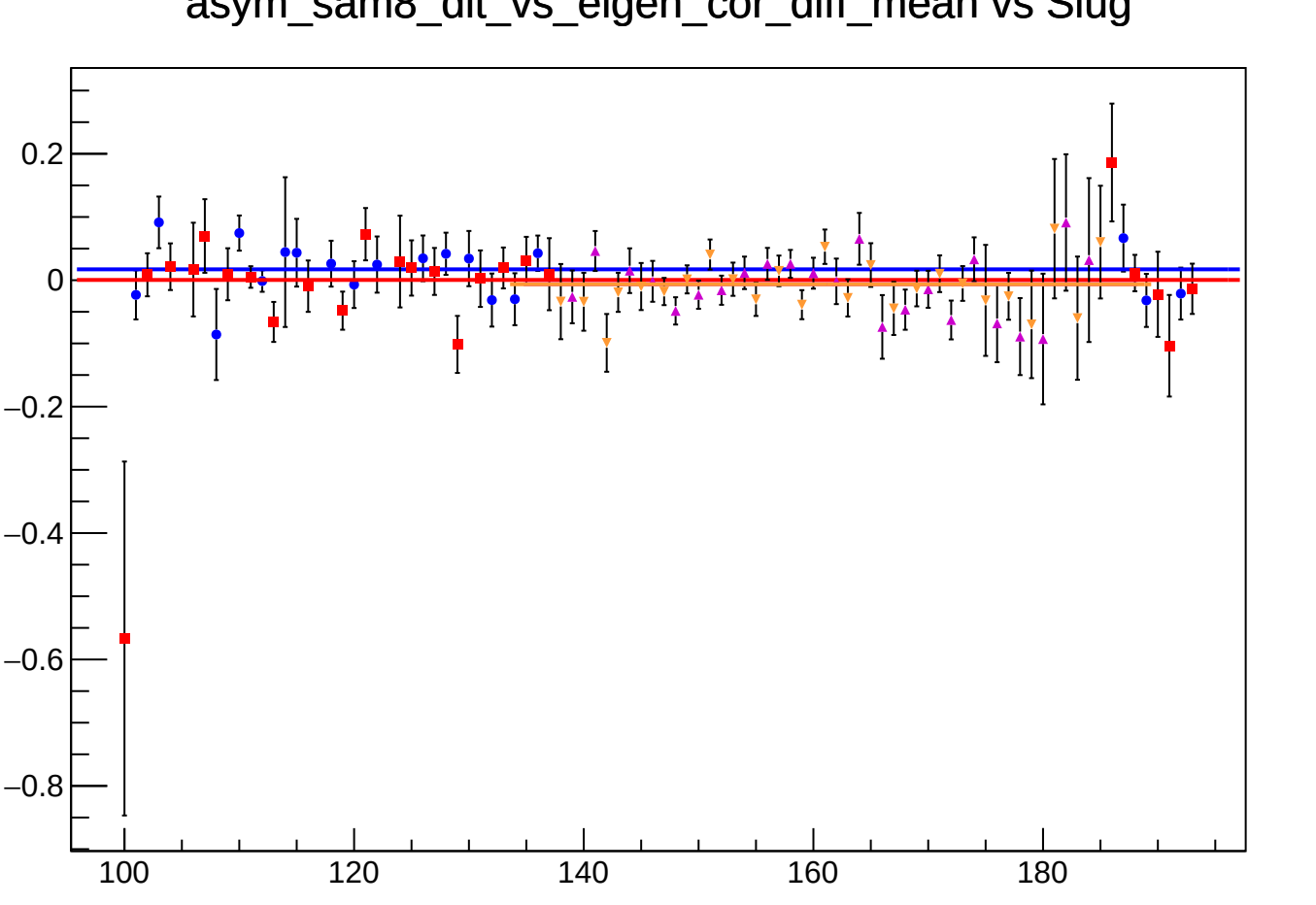
Right Out: 23.000+/-0.006 χ^2/NDF: 2040533.3/23

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

\+ sign 24.461+/-0.004 χ^2/NDF: 6023625.4/43

All: 24.599+/-0.003 χ^2/NDF: 11352430.0/90

\- sign 24.739+/-0.004 χ^2/NDF: 5325788.7/46



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: 0.000+/-0.008 χ^2/NDF: 28.9/23

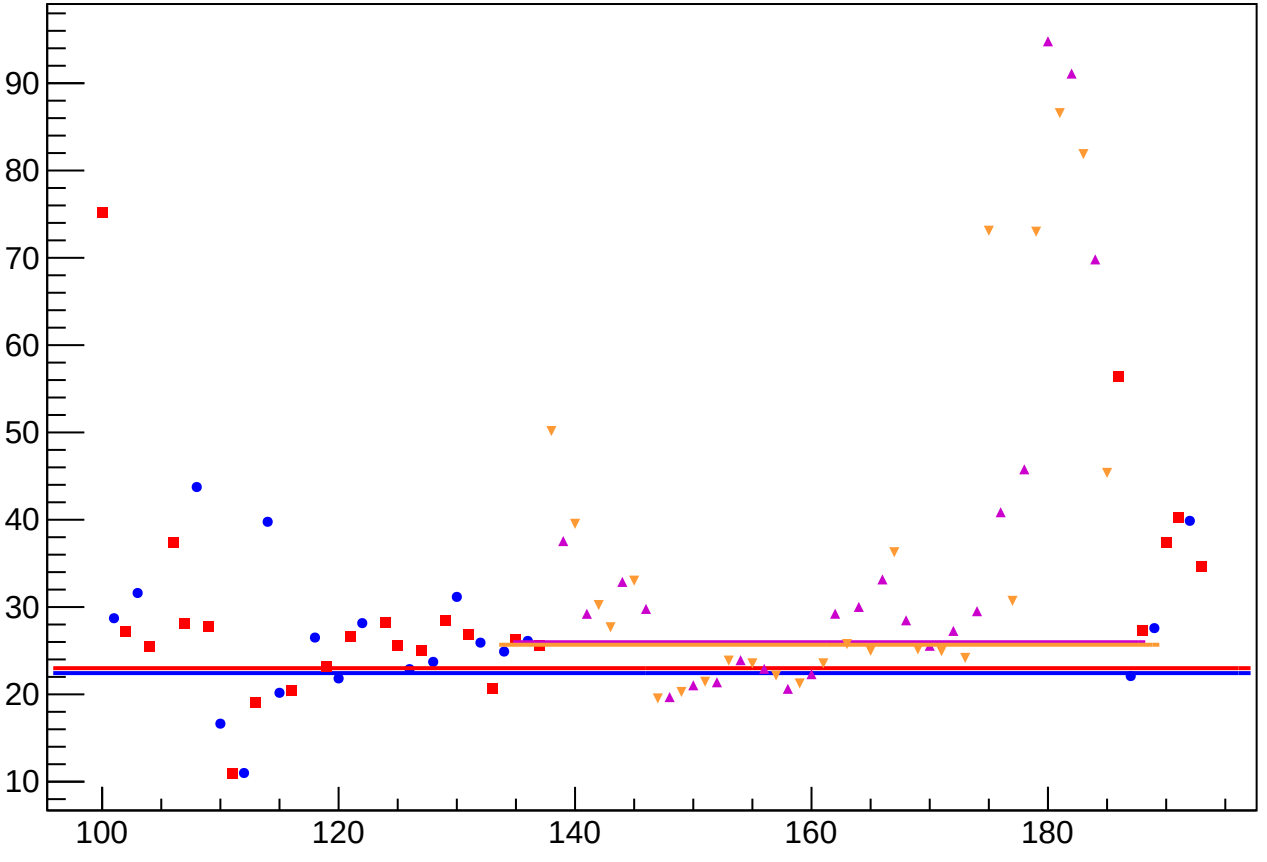
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 47.9/43

All: -0.001+/-0.004 χ^2/NDF: 106.3/90

- sign -0.004+/-0.005 χ^2/NDF: 57.7/46

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

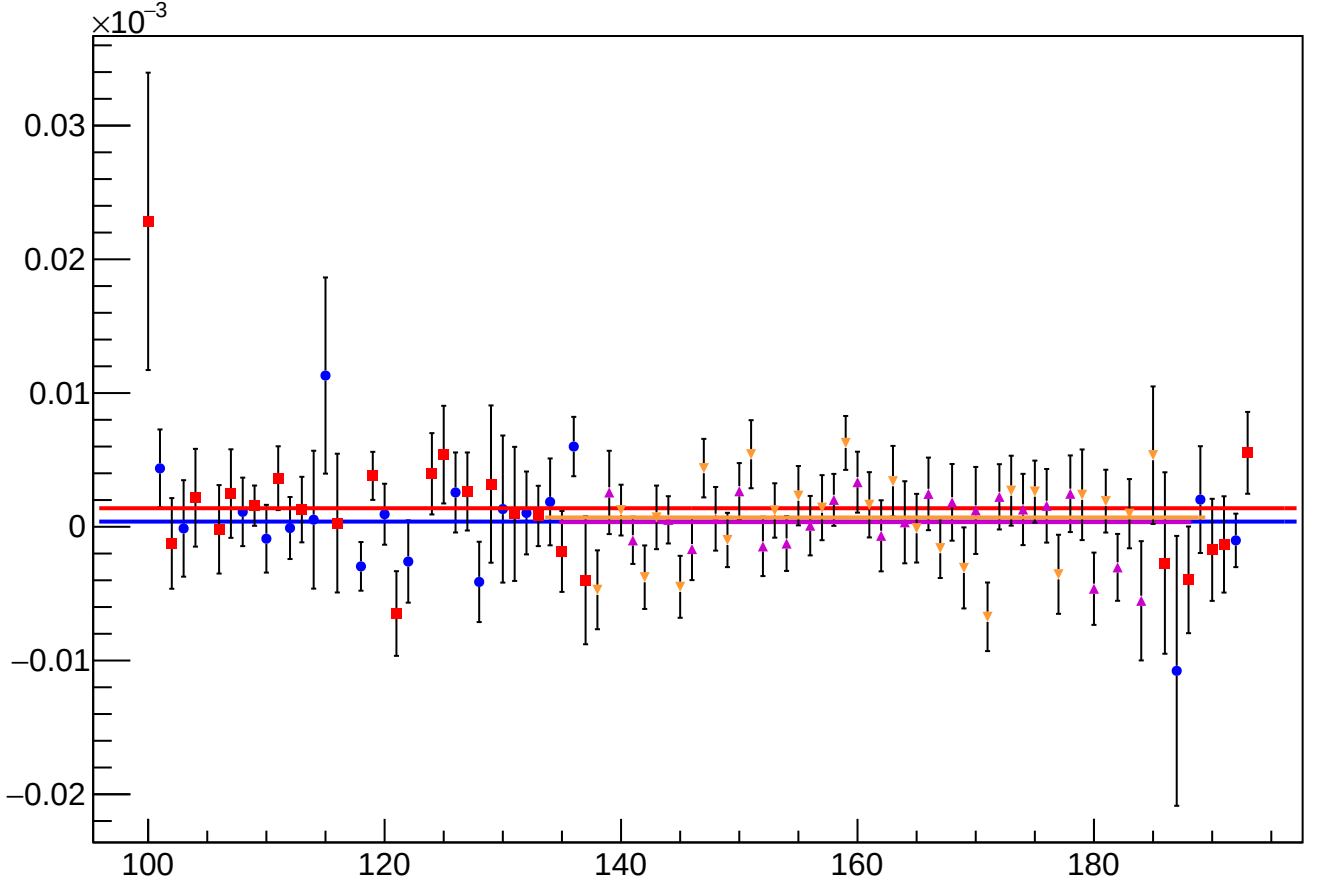
Right Out: 23.000+/-0.006 χ^2/NDF: 2040533.3/23

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.461+/-0.004 χ^2/NDF: 6023625.4/43

All: 24.599+/-0.003 χ^2/NDF: 11352430.0/90

- sign 24.739+/-0.004 χ^2/NDF: 5325788.7/46



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: 23.6/23

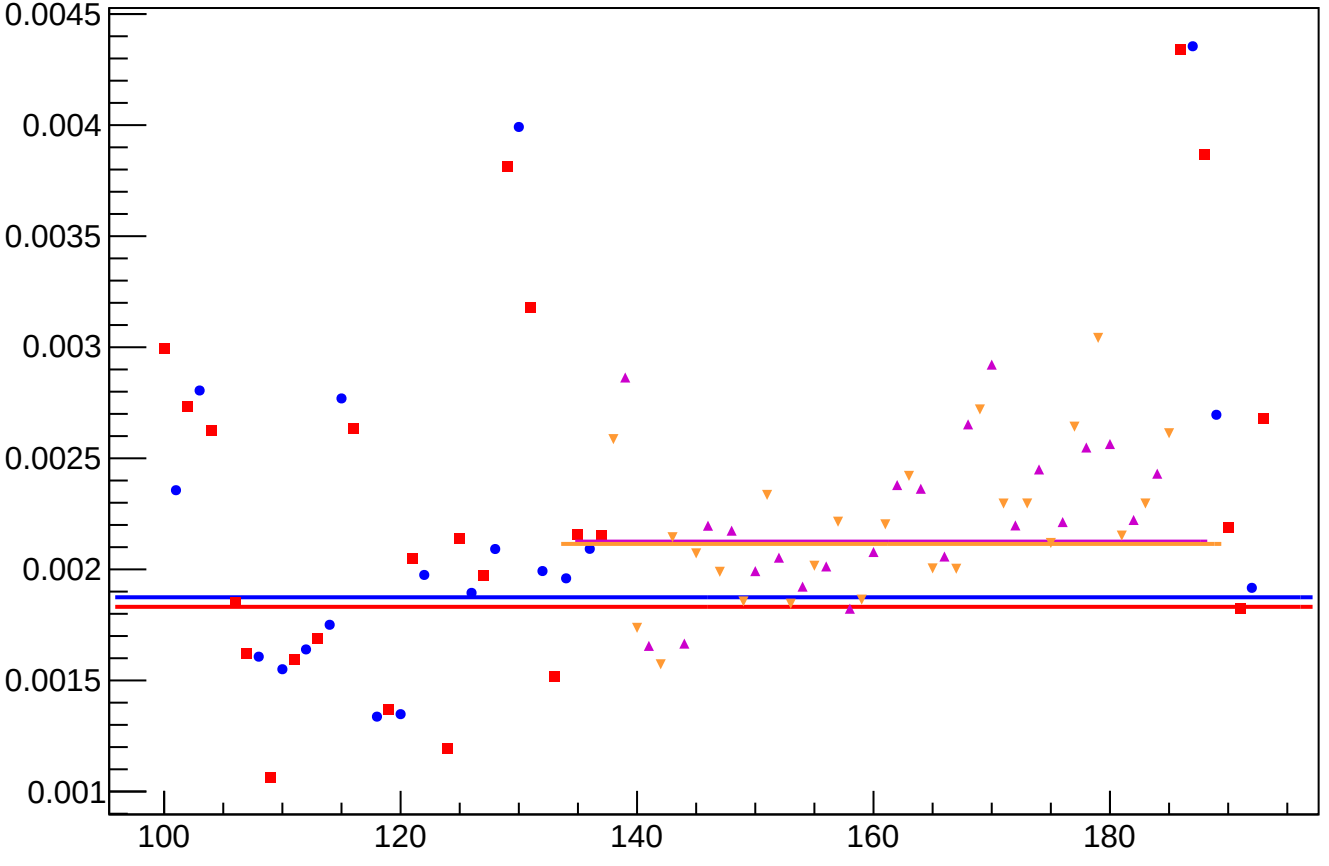
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.7/43

All: 0.000+/-0.000 χ^2/NDF: 106.4/90

- sign 0.000+/-0.000 χ^2/NDF: 41.6/46

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

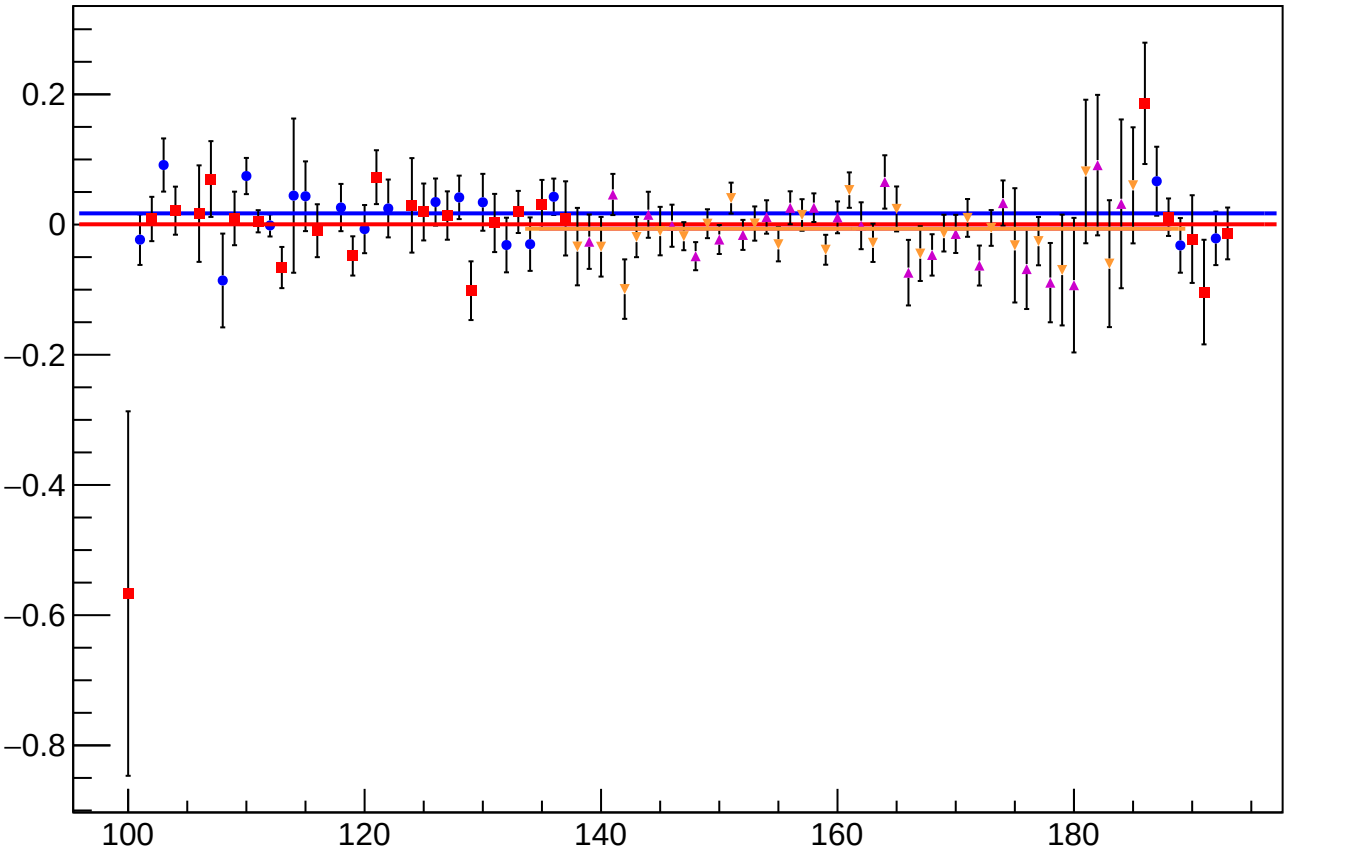
Right Out: 0.002+/-0.000 χ^2/NDF: 2518356.3/23

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: 5663260.0/90

- sign 0.002+/-0.000 χ^2/NDF: 3628845.8/46



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: 0.000+/-0.008 χ^2/NDF: 28.9/23

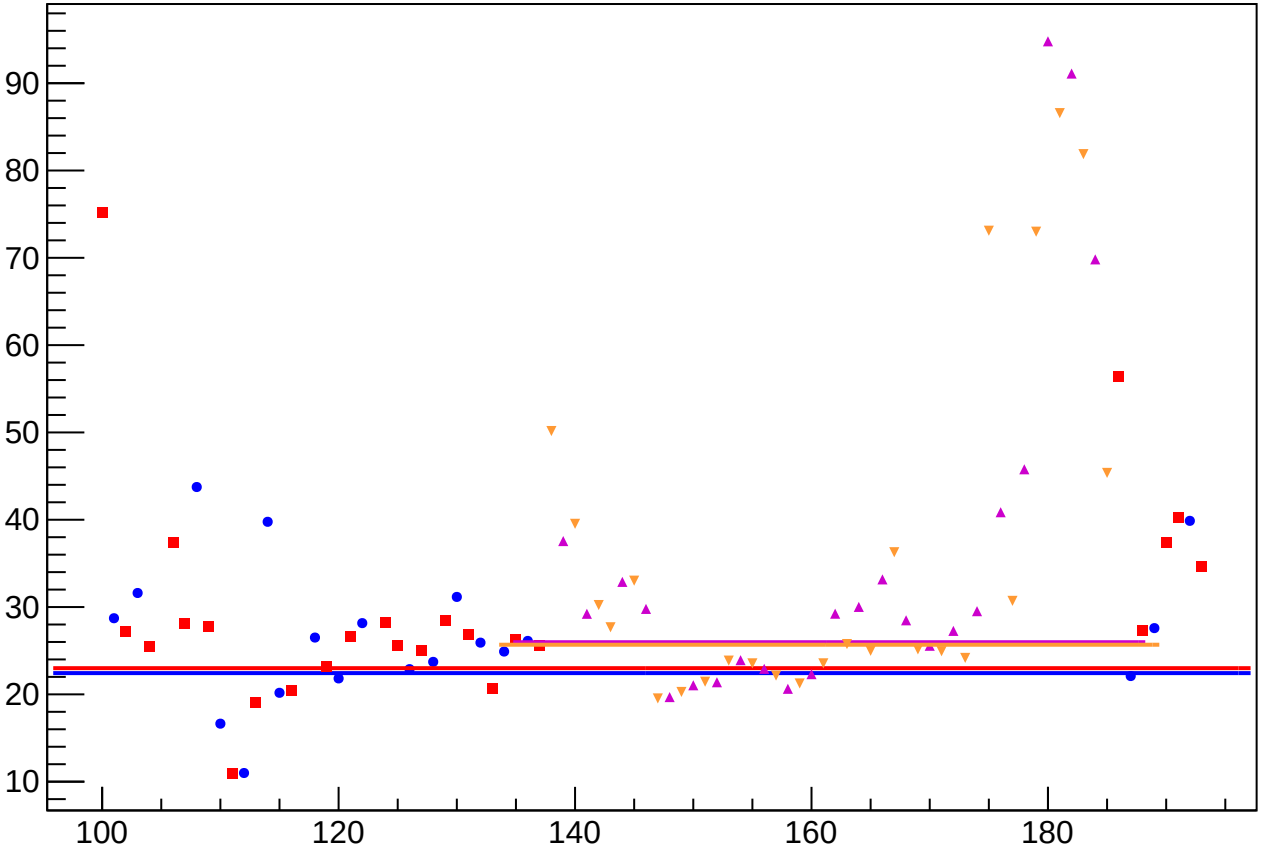
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 47.9/43

All: -0.001+/-0.004 χ^2/NDF: 106.3/90

- sign -0.004+/-0.005 χ^2/NDF: 57.7/46

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

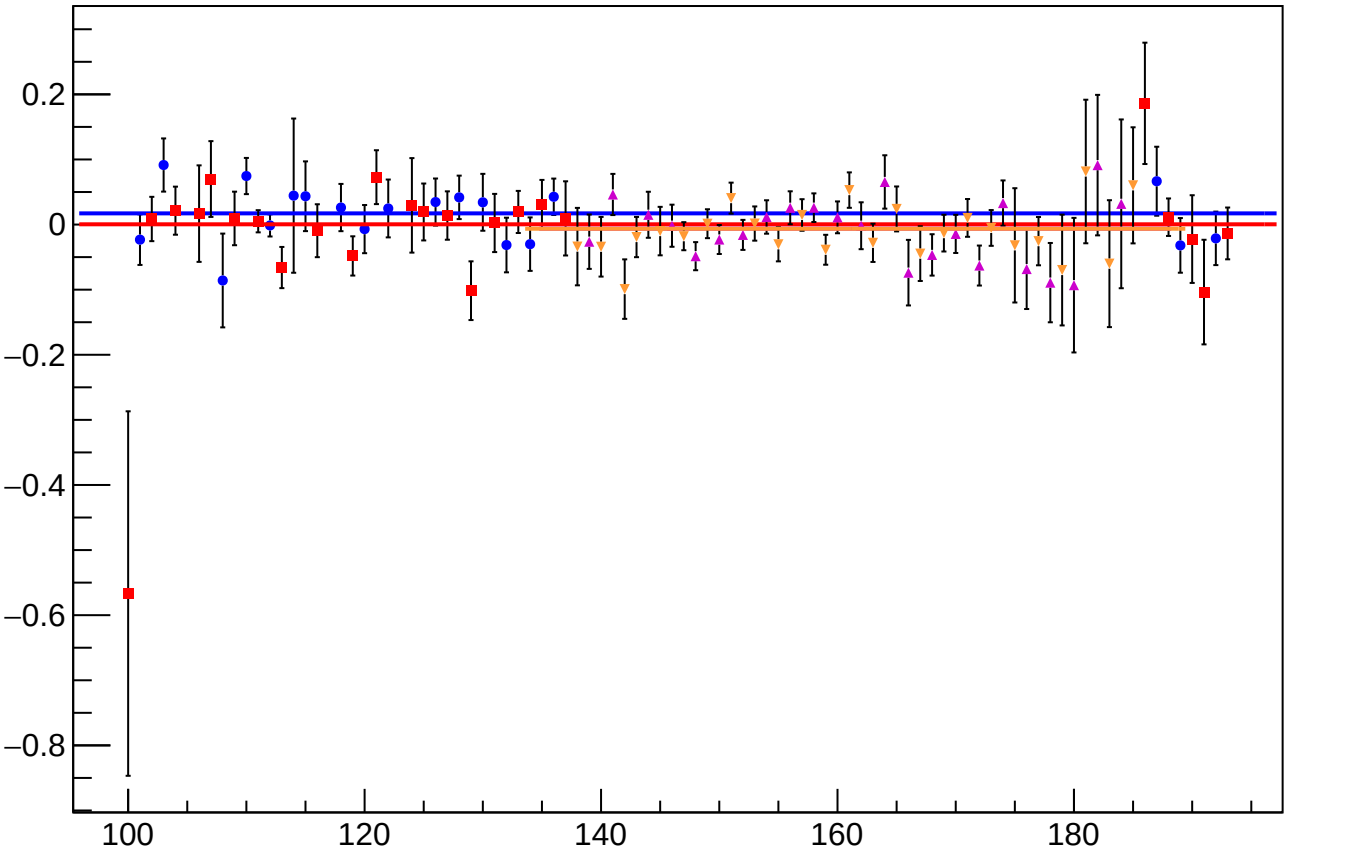
Right Out: 22.999+/-0.006 χ^2/NDF: 2040687.6/23

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.461+/-0.004 χ^2/NDF: 6023891.1/43

All: 24.599+/-0.003 χ^2/NDF: 11352923.6/90

- sign 24.738+/-0.004 χ^2/NDF: 5326017.7/46



Right In: 0.017+/-0.008 χ^2/NDF: 20.2/18

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

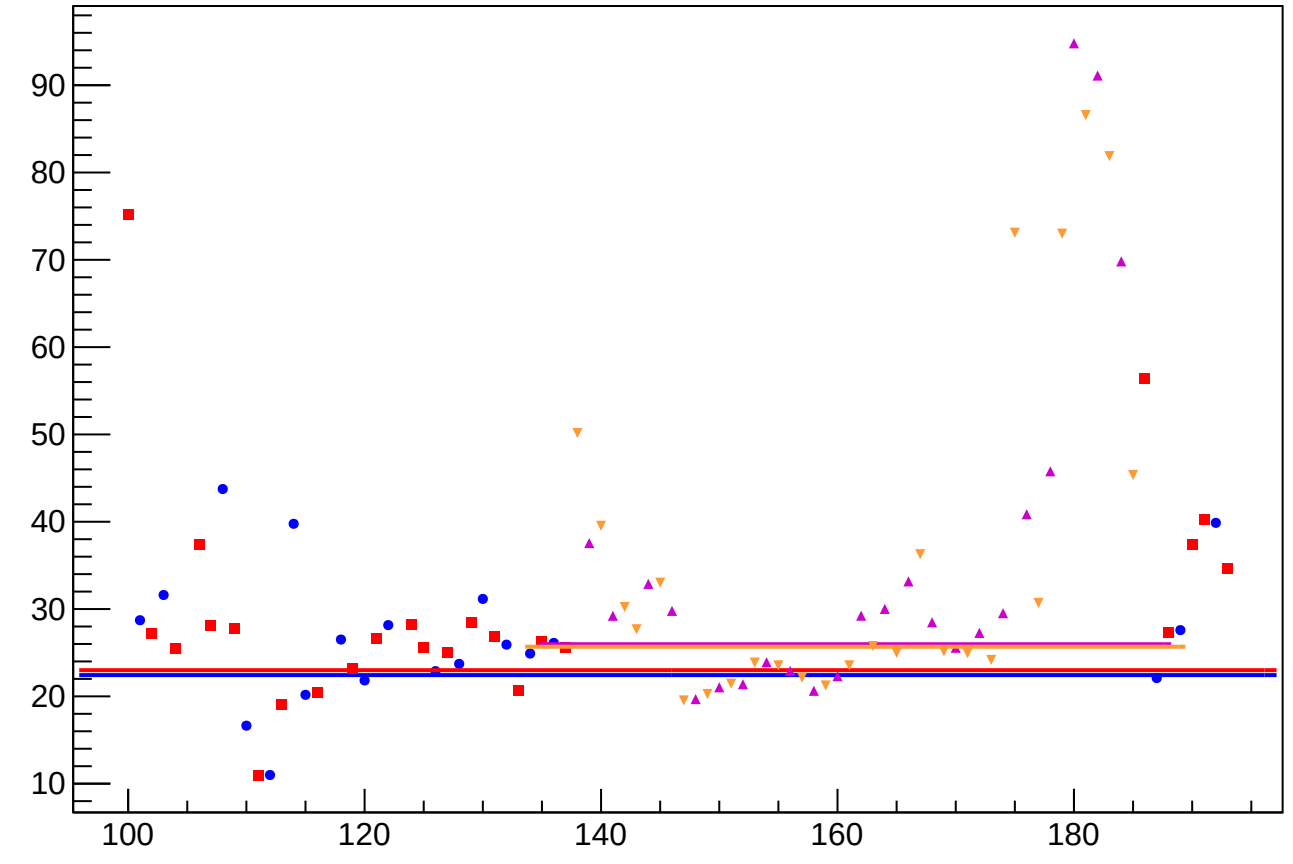
Right Out: 0.000+/-0.008 χ^2/NDF: 28.9/23

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 47.9/43

All: -0.001+/-0.004 χ^2/NDF: 106.3/90

- sign -0.004+/-0.005 χ^2/NDF: 57.7/46



Right In: 22.434+/-0.006 χ^2/NDF: 1957691.0/18

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

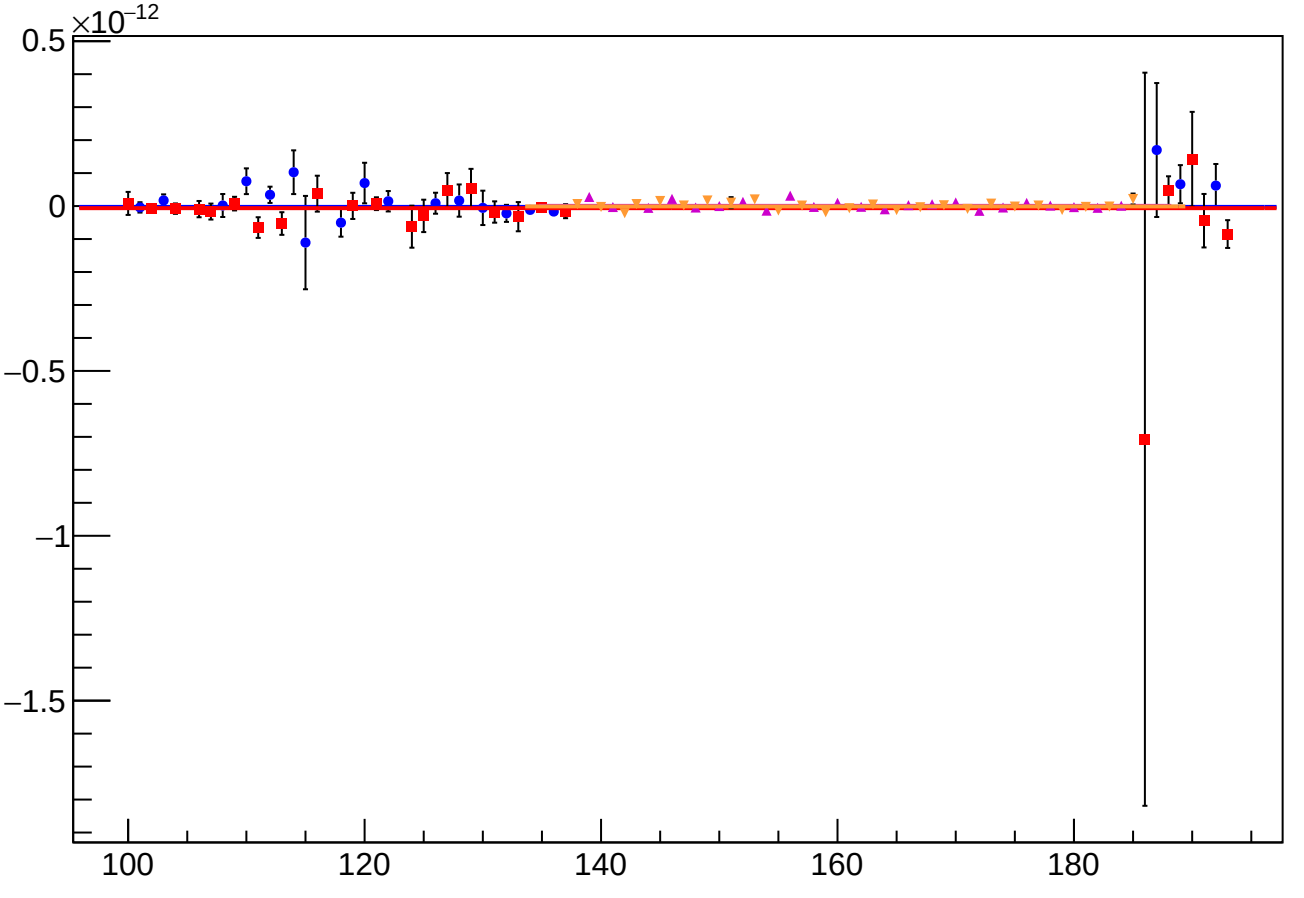
Right Out: 22.999+/-0.006 χ^2/NDF: 2040687.6/23

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.461+/-0.004 χ^2/NDF: 6023891.1/43

All: 24.599+/-0.003 χ^2/NDF: 11352923.6/90

- sign 24.738+/-0.004 χ^2/NDF: 5326017.7/46



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/23

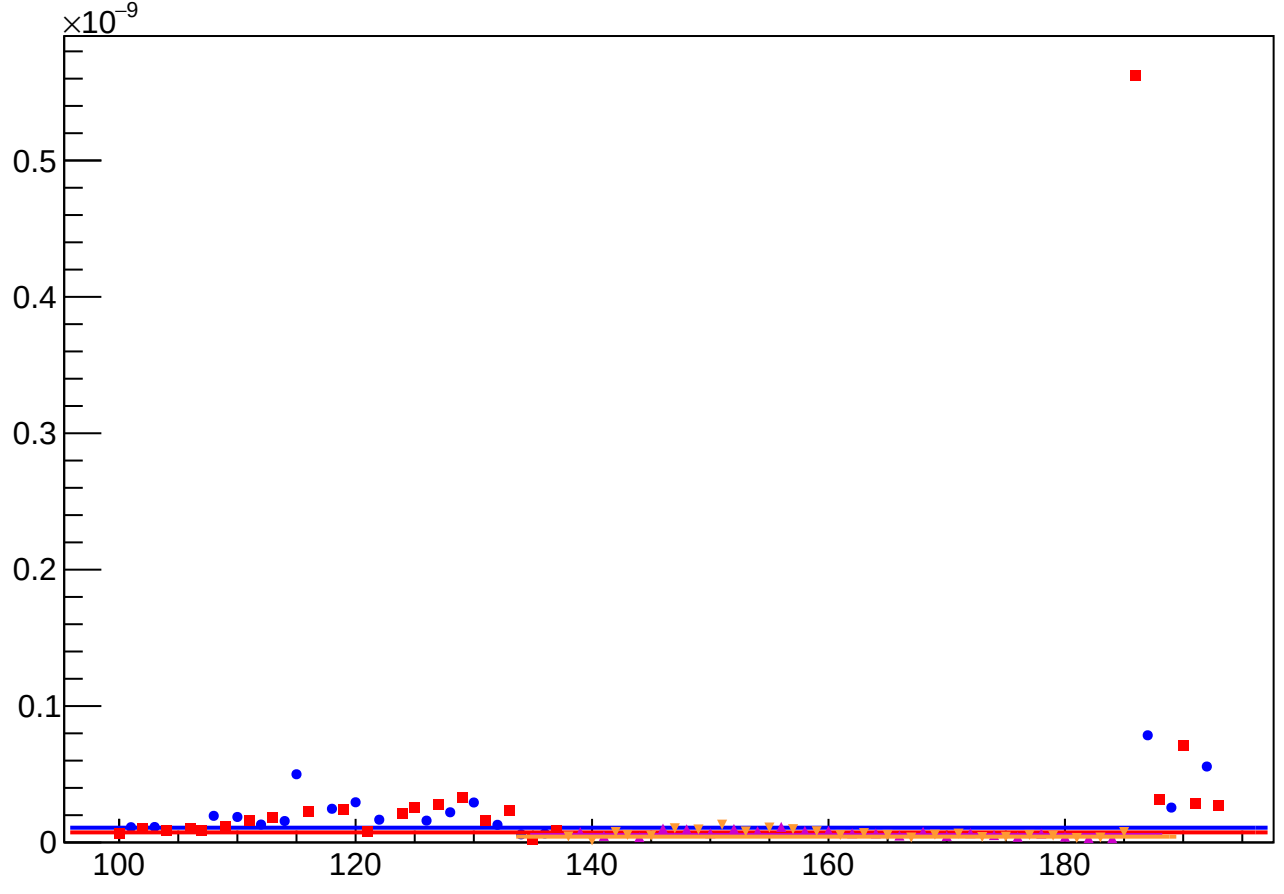
Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.2/43

All: -0.000+/-0.000 χ^2/NDF: 99.1/90

- sign -0.000+/-0.000 χ^2/NDF: 49.7/46

asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug



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: 6103491.4/23

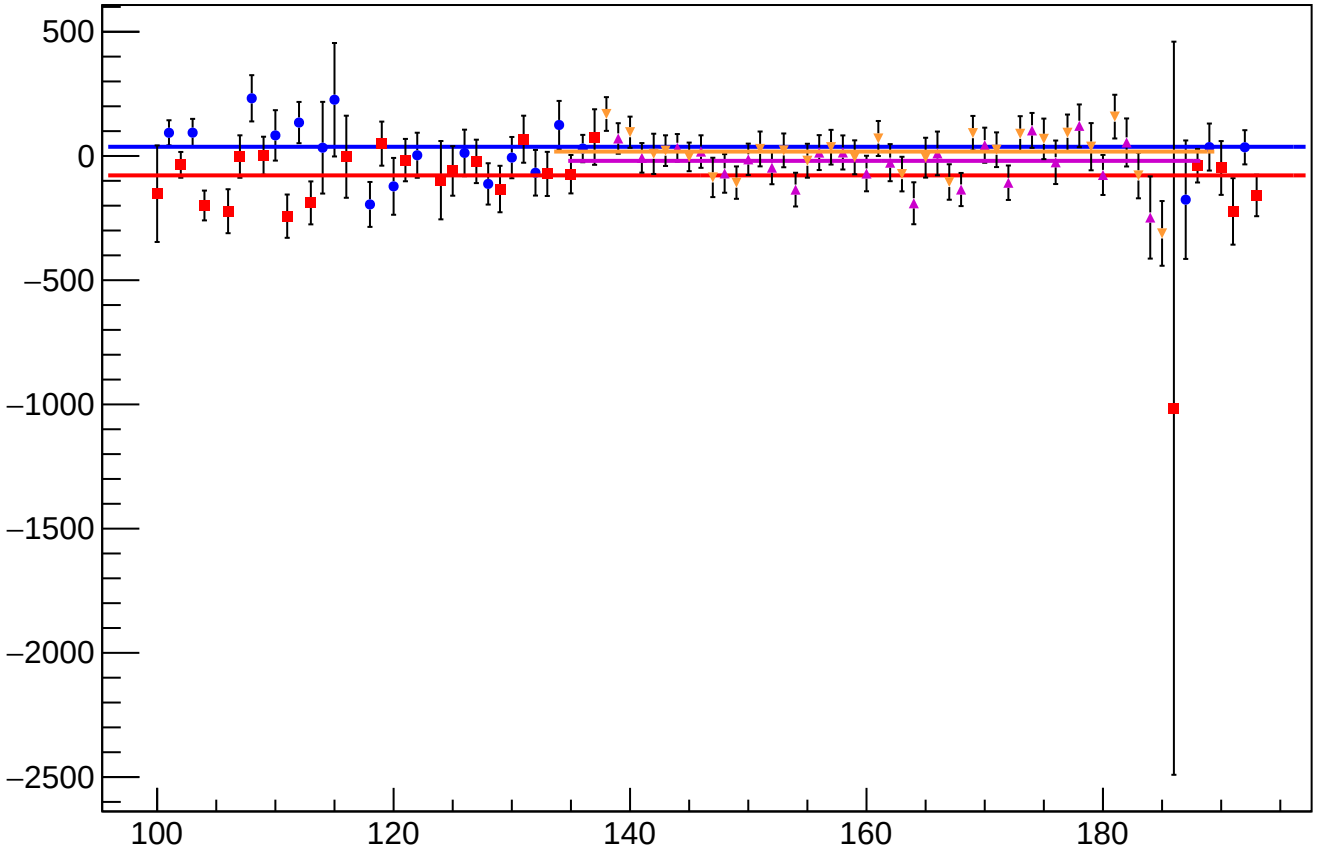
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11375145.4/43

All: 0.000+/-0.000 χ^2/NDF: 21158728.5/90

- sign 0.000+/-0.000 χ^2/NDF: 9265344.9/46

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: -78.117+/-18.089 χ^2/NDF: 25.4/23

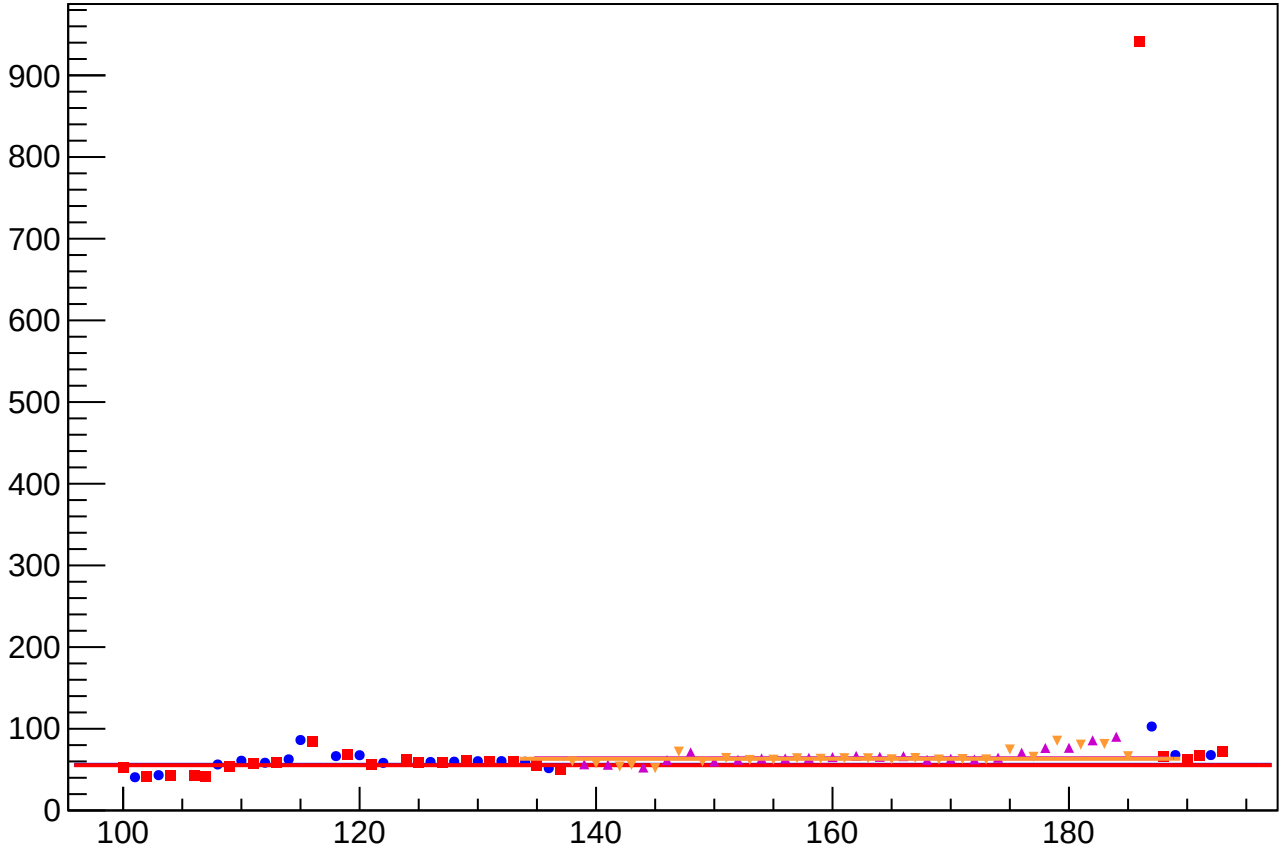
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.814+/-11.547 χ^2/NDF: 56.3/43

All: -9.312+/-8.171 χ^2/NDF: 131.6/90

- sign -43.543+/-11.565 χ^2/NDF: 57.8/46

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: 55.400+/-0.013 χ^2/NDF: 1334918.0/23

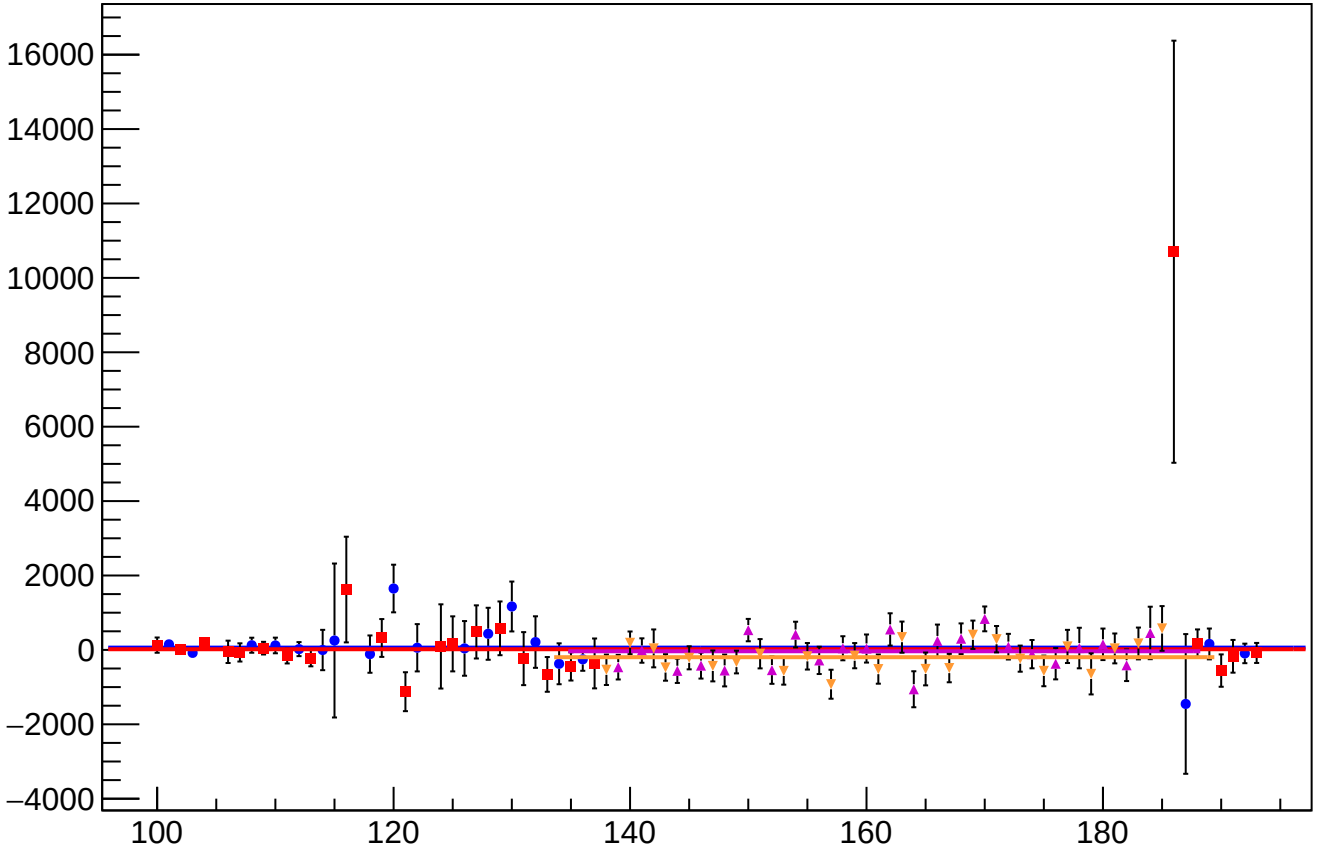
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.590+/-0.008 χ^2/NDF: 1271341.0/43

All: 60.513+/-0.006 χ^2/NDF: 3313986.5/90

- sign 60.436+/-0.008 χ^2/NDF: 2042469.3/46

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: 18.100+/-48.392 χ^2/NDF: 23.8/23

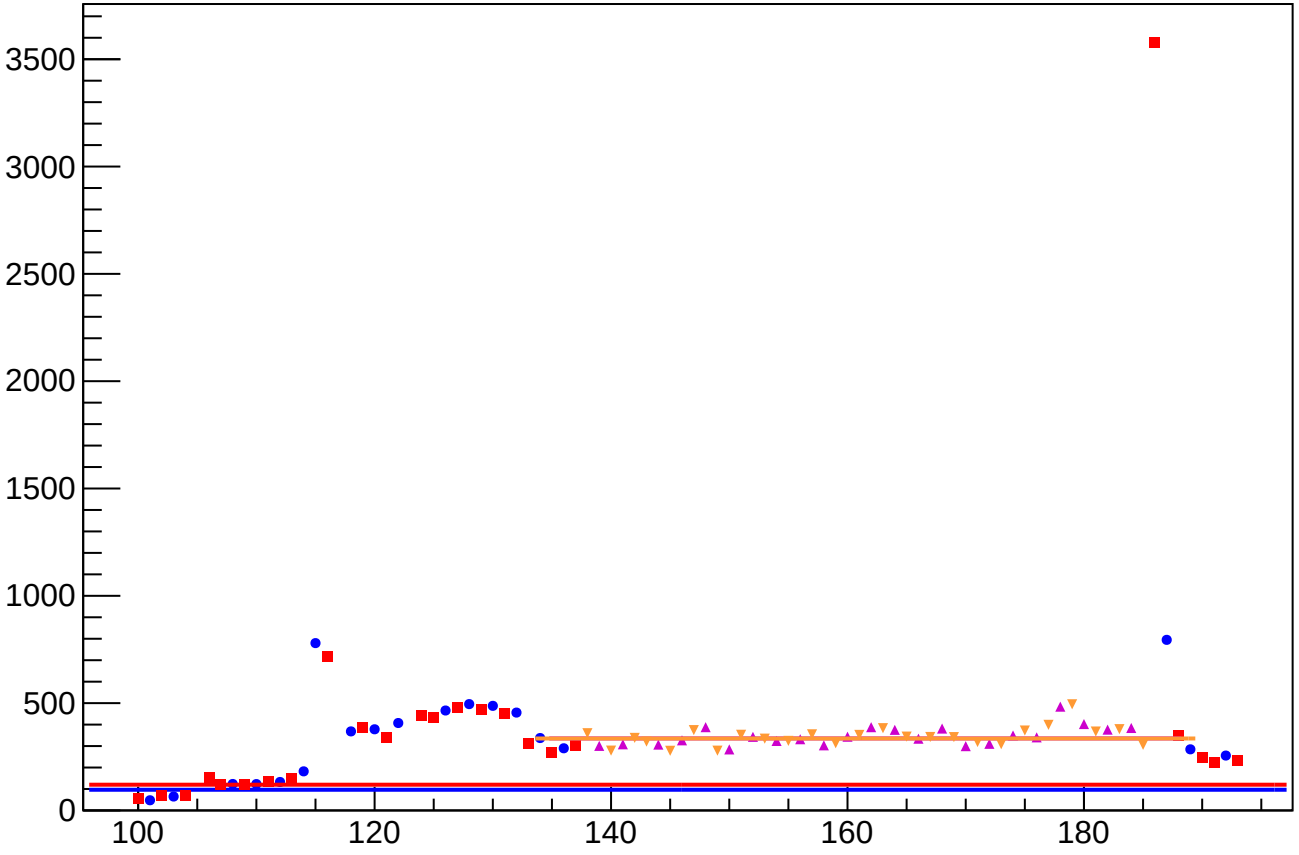
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -5.131+/-39.169 χ^2/NDF: 45.6/43

All: -1.146+/-28.419 χ^2/NDF: 100.9/90

- sign 3.283+/-41.295 χ^2/NDF: 55.3/46

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: 119.971+/-0.034 χ^2/NDF: 7623708.6/23

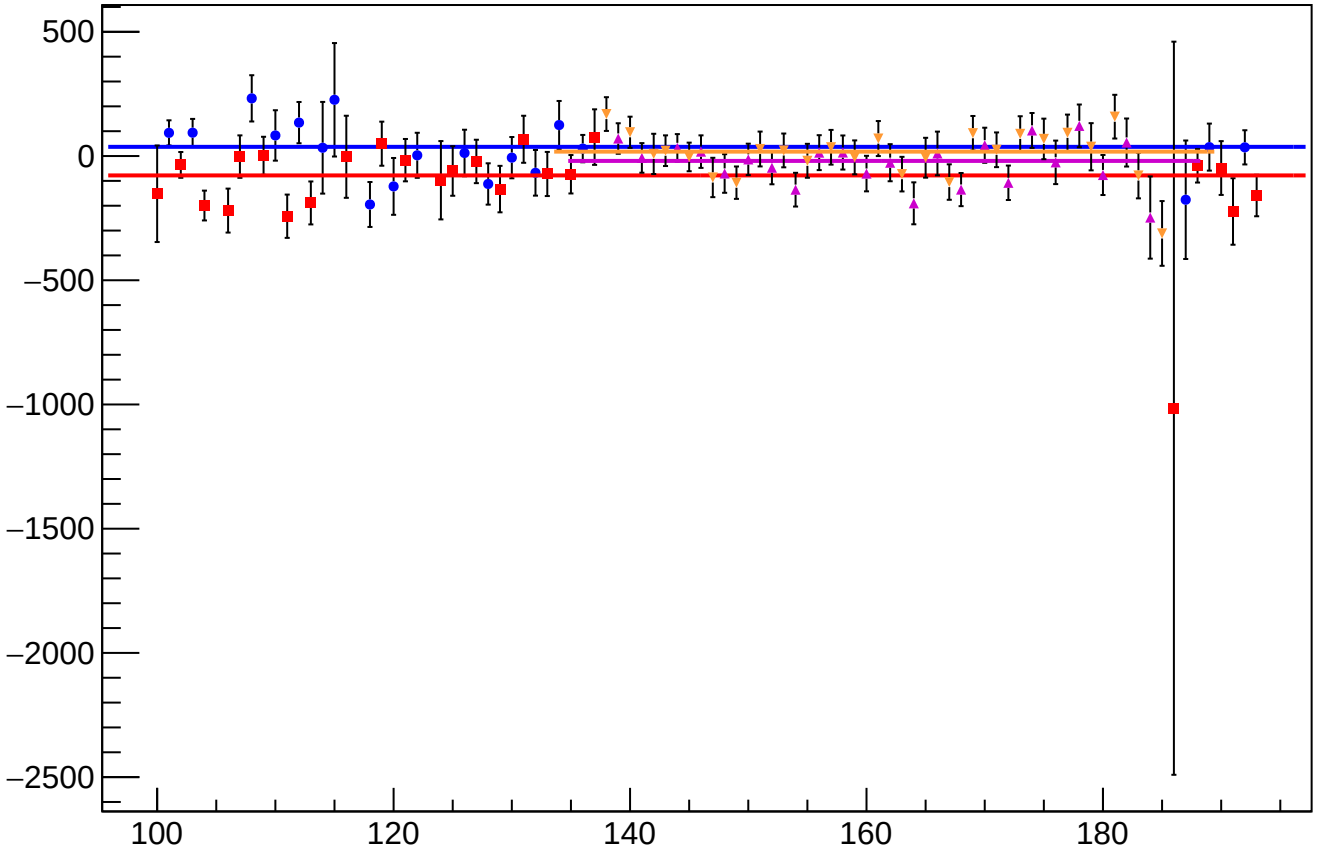
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 158.105+/-0.028 χ^2/NDF: 22934217.5/43

All: 167.791+/-0.020 χ^2/NDF: 42096873.6/90

- sign 178.558+/-0.029 χ^2/NDF: 18904389.4/46

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: -78.004+/-18.090 χ^2/NDF: 25.3/23

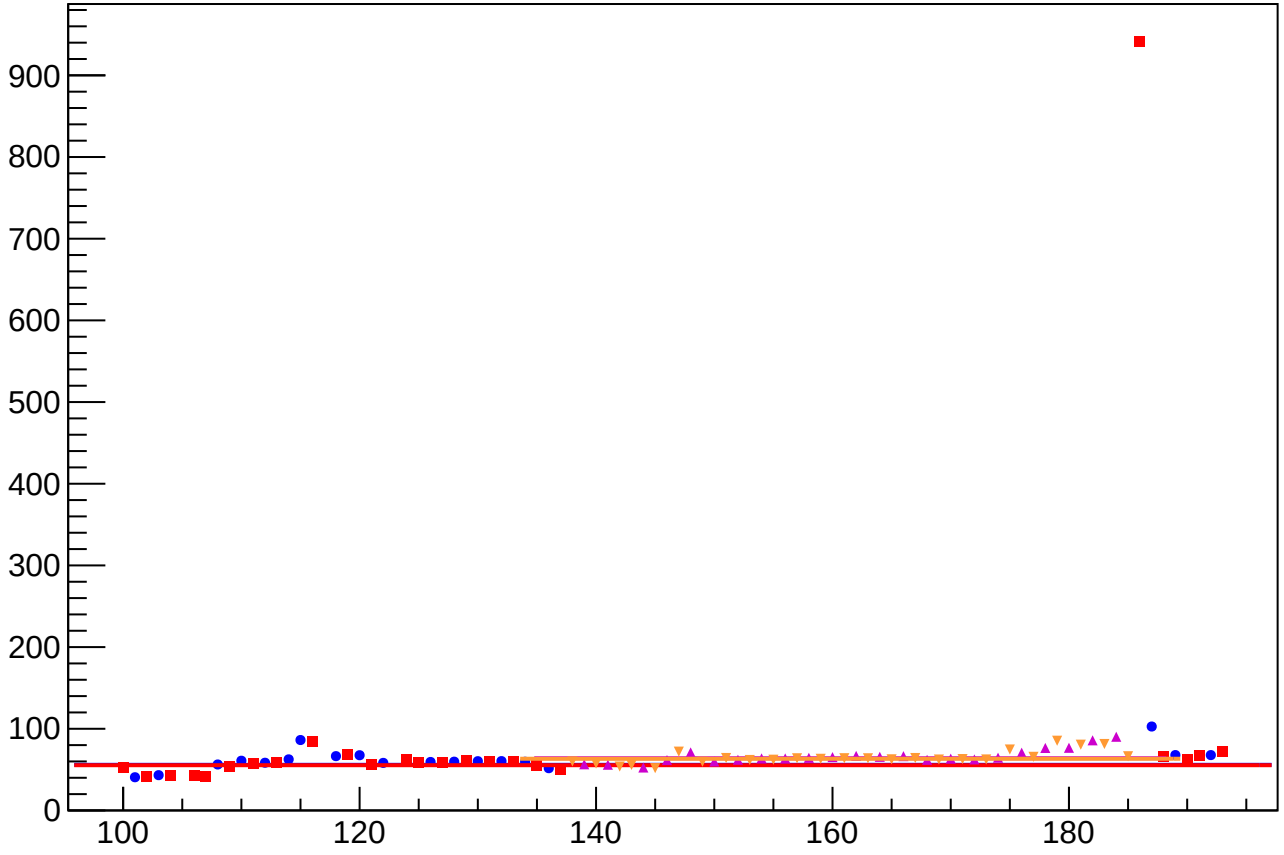
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.820+/-11.547 χ^2/NDF: 56.3/43

All: -9.284+/-8.172 χ^2/NDF: 131.5/90

- sign -43.495+/-11.565 χ^2/NDF: 57.7/46

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: 55.398+/-0.013 χ^2/NDF: 1335278.5/23

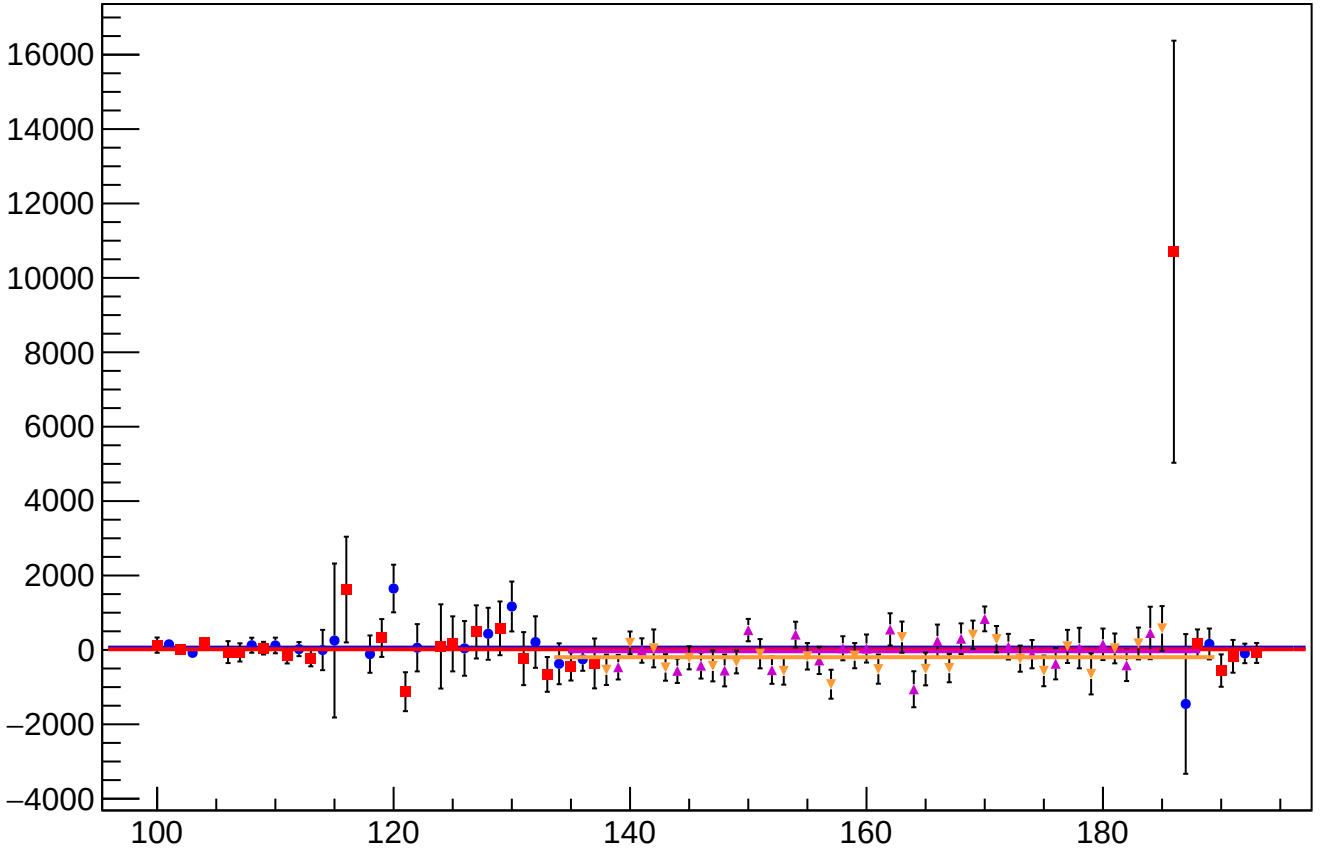
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.590+/-0.008 χ^2/NDF: 1271339.9/43

All: 60.513+/-0.006 χ^2/NDF: 3314425.9/90

- sign 60.436+/-0.008 χ^2/NDF: 2042908.7/46

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: 17.706+/-48.354 χ^2/NDF: 23.9/23

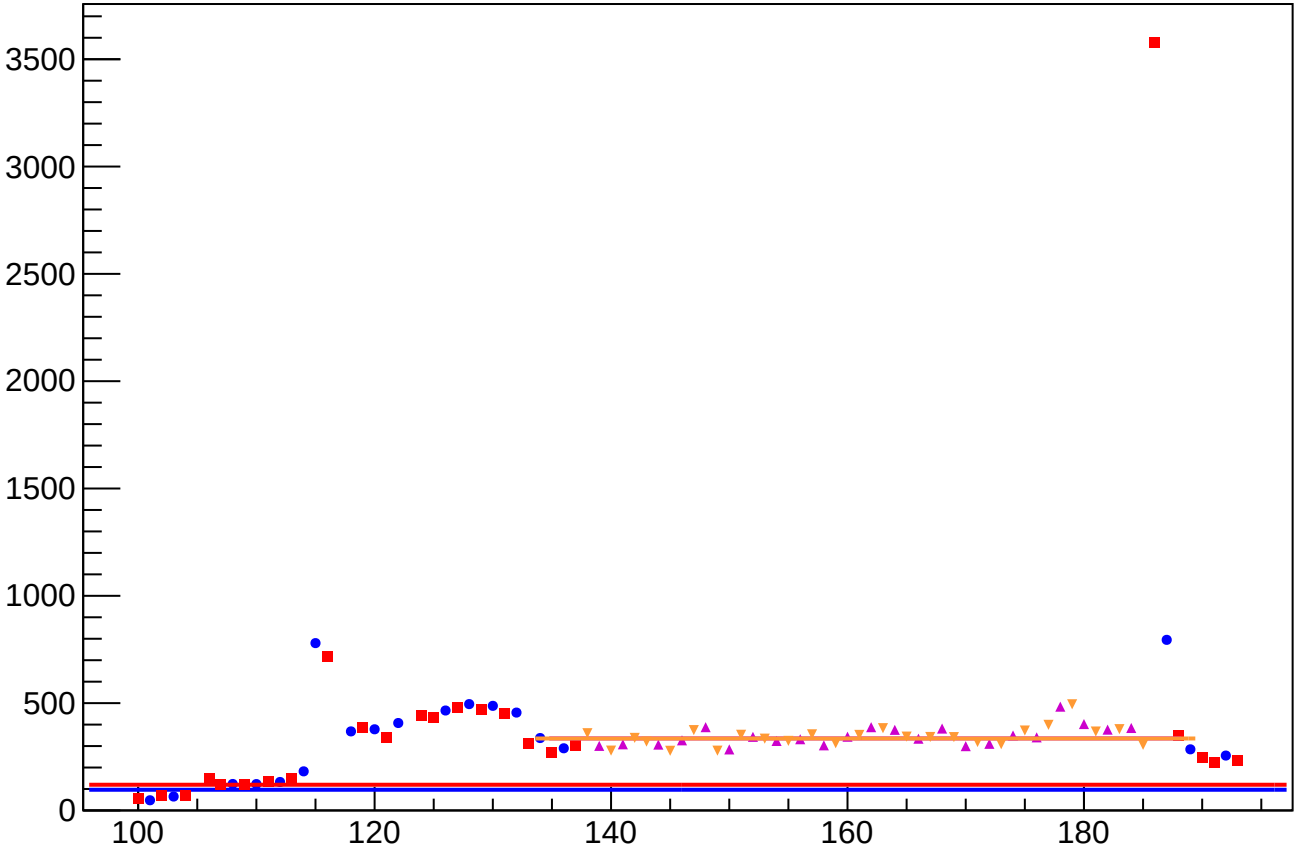
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -5.125+/-39.168 χ^2/NDF: 45.6/43

All: -1.269+/-28.411 χ^2/NDF: 100.9/90

- sign 3.013+/-41.271 χ^2/NDF: 55.3/46

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: 119.788+/-0.034 χ^2/NDF: 7619181.9/23

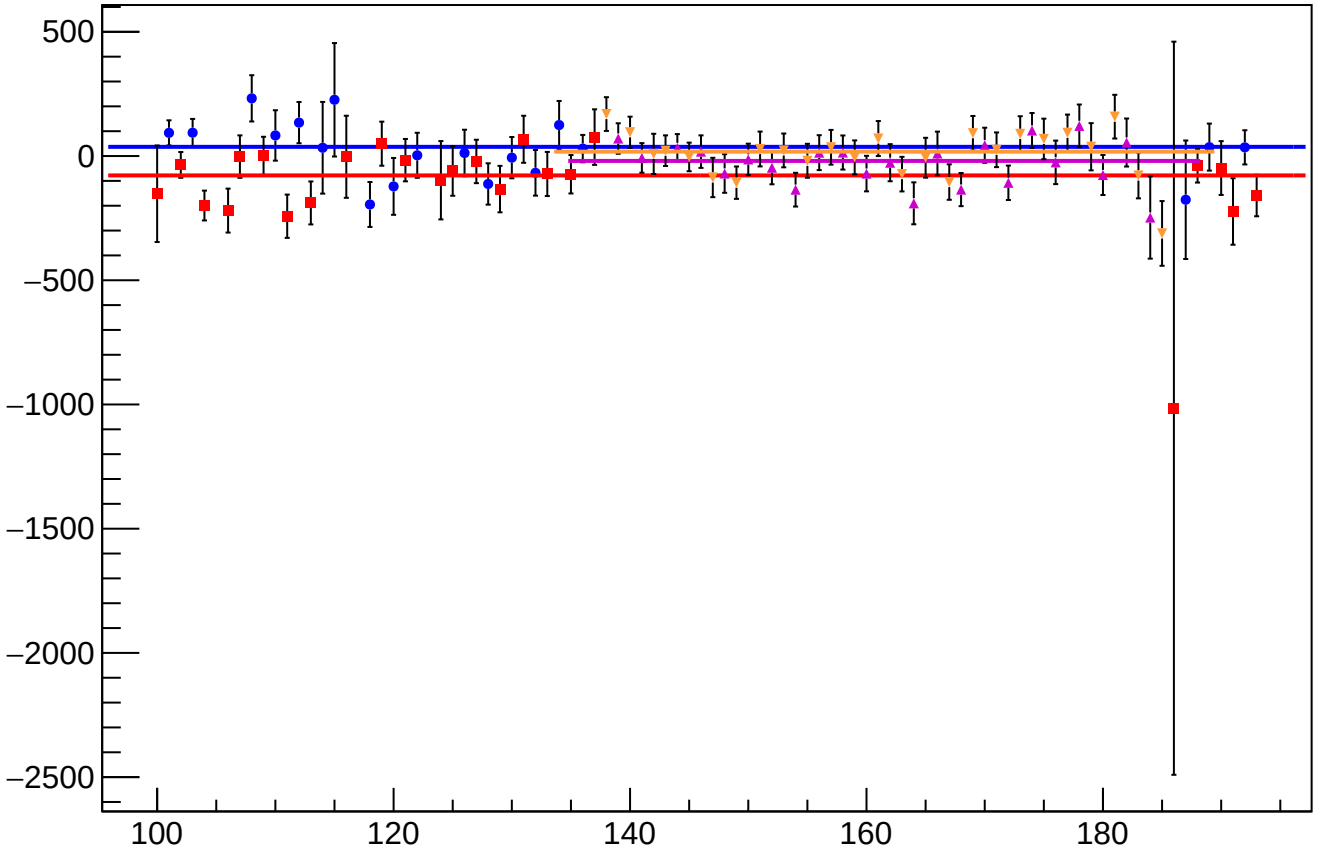
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 158.101+/-0.028 χ^2/NDF: 22934826.7/43

All: 167.700+/-0.020 χ^2/NDF: 42111163.8/90

- sign 178.357+/-0.029 χ^2/NDF: 18922865.2/46

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: -78.004+/-18.090 χ^2/NDF: 25.3/23

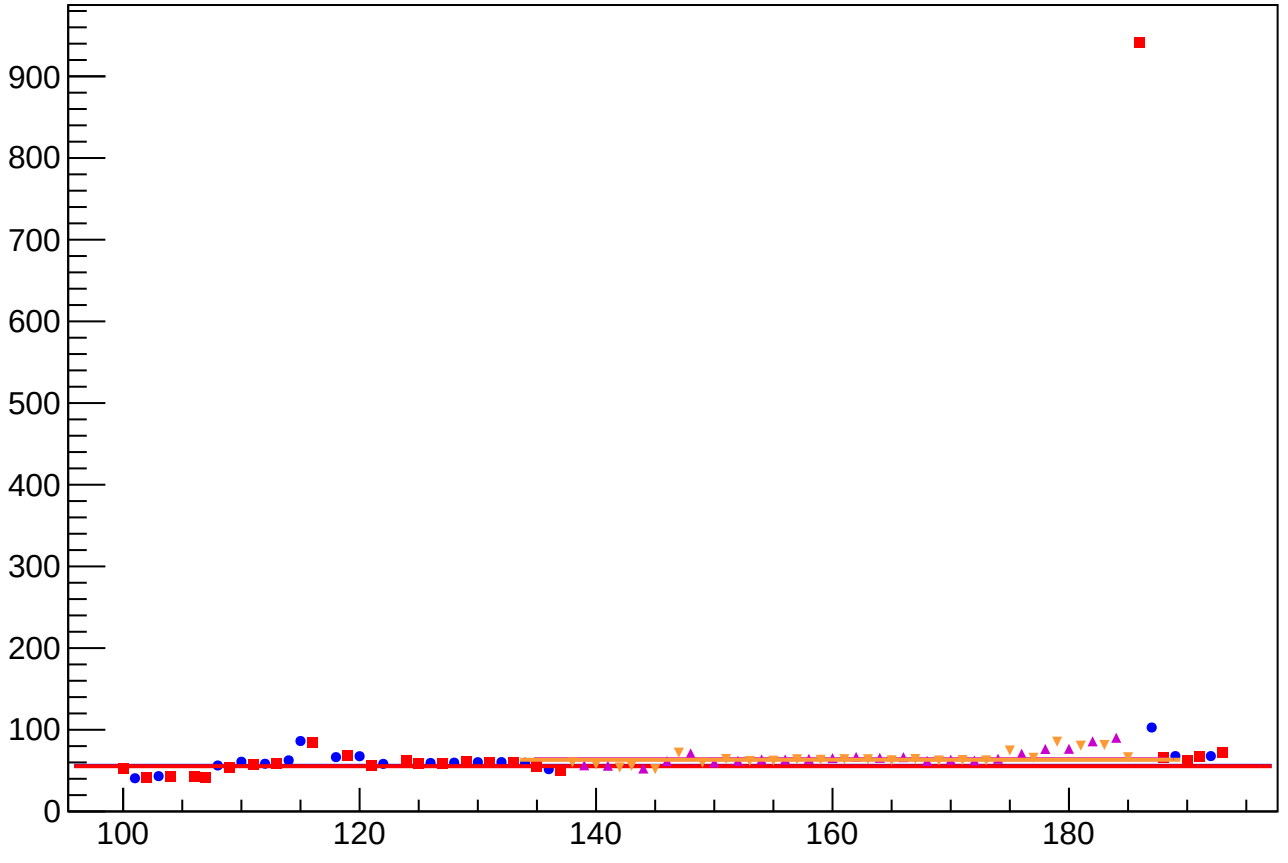
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.820+/-11.547 χ^2/NDF: 56.3/43

All: -9.284+/-8.172 χ^2/NDF: 131.5/90

- sign -43.495+/-11.565 χ^2/NDF: 57.7/46

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: 55.398+/-0.013 χ^2/NDF: 1335278.5/23

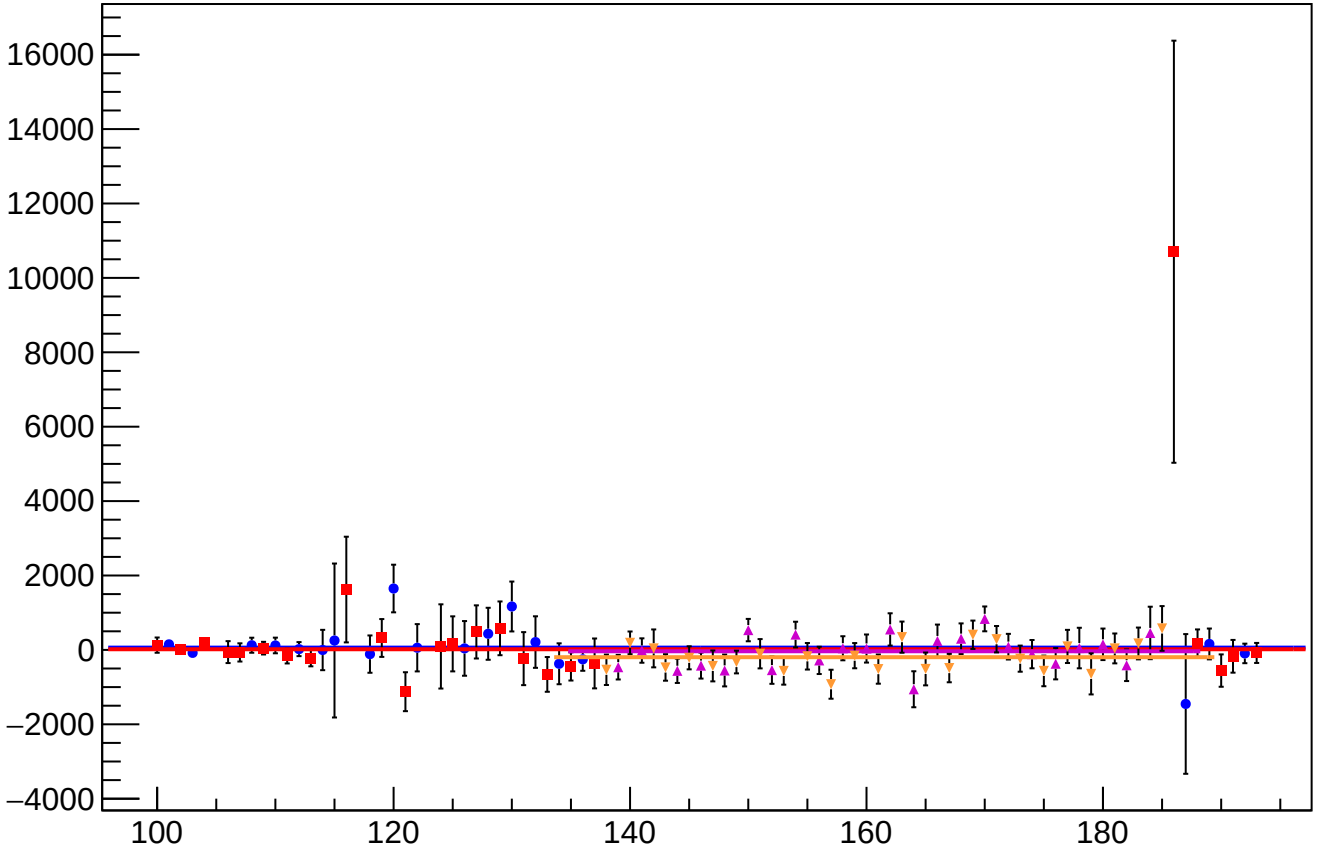
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.590+/-0.008 χ^2/NDF: 1271339.9/43

All: 60.513+/-0.006 χ^2/NDF: 3314425.9/90

- sign 60.436+/-0.008 χ^2/NDF: 2042908.7/46

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: 17.706+/-48.354 χ^2/NDF: 23.9/23

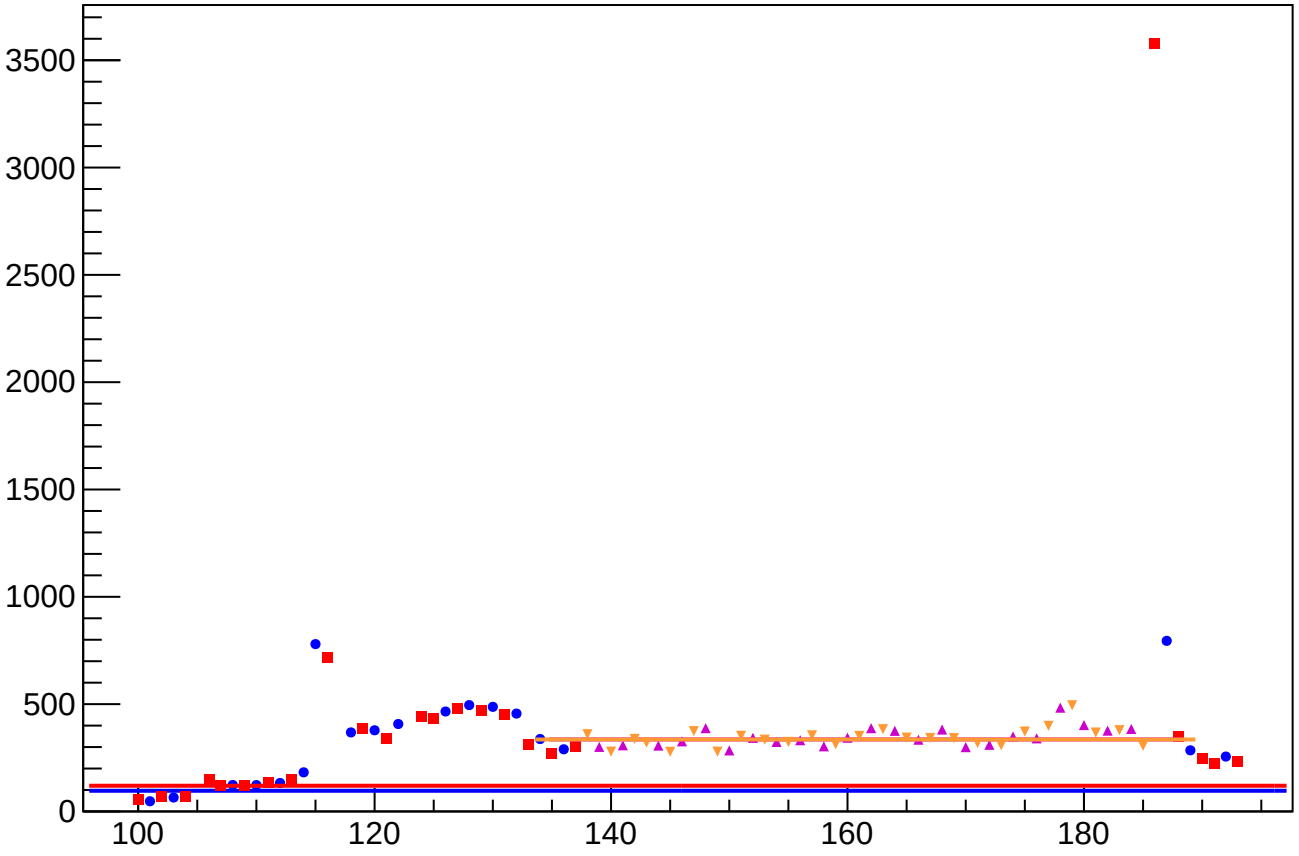
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -5.125+/-39.168 χ^2/NDF: 45.6/43

All: -1.269+/-28.411 χ^2/NDF: 100.9/90

- sign 3.013+/-41.271 χ^2/NDF: 55.3/46

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: 119.788+/-0.034 χ^2/NDF: 7619181.9/23

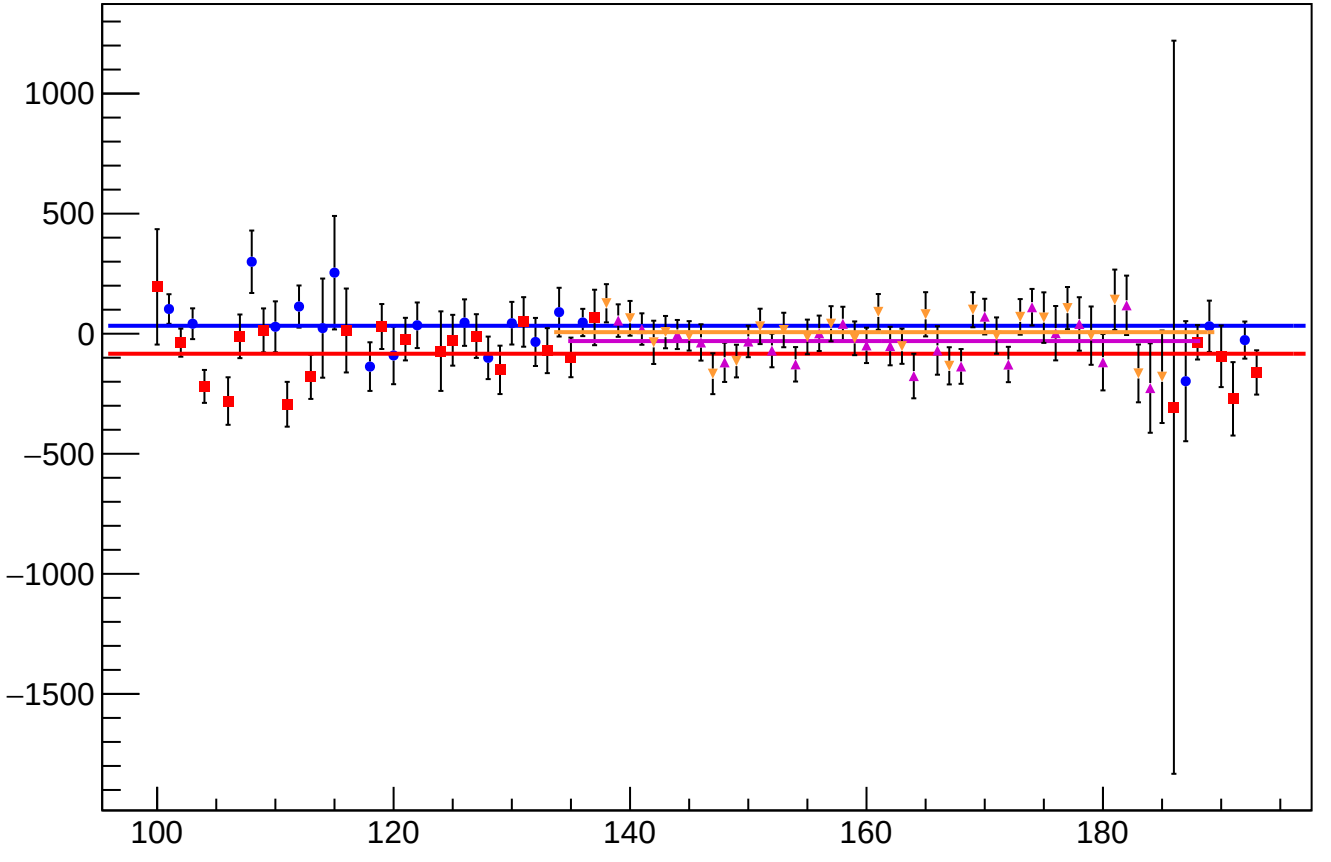
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 158.101+/-0.028 χ^2/NDF: 22934826.7/43

All: 167.700+/-0.020 χ^2/NDF: 42111163.8/90

- sign 178.357+/-0.029 χ^2/NDF: 18922865.2/46

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: -83.419+/-19.749 χ^2/NDF: 27.5/23

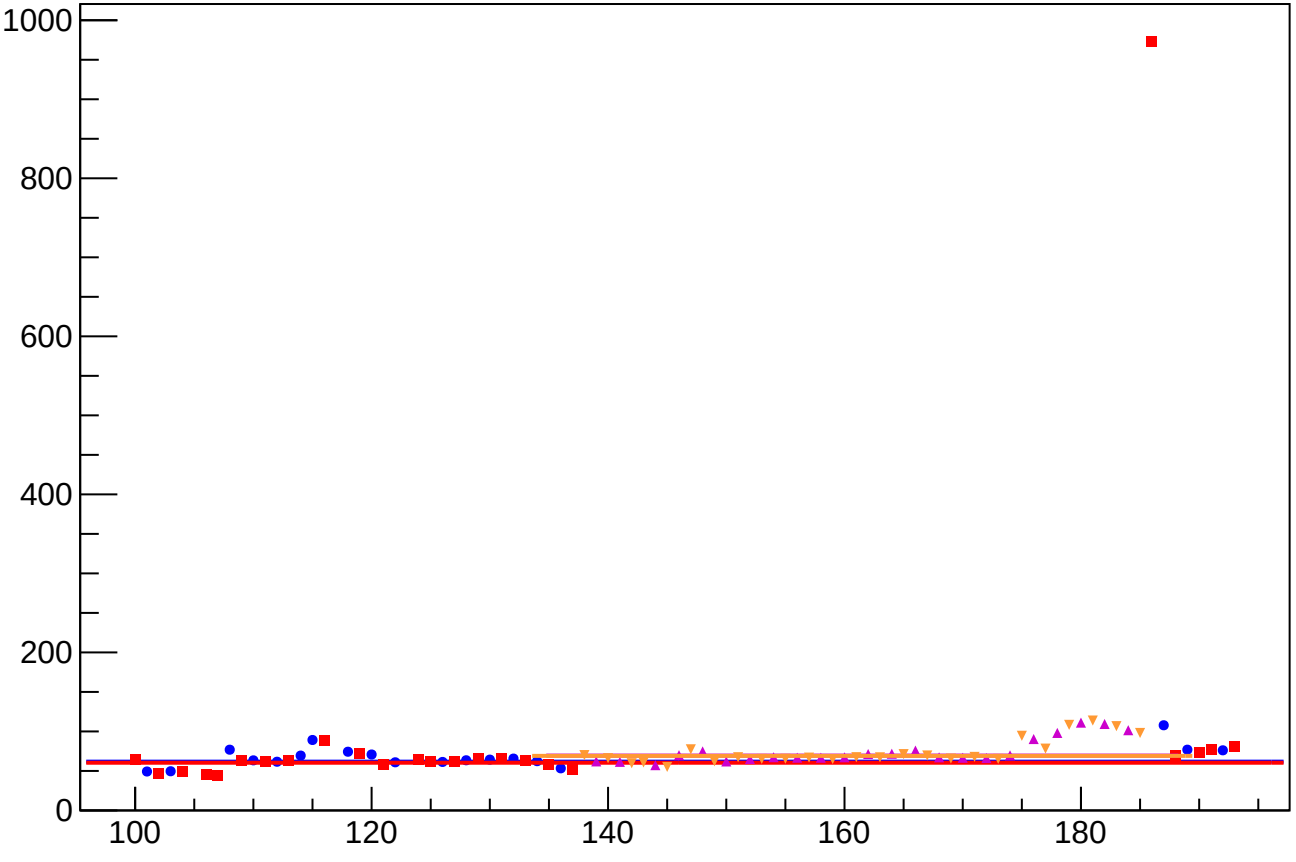
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 16.135+/-12.740 χ^2/NDF: 41.7/43

All: -18.315+/-8.981 χ^2/NDF: 110.5/90

- sign -52.354+/-12.664 χ^2/NDF: 54.2/46

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: 60.404+/-0.014 χ^2/NDF: 1270595.8/23

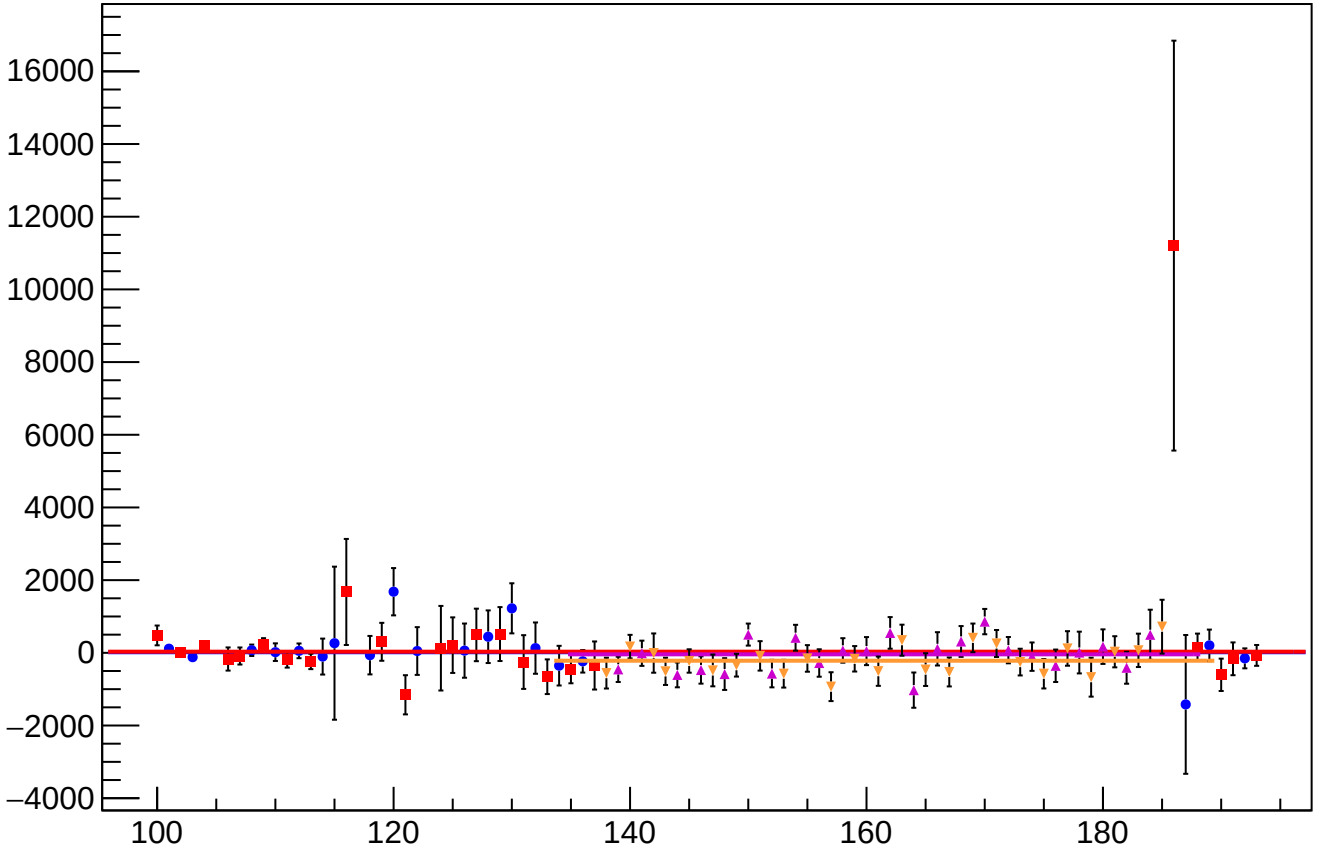
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 66.417+/-0.009 χ^2/NDF: 1706583.8/43

All: 66.068+/-0.006 χ^2/NDF: 4151130.7/90

- sign 65.722+/-0.009 χ^2/NDF: 2441551.9/46

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: 31.434+/-51.130 χ^2/NDF: 28.0/23

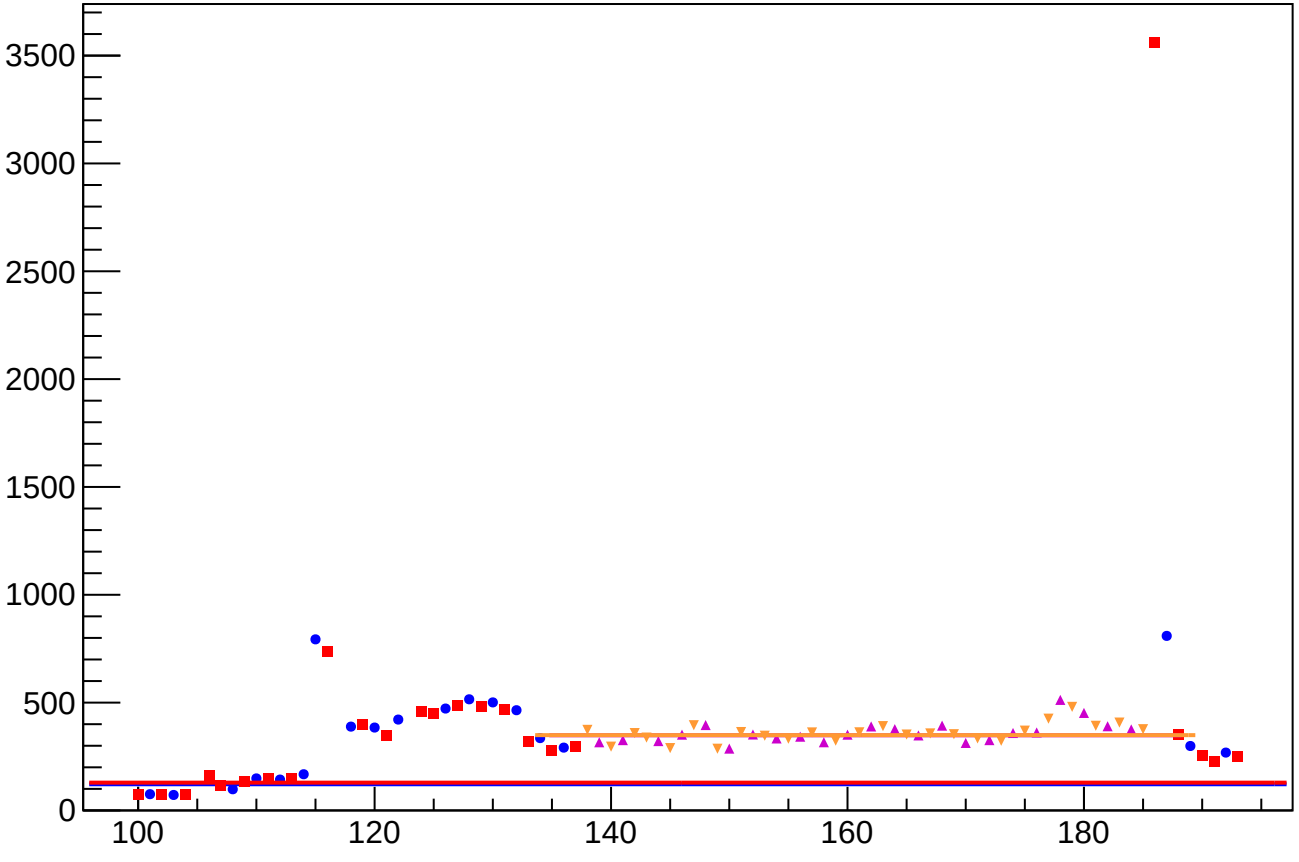
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -53.387+/-43.734 χ^2/NDF: 41.0/43

All: -20.912+/-30.815 χ^2/NDF: 100.6/90

- sign 11.105+/-43.424 χ^2/NDF: 58.5/46

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: 128.954+/-0.036 χ^2/NDF: 7323508.6/23

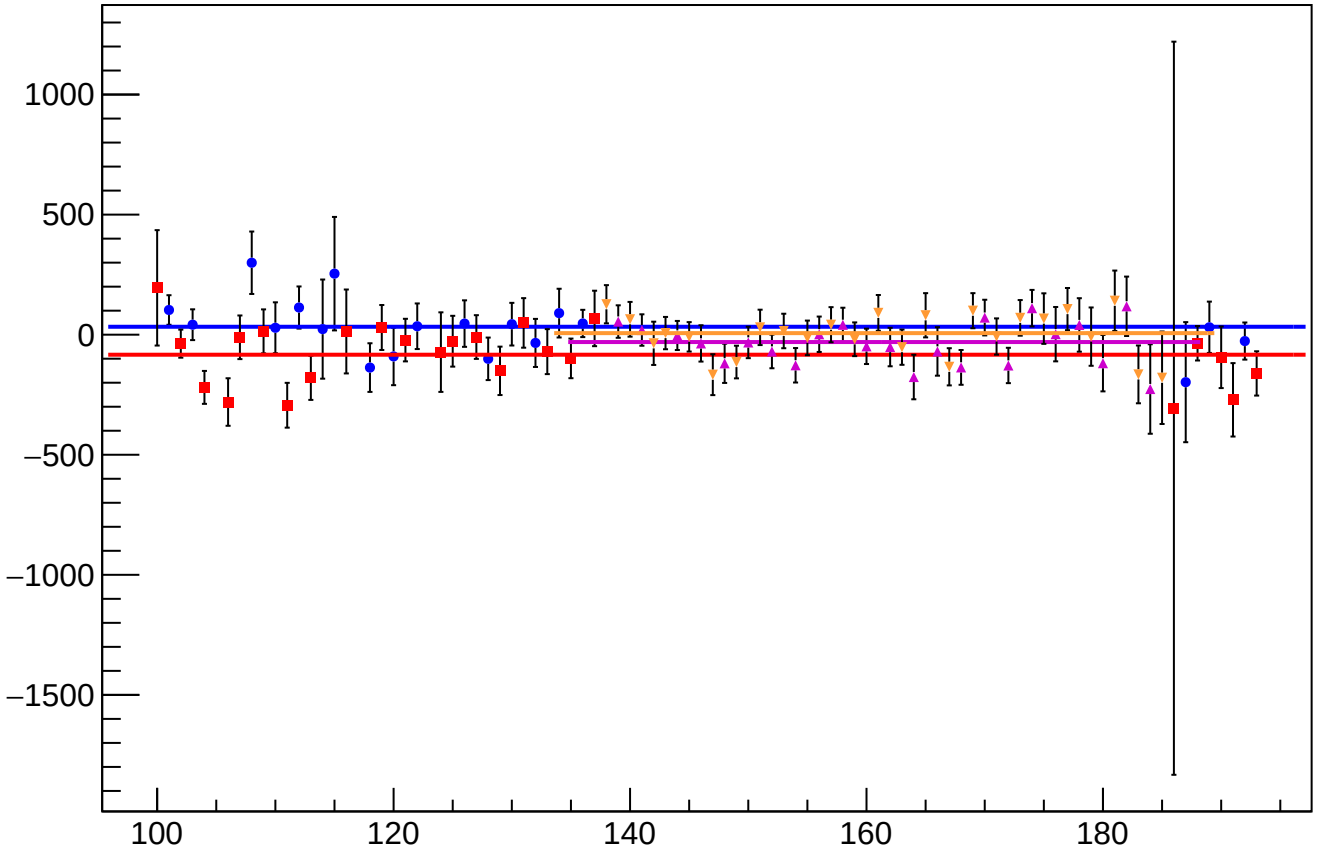
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 189.314+/-0.031 χ^2/NDF: 18678844.5/43

All: 189.738+/-0.022 χ^2/NDF: 36811033.2/90

- sign 190.157+/-0.031 χ^2/NDF: 18131814.8/46

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: -83.419+/-19.749 χ^2/NDF: 27.5/23

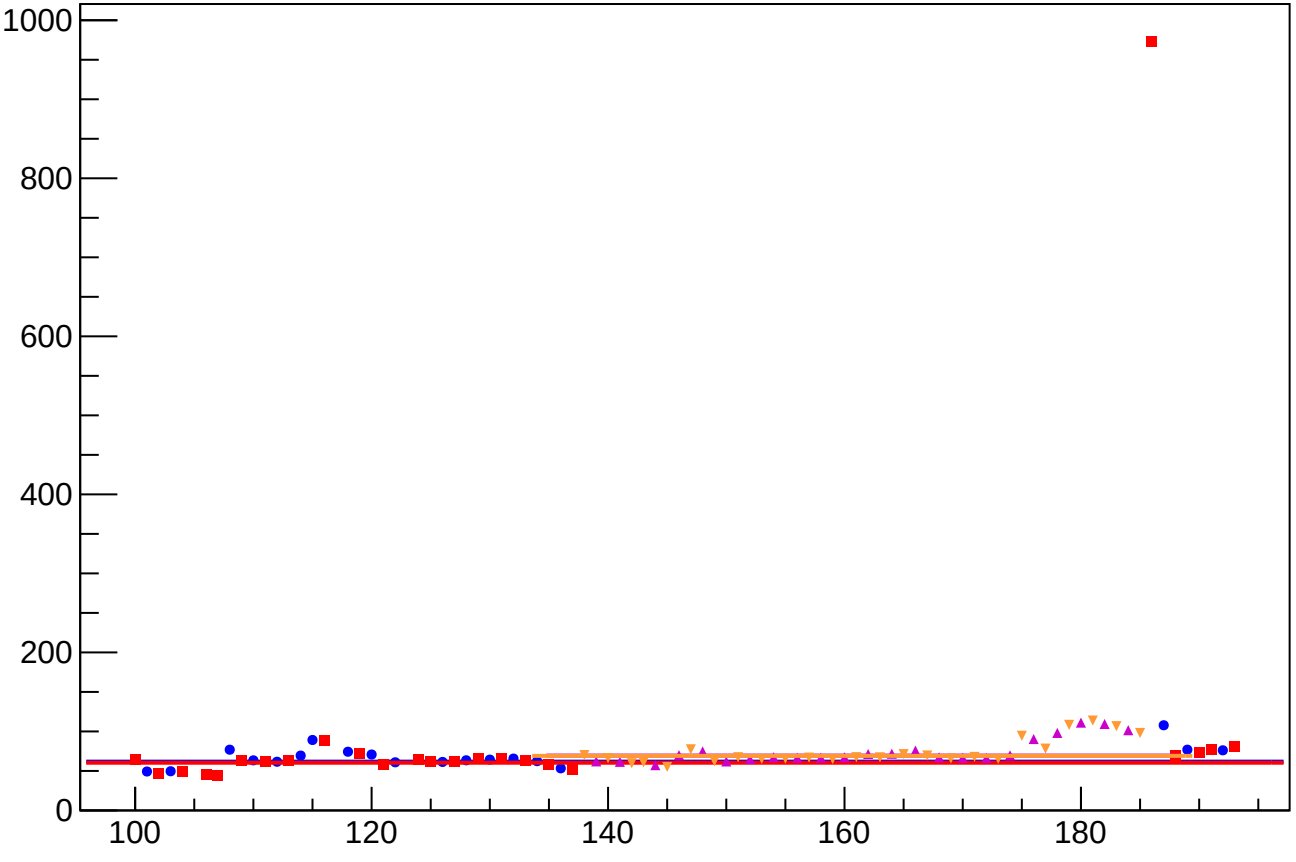
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 16.135+/-12.740 χ^2/NDF: 41.7/43

All: -18.315+/-8.981 χ^2/NDF: 110.5/90

- sign -52.354+/-12.664 χ^2/NDF: 54.2/46

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: 60.403+/-0.014 χ^2/NDF: 1270592.5/23

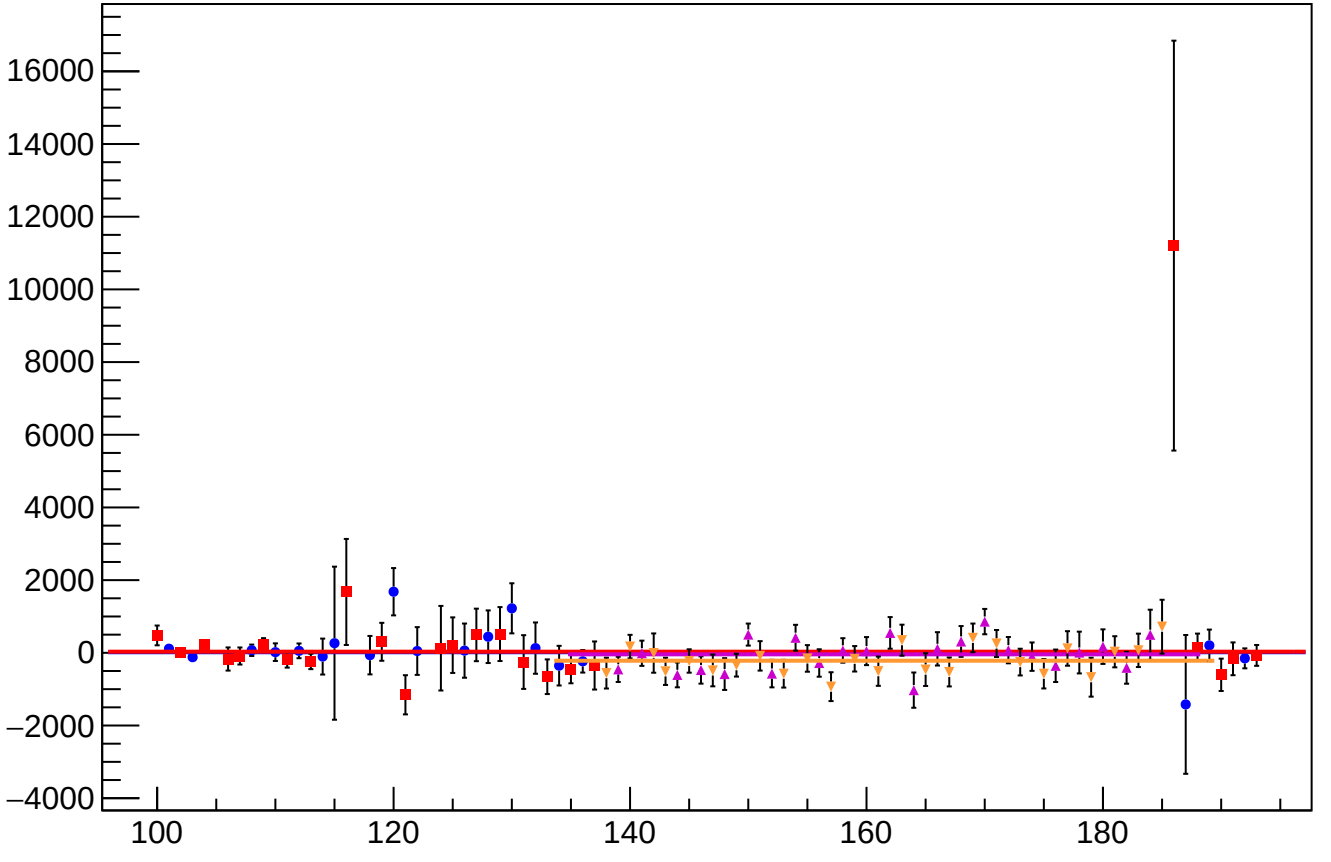
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 66.417+/-0.009 χ^2/NDF: 1706575.2/43

All: 66.068+/-0.006 χ^2/NDF: 4151114.9/90

- sign 65.722+/-0.009 χ^2/NDF: 2441544.8/46

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



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: 31.434+/-51.129 χ^2/NDF: 28.0/23

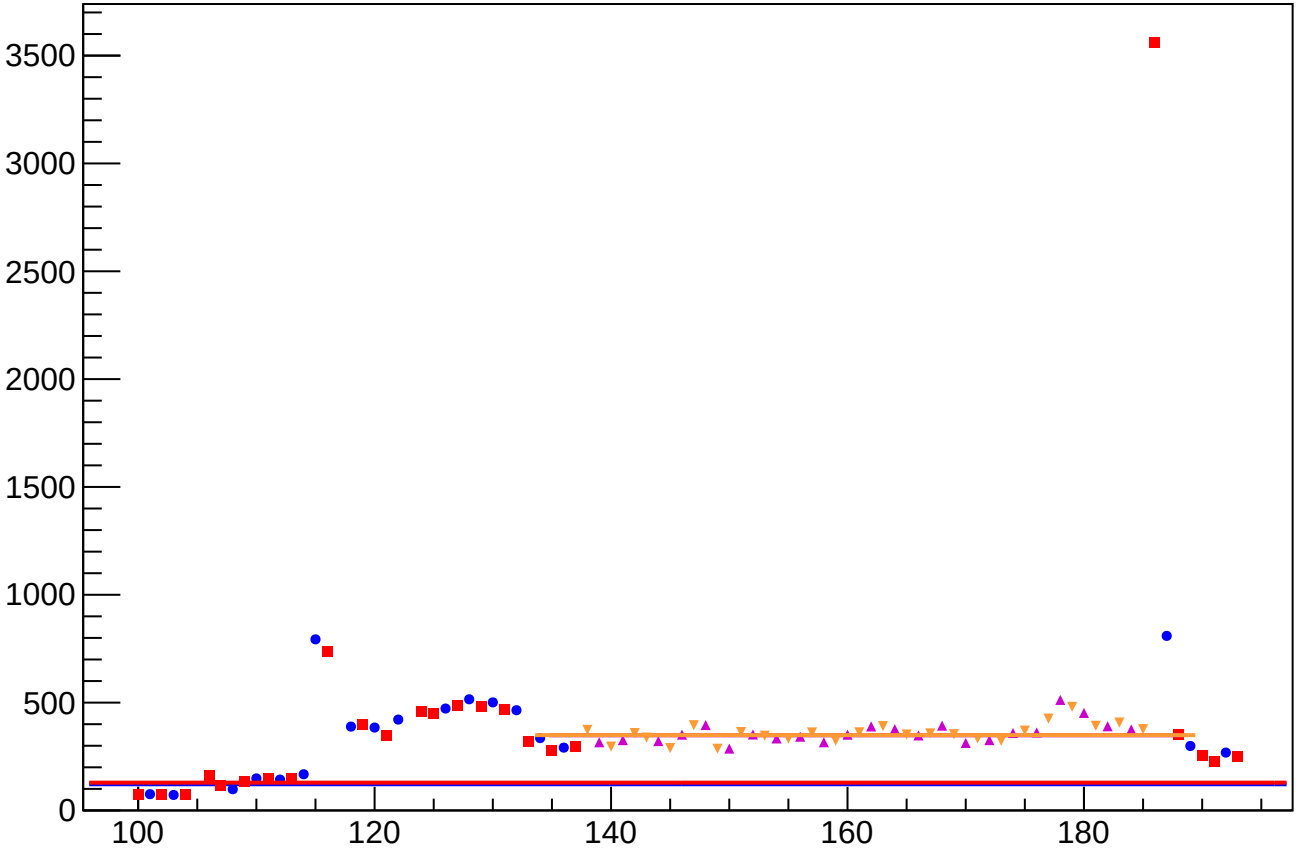
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -53.387+/-43.734 χ^2/NDF: 41.0/43

All: -20.912+/-30.815 χ^2/NDF: 100.6/90

- sign 11.105+/-43.424 χ^2/NDF: 58.5/46

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: 128.953+/-0.036 χ^2/NDF: 7323521.0/23

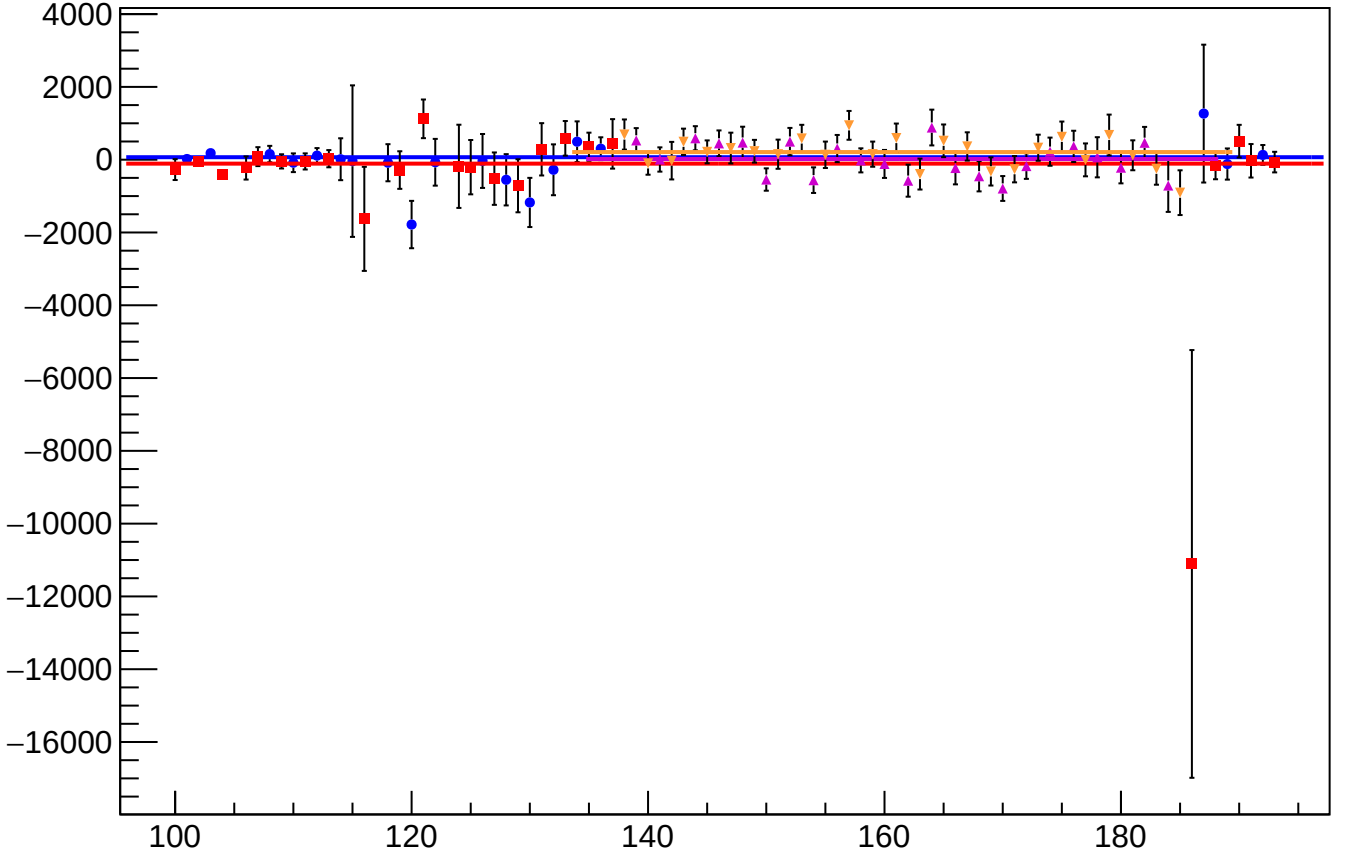
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 189.314+/-0.031 χ^2/NDF: 18678908.8/43

All: 189.738+/-0.022 χ^2/NDF: 36811185.9/90

- sign 190.156+/-0.031 χ^2/NDF: 18131903.4/46

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: -108.612+/-55.288 χ^2/NDF: 26.6/23

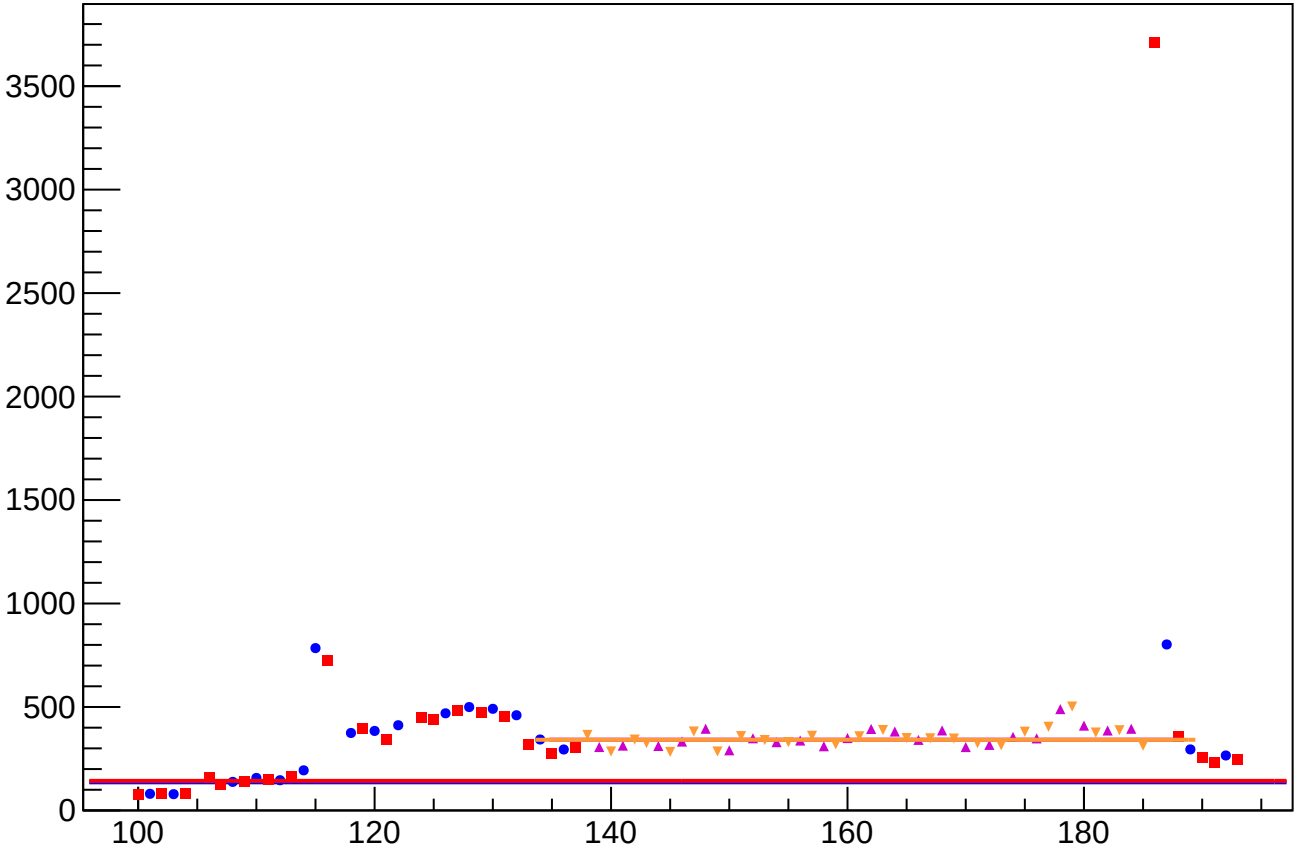
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 117.372+/-46.270 χ^2/NDF: 40.0/43

All: 23.390+/-32.482 χ^2/NDF: 108.5/90

- sign -67.931+/-45.611 χ^2/NDF: 60.3/46

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

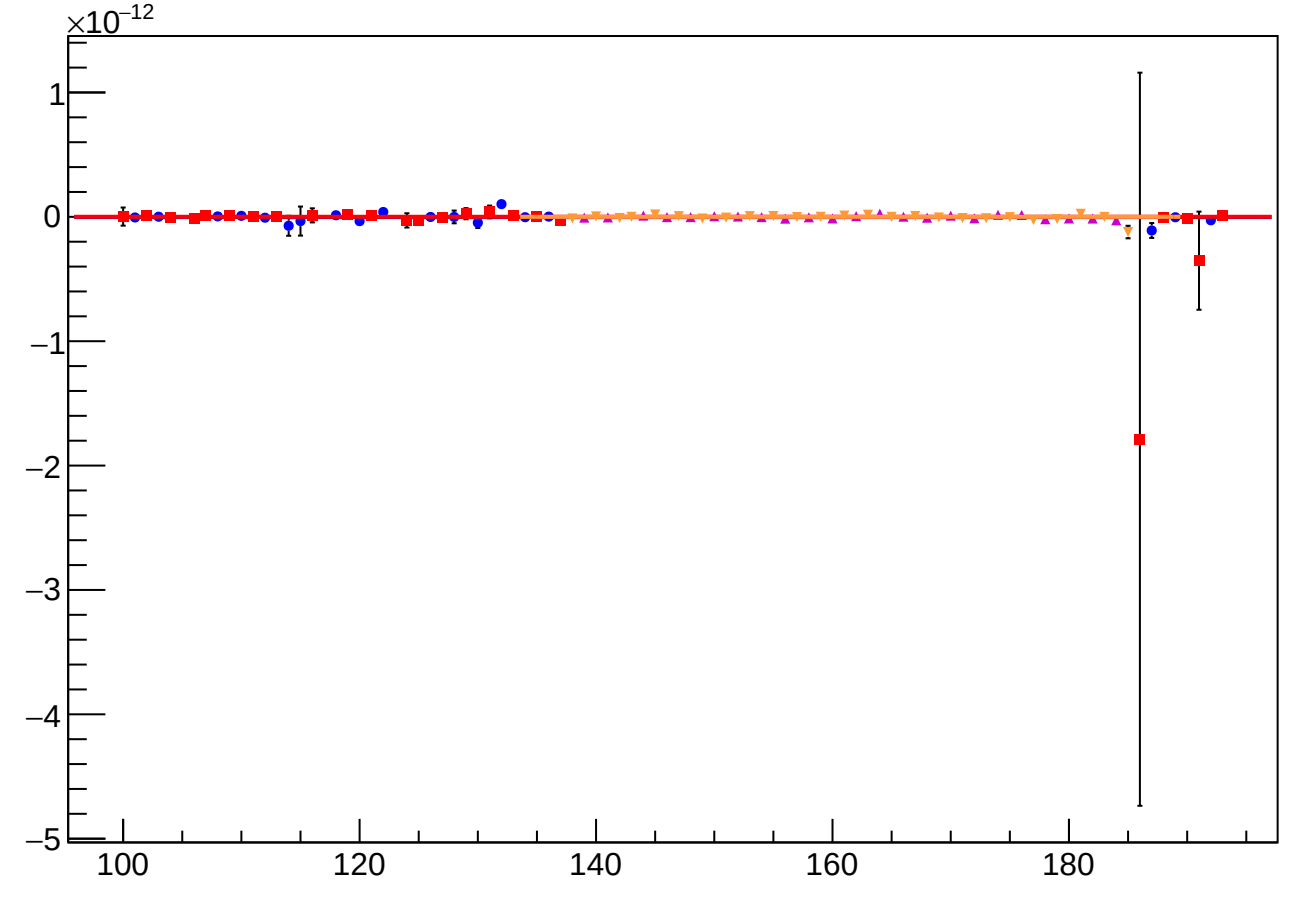
Right Out: 142.989+/-0.039 χ^2/NDF: 6601713.6/23

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 207.380+/-0.033 χ^2/NDF: 15759764.3/43

All: 206.956+/-0.023 χ^2/NDF: 31120286.0/90

- sign 206.543+/-0.032 χ^2/NDF: 15360189.7/46



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

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12.0/23

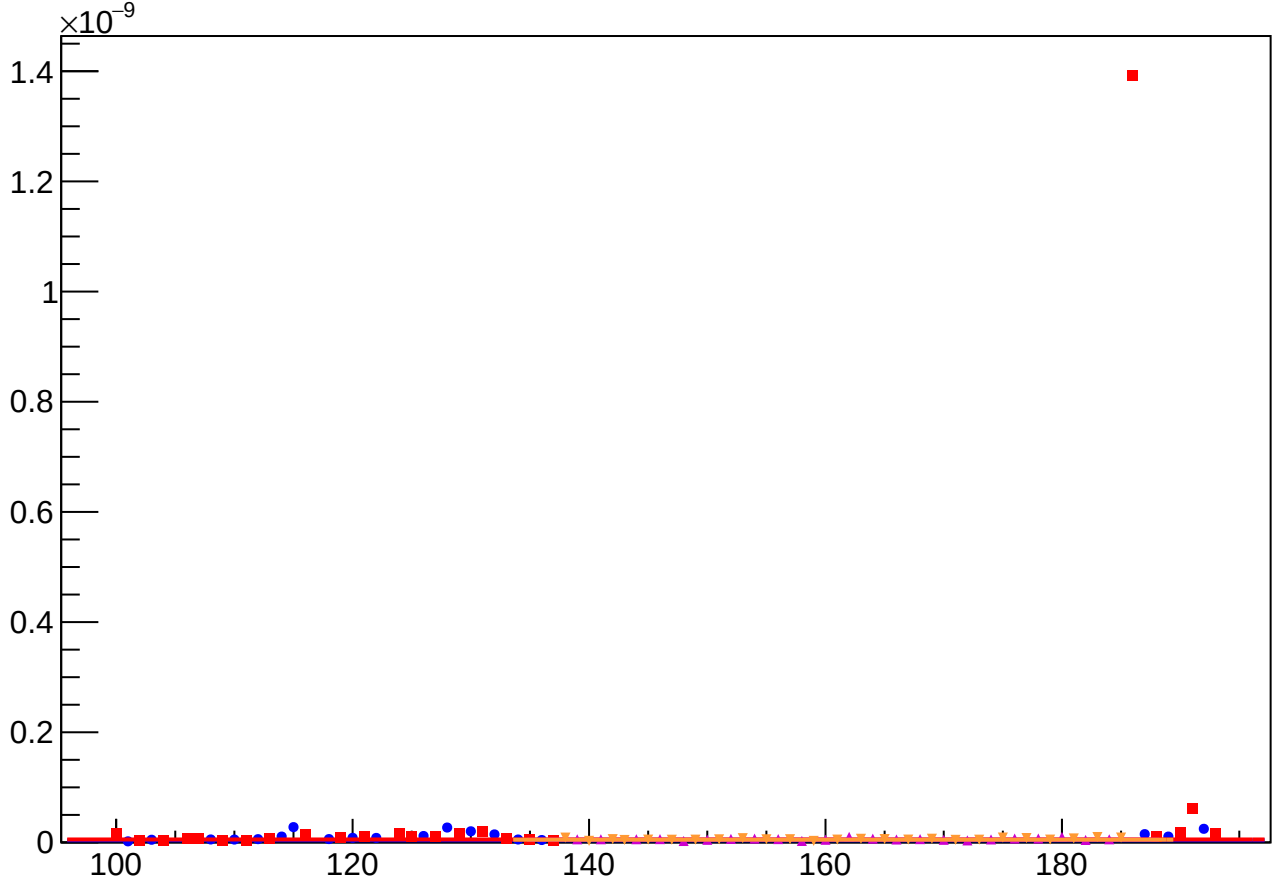
Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.6/43

All: -0.000+/-0.000 χ^2/NDF: 83.3/90

- sign -0.000+/-0.000 χ^2/NDF: 32.7/46

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: 2505534.0/23

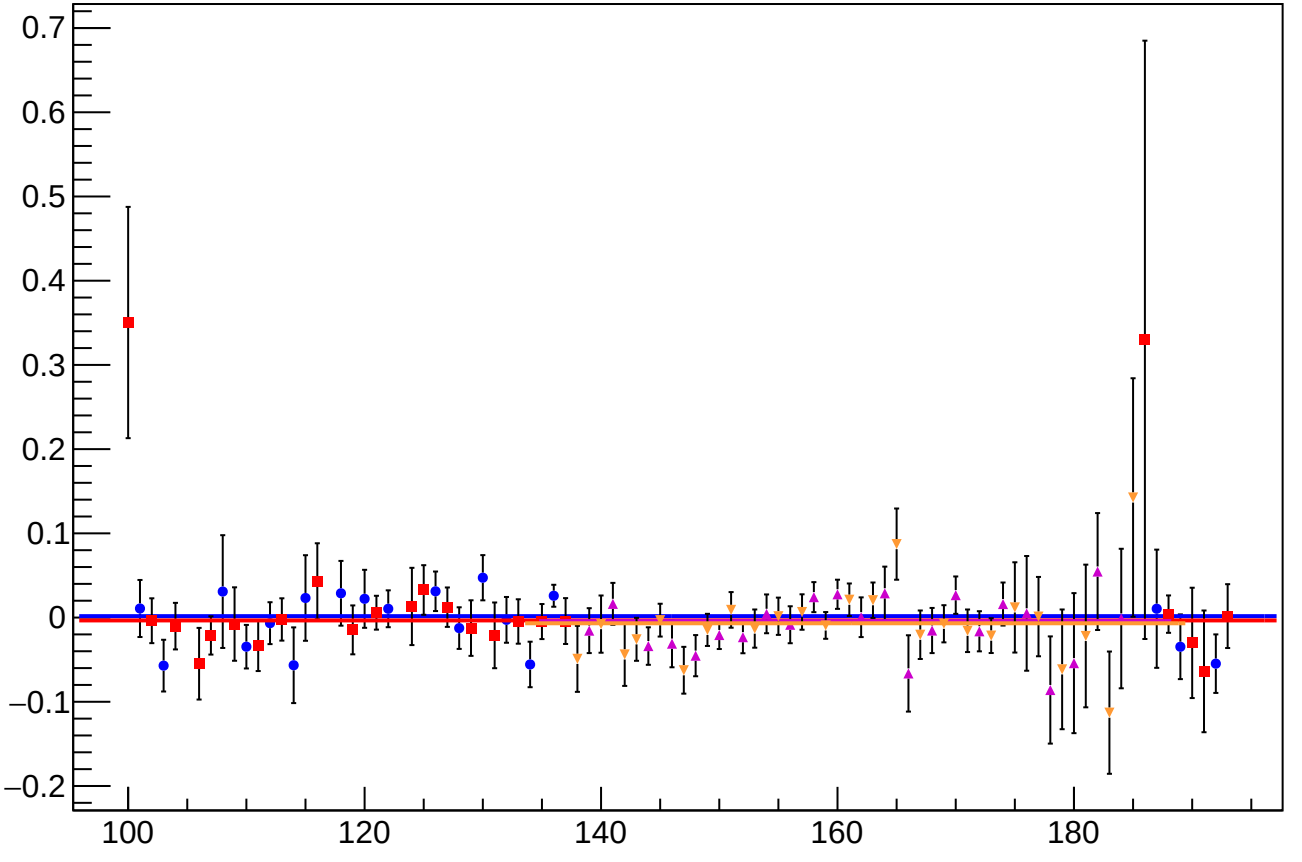
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4646971.0/43

All: 0.000+/-0.000 χ^2/NDF: 8501696.0/90

- sign 0.000+/-0.000 χ^2/NDF: 3755443.0/46

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: -0.003+/-0.006 χ^2/NDF: 15.5/23

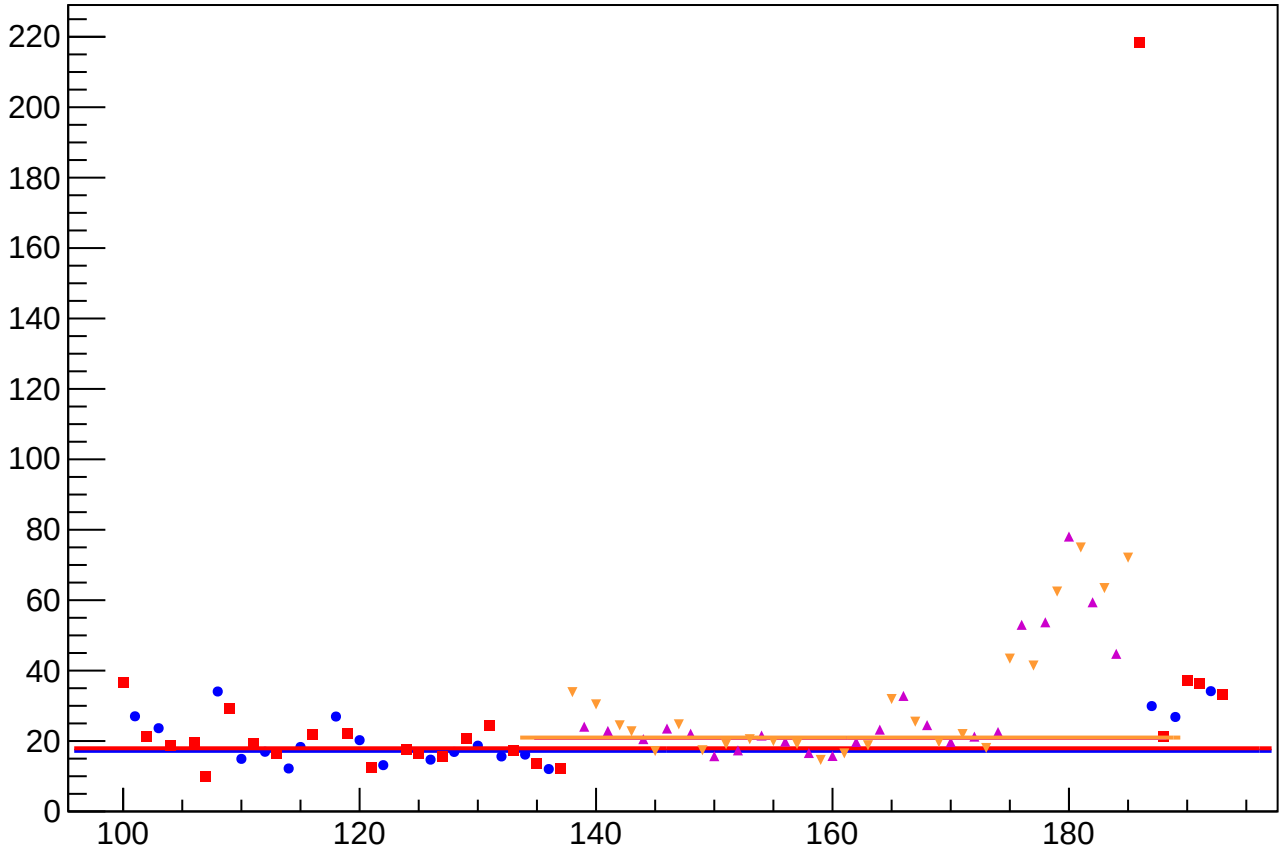
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 48.0/43

All: -0.004+/-0.003 χ^2/NDF: 86.7/90

- sign -0.004+/-0.004 χ^2/NDF: 38.7/46

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

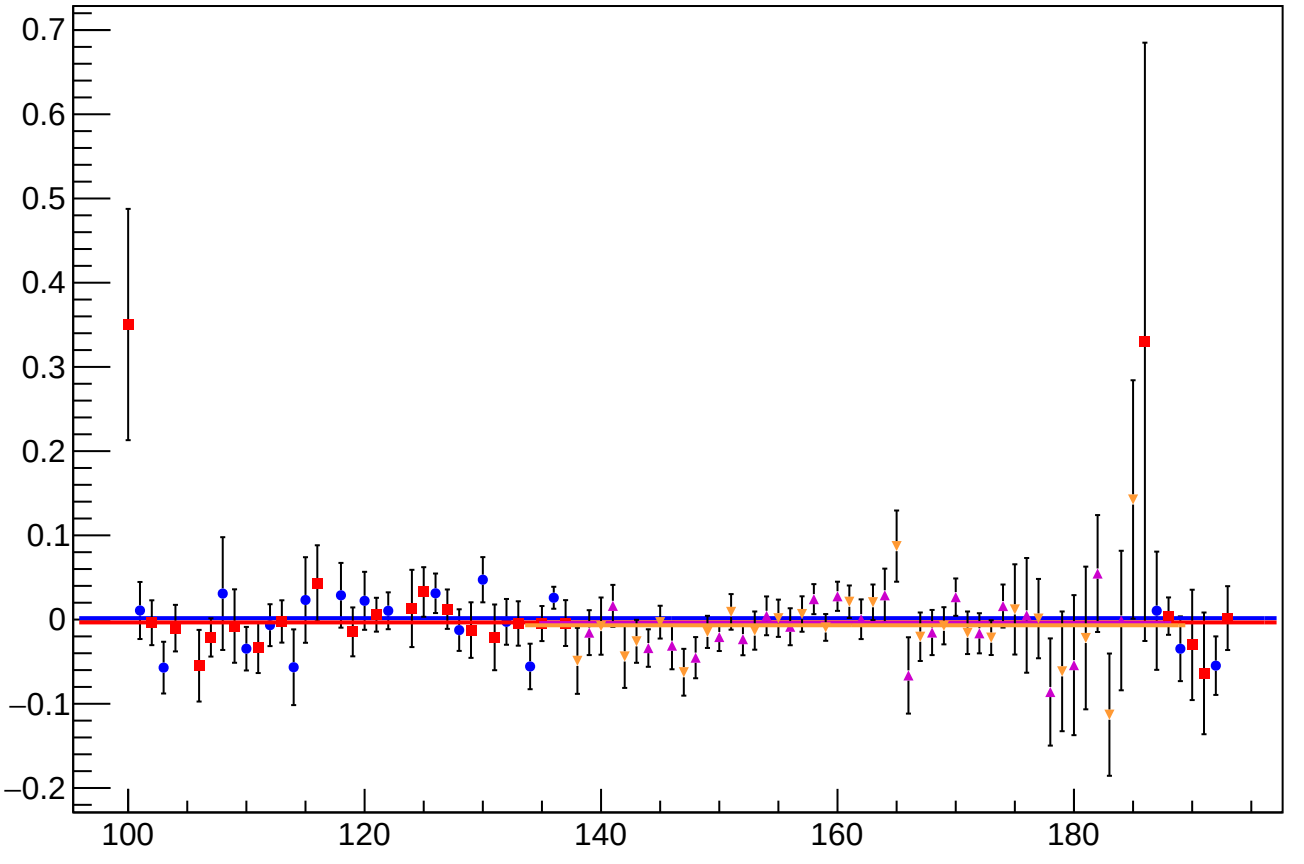
Right Out: 17.938+/-0.004 χ^2/NDF: 2229684.9/23

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.463+/-0.003 χ^2/NDF: 6546035.2/43

All: 19.549+/-0.002 χ^2/NDF: 12570360.0/90

- sign 19.636+/-0.003 χ^2/NDF: 6022495.5/46



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/18

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 15.5/23

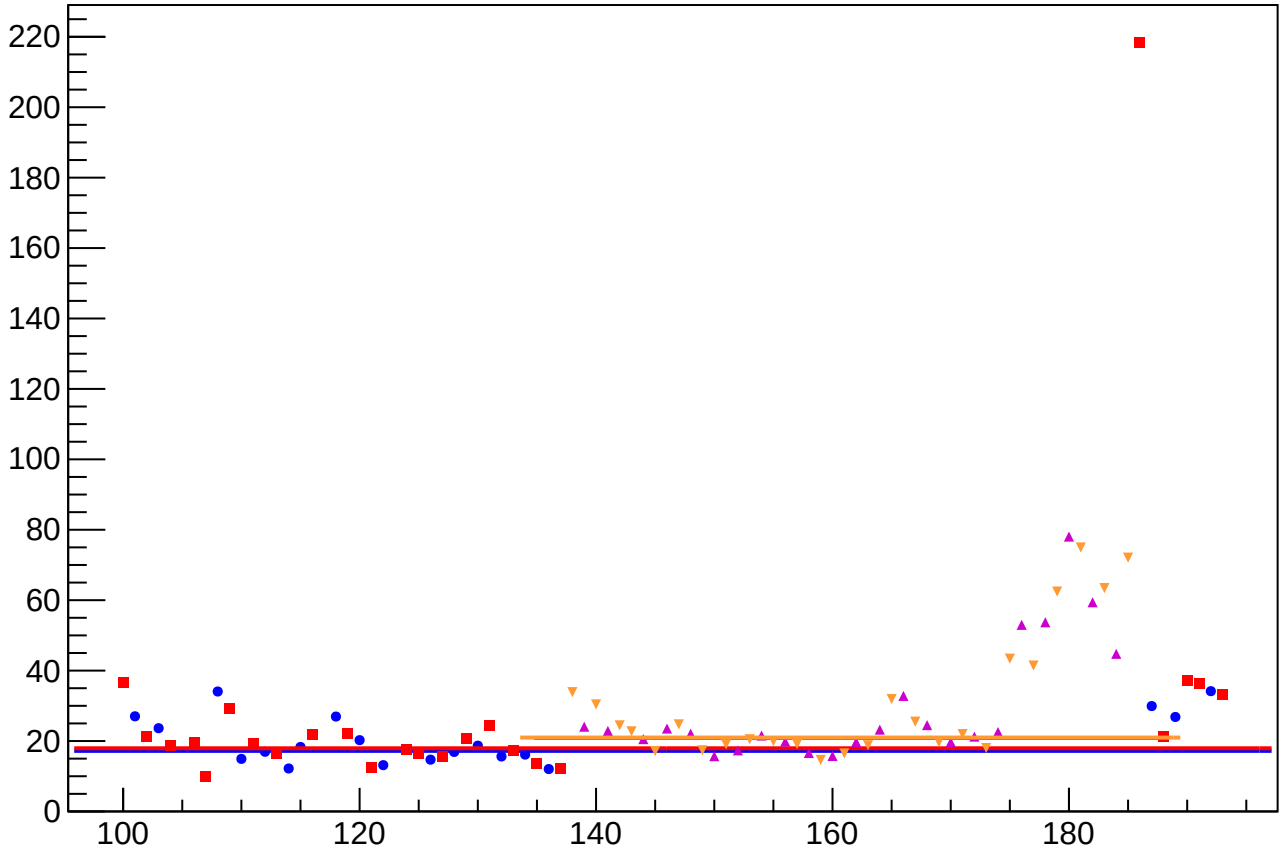
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 48.0/43

All: -0.004+/-0.003 χ^2/NDF: 86.7/90

- sign -0.004+/-0.004 χ^2/NDF: 38.7/46

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

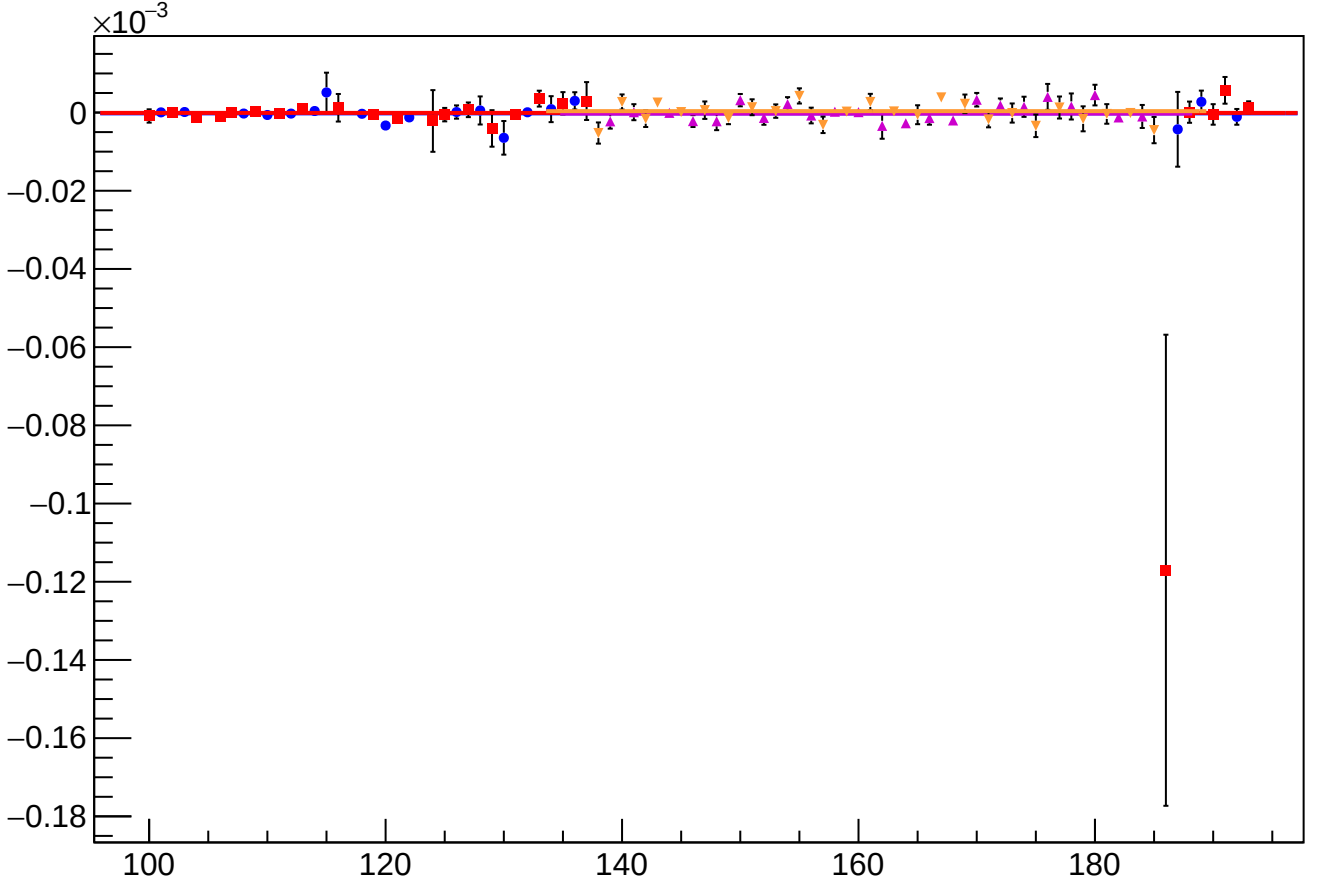
Right Out: 17.938+/-0.004 χ^2/NDF: 2229684.9/23

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.463+/-0.003 χ^2/NDF: 6546035.2/43

All: 19.549+/-0.002 χ^2/NDF: 12570360.0/90

- sign 19.636+/-0.003 χ^2/NDF: 6022495.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/23

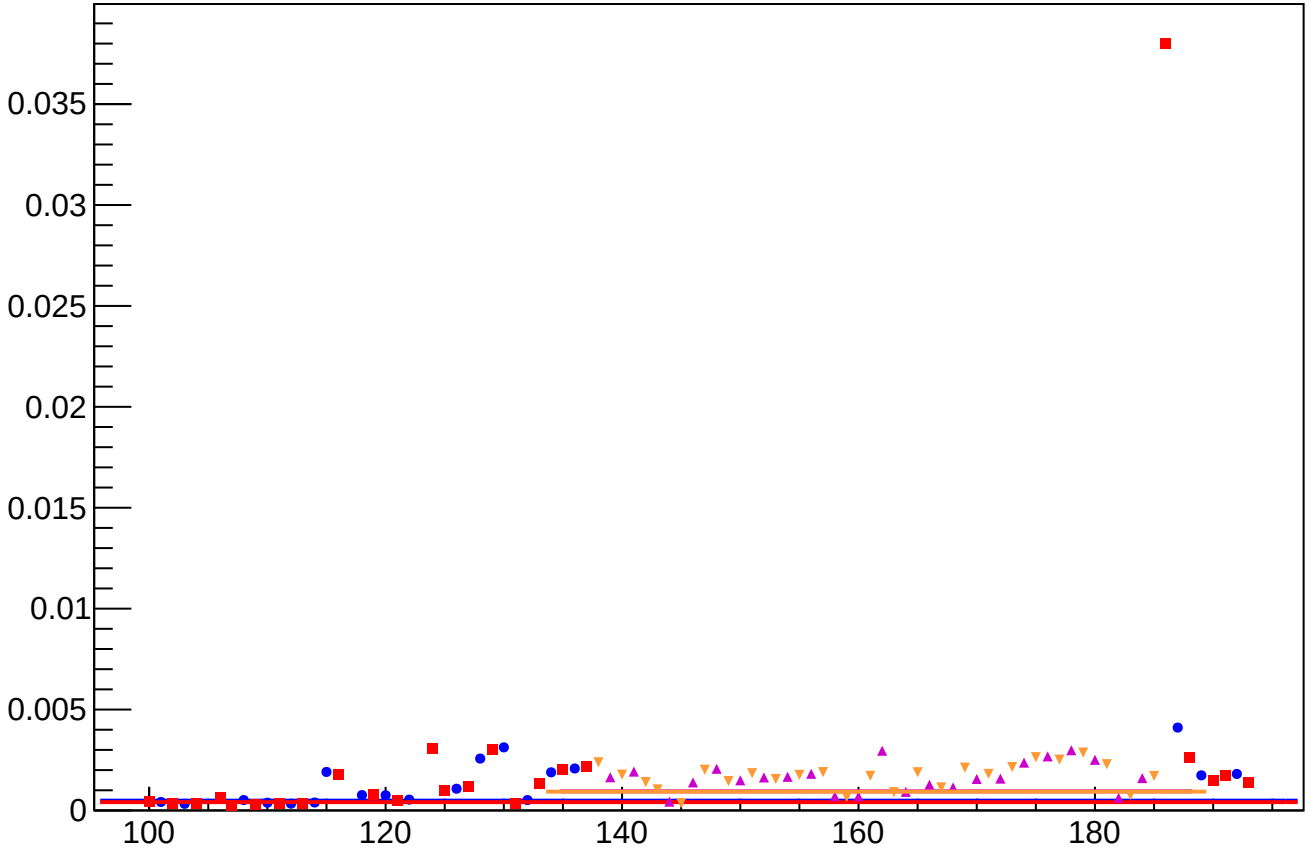
Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.1/43

All: -0.000+/-0.000 χ^2/NDF: 113.2/90

- sign -0.000+/-0.000 χ^2/NDF: 59.6/46

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5567659.5/18

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

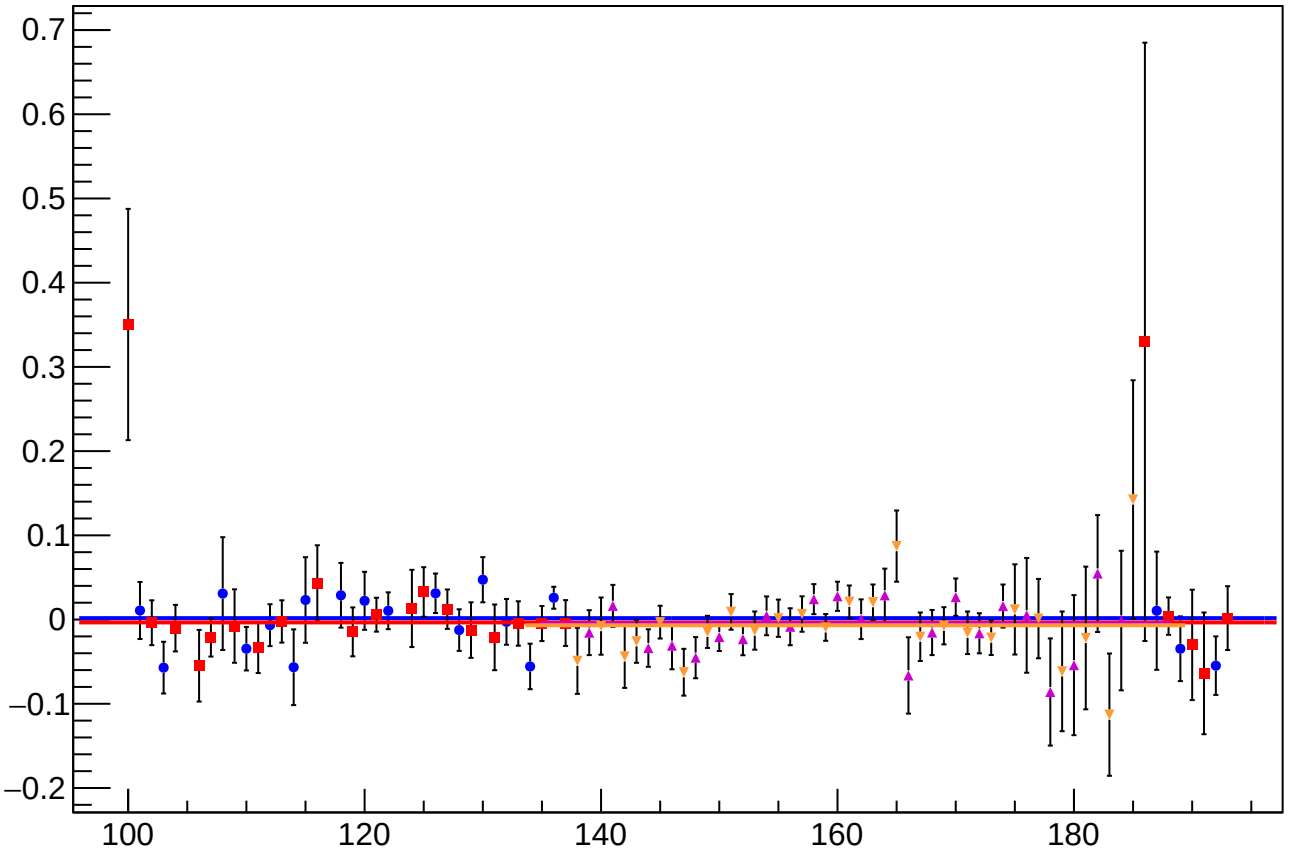
Right Out: 0.000+/-0.000 χ^2/NDF: 7590776.5/23

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 21192904.0/43

All: 0.001+/-0.000 χ^2/NDF: 44394343.4/90

- sign 0.001+/-0.000 χ^2/NDF: 22889430.8/46



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/18

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 15.5/23

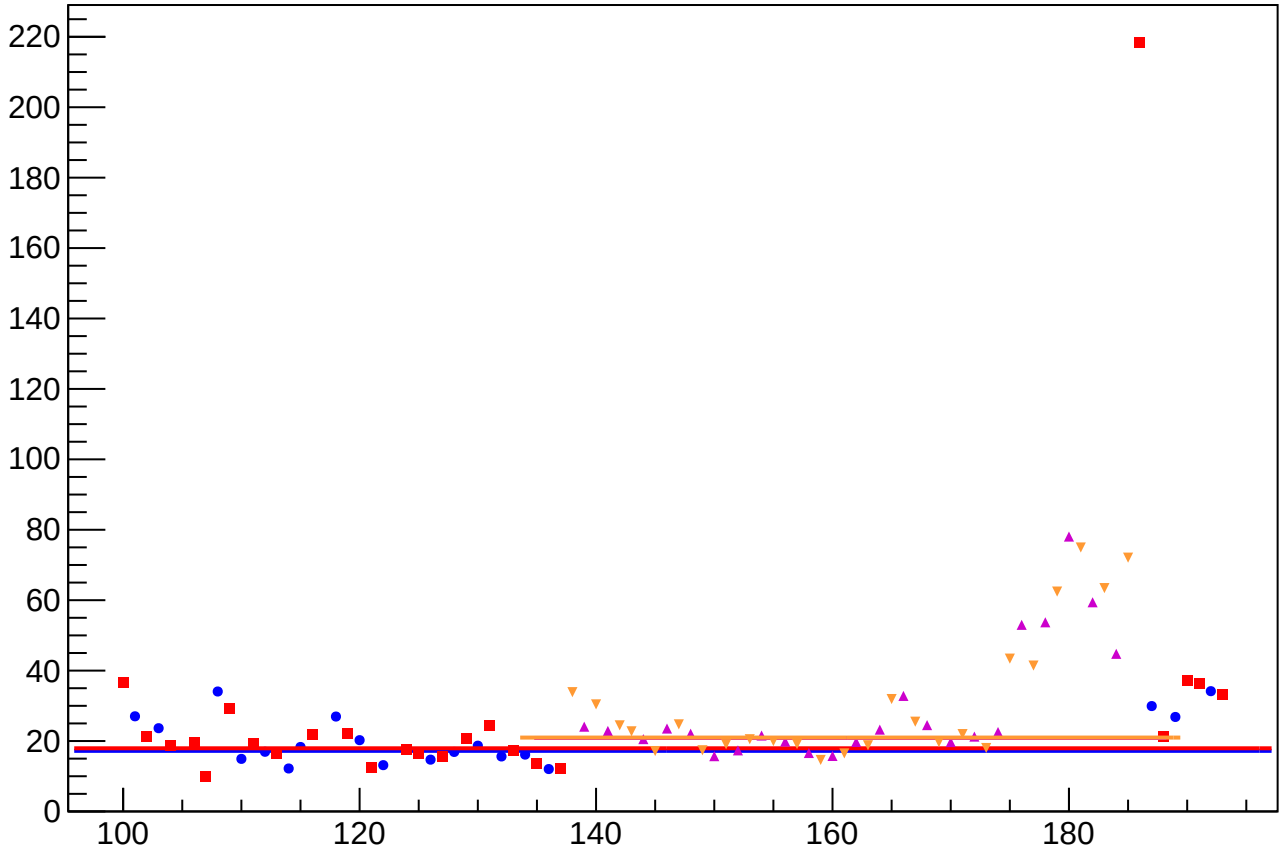
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 48.0/43

All: -0.004+/-0.003 χ^2/NDF: 86.7/90

- sign -0.004+/-0.004 χ^2/NDF: 38.7/46

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 17.213+/-0.004 χ^2/NDF: 1656781.0/18

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

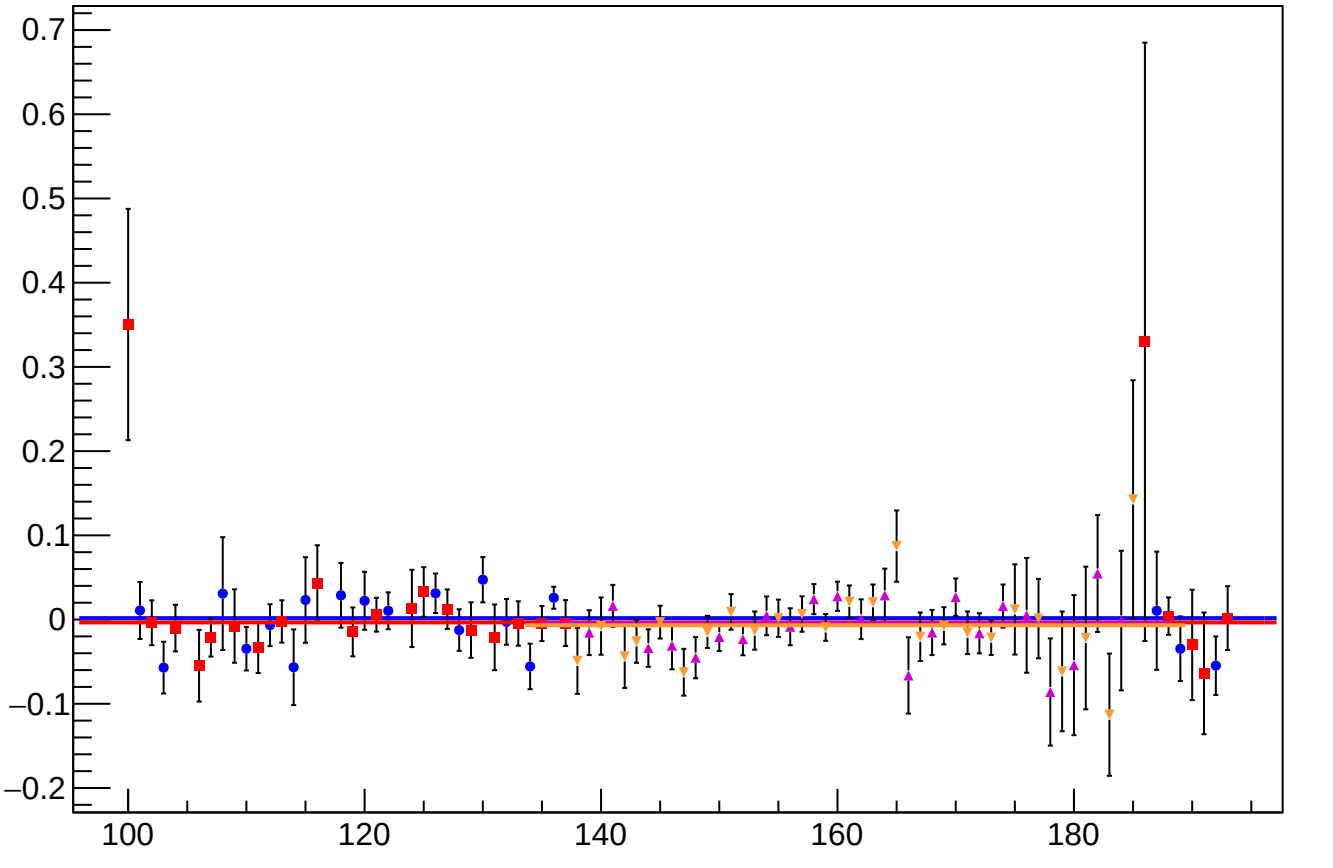
Right Out: 17.938+/-0.004 χ^2/NDF: 2229688.7/23

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.463+/-0.003 χ^2/NDF: 6546122.3/43

All: 19.549+/-0.002 χ^2/NDF: 12570549.7/90

- sign 19.635+/-0.003 χ^2/NDF: 6022599.6/46



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/18

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

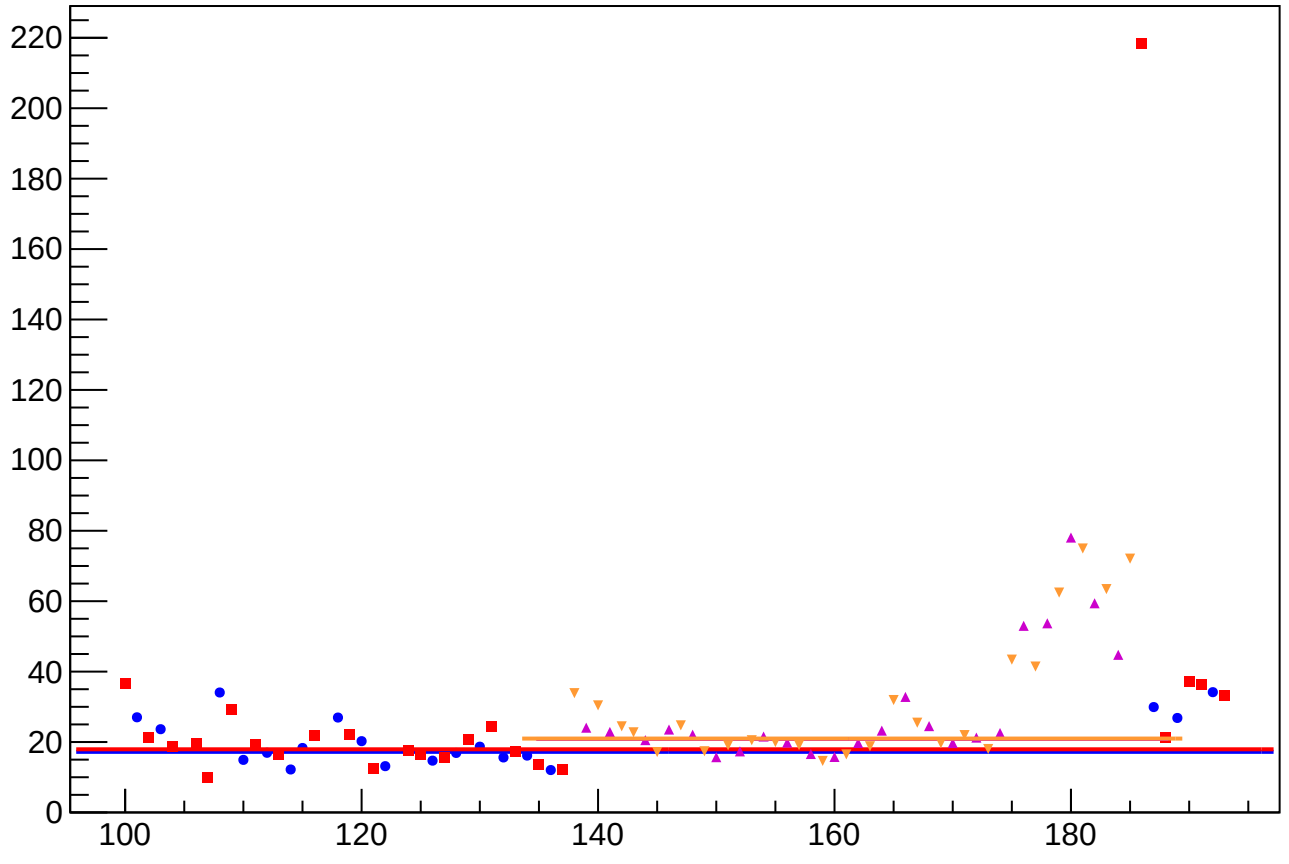
Right Out: -0.003+/-0.006 χ^2/NDF: 15.5/23

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: 86.7/90

- sign -0.004+/-0.004 χ^2/NDF: 38.7/46



Right In: 17.213+/-0.004 χ^2/NDF: 1656781.0/18

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

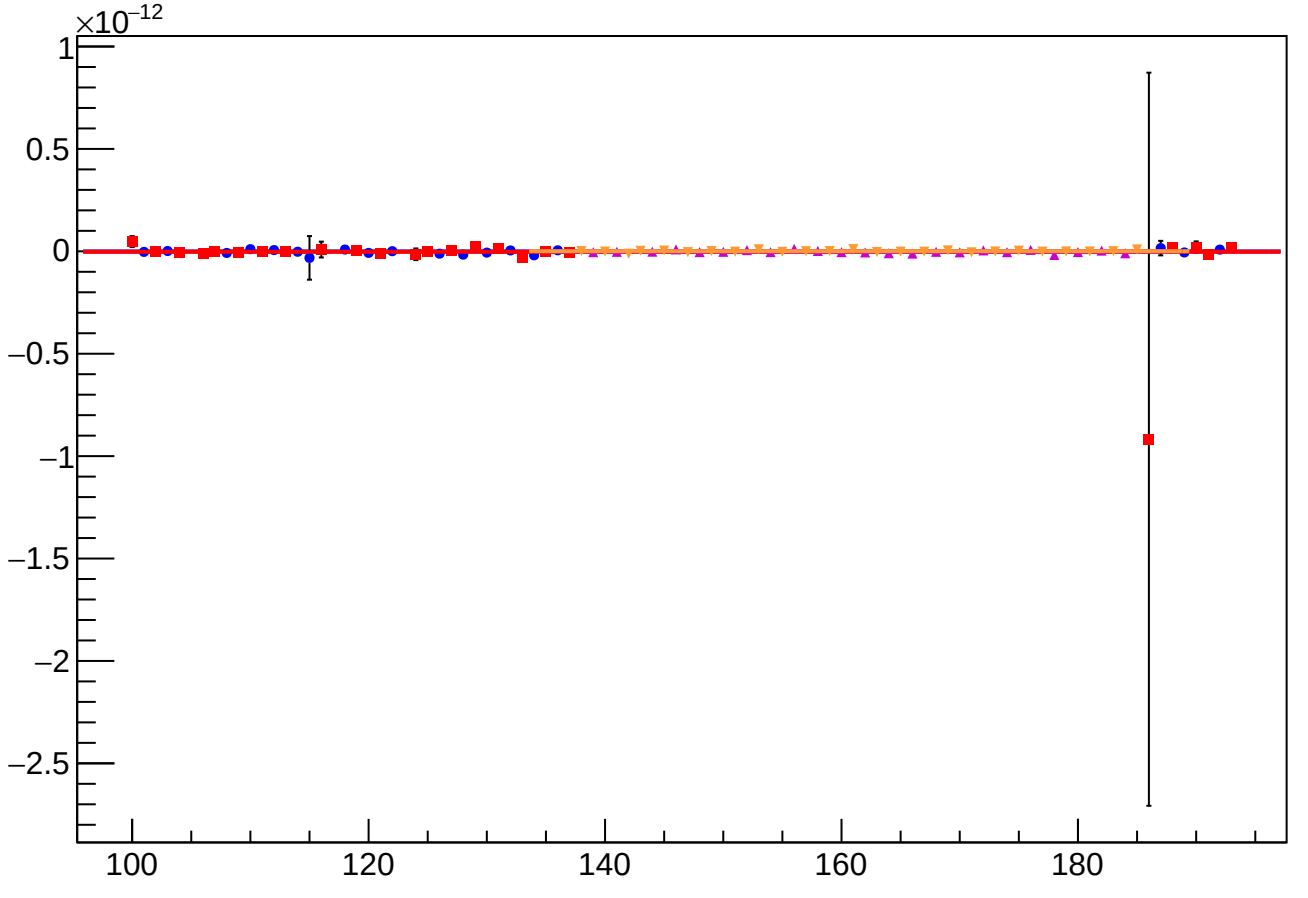
Right Out: 17.938+/-0.004 χ^2/NDF: 2229688.7/23

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.463+/-0.003 χ^2/NDF: 6546122.3/43

All: 19.549+/-0.002 χ^2/NDF: 12570549.7/90

- sign 19.635+/-0.003 χ^2/NDF: 6022599.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

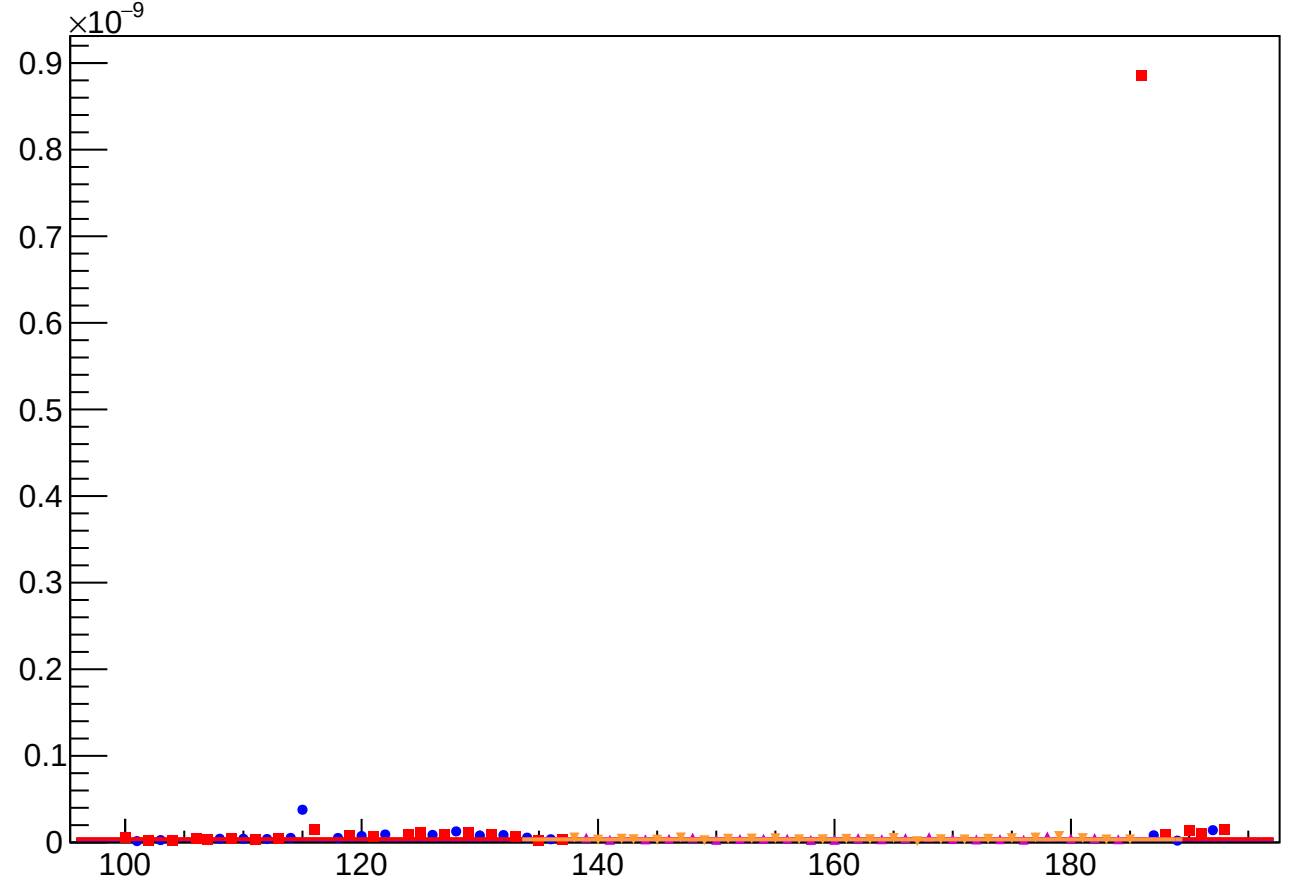
Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/23

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: 75.8/90

- sign -0.000+/-0.000 χ^2/NDF: 46.6/46



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: 4431309.0/23

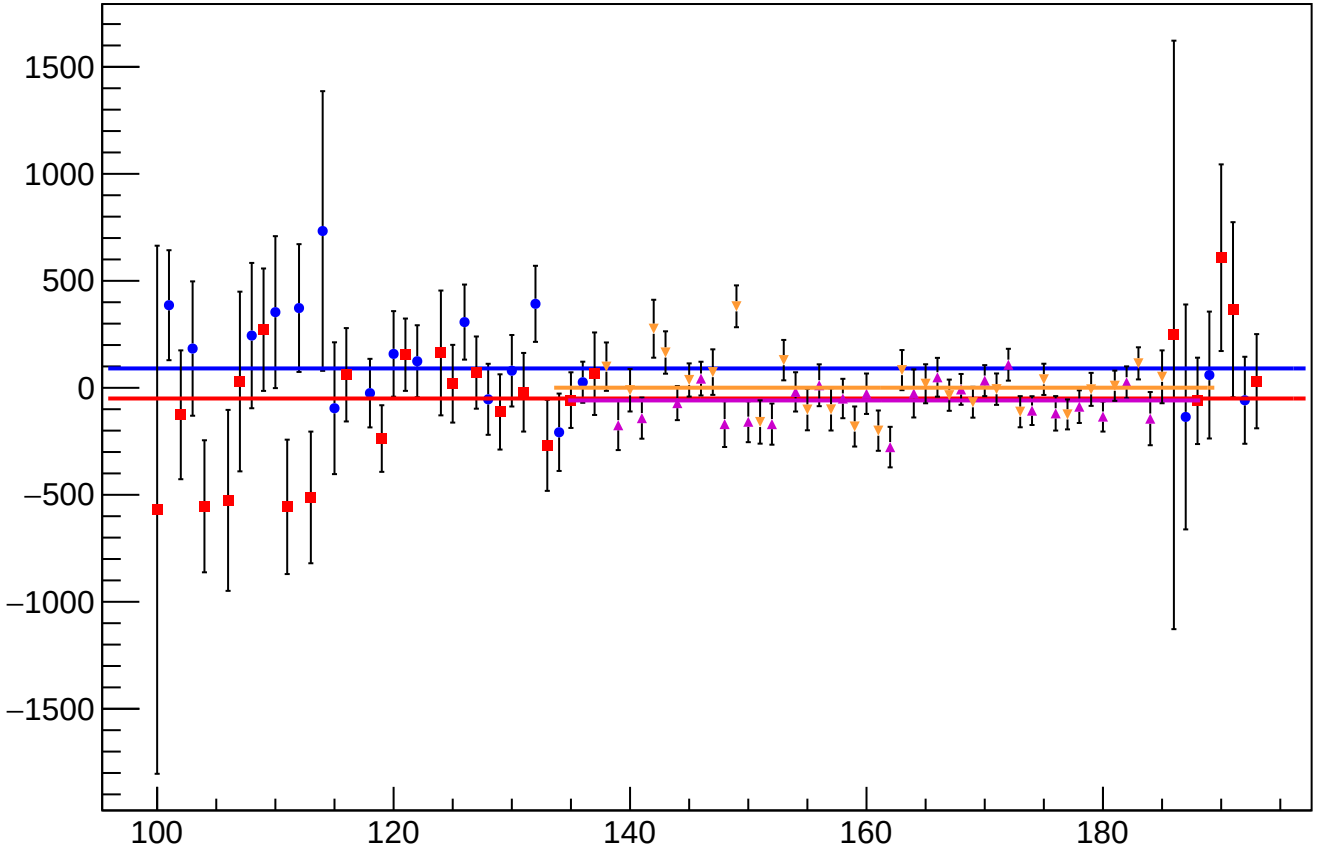
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6332563.0/43

All: 0.000+/-0.000 χ^2/NDF: 12237556.9/90

- sign 0.000+/-0.000 χ^2/NDF: 5635531.0/46

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: -49.884+/-46.229 χ^2/NDF: 19.8/23

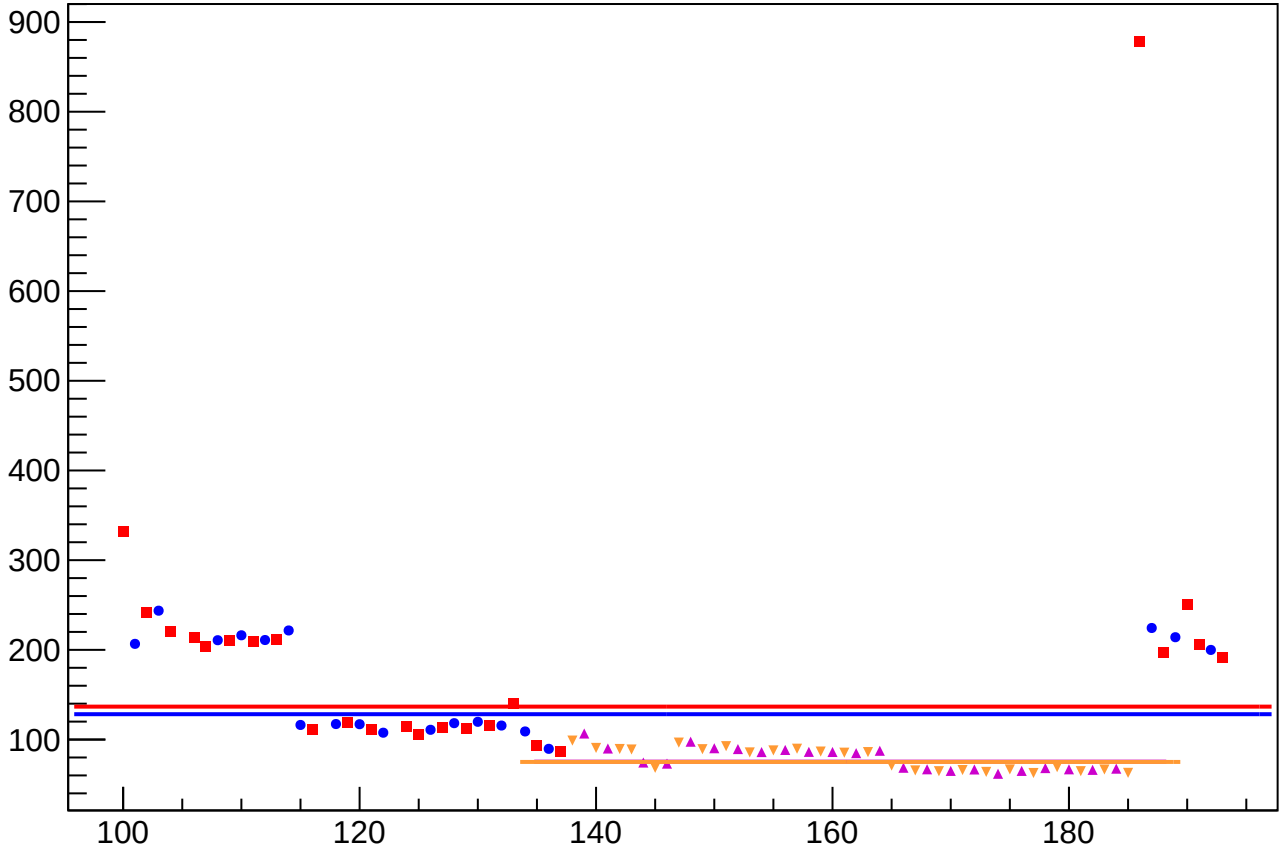
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 11.929+/-16.193 χ^2/NDF: 66.1/43

All: -21.879+/-11.617 χ^2/NDF: 120.7/90

- sign -57.733+/-16.675 χ^2/NDF: 45.6/46

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

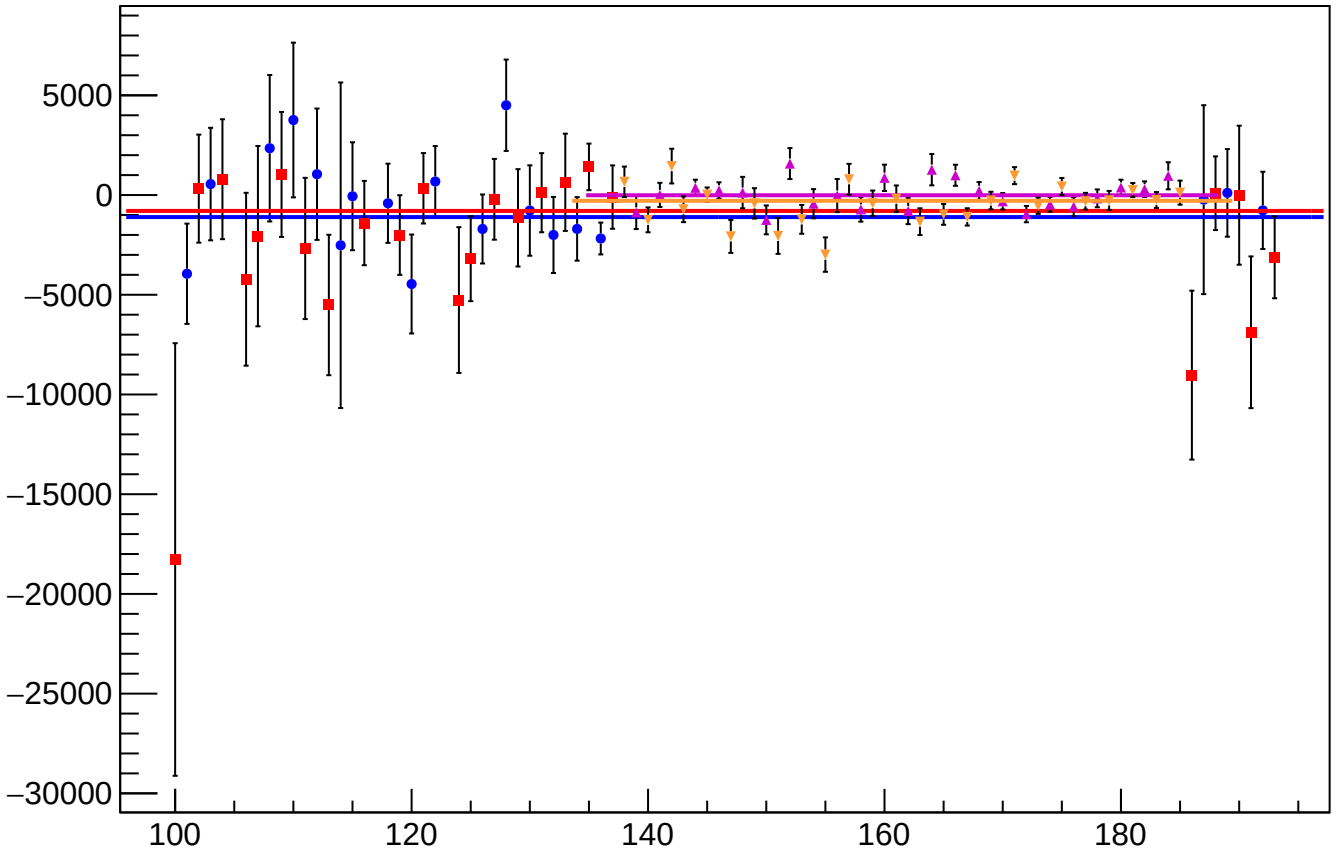
Right Out: 136.708+/-0.033 χ^2/NDF: 2626173.7/23

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 81.740+/-0.011 χ^2/NDF: 5117324.2/43

All: 82.514+/-0.008 χ^2/NDF: 11655278.0/90

- sign 83.335+/-0.012 χ^2/NDF: 6528526.1/46



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: -796.095+/-476.118 χ^2/NDF: 22.1/23

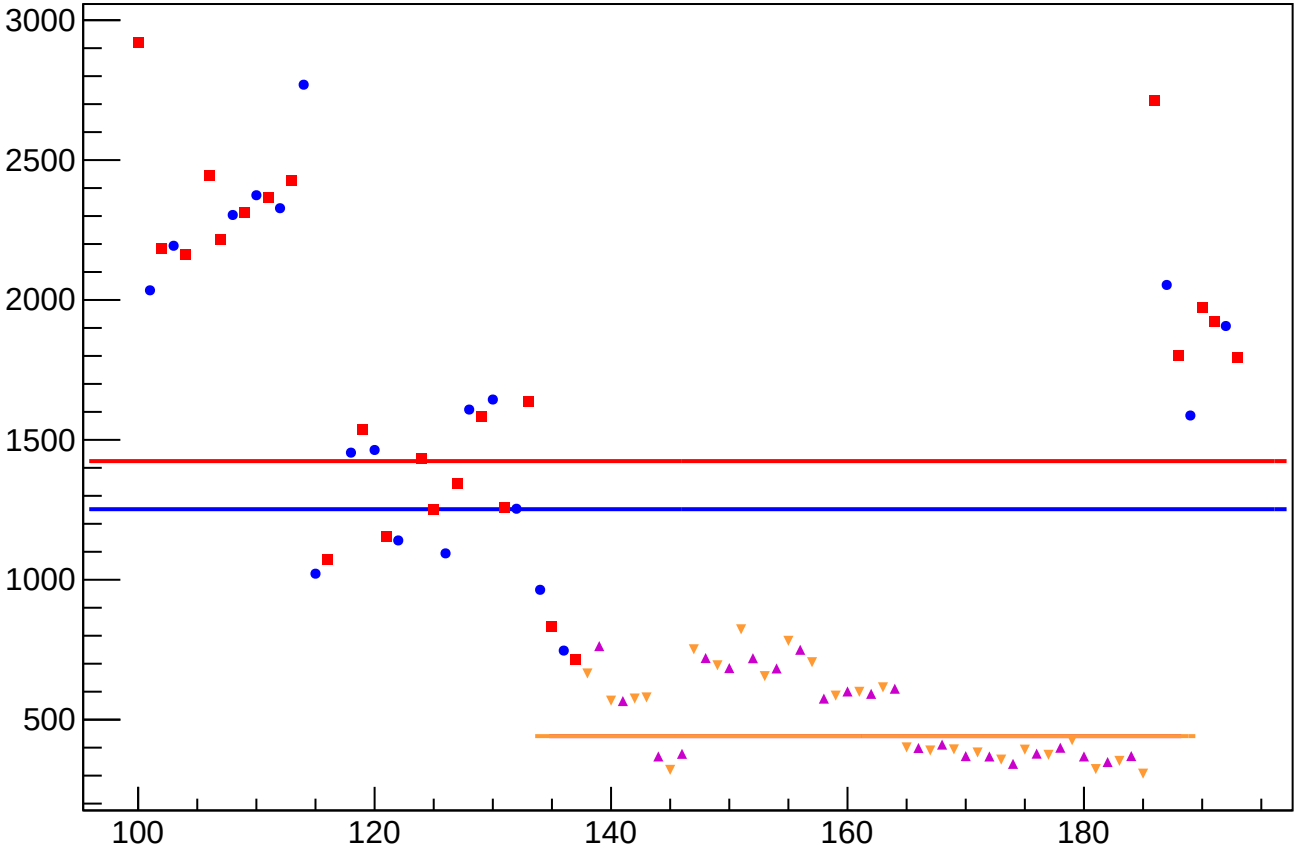
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -329.953+/-102.499 χ^2/NDF: 72.7/43

All: -192.816+/-73.352 χ^2/NDF: 134.5/90

- sign -48.856+/-105.018 χ^2/NDF: 58.1/46

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: 1424.105+/-0.337 χ^2/NDF: 2441915.3/23

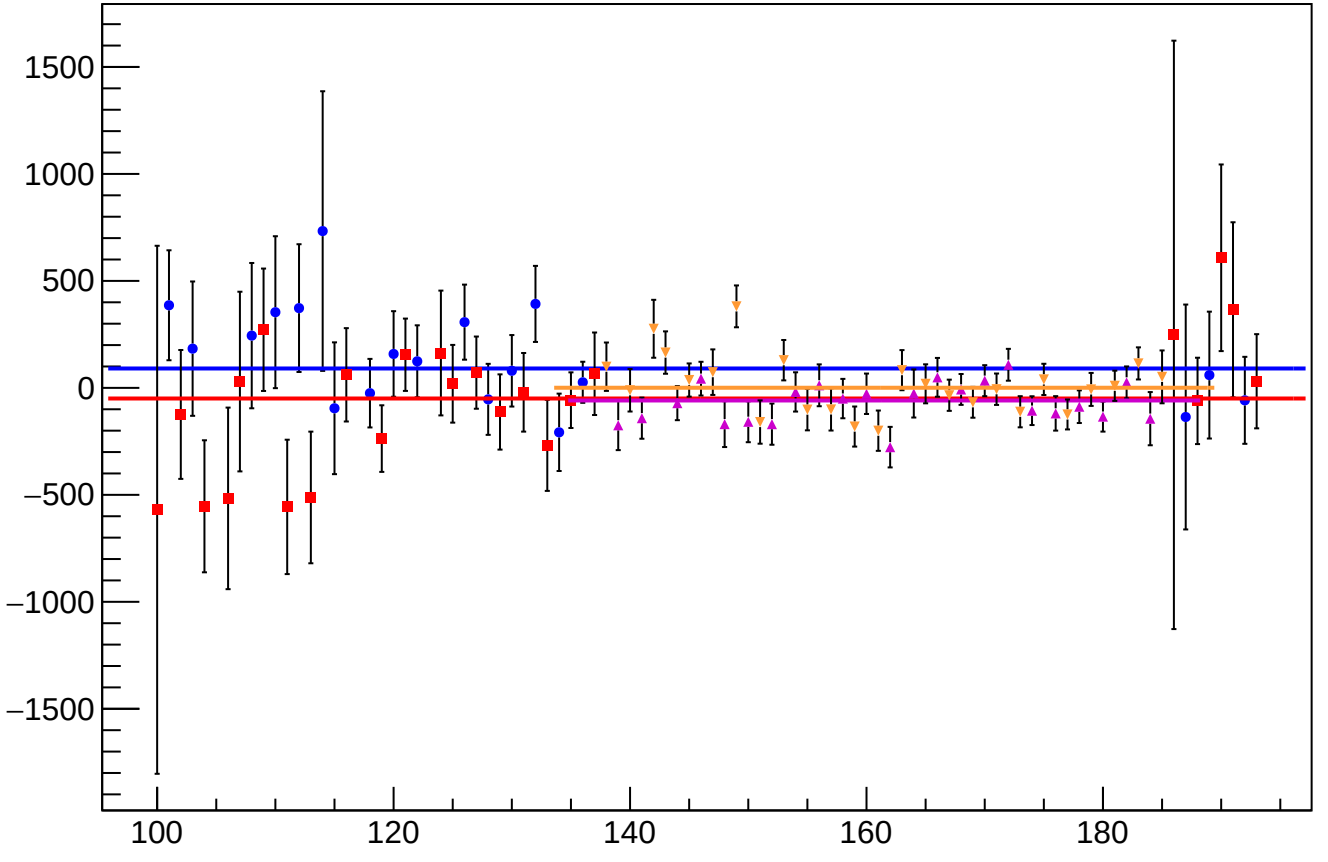
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 482.697+/-0.072 χ^2/NDF: 11736641.4/43

All: 485.780+/-0.052 χ^2/NDF: 24973321.7/90

- sign 489.016+/-0.074 χ^2/NDF: 13232972.2/46

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: -49.682+/-46.231 χ^2/NDF: 19.7/23

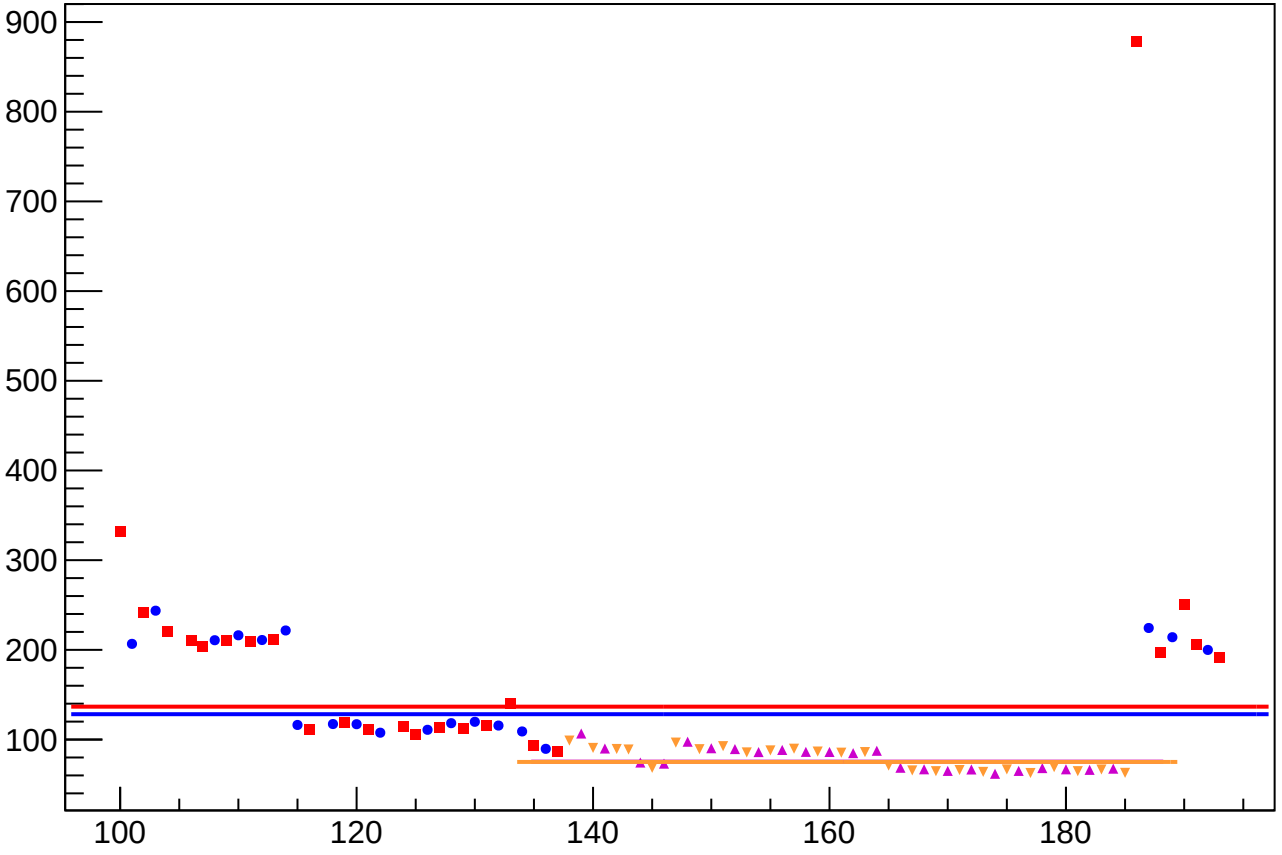
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 11.927+/-16.193 χ^2/NDF: 66.1/43

All: -21.866+/-11.617 χ^2/NDF: 120.7/90

- sign -57.704+/-16.675 χ^2/NDF: 45.6/46

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

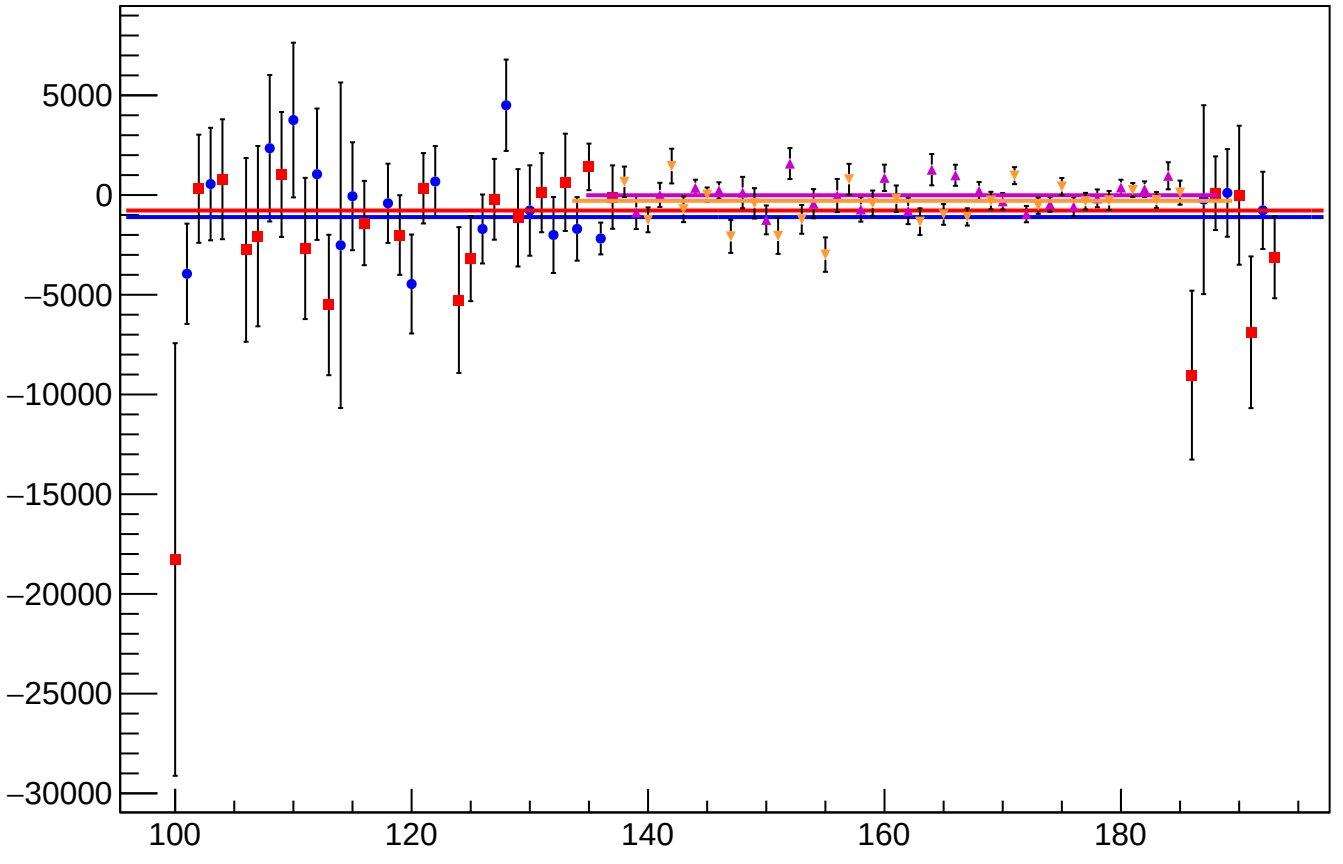
Right Out: 136.666+/-0.033 χ^2/NDF: 2620853.4/23

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 81.740+/-0.011 χ^2/NDF: 5117326.2/43

All: 82.511+/-0.008 χ^2/NDF: 11645312.9/90

- sign 83.329+/-0.012 χ^2/NDF: 6518633.9/46



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: -775.800+/-476.459 χ^2/NDF: 21.7/23

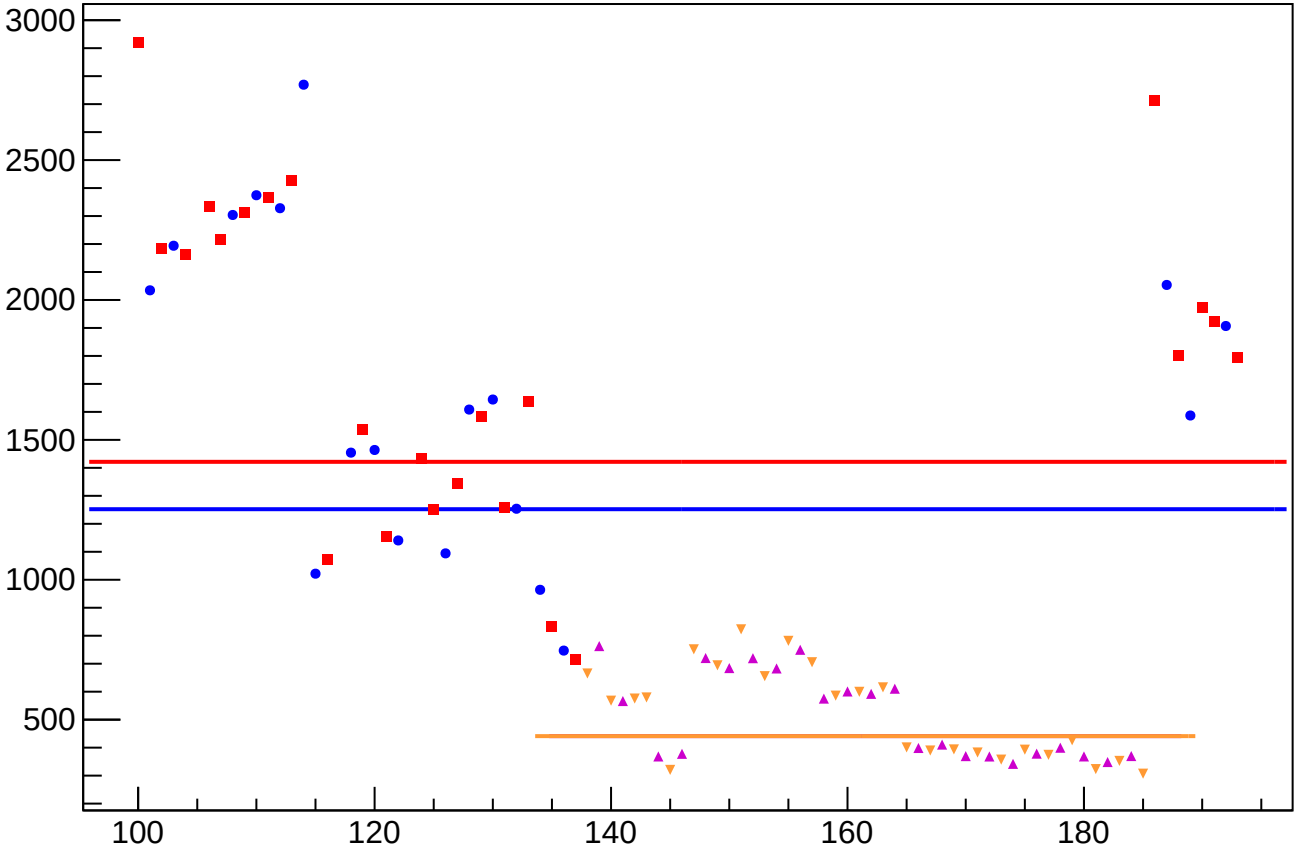
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -329.951+/-102.499 χ^2/NDF: 72.7/43

All: -192.314+/-73.353 χ^2/NDF: 133.9/90

- sign -47.820+/-105.021 χ^2/NDF: 57.5/46

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: 1421.534+/-0.337 χ^2/NDF: 2409593.0/23

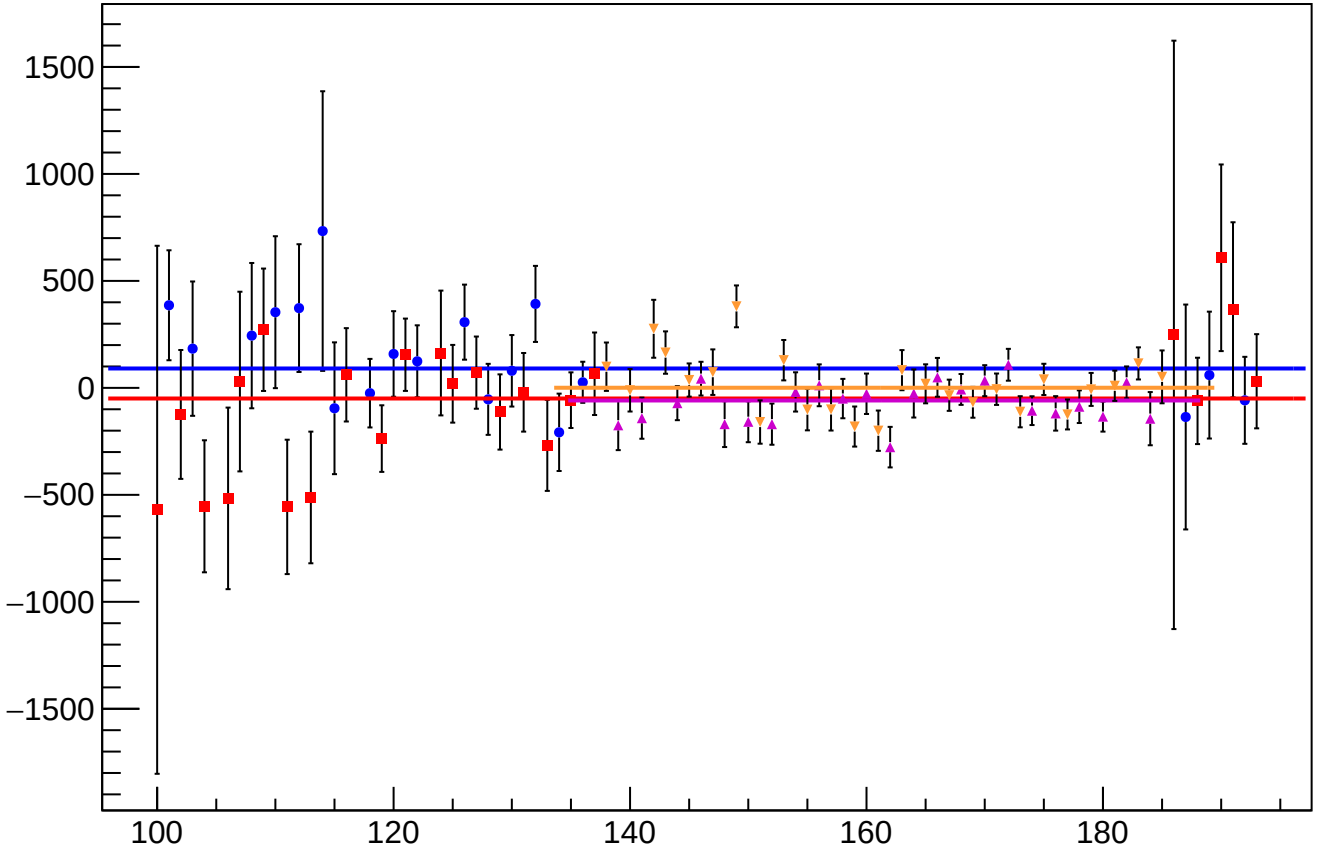
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 482.697+/-0.072 χ^2/NDF: 11736649.4/43

All: 485.687+/-0.052 χ^2/NDF: 24887462.4/90

- sign 488.826+/-0.074 χ^2/NDF: 13147324.2/46

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: -49.682+/-46.231 χ^2/NDF: 19.7/23

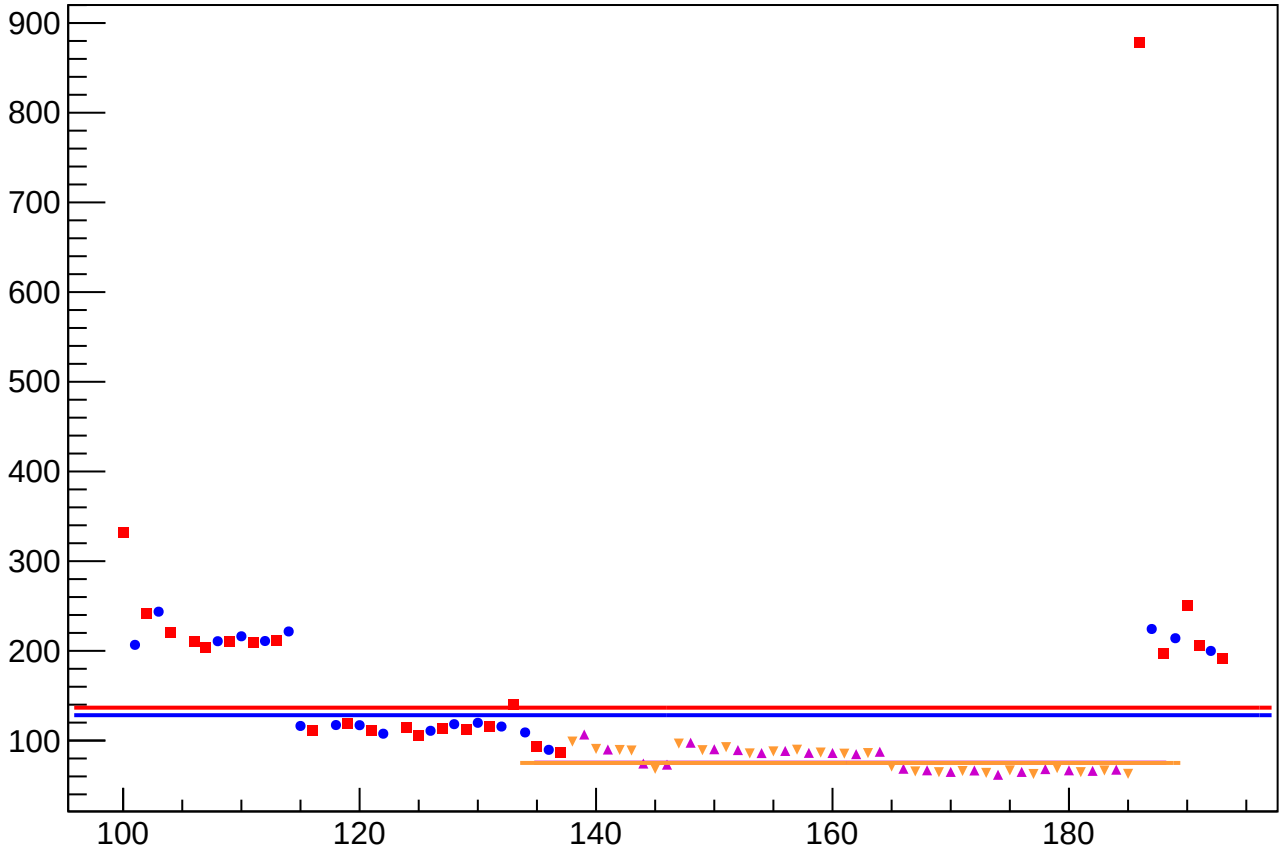
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 11.927+/-16.193 χ^2/NDF: 66.1/43

All: -21.866+/-11.617 χ^2/NDF: 120.7/90

- sign -57.704+/-16.675 χ^2/NDF: 45.6/46

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

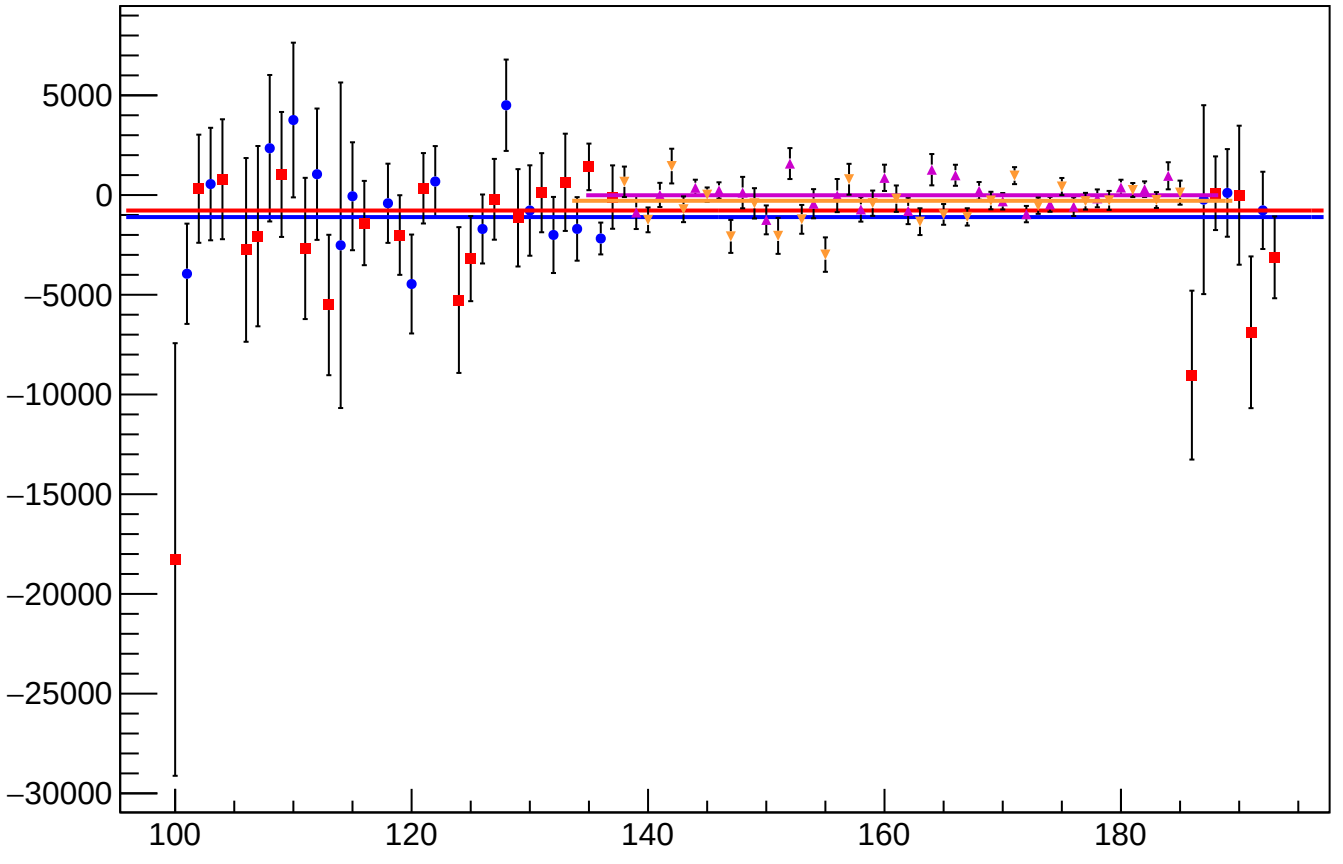
Right Out: 136.666+/-0.033 χ^2/NDF: 2620853.4/23

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 81.740+/-0.011 χ^2/NDF: 5117326.2/43

All: 82.511+/-0.008 χ^2/NDF: 11645312.9/90

- sign 83.329+/-0.012 χ^2/NDF: 6518633.9/46



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: -775.800+/-476.459 χ^2/NDF: 21.7/23

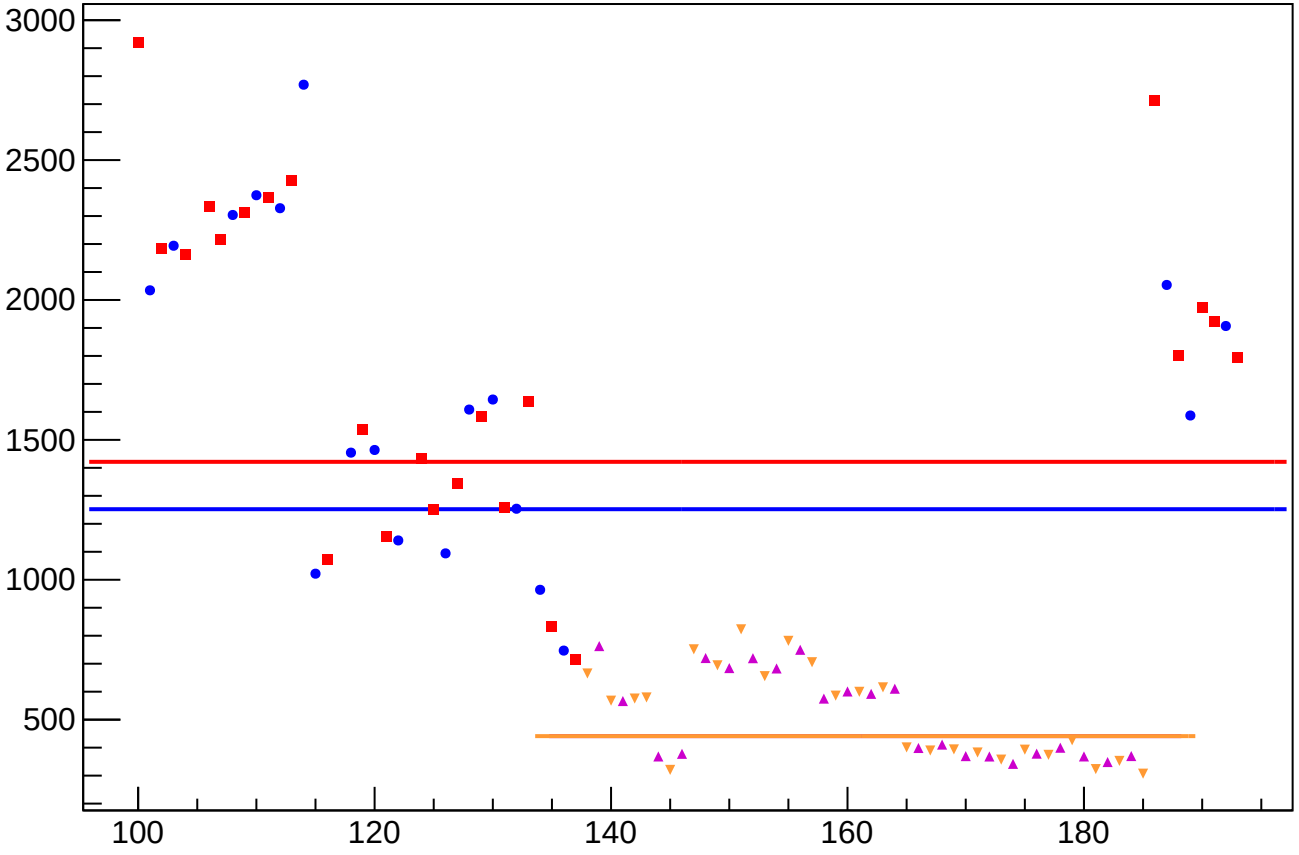
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

\+ sign -329.951+/-102.499 χ^2/NDF: 72.7/43

All: -192.314+/-73.353 χ^2/NDF: 133.9/90

\- sign -47.820+/-105.021 χ^2/NDF: 57.5/46

asym_sam_26_avg_eigen_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: 1421.534+/-0.337 χ^2/NDF: 2409593.0/23

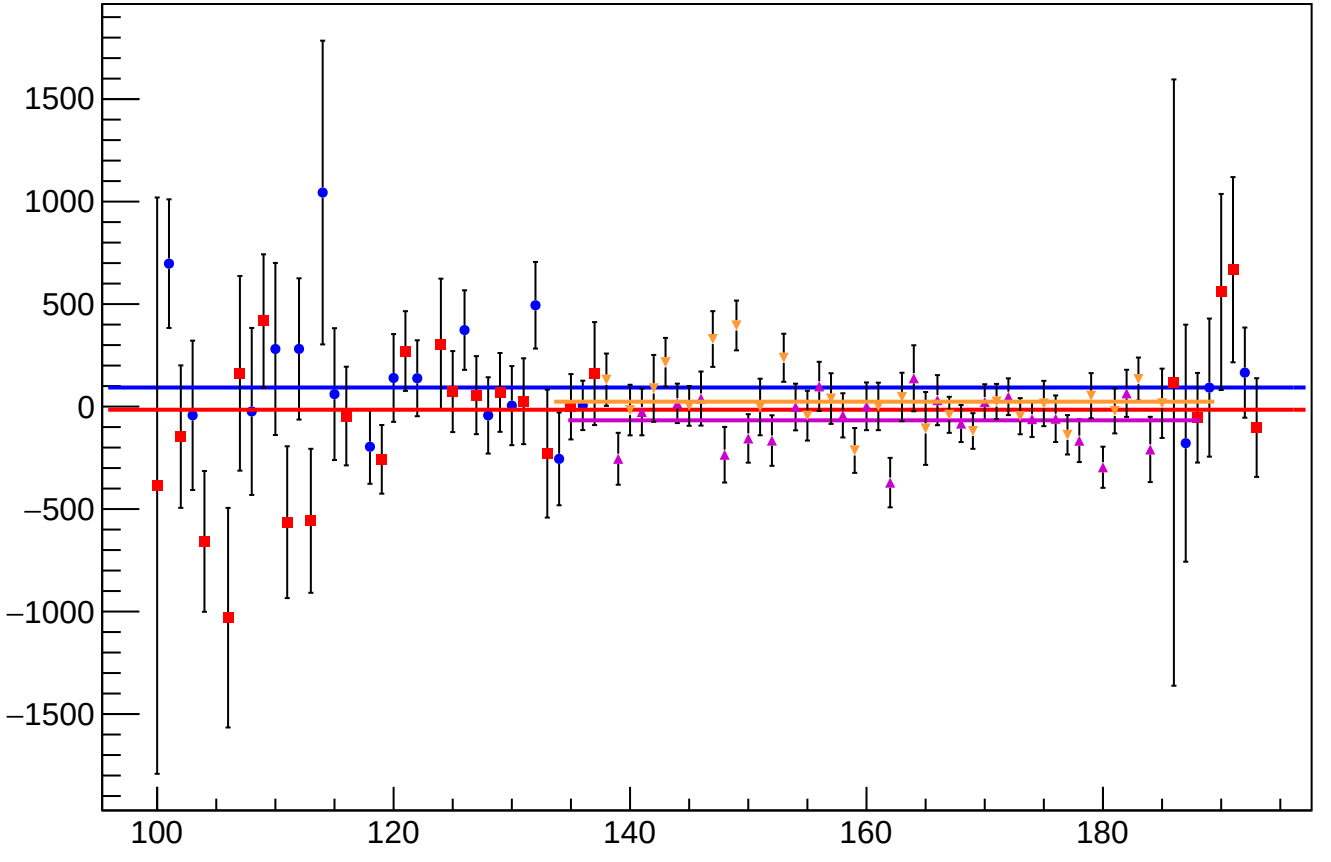
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 482.697+/-0.072 χ^2/NDF: 11736649.4/43

All: 485.687+/-0.052 χ^2/NDF: 24887462.4/90

- sign 488.826+/-0.074 χ^2/NDF: 13147324.2/46

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: -15.455+/-53.037 χ^2/NDF: 24.5/23

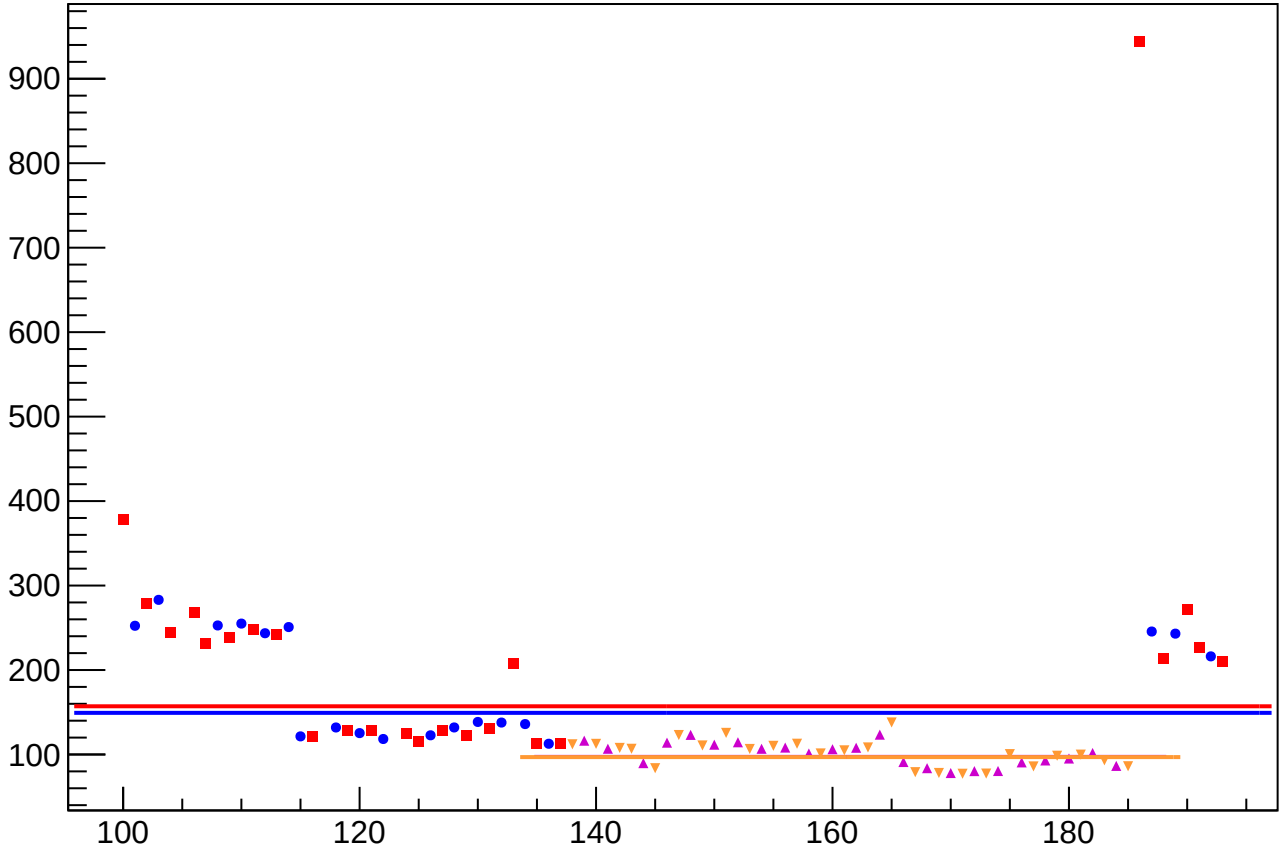
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 34.374+/-20.642 χ^2/NDF: 55.0/43

All: -11.003+/-14.788 χ^2/NDF: 118.9/90

- sign -58.840+/-21.195 χ^2/NDF: 53.9/46

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

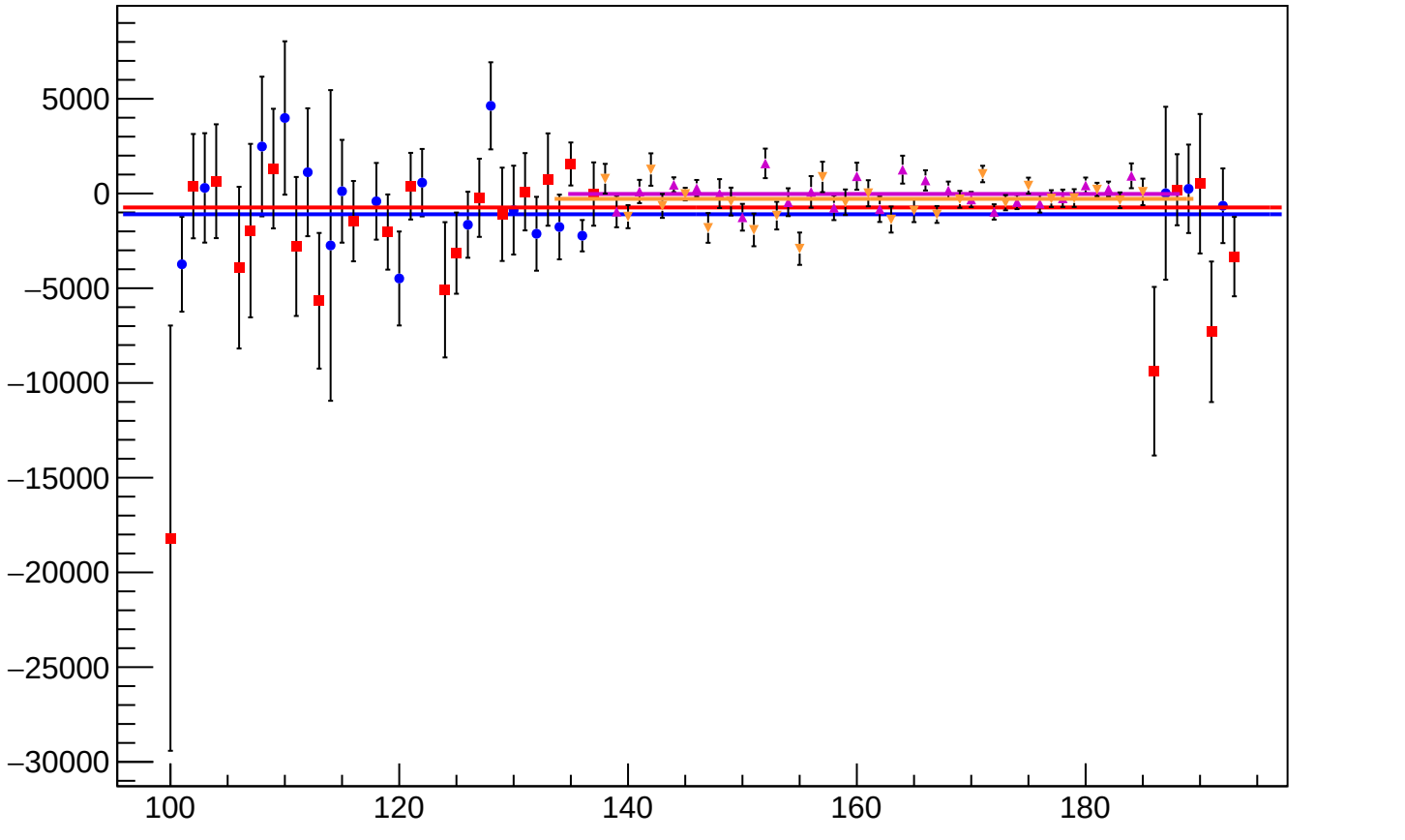
Right Out: 157.065+/-0.038 χ^2/NDF: 2541530.1/23

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 104.862+/-0.015 χ^2/NDF: 4289274.4/43

All: 105.773+/-0.010 χ^2/NDF: 9656943.2/90

- sign 106.733+/-0.015 χ^2/NDF: 5359675.3/46



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: -736.753+/-479.287 χ^2/NDF: 23.4/23

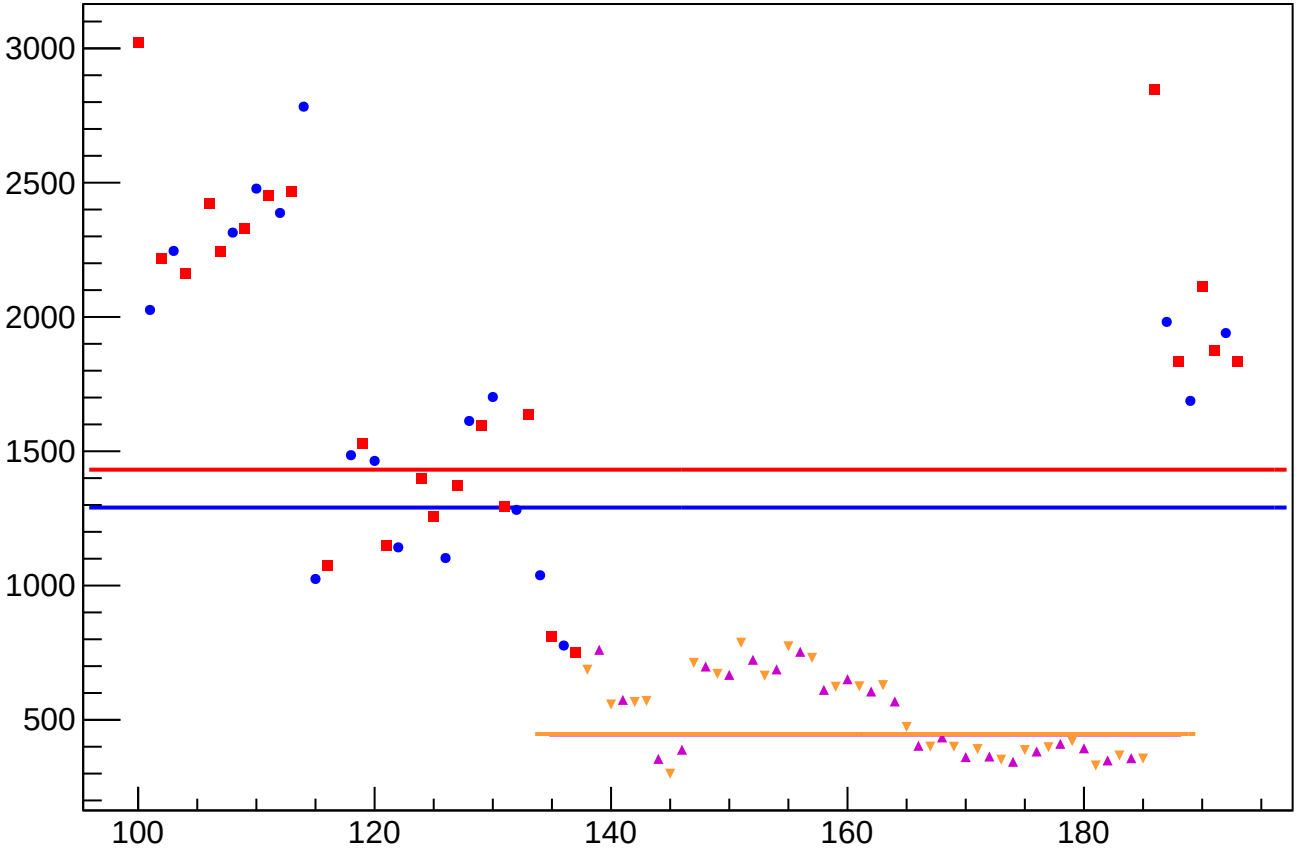
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -322.961+/-103.711 χ^2/NDF: 69.8/43

All: -194.364+/-74.192 χ^2/NDF: 131.4/90

- sign -59.575+/-106.178 χ^2/NDF: 58.5/46

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: 1431.510+/-0.339 χ^2/NDF: 2530957.0/23

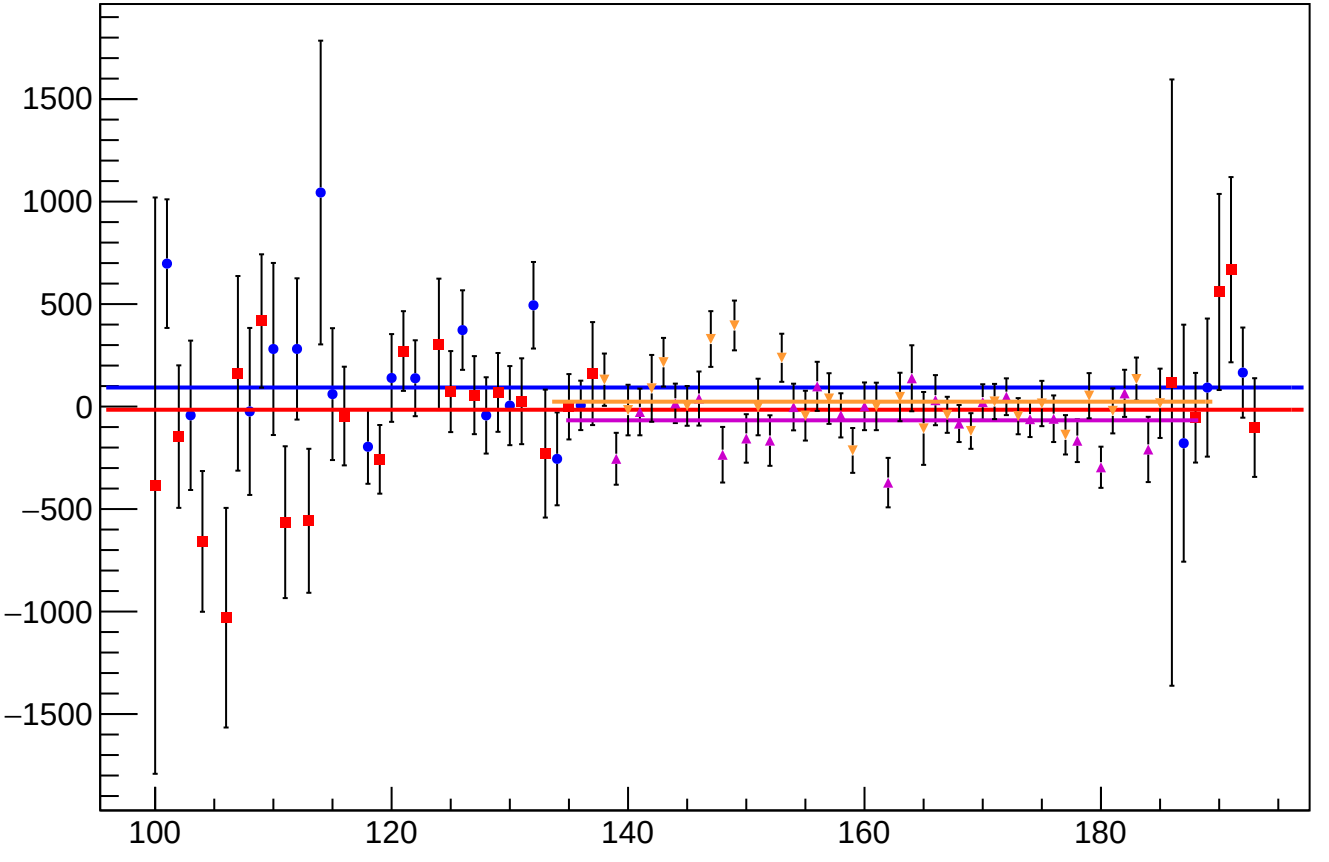
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

\+ sign 489.376+/-0.073 χ^2/NDF: 11769171.0/43

All: 491.576+/-0.052 χ^2/NDF: 25064506.6/90

\- sign 493.882+/-0.075 χ^2/NDF: 13293492.1/46

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: -15.455+/-53.037 χ^2/NDF: 24.5/23

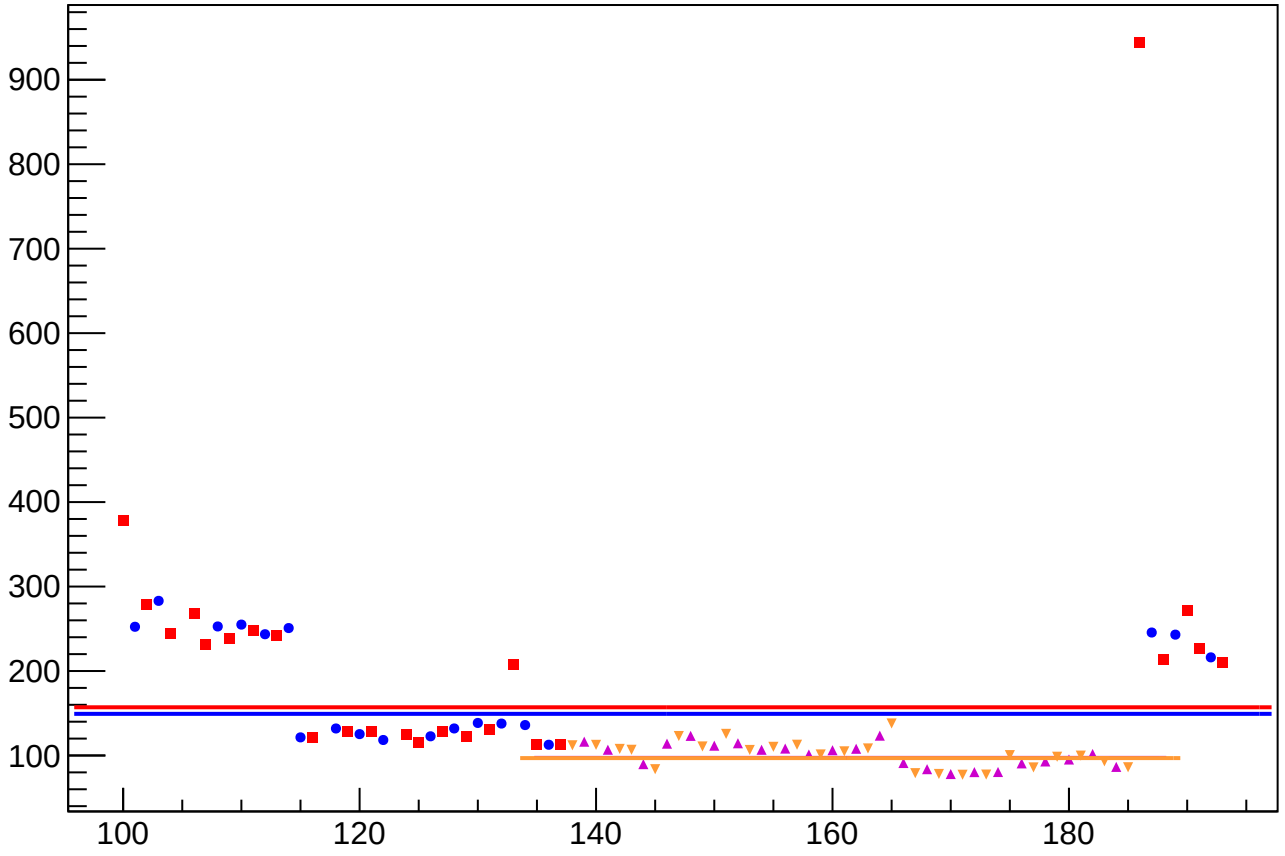
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 34.373+/-20.642 χ^2/NDF: 55.0/43

All: -11.003+/-14.788 χ^2/NDF: 118.9/90

- sign -58.840+/-21.195 χ^2/NDF: 53.9/46

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

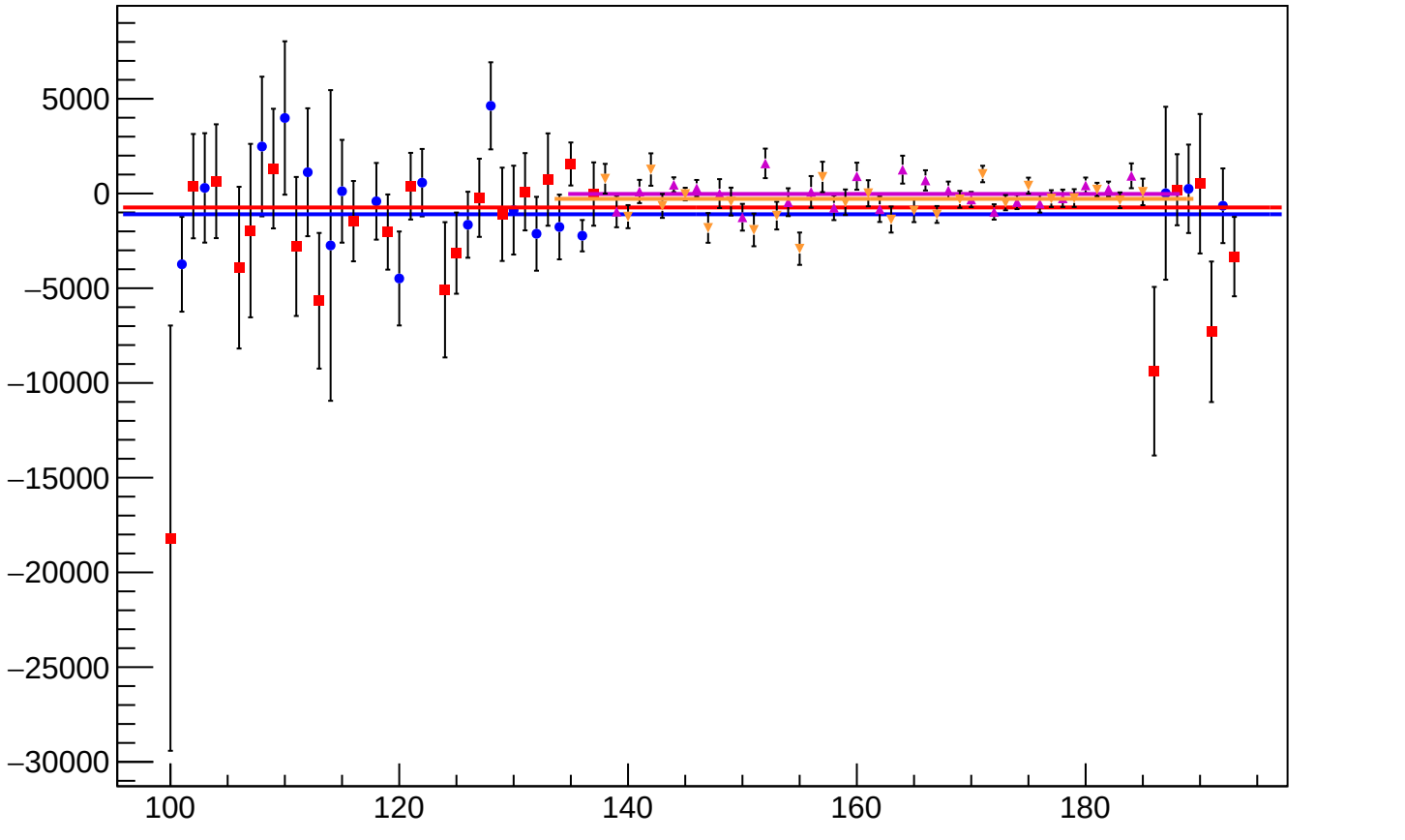
Right Out: 157.065+/-0.038 χ^2/NDF: 2541520.2/23

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 104.863+/-0.015 χ^2/NDF: 4289218.7/43

All: 105.773+/-0.010 χ^2/NDF: 9656822.8/90

- sign 106.733+/-0.015 χ^2/NDF: 5359609.7/46



Right In: -1096.360+/-464.713 χ^2/NDF: 16.4/18

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

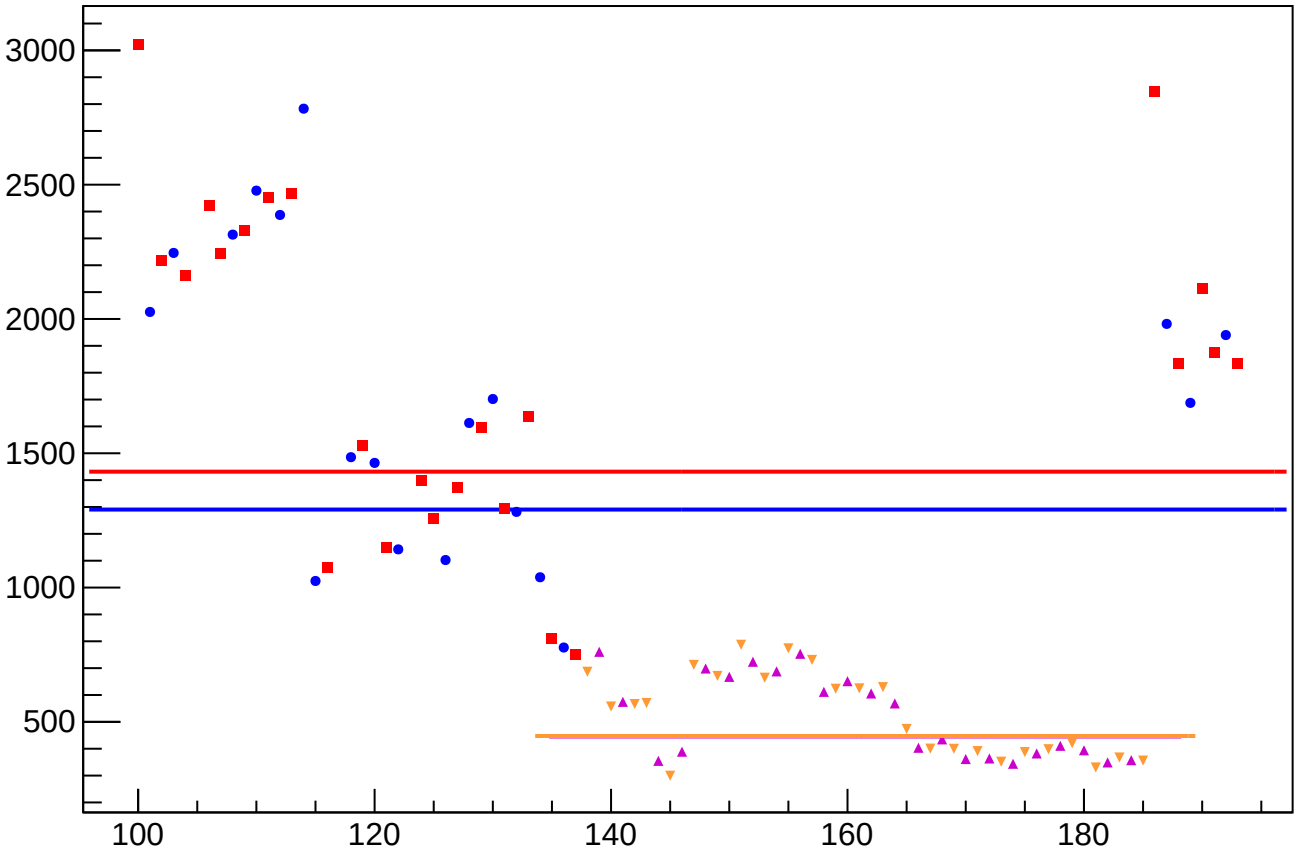
Right Out: -736.754+/-479.286 χ^2/NDF: 23.4/23

Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -322.960+/-103.711 χ^2/NDF: 69.8/43

All: -194.363+/-74.192 χ^2/NDF: 131.4/90

- sign -59.575+/-106.178 χ^2/NDF: 58.5/46



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: 1431.509+/-0.339 χ^2/NDF: 2530940.6/23

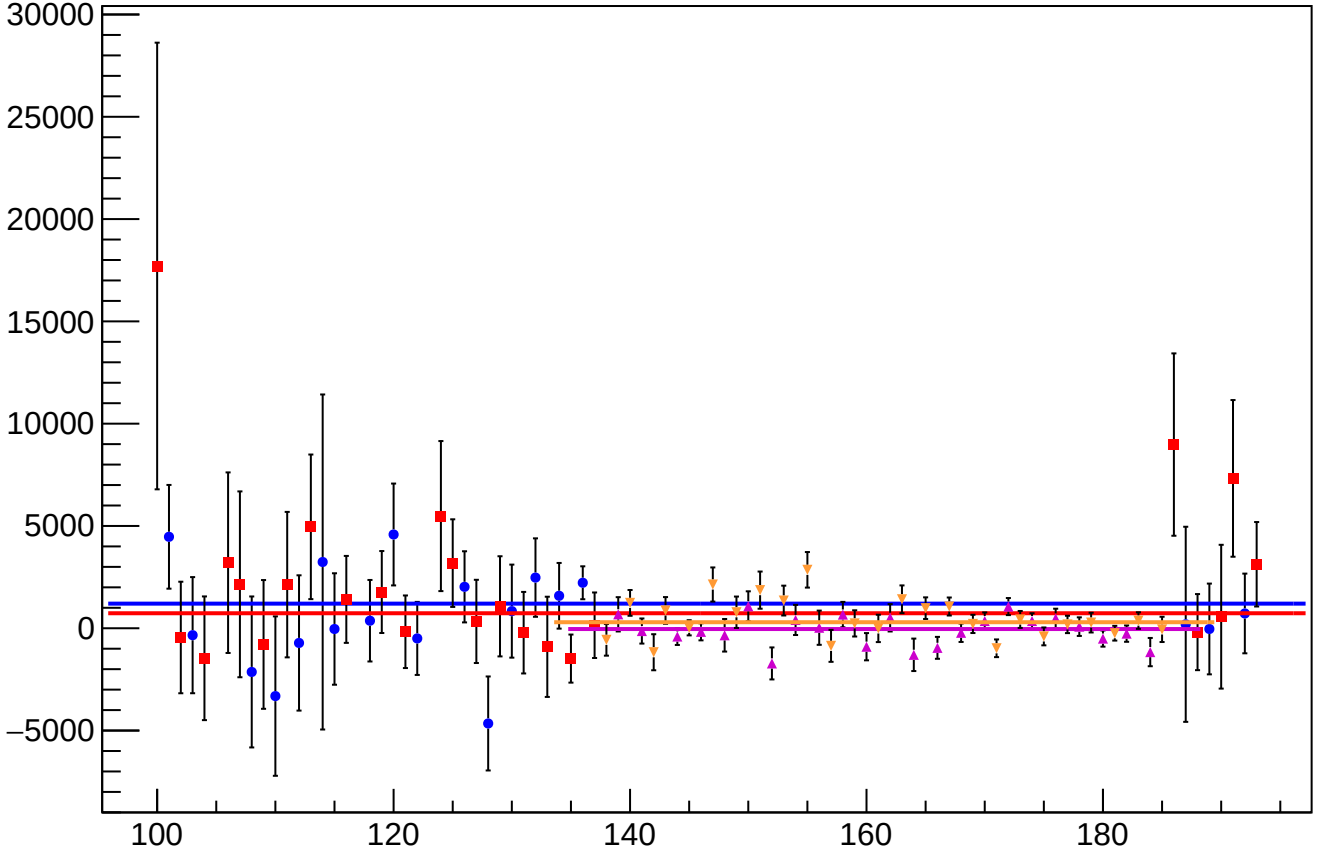
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 489.376+/-0.073 χ^2/NDF: 11769184.5/43

All: 491.576+/-0.052 χ^2/NDF: 25064520.7/90

- sign 493.882+/-0.075 χ^2/NDF: 13293492.7/46

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: 733.590+/-479.008 χ^2/NDF: 21.4/23

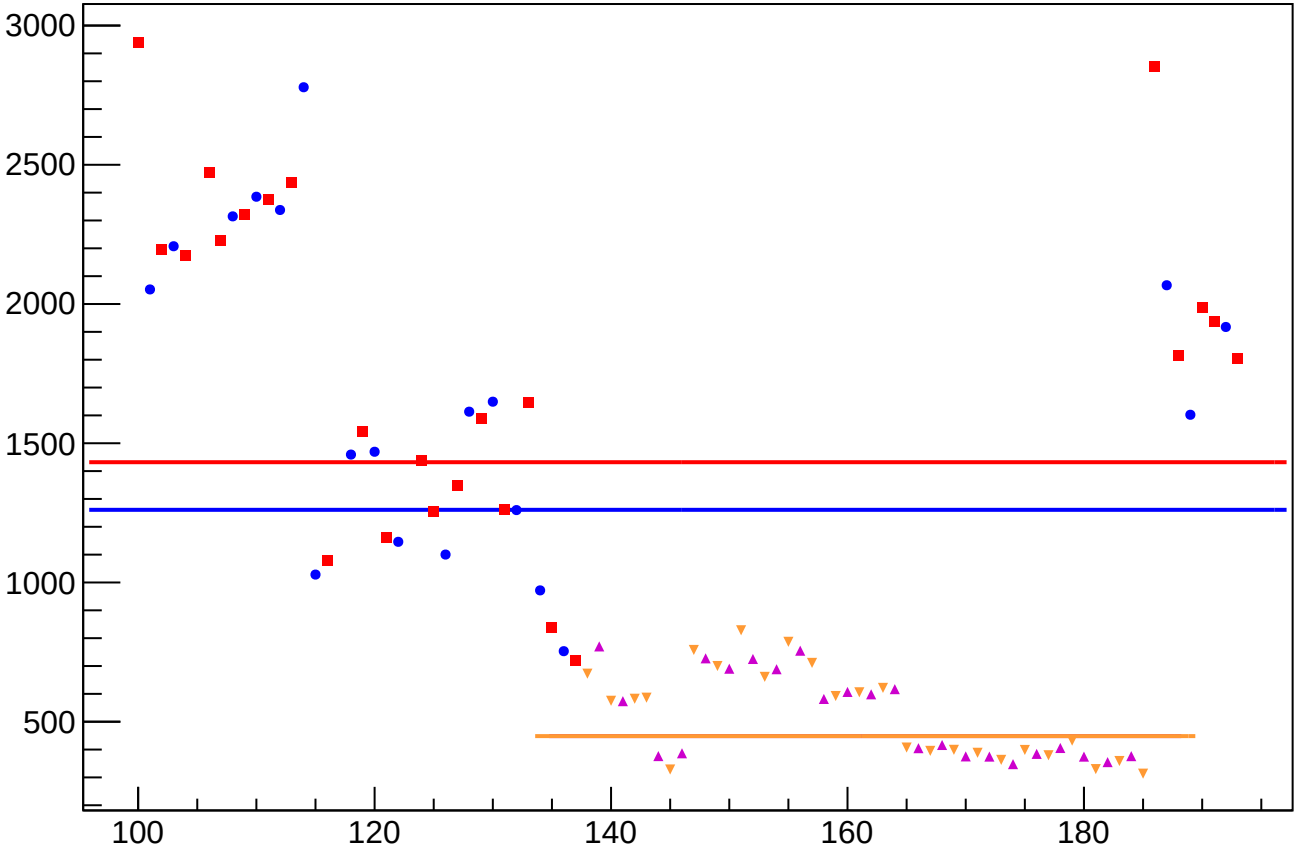
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 342.317+/-103.991 χ^2/NDF: 71.2/43

All: 175.405+/-74.430 χ^2/NDF: 133.3/90

- sign 0.094+/-106.575 χ^2/NDF: 56.8/46

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

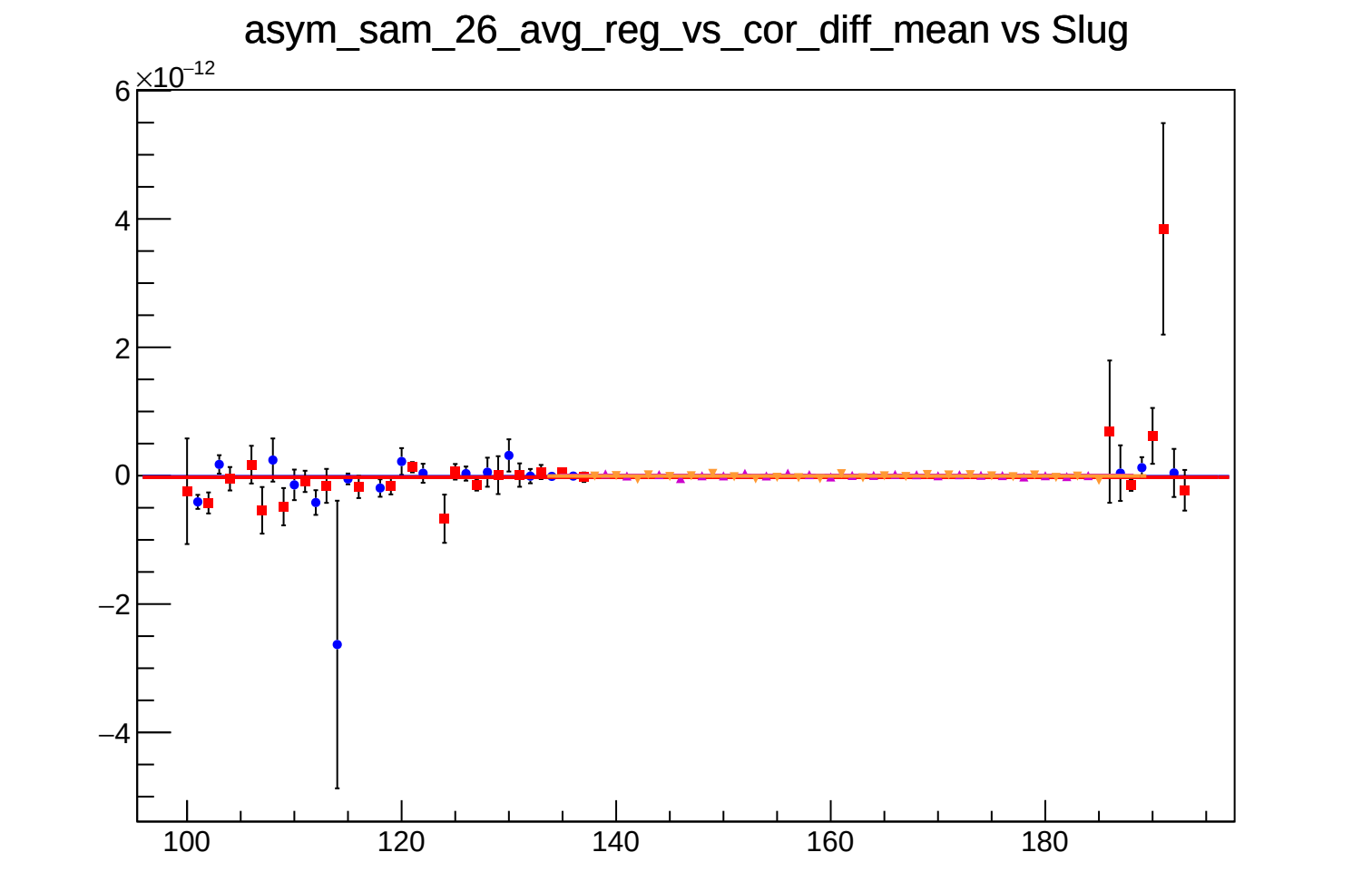
Right Out: 1431.915+/-0.339 χ^2/NDF: 2457264.9/23

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 490.600+/-0.074 χ^2/NDF: 11585658.7/43

All: 493.762+/-0.053 χ^2/NDF: 24681671.0/90

- sign 497.084+/-0.075 χ^2/NDF: 13092220.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 27.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

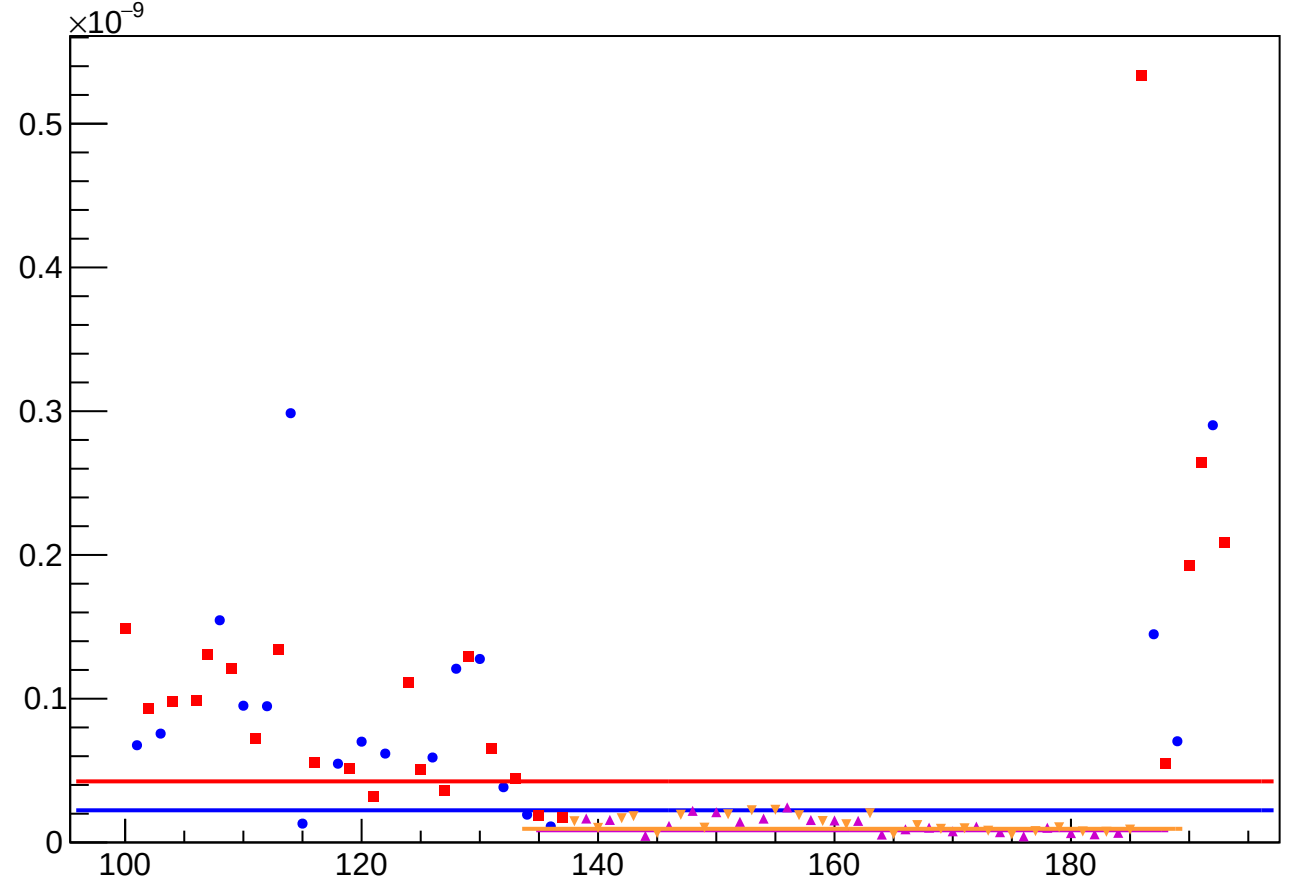
Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/23

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: 107.6/90

- sign 0.000+/-0.000 χ^2/NDF: 53.9/46



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: 3360991.2/23

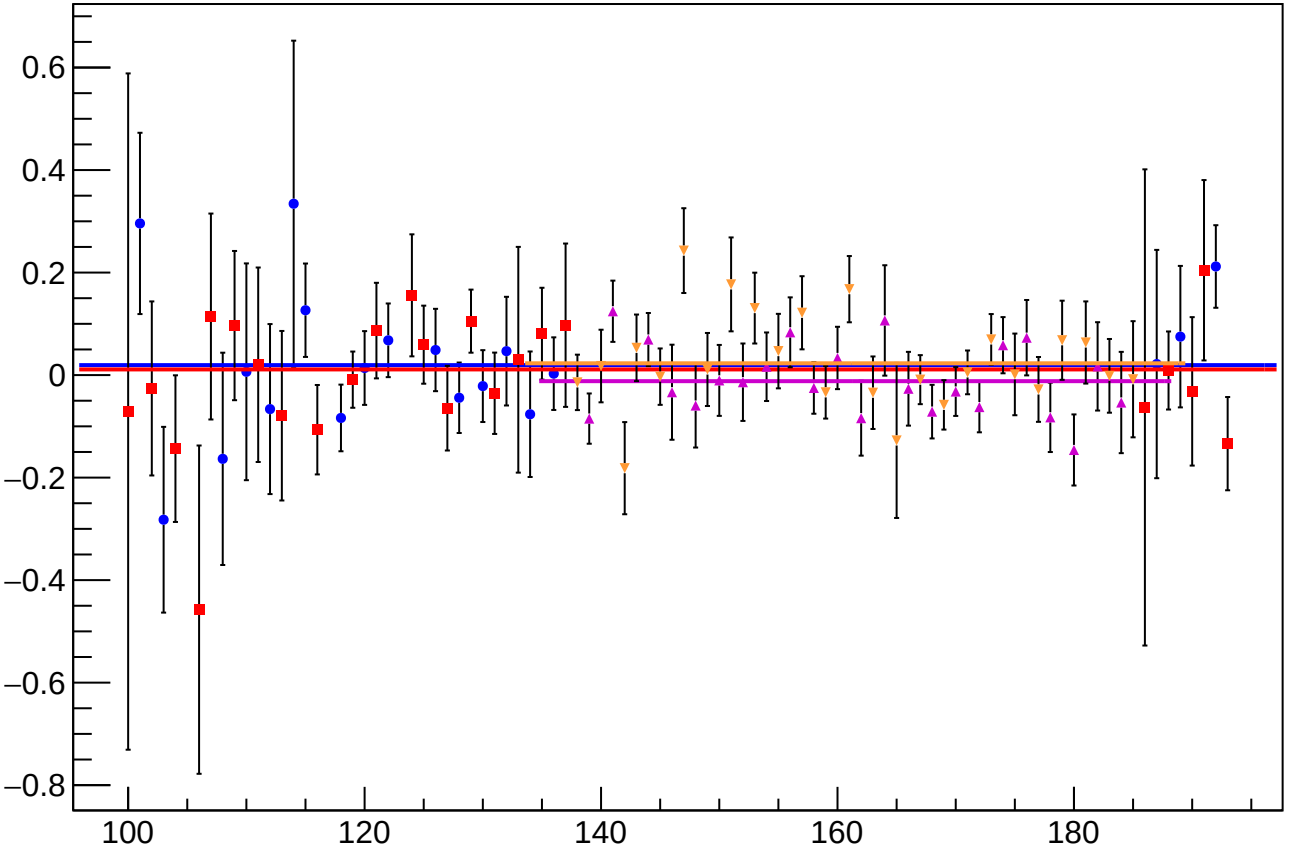
Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8182797.5/43

All: 0.000+/-0.000 χ^2/NDF: 17638726.3/90

- sign 0.000+/-0.000 χ^2/NDF: 9395968.2/46

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



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: 0.011+/-0.021 χ^2/NDF: 17.1/23

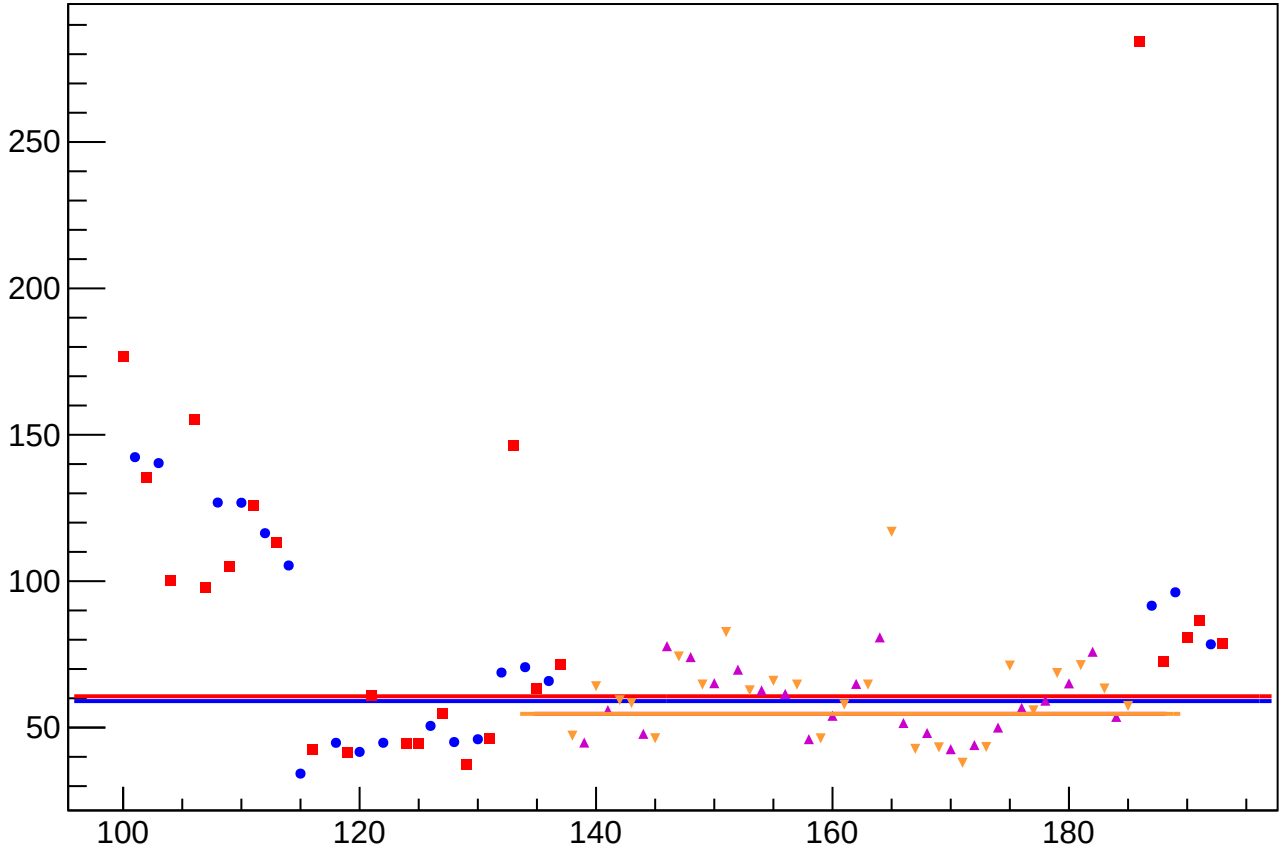
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 53.7/43

All: 0.008+/-0.008 χ^2/NDF: 100.5/90

- sign -0.006+/-0.011 χ^2/NDF: 43.8/46

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

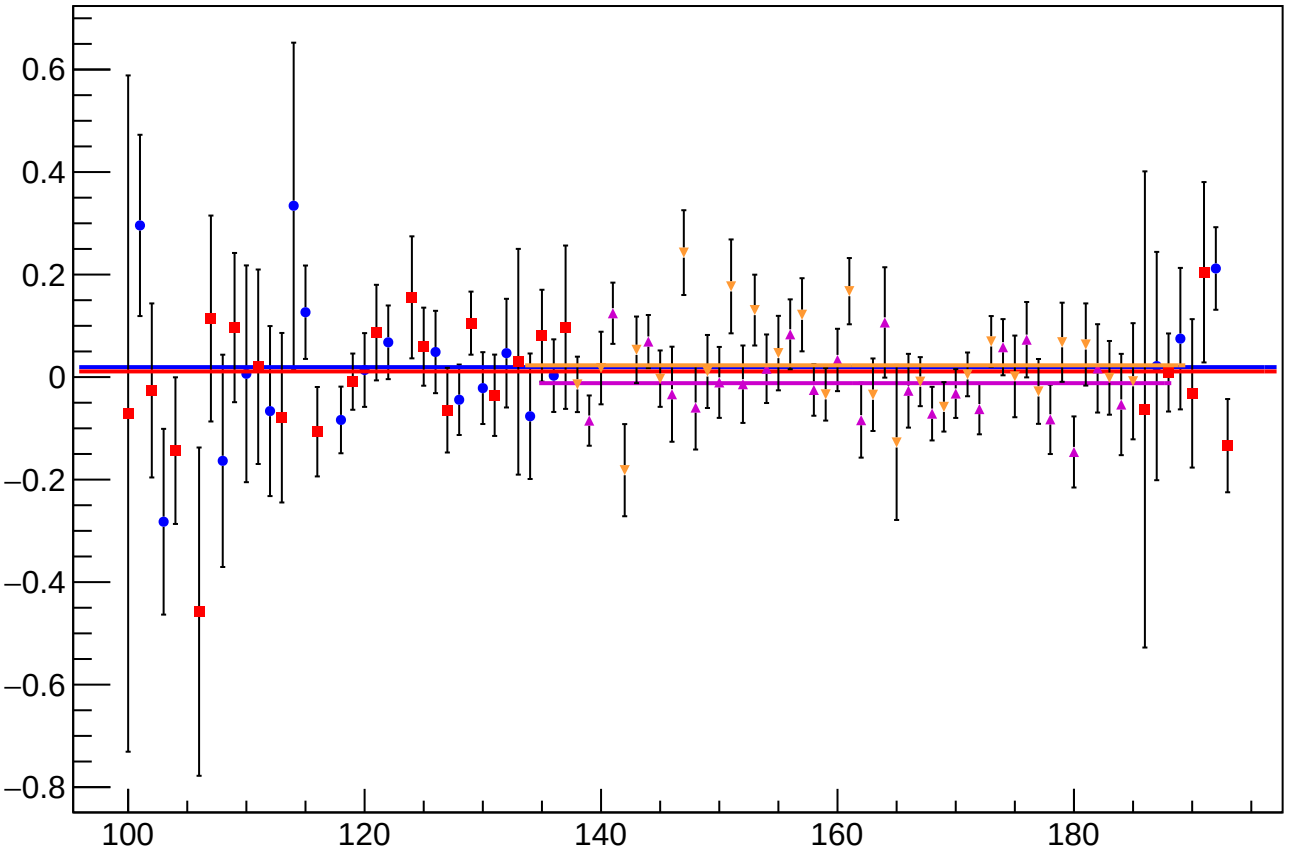
Right Out: 60.684+/-0.015 χ^2/NDF: 3282025.4/23

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 55.797+/-0.008 χ^2/NDF: 4512479.4/43

All: 56.072+/-0.006 χ^2/NDF: 9101293.2/90

- sign 56.353+/-0.008 χ^2/NDF: 4586358.6/46



Right In: 0.019+/-0.022 χ^2/NDF: 19.5/18

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

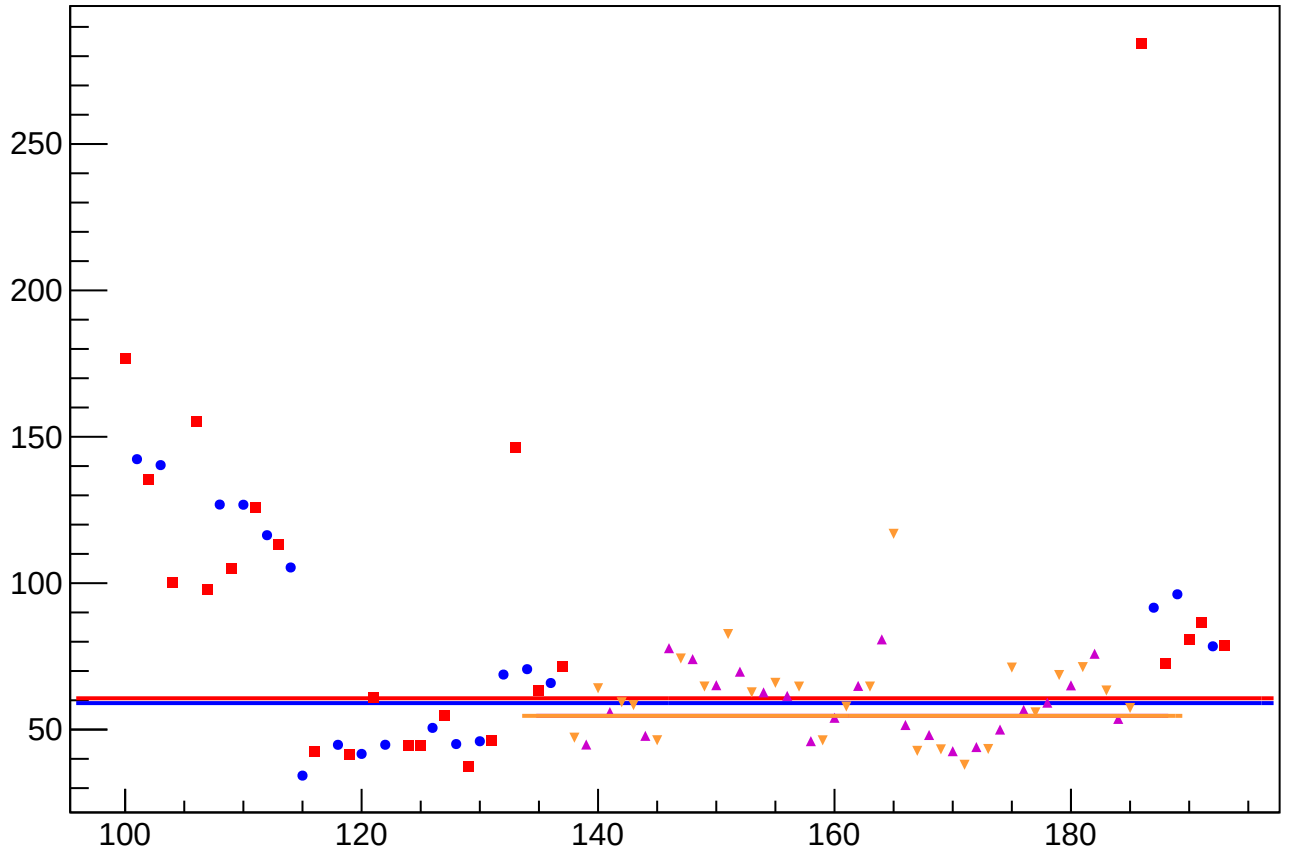
Right Out: 0.011+/-0.021 χ^2/NDF: 17.1/23

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 53.7/43

All: 0.008+/-0.008 χ^2/NDF: 100.5/90

- sign -0.006+/-0.011 χ^2/NDF: 43.8/46



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: 60.684+/-0.015 χ^2/NDF: 3282025.4/23

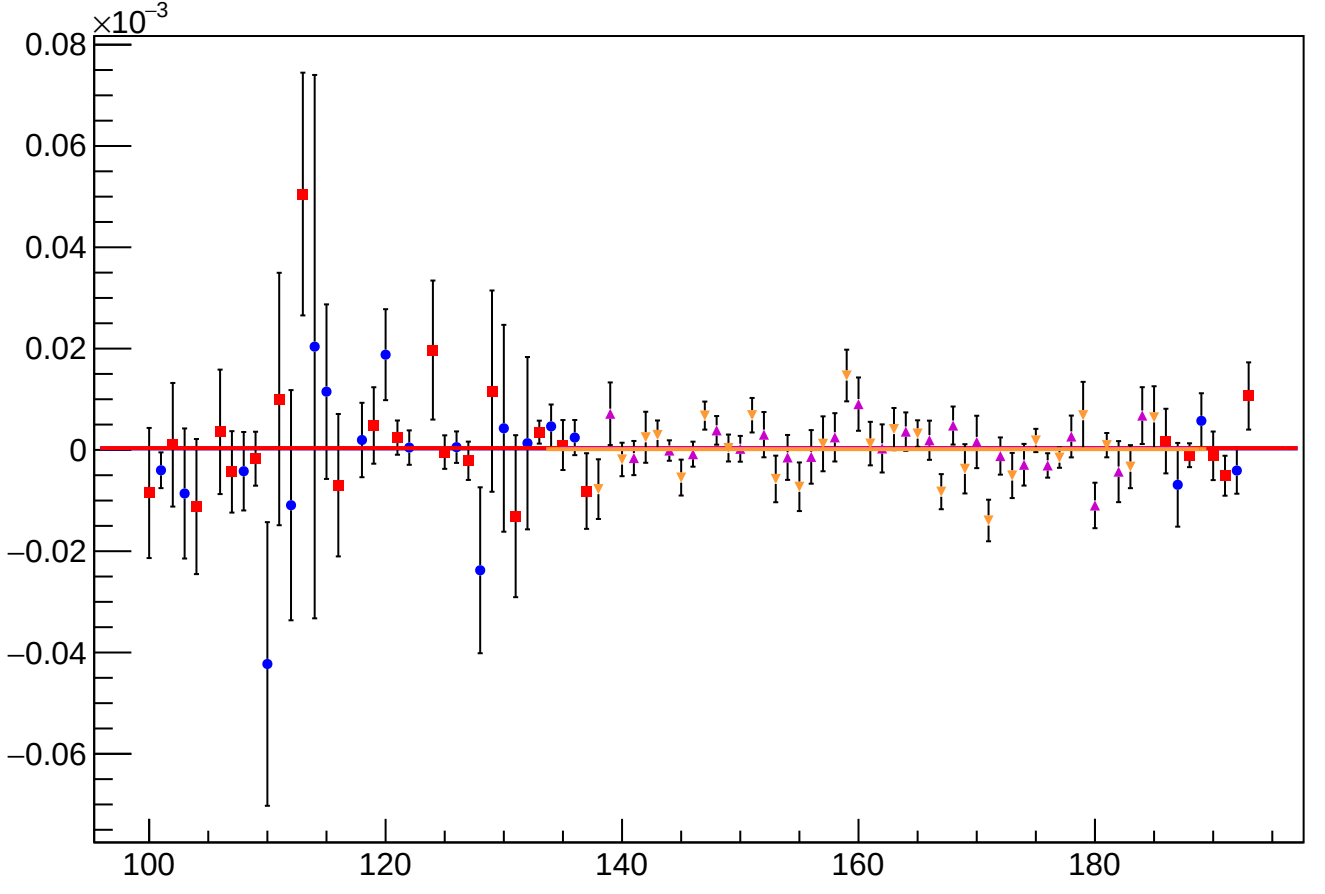
Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 55.797+/-0.008 χ^2/NDF: 4512479.4/43

All: 56.072+/-0.006 χ^2/NDF: 9101293.2/90

- sign 56.353+/-0.008 χ^2/NDF: 4586358.6/46

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: 18.9/23

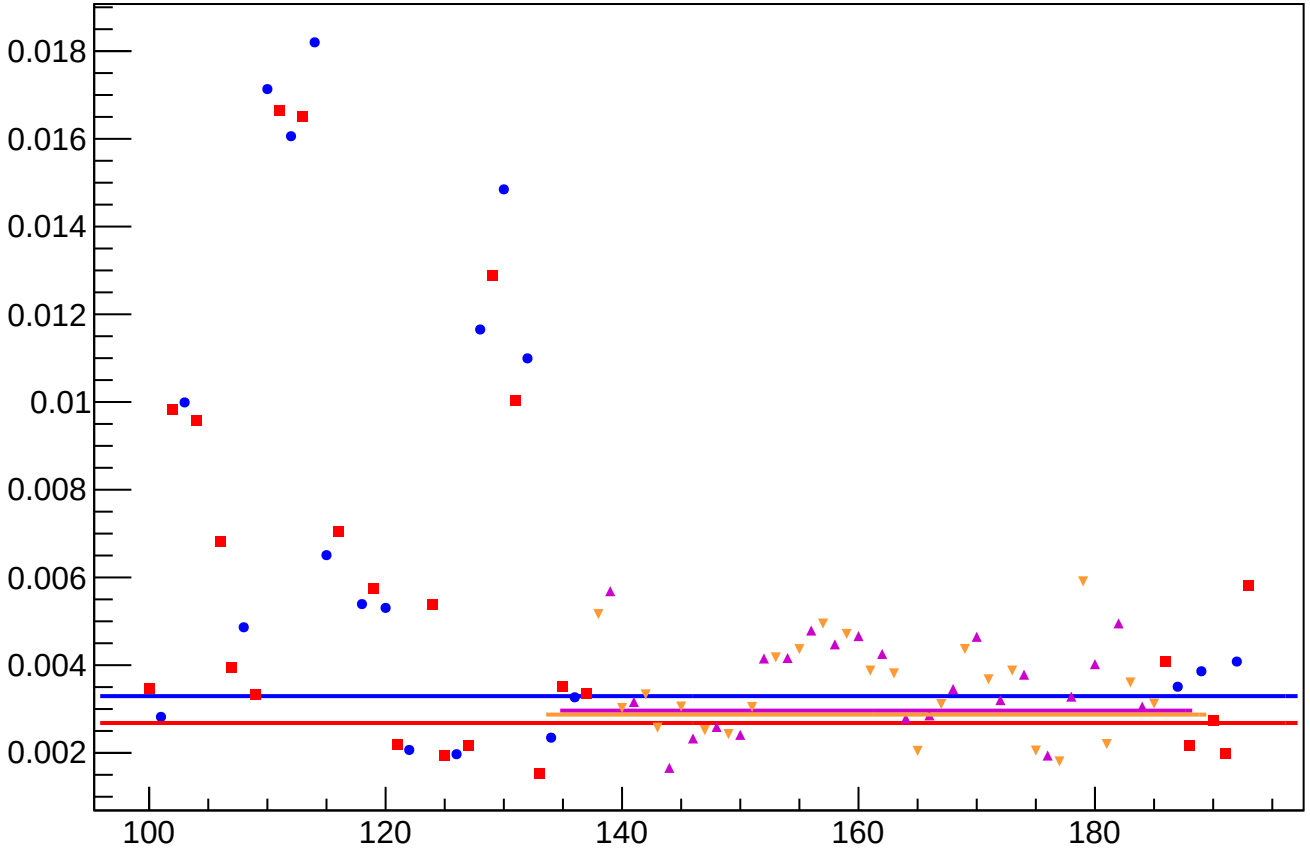
Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.7/43

All: 0.000+/-0.000 χ^2/NDF: 109.4/90

- sign 0.000+/-0.000 χ^2/NDF: 39.6/46

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4643216.0/18

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

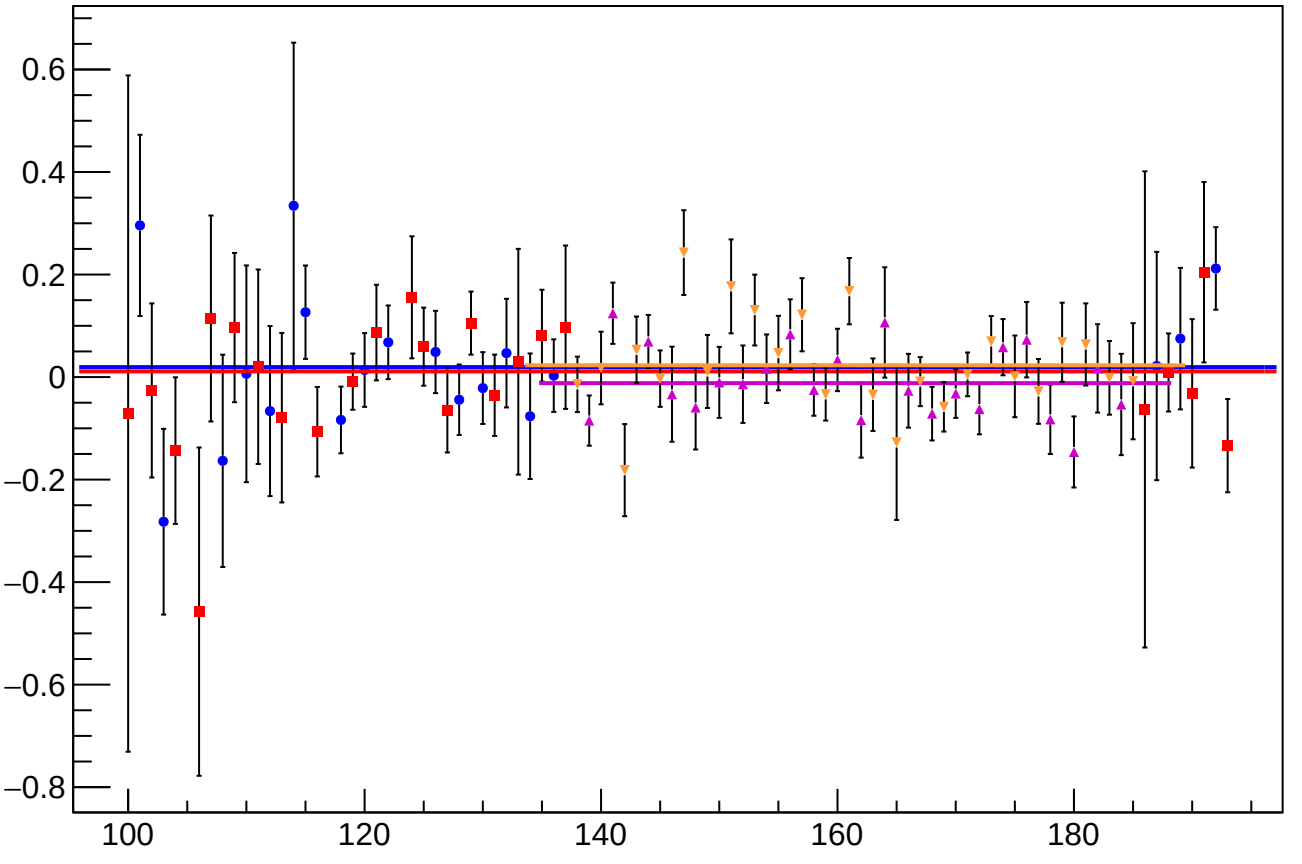
Right Out: 0.003+/-0.000 χ^2/NDF: 5849879.6/23

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 8405283.7/43

All: 0.003+/-0.000 χ^2/NDF: 17999136.1/90

- sign 0.003+/-0.000 χ^2/NDF: 9567901.3/46



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: 0.011+/-0.021 χ^2/NDF: 17.1/23

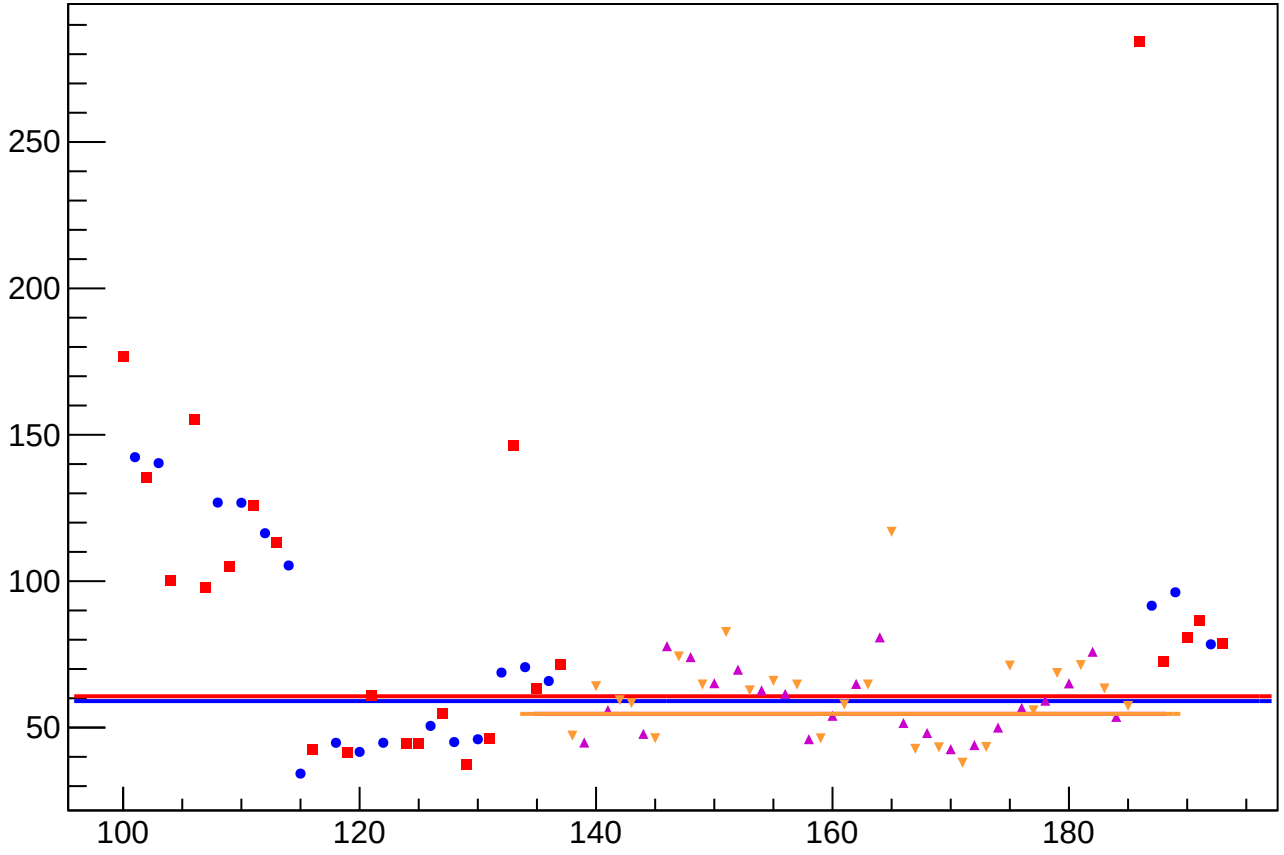
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 53.7/43

All: 0.008+/-0.008 χ^2/NDF: 100.5/90

- sign -0.006+/-0.011 χ^2/NDF: 43.8/46

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.038+/-0.016 χ^2/NDF: 2518027.3/18

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

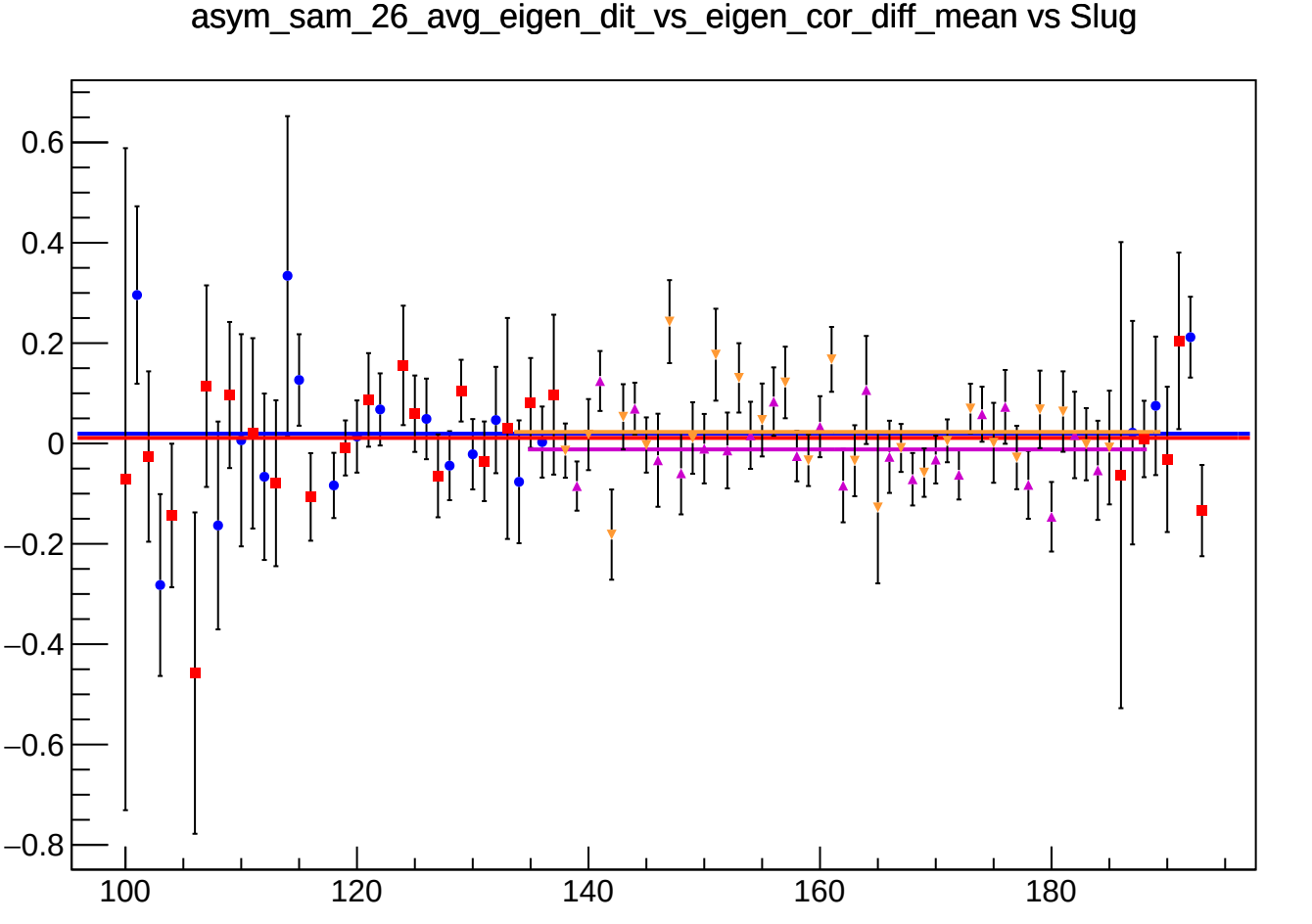
Right Out: 60.683+/-0.015 χ^2/NDF: 3281984.4/23

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 55.797+/-0.008 χ^2/NDF: 4512415.1/43

All: 56.072+/-0.006 χ^2/NDF: 9101115.7/90

- sign 56.353+/-0.008 χ^2/NDF: 4586245.1/46



Right In: 0.019+/-0.022 χ^2/NDF: 19.5/18

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

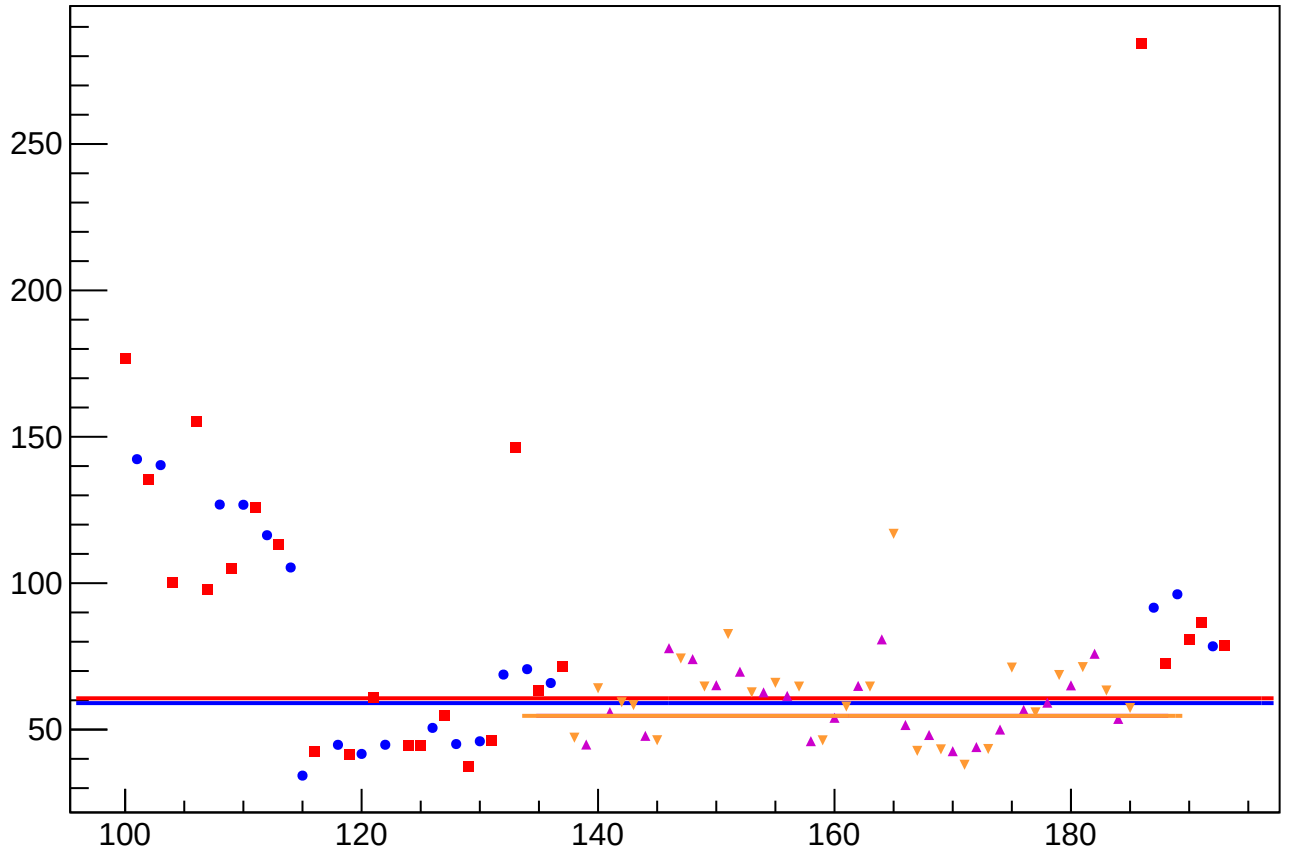
Right Out: 0.011+/-0.021 χ^2/NDF: 17.1/23

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 53.7/43

All: 0.008+/-0.008 χ^2/NDF: 100.5/90

- sign -0.006+/-0.011 χ^2/NDF: 43.8/46



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: 60.683+/-0.015 χ^2/NDF: 3281984.4/23

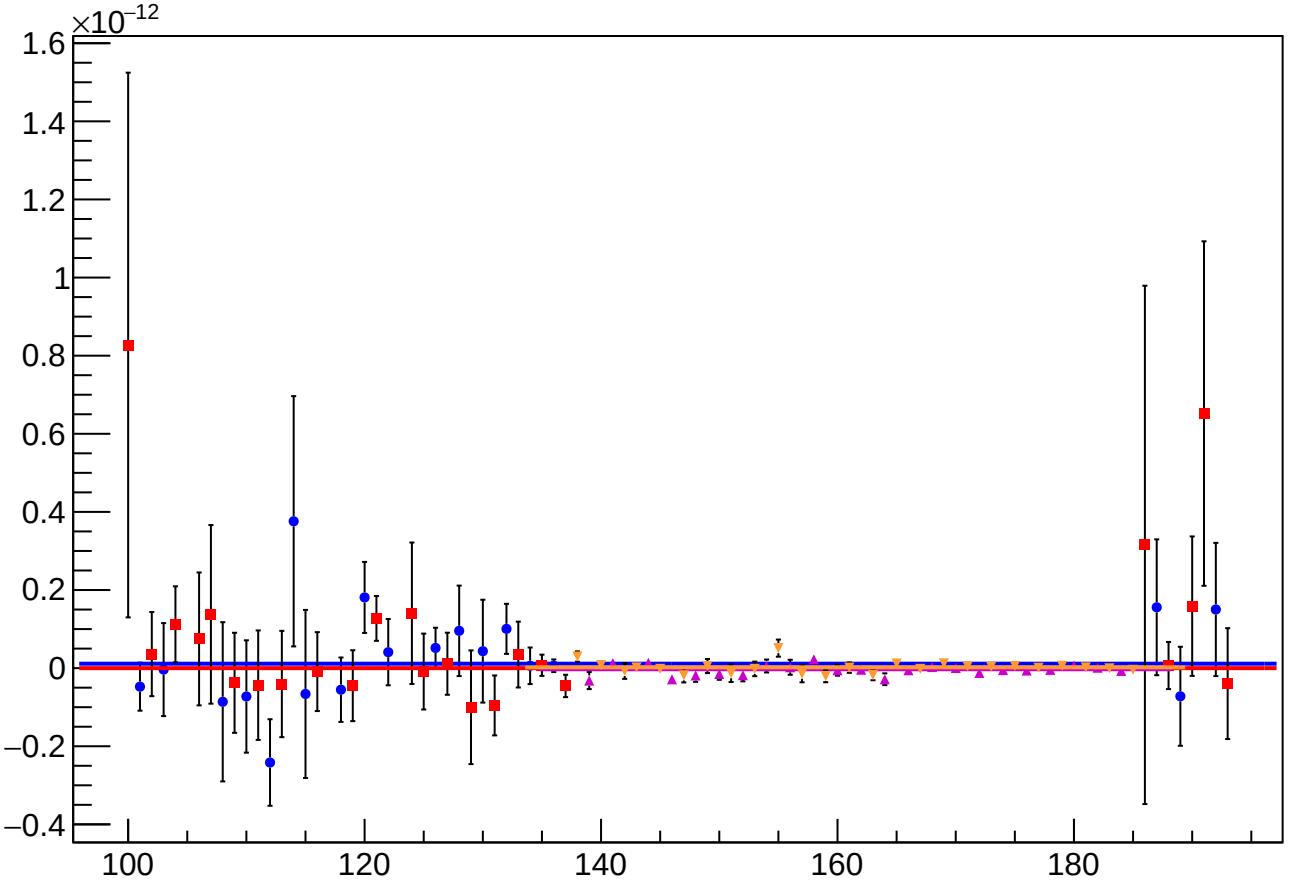
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 55.797+/-0.008 χ^2/NDF: 4512415.1/43

All: 56.072+/-0.006 χ^2/NDF: 9101115.7/90

- sign 56.353+/-0.008 χ^2/NDF: 4586245.1/46

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

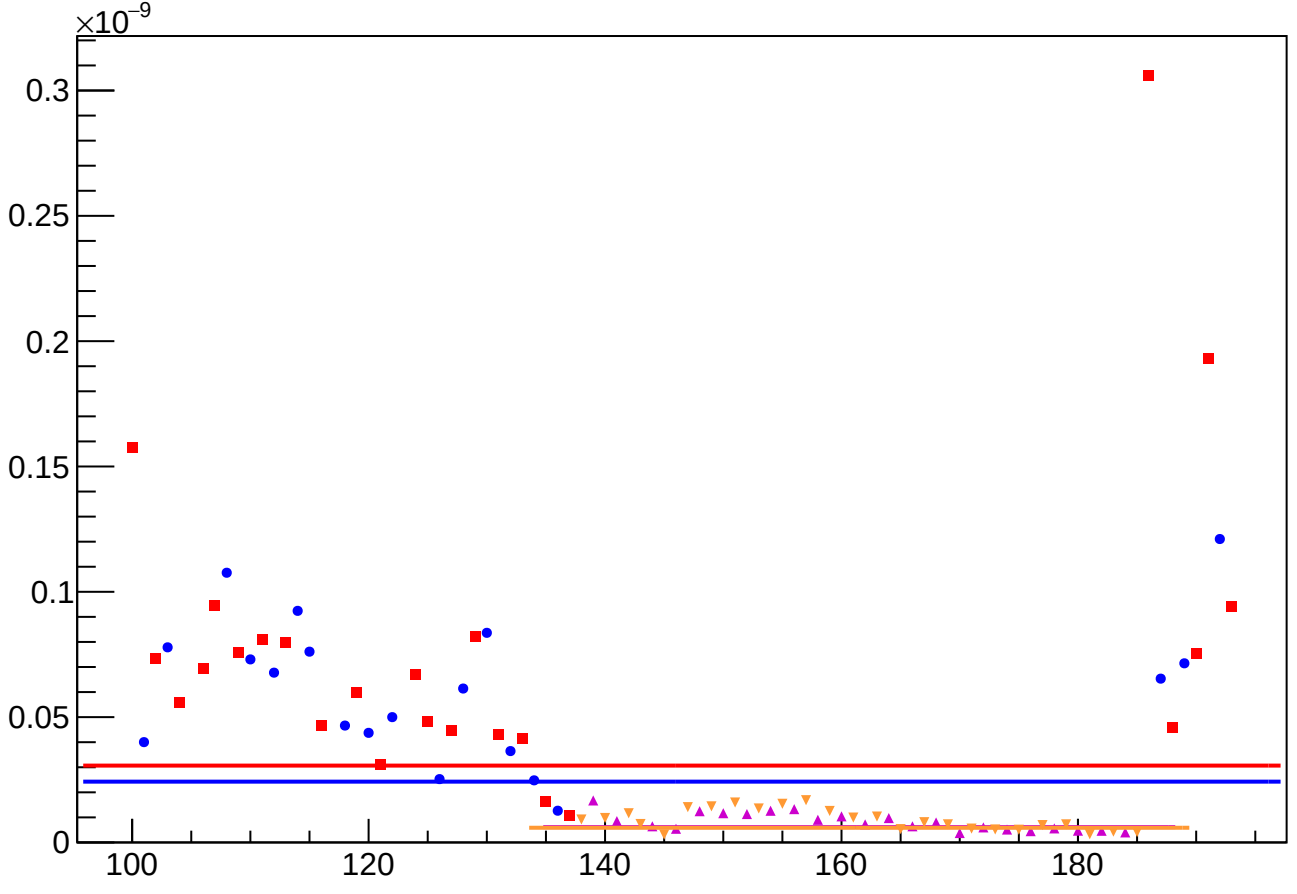
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/23

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: 93.1/90

- sign -0.000+/-0.000 χ^2/NDF: 50.7/46



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: 5134565.8/23

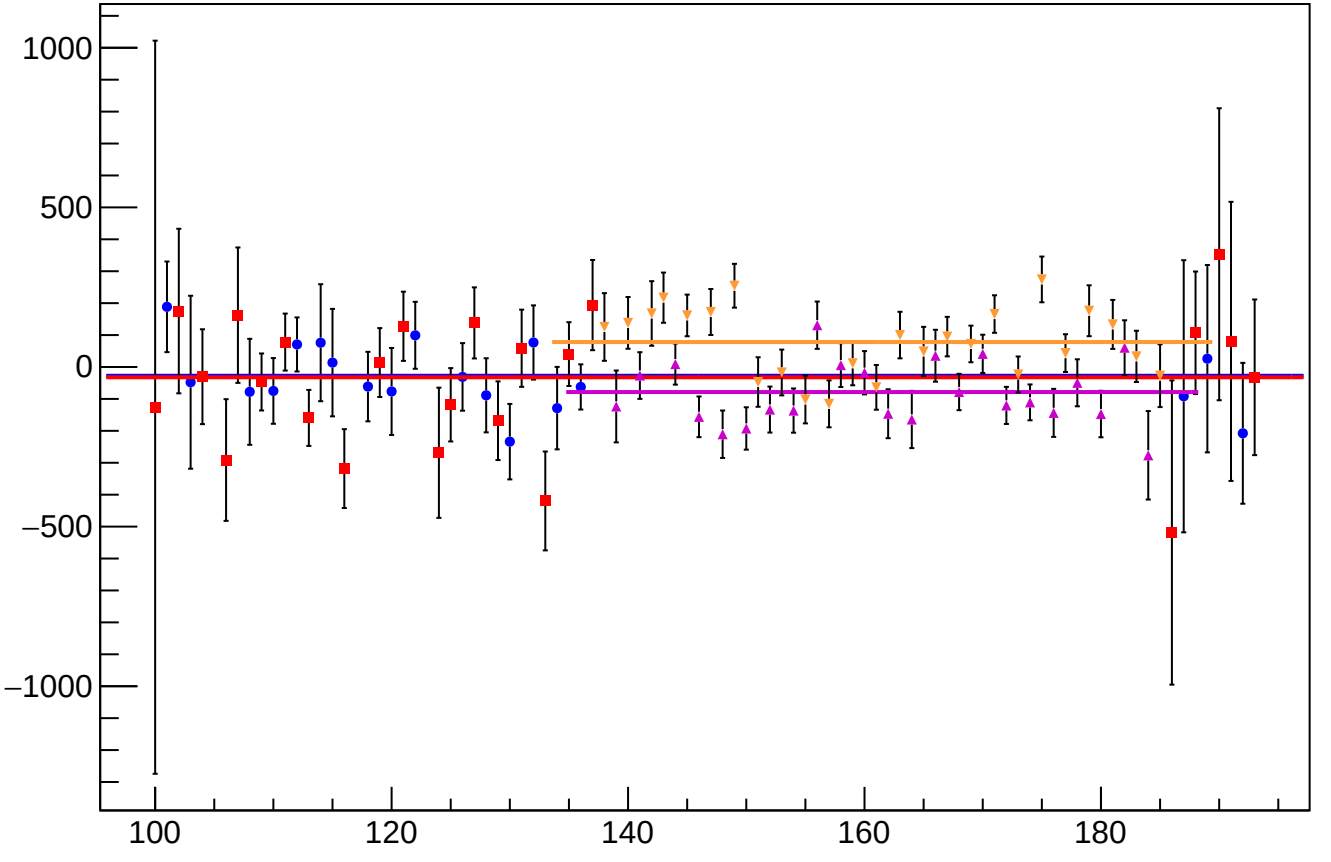
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14358023.8/43

All: 0.000+/-0.000 χ^2/NDF: 28184722.5/90

- sign 0.000+/-0.000 χ^2/NDF: 13802933.3/46

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+/-27.805 χ^2/NDF: 32.4/23

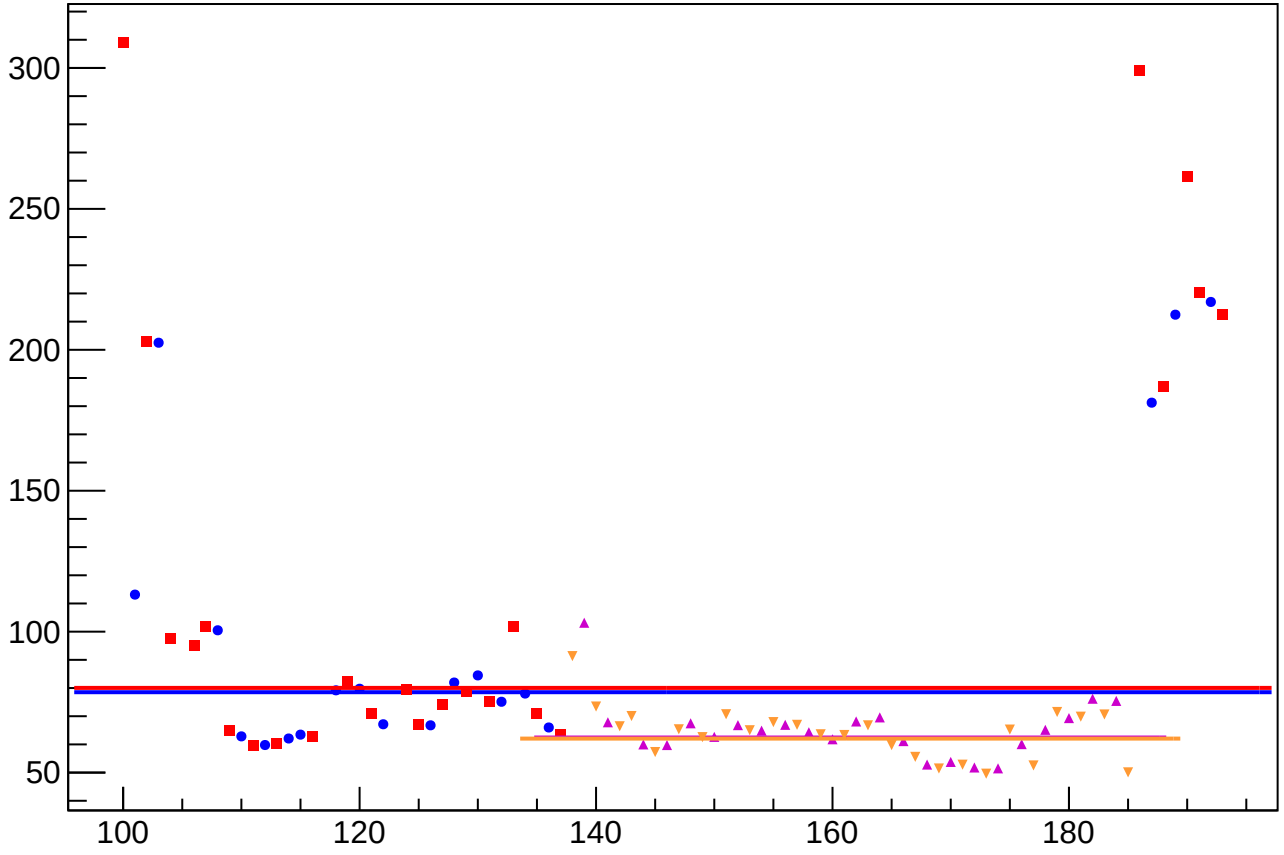
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.809+/-12.797 χ^2/NDF: 76.6/43

All: -4.407+/-9.145 χ^2/NDF: 194.6/90

- sign -68.288+/-13.072 χ^2/NDF: 71.3/46

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

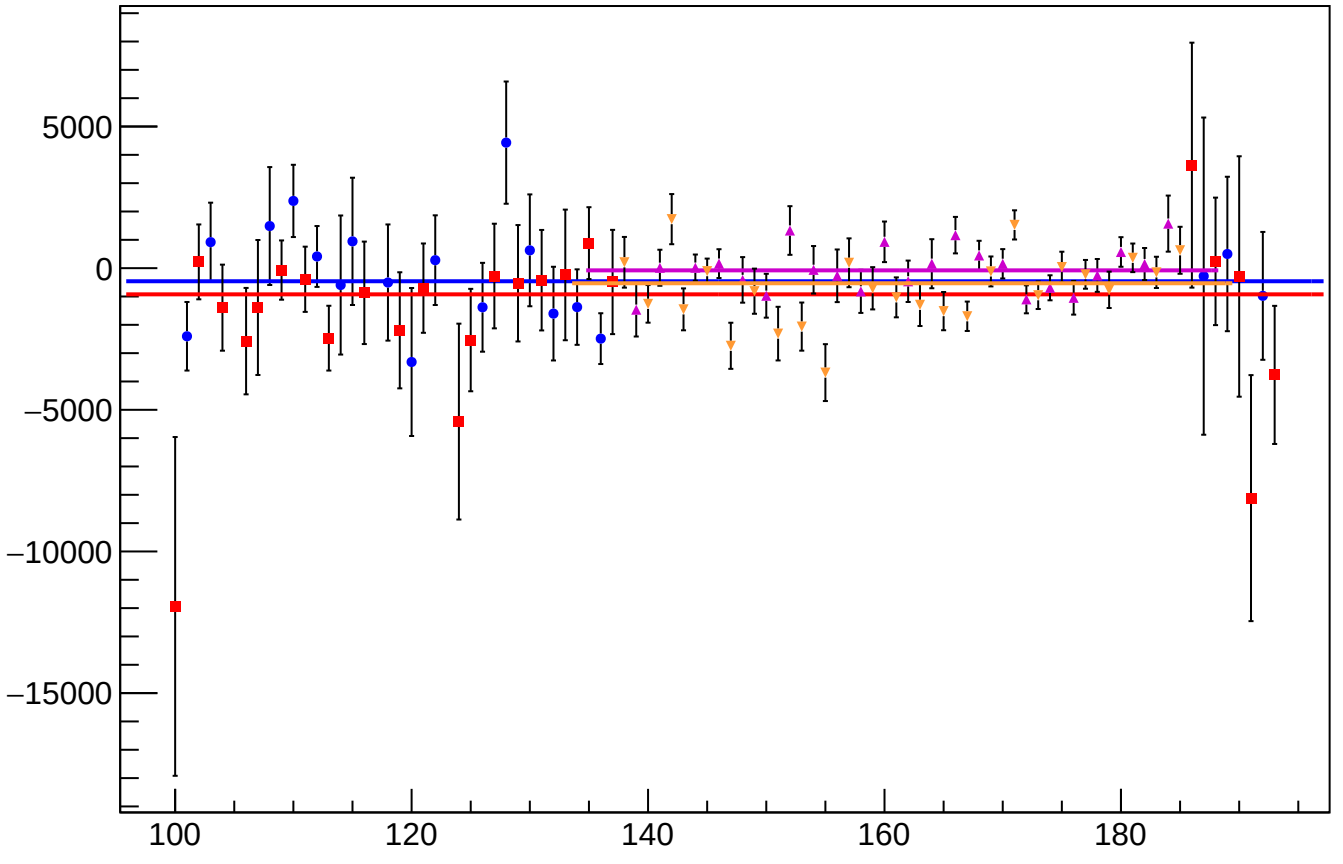
Right Out: 80.048+/-0.020 χ^2/NDF: 3182365.6/23

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 65.388+/-0.009 χ^2/NDF: 3408858.4/43

All: 65.852+/-0.006 χ^2/NDF: 7885653.8/90

- sign 66.336+/-0.009 χ^2/NDF: 4471420.8/46



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: -924.015+/-359.329 χ^2/NDF: 18.6/23

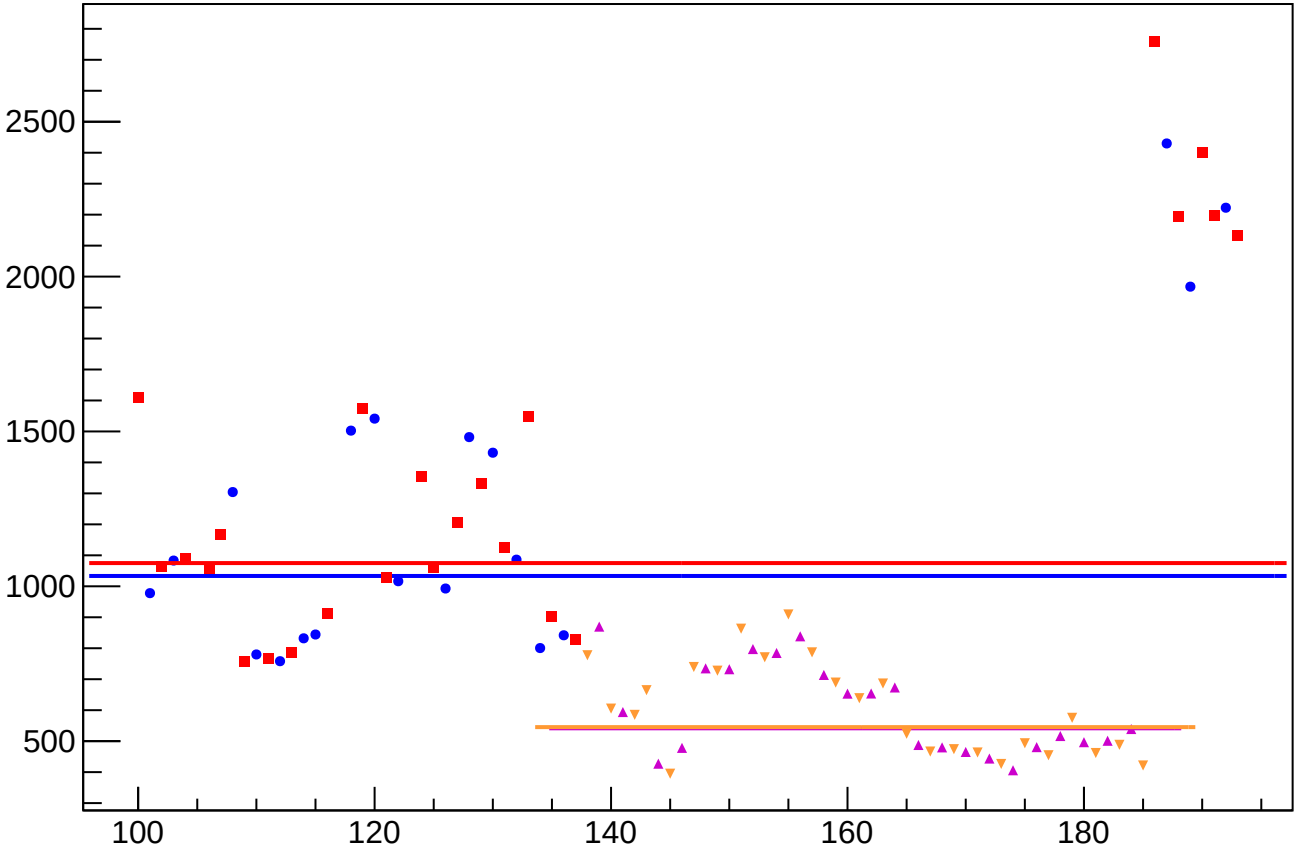
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -525.037+/-120.756 χ^2/NDF: 93.0/43

All: -352.938+/-86.000 χ^2/NDF: 149.0/90

- sign -175.804+/-122.509 χ^2/NDF: 51.8/46

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: 1074.995+/-0.254 χ^2/NDF: 2326830.3/23

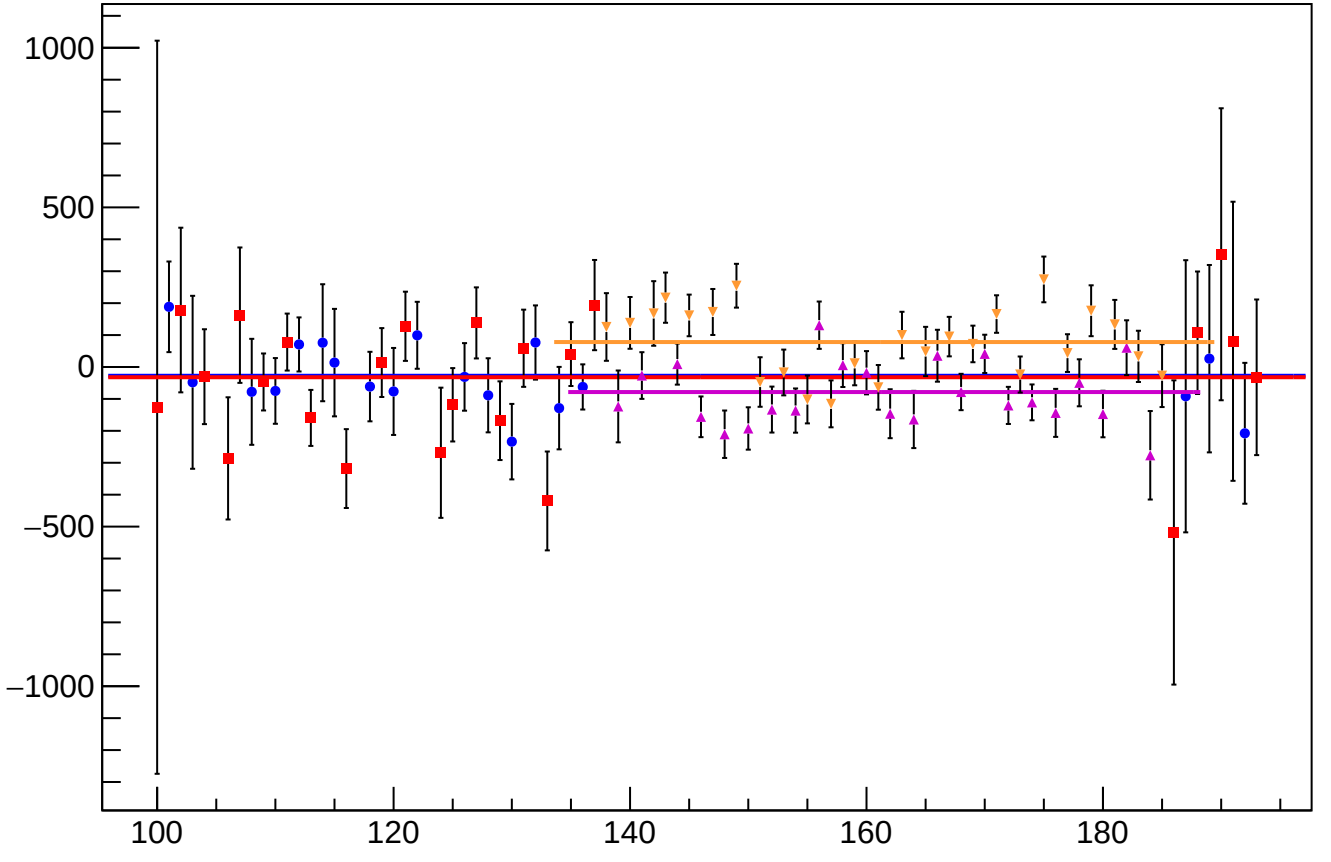
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 598.487+/-0.085 χ^2/NDF: 6952751.8/43

All: 600.945+/-0.061 χ^2/NDF: 15018417.7/90

- sign 603.476+/-0.087 χ^2/NDF: 8063983.8/46

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: -32.086+/-27.807 χ^2/NDF: 32.4/23

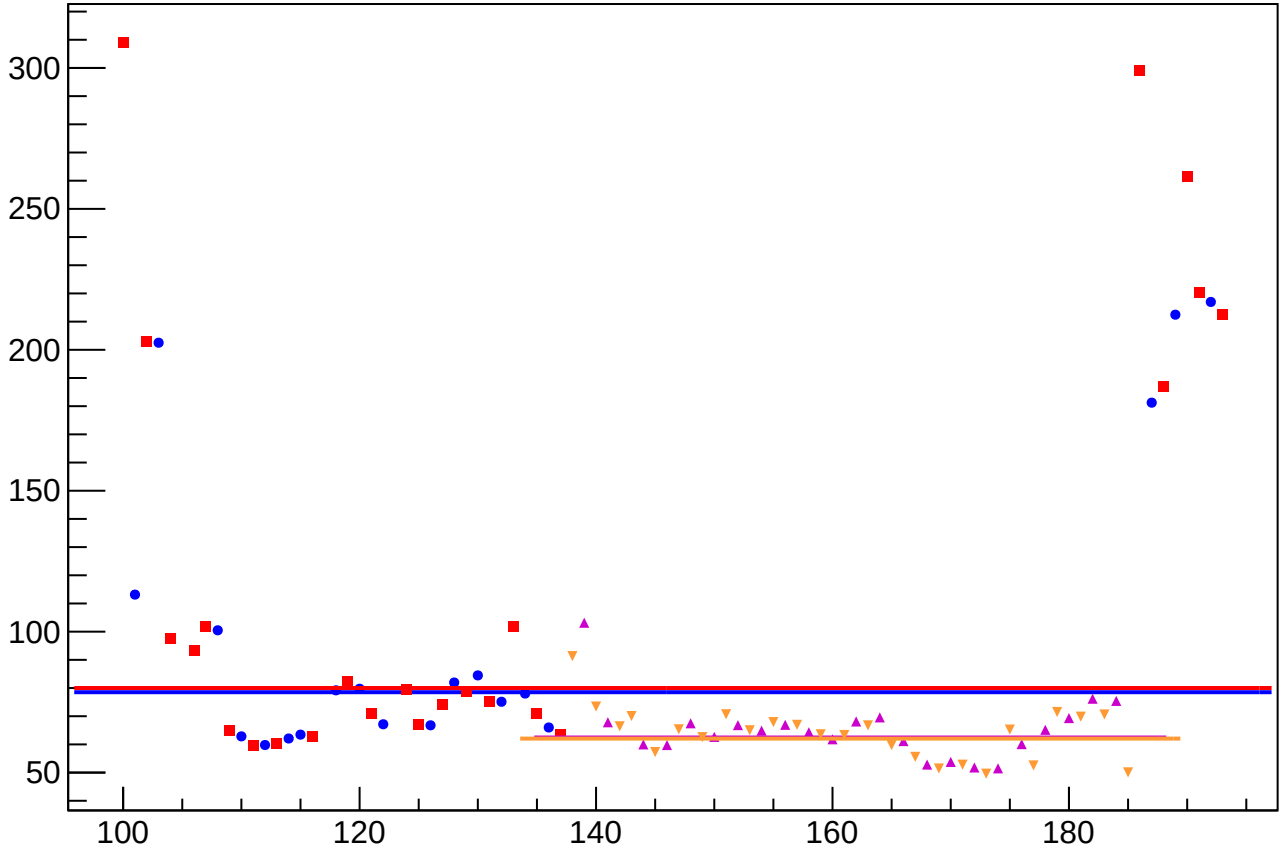
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.810+/-12.797 χ^2/NDF: 76.6/43

All: -4.385+/-9.145 χ^2/NDF: 194.6/90

- sign -68.247+/-13.073 χ^2/NDF: 71.2/46

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

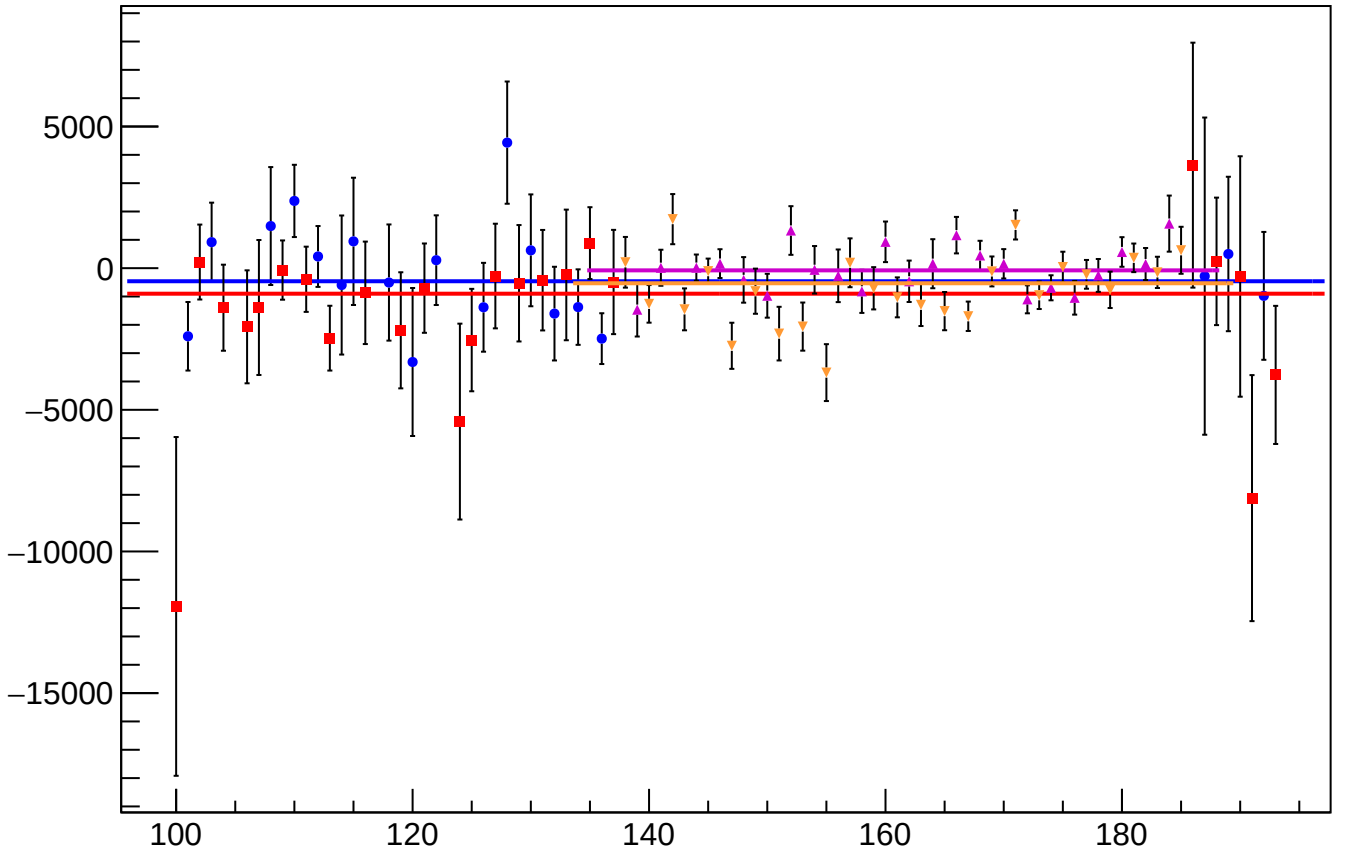
Right Out: 80.009+/-0.020 χ^2/NDF: 3179850.5/23

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 65.388+/-0.009 χ^2/NDF: 3408860.2/43

All: 65.847+/-0.006 χ^2/NDF: 7880196.1/90

- sign 66.327+/-0.009 χ^2/NDF: 4466064.7/46



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: -901.311+/-360.097 χ^2/NDF: 18.1/23

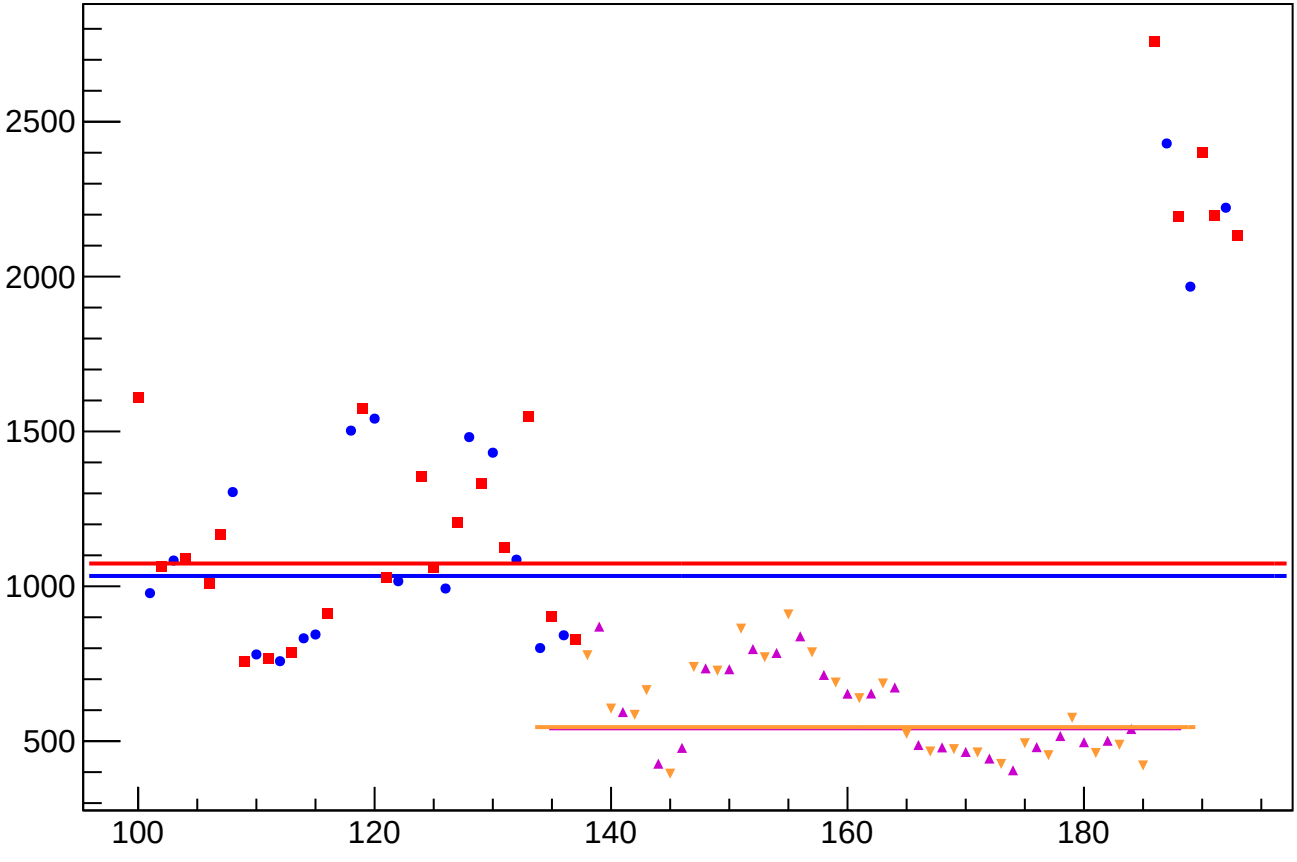
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -525.034+/-120.756 χ^2/NDF: 93.0/43

All: -351.501+/-86.011 χ^2/NDF: 148.3/90

- sign -172.803+/-122.540 χ^2/NDF: 51.1/46

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: 1073.557+/-0.255 χ^2/NDF: 2328780.0/23

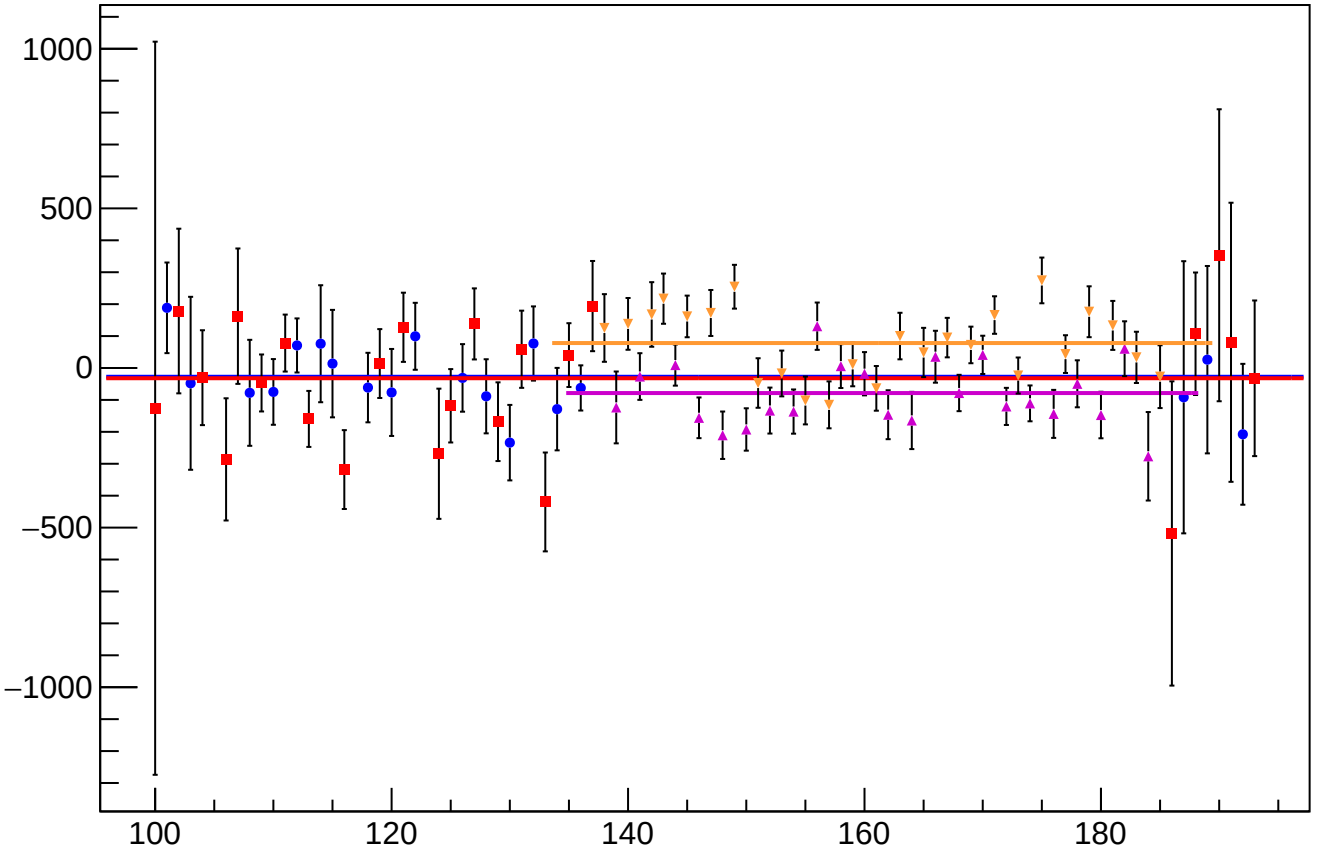
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 598.487+/-0.085 χ^2/NDF: 6952807.4/43

All: 600.748+/-0.061 χ^2/NDF: 14984589.5/90

- sign 603.076+/-0.087 χ^2/NDF: 8030359.3/46

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: -32.086+/-27.807 χ^2/NDF: 32.4/23

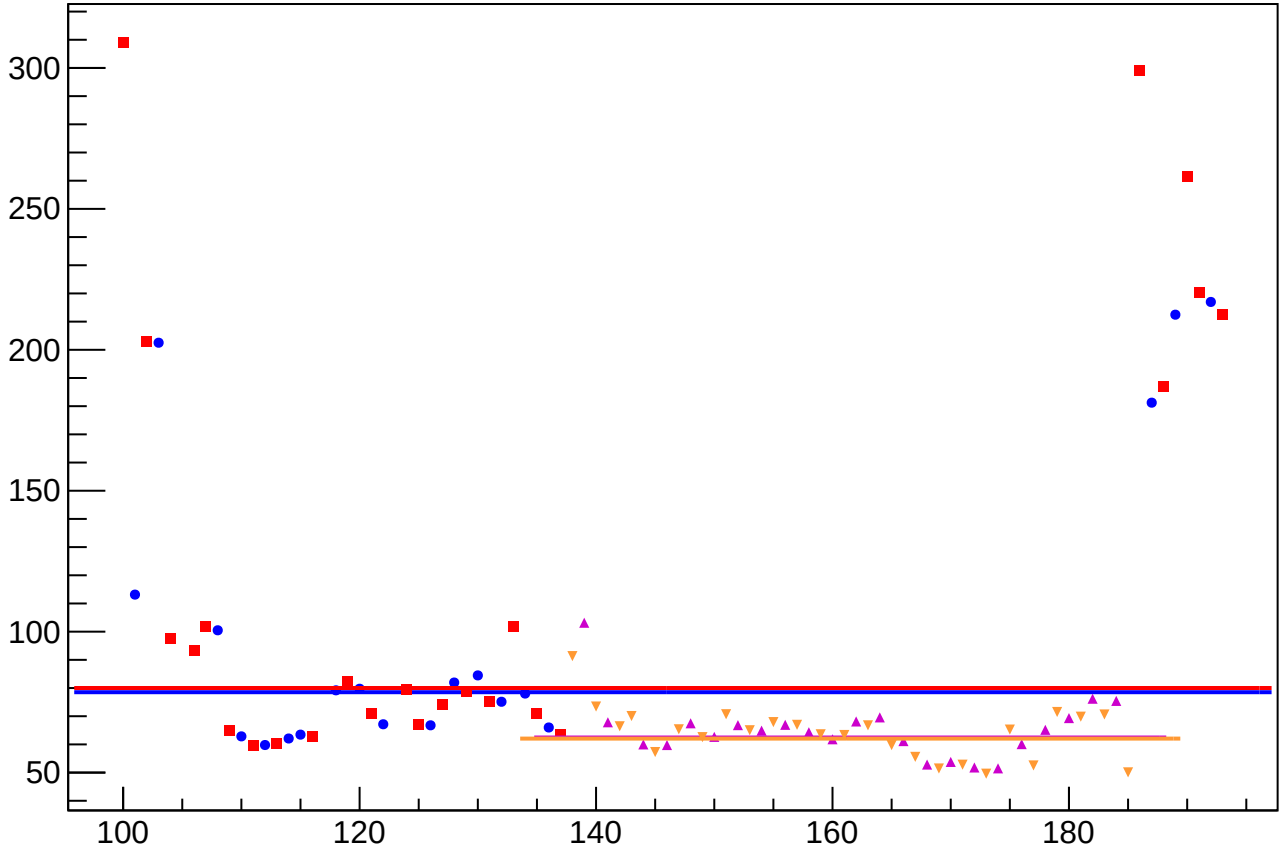
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.810+/-12.797 χ^2/NDF: 76.6/43

All: -4.385+/-9.145 χ^2/NDF: 194.6/90

- sign -68.247+/-13.073 χ^2/NDF: 71.2/46

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

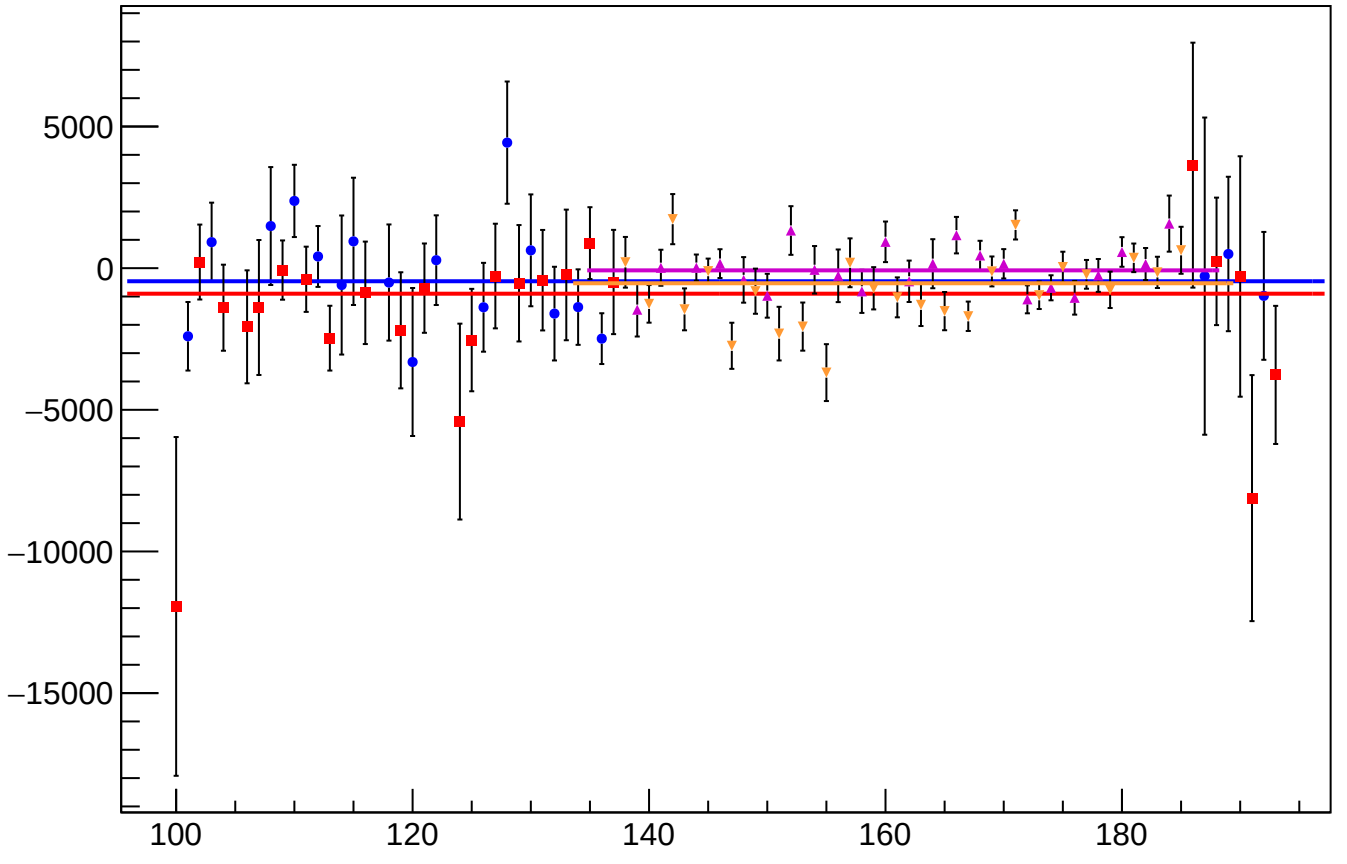
Right Out: 80.009+/-0.020 χ^2/NDF: 3179850.5/23

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 65.388+/-0.009 χ^2/NDF: 3408860.2/43

All: 65.847+/-0.006 χ^2/NDF: 7880196.1/90

- sign 66.327+/-0.009 χ^2/NDF: 4466064.7/46



Right In: -461.724+/-365.815 χ^2/NDF: 23.9/18

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

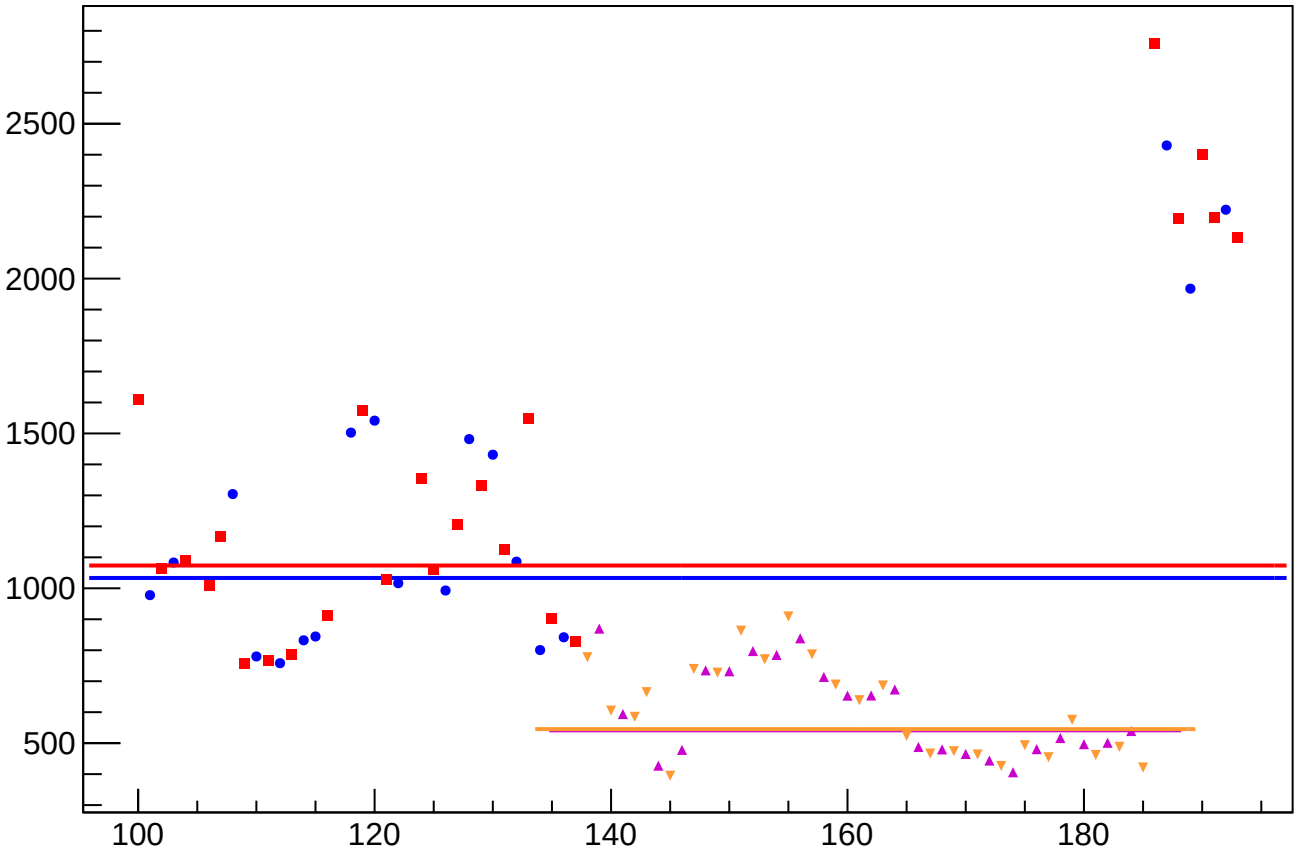
Right Out: -901.311+/-360.097 χ^2/NDF: 18.1/23

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -525.034+/-120.756 χ^2/NDF: 93.0/43

All: -351.501+/-86.011 χ^2/NDF: 148.3/90

- sign -172.803+/-122.540 χ^2/NDF: 51.1/46



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: 1073.557+/-0.255 χ^2/NDF: 2328780.0/23

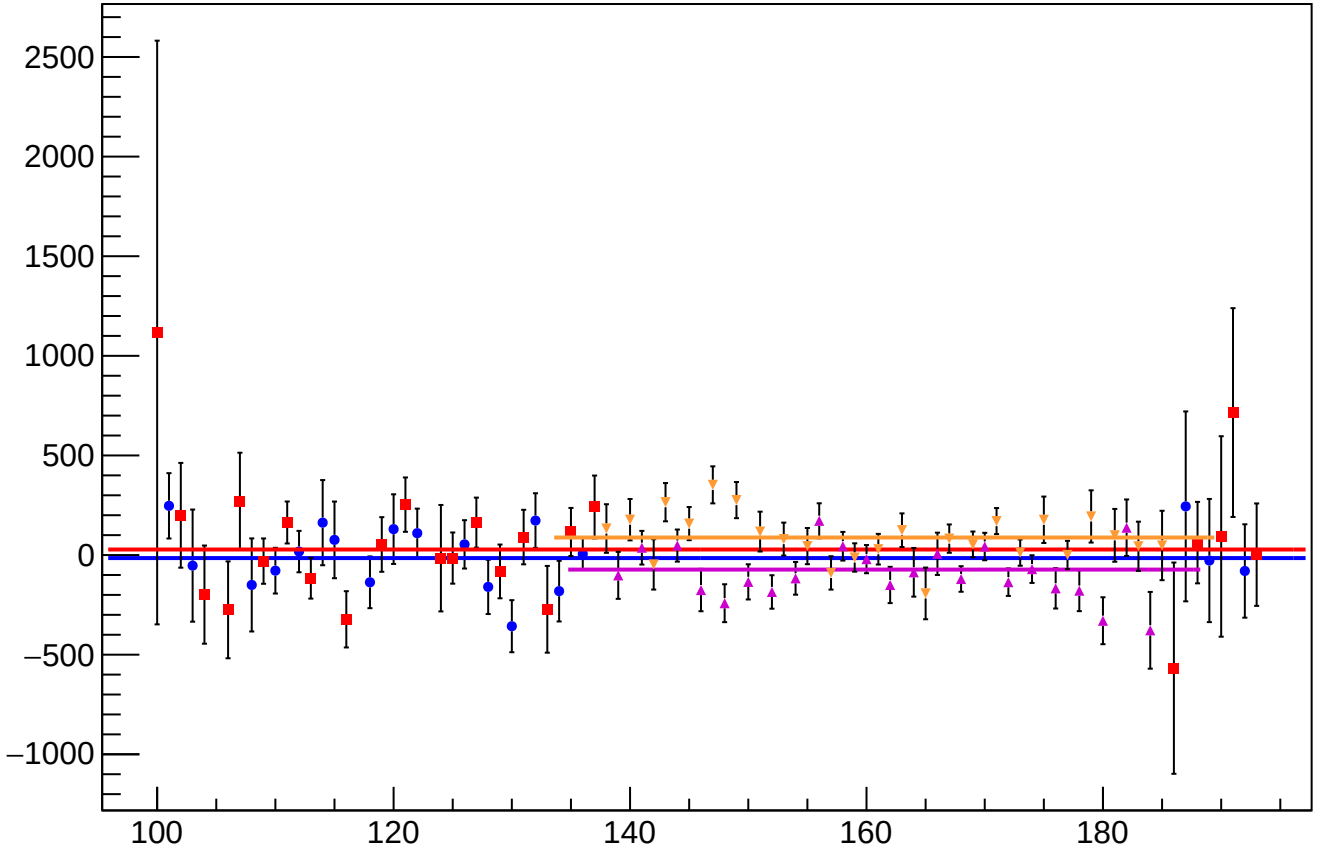
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 598.487+/-0.085 χ^2/NDF: 6952807.4/43

All: 600.748+/-0.061 χ^2/NDF: 14984589.5/90

- sign 603.076+/-0.087 χ^2/NDF: 8030359.3/46

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: 27.907+/-33.121 χ^2/NDF: 26.7/23

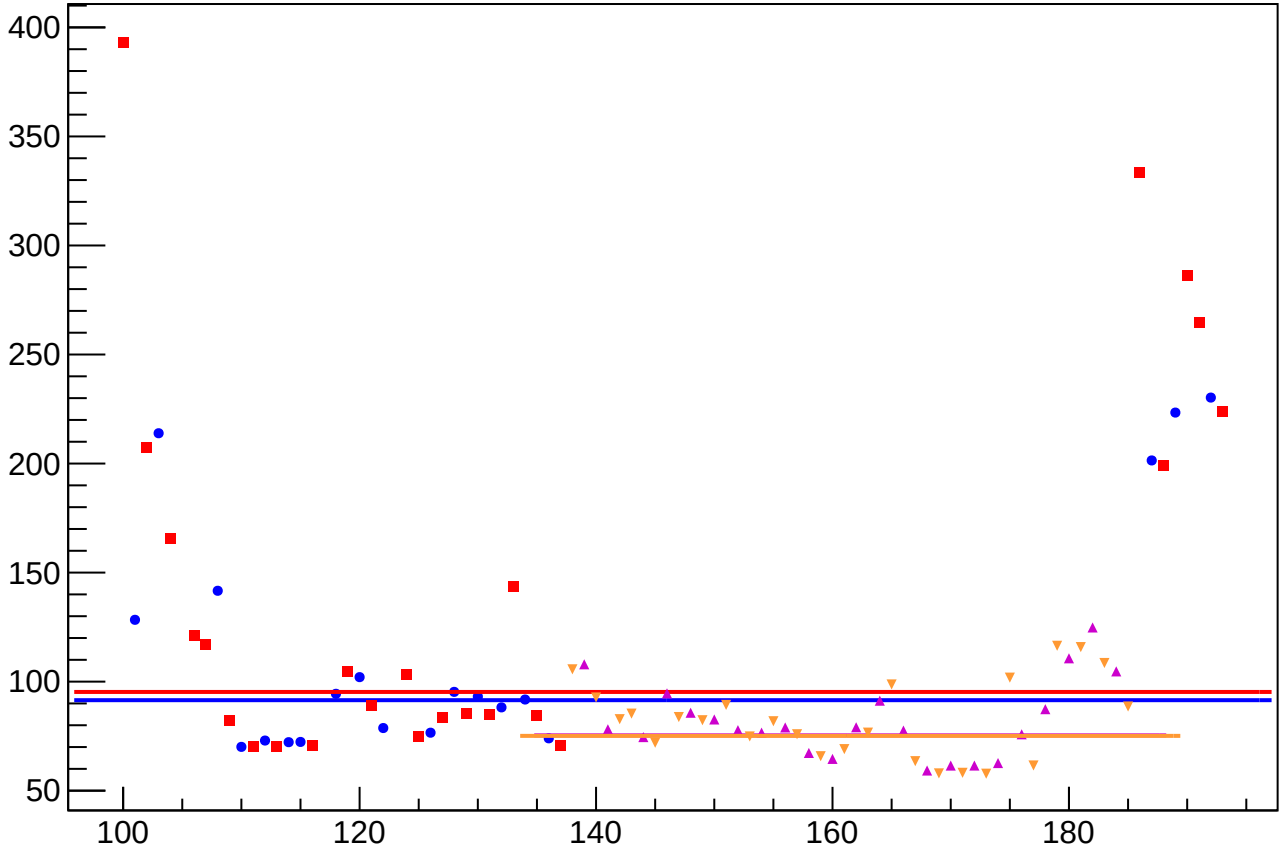
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 65.051+/-15.643 χ^2/NDF: 63.1/43

All: 9.153+/-11.186 χ^2/NDF: 161.4/90

- sign -49.332+/-16.001 χ^2/NDF: 72.2/46

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

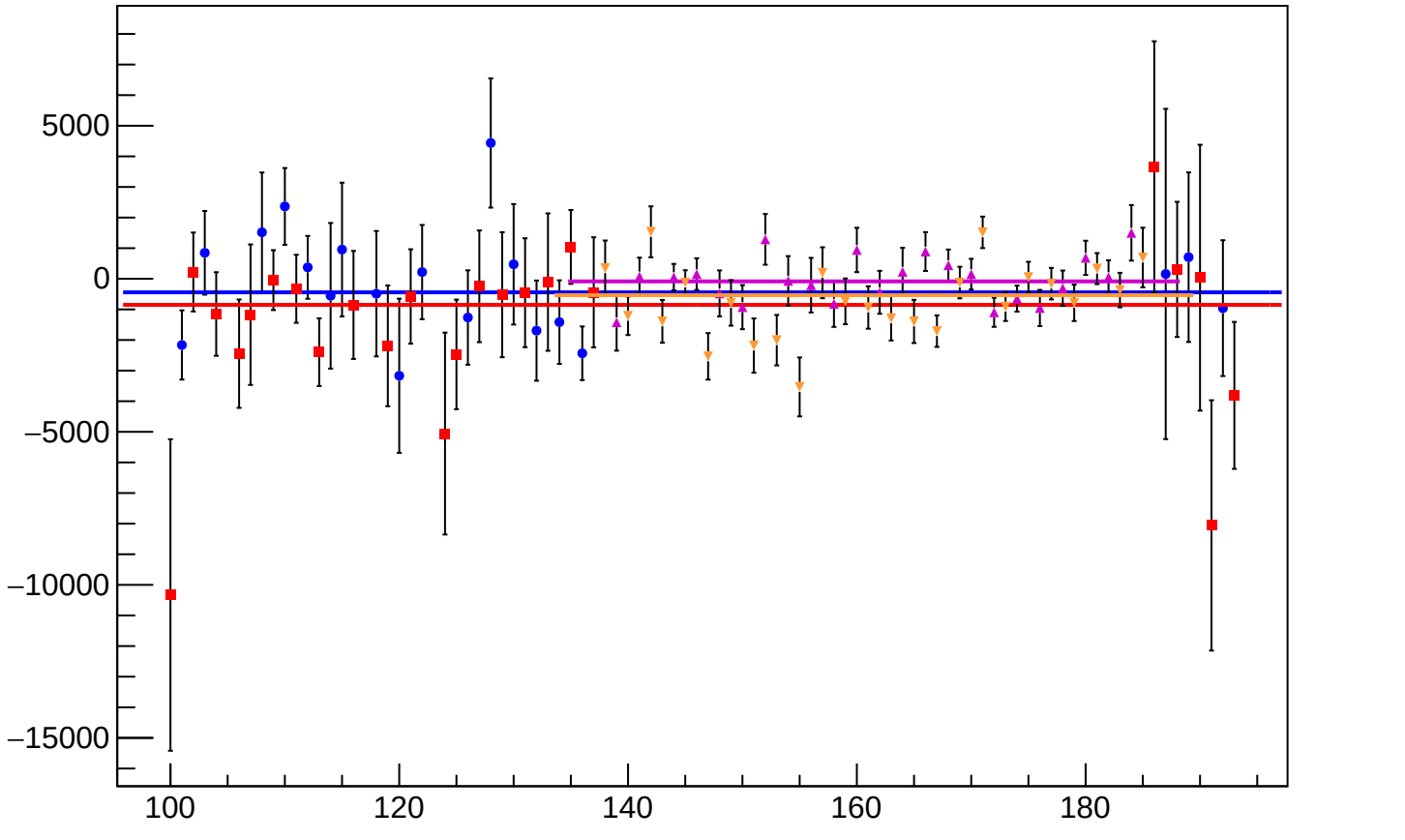
Right Out: 95.269+/-0.023 χ^2/NDF: 3147363.7/23

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 78.774+/-0.011 χ^2/NDF: 4051873.7/43

All: 79.378+/-0.008 χ^2/NDF: 8984469.0/90

- sign 80.009+/-0.011 χ^2/NDF: 4926499.9/46



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: -851.474+/-345.878 χ^2/NDF: 19.8/23

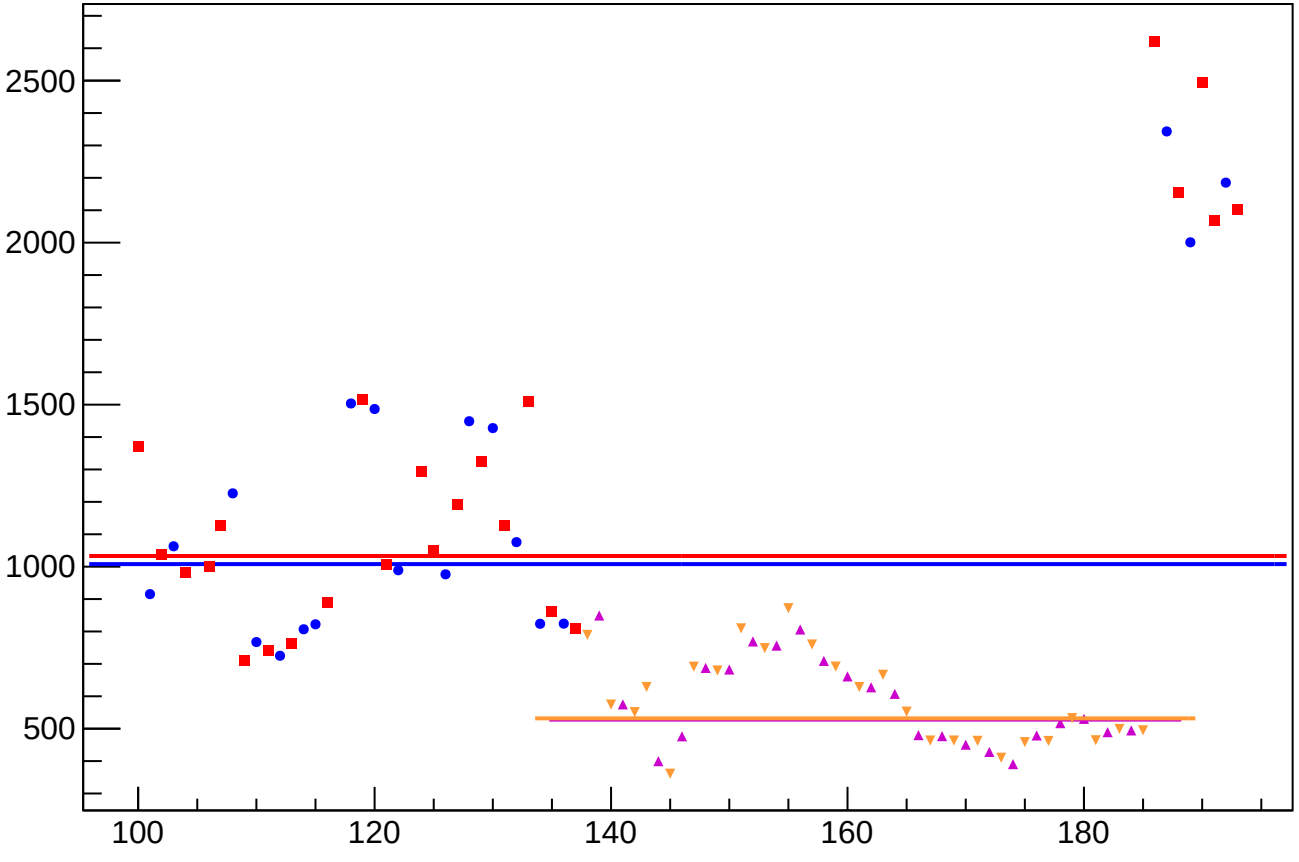
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -526.581+/-117.530 χ^2/NDF: 91.1/43

All: -353.747+/-83.708 χ^2/NDF: 147.0/90

- sign -175.818+/-119.250 χ^2/NDF: 51.6/46

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: 1032.980+/-0.245 χ^2/NDF: 2424627.7/23

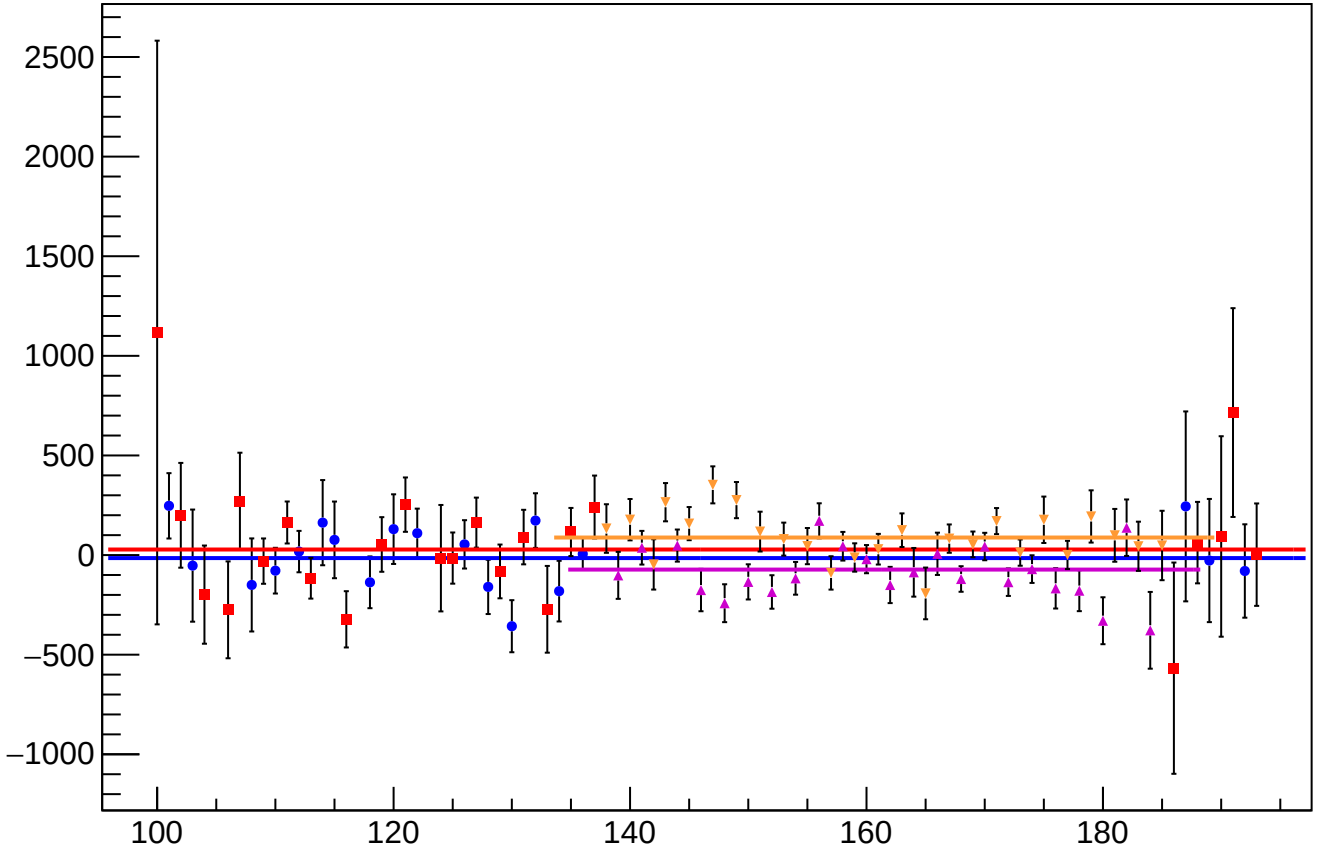
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 583.487+/-0.083 χ^2/NDF: 6944334.8/43

All: 585.718+/-0.059 χ^2/NDF: 14927489.9/90

- sign 588.014+/-0.084 χ^2/NDF: 7981693.1/46

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: 27.910+/-33.121 χ^2/NDF: 26.7/23

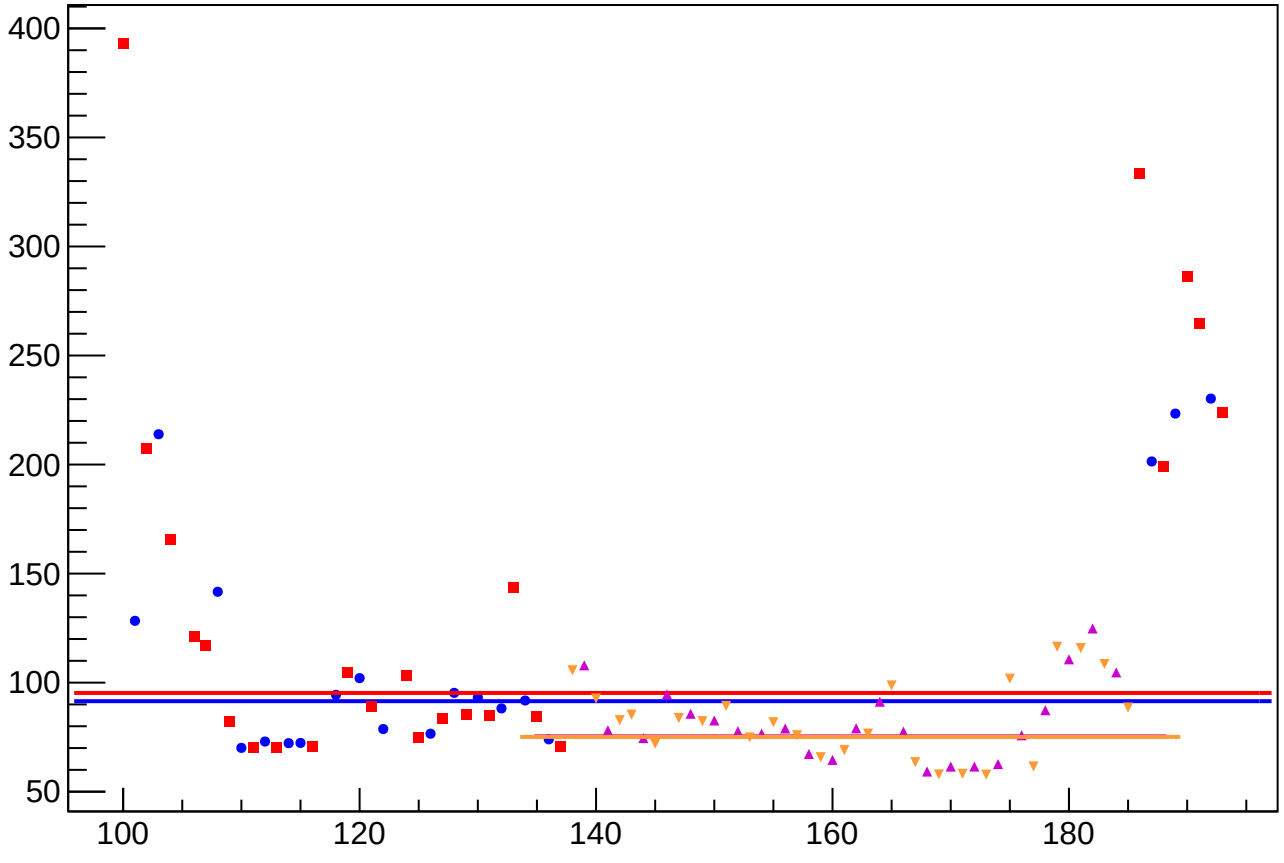
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 65.052+/-15.643 χ^2/NDF: 63.1/43

All: 9.154+/-11.186 χ^2/NDF: 161.4/90

- sign -49.331+/-16.001 χ^2/NDF: 72.2/46

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

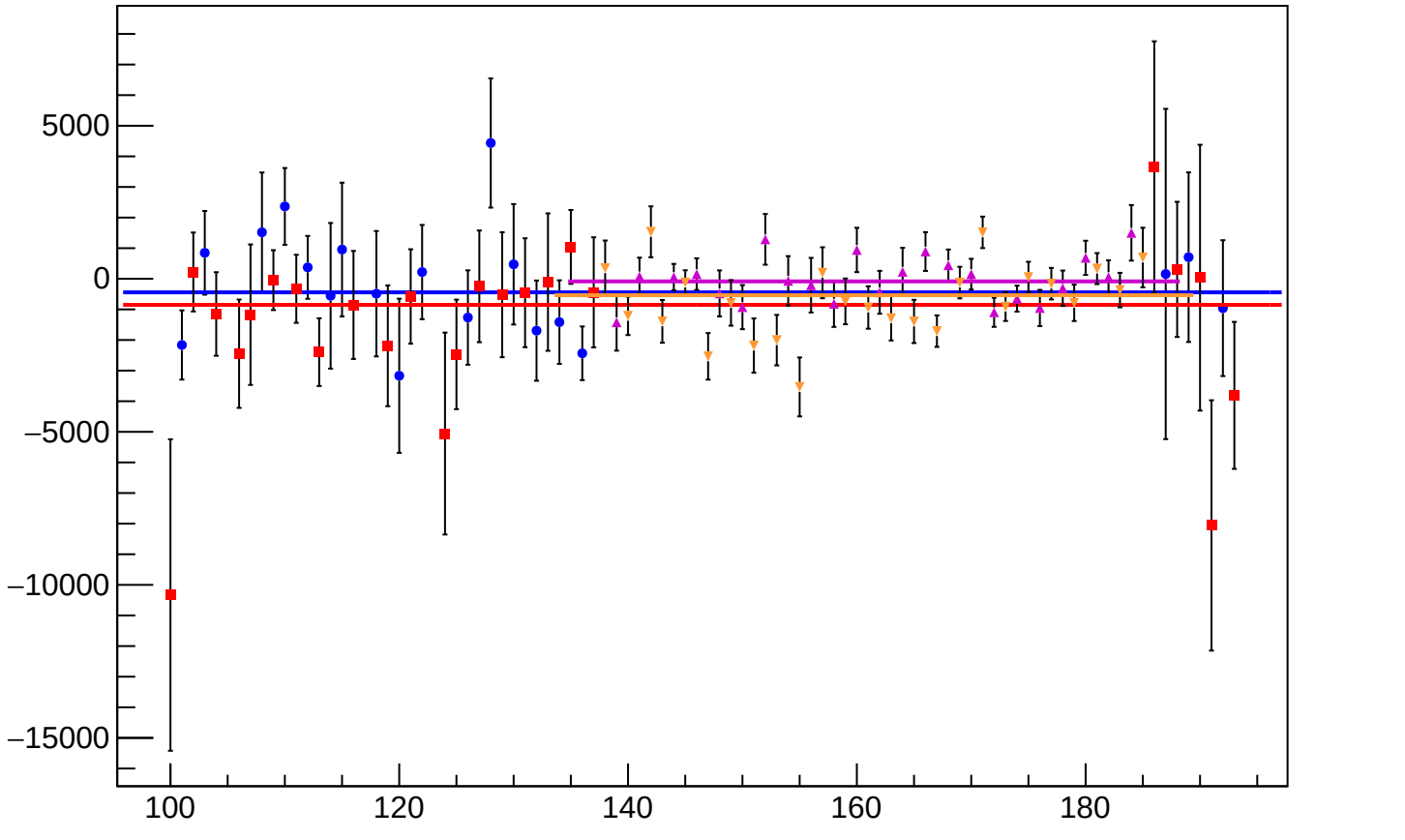
Right Out: 95.270+/-0.023 χ^2/NDF: 3147355.0/23

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 78.774+/-0.011 χ^2/NDF: 4051866.6/43

All: 79.378+/-0.008 χ^2/NDF: 8984464.6/90

- sign 80.009+/-0.011 χ^2/NDF: 4926502.7/46



Right In: -442.633+/-356.938 χ^2/NDF: 24.0/18

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

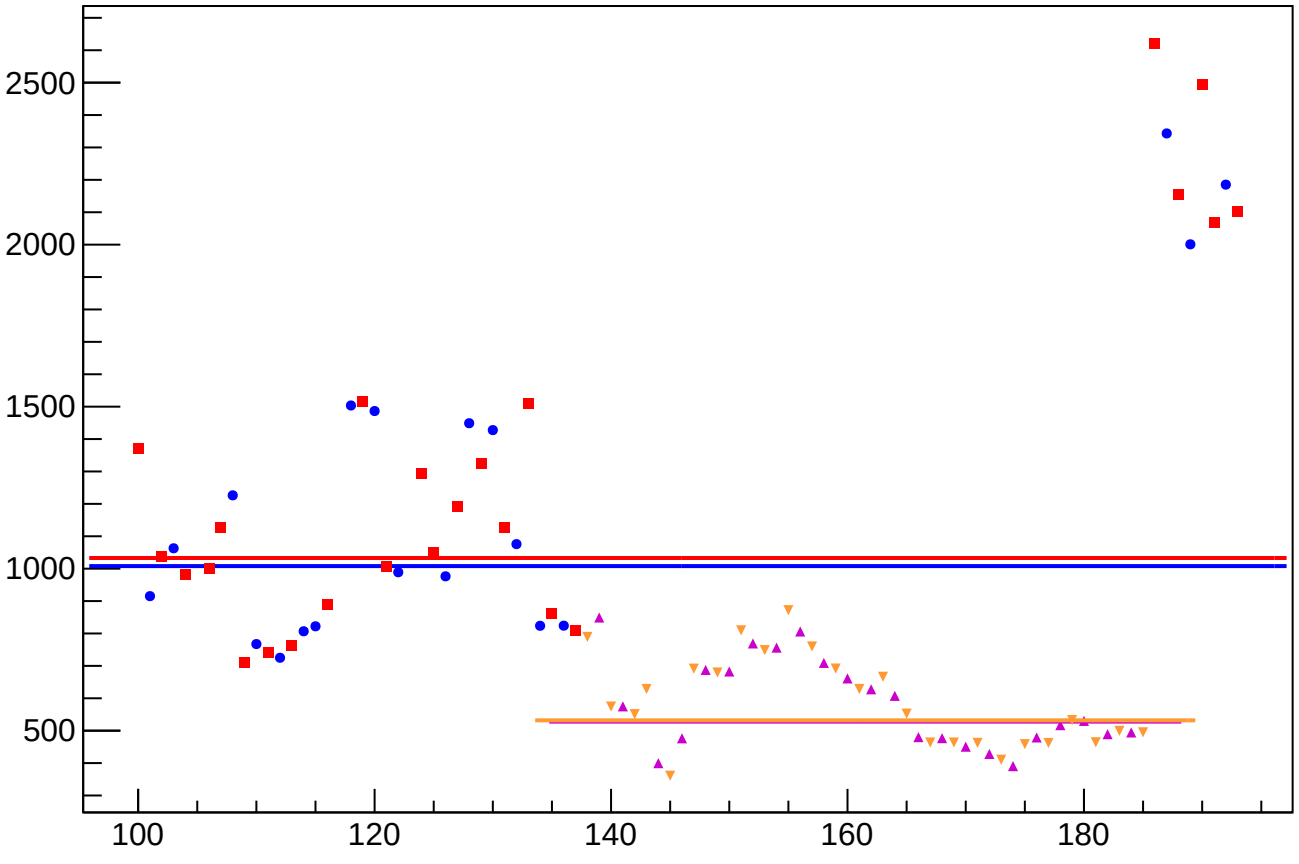
Right Out: -851.473+/-345.878 χ^2/NDF: 19.8/23

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -526.581+/-117.530 χ^2/NDF: 91.1/43

All: -353.747+/-83.708 χ^2/NDF: 147.0/90

- sign -175.818+/-119.250 χ^2/NDF: 51.6/46



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: 1032.978+/-0.245 χ^2/NDF: 2424630.5/23

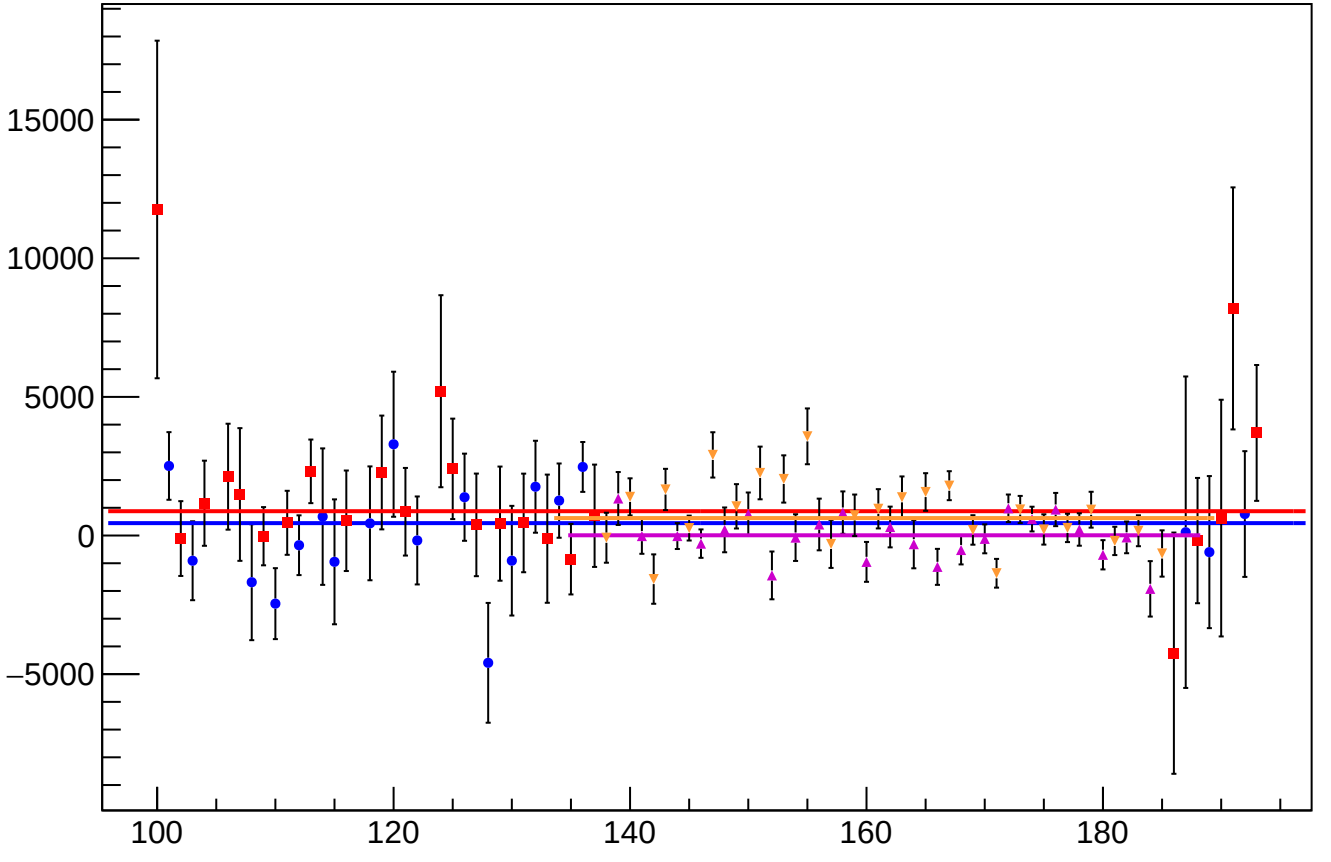
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 583.487+/-0.083 χ^2/NDF: 6944322.6/43

All: 585.717+/-0.059 χ^2/NDF: 14927461.1/90

- sign 588.014+/-0.084 χ^2/NDF: 7981676.4/46

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: 877.289+/-361.257 χ^2/NDF: 17.4/23

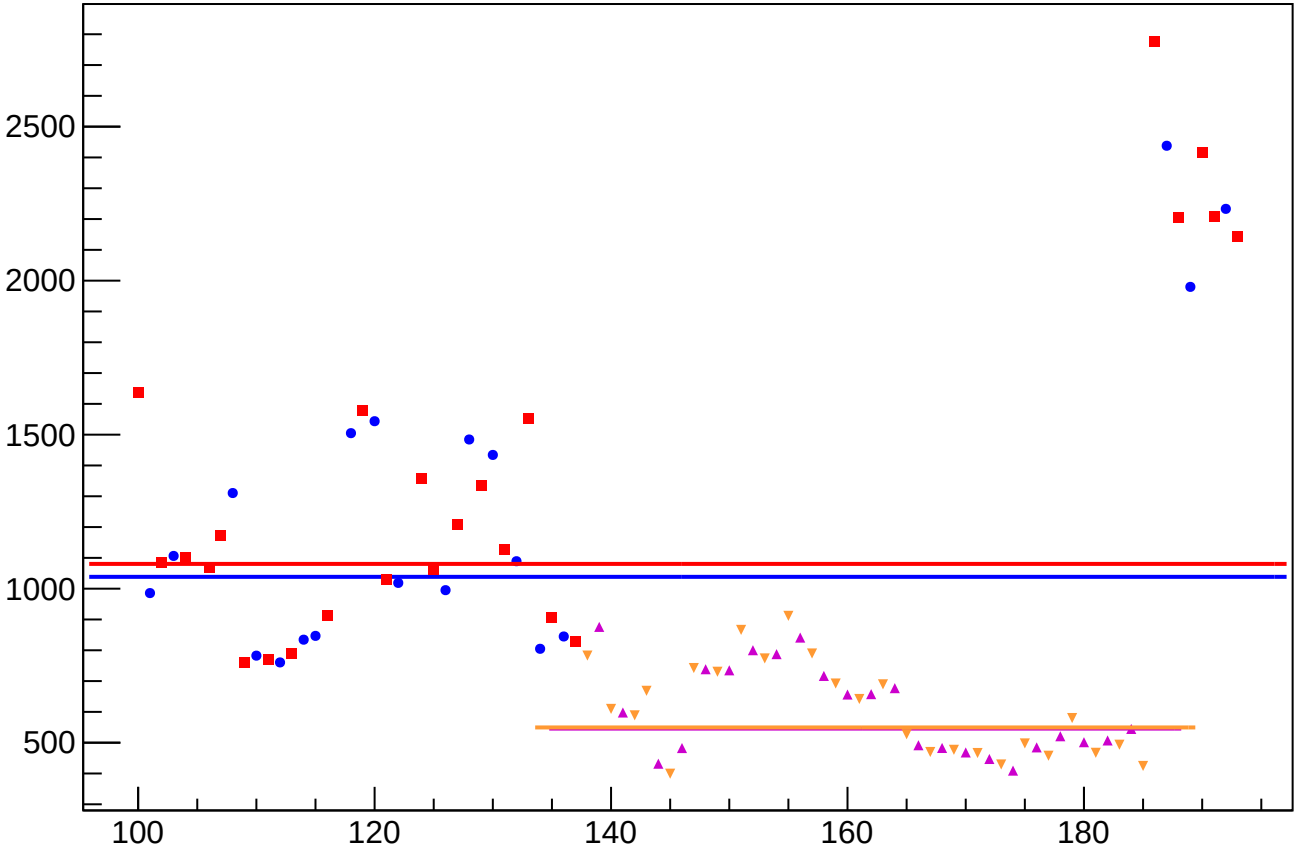
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 609.422+/-121.600 χ^2/NDF: 89.8/43

All: 363.281+/-86.611 χ^2/NDF: 148.0/90

- sign 109.825+/-123.393 χ^2/NDF: 49.9/46

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: 1080.413+/-0.255 χ^2/NDF: 2331499.2/23

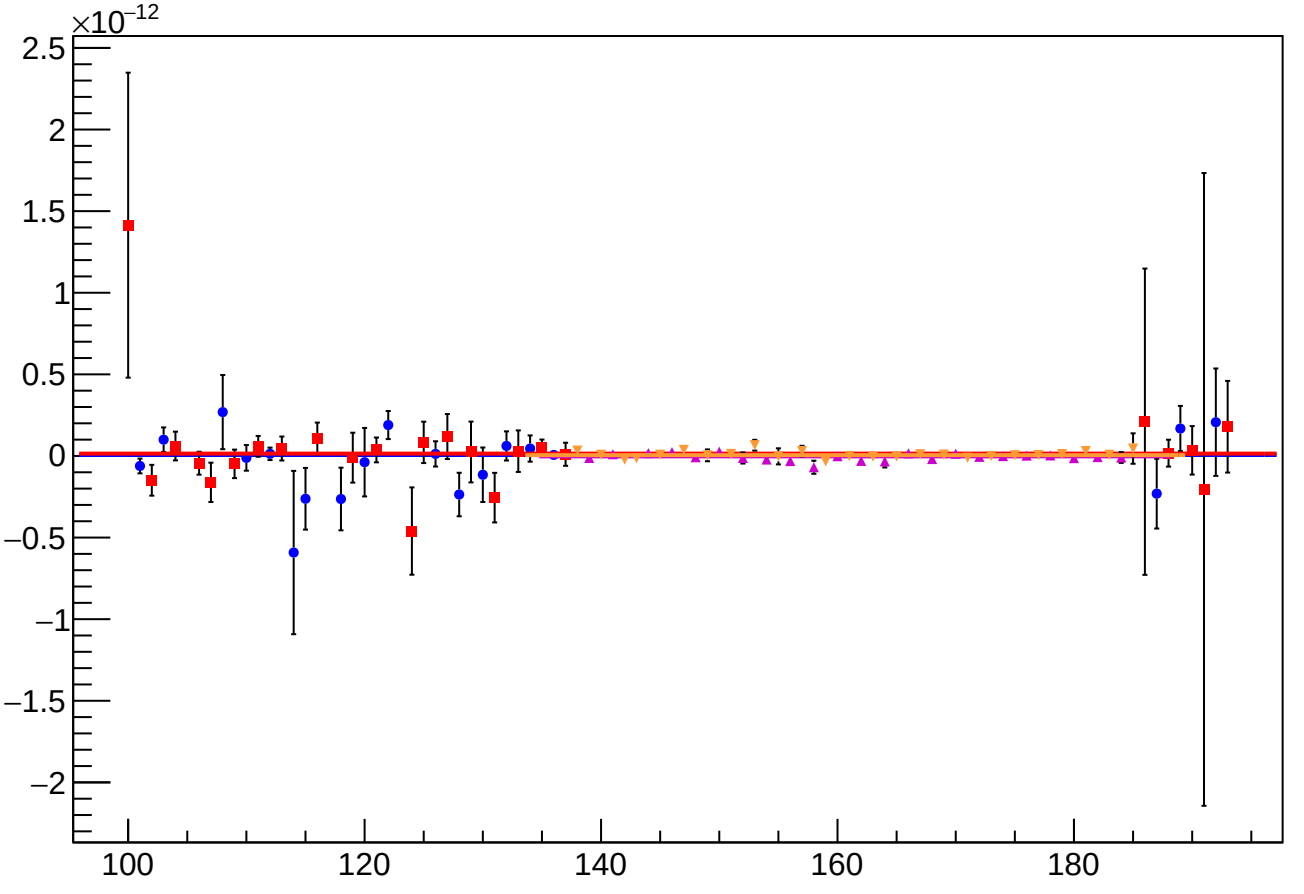
Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 602.973+/-0.086 χ^2/NDF: 6903170.9/43

All: 605.494+/-0.061 χ^2/NDF: 14921273.4/90

- sign 608.091+/-0.087 χ^2/NDF: 8016357.0/46

asym_sam_37_avg_reg_vs_cor_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:15.6/24

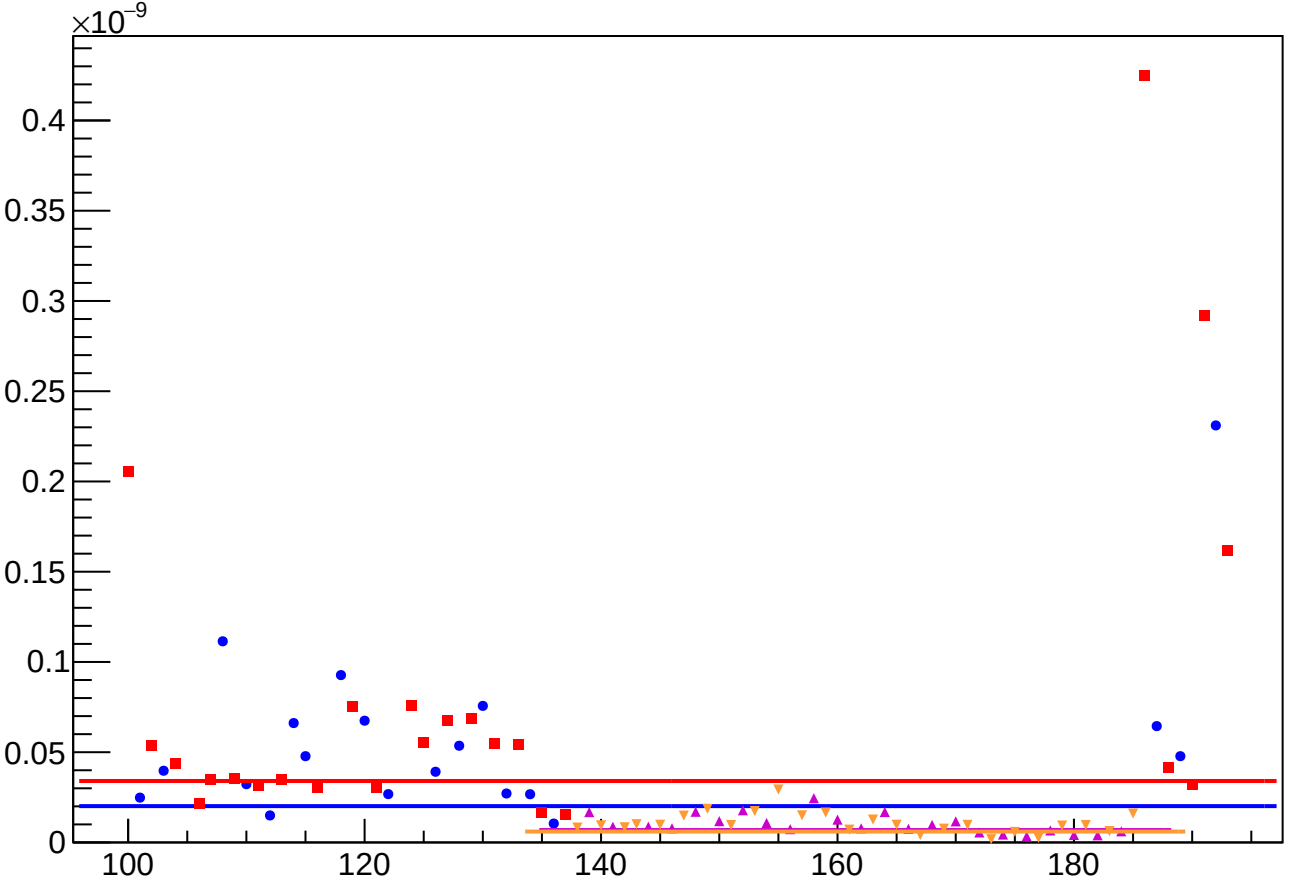
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/23

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: 80.2/90

- sign -0.000+/-0.000 χ^2/NDF: 39.5/46



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: 2002245.3/23

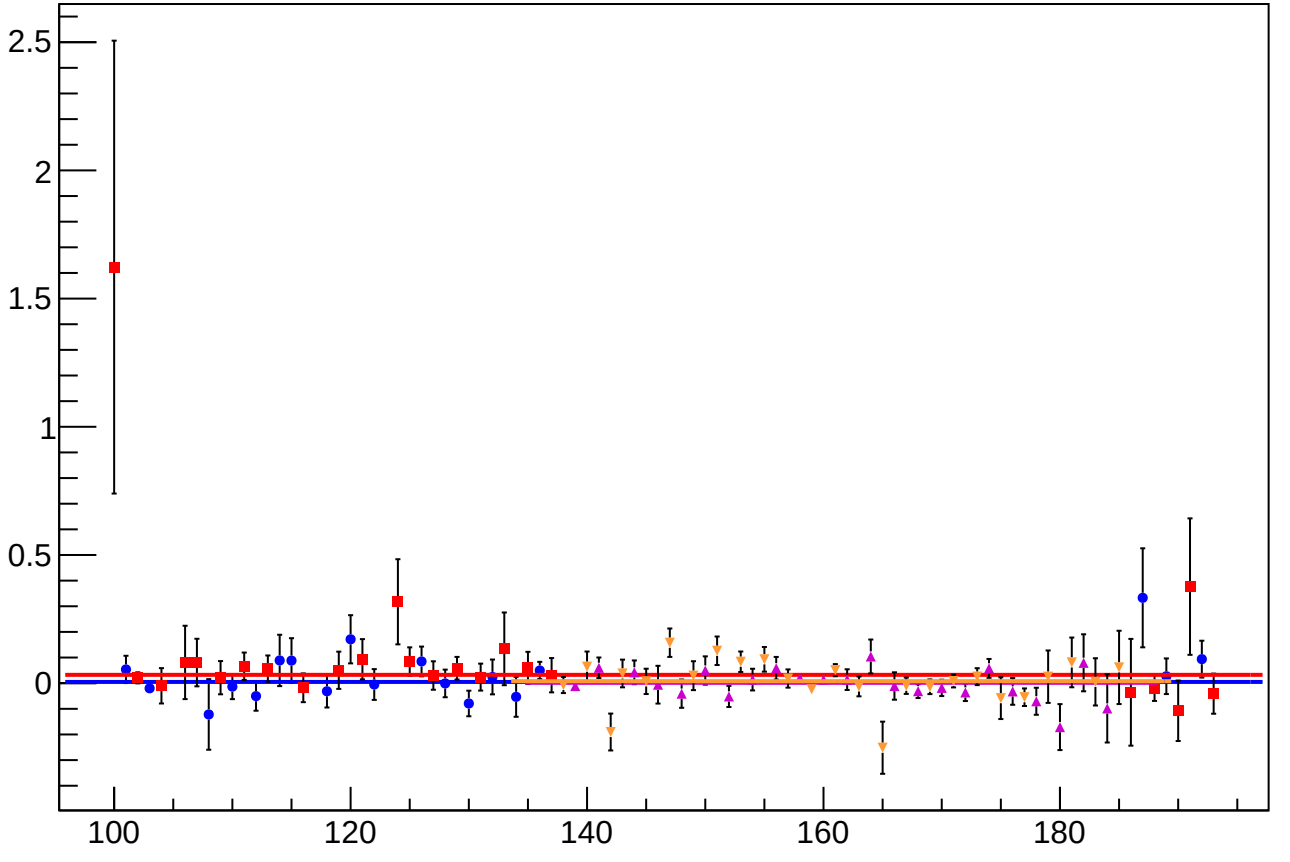
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8449061.5/43

All: 0.000+/-0.000 χ^2/NDF: 16602446.0/90

- sign 0.000+/-0.000 χ^2/NDF: 8060614.3/46

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: 0.033+/-0.012 χ^2/NDF: 16.4/23

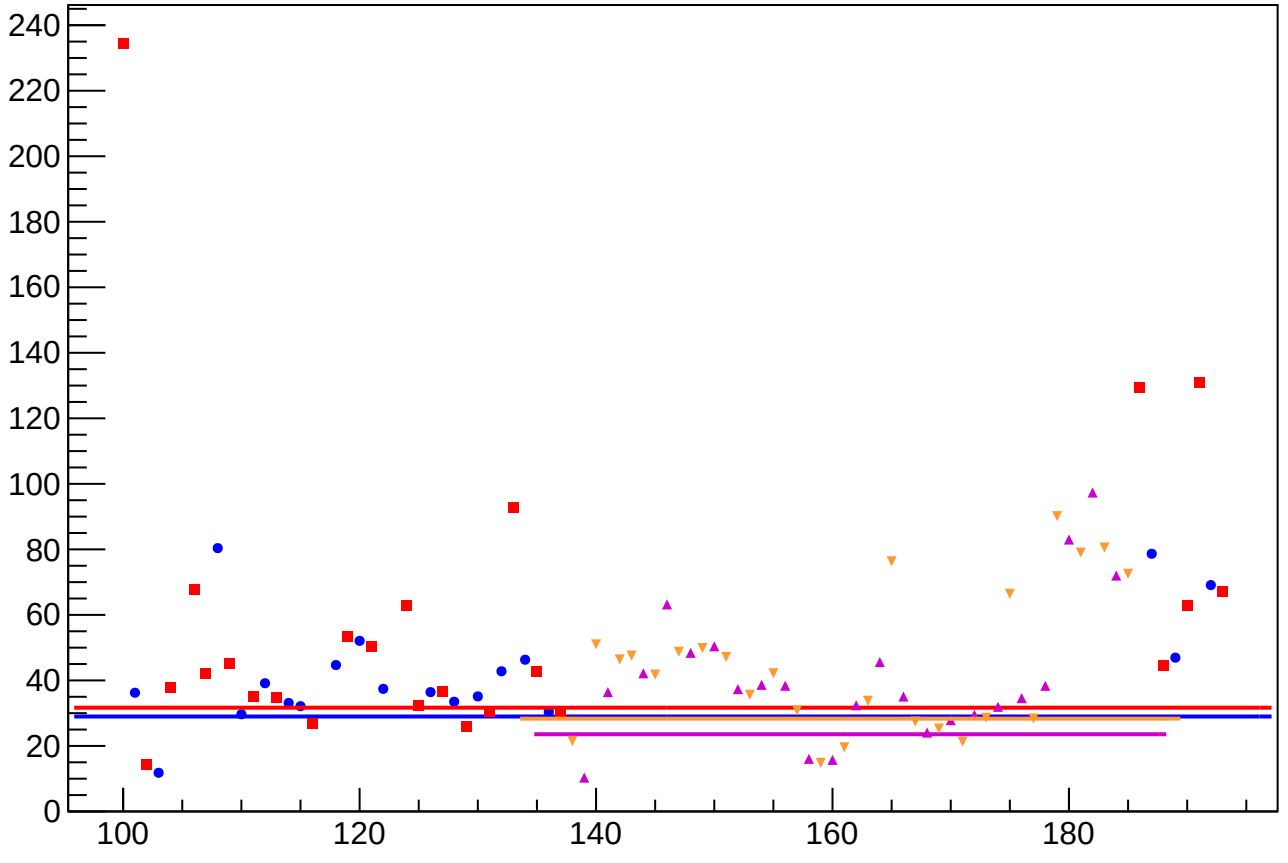
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 68.8/43

All: 0.008+/-0.004 χ^2/NDF: 115.5/90

- sign 0.009+/-0.006 χ^2/NDF: 46.7/46

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: 31.672+/-0.008 χ^2/NDF: 3952956.6/23

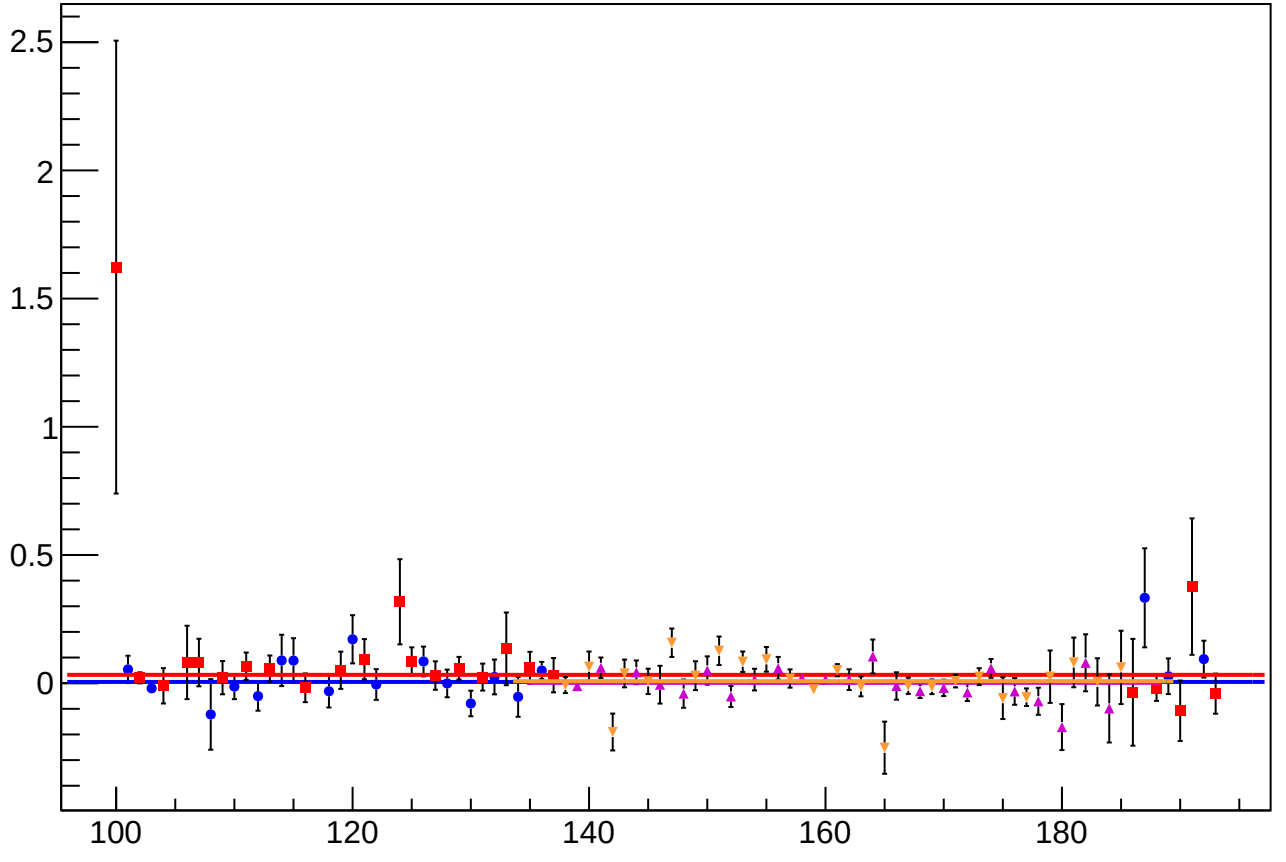
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 28.520+/-0.004 χ^2/NDF: 10145966.3/43

All: 26.926+/-0.003 χ^2/NDF: 23286584.2/90

- sign 25.541+/-0.004 χ^2/NDF: 12905405.3/46

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: 0.033+/-0.012 χ^2/NDF: 16.4/23

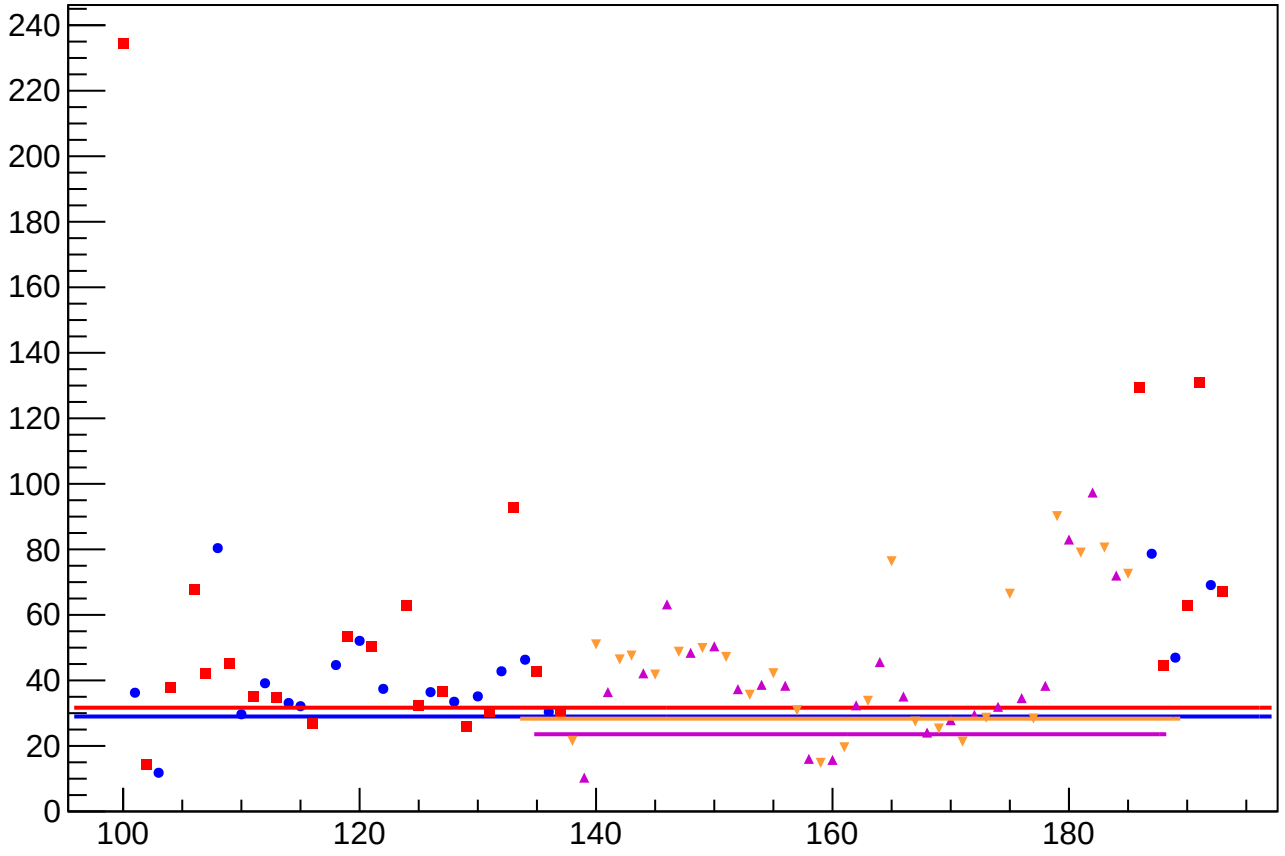
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 68.8/43

All: 0.008+/-0.004 χ^2/NDF: 115.5/90

- sign 0.009+/-0.006 χ^2/NDF: 46.7/46

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

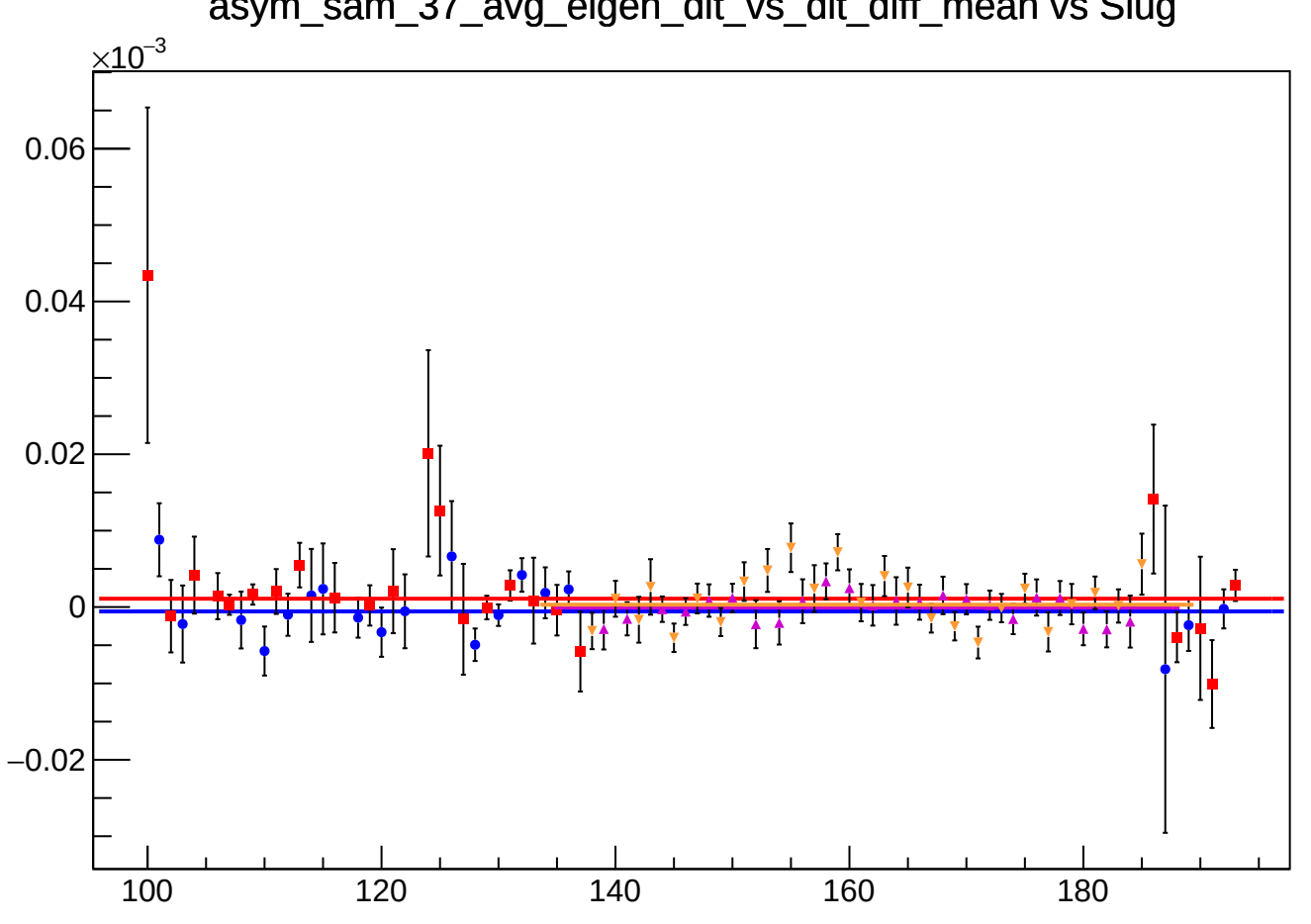
Right Out: 31.672+/-0.008 χ^2/NDF: 3952956.6/23

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 28.520+/-0.004 χ^2/NDF: 10145966.3/43

All: 26.926+/-0.003 χ^2/NDF: 23286584.2/90

- sign 25.541+/-0.004 χ^2/NDF: 12905405.3/46



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

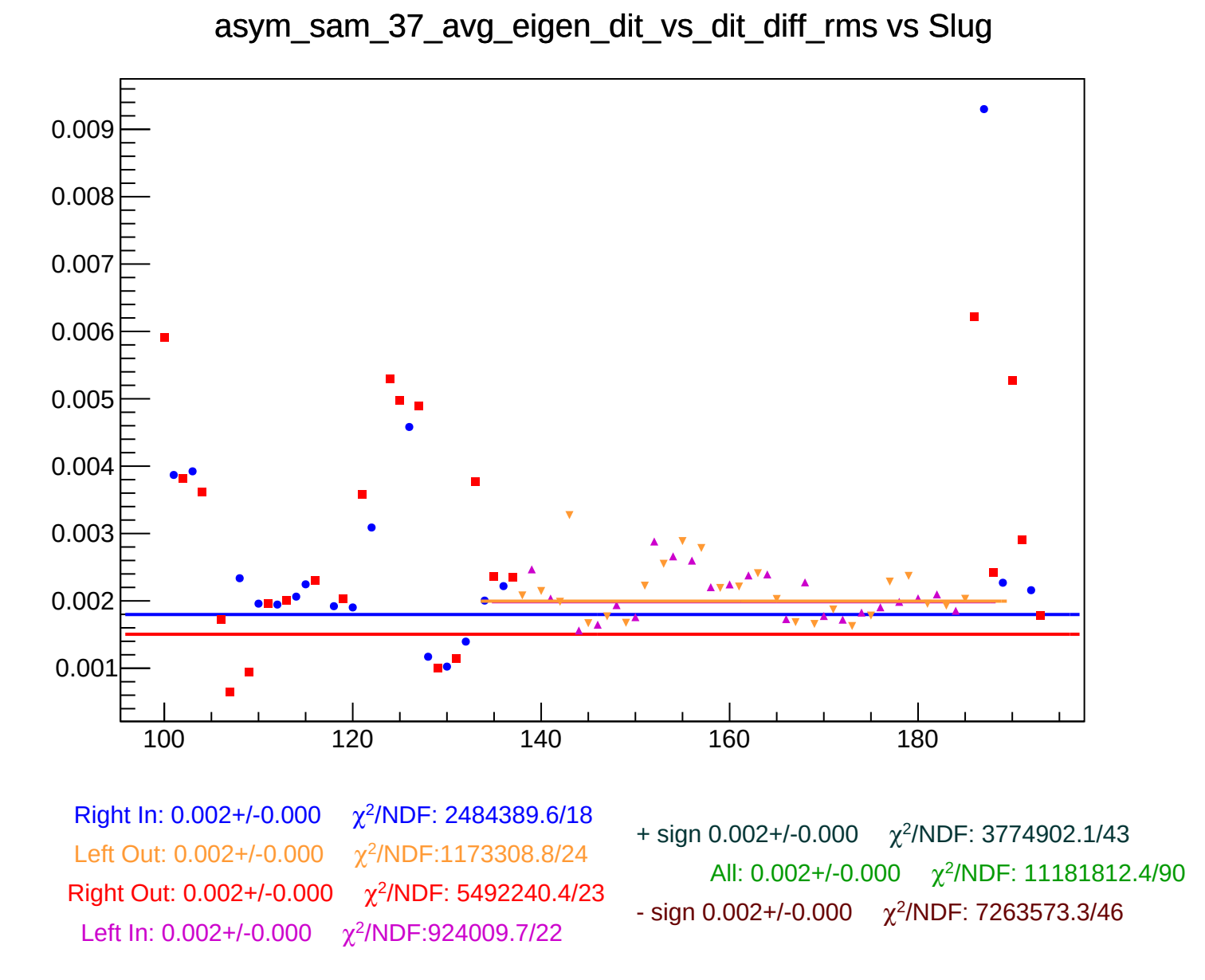
Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/23

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

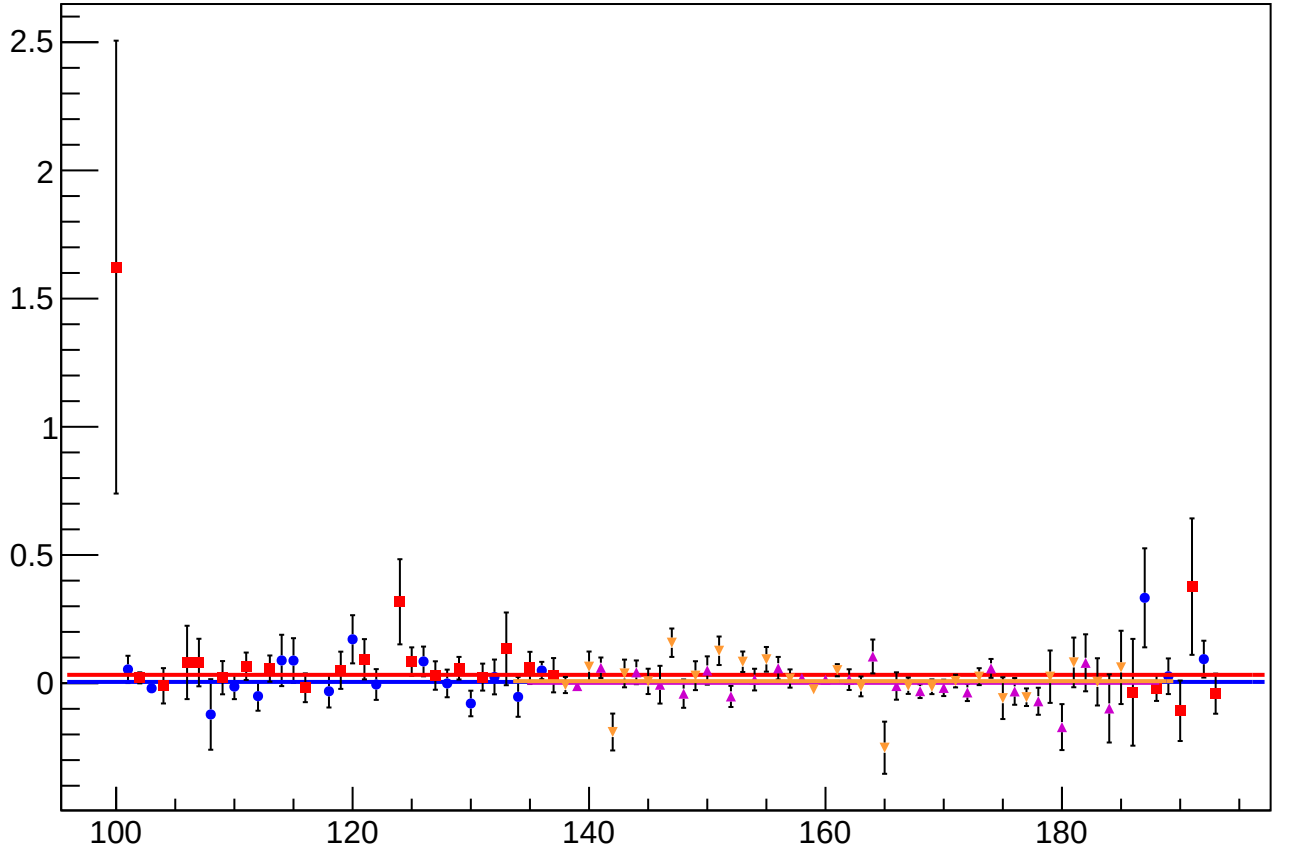
+ sign 0.000+/-0.000 χ^2/NDF: 67.2/43

All: 0.000+/-0.000 χ^2/NDF: 105.8/90

- sign 0.000+/-0.000 χ^2/NDF: 38.1/46


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: 0.002+/-0.000 χ²/NDF: 5492240.4/23
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: 11181812.4/90
- sign 0.002+/-0.000 χ²/NDF: 7263573.3/46

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: 0.033+/-0.012 χ^2/NDF: 16.4/23

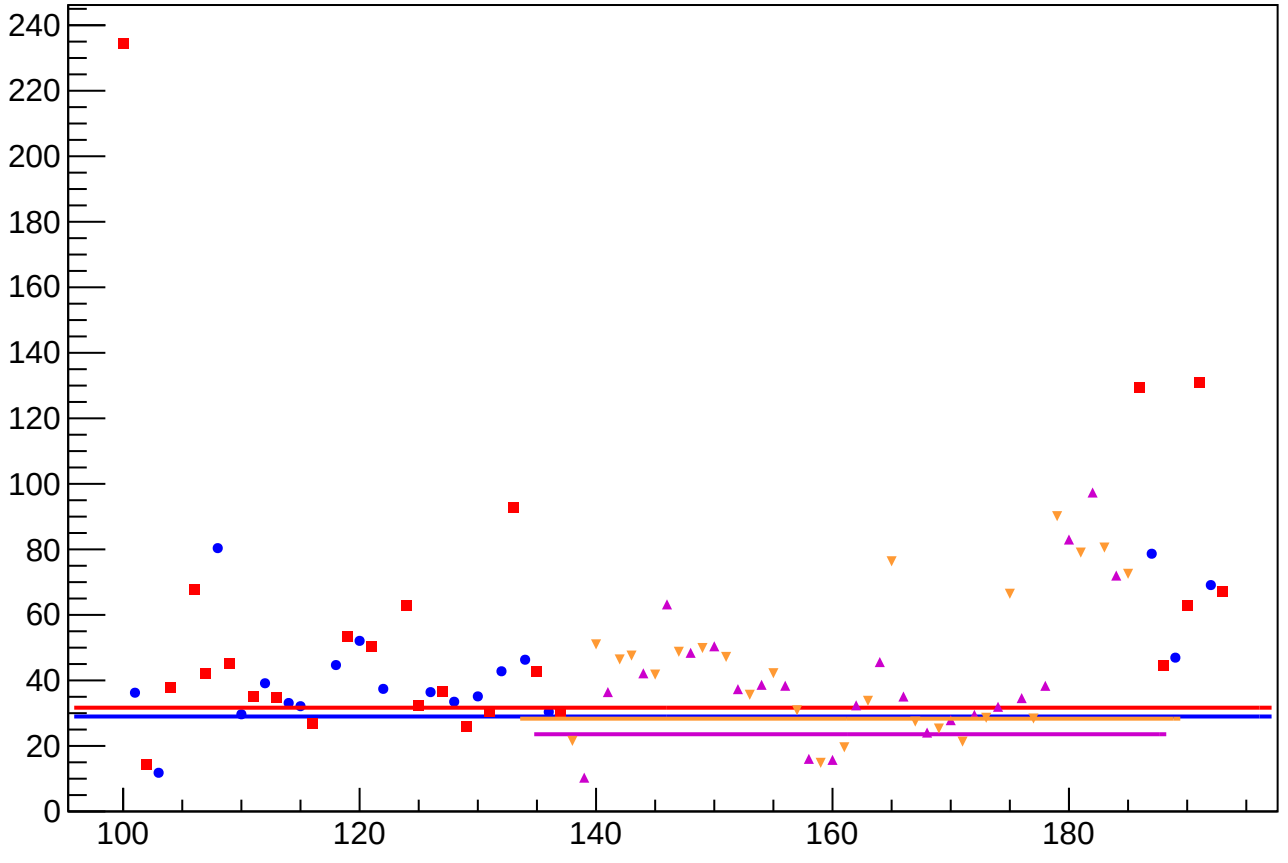
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 68.8/43

All: 0.008+/-0.004 χ^2/NDF: 115.5/90

- sign 0.009+/-0.006 χ^2/NDF: 46.7/46

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

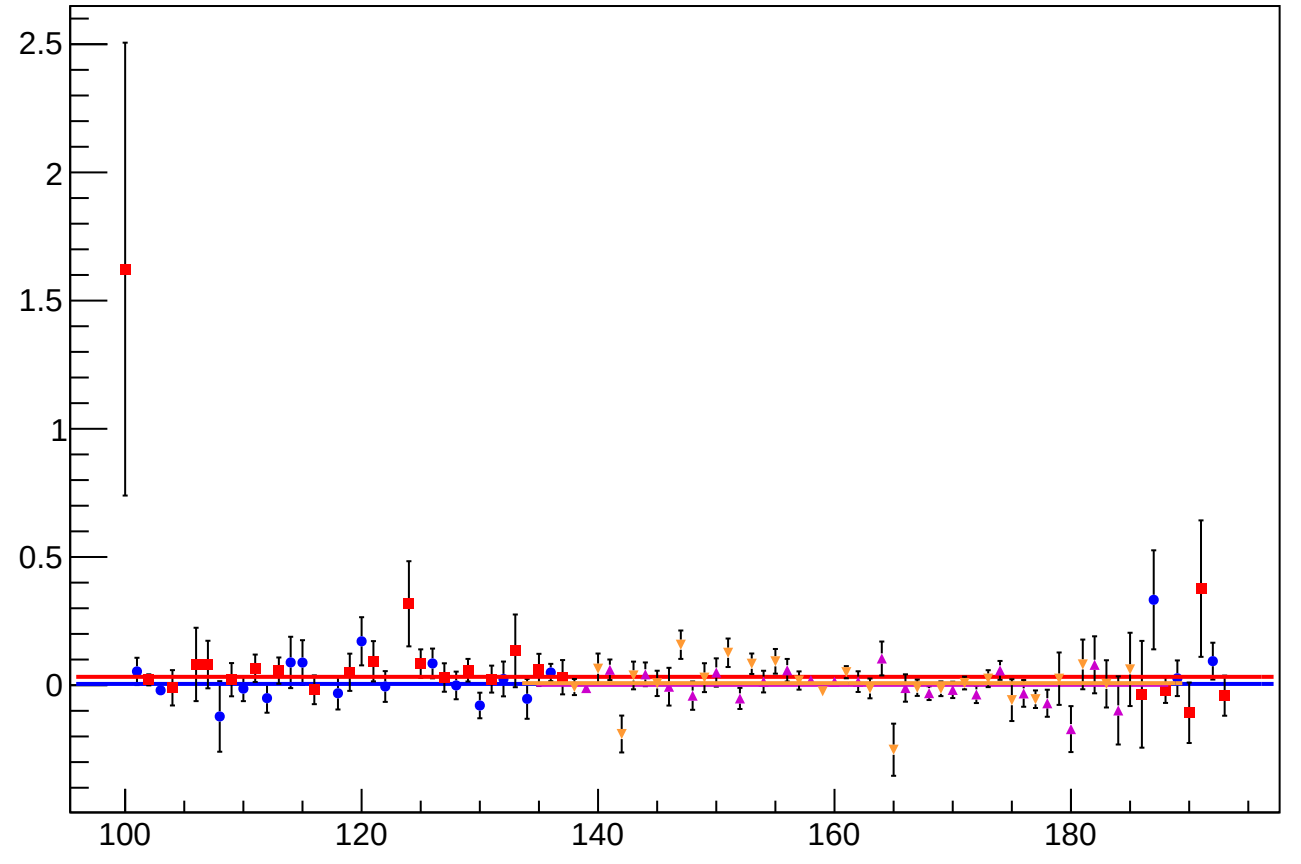
Right Out: 31.675+/-0.008 χ^2/NDF: 3952138.8/23

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.520+/-0.004 χ^2/NDF: 10146801.8/43

All: 26.925+/-0.003 χ^2/NDF: 23288266.2/90

- sign 25.541+/-0.004 χ^2/NDF: 12906252.3/46



Right In: 0.005+/-0.012 χ^2/NDF: 21.1/18

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

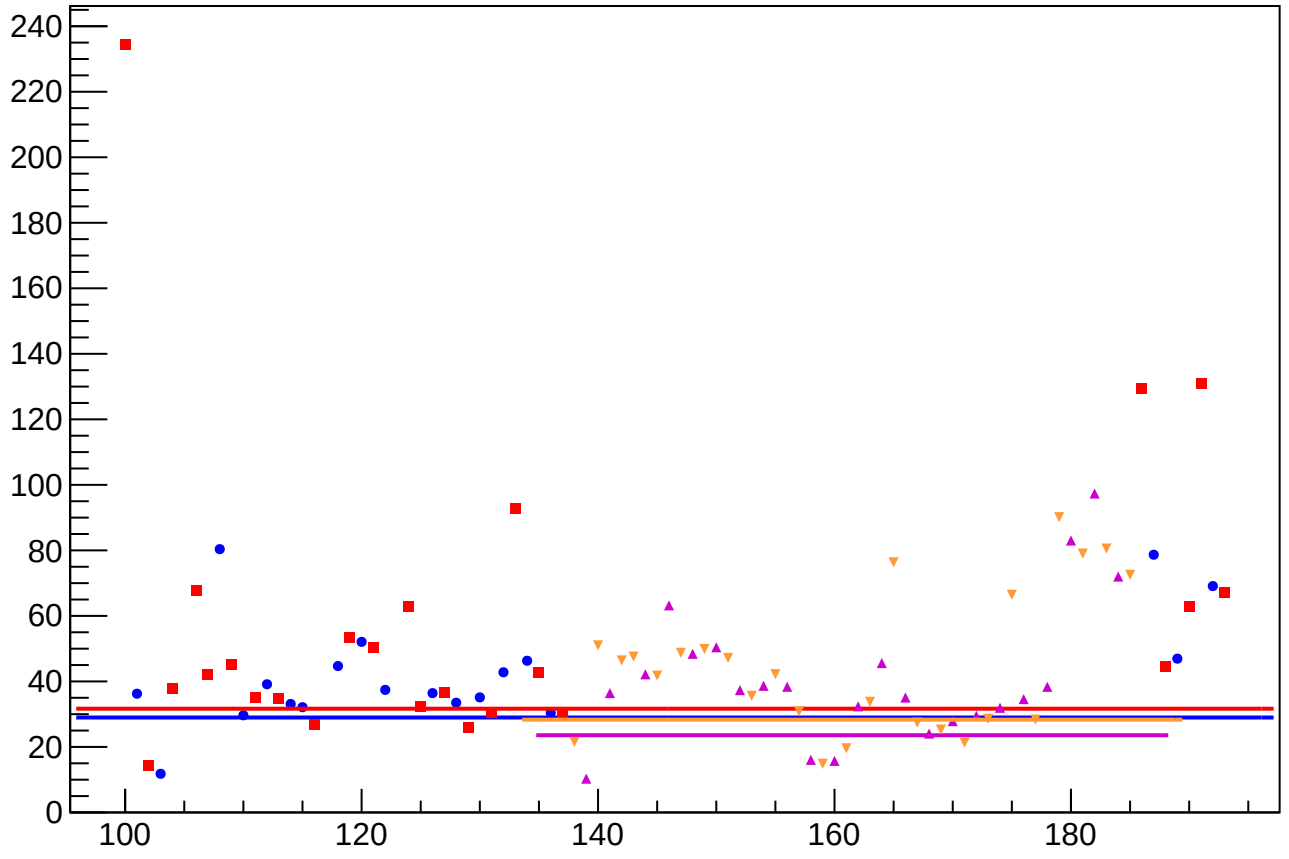
Right Out: 0.033+/-0.012 χ^2/NDF: 16.4/23

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: 115.5/90

- sign 0.009+/-0.006 χ^2/NDF: 46.7/46



Right In: 28.985+/-0.008 χ^2/NDF: 3353529.8/18

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

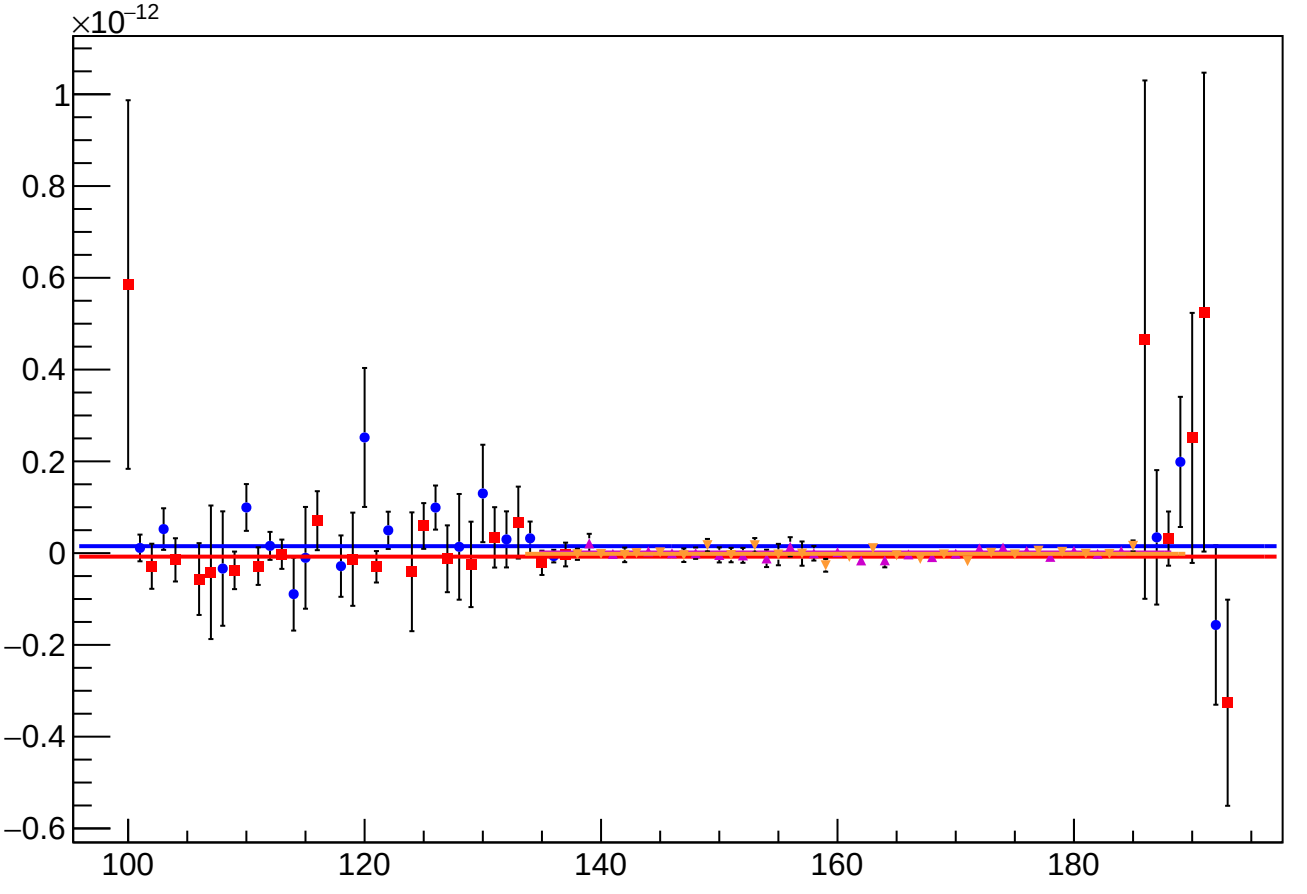
Right Out: 31.675+/-0.008 χ^2/NDF: 3952138.8/23

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.520+/-0.004 χ^2/NDF: 10146801.8/43

All: 26.925+/-0.003 χ^2/NDF: 23288266.2/90

- sign 25.541+/-0.004 χ^2/NDF: 12906252.3/46



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

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

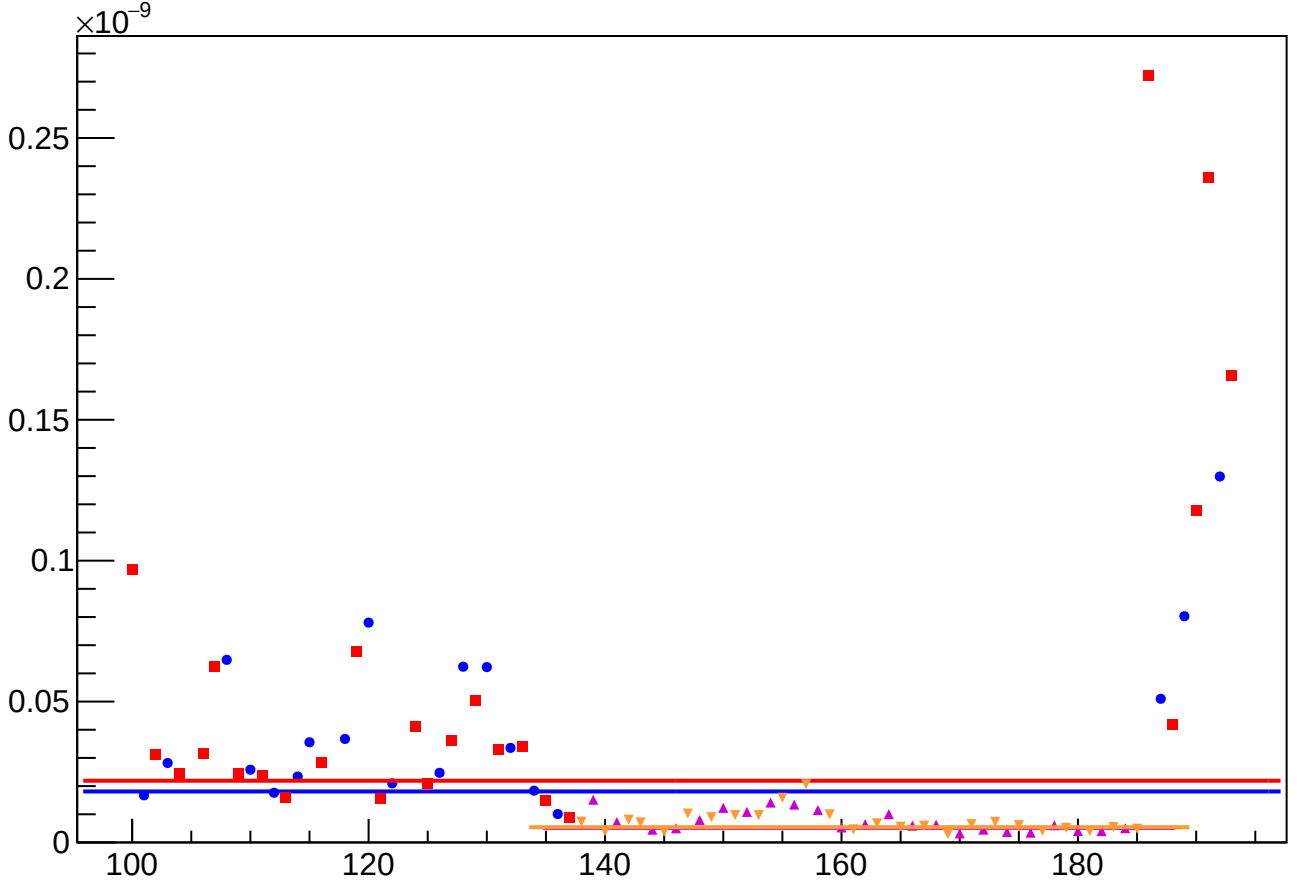
Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/23

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: 70.6/90

- sign 0.000+/-0.000 χ^2/NDF: 30.7/46



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: 3980852.5/23

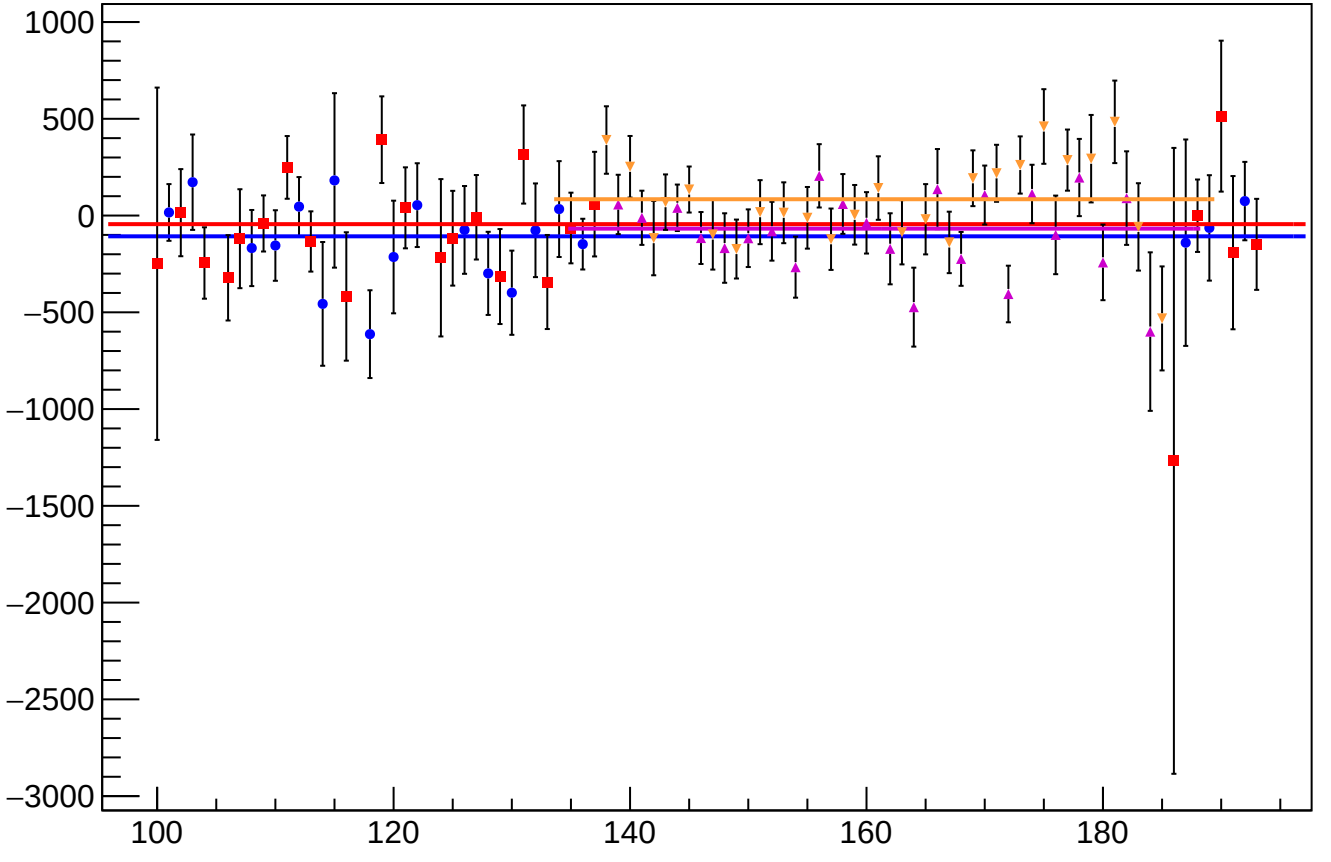
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10357204.2/43

All: 0.000+/-0.000 χ^2/NDF: 22579988.1/90

- sign 0.000+/-0.000 χ^2/NDF: 12203325.3/46

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: -44.423+/-46.554 χ^2/NDF: 20.0/23

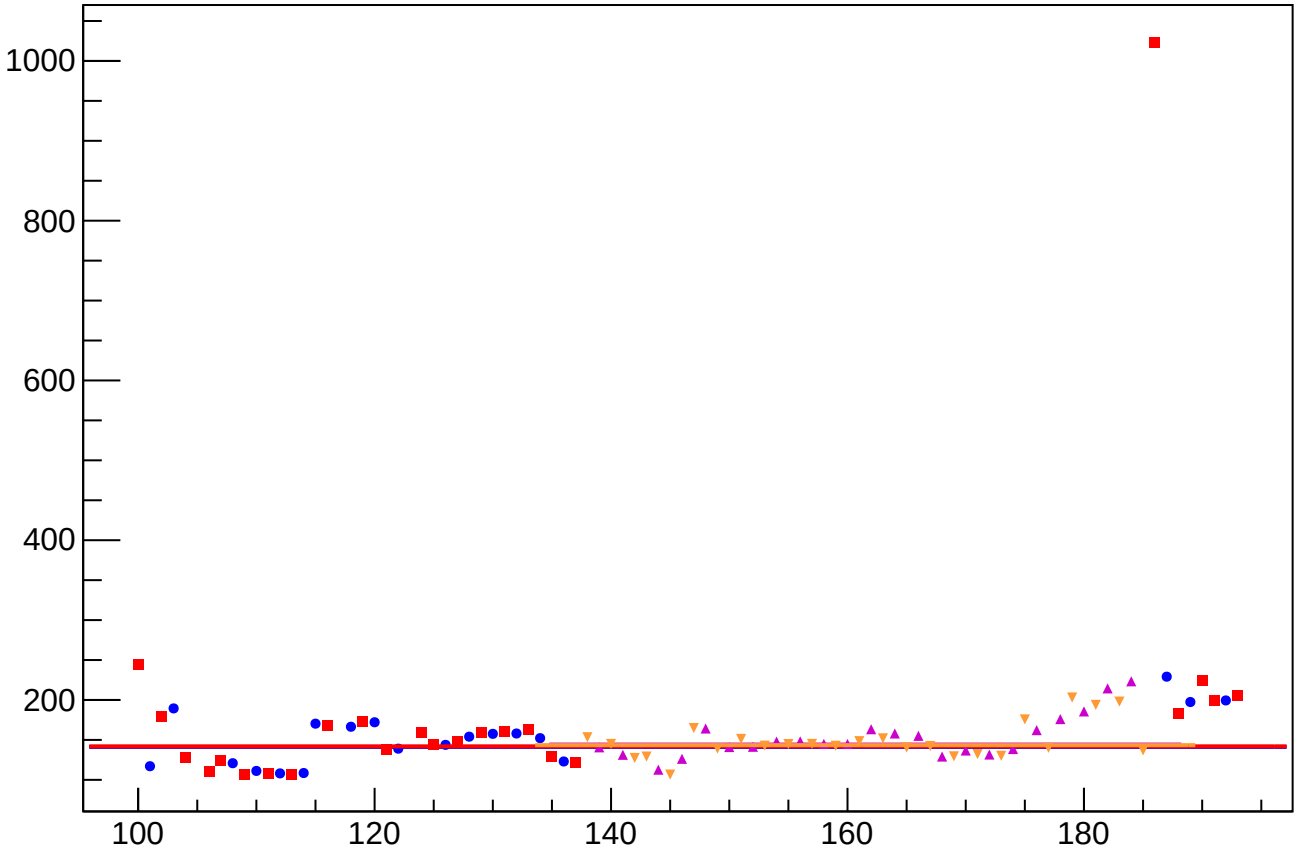
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 23.664+/-27.312 χ^2/NDF: 58.8/43

All: -17.602+/-19.389 χ^2/NDF: 110.1/90

- sign -59.525+/-27.529 χ^2/NDF: 46.7/46

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: 141.895+/-0.033 χ^2/NDF: 1525186.0/23

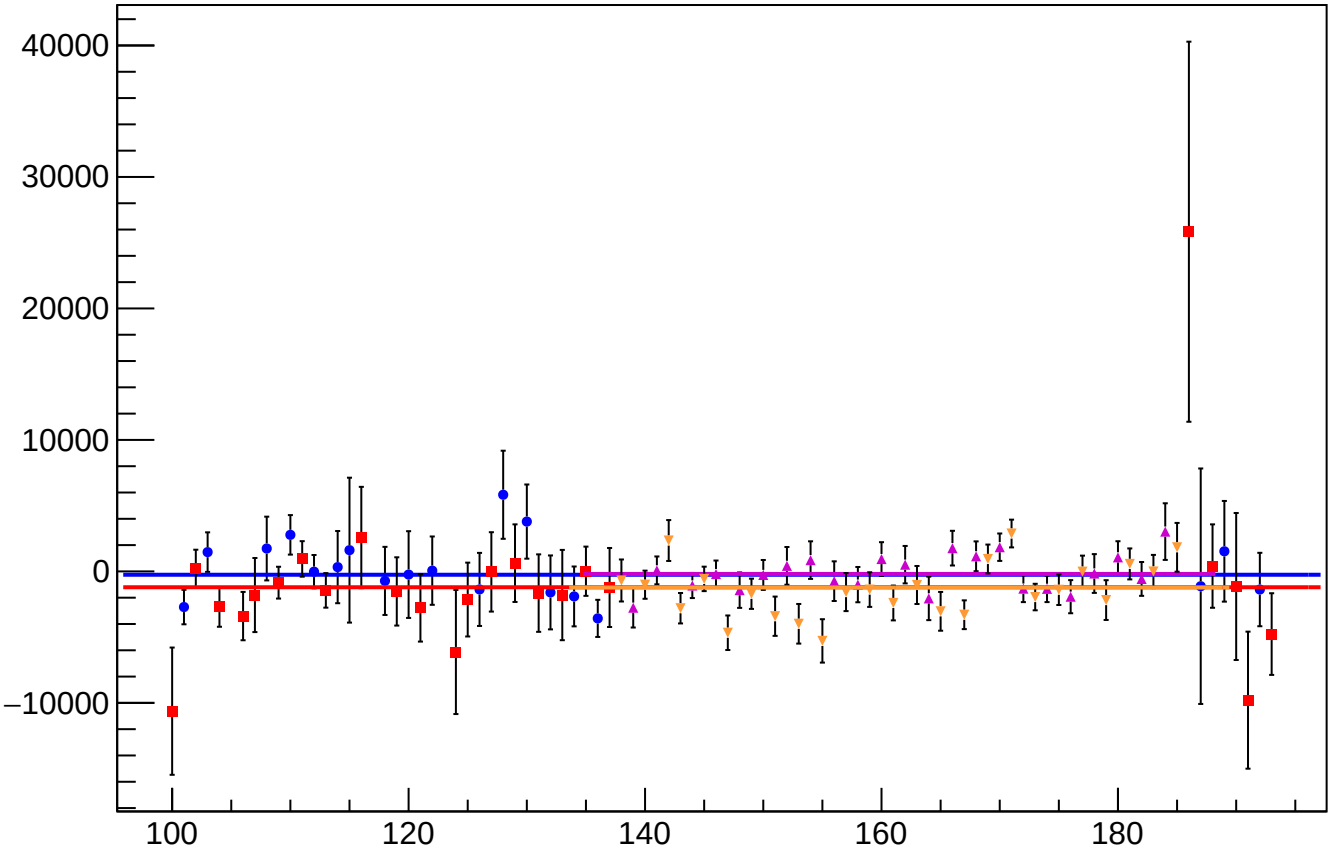
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 142.751+/-0.019 χ^2/NDF: 1503024.6/43

All: 143.061+/-0.014 χ^2/NDF: 3734549.0/90

- sign 143.375+/-0.019 χ^2/NDF: 2231007.4/46

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: -1205.865+/-454.801 χ^2/NDF: 21.2/23

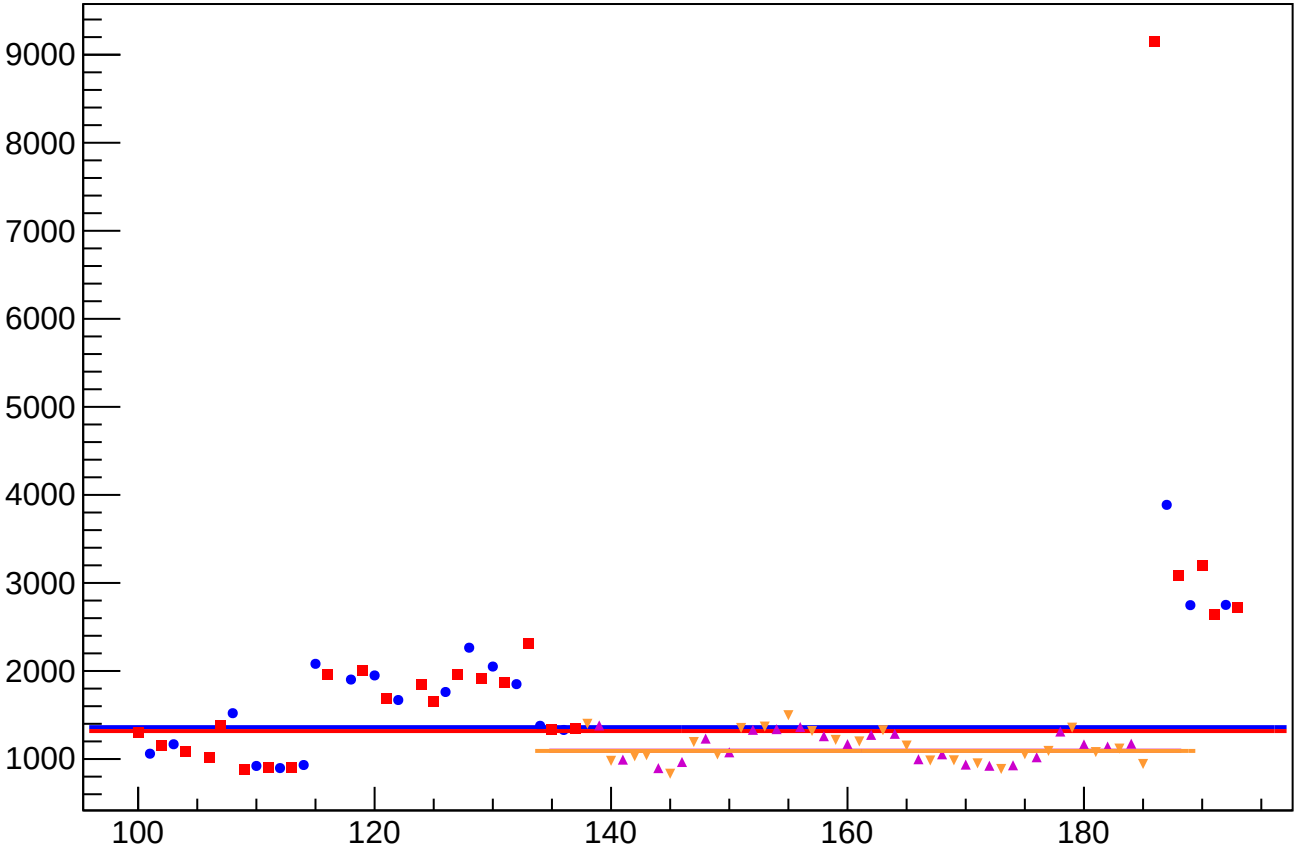
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1021.563+/-223.816 χ^2/NDF: 84.4/43

All: -733.094+/-158.683 χ^2/NDF: 136.0/90

- sign -441.534+/-225.012 χ^2/NDF: 48.3/46

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: 1317.600+/-0.322 χ^2/NDF: 3447576.0/23

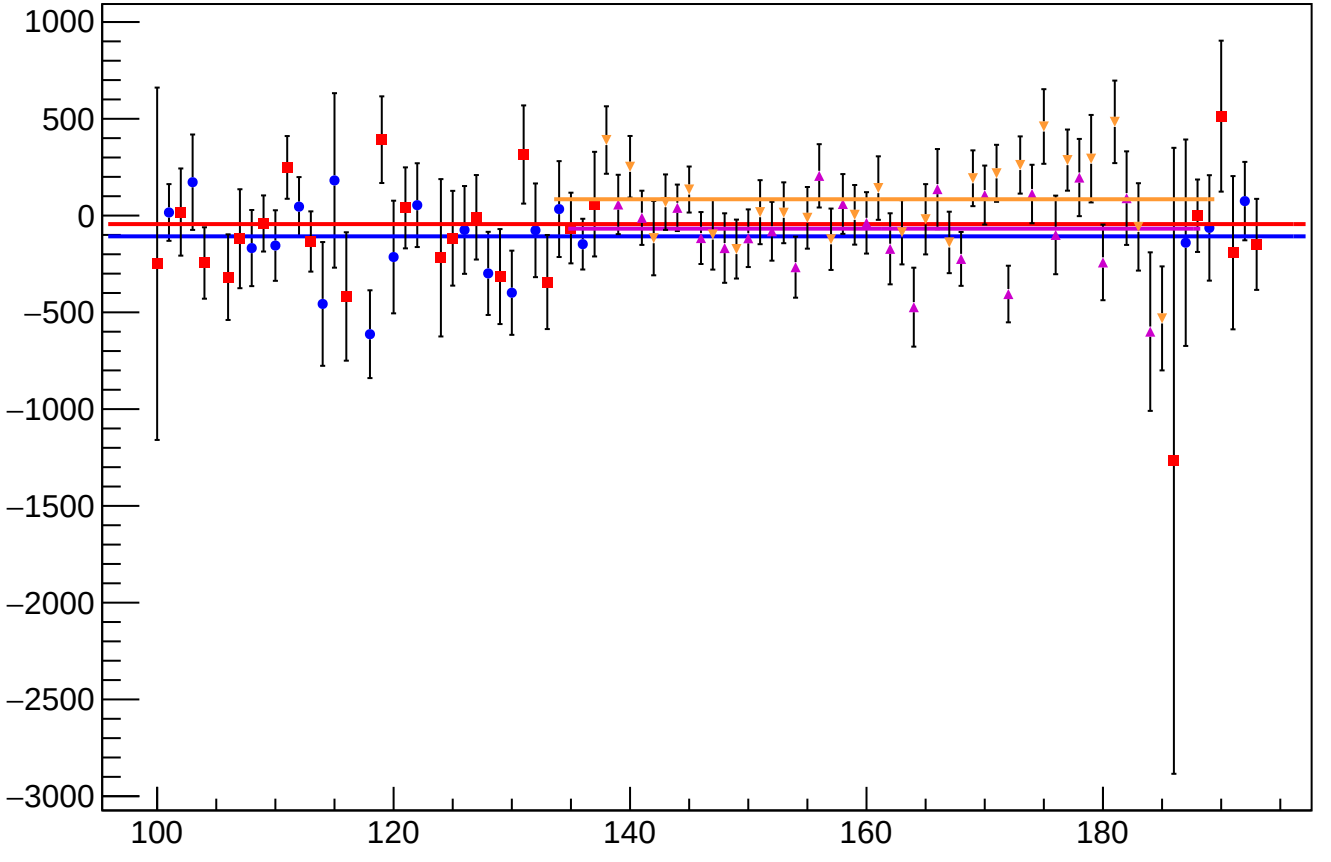
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1148.630+/-0.158 χ^2/NDF: 3507626.3/43

All: 1148.860+/-0.112 χ^2/NDF: 8051715.6/90

- sign 1149.093+/-0.159 χ^2/NDF: 4544085.0/46

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: -44.042+/-46.561 χ^2/NDF: 20.0/23

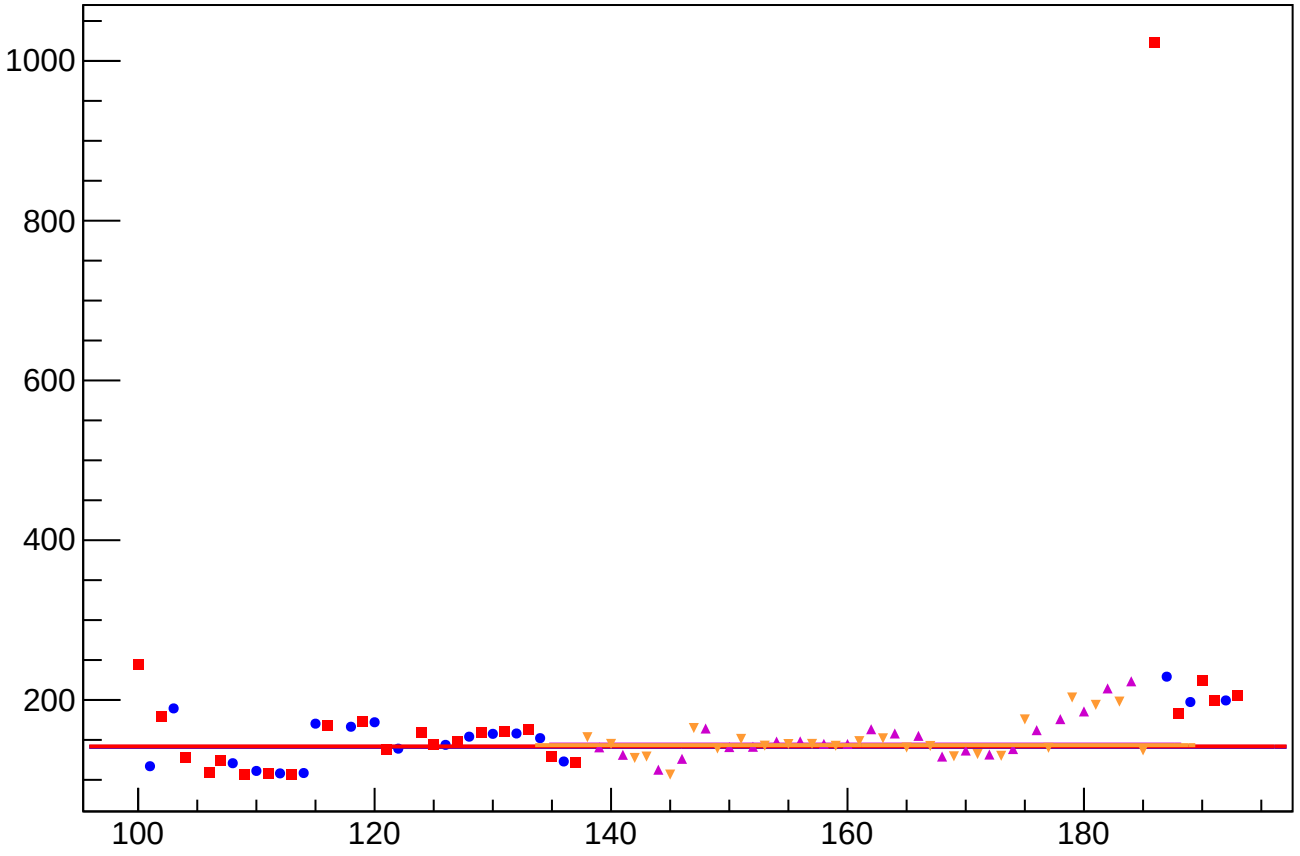
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 23.671+/-27.312 χ^2/NDF: 58.8/43

All: -17.531+/-19.389 χ^2/NDF: 110.0/90

- sign -59.395+/-27.530 χ^2/NDF: 46.7/46

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: 141.835+/-0.033 χ^2/NDF: 1529328.6/23

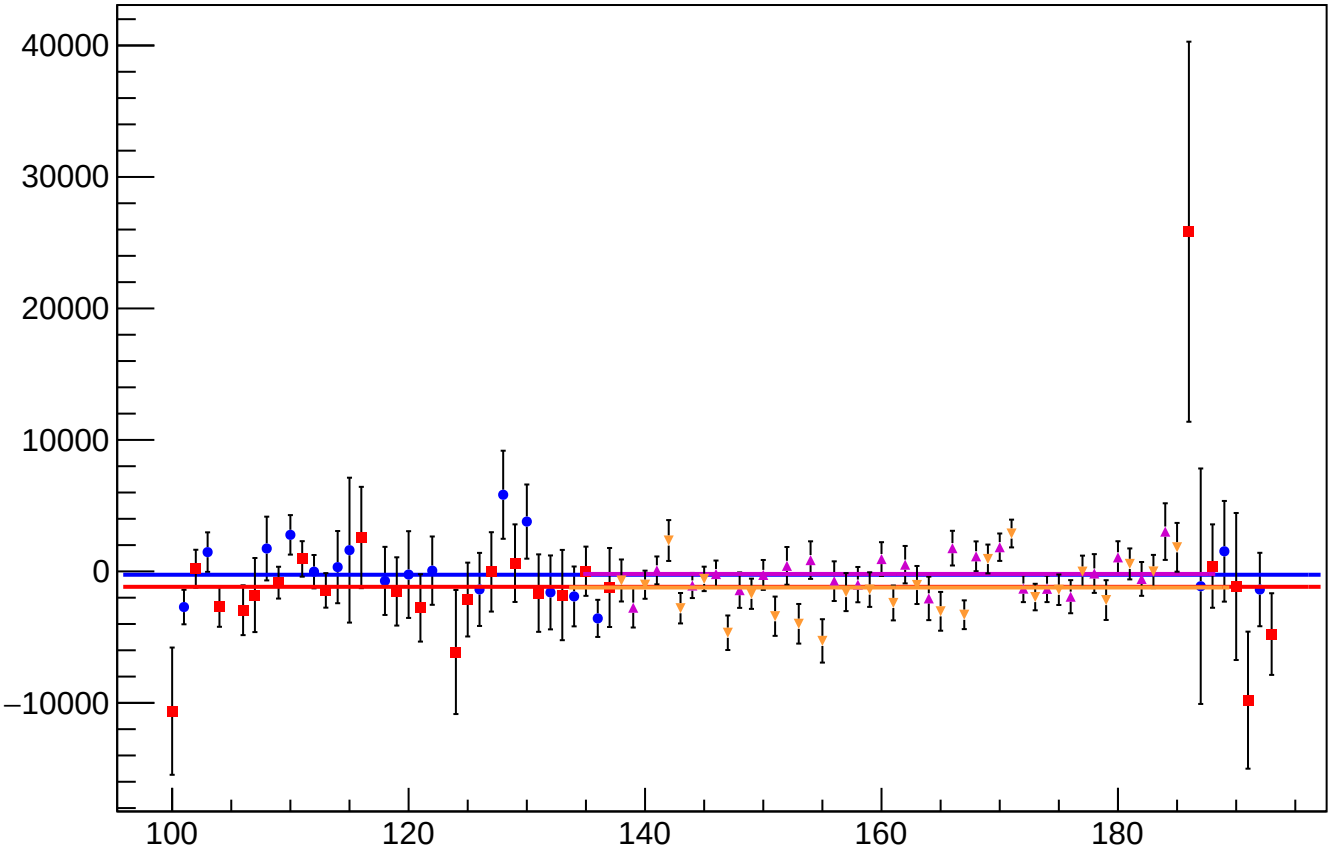
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 142.751+/-0.019 χ^2/NDF: 1503027.4/43

All: 143.050+/-0.014 χ^2/NDF: 3738826.1/90

- sign 143.354+/-0.019 χ^2/NDF: 2235315.8/46

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: -1172.888+/-455.646 χ^2/NDF: 20.6/23

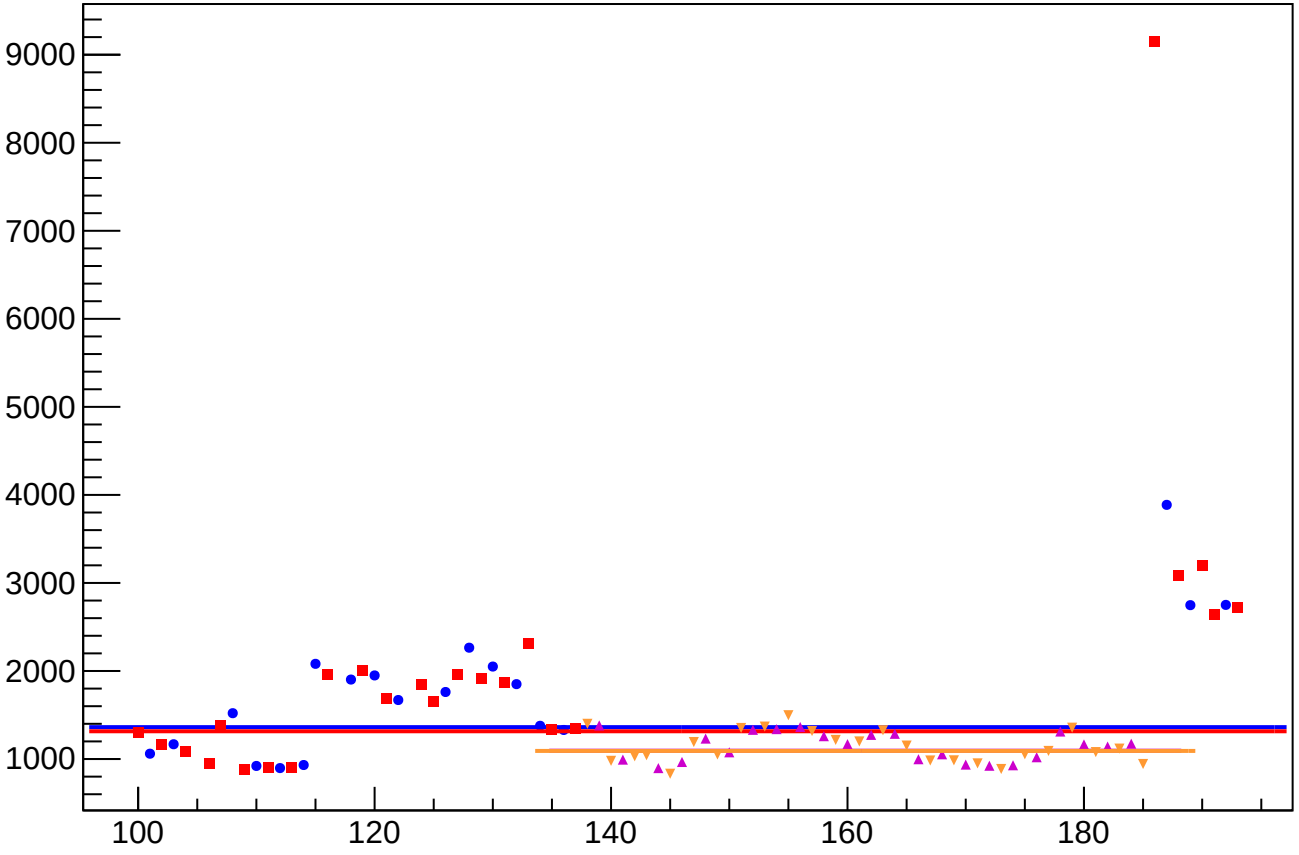
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1021.566+/-223.817 χ^2/NDF: 84.4/43

All: -728.881+/-158.719 χ^2/NDF: 135.2/90

- sign -432.793+/-225.114 χ^2/NDF: 47.4/46

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: 1315.189+/-0.322 χ^2/NDF: 3467074.6/23

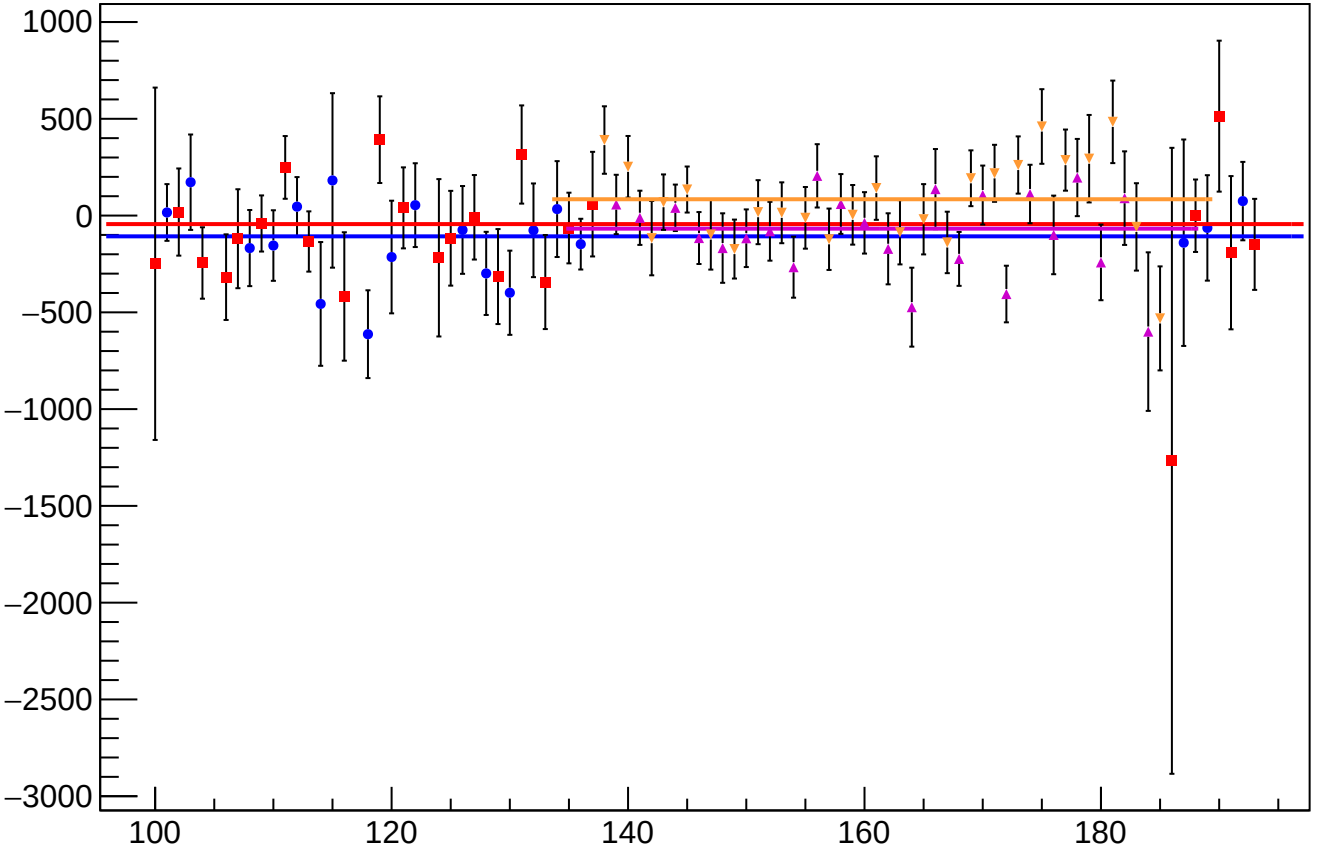
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1148.632+/-0.158 χ^2/NDF: 3507628.4/43

All: 1148.493+/-0.112 χ^2/NDF: 8062403.9/90

- sign 1148.352+/-0.159 χ^2/NDF: 4554774.0/46

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: -44.042+/-46.561 χ^2/NDF: 20.0/23

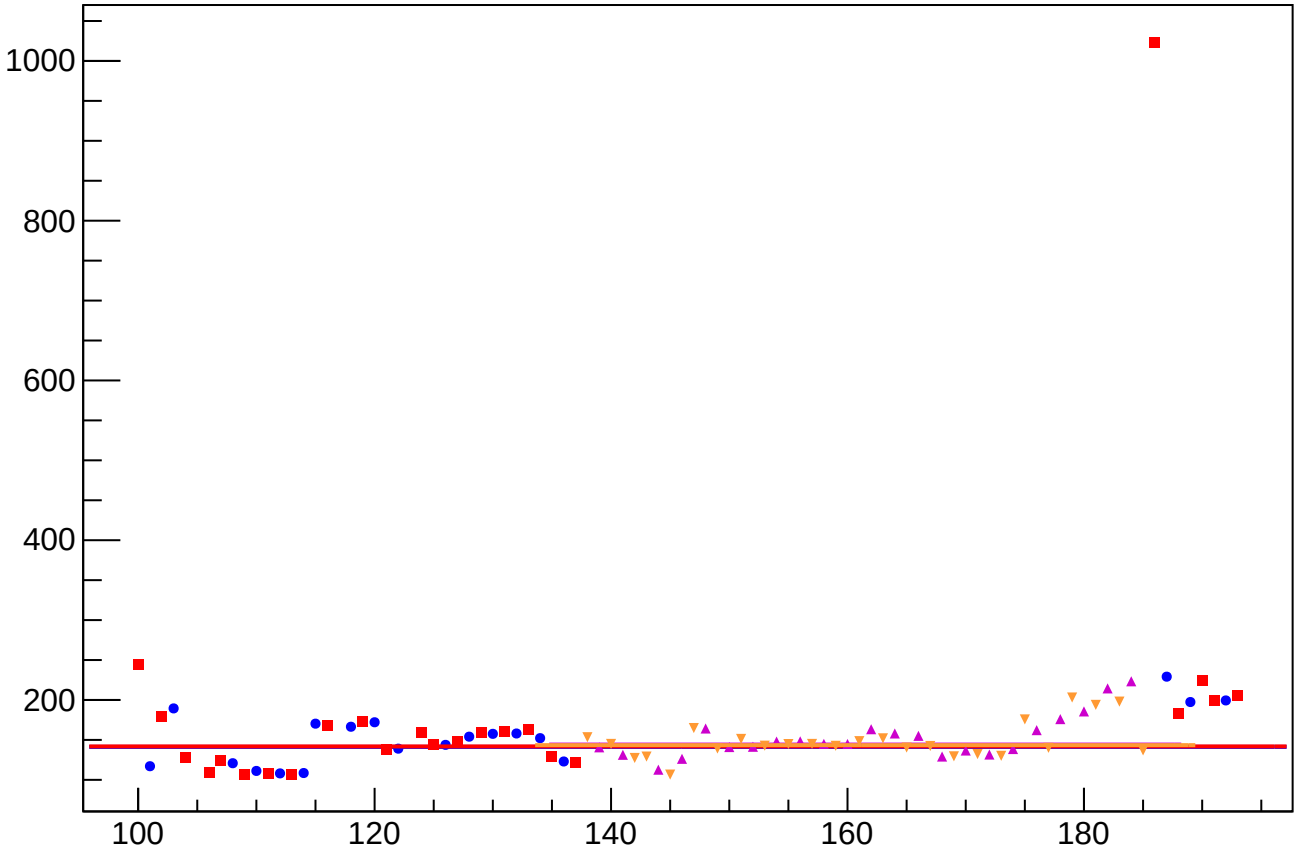
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 23.671+/-27.312 χ^2/NDF: 58.8/43

All: -17.531+/-19.389 χ^2/NDF: 110.0/90

- sign -59.395+/-27.530 χ^2/NDF: 46.7/46

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

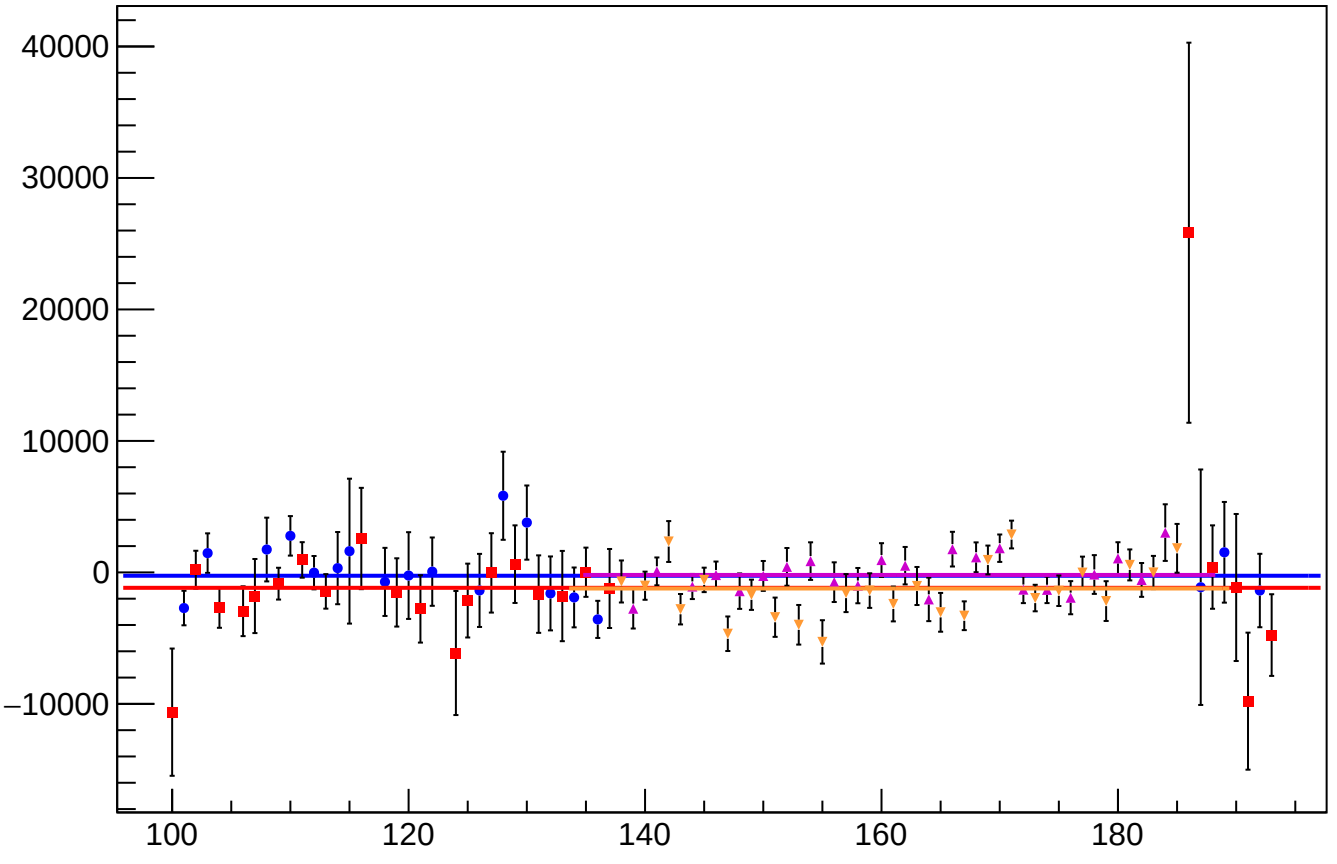
Right Out: 141.835+/-0.033 χ^2/NDF: 1529328.6/23

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 142.751+/-0.019 χ^2/NDF: 1503027.4/43

All: 143.050+/-0.014 χ^2/NDF: 3738826.1/90

- sign 143.354+/-0.019 χ^2/NDF: 2235315.8/46



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: -1172.888+/-455.646 χ^2/NDF: 20.6/23

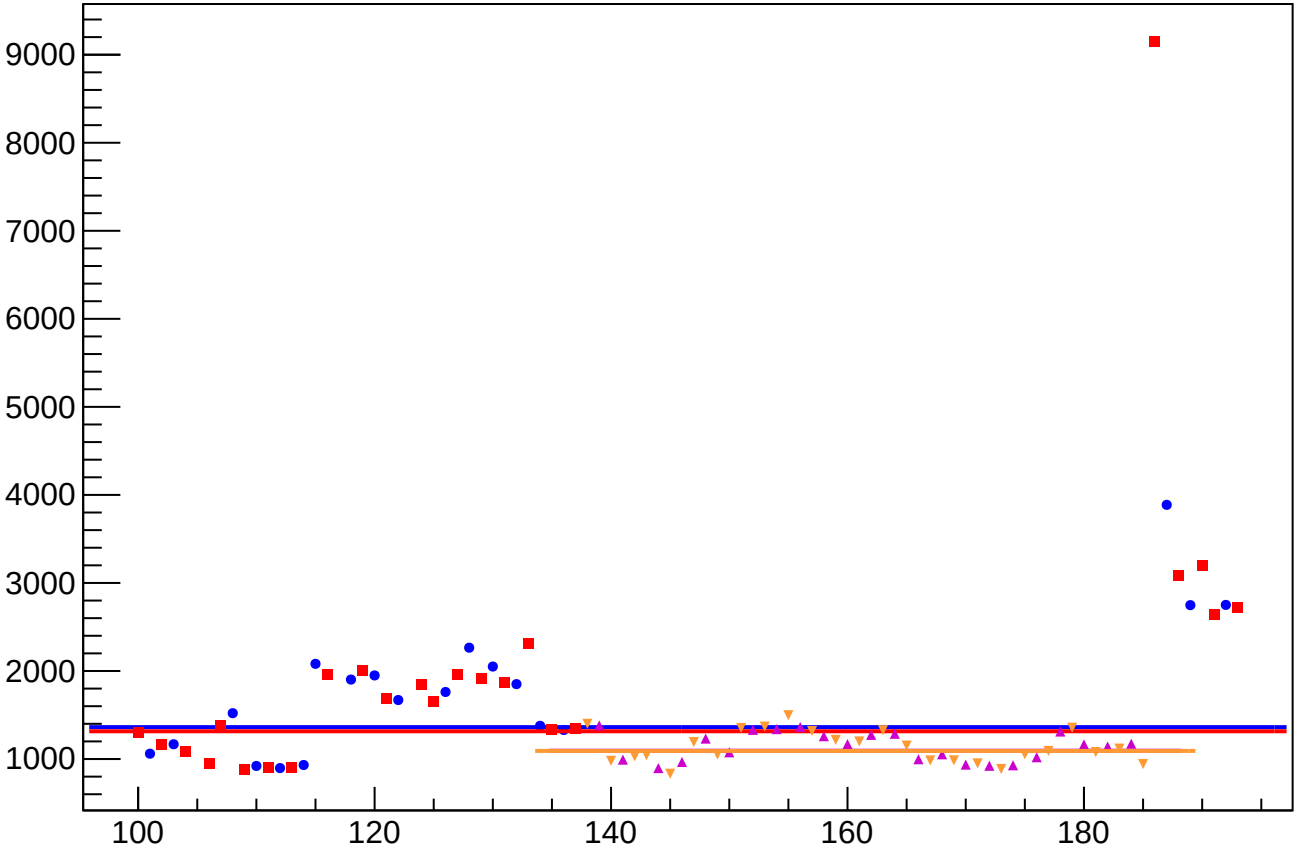
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1021.566+/-223.817 χ^2/NDF: 84.4/43

All: -728.881+/-158.719 χ^2/NDF: 135.2/90

- sign -432.793+/-225.114 χ^2/NDF: 47.4/46

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: 1315.189+/-0.322 χ^2/NDF: 3467074.6/23

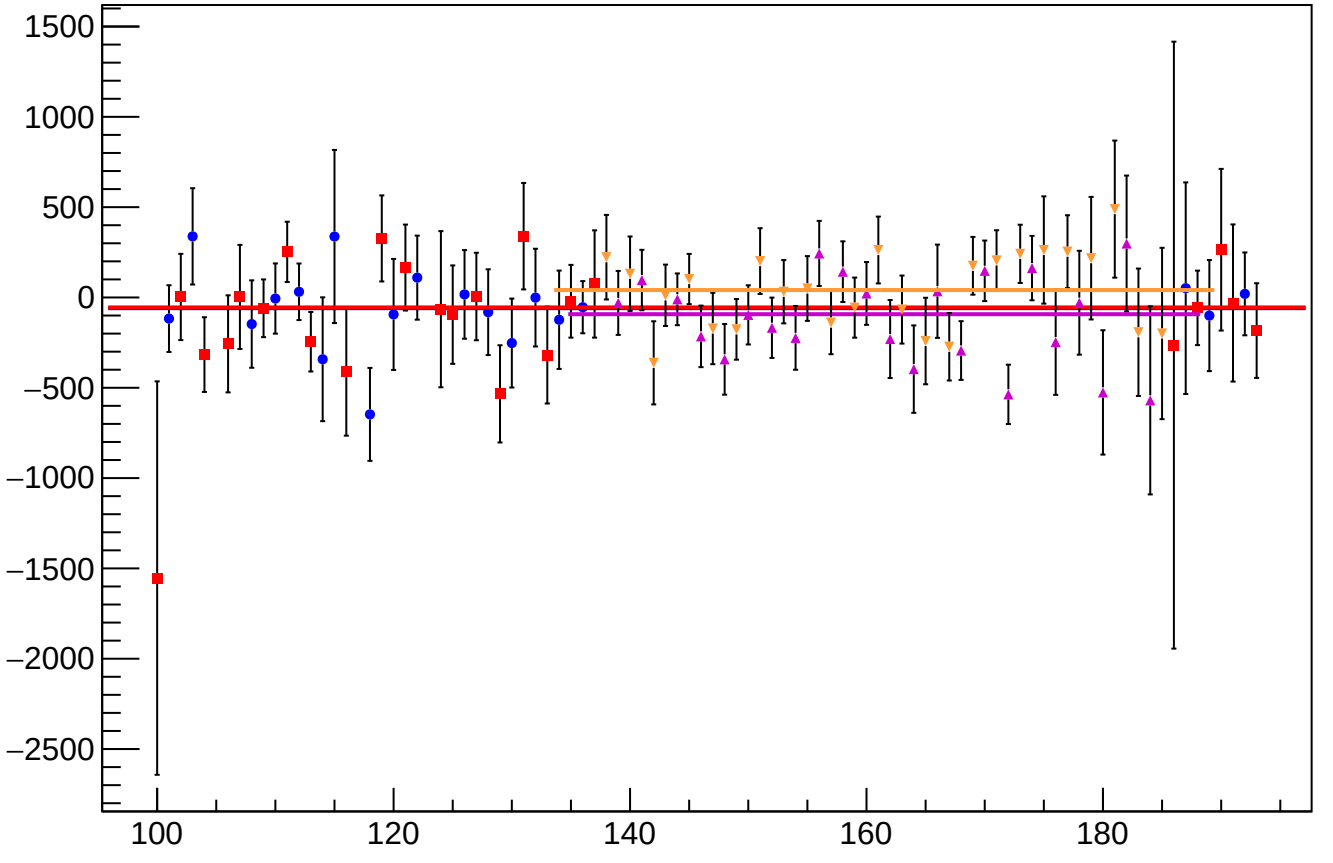
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1148.632+/-0.158 χ^2/NDF: 3507628.4/43

All: 1148.493+/-0.112 χ^2/NDF: 8062403.9/90

- sign 1148.352+/-0.159 χ^2/NDF: 4554774.0/46

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: -55.119+/-51.137 χ^2/NDF: 20.3/23

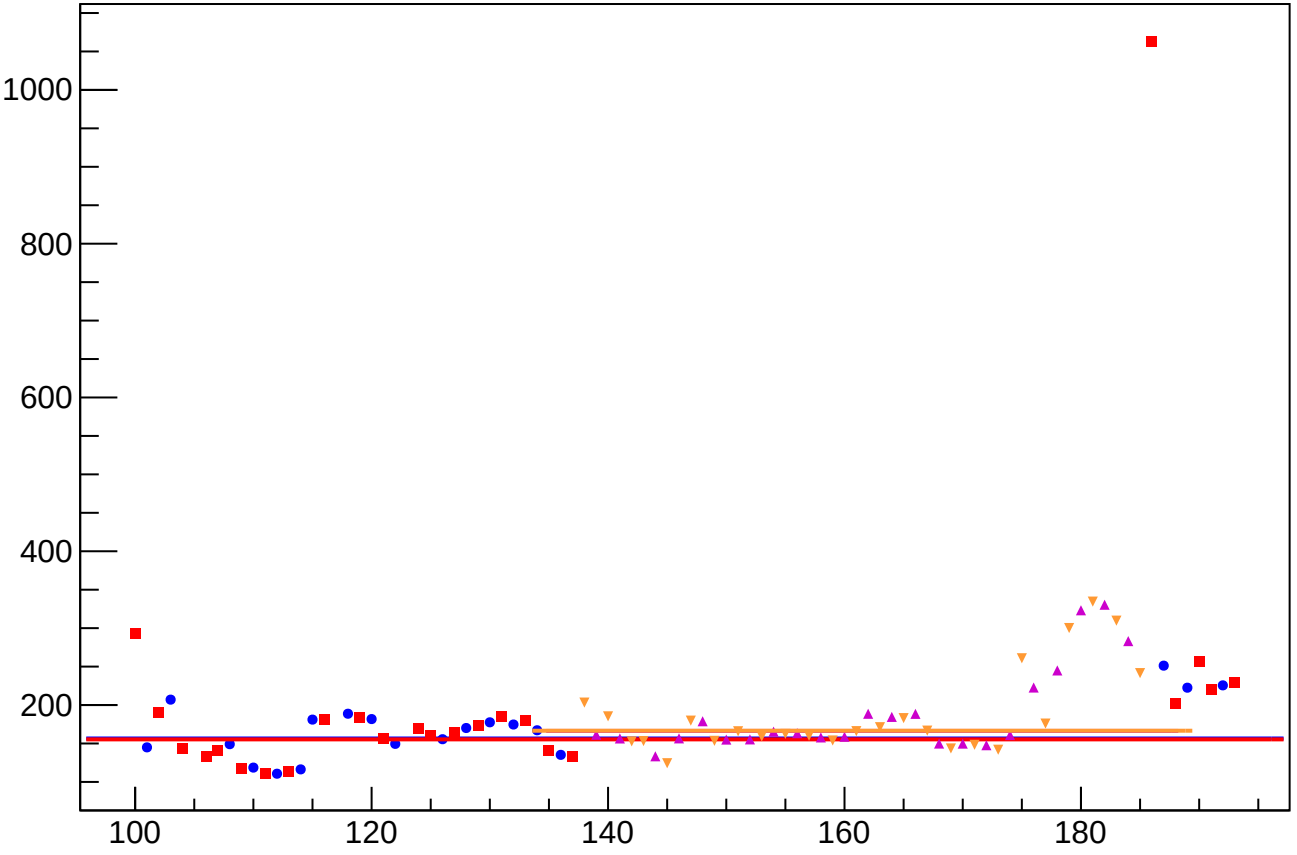
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 6.455+/-31.707 χ^2/NDF: 35.6/43

All: -36.069+/-22.378 χ^2/NDF: 89.3/90

- sign -78.273+/-31.587 χ^2/NDF: 50.1/46

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: 155.344+/-0.036 χ^2/NDF: 1577510.9/23

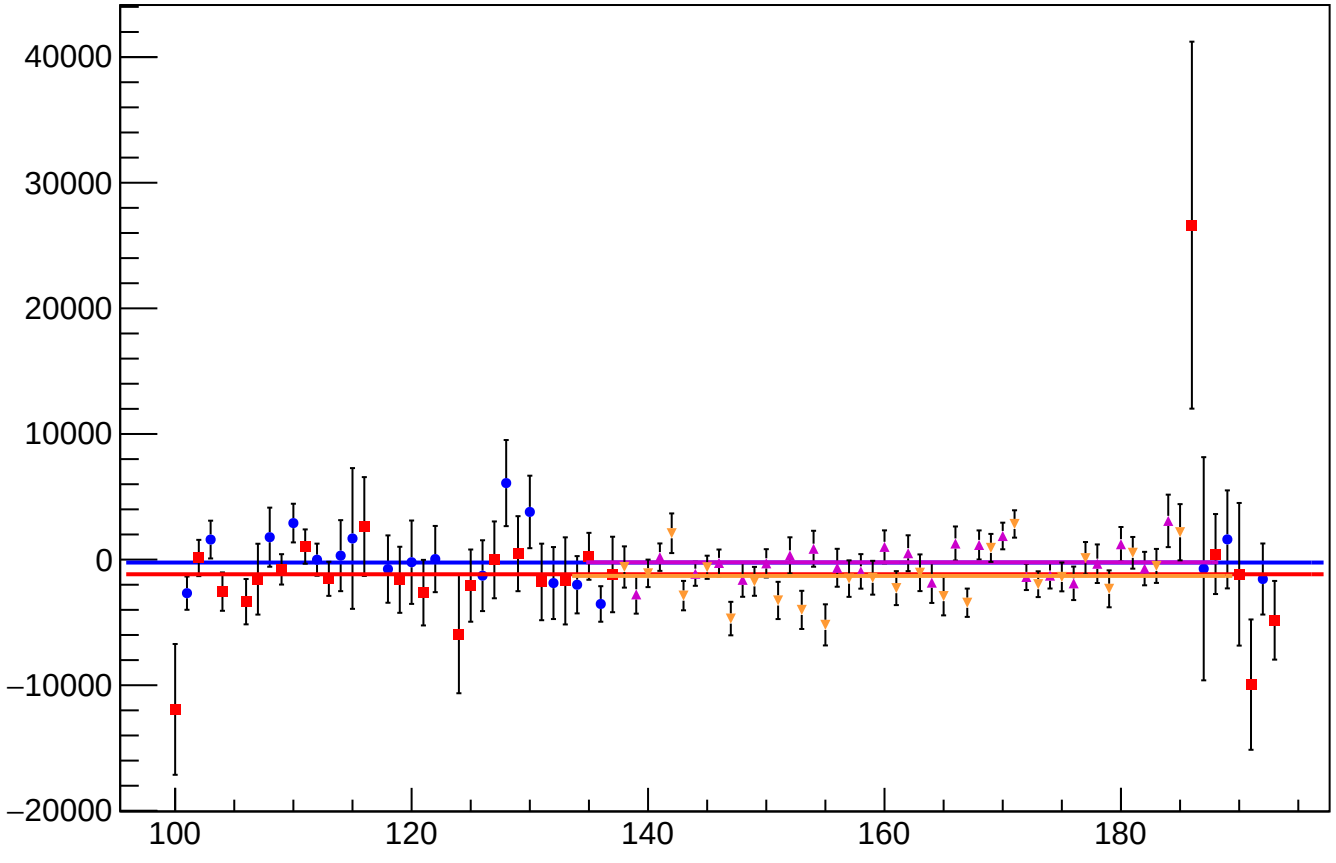
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 163.113+/-0.022 χ^2/NDF: 2576558.0/43

All: 162.617+/-0.016 χ^2/NDF: 5604370.0/90

- sign 162.125+/-0.022 χ^2/NDF: 3026837.6/46

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: -1166.335+/-458.995 χ^2/NDF: 21.8/23

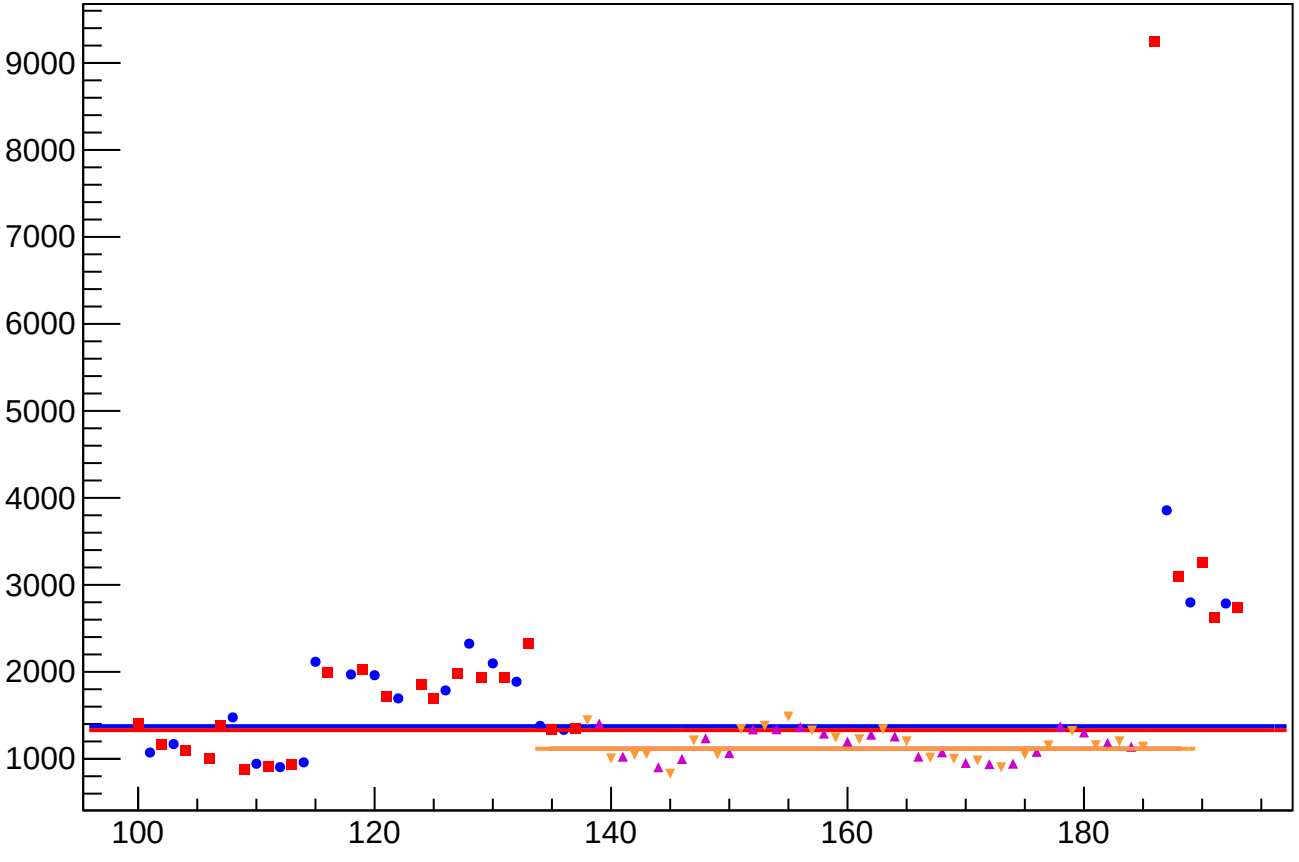
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1071.288+/-227.916 χ^2/NDF: 81.1/43

All: -764.104+/-161.578 χ^2/NDF: 131.9/90

- sign -453.724+/-229.099 χ^2/NDF: 47.2/46

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: 1330.203+/-0.325 χ^2/NDF: 3462749.1/23

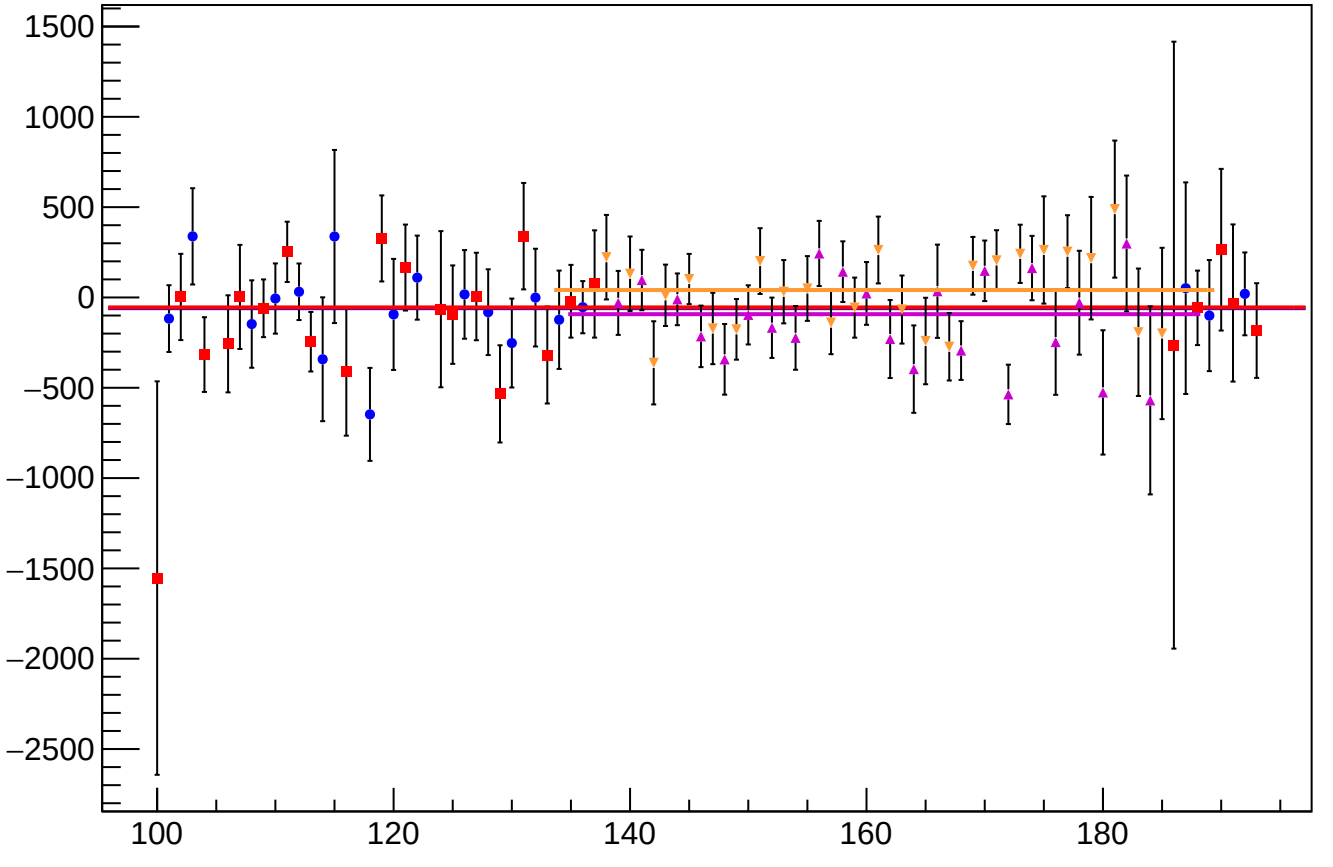
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1171.371+/-0.161 χ^2/NDF: 3450395.8/43

All: 1171.057+/-0.114 χ^2/NDF: 7964031.1/90

- sign 1170.740+/-0.162 χ^2/NDF: 4513627.7/46

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: -55.118+/-51.137 χ^2/NDF: 20.3/23

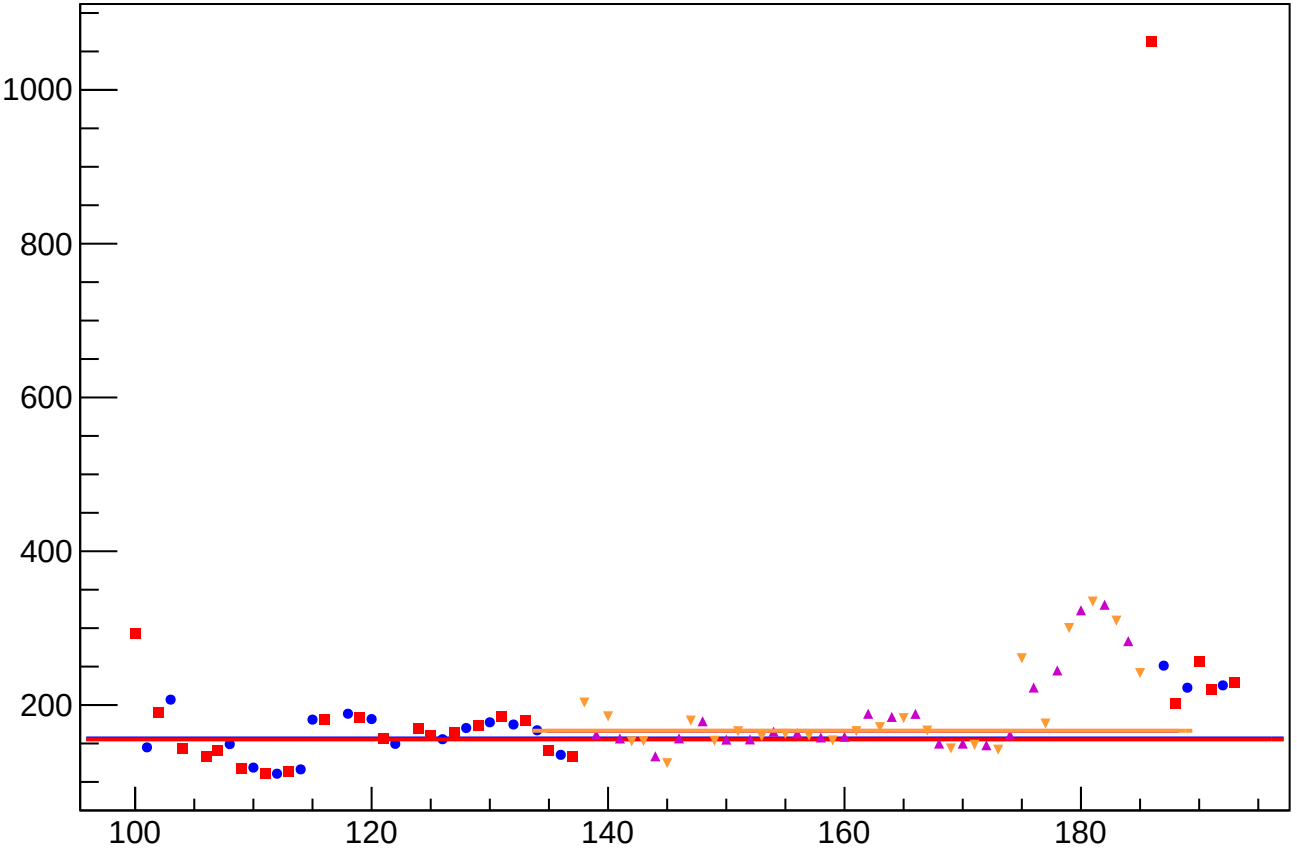
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 6.458+/-31.707 χ^2/NDF: 35.6/43

All: -36.067+/-22.378 χ^2/NDF: 89.3/90

- sign -78.272+/-31.587 χ^2/NDF: 50.1/46

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

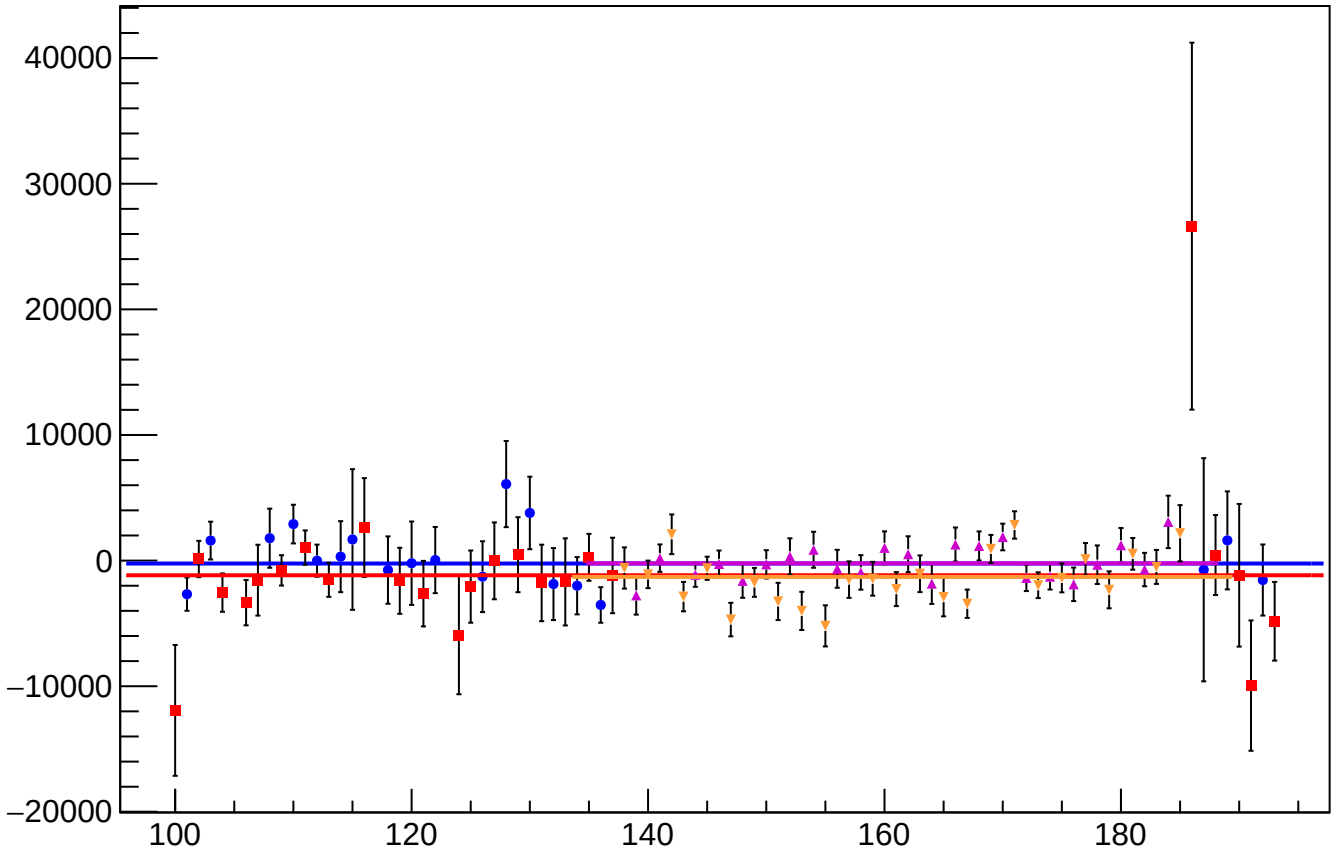
Right Out: 155.344+/-0.036 χ^2/NDF: 1577512.3/23

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 163.113+/-0.022 χ^2/NDF: 2576550.3/43

All: 162.617+/-0.016 χ^2/NDF: 5604346.6/90

- sign 162.125+/-0.022 χ^2/NDF: 3026821.8/46



Right In: -233.834+/-493.505 χ^2/NDF: 22.3/18

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

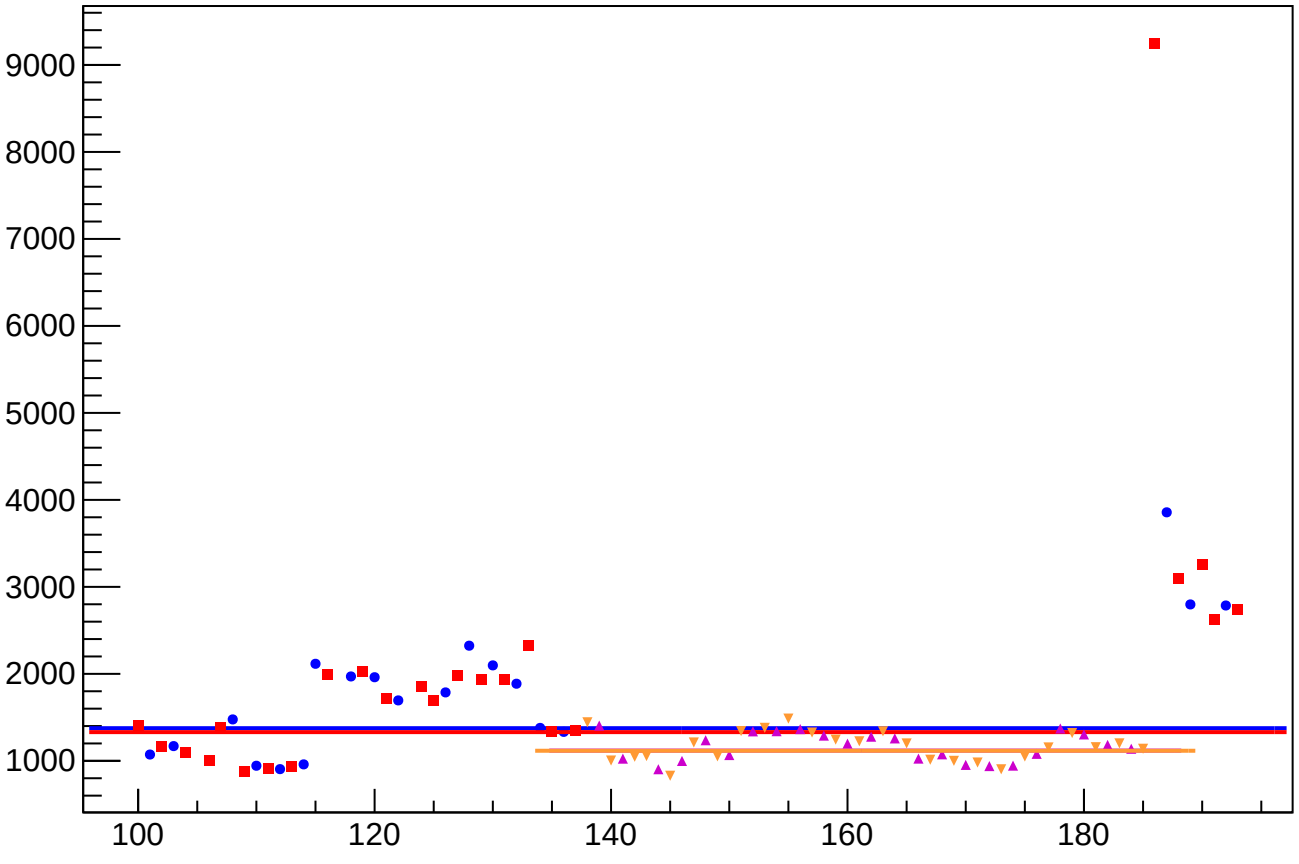
Right Out: -1166.333+/-458.995 χ^2/NDF: 21.8/23

Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1071.286+/-227.916 χ^2/NDF: 81.1/43

All: -764.102+/-161.577 χ^2/NDF: 131.9/90

- sign -453.722+/-229.099 χ^2/NDF: 47.2/46



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: 1330.201+/-0.325 χ^2/NDF: 3462747.9/23

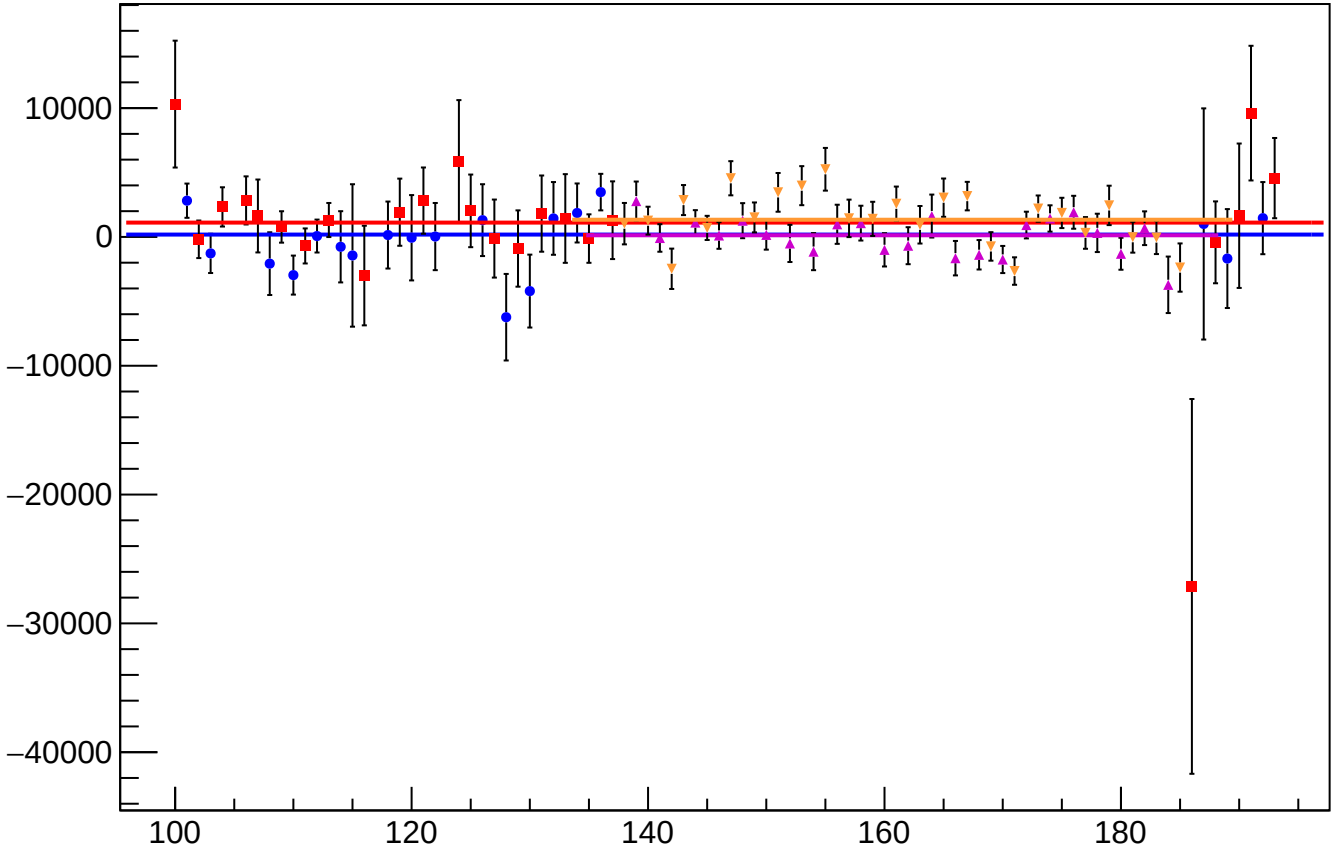
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1171.369+/-0.161 χ^2/NDF: 3450402.4/43

All: 1171.055+/-0.114 χ^2/NDF: 7964037.8/90

- sign 1170.738+/-0.162 χ^2/NDF: 4513627.7/46

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: 1112.578+/-458.171 χ^2/NDF: 19.5/23

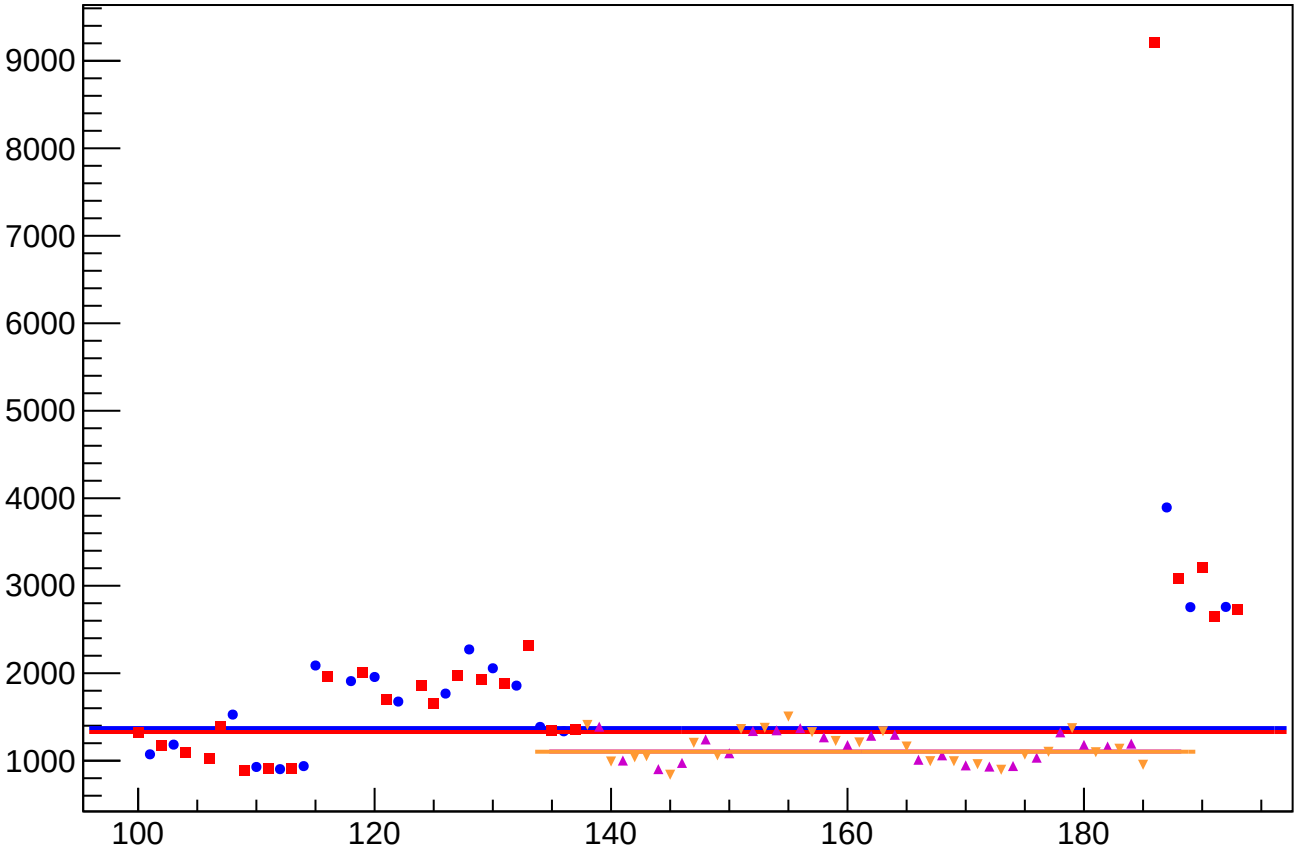
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

\+ sign 1092.249+/-225.853 χ^2/NDF: 83.0/43

All: 733.084+/-160.126 χ^2/NDF: 135.1/90

\- sign 370.081+/-227.057 χ^2/NDF: 47.0/46

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

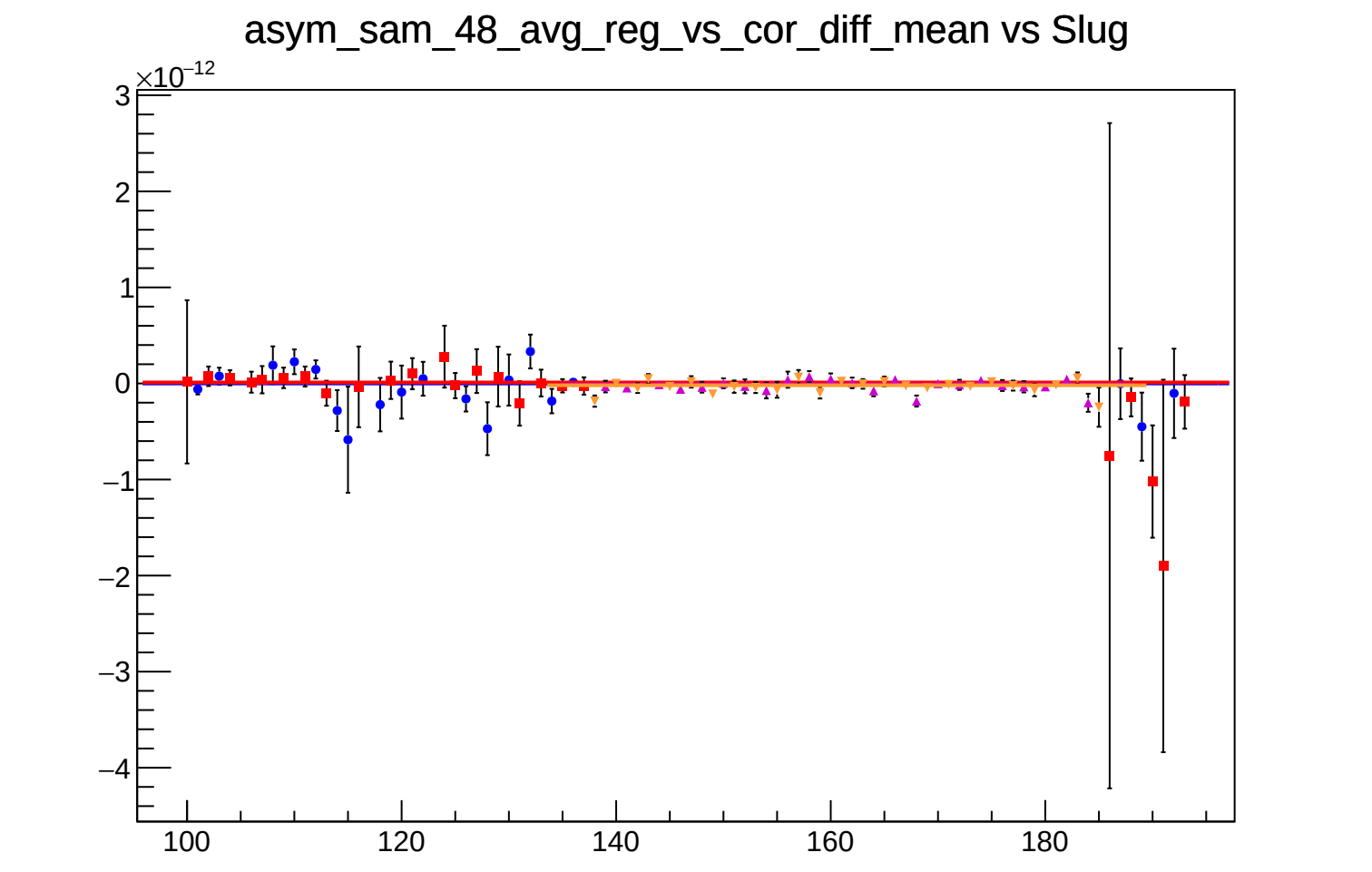
Right Out: 1328.101+/-0.324 χ^2/NDF: 3420303.6/23

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1159.599+/-0.160 χ^2/NDF: 3463779.8/43

All: 1159.770+/-0.113 χ^2/NDF: 7964504.3/90

- sign 1159.942+/-0.161 χ^2/NDF: 4500722.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

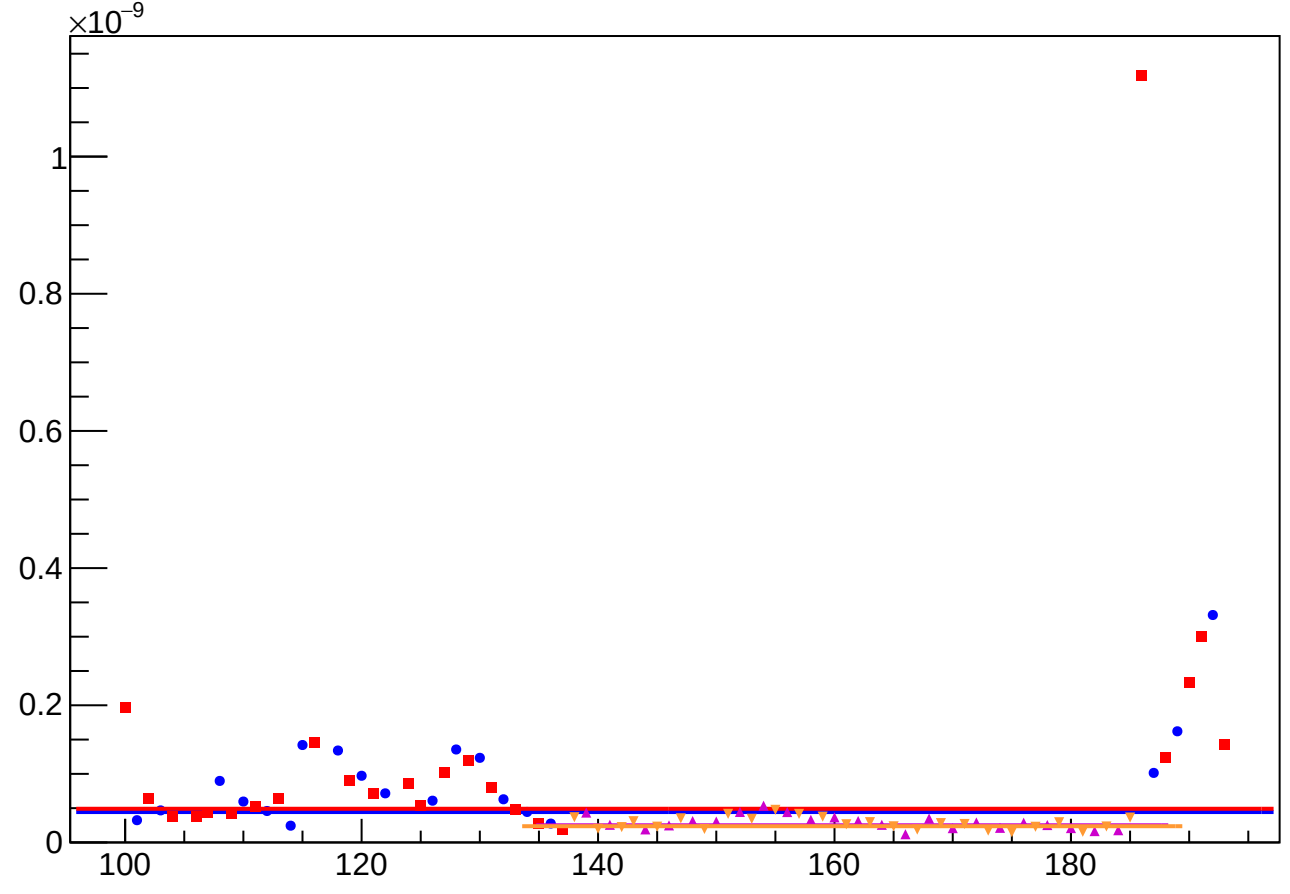
Right Out: 0.000+/-0.000 χ^2/NDF: 10.1/23

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: 88.8/90

- sign -0.000+/-0.000 χ^2/NDF: 37.8/46



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: 2070721.5/23

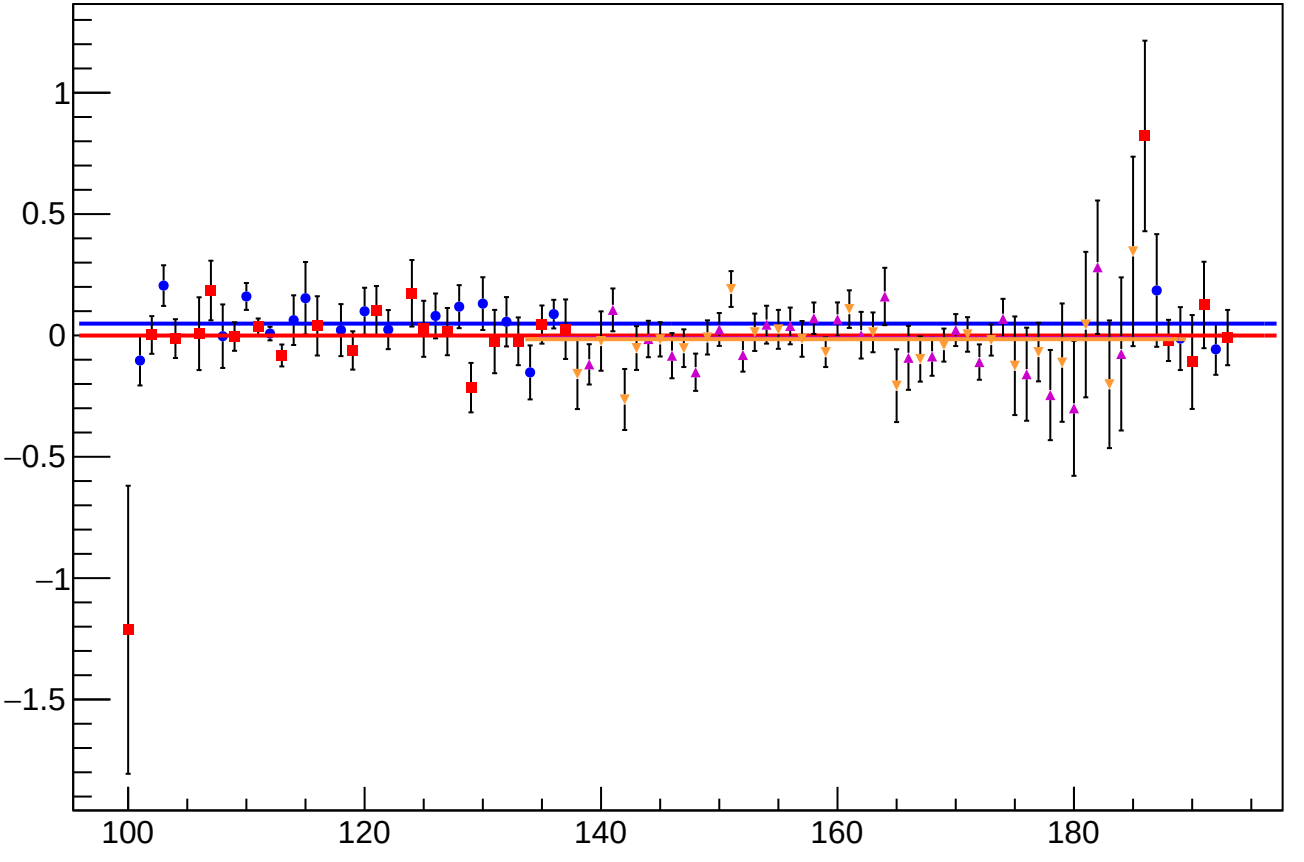
Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 4892502.1/43

All: 0.000+/-0.000 χ^2/NDF: 9828368.7/90

- sign 0.000+/-0.000 χ^2/NDF: 4893122.7/46

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: 24.5/23

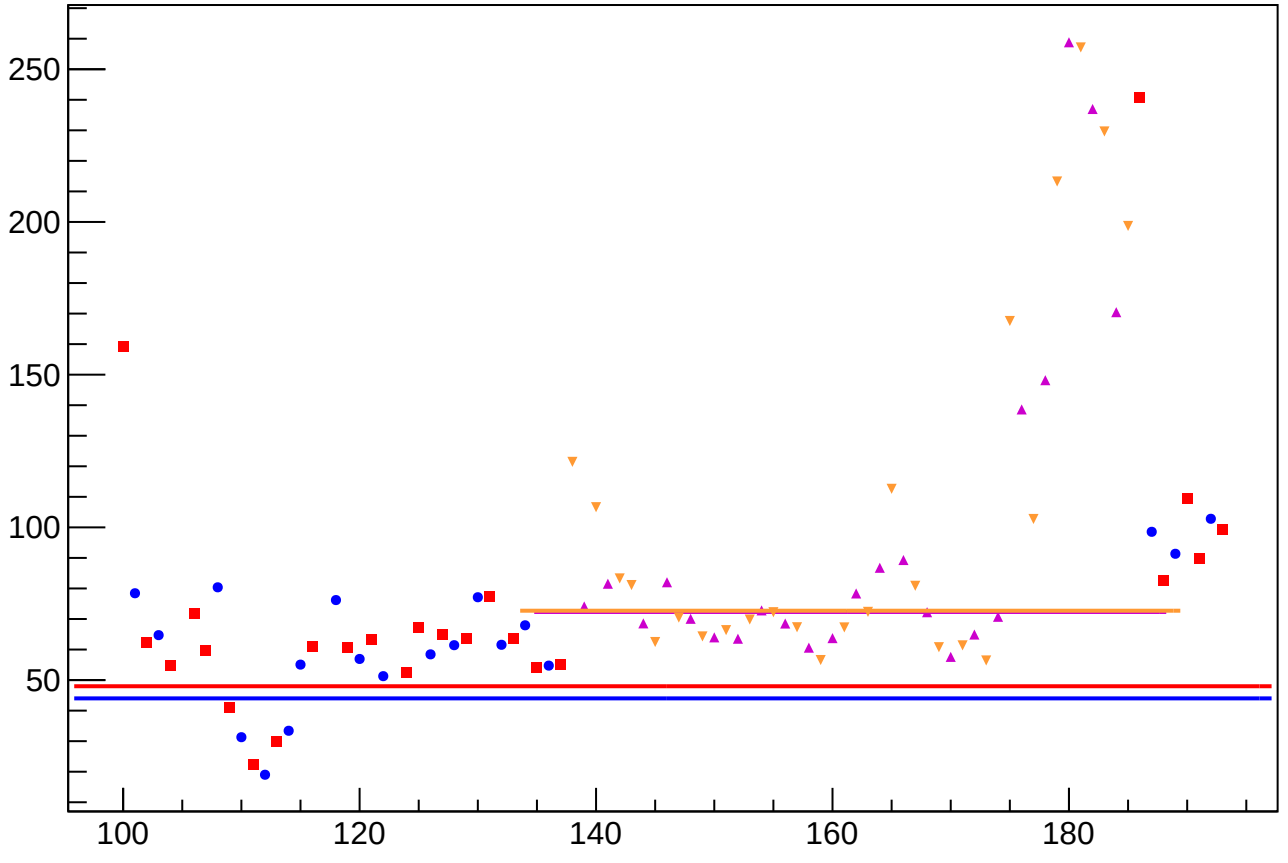
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.8/43

All: 0.006+/-0.009 χ^2/NDF: 97.6/90

- sign -0.006+/-0.013 χ^2/NDF: 48.0/46

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

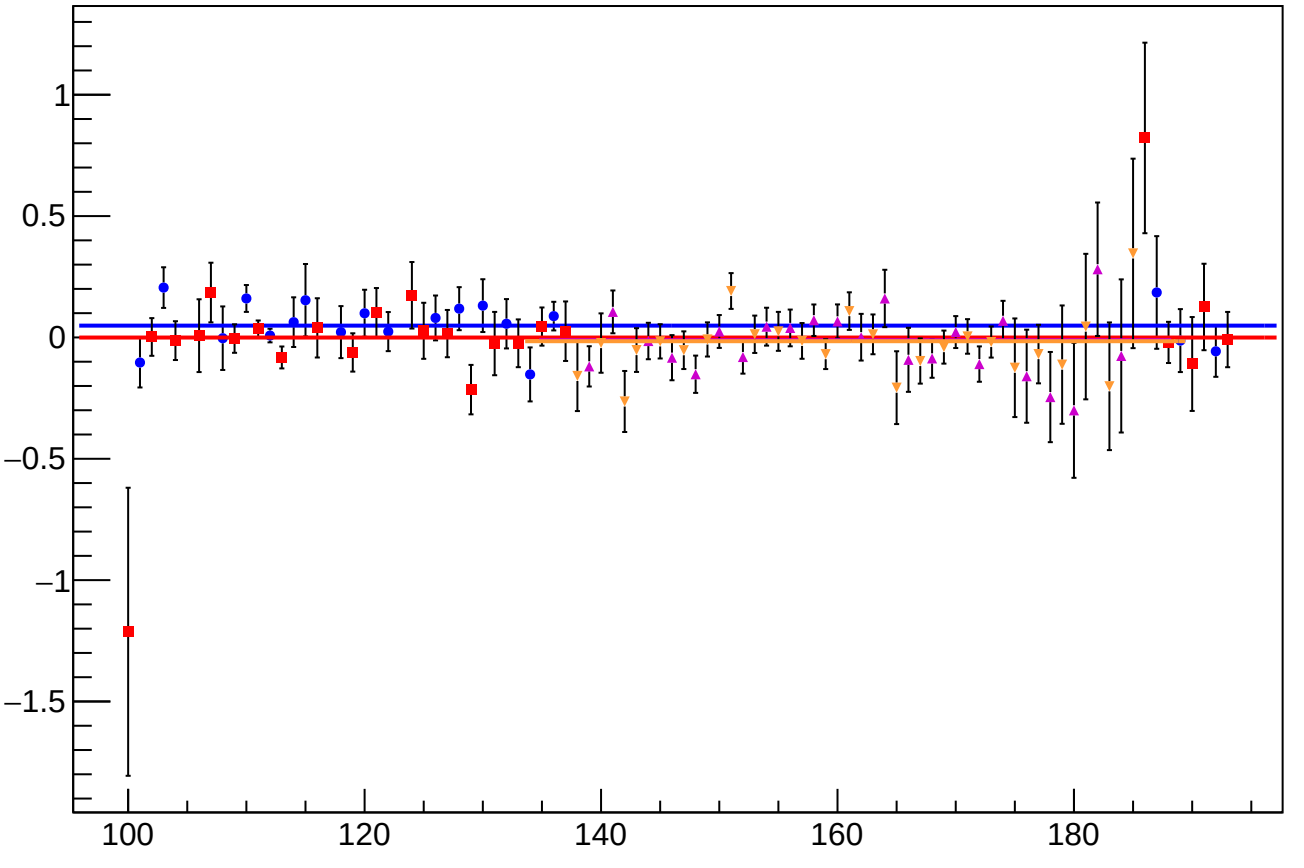
Right Out: 47.984+/-0.012 χ^2/NDF: 3690614.6/23

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 57.838+/-0.009 χ^2/NDF: 10589335.9/43

All: 58.615+/-0.006 χ^2/NDF: 18968284.3/90

- sign 59.397+/-0.009 χ^2/NDF: 8363363.0/46



Right In: 0.049+/-0.017 χ^2/NDF: 19.6/18

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

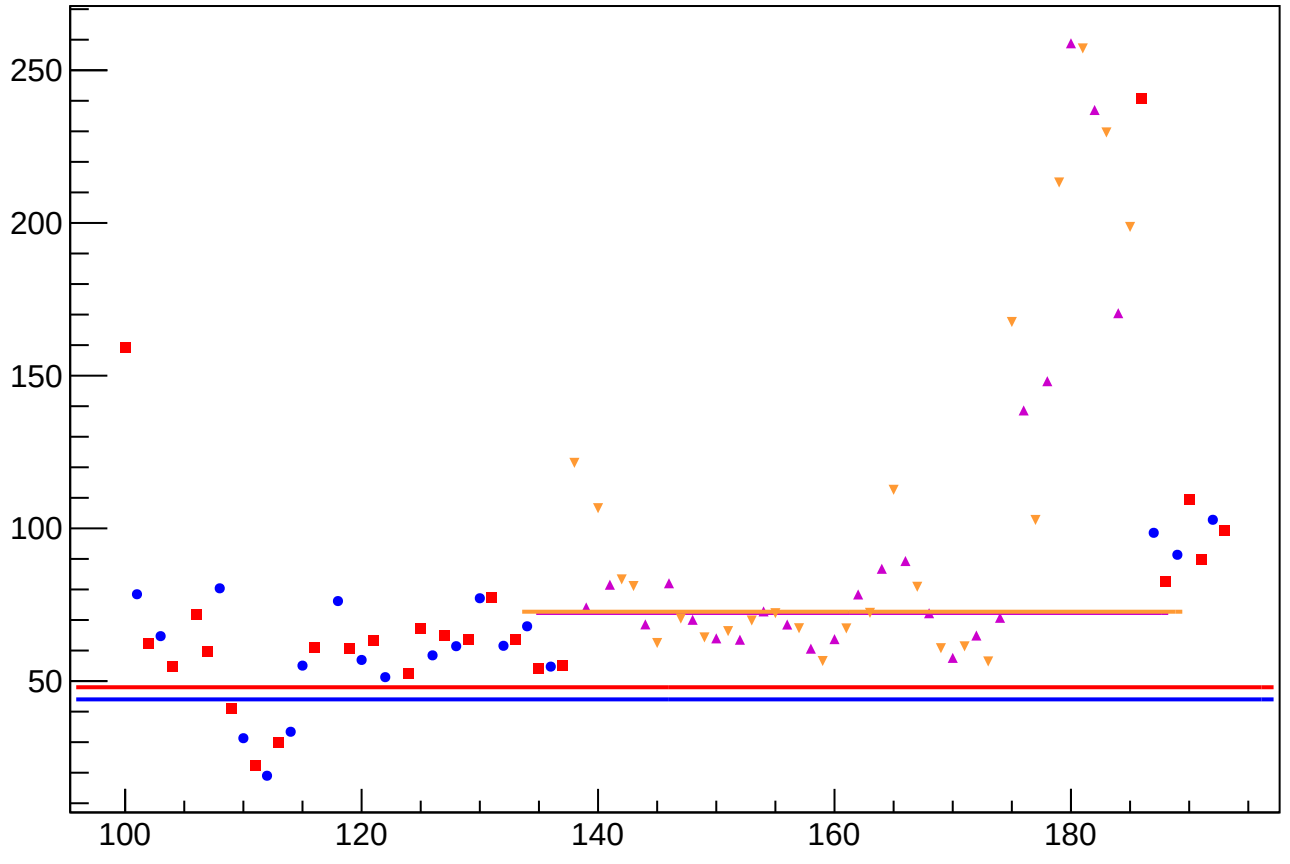
Right Out: -0.000+/-0.017 χ^2/NDF: 24.5/23

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: 97.6/90

- sign -0.006+/-0.013 χ^2/NDF: 48.0/46



Right In: 44.009+/-0.012 χ^2/NDF: 3980590.7/18

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

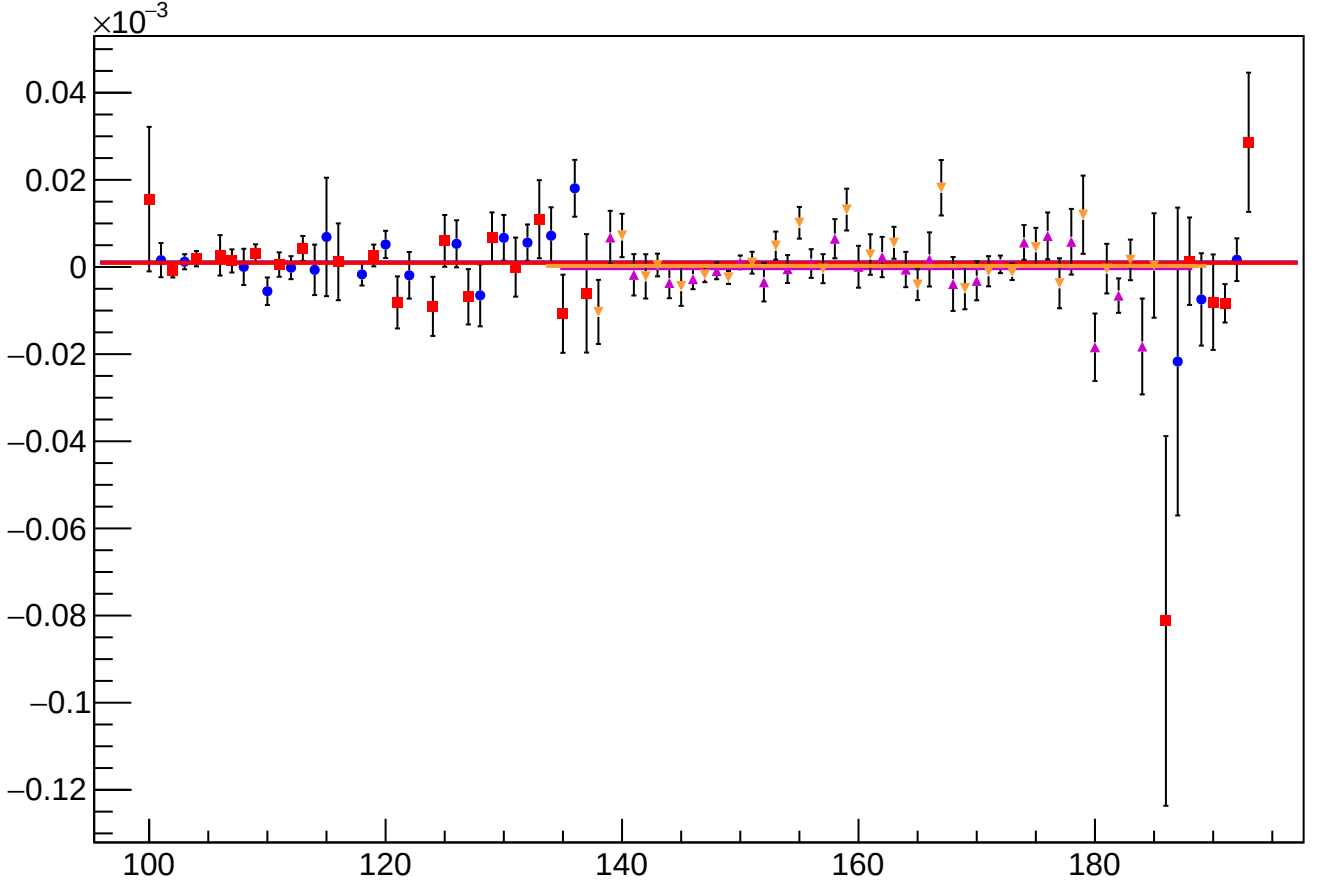
Right Out: 47.984+/-0.012 χ^2/NDF: 3690614.6/23

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 57.838+/-0.009 χ^2/NDF: 10589335.9/43

All: 58.615+/-0.006 χ^2/NDF: 18968284.3/90

- sign 59.397+/-0.009 χ^2/NDF: 8363363.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

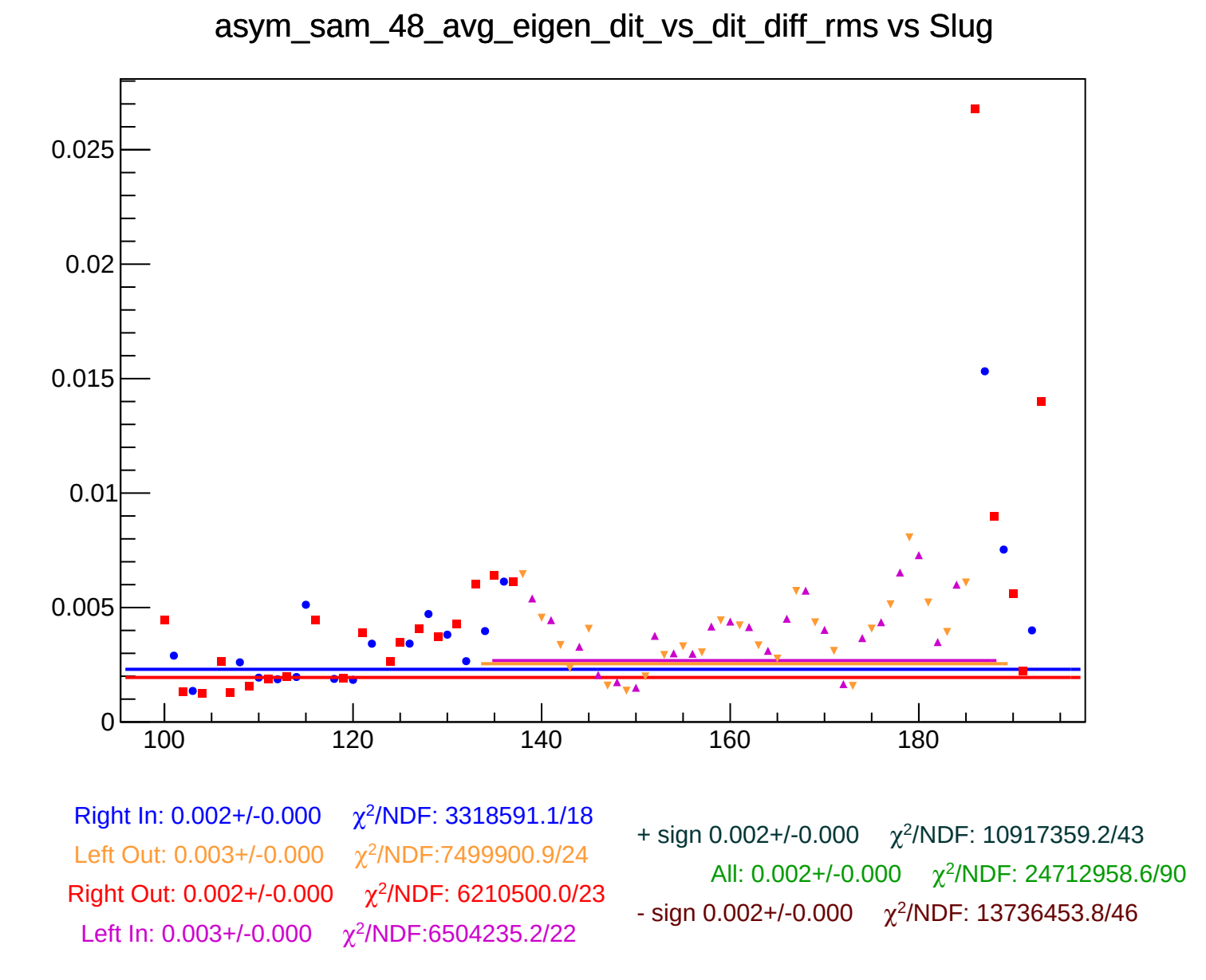
Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/23

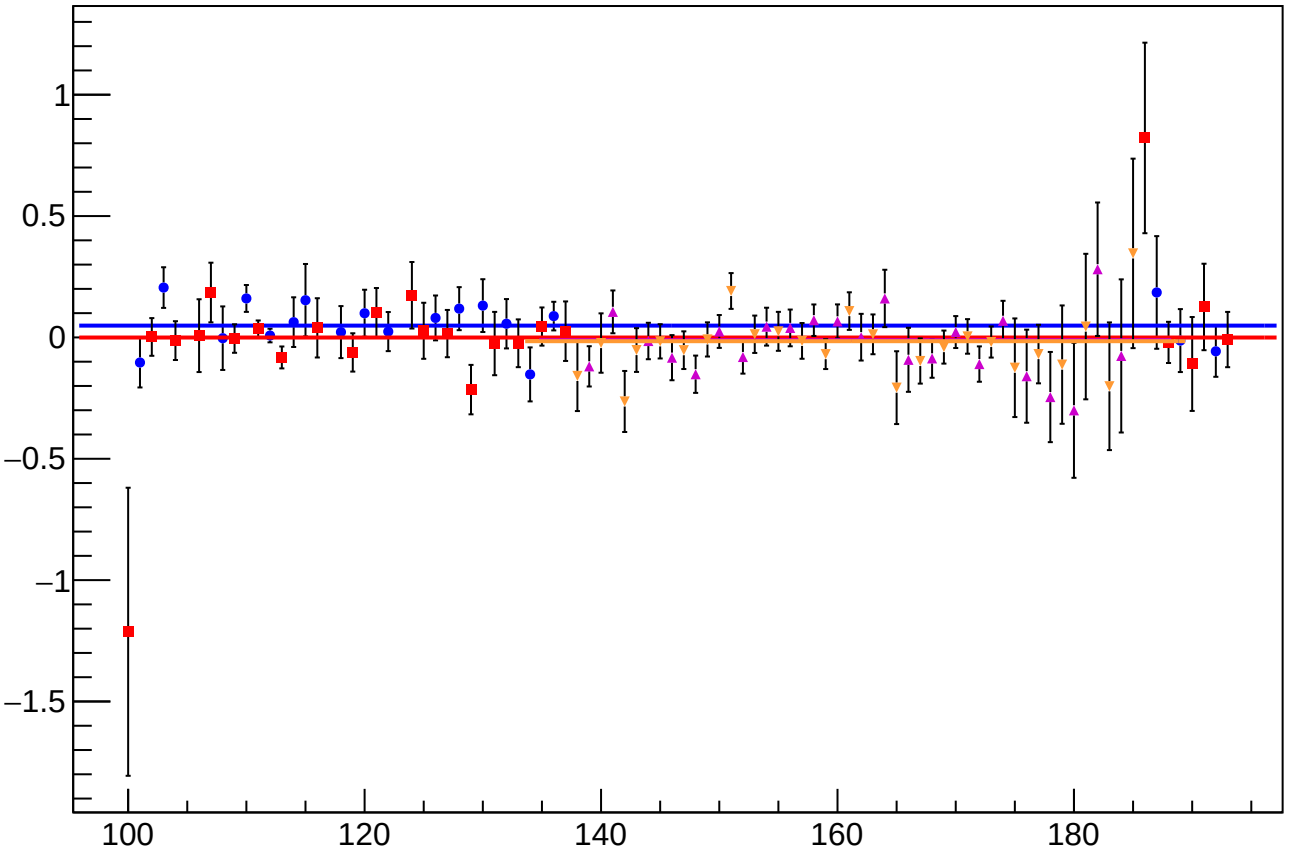
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.9/43

All: 0.000+/-0.000 χ^2/NDF: 118.4/90

- sign 0.000+/-0.000 χ^2/NDF: 53.4/46


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: 6210500.0/23
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: 24712958.6/90
- sign 0.002+/-0.000 χ²/NDF: 13736453.8/46



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: 24.5/23

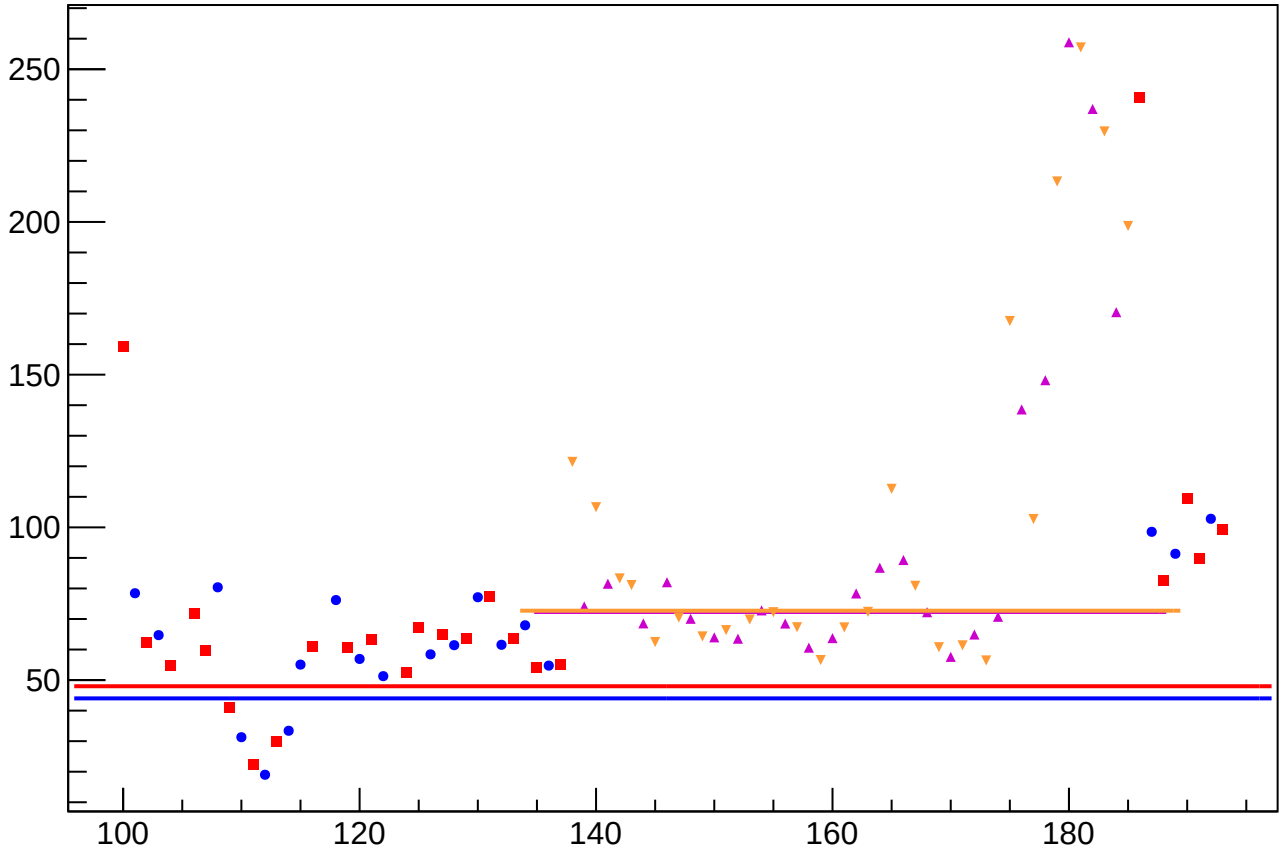
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.8/43

All: 0.006+/-0.009 χ^2/NDF: 97.6/90

- sign -0.006+/-0.013 χ^2/NDF: 48.0/46

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.008+/-0.012 χ^2/NDF: 3980760.4/18

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

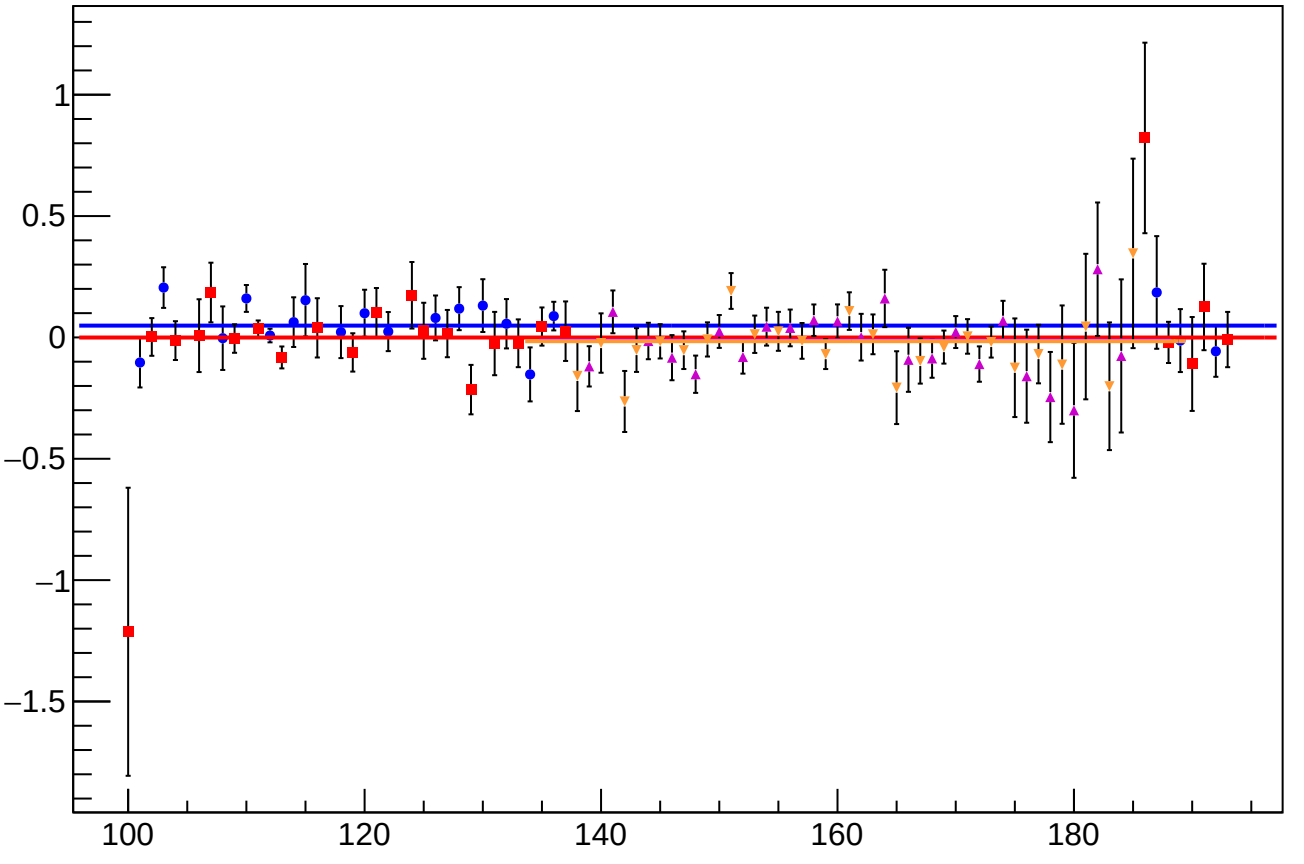
Right Out: 47.983+/-0.012 χ^2/NDF: 3690824.6/23

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

\+ sign 57.837+/-0.009 χ^2/NDF: 10589753.7/43

All: 58.614+/-0.006 χ^2/NDF: 18969087.3/90

\- sign 59.396+/-0.009 χ^2/NDF: 8363746.4/46



Right In: 0.049+/-0.017 χ^2/NDF: 19.6/18

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

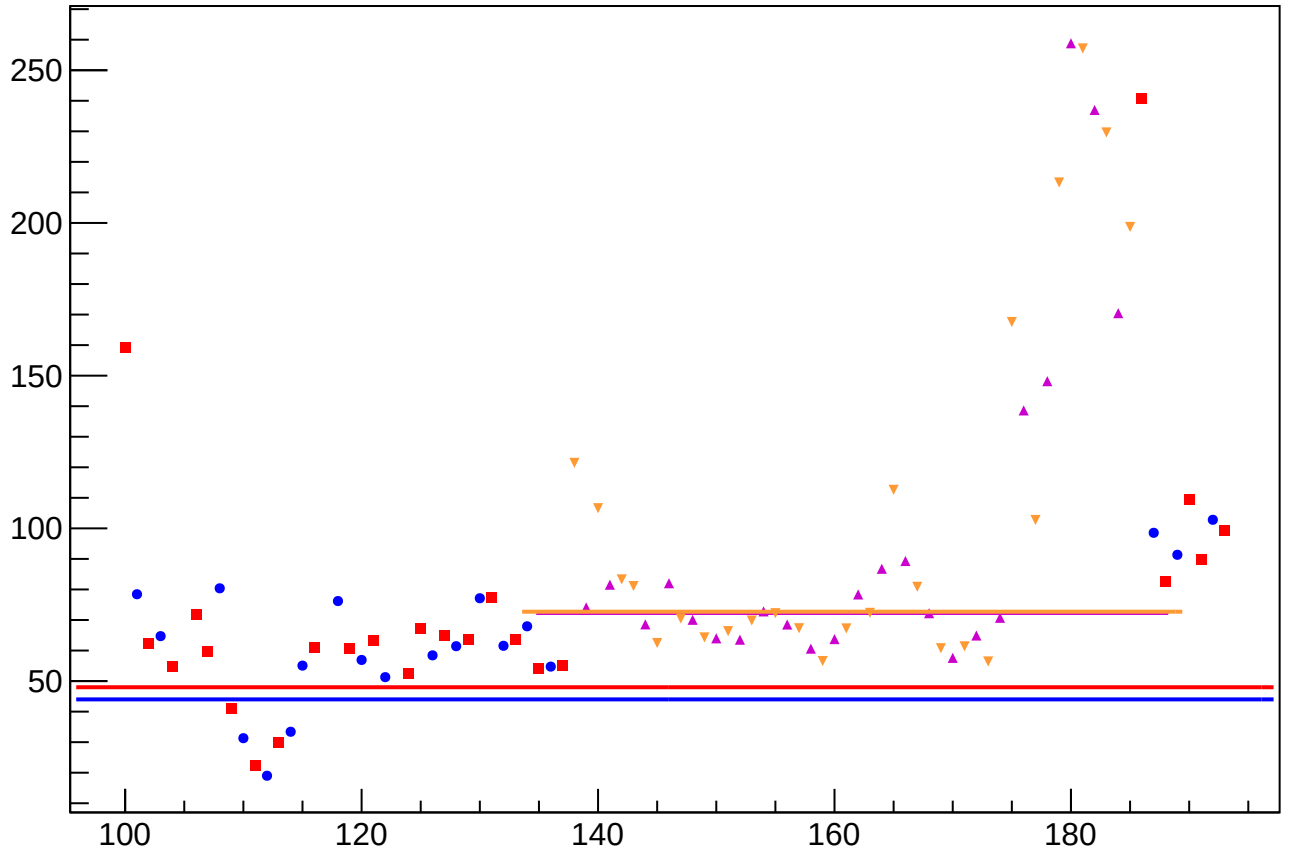
Right Out: -0.000+/-0.017 χ^2/NDF: 24.5/23

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: 97.6/90

- sign -0.006+/-0.013 χ^2/NDF: 48.0/46



Right In: 44.008+/-0.012 χ^2/NDF: 3980760.4/18

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

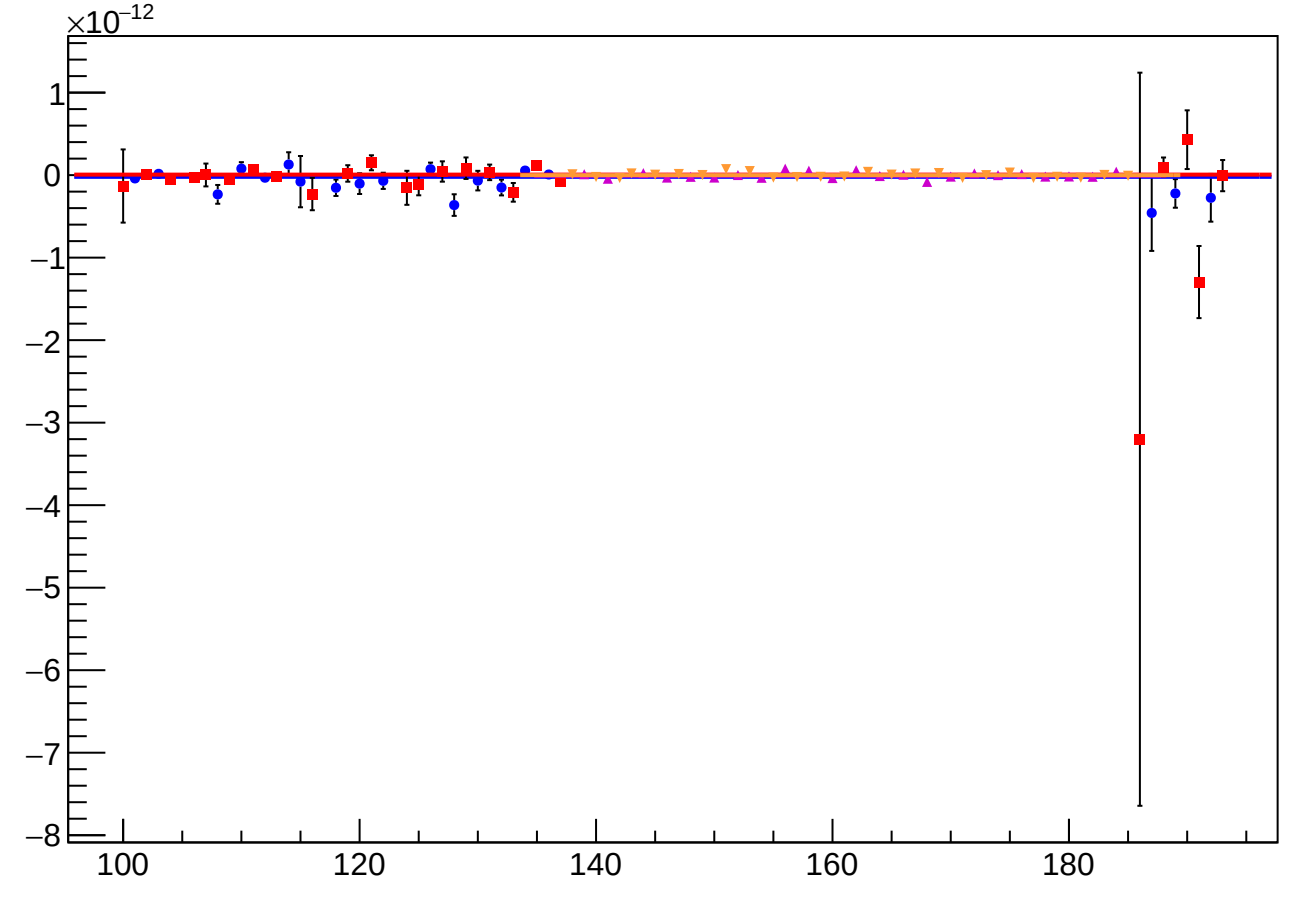
Right Out: 47.983+/-0.012 χ^2/NDF: 3690824.6/23

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 57.837+/-0.009 χ^2/NDF: 10589753.7/43

All: 58.614+/-0.006 χ^2/NDF: 18969087.3/90

- sign 59.396+/-0.009 χ^2/NDF: 8363746.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

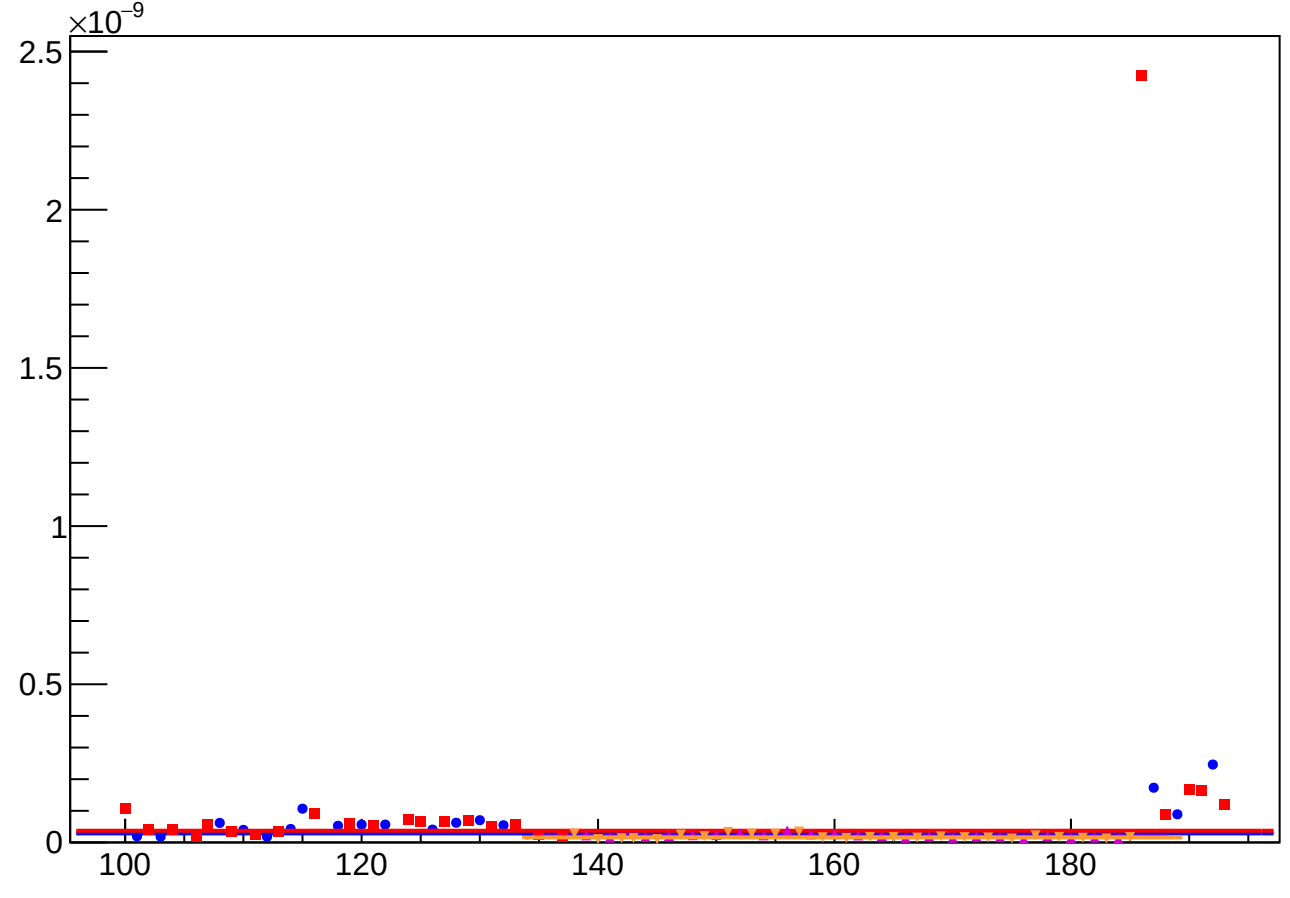
Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/23

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: 129.3/90

- sign -0.000+/-0.000 χ^2/NDF: 73.5/46



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: 3496423.6/23

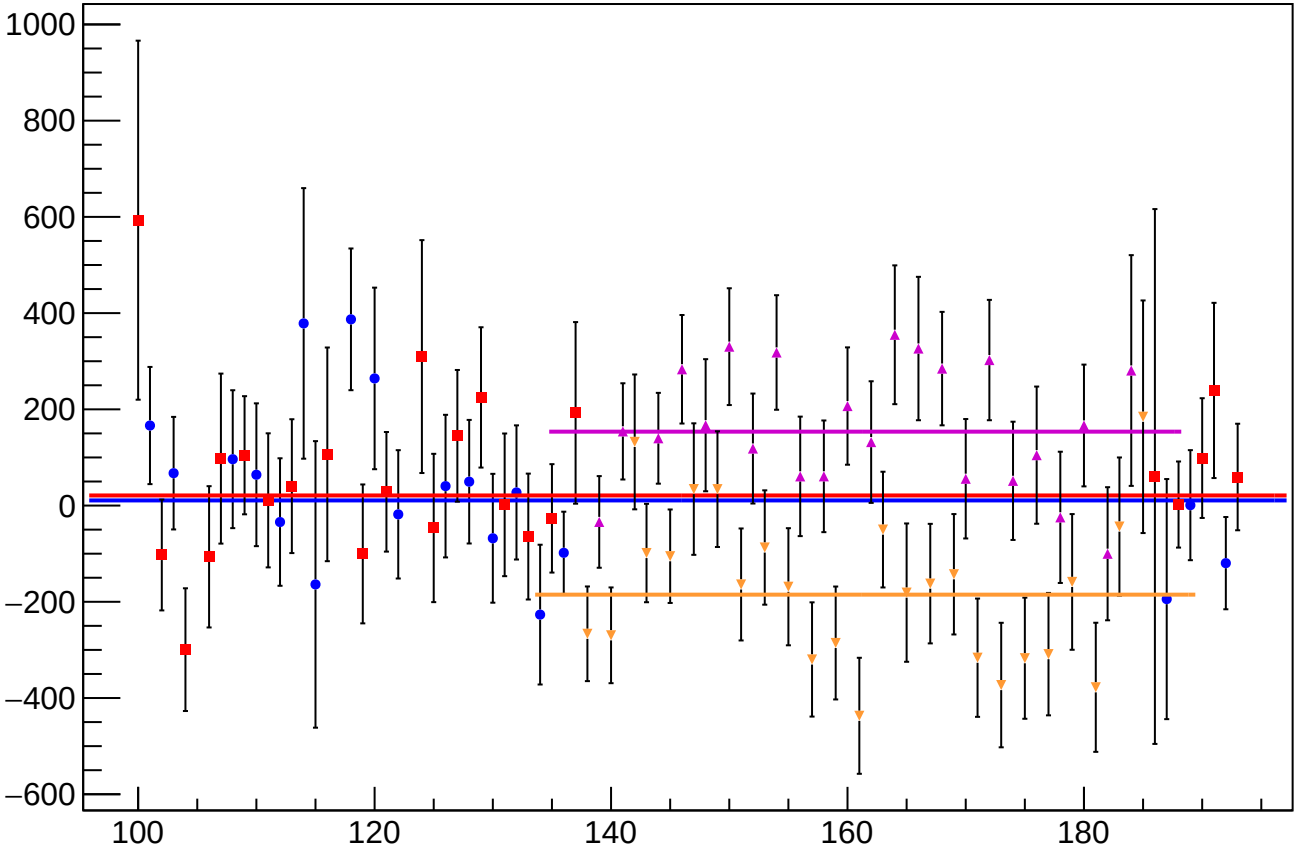
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7154558.6/43

All: 0.000+/-0.000 χ^2/NDF: 15037291.8/90

- sign 0.000+/-0.000 χ^2/NDF: 7507895.1/46

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: 21.025+/-28.870 χ^2/NDF: 19.9/23

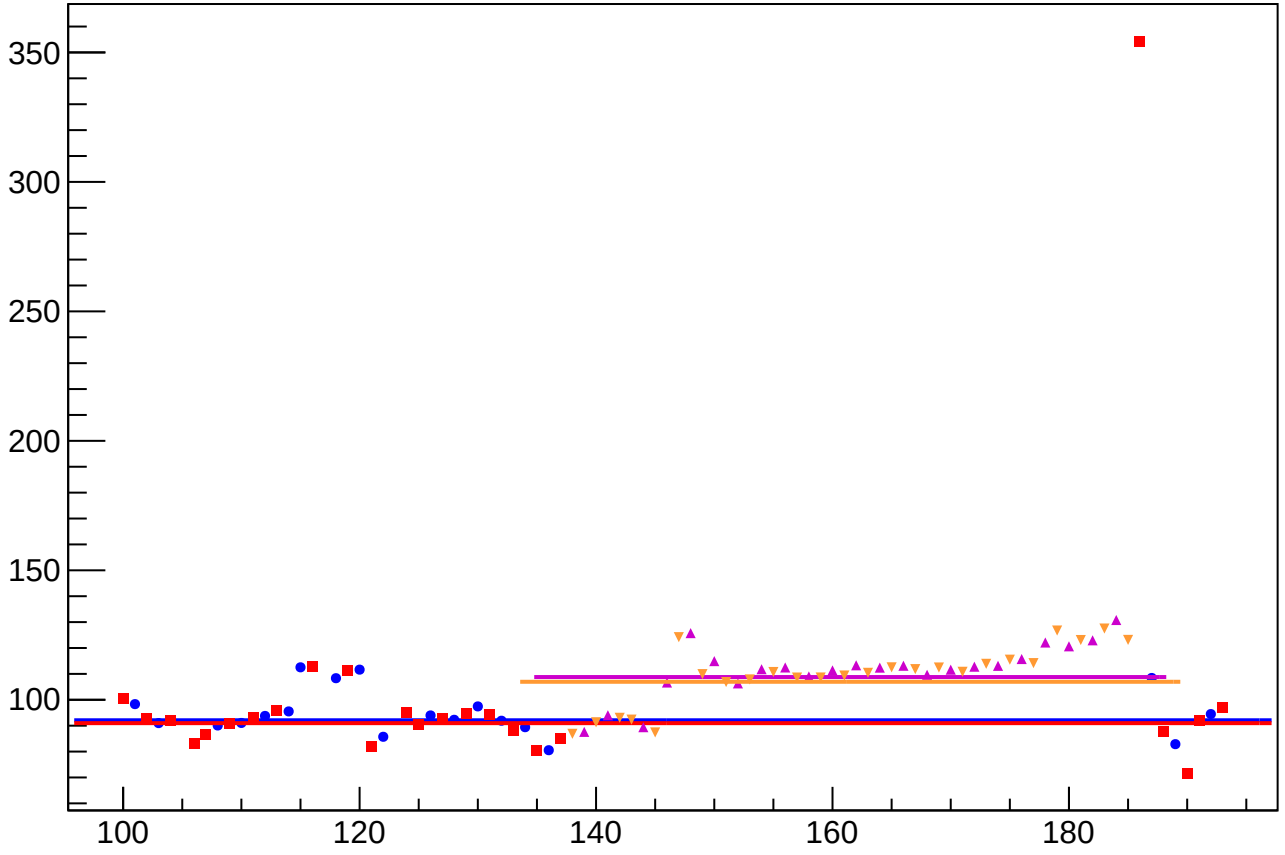
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -109.840+/-19.183 χ^2/NDF: 77.9/43

All: -6.917+/-13.545 χ^2/NDF: 190.6/90

- sign 95.416+/-19.128 χ^2/NDF: 55.3/46

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: 90.976+/-0.020 χ^2/NDF: 611087.8/23

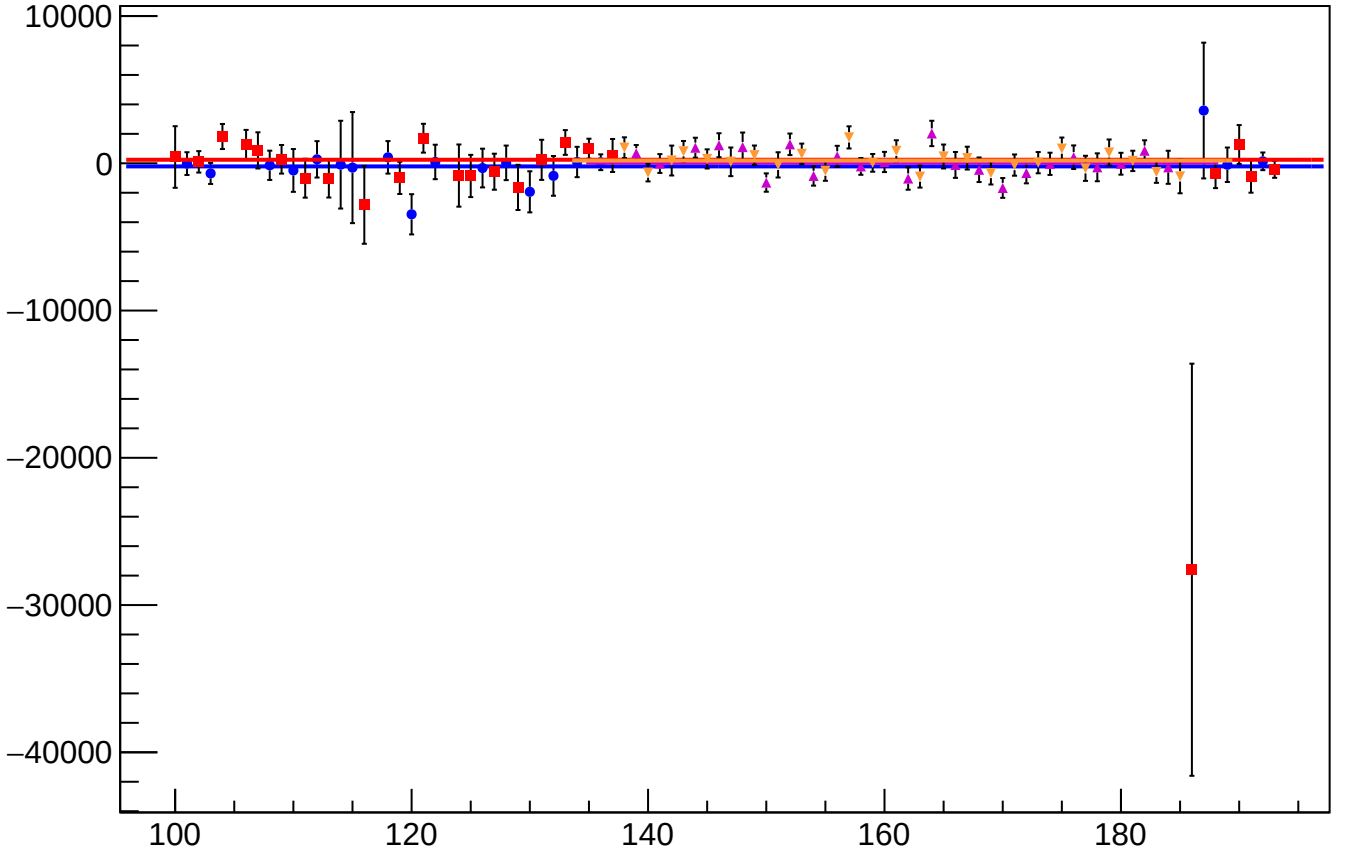
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 101.237+/-0.014 χ^2/NDF: 878556.9/43

All: 101.100+/-0.010 χ^2/NDF: 2275026.6/90

- sign 100.965+/-0.014 χ^2/NDF: 1396267.6/46

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: 240.757+/-214.819 χ^2/NDF: 25.5/23

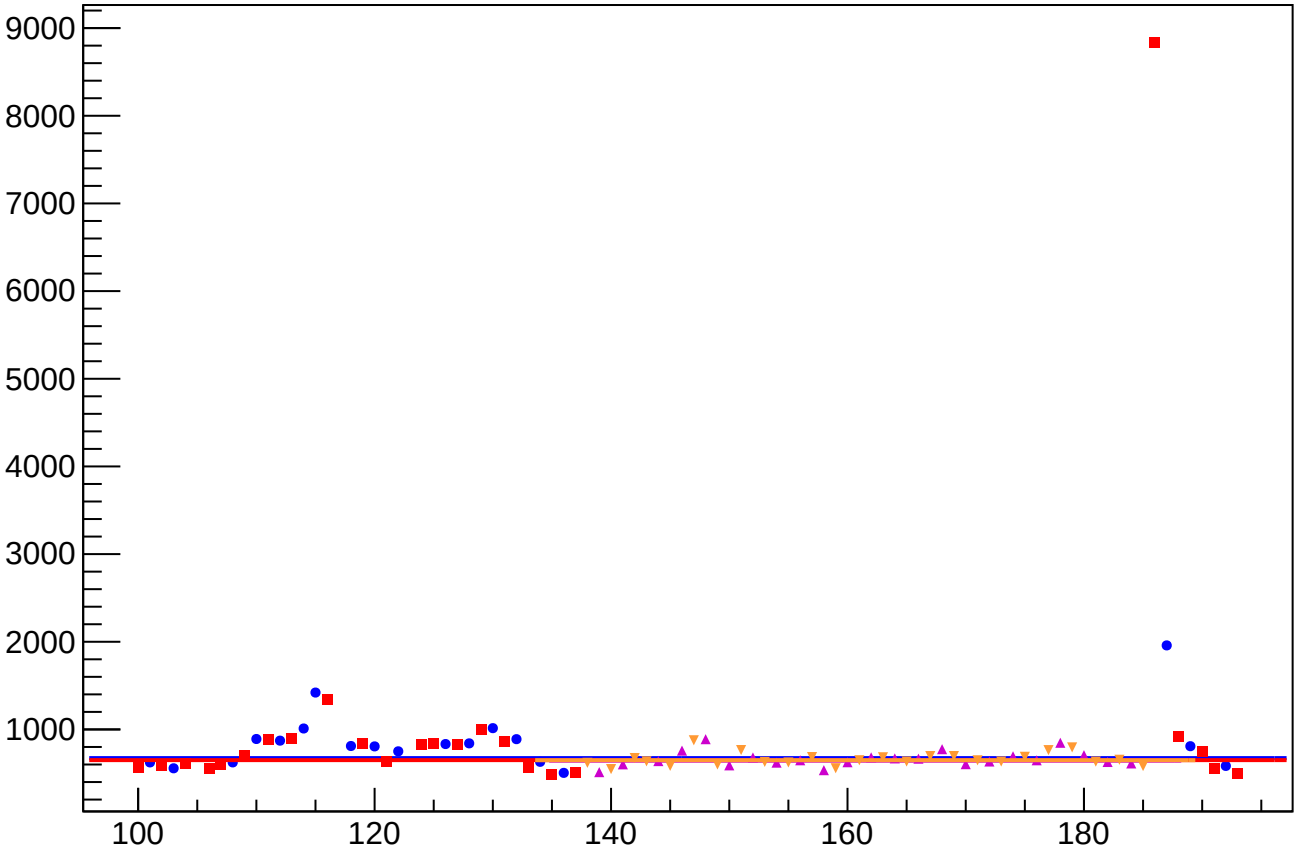
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

\+ sign 71.572+/-125.452 χ^2/NDF: 31.0/43

All: 90.576+/-88.231 χ^2/NDF: 90.9/90

\- sign 109.177+/-124.112 χ^2/NDF: 59.8/46

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: 650.070+/-0.152 χ^2/NDF: 1796062.9/23

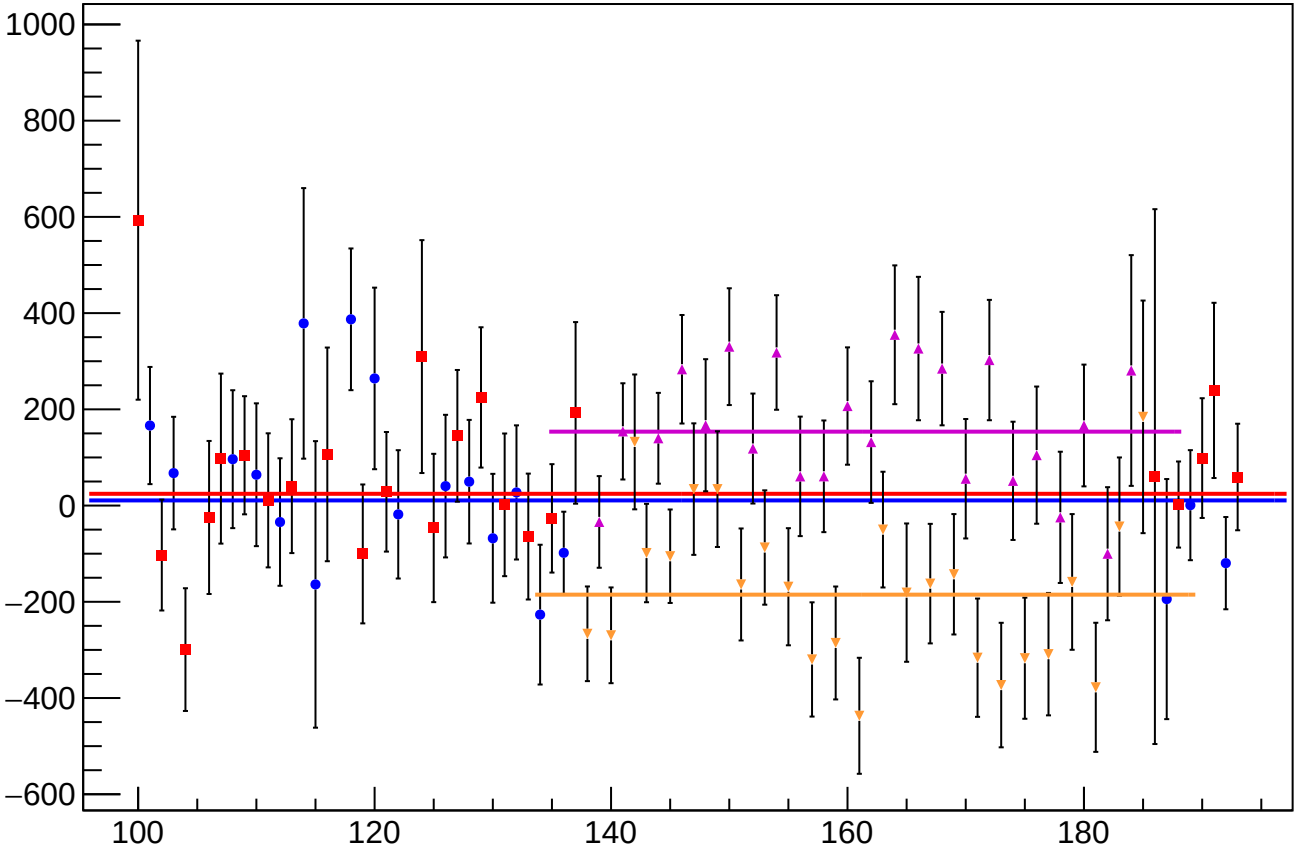
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 656.090+/-0.089 χ^2/NDF: 1429035.9/43

All: 651.028+/-0.062 χ^2/NDF: 3791699.5/90

- sign 646.074+/-0.088 χ^2/NDF: 2356221.3/46

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: 24.463+/-28.953 χ^2/NDF: 19.3/23

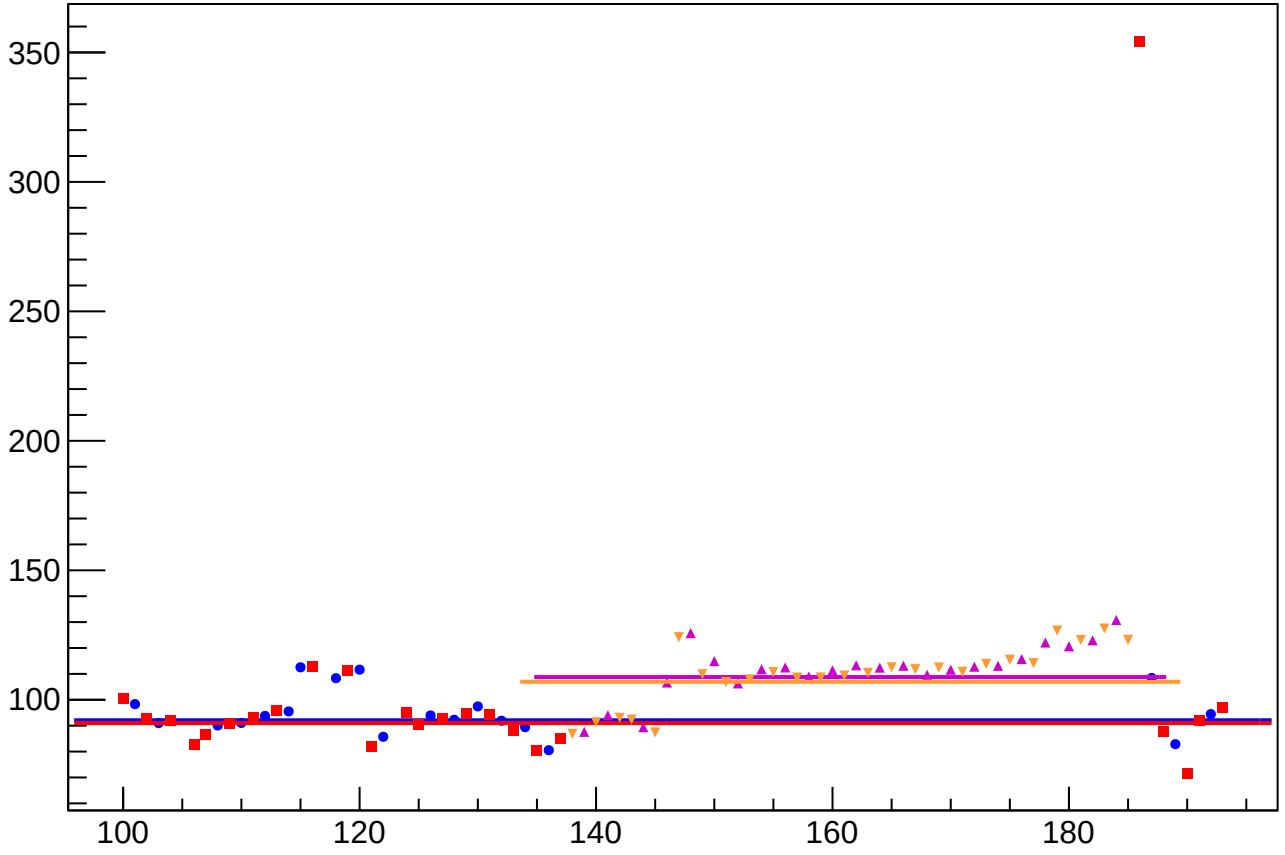
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -109.837+/-19.183 χ^2/NDF: 78.0/43

All: -6.195+/-13.554 χ^2/NDF: 190.2/90

- sign 97.111+/-19.152 χ^2/NDF: 54.0/46

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: 91.003+/-0.020 χ^2/NDF: 610952.3/23

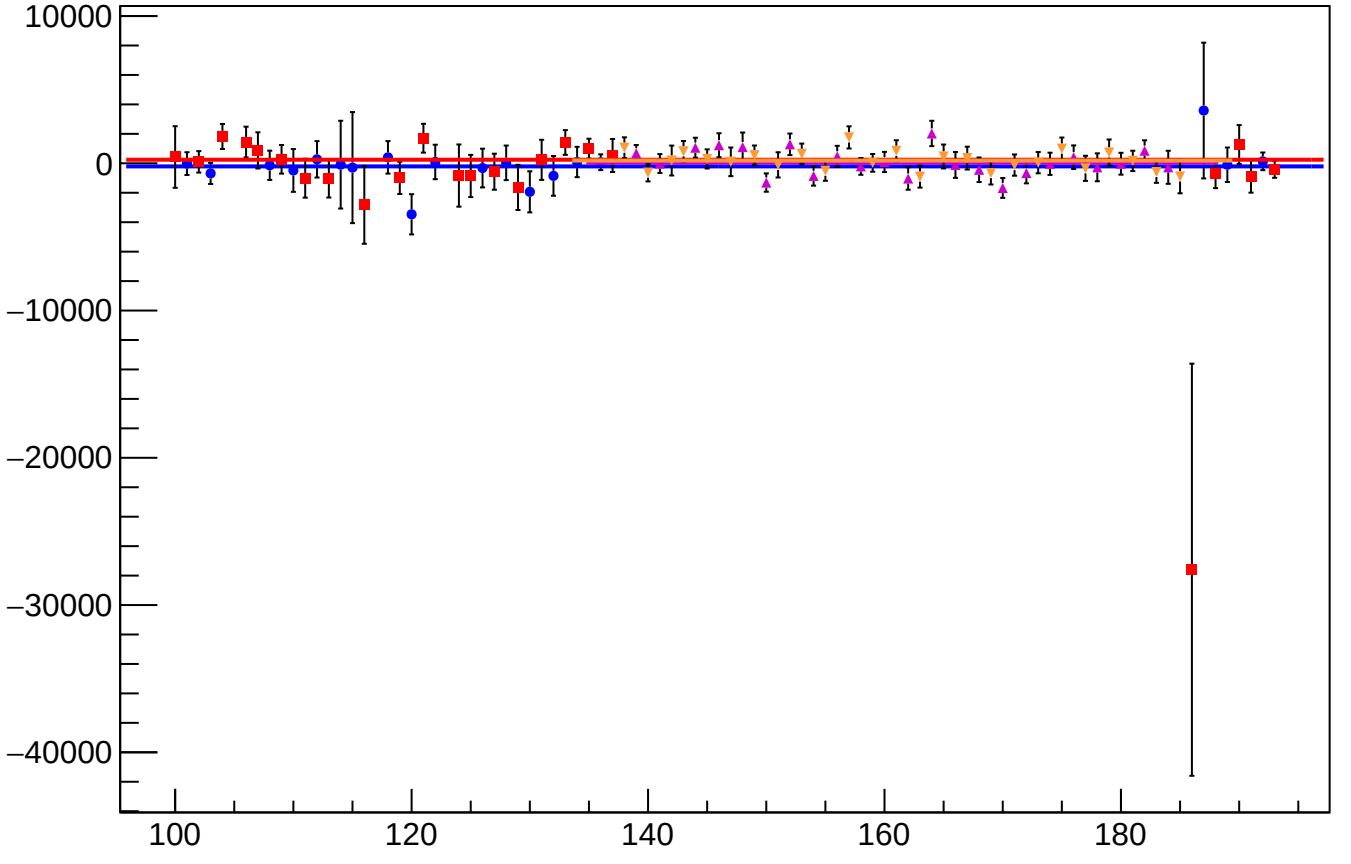
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 101.237+/-0.014 χ^2/NDF: 878556.8/43

All: 101.119+/-0.010 χ^2/NDF: 2272193.1/90

- sign 101.001+/-0.014 χ^2/NDF: 1393485.3/46

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: 242.488+/-215.351 χ^2/NDF: 25.7/23

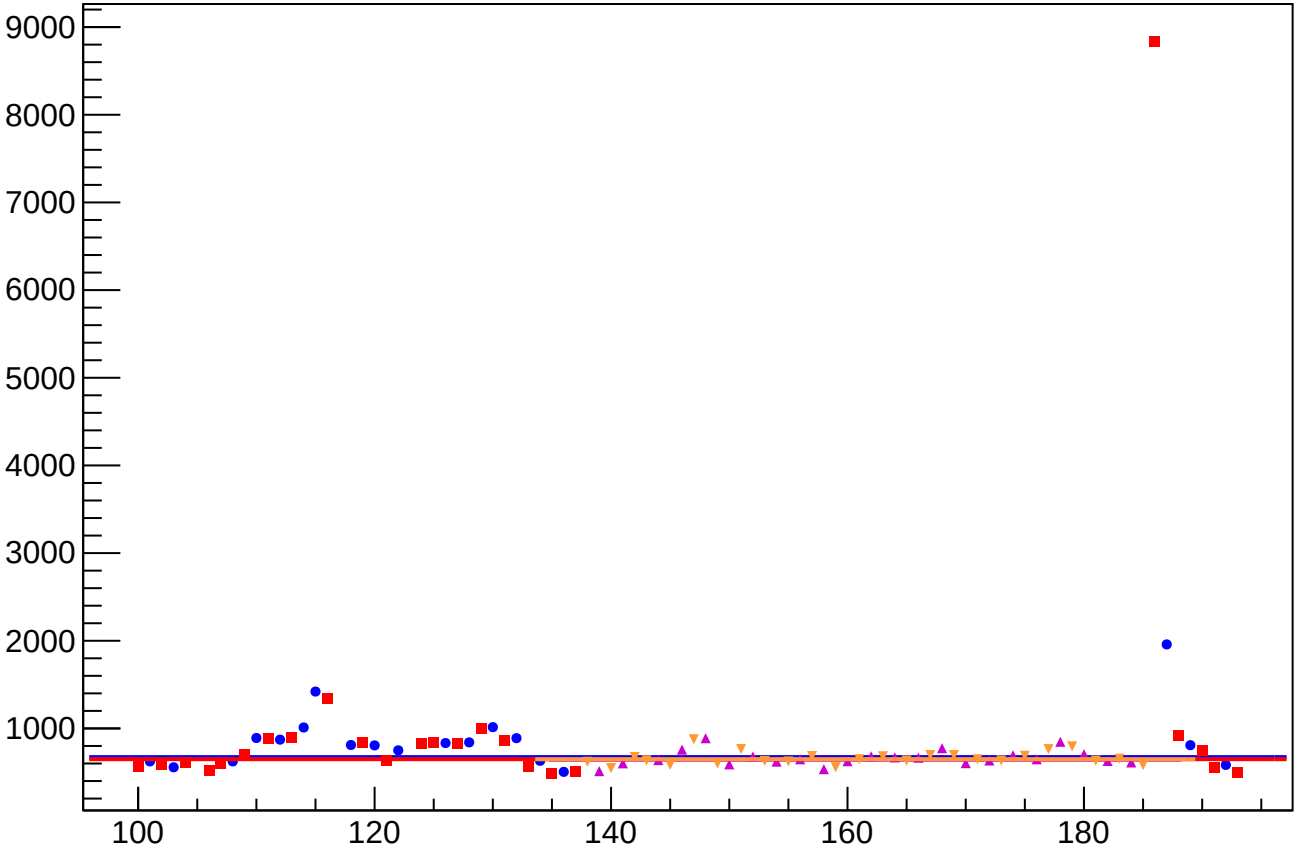
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 71.568+/-125.452 χ^2/NDF: 31.0/43

All: 90.741+/-88.267 χ^2/NDF: 91.1/90

- sign 109.537+/-124.215 χ^2/NDF: 60.0/46

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: 649.376+/-0.152 χ^2/NDF: 1805561.3/23

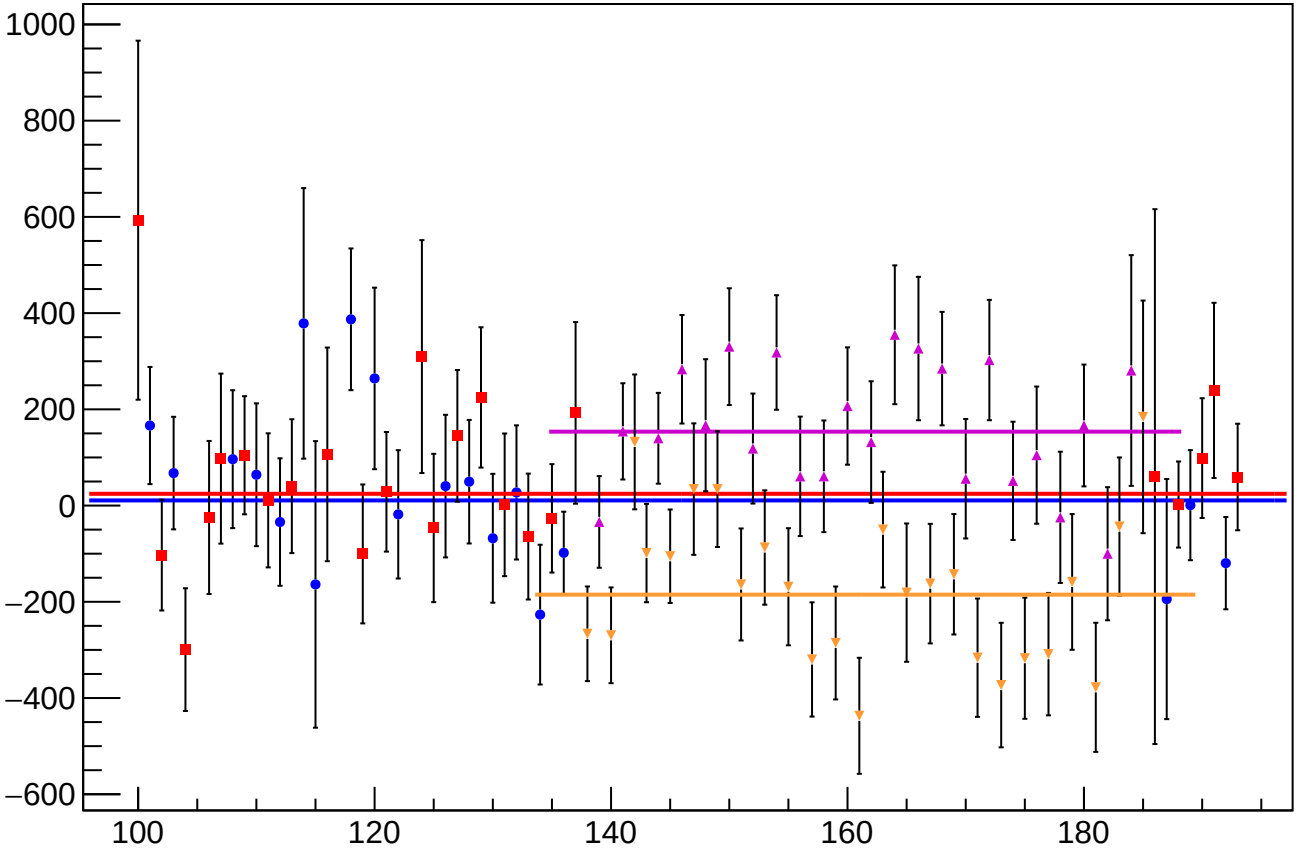
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 656.090+/-0.089 χ^2/NDF: 1429037.0/43

All: 650.912+/-0.062 χ^2/NDF: 3801274.5/90

- sign 645.837+/-0.088 χ^2/NDF: 2365491.7/46

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: 24.463+/-28.953 χ^2/NDF: 19.3/23

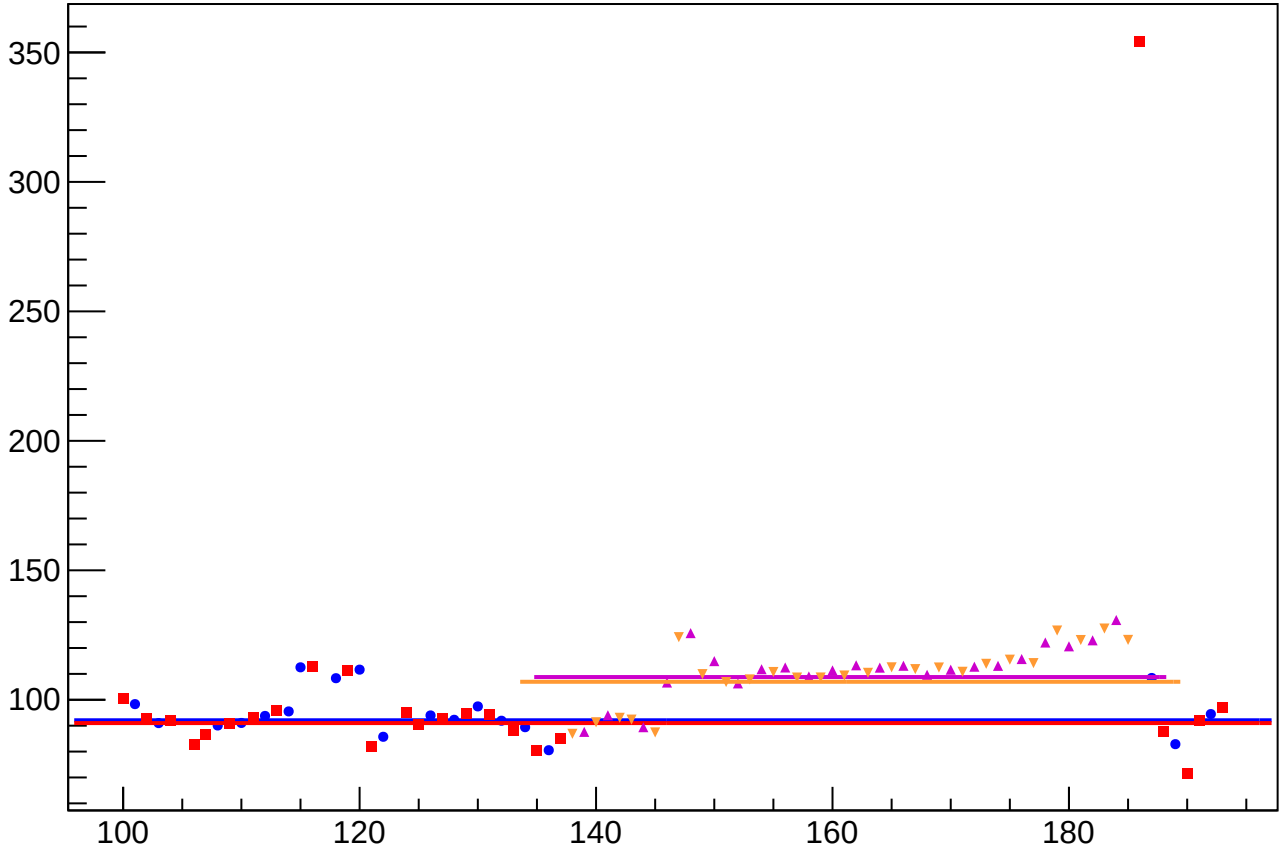
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -109.837+/-19.183 χ^2/NDF: 78.0/43

All: -6.195+/-13.554 χ^2/NDF: 190.2/90

- sign 97.111+/-19.152 χ^2/NDF: 54.0/46

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

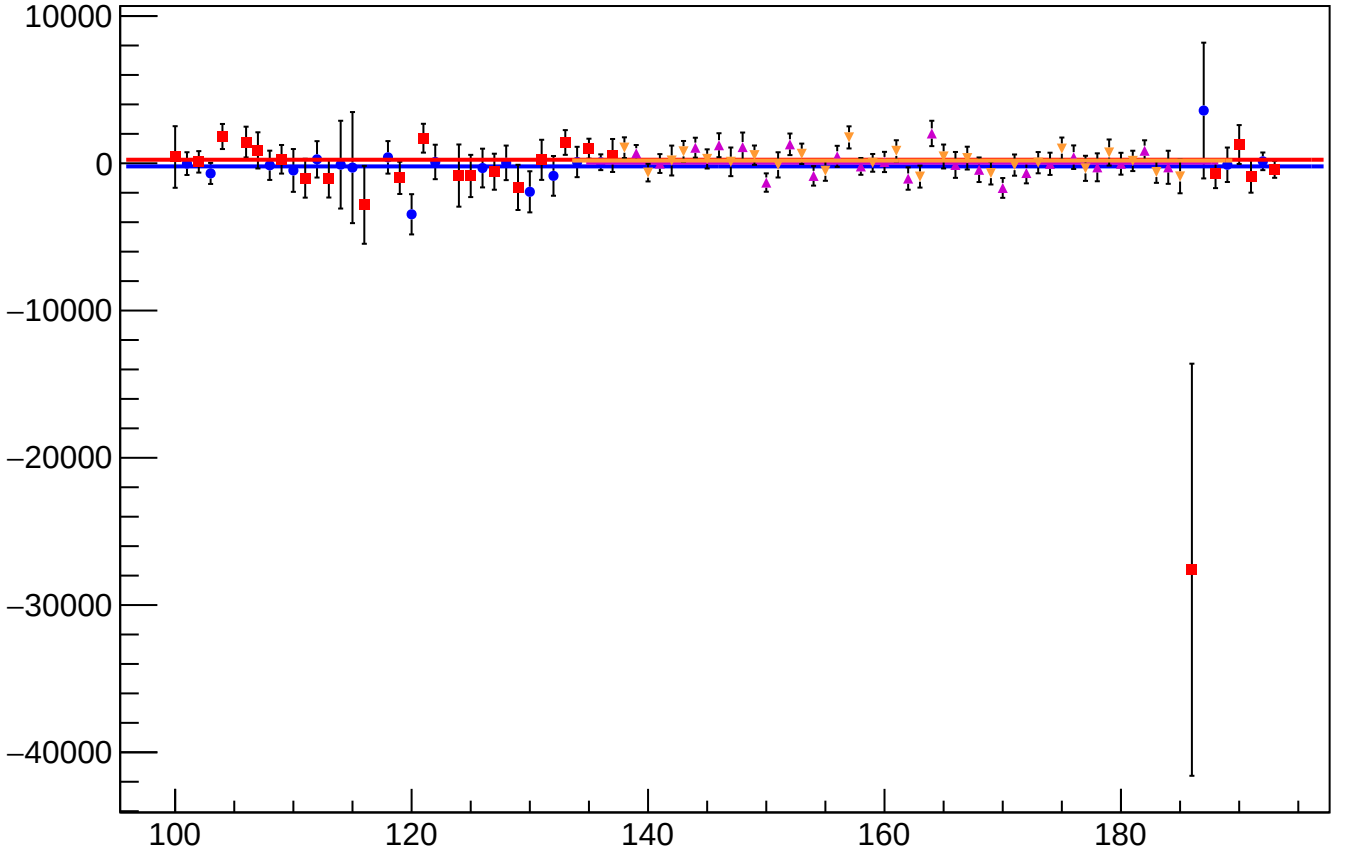
Right Out: 91.003+/-0.020 χ^2/NDF: 610952.3/23

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 101.237+/-0.014 χ^2/NDF: 878556.8/43

All: 101.119+/-0.010 χ^2/NDF: 2272193.1/90

- sign 101.001+/-0.014 χ^2/NDF: 1393485.3/46



Right In: -210.545+/-233.209 χ^2/NDF: 9.9/18

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

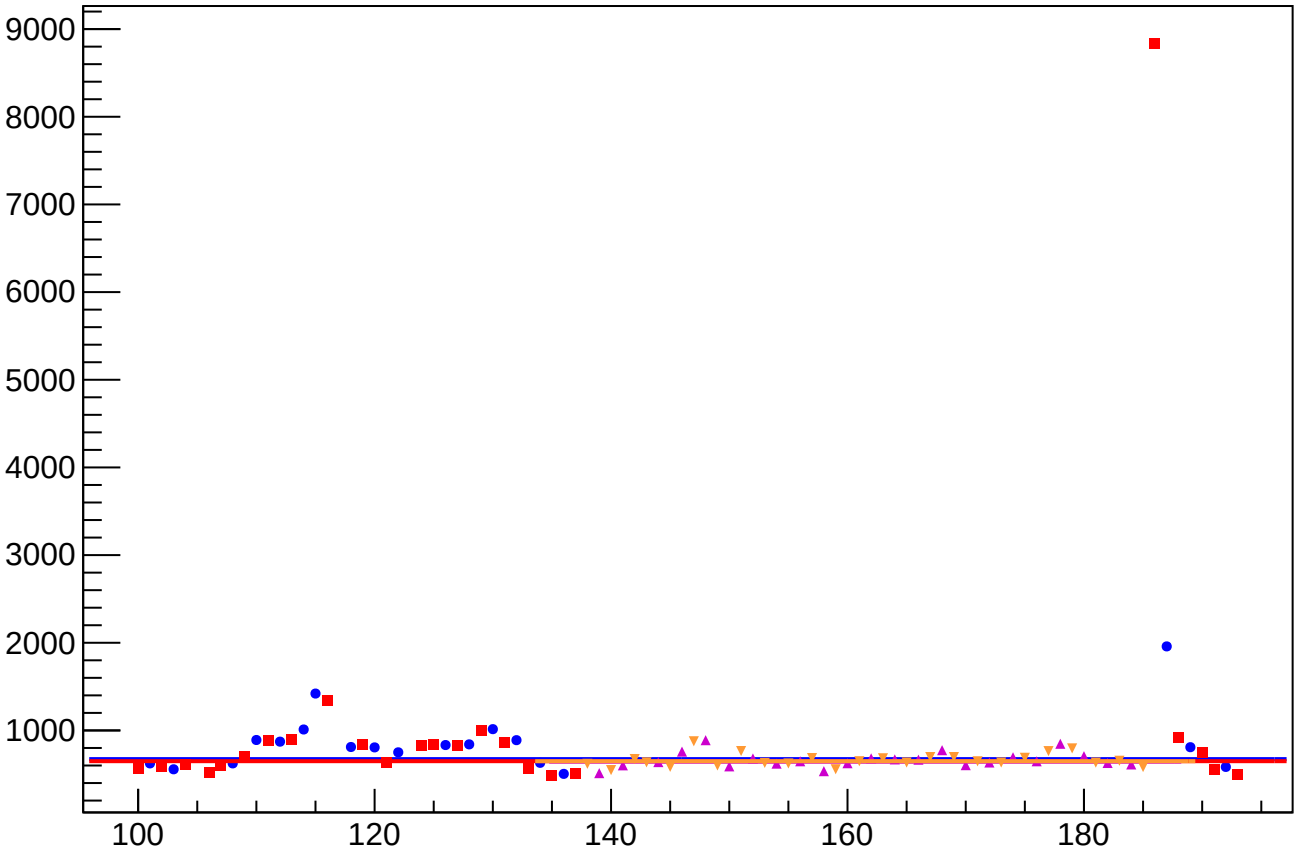
Right Out: 242.488+/-215.351 χ^2/NDF: 25.7/23

Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 71.568+/-125.452 χ^2/NDF: 31.0/43

All: 90.741+/-88.267 χ^2/NDF: 91.1/90

- sign 109.537+/-124.215 χ^2/NDF: 60.0/46



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: 649.376+/-0.152 χ^2/NDF: 1805561.3/23

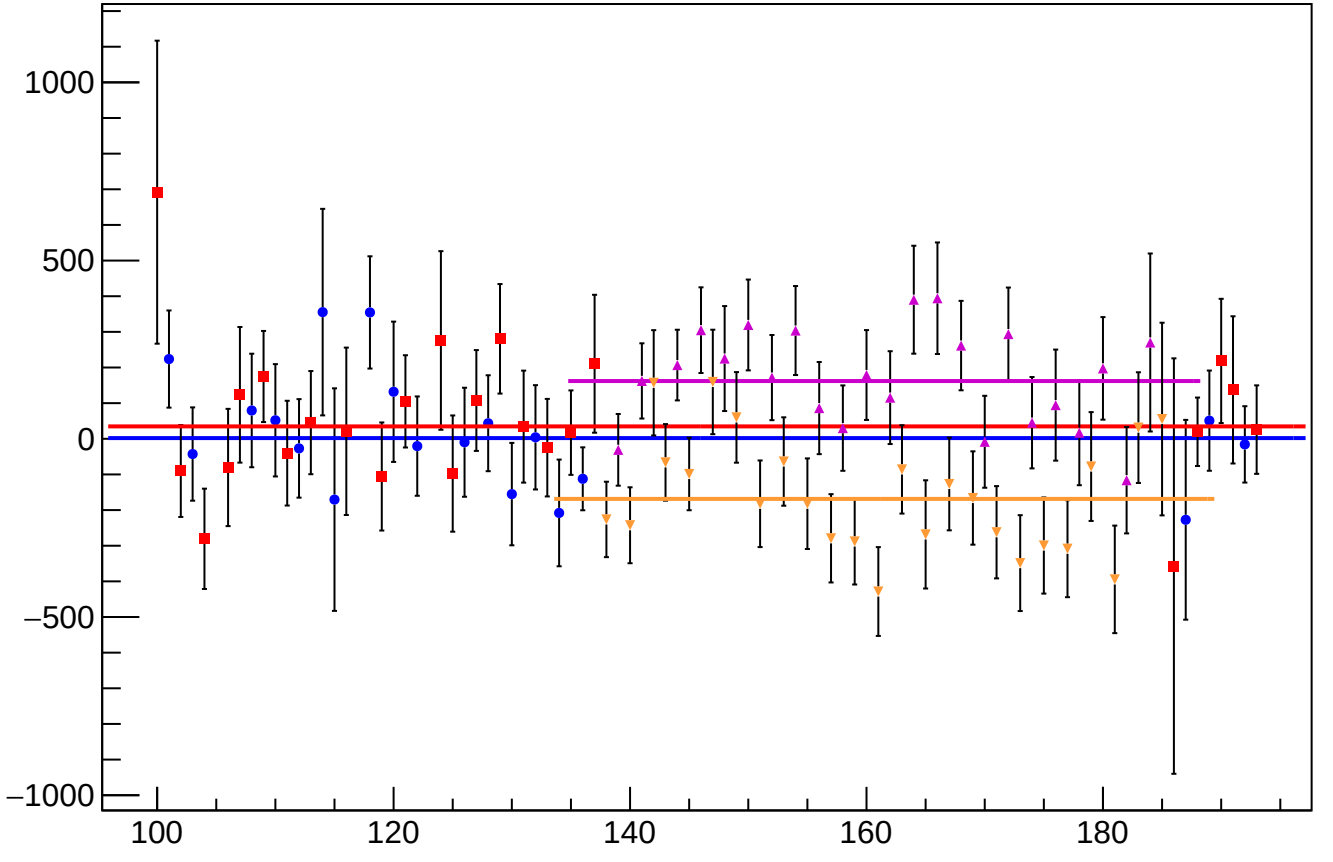
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 656.090+/-0.089 χ^2/NDF: 1429037.0/43

All: 650.912+/-0.062 χ^2/NDF: 3801274.5/90

- sign 645.837+/-0.088 χ^2/NDF: 2365491.7/46

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: 34.783+/-31.193 χ^2/NDF: 19.0/23

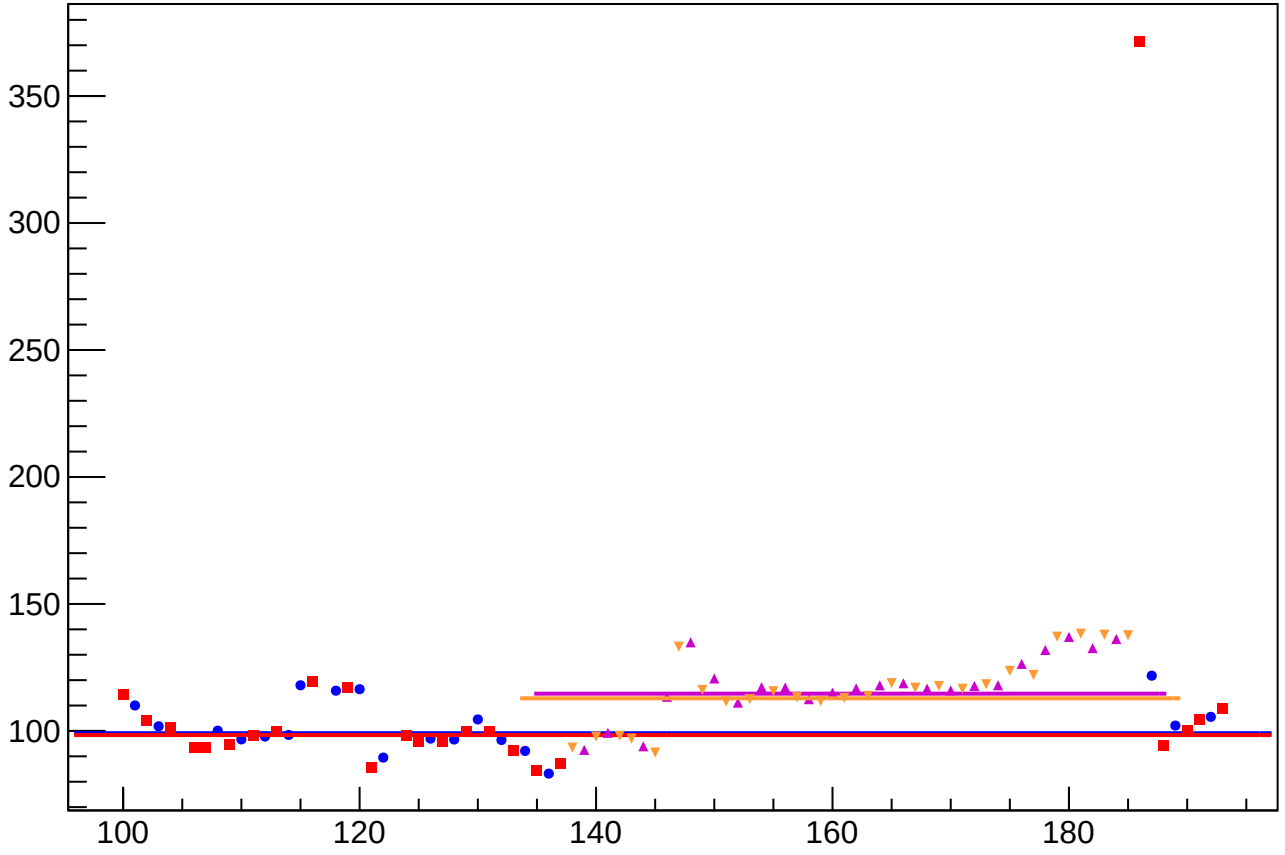
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -104.624+/-20.409 χ^2/NDF: 64.9/43

All: 1.601+/-14.425 χ^2/NDF: 171.1/90

- sign 107.648+/-20.392 χ^2/NDF: 52.1/46

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: 98.380+/-0.022 χ^2/NDF: 577431.0/23

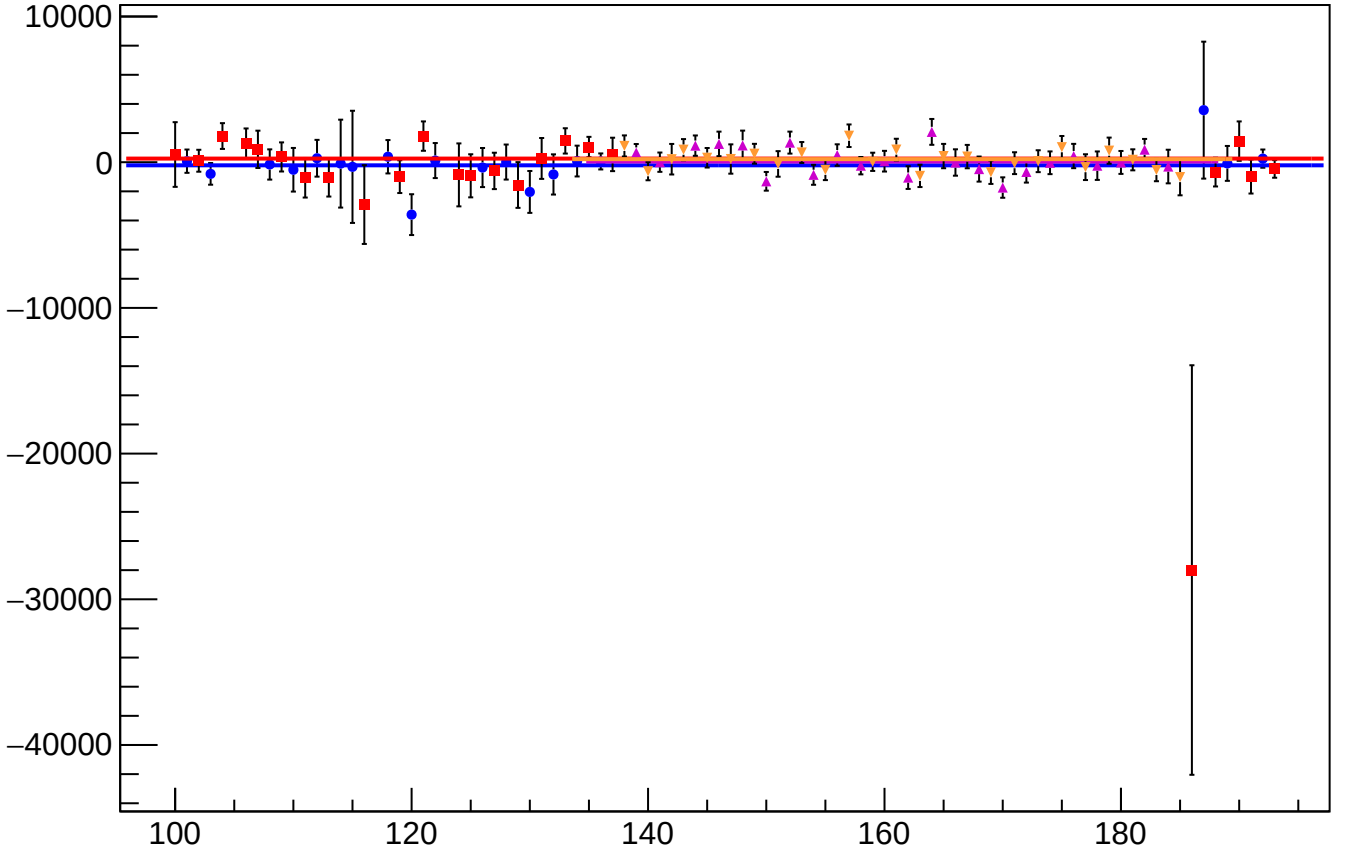
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 107.689+/-0.014 χ^2/NDF: 889840.0/43

All: 107.701+/-0.010 χ^2/NDF: 2189825.1/90

- sign 107.712+/-0.014 χ^2/NDF: 1299983.8/46

asym_sam_15_dd_dit_correction_mean vs Slug



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: 249.150+/-222.324 χ^2/NDF: 25.4/23

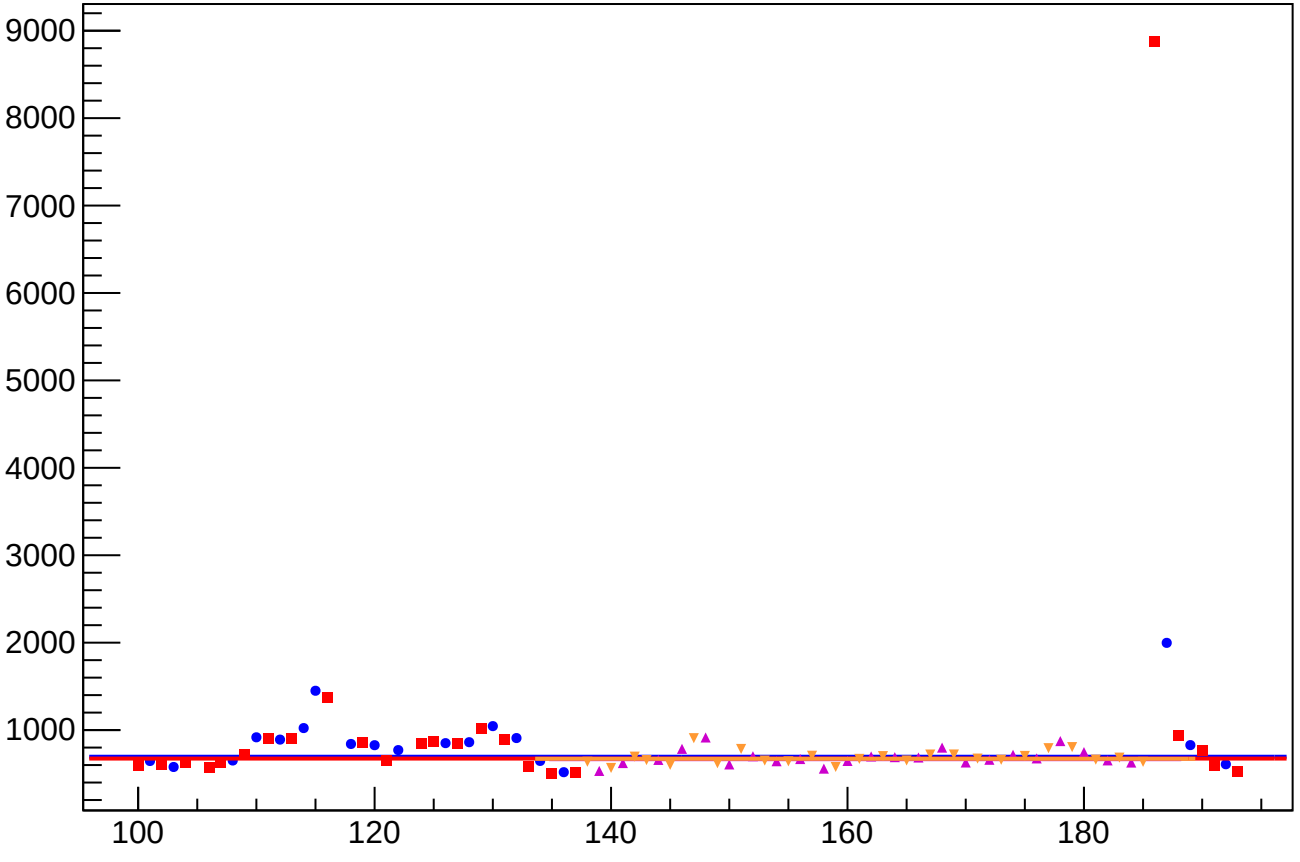
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 86.602+/-129.656 χ^2/NDF: 31.6/43

All: 101.793+/-91.273 χ^2/NDF: 90.9/90

- sign 116.718+/-128.510 χ^2/NDF: 59.2/46

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: 674.286+/-0.157 χ^2/NDF: 1729656.4/23

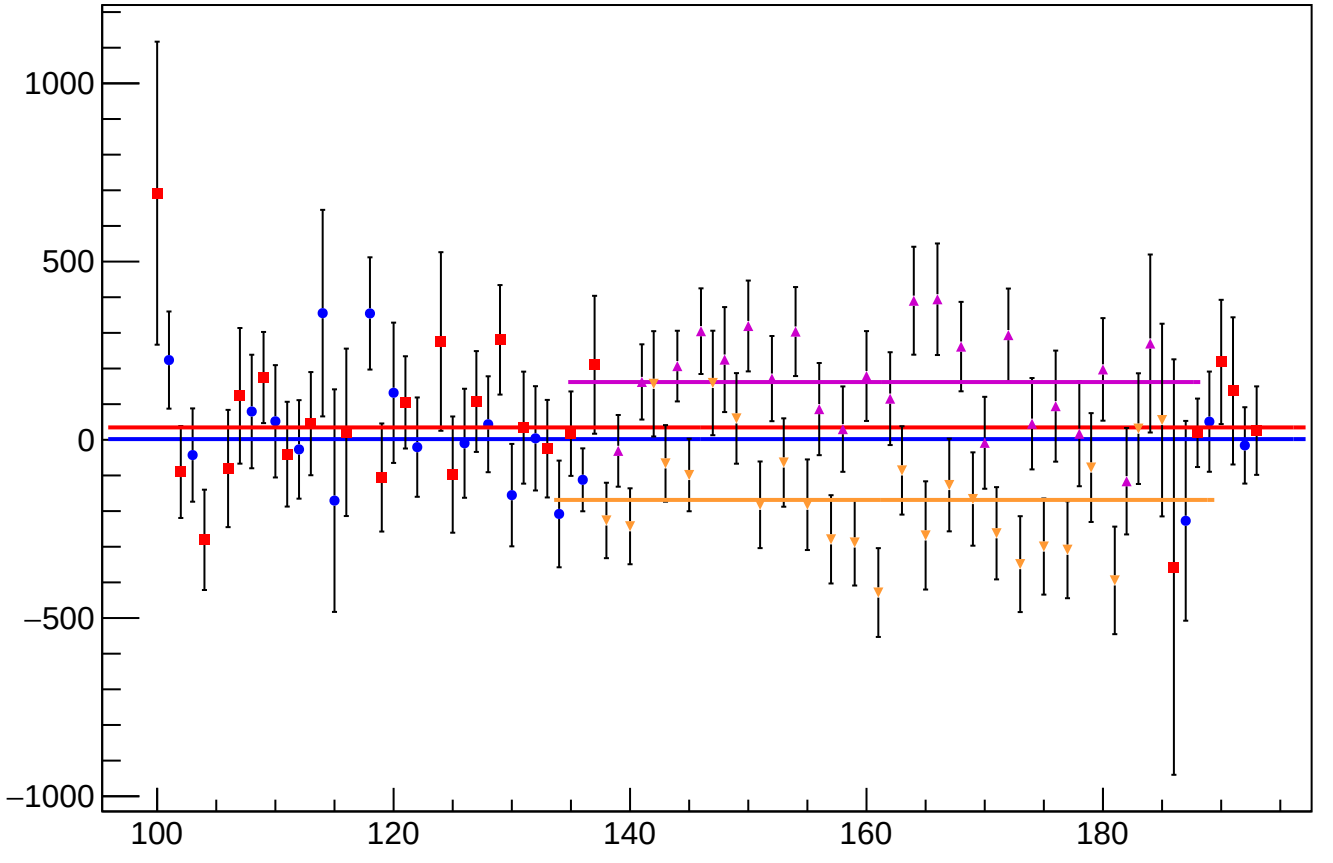
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 678.601+/-0.092 χ^2/NDF: 1382865.4/43

All: 674.092+/-0.065 χ^2/NDF: 3665520.8/90

- sign 669.662+/-0.091 χ^2/NDF: 2277859.3/46

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: 34.783+/-31.193 χ^2/NDF: 19.0/23

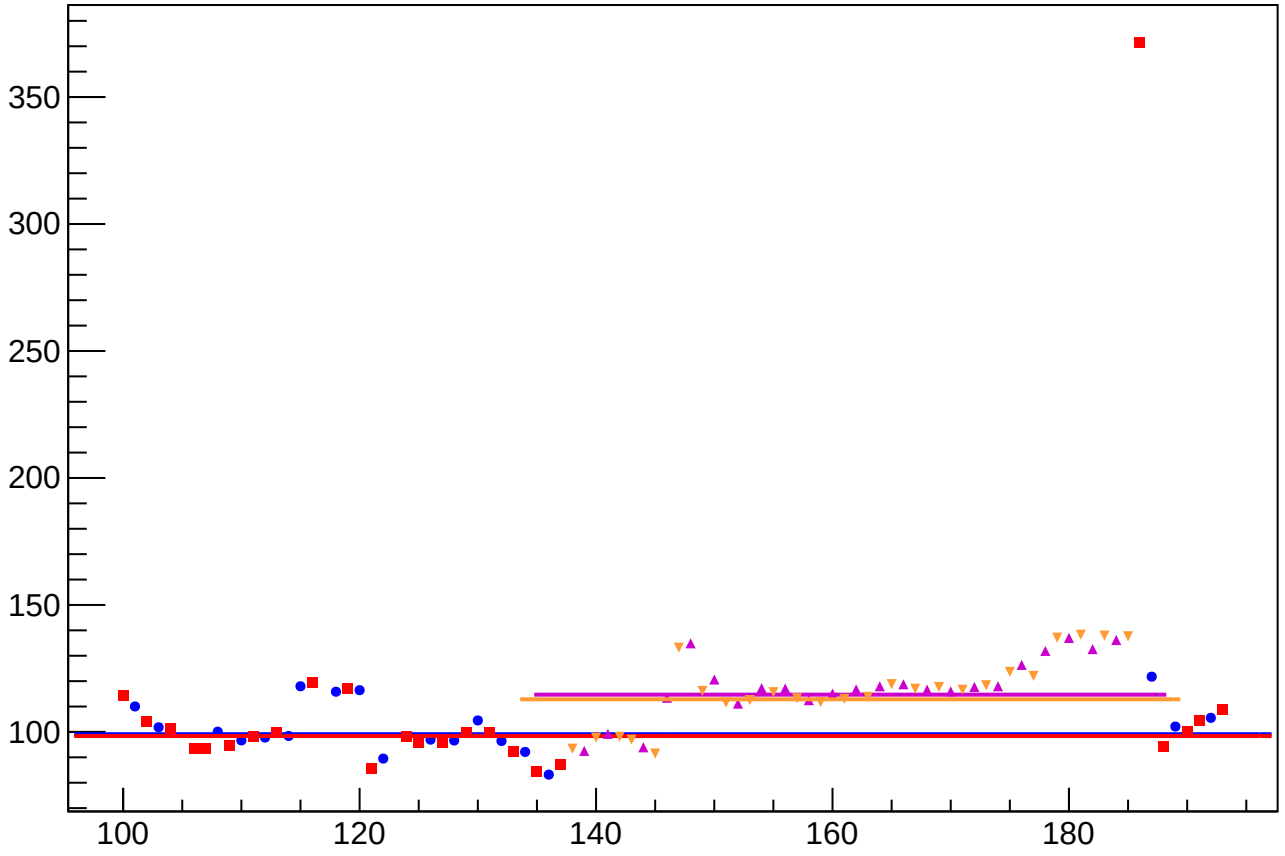
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -104.624+/-20.409 χ^2/NDF: 64.9/43

All: 1.601+/-14.425 χ^2/NDF: 171.1/90

- sign 107.648+/-20.392 χ^2/NDF: 52.1/46

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

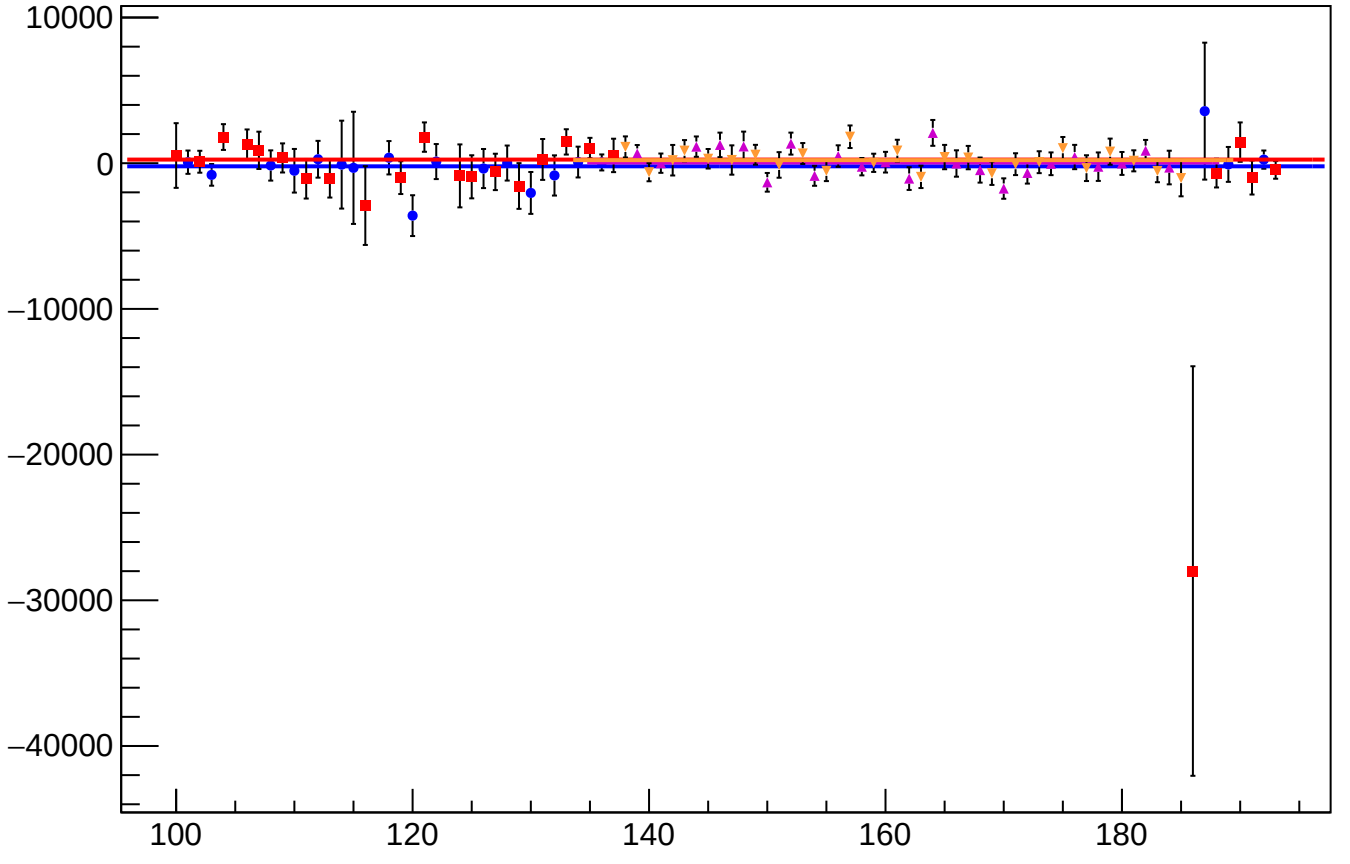
Right Out: 98.380+/-0.022 χ^2/NDF: 577429.8/23

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 107.689+/-0.014 χ^2/NDF: 889843.5/43

All: 107.700+/-0.010 χ^2/NDF: 2189836.5/90

- sign 107.712+/-0.014 χ^2/NDF: 1299991.7/46



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: 249.151+/-222.323 χ^2/NDF: 25.4/23

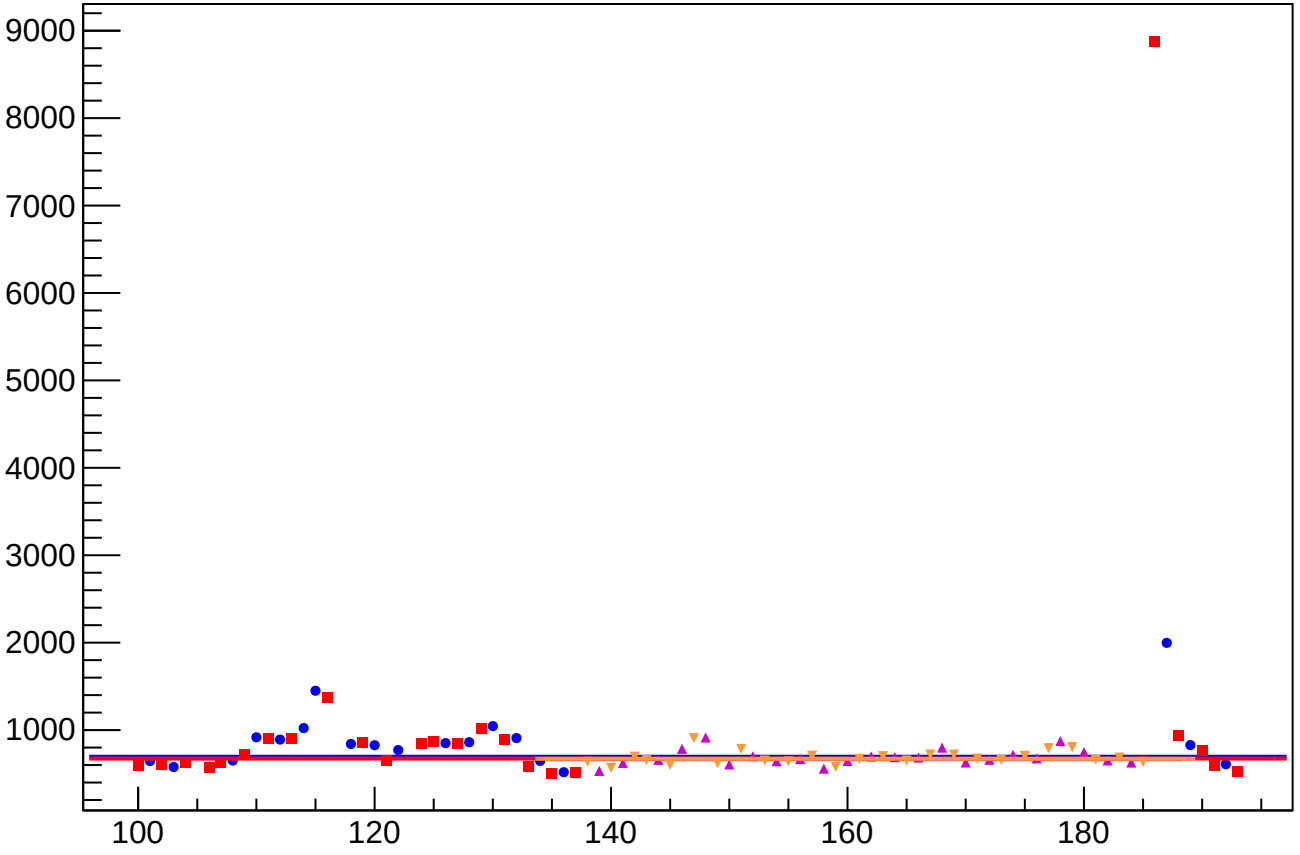
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 86.601+/-129.656 χ^2/NDF: 31.6/43

All: 101.793+/-91.273 χ^2/NDF: 90.9/90

- sign 116.718+/-128.510 χ^2/NDF: 59.2/46

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: 674.284+/-0.157 χ^2/NDF: 1729660.9/23

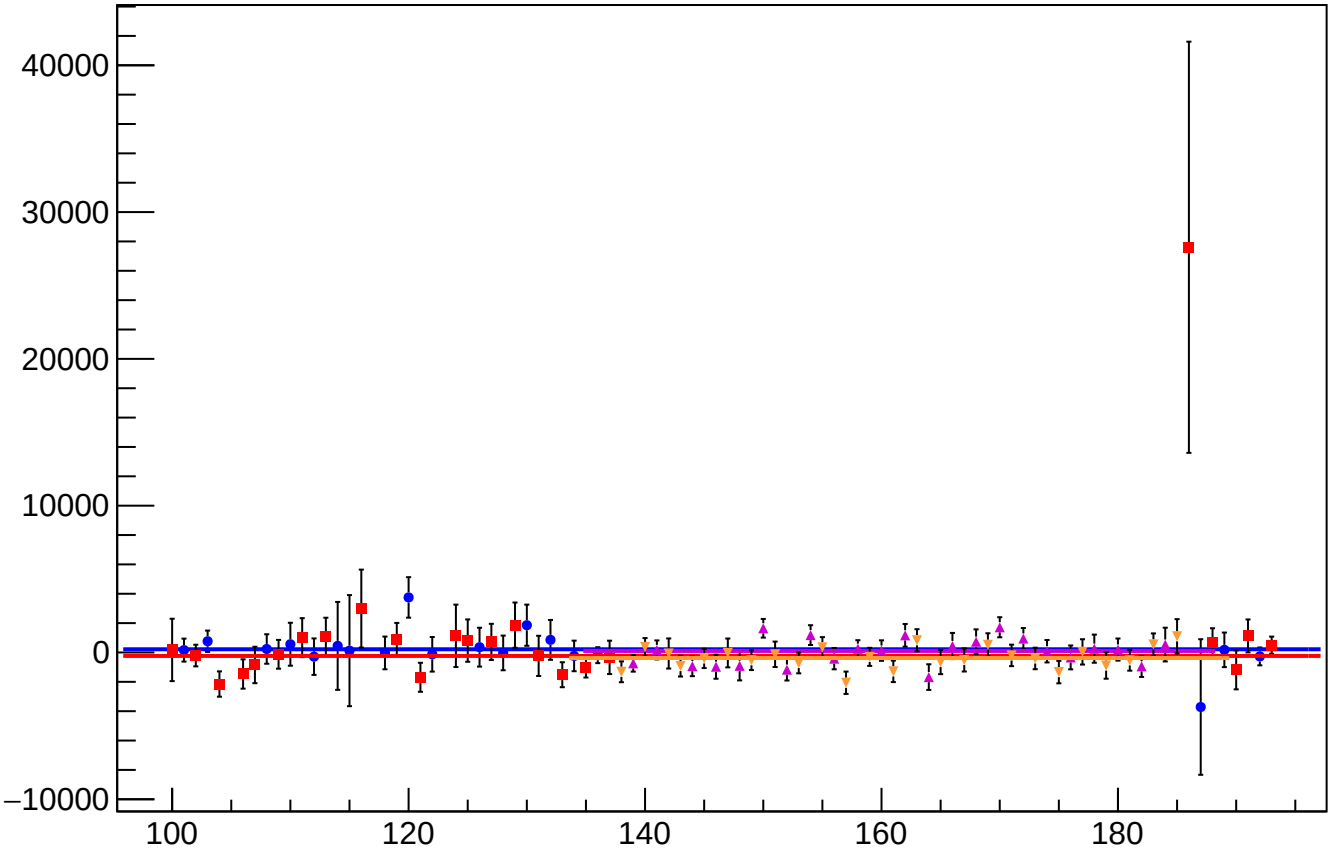
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 678.601+/-0.092 χ^2/NDF: 1382866.9/43

All: 674.092+/-0.065 χ^2/NDF: 3665528.4/90

- sign 669.662+/-0.091 χ^2/NDF: 2277865.3/46

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: -234.147+/-217.272 χ^2/NDF: 28.7/23

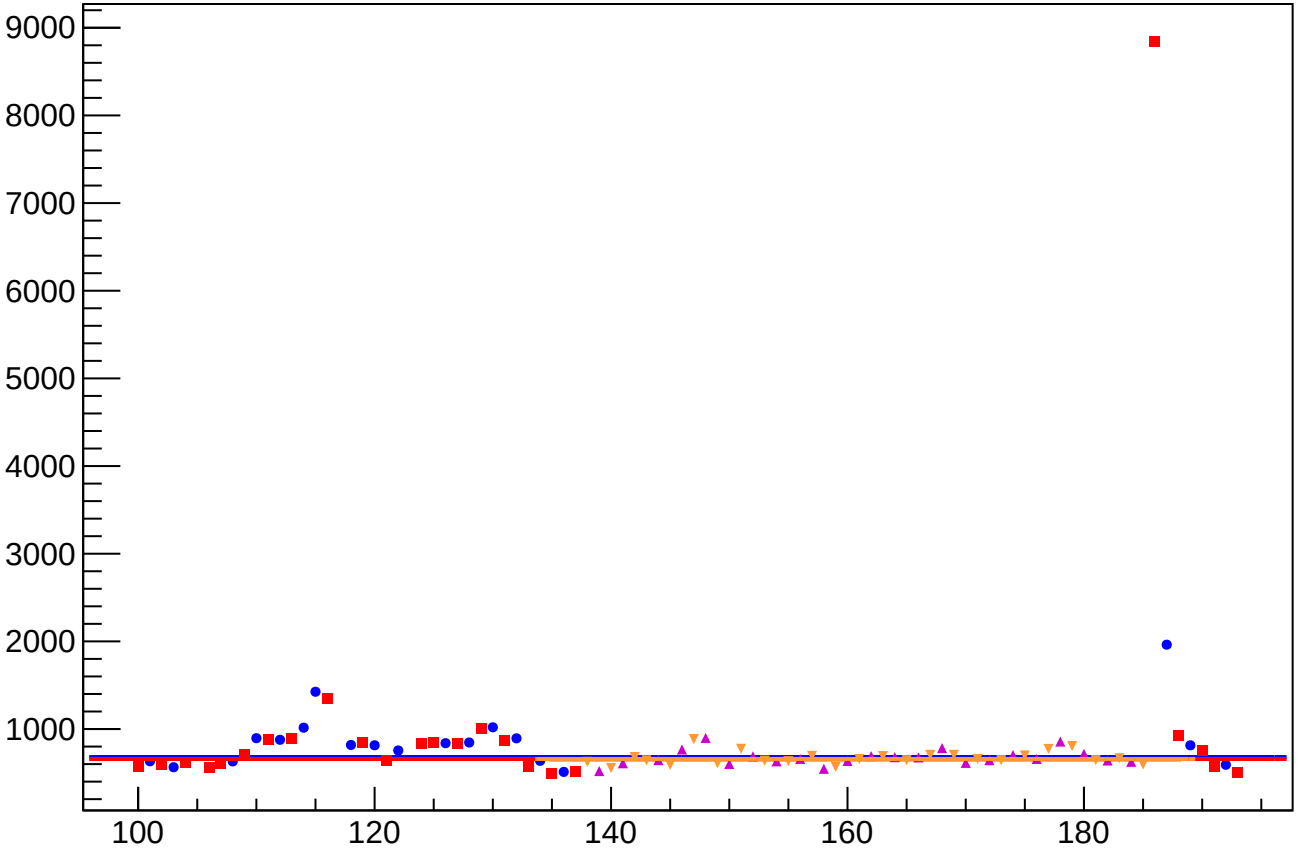
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -204.123+/-127.112 χ^2/NDF: 37.2/43

All: -105.997+/-89.422 χ^2/NDF: 104.2/90

- sign -9.852+/-125.823 χ^2/NDF: 65.8/46

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

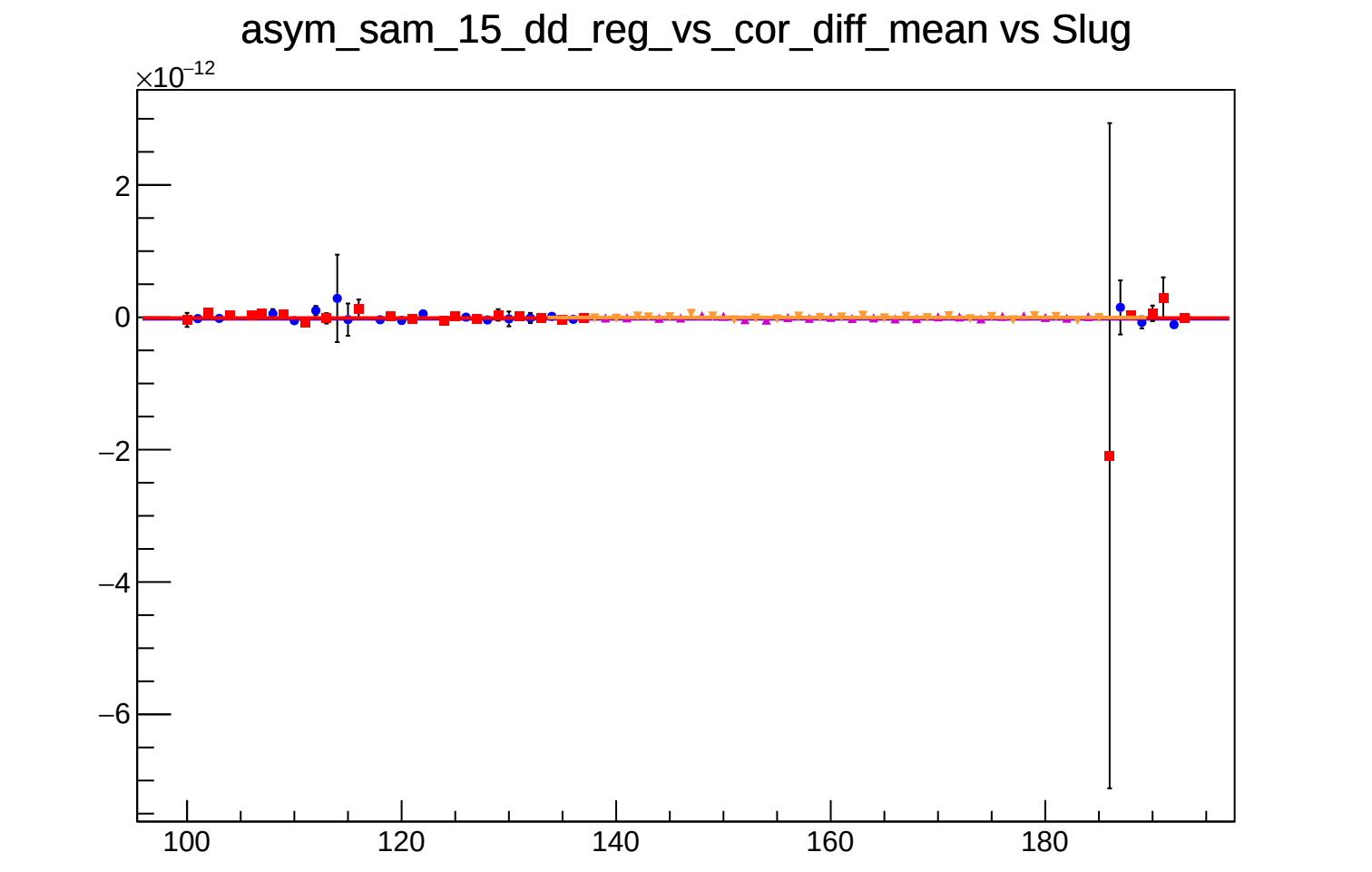
Right Out: 658.265+/-0.154 χ^2/NDF: 1761689.5/23

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 665.078+/-0.090 χ^2/NDF: 1394574.2/43

All: 660.188+/-0.063 χ^2/NDF: 3704725.9/90

- sign 655.397+/-0.089 χ^2/NDF: 2304292.0/46



Right In: -0.000+/-0.000 χ^2/NDF: 12.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

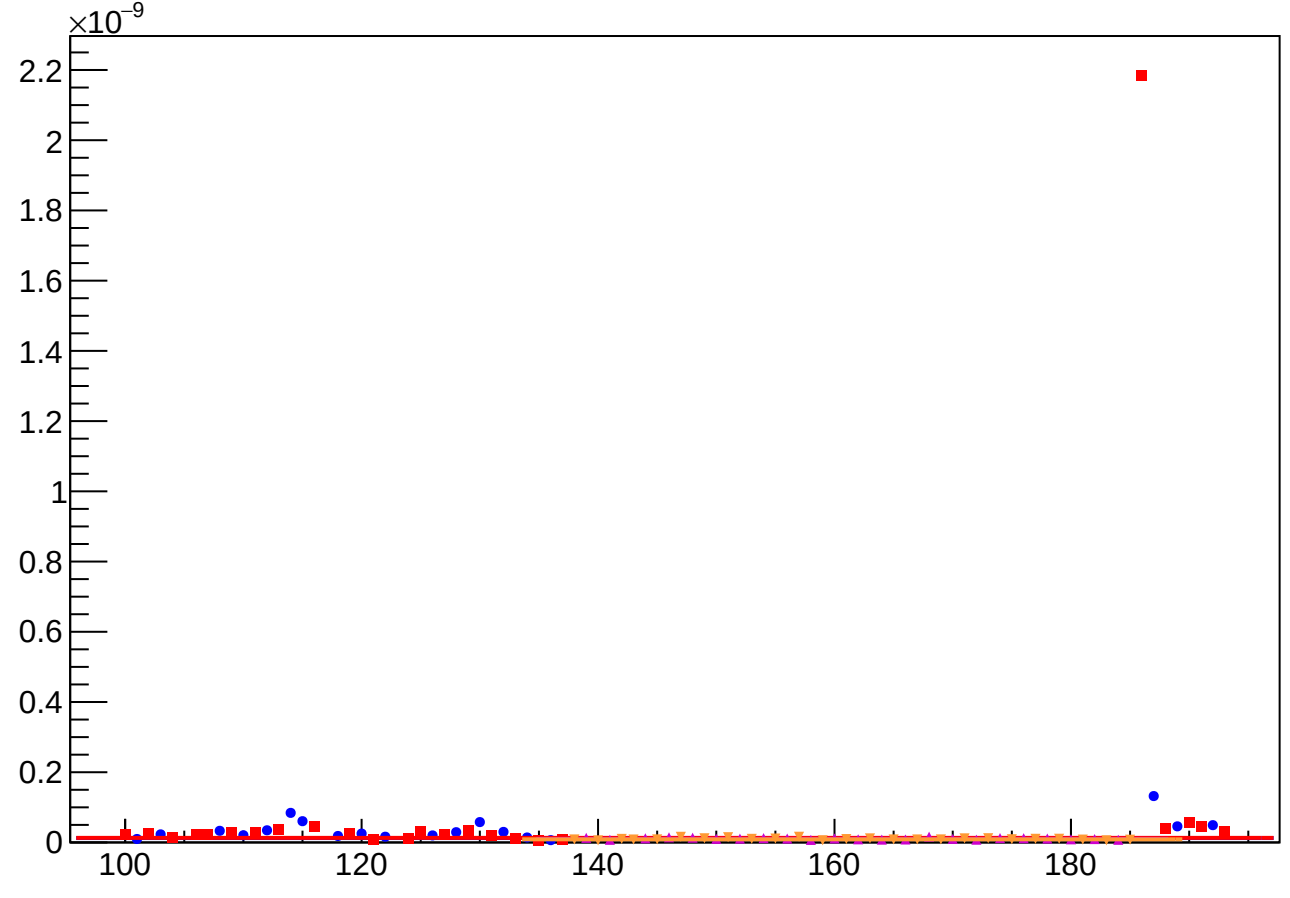
Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/23

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: 85.1/90

- sign -0.000+/-0.000 χ^2/NDF: 34.9/46



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: 3567450.7/23

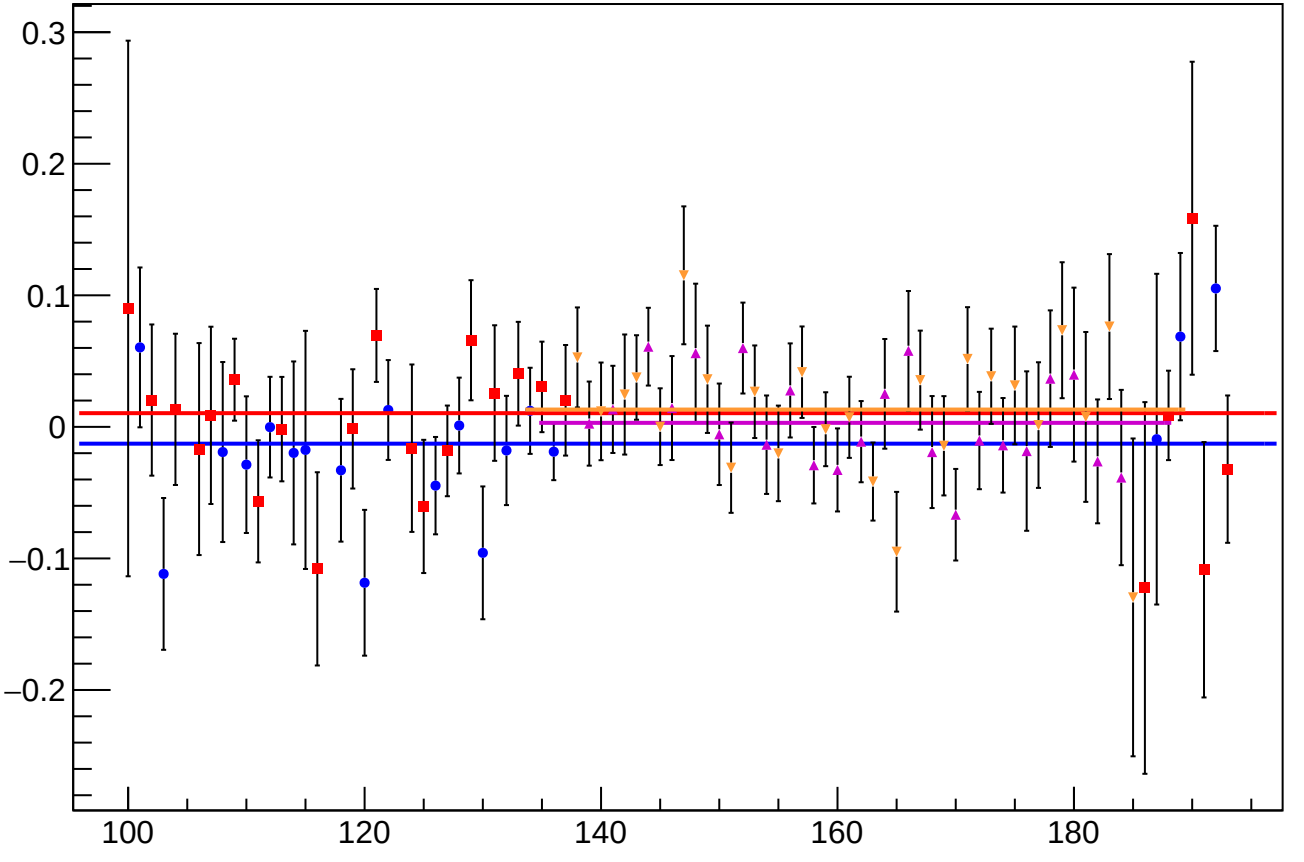
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4580395.5/43

All: 0.000+/-0.000 χ^2/NDF: 9167348.5/90

- sign 0.000+/-0.000 χ^2/NDF: 4448102.5/46

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: 0.010+/-0.010 χ^2/NDF: 18.5/23

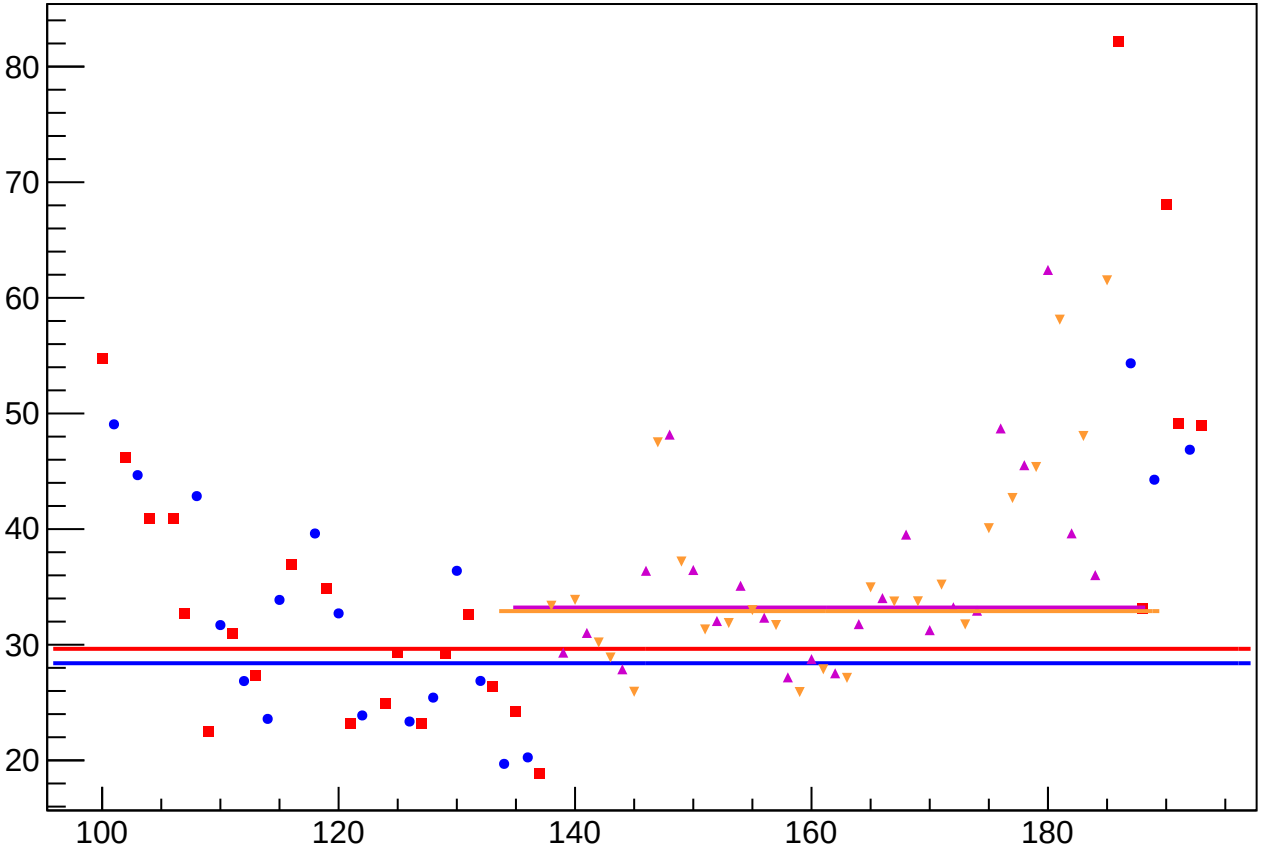
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.004+/-0.006 χ^2/NDF: 50.4/43

All: 0.005+/-0.004 χ^2/NDF: 88.5/90

- sign 0.006+/-0.006 χ^2/NDF: 38.0/46

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

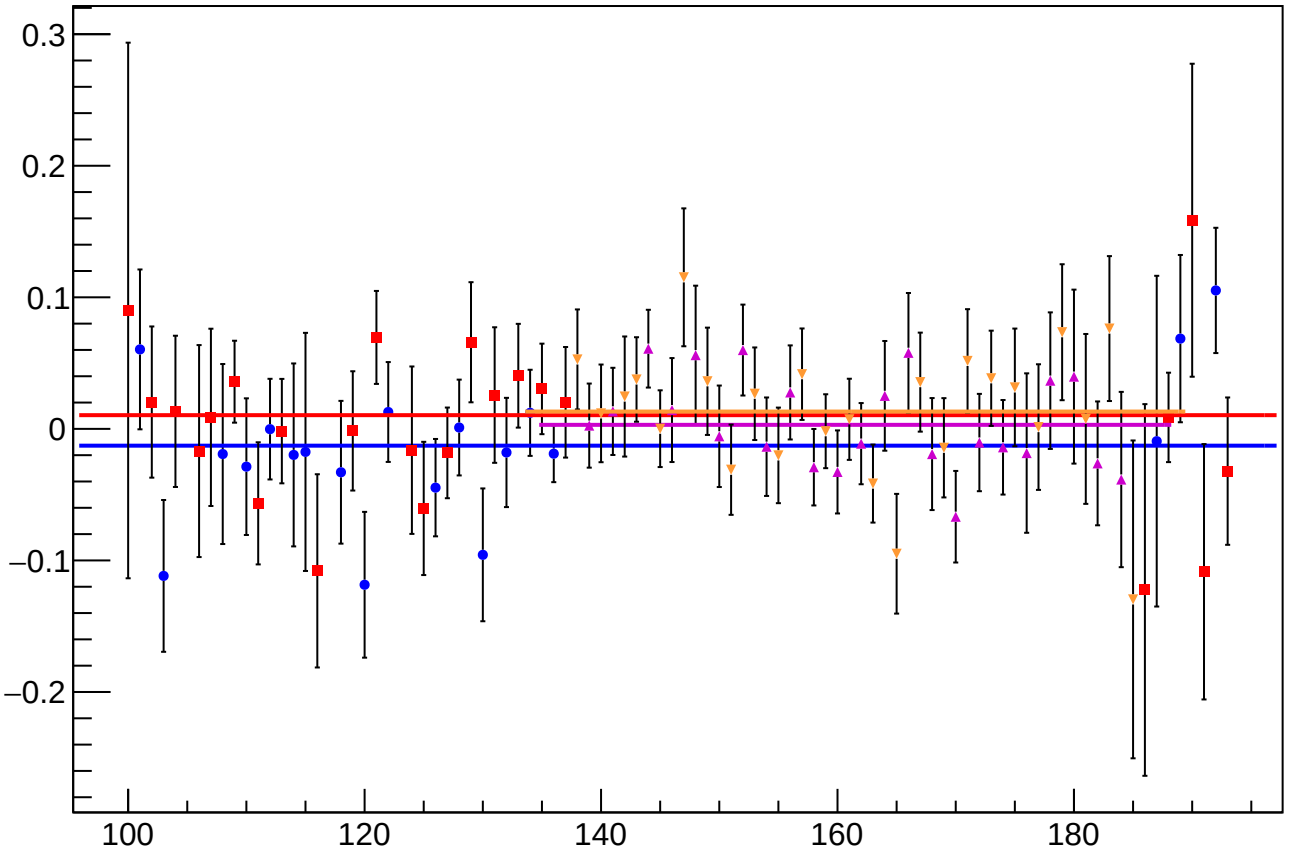
Right Out: 29.646+/-0.007 χ^2/NDF: 1649034.5/23

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 31.256+/-0.004 χ^2/NDF: 3352995.5/43

All: 31.523+/-0.003 χ^2/NDF: 6391112.8/90

\- sign 31.797+/-0.004 χ^2/NDF: 3030369.2/46



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: 0.010+/-0.010 χ^2/NDF: 18.5/23

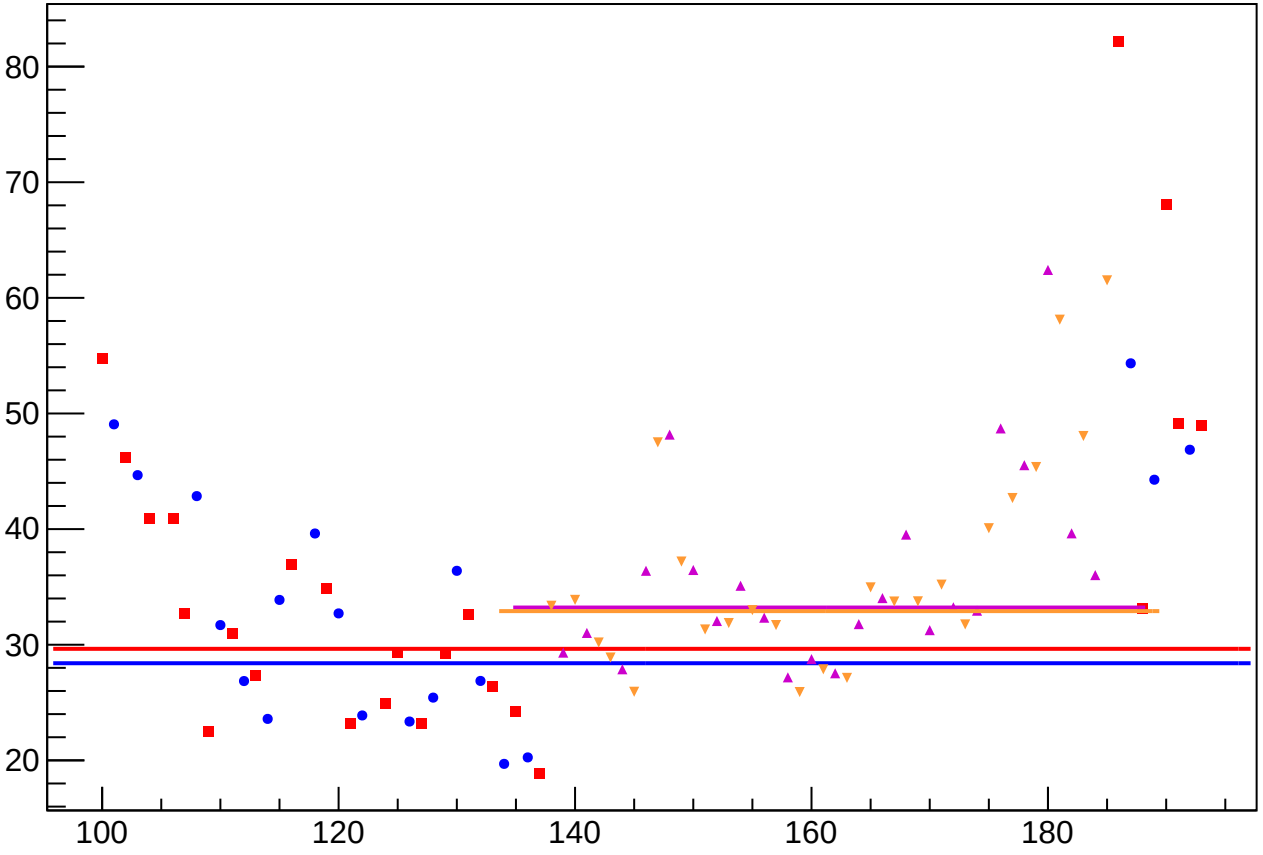
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.004+/-0.006 χ^2/NDF: 50.4/43

All: 0.005+/-0.004 χ^2/NDF: 88.5/90

- sign 0.006+/-0.006 χ^2/NDF: 38.0/46

asym_sam_15_dd_dit_vs_eigen_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: 29.646+/-0.007 χ^2/NDF: 1649034.5/23

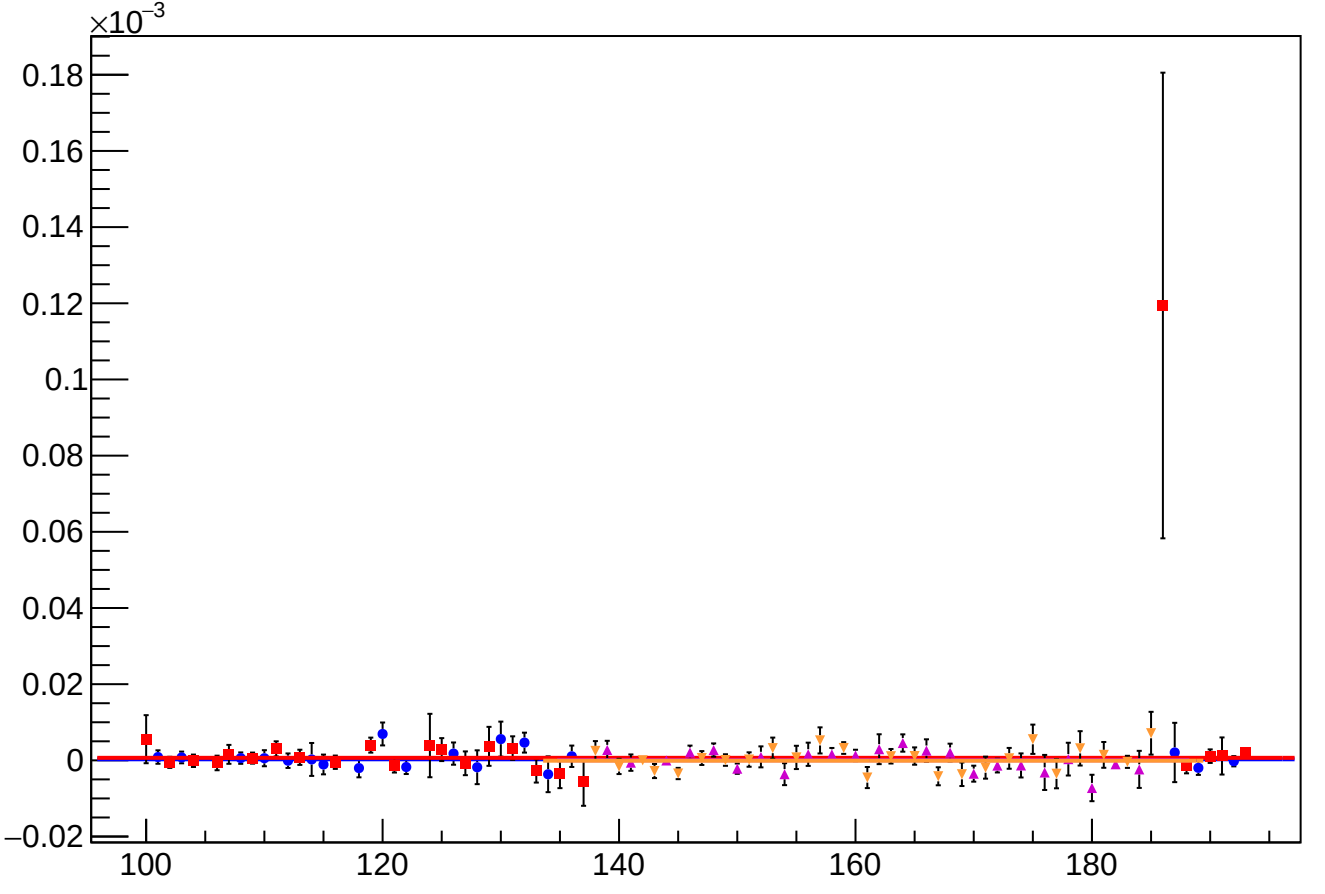
Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 31.256+/-0.004 χ^2/NDF: 3352995.5/43

All: 31.523+/-0.003 χ^2/NDF: 6391112.8/90

\- sign 31.797+/-0.004 χ^2/NDF: 3030369.2/46

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/23

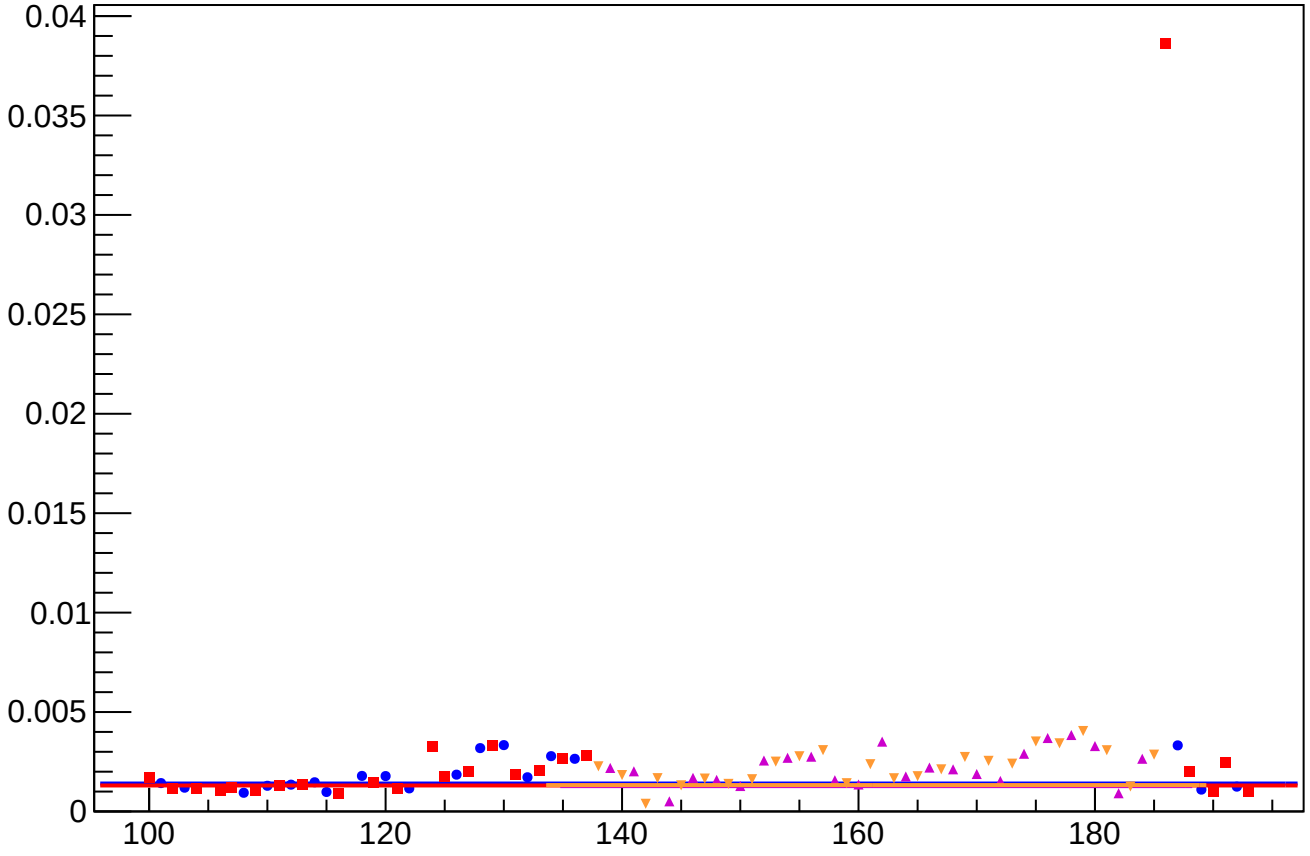
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.0/43

All: 0.000+/-0.000 χ^2/NDF: 93.8/90

- sign 0.000+/-0.000 χ^2/NDF: 47.5/46

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

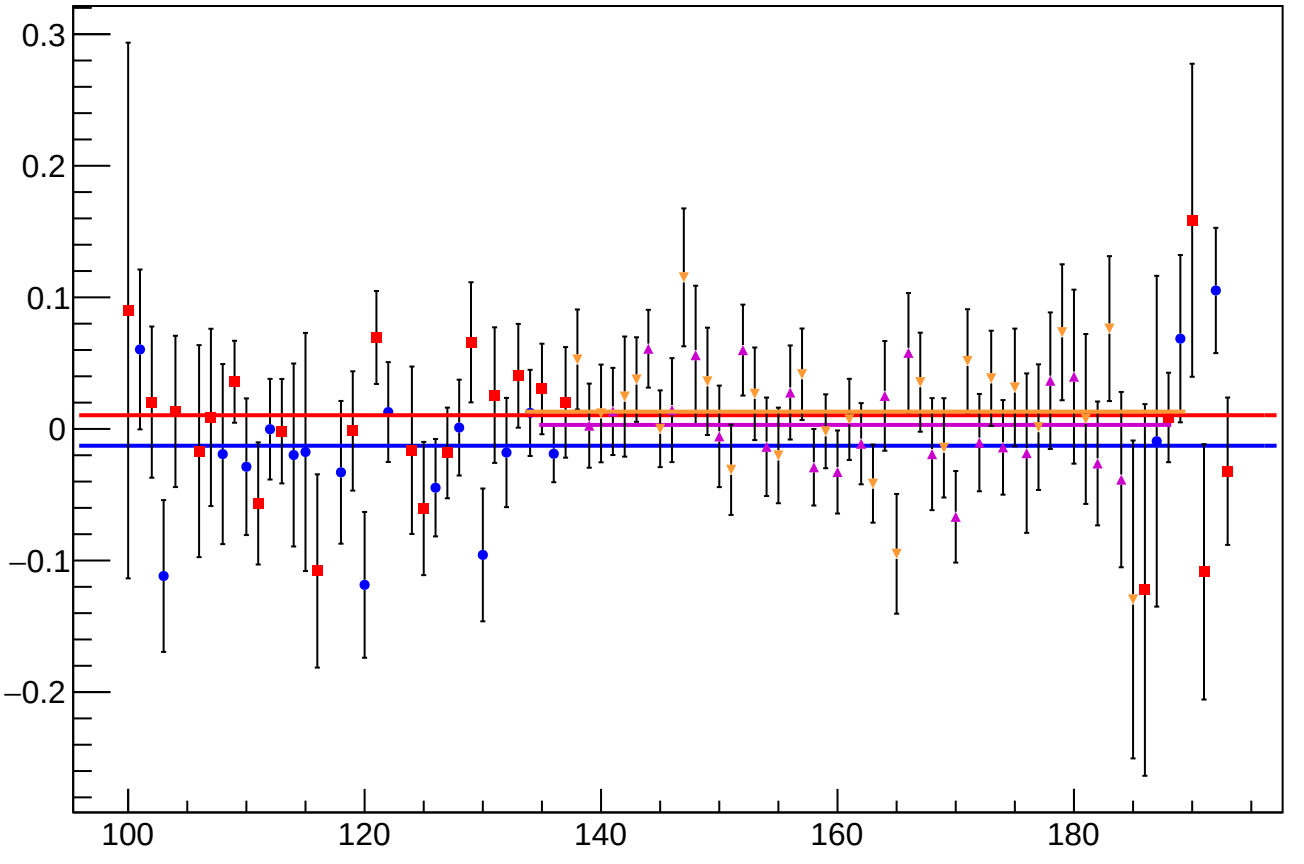
Right Out: 0.001+/-0.000 χ^2/NDF: 2677977.3/23

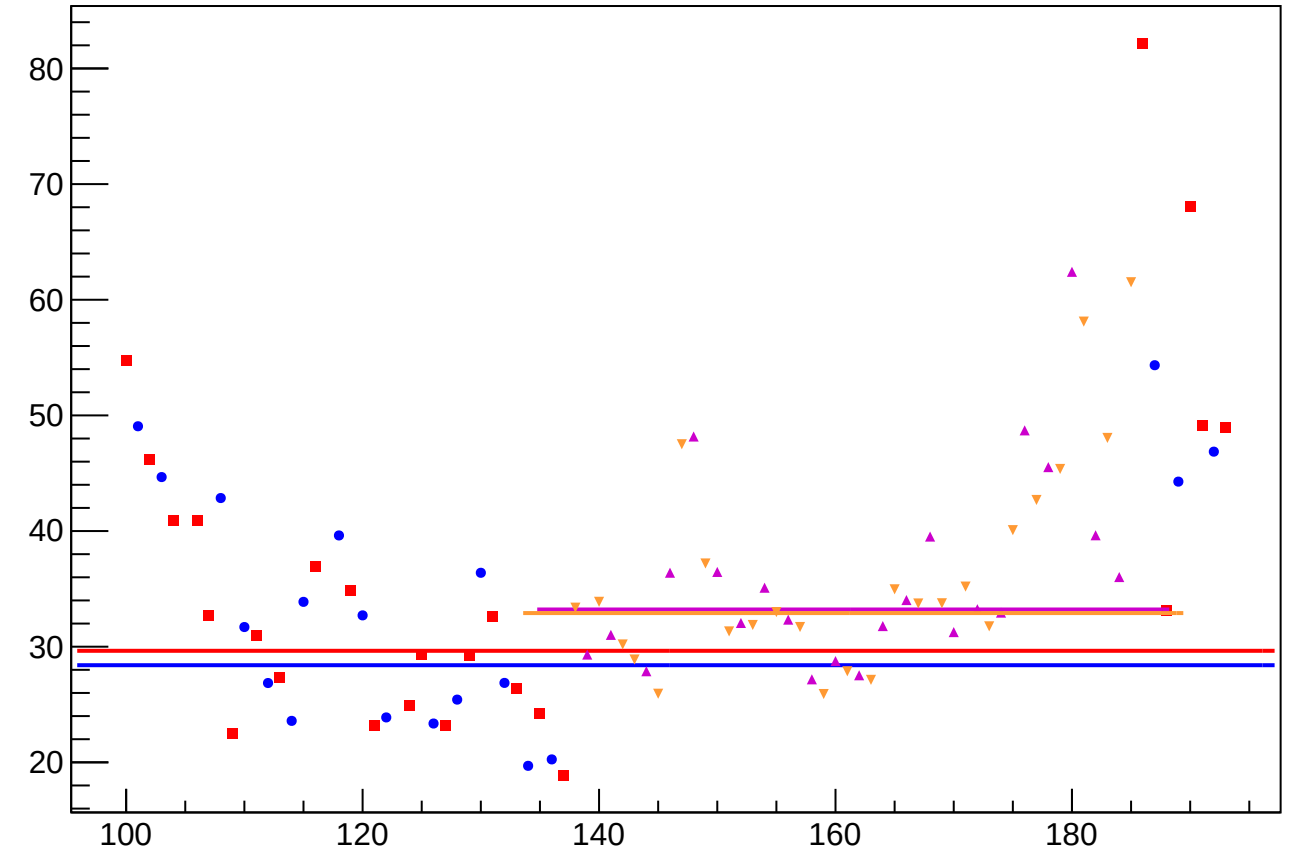
Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 13117675.8/43

All: 0.001+/-0.000 χ^2/NDF: 25734141.3/90

- sign 0.001+/-0.000 χ^2/NDF: 12563059.2/46


asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
Right In: -0.013+/-0.010 χ²/NDF: 20.9/18
Left Out: 0.013+/-0.008 χ²/NDF:25.4/24
Right Out: 0.010+/-0.010 χ²/NDF: 18.5/23
Left In: 0.003+/-0.008 χ²/NDF:19.2/22
+ sign 0.004+/-0.006 χ²/NDF: 50.4/43
All: 0.005+/-0.004 χ²/NDF: 88.5/90
- sign 0.006+/-0.006 χ²/NDF: 38.0/46



Right In: 28.400+/-0.007 χ^2/NDF: 1672746.5/18

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

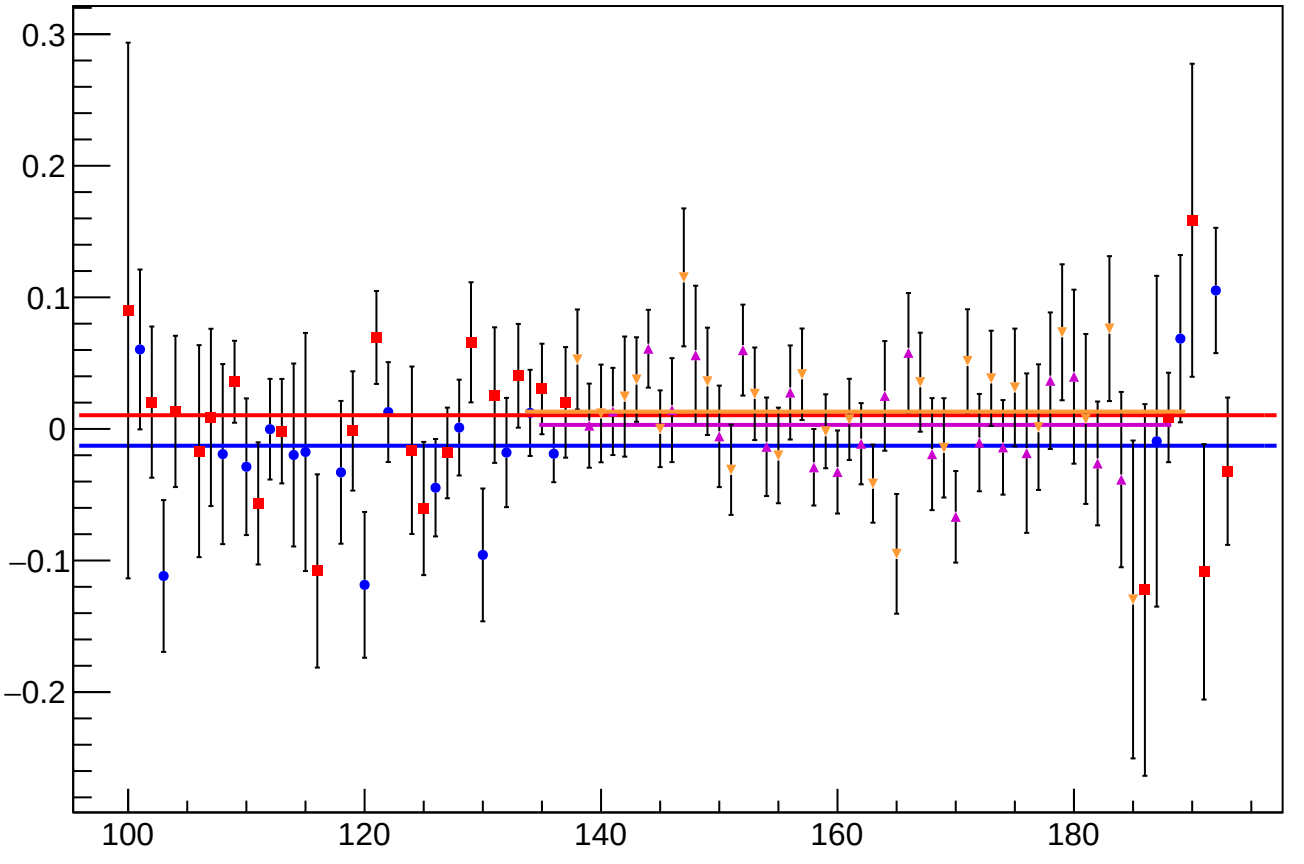
Right Out: 29.645+/-0.007 χ^2/NDF: 1649187.2/23

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

\+ sign 31.256+/-0.004 χ^2/NDF: 3353266.0/43

All: 31.523+/-0.003 χ^2/NDF: 6391721.6/90

\- sign 31.796+/-0.004 χ^2/NDF: 3030710.8/46



Right In: -0.013+/-0.010 χ^2/NDF: 20.9/18

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

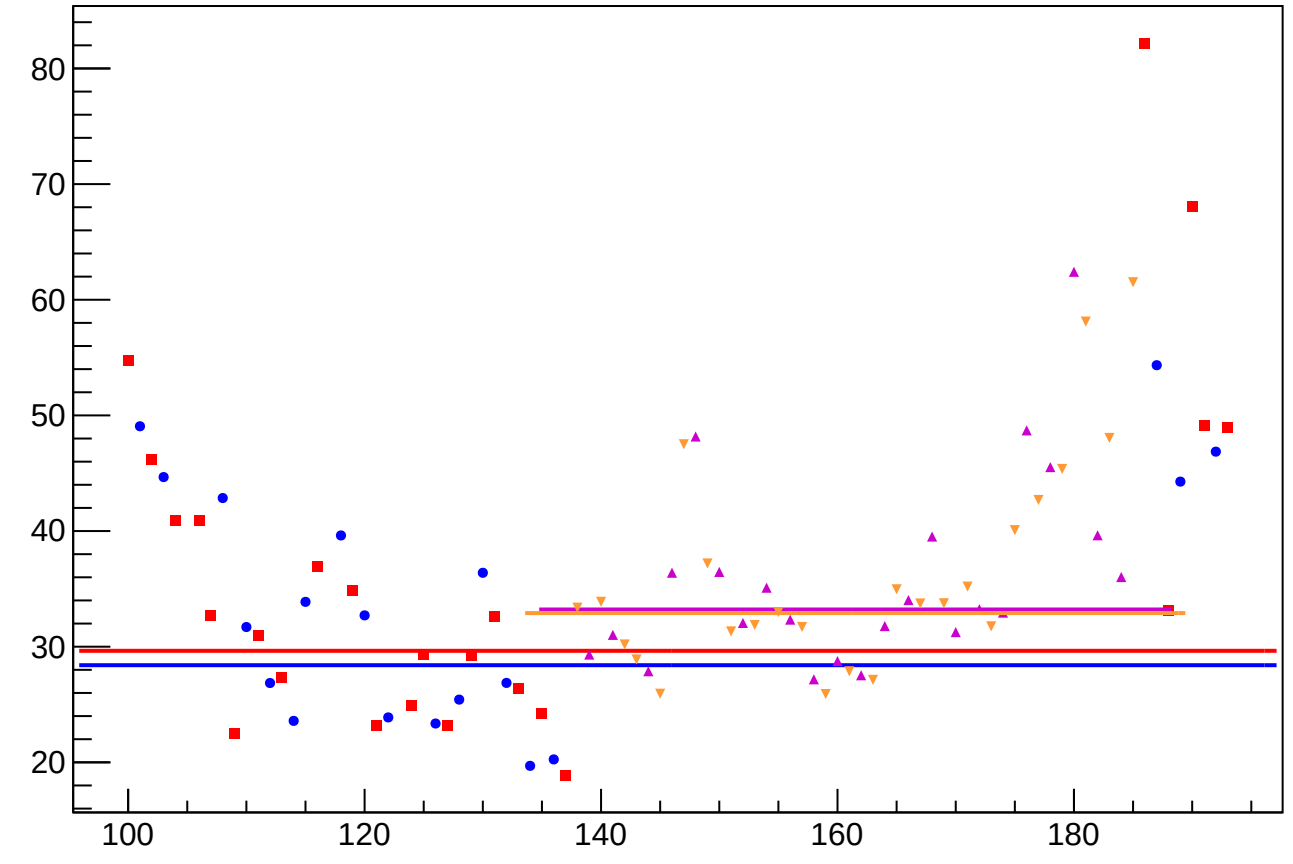
Right Out: 0.010+/-0.010 χ^2/NDF: 18.5/23

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: 88.5/90

- sign 0.006+/-0.006 χ^2/NDF: 38.0/46



Right In: 28.400+/-0.007 χ^2/NDF: 1672746.5/18

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

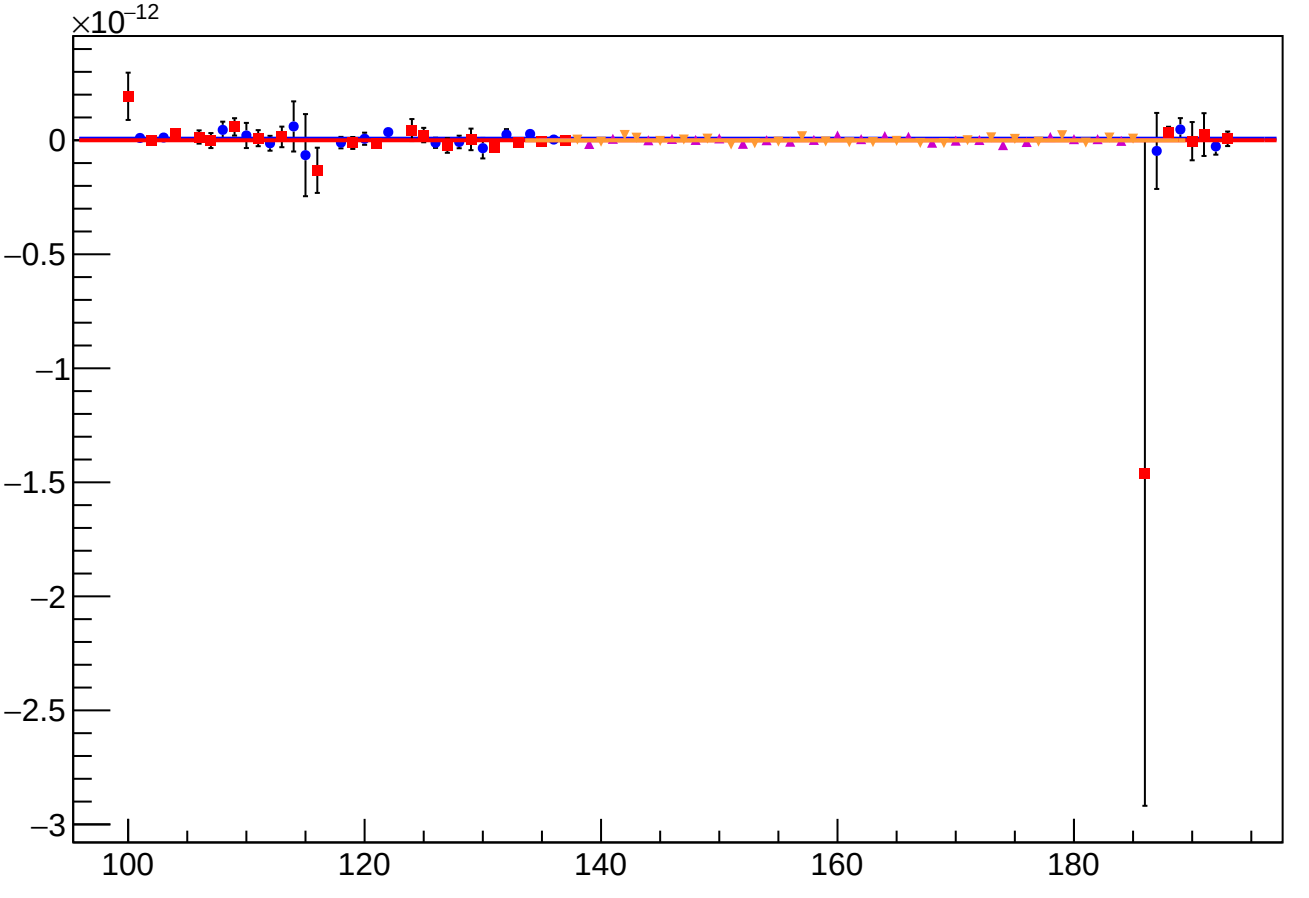
Right Out: 29.645+/-0.007 χ^2/NDF: 1649187.2/23

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.256+/-0.004 χ^2/NDF: 3353266.0/43

All: 31.523+/-0.003 χ^2/NDF: 6391721.6/90

- sign 31.796+/-0.004 χ^2/NDF: 3030710.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 9.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

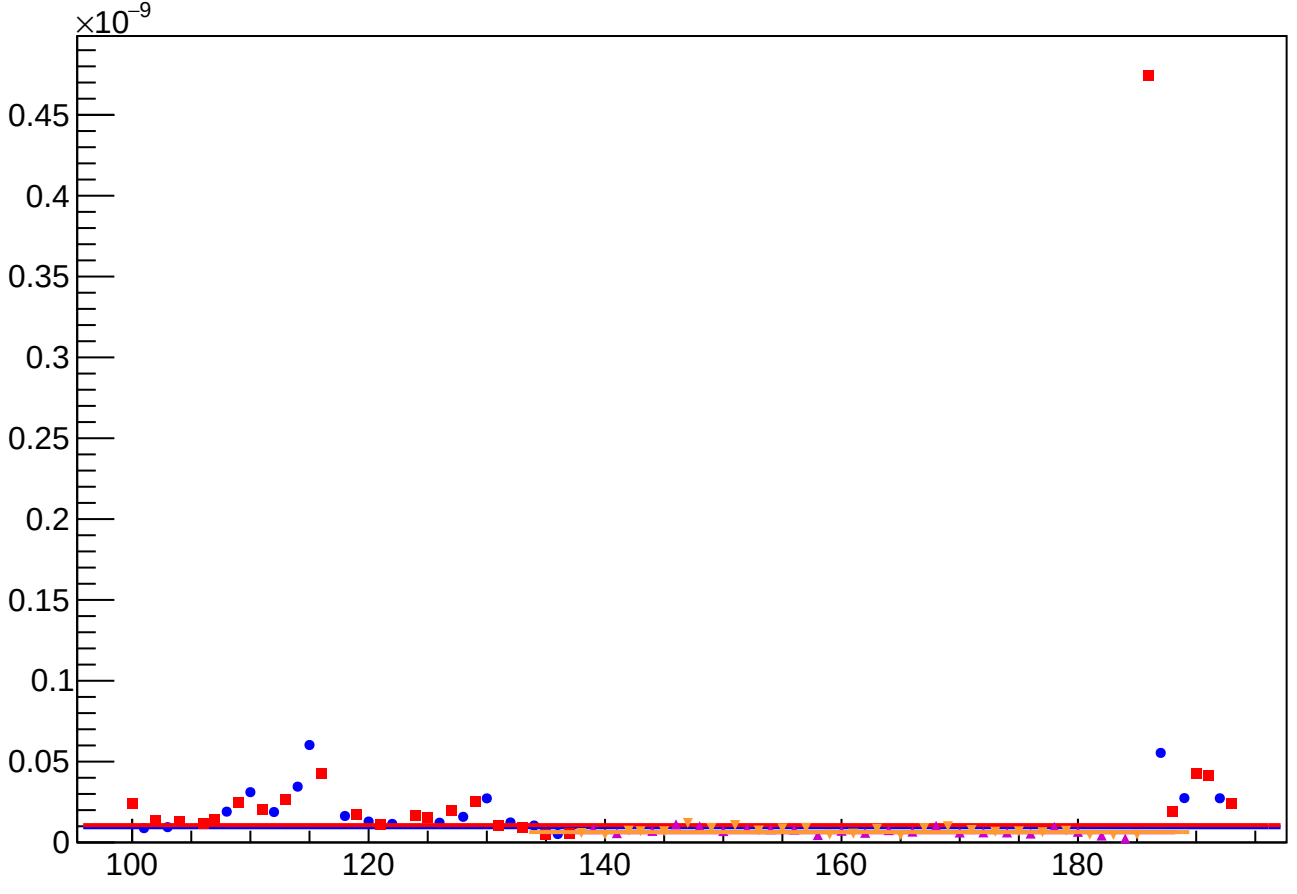
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/23

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: 86.5/90

- sign 0.000+/-0.000 χ^2/NDF: 43.3/46



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: 3971085.6/23

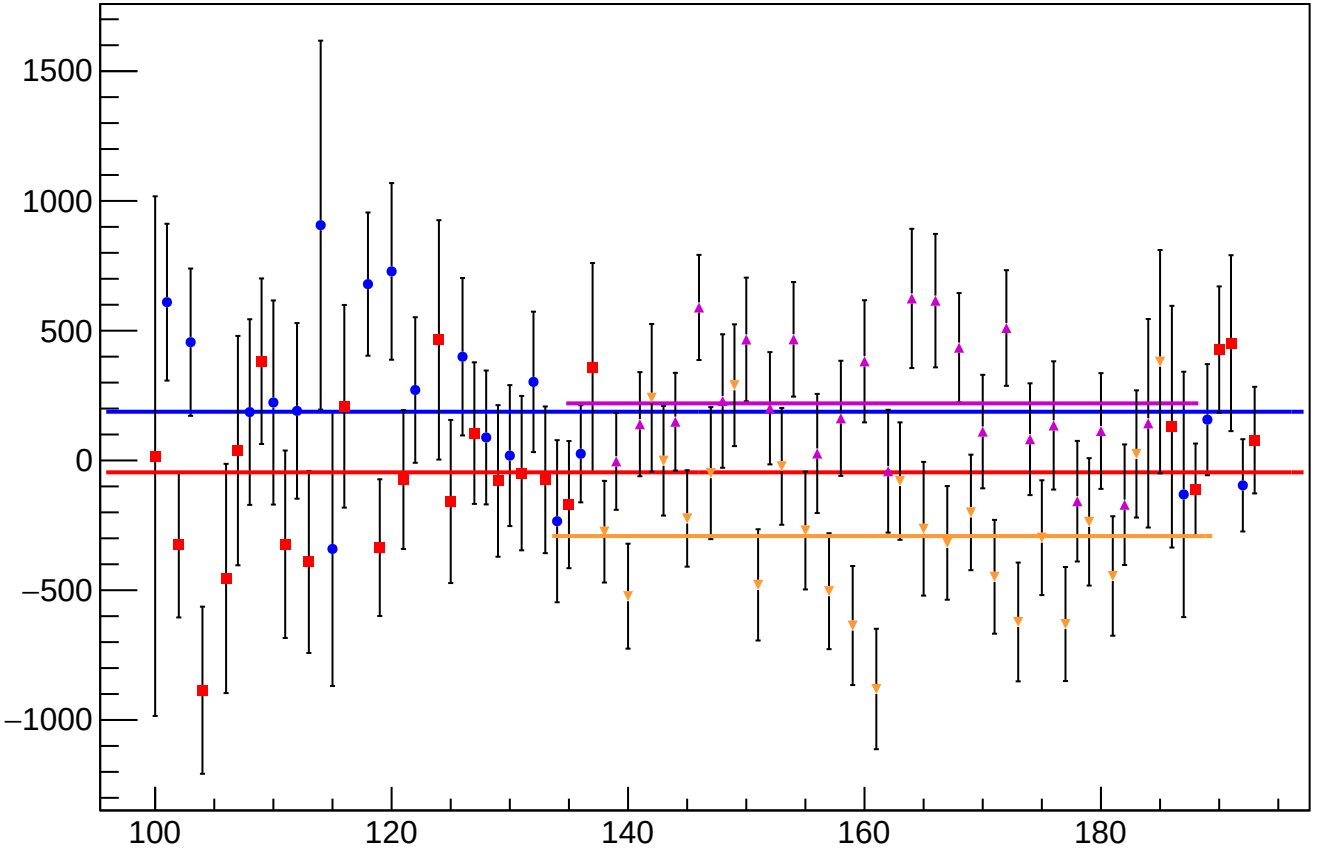
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5954202.3/43

All: 0.000+/-0.000 χ^2/NDF: 13532798.4/90

- sign 0.000+/-0.000 χ^2/NDF: 7577136.8/46

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: -45.756+/-61.248 χ^2/NDF: 23.2/23

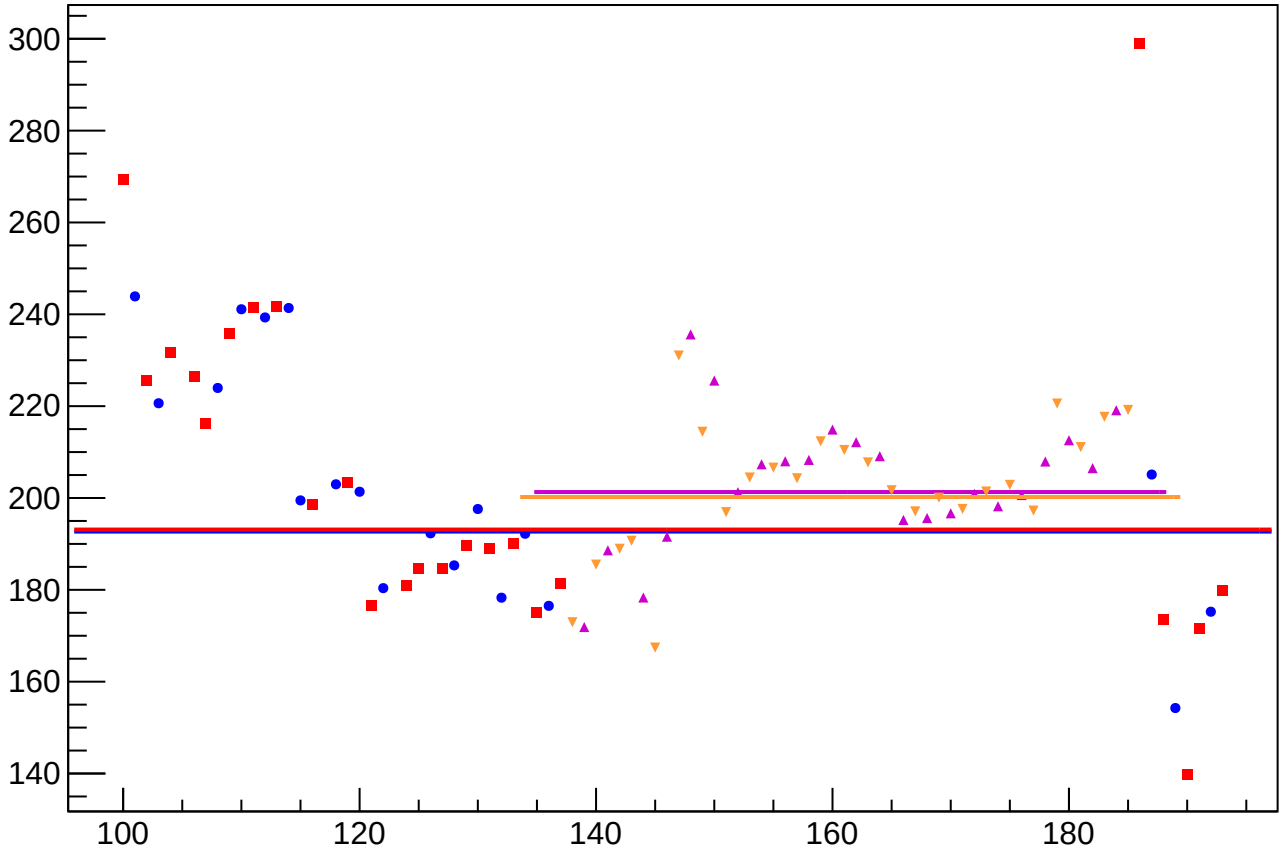
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -133.418+/-37.348 χ^2/NDF: 90.2/43

All: -6.196+/-26.413 χ^2/NDF: 172.2/90

- sign 121.106+/-37.359 χ^2/NDF: 58.8/46

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

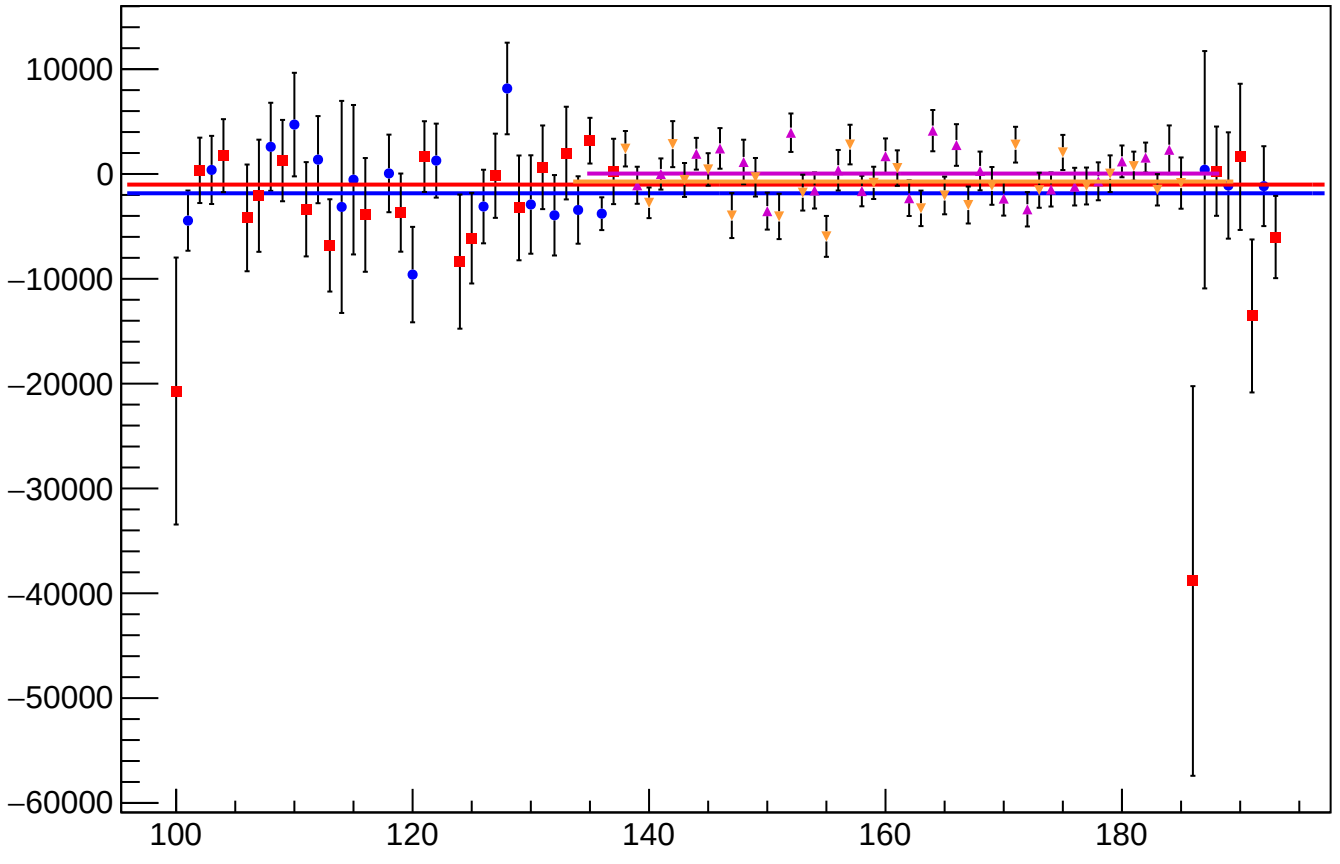
Right Out: 193.127+/-0.043 χ^2/NDF: 463443.4/23

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 197.731+/-0.026 χ^2/NDF: 508464.2/43

All: 197.994+/-0.019 χ^2/NDF: 1176102.4/90

\- sign 198.257+/-0.026 χ^2/NDF: 667439.5/46



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: -1012.708+/-846.457 χ^2/NDF: 23.8/23

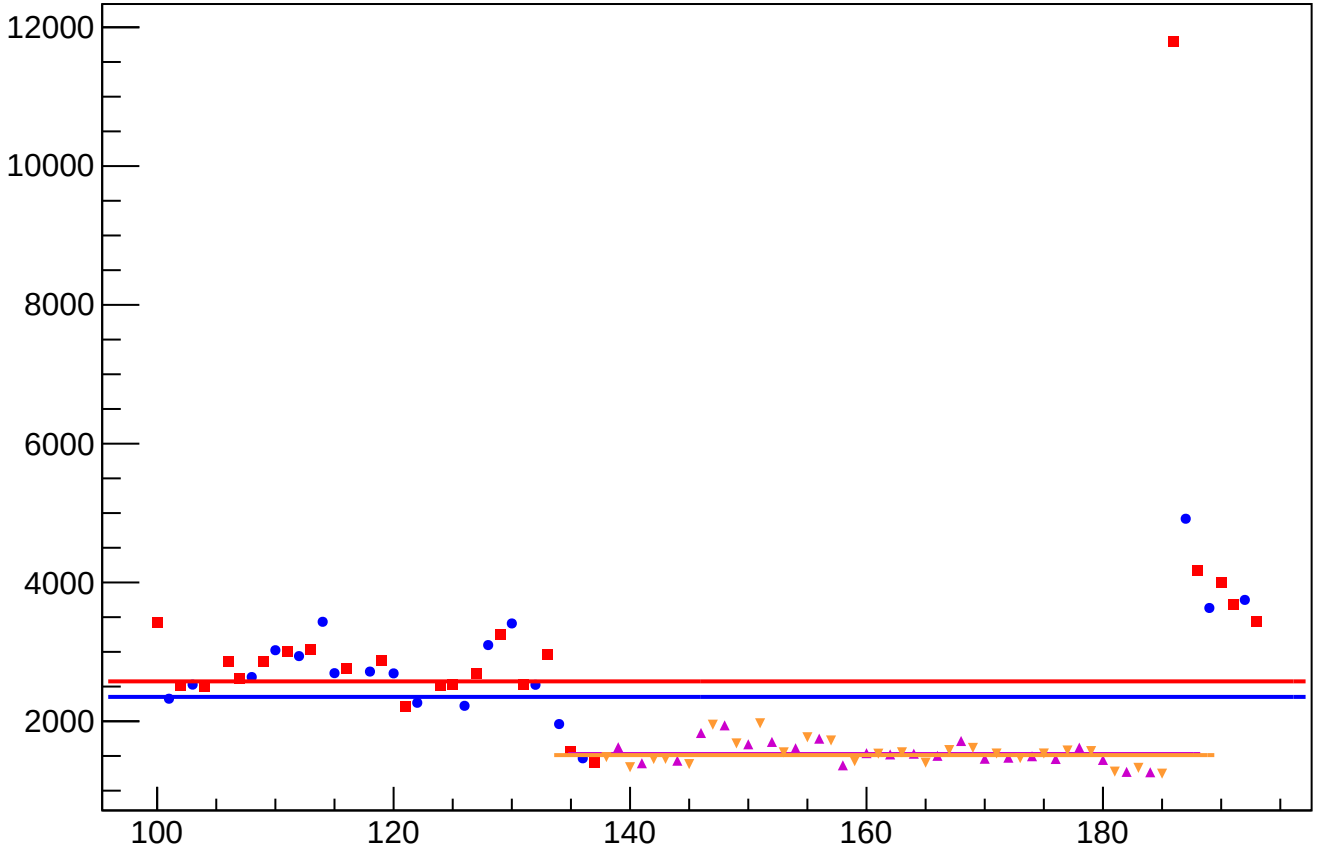
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -888.785+/-319.349 χ^2/NDF: 56.2/43

All: -518.454+/-229.725 χ^2/NDF: 118.5/90

- sign -121.304+/-330.710 χ^2/NDF: 59.5/46

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: 2574.833+/-0.599 χ^2/NDF: 1875927.1/23

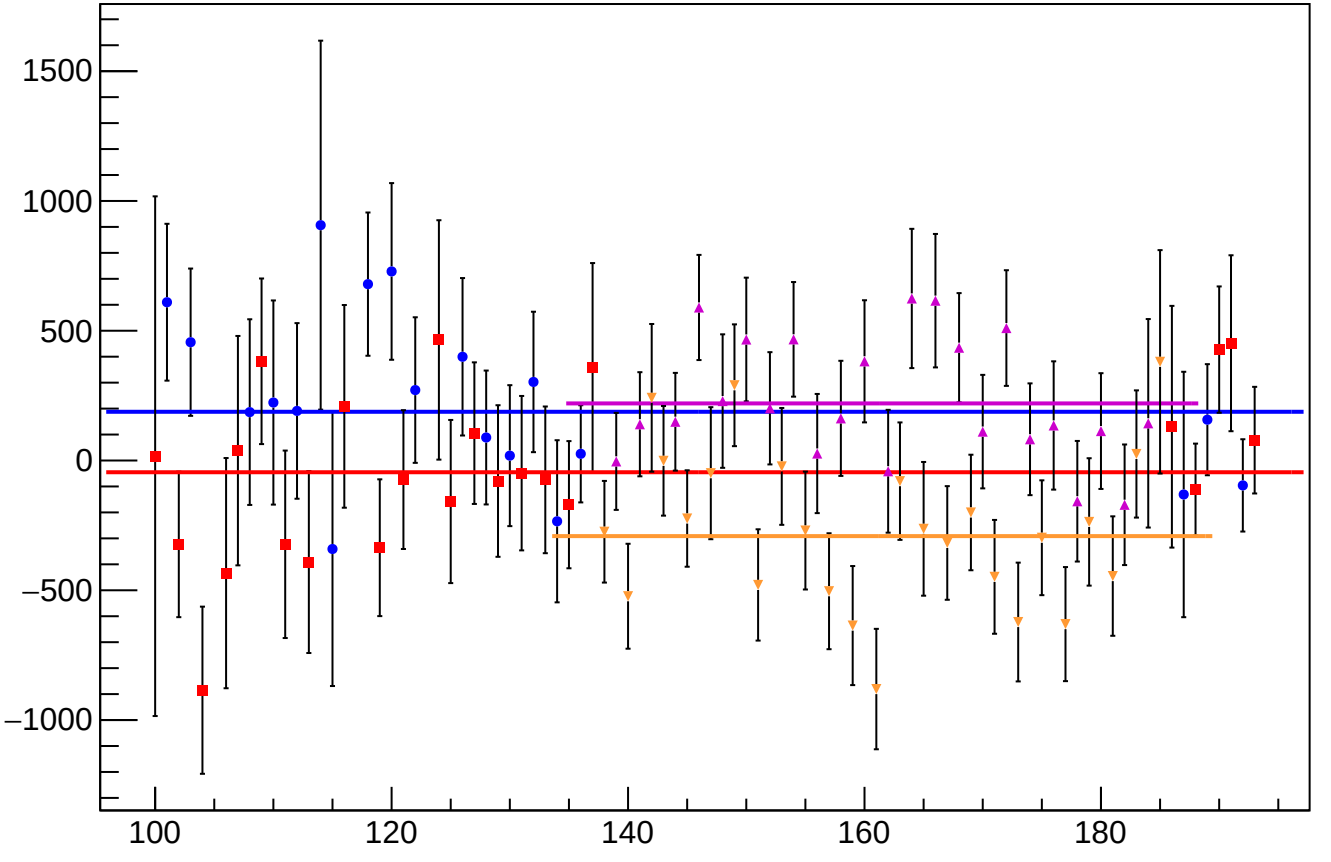
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1638.138+/-0.226 χ^2/NDF: 3688967.8/43

All: 1662.084+/-0.162 χ^2/NDF: 8554251.3/90

- sign 1687.764+/-0.234 χ^2/NDF: 4841978.7/46

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: -45.211+/-61.254 χ^2/NDF: 23.1/23

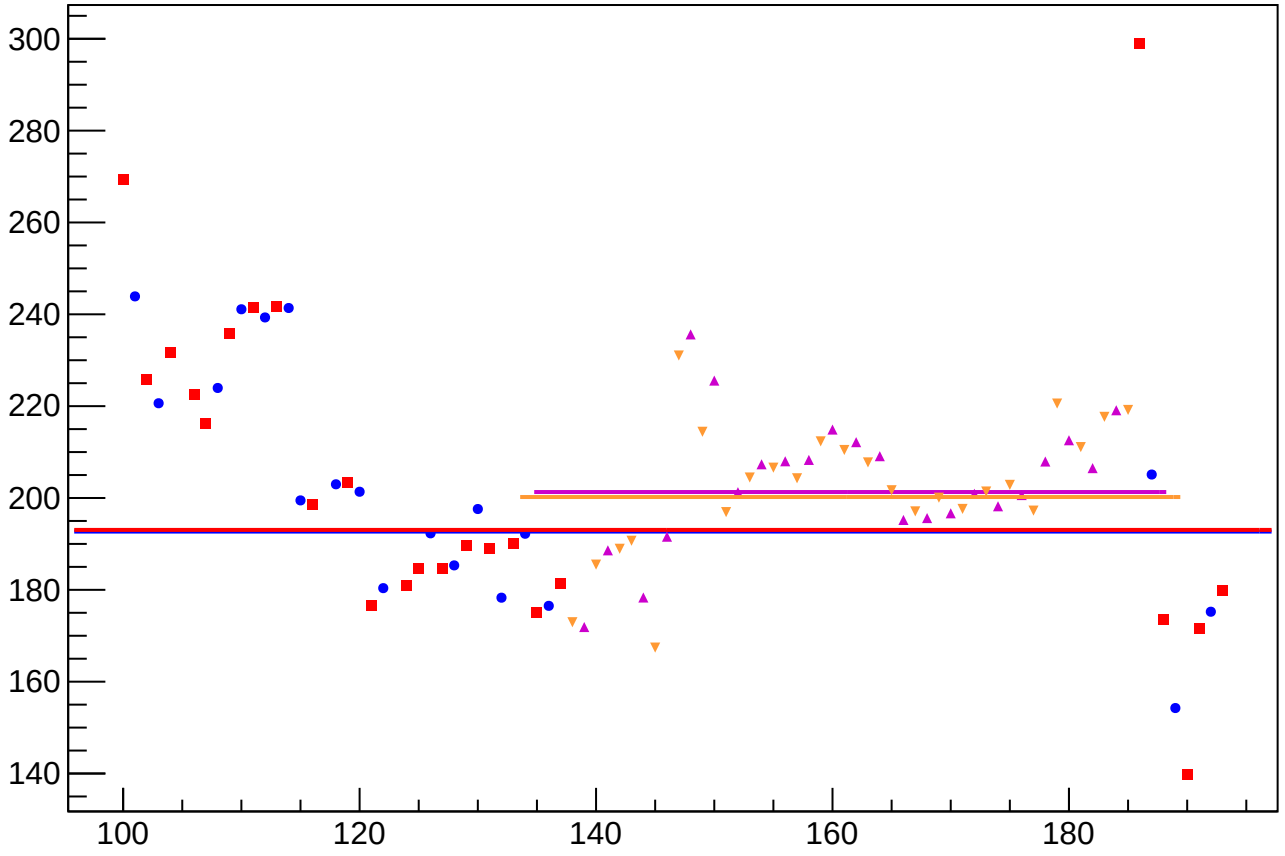
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -133.420+/-37.348 χ^2/NDF: 90.2/43

All: -6.092+/-26.413 χ^2/NDF: 172.1/90

- sign 121.326+/-37.361 χ^2/NDF: 58.6/46

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

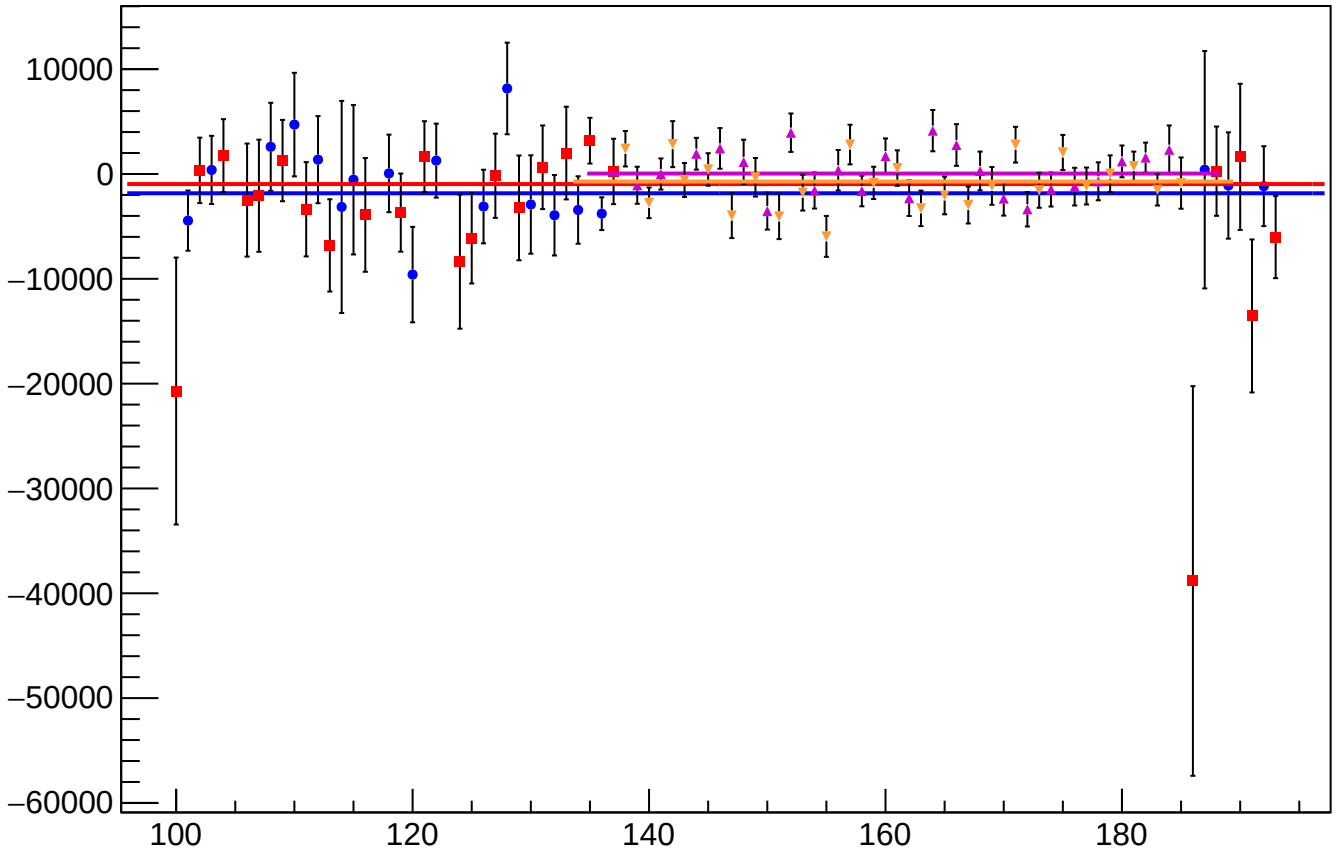
Right Out: 193.049+/-0.043 χ^2/NDF: 460929.9/23

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 197.731+/-0.026 χ^2/NDF: 508464.6/43

All: 197.980+/-0.019 χ^2/NDF: 1173994.7/90

\- sign 198.229+/-0.026 χ^2/NDF: 665352.5/46



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: -961.362+/-847.755 χ^2/NDF: 23.5/23

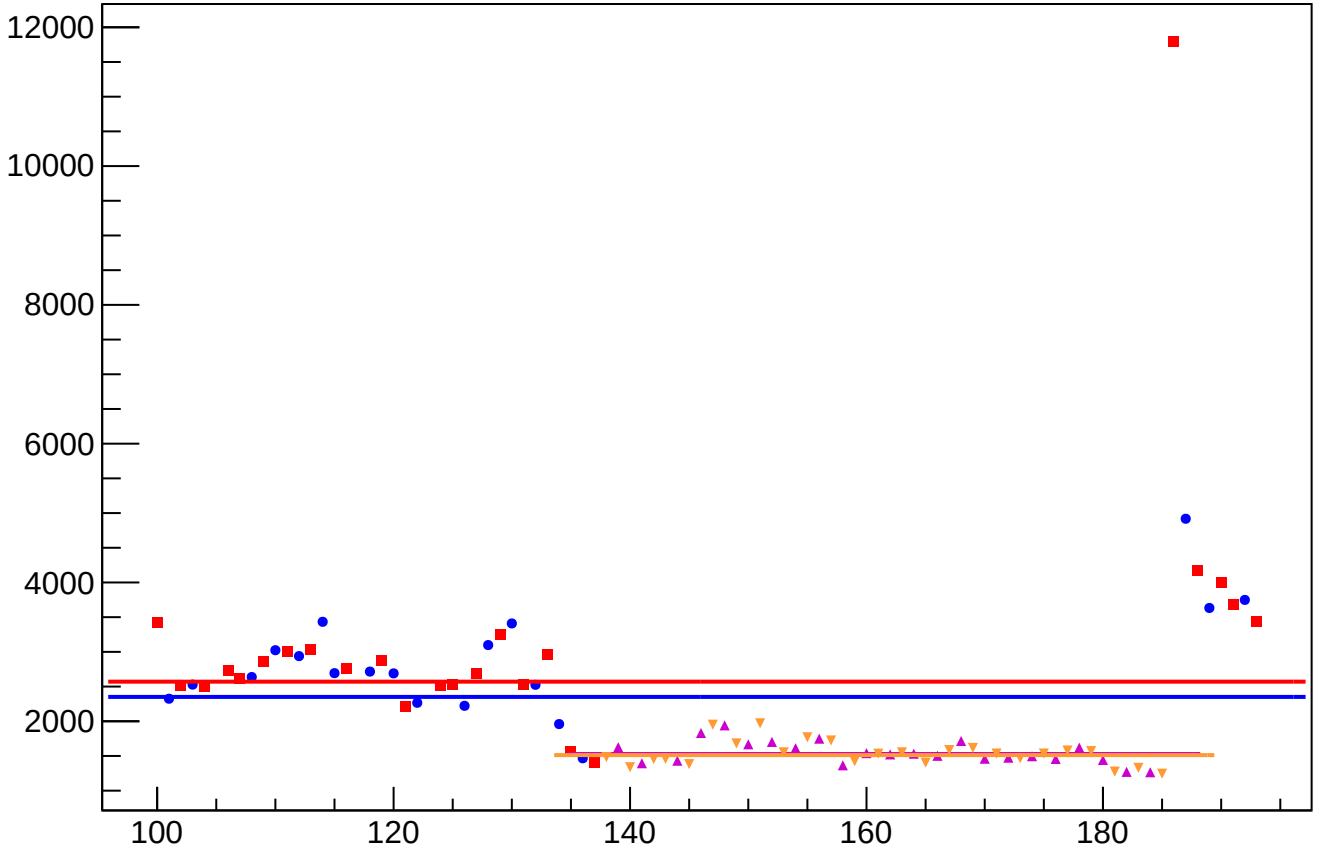
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -888.783+/-319.349 χ^2/NDF: 56.2/43

All: -514.571+/-229.751 χ^2/NDF: 118.2/90

- sign -113.072+/-330.787 χ^2/NDF: 59.1/46

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: 2570.657+/-0.599 χ^2/NDF: 1870939.0/23

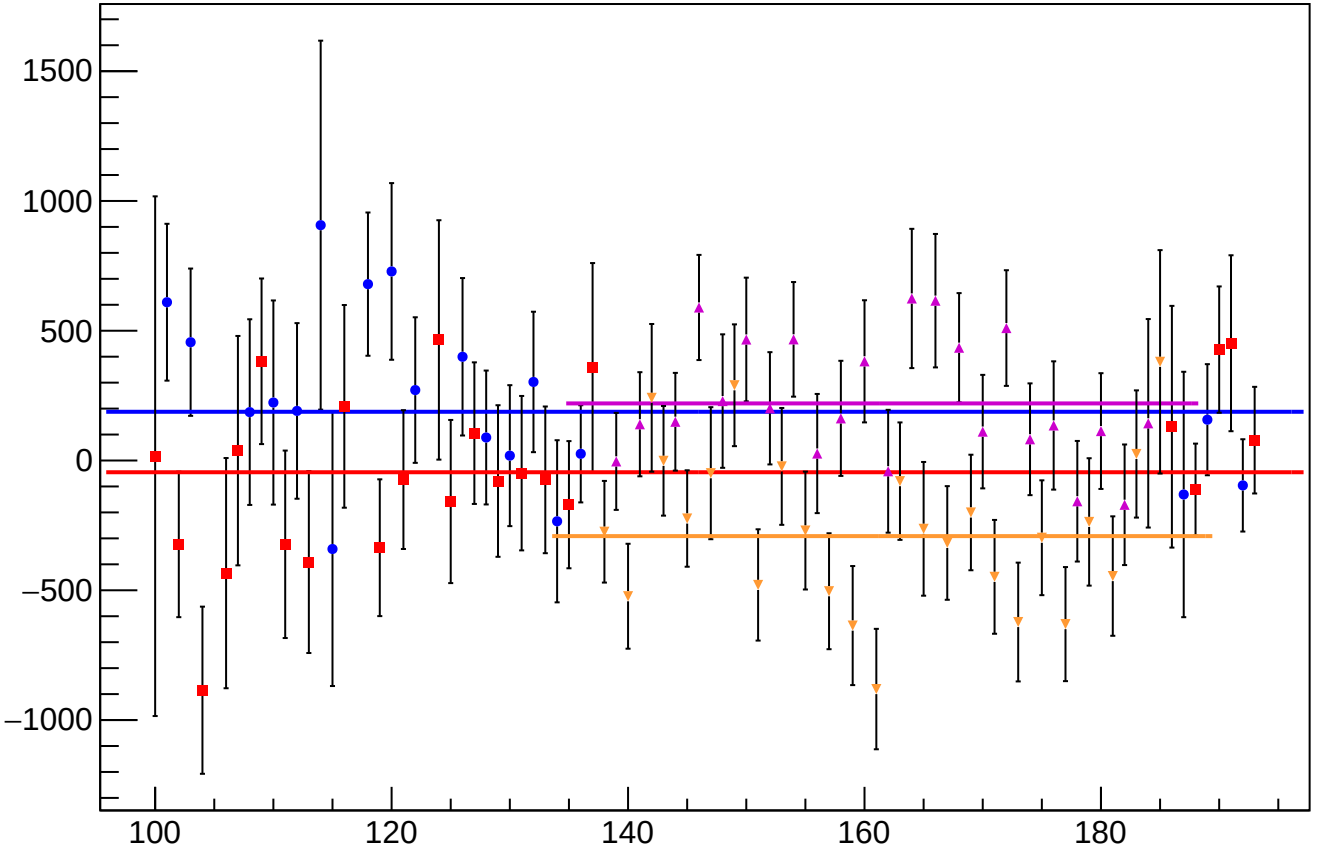
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1638.138+/-0.226 χ^2/NDF: 3688981.0/43

All: 1661.572+/-0.162 χ^2/NDF: 8520984.7/90

- sign 1686.714+/-0.234 χ^2/NDF: 4809680.4/46

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: -45.211+/-61.254 χ^2/NDF: 23.1/23

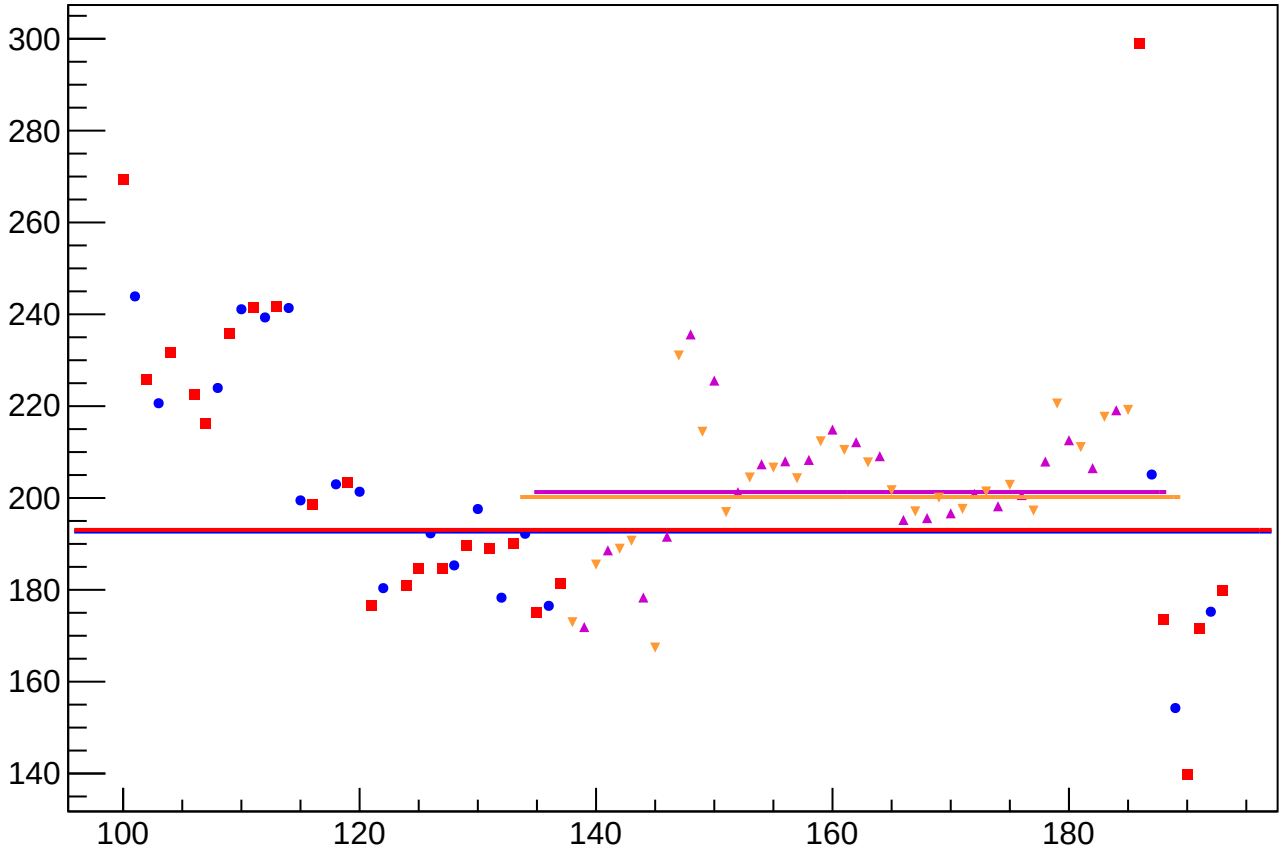
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -133.420+/-37.348 χ^2/NDF: 90.2/43

All: -6.092+/-26.413 χ^2/NDF: 172.1/90

- sign 121.326+/-37.361 χ^2/NDF: 58.6/46

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

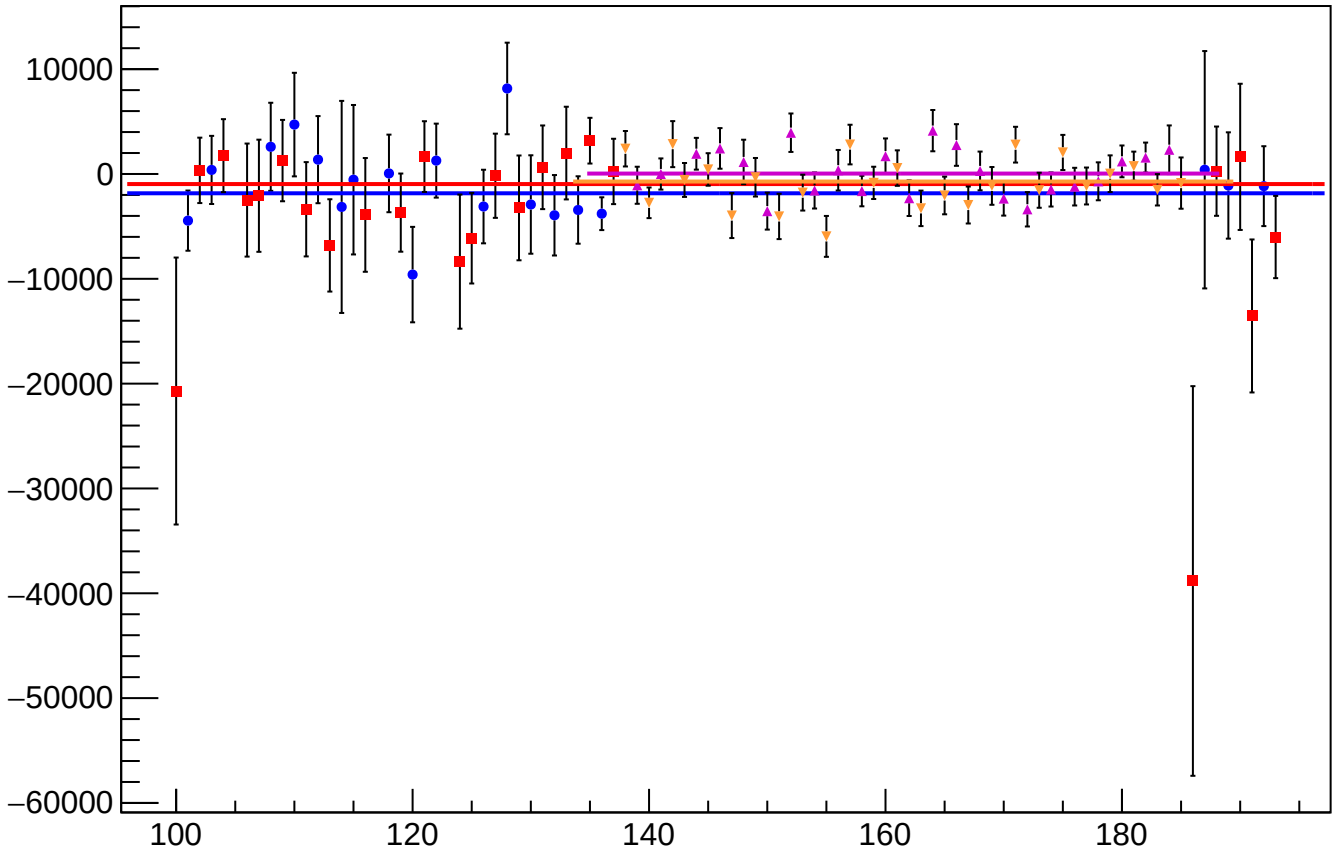
Right Out: 193.049+/-0.043 χ^2/NDF: 460929.9/23

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 197.731+/-0.026 χ^2/NDF: 508464.6/43

All: 197.980+/-0.019 χ^2/NDF: 1173994.7/90

\- sign 198.229+/-0.026 χ^2/NDF: 665352.5/46



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: -961.362+/-847.755 χ^2/NDF: 23.5/23

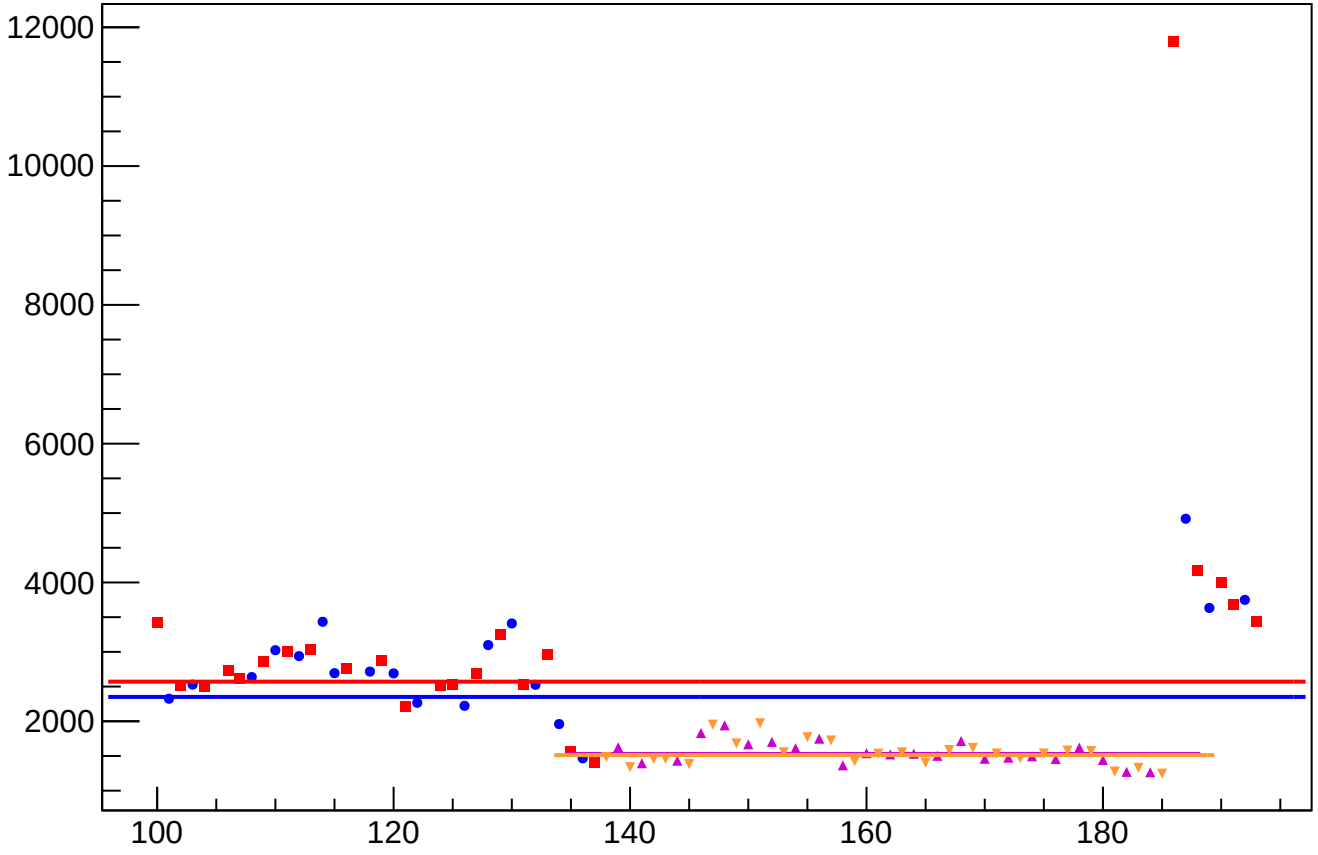
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -888.783+/-319.349 χ^2/NDF: 56.2/43

All: -514.571+/-229.751 χ^2/NDF: 118.2/90

- sign -113.072+/-330.787 χ^2/NDF: 59.1/46

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: 2570.657+/-0.599 χ^2/NDF: 1870939.0/23

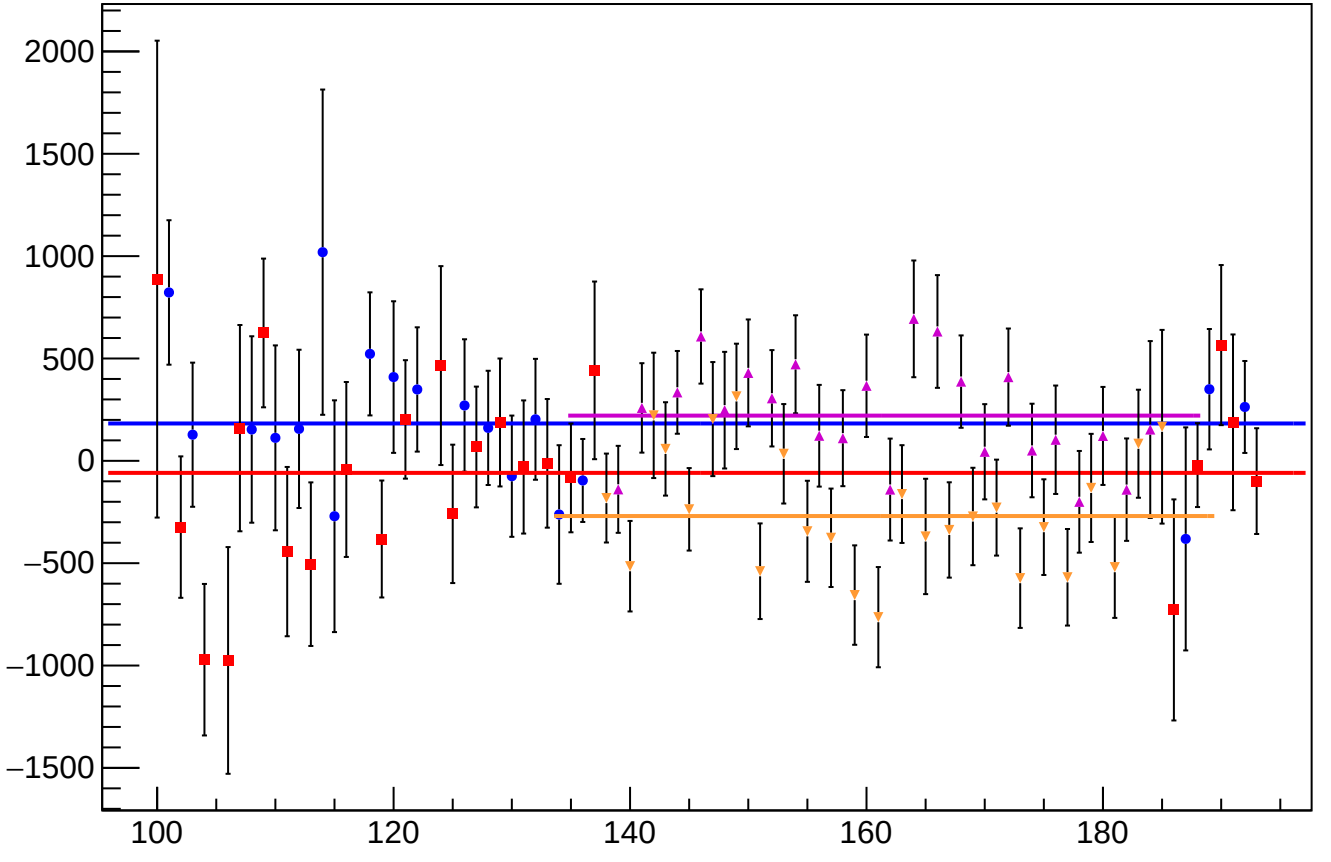
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1638.138+/-0.226 χ^2/NDF: 3688981.0/43

All: 1661.572+/-0.162 χ^2/NDF: 8520984.7/90

- sign 1686.714+/-0.234 χ^2/NDF: 4809680.4/46

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: -58.812+/-70.543 χ^2/NDF: 26.2/23

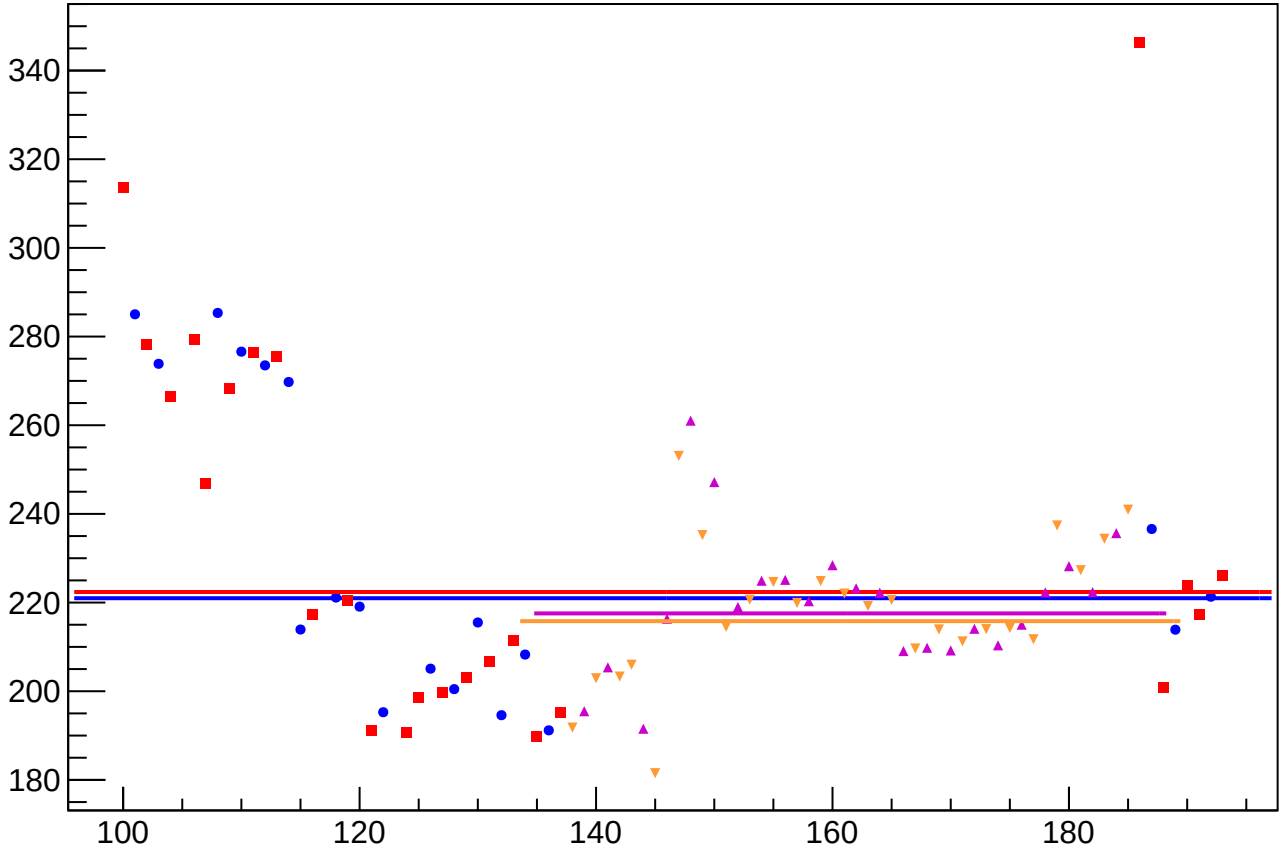
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -132.866+/-41.054 χ^2/NDF: 70.1/43

All: -4.718+/-29.118 χ^2/NDF: 149.6/90

- sign 125.013+/-41.306 χ^2/NDF: 59.9/46

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

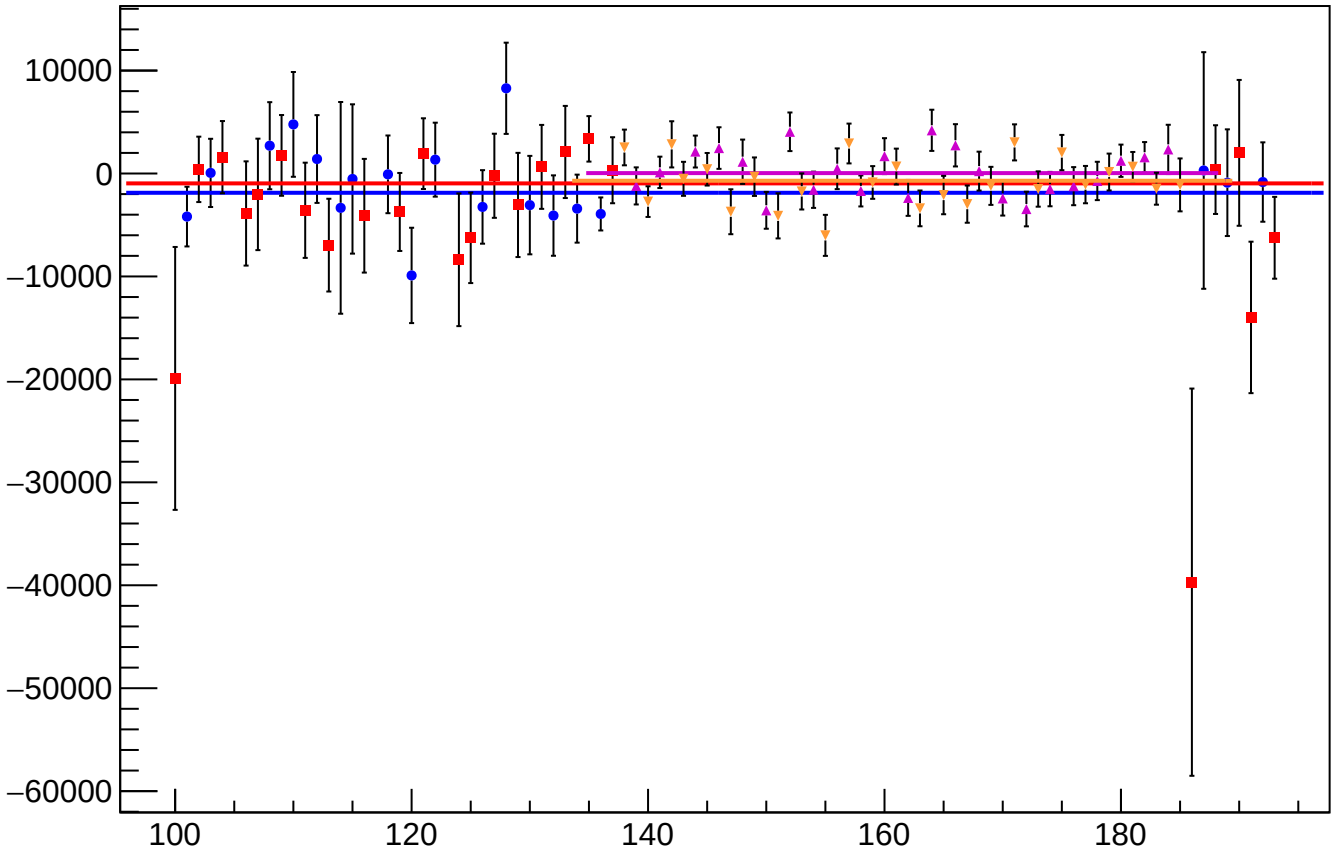
Right Out: 222.382+/-0.050 χ^2/NDF: 455198.3/23

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 217.372+/-0.029 χ^2/NDF: 516926.1/43

All: 218.285+/-0.021 χ^2/NDF: 1141336.1/90

- sign 219.210+/-0.029 χ^2/NDF: 622418.9/46



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: -960.270+/-859.571 χ^2/NDF: 24.4/23

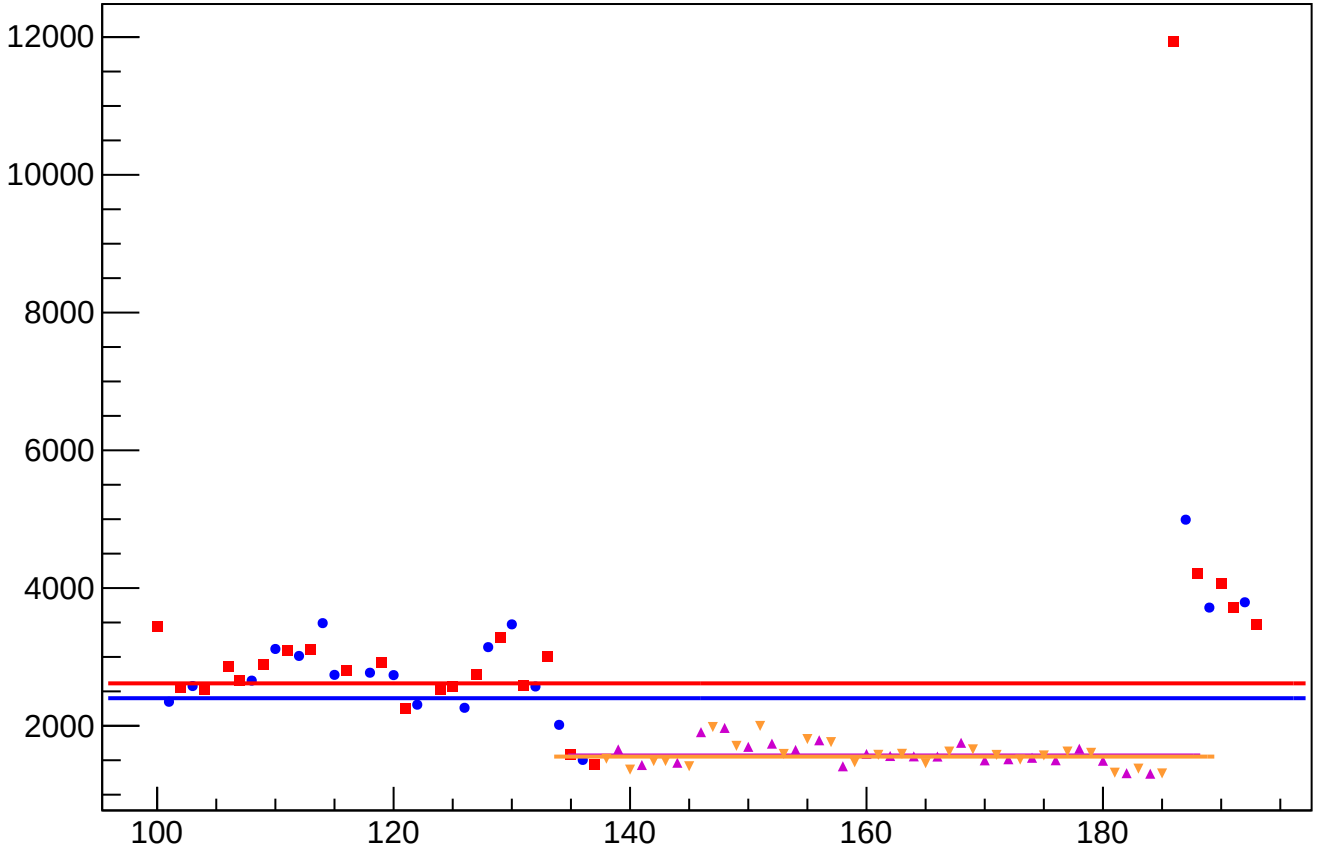
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

\+ sign -881.113+/-327.425 χ^2/NDF: 55.6/43

All: -511.745+/-235.503 χ^2/NDF: 118.1/90

\- sign -115.849+/-338.979 χ^2/NDF: 59.9/46

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: 2616.381+/-0.608 χ^2/NDF: 1859464.0/23

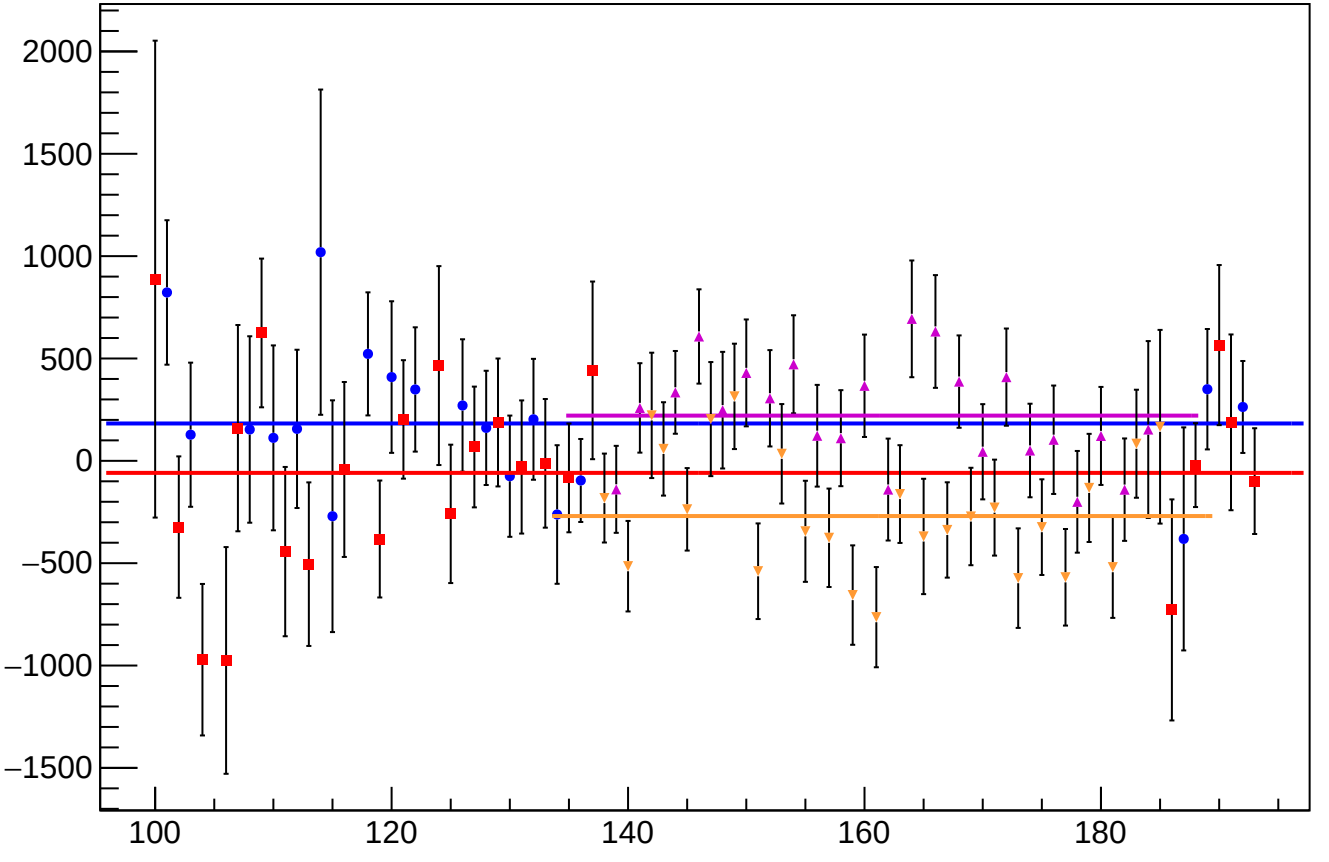
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1681.487+/-0.232 χ^2/NDF: 3593035.5/43

All: 1705.970+/-0.167 χ^2/NDF: 8338961.9/90

- sign 1732.211+/-0.240 χ^2/NDF: 4722759.3/46

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: -58.812+/-70.543 χ^2/NDF: 26.2/23

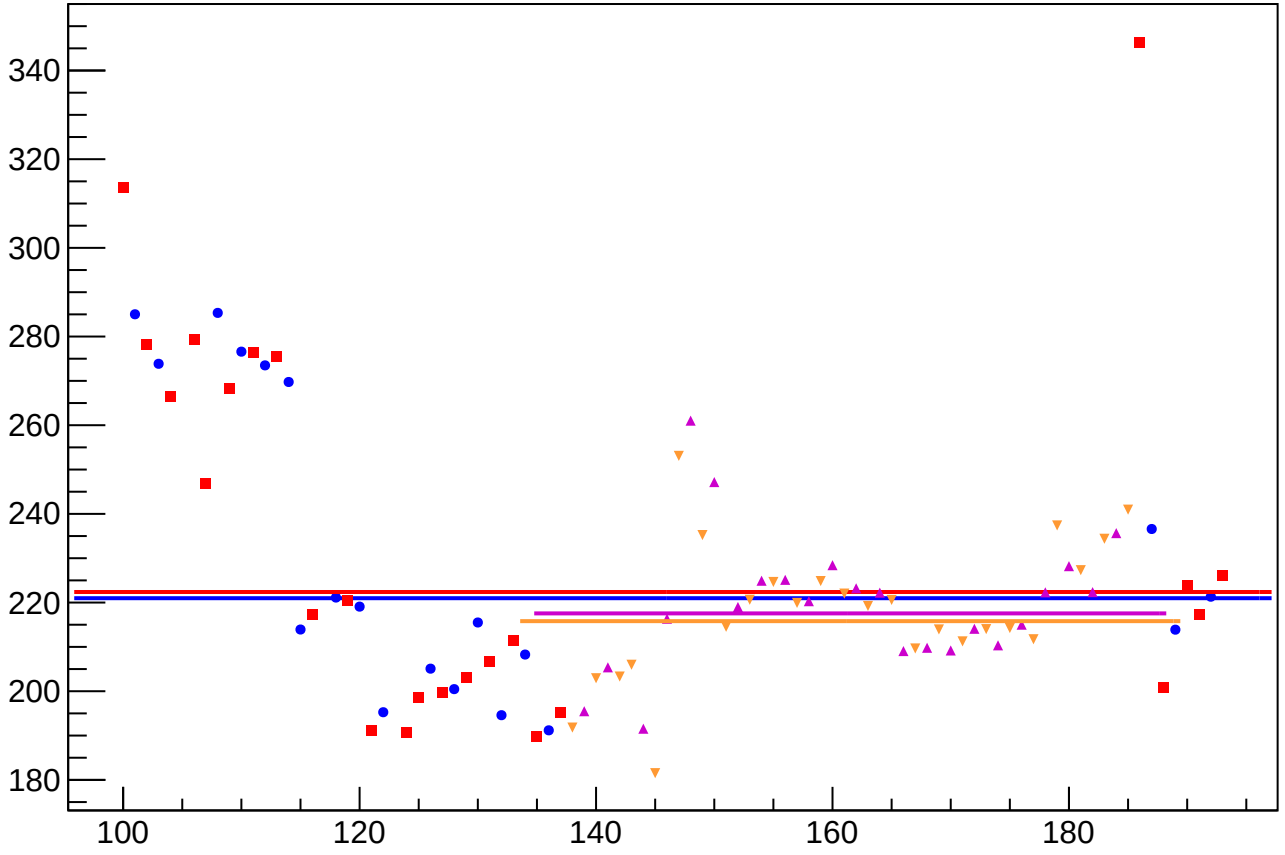
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -132.866+/-41.054 χ^2/NDF: 70.1/43

All: -4.718+/-29.118 χ^2/NDF: 149.6/90

- sign 125.013+/-41.306 χ^2/NDF: 59.9/46

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

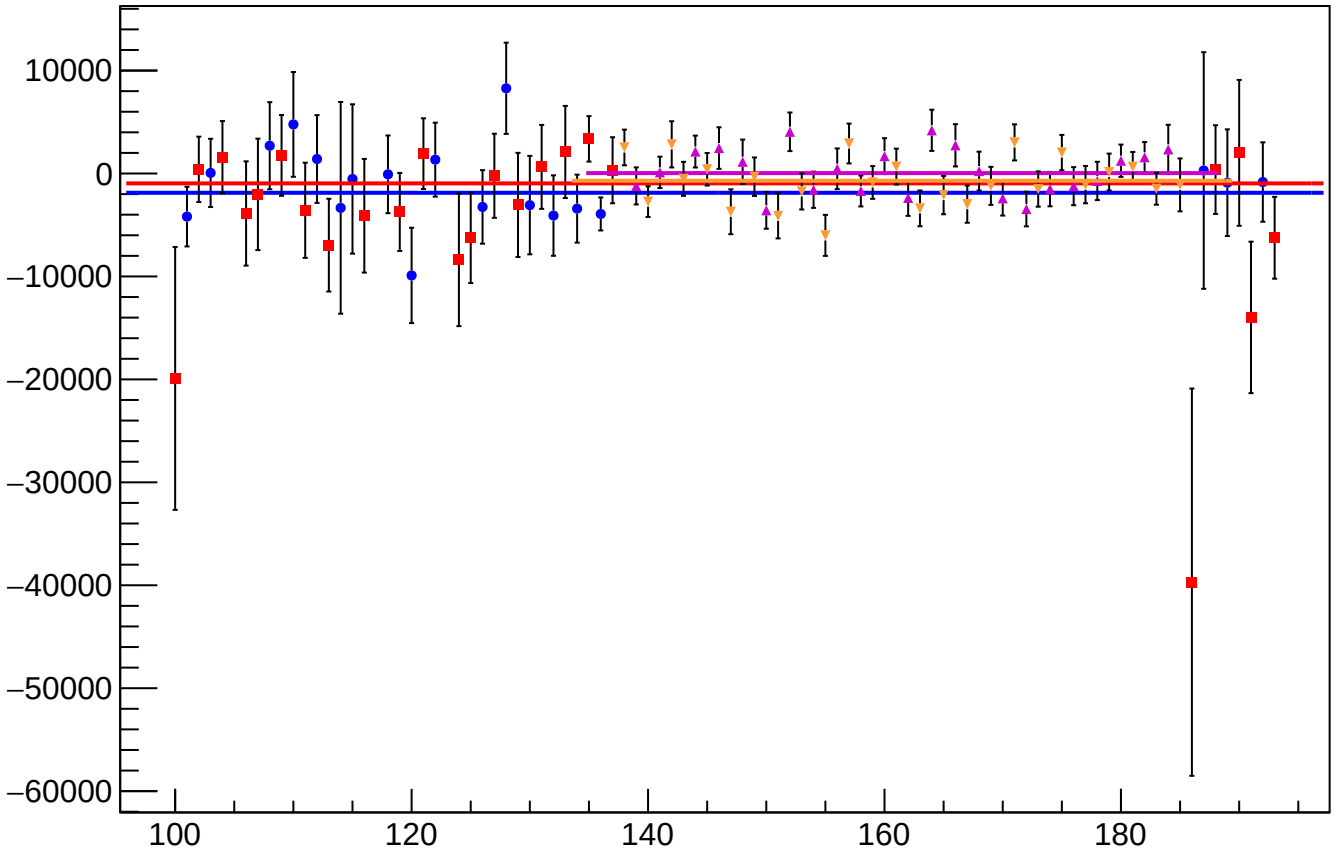
Right Out: 222.381+/-0.050 χ^2/NDF: 455183.0/23

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

\+ sign 217.372+/-0.029 χ^2/NDF: 516922.7/43

All: 218.285+/-0.021 χ^2/NDF: 1141318.5/90

\- sign 219.209+/-0.029 χ^2/NDF: 622404.7/46



Right In: -1872.793+/-841.139 χ^2/NDF: 16.3/18

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -960.270+/-859.569 χ^2/NDF: 24.4/23

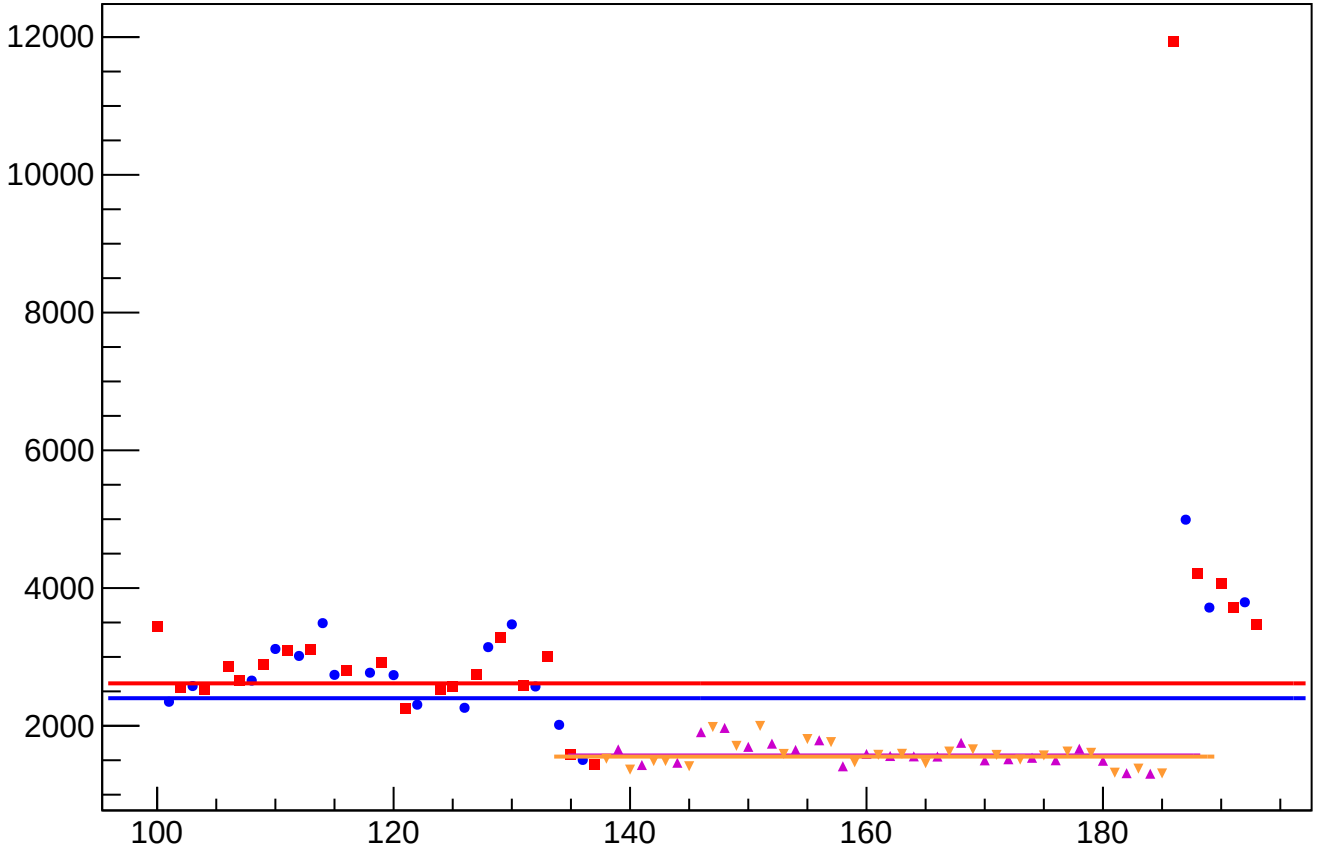
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

\+ sign -881.114+/-327.425 χ^2/NDF: 55.6/43

All: -511.745+/-235.503 χ^2/NDF: 118.1/90

\- sign -115.851+/-338.979 χ^2/NDF: 59.9/46

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: 2616.377+/-0.608 χ^2/NDF: 1859460.5/23

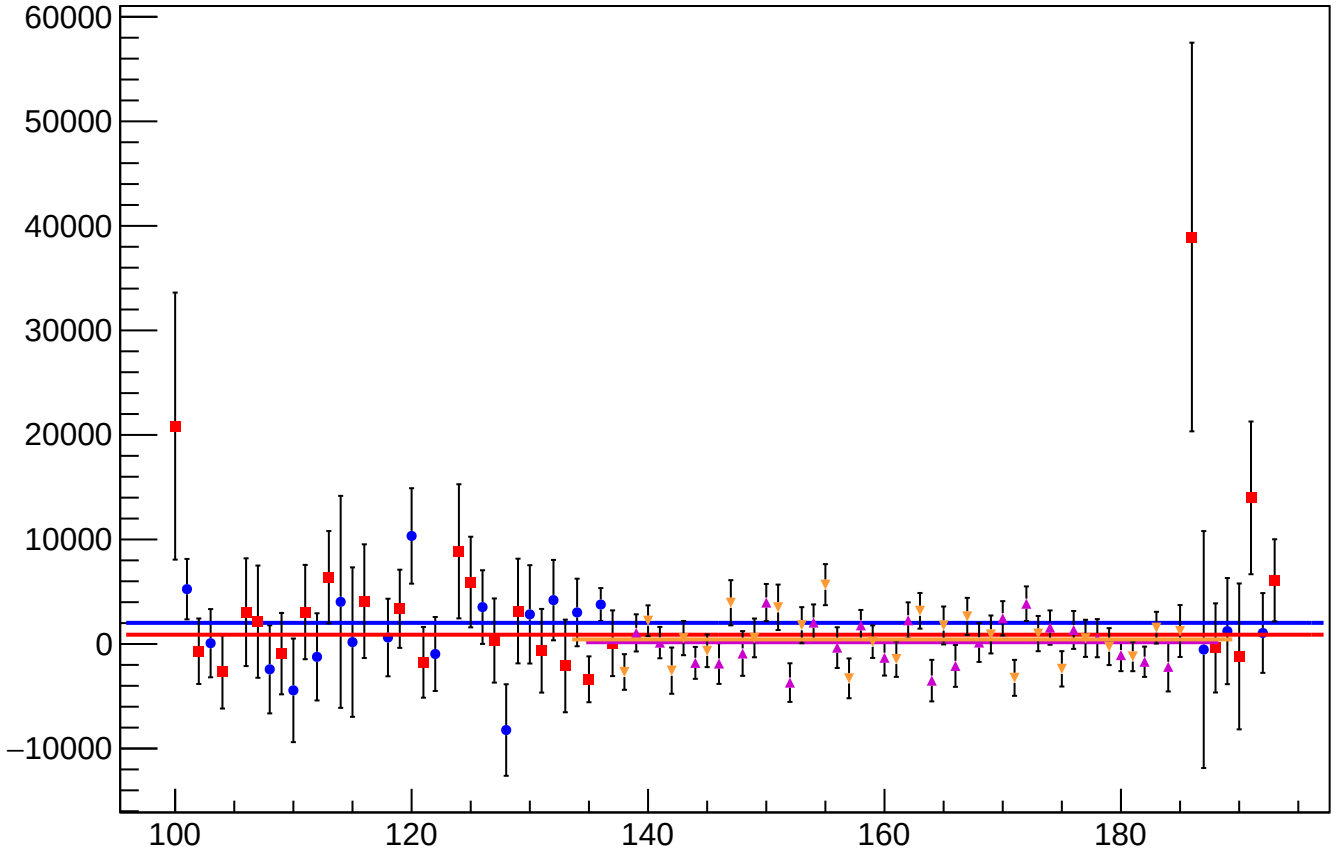
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1681.487+/-0.232 χ^2/NDF: 3593021.3/43

All: 1705.970+/-0.167 χ^2/NDF: 8338935.0/90

- sign 1732.211+/-0.240 χ^2/NDF: 4722747.0/46

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: 888.784+/-849.852 χ^2/NDF: 24.3/23

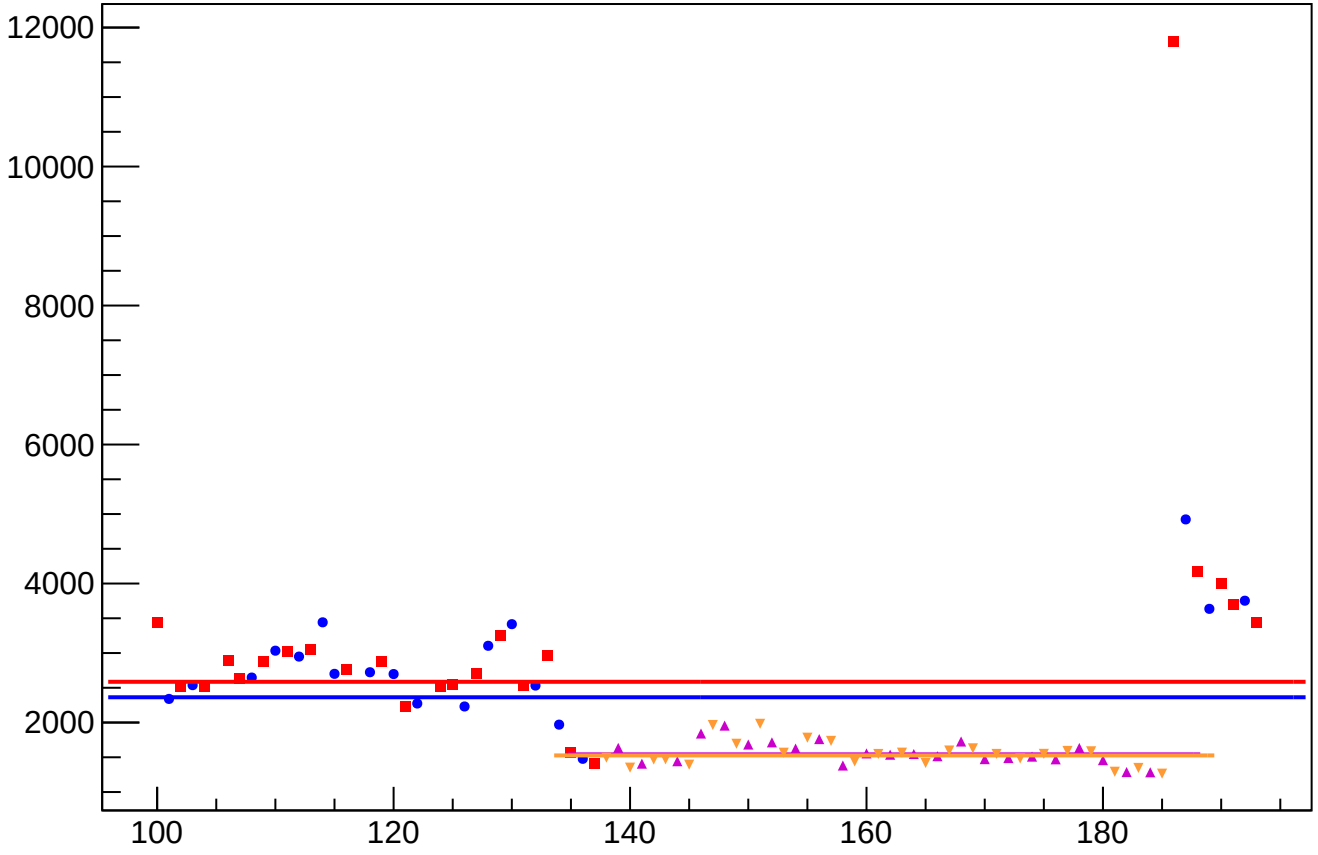
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 677.069+/-322.079 χ^2/NDF: 58.7/43

All: 485.687+/-231.668 χ^2/NDF: 117.3/90

- sign 280.525+/-333.473 χ^2/NDF: 57.9/46

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: 2586.153+/-0.601 χ^2/NDF: 1857202.0/23

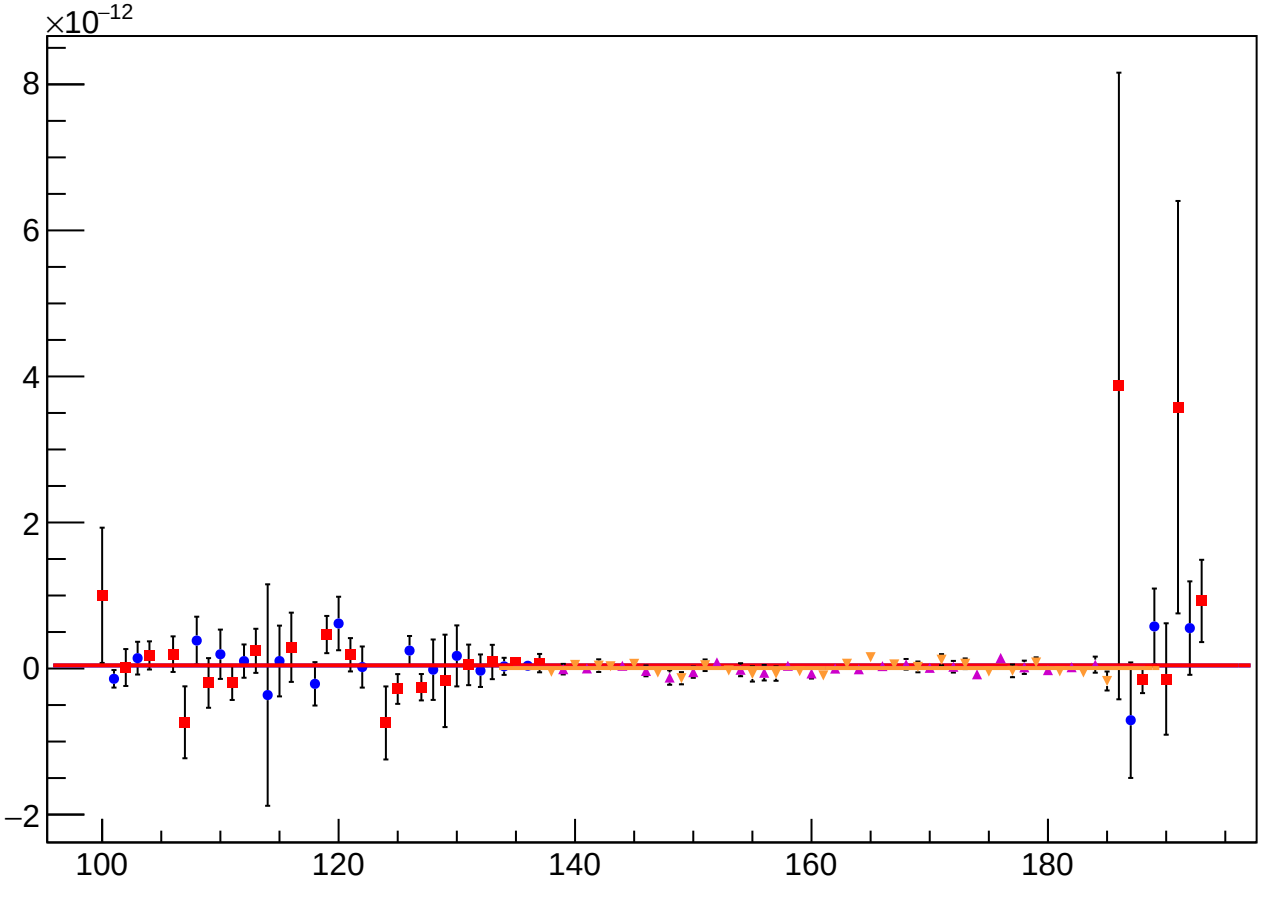
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1653.199+/-0.228 χ^2/NDF: 3628438.3/43

All: 1677.229+/-0.164 χ^2/NDF: 8423932.1/90

- sign 1702.990+/-0.236 χ^2/NDF: 4772425.8/46

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: 24.1/23

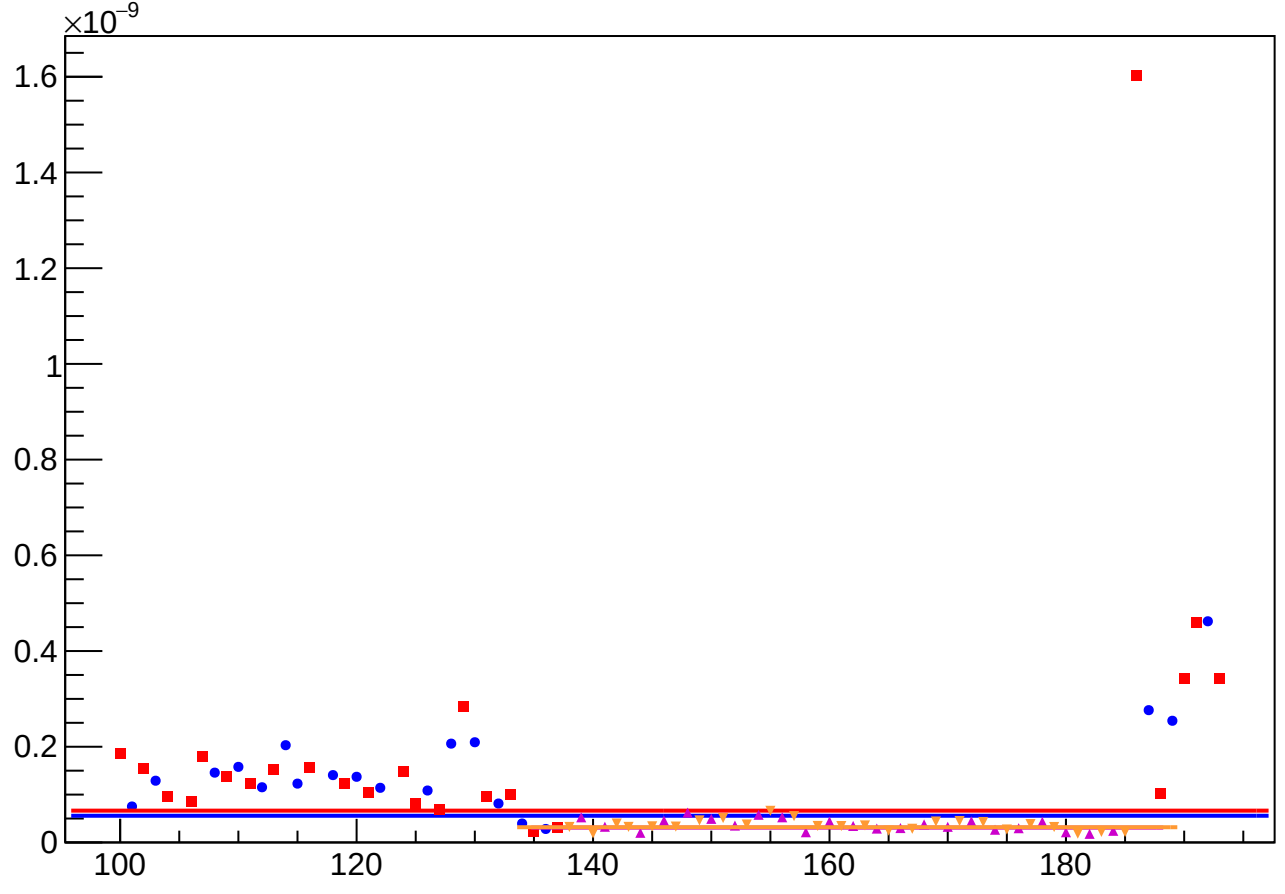
Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.7/43

All: 0.000+/-0.000 χ^2/NDF: 84.4/90

- sign 0.000+/-0.000 χ^2/NDF: 41.8/46

asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3842282.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3549363.9/23

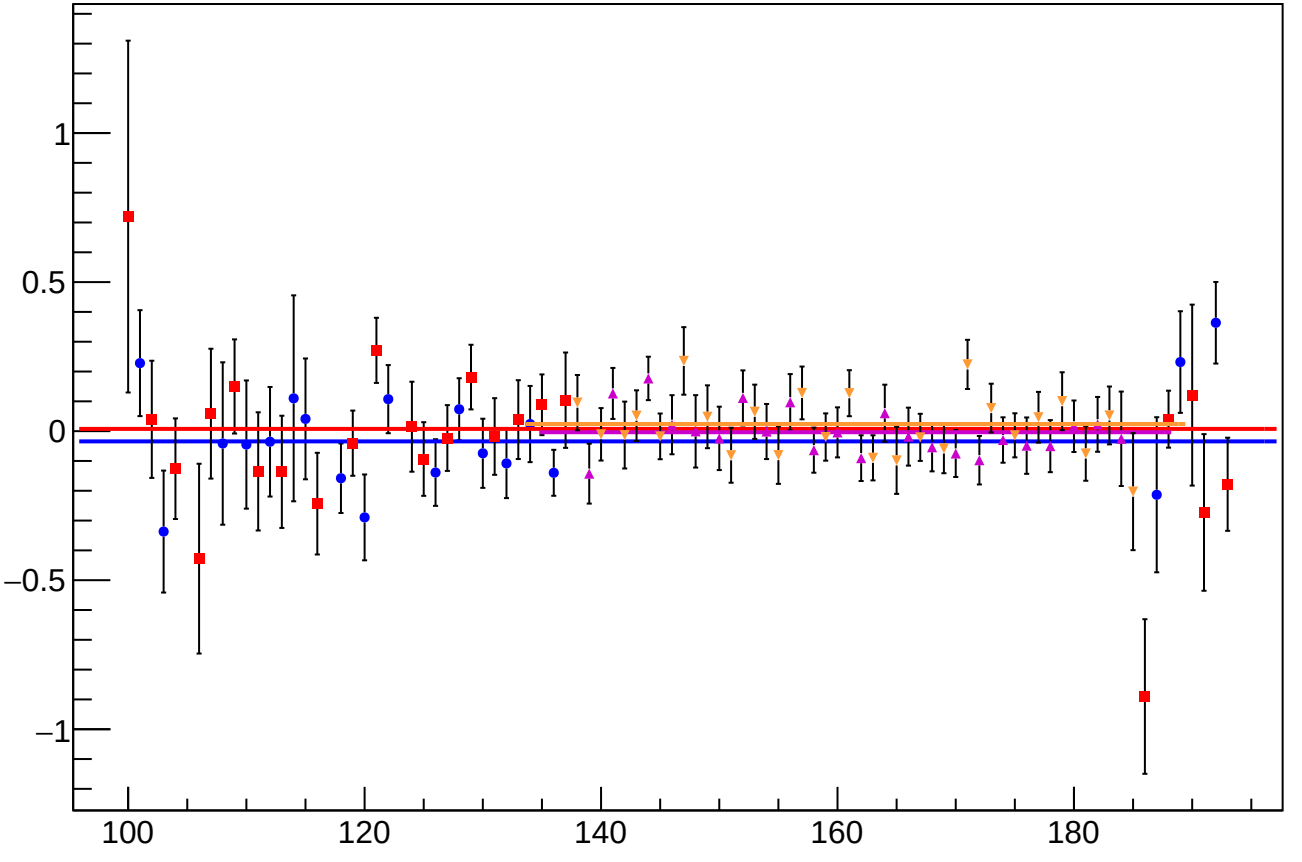
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5863798.1/43

All: 0.000+/-0.000 χ^2/NDF: 12313209.6/90

- sign 0.000+/-0.000 χ^2/NDF: 6448662.5/46

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: 0.008+/-0.030 χ^2/NDF: 33.3/23

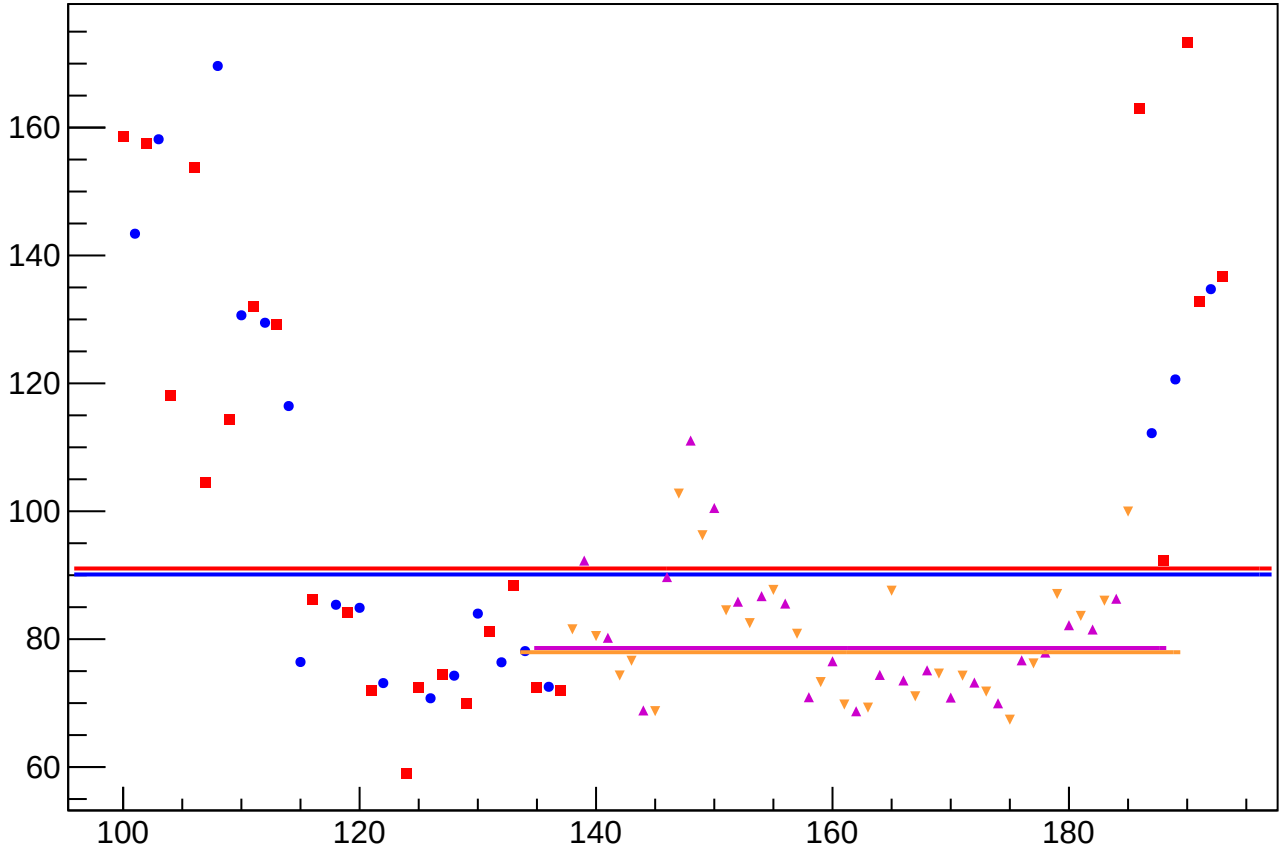
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.016 χ^2/NDF: 54.5/43

All: 0.005+/-0.011 χ^2/NDF: 107.0/90

- sign -0.001+/-0.016 χ^2/NDF: 52.3/46

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: 91.050+/-0.021 χ^2/NDF: 1559635.9/23

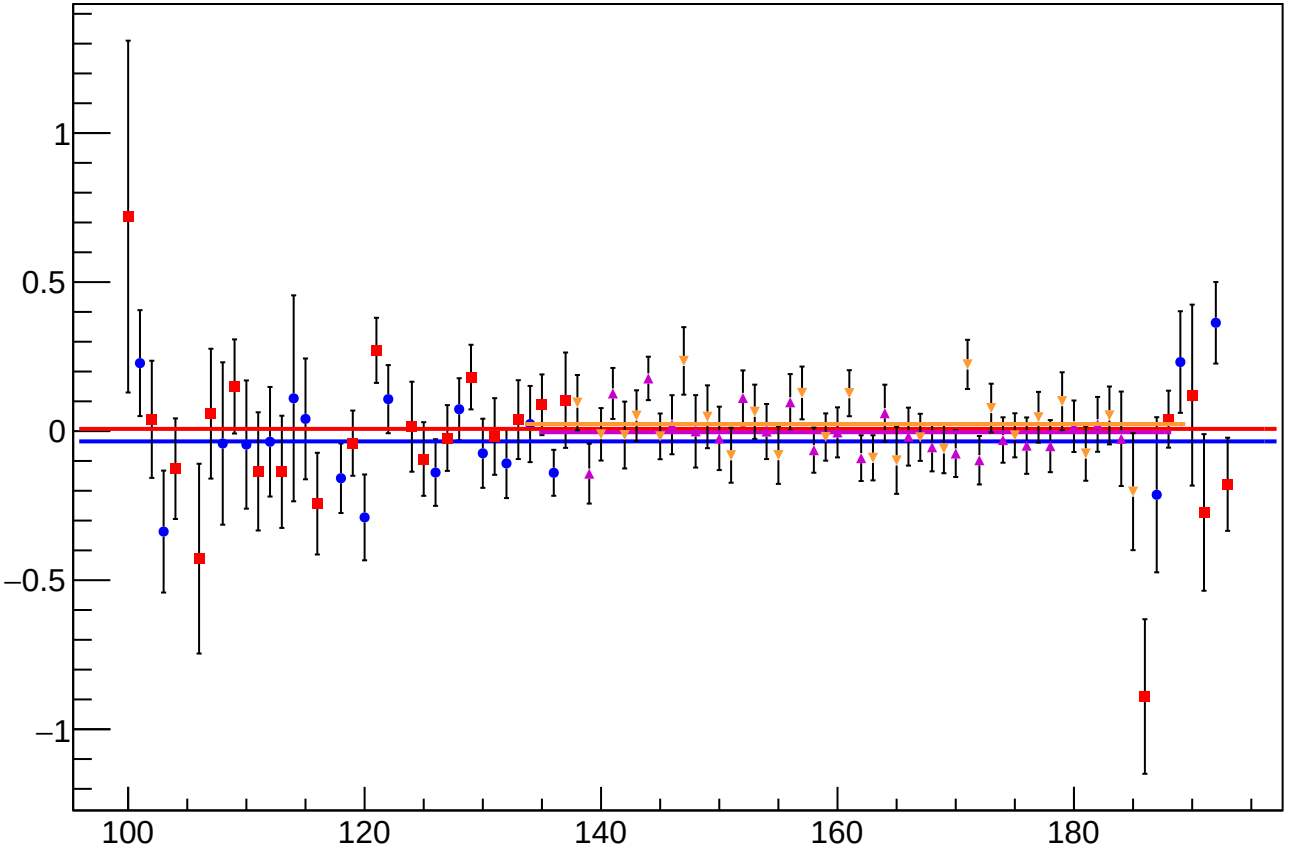
Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 80.905+/-0.011 χ^2/NDF: 2021864.3/43

All: 81.473+/-0.008 χ^2/NDF: 4333188.4/90

- sign 82.058+/-0.011 χ^2/NDF: 2305905.8/46

asym_sam_26_dd_dit_vs_eigen_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

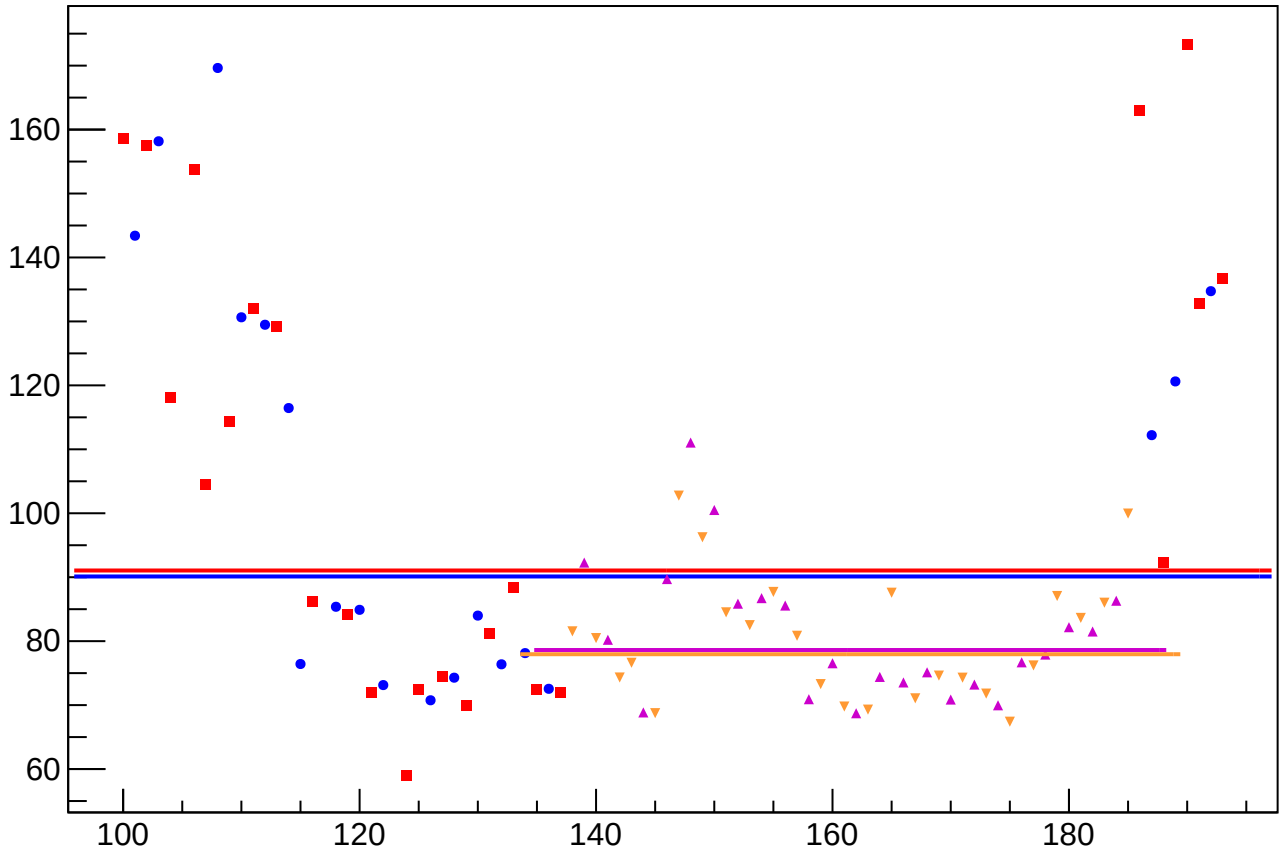
Right Out: 0.008+/-0.030 χ^2/NDF: 33.3/23

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.016 χ^2/NDF: 54.5/43

All: 0.005+/-0.011 χ^2/NDF: 107.0/90

- sign -0.001+/-0.016 χ^2/NDF: 52.3/46



Right In: 90.115+/-0.022 χ^2/NDF: 1357346.0/18

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

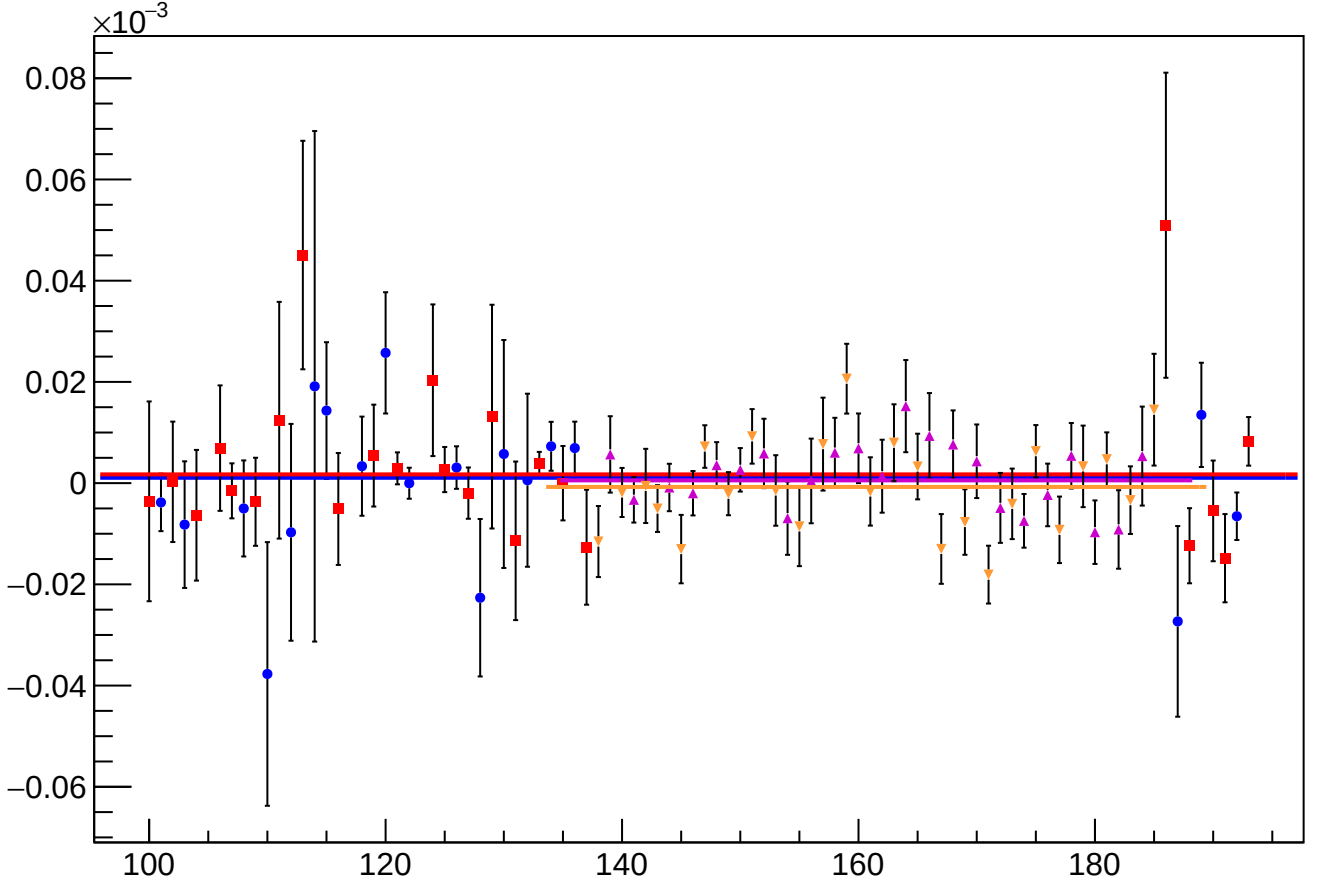
Right Out: 91.050+/-0.021 χ^2/NDF: 1559635.9/23

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 80.905+/-0.011 χ^2/NDF: 2021864.3/43

All: 81.473+/-0.008 χ^2/NDF: 4333188.4/90

- sign 82.058+/-0.011 χ^2/NDF: 2305905.8/46



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

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

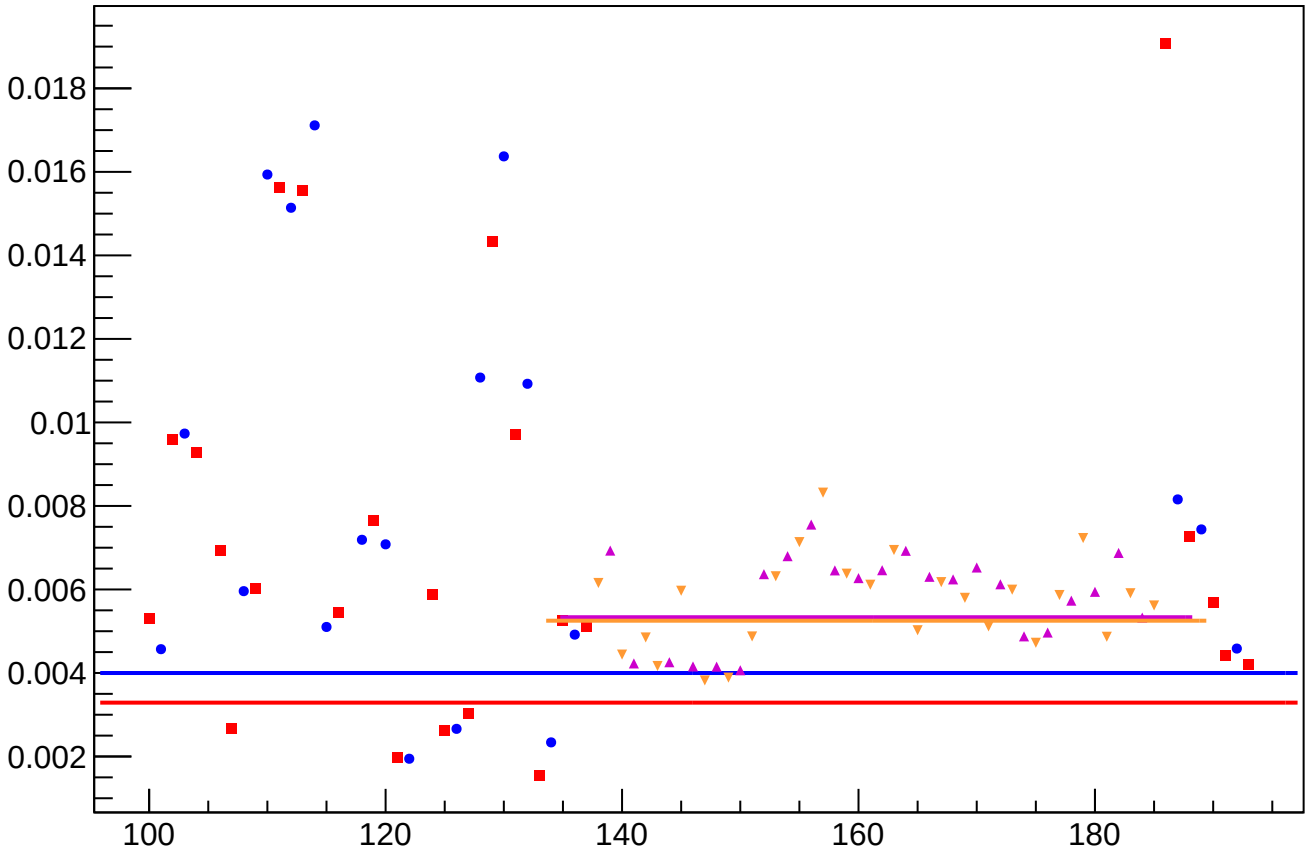
Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/23

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: 113.7/90

- sign 0.000+/-0.000 χ^2/NDF: 42.9/46



Right In: 0.004+/-0.000 χ^2/NDF: 5076225.4/18

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

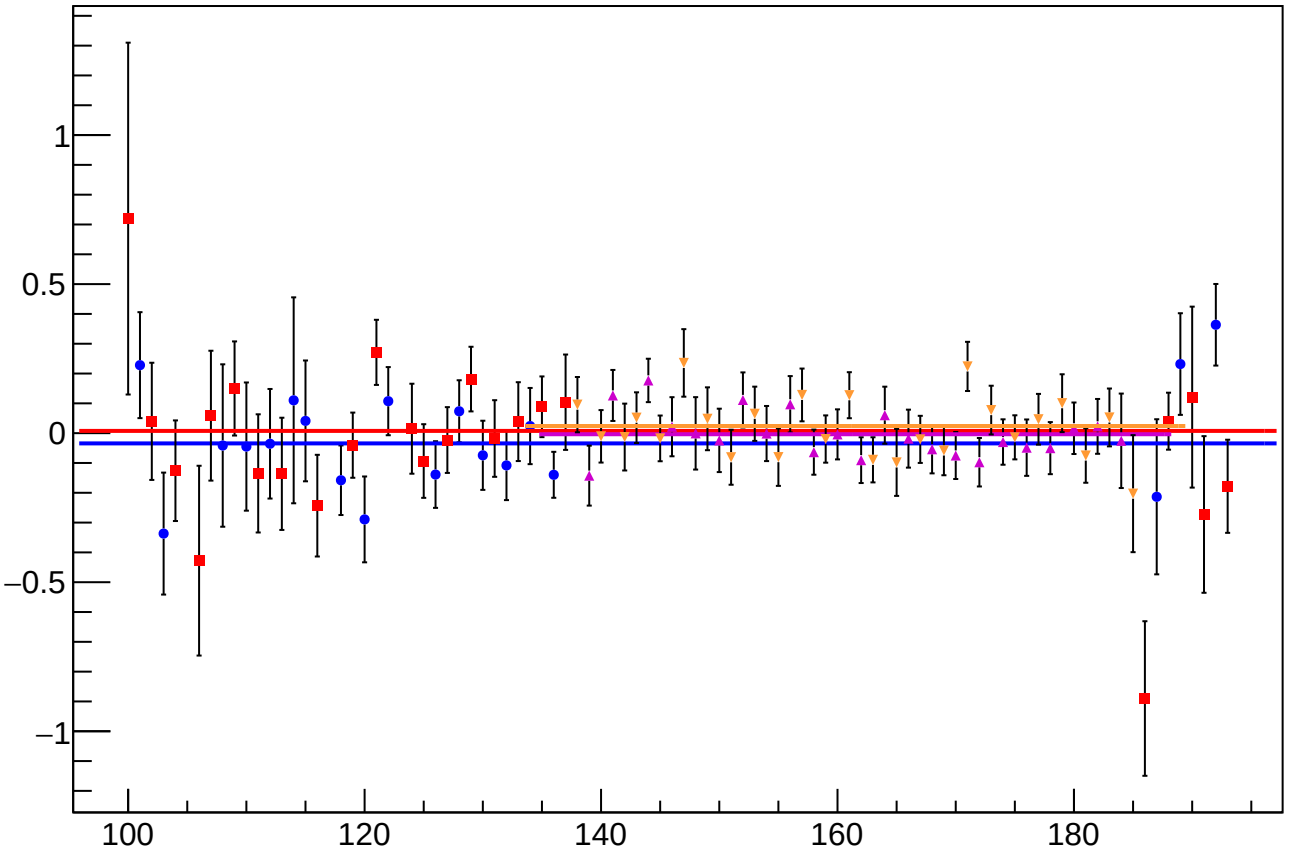
Right Out: 0.003+/-0.000 χ^2/NDF: 7002318.1/23

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: 18629546.2/90

- sign 0.004+/-0.000 χ^2/NDF: 11027935.1/46



Right In: -0.034+/-0.032 χ^2/NDF: 26.4/18

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

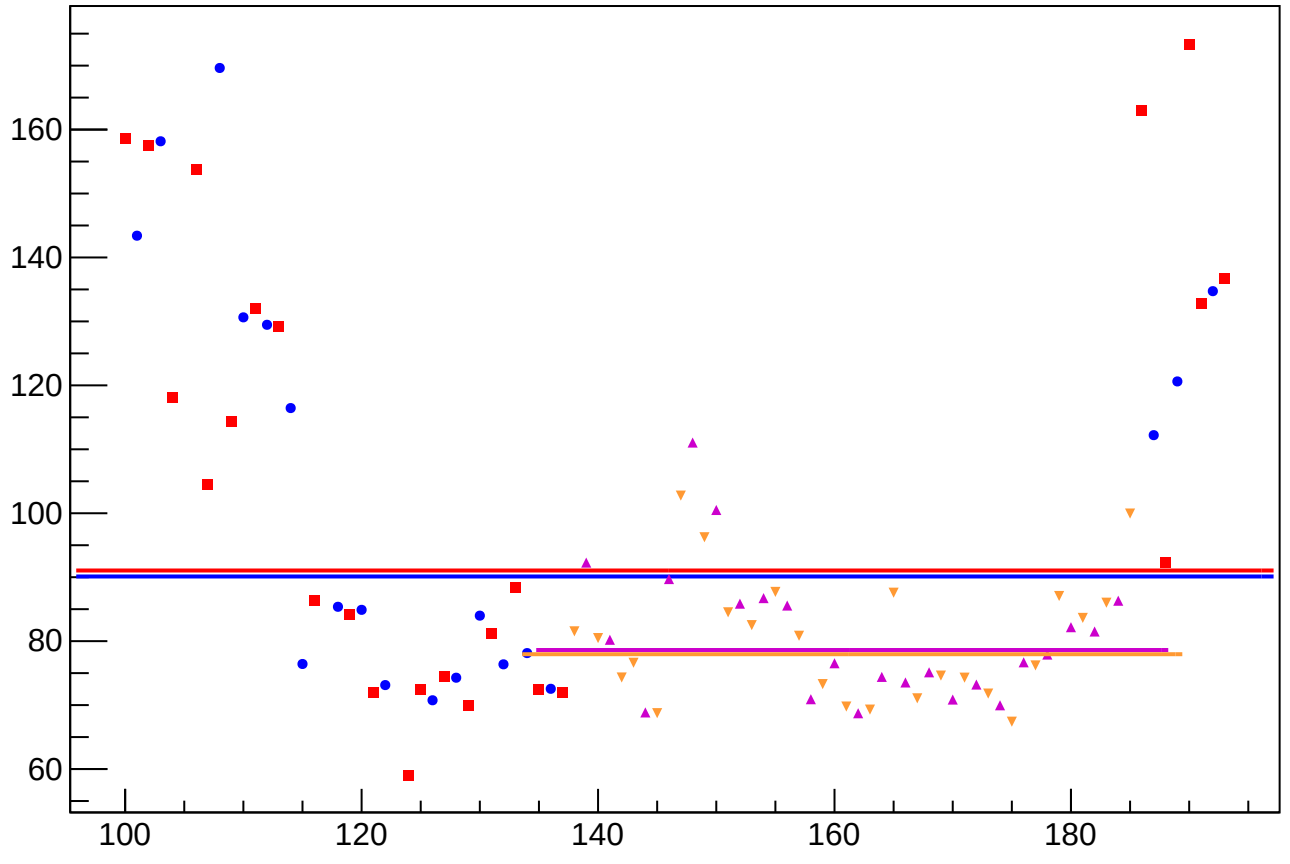
Right Out: 0.008+/-0.030 χ^2/NDF: 33.3/23

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.016 χ^2/NDF: 54.5/43

All: 0.005+/-0.011 χ^2/NDF: 107.0/90

- sign -0.001+/-0.016 χ^2/NDF: 52.3/46



Right In: 90.112+/-0.022 χ^2/NDF: 1357363.0/18

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

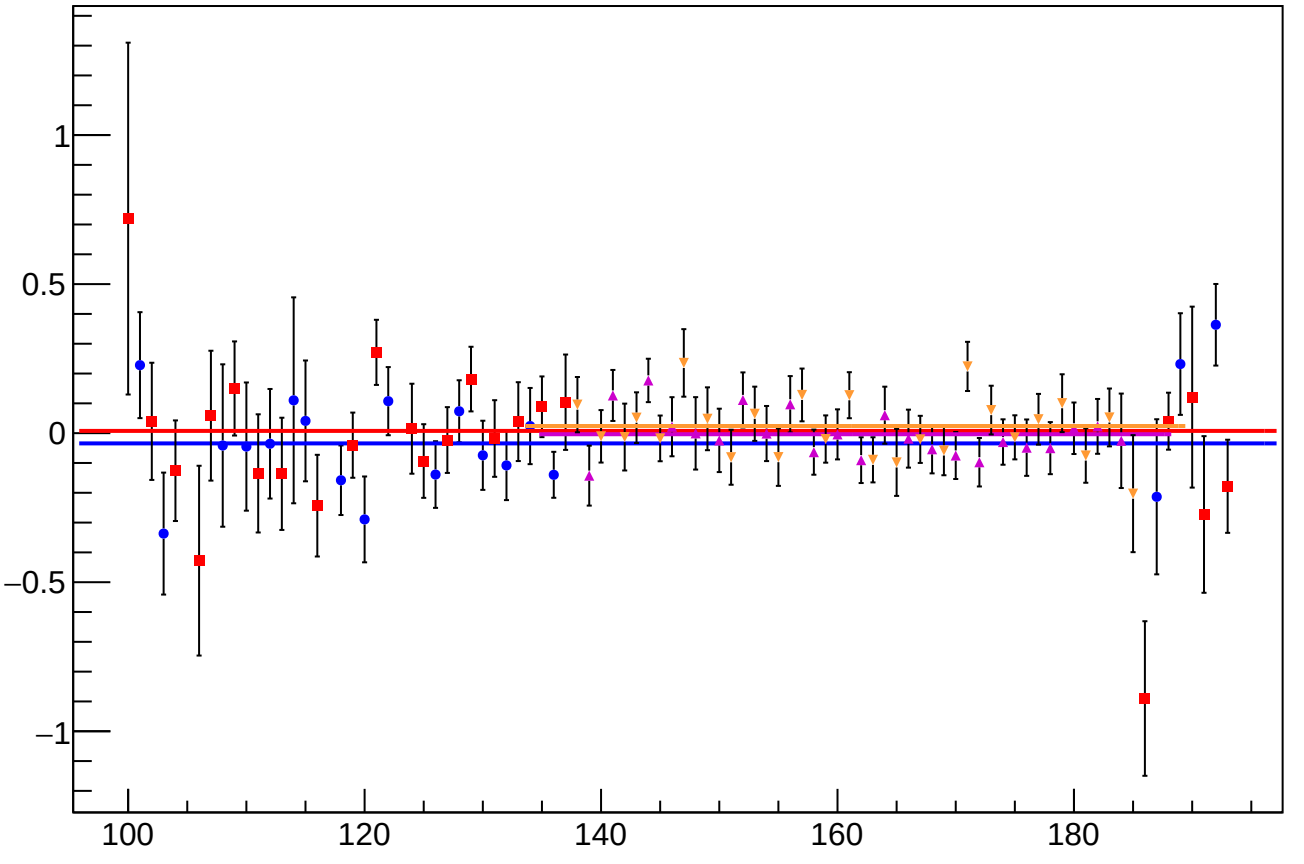
Right Out: 91.048+/-0.021 χ^2/NDF: 1559633.2/23

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 80.904+/-0.011 χ^2/NDF: 2021854.9/43

All: 81.472+/-0.008 χ^2/NDF: 4333165.6/90

- sign 82.057+/-0.011 χ^2/NDF: 2305894.1/46



Right In: -0.034+/-0.032 χ^2/NDF: 26.4/18

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

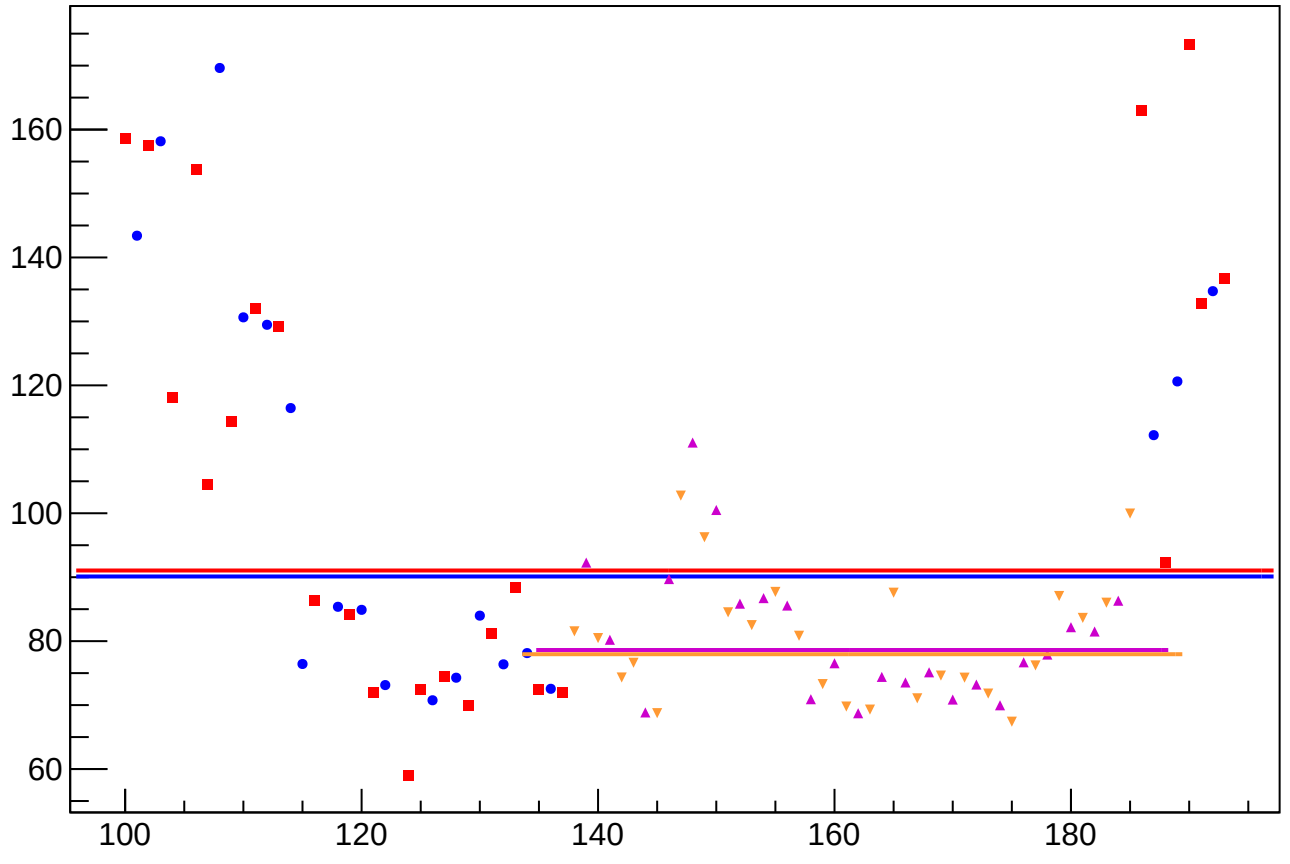
Right Out: 0.008+/-0.030 χ^2/NDF: 33.3/23

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.016 χ^2/NDF: 54.5/43

All: 0.005+/-0.011 χ^2/NDF: 107.0/90

- sign -0.001+/-0.016 χ^2/NDF: 52.3/46



Right In: 90.112+/-0.022 χ^2/NDF: 1357363.0/18

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

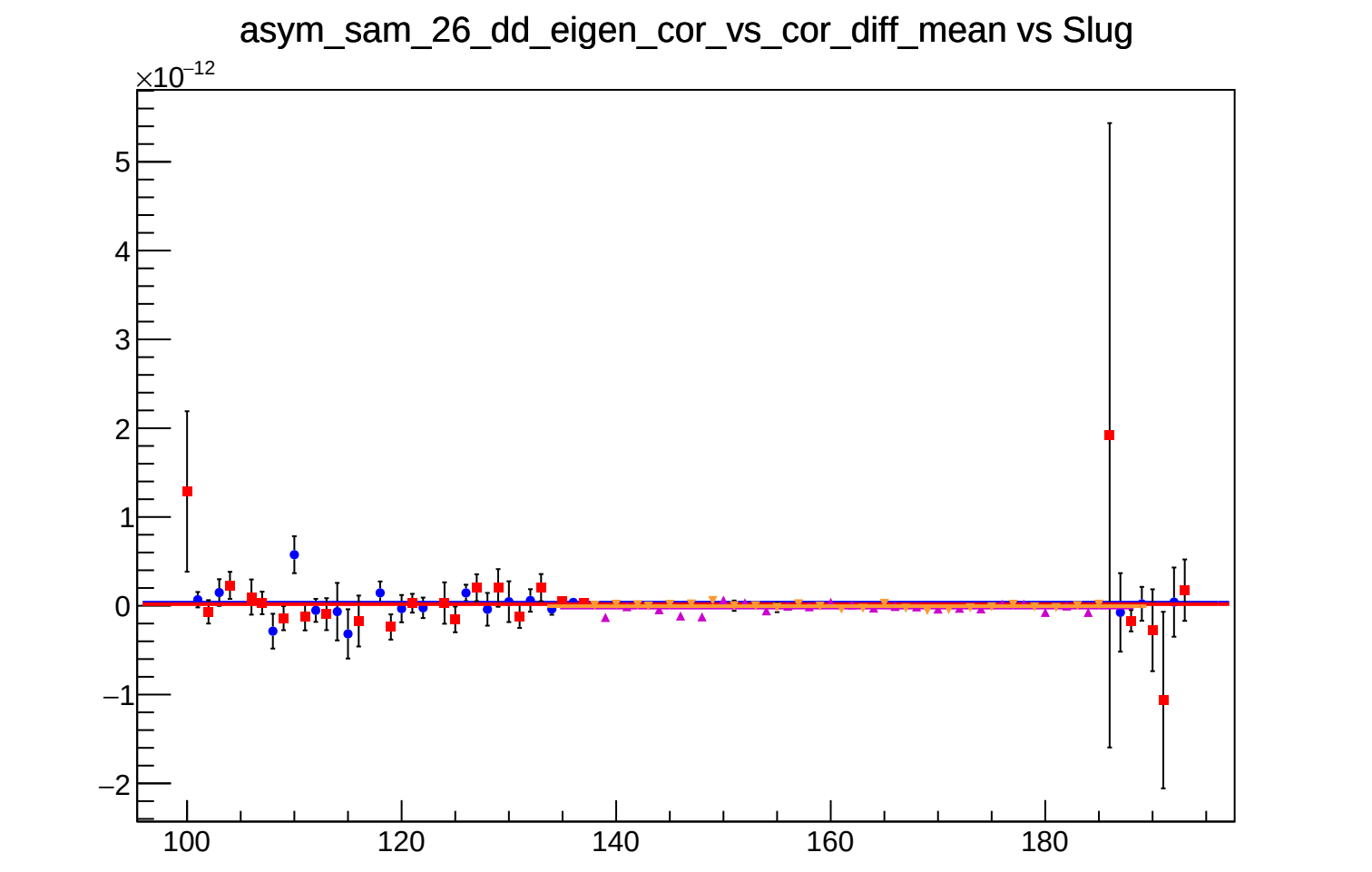
Right Out: 91.048+/-0.021 χ^2/NDF: 1559633.2/23

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 80.904+/-0.011 χ^2/NDF: 2021854.9/43

All: 81.472+/-0.008 χ^2/NDF: 4333165.6/90

- sign 82.057+/-0.011 χ^2/NDF: 2305894.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/24

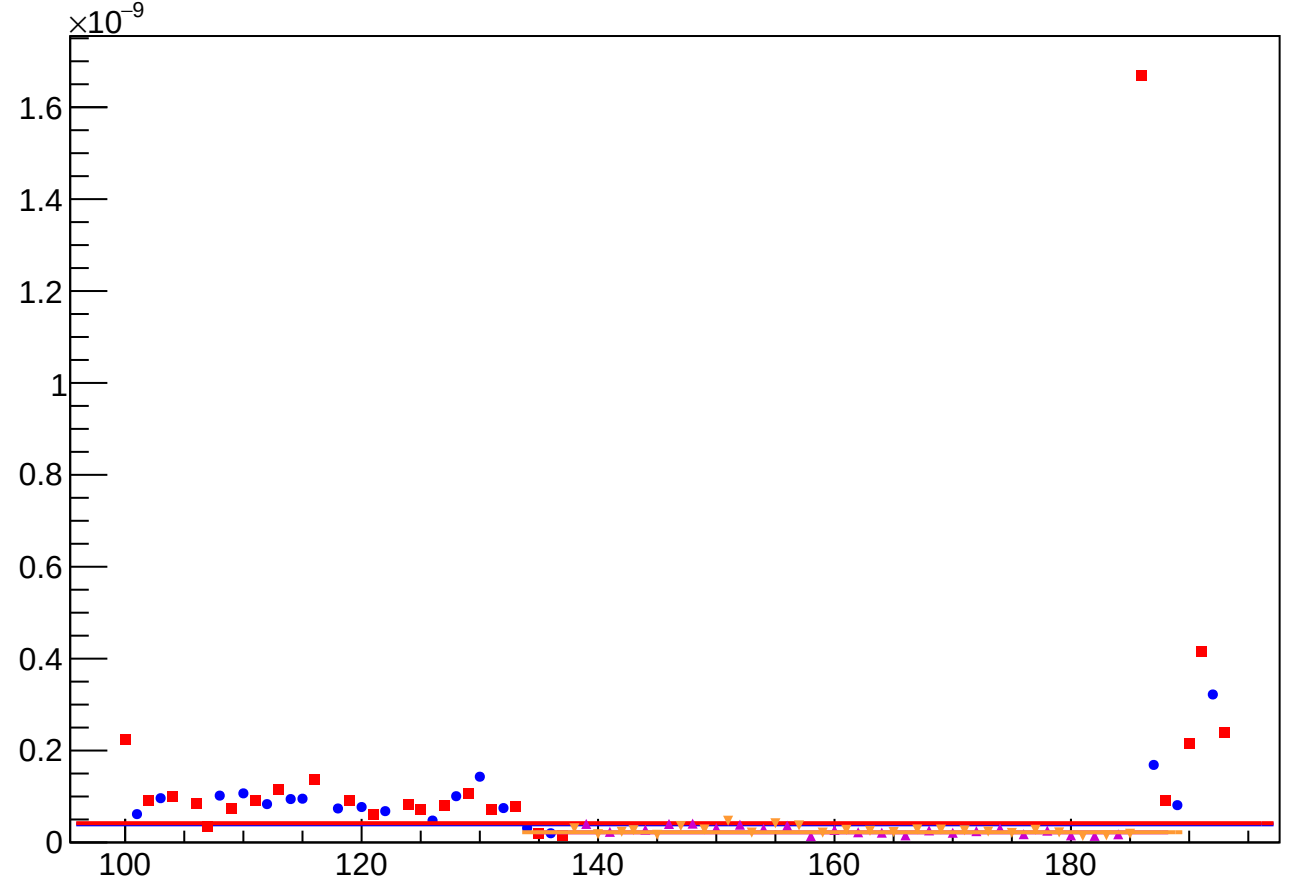
Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/23

Left In: -0.000+/-0.000 χ^2/NDF:40.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.9/43

All: -0.000+/-0.000 χ^2/NDF: 102.3/90

- sign -0.000+/-0.000 χ^2/NDF: 65.5/46



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: 6154309.7/23

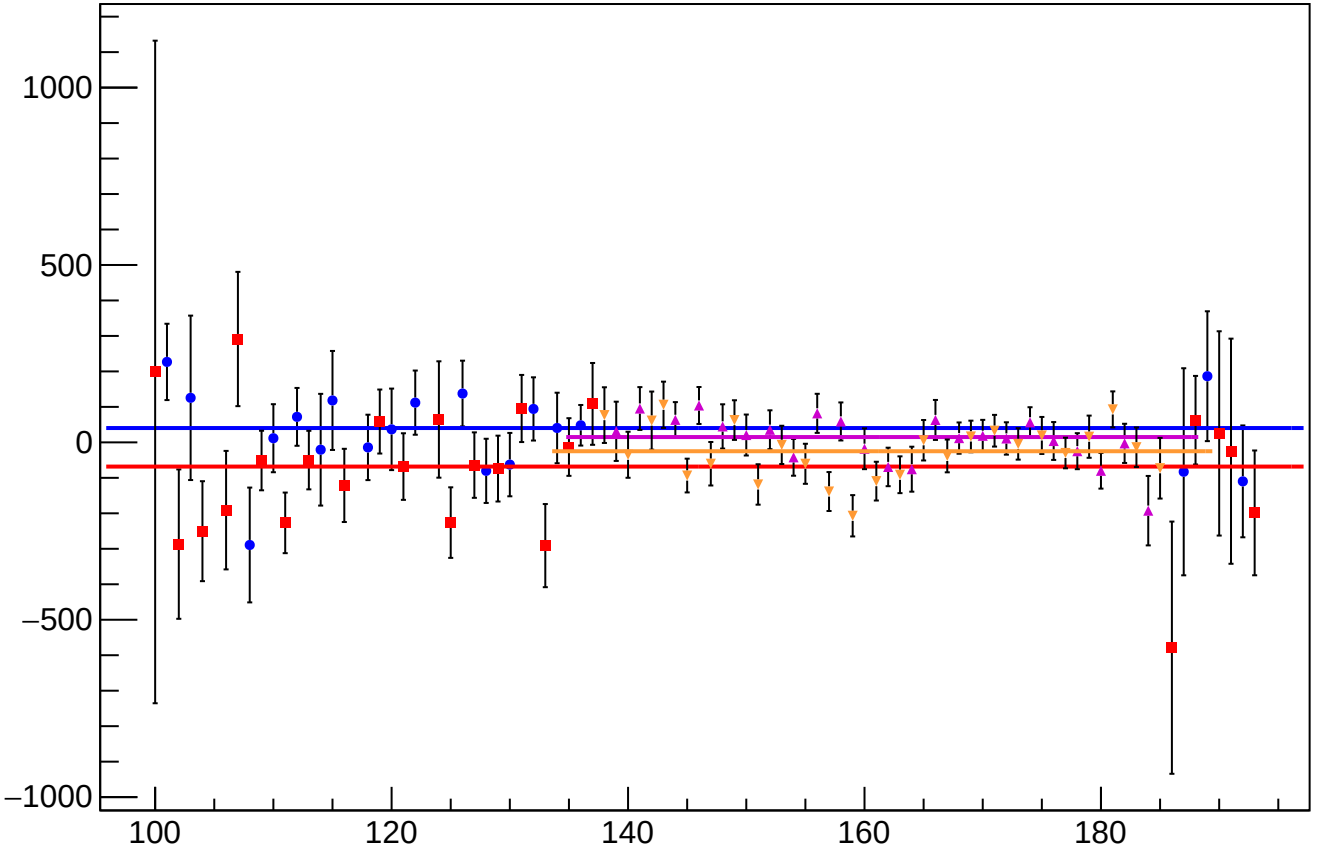
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8382533.1/43

All: 0.000+/-0.000 χ^2/NDF: 18885860.2/90

- sign 0.000+/-0.000 χ^2/NDF: 10503190.0/46

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: -68.245+/-23.547 χ^2/NDF: 29.2/23

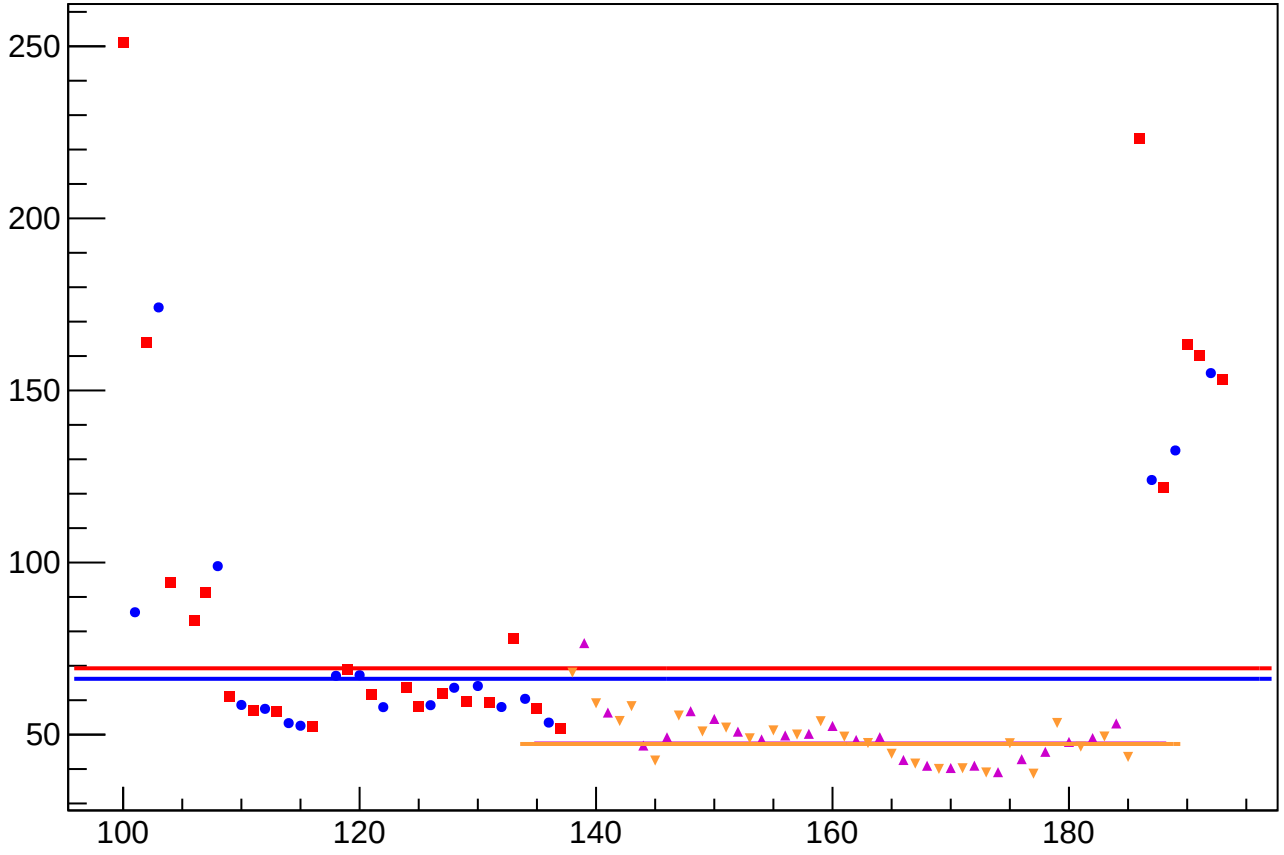
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.553+/-9.890 χ^2/NDF: 64.7/43

All: -7.135+/-7.076 χ^2/NDF: 129.7/90

- sign -0.403+/-10.127 χ^2/NDF: 64.1/46

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

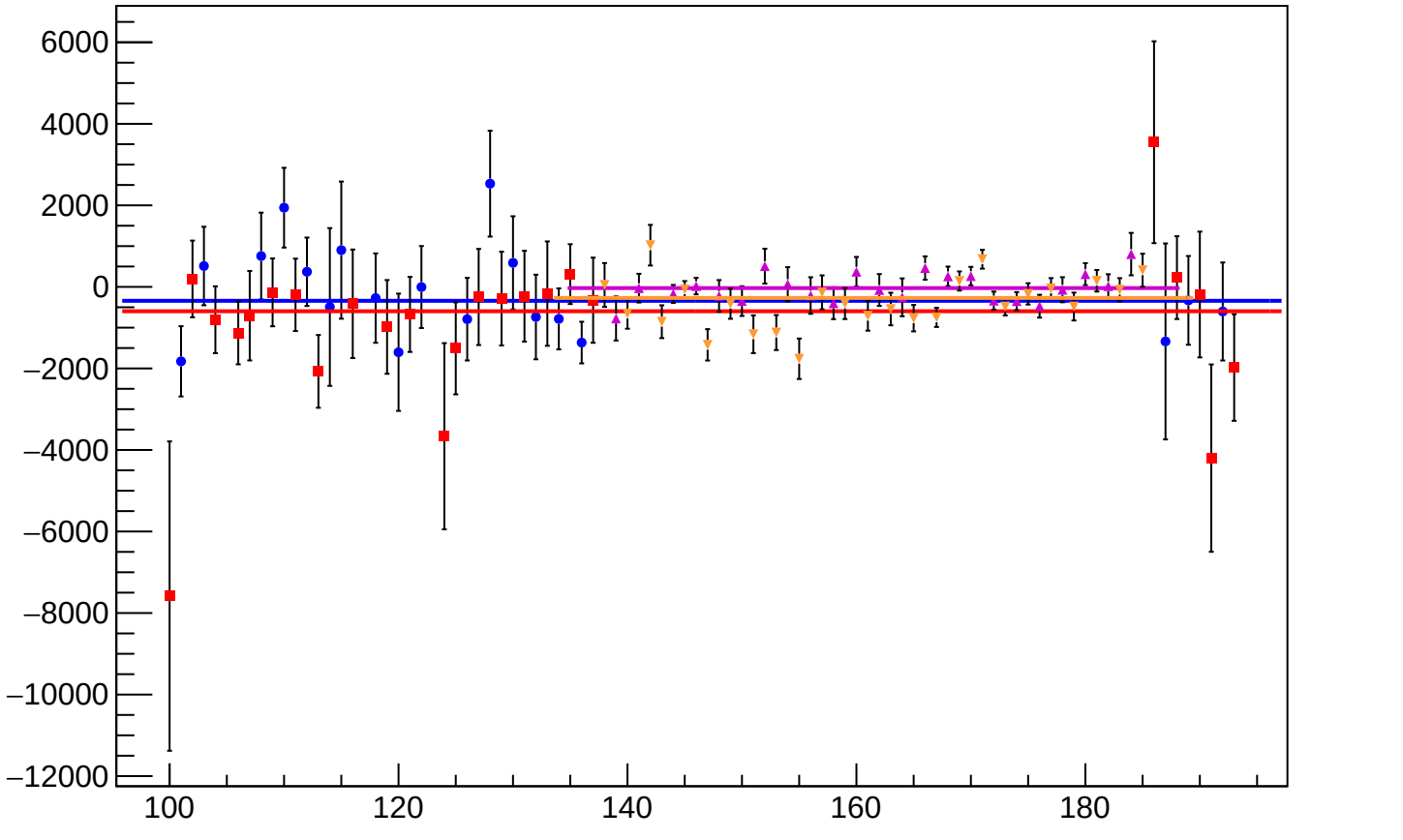
Right Out: 69.270+/-0.017 χ^2/NDF: 2501700.4/23

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.595+/-0.007 χ^2/NDF: 3555565.9/43

All: 51.020+/-0.005 χ^2/NDF: 8123479.5/90

- sign 51.466+/-0.007 χ^2/NDF: 4560351.1/46



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: -597.188+/-220.078 χ^2/NDF: 19.6/23

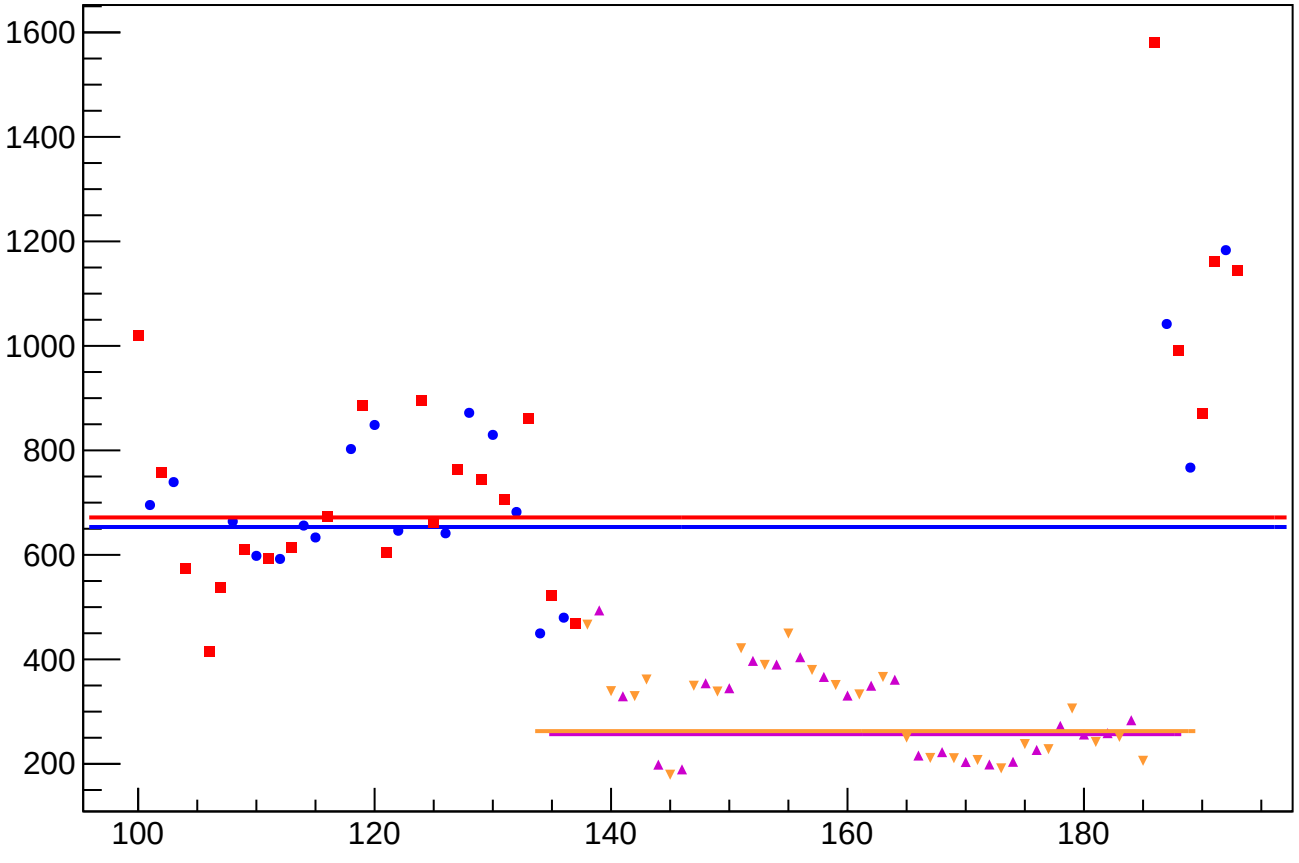
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -275.933+/-60.132 χ^2/NDF: 96.9/43

All: -174.110+/-42.570 χ^2/NDF: 152.8/90

- sign -71.805+/-60.274 χ^2/NDF: 50.1/46

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: 671.683+/-0.156 χ^2/NDF: 1525346.5/23

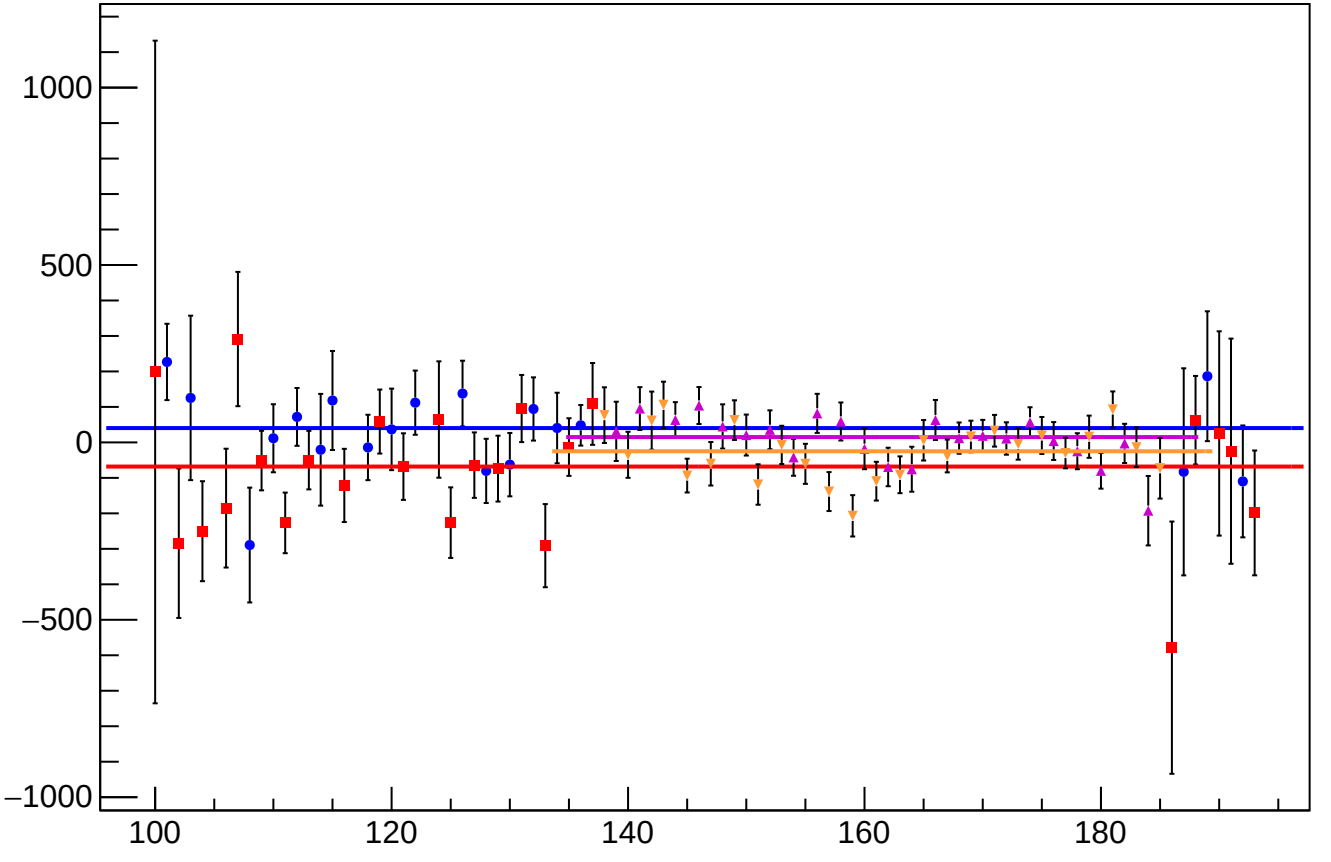
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 289.930+/-0.043 χ^2/NDF: 9431481.8/43

All: 288.947+/-0.030 χ^2/NDF: 20170302.6/90

- sign 287.959+/-0.043 χ^2/NDF: 10737748.7/46

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: -68.074+/-23.548 χ^2/NDF: 29.1/23

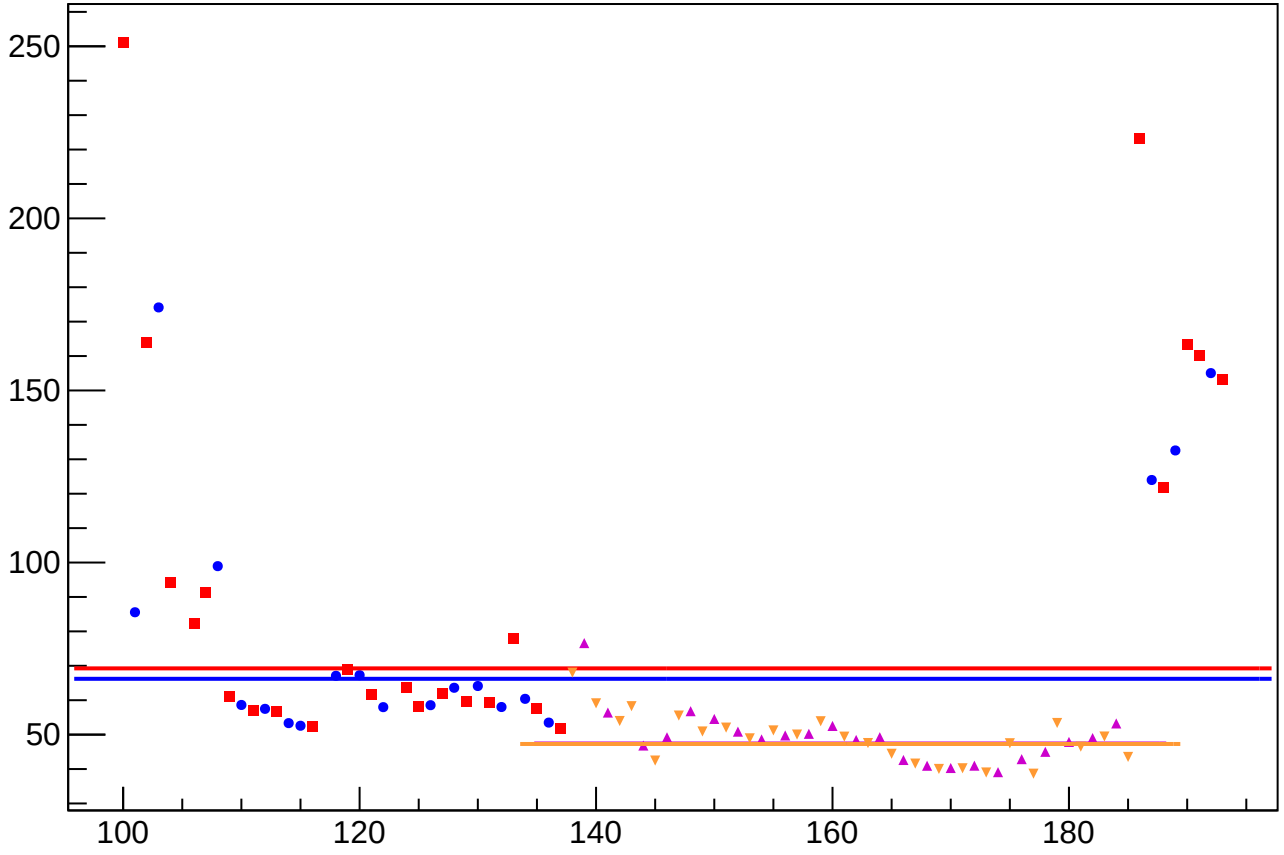
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.552+/-9.890 χ^2/NDF: 64.7/43

All: -7.118+/-7.076 χ^2/NDF: 129.5/90

- sign -0.372+/-10.127 χ^2/NDF: 64.0/46

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: 69.248+/-0.017 χ^2/NDF: 2499842.1/23

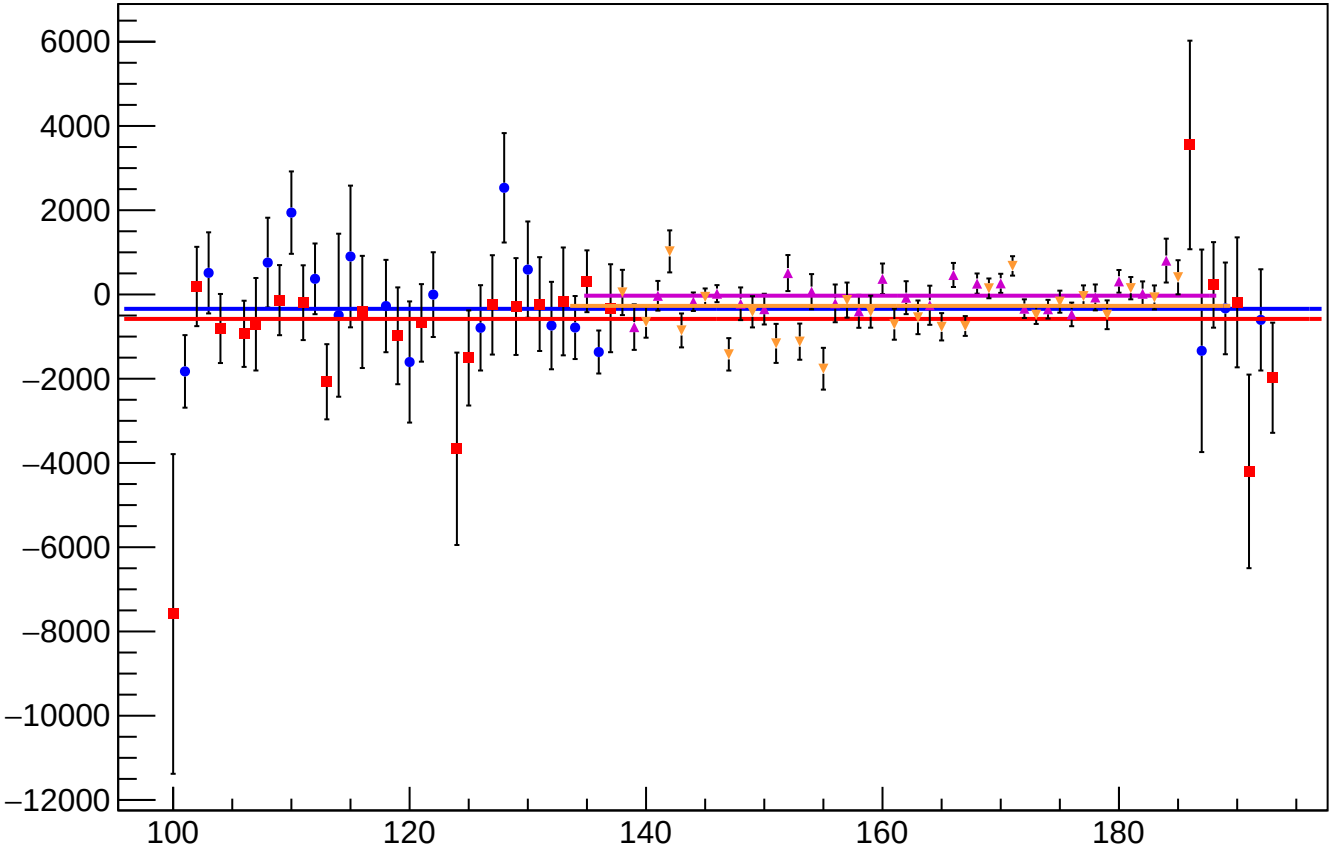
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.595+/-0.007 χ^2/NDF: 3555567.6/43

All: 51.018+/-0.005 χ^2/NDF: 8118616.7/90

- sign 51.461+/-0.007 χ^2/NDF: 4555563.1/46

asym_sam_37_dd_cor_correction_mean vs Slug



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: -580.627+/-220.443 χ^2/NDF: 19.3/23

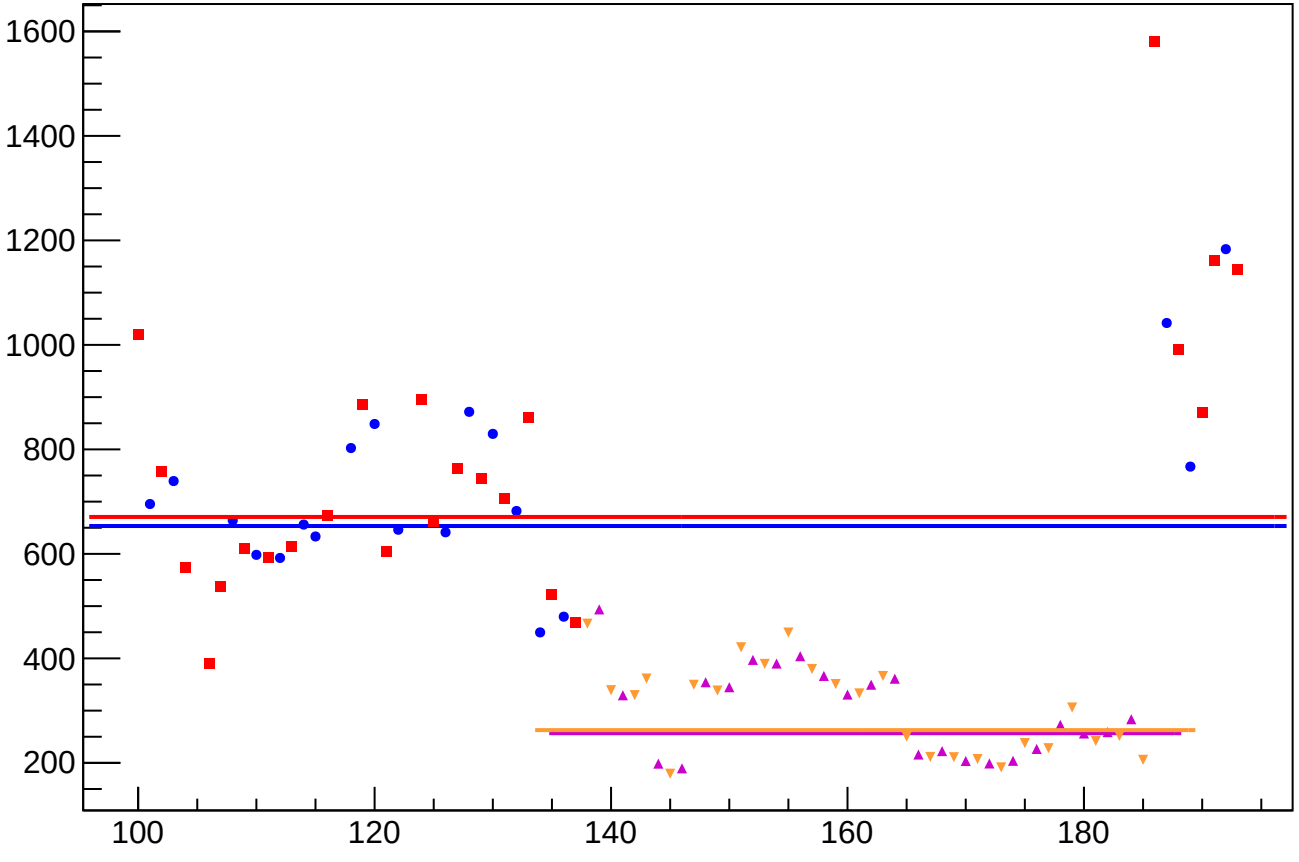
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -275.928+/-60.132 χ^2/NDF: 96.9/43

All: -173.438+/-42.573 χ^2/NDF: 152.2/90

- sign -70.437+/-60.282 χ^2/NDF: 49.5/46

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: 670.693+/-0.156 χ^2/NDF: 1557685.1/23

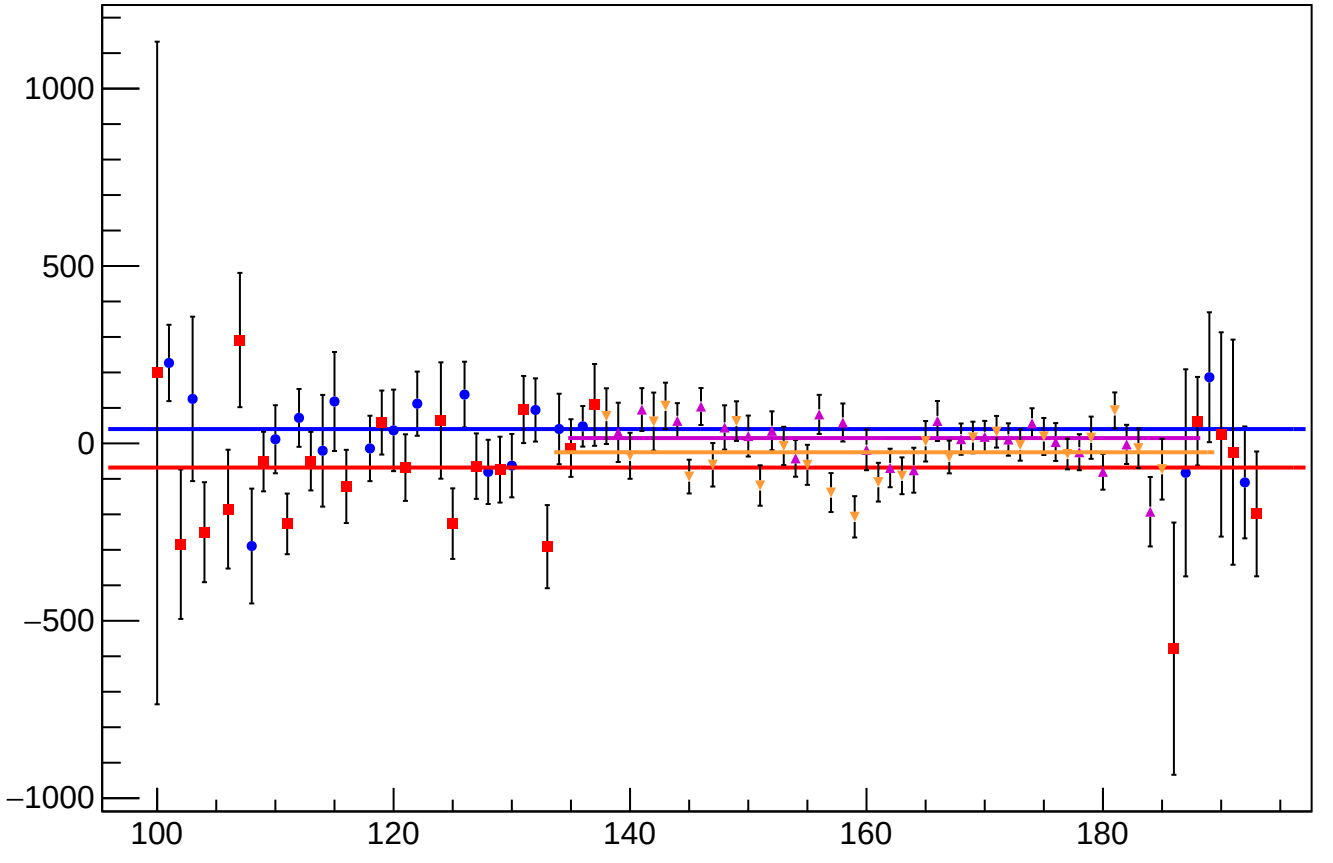
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 289.930+/-0.043 χ^2/NDF: 9431536.9/43

All: 288.862+/-0.030 χ^2/NDF: 20151535.8/90

- sign 287.790+/-0.043 χ^2/NDF: 10718735.3/46

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: -68.074+/-23.548 χ^2/NDF: 29.1/23

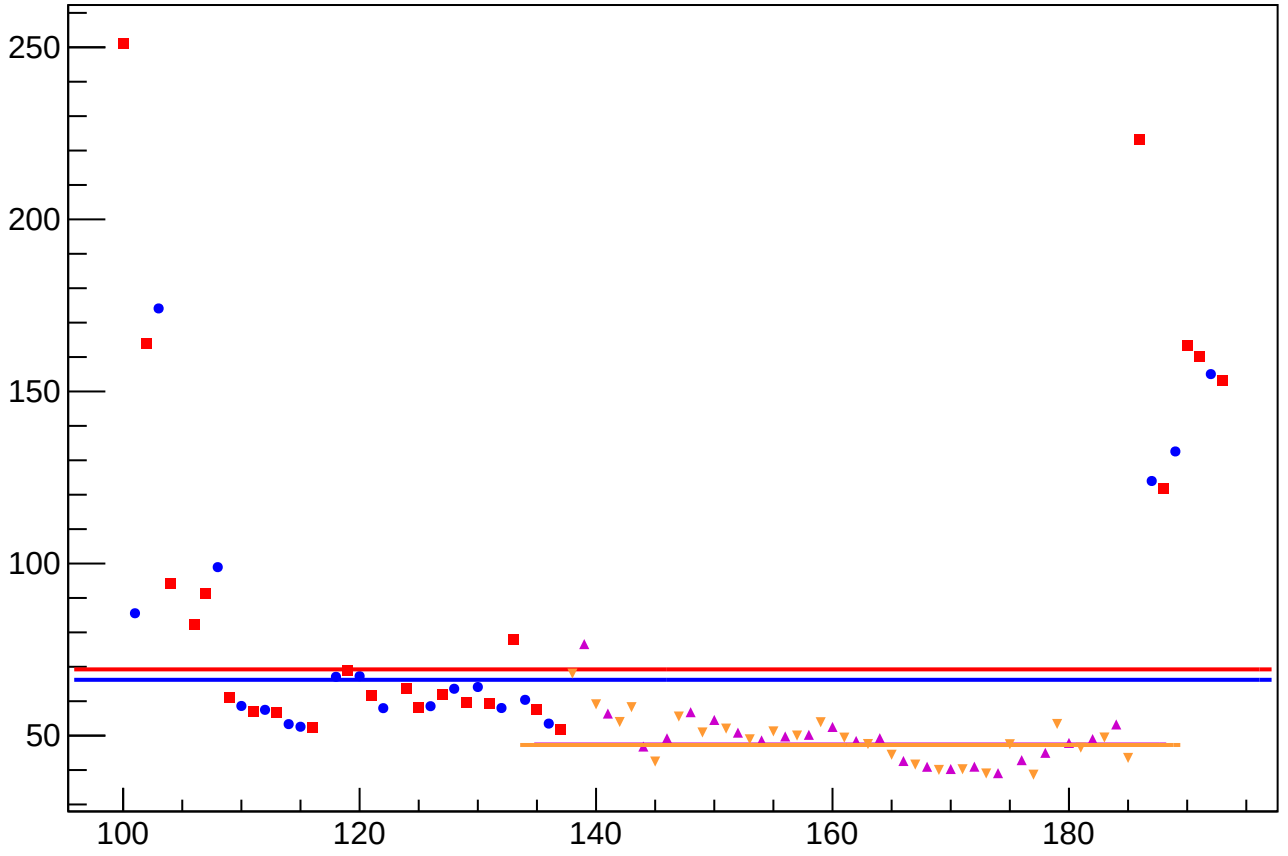
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.552+/-9.890 χ^2/NDF: 64.7/43

All: -7.118+/-7.076 χ^2/NDF: 129.5/90

- sign -0.372+/-10.127 χ^2/NDF: 64.0/46

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

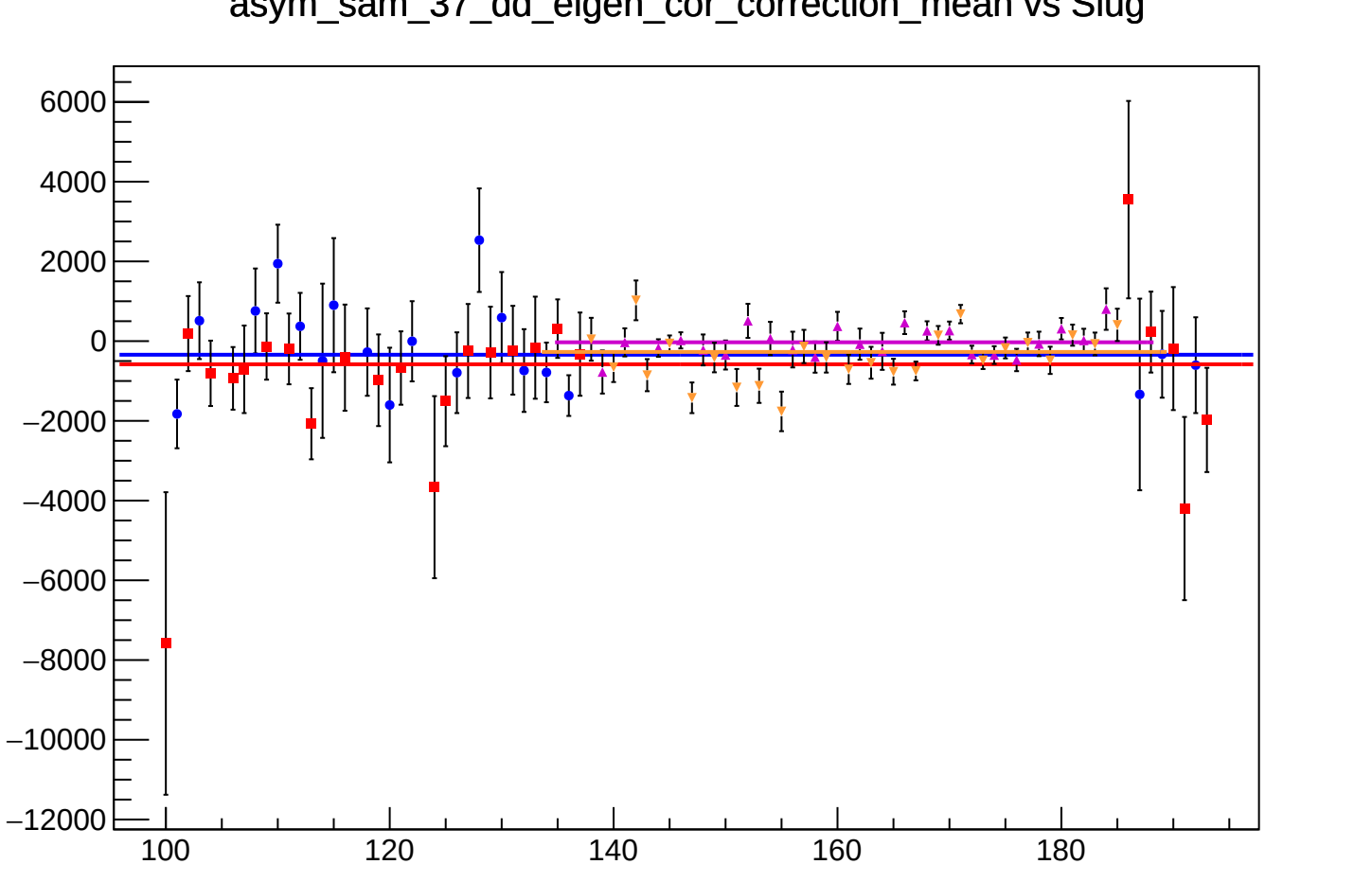
Right Out: 69.248+/-0.017 χ^2/NDF: 2499842.1/23

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

\+ sign 50.595+/-0.007 χ^2/NDF: 3555567.6/43

All: 51.018+/-0.005 χ^2/NDF: 8118616.7/90

\- sign 51.461+/-0.007 χ^2/NDF: 4555563.1/46



Right In: -341.289+/-227.673 χ^2/NDF: 22.9/18

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

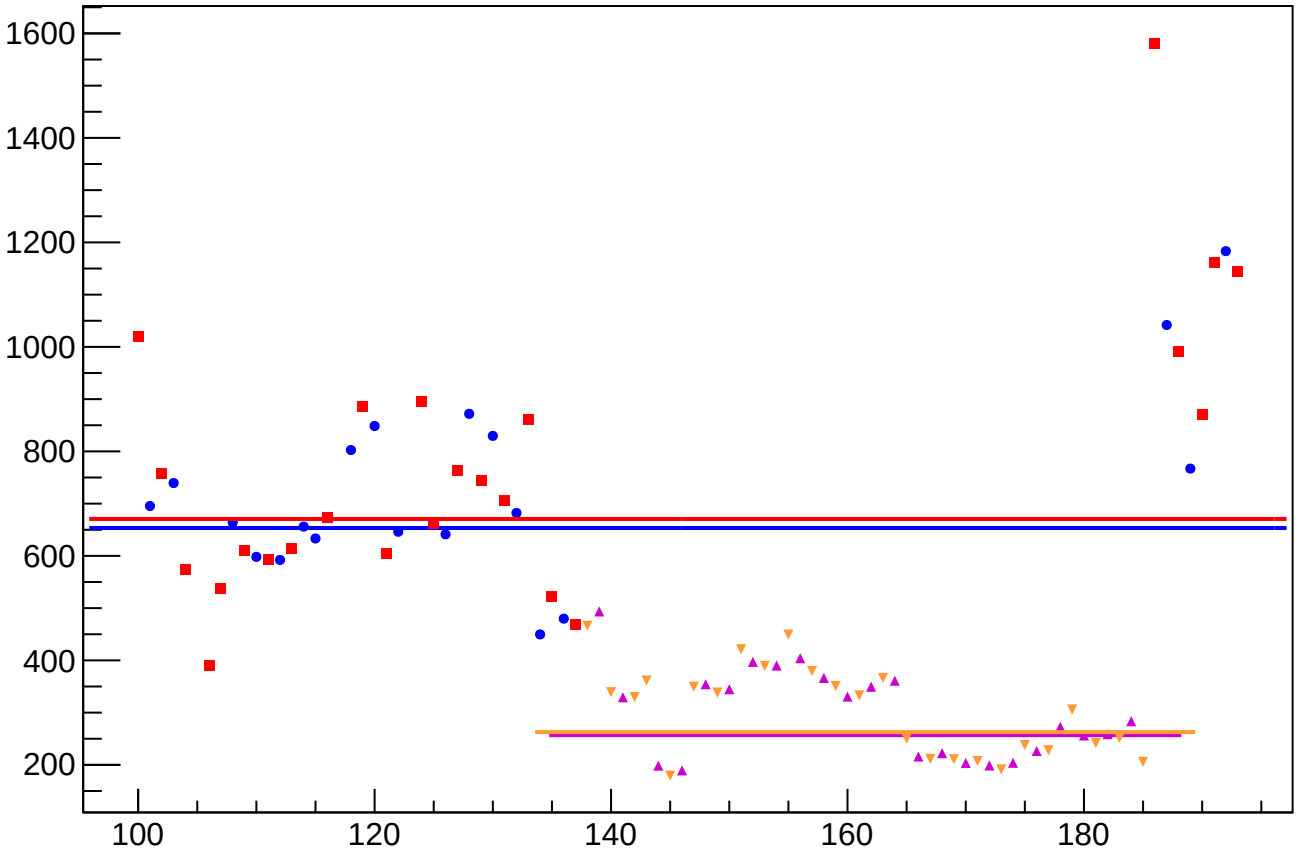
Right Out: -580.627+/-220.443 χ^2/NDF: 19.3/23

Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -275.928+/-60.132 χ^2/NDF: 96.9/43

All: -173.438+/-42.573 χ^2/NDF: 152.2/90

- sign -70.437+/-60.282 χ^2/NDF: 49.5/46



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: 670.693+/-0.156 χ^2/NDF: 1557685.1/23

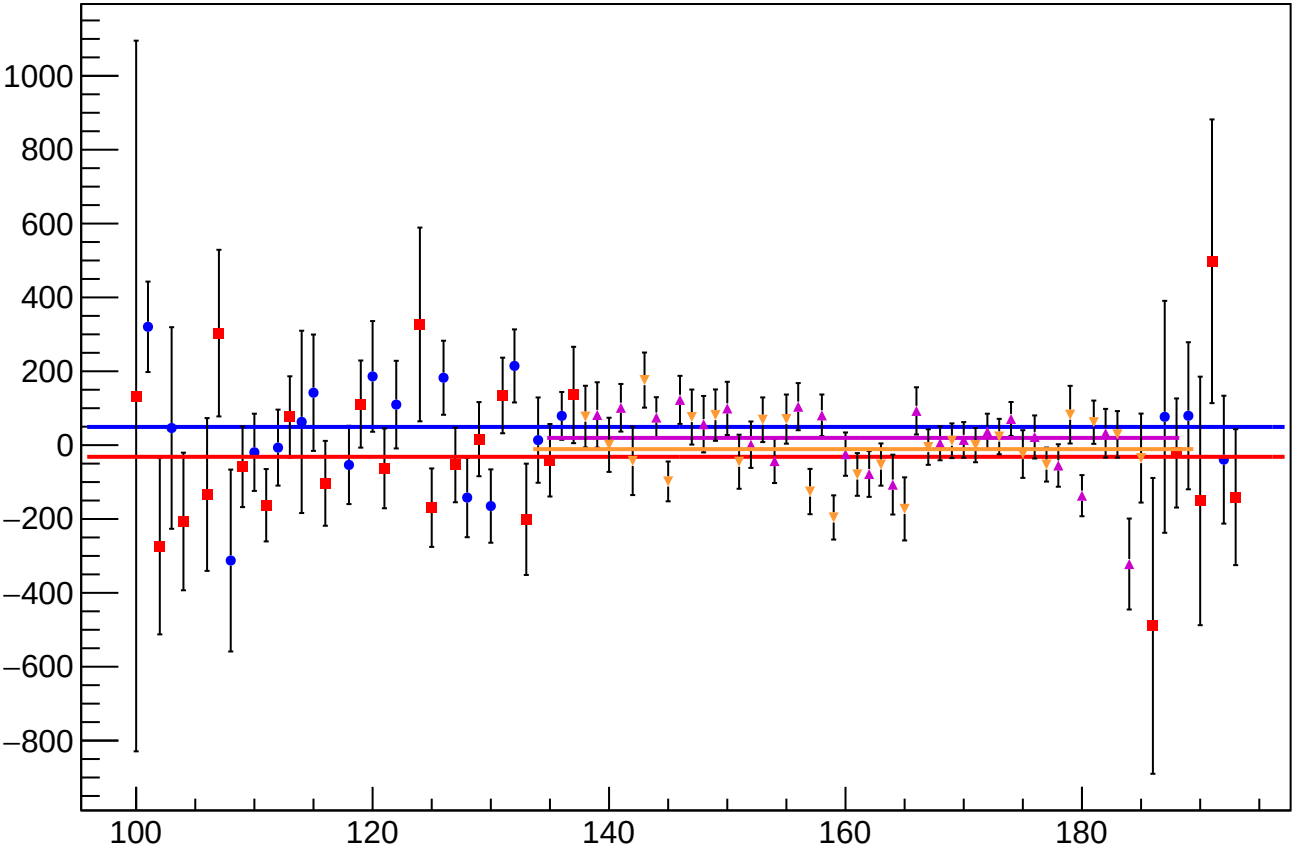
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 289.930+/-0.043 χ^2/NDF: 9431536.9/43

All: 288.862+/-0.030 χ^2/NDF: 20151535.8/90

- sign 287.790+/-0.043 χ^2/NDF: 10718735.3/46

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: -31.607+/-27.803 χ^2/NDF: 22.2/23

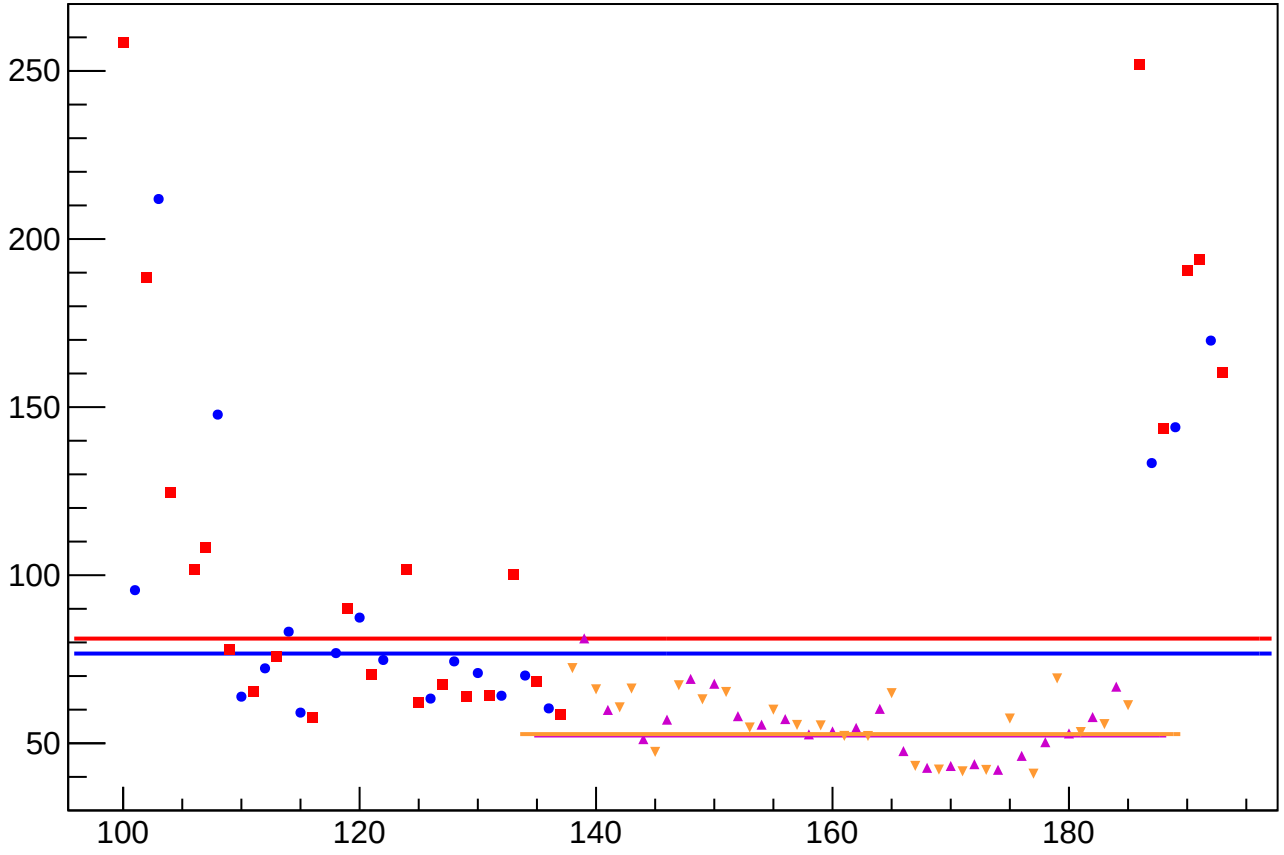
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -0.832+/-11.237 χ^2/NDF: 67.5/43

All: 4.948+/-8.015 χ^2/NDF: 129.9/90

- sign 10.935+/-11.435 χ^2/NDF: 61.8/46

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: 81.143+/-0.020 χ^2/NDF: 2633835.2/23

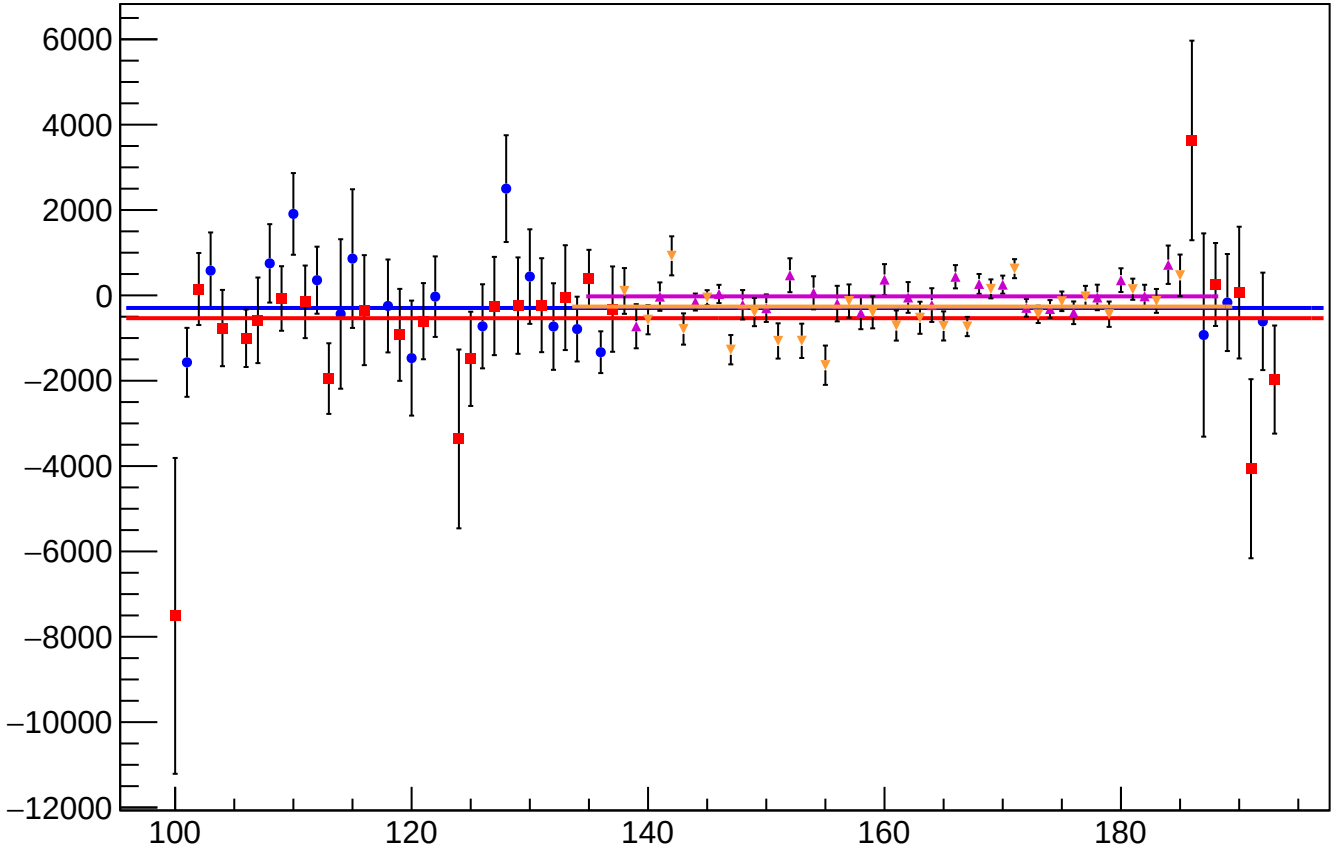
Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 56.712+/-0.008 χ^2/NDF: 4283528.8/43

All: 56.947+/-0.006 χ^2/NDF: 9597622.8/90

- sign 57.191+/-0.008 χ^2/NDF: 5312310.0/46

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: -534.628+/-208.494 χ^2/NDF: 21.4/23

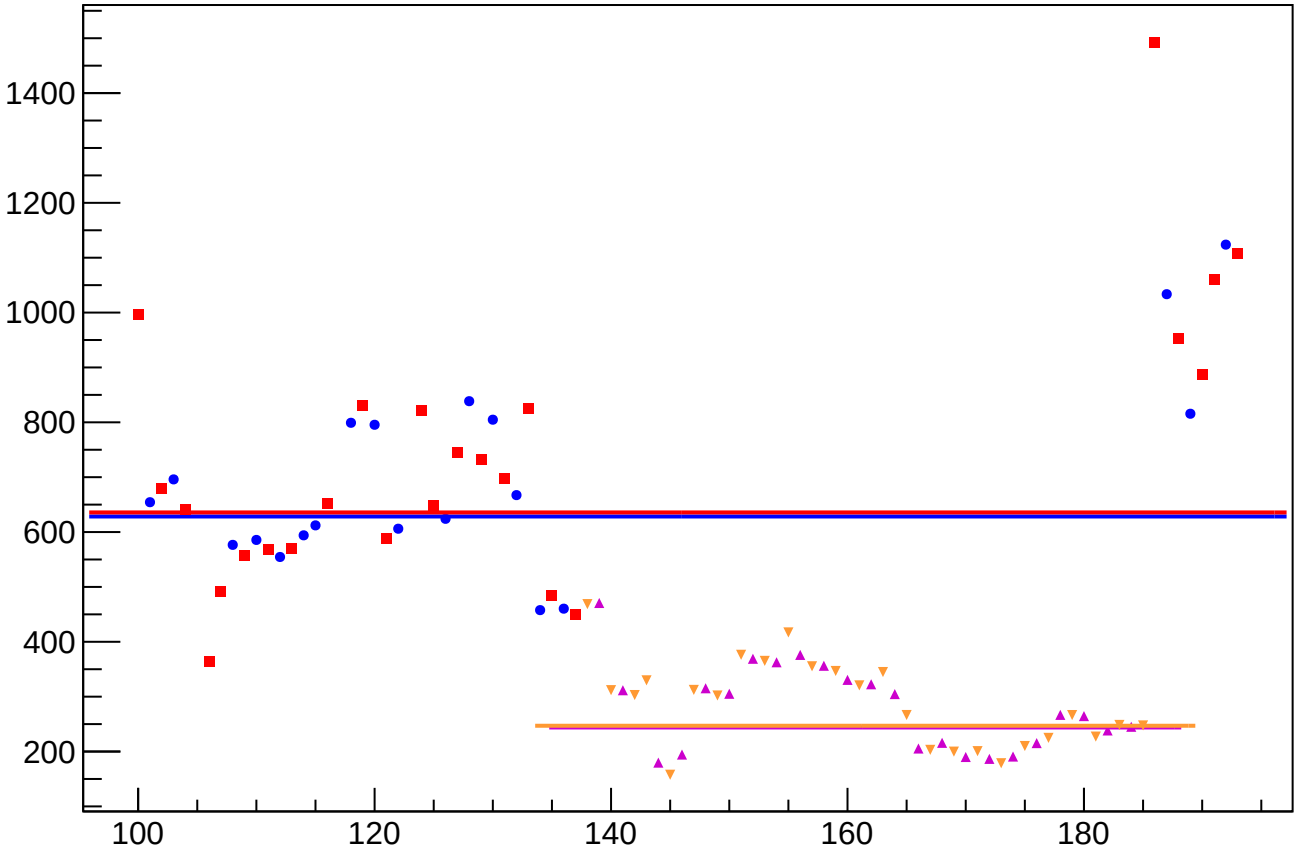
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -264.768+/-56.506 χ^2/NDF: 95.2/43

All: -164.407+/-40.173 χ^2/NDF: 152.7/90

- sign -61.840+/-57.124 χ^2/NDF: 51.1/46

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: 635.768+/-0.147 χ^2/NDF: 1677423.8/23

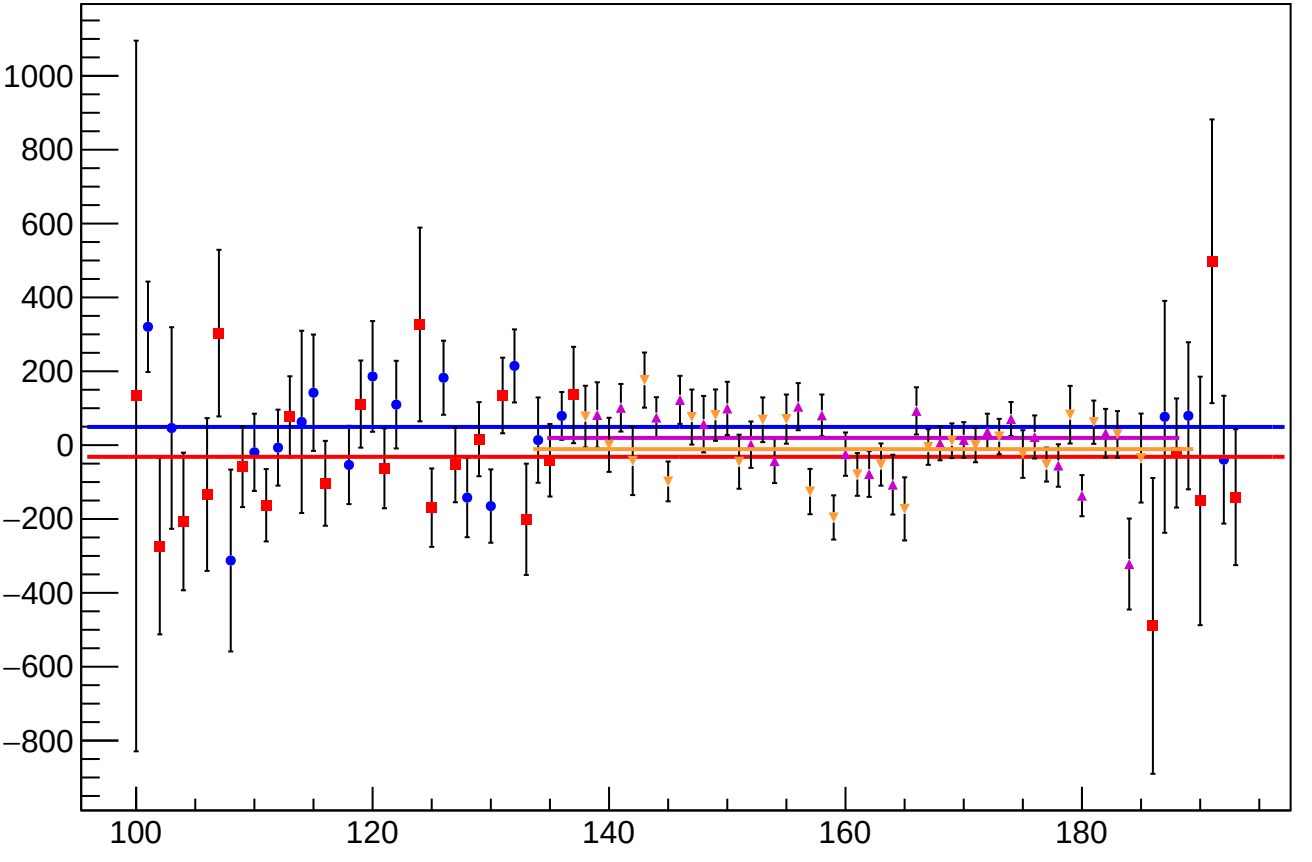
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 272.556+/-0.040 χ^2/NDF: 9681864.9/43

All: 272.897+/-0.028 χ^2/NDF: 20387294.6/90

- sign 273.247+/-0.040 χ^2/NDF: 10705281.6/46

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: -31.606+/-27.803 χ^2/NDF: 22.2/23

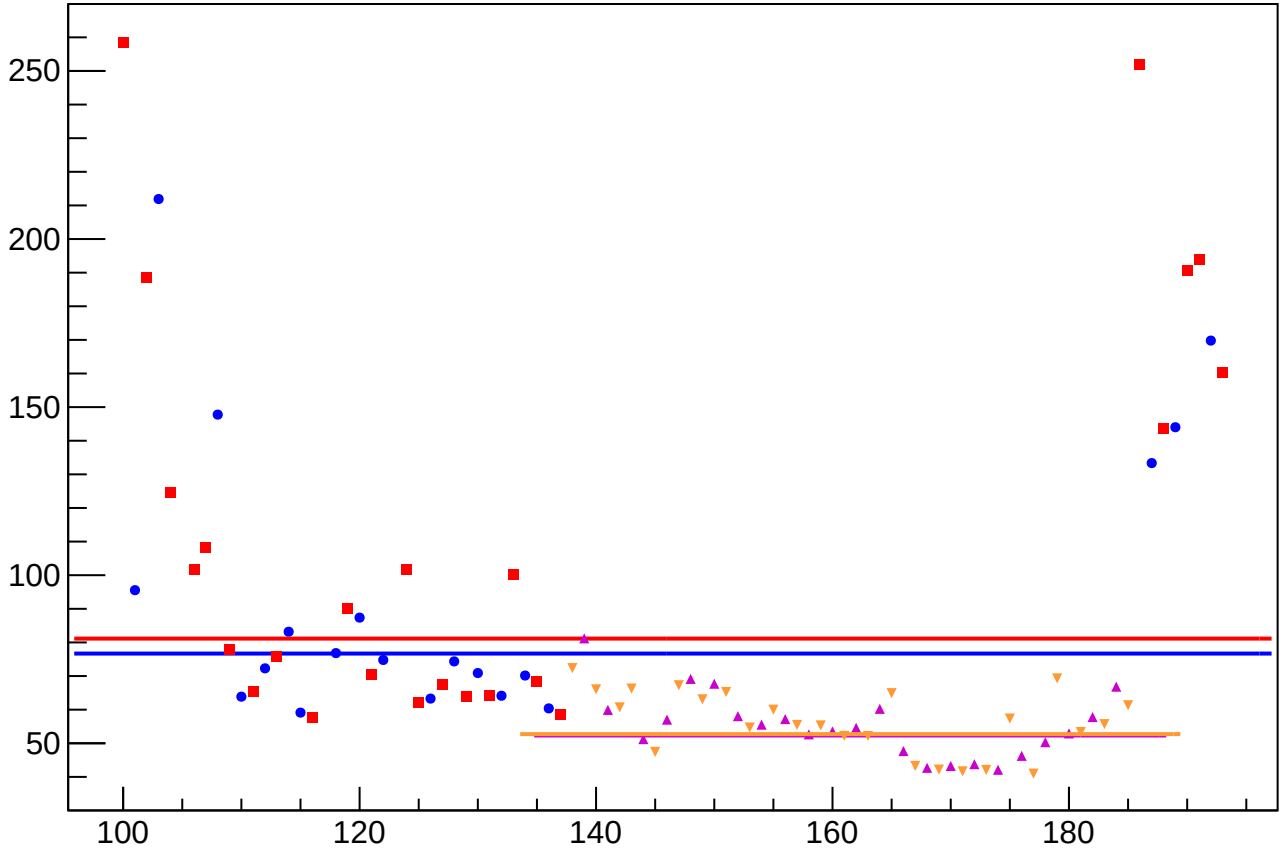
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

\+ sign -0.832+/-11.237 χ^2/NDF: 67.5/43

All: 4.949+/-8.015 χ^2/NDF: 129.9/90

\- sign 10.935+/-11.435 χ^2/NDF: 61.8/46

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 76.690+/-0.019 χ^2/NDF: 1856625.5/18

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

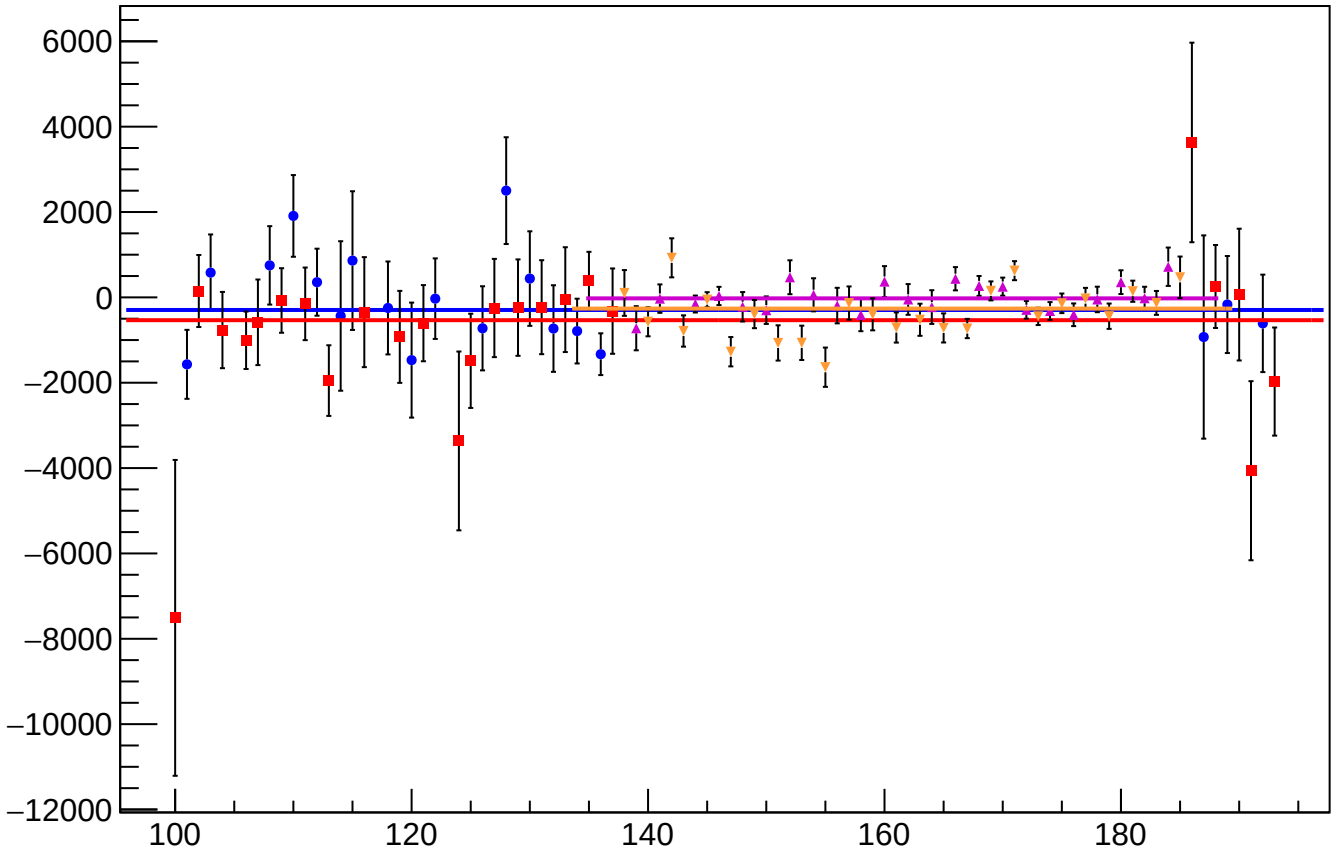
Right Out: 81.143+/-0.020 χ^2/NDF: 2633832.6/23

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 56.712+/-0.008 χ^2/NDF: 4283550.0/43

All: 56.947+/-0.006 χ^2/NDF: 9597634.8/90

- sign 57.191+/-0.008 χ^2/NDF: 5312300.8/46



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: -534.628+/-208.494 χ^2/NDF: 21.4/23

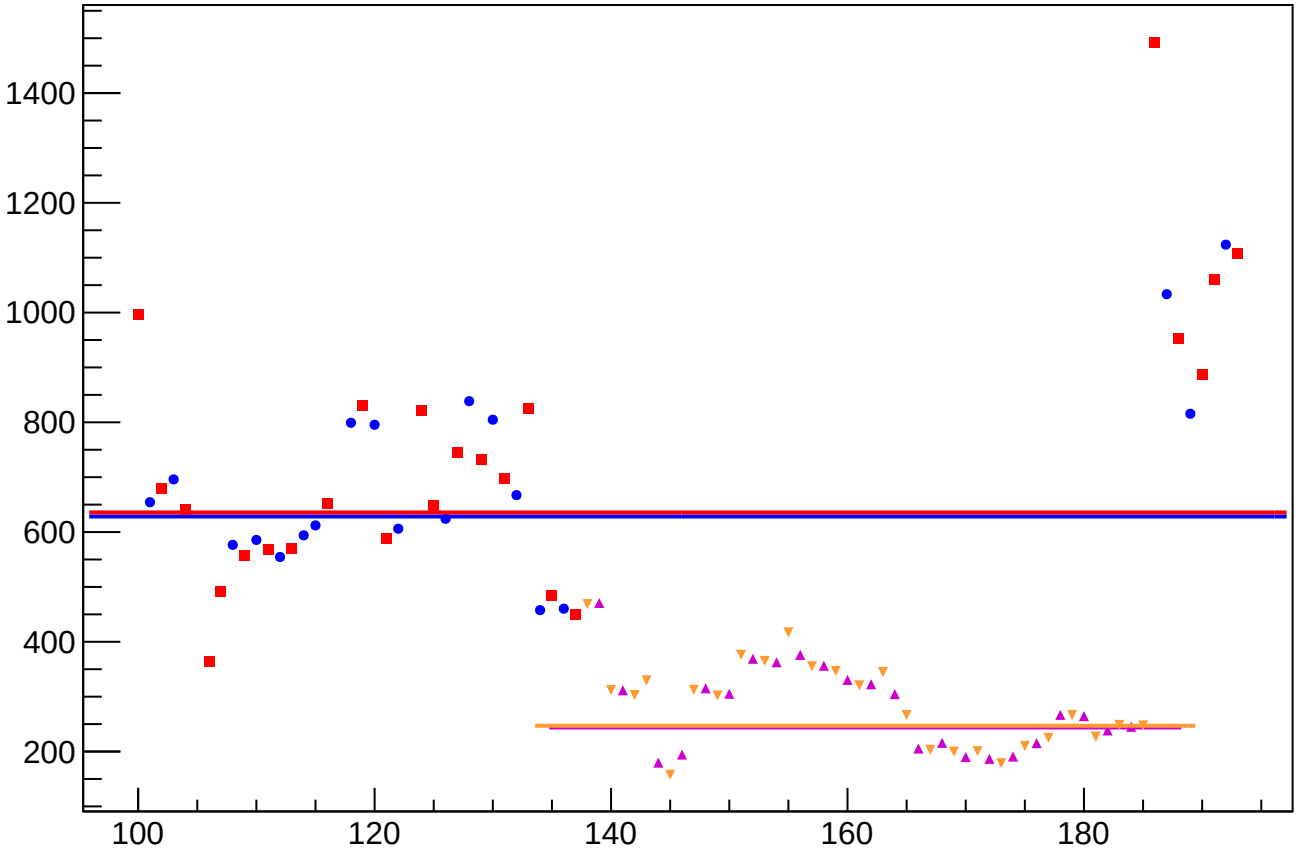
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -264.769+/-56.506 χ^2/NDF: 95.2/43

All: -164.407+/-40.173 χ^2/NDF: 152.7/90

- sign -61.840+/-57.124 χ^2/NDF: 51.1/46

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: 635.768+/-0.147 χ^2/NDF: 1677420.5/23

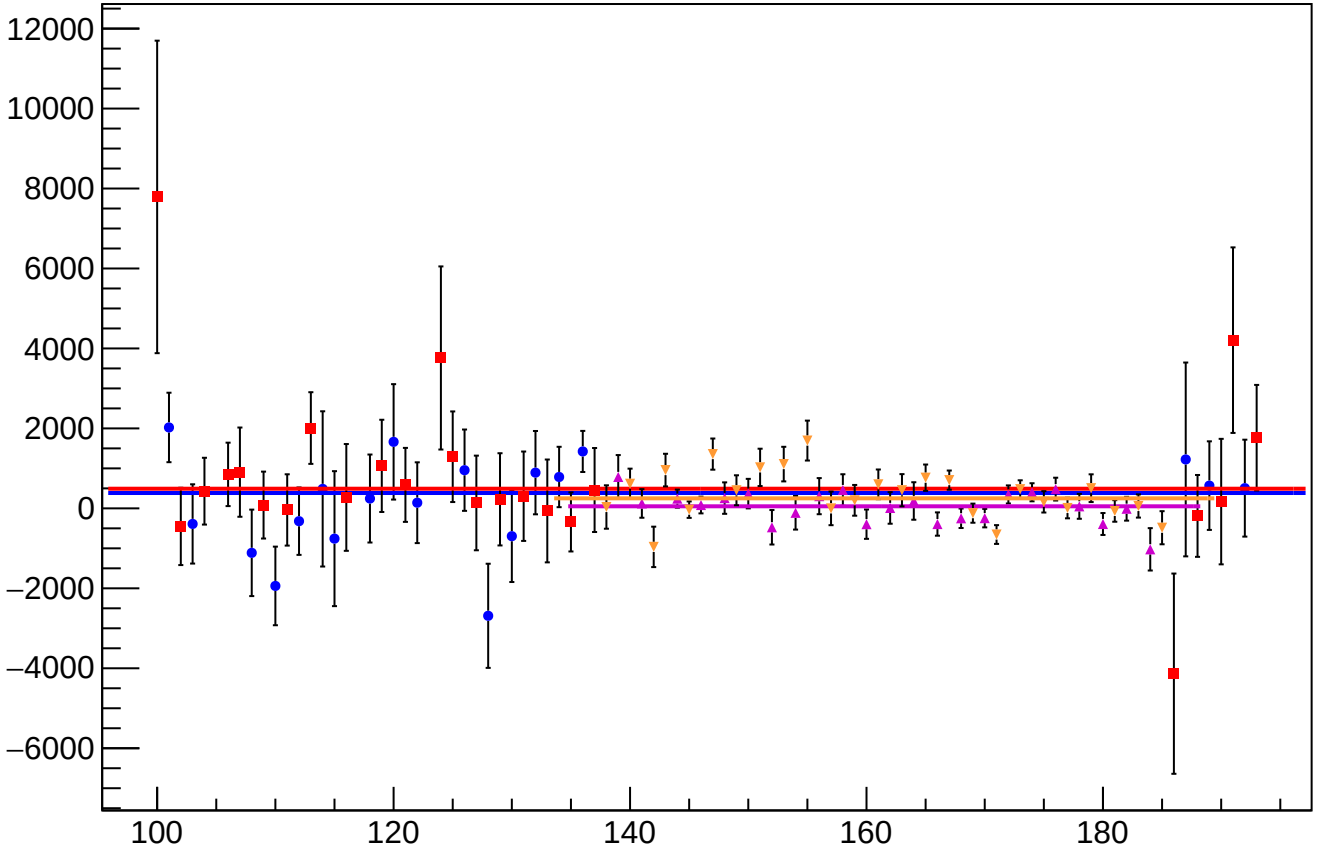
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 272.555+/-0.040 χ^2/NDF: 9681855.8/43

All: 272.897+/-0.028 χ^2/NDF: 20387278.7/90

- sign 273.247+/-0.040 χ^2/NDF: 10705274.9/46

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: 491.377+/-222.335 χ^2/NDF: 20.1/23

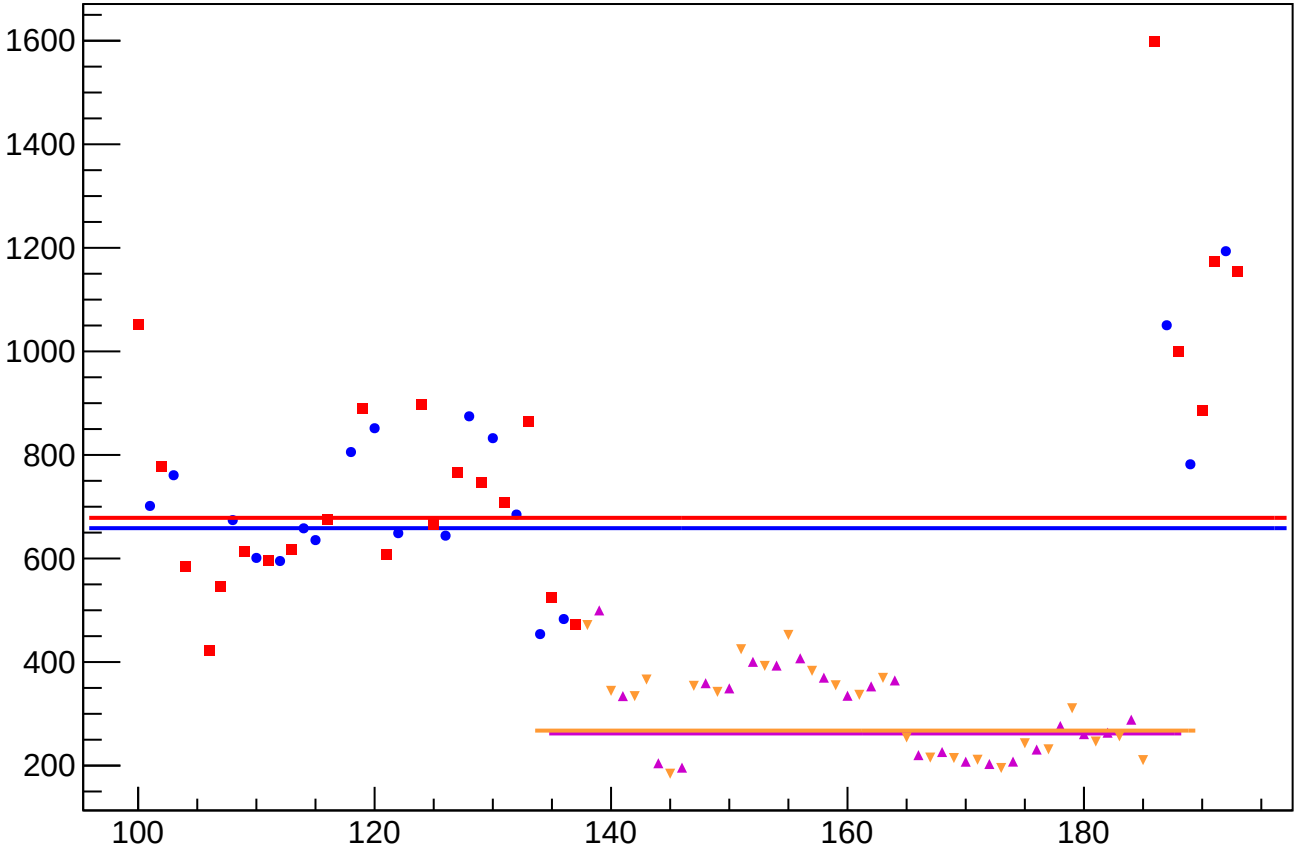
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 260.544+/-61.132 χ^2/NDF: 93.1/43

All: 173.202+/-43.309 χ^2/NDF: 147.7/90

- sign 85.198+/-61.363 χ^2/NDF: 50.5/46

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

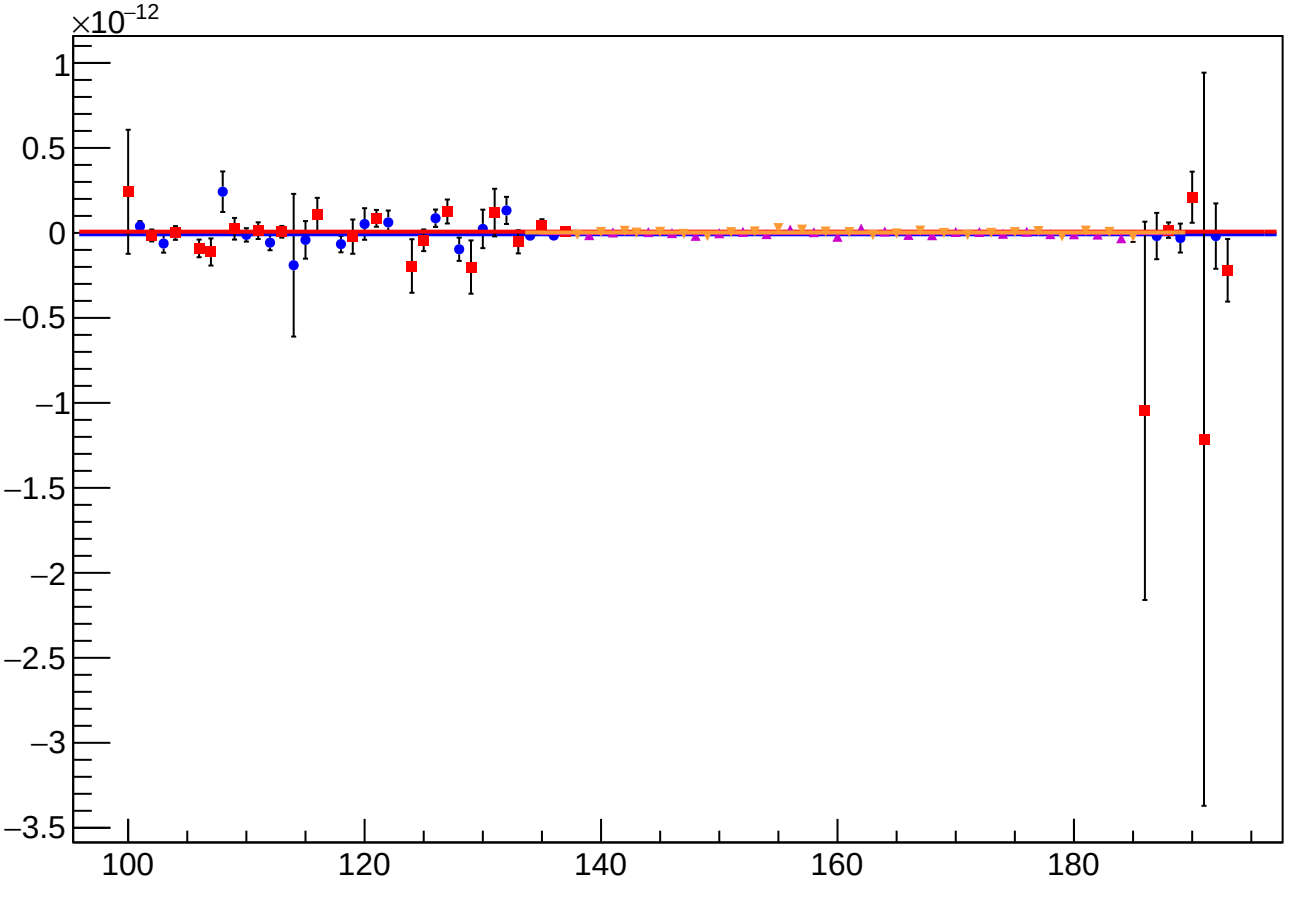
Right Out: 678.518+/-0.157 χ^2/NDF: 1514178.5/23

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 295.327+/-0.043 χ^2/NDF: 9259810.9/43

All: 294.573+/-0.031 χ^2/NDF: 19793618.7/90

- sign 293.813+/-0.043 χ^2/NDF: 10533196.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

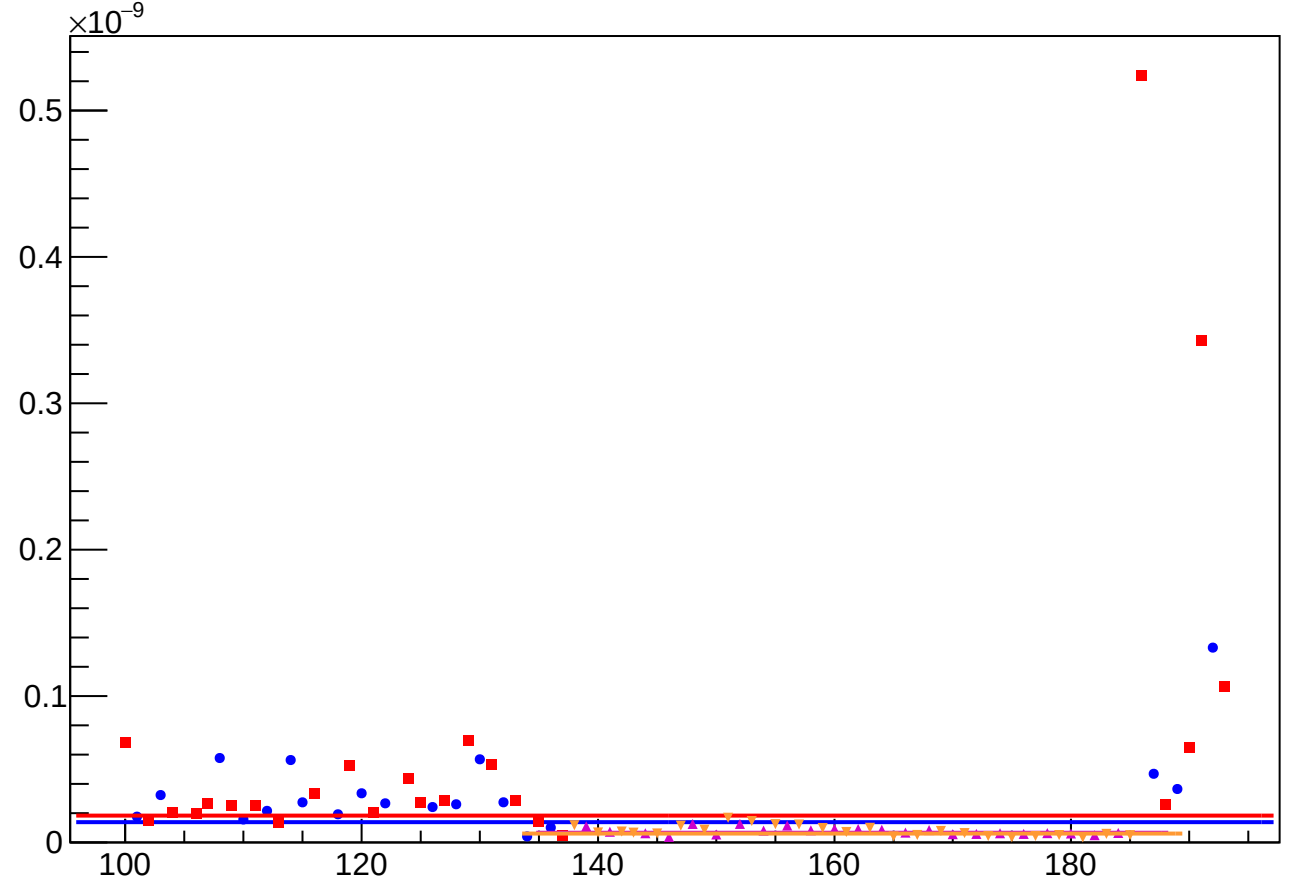
Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/23

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: 75.5/90

- sign -0.000+/-0.000 χ^2/NDF: 37.4/46



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: 2834421.6/23

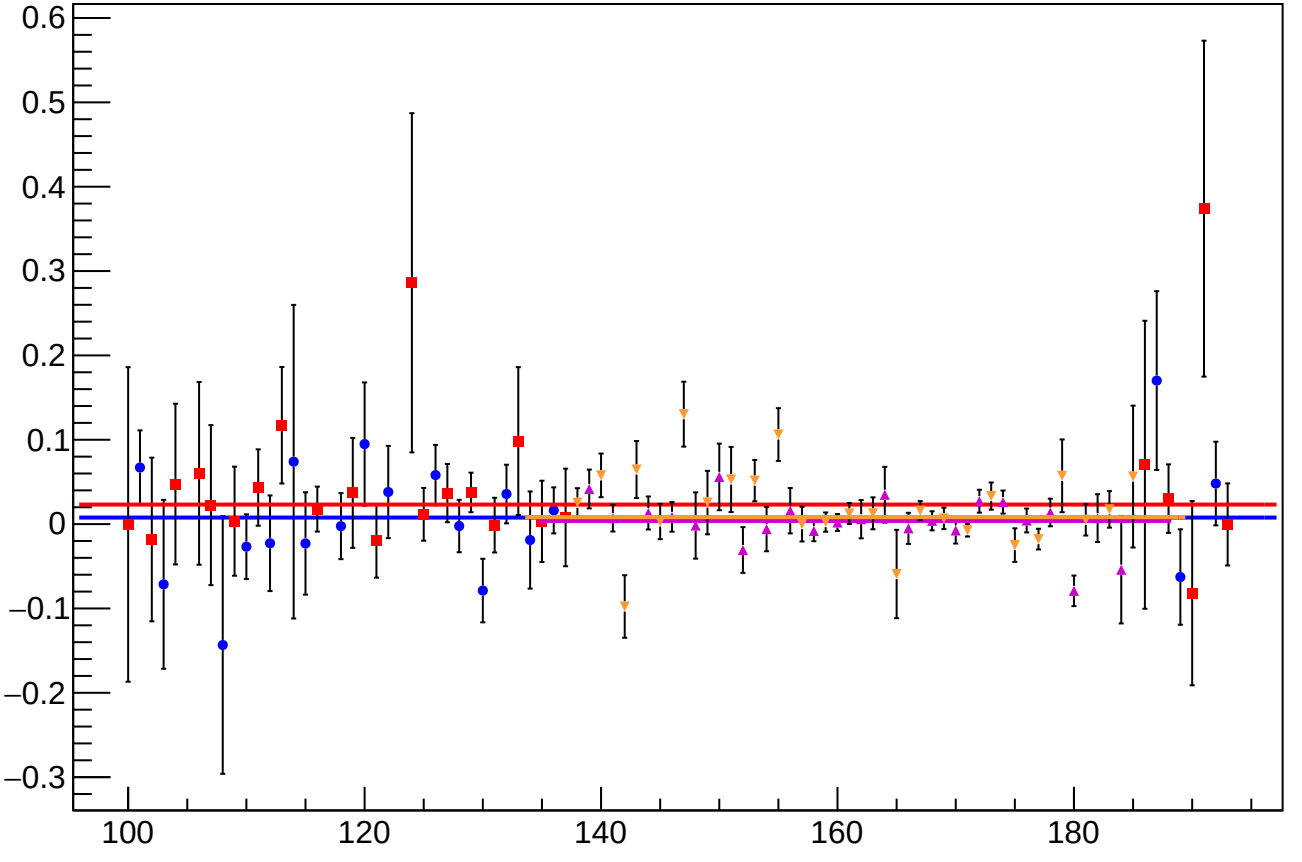
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6853219.3/43

All: 0.000+/-0.000 χ^2/NDF: 13034391.3/90

- sign 0.000+/-0.000 χ^2/NDF: 6105457.6/46

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: 0.023+/-0.010 χ^2/NDF: 11.9/23

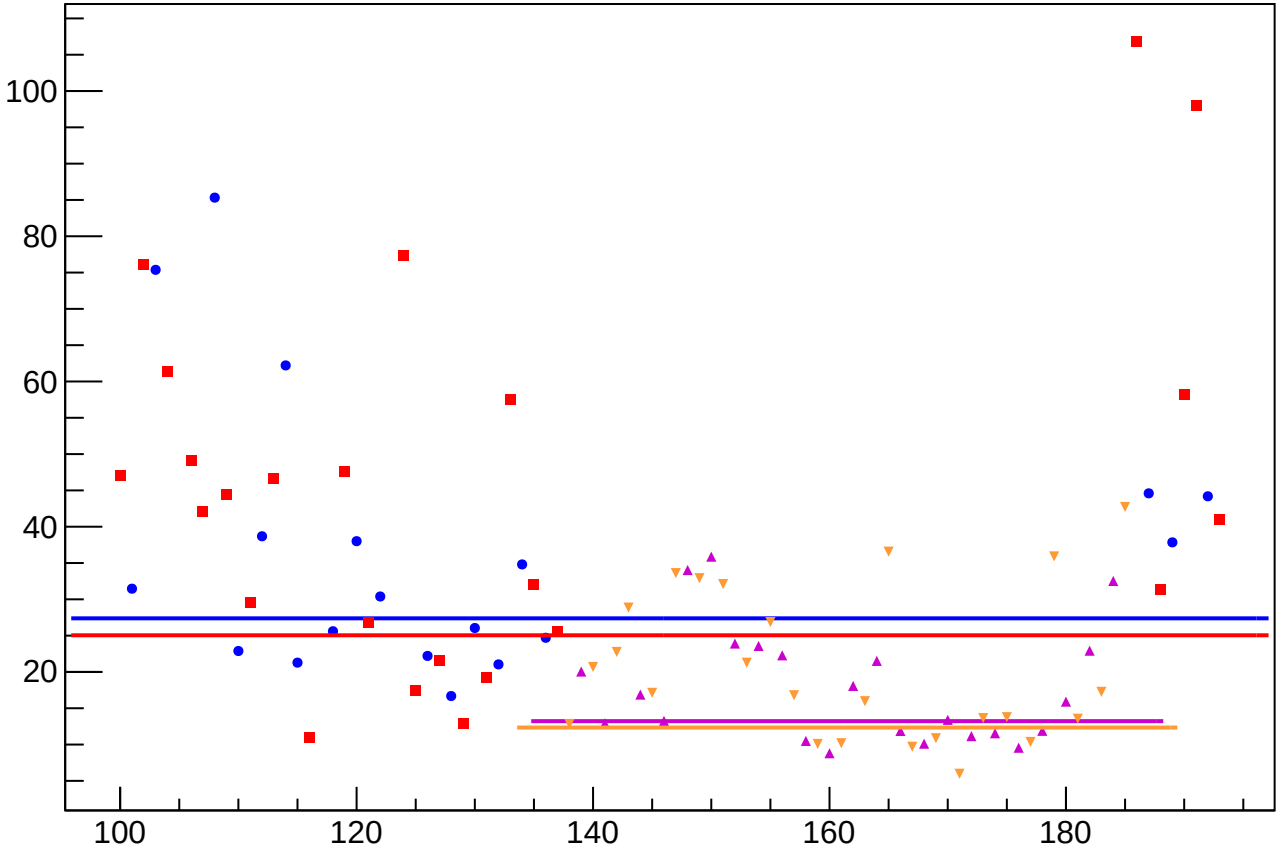
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.4/43

All: 0.007+/-0.002 χ^2/NDF: 131.1/90

- sign 0.006+/-0.003 χ^2/NDF: 52.5/46

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

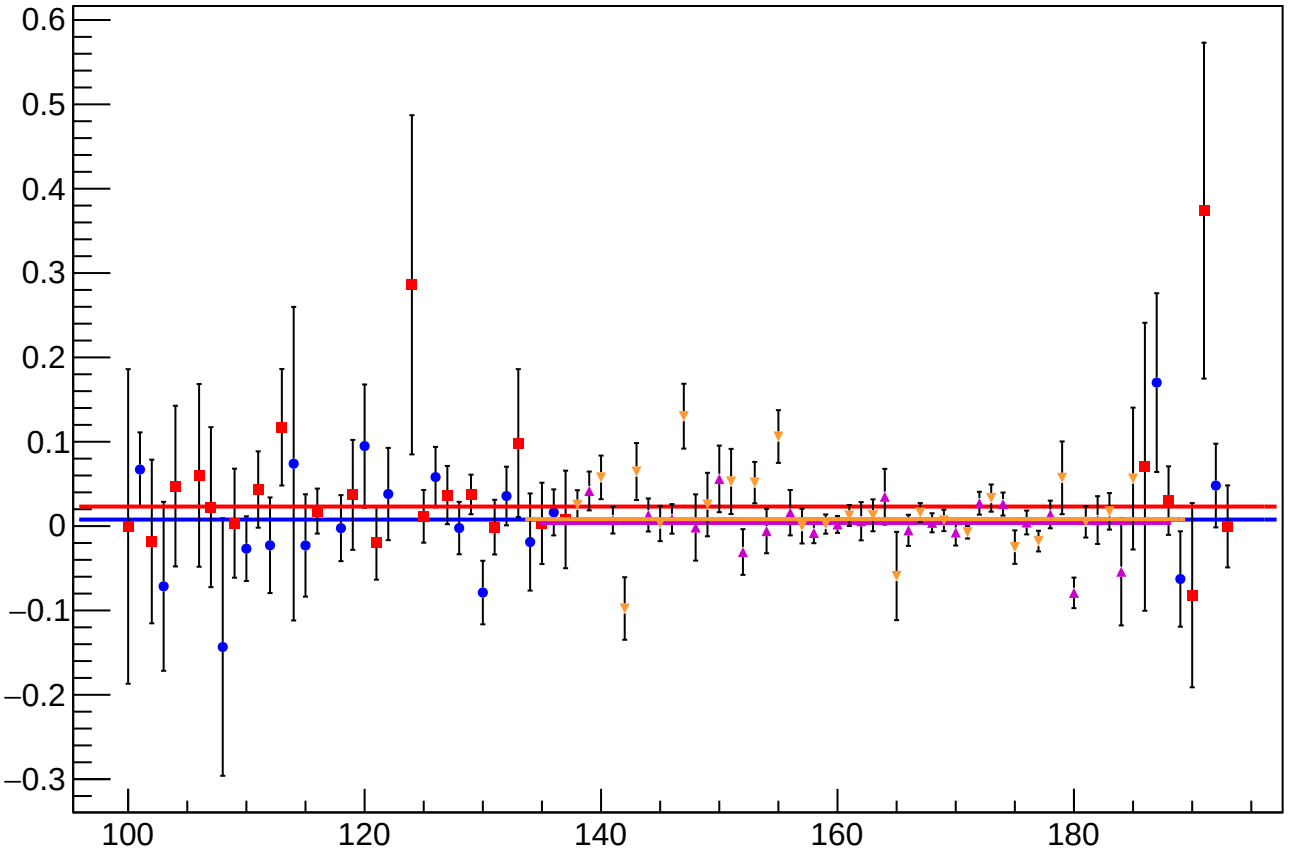
Right Out: 25.048+/-0.007 χ^2/NDF: 4605859.7/23

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

\+ sign 13.790+/-0.002 χ^2/NDF: 12158219.5/43

All: 14.196+/-0.002 χ^2/NDF: 23219900.8/90

\- sign 14.633+/-0.002 χ^2/NDF: 10998254.3/46



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: 0.023+/-0.010 χ^2/NDF: 11.9/23

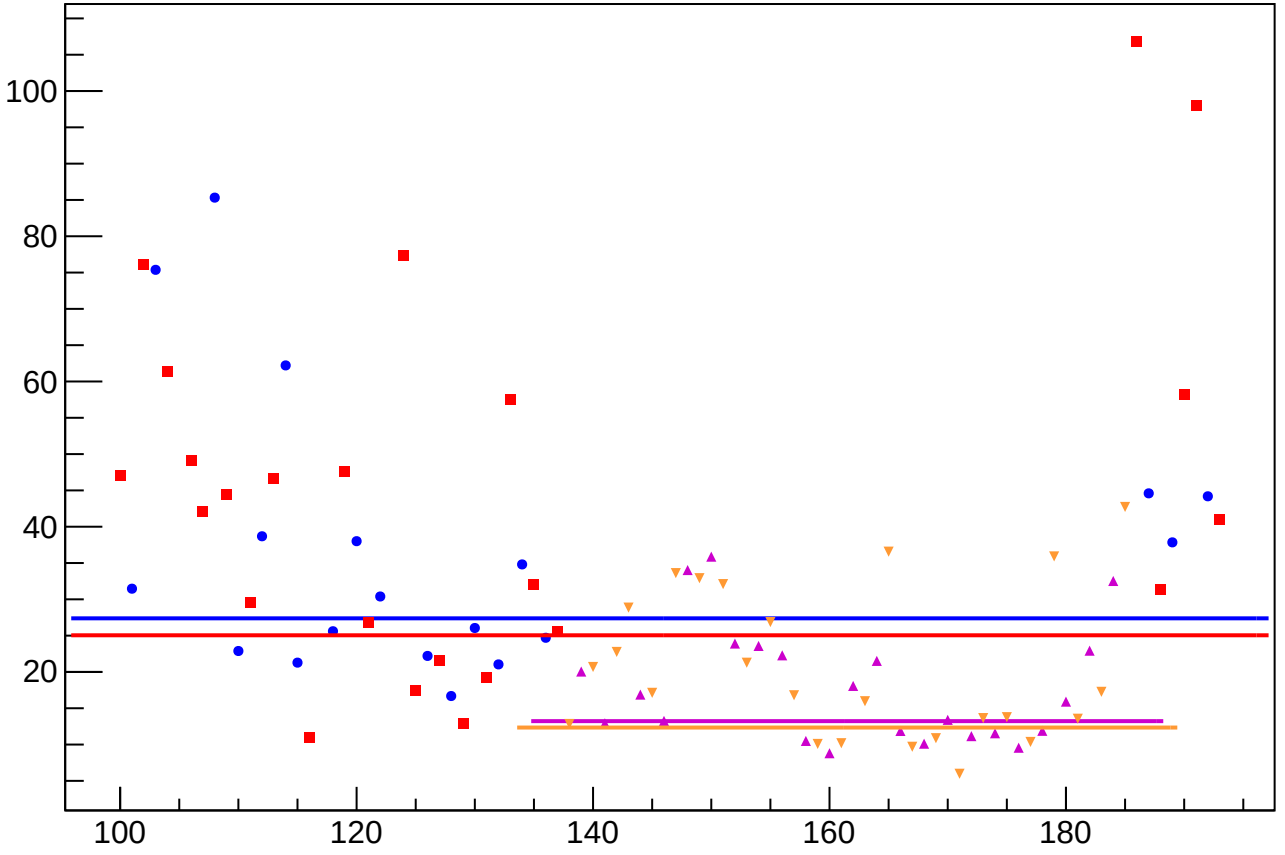
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.4/43

All: 0.007+/-0.002 χ^2/NDF: 131.1/90

- sign 0.006+/-0.003 χ^2/NDF: 52.5/46

asym_sam_37_dd_dit_vs_eigen_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

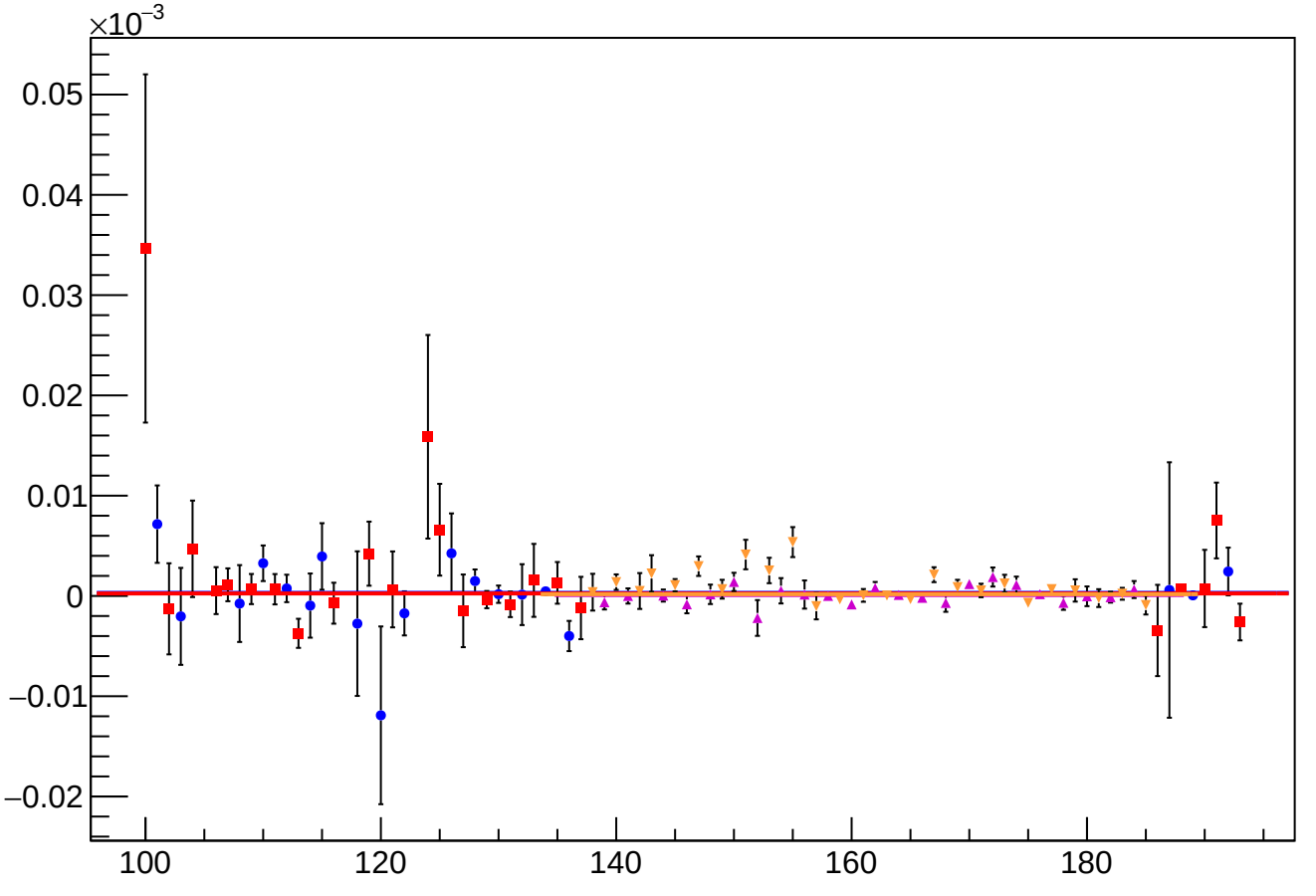
Right Out: 25.048+/-0.007 χ^2/NDF: 4605859.7/23

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

\+ sign 13.790+/-0.002 χ^2/NDF: 12158219.5/43

All: 14.196+/-0.002 χ^2/NDF: 23219900.8/90

\- sign 14.633+/-0.002 χ^2/NDF: 10998254.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

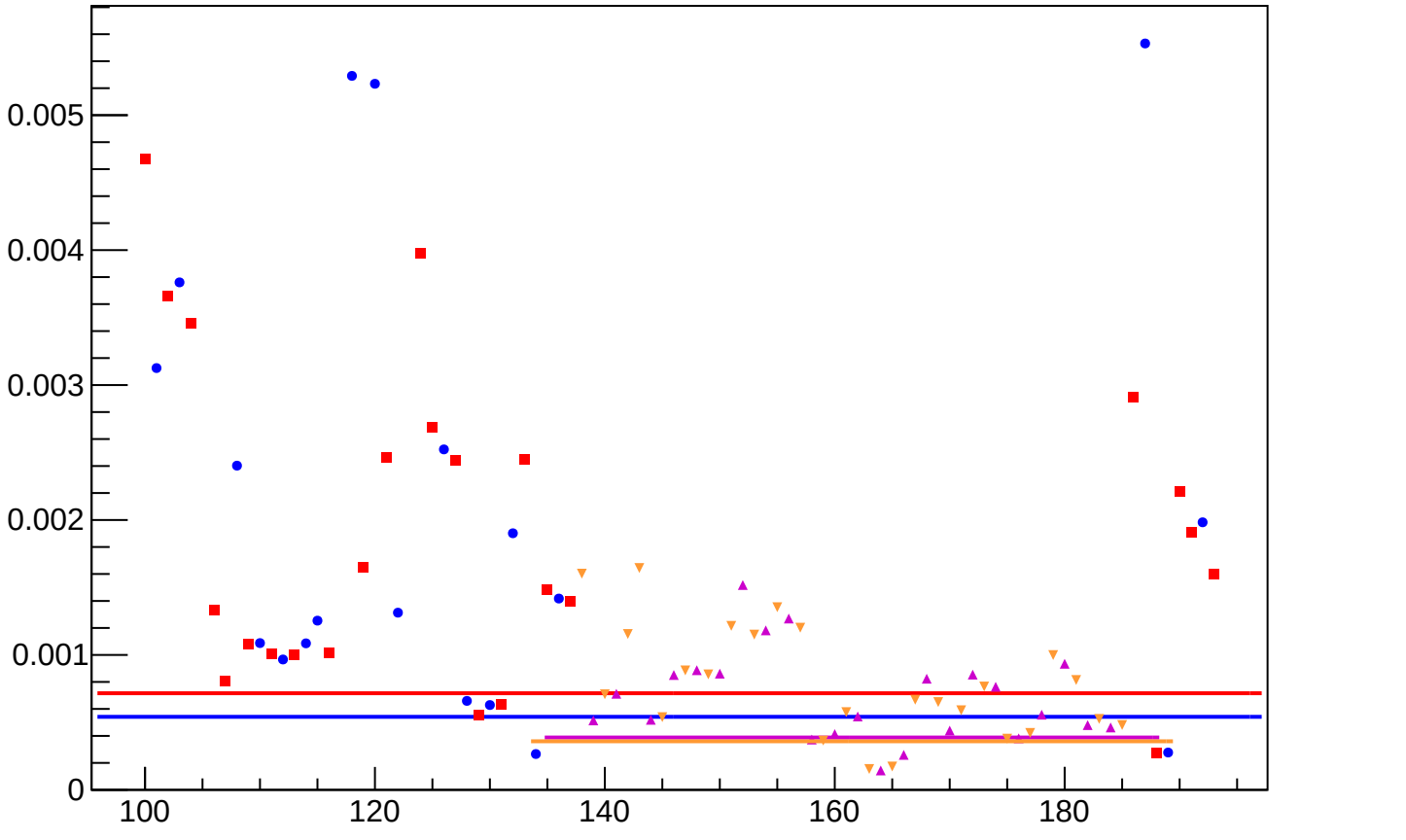
Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/23

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: 137.5/90

- sign 0.000+/-0.000 χ^2/NDF: 53.5/46



Right In: 0.001+/-0.000 χ^2/NDF: 8421277.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7835684.7/23

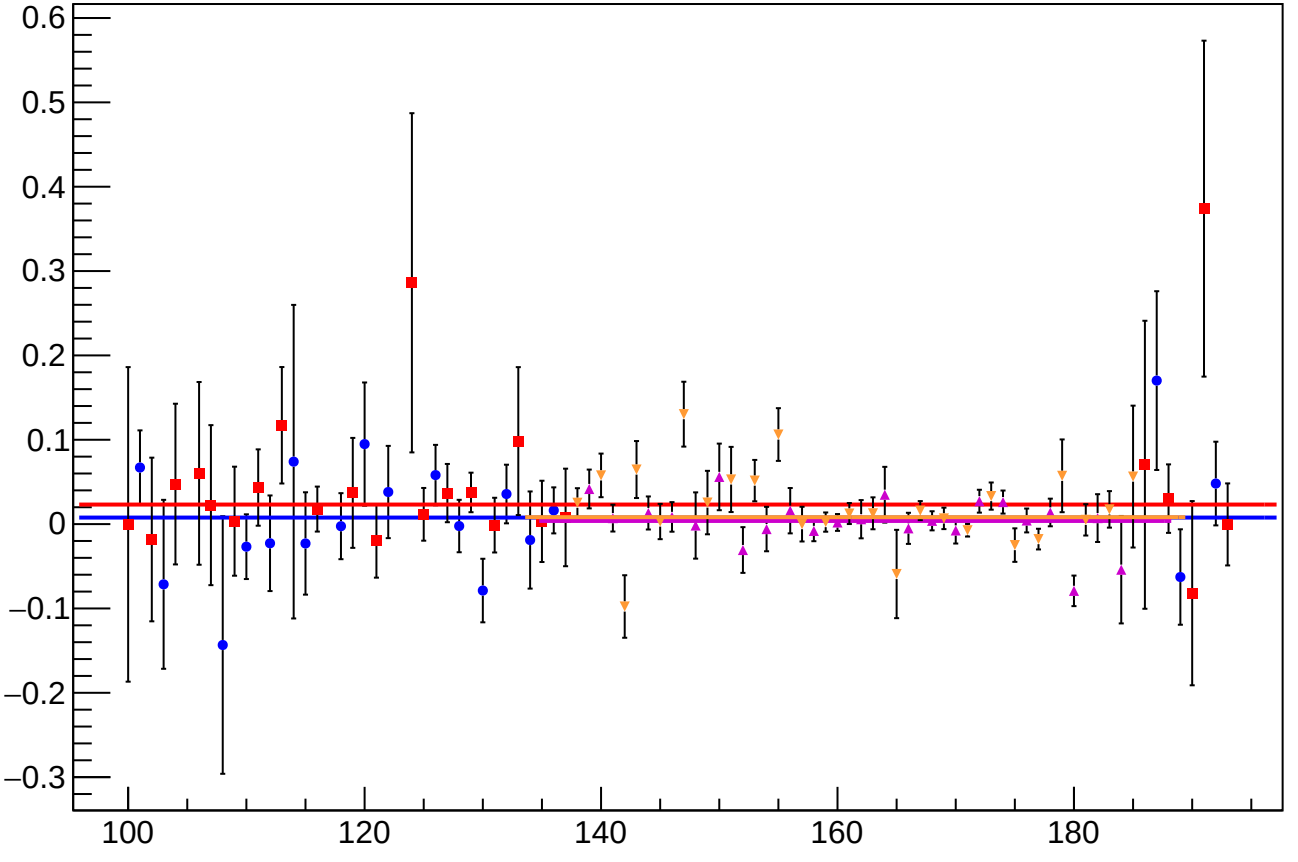
Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 23202876.4/43

All: 0.000+/-0.000 χ^2/NDF: 43581769.5/90

- sign 0.000+/-0.000 χ^2/NDF: 20212085.2/46

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: 0.023+/-0.010 χ^2/NDF: 11.9/23

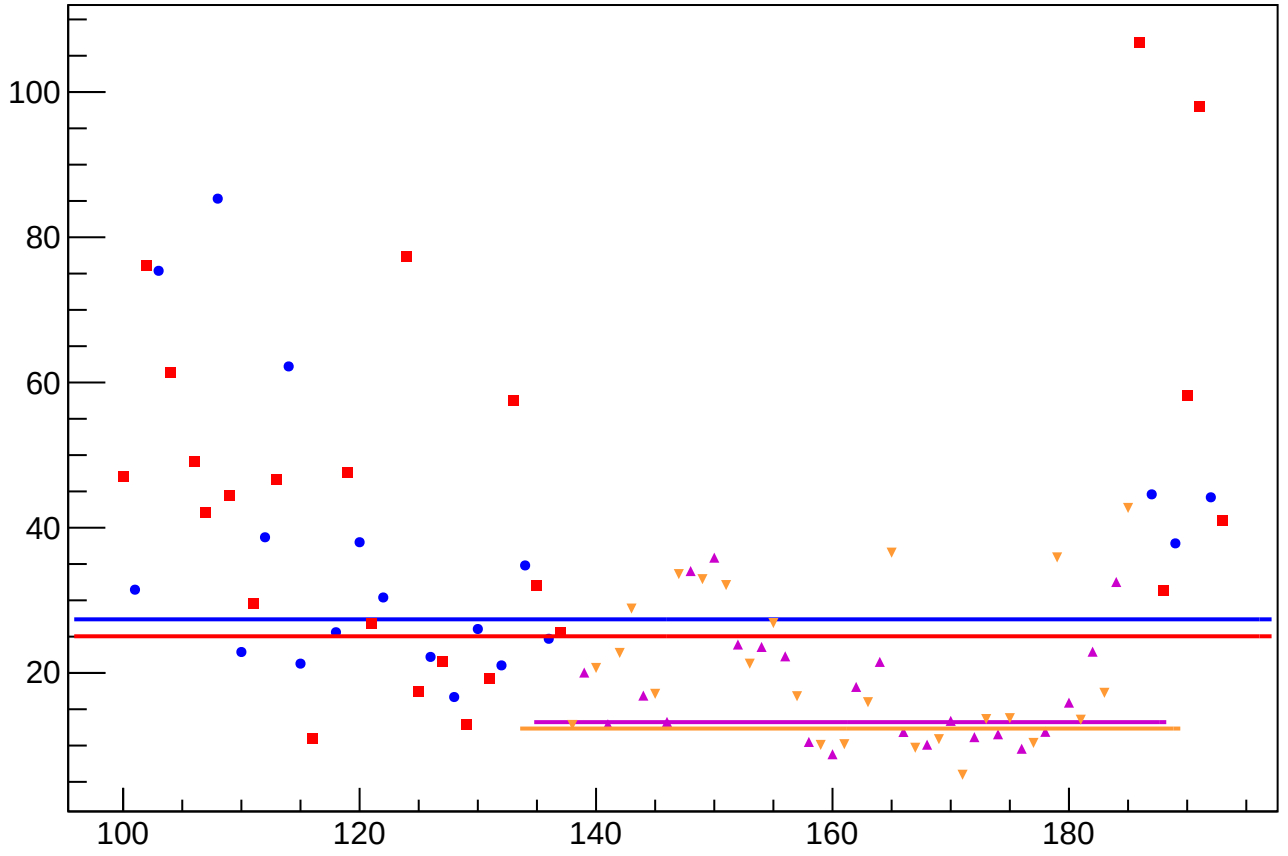
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.4/43

All: 0.007+/-0.002 χ^2/NDF: 131.1/90

- sign 0.006+/-0.003 χ^2/NDF: 52.5/46

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.383+/-0.007 χ^2/NDF: 1765707.9/18

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

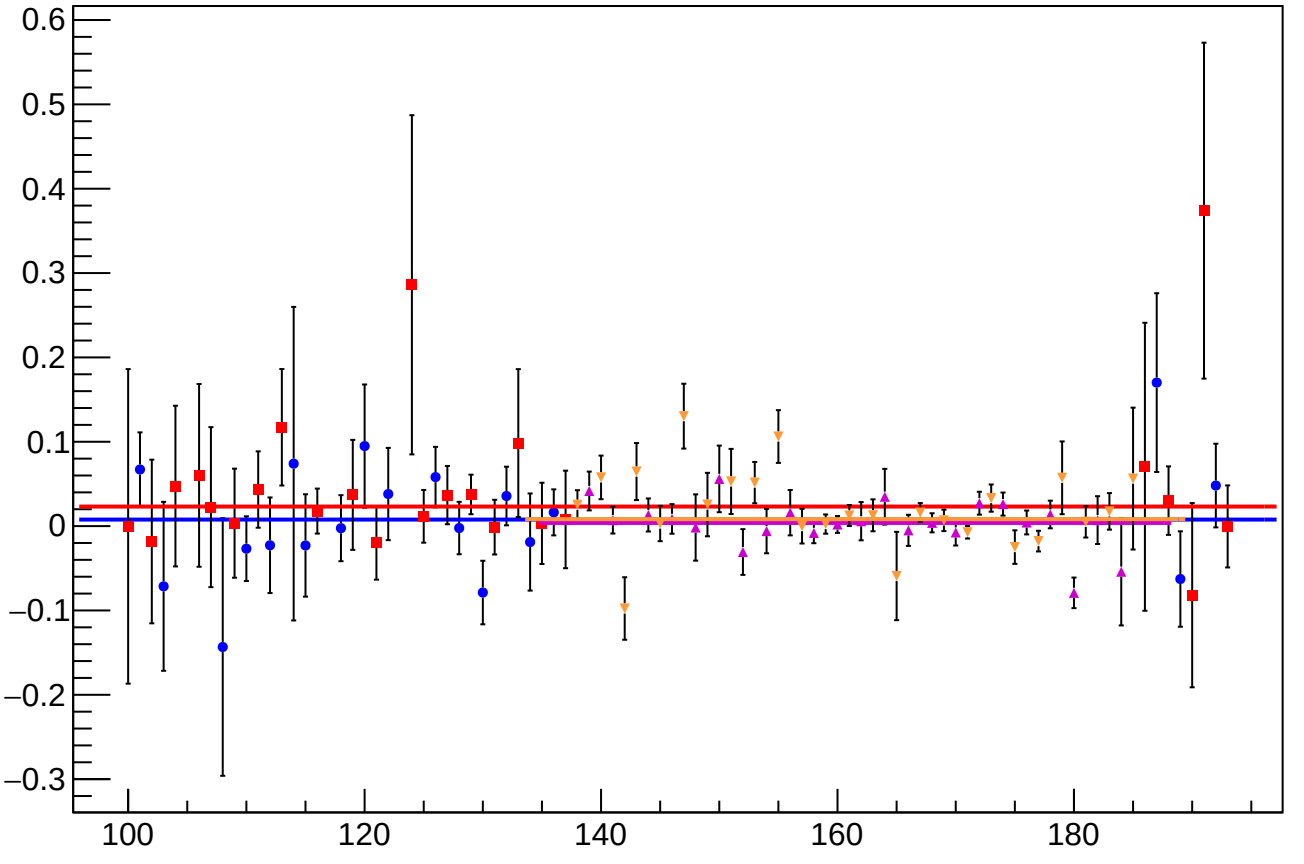
Right Out: 25.049+/-0.007 χ^2/NDF: 4605617.1/23

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.790+/-0.002 χ^2/NDF: 12158431.9/43

All: 14.196+/-0.002 χ^2/NDF: 23220156.8/90

- sign 14.633+/-0.002 χ^2/NDF: 10998302.4/46



Right In: 0.008+/-0.011 χ^2/NDF: 19.6/18

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

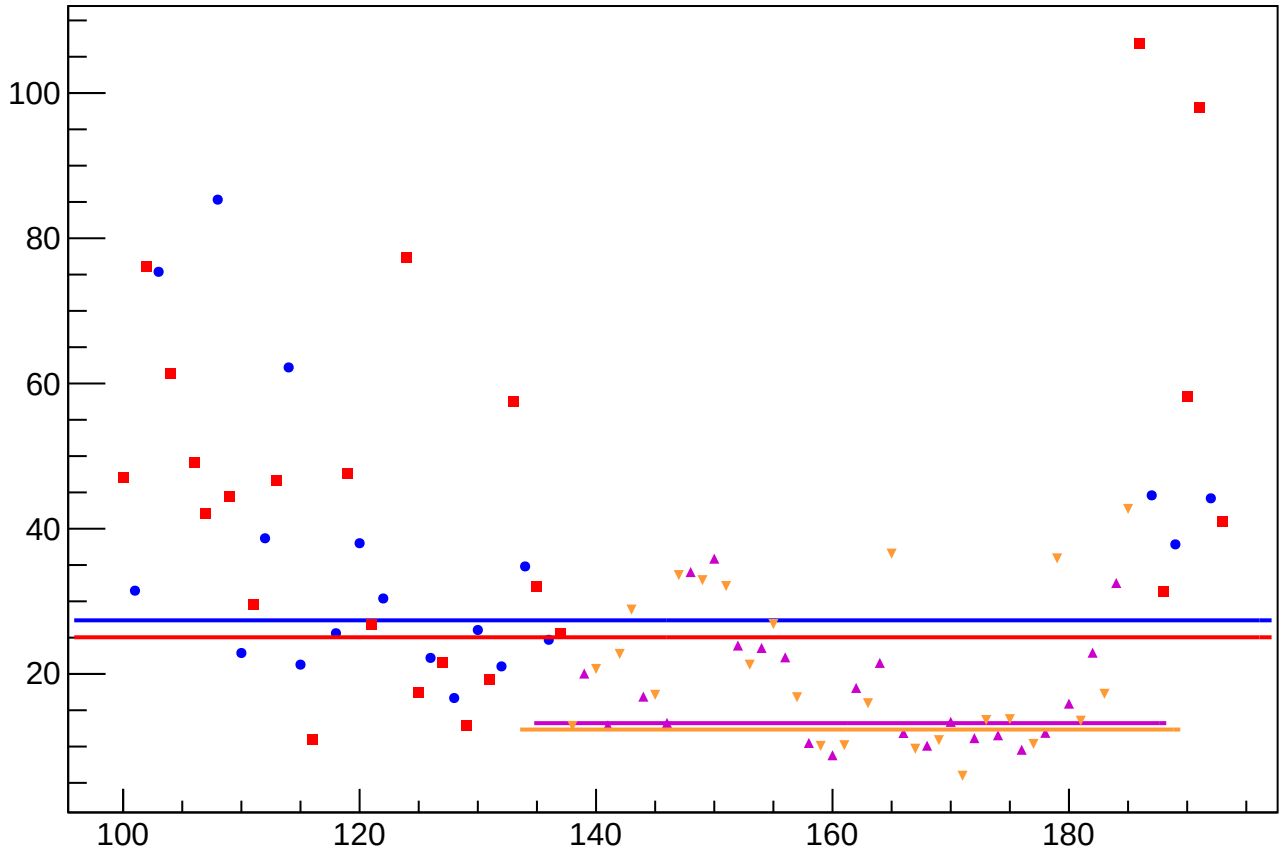
Right Out: 0.023+/-0.010 χ^2/NDF: 11.9/23

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: 131.1/90

- sign 0.006+/-0.003 χ^2/NDF: 52.5/46



Right In: 27.383+/-0.007 χ^2/NDF: 1765707.9/18

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

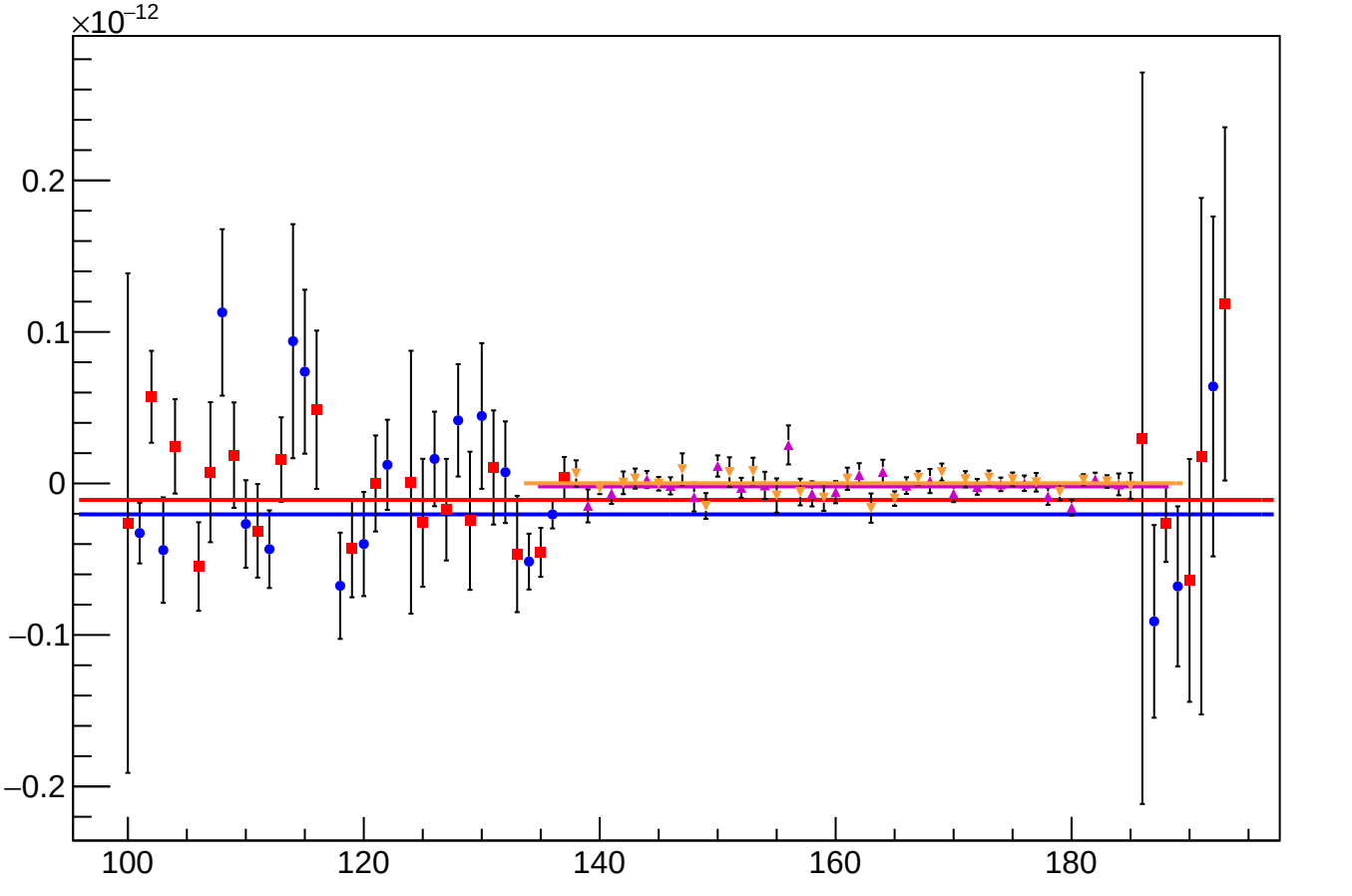
Right Out: 25.049+/-0.007 χ^2/NDF: 4605617.1/23

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.790+/-0.002 χ^2/NDF: 12158431.9/43

All: 14.196+/-0.002 χ^2/NDF: 23220156.8/90

- sign 14.633+/-0.002 χ^2/NDF: 10998302.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

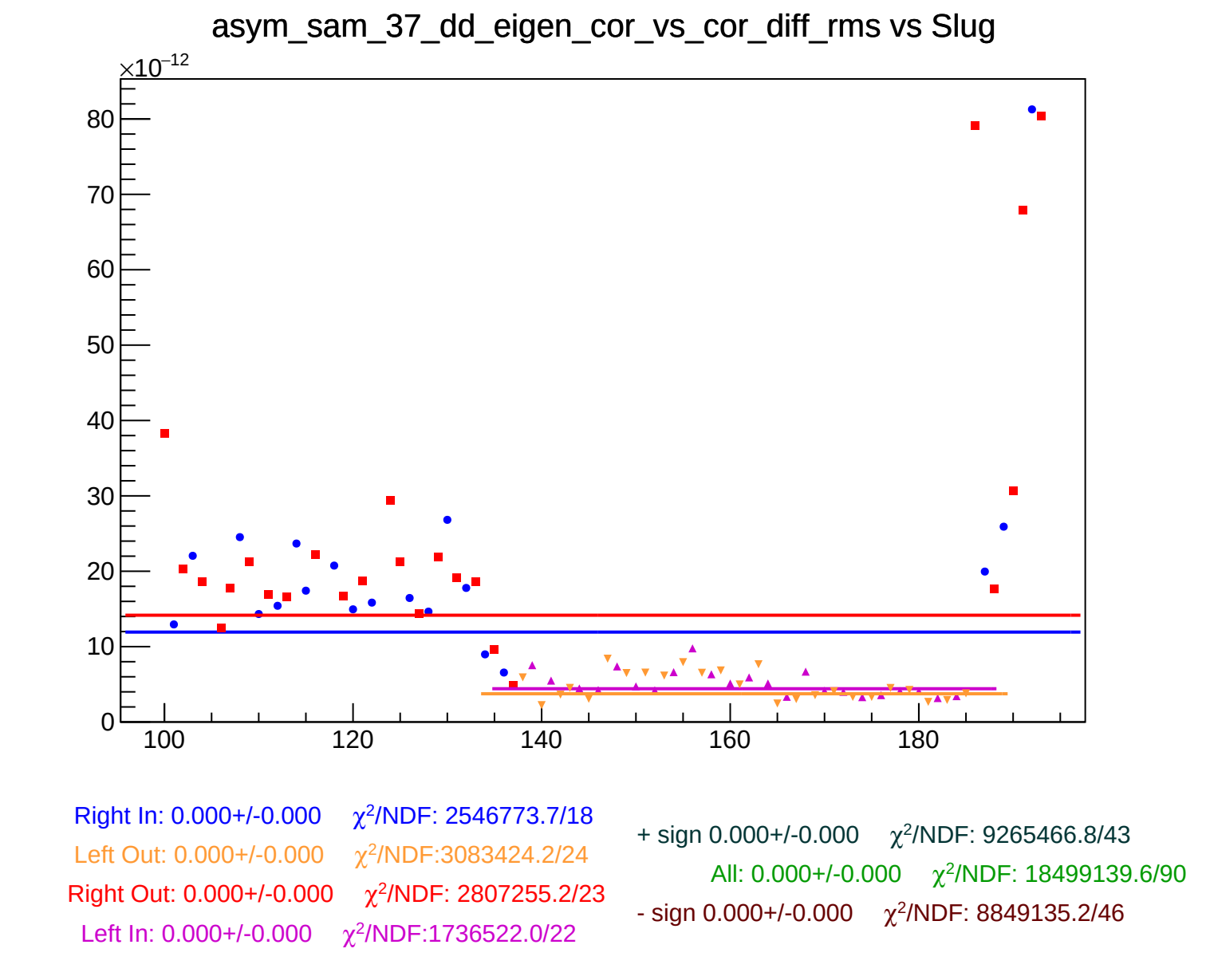
Right Out: -0.000+/-0.000 χ^2/NDF: 22.4/23

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

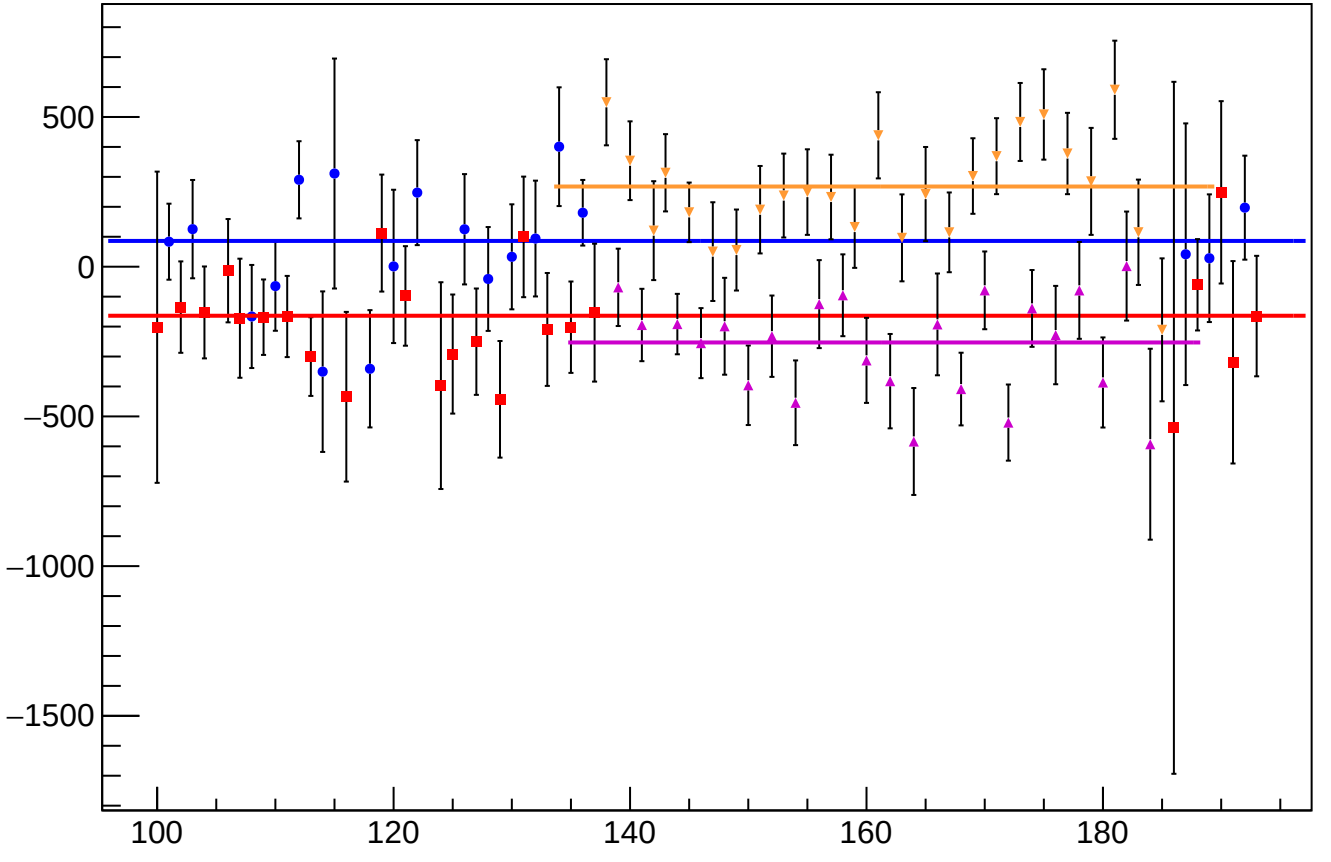
+ sign -0.000+/-0.000 χ^2/NDF: 61.3/43

All: -0.000+/-0.000 χ^2/NDF: 111.8/90

- sign -0.000+/-0.000 χ^2/NDF: 49.6/46


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
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: 2807255.2/23
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: 18499139.6/90
- sign 0.000+/-0.000 χ²/NDF: 8849135.2/46

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: -163.787+/-38.001 χ^2/NDF: 12.6/23

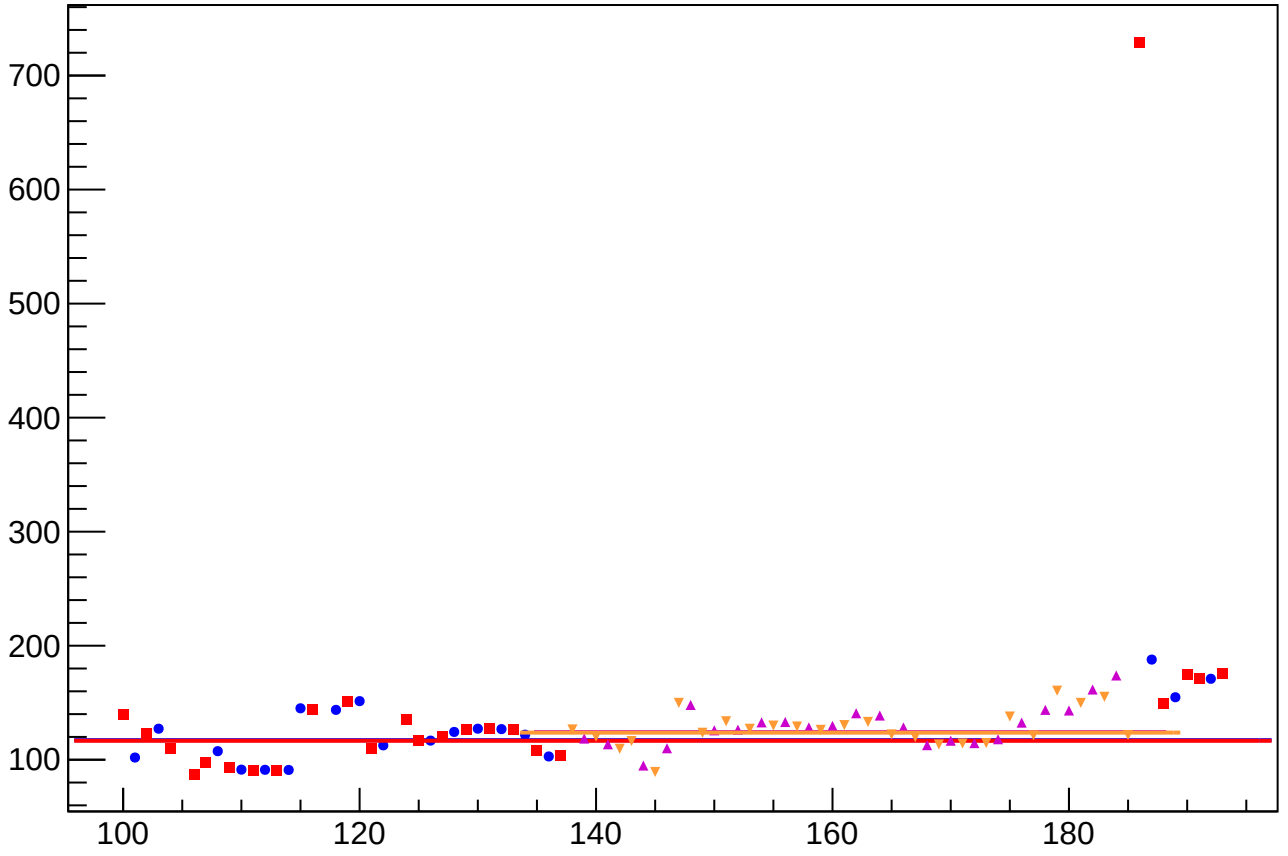
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 206.944+/-23.169 χ^2/NDF: 63.6/43

All: -6.023+/-16.397 χ^2/NDF: 275.1/90

- sign -219.750+/-23.210 χ^2/NDF: 42.2/46

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: 116.654+/-0.027 χ^2/NDF: 1381605.4/23

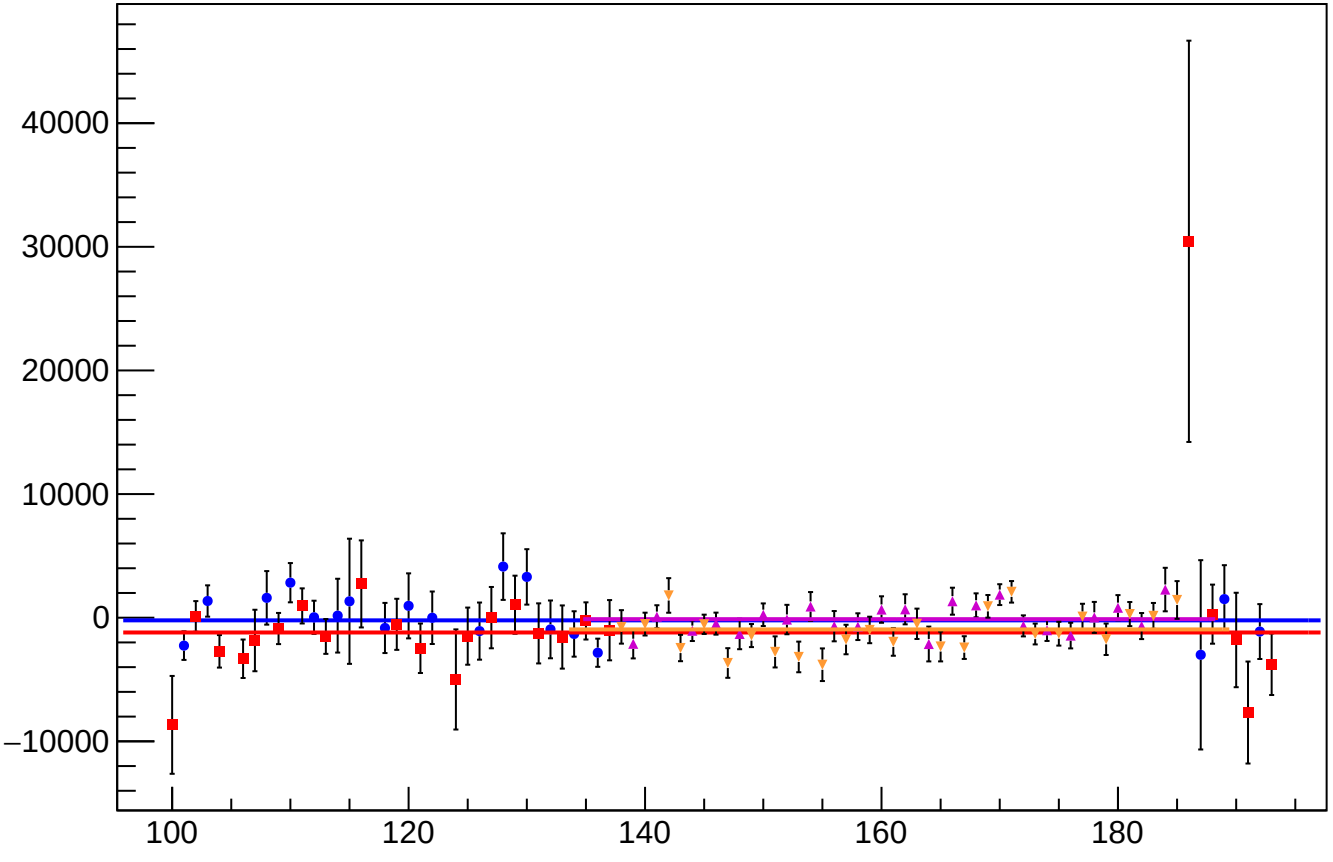
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 121.581+/-0.016 χ^2/NDF: 1279555.7/43

All: 121.502+/-0.012 χ^2/NDF: 3268635.3/90

- sign 121.422+/-0.016 χ^2/NDF: 1989032.7/46

asym_sam_48_dd_reg_correction_mean vs Slug



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: -1196.335+/-406.383 χ^2/NDF: 22.3/23

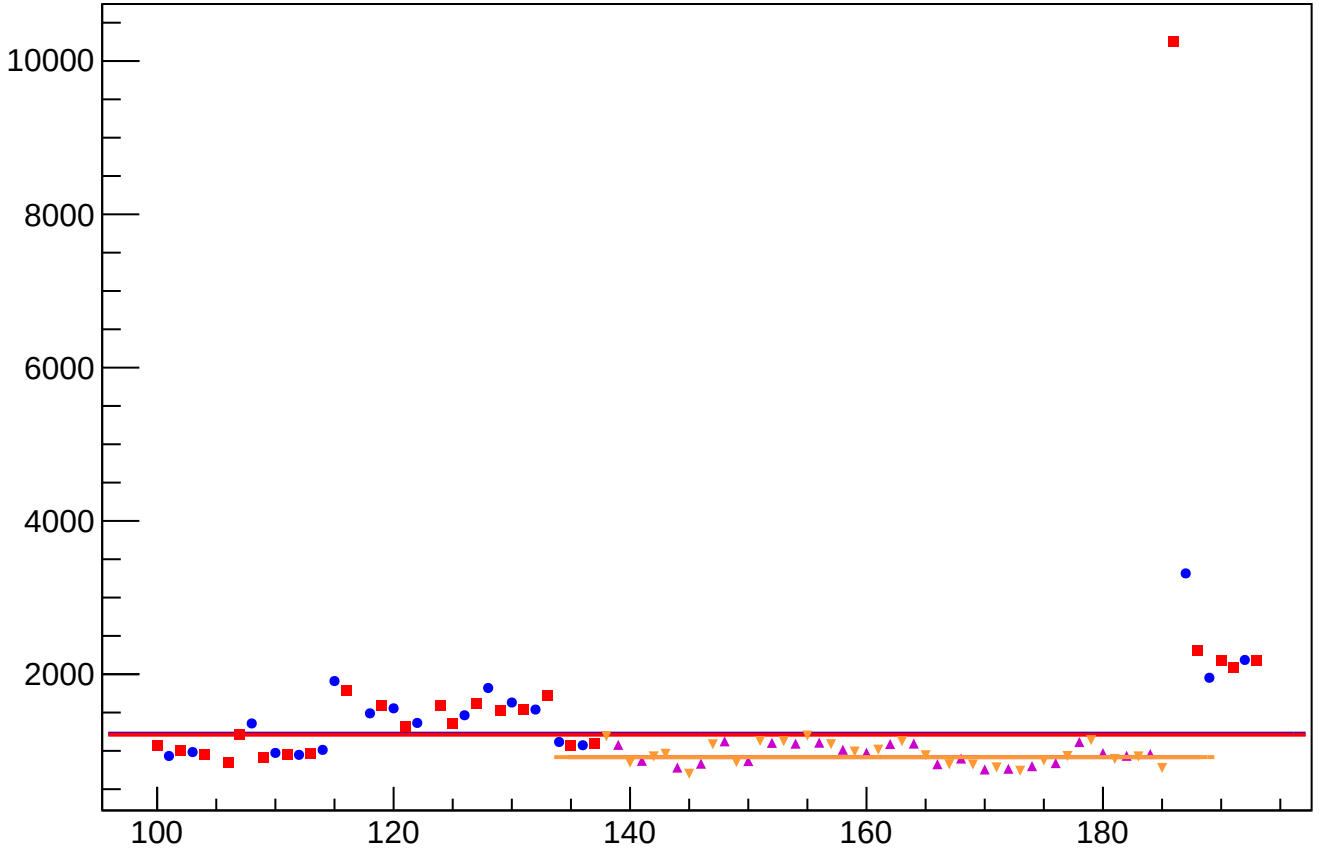
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -804.240+/-189.935 χ^2/NDF: 73.8/43

All: -582.925+/-134.866 χ^2/NDF: 128.7/90

- sign -357.871+/-191.533 χ^2/NDF: 52.2/46

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: 1211.373+/-0.287 χ^2/NDF: 2437164.5/23

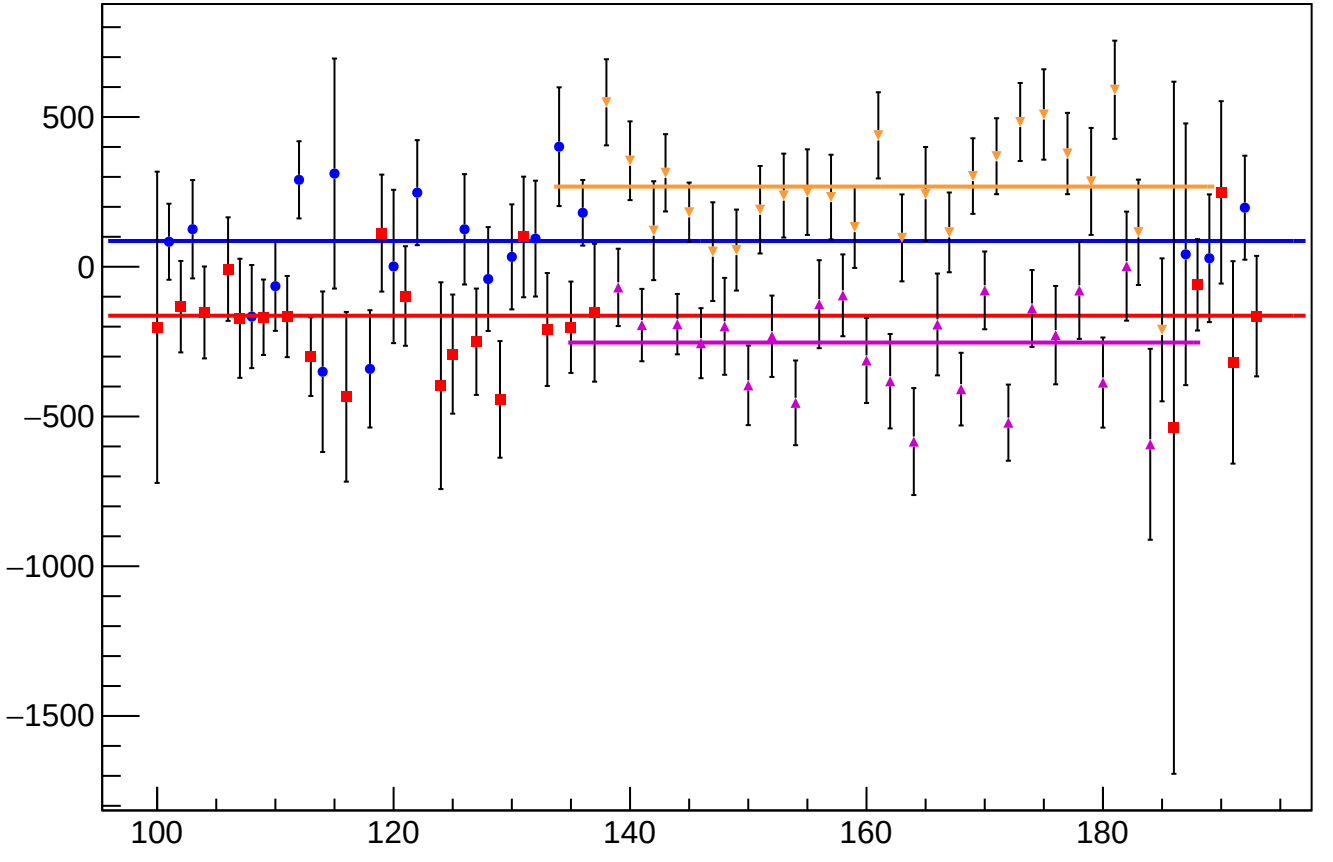
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 978.345+/-0.134 χ^2/NDF: 3096017.5/43

All: 980.819+/-0.095 χ^2/NDF: 7009725.2/90

- sign 983.334+/-0.135 χ^2/NDF: 3913023.4/46

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: -163.441+/-38.006 χ^2/NDF: 12.6/23

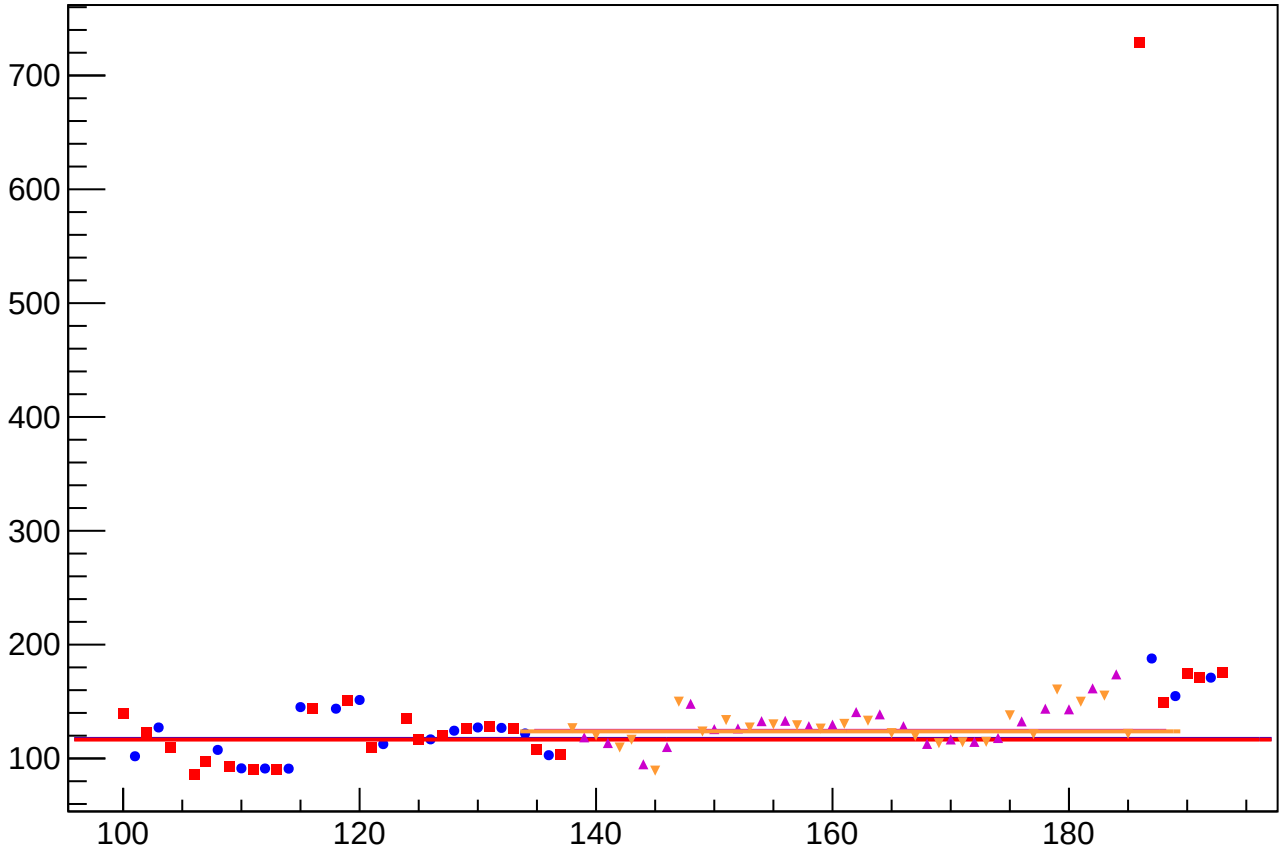
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 206.946+/-23.169 χ^2/NDF: 63.6/43

All: -5.952+/-16.398 χ^2/NDF: 275.0/90

- sign -219.628+/-23.211 χ^2/NDF: 42.3/46

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: 116.607+/-0.027 χ^2/NDF: 1386072.6/23

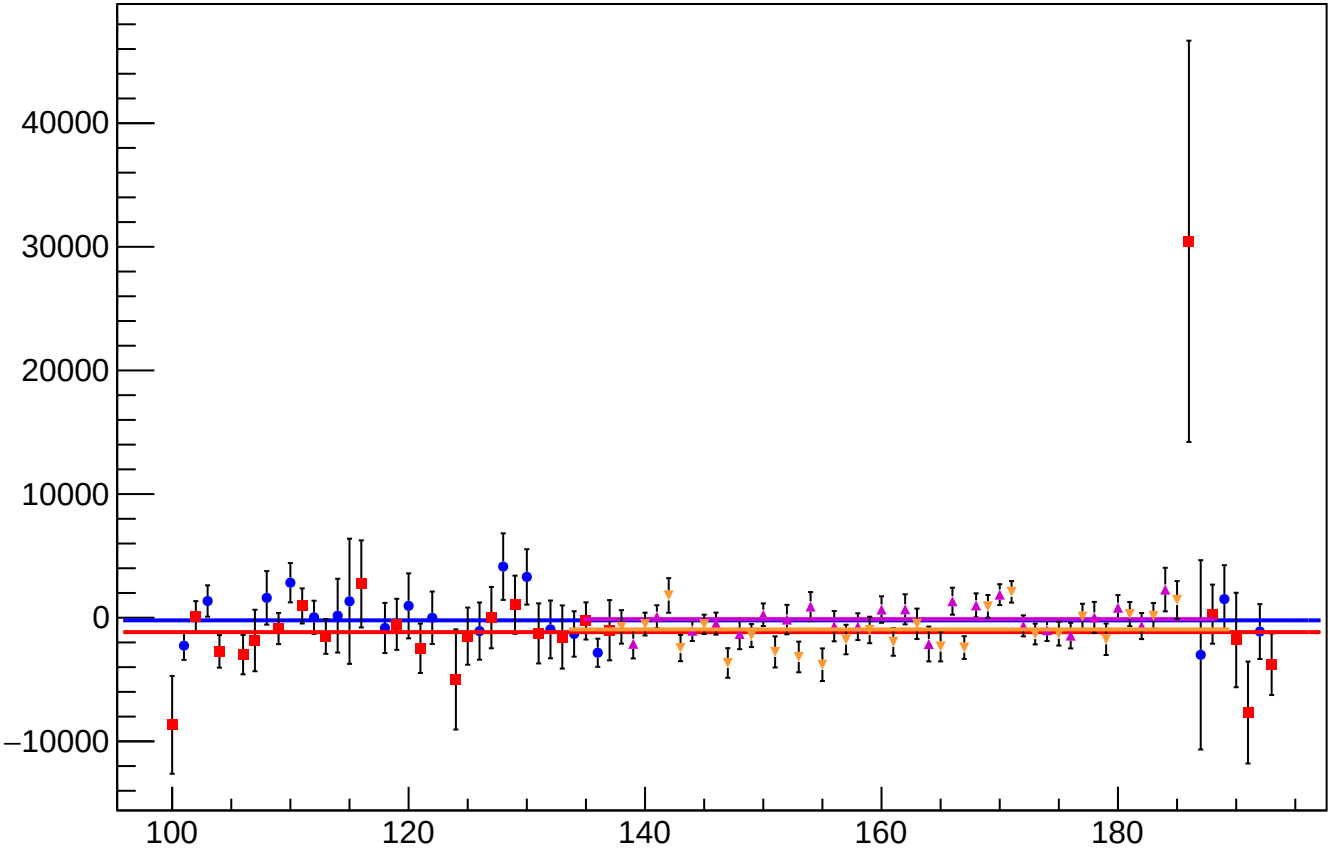
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 121.581+/-0.016 χ^2/NDF: 1279556.1/43

All: 121.493+/-0.012 χ^2/NDF: 3273732.3/90

- sign 121.405+/-0.016 χ^2/NDF: 1994118.5/46

asym_sam_48_dd_cor_correction_mean vs Slug



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: -1168.219+/-407.035 χ^2/NDF: 21.7/23

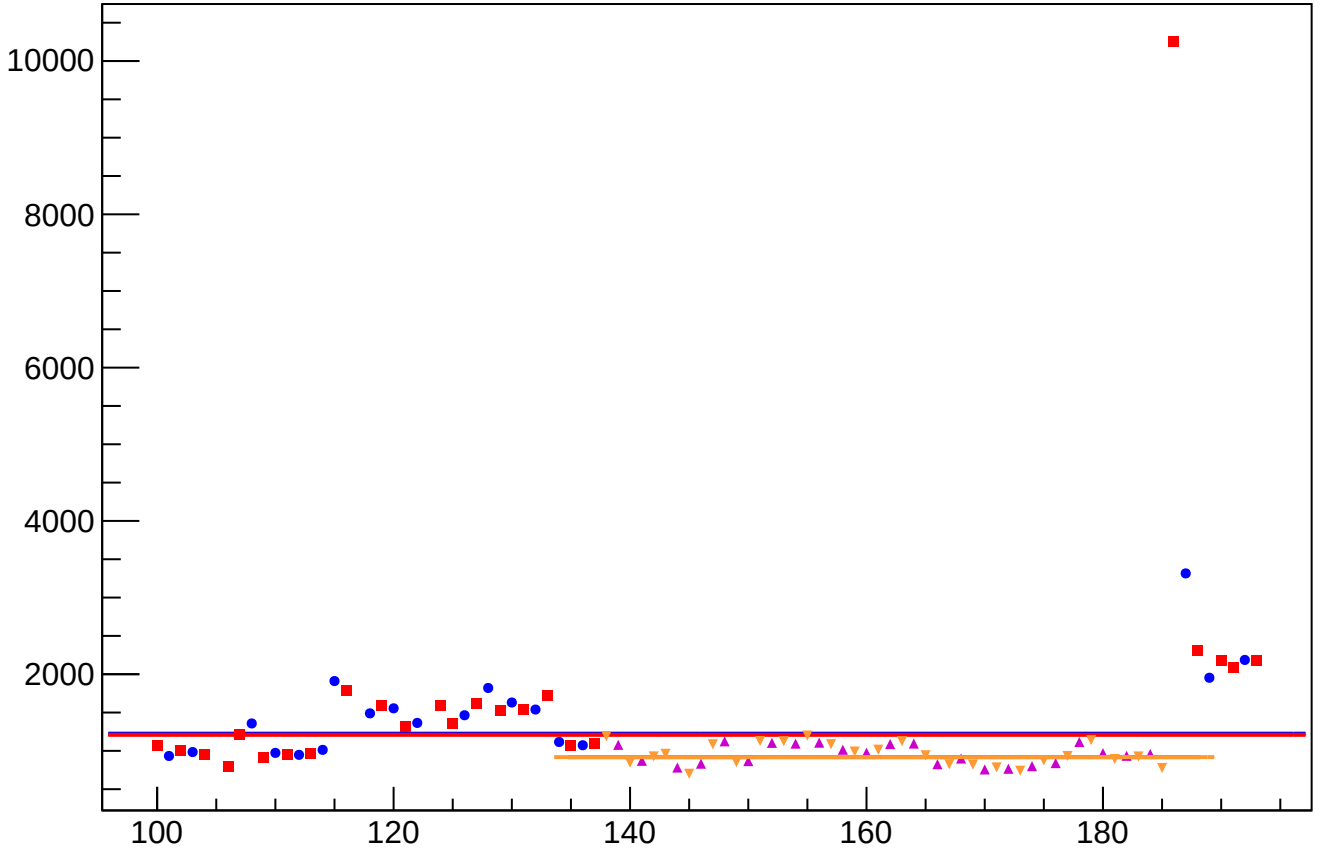
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -804.248+/-189.935 χ^2/NDF: 73.8/43

All: -579.626+/-134.890 χ^2/NDF: 127.8/90

- sign -351.047+/-191.601 χ^2/NDF: 51.3/46

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: 1209.265+/-0.288 χ^2/NDF: 2462939.1/23

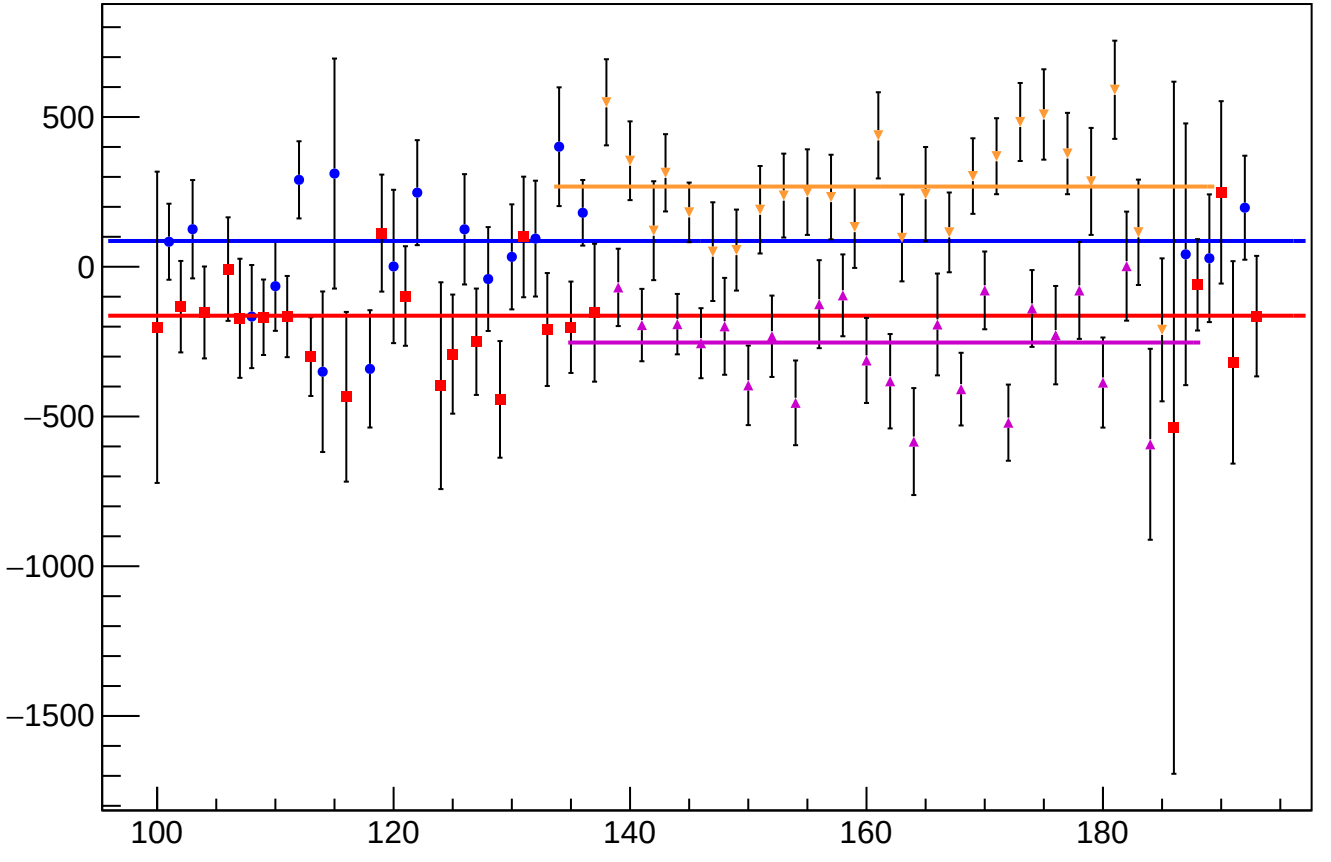
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 978.346+/-0.134 χ^2/NDF: 3096016.8/43

All: 980.507+/-0.095 χ^2/NDF: 7021751.5/90

- sign 982.705+/-0.135 χ^2/NDF: 3925212.6/46

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: -163.441+/-38.006 χ^2/NDF: 12.6/23

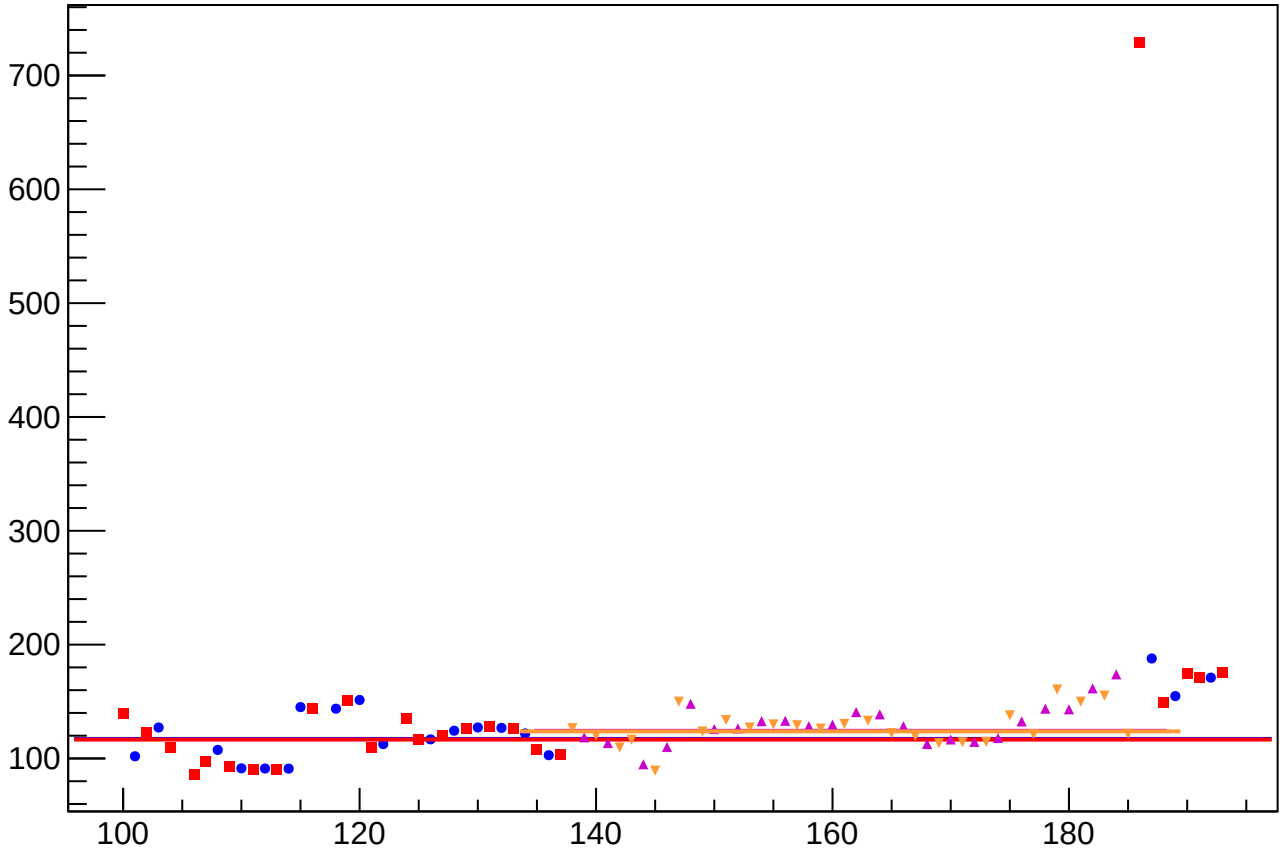
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 206.946+/-23.169 χ^2/NDF: 63.6/43

All: -5.952+/-16.398 χ^2/NDF: 275.0/90

- sign -219.628+/-23.211 χ^2/NDF: 42.3/46

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

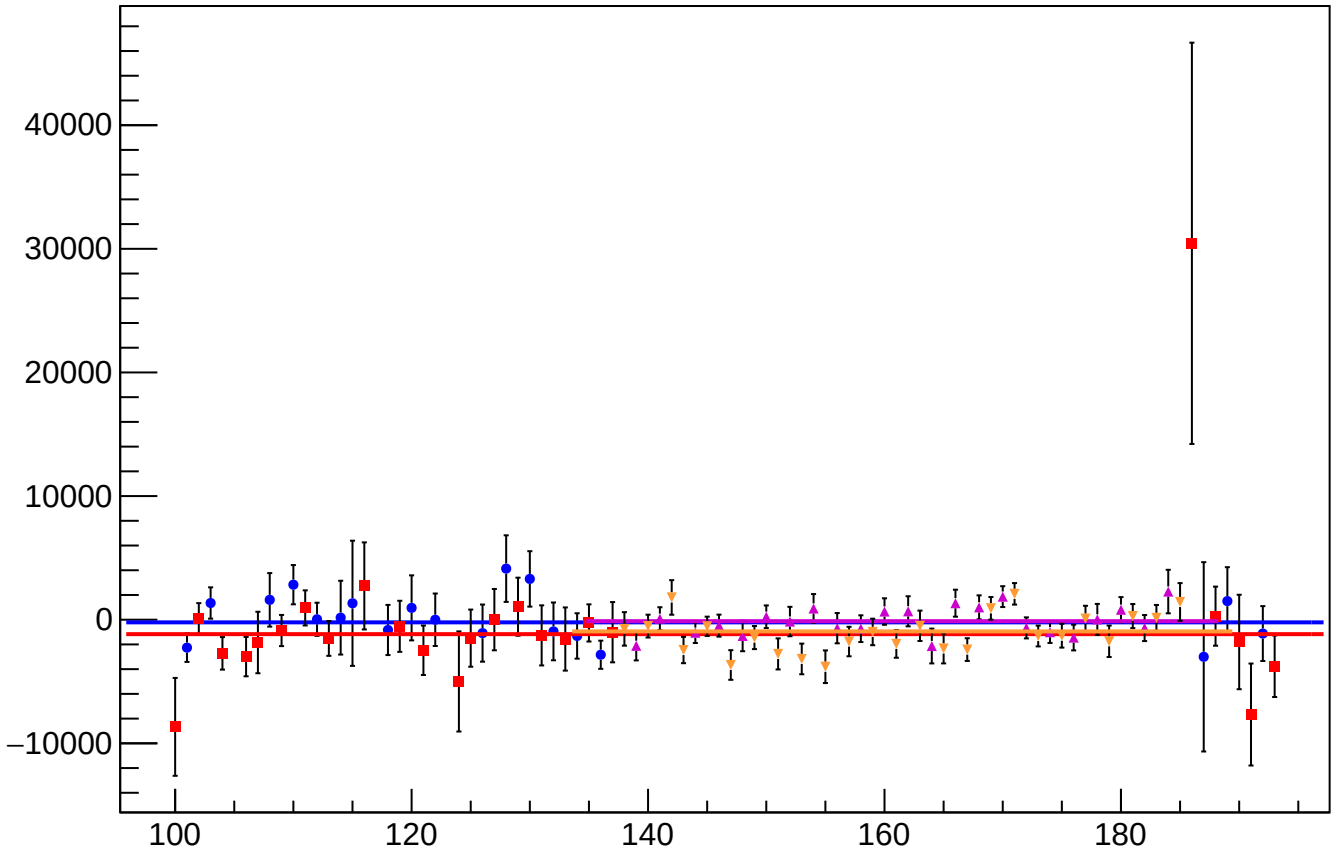
Right Out: 116.607+/-0.027 χ^2/NDF: 1386072.6/23

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 121.581+/-0.016 χ^2/NDF: 1279556.1/43

All: 121.493+/-0.012 χ^2/NDF: 3273732.3/90

- sign 121.405+/-0.016 χ^2/NDF: 1994118.5/46



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: -1168.219+/-407.035 χ^2/NDF: 21.7/23

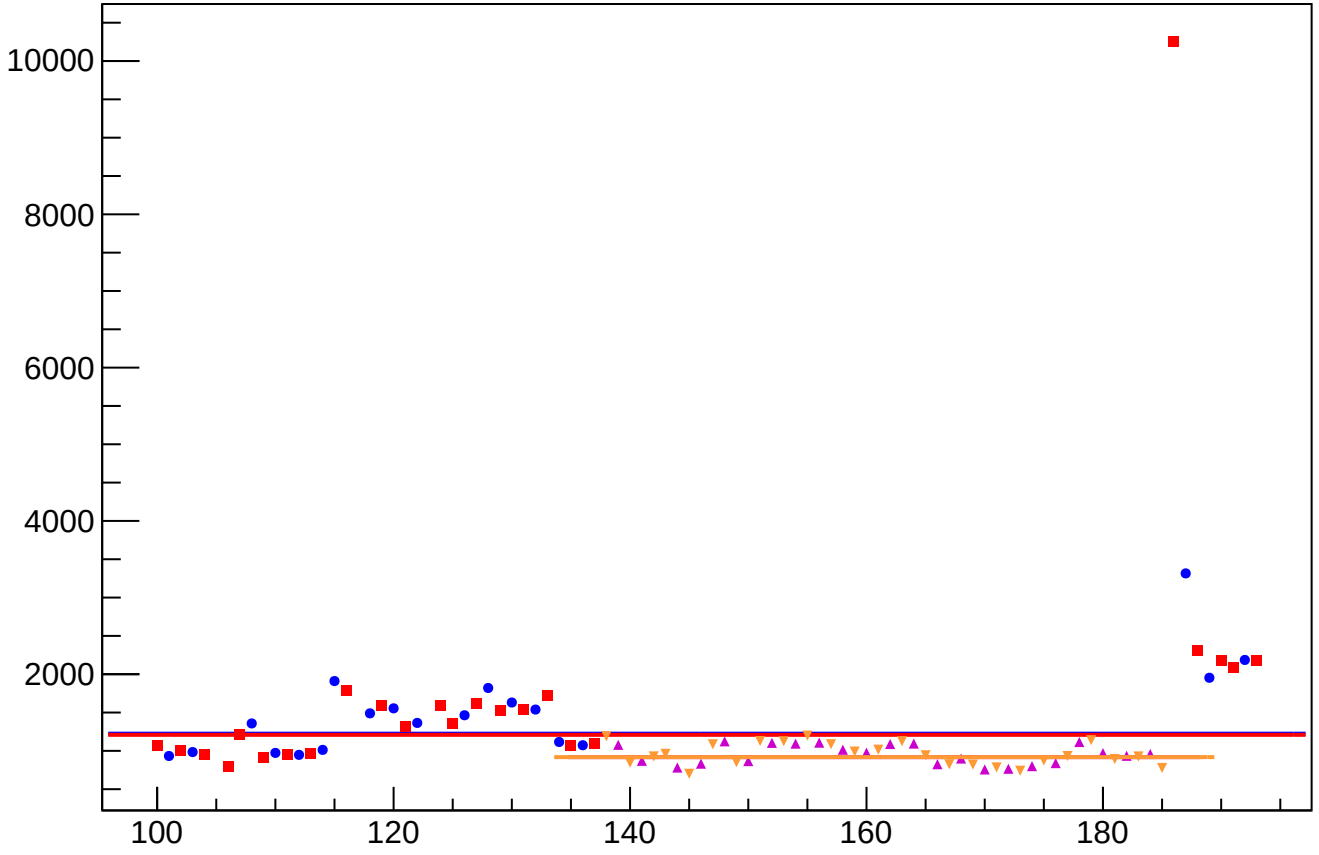
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -804.248+/-189.935 χ^2/NDF: 73.8/43

All: -579.626+/-134.890 χ^2/NDF: 127.8/90

- sign -351.047+/-191.601 χ^2/NDF: 51.3/46

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: 1209.265+/-0.288 χ^2/NDF: 2462939.1/23

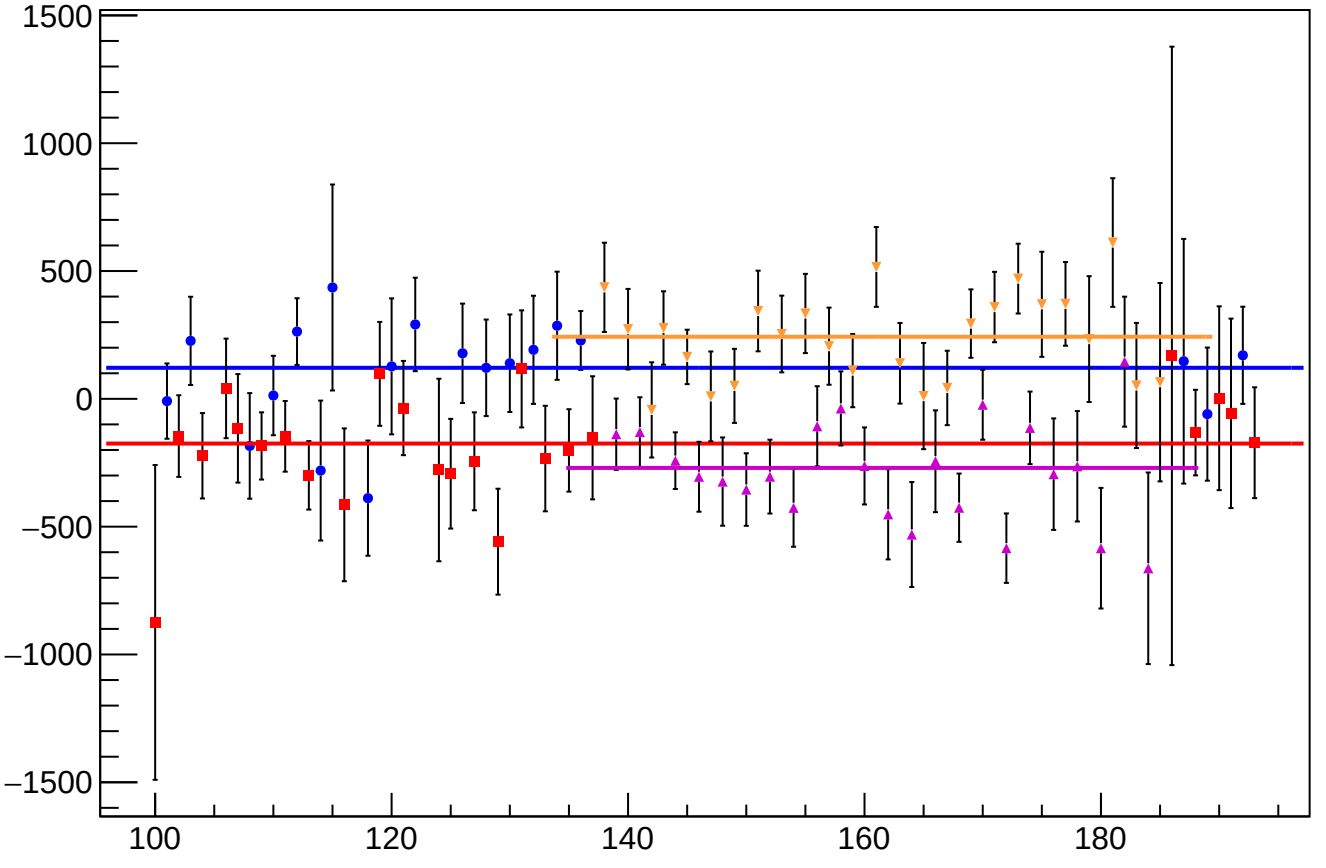
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 978.346+/-0.134 χ^2/NDF: 3096016.8/43

All: 980.507+/-0.095 χ^2/NDF: 7021751.5/90

- sign 982.705+/-0.135 χ^2/NDF: 3925212.6/46

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: -174.872+/-40.559 χ^2/NDF: 12.8/23

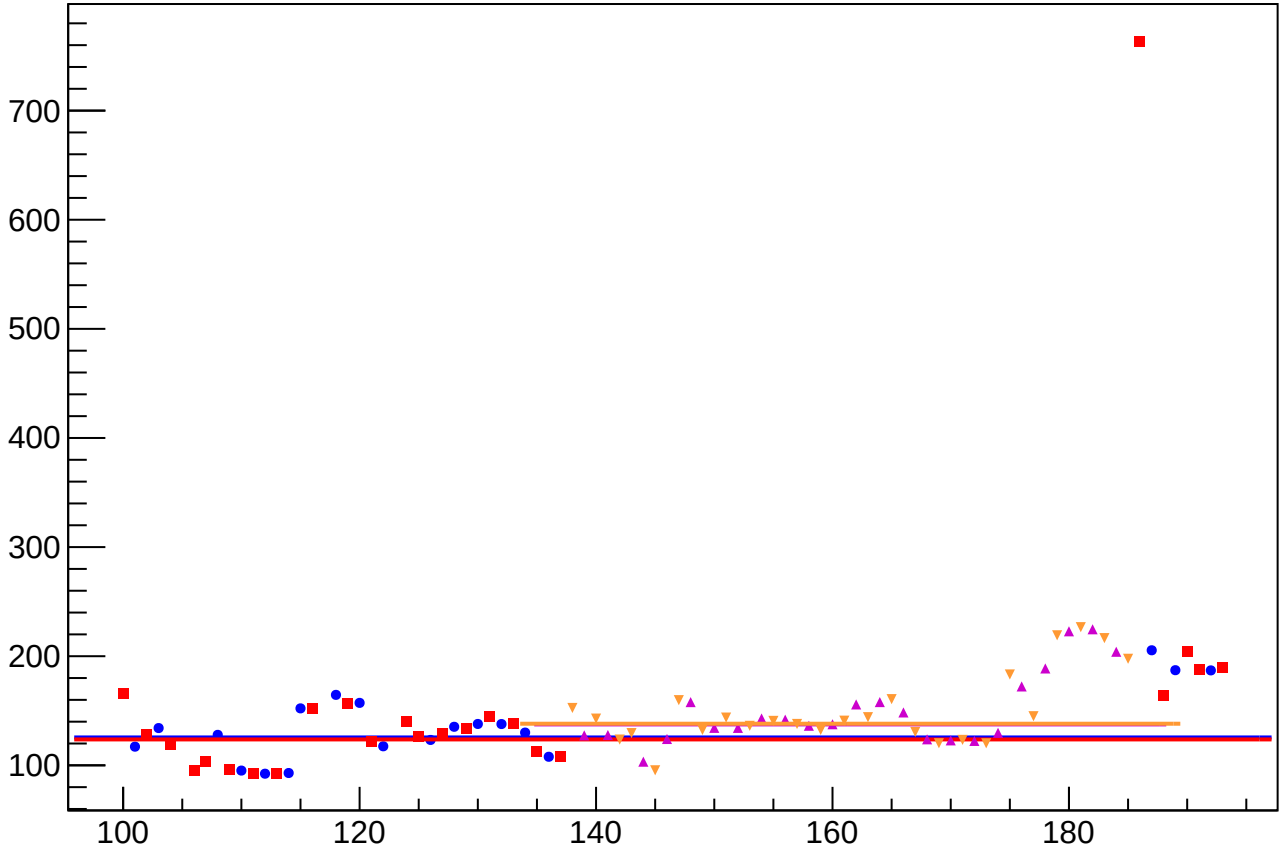
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 199.636+/-25.789 χ^2/NDF: 44.7/43

All: -18.416+/-18.150 χ^2/NDF: 229.2/90

- sign -232.404+/-25.548 χ^2/NDF: 42.9/46

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: 123.740+/-0.029 χ^2/NDF: 1513295.5/23

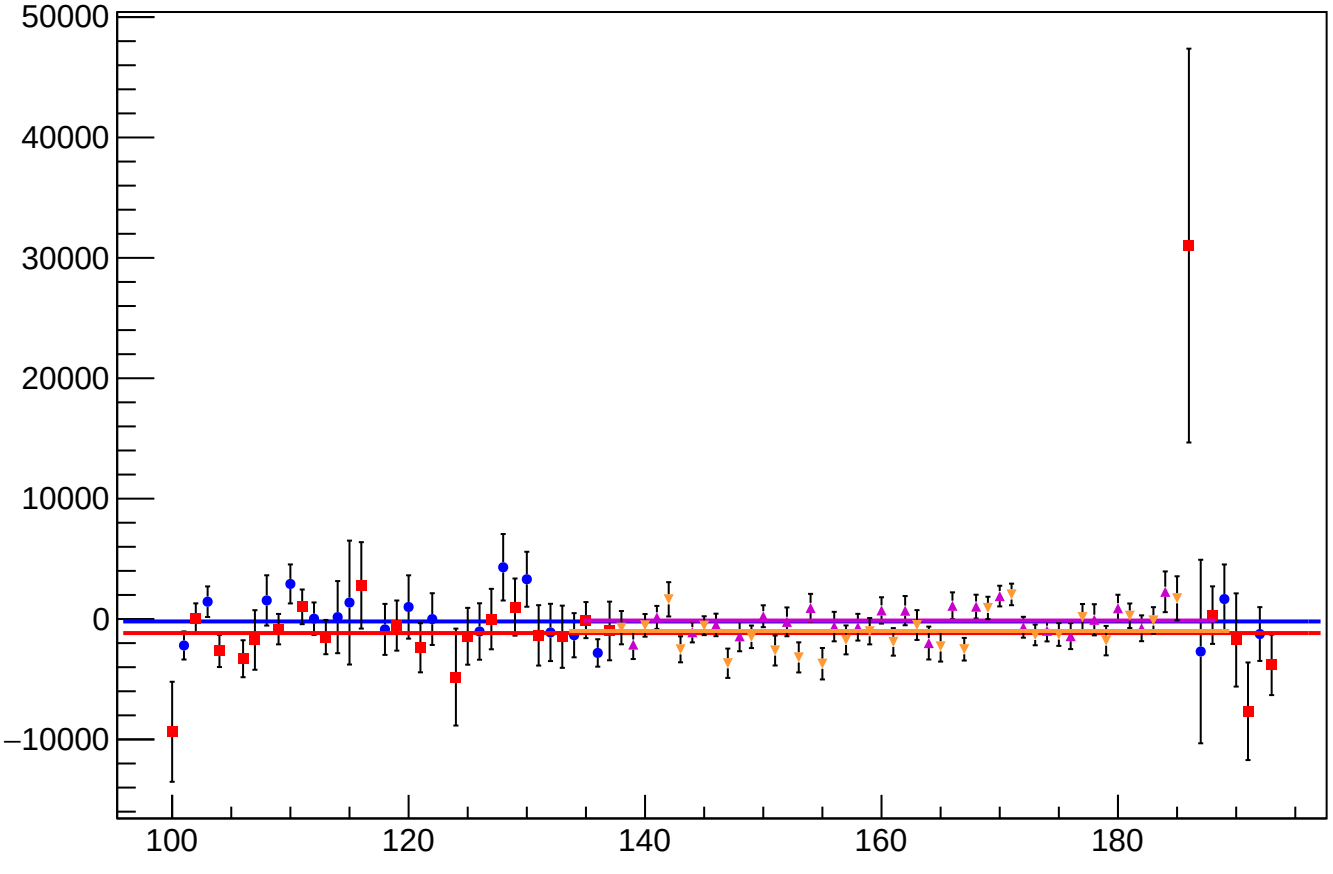
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 133.648+/-0.018 χ^2/NDF: 2240298.8/43

All: 132.834+/-0.013 χ^2/NDF: 5005553.7/90

- sign 132.035+/-0.018 χ^2/NDF: 2761307.5/46

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: -1164.899+/-409.051 χ^2/NDF: 22.6/23

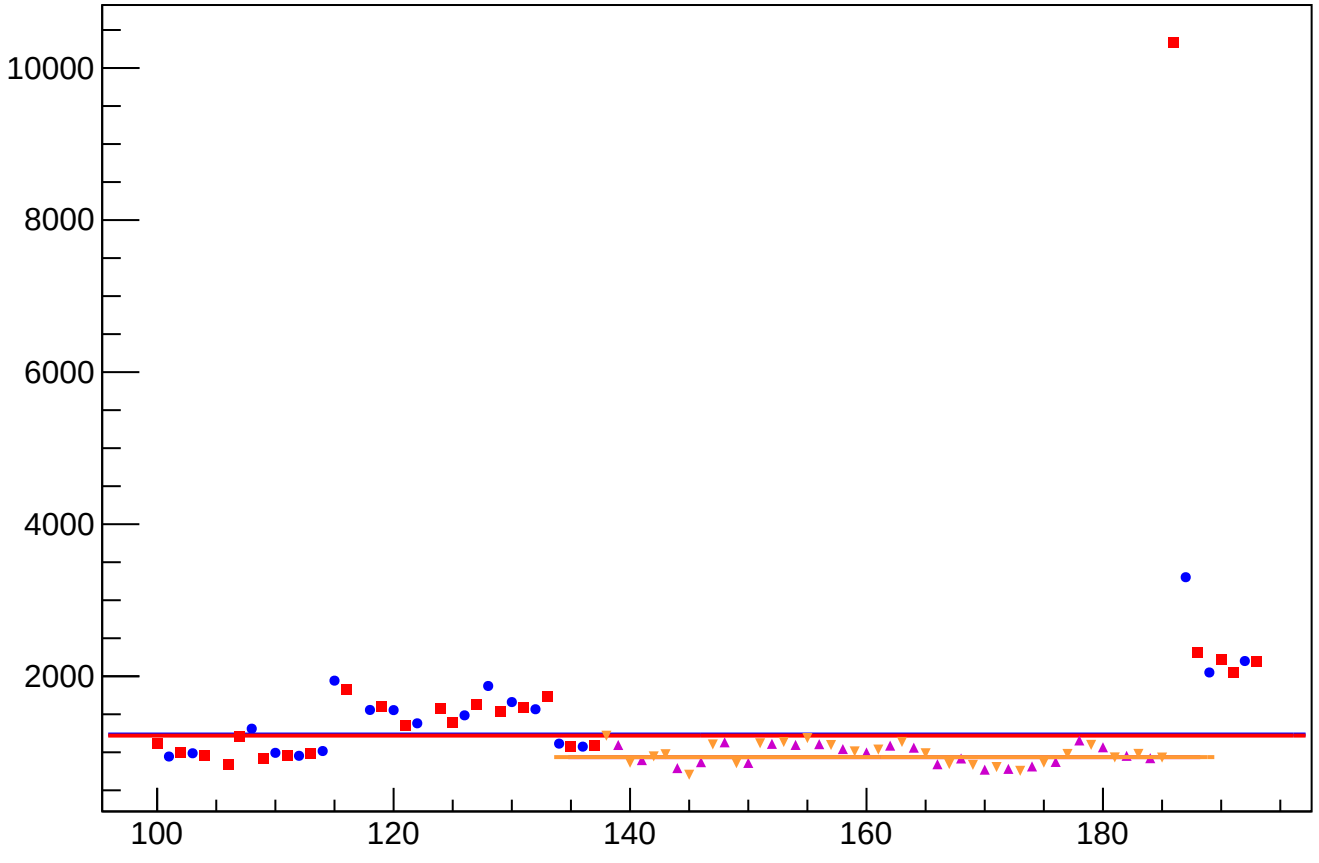
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -835.632+/-193.028 χ^2/NDF: 70.8/43

All: -600.075+/-137.074 χ^2/NDF: 125.2/90

- sign -360.453+/-194.686 χ^2/NDF: 51.4/46

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: 1219.672+/-0.289 χ^2/NDF: 2458600.0/23

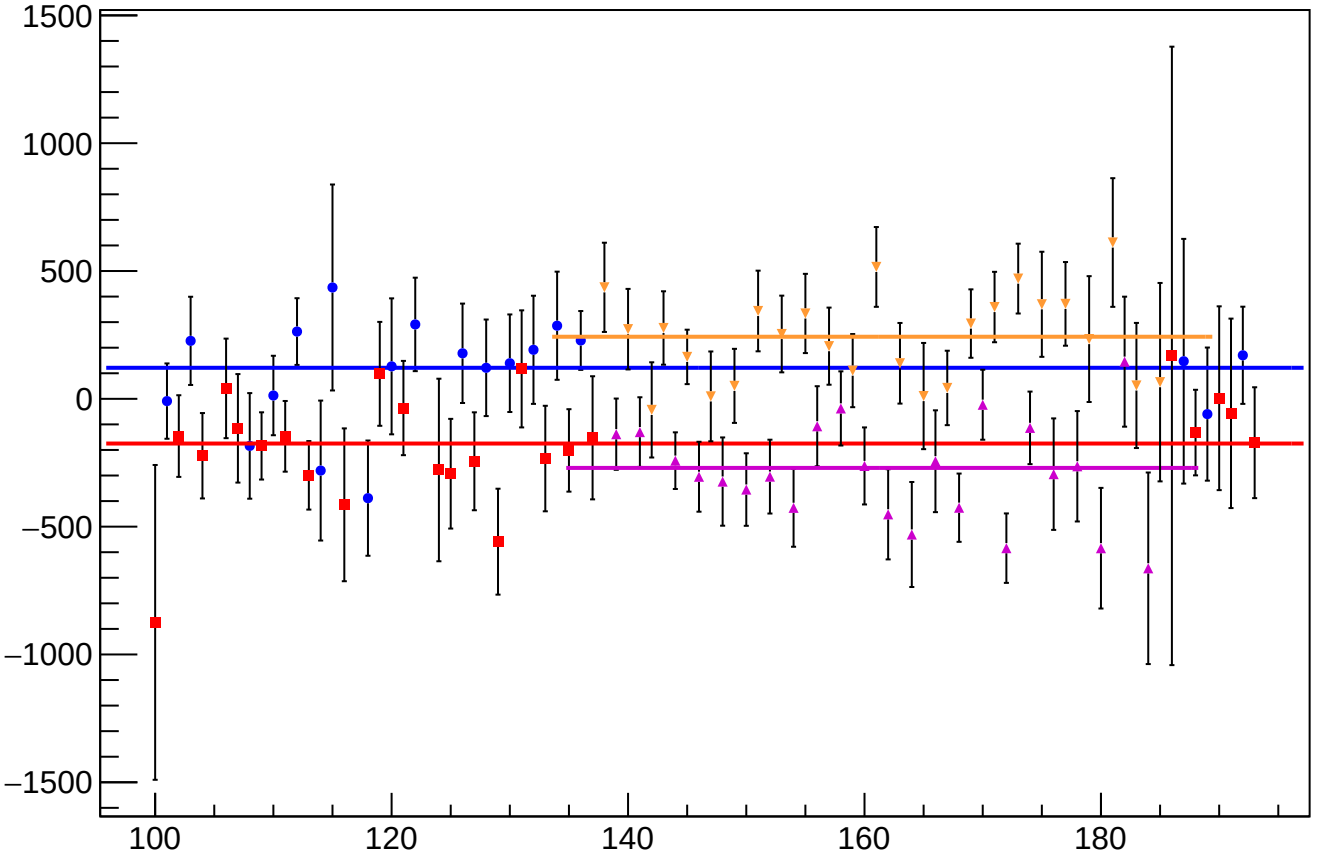
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 995.789+/-0.136 χ^2/NDF: 3022163.1/43

All: 998.150+/-0.097 χ^2/NDF: 6866091.1/90

- sign 1000.553+/-0.138 χ^2/NDF: 3843324.0/46

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: -174.872+/-40.559 χ^2/NDF: 12.8/23

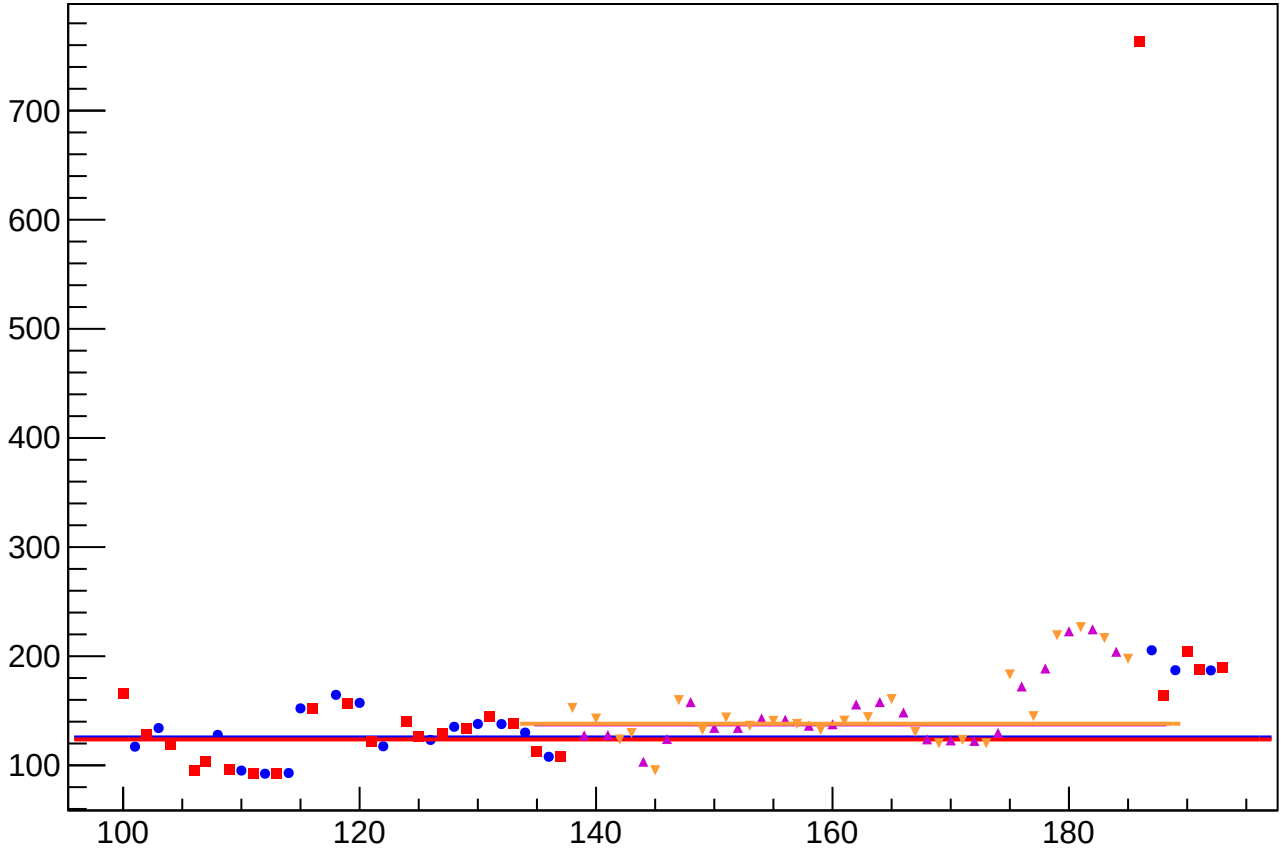
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 199.638+/-25.789 χ^2/NDF: 44.7/43

All: -18.415+/-18.150 χ^2/NDF: 229.2/90

- sign -232.404+/-25.548 χ^2/NDF: 42.9/46

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: 123.740+/-0.029 χ^2/NDF: 1513300.6/23

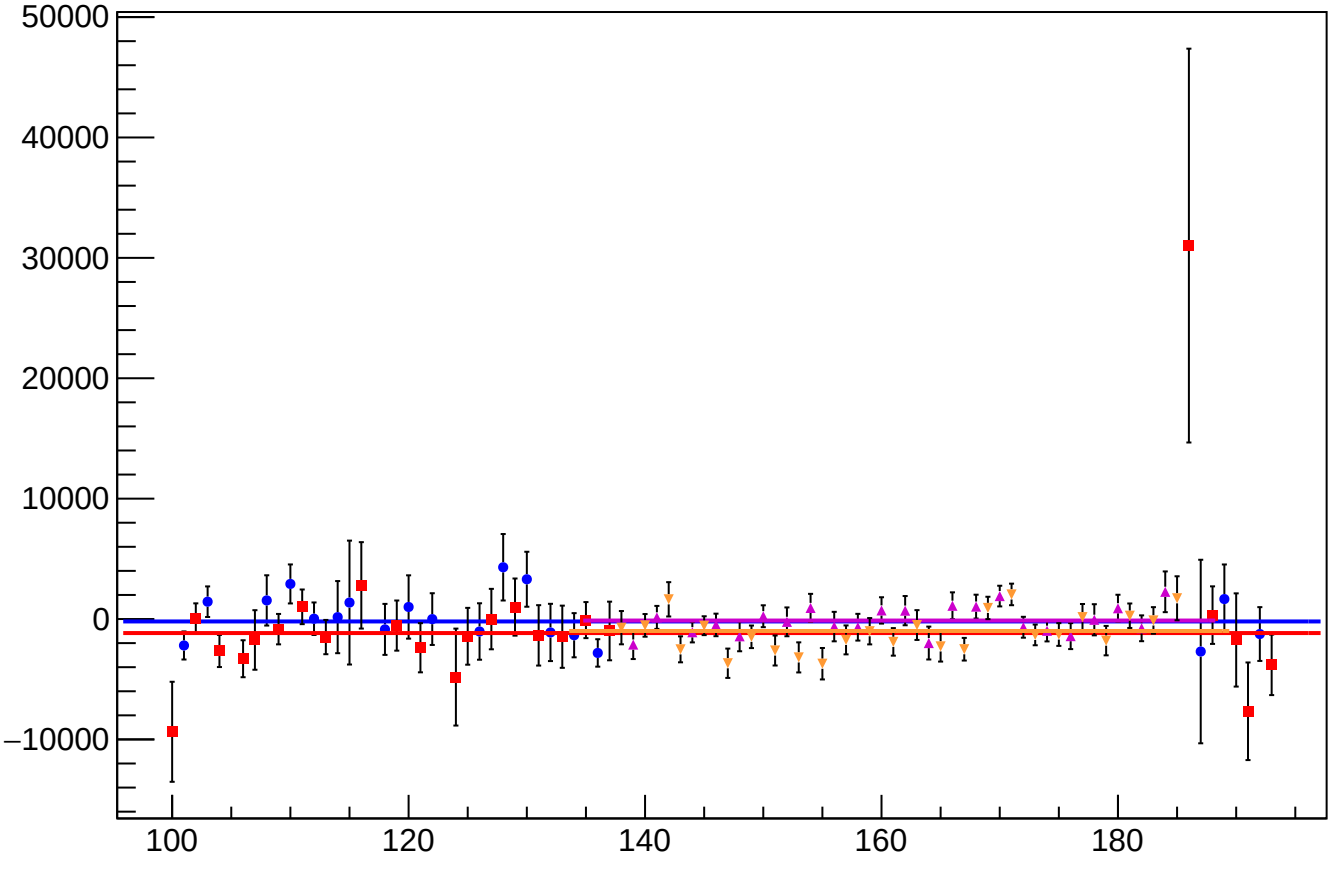
Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 133.648+/-0.018 χ^2/NDF: 2240298.0/43

All: 132.834+/-0.013 χ^2/NDF: 5005544.8/90

- sign 132.035+/-0.018 χ^2/NDF: 2761299.2/46

asym_sam_48_dd_eigen_dit_correction_mean vs Slug



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: -1164.899+/-409.051 χ^2/NDF: 22.6/23

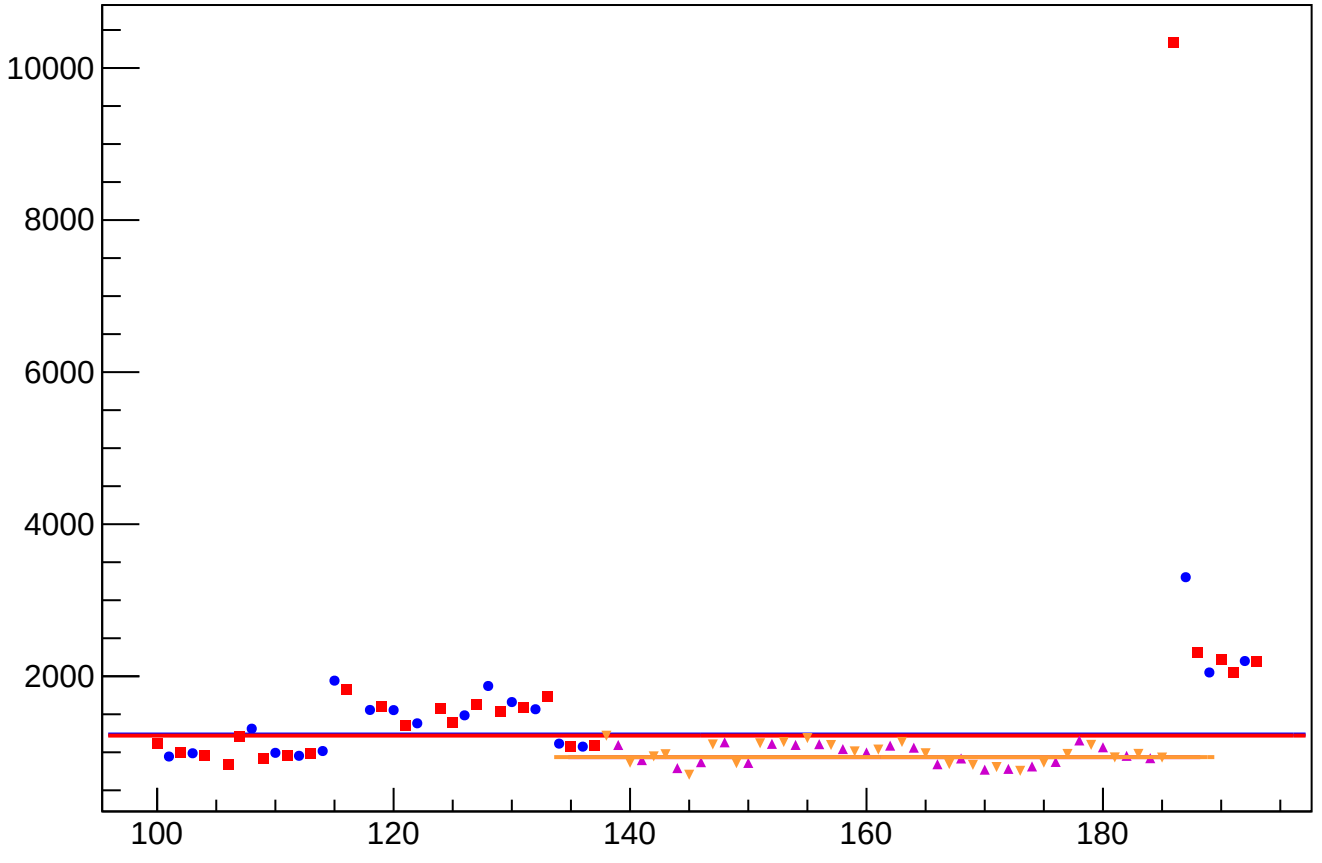
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -835.630+/-193.027 χ^2/NDF: 70.8/43

All: -600.074+/-137.074 χ^2/NDF: 125.2/90

- sign -360.451+/-194.686 χ^2/NDF: 51.4/46

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: 1219.672+/-0.289 χ^2/NDF: 2458595.9/23

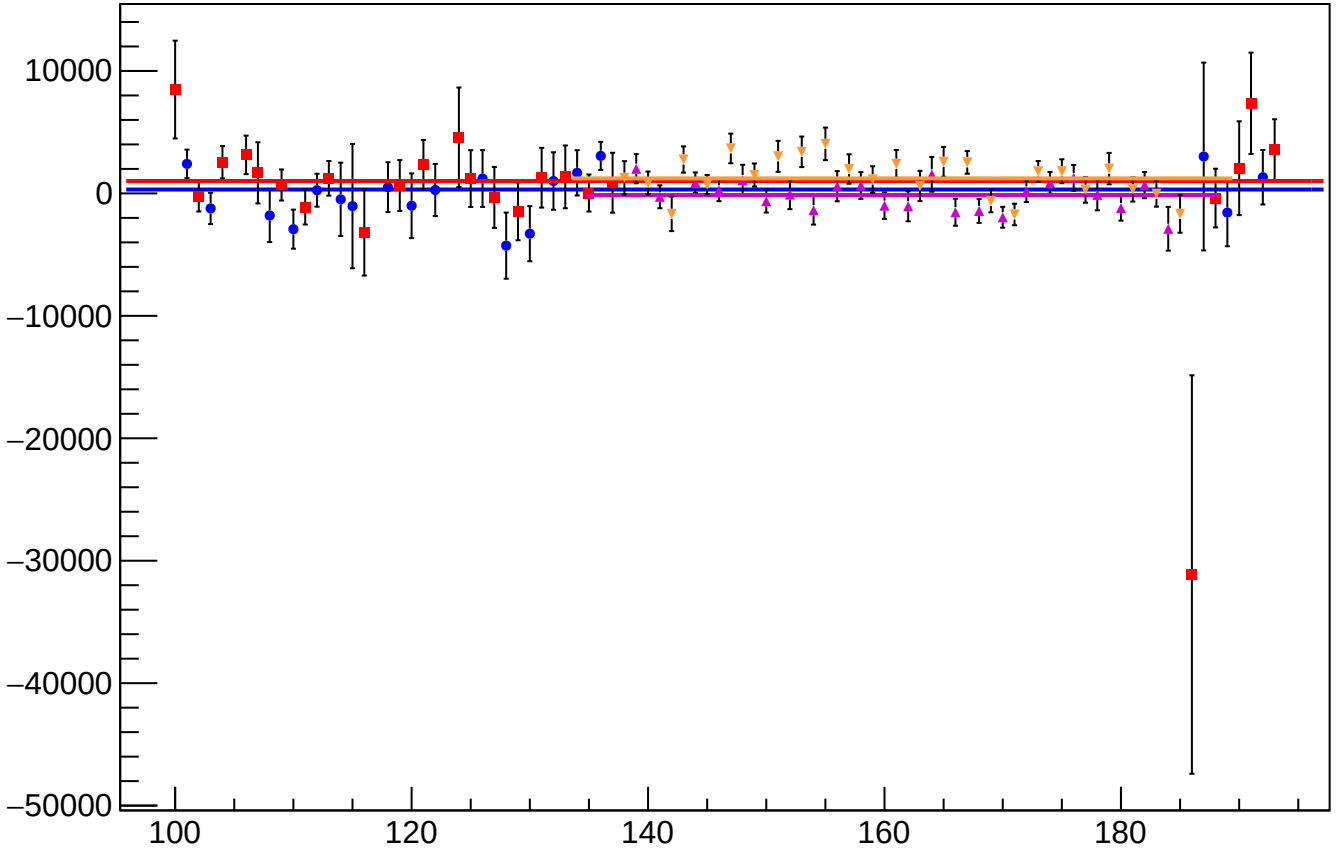
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 995.788+/-0.136 χ^2/NDF: 3022169.9/43

All: 998.149+/-0.097 χ^2/NDF: 6866096.5/90

- sign 1000.552+/-0.138 χ^2/NDF: 3843322.5/46

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: 1013.676+/-408.572 χ^2/NDF: 22.3/23

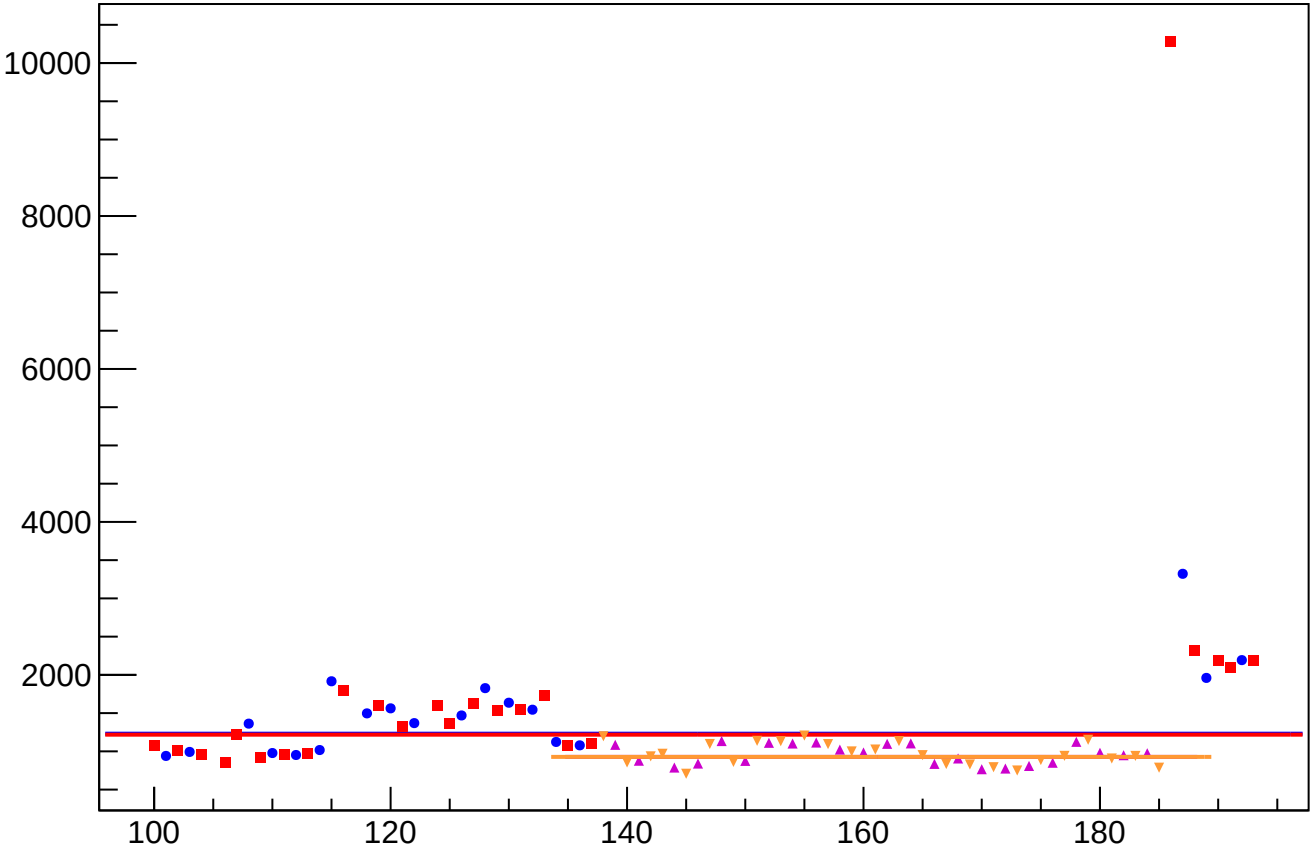
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1046.476+/-191.606 χ^2/NDF: 75.0/43

All: 588.863+/-136.050 χ^2/NDF: 140.8/90

- sign 123.556+/-193.210 χ^2/NDF: 54.2/46

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: 1218.116+/-0.289 χ^2/NDF: 2424474.2/23

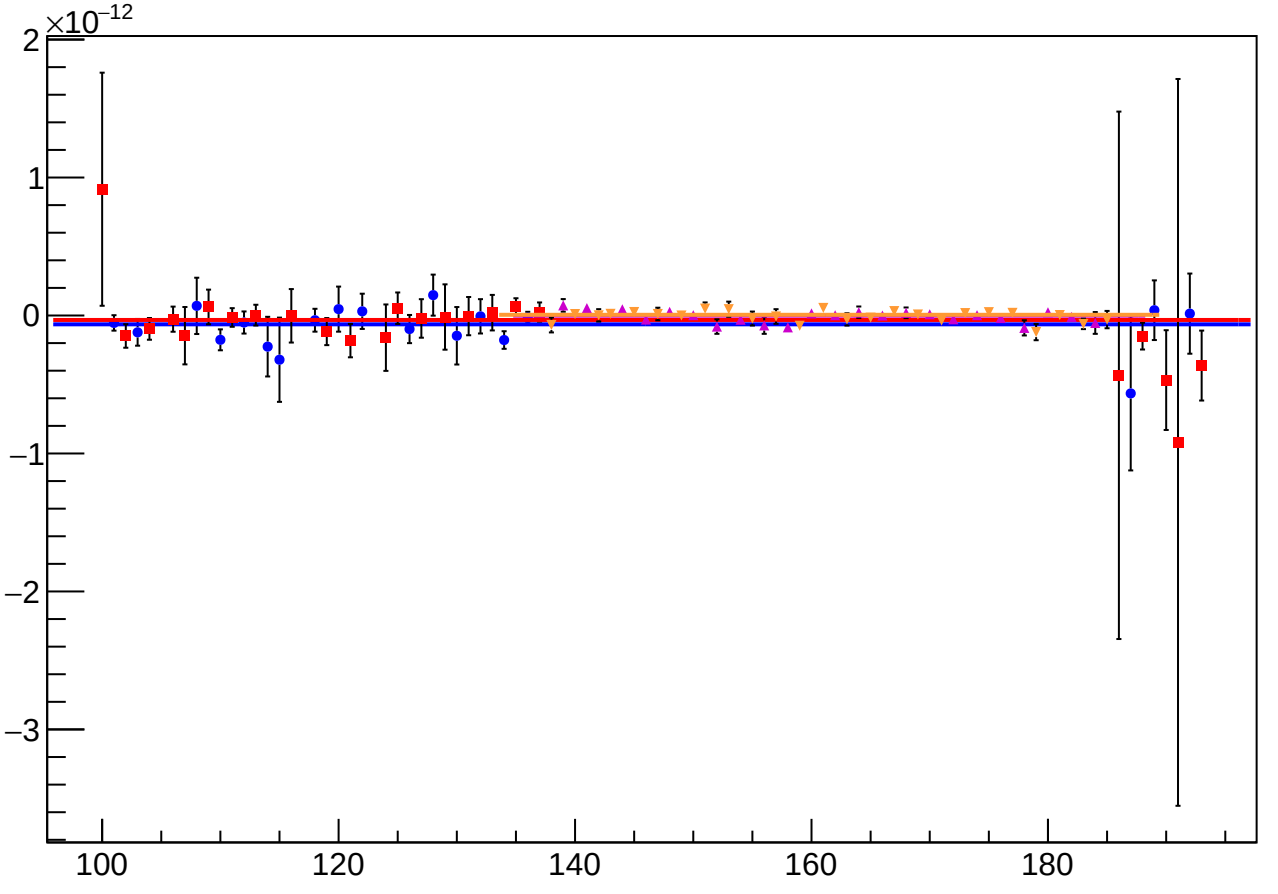
Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 987.423+/-0.135 χ^2/NDF: 3050685.0/43

All: 989.866+/-0.096 χ^2/NDF: 6918921.8/90

- sign 992.350+/-0.137 χ^2/NDF: 3867581.2/46

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

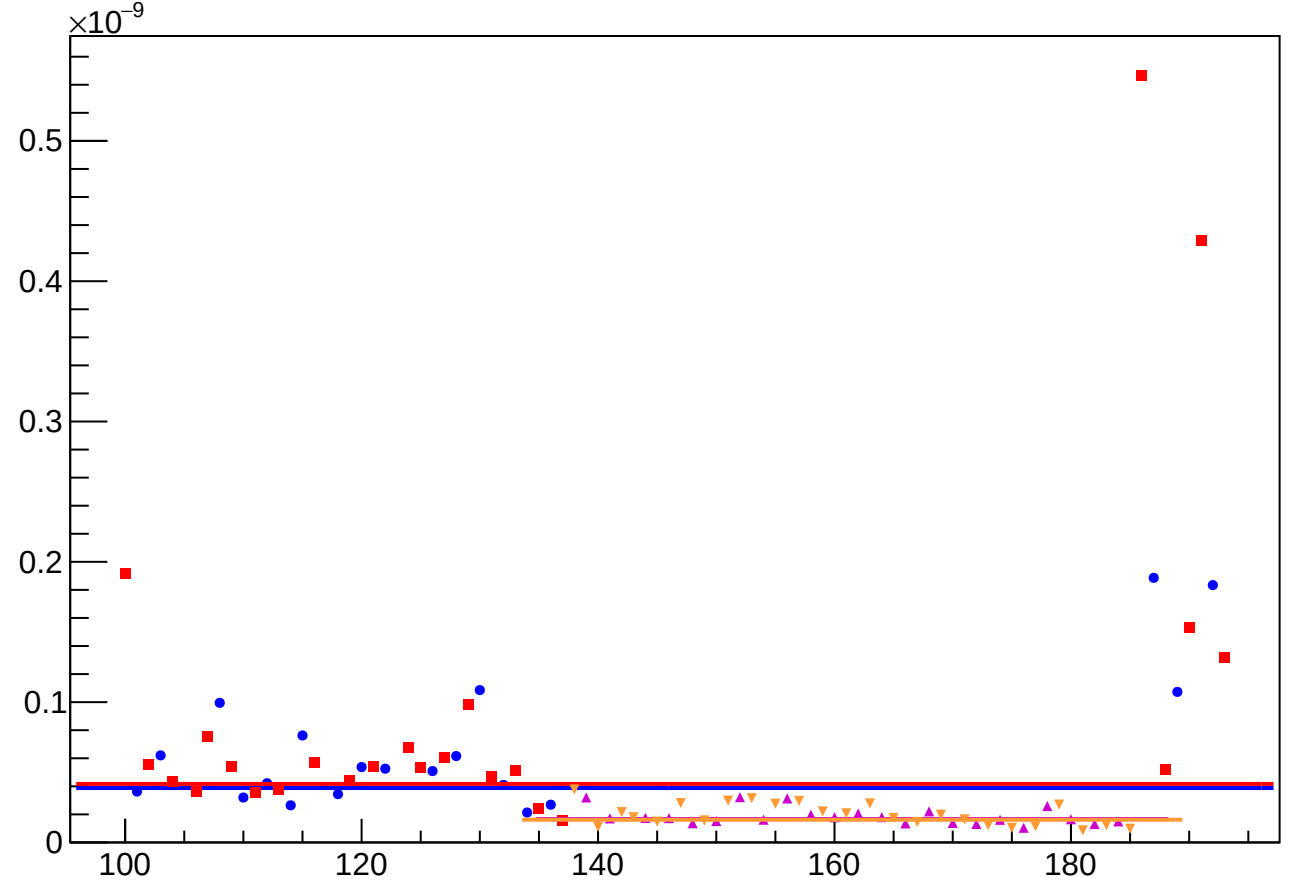
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/23

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: 94.4/90

- sign -0.000+/-0.000 χ^2/NDF: 46.0/46



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: 1565751.1/23

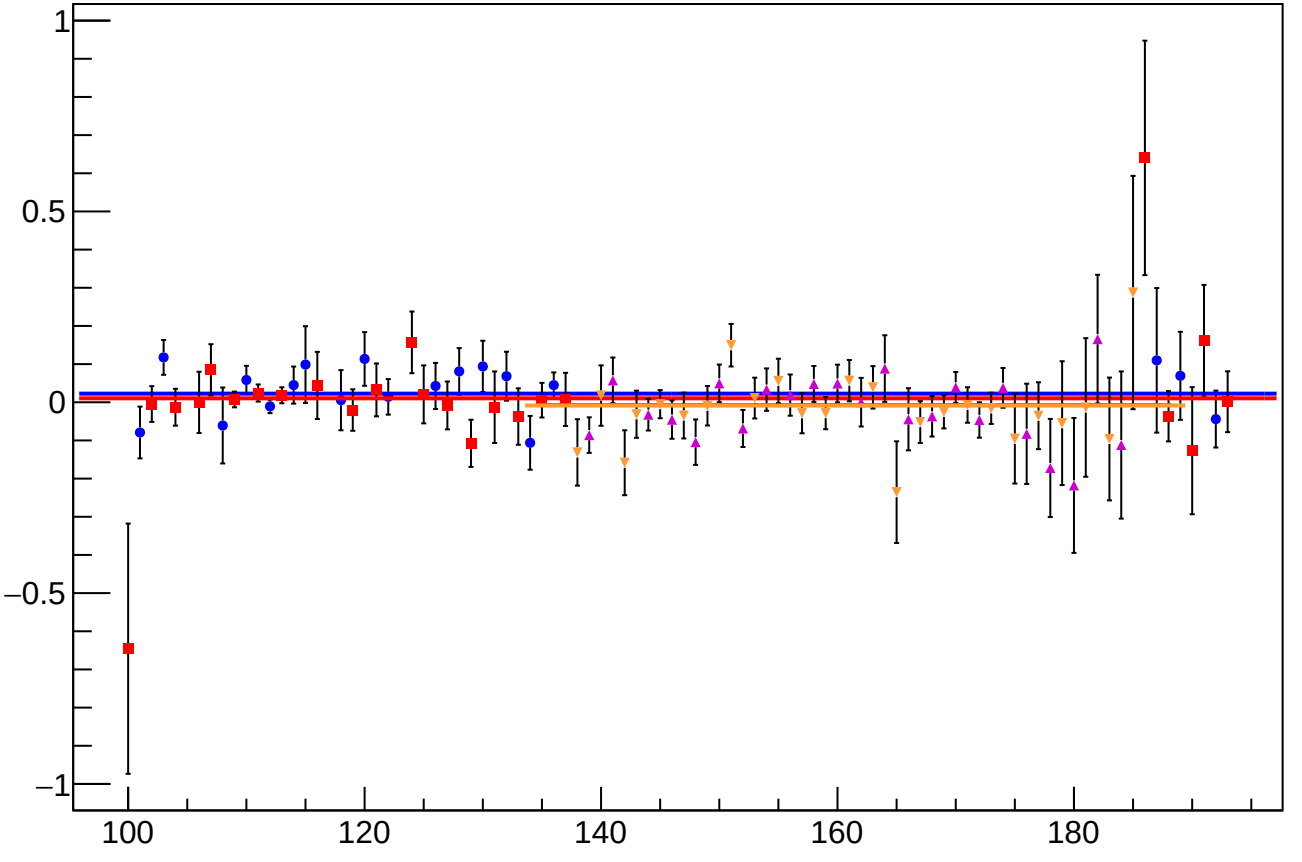
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5861175.1/43

All: 0.000+/-0.000 χ^2/NDF: 10667826.8/90

- sign 0.000+/-0.000 χ^2/NDF: 4791442.6/46

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: 0.010+/-0.010 χ^2/NDF: 20.7/23

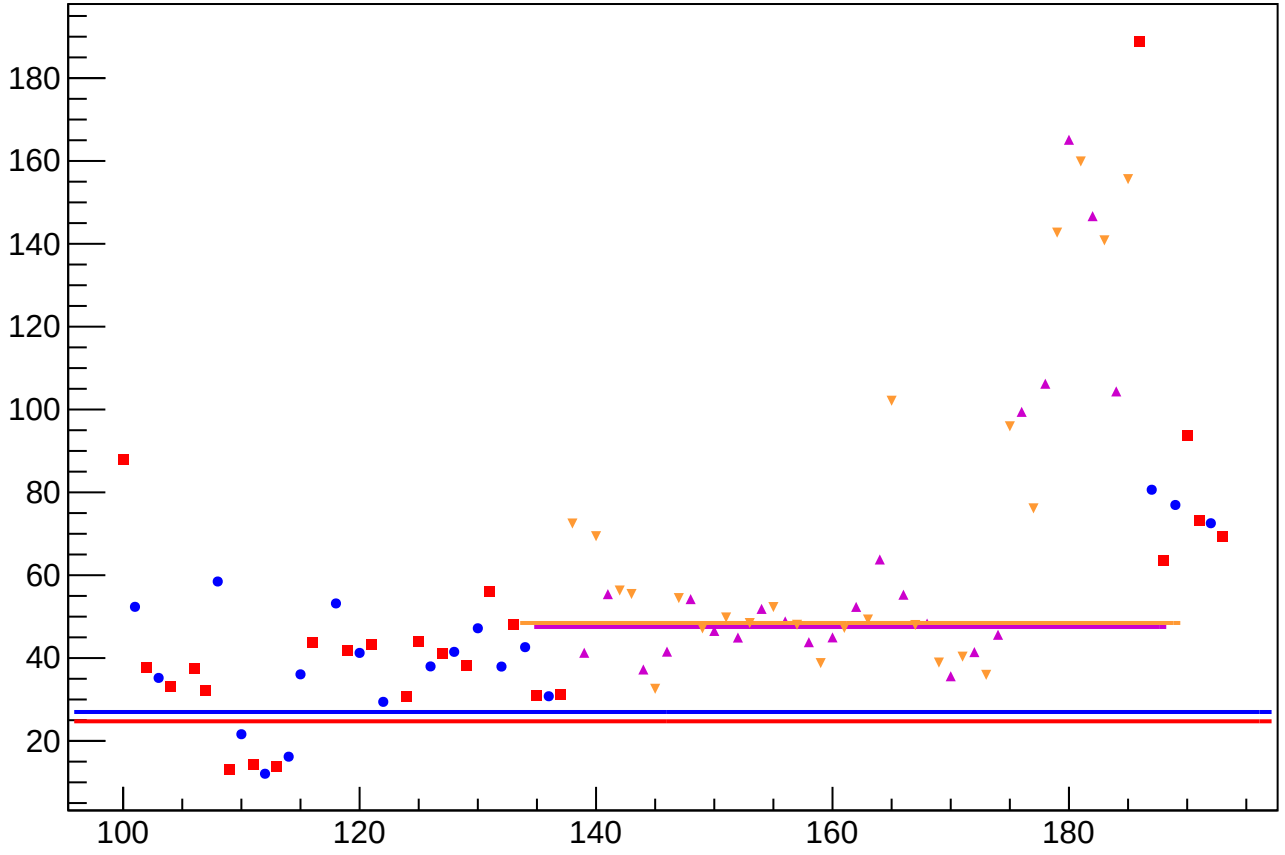
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.7/43

All: 0.006+/-0.005 χ^2/NDF: 94.3/90

- sign 0.003+/-0.007 χ^2/NDF: 45.3/46

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: 24.732+/-0.007 χ^2/NDF: 5695989.1/23

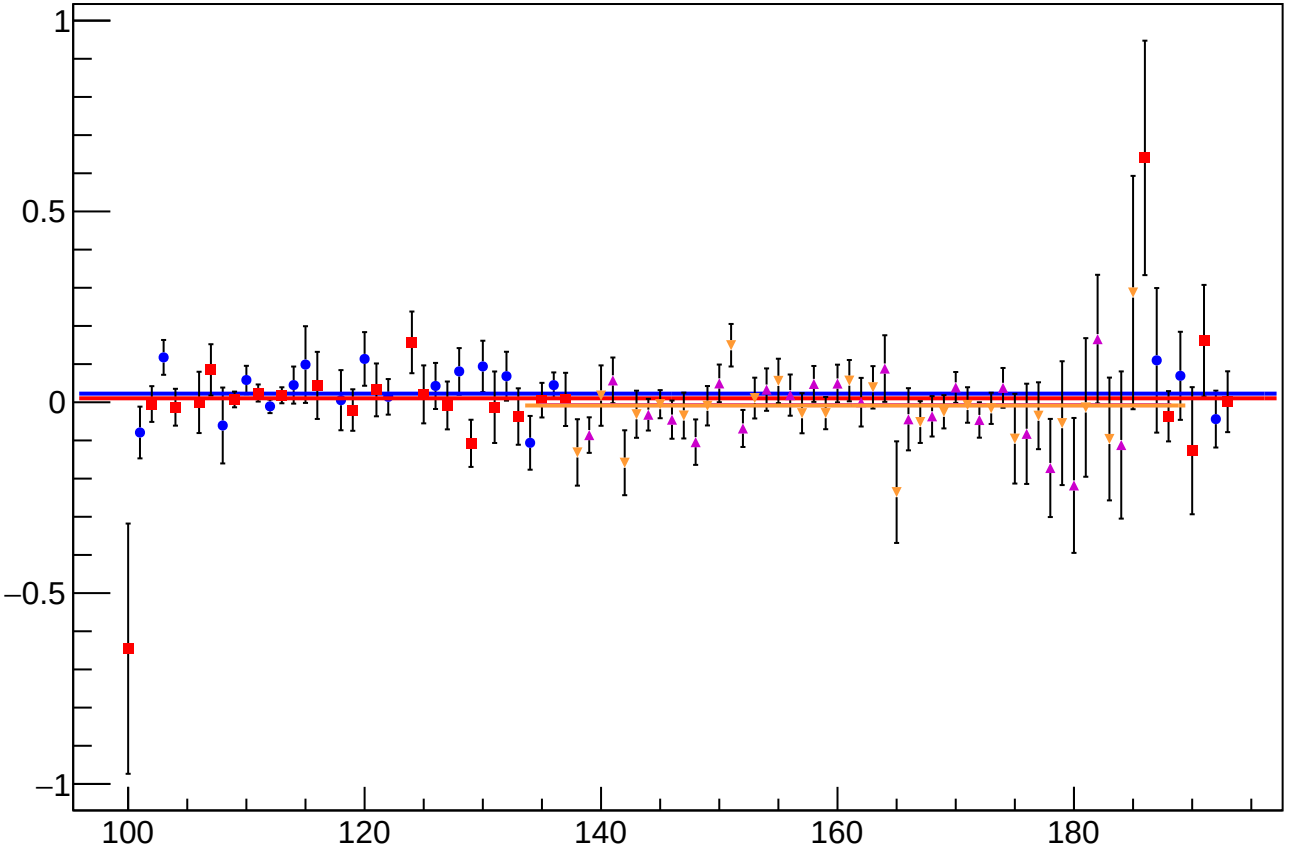
Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 36.673+/-0.006 χ^2/NDF: 12144339.9/43

All: 35.009+/-0.004 χ^2/NDF: 25458240.5/90

- sign 33.571+/-0.005 χ^2/NDF: 13155106.0/46

asym_sam_48_dd_dit_vs_eigen_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: 0.010+/-0.010 χ^2/NDF: 20.7/23

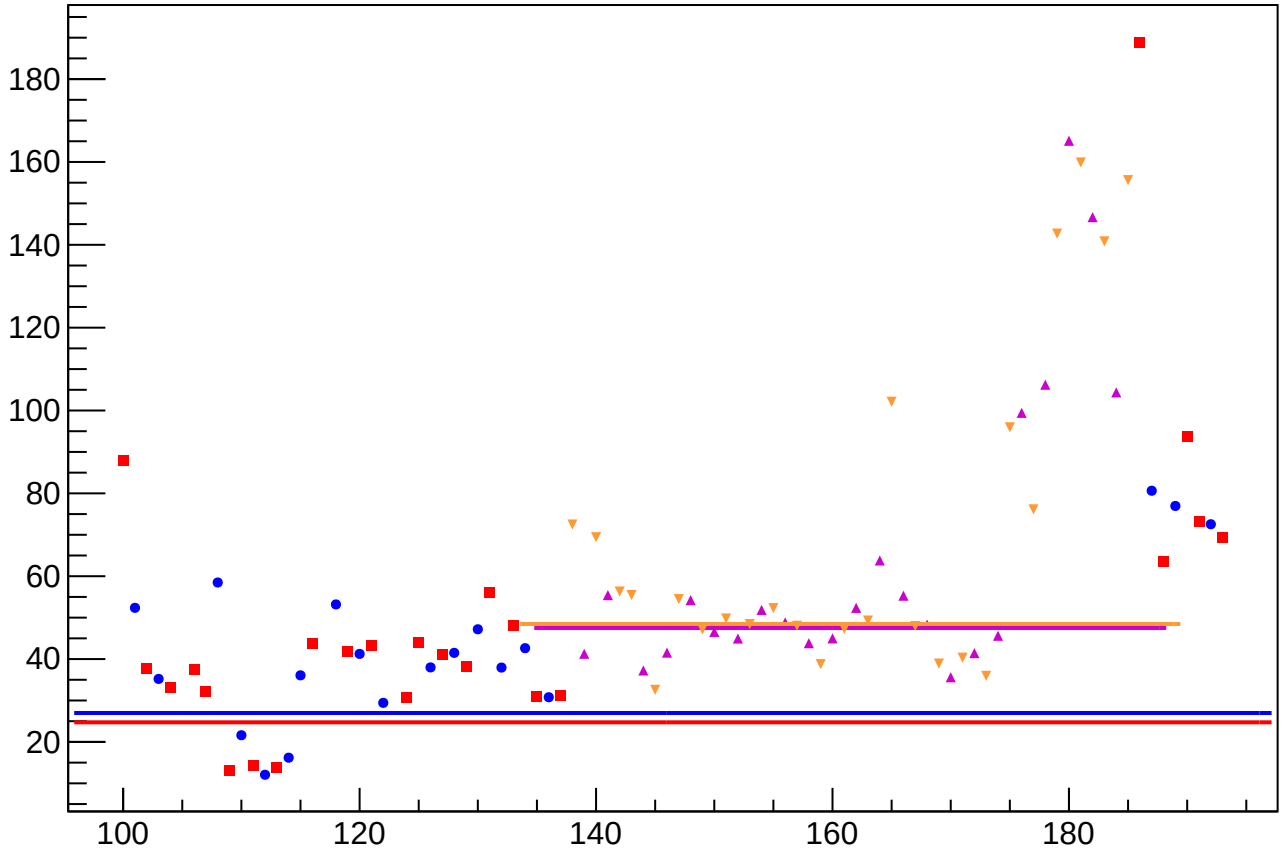
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.7/43

All: 0.006+/-0.005 χ^2/NDF: 94.3/90

- sign 0.003+/-0.007 χ^2/NDF: 45.3/46

asym_sam_48_dd_dit_vs_eigen_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

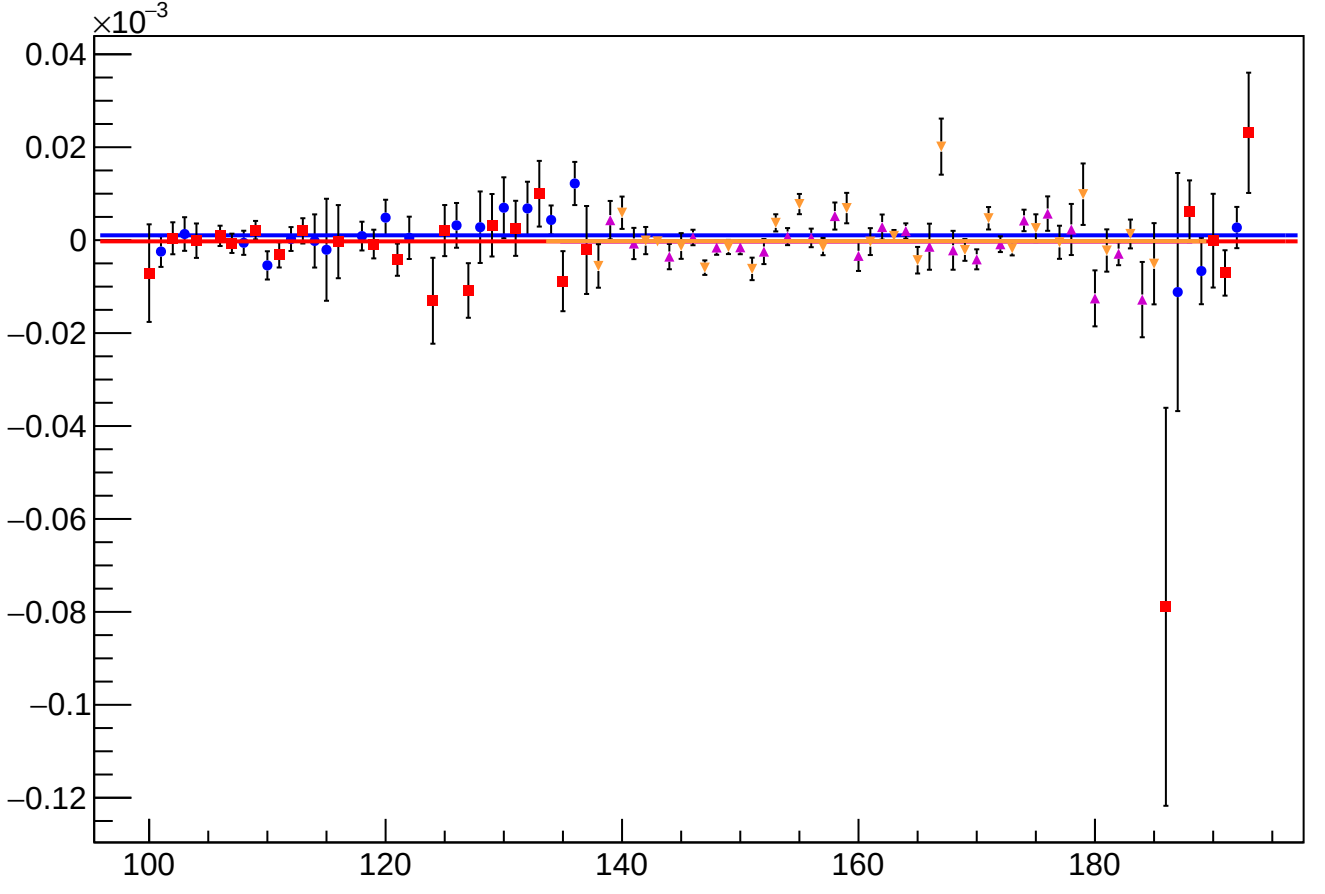
Right Out: 24.732+/-0.007 χ^2/NDF: 5695989.1/23

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 36.673+/-0.006 χ^2/NDF: 12144339.9/43

All: 35.009+/-0.004 χ^2/NDF: 25458240.5/90

- sign 33.571+/-0.005 χ^2/NDF: 13155106.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/23

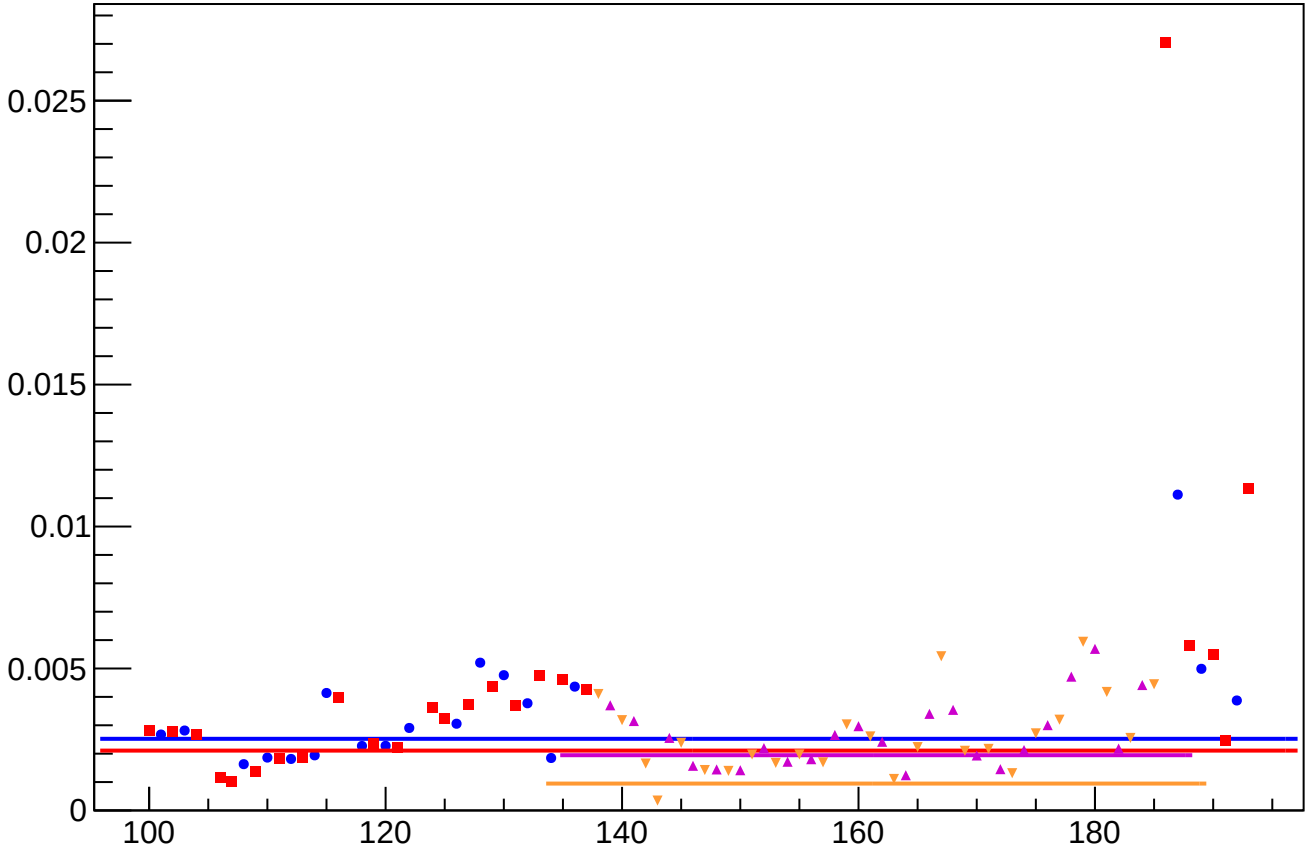
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 91.0/43

All: -0.000+/-0.000 χ^2/NDF: 146.7/90

- sign -0.000+/-0.000 χ^2/NDF: 55.5/46

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 2251401.4/18

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

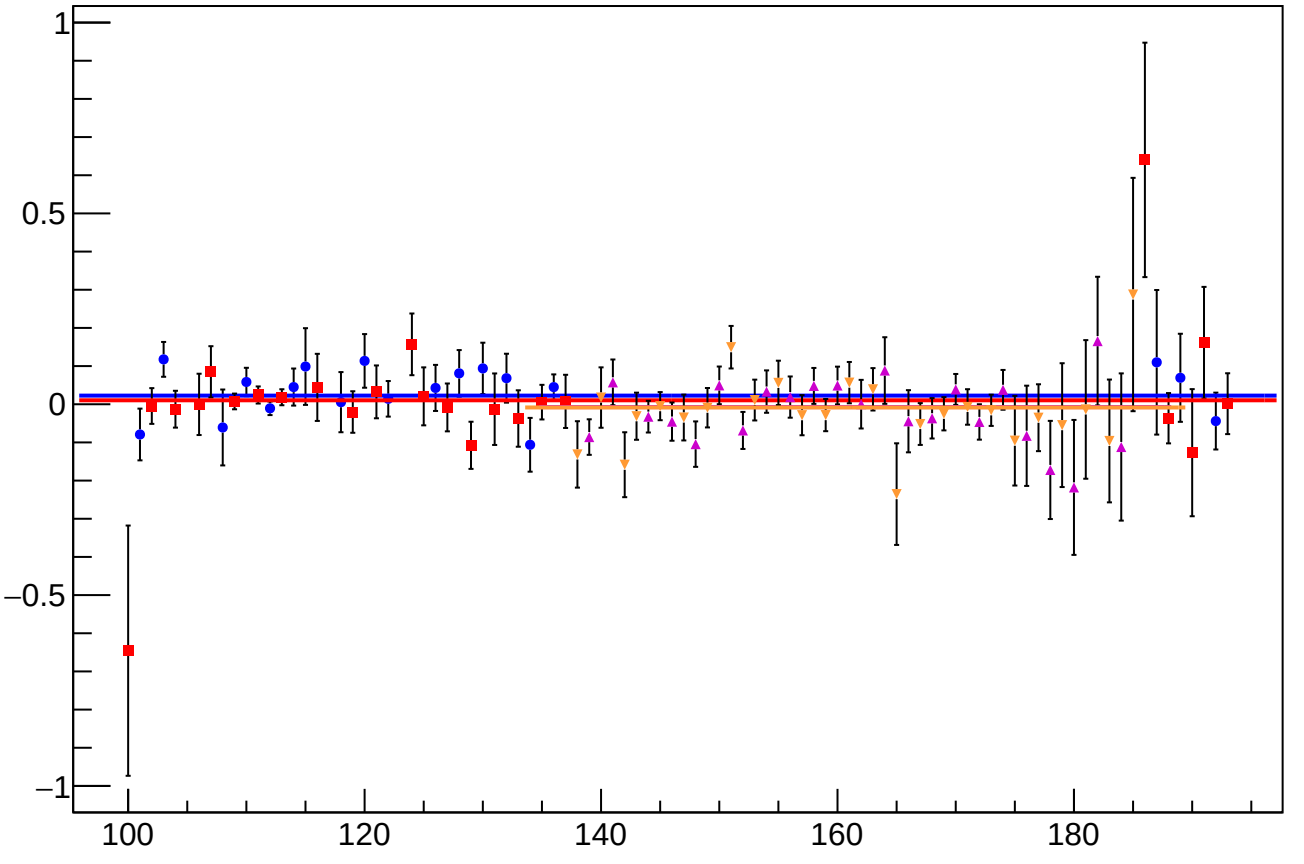
Right Out: 0.002+/-0.000 χ^2/NDF: 5371931.6/23

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: 41073002.8/90

- sign 0.002+/-0.000 χ^2/NDF: 9794668.0/46



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/18

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.010+/-0.010 χ^2/NDF: 20.7/23

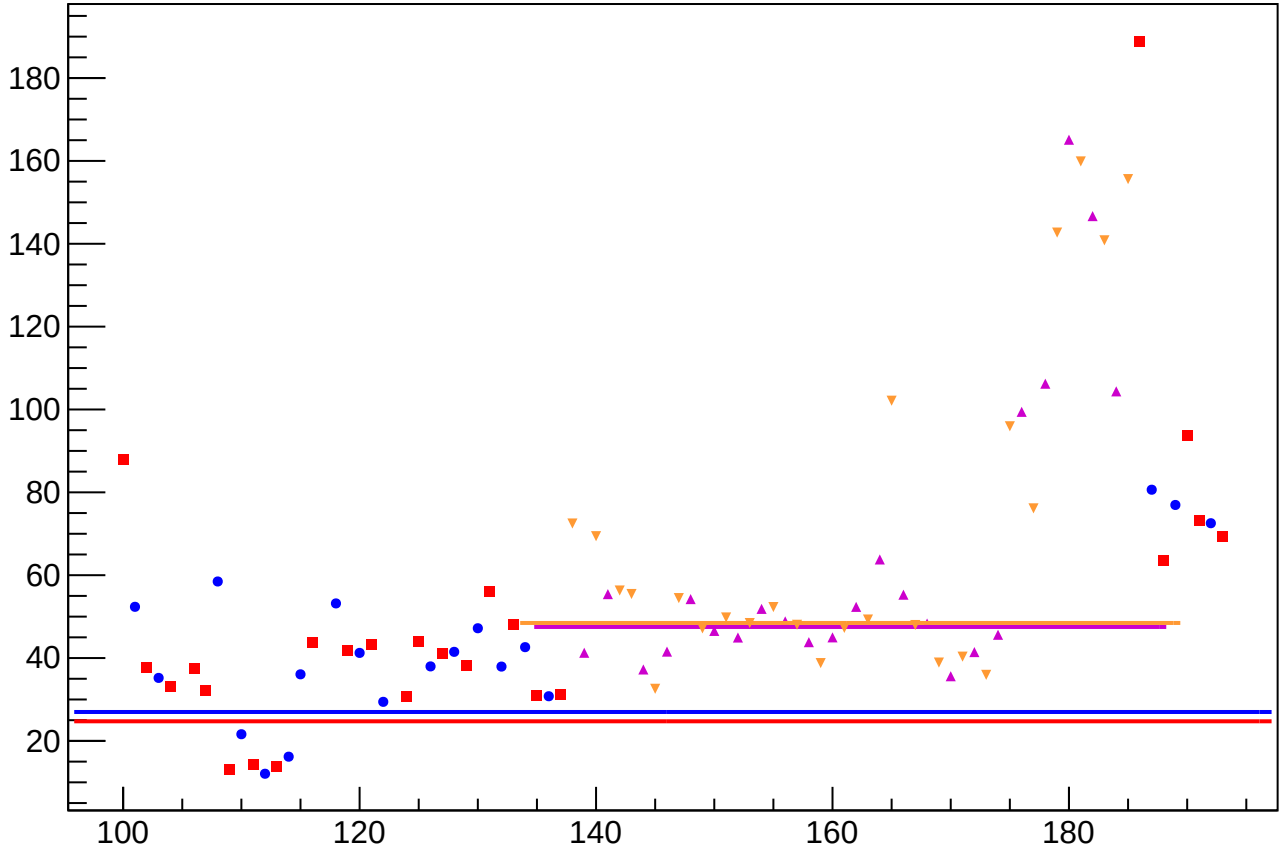
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.7/43

All: 0.006+/-0.005 χ^2/NDF: 94.3/90

- sign 0.003+/-0.007 χ^2/NDF: 45.3/46

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

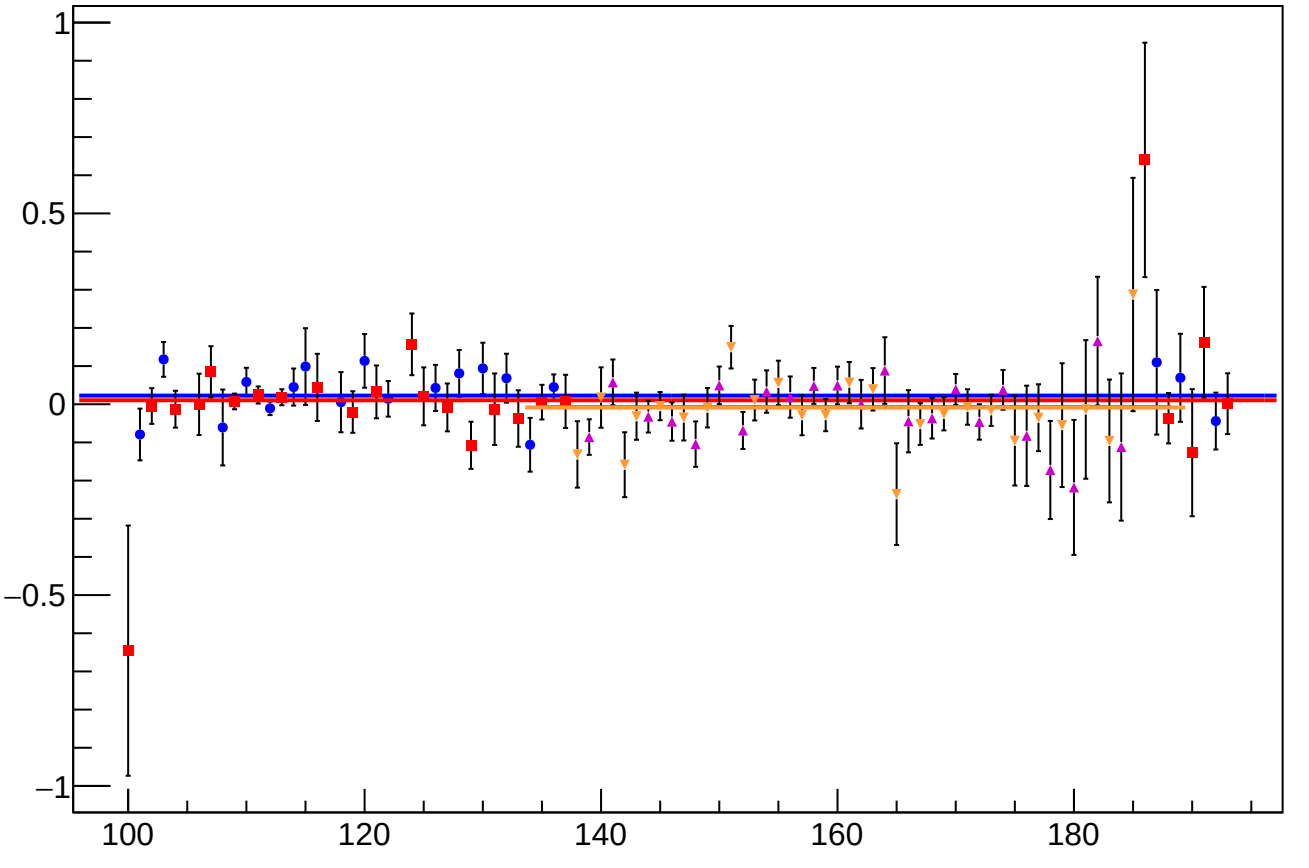
Right Out: 24.731+/-0.007 χ^2/NDF: 5696161.9/23

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 36.672+/-0.006 χ^2/NDF: 12145386.5/43

All: 35.008+/-0.004 χ^2/NDF: 25459568.3/90

- sign 33.571+/-0.005 χ^2/NDF: 13155462.5/46



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/18

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

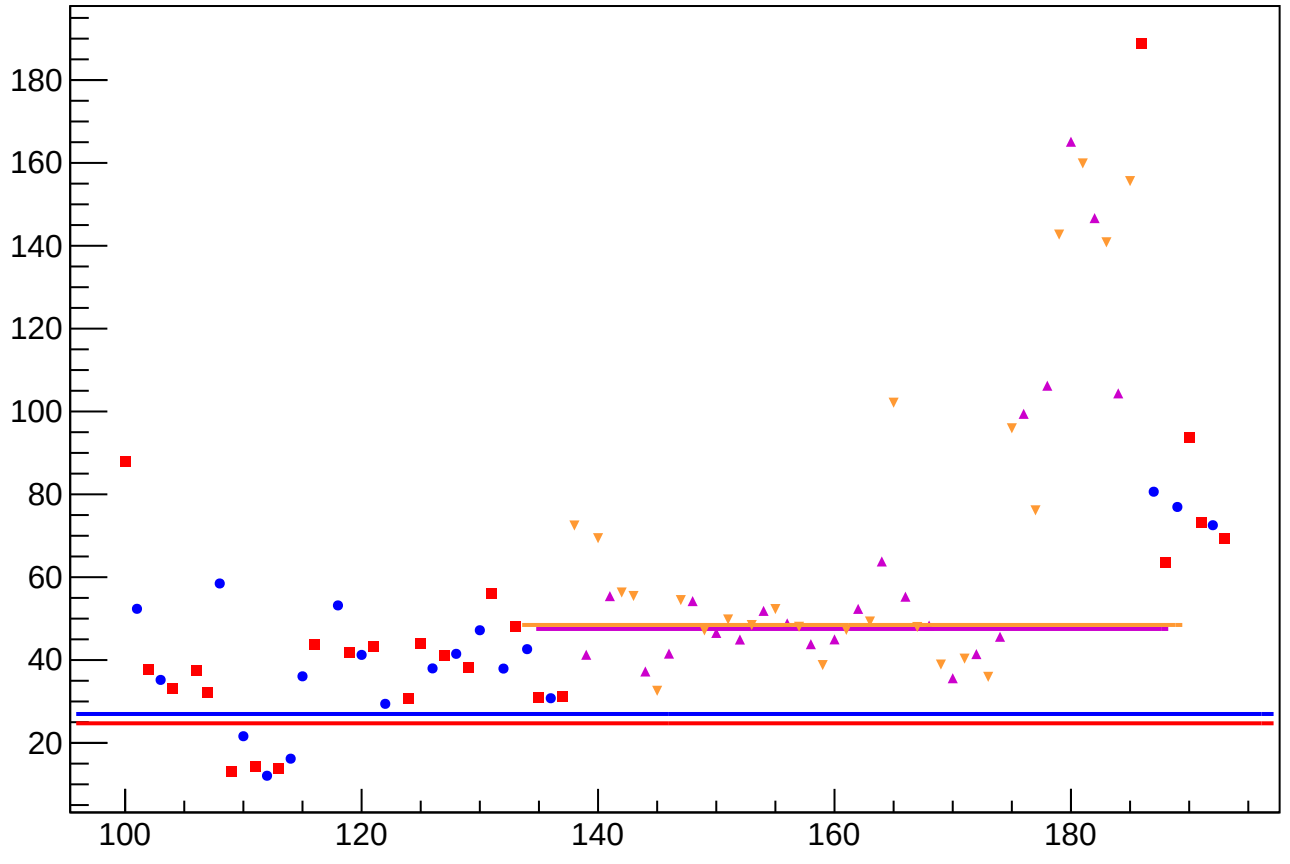
Right Out: 0.010+/-0.010 χ^2/NDF: 20.7/23

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+/-0.005 χ^2/NDF: 94.3/90

- sign 0.003+/-0.007 χ^2/NDF: 45.3/46



Right In: 26.982+/-0.008 χ^2/NDF: 4254118.8/18

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

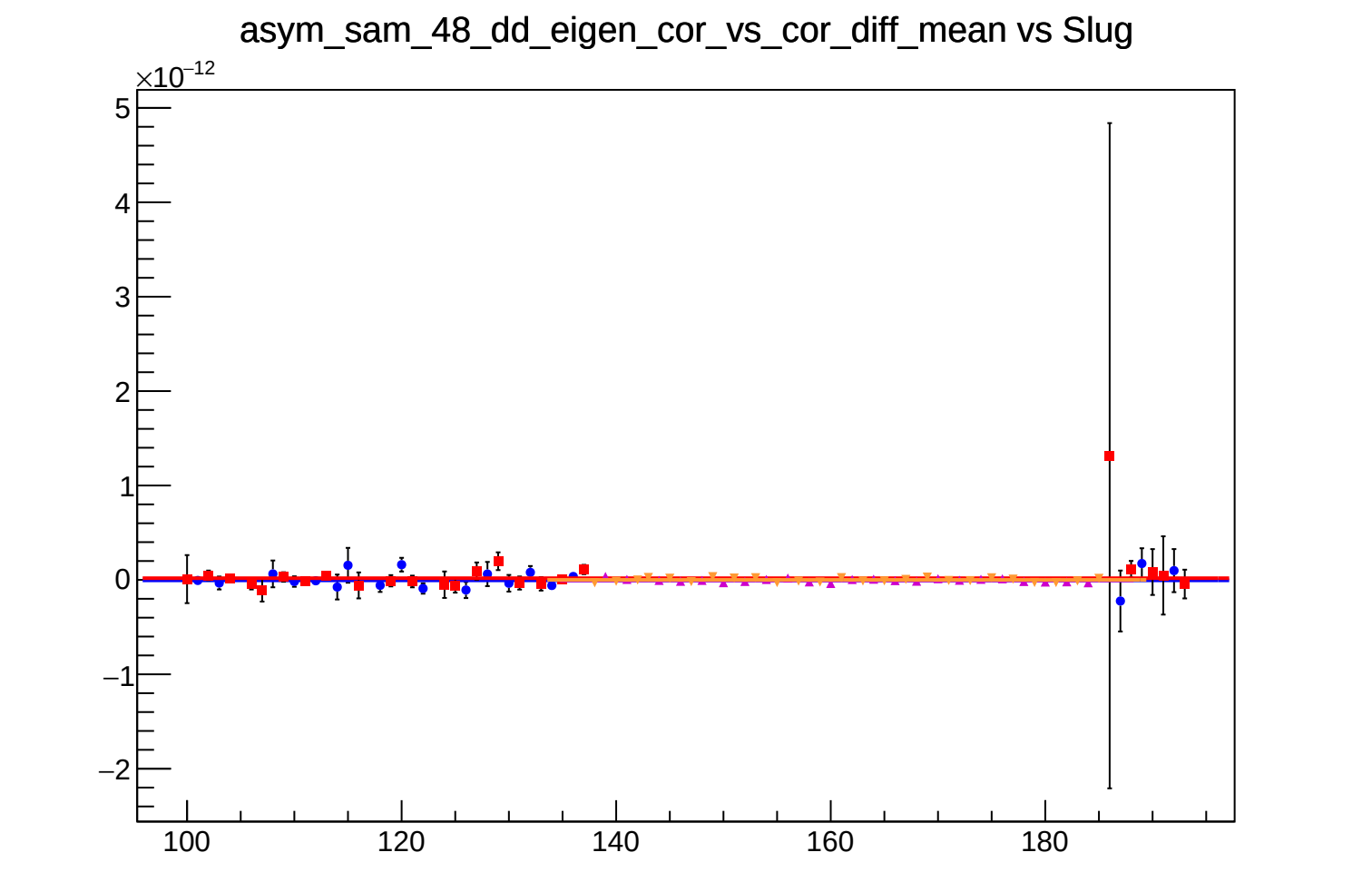
Right Out: 24.731+/-0.007 χ^2/NDF: 5696161.9/23

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 36.672+/-0.006 χ^2/NDF: 12145386.5/43

All: 35.008+/-0.004 χ^2/NDF: 25459568.3/90

- sign 33.571+/-0.005 χ^2/NDF: 13155462.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

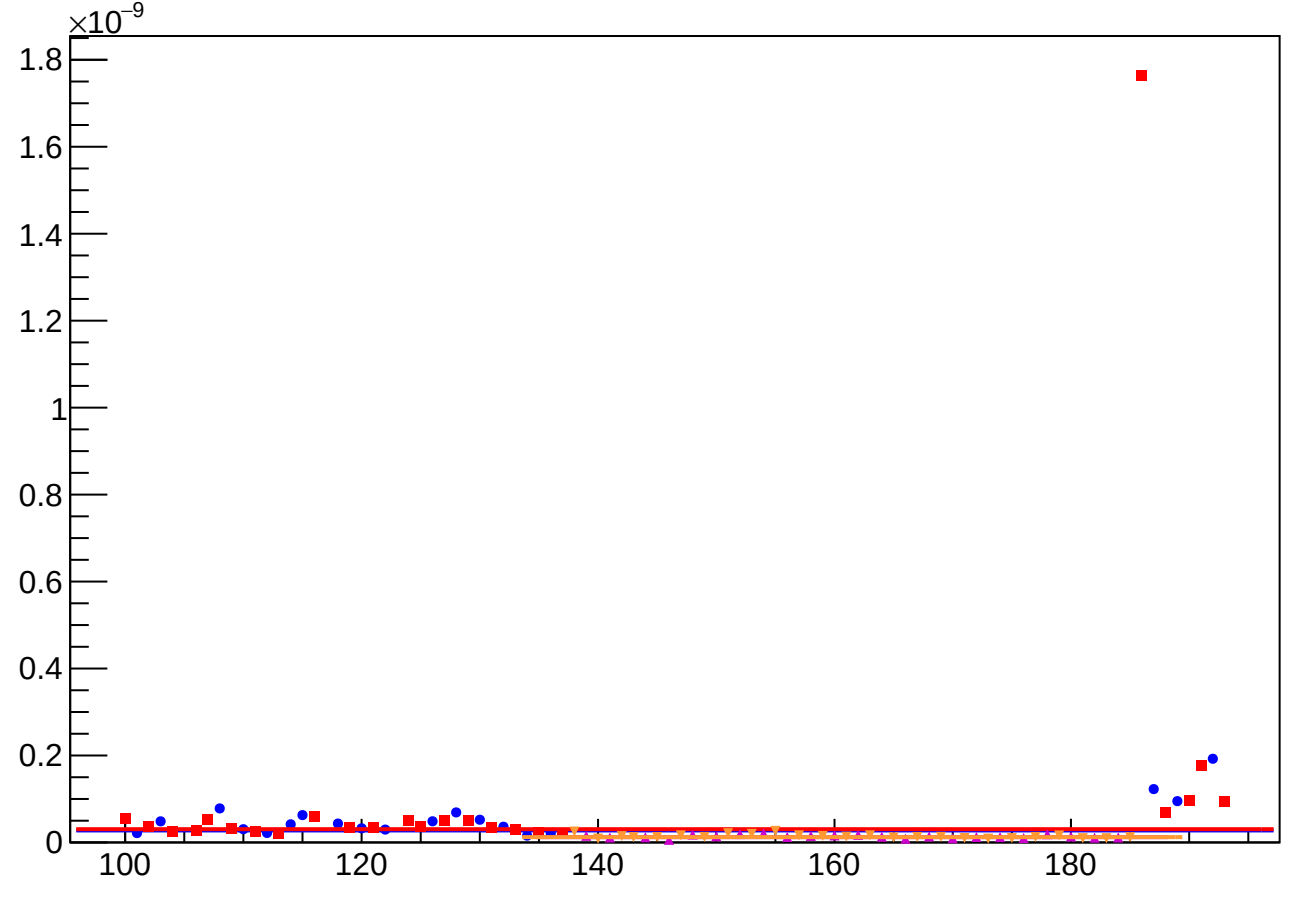
Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/23

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: 91.4/90

\- sign -0.000+/-0.000 χ^2/NDF: 38.6/46



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: 2540353.5/23

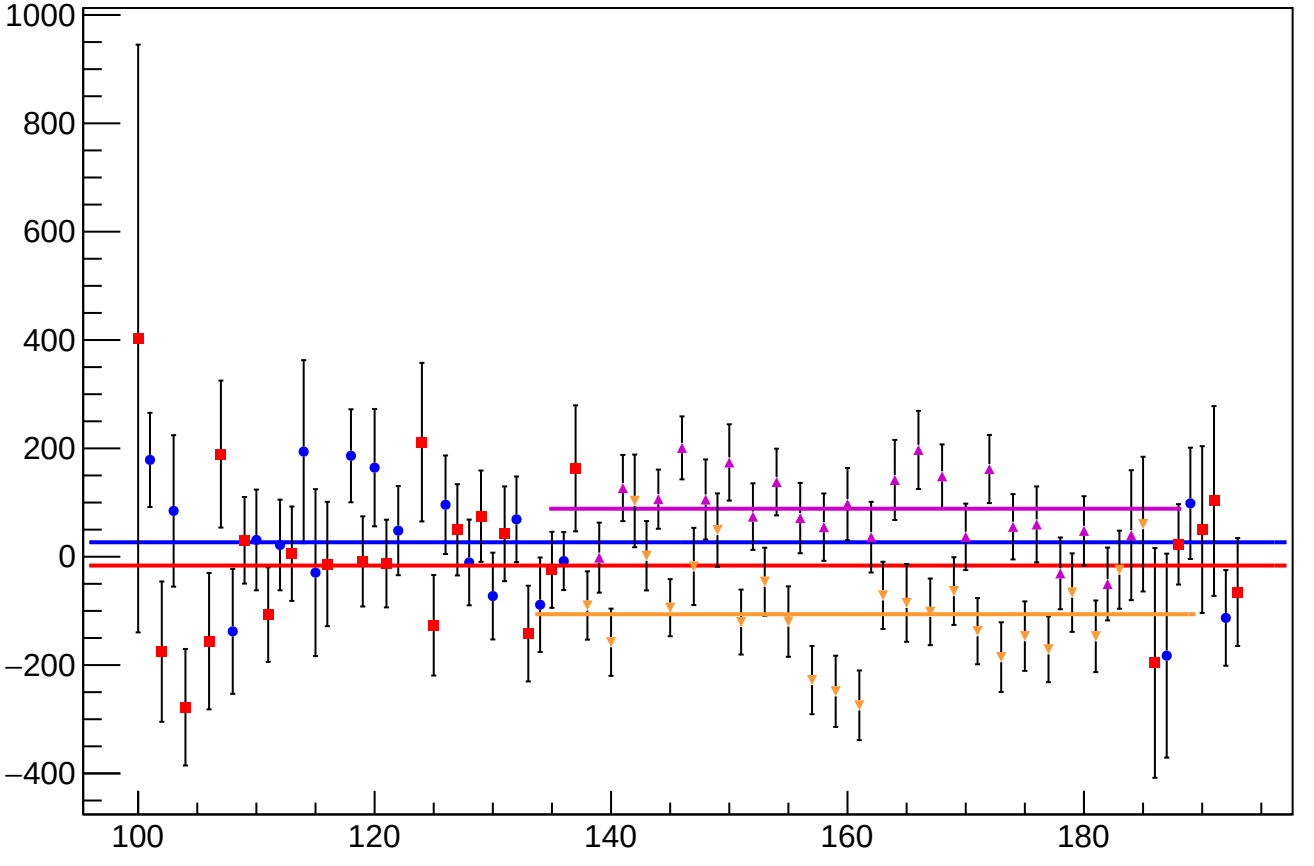
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7926596.0/43

All: 0.000+/-0.000 χ^2/NDF: 16037911.0/90

- sign 0.000+/-0.000 χ^2/NDF: 8109266.2/46

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: -16.295+/-20.326 χ^2/NDF: 25.4/23

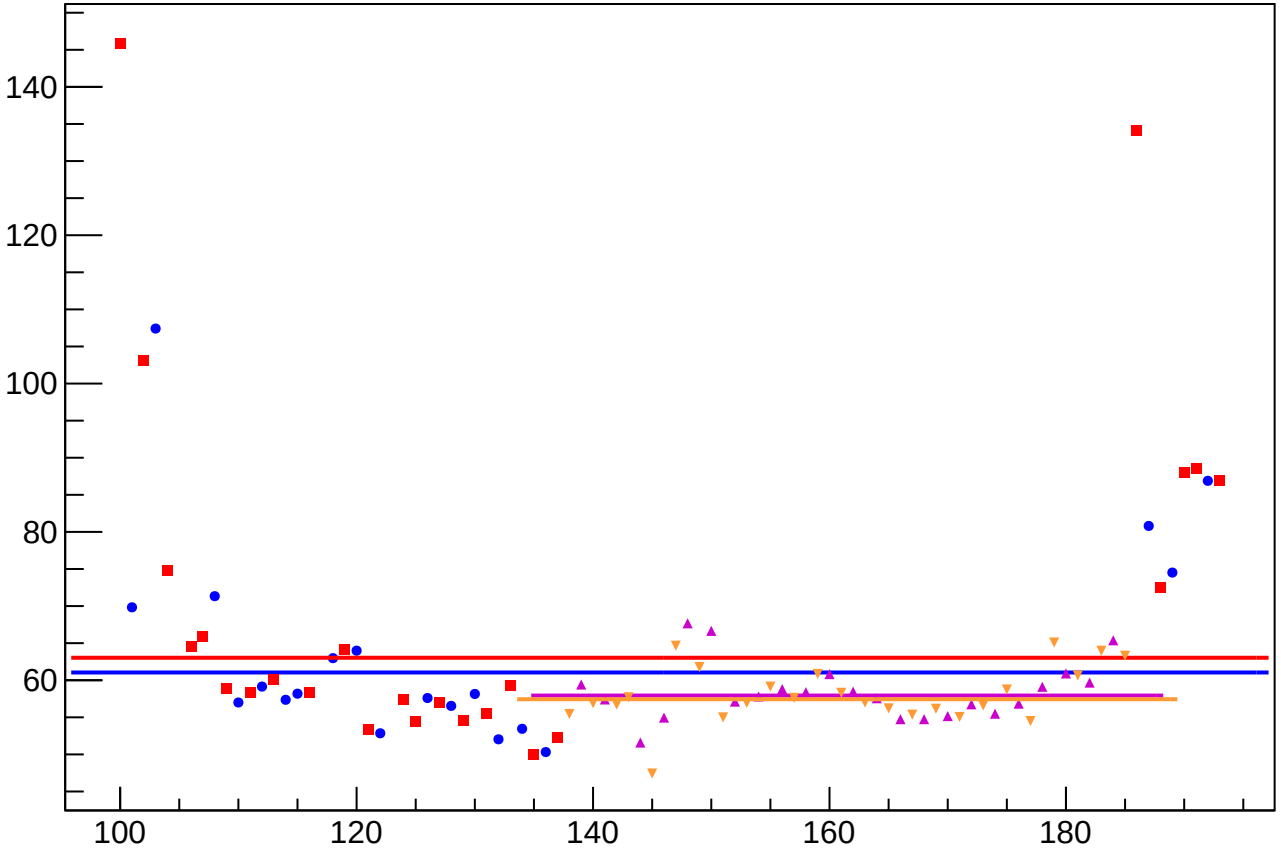
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -68.656+/-11.091 χ^2/NDF: 90.3/43

All: -7.261+/-7.910 χ^2/NDF: 220.4/90

- sign 56.287+/-11.284 χ^2/NDF: 67.7/46

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

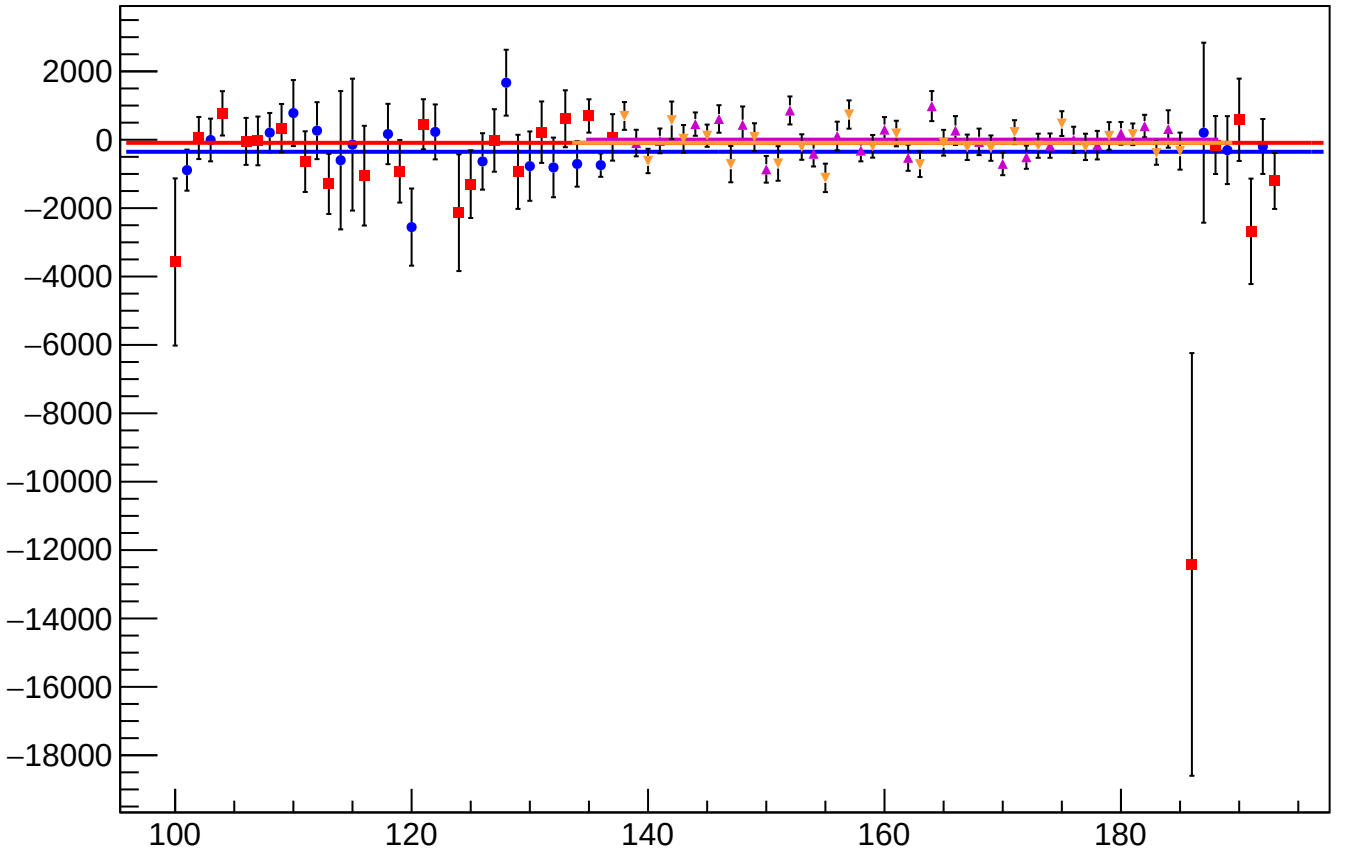
Right Out: 63.032+/-0.014 χ^2/NDF: 931662.8/23

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.457+/-0.008 χ^2/NDF: 863948.2/43

All: 58.971+/-0.006 χ^2/NDF: 2027343.4/90

- sign 59.504+/-0.008 χ^2/NDF: 1154634.2/46



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: -89.873+/-171.873 χ^2/NDF: 24.3/23

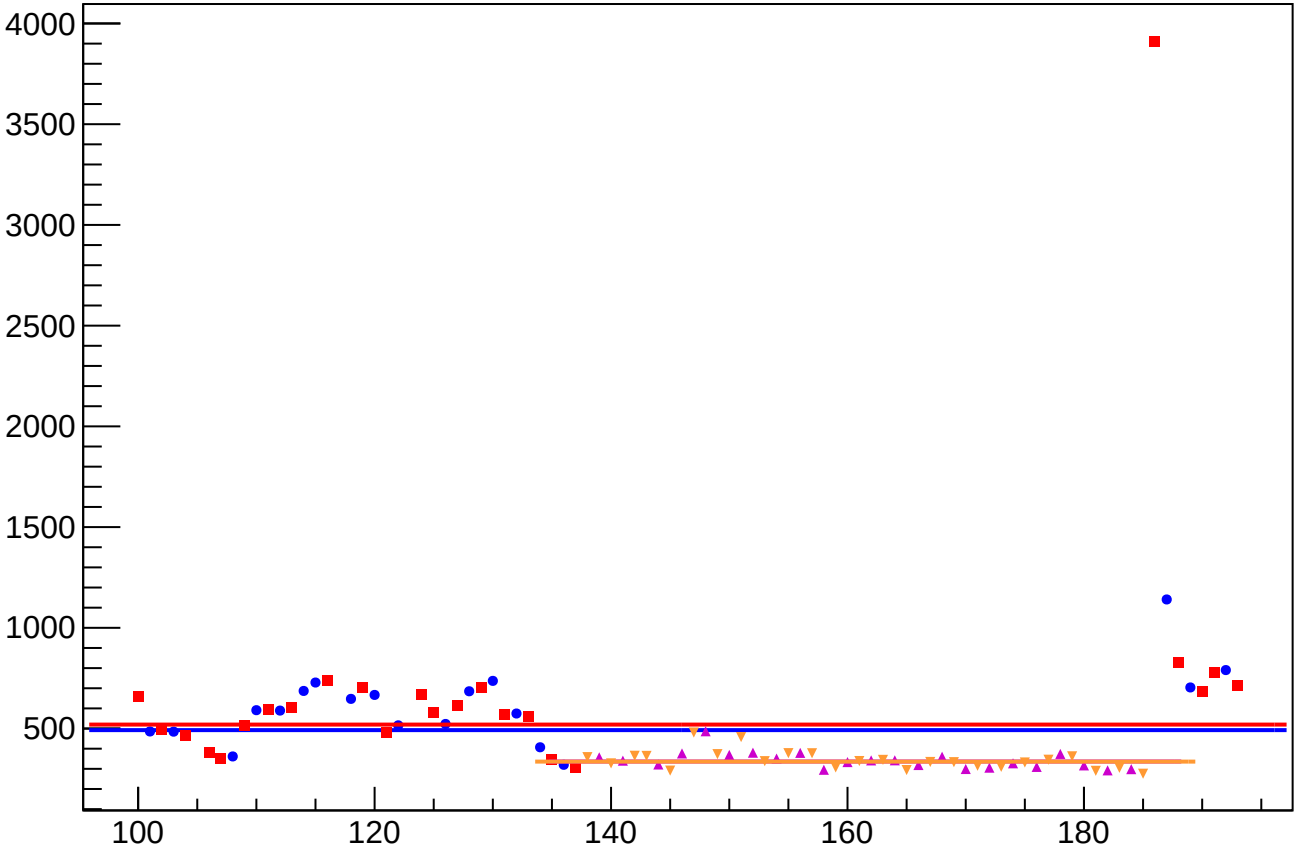
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -132.495+/-70.363 χ^2/NDF: 47.2/43

All: -74.170+/-50.298 χ^2/NDF: 106.7/90

- sign -13.227+/-71.925 χ^2/NDF: 58.1/46

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: 519.670+/-0.122 χ^2/NDF: 2022760.1/23

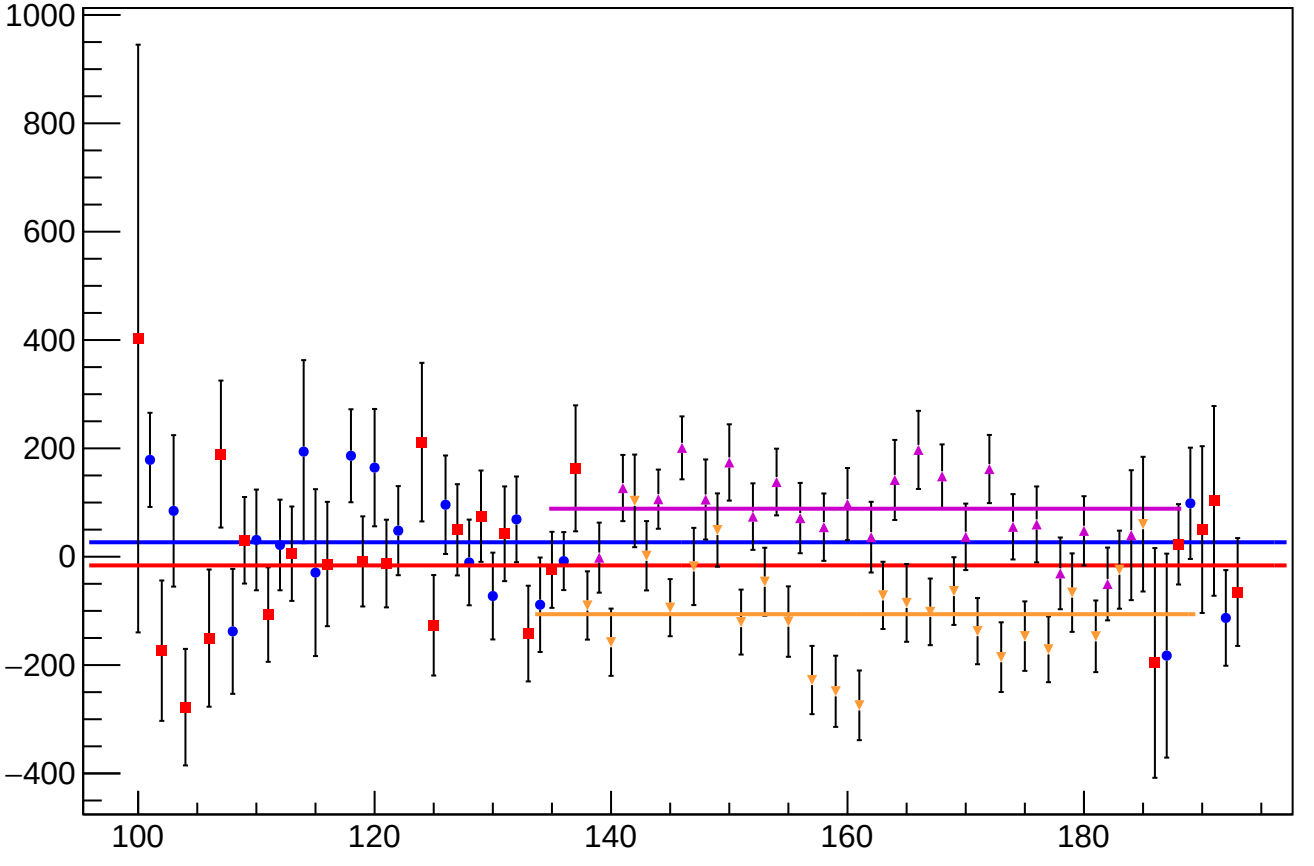
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 361.709+/-0.050 χ^2/NDF: 3450651.4/43

All: 365.005+/-0.036 χ^2/NDF: 7773537.3/90

- sign 368.448+/-0.051 χ^2/NDF: 4313914.8/46

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: -16.061+/-20.329 χ^2/NDF: 25.3/23

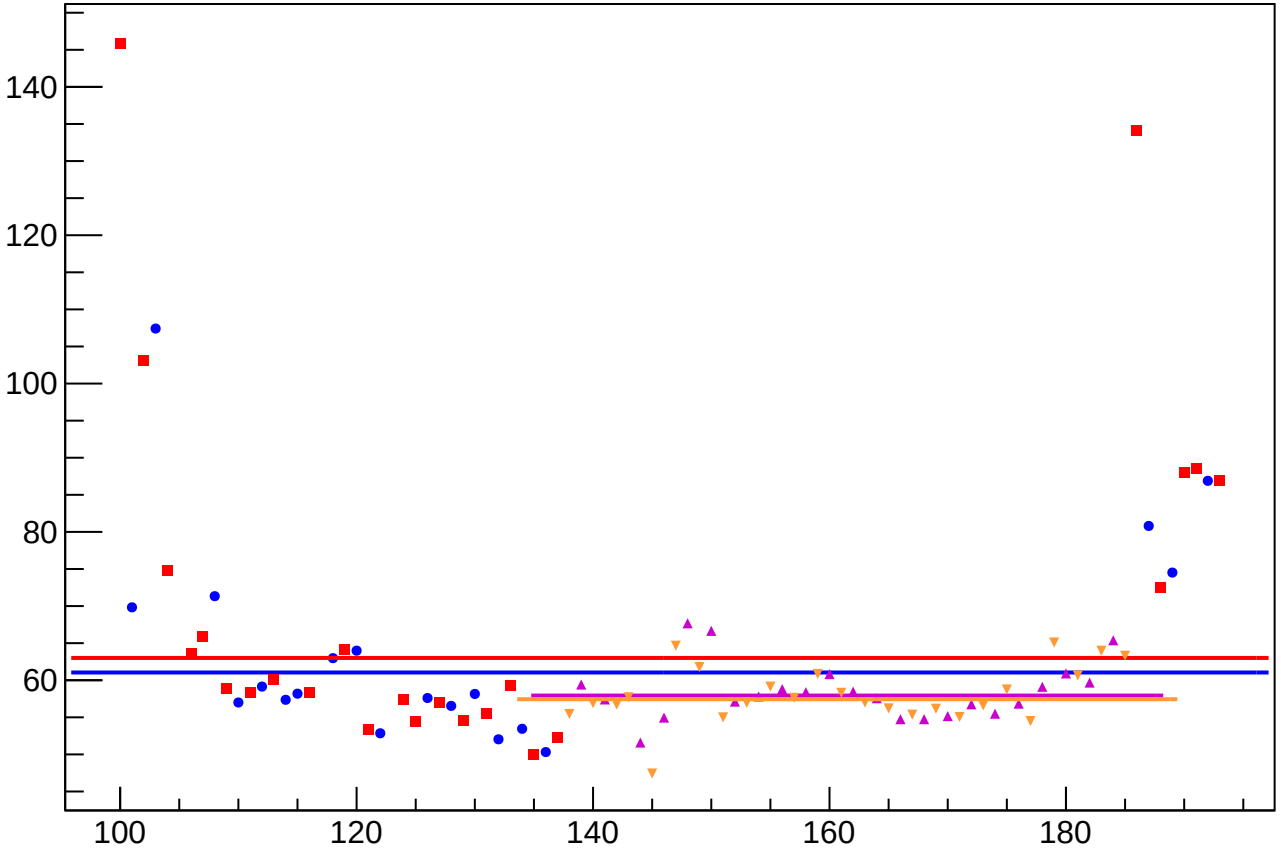
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -68.656+/-11.091 χ^2/NDF: 90.3/43

All: -7.224+/-7.910 χ^2/NDF: 220.2/90

- sign 56.368+/-11.284 χ^2/NDF: 67.5/46

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

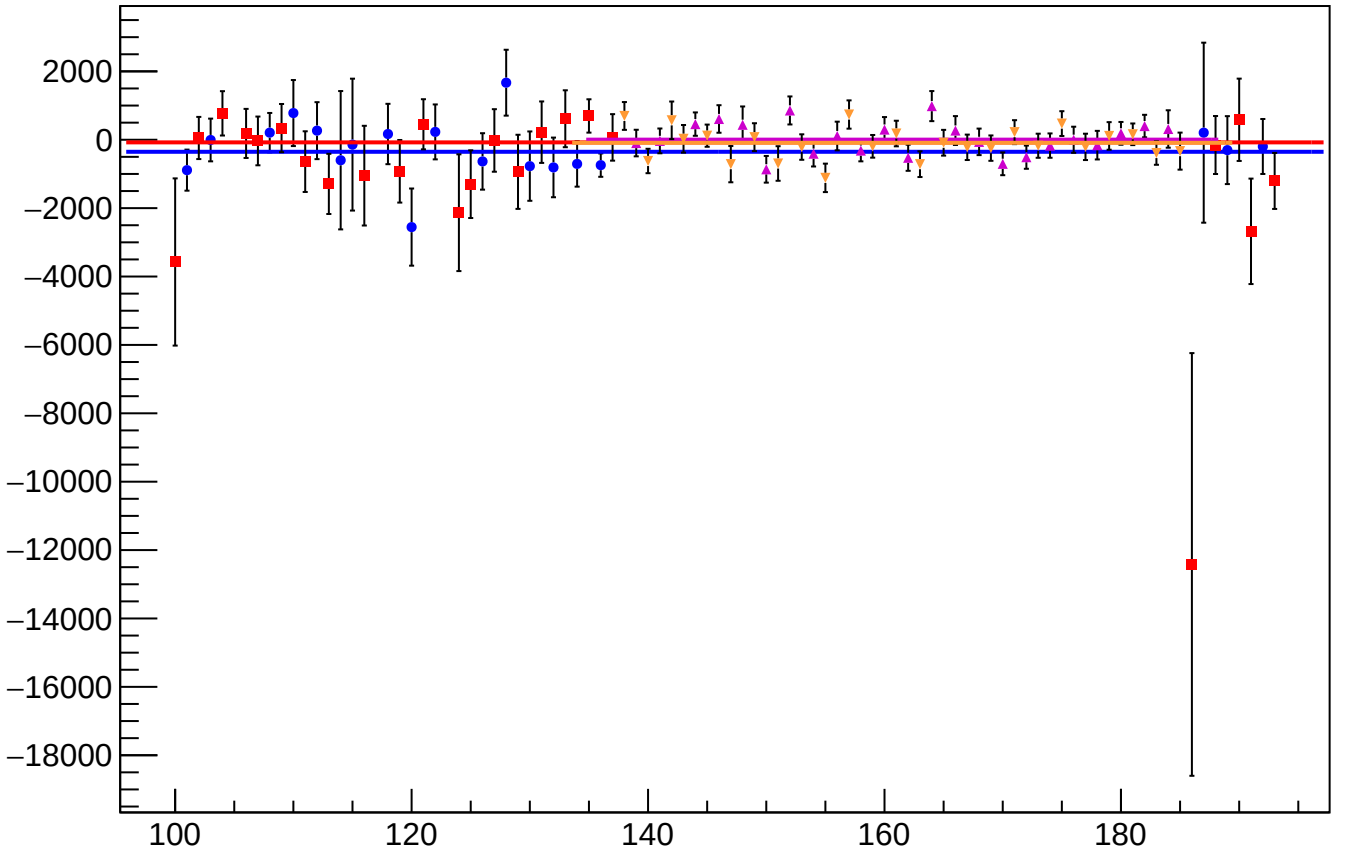
Right Out: 63.006+/-0.014 χ^2/NDF: 931617.0/23

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.457+/-0.008 χ^2/NDF: 863950.3/43

All: 58.967+/-0.006 χ^2/NDF: 2026268.2/90

- sign 59.496+/-0.008 χ^2/NDF: 1153694.8/46



Right In: -351.975+/-173.125 χ^2/NDF: 15.3/18

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -76.703+/-172.340 χ^2/NDF: 24.4/23

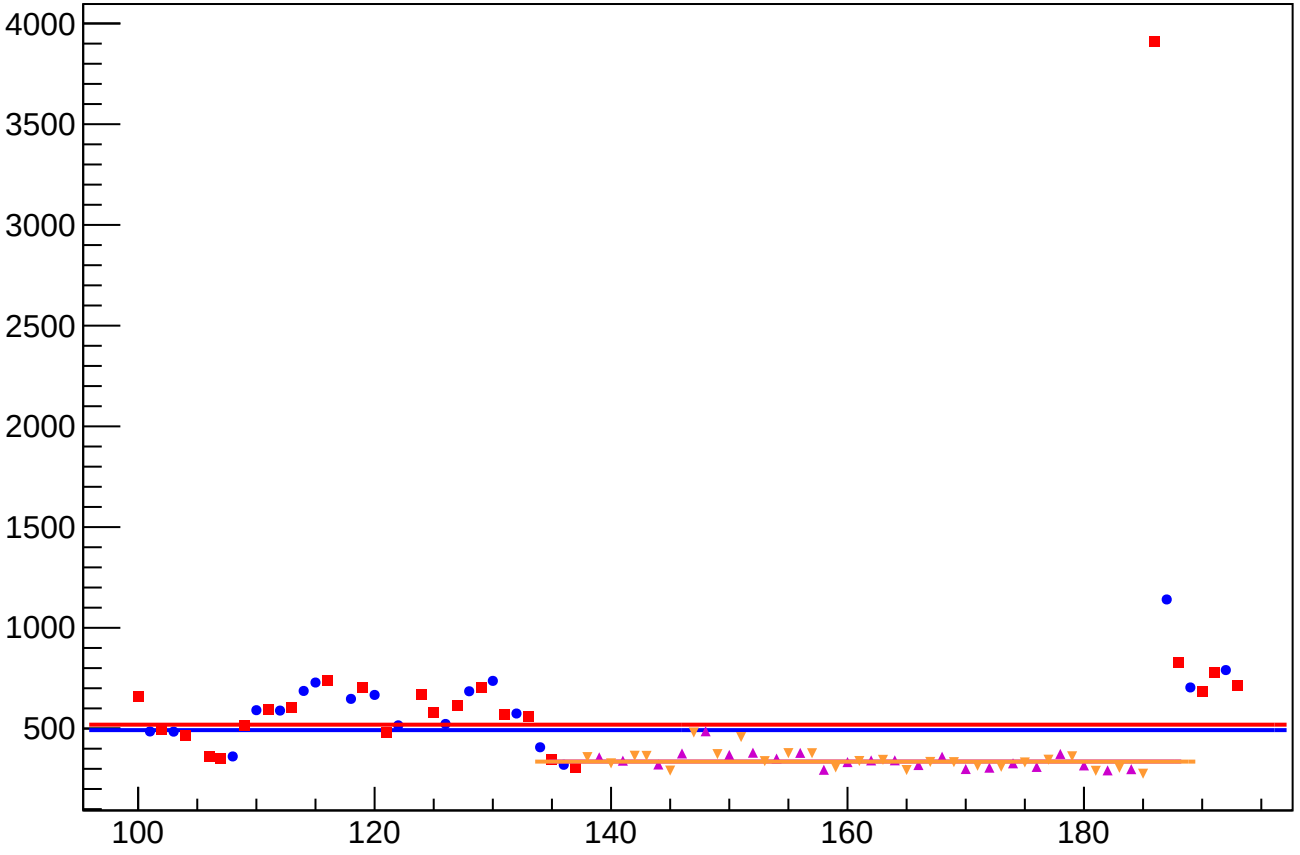
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -132.491+/-70.364 χ^2/NDF: 47.2/43

All: -73.037+/-50.309 χ^2/NDF: 106.8/90

- sign -10.856+/-71.959 χ^2/NDF: 58.2/46

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: 519.235+/-0.122 χ^2/NDF: 2039941.8/23

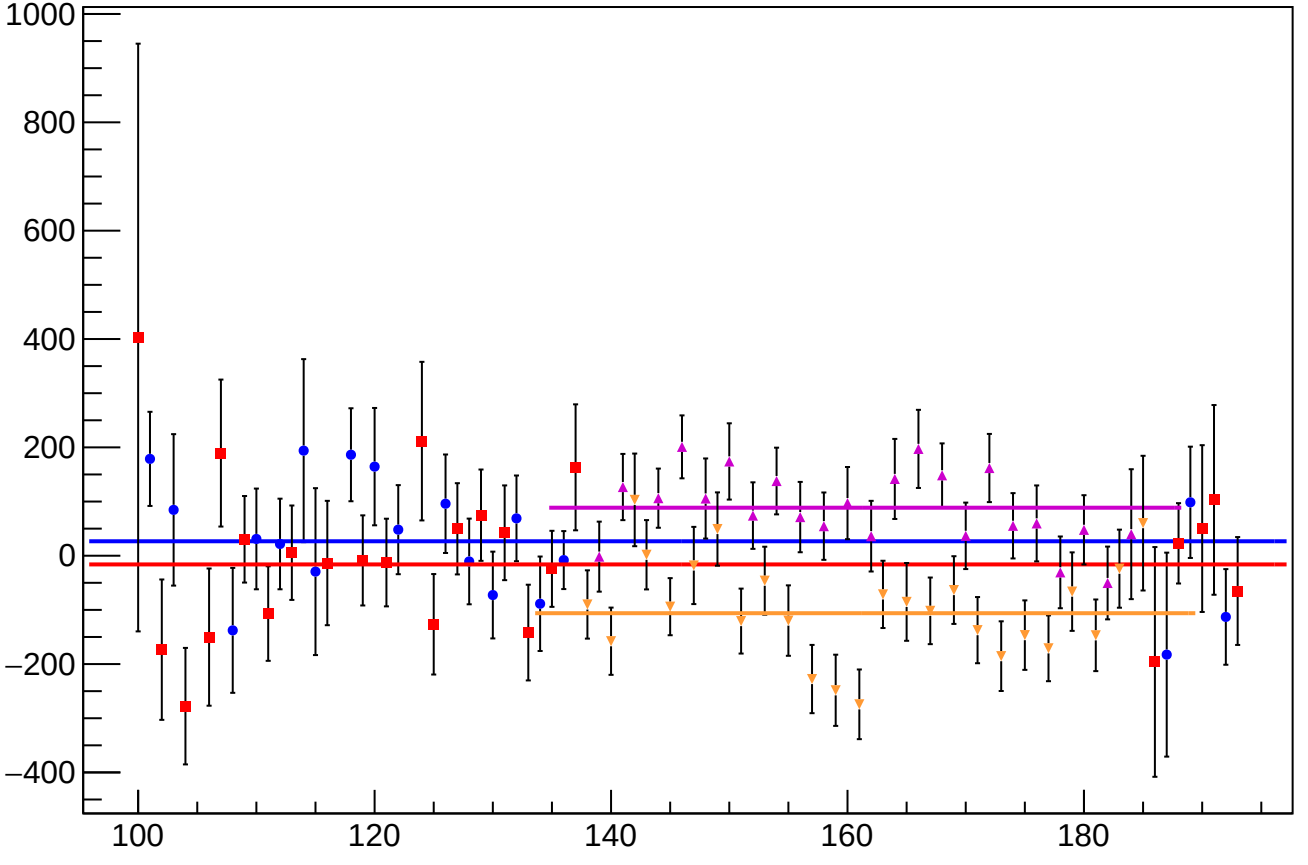
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 361.710+/-0.050 χ^2/NDF: 3450680.6/43

All: 364.896+/-0.036 χ^2/NDF: 7772932.3/90

- sign 368.229+/-0.051 χ^2/NDF: 4313860.0/46

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: -16.061+/-20.329 χ^2/NDF: 25.3/23

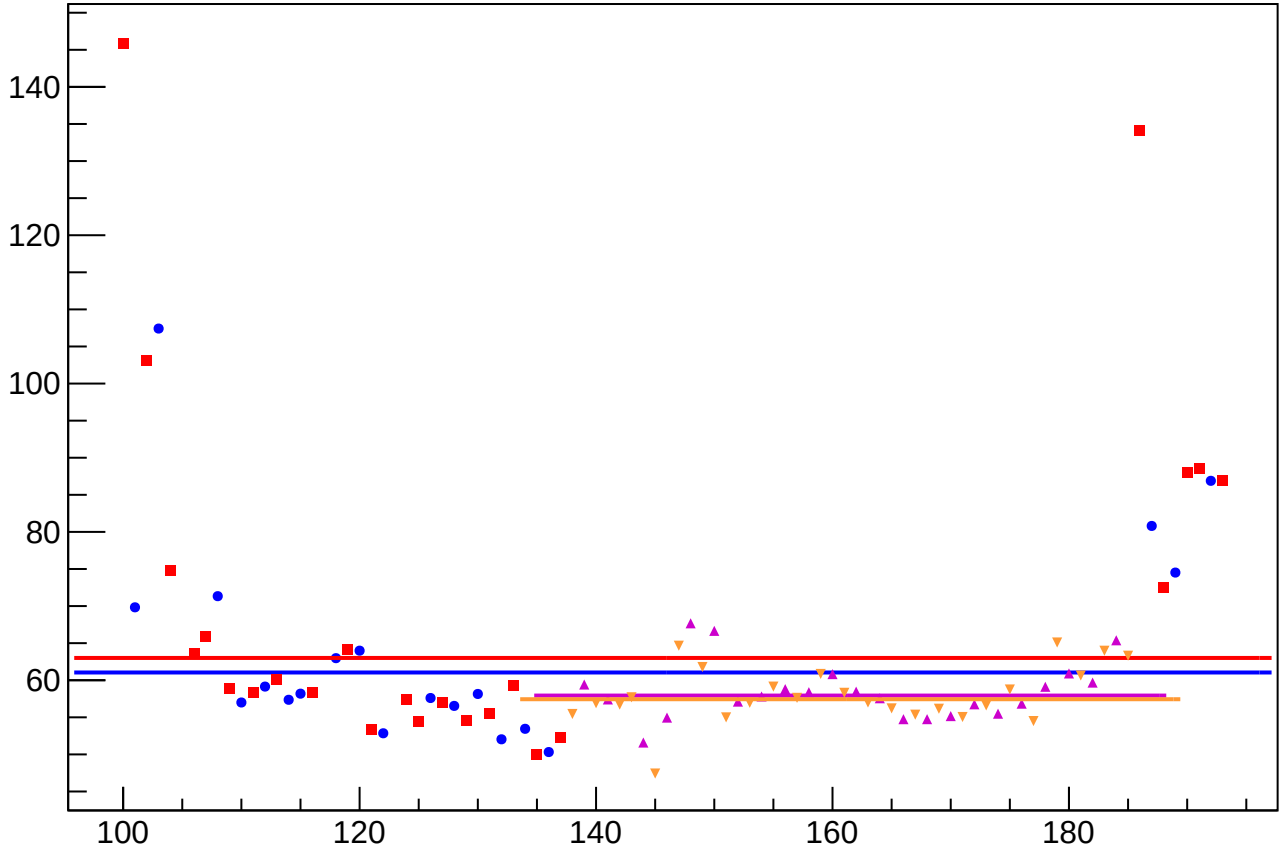
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -68.656+/-11.091 χ^2/NDF: 90.3/43

All: -7.224+/-7.910 χ^2/NDF: 220.2/90

- sign 56.368+/-11.284 χ^2/NDF: 67.5/46

eigen_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

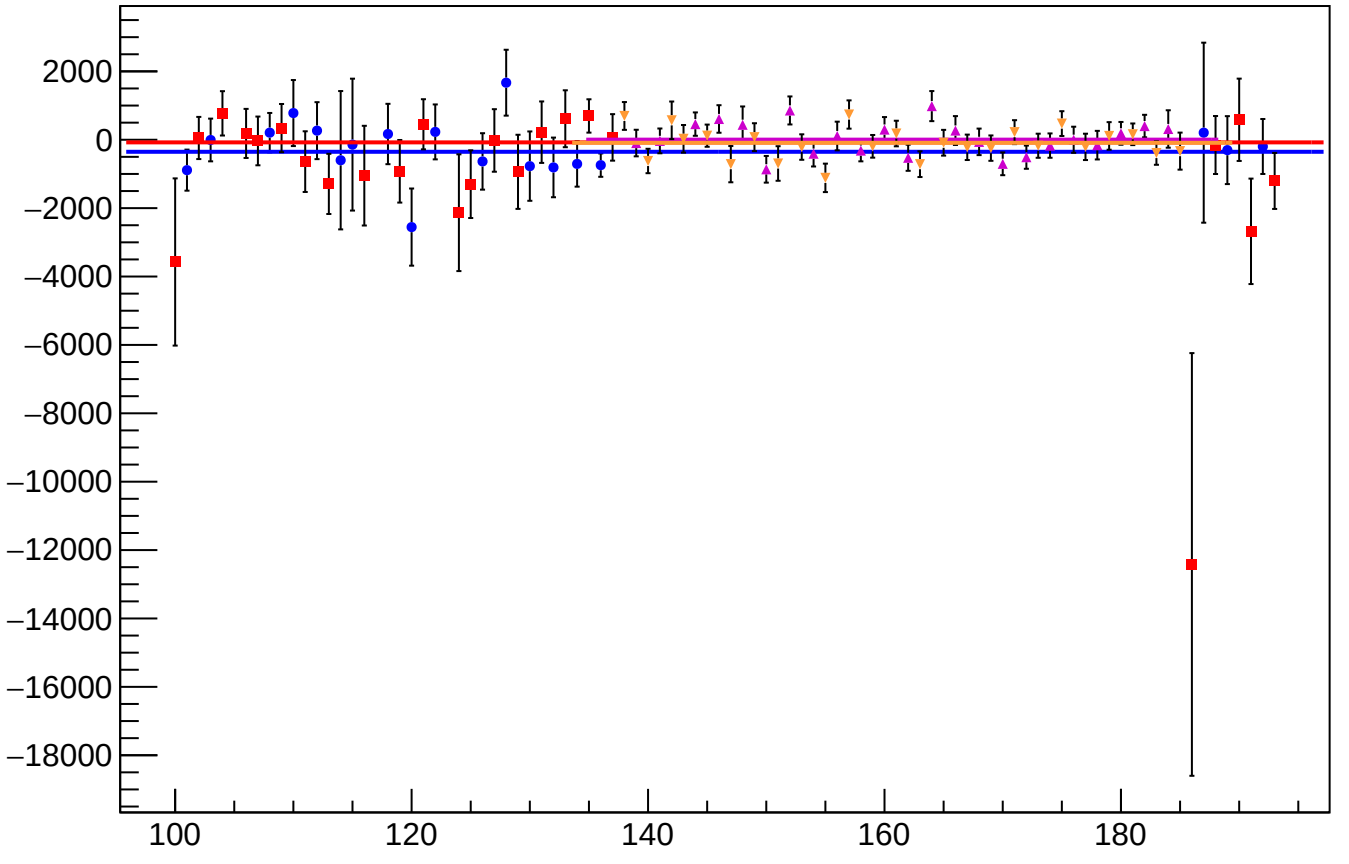
Right Out: 63.006+/-0.014 χ^2/NDF: 931617.0/23

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.457+/-0.008 χ^2/NDF: 863950.3/43

All: 58.967+/-0.006 χ^2/NDF: 2026268.2/90

- sign 59.496+/-0.008 χ^2/NDF: 1153694.8/46



Right In: -351.975+/-173.125 χ^2/NDF: 15.3/18

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

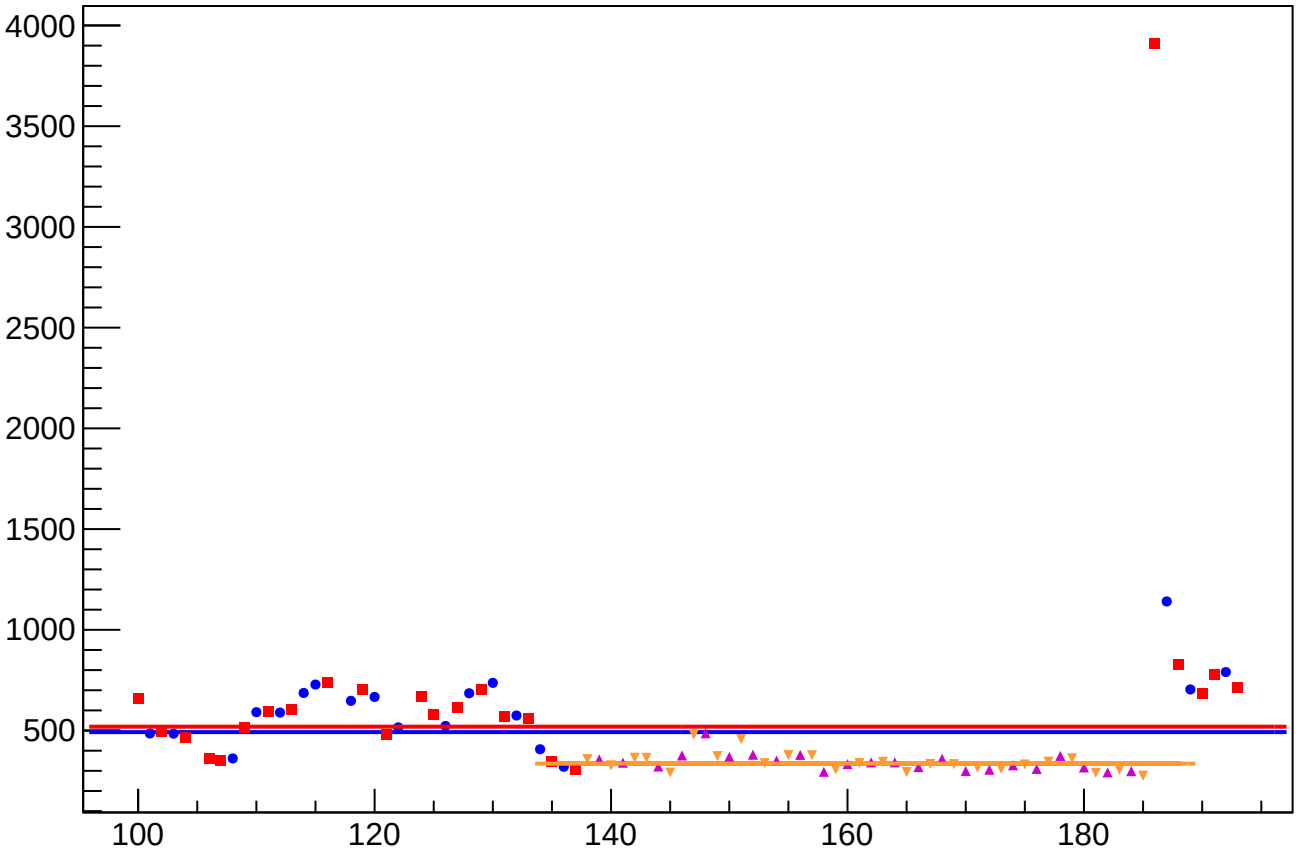
Right Out: -76.703+/-172.340 χ^2/NDF: 24.4/23

Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -132.491+/-70.364 χ^2/NDF: 47.2/43

All: -73.037+/-50.309 χ^2/NDF: 106.8/90

- sign -10.856+/-71.959 χ^2/NDF: 58.2/46



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: 519.235+/-0.122 χ^2/NDF: 2039941.8/23

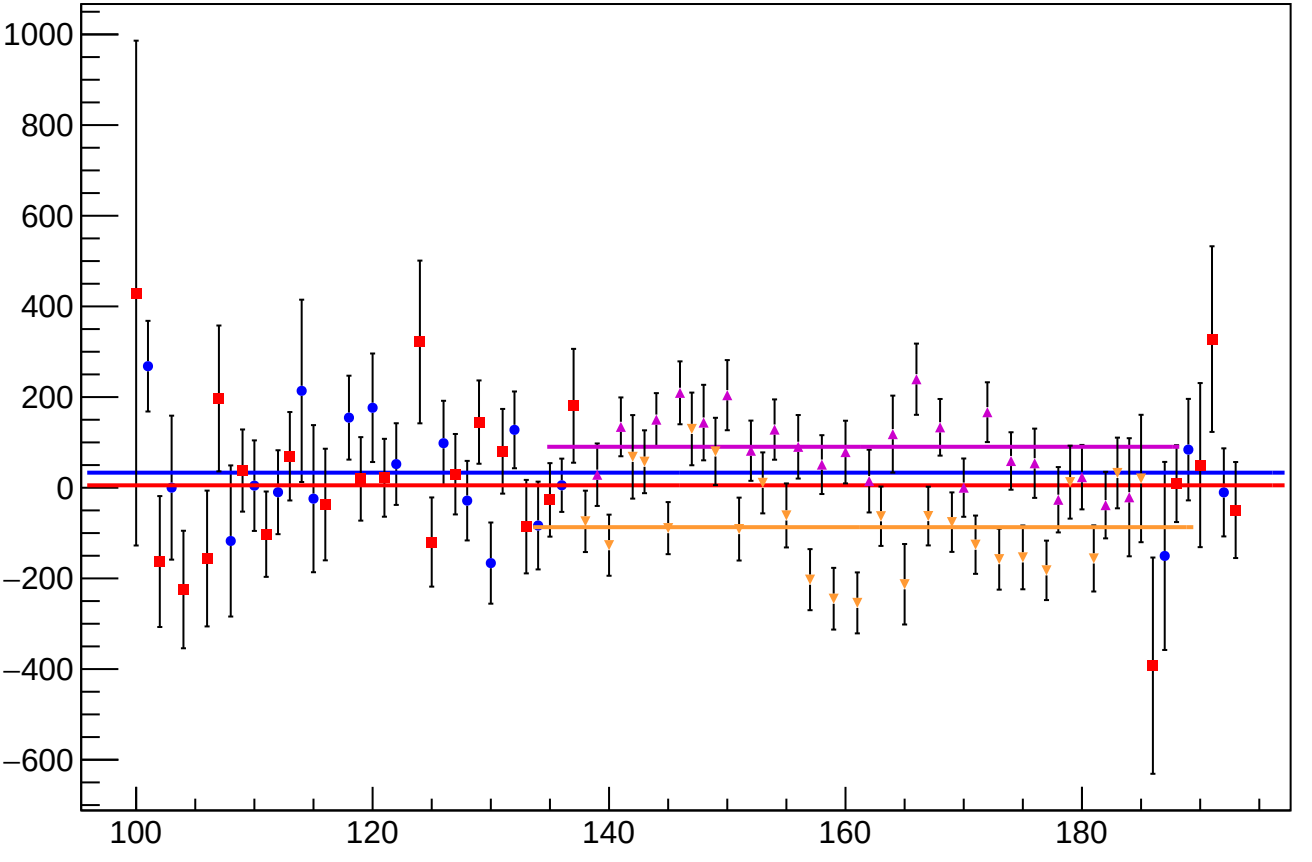
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 361.710+/-0.050 χ^2/NDF: 3450680.6/43

All: 364.896+/-0.036 χ^2/NDF: 7772932.3/90

- sign 368.229+/-0.051 χ^2/NDF: 4313860.0/46

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: 5.356+/-22.603 χ^2/NDF: 25.9/23

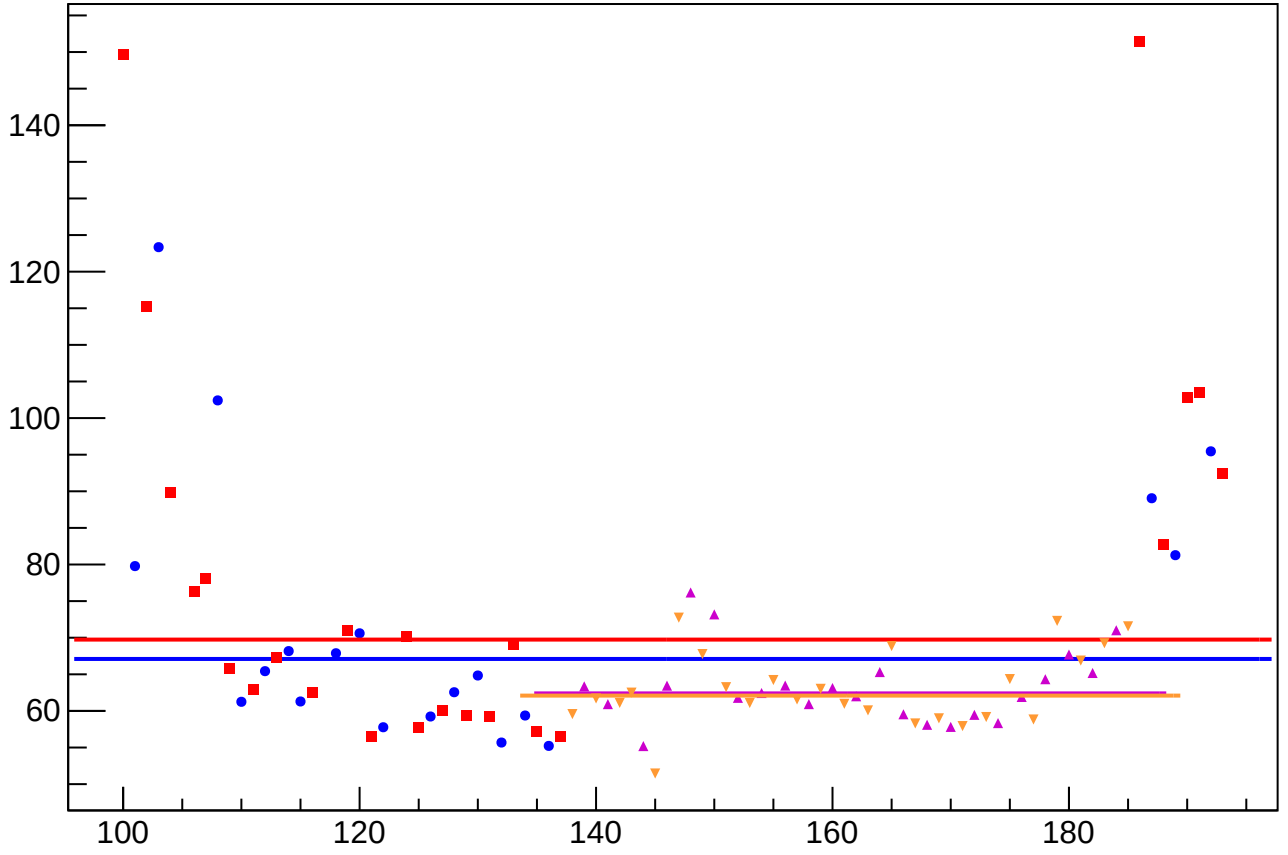
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -54.010+/-12.077 χ^2/NDF: 89.4/43

All: 4.518+/-8.617 χ^2/NDF: 198.2/90

- sign 65.201+/-12.297 χ^2/NDF: 60.9/46

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: 69.744+/-0.016 χ^2/NDF: 1037794.5/23

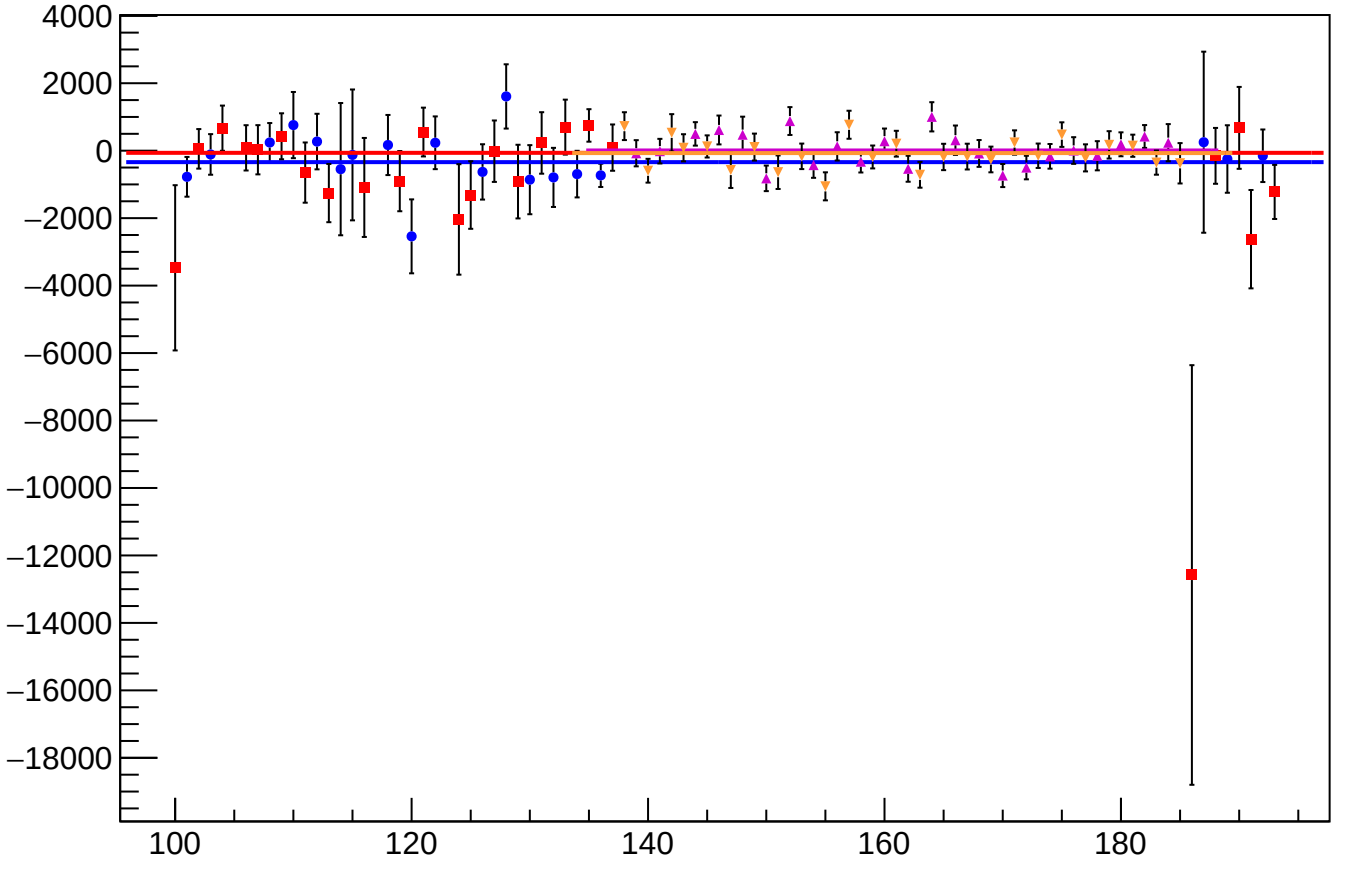
Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 63.465+/-0.009 χ^2/NDF: 1084525.0/43

All: 64.008+/-0.006 χ^2/NDF: 2468192.3/90

- sign 64.570+/-0.009 χ^2/NDF: 1375440.3/46

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: -63.763+/-170.191 χ^2/NDF: 25.3/23

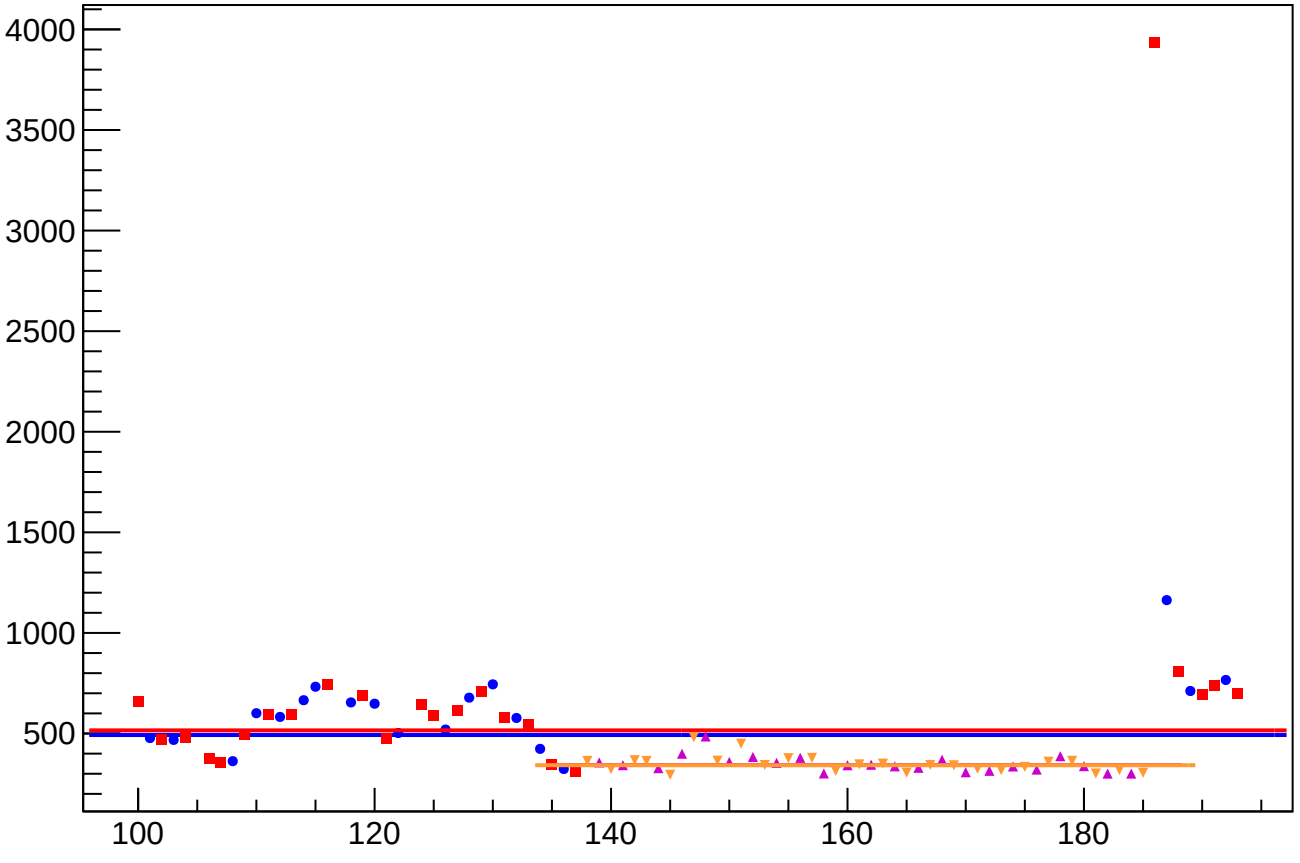
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -117.192+/-71.387 χ^2/NDF: 45.5/43

All: -63.158+/-51.026 χ^2/NDF: 106.1/90

- sign -6.712+/-72.962 χ^2/NDF: 59.4/46

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: 515.576+/-0.120 χ^2/NDF: 1976216.4/23

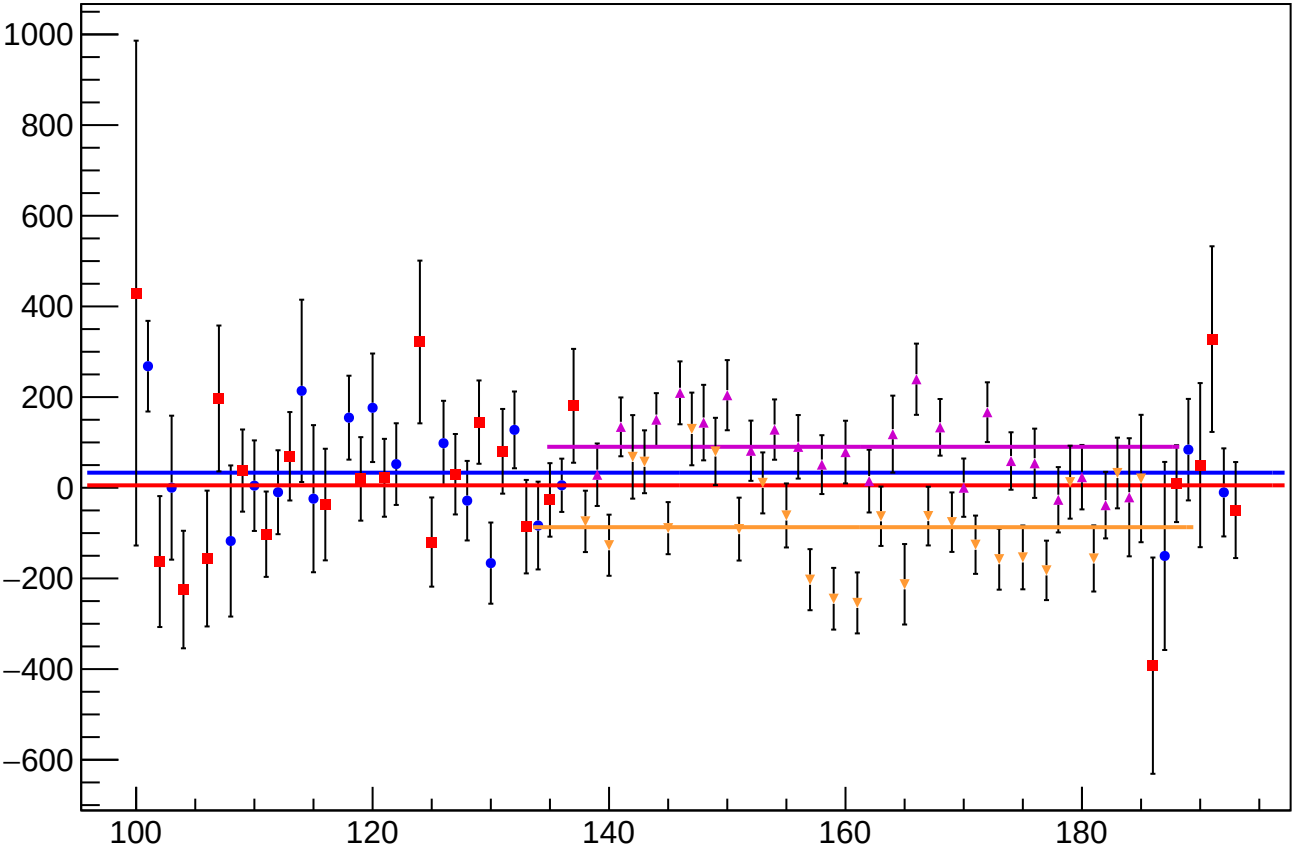
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 368.131+/-0.050 χ^2/NDF: 3175828.1/43

All: 371.450+/-0.036 χ^2/NDF: 7207611.2/90

- sign 374.917+/-0.052 χ^2/NDF: 4022943.0/46

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: 5.357+/-22.603 χ^2/NDF: 25.9/23

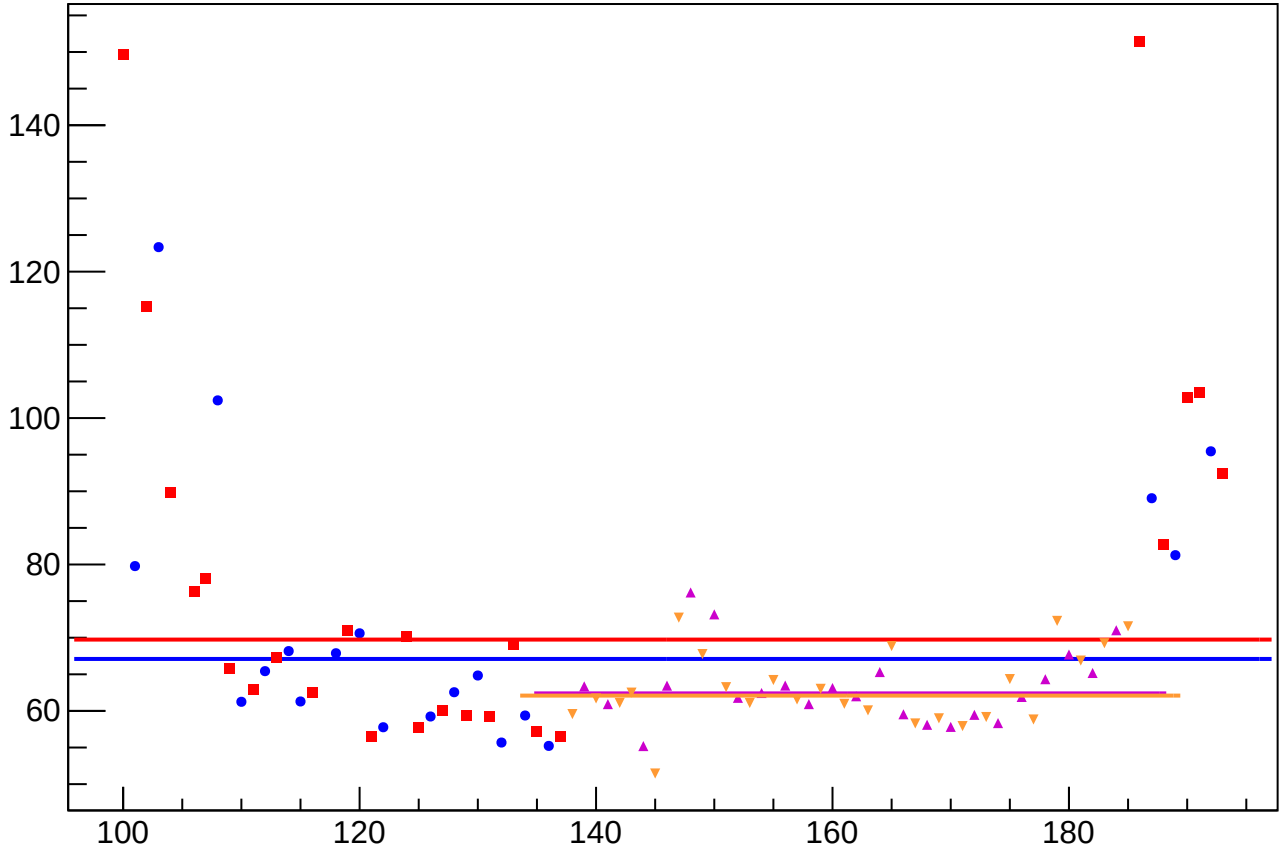
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -54.009+/-12.077 χ^2/NDF: 89.4/43

All: 4.519+/-8.617 χ^2/NDF: 198.2/90

- sign 65.201+/-12.297 χ^2/NDF: 60.9/46

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

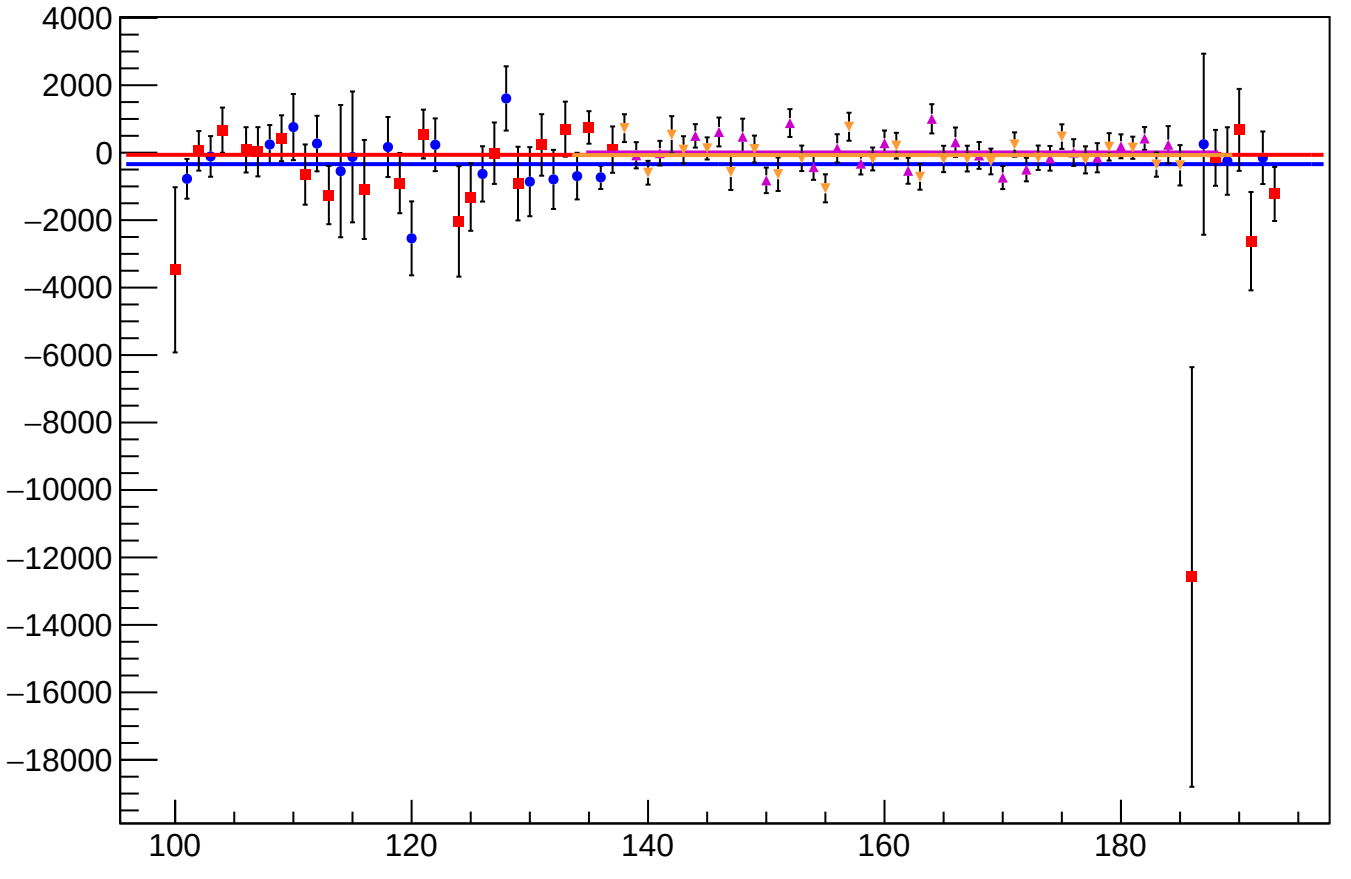
Right Out: 69.744+/-0.016 χ^2/NDF: 1037795.5/23

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 63.465+/-0.009 χ^2/NDF: 1084543.4/43

All: 64.008+/-0.006 χ^2/NDF: 2468211.2/90

- sign 64.570+/-0.009 χ^2/NDF: 1375440.5/46



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: -63.762+/-170.191 χ^2/NDF: 25.3/23

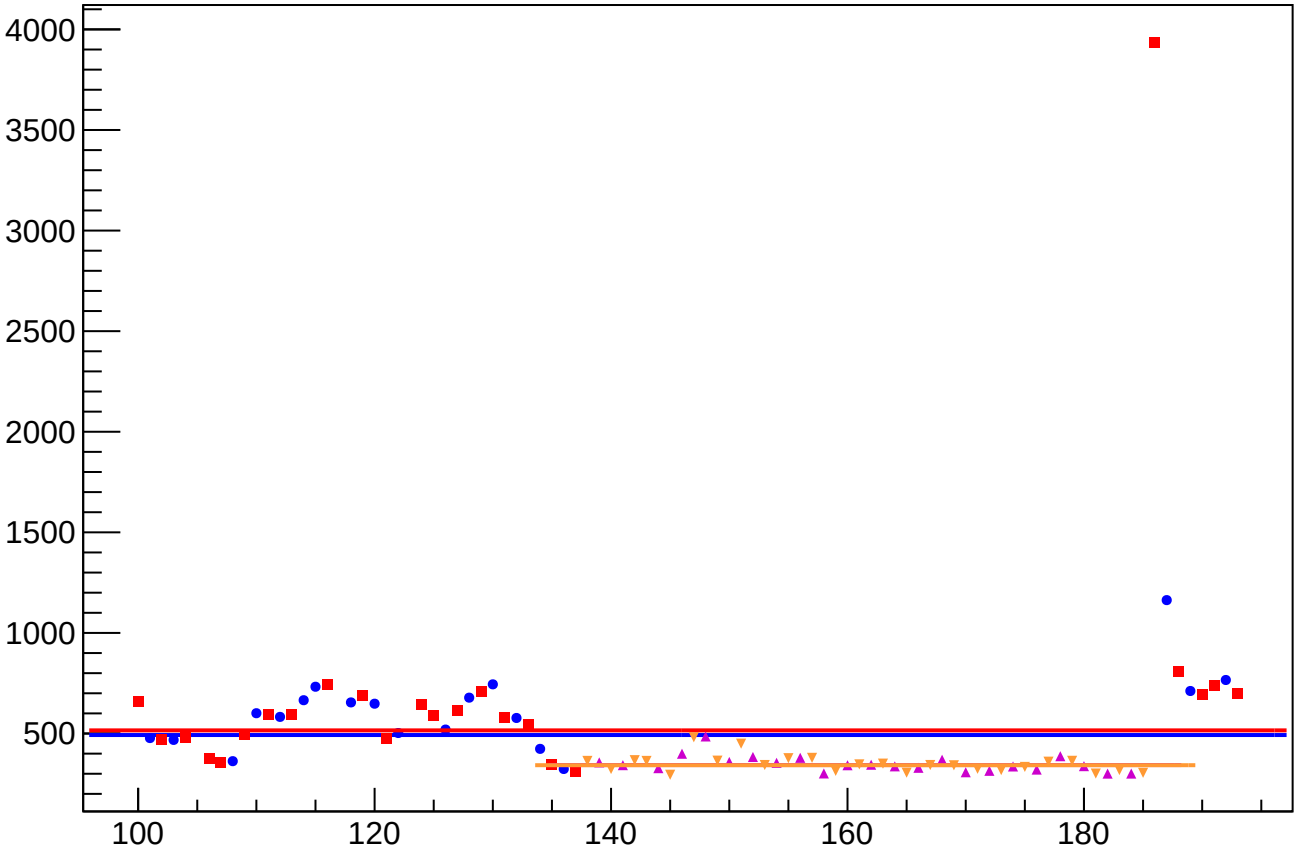
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -117.192+/-71.387 χ^2/NDF: 45.5/43

All: -63.158+/-51.026 χ^2/NDF: 106.1/90

- sign -6.712+/-72.962 χ^2/NDF: 59.4/46

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: 515.575+/-0.120 χ^2/NDF: 1976218.5/23

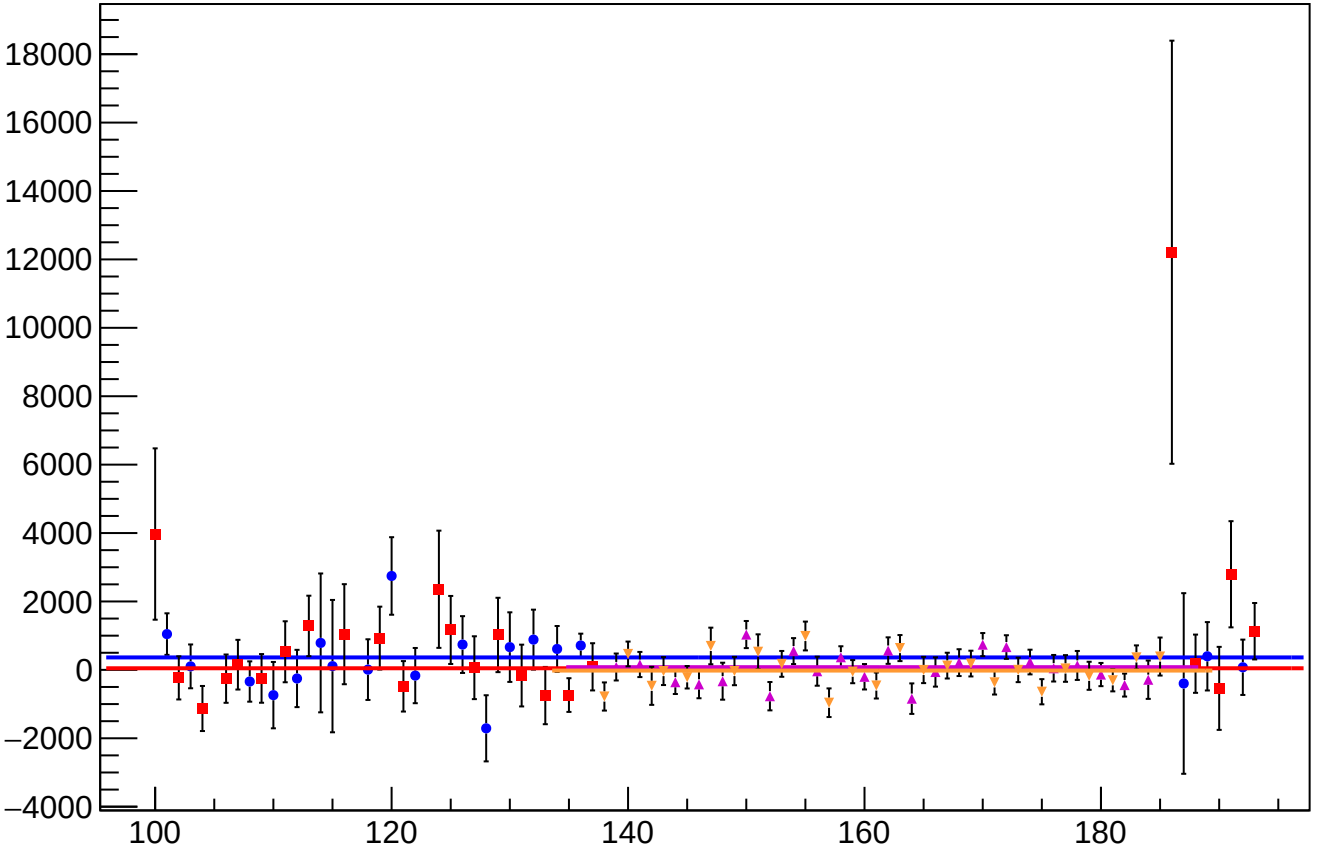
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 368.131+/-0.050 χ^2/NDF: 3175825.4/43

All: 371.450+/-0.036 χ^2/NDF: 7207598.8/90

- sign 374.917+/-0.052 χ^2/NDF: 4022933.2/46

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: 46.887+/-173.802 χ^2/NDF: 26.7/23

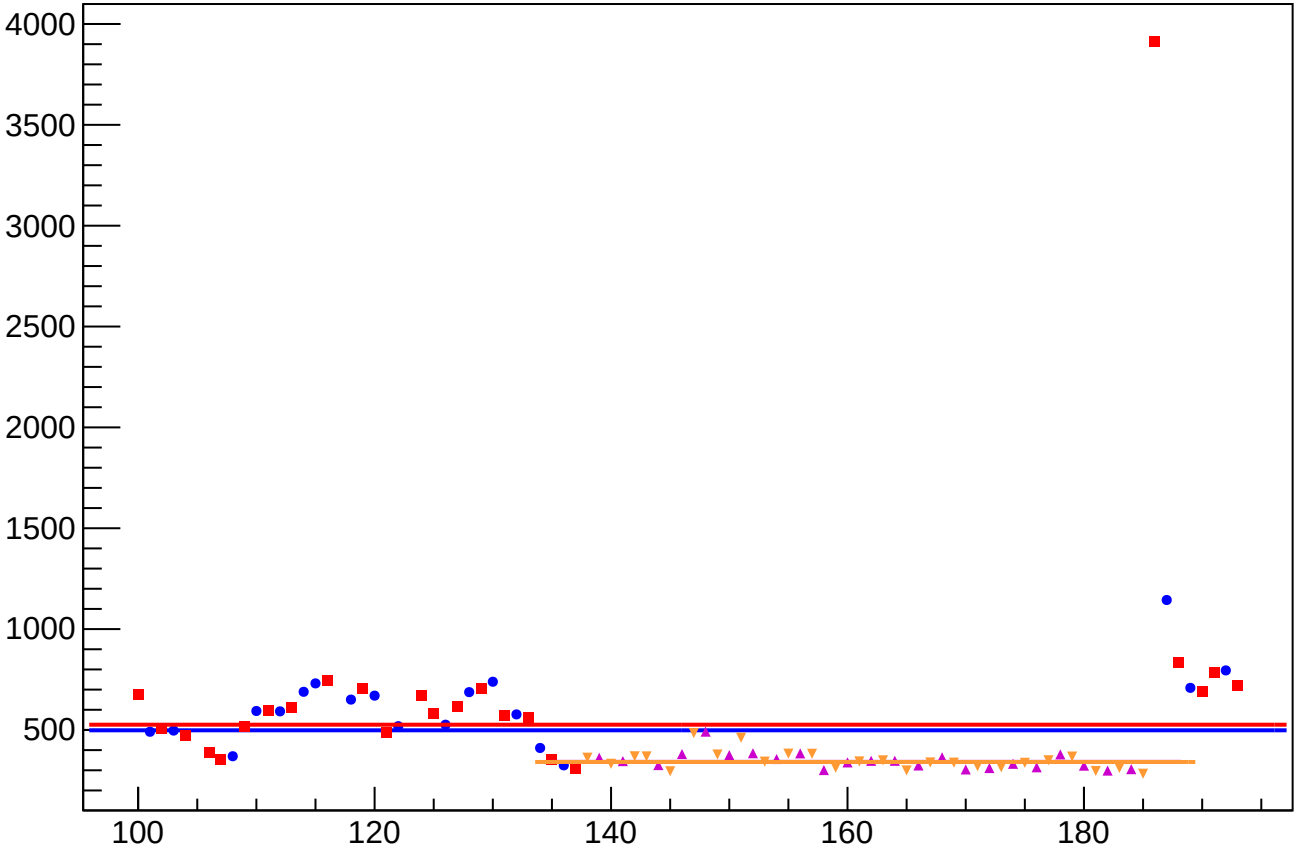
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 43.649+/-71.394 χ^2/NDF: 51.8/43

All: 58.055+/-51.034 χ^2/NDF: 111.6/90

- sign 73.107+/-72.978 χ^2/NDF: 59.7/46

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

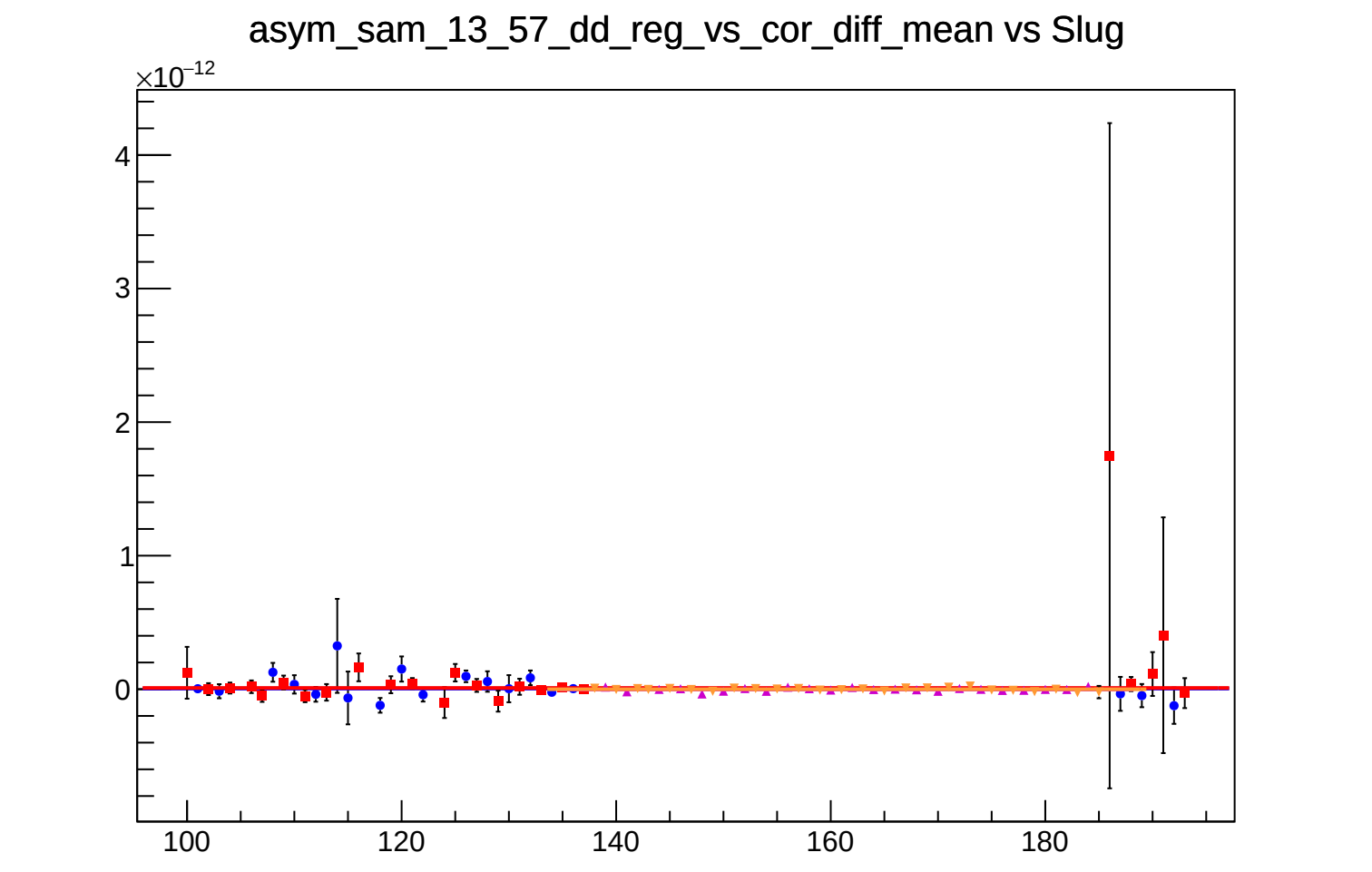
Right Out: 525.981+/-0.123 χ^2/NDF: 1981453.6/23

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 367.323+/-0.050 χ^2/NDF: 3368981.3/43

All: 370.650+/-0.036 χ^2/NDF: 7609777.5/90

- sign 374.126+/-0.052 χ^2/NDF: 4231915.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

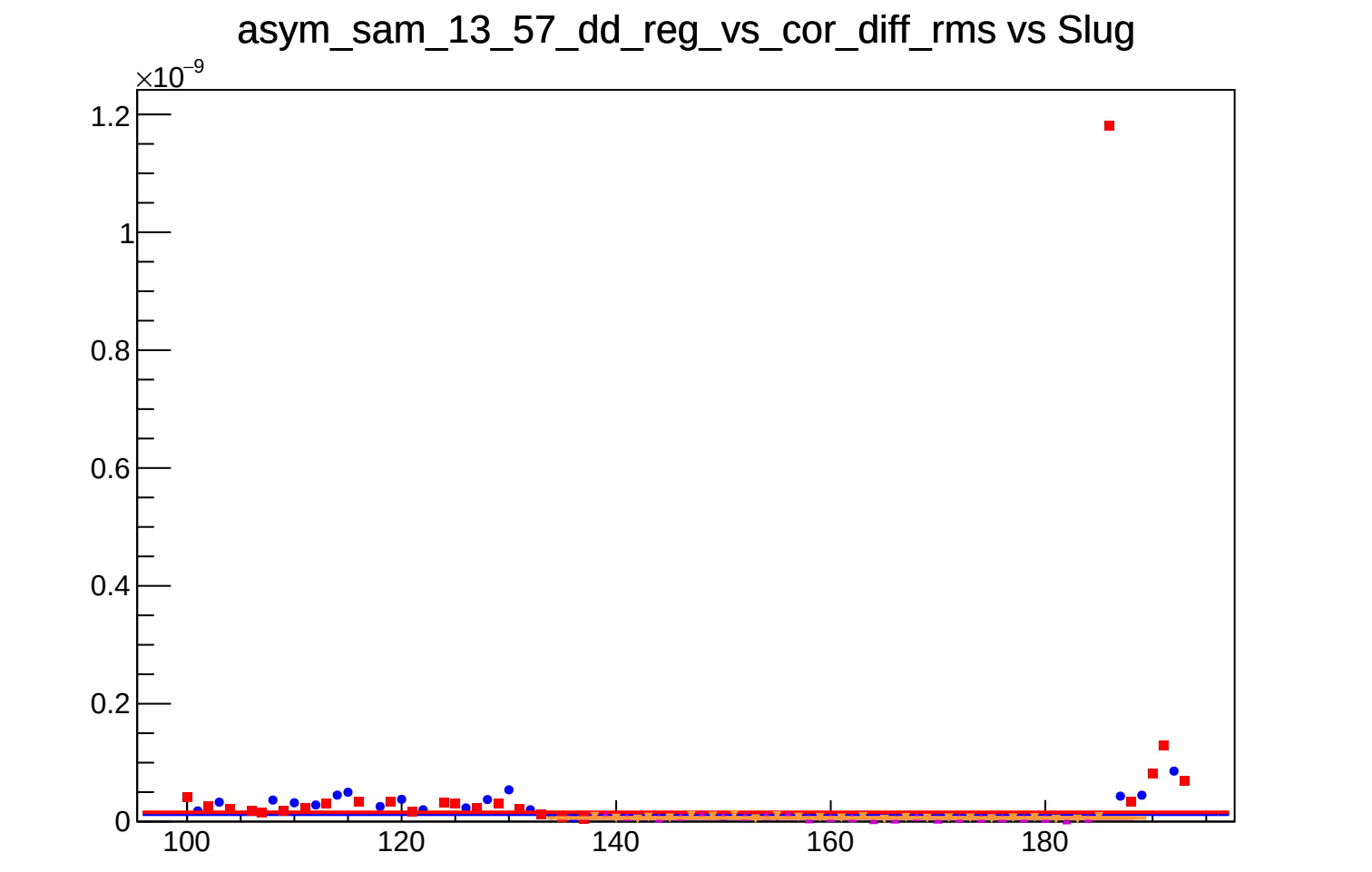
Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/23

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: 73.6/90

- sign -0.000+/-0.000 χ^2/NDF: 31.4/46



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: 3304881.8/23

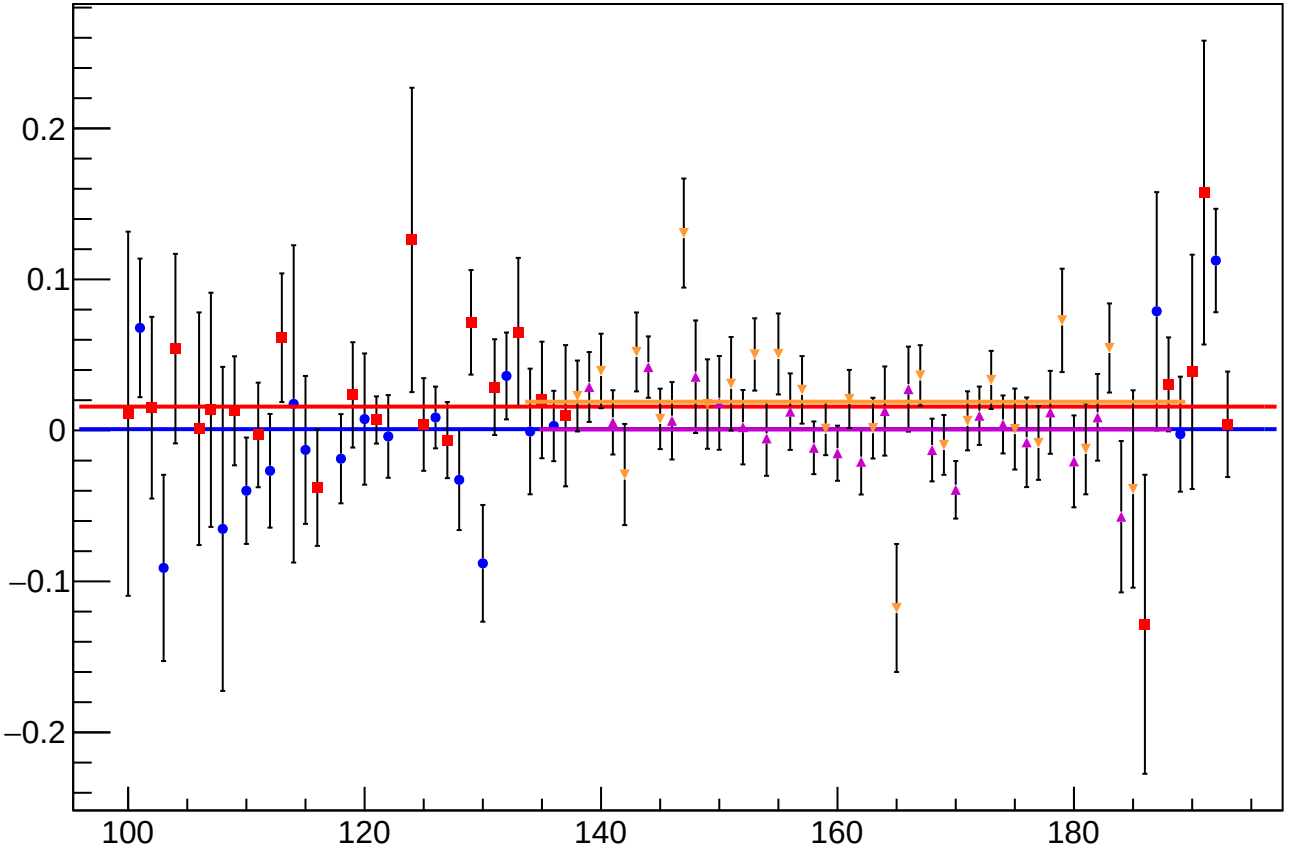
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6135054.3/43

All: 0.000+/-0.000 χ^2/NDF: 13210788.5/90

- sign 0.000+/-0.000 χ^2/NDF: 7075730.8/46

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

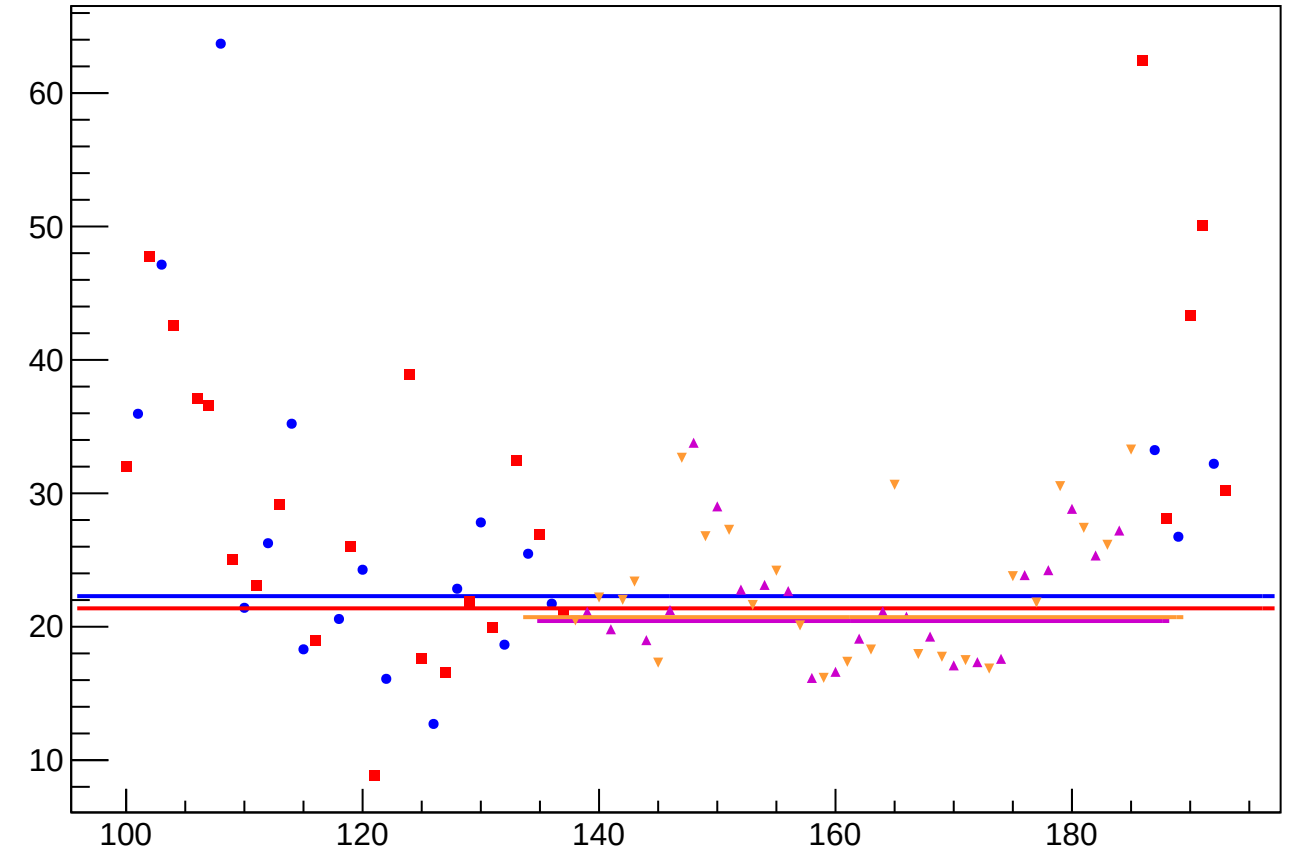
Right Out: 0.016+/-0.008 χ^2/NDF: 14.6/23

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: 109.0/90

- sign 0.005+/-0.004 χ^2/NDF: 35.0/46



Right In: 22.293+/-0.006 χ^2/NDF: 1739394.0/18

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

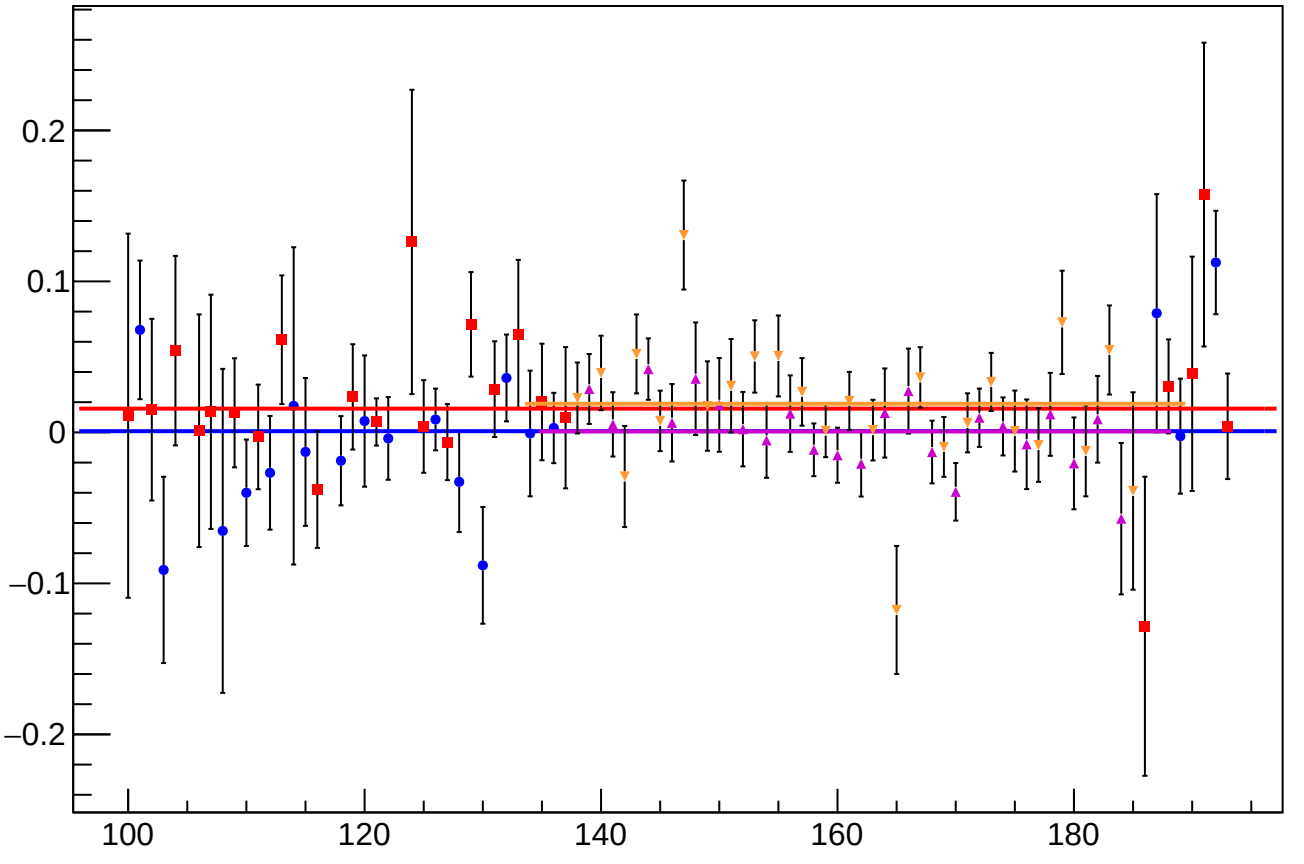
Right Out: 21.379+/-0.005 χ^2/NDF: 3410366.6/23

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.135+/-0.003 χ^2/NDF: 3301099.9/43

All: 20.919+/-0.002 χ^2/NDF: 7917644.4/90

- sign 20.707+/-0.003 χ^2/NDF: 4606004.9/46



Right In: 0.001+/-0.008 χ^2/NDF: 26.8/18

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

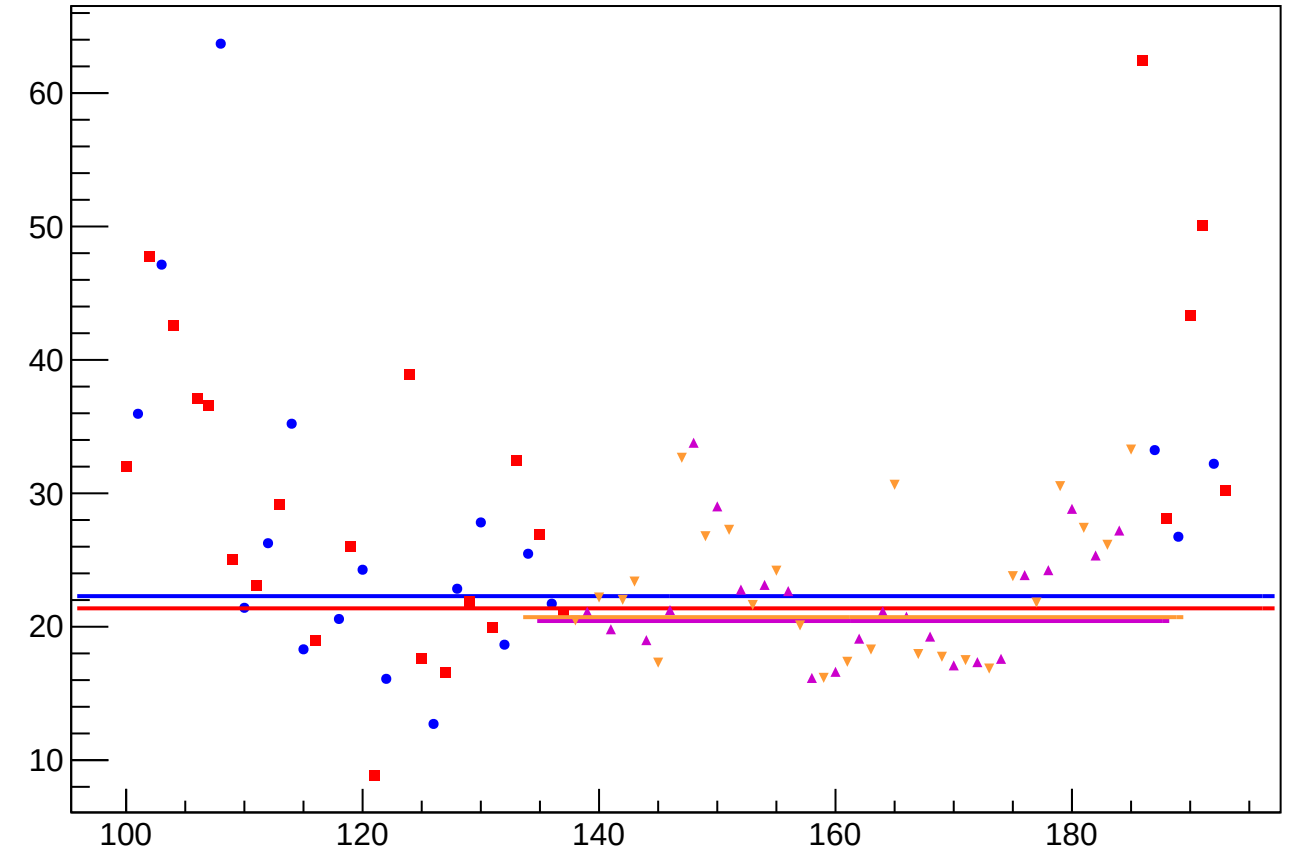
Right Out: 0.016+/-0.008 χ^2/NDF: 14.6/23

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: 109.0/90

- sign 0.005+/-0.004 χ^2/NDF: 35.0/46



Right In: 22.293+/-0.006 χ^2/NDF: 1739394.0/18

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

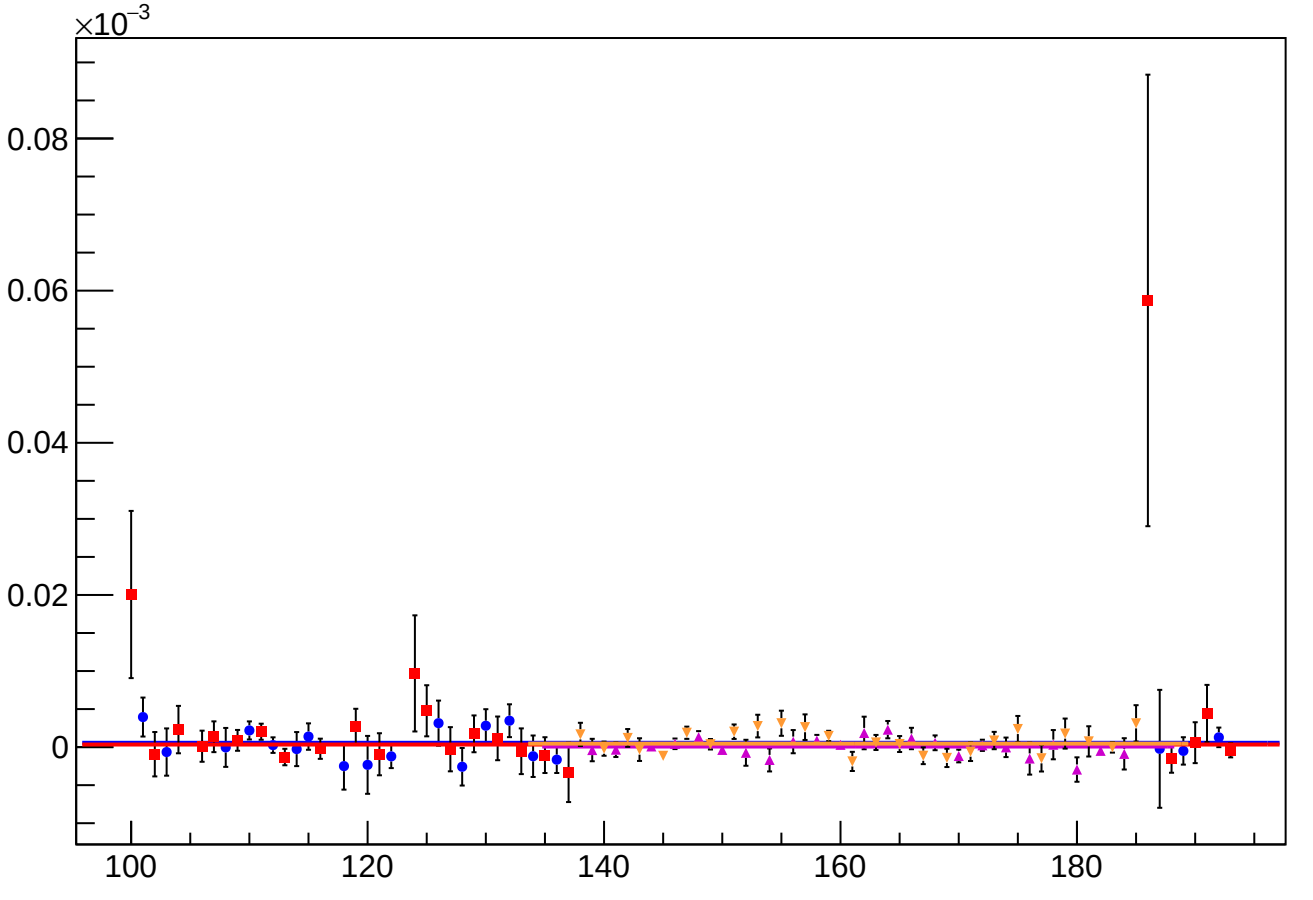
Right Out: 21.379+/-0.005 χ^2/NDF: 3410366.6/23

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.135+/-0.003 χ^2/NDF: 3301099.9/43

All: 20.919+/-0.002 χ^2/NDF: 7917644.4/90

- sign 20.707+/-0.003 χ^2/NDF: 4606004.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/23

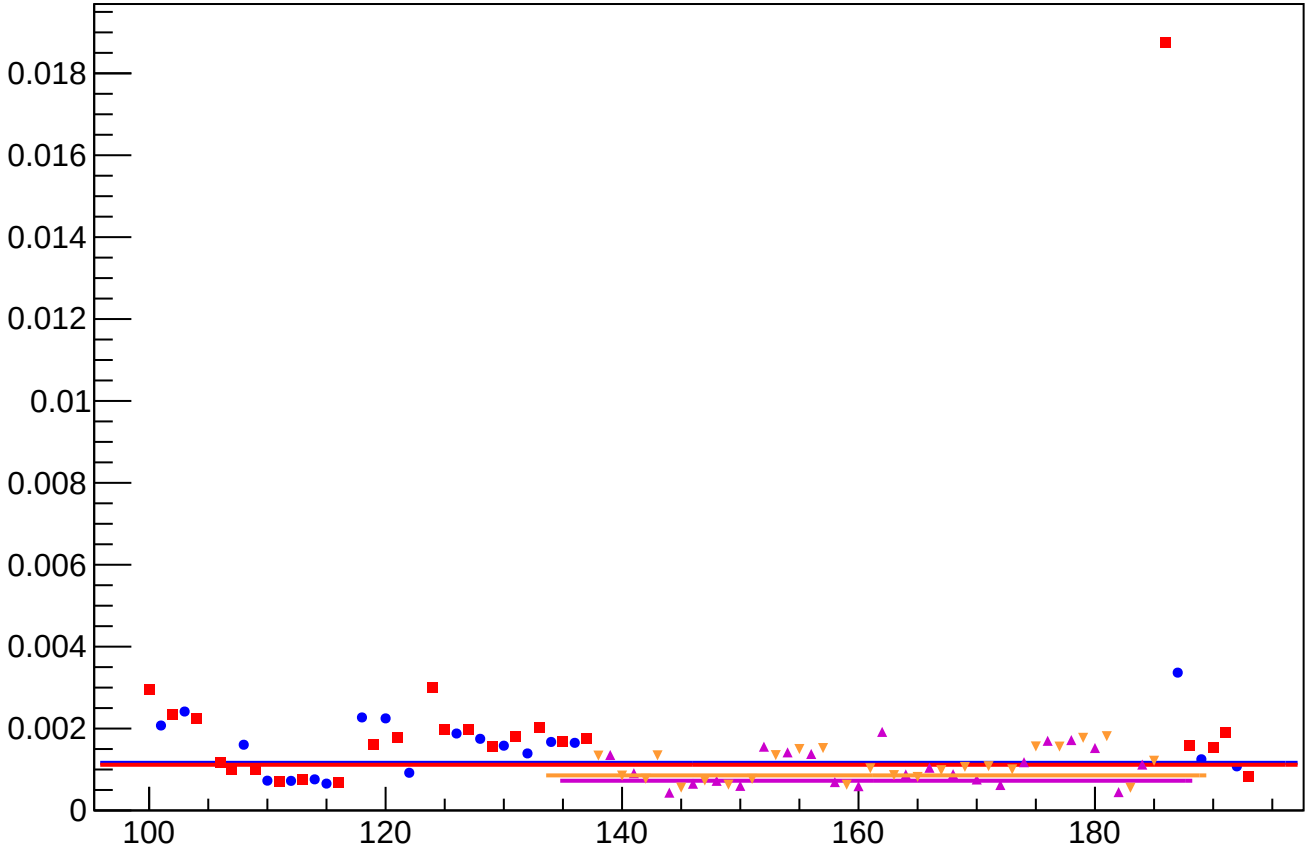
Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/43

All: 0.000+/-0.000 χ^2/NDF: 96.0/90

- sign 0.000+/-0.000 χ^2/NDF: 42.1/46

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug



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: 3787201.9/23

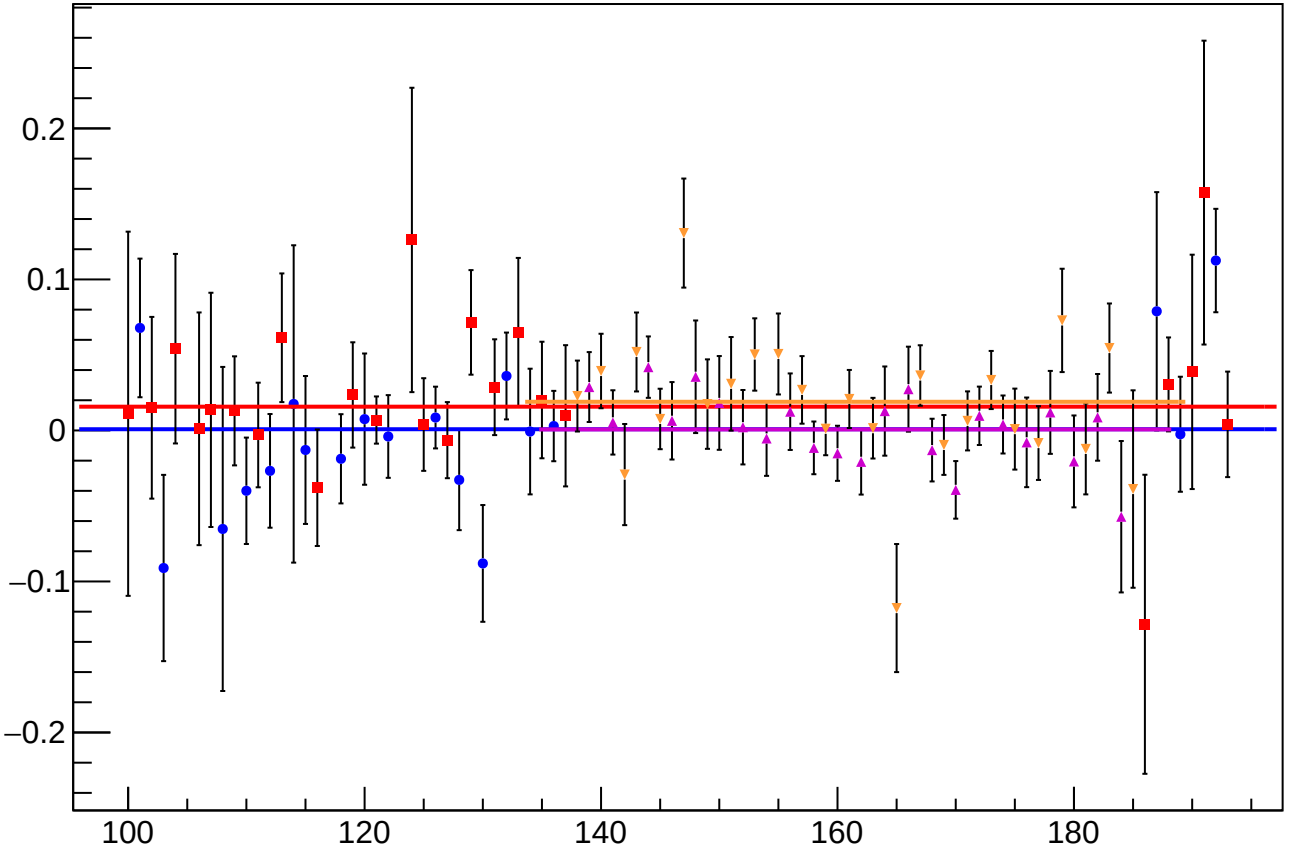
Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 7955053.2/43

All: 0.001+/-0.000 χ^2/NDF: 19565332.2/90

- sign 0.001+/-0.000 χ^2/NDF: 11178870.0/46

asym_sam_13_57_dd_eigen_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

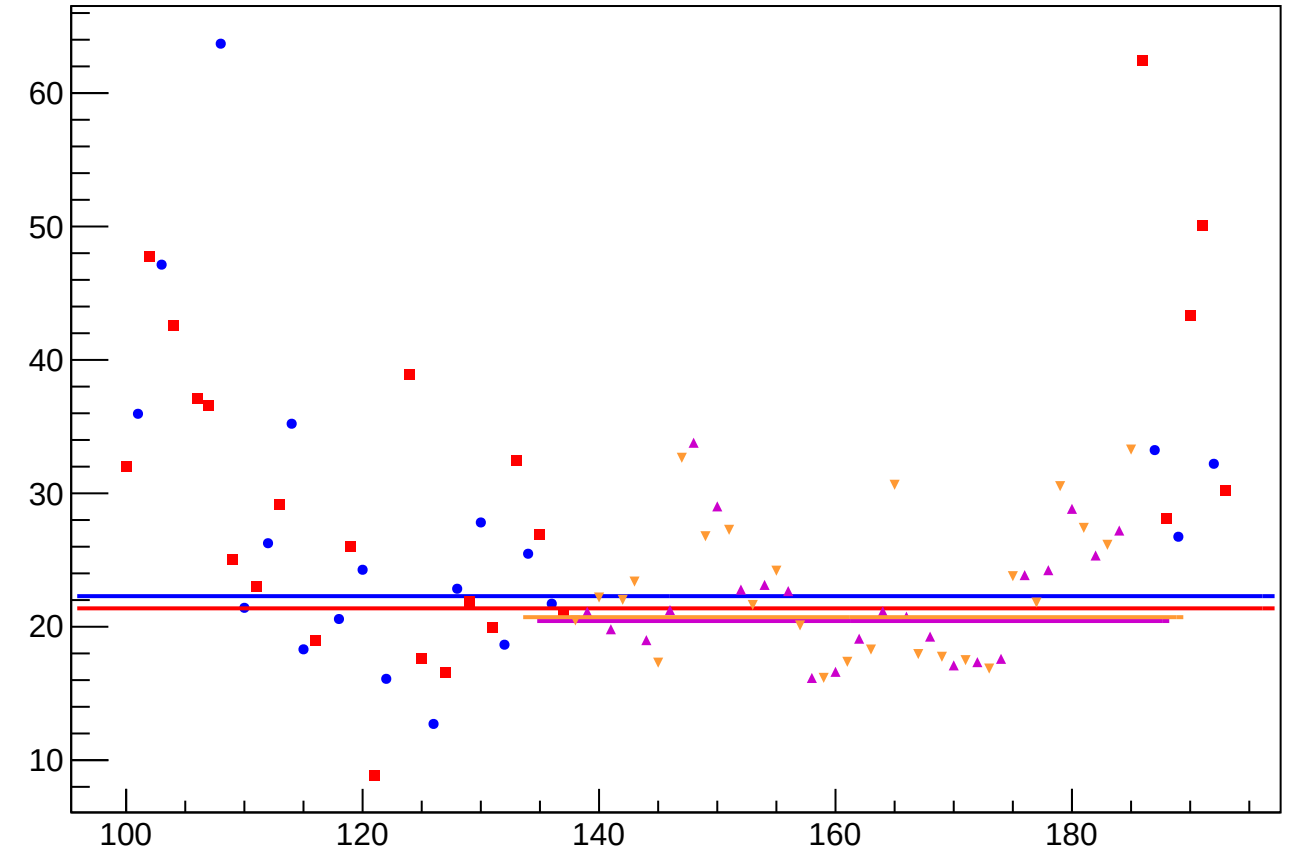
Right Out: 0.016+/-0.008 χ^2/NDF: 14.6/23

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: 109.0/90

- sign 0.005+/-0.004 χ^2/NDF: 35.0/46



Right In: 22.294+/-0.006 χ^2/NDF: 1739228.4/18

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

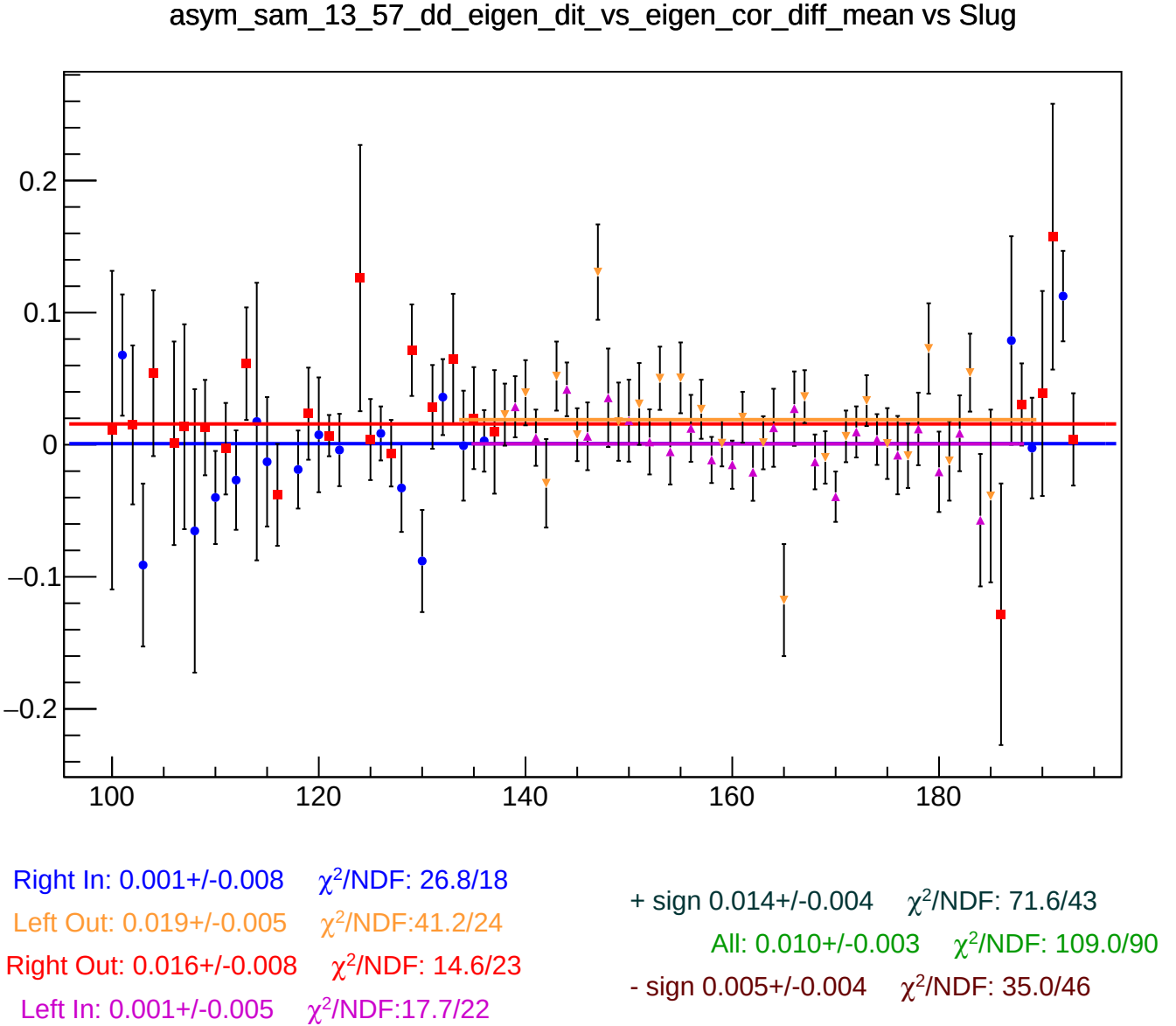
Right Out: 21.379+/-0.005 χ^2/NDF: 3409881.7/23

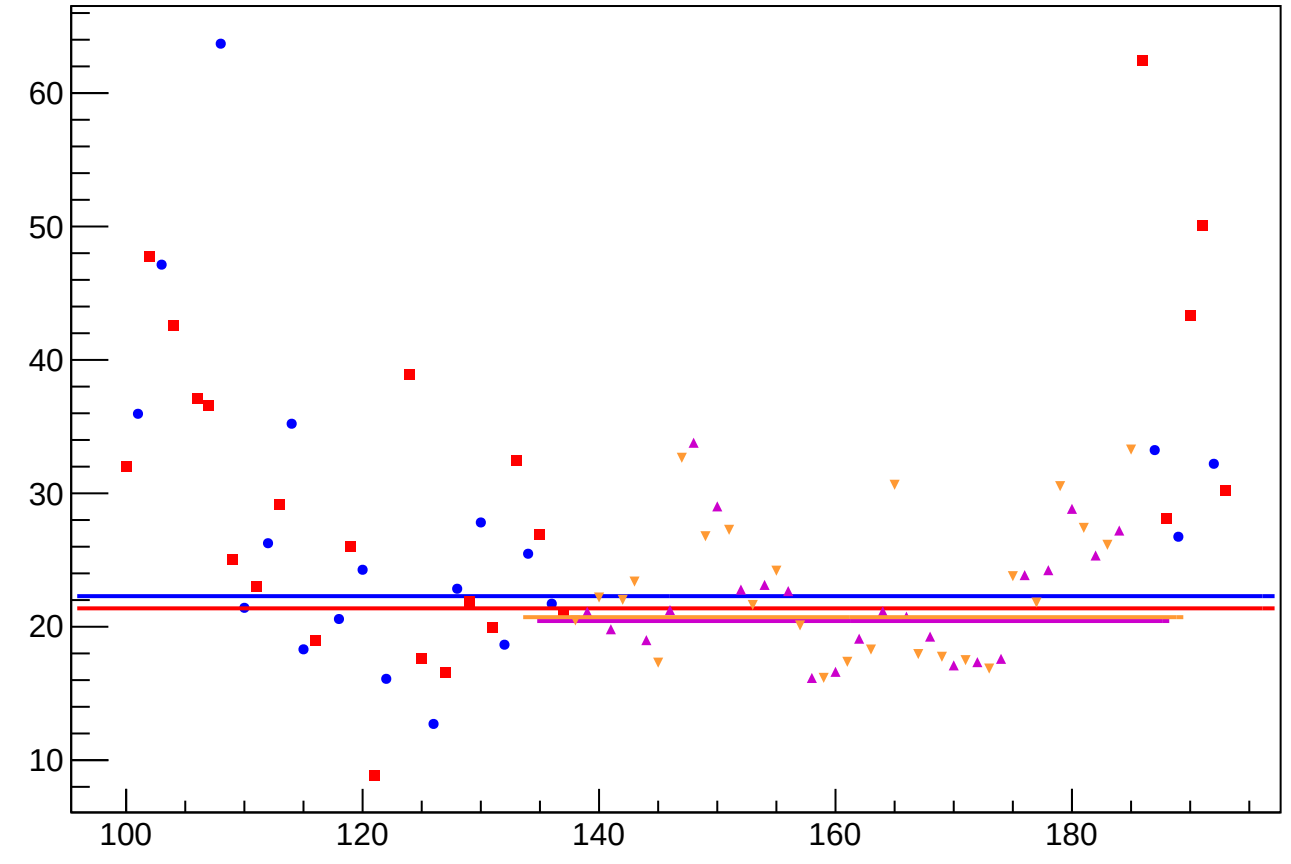
Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 21.135+/-0.003 χ^2/NDF: 3301060.5/43

All: 20.920+/-0.002 χ^2/NDF: 7917184.7/90

- sign 20.707+/-0.003 χ^2/NDF: 4605592.6/46


asym_sam_13_57_dd_eigen_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: 14.6/23
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: 109.0/90
- sign 0.005+/-0.004 χ²/NDF: 35.0/46



Right In: 22.294+/-0.006 χ^2/NDF: 1739228.4/18

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

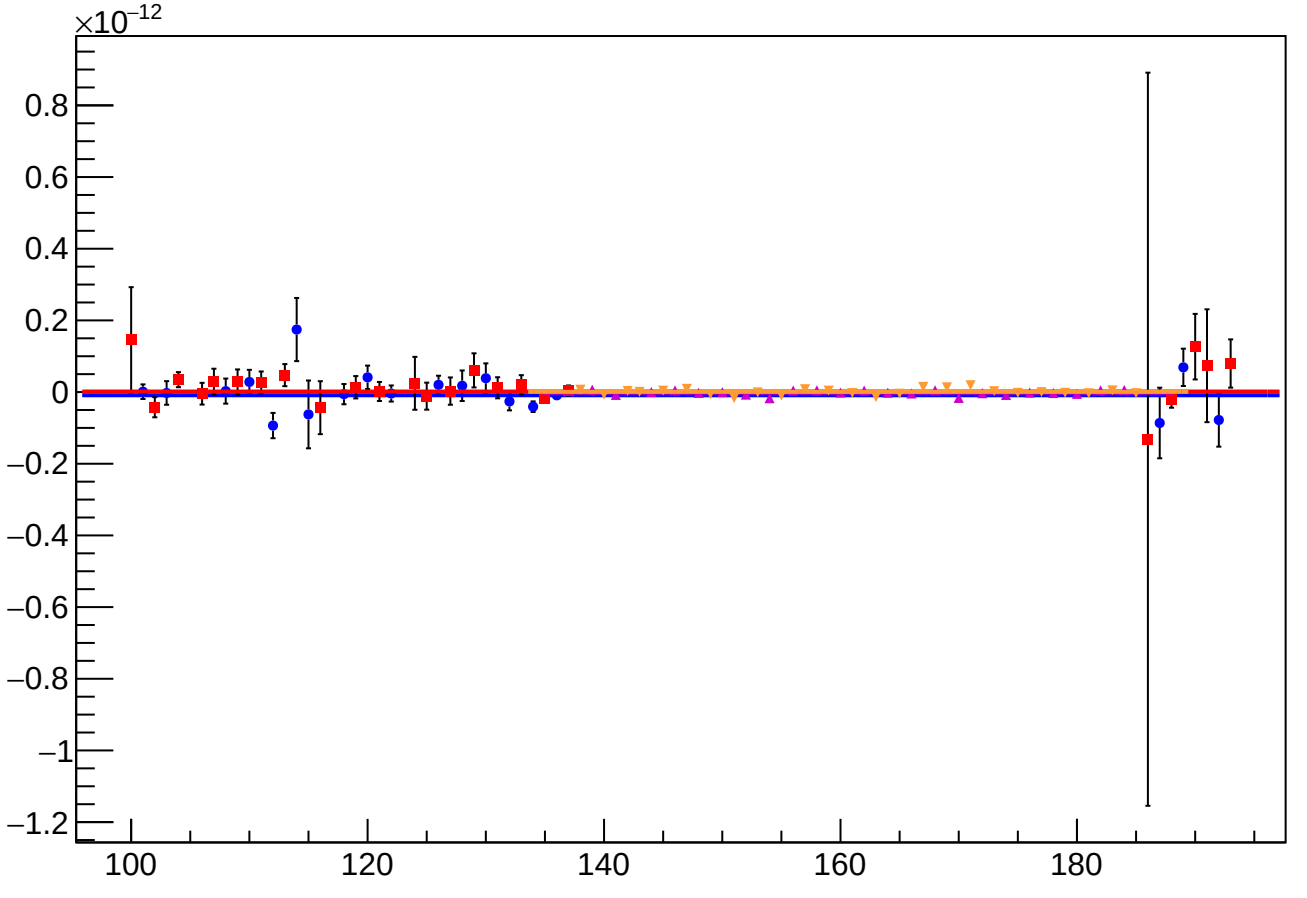
Right Out: 21.379+/-0.005 χ^2/NDF: 3409881.7/23

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 21.135+/-0.003 χ^2/NDF: 3301060.5/43

All: 20.920+/-0.002 χ^2/NDF: 7917184.7/90

- sign 20.707+/-0.003 χ^2/NDF: 4605592.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

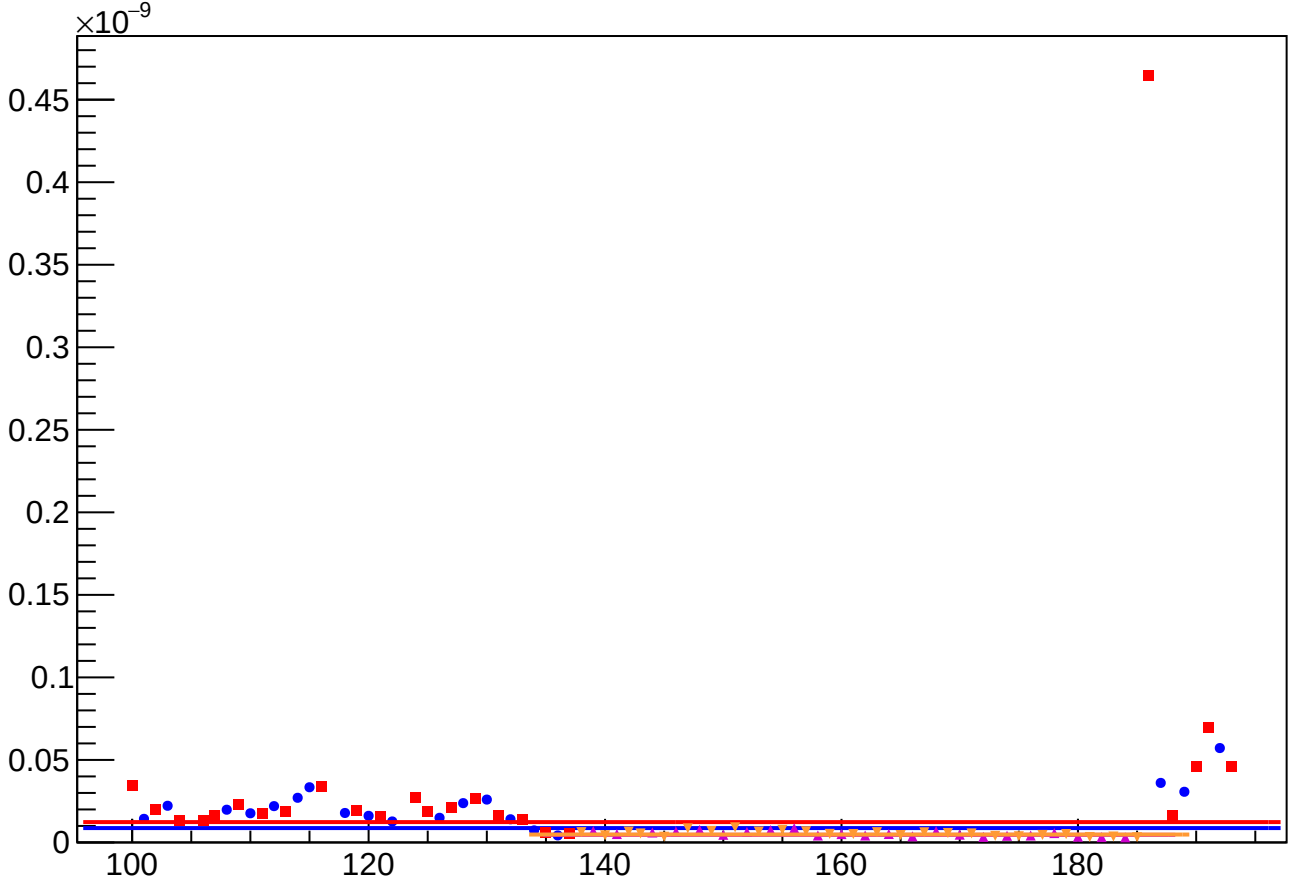
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/23

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: 102.3/90

- sign -0.000+/-0.000 χ^2/NDF: 42.3/46



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: 4138473.8/23

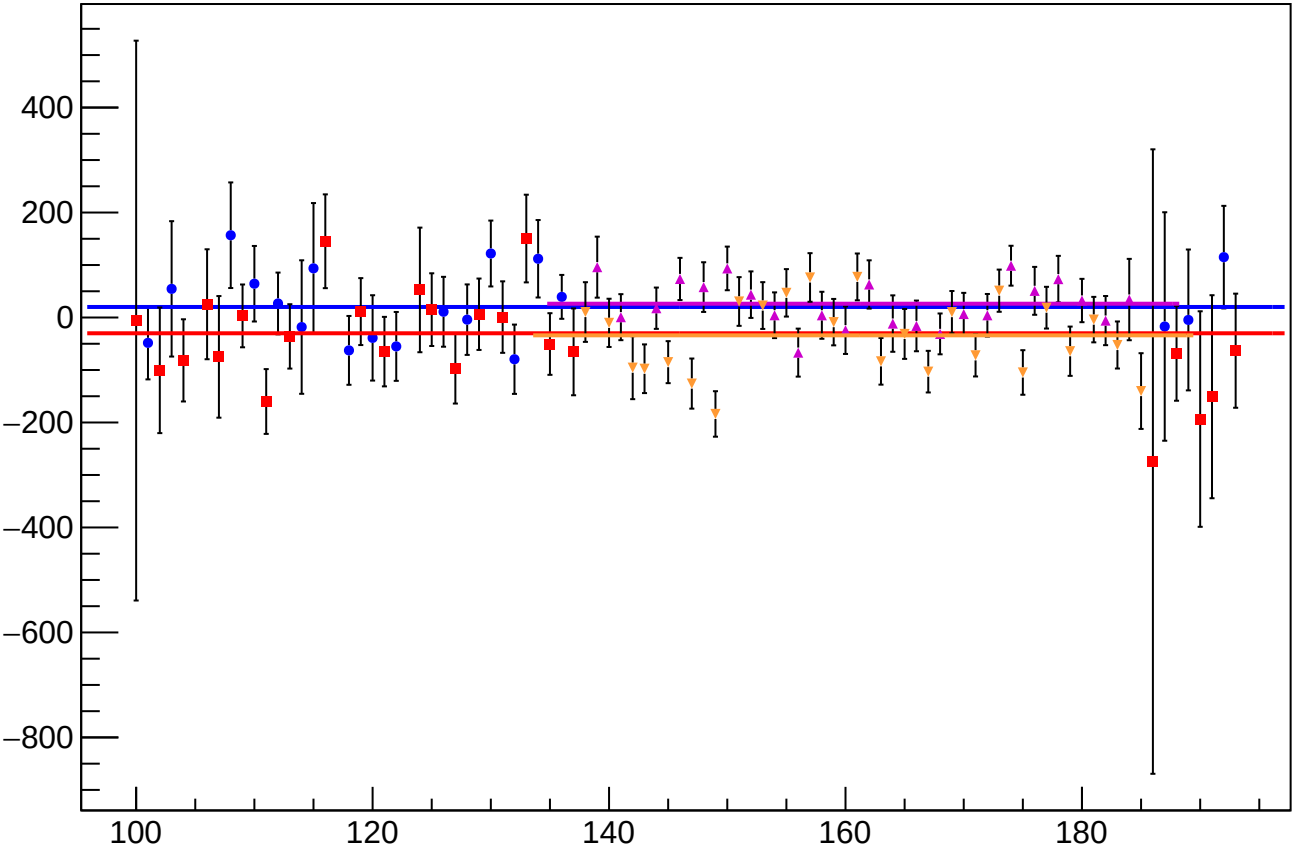
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8640238.0/43

All: 0.000+/-0.000 χ^2/NDF: 18433741.5/90

- sign 0.000+/-0.000 χ^2/NDF: 9790720.6/46

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: -30.035+/-16.696 χ^2/NDF: 19.4/23

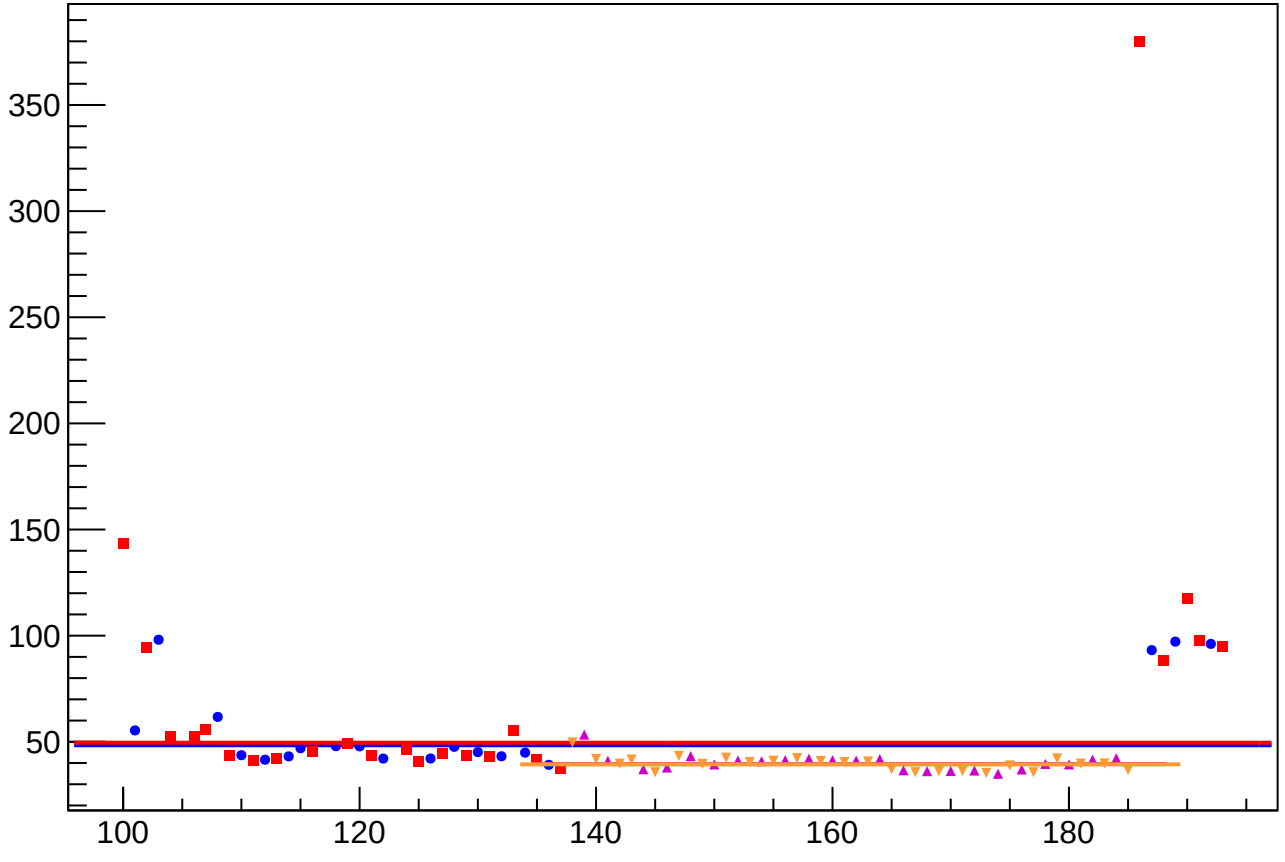
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -22.147+/-7.950 χ^2/NDF: 81.6/43

All: -4.915+/-5.676 χ^2/NDF: 141.7/90

- sign 12.996+/-8.106 χ^2/NDF: 50.5/46

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

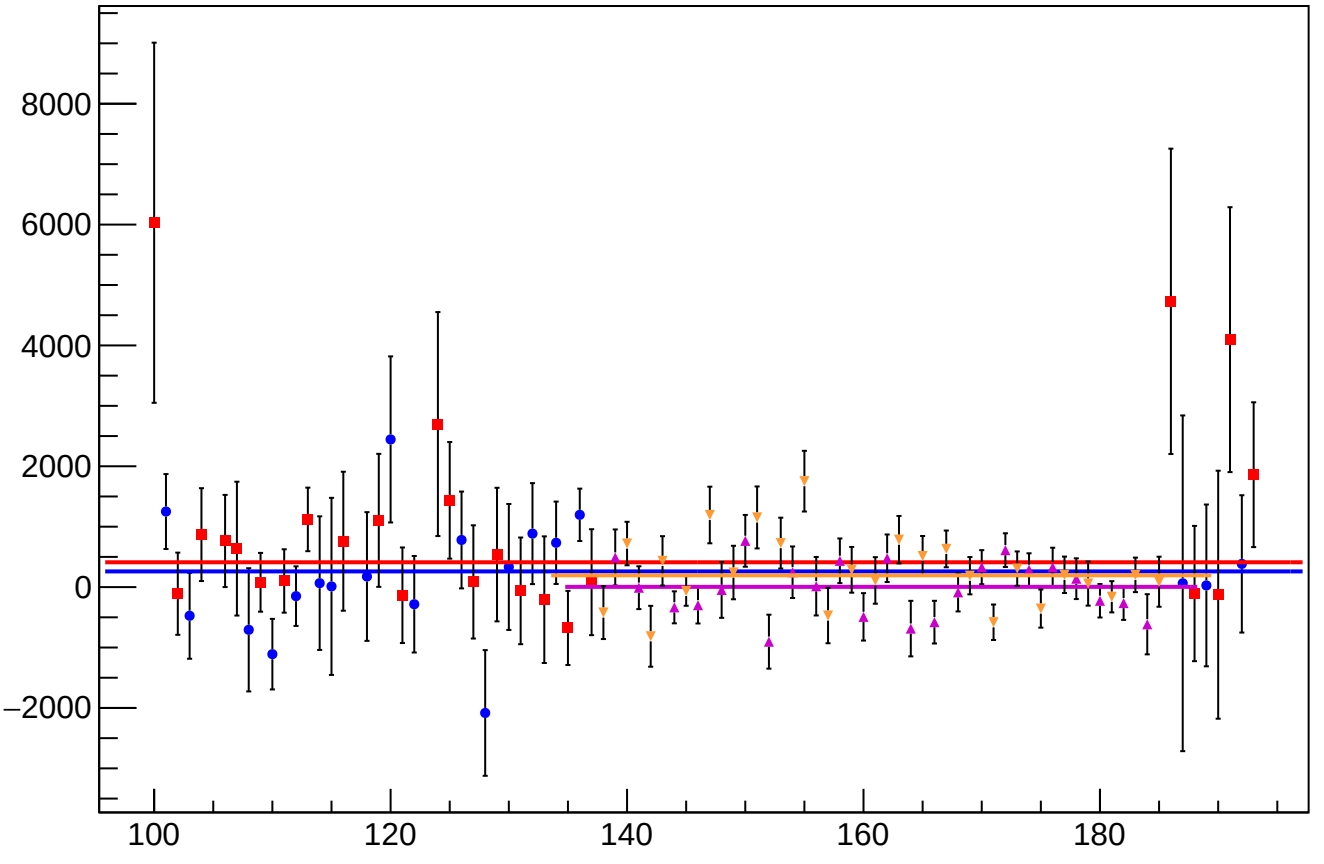
Right Out: 49.570+/-0.012 χ^2/NDF: 2301032.3/23

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.347+/-0.006 χ^2/NDF: 2039660.7/43

All: 41.602+/-0.004 χ^2/NDF: 5153804.7/90

- sign 41.867+/-0.006 χ^2/NDF: 3109950.5/46



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: 411.102+/-174.800 χ^2/NDF: 22.5/23

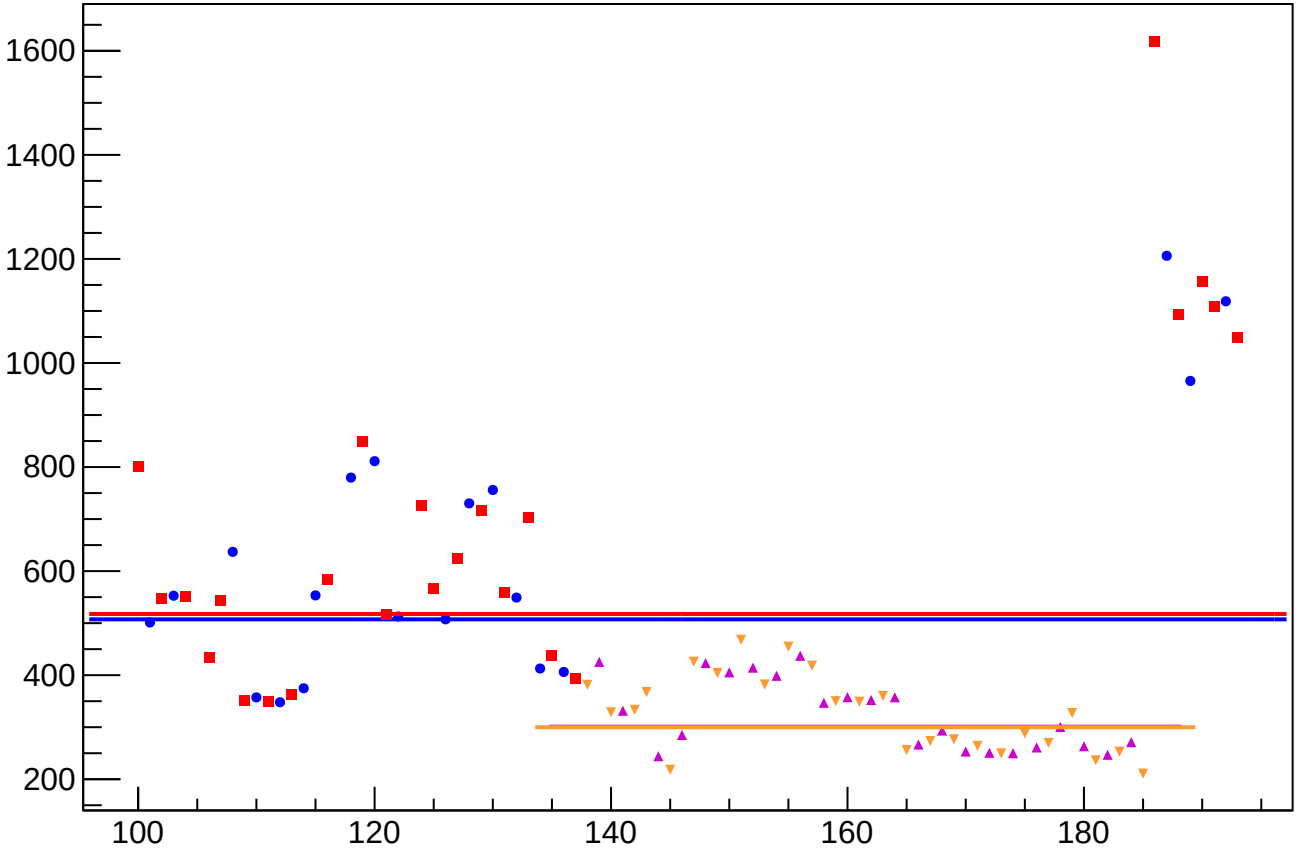
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 203.514+/-65.350 χ^2/NDF: 73.7/43

All: 134.562+/-46.631 χ^2/NDF: 135.5/90

- sign 63.037+/-66.559 χ^2/NDF: 59.5/46

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: 517.657+/-0.124 χ^2/NDF: 2753465.5/23

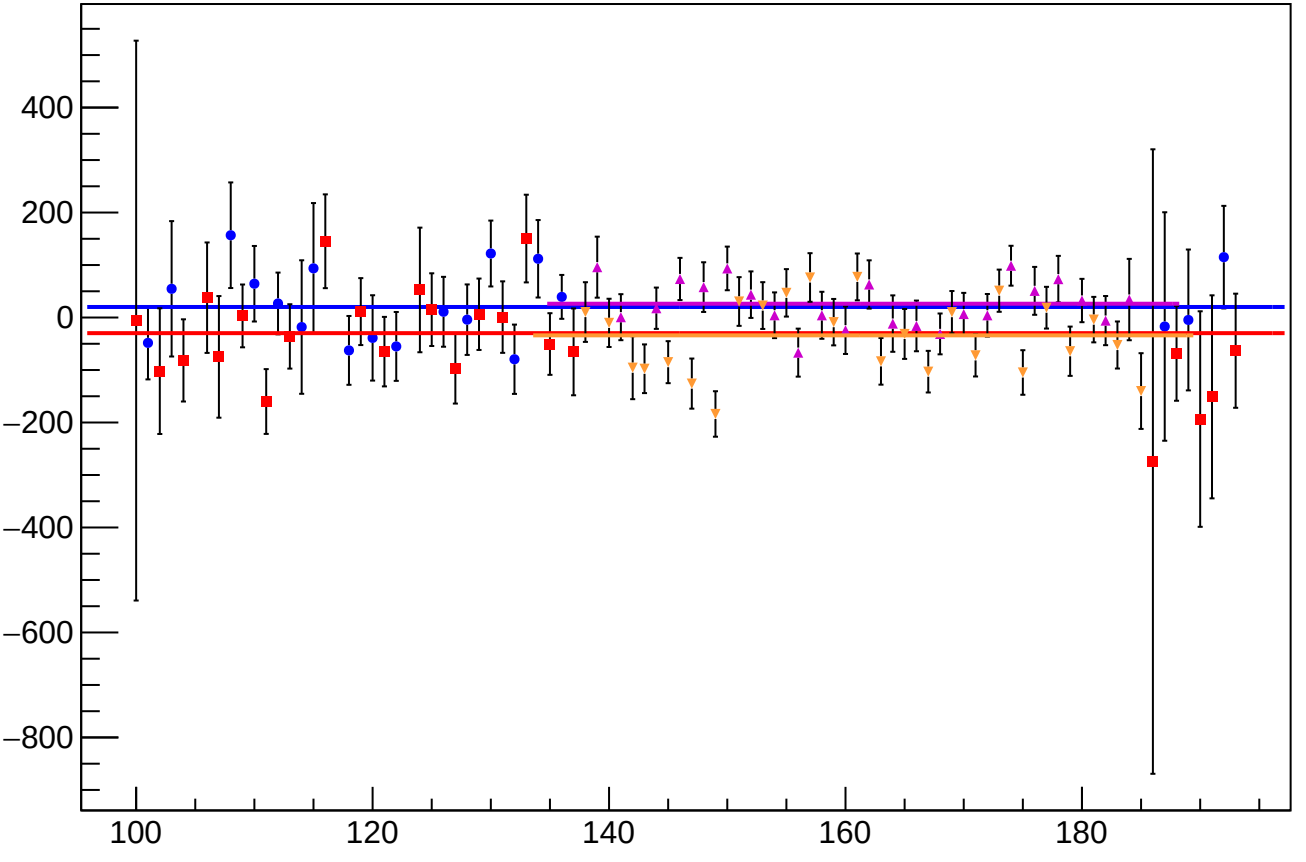
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 327.081+/-0.046 χ^2/NDF: 6034165.0/43

All: 329.697+/-0.033 χ^2/NDF: 12828394.0/90

- sign 332.412+/-0.047 χ^2/NDF: 6787696.0/46

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: -29.764+/-16.698 χ^2/NDF: 19.5/23

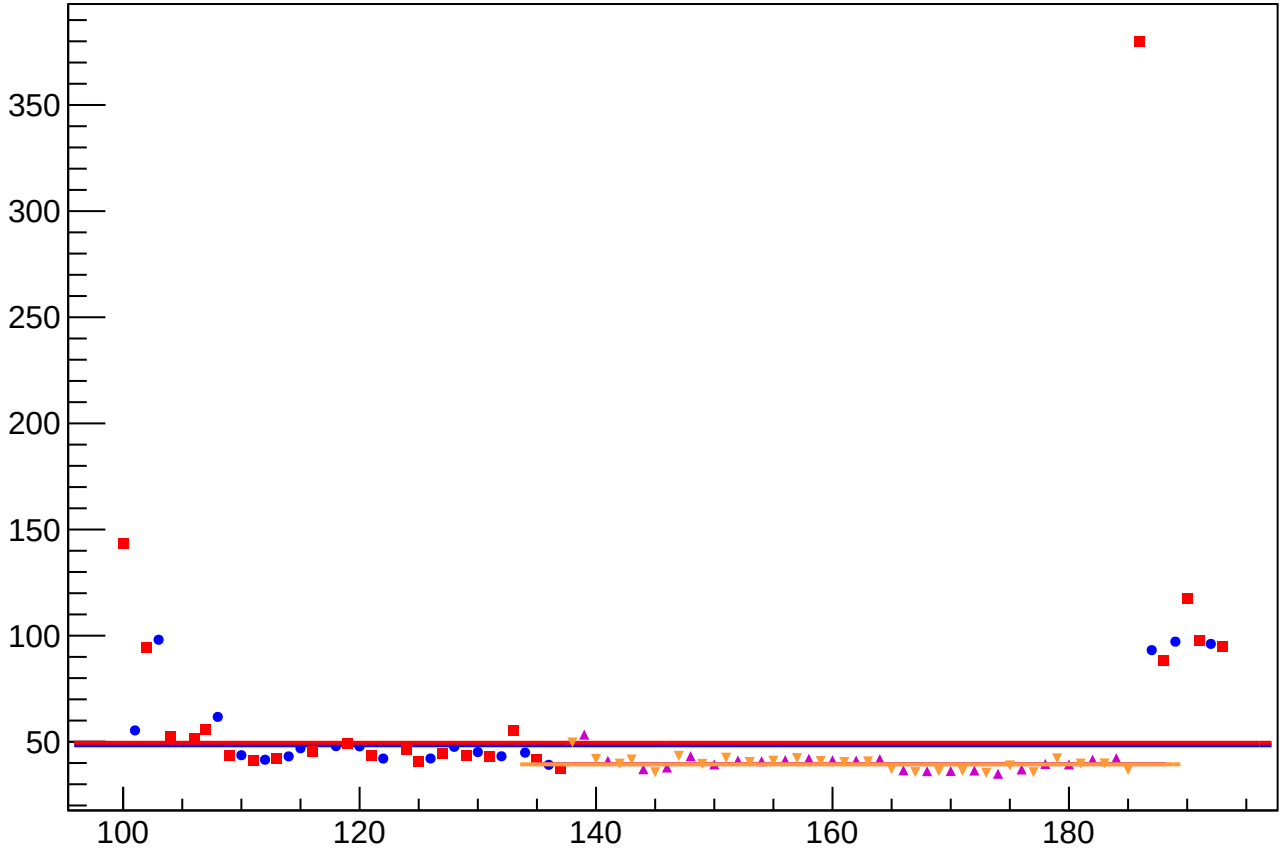
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -22.145+/-7.950 χ^2/NDF: 81.6/43

All: -4.883+/-5.676 χ^2/NDF: 141.8/90

- sign 13.063+/-8.106 χ^2/NDF: 50.6/46

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

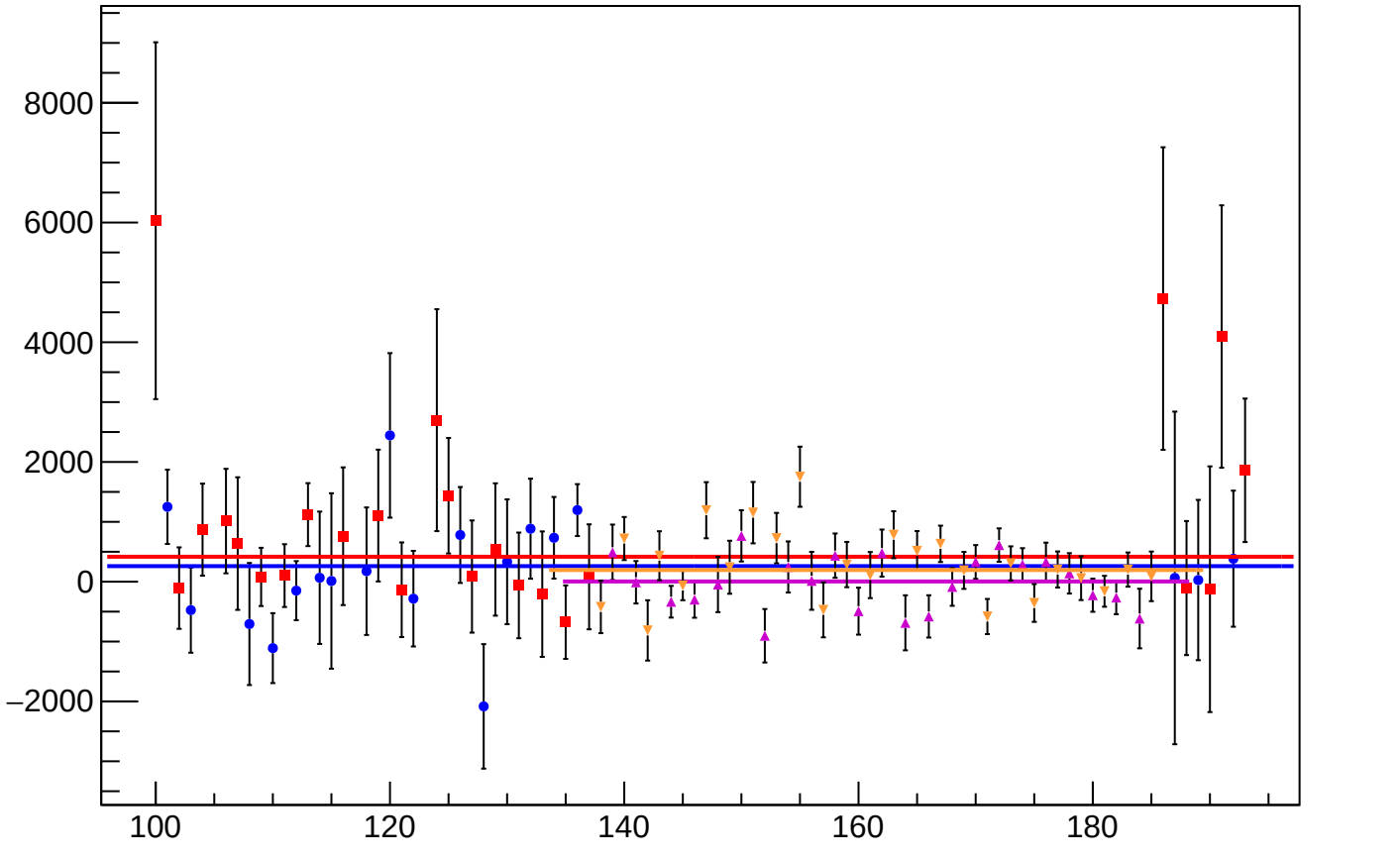
Right Out: 49.549+/-0.012 χ^2/NDF: 2300504.2/23

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.347+/-0.006 χ^2/NDF: 2039663.6/43

All: 41.599+/-0.004 χ^2/NDF: 5150744.9/90

- sign 41.861+/-0.006 χ^2/NDF: 3106975.2/46



Right In: 259.930+/-180.736 χ^2/NDF: 25.0/18

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 417.057+/-175.905 χ^2/NDF: 22.8/23

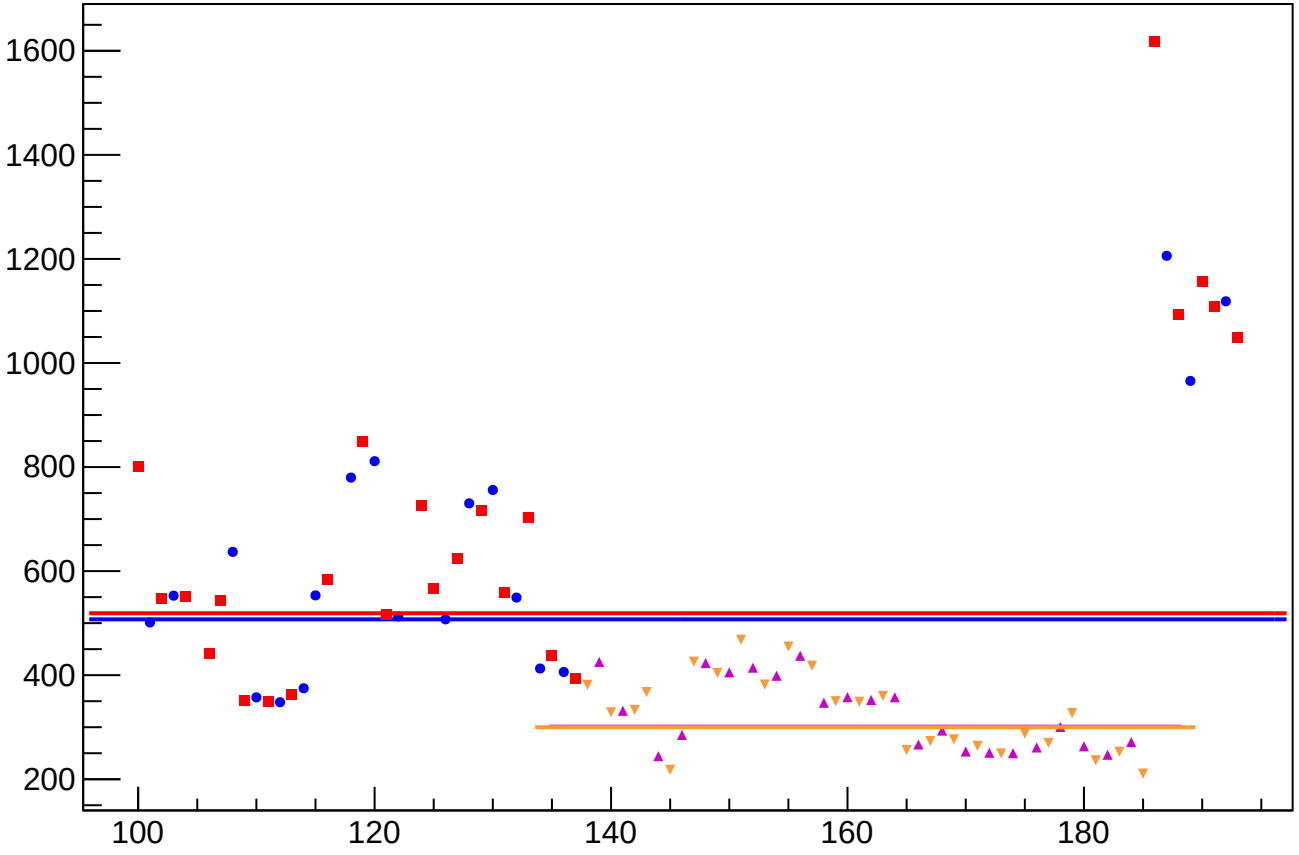
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 203.514+/-65.350 χ^2/NDF: 73.7/43

All: 134.734+/-46.652 χ^2/NDF: 135.9/90

- sign 63.257+/-66.619 χ^2/NDF: 59.9/46

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: 519.028+/-0.124 χ^2/NDF: 2744709.3/23

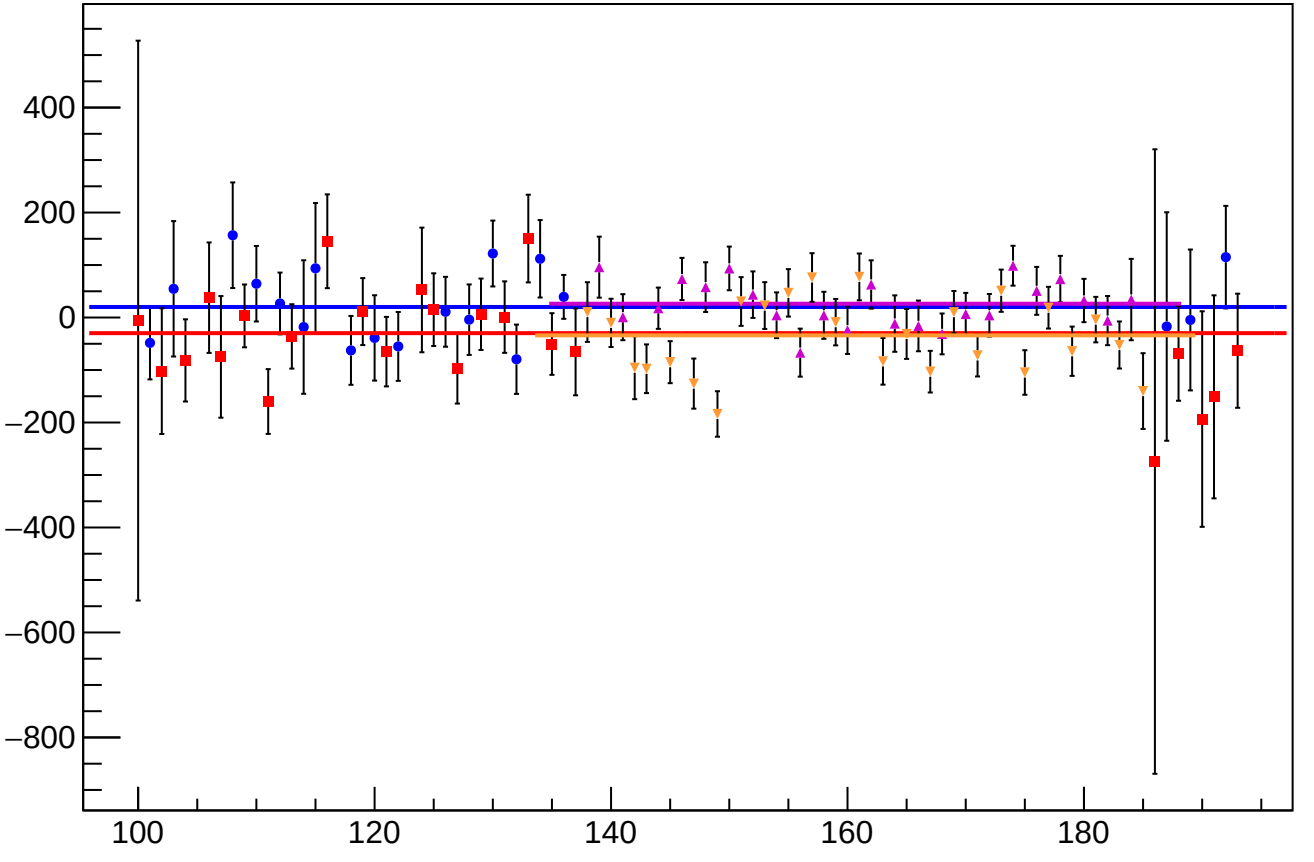
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 327.081+/-0.046 χ^2/NDF: 6034208.9/43

All: 329.626+/-0.033 χ^2/NDF: 12824164.9/90

- sign 332.271+/-0.047 χ^2/NDF: 6783768.5/46

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: -29.764+/-16.698 χ^2/NDF: 19.5/23

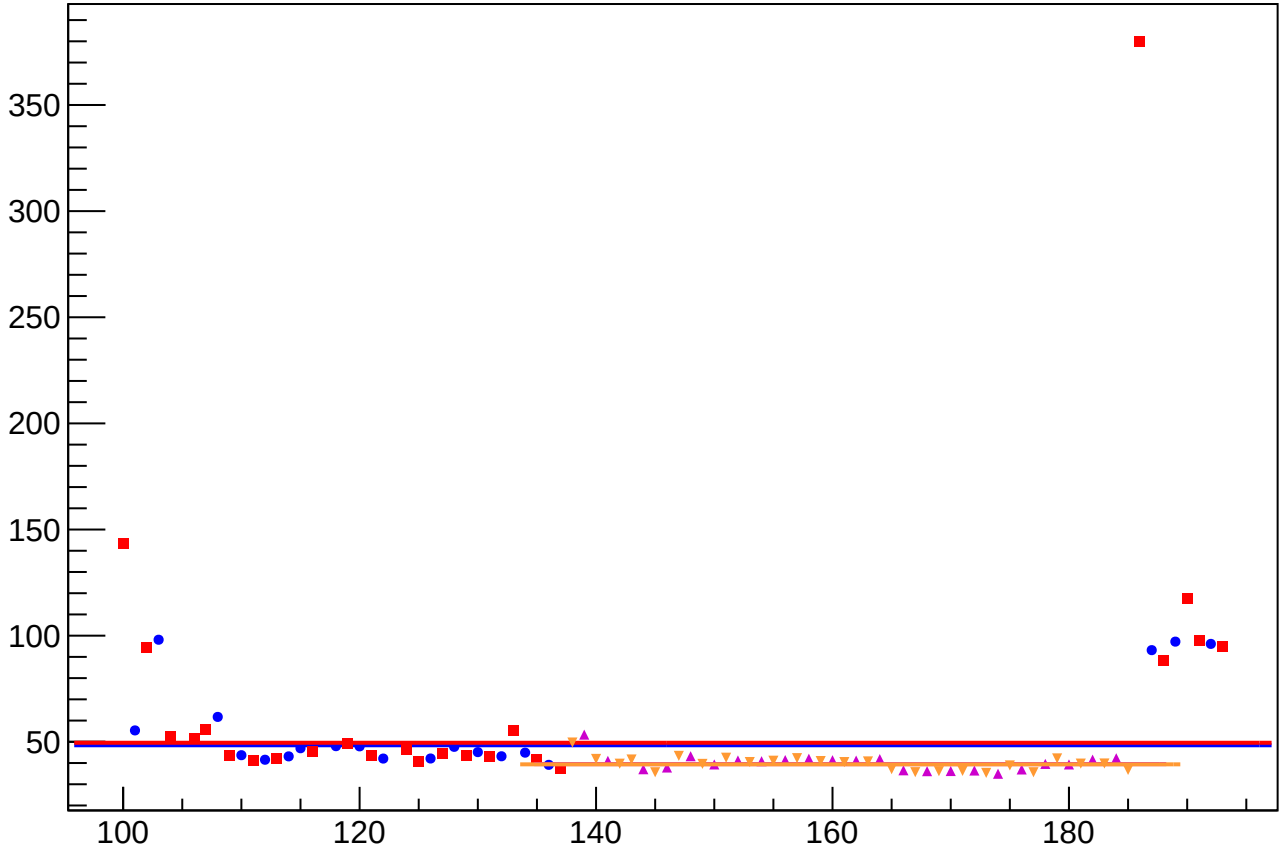
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -22.145+/-7.950 χ^2/NDF: 81.6/43

All: -4.883+/-5.676 χ^2/NDF: 141.8/90

- sign 13.063+/-8.106 χ^2/NDF: 50.6/46

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

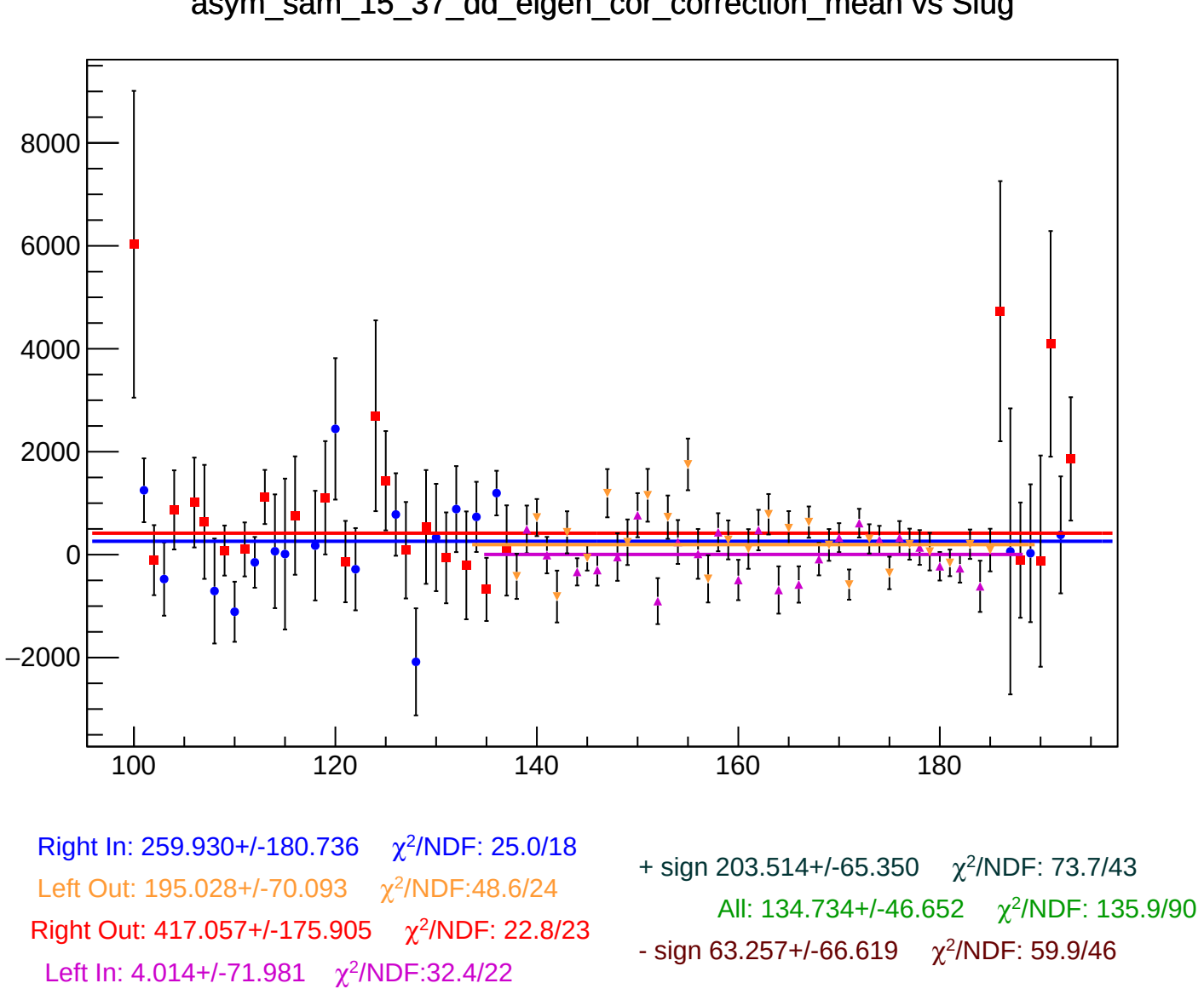
Right Out: 49.549+/-0.012 χ^2/NDF: 2300504.2/23

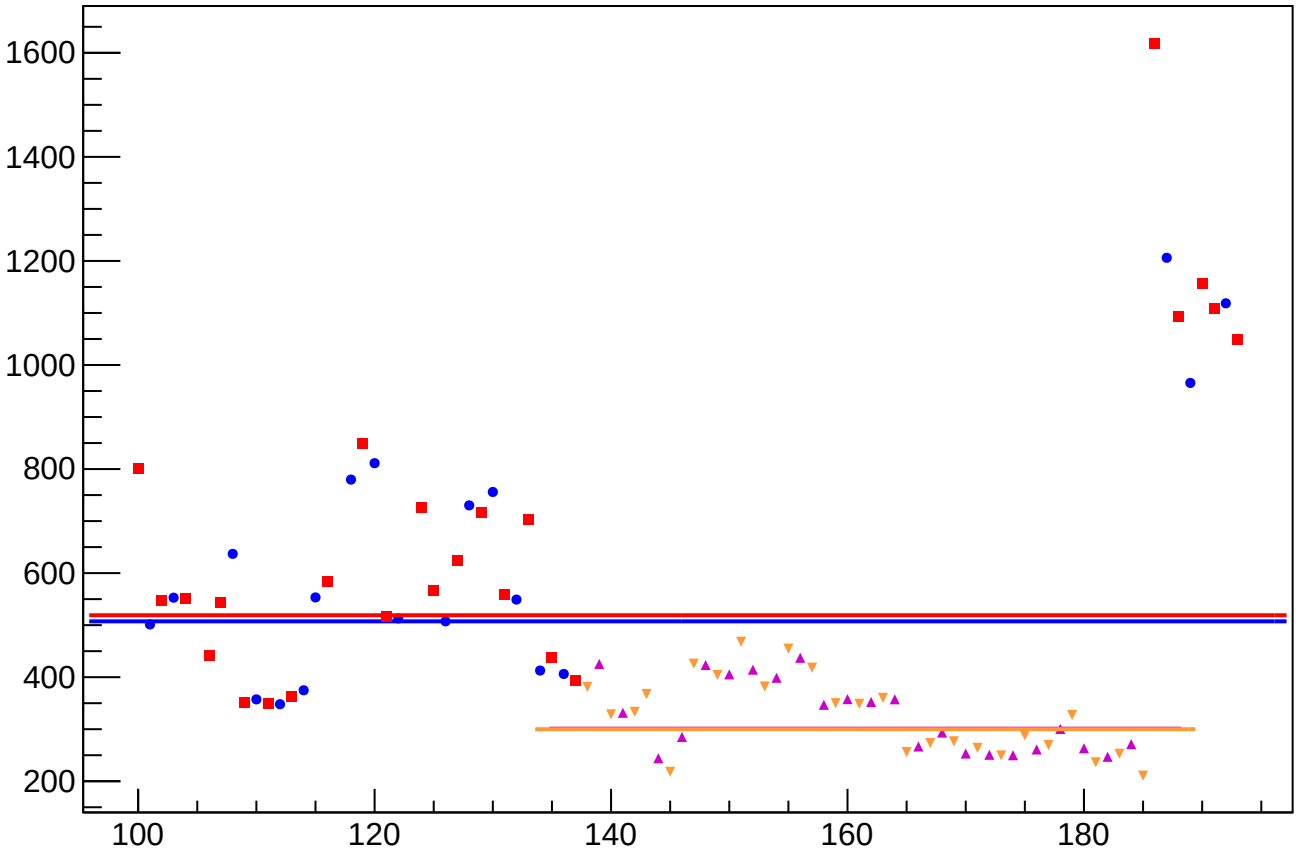
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.347+/-0.006 χ^2/NDF: 2039663.6/43

All: 41.599+/-0.004 χ^2/NDF: 5150744.9/90

- sign 41.861+/-0.006 χ^2/NDF: 3106975.2/46


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: 417.057+/-175.905 χ²/NDF: 22.8/23
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 203.514+/-65.350 χ²/NDF: 73.7/43
All: 134.734+/-46.652 χ²/NDF: 135.9/90
- sign 63.257+/-66.619 χ²/NDF: 59.9/46



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: 519.028+/-0.124 χ^2/NDF: 2744709.3/23

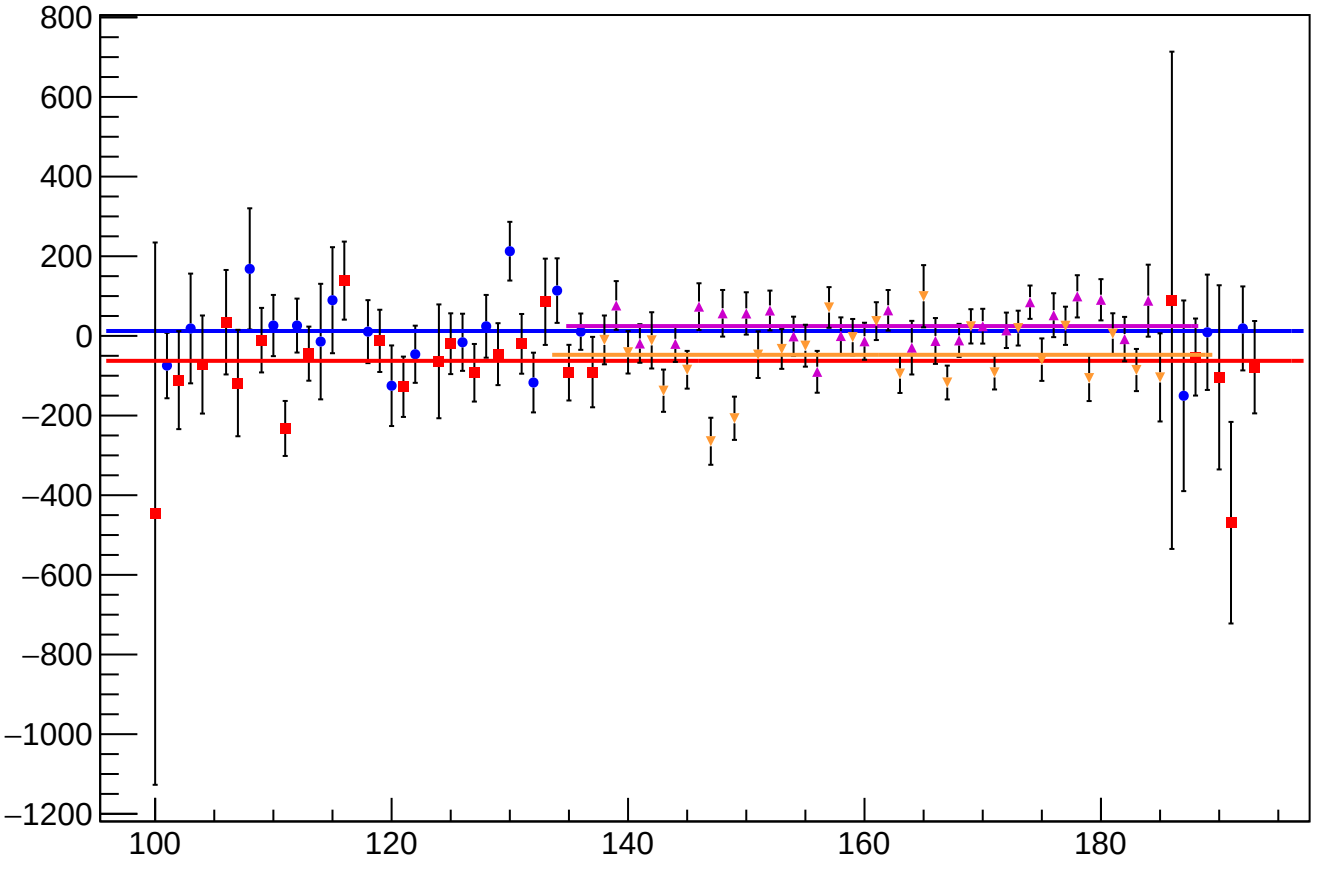
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 327.081+/-0.046 χ^2/NDF: 6034208.9/43

All: 329.626+/-0.033 χ^2/NDF: 12824164.9/90

- sign 332.271+/-0.047 χ^2/NDF: 6783768.5/46

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: -62.633+/-19.387 χ^2/NDF: 18.8/23

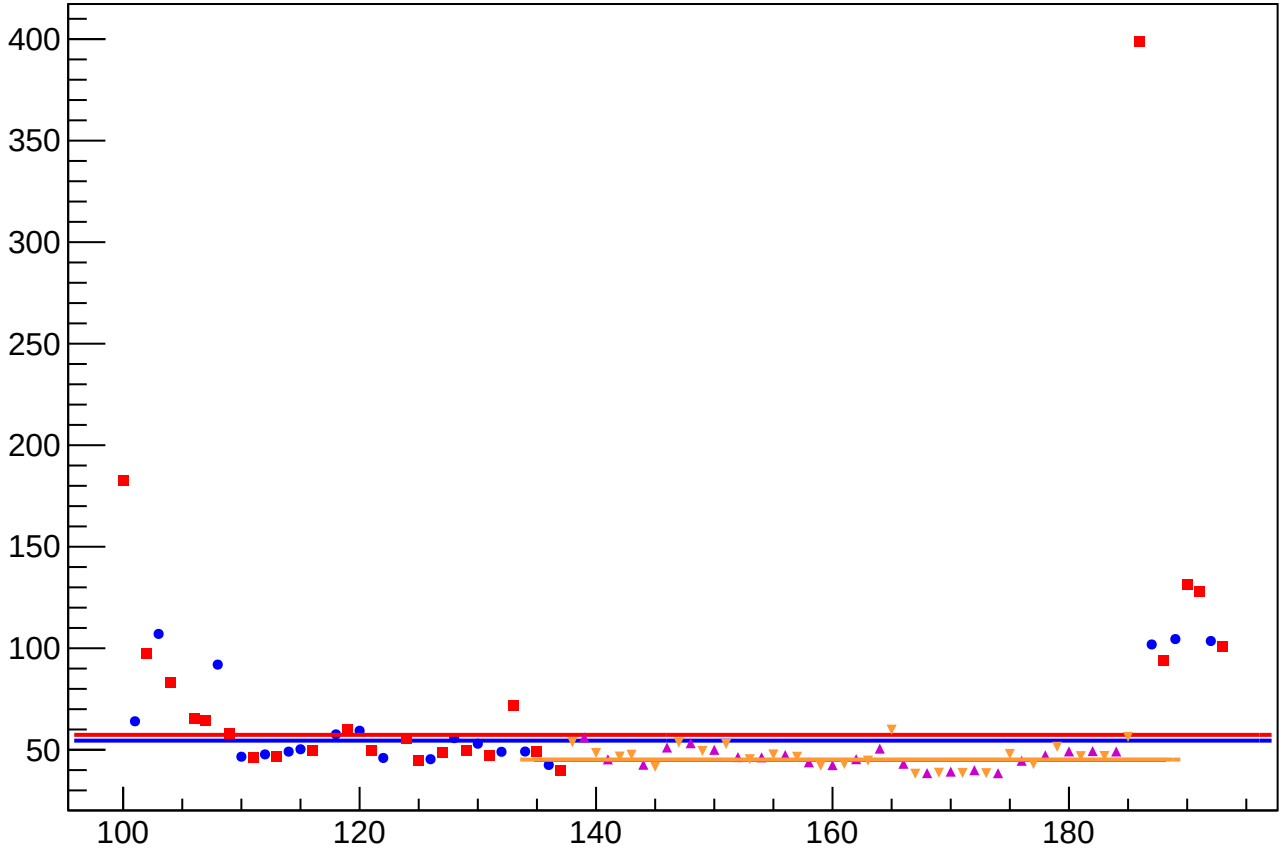
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.006+/-9.147 χ^2/NDF: 79.8/43

All: -15.199+/-6.535 χ^2/NDF: 142.6/90

- sign 4.415+/-9.341 χ^2/NDF: 54.1/46

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: 57.355+/-0.014 χ^2/NDF: 2335776.2/23

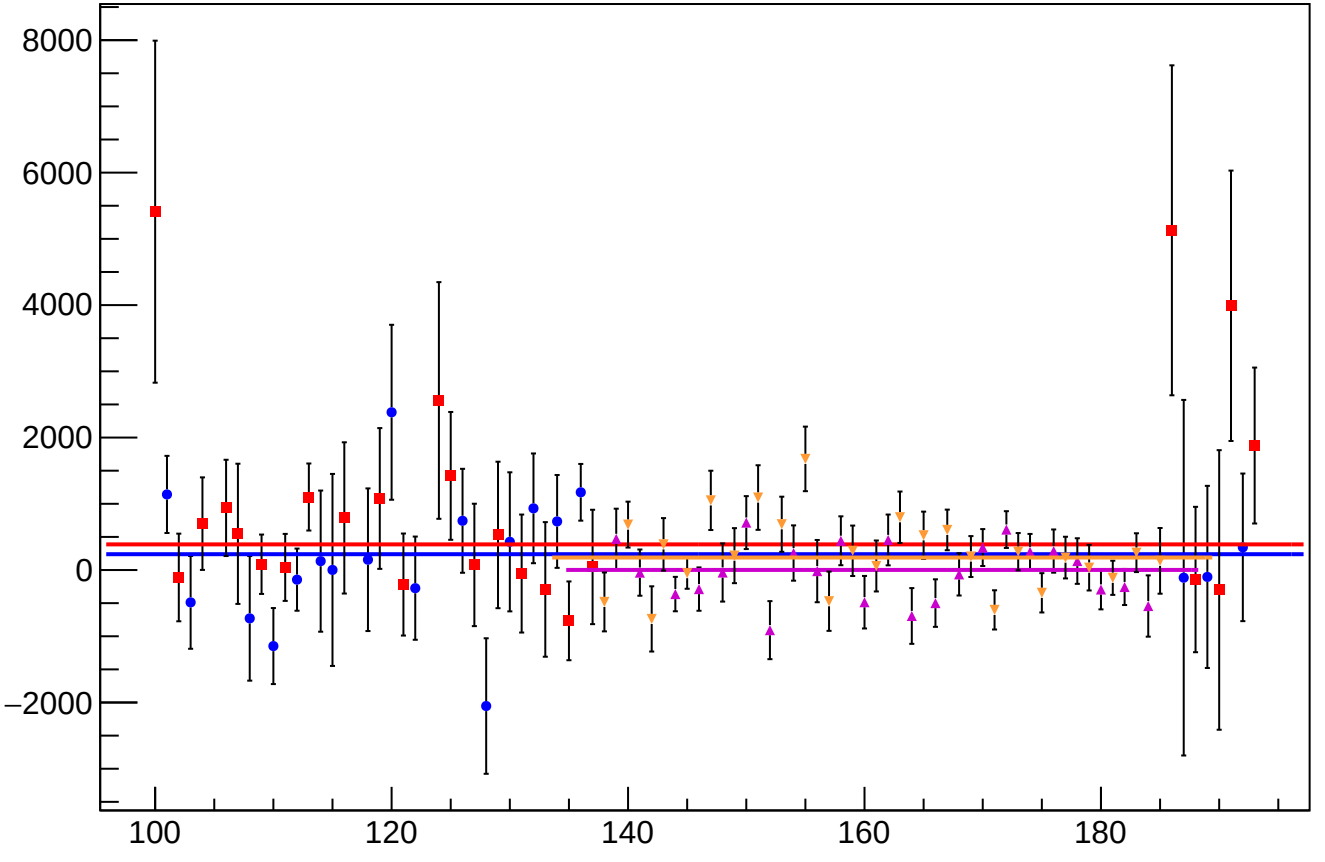
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 47.278+/-0.006 χ^2/NDF: 2316202.4/43

All: 47.574+/-0.005 χ^2/NDF: 5650904.1/90

- sign 47.882+/-0.007 χ^2/NDF: 3330441.6/46

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: 387.277+/-168.198 χ^2/NDF: 25.3/23

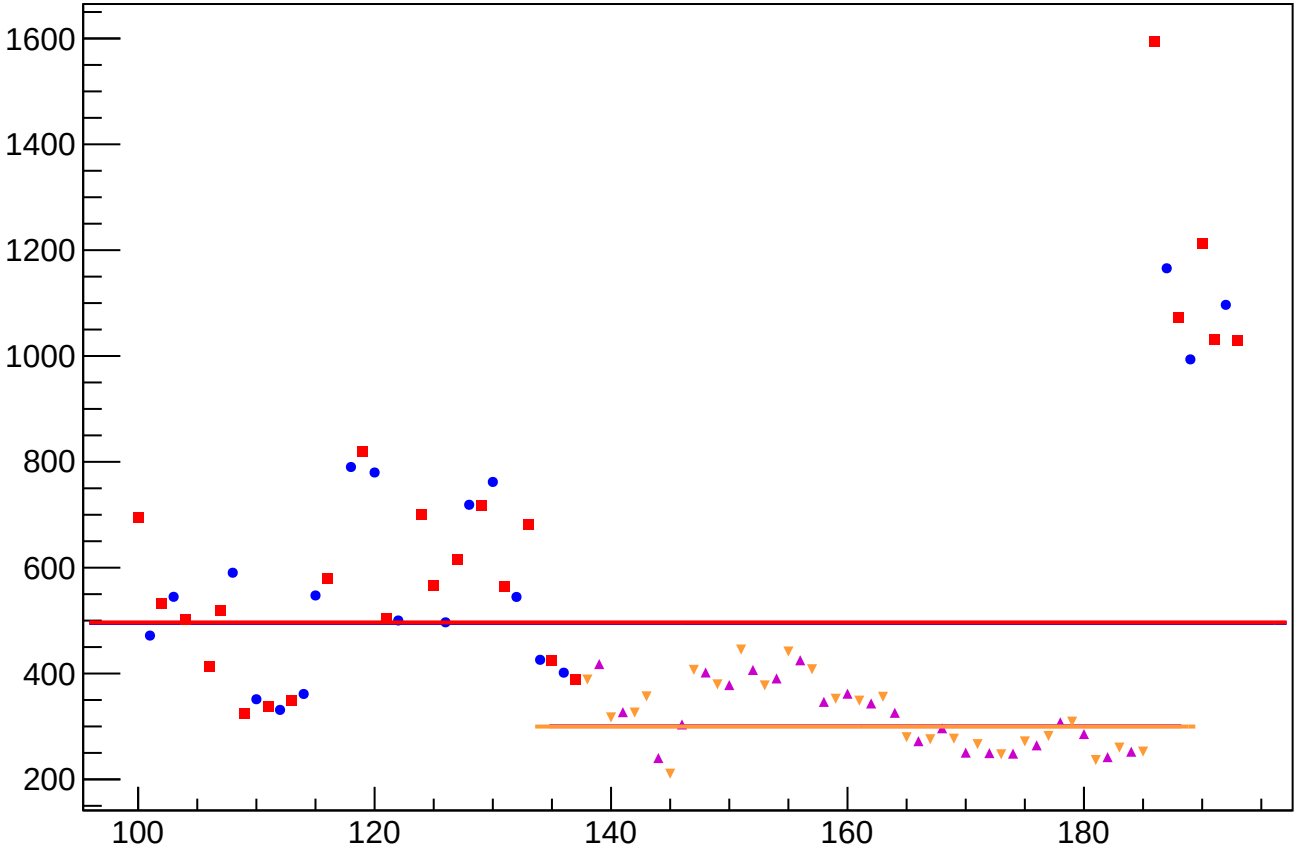
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 195.576+/-64.847 χ^2/NDF: 72.5/43

All: 129.425+/-46.245 χ^2/NDF: 136.6/90

- sign 60.970+/-65.967 χ^2/NDF: 62.0/46

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: 496.547+/-0.119 χ^2/NDF: 2906941.9/23

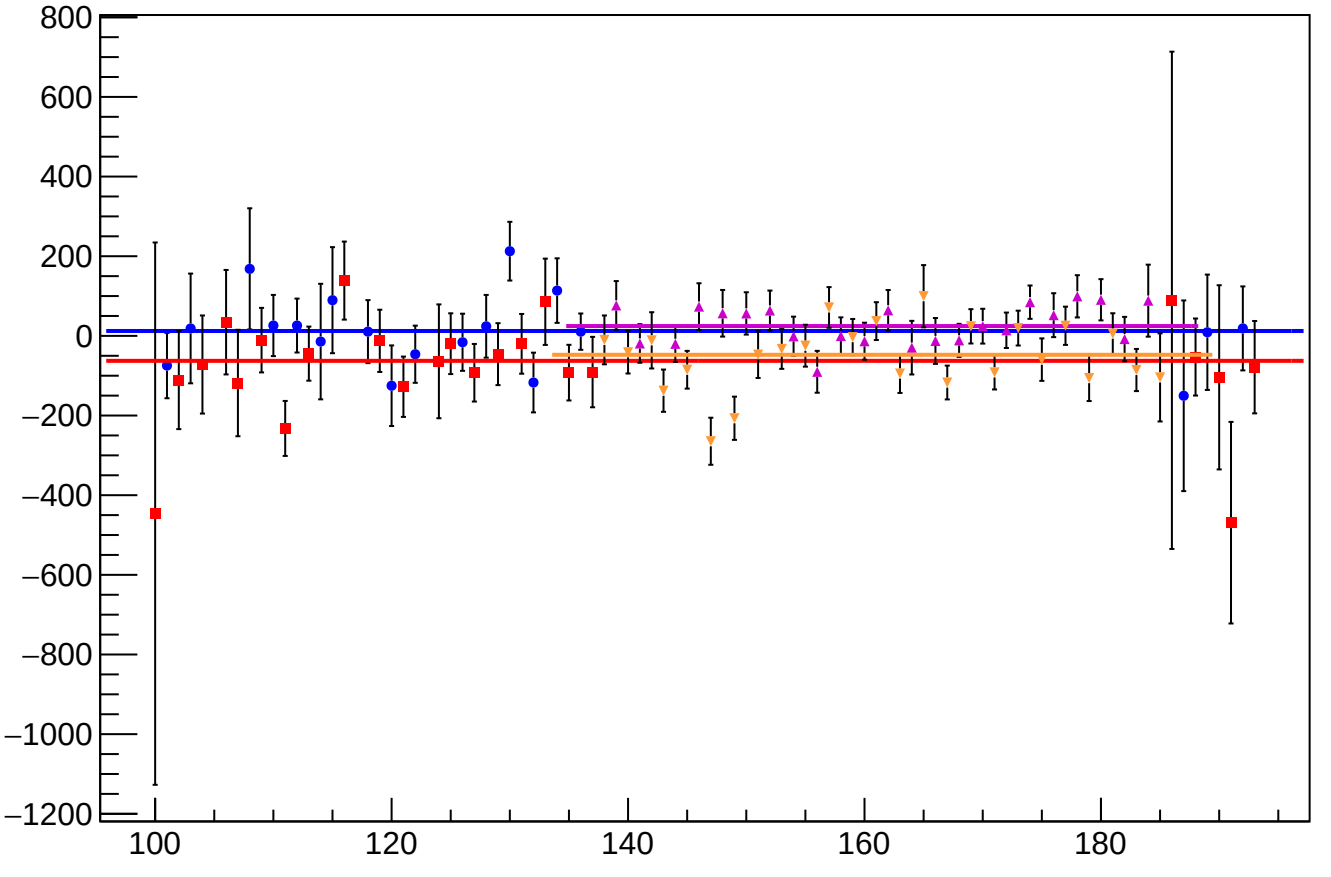
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 326.175+/-0.046 χ^2/NDF: 5700858.6/43

All: 328.396+/-0.033 χ^2/NDF: 12169964.8/90

- sign 330.693+/-0.047 χ^2/NDF: 6464336.6/46

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: -62.634+/-19.387 χ^2/NDF: 18.8/23

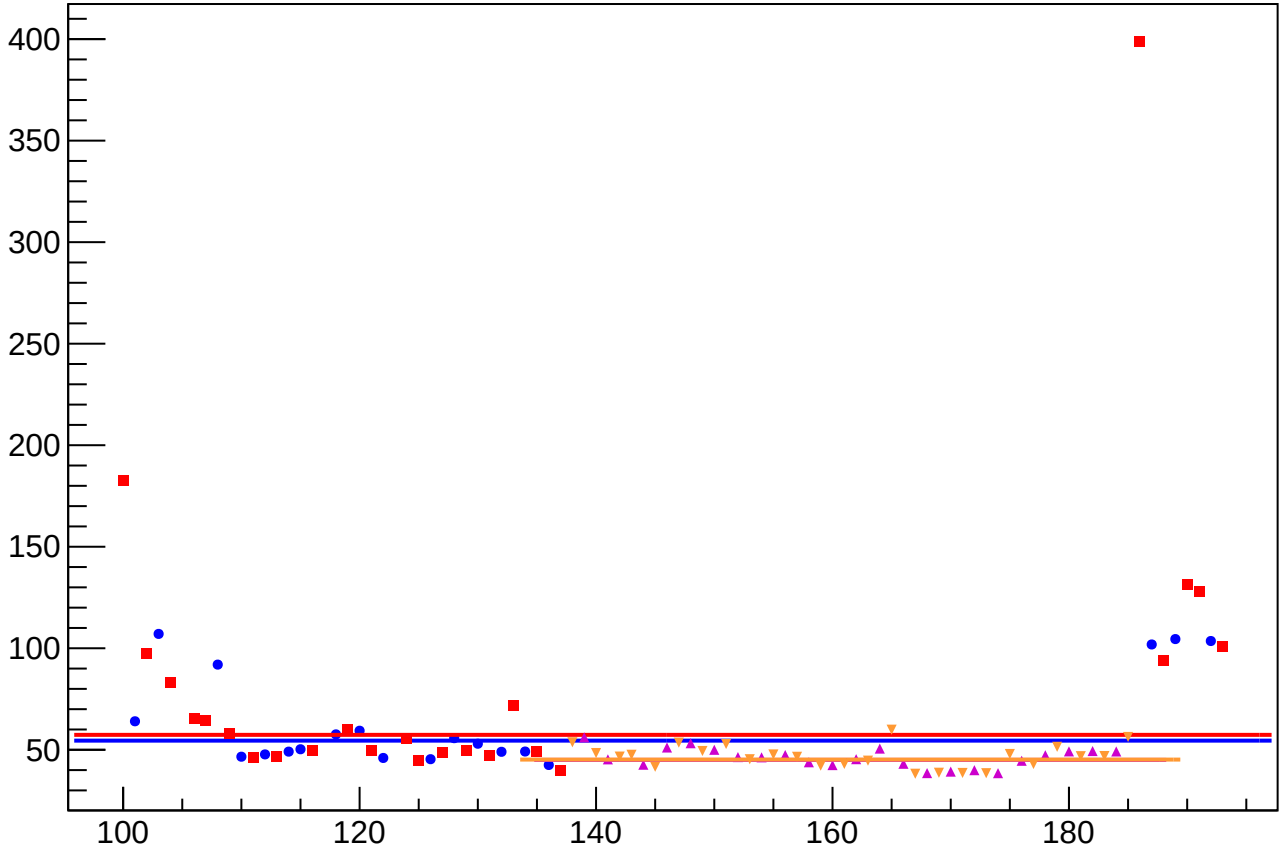
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.007+/-9.147 χ^2/NDF: 79.8/43

All: -15.199+/-6.535 χ^2/NDF: 142.6/90

- sign 4.415+/-9.341 χ^2/NDF: 54.1/46

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

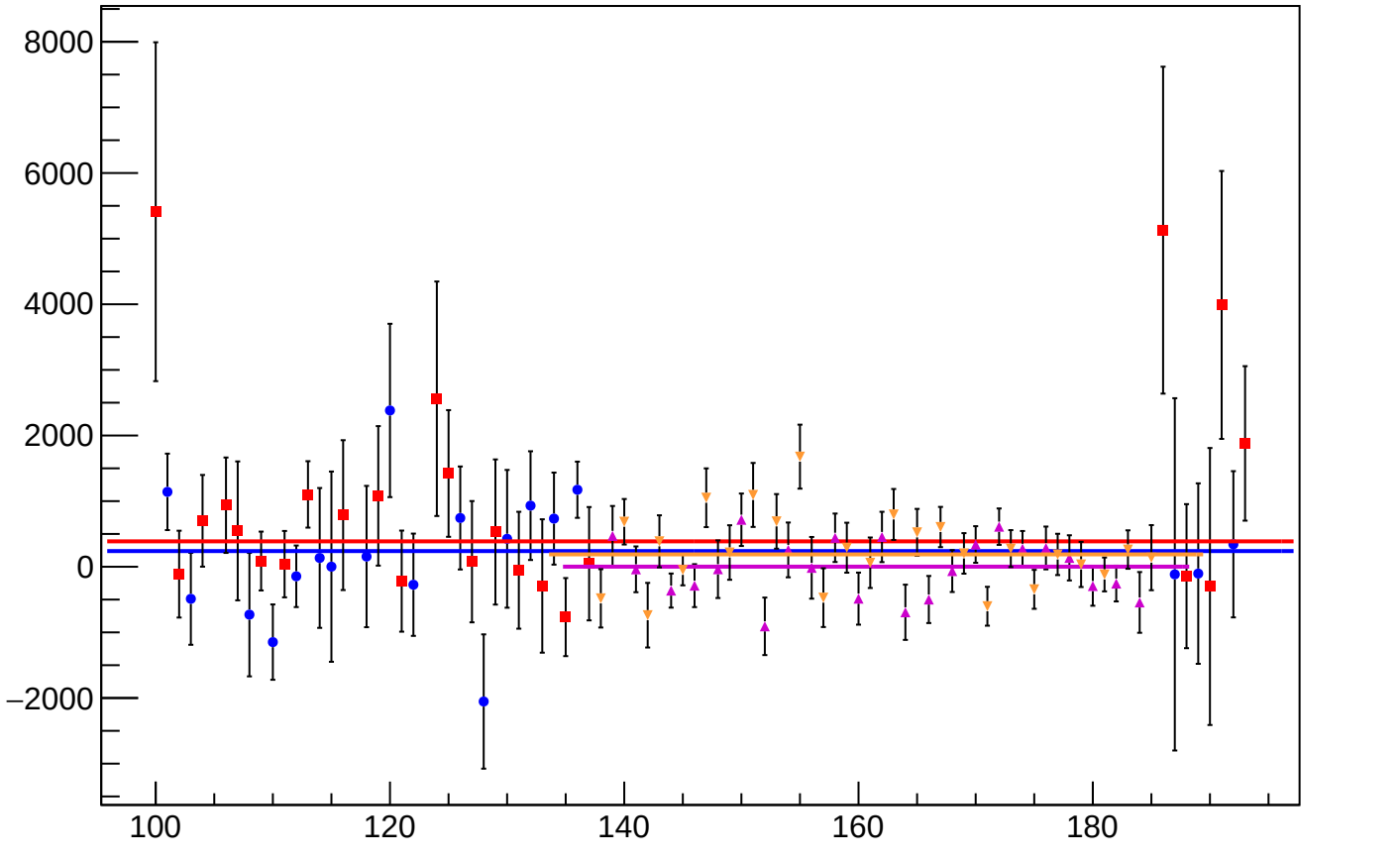
Right Out: 57.355+/-0.014 χ^2/NDF: 2335786.7/23

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 47.278+/-0.006 χ^2/NDF: 2316211.6/43

All: 47.574+/-0.005 χ^2/NDF: 5650926.3/90

- sign 47.882+/-0.007 χ^2/NDF: 3330454.2/46



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: 387.276+/-168.198 χ^2/NDF: 25.3/23

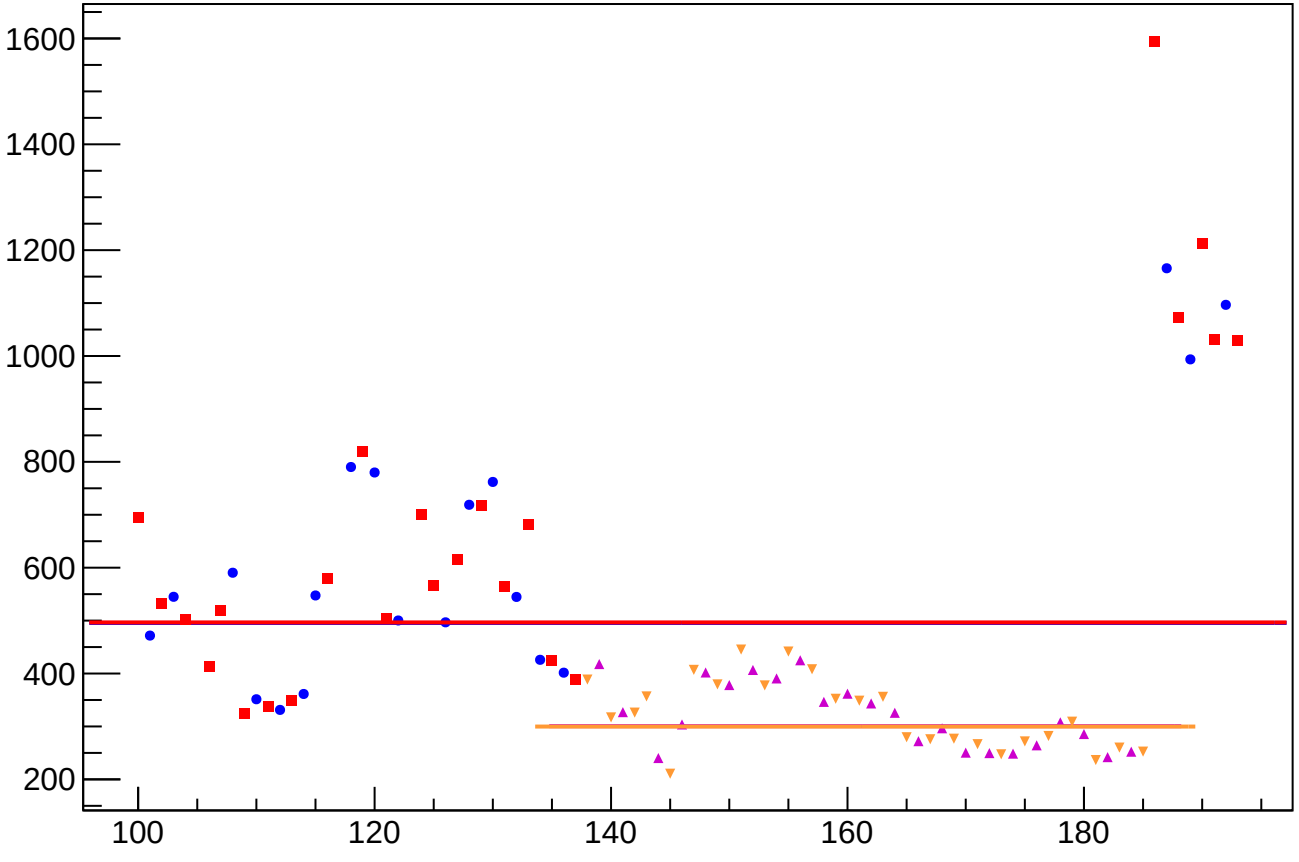
Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 195.576+/-64.847 χ^2/NDF: 72.5/43

All: 129.425+/-46.245 χ^2/NDF: 136.6/90

- sign 60.970+/-65.967 χ^2/NDF: 62.0/46

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: 496.546+/-0.119 χ^2/NDF: 2906940.2/23

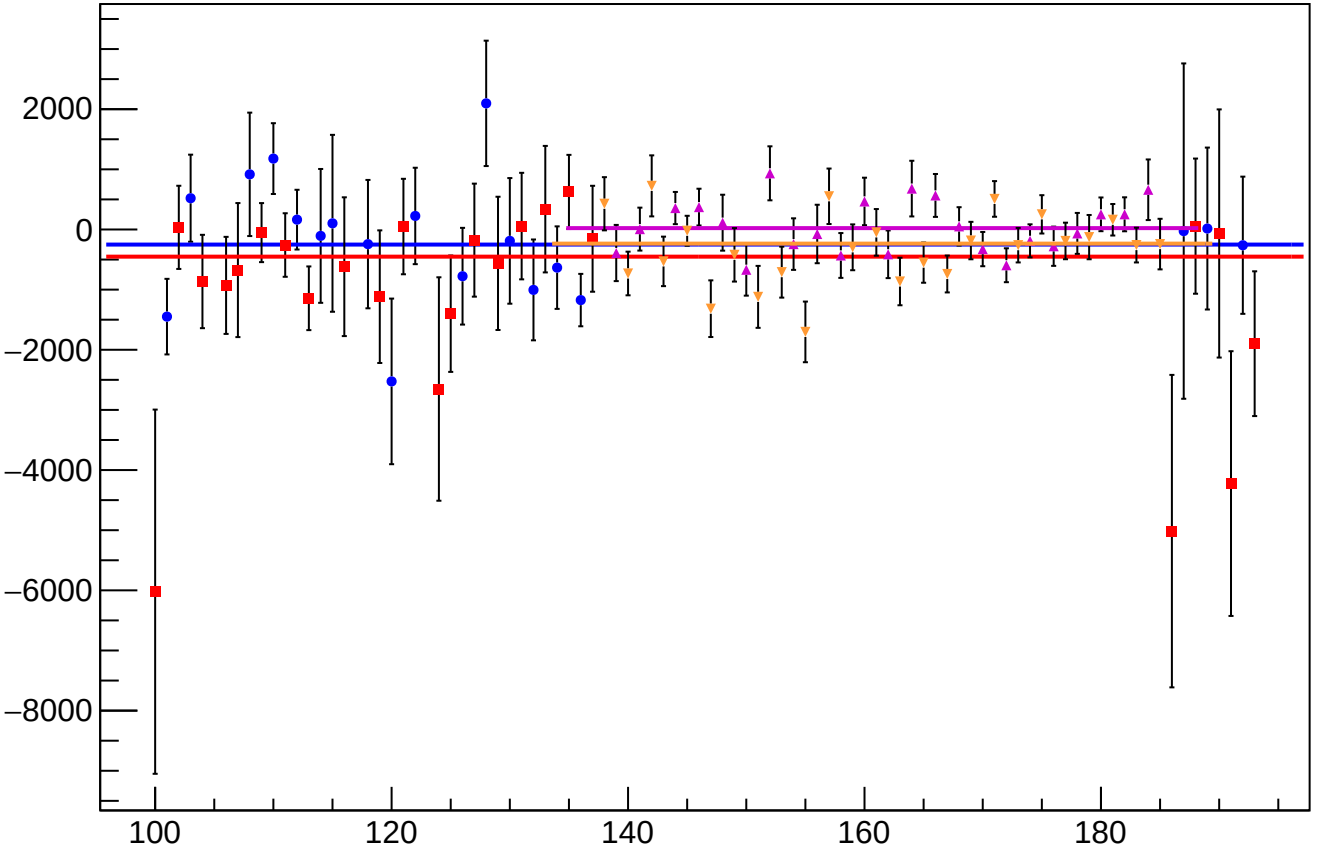
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 326.176+/-0.046 χ^2/NDF: 5700845.7/43

All: 328.396+/-0.033 χ^2/NDF: 12169922.3/90

- sign 330.693+/-0.047 χ^2/NDF: 6464306.6/46

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: -451.699+/-176.387 χ^2/NDF: 22.1/23

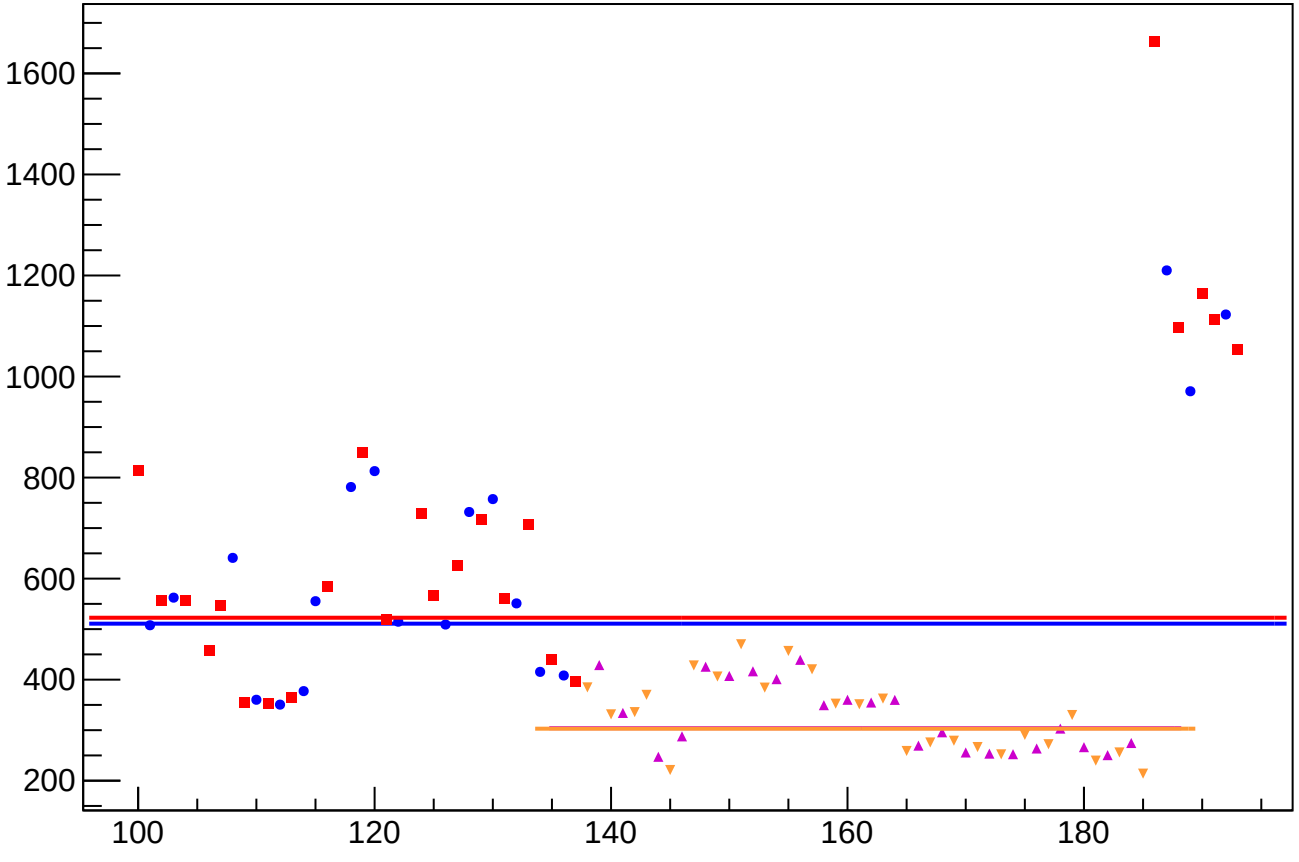
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -237.238+/-65.932 χ^2/NDF: 74.4/43

All: -143.457+/-47.052 χ^2/NDF: 136.7/90

- sign -46.126+/-67.169 χ^2/NDF: 58.1/46

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

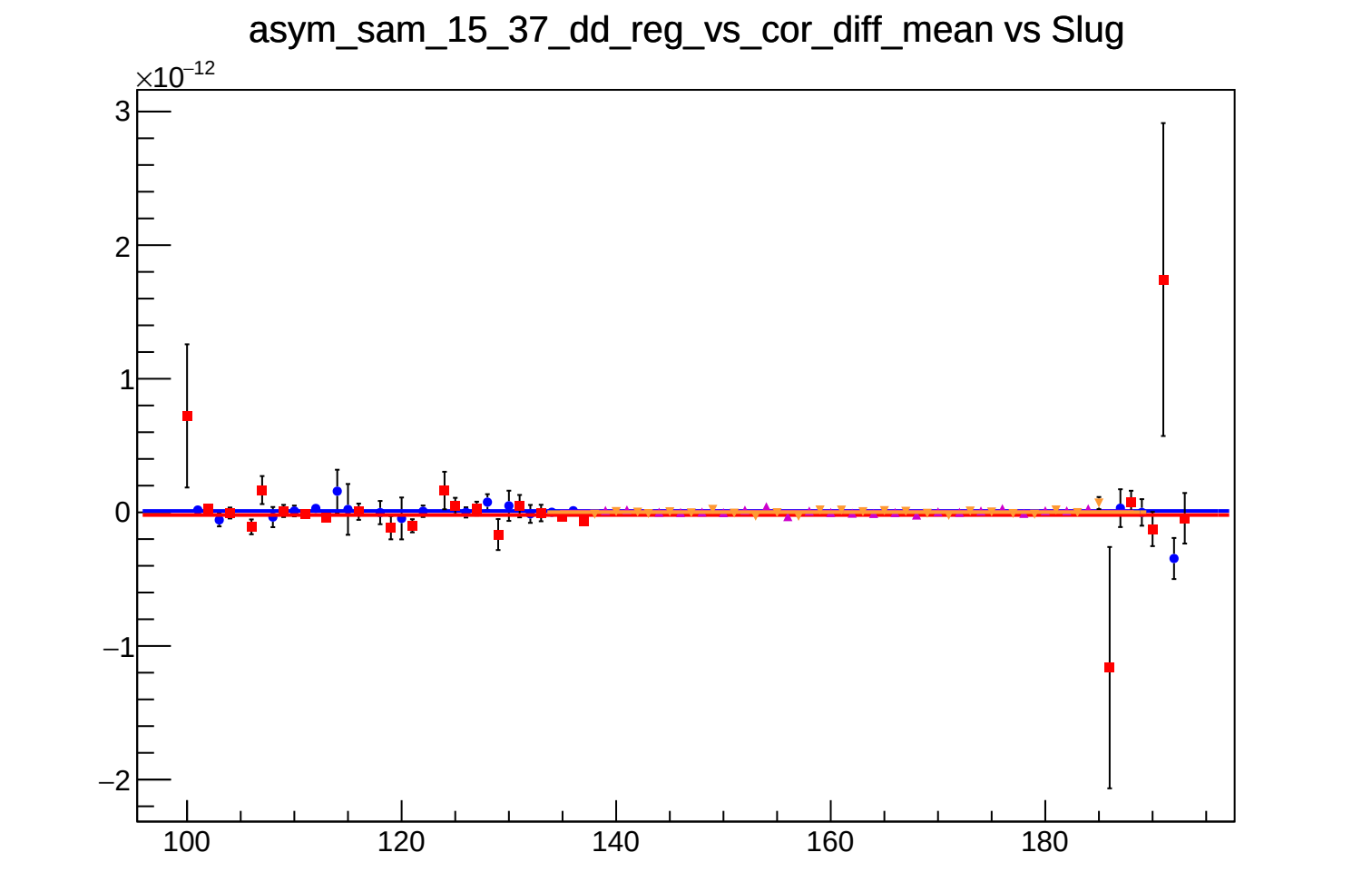
Right Out: 522.571+/-0.125 χ^2/NDF: 2735107.3/23

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 330.244+/-0.047 χ^2/NDF: 5961874.5/43

All: 332.887+/-0.033 χ^2/NDF: 12707318.5/90

- sign 335.629+/-0.047 χ^2/NDF: 6738896.6/46



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: 29.6/23

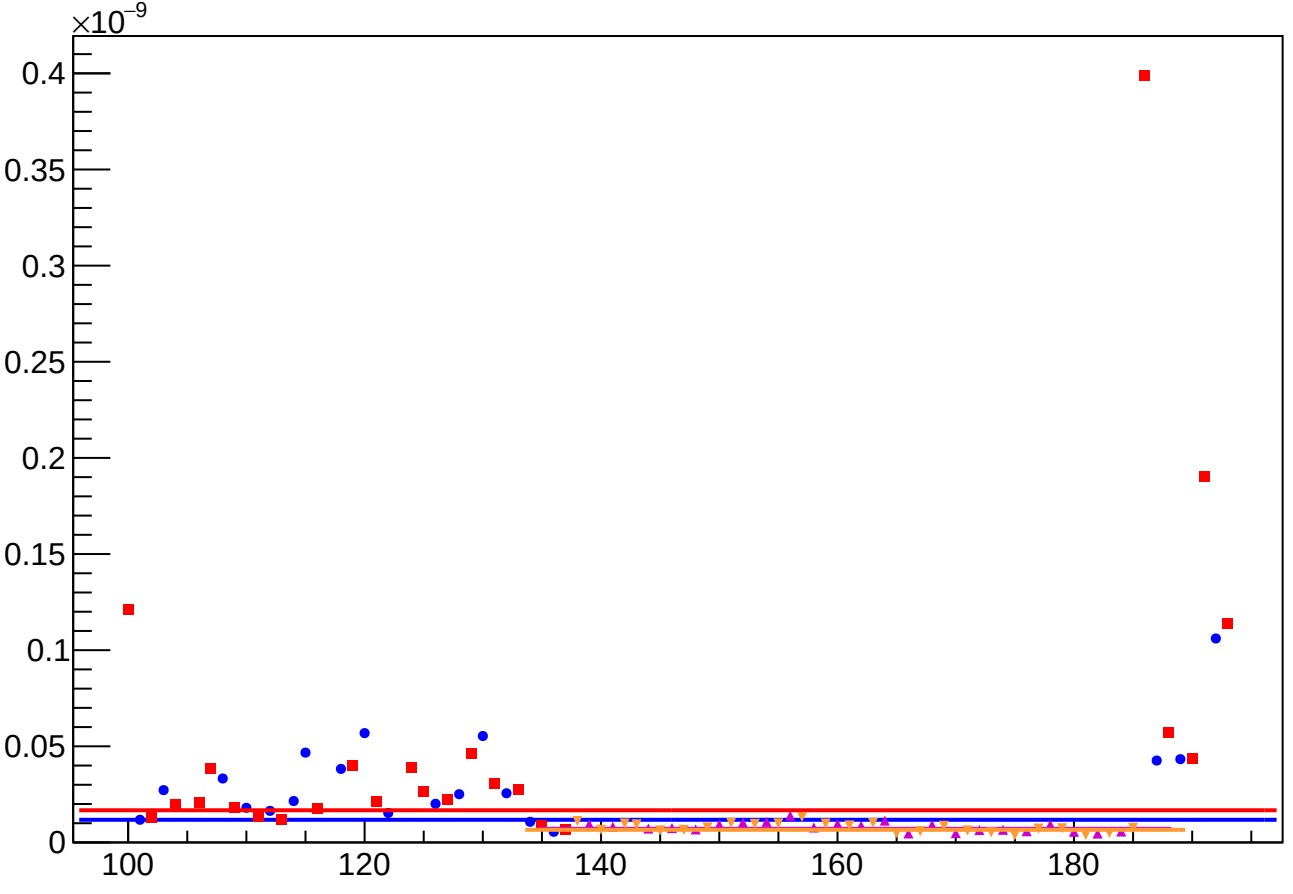
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.7/43

All: 0.000+/-0.000 χ^2/NDF: 88.8/90

- sign 0.000+/-0.000 χ^2/NDF: 53.9/46

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3162378.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

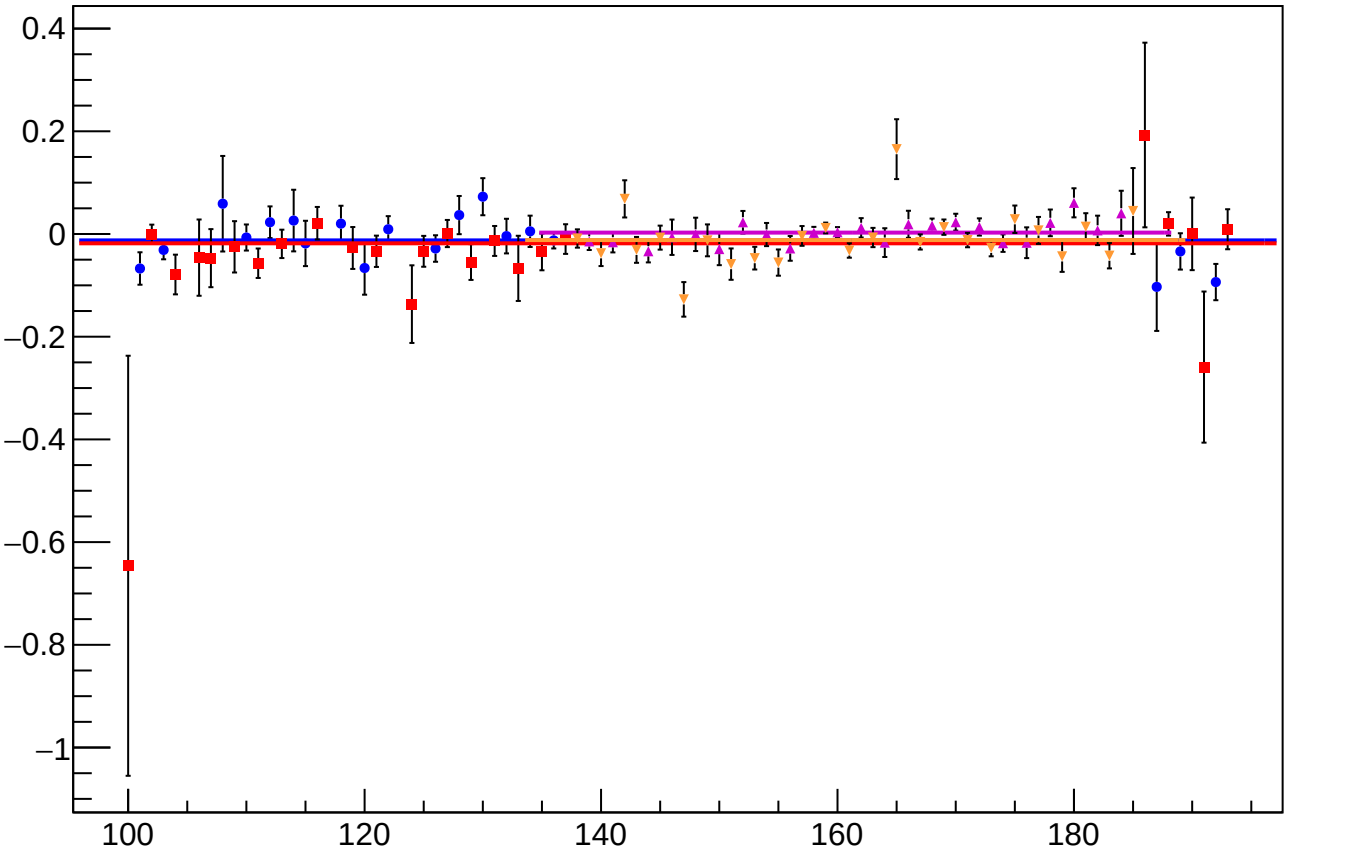
Right Out: 0.000+/-0.000 χ^2/NDF: 2697054.3/23

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: 10847020.5/90

- sign 0.000+/-0.000 χ^2/NDF: 5356748.7/46



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: -0.018+/-0.007 χ^2/NDF: 22.5/23

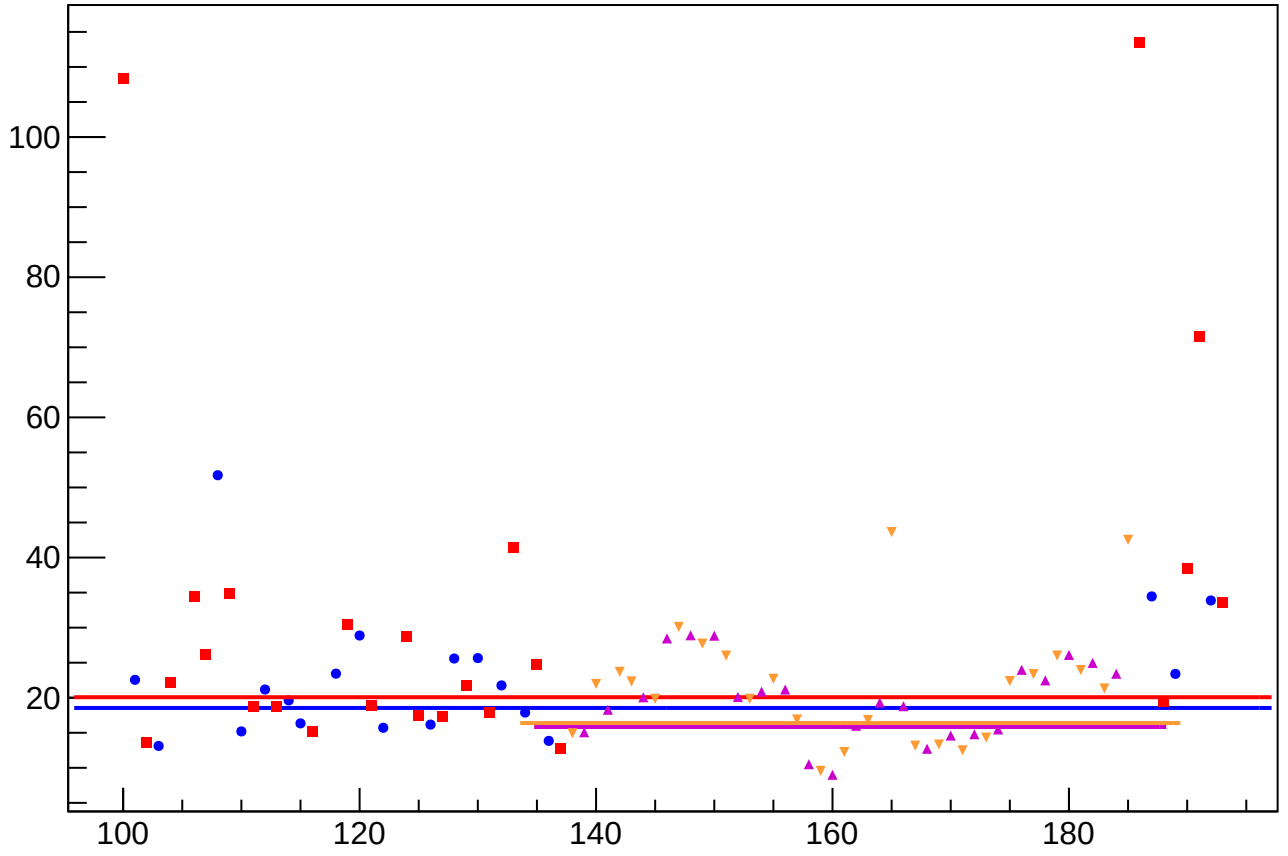
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.004 χ^2/NDF: 77.4/43

All: -0.007+/-0.002 χ^2/NDF: 129.8/90

- sign -0.002+/-0.004 χ^2/NDF: 48.7/46

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

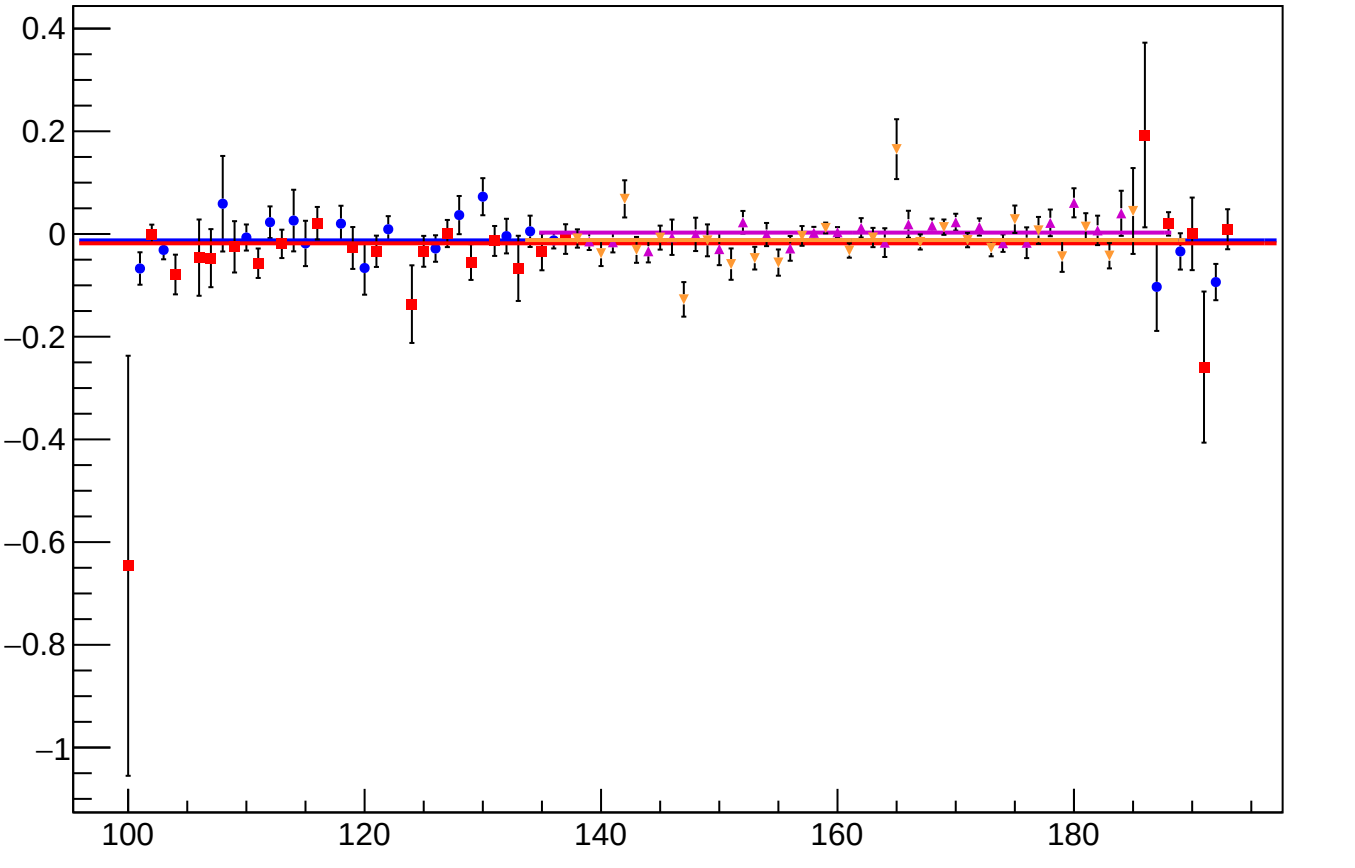
Right Out: 20.073+/-0.005 χ^2/NDF: 2442794.6/23

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 16.943+/-0.002 χ^2/NDF: 5686288.3/43

All: 16.897+/-0.002 χ^2/NDF: 12319387.1/90

- sign 16.851+/-0.002 χ^2/NDF: 6632413.5/46



Right In: -0.012+/-0.007 χ^2/NDF: 23.9/18

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

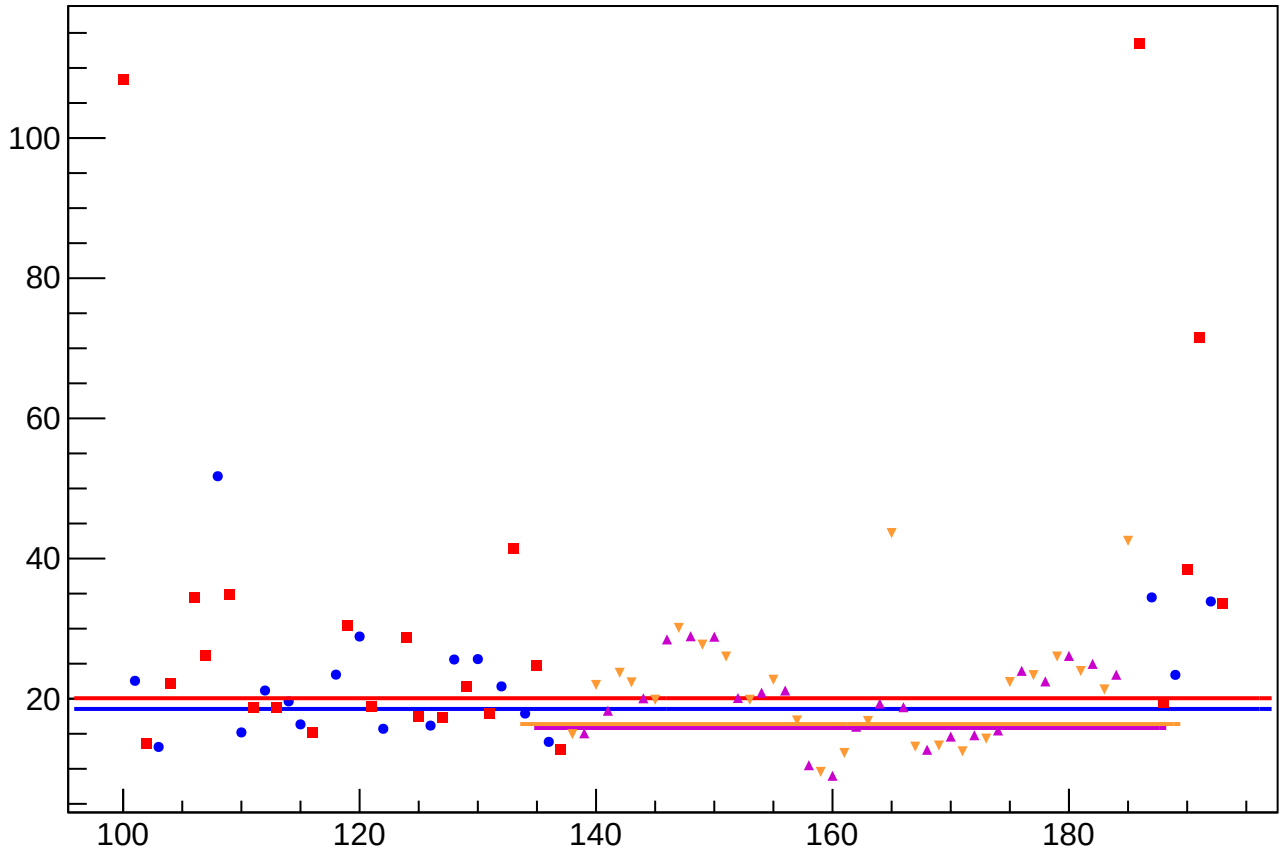
Right Out: -0.018+/-0.007 χ^2/NDF: 22.5/23

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: 129.8/90

- sign -0.002+/-0.004 χ^2/NDF: 48.7/46



Right In: 18.542+/-0.005 χ^2/NDF: 1511446.5/18

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

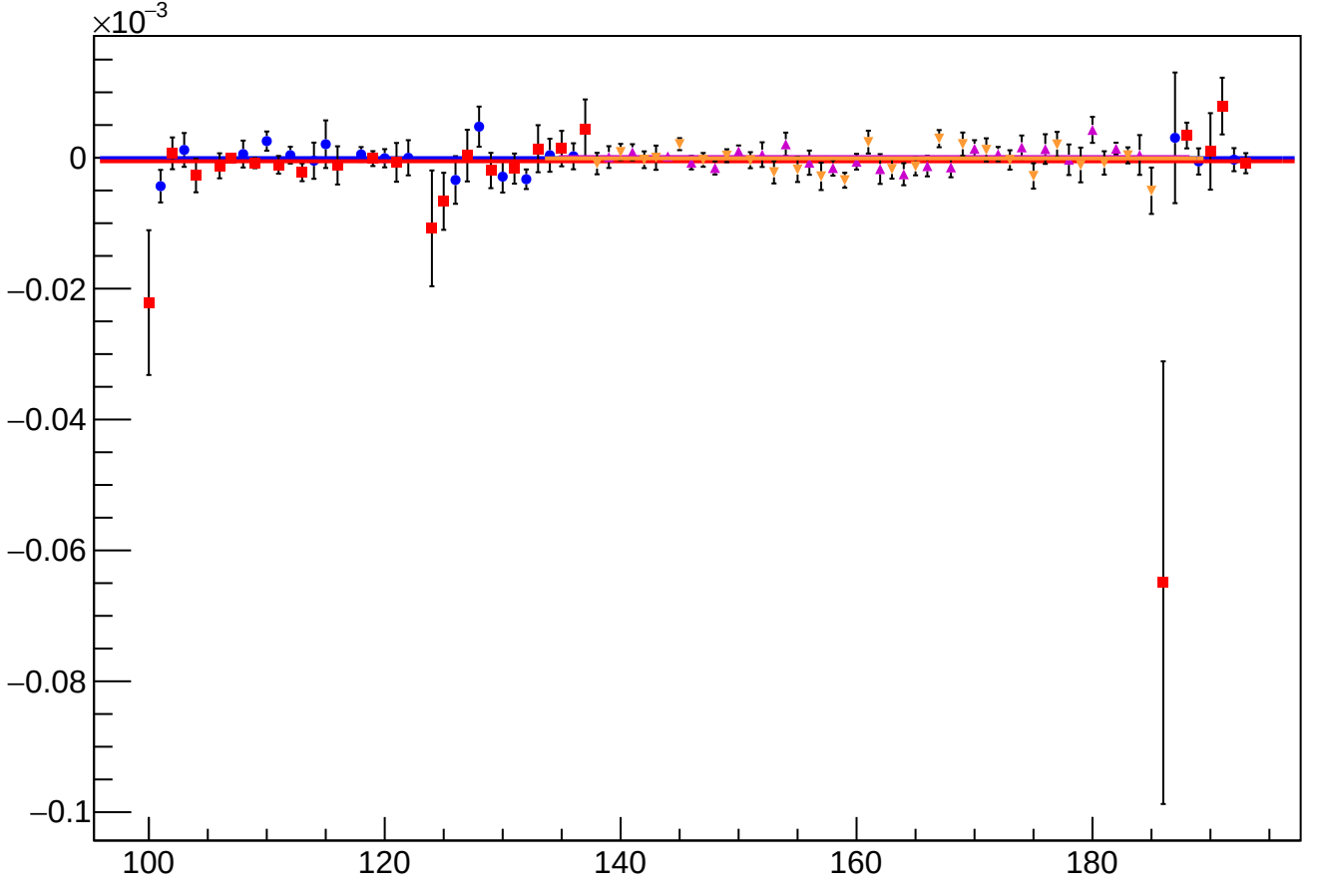
Right Out: 20.073+/-0.005 χ^2/NDF: 2442794.6/23

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 16.943+/-0.002 χ^2/NDF: 5686288.3/43

All: 16.897+/-0.002 χ^2/NDF: 12319387.1/90

\- sign 16.851+/-0.002 χ^2/NDF: 6632413.5/46



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: 24.6/23

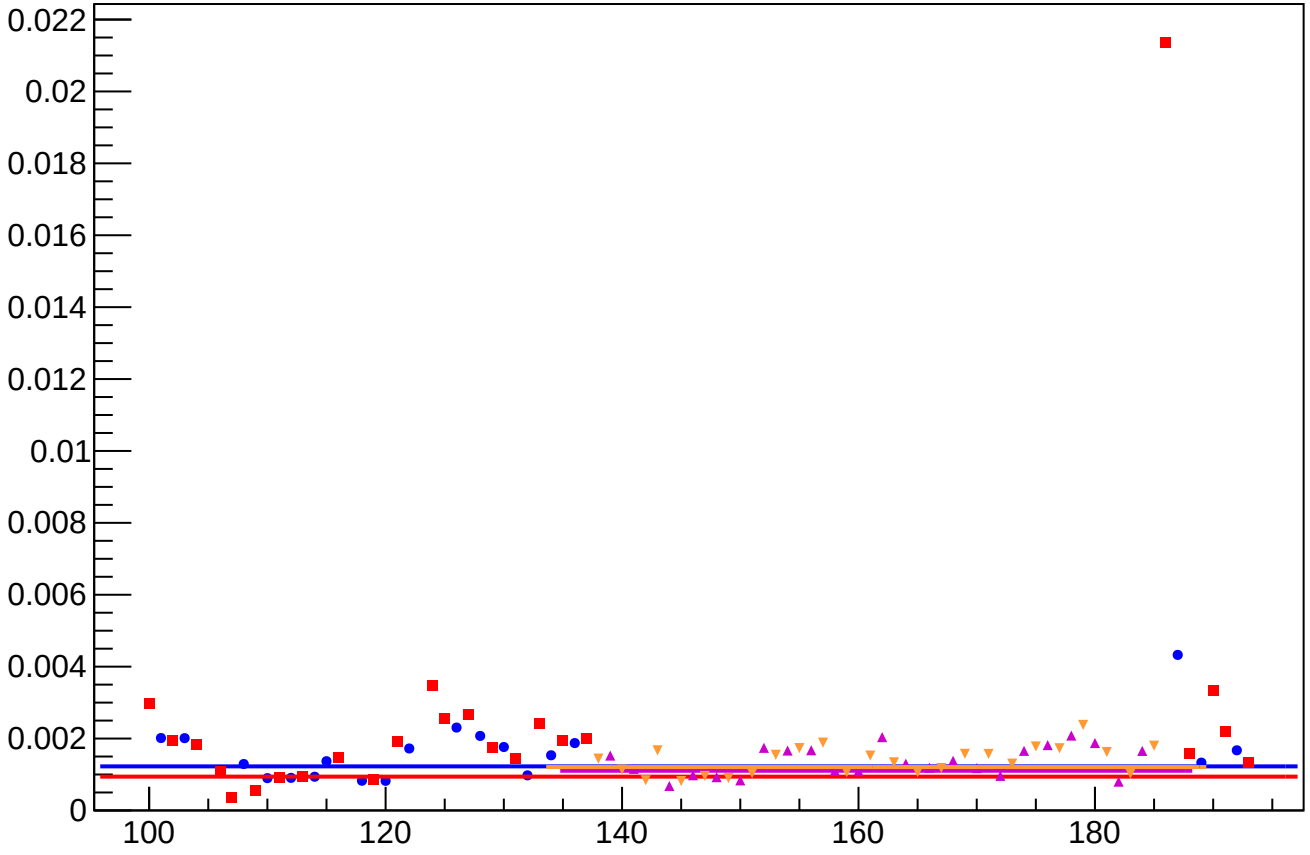
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.8/43

All: -0.000+/-0.000 χ^2/NDF: 101.4/90

- sign -0.000+/-0.000 χ^2/NDF: 48.6/46

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

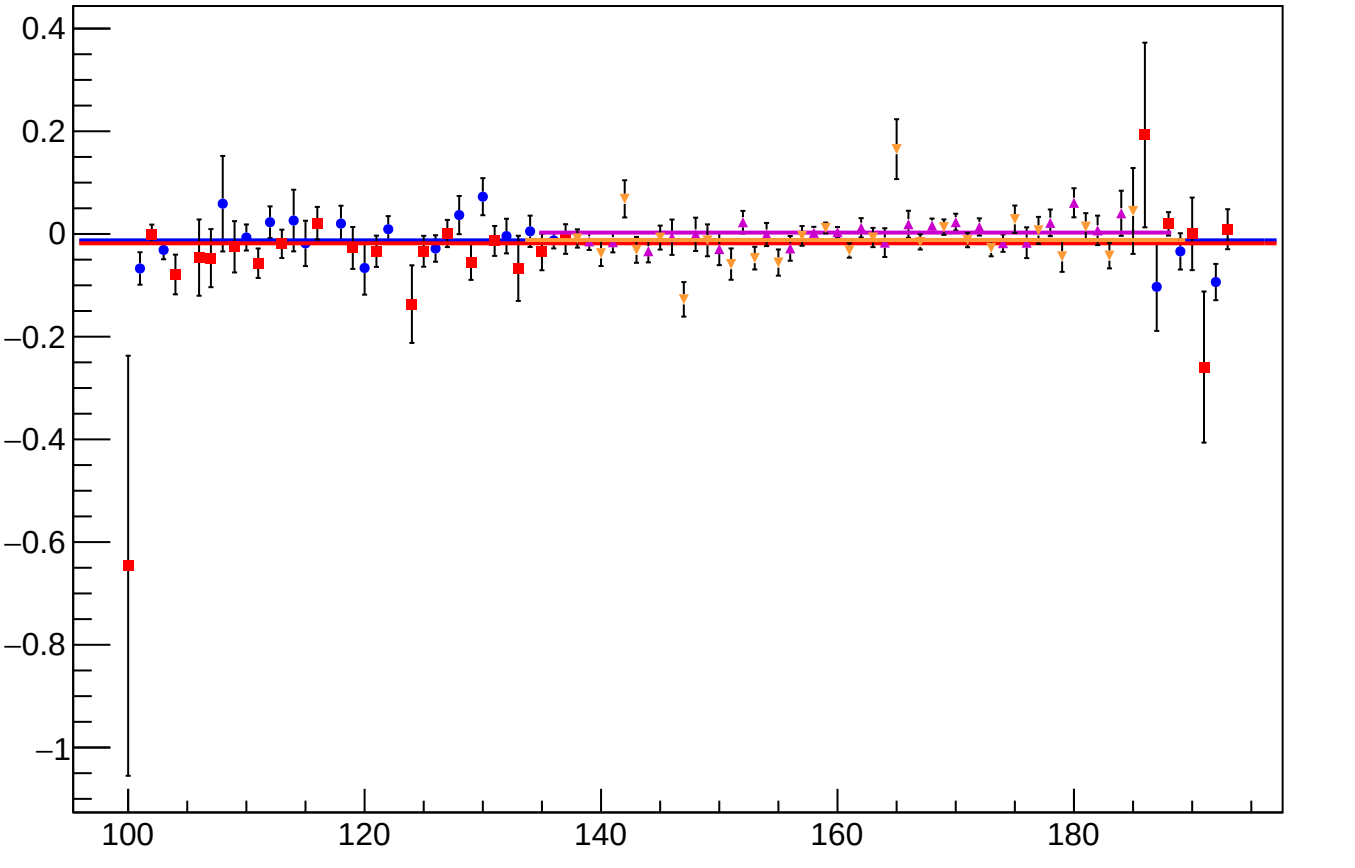
Right Out: 0.001+/-0.000 χ^2/NDF: 6087166.6/23

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: 15272886.4/90

- sign 0.001+/-0.000 χ^2/NDF: 9841386.6/46



Right In: -0.012+/-0.007 χ^2/NDF: 23.9/18

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

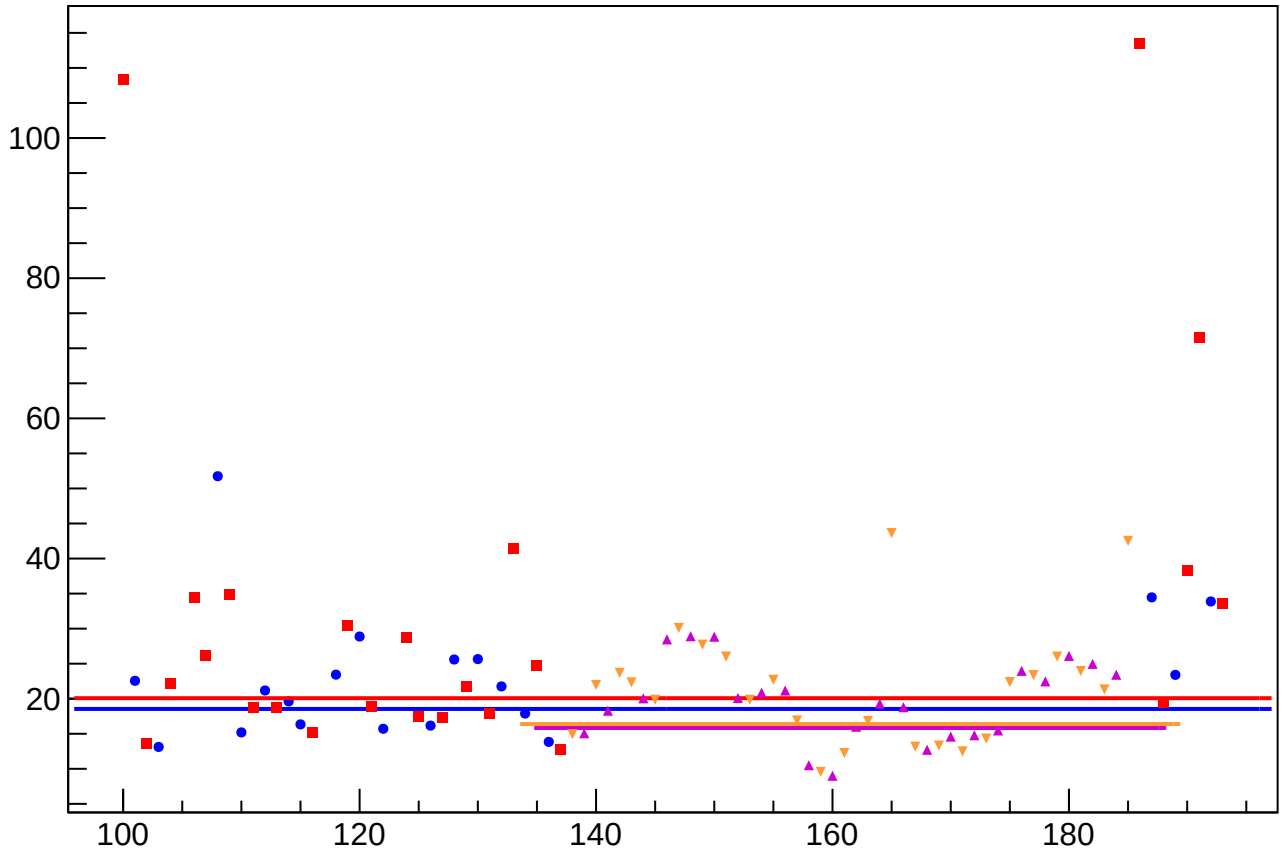
Right Out: -0.018+/-0.007 χ^2/NDF: 22.5/23

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: 129.8/90

- sign -0.002+/-0.004 χ^2/NDF: 48.7/46



Right In: 18.542+/-0.005 χ^2/NDF: 1511495.4/18

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

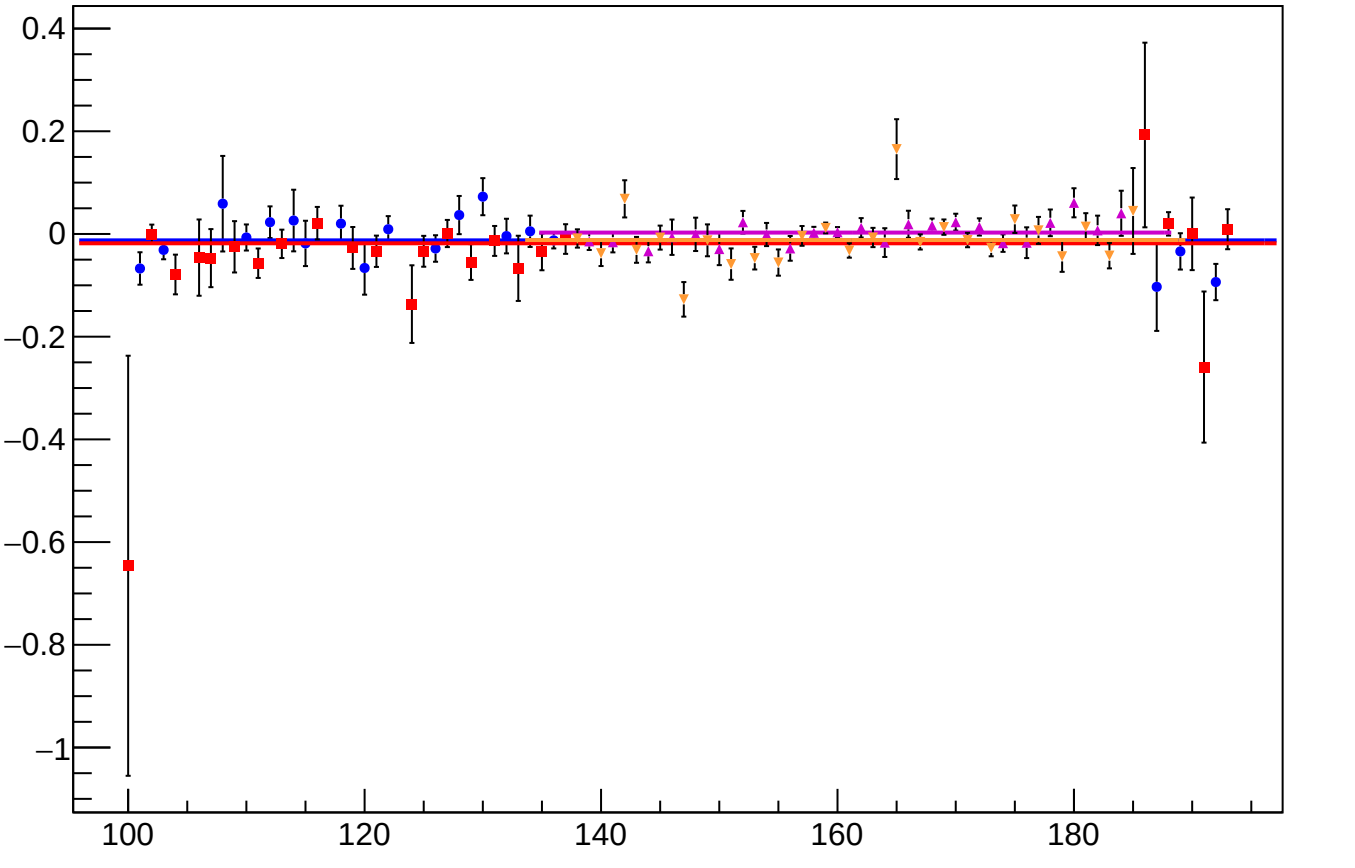
Right Out: 20.074+/-0.005 χ^2/NDF: 2442637.2/23

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

\+ sign 16.943+/-0.002 χ^2/NDF: 5686622.9/43

All: 16.897+/-0.002 χ^2/NDF: 12320111.1/90

\- sign 16.851+/-0.002 χ^2/NDF: 6632803.3/46



Right In: -0.012+/-0.007 χ^2/NDF: 23.9/18

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

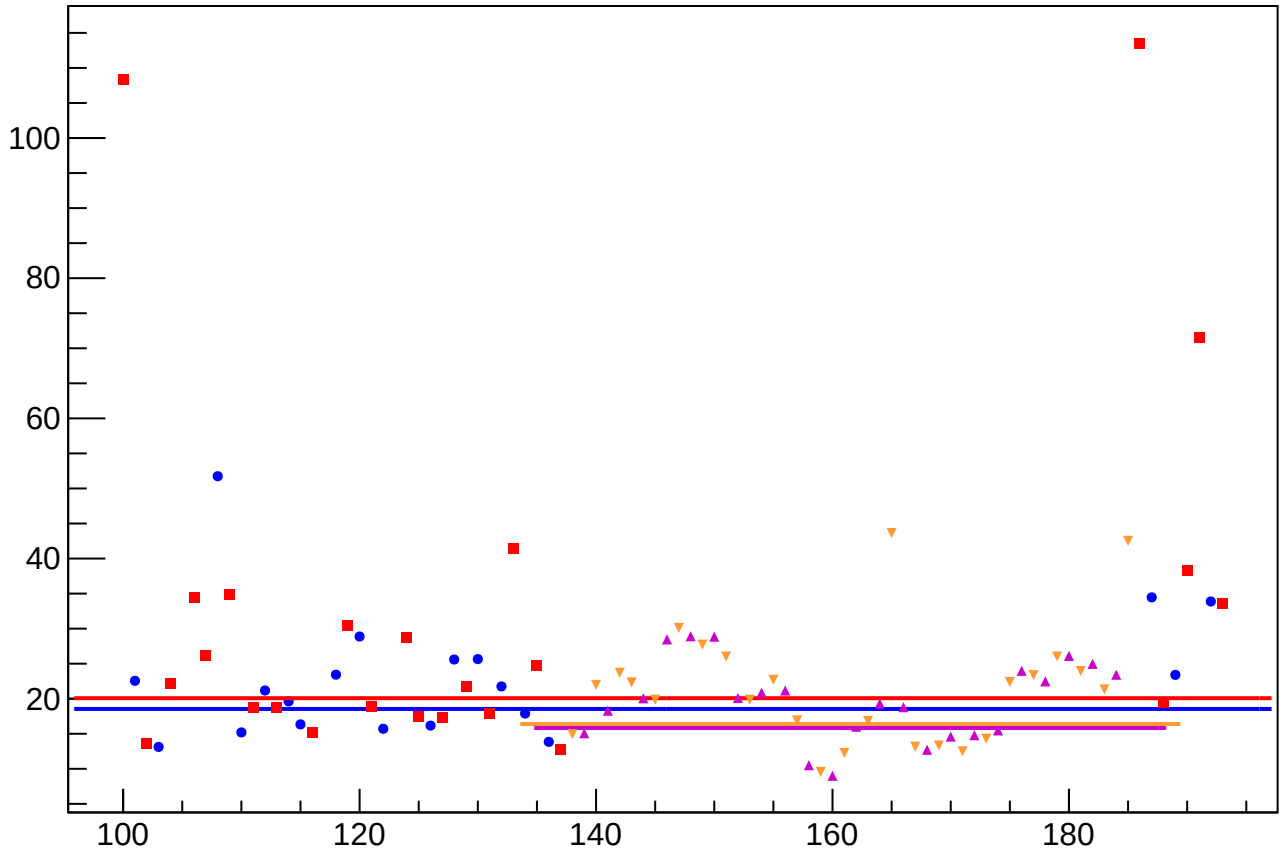
Right Out: -0.018+/-0.007 χ^2/NDF: 22.5/23

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: 129.8/90

- sign -0.002+/-0.004 χ^2/NDF: 48.7/46



Right In: 18.542+/-0.005 χ^2/NDF: 1511495.4/18

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

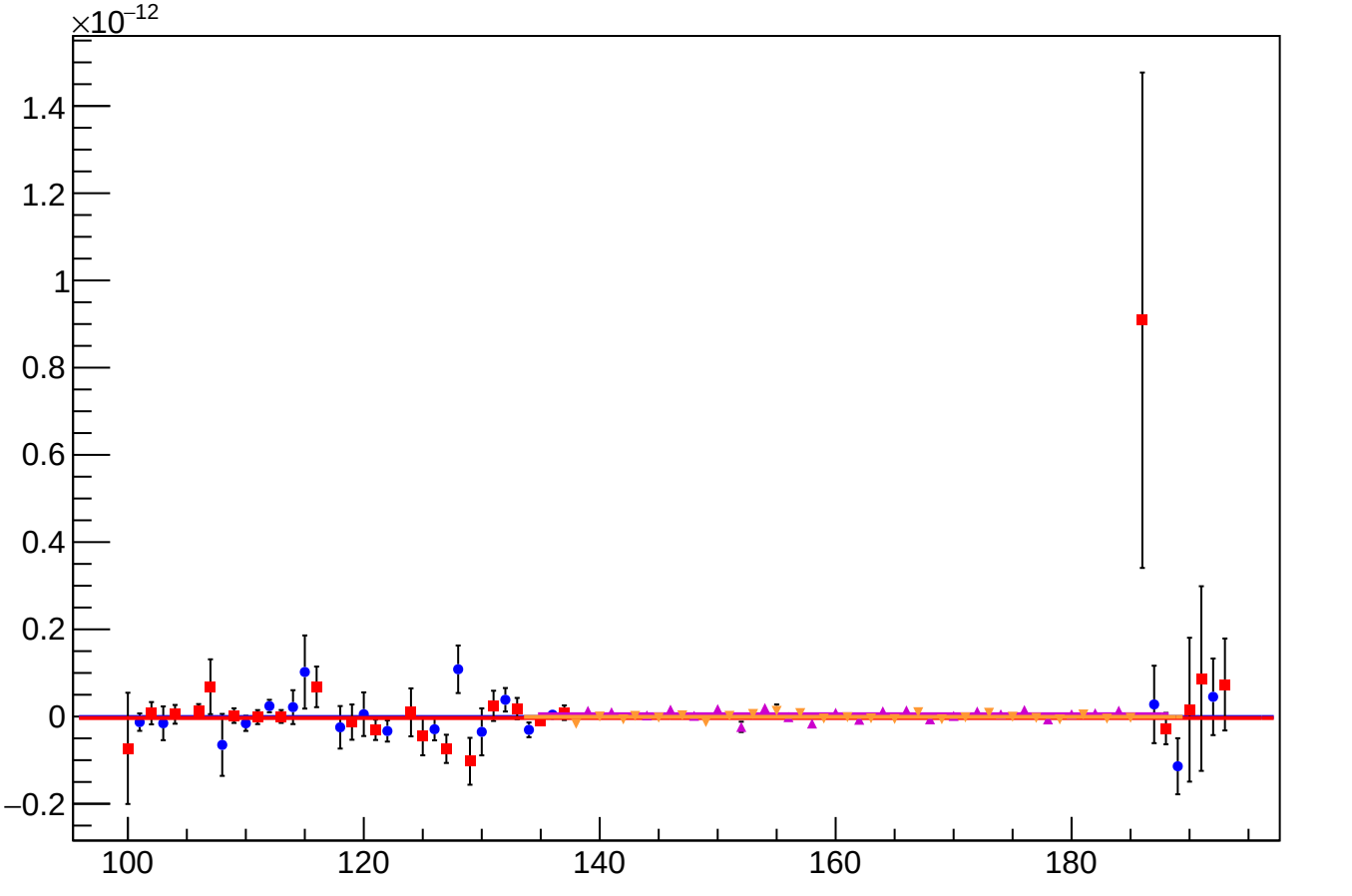
Right Out: 20.074+/-0.005 χ^2/NDF: 2442637.2/23

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

\+ sign 16.943+/-0.002 χ^2/NDF: 5686622.9/43

All: 16.897+/-0.002 χ^2/NDF: 12320111.1/90

\- sign 16.851+/-0.002 χ^2/NDF: 6632803.3/46



Right In: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

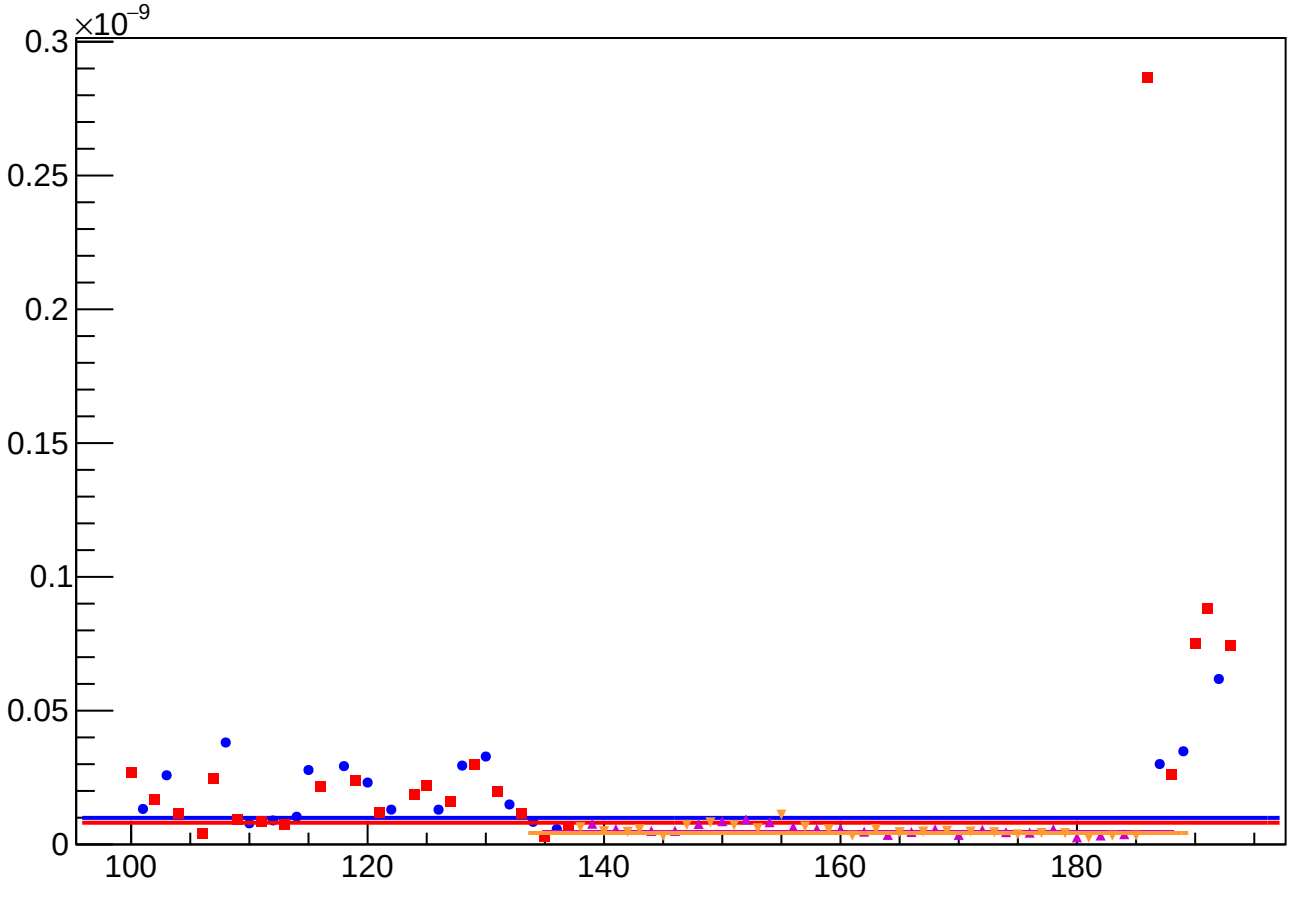
Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/23

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: 115.6/90

- sign 0.000+/-0.000 χ^2/NDF: 64.3/46



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: 5492162.4/23

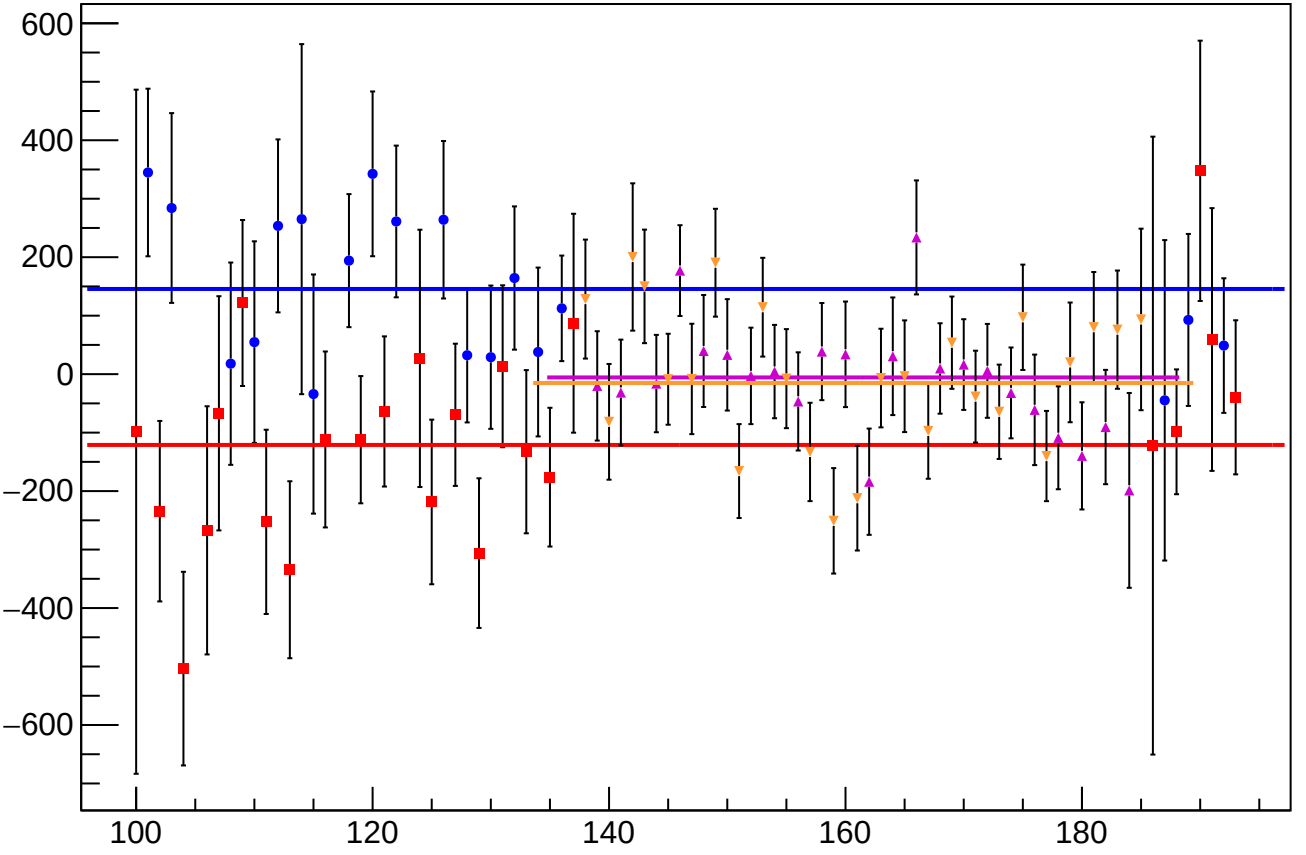
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8700678.6/43

All: 0.000+/-0.000 χ^2/NDF: 17883484.6/90

- sign 0.000+/-0.000 χ^2/NDF: 9110951.1/46

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: -121.068+/-30.960 χ^2/NDF: 23.4/23

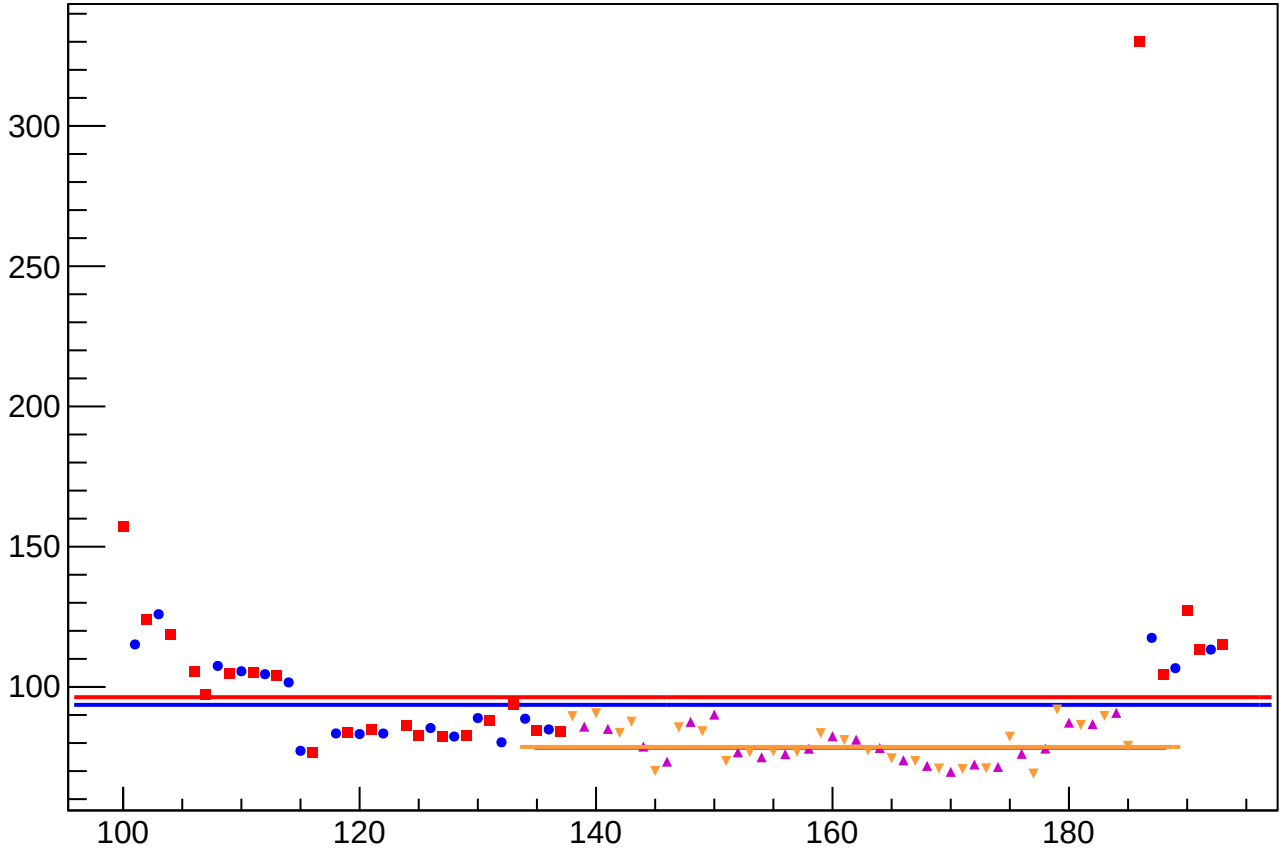
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 23.848+/-15.631 χ^2/NDF: 73.6/43

All: -5.603+/-11.114 χ^2/NDF: 137.5/90

- sign -35.716+/-15.806 χ^2/NDF: 56.6/46

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: 96.345+/-0.022 χ^2/NDF: 825672.5/23

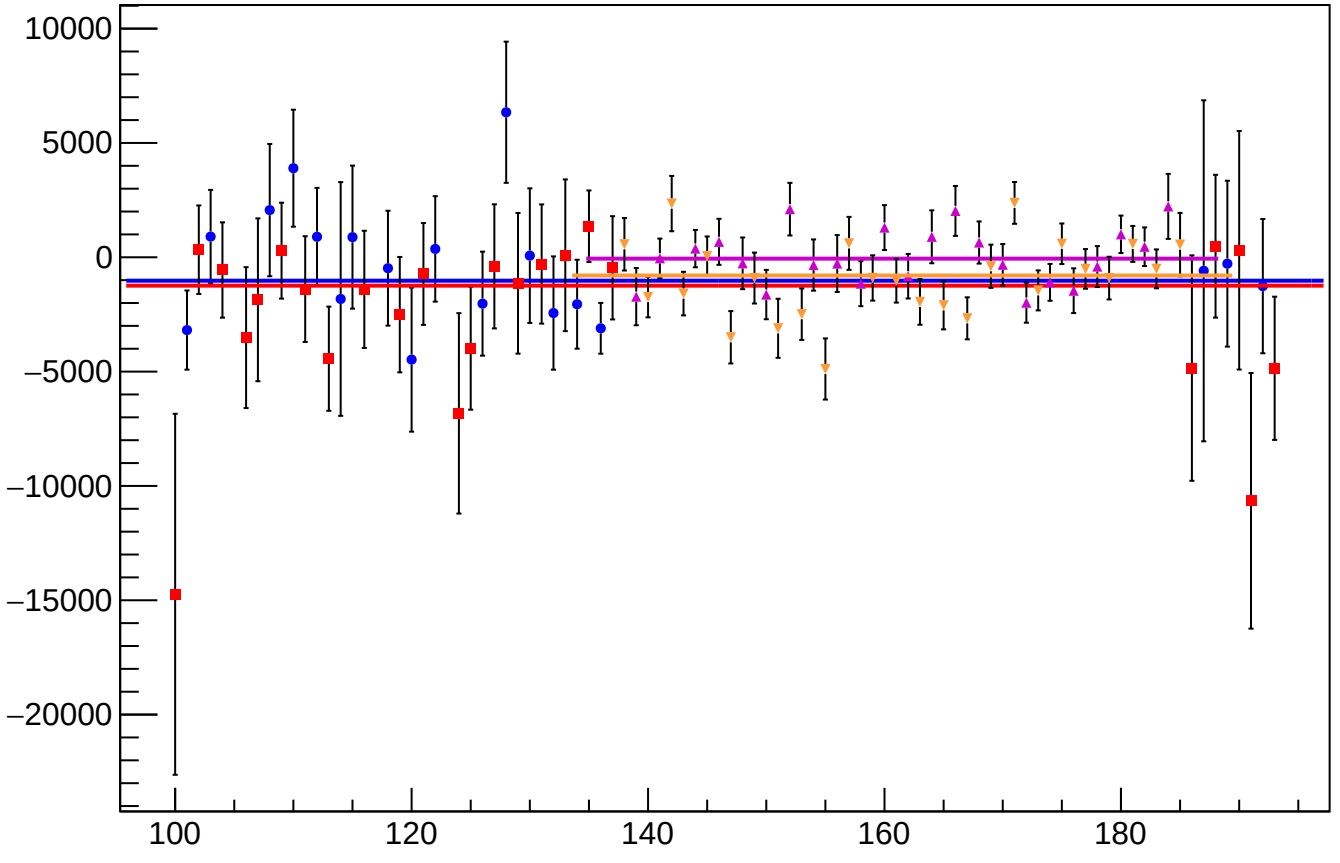
Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 82.252+/-0.011 χ^2/NDF: 1021211.8/43

All: 82.636+/-0.008 χ^2/NDF: 2558912.4/90

- sign 83.028+/-0.011 χ^2/NDF: 1535258.0/46

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1023.926+/-533.507 χ^2/NDF: 20.3/18

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

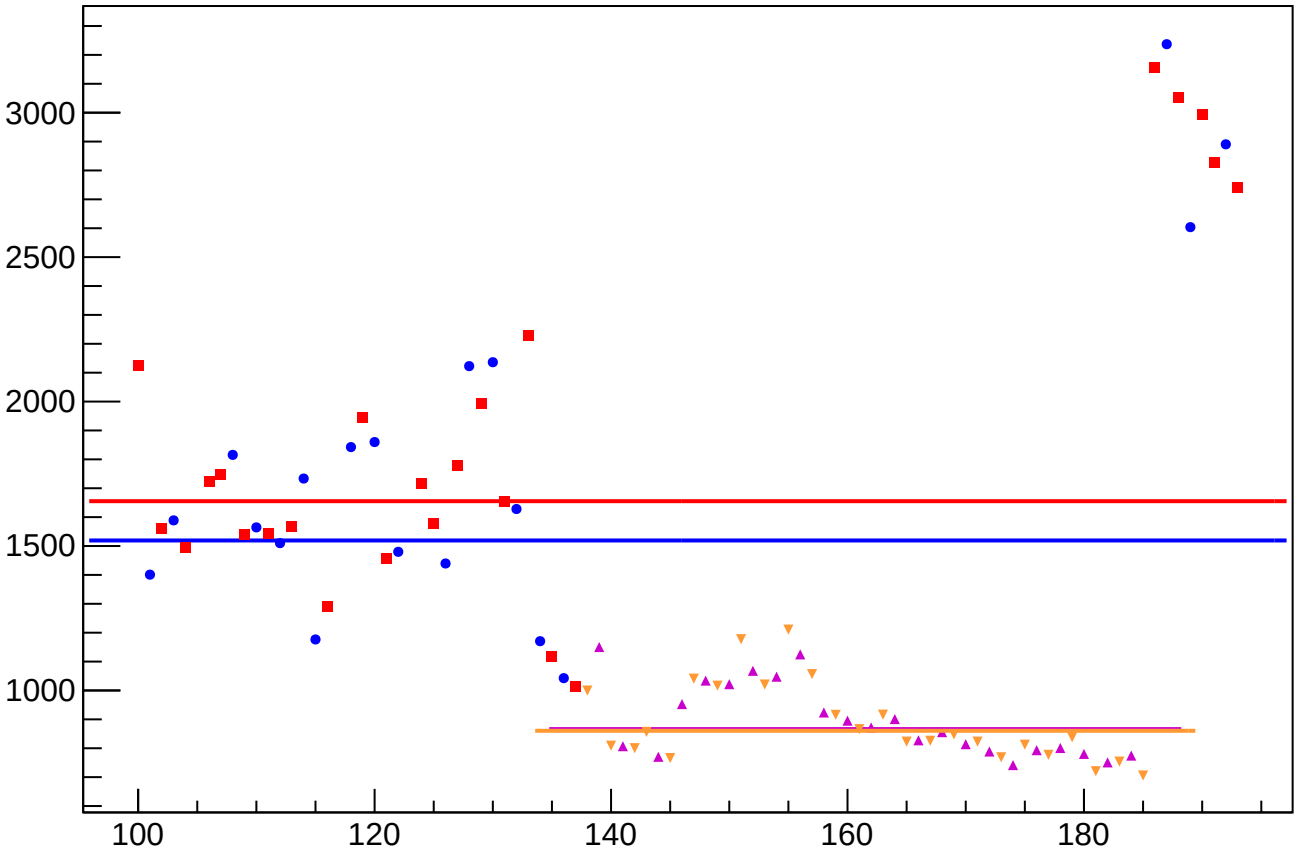
Right Out: -1240.716+/-542.019 χ^2/NDF: 18.1/23

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.444+/-185.533 χ^2/NDF: 79.9/43

All: -524.952+/-133.178 χ^2/NDF: 138.0/90

- sign -206.608+/-191.283 χ^2/NDF: 52.7/46



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: 1655.248+/-0.383 χ^2/NDF: 1655741.8/23

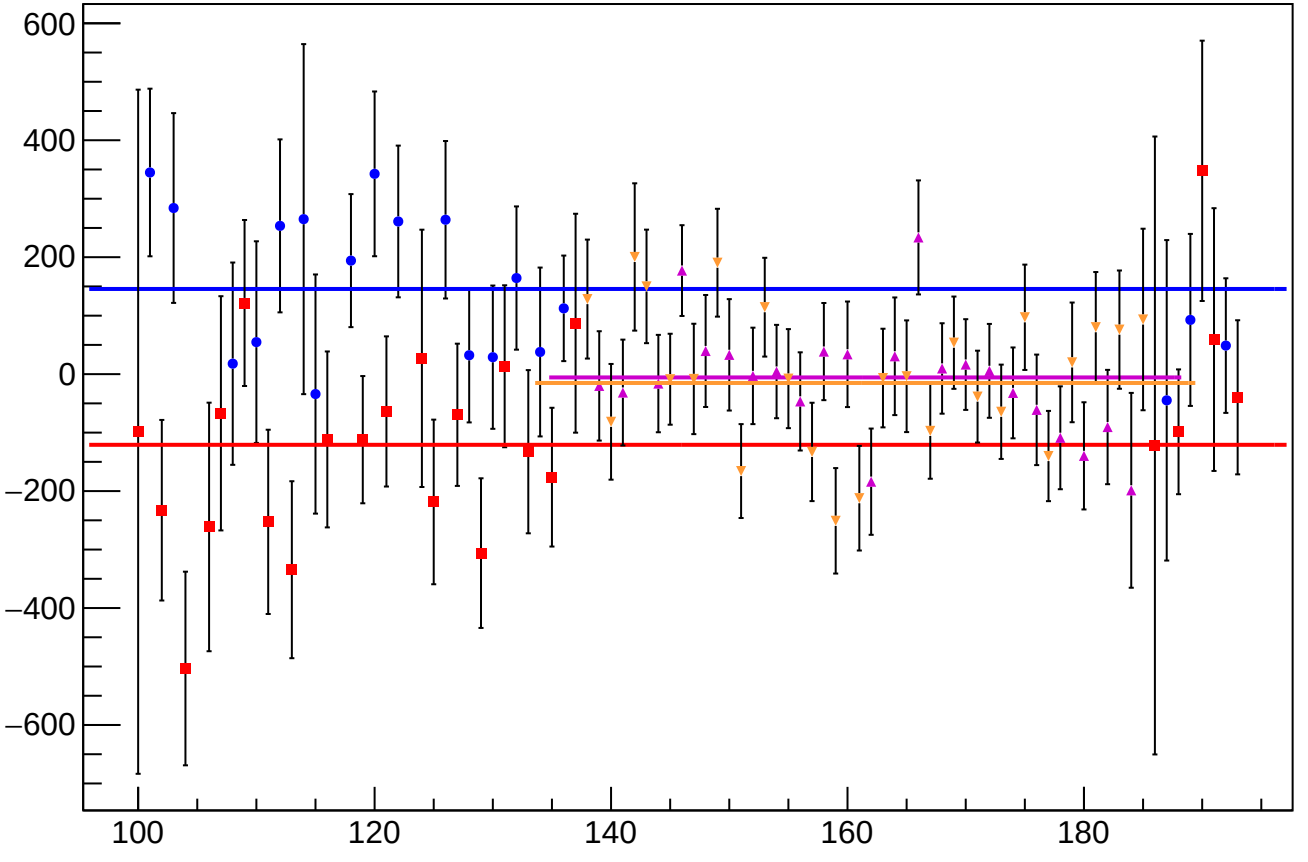
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 940.156+/-0.131 χ^2/NDF: 4821472.2/43

All: 952.007+/-0.094 χ^2/NDF: 10816461.1/90

- sign 964.604+/-0.135 χ^2/NDF: 5978155.4/46

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: -120.857+/-30.962 χ^2/NDF: 23.3/23

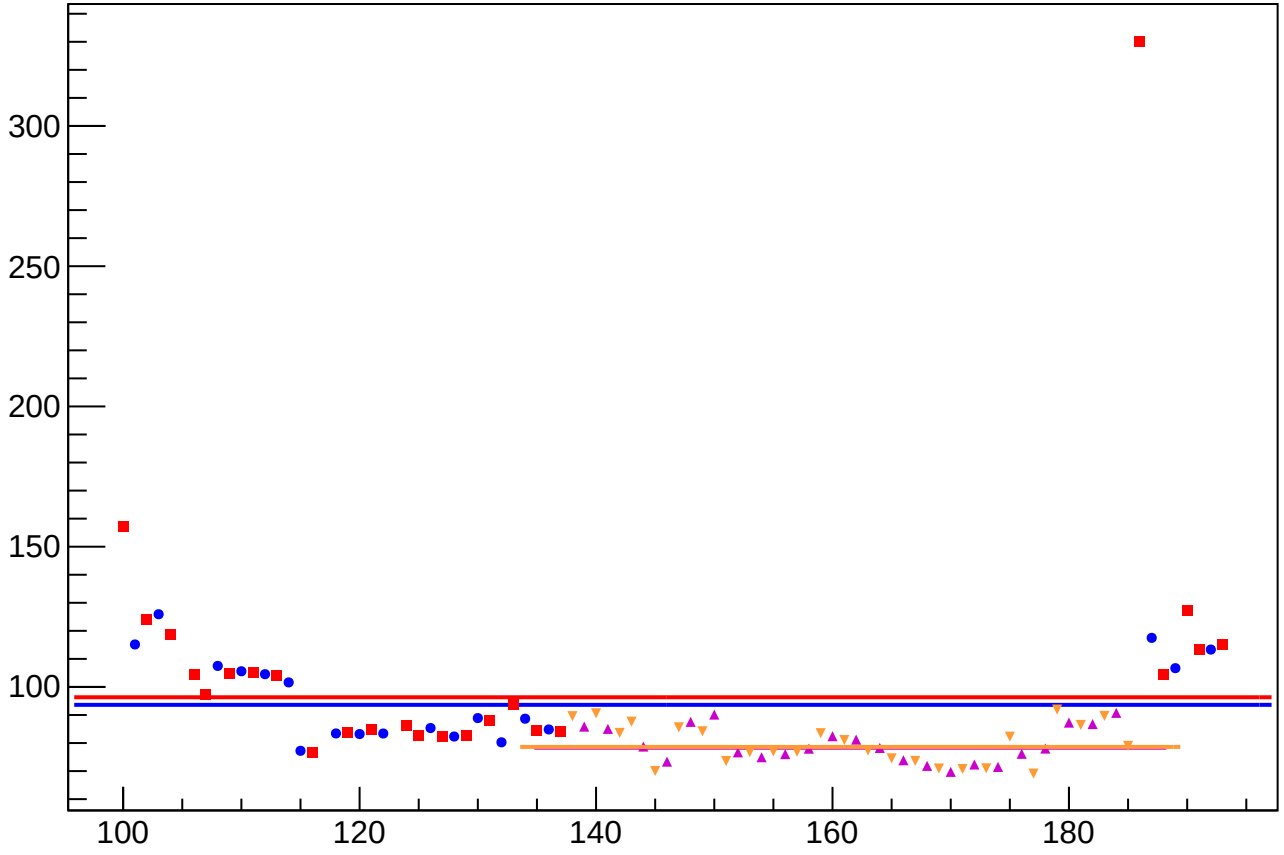
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 23.849+/-15.631 χ^2/NDF: 73.6/43

All: -5.573+/-11.114 χ^2/NDF: 137.3/90

- sign -35.656+/-15.806 χ^2/NDF: 56.5/46

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

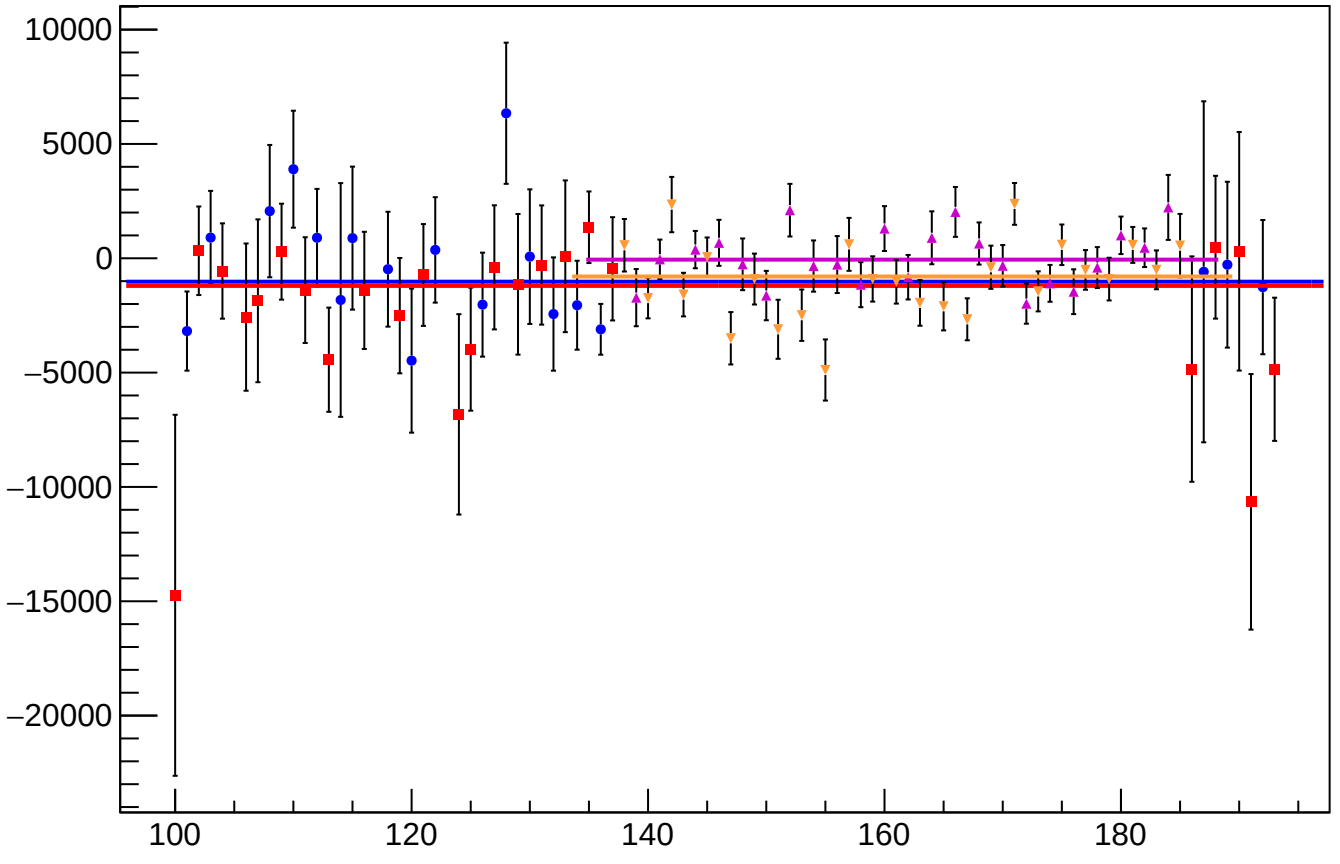
Right Out: 96.319+/-0.022 χ^2/NDF: 824879.8/23

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 82.252+/-0.011 χ^2/NDF: 1021213.7/43

All: 82.632+/-0.008 χ^2/NDF: 2556557.9/90

- sign 83.021+/-0.011 χ^2/NDF: 1532947.3/46



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: -1208.438+/-542.743 χ^2/NDF: 17.7/23

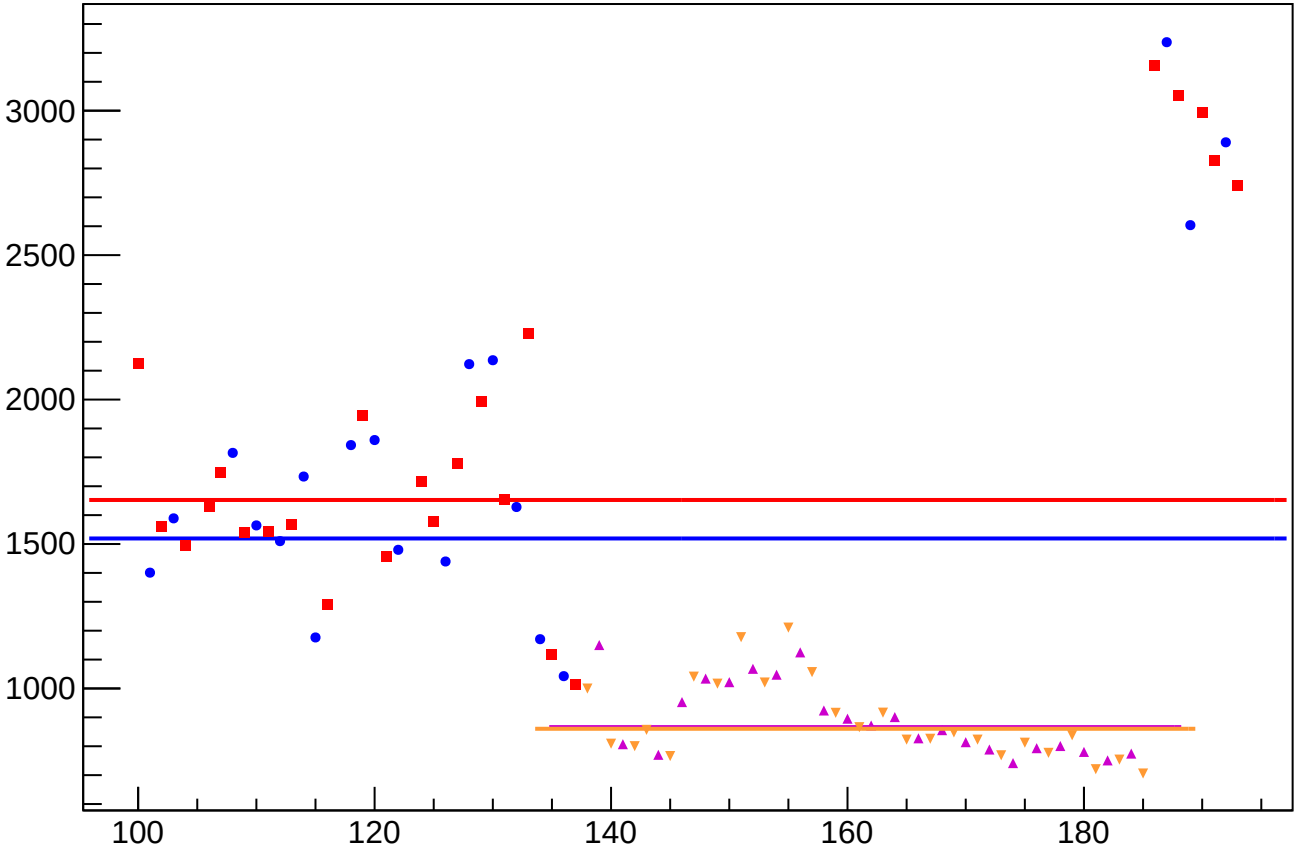
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.441+/-185.533 χ^2/NDF: 79.9/43

All: -522.891+/-133.189 χ^2/NDF: 137.5/90

- sign -202.254+/-191.315 χ^2/NDF: 52.1/46

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: 1652.458+/-0.384 χ^2/NDF: 1654807.0/23

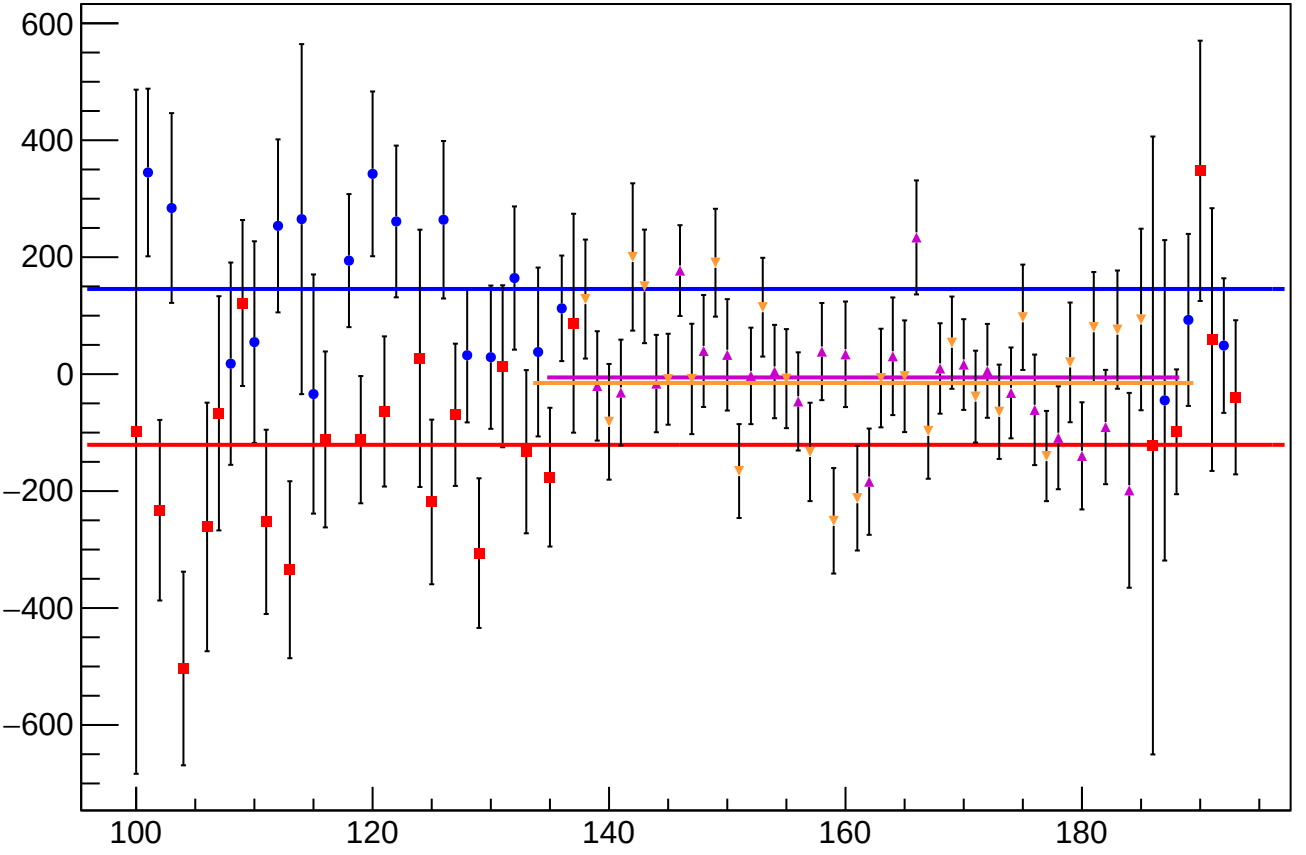
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 940.156+/-0.131 χ^2/NDF: 4821493.0/43

All: 951.726+/-0.094 χ^2/NDF: 10779960.3/90

- sign 964.028+/-0.135 χ^2/NDF: 5942420.4/46

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: -120.857+/-30.962 χ^2/NDF: 23.3/23

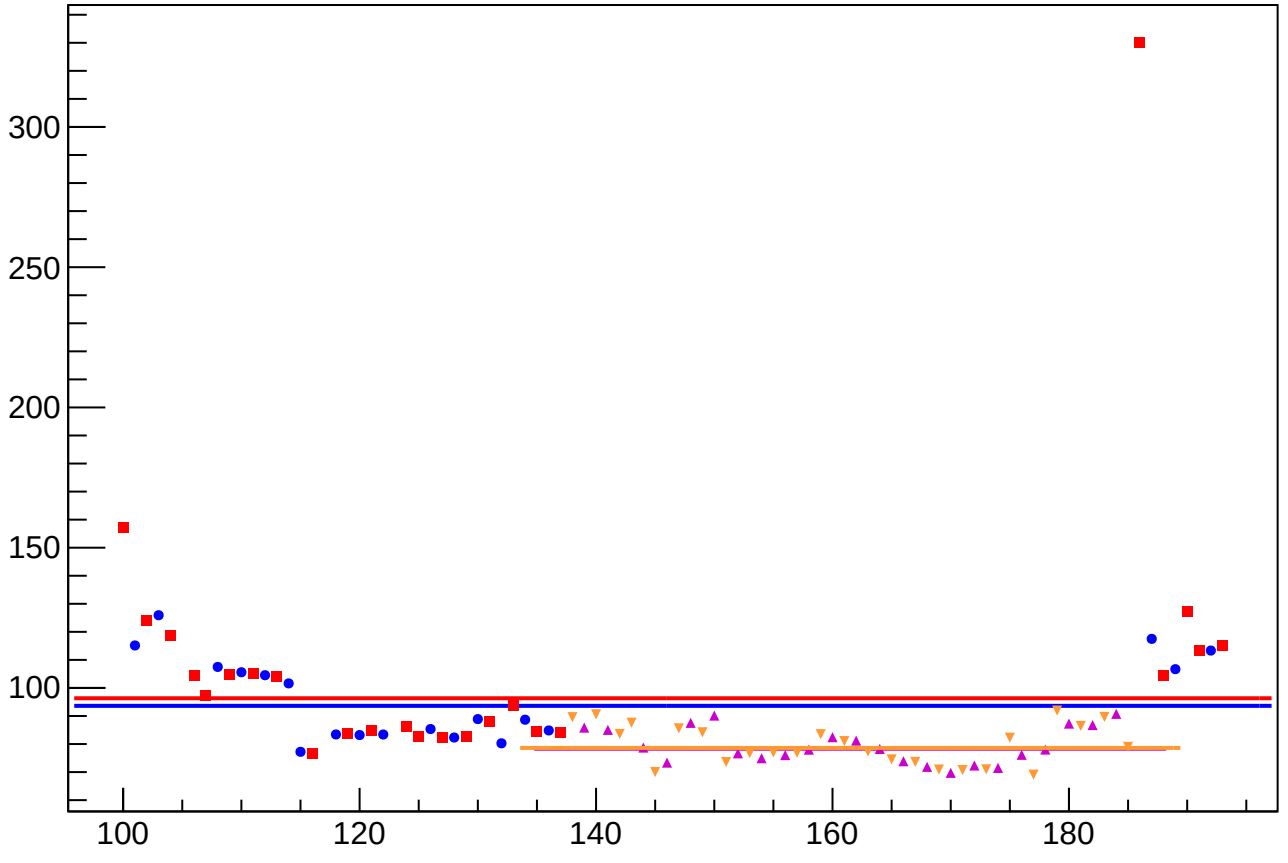
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 23.849+/-15.631 χ^2/NDF: 73.6/43

All: -5.573+/-11.114 χ^2/NDF: 137.3/90

- sign -35.656+/-15.806 χ^2/NDF: 56.5/46

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

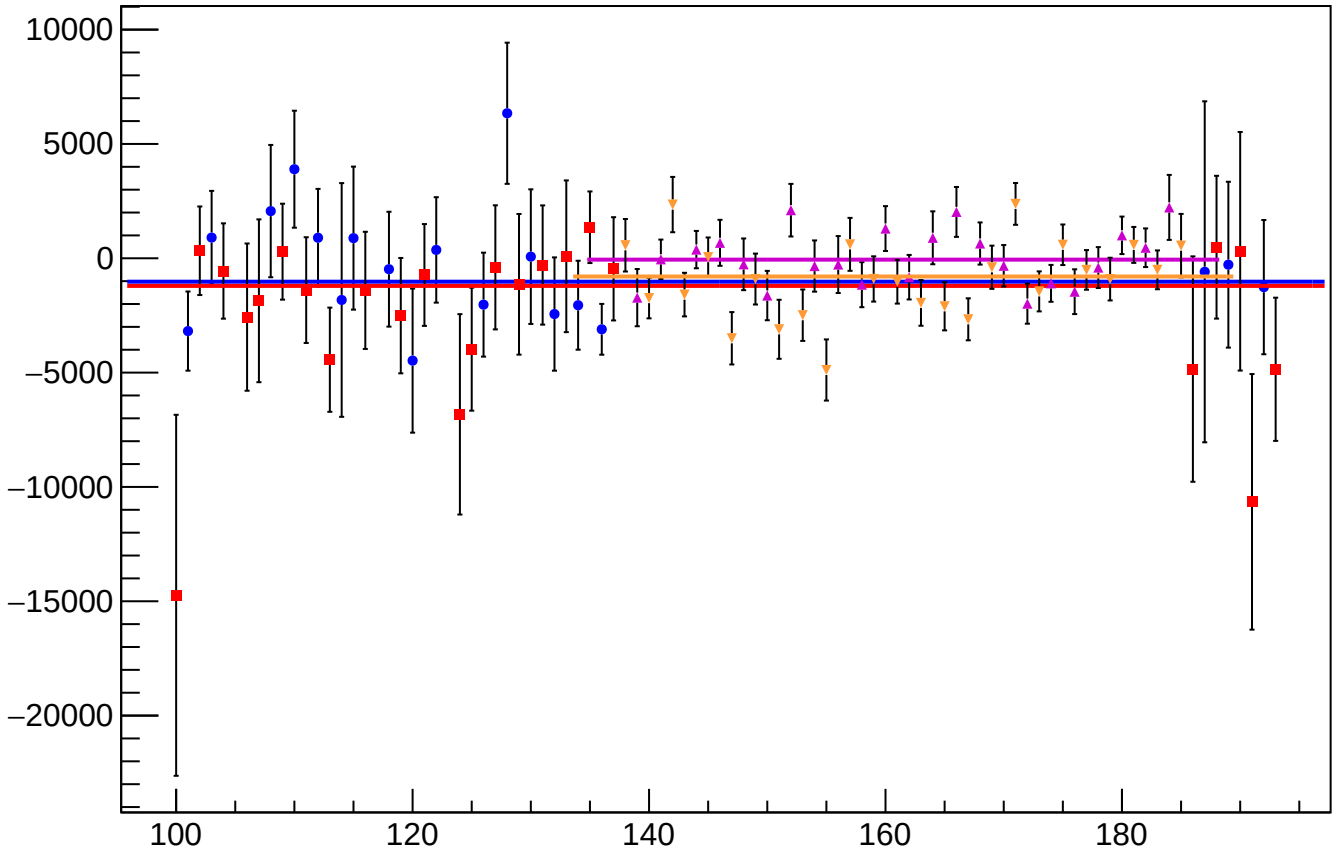
Right Out: 96.319+/-0.022 χ^2/NDF: 824879.8/23

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 82.252+/-0.011 χ^2/NDF: 1021213.7/43

All: 82.632+/-0.008 χ^2/NDF: 2556557.9/90

- sign 83.021+/-0.011 χ^2/NDF: 1532947.3/46



Right In: -1023.903+/-533.509 χ^2/NDF: 20.3/18

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

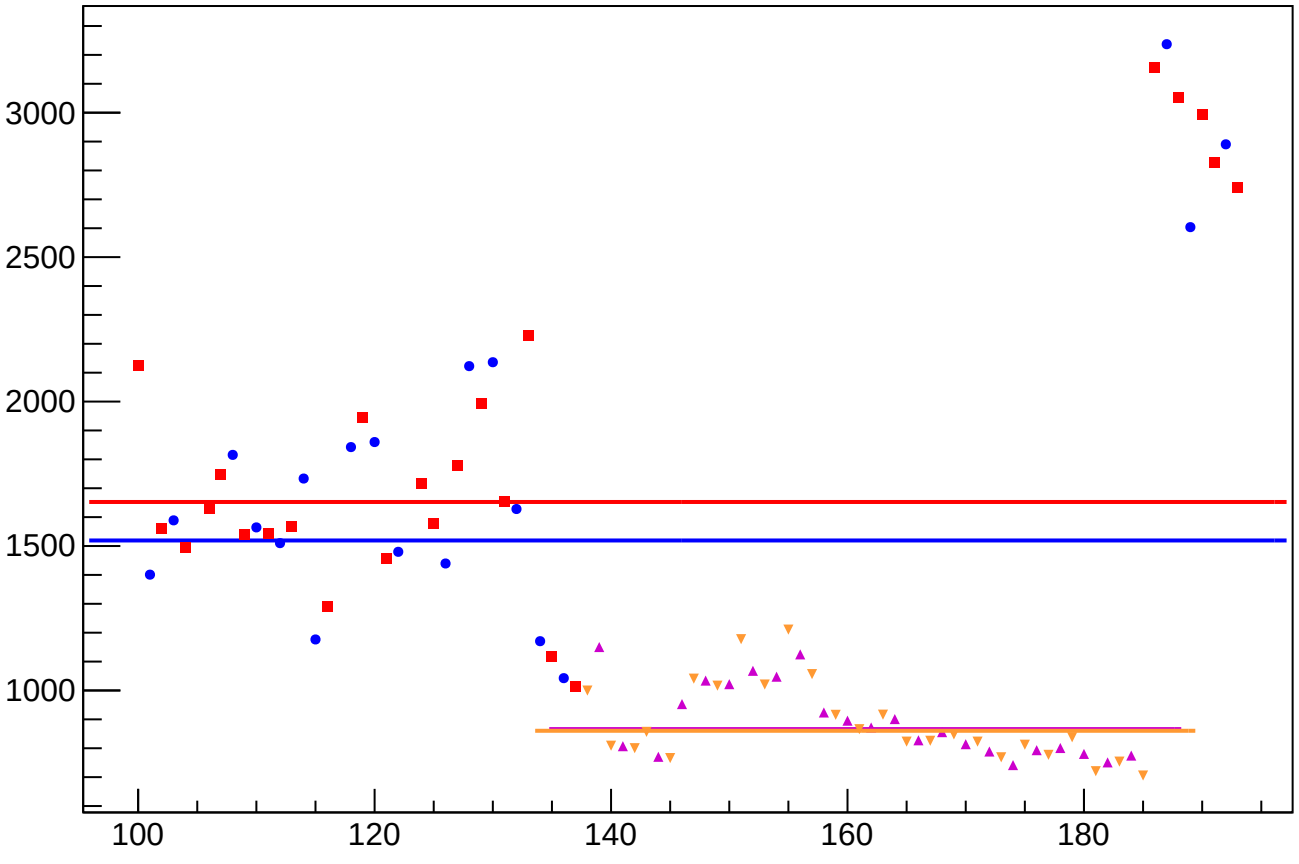
Right Out: -1208.438+/-542.743 χ^2/NDF: 17.7/23

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.441+/-185.533 χ^2/NDF: 79.9/43

All: -522.891+/-133.189 χ^2/NDF: 137.5/90

- sign -202.254+/-191.315 χ^2/NDF: 52.1/46



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: 1652.458+/-0.384 χ^2/NDF: 1654807.0/23

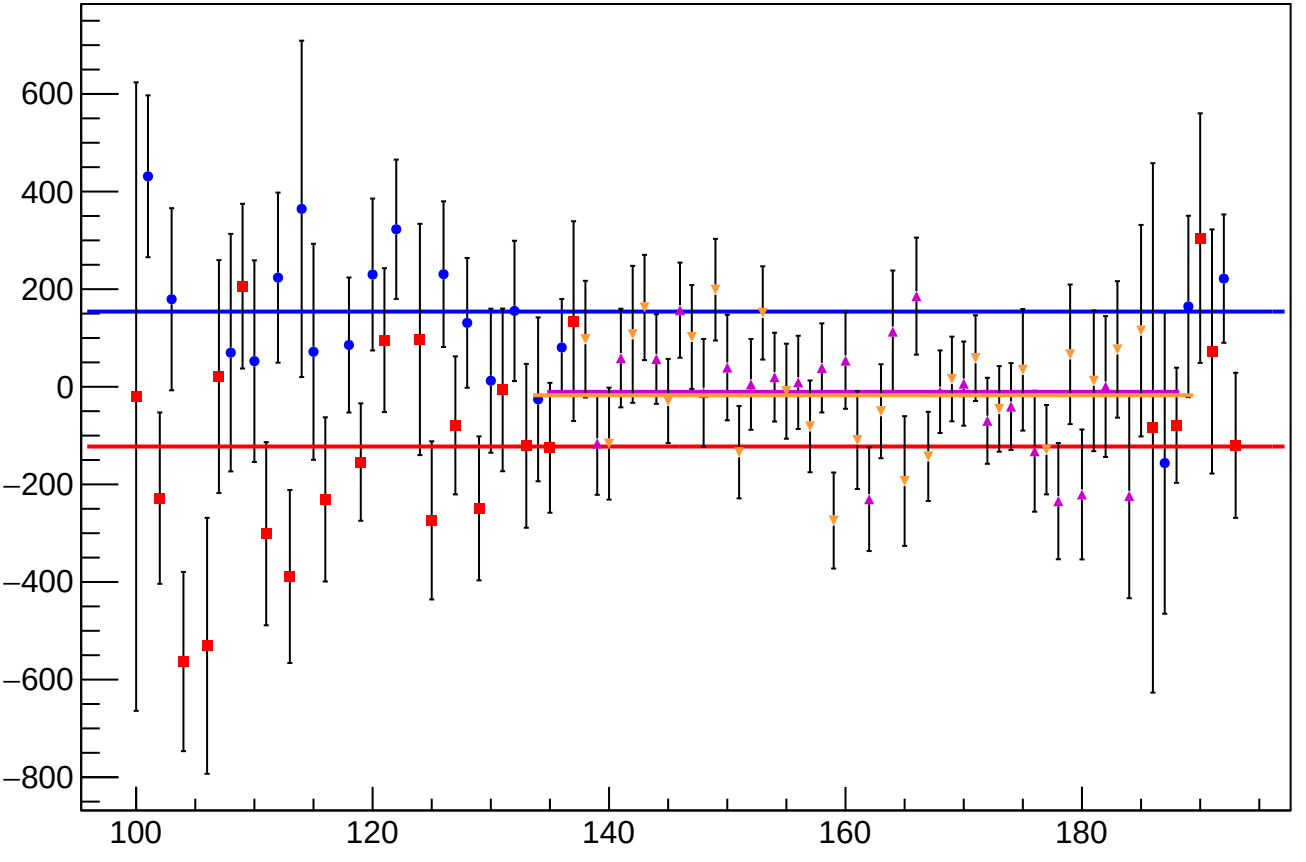
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 940.156+/-0.131 χ^2/NDF: 4821493.0/43

All: 951.726+/-0.094 χ^2/NDF: 10779960.3/90

- sign 964.028+/-0.135 χ^2/NDF: 5942420.4/46

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

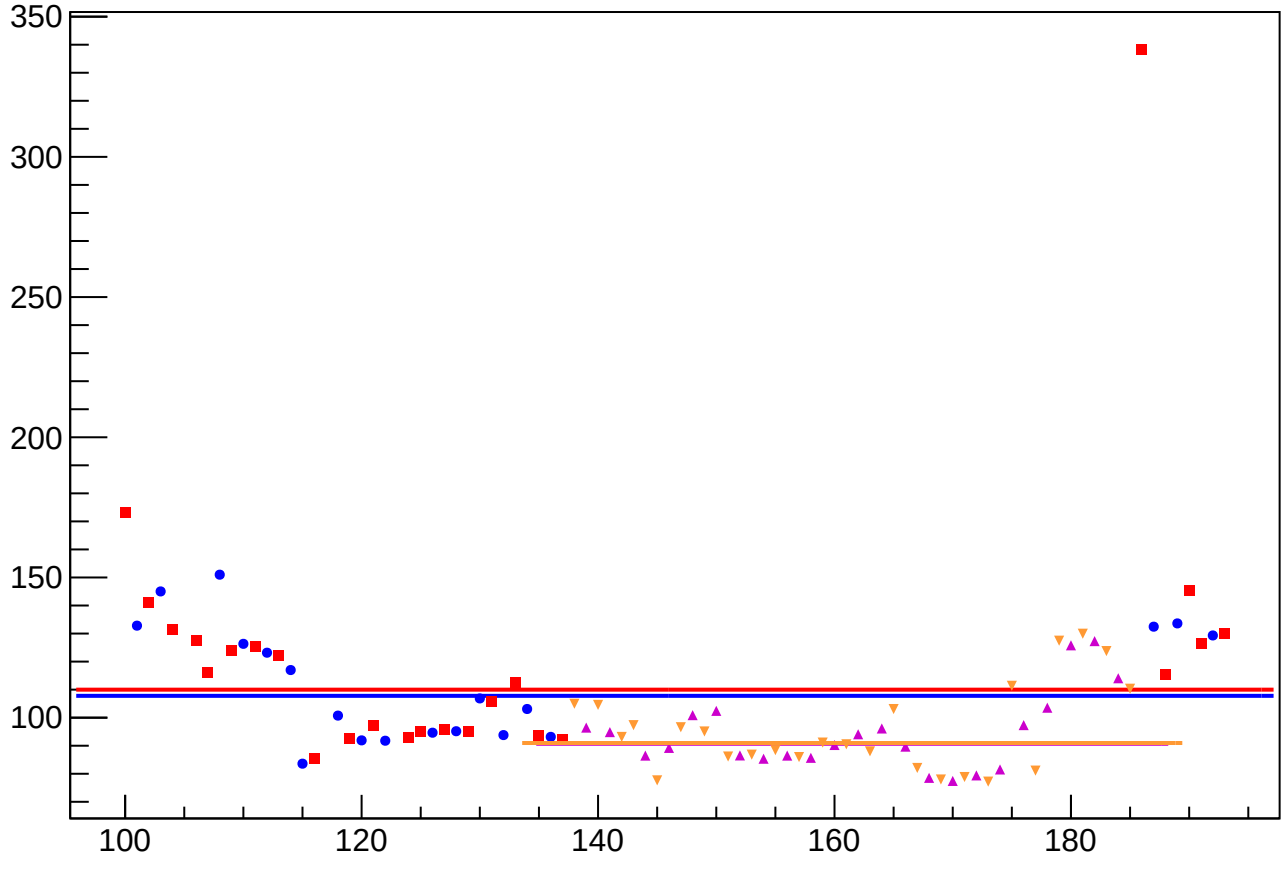
Right Out: -122.366+/-35.402 χ^2/NDF: 26.7/23

Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 24.789+/-18.226 χ^2/NDF: 57.5/43

All: -7.625+/-12.941 χ^2/NDF: 120.6/90

- sign -40.585+/-18.379 χ^2/NDF: 56.7/46



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: 109.992+/-0.025 χ^2/NDF: 810309.5/23

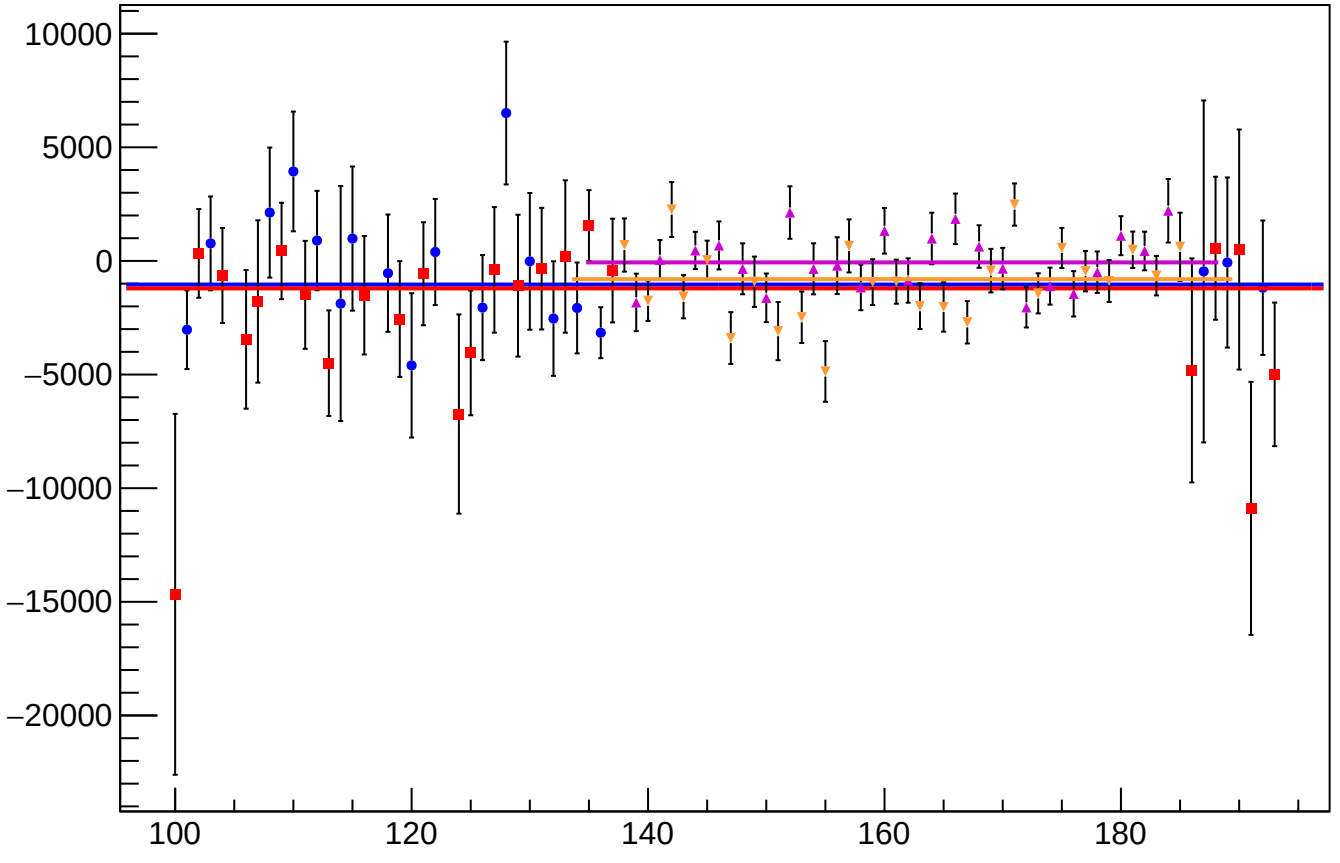
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 95.102+/-0.013 χ^2/NDF: 1599521.5/43

All: 95.494+/-0.009 χ^2/NDF: 3391974.6/90

- sign 95.892+/-0.013 χ^2/NDF: 1790588.7/46

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

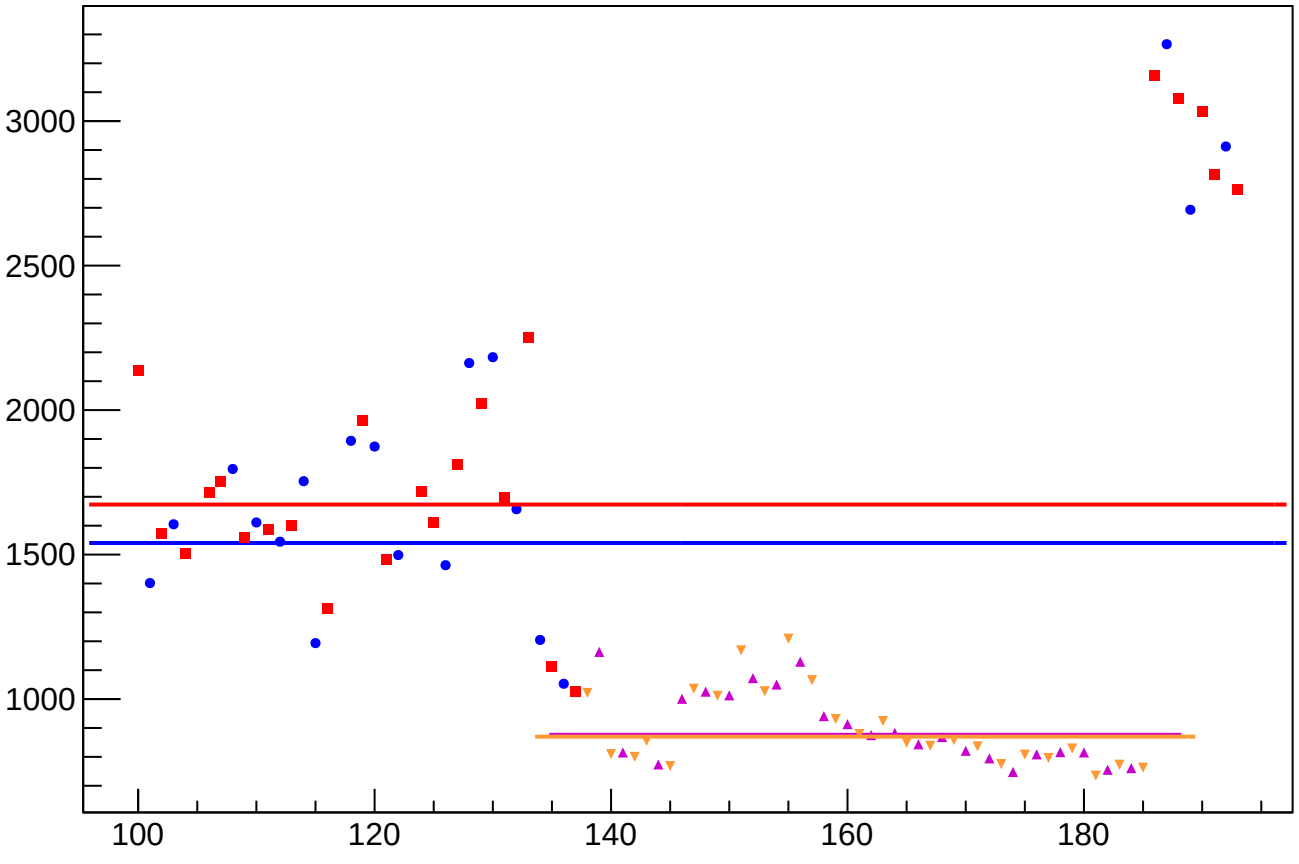
Right Out: -1208.465+/-547.658 χ^2/NDF: 18.8/23

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -831.017+/-187.461 χ^2/NDF: 78.6/43

All: -529.041+/-134.594 χ^2/NDF: 137.3/90

- sign -207.740+/-193.366 χ^2/NDF: 53.3/46



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: 1673.149+/-0.387 χ^2/NDF: 1659488.2/23

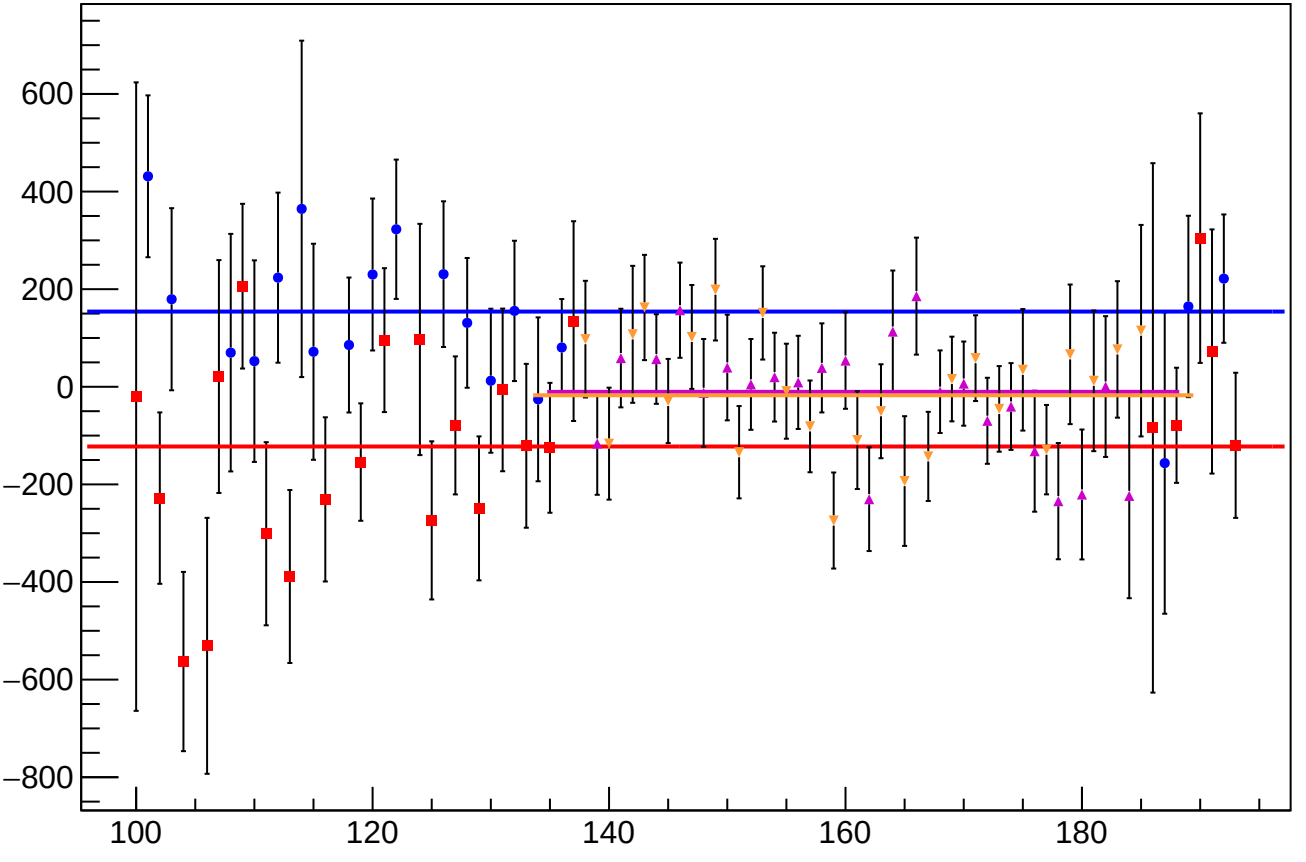
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 950.528+/-0.133 χ^2/NDF: 4804733.9/43

All: 962.683+/-0.095 χ^2/NDF: 10785303.8/90

- sign 975.615+/-0.137 χ^2/NDF: 5963216.5/46

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: -122.365+/-35.401 χ^2/NDF: 26.7/23

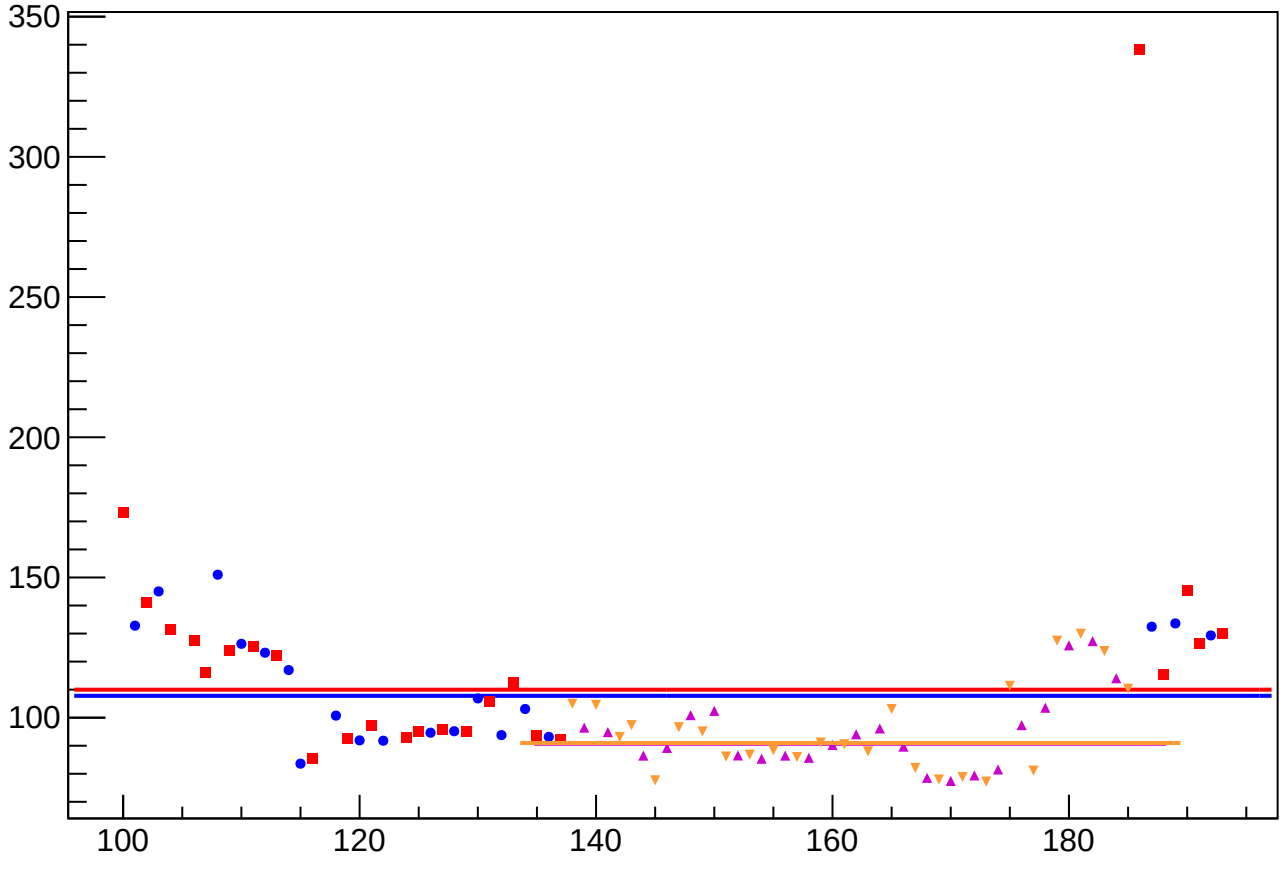
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 24.789+/-18.226 χ^2/NDF: 57.5/43

All: -7.625+/-12.941 χ^2/NDF: 120.6/90

- sign -40.585+/-18.379 χ^2/NDF: 56.7/46

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

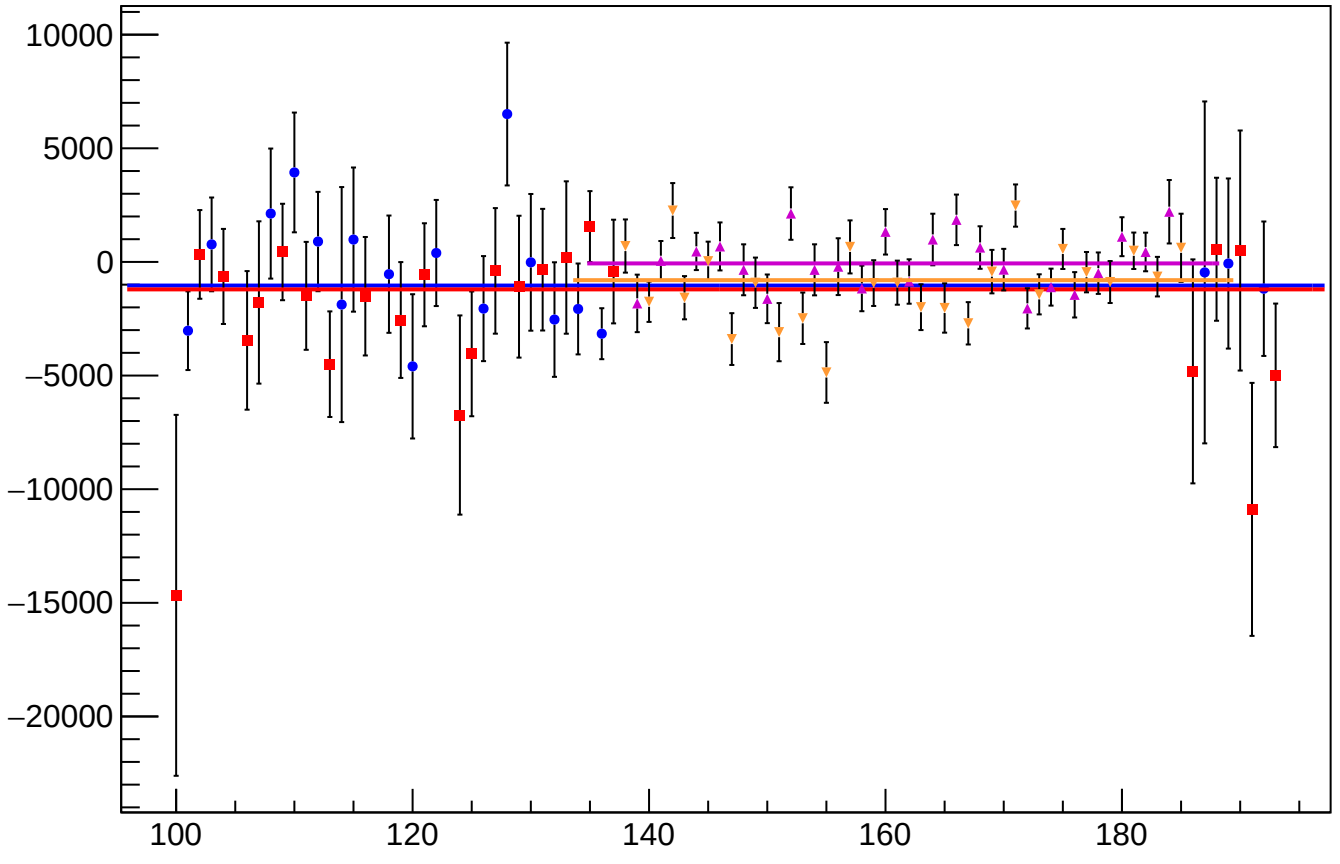
Right Out: 109.991+/-0.025 χ^2/NDF: 810313.7/23

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 95.102+/-0.013 χ^2/NDF: 1599496.8/43

All: 95.494+/-0.009 χ^2/NDF: 3391919.2/90

- sign 95.892+/-0.013 χ^2/NDF: 1790558.3/46



Right In: -1039.604+/-540.806 χ^2/NDF: 20.1/18

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

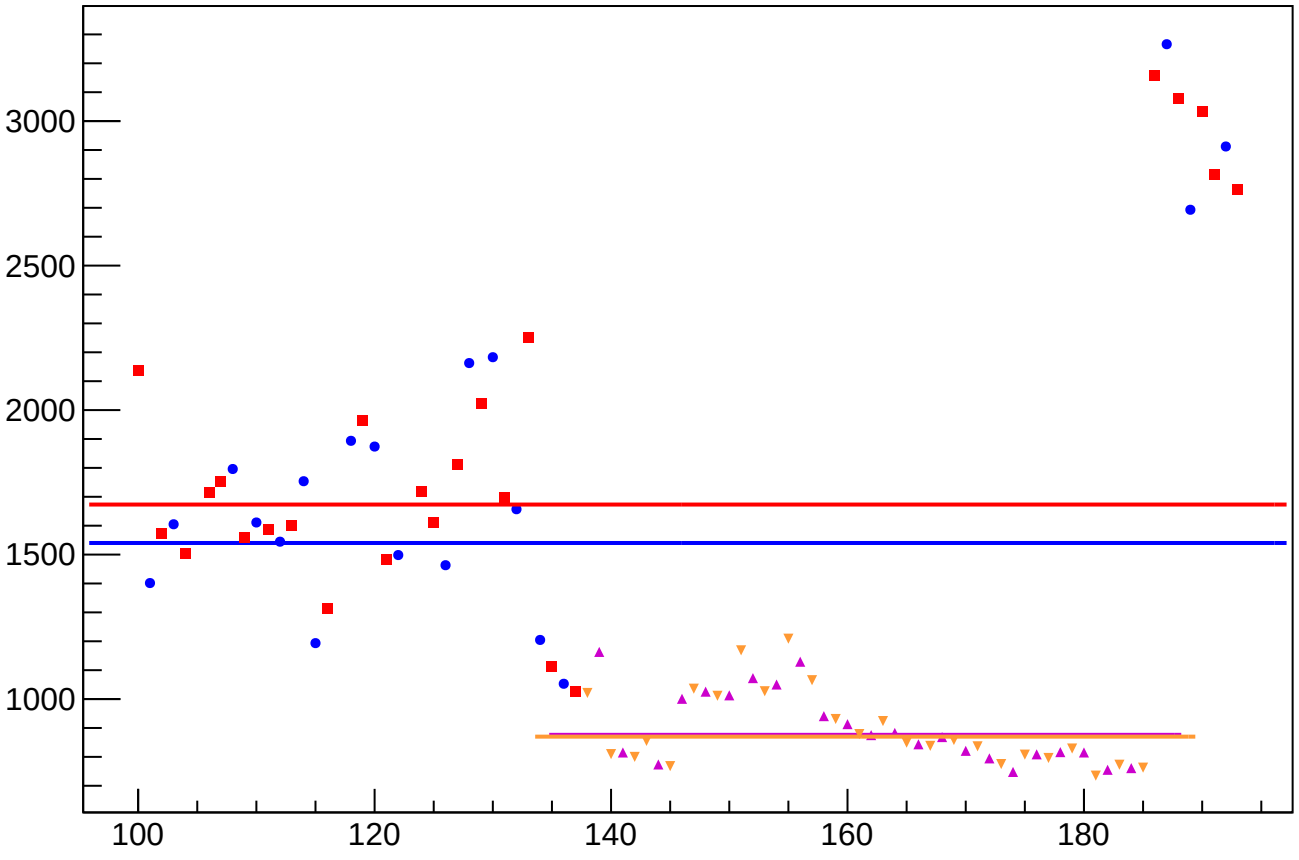
Right Out: -1208.464+/-547.657 χ^2/NDF: 18.8/23

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -831.016+/-187.460 χ^2/NDF: 78.6/43

All: -529.041+/-134.594 χ^2/NDF: 137.3/90

- sign -207.740+/-193.366 χ^2/NDF: 53.3/46



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: 1673.146+/-0.387 χ^2/NDF: 1659490.5/23

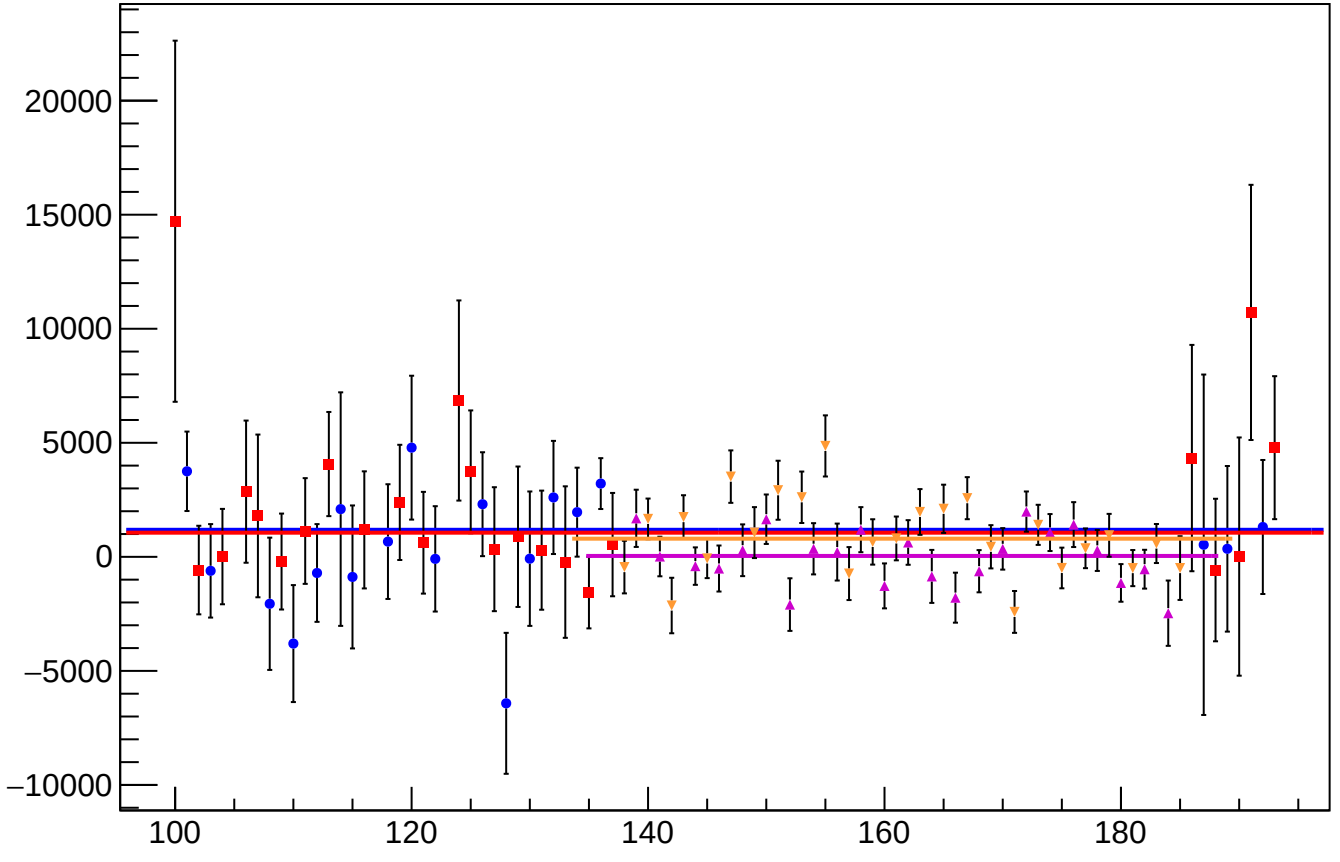
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 950.527+/-0.133 χ^2/NDF: 4804727.0/43

All: 962.682+/-0.095 χ^2/NDF: 10785290.3/90

- sign 975.614+/-0.137 χ^2/NDF: 5963210.1/46

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: 1059.306+/-543.356 χ^2/NDF: 17.8/23

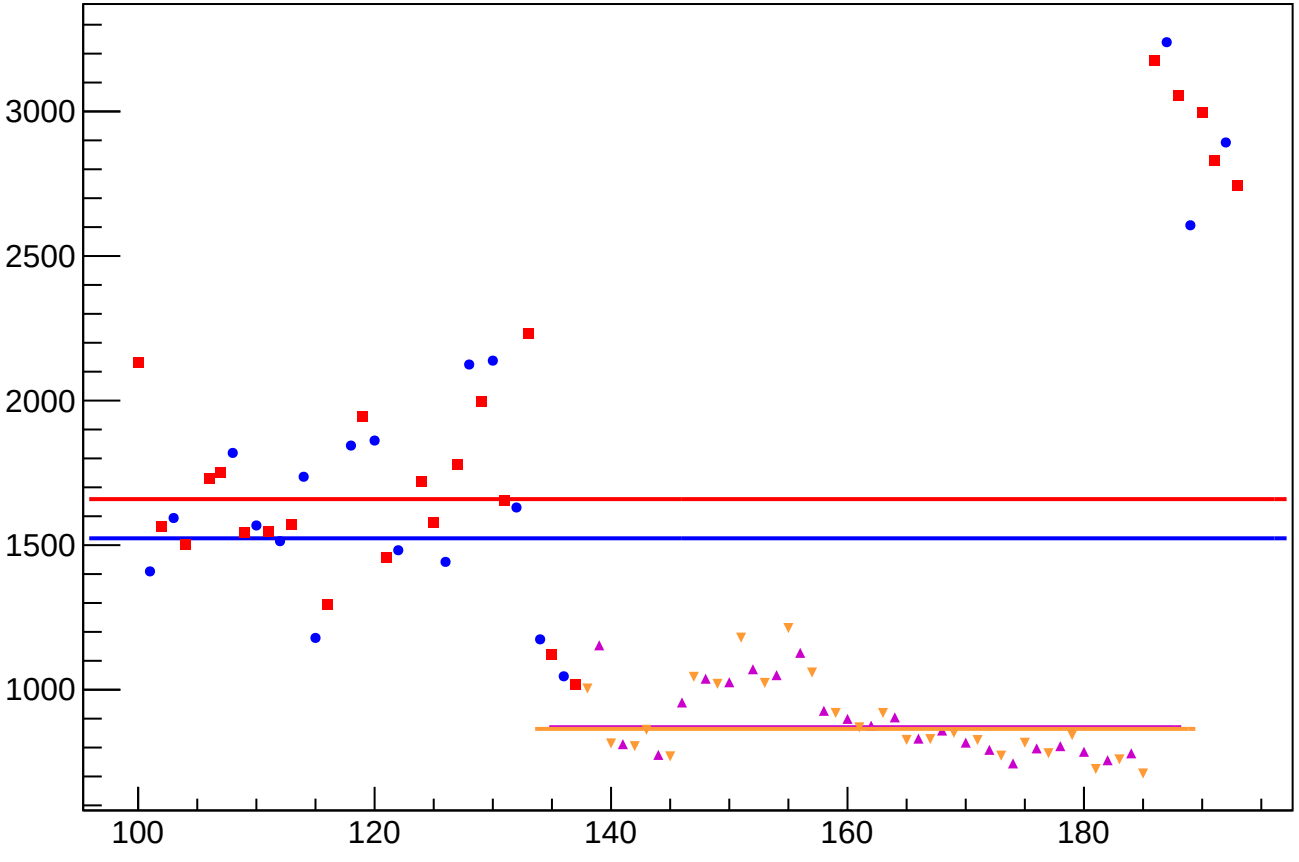
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 843.602+/-186.349 χ^2/NDF: 78.9/43

All: 515.644+/-133.752 χ^2/NDF: 135.8/90

- sign 167.169+/-192.089 χ^2/NDF: 50.6/46

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

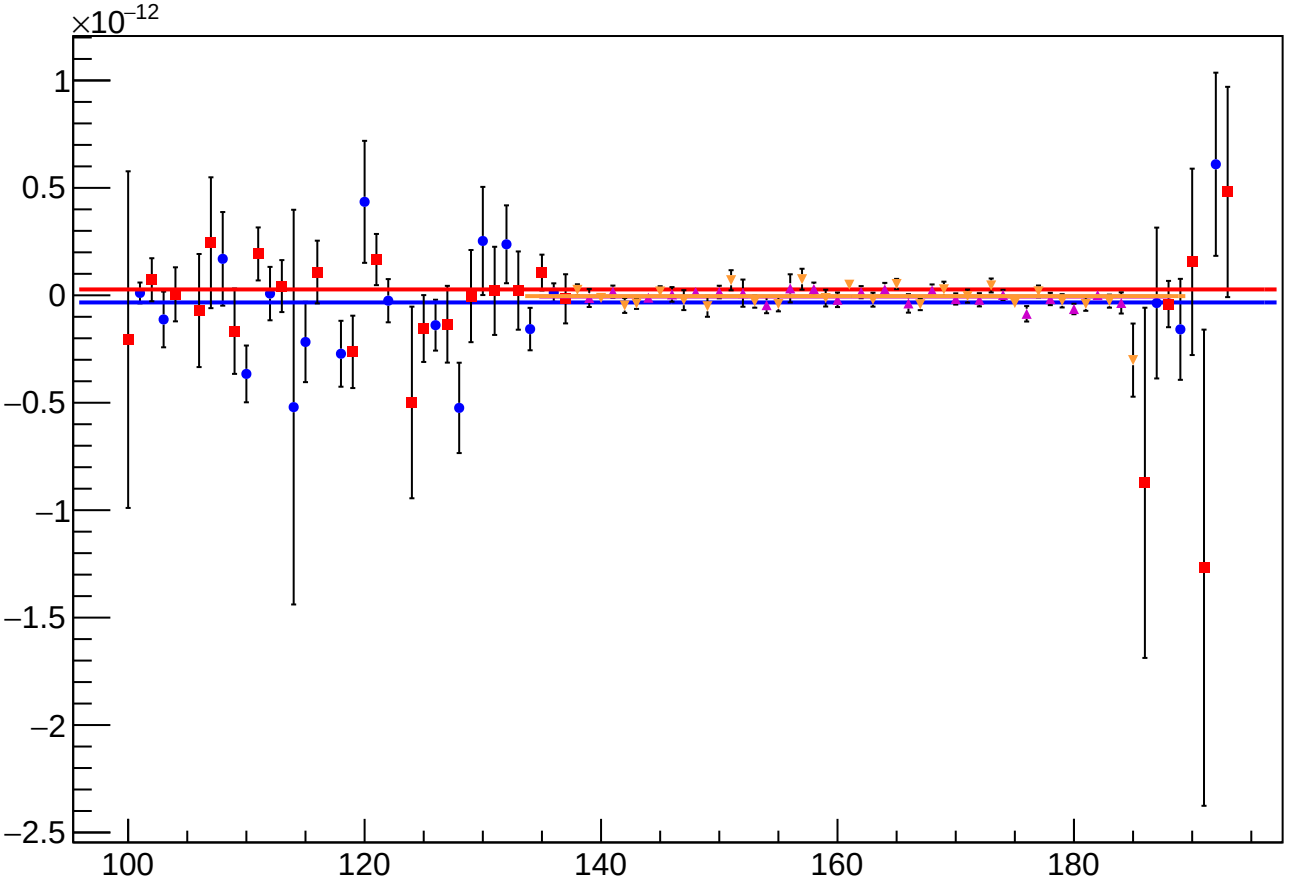
Right Out: 1659.246+/-0.384 χ^2/NDF: 1650815.5/23

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 944.619+/-0.132 χ^2/NDF: 4789914.9/43

All: 956.412+/-0.095 χ^2/NDF: 10750899.1/90

- sign 968.942+/-0.136 χ^2/NDF: 5944464.7/46



Right In: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

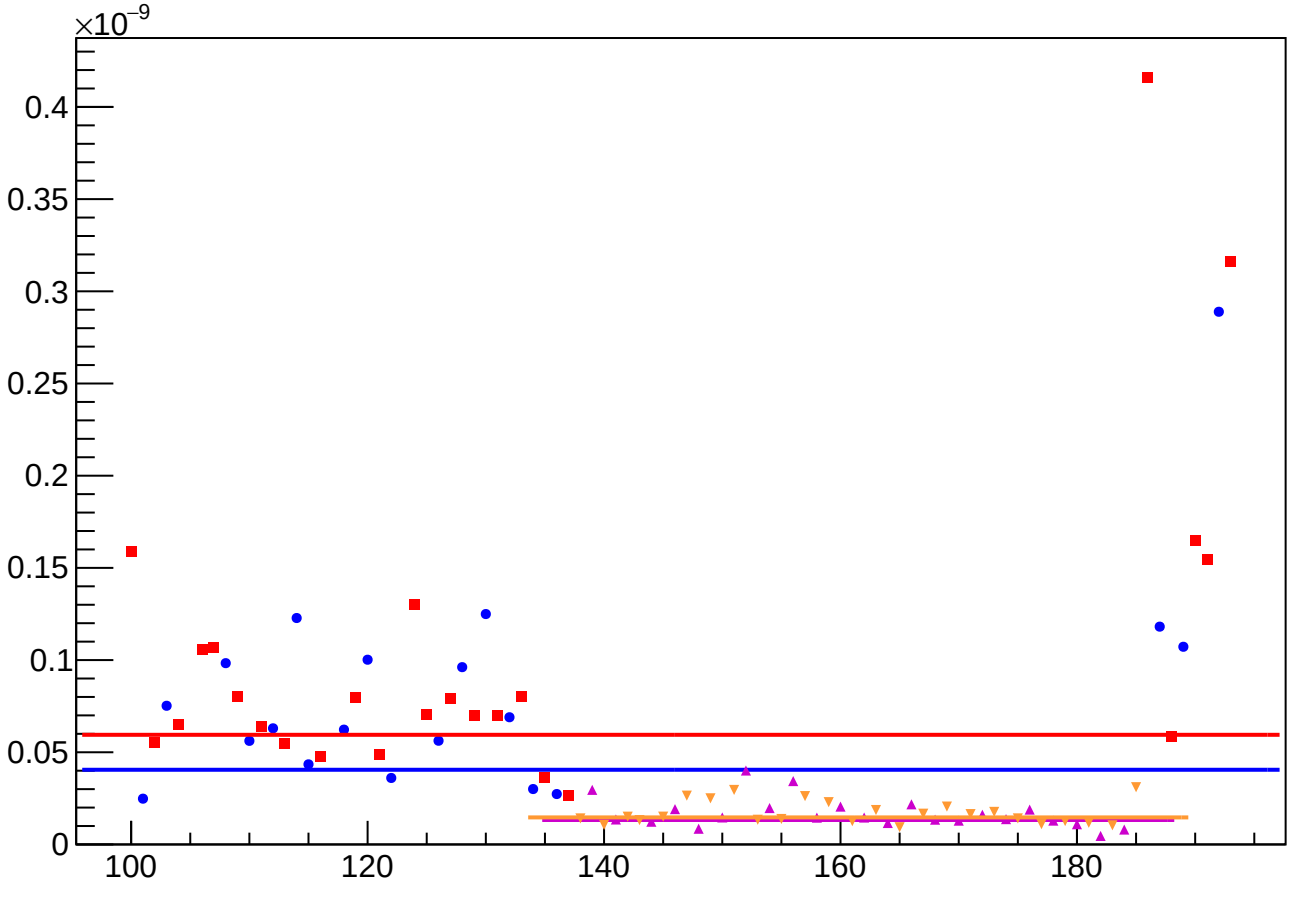
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/23

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: 108.6/90

- sign -0.000+/-0.000 χ^2/NDF: 38.6/46



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: 1738387.0/23

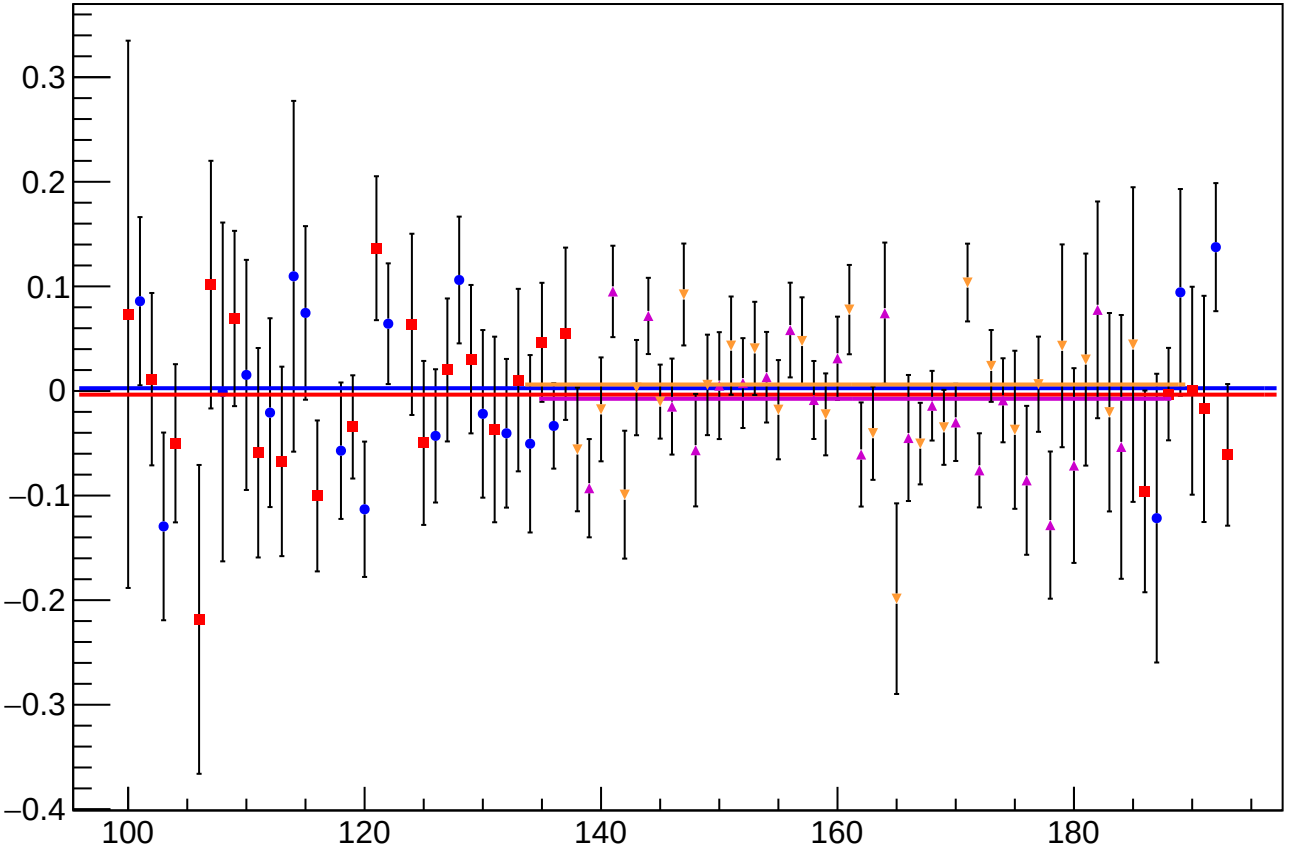
Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5458664.7/43

All: 0.000+/-0.000 χ^2/NDF: 13229122.9/90

- sign 0.000+/-0.000 χ^2/NDF: 7724086.6/46

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



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: -0.004+/-0.016 χ^2/NDF: 15.7/23

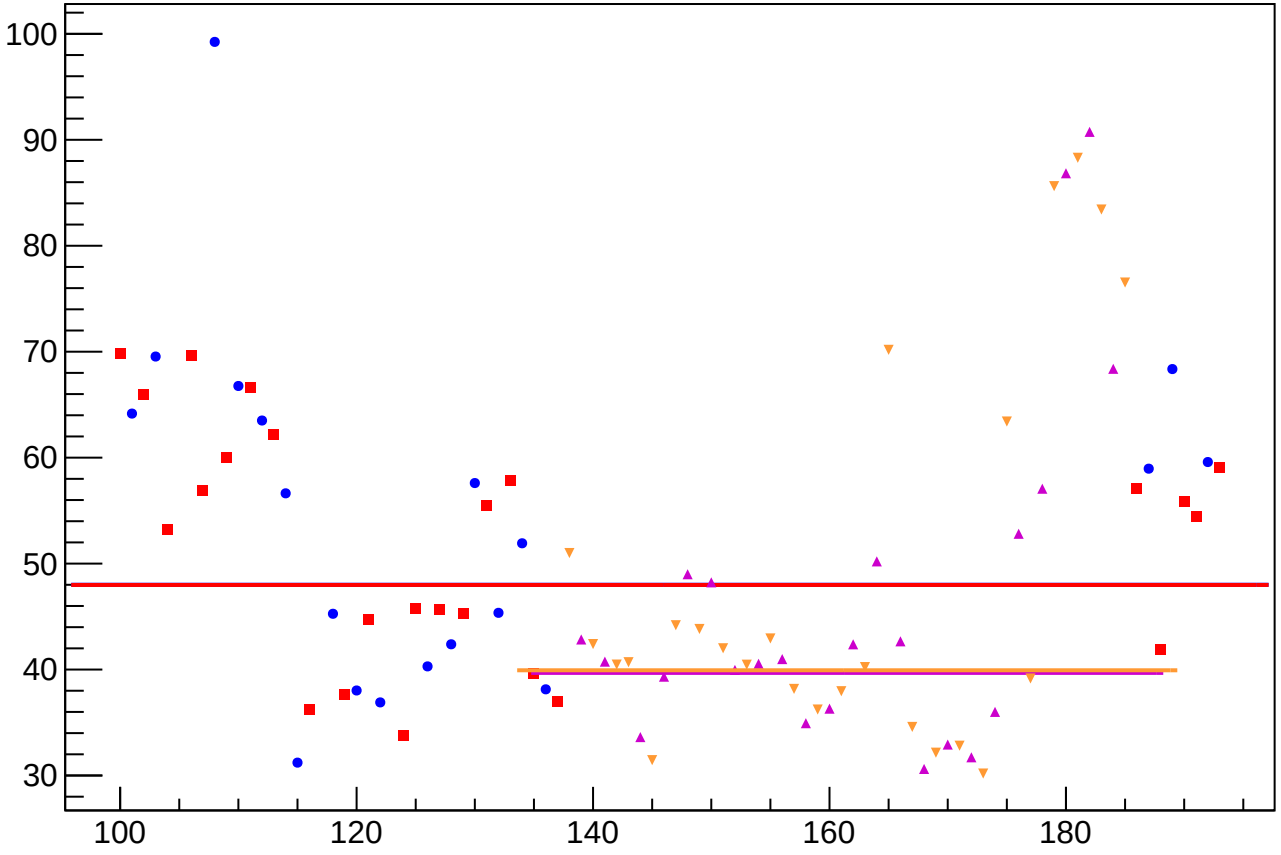
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.1/43

All: -0.001+/-0.006 χ^2/NDF: 99.3/90

- sign -0.006+/-0.008 χ^2/NDF: 46.2/46

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

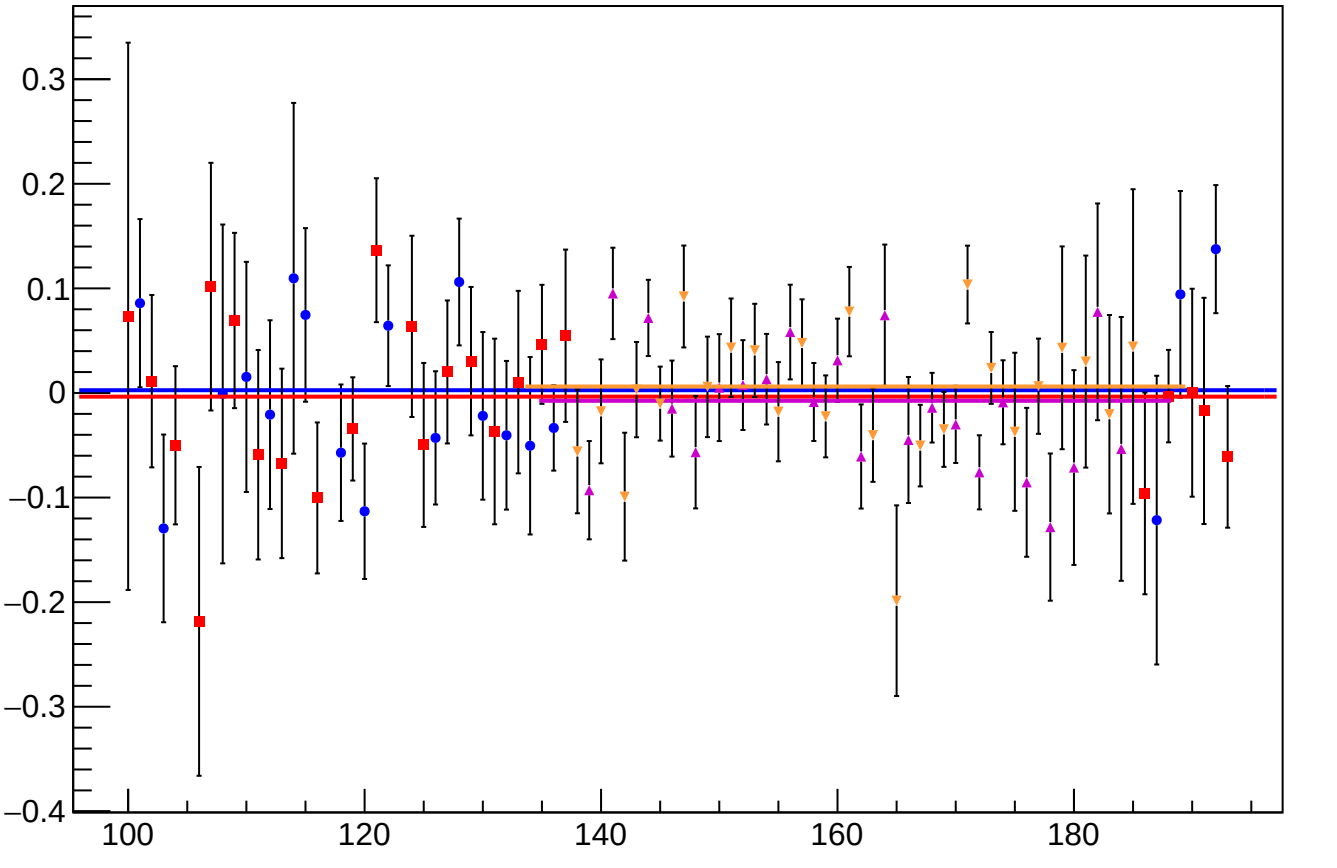
Right Out: 47.985+/-0.011 χ^2/NDF: 784784.4/23

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.895+/-0.006 χ^2/NDF: 3915528.2/43

All: 41.954+/-0.004 χ^2/NDF: 7020707.8/90

- sign 42.013+/-0.006 χ^2/NDF: 3104976.7/46



Right In: 0.003+/-0.017 χ^2/NDF: 21.2/18

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

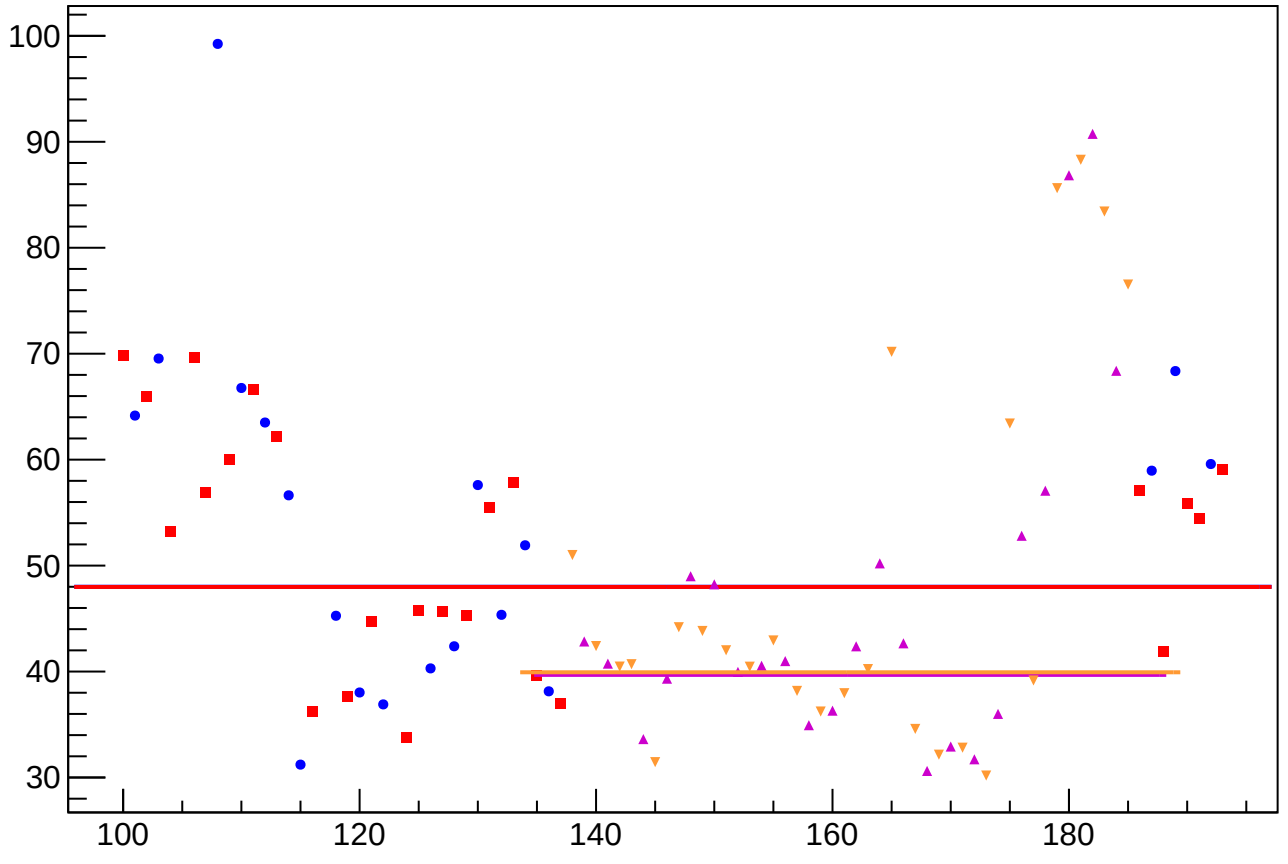
Right Out: -0.004+/-0.016 χ^2/NDF: 15.7/23

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.1/43

All: -0.001+/-0.006 χ^2/NDF: 99.3/90

- sign -0.006+/-0.008 χ^2/NDF: 46.2/46



Right In: 48.003+/-0.012 χ^2/NDF: 1093810.0/18

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

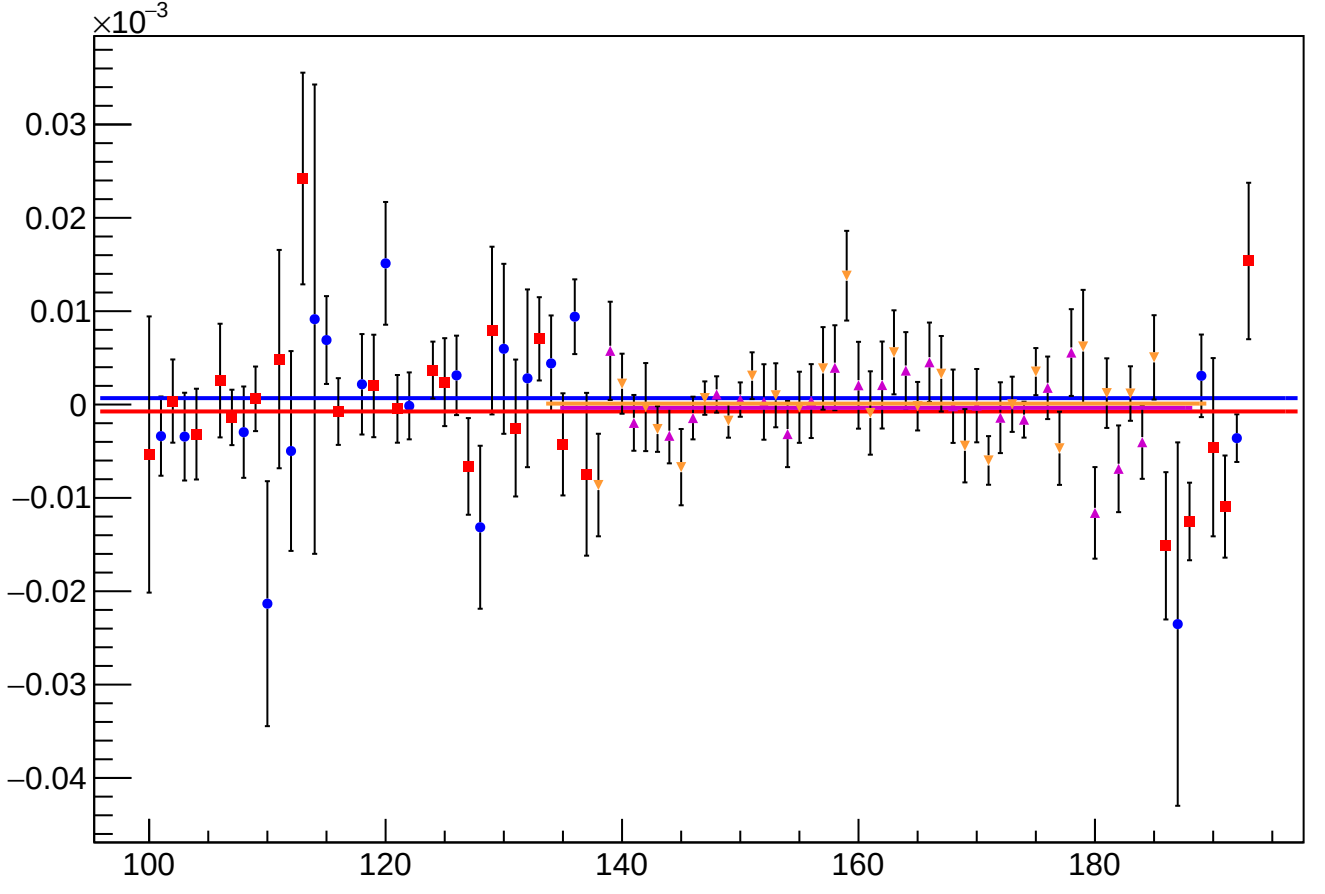
Right Out: 47.985+/-0.011 χ^2/NDF: 784784.4/23

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.895+/-0.006 χ^2/NDF: 3915528.2/43

All: 41.954+/-0.004 χ^2/NDF: 7020707.8/90

- sign 42.013+/-0.006 χ^2/NDF: 3104976.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 25.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

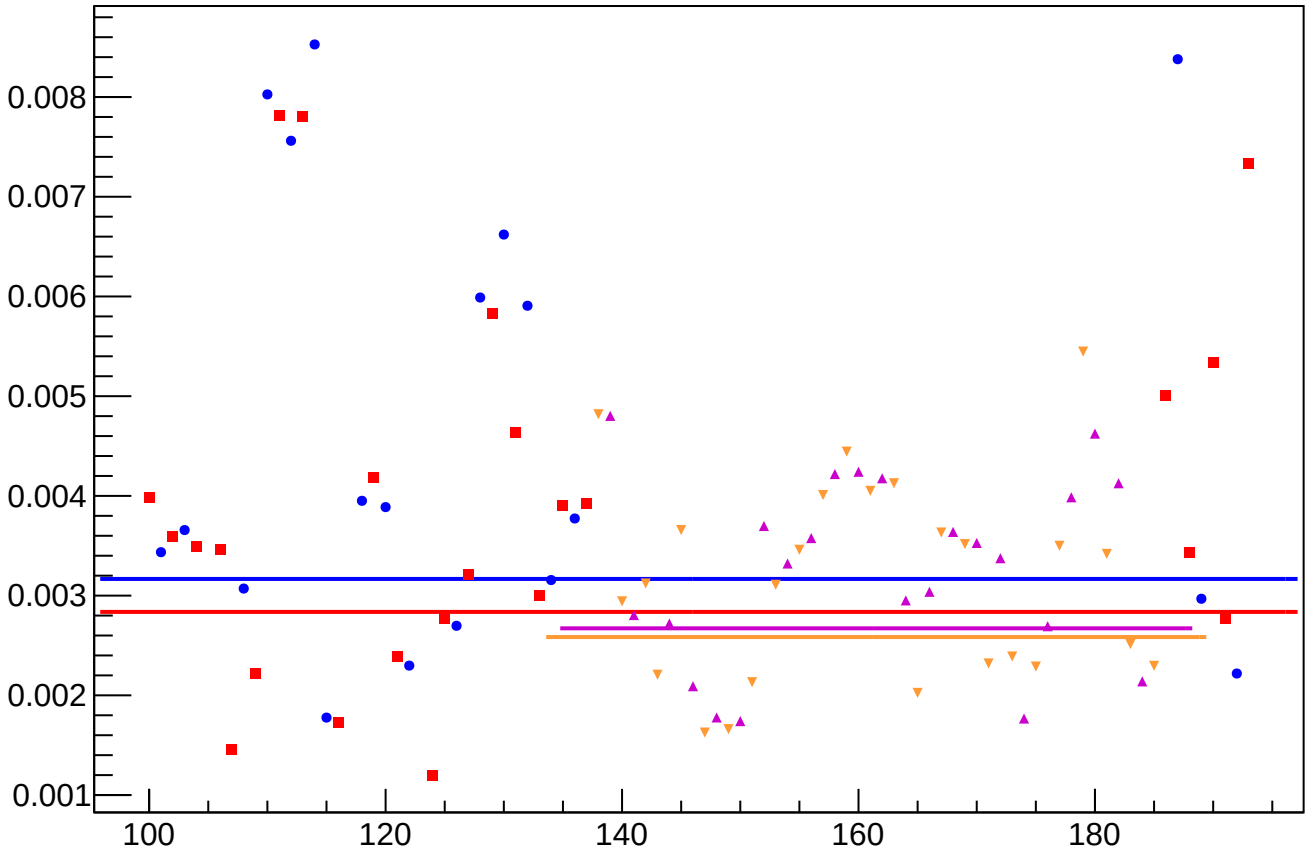
Right Out: -0.000+/-0.000 χ^2/NDF: 33.8/23

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: 112.2/90

- sign -0.000+/-0.000 χ^2/NDF: 52.6/46



Right In: 0.003+/-0.000 χ^2/NDF: 2247442.1/18

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

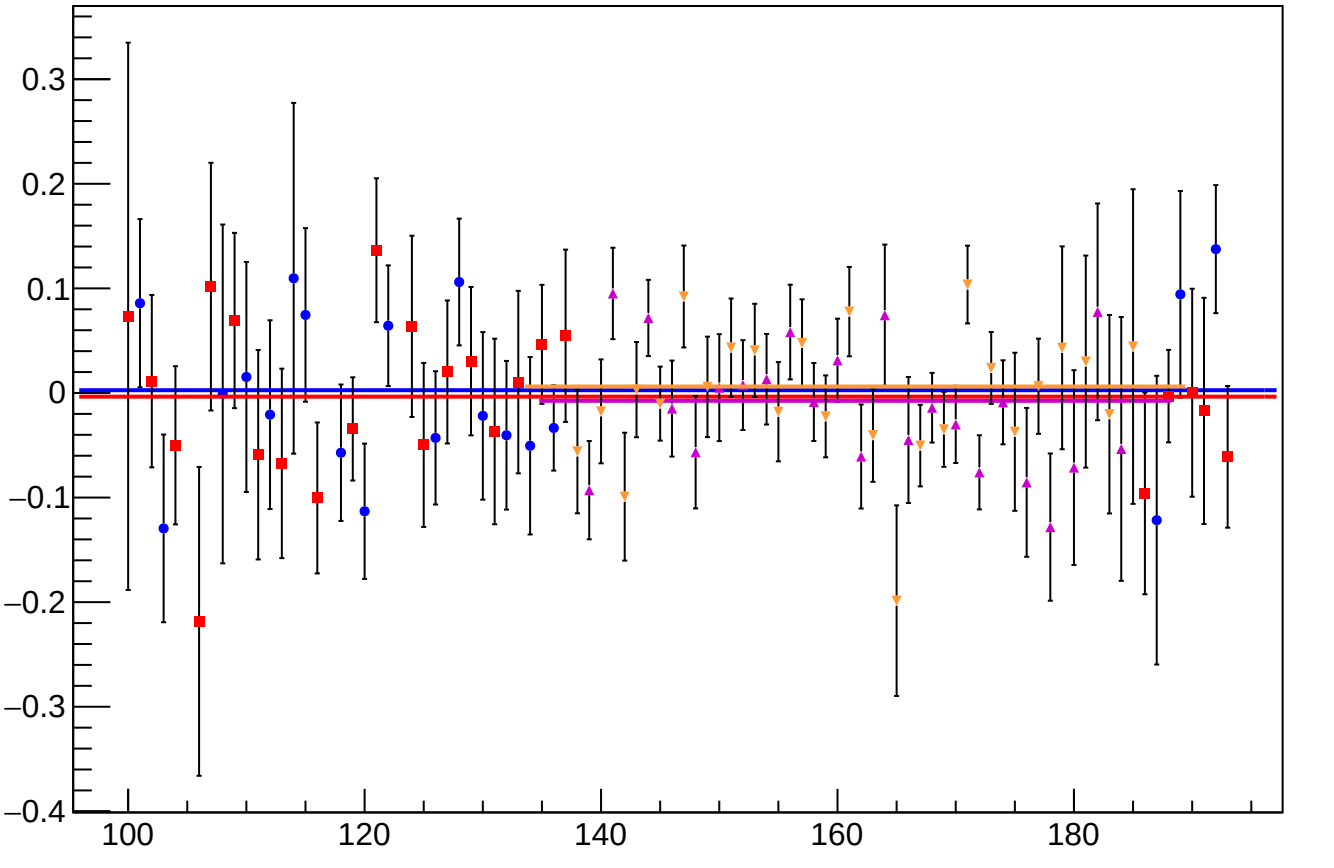
Right Out: 0.003+/-0.000 χ^2/NDF: 3662963.3/23

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: 14054494.5/90

- sign 0.003+/-0.000 χ^2/NDF: 7525374.5/46



Right In: 0.003+/-0.017 χ^2/NDF: 21.2/18

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

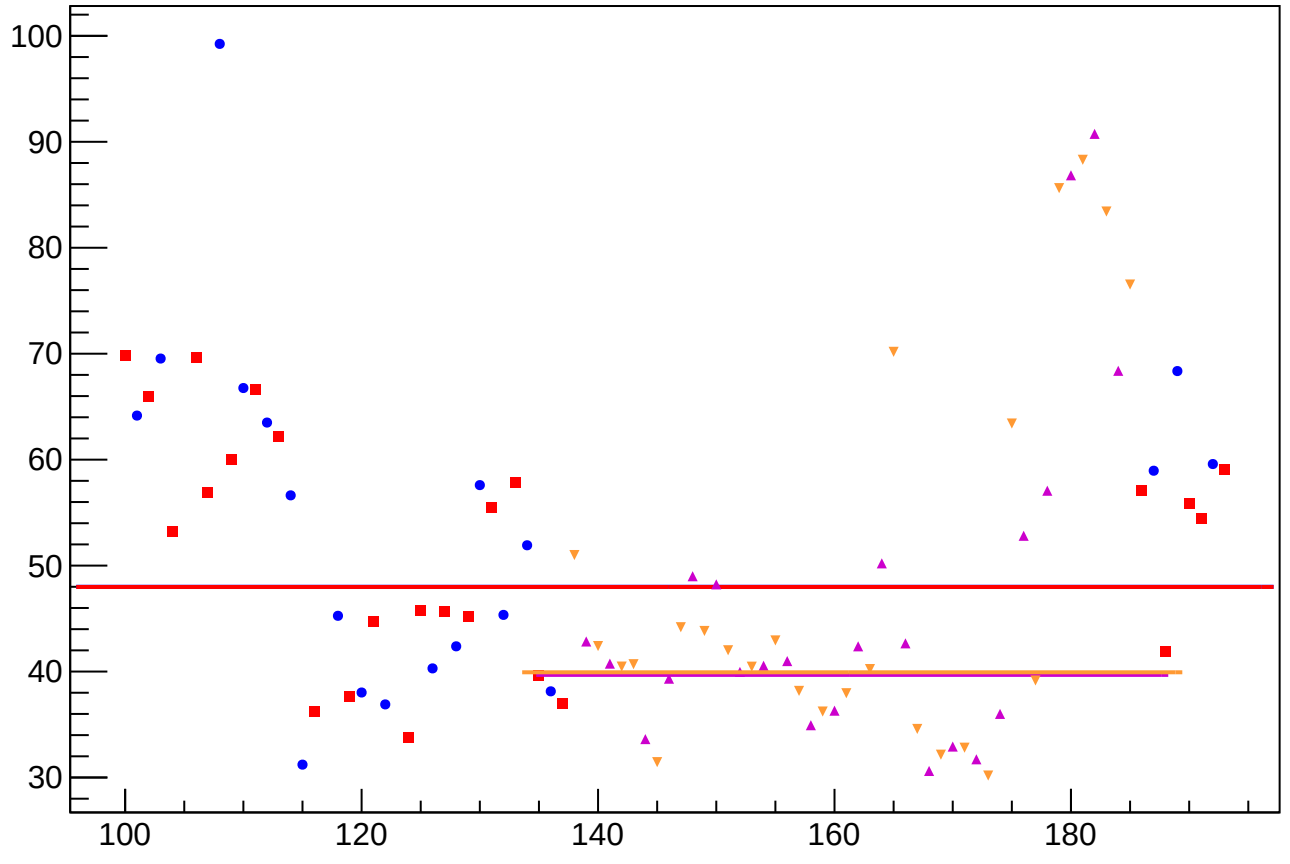
Right Out: -0.004+/-0.016 χ^2/NDF: 15.7/23

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.1/43

All: -0.001+/-0.006 χ^2/NDF: 99.3/90

- sign -0.006+/-0.008 χ^2/NDF: 46.2/46



Right In: 48.002+/-0.012 χ^2/NDF: 1093802.7/18

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

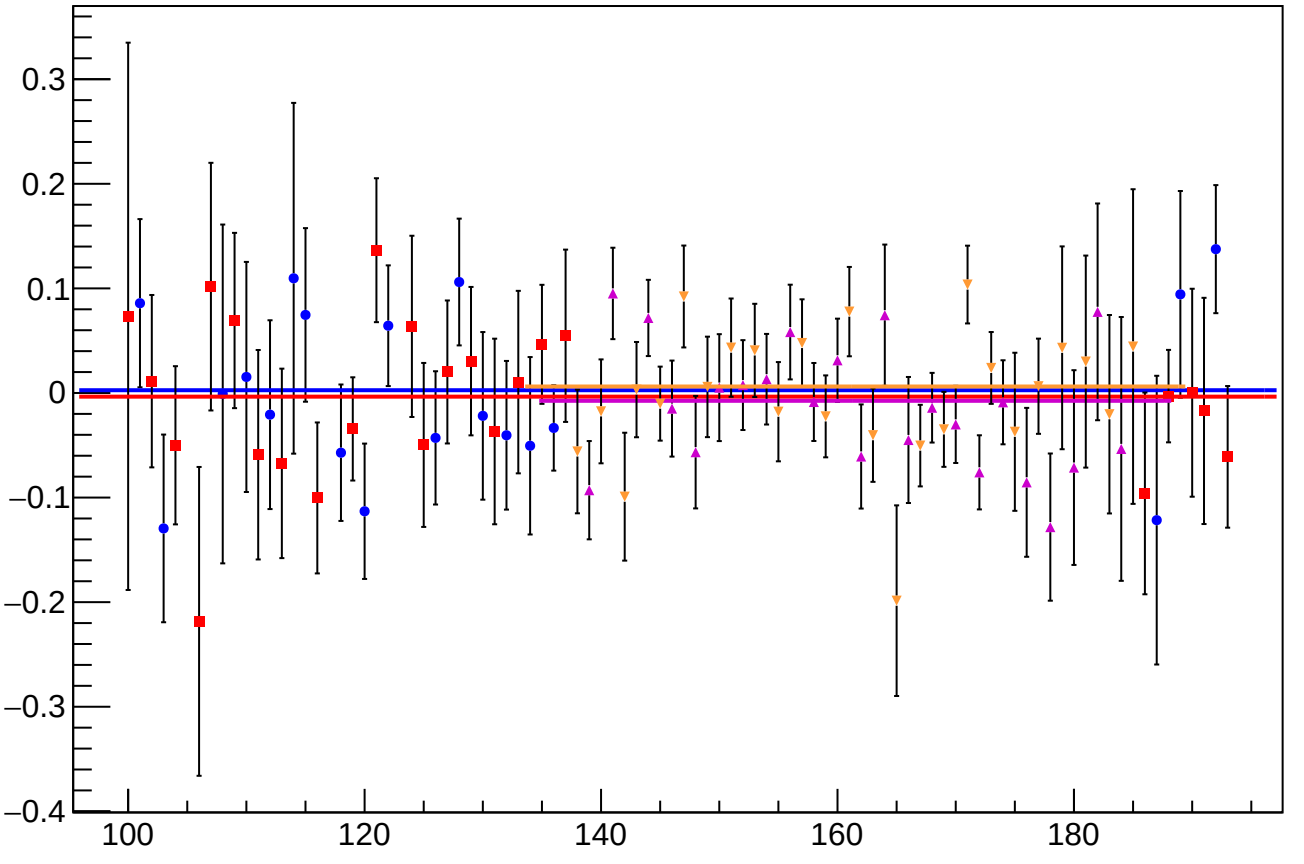
Right Out: 47.984+/-0.011 χ^2/NDF: 784755.8/23

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.895+/-0.006 χ^2/NDF: 3915436.9/43

All: 41.954+/-0.004 χ^2/NDF: 7020565.2/90

- sign 42.013+/-0.006 χ^2/NDF: 3104925.8/46



Right In: 0.003+/-0.017 χ^2/NDF: 21.2/18

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

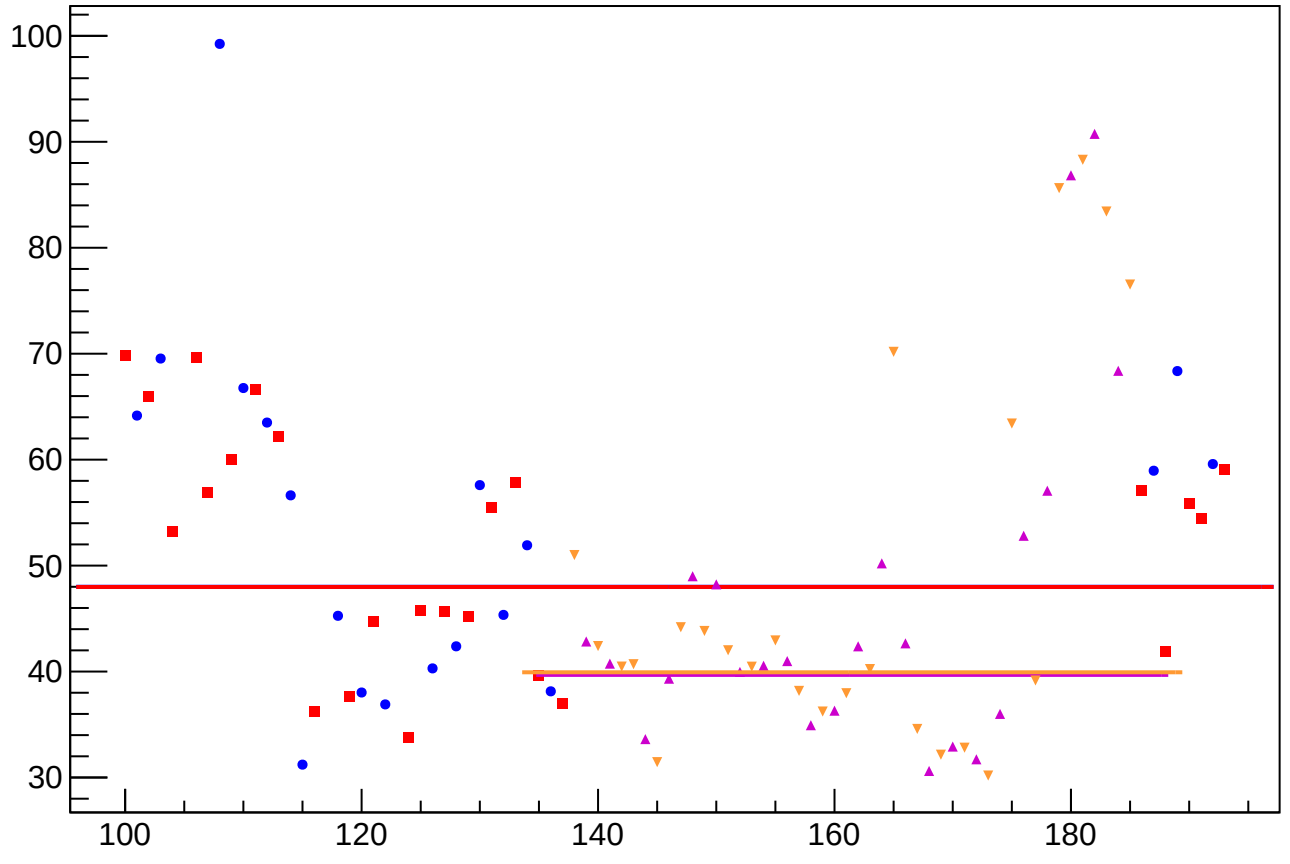
Right Out: -0.004+/-0.016 χ^2/NDF: 15.7/23

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.1/43

All: -0.001+/-0.006 χ^2/NDF: 99.3/90

- sign -0.006+/-0.008 χ^2/NDF: 46.2/46



Right In: 48.002+/-0.012 χ^2/NDF: 1093802.7/18

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

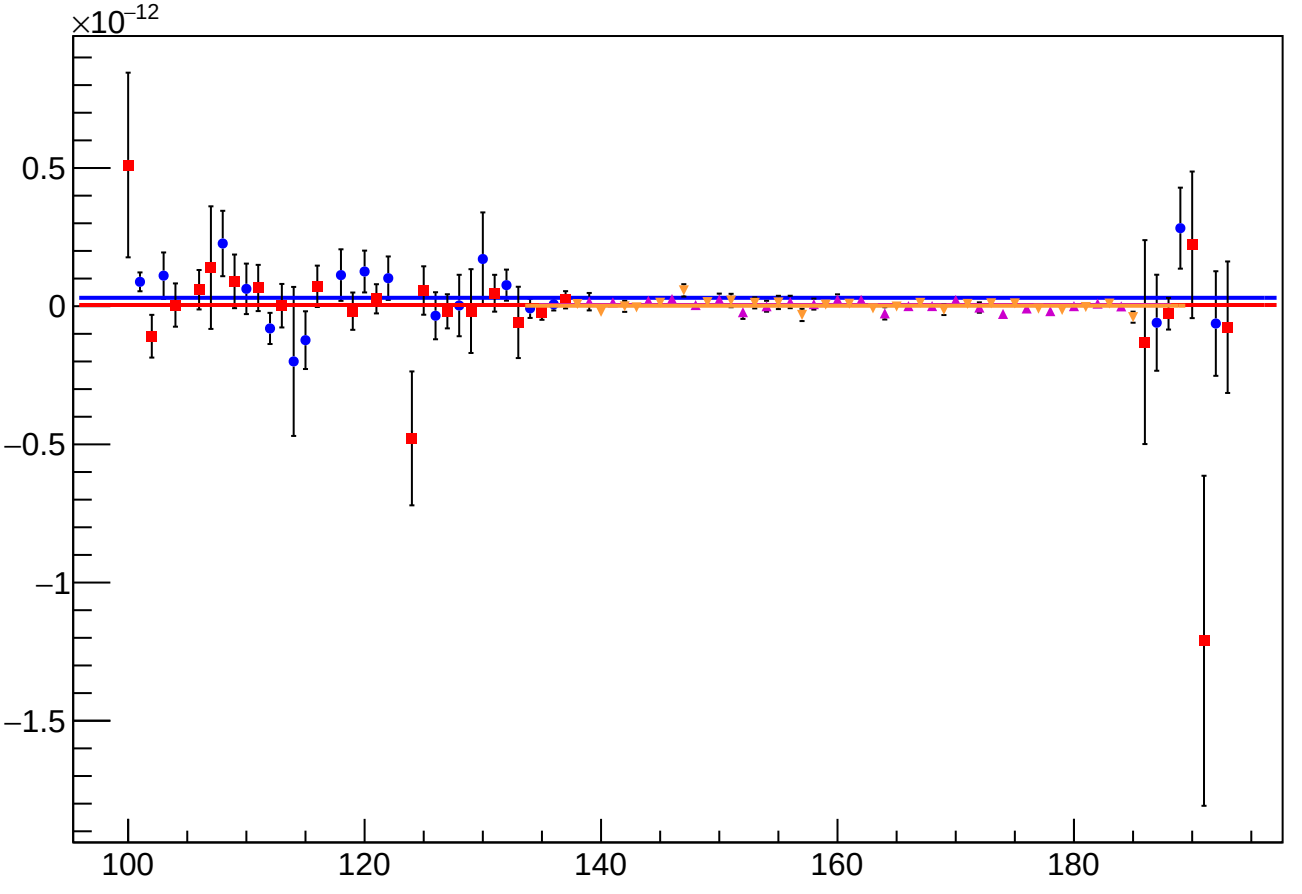
Right Out: 47.984+/-0.011 χ^2/NDF: 784755.8/23

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.895+/-0.006 χ^2/NDF: 3915436.9/43

All: 41.954+/-0.004 χ^2/NDF: 7020565.2/90

- sign 42.013+/-0.006 χ^2/NDF: 3104925.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 24.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

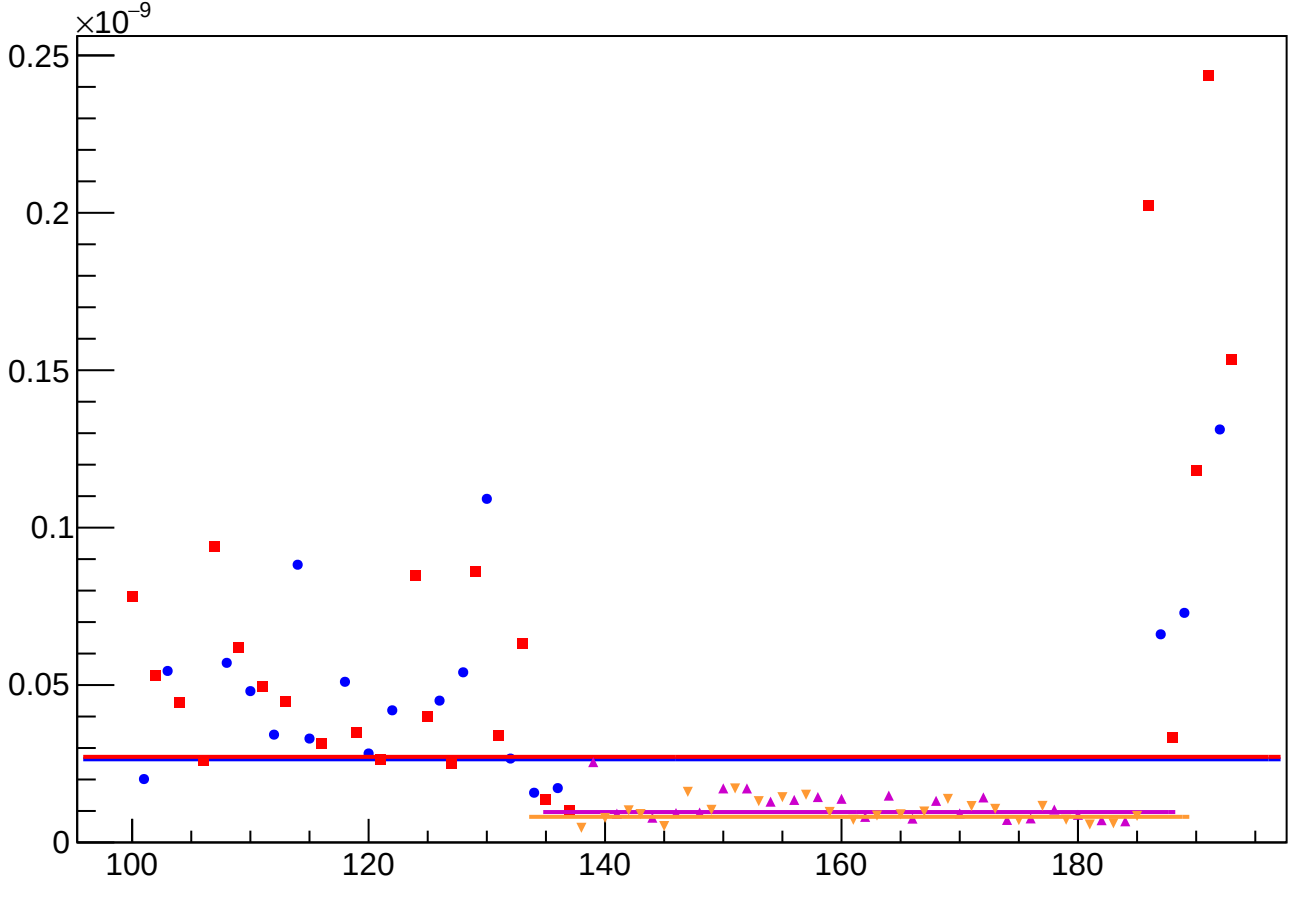
Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/23

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: 104.0/90

- sign 0.000+/-0.000 χ^2/NDF: 47.2/46



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: 4350066.0/23

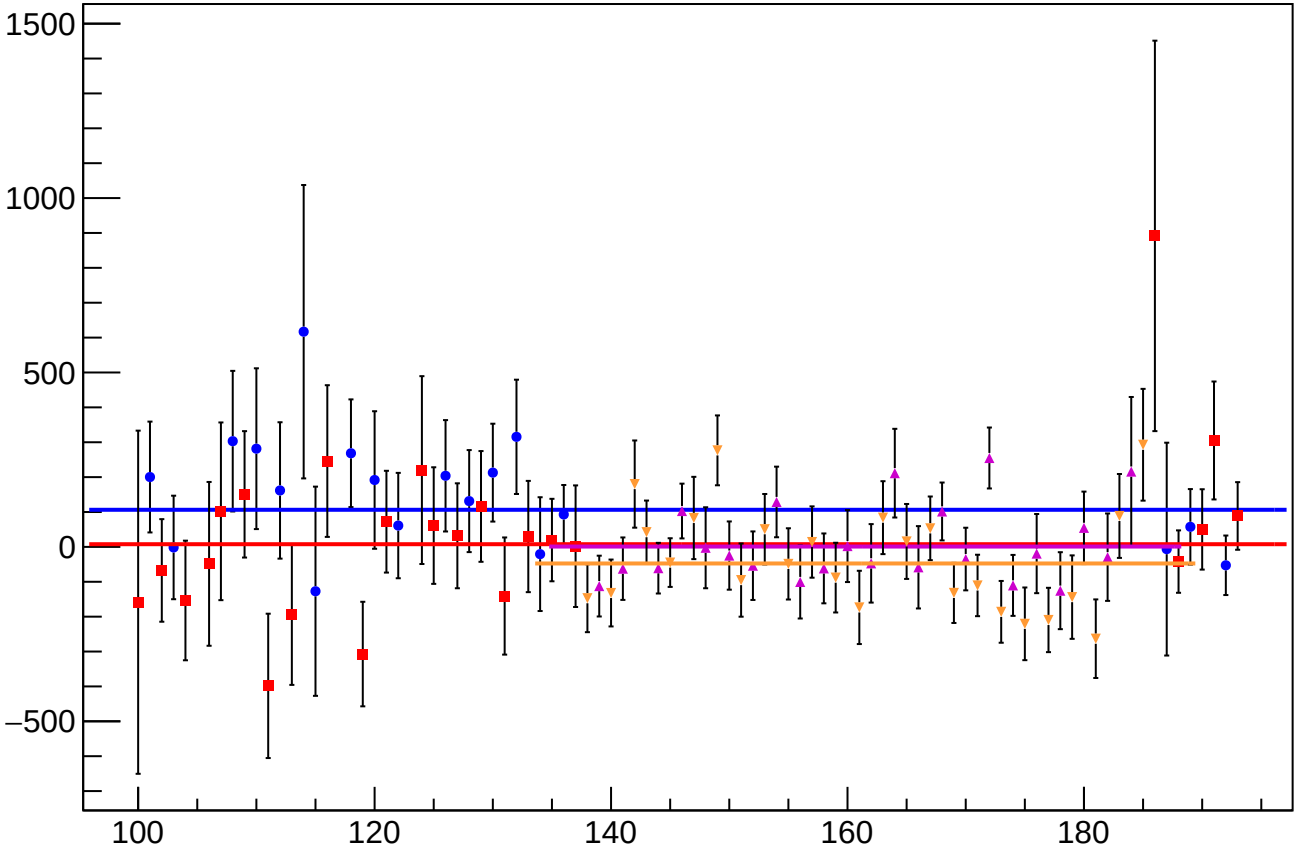
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8998717.4/43

All: 0.000+/-0.000 χ^2/NDF: 18872691.9/90

- sign 0.000+/-0.000 χ^2/NDF: 9508435.2/46

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: 7.716+/-32.160 χ^2/NDF: 21.5/23

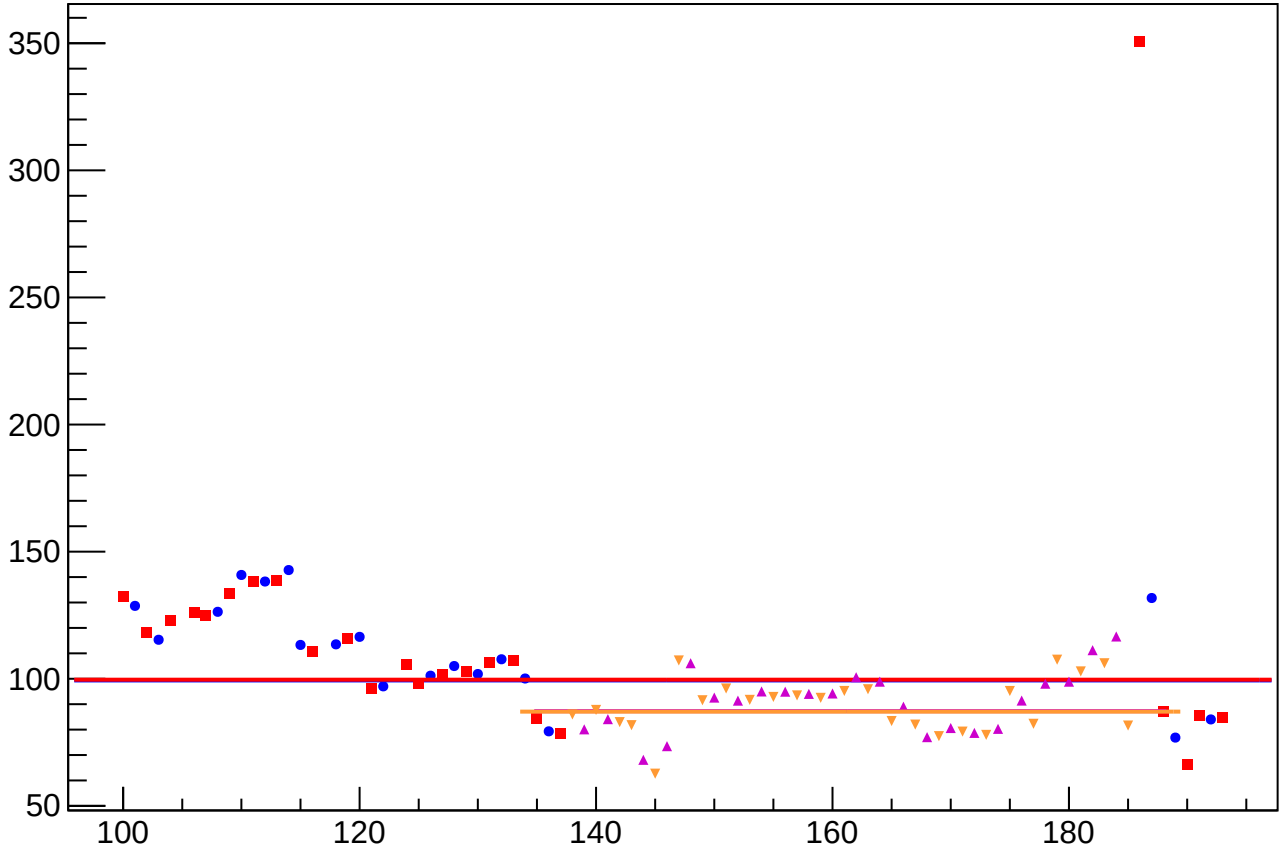
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -7.894+/-17.219 χ^2/NDF: 72.2/43

All: -2.515+/-12.221 χ^2/NDF: 119.5/90

- sign 2.945+/-17.349 χ^2/NDF: 47.0/46

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

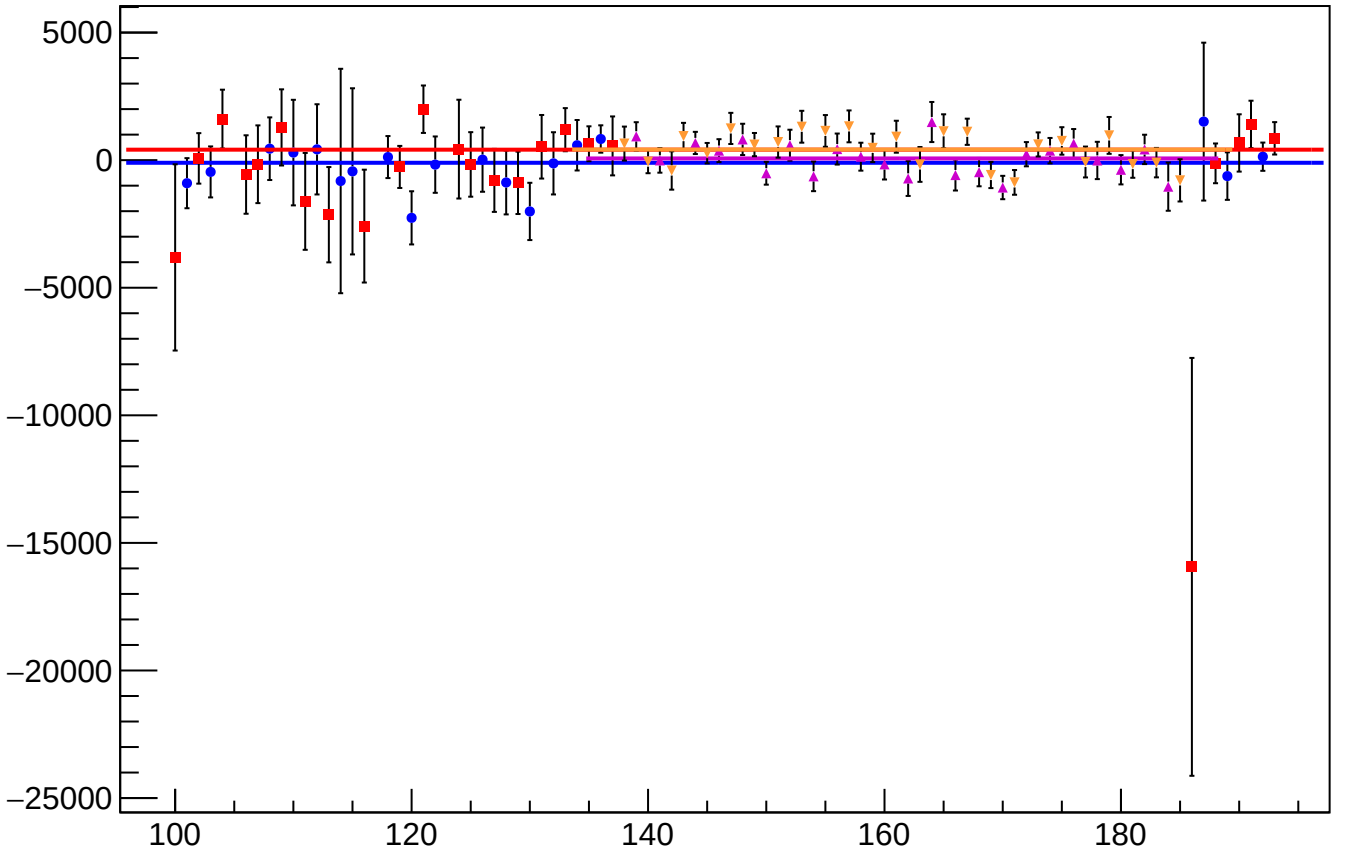
Right Out: 99.634+/-0.023 χ^2/NDF: 1112411.6/23

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.233+/-0.012 χ^2/NDF: 1439780.7/43

All: 90.543+/-0.009 χ^2/NDF: 3359350.1/90

- sign 90.859+/-0.012 χ^2/NDF: 1918259.1/46



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: 410.344+/-224.736 χ^2/NDF: 21.3/23

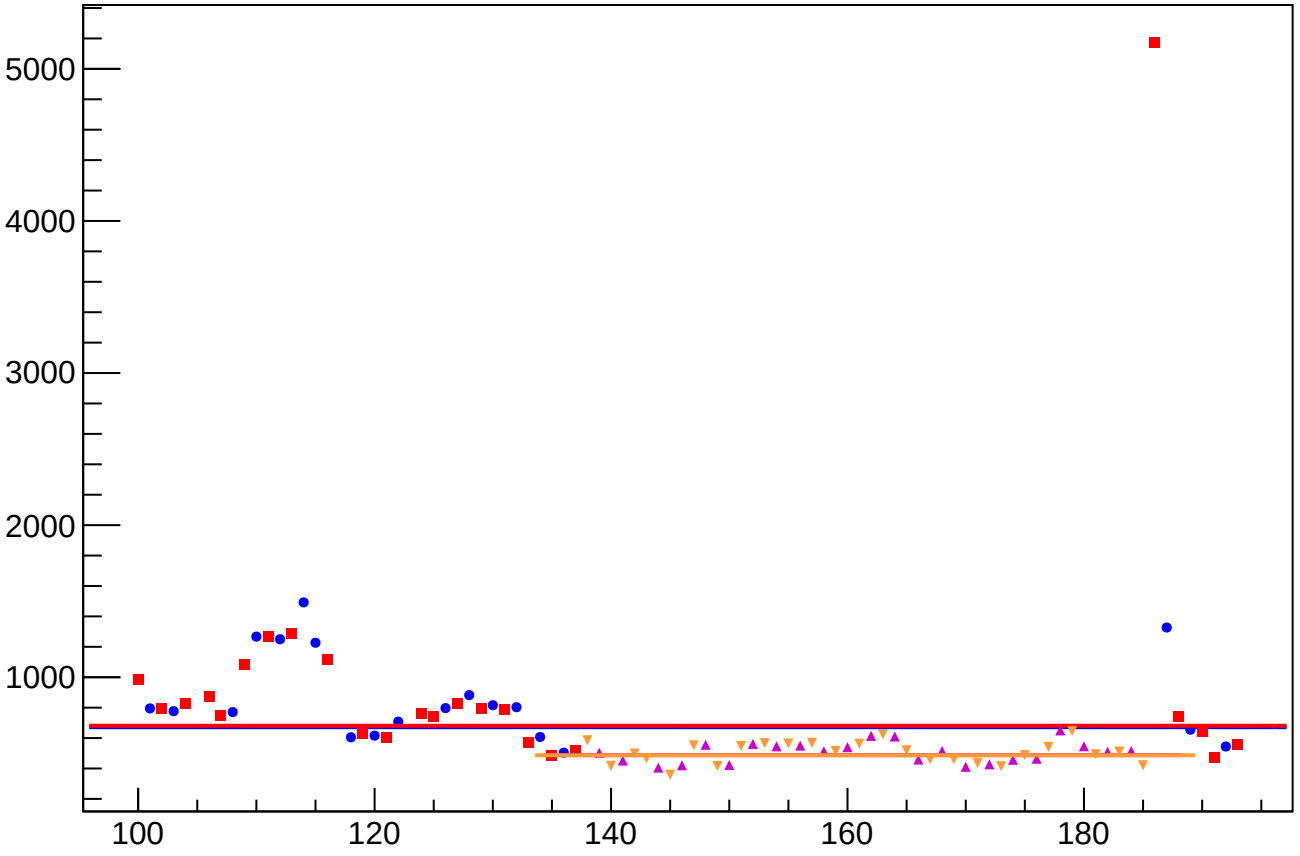
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 318.588+/-101.209 χ^2/NDF: 49.5/43

All: 229.787+/-72.077 χ^2/NDF: 101.7/90

- sign 138.403+/-102.670 χ^2/NDF: 50.6/46

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: 680.939+/-0.159 χ^2/NDF: 1858397.7/23

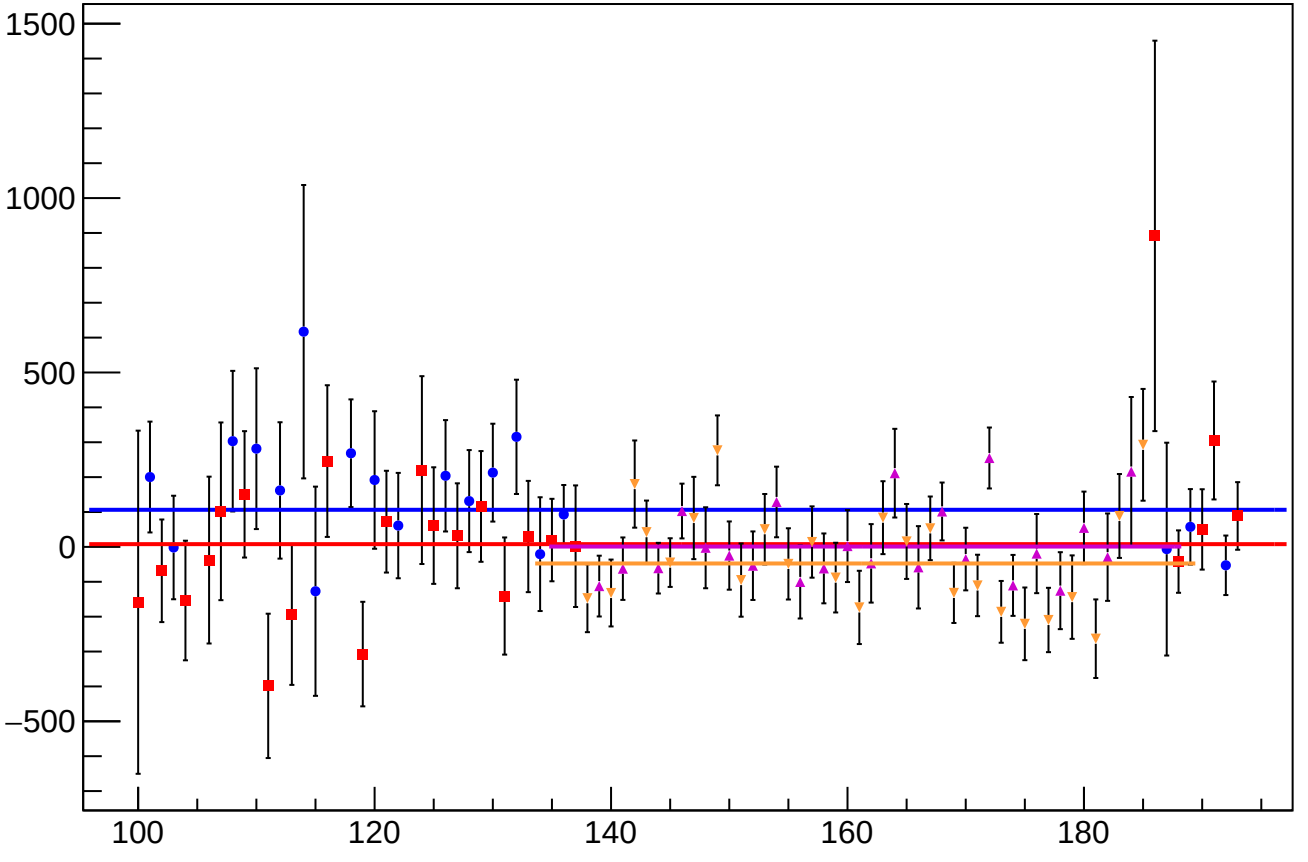
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 521.838+/-0.072 χ^2/NDF: 2965985.0/43

All: 524.980+/-0.051 χ^2/NDF: 6629842.6/90

- sign 528.213+/-0.073 χ^2/NDF: 3659946.5/46

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: 7.901+/-32.172 χ^2/NDF: 21.5/23

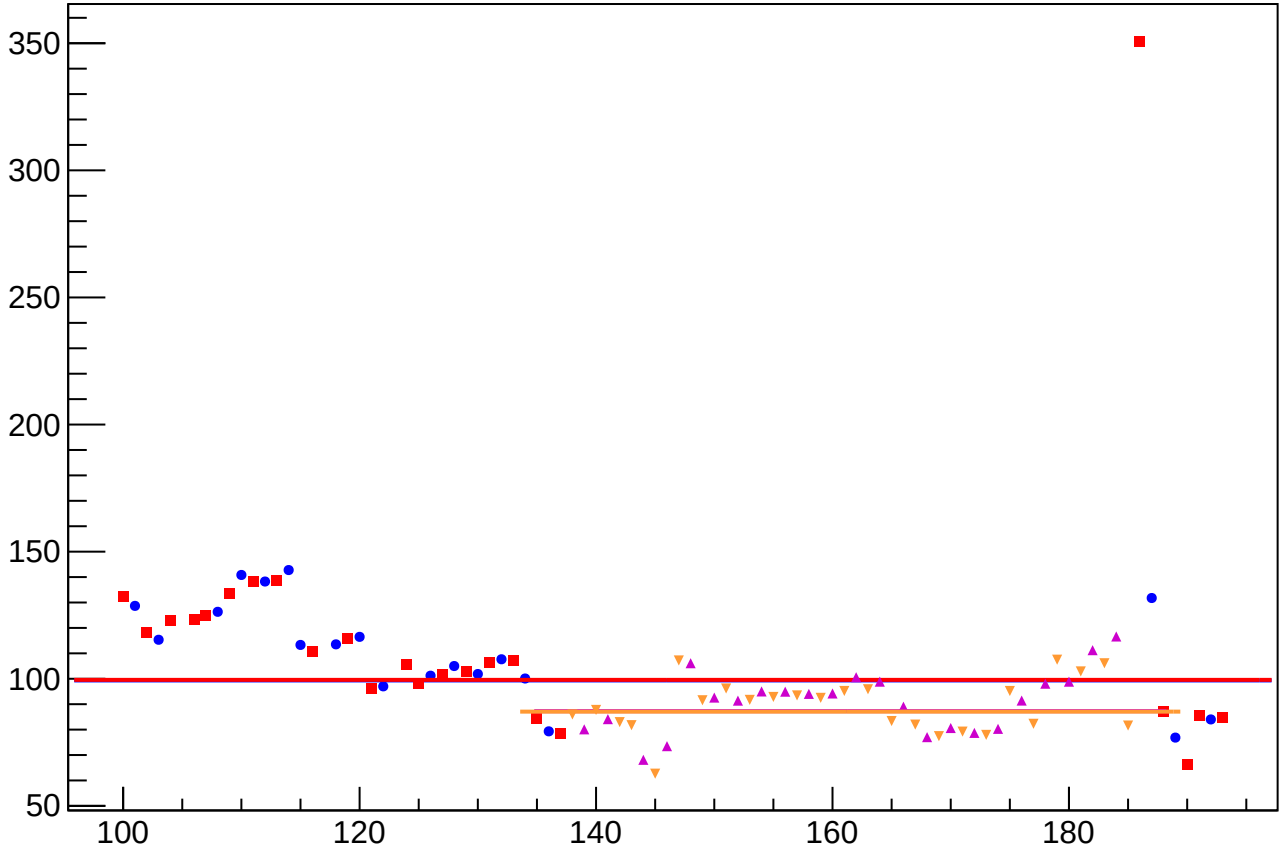
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.903+/-17.219 χ^2/NDF: 72.2/43

All: -2.494+/-12.222 χ^2/NDF: 119.5/90

- sign 2.999+/-17.350 χ^2/NDF: 47.0/46

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: 99.566+/-0.023 χ^2/NDF: 1106639.4/23

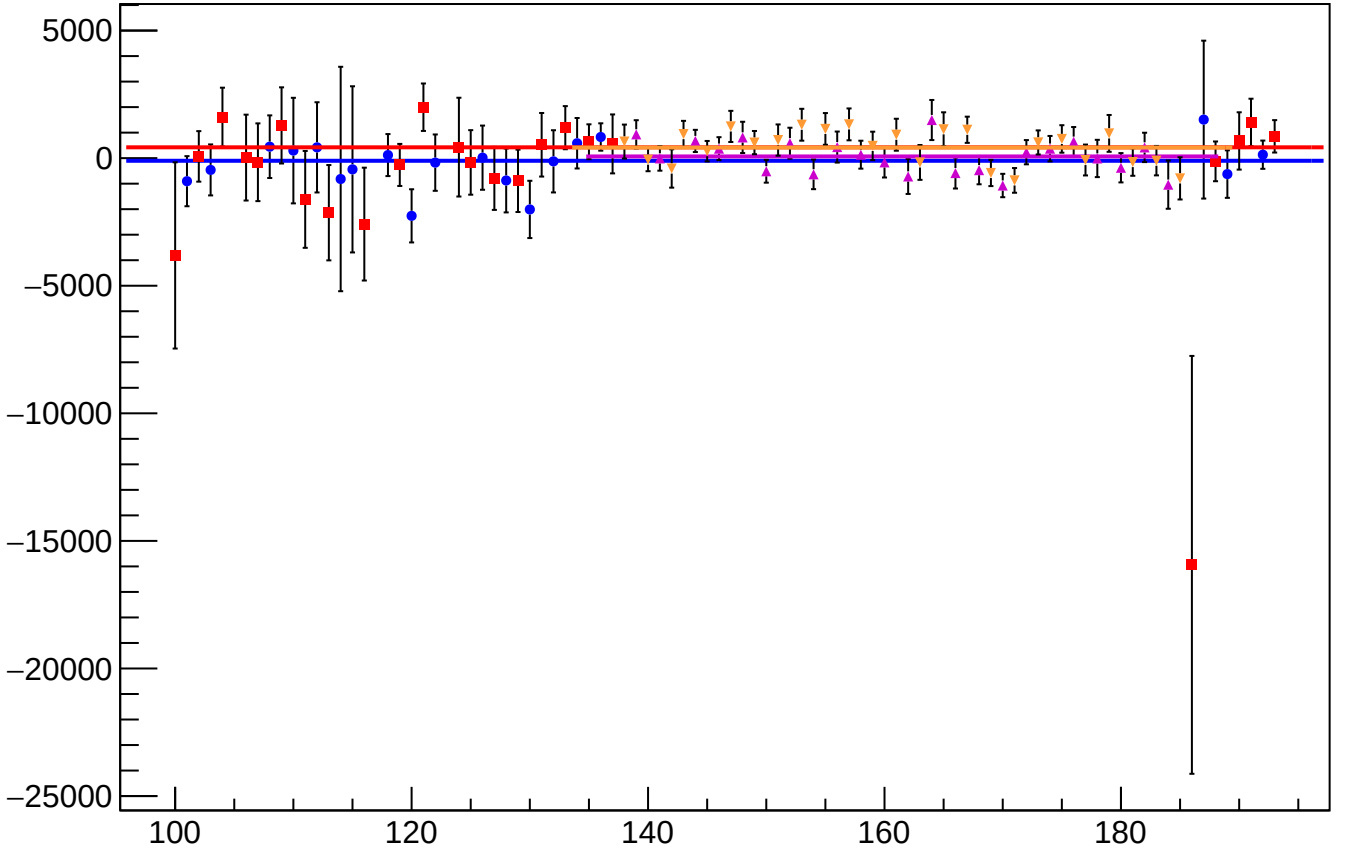
Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.233+/-0.012 χ^2/NDF: 1439781.0/43

All: 90.533+/-0.009 χ^2/NDF: 3351081.3/90

- sign 90.837+/-0.012 χ^2/NDF: 1910078.9/46

asym_sam_26_48_dd_cor_correction_mean vs Slug



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: 424.258+/-225.141 χ^2/NDF: 20.9/23

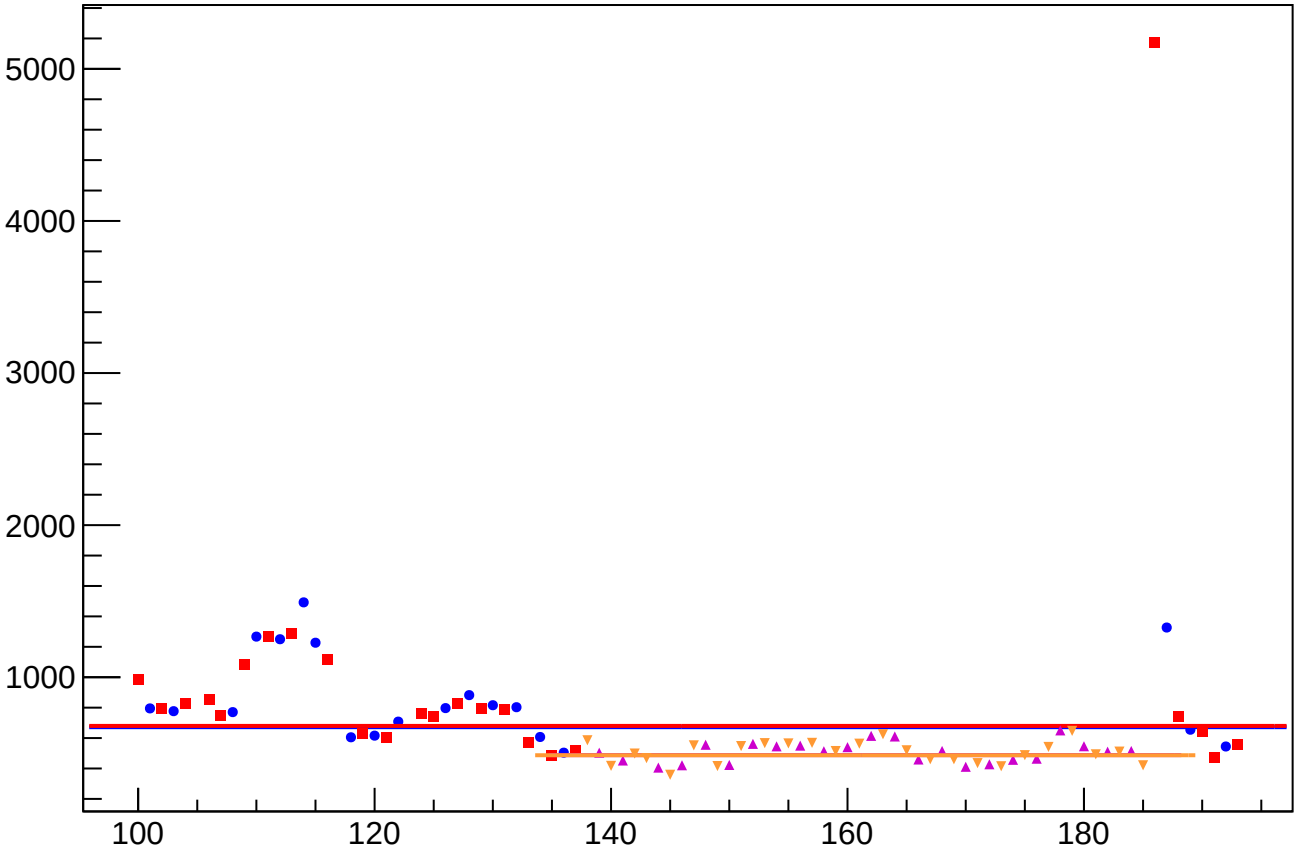
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 318.583+/-101.209 χ^2/NDF: 49.5/43

All: 231.144+/-72.090 χ^2/NDF: 101.5/90

- sign 141.093+/-102.709 χ^2/NDF: 50.4/46

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: 679.905+/-0.159 χ^2/NDF: 1848059.4/23

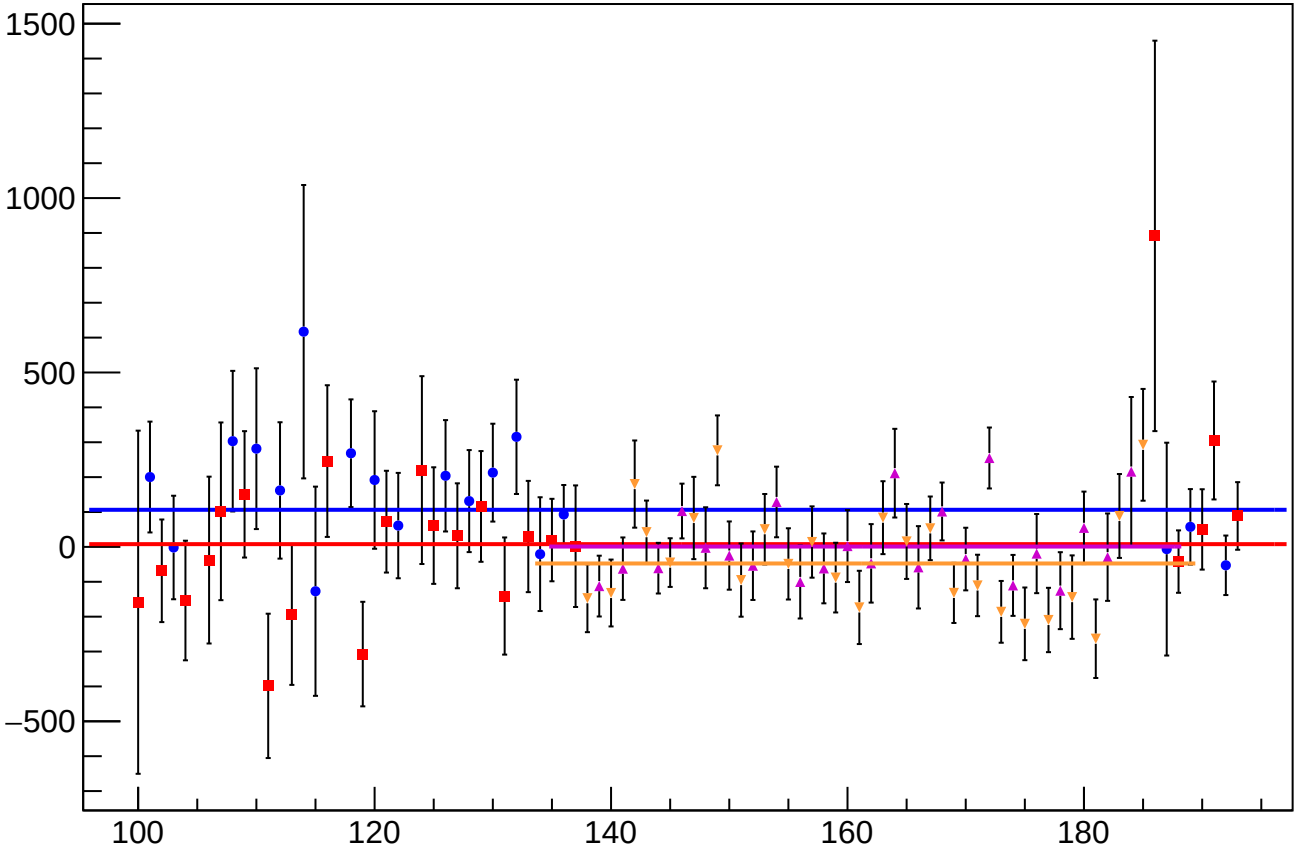
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 521.838+/-0.072 χ^2/NDF: 2965991.7/43

All: 524.816+/-0.051 χ^2/NDF: 6603360.8/90

- sign 527.883+/-0.073 χ^2/NDF: 3633853.7/46

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: 7.901+/-32.172 χ^2/NDF: 21.5/23

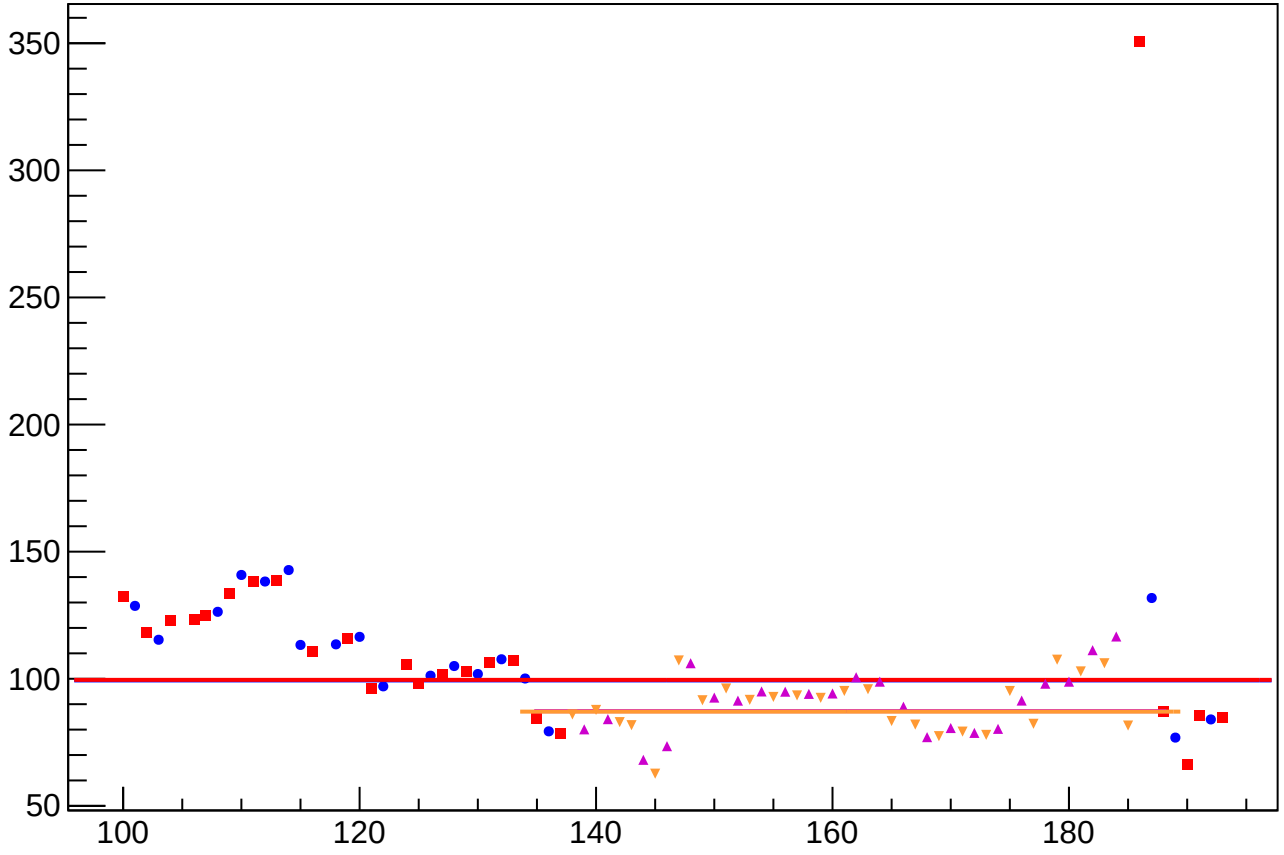
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.903+/-17.219 χ^2/NDF: 72.2/43

All: -2.494+/-12.222 χ^2/NDF: 119.5/90

- sign 2.999+/-17.350 χ^2/NDF: 47.0/46

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

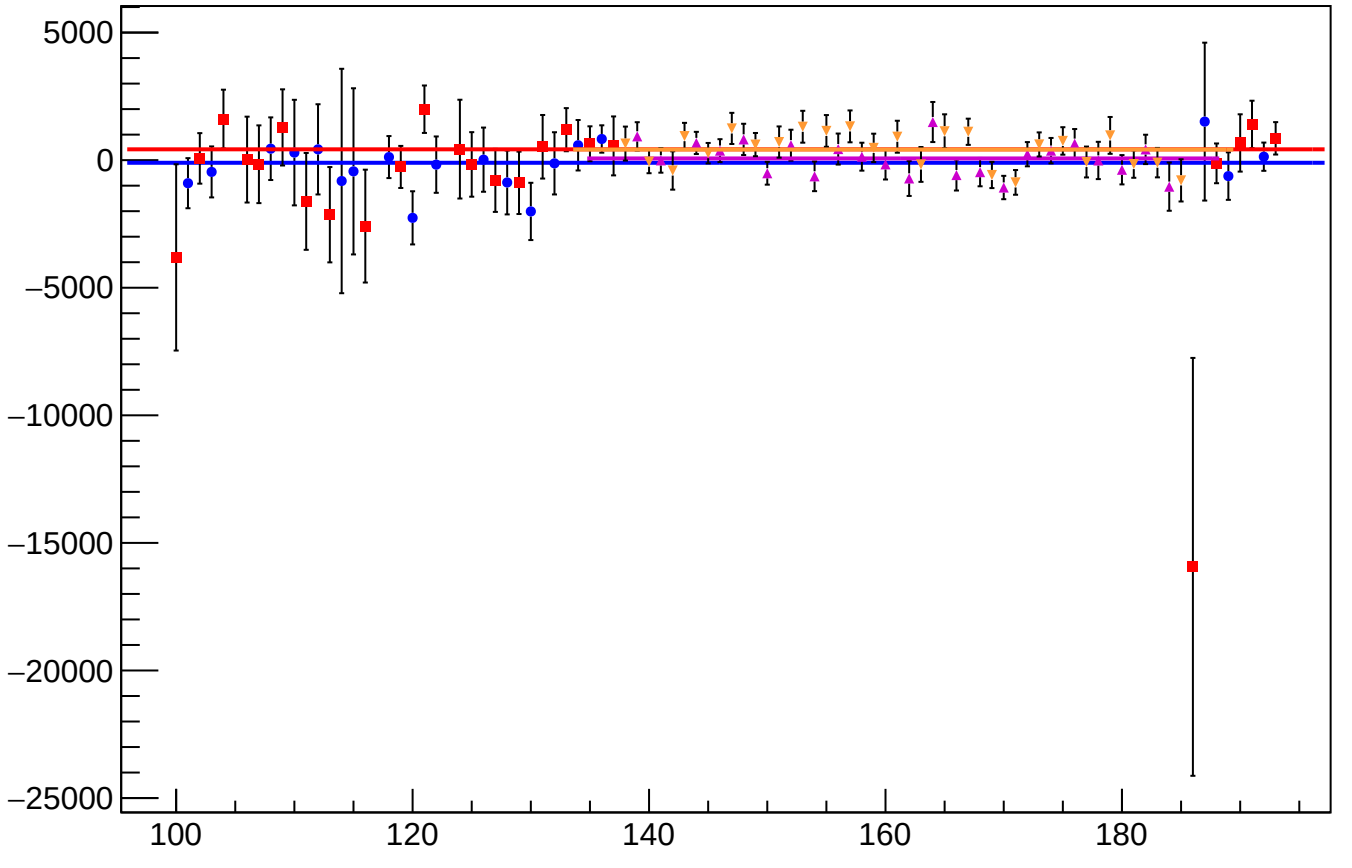
Right Out: 99.566+/-0.023 χ^2/NDF: 1106639.4/23

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.233+/-0.012 χ^2/NDF: 1439781.0/43

All: 90.533+/-0.009 χ^2/NDF: 3351081.3/90

- sign 90.837+/-0.012 χ^2/NDF: 1910078.9/46



Right In: -103.160+/-233.237 χ^2/NDF: 13.1/18

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

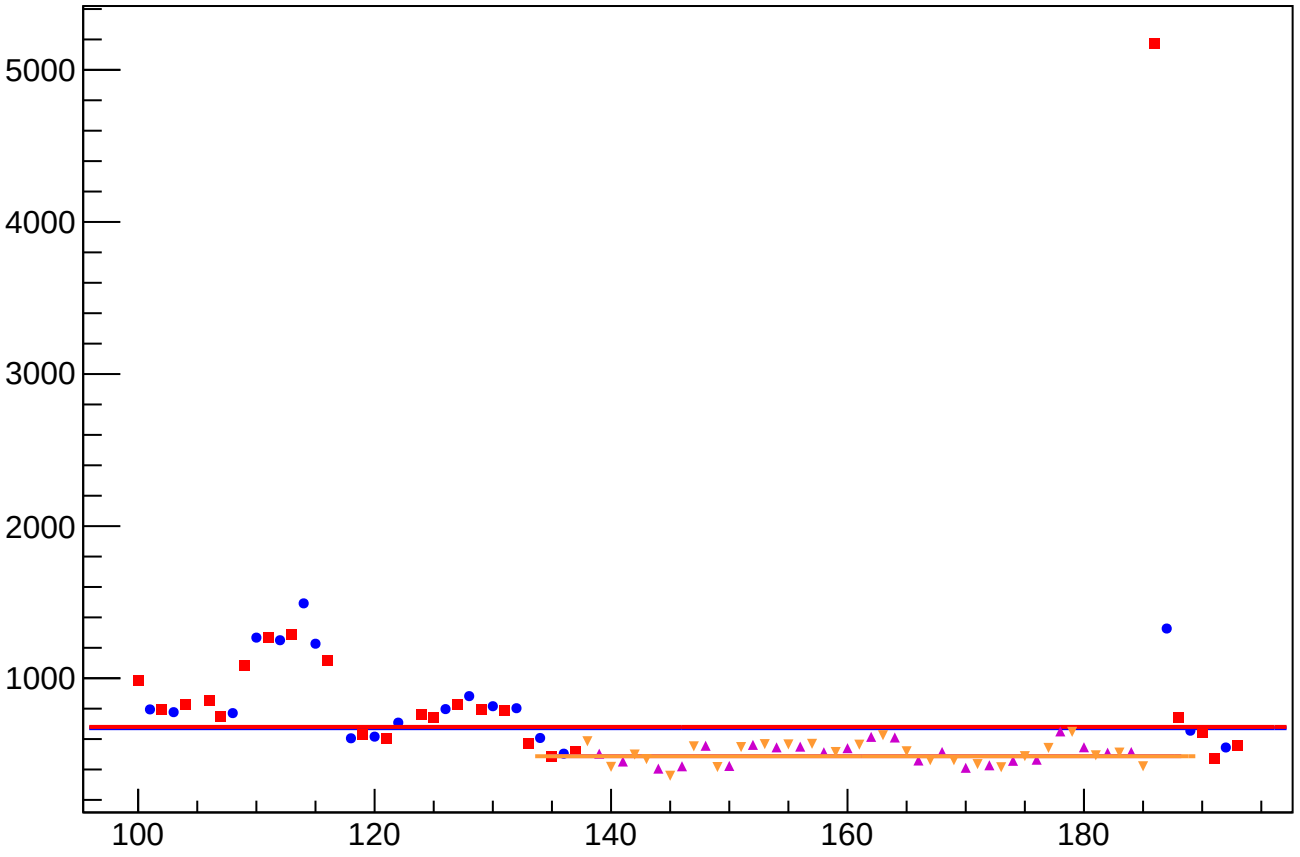
Right Out: 424.258+/-225.141 χ^2/NDF: 20.9/23

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 318.583+/-101.209 χ^2/NDF: 49.5/43

All: 231.144+/-72.090 χ^2/NDF: 101.5/90

- sign 141.093+/-102.709 χ^2/NDF: 50.4/46



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: 679.905+/-0.159 χ^2/NDF: 1848059.4/23

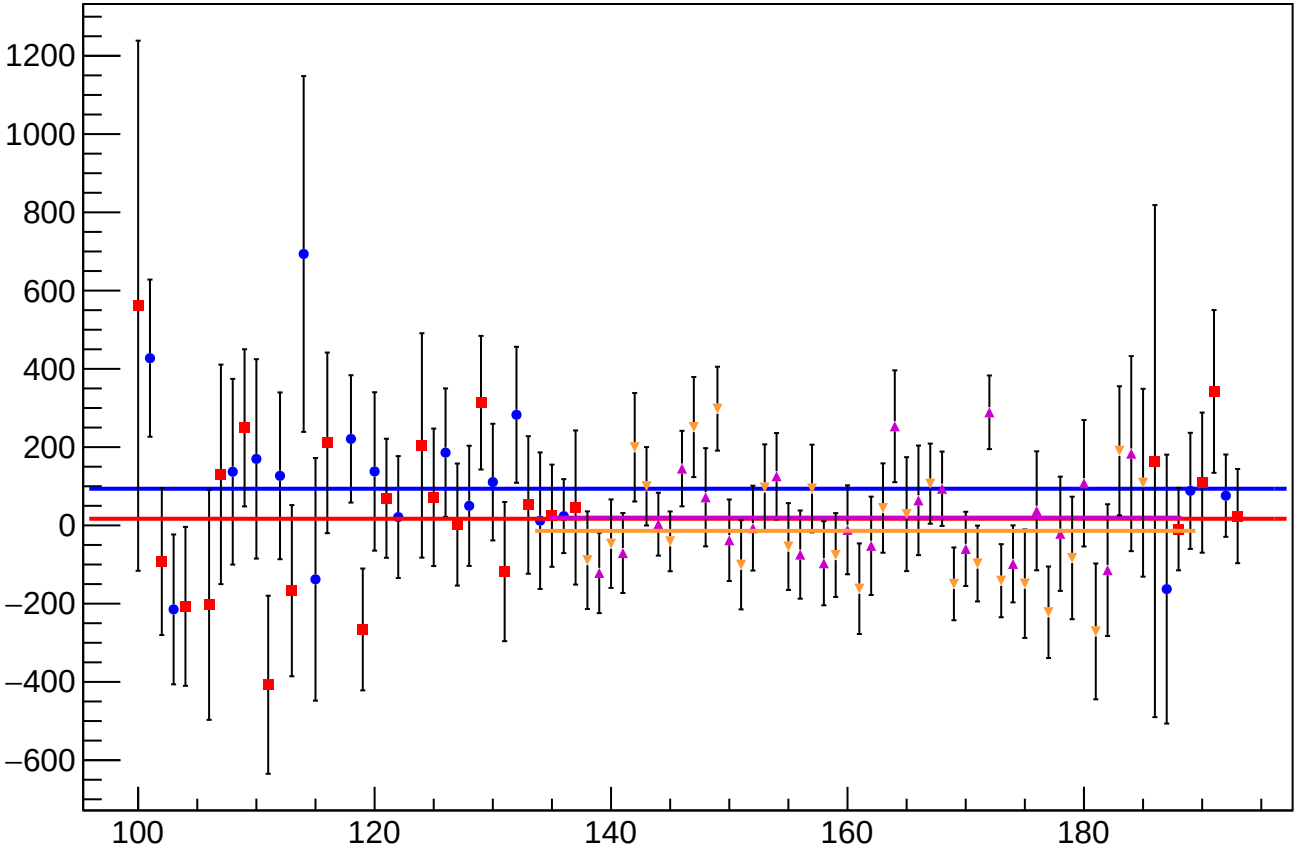
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 521.838+/-0.072 χ^2/NDF: 2965991.7/43

All: 524.816+/-0.051 χ^2/NDF: 6603360.8/90

- sign 527.883+/-0.073 χ^2/NDF: 3633853.7/46

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: 16.992+/-36.973 χ^2/NDF: 19.6/23

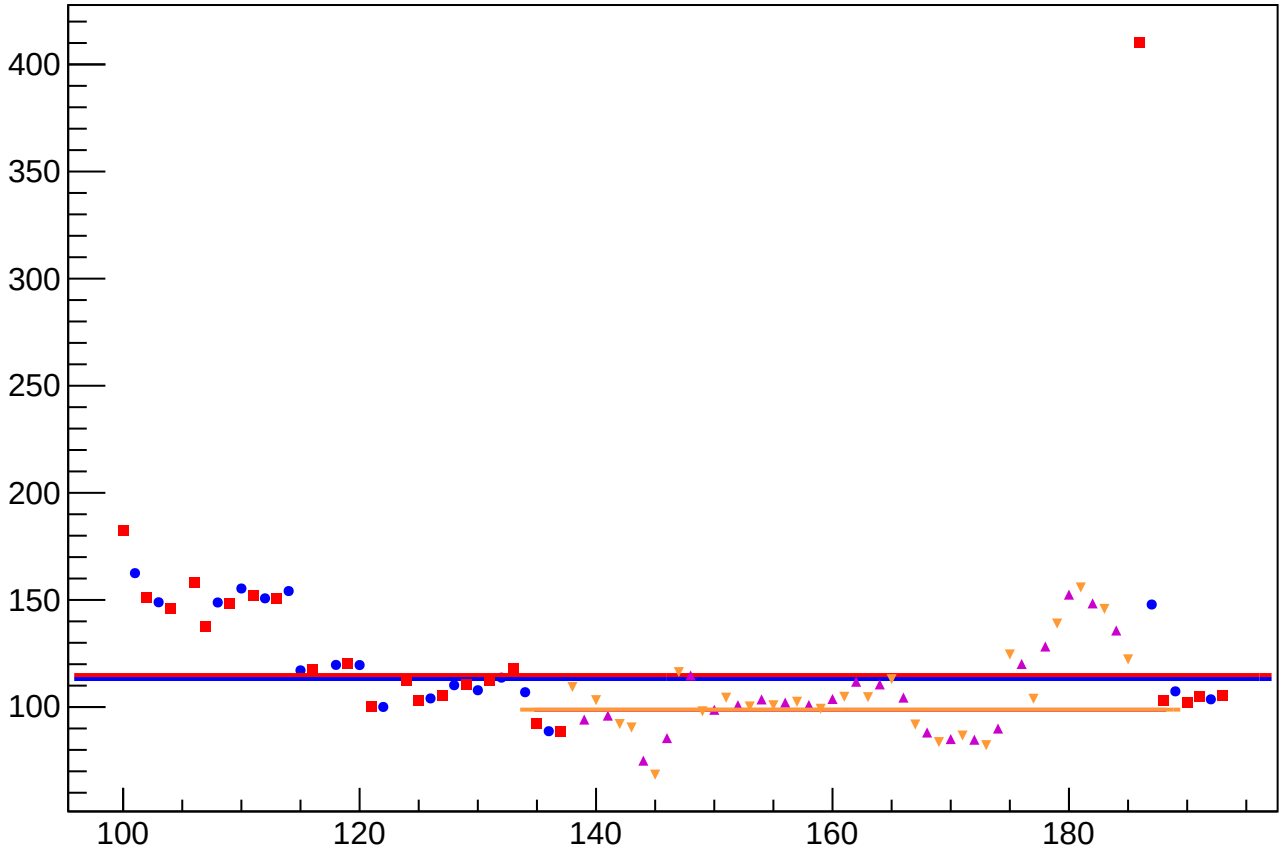
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 14.173+/-19.700 χ^2/NDF: 53.8/43

All: 16.561+/-13.992 χ^2/NDF: 96.7/90

- sign 18.992+/-19.876 χ^2/NDF: 42.9/46

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

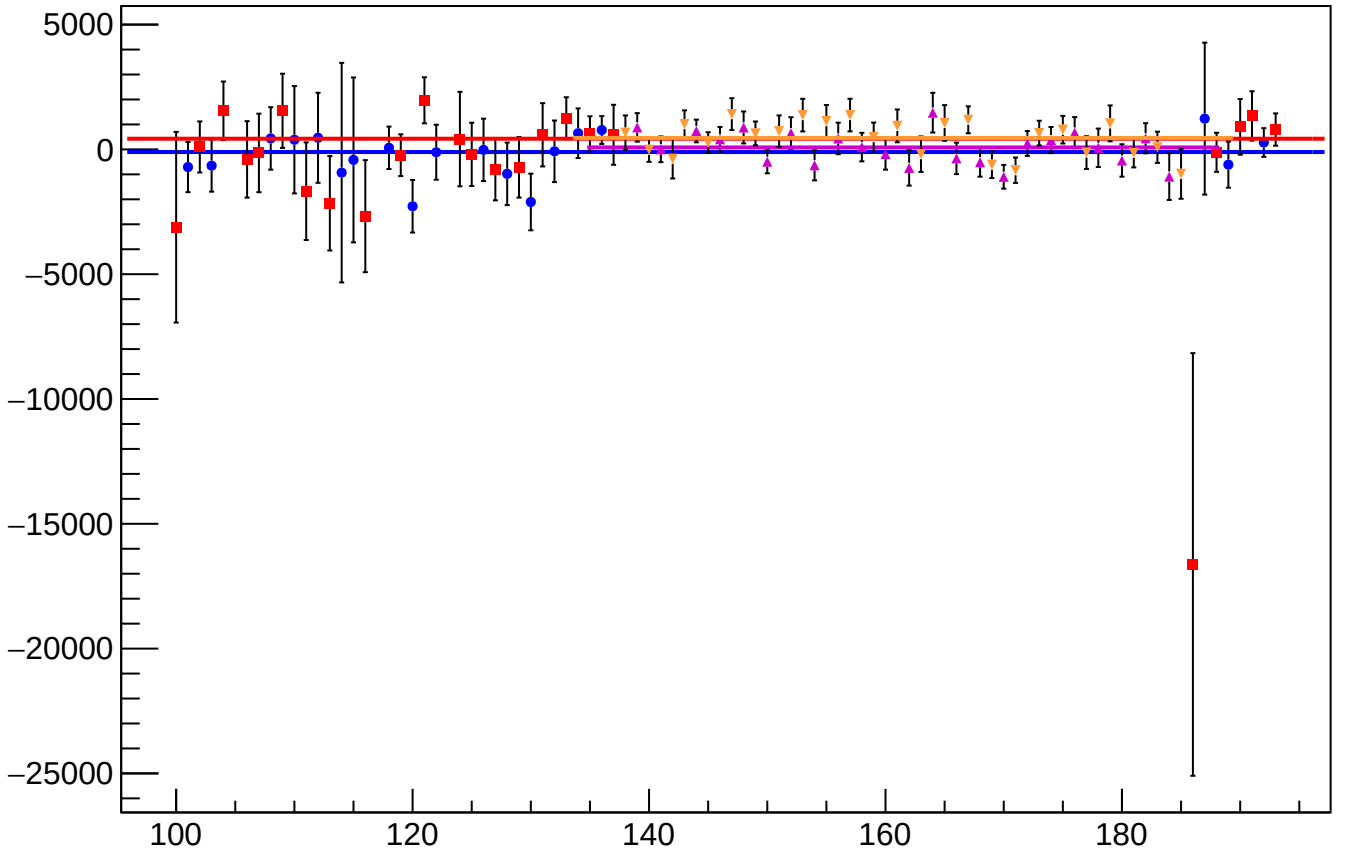
Right Out: 114.943+/-0.026 χ^2/NDF: 955645.5/23

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.529+/-0.014 χ^2/NDF: 1963221.2/43

All: 102.948+/-0.010 χ^2/NDF: 4183871.7/90

- sign 103.375+/-0.014 χ^2/NDF: 2218826.5/46



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: 428.246+/-228.099 χ^2/NDF: 20.3/23

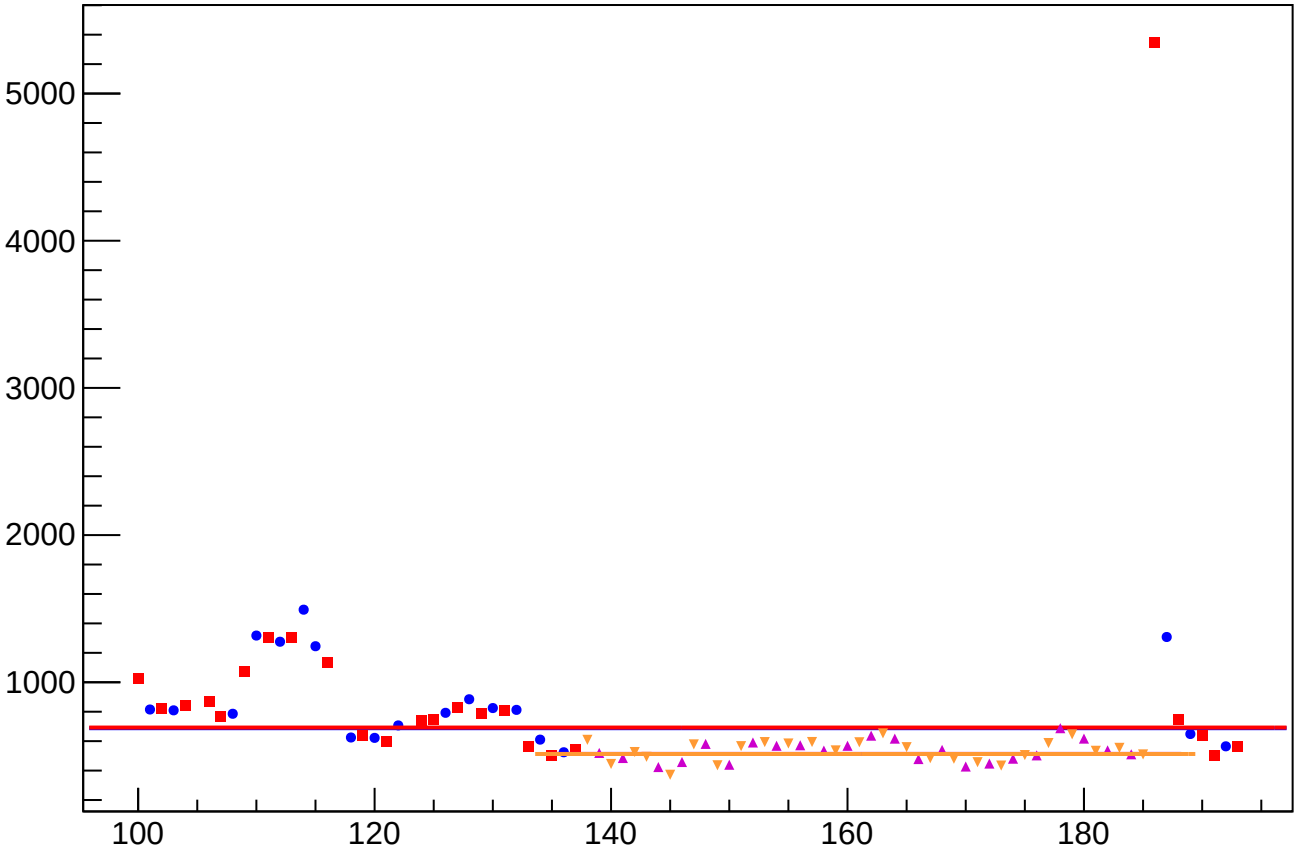
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 347.929+/-105.841 χ^2/NDF: 48.2/43

All: 253.164+/-75.314 χ^2/NDF: 98.2/90

- sign 155.965+/-107.192 χ^2/NDF: 48.3/46

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: 692.370+/-0.161 χ^2/NDF: 1810625.4/23

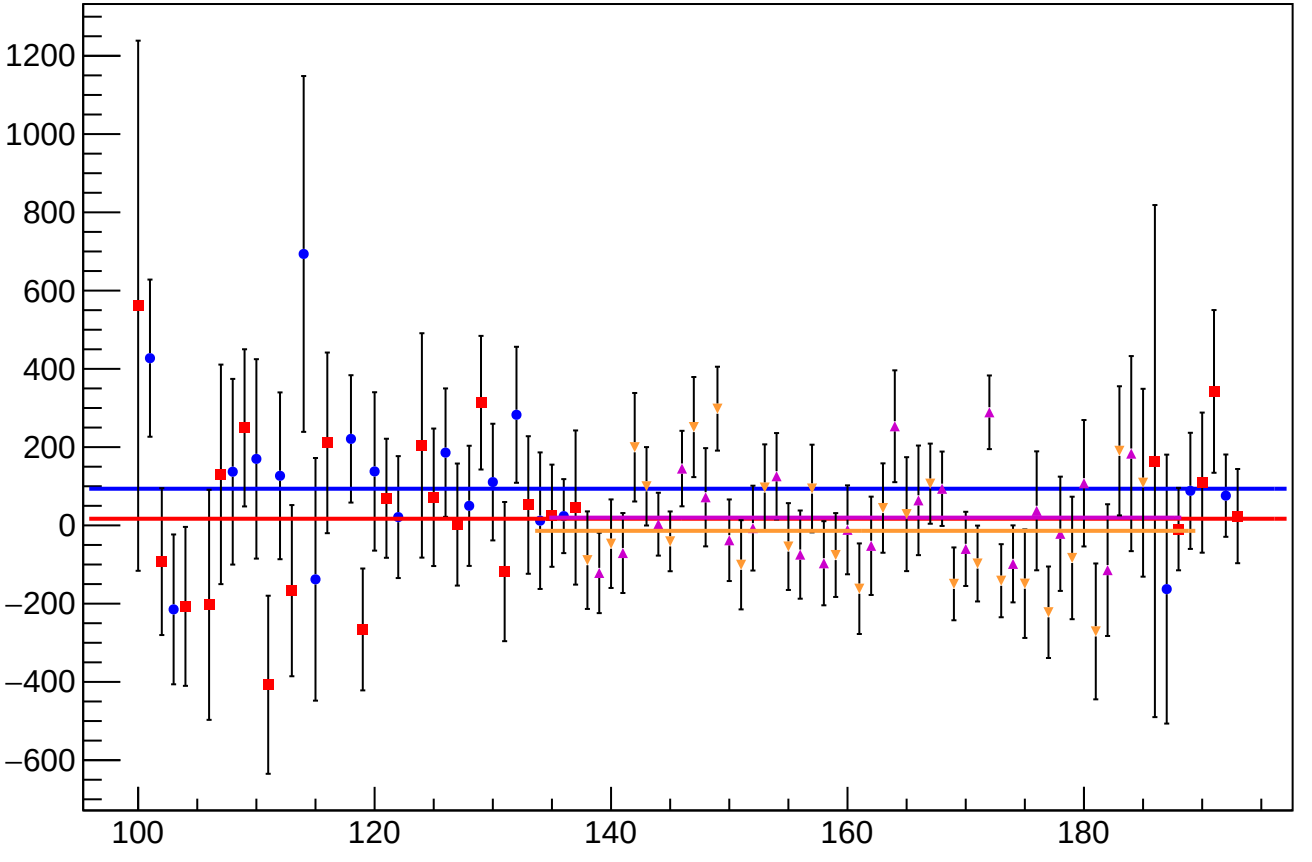
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 547.286+/-0.075 χ^2/NDF: 2740254.7/43

All: 550.059+/-0.053 χ^2/NDF: 6147272.7/90

- sign 552.904+/-0.076 χ^2/NDF: 3404236.2/46

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: 16.991+/-36.973 χ^2/NDF: 19.6/23

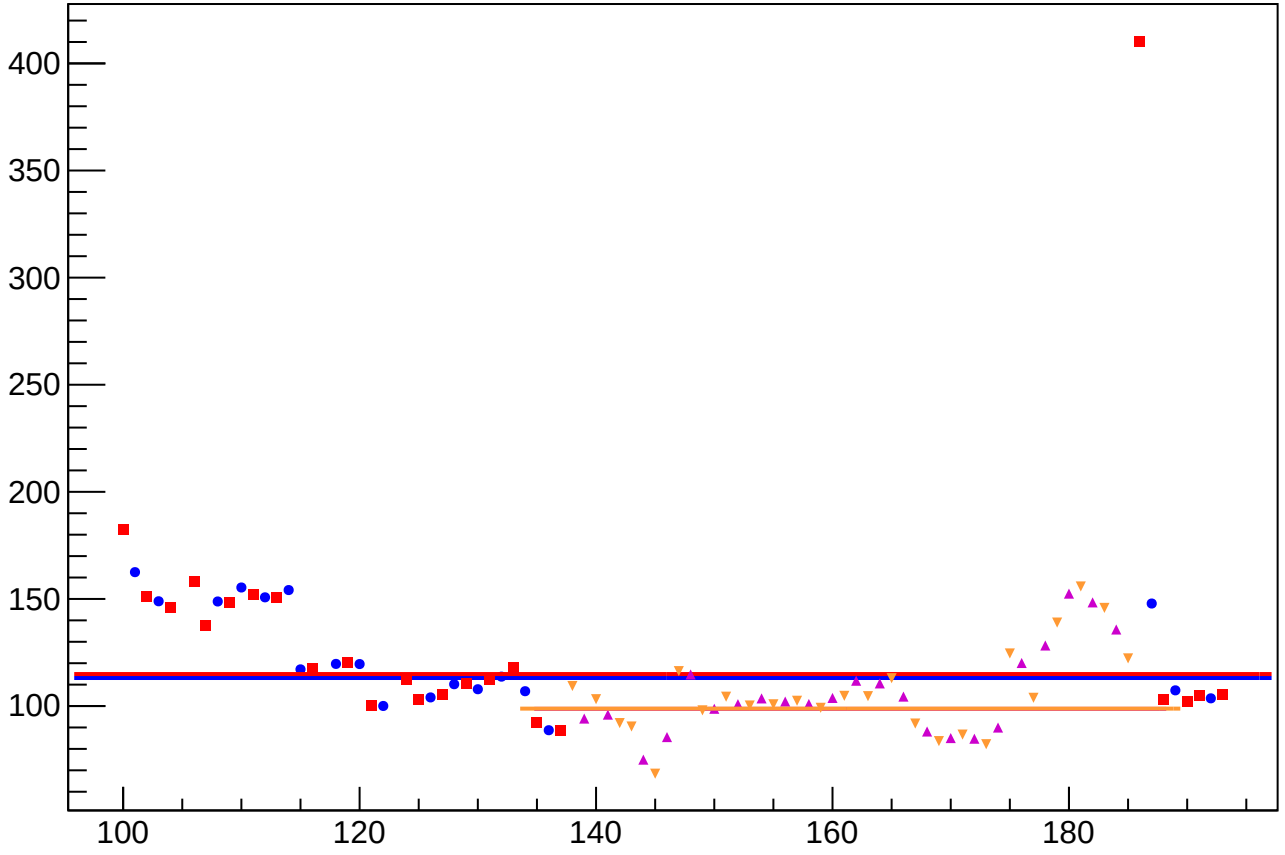
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 14.172+/-19.700 χ^2/NDF: 53.8/43

All: 16.560+/-13.992 χ^2/NDF: 96.7/90

- sign 18.992+/-19.876 χ^2/NDF: 42.9/46

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

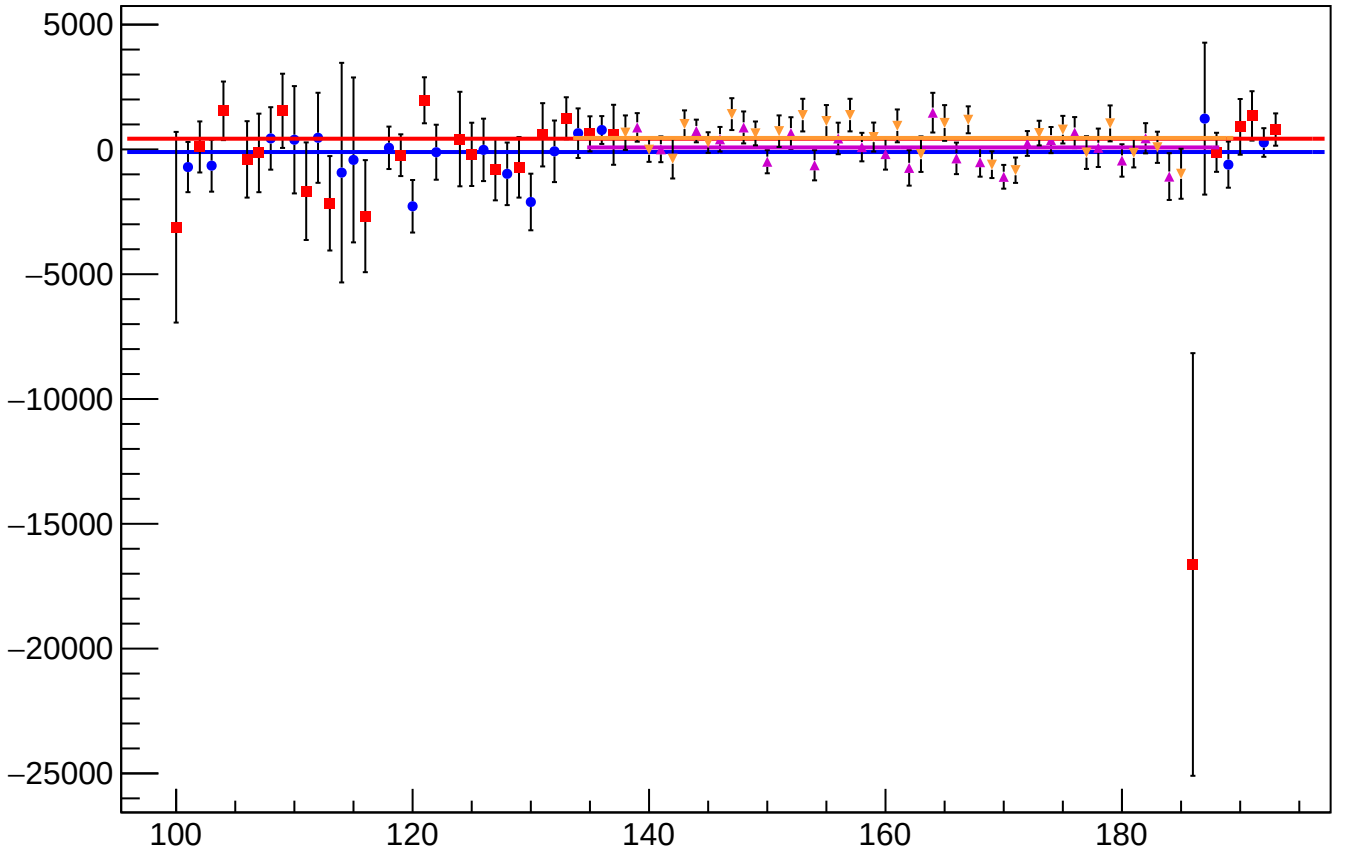
Right Out: 114.943+/-0.026 χ^2/NDF: 955630.4/23

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.529+/-0.014 χ^2/NDF: 1963217.0/43

All: 102.948+/-0.010 χ^2/NDF: 4183848.1/90

- sign 103.375+/-0.014 χ^2/NDF: 2218807.2/46



Right In: -105.265+/-238.479 χ^2/NDF: 12.9/18

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

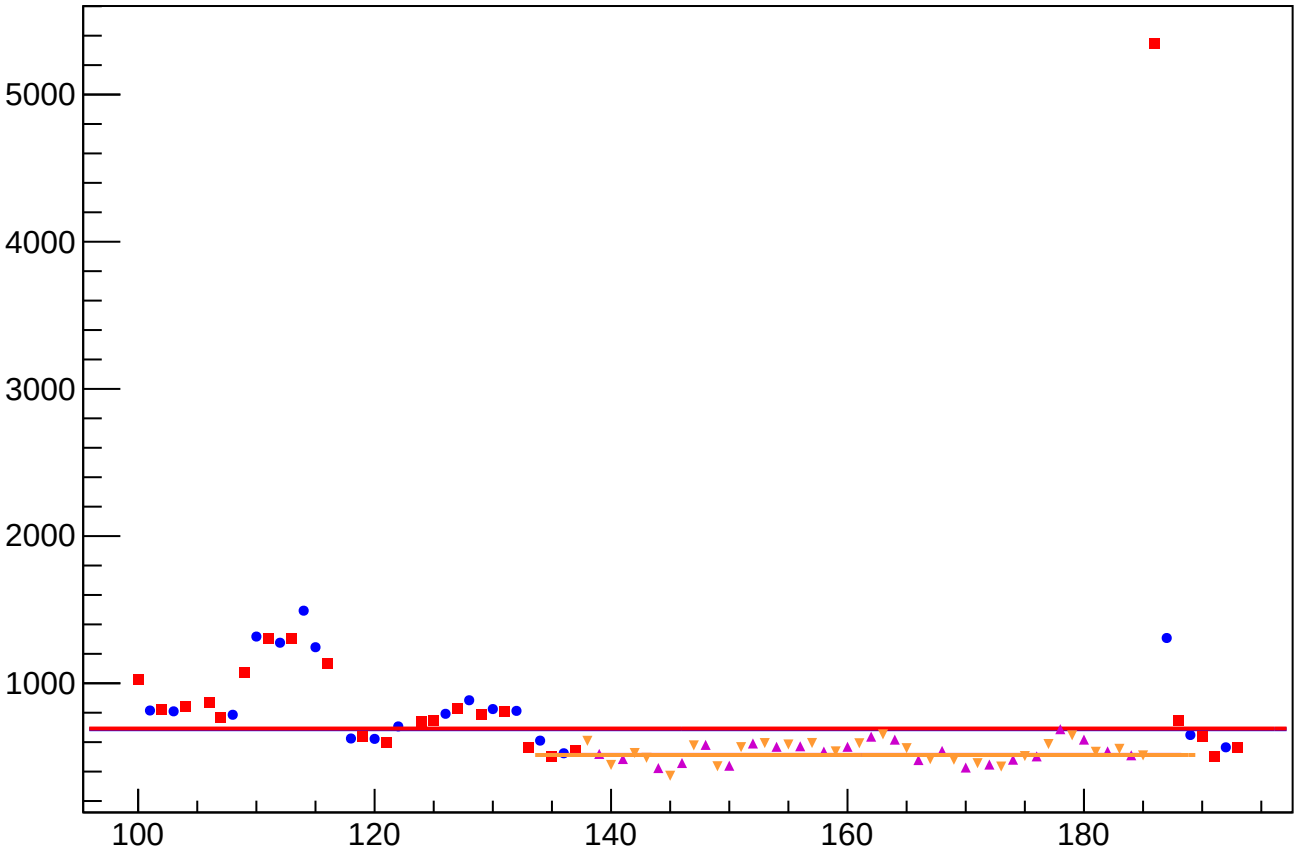
Right Out: 428.245+/-228.098 χ^2/NDF: 20.3/23

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 347.928+/-105.841 χ^2/NDF: 48.2/43

All: 253.163+/-75.314 χ^2/NDF: 98.2/90

- sign 155.964+/-107.192 χ^2/NDF: 48.3/46



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: 692.369+/-0.161 χ^2/NDF: 1810618.9/23

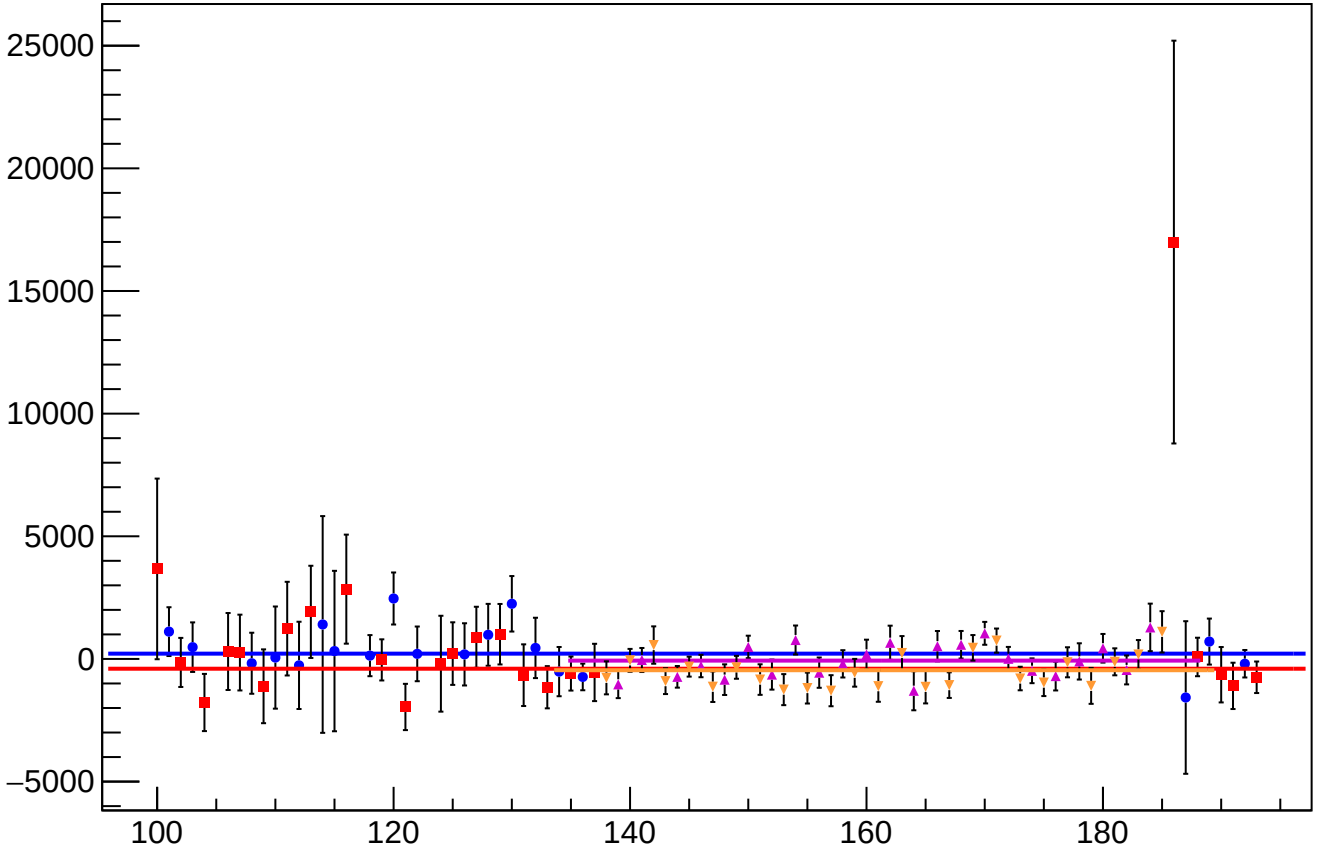
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 547.286+/-0.075 χ^2/NDF: 2740249.1/43

All: 550.059+/-0.053 χ^2/NDF: 6147252.7/90

- sign 552.904+/-0.076 χ^2/NDF: 3404221.6/46

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: -398.847+/-227.471 χ^2/NDF: 19.9/23

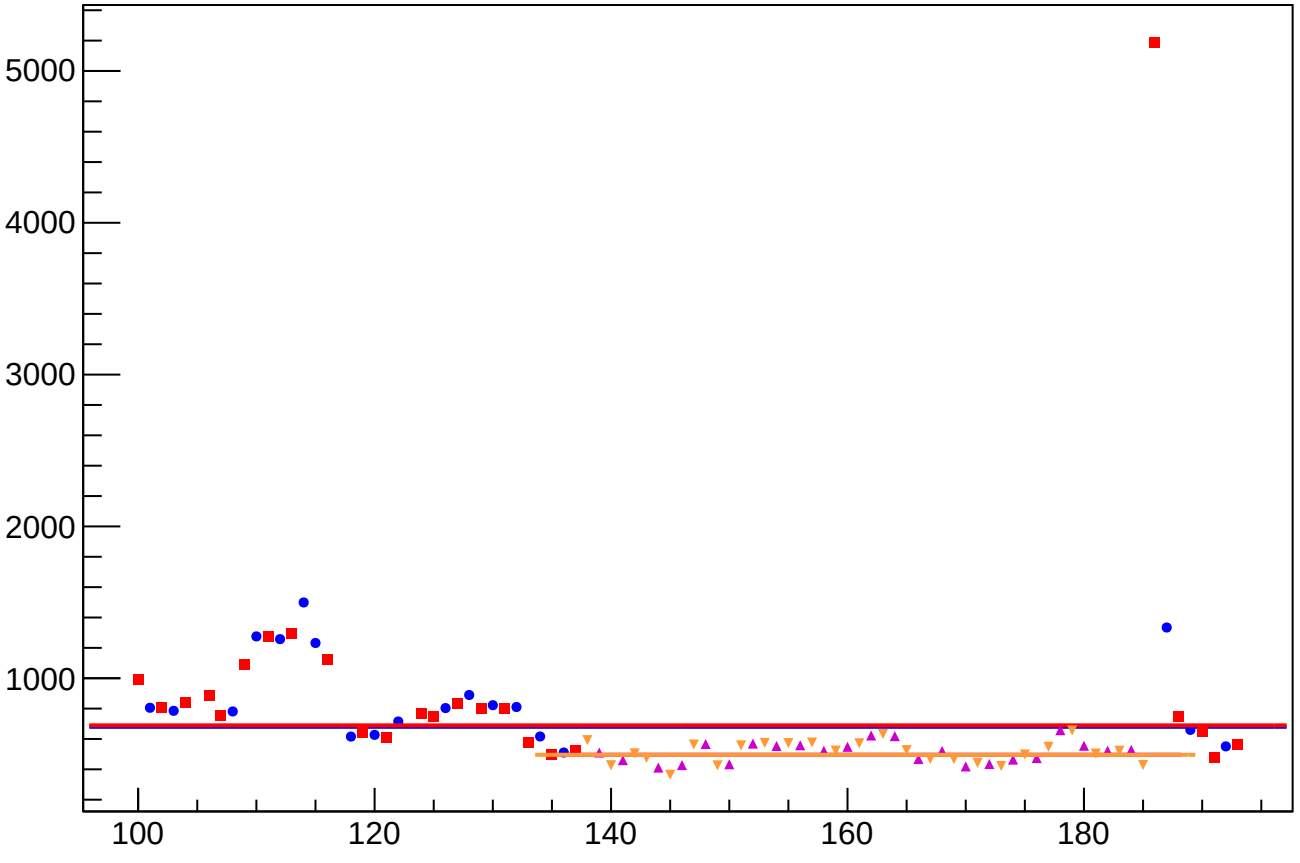
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -331.677+/-102.823 χ^2/NDF: 51.5/43

All: -236.019+/-73.224 χ^2/NDF: 103.4/90

- sign -137.593+/-104.301 χ^2/NDF: 50.1/46

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

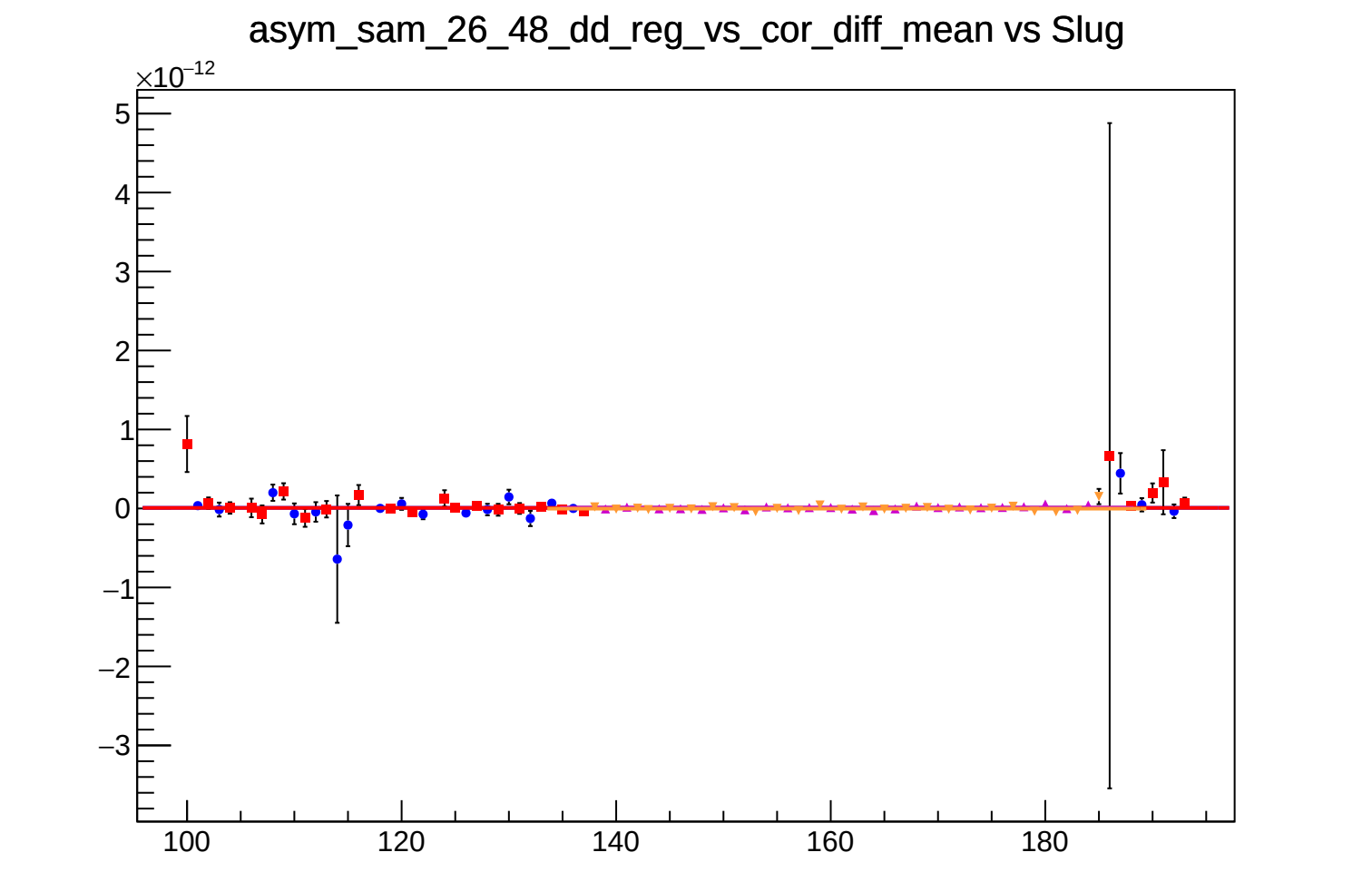
Right Out: 689.724+/-0.161 χ^2/NDF: 1835191.5/23

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 530.548+/-0.073 χ^2/NDF: 2907735.8/43

All: 533.714+/-0.052 χ^2/NDF: 6511109.1/90

- sign 536.972+/-0.074 χ^2/NDF: 3599525.4/46



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: 22.4/23

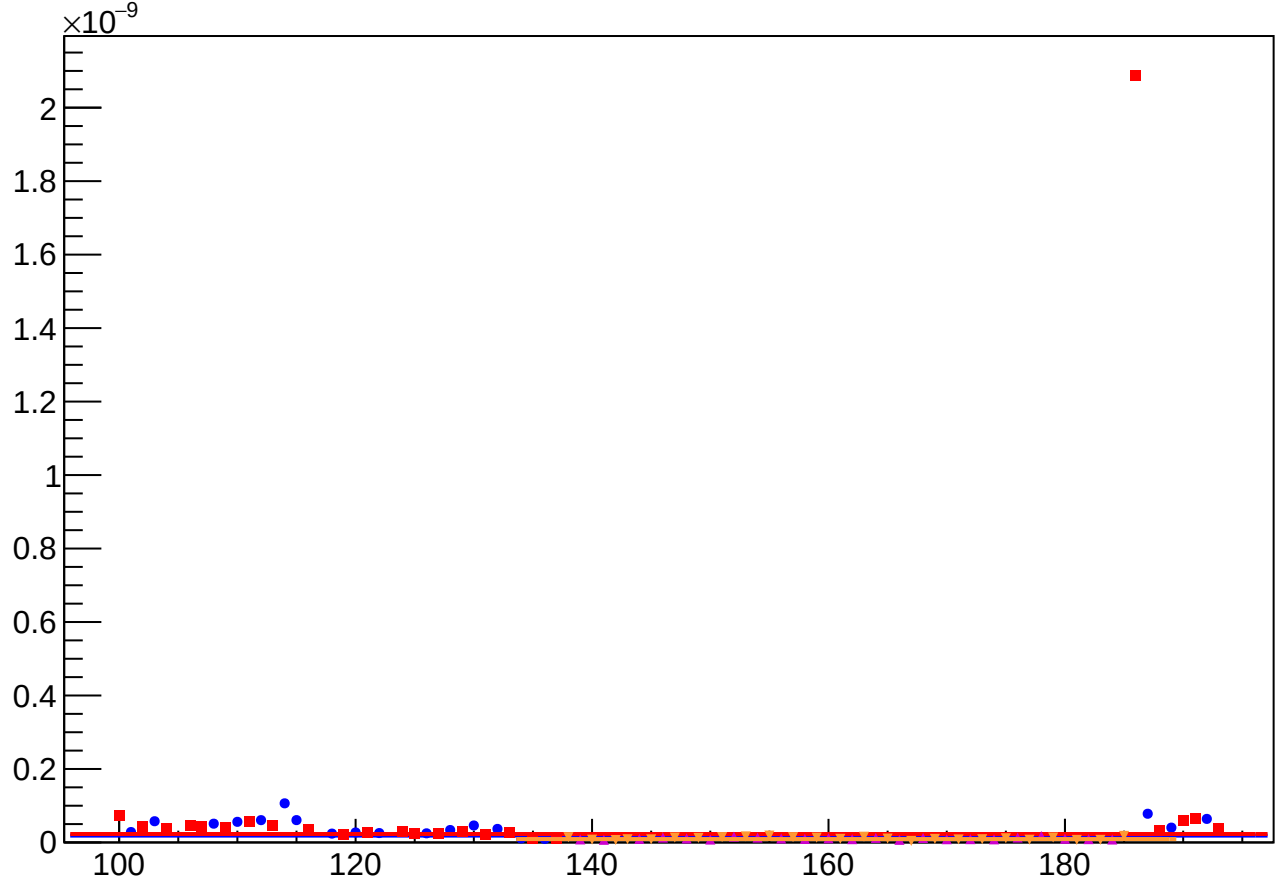
Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.6/43

All: 0.000+/-0.000 χ^2/NDF: 88.0/90

- sign 0.000+/-0.000 χ^2/NDF: 38.0/46

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs Slug



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: 2556751.3/23

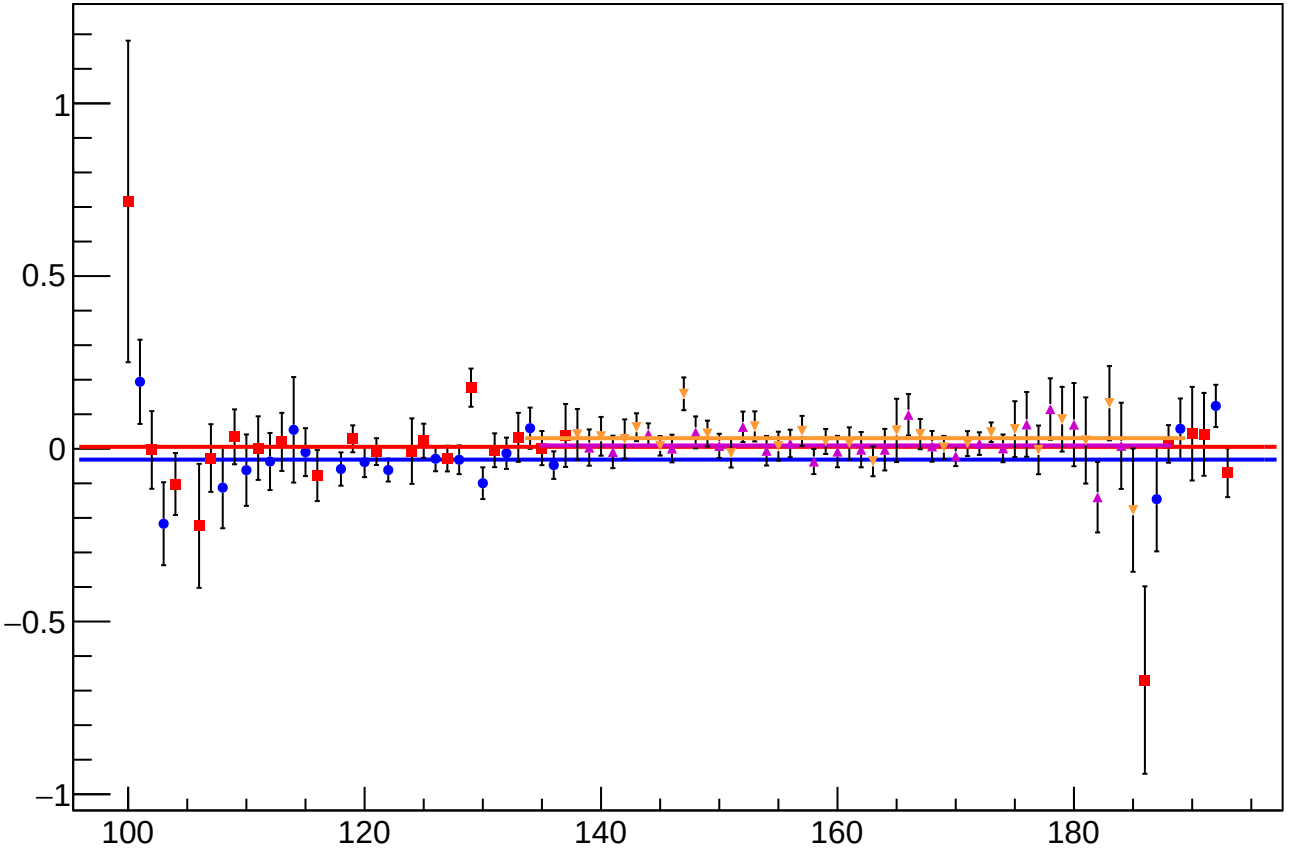
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6295818.9/43

All: 0.000+/-0.000 χ^2/NDF: 11515934.3/90

- sign 0.000+/-0.000 χ^2/NDF: 5171285.5/46

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: 0.006+/-0.013 χ^2/NDF: 25.9/23

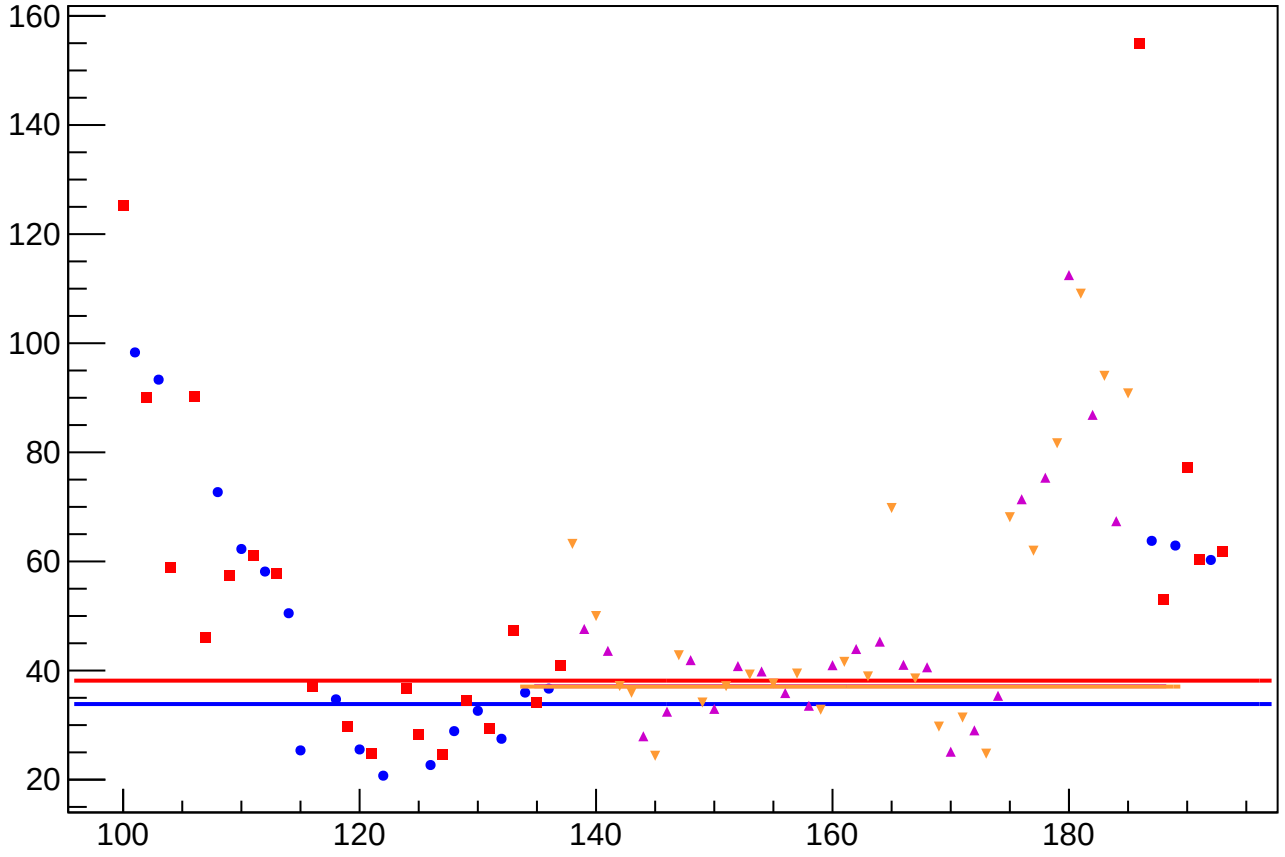
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 54.5/43

All: 0.009+/-0.005 χ^2/NDF: 93.6/90

- sign 0.008+/-0.008 χ^2/NDF: 39.2/46

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

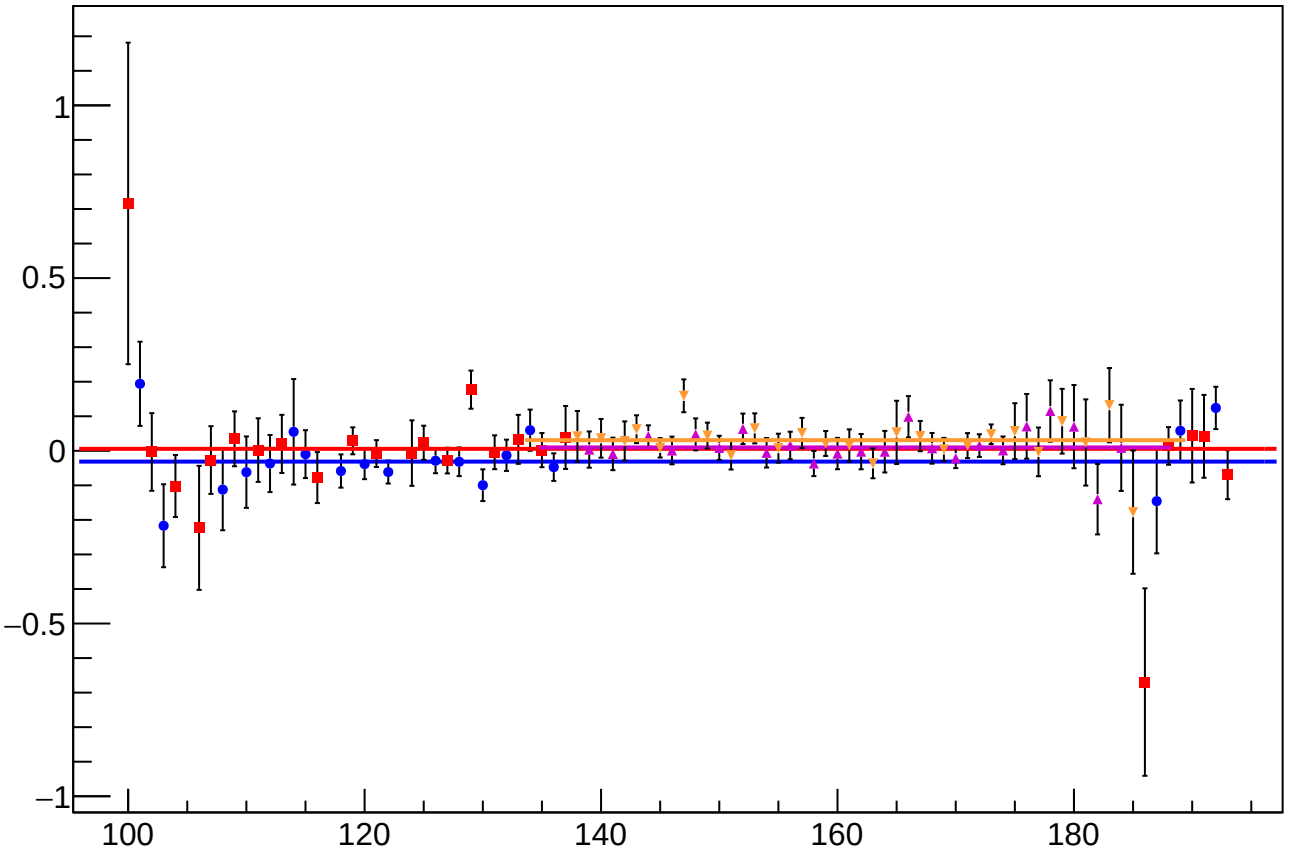
Right Out: 38.148+/-0.009 χ^2/NDF: 2912186.5/23

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.966+/-0.005 χ^2/NDF: 7110946.6/43

All: 36.691+/-0.004 χ^2/NDF: 13083418.3/90

- sign 37.466+/-0.005 χ^2/NDF: 5932864.8/46



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: 0.006+/-0.013 χ^2/NDF: 25.9/23

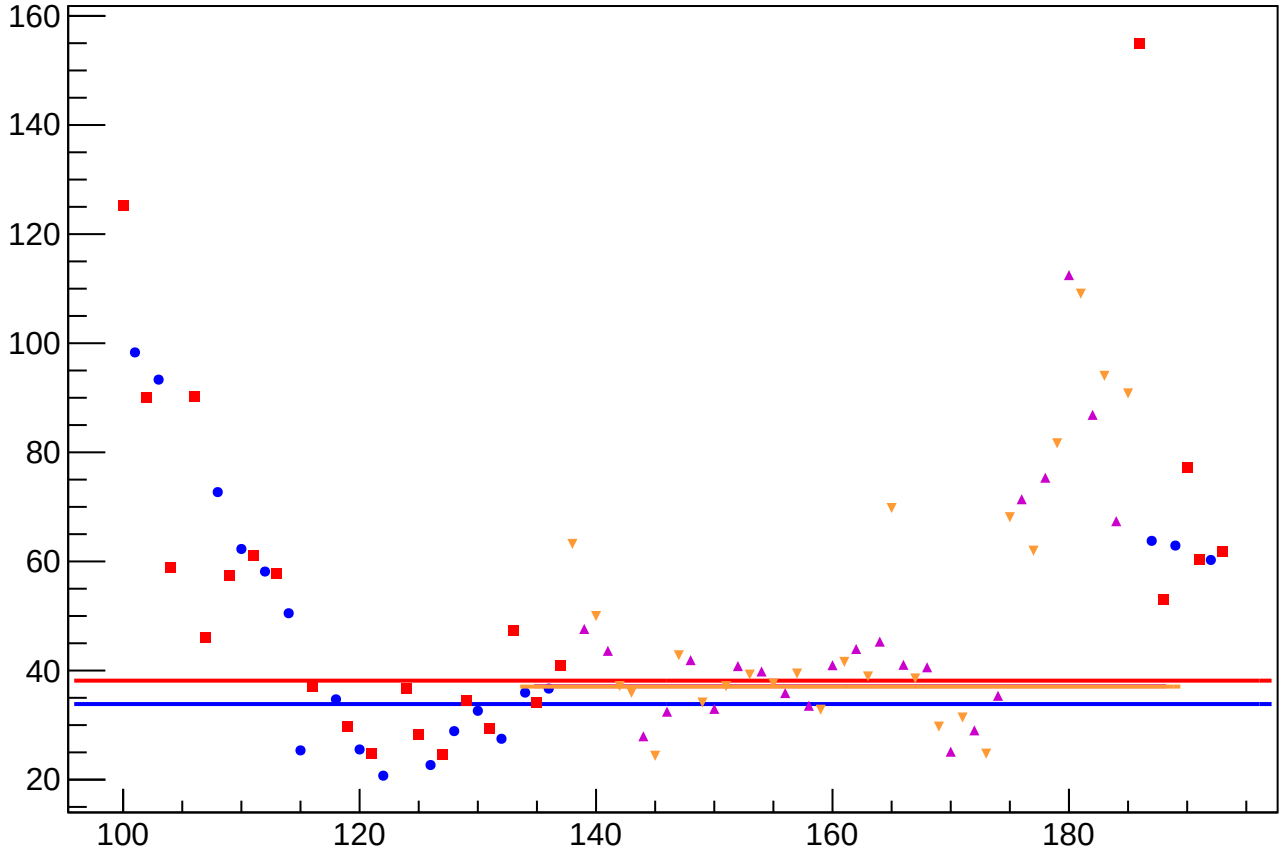
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 54.5/43

All: 0.009+/-0.005 χ^2/NDF: 93.6/90

- sign 0.008+/-0.008 χ^2/NDF: 39.2/46

asym_sam_26_48_dd_dit_vs_eigen_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

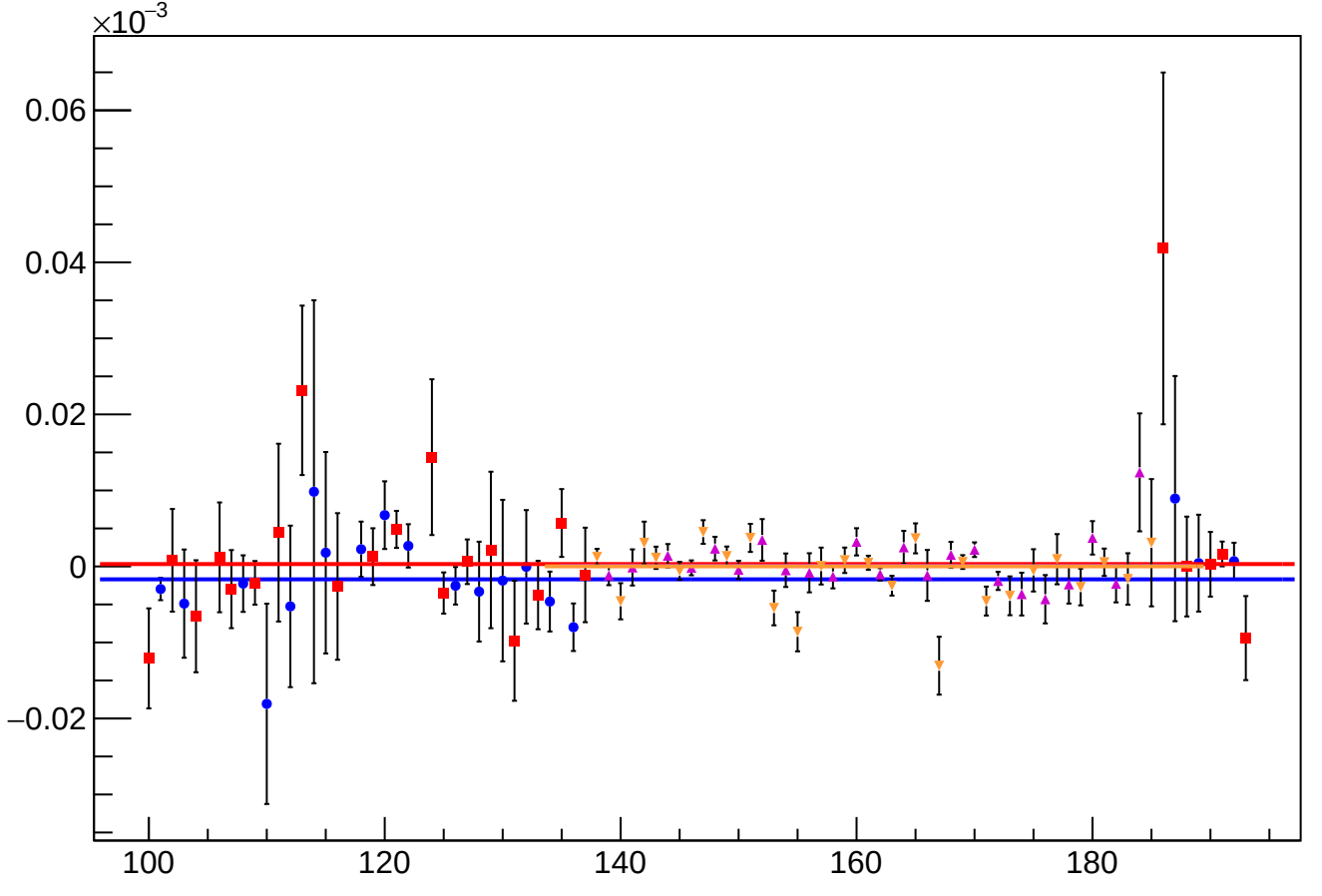
Right Out: 38.148+/-0.009 χ^2/NDF: 2912186.5/23

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.966+/-0.005 χ^2/NDF: 7110946.6/43

All: 36.691+/-0.004 χ^2/NDF: 13083418.3/90

- sign 37.466+/-0.005 χ^2/NDF: 5932864.8/46



Right In: -0.000+/-0.000 χ^2/NDF: 16.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

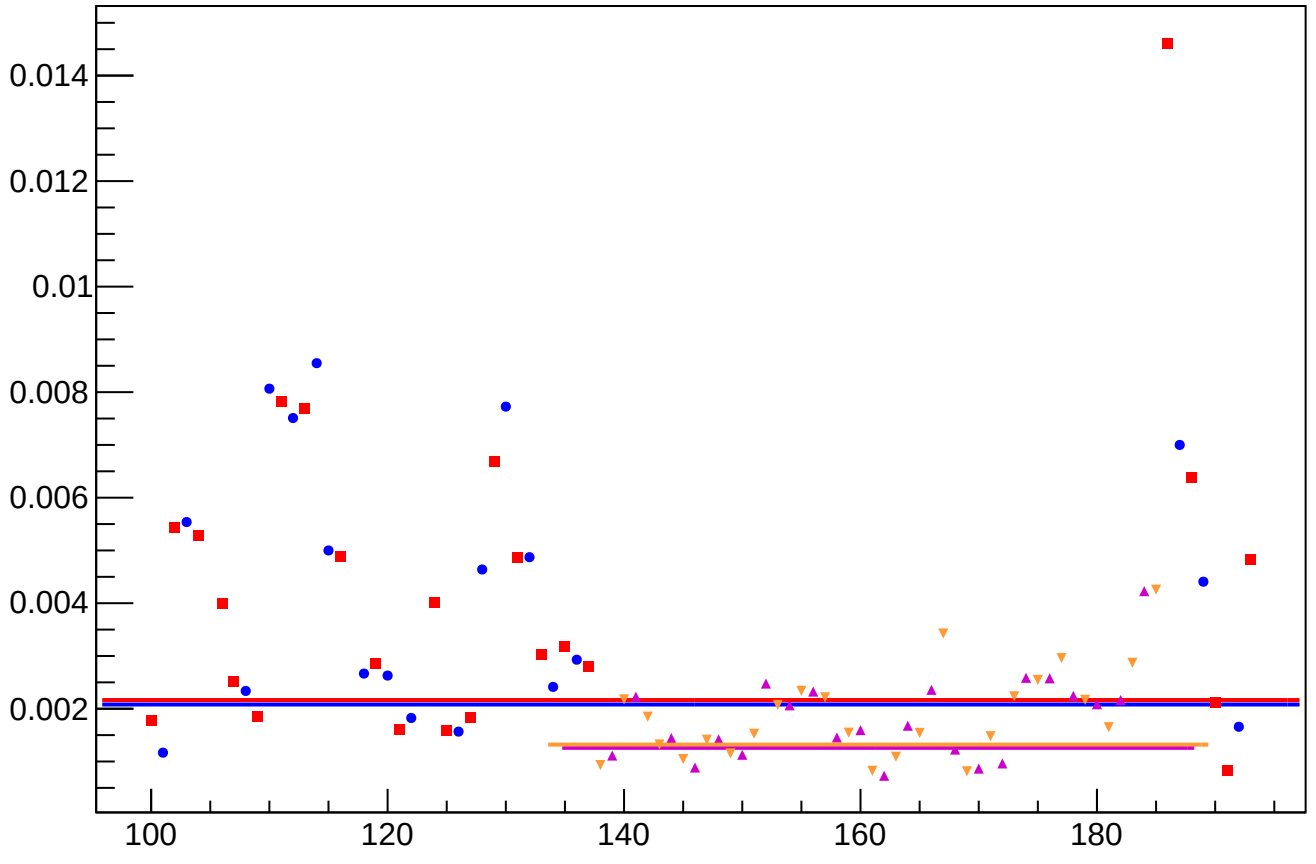
Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/23

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: 148.9/90

- sign 0.000+/-0.000 χ^2/NDF: 60.7/46



Right In: 0.002+/-0.000 χ^2/NDF: 4430233.2/18

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

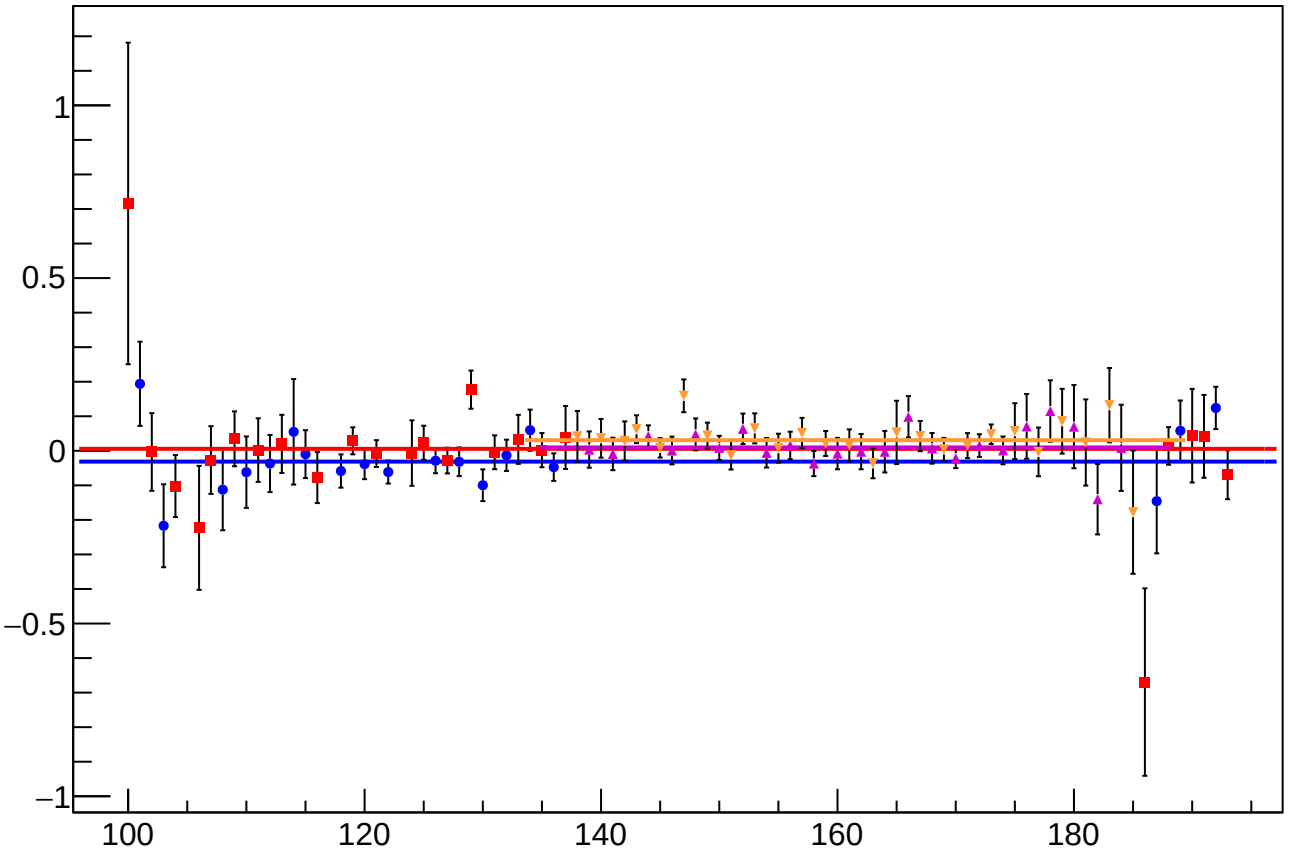
Right Out: 0.002+/-0.000 χ^2/NDF: 6503039.1/23

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: 25375493.3/90

- sign 0.001+/-0.000 χ^2/NDF: 13883806.1/46



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: 0.006+/-0.013 χ^2/NDF: 25.9/23

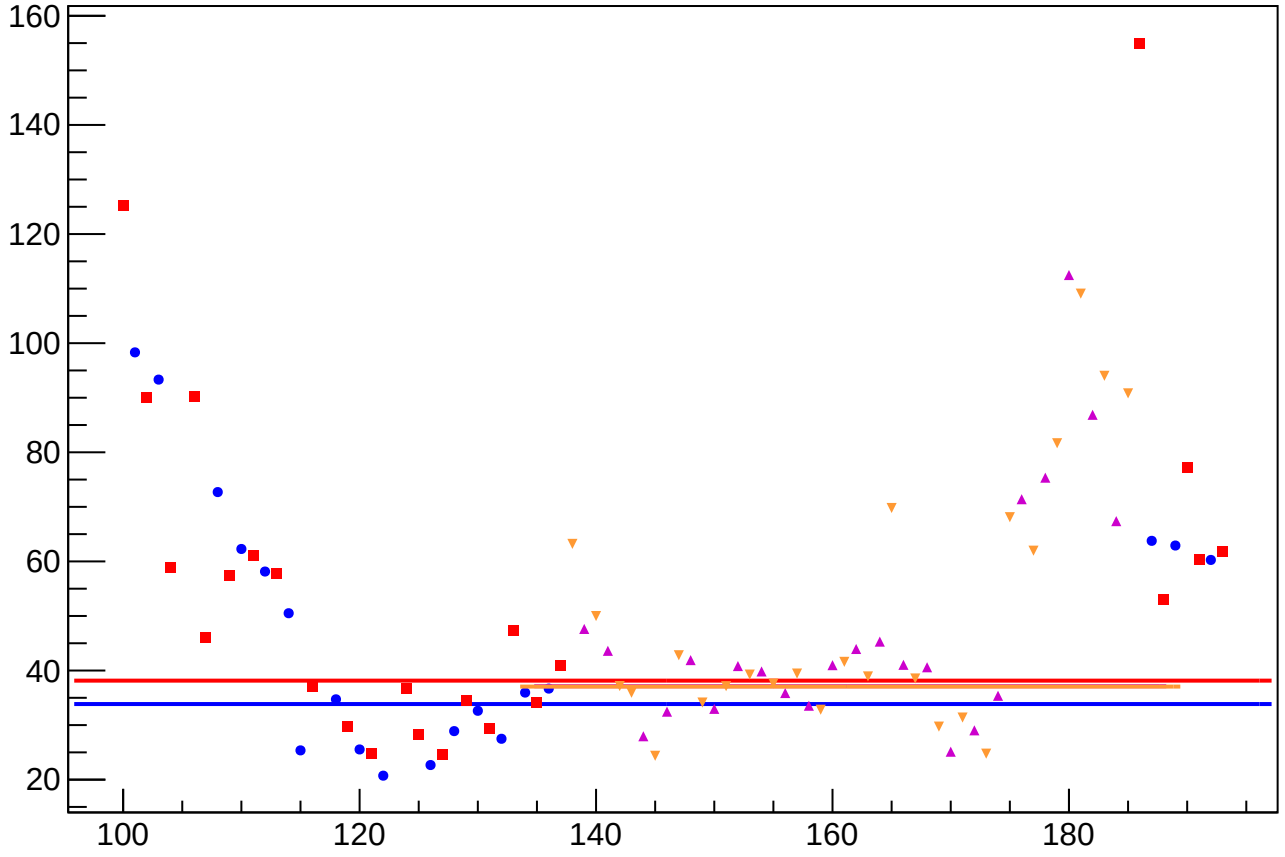
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 54.5/43

All: 0.009+/-0.005 χ^2/NDF: 93.6/90

- sign 0.008+/-0.008 χ^2/NDF: 39.2/46

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 33.857+/-0.009 χ^2/NDF: 2973333.3/18

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

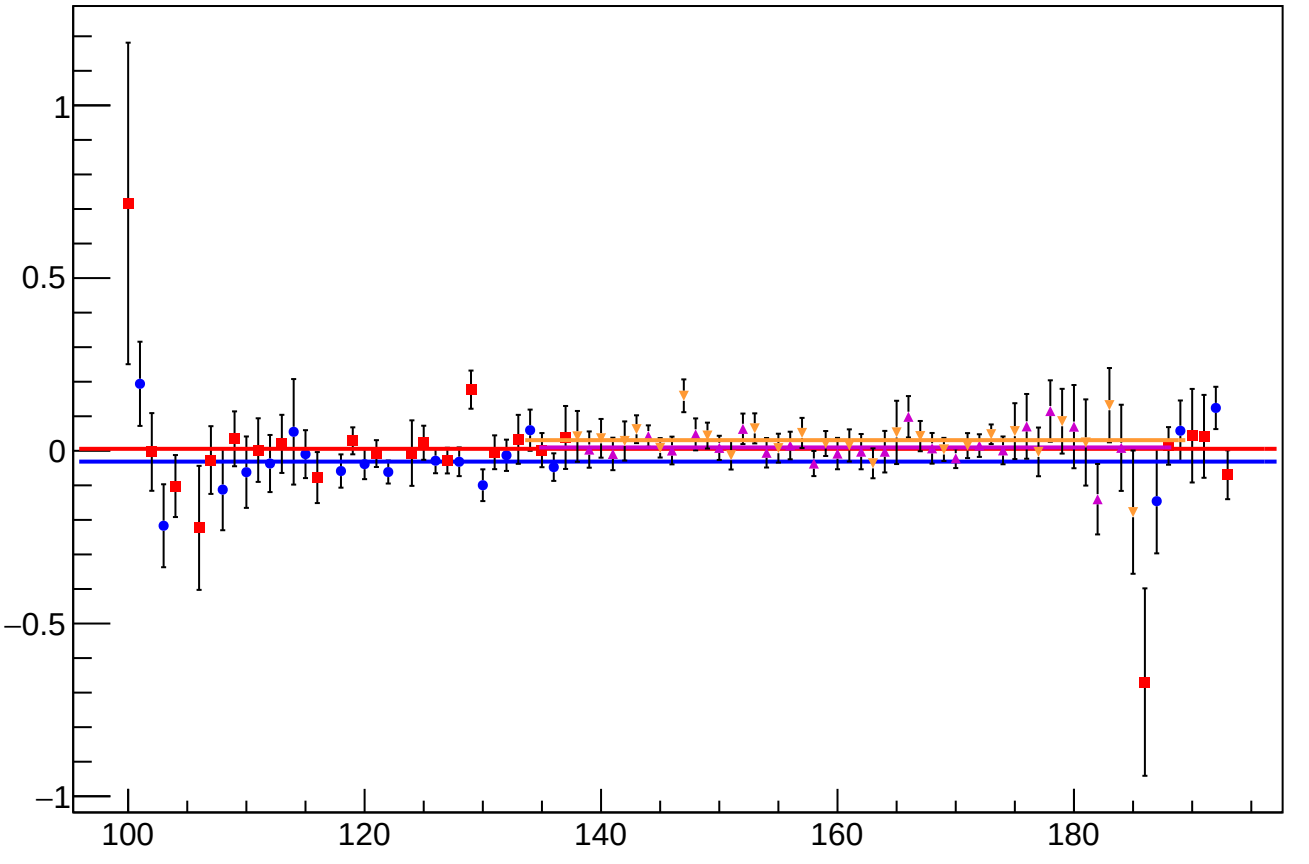
Right Out: 38.149+/-0.009 χ^2/NDF: 2912034.5/23

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 35.966+/-0.005 χ^2/NDF: 7110904.0/43

All: 36.691+/-0.004 χ^2/NDF: 13083203.0/90

- sign 37.466+/-0.005 χ^2/NDF: 5932692.4/46



Right In: -0.031+/-0.013 χ^2/NDF: 20.9/18

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

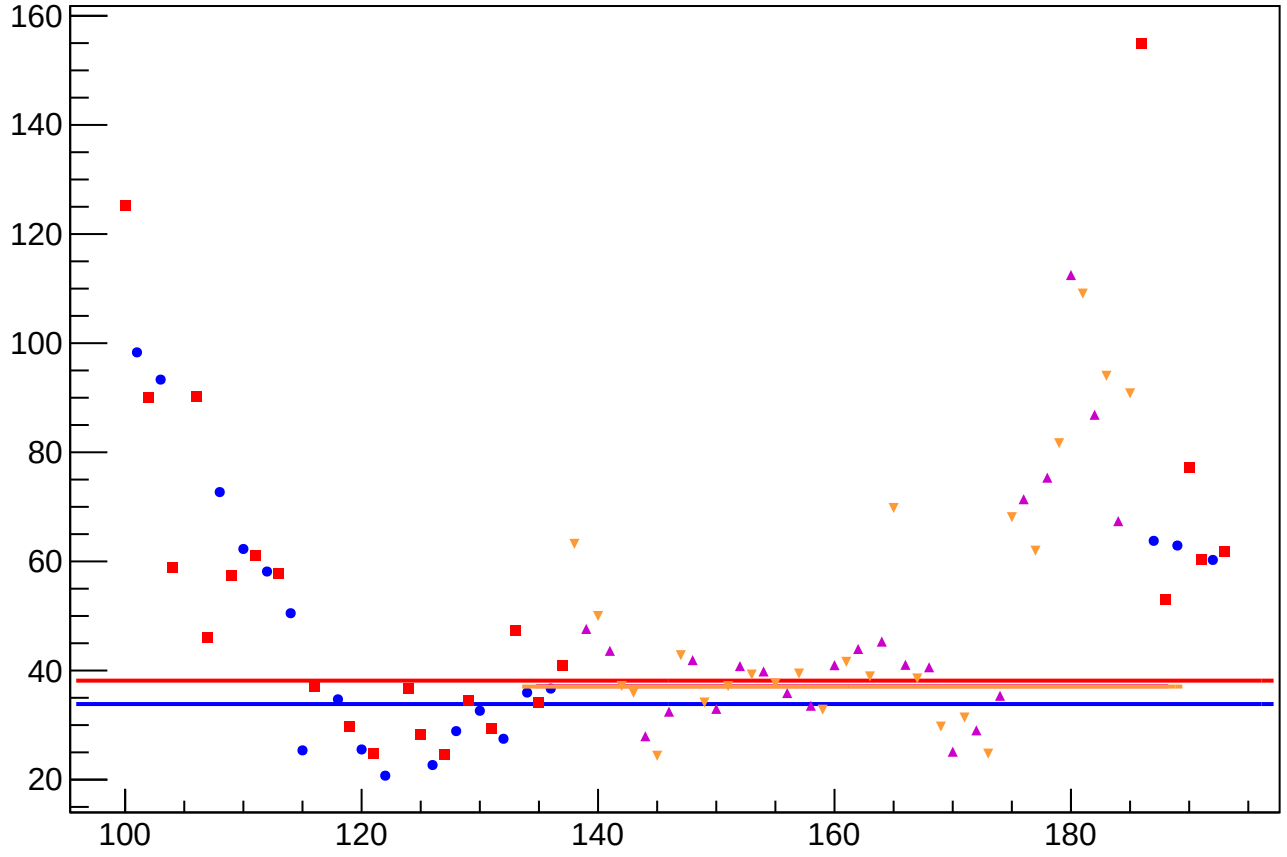
Right Out: 0.006+/-0.013 χ^2/NDF: 25.9/23

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 54.5/43

All: 0.009+/-0.005 χ^2/NDF: 93.6/90

- sign 0.008+/-0.008 χ^2/NDF: 39.2/46



Right In: 33.857+/-0.009 χ^2/NDF: 2973333.3/18

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

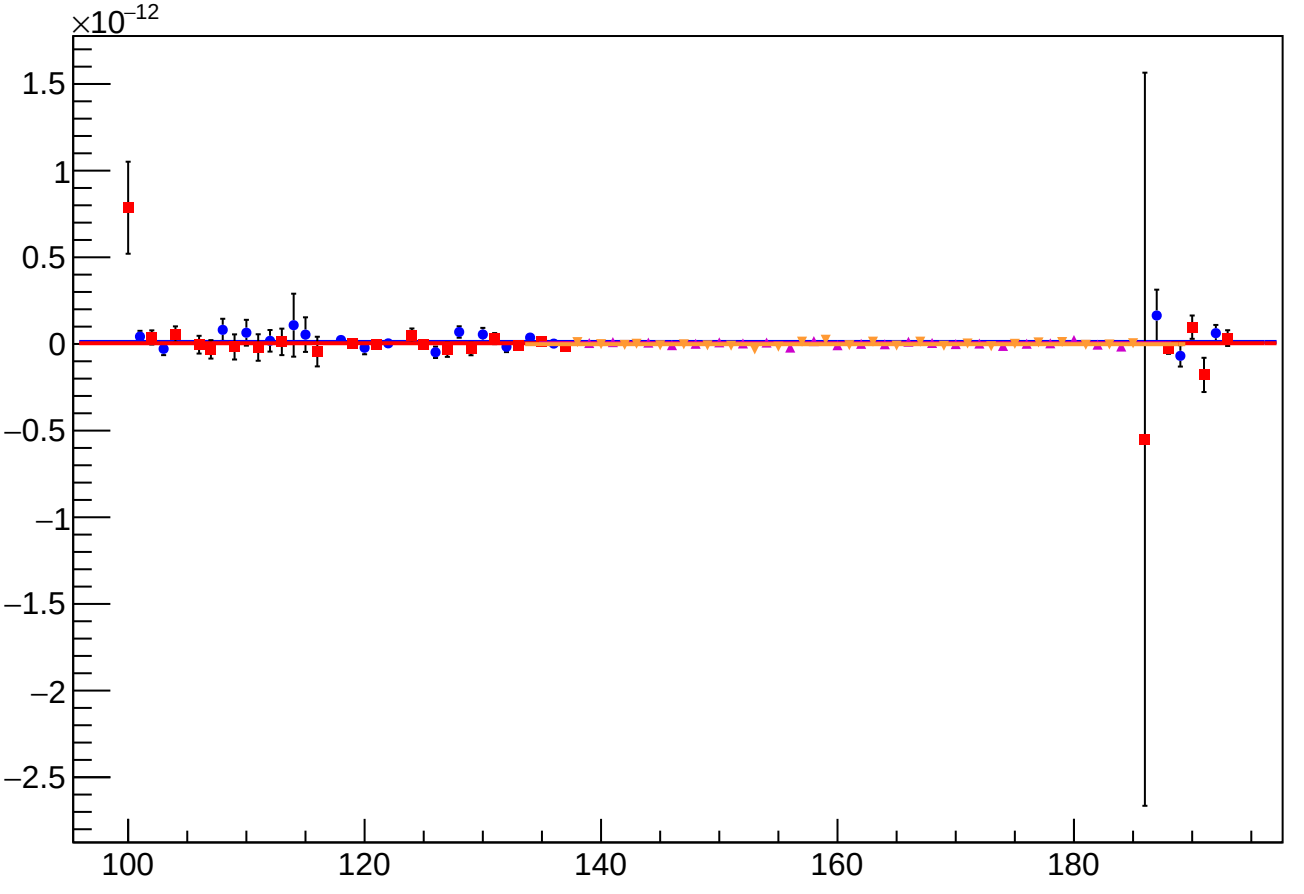
Right Out: 38.149+/-0.009 χ^2/NDF: 2912034.5/23

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 35.966+/-0.005 χ^2/NDF: 7110904.0/43

All: 36.691+/-0.004 χ^2/NDF: 13083203.0/90

- sign 37.466+/-0.005 χ^2/NDF: 5932692.4/46



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

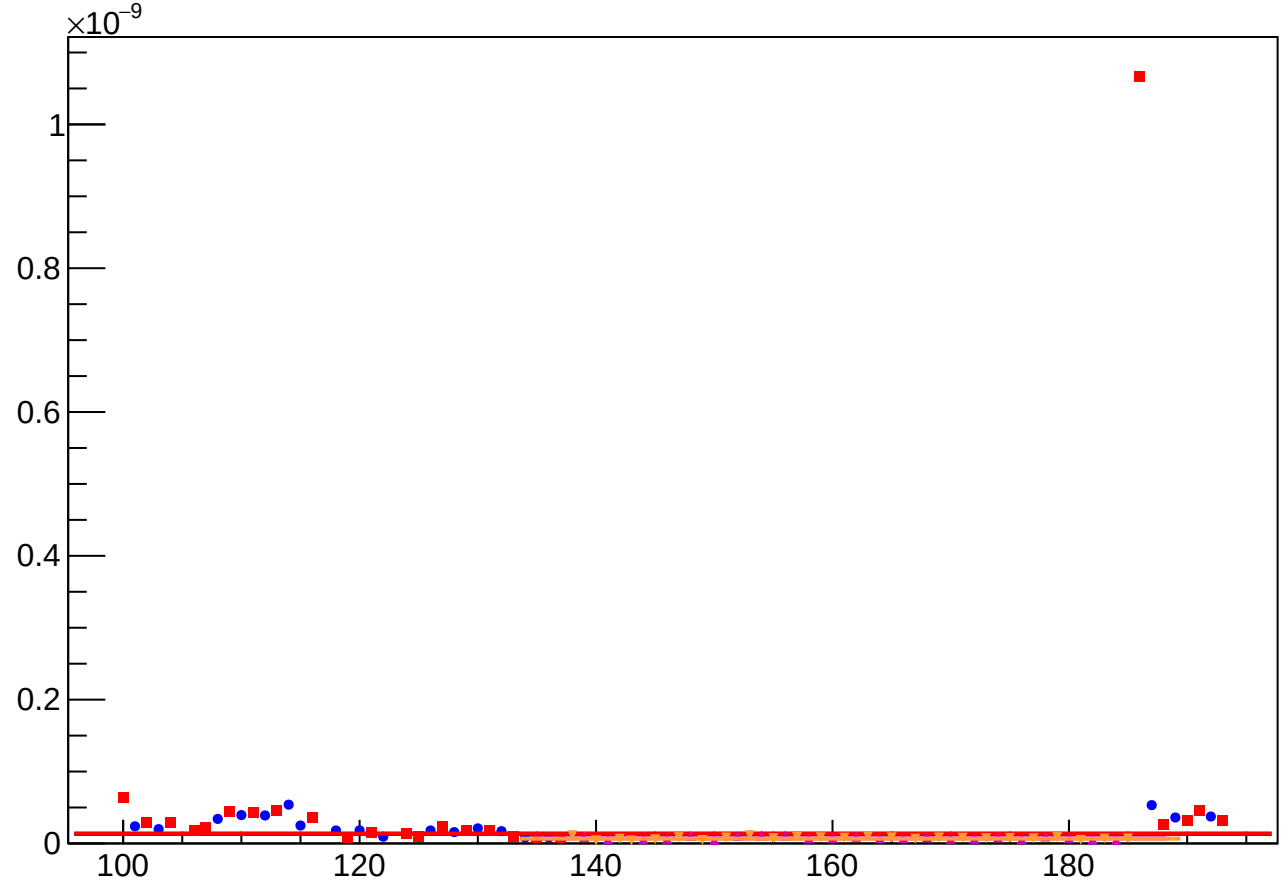
Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/23

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: 96.8/90

- sign 0.000+/-0.000 χ^2/NDF: 44.6/46



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: 4260206.1/23

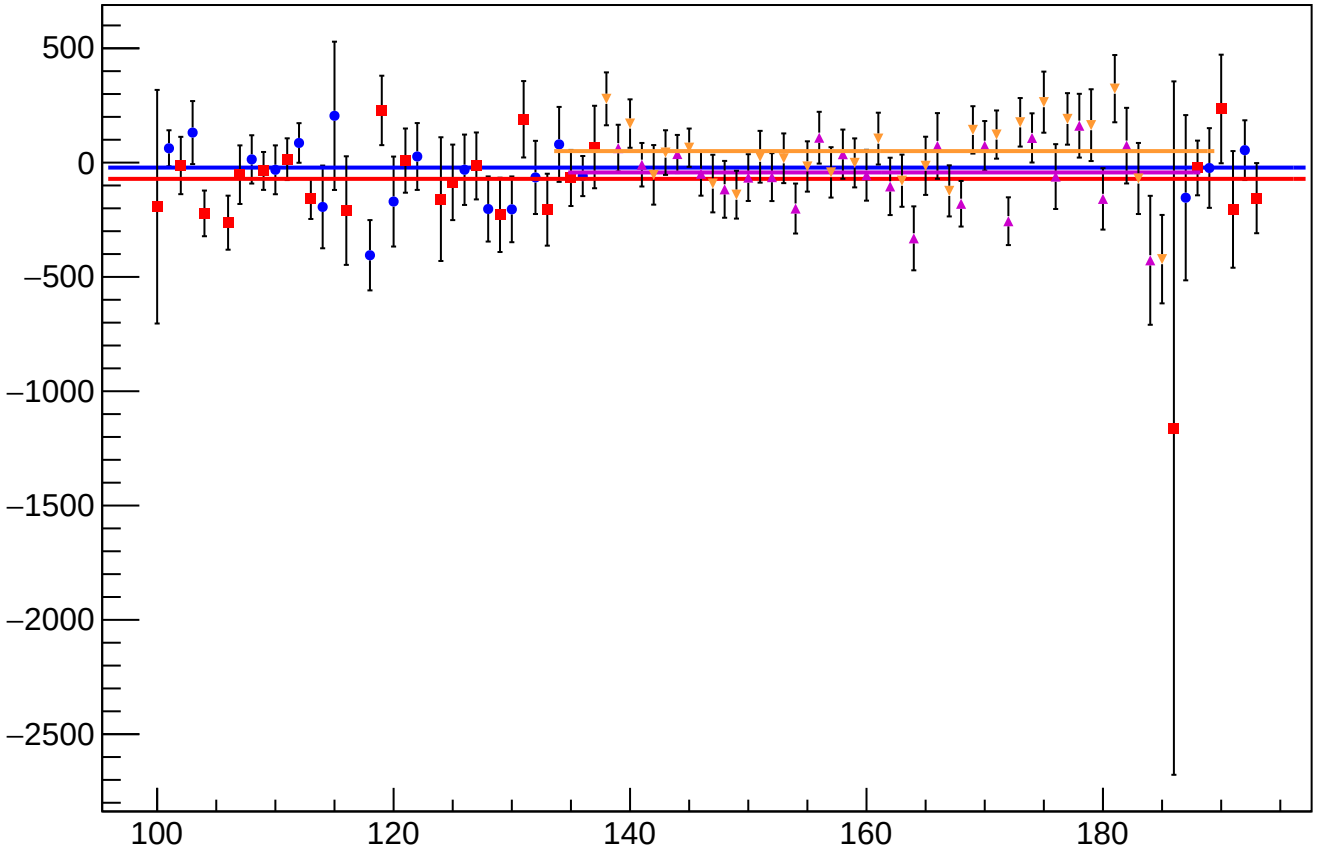
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7097938.1/43

All: 0.000+/-0.000 χ^2/NDF: 14847342.6/90

- sign 0.000+/-0.000 χ^2/NDF: 7684245.9/46

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: -71.092+/-28.151 χ^2/NDF: 19.7/23

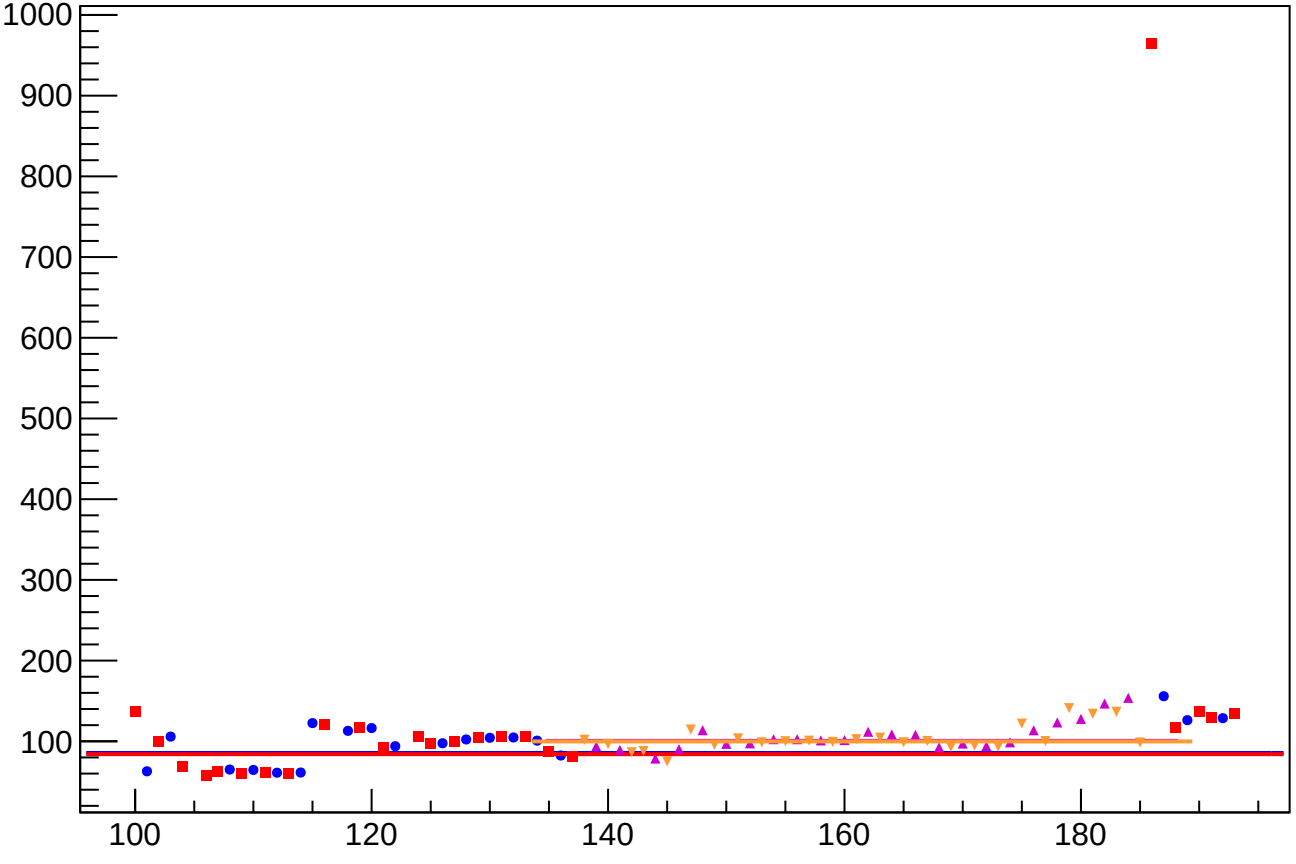
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.494+/-18.191 χ^2/NDF: 53.8/43

All: -15.679+/-12.851 χ^2/NDF: 110.0/90

- sign -54.700+/-18.156 χ^2/NDF: 46.9/46

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: 84.046+/-0.020 χ^2/NDF: 2203688.1/23

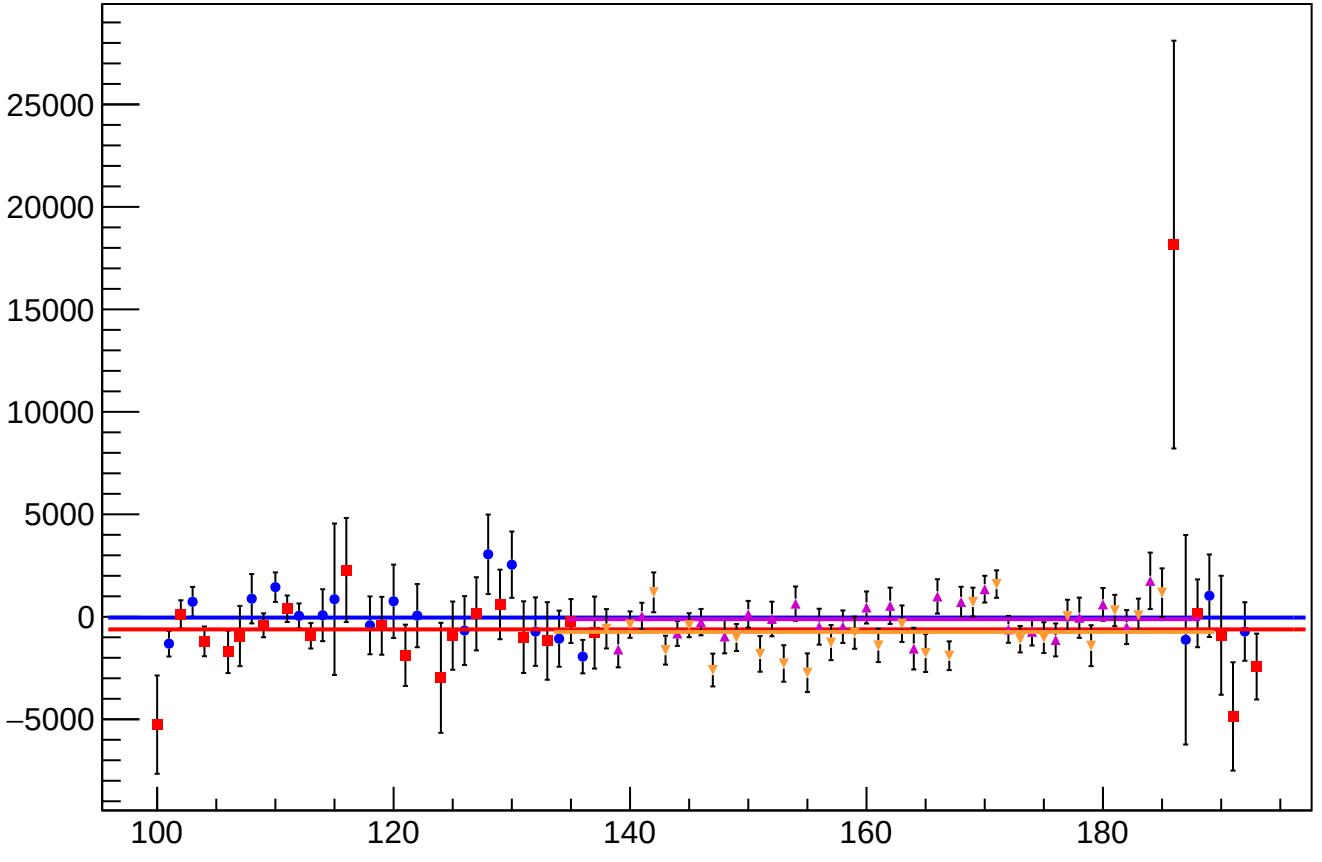
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 94.505+/-0.013 χ^2/NDF: 2216277.9/43

All: 94.079+/-0.009 χ^2/NDF: 5477947.7/90

- sign 93.654+/-0.013 χ^2/NDF: 3259476.6/46

asym_sam_1548_avg_reg_correction_mean vs Slug



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: -614.187+/-231.838 χ^2/NDF: 21.0/23

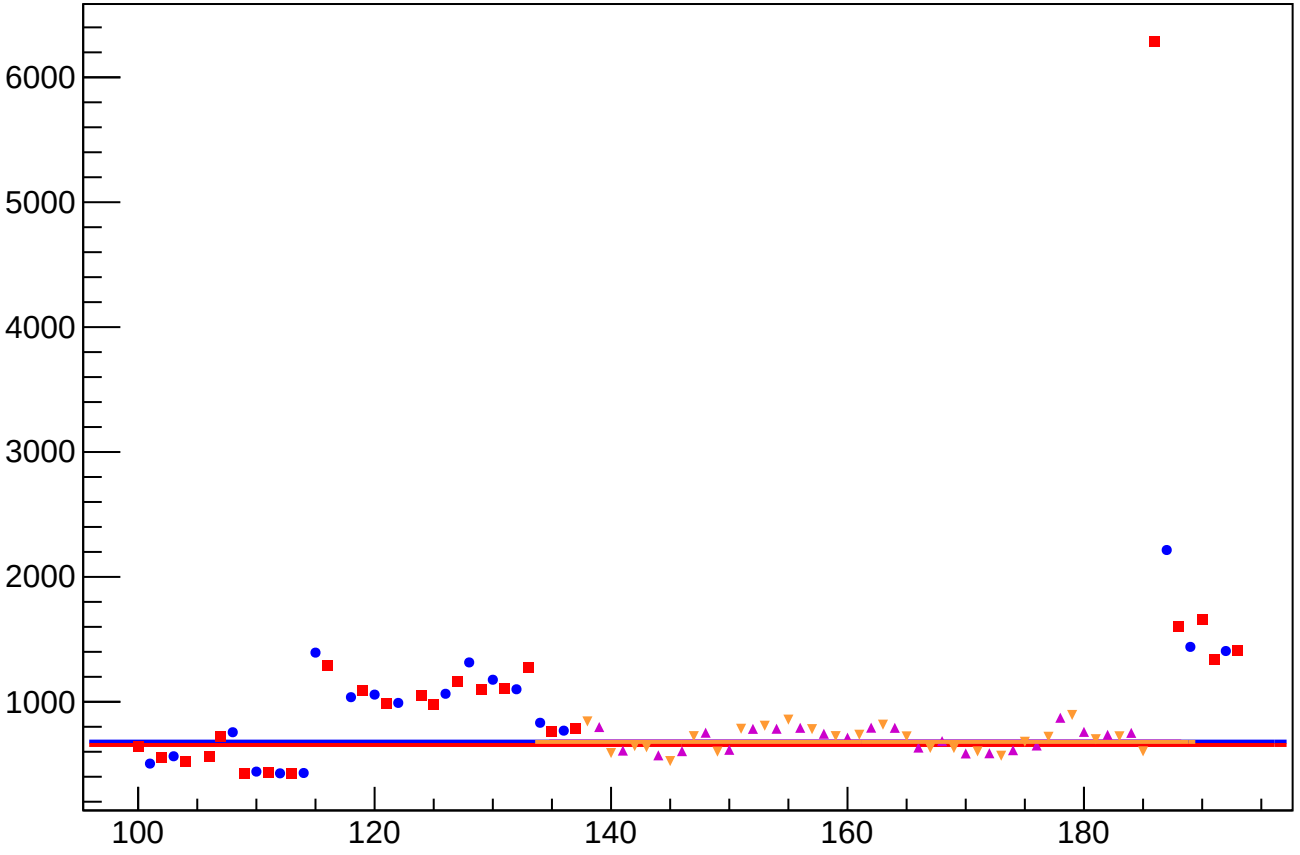
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -542.219+/-132.635 χ^2/NDF: 77.7/43

All: -409.625+/-93.645 χ^2/NDF: 127.6/90

- sign -277.831+/-132.235 χ^2/NDF: 47.8/46

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: 654.454+/-0.164 χ^2/NDF: 4272029.7/23

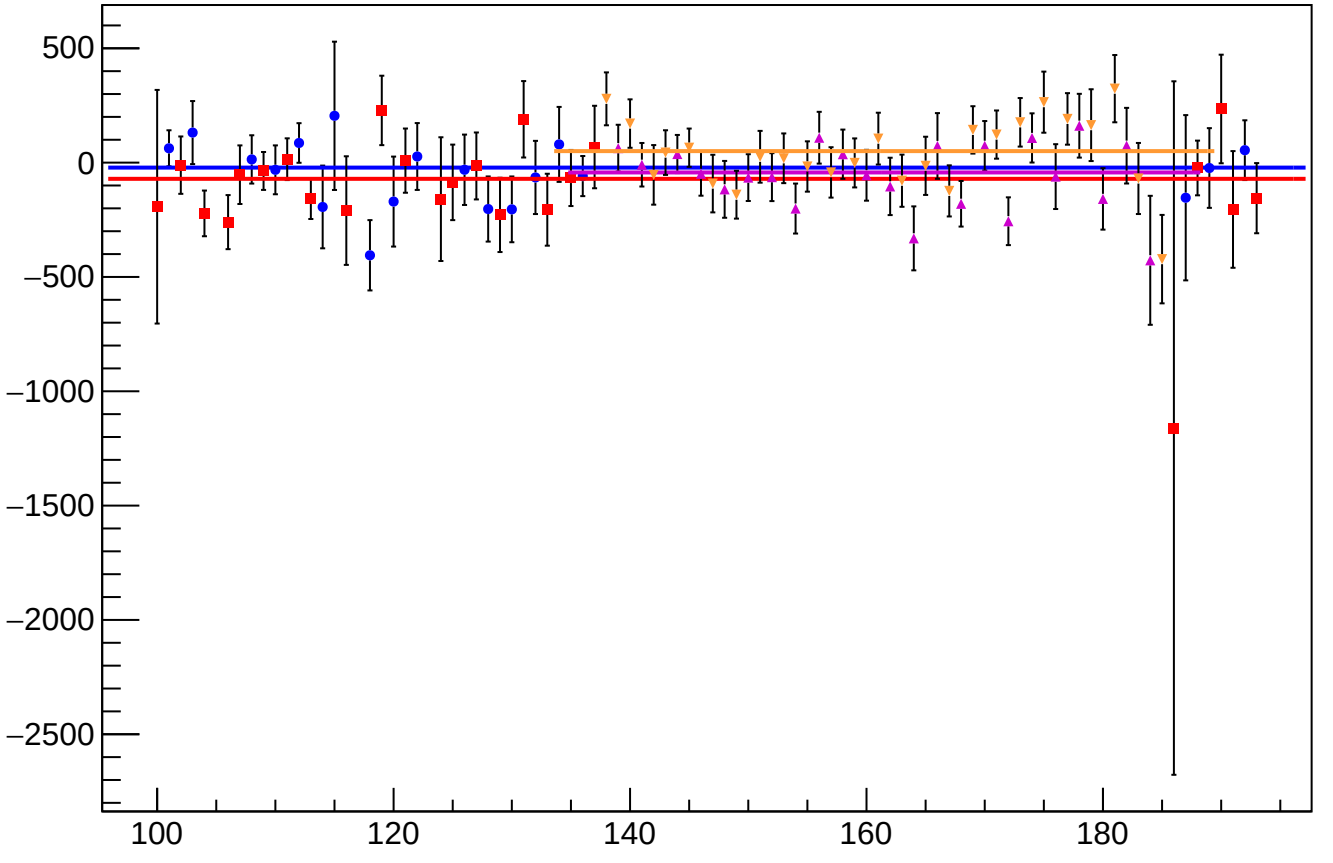
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 679.728+/-0.094 χ^2/NDF: 3640243.2/43

All: 676.337+/-0.066 χ^2/NDF: 8507593.7/90

- sign 672.966+/-0.094 χ^2/NDF: 4864743.9/46

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: -70.857+/-28.153 χ^2/NDF: 19.6/23

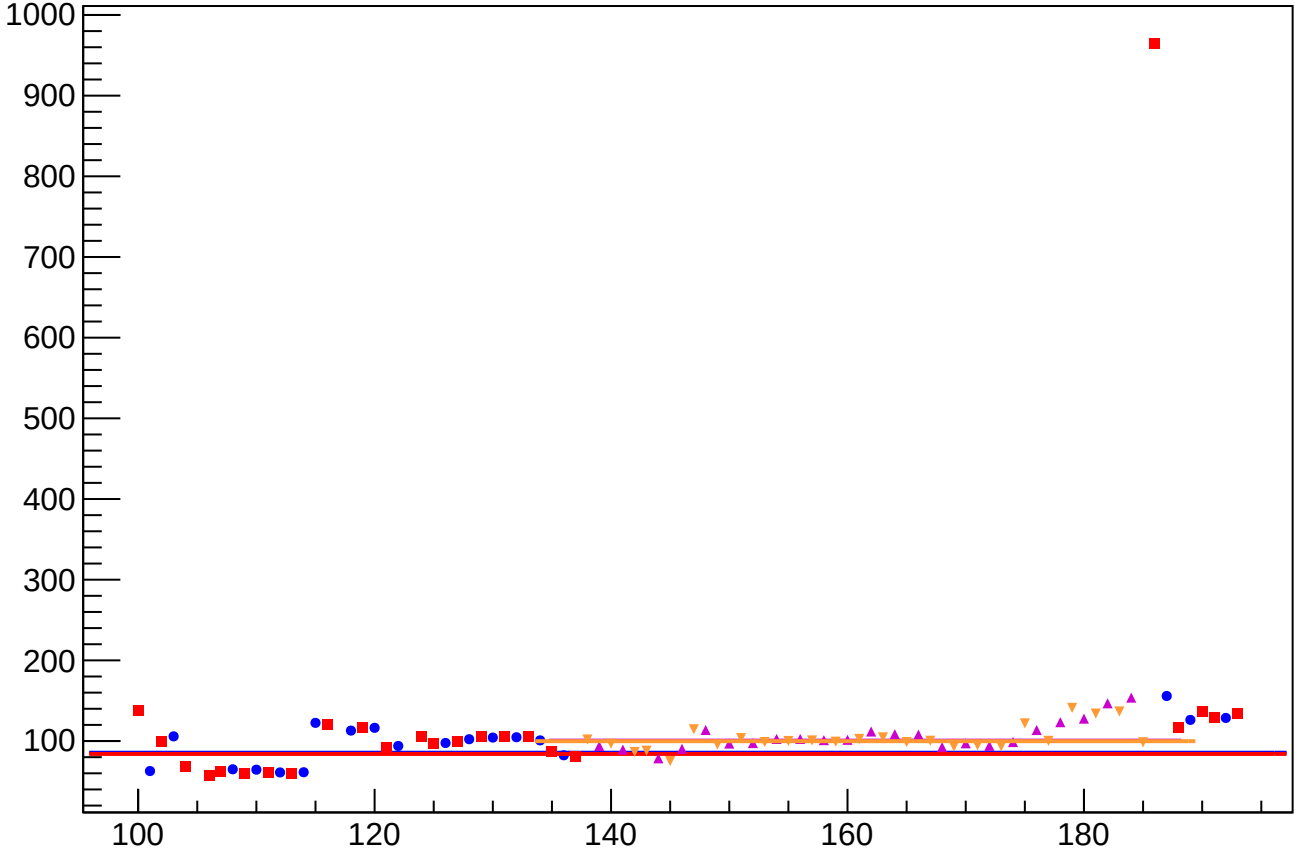
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.498+/-18.191 χ^2/NDF: 53.8/43

All: -15.626+/-12.851 χ^2/NDF: 109.9/90

- sign -54.602+/-18.157 χ^2/NDF: 46.8/46

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: 84.030+/-0.020 χ^2/NDF: 2206296.0/23

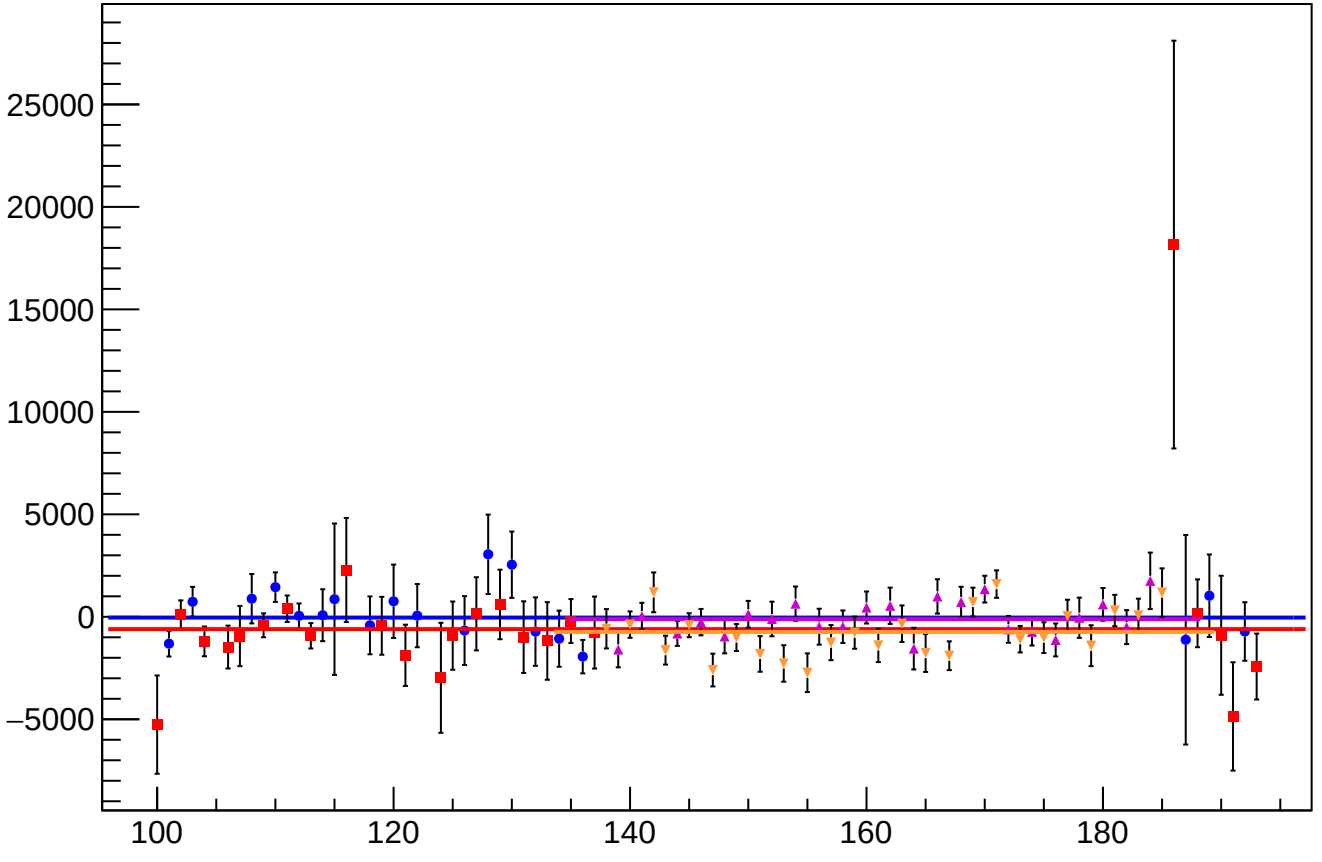
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 94.505+/-0.013 χ^2/NDF: 2216279.2/43

All: 94.076+/-0.009 χ^2/NDF: 5481333.1/90

- sign 93.648+/-0.013 χ^2/NDF: 3262828.8/46

asym_sam_1548_avg_cor_correction_mean vs Slug



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: -602.015+/-231.974 χ^2/NDF: 20.5/23

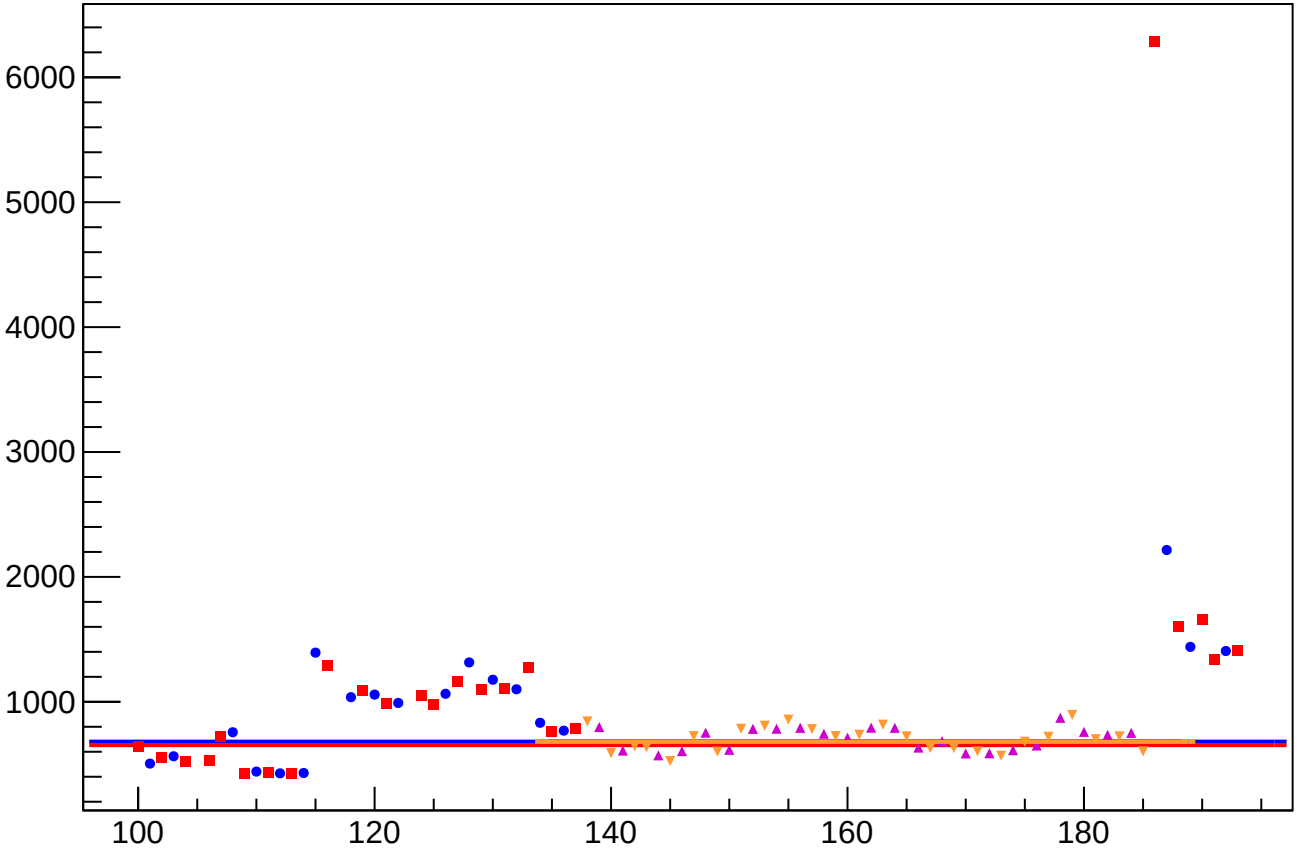
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -542.221+/-132.636 χ^2/NDF: 77.7/43

All: -407.602+/-93.654 χ^2/NDF: 127.0/90

- sign -273.746+/-132.260 χ^2/NDF: 47.2/46

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: 652.929+/-0.164 χ^2/NDF: 4284956.2/23

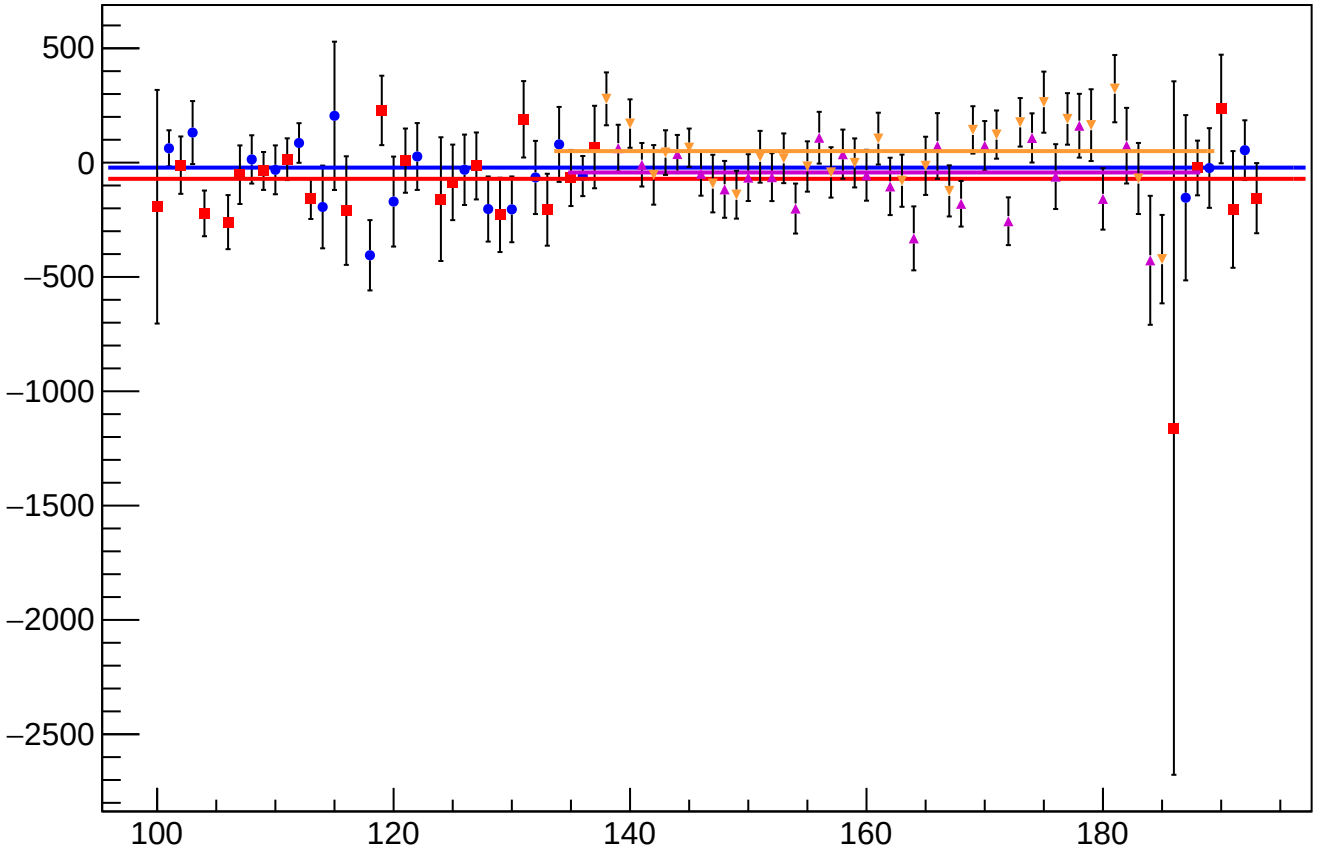
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 679.730+/-0.094 χ^2/NDF: 3640180.2/43

All: 676.094+/-0.066 χ^2/NDF: 8522993.3/90

- sign 672.478+/-0.094 χ^2/NDF: 4879814.5/46

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: -70.857+/-28.153 χ^2/NDF: 19.6/23

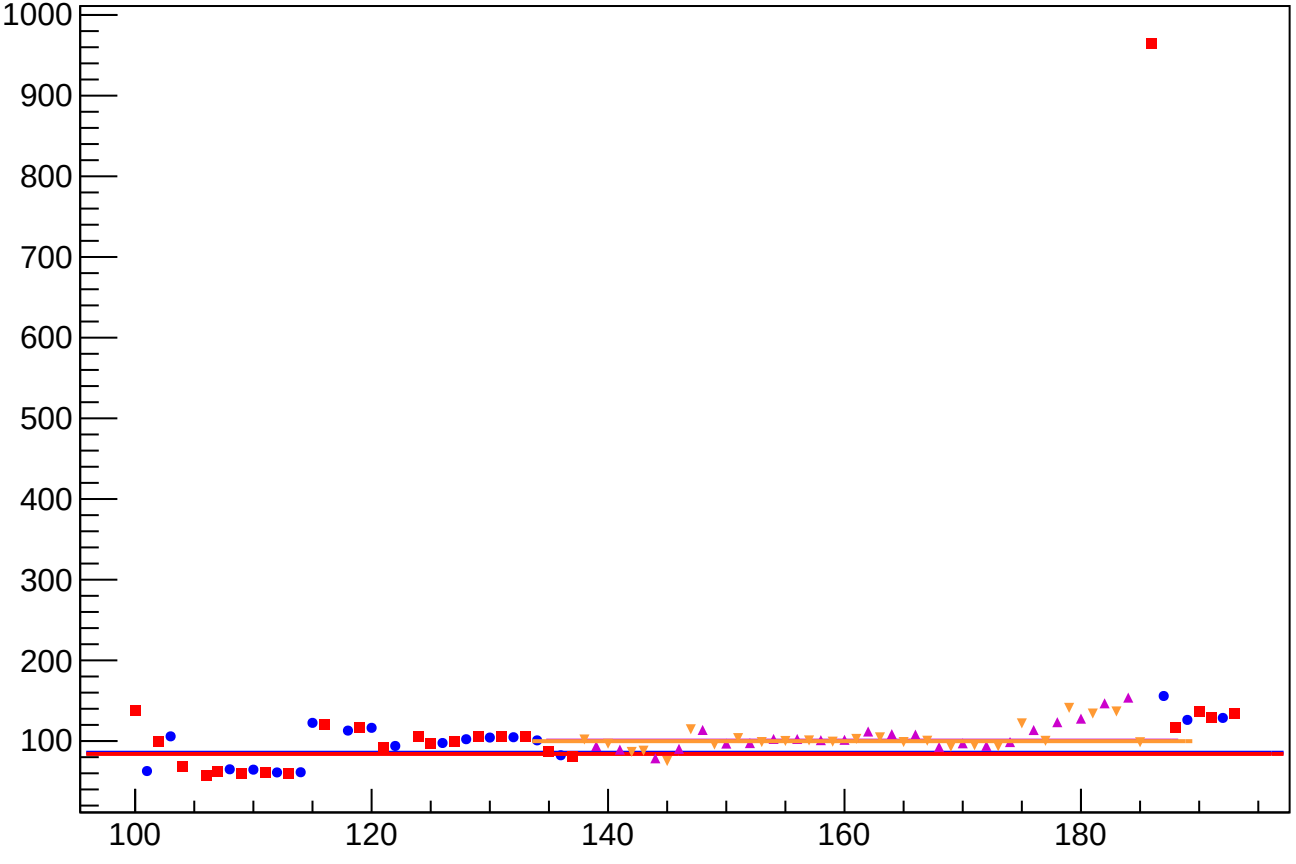
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.498+/-18.191 χ^2/NDF: 53.8/43

All: -15.626+/-12.851 χ^2/NDF: 109.9/90

- sign -54.602+/-18.157 χ^2/NDF: 46.8/46

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

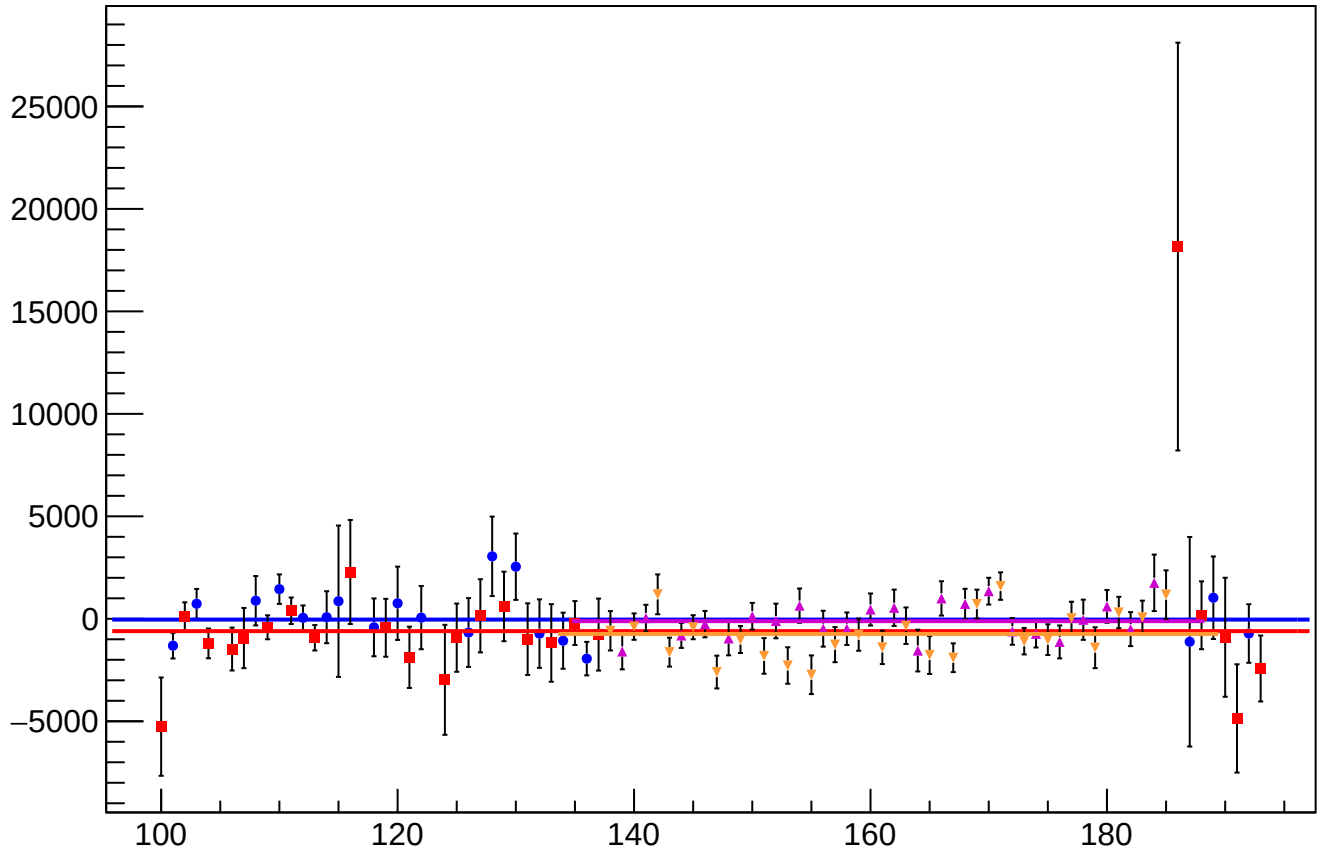
Right Out: 84.030+/-0.020 χ^2/NDF: 2206296.0/23

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 94.505+/-0.013 χ^2/NDF: 2216279.2/43

All: 94.076+/-0.009 χ^2/NDF: 5481333.1/90

- sign 93.648+/-0.013 χ^2/NDF: 3262828.8/46



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: -602.015+/-231.974 χ^2/NDF: 20.5/23

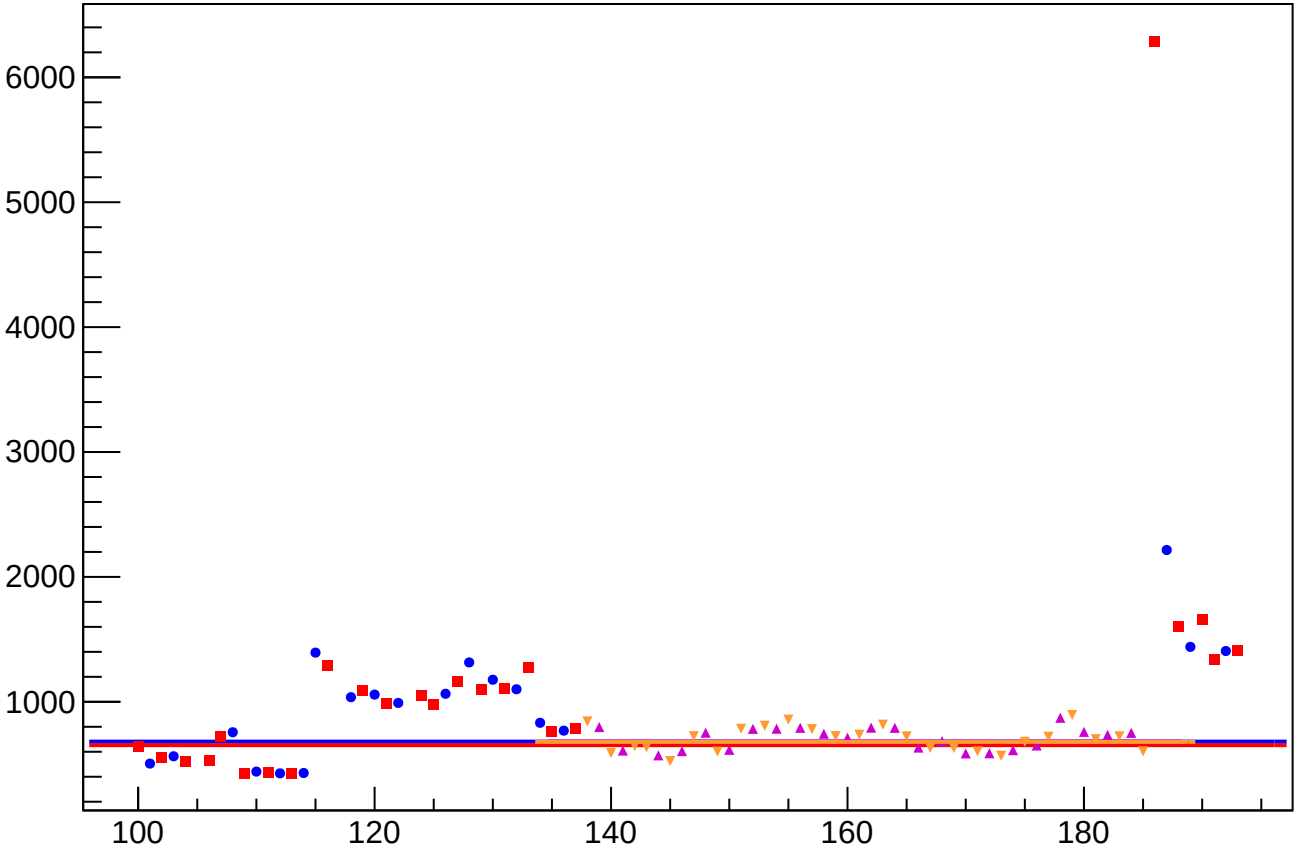
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -542.221+/-132.636 χ^2/NDF: 77.7/43

All: -407.602+/-93.654 χ^2/NDF: 127.0/90

- sign -273.746+/-132.260 χ^2/NDF: 47.2/46

asym_sam_1548_avg_eigen_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: 652.929+/-0.164 χ^2/NDF: 4284956.2/23

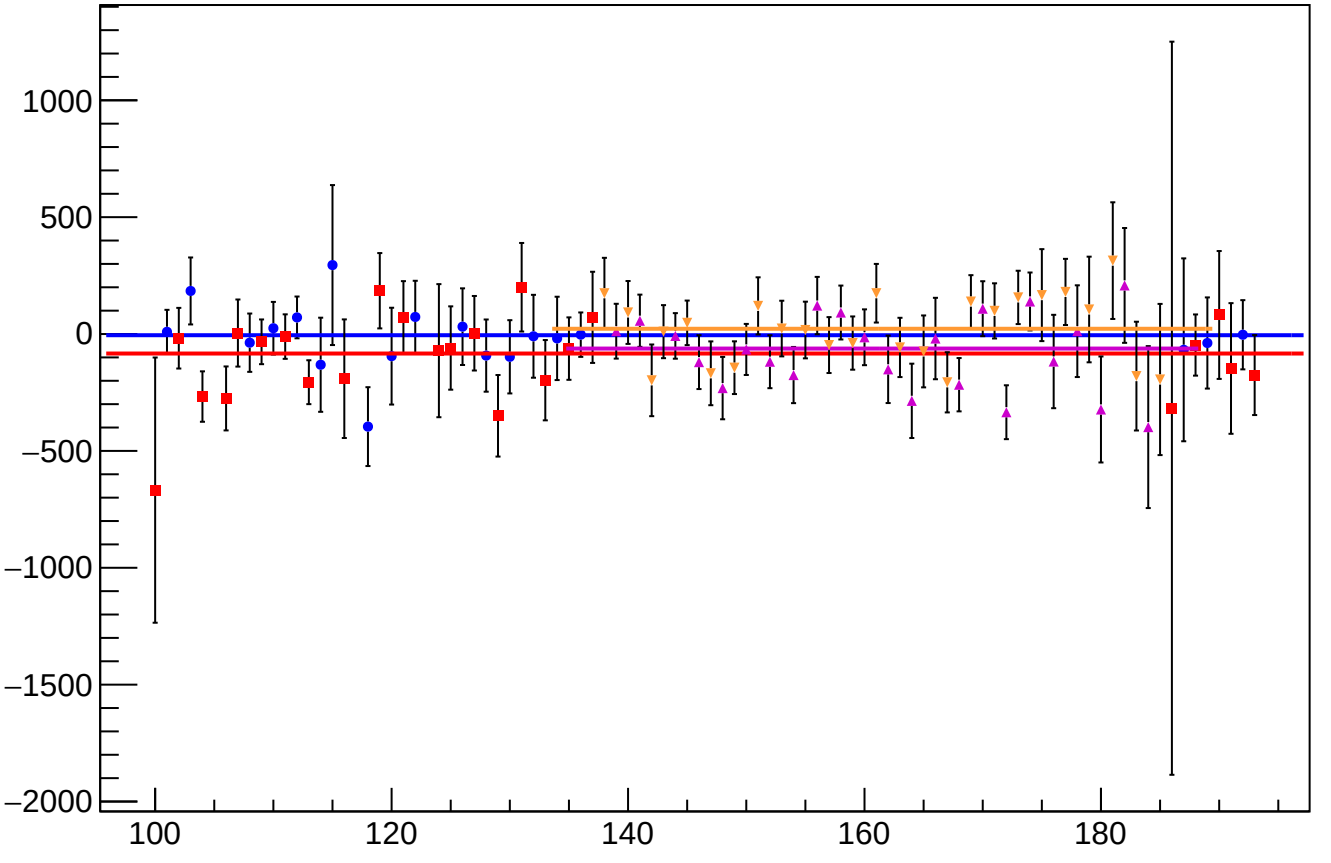
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 679.730+/-0.094 χ^2/NDF: 3640180.2/43

All: 676.094+/-0.066 χ^2/NDF: 8522993.3/90

- sign 672.478+/-0.094 χ^2/NDF: 4879814.5/46

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: -83.393+/-30.741 χ^2/NDF: 19.9/23

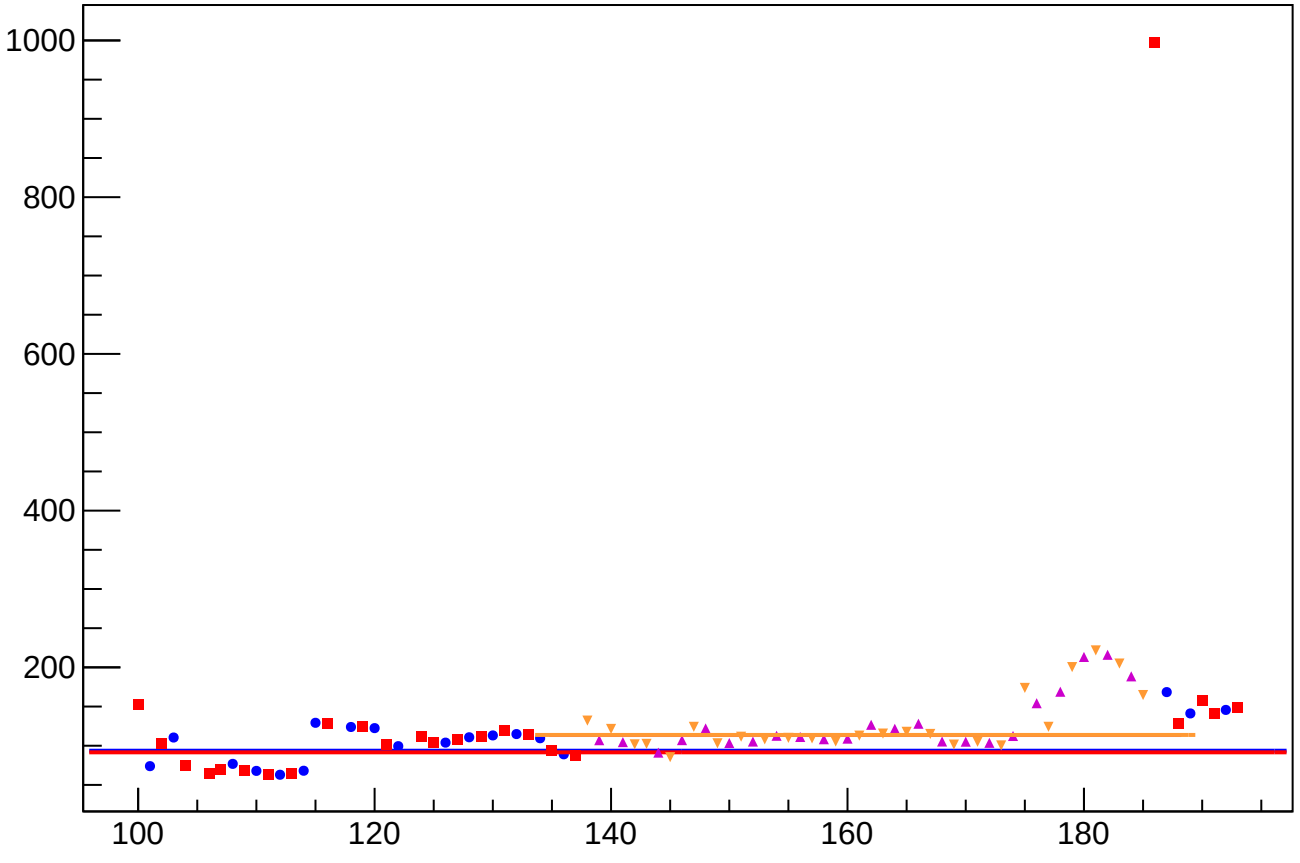
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 11.537+/-20.652 χ^2/NDF: 32.4/43

All: -30.454+/-14.524 χ^2/NDF: 88.0/90

- sign -71.542+/-20.429 χ^2/NDF: 47.5/46

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: 91.583+/-0.022 χ^2/NDF: 2186932.7/23

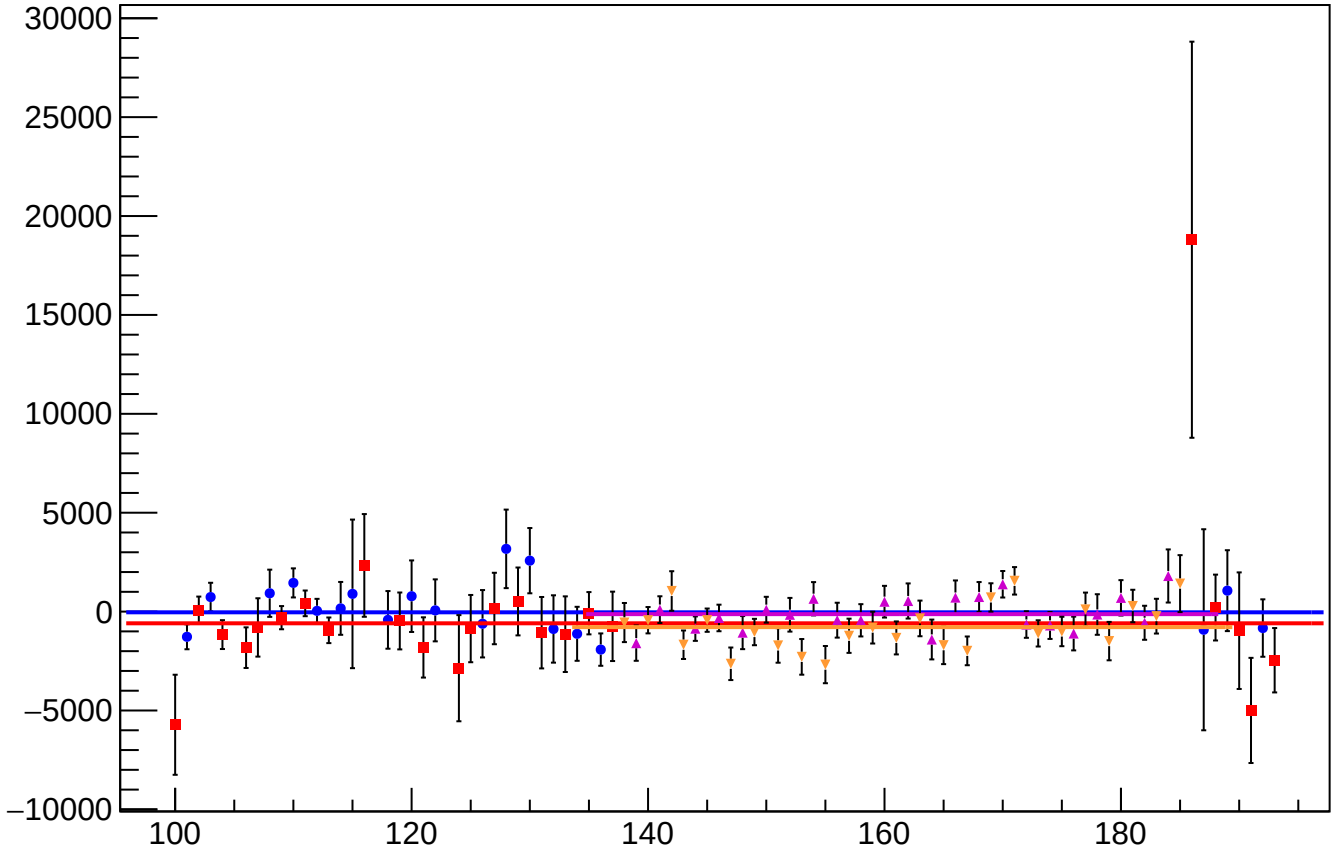
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 105.723+/-0.015 χ^2/NDF: 3240526.2/43

All: 104.812+/-0.010 χ^2/NDF: 7328021.4/90

- sign 103.920+/-0.014 χ^2/NDF: 4079791.7/46

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: -591.467+/-234.479 χ^2/NDF: 21.7/23

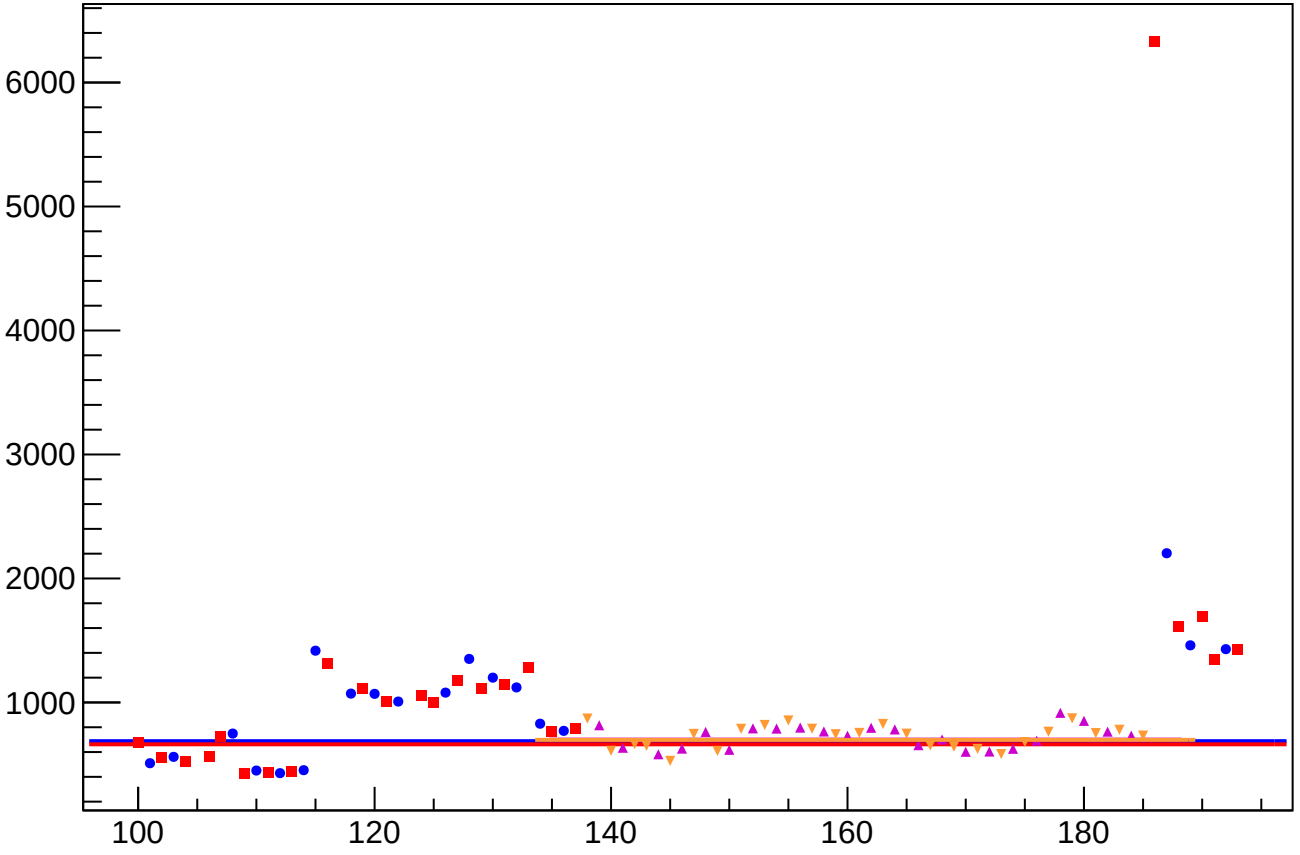
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -569.640+/-135.529 χ^2/NDF: 73.8/43

All: -425.297+/-95.674 χ^2/NDF: 123.2/90

- sign -281.913+/-135.079 χ^2/NDF: 47.1/46

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: 662.539+/-0.166 χ^2/NDF: 4273960.4/23

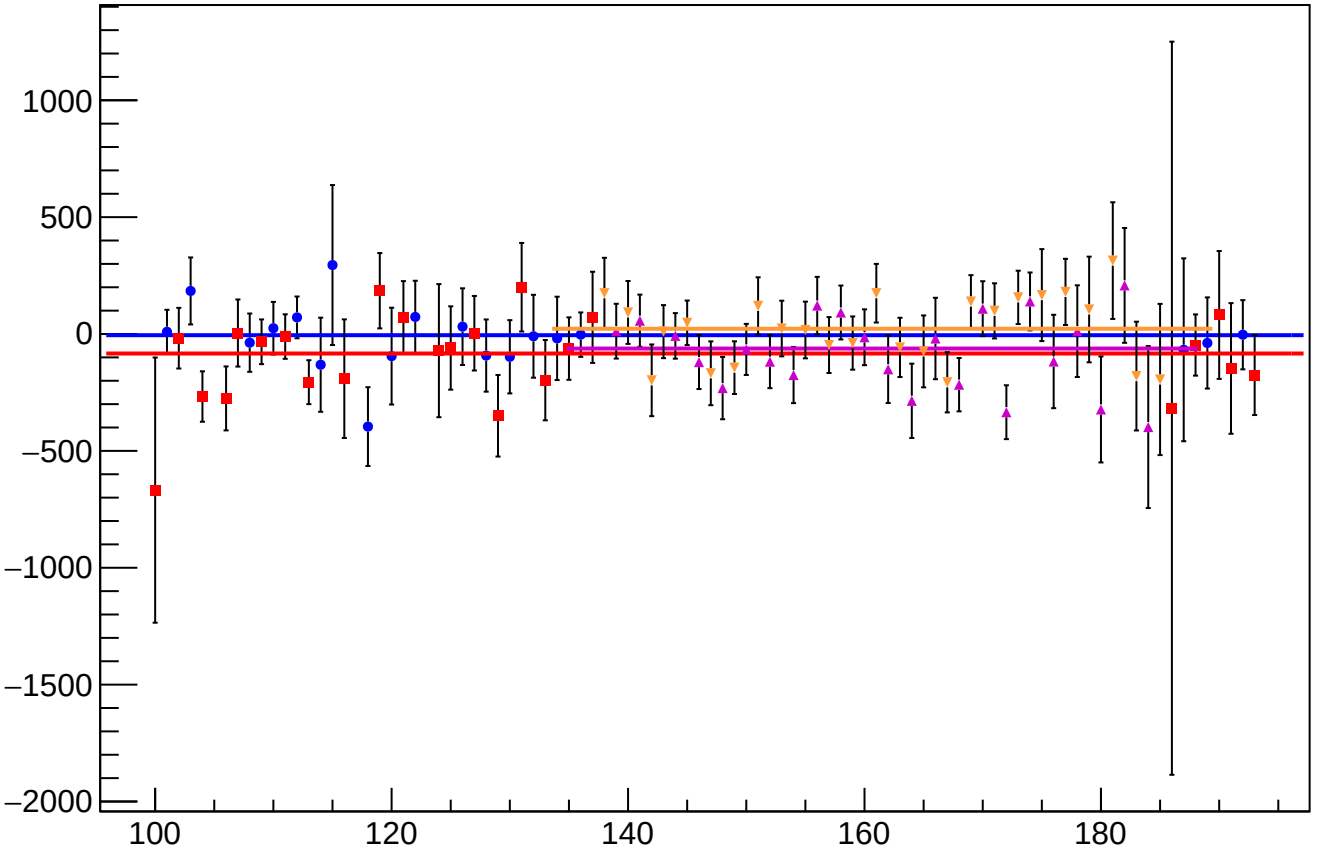
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 695.222+/-0.096 χ^2/NDF: 3639150.1/43

All: 691.409+/-0.068 χ^2/NDF: 8534837.0/90

- sign 687.621+/-0.096 χ^2/NDF: 4892530.7/46

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: -83.392+/-30.741 χ^2/NDF: 19.9/23

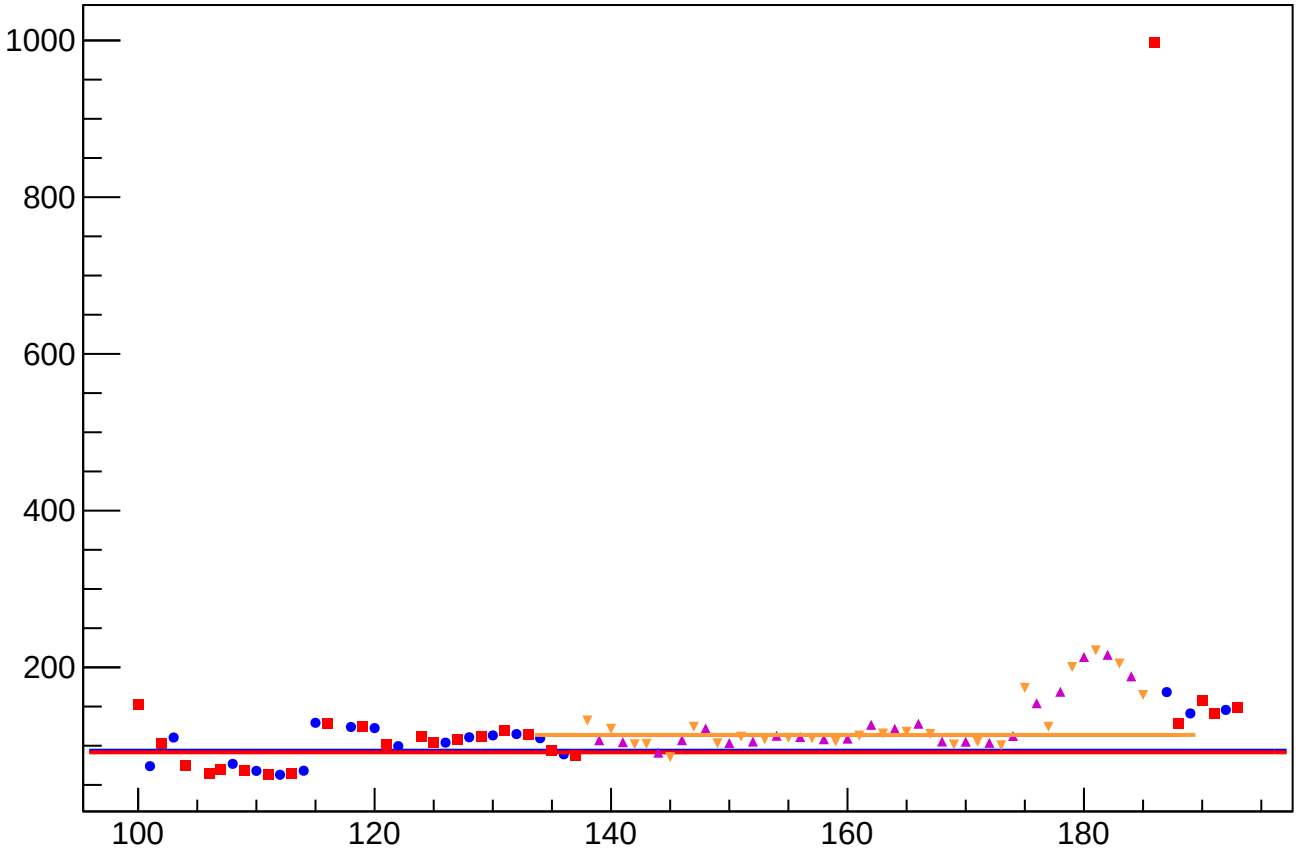
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 11.538+/-20.652 χ^2/NDF: 32.4/43

All: -30.454+/-14.524 χ^2/NDF: 88.0/90

- sign -71.542+/-20.429 χ^2/NDF: 47.5/46

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

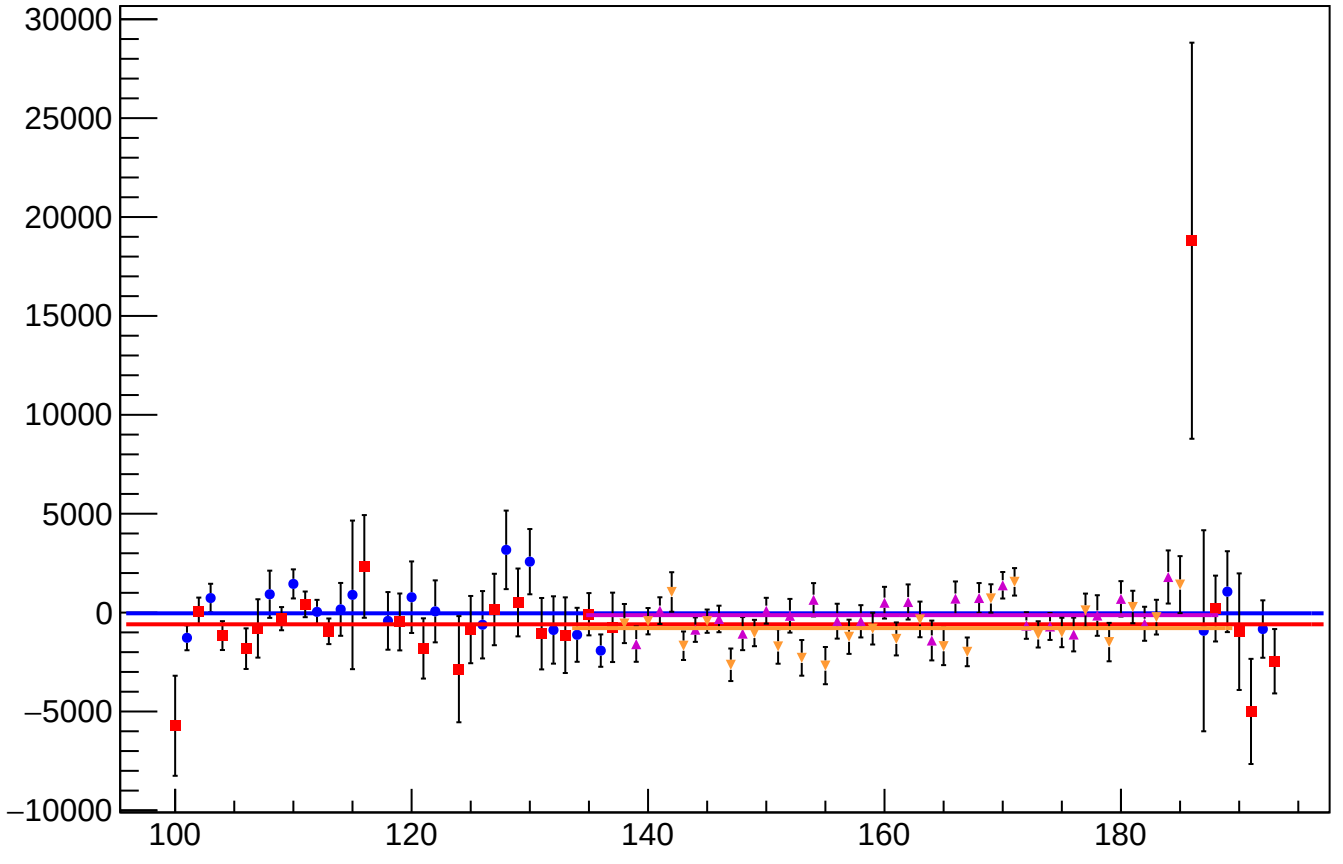
Right Out: 91.583+/-0.022 χ^2/NDF: 2186933.1/23

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 105.723+/-0.015 χ^2/NDF: 3240519.8/43

All: 104.812+/-0.010 χ^2/NDF: 7328004.0/90

- sign 103.920+/-0.014 χ^2/NDF: 4079780.9/46



Right In: -35.853+/-253.074 χ^2/NDF: 22.2/18

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

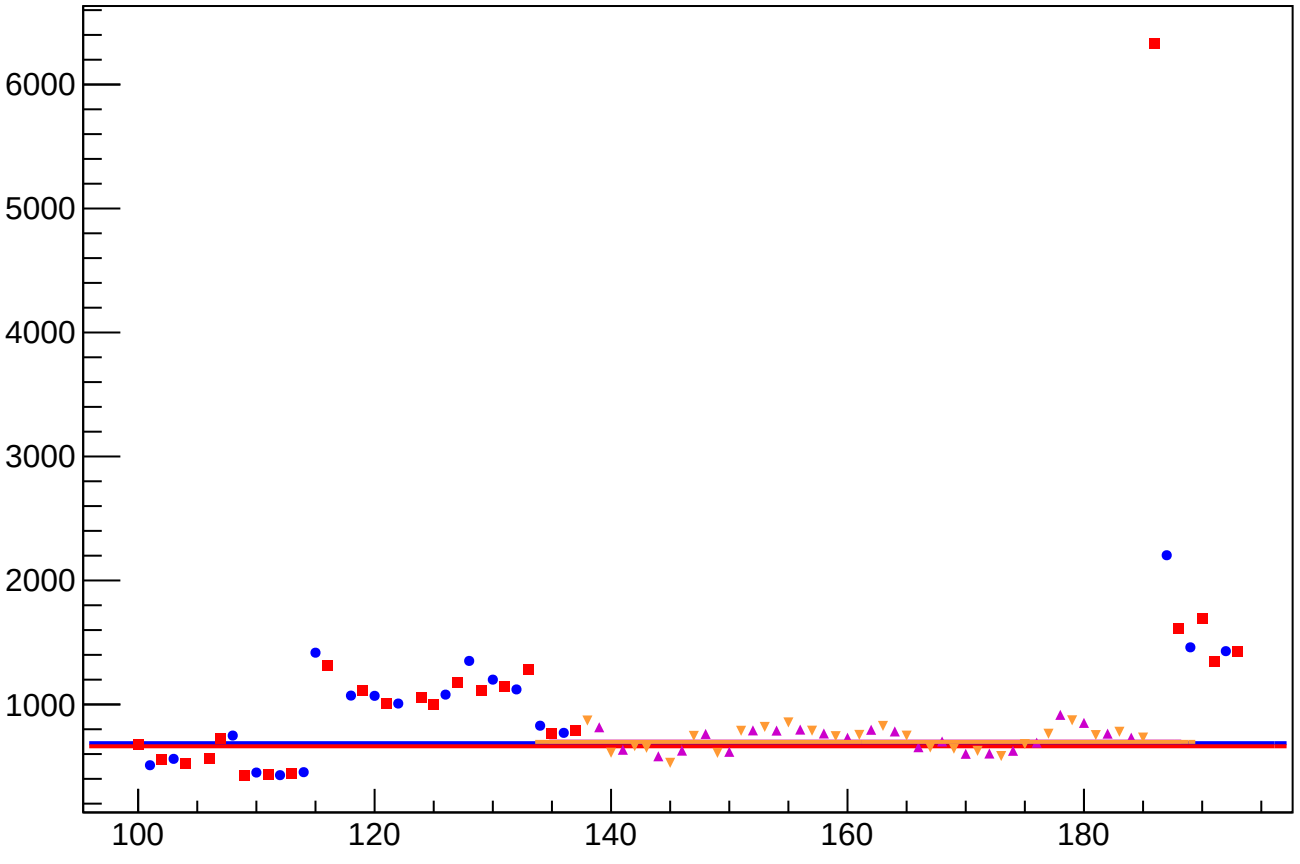
Right Out: -591.466+/-234.479 χ^2/NDF: 21.7/23

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -569.639+/-135.529 χ^2/NDF: 73.8/43

All: -425.296+/-95.674 χ^2/NDF: 123.2/90

- sign -281.912+/-135.078 χ^2/NDF: 47.1/46



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: 662.538+/-0.166 χ^2/NDF: 4273958.6/23

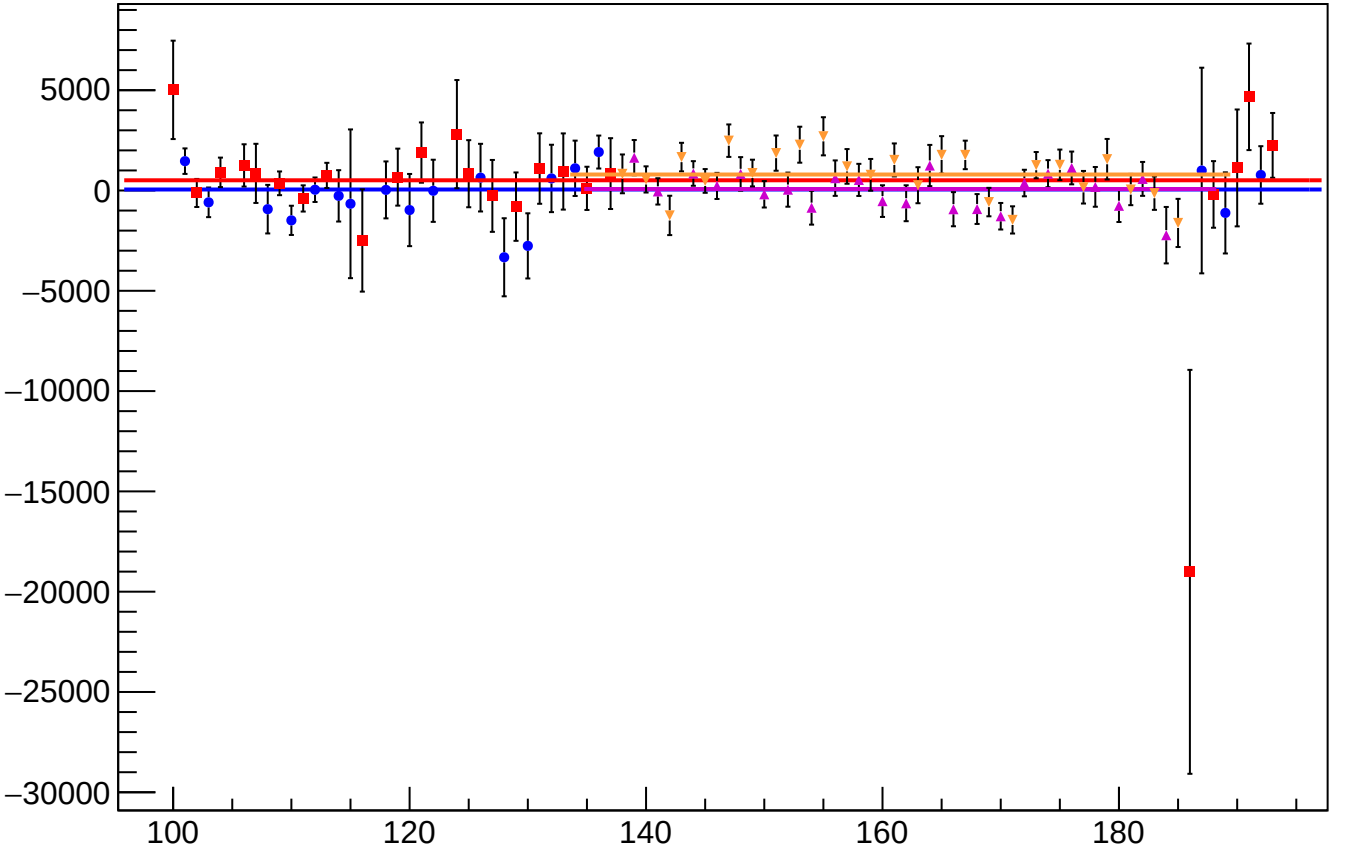
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 695.221+/-0.096 χ^2/NDF: 3639150.7/43

All: 691.408+/-0.068 χ^2/NDF: 8534831.3/90

- sign 687.620+/-0.096 χ^2/NDF: 4892524.5/46

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: 509.347+/-234.300 χ^2/NDF: 18.9/23

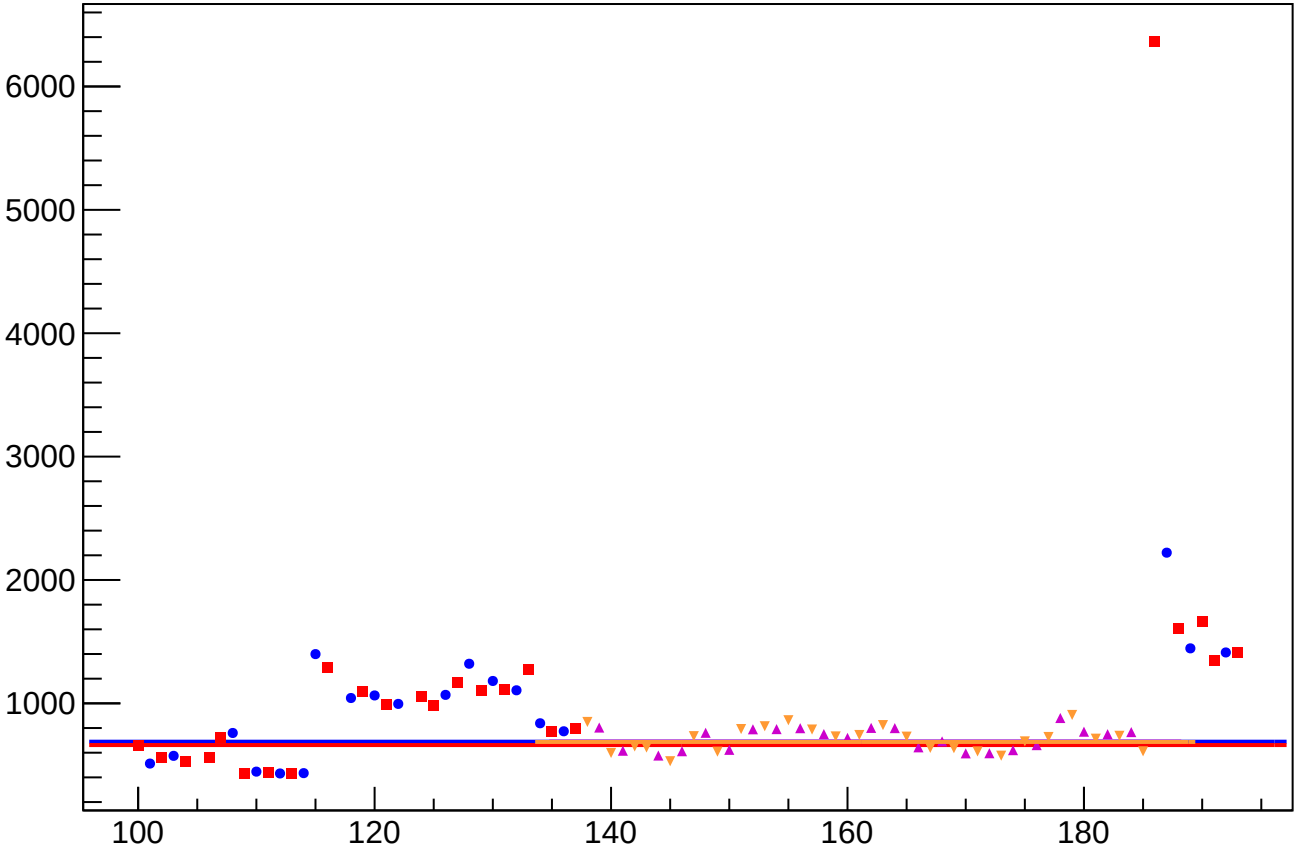
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 587.464+/-134.146 χ^2/NDF: 76.5/43

All: 400.919+/-94.711 χ^2/NDF: 126.5/90

- sign 215.505+/-133.738 χ^2/NDF: 46.1/46

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

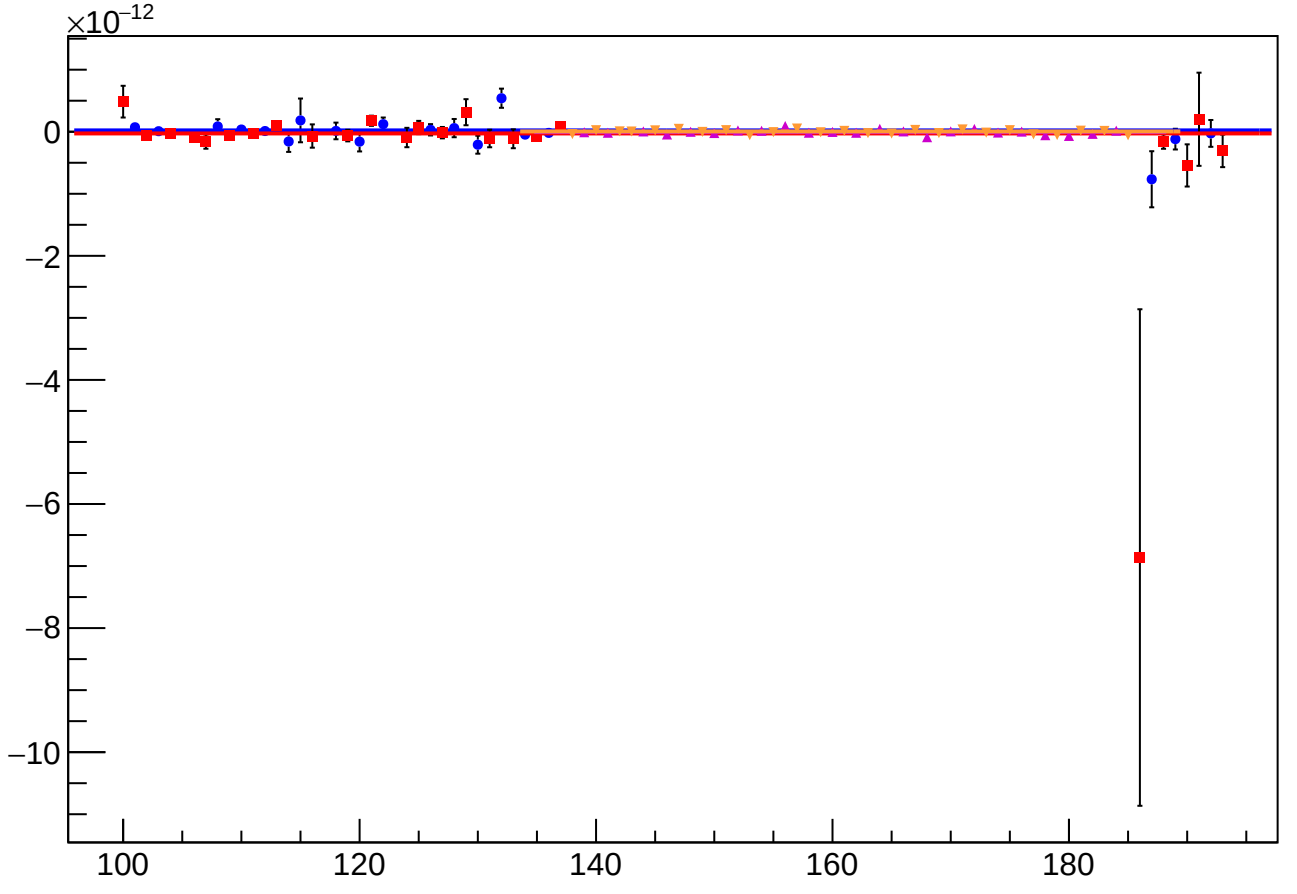
Right Out: 661.954+/-0.166 χ^2/NDF: 4229549.8/23

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 687.807+/-0.095 χ^2/NDF: 3589163.4/43

All: 684.323+/-0.067 χ^2/NDF: 8407807.4/90

- sign 680.860+/-0.095 χ^2/NDF: 4815954.2/46



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: 33.5/23

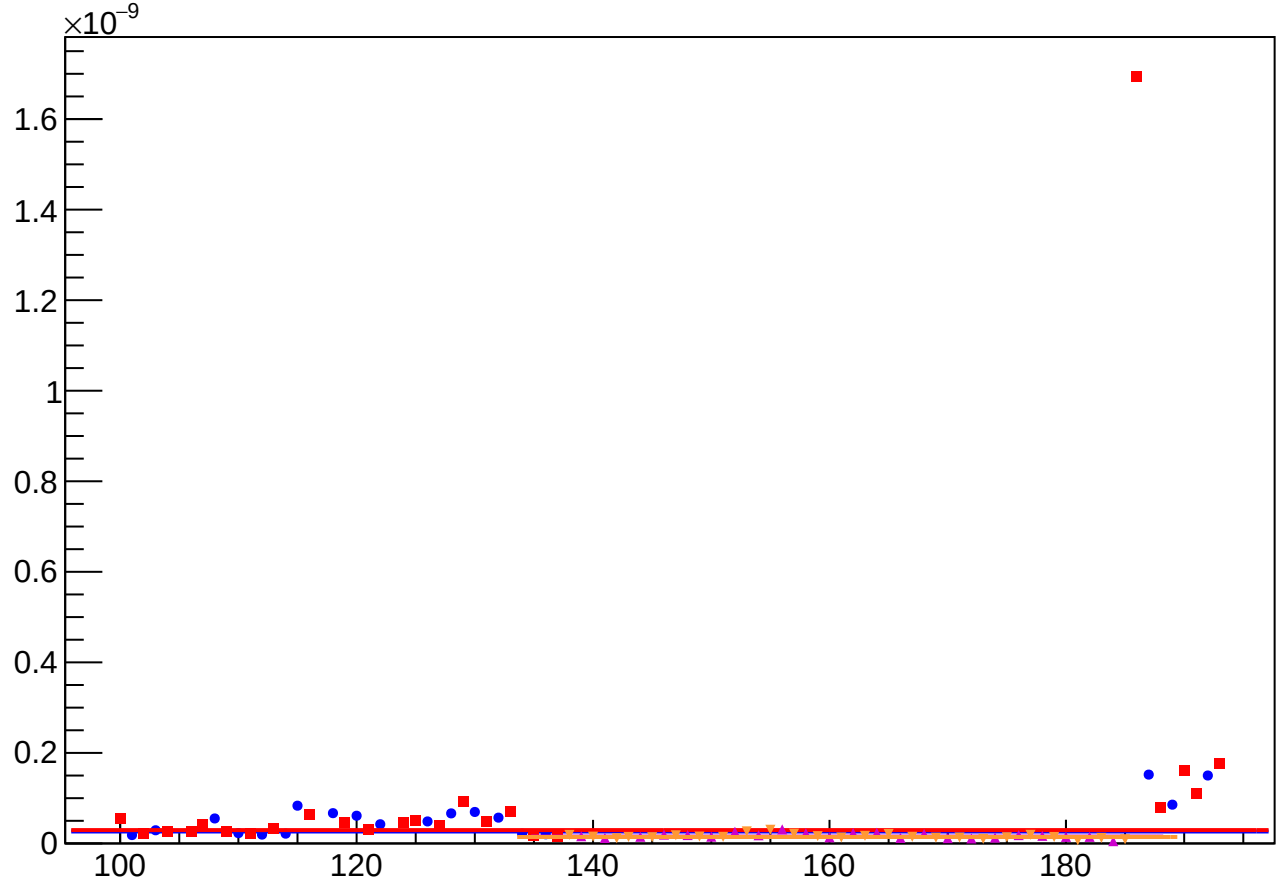
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.5/43

All: -0.000+/-0.000 χ^2/NDF: 116.0/90

- sign -0.000+/-0.000 χ^2/NDF: 61.5/46

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2385989.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

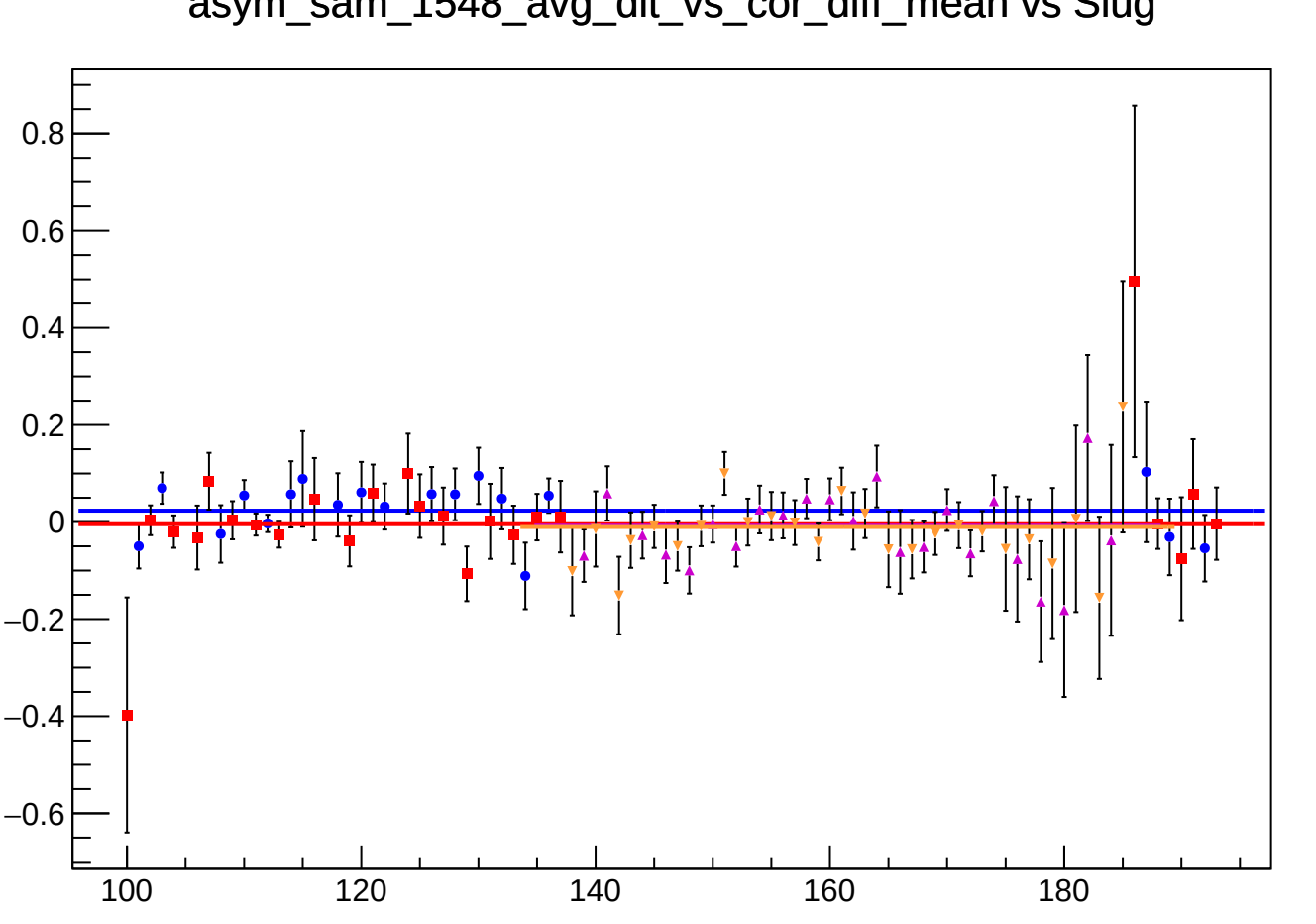
Right Out: 0.000+/-0.000 χ^2/NDF: 2679101.6/23

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: 9737559.3/90

- sign 0.000+/-0.000 χ^2/NDF: 5170484.7/46



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/18

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.004+/-0.010 χ^2/NDF: 16.1/23

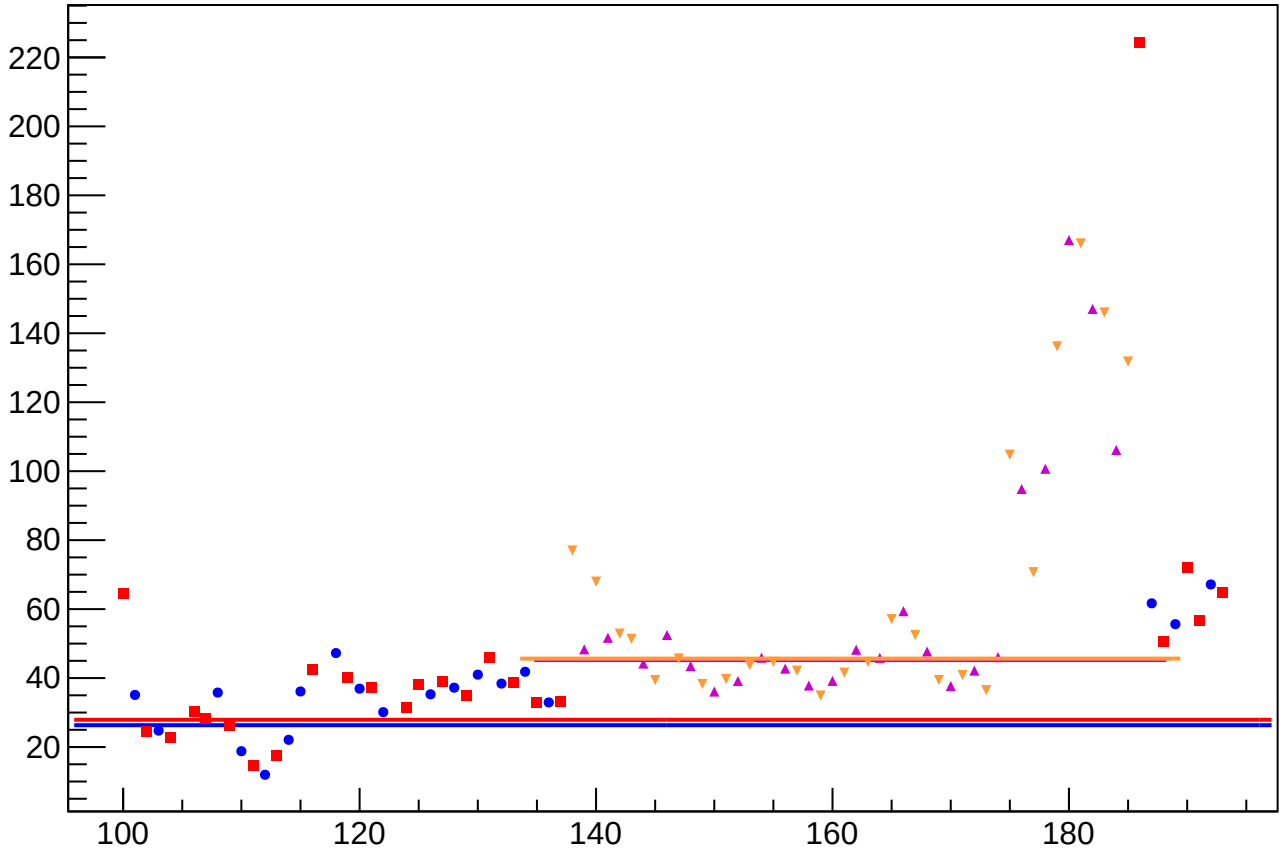
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.008+/-0.008 χ^2/NDF: 41.6/43

All: 0.001+/-0.005 χ^2/NDF: 82.9/90

- sign -0.006+/-0.008 χ^2/NDF: 39.5/46

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

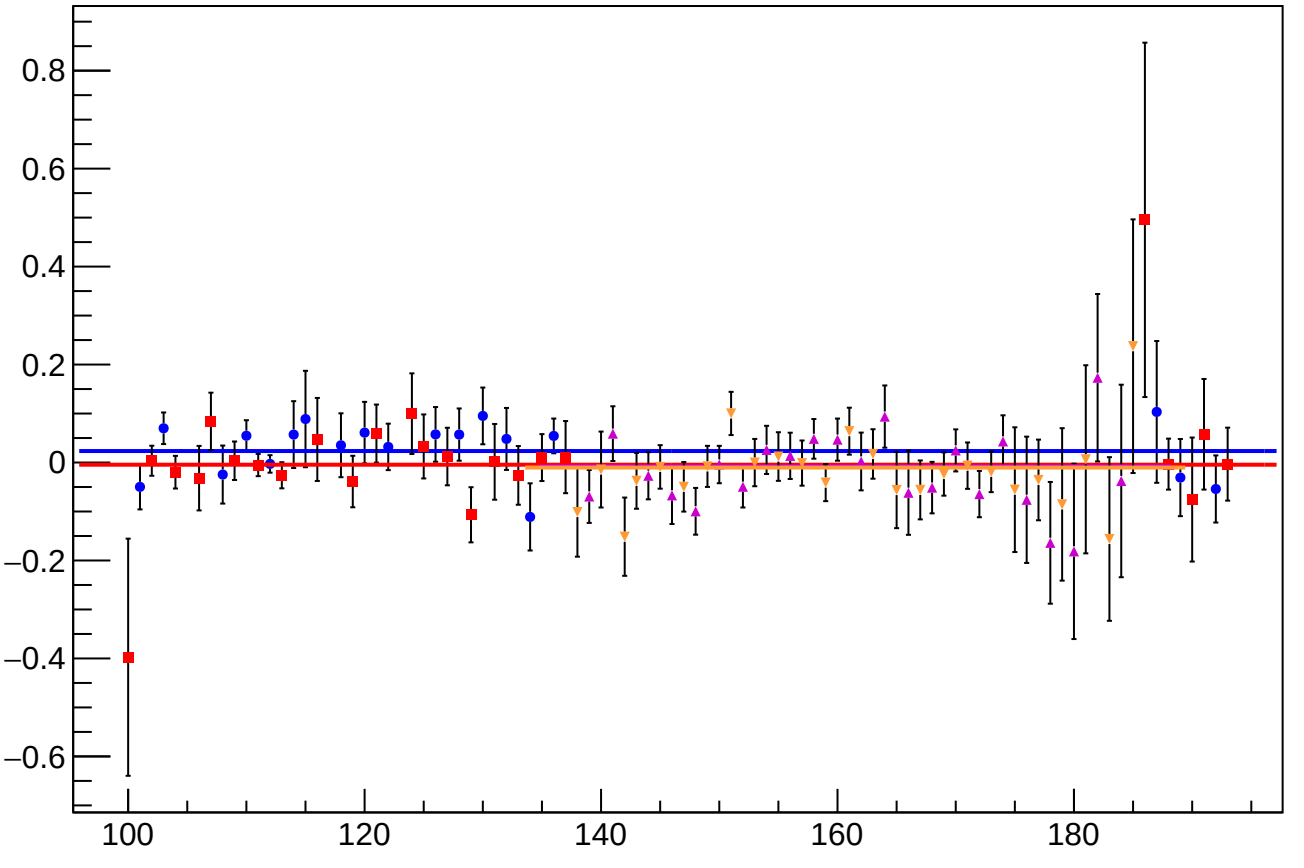
Right Out: 27.911+/-0.007 χ^2/NDF: 3547662.1/23

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 34.961+/-0.005 χ^2/NDF: 10713909.5/43

All: 35.186+/-0.004 χ^2/NDF: 19862378.3/90

- sign 35.410+/-0.005 χ^2/NDF: 9144916.1/46



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/18

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.004+/-0.010 χ^2/NDF: 16.1/23

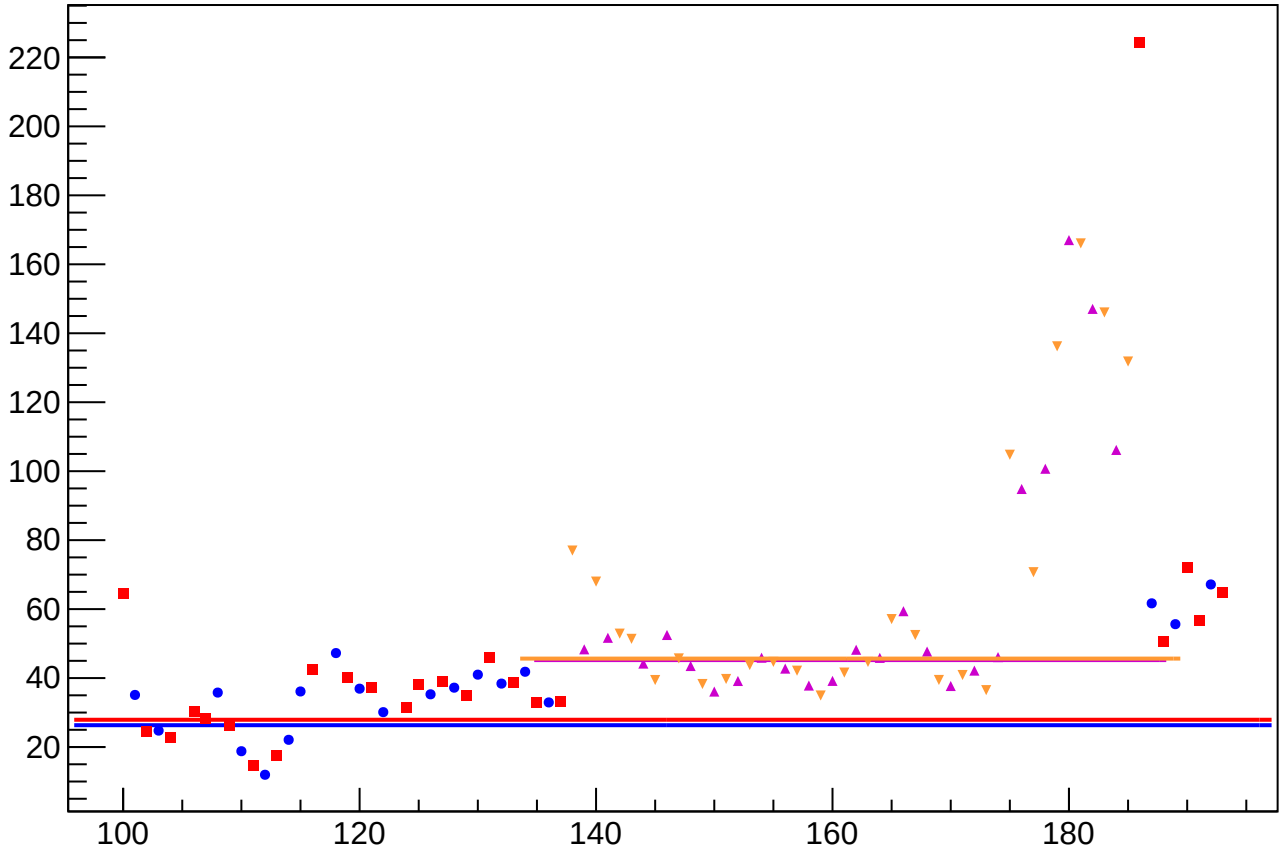
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.008+/-0.008 χ^2/NDF: 41.6/43

All: 0.001+/-0.005 χ^2/NDF: 82.9/90

- sign -0.006+/-0.008 χ^2/NDF: 39.5/46

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

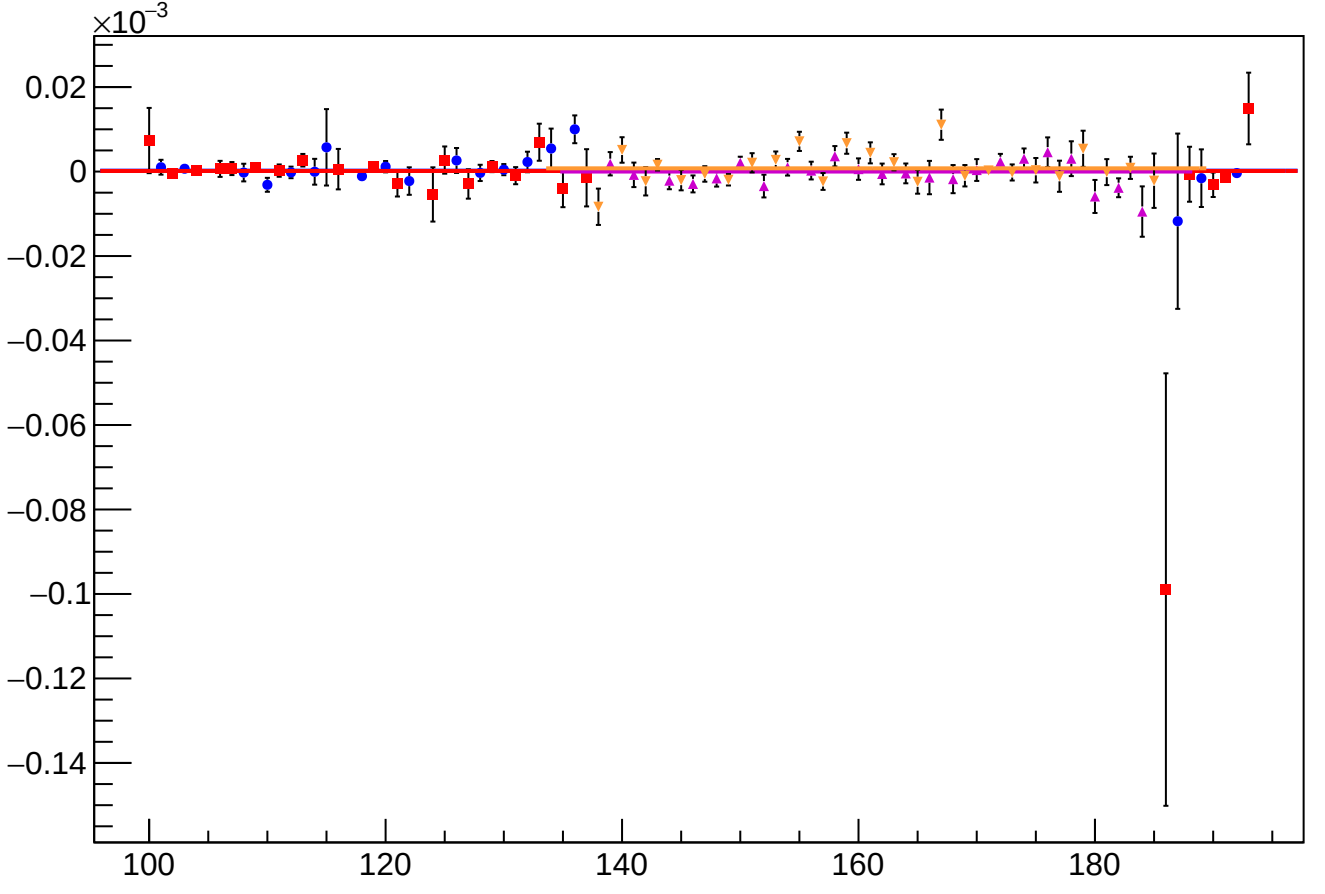
Right Out: 27.911+/-0.007 χ^2/NDF: 3547662.1/23

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 34.961+/-0.005 χ^2/NDF: 10713909.5/43

All: 35.186+/-0.004 χ^2/NDF: 19862378.3/90

- sign 35.410+/-0.005 χ^2/NDF: 9144916.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

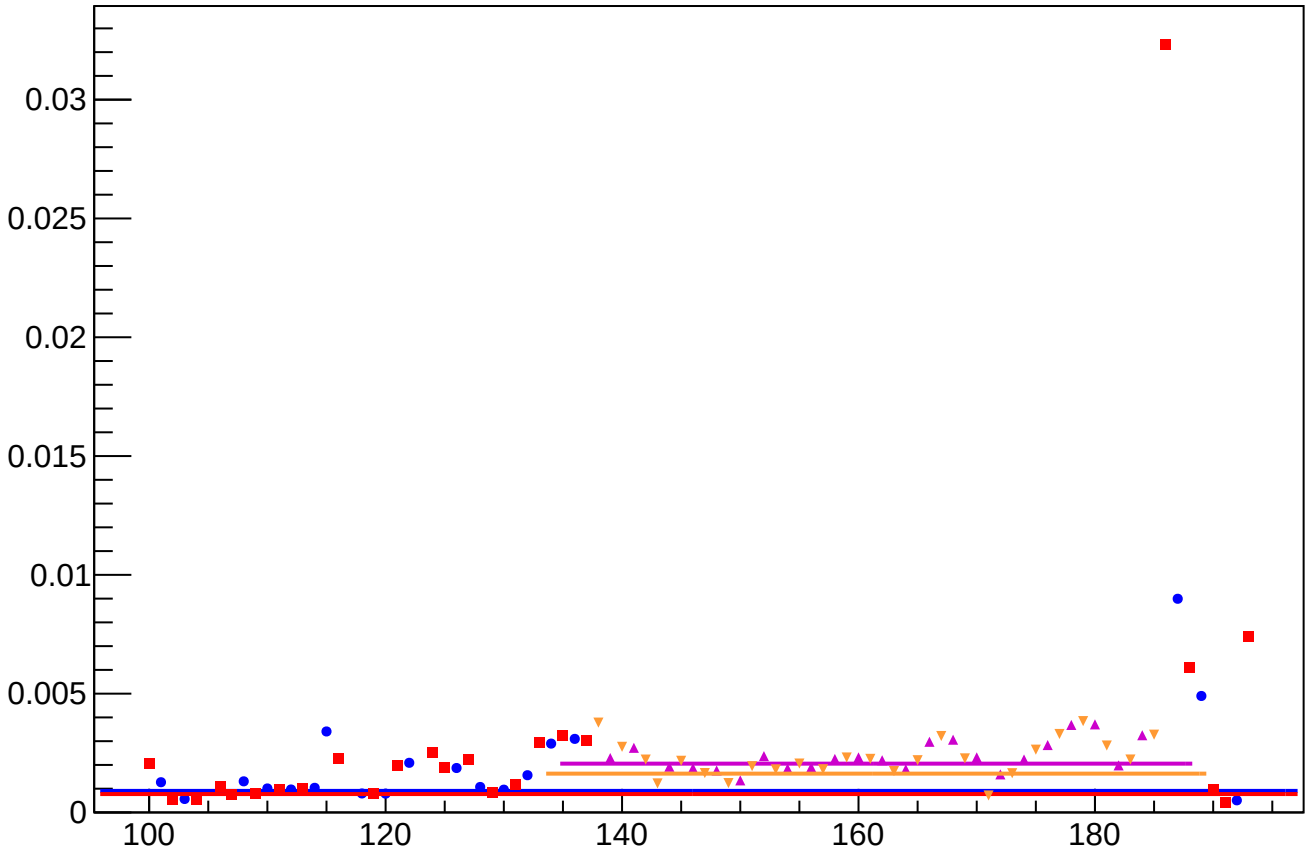
Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/23

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: 117.6/90

- sign 0.000+/-0.000 χ^2/NDF: 49.5/46



Right In: 0.001+/-0.000 χ^2/NDF: 3937745.5/18

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

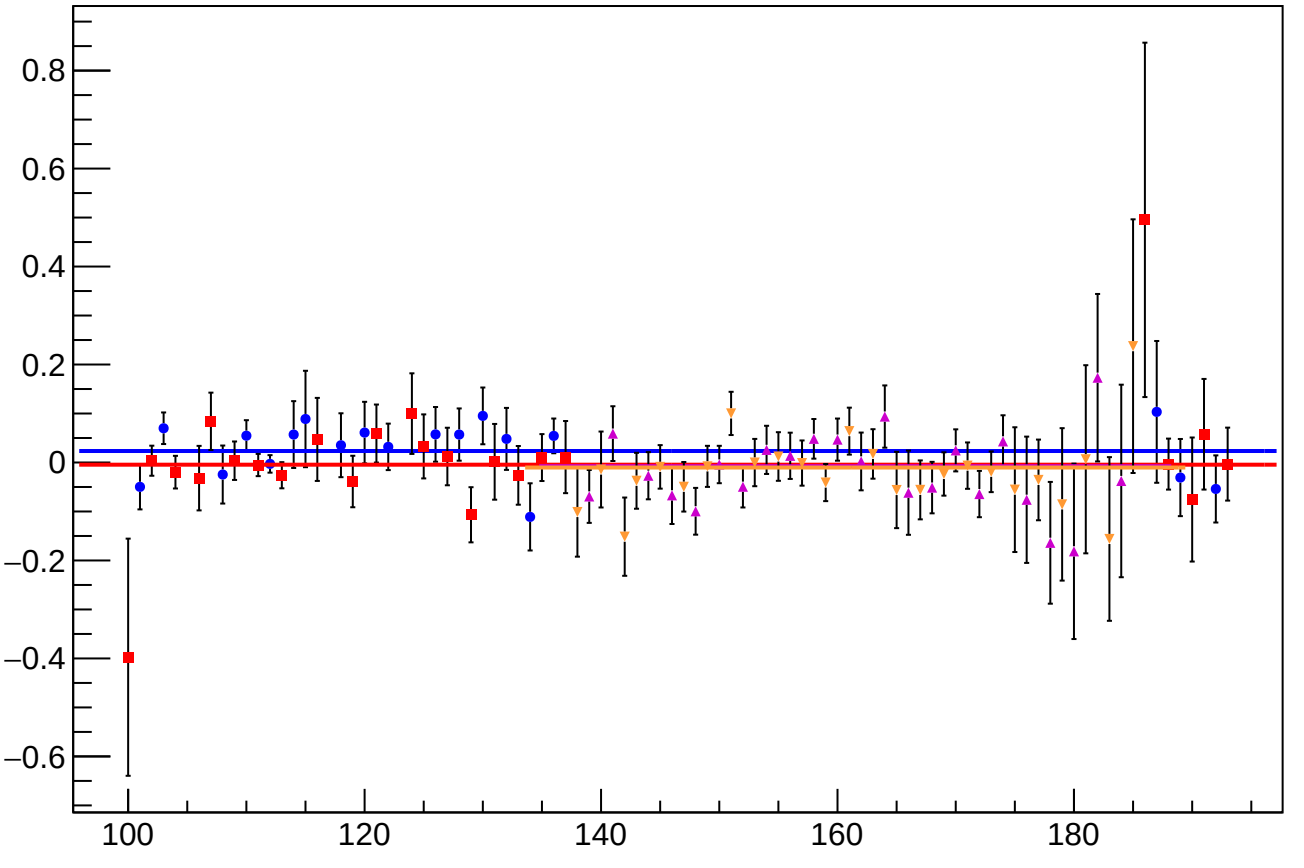
Right Out: 0.001+/-0.000 χ^2/NDF: 7038903.2/23

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: 32550241.2/90

- sign 0.001+/-0.000 χ^2/NDF: 18560046.3/46



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/18

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

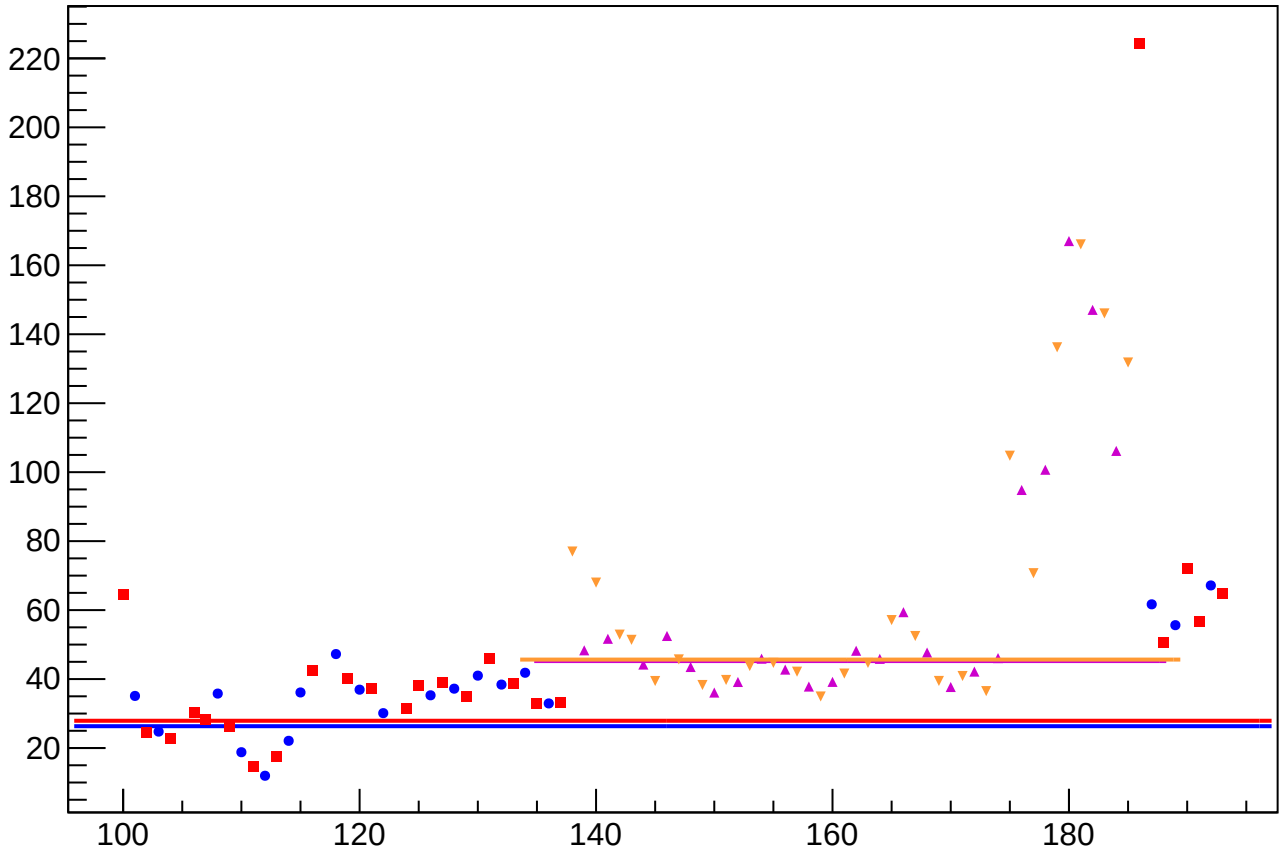
Right Out: -0.004+/-0.010 χ^2/NDF: 16.1/23

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: 82.9/90

- sign -0.006+/-0.008 χ^2/NDF: 39.5/46



Right In: 26.332+/-0.007 χ^2/NDF: 3450351.5/18

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

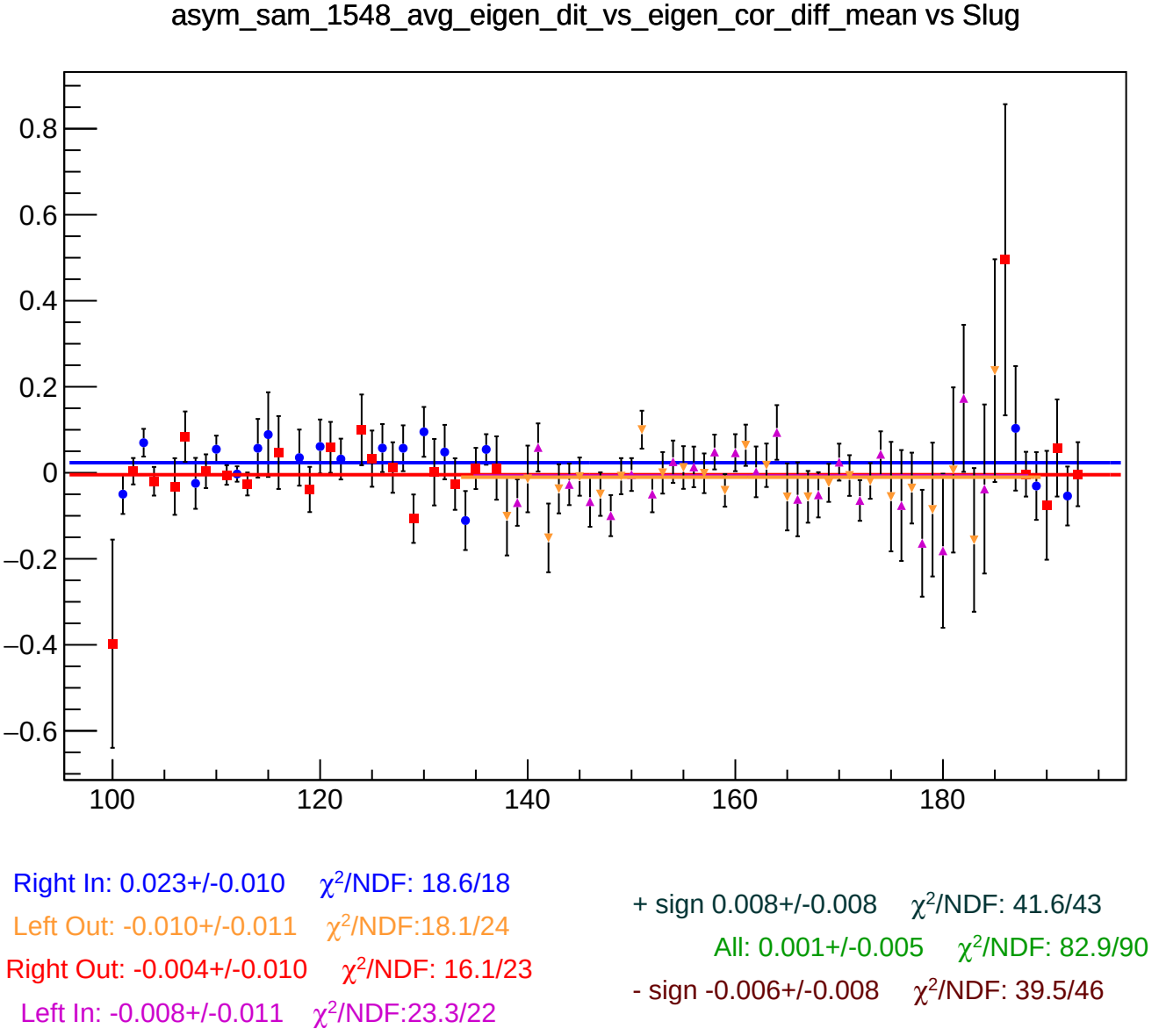
Right Out: 27.911+/-0.007 χ^2/NDF: 3547831.8/23

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

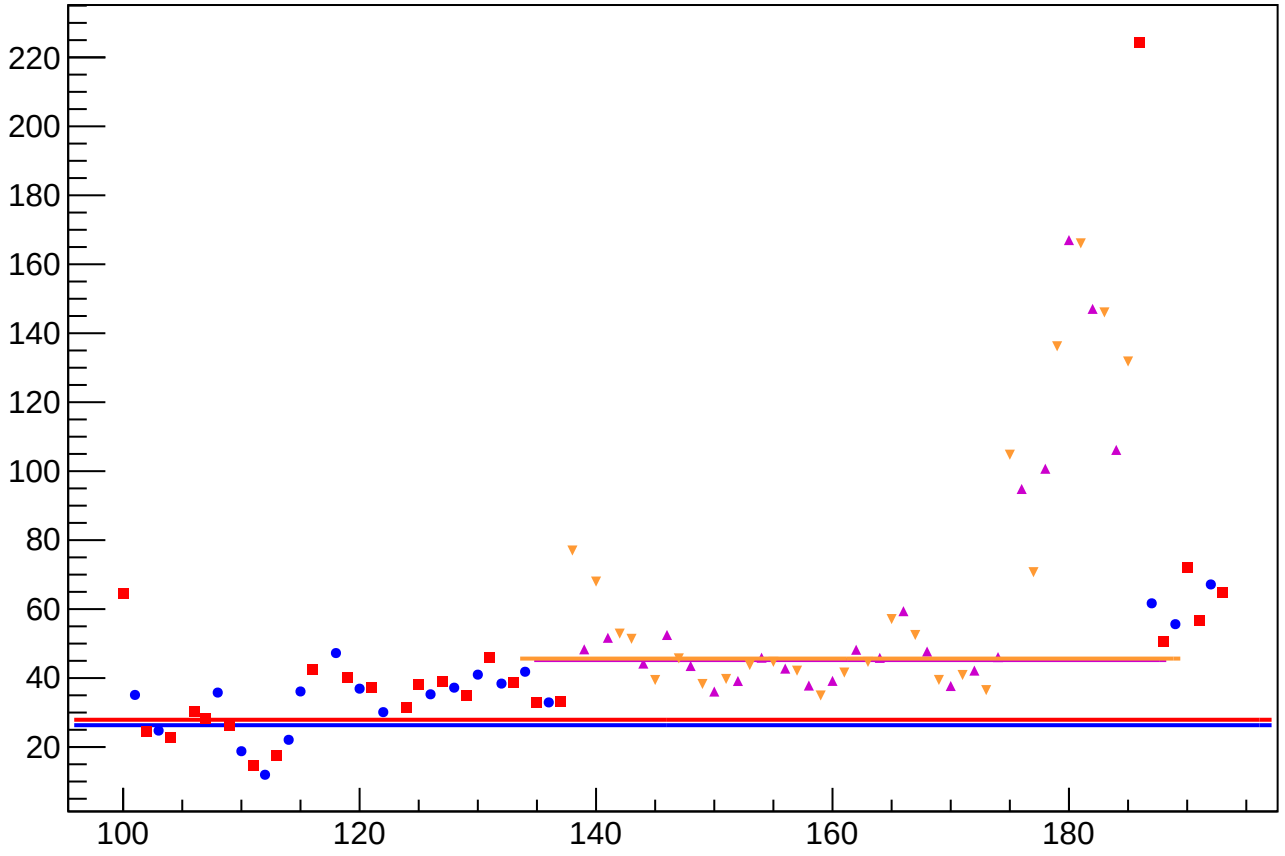
+ sign 34.961+/-0.005 χ^2/NDF: 10714369.7/43

All: 35.186+/-0.004 χ^2/NDF: 19863180.6/90

- sign 35.410+/-0.005 χ^2/NDF: 9145255.7/46


asym_sam_1548_avg_eigen_dit_vs_eigen_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: -0.004+/-0.010 χ²/NDF: 16.1/23
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: 82.9/90
- sign -0.006+/-0.008 χ²/NDF: 39.5/46

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.332+/-0.007 χ^2/NDF: 3450351.5/18

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

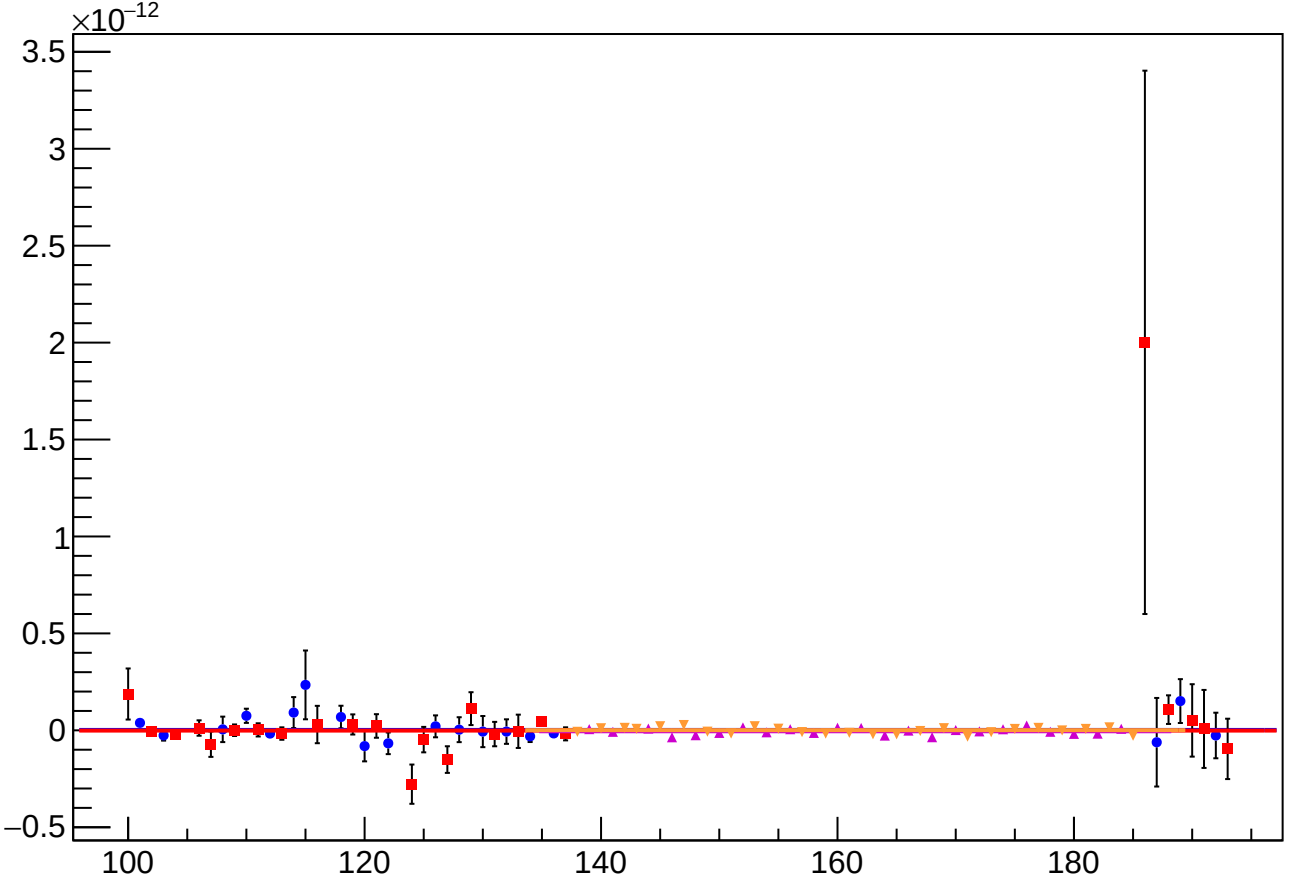
Right Out: 27.911+/-0.007 χ^2/NDF: 3547831.8/23

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.961+/-0.005 χ^2/NDF: 10714369.7/43

All: 35.186+/-0.004 χ^2/NDF: 19863180.6/90

- sign 35.410+/-0.005 χ^2/NDF: 9145255.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

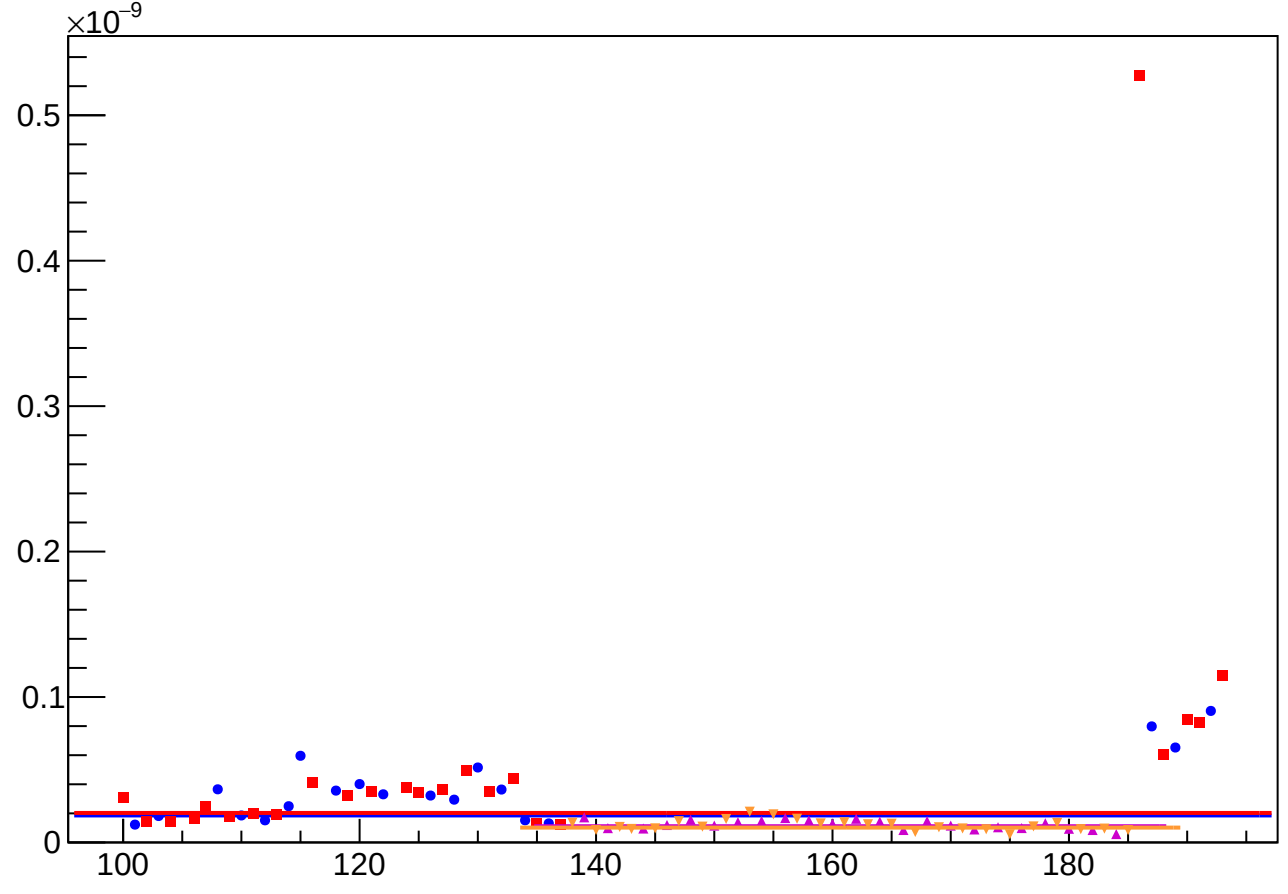
Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/23

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: 99.7/90

- sign -0.000+/-0.000 χ^2/NDF: 51.9/46



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: 3679085.4/23

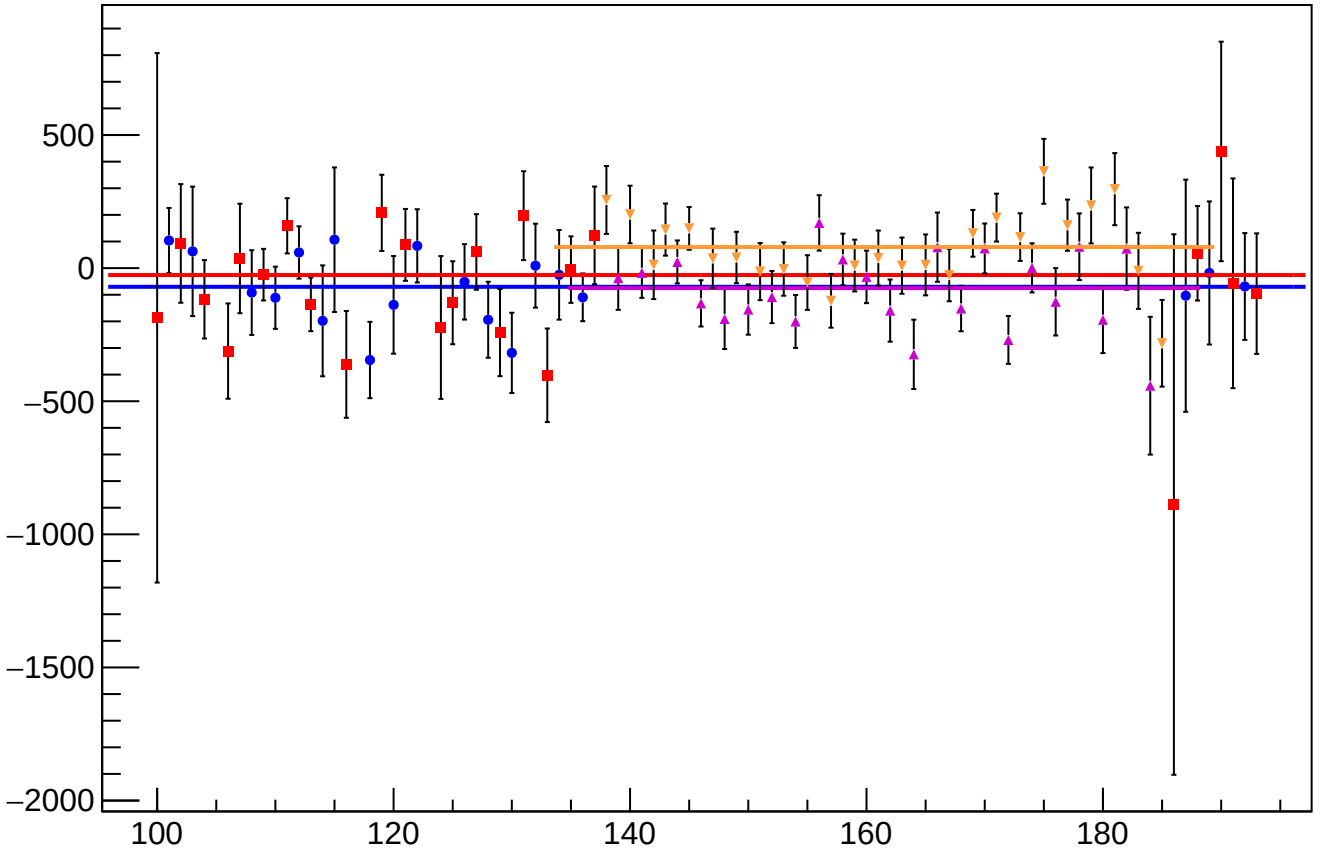
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7065346.3/43

All: 0.000+/-0.000 χ^2/NDF: 14244685.8/90

- sign 0.000+/-0.000 χ^2/NDF: 7031574.9/46

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: -25.979+/-33.016 χ^2/NDF: 26.3/23

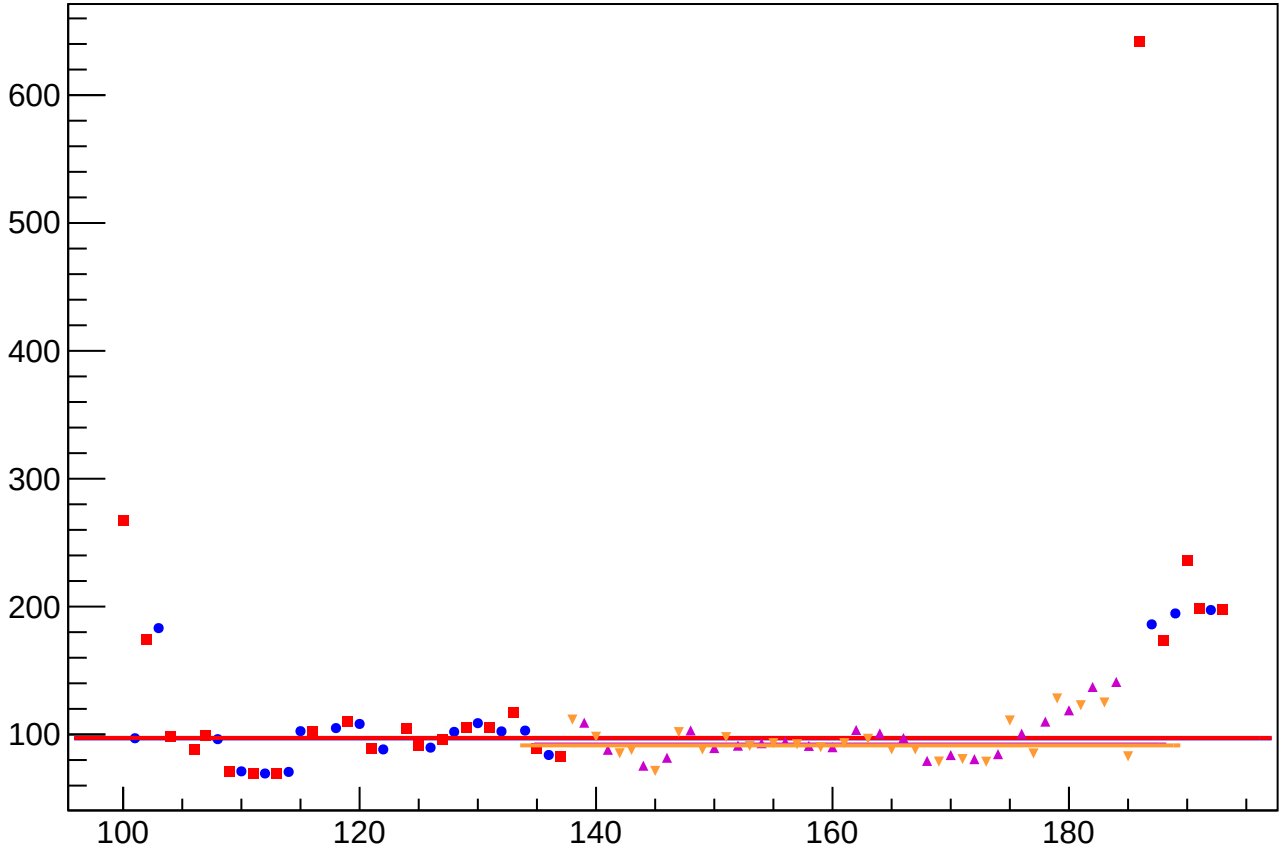
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 37.947+/-17.960 χ^2/NDF: 59.9/43

All: -10.396+/-12.788 χ^2/NDF: 135.1/90

- sign -60.115+/-18.214 χ^2/NDF: 60.5/46

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

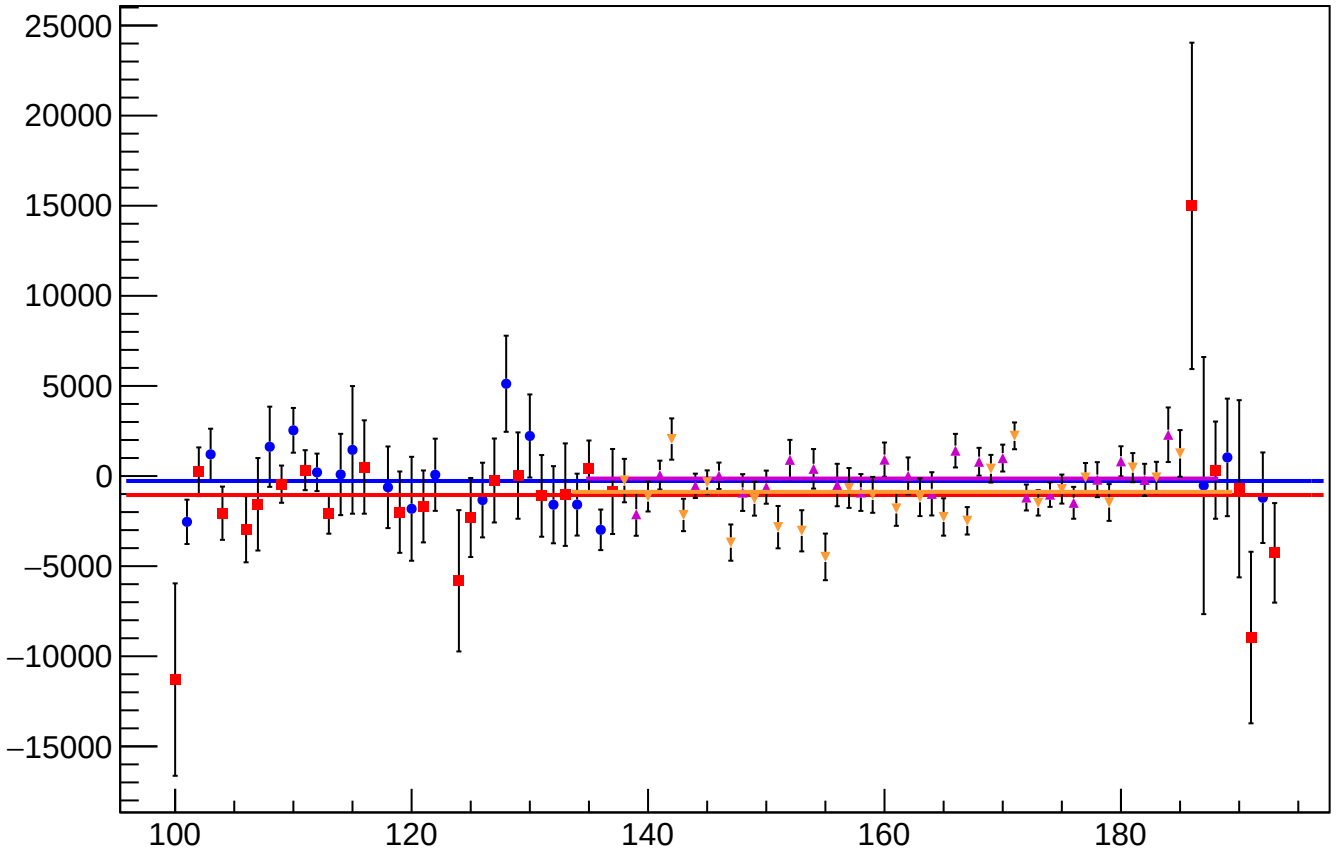
Right Out: 97.311+/-0.023 χ^2/NDF: 2531785.7/23

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 92.970+/-0.013 χ^2/NDF: 2264030.7/43

All: 93.323+/-0.009 χ^2/NDF: 5531631.2/90

- sign 93.686+/-0.013 χ^2/NDF: 3266033.3/46



Right In: -273.616+/-409.879 χ^2/NDF: 23.7/18

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1052.187+/-389.526 χ^2/NDF: 20.2/23

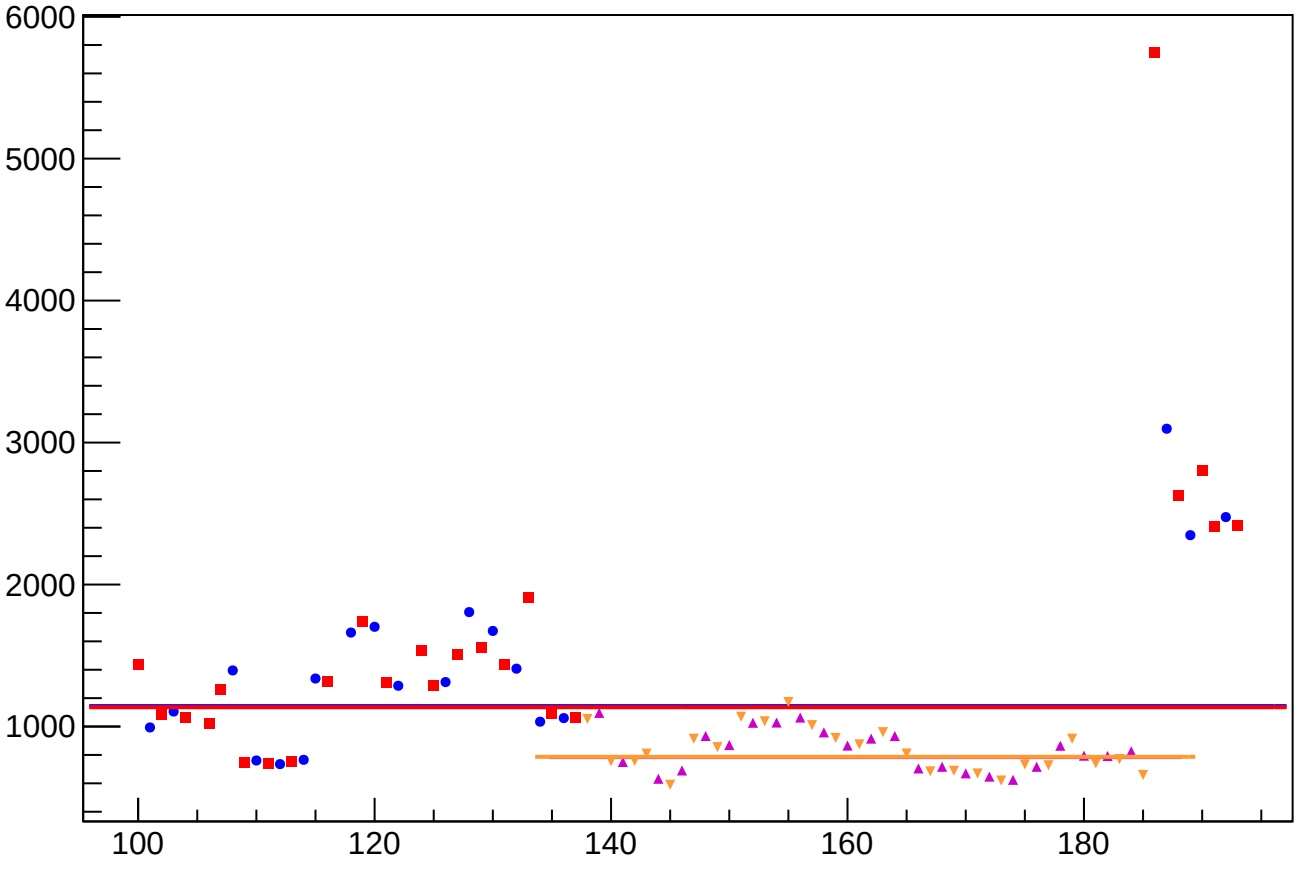
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -778.677+/-166.482 χ^2/NDF: 93.3/43

All: -546.434+/-118.347 χ^2/NDF: 146.1/90

- sign -309.185+/-168.267 χ^2/NDF: 48.9/46

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: 1136.057+/-0.275 χ^2/NDF: 3227817.8/23

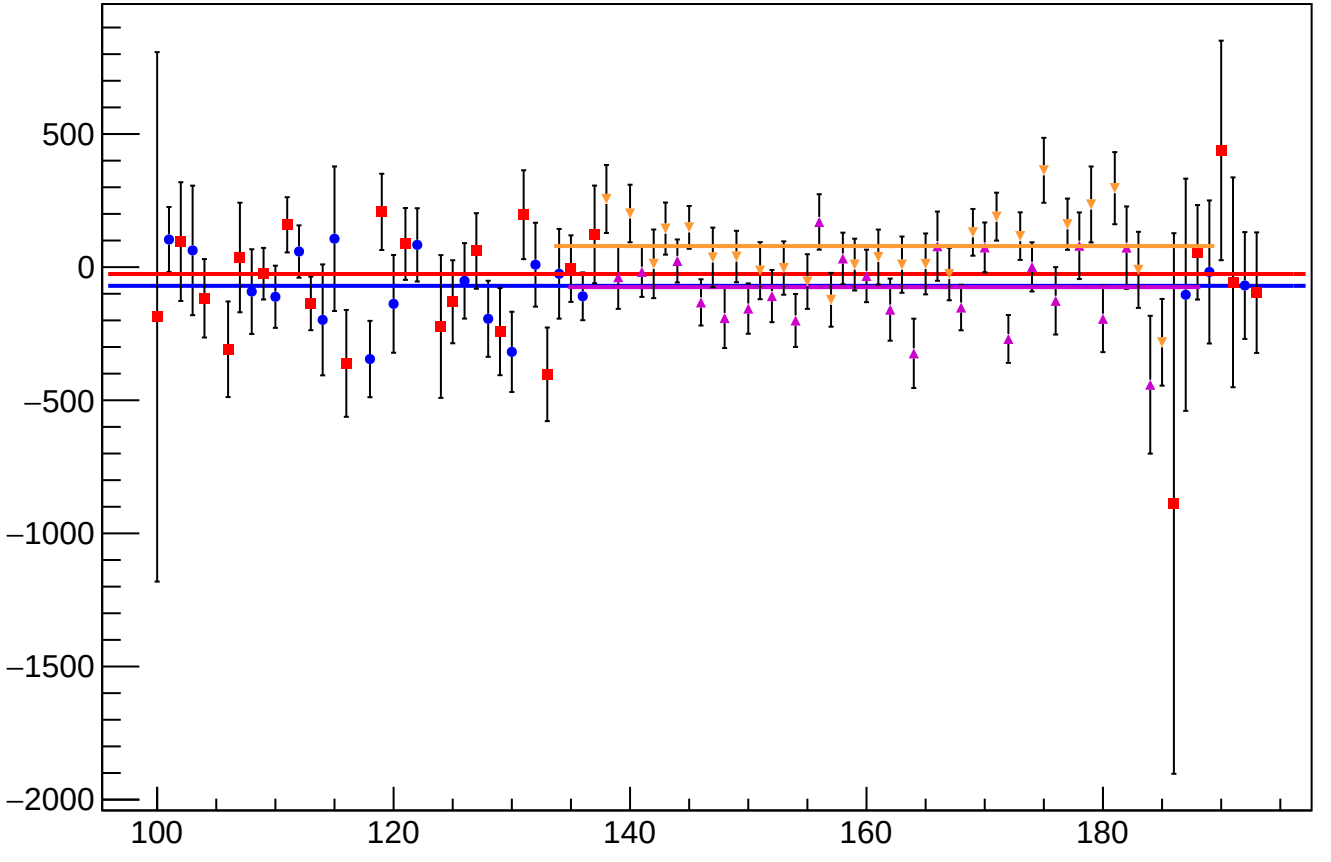
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 845.669+/-0.118 χ^2/NDF: 4561996.6/43

All: 847.996+/-0.084 χ^2/NDF: 10176940.5/90

- sign 850.374+/-0.119 χ^2/NDF: 5614153.8/46

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: -25.743+/-33.020 χ^2/NDF: 26.3/23

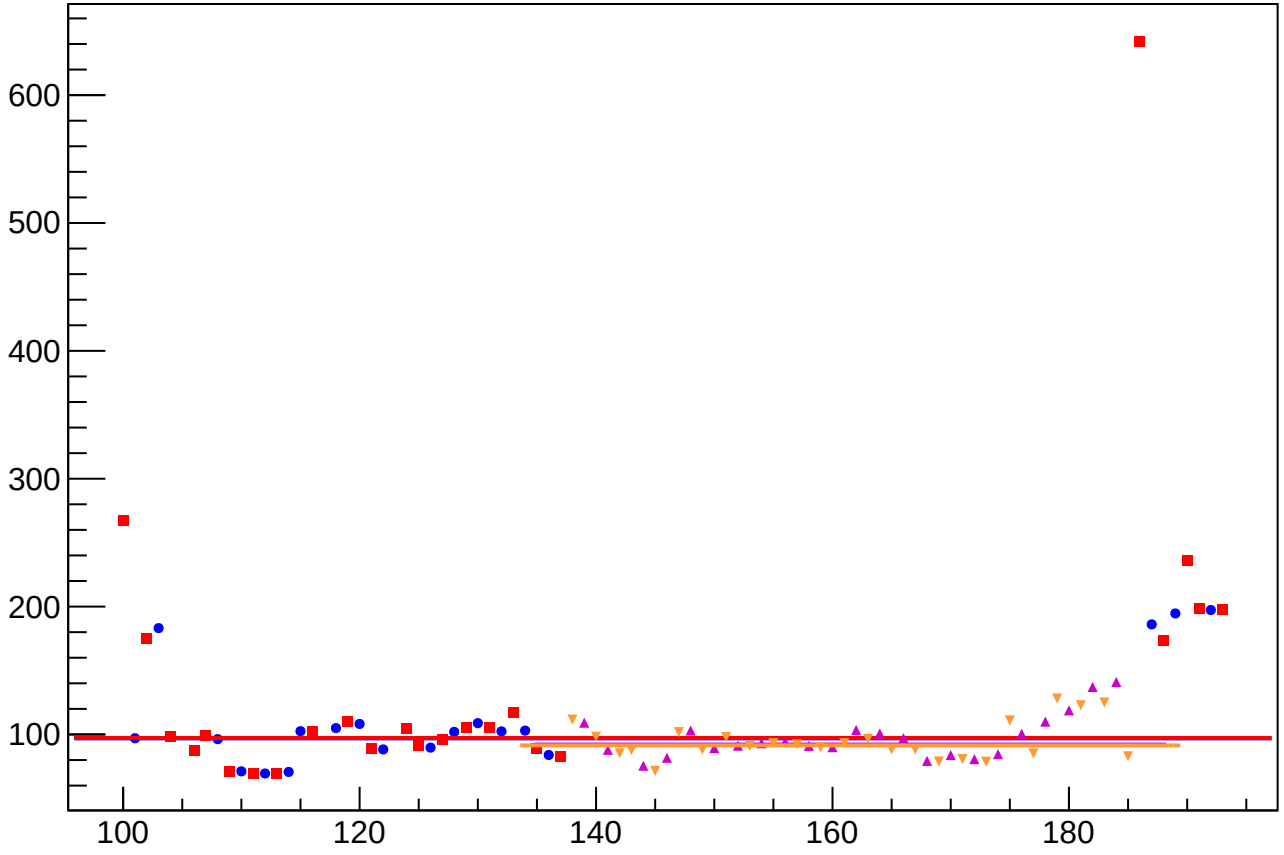
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 37.951+/-17.960 χ^2/NDF: 59.9/43

All: -10.358+/-12.788 χ^2/NDF: 135.0/90

- sign -60.046+/-18.214 χ^2/NDF: 60.5/46

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

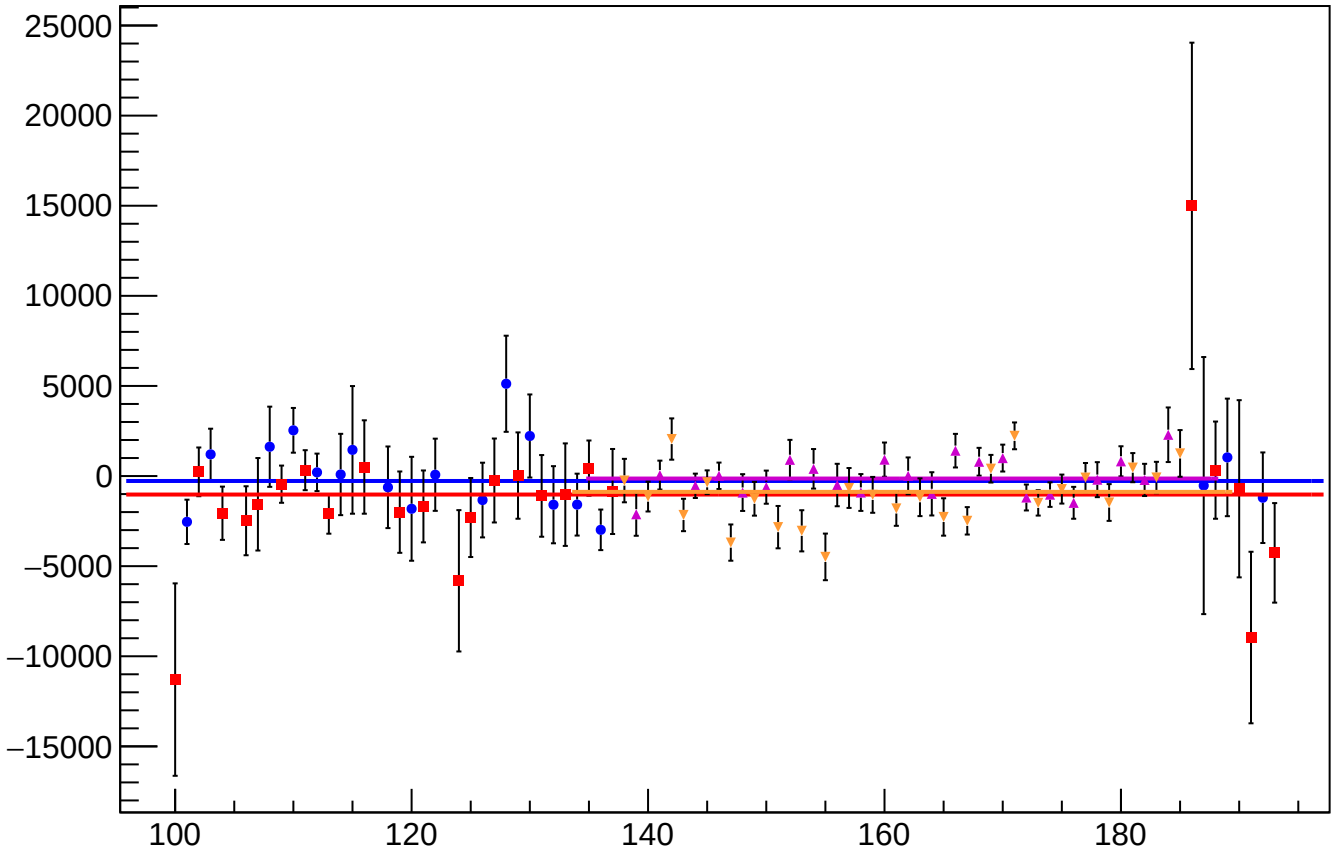
Right Out: 97.269+/-0.023 χ^2/NDF: 2533514.5/23

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 92.970+/-0.013 χ^2/NDF: 2264033.8/43

All: 93.317+/-0.009 χ^2/NDF: 5532738.5/90

- sign 93.673+/-0.013 χ^2/NDF: 3267194.6/46



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: -1026.273+/-390.268 χ^2/NDF: 19.7/23

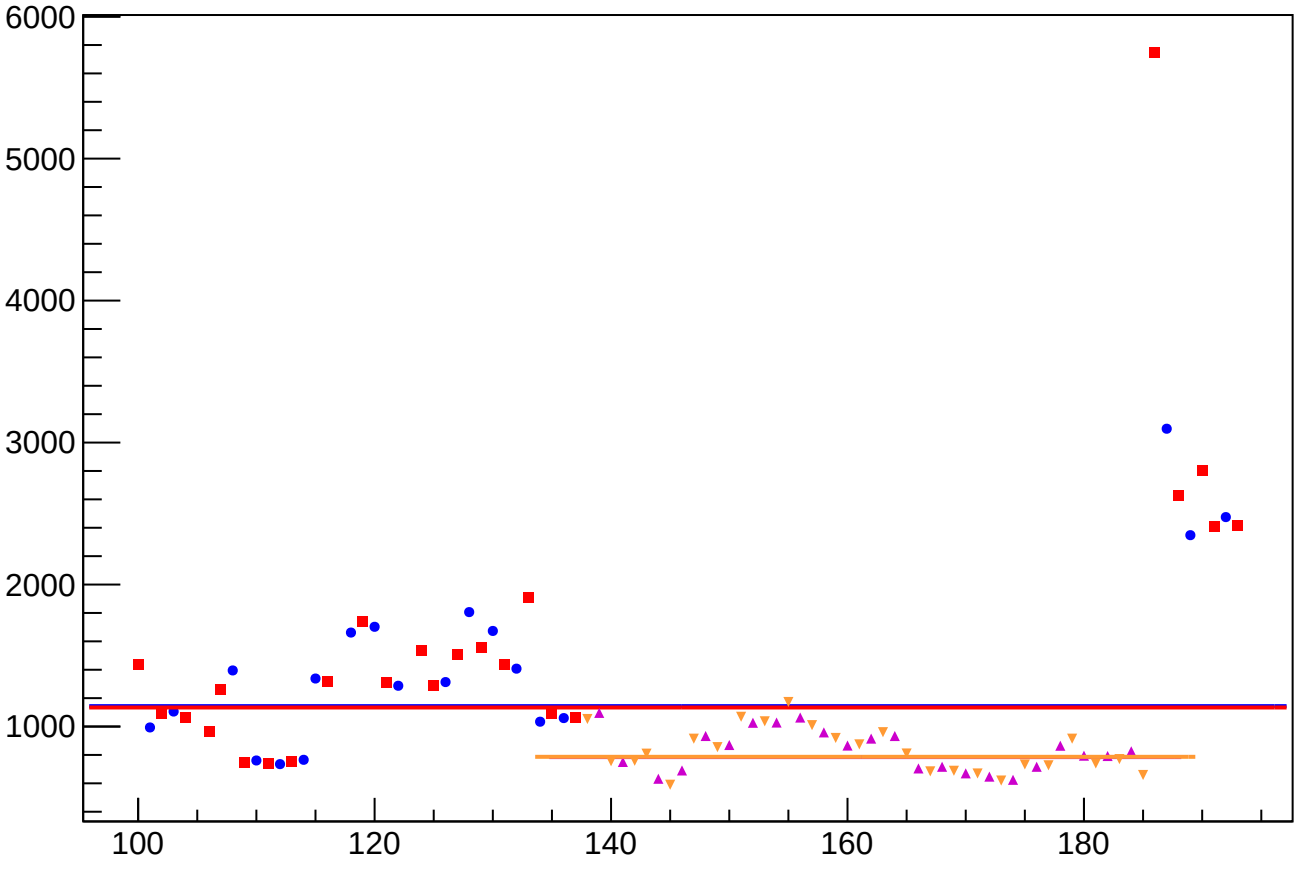
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -778.673+/-166.483 χ^2/NDF: 93.3/43

All: -543.872+/-118.368 χ^2/NDF: 145.4/90

- sign -303.839+/-168.327 χ^2/NDF: 48.1/46

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: 1134.176+/-0.276 χ^2/NDF: 3235810.6/23

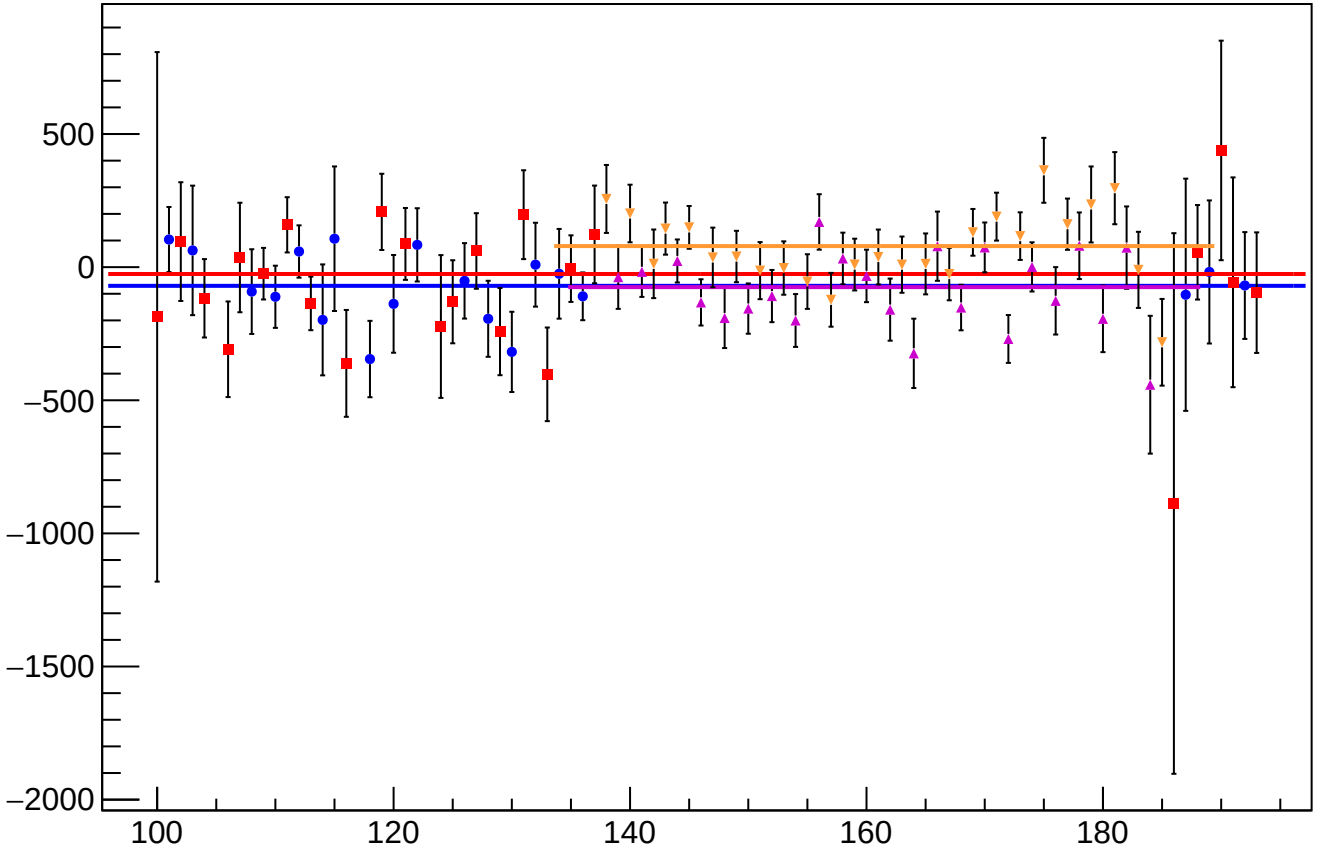
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 845.670+/-0.118 χ^2/NDF: 4562040.3/43

All: 847.723+/-0.084 χ^2/NDF: 10166629.6/90

- sign 849.821+/-0.119 χ^2/NDF: 5603974.2/46

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: -25.743+/-33.020 χ^2/NDF: 26.3/23

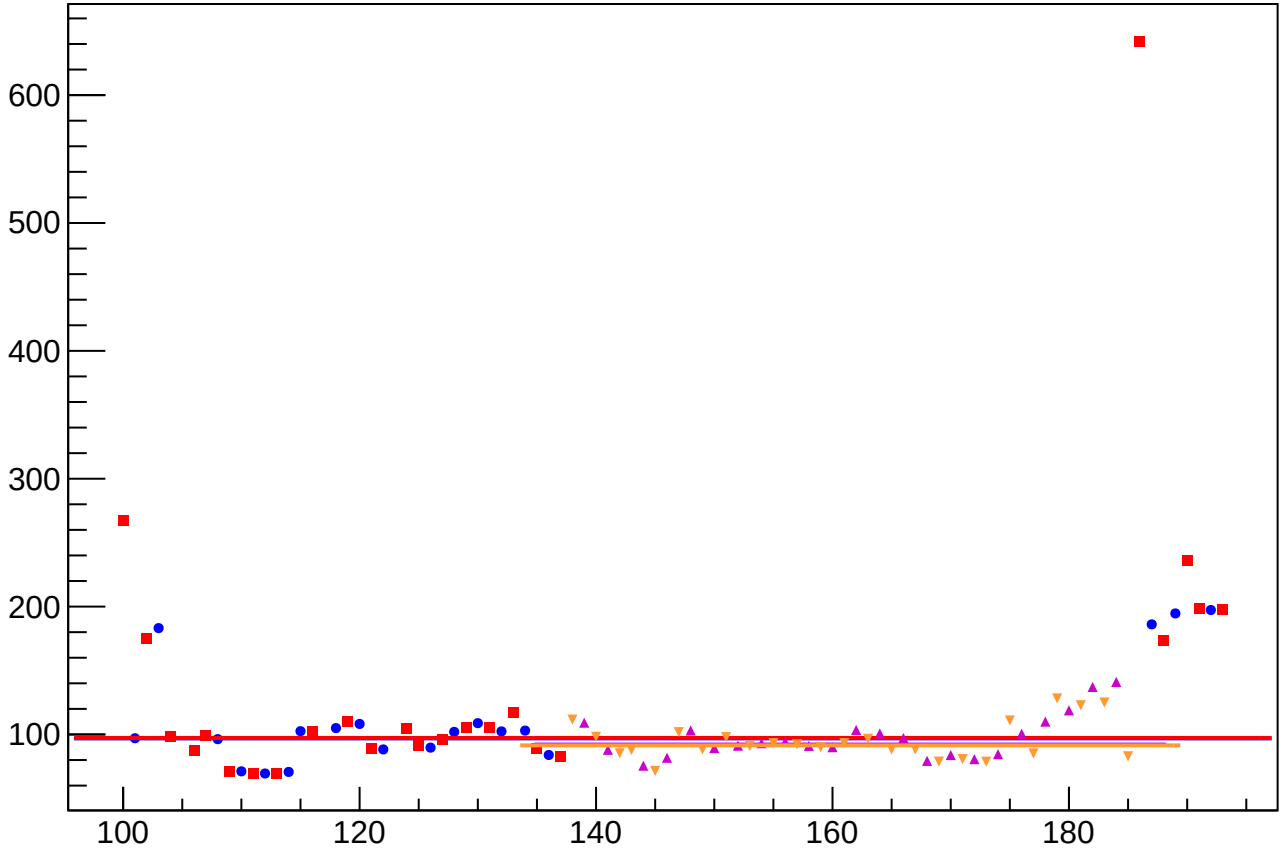
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 37.951+/-17.960 χ^2/NDF: 59.9/43

All: -10.358+/-12.788 χ^2/NDF: 135.0/90

- sign -60.046+/-18.214 χ^2/NDF: 60.5/46

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

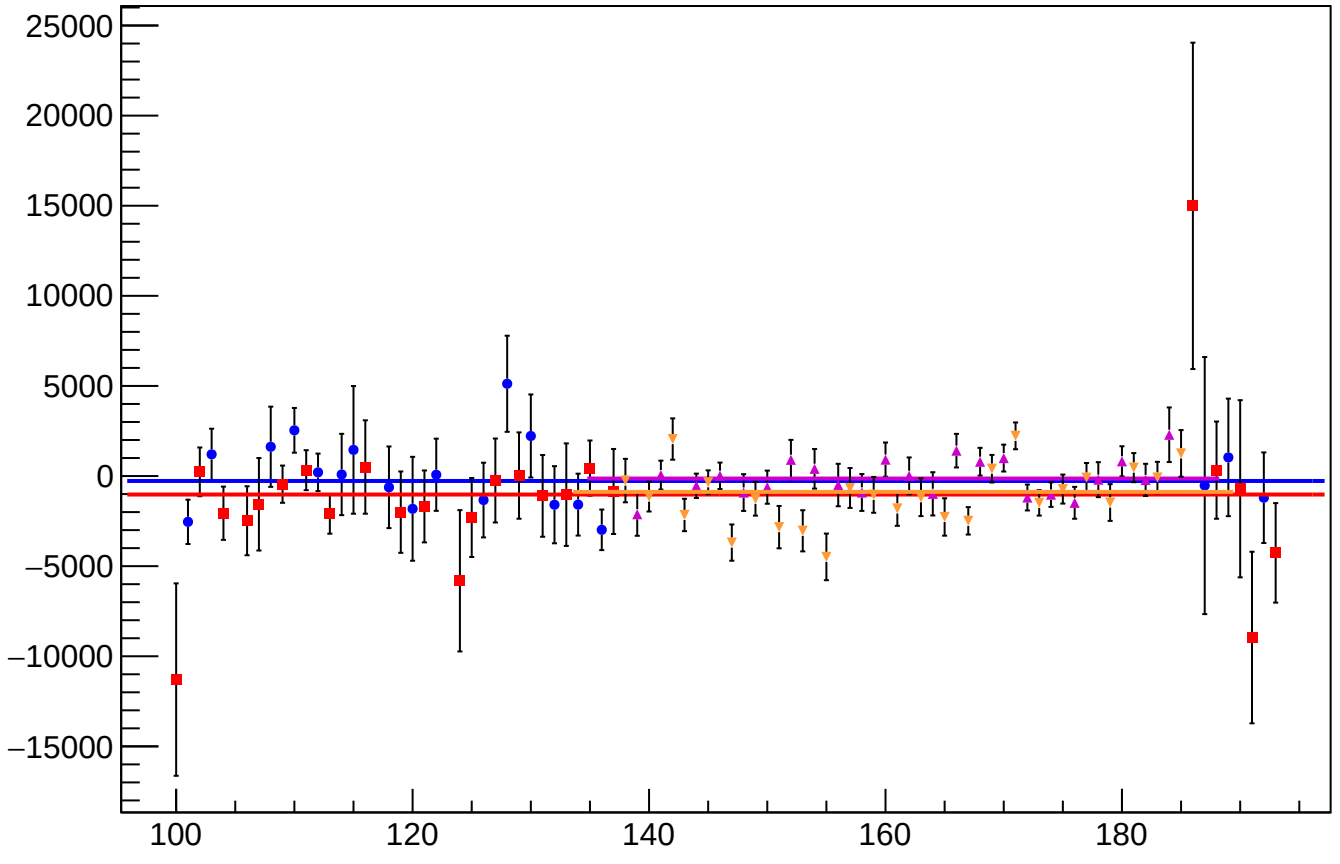
Right Out: 97.269+/-0.023 χ^2/NDF: 2533514.5/23

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 92.970+/-0.013 χ^2/NDF: 2264033.8/43

All: 93.317+/-0.009 χ^2/NDF: 5532738.5/90

- sign 93.673+/-0.013 χ^2/NDF: 3267194.6/46



Right In: -273.635+/-409.882 χ^2/NDF: 23.7/18

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

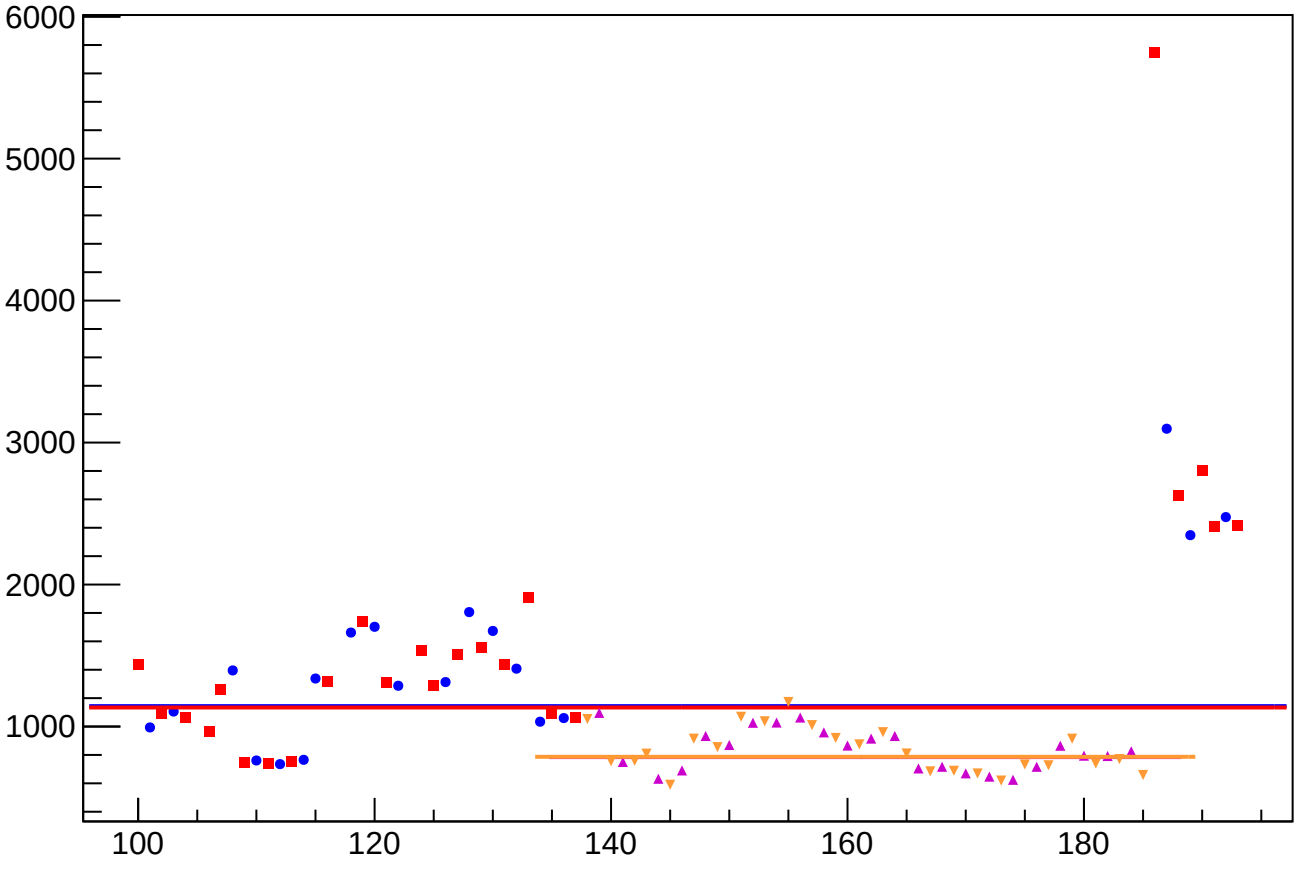
Right Out: -1026.273+/-390.268 χ^2/NDF: 19.7/23

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -778.673+/-166.483 χ^2/NDF: 93.3/43

All: -543.872+/-118.368 χ^2/NDF: 145.4/90

- sign -303.839+/-168.327 χ^2/NDF: 48.1/46



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: 1134.176+/-0.276 χ^2/NDF: 3235810.6/23

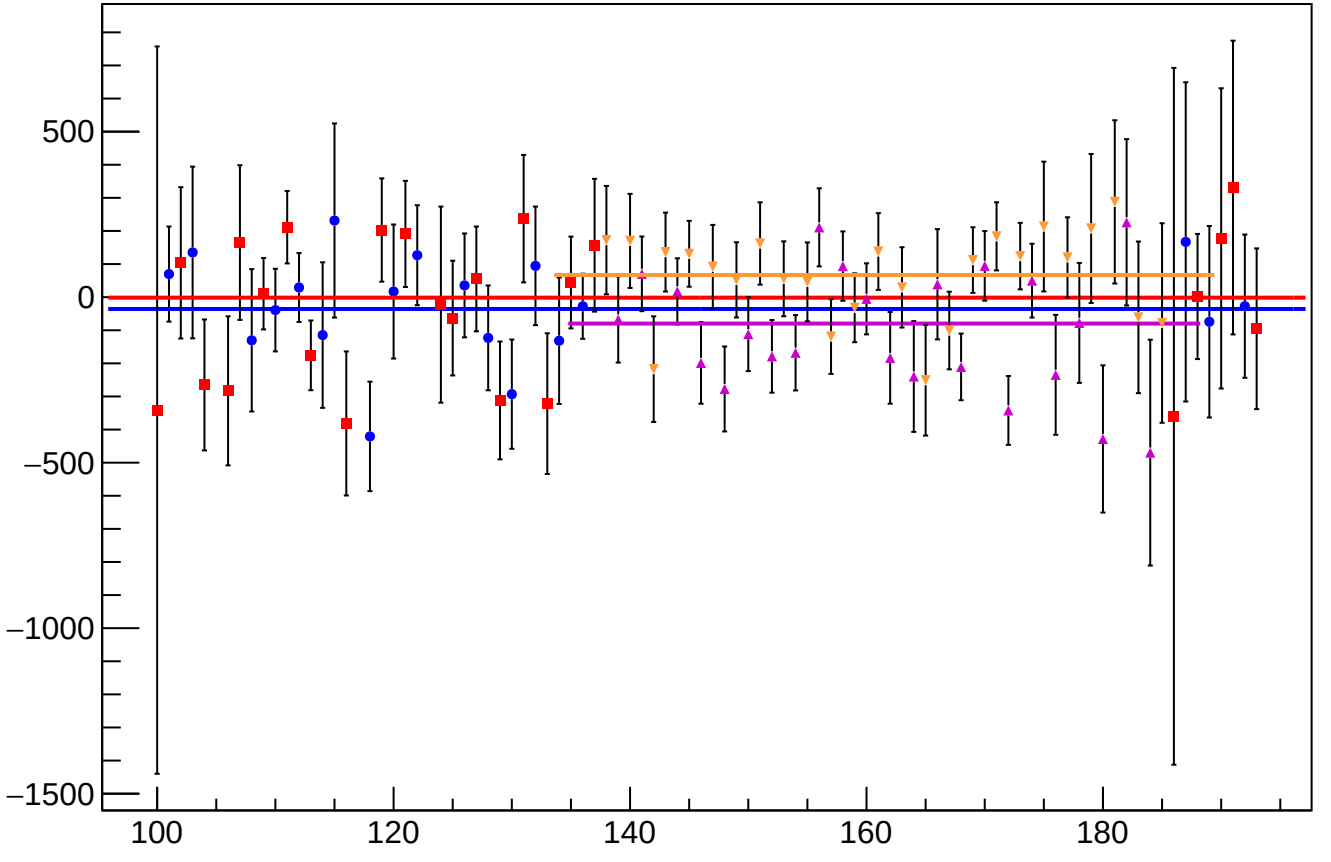
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 845.670+/-0.118 χ^2/NDF: 4562040.3/43

All: 847.723+/-0.084 χ^2/NDF: 10166629.6/90

- sign 849.821+/-0.119 χ^2/NDF: 5603974.2/46

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: -1.490+/-36.702 χ^2/NDF: 25.7/23

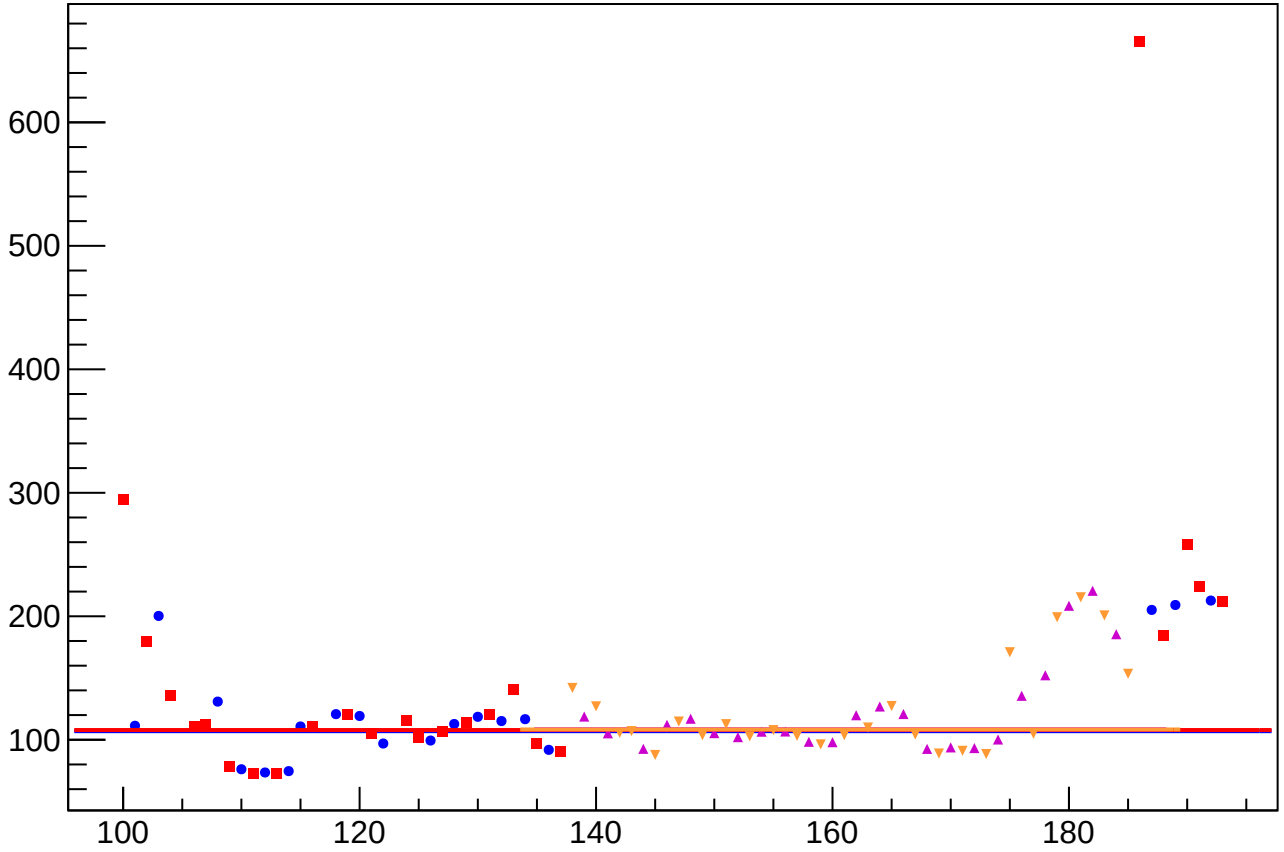
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 34.809+/-21.209 χ^2/NDF: 37.7/43

All: -8.852+/-15.056 χ^2/NDF: 111.9/90

- sign -53.211+/-21.377 χ^2/NDF: 65.7/46

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: 107.884+/-0.026 χ^2/NDF: 2586619.8/23

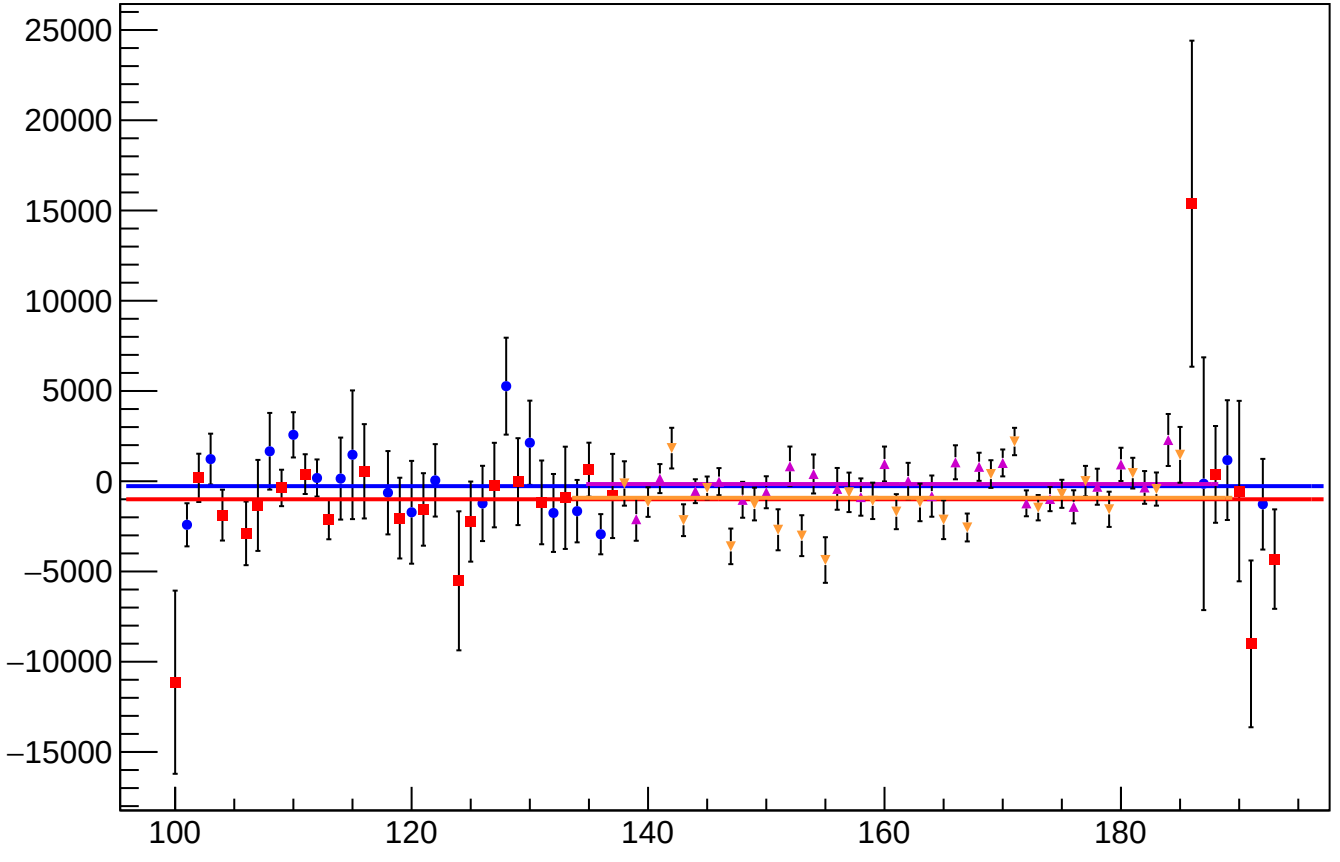
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 107.903+/-0.015 χ^2/NDF: 3349028.5/43

All: 108.093+/-0.011 χ^2/NDF: 7315733.9/90

- sign 108.286+/-0.015 χ^2/NDF: 3966381.0/46

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: -999.692+/-385.206 χ^2/NDF: 21.2/23

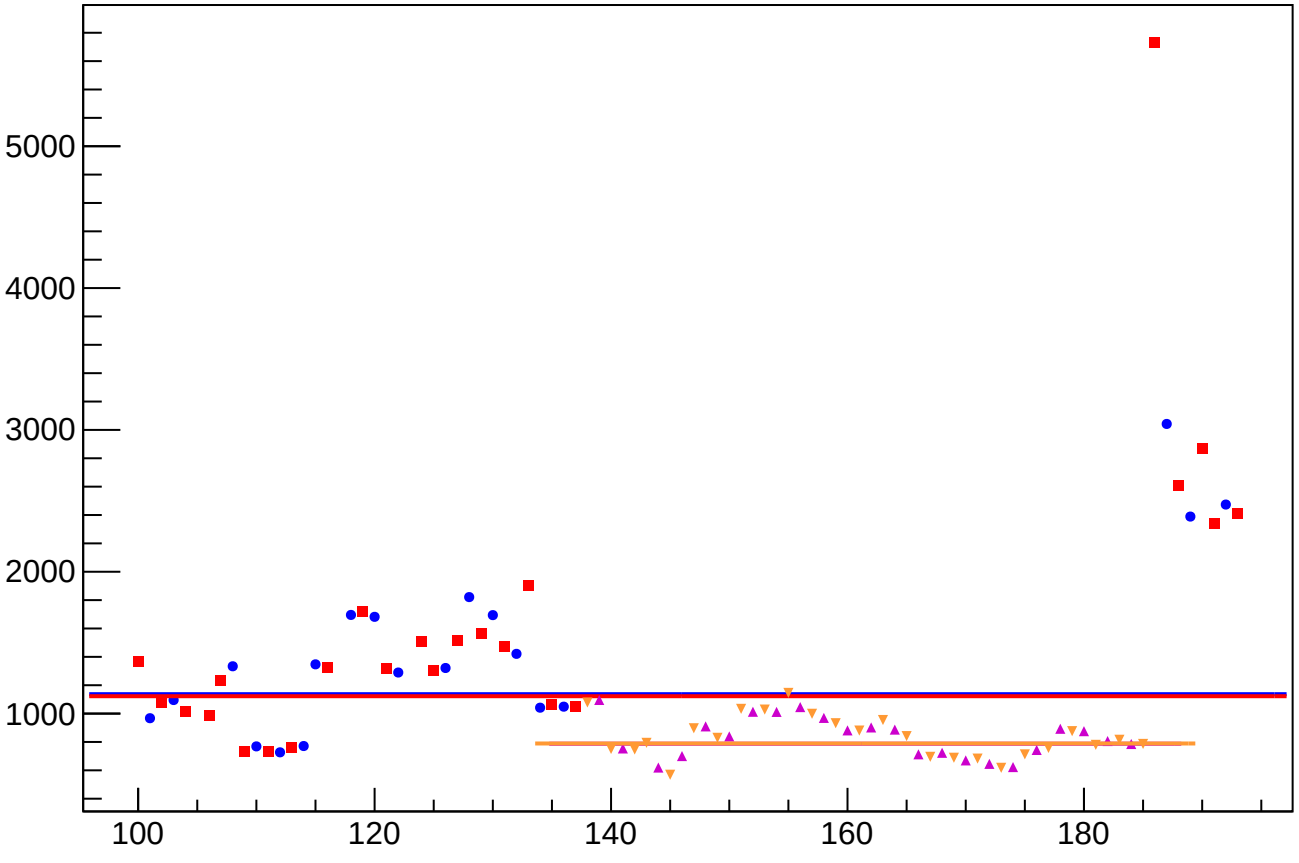
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -810.817+/-166.537 χ^2/NDF: 90.0/43

All: -566.506+/-118.381 χ^2/NDF: 142.5/90

- sign -316.968+/-168.309 χ^2/NDF: 48.1/46

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: 1122.480+/-0.272 χ^2/NDF: 3285244.7/23

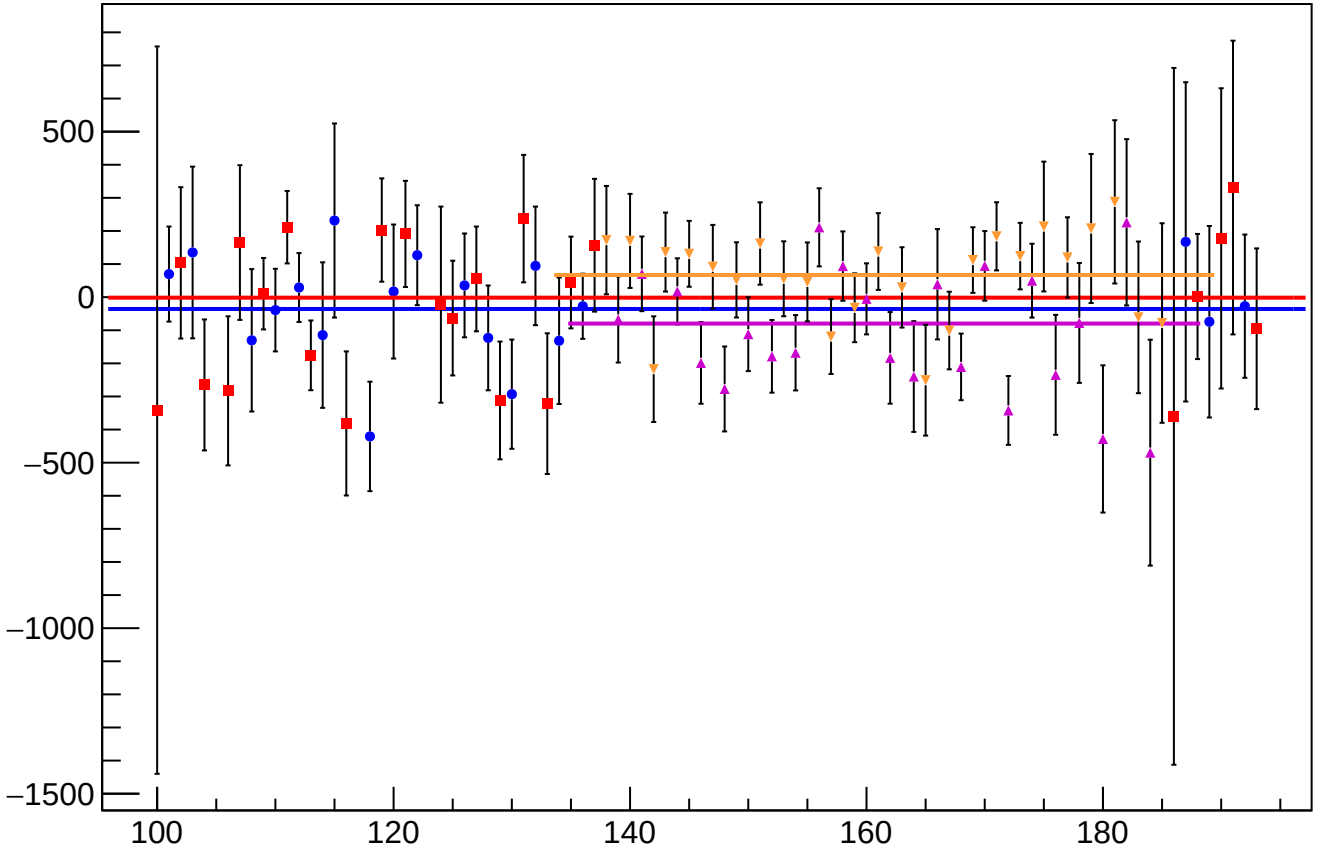
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 847.274+/-0.118 χ^2/NDF: 4511136.7/43

All: 849.297+/-0.084 χ^2/NDF: 10062885.4/90

- sign 851.362+/-0.119 χ^2/NDF: 5551152.5/46

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: -1.488+/-36.702 χ^2/NDF: 25.7/23

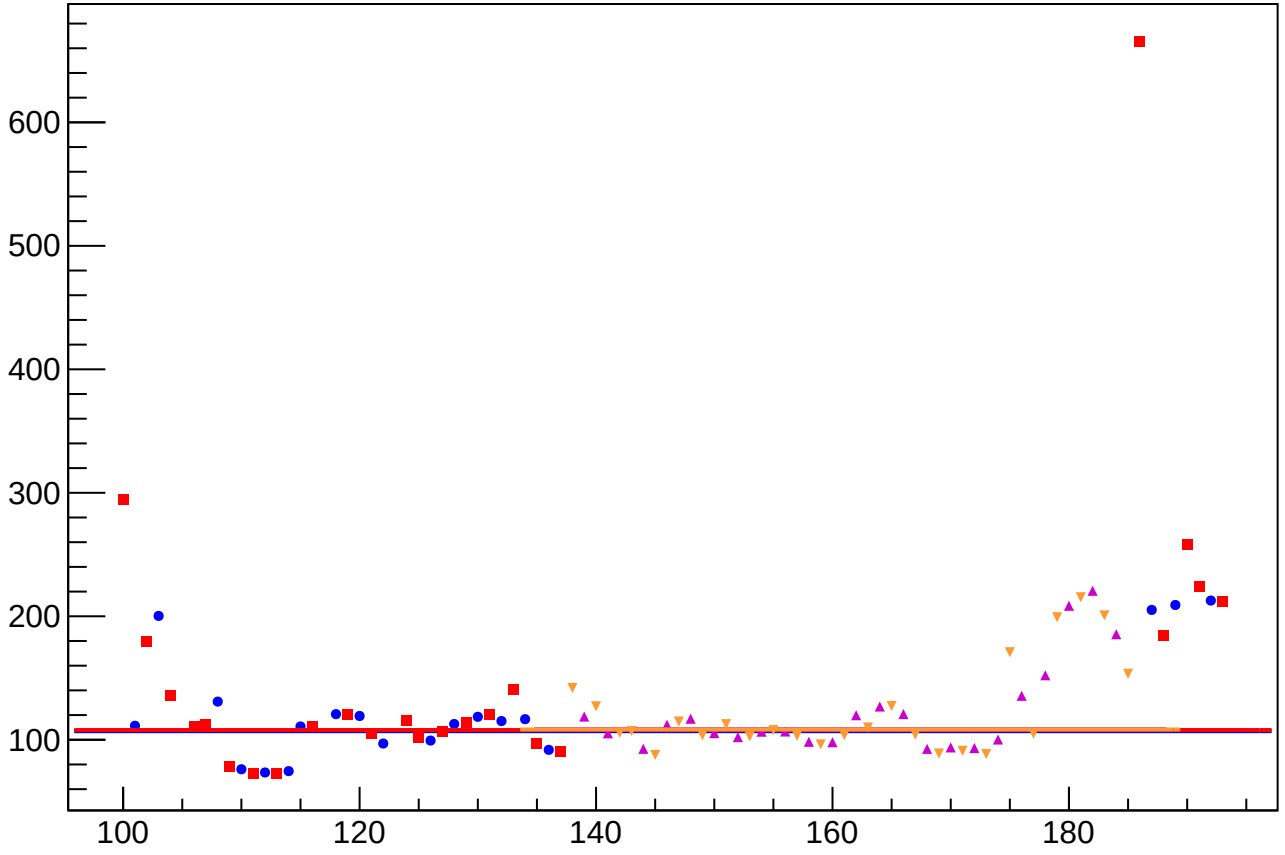
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 34.810+/-21.209 χ^2/NDF: 37.7/43

All: -8.851+/-15.056 χ^2/NDF: 111.9/90

- sign -53.210+/-21.377 χ^2/NDF: 65.7/46

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

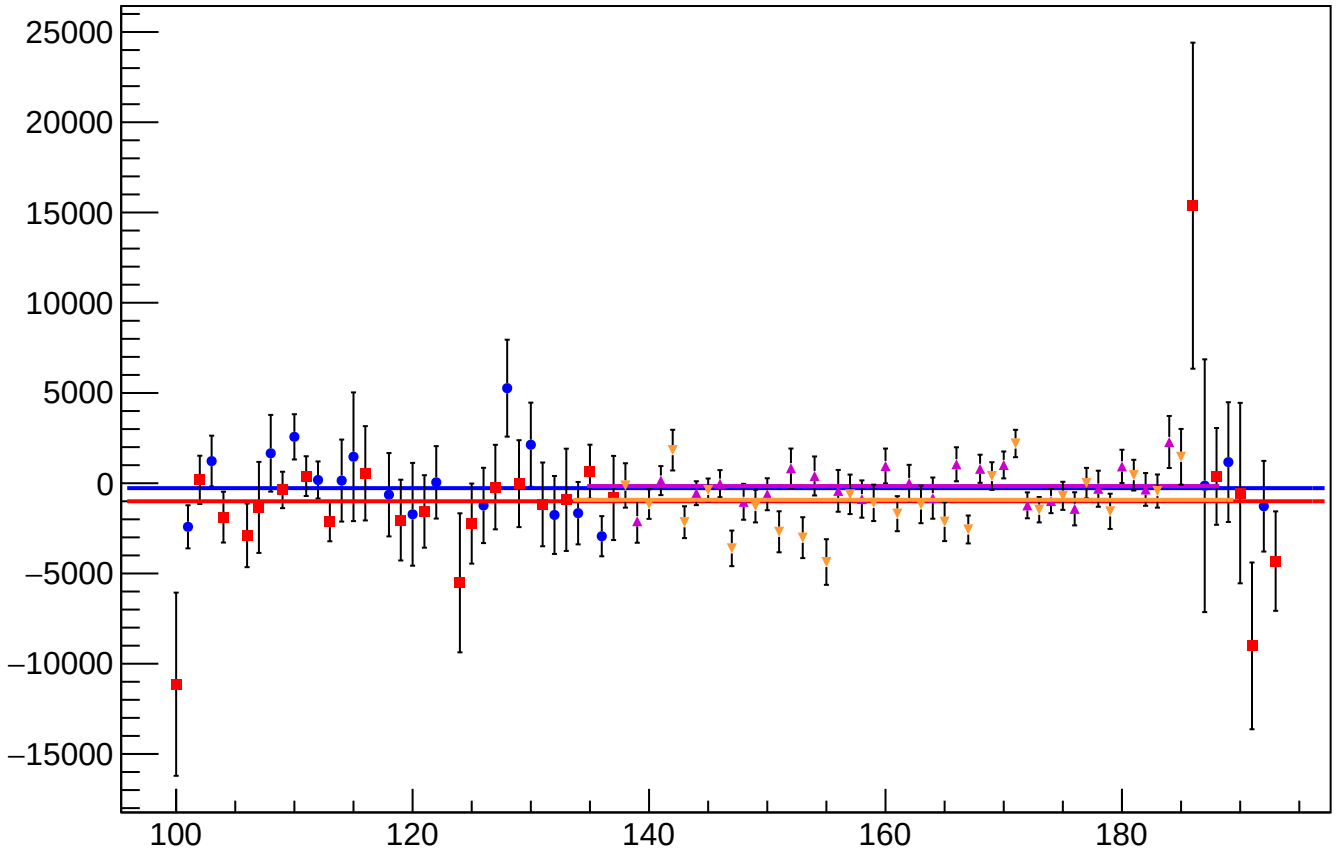
Right Out: 107.884+/-0.026 χ^2/NDF: 2586625.9/23

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 107.903+/-0.015 χ^2/NDF: 3349019.9/43

All: 108.093+/-0.011 χ^2/NDF: 7315712.6/90

- sign 108.286+/-0.015 χ^2/NDF: 3966368.4/46



Right In: -272.243+/-407.610 χ^2/NDF: 23.8/18

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

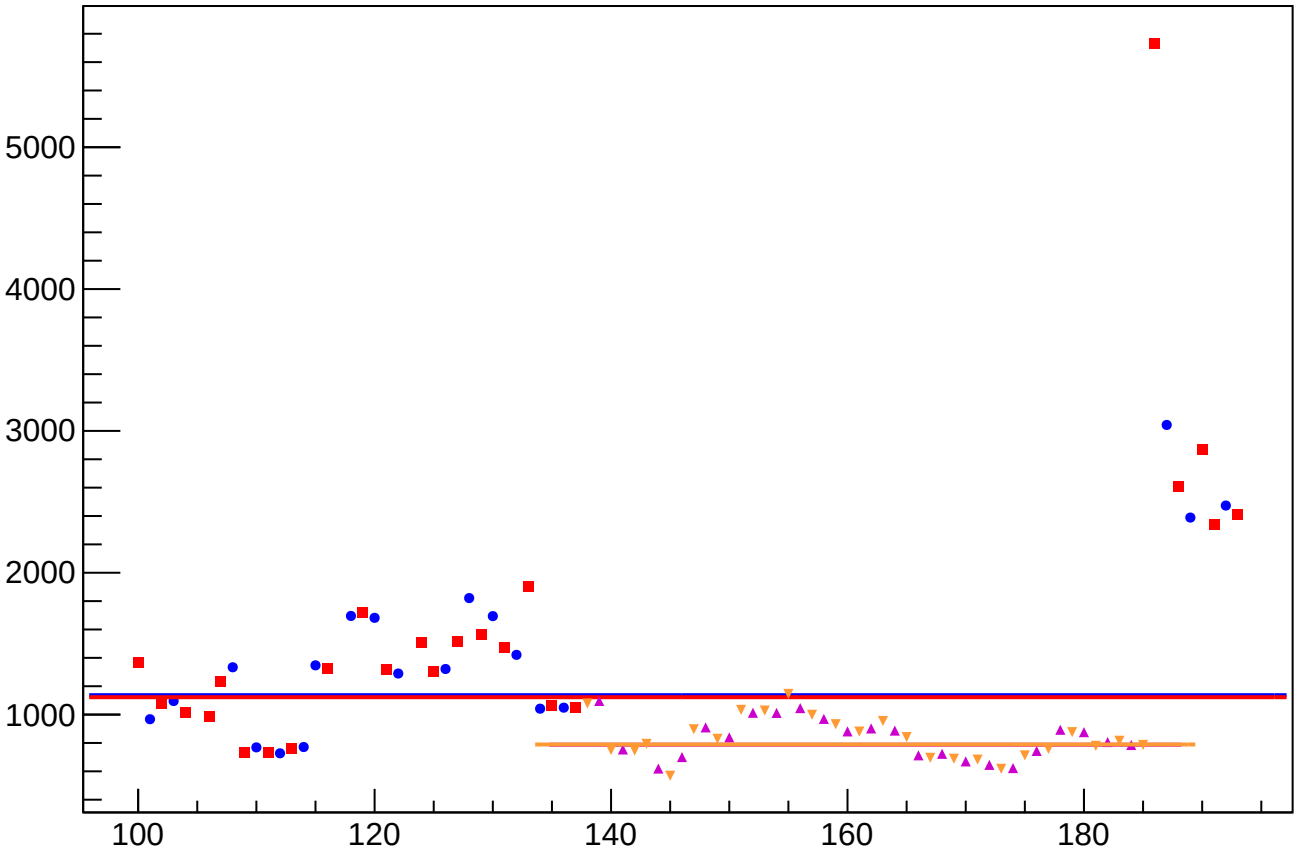
Right Out: -999.691+/-385.205 χ^2/NDF: 21.2/23

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -810.816+/-166.537 χ^2/NDF: 90.0/43

All: -566.505+/-118.381 χ^2/NDF: 142.5/90

- sign -316.967+/-168.309 χ^2/NDF: 48.1/46



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: 1122.479+/-0.272 χ^2/NDF: 3285246.4/23

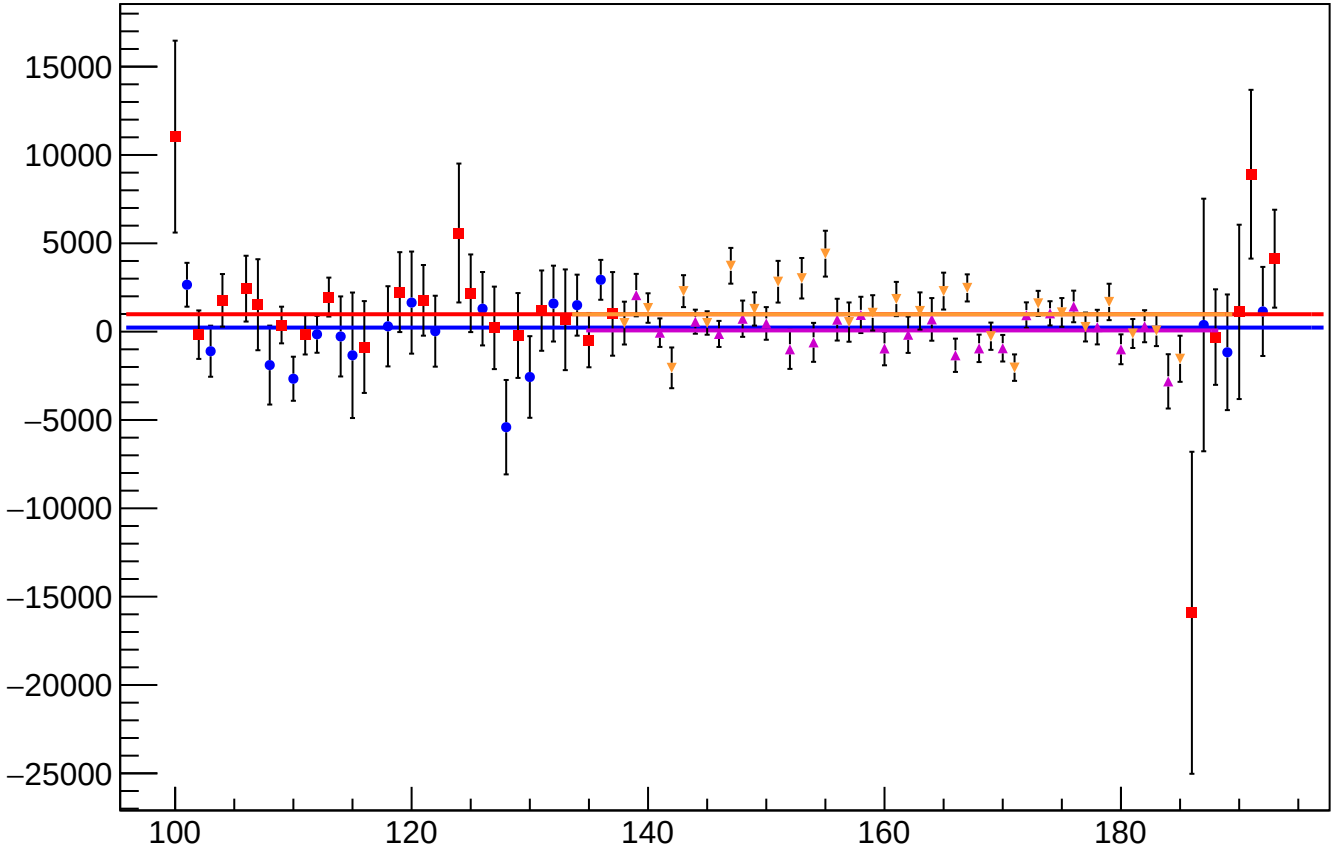
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 847.273+/-0.118 χ^2/NDF: 4511144.7/43

All: 849.295+/-0.084 χ^2/NDF: 10062896.3/90

- sign 851.361+/-0.119 χ^2/NDF: 5551155.4/46

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: 985.708+/-391.686 χ^2/NDF: 18.9/23

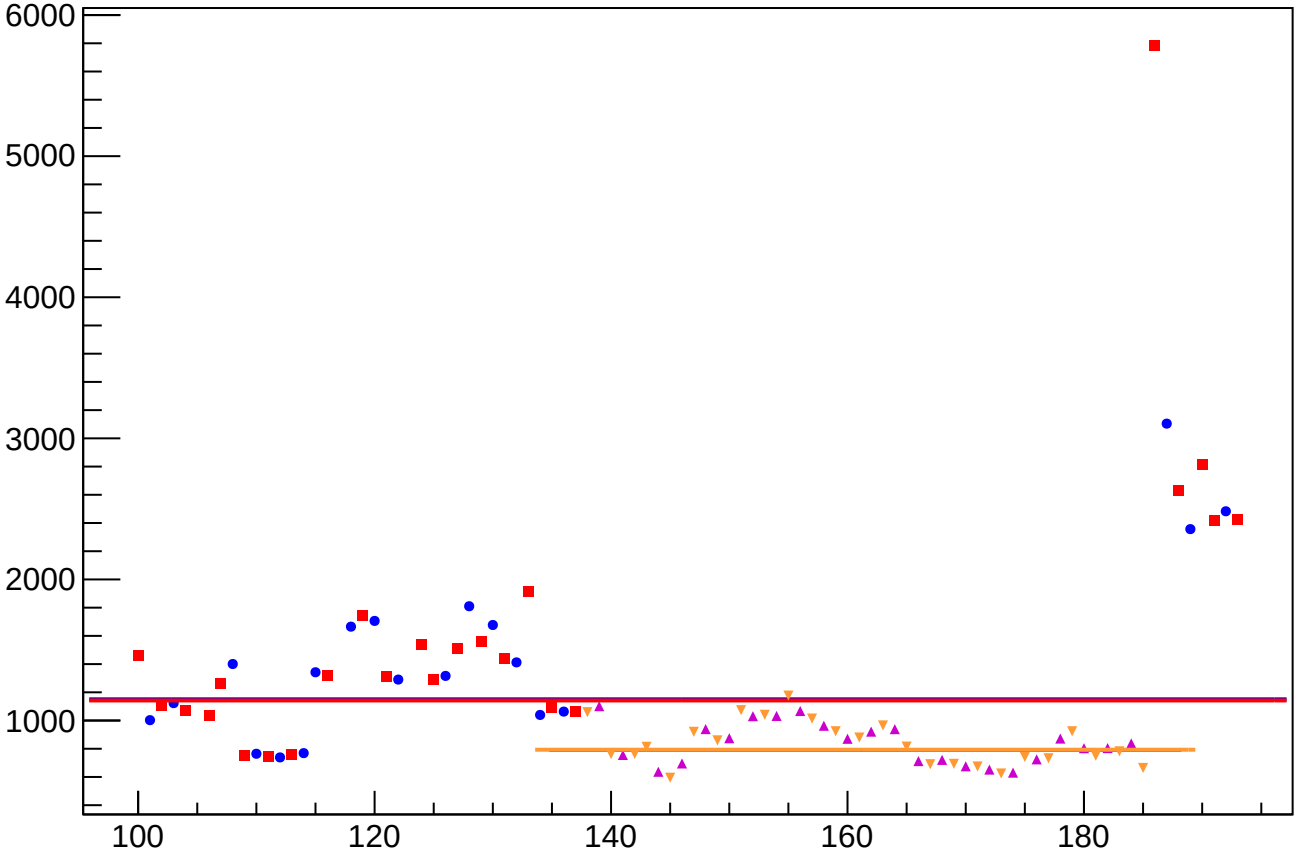
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 860.541+/-167.706 χ^2/NDF: 91.3/43

All: 554.381+/-119.220 χ^2/NDF: 145.8/90

- sign 241.583+/-169.514 χ^2/NDF: 47.8/46

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

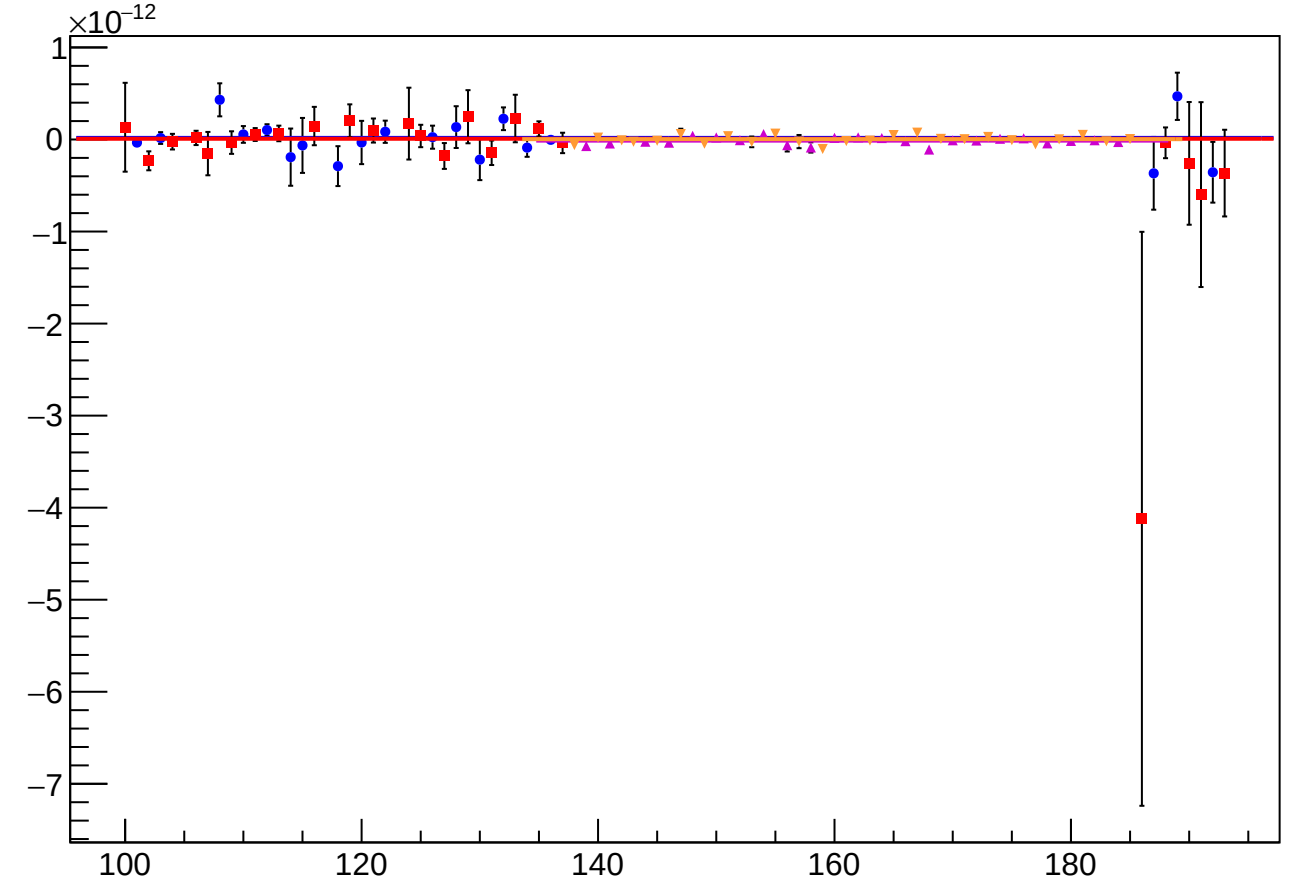
Right Out: 1142.376+/-0.277 χ^2/NDF: 3218632.3/23

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 852.229+/-0.119 χ^2/NDF: 4522000.4/43

All: 854.558+/-0.084 χ^2/NDF: 10097424.9/90

- sign 856.938+/-0.120 χ^2/NDF: 5574644.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

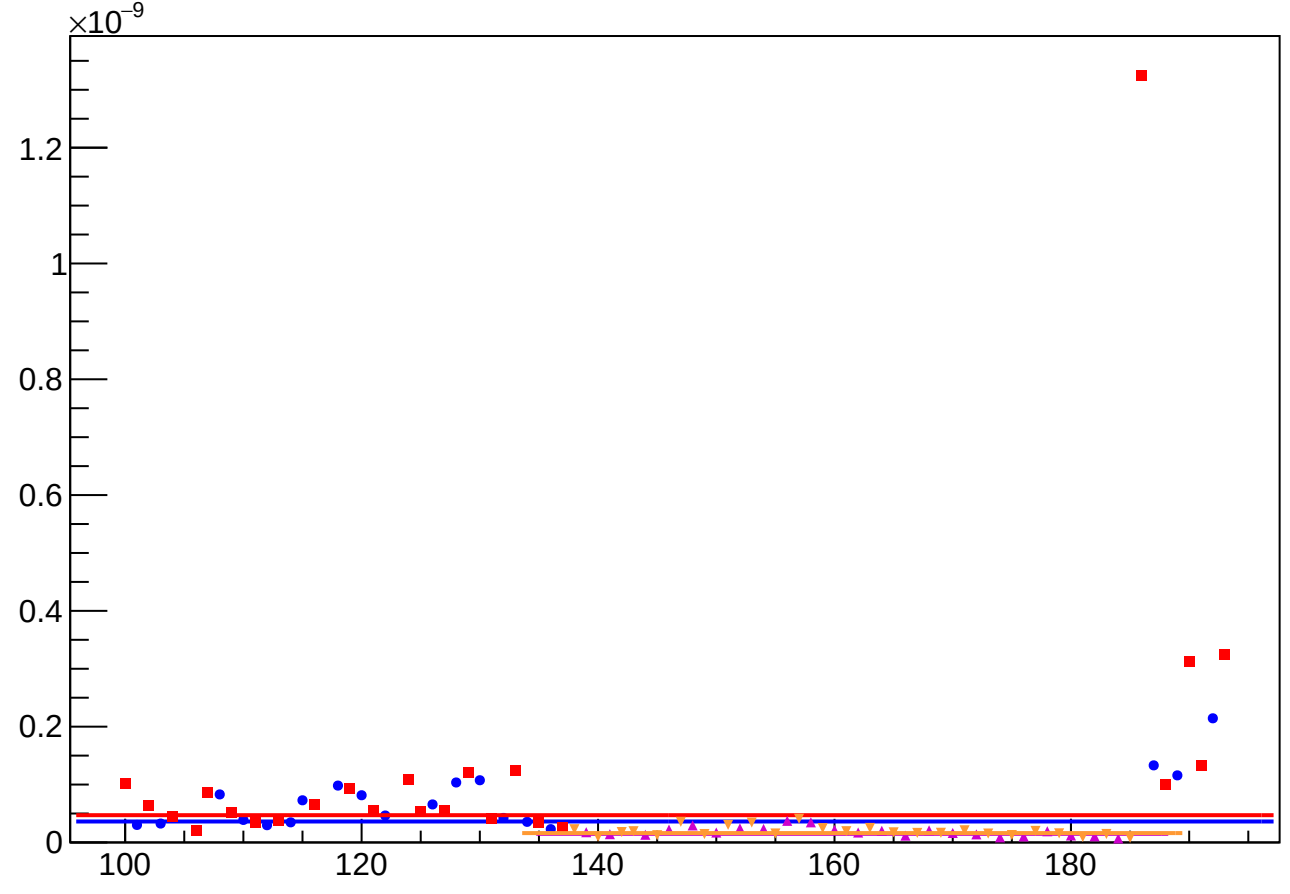
Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/23

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: 104.4/90

- sign -0.000+/-0.000 χ^2/NDF: 44.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 2096703.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

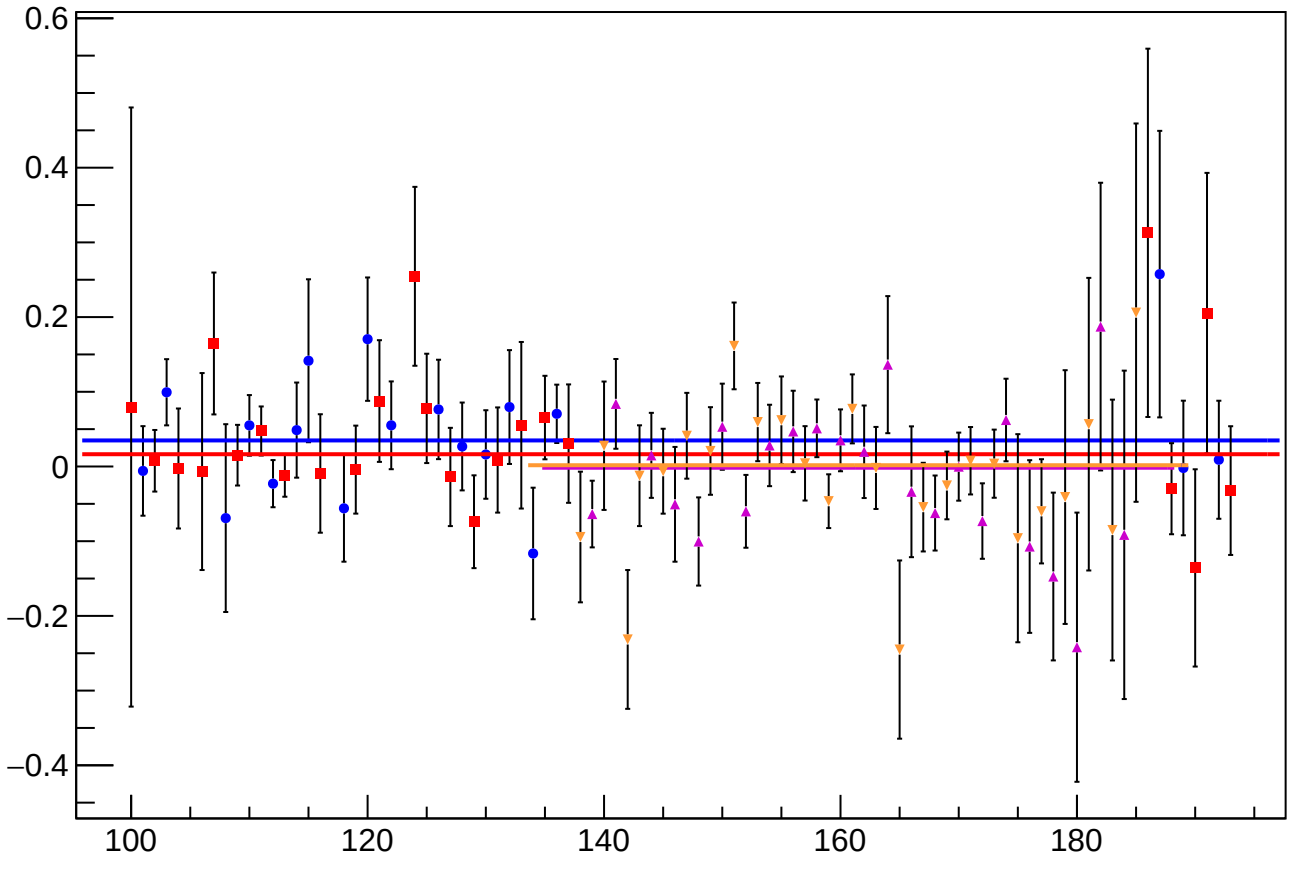
Right Out: 0.000+/-0.000 χ^2/NDF: 2657495.1/23

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: 12546243.2/90

- sign 0.000+/-0.000 χ^2/NDF: 7118481.2/46



Right In: 0.035+/-0.013 χ^2/NDF: 18.6/18

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

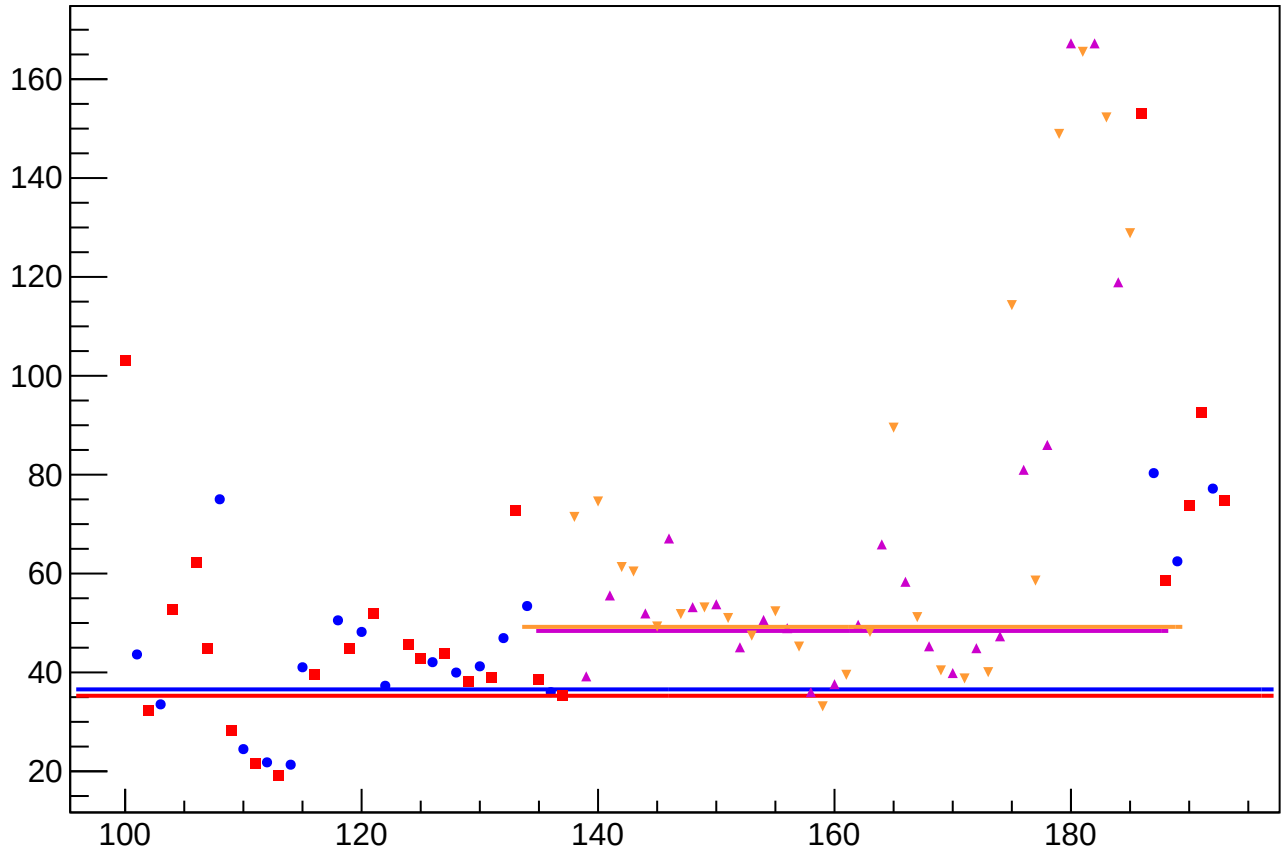
Right Out: 0.016+/-0.013 χ^2/NDF: 18.1/23

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: 98.1/90

- sign 0.007+/-0.009 χ^2/NDF: 45.2/46



Right In: 36.569+/-0.010 χ^2/NDF: 2014836.9/18

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

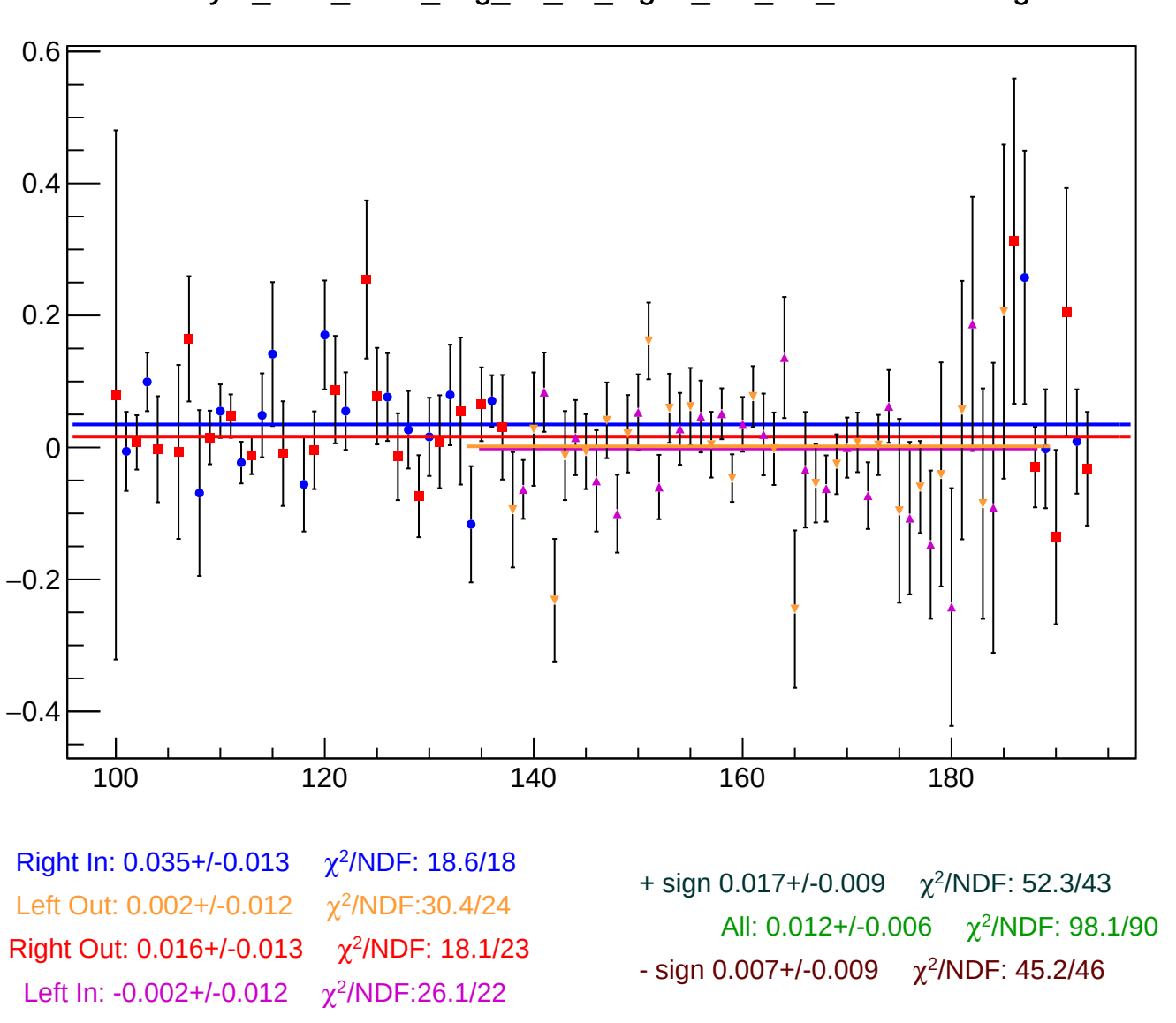
Right Out: 35.278+/-0.009 χ^2/NDF: 3303566.0/23

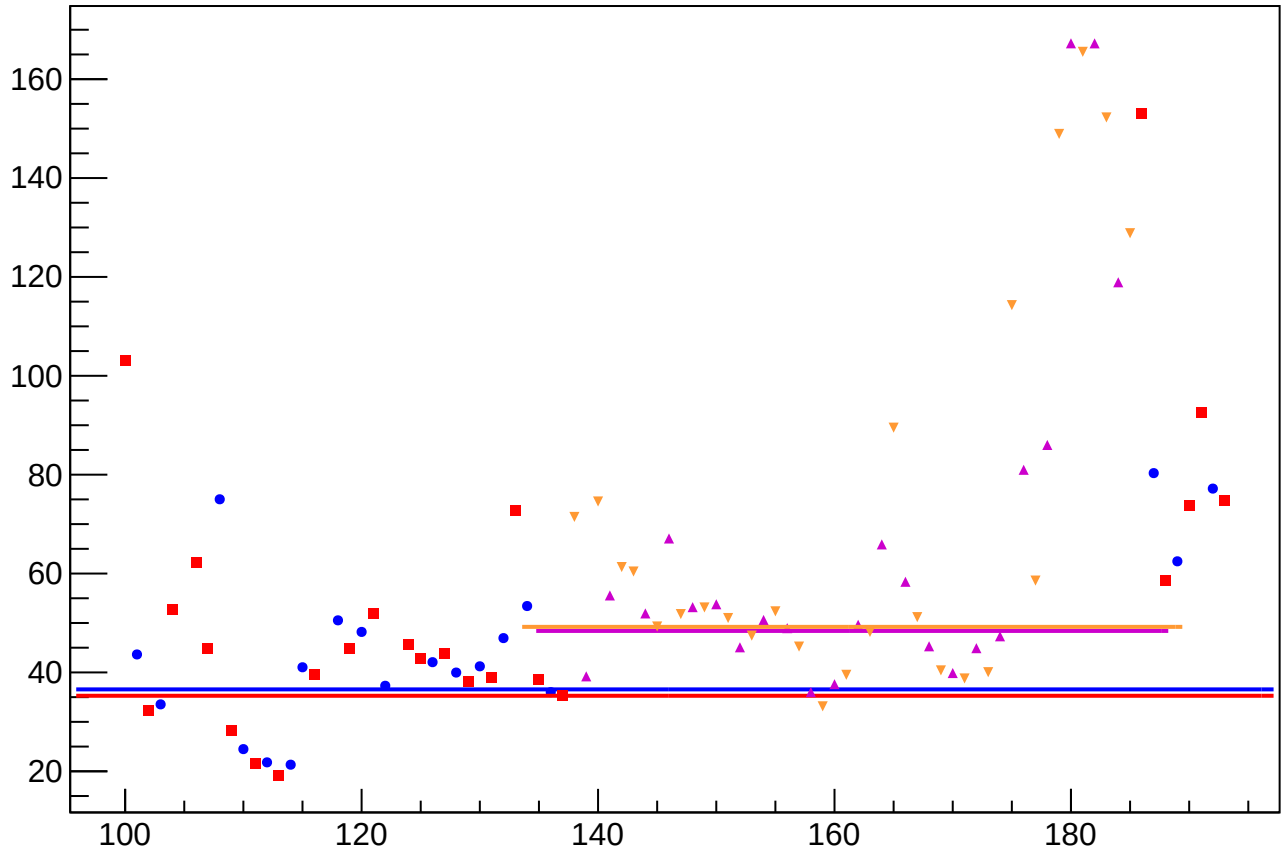
Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 43.477+/-0.006 χ^2/NDF: 7146411.6/43

All: 42.690+/-0.004 χ^2/NDF: 14616831.7/90

- sign 41.948+/-0.006 χ^2/NDF: 7441278.3/46


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
Right In: 0.035+/-0.013 χ²/NDF: 18.6/18
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.016+/-0.013 χ²/NDF: 18.1/23
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.017+/-0.009 χ²/NDF: 52.3/43
All: 0.012+/-0.006 χ²/NDF: 98.1/90
- sign 0.007+/-0.009 χ²/NDF: 45.2/46



Right In: 36.569+/-0.010 χ^2/NDF: 2014836.9/18

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

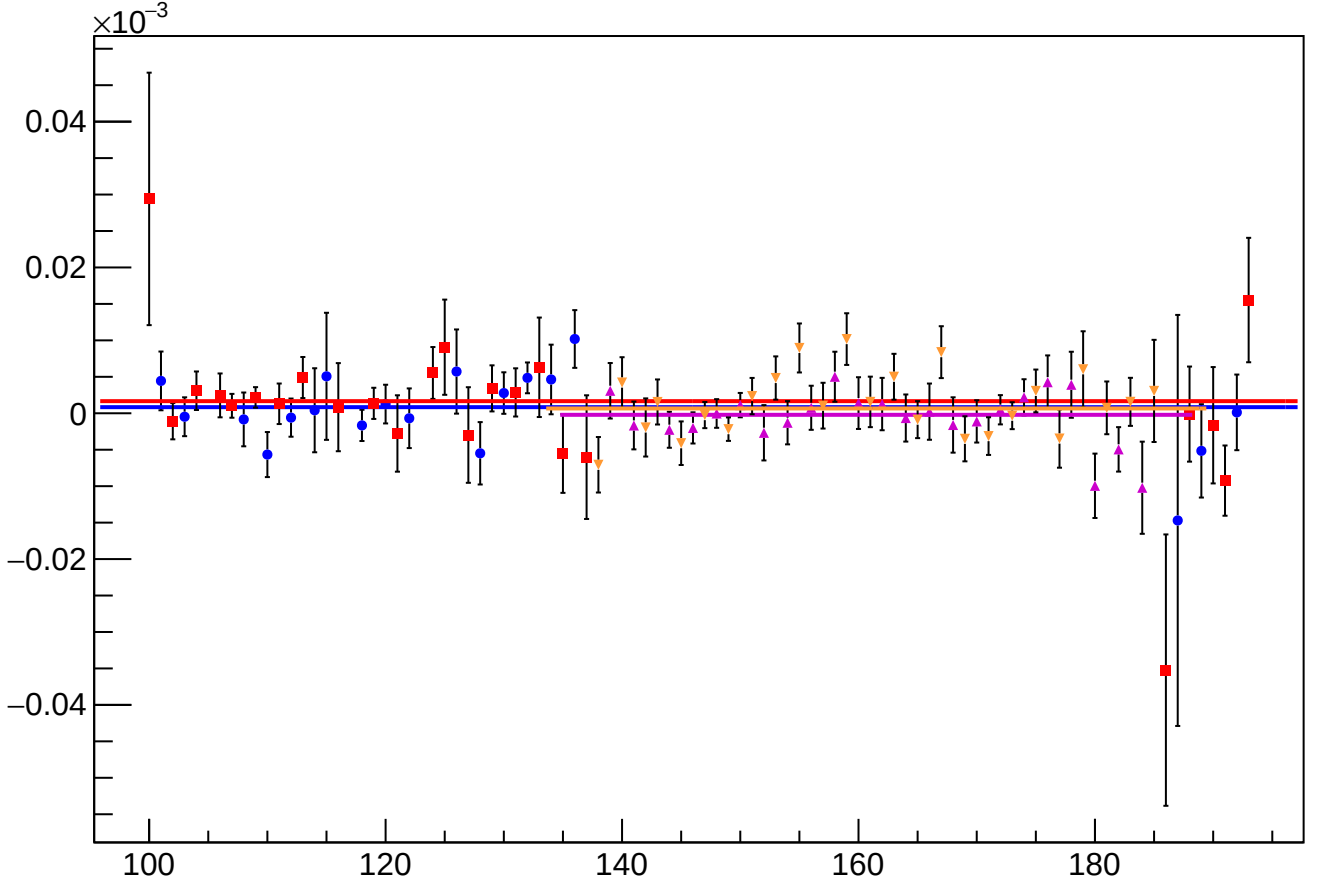
Right Out: 35.278+/-0.009 χ^2/NDF: 3303566.0/23

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 43.477+/-0.006 χ^2/NDF: 7146411.6/43

All: 42.690+/-0.004 χ^2/NDF: 14616831.7/90

- sign 41.948+/-0.006 χ^2/NDF: 7441278.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

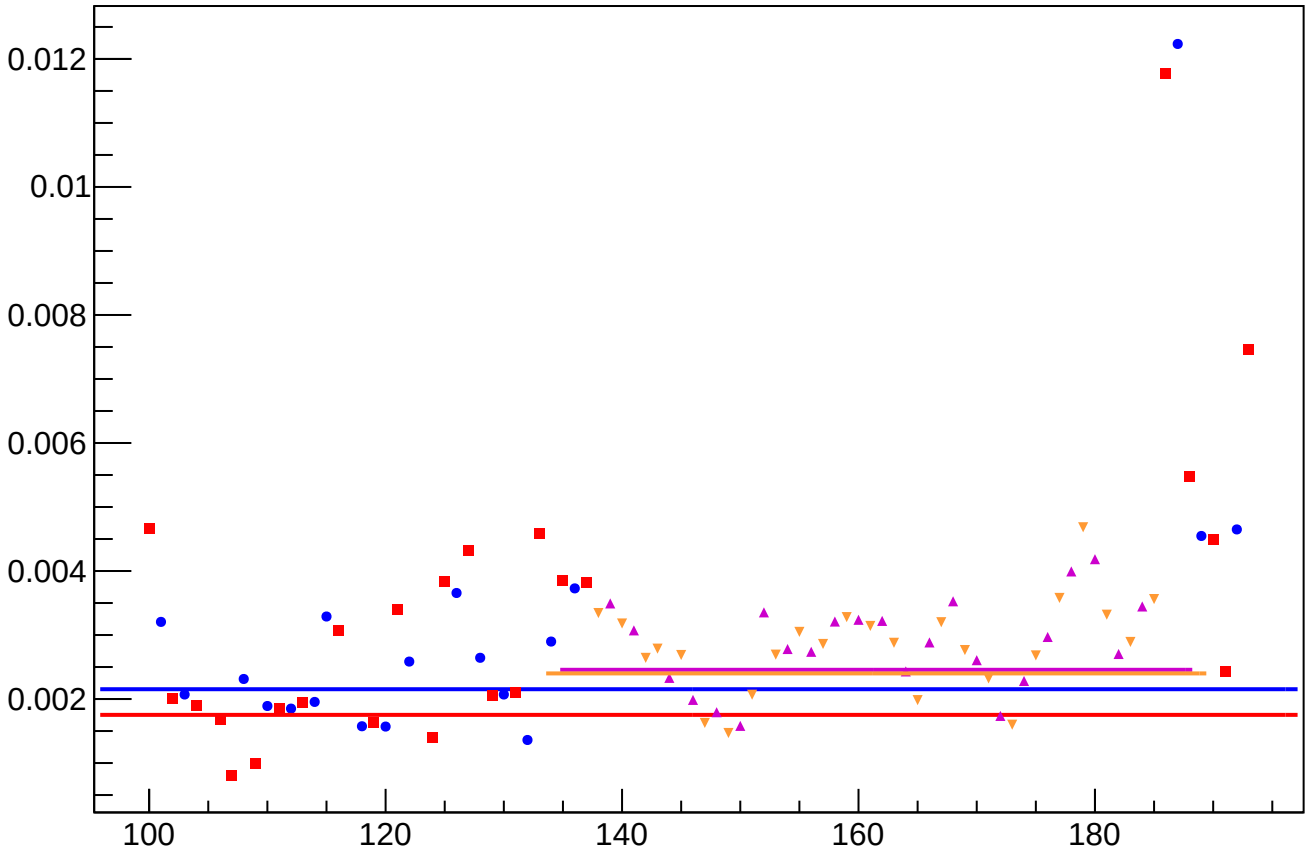
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/23

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: 113.0/90

- sign 0.000+/-0.000 χ^2/NDF: 49.1/46



Right In: 0.002+/-0.000 χ^2/NDF: 2294331.5/18

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

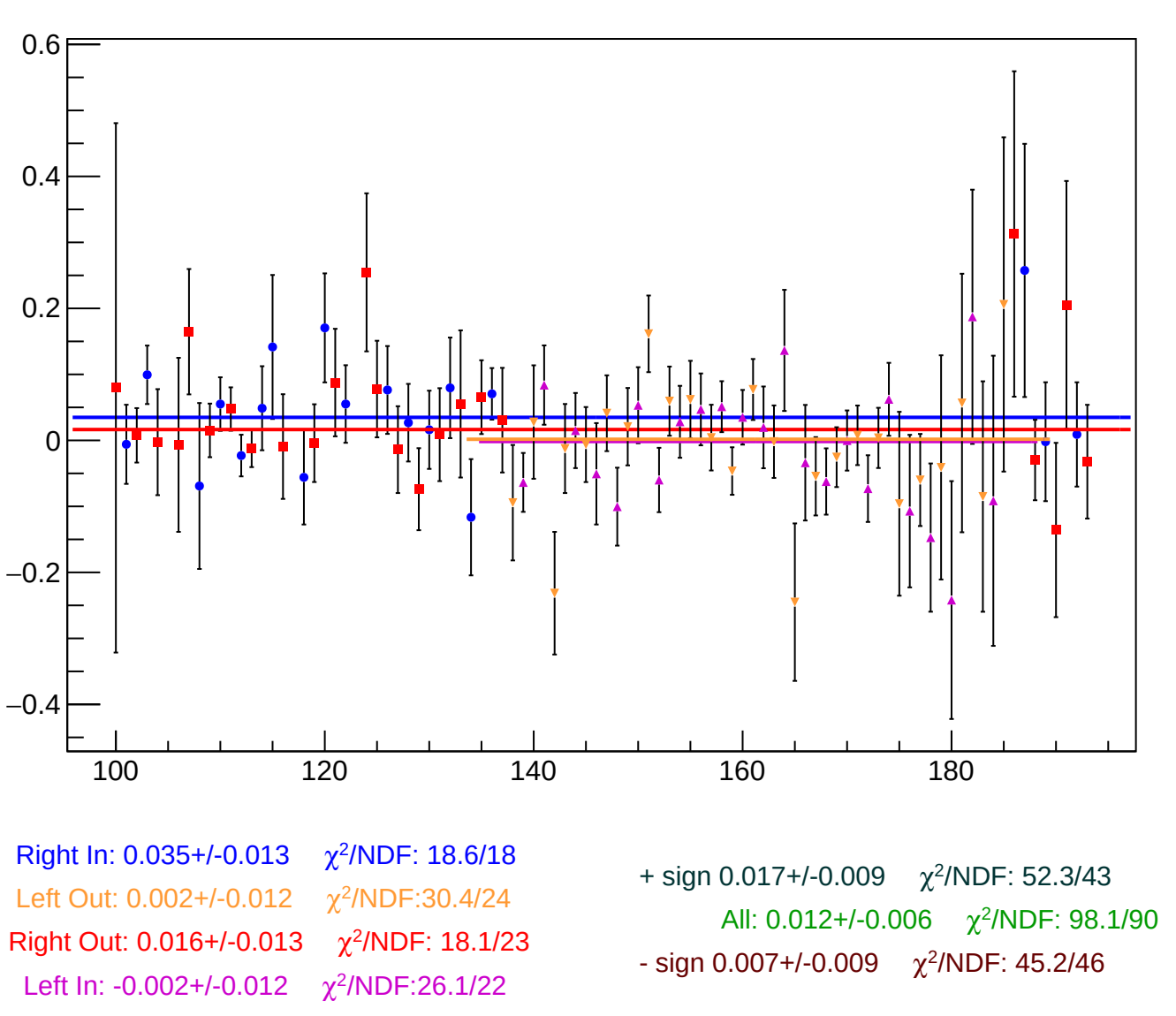
Right Out: 0.002+/-0.000 χ^2/NDF: 5395057.0/23

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

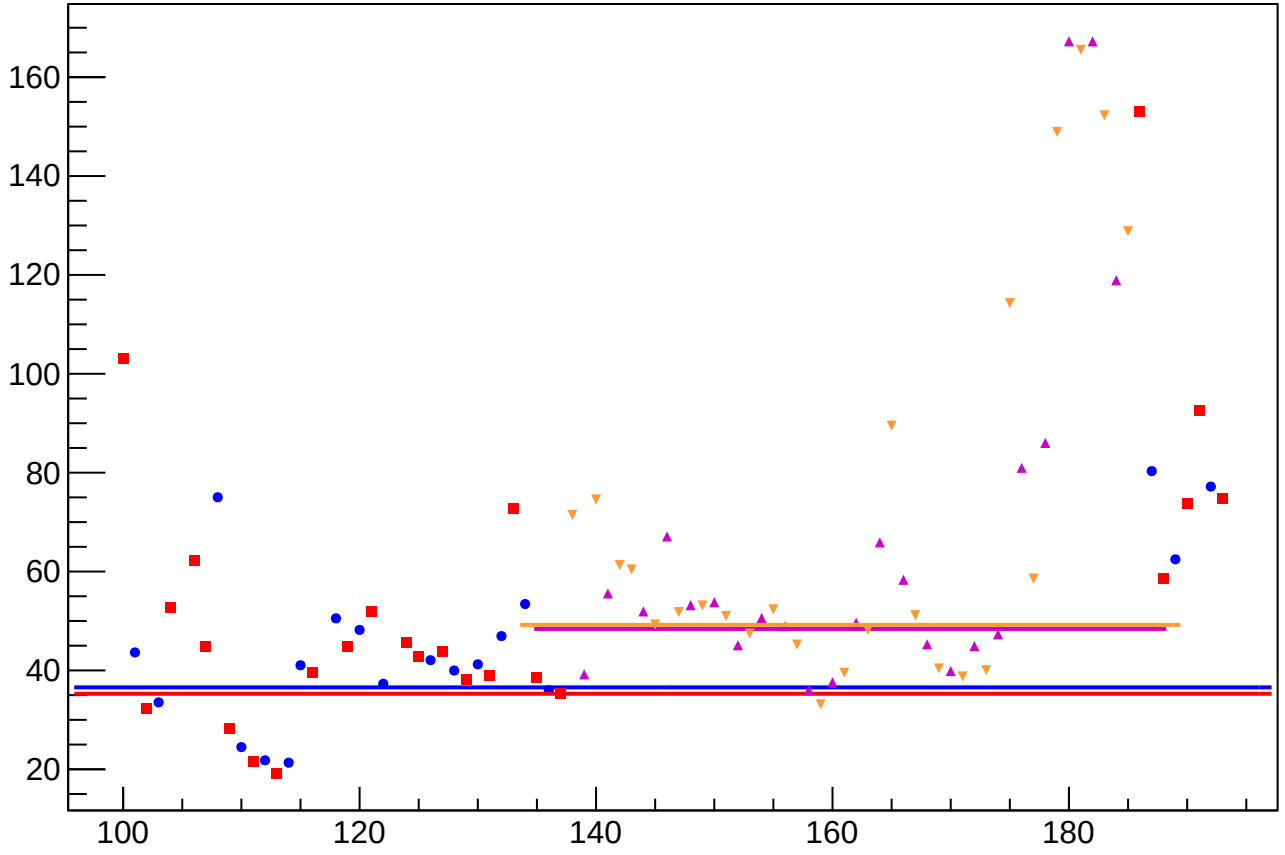
+ sign 0.002+/-0.000 χ^2/NDF: 5545613.5/43

All: 0.002+/-0.000 χ^2/NDF: 14980706.8/90

- sign 0.002+/-0.000 χ^2/NDF: 9277312.7/46


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
Right In: 0.035+/-0.013 χ²/NDF: 18.6/18
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.016+/-0.013 χ²/NDF: 18.1/23
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.017+/-0.009 χ²/NDF: 52.3/43
All: 0.012+/-0.006 χ²/NDF: 98.1/90
- sign 0.007+/-0.009 χ²/NDF: 45.2/46

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 36.569+/-0.010 χ^2/NDF: 2014769.9/18

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

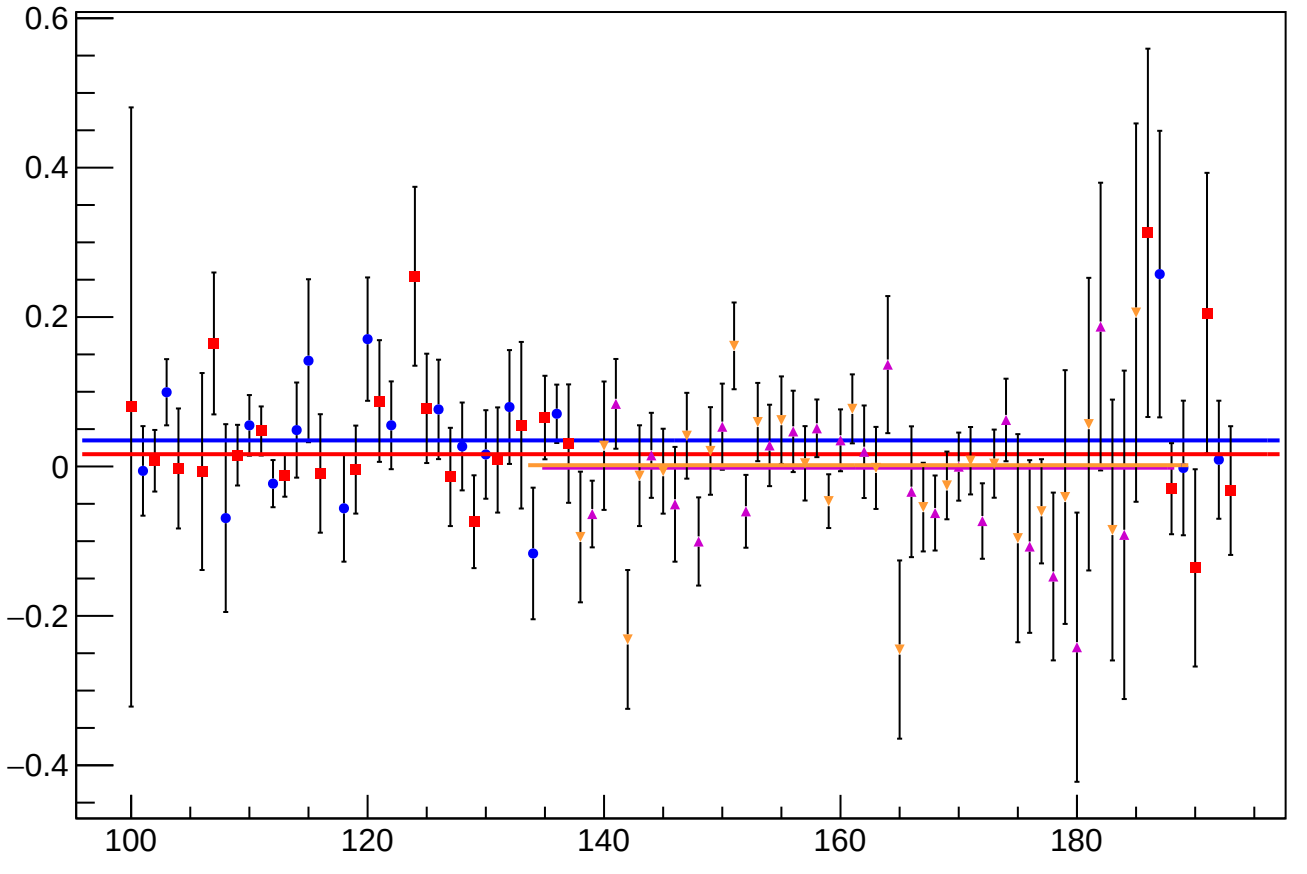
Right Out: 35.279+/-0.009 χ^2/NDF: 3303548.8/23

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 43.478+/-0.006 χ^2/NDF: 7146333.4/43

All: 42.691+/-0.004 χ^2/NDF: 14616700.2/90

- sign 41.949+/-0.006 χ^2/NDF: 7441227.1/46



Right In: 0.035+/-0.013 χ^2/NDF: 18.6/18

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

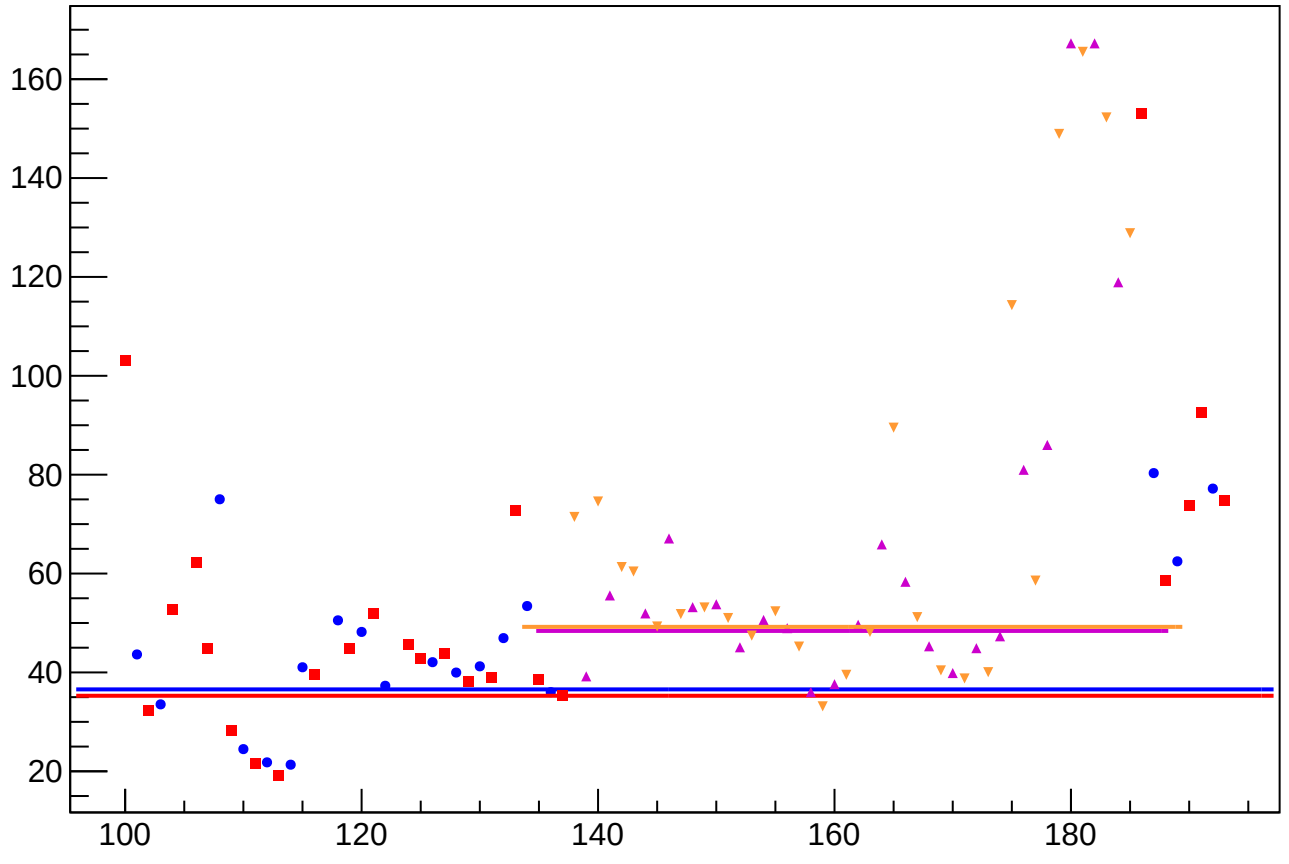
Right Out: 0.016+/-0.013 χ^2/NDF: 18.1/23

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: 98.1/90

- sign 0.007+/-0.009 χ^2/NDF: 45.2/46



Right In: 36.569+/-0.010 χ^2/NDF: 2014769.9/18

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

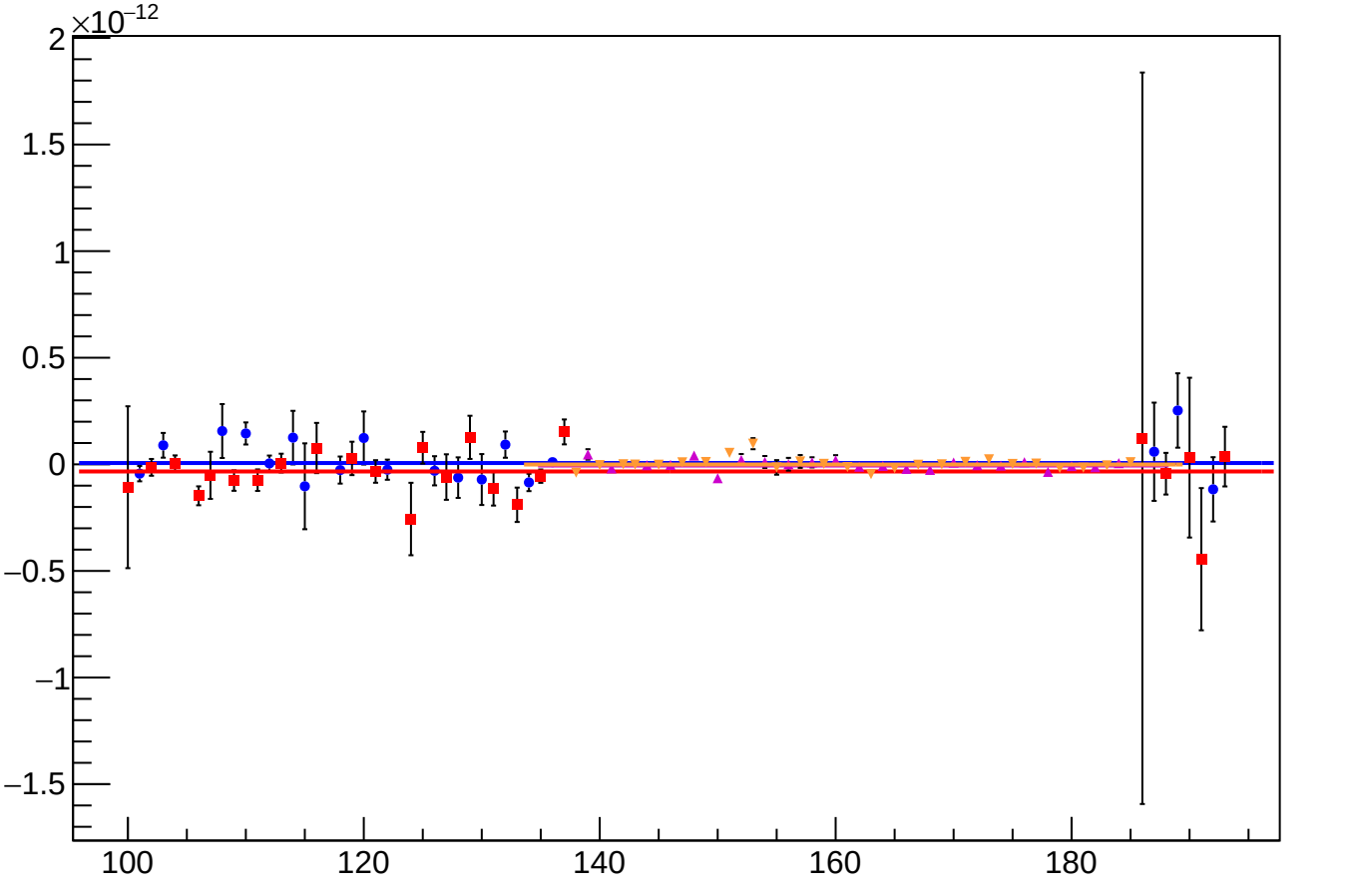
Right Out: 35.279+/-0.009 χ^2/NDF: 3303548.8/23

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 43.478+/-0.006 χ^2/NDF: 7146333.4/43

All: 42.691+/-0.004 χ^2/NDF: 14616700.2/90

- sign 41.949+/-0.006 χ^2/NDF: 7441227.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

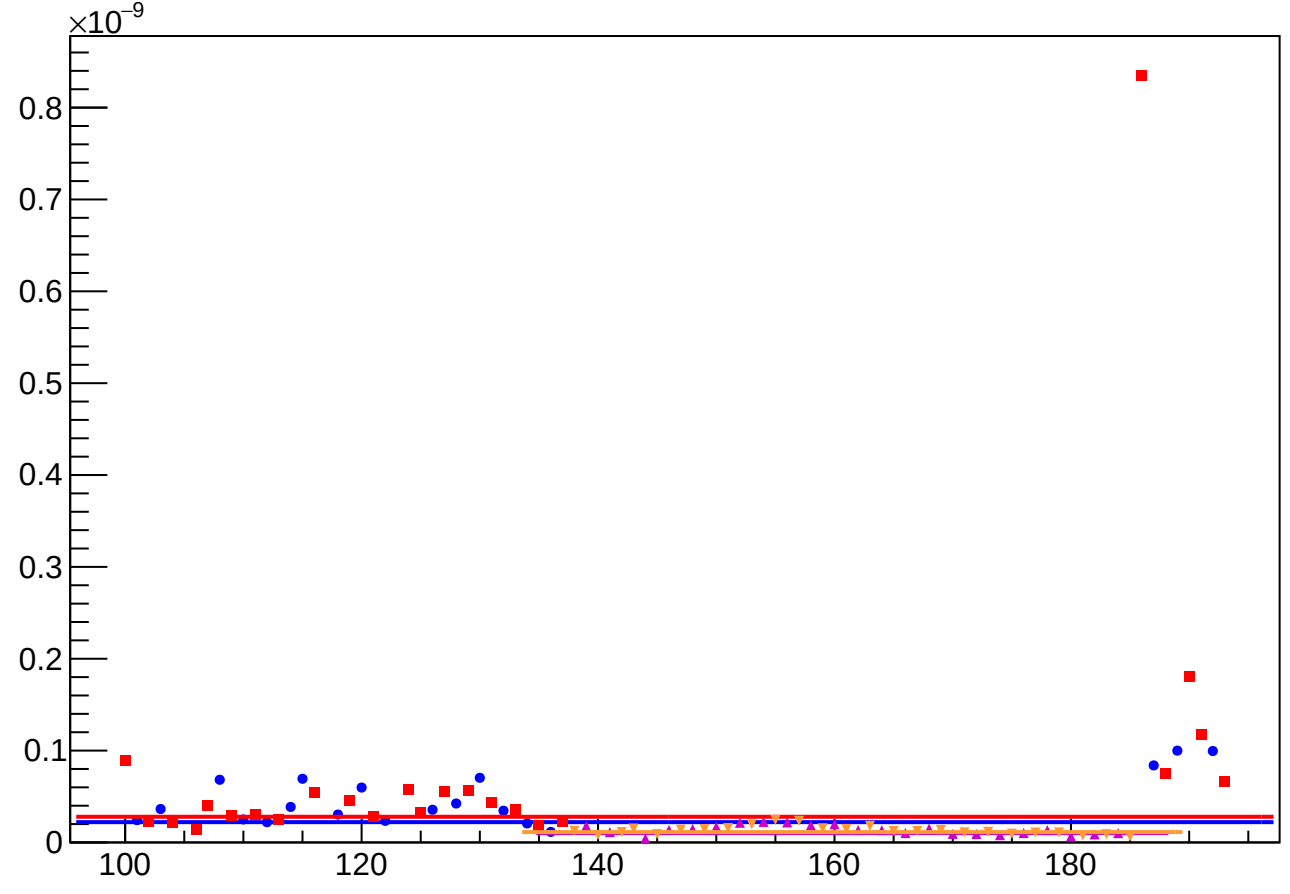
Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/23

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: 134.2/90

- sign -0.000+/-0.000 χ^2/NDF: 68.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 3164262.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2772319.0/23

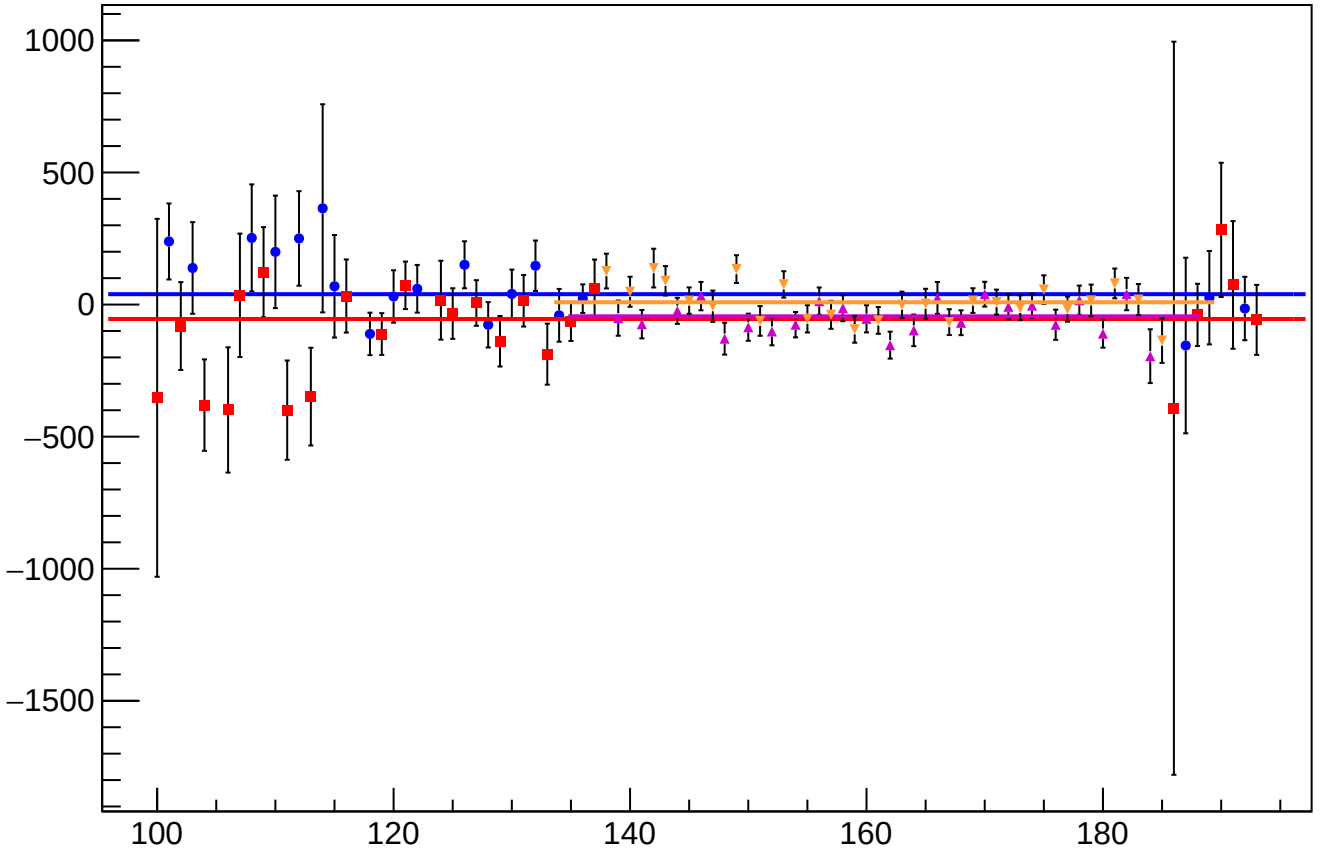
Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7046124.8/43

All: 0.000+/-0.000 χ^2/NDF: 17562656.6/90

- sign 0.000+/-0.000 χ^2/NDF: 10423645.3/46

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: -54.657+/-25.442 χ^2/NDF: 22.6/23

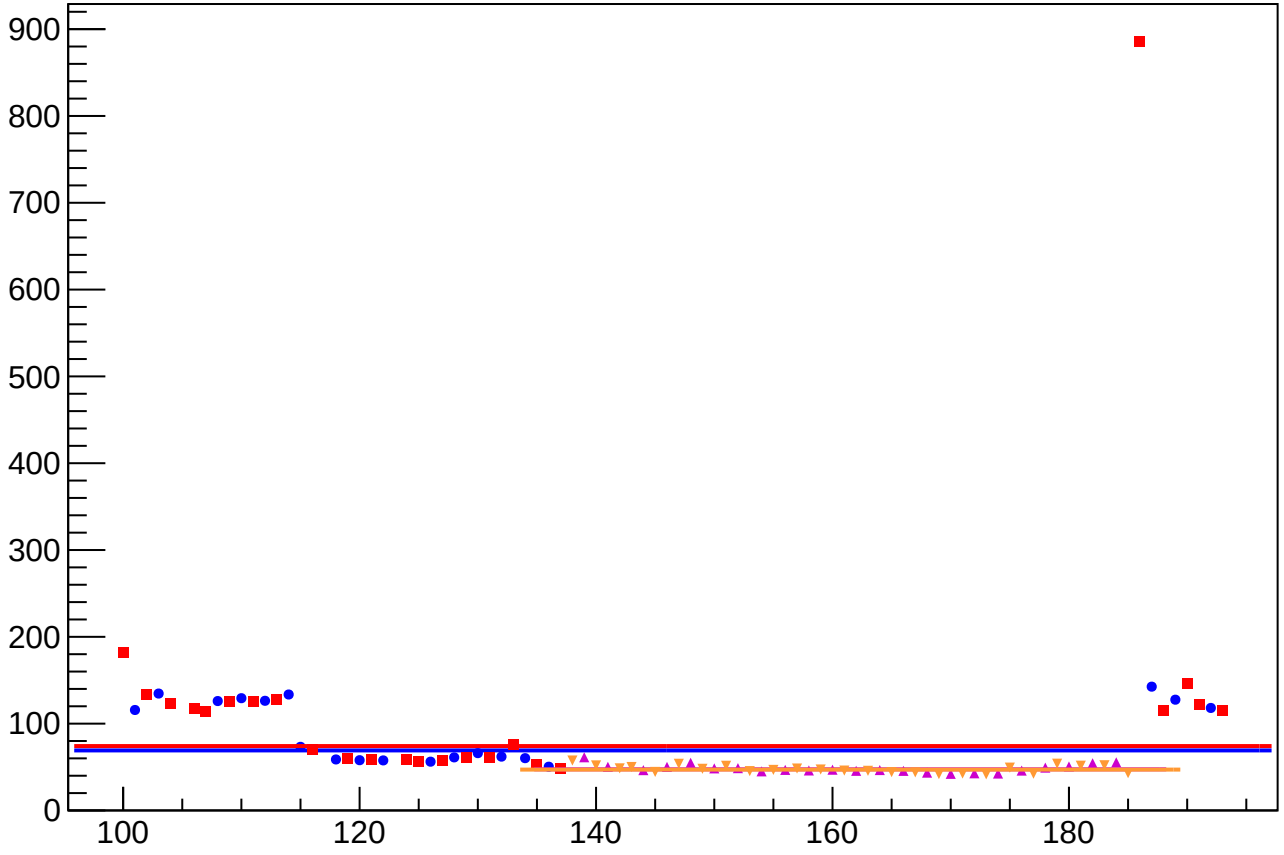
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 13.574+/-9.884 χ^2/NDF: 51.4/43

All: -15.325+/-7.102 χ^2/NDF: 118.8/90

- sign -46.171+/-10.211 χ^2/NDF: 49.7/46

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

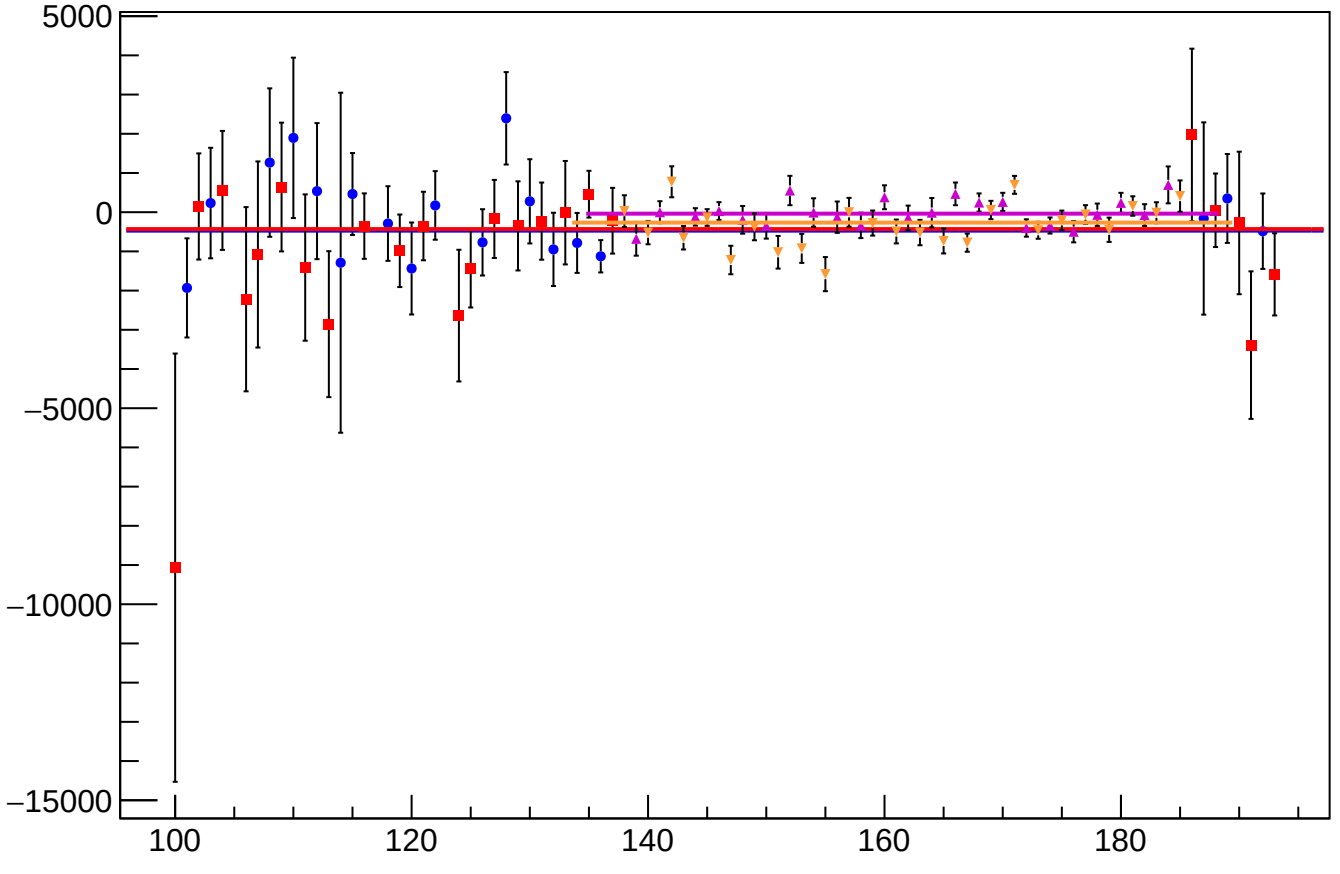
Right Out: 74.168+/-0.018 χ^2/NDF: 3075893.4/23

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.549+/-0.007 χ^2/NDF: 3756645.4/43

All: 51.105+/-0.005 χ^2/NDF: 8976111.2/90

- sign 51.698+/-0.007 χ^2/NDF: 5206391.2/46



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: -431.349+/-235.372 χ^2/NDF: 16.9/23

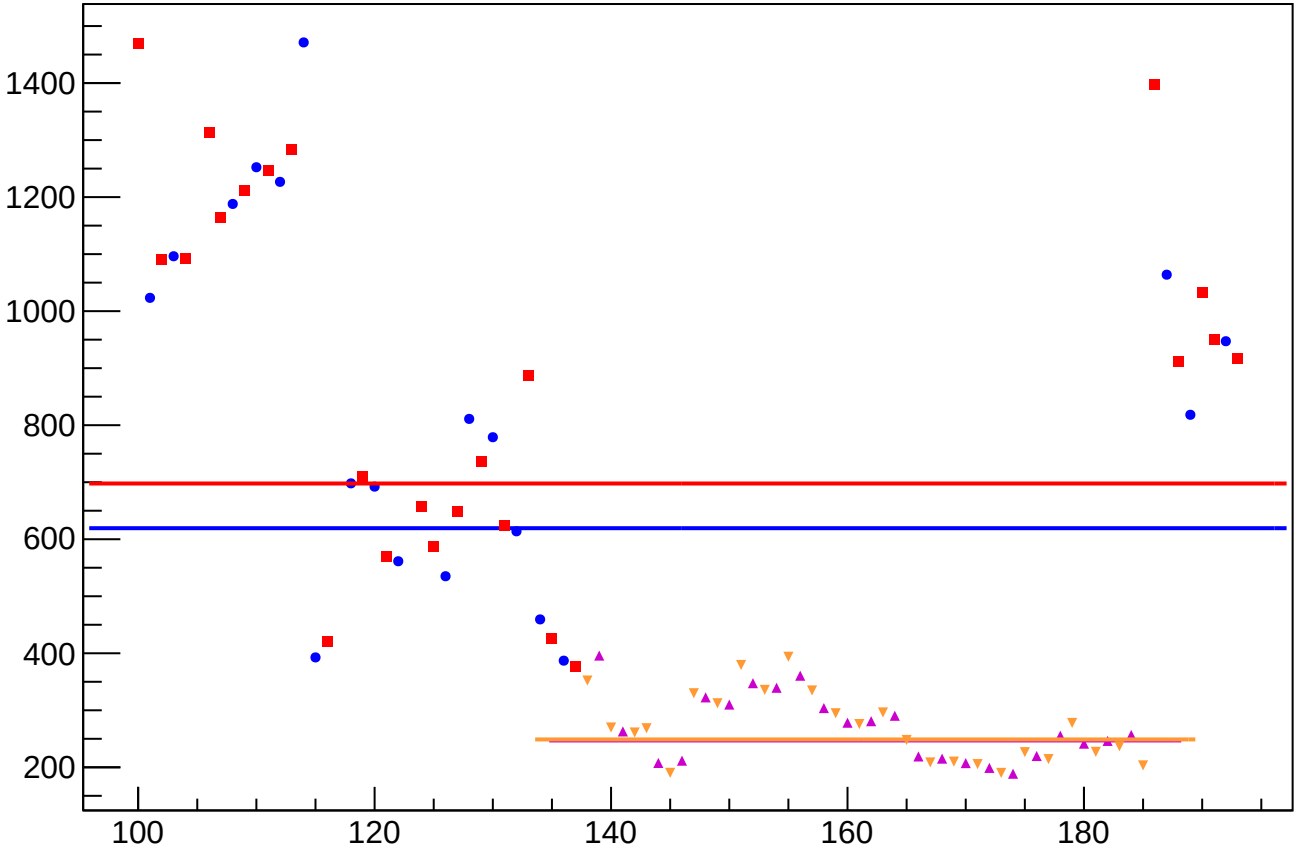
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -278.485+/-56.185 χ^2/NDF: 86.8/43

All: -171.987+/-40.143 χ^2/NDF: 140.3/90

- sign -60.930+/-57.375 χ^2/NDF: 46.2/46

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: 697.747+/-0.166 χ^2/NDF: 2680090.3/23

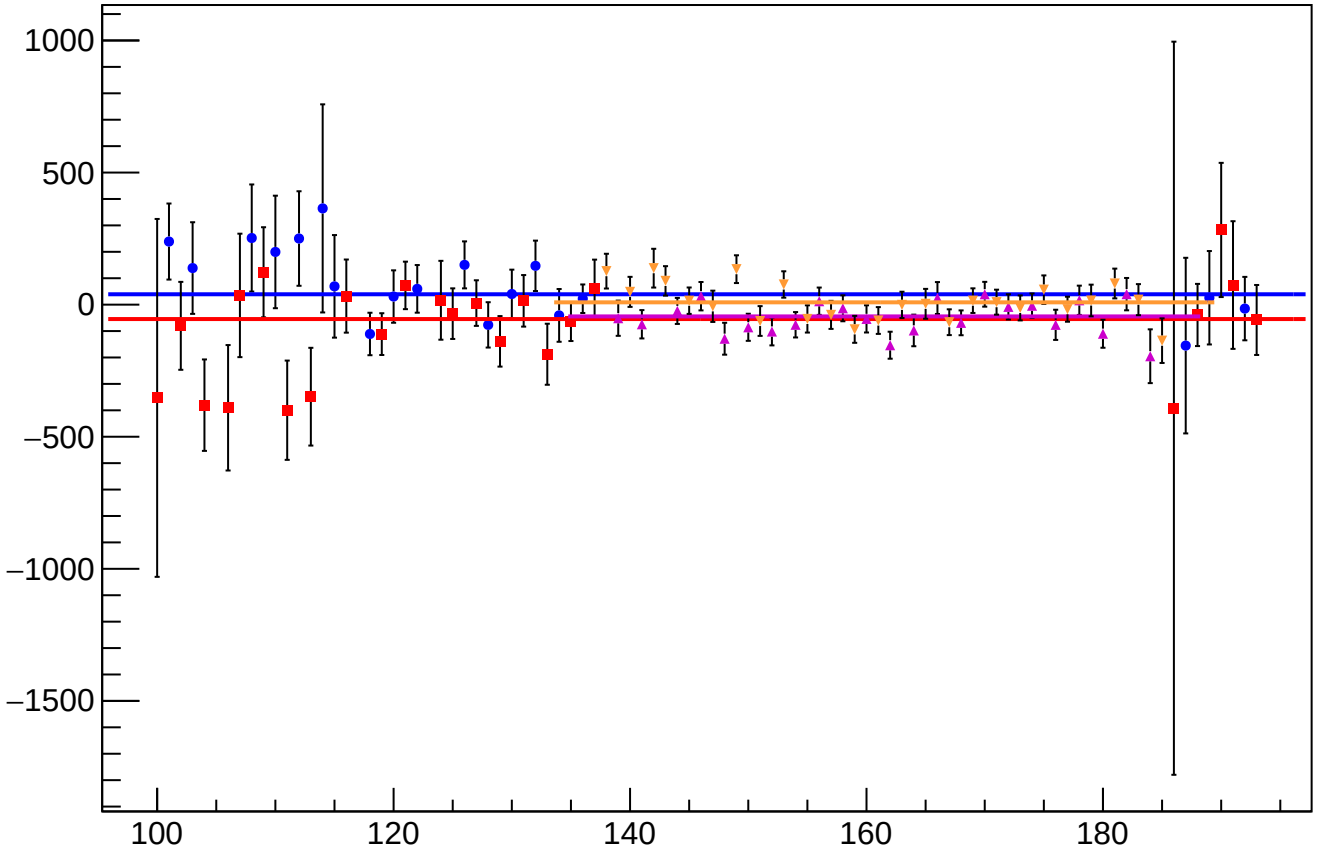
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 272.089+/-0.040 χ^2/NDF: 9218652.4/43

All: 272.969+/-0.028 χ^2/NDF: 20279768.2/90

- sign 273.886+/-0.041 χ^2/NDF: 11060114.2/46

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: -54.522+/-25.443 χ^2/NDF: 22.5/23

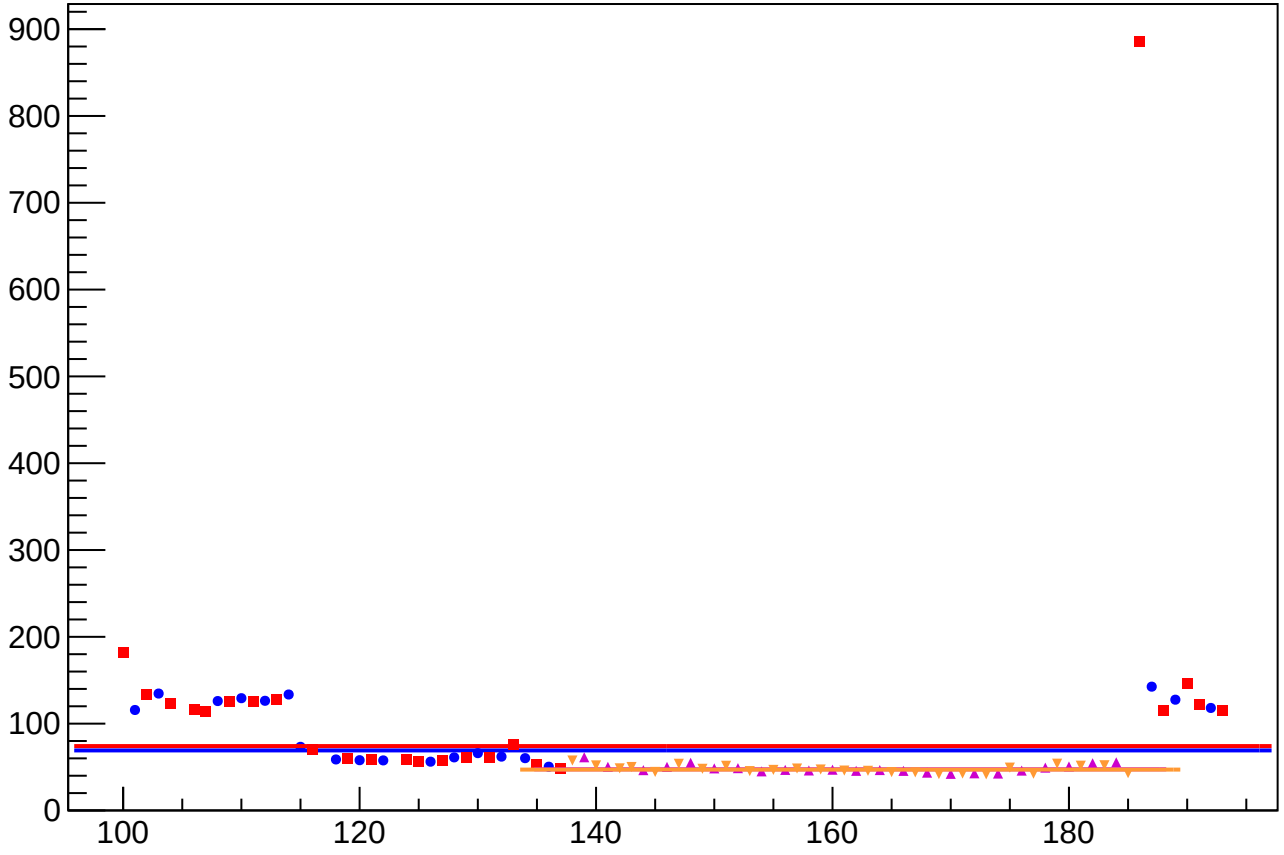
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.575+/-9.884 χ^2/NDF: 51.4/43

All: -15.313+/-7.102 χ^2/NDF: 118.7/90

- sign -46.148+/-10.211 χ^2/NDF: 49.6/46

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

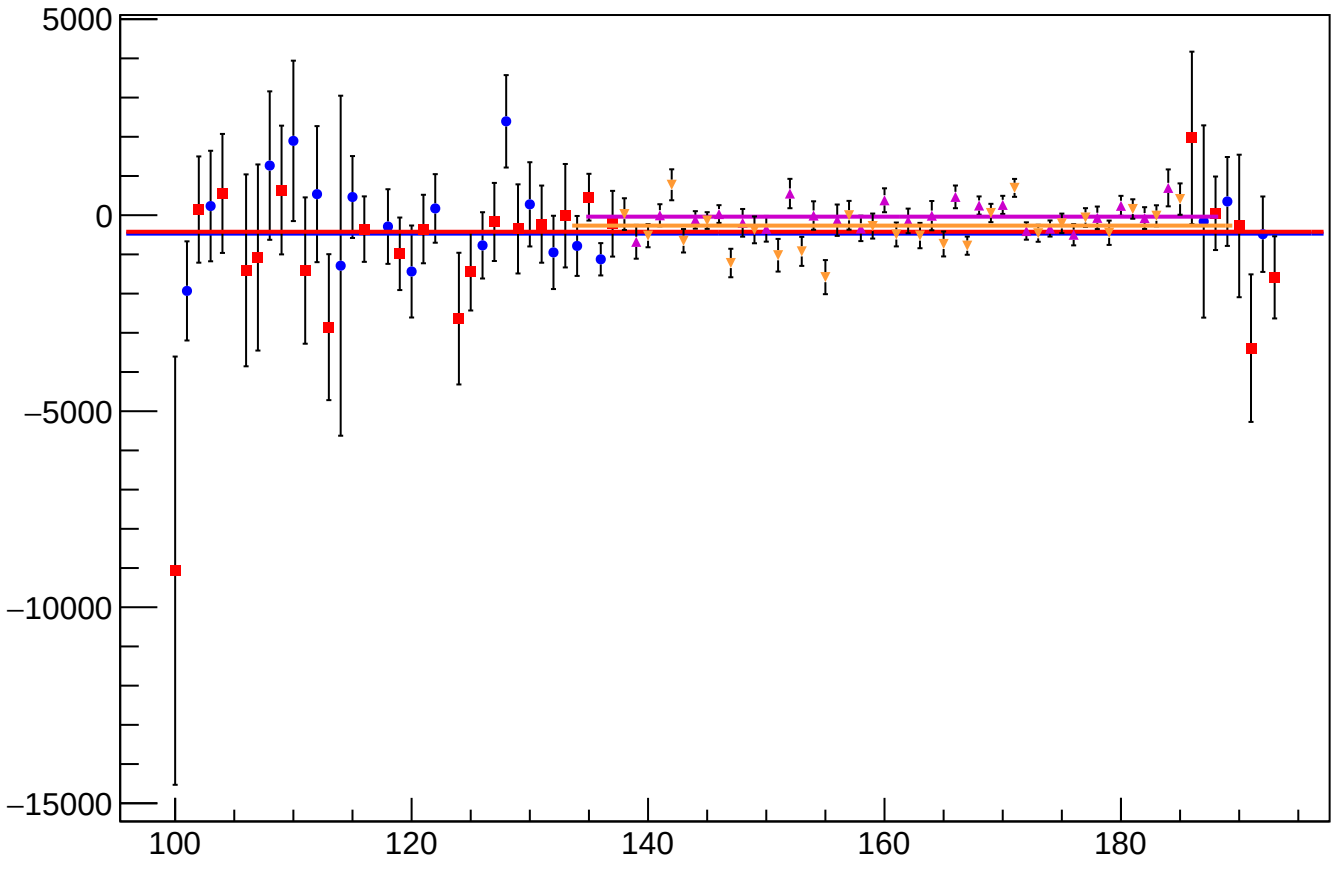
Right Out: 74.155+/-0.018 χ^2/NDF: 3072986.1/23

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.549+/-0.007 χ^2/NDF: 3756647.4/43

All: 51.104+/-0.005 χ^2/NDF: 8971322.8/90

- sign 51.696+/-0.007 χ^2/NDF: 5201651.3/46



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: -422.496+/-235.470 χ^2/NDF: 16.5/23

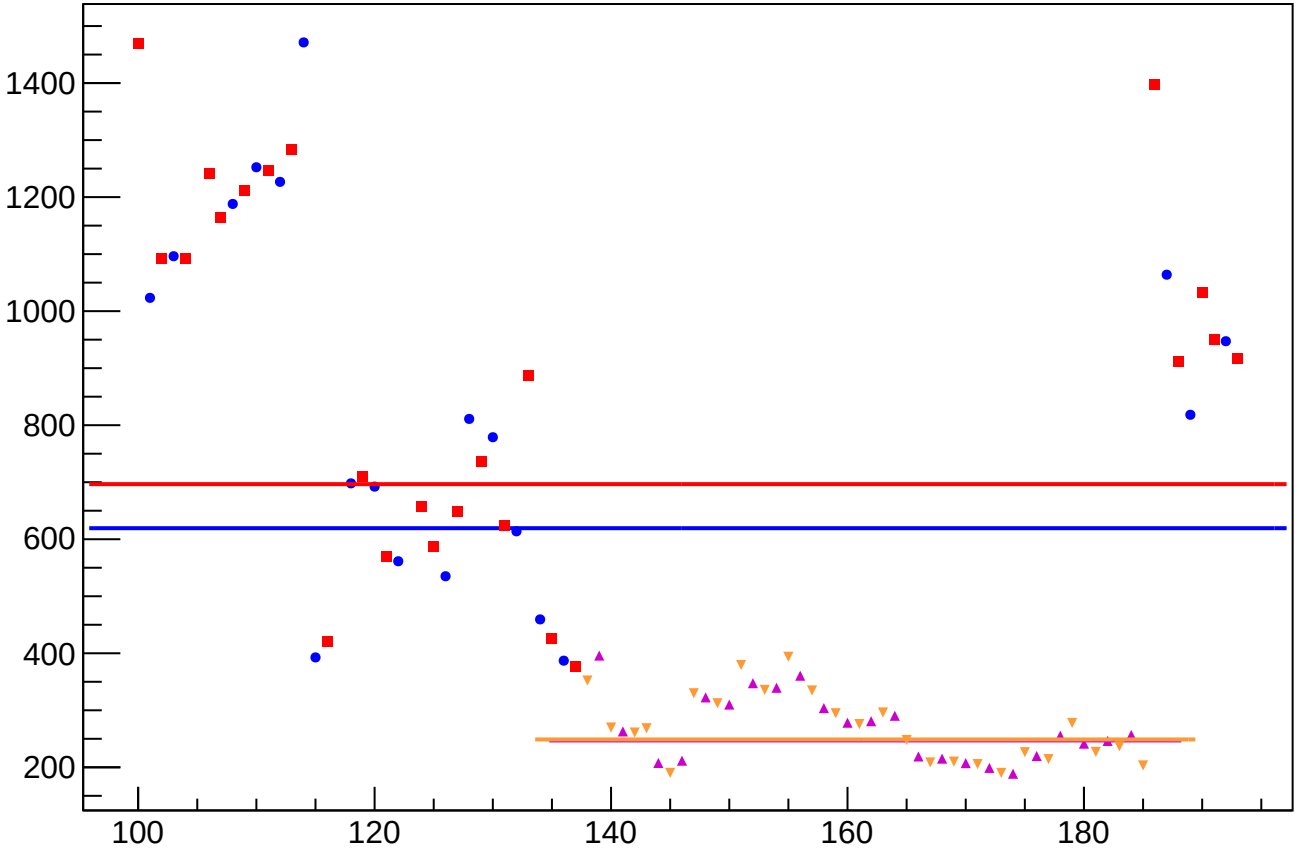
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -278.481+/-56.185 χ^2/NDF: 86.8/43

All: -171.720+/-40.143 χ^2/NDF: 139.8/90

- sign -60.384+/-57.376 χ^2/NDF: 45.6/46

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: 696.602+/-0.167 χ^2/NDF: 2641855.0/23

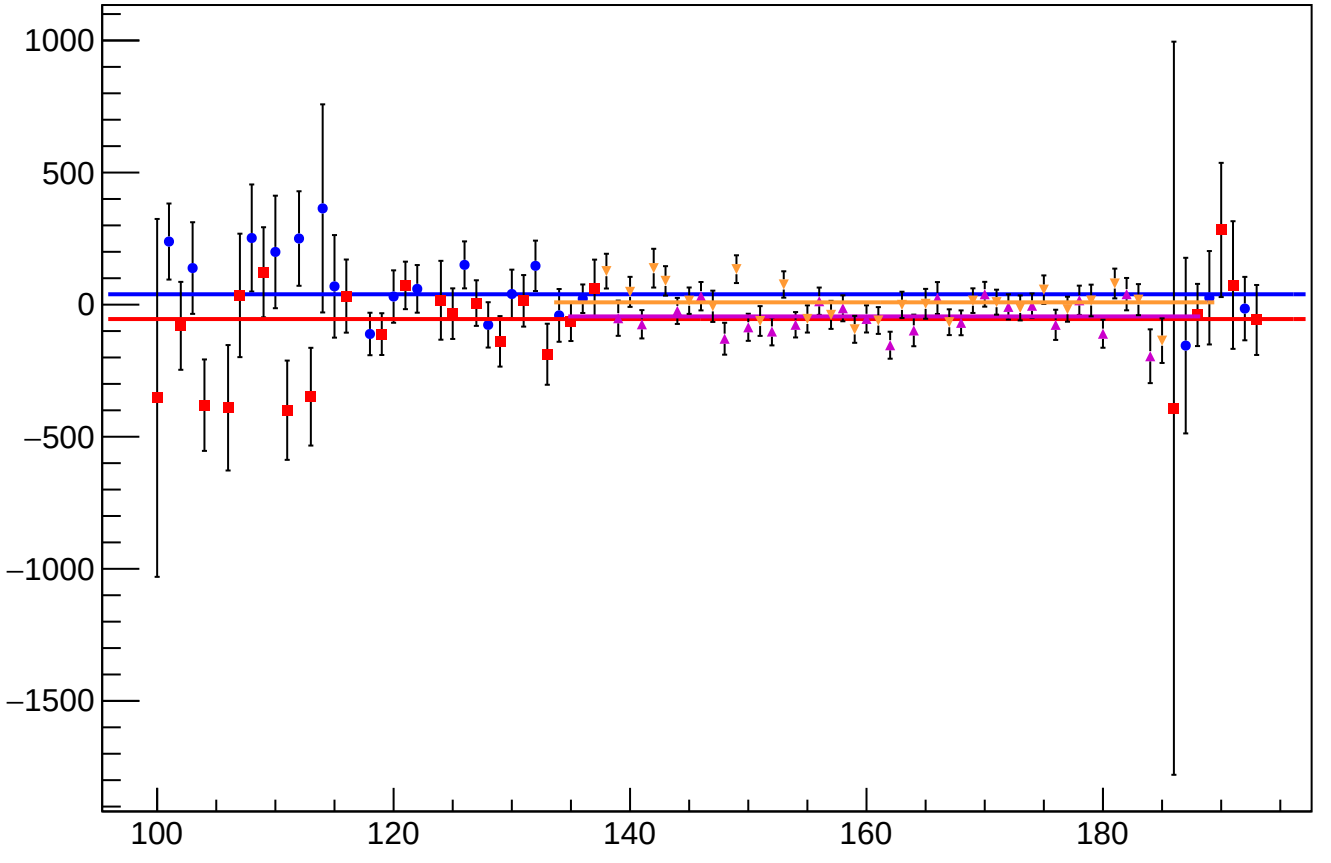
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 272.089+/-0.040 χ^2/NDF: 9218686.0/43

All: 272.925+/-0.028 χ^2/NDF: 20201094.7/90

- sign 273.797+/-0.041 χ^2/NDF: 10981503.4/46

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: -54.522+/-25.443 χ^2/NDF: 22.5/23

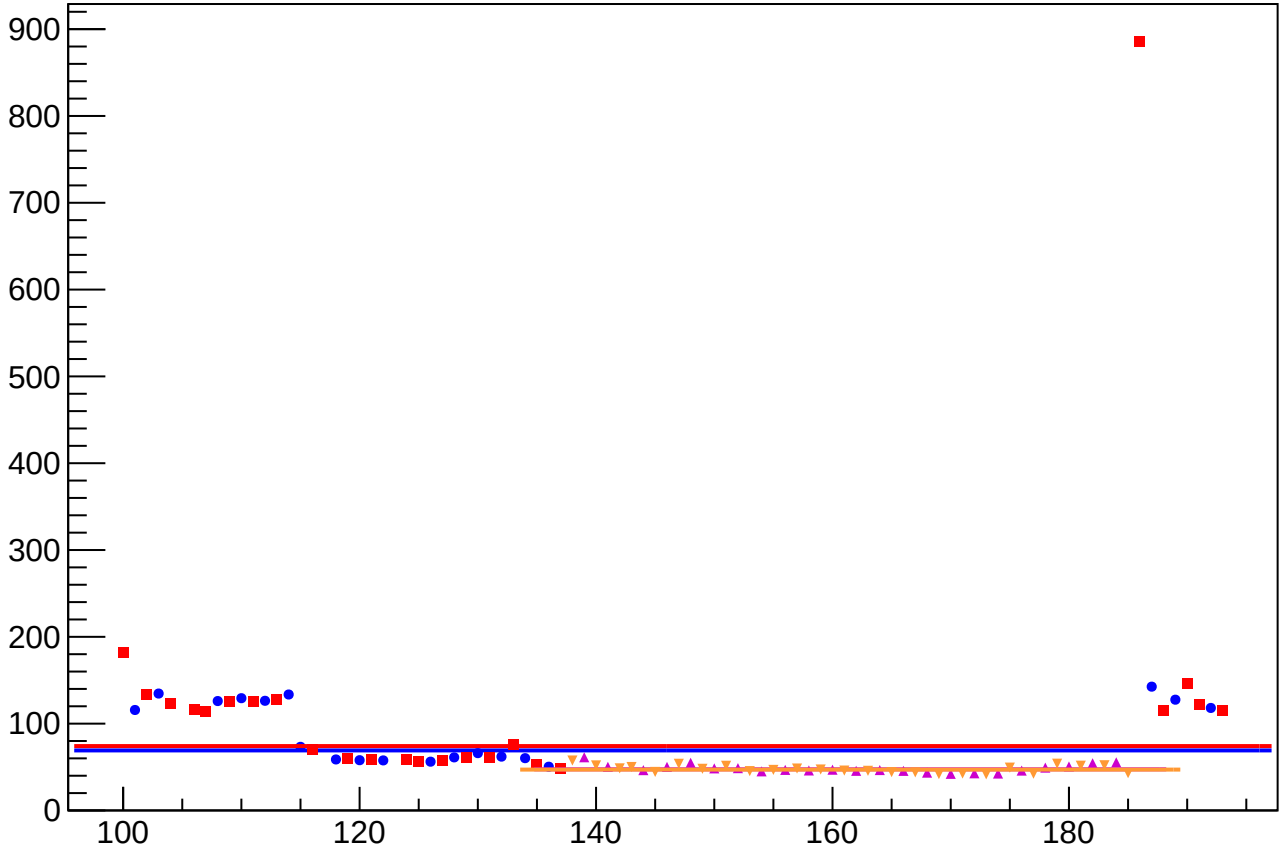
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.575+/-9.884 χ^2/NDF: 51.4/43

All: -15.313+/-7.102 χ^2/NDF: 118.7/90

- sign -46.148+/-10.211 χ^2/NDF: 49.6/46

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

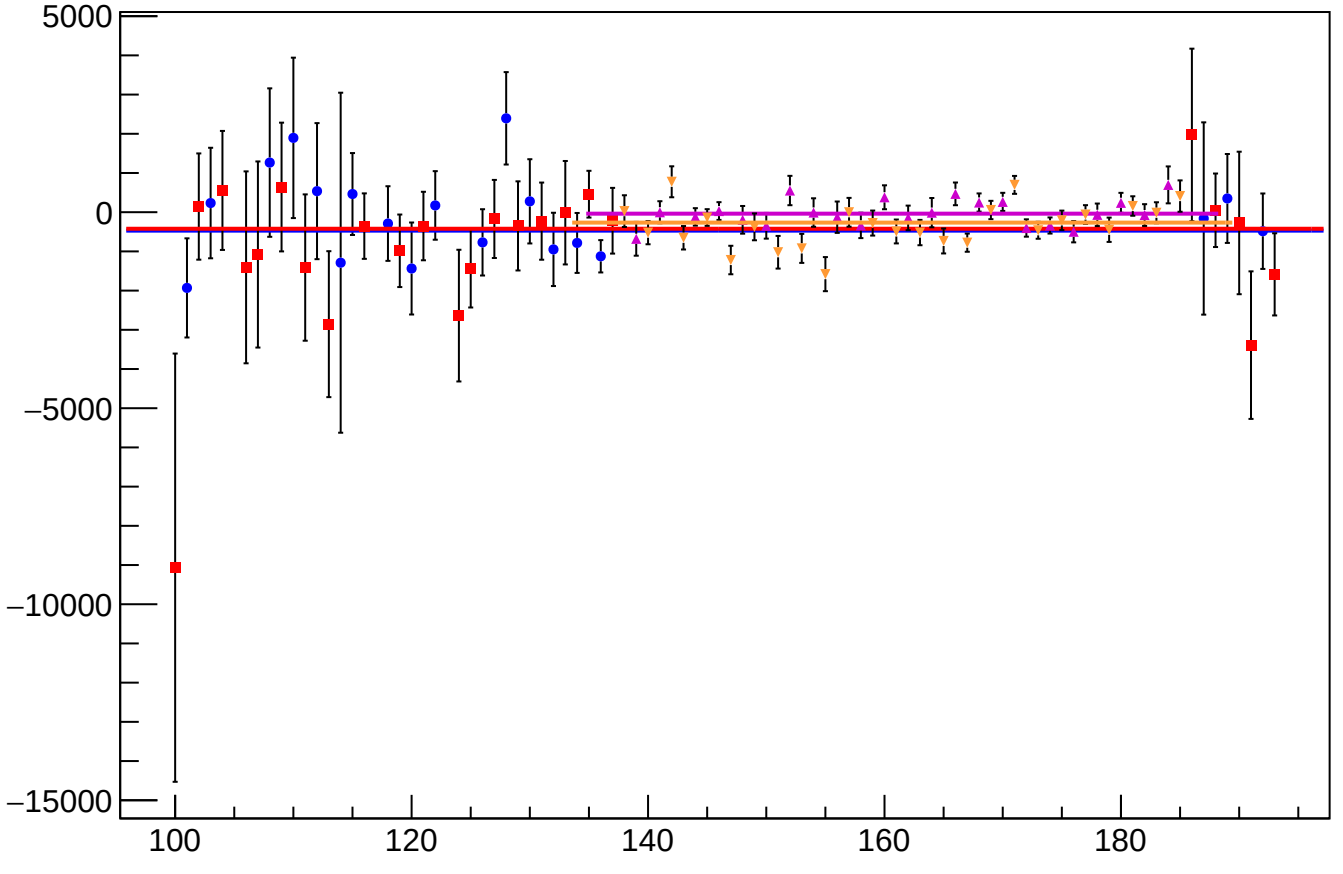
Right Out: 74.155+/-0.018 χ^2/NDF: 3072986.1/23

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.549+/-0.007 χ^2/NDF: 3756647.4/43

All: 51.104+/-0.005 χ^2/NDF: 8971322.8/90

- sign 51.696+/-0.007 χ^2/NDF: 5201651.3/46



Right In: -470.108+/-224.530 χ^2/NDF: 16.2/18

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

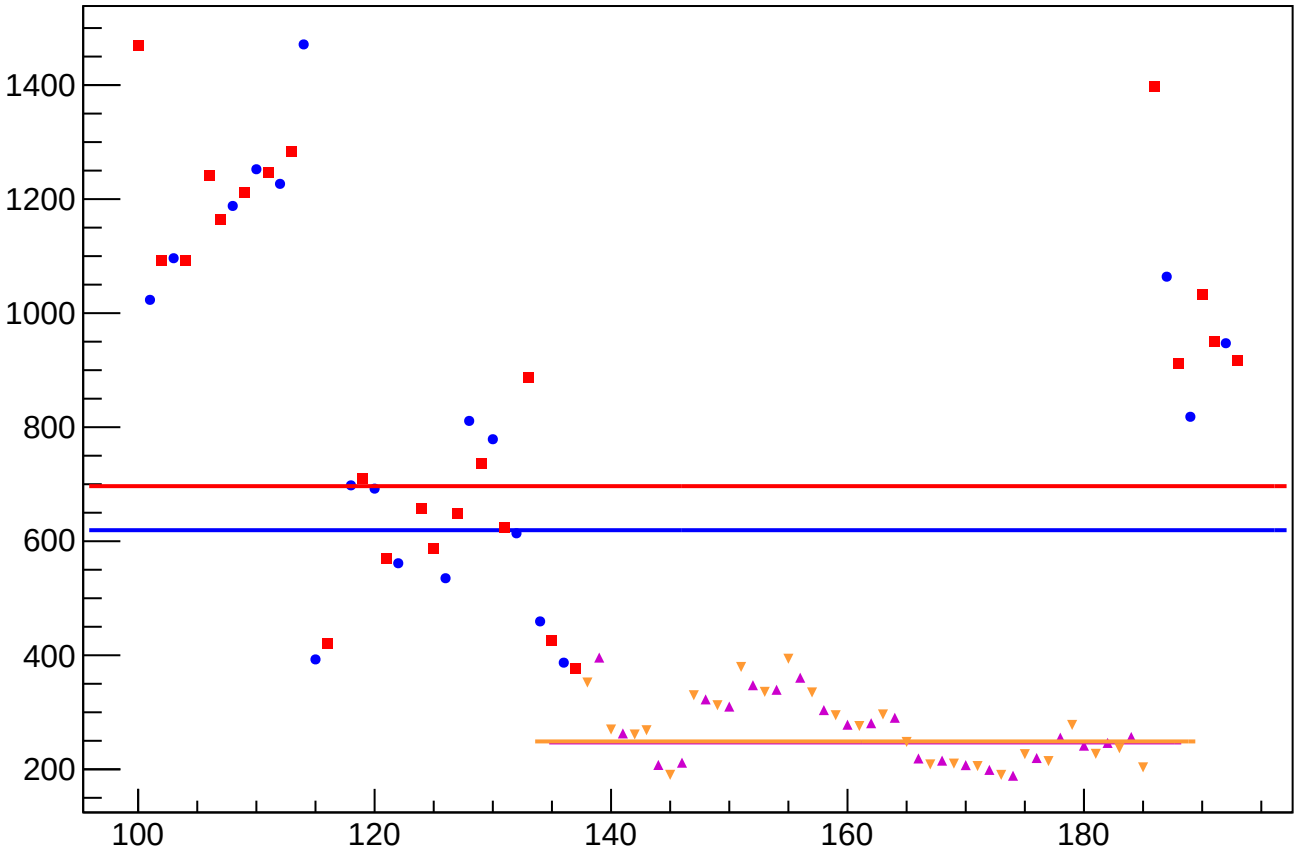
Right Out: -422.496+/-235.470 χ^2/NDF: 16.5/23

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -278.481+/-56.185 χ^2/NDF: 86.8/43

All: -171.720+/-40.143 χ^2/NDF: 139.8/90

- sign -60.384+/-57.376 χ^2/NDF: 45.6/46



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: 696.602+/-0.167 χ^2/NDF: 2641855.0/23

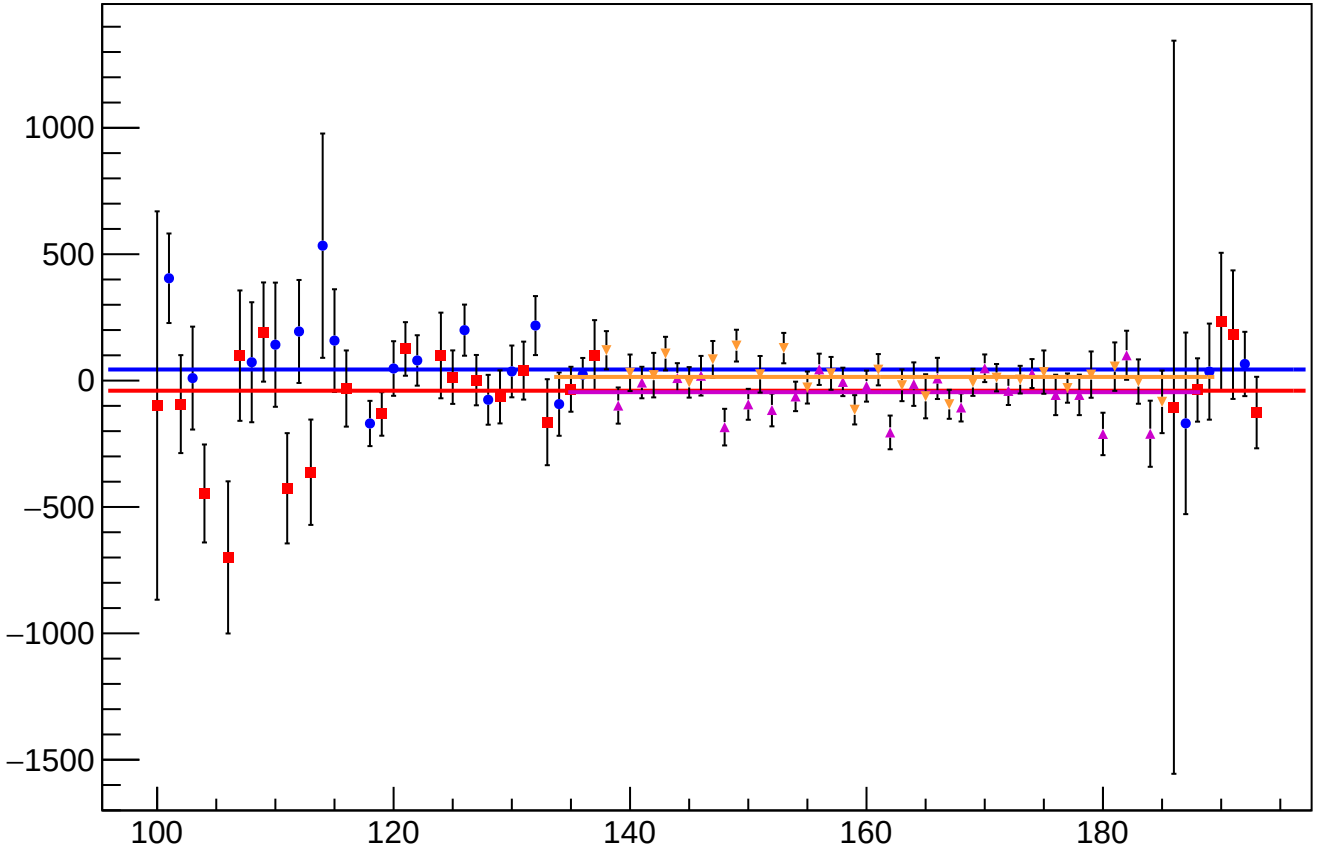
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 272.089+/-0.040 χ^2/NDF: 9218686.0/43

All: 272.925+/-0.028 χ^2/NDF: 20201094.7/90

- sign 273.797+/-0.041 χ^2/NDF: 10981503.4/46

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: -40.022+/-29.270 χ^2/NDF: 25.4/23

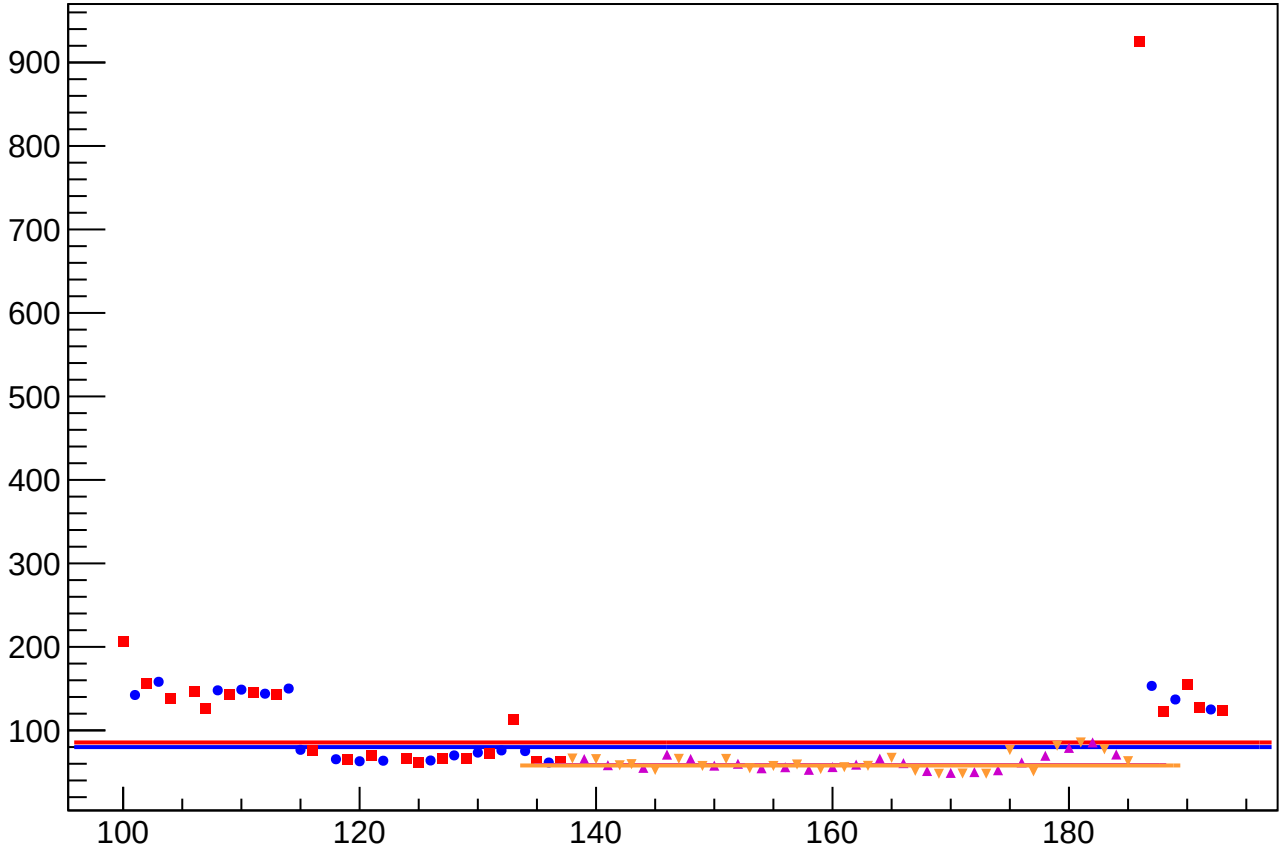
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 19.801+/-12.181 χ^2/NDF: 45.4/43

All: -11.431+/-8.751 χ^2/NDF: 115.2/90

- sign -44.738+/-12.579 χ^2/NDF: 56.2/46

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: 85.528+/-0.021 χ^2/NDF: 2928233.7/23

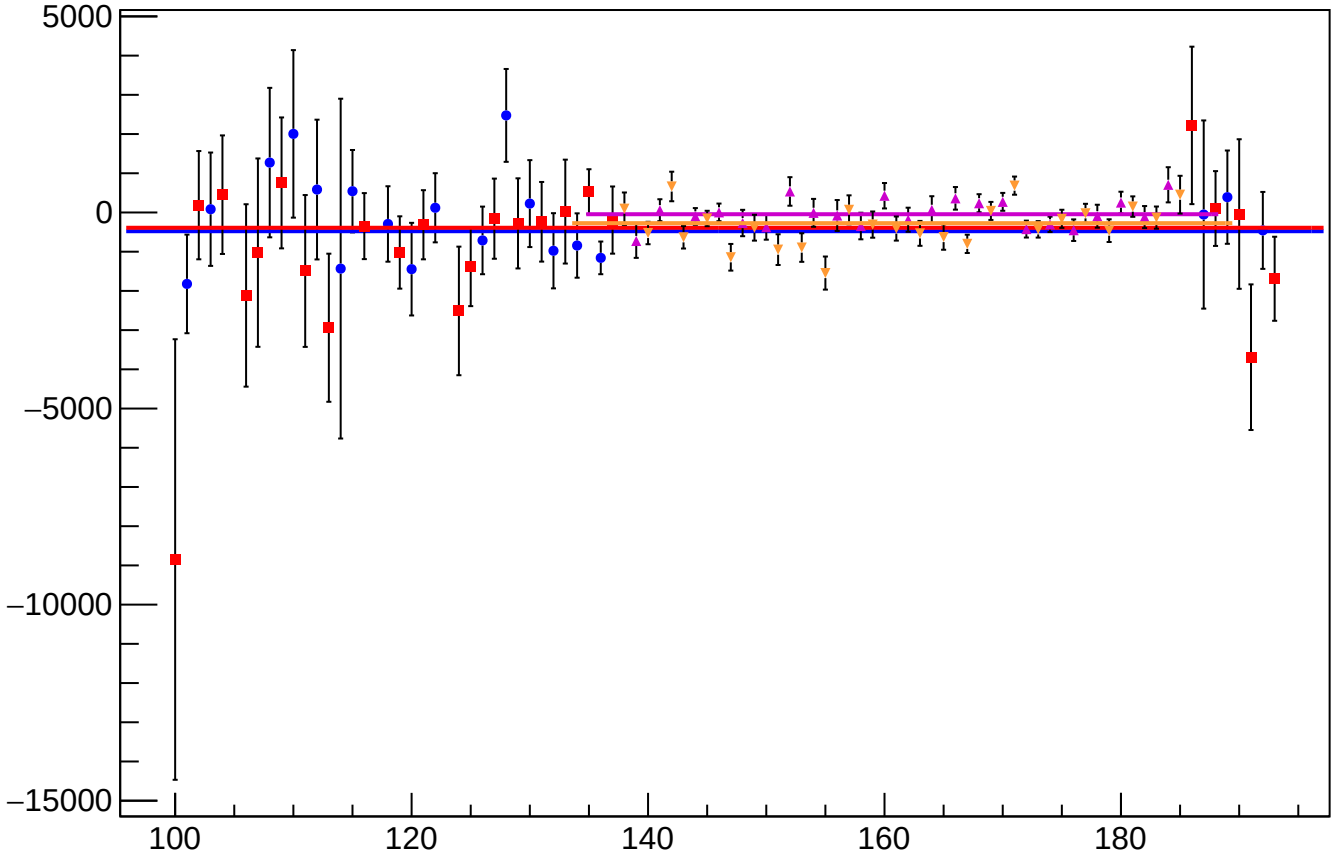
Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 61.930+/-0.009 χ^2/NDF: 3884052.3/43

All: 62.678+/-0.006 χ^2/NDF: 8870285.8/90

- sign 63.475+/-0.009 χ^2/NDF: 4970677.9/46

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -477.941+/-228.866 χ^2/NDF: 16.4/18

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -389.862+/-235.911 χ^2/NDF: 18.6/23

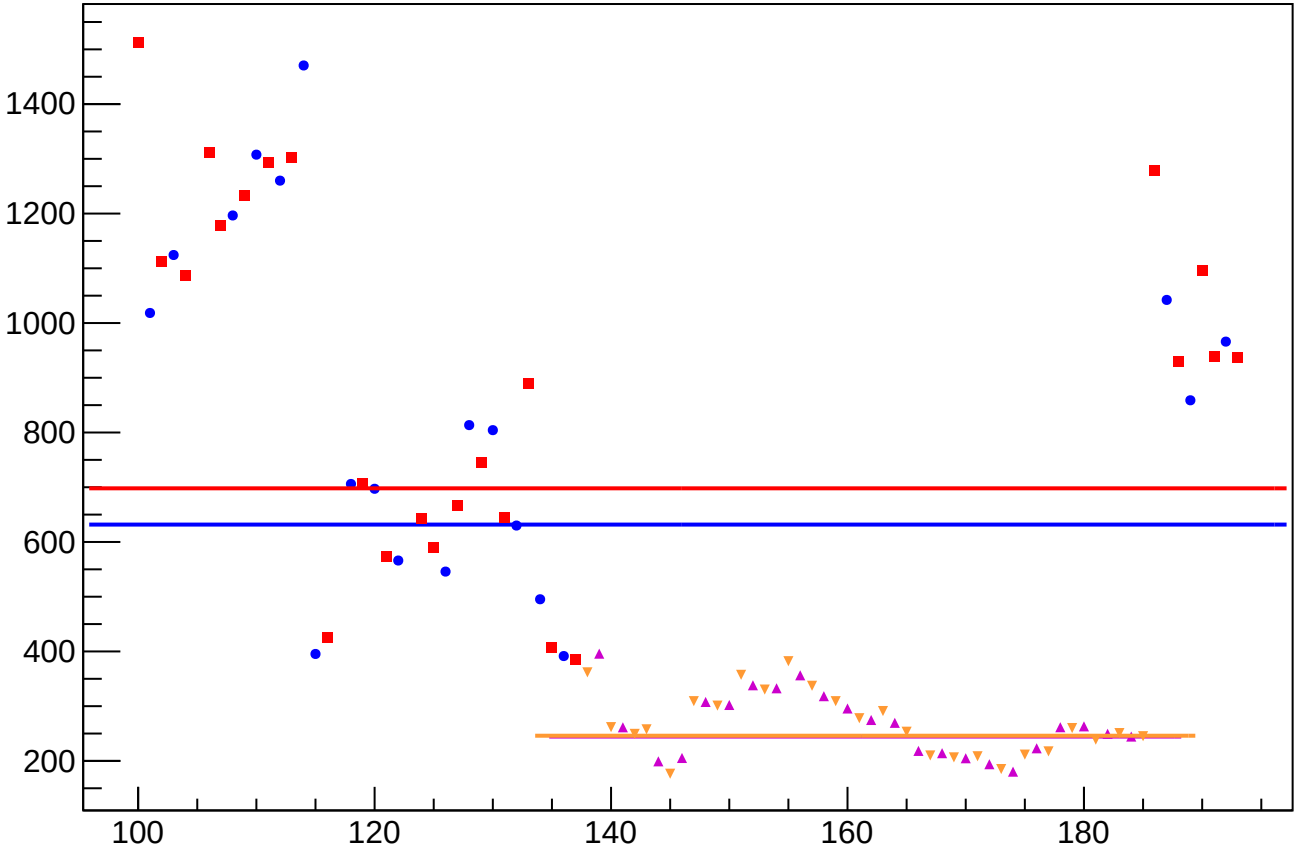
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -284.620+/-55.561 χ^2/NDF: 82.9/43

All: -177.215+/-39.747 χ^2/NDF: 137.7/90

- sign -64.630+/-56.885 χ^2/NDF: 47.1/46

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: 698.008+/-0.167 χ^2/NDF: 2793404.4/23

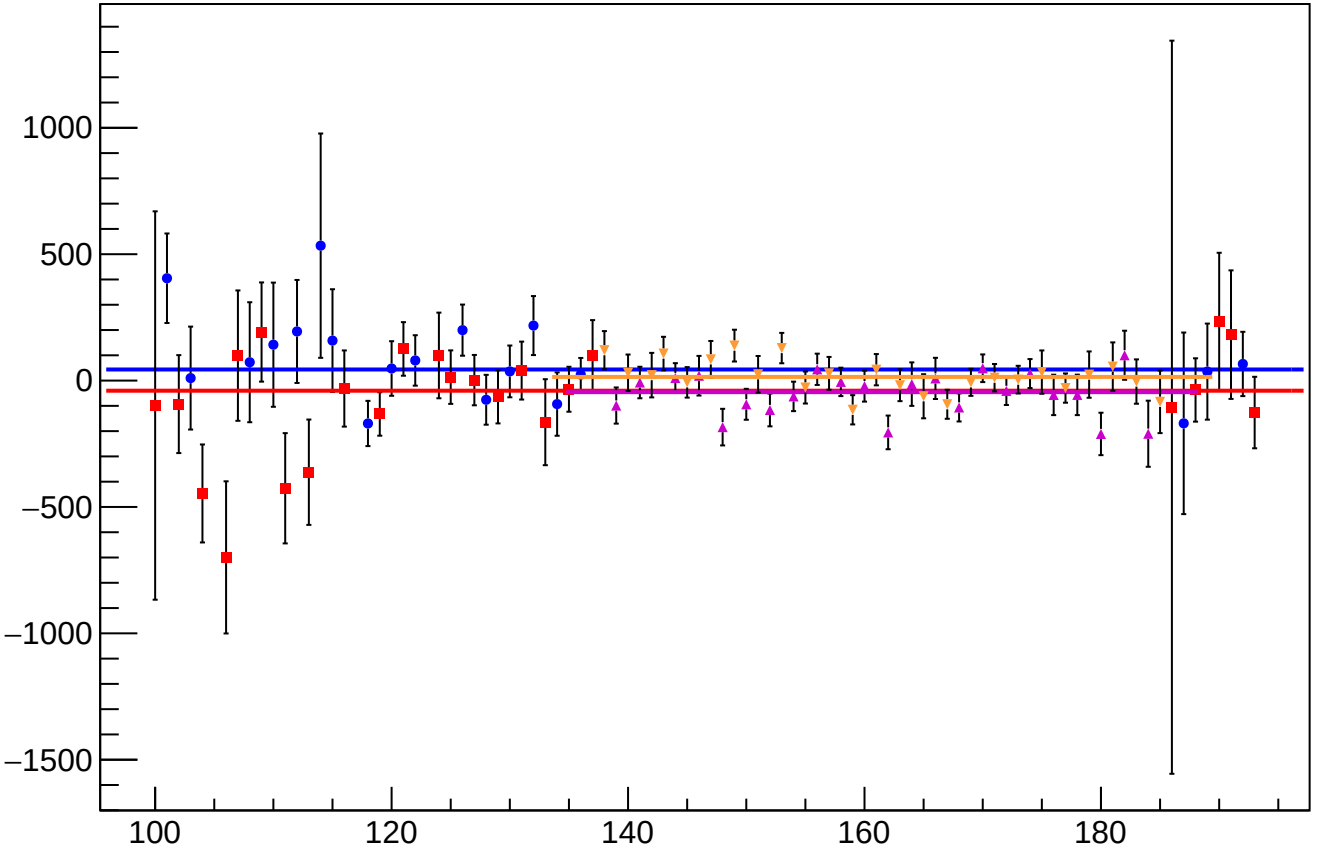
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 268.751+/-0.039 χ^2/NDF: 9477846.4/43

All: 269.762+/-0.028 χ^2/NDF: 20832418.3/90

- sign 270.821+/-0.040 χ^2/NDF: 11353216.0/46

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: -40.022+/-29.270 χ^2/NDF: 25.4/23

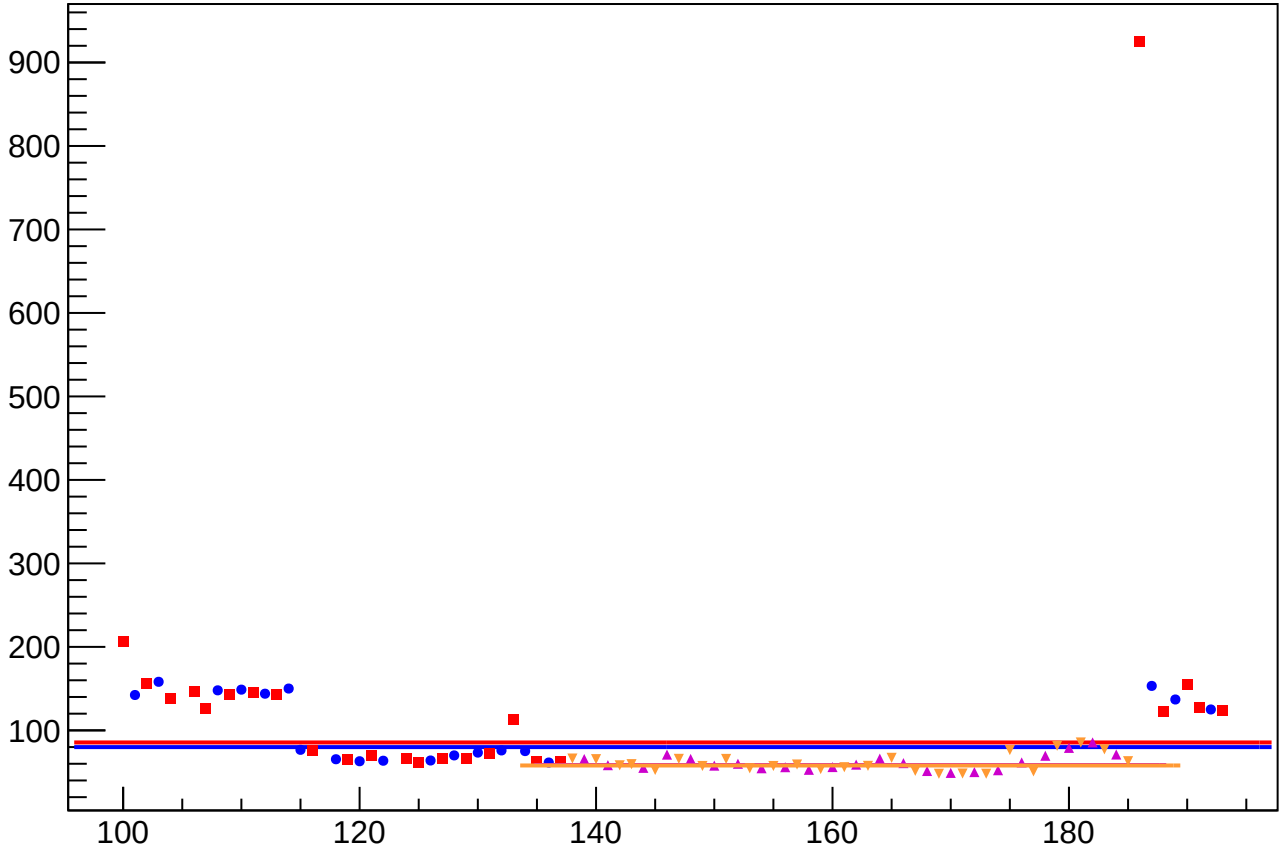
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 19.801+/-12.181 χ^2/NDF: 45.4/43

All: -11.431+/-8.751 χ^2/NDF: 115.2/90

- sign -44.737+/-12.579 χ^2/NDF: 56.2/46

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

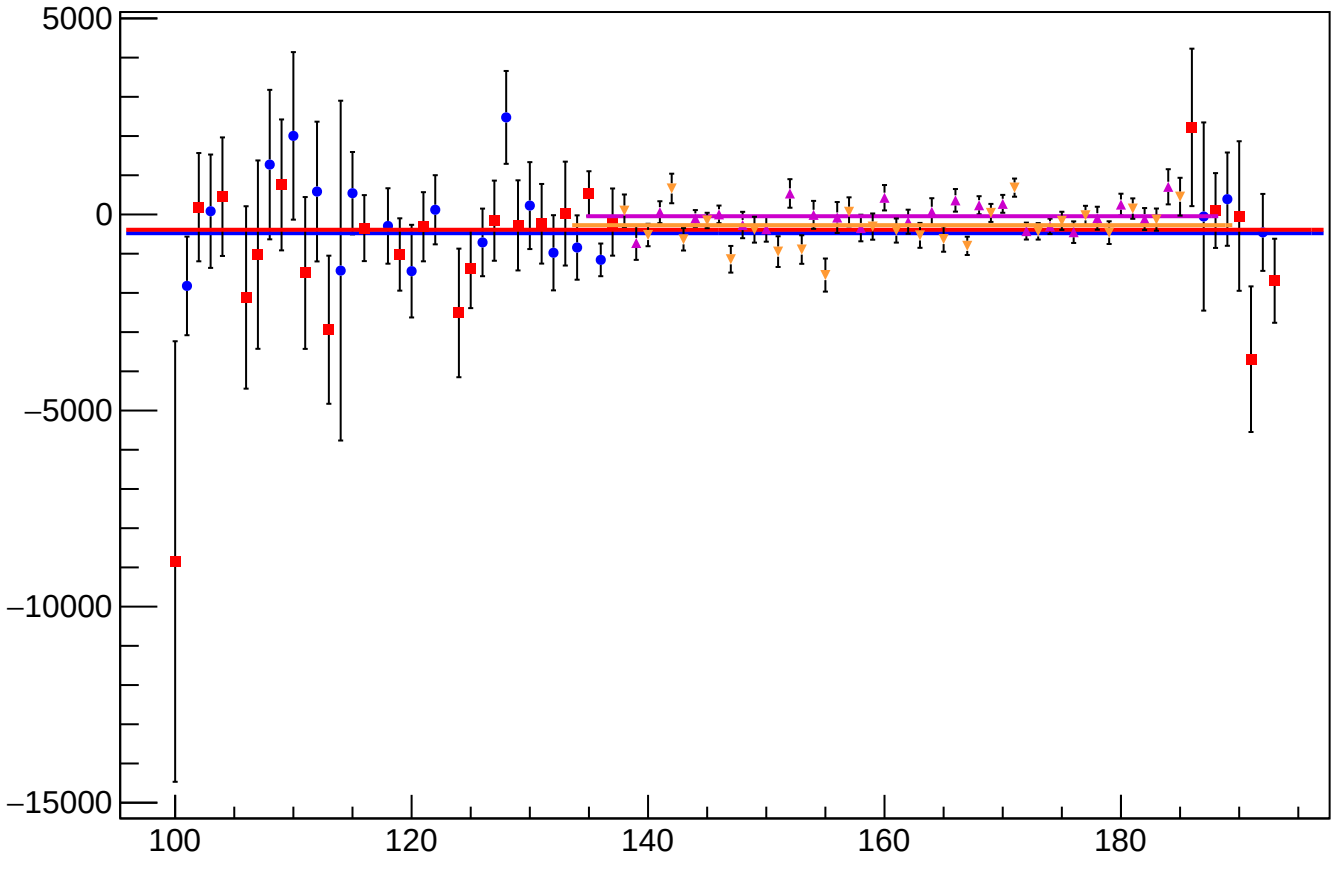
Right Out: 85.528+/-0.021 χ^2/NDF: 2928232.6/23

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 61.931+/-0.009 χ^2/NDF: 3884019.0/43

All: 62.678+/-0.006 χ^2/NDF: 8870202.9/90

- sign 63.475+/-0.009 χ^2/NDF: 4970626.9/46



Right In: -477.938+/-228.865 χ^2/NDF: 16.4/18

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

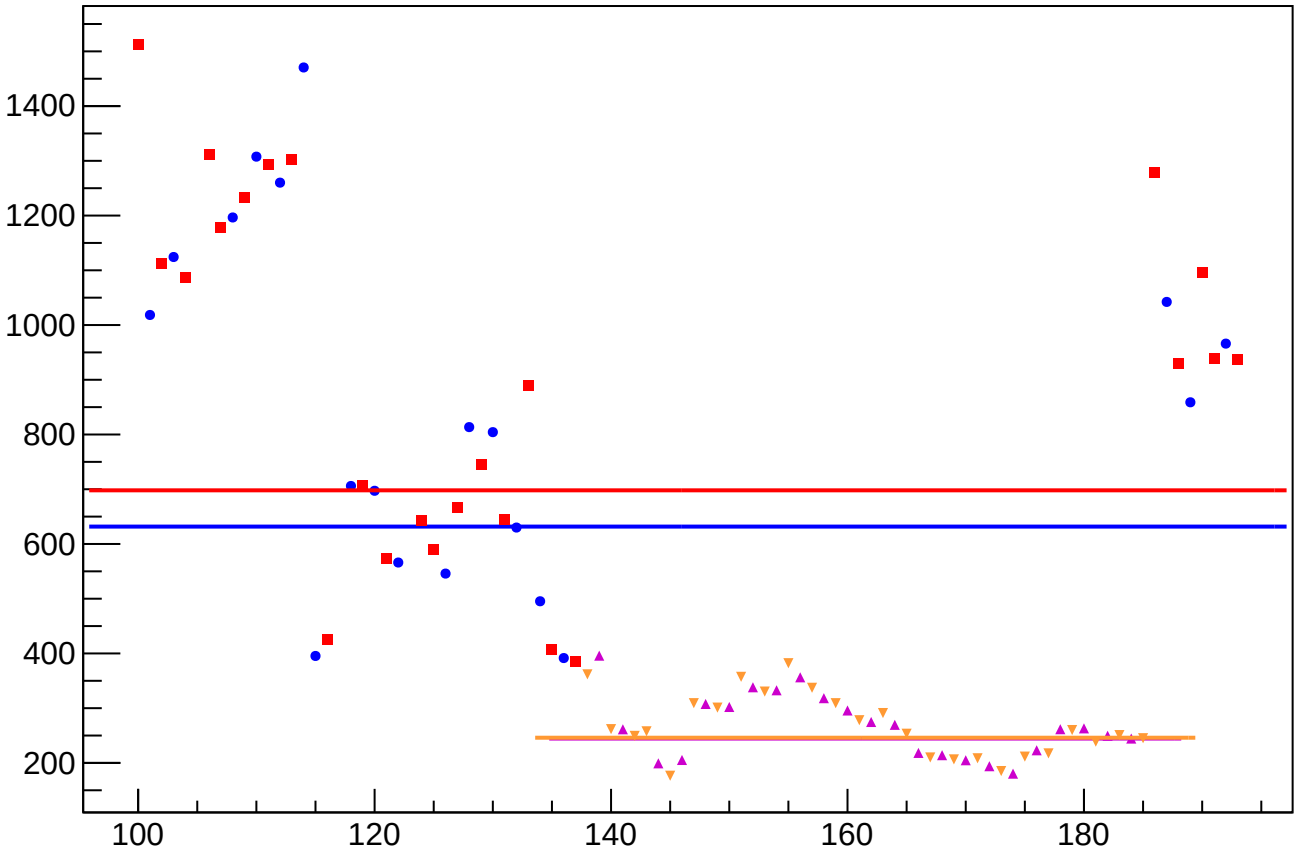
Right Out: -389.862+/-235.910 χ^2/NDF: 18.6/23

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -284.619+/-55.561 χ^2/NDF: 82.9/43

All: -177.214+/-39.747 χ^2/NDF: 137.7/90

- sign -64.630+/-56.885 χ^2/NDF: 47.1/46



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: 698.007+/-0.167 χ^2/NDF: 2793385.1/23

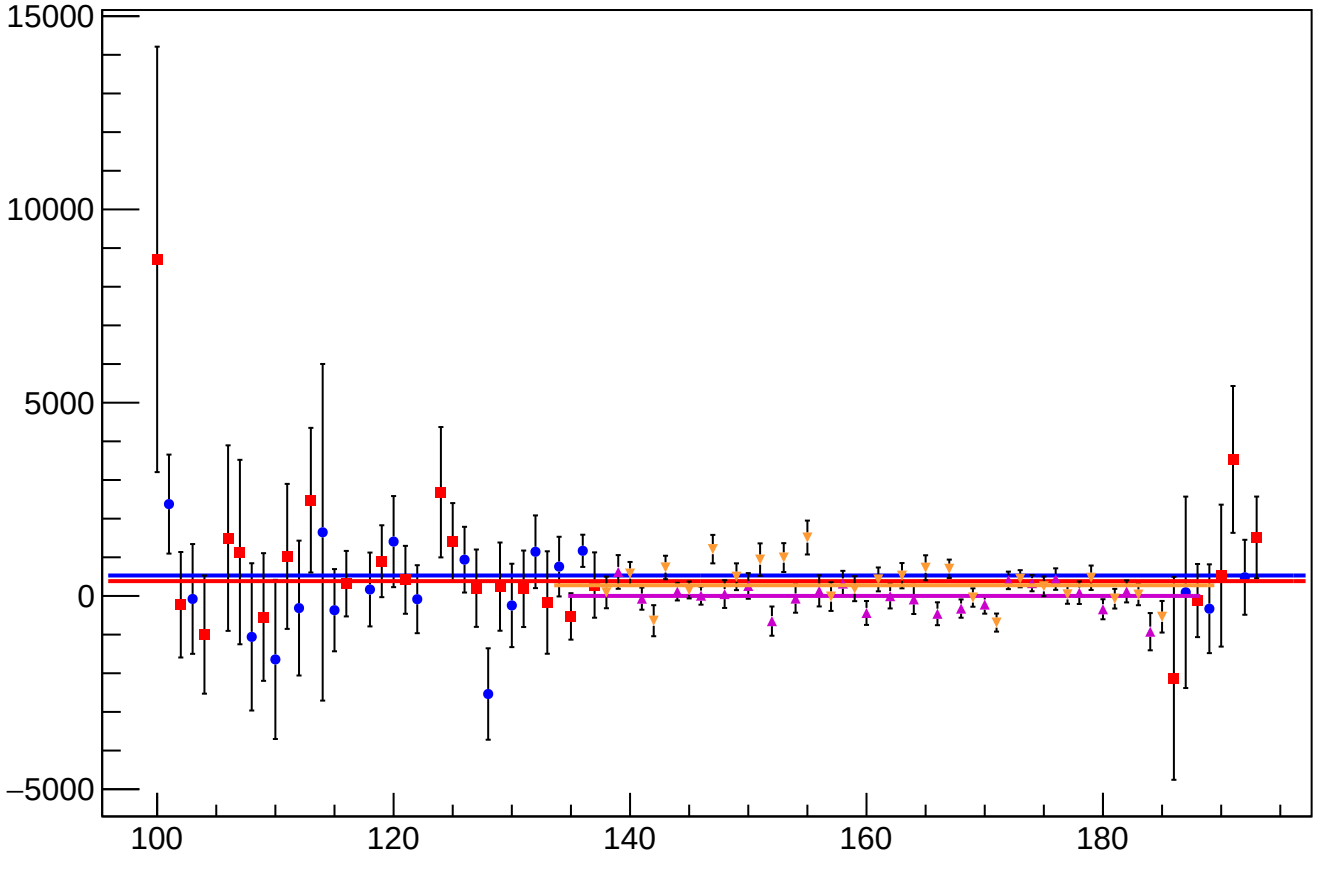
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 268.750+/-0.039 χ^2/NDF: 9477842.1/43

All: 269.761+/-0.028 χ^2/NDF: 20832393.6/90

- sign 270.821+/-0.040 χ^2/NDF: 11353195.3/46

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: 383.671+/-237.509 χ^2/NDF: 16.2/23

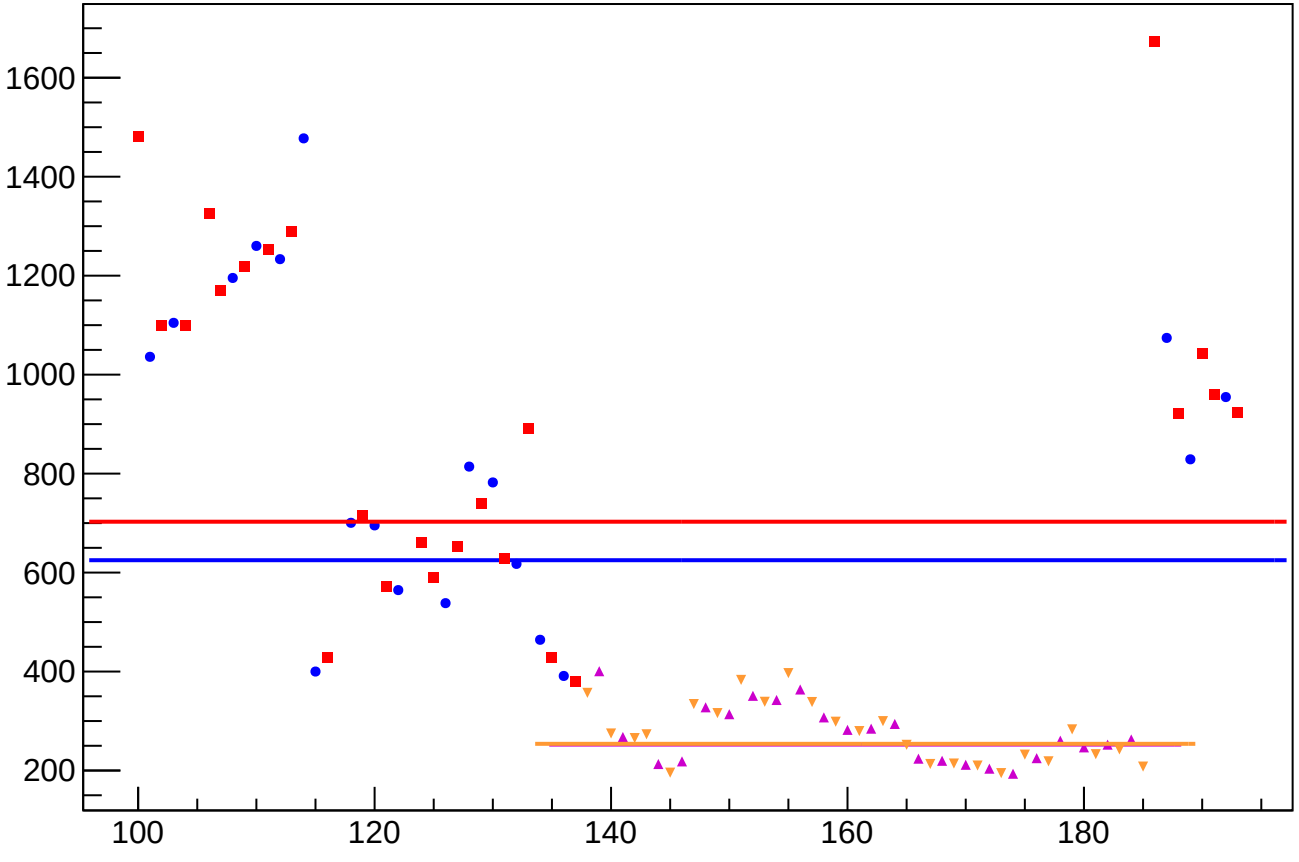
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 293.188+/-57.228 χ^2/NDF: 82.4/43

All: 161.444+/-40.908 χ^2/NDF: 140.0/90

- sign 23.796+/-58.497 χ^2/NDF: 46.8/46

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

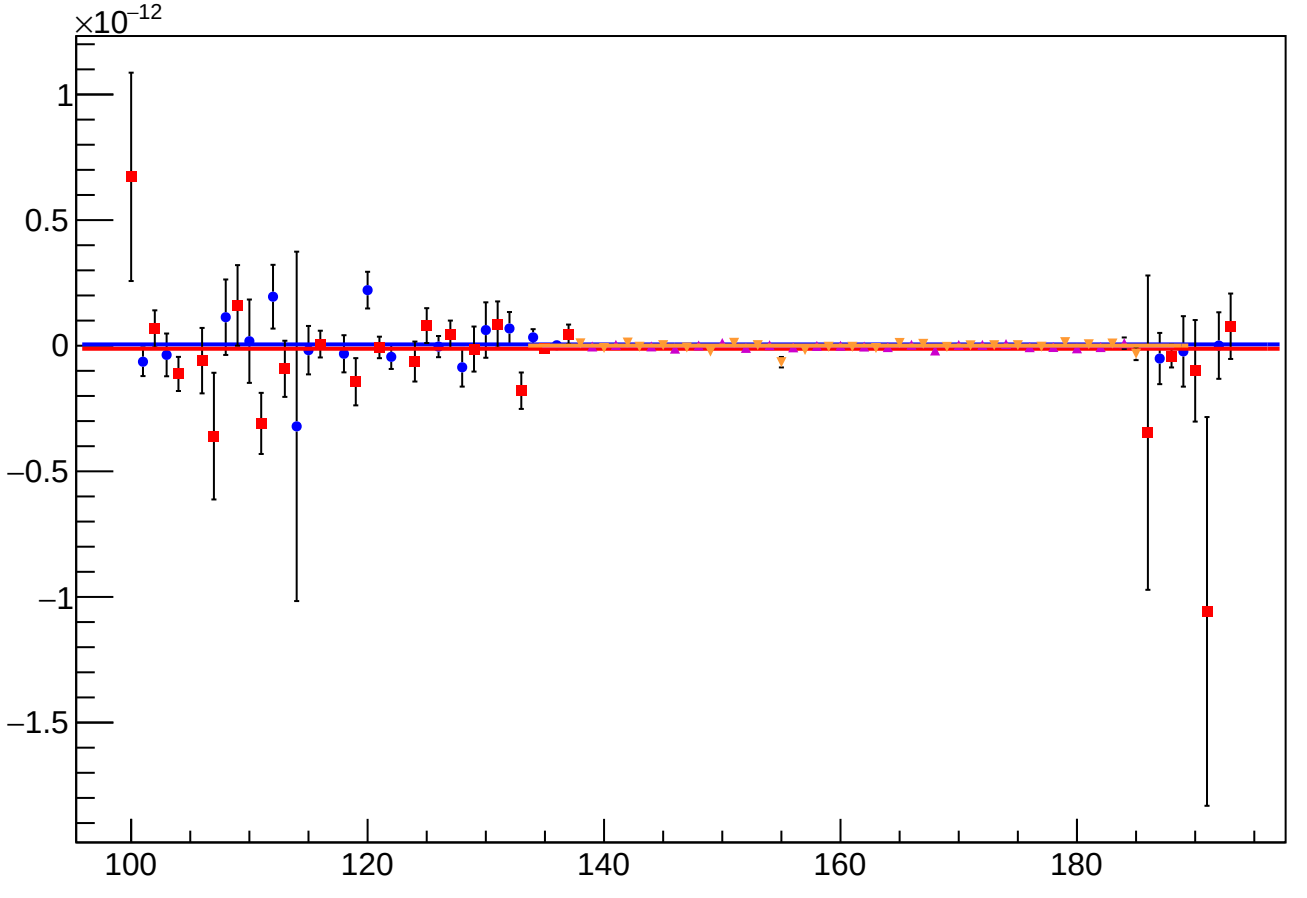
Right Out: 702.802+/-0.168 χ^2/NDF: 2738478.9/23

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 277.653+/-0.040 χ^2/NDF: 9051777.9/43

All: 278.660+/-0.029 χ^2/NDF: 19960055.5/90

- sign 279.712+/-0.041 χ^2/NDF: 10907011.5/46



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: 32.7/23

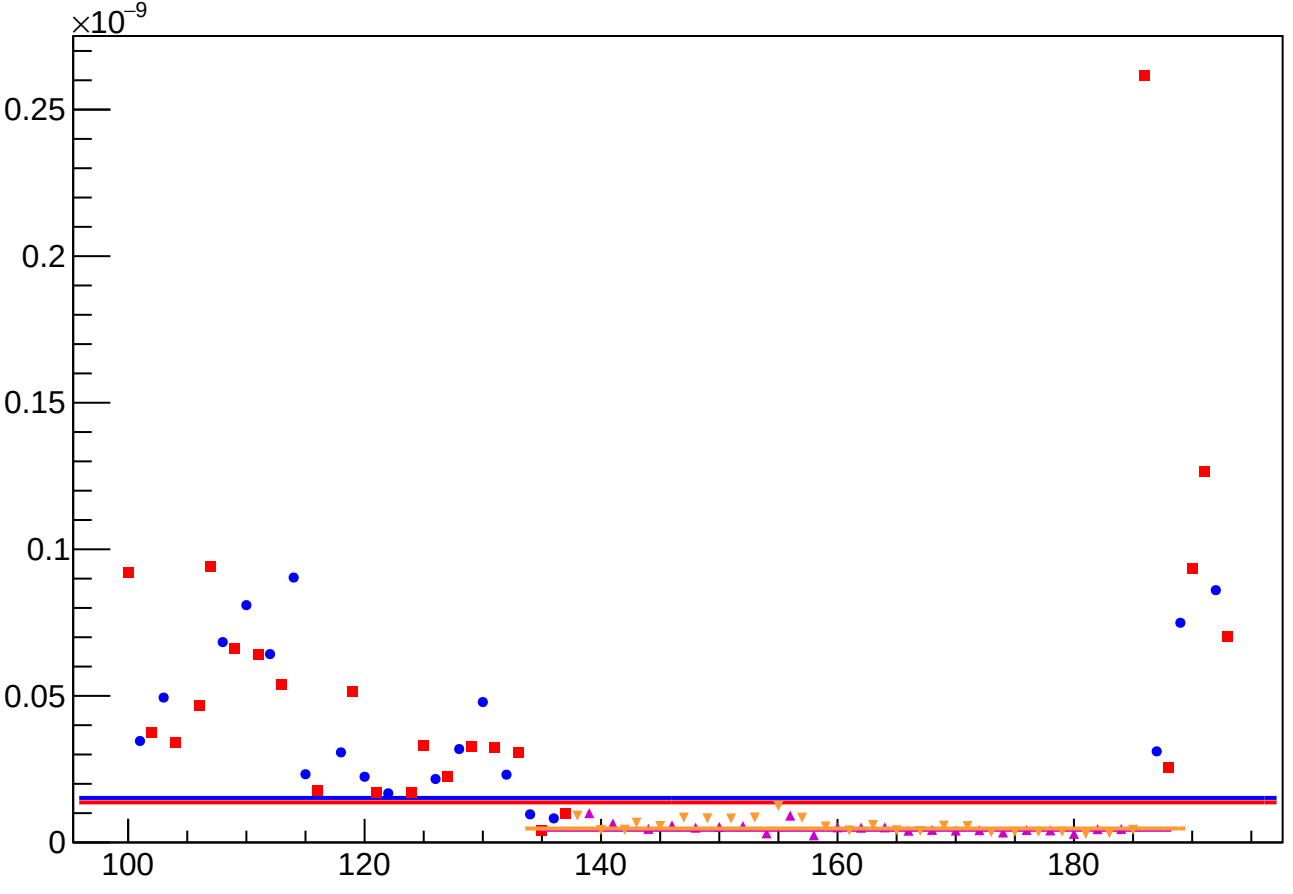
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/43

All: -0.000+/-0.000 χ^2/NDF: 94.3/90

- sign -0.000+/-0.000 χ^2/NDF: 47.6/46

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

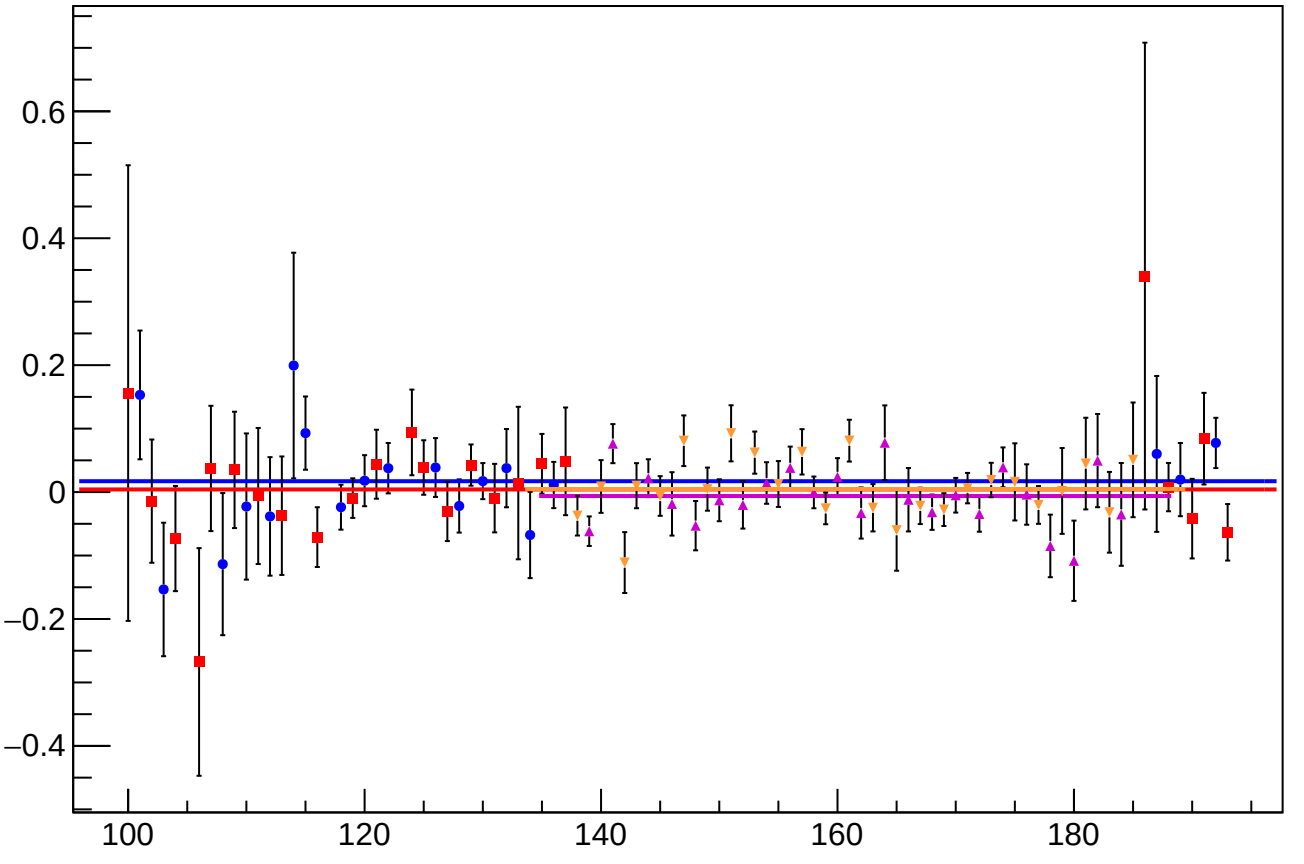
Right Out: 0.000+/-0.000 χ^2/NDF: 4686291.9/23

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: 14405963.6/90

- sign 0.000+/-0.000 χ^2/NDF: 7286906.7/46



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: 0.004+/-0.012 χ^2/NDF: 17.5/23

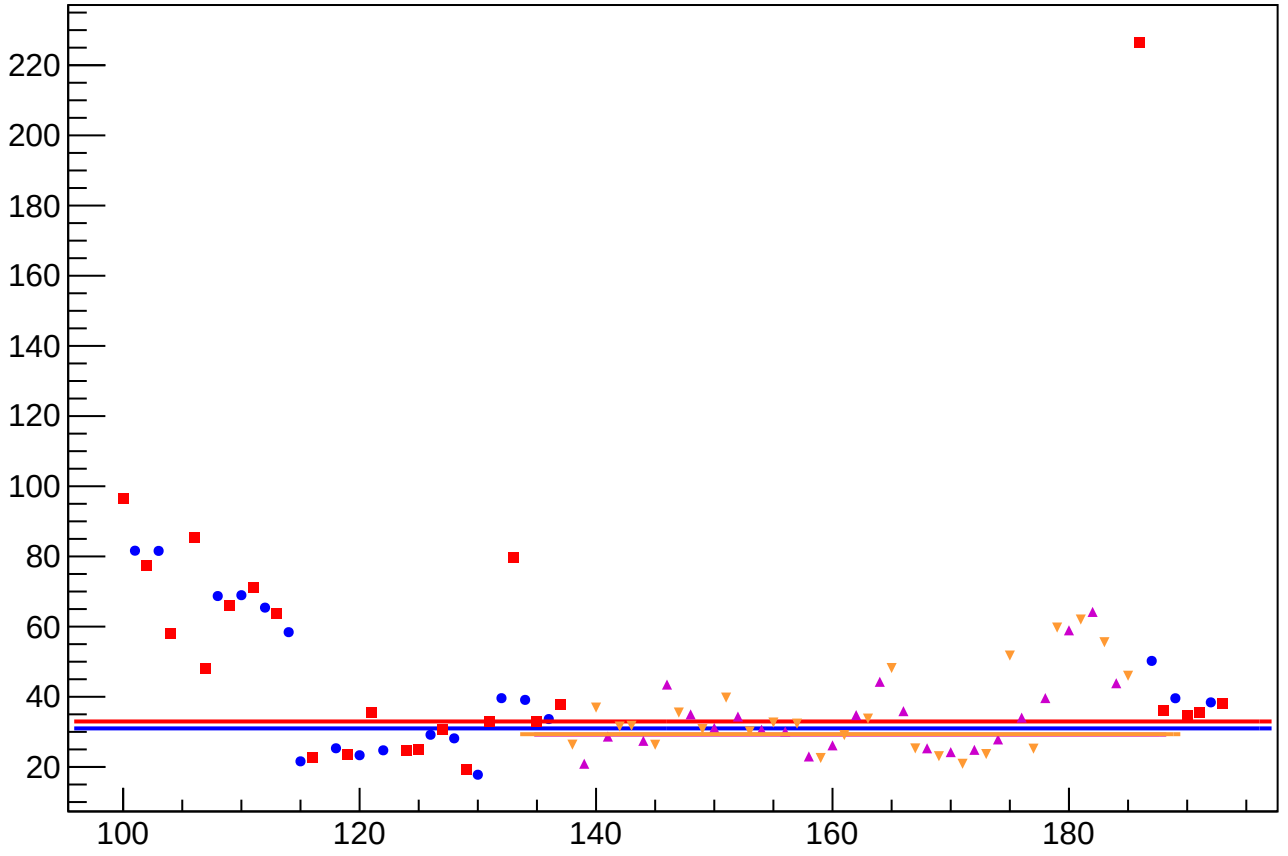
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.008+/-0.006 χ^2/NDF: 50.6/43

All: 0.003+/-0.004 χ^2/NDF: 101.4/90

- sign -0.003+/-0.006 χ^2/NDF: 49.0/46

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

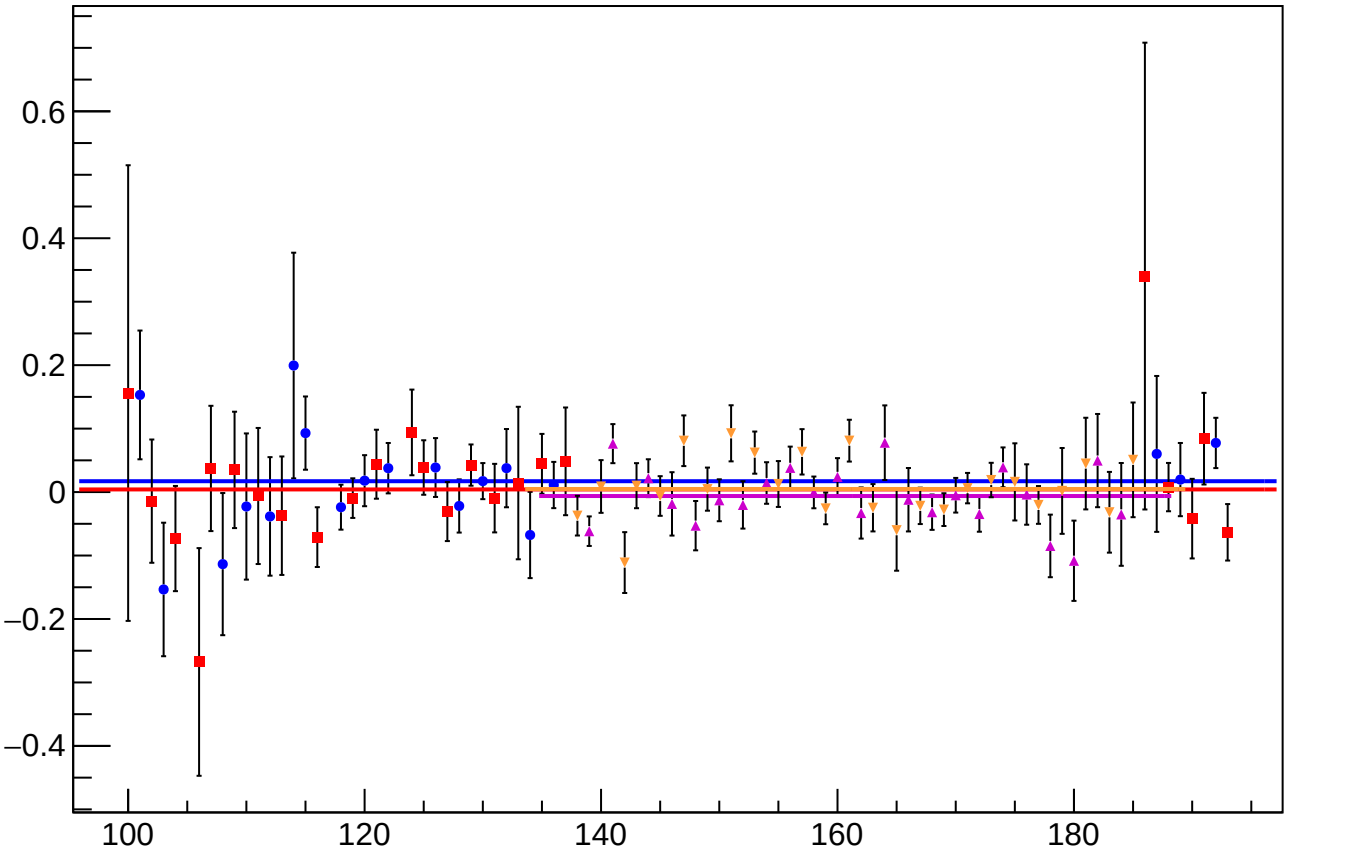
Right Out: 32.967+/-0.008 χ^2/NDF: 3268098.1/23

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

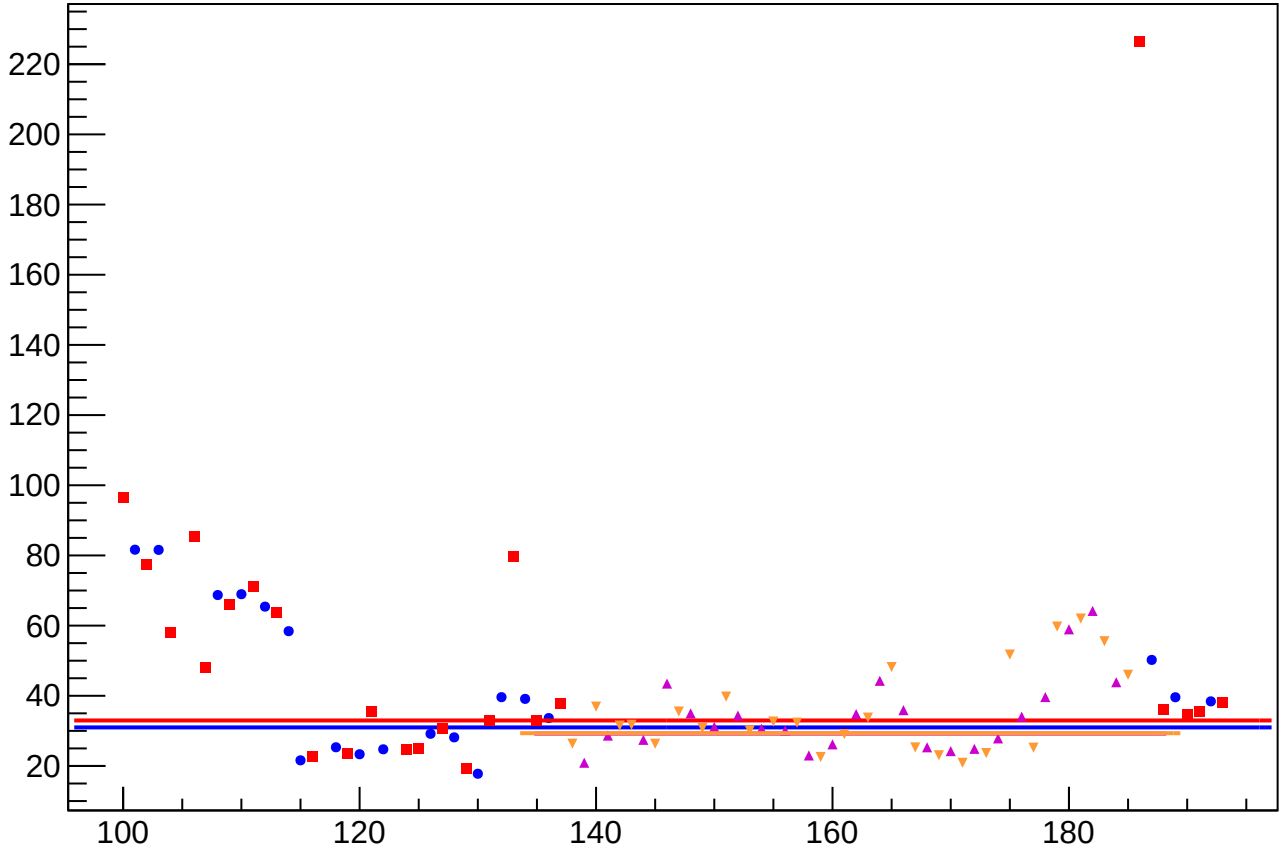
+ sign 29.784+/-0.004 χ^2/NDF: 5351624.6/43

All: 30.024+/-0.003 χ^2/NDF: 10871964.5/90

- sign 30.271+/-0.004 χ^2/NDF: 5513998.3/46


asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
–0.2
–0.4
100
120
140
160
180
Right In: 0.017+/-0.012 χ²/NDF: 15.9/18
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: 0.004+/-0.012 χ²/NDF: 17.5/23
Left In: -0.006+/-0.007 χ²/NDF:31.0/22
+ sign 0.008+/-0.006 χ²/NDF: 50.6/43
All: 0.003+/-0.004 χ²/NDF: 101.4/90
- sign -0.003+/-0.006 χ²/NDF: 49.0/46

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

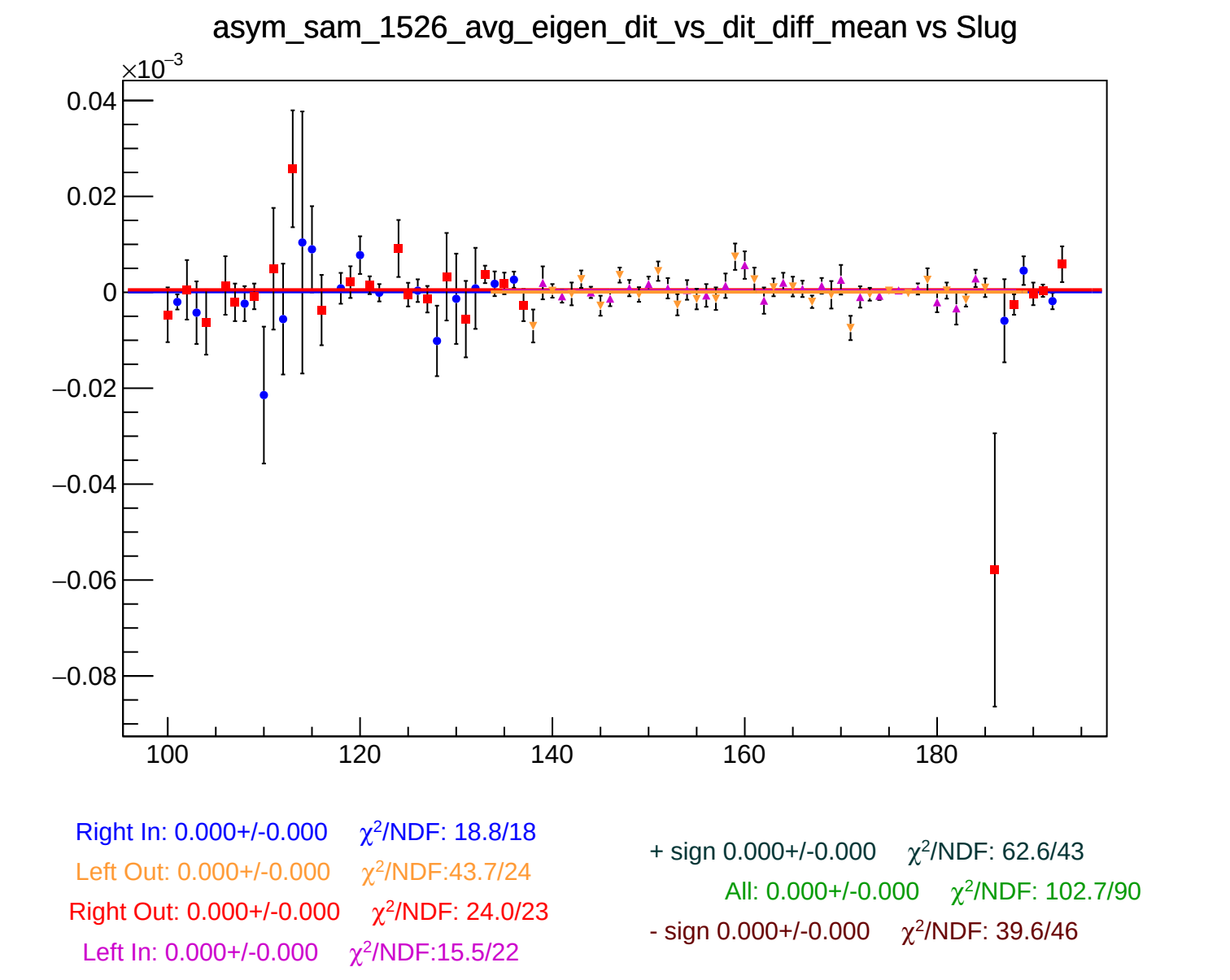
Right Out: 32.967+/-0.008 χ^2/NDF: 3268098.1/23

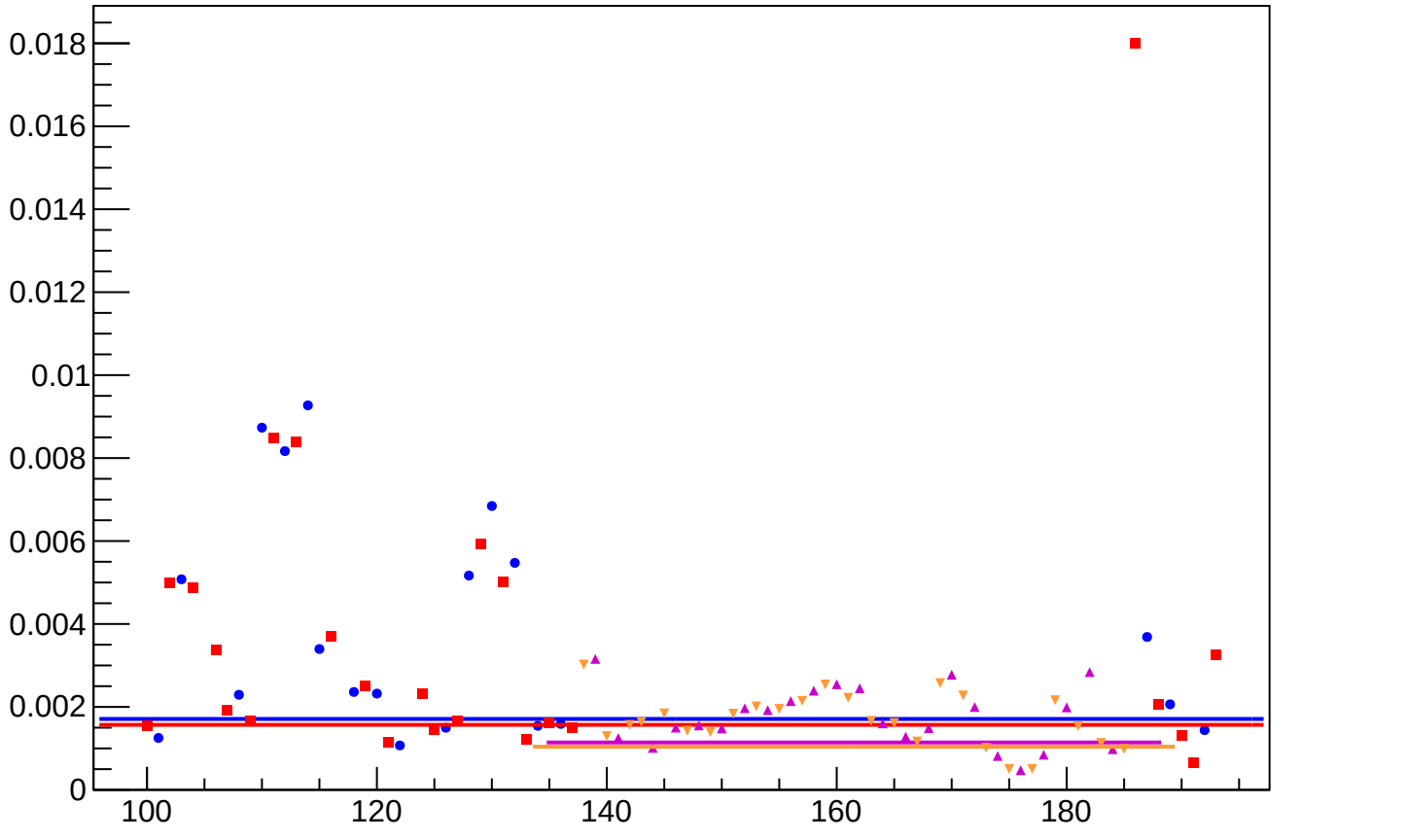
Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

\+ sign 29.784+/-0.004 χ^2/NDF: 5351624.6/43

All: 30.024+/-0.003 χ^2/NDF: 10871964.5/90

\- sign 30.271+/-0.004 χ^2/NDF: 5513998.3/46


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: 24.0/23
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: 102.7/90
- sign 0.000+/-0.000 χ²/NDF: 39.6/46



Right In: 0.002+/-0.000 χ^2/NDF: 4115826.8/18

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

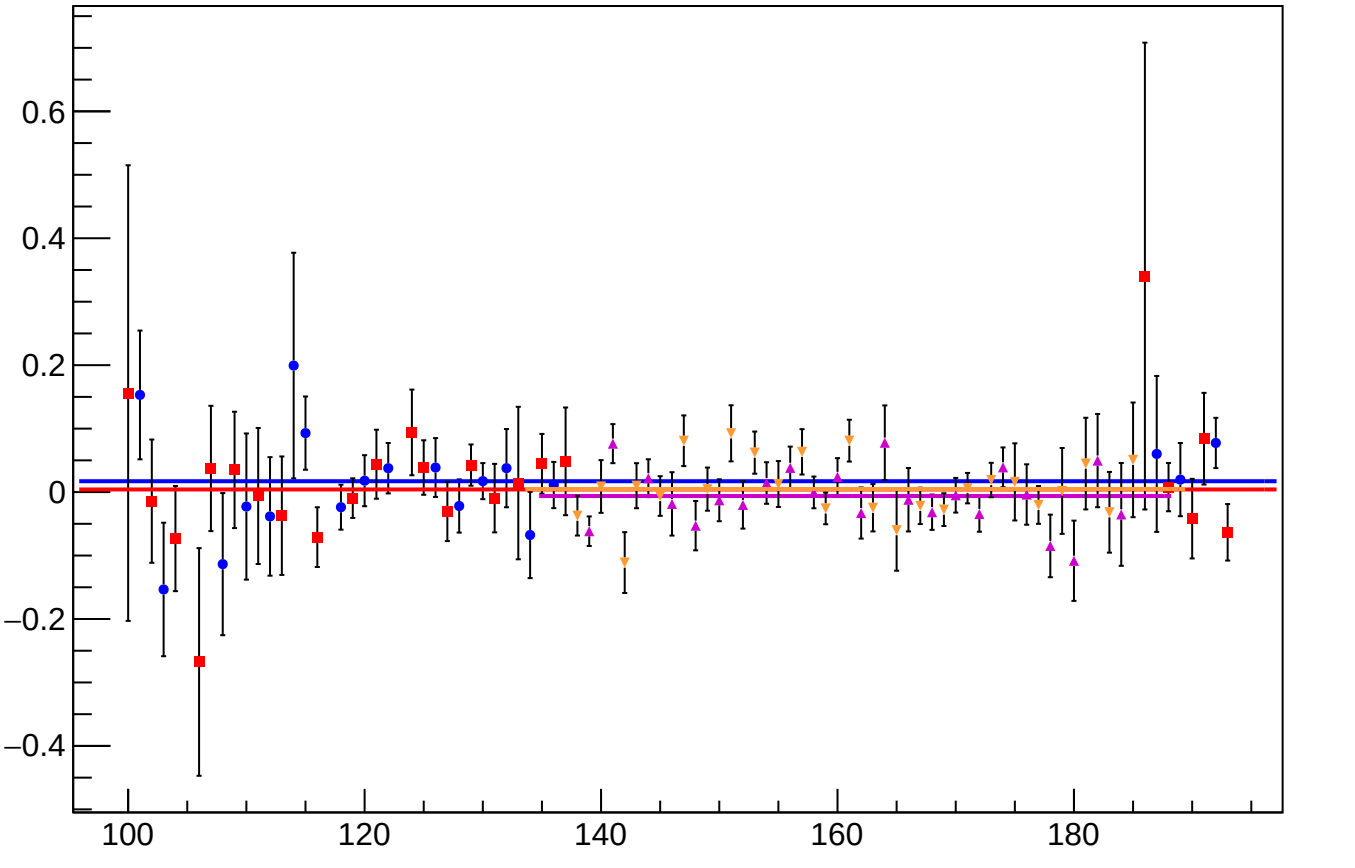
Right Out: 0.002+/-0.000 χ^2/NDF: 6124252.6/23

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: 30941519.3/90

- sign 0.001+/-0.000 χ^2/NDF: 15199428.2/46



Right In: 0.017+/-0.012 χ^2/NDF: 15.9/18

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

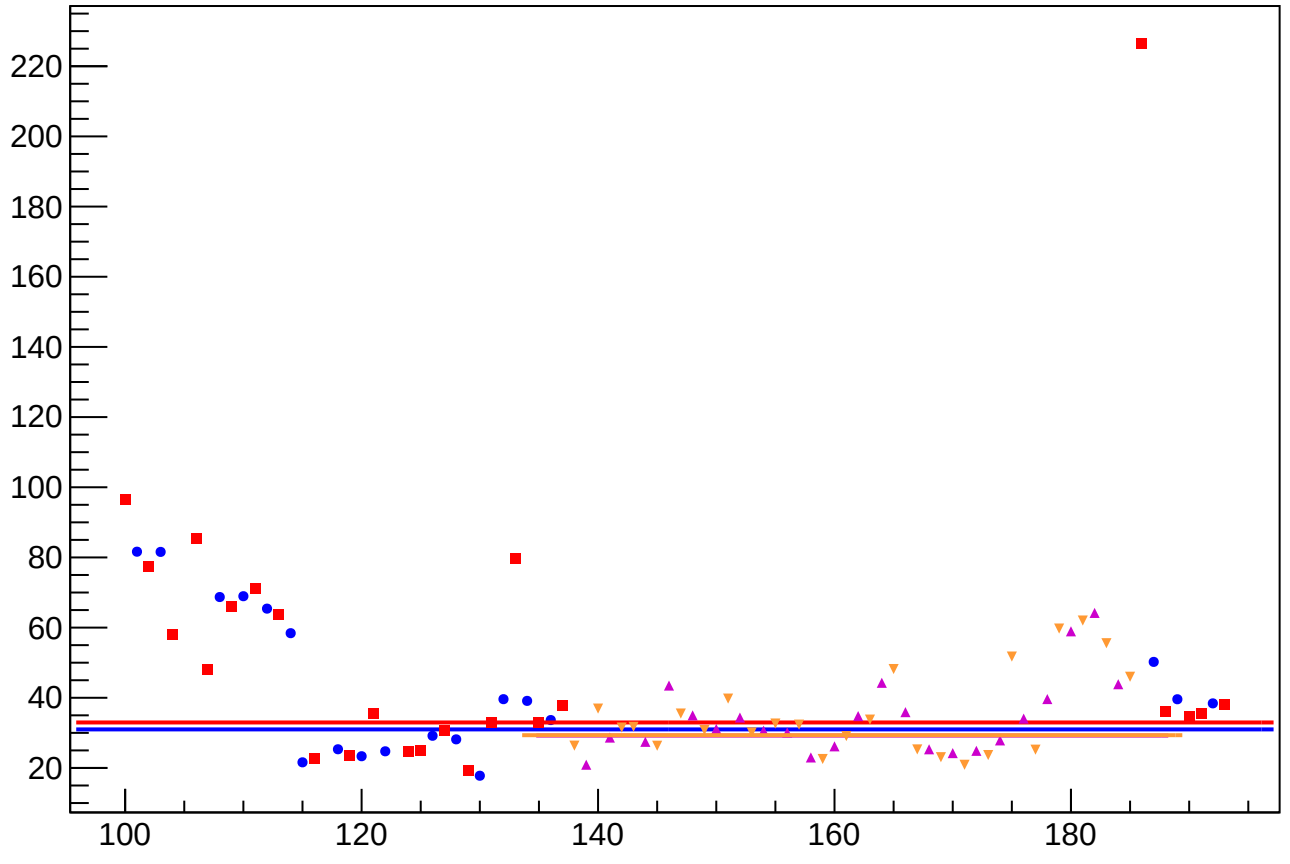
Right Out: 0.004+/-0.012 χ^2/NDF: 17.5/23

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: 101.4/90

- sign -0.003+/-0.006 χ^2/NDF: 49.0/46



Right In: 30.987+/-0.008 χ^2/NDF: 2635527.0/18

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

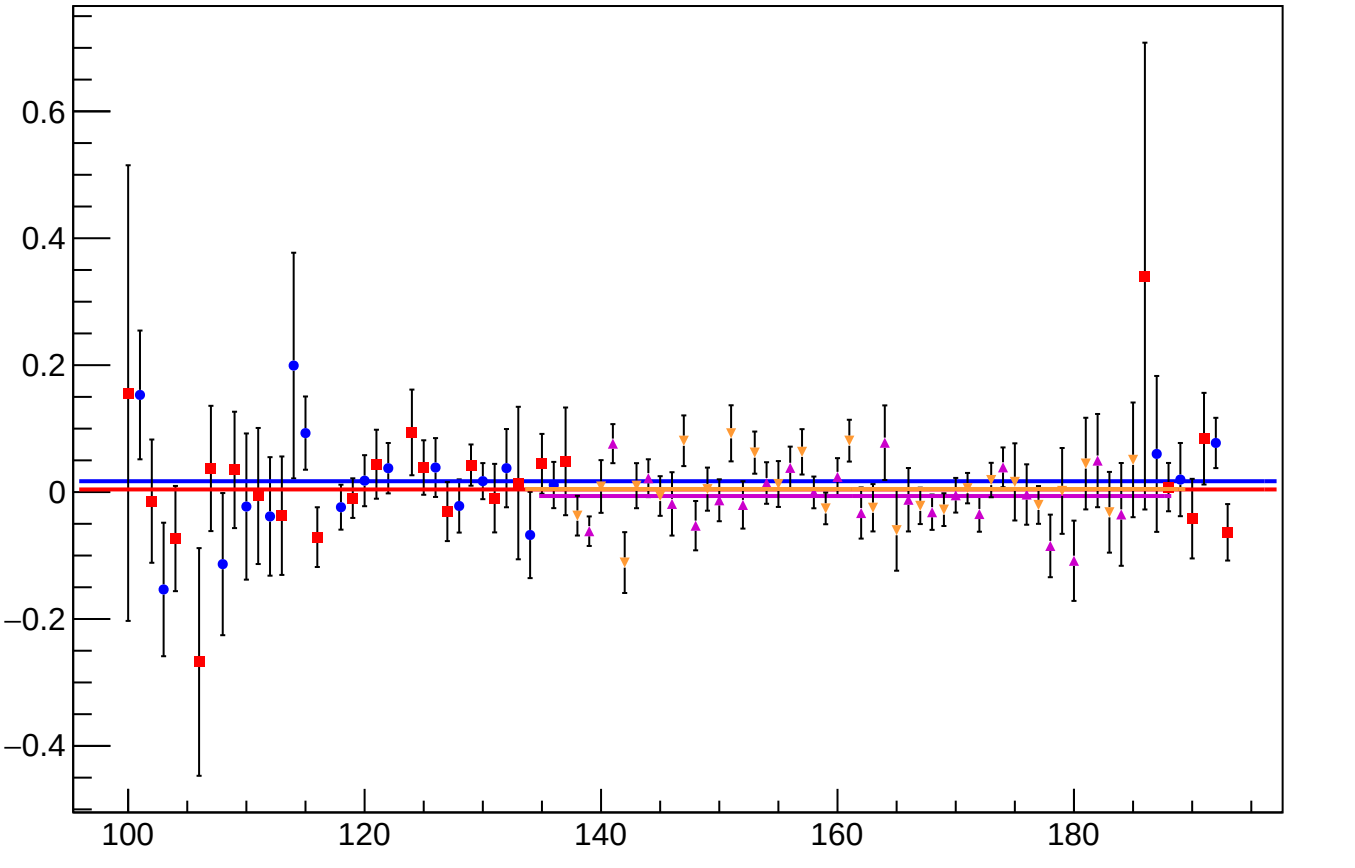
Right Out: 32.966+/-0.008 χ^2/NDF: 3268298.9/23

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.784+/-0.004 χ^2/NDF: 5351874.8/43

All: 30.024+/-0.003 χ^2/NDF: 10872273.7/90

- sign 30.271+/-0.004 χ^2/NDF: 5514052.0/46



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: 0.004+/-0.012 χ^2/NDF: 17.5/23

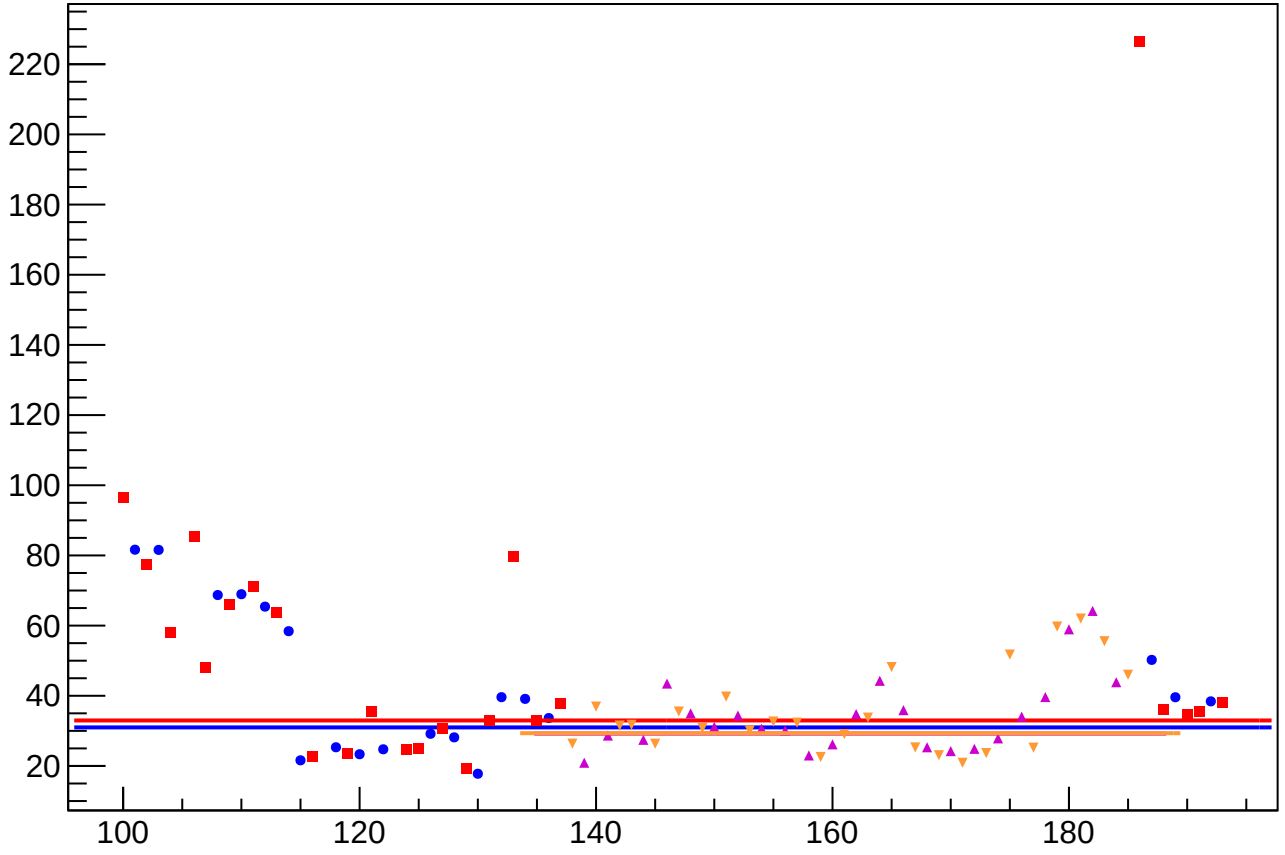
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.008+/-0.006 χ^2/NDF: 50.6/43

All: 0.003+/-0.004 χ^2/NDF: 101.4/90

- sign -0.003+/-0.006 χ^2/NDF: 49.0/46

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.987+/-0.008 χ^2/NDF: 2635527.0/18

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

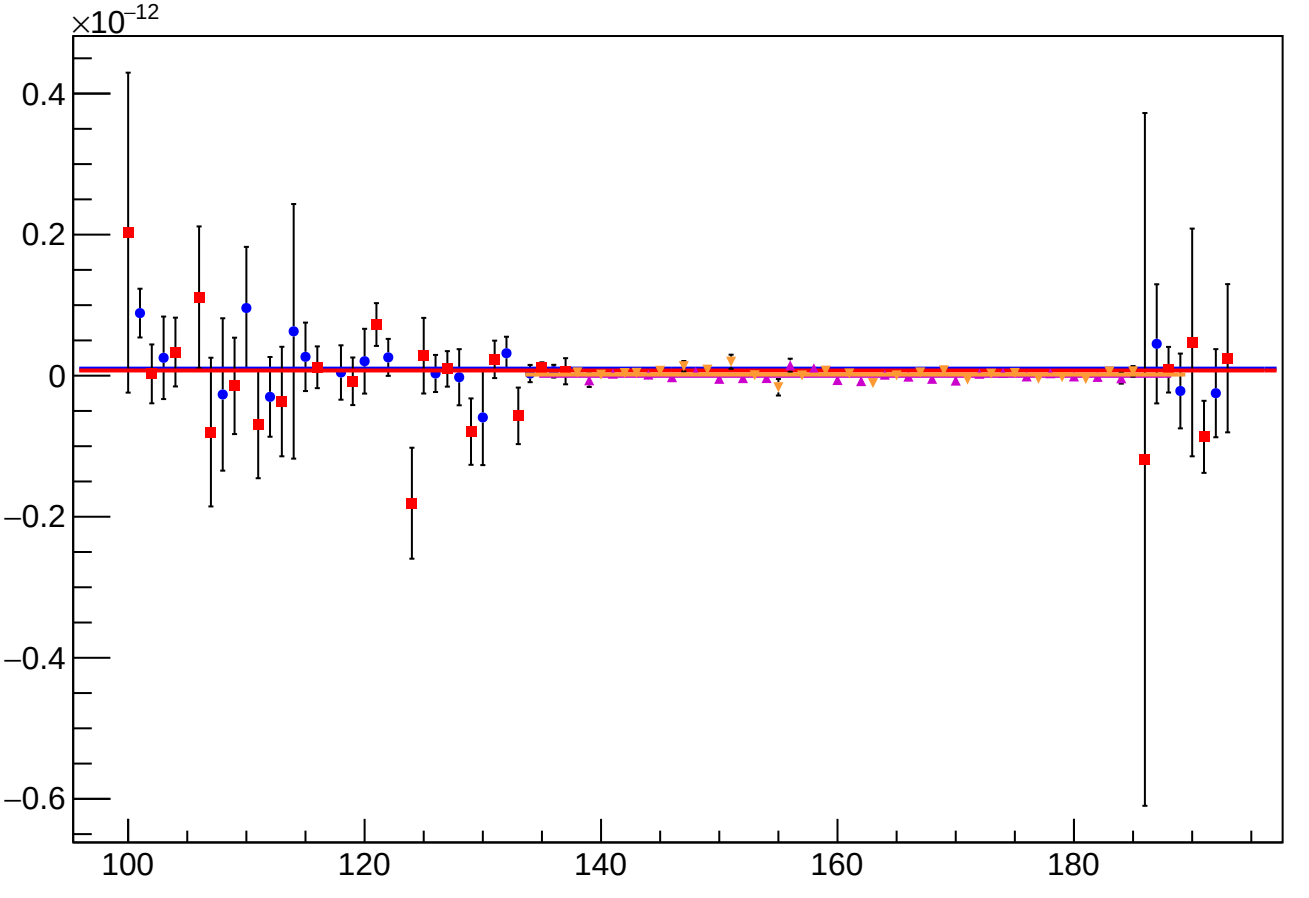
Right Out: 32.966+/-0.008 χ^2/NDF: 3268298.9/23

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.784+/-0.004 χ^2/NDF: 5351874.8/43

All: 30.024+/-0.003 χ^2/NDF: 10872273.7/90

- sign 30.271+/-0.004 χ^2/NDF: 5514052.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 10.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

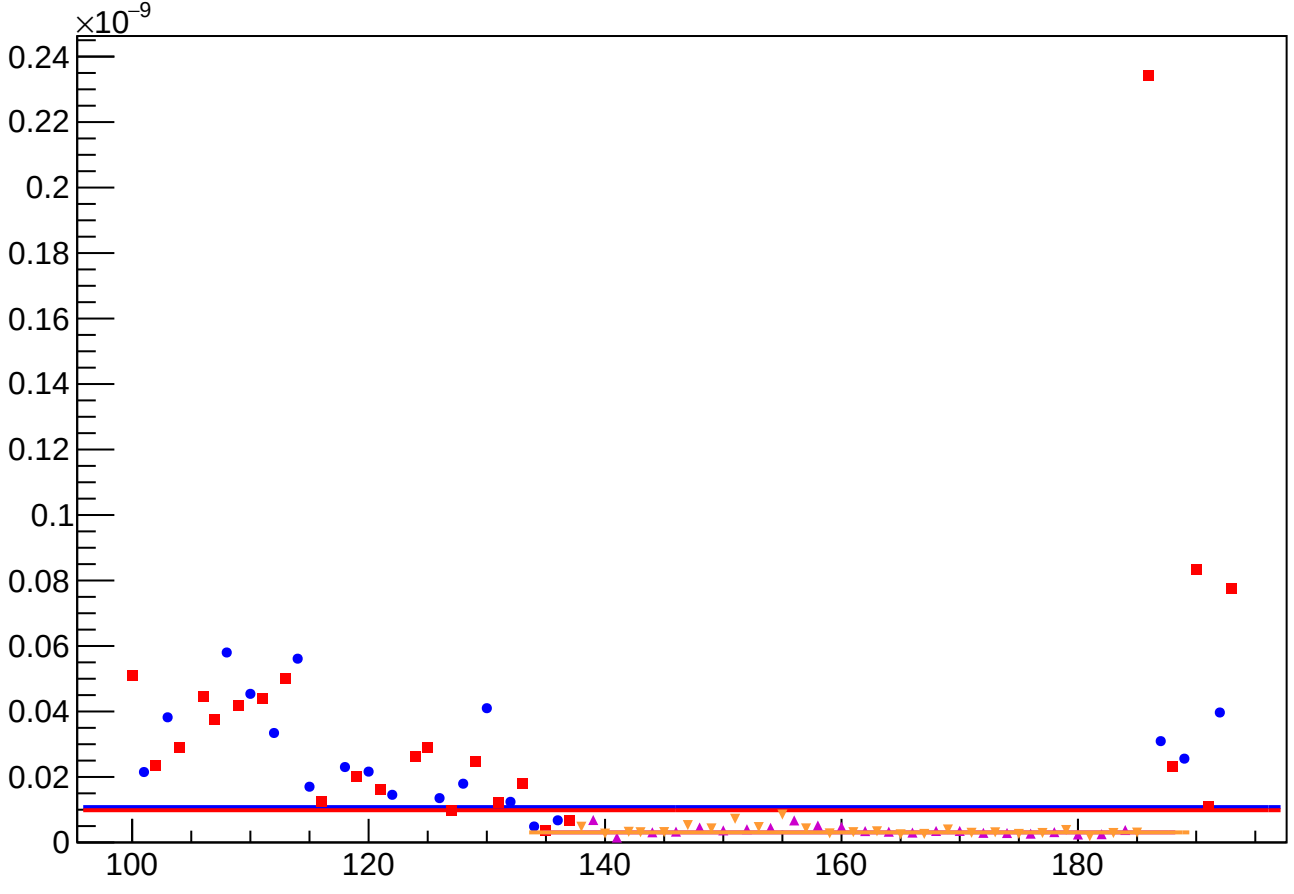
Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/23

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: 95.0/90

- sign -0.000+/-0.000 χ^2/NDF: 45.3/46



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: 6549486.0/23

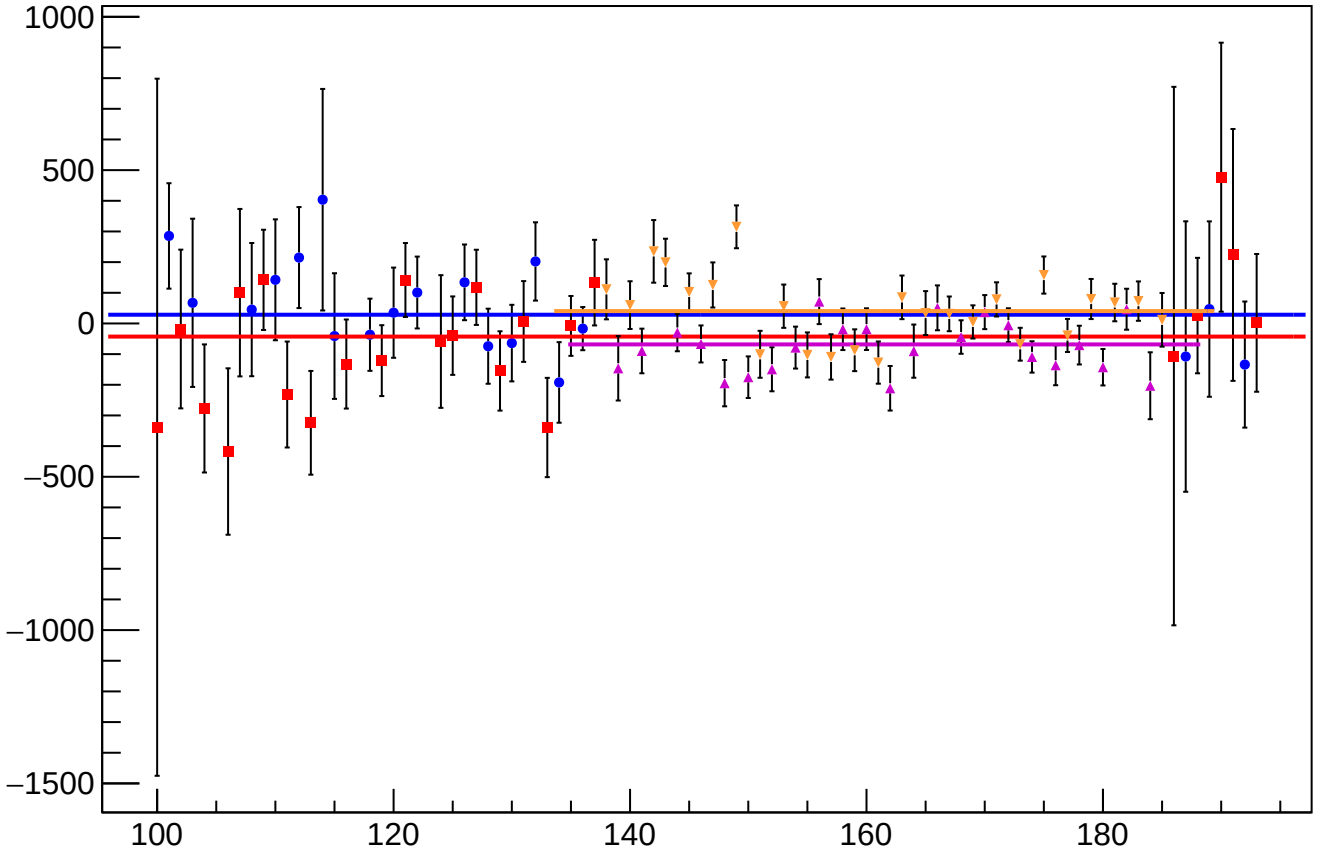
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9574391.9/43

All: 0.000+/-0.000 χ^2/NDF: 20944558.8/90

- sign 0.000+/-0.000 χ^2/NDF: 11370164.7/46

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: -42.813+/-33.638 χ^2/NDF: 21.6/23

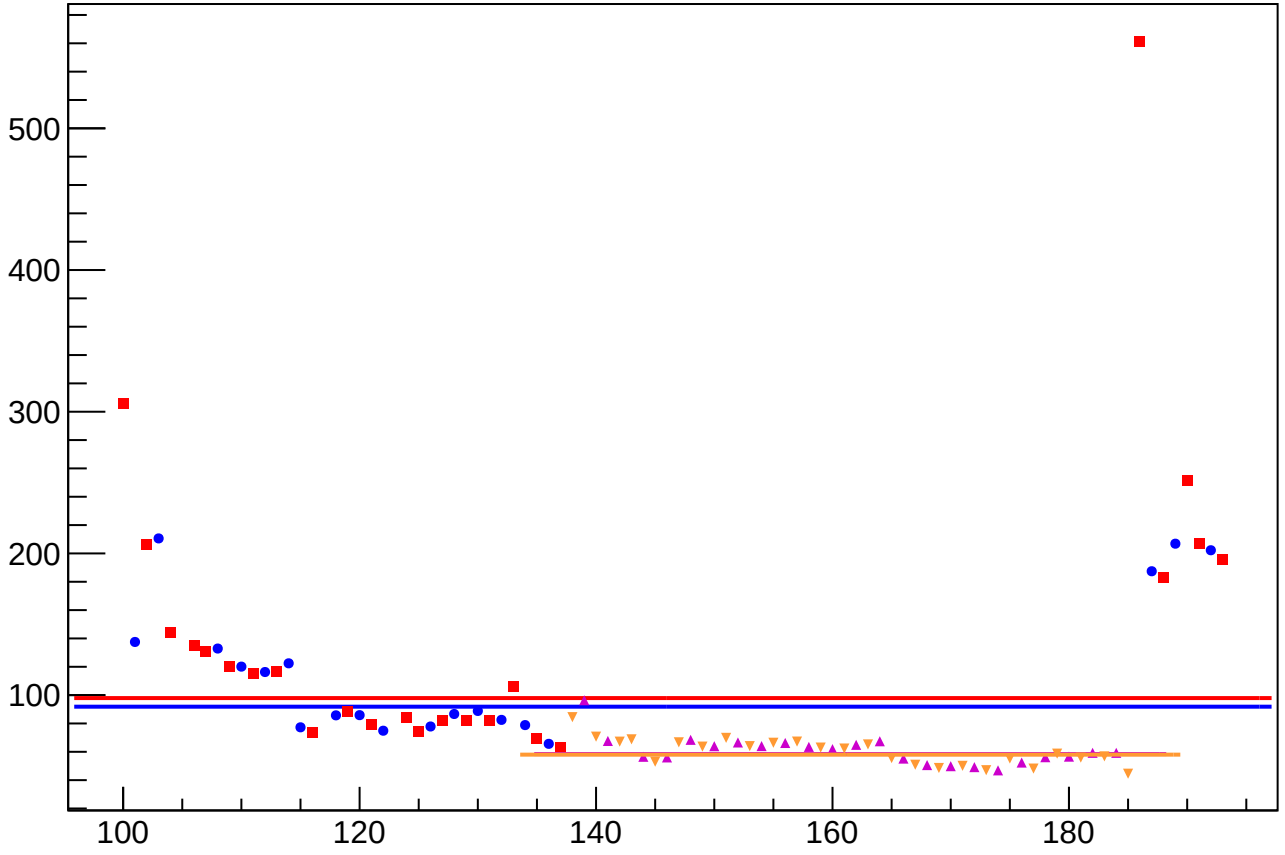
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 38.671+/-12.423 χ^2/NDF: 73.1/43

All: -11.359+/-8.921 χ^2/NDF: 160.4/90

- sign -64.636+/-12.820 χ^2/NDF: 53.9/46

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

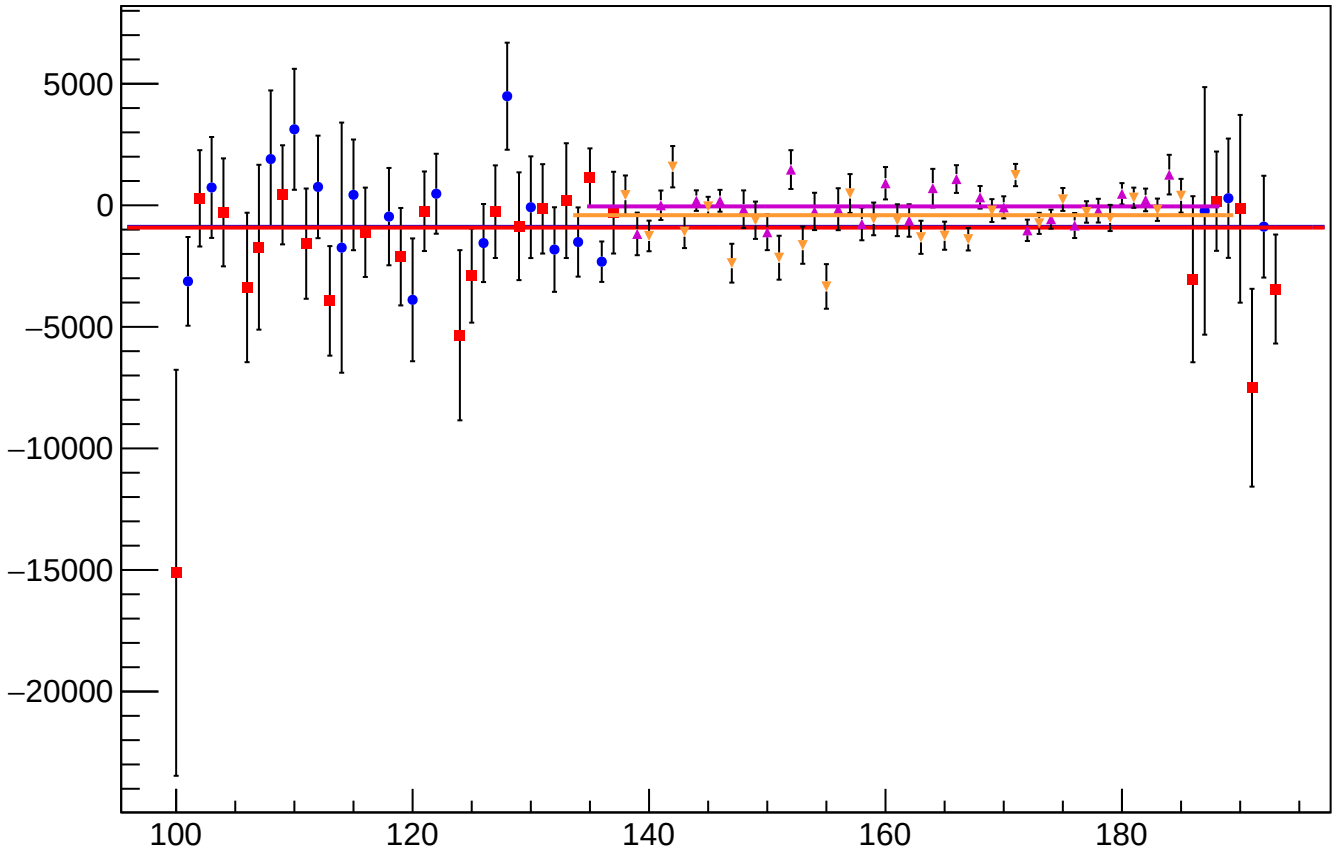
Right Out: 97.915+/-0.024 χ^2/NDF: 2981639.1/23

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.760+/-0.009 χ^2/NDF: 4682766.3/43

All: 63.427+/-0.006 χ^2/NDF: 10770955.2/90

- sign 64.136+/-0.009 χ^2/NDF: 6076299.6/46



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: -916.025+/-437.704 χ^2/NDF: 17.7/23

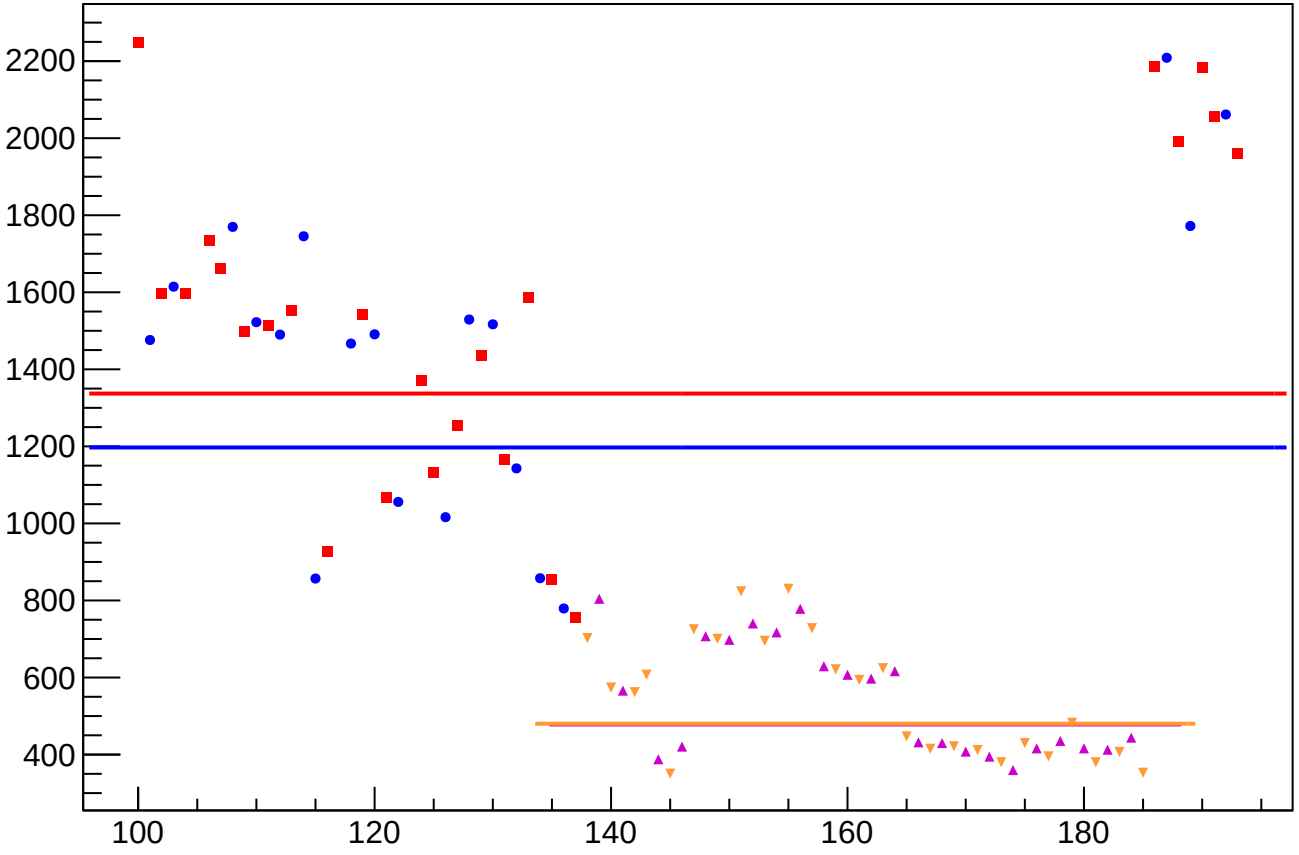
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -438.490+/-109.601 χ^2/NDF: 83.2/43

All: -273.659+/-78.305 χ^2/NDF: 140.3/90

- sign -101.788+/-111.917 χ^2/NDF: 52.5/46

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: 1337.077+/-0.310 χ^2/NDF: 1629163.0/23

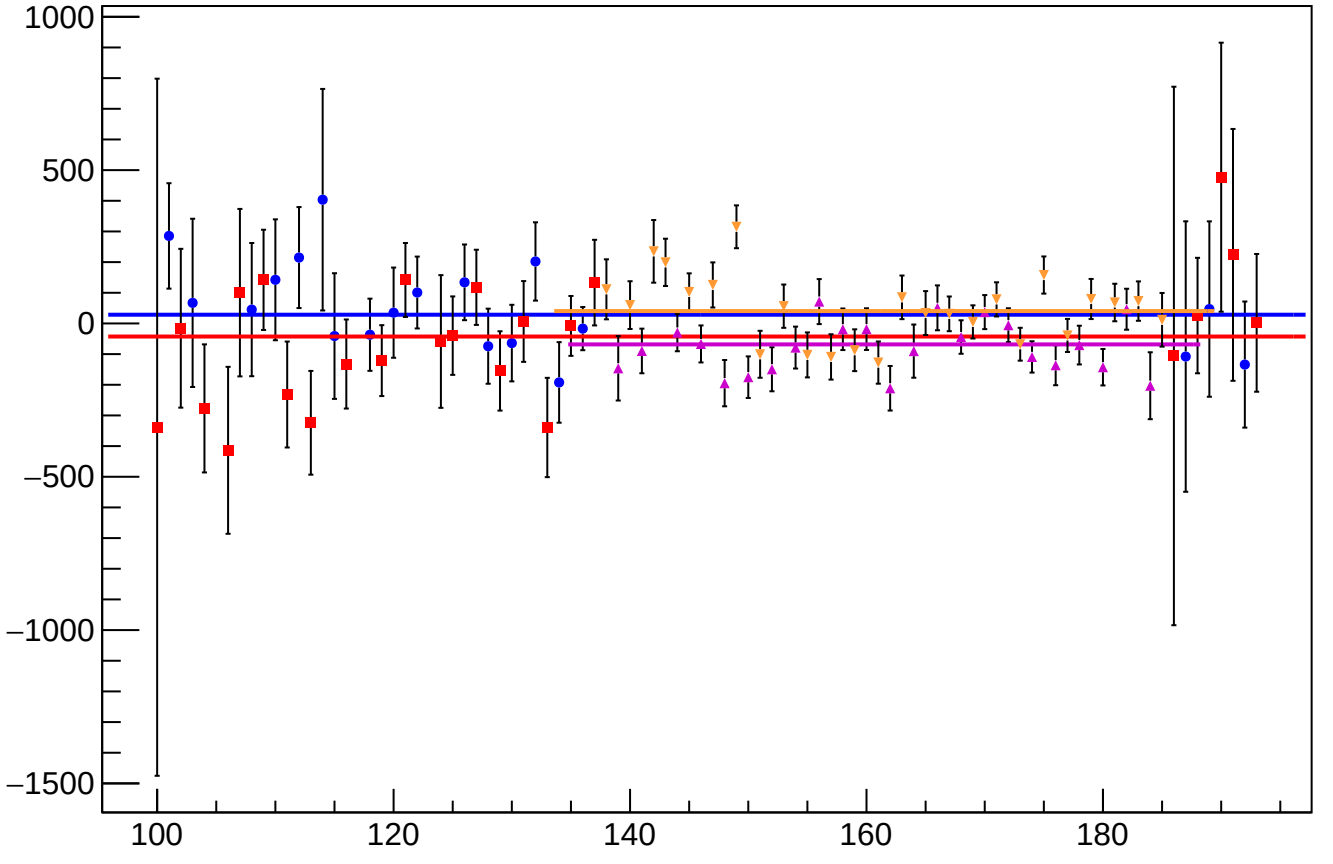
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 528.197+/-0.077 χ^2/NDF: 9628833.1/43

All: 531.157+/-0.055 χ^2/NDF: 20675717.7/90

- sign 534.243+/-0.079 χ^2/NDF: 11043905.6/46

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: -42.672+/-33.640 χ^2/NDF: 21.6/23

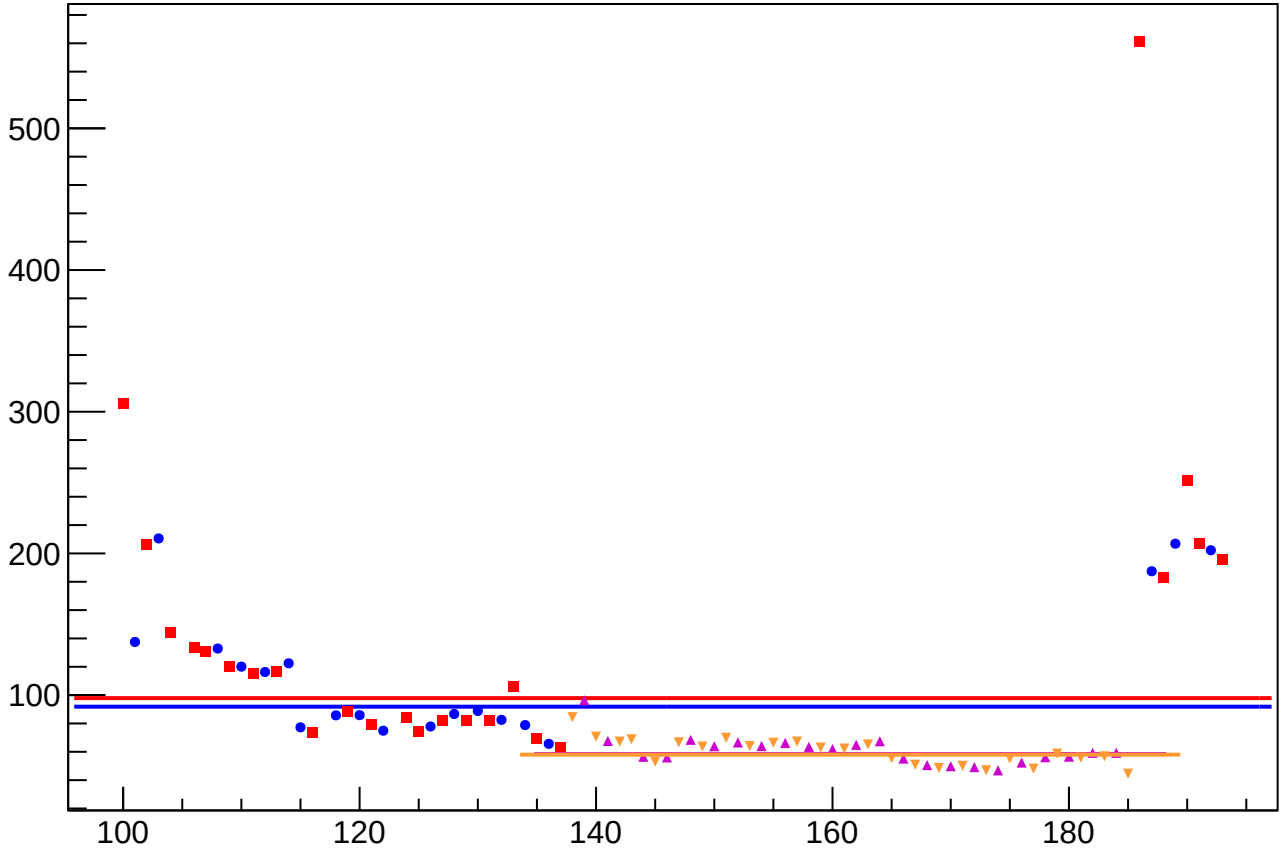
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.672+/-12.423 χ^2/NDF: 73.1/43

All: -11.348+/-8.921 χ^2/NDF: 160.4/90

- sign -64.615+/-12.820 χ^2/NDF: 53.8/46

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

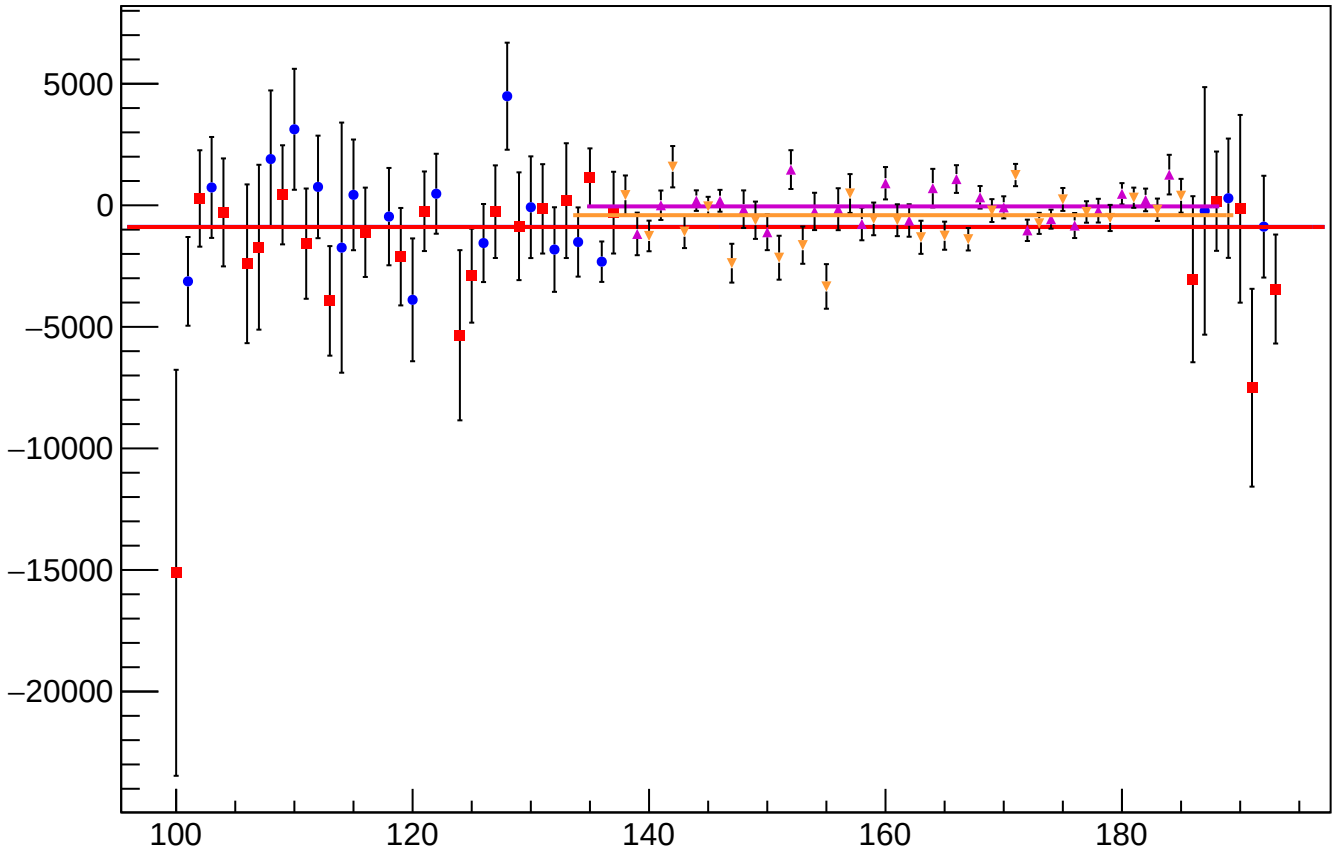
Right Out: 97.881+/-0.024 χ^2/NDF: 2977881.2/23

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.760+/-0.009 χ^2/NDF: 4682768.5/43

All: 63.424+/-0.006 χ^2/NDF: 10762858.4/90

- sign 64.131+/-0.009 χ^2/NDF: 6068294.7/46



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: -893.156+/-438.225 χ^2/NDF: 17.3/23

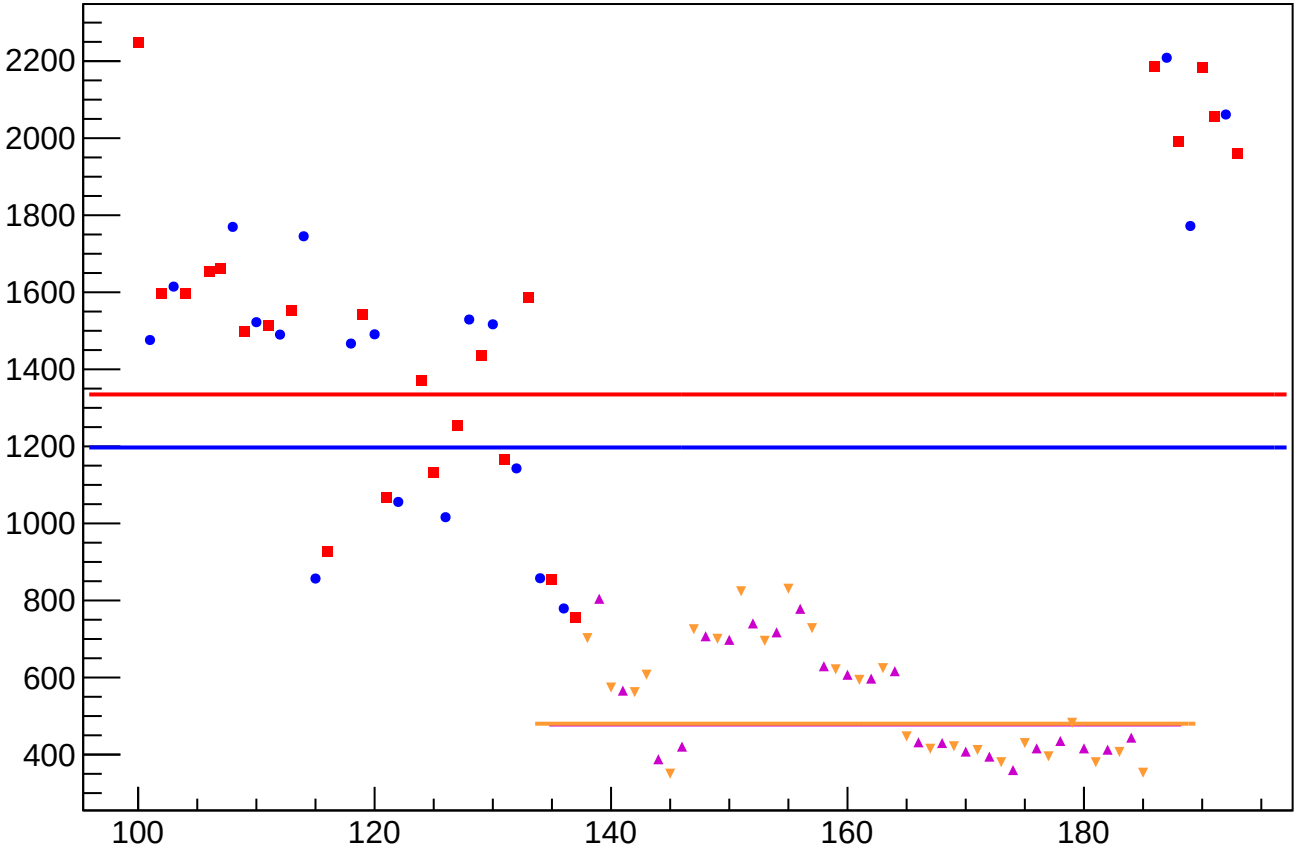
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -438.486+/-109.601 χ^2/NDF: 83.2/43

All: -272.877+/-78.308 χ^2/NDF: 139.7/90

- sign -100.169+/-111.926 χ^2/NDF: 51.8/46

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: 1334.793+/-0.310 χ^2/NDF: 1615119.7/23

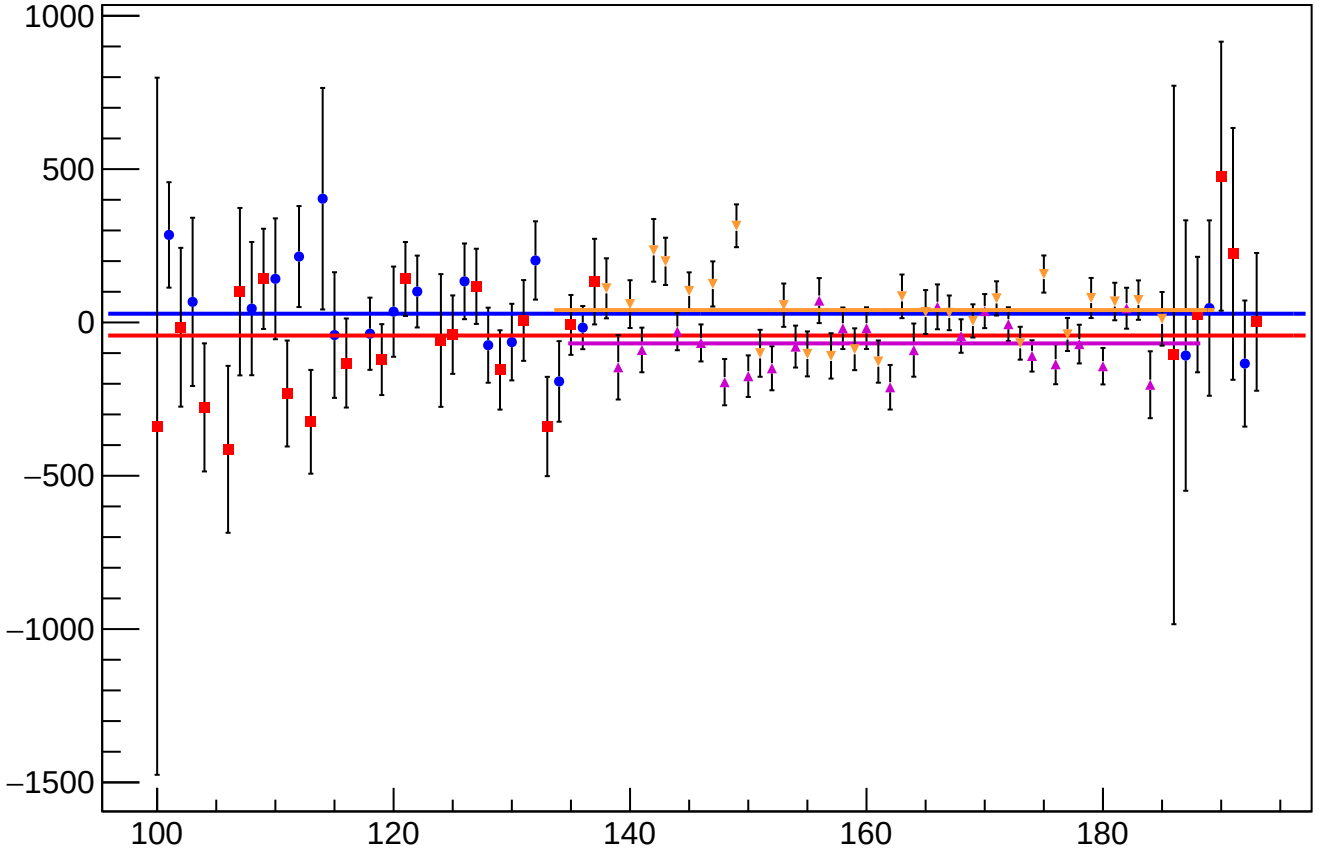
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 528.197+/-0.077 χ^2/NDF: 9628860.1/43

All: 531.022+/-0.055 χ^2/NDF: 20607267.6/90

- sign 533.969+/-0.079 χ^2/NDF: 10975692.2/46

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: -42.672+/-33.640 χ^2/NDF: 21.6/23

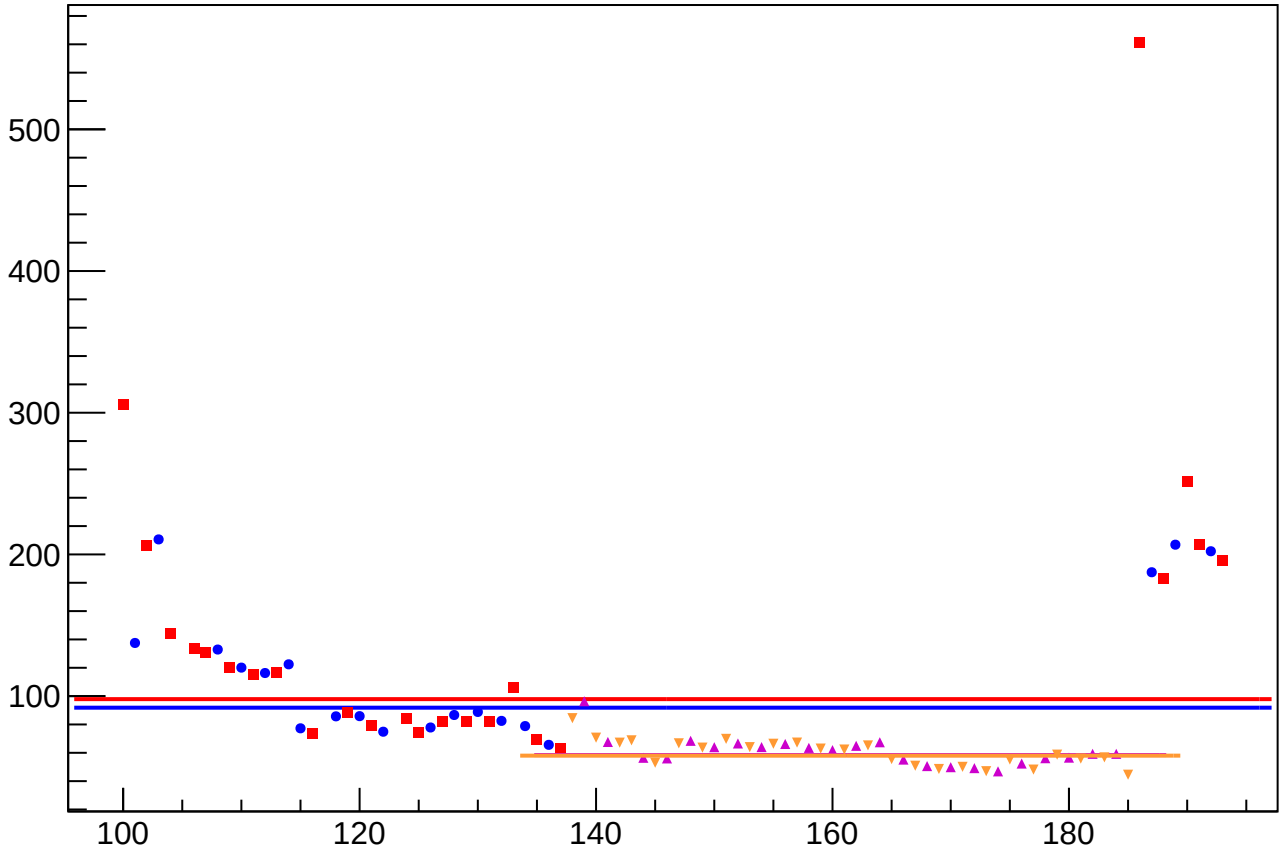
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.672+/-12.423 χ^2/NDF: 73.1/43

All: -11.348+/-8.921 χ^2/NDF: 160.4/90

- sign -64.615+/-12.820 χ^2/NDF: 53.8/46

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

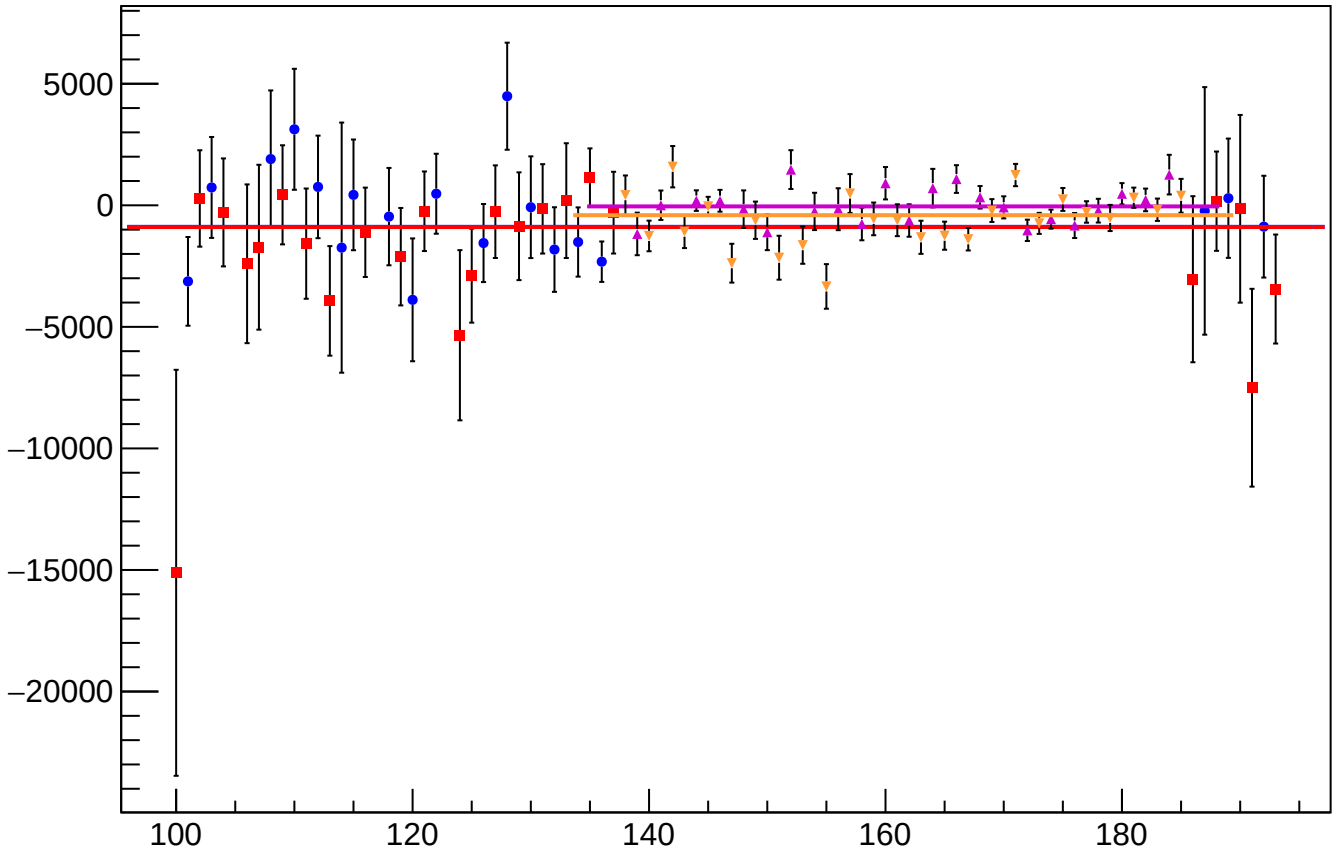
Right Out: 97.881+/-0.024 χ^2/NDF: 2977881.2/23

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.760+/-0.009 χ^2/NDF: 4682768.5/43

All: 63.424+/-0.006 χ^2/NDF: 10762858.4/90

- sign 64.131+/-0.009 χ^2/NDF: 6068294.7/46



Right In: -886.458+/-423.442 χ^2/NDF: 18.8/18

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

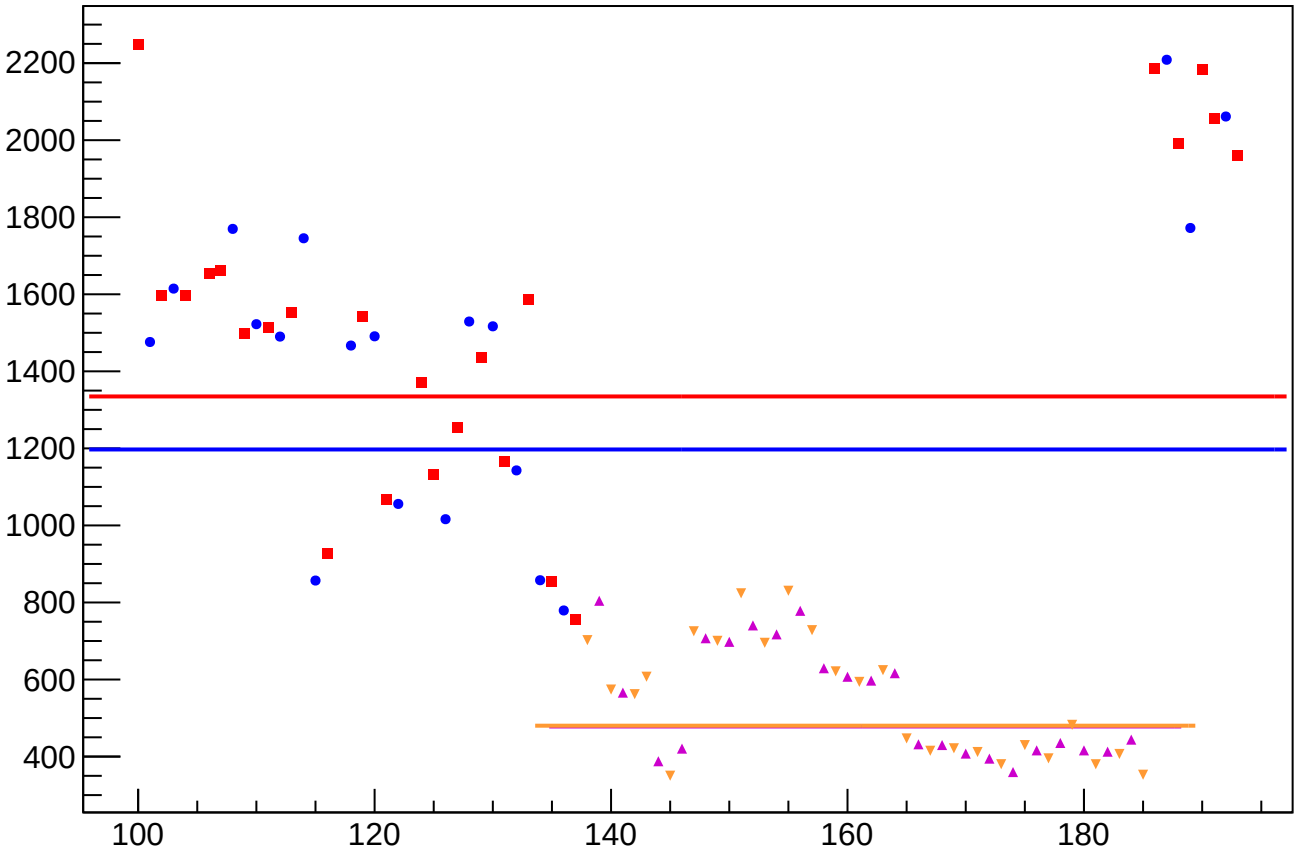
Right Out: -893.156+/-438.225 χ^2/NDF: 17.3/23

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -438.486+/-109.601 χ^2/NDF: 83.2/43

All: -272.877+/-78.308 χ^2/NDF: 139.7/90

- sign -100.169+/-111.926 χ^2/NDF: 51.8/46



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: 1334.793+/-0.310 χ^2/NDF: 1615119.7/23

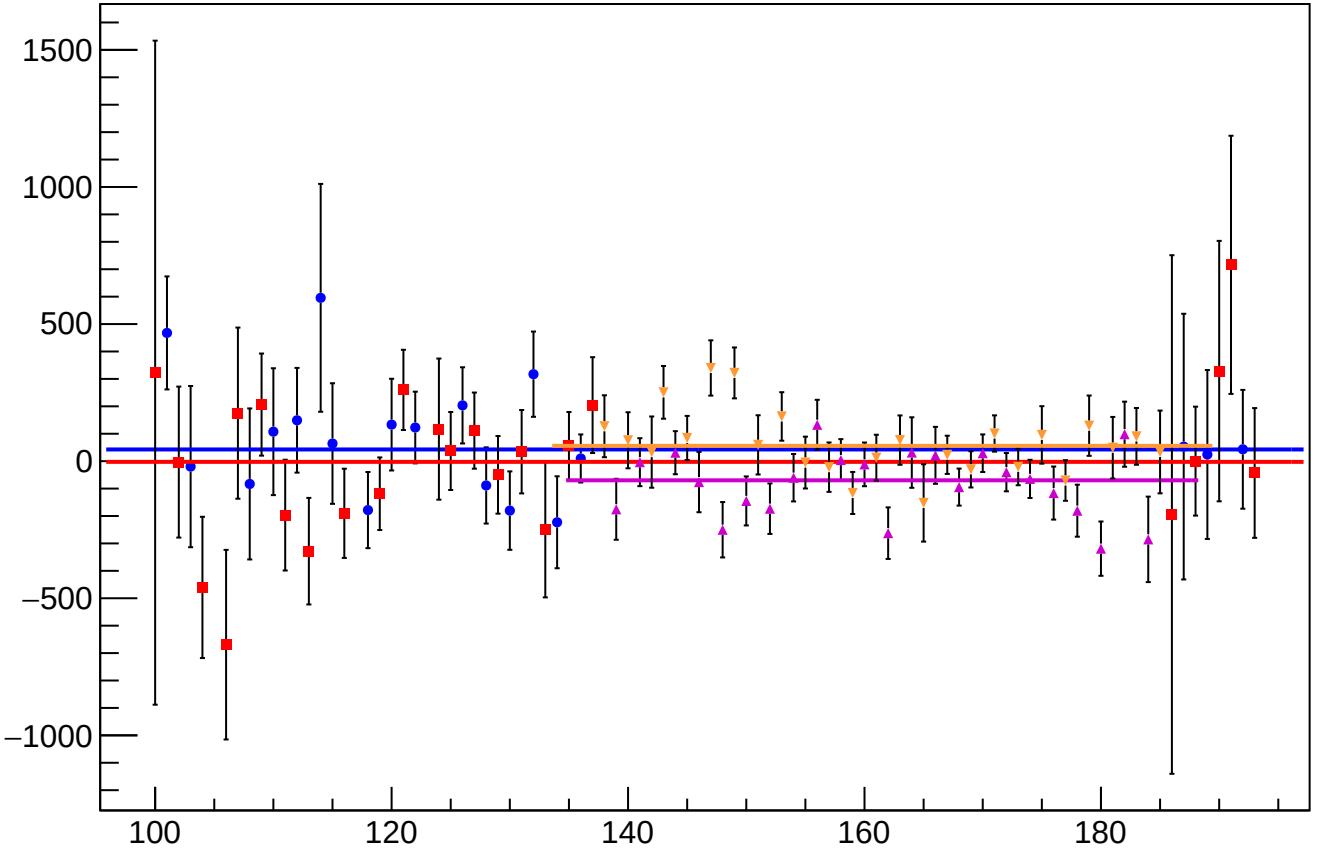
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 528.197+/-0.077 χ^2/NDF: 9628860.1/43

All: 531.022+/-0.055 χ^2/NDF: 20607267.6/90

- sign 533.969+/-0.079 χ^2/NDF: 10975692.2/46

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: -2.518+/-39.332 χ^2/NDF: 24.2/23

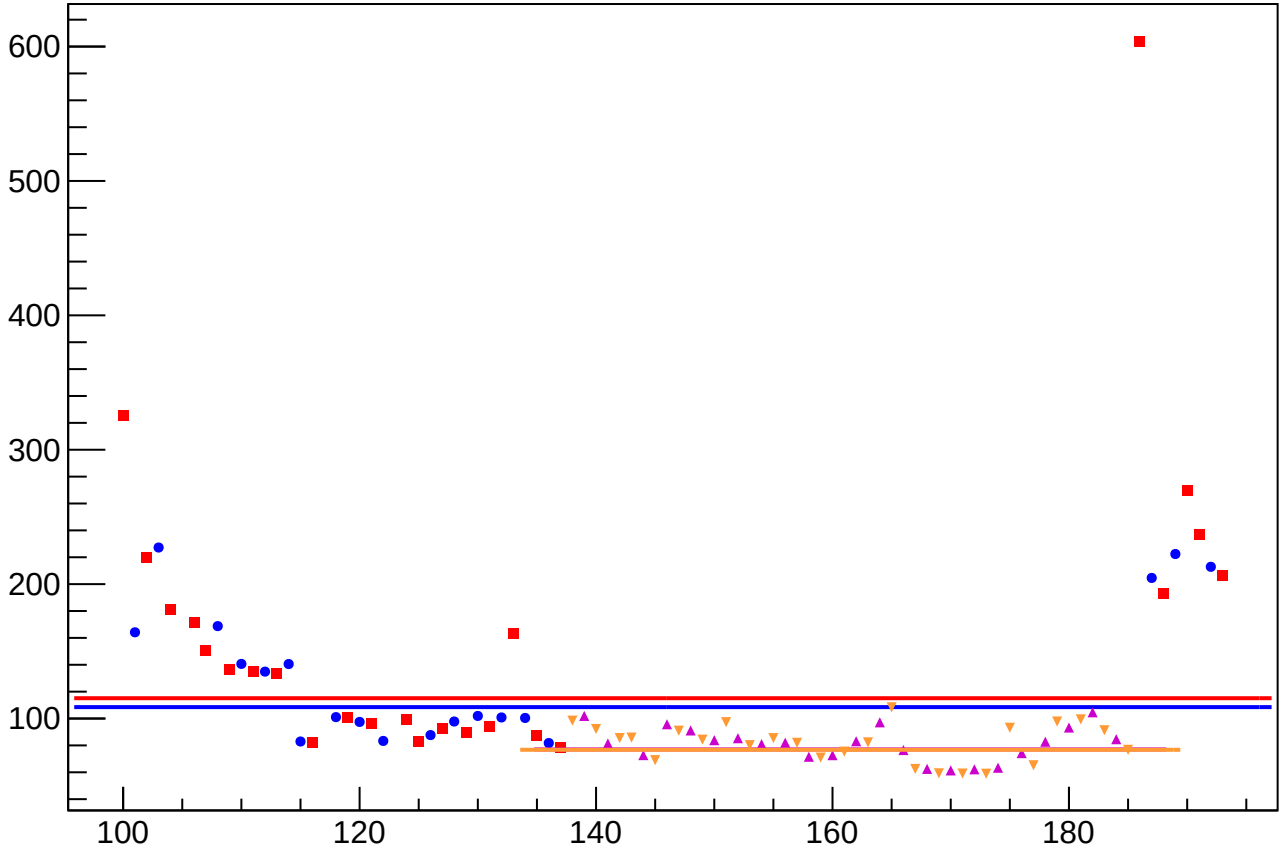
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 53.617+/-16.294 χ^2/NDF: 58.7/43

All: -0.521+/-11.675 χ^2/NDF: 142.6/90

- sign -57.651+/-16.738 χ^2/NDF: 61.2/46

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

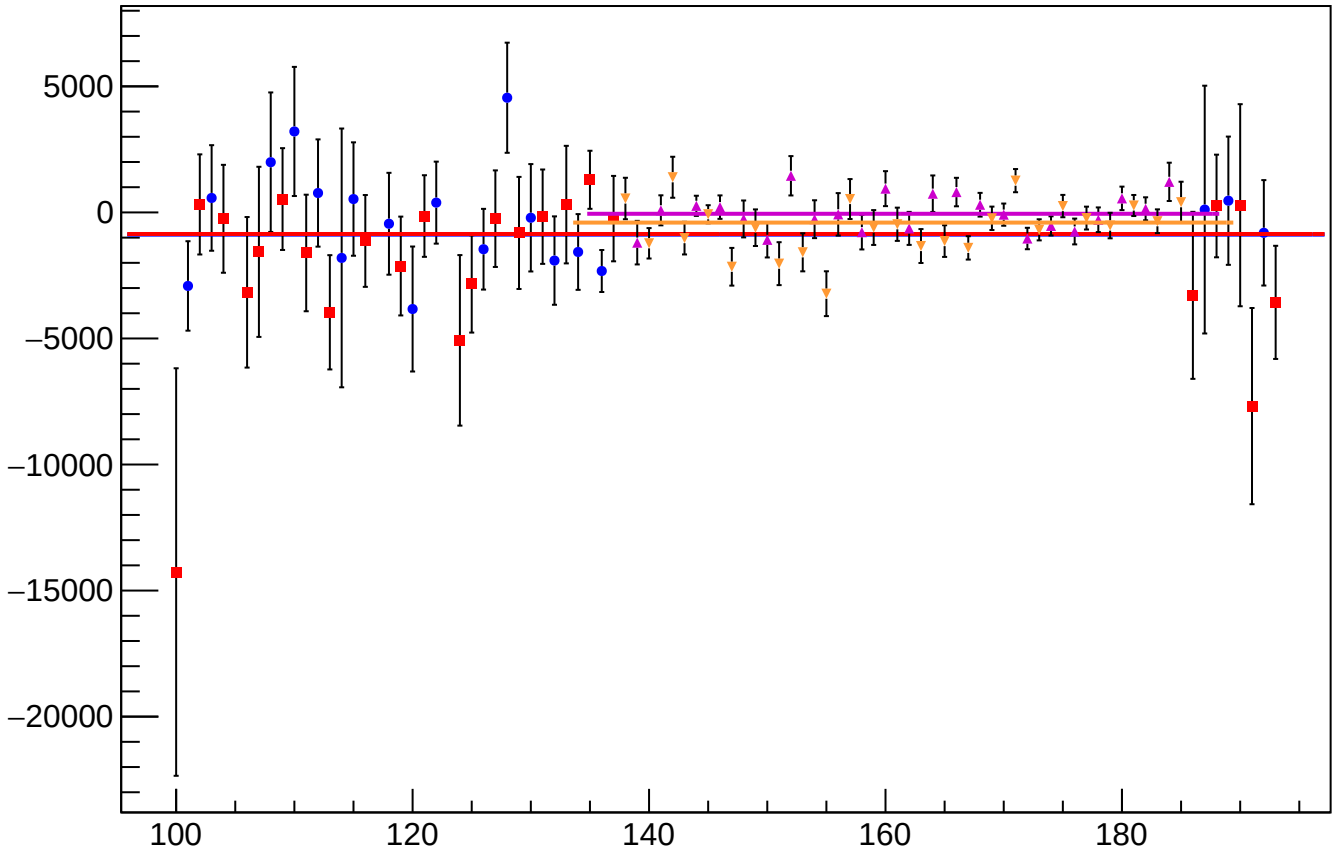
Right Out: 115.122+/-0.028 χ^2/NDF: 2776081.6/23

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 82.330+/-0.012 χ^2/NDF: 4181442.3/43

All: 83.103+/-0.008 χ^2/NDF: 9362789.8/90

- sign 83.919+/-0.012 χ^2/NDF: 5172099.7/46



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: -855.672+/-433.562 χ^2/NDF: 19.1/23

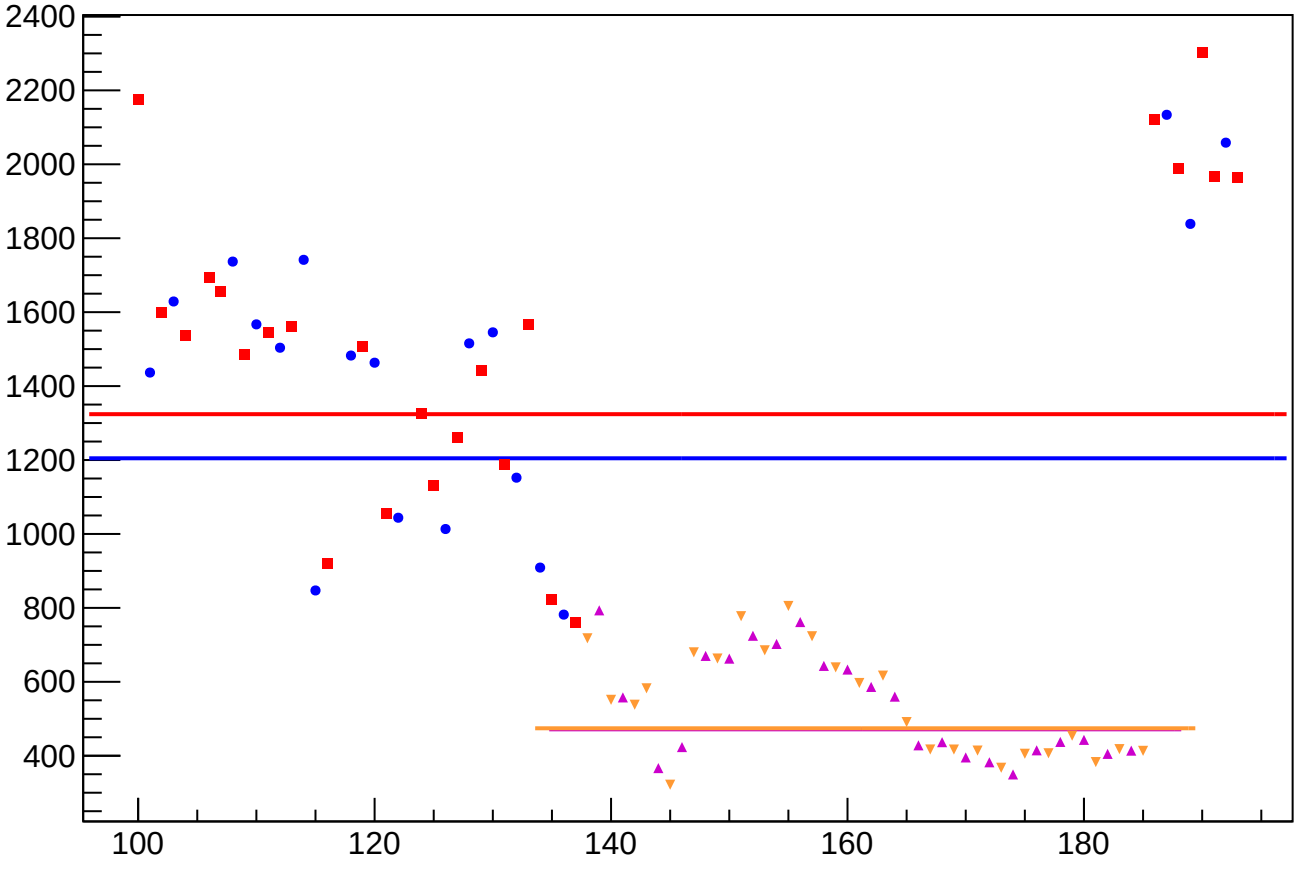
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -434.184+/-108.103 χ^2/NDF: 80.7/43

All: -273.725+/-77.258 χ^2/NDF: 138.2/90

- sign -106.210+/-110.454 χ^2/NDF: 52.9/46

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: 1324.030+/-0.307 χ^2/NDF: 1679223.4/23

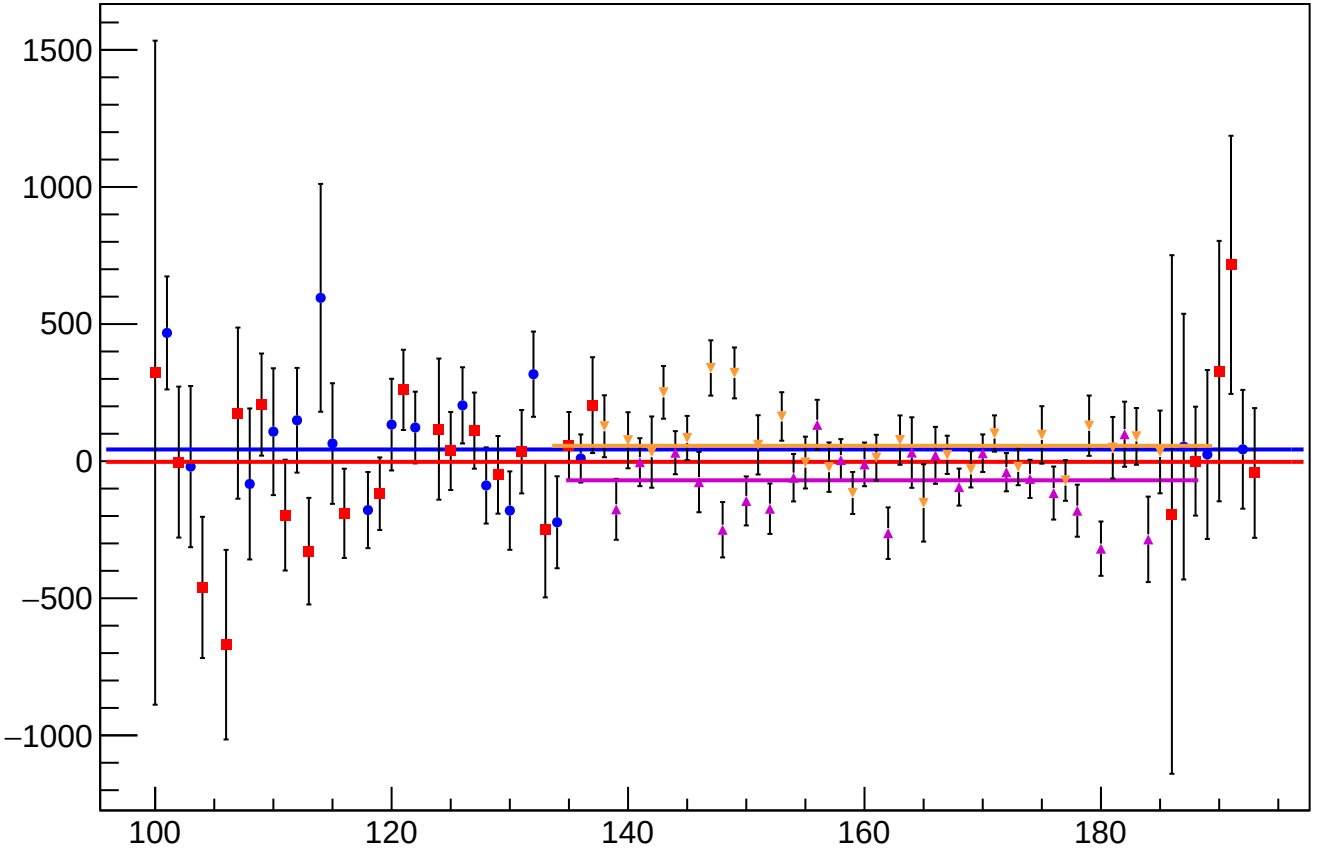
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 521.467+/-0.076 χ^2/NDF: 9720735.6/43

All: 524.072+/-0.055 χ^2/NDF: 20843508.1/90

- sign 526.790+/-0.078 χ^2/NDF: 11120400.1/46

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: -2.515+/-39.332 χ^2/NDF: 24.2/23

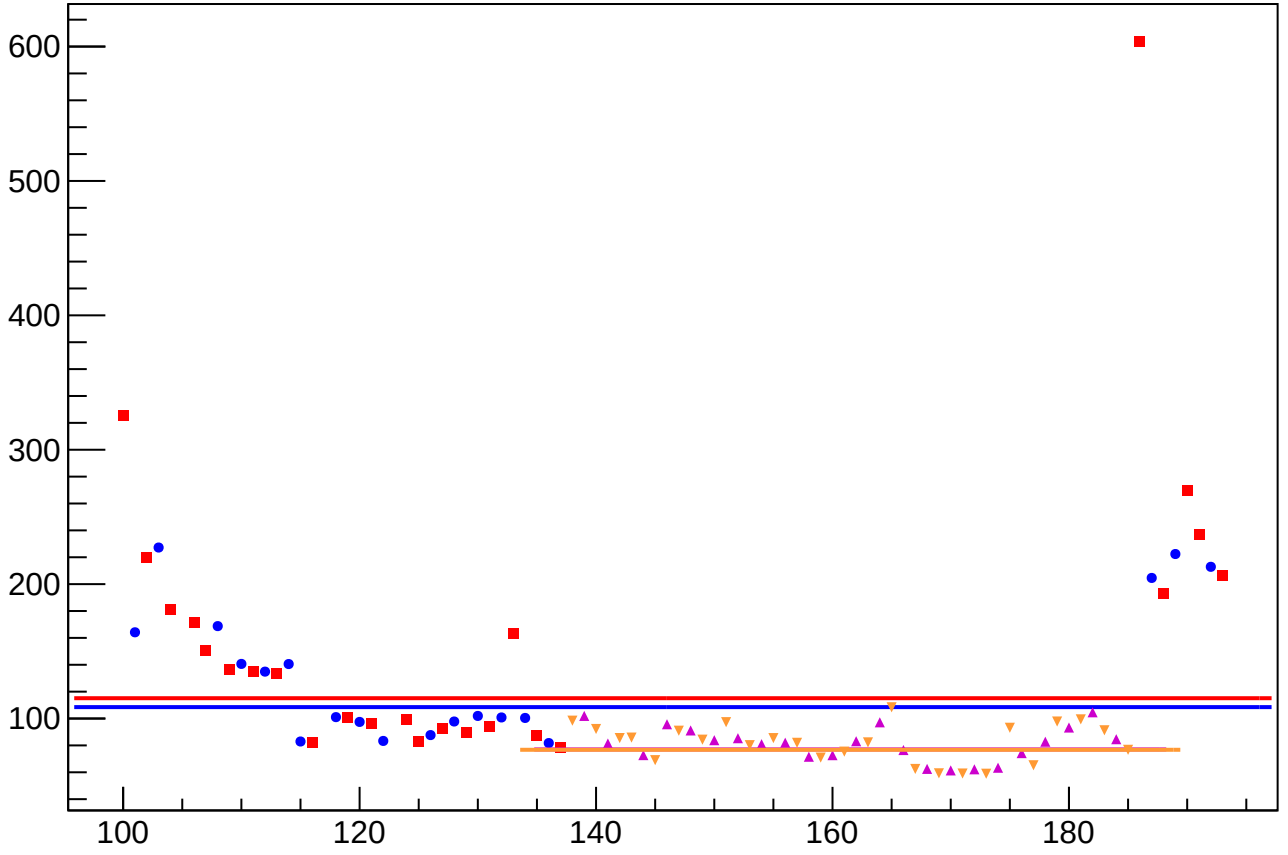
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 53.616+/-16.294 χ^2/NDF: 58.7/43

All: -0.520+/-11.675 χ^2/NDF: 142.6/90

- sign -57.650+/-16.738 χ^2/NDF: 61.2/46

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

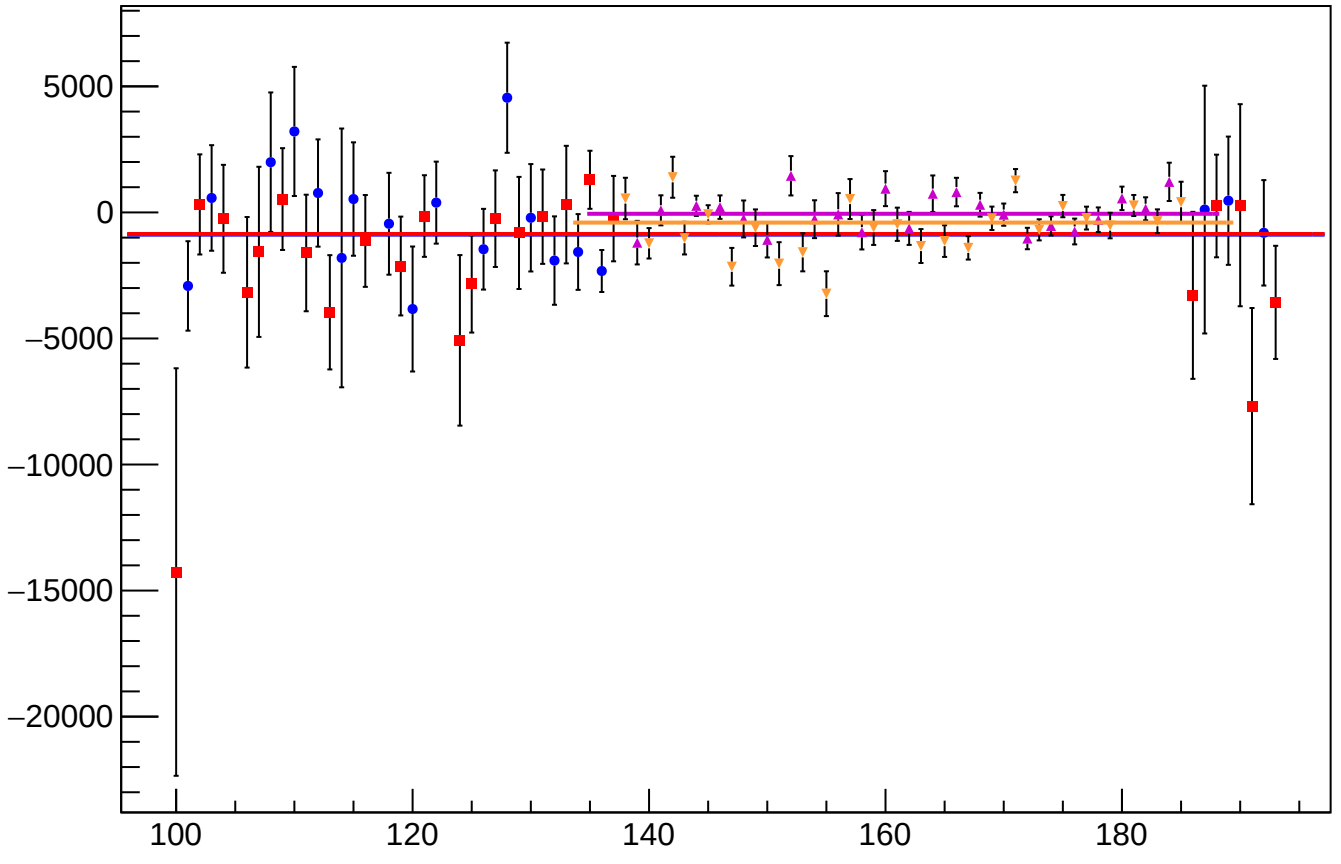
Right Out: 115.122+/-0.028 χ^2/NDF: 2776087.4/23

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 82.331+/-0.012 χ^2/NDF: 4181409.1/43

All: 83.103+/-0.008 χ^2/NDF: 9362723.2/90

- sign 83.919+/-0.012 χ^2/NDF: 5172066.0/46



Right In: -880.389+/-425.372 χ^2/NDF: 18.8/18

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

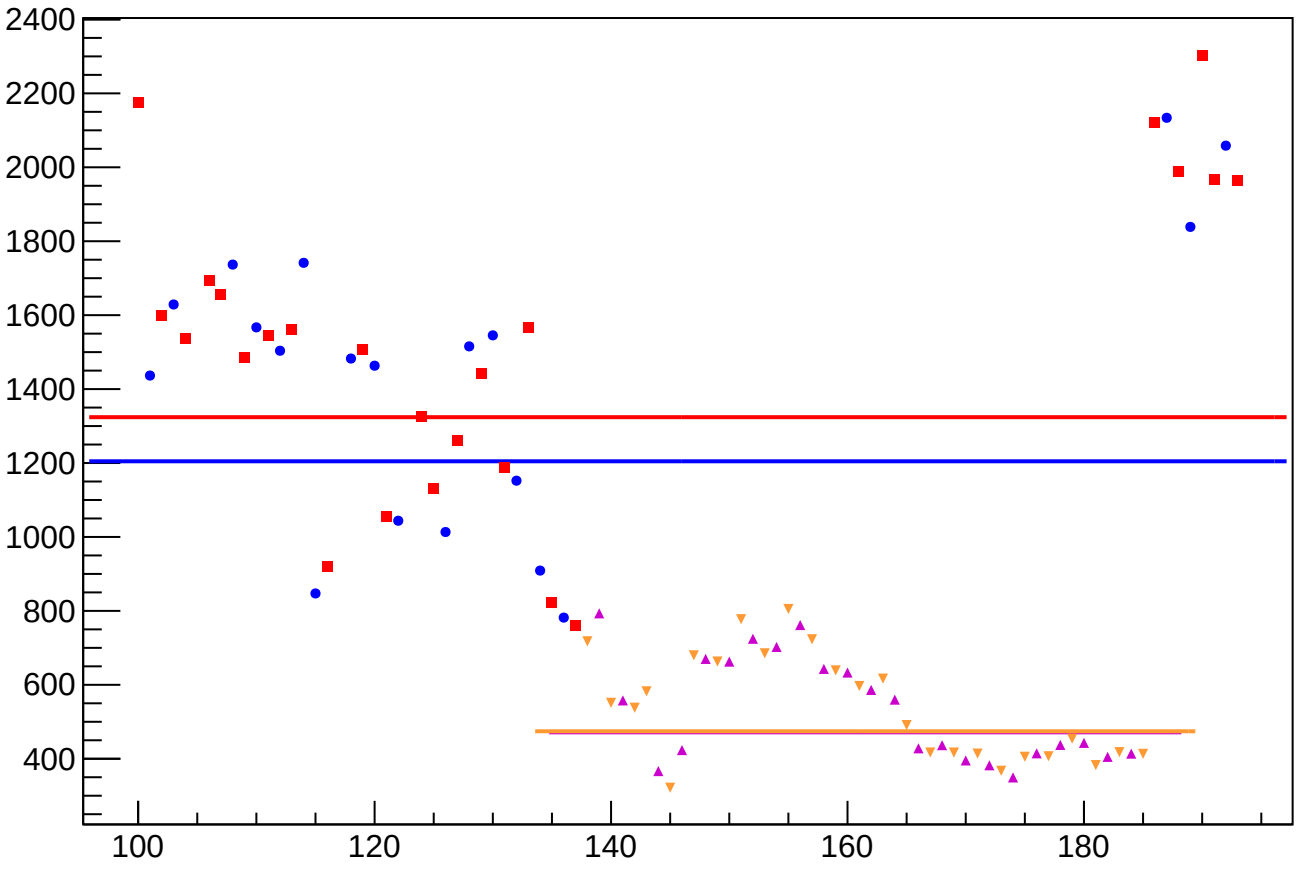
Right Out: -855.672+/-433.561 χ^2/NDF: 19.1/23

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -434.183+/-108.103 χ^2/NDF: 80.7/43

All: -273.724+/-77.258 χ^2/NDF: 138.2/90

- sign -106.210+/-110.454 χ^2/NDF: 52.9/46



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: 1324.028+/-0.307 χ^2/NDF: 1679215.1/23

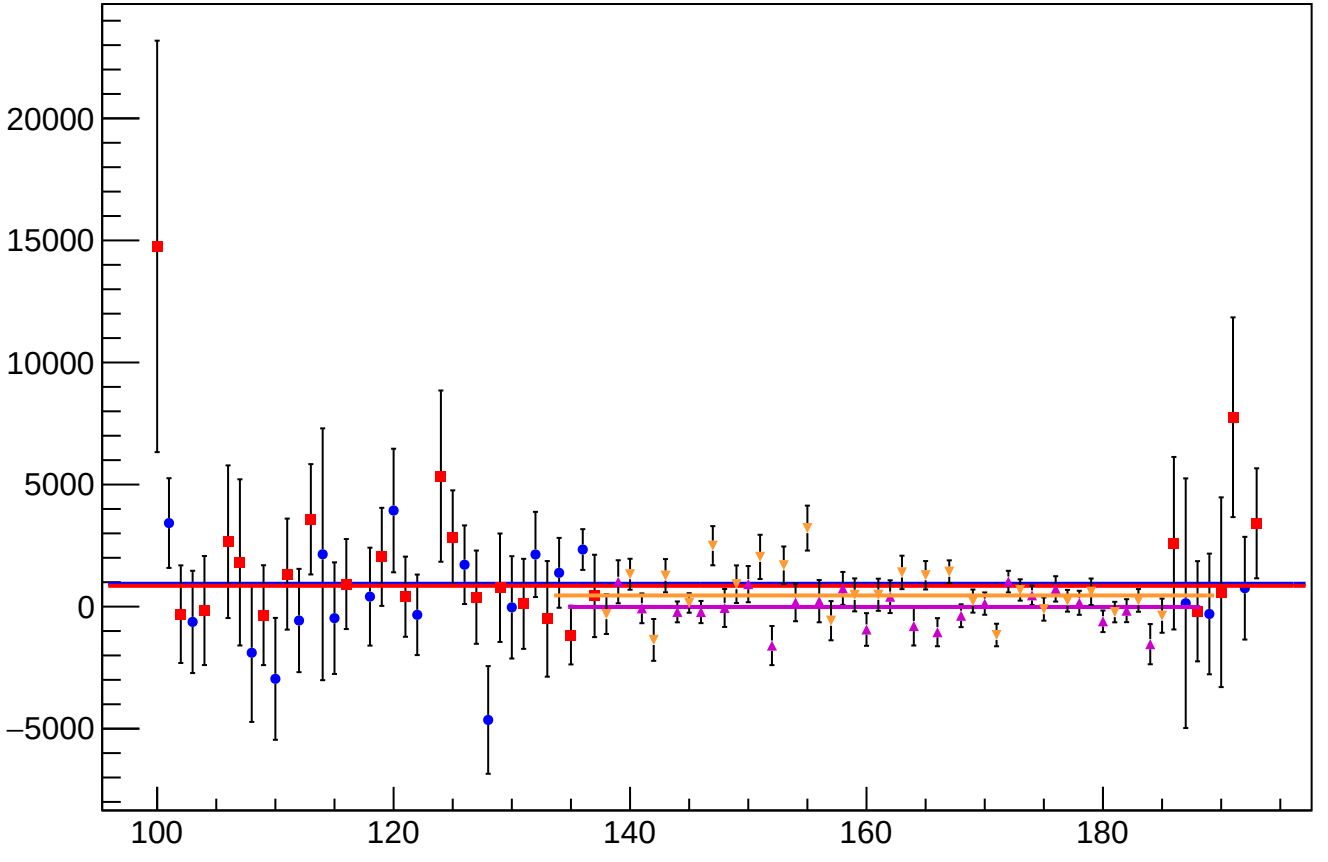
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 521.467+/-0.076 χ^2/NDF: 9720728.2/43

All: 524.071+/-0.055 χ^2/NDF: 20843481.2/90

- sign 526.790+/-0.078 χ^2/NDF: 11120380.5/46

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: 852.316+/-439.627 χ^2/NDF: 16.7/23

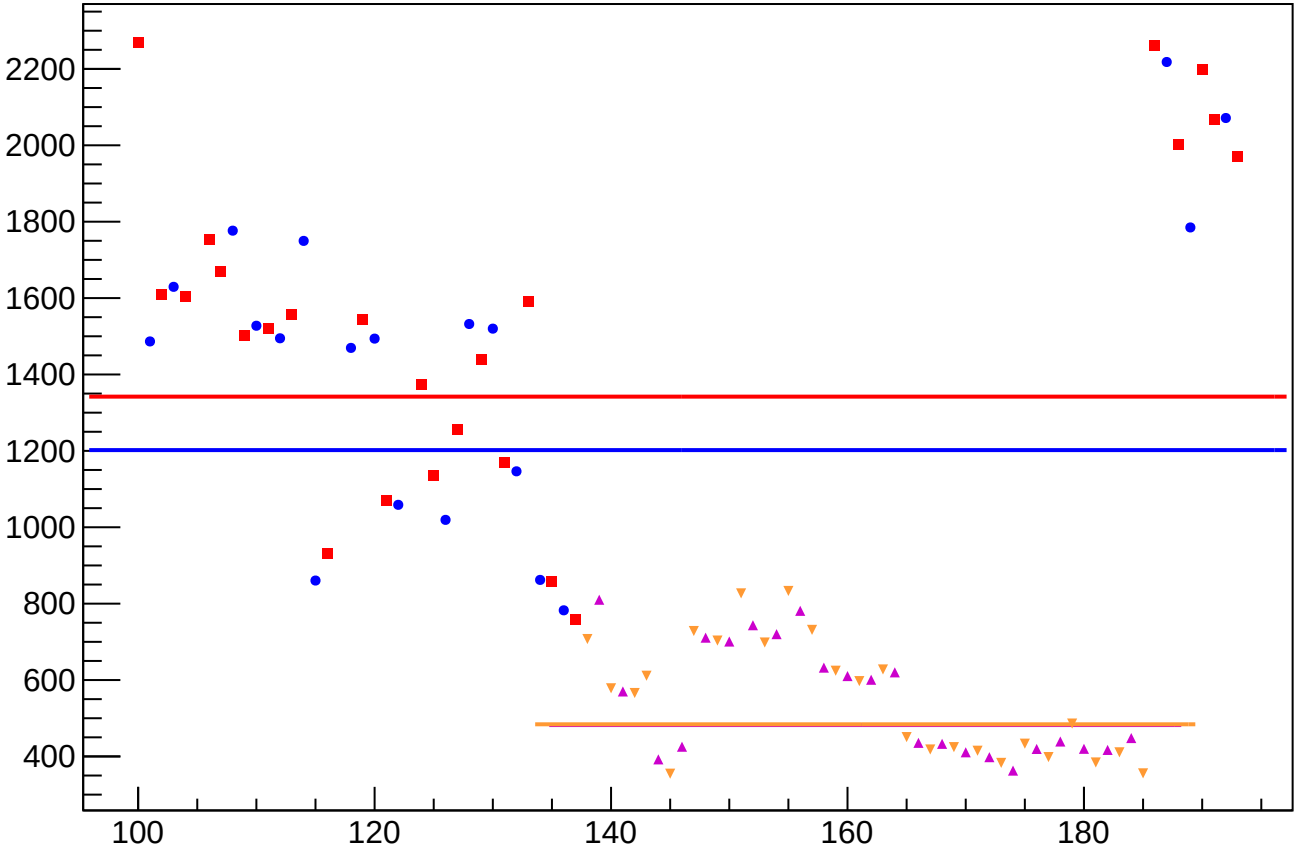
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 489.556+/-110.427 χ^2/NDF: 79.9/43

All: 270.529+/-78.907 χ^2/NDF: 138.6/90

- sign 42.010+/-112.794 χ^2/NDF: 50.6/46

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

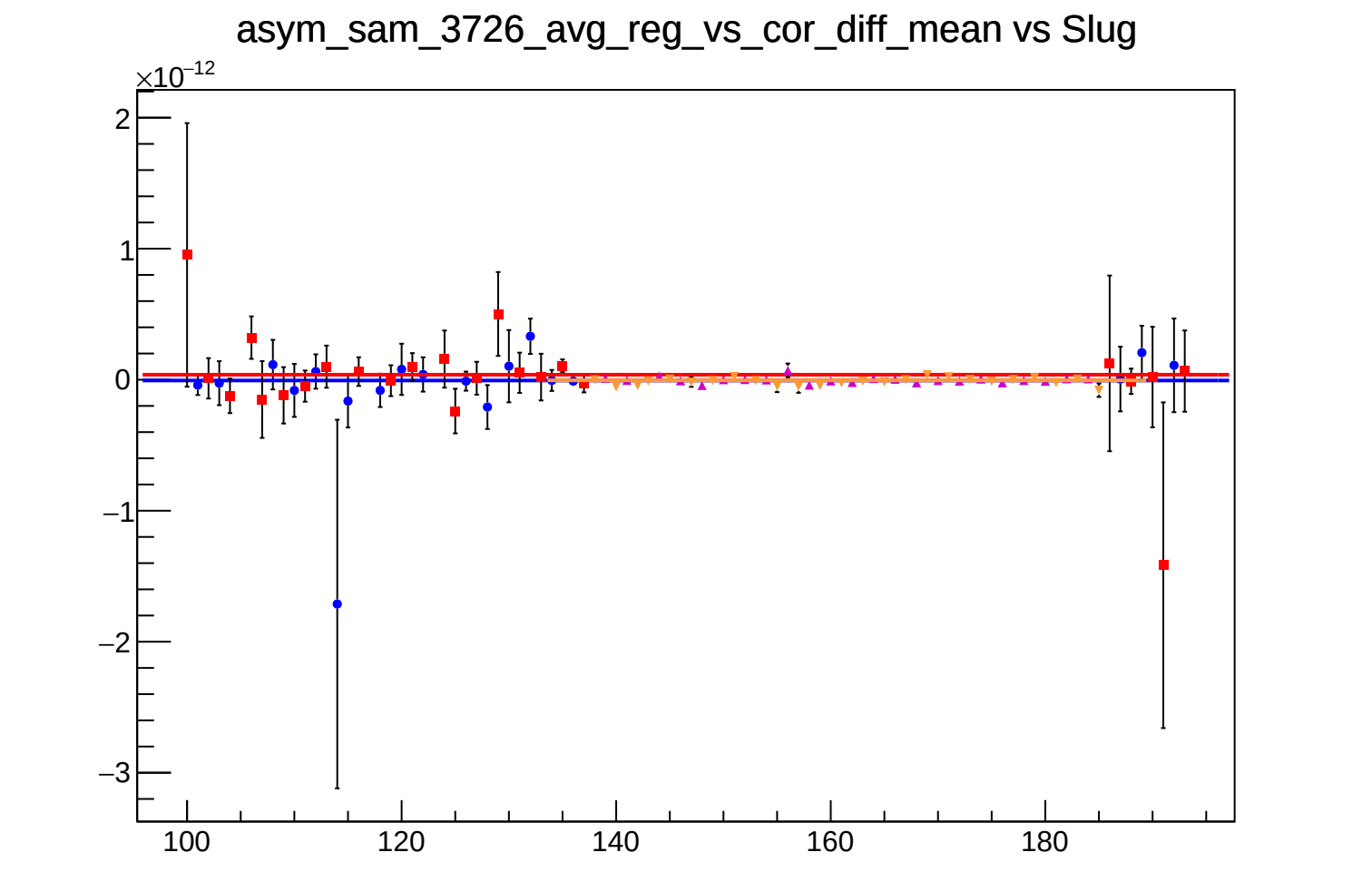
Right Out: 1341.996+/-0.311 χ^2/NDF: 1649942.0/23

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 532.554+/-0.078 χ^2/NDF: 9564091.5/43

All: 535.592+/-0.056 χ^2/NDF: 20550748.7/90

- sign 538.760+/-0.080 χ^2/NDF: 10983565.7/46



Right In: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

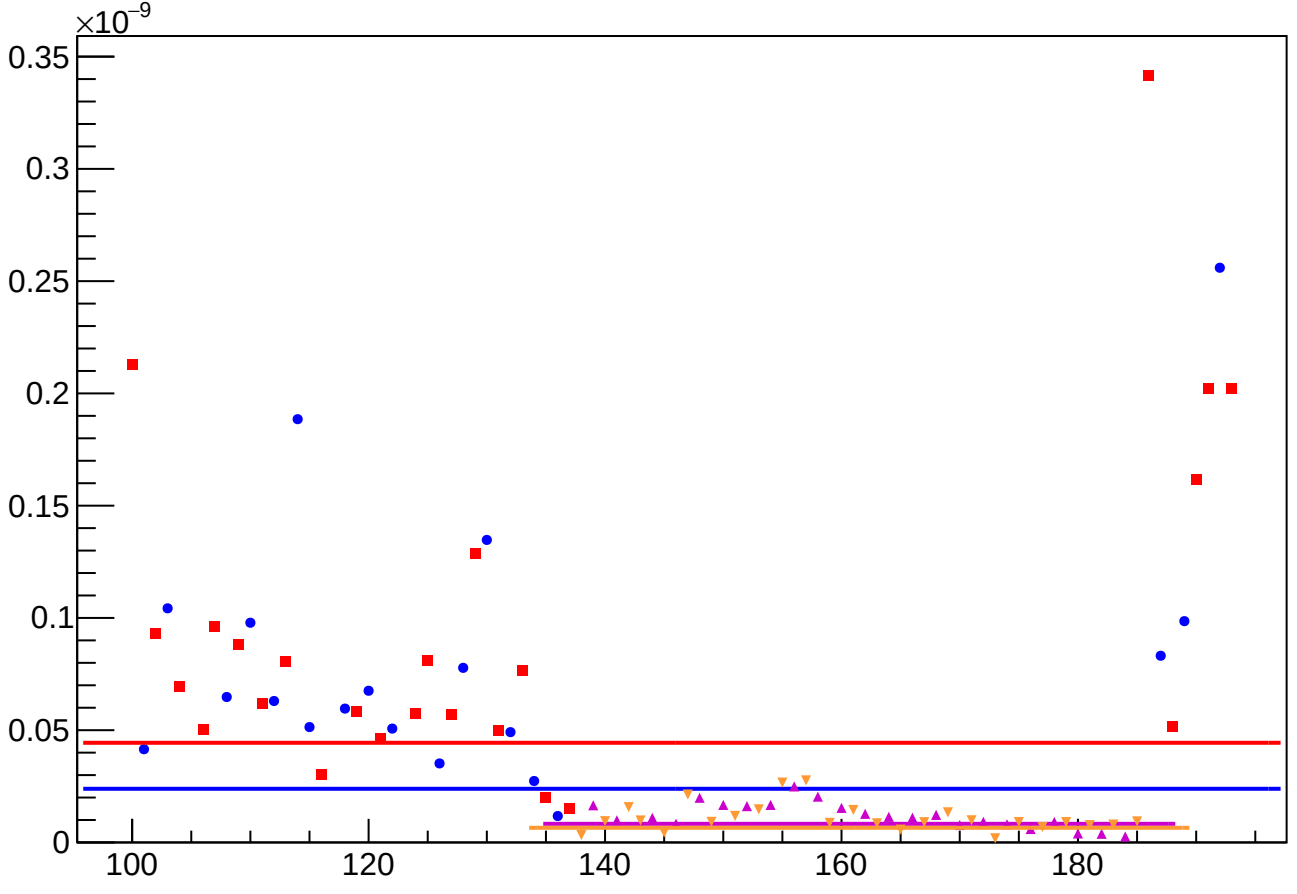
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/23

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: 78.9/90

- sign -0.000+/-0.000 χ^2/NDF: 34.9/46



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: 3013337.7/23

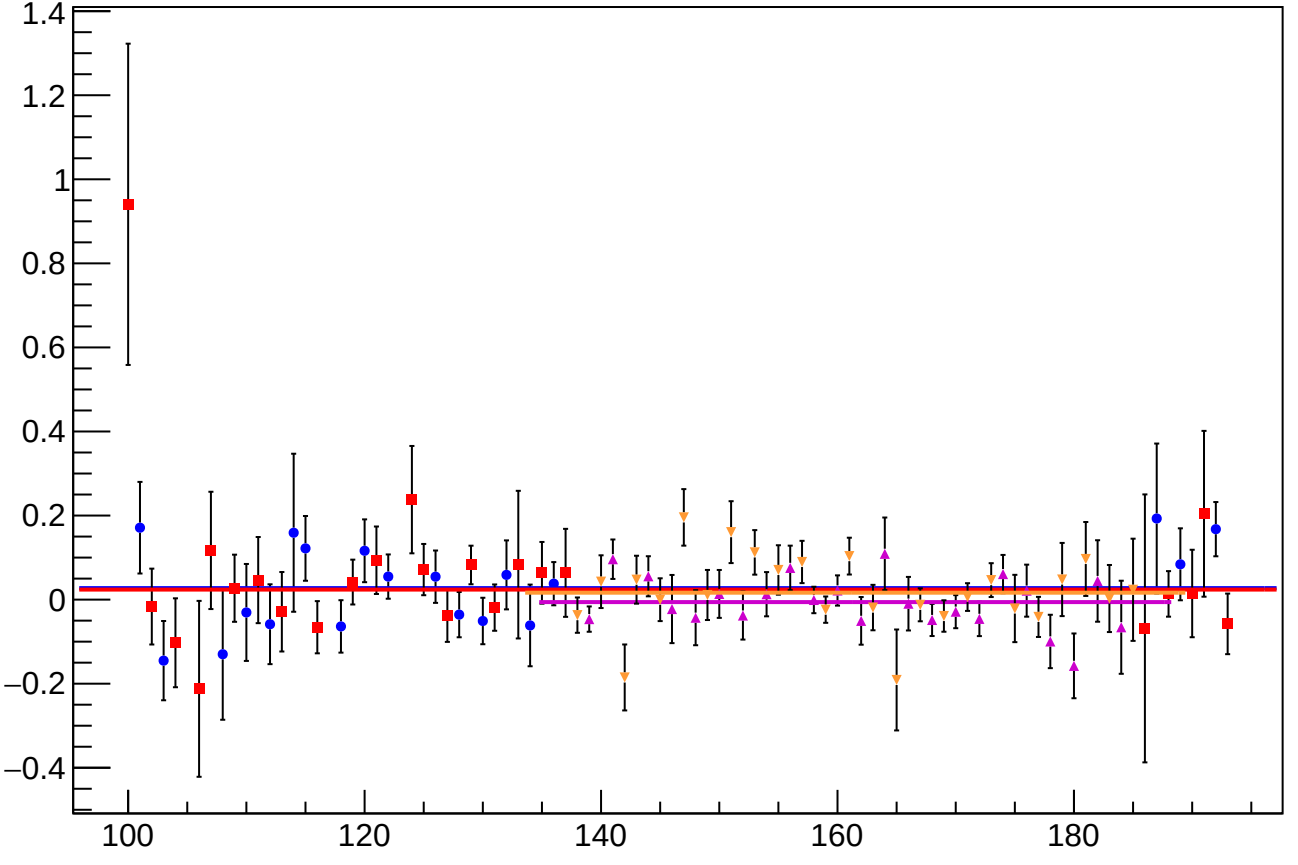
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9792515.2/43

All: 0.000+/-0.000 χ^2/NDF: 19735166.2/90

- sign 0.000+/-0.000 χ^2/NDF: 9618726.9/46

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: 0.024+/-0.016 χ^2/NDF: 21.9/23

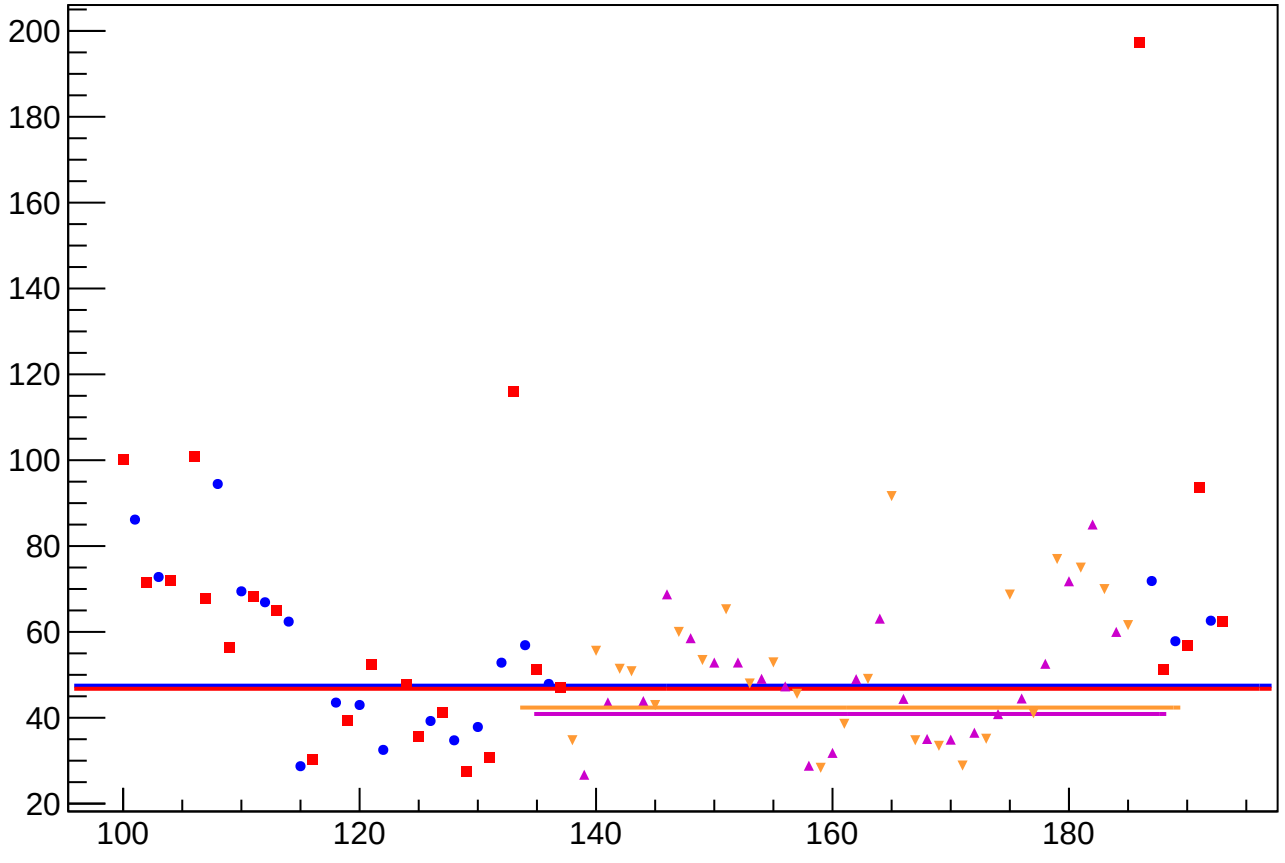
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.0/43

All: 0.011+/-0.006 χ^2/NDF: 117.0/90

- sign 0.003+/-0.009 χ^2/NDF: 50.2/46

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

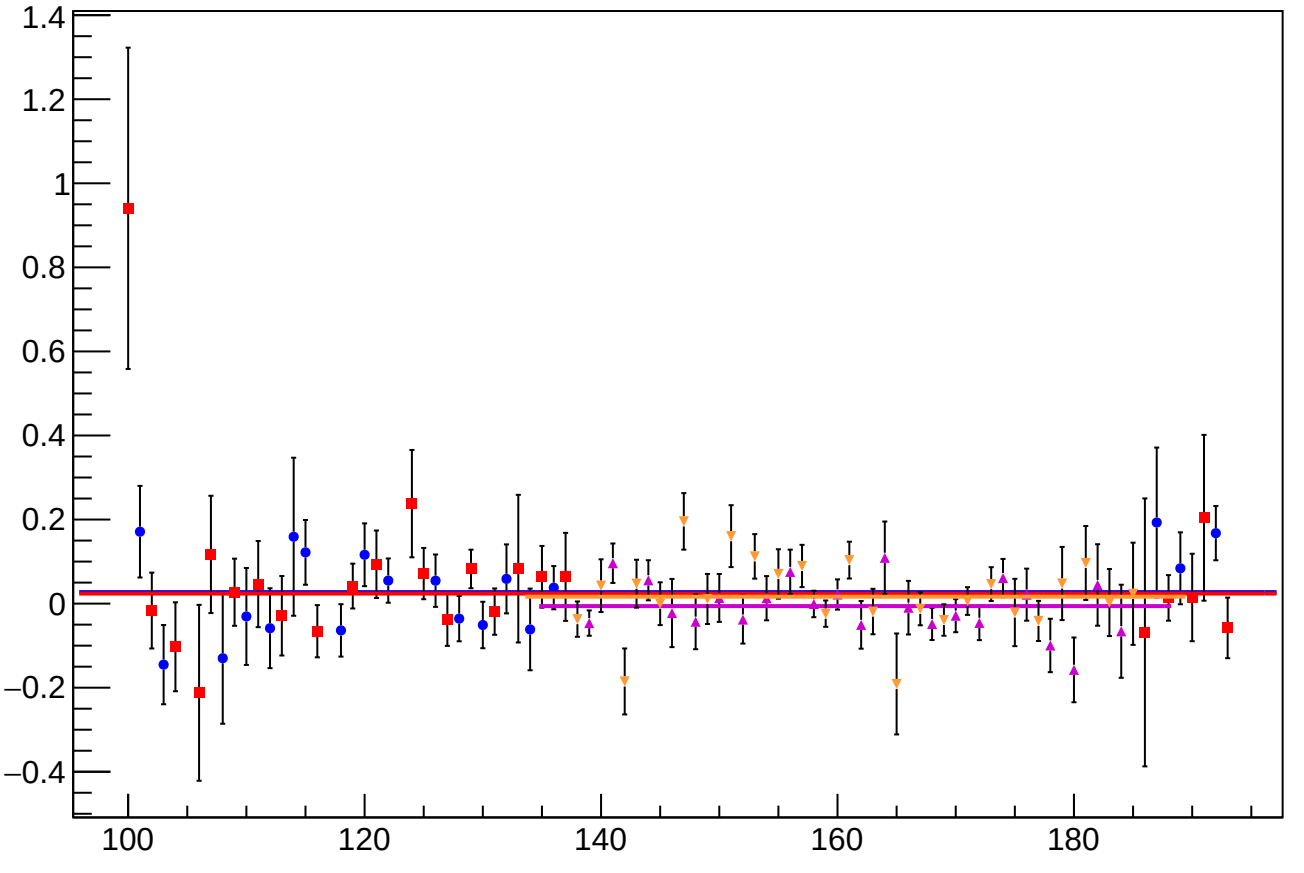
Right Out: 46.754+/-0.011 χ^2/NDF: 2472679.3/23

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.733+/-0.006 χ^2/NDF: 4773804.7/43

All: 43.135+/-0.004 χ^2/NDF: 10129268.6/90

- sign 42.560+/-0.006 χ^2/NDF: 5337603.8/46



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: 0.024+/-0.016 χ^2/NDF: 21.9/23

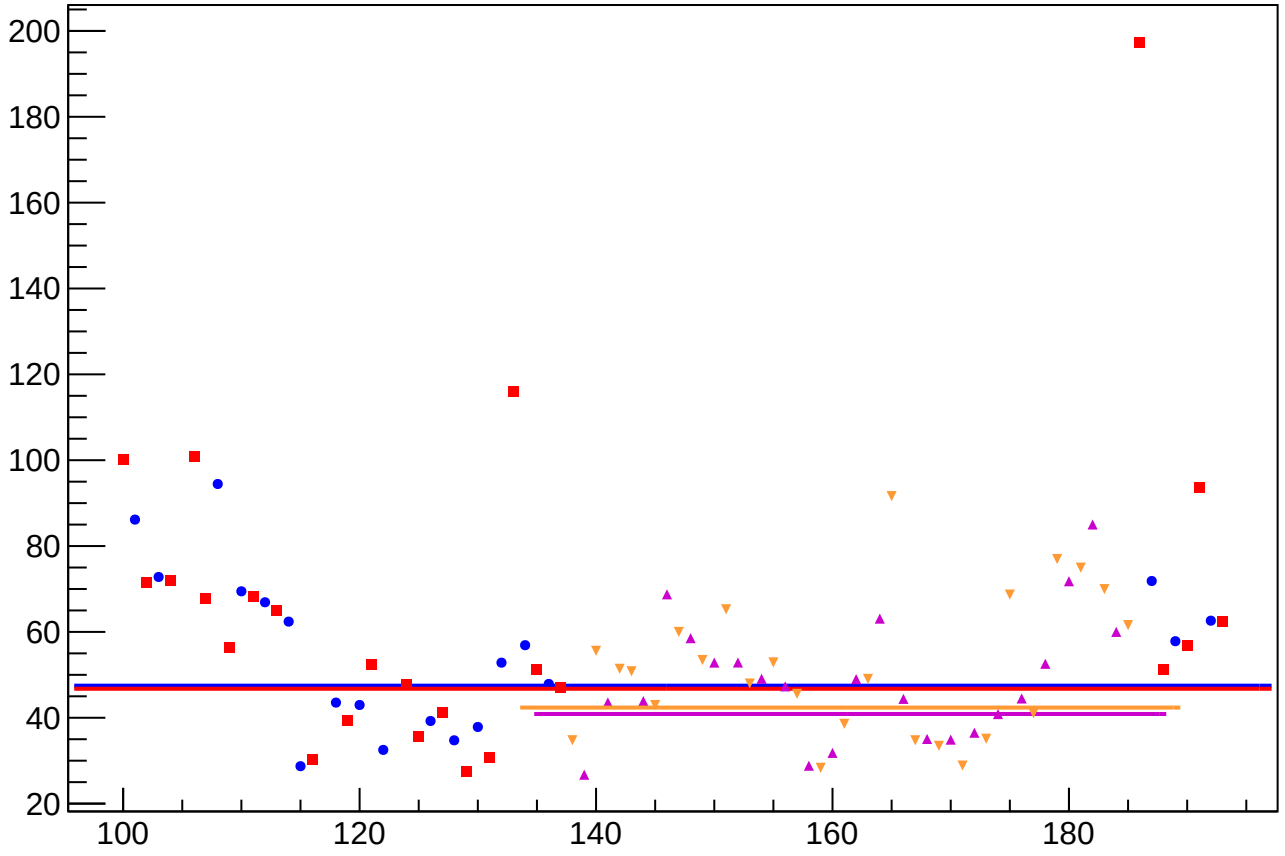
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.0/43

All: 0.011+/-0.006 χ^2/NDF: 117.0/90

- sign 0.003+/-0.009 χ^2/NDF: 50.2/46

asym_sam_3726_avg_dit_vs_eigen_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

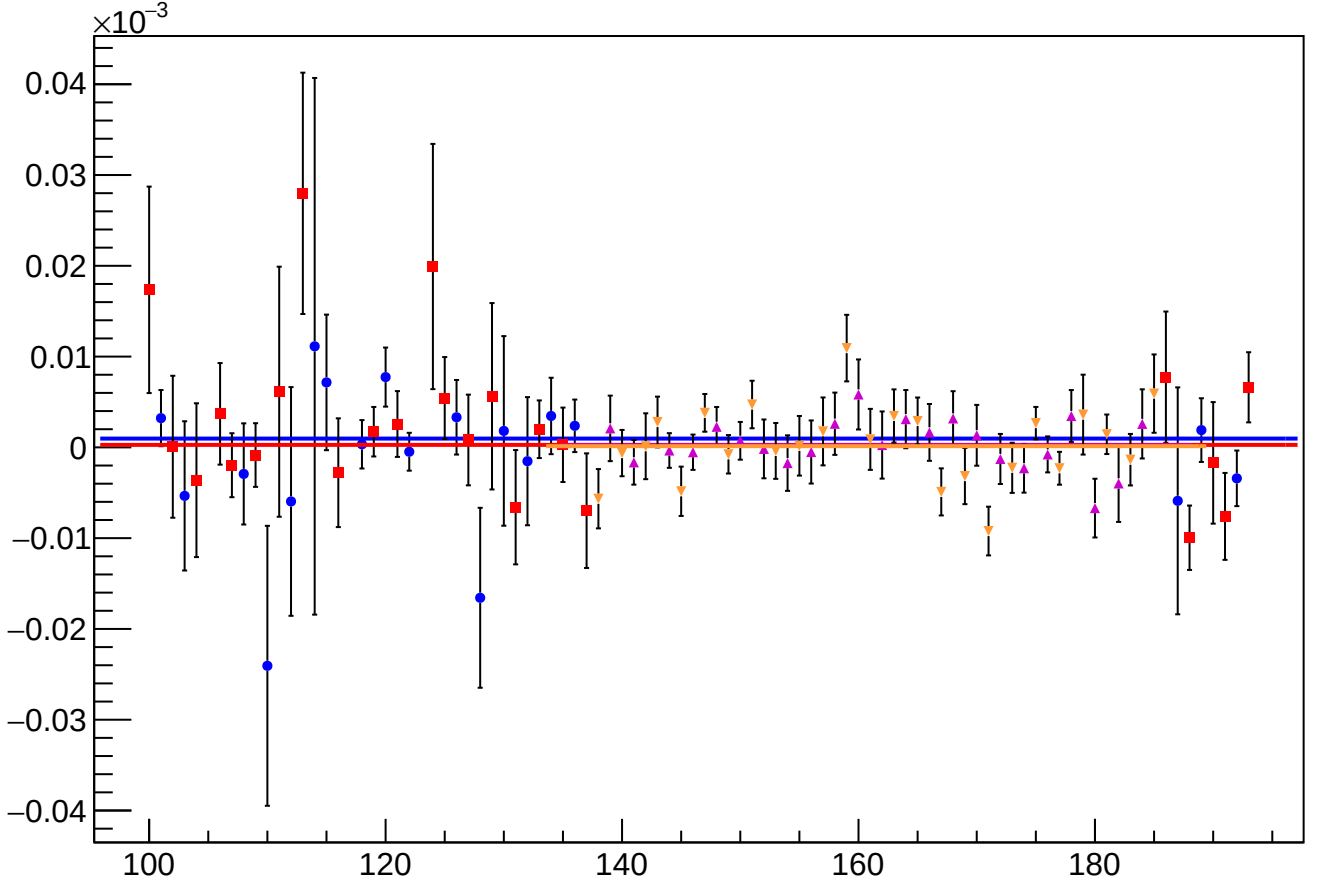
Right Out: 46.754+/-0.011 χ^2/NDF: 2472679.3/23

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.733+/-0.006 χ^2/NDF: 4773804.7/43

All: 43.135+/-0.004 χ^2/NDF: 10129268.6/90

- sign 42.560+/-0.006 χ^2/NDF: 5337603.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

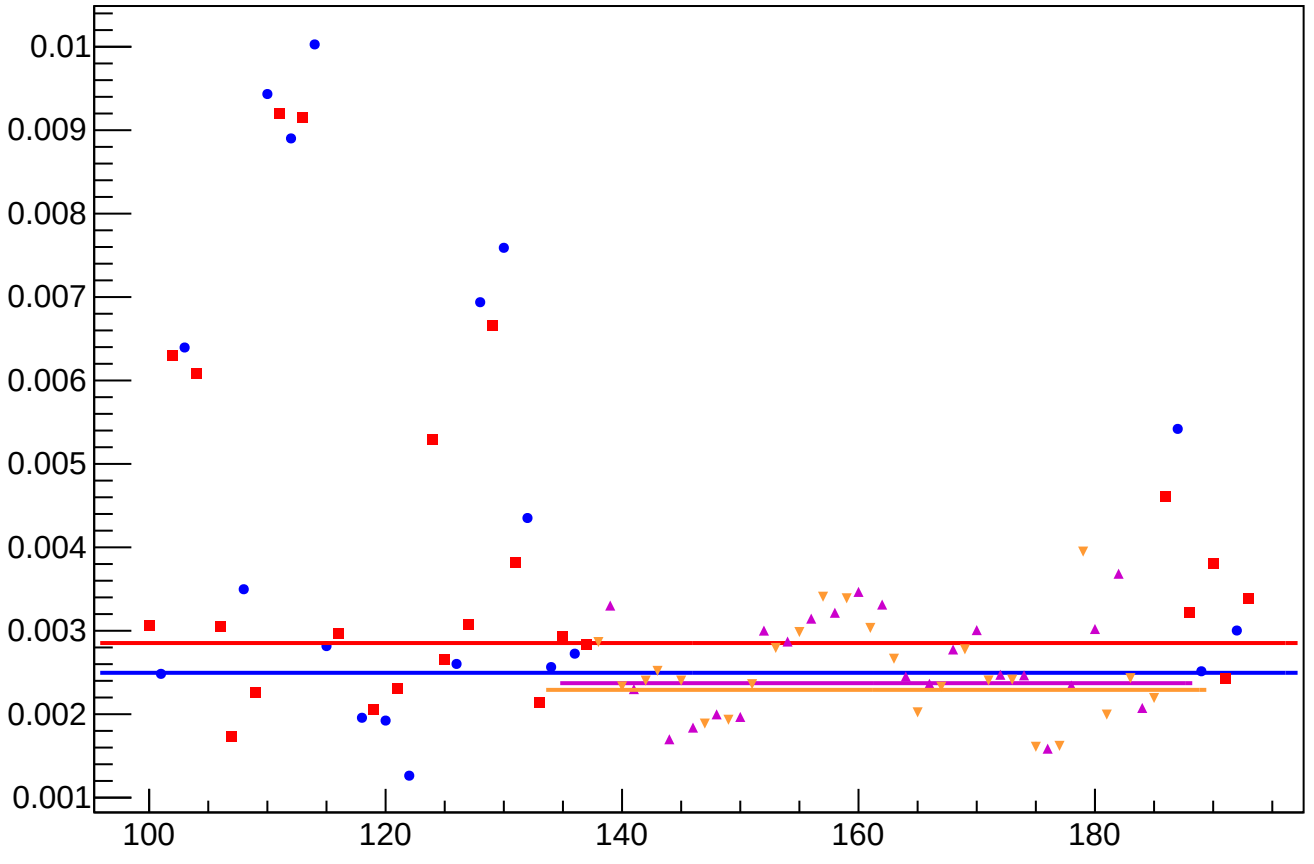
Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/23

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: 113.4/90

- sign 0.000+/-0.000 χ^2/NDF: 46.0/46



Right In: 0.002+/-0.000 χ^2/NDF: 3608413.9/18

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 2763908.0/23

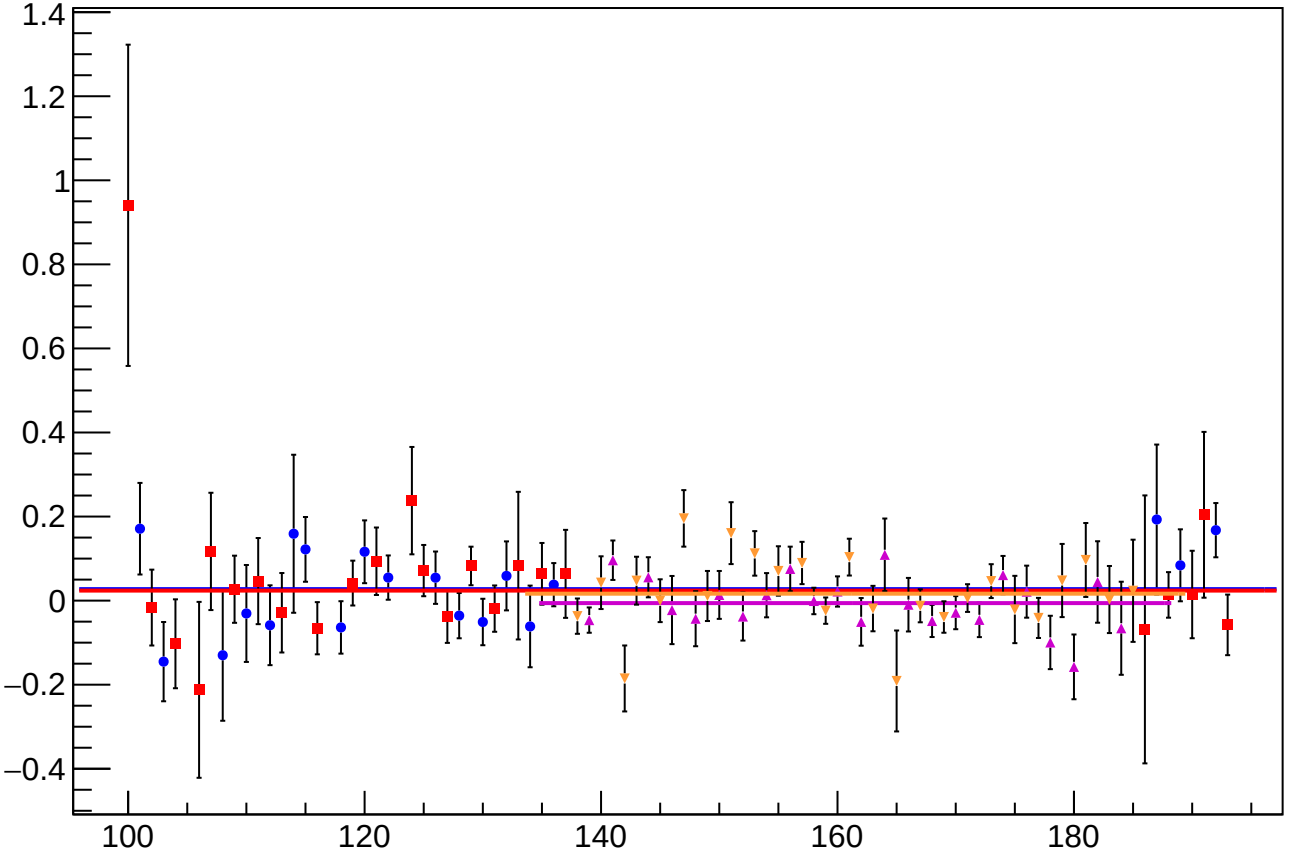
Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5497902.6/43

All: 0.002+/-0.000 χ^2/NDF: 10736370.6/90

- sign 0.002+/-0.000 χ^2/NDF: 5138018.6/46

asym_sam_3726_avg_eigen_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: 0.024+/-0.016 χ^2/NDF: 21.9/23

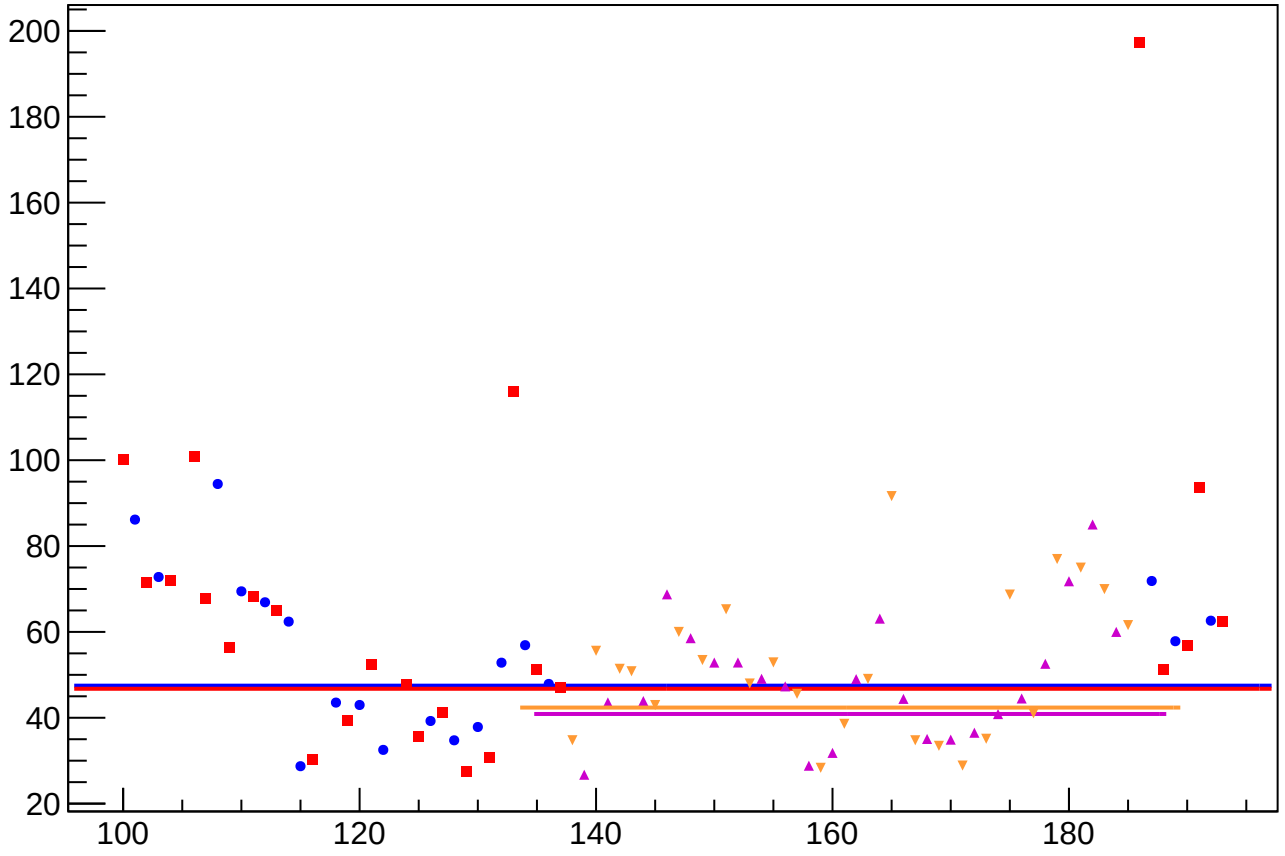
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.0/43

All: 0.011+/-0.006 χ^2/NDF: 117.0/90

- sign 0.003+/-0.009 χ^2/NDF: 50.2/46

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 47.476+/-0.012 χ^2/NDF: 1453381.0/18

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 46.754+/-0.011 χ^2/NDF: 2472581.9/23

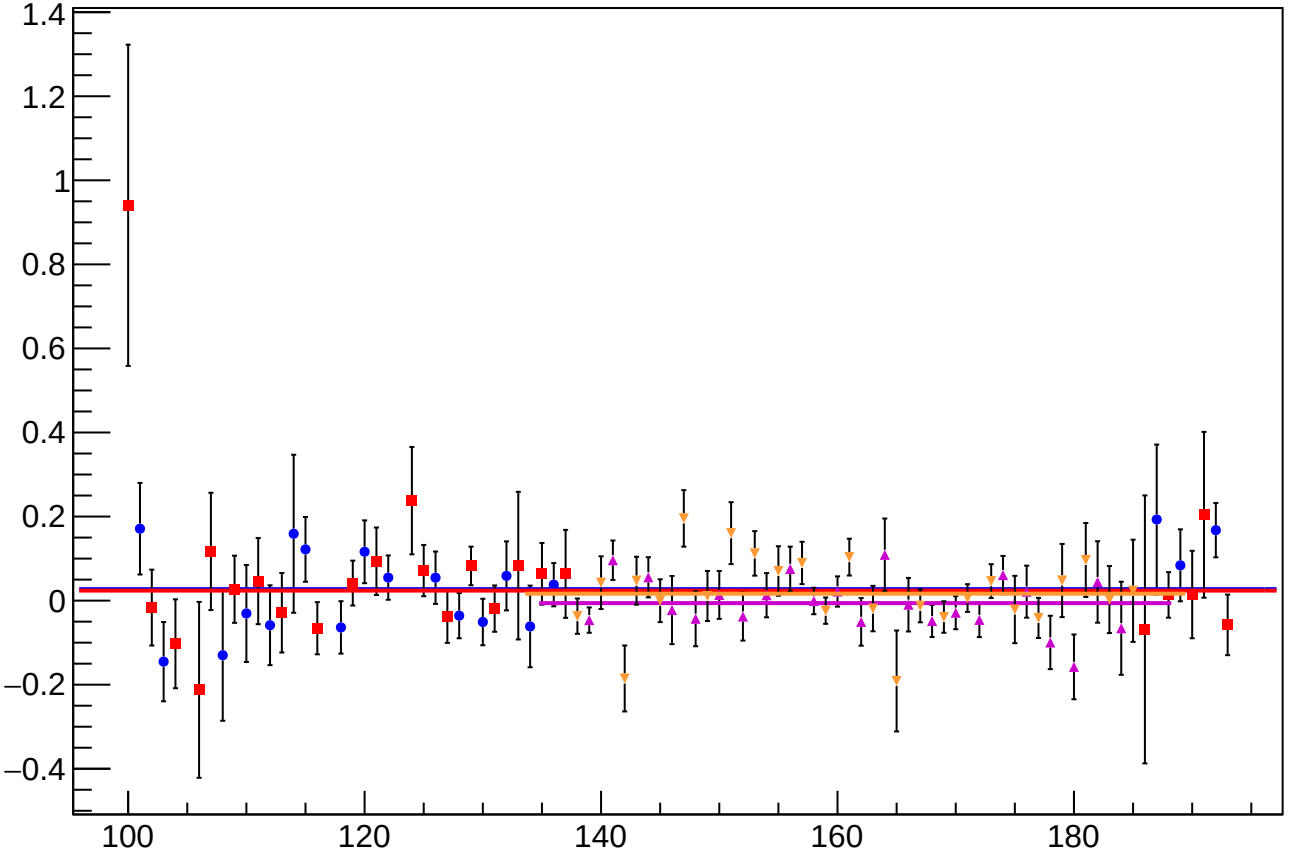
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.733+/-0.006 χ^2/NDF: 4773773.0/43

All: 43.135+/-0.004 χ^2/NDF: 10129151.7/90

- sign 42.560+/-0.006 χ^2/NDF: 5337522.7/46

asym_sam_3726_avg_eigen_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

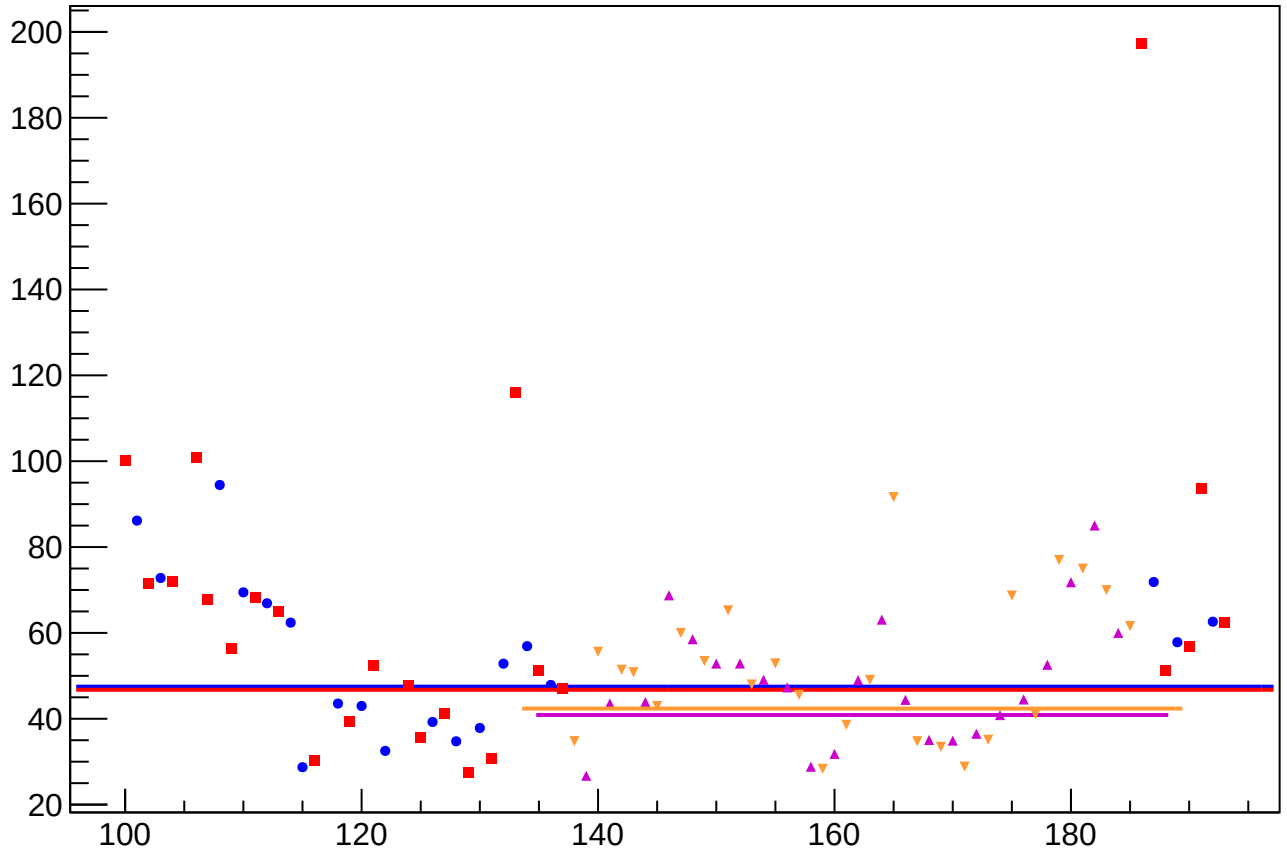
Right Out: 0.024+/-0.016 χ^2/NDF: 21.9/23

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: 117.0/90

- sign 0.003+/-0.009 χ^2/NDF: 50.2/46



Right In: 47.476+/-0.012 χ^2/NDF: 1453381.0/18

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

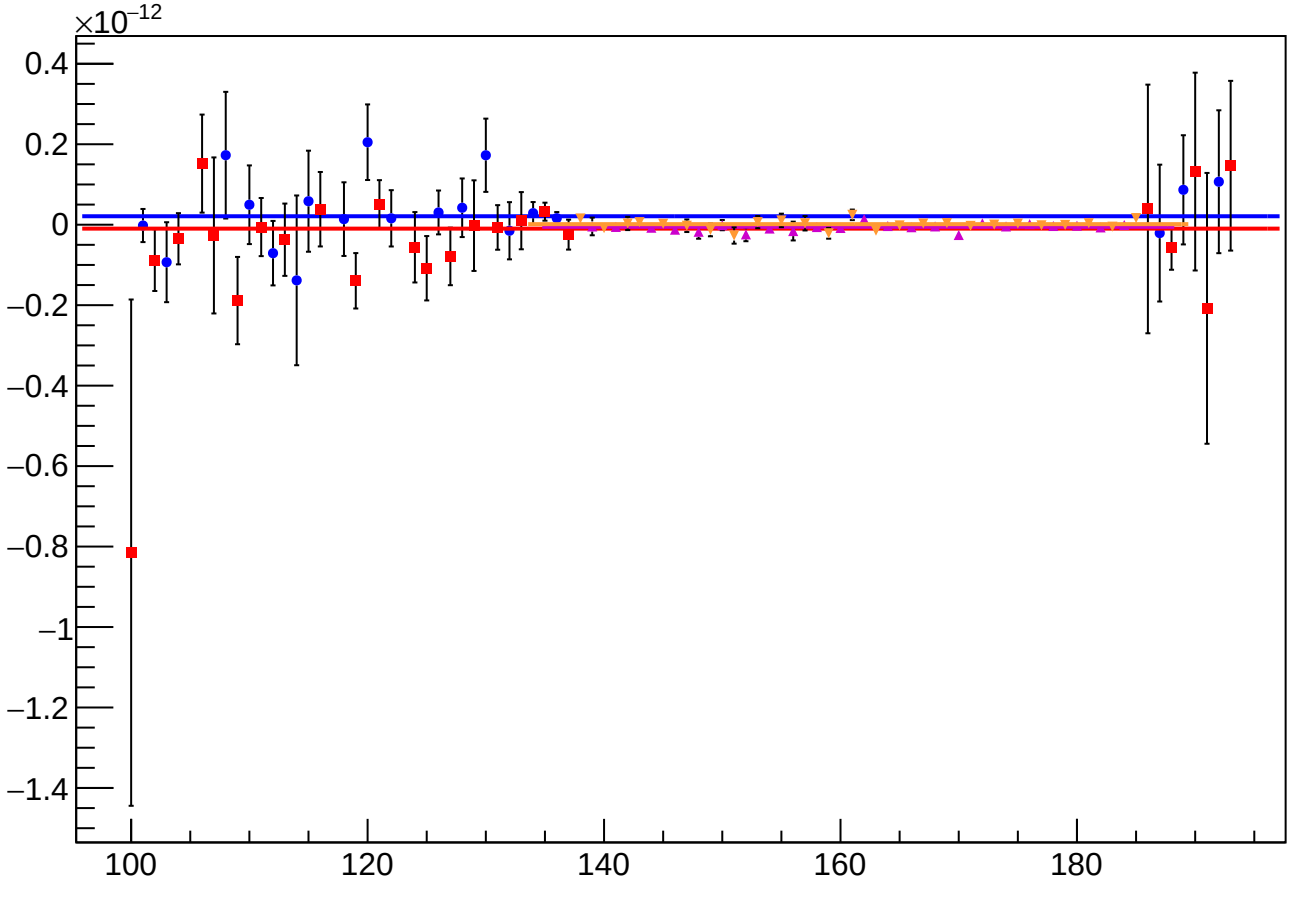
Right Out: 46.754+/-0.011 χ^2/NDF: 2472581.9/23

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.733+/-0.006 χ^2/NDF: 4773773.0/43

All: 43.135+/-0.004 χ^2/NDF: 10129151.7/90

- sign 42.560+/-0.006 χ^2/NDF: 5337522.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 12.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

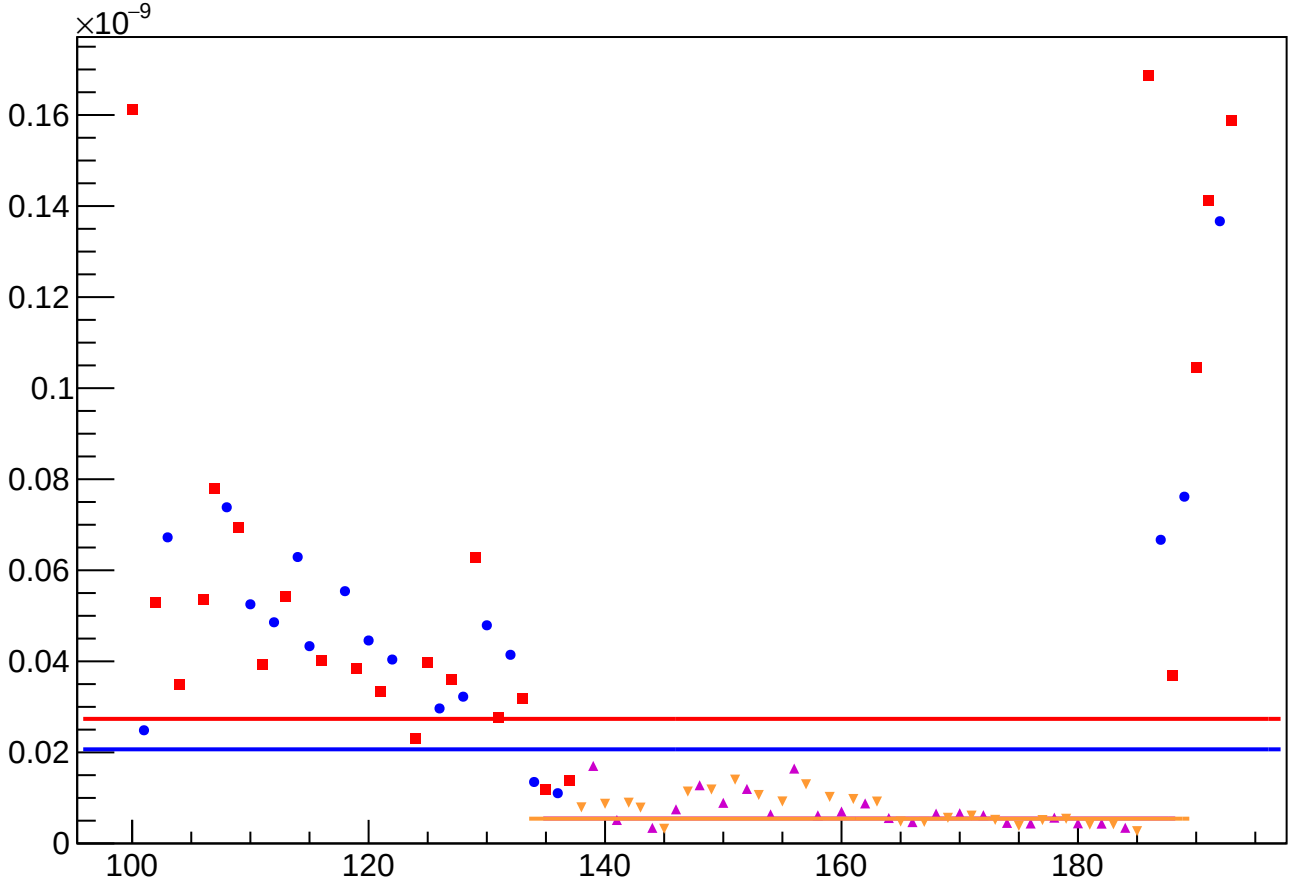
Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/23

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: 77.4/90

- sign -0.000+/-0.000 χ^2/NDF: 34.1/46



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: 4419152.6/23

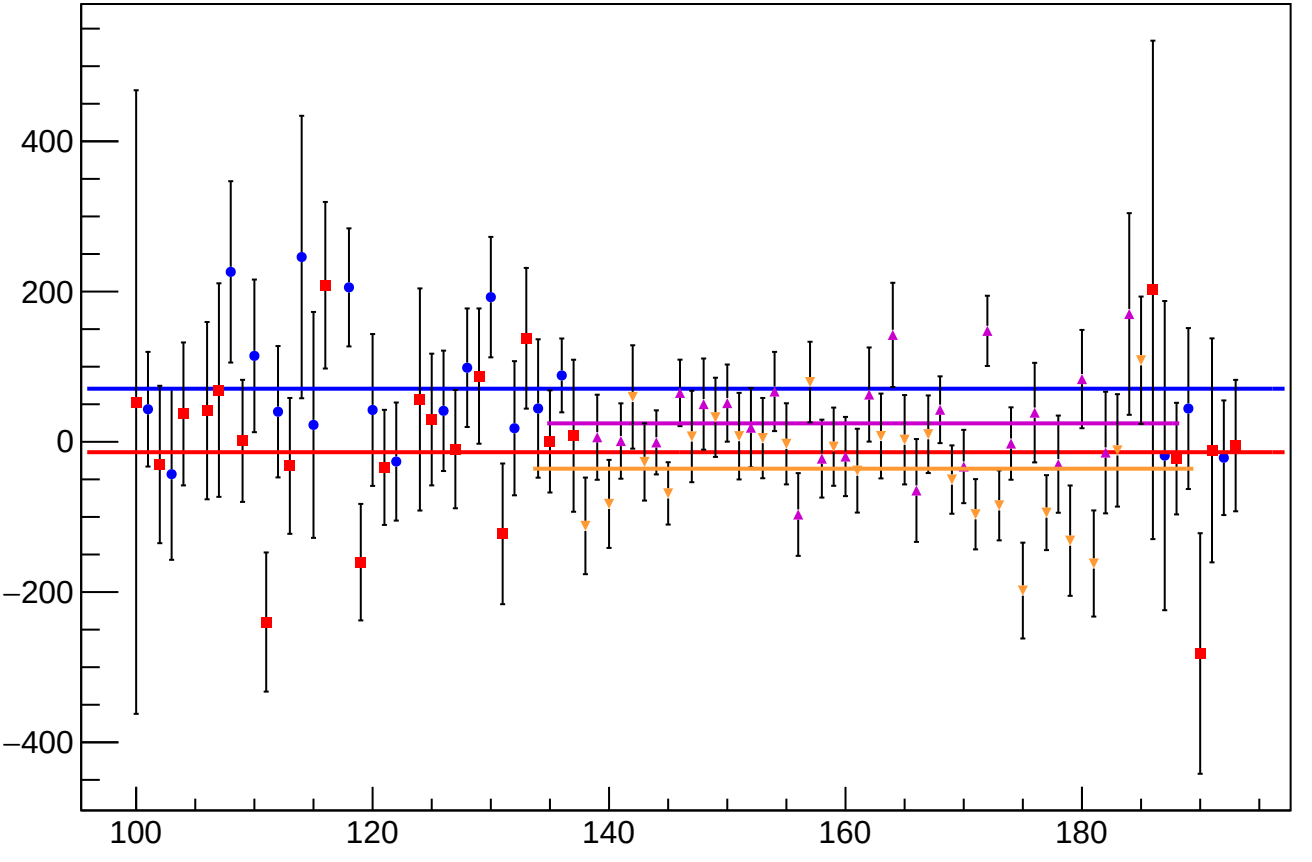
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 12059408.2/43

All: 0.000+/-0.000 χ^2/NDF: 24656632.2/90

- sign 0.000+/-0.000 χ^2/NDF: 12595843.7/46

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: -13.828+/-19.823 χ^2/NDF: 23.6/23

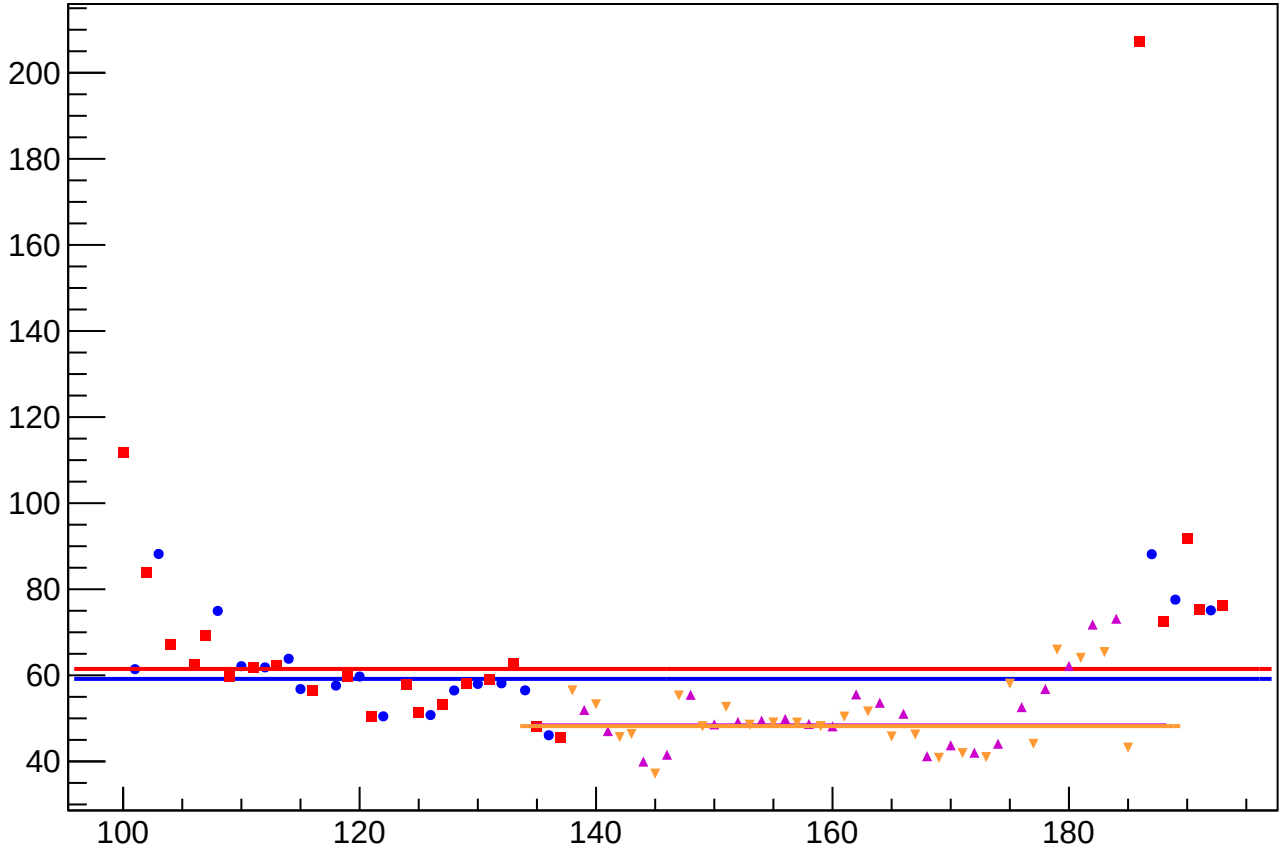
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -11.025+/-9.741 χ^2/NDF: 68.5/43

All: 1.709+/-6.953 χ^2/NDF: 124.1/90

- sign 14.939+/-9.928 χ^2/NDF: 52.2/46

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: 61.485+/-0.014 χ^2/NDF: 937861.5/23

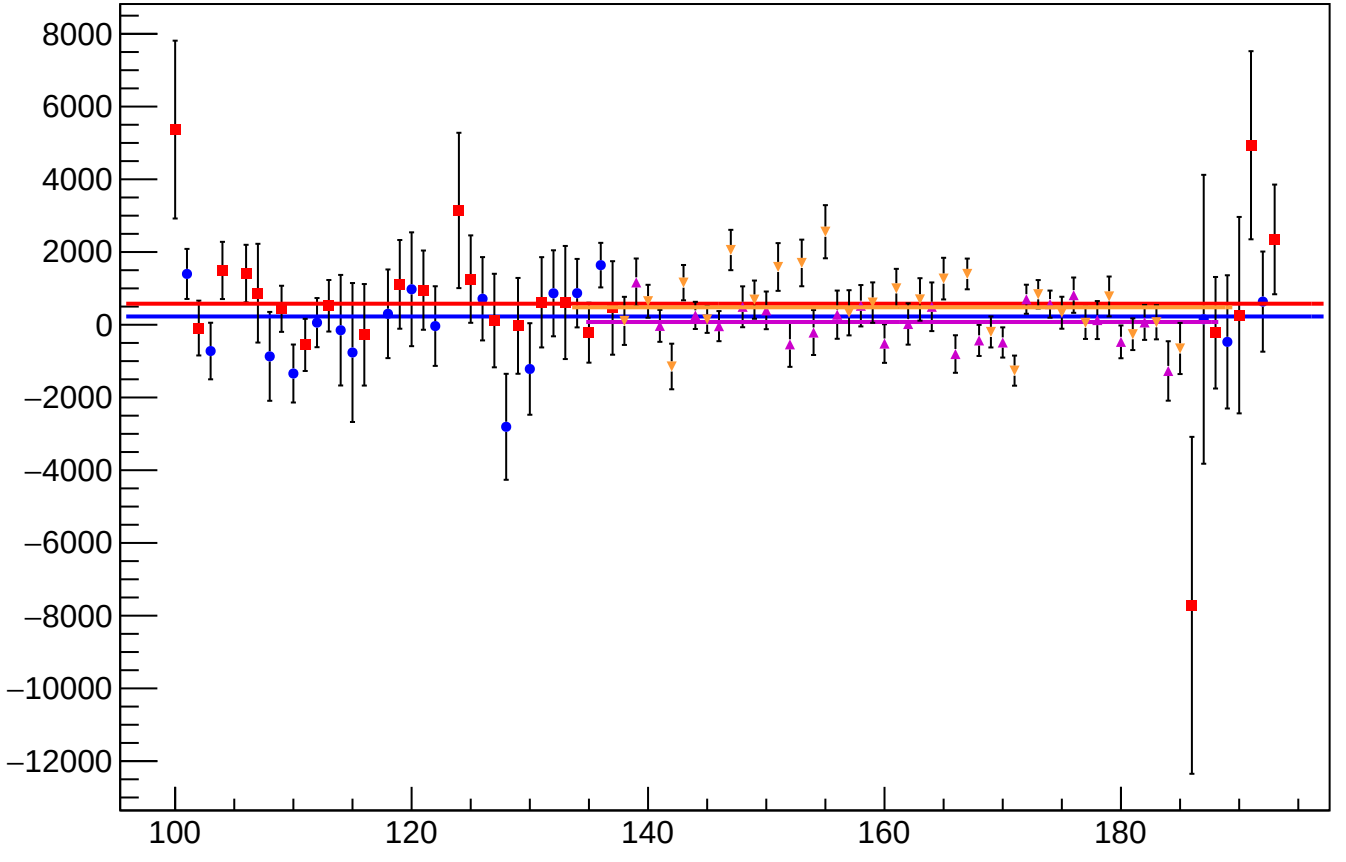
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.750+/-0.007 χ^2/NDF: 1783899.2/43

All: 51.200+/-0.005 χ^2/NDF: 4080648.3/90

- sign 51.668+/-0.007 χ^2/NDF: 2288039.4/46

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 227.650+/-235.220 χ^2/NDF: 21.9/18

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 578.824+/-220.524 χ^2/NDF: 21.1/23

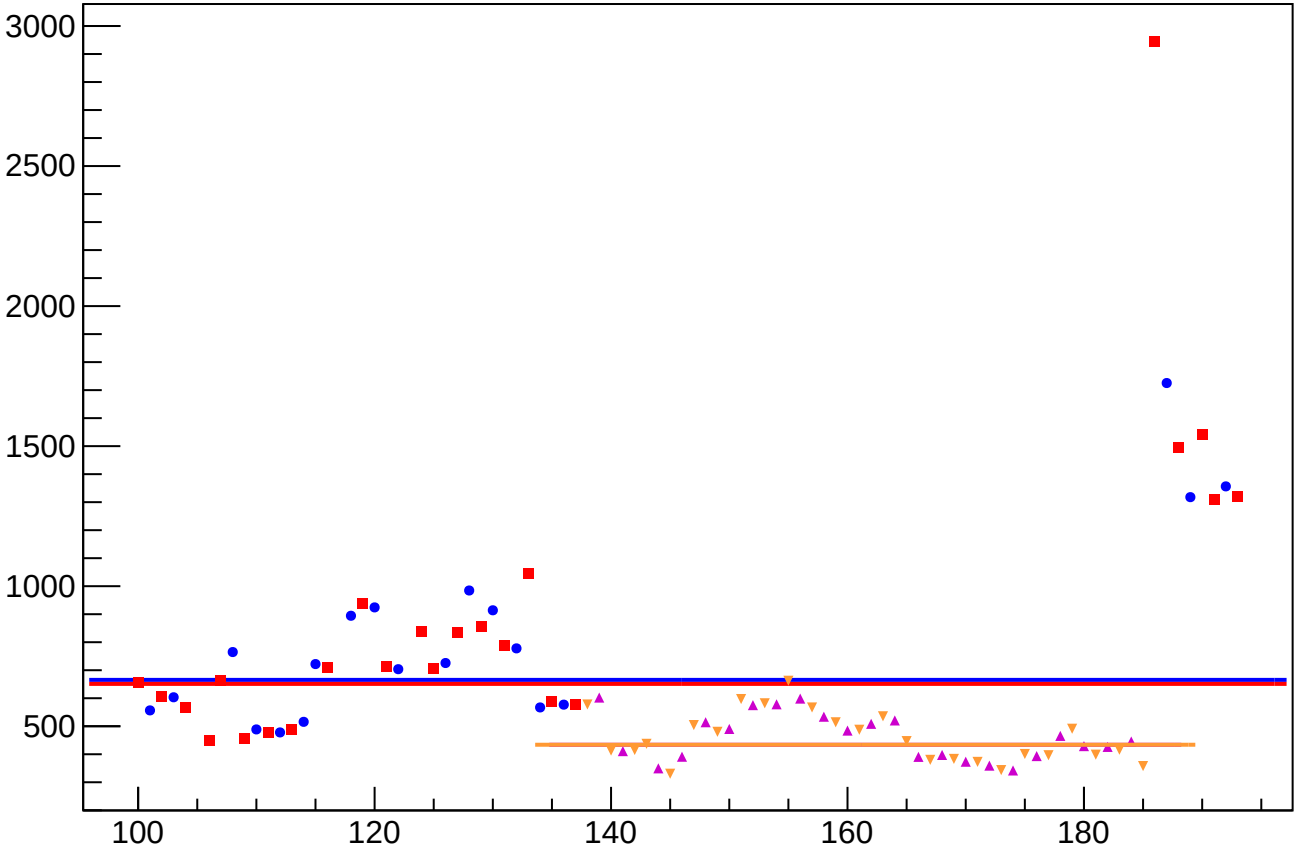
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 441.210+/-92.438 χ^2/NDF: 92.1/43

All: 305.034+/-65.707 χ^2/NDF: 146.3/90

- sign 165.955+/-93.418 χ^2/NDF: 49.8/46

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: 651.181+/-0.156 χ^2/NDF: 2808199.6/23

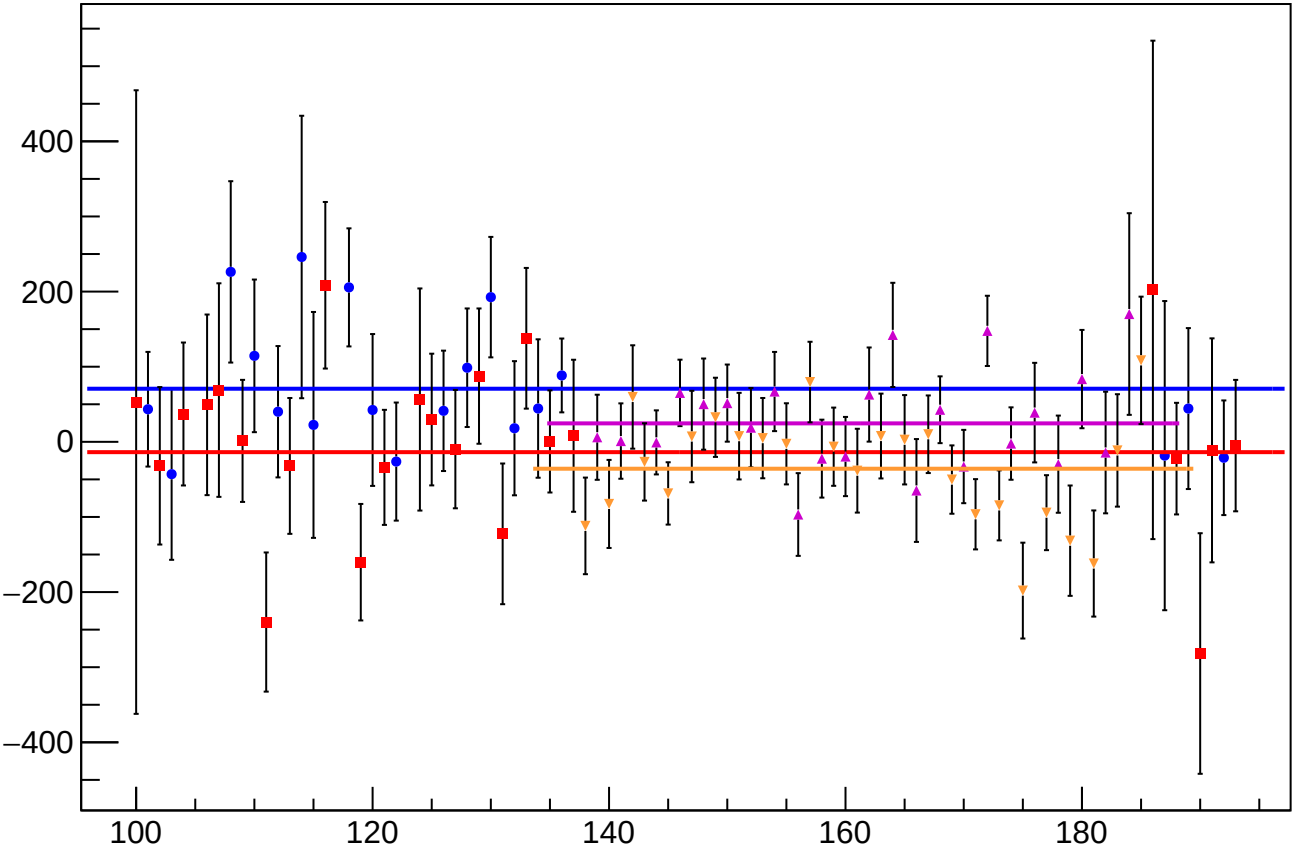
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 469.708+/-0.065 χ^2/NDF: 4520369.4/43

All: 471.210+/-0.046 χ^2/NDF: 10020217.8/90

- sign 472.745+/-0.066 χ^2/NDF: 5498780.2/46

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: -13.739+/-19.833 χ^2/NDF: 23.7/23

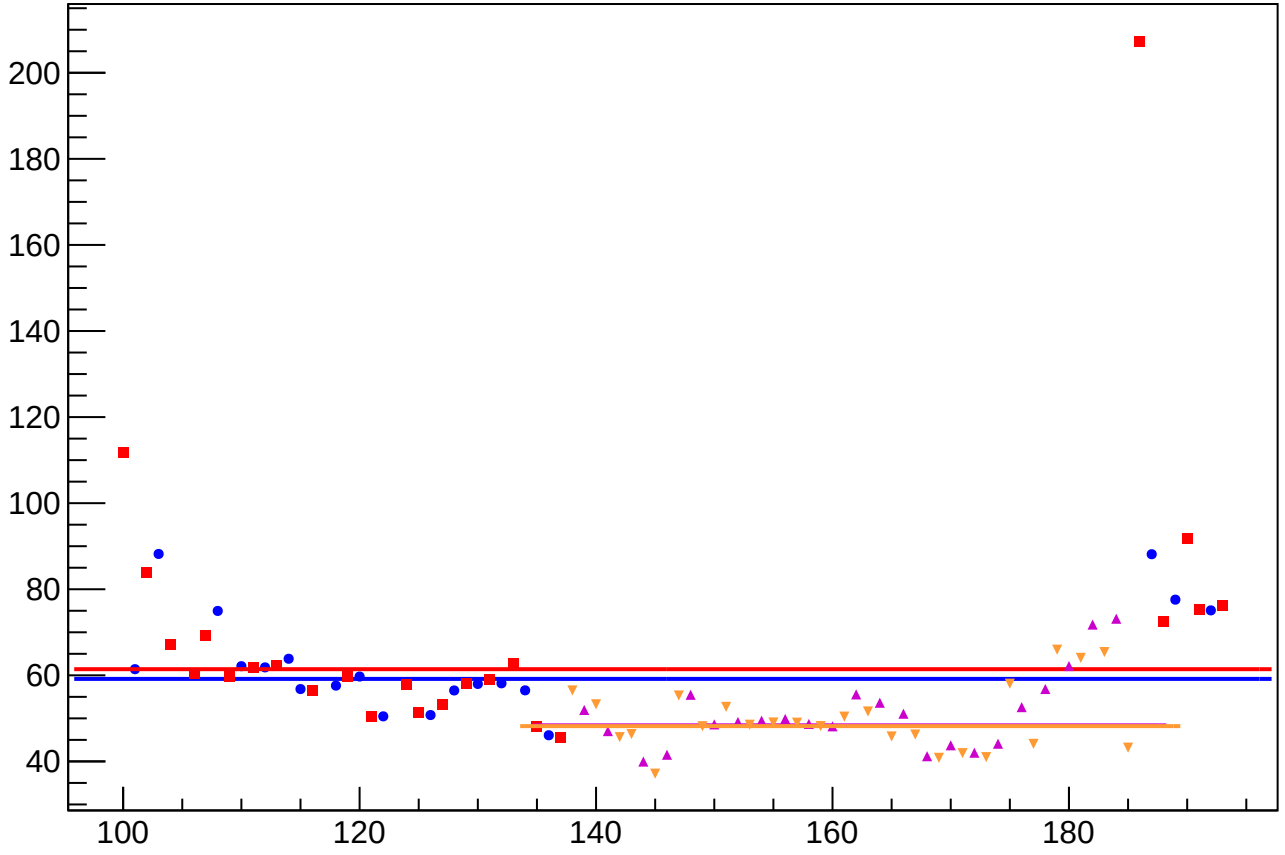
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -11.028+/-9.741 χ^2/NDF: 68.5/43

All: 1.721+/-6.954 χ^2/NDF: 124.2/90

- sign 14.969+/-9.930 χ^2/NDF: 52.2/46

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

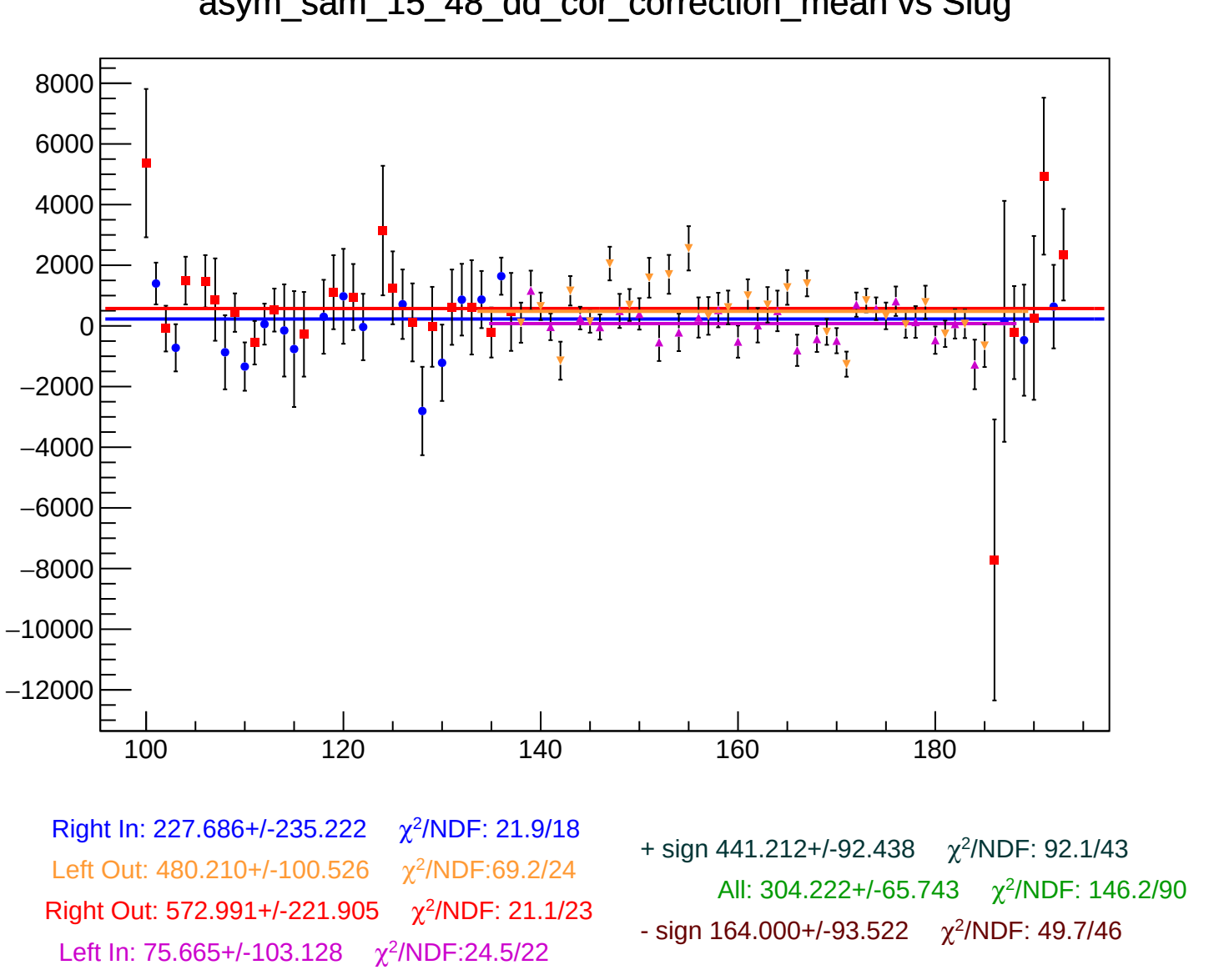
Right Out: 61.429+/-0.014 χ^2/NDF: 938083.4/23

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

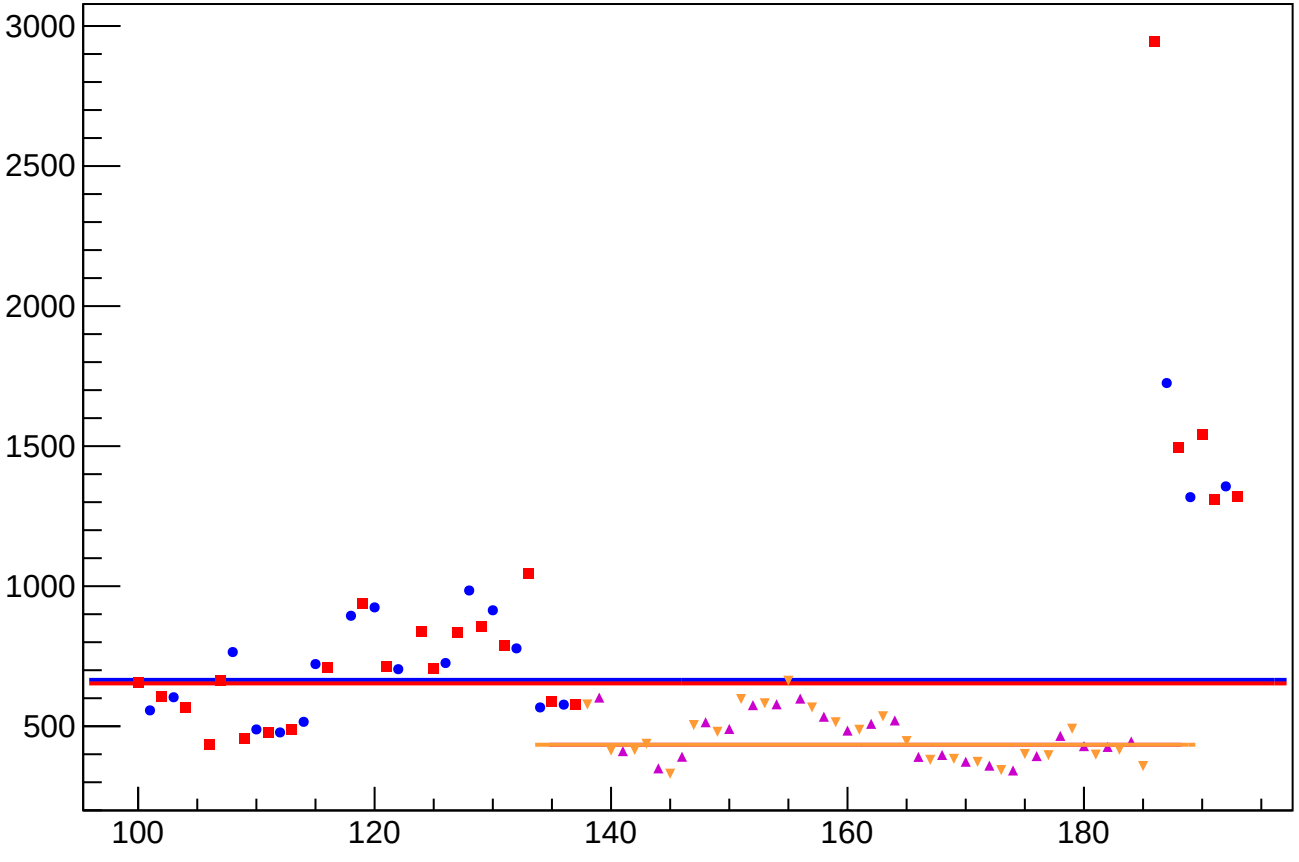
+ sign 50.750+/-0.007 χ^2/NDF: 1783903.2/43

All: 51.192+/-0.005 χ^2/NDF: 4074466.2/90

- sign 51.651+/-0.007 χ^2/NDF: 2282167.1/46


asym_sam_15_48_dd_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
Right In: 227.686+/-235.222 χ²/NDF: 21.9/18
Left Out: 480.210+/-100.526 χ²/NDF:69.2/24
Right Out: 572.991+/-221.905 χ²/NDF: 21.1/23
Left In: 75.665+/-103.128 χ²/NDF:24.5/22
+ sign 441.212+/-92.438 χ²/NDF: 92.1/43
All: 304.222+/-65.743 χ²/NDF: 146.2/90
- sign 164.000+/-93.522 χ²/NDF: 49.7/46

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: 652.877+/-0.157 χ^2/NDF: 2801894.1/23

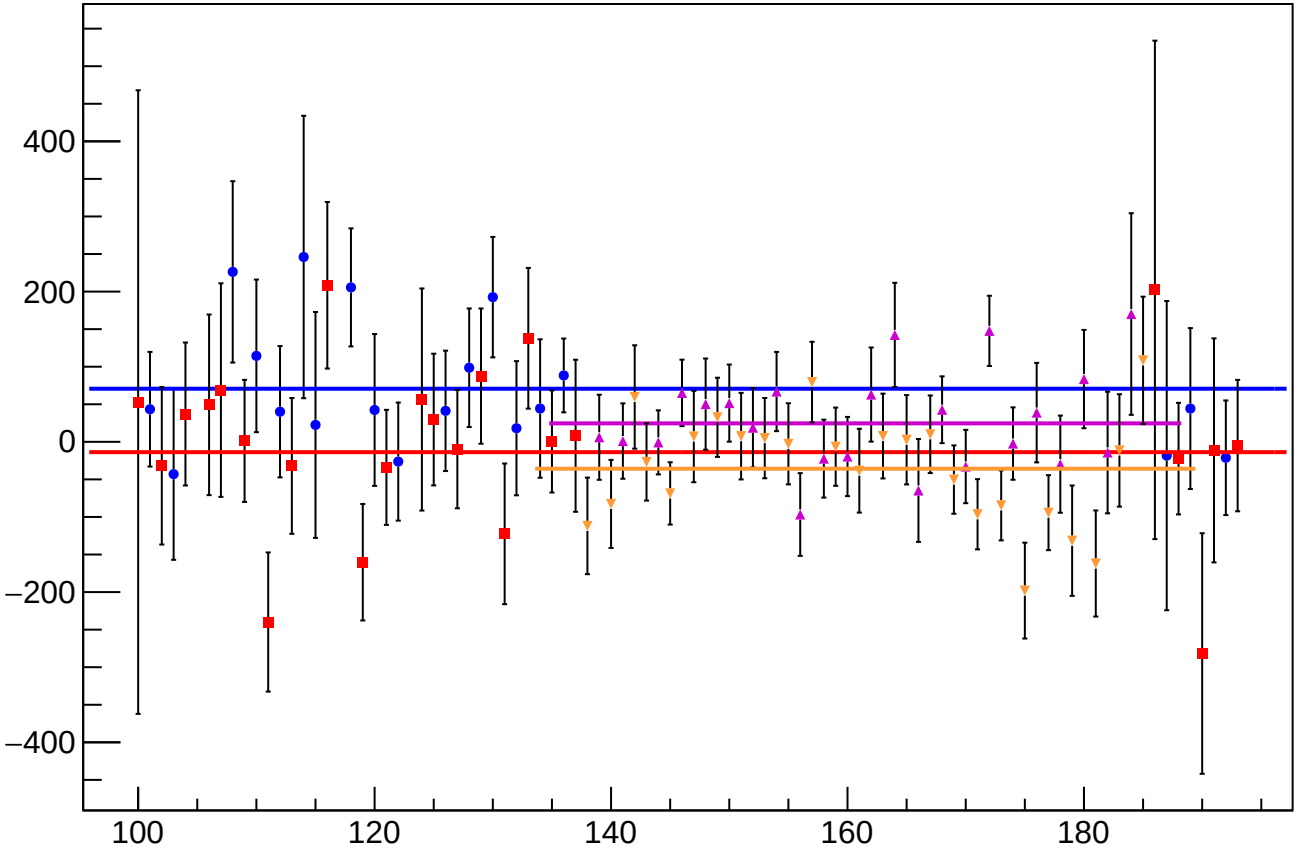
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 469.708+/-0.065 χ^2/NDF: 4520398.6/43

All: 471.161+/-0.046 χ^2/NDF: 10022330.8/90

- sign 472.648+/-0.066 χ^2/NDF: 5500932.3/46

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: -13.739+/-19.833 χ^2/NDF: 23.7/23

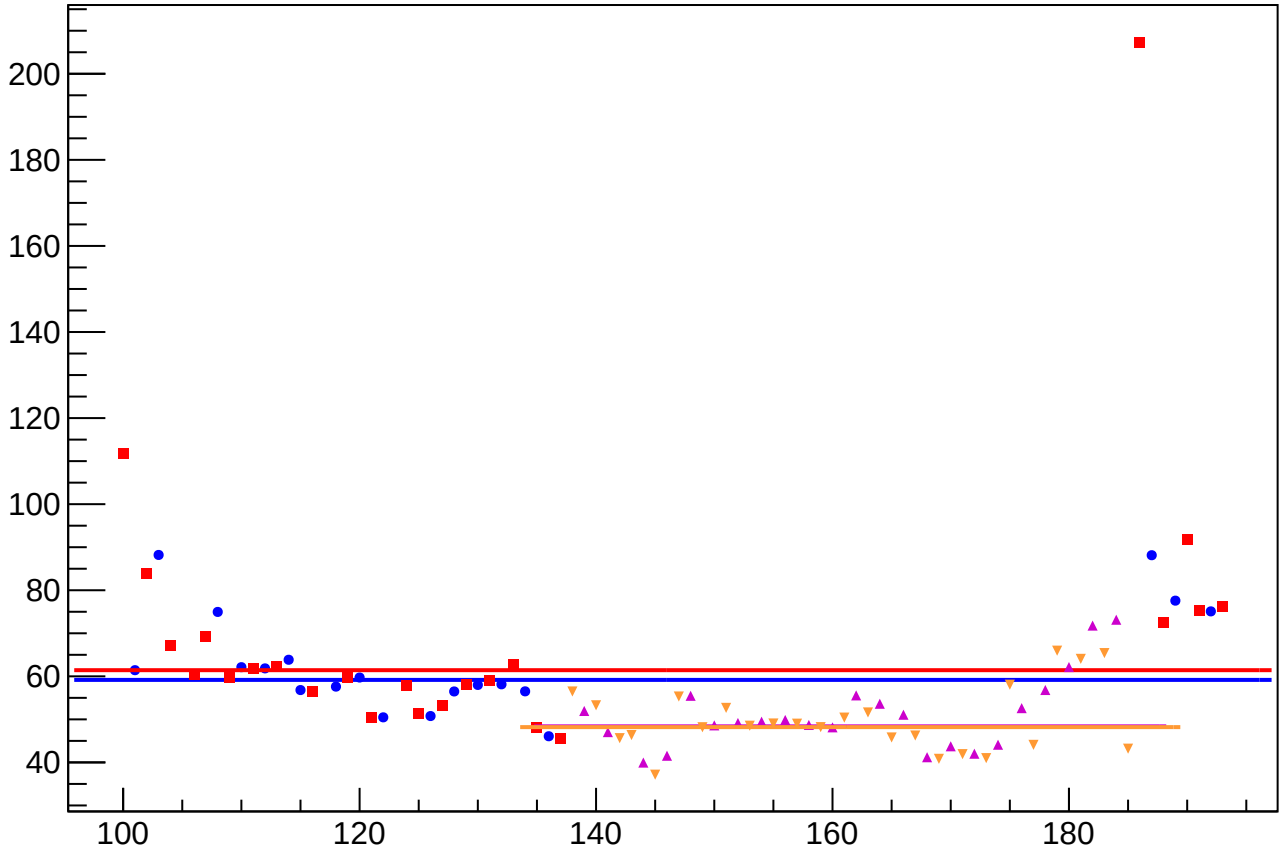
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -11.028+/-9.741 χ^2/NDF: 68.5/43

All: 1.721+/-6.954 χ^2/NDF: 124.2/90

- sign 14.969+/-9.930 χ^2/NDF: 52.2/46

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

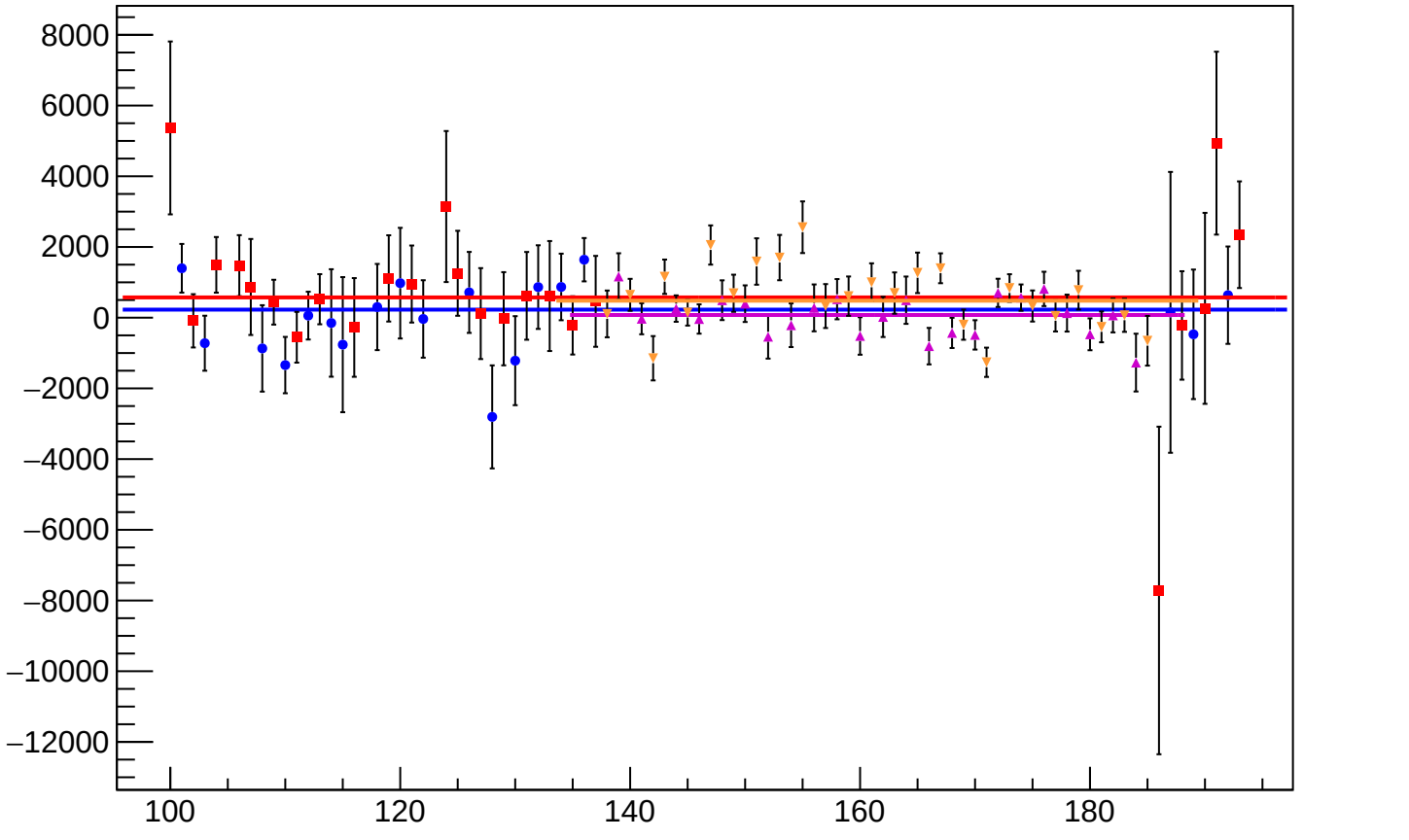
Right Out: 61.429+/-0.014 χ^2/NDF: 938083.4/23

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

\+ sign 50.750+/-0.007 χ^2/NDF: 1783903.2/43

All: 51.192+/-0.005 χ^2/NDF: 4074466.2/90

\- sign 51.651+/-0.007 χ^2/NDF: 2282167.1/46



Right In: 227.686+/-235.222 χ^2/NDF: 21.9/18

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

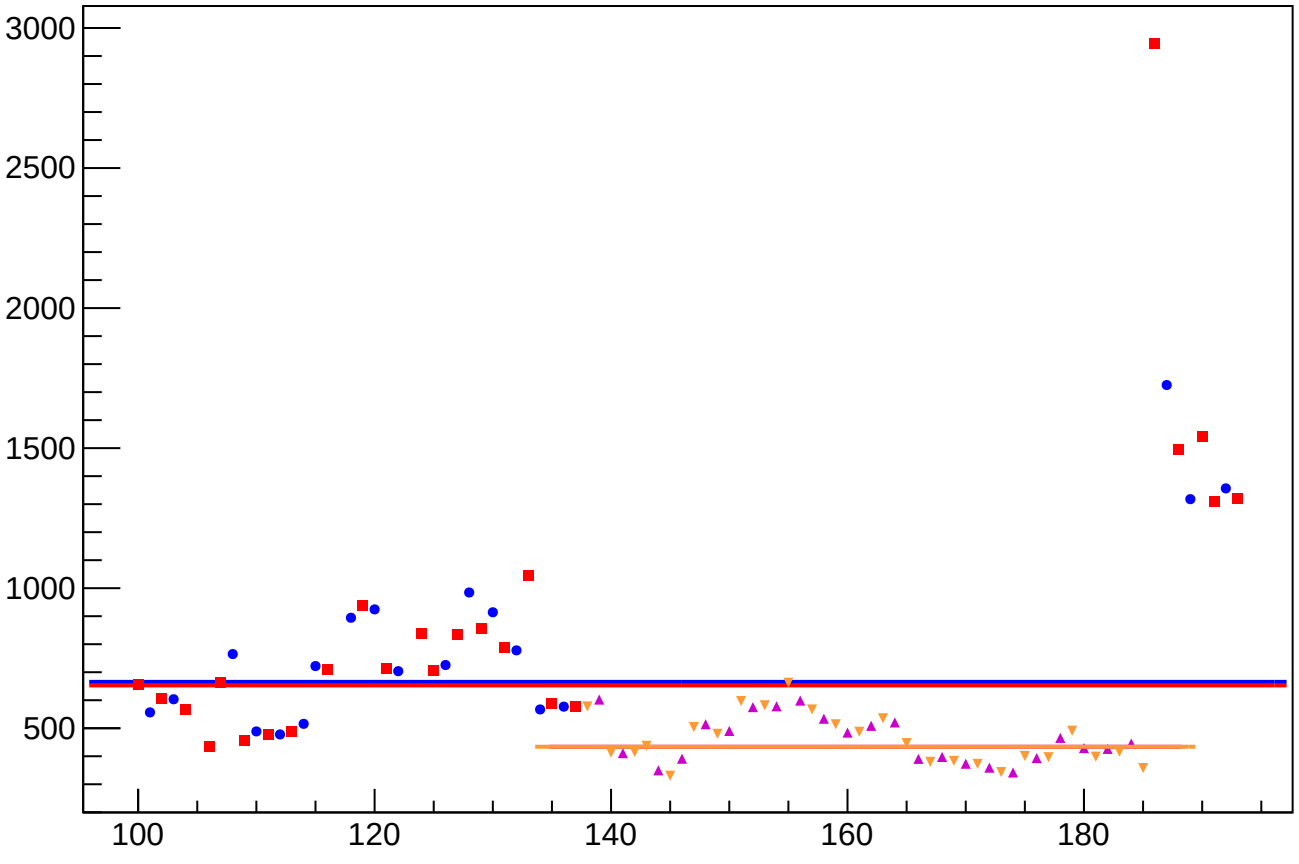
Right Out: 572.991+/-221.905 χ^2/NDF: 21.1/23

Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 441.212+/-92.438 χ^2/NDF: 92.1/43

All: 304.222+/-65.743 χ^2/NDF: 146.2/90

- sign 164.000+/-93.522 χ^2/NDF: 49.7/46



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: 652.877+/-0.157 χ^2/NDF: 2801894.1/23

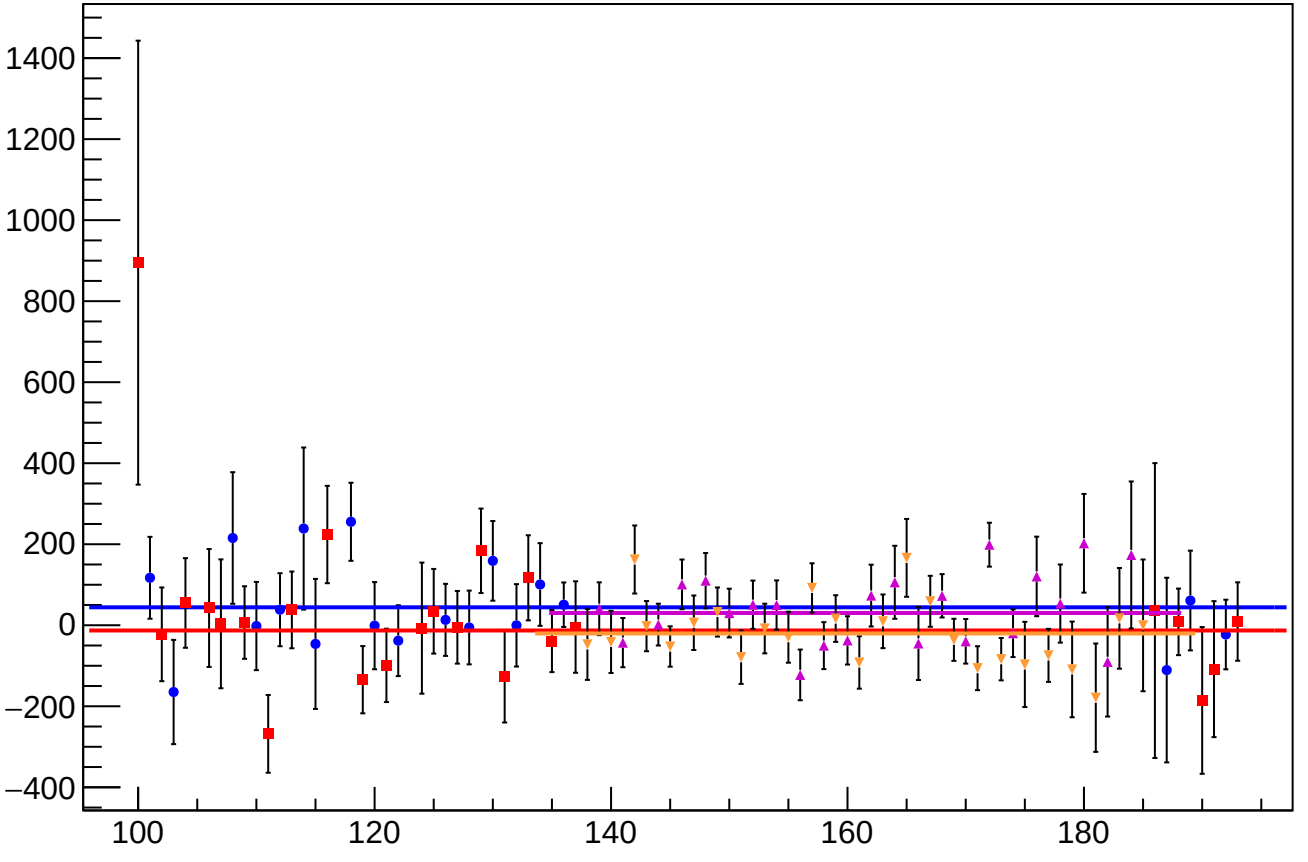
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 469.708+/-0.065 χ^2/NDF: 4520398.6/43

All: 471.161+/-0.046 χ^2/NDF: 10022330.8/90

- sign 472.648+/-0.066 χ^2/NDF: 5500932.3/46

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: -12.898+/-22.258 χ^2/NDF: 25.4/23

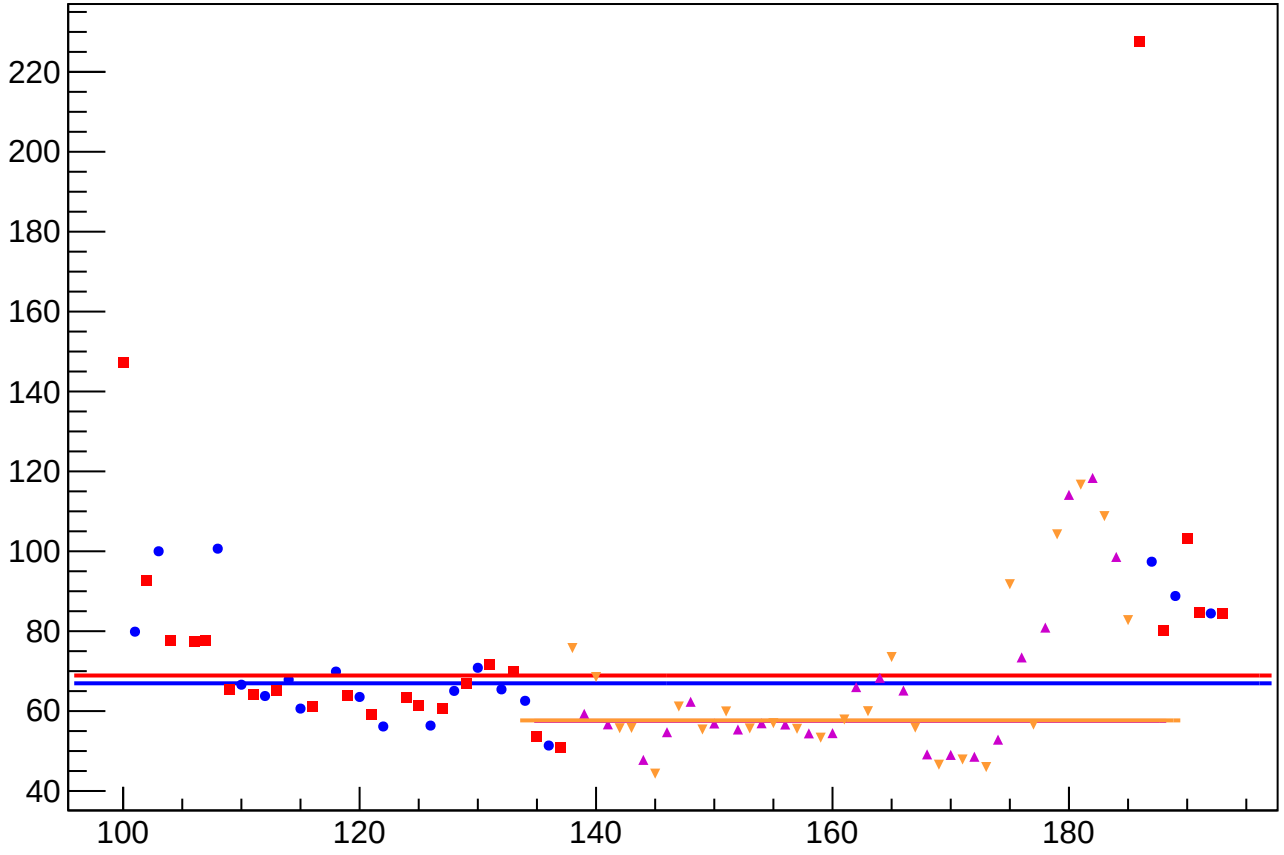
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -3.499+/-11.732 χ^2/NDF: 45.9/43

All: 7.200+/-8.333 χ^2/NDF: 108.3/90

- sign 18.094+/-11.838 χ^2/NDF: 60.7/46

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

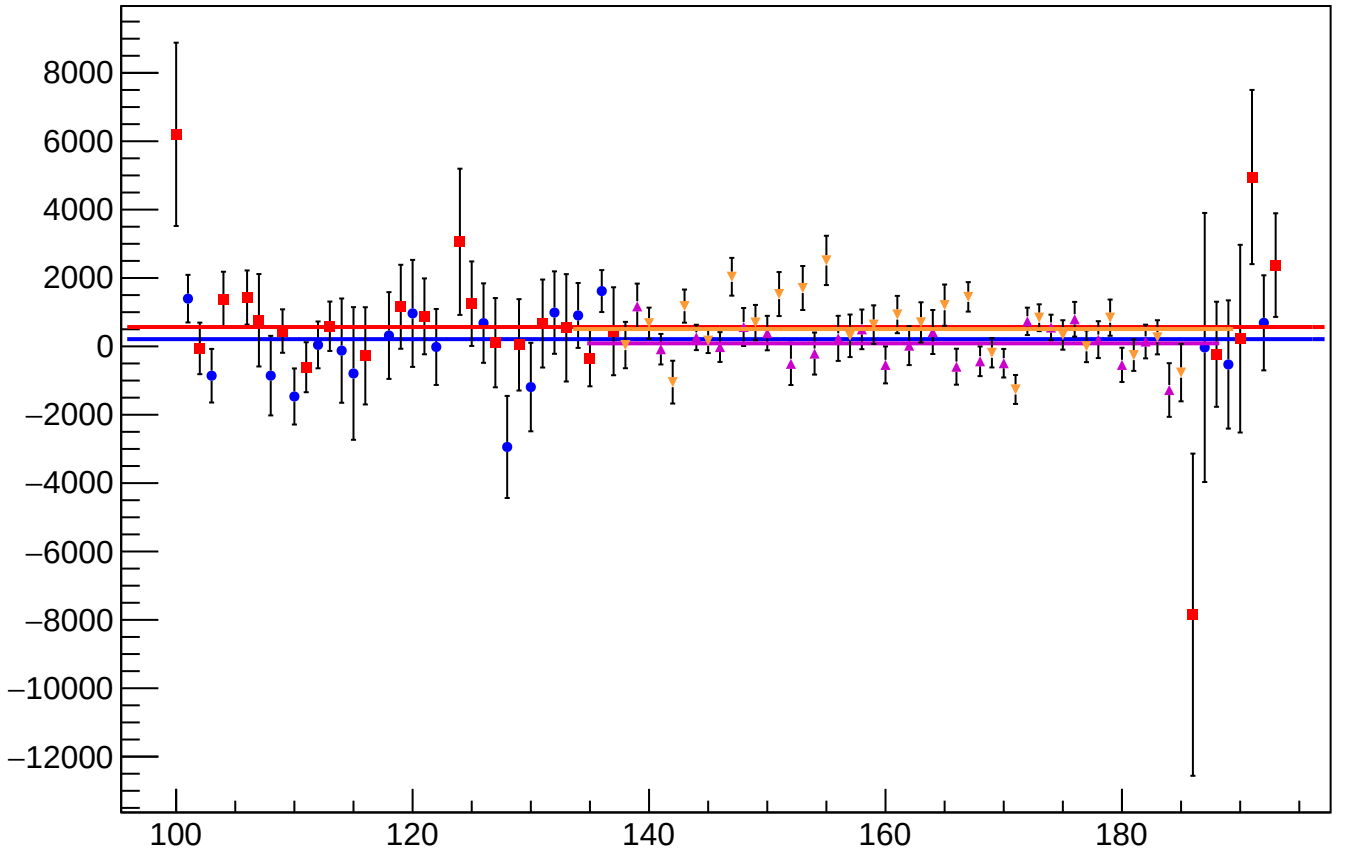
Right Out: 68.907+/-0.016 χ^2/NDF: 922149.3/23

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 60.081+/-0.008 χ^2/NDF: 2820462.8/43

All: 60.415+/-0.006 χ^2/NDF: 5563266.5/90

- sign 60.755+/-0.008 χ^2/NDF: 2739534.1/46



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: 565.758+/-222.790 χ^2/NDF: 21.7/23

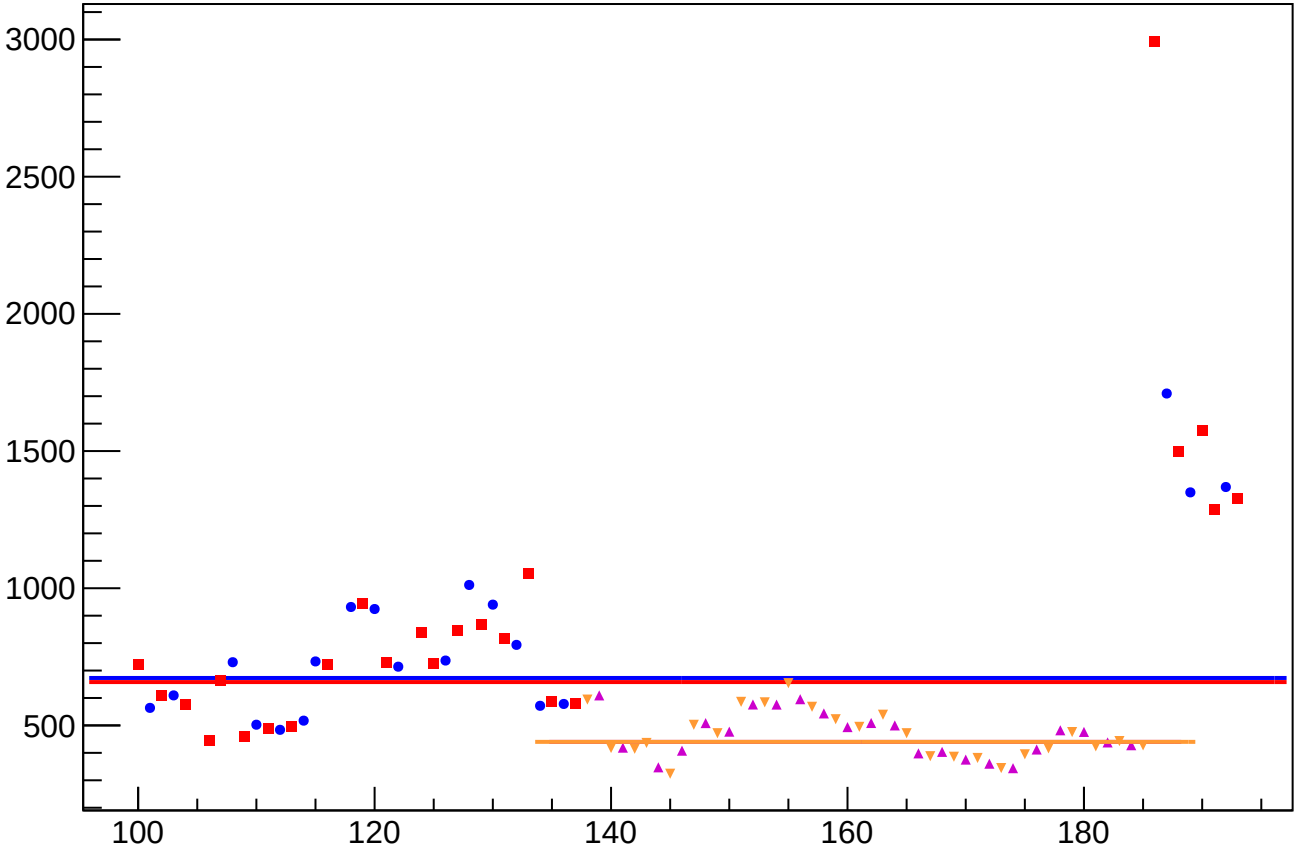
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 461.343+/-93.564 χ^2/NDF: 89.9/43

All: 319.611+/-66.537 χ^2/NDF: 143.3/90

- sign 174.599+/-94.640 χ^2/NDF: 48.8/46

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: 658.005+/-0.158 χ^2/NDF: 2816490.6/23

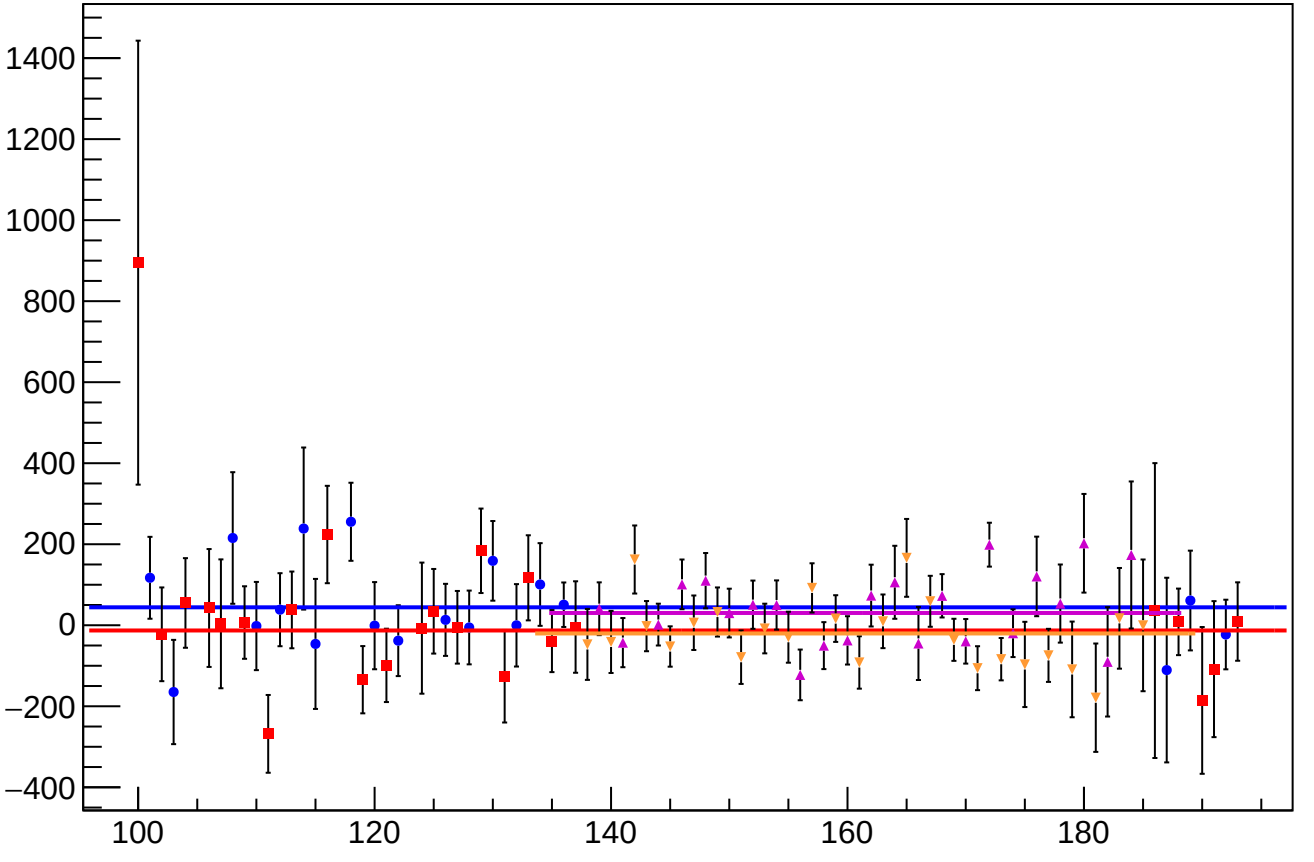
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 476.143+/-0.066 χ^2/NDF: 4470097.1/43

All: 477.673+/-0.047 χ^2/NDF: 9920804.0/90

- sign 479.239+/-0.067 χ^2/NDF: 5449624.4/46

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: -12.899+/-22.257 χ^2/NDF: 25.4/23

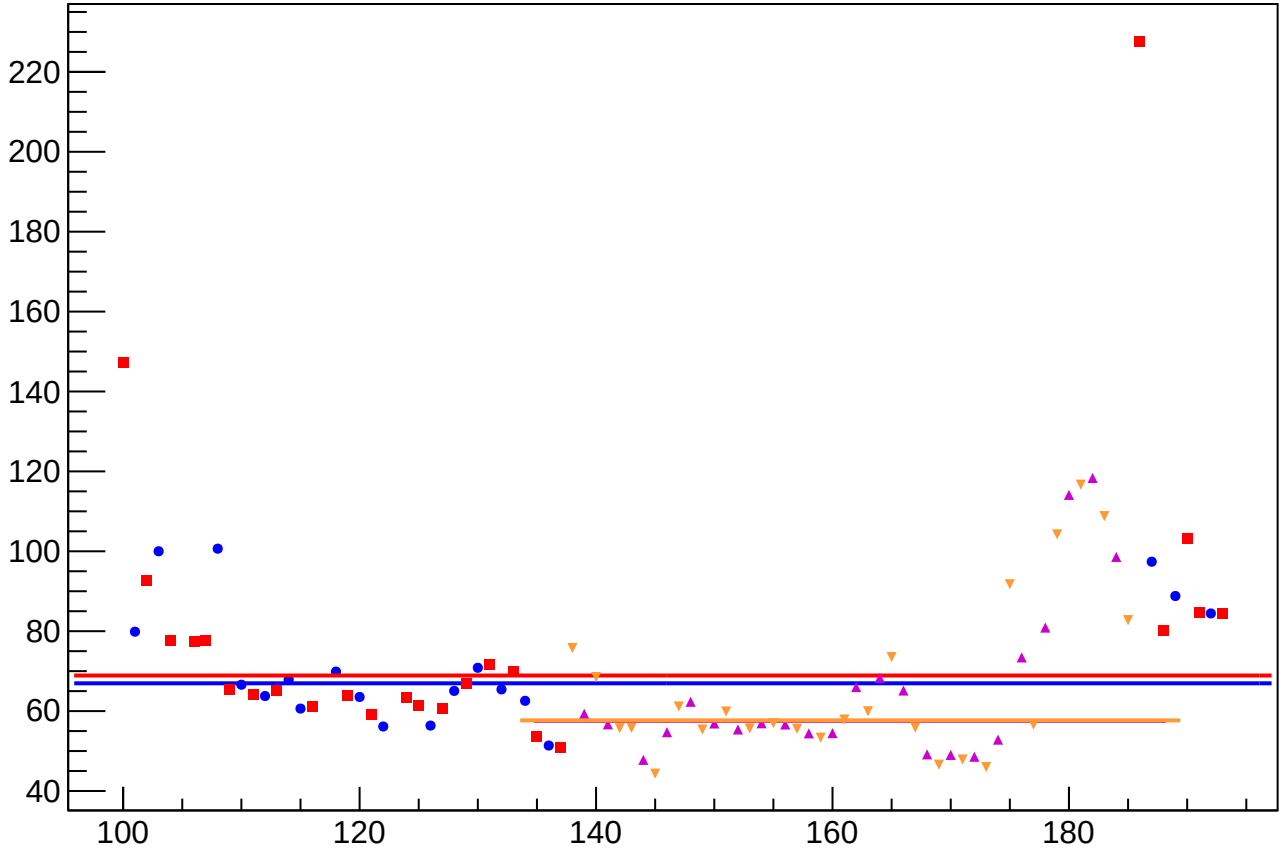
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -3.500+/-11.732 χ^2/NDF: 45.9/43

All: 7.200+/-8.333 χ^2/NDF: 108.3/90

- sign 18.093+/-11.838 χ^2/NDF: 60.7/46

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

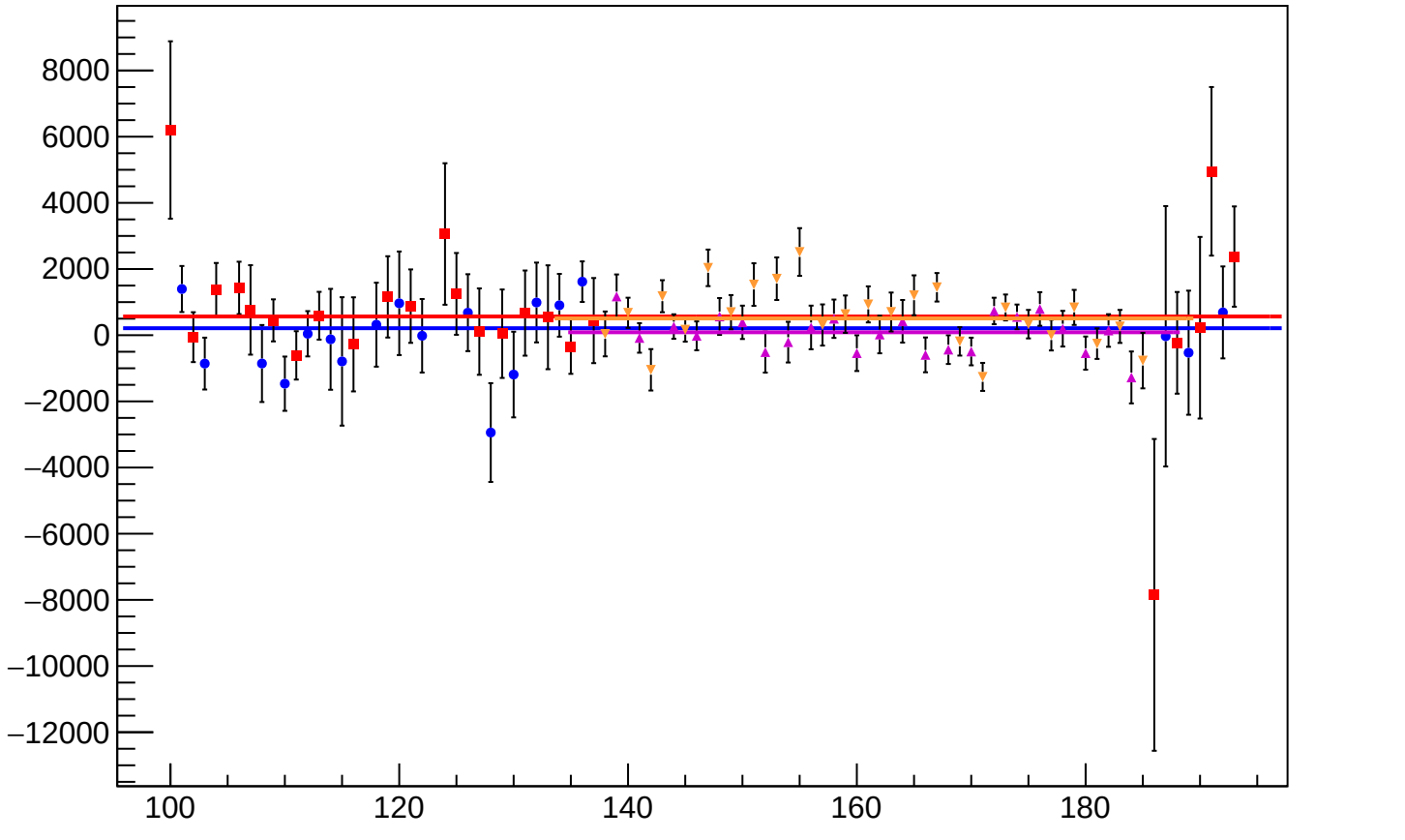
Right Out: 68.907+/-0.016 χ^2/NDF: 922160.3/23

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 60.081+/-0.008 χ^2/NDF: 2820440.0/43

All: 60.415+/-0.006 χ^2/NDF: 5563224.7/90

- sign 60.755+/-0.008 χ^2/NDF: 2739515.7/46



Right In: 211.258+/-237.753 χ^2/NDF: 22.7/18

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

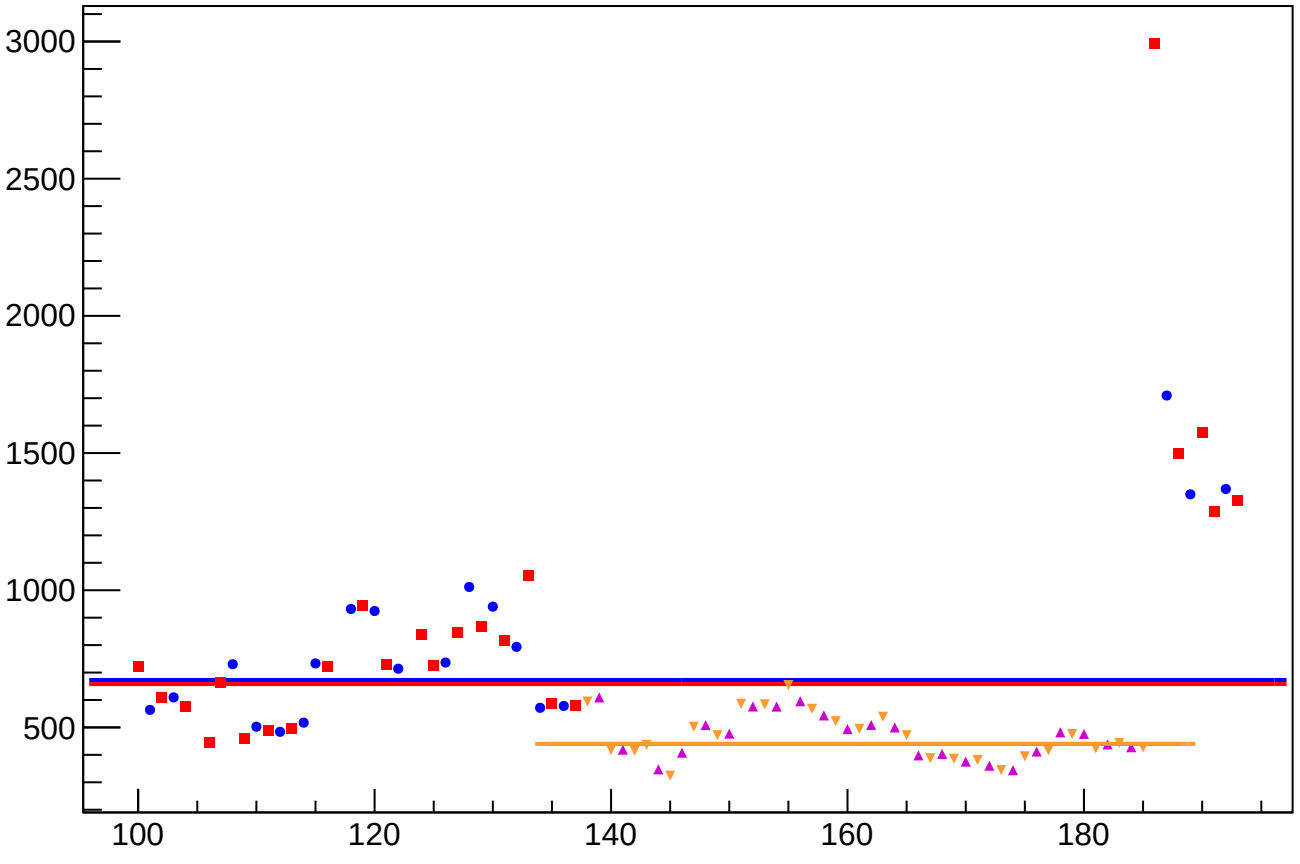
Right Out: 565.757+/-222.790 χ^2/NDF: 21.7/23

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

+ sign 461.342+/-93.564 χ^2/NDF: 89.9/43

All: 319.610+/-66.537 χ^2/NDF: 143.3/90

- sign 174.598+/-94.640 χ^2/NDF: 48.8/46



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: 658.005+/-0.158 χ^2/NDF: 2816490.0/23

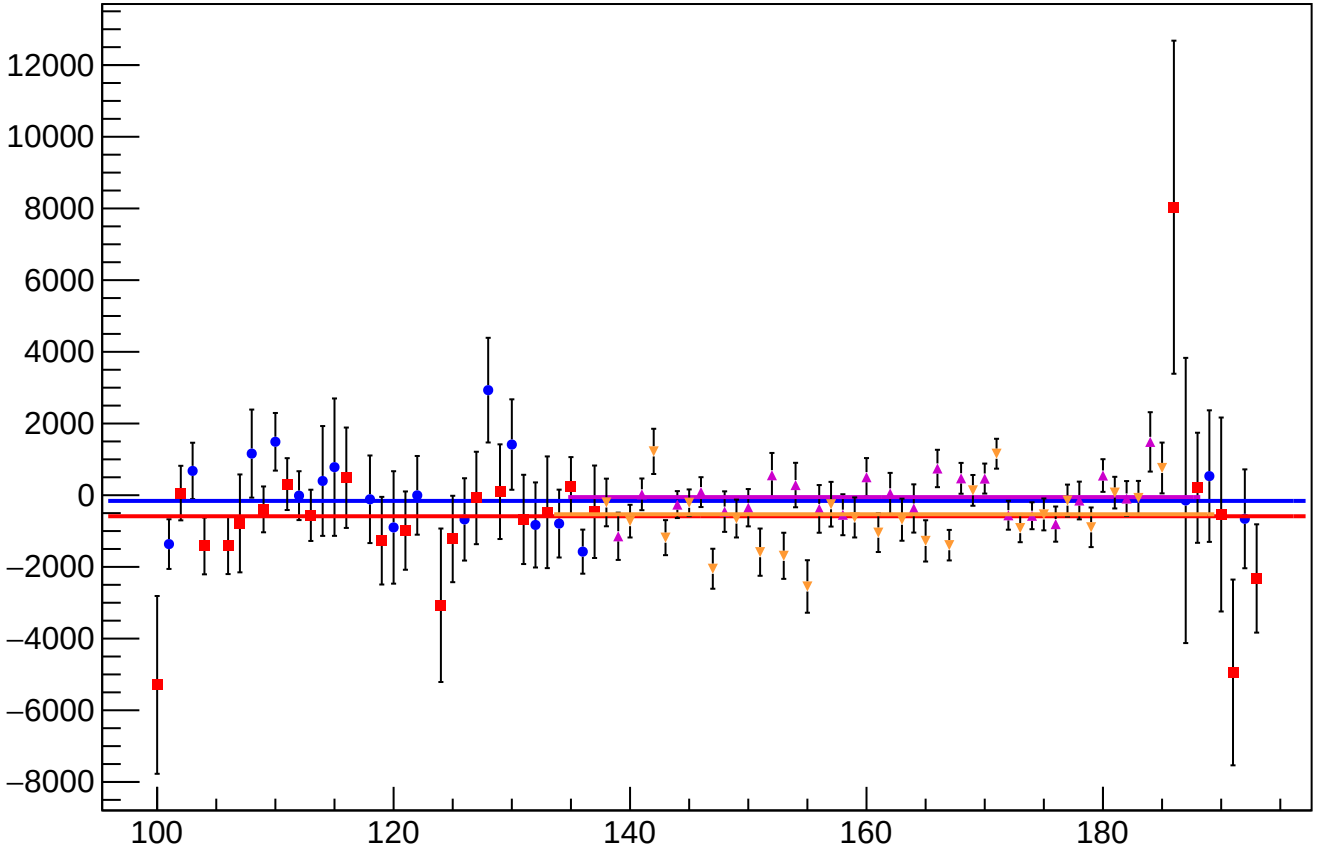
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 476.142+/-0.066 χ^2/NDF: 4470115.3/43

All: 477.672+/-0.047 χ^2/NDF: 9920838.8/90

- sign 479.238+/-0.067 χ^2/NDF: 5449641.0/46

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: -587.087+/-222.050 χ^2/NDF: 20.0/23

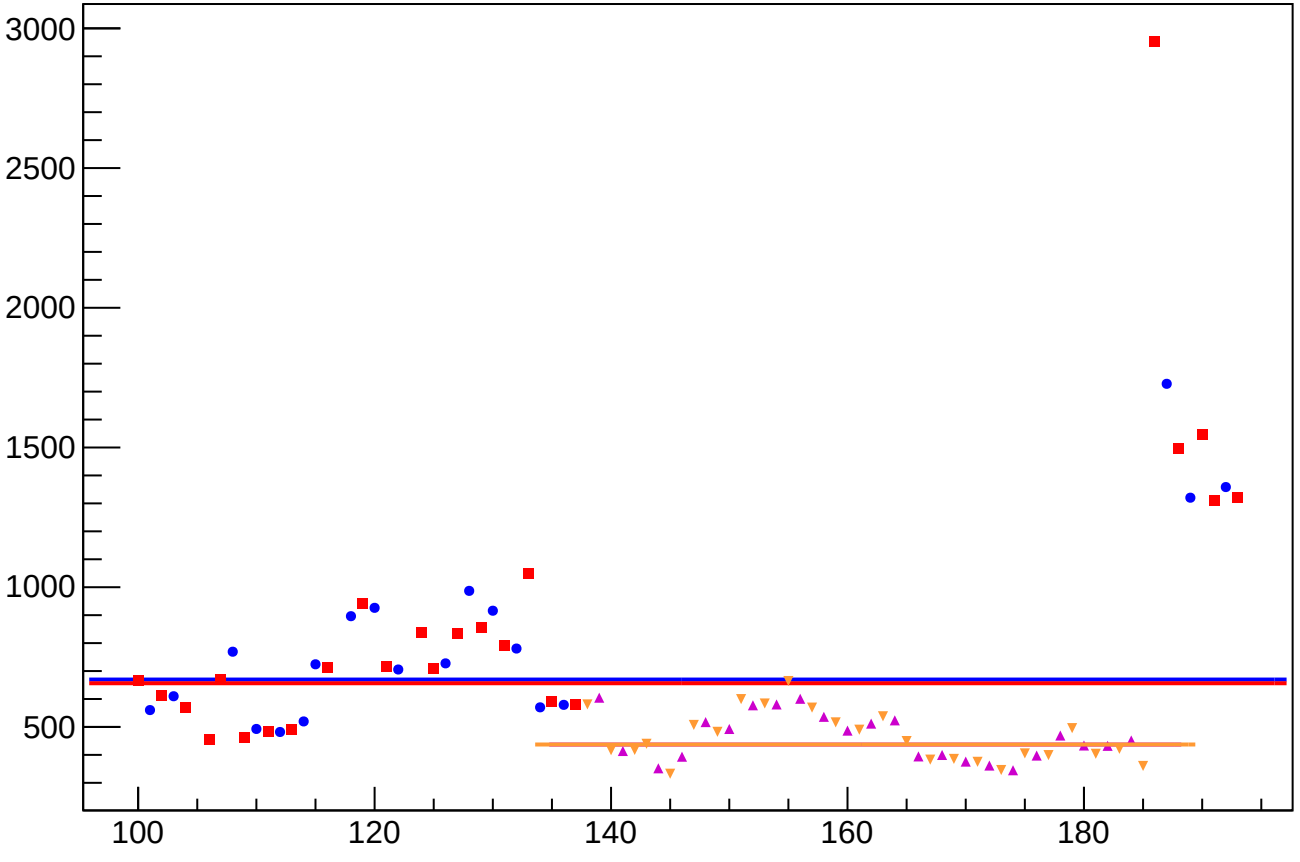
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -473.863+/-93.076 χ^2/NDF: 90.4/43

All: -312.946+/-66.168 χ^2/NDF: 145.3/90

- sign -148.519+/-94.085 χ^2/NDF: 48.8/46

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

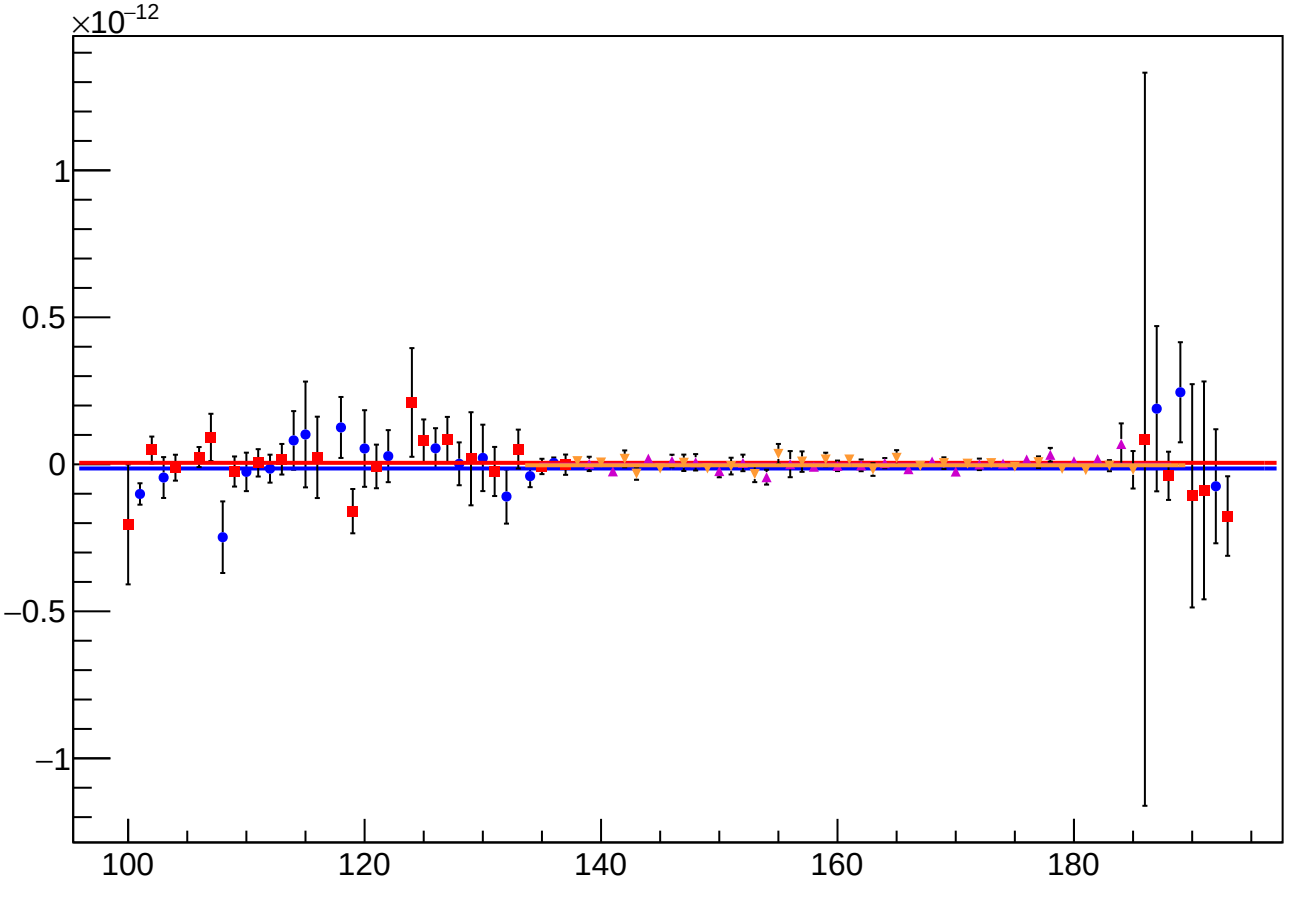
Right Out: 656.354+/-0.157 χ^2/NDF: 2771842.8/23

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 473.153+/-0.066 χ^2/NDF: 4478515.0/43

All: 474.724+/-0.047 χ^2/NDF: 9933786.1/90

- sign 476.329+/-0.067 χ^2/NDF: 5454119.3/46



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

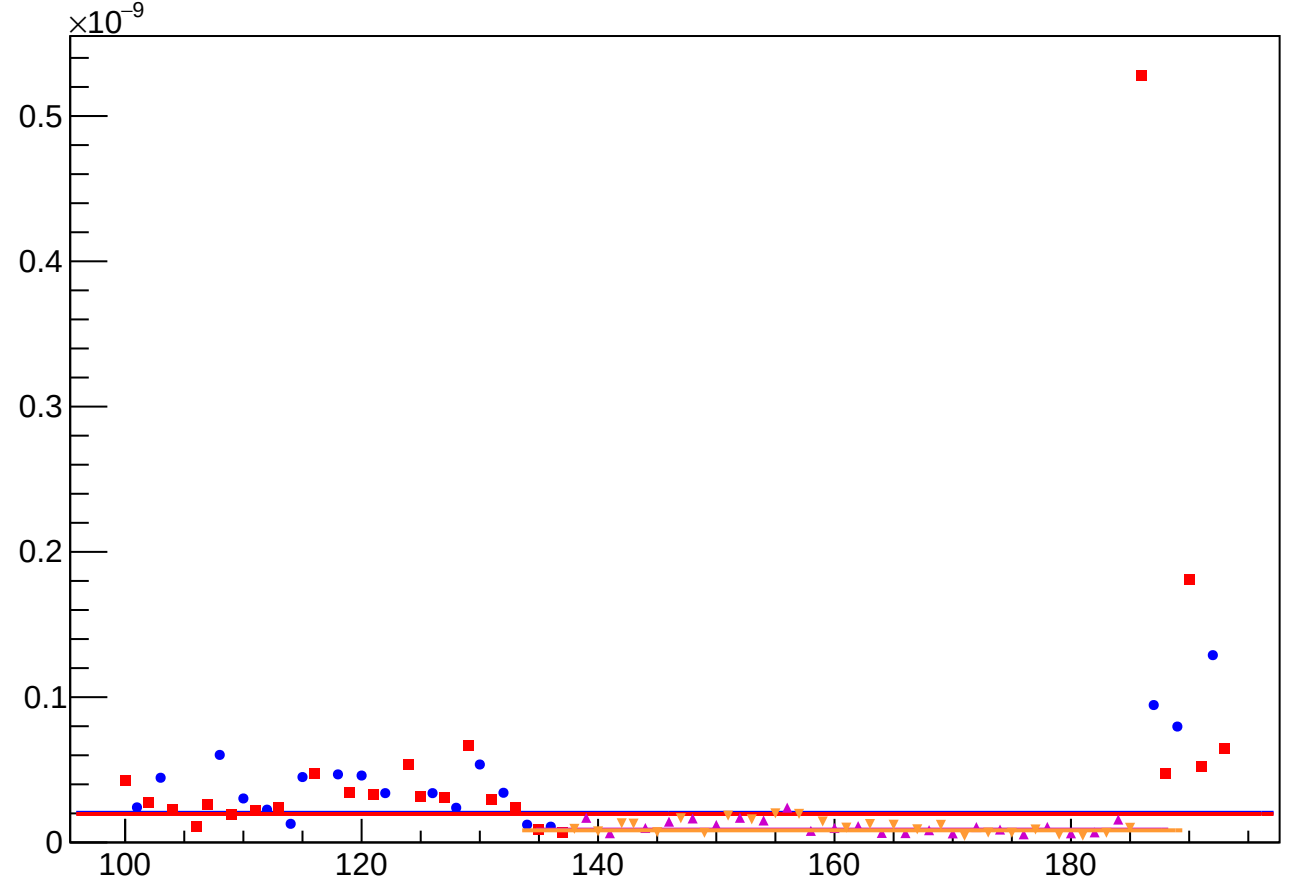
Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/23

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: 72.9/90

- sign -0.000+/-0.000 χ^2/NDF: 37.6/46



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: 2618161.4/23

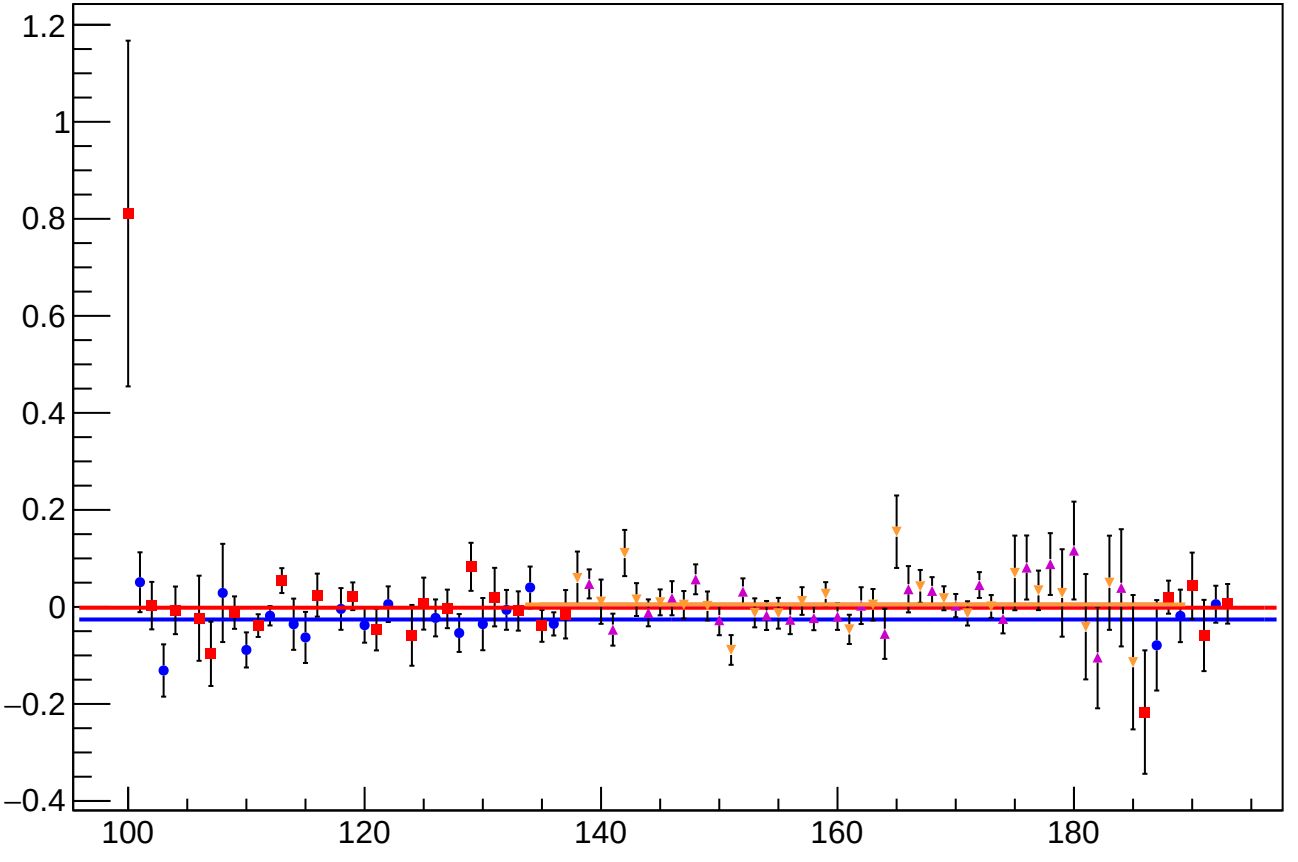
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6681191.3/43

All: 0.000+/-0.000 χ^2/NDF: 12451934.9/90

- sign 0.000+/-0.000 χ^2/NDF: 5743108.5/46

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: 26.4/23

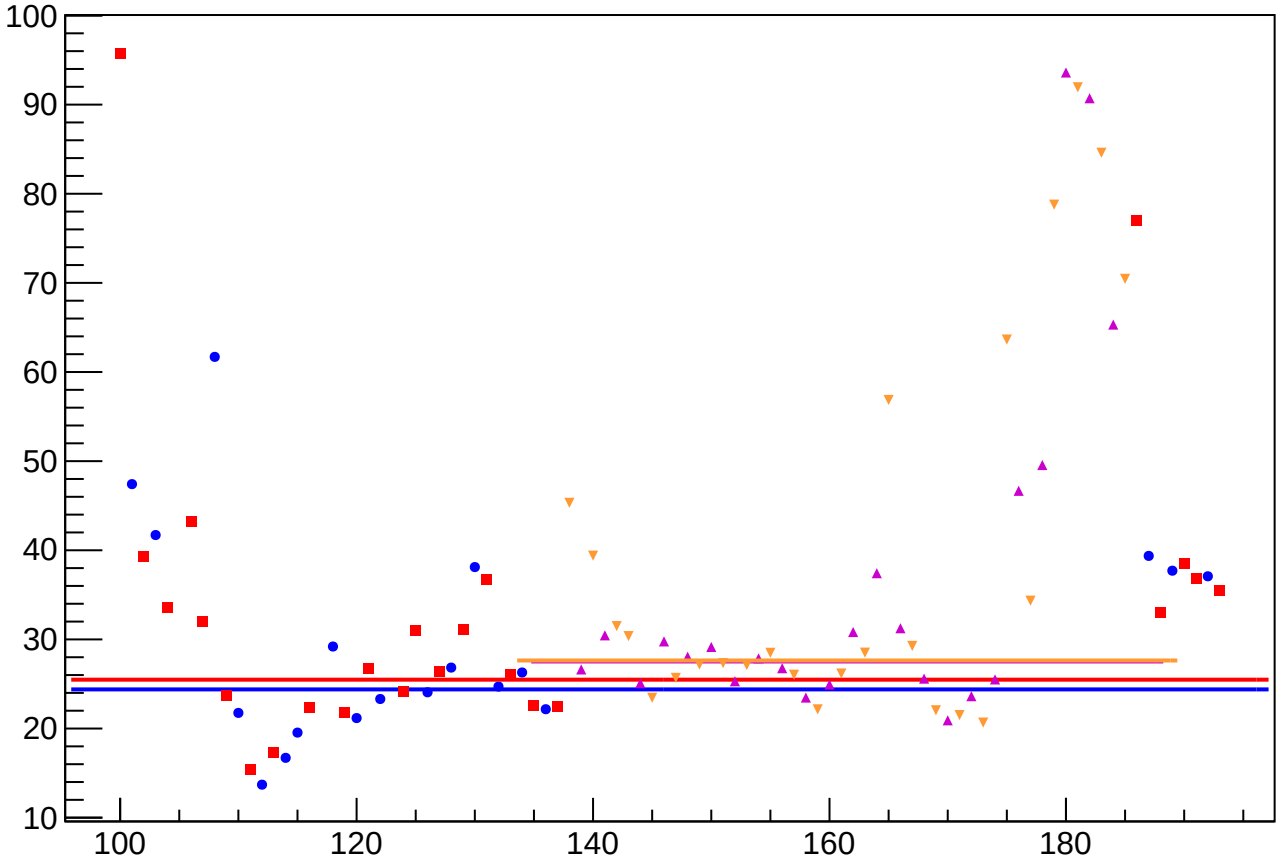
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 50.7/43

All: -0.002+/-0.004 χ^2/NDF: 103.8/90

- sign 0.002+/-0.005 χ^2/NDF: 51.9/46

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 24.391+/-0.006 χ^2/NDF: 1999133.7/18

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

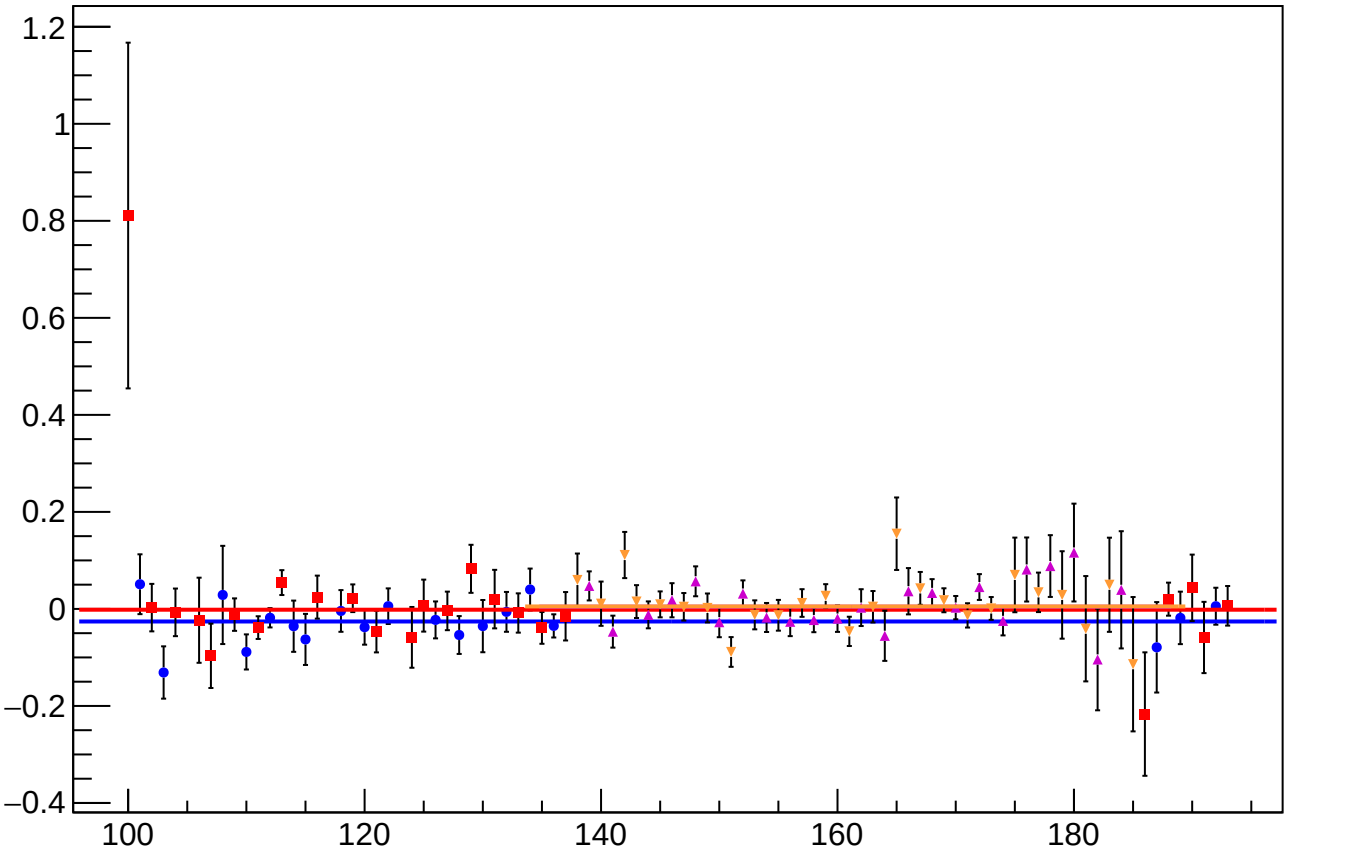
Right Out: 25.482+/-0.006 χ^2/NDF: 1829790.4/23

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.437+/-0.004 χ^2/NDF: 6138846.7/43

All: 26.576+/-0.003 χ^2/NDF: 10673679.1/90

- sign 26.714+/-0.004 χ^2/NDF: 4532245.3/46



Right In: -0.026+/-0.009 χ^2/NDF: 14.7/18

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

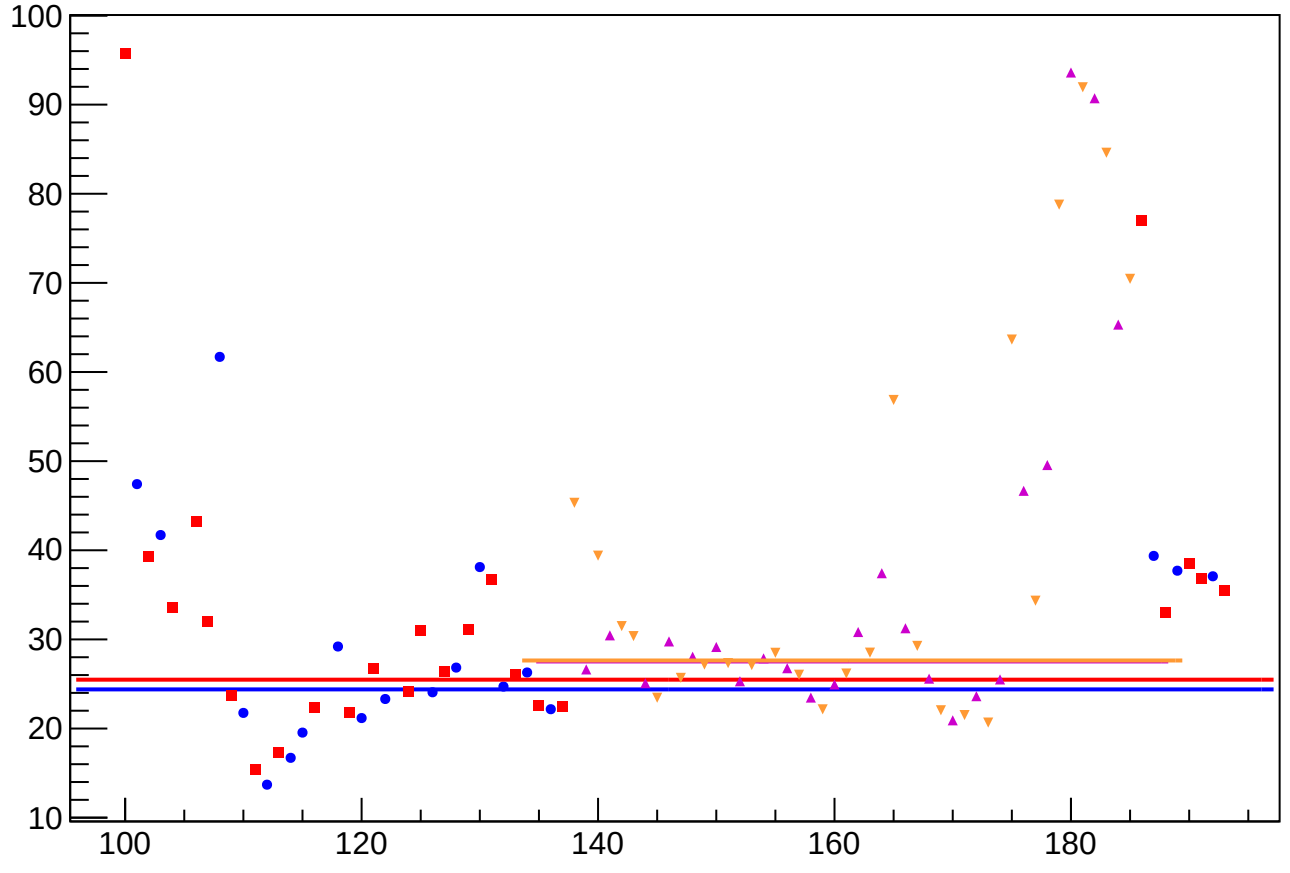
Right Out: -0.002+/-0.009 χ^2/NDF: 26.4/23

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: 103.8/90

- sign 0.002+/-0.005 χ^2/NDF: 51.9/46



Right In: 24.391+/-0.006 χ^2/NDF: 1999133.7/18

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

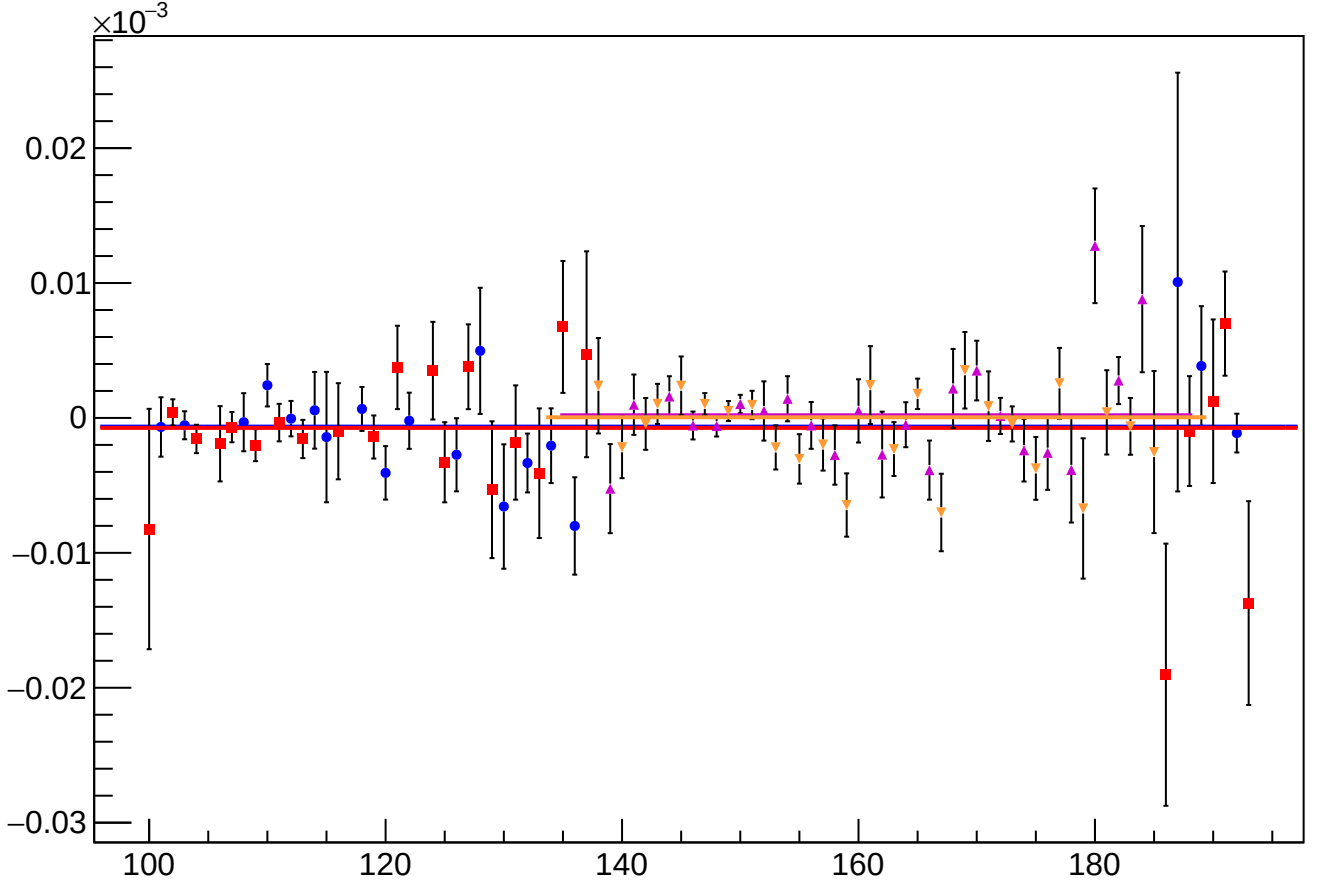
Right Out: 25.482+/-0.006 χ^2/NDF: 1829790.4/23

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.437+/-0.004 χ^2/NDF: 6138846.7/43

All: 26.576+/-0.003 χ^2/NDF: 10673679.1/90

- sign 26.714+/-0.004 χ^2/NDF: 4532245.3/46



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

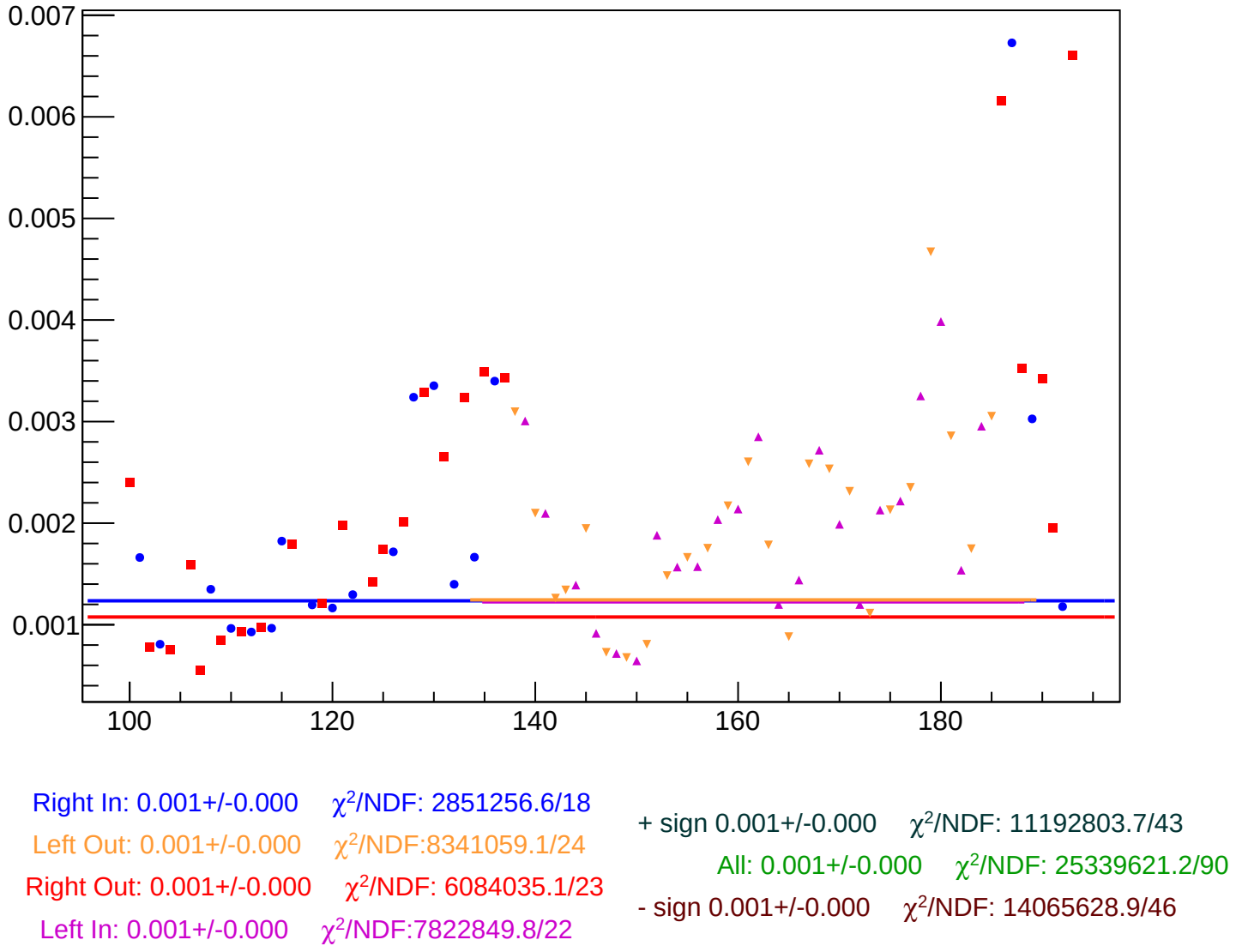
Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/23

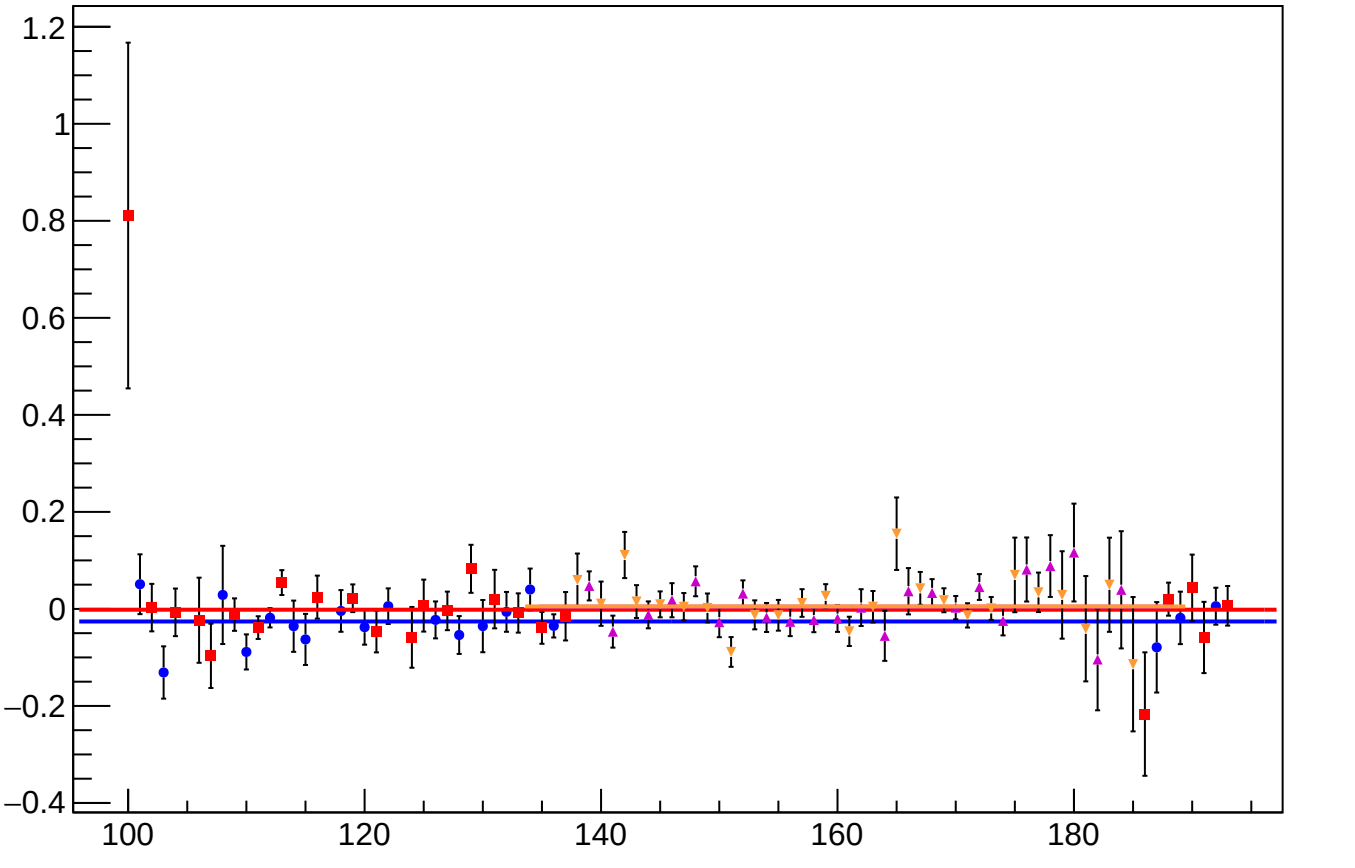
Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.7/43

All: -0.000+/-0.000 χ^2/NDF: 119.8/90

- sign -0.000+/-0.000 χ^2/NDF: 62.2/46


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
Right In: 0.001+/-0.000 χ²/NDF: 2851256.6/18
Left Out: 0.001+/-0.000 χ²/NDF:8341059.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 6084035.1/23
Left In: 0.001+/-0.000 χ²/NDF:7822849.8/22
+ sign 0.001+/-0.000 χ²/NDF: 11192803.7/43
All: 0.001+/-0.000 χ²/NDF: 25339621.2/90
- sign 0.001+/-0.000 χ²/NDF: 14065628.9/46



Right In: -0.026+/-0.009 χ^2/NDF: 14.7/18

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

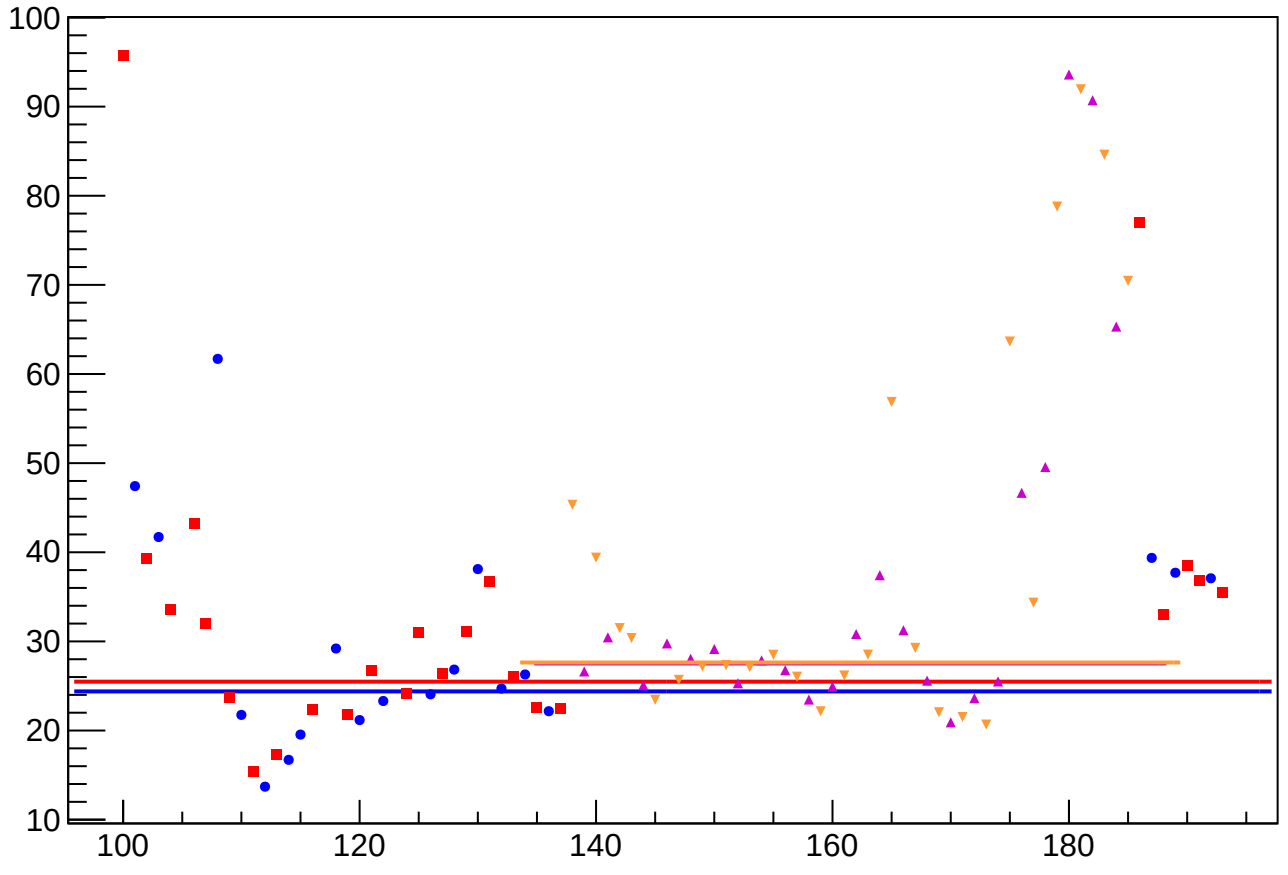
Right Out: -0.002+/-0.009 χ^2/NDF: 26.4/23

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: 103.8/90

- sign 0.002+/-0.005 χ^2/NDF: 51.9/46



Right In: 24.391+/-0.006 χ^2/NDF: 1999132.4/18

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

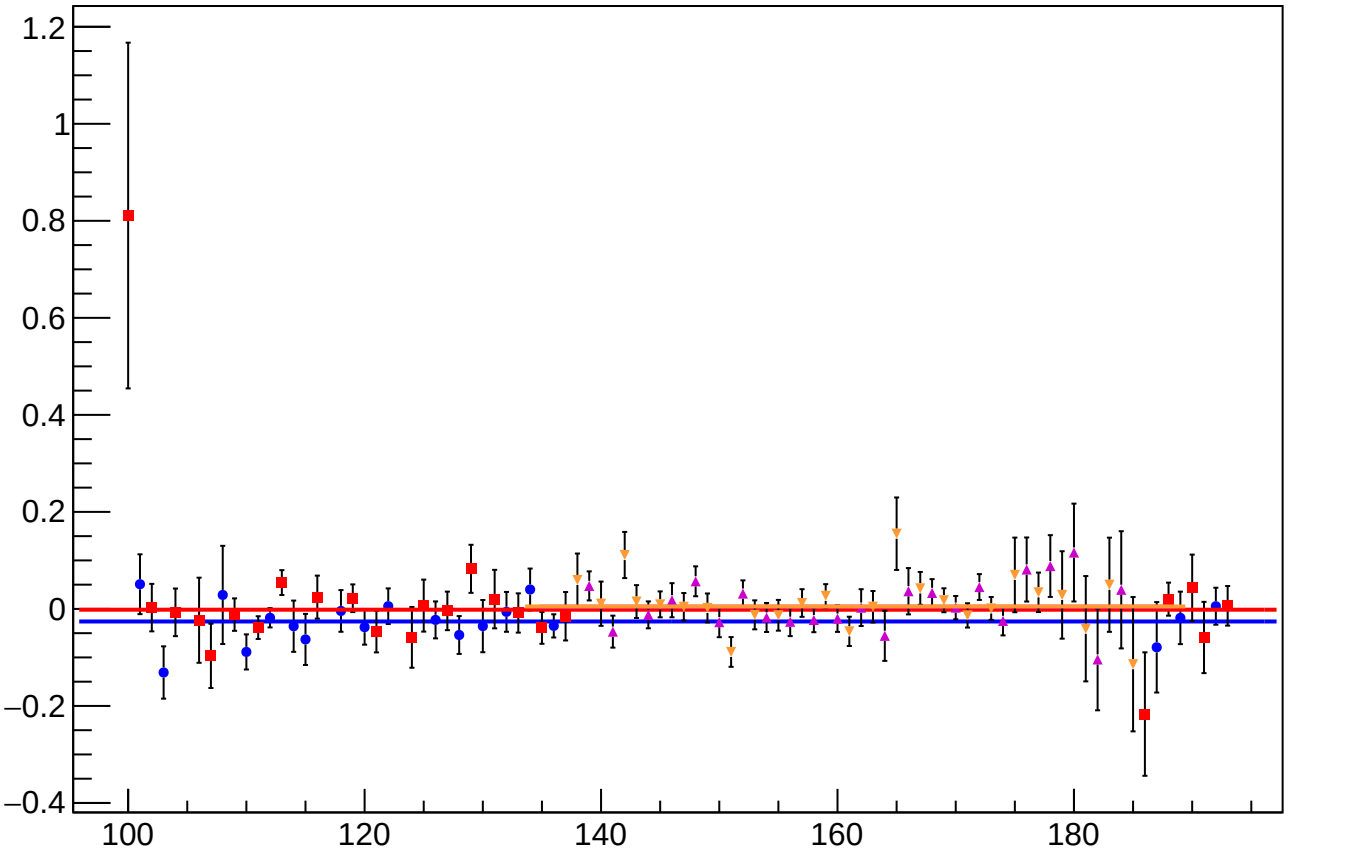
Right Out: 25.482+/-0.006 χ^2/NDF: 1829877.0/23

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.437+/-0.004 χ^2/NDF: 6138842.3/43

All: 26.576+/-0.003 χ^2/NDF: 10673755.7/90

- sign 26.714+/-0.004 χ^2/NDF: 4532327.9/46



Right In: -0.026+/-0.009 χ^2/NDF: 14.7/18

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

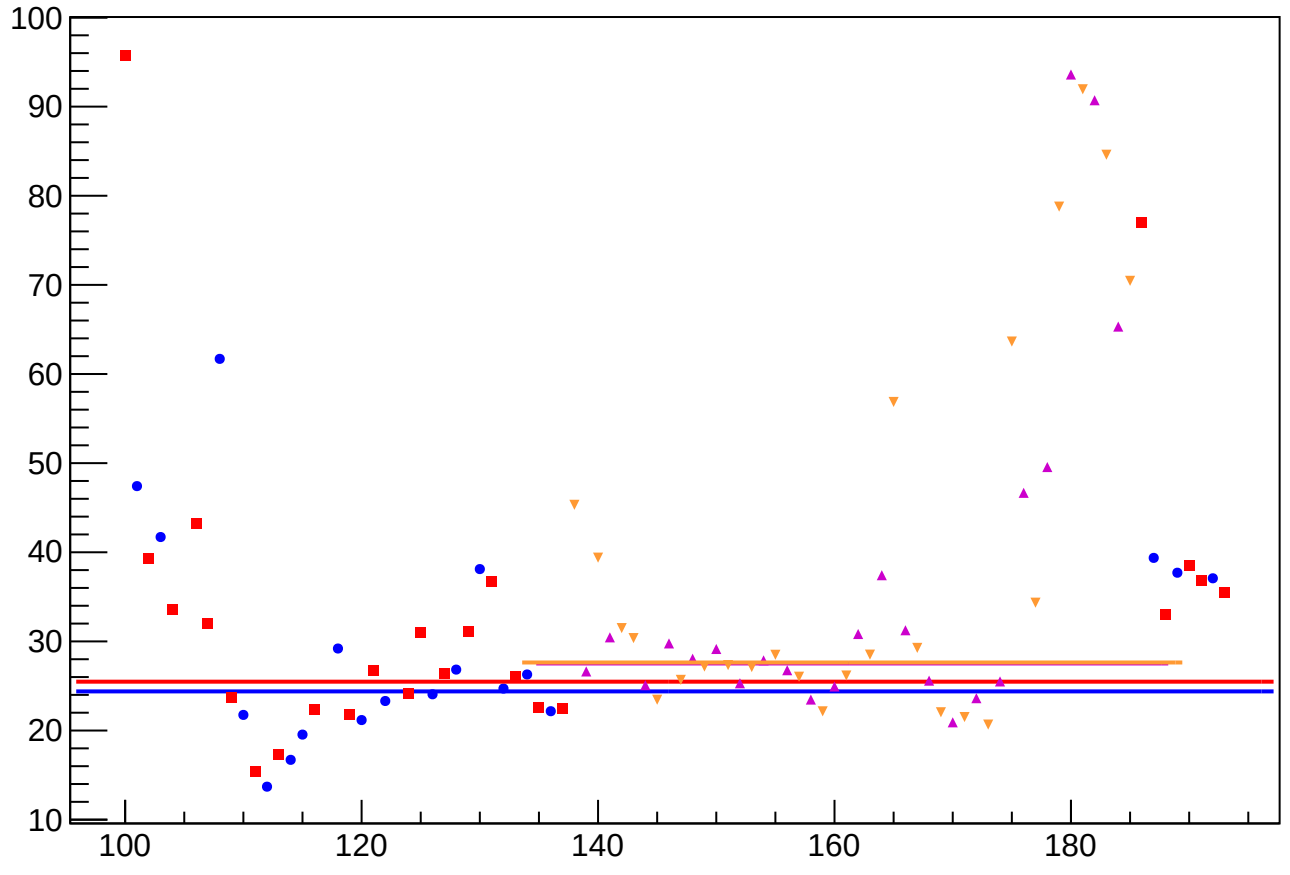
Right Out: -0.002+/-0.009 χ^2/NDF: 26.4/23

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: 103.8/90

- sign 0.002+/-0.005 χ^2/NDF: 51.9/46



Right In: 24.391+/-0.006 χ^2/NDF: 1999132.4/18

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

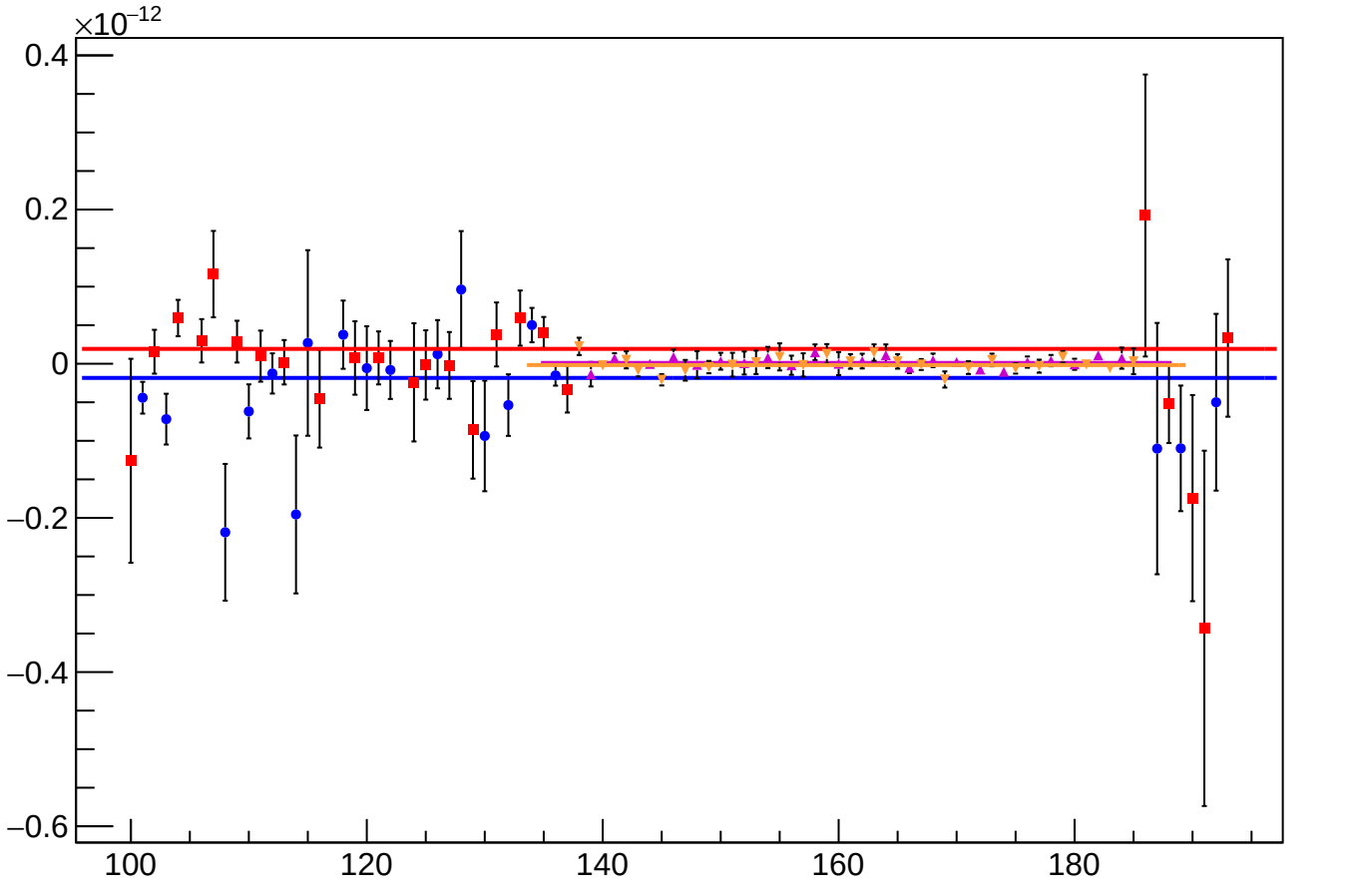
Right Out: 25.482+/-0.006 χ^2/NDF: 1829877.0/23

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.437+/-0.004 χ^2/NDF: 6138842.3/43

All: 26.576+/-0.003 χ^2/NDF: 10673755.7/90

- sign 26.714+/-0.004 χ^2/NDF: 4532327.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 31.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

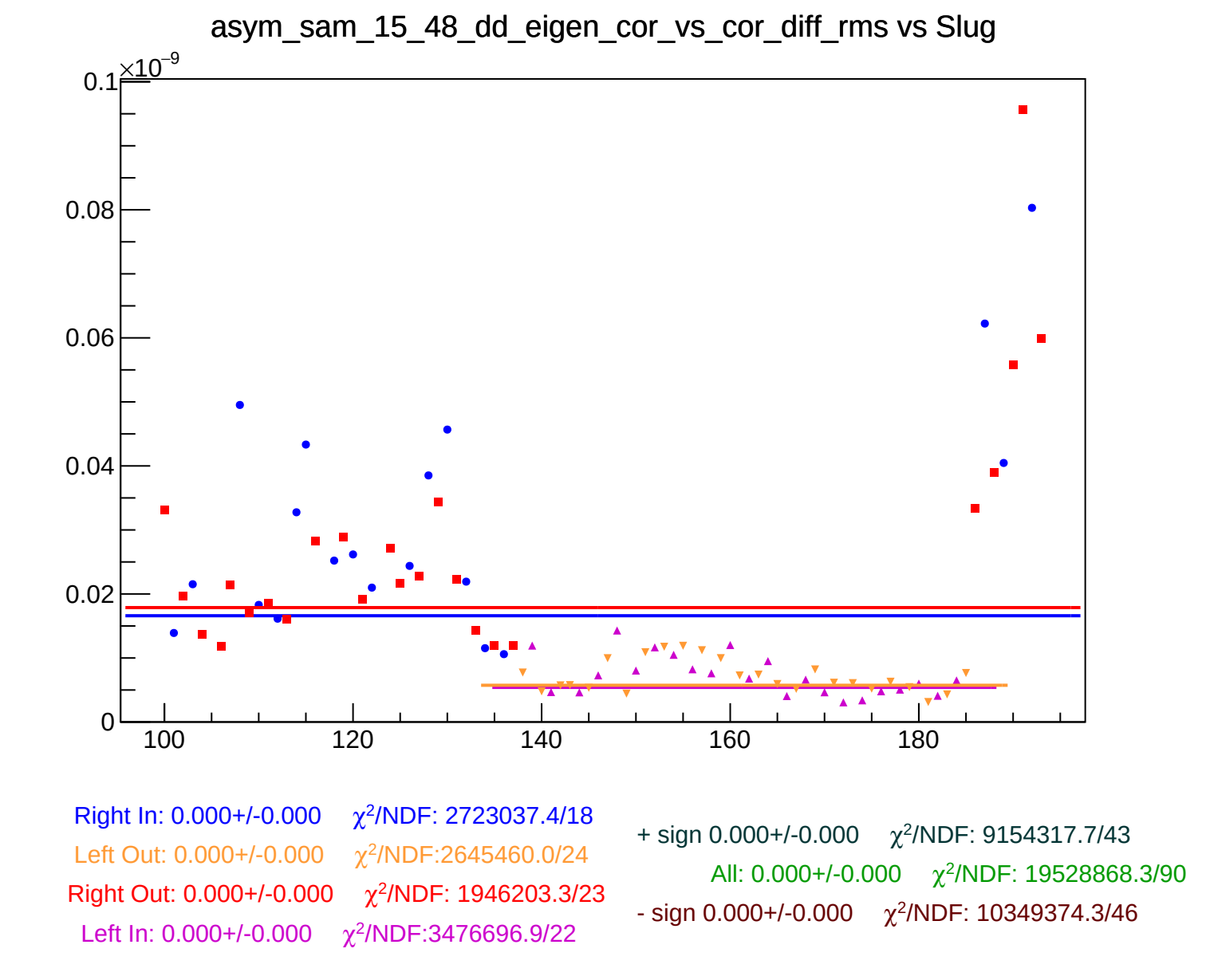
Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/23

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

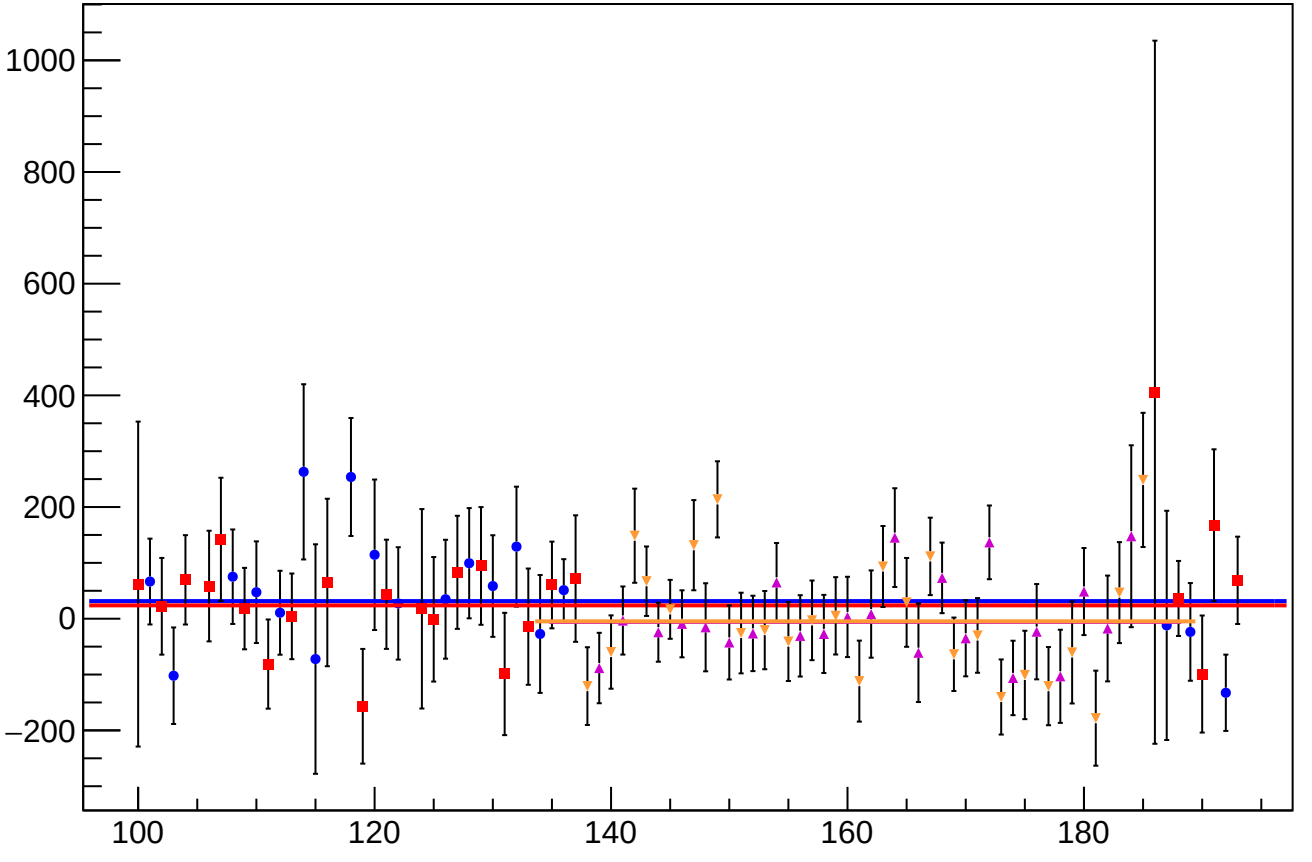
+ sign -0.000+/-0.000 χ^2/NDF: 60.4/43

All: -0.000+/-0.000 χ^2/NDF: 111.1/90

- sign 0.000+/-0.000 χ^2/NDF: 47.2/46


asym_sam_15_48_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: 2723037.4/18
Left Out: 0.000+/-0.000 χ²/NDF:2645460.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 1946203.3/23
Left In: 0.000+/-0.000 χ²/NDF:3476696.9/22
+ sign 0.000+/-0.000 χ²/NDF: 9154317.7/43
All: 0.000+/-0.000 χ²/NDF: 19528868.3/90
- sign 0.000+/-0.000 χ²/NDF: 10349374.3/46

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: 23.893+/-20.018 χ^2/NDF: 12.5/23

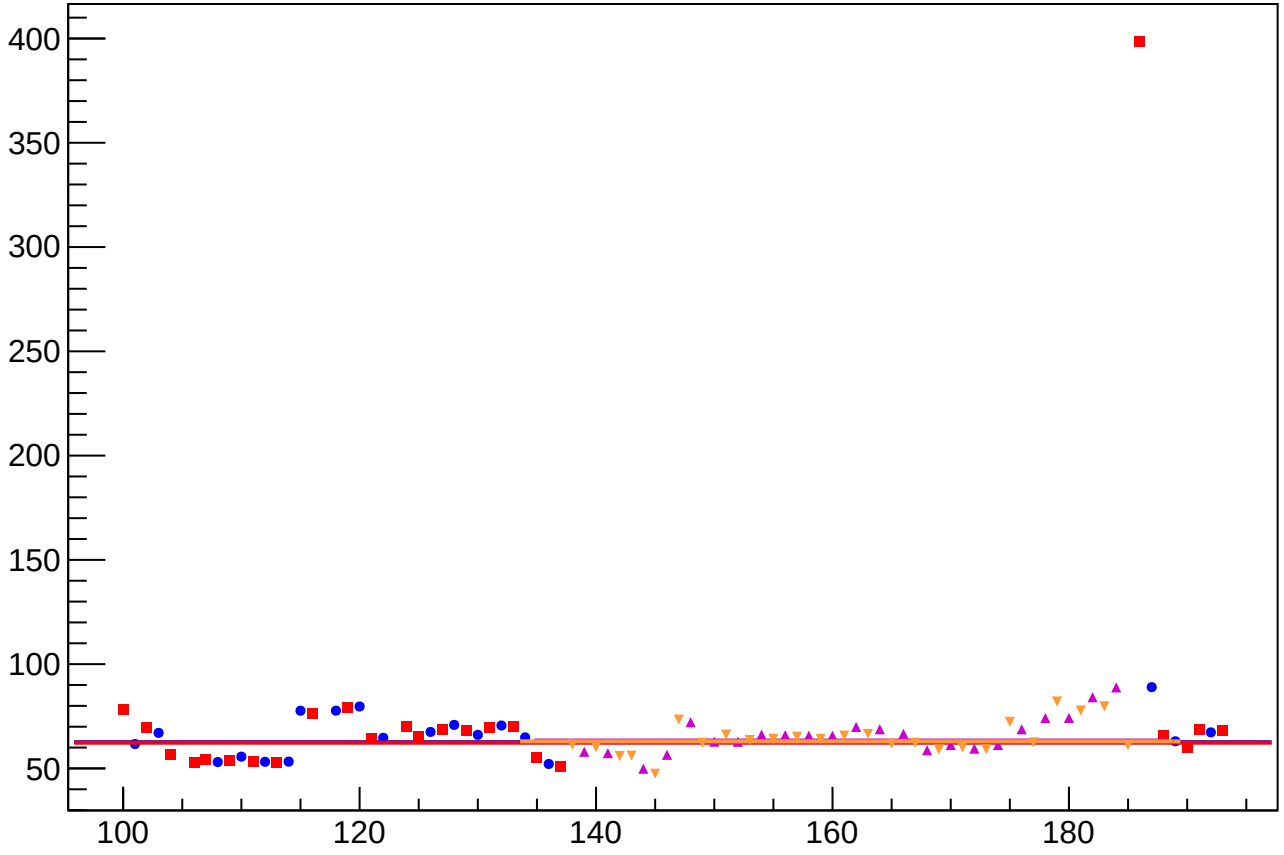
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 6.767+/-11.925 χ^2/NDF: 67.6/43

All: 5.802+/-8.448 χ^2/NDF: 99.8/90

- sign 4.829+/-11.968 χ^2/NDF: 32.2/46

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: 62.364+/-0.014 χ^2/NDF: 884193.0/23

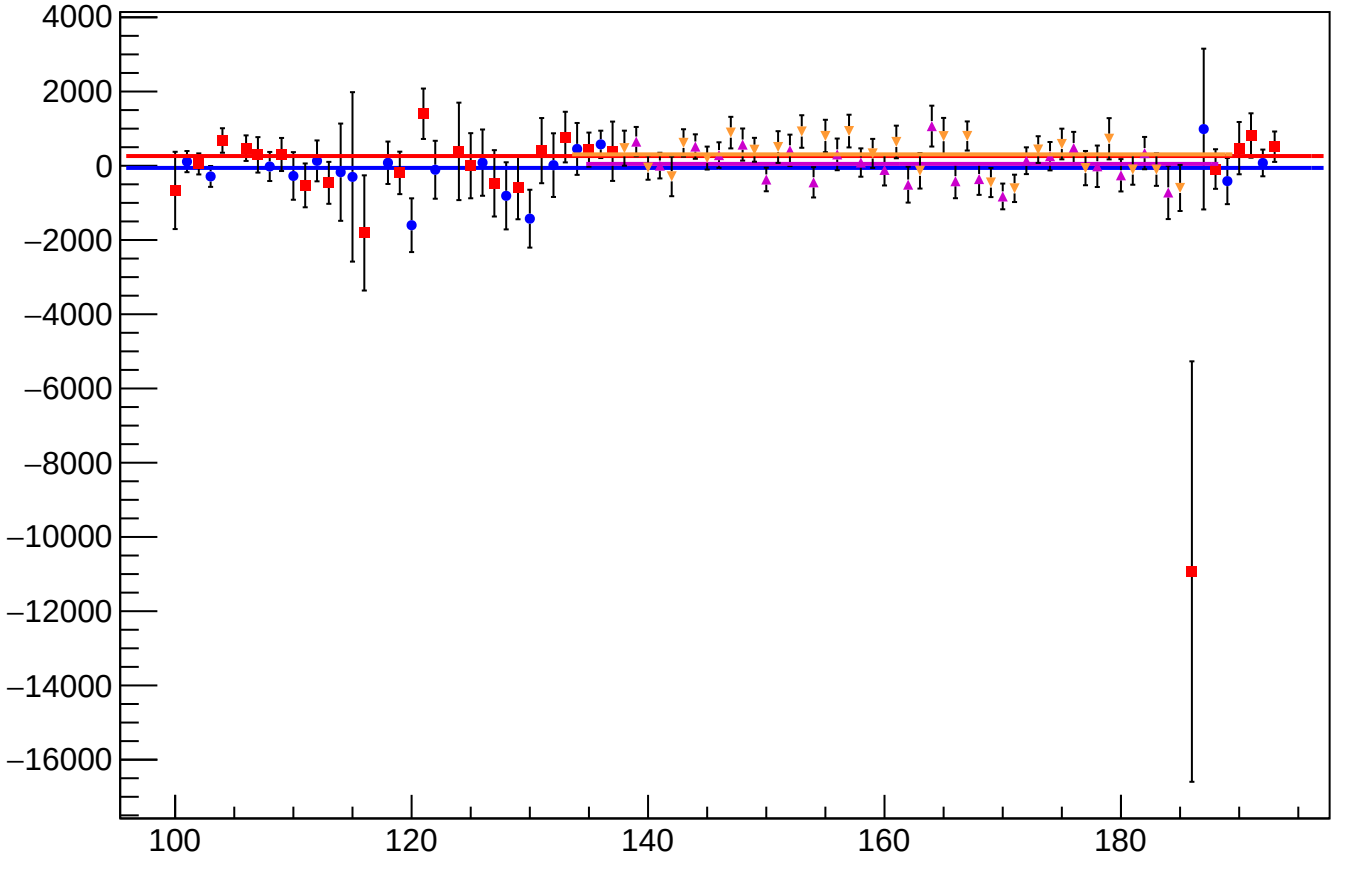
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.851+/-0.008 χ^2/NDF: 840128.6/43

All: 62.929+/-0.006 χ^2/NDF: 2224632.2/90

- sign 63.008+/-0.008 χ^2/NDF: 1384332.0/46

asym_sam_37_48_dd_reg_correction_mean vs Slug



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: 261.831+/-111.362 χ^2/NDF: 20.2/23

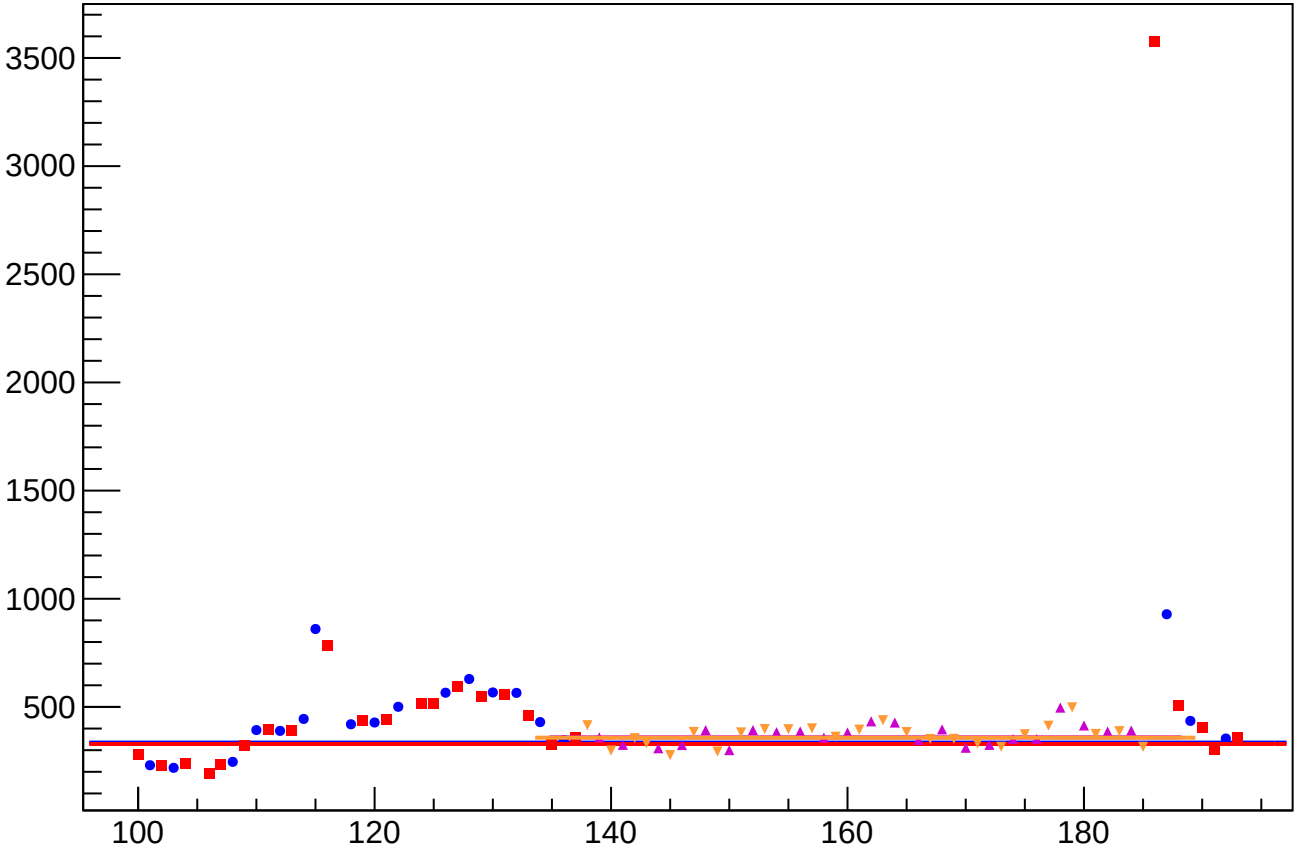
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 189.574+/-67.819 χ^2/NDF: 50.9/43

All: 158.541+/-47.837 χ^2/NDF: 101.1/90

- sign 127.812+/-67.485 χ^2/NDF: 49.8/46

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: 328.634+/-0.079 χ^2/NDF: 2740203.3/23

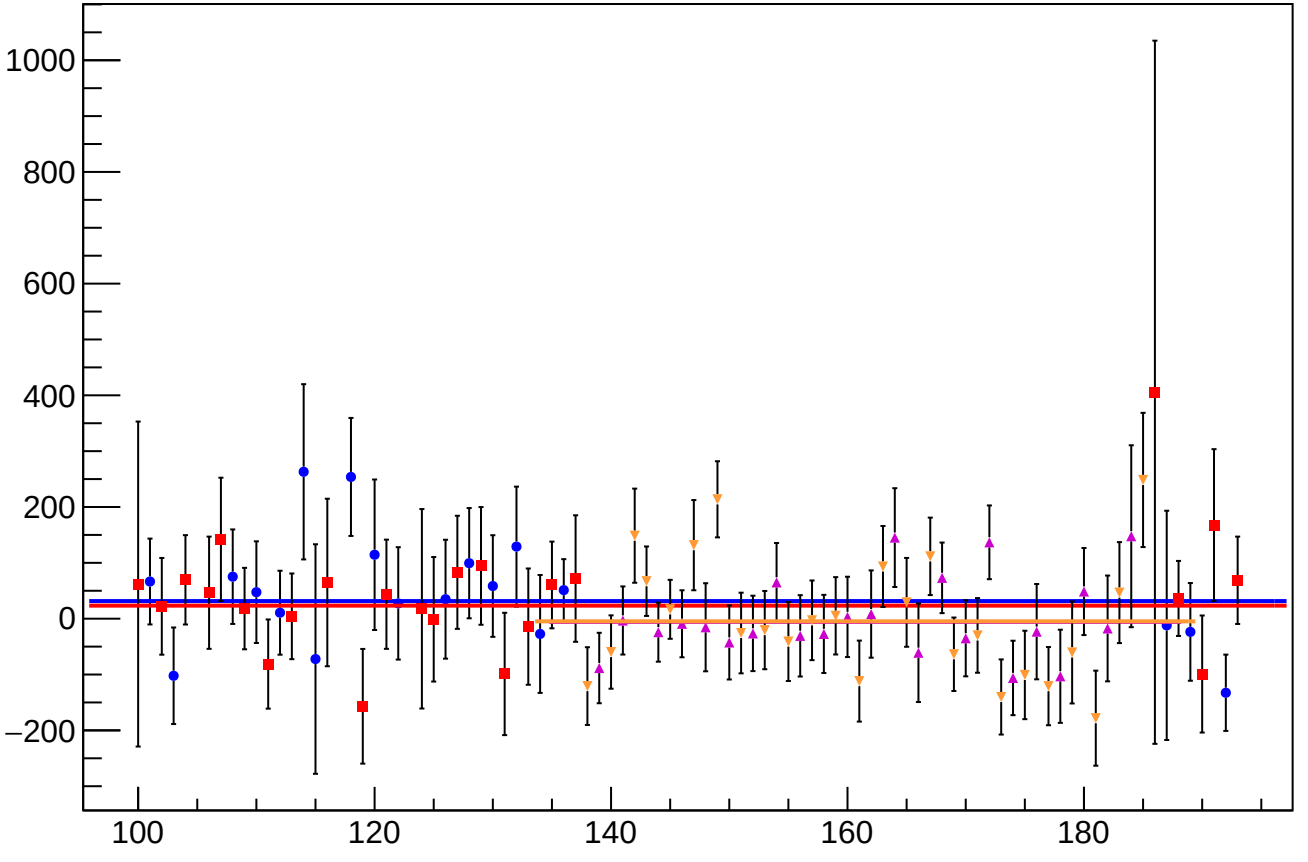
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 350.440+/-0.048 χ^2/NDF: 2683554.2/43

All: 349.249+/-0.034 χ^2/NDF: 6041021.3/90

- sign 348.070+/-0.048 χ^2/NDF: 3356239.6/46

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: 23.377+/-20.029 χ^2/NDF: 12.4/23

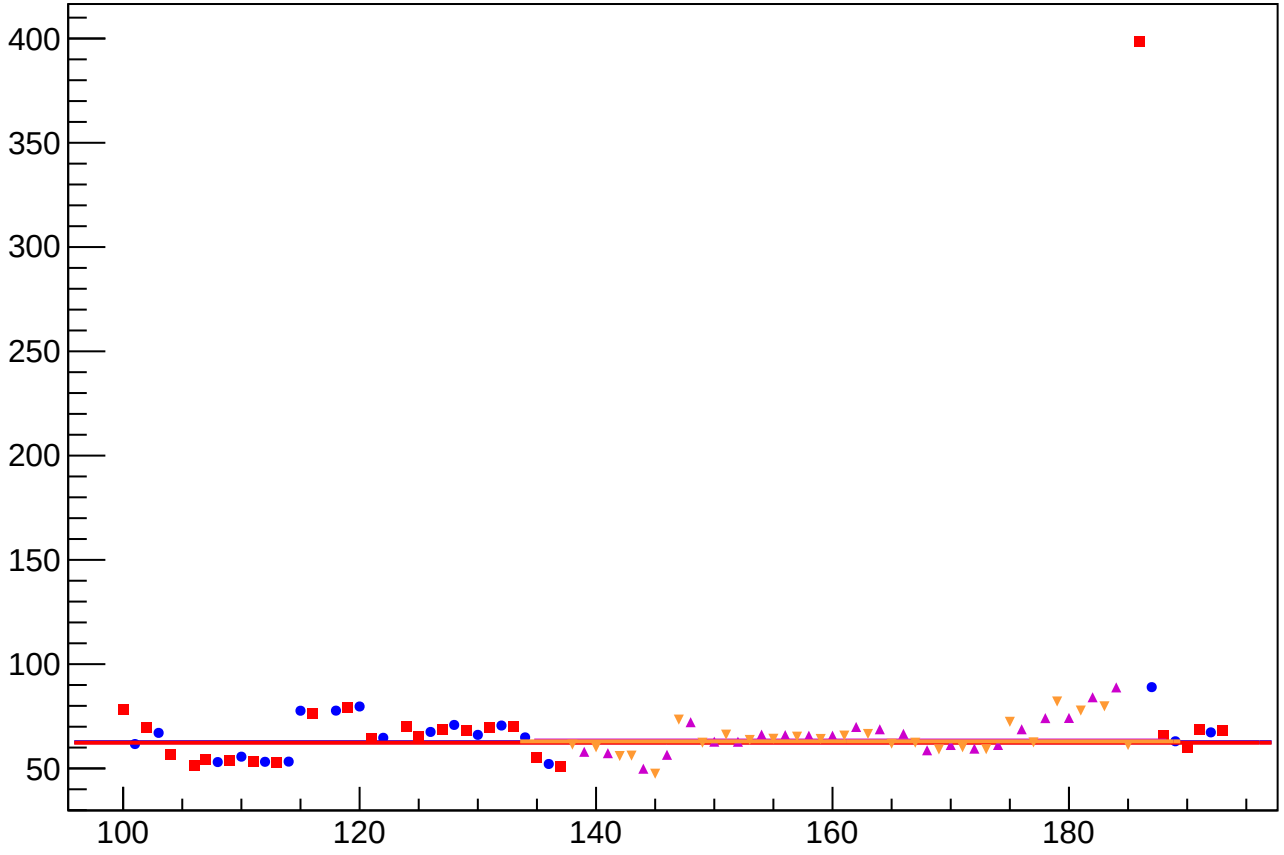
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 6.761+/-11.925 χ^2/NDF: 67.6/43

All: 5.704+/-8.449 χ^2/NDF: 99.7/90

- sign 4.638+/-11.971 χ^2/NDF: 32.1/46

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

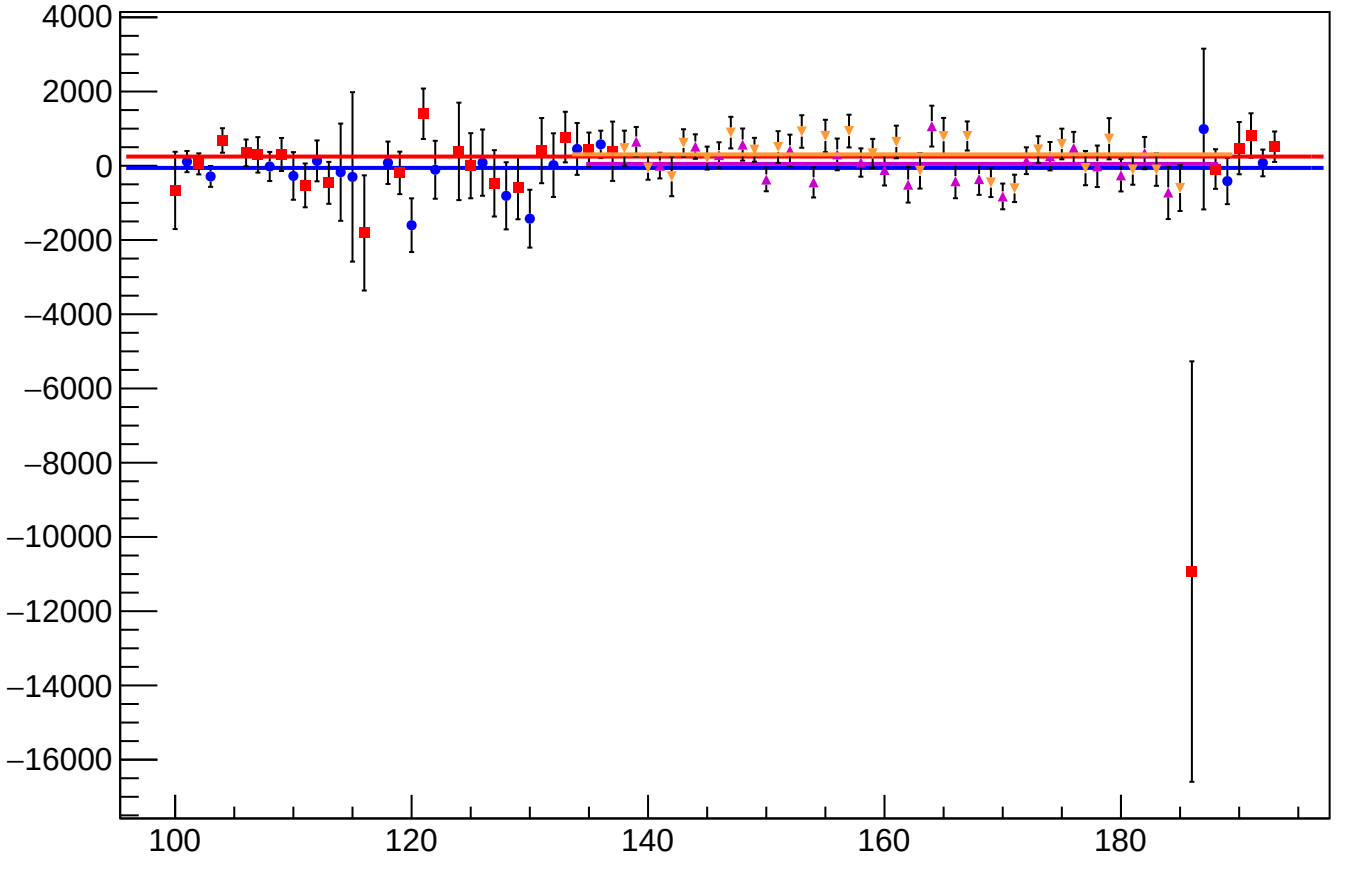
Right Out: 62.334+/-0.014 χ^2/NDF: 888027.4/23

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.851+/-0.008 χ^2/NDF: 840128.8/43

All: 62.924+/-0.006 χ^2/NDF: 2228640.6/90

- sign 62.997+/-0.008 χ^2/NDF: 1388362.8/46



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: 247.911+/-111.883 χ^2/NDF: 19.9/23

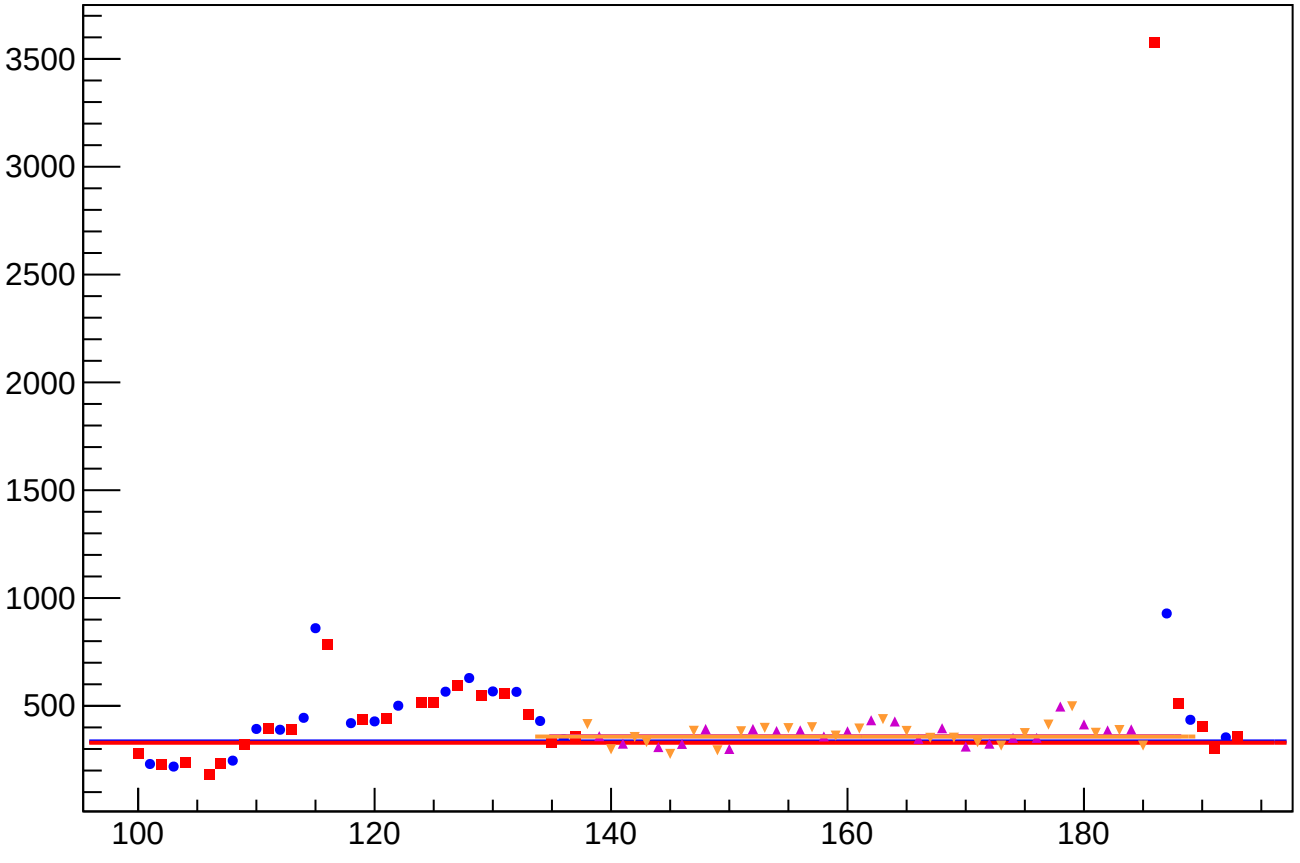
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 189.574+/-67.819 χ^2/NDF: 50.9/43

All: 155.814+/-47.878 χ^2/NDF: 100.5/90

- sign 122.270+/-67.601 χ^2/NDF: 49.1/46

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: 328.930+/-0.079 χ^2/NDF: 2757547.3/23

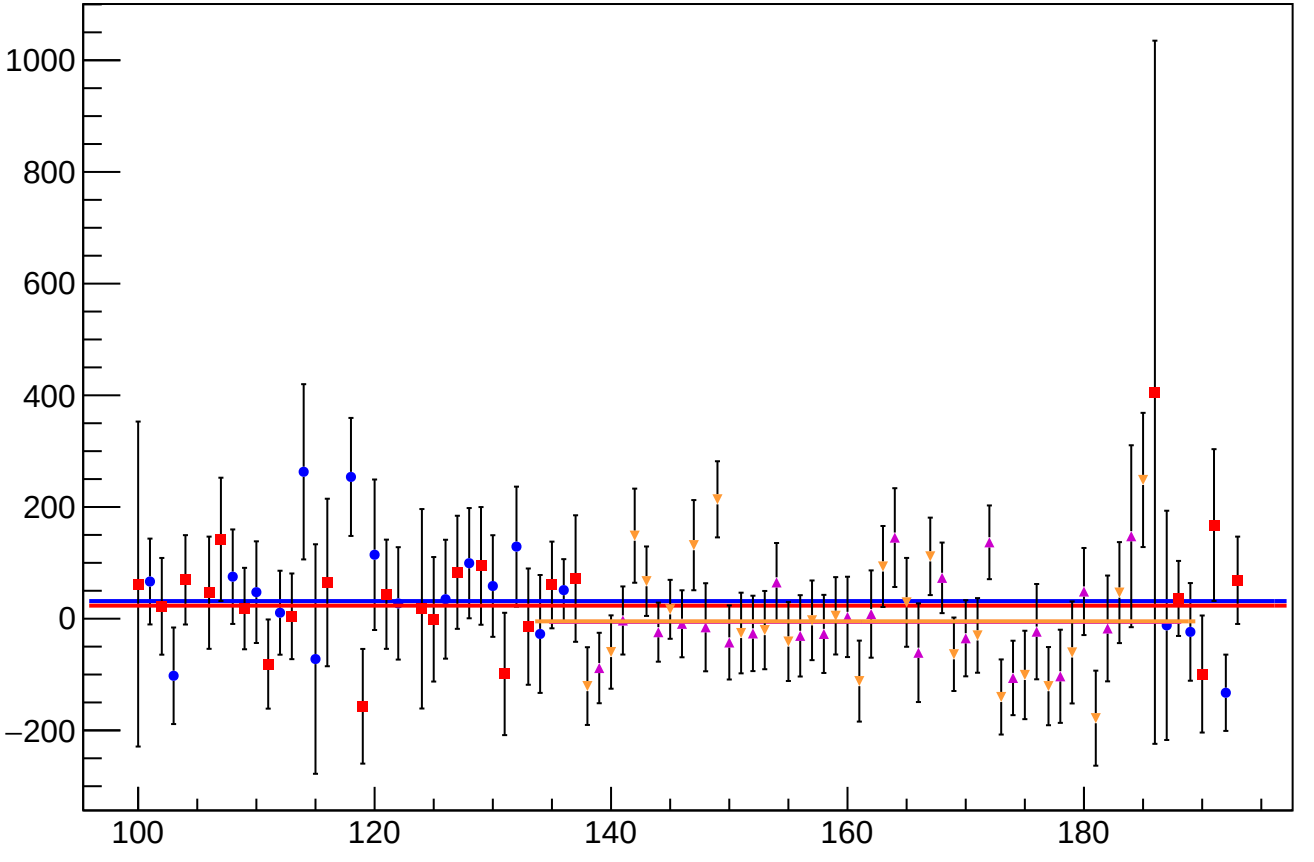
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 350.441+/-0.048 χ^2/NDF: 2683471.8/43

All: 349.339+/-0.034 χ^2/NDF: 6055708.5/90

- sign 348.245+/-0.048 χ^2/NDF: 3371184.3/46

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: 23.377+/-20.029 χ^2/NDF: 12.4/23

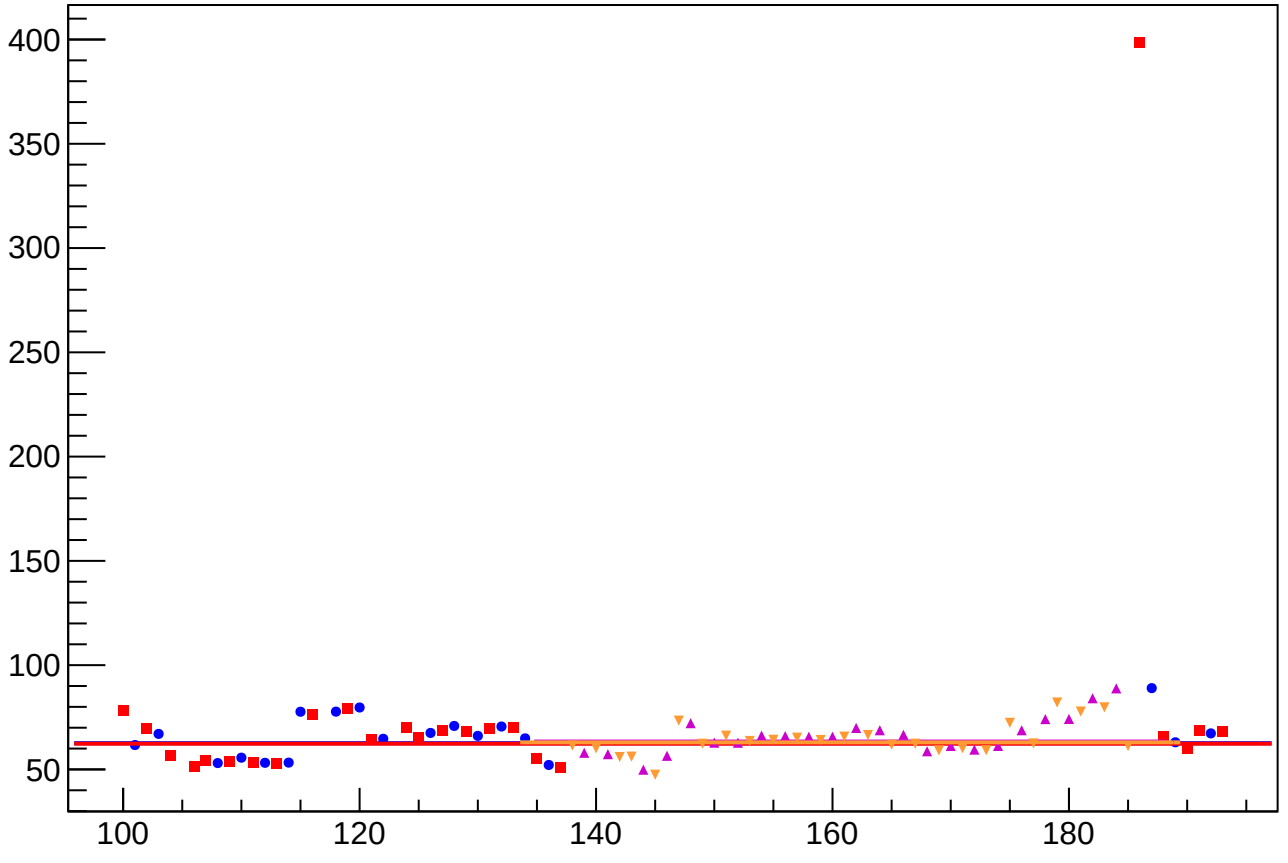
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 6.761+/-11.925 χ^2/NDF: 67.6/43

All: 5.704+/-8.449 χ^2/NDF: 99.7/90

- sign 4.638+/-11.971 χ^2/NDF: 32.1/46

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

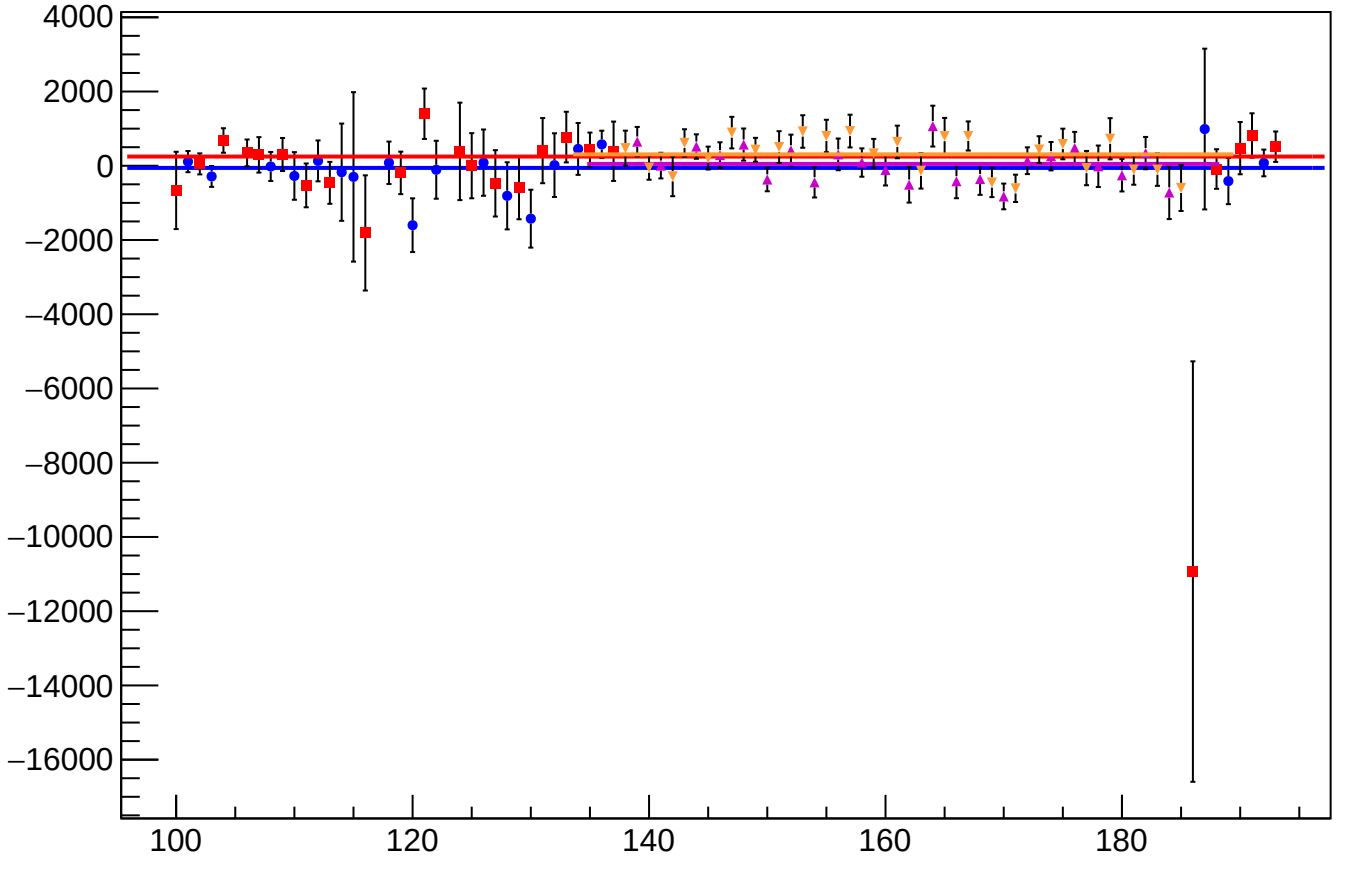
Right Out: 62.334+/-0.014 χ^2/NDF: 888027.4/23

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.851+/-0.008 χ^2/NDF: 840128.8/43

All: 62.924+/-0.006 χ^2/NDF: 2228640.6/90

- sign 62.997+/-0.008 χ^2/NDF: 1388362.8/46



Right In: -58.101+/-119.524 χ^2/NDF: 13.9/18

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

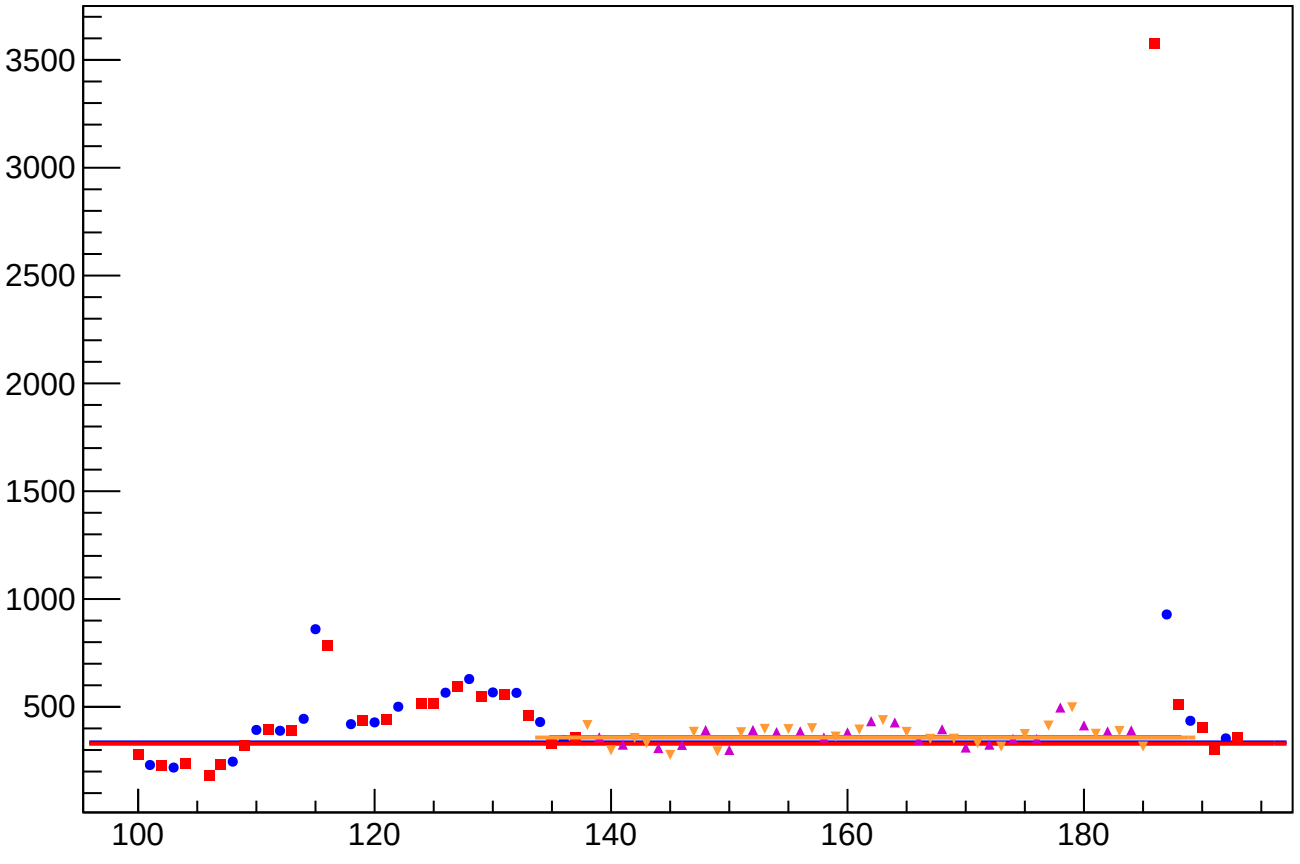
Right Out: 247.911+/-111.883 χ^2/NDF: 19.9/23

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

\+ sign 189.574+/-67.819 χ^2/NDF: 50.9/43

All: 155.814+/-47.878 χ^2/NDF: 100.5/90

\- sign 122.270+/-67.601 χ^2/NDF: 49.1/46



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: 328.930+/-0.079 χ^2/NDF: 2757547.3/23

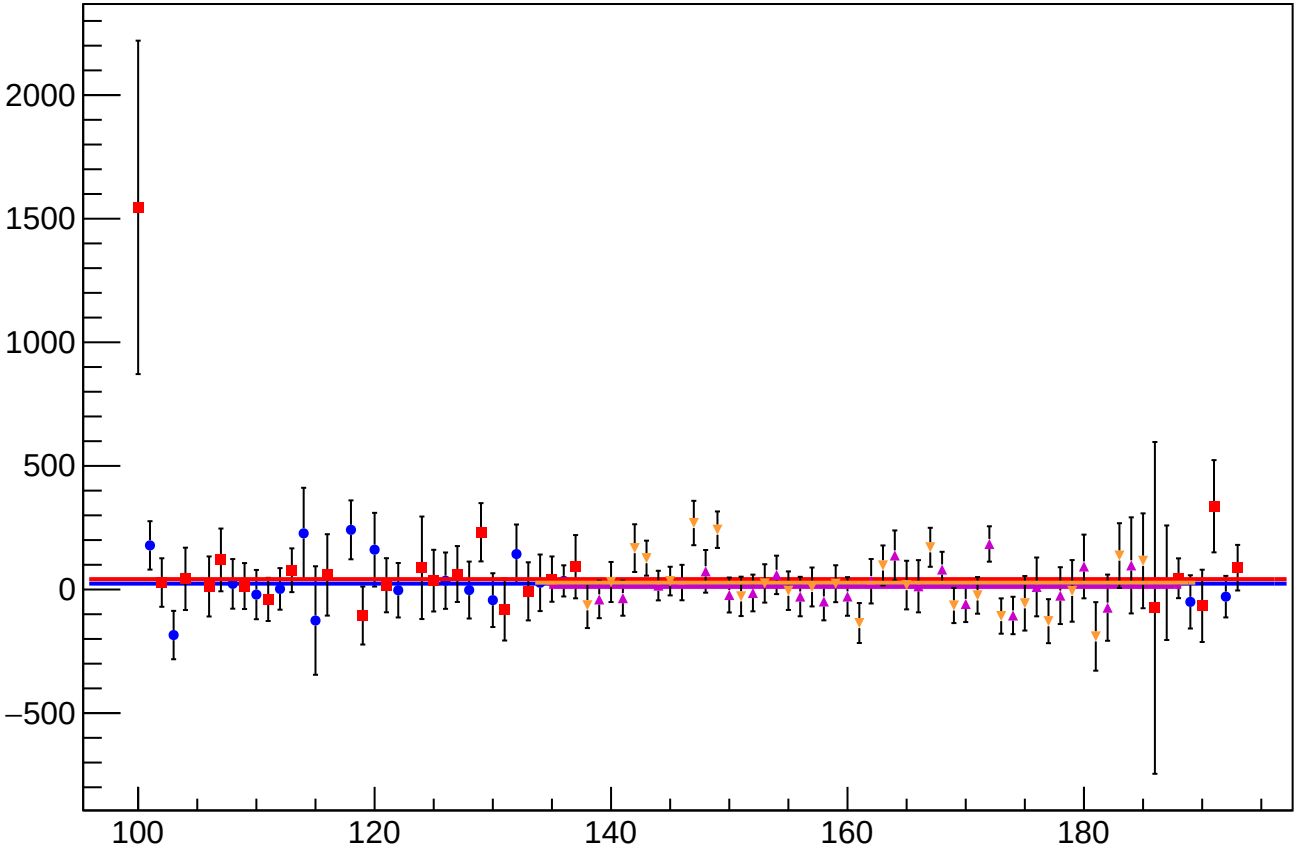
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 350.441+/-0.048 χ^2/NDF: 2683471.8/43

All: 349.339+/-0.034 χ^2/NDF: 6055708.5/90

- sign 348.245+/-0.048 χ^2/NDF: 3371184.3/46

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: 42.011+/-23.770 χ^2/NDF: 15.5/23

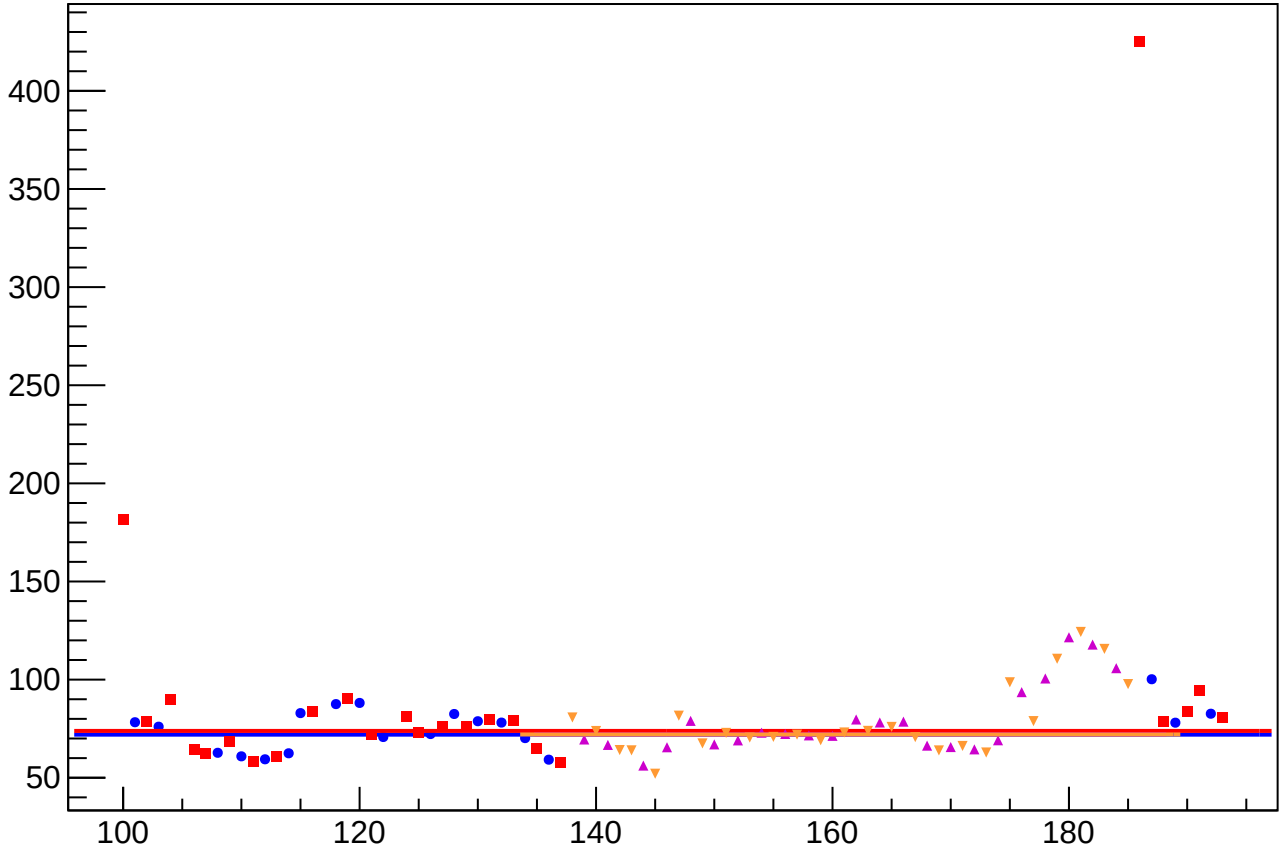
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 26.395+/-13.804 χ^2/NDF: 57.9/43

All: 23.905+/-9.811 χ^2/NDF: 90.7/90

- sign 21.363+/-13.948 χ^2/NDF: 32.7/46

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

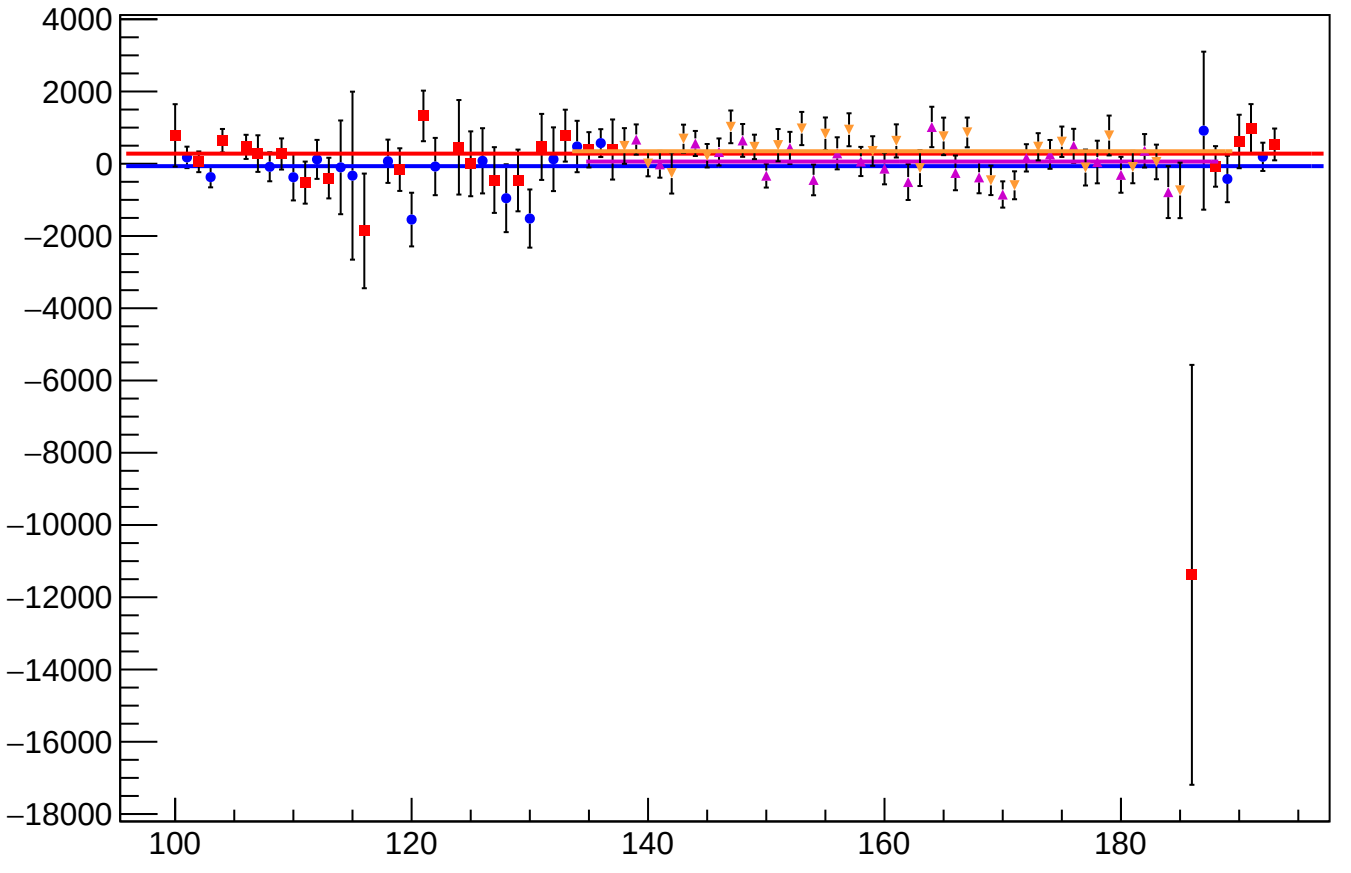
Right Out: 73.861+/-0.017 χ^2/NDF: 940603.1/23

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.014+/-0.010 χ^2/NDF: 1616351.0/43

All: 72.354+/-0.007 χ^2/NDF: 3625523.0/90

- sign 72.701+/-0.010 χ^2/NDF: 2006721.3/46



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: 279.612+/-113.162 χ^2/NDF: 18.5/23

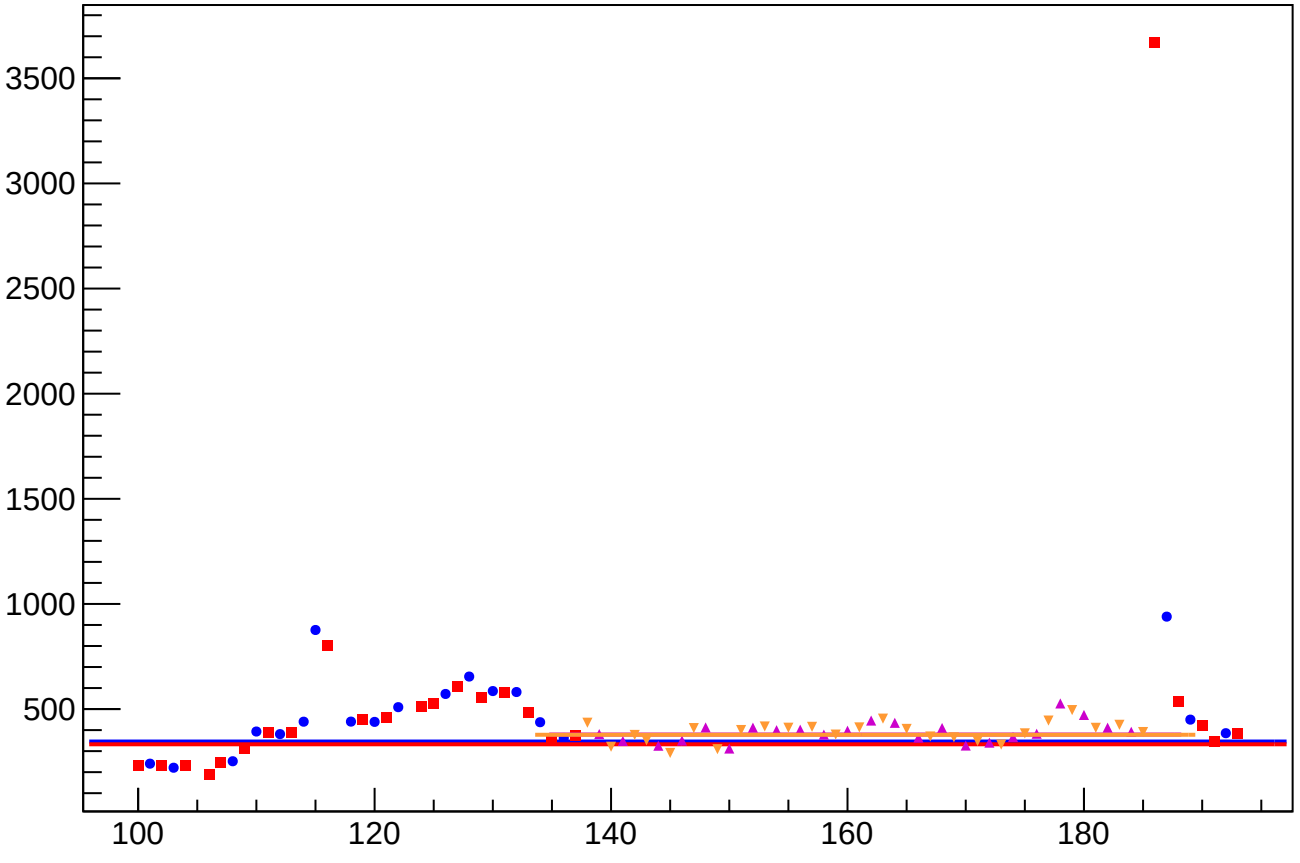
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

\+ sign 209.075+/-70.985 χ^2/NDF: 51.1/43

All: 176.332+/-49.898 χ^2/NDF: 98.2/90

\- sign 144.350+/-70.155 χ^2/NDF: 46.7/46

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: 332.526+/-0.080 χ^2/NDF: 2936970.0/23

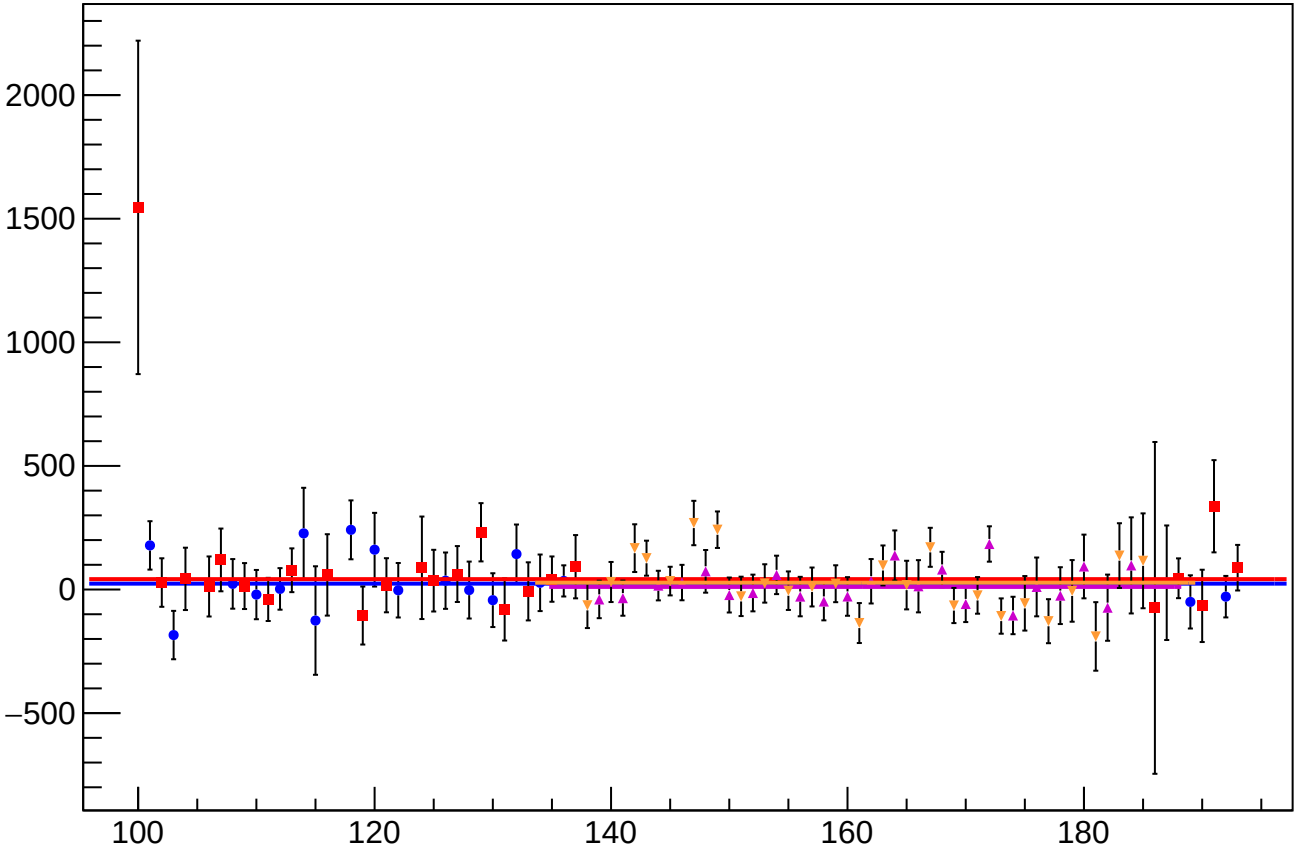
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 367.138+/-0.050 χ^2/NDF: 2693107.6/43

All: 364.062+/-0.035 χ^2/NDF: 6371690.1/90

- sign 361.058+/-0.050 χ^2/NDF: 3671159.4/46

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: 42.011+/-23.770 χ^2/NDF: 15.5/23

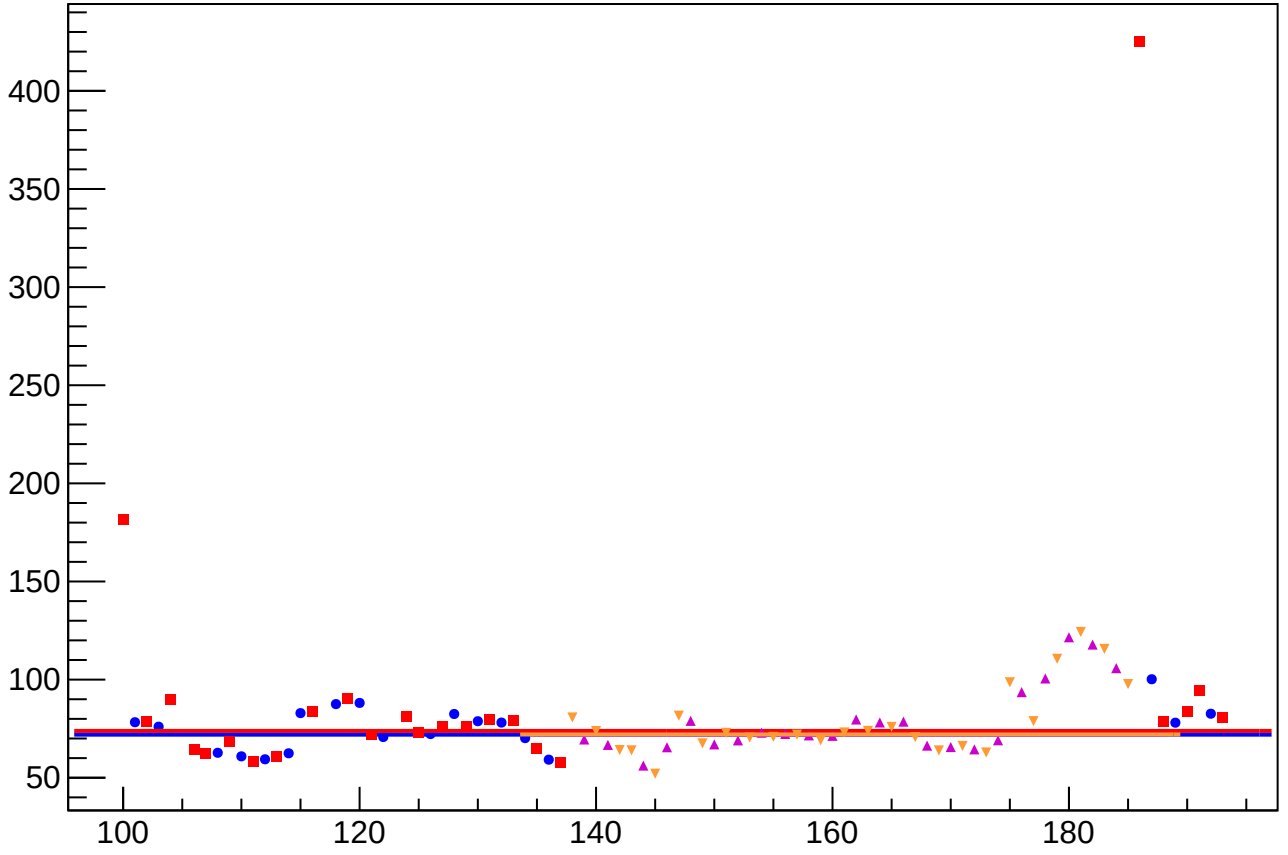
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 26.394+/-13.804 χ^2/NDF: 57.9/43

All: 23.905+/-9.811 χ^2/NDF: 90.7/90

- sign 21.363+/-13.948 χ^2/NDF: 32.7/46

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

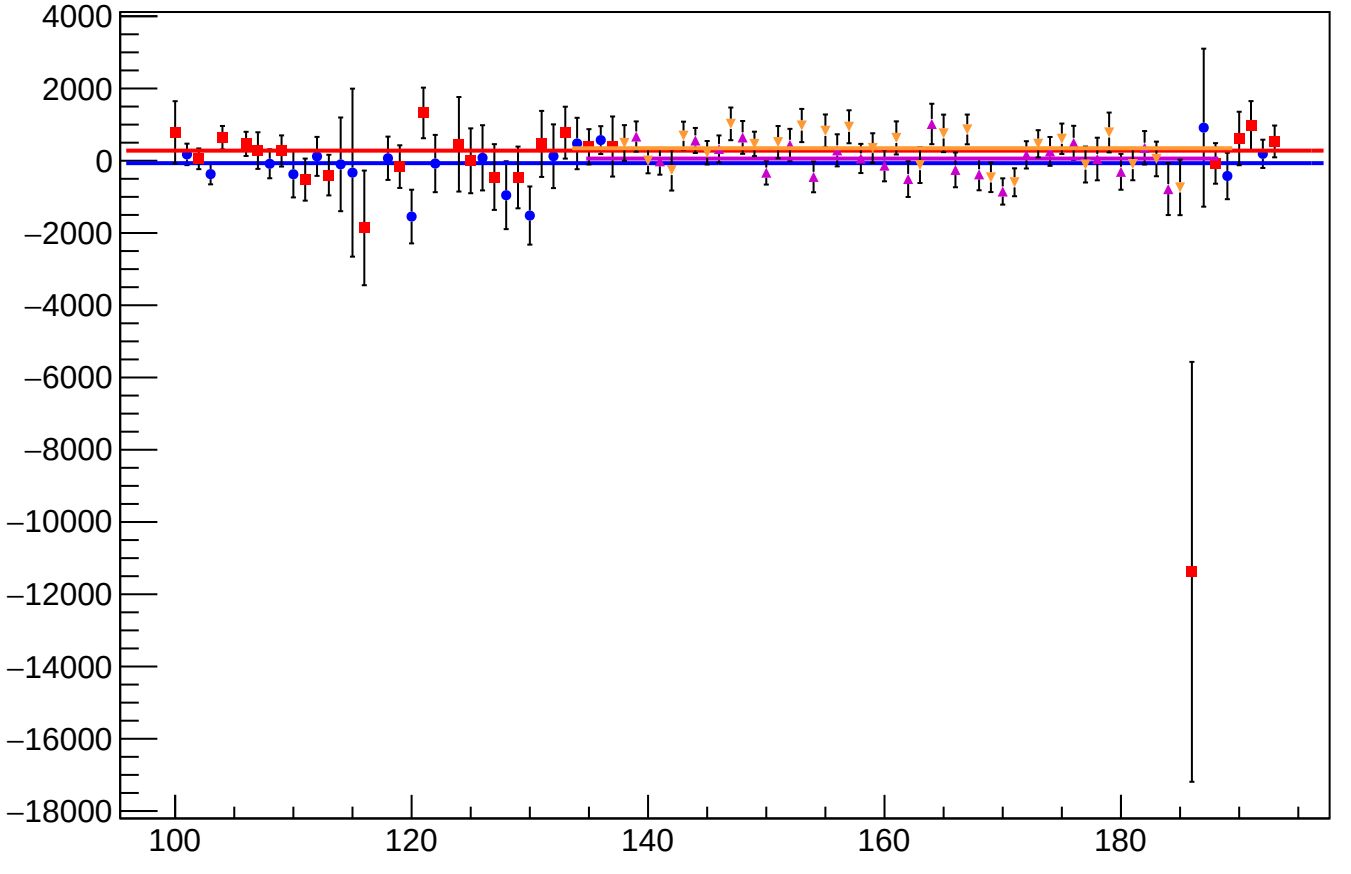
Right Out: 73.861+/-0.017 χ^2/NDF: 940598.5/23

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.014+/-0.010 χ^2/NDF: 1616354.0/43

All: 72.354+/-0.007 χ^2/NDF: 3625510.9/90

- sign 72.701+/-0.010 χ^2/NDF: 2006706.5/46



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: 279.612+/-113.162 χ^2/NDF: 18.5/23

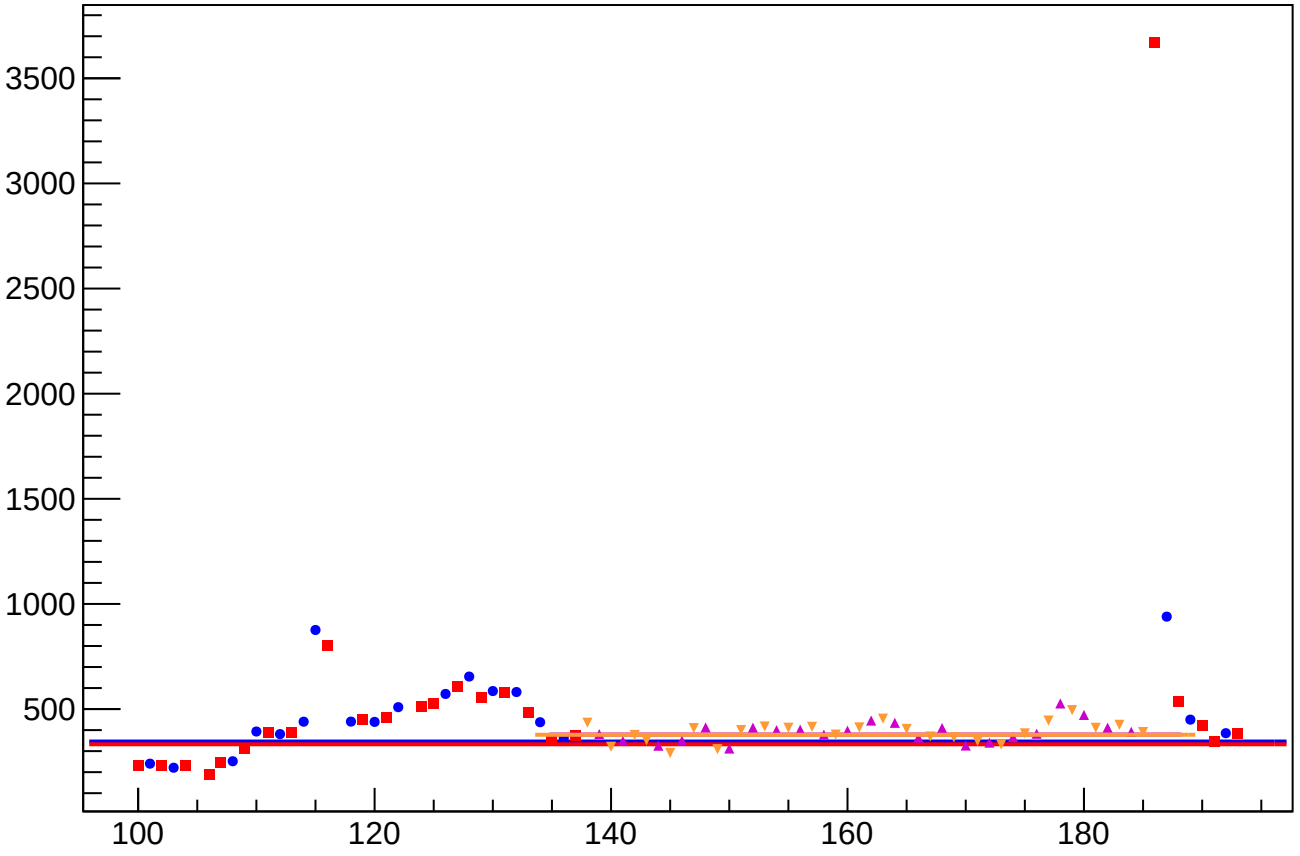
Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 209.074+/-70.985 χ^2/NDF: 51.1/43

All: 176.332+/-49.898 χ^2/NDF: 98.2/90

- sign 144.350+/-70.155 χ^2/NDF: 46.7/46

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



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: 332.526+/-0.080 χ^2/NDF: 2936958.1/23

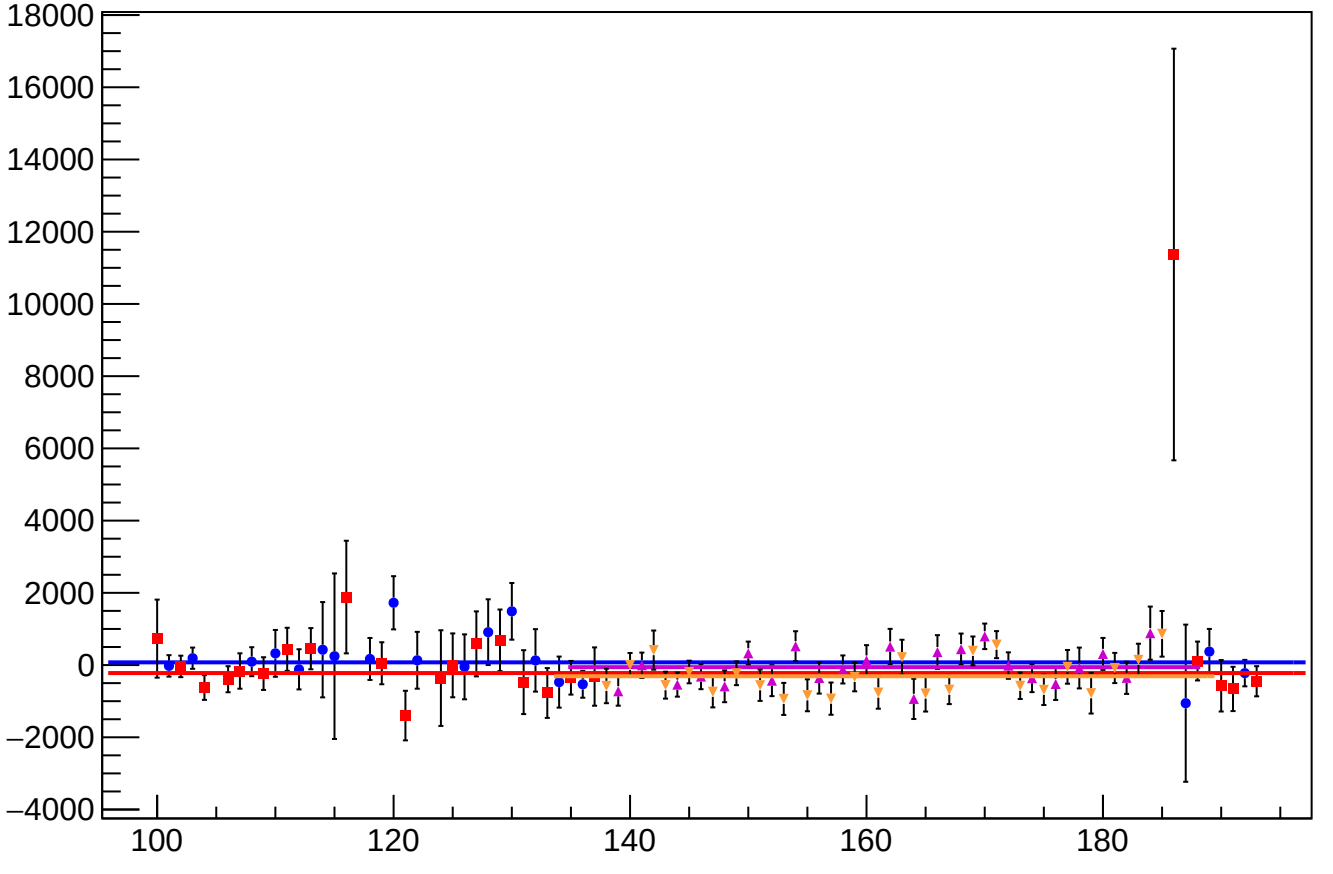
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 367.138+/-0.050 χ^2/NDF: 2693100.4/43

All: 364.062+/-0.035 χ^2/NDF: 6371667.4/90

- sign 361.057+/-0.050 χ^2/NDF: 3671143.8/46

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: -221.179+/-114.227 χ^2/NDF: 18.8/23

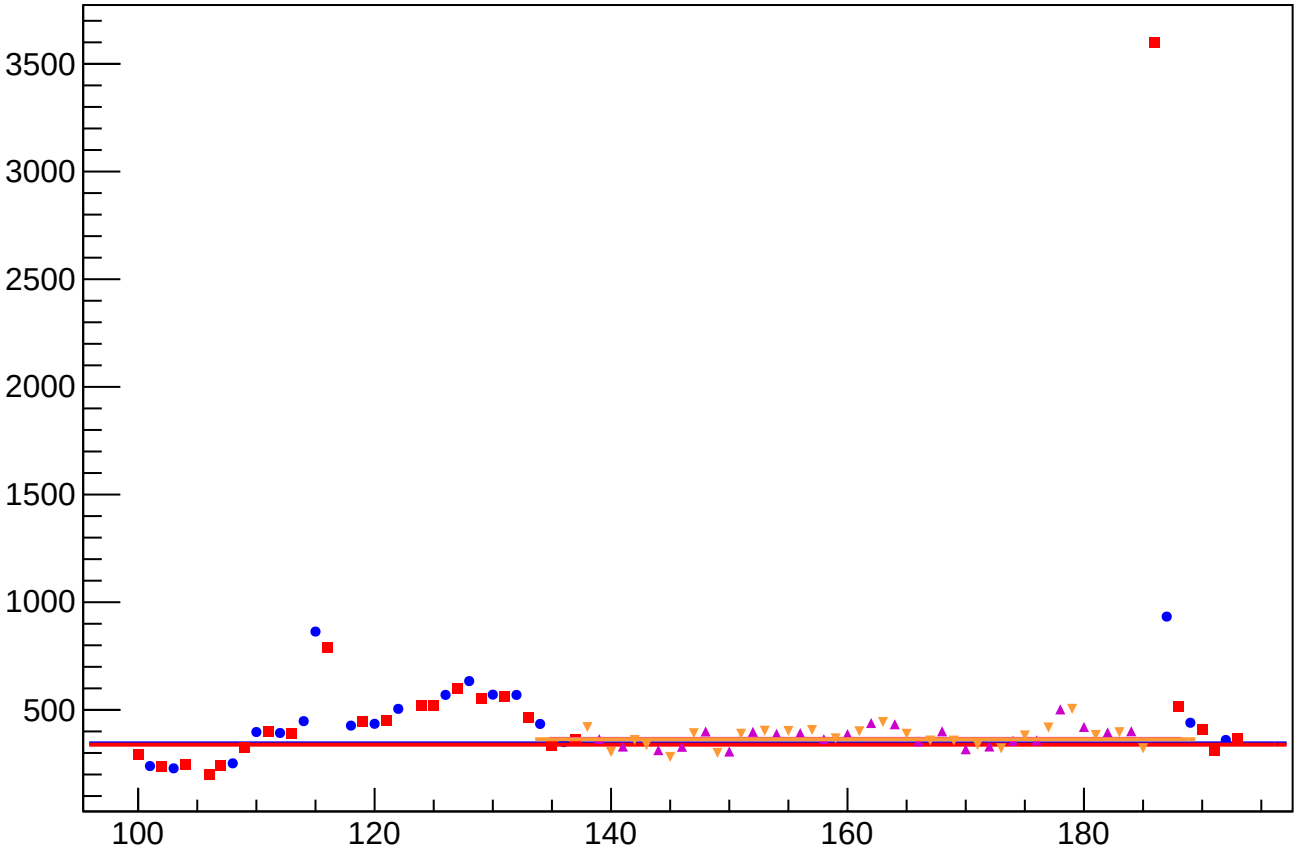
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -186.883+/-69.103 χ^2/NDF: 50.9/43

All: -151.767+/-48.763 χ^2/NDF: 99.4/90

- sign -116.940+/-68.819 χ^2/NDF: 48.1/46

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

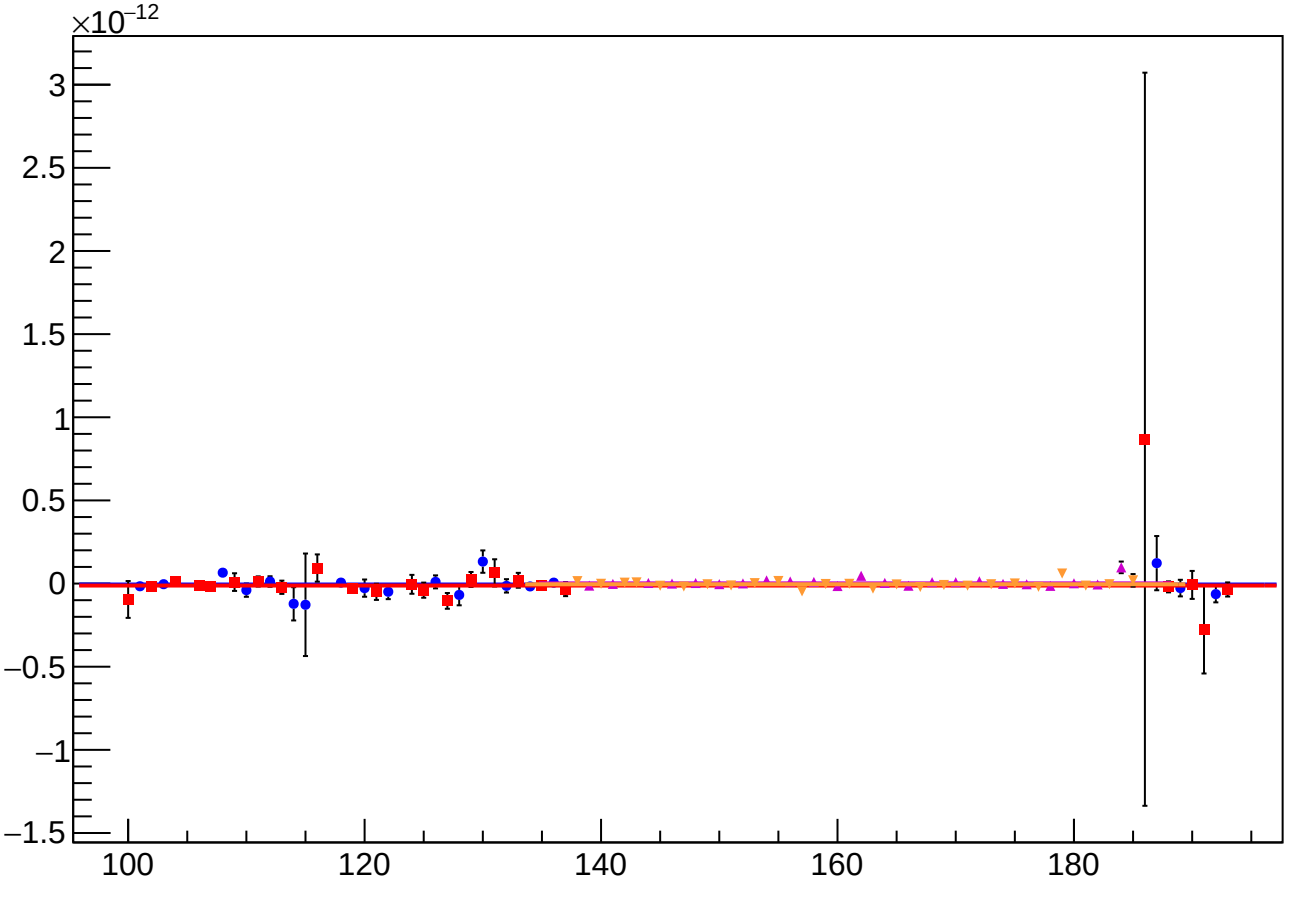
Right Out: 338.566+/-0.081 χ^2/NDF: 2590829.3/23

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 357.646+/-0.049 χ^2/NDF: 2525891.4/43

All: 356.624+/-0.034 χ^2/NDF: 5696998.2/90

- sign 355.611+/-0.049 χ^2/NDF: 3170236.8/46



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: 13.9/23

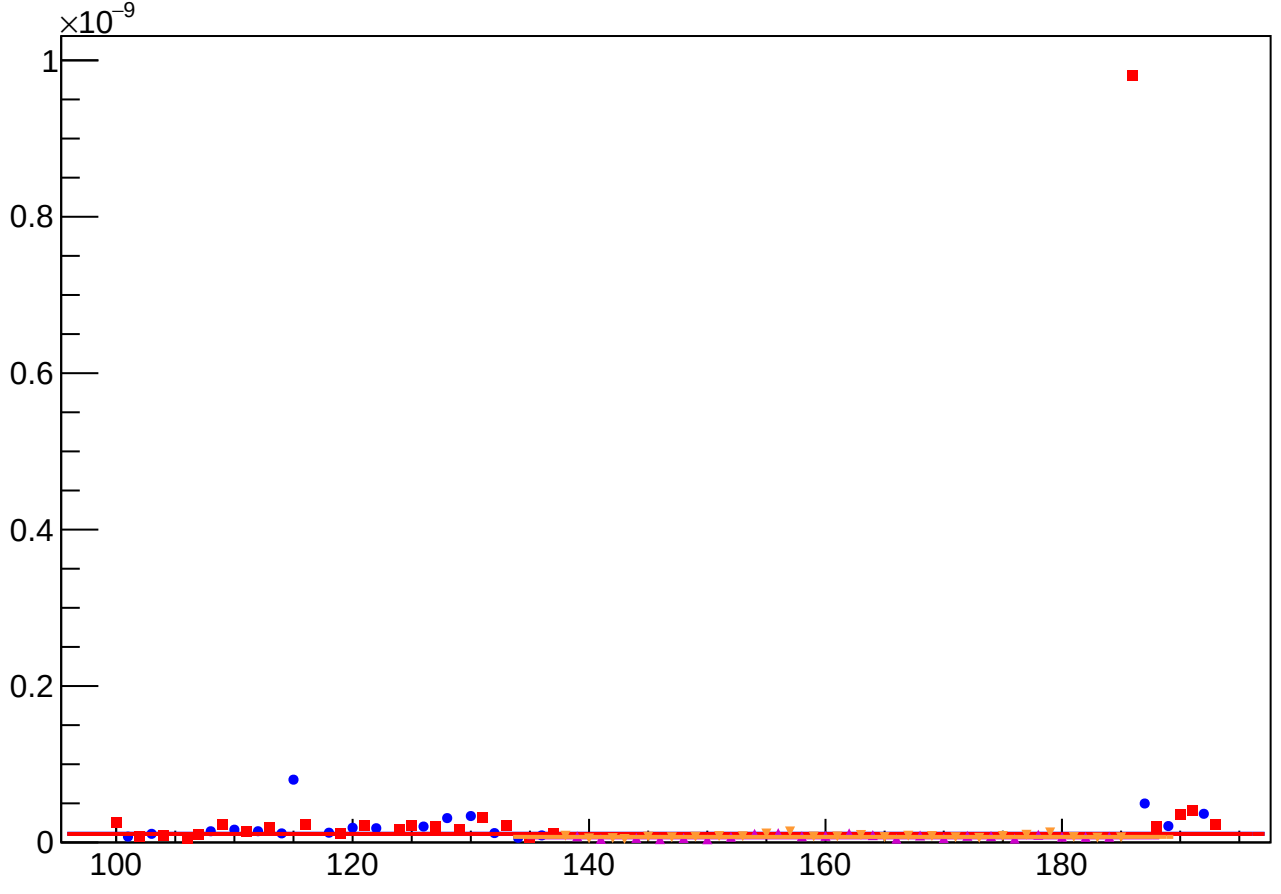
Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.6/43

All: -0.000+/-0.000 χ^2/NDF: 81.2/90

- sign -0.000+/-0.000 χ^2/NDF: 39.5/46

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: 2396961.2/23

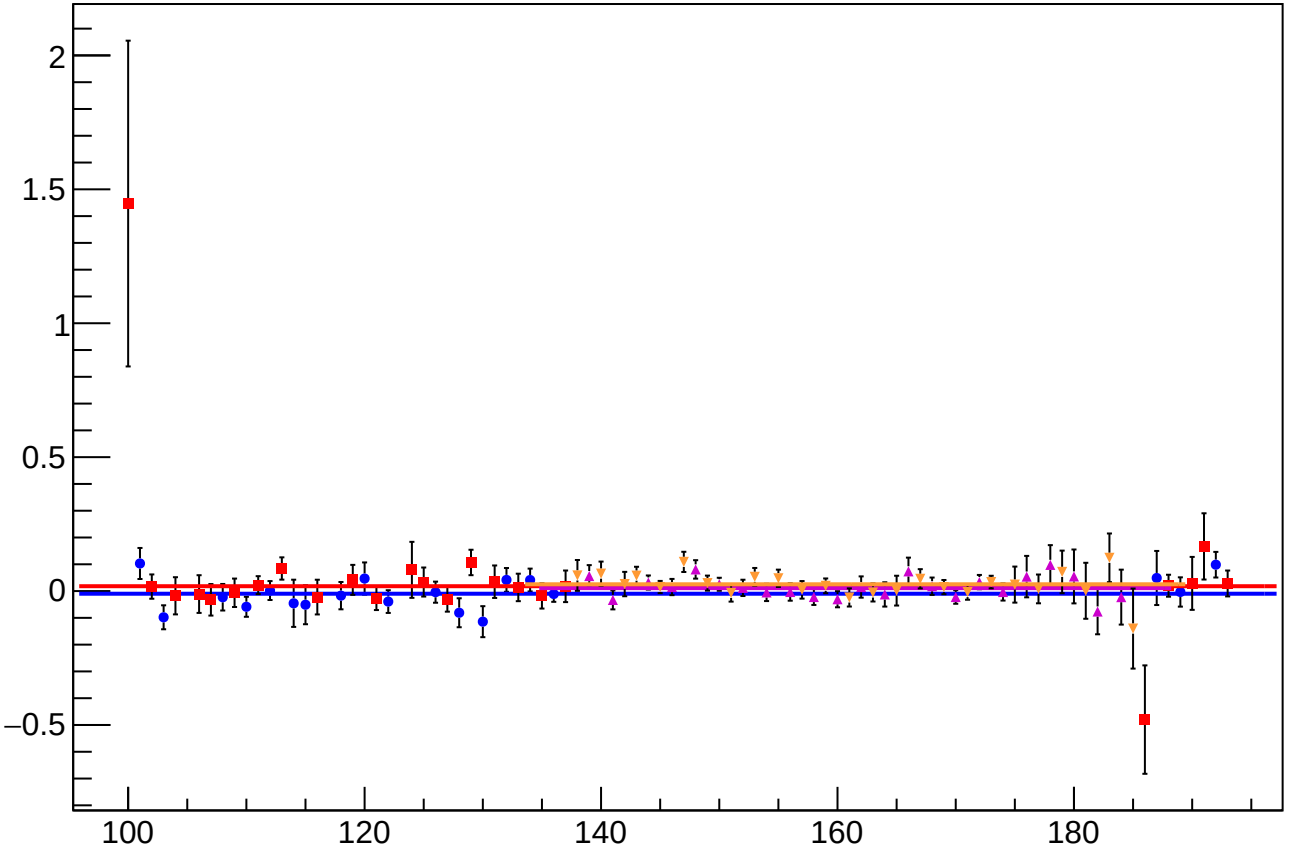
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

\+ sign 0.000+/-0.000 χ^2/NDF: 3470981.6/43

All: 0.000+/-0.000 χ^2/NDF: 7994181.8/90

\- sign 0.000+/-0.000 χ^2/NDF: 4465481.2/46

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: 24.4/23

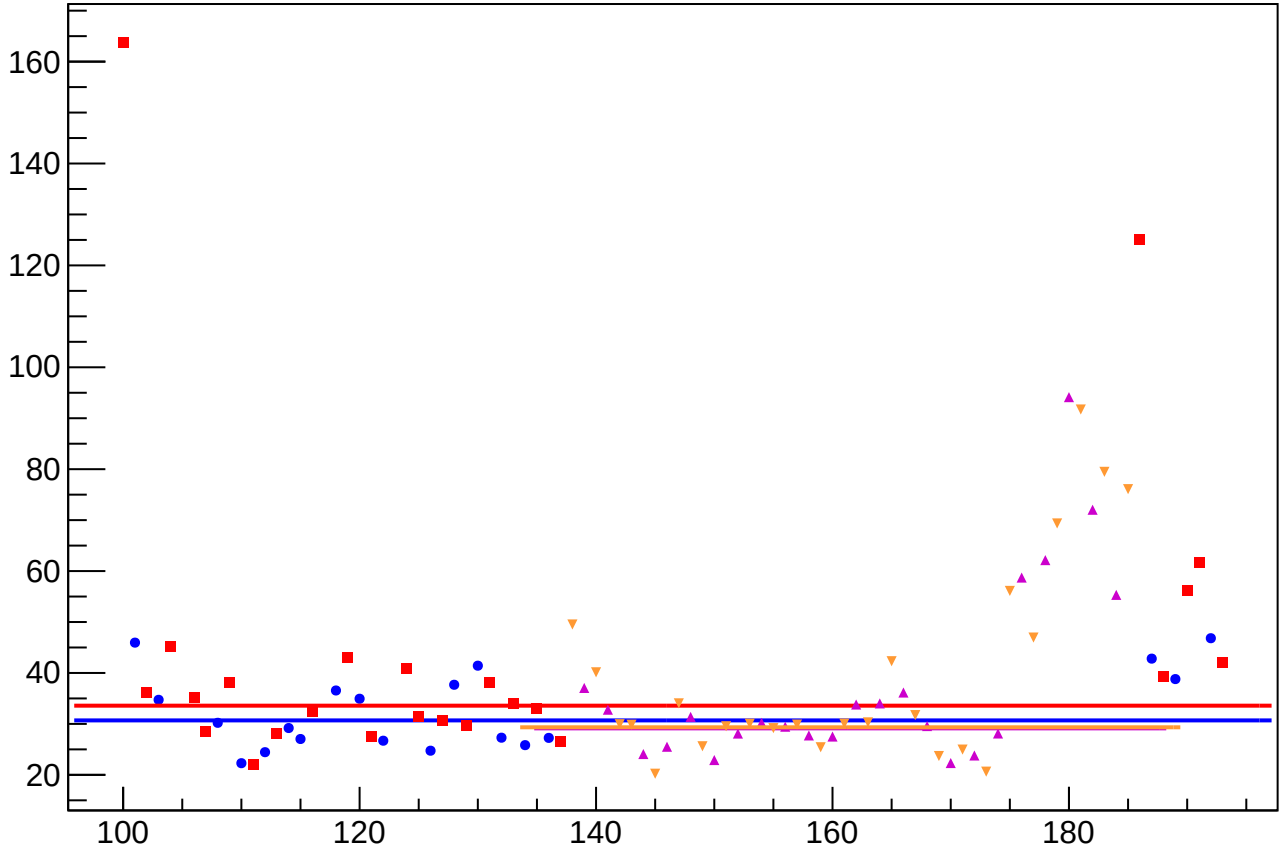
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.014+/-0.006 χ^2/NDF: 49.6/43

All: 0.014+/-0.004 χ^2/NDF: 93.3/90

- sign 0.013+/-0.006 χ^2/NDF: 43.7/46

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

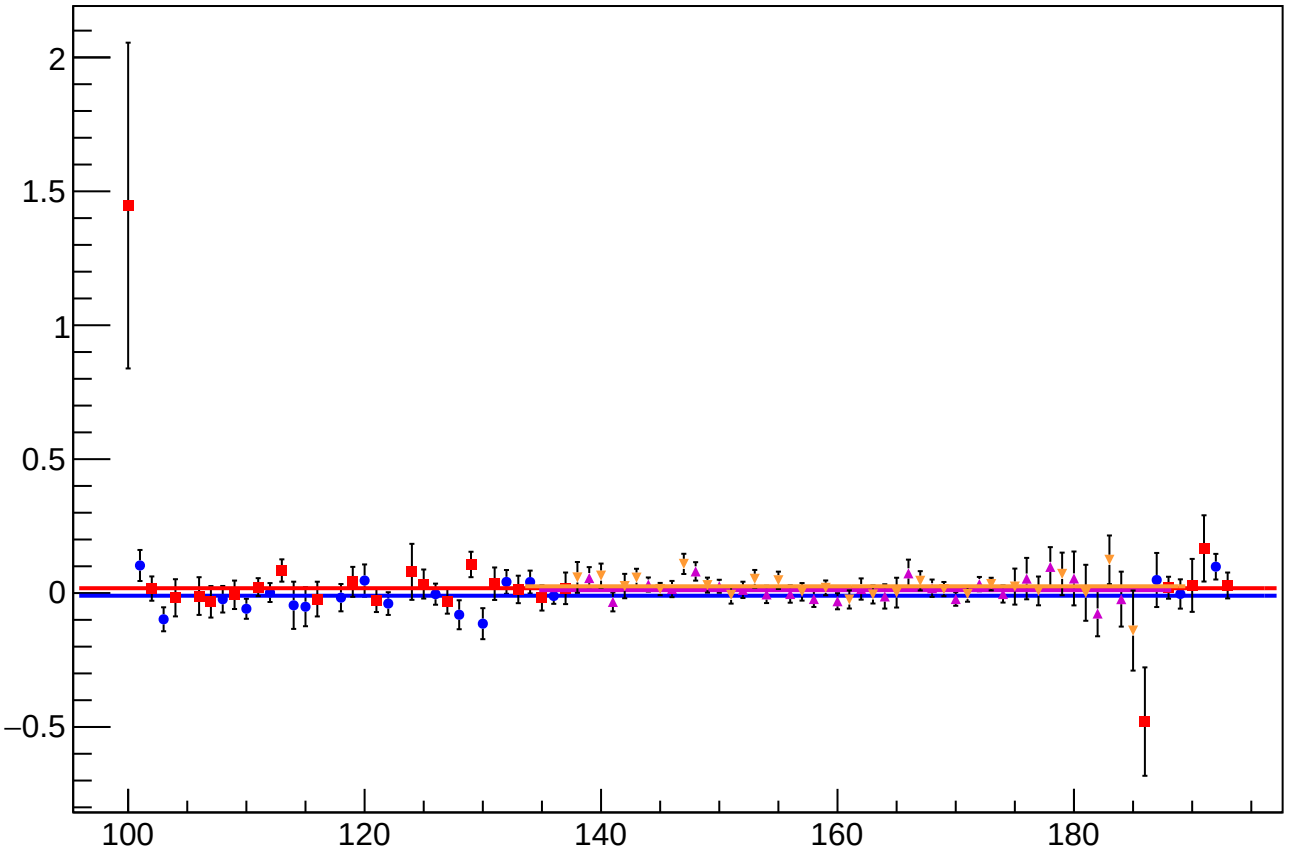
Right Out: 33.579+/-0.008 χ^2/NDF: 1341866.0/23

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

\+ sign 29.752+/-0.004 χ^2/NDF: 4788585.7/43

All: 30.098+/-0.003 χ^2/NDF: 9206967.6/90

\- sign 30.461+/-0.004 χ^2/NDF: 4404592.2/46



Right In: -0.010+/-0.011 χ^2/NDF: 24.7/18

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

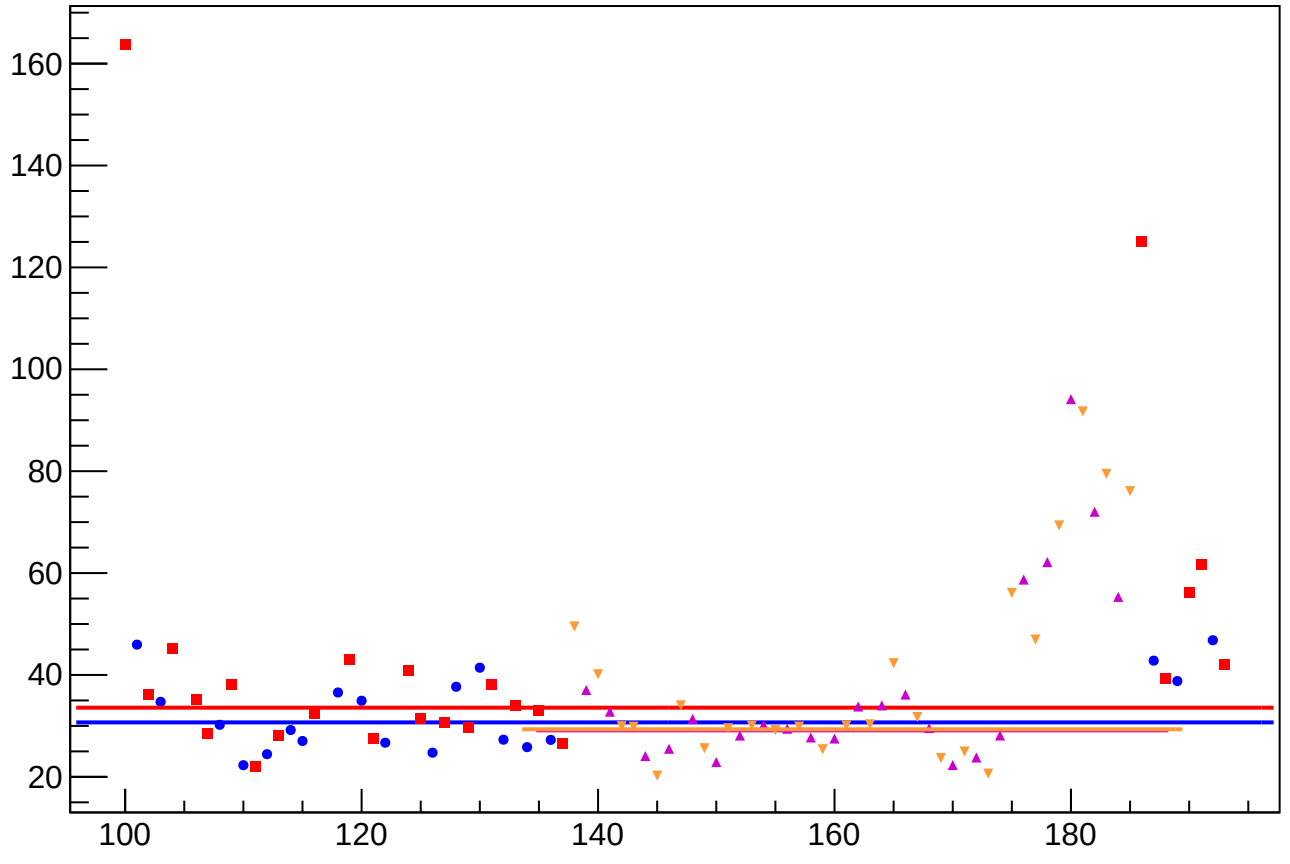
Right Out: 0.018+/-0.011 χ^2/NDF: 24.4/23

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: 93.3/90

- sign 0.013+/-0.006 χ^2/NDF: 43.7/46



Right In: 30.688+/-0.008 χ^2/NDF: 891904.5/18

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

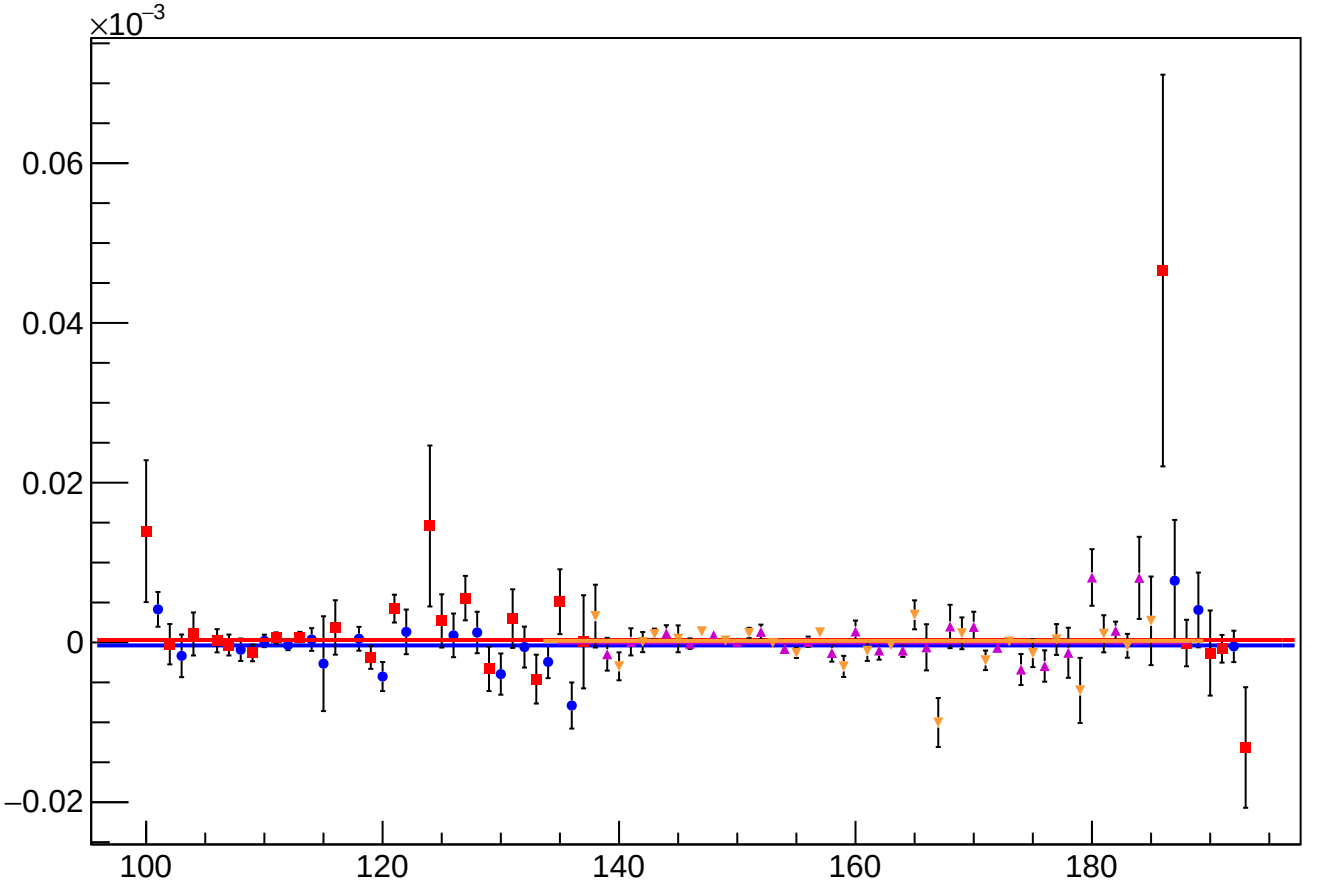
Right Out: 33.579+/-0.008 χ^2/NDF: 1341866.0/23

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.752+/-0.004 χ^2/NDF: 4788585.7/43

All: 30.098+/-0.003 χ^2/NDF: 9206967.6/90

- sign 30.461+/-0.004 χ^2/NDF: 4404592.2/46



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: 32.6/23

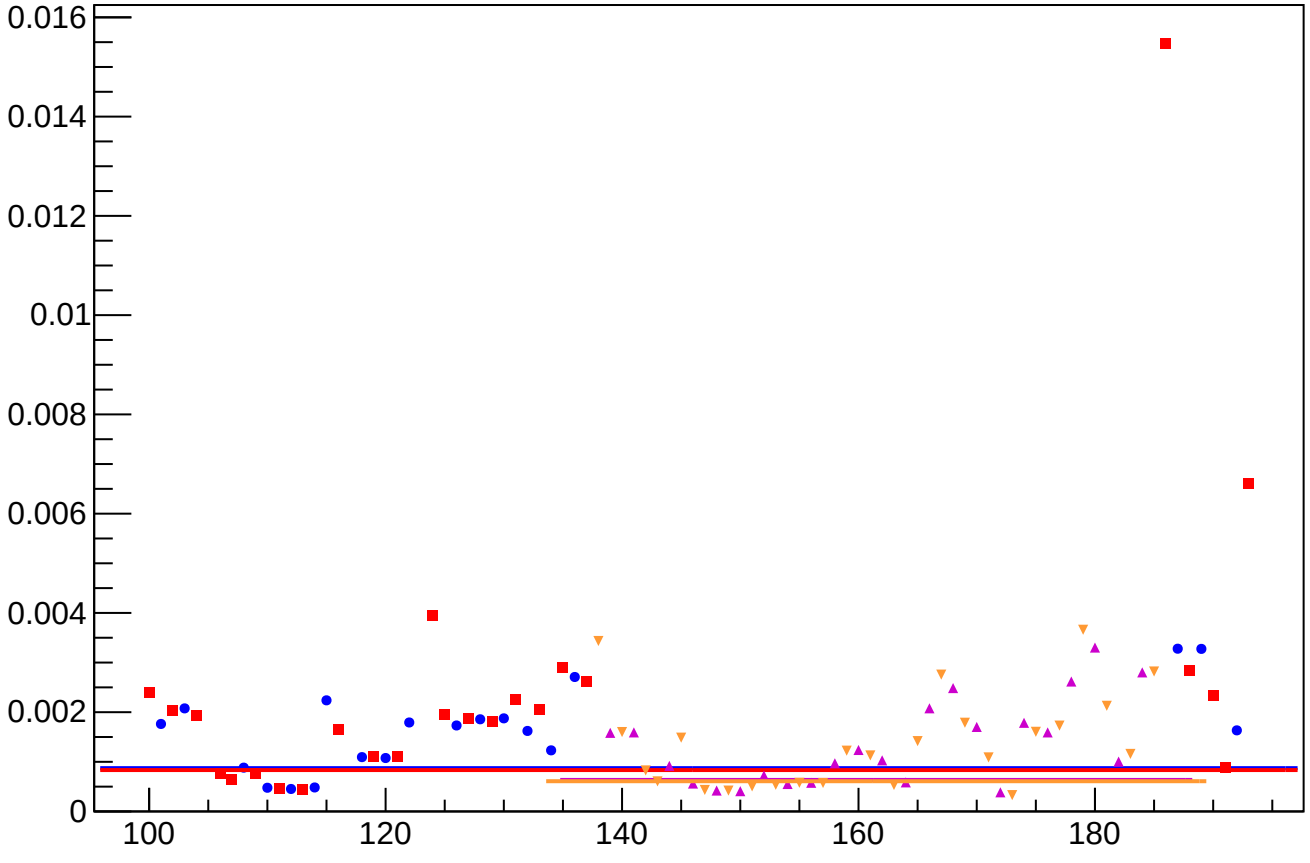
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.9/43

All: 0.000+/-0.000 χ^2/NDF: 144.1/90

- sign 0.000+/-0.000 χ^2/NDF: 66.1/46

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

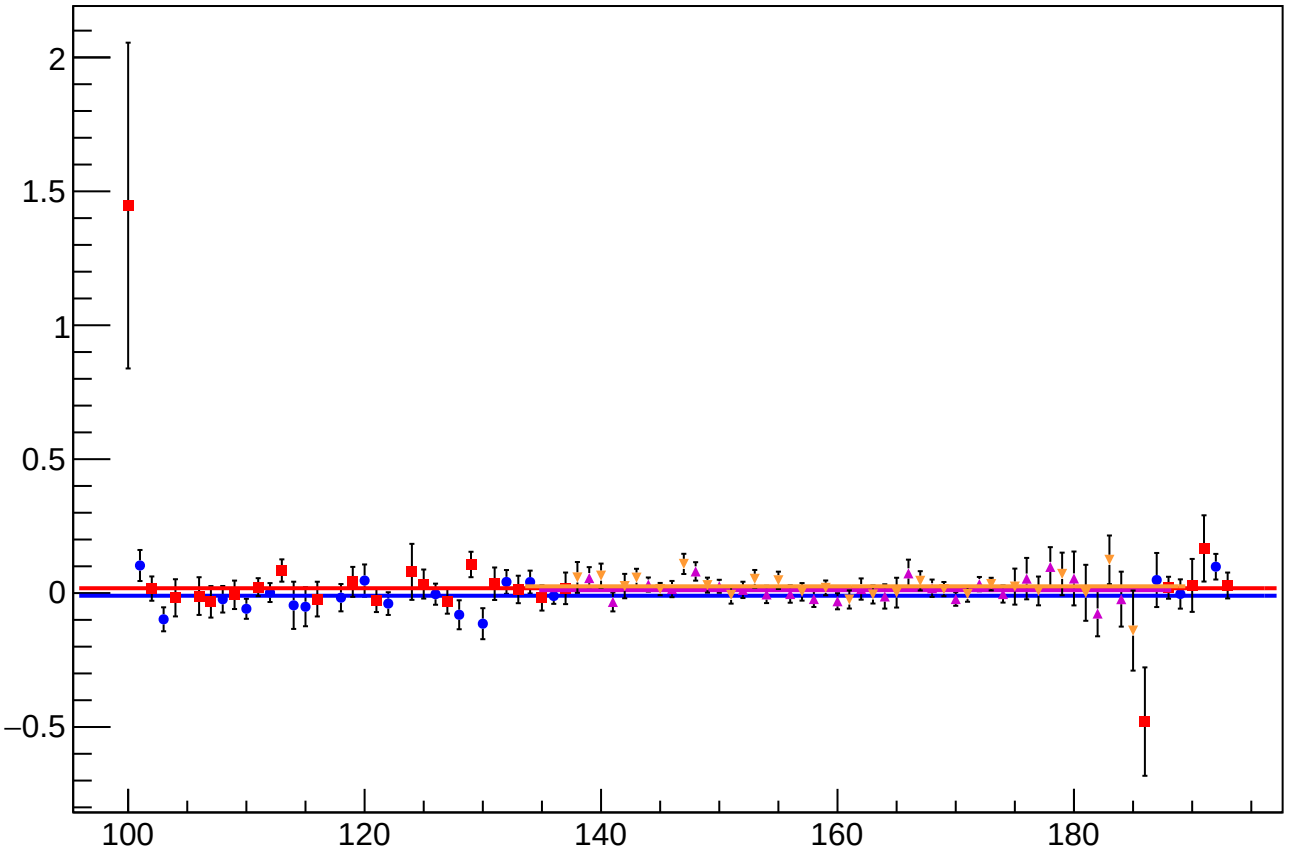
Right Out: 0.001+/-0.000 χ^2/NDF: 7678551.0/23

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: 34956261.1/90

- sign 0.001+/-0.000 χ^2/NDF: 17592645.9/46



Right In: -0.010+/-0.011 χ^2/NDF: 24.7/18

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

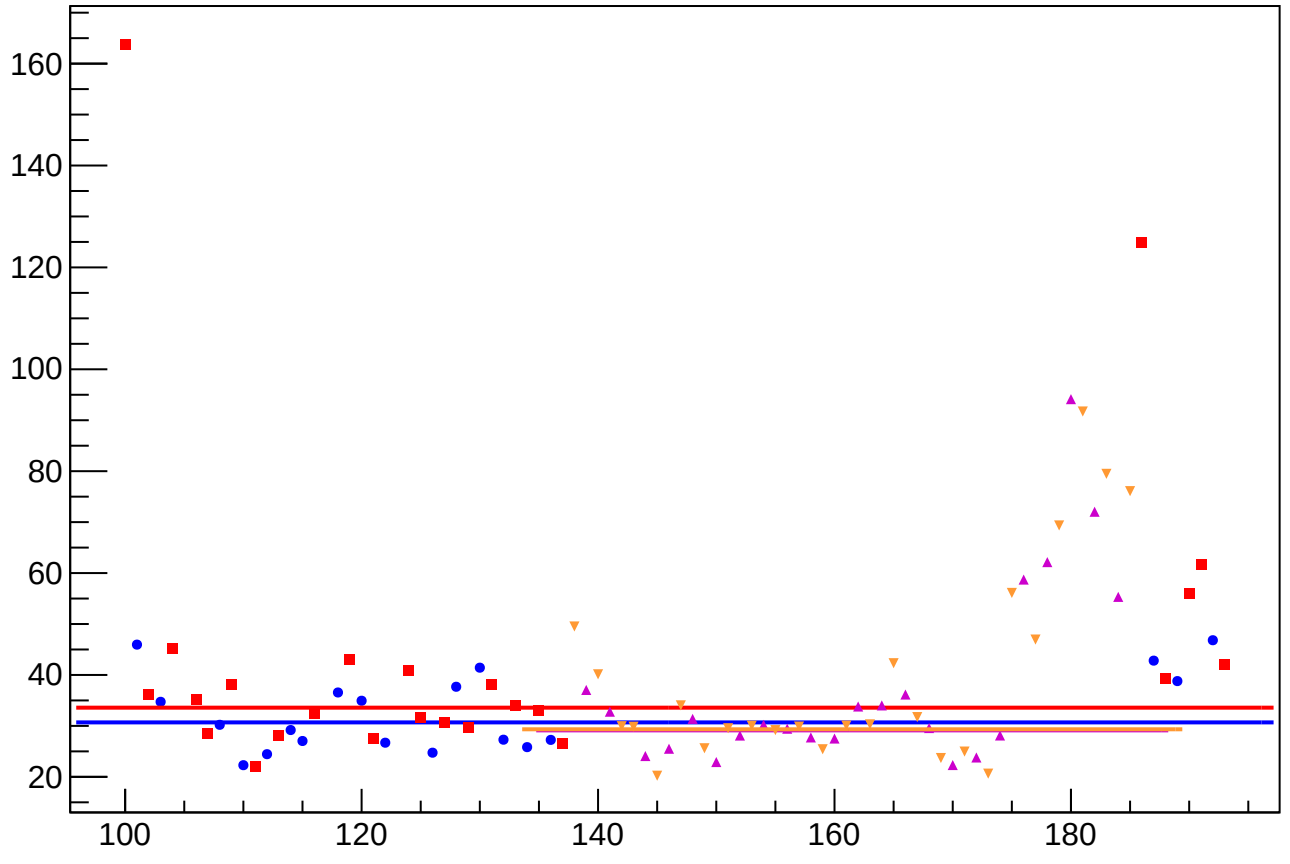
Right Out: 0.018+/-0.011 χ^2/NDF: 24.4/23

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: 93.3/90

- sign 0.013+/-0.006 χ^2/NDF: 43.7/46



Right In: 30.688+/-0.008 χ^2/NDF: 891847.0/18

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

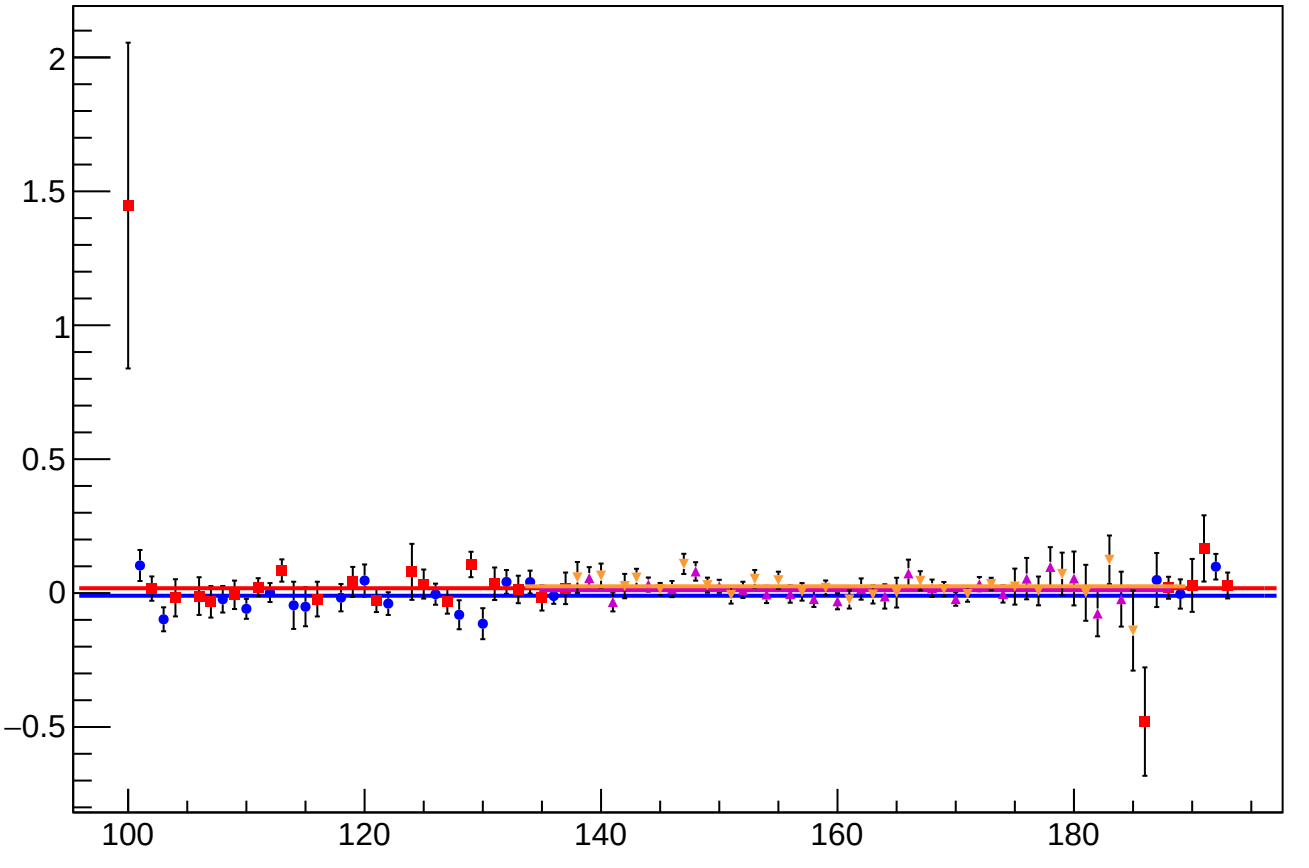
Right Out: 33.580+/-0.008 χ^2/NDF: 1341765.4/23

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.751+/-0.004 χ^2/NDF: 4788601.7/43

All: 30.098+/-0.003 χ^2/NDF: 9206876.6/90

- sign 30.461+/-0.004 χ^2/NDF: 4404483.8/46



Right In: -0.010+/-0.011 χ^2/NDF: 24.7/18

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

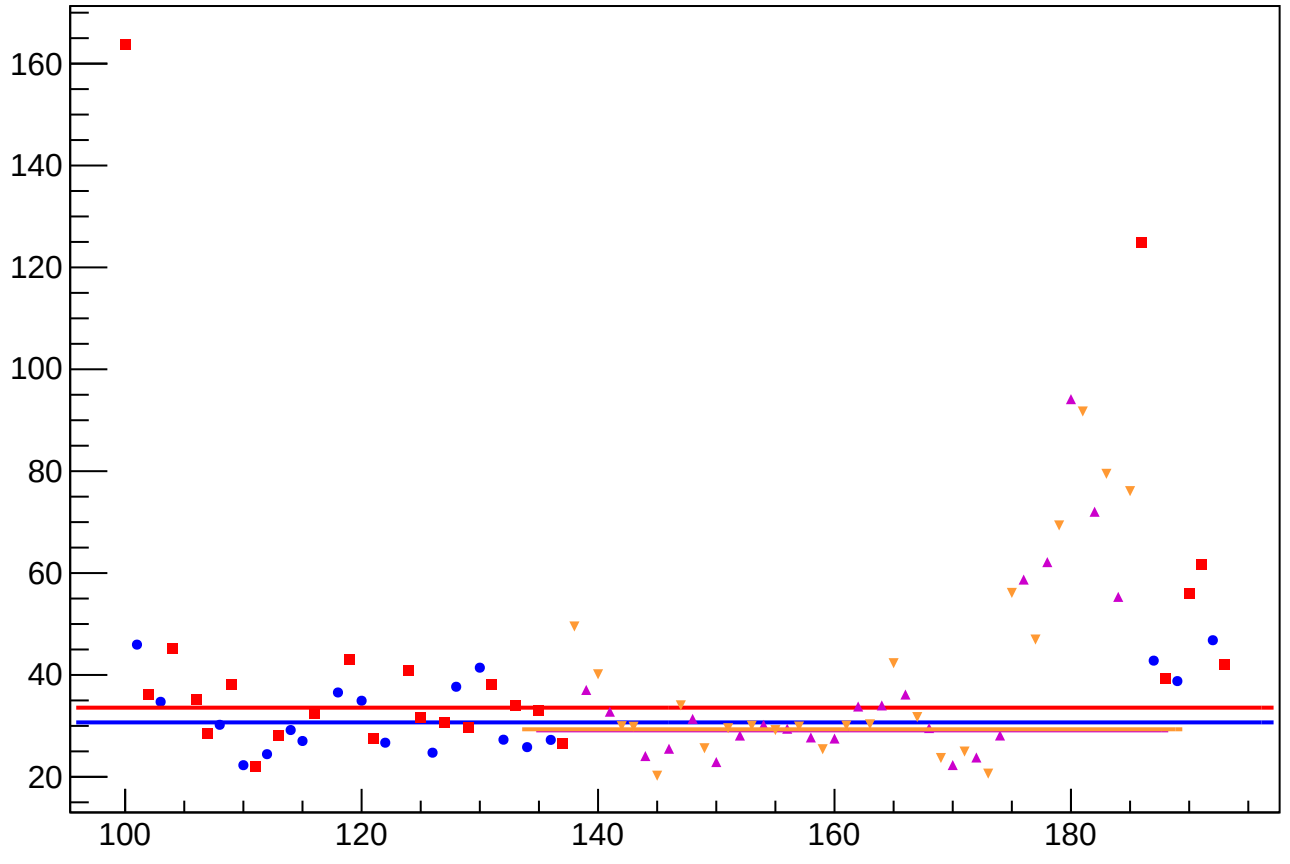
Right Out: 0.018+/-0.011 χ^2/NDF: 24.4/23

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: 93.3/90

- sign 0.013+/-0.006 χ^2/NDF: 43.7/46



Right In: 30.688+/-0.008 χ^2/NDF: 891847.0/18

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

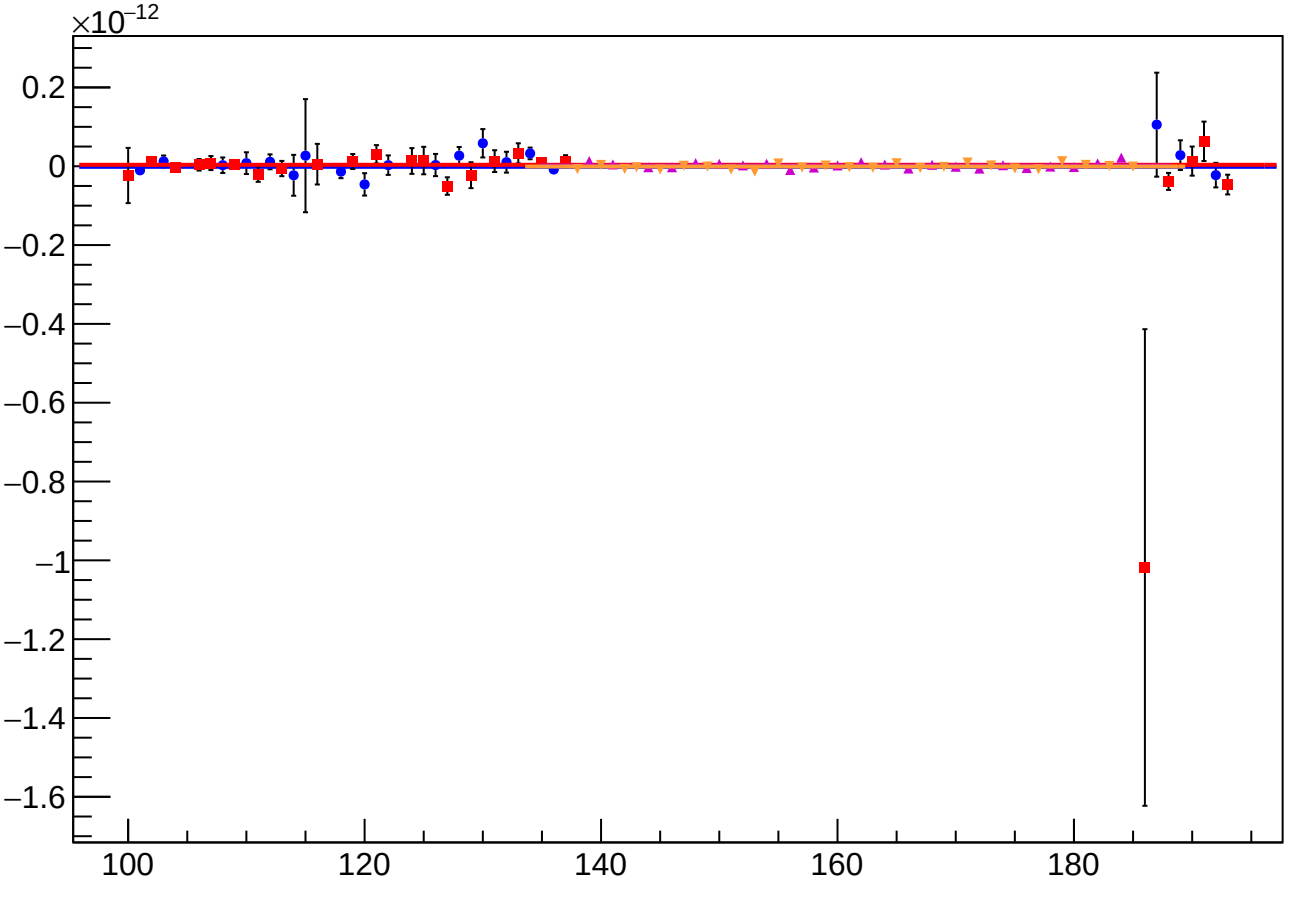
Right Out: 33.580+/-0.008 χ^2/NDF: 1341765.4/23

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.751+/-0.004 χ^2/NDF: 4788601.7/43

All: 30.098+/-0.003 χ^2/NDF: 9206876.6/90

- sign 30.461+/-0.004 χ^2/NDF: 4404483.8/46



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: 25.8/23

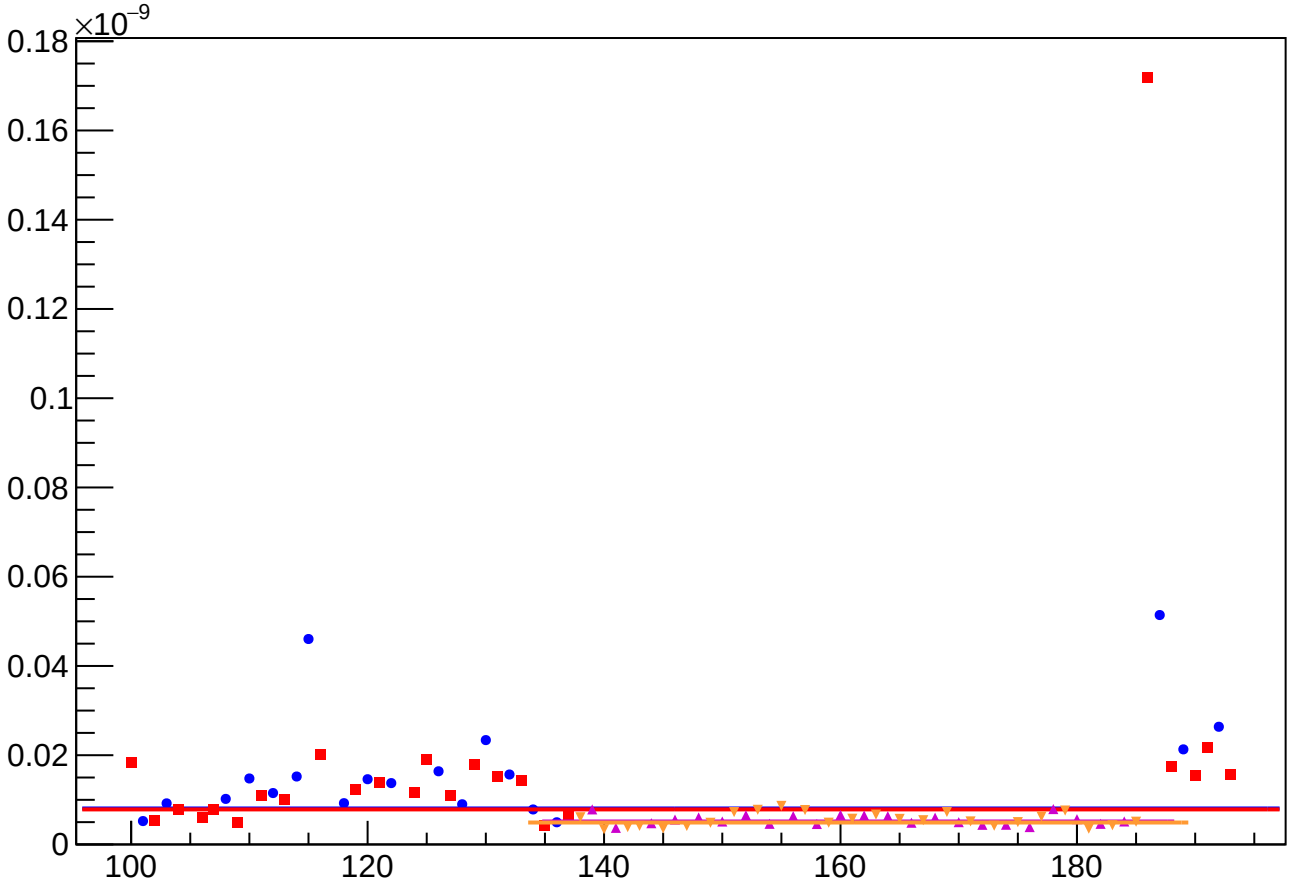
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.8/43

All: 0.000+/-0.000 χ^2/NDF: 78.4/90

- sign 0.000+/-0.000 χ^2/NDF: 42.6/46

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



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: 3025221.3/23

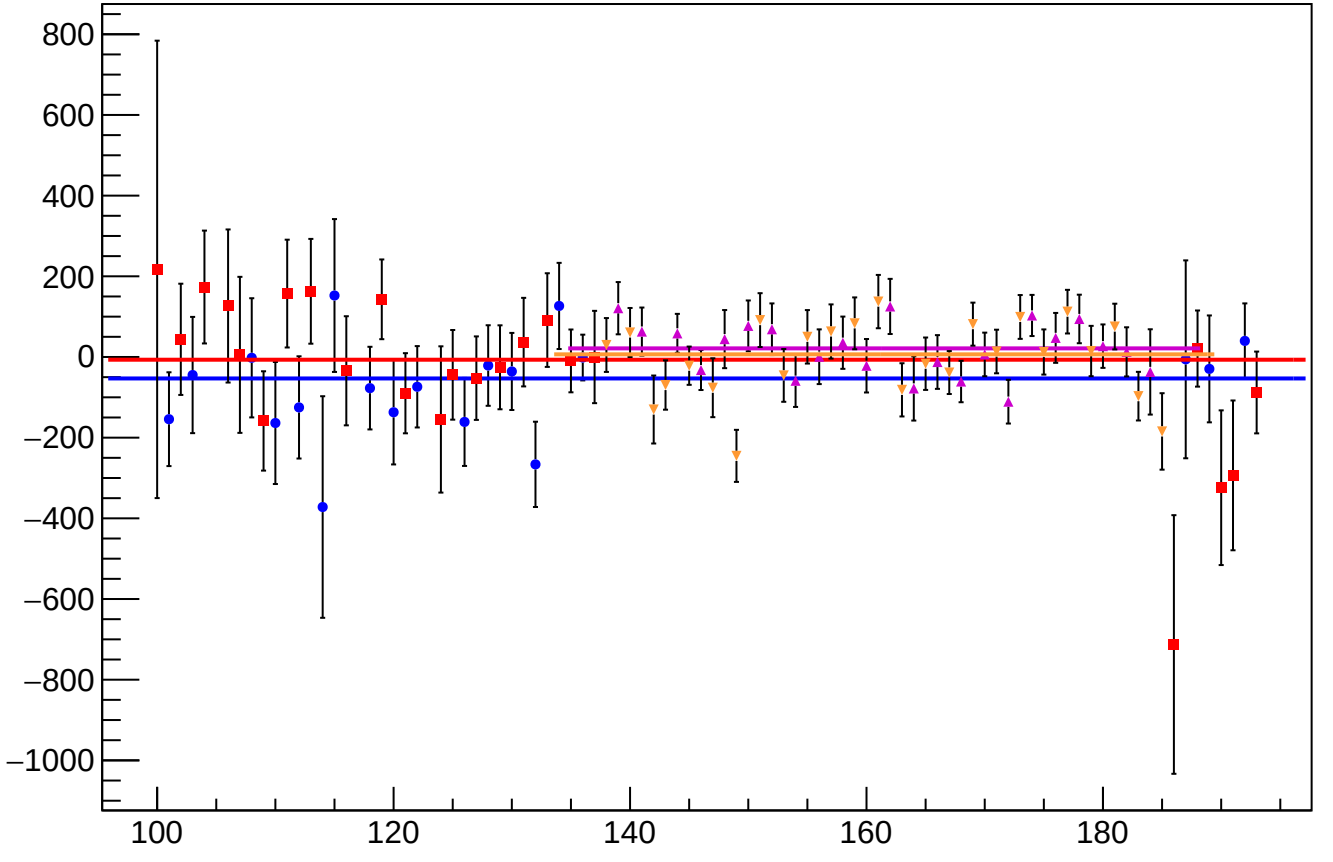
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6296630.6/43

All: 0.000+/-0.000 χ^2/NDF: 11332369.6/90

- sign 0.000+/-0.000 χ^2/NDF: 5001329.4/46

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: -6.780+/-25.220 χ^2/NDF: 22.8/23

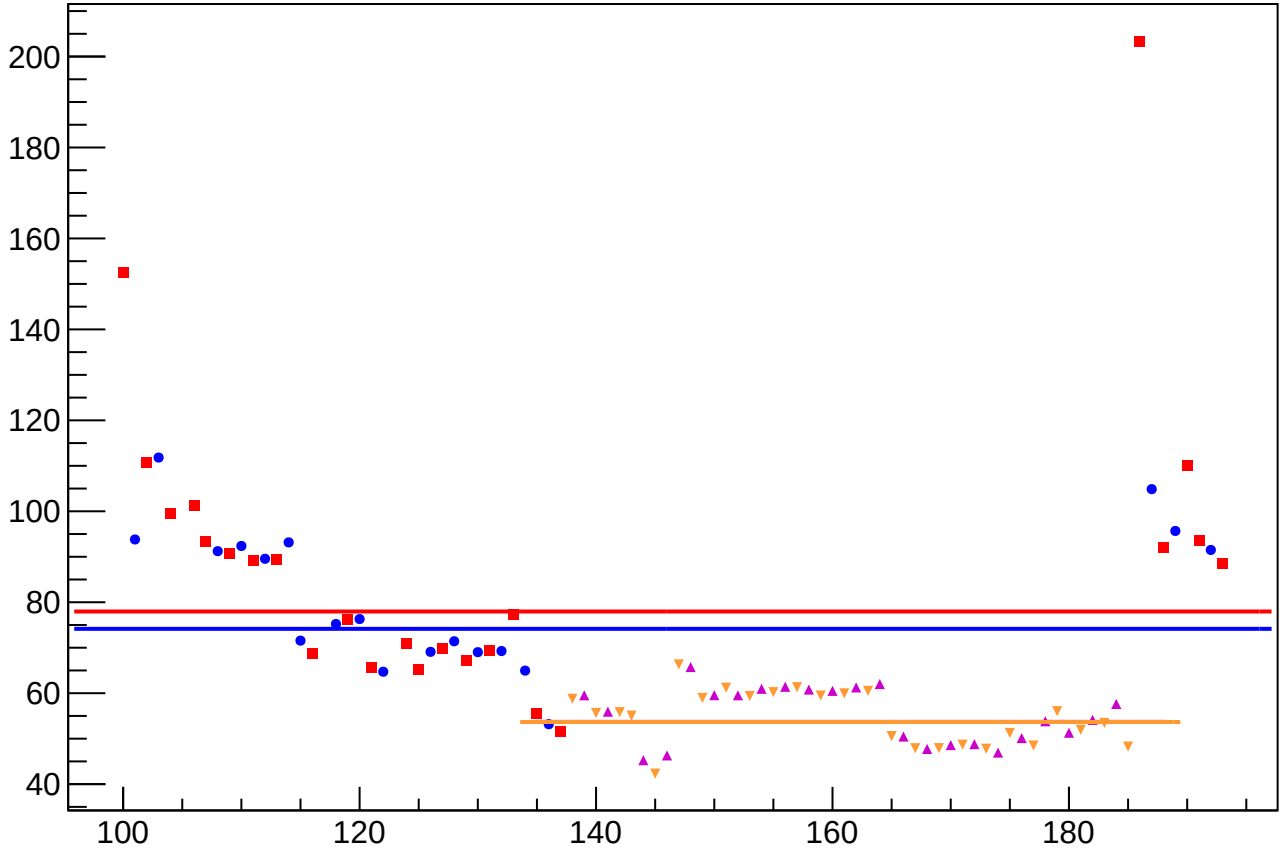
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -4.749+/-11.068 χ^2/NDF: 69.7/43

All: 5.250+/-7.909 χ^2/NDF: 120.6/90

- sign 15.684+/-11.307 χ^2/NDF: 49.2/46

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

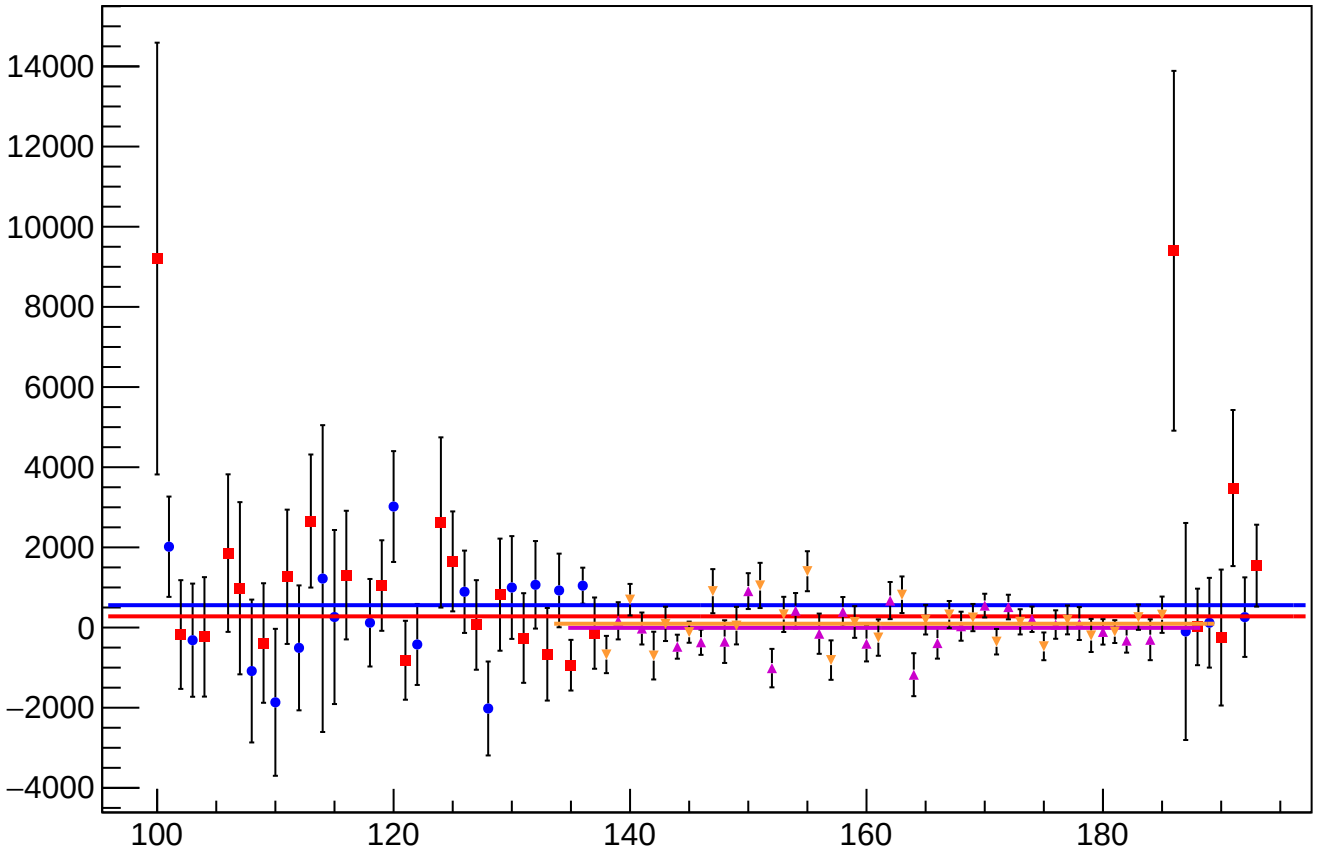
Right Out: 77.966+/-0.018 χ^2/NDF: 1121050.8/23

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.530+/-0.008 χ^2/NDF: 2286411.6/43

All: 58.040+/-0.006 χ^2/NDF: 5367558.9/90

- sign 58.573+/-0.008 χ^2/NDF: 3072450.9/46



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: 279.261+/-257.441 χ^2/NDF: 24.4/23

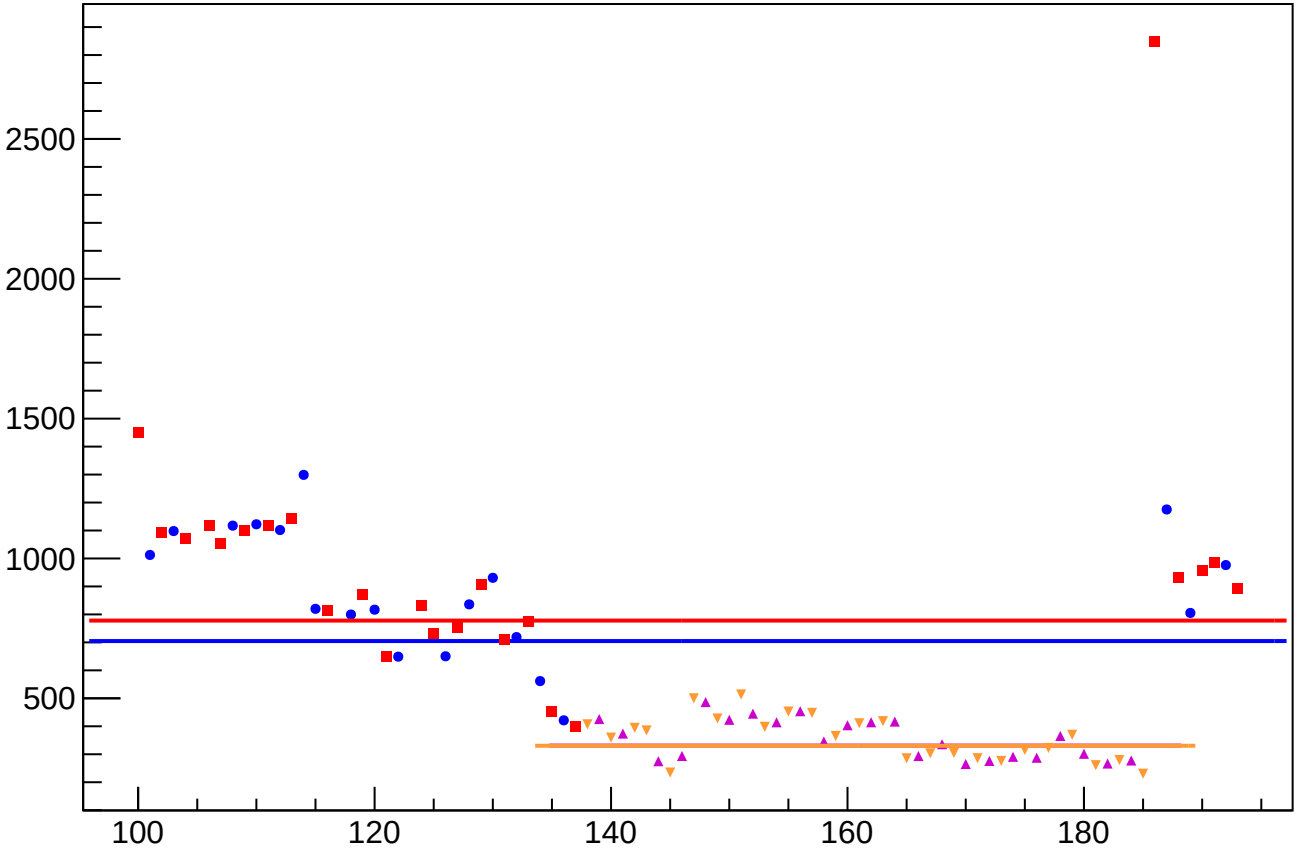
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

\+ sign 135.637+/-73.706 χ^2/NDF: 52.3/43

All: 77.803+/-52.786 χ^2/NDF: 111.5/90

\- sign 16.905+/-75.634 χ^2/NDF: 57.9/46

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: 777.970+/-0.182 χ^2/NDF: 2104381.7/23

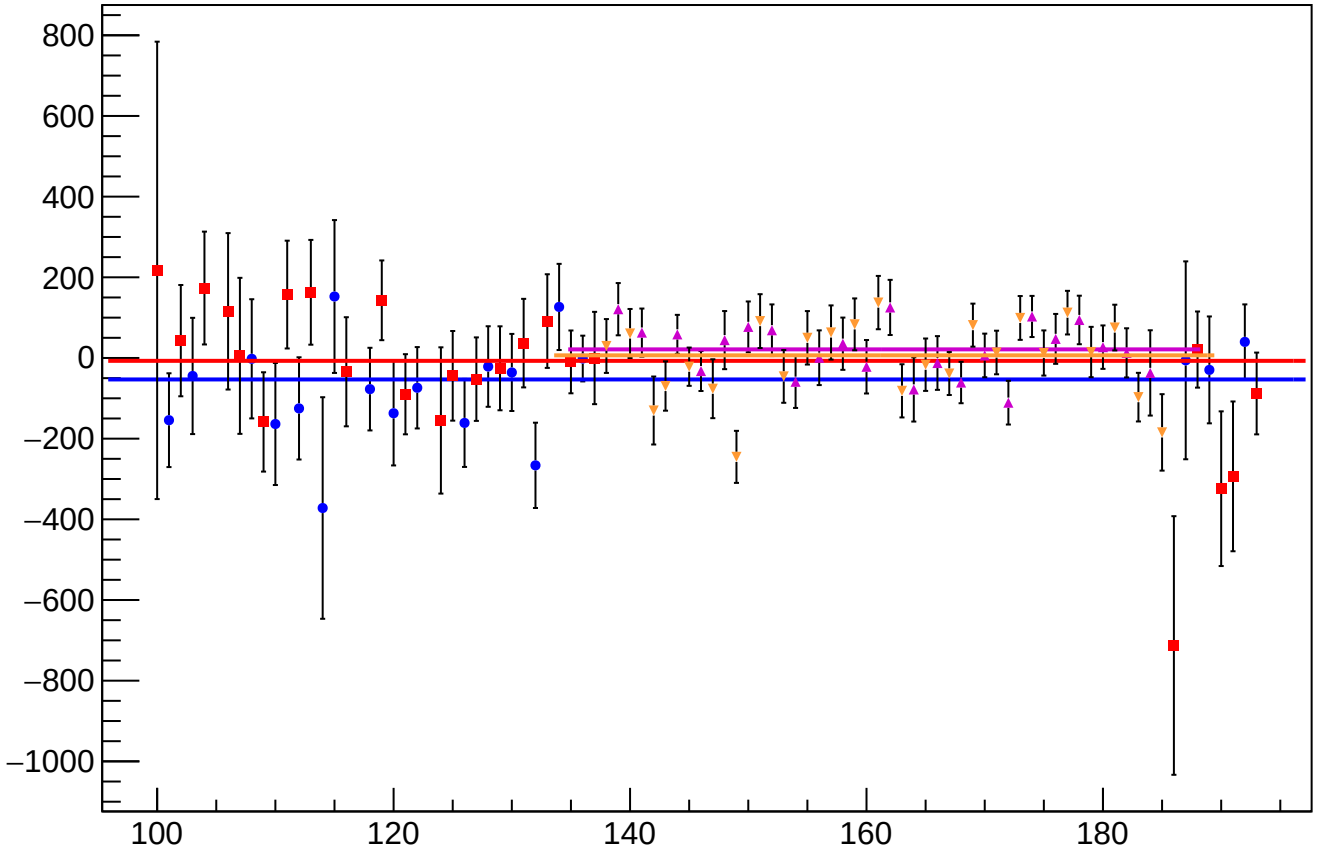
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 362.938+/-0.052 χ^2/NDF: 7715410.2/43

All: 366.199+/-0.037 χ^2/NDF: 16660451.3/90

- sign 369.633+/-0.053 χ^2/NDF: 8937004.9/46

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: -7.092+/-25.230 χ^2/NDF: 22.7/23

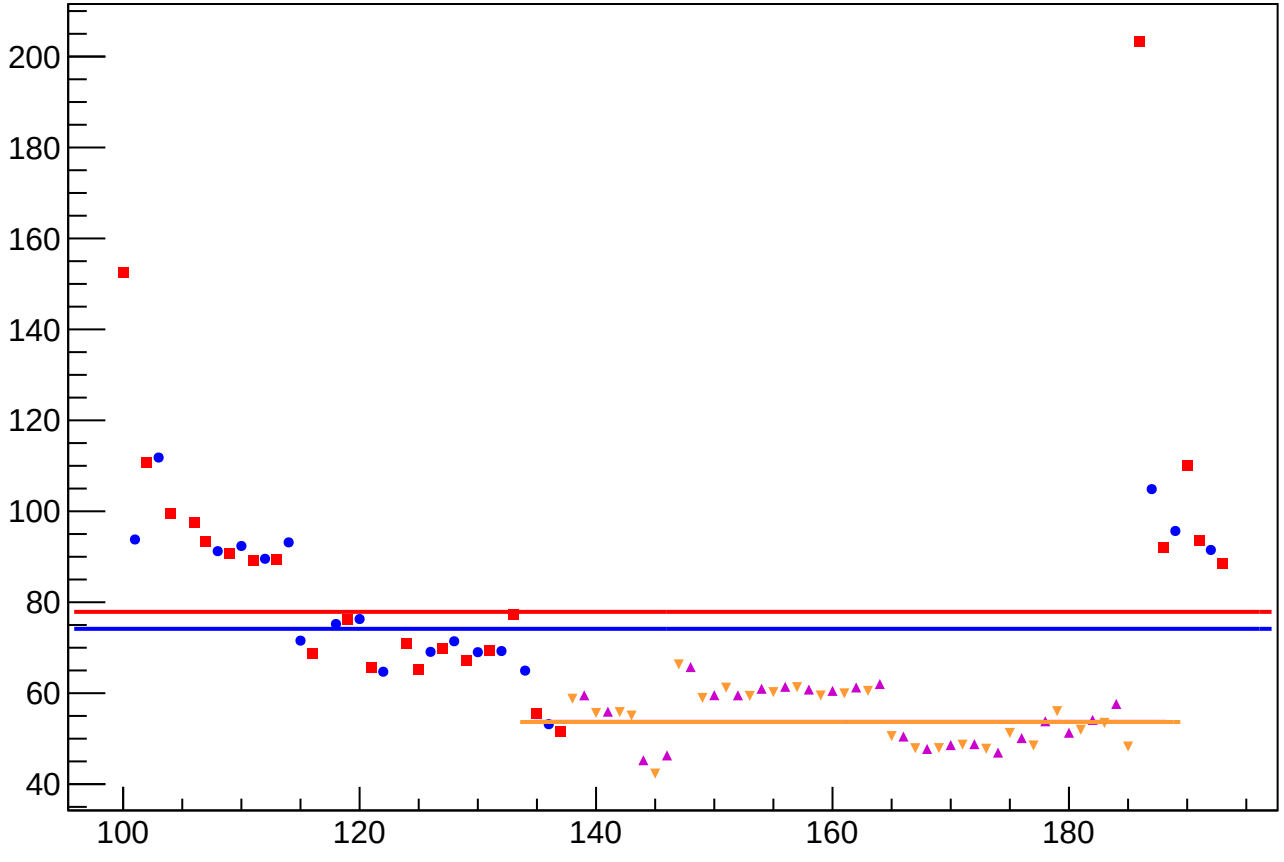
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

\+ sign -4.745+/-11.068 χ^2/NDF: 69.7/43

All: 5.222+/-7.910 χ^2/NDF: 120.5/90

\- sign 15.624+/-11.308 χ^2/NDF: 49.1/46

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

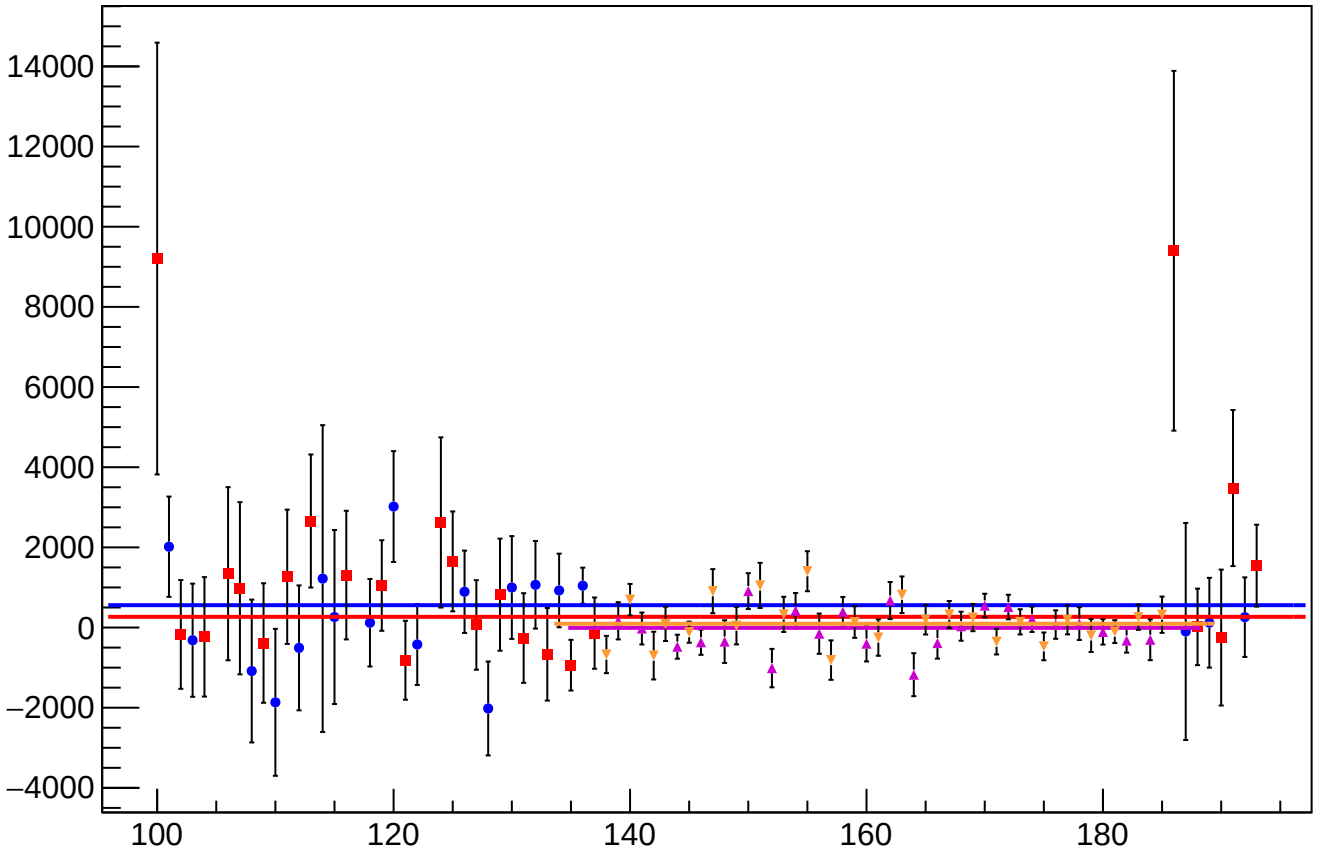
Right Out: 77.887+/-0.018 χ^2/NDF: 1111639.9/23

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.530+/-0.008 χ^2/NDF: 2286414.2/43

All: 58.031+/-0.006 χ^2/NDF: 5347278.2/90

- sign 58.554+/-0.008 χ^2/NDF: 3052481.5/46



Right In: 557.780+/-250.019 χ^2/NDF: 16.0/18

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

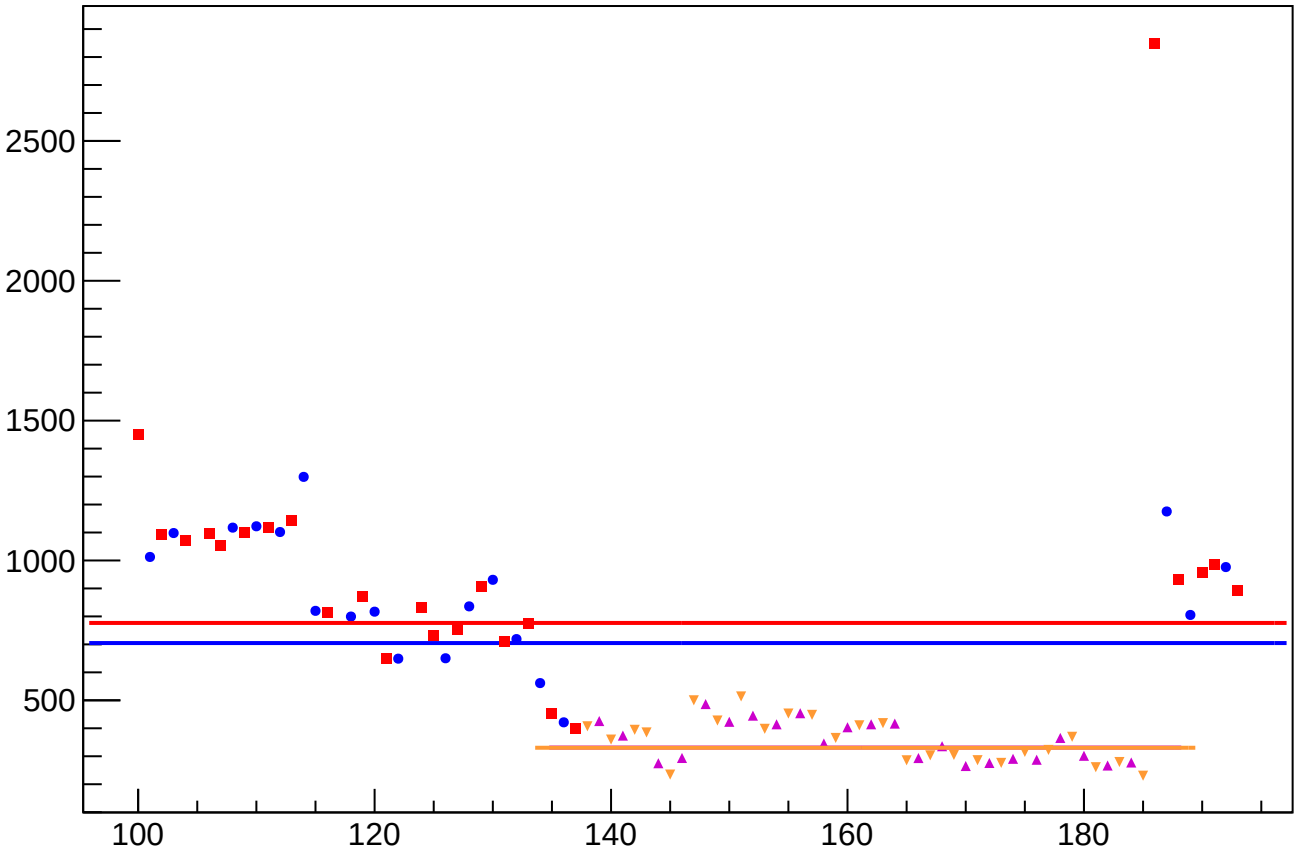
Right Out: 267.401+/-257.826 χ^2/NDF: 24.0/23

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 135.638+/-73.706 χ^2/NDF: 52.3/43

All: 77.283+/-52.790 χ^2/NDF: 111.0/90

- sign 15.820+/-75.643 χ^2/NDF: 57.4/46



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: 776.653+/-0.182 χ^2/NDF: 2087973.4/23

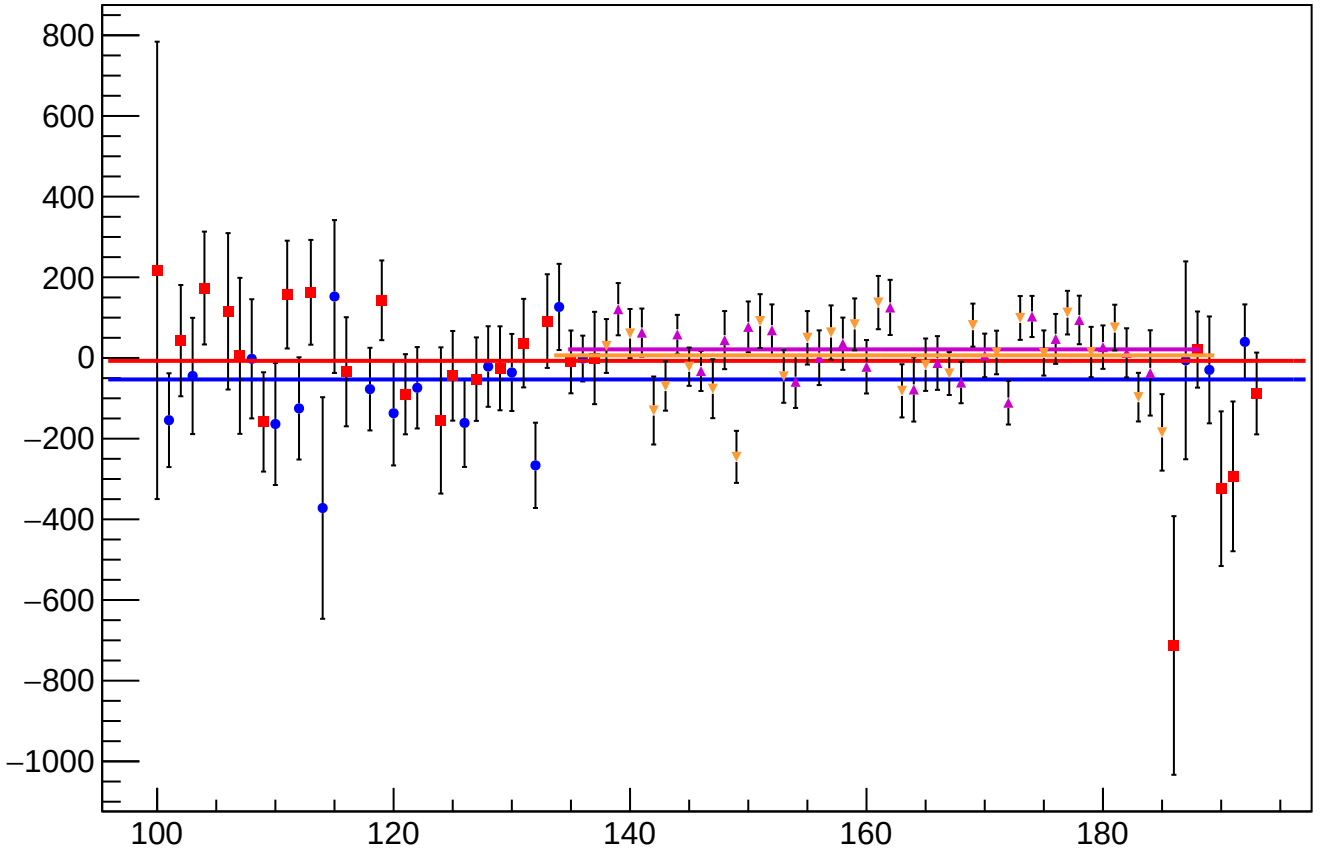
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 362.938+/-0.052 χ^2/NDF: 7715430.2/43

All: 366.092+/-0.037 χ^2/NDF: 16596201.7/90

- sign 369.414+/-0.053 χ^2/NDF: 8873252.9/46

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: -7.092+/-25.230 χ^2/NDF: 22.7/23

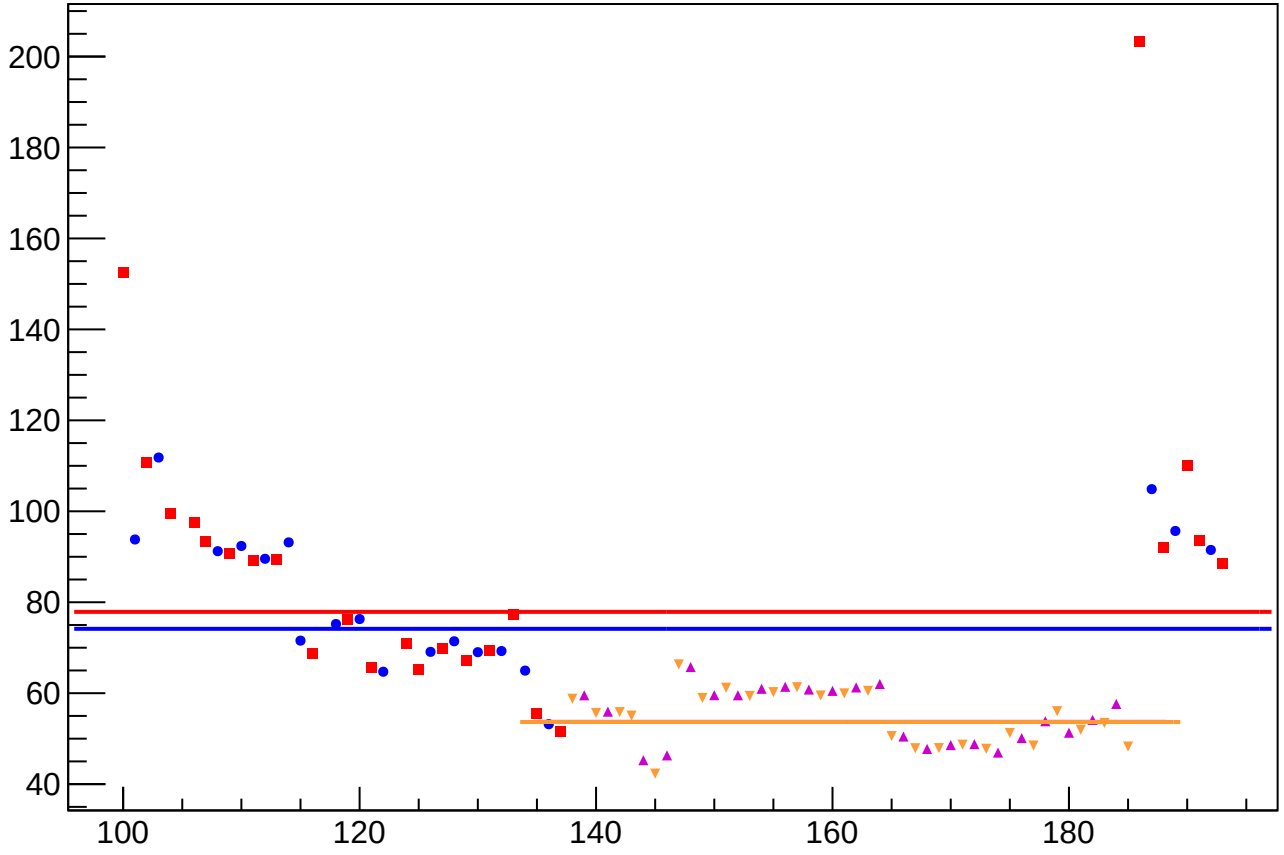
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -4.745+/-11.068 χ^2/NDF: 69.7/43

All: 5.222+/-7.910 χ^2/NDF: 120.5/90

- sign 15.624+/-11.308 χ^2/NDF: 49.1/46

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

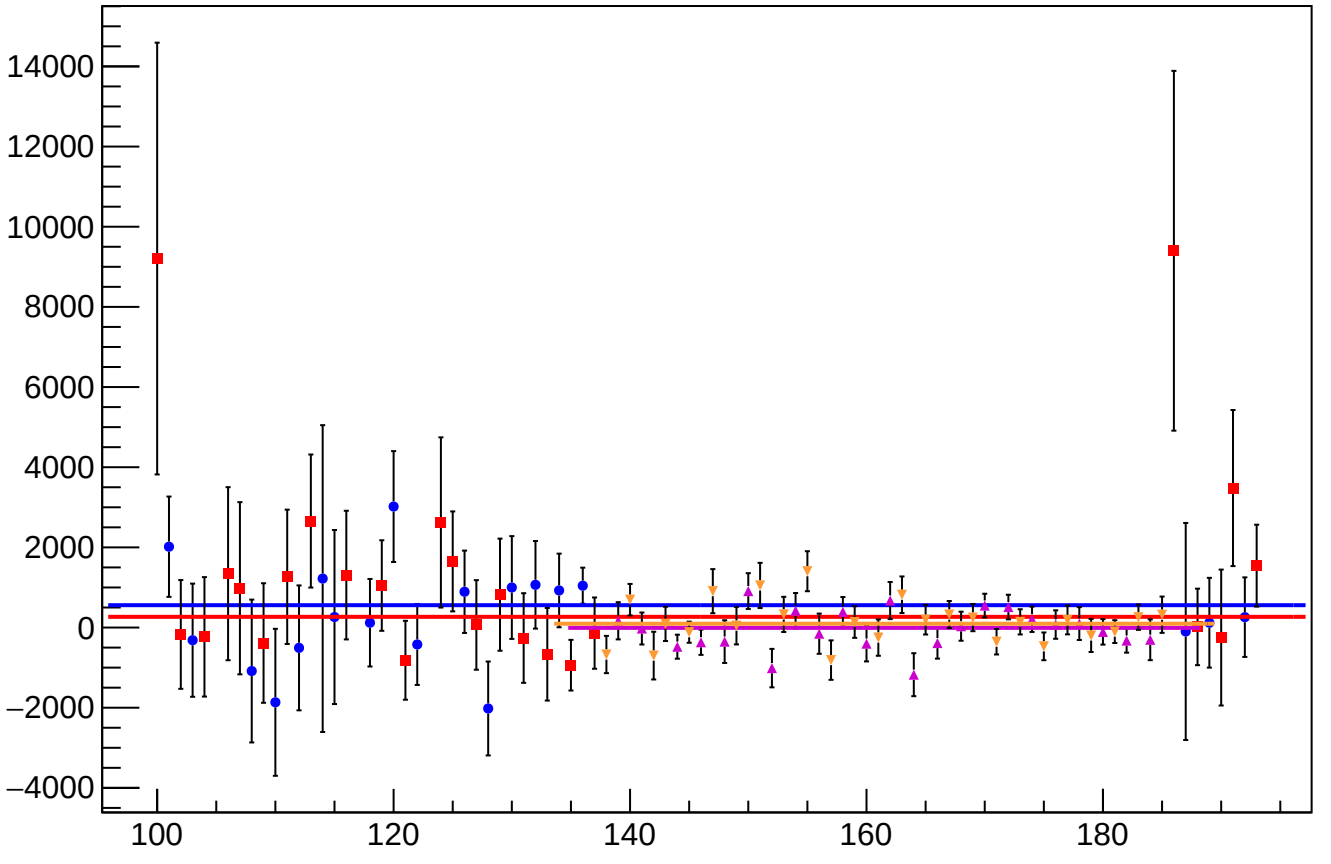
Right Out: 77.887+/-0.018 χ^2/NDF: 1111639.9/23

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.530+/-0.008 χ^2/NDF: 2286414.2/43

All: 58.031+/-0.006 χ^2/NDF: 5347278.2/90

- sign 58.554+/-0.008 χ^2/NDF: 3052481.5/46



Right In: 557.780+/-250.019 χ^2/NDF: 16.0/18

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

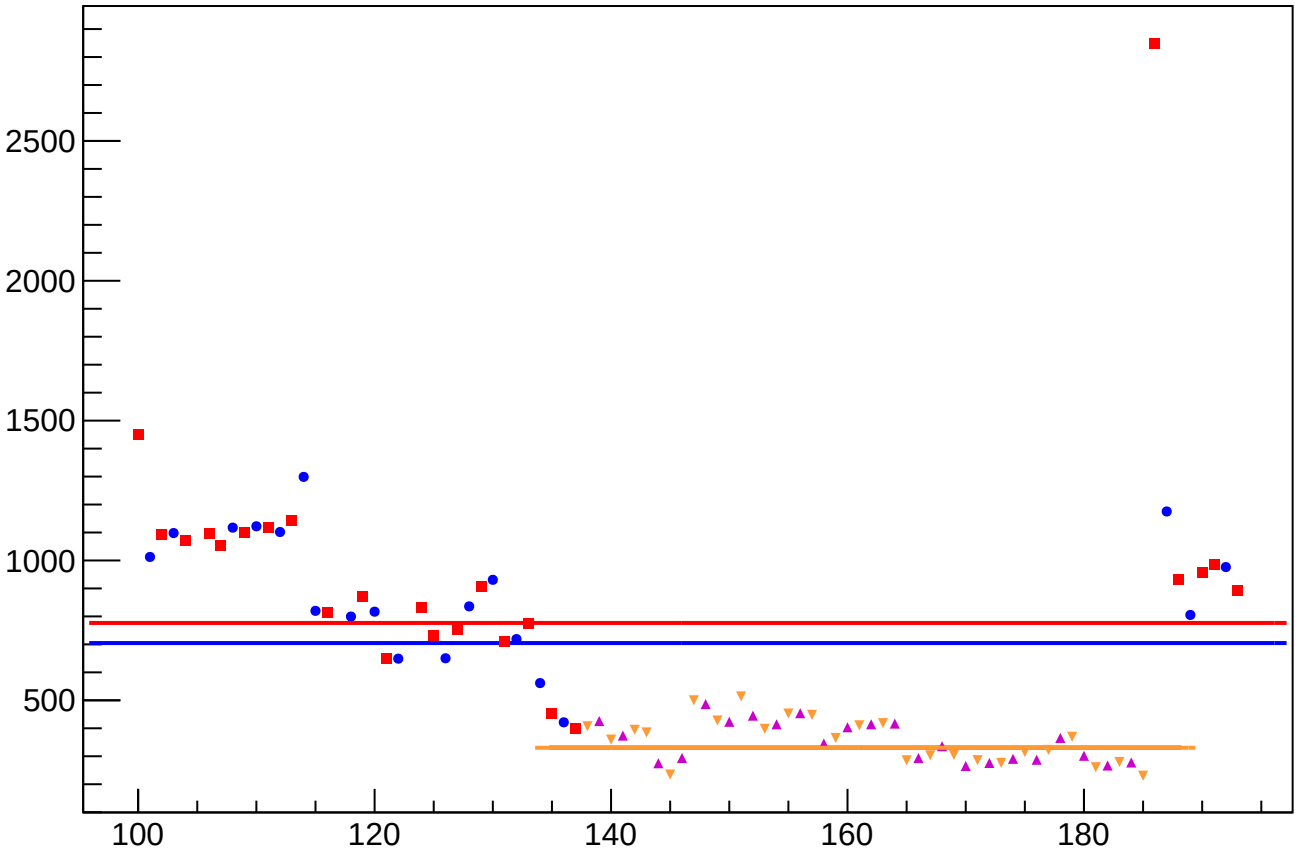
Right Out: 267.401+/-257.826 χ^2/NDF: 24.0/23

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 135.638+/-73.706 χ^2/NDF: 52.3/43

All: 77.283+/-52.790 χ^2/NDF: 111.0/90

- sign 15.820+/-75.643 χ^2/NDF: 57.4/46



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: 776.653+/-0.182 χ^2/NDF: 2087973.4/23

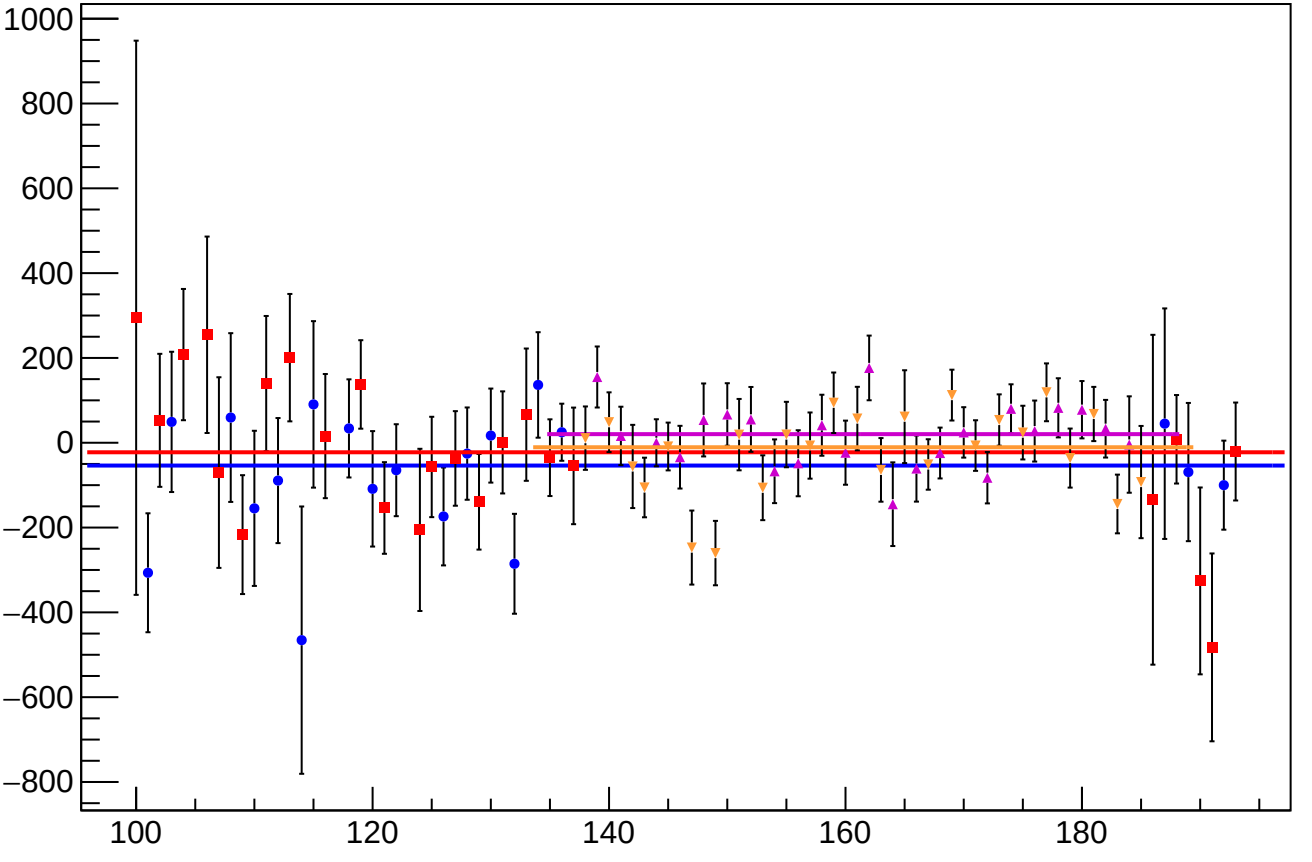
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 362.938+/-0.052 χ^2/NDF: 7715430.2/43

All: 366.092+/-0.037 χ^2/NDF: 16596201.7/90

- sign 369.414+/-0.053 χ^2/NDF: 8873252.9/46

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: -22.469+/-28.405 χ^2/NDF: 22.1/23

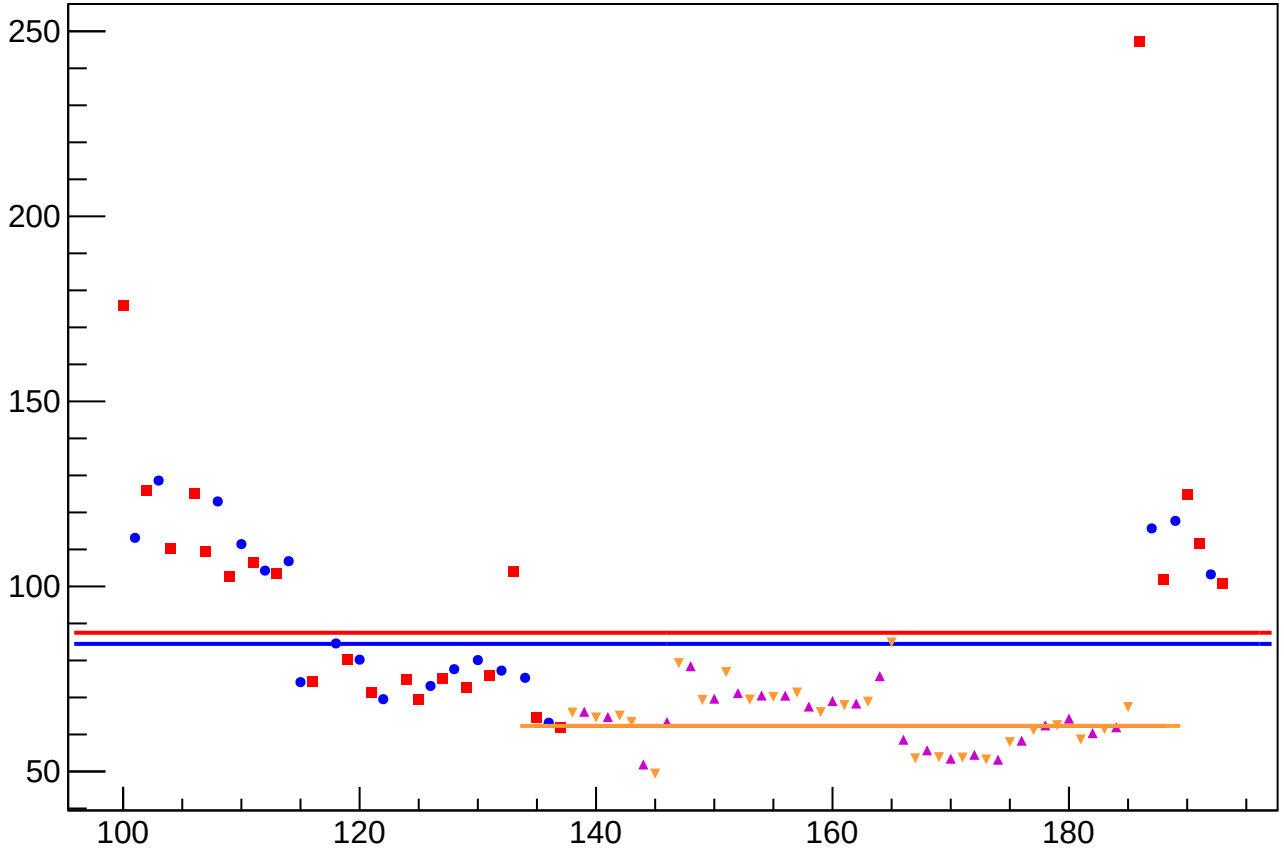
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -19.006+/-12.845 χ^2/NDF: 60.7/43

All: -4.179+/-9.168 χ^2/NDF: 109.1/90

- sign 11.221+/-13.090 χ^2/NDF: 45.6/46

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 84.477+/-0.021 χ^2/NDF: 858453.0/18

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

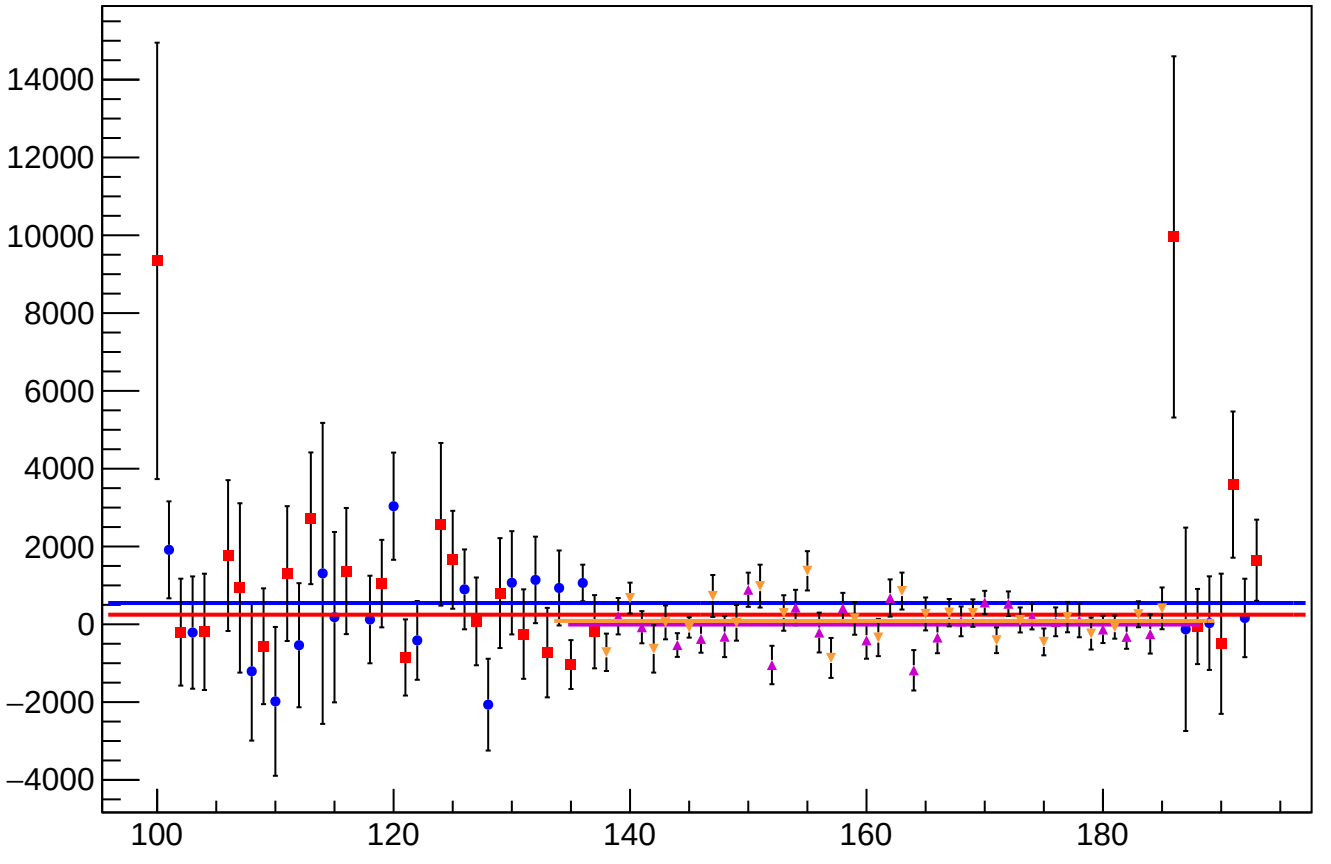
Right Out: 87.491+/-0.020 χ^2/NDF: 1255032.8/23

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 66.625+/-0.009 χ^2/NDF: 2427109.1/43

All: 67.132+/-0.006 χ^2/NDF: 5410930.0/90

- sign 67.658+/-0.009 χ^2/NDF: 2977467.7/46



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: 247.344+/-260.095 χ^2/NDF: 26.2/23

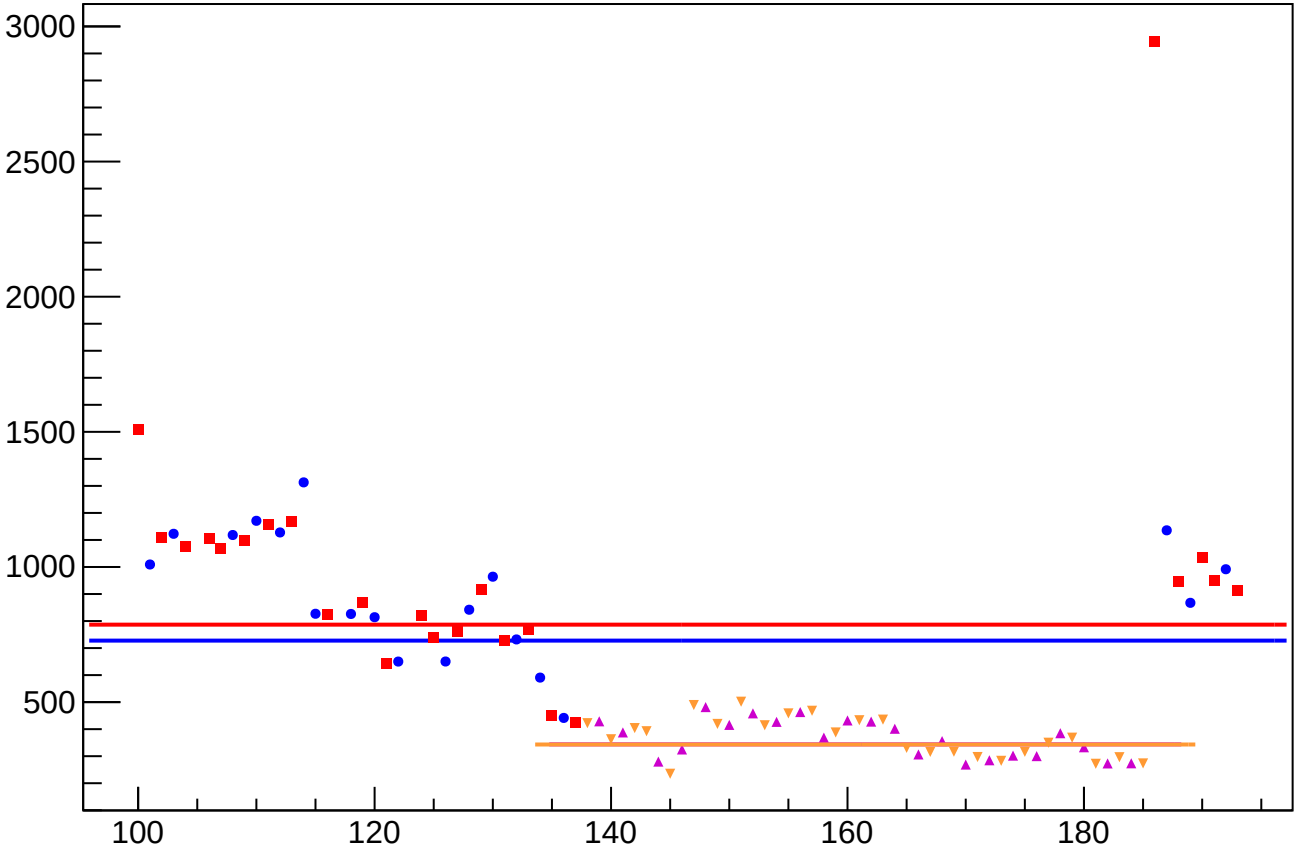
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.540+/-76.242 χ^2/NDF: 50.8/43

All: 73.504+/-54.625 χ^2/NDF: 111.3/90

- sign 16.509+/-78.301 χ^2/NDF: 59.4/46

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: 786.660+/-0.184 χ^2/NDF: 2108495.2/23

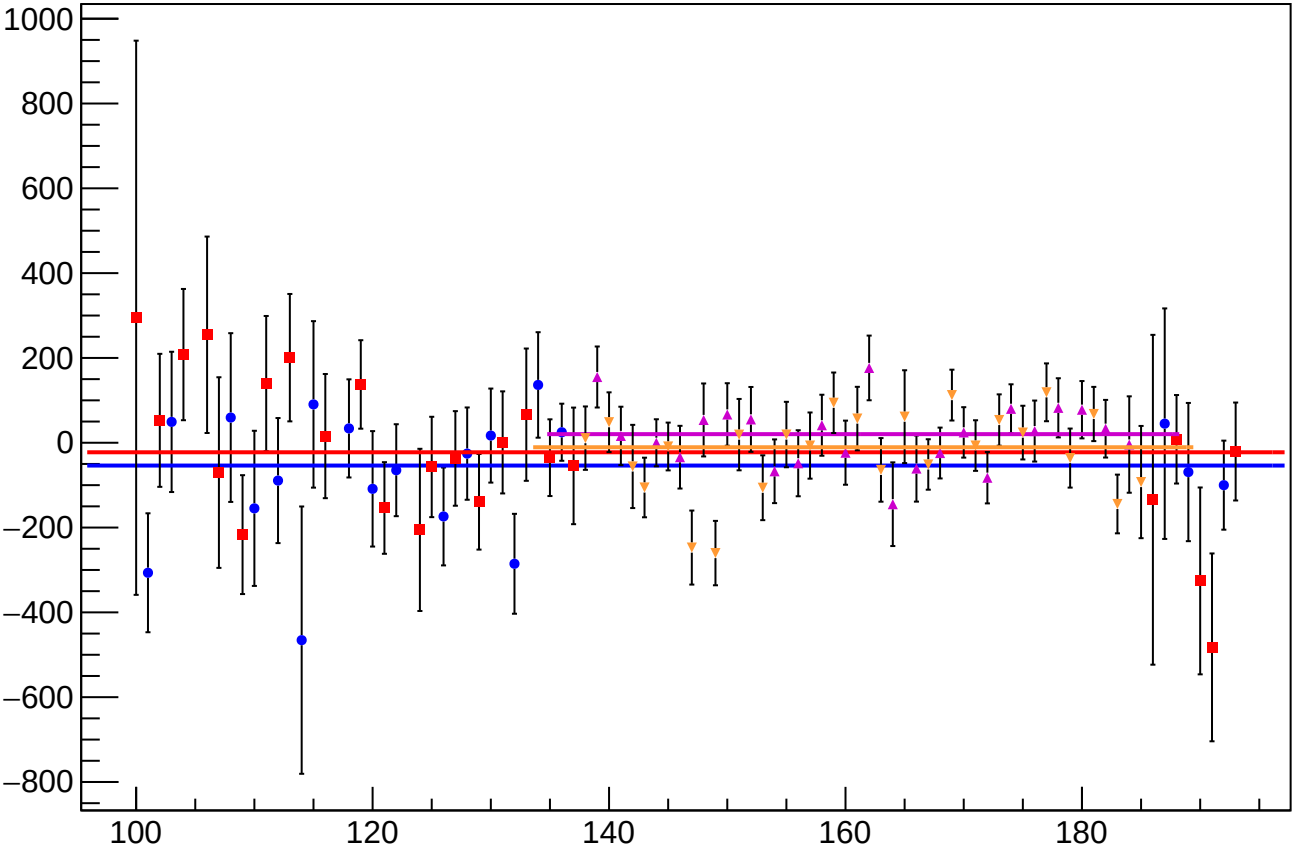
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 377.059+/-0.054 χ^2/NDF: 7430687.7/43

All: 380.369+/-0.039 χ^2/NDF: 16080050.9/90

- sign 383.861+/-0.055 χ^2/NDF: 8641616.0/46

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: -22.470+/-28.405 χ^2/NDF: 22.1/23

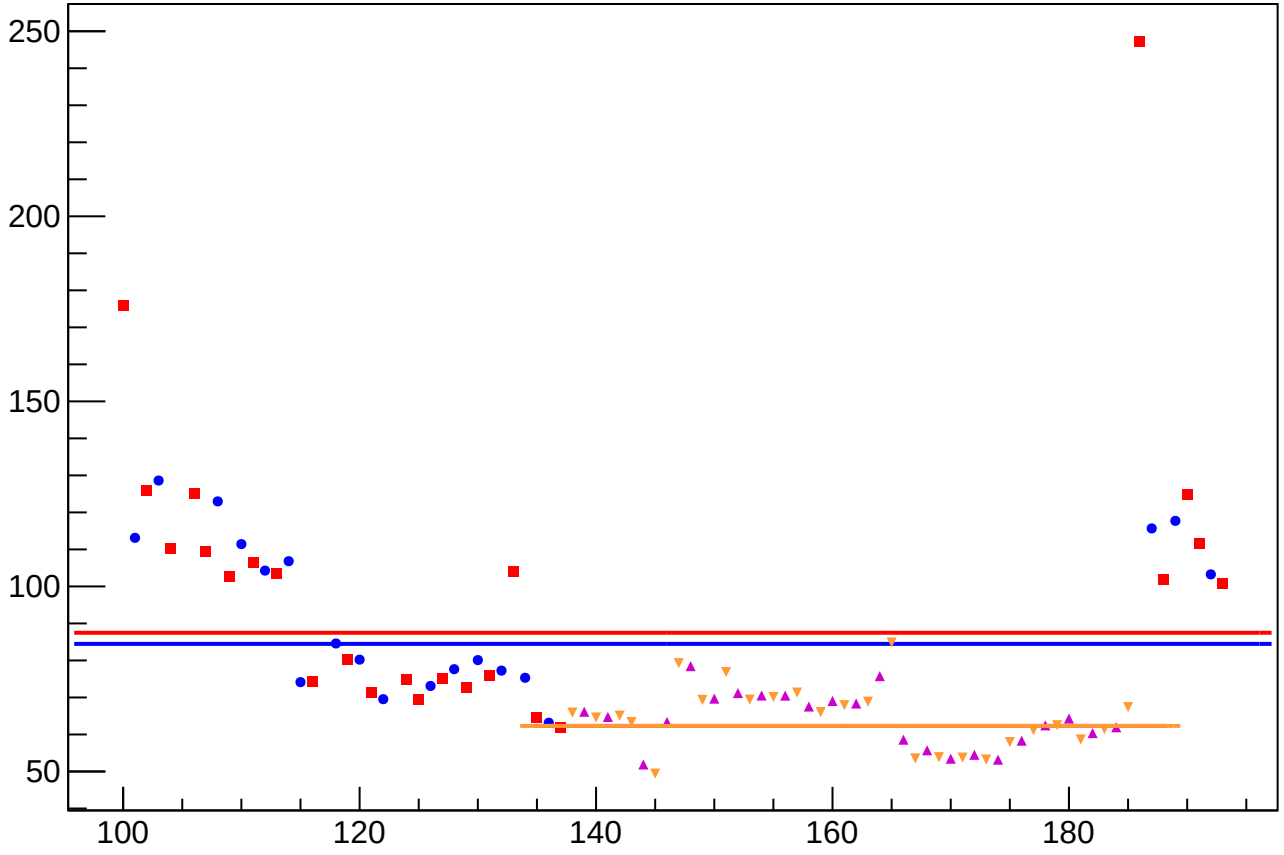
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -19.005+/-12.844 χ^2/NDF: 60.7/43

All: -4.179+/-9.168 χ^2/NDF: 109.1/90

- sign 11.221+/-13.090 χ^2/NDF: 45.6/46

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

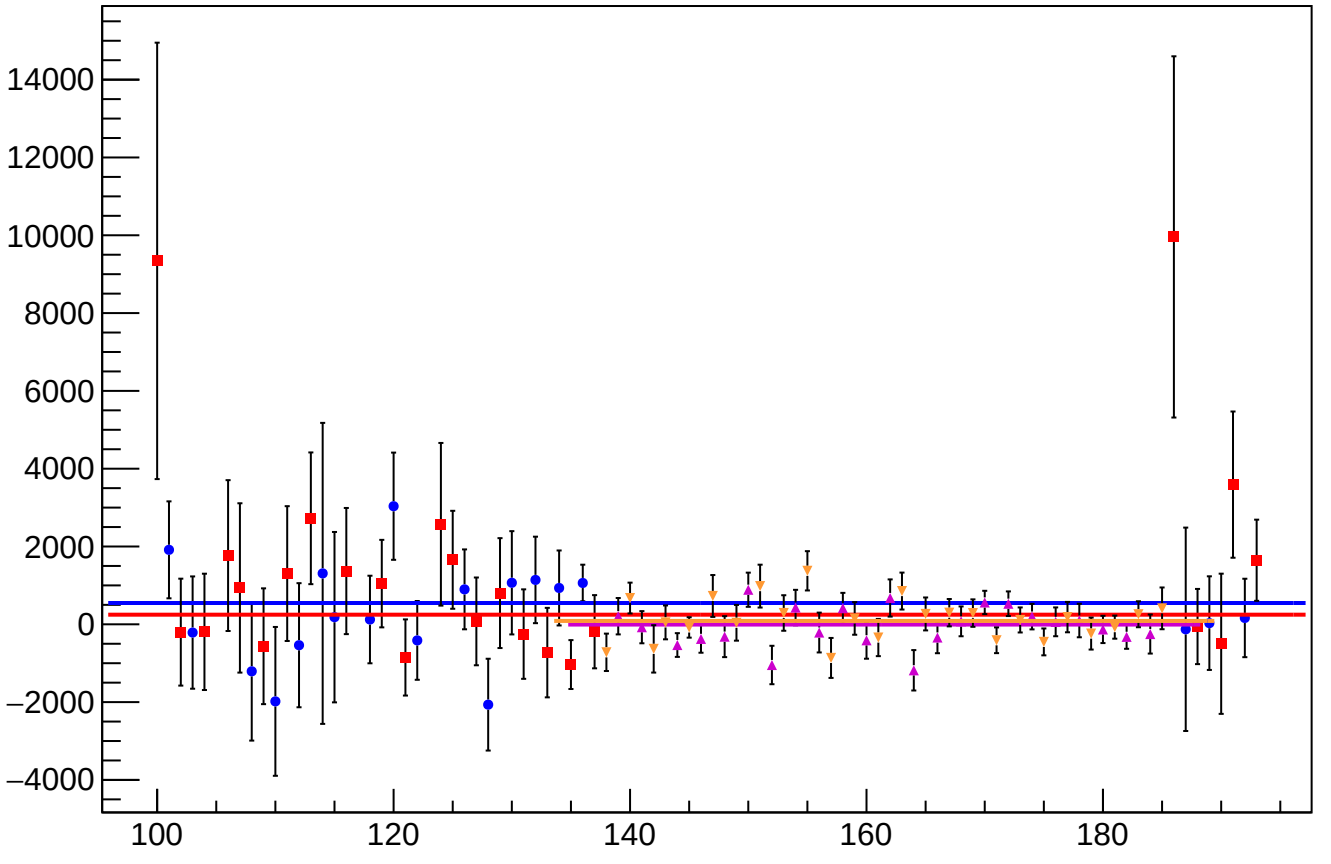
Right Out: 87.490+/-0.020 χ^2/NDF: 1255014.6/23

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 66.625+/-0.009 χ^2/NDF: 2427077.0/43

All: 67.132+/-0.006 χ^2/NDF: 5410836.8/90

- sign 67.658+/-0.009 χ^2/NDF: 2977404.9/46



Right In: 547.727+/-256.980 χ^2/NDF: 16.2/18

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

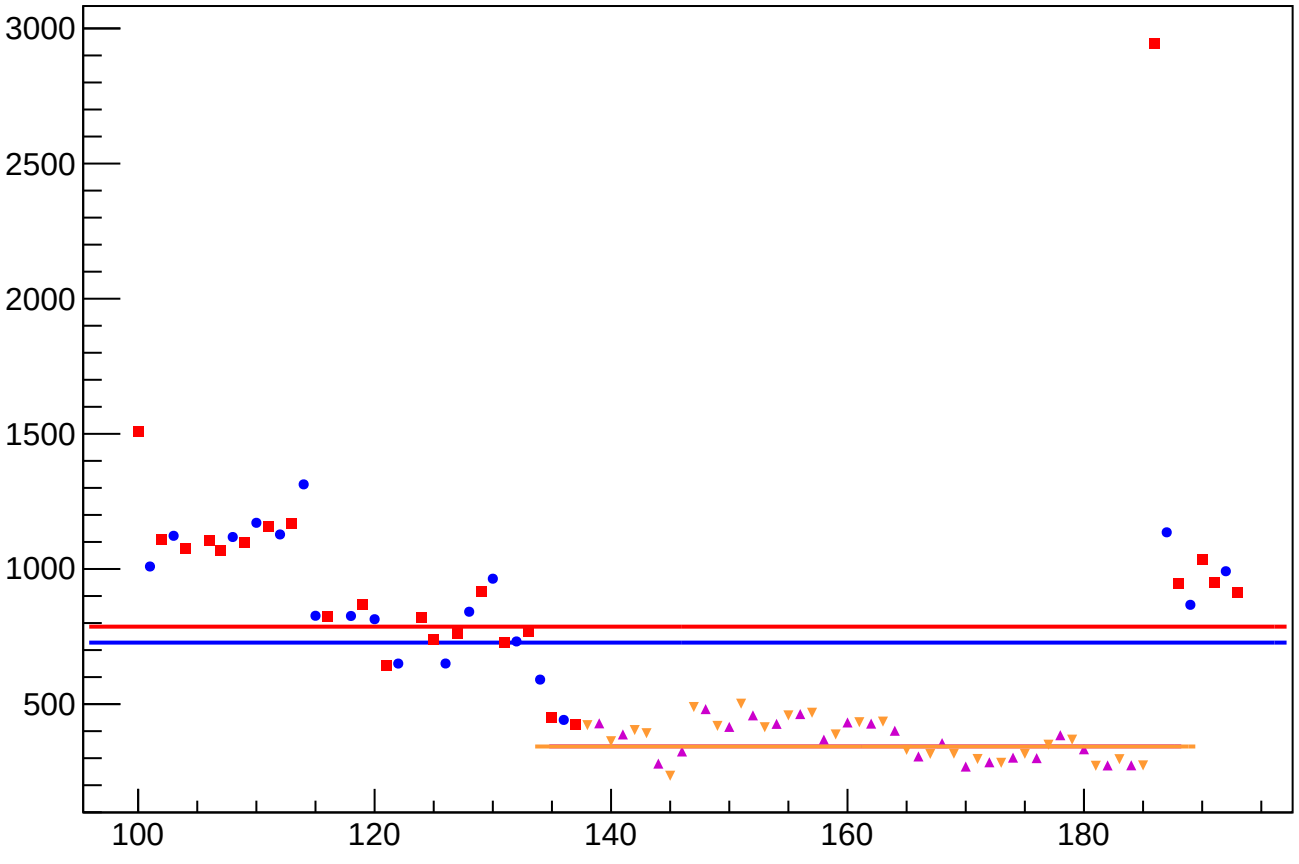
Right Out: 247.345+/-260.095 χ^2/NDF: 26.2/23

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.540+/-76.242 χ^2/NDF: 50.8/43

All: 73.504+/-54.625 χ^2/NDF: 111.3/90

- sign 16.509+/-78.301 χ^2/NDF: 59.4/46



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: 786.659+/-0.184 χ^2/NDF: 2108484.3/23

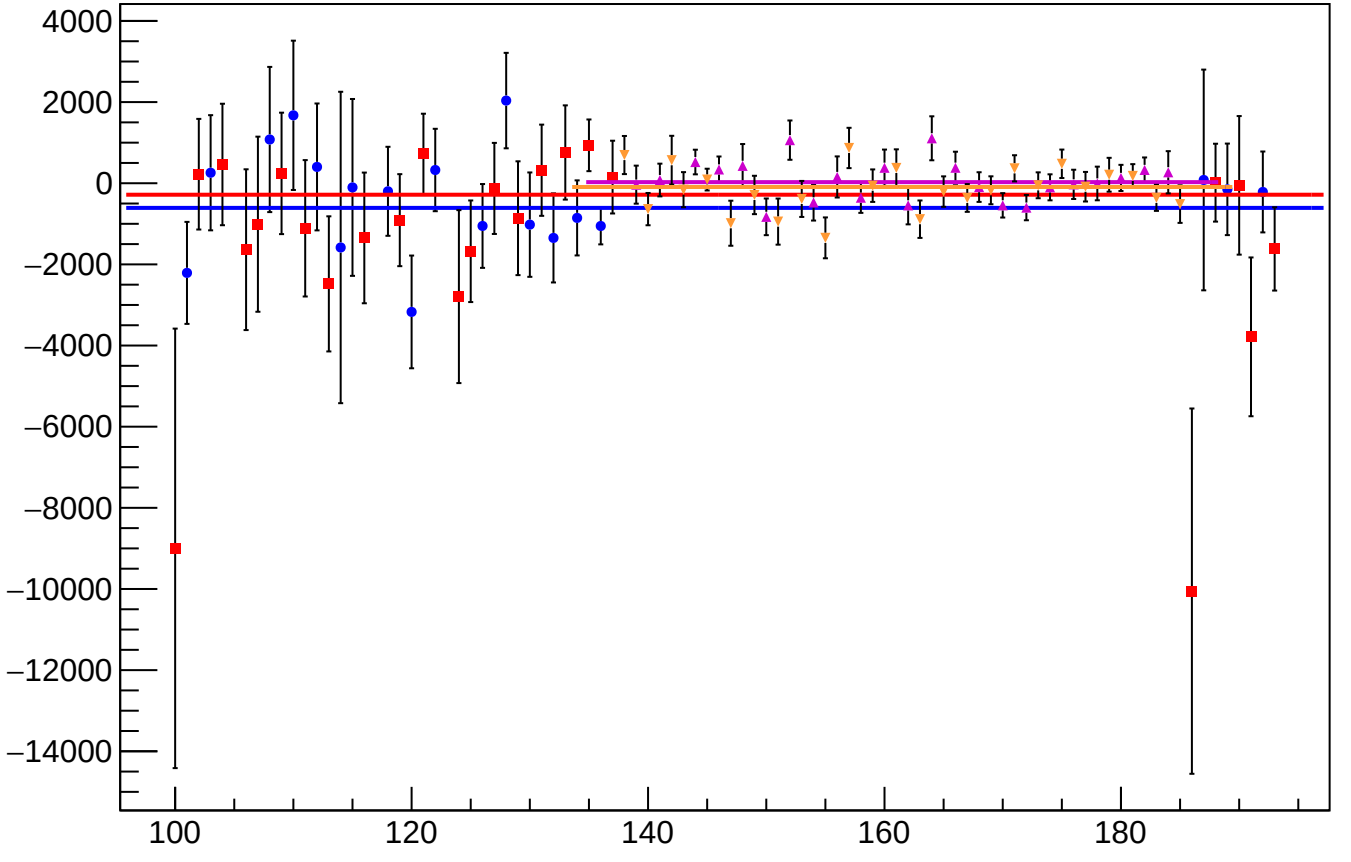
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 377.059+/-0.054 χ^2/NDF: 7430688.5/43

All: 380.370+/-0.039 χ^2/NDF: 16080042.9/90

- sign 383.861+/-0.055 χ^2/NDF: 8641607.0/46

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: -282.961+/-258.859 χ^2/NDF: 25.0/23

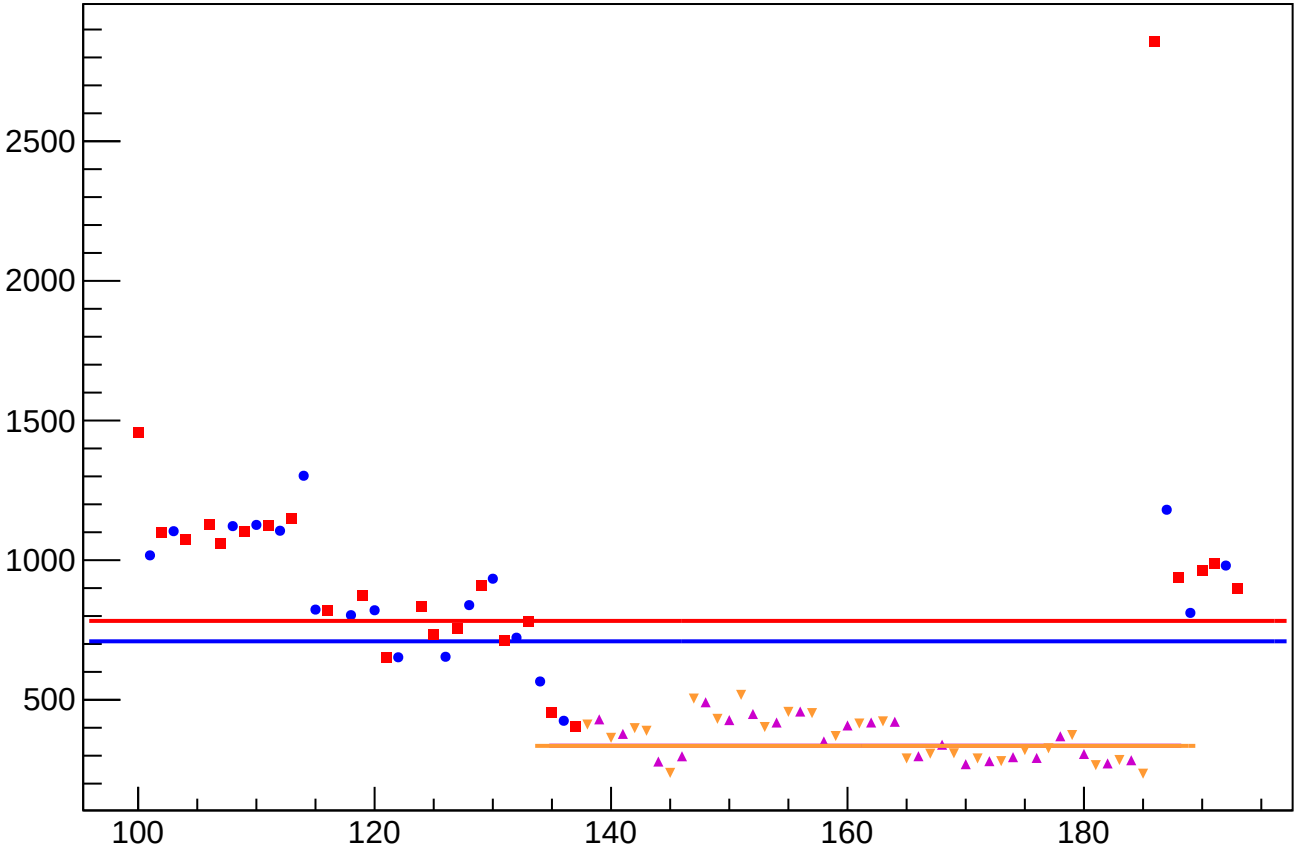
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -138.020+/-74.661 χ^2/NDF: 54.6/43

All: -70.788+/-53.470 χ^2/NDF: 113.4/90

- sign 0.007+/-76.614 χ^2/NDF: 57.2/46

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

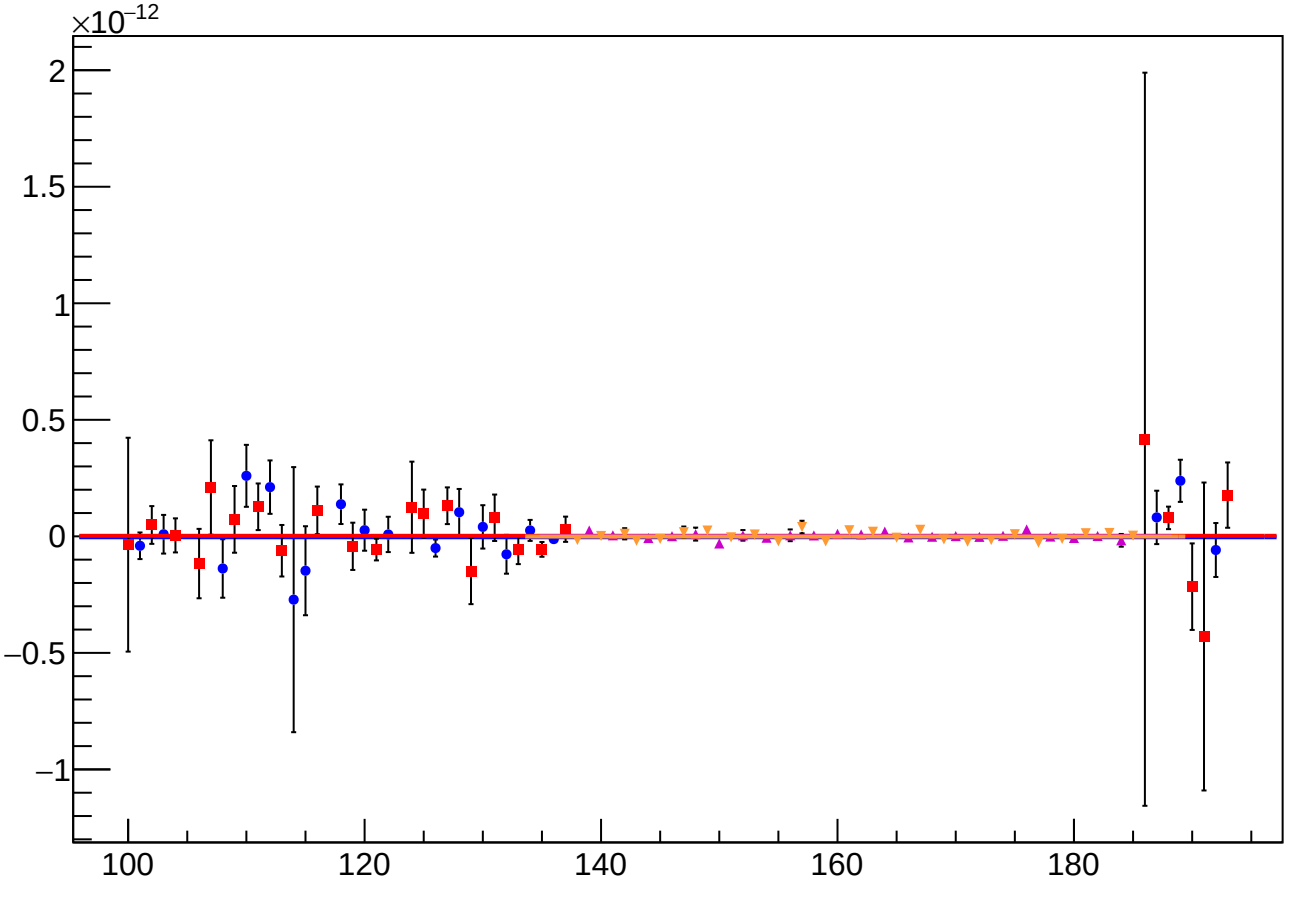
Right Out: 782.569+/-0.183 χ^2/NDF: 2090903.6/23

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 368.127+/-0.053 χ^2/NDF: 7595485.2/43

All: 371.438+/-0.038 χ^2/NDF: 16421866.2/90

- sign 374.924+/-0.054 χ^2/NDF: 8818308.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

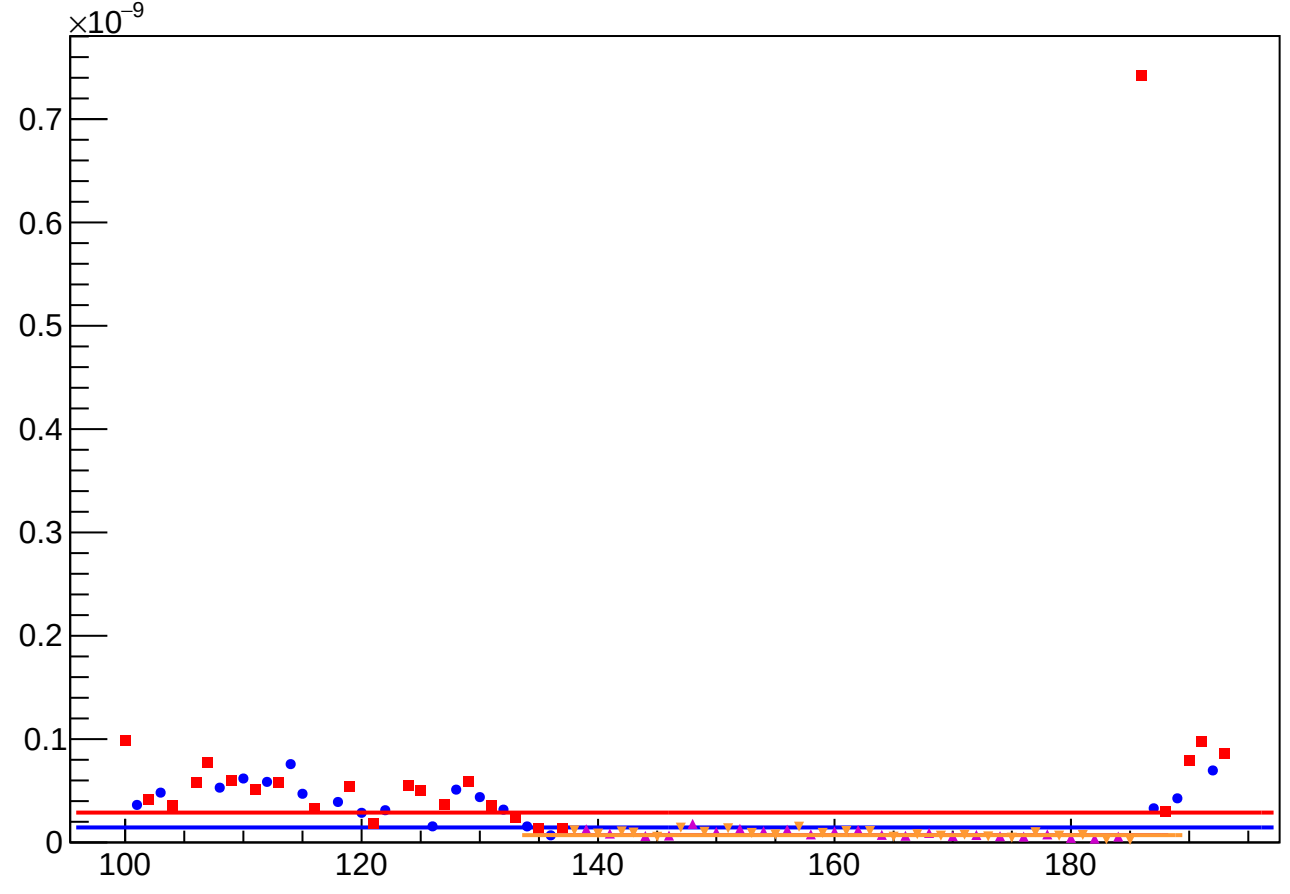
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/23

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: 97.2/90

- sign 0.000+/-0.000 χ^2/NDF: 38.1/46



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: 2674853.4/23

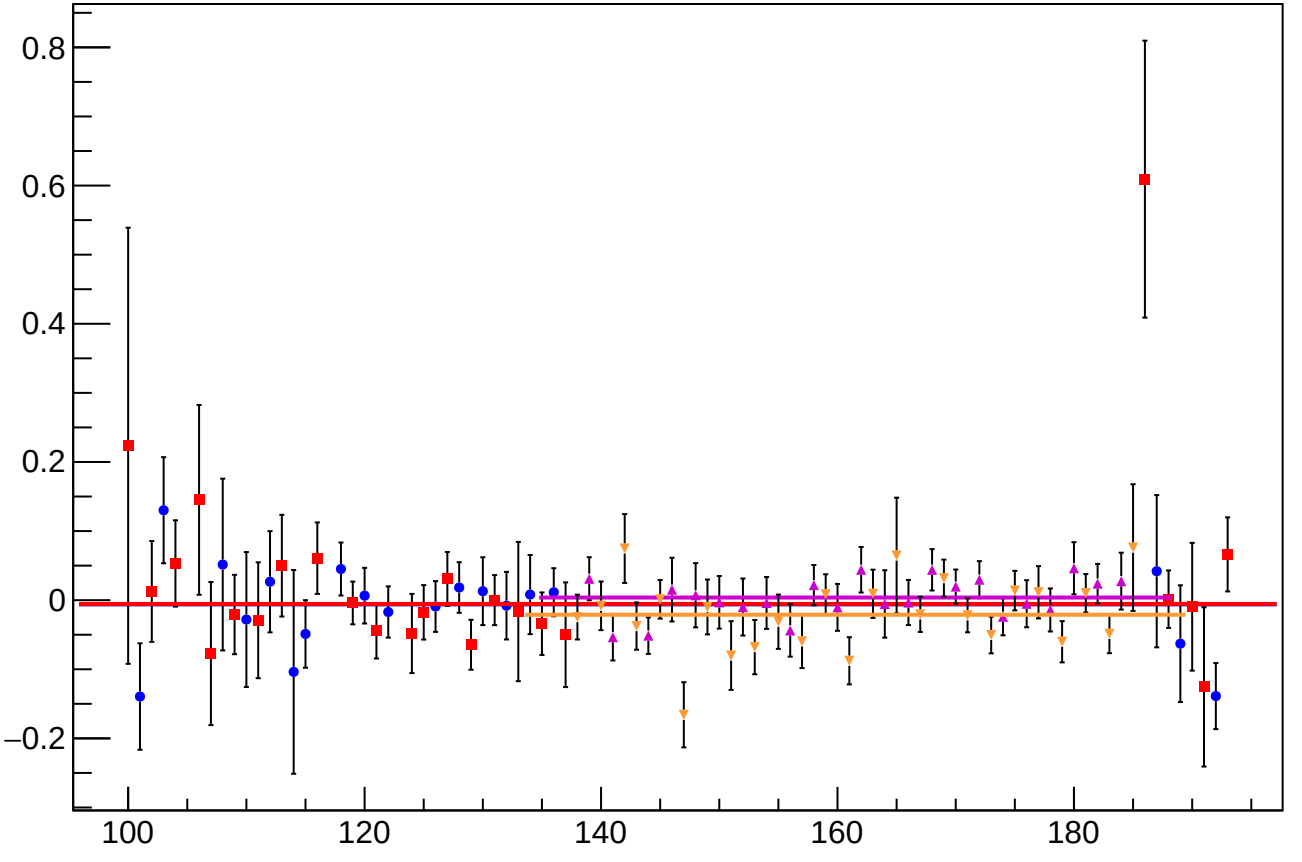
Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6733847.3/43

All: 0.000+/-0.000 χ^2/NDF: 14523541.8/90

- sign 0.000+/-0.000 χ^2/NDF: 7777027.4/46

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: -0.005+/-0.011 χ^2/NDF: 23.7/23

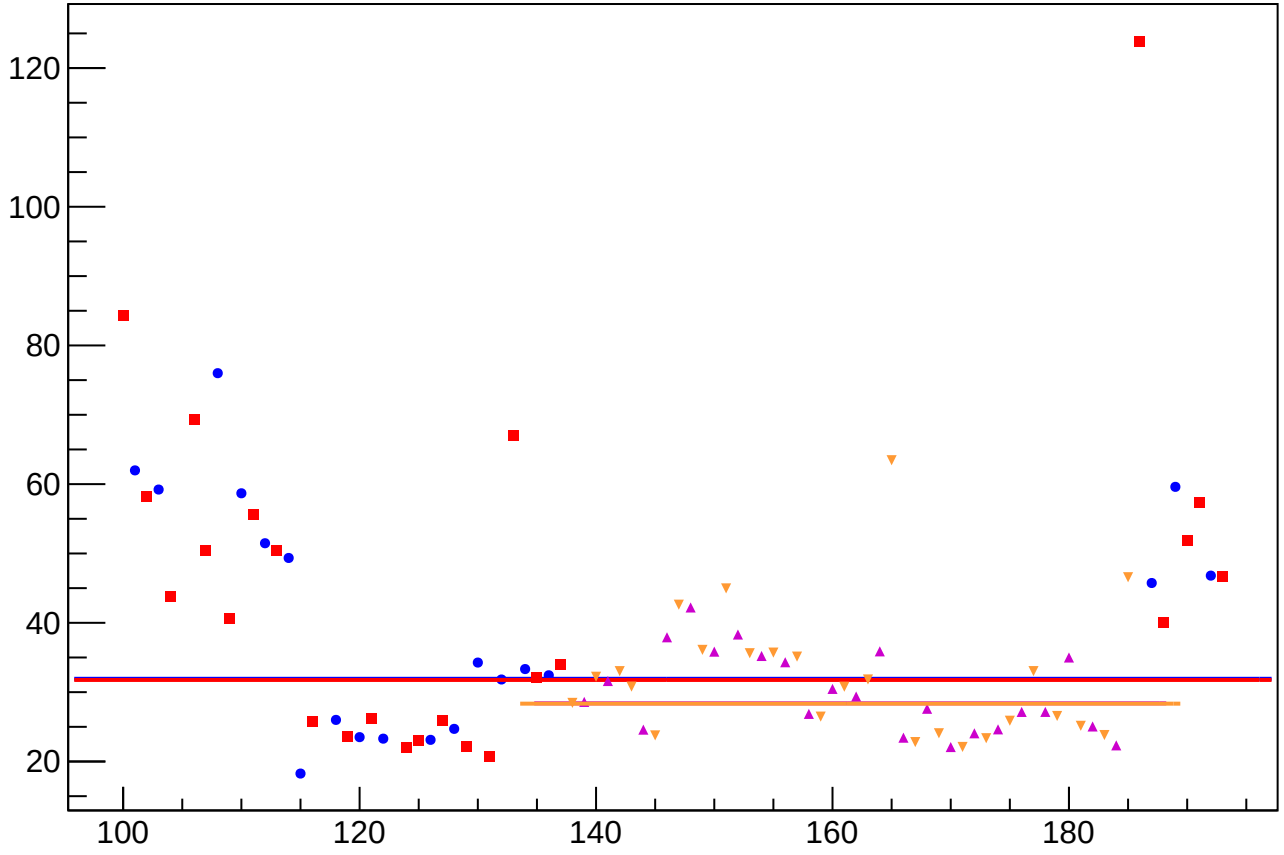
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.5/43

All: -0.008+/-0.004 χ^2/NDF: 105.5/90

- sign 0.001+/-0.006 χ^2/NDF: 42.9/46

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



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: 31.762+/-0.008 χ^2/NDF: 2774865.0/23

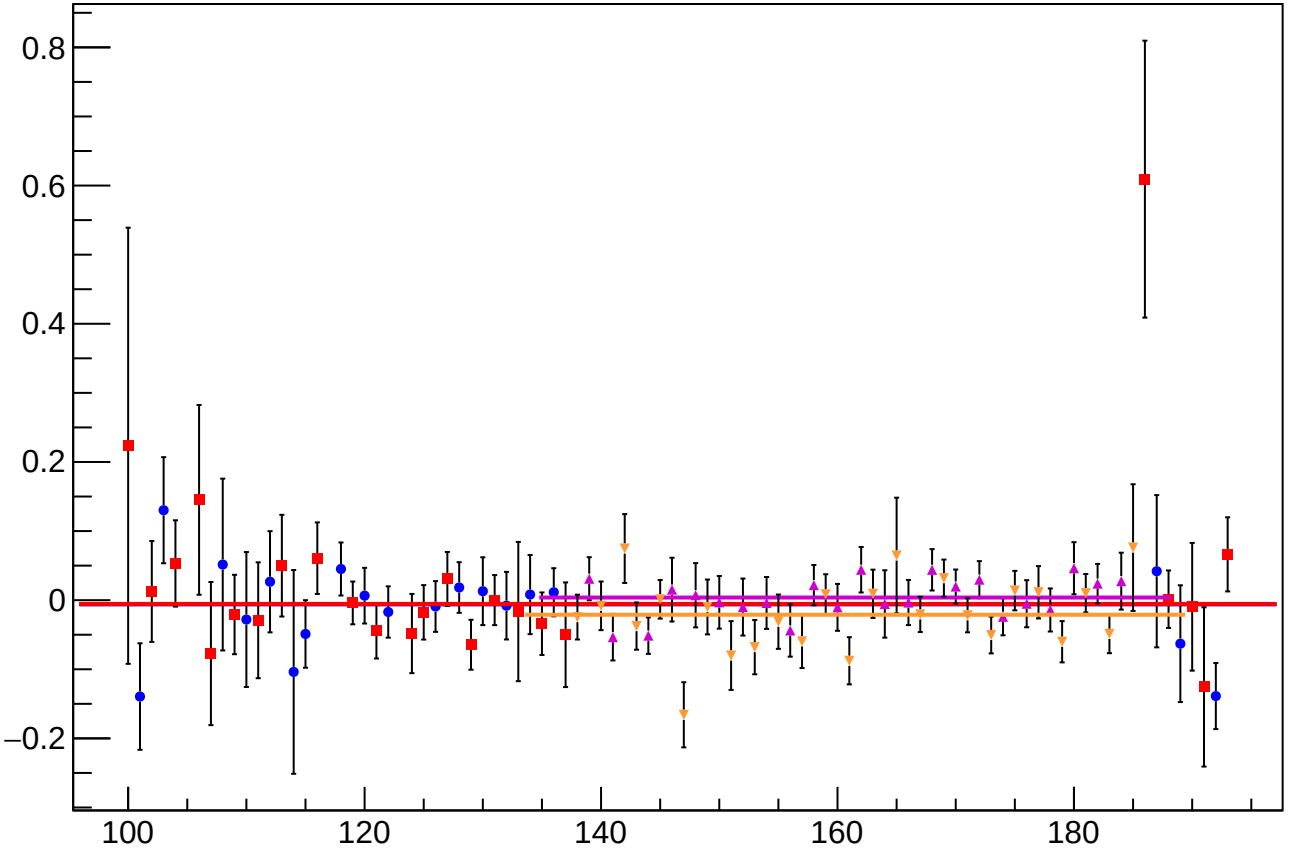
Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

\+ sign 29.219+/-0.004 χ^2/NDF: 4042467.2/43

All: 29.278+/-0.003 χ^2/NDF: 8052420.7/90

\- sign 29.337+/-0.004 χ^2/NDF: 4009543.8/46

asym_sam_15_26_dd_dit_vs_eigen_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

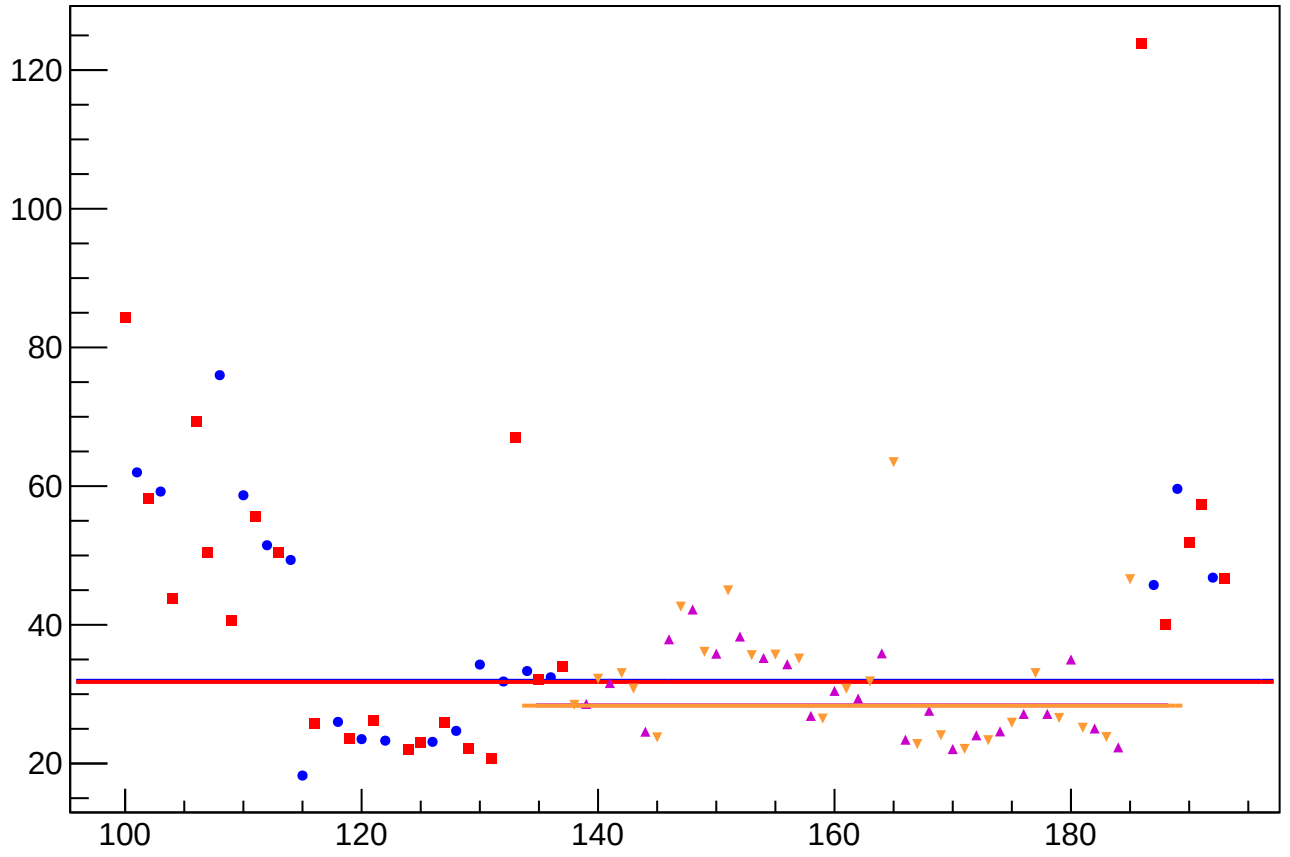
Right Out: -0.005+/-0.011 χ^2/NDF: 23.7/23

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.5/43

All: -0.008+/-0.004 χ^2/NDF: 105.5/90

- sign 0.001+/-0.006 χ^2/NDF: 42.9/46



Right In: 31.926+/-0.008 χ^2/NDF: 2167447.6/18

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

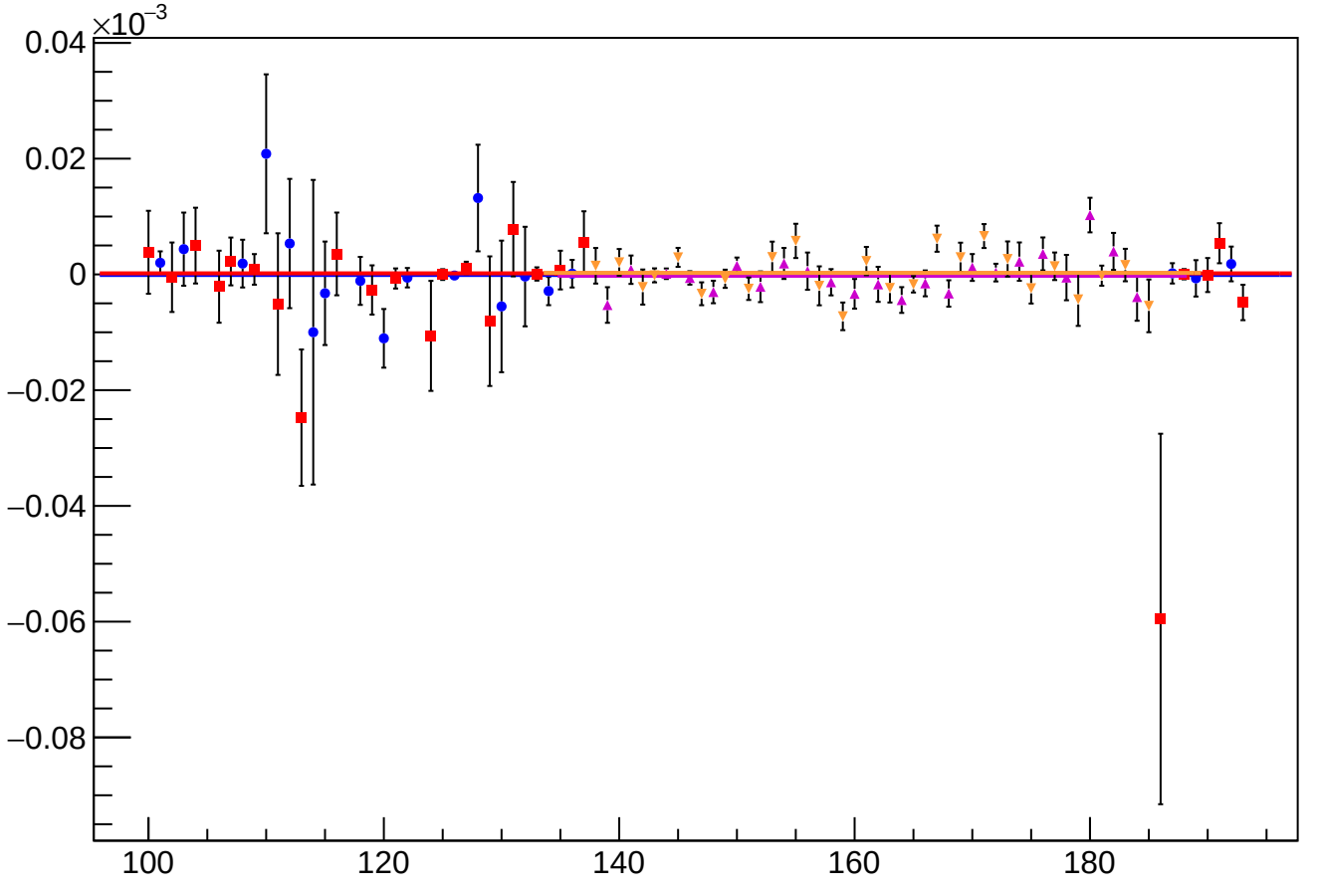
Right Out: 31.762+/-0.008 χ^2/NDF: 2774865.0/23

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

\+ sign 29.219+/-0.004 χ^2/NDF: 4042467.2/43

All: 29.278+/-0.003 χ^2/NDF: 8052420.7/90

\- sign 29.337+/-0.004 χ^2/NDF: 4009543.8/46



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

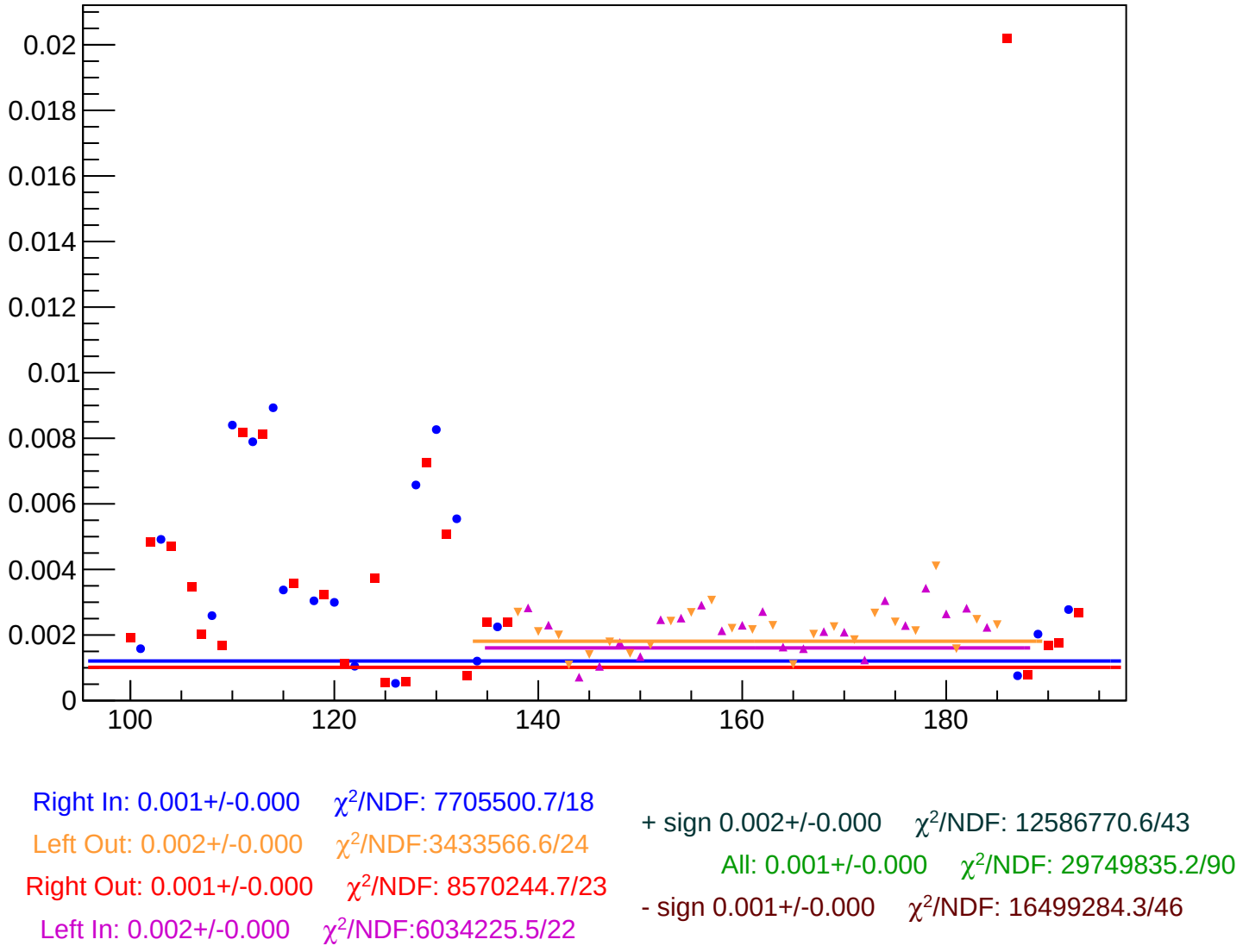
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/23

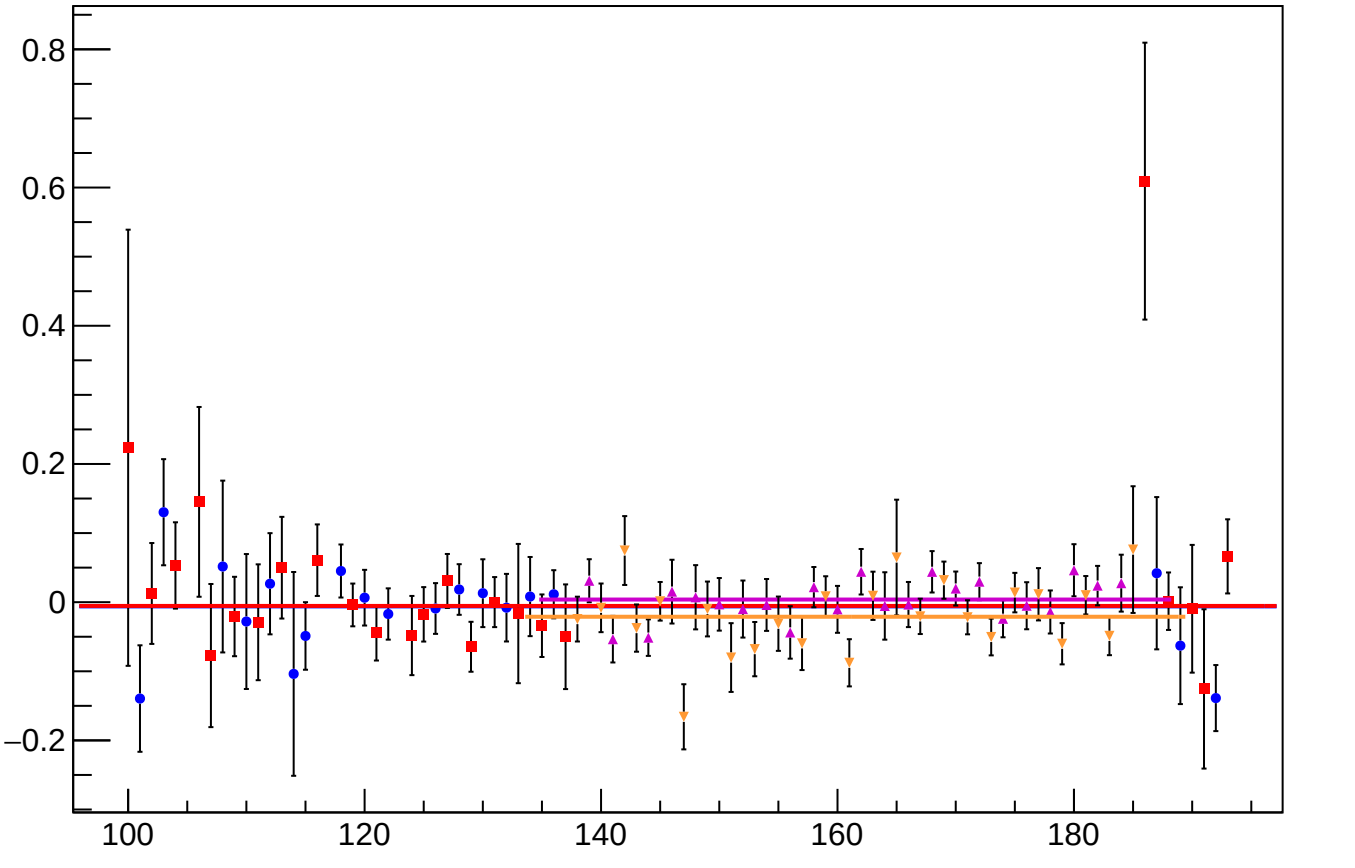
Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.6/43

All: 0.000+/-0.000 χ^2/NDF: 118.4/90

- sign -0.000+/-0.000 χ^2/NDF: 53.7/46


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: 8570244.7/23
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: 29749835.2/90
- sign 0.001+/-0.000 χ²/NDF: 16499284.3/46



Right In: -0.006+/-0.012 χ^2/NDF: 19.1/18

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

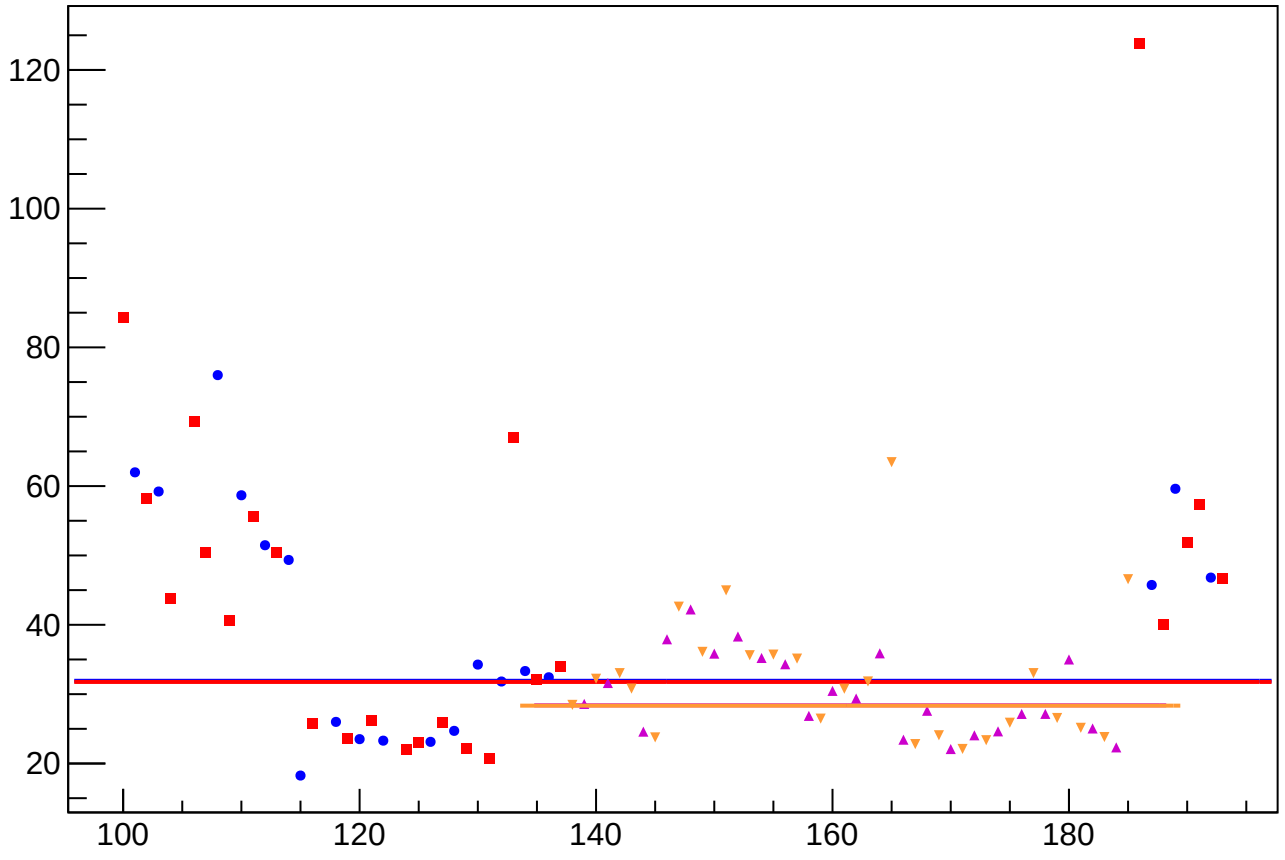
Right Out: -0.005+/-0.011 χ^2/NDF: 23.7/23

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.5/43

All: -0.008+/-0.004 χ^2/NDF: 105.5/90

- sign 0.001+/-0.006 χ^2/NDF: 42.9/46



Right In: 31.926+/-0.008 χ^2/NDF: 2167297.6/18

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

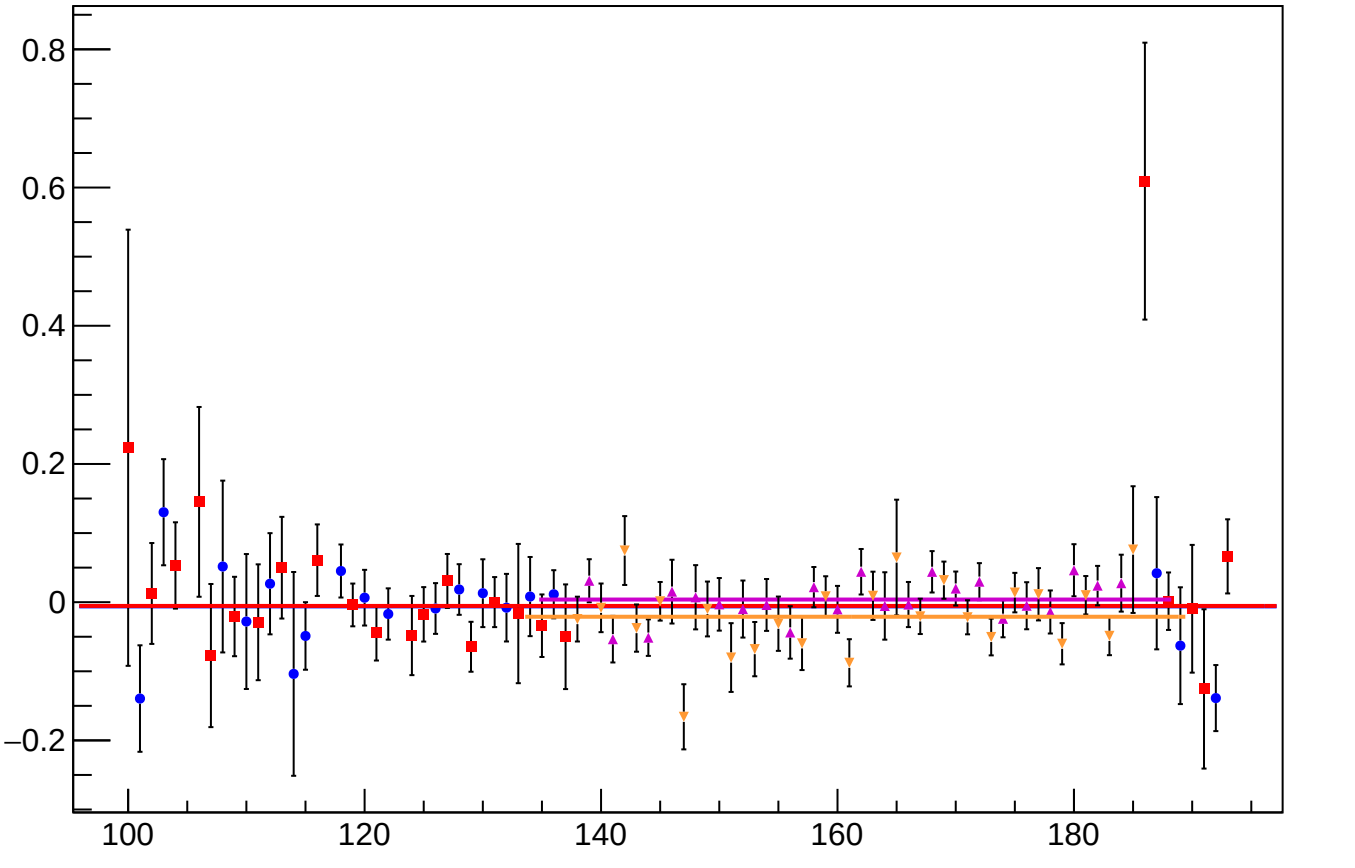
Right Out: 31.761+/-0.008 χ^2/NDF: 2774857.2/23

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 29.220+/-0.004 χ^2/NDF: 4042309.5/43

All: 29.278+/-0.003 χ^2/NDF: 8052196.7/90

\- sign 29.337+/-0.004 χ^2/NDF: 4009477.7/46



Right In: -0.006+/-0.012 χ^2/NDF: 19.1/18

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

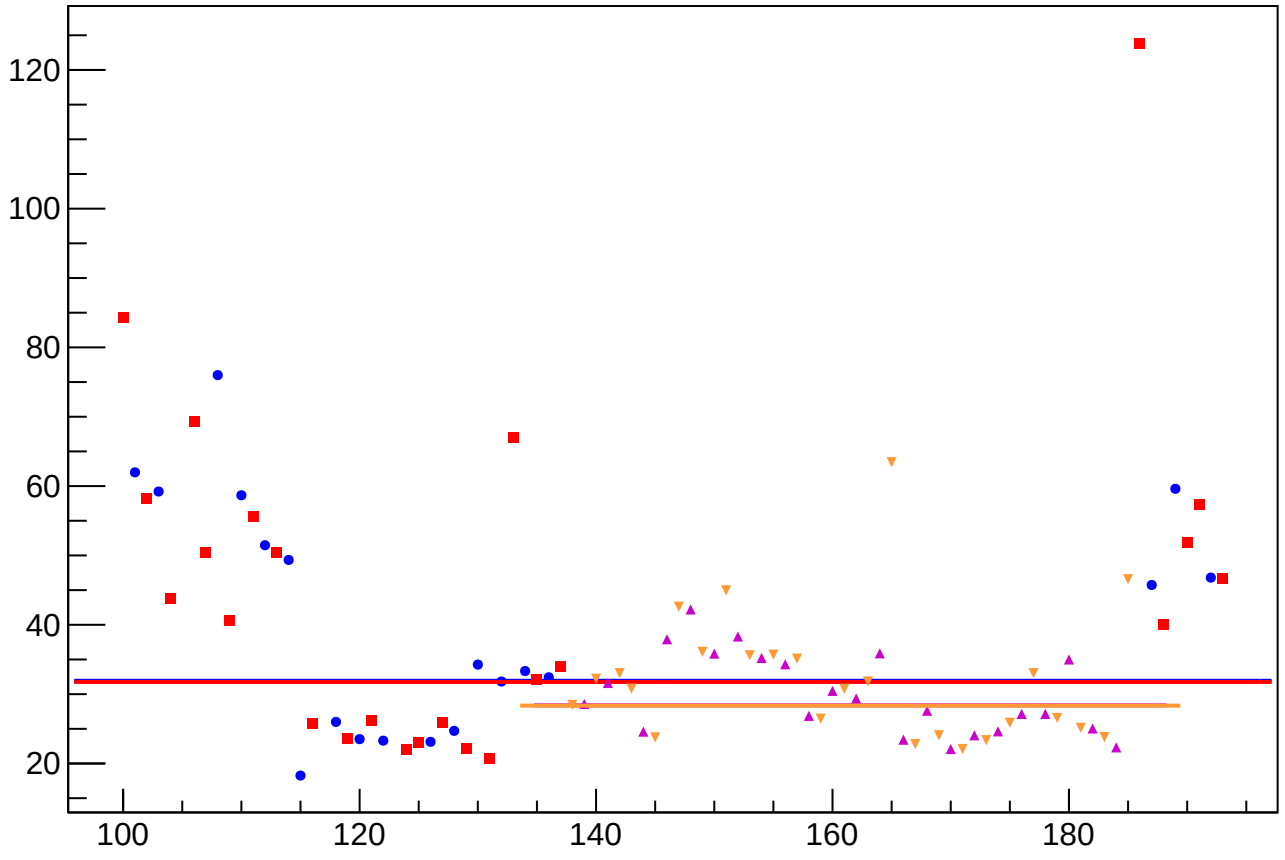
Right Out: -0.005+/-0.011 χ^2/NDF: 23.7/23

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.5/43

All: -0.008+/-0.004 χ^2/NDF: 105.5/90

- sign 0.001+/-0.006 χ^2/NDF: 42.9/46



Right In: 31.926+/-0.008 χ^2/NDF: 2167297.6/18

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

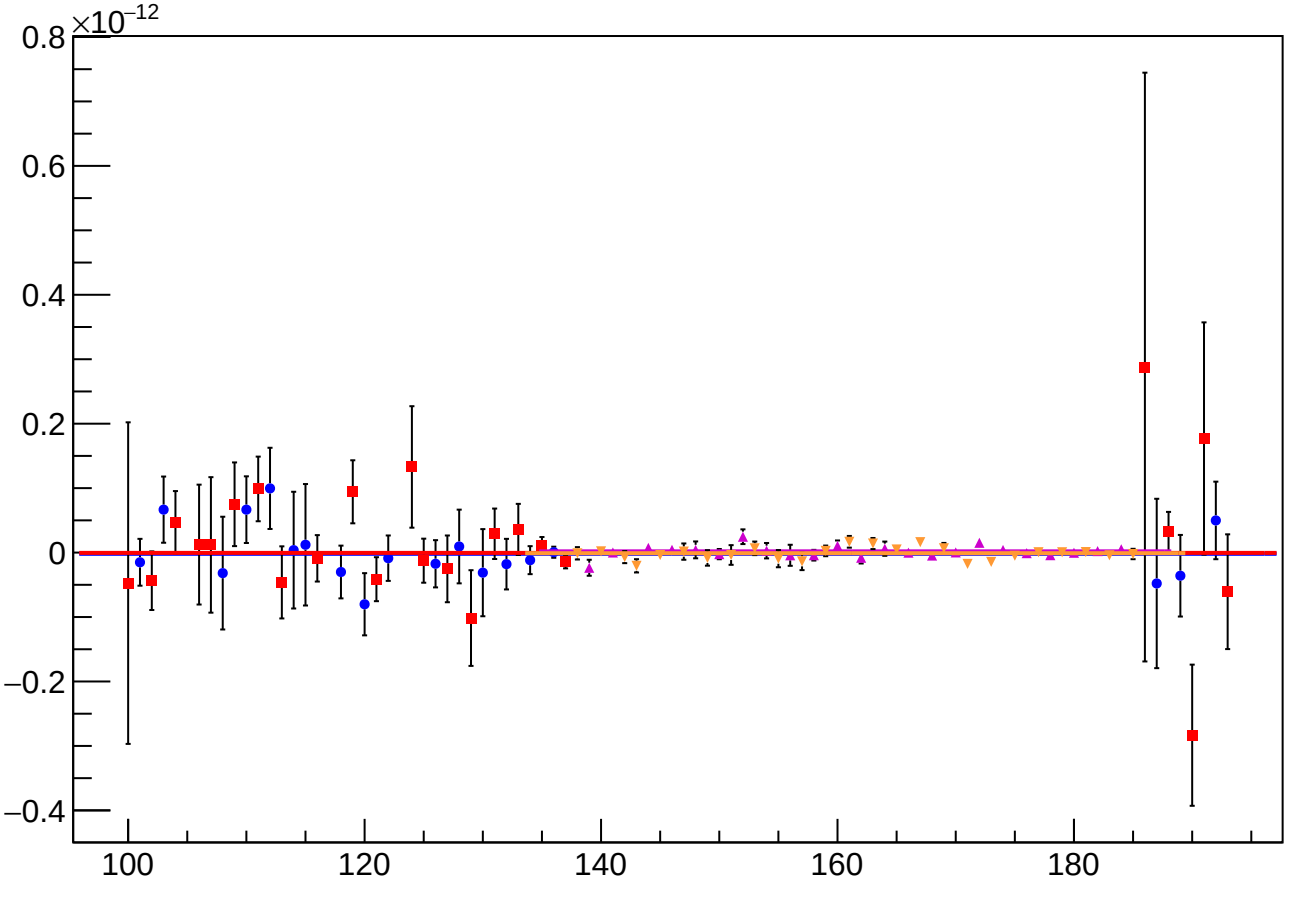
Right Out: 31.761+/-0.008 χ^2/NDF: 2774857.2/23

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 29.220+/-0.004 χ^2/NDF: 4042309.5/43

All: 29.278+/-0.003 χ^2/NDF: 8052196.7/90

\- sign 29.337+/-0.004 χ^2/NDF: 4009477.7/46



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

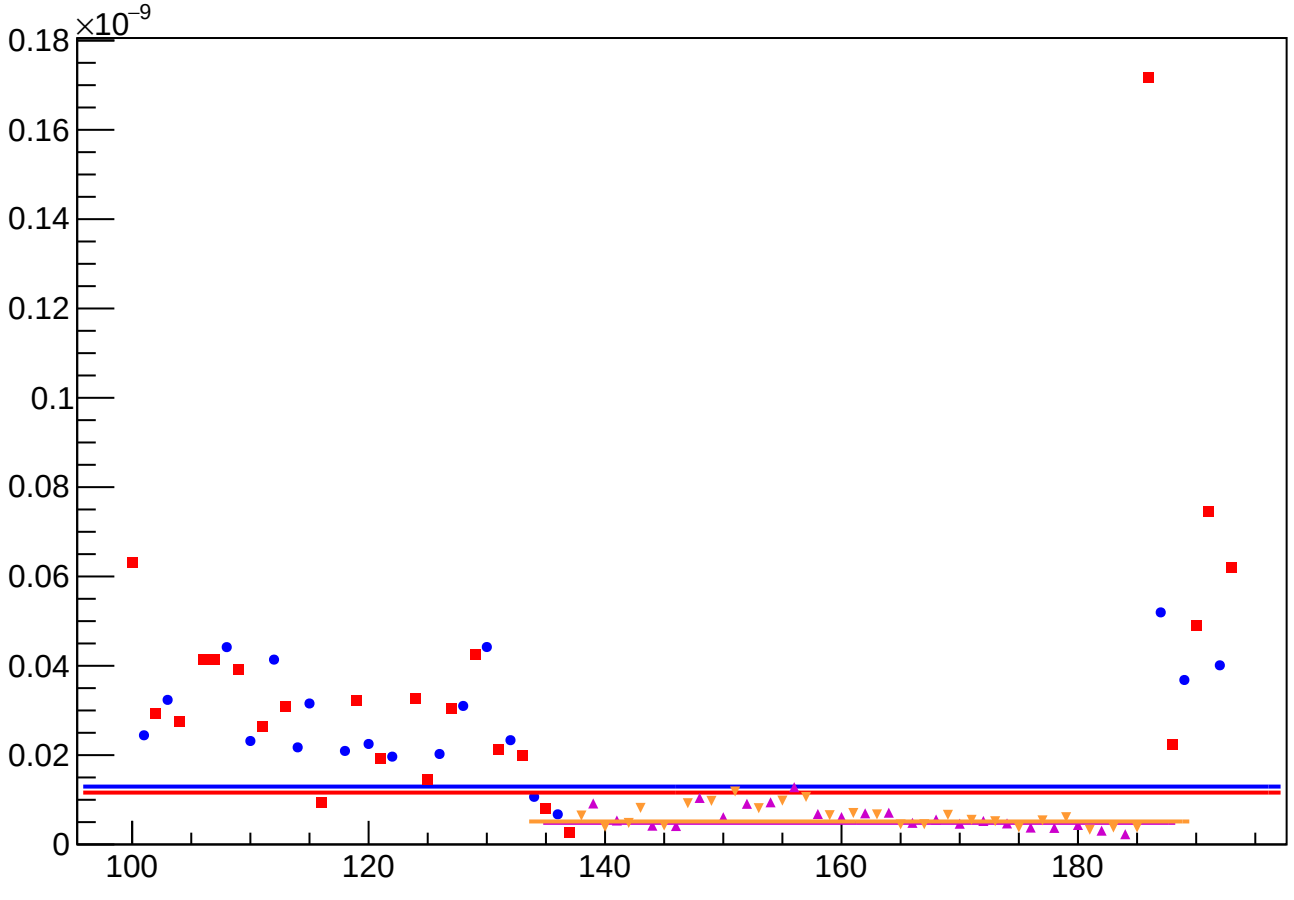
Right Out: -0.000+/-0.000 χ^2/NDF: 31.0/23

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: 98.3/90

- sign 0.000+/-0.000 χ^2/NDF: 50.7/46



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: 6426895.3/23

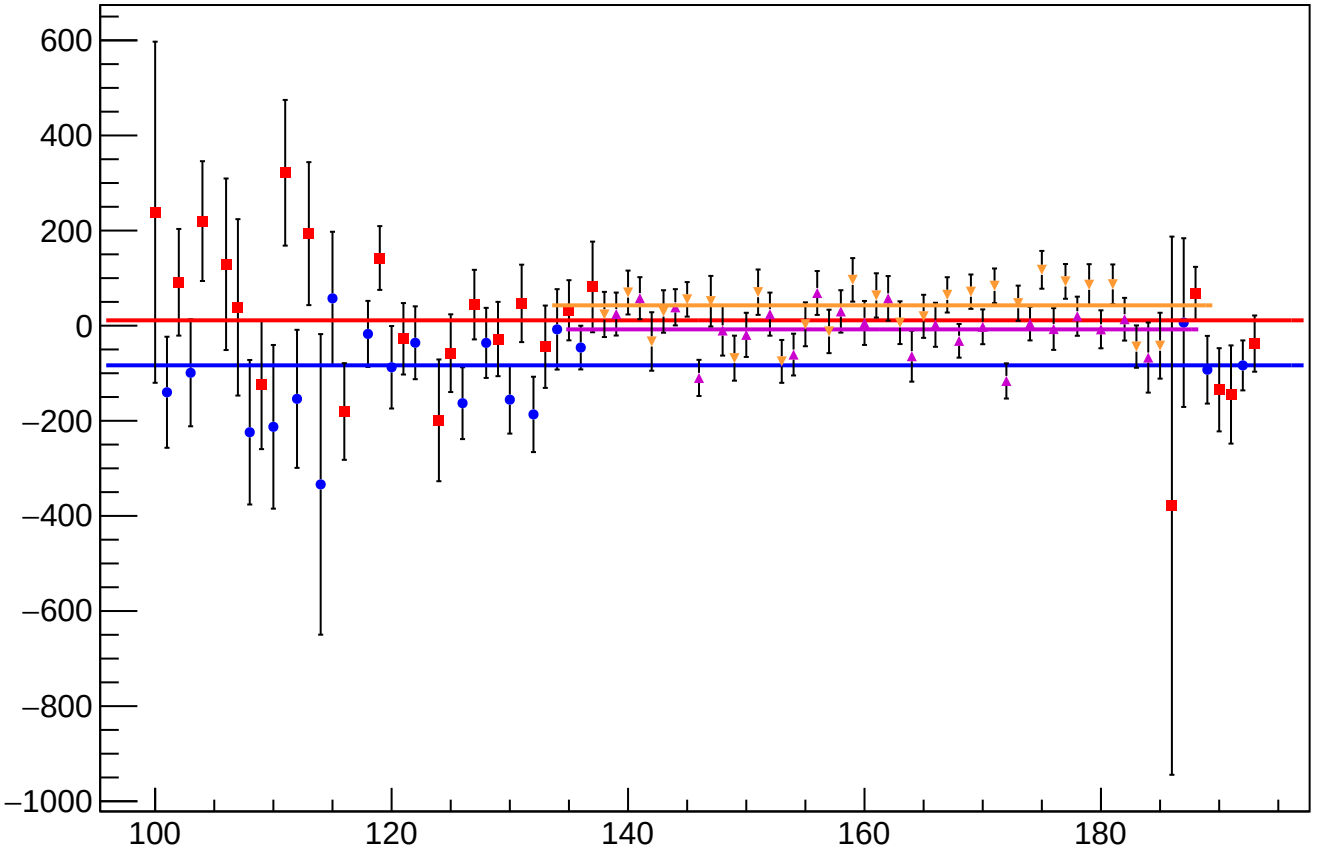
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9936628.5/43

All: 0.000+/-0.000 χ^2/NDF: 21544238.5/90

- sign 0.000+/-0.000 χ^2/NDF: 11549747.6/46

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: 11.251+/-18.612 χ^2/NDF: 30.7/23

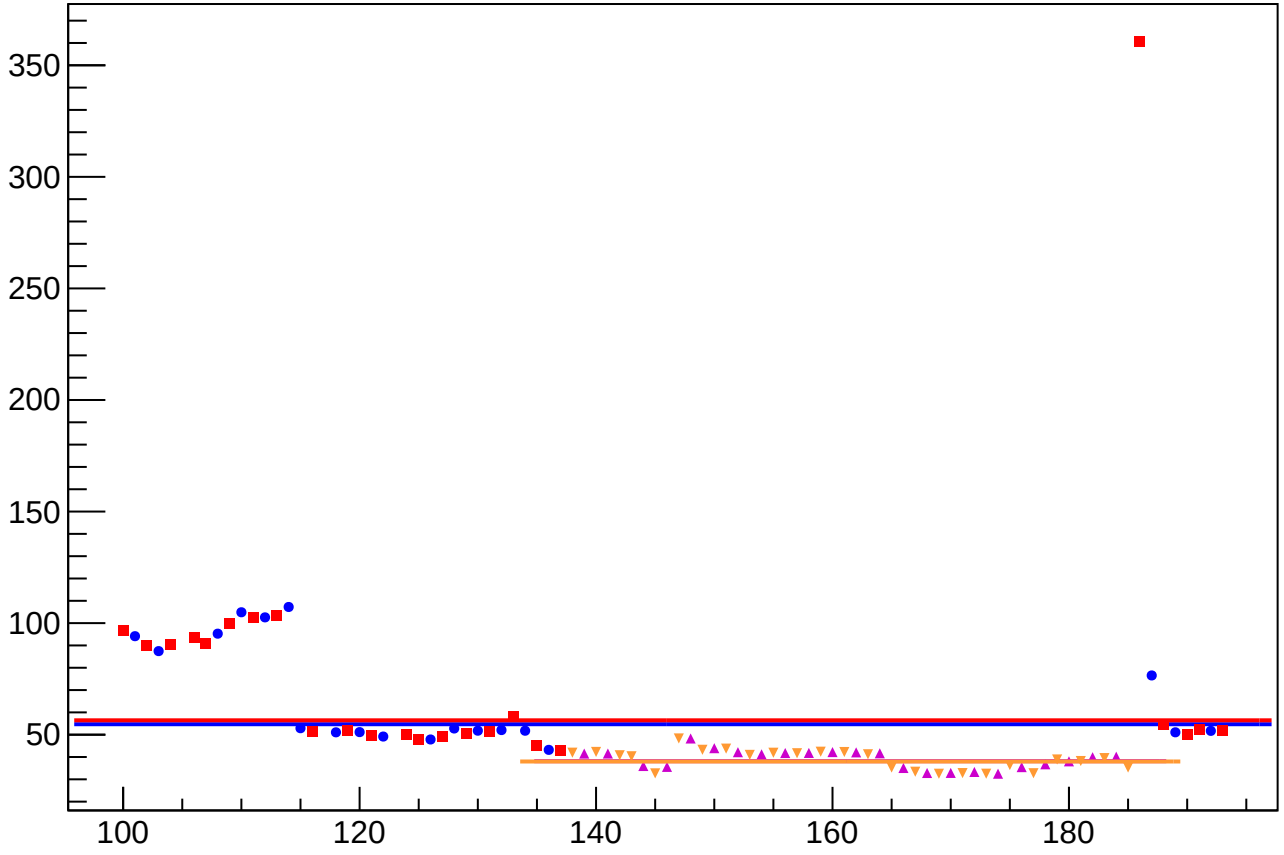
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 20.924+/-7.909 χ^2/NDF: 82.0/43

All: 8.640+/-5.653 χ^2/NDF: 149.0/90

- sign -4.193+/-8.084 χ^2/NDF: 62.1/46

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

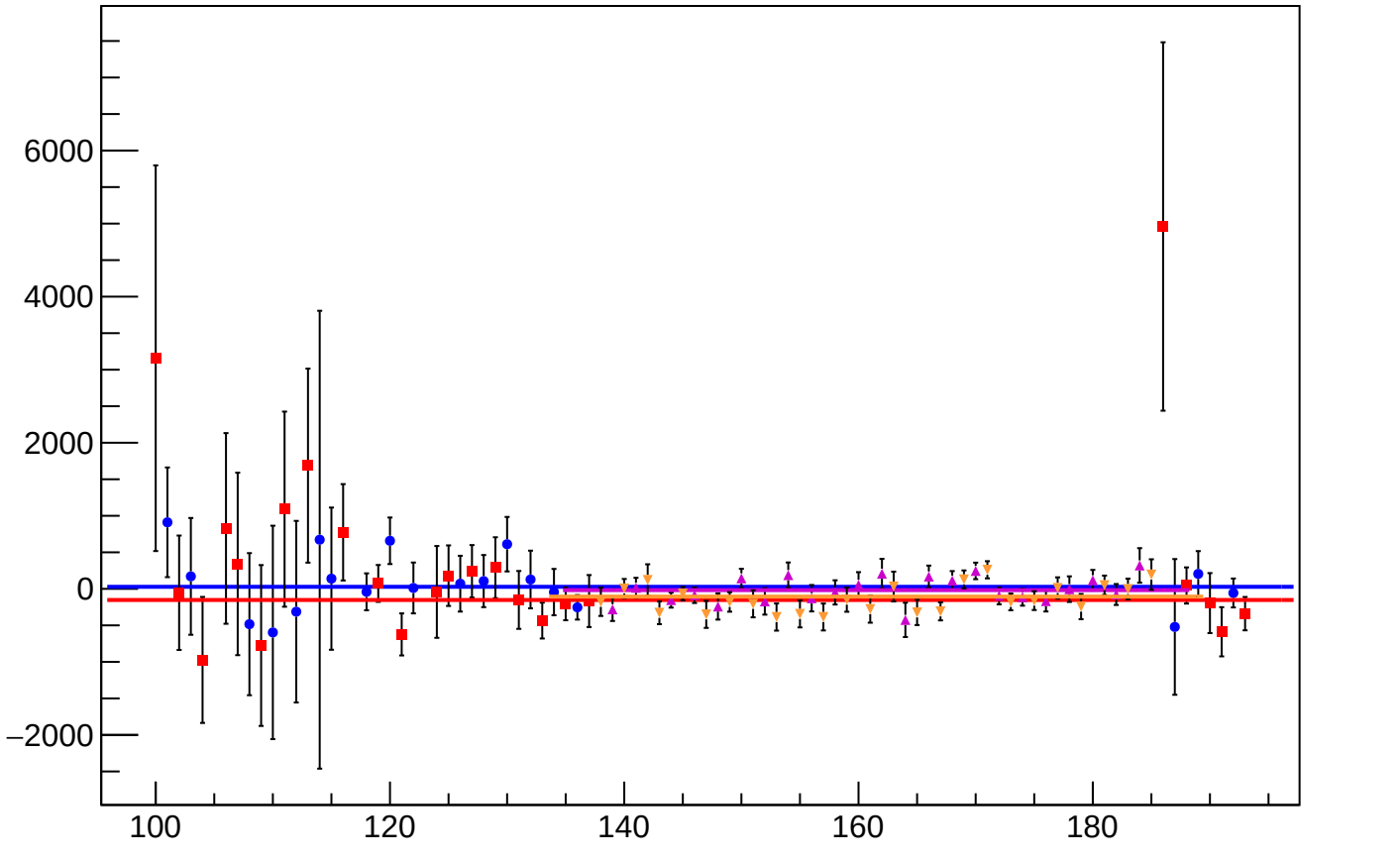
Right Out: 56.444+/-0.013 χ^2/NDF: 1893030.2/23

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.882+/-0.006 χ^2/NDF: 2986367.5/43

All: 41.227+/-0.004 χ^2/NDF: 6886217.7/90

- sign 41.587+/-0.006 χ^2/NDF: 3892082.6/46



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: -152.569+/-79.233 χ^2/NDF: 23.3/23

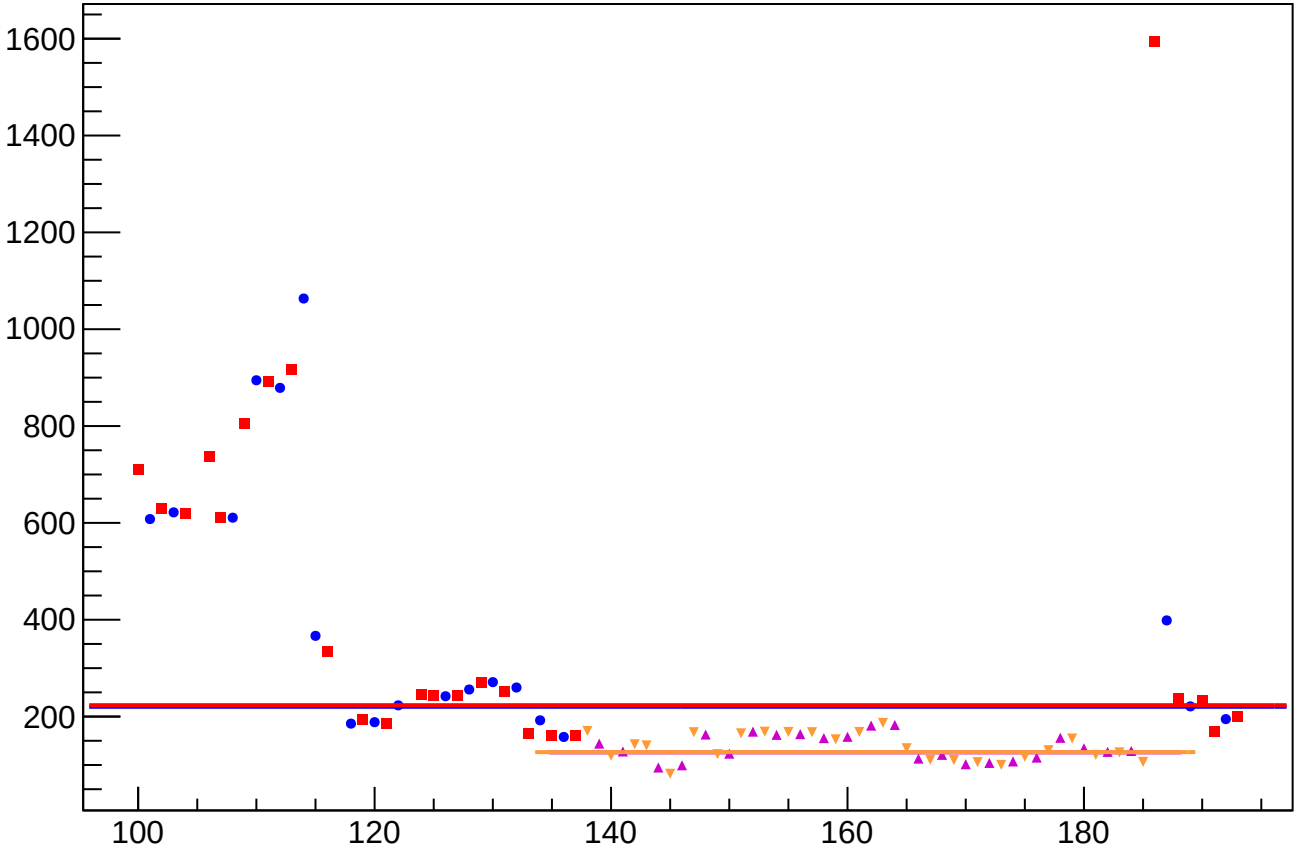
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -90.826+/-27.784 χ^2/NDF: 52.3/43

All: -63.155+/-19.794 χ^2/NDF: 108.4/90

- sign -34.634+/-28.208 χ^2/NDF: 54.0/46

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: 223.516+/-0.056 χ^2/NDF: 4313855.7/23

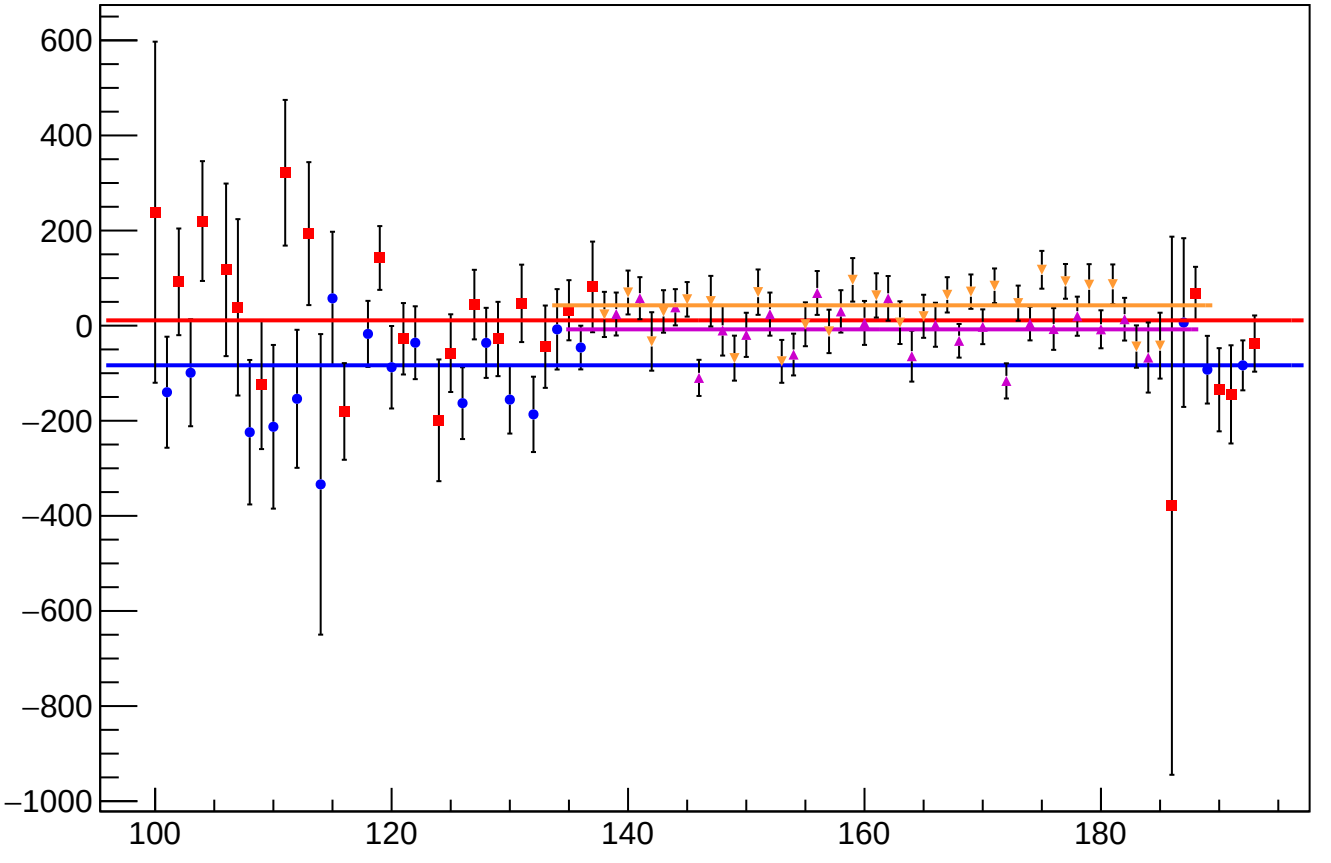
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 137.495+/-0.020 χ^2/NDF: 7180190.0/43

All: 137.927+/-0.014 χ^2/NDF: 15550514.7/90

- sign 138.371+/-0.020 χ^2/NDF: 8369345.2/46

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: 11.142+/-18.614 χ^2/NDF: 30.6/23

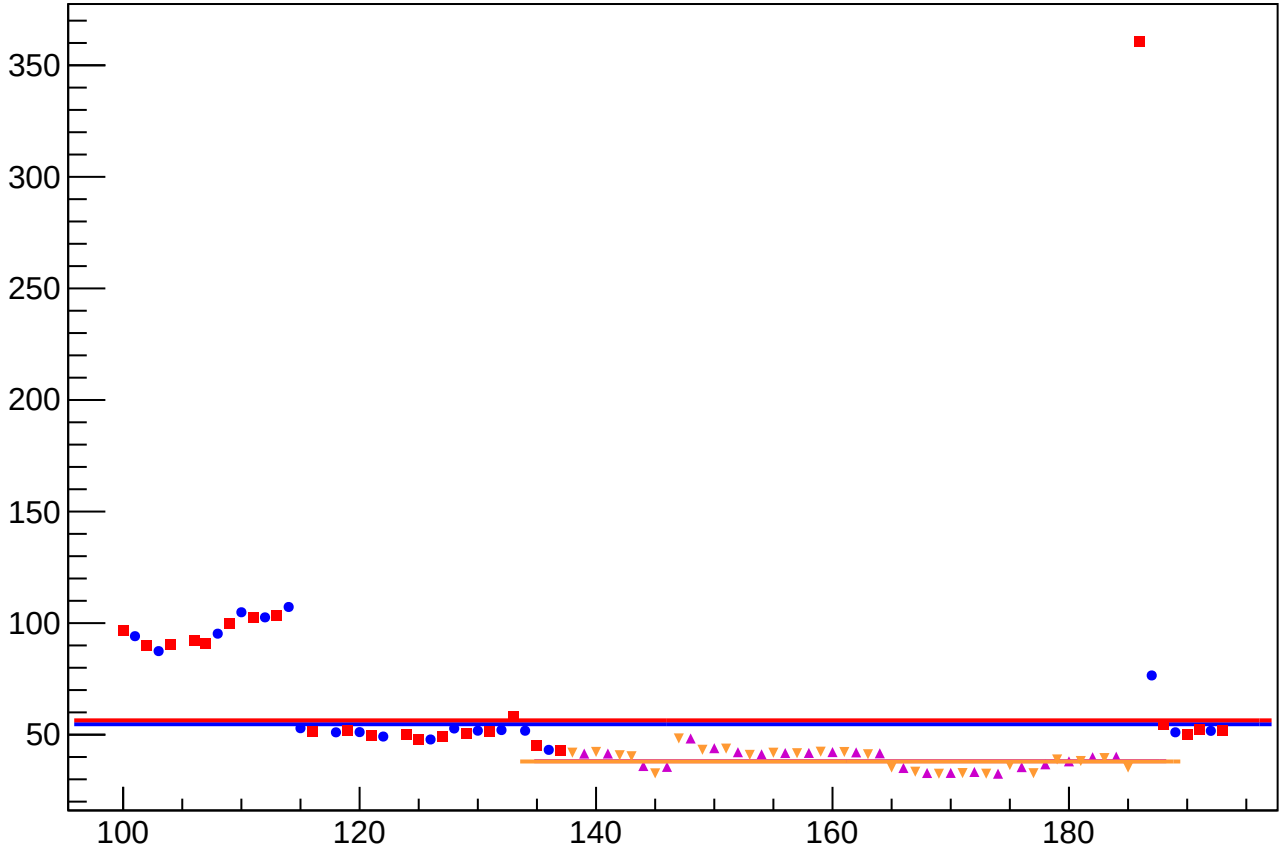
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 20.927+/-7.909 χ^2/NDF: 82.0/43

All: 8.630+/-5.653 χ^2/NDF: 149.0/90

- sign -4.215+/-8.084 χ^2/NDF: 62.0/46

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

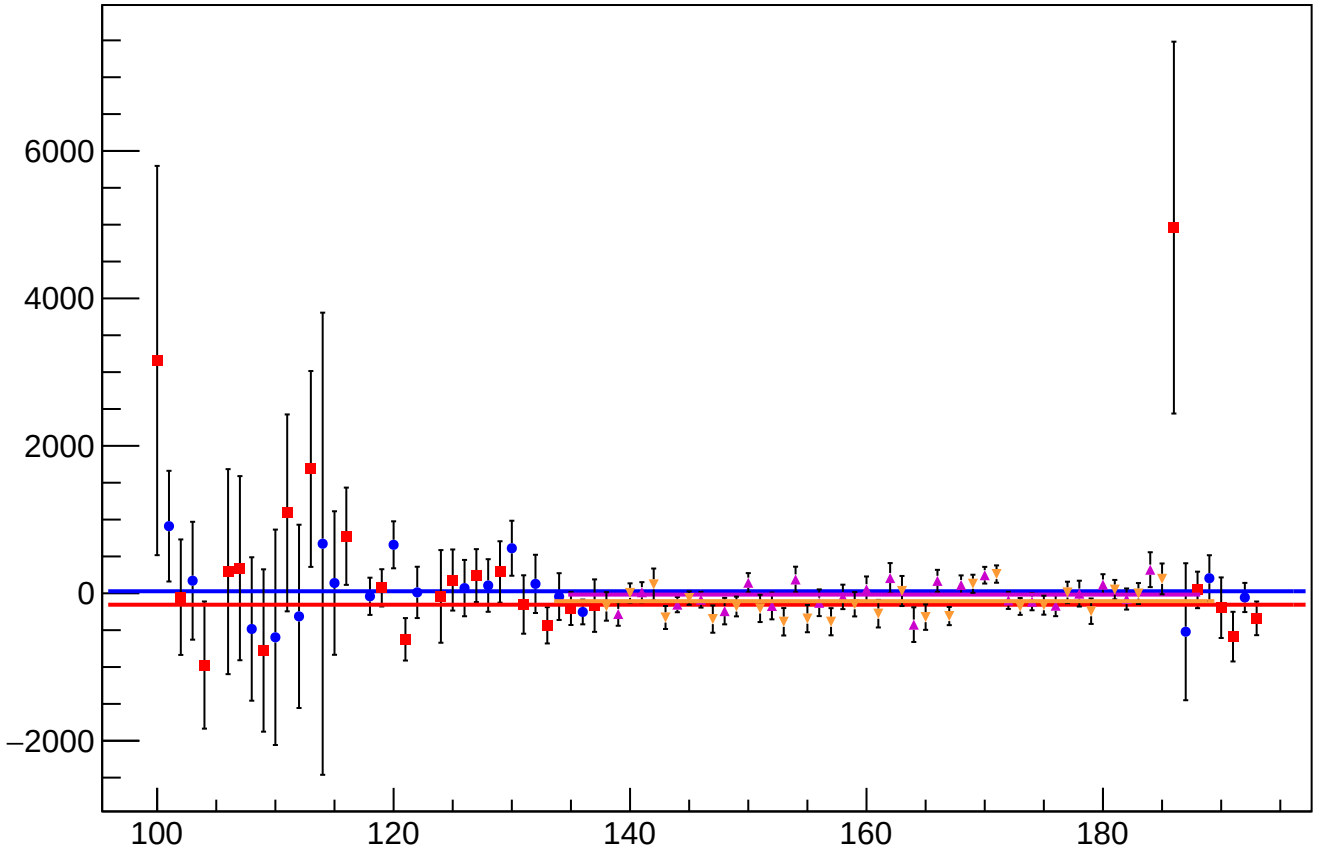
Right Out: 56.424+/-0.013 χ^2/NDF: 1885369.6/23

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.882+/-0.006 χ^2/NDF: 2986367.7/43

All: 41.225+/-0.004 χ^2/NDF: 6874742.2/90

- sign 41.583+/-0.006 χ^2/NDF: 3880701.2/46



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: -154.702+/-79.250 χ^2/NDF: 22.8/23

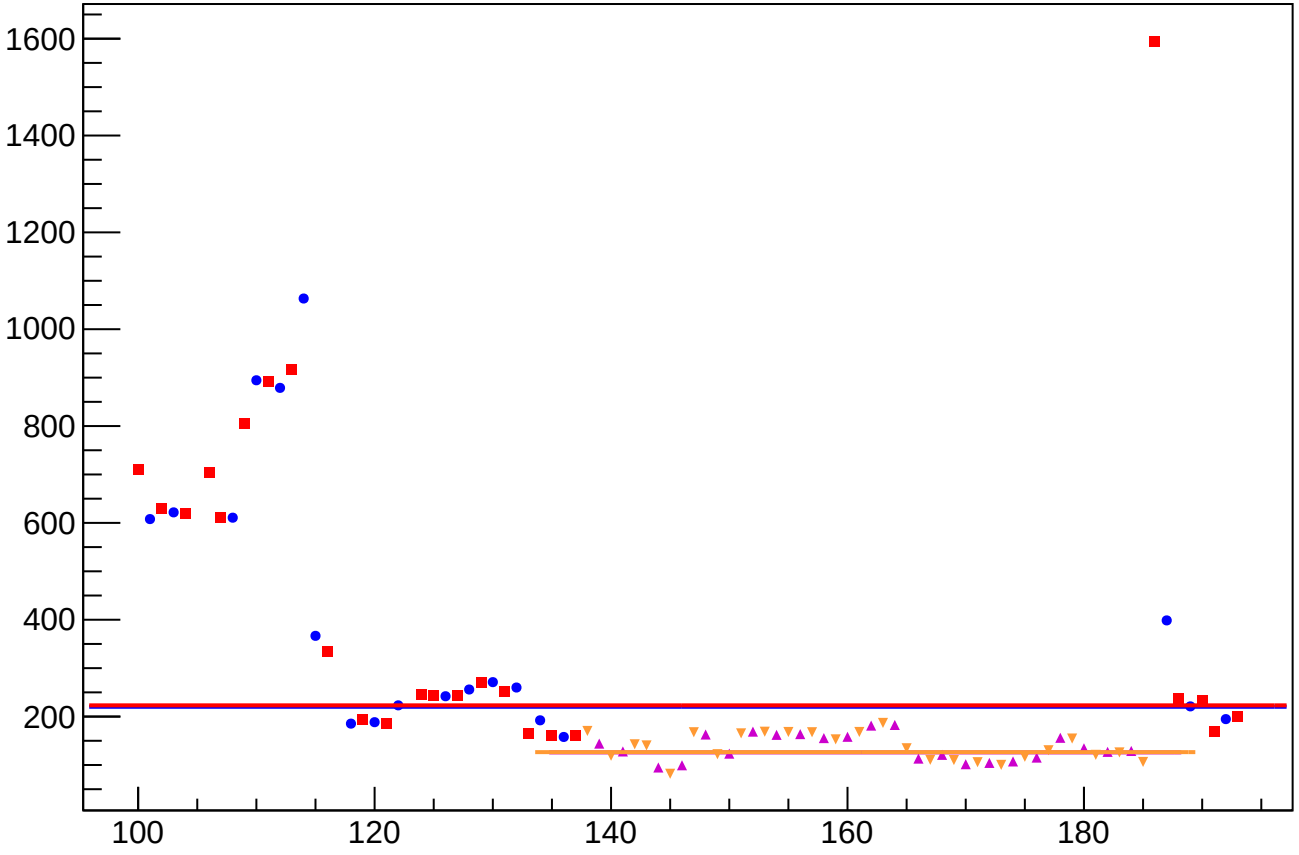
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -90.825+/-27.784 χ^2/NDF: 52.3/43

All: -63.285+/-19.795 χ^2/NDF: 108.0/90

- sign -34.898+/-28.208 χ^2/NDF: 53.6/46

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: 223.187+/-0.056 χ^2/NDF: 4244360.4/23

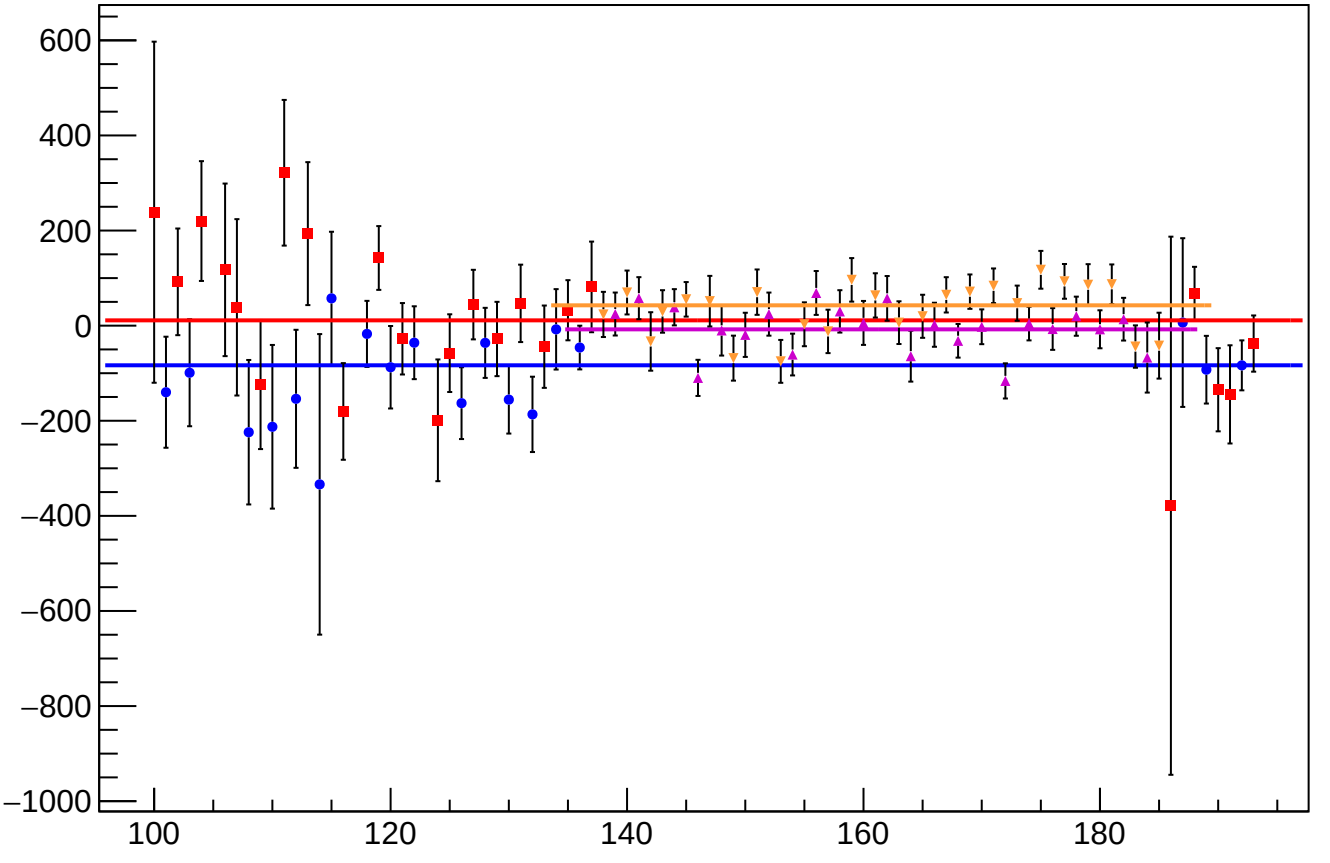
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 137.495+/-0.020 χ^2/NDF: 7180190.5/43

All: 137.904+/-0.014 χ^2/NDF: 15462049.3/90

- sign 138.325+/-0.020 χ^2/NDF: 8280981.0/46

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: 11.142+/-18.614 χ^2/NDF: 30.6/23

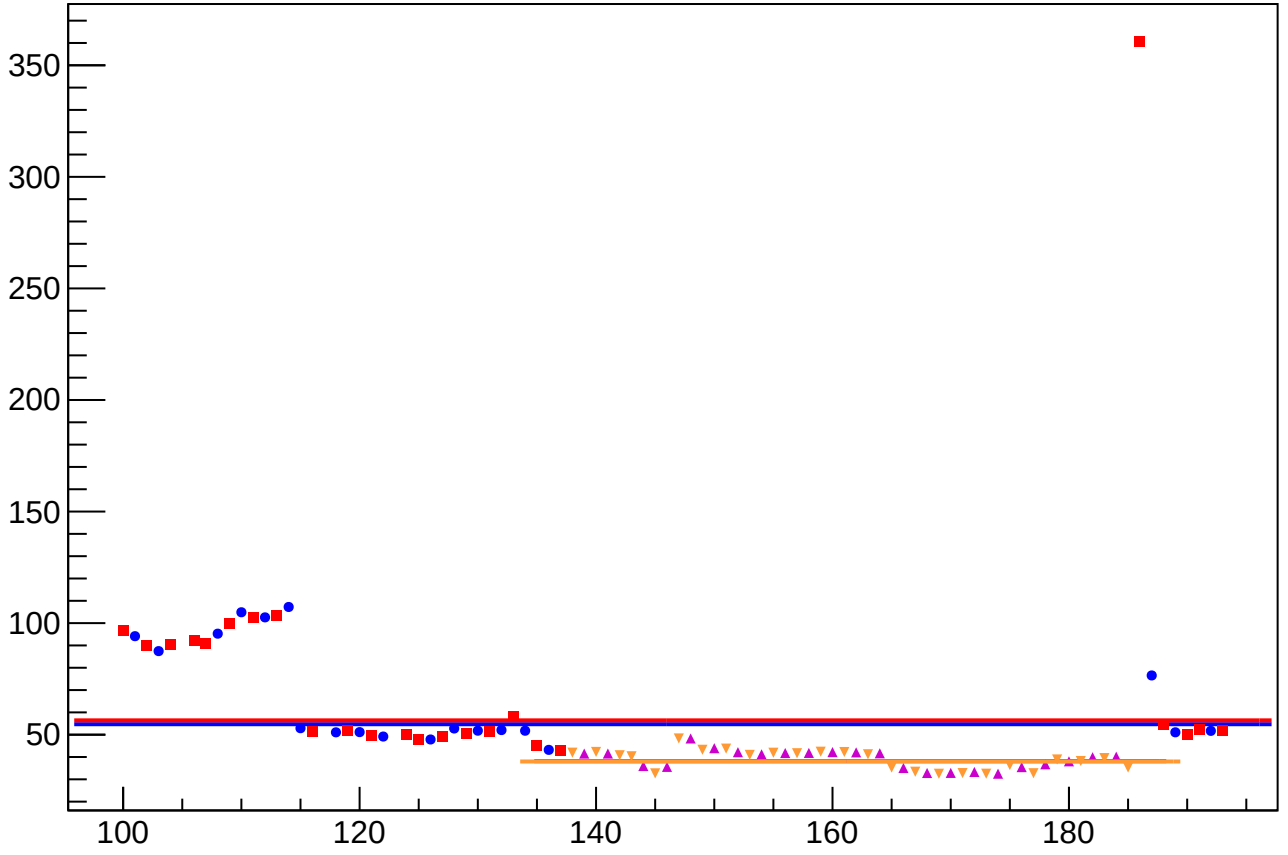
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 20.927+/-7.909 χ^2/NDF: 82.0/43

All: 8.630+/-5.653 χ^2/NDF: 149.0/90

- sign -4.215+/-8.084 χ^2/NDF: 62.0/46

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

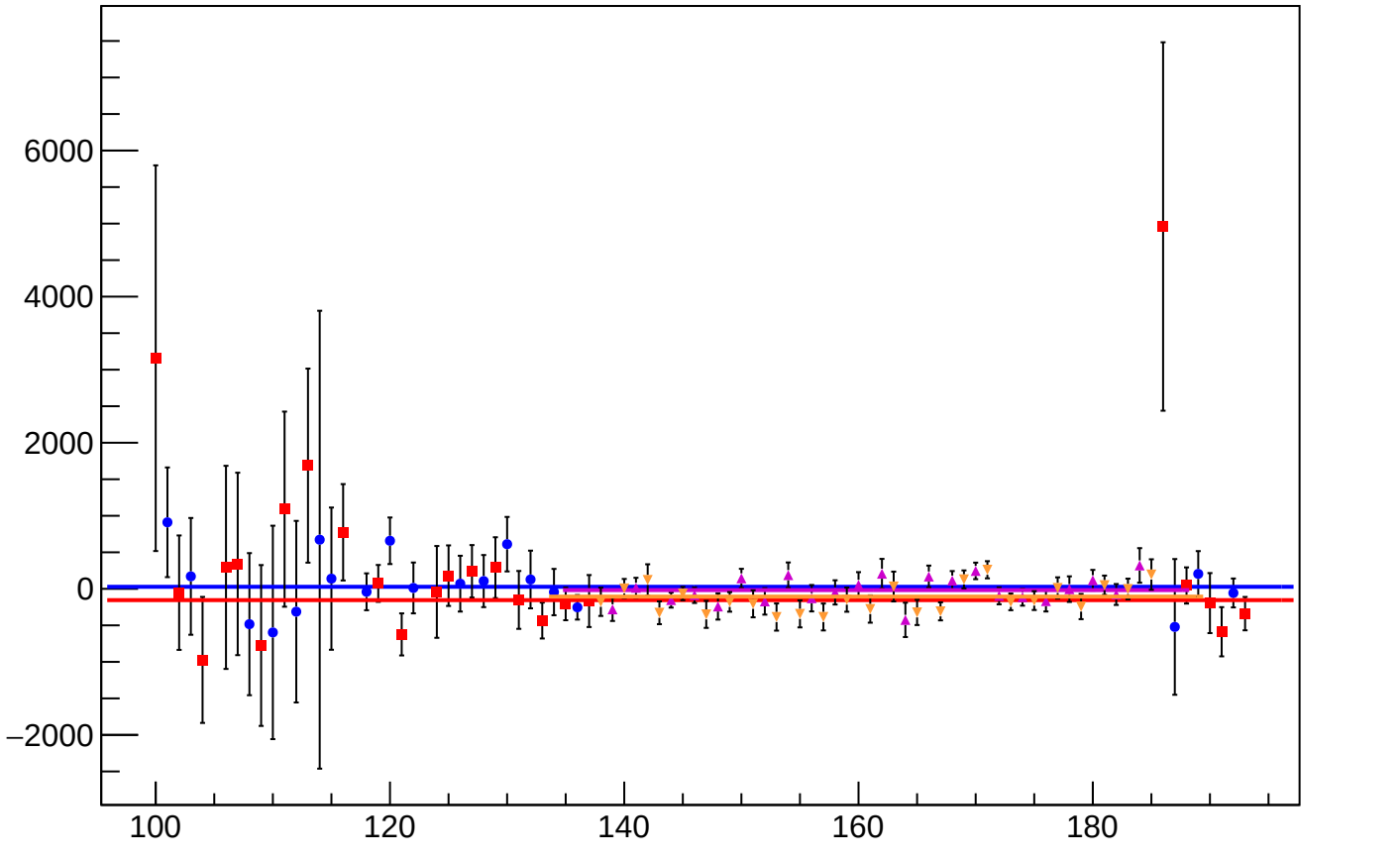
Right Out: 56.424+/-0.013 χ^2/NDF: 1885369.6/23

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.882+/-0.006 χ^2/NDF: 2986367.7/43

All: 41.225+/-0.004 χ^2/NDF: 6874742.2/90

- sign 41.583+/-0.006 χ^2/NDF: 3880701.2/46



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: -154.702+/-79.250 χ^2/NDF: 22.8/23

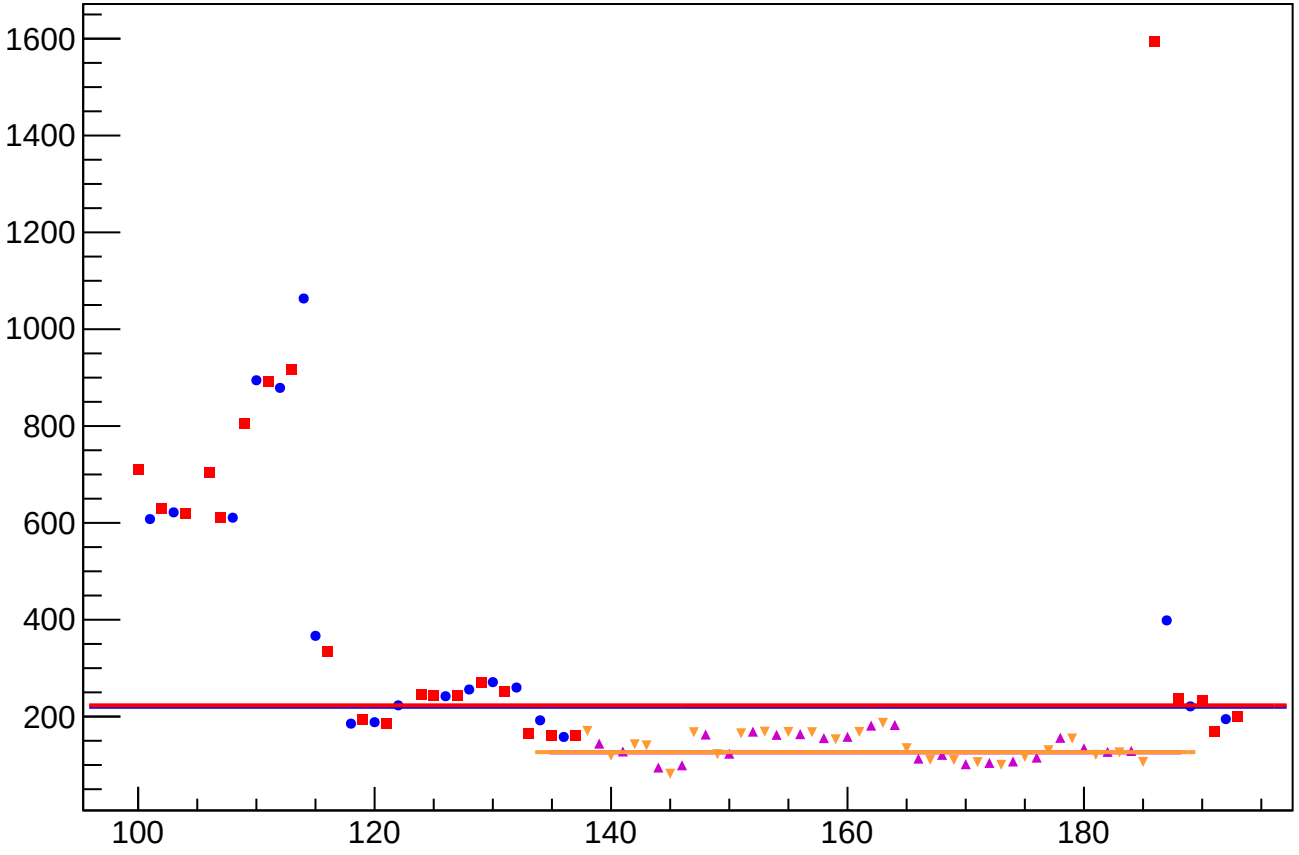
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

\+ sign -90.825+/-27.784 χ^2/NDF: 52.3/43

All: -63.285+/-19.795 χ^2/NDF: 108.0/90

\- sign -34.898+/-28.208 χ^2/NDF: 53.6/46

asym_sam_37_26_dd_eigen_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: 223.187+/-0.056 χ^2/NDF: 4244360.4/23

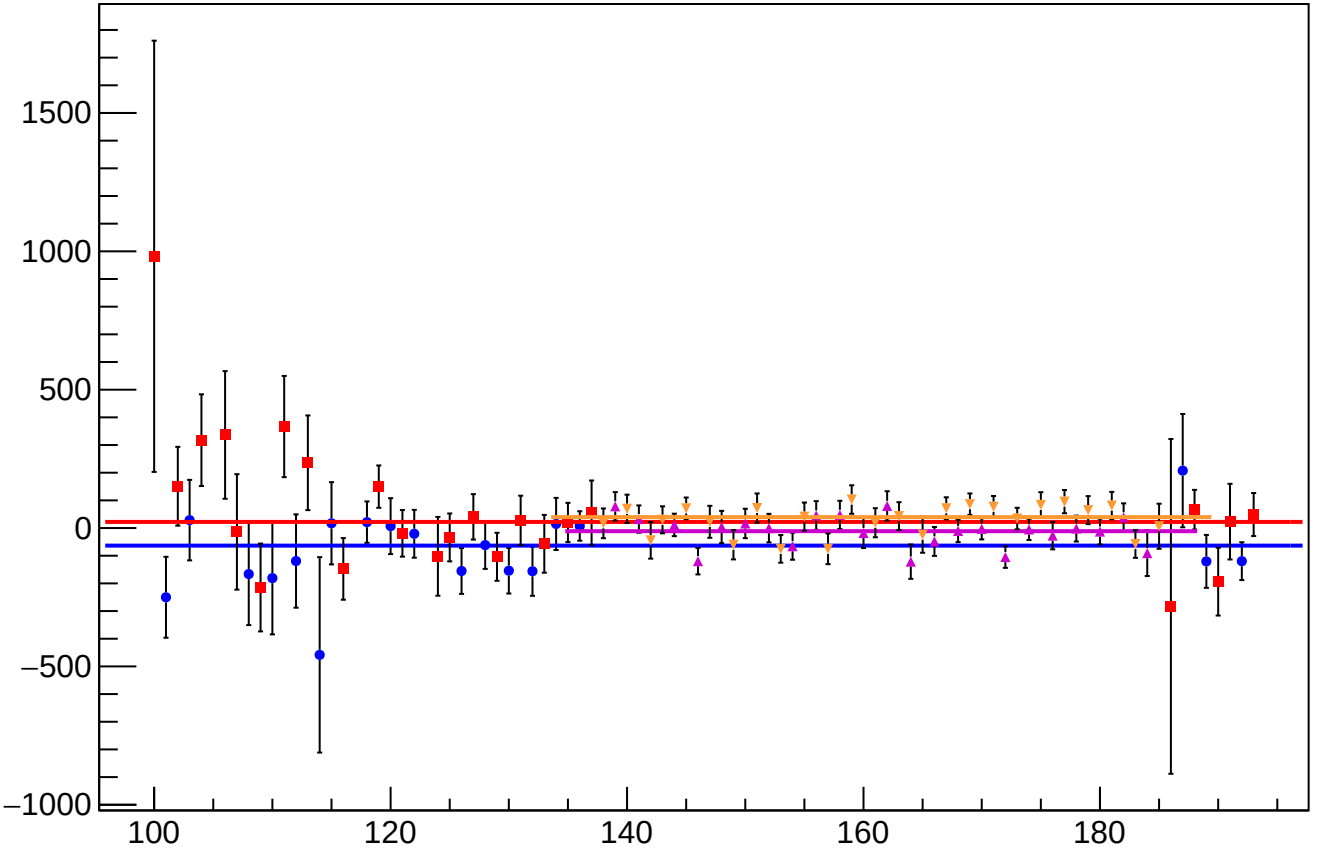
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 137.495+/-0.020 χ^2/NDF: 7180190.5/43

All: 137.904+/-0.014 χ^2/NDF: 15462049.3/90

- sign 138.325+/-0.020 χ^2/NDF: 8280981.0/46

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: 22.128+/-22.019 χ^2/NDF: 27.9/23

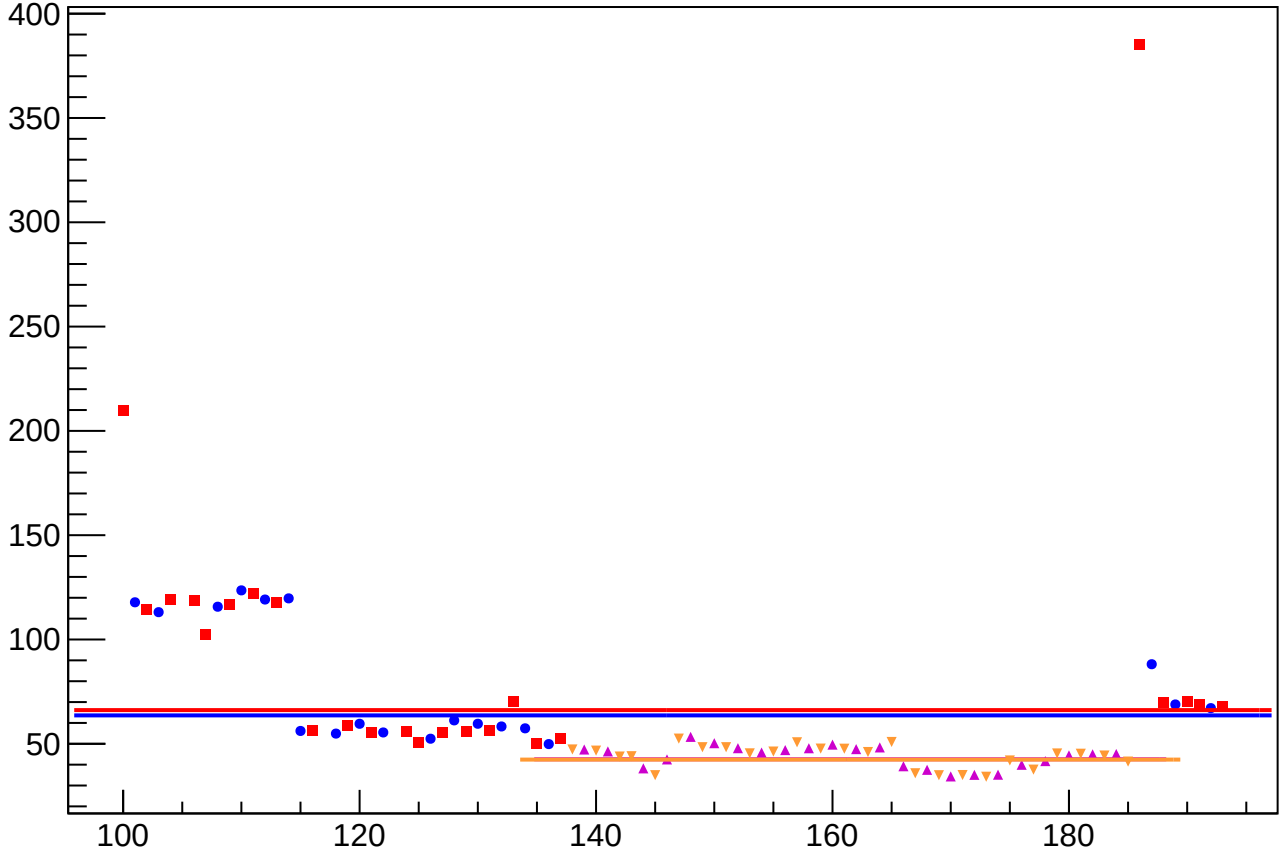
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 23.010+/-8.928 χ^2/NDF: 62.7/43

All: 9.117+/-6.395 χ^2/NDF: 125.4/90

- sign -5.516+/-9.163 χ^2/NDF: 57.8/46

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: 66.154+/-0.016 χ^2/NDF: 2163382.4/23

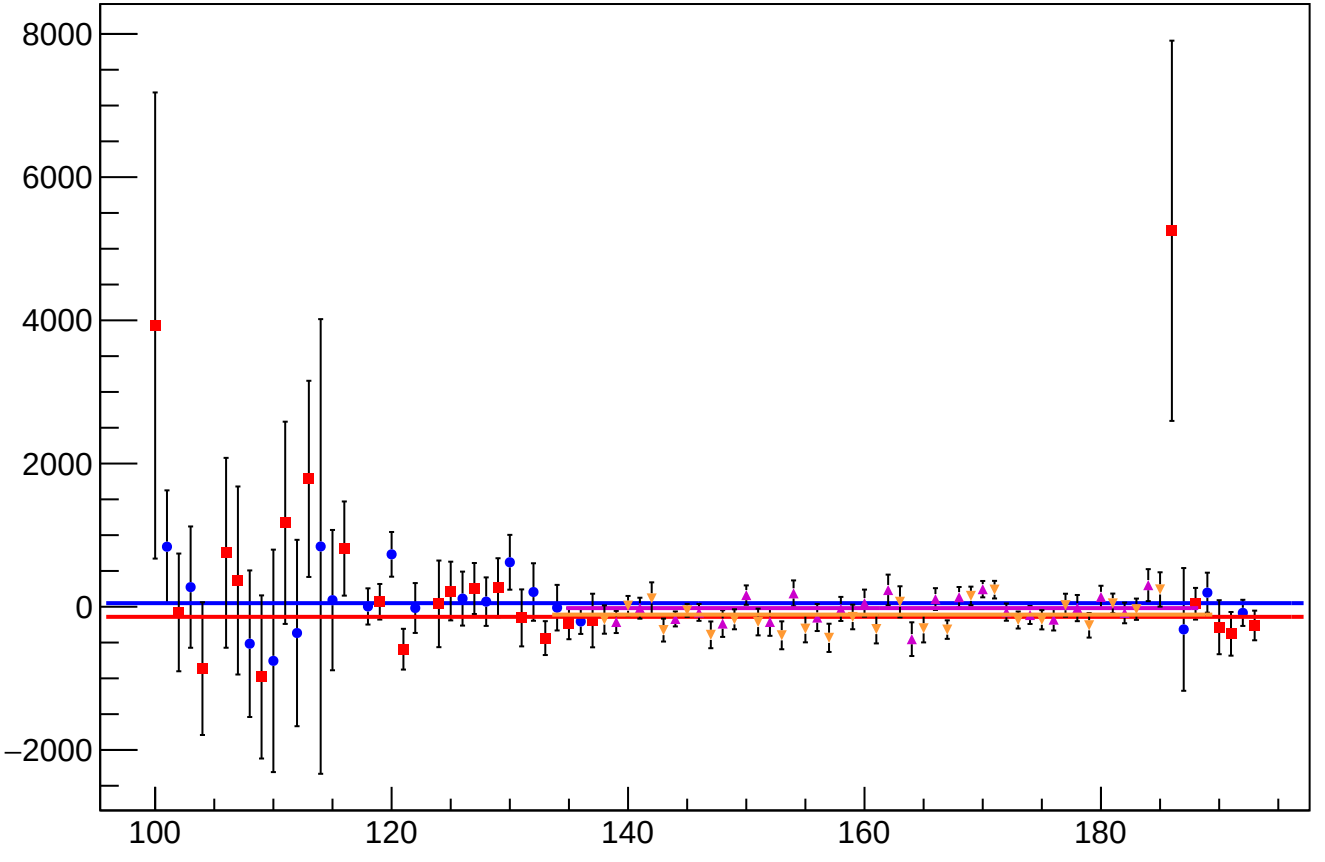
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 45.830+/-0.006 χ^2/NDF: 3610156.7/43

All: 46.235+/-0.005 χ^2/NDF: 8267449.3/90

- sign 46.661+/-0.006 χ^2/NDF: 4648841.2/46

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: -140.929+/-75.963 χ^2/NDF: 22.3/23

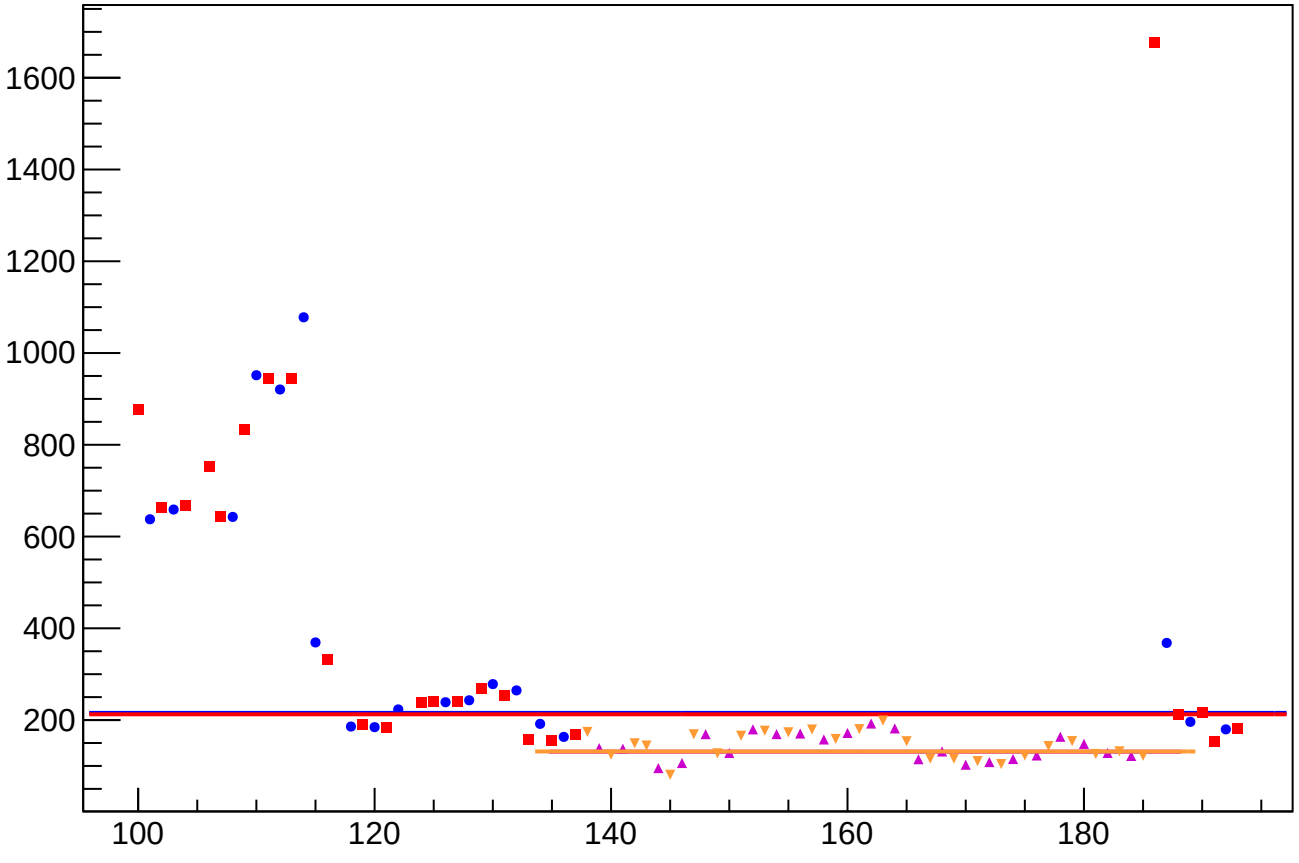
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -89.249+/-28.710 χ^2/NDF: 52.0/43

All: -63.324+/-20.430 χ^2/NDF: 105.4/90

- sign -36.729+/-29.079 χ^2/NDF: 51.7/46

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: 212.572+/-0.054 χ^2/NDF: 4598579.9/23

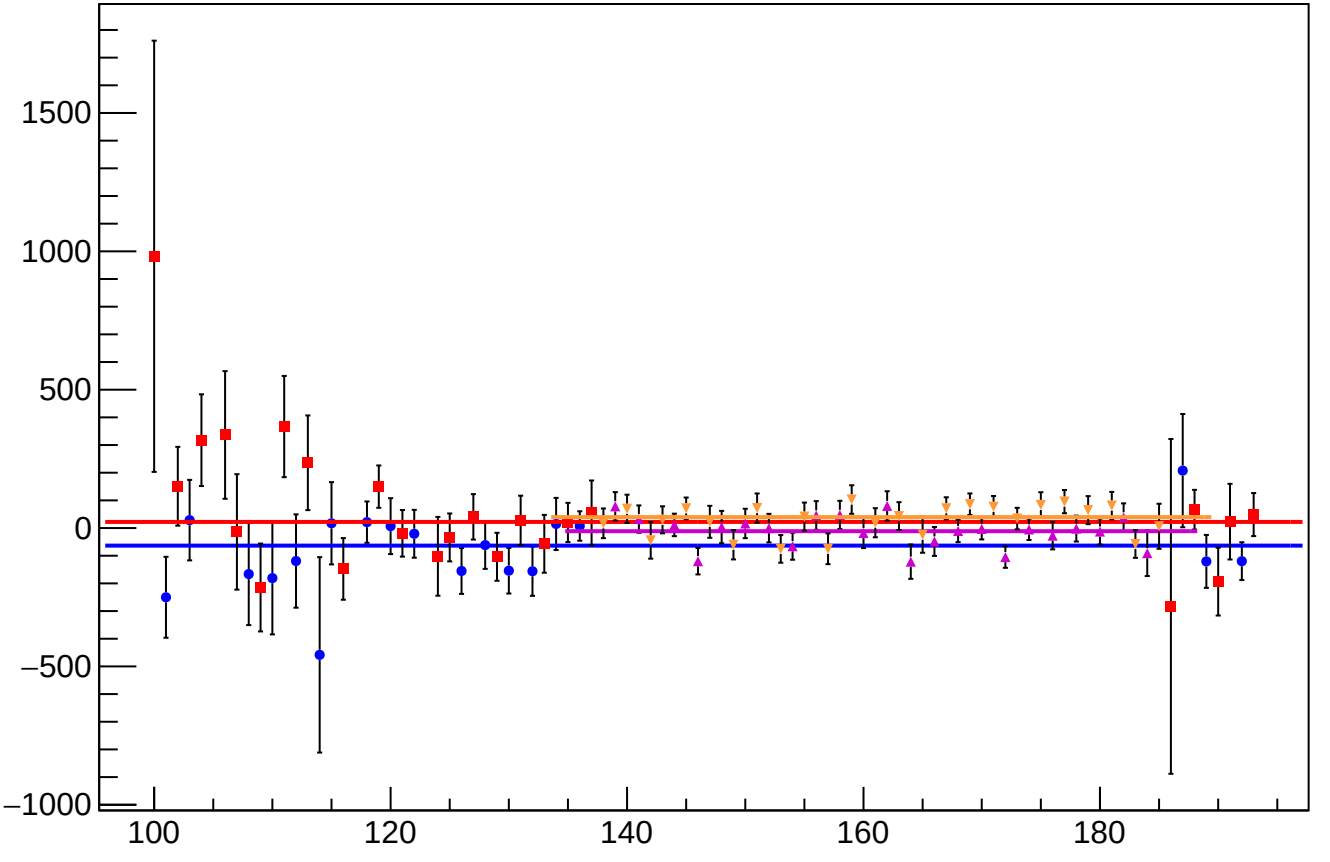
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

\+ sign 142.344+/-0.020 χ^2/NDF: 7026961.7/43

All: 142.676+/-0.014 χ^2/NDF: 15058658.3/90

\- sign 143.017+/-0.021 χ^2/NDF: 8031154.3/46

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: 22.130+/-22.019 χ^2/NDF: 27.9/23

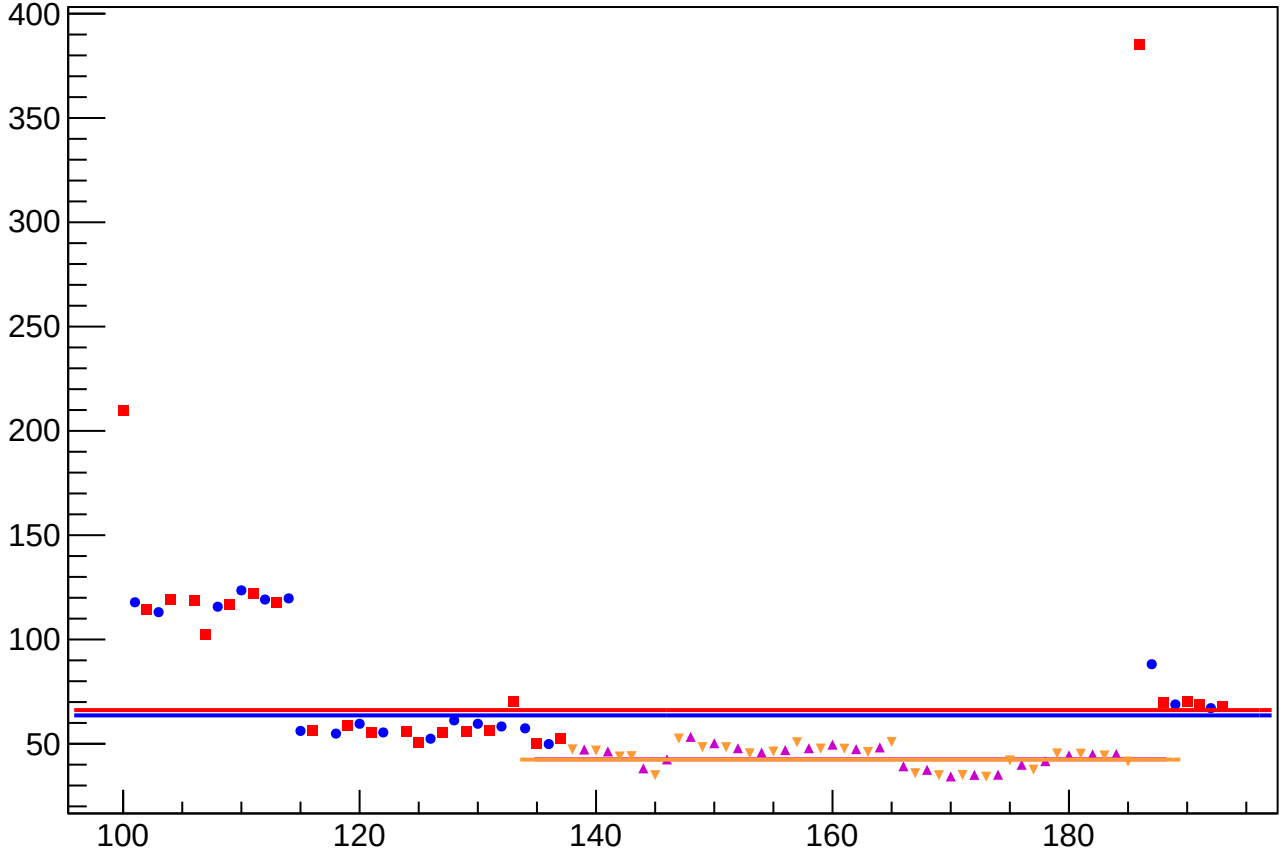
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 23.010+/-8.928 χ^2/NDF: 62.7/43

All: 9.117+/-6.395 χ^2/NDF: 125.4/90

- sign -5.516+/-9.163 χ^2/NDF: 57.8/46

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: 66.154+/-0.016 χ^2/NDF: 2163366.9/23

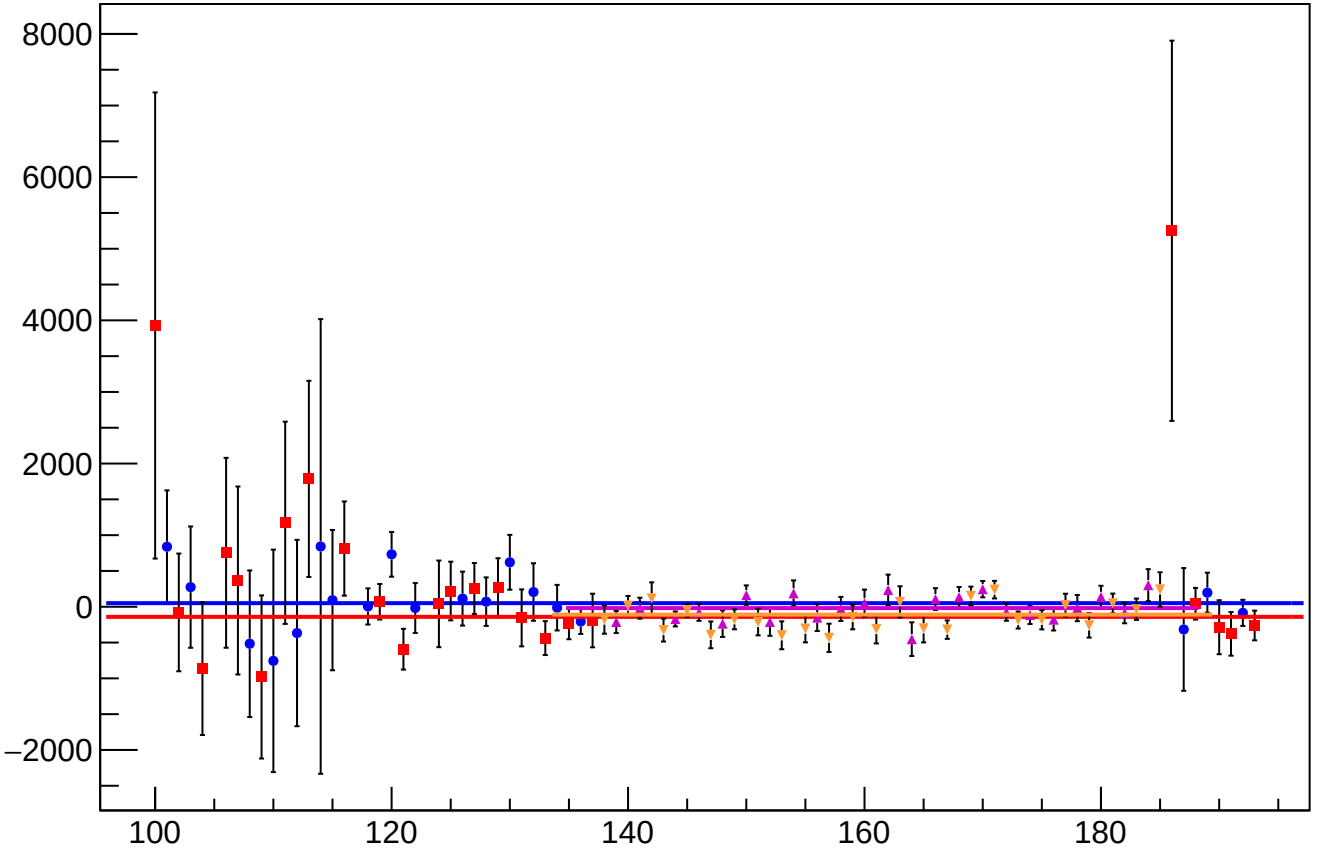
Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 45.830+/-0.006 χ^2/NDF: 3610132.8/43

All: 46.235+/-0.005 χ^2/NDF: 8267383.4/90

- sign 46.662+/-0.006 χ^2/NDF: 4648797.2/46

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug



Right In: 50.278+/-80.011 χ^2/NDF: 12.3/18

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

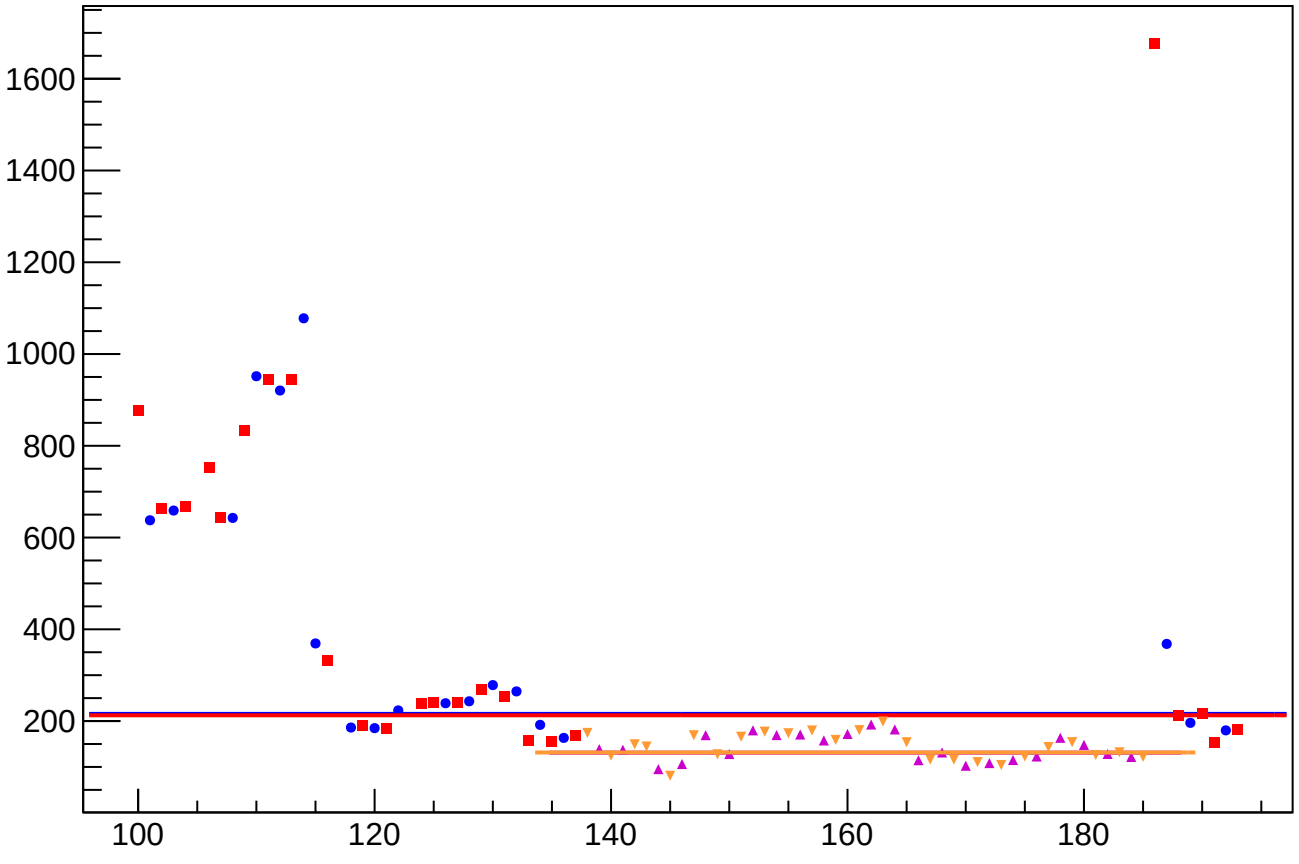
Right Out: -140.928+/-75.963 χ^2/NDF: 22.3/23

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -89.249+/-28.710 χ^2/NDF: 52.0/43

All: -63.324+/-20.430 χ^2/NDF: 105.4/90

- sign -36.729+/-29.079 χ^2/NDF: 51.7/46



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: 212.573+/-0.054 χ^2/NDF: 4598553.3/23

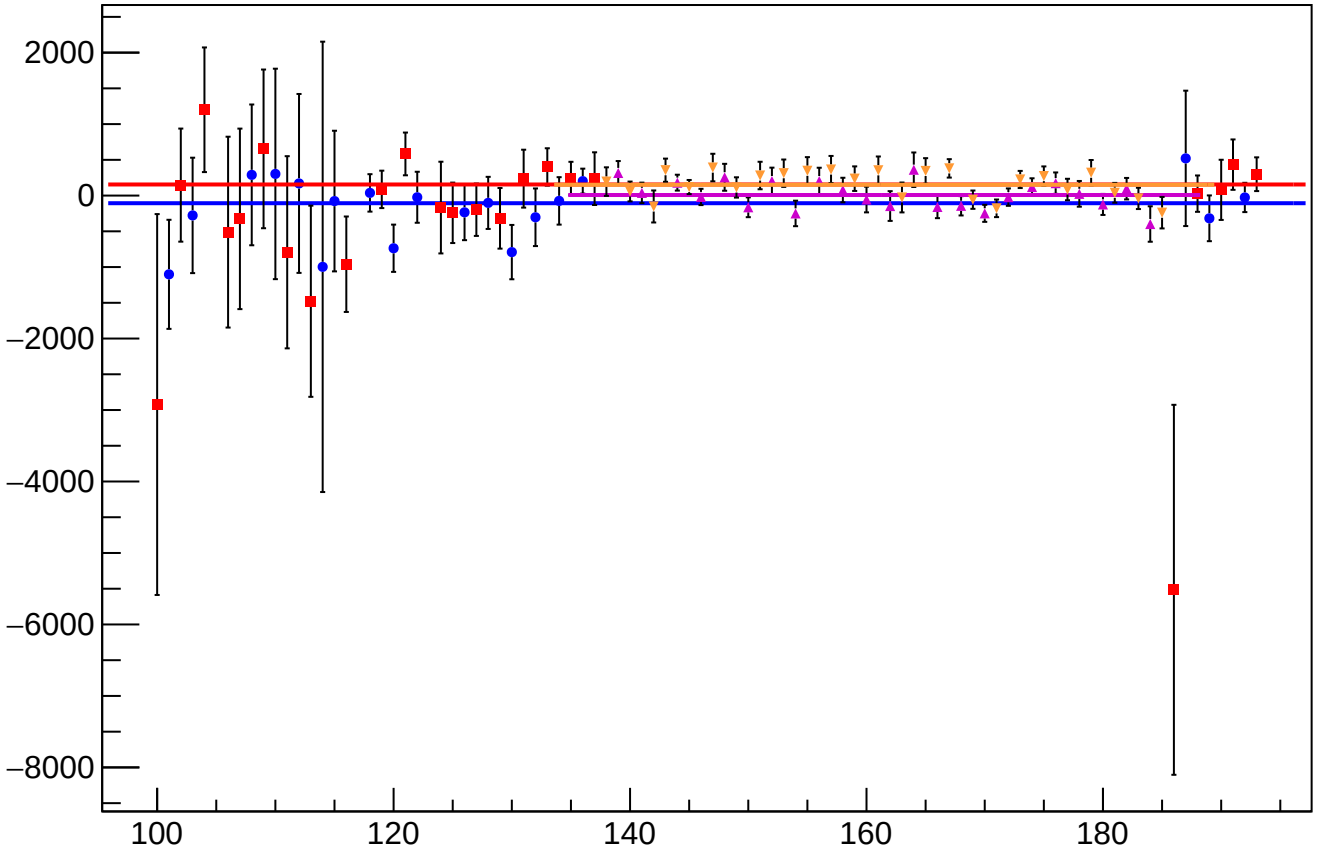
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 142.344+/-0.020 χ^2/NDF: 7026926.4/43

All: 142.676+/-0.014 χ^2/NDF: 15058610.8/90

- sign 143.017+/-0.021 χ^2/NDF: 8031142.0/46

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: 155.299+/-81.939 χ^2/NDF: 20.7/23

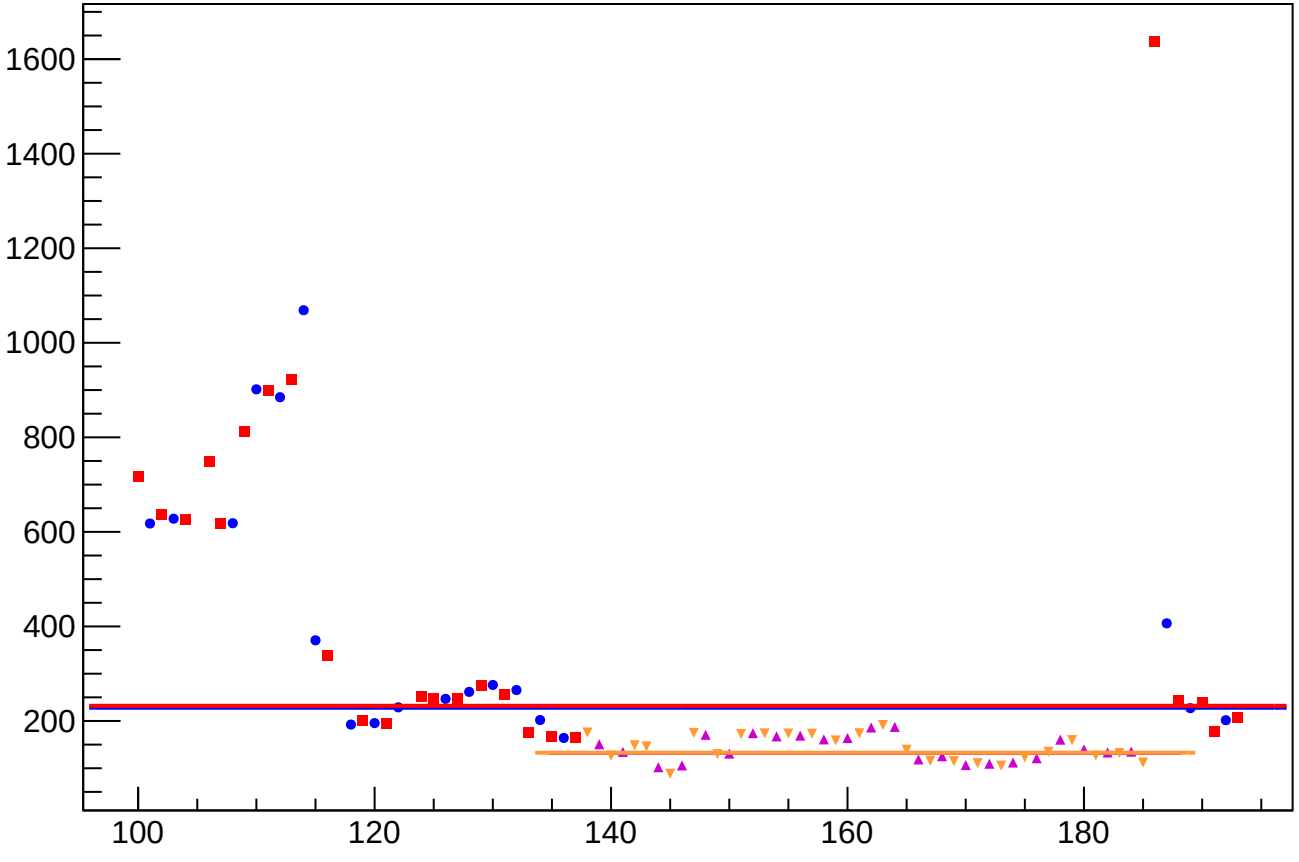
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 120.239+/-29.040 χ^2/NDF: 55.3/43

All: 74.374+/-20.695 χ^2/NDF: 113.3/90

- sign 27.042+/-29.501 χ^2/NDF: 53.0/46

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

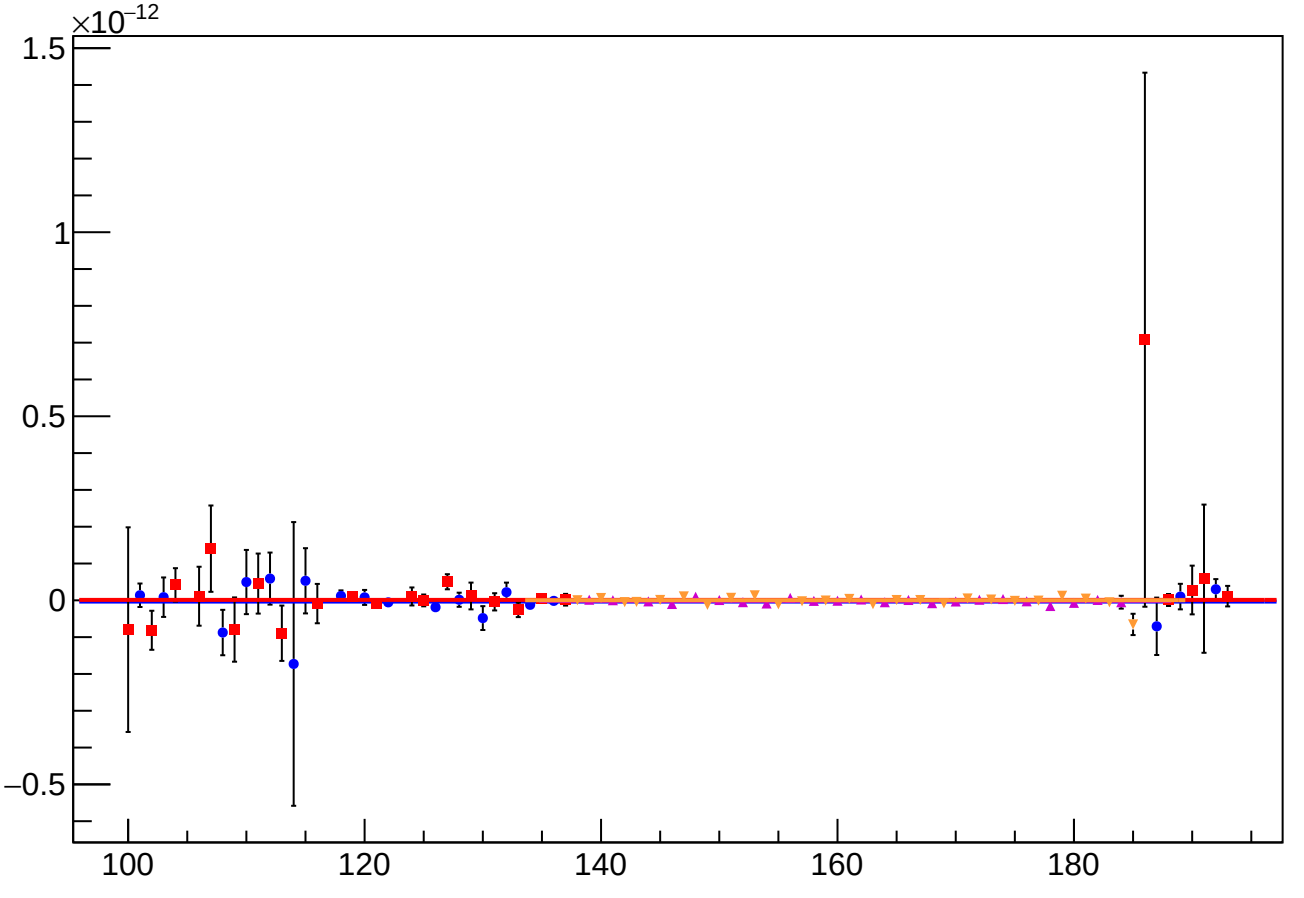
Right Out: 232.125+/-0.058 χ^2/NDF: 4190245.6/23

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 144.267+/-0.021 χ^2/NDF: 6848478.0/43

All: 144.764+/-0.015 χ^2/NDF: 14899154.3/90

- sign 145.276+/-0.021 χ^2/NDF: 8049489.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

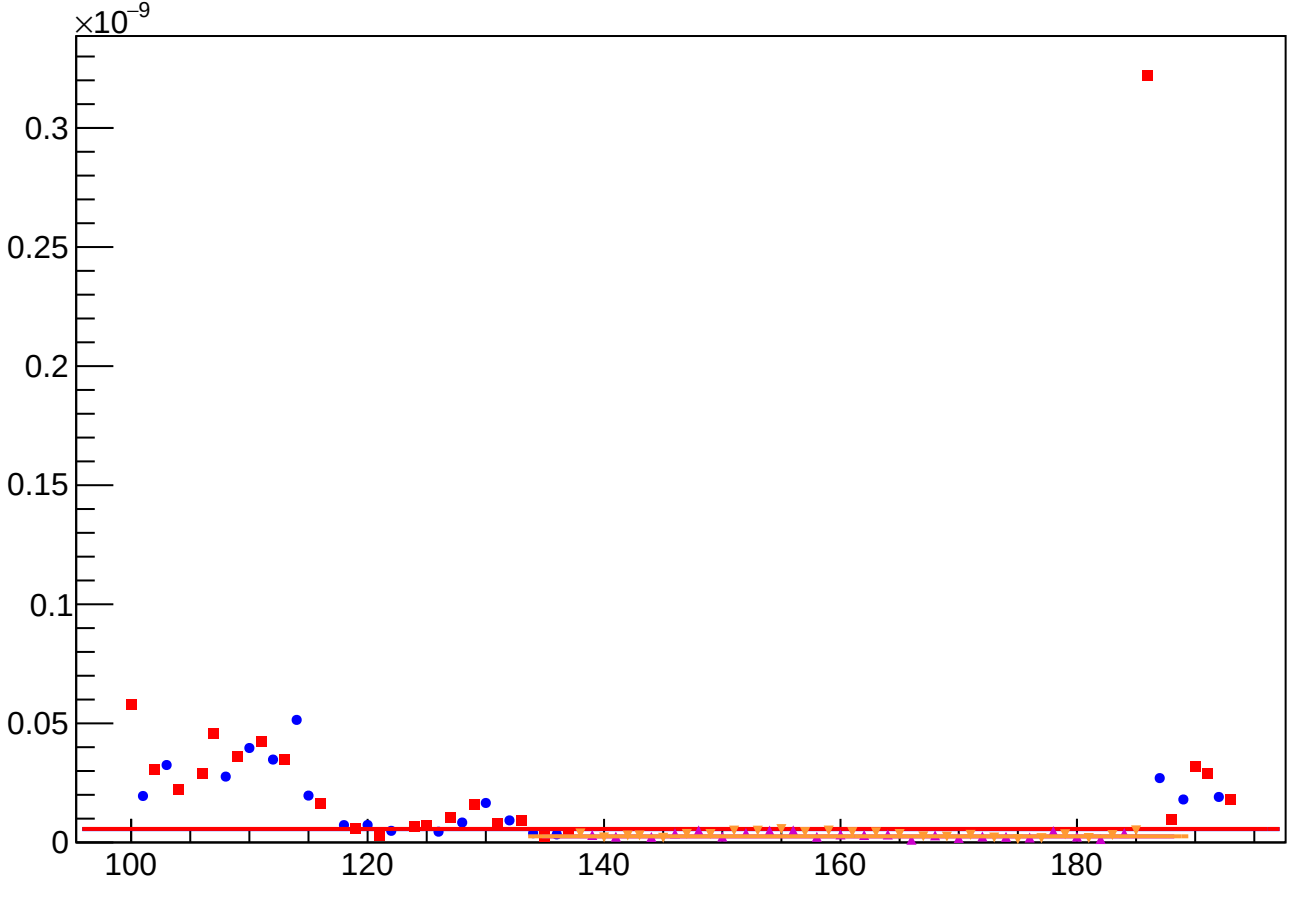
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/23

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: 82.3/90

- sign -0.000+/-0.000 χ^2/NDF: 34.7/46



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: 4491456.0/23

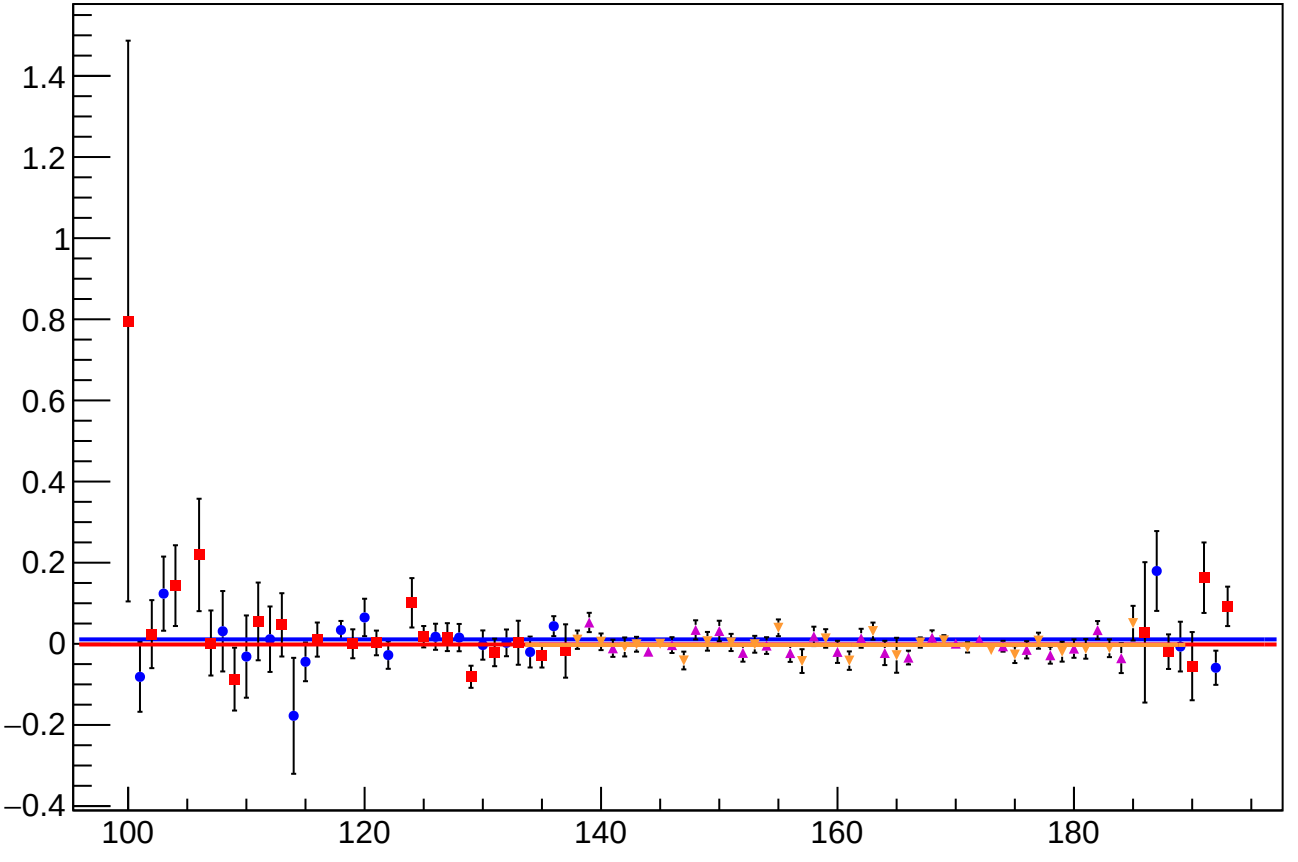
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6993868.9/43

All: 0.000+/-0.000 χ^2/NDF: 14293861.3/90

- sign 0.000+/-0.000 χ^2/NDF: 7297661.7/46

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: -0.002+/-0.009 χ^2/NDF: 29.6/23

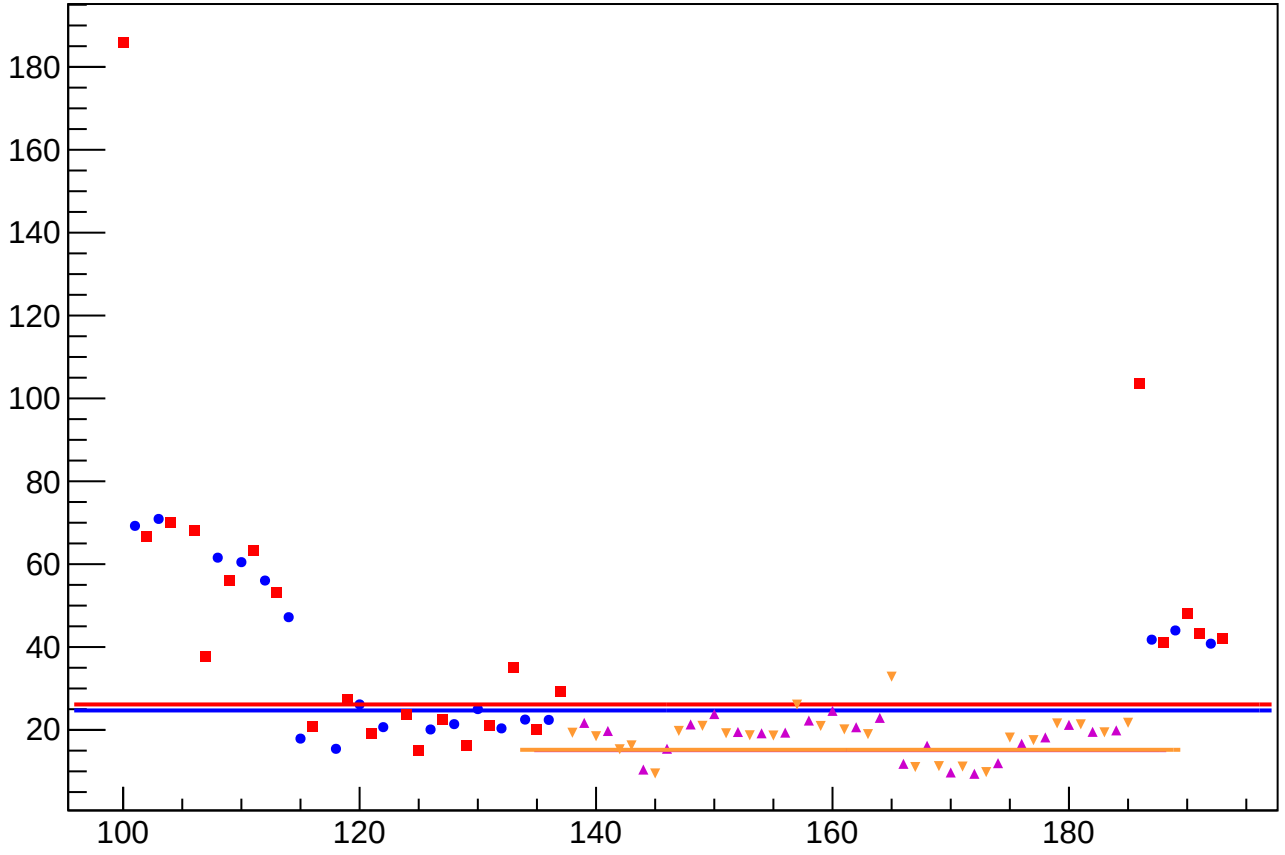
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.7/43

All: -0.002+/-0.002 χ^2/NDF: 99.3/90

- sign -0.002+/-0.004 χ^2/NDF: 56.5/46

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

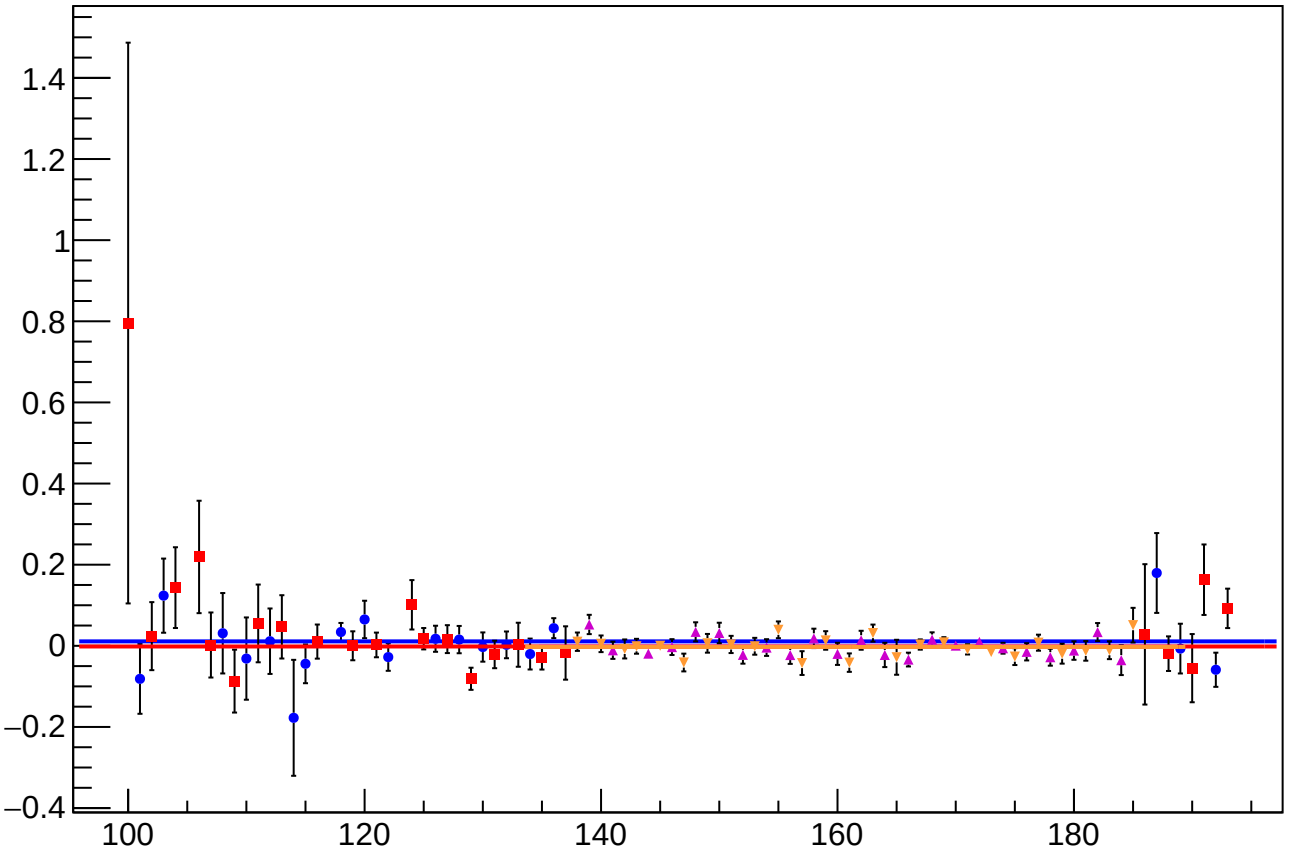
Right Out: 26.146+/-0.007 χ^2/NDF: 4079272.3/23

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.472+/-0.002 χ^2/NDF: 8206002.0/43

All: 16.565+/-0.002 χ^2/NDF: 18022223.9/90

- sign 16.663+/-0.003 χ^2/NDF: 9813218.2/46



Right In: 0.011+/-0.009 χ^2/NDF: 18.2/18

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

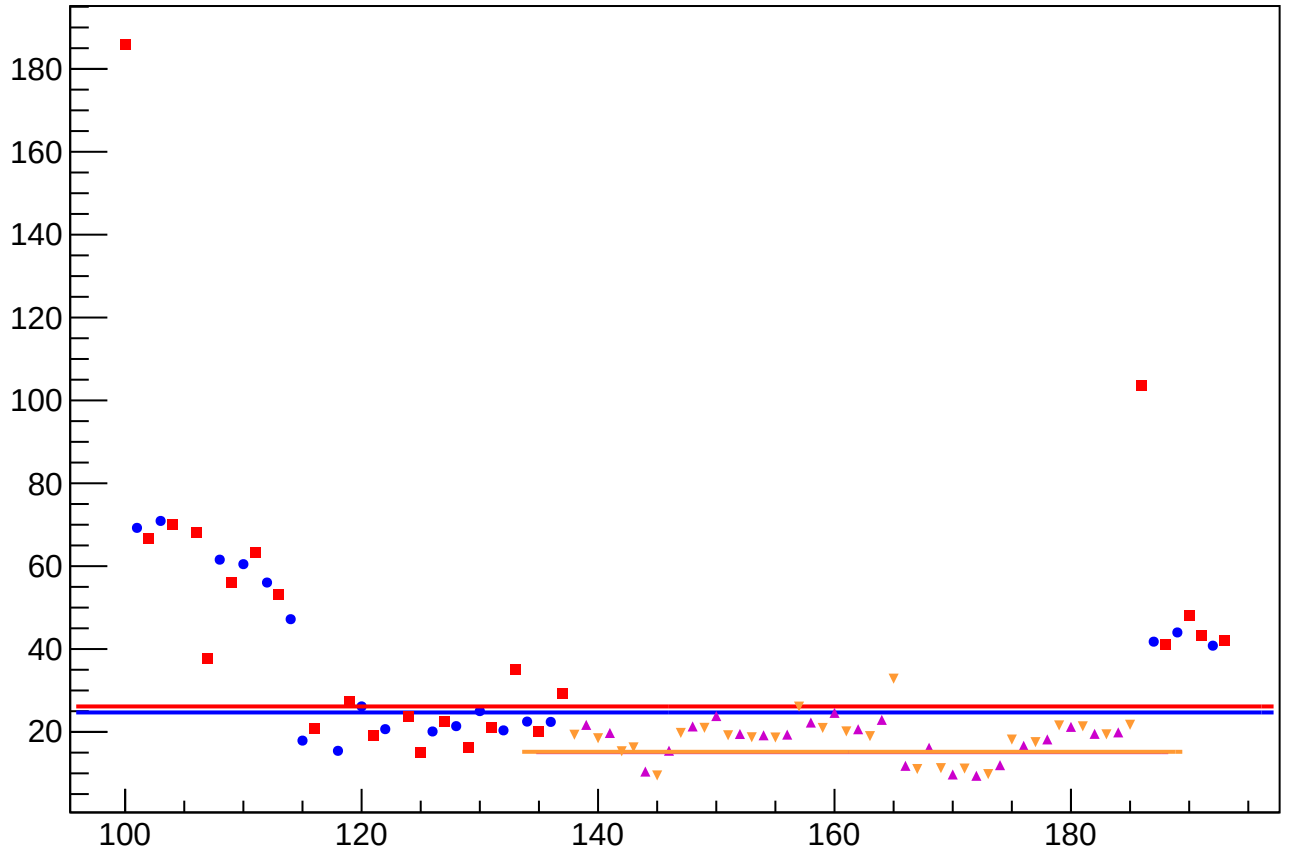
Right Out: -0.002+/-0.009 χ^2/NDF: 29.6/23

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: 99.3/90

- sign -0.002+/-0.004 χ^2/NDF: 56.5/46



Right In: 24.695+/-0.007 χ^2/NDF: 3007709.1/18

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

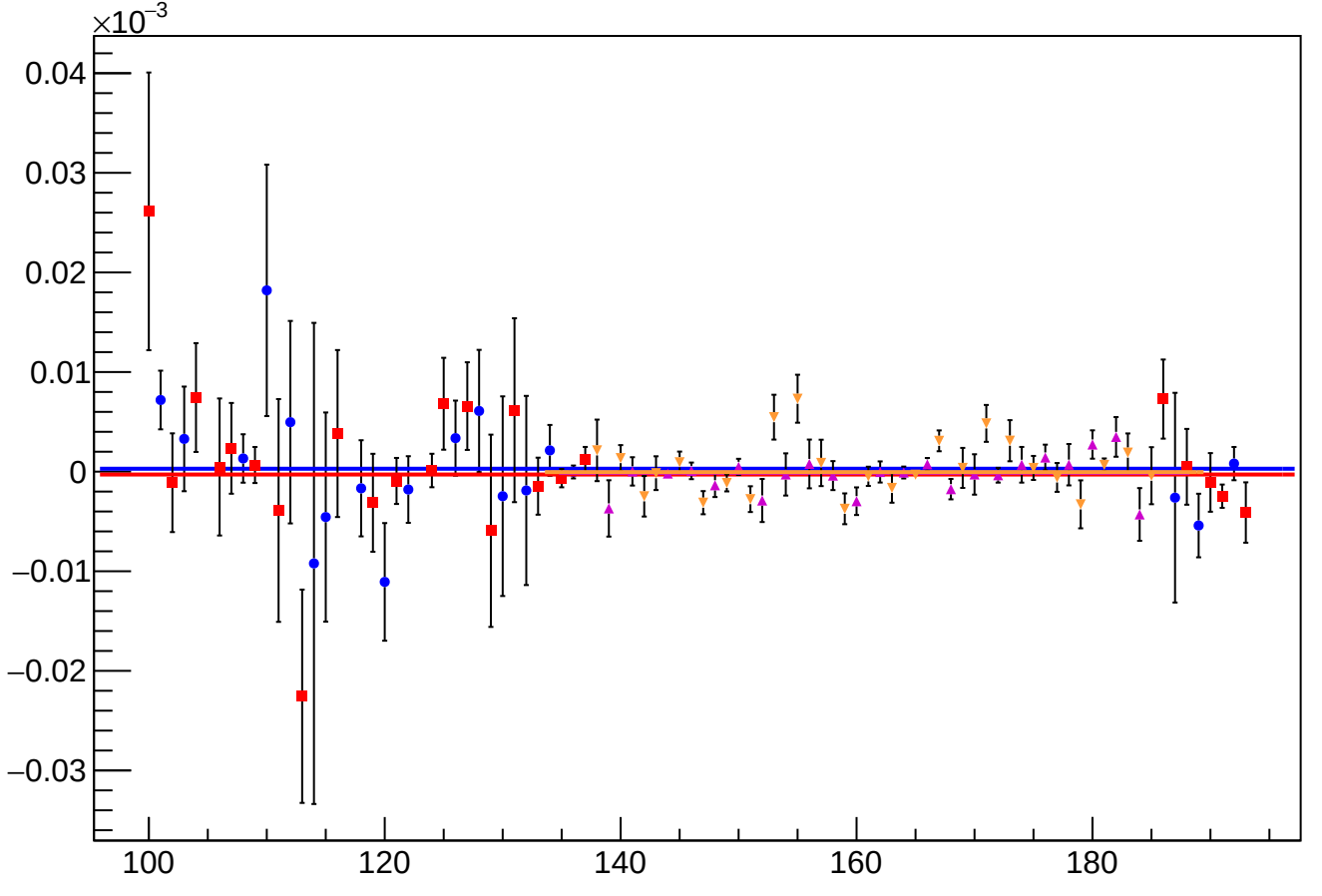
Right Out: 26.146+/-0.007 χ^2/NDF: 4079272.3/23

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.472+/-0.002 χ^2/NDF: 8206002.0/43

All: 16.565+/-0.002 χ^2/NDF: 18022223.9/90

- sign 16.663+/-0.003 χ^2/NDF: 9813218.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

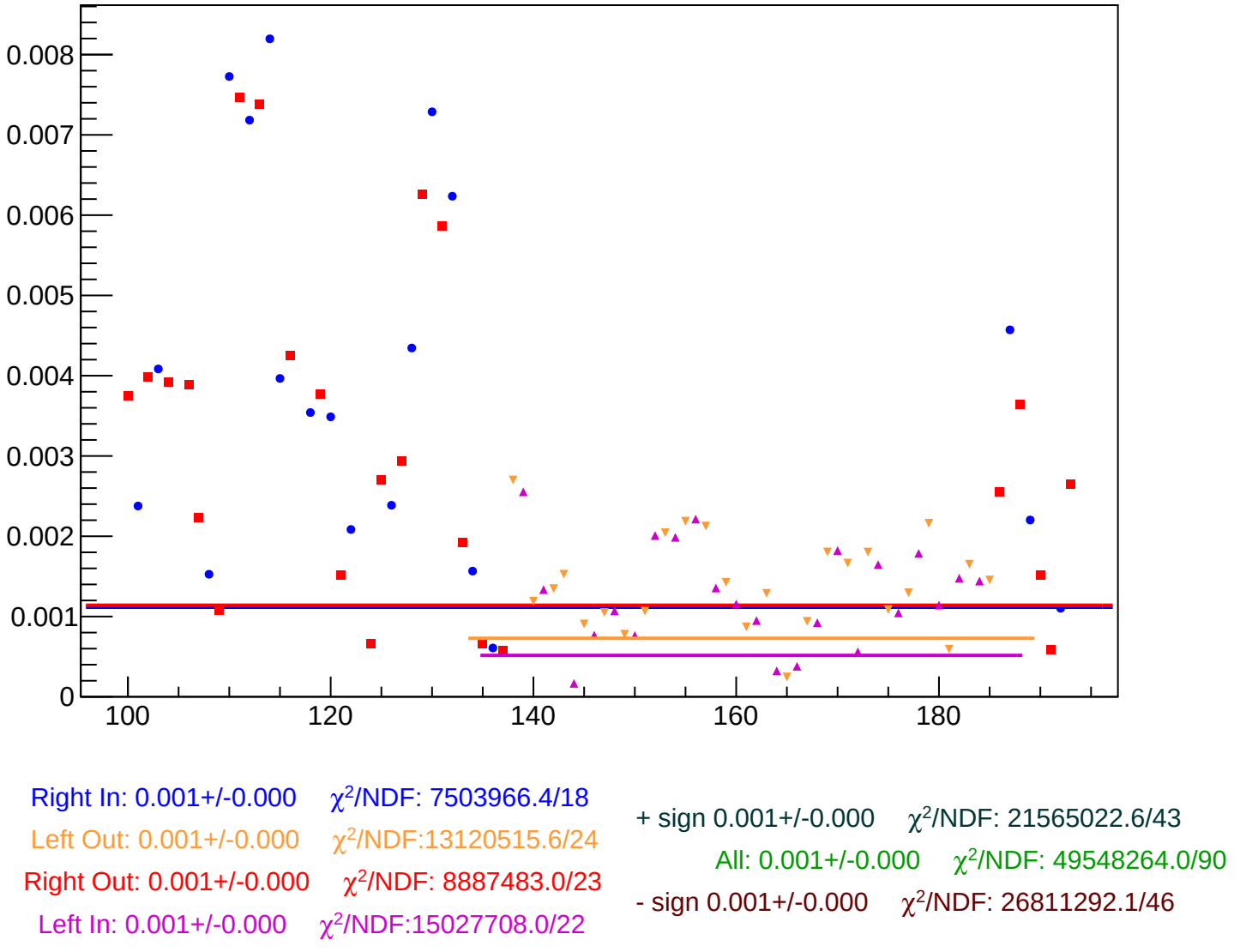
Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/23

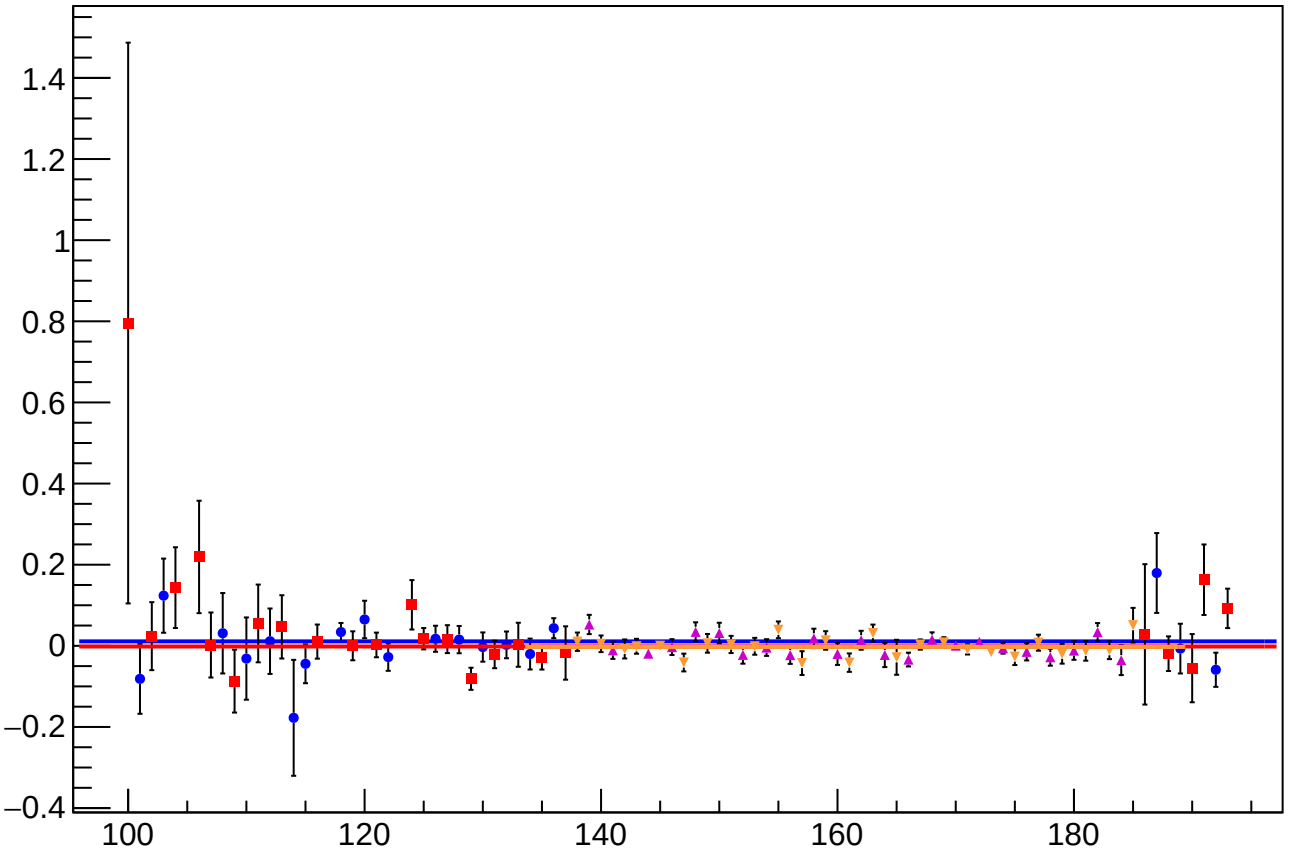
Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.9/43

All: -0.000+/-0.000 χ^2/NDF: 135.2/90

- sign -0.000+/-0.000 χ^2/NDF: 53.1/46


asym_sam_37_26_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: 7503966.4/18
Left Out: 0.001+/-0.000 χ²/NDF:13120515.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 8887483.0/23
Left In: 0.001+/-0.000 χ²/NDF:15027708.0/22
+ sign 0.001+/-0.000 χ²/NDF: 21565022.6/43
All: 0.001+/-0.000 χ²/NDF: 49548264.0/90
- sign 0.001+/-0.000 χ²/NDF: 26811292.1/46



Right In: 0.011+/-0.009 χ^2/NDF: 18.2/18

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

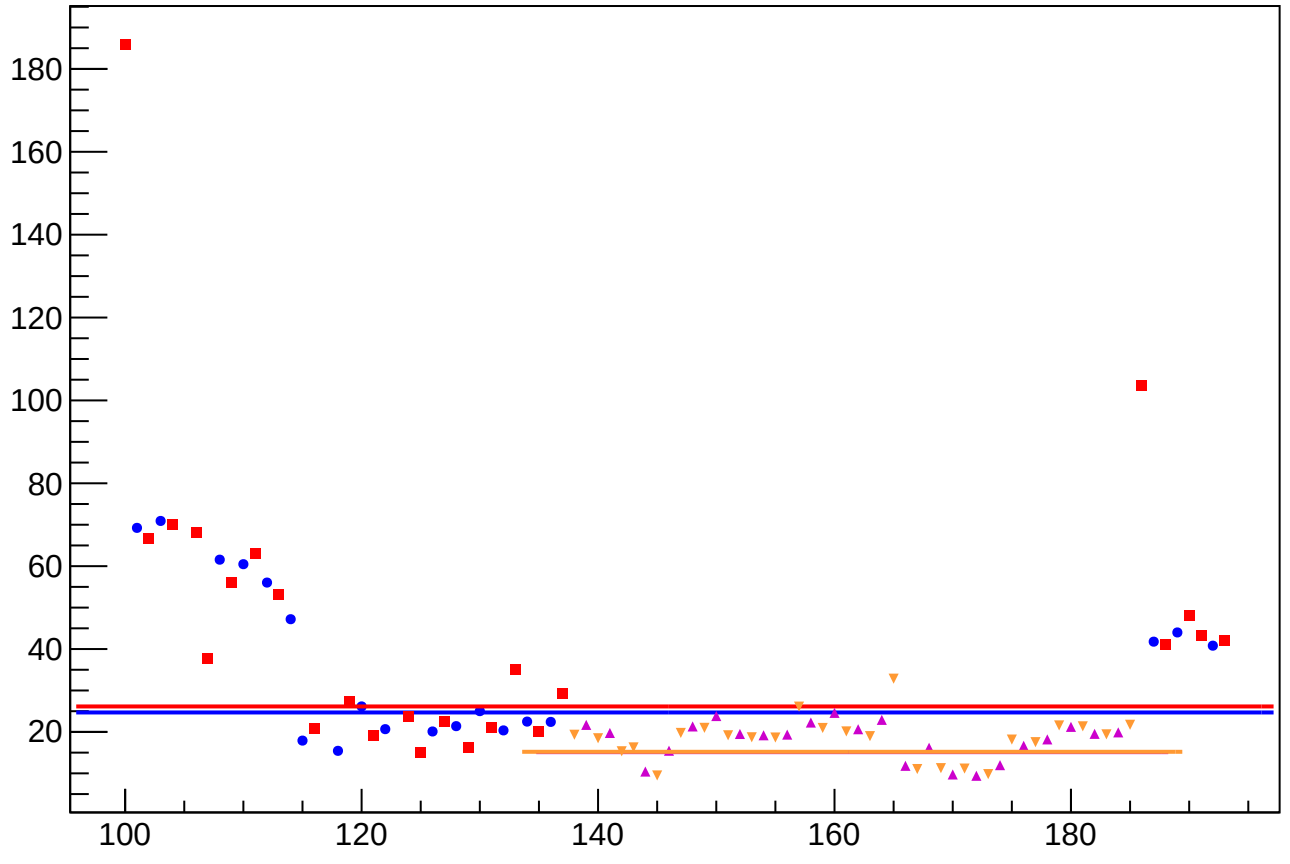
Right Out: -0.002+/-0.009 χ^2/NDF: 29.6/23

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: 99.3/90

- sign -0.002+/-0.004 χ^2/NDF: 56.5/46



Right In: 24.694+/-0.007 χ^2/NDF: 3007846.7/18

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

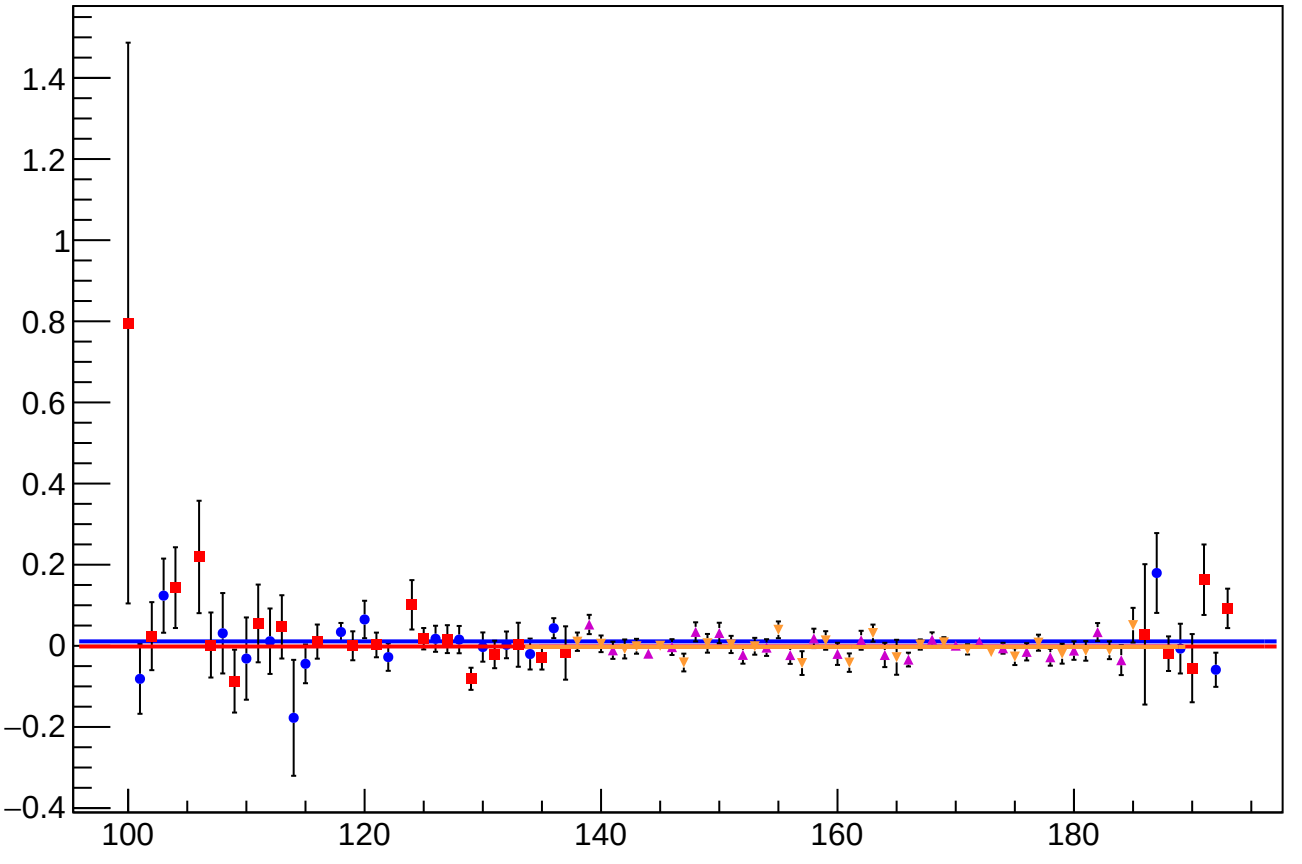
Right Out: 26.145+/-0.007 χ^2/NDF: 4079298.5/23

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

\+ sign 16.472+/-0.002 χ^2/NDF: 8205862.2/43

All: 16.565+/-0.002 χ^2/NDF: 18021929.9/90

\- sign 16.663+/-0.003 χ^2/NDF: 9813061.0/46



Right In: 0.011+/-0.009 χ^2/NDF: 18.2/18

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

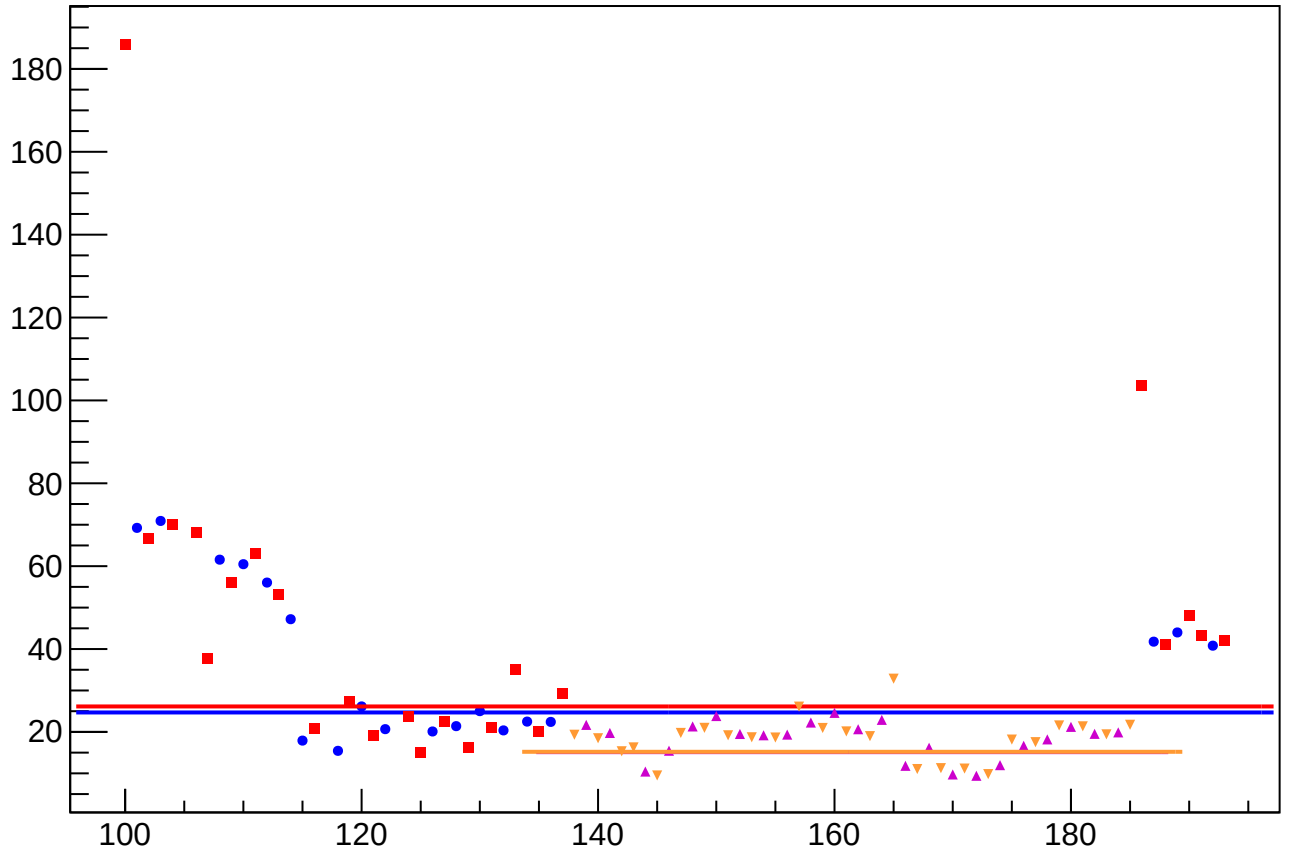
Right Out: -0.002+/-0.009 χ^2/NDF: 29.6/23

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: 99.3/90

- sign -0.002+/-0.004 χ^2/NDF: 56.5/46



Right In: 24.694+/-0.007 χ^2/NDF: 3007846.7/18

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

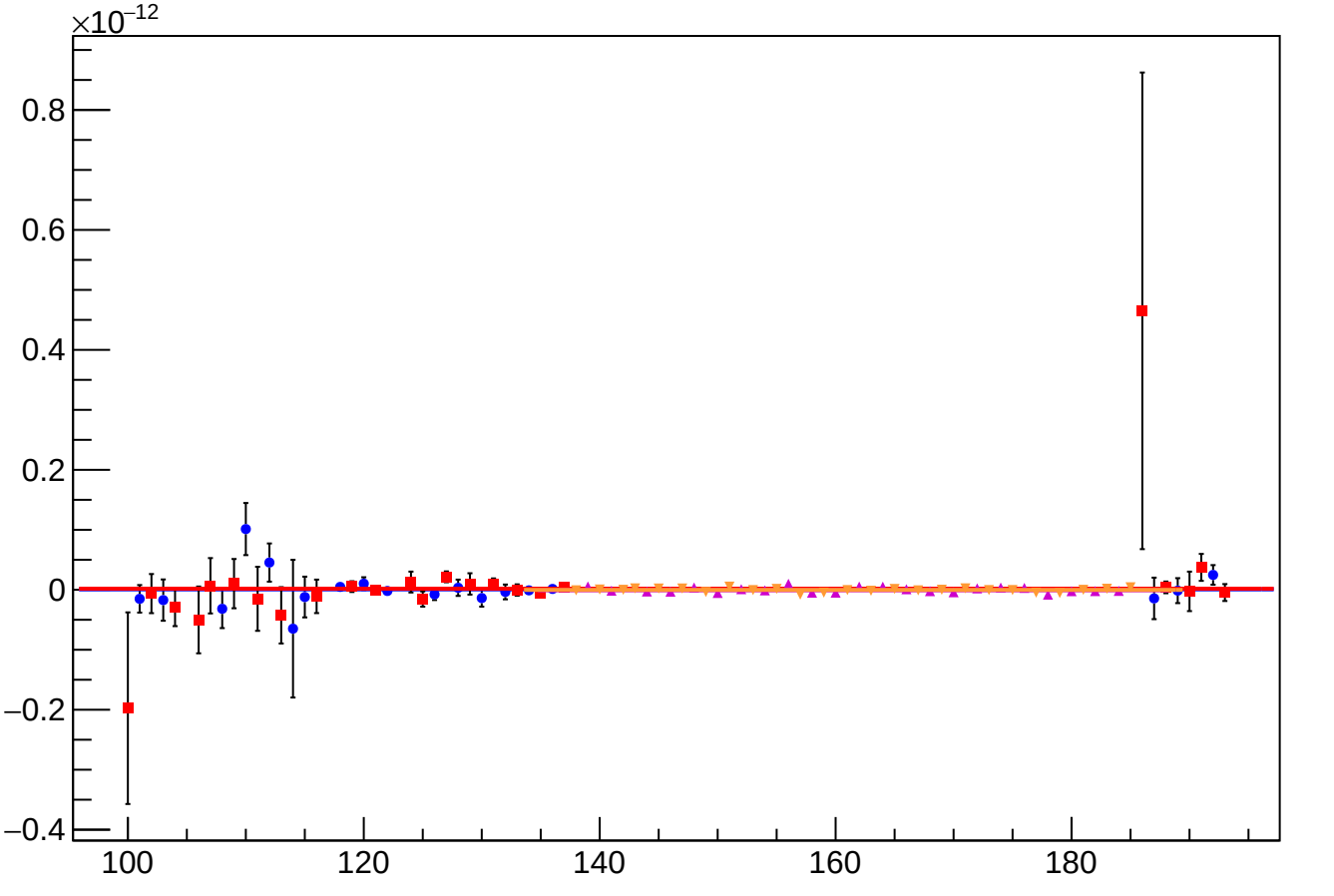
Right Out: 26.145+/-0.007 χ^2/NDF: 4079298.5/23

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

\+ sign 16.472+/-0.002 χ^2/NDF: 8205862.2/43

All: 16.565+/-0.002 χ^2/NDF: 18021929.9/90

\- sign 16.663+/-0.003 χ^2/NDF: 9813061.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

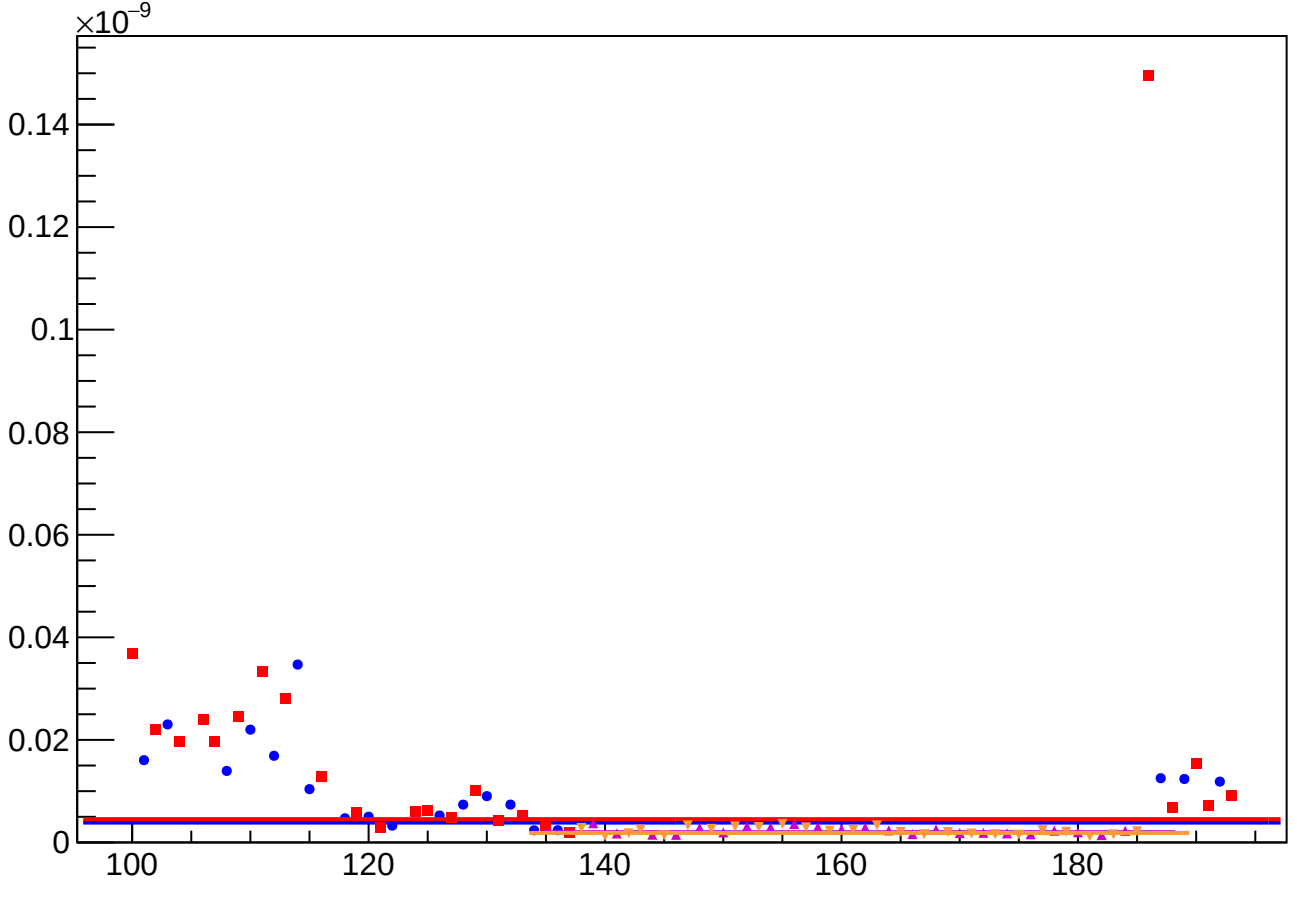
Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/23

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: 97.9/90

- sign -0.000+/-0.000 χ^2/NDF: 60.5/46



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: 5339954.7/23

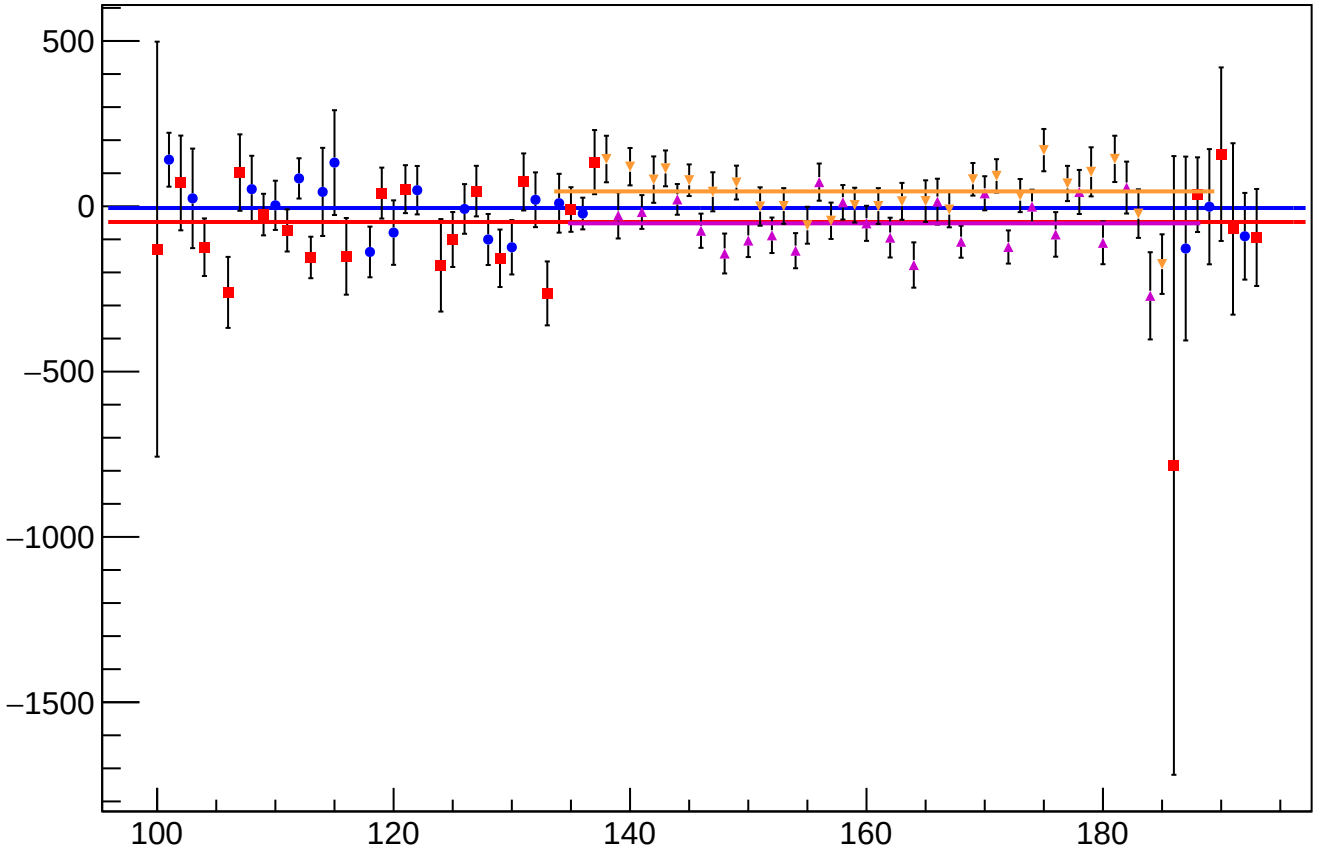
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9047474.3/43

All: 0.000+/-0.000 χ^2/NDF: 18839140.5/90

- sign 0.000+/-0.000 χ^2/NDF: 9689486.8/46

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: -47.454+/-19.059 χ^2/NDF: 31.2/23

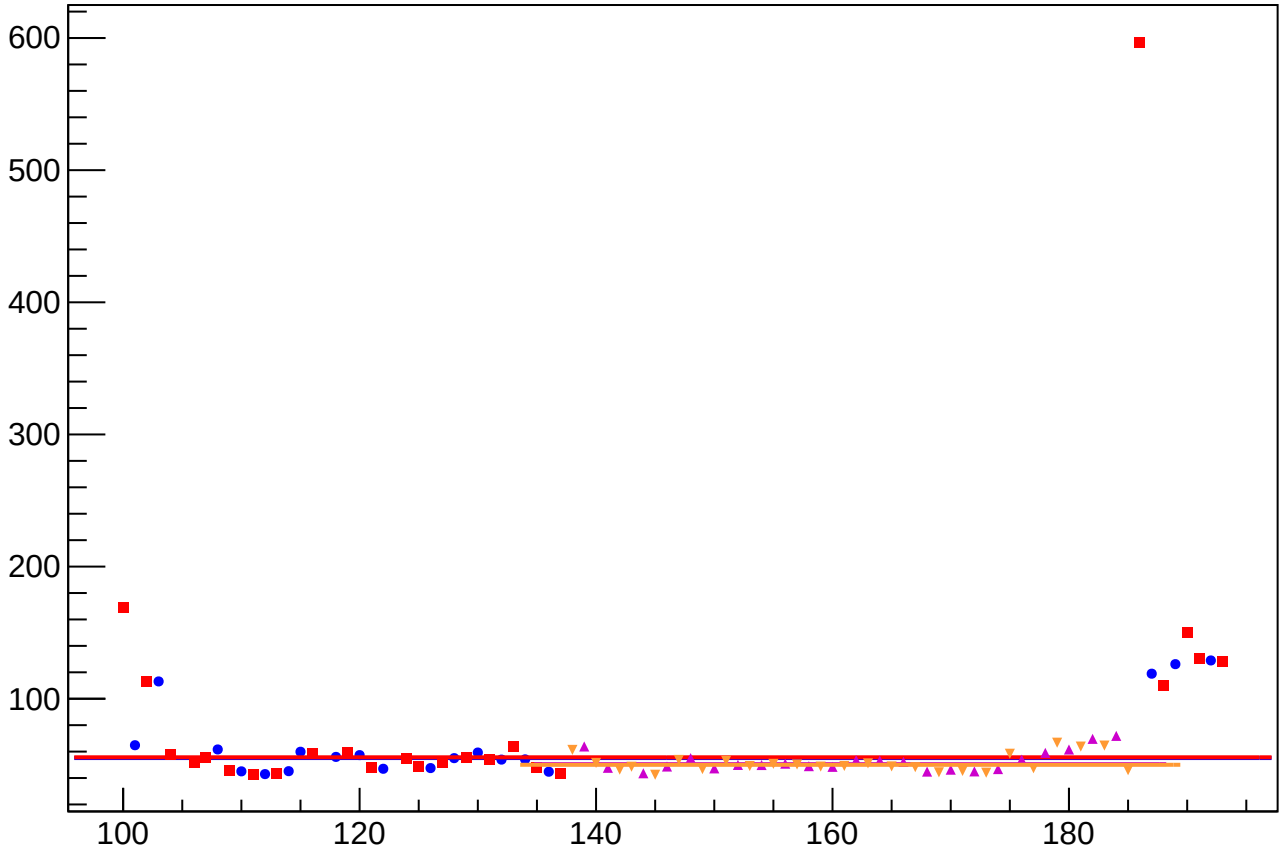
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 32.218+/-9.914 χ^2/NDF: 51.5/43

All: -8.299+/-7.079 χ^2/NDF: 152.7/90

- sign -50.445+/-10.112 χ^2/NDF: 67.1/46

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

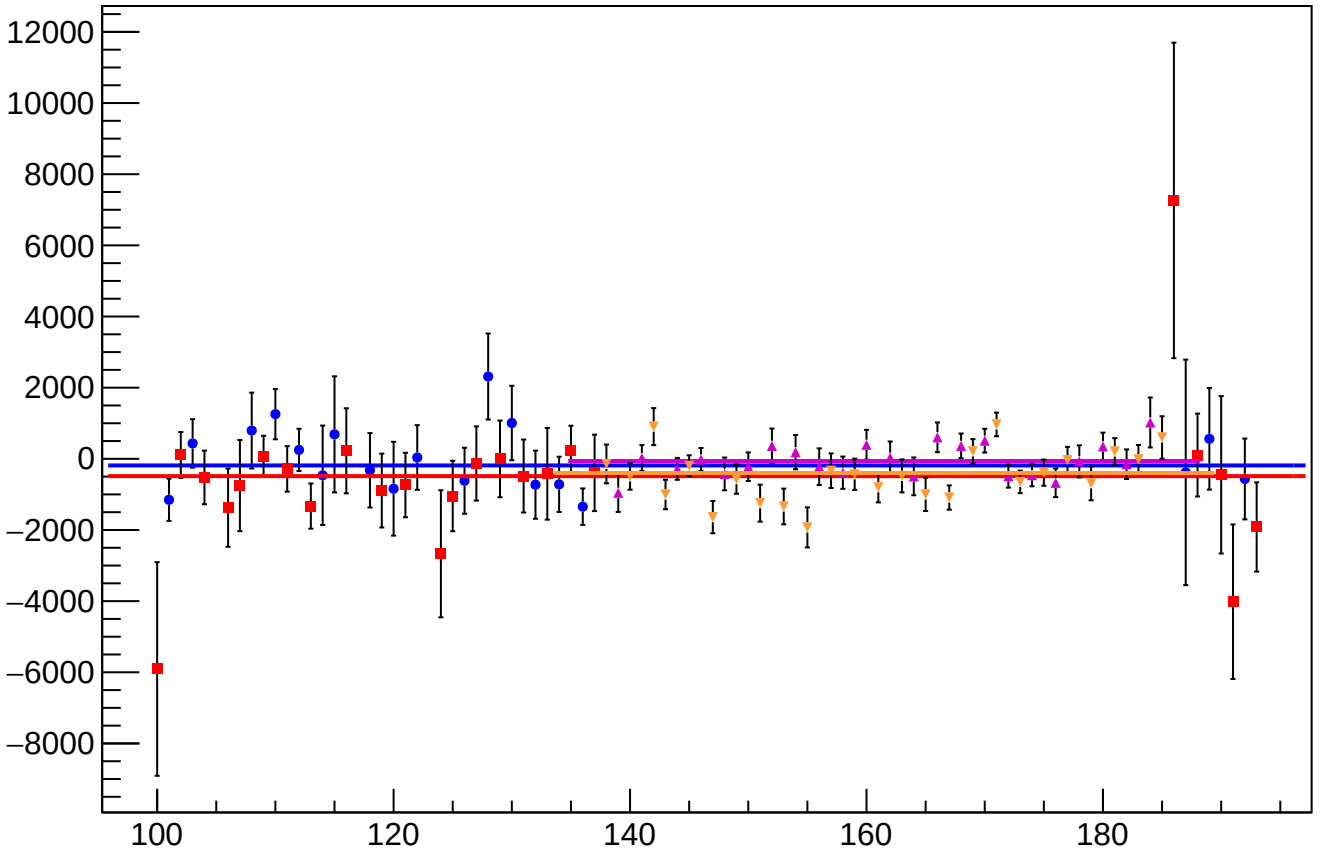
Right Out: 55.681+/-0.013 χ^2/NDF: 2773124.1/23

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 51.325+/-0.007 χ^2/NDF: 2289791.2/43

All: 51.640+/-0.005 χ^2/NDF: 5676129.4/90

- sign 51.967+/-0.007 χ^2/NDF: 3382225.4/46



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: -486.601+/-196.533 χ^2/NDF: 18.6/23

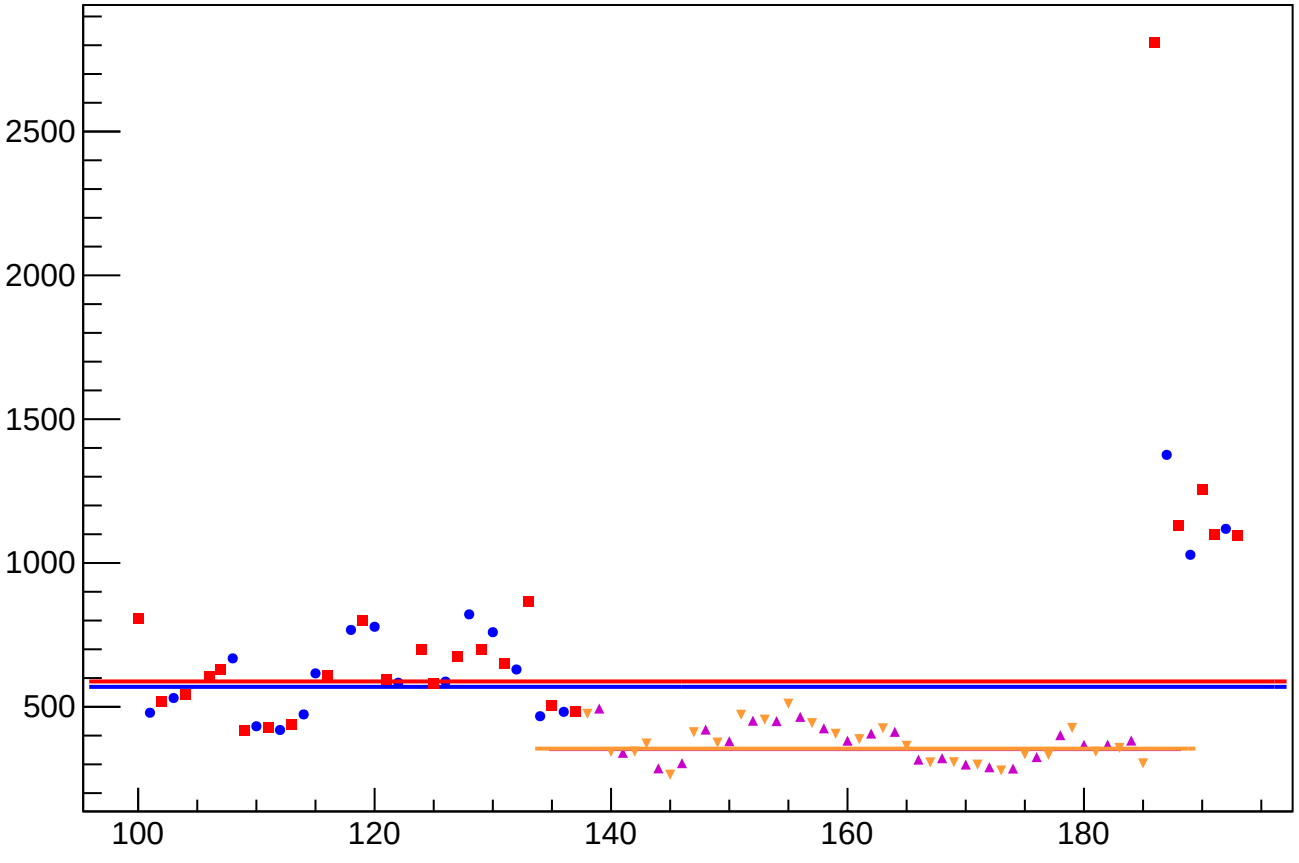
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -368.692+/-75.927 χ^2/NDF: 88.1/43

All: -250.021+/-54.118 χ^2/NDF: 139.5/90

- sign -127.475+/-77.157 χ^2/NDF: 46.5/46

asym_sam_1357_avg_reg_correction_rms vs Slug



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: 588.240+/-0.139 χ^2/NDF: 2293972.4/23

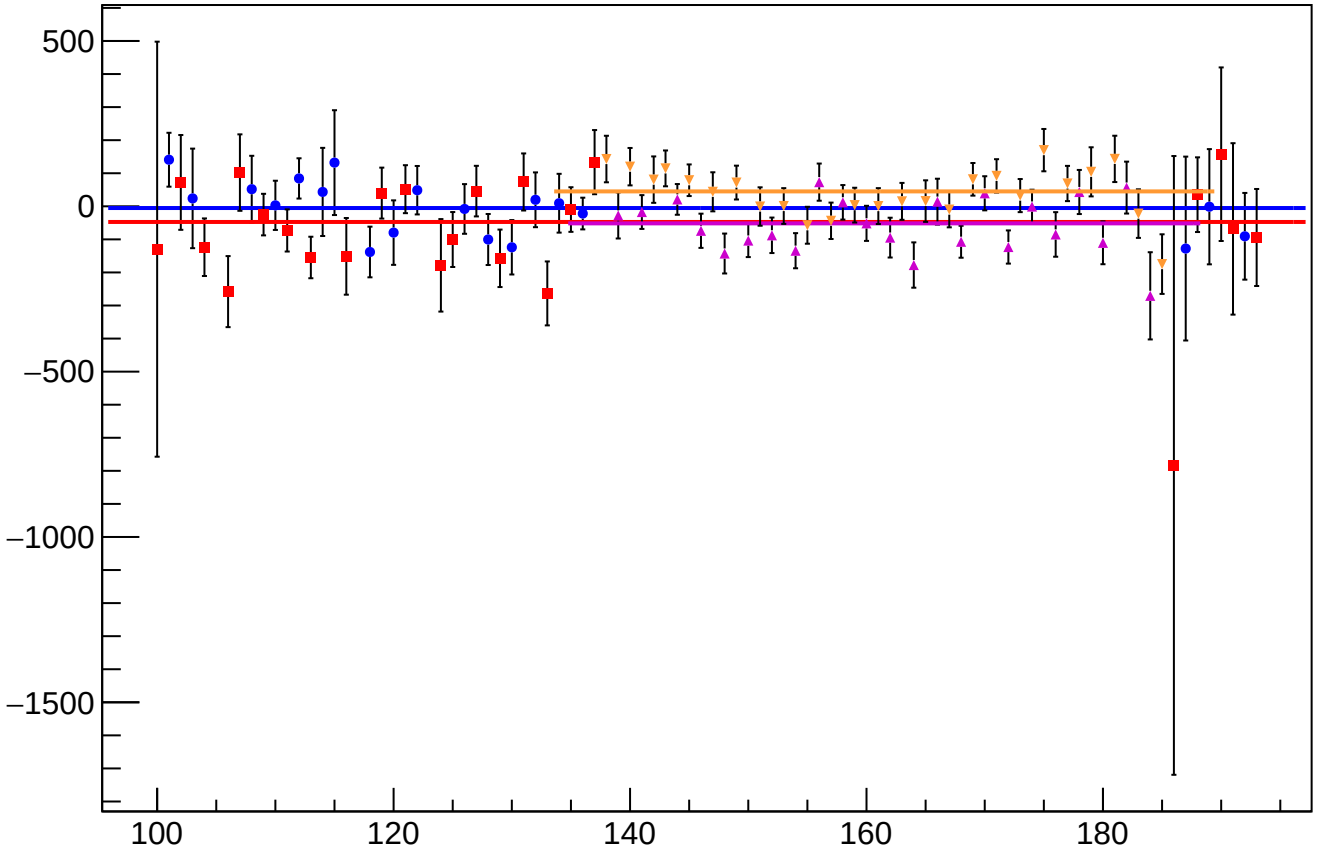
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 385.587+/-0.054 χ^2/NDF: 4580343.6/43

All: 387.438+/-0.038 χ^2/NDF: 10302323.6/90

- sign 389.350+/-0.055 χ^2/NDF: 5719564.1/46

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: -47.343+/-19.060 χ^2/NDF: 31.2/23

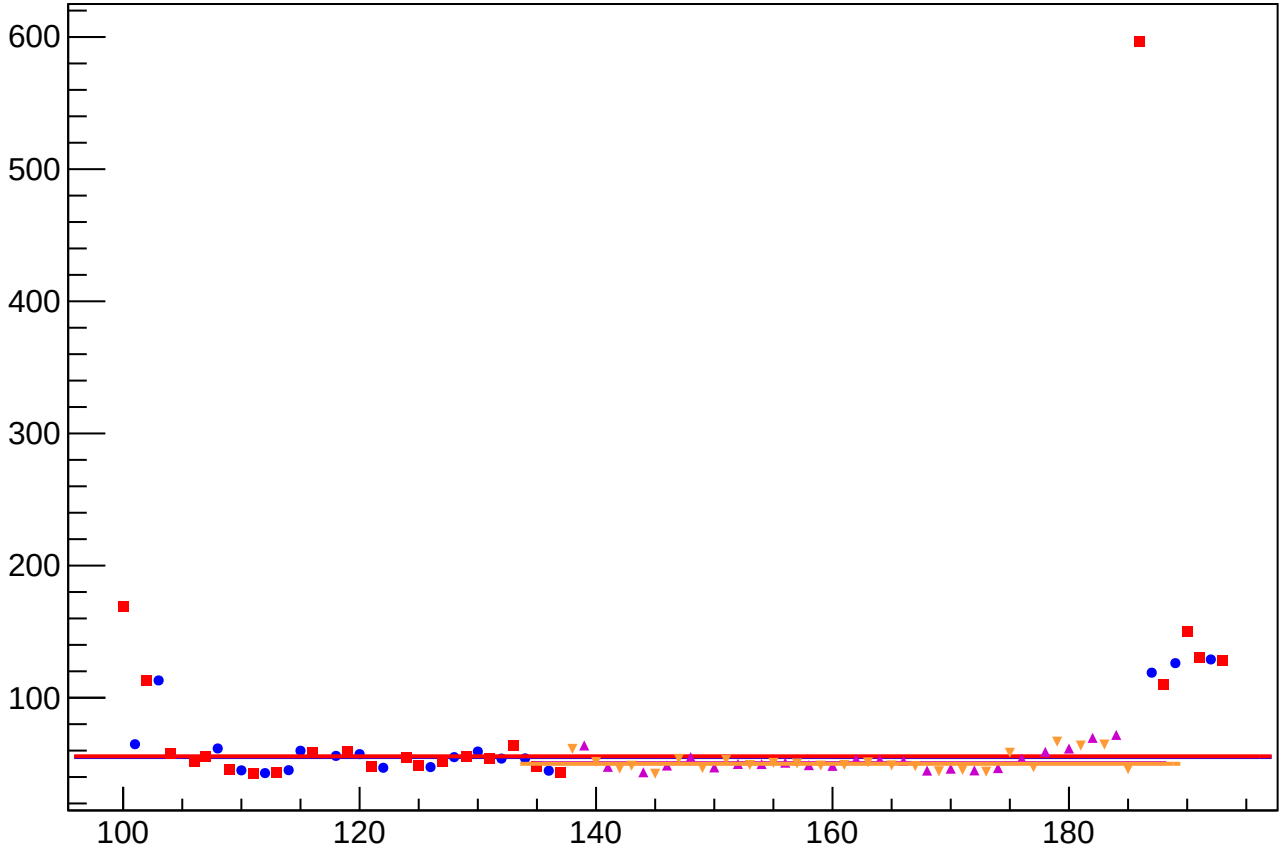
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.219+/-9.914 χ^2/NDF: 51.5/43

All: -8.282+/-7.079 χ^2/NDF: 152.6/90

- sign -50.413+/-10.112 χ^2/NDF: 67.0/46

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

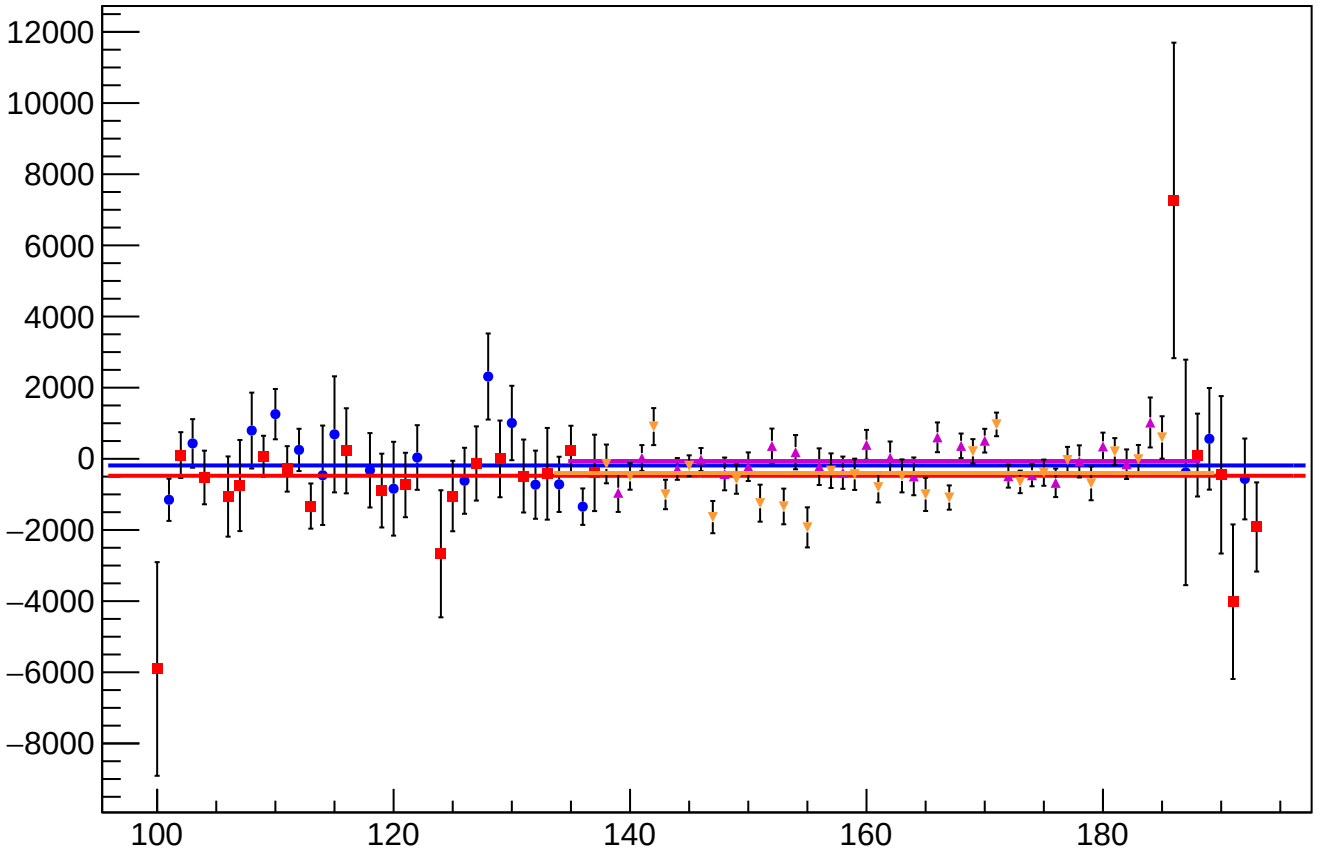
Right Out: 55.671+/-0.013 χ^2/NDF: 2773781.6/23

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 51.325+/-0.007 χ^2/NDF: 2289793.5/43

All: 51.638+/-0.005 χ^2/NDF: 5676361.6/90

- sign 51.964+/-0.007 χ^2/NDF: 3382490.2/46



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: -476.102+/-196.706 χ^2/NDF: 18.2/23

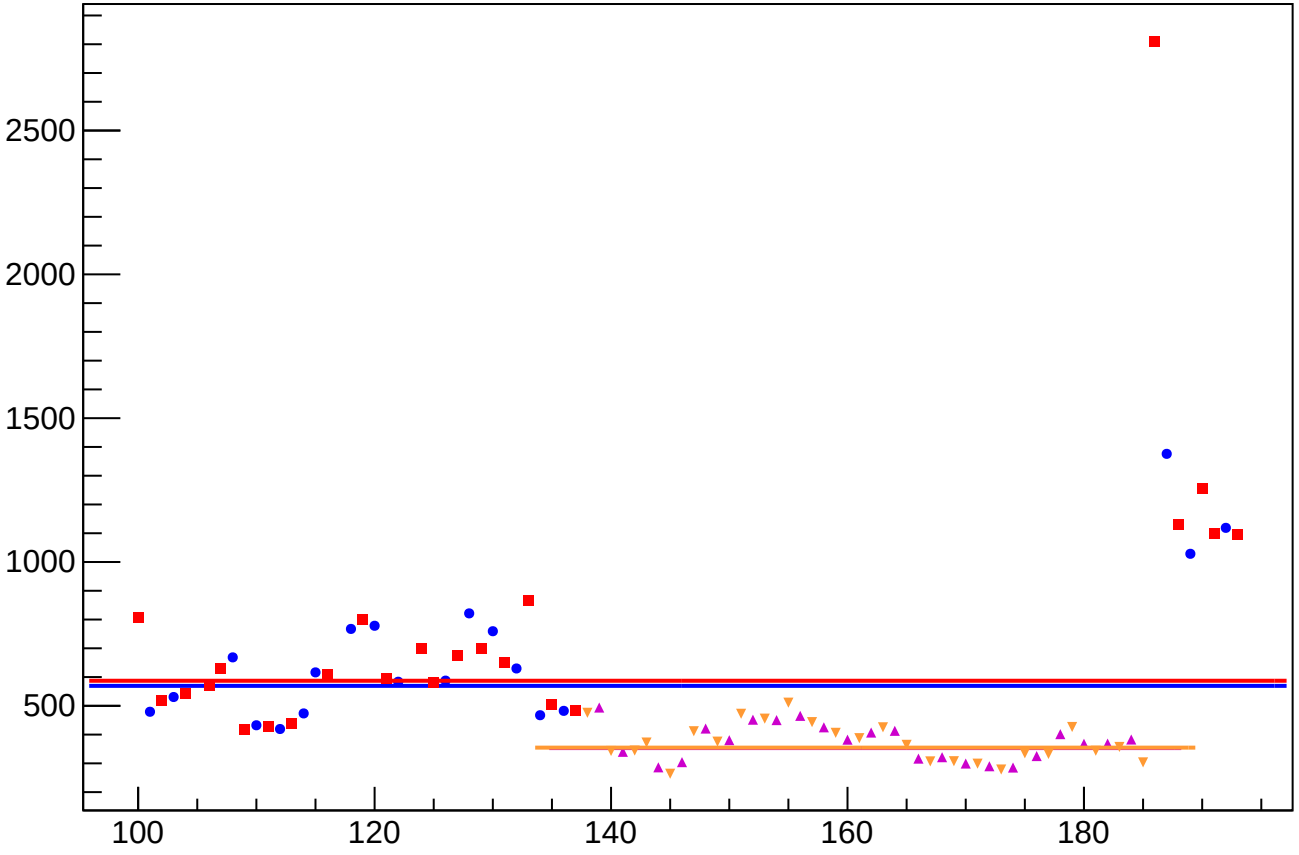
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -368.685+/-75.927 χ^2/NDF: 88.1/43

All: -249.191+/-54.122 χ^2/NDF: 139.0/90

- sign -125.761+/-77.167 χ^2/NDF: 45.9/46

asym_sam_1357_avg_cor_correction_rms vs Slug



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: 587.189+/-0.139 χ^2/NDF: 2293500.5/23

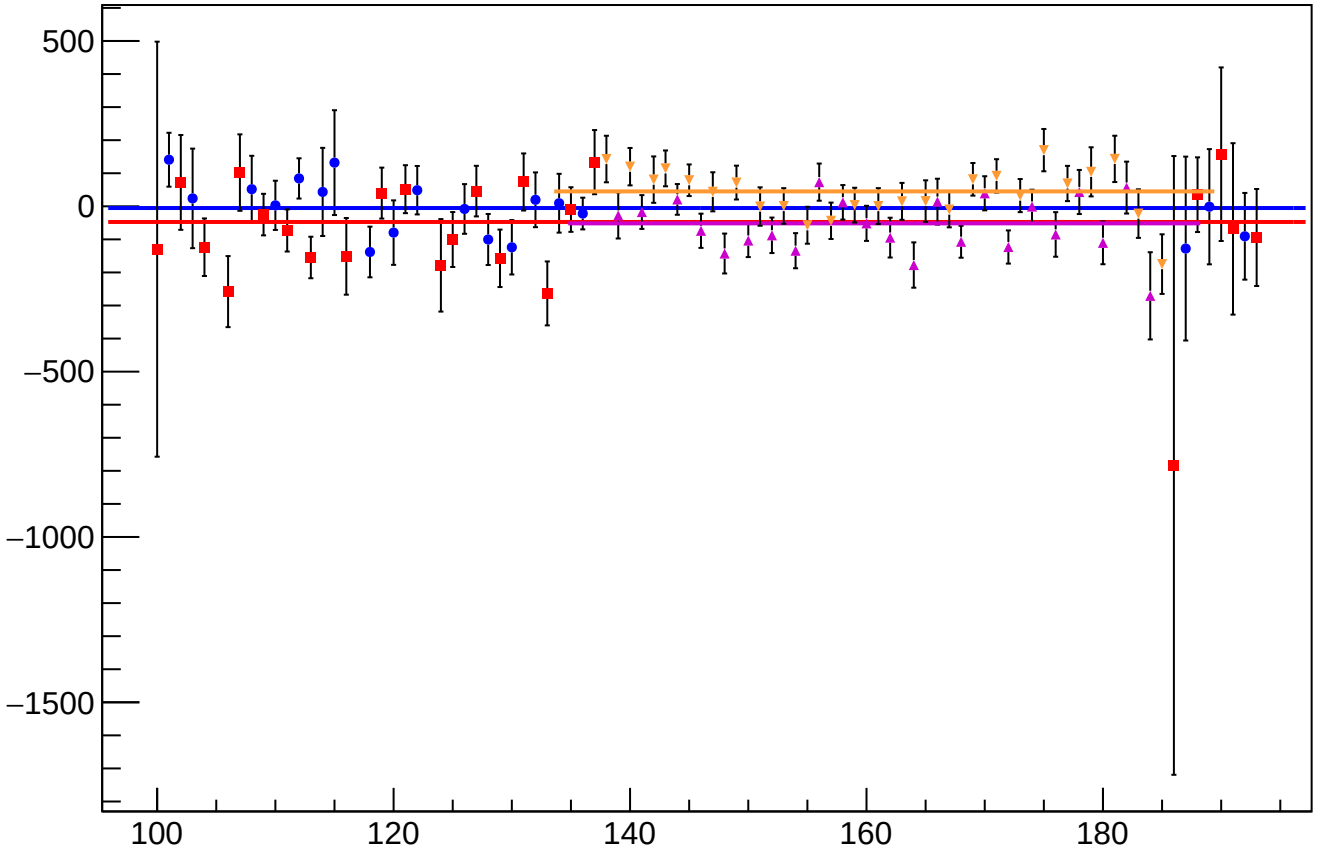
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 385.588+/-0.054 χ^2/NDF: 4580400.9/43

All: 387.332+/-0.038 χ^2/NDF: 10276483.5/90

- sign 389.134+/-0.055 χ^2/NDF: 5693936.2/46

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: -47.343+/-19.060 χ^2/NDF: 31.2/23

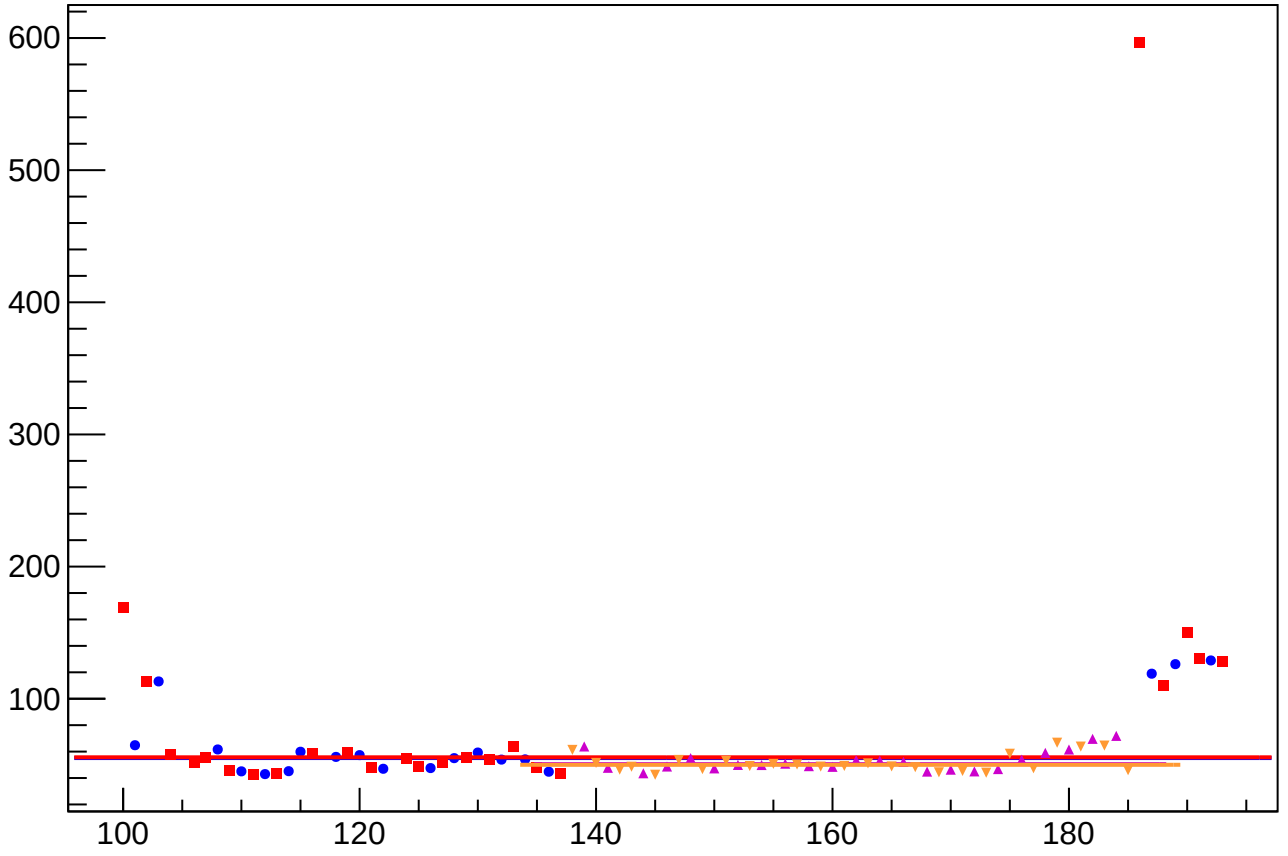
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.219+/-9.914 χ^2/NDF: 51.5/43

All: -8.282+/-7.079 χ^2/NDF: 152.6/90

- sign -50.413+/-10.112 χ^2/NDF: 67.0/46

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

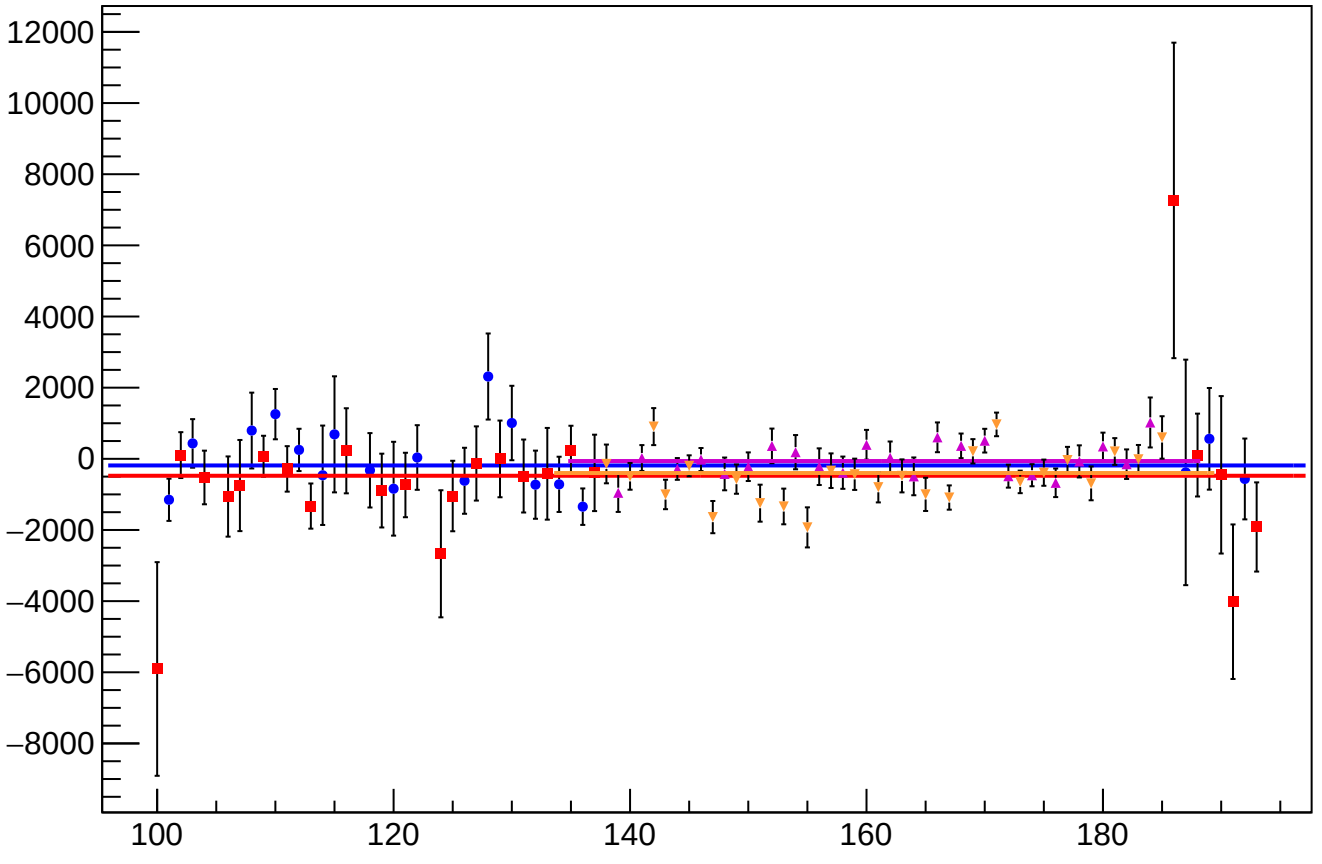
Right Out: 55.671+/-0.013 χ^2/NDF: 2773781.6/23

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 51.325+/-0.007 χ^2/NDF: 2289793.5/43

All: 51.638+/-0.005 χ^2/NDF: 5676361.6/90

- sign 51.964+/-0.007 χ^2/NDF: 3382490.2/46



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: -476.102+/-196.706 χ^2/NDF: 18.2/23

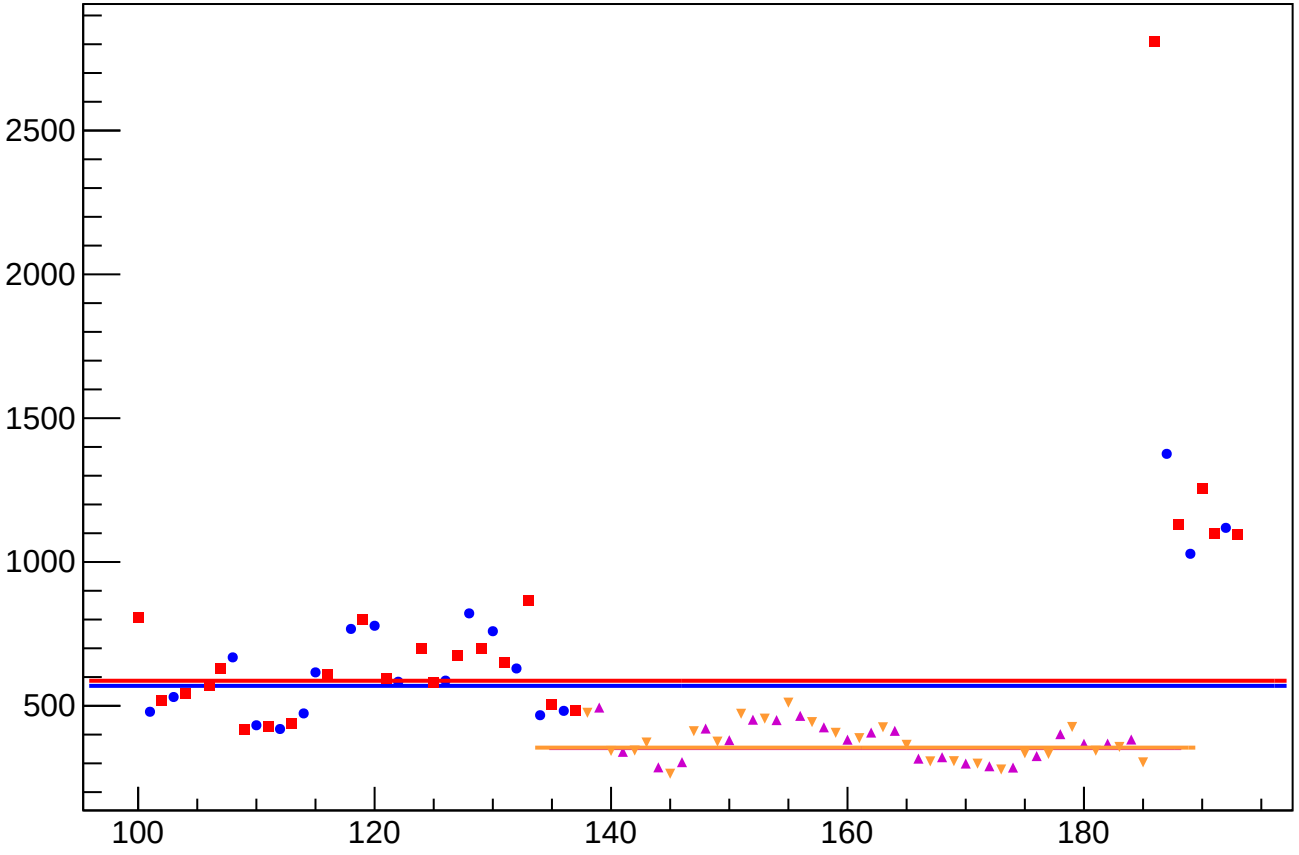
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -368.685+/-75.927 χ^2/NDF: 88.1/43

All: -249.191+/-54.122 χ^2/NDF: 139.0/90

- sign -125.761+/-77.167 χ^2/NDF: 45.9/46

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug



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: 587.189+/-0.139 χ^2/NDF: 2293500.5/23

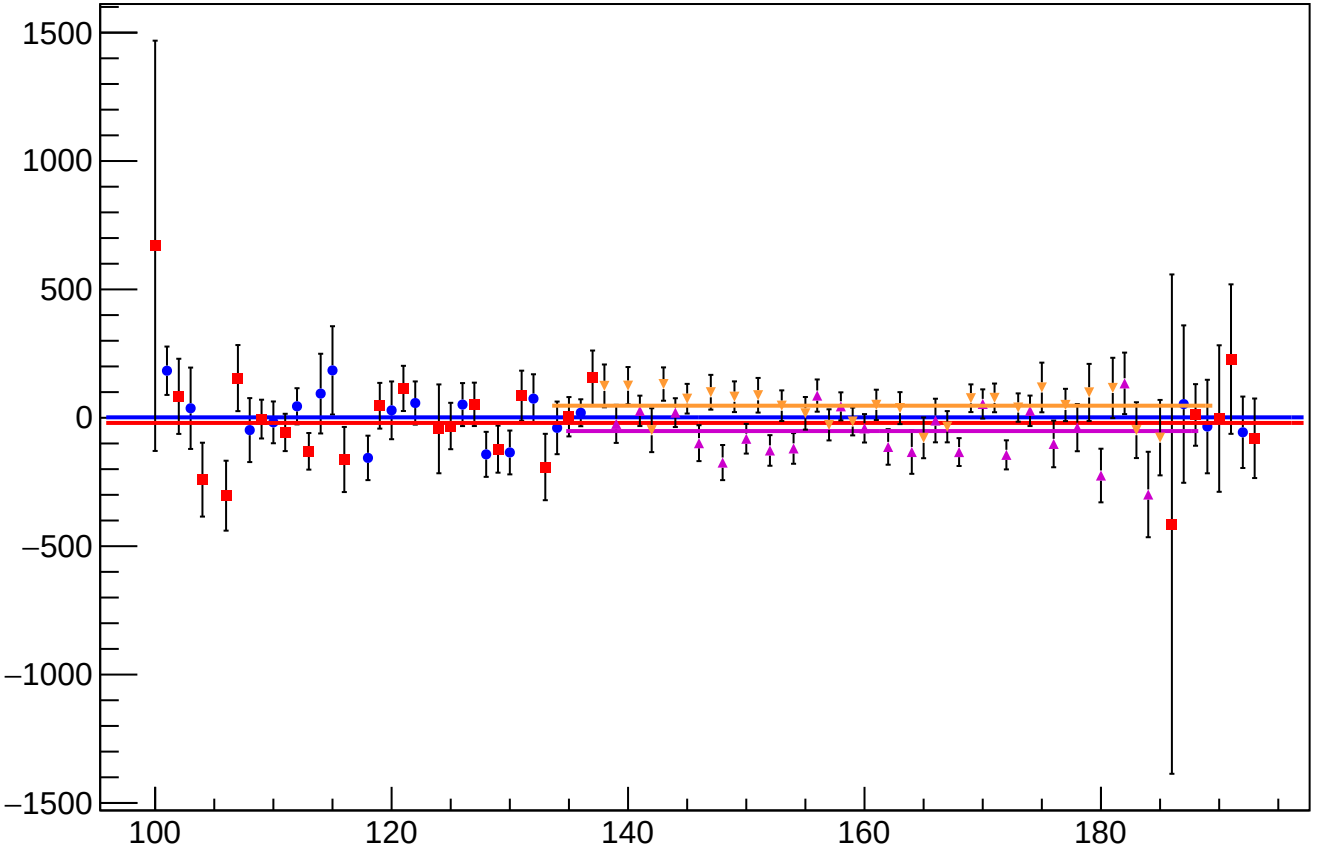
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 385.588+/-0.054 χ^2/NDF: 4580400.9/43

All: 387.332+/-0.038 χ^2/NDF: 10276483.5/90

- sign 389.134+/-0.055 χ^2/NDF: 5693936.2/46

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: -20.009+/-22.004 χ^2/NDF: 25.5/23

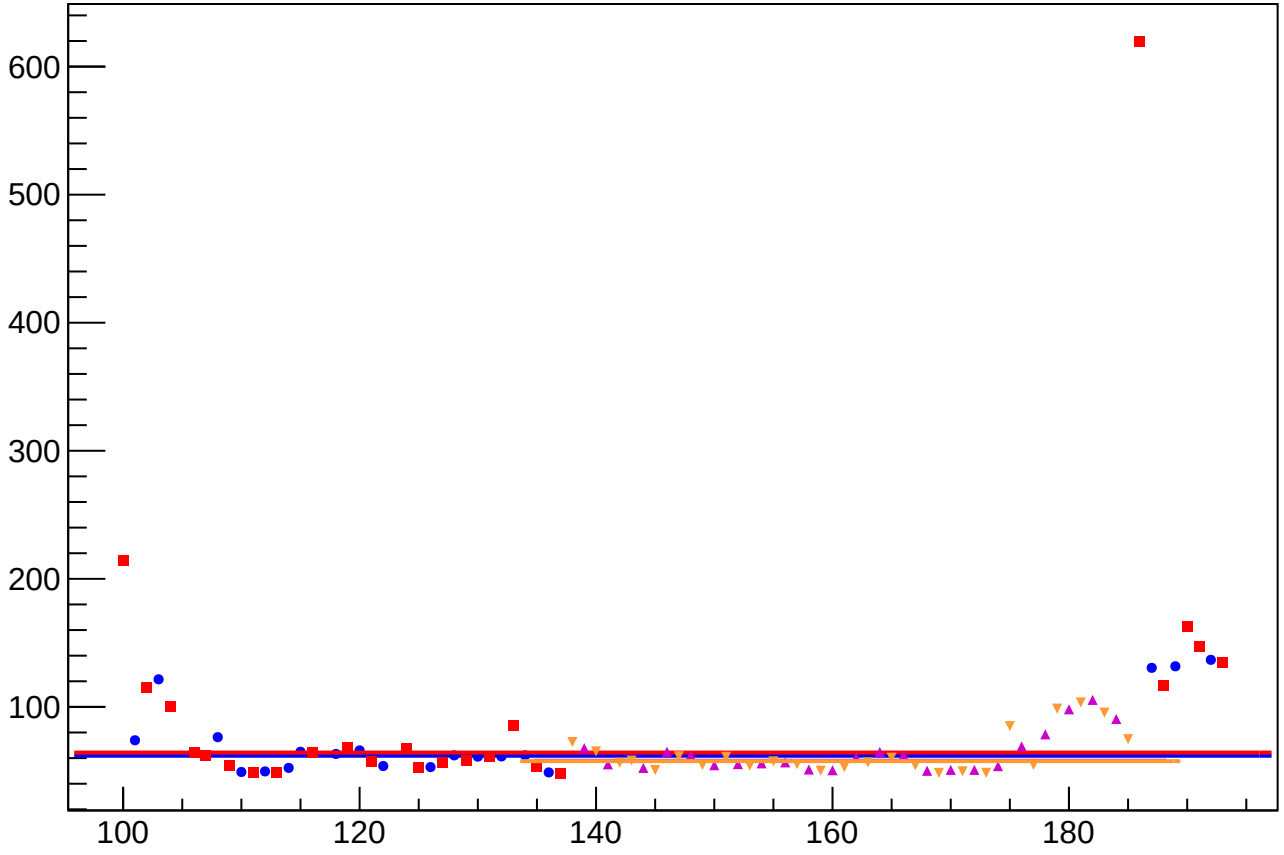
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 34.710+/-11.509 χ^2/NDF: 36.5/43

All: -3.071+/-8.230 χ^2/NDF: 123.7/90

- sign -42.595+/-11.772 χ^2/NDF: 65.2/46

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

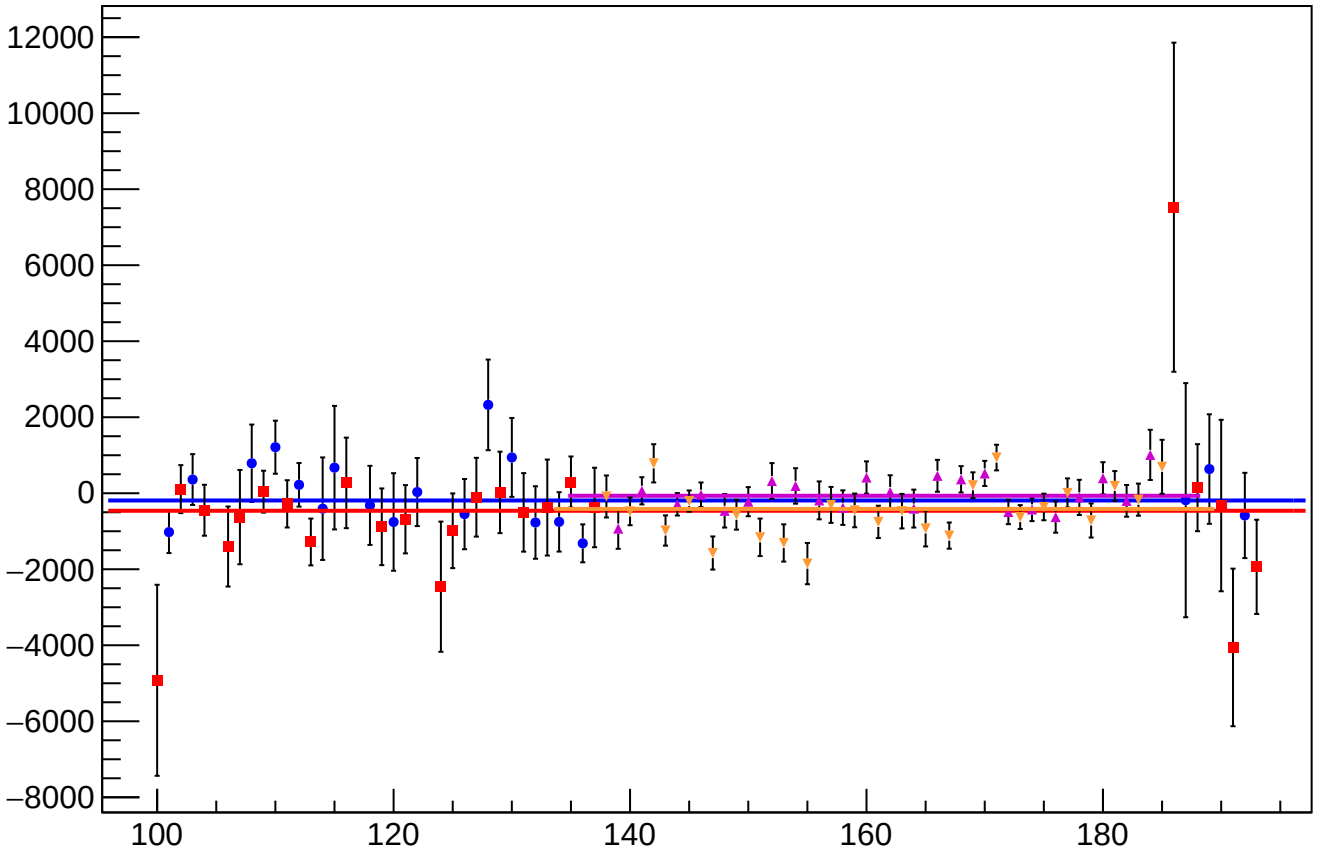
Right Out: 64.341+/-0.016 χ^2/NDF: 2727387.5/23

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 58.790+/-0.008 χ^2/NDF: 3021670.4/43

All: 59.270+/-0.006 χ^2/NDF: 7001521.9/90

- sign 59.772+/-0.008 χ^2/NDF: 3972730.3/46



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: -461.147+/-190.136 χ^2/NDF: 19.5/23

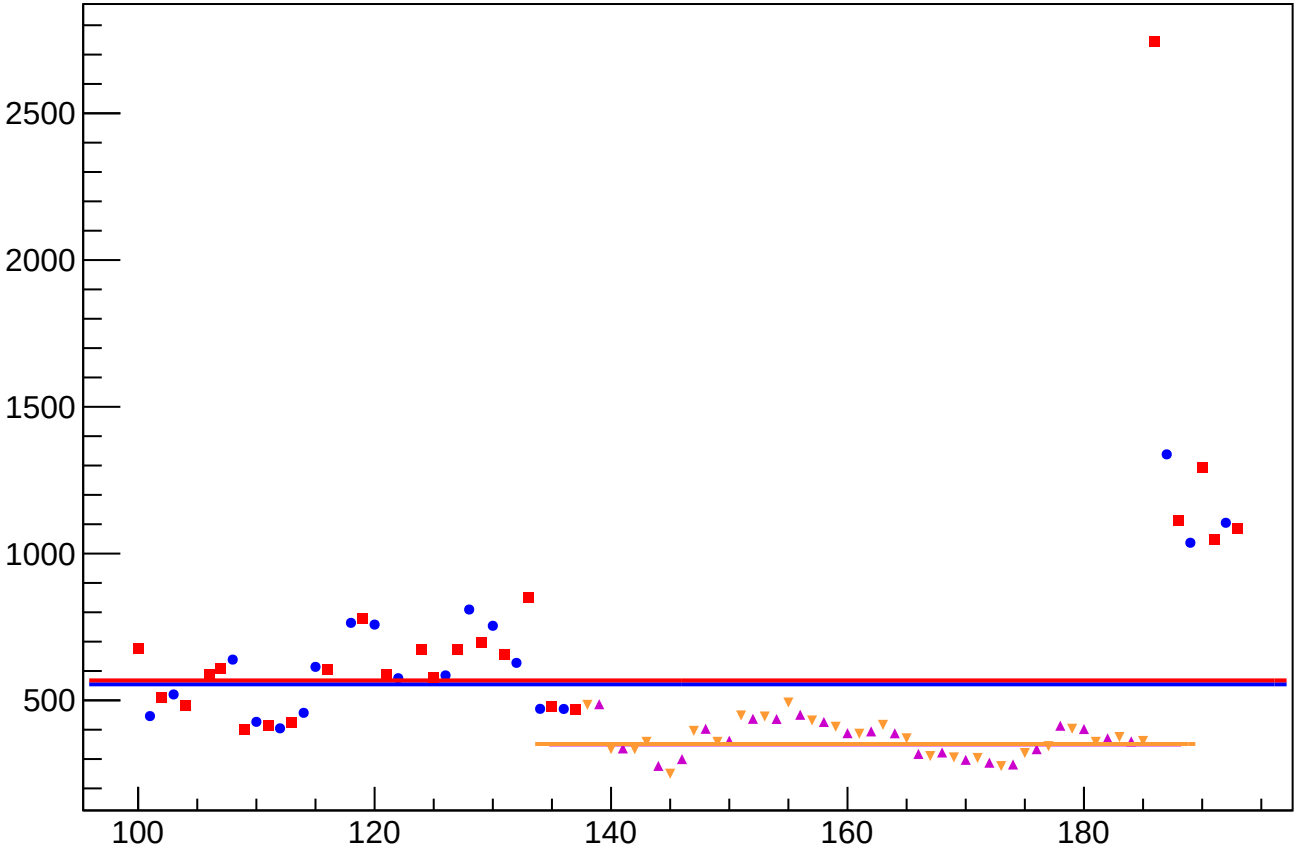
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -380.275+/-74.923 χ^2/NDF: 83.7/43

All: -257.083+/-53.401 χ^2/NDF: 135.1/90

- sign -129.886+/-76.131 χ^2/NDF: 46.0/46

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: 567.917+/-0.134 χ^2/NDF: 2407660.4/23

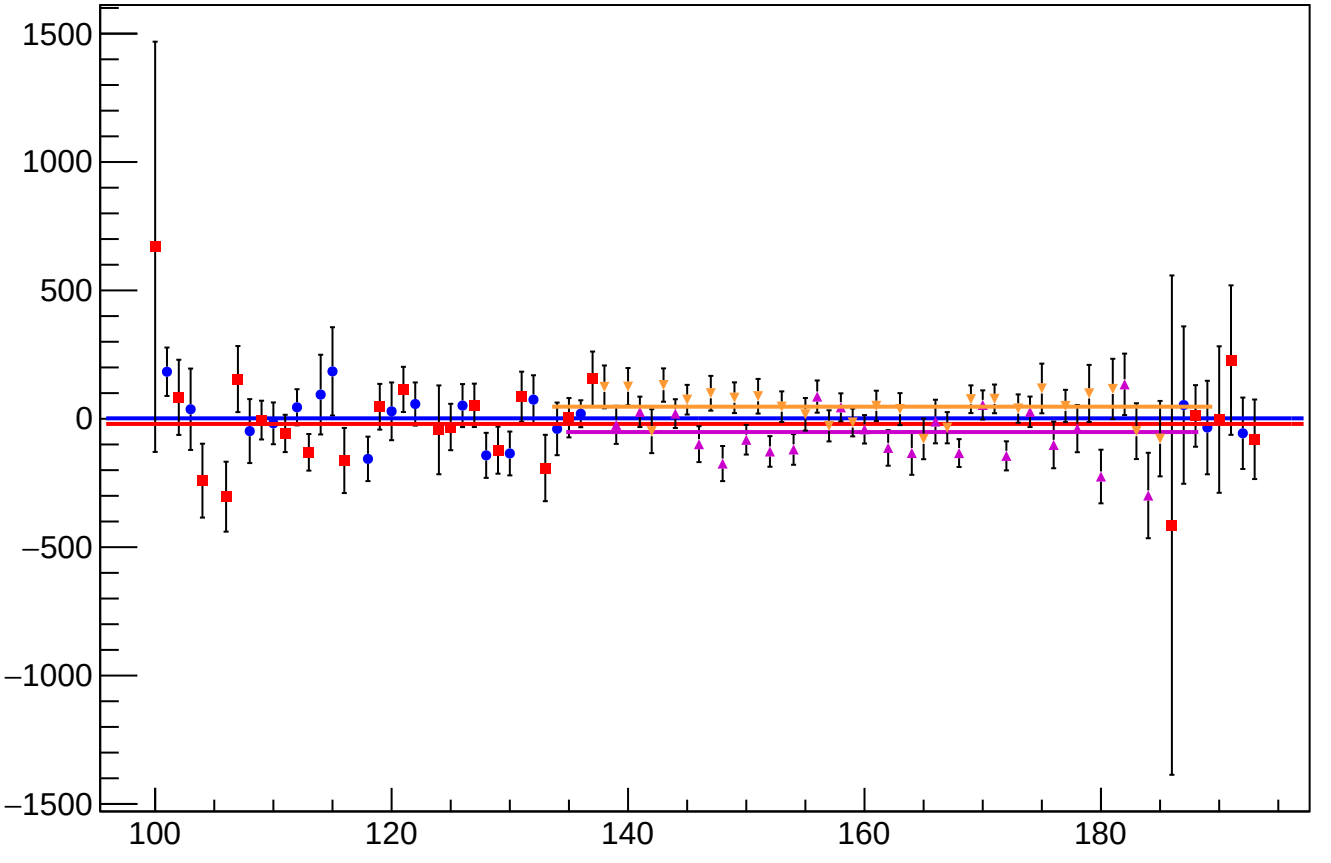
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 381.204+/-0.053 χ^2/NDF: 4506443.4/43

All: 382.963+/-0.038 χ^2/NDF: 10116445.4/90

- sign 384.780+/-0.054 χ^2/NDF: 5607760.2/46

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: -20.007+/-22.004 χ^2/NDF: 25.5/23

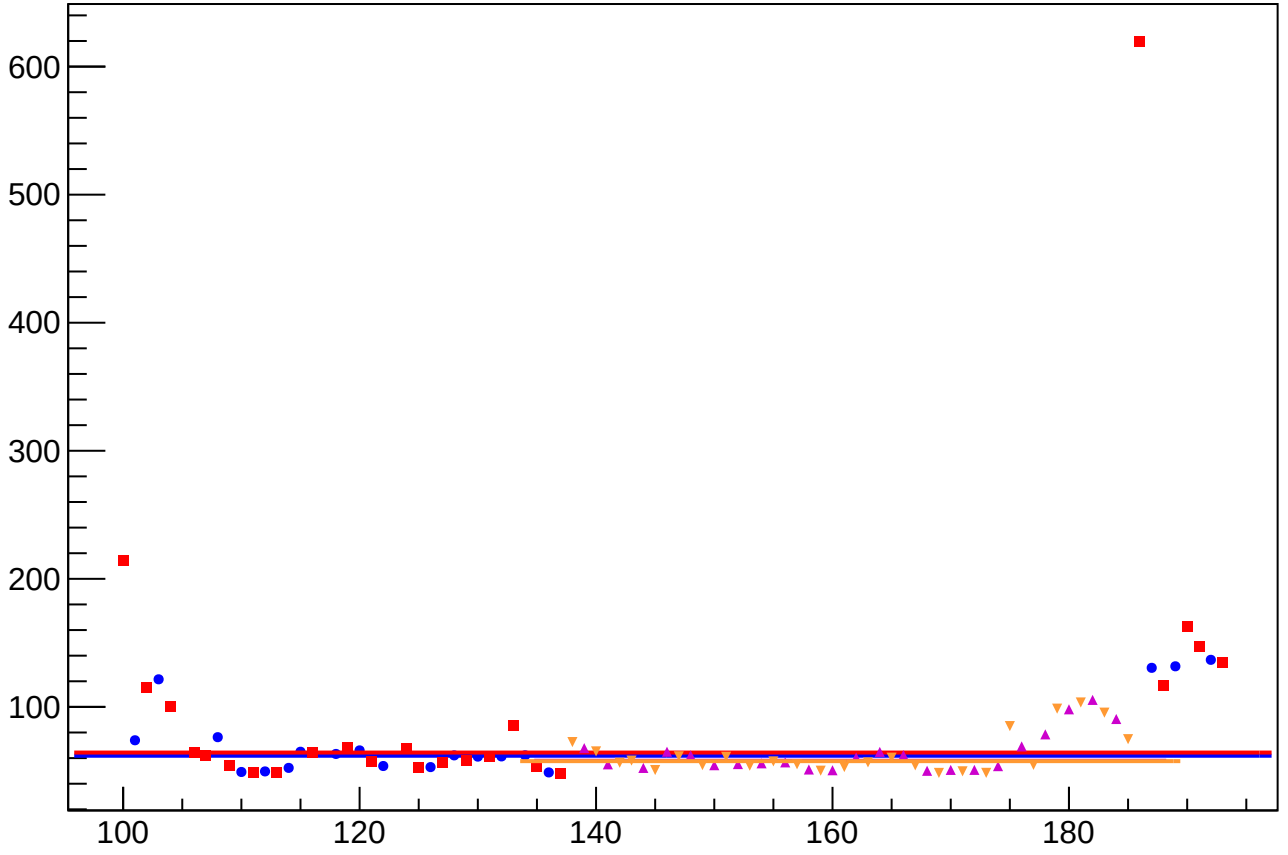
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 34.710+/-11.509 χ^2/NDF: 36.5/43

All: -3.071+/-8.230 χ^2/NDF: 123.7/90

- sign -42.595+/-11.772 χ^2/NDF: 65.2/46

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

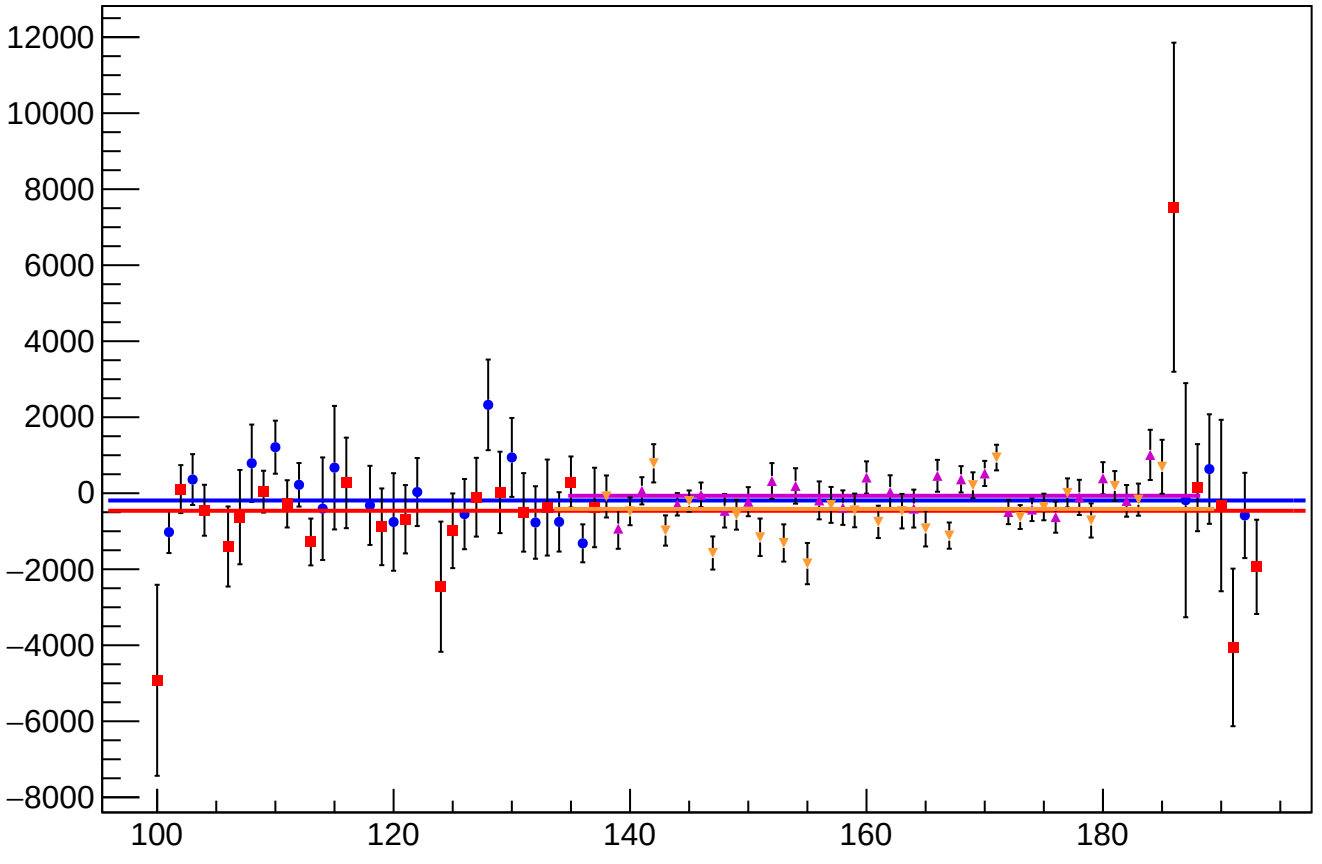
Right Out: 64.342+/-0.016 χ^2/NDF: 2727386.3/23

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 58.790+/-0.008 χ^2/NDF: 3021661.1/43

All: 59.270+/-0.006 χ^2/NDF: 7001498.4/90

- sign 59.772+/-0.008 χ^2/NDF: 3972715.7/46



Right In: -190.445+/-195.249 χ^2/NDF: 21.2/18

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

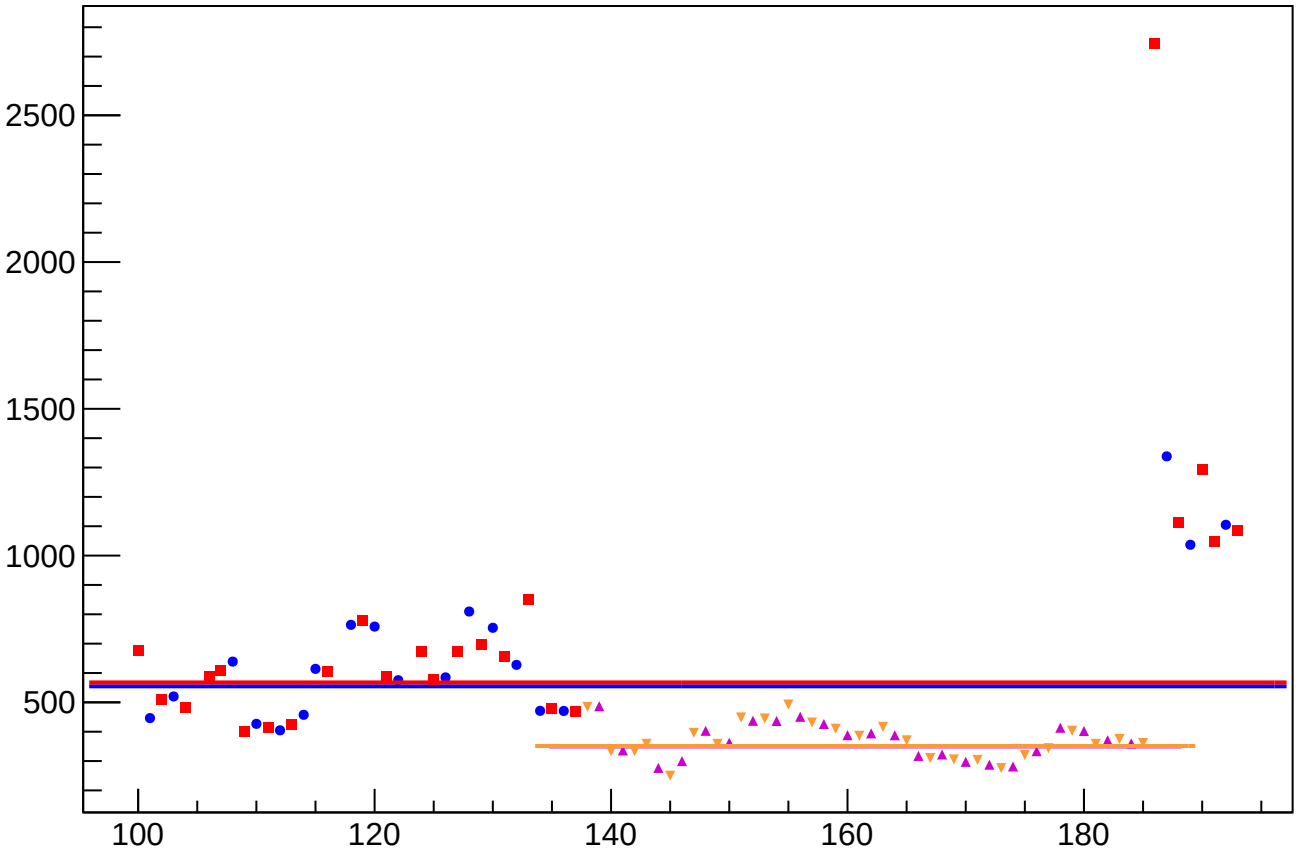
Right Out: -461.146+/-190.136 χ^2/NDF: 19.5/23

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

\+ sign -380.274+/-74.923 χ^2/NDF: 83.7/43

All: -257.082+/-53.401 χ^2/NDF: 135.1/90

\- sign -129.886+/-76.131 χ^2/NDF: 46.0/46



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: 567.916+/-0.134 χ^2/NDF: 2407664.1/23

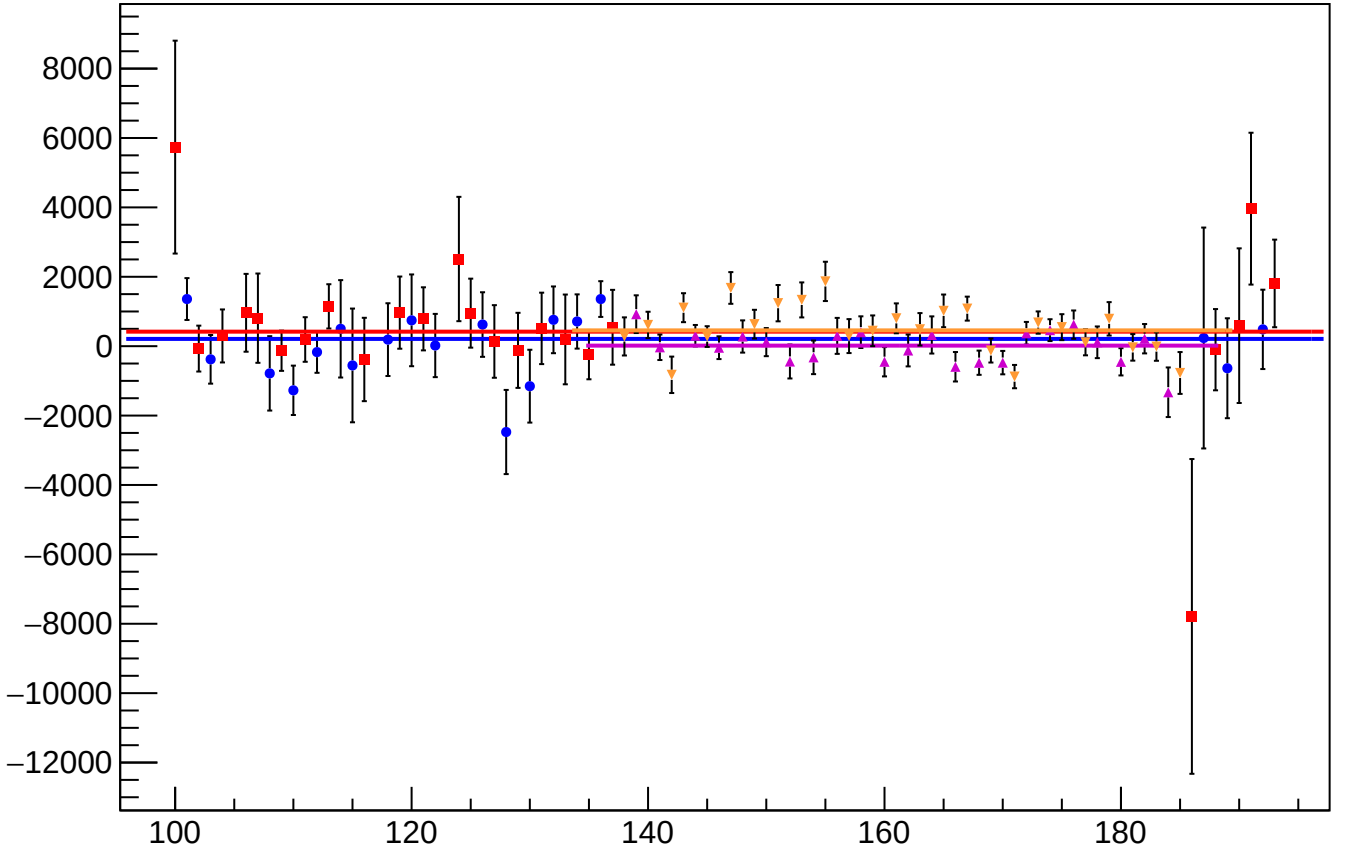
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 381.203+/-0.053 χ^2/NDF: 4506436.2/43

All: 382.963+/-0.038 χ^2/NDF: 10116423.8/90

- sign 384.780+/-0.054 χ^2/NDF: 5607745.5/46

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: 418.561+/-198.123 χ^2/NDF: 17.3/23

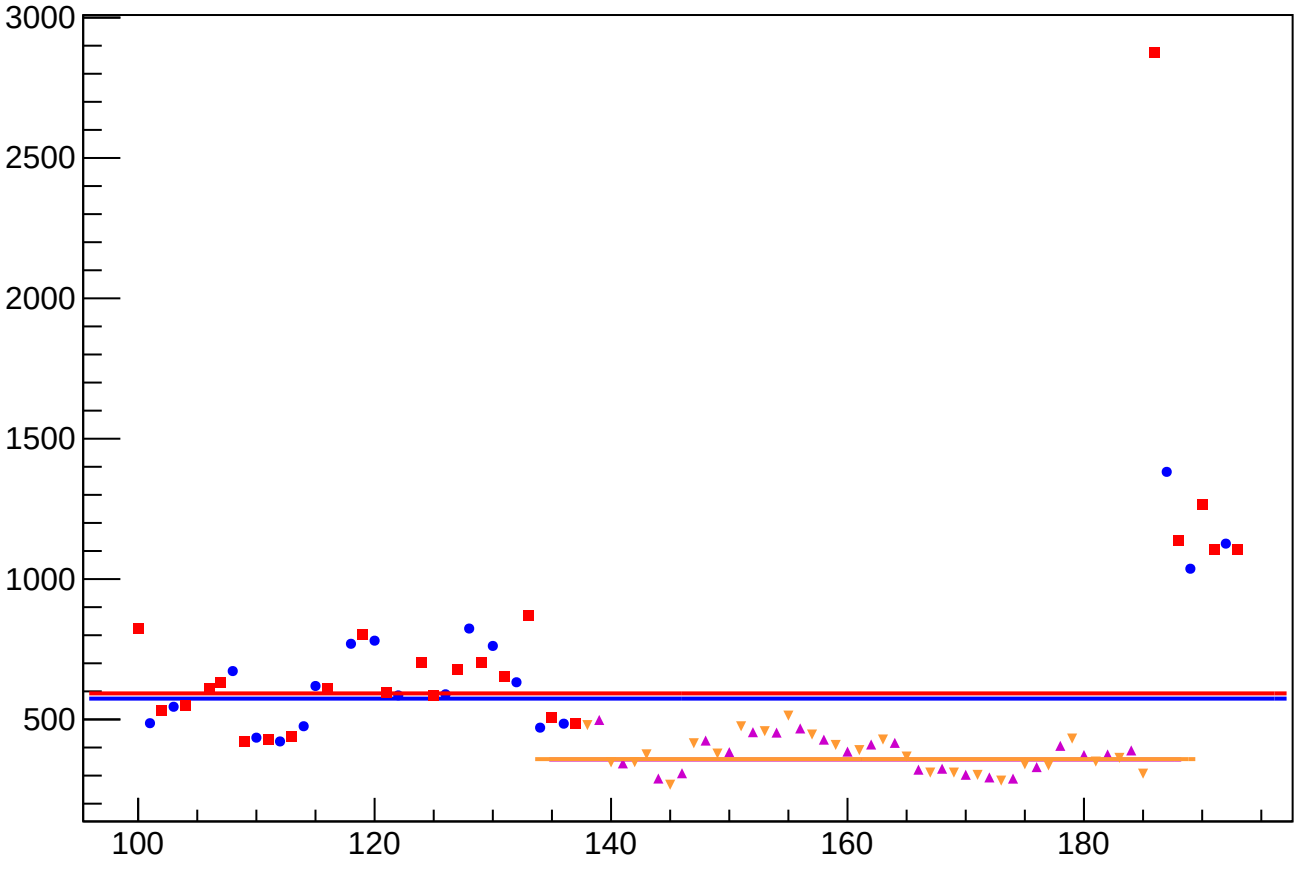
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 419.668+/-76.726 χ^2/NDF: 85.4/43

All: 251.821+/-54.692 χ^2/NDF: 140.8/90

- sign 78.429+/-77.983 χ^2/NDF: 45.7/46

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

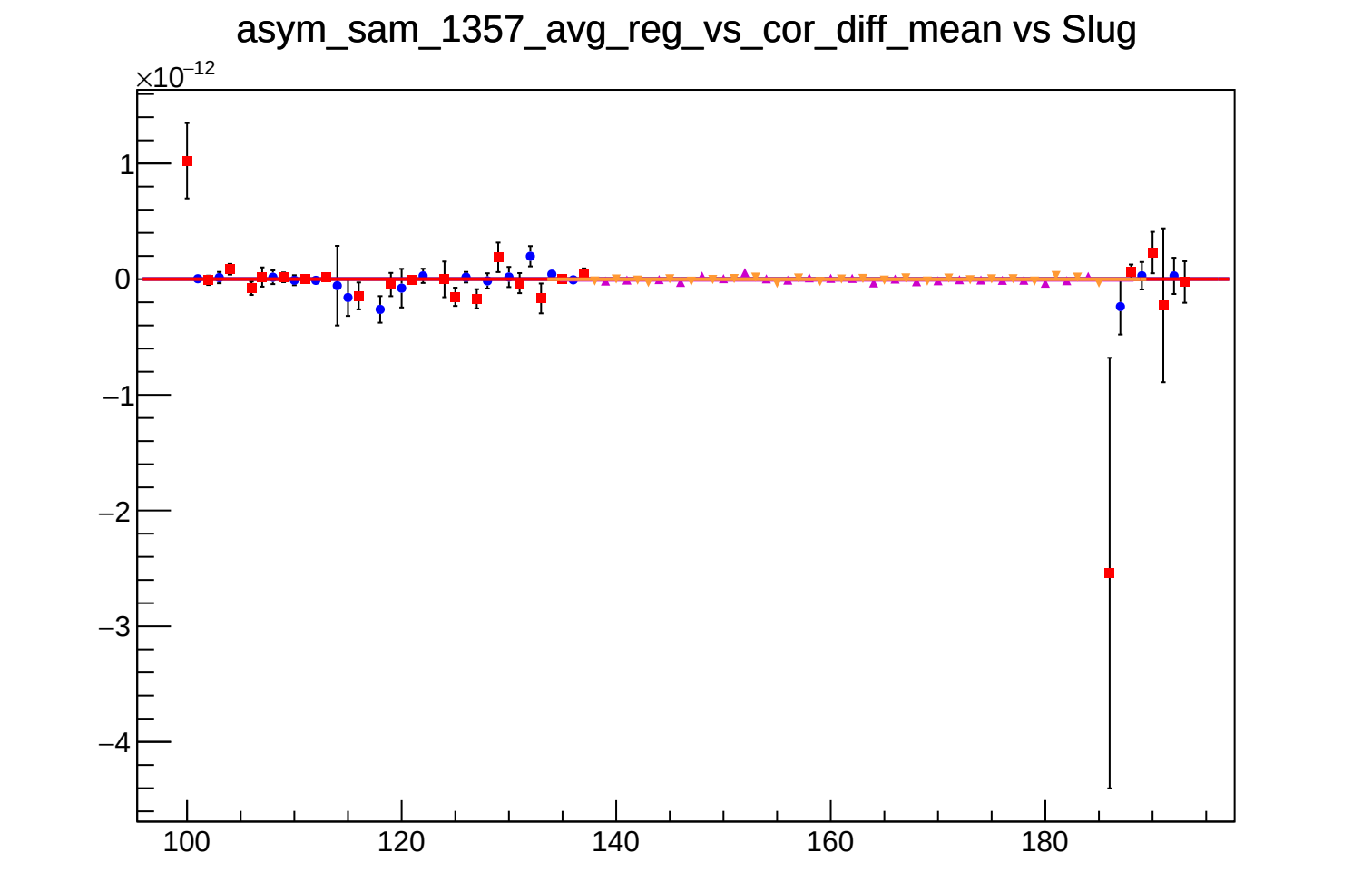
Right Out: 592.808+/-0.140 χ^2/NDF: 2289535.2/23

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 389.855+/-0.054 χ^2/NDF: 4524094.1/43

All: 391.740+/-0.039 χ^2/NDF: 10188272.5/90

- sign 393.687+/-0.055 χ^2/NDF: 5661724.3/46



Right In: 0.000+/-0.000 χ^2/NDF: 14.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

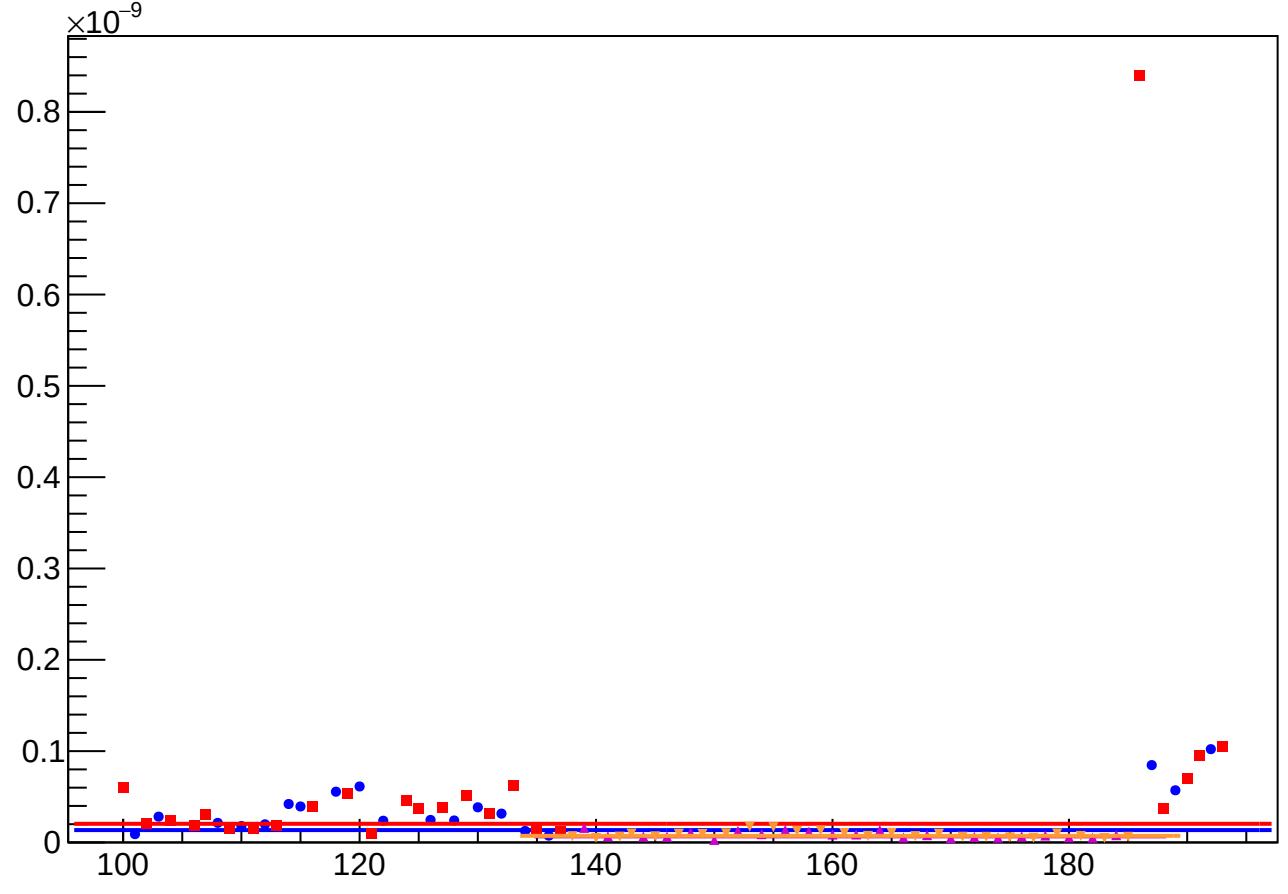
Right Out: 0.000+/-0.000 χ^2/NDF: 34.6/23

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: 97.6/90

- sign -0.000+/-0.000 χ^2/NDF: 63.3/46



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: 2522935.5/23

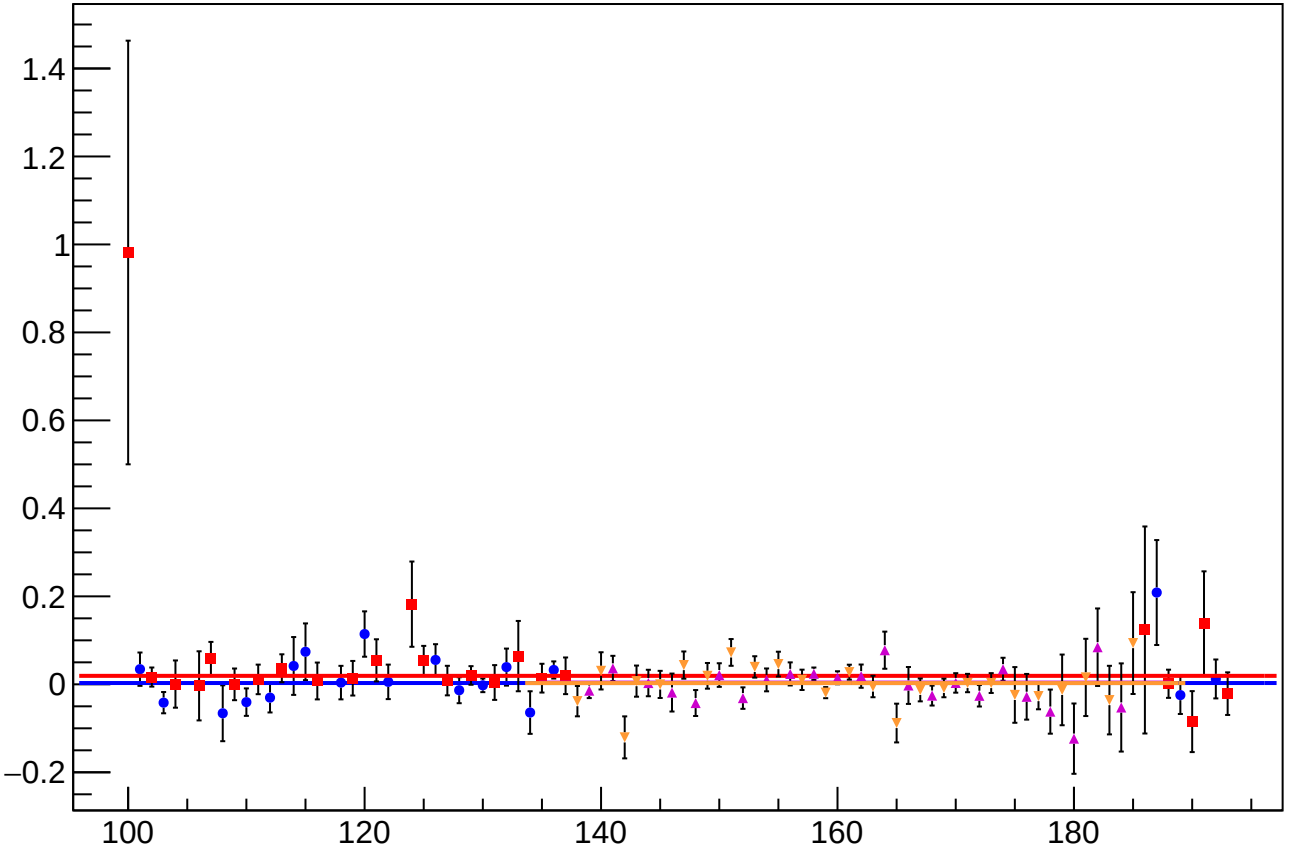
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5172710.2/43

All: 0.000+/-0.000 χ^2/NDF: 12011105.0/90

- sign 0.000+/-0.000 χ^2/NDF: 6813495.3/46

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: 0.019+/-0.008 χ^2/NDF: 15.4/23

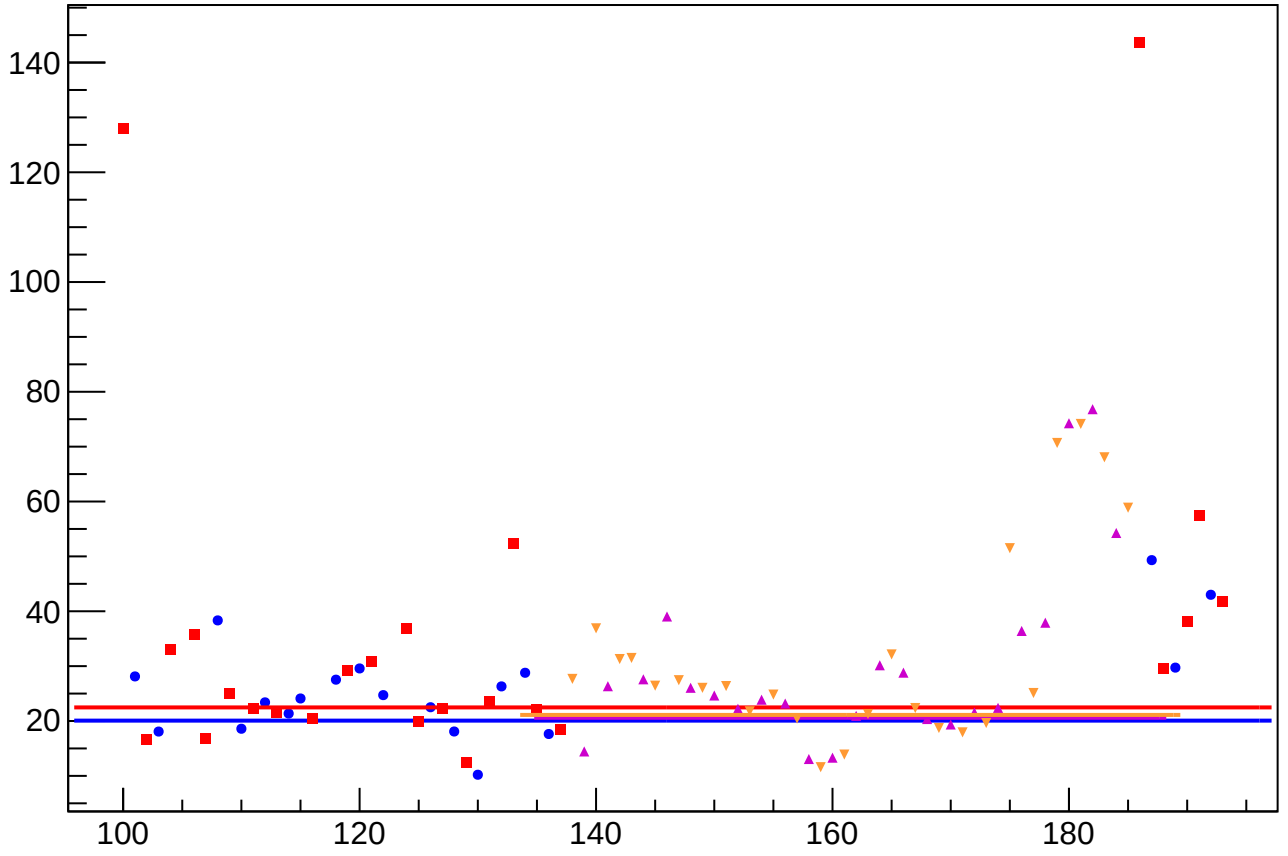
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 58.2/43

All: 0.006+/-0.003 χ^2/NDF: 101.6/90

- sign 0.009+/-0.004 χ^2/NDF: 42.5/46

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: 22.478+/-0.006 χ^2/NDF: 2593658.3/23

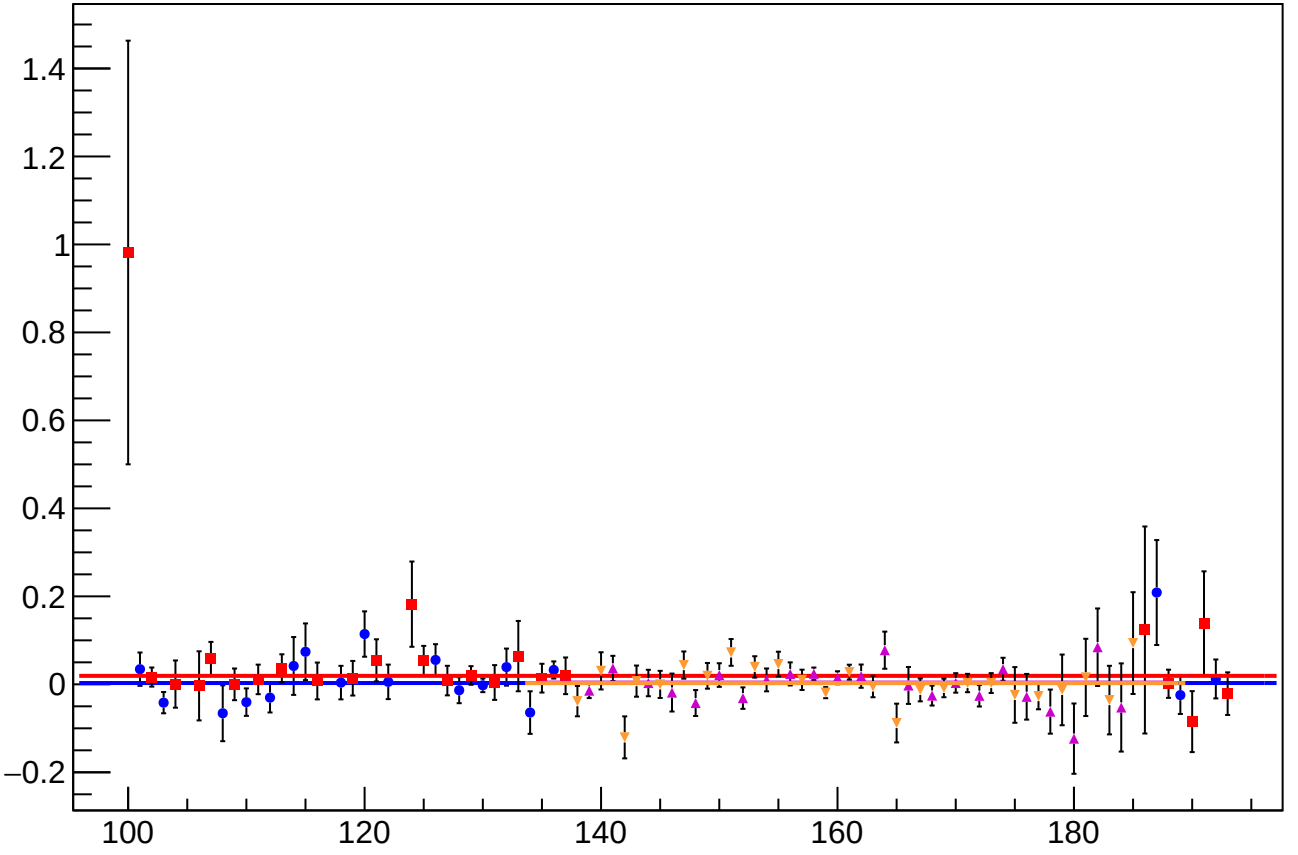
Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.752+/-0.003 χ^2/NDF: 7764977.7/43

All: 20.967+/-0.002 χ^2/NDF: 15044079.8/90

- sign 21.189+/-0.003 χ^2/NDF: 7269497.1/46

asym_sam_1357_avg_dit_vs_eigen_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

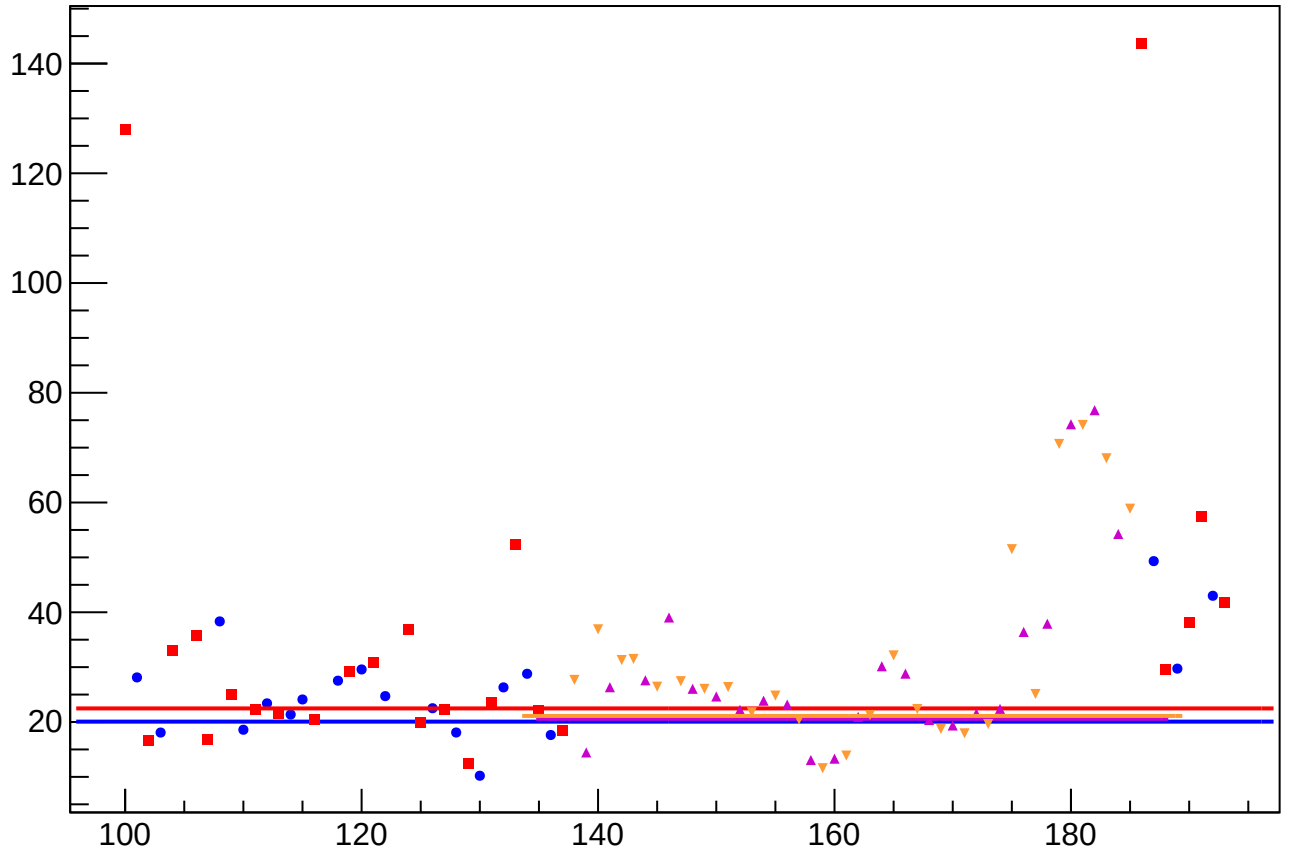
Right Out: 0.019+/-0.008 χ^2/NDF: 15.4/23

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: 101.6/90

- sign 0.009+/-0.004 χ^2/NDF: 42.5/46



Right In: 20.069+/-0.005 χ^2/NDF: 2193555.3/18

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

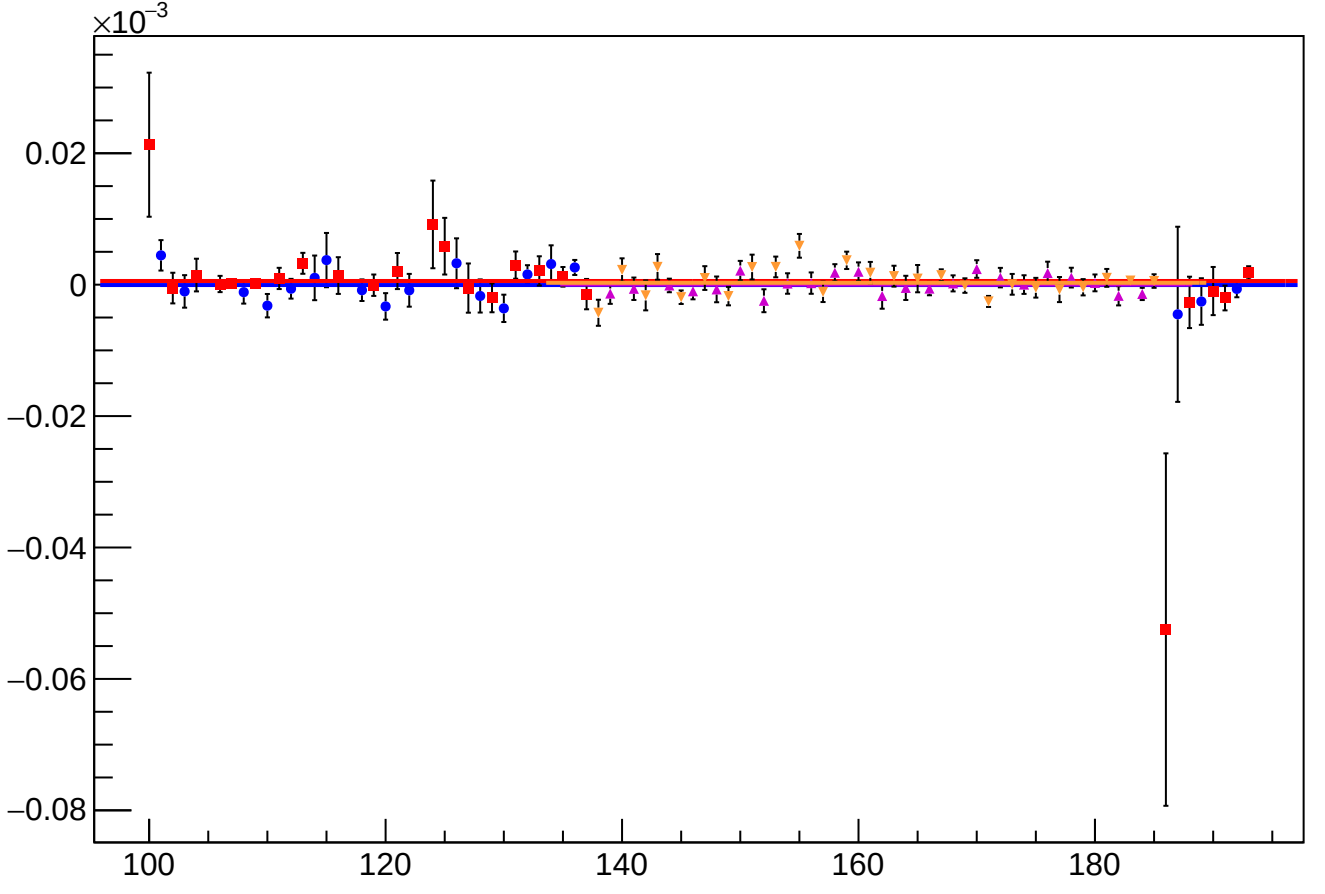
Right Out: 22.478+/-0.006 χ^2/NDF: 2593658.3/23

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.752+/-0.003 χ^2/NDF: 7764977.7/43

All: 20.967+/-0.002 χ^2/NDF: 15044079.8/90

- sign 21.189+/-0.003 χ^2/NDF: 7269497.1/46



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: 23.9/23

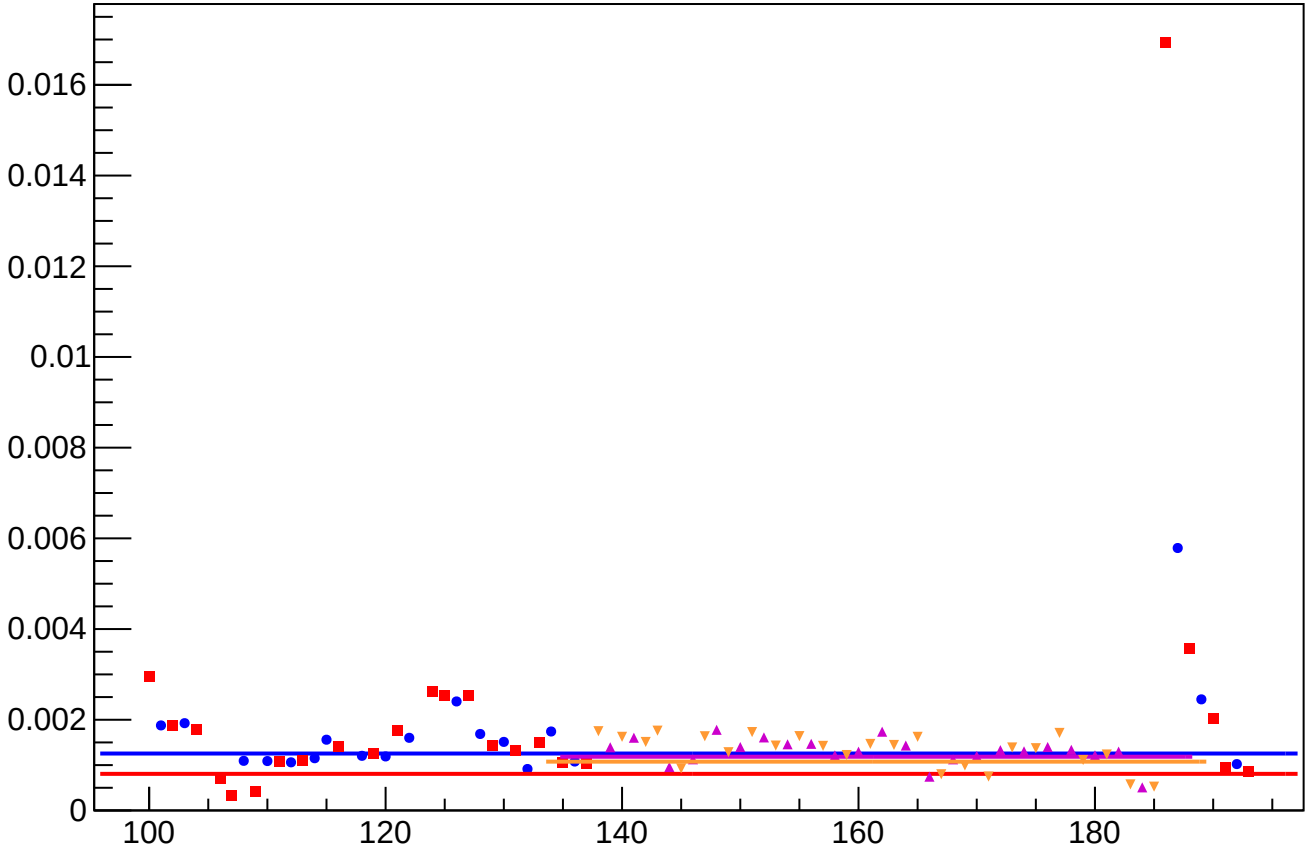
Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.5/43

All: 0.000+/-0.000 χ^2/NDF: 122.8/90

- sign 0.000+/-0.000 χ^2/NDF: 45.3/46

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

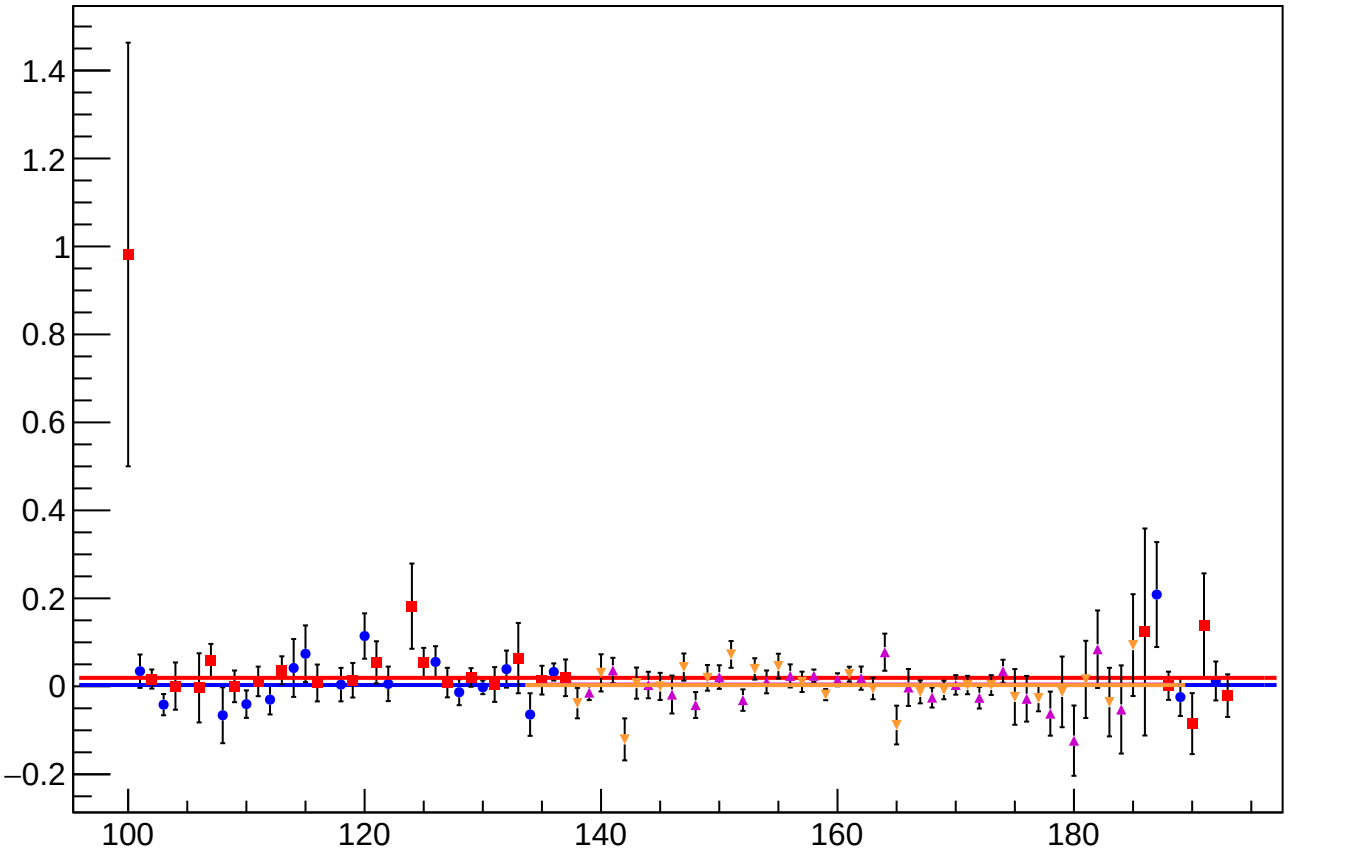
Right Out: 0.001+/-0.000 χ^2/NDF: 6674908.6/23

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: 17166826.0/90

- sign 0.001+/-0.000 χ^2/NDF: 10700505.3/46



Right In: 0.003+/-0.008 χ^2/NDF: 25.4/18

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

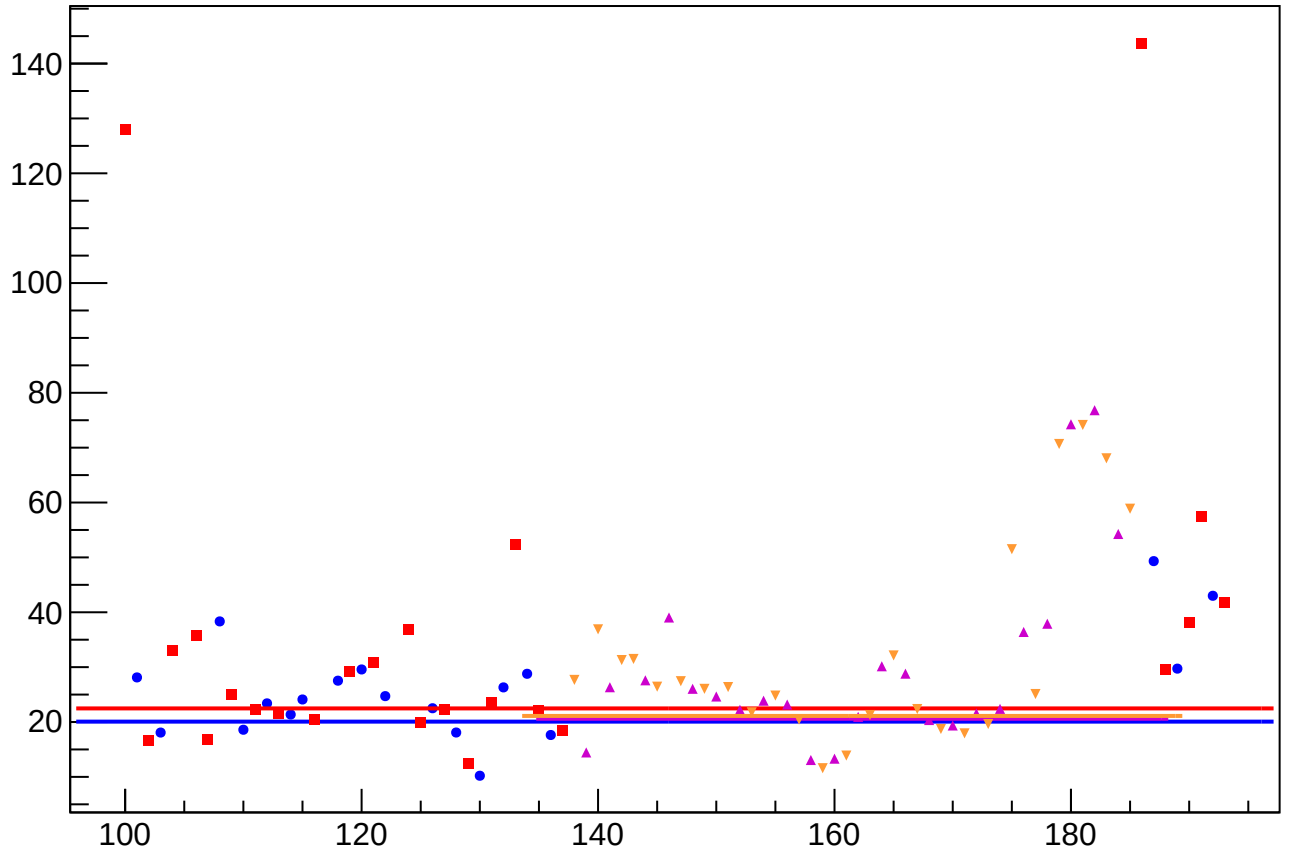
Right Out: 0.019+/-0.008 χ^2/NDF: 15.4/23

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: 101.6/90

- sign 0.009+/-0.004 χ^2/NDF: 42.5/46



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: 22.478+/-0.006 χ^2/NDF: 2593629.3/23

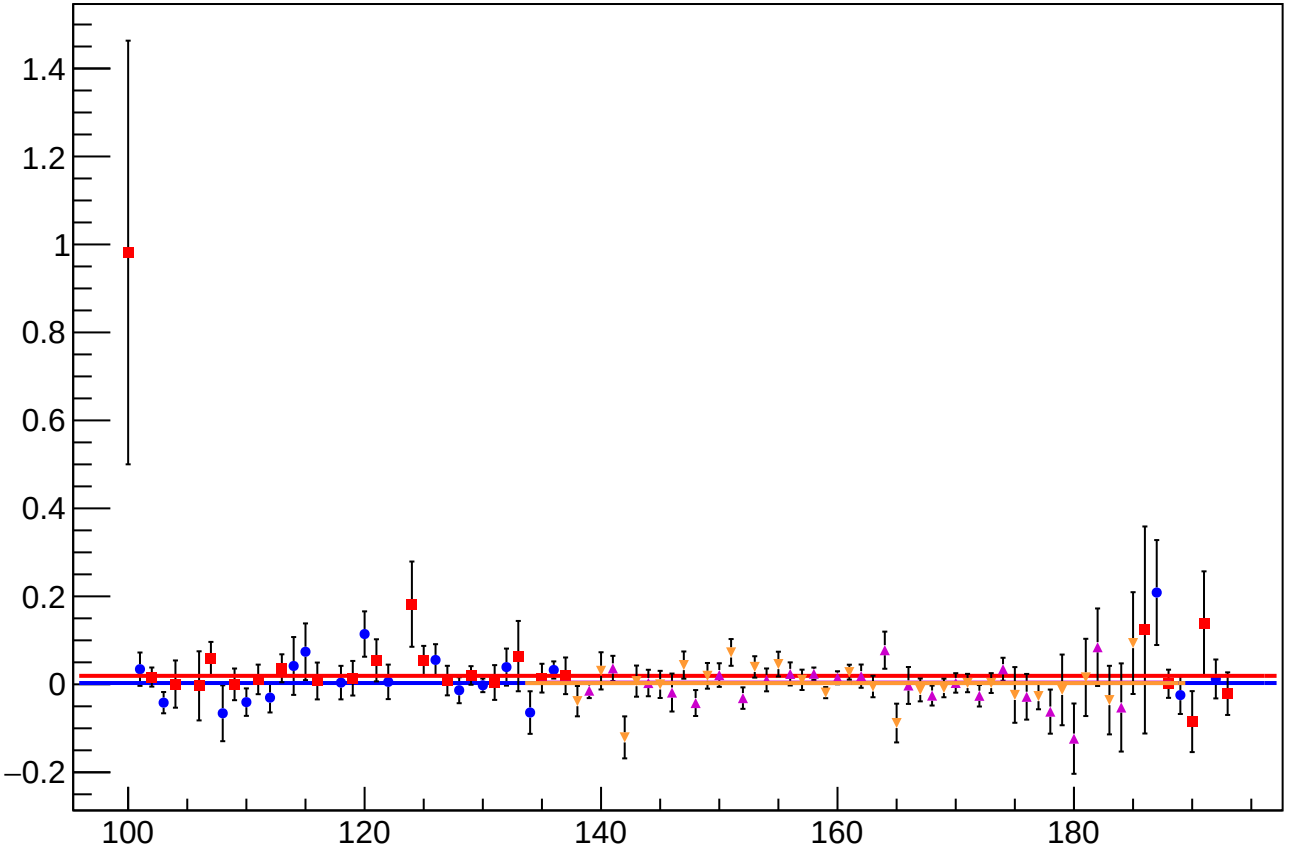
Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.753+/-0.003 χ^2/NDF: 7764966.1/43

All: 20.968+/-0.002 χ^2/NDF: 15044040.9/90

- sign 21.189+/-0.003 χ^2/NDF: 7269468.3/46

asym_sam_1357_avg_eigen_dit_vs_eigen_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

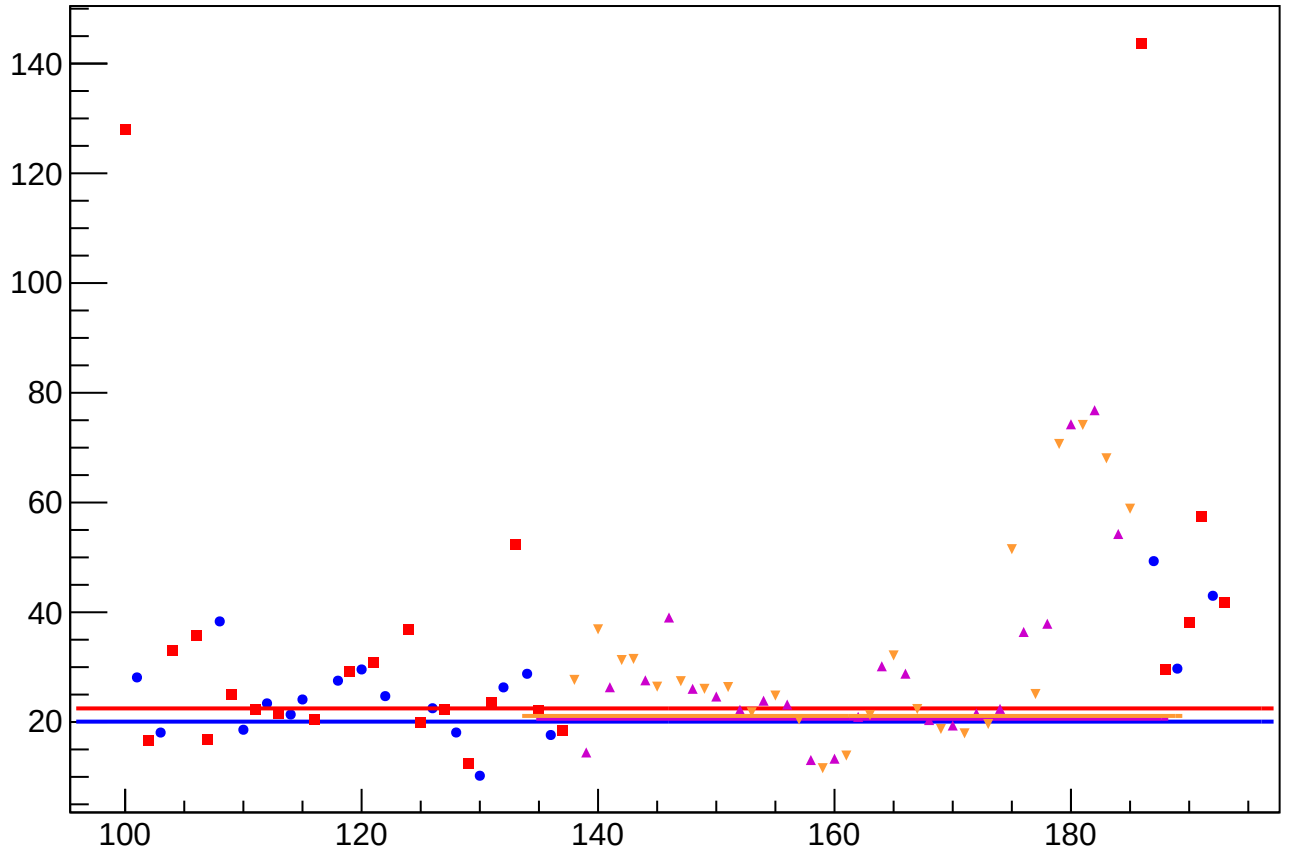
Right Out: 0.019+/-0.008 χ^2/NDF: 15.4/23

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: 101.6/90

- sign 0.009+/-0.004 χ^2/NDF: 42.5/46



Right In: 20.070+/-0.005 χ^2/NDF: 2193426.9/18

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

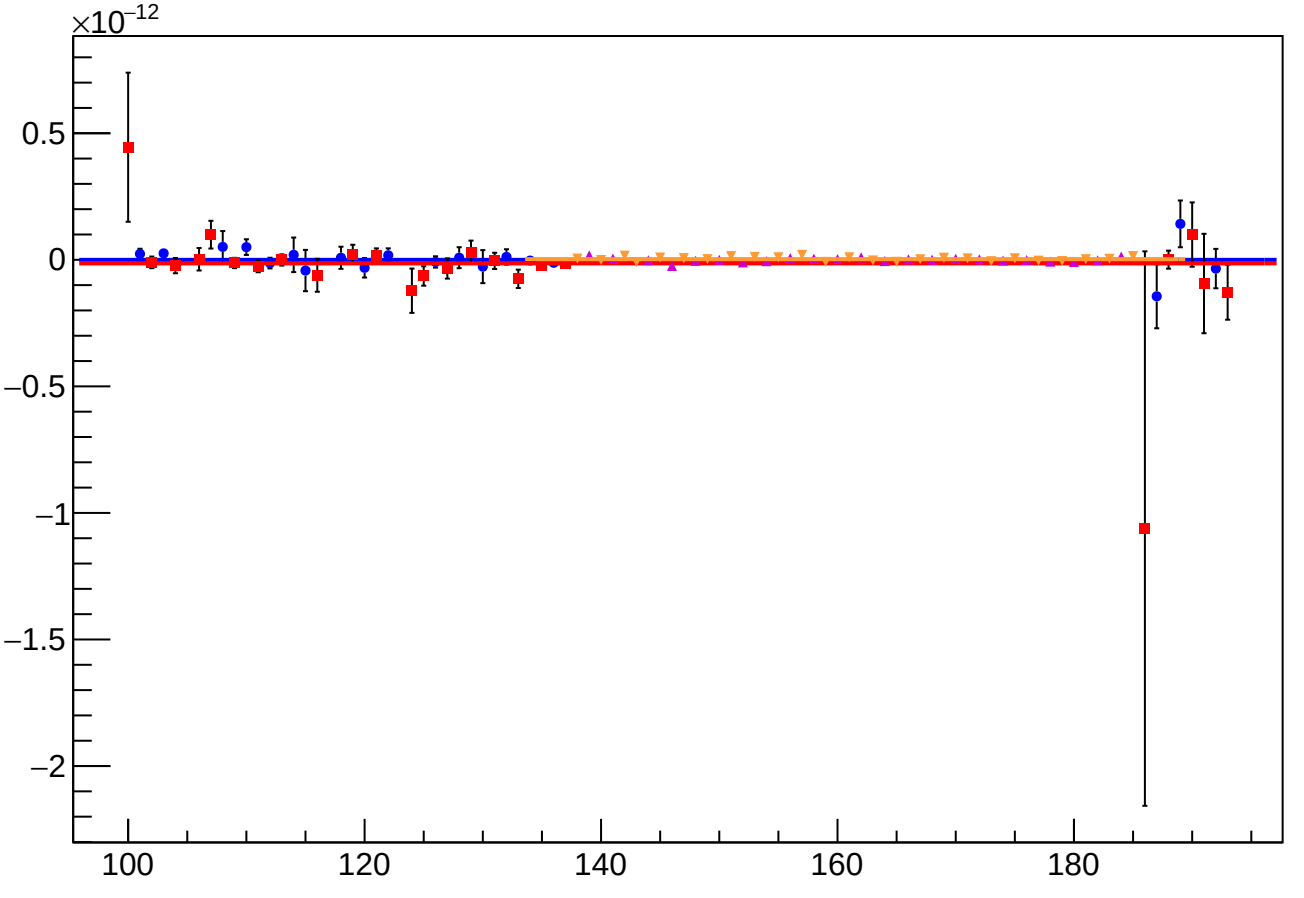
Right Out: 22.478+/-0.006 χ^2/NDF: 2593629.3/23

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.753+/-0.003 χ^2/NDF: 7764966.1/43

All: 20.968+/-0.002 χ^2/NDF: 15044040.9/90

- sign 21.189+/-0.003 χ^2/NDF: 7269468.3/46



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

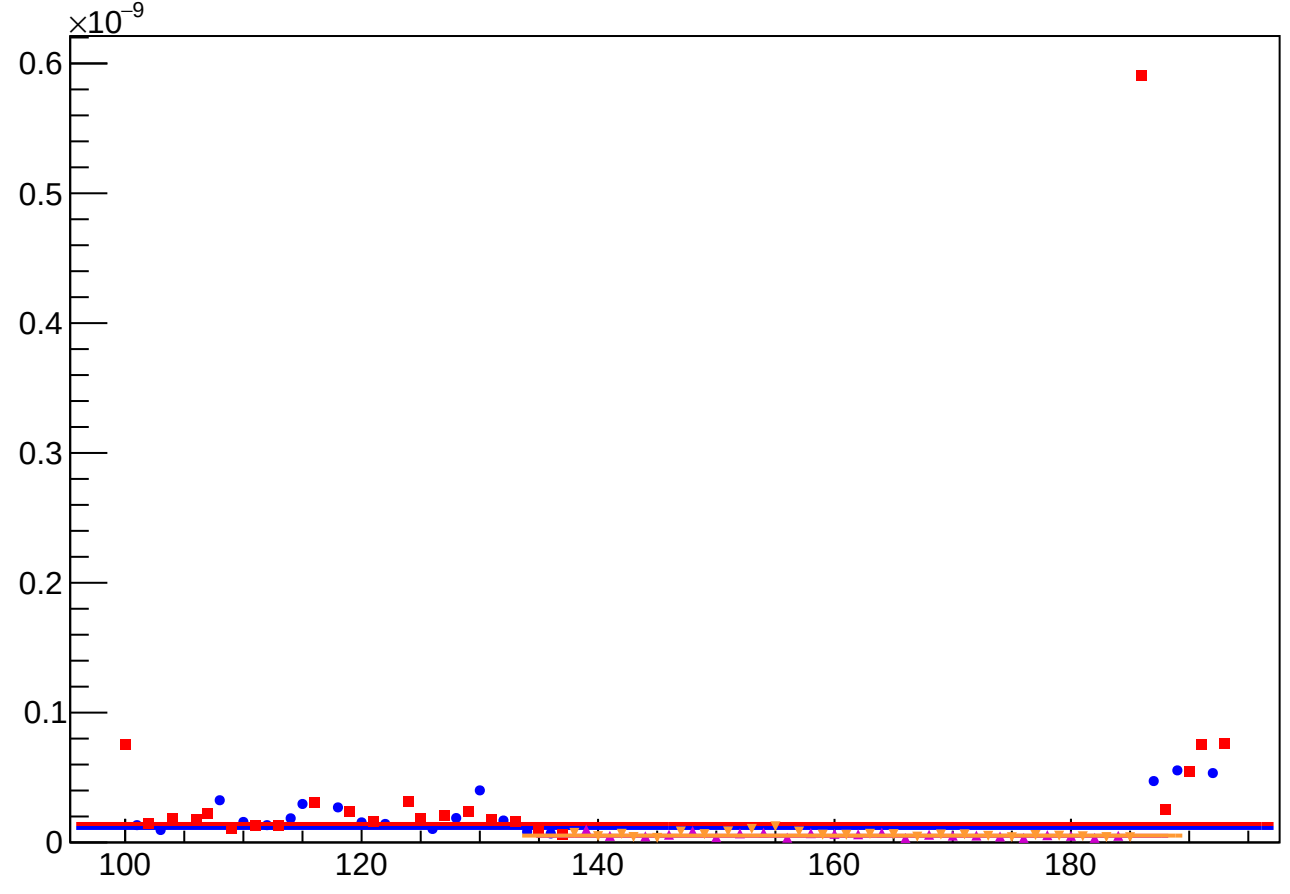
Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/23

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: 85.1/90

- sign -0.000+/-0.000 χ^2/NDF: 46.4/46



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: 3216604.7/23

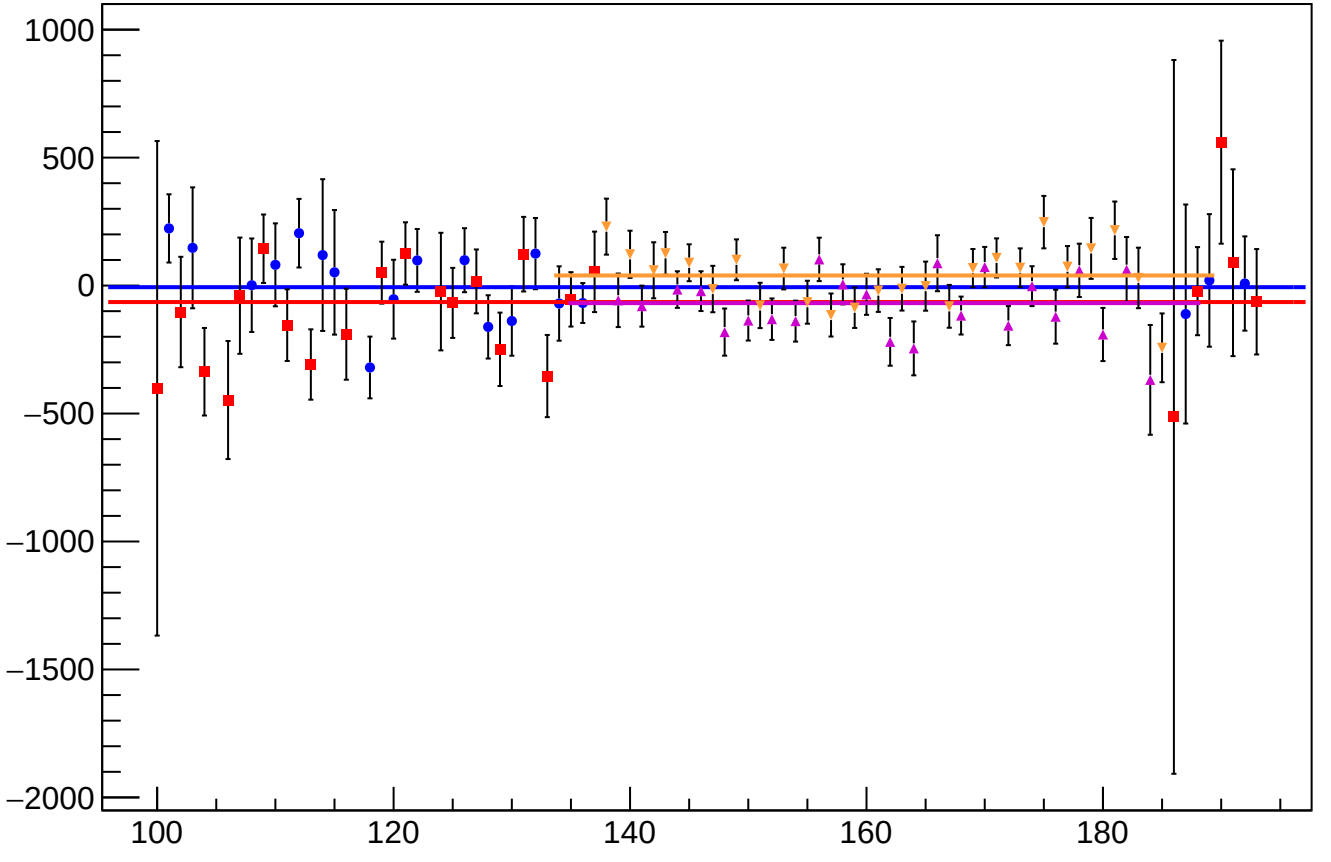
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7206250.7/43

All: 0.000+/-0.000 χ^2/NDF: 15977901.2/90

- sign 0.000+/-0.000 χ^2/NDF: 8766824.5/46

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: -64.389+/-33.454 χ^2/NDF: 25.7/23

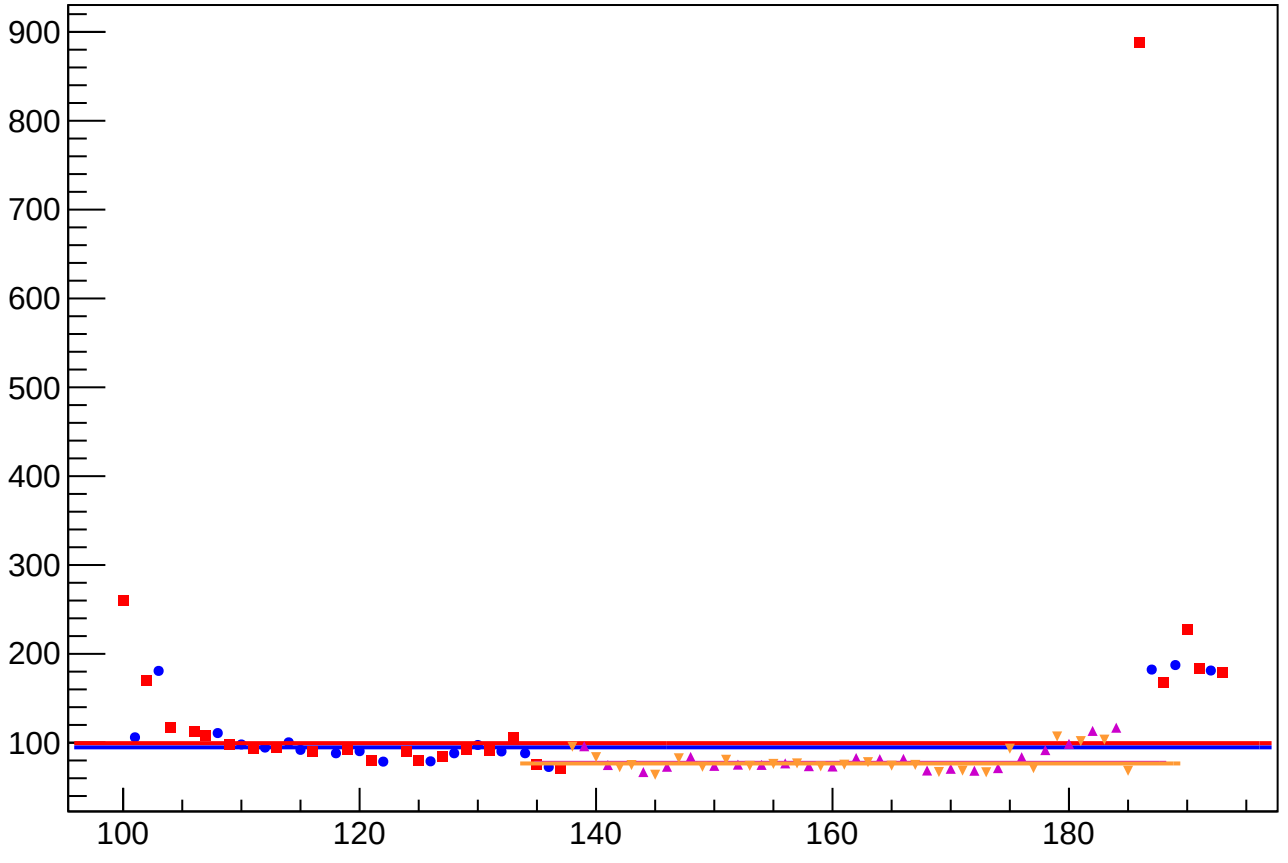
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.440+/-15.608 χ^2/NDF: 52.4/43

All: -17.698+/-11.195 χ^2/NDF: 125.9/90

- sign -67.644+/-16.066 χ^2/NDF: 54.7/46

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

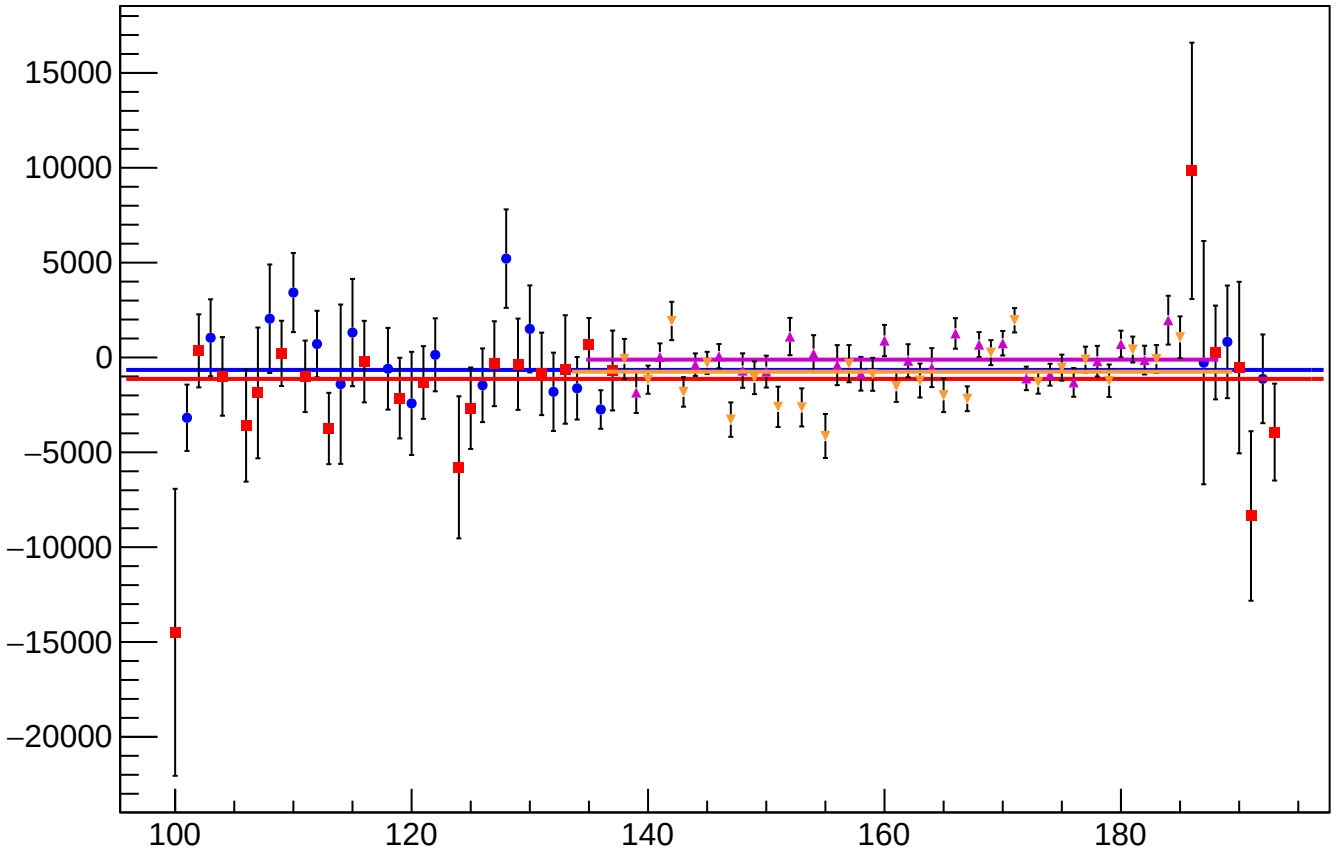
Right Out: 99.513+/-0.024 χ^2/NDF: 2201464.6/23

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 80.626+/-0.011 χ^2/NDF: 2441131.4/43

All: 81.516+/-0.008 χ^2/NDF: 5921856.5/90

- sign 82.460+/-0.011 χ^2/NDF: 3467304.9/46



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: -1131.048+/-471.566 χ^2/NDF: 18.3/23

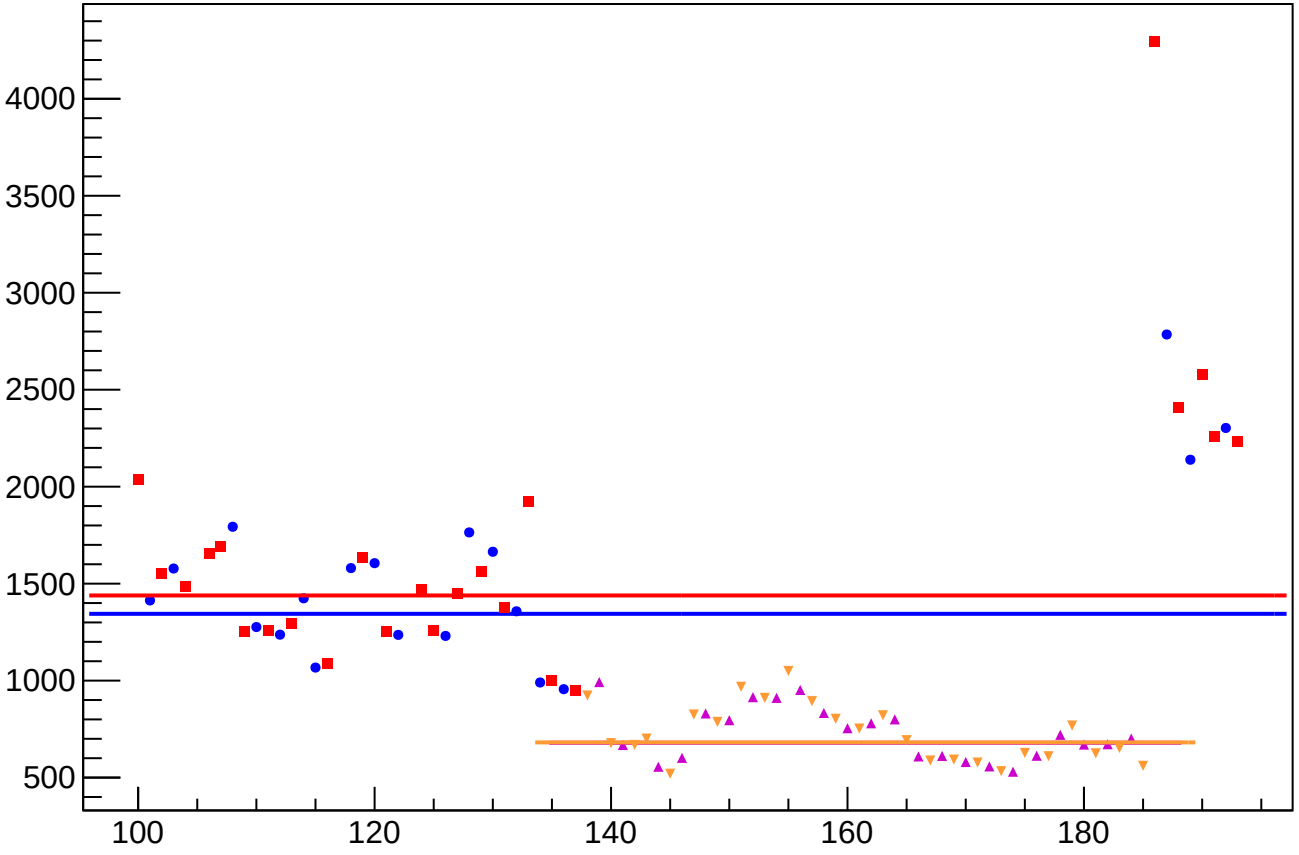
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -740.064+/-149.801 χ^2/NDF: 90.6/43

All: -486.077+/-107.055 χ^2/NDF: 143.9/90

- sign -220.953+/-153.050 χ^2/NDF: 47.5/46

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: 1439.033+/-0.333 χ^2/NDF: 1618477.2/23

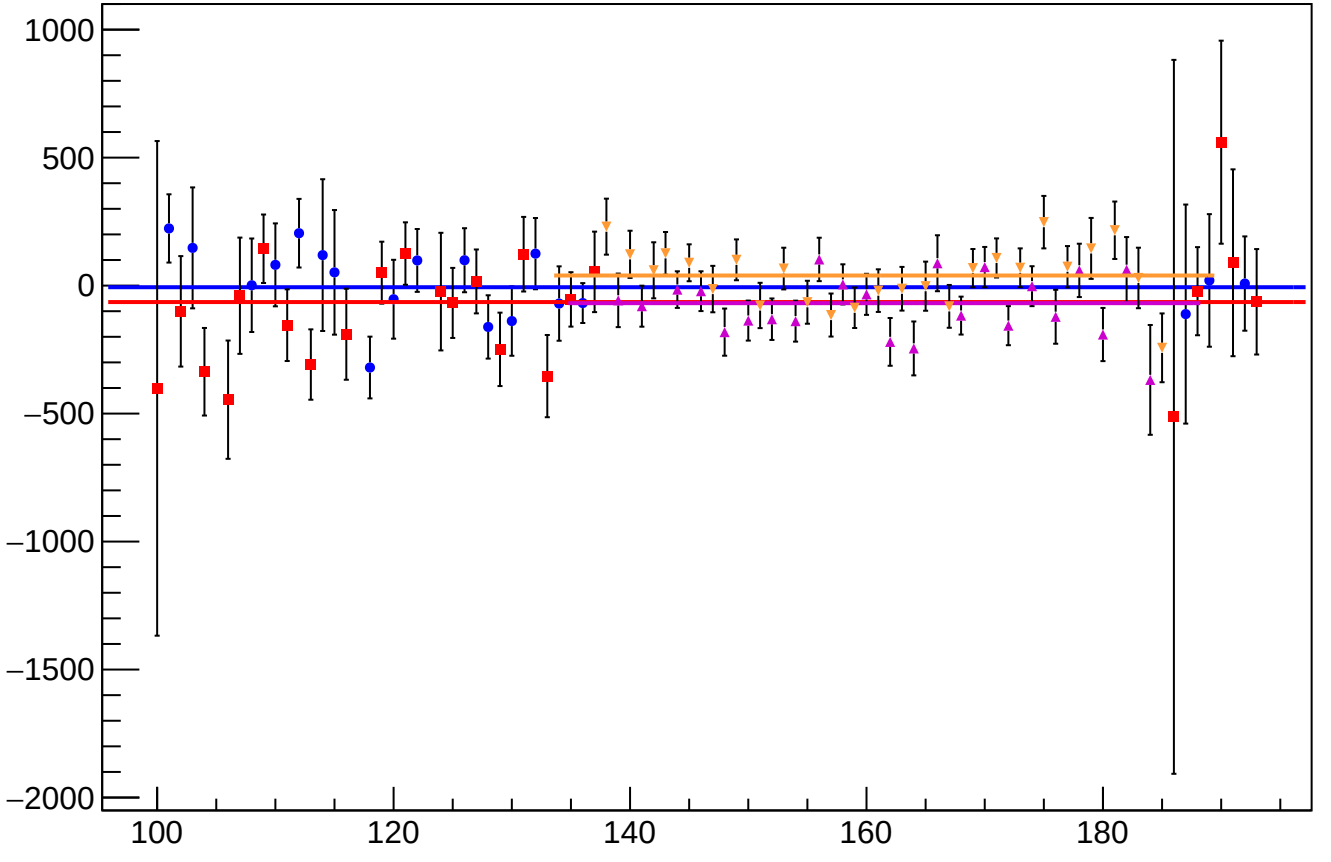
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 749.064+/-0.106 χ^2/NDF: 6143527.0/43

All: 754.135+/-0.076 χ^2/NDF: 13594941.0/90

- sign 759.429+/-0.108 χ^2/NDF: 7446728.6/46

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: -64.256+/-33.456 χ^2/NDF: 25.6/23

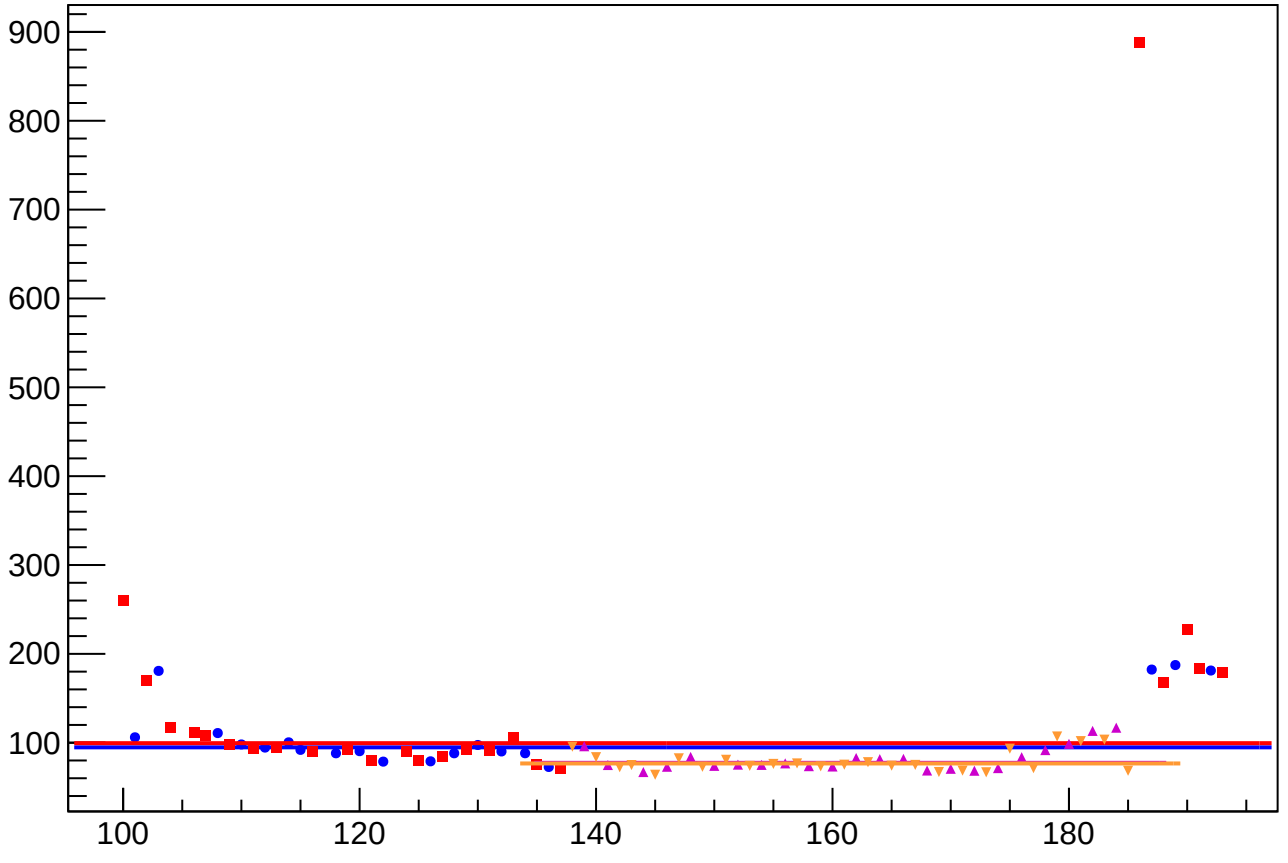
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.444+/-15.608 χ^2/NDF: 52.4/43

All: -17.681+/-11.195 χ^2/NDF: 125.8/90

- sign -67.613+/-16.067 χ^2/NDF: 54.6/46

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

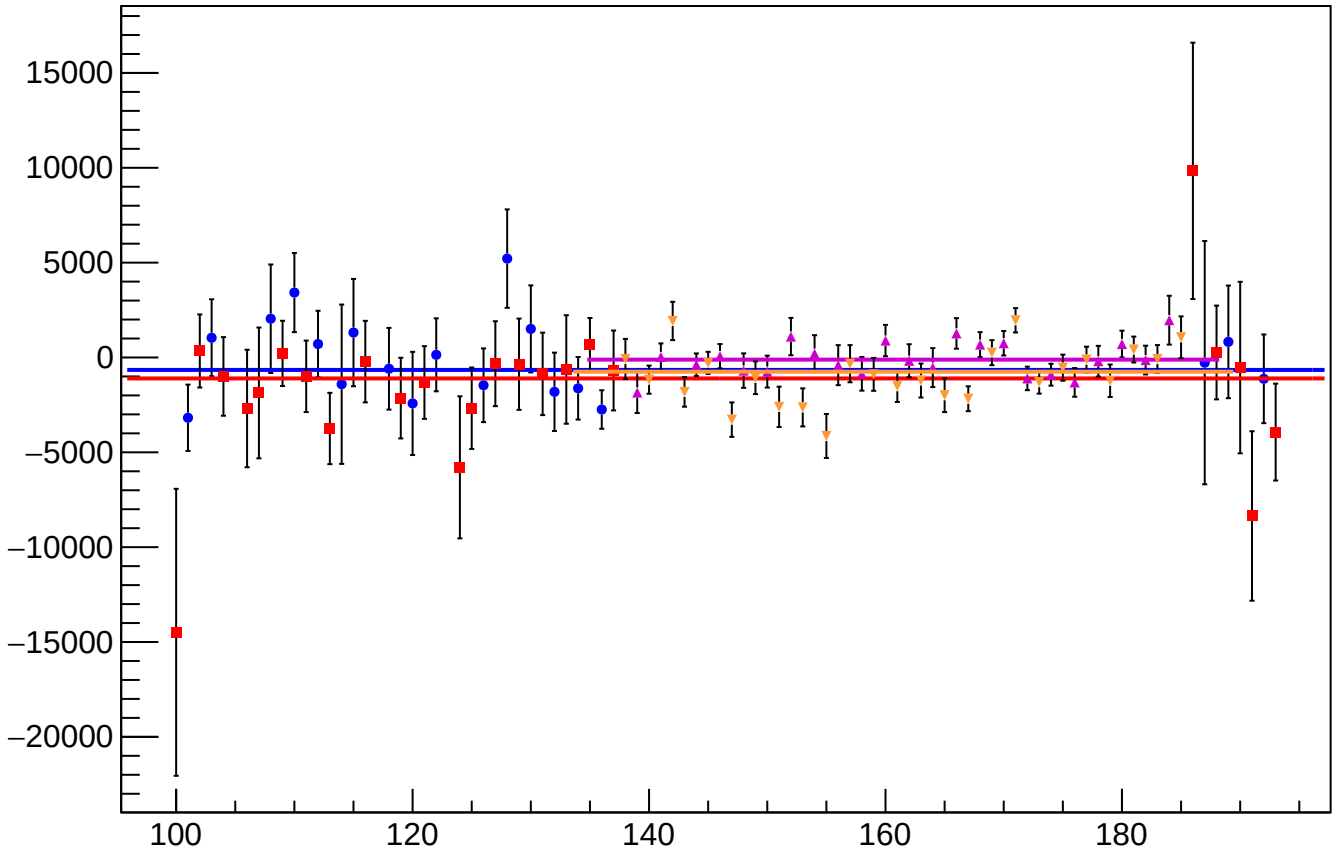
Right Out: 99.484+/-0.024 χ^2/NDF: 2200457.6/23

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 80.626+/-0.011 χ^2/NDF: 2441134.9/43

All: 81.513+/-0.008 χ^2/NDF: 5918962.9/90

- sign 82.453+/-0.011 χ^2/NDF: 3464509.7/46



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: -1104.722+/-472.138 χ^2/NDF: 17.8/23

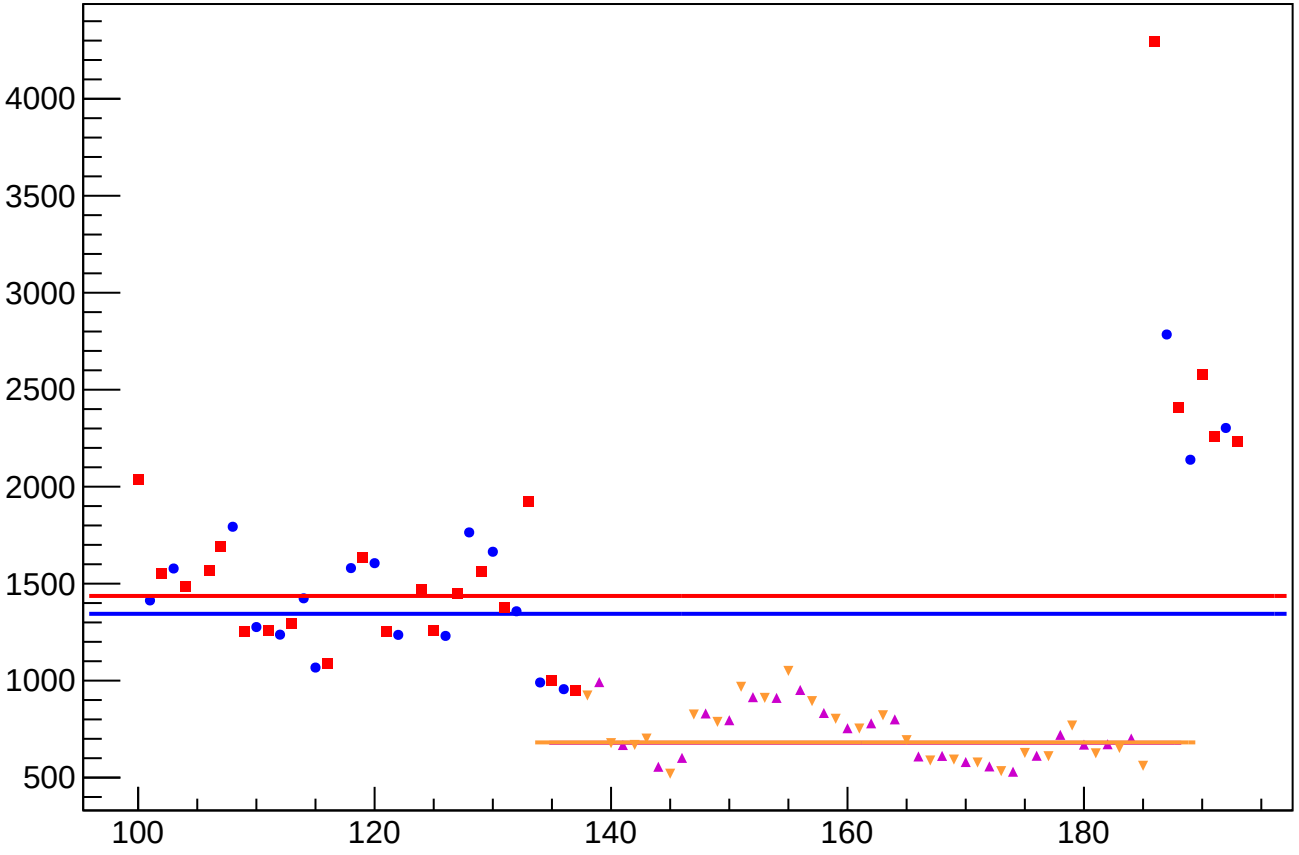
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -740.053+/-149.801 χ^2/NDF: 90.6/43

All: -484.637+/-107.062 χ^2/NDF: 143.3/90

- sign -217.954+/-153.069 χ^2/NDF: 46.8/46

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: 1436.568+/-0.334 χ^2/NDF: 1611321.6/23

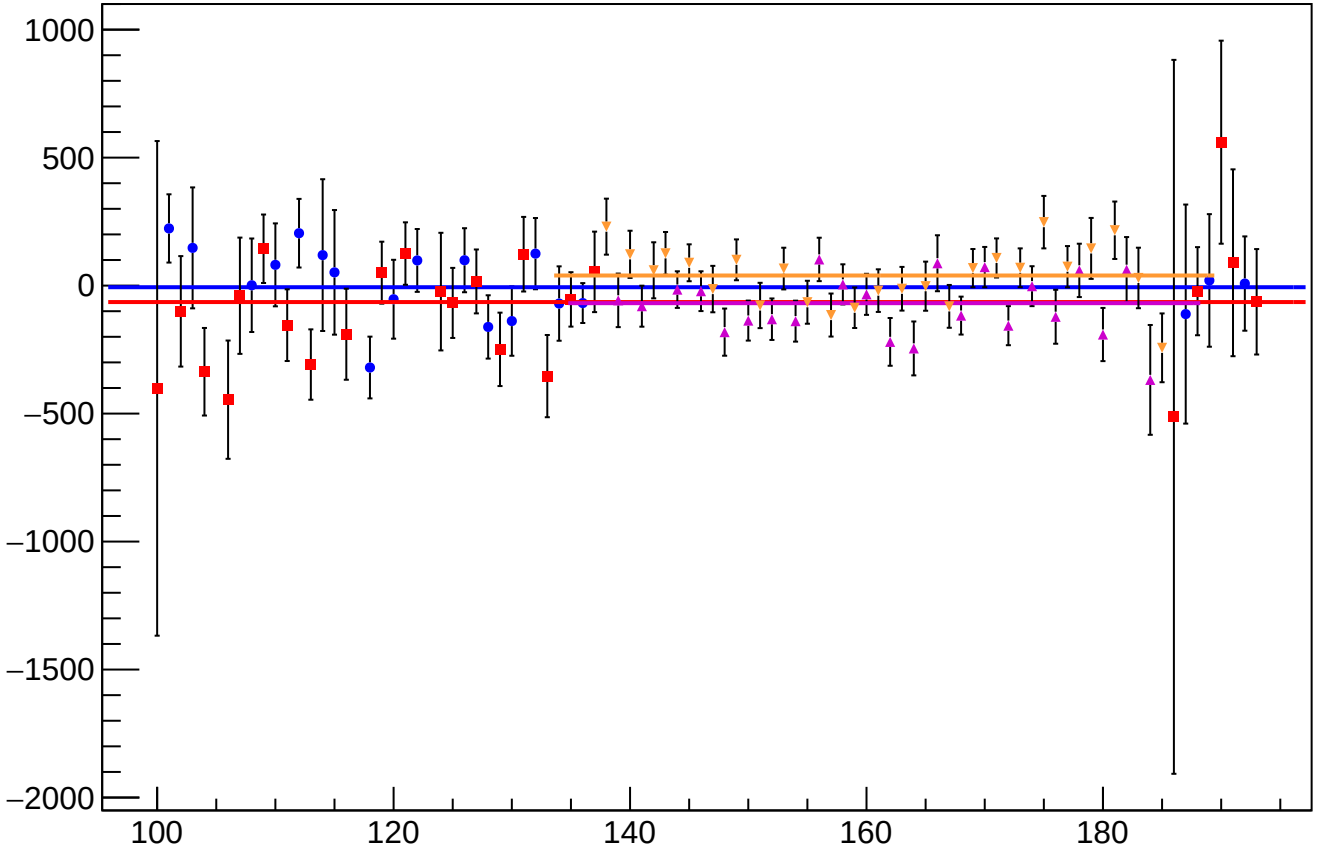
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

\+ sign 749.063+/-0.106 χ^2/NDF: 6143570.2/43

All: 753.923+/-0.076 χ^2/NDF: 13547361.7/90

\- sign 758.997+/-0.108 χ^2/NDF: 7399489.0/46

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: -64.256+/-33.456 χ^2/NDF: 25.6/23

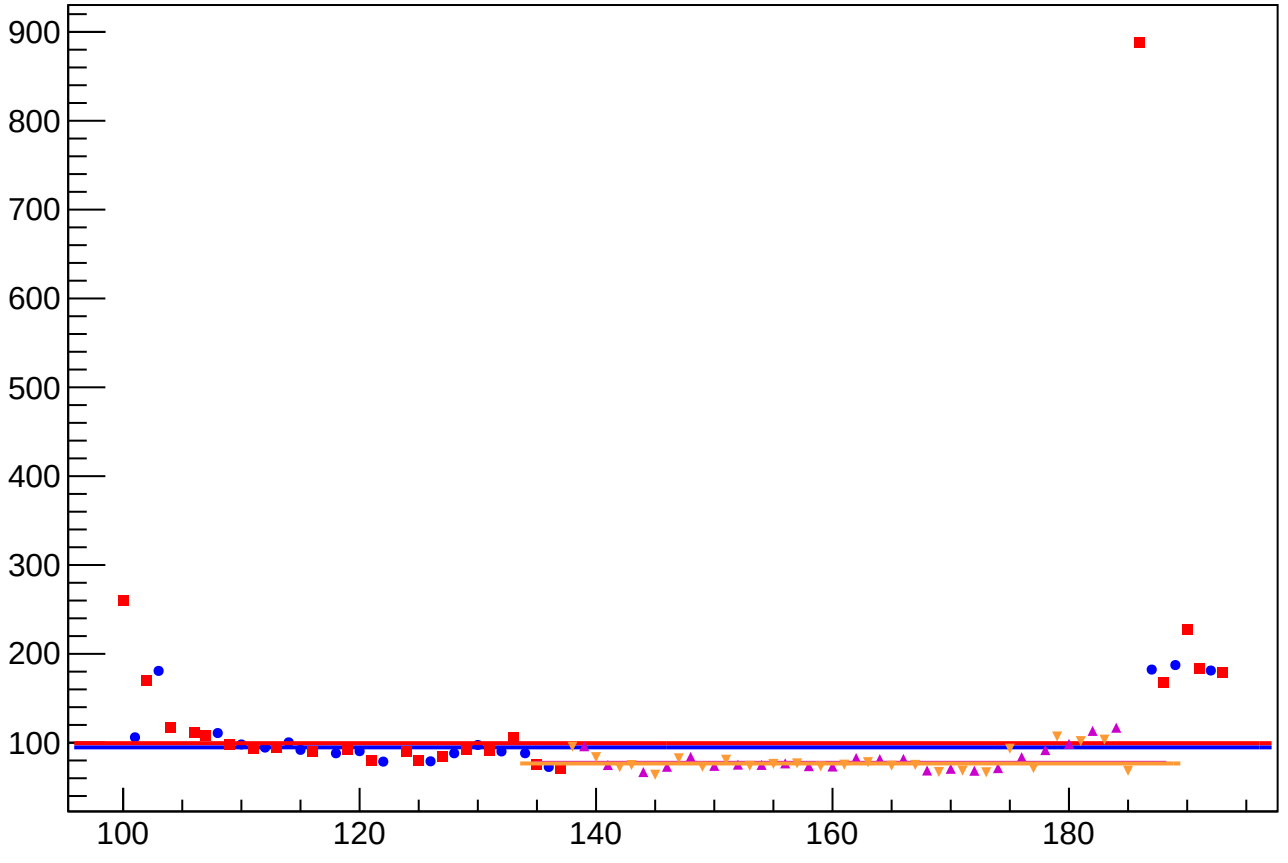
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.444+/-15.608 χ^2/NDF: 52.4/43

All: -17.681+/-11.195 χ^2/NDF: 125.8/90

- sign -67.613+/-16.067 χ^2/NDF: 54.6/46

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

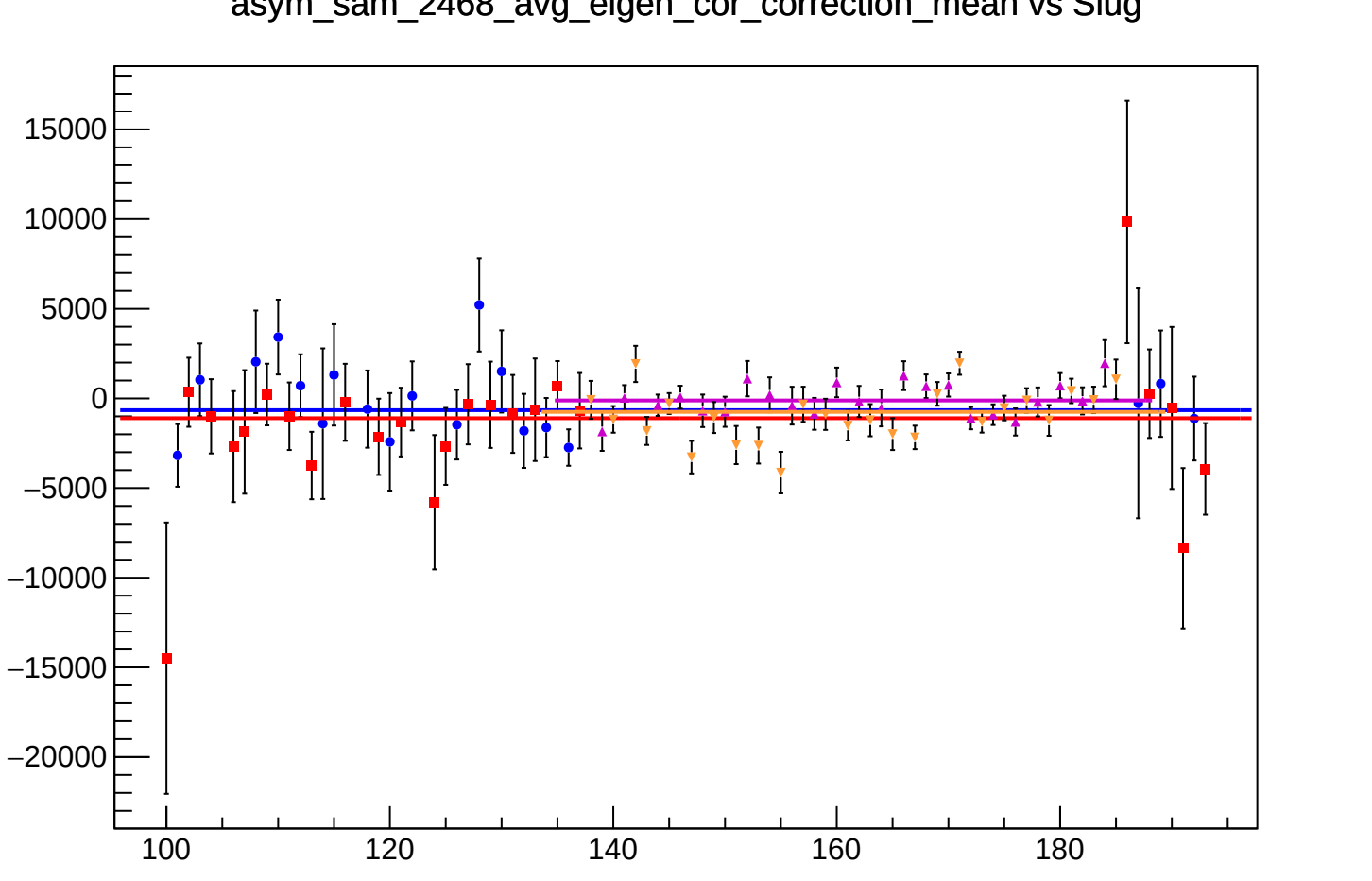
Right Out: 99.484+/-0.024 χ^2/NDF: 2200457.6/23

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 80.626+/-0.011 χ^2/NDF: 2441134.9/43

All: 81.513+/-0.008 χ^2/NDF: 5918962.9/90

- sign 82.453+/-0.011 χ^2/NDF: 3464509.7/46



Right In: -655.732+/-469.009 χ^2/NDF: 20.6/18

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

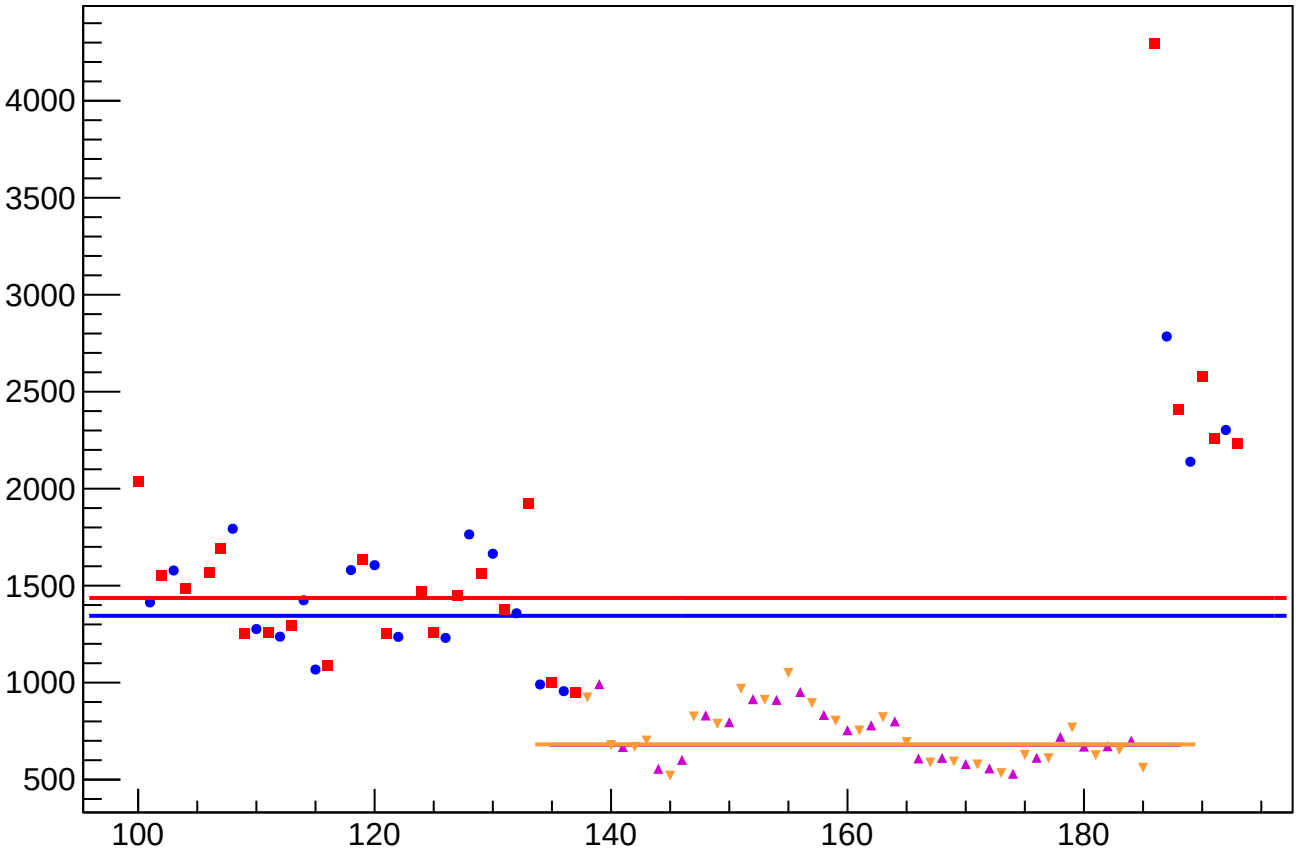
Right Out: -1104.722+/-472.138 χ^2/NDF: 17.8/23

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -740.053+/-149.801 χ^2/NDF: 90.6/43

All: -484.637+/-107.062 χ^2/NDF: 143.3/90

- sign -217.954+/-153.069 χ^2/NDF: 46.8/46



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: 1436.568+/-0.334 χ^2/NDF: 1611321.6/23

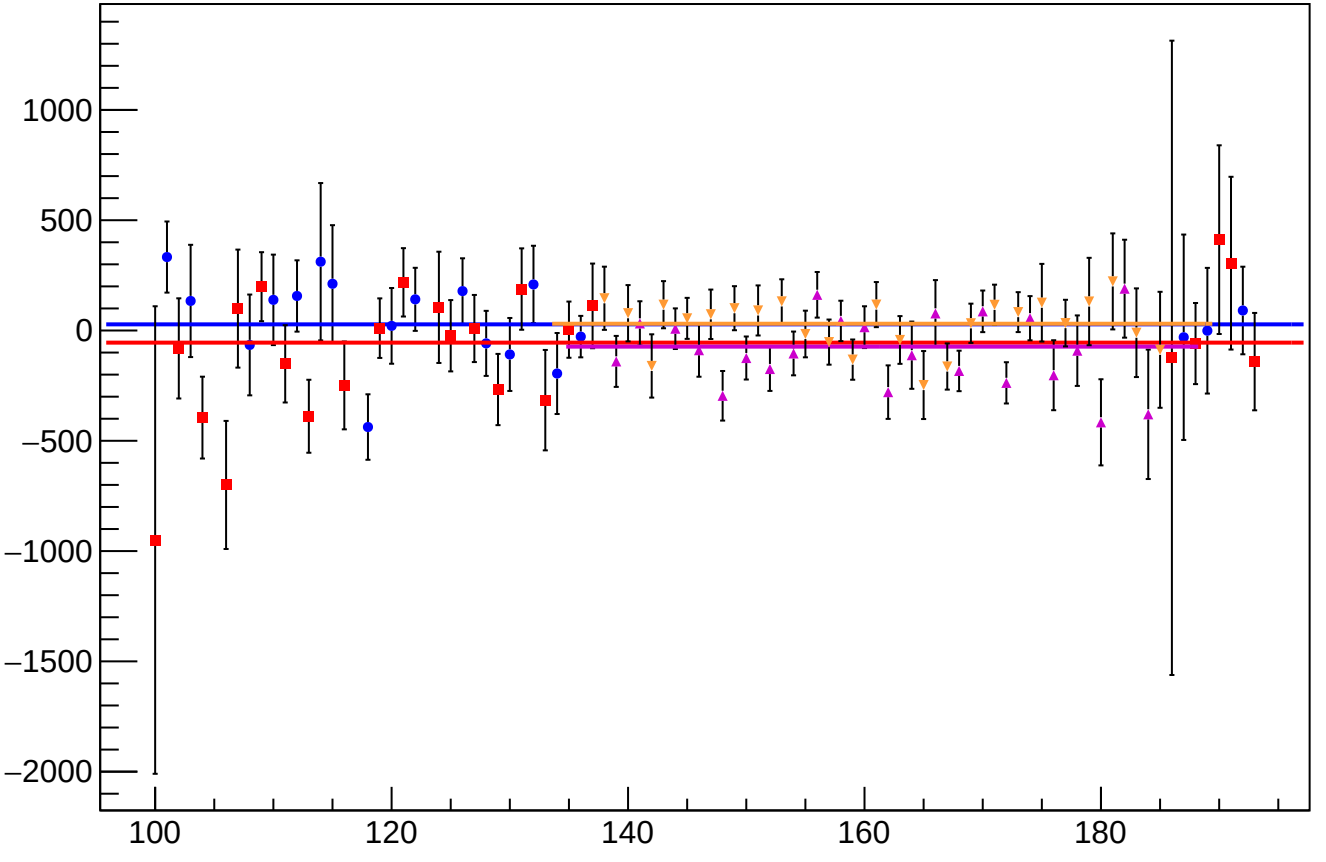
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 749.063+/-0.106 χ^2/NDF: 6143570.2/43

All: 753.923+/-0.076 χ^2/NDF: 13547361.7/90

- sign 758.997+/-0.108 χ^2/NDF: 7399489.0/46

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: -54.986+/-39.454 χ^2/NDF: 29.2/23

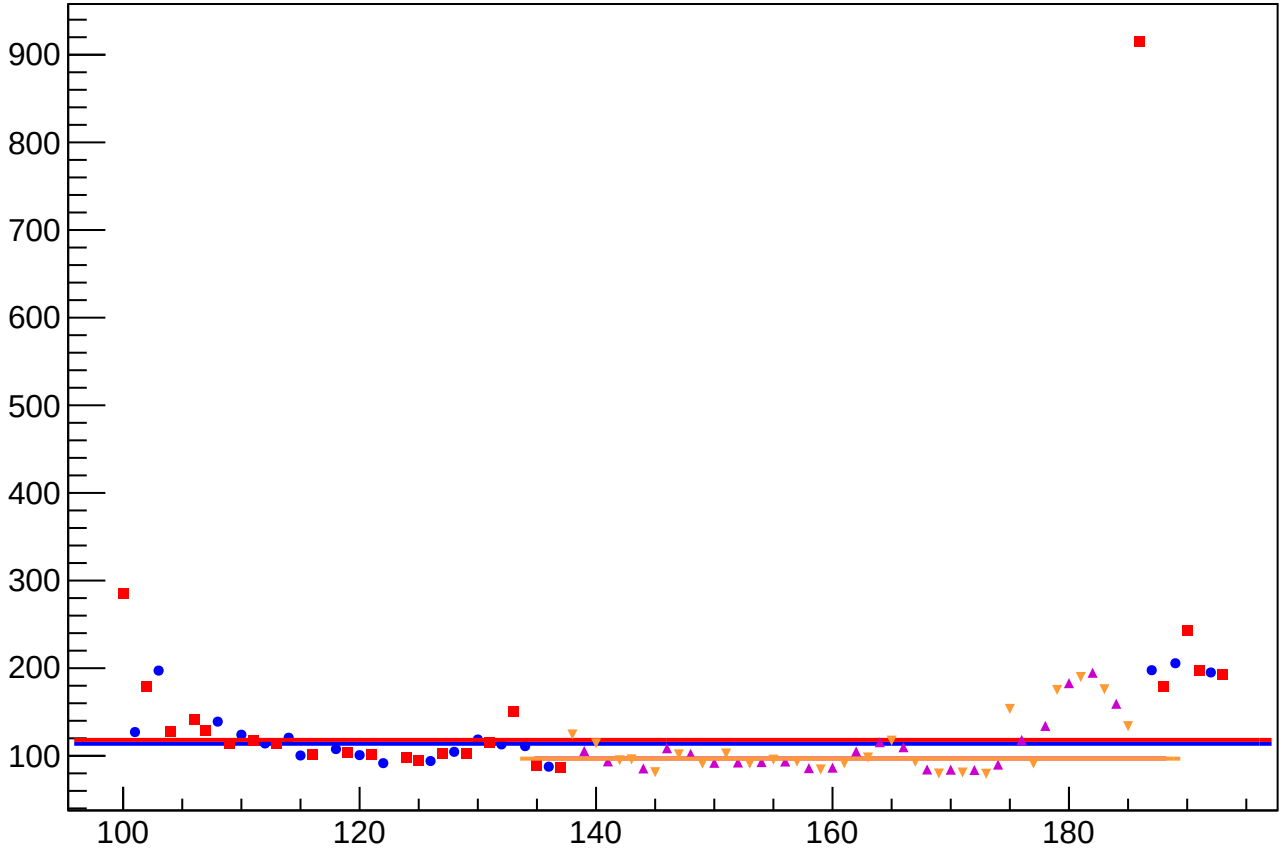
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 29.993+/-19.822 χ^2/NDF: 41.4/43

All: -18.277+/-14.147 χ^2/NDF: 117.4/90

- sign -68.388+/-20.196 χ^2/NDF: 63.9/46

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

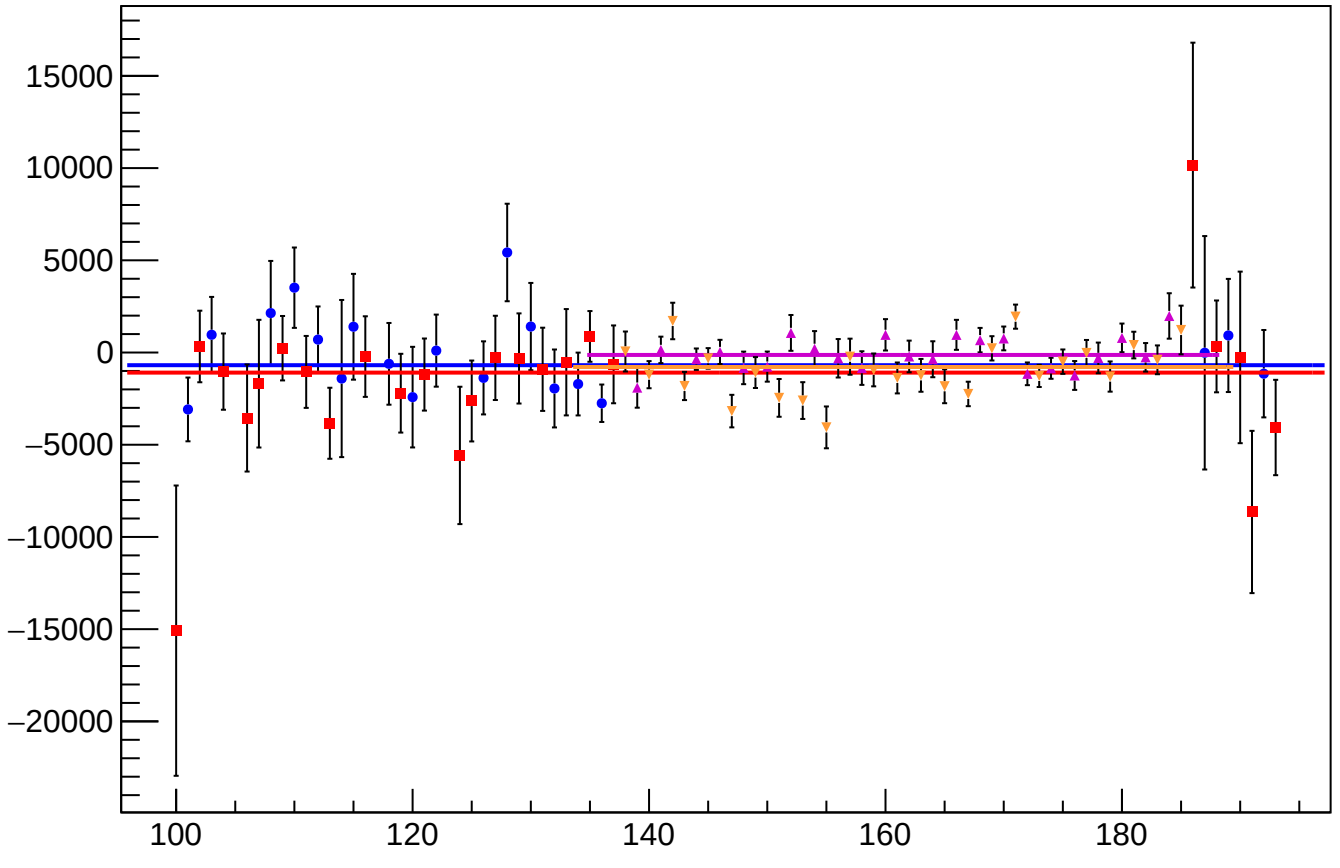
Right Out: 118.211+/-0.028 χ^2/NDF: 1888228.7/23

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 101.002+/-0.014 χ^2/NDF: 3129587.9/43

All: 101.771+/-0.010 χ^2/NDF: 6771052.5/90

- sign 102.570+/-0.014 χ^2/NDF: 3635319.2/46



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: -1089.287+/-476.211 χ^2/NDF: 19.3/23

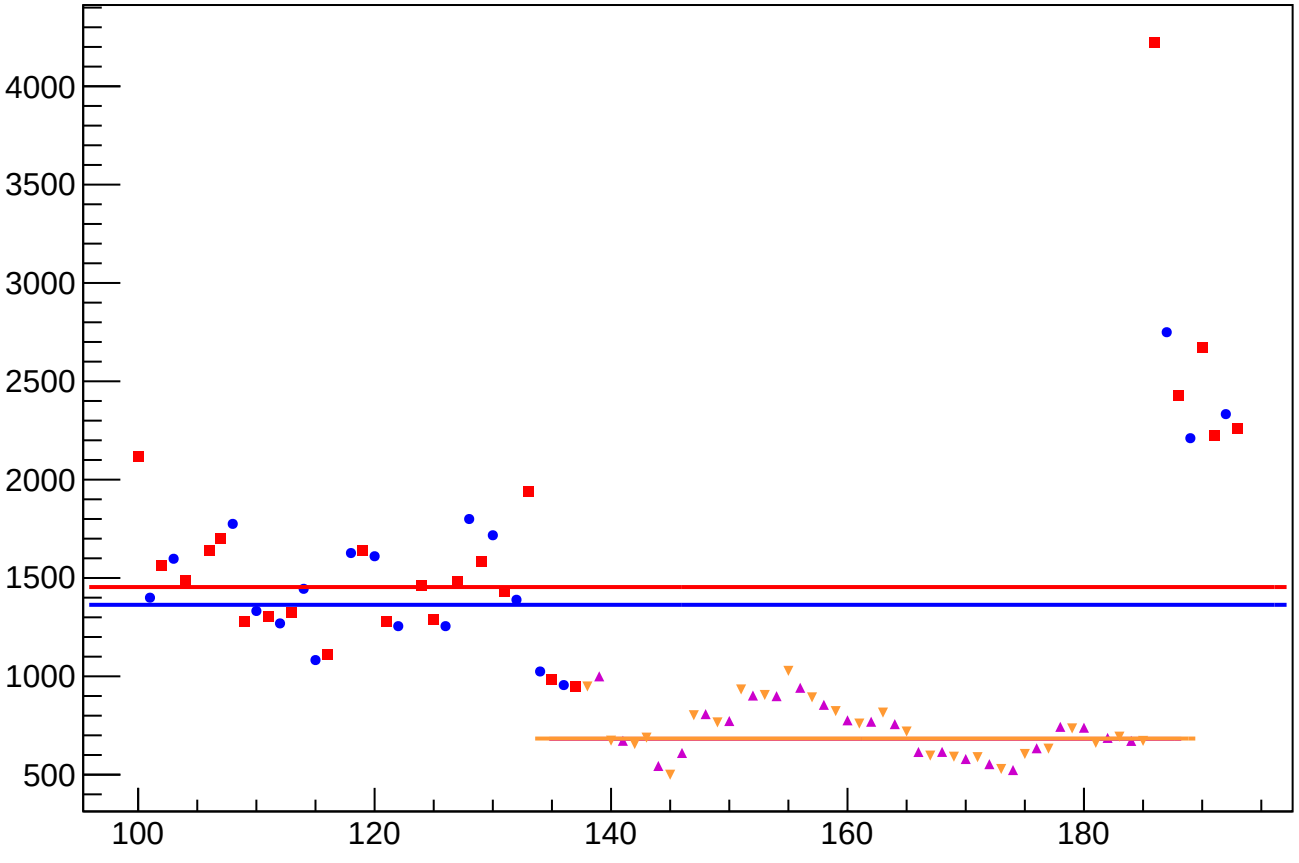
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

\+ sign -774.114+/-150.226 χ^2/NDF: 86.8/43

All: -508.884+/-107.438 χ^2/NDF: 140.4/90

\- sign -231.187+/-153.716 χ^2/NDF: 47.2/46

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: 1453.914+/-0.337 χ^2/NDF: 1633832.9/23

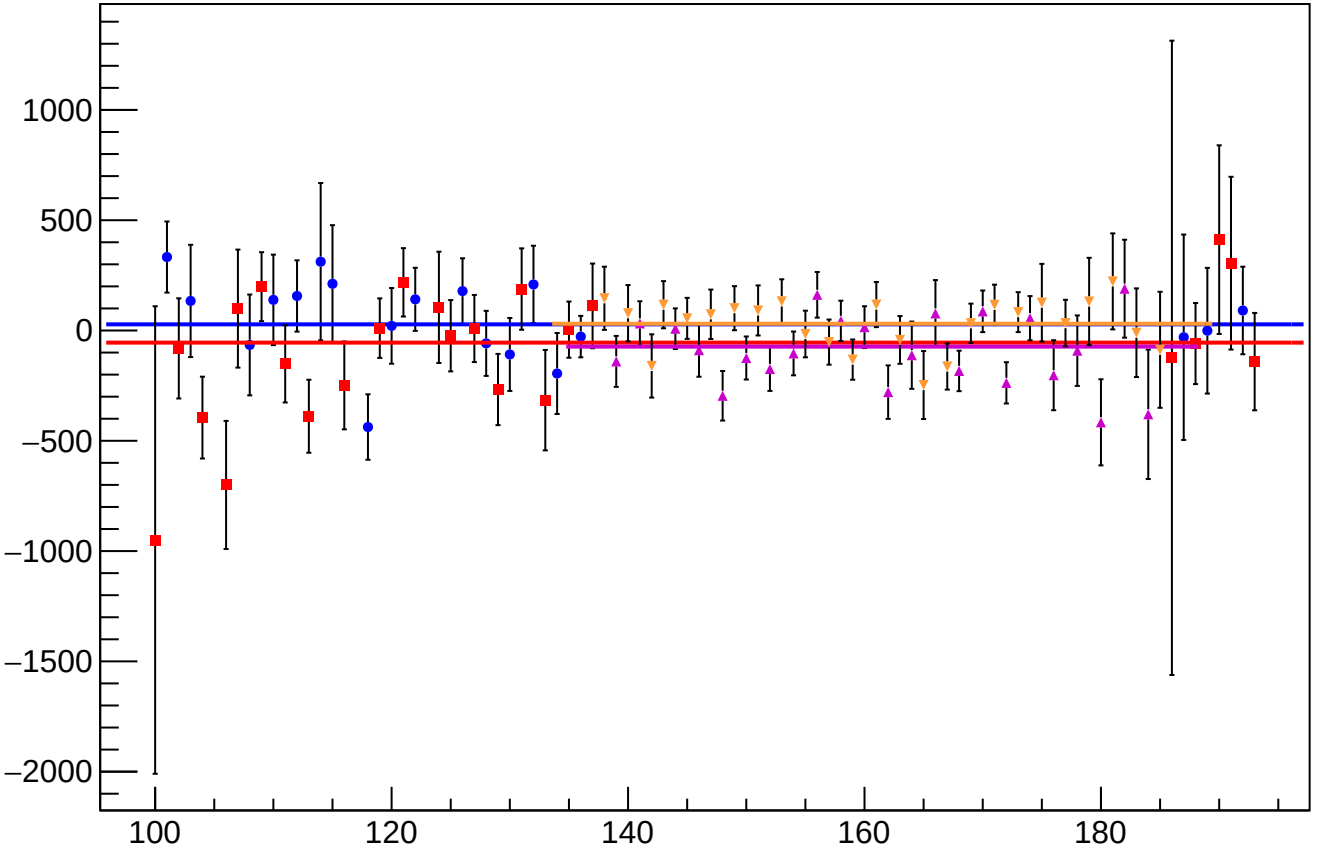
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 751.508+/-0.106 χ^2/NDF: 6213575.4/43

All: 756.826+/-0.076 χ^2/NDF: 13746564.7/90

- sign 762.393+/-0.109 χ^2/NDF: 7527859.8/46

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: -54.984+/-39.454 χ^2/NDF: 29.2/23

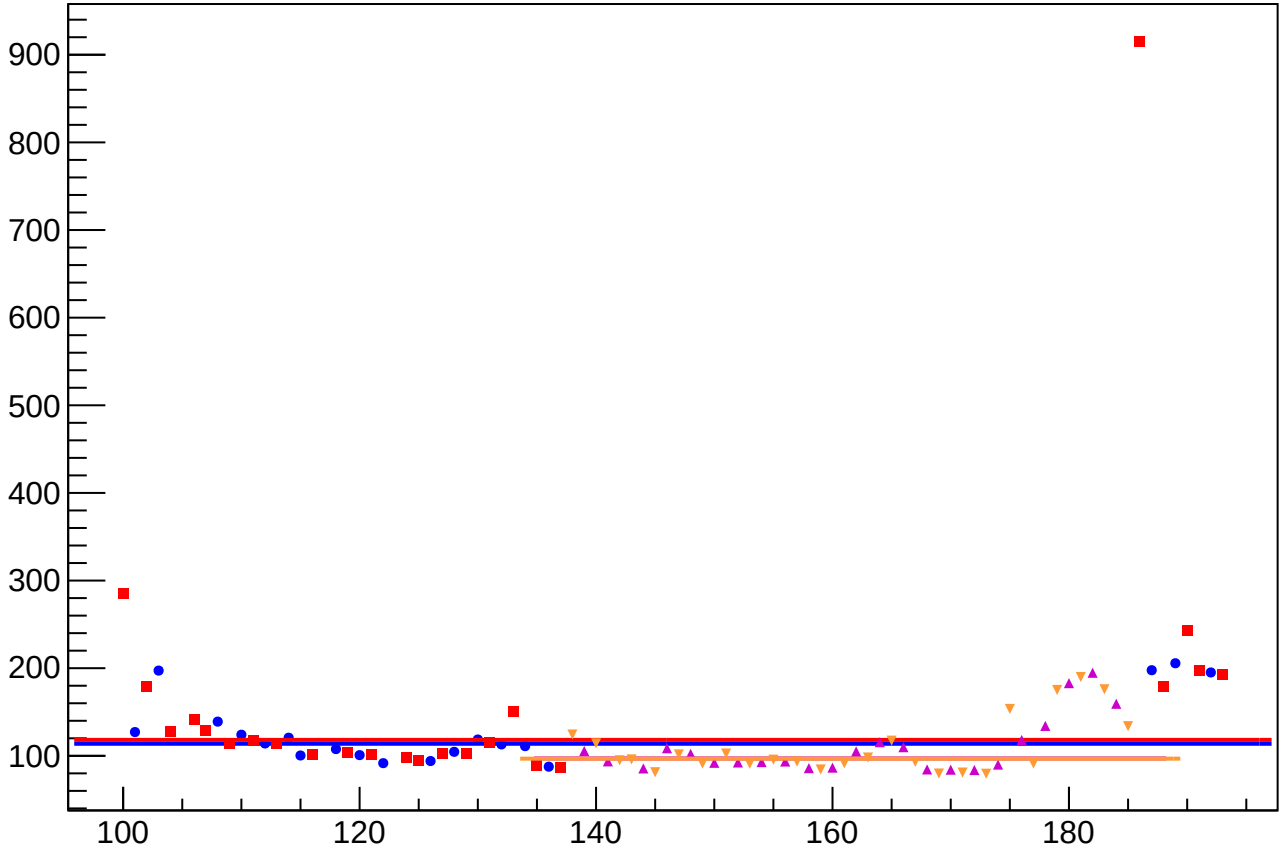
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 29.994+/-19.822 χ^2/NDF: 41.4/43

All: -18.276+/-14.147 χ^2/NDF: 117.4/90

- sign -68.387+/-20.196 χ^2/NDF: 63.9/46

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

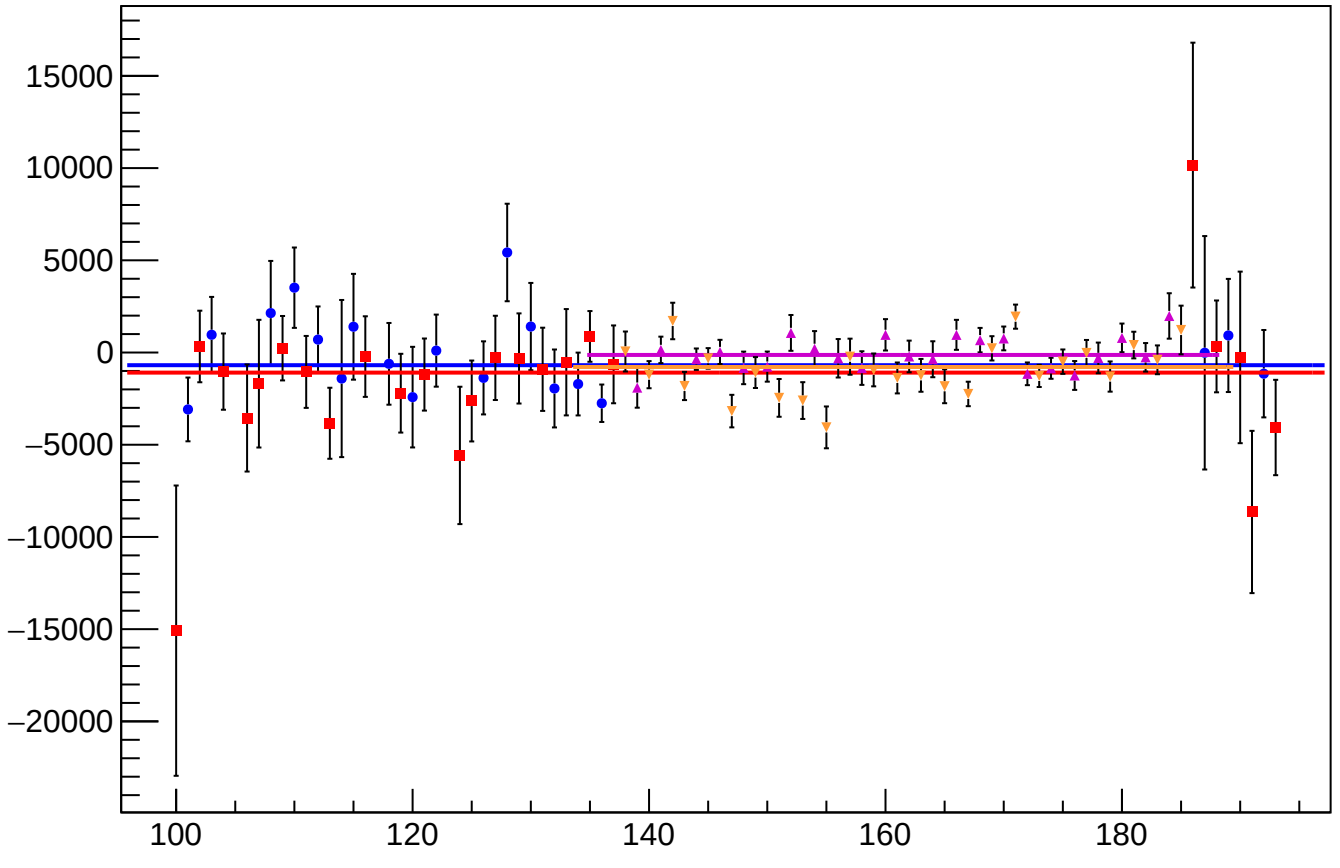
Right Out: 118.210+/-0.028 χ^2/NDF: 1888234.8/23

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 101.002+/-0.014 χ^2/NDF: 3129550.0/43

All: 101.771+/-0.010 χ^2/NDF: 6770968.2/90

- sign 102.570+/-0.014 χ^2/NDF: 3635272.6/46



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: -1089.286+/-476.210 χ^2/NDF: 19.3/23

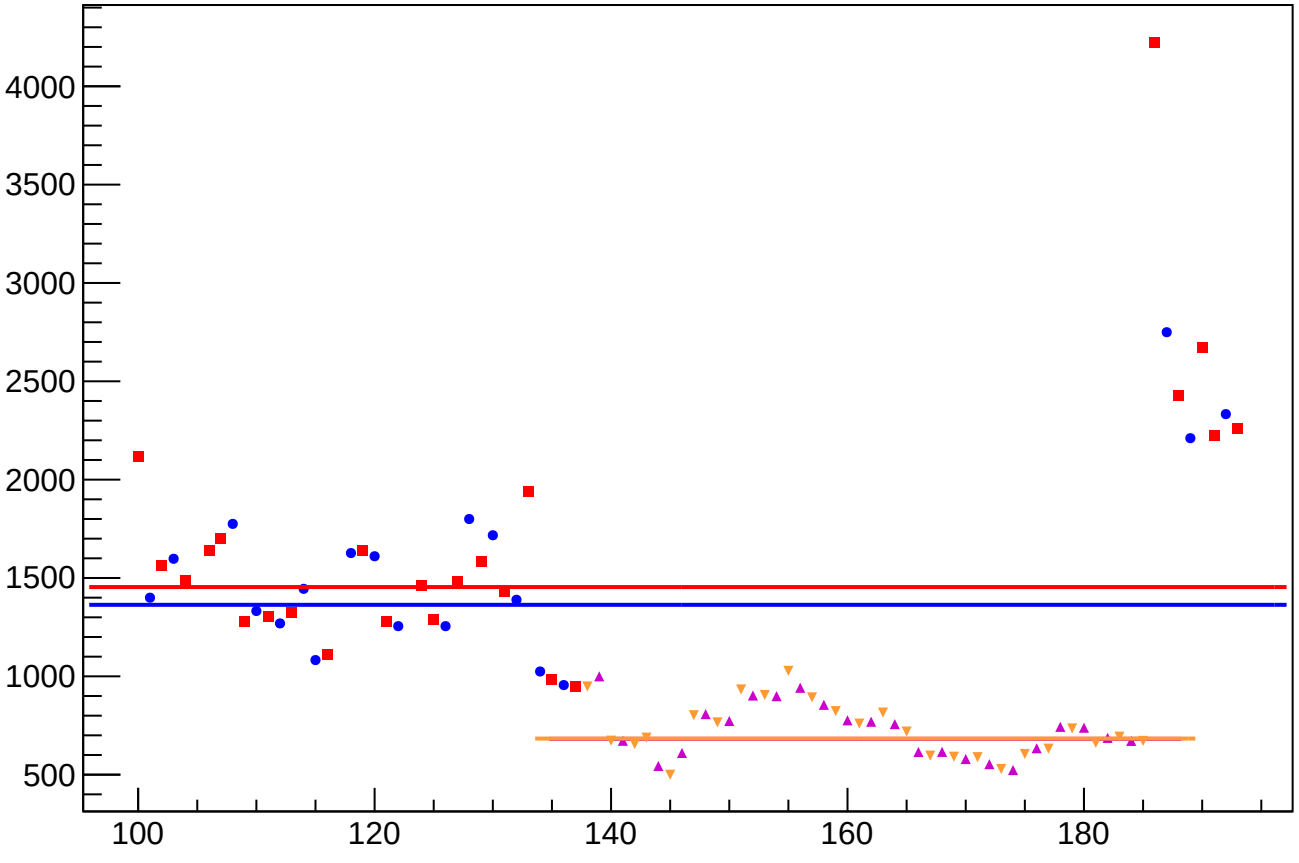
Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

\+ sign -774.111+/-150.225 χ^2/NDF: 86.8/43

All: -508.883+/-107.438 χ^2/NDF: 140.4/90

\- sign -231.186+/-153.715 χ^2/NDF: 47.2/46

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug



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: 1453.910+/-0.337 χ^2/NDF: 1633833.6/23

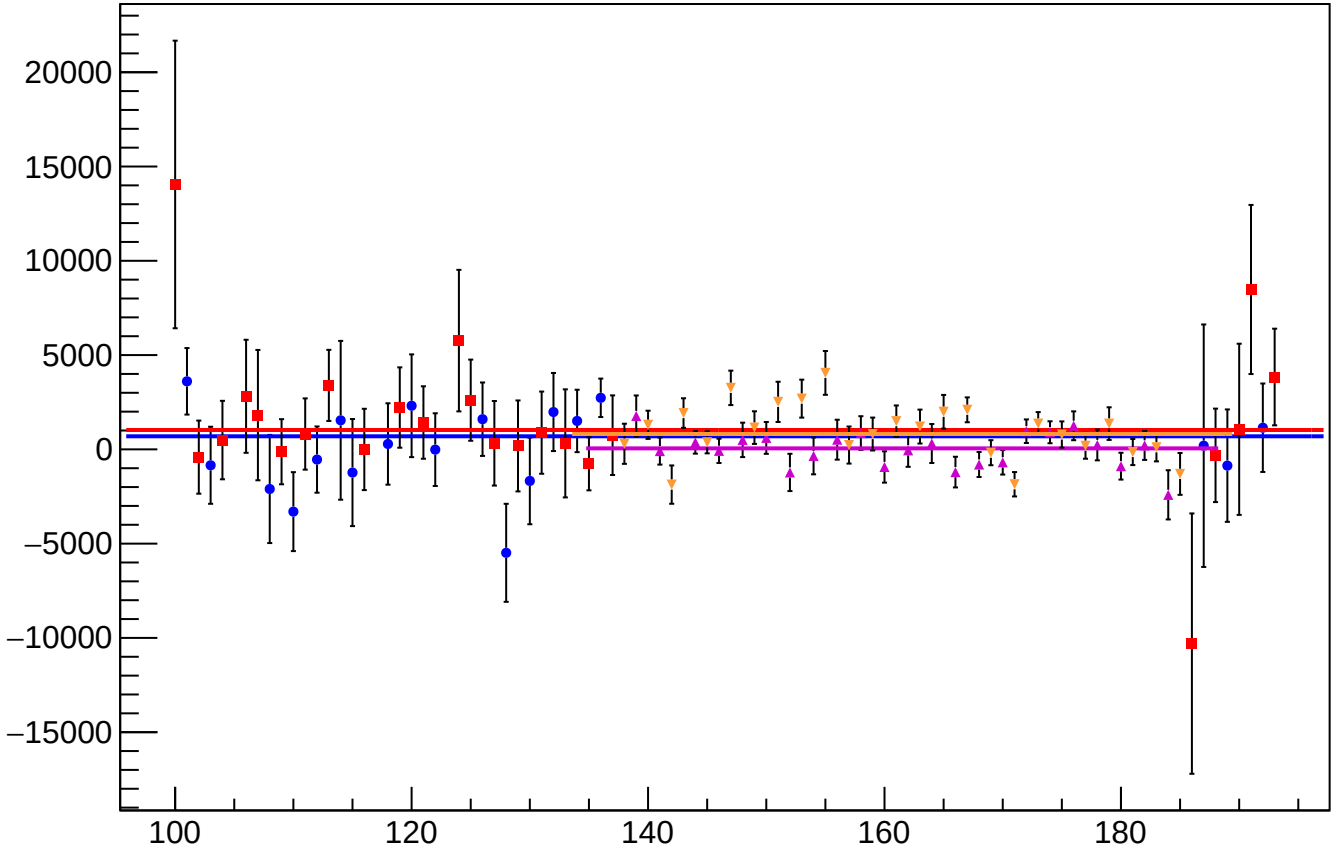
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 751.507+/-0.106 χ^2/NDF: 6213580.9/43

All: 756.824+/-0.076 χ^2/NDF: 13746571.2/90

- sign 762.392+/-0.109 χ^2/NDF: 7527860.8/46

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: 1027.425+/-473.215 χ^2/NDF: 17.6/23

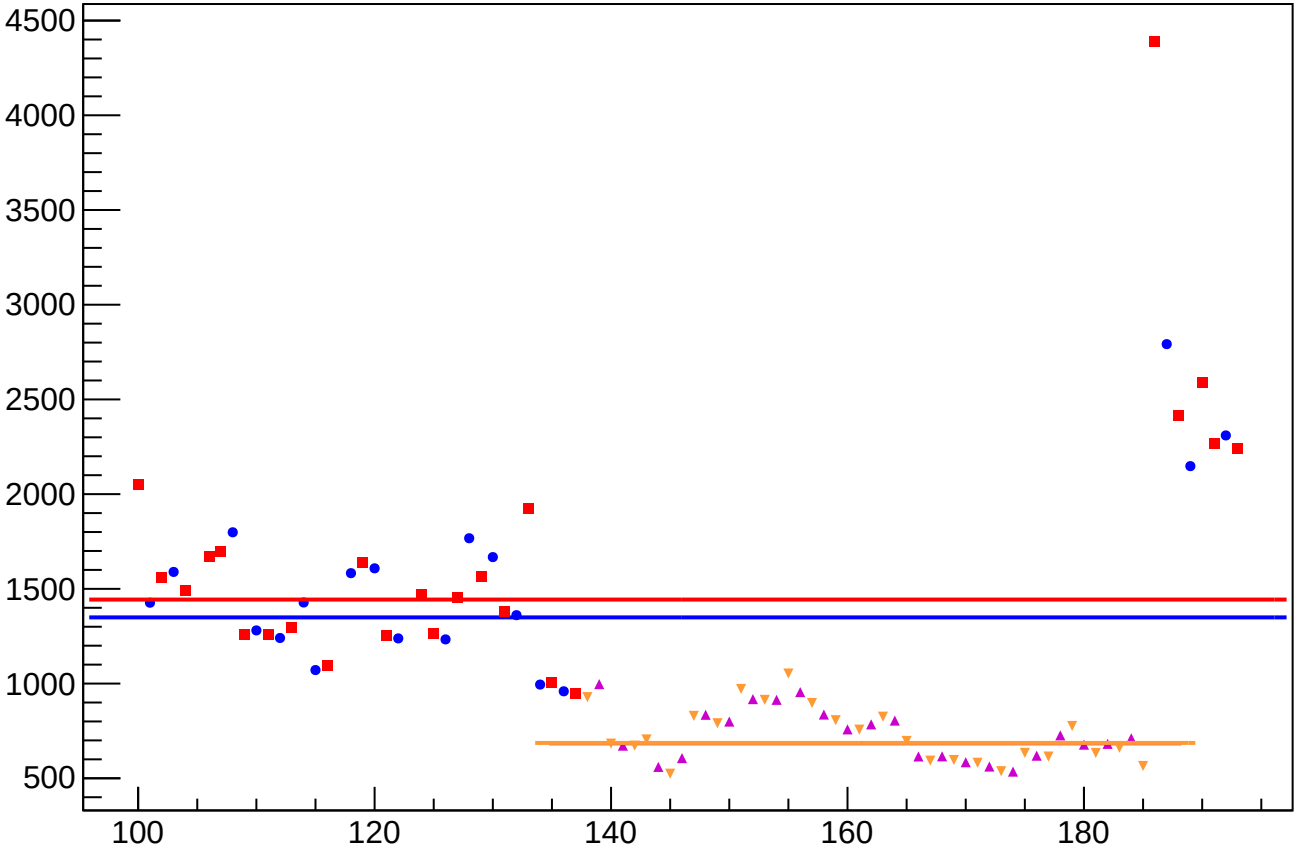
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 801.597+/-150.855 χ^2/NDF: 87.1/43

All: 485.639+/-107.815 χ^2/NDF: 142.8/90

- sign 155.756+/-154.144 χ^2/NDF: 46.7/46

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

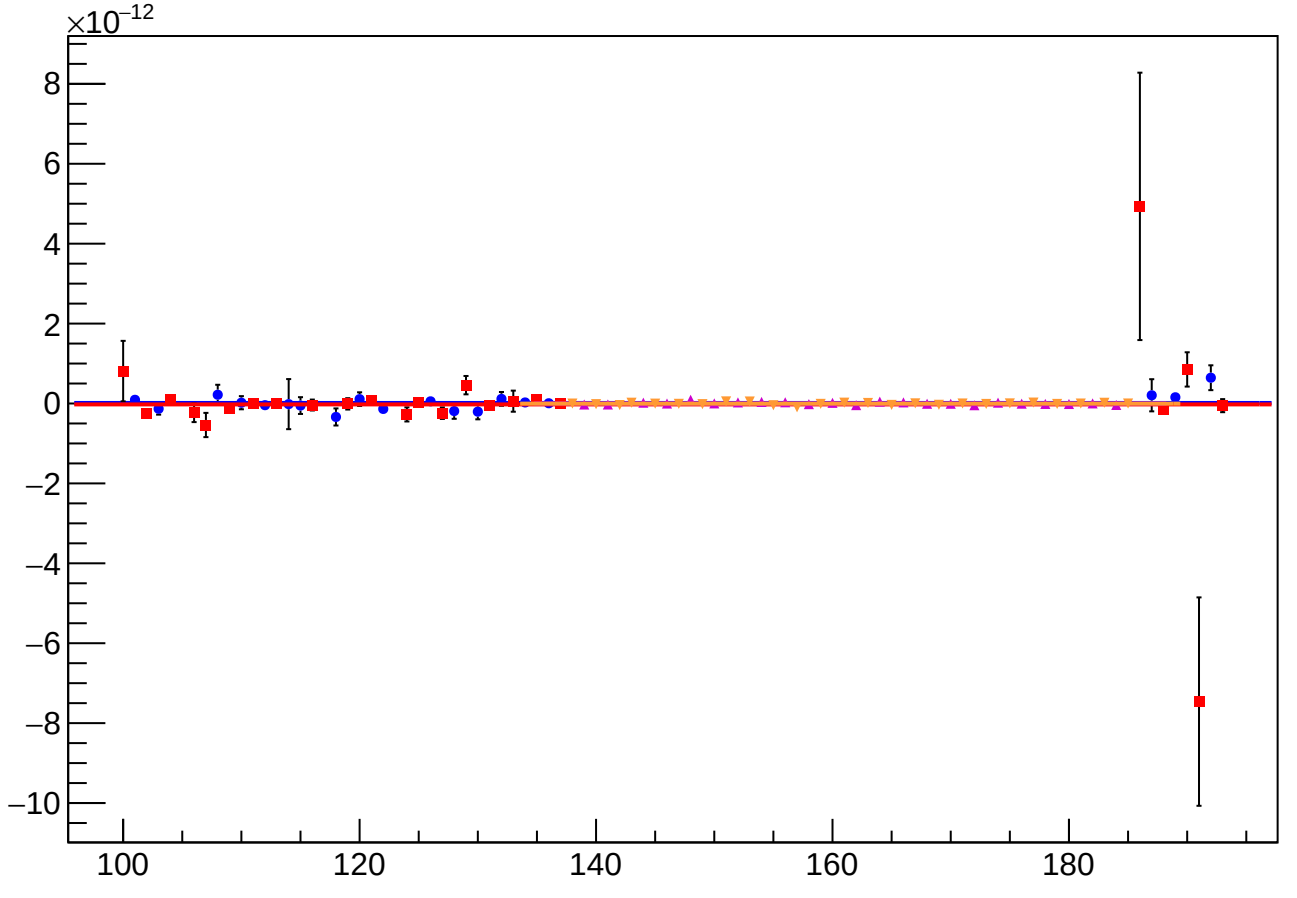
Right Out: 1443.423+/-0.335 χ^2/NDF: 1626989.2/23

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

\+ sign 754.764+/-0.107 χ^2/NDF: 6088901.3/43

All: 759.899+/-0.076 χ^2/NDF: 13480910.1/90

\- sign 765.261+/-0.109 χ^2/NDF: 7387271.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

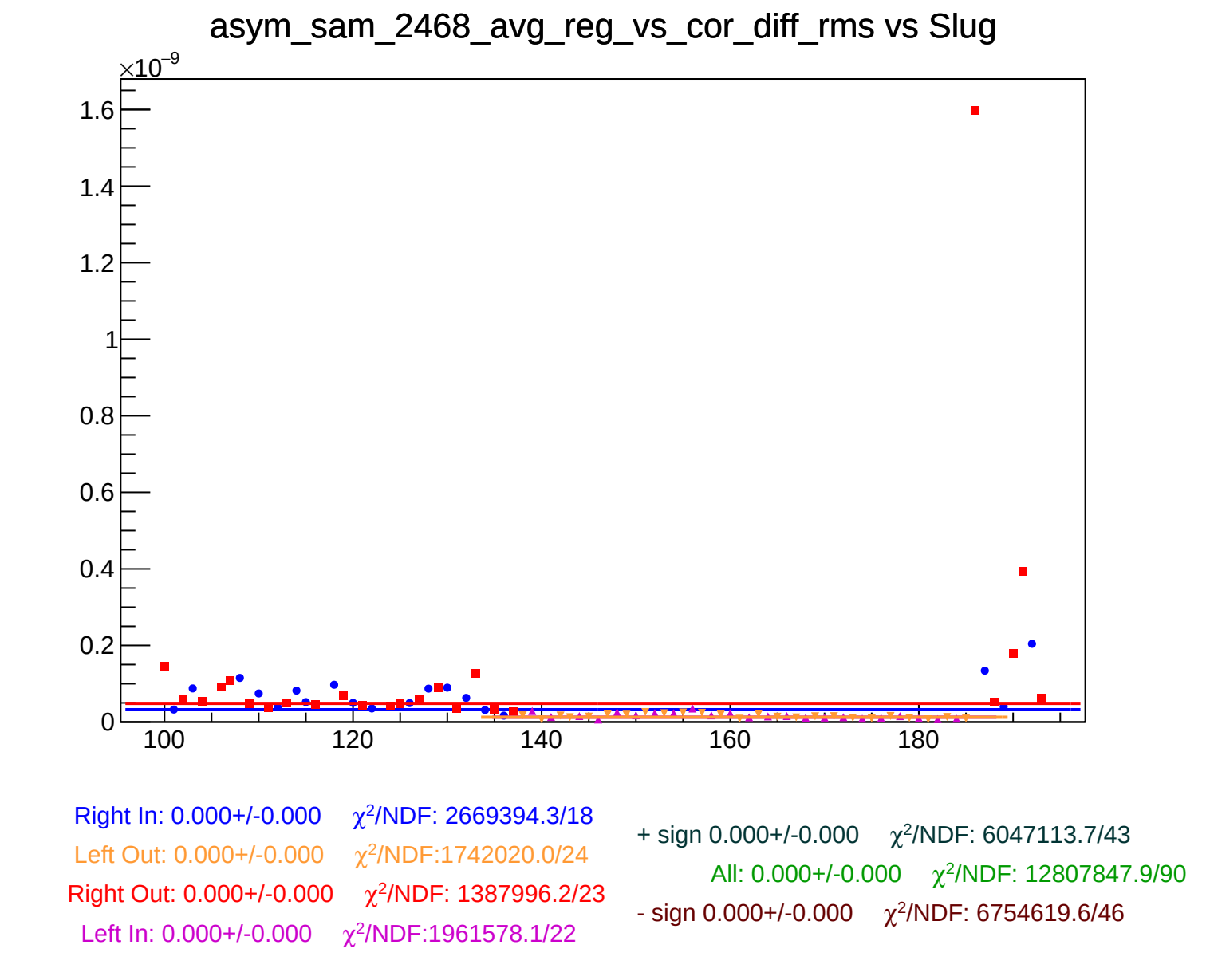
Right Out: -0.000+/-0.000 χ^2/NDF: 40.0/23

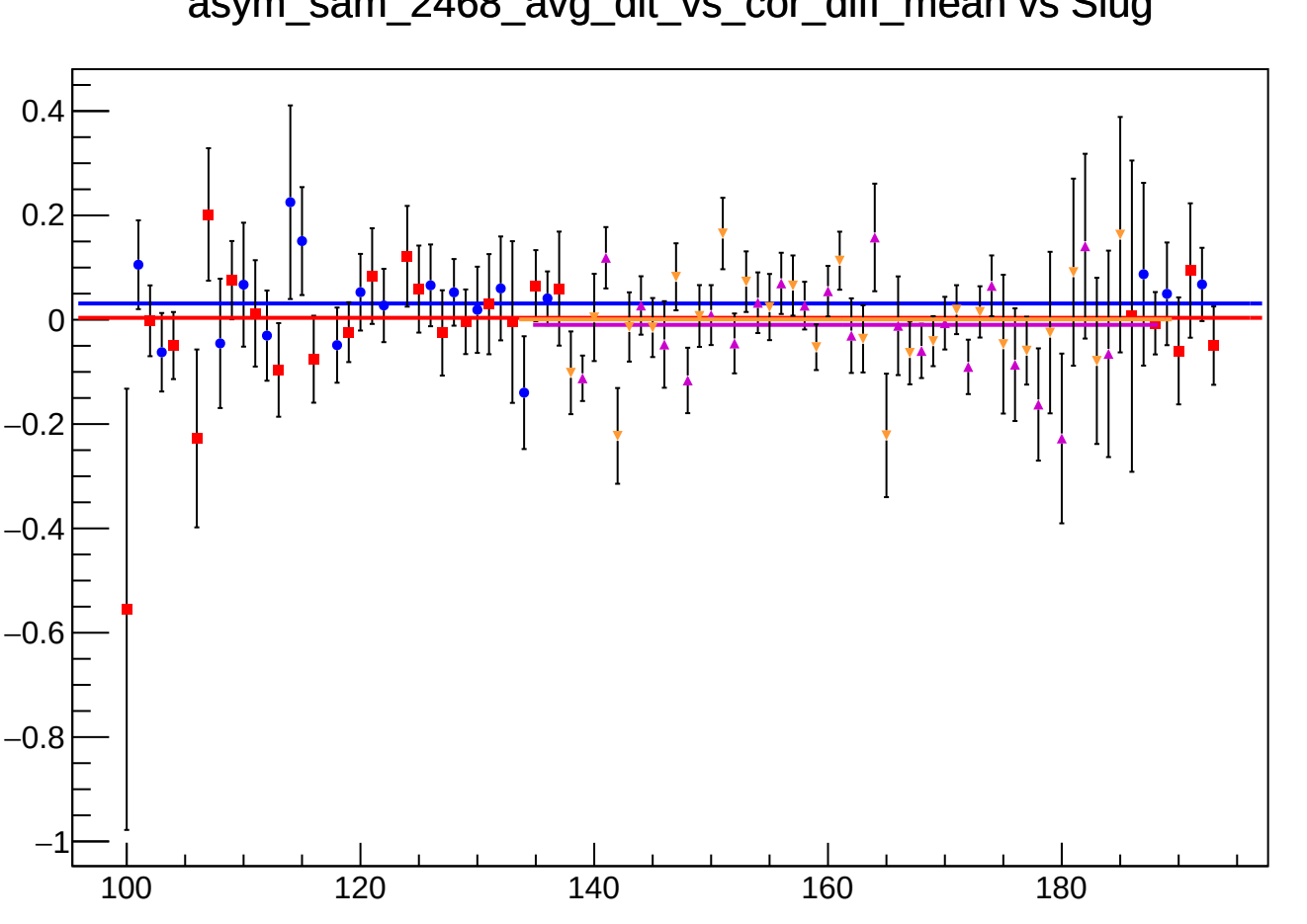
Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.5/43

All: -0.000+/-0.000 χ^2/NDF: 95.7/90

- sign -0.000+/-0.000 χ^2/NDF: 61.2/46


asym_sam_2468_avg_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: 2669394.3/18
Left Out: 0.000+/-0.000 χ²/NDF:1742020.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 1387996.2/23
Left In: 0.000+/-0.000 χ²/NDF:1961578.1/22
+ sign 0.000+/-0.000 χ²/NDF: 6047113.7/43
All: 0.000+/-0.000 χ²/NDF: 12807847.9/90
- sign 0.000+/-0.000 χ²/NDF: 6754619.6/46



Right In: 0.031+/-0.019 χ^2/NDF: 10.4/18

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.004+/-0.018 χ^2/NDF: 15.4/23

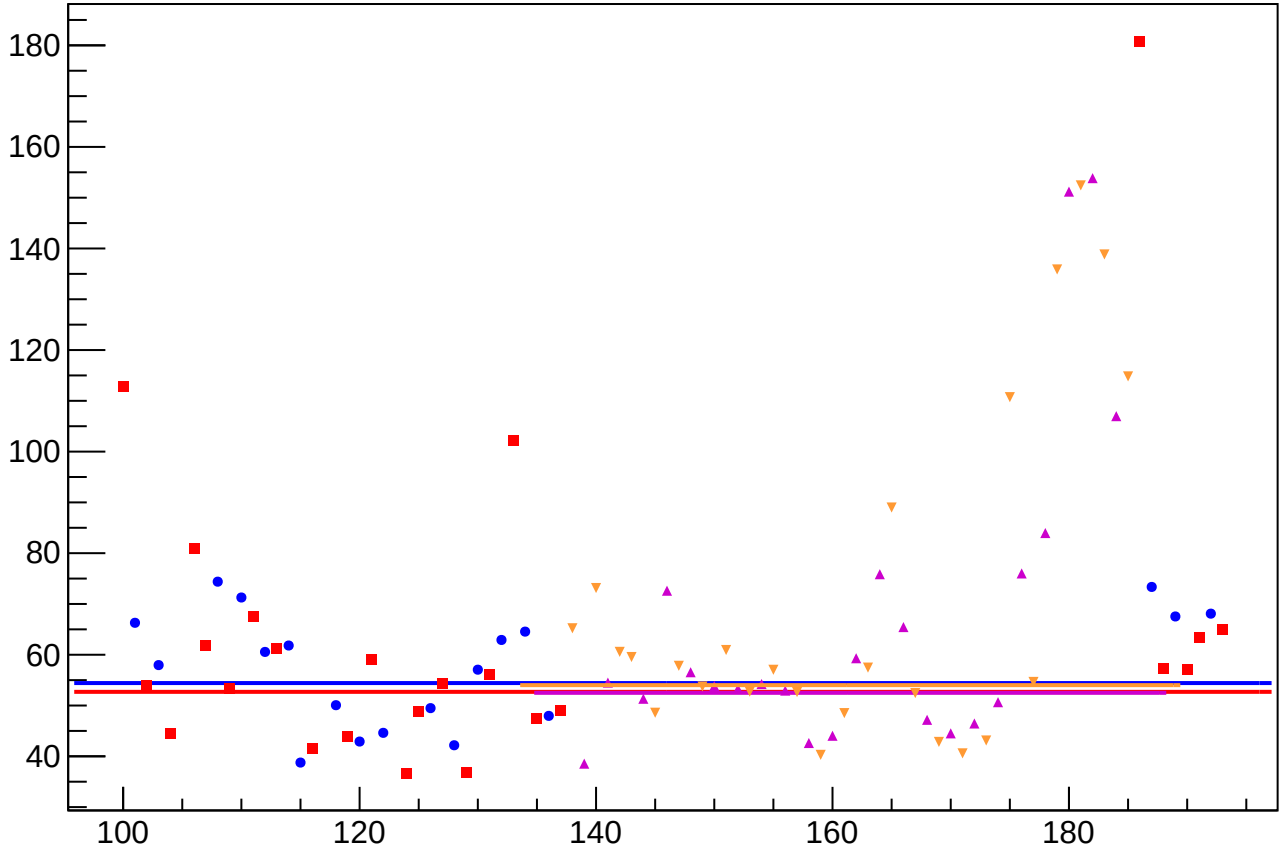
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.011+/-0.011 χ^2/NDF: 43.8/43

All: 0.003+/-0.008 χ^2/NDF: 92.5/90

- sign -0.005+/-0.011 χ^2/NDF: 47.7/46

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

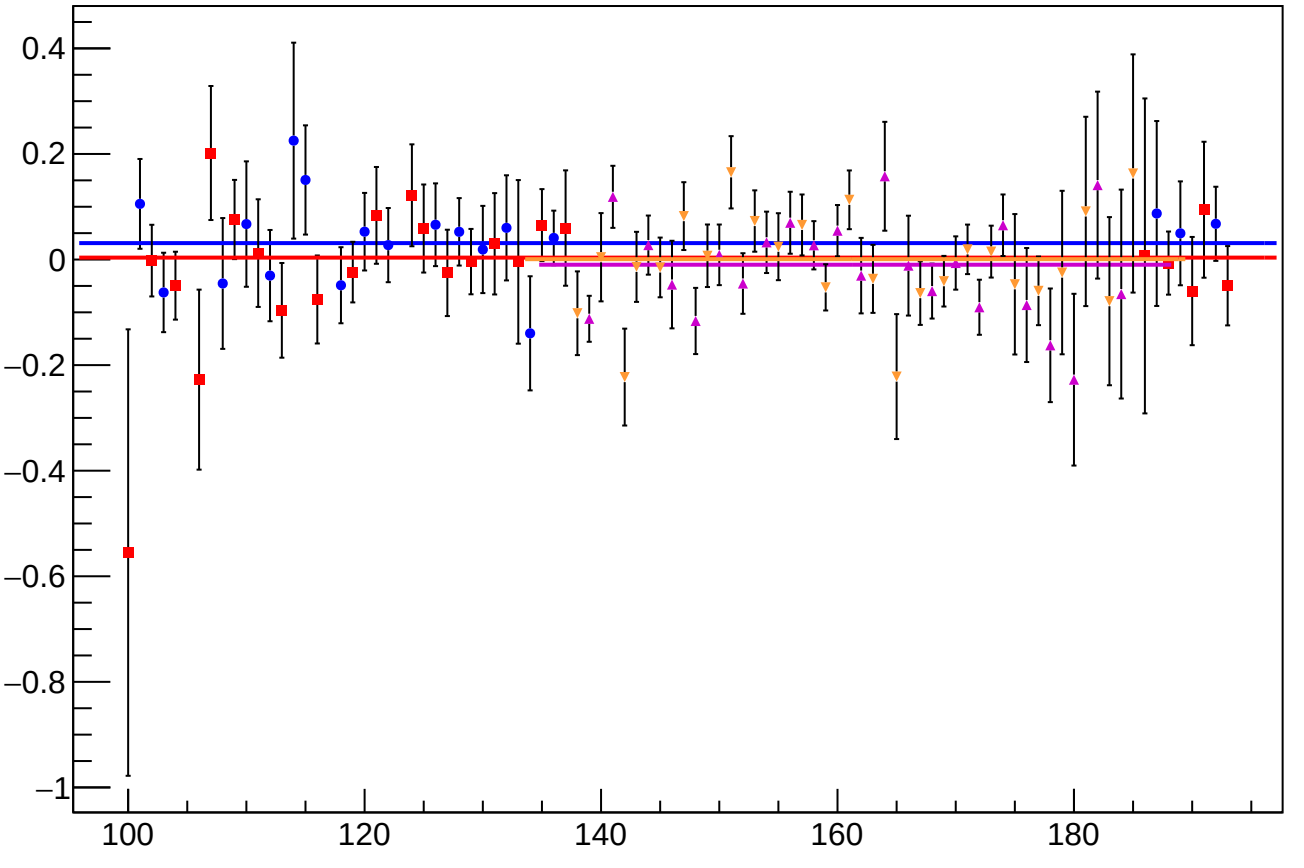
Right Out: 52.694+/-0.012 χ^2/NDF: 1155474.0/23

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 54.147+/-0.008 χ^2/NDF: 3799562.3/43

All: 53.335+/-0.005 χ^2/NDF: 7534564.2/90

- sign 52.572+/-0.007 χ^2/NDF: 3713391.4/46



Right In: 0.031+/-0.019 χ^2/NDF: 10.4/18

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

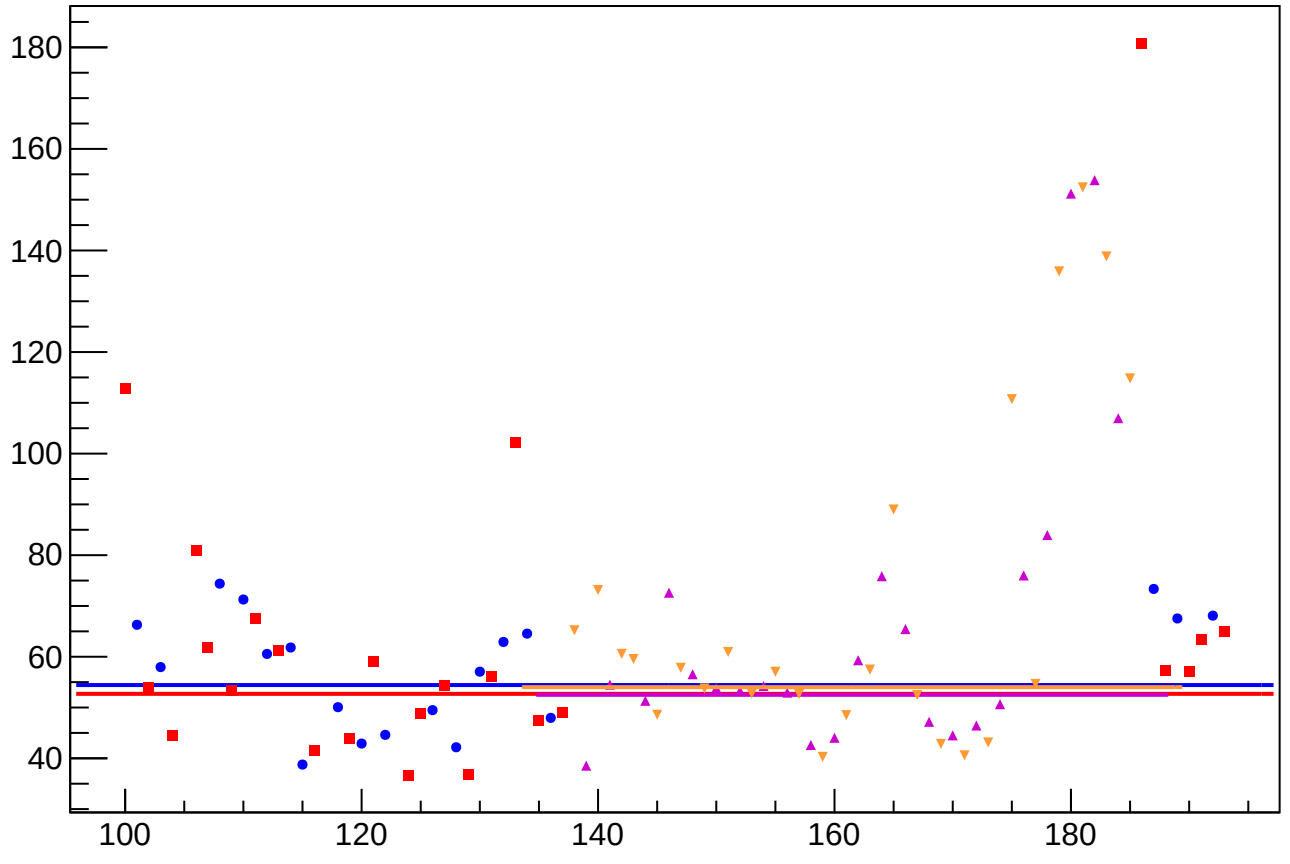
Right Out: 0.004+/-0.018 χ^2/NDF: 15.4/23

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: 92.5/90

- sign -0.005+/-0.011 χ^2/NDF: 47.7/46



Right In: 54.425+/-0.014 χ^2/NDF: 571387.3/18

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

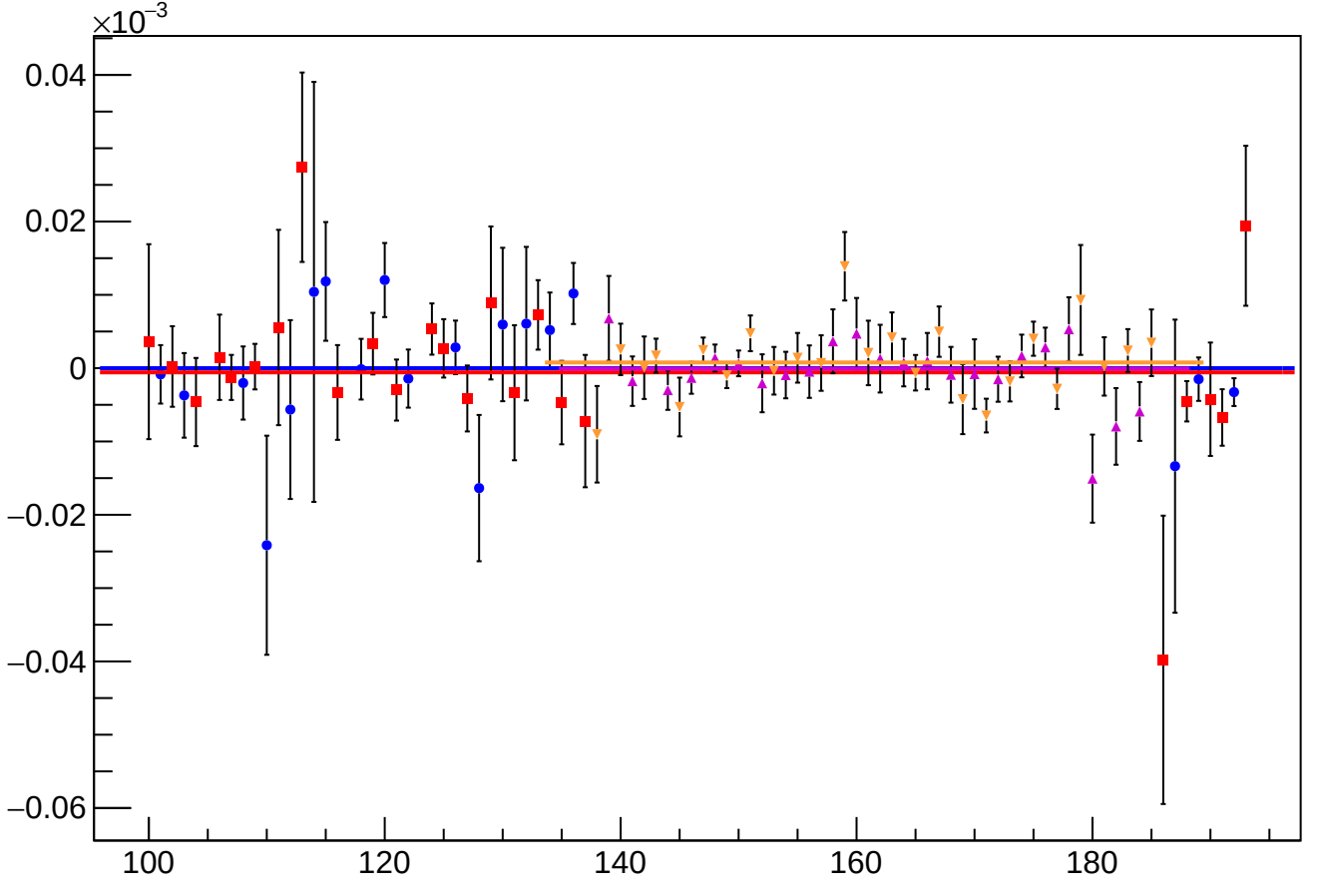
Right Out: 52.694+/-0.012 χ^2/NDF: 1155474.0/23

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 54.147+/-0.008 χ^2/NDF: 3799562.3/43

All: 53.335+/-0.005 χ^2/NDF: 7534564.2/90

- sign 52.572+/-0.007 χ^2/NDF: 3713391.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

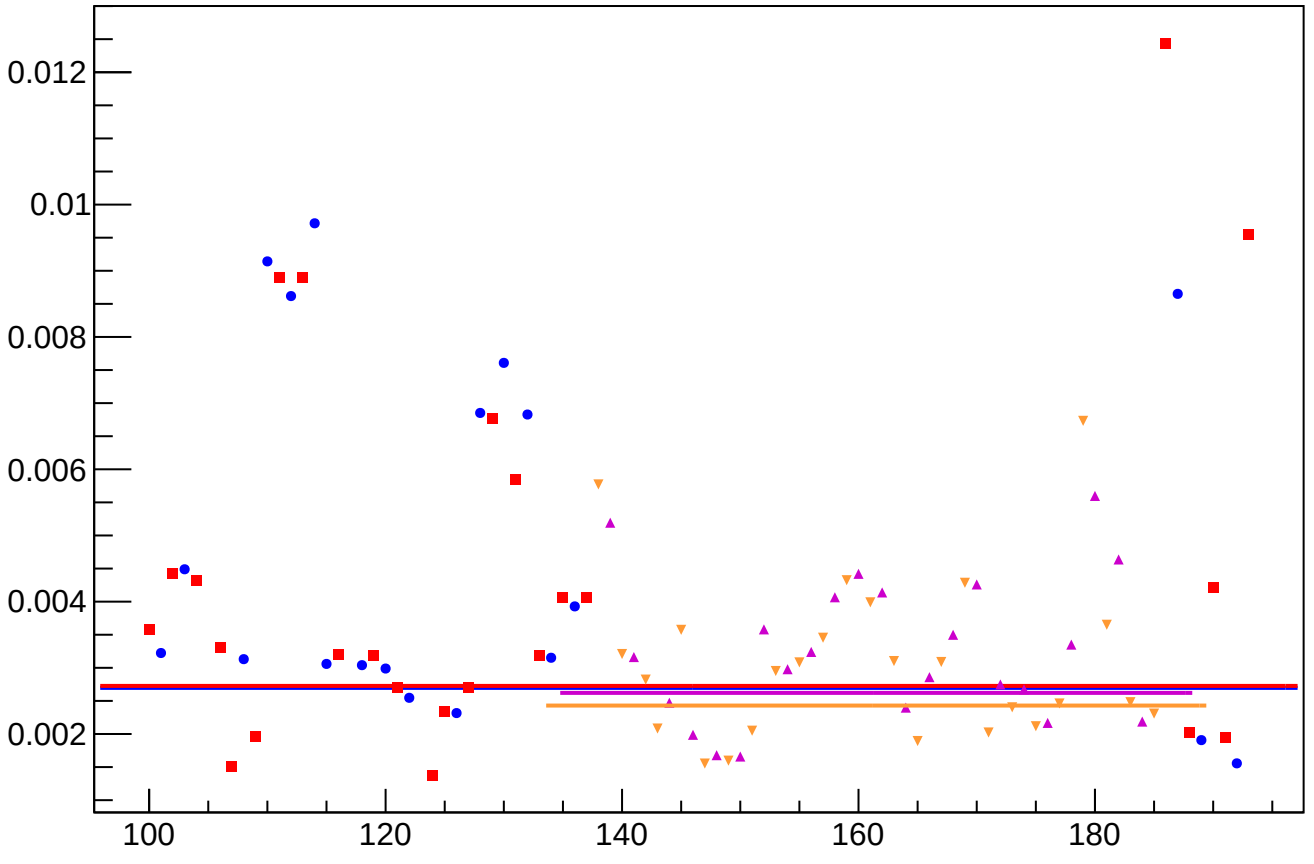
Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/23

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: 114.3/90

- sign -0.000+/-0.000 χ^2/NDF: 48.5/46



Right In: 0.003+/-0.000 χ^2/NDF: 3589052.5/18

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

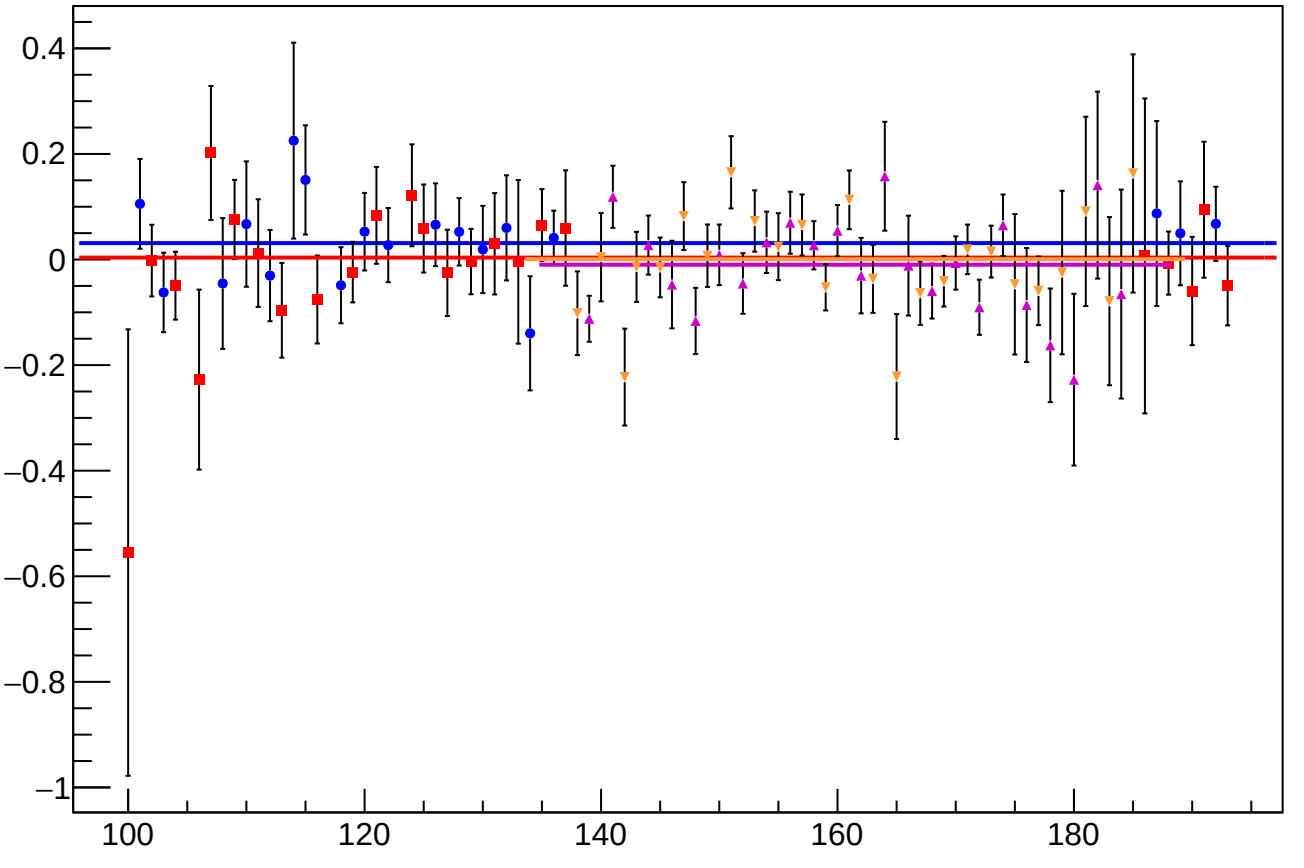
Right Out: 0.003+/-0.000 χ^2/NDF: 4291855.8/23

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: 16257273.9/90

- sign 0.003+/-0.000 χ^2/NDF: 8262497.3/46



Right In: 0.031+/-0.019 χ^2/NDF: 10.4/18

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

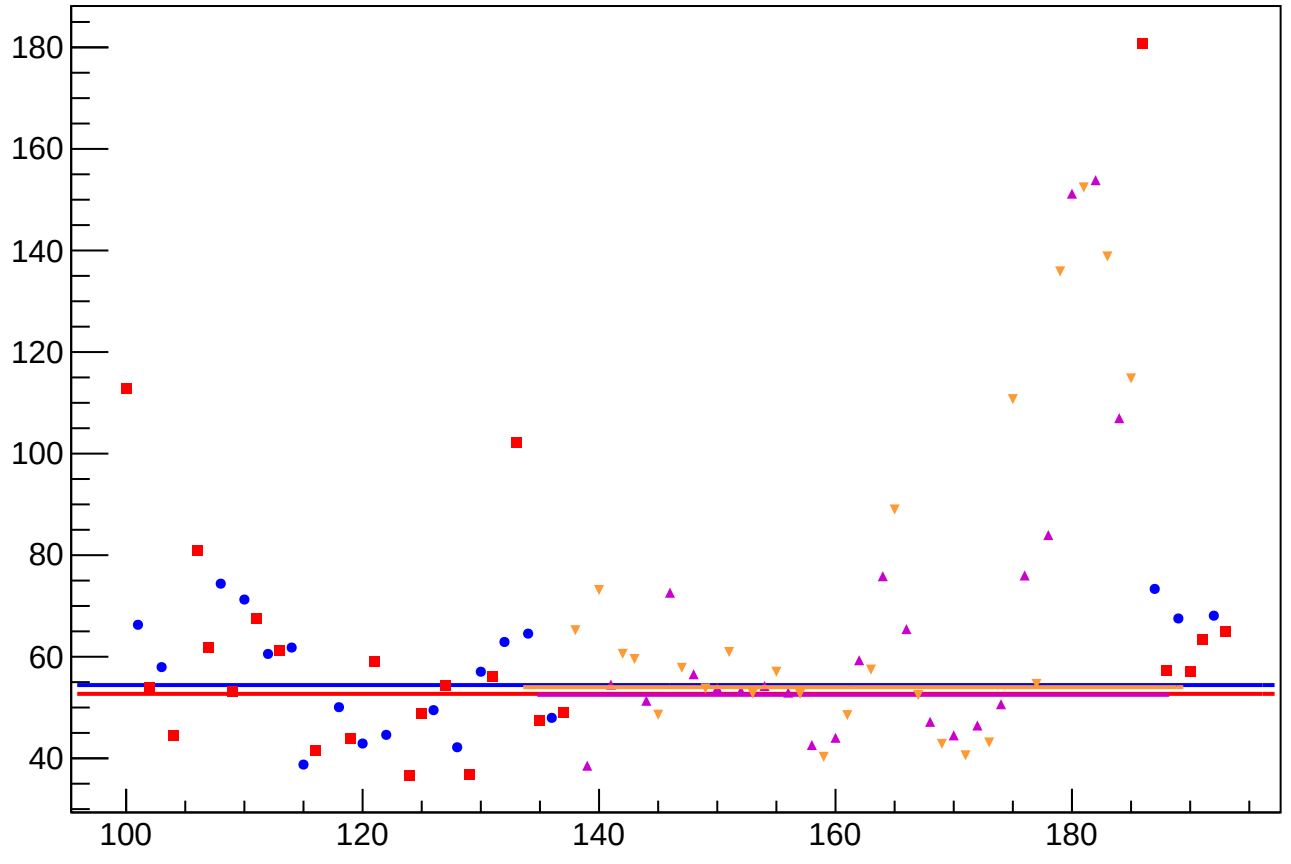
Right Out: 0.004+/-0.018 χ^2/NDF: 15.4/23

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: 92.5/90

- sign -0.005+/-0.011 χ^2/NDF: 47.7/46



Right In: 54.424+/-0.014 χ^2/NDF: 571357.1/18

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

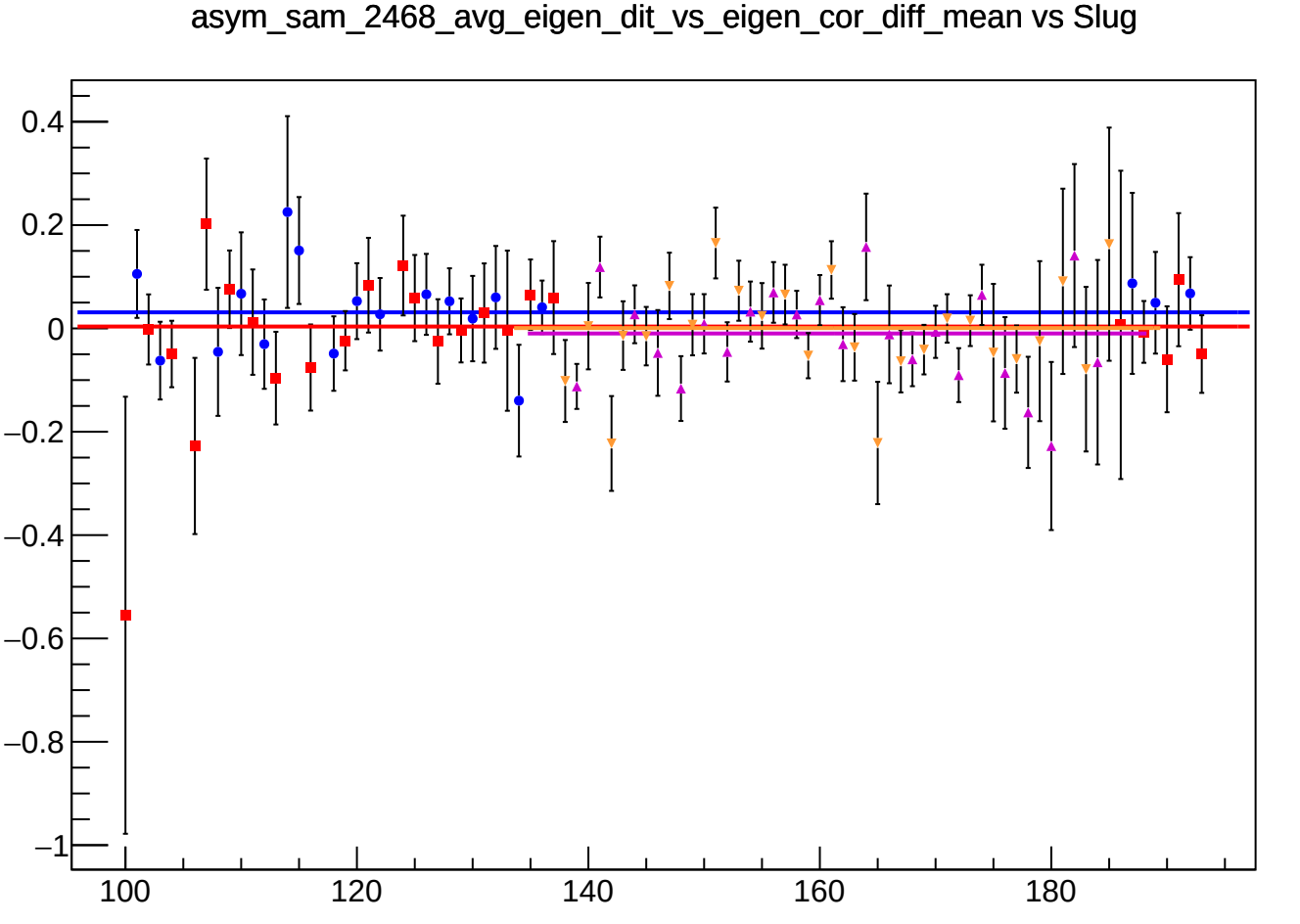
Right Out: 52.694+/-0.012 χ^2/NDF: 1155492.8/23

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 54.147+/-0.008 χ^2/NDF: 3799546.4/43

All: 53.335+/-0.005 χ^2/NDF: 7534608.5/90

- sign 52.572+/-0.007 χ^2/NDF: 3713450.2/46



Right In: 0.031+/-0.019 χ^2/NDF: 10.4/18

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

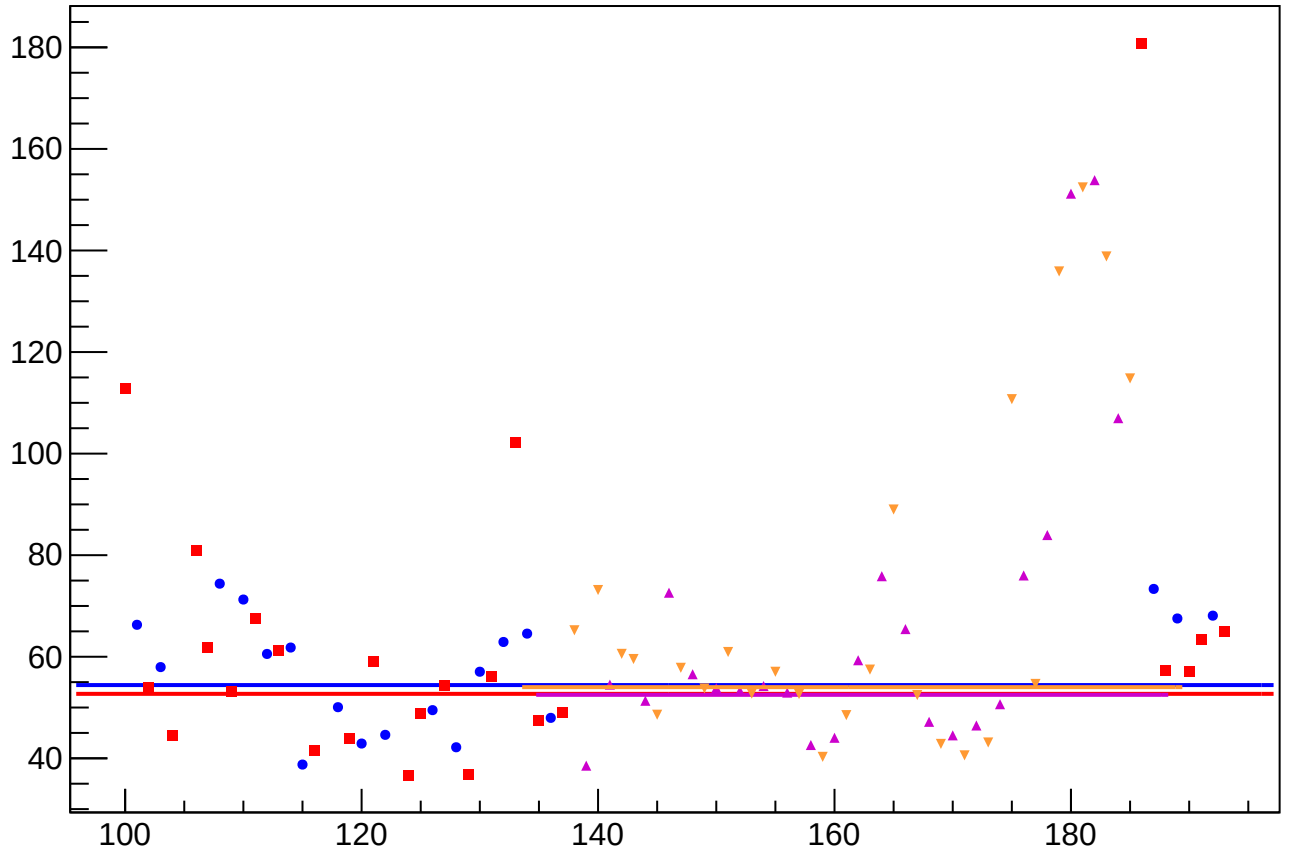
Right Out: 0.004+/-0.018 χ^2/NDF: 15.4/23

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: 92.5/90

- sign -0.005+/-0.011 χ^2/NDF: 47.7/46



Right In: 54.424+/-0.014 χ^2/NDF: 571357.1/18

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

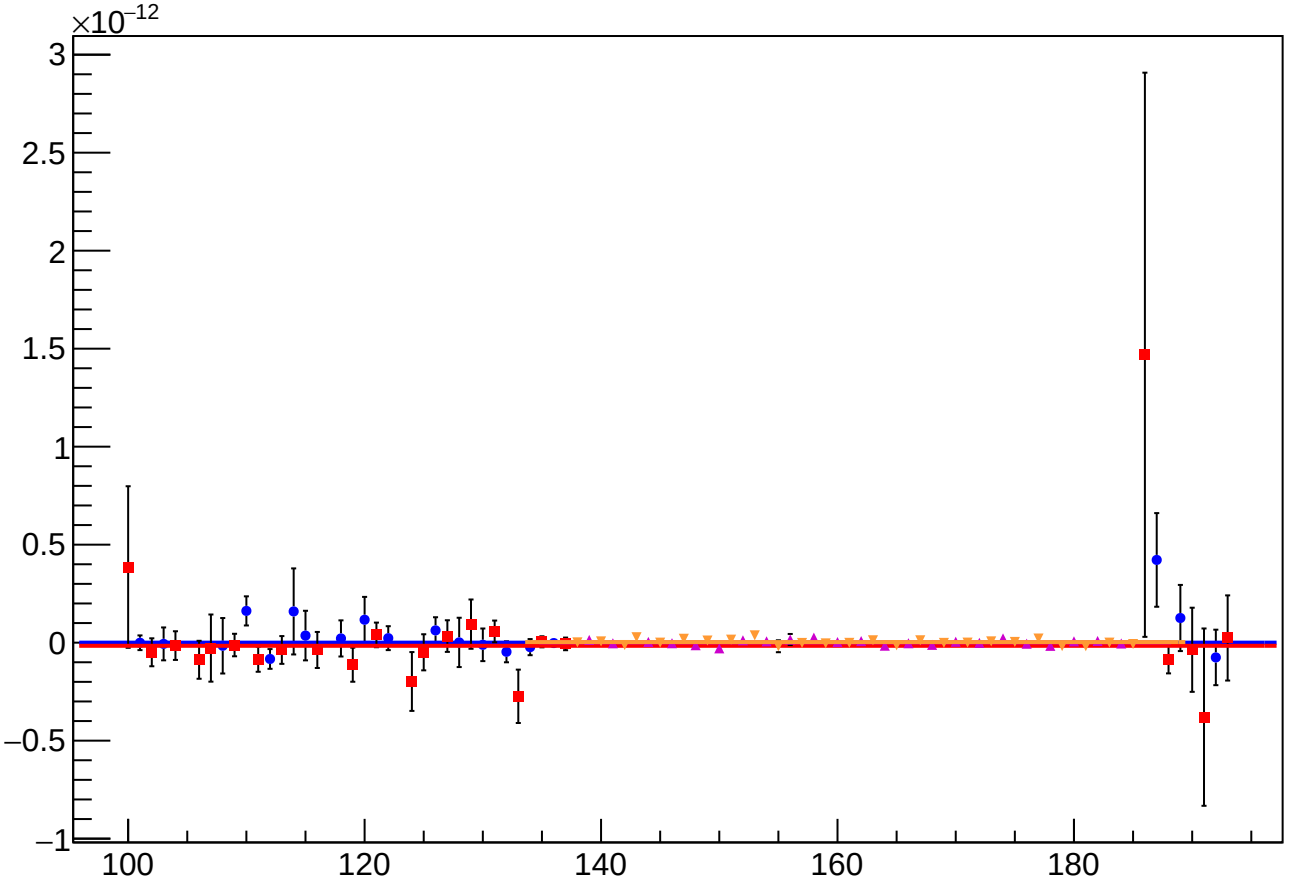
Right Out: 52.694+/-0.012 χ^2/NDF: 1155492.8/23

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 54.147+/-0.008 χ^2/NDF: 3799546.4/43

All: 53.335+/-0.005 χ^2/NDF: 7534608.5/90

- sign 52.572+/-0.007 χ^2/NDF: 3713450.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

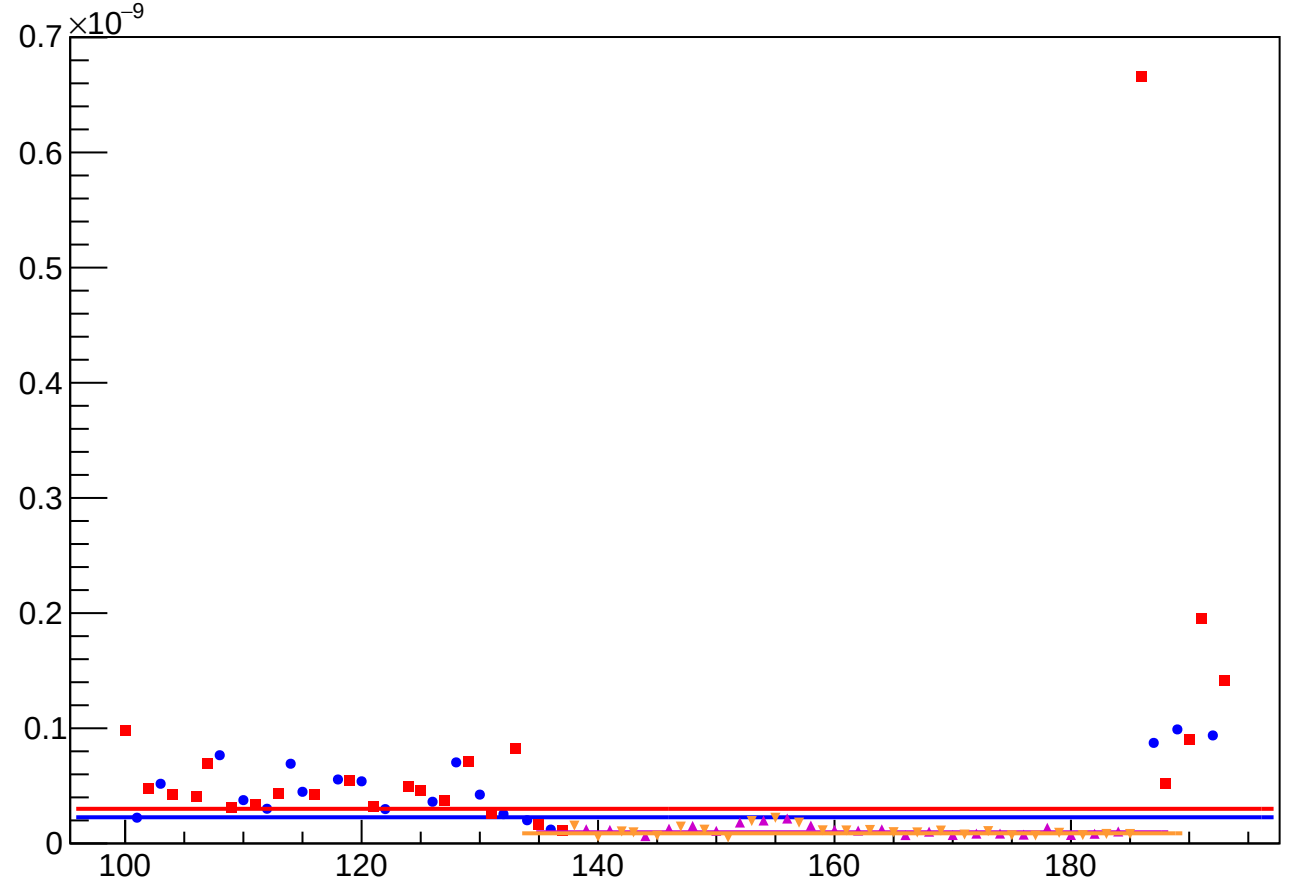
Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/23

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: 70.6/90

- sign 0.000+/-0.000 χ^2/NDF: 33.2/46



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: 3954637.3/23

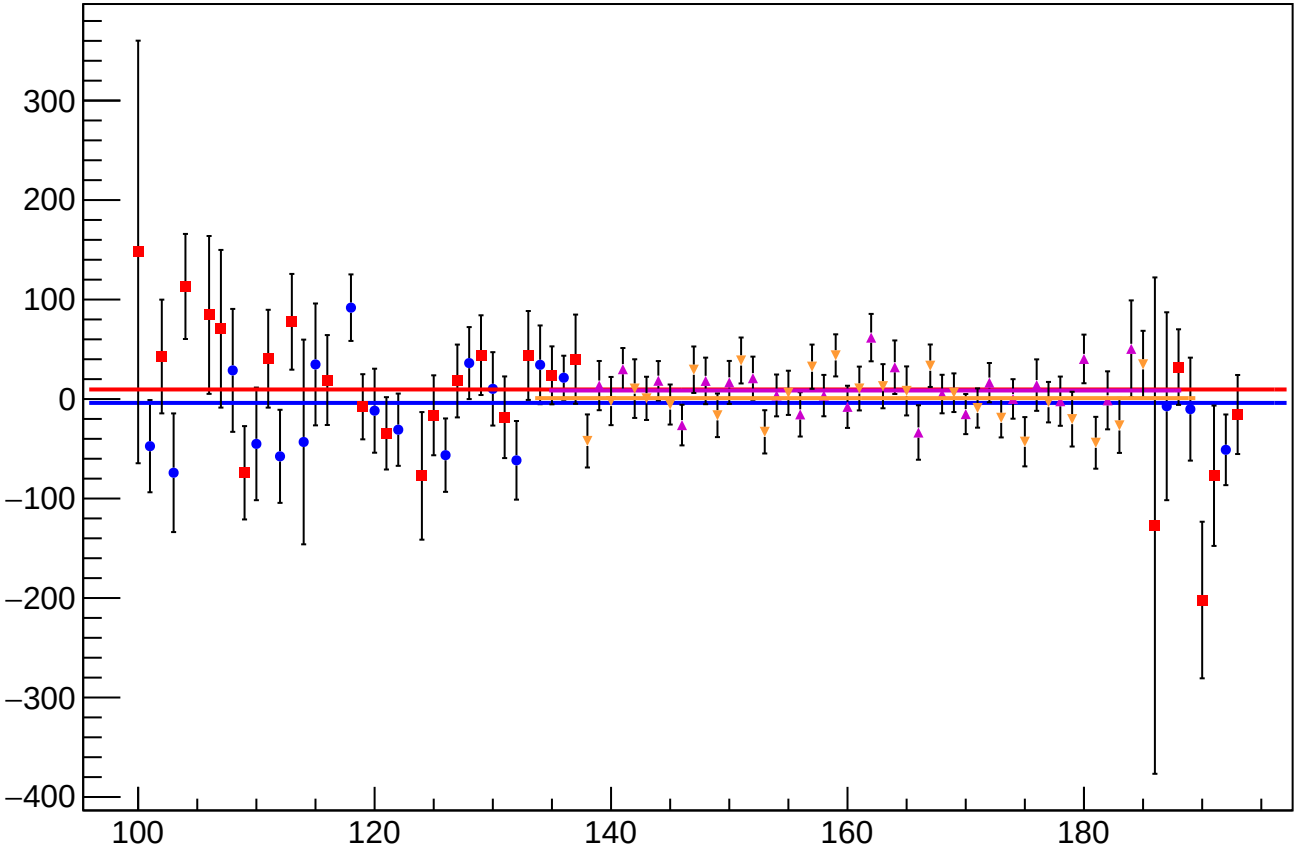
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8727406.1/43

All: 0.000+/-0.000 χ^2/NDF: 19135955.3/90

- sign 0.000+/-0.000 χ^2/NDF: 10250263.3/46

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: 9.622+/-9.453 χ^2/NDF: 28.1/23

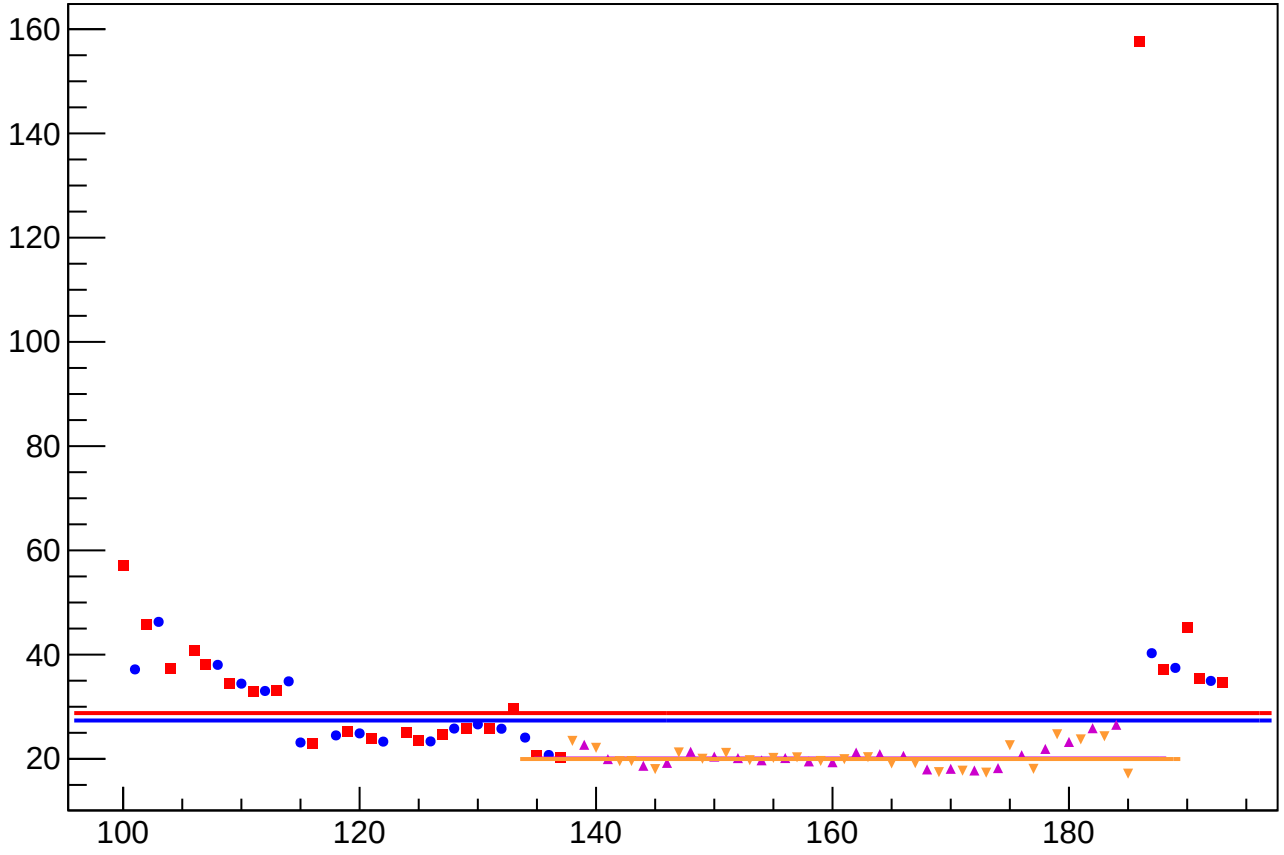
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.005+/-4.118 χ^2/NDF: 52.7/43

All: 4.291+/-2.949 χ^2/NDF: 102.4/90

- sign 8.804+/-4.225 χ^2/NDF: 47.4/46

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

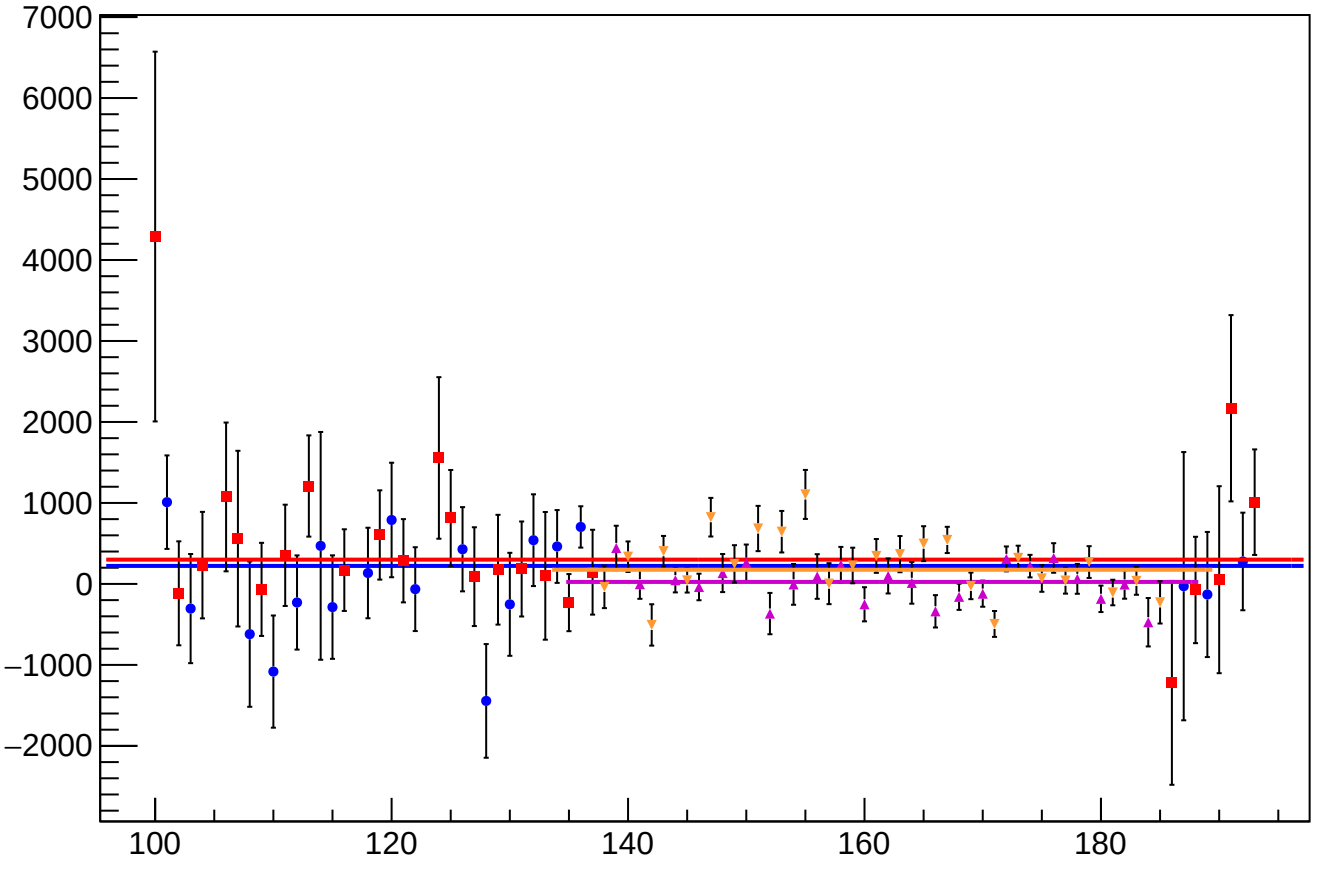
Right Out: 28.783+/-0.007 χ^2/NDF: 1583977.1/23

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

\+ sign 21.370+/-0.003 χ^2/NDF: 2284002.3/43

All: 21.586+/-0.002 χ^2/NDF: 5540041.9/90

\- sign 21.813+/-0.003 χ^2/NDF: 3244782.2/46



Right In: 222.428+/-129.348 χ^2/NDF: 19.9/18

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

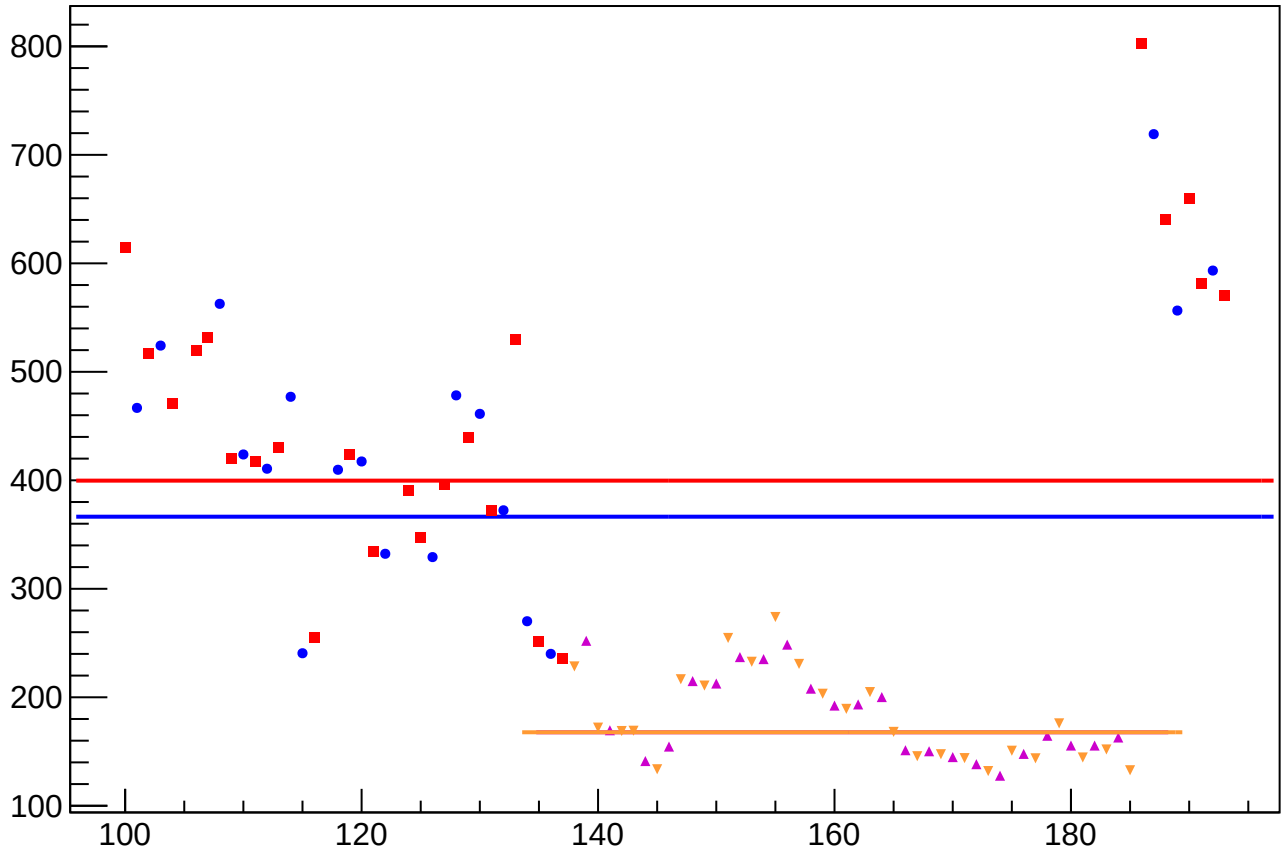
Right Out: 299.986+/-131.470 χ^2/NDF: 17.8/23

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 178.680+/-37.383 χ^2/NDF: 91.2/43

All: 114.973+/-26.762 χ^2/NDF: 145.9/90

- sign 47.998+/-38.329 χ^2/NDF: 48.7/46



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: 399.706+/-0.093 χ^2/NDF: 1774557.5/23

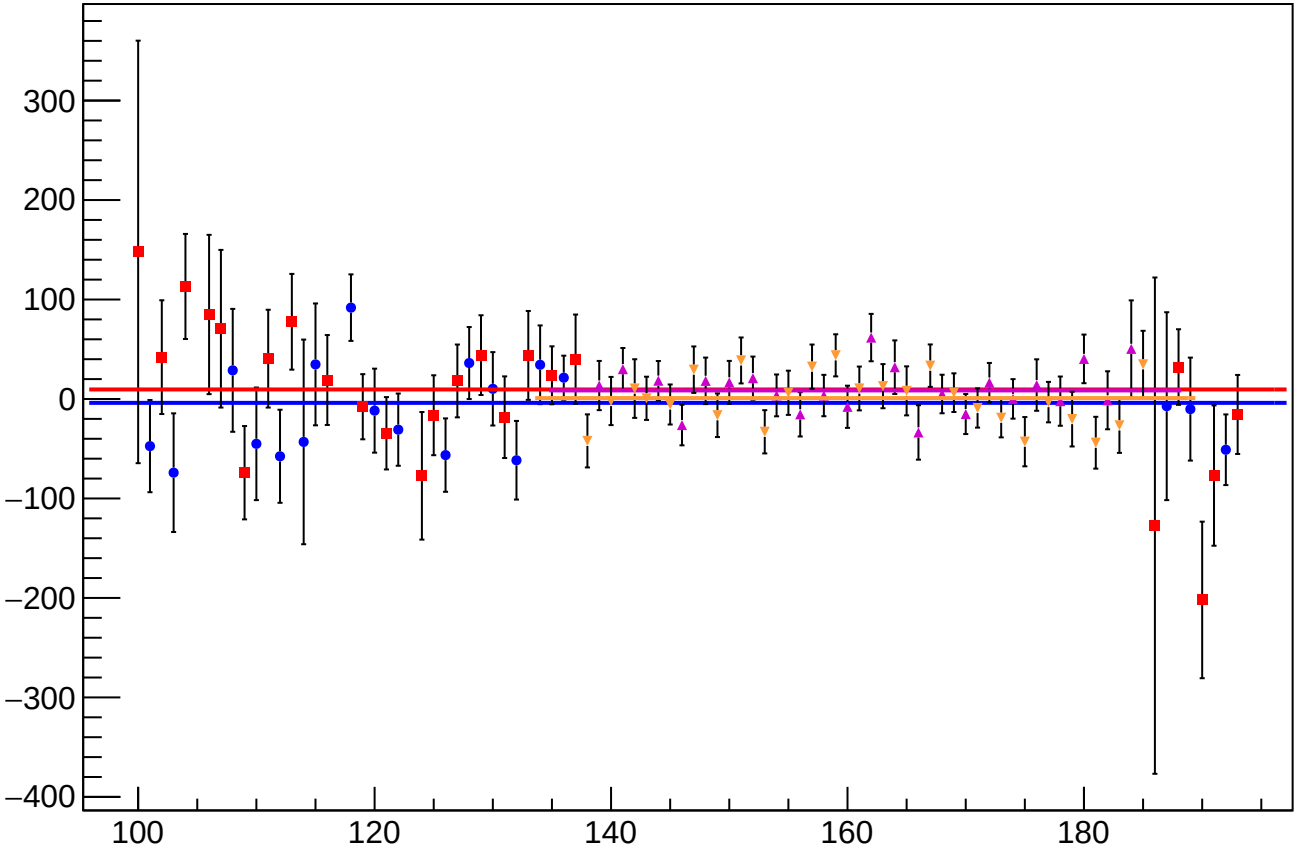
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 184.352+/-0.026 χ^2/NDF: 7499222.6/43

All: 185.869+/-0.019 χ^2/NDF: 16380283.6/90

- sign 187.464+/-0.027 χ^2/NDF: 8874302.5/46

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: 9.587+/-9.454 χ^2/NDF: 28.0/23

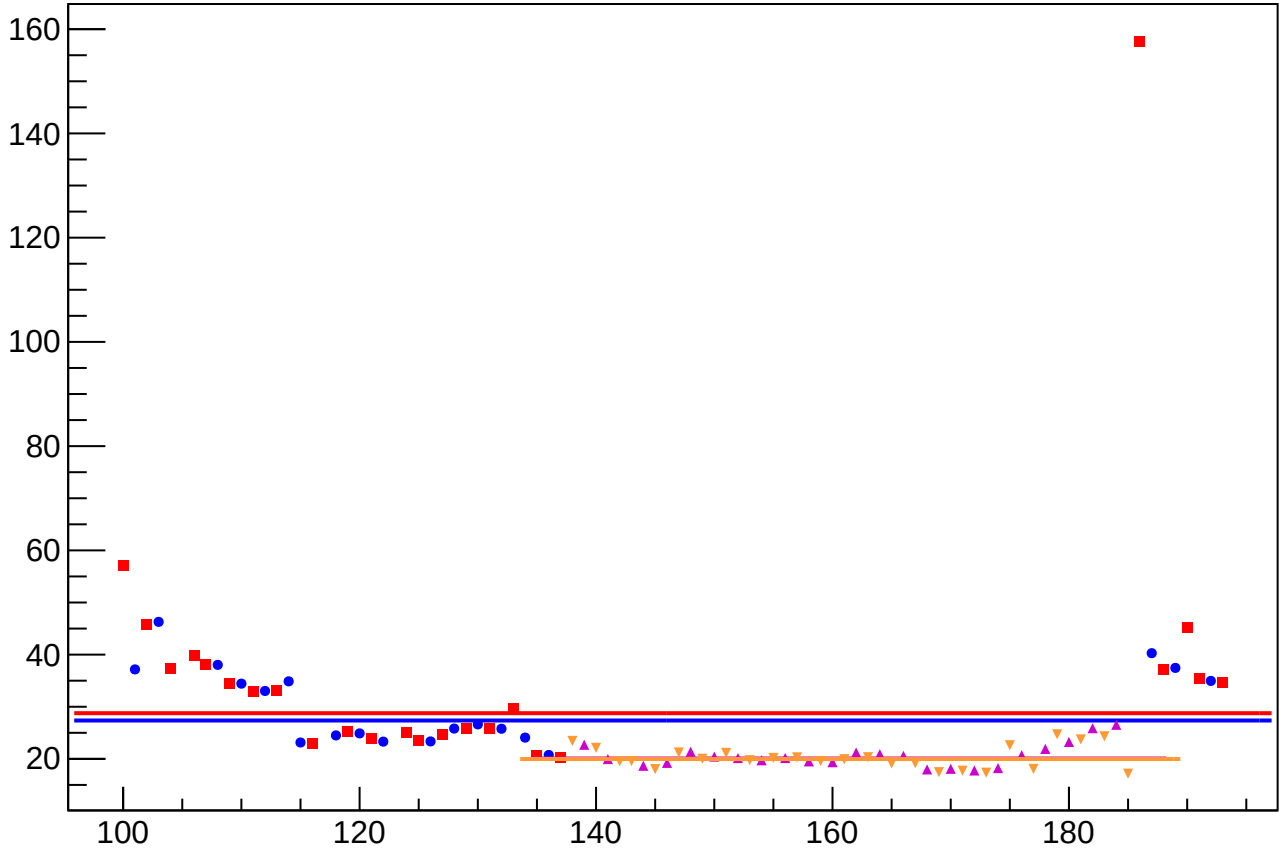
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.004+/-4.118 χ^2/NDF: 52.7/43

All: 4.287+/-2.949 χ^2/NDF: 102.3/90

- sign 8.798+/-4.225 χ^2/NDF: 47.4/46

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

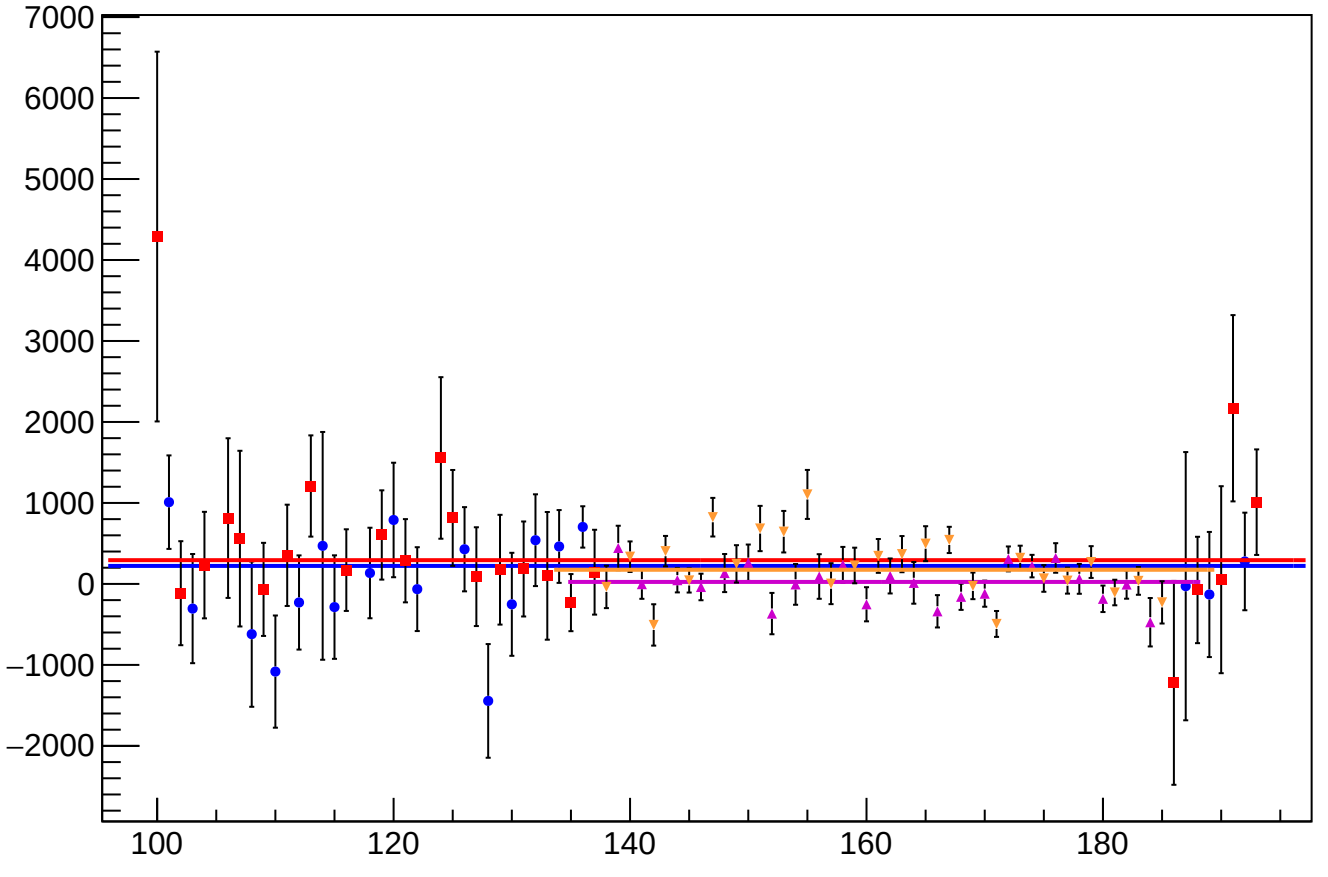
Right Out: 28.765+/-0.007 χ^2/NDF: 1575579.2/23

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.370+/-0.003 χ^2/NDF: 2284005.6/43

All: 21.584+/-0.002 χ^2/NDF: 5525492.9/90

- sign 21.809+/-0.003 χ^2/NDF: 3230433.3/46



Right In: 222.421+/-129.348 χ^2/NDF: 19.9/18

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

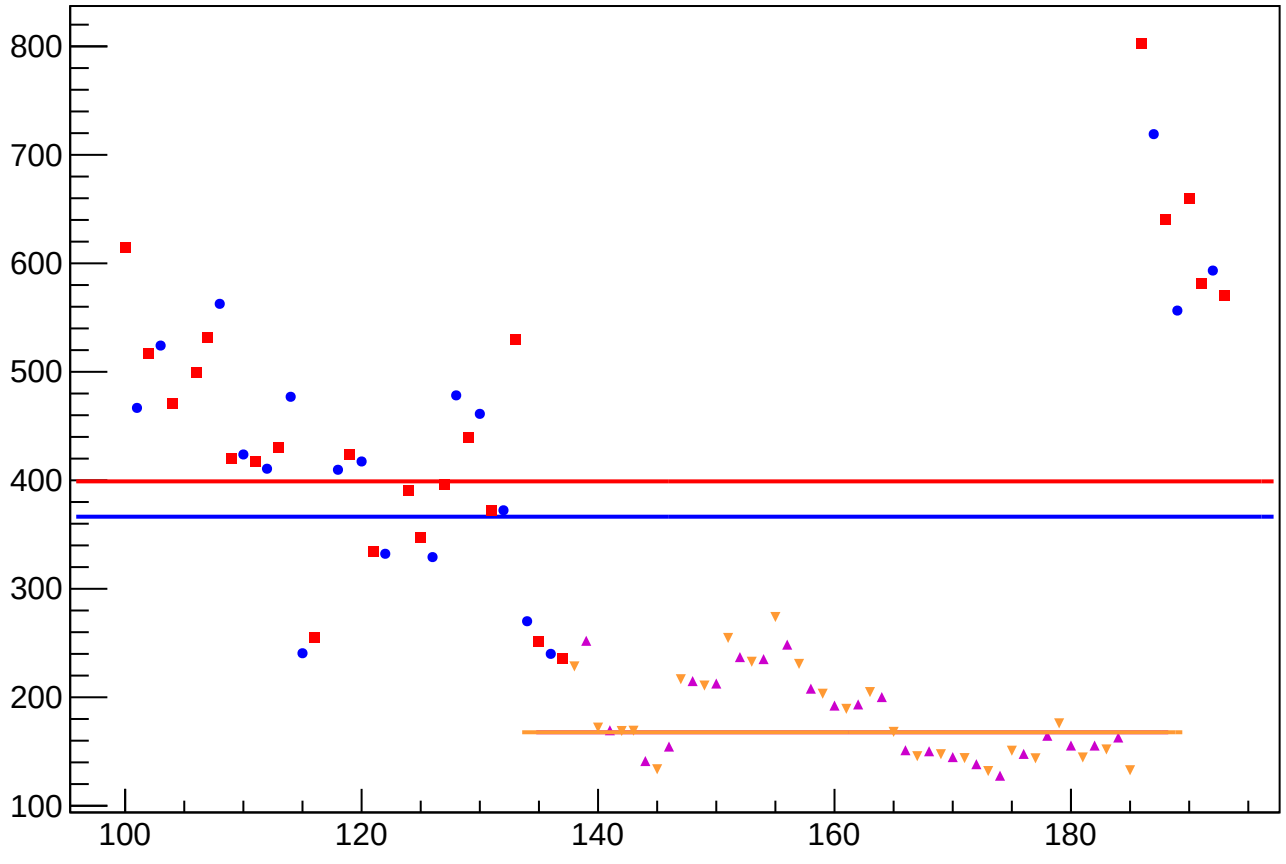
Right Out: 293.314+/-131.650 χ^2/NDF: 17.3/23

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 178.677+/-37.383 χ^2/NDF: 91.2/43

All: 114.675+/-26.764 χ^2/NDF: 145.3/90

- sign 47.374+/-38.334 χ^2/NDF: 48.0/46



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: 399.024+/-0.093 χ^2/NDF: 1761005.6/23

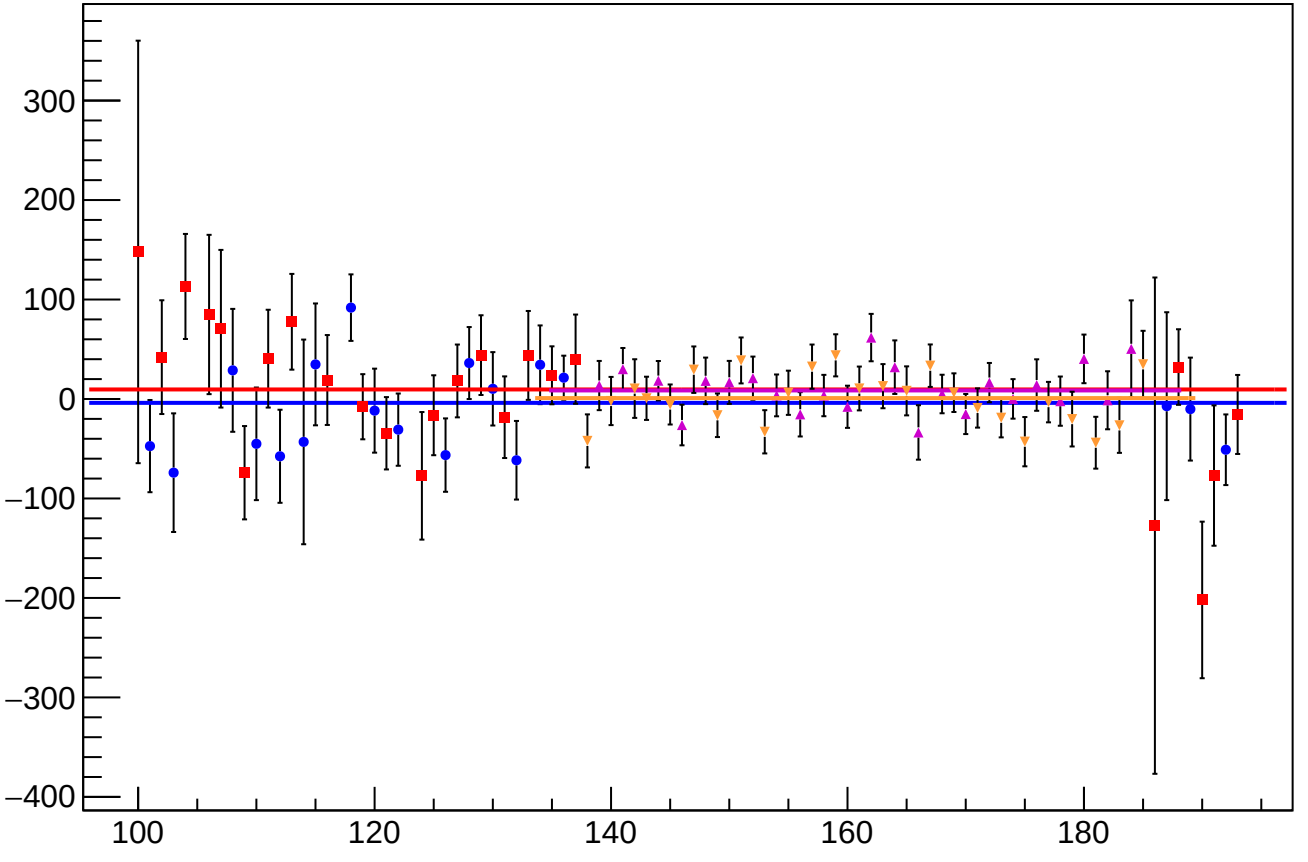
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 184.352+/-0.026 χ^2/NDF: 7499245.3/43

All: 185.817+/-0.019 χ^2/NDF: 16318677.5/90

- sign 187.357+/-0.027 χ^2/NDF: 8813131.1/46

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: 9.587+/-9.454 χ^2/NDF: 28.0/23

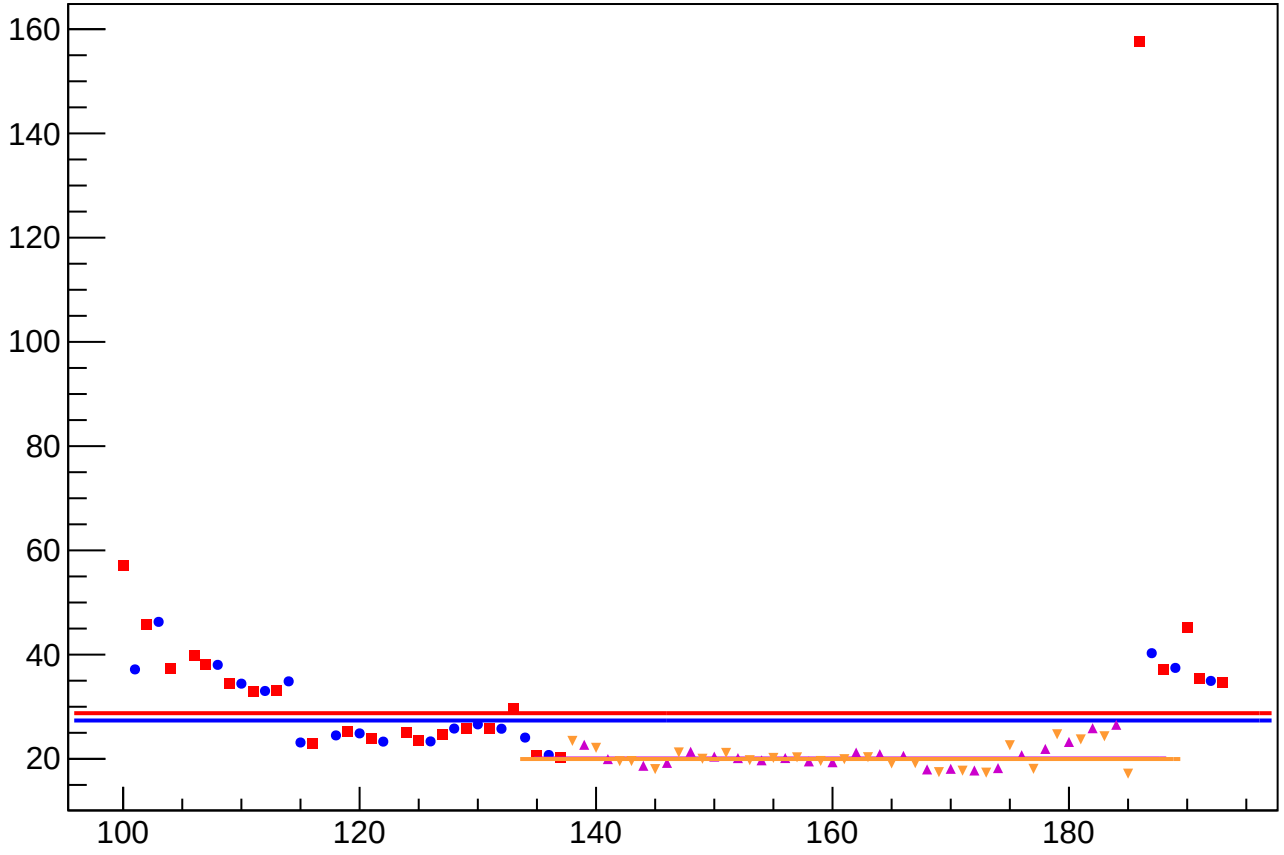
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.004+/-4.118 χ^2/NDF: 52.7/43

All: 4.287+/-2.949 χ^2/NDF: 102.3/90

- sign 8.798+/-4.225 χ^2/NDF: 47.4/46

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

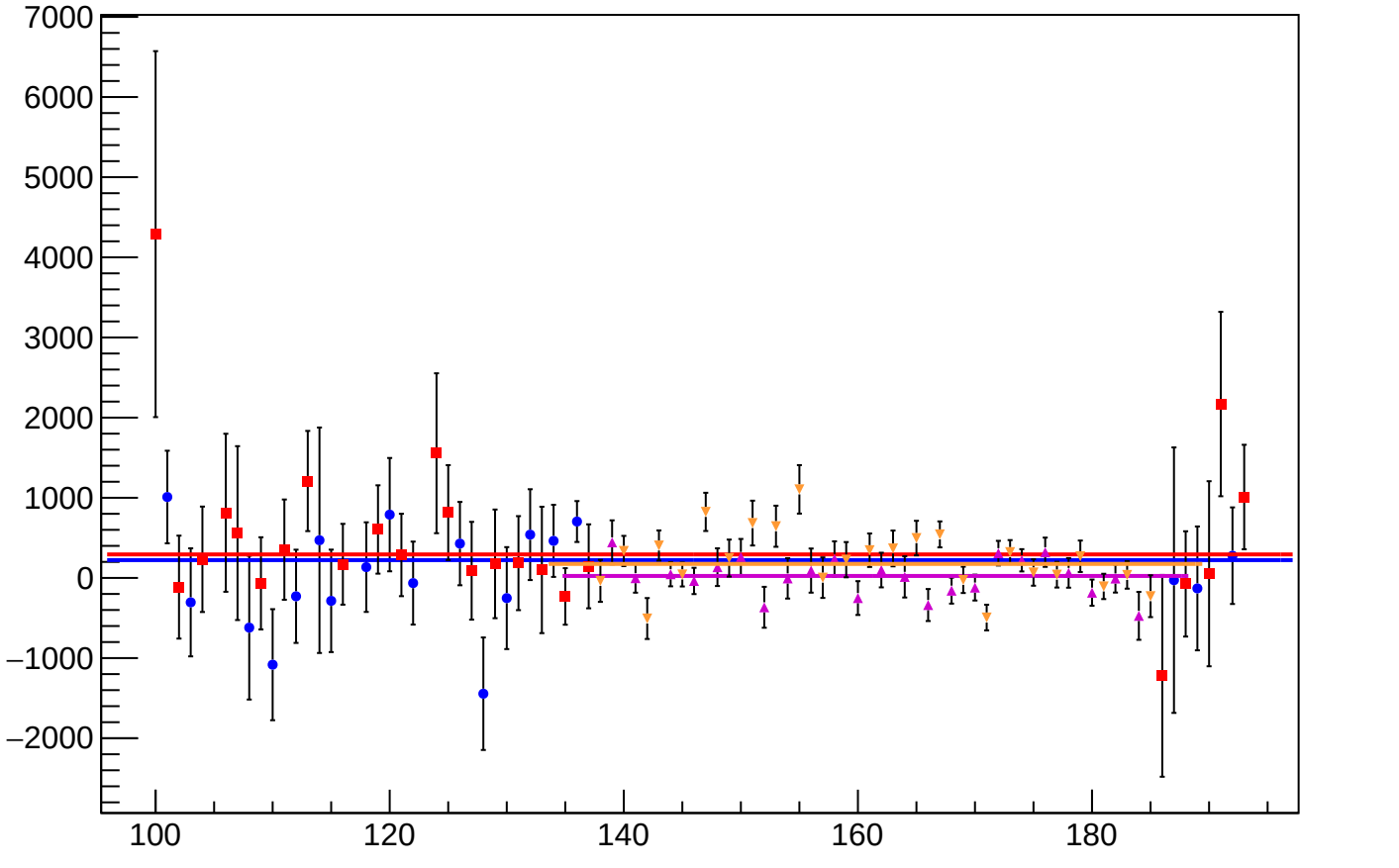
Right Out: 28.765+/-0.007 χ^2/NDF: 1575579.2/23

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.370+/-0.003 χ^2/NDF: 2284005.6/43

All: 21.584+/-0.002 χ^2/NDF: 5525492.9/90

- sign 21.809+/-0.003 χ^2/NDF: 3230433.3/46



Right In: 222.421+/-129.348 χ^2/NDF: 19.9/18

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

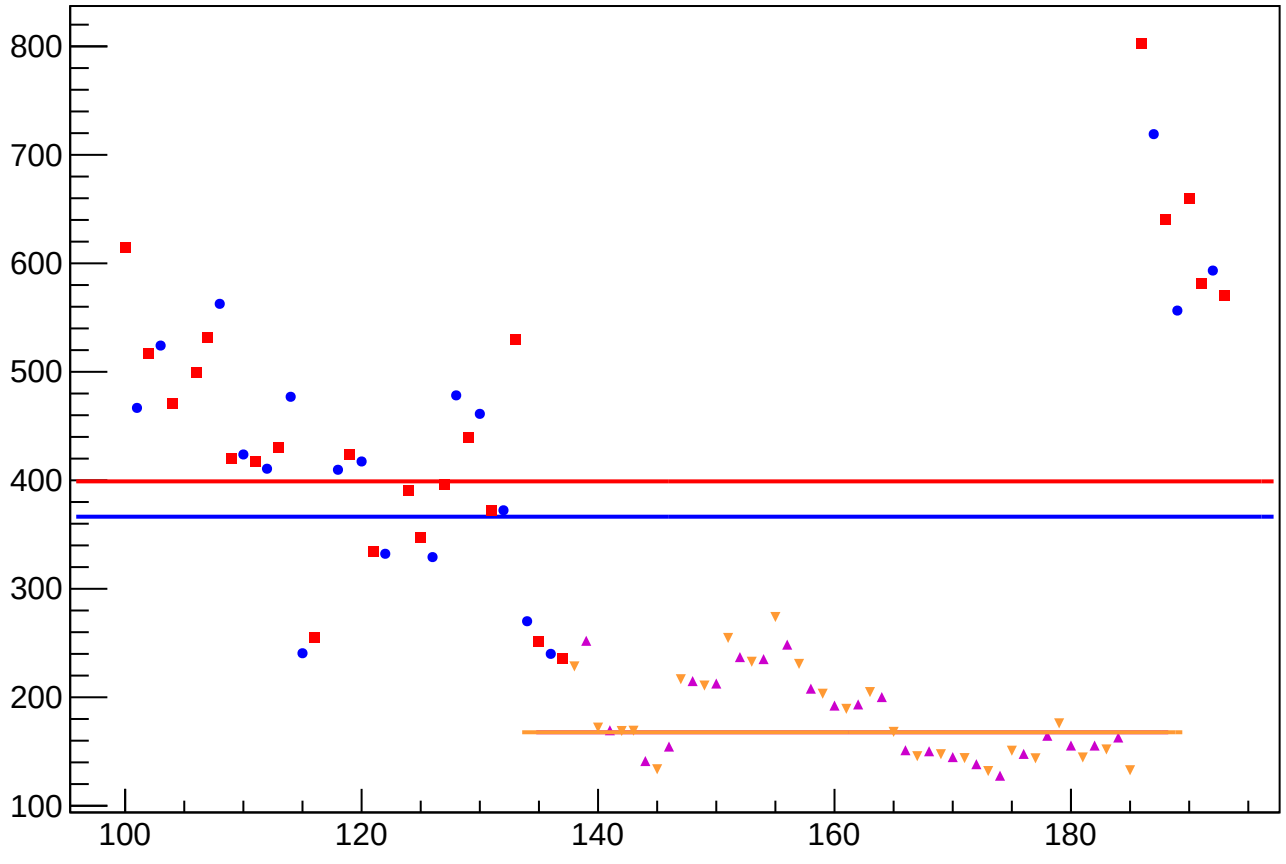
Right Out: 293.314+/-131.650 χ^2/NDF: 17.3/23

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 178.677+/-37.383 χ^2/NDF: 91.2/43

All: 114.675+/-26.764 χ^2/NDF: 145.3/90

- sign 47.374+/-38.334 χ^2/NDF: 48.0/46



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: 399.024+/-0.093 χ^2/NDF: 1761005.6/23

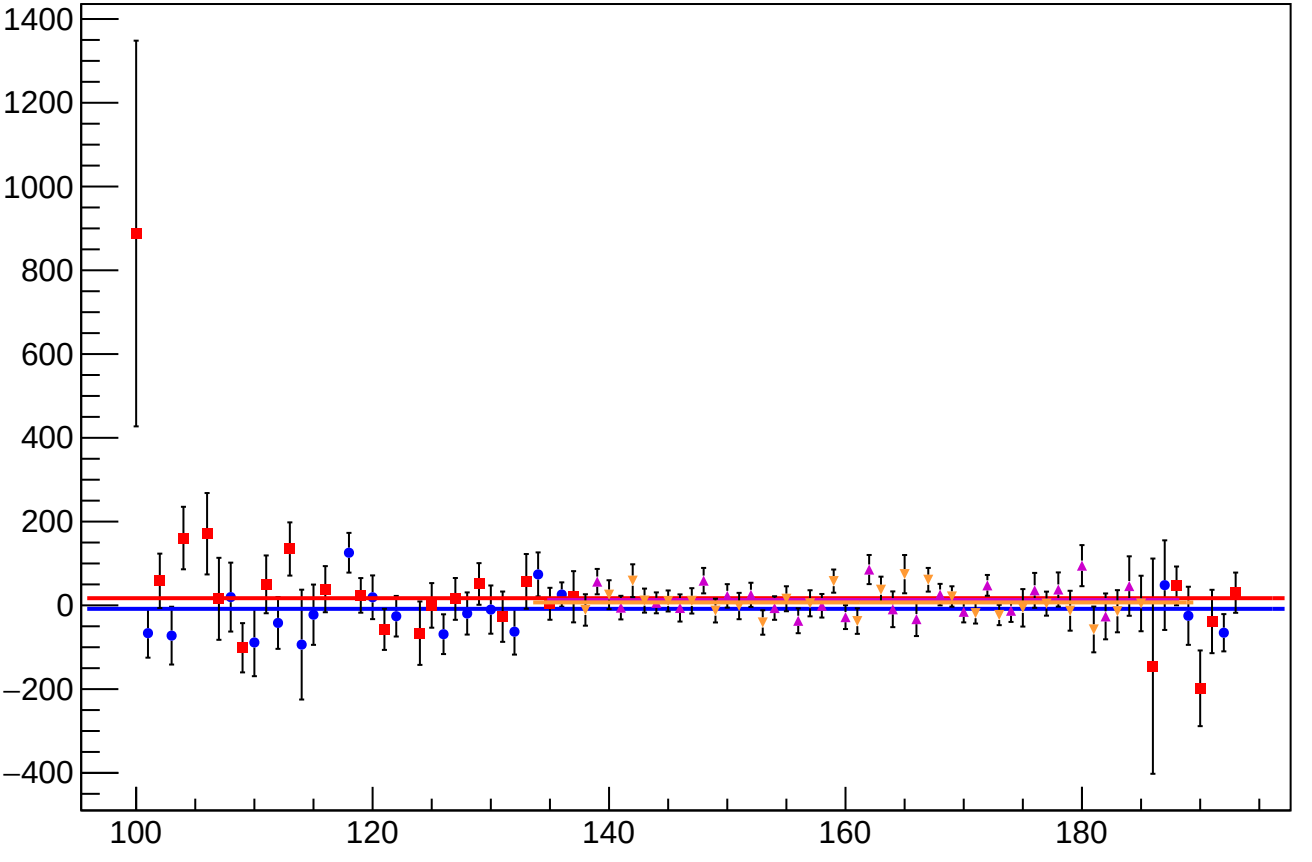
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 184.352+/-0.026 χ^2/NDF: 7499245.3/43

All: 185.817+/-0.019 χ^2/NDF: 16318677.5/90

- sign 187.357+/-0.027 χ^2/NDF: 8813131.1/46

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: 17.096+/-12.199 χ^2/NDF: 30.3/23

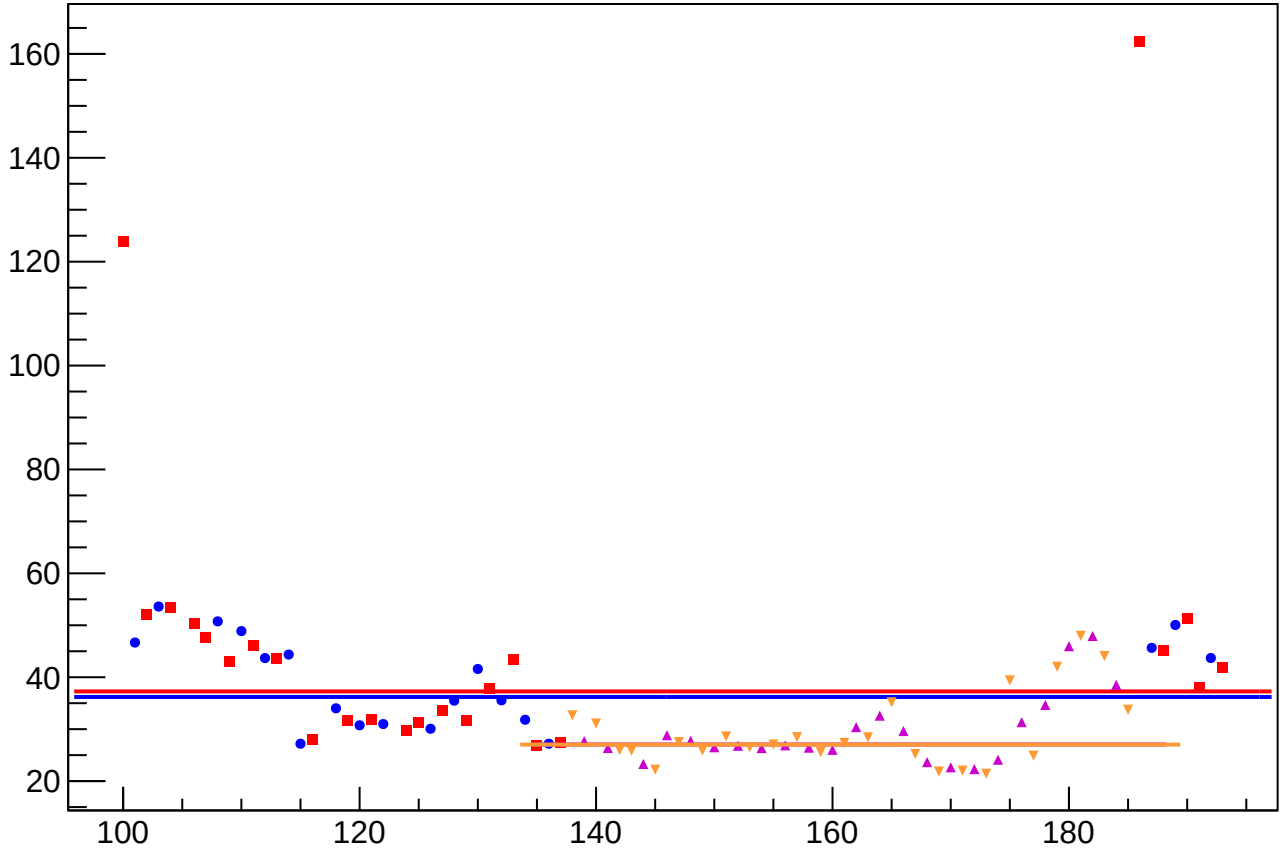
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.941+/-5.652 χ^2/NDF: 44.5/43

All: 8.726+/-4.029 χ^2/NDF: 102.0/90

- sign 13.673+/-5.746 χ^2/NDF: 56.0/46

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: 37.264+/-0.009 χ^2/NDF: 1411469.8/23

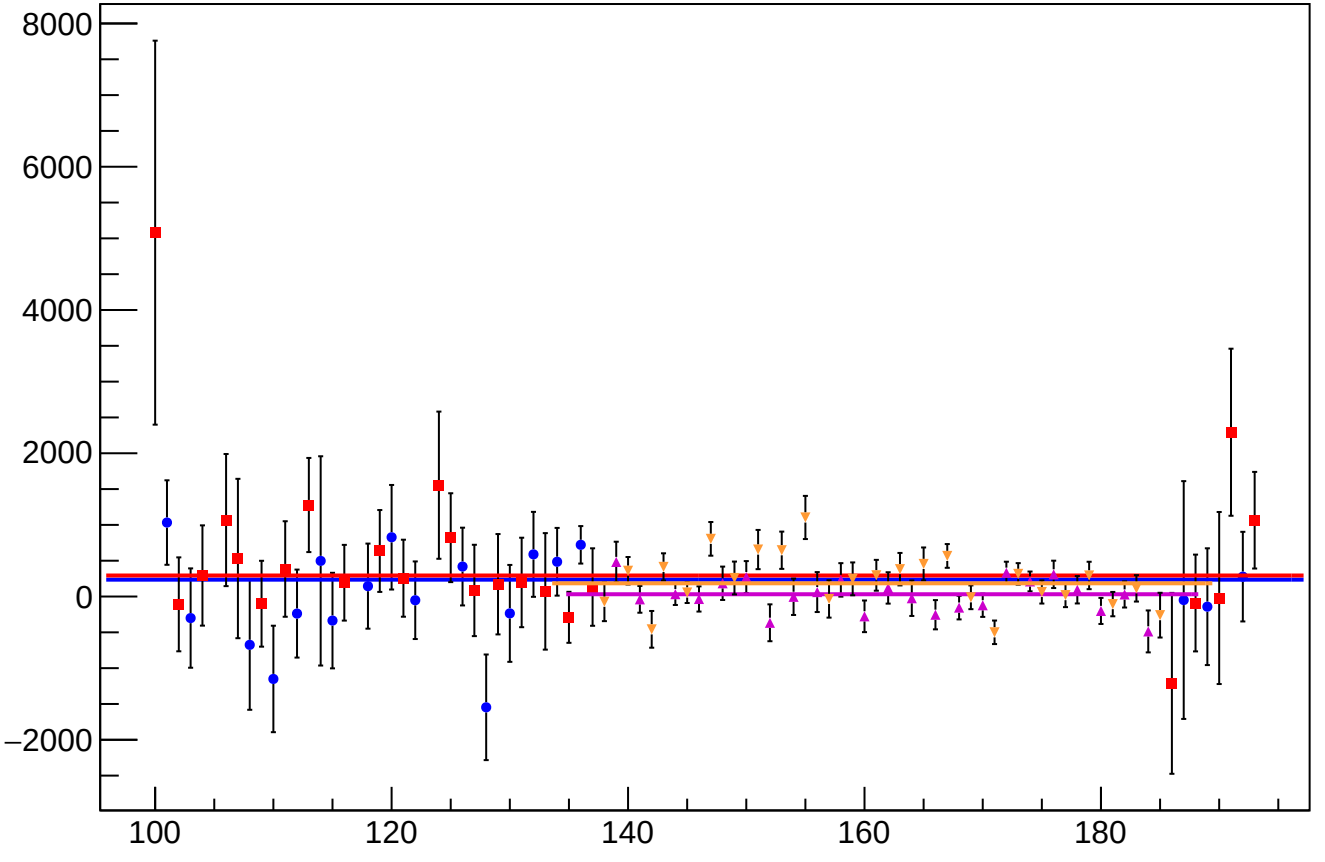
Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 28.894+/-0.004 χ^2/NDF: 3115067.2/43

All: 29.102+/-0.003 χ^2/NDF: 6667096.7/90

- sign 29.318+/-0.004 χ^2/NDF: 3546498.2/46

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 235.424+/-134.542 χ^2/NDF: 20.0/18

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

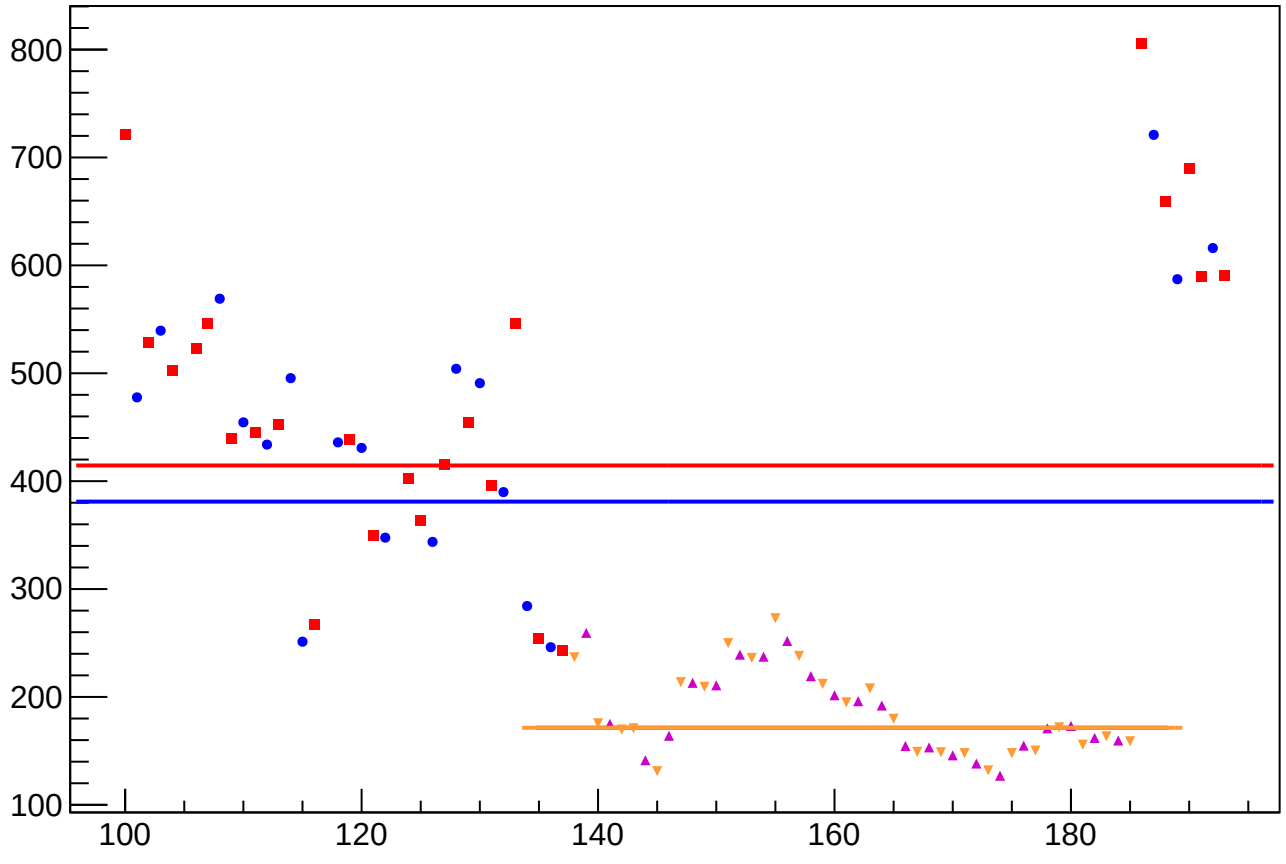
Right Out: 293.493+/-136.318 χ^2/NDF: 18.7/23

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 188.764+/-38.193 χ^2/NDF: 87.8/43

All: 122.995+/-27.369 χ^2/NDF: 142.4/90

- sign 53.568+/-39.241 χ^2/NDF: 48.5/46



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: 414.527+/-0.096 χ^2/NDF: 1796491.4/23

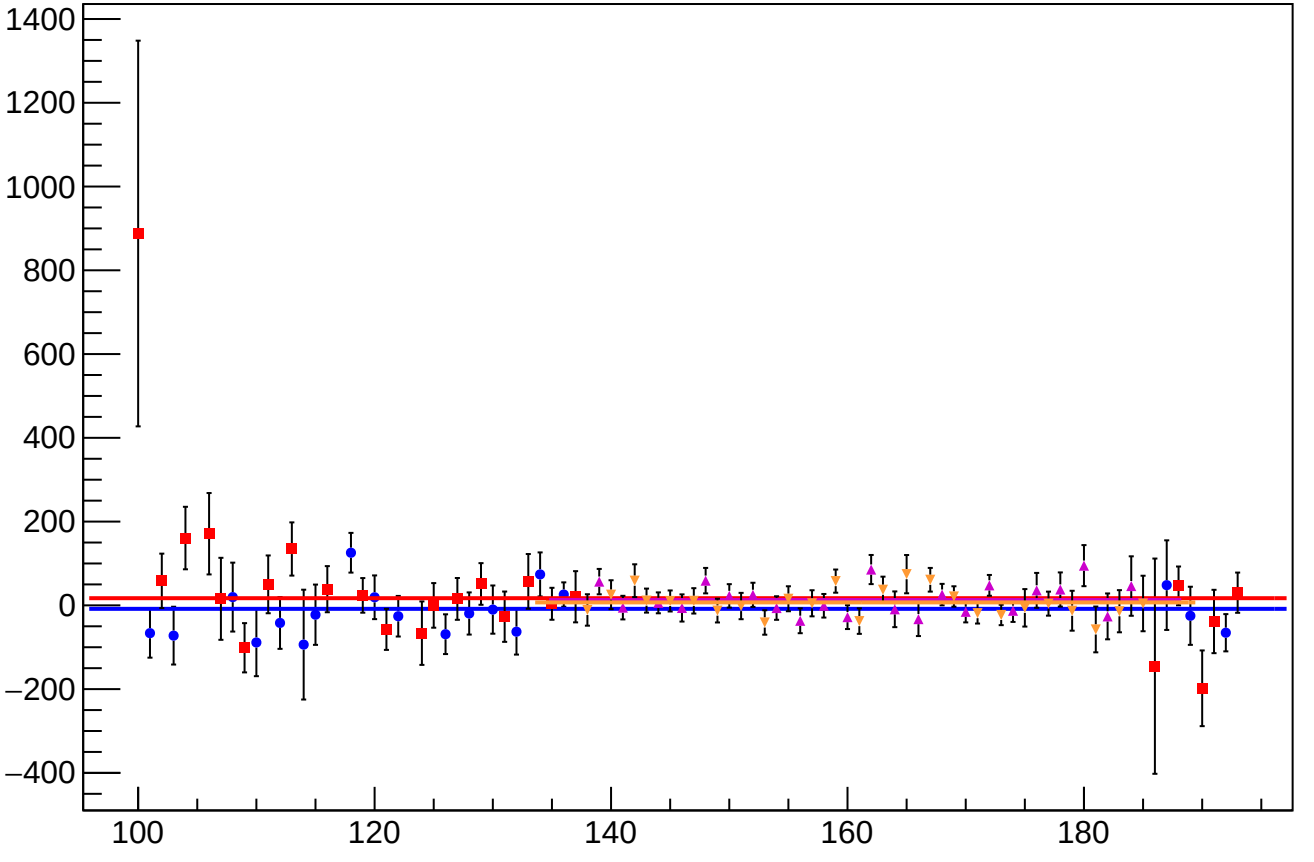
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 188.319+/-0.027 χ^2/NDF: 7619048.1/43

All: 189.929+/-0.019 χ^2/NDF: 16669071.1/90

- sign 191.629+/-0.028 χ^2/NDF: 9042714.7/46

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: 17.095+/-12.199 χ^2/NDF: 30.3/23

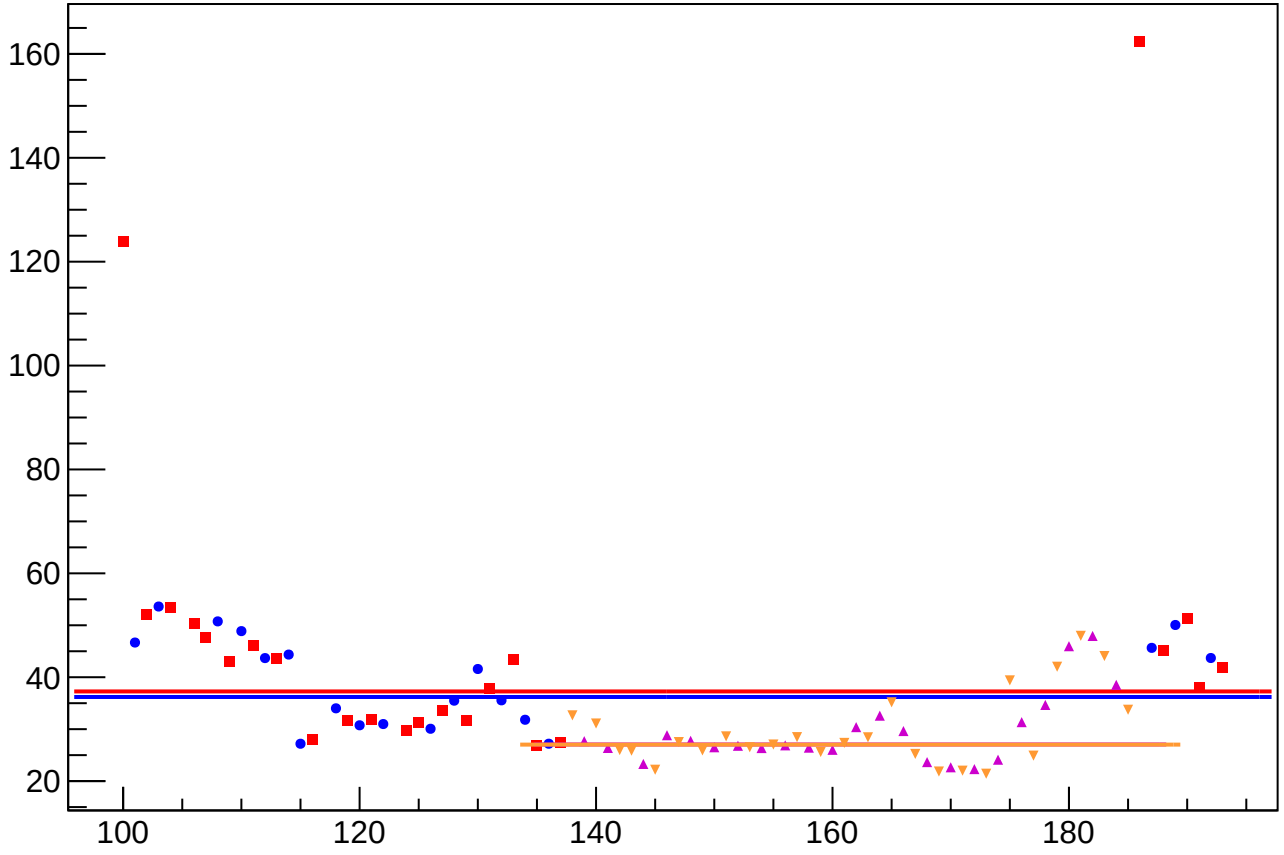
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.941+/-5.652 χ^2/NDF: 44.5/43

All: 8.726+/-4.029 χ^2/NDF: 102.0/90

- sign 13.673+/-5.746 χ^2/NDF: 56.0/46

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

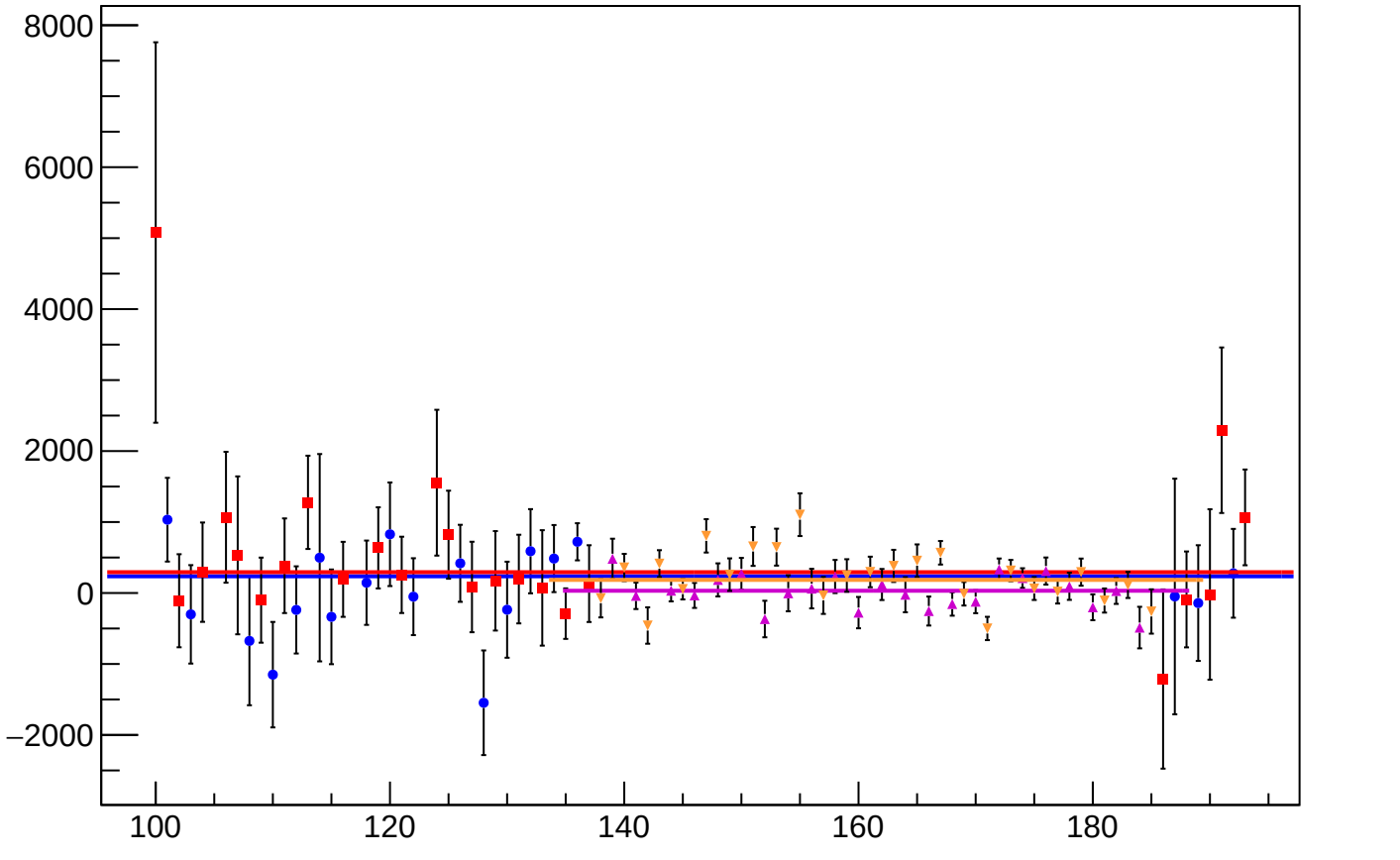
Right Out: 37.264+/-0.009 χ^2/NDF: 1411442.5/23

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 28.894+/-0.004 χ^2/NDF: 3114952.9/43

All: 29.102+/-0.003 χ^2/NDF: 6666843.3/90

- sign 29.318+/-0.004 χ^2/NDF: 3546359.7/46



Right In: 235.422+/-134.542 χ^2/NDF: 20.0/18

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

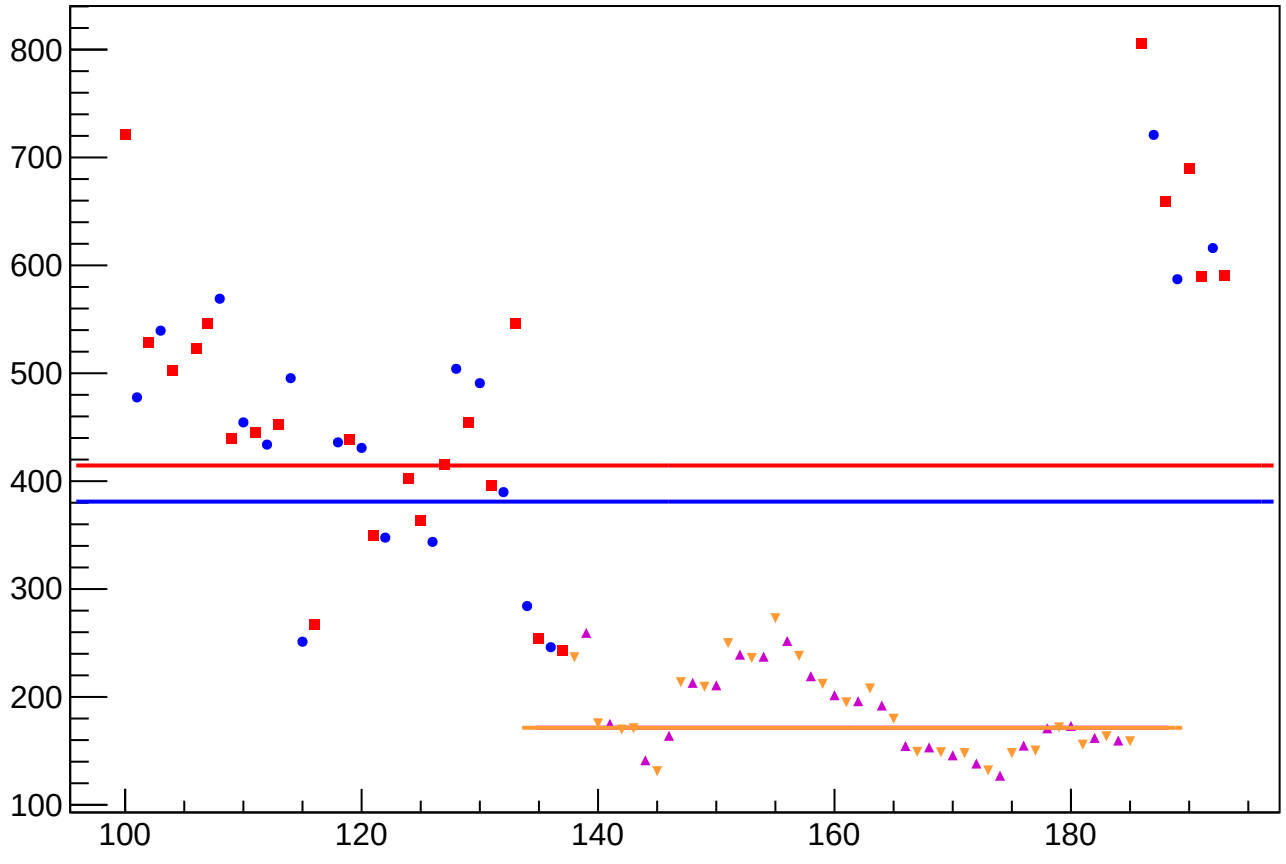
Right Out: 293.493+/-136.318 χ^2/NDF: 18.7/23

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 188.764+/-38.193 χ^2/NDF: 87.8/43

All: 122.994+/-27.369 χ^2/NDF: 142.4/90

- sign 53.568+/-39.240 χ^2/NDF: 48.5/46



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: 414.526+/-0.096 χ^2/NDF: 1796488.8/23

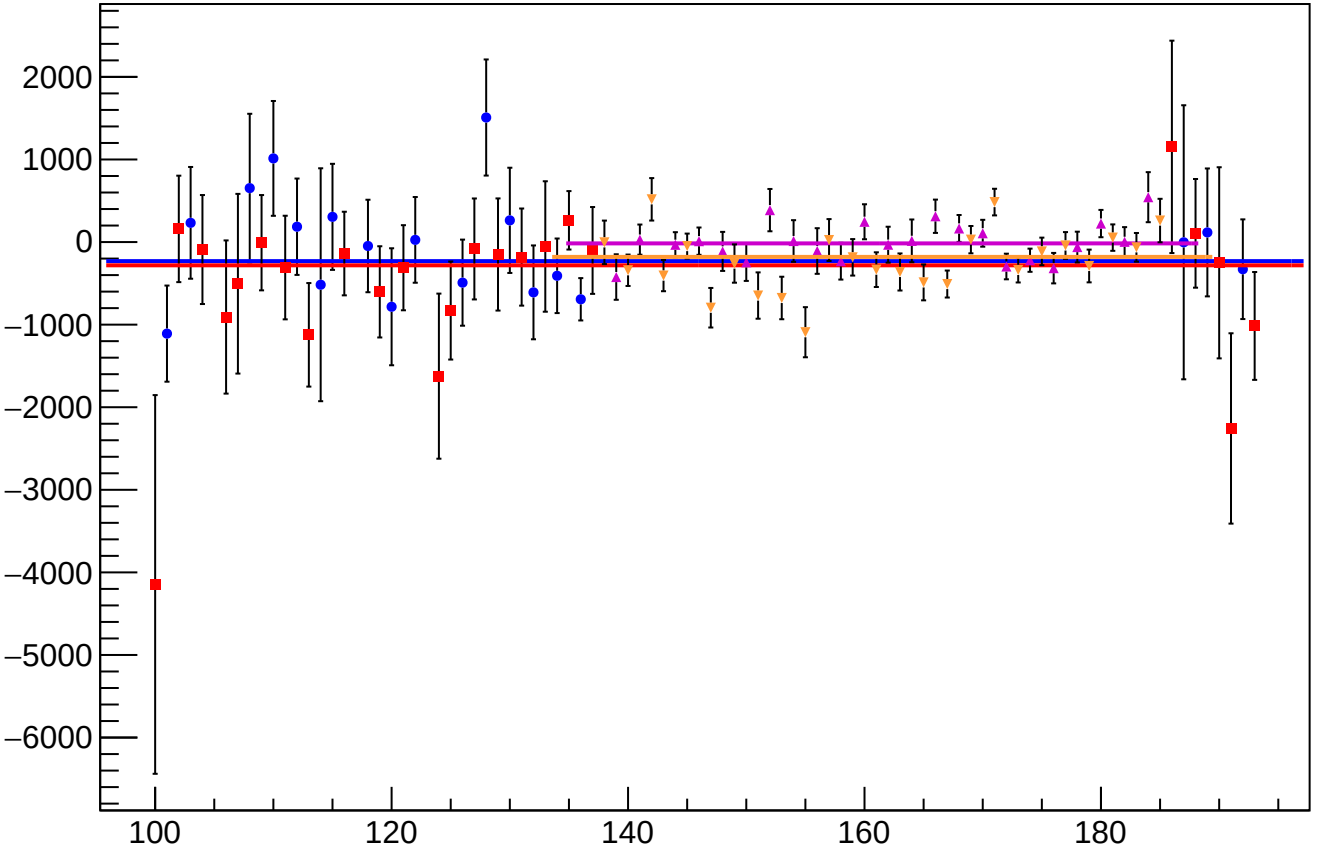
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 188.318+/-0.027 χ^2/NDF: 7619067.0/43

All: 189.928+/-0.019 χ^2/NDF: 16669112.4/90

- sign 191.628+/-0.028 χ^2/NDF: 9042737.5/46

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: -281.542+/-131.900 χ^2/NDF: 17.5/23

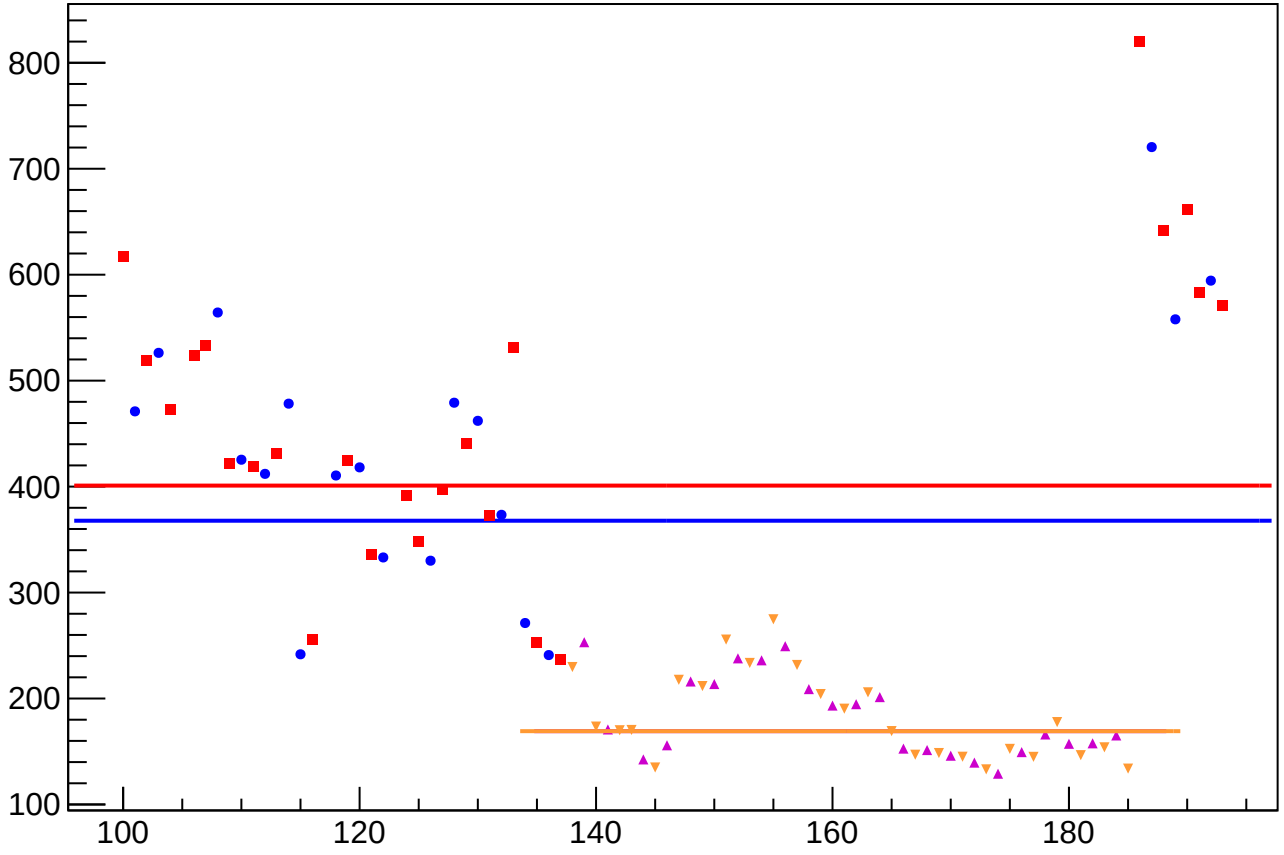
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -183.967+/-37.669 χ^2/NDF: 87.4/43

All: -113.214+/-26.968 χ^2/NDF: 142.5/90

- sign -38.824+/-38.625 χ^2/NDF: 47.8/46

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

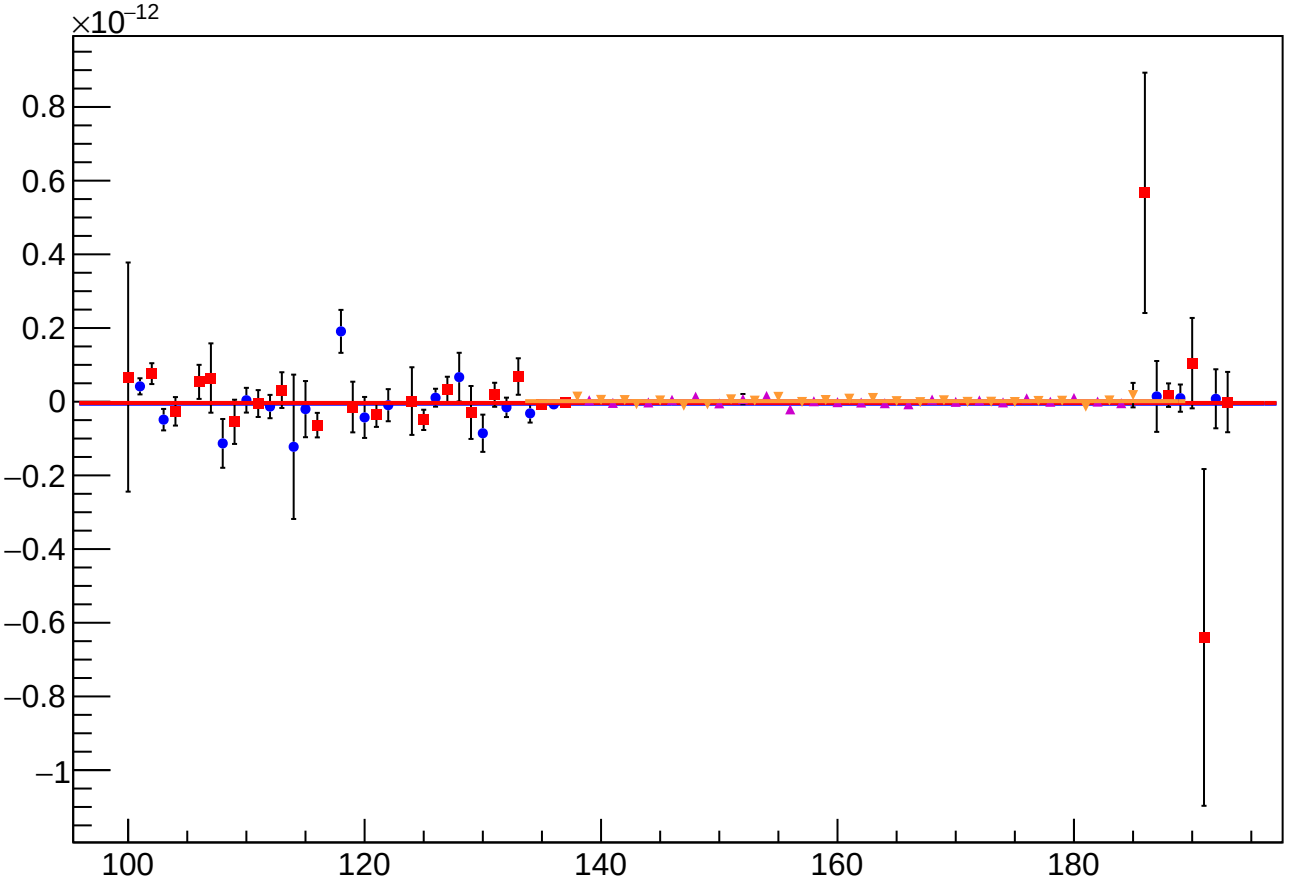
Right Out: 400.954+/-0.093 χ^2/NDF: 1778661.5/23

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 185.912+/-0.027 χ^2/NDF: 7428000.2/43

All: 187.447+/-0.019 χ^2/NDF: 16233513.0/90

- sign 189.062+/-0.027 χ^2/NDF: 8798694.8/46



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

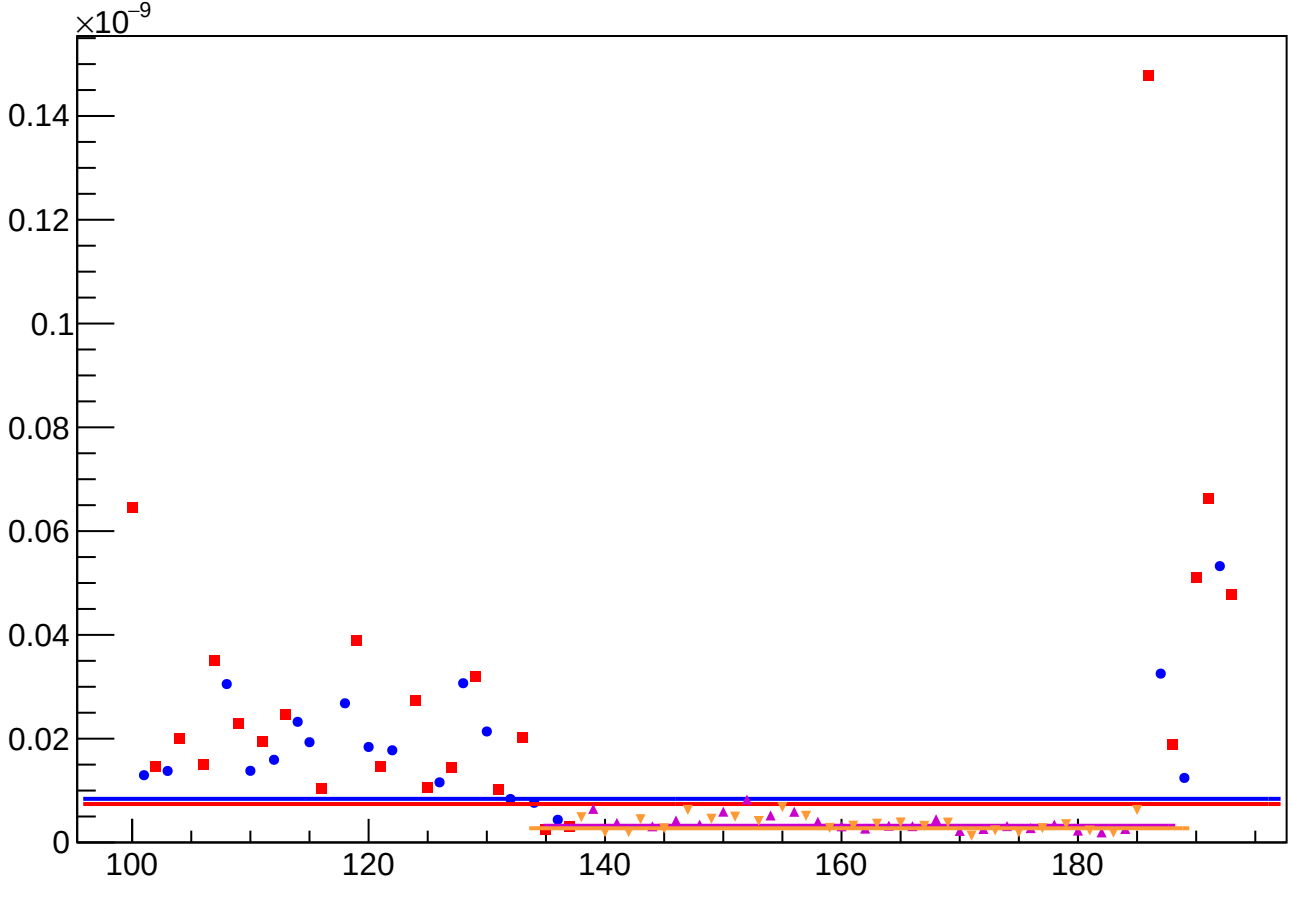
Right Out: -0.000+/-0.000 χ^2/NDF: 29.2/23

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: 97.4/90

- sign 0.000+/-0.000 χ^2/NDF: 49.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 2736456.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

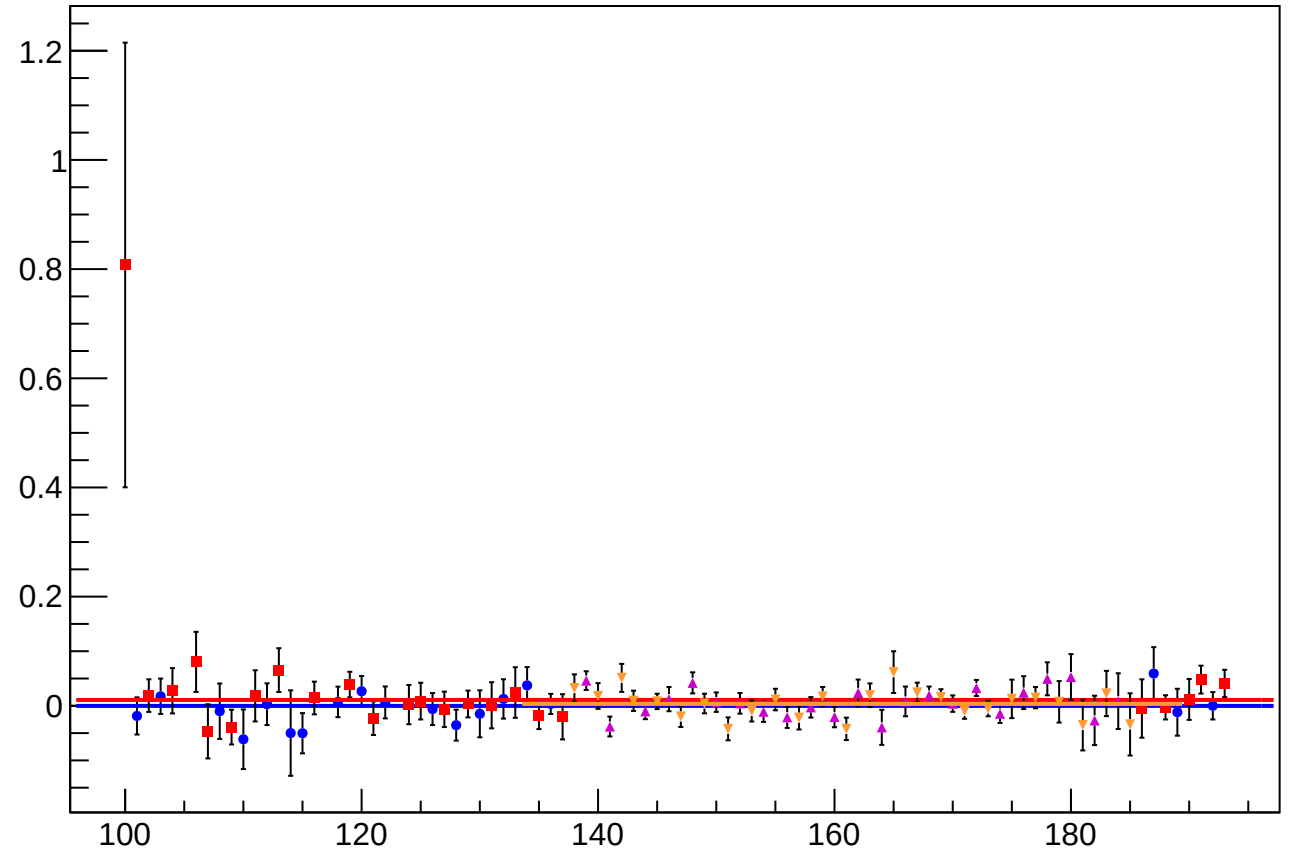
Right Out: 0.000+/-0.000 χ^2/NDF: 4809639.3/23

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: 14058142.0/90

- sign 0.000+/-0.000 χ^2/NDF: 7274935.1/46



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: 0.011+/-0.007 χ^2/NDF: 20.6/23

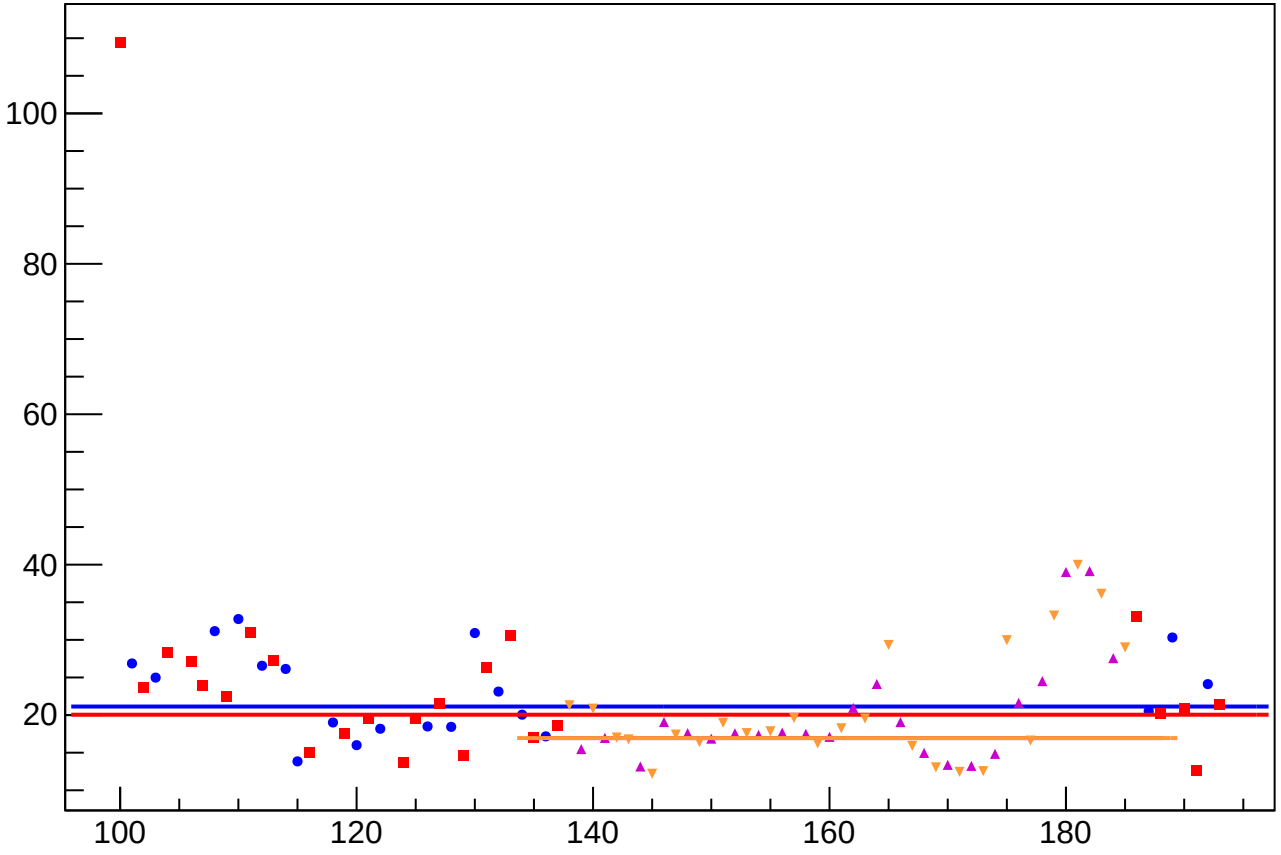
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 37.0/43

All: 0.005+/-0.003 χ^2/NDF: 92.0/90

- sign 0.007+/-0.004 χ^2/NDF: 54.3/46

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

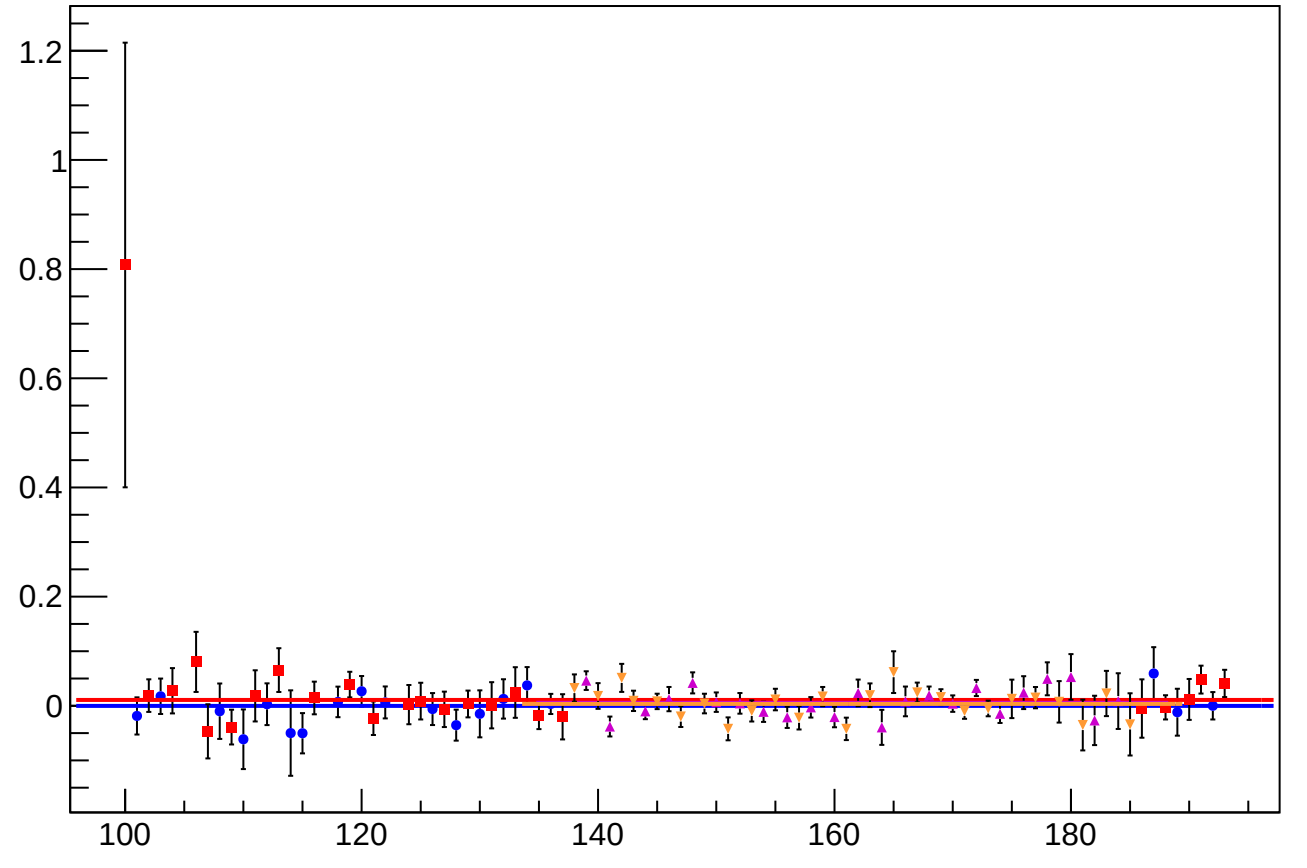
Right Out: 20.048+/-0.005 χ^2/NDF: 1164251.1/23

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.908+/-0.003 χ^2/NDF: 4160583.0/43

All: 17.862+/-0.002 χ^2/NDF: 7576454.9/90

- sign 17.817+/-0.003 χ^2/NDF: 3415223.4/46



Right In: -0.000+/-0.007 χ^2/NDF: 9.9/18

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

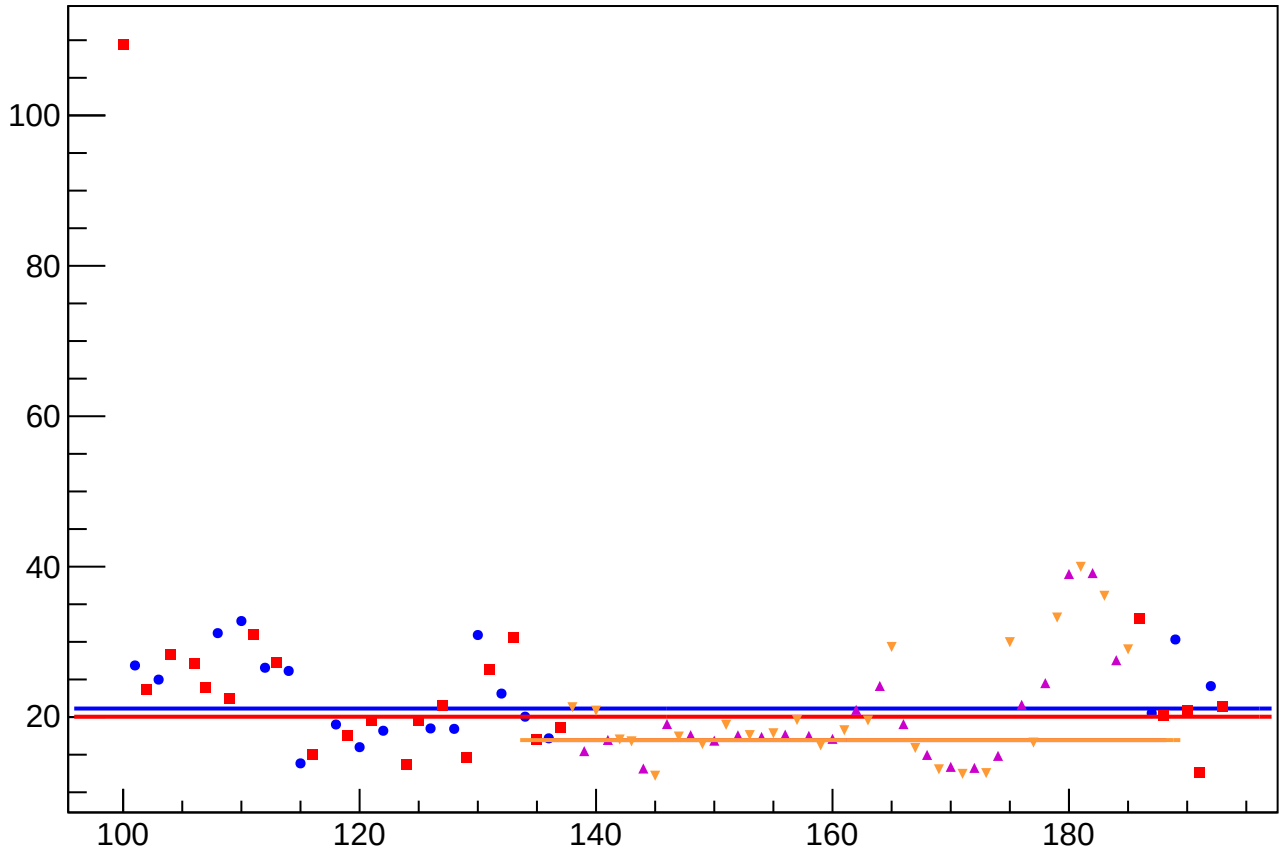
Right Out: 0.011+/-0.007 χ^2/NDF: 20.6/23

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 37.0/43

All: 0.005+/-0.003 χ^2/NDF: 92.0/90

- sign 0.007+/-0.004 χ^2/NDF: 54.3/46



Right In: 21.136+/-0.005 χ^2/NDF: 837481.6/18

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

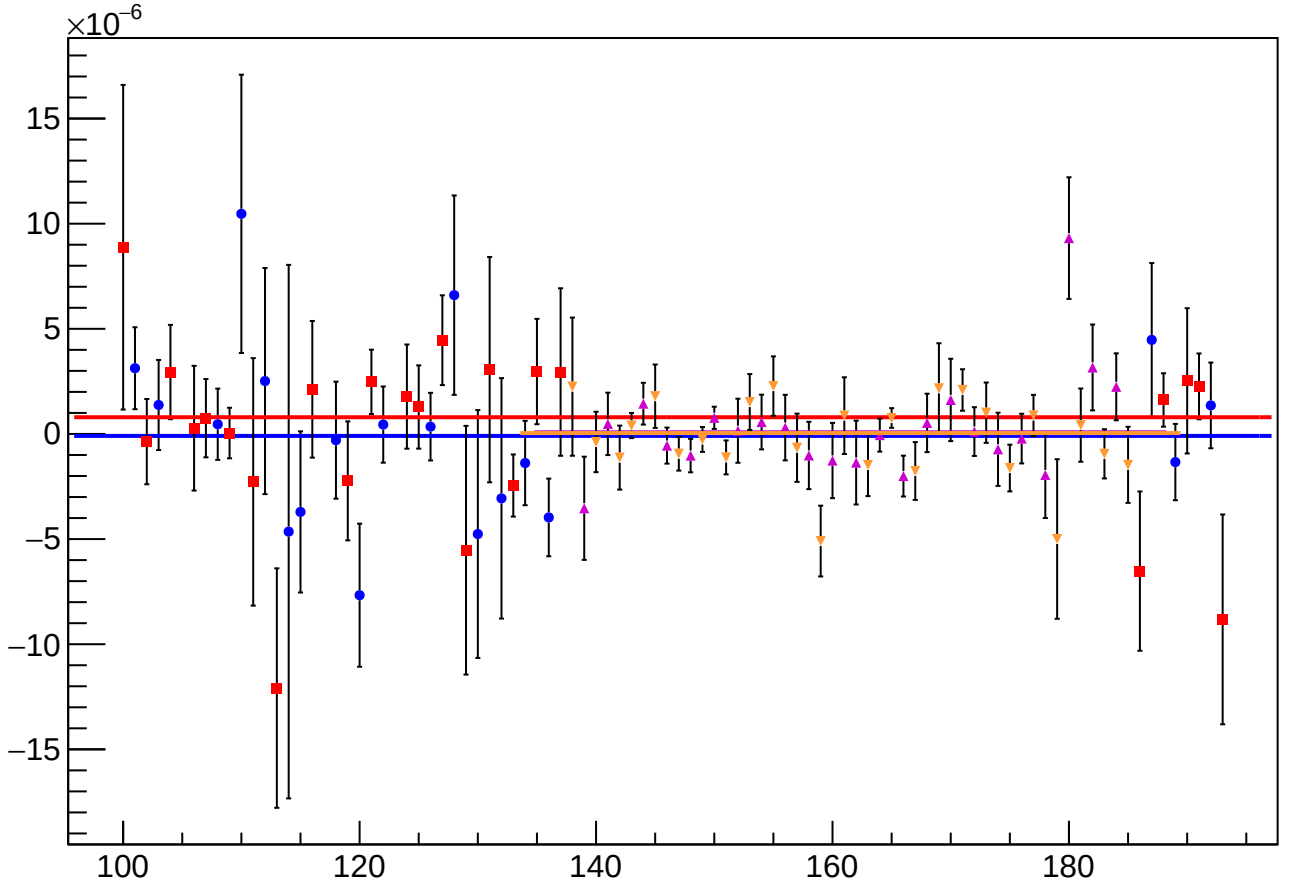
Right Out: 20.048+/-0.005 χ^2/NDF: 1164251.1/23

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.908+/-0.003 χ^2/NDF: 4160583.0/43

All: 17.862+/-0.002 χ^2/NDF: 7576454.9/90

- sign 17.817+/-0.003 χ^2/NDF: 3415223.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

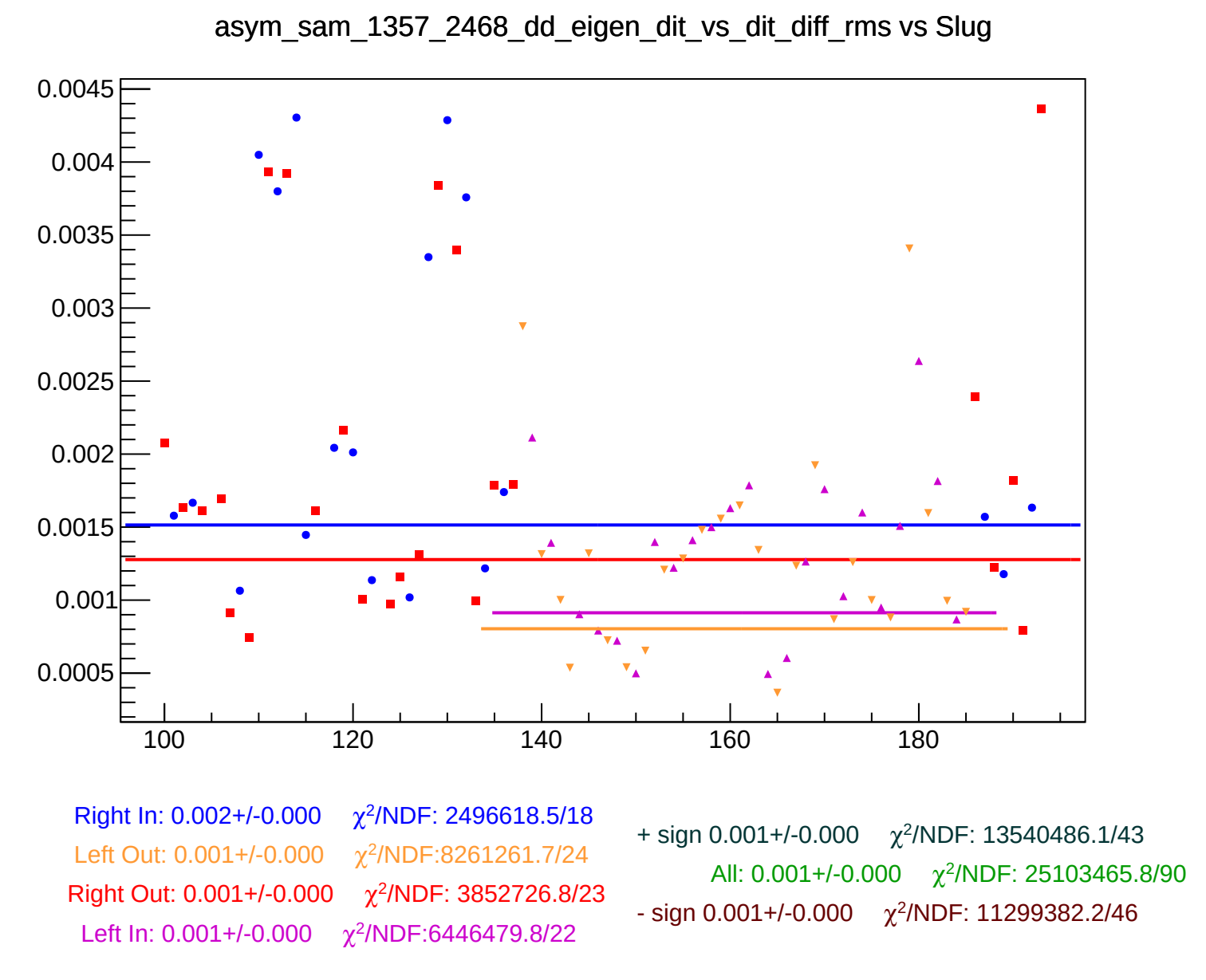
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/23

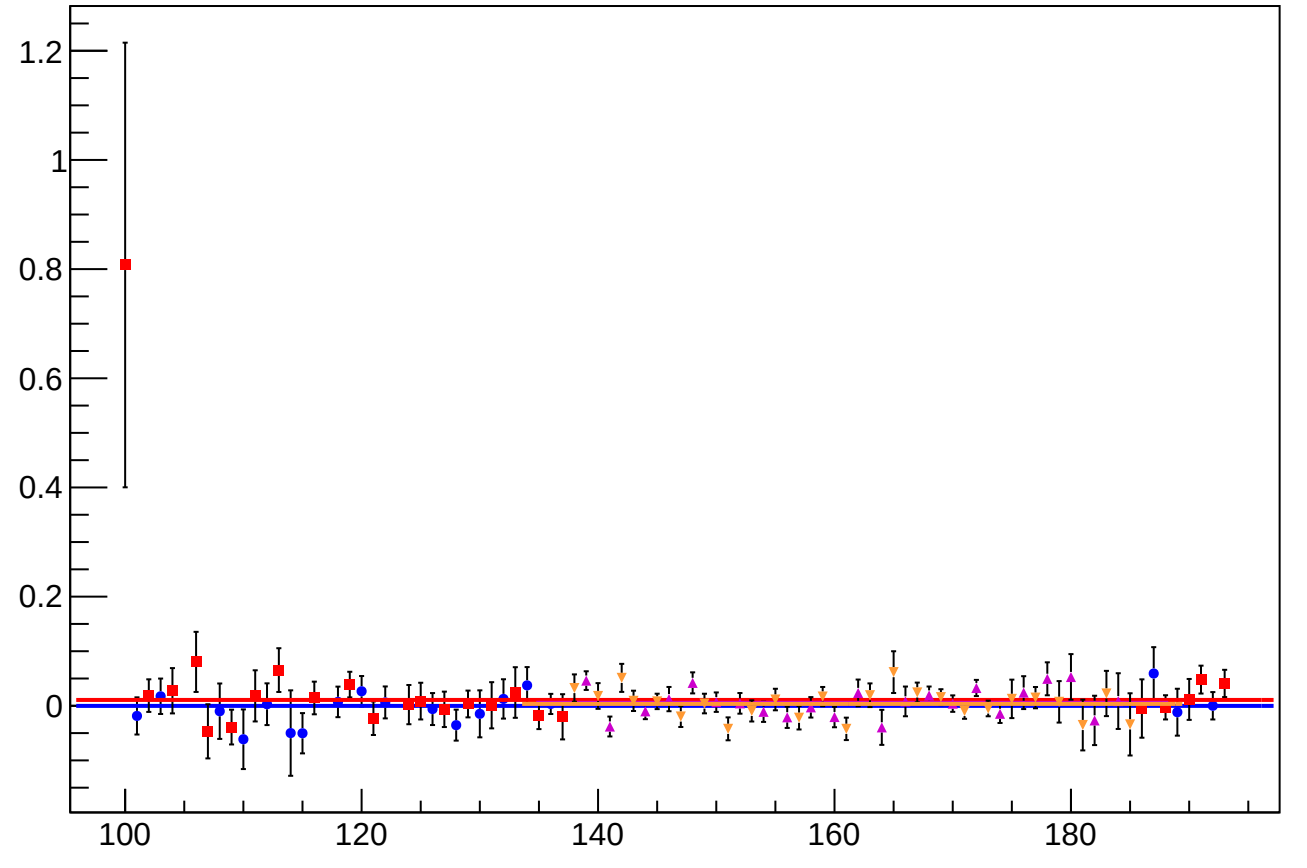
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.7/43

All: 0.000+/-0.000 χ^2/NDF: 123.2/90

- sign 0.000+/-0.000 χ^2/NDF: 62.9/46


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: 3852726.8/23
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: 25103465.8/90
- sign 0.001+/-0.000 χ²/NDF: 11299382.2/46



Right In: -0.000+/-0.007 χ^2/NDF: 9.9/18

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

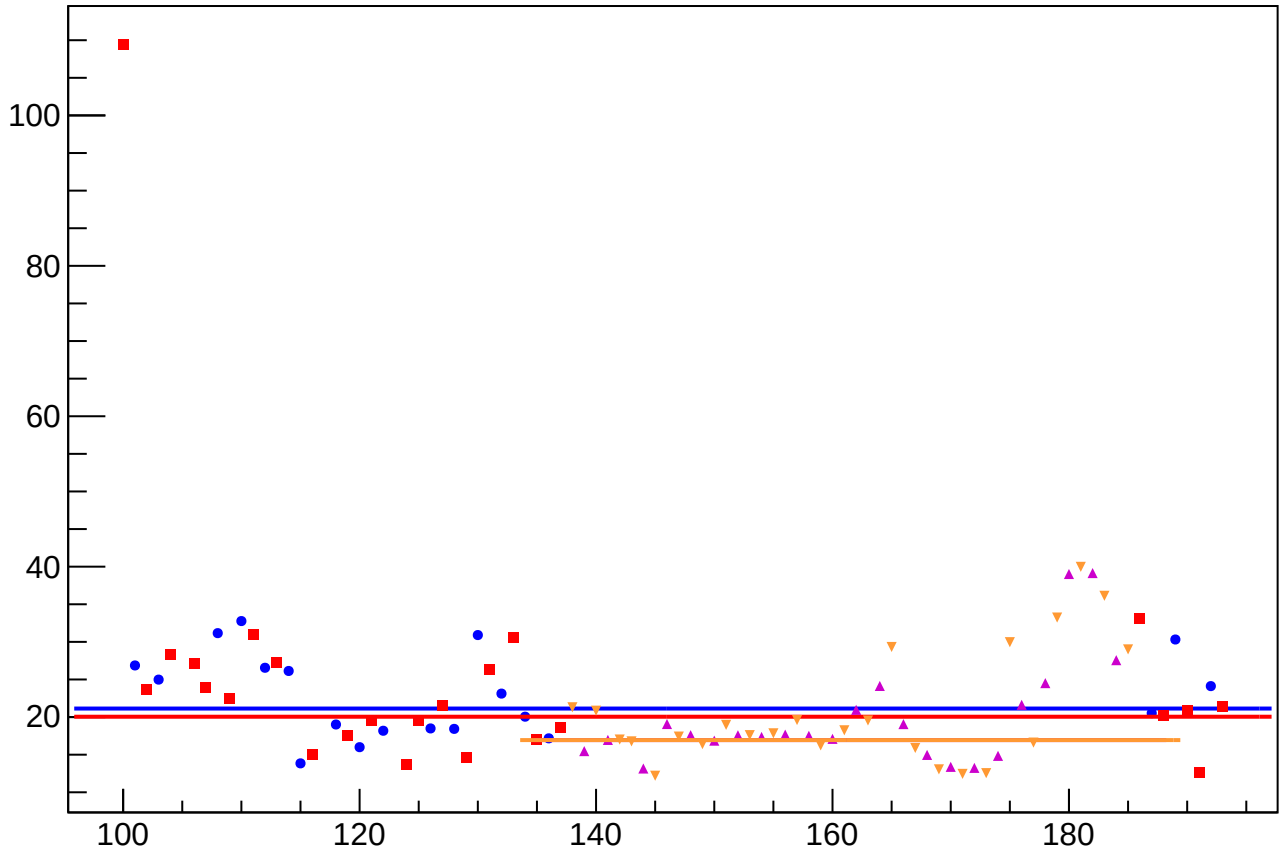
Right Out: 0.011+/-0.007 χ^2/NDF: 20.6/23

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 37.0/43

All: 0.005+/-0.003 χ^2/NDF: 92.0/90

- sign 0.007+/-0.004 χ^2/NDF: 54.3/46



Right In: 21.135+/-0.005 χ^2/NDF: 837381.2/18

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

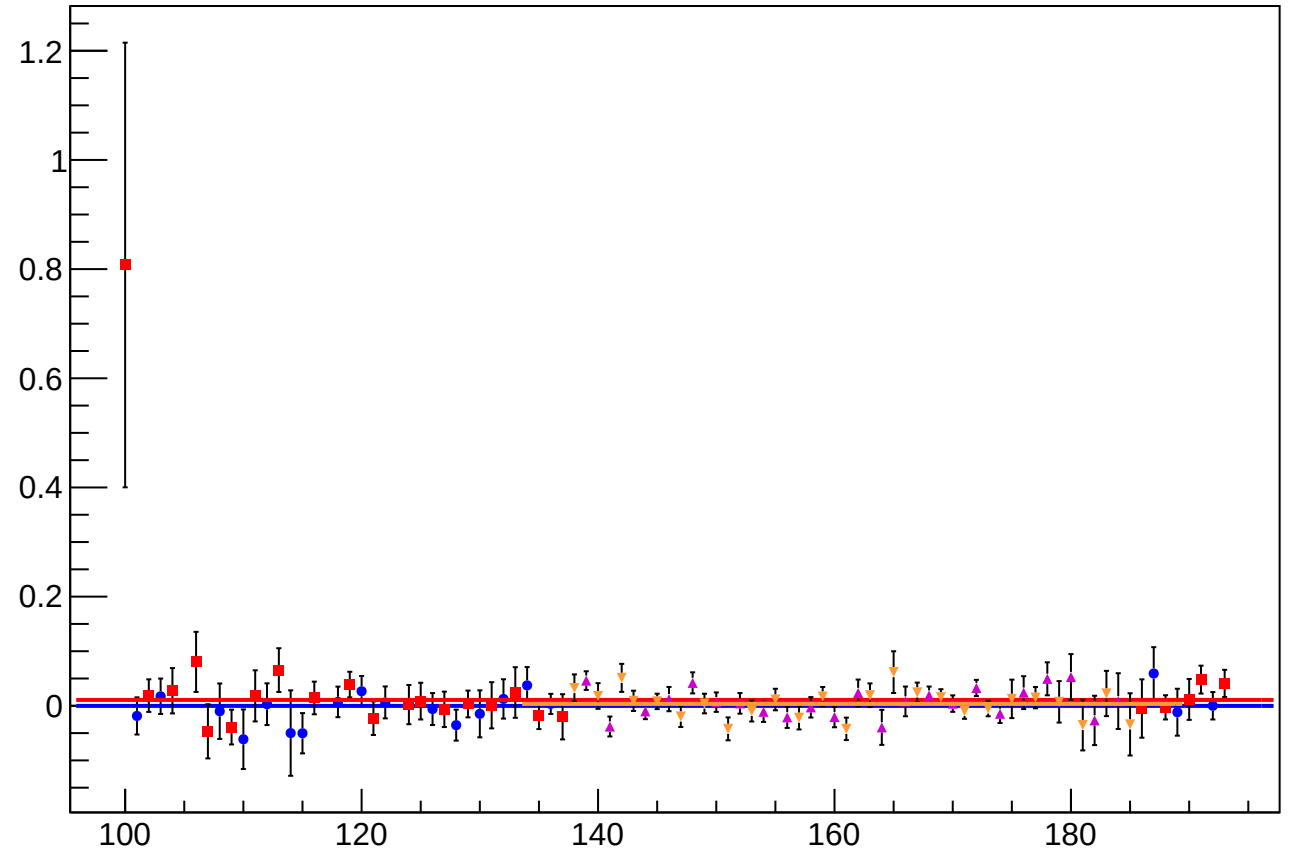
Right Out: 20.047+/-0.005 χ^2/NDF: 1164213.6/23

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.908+/-0.003 χ^2/NDF: 4160320.4/43

All: 17.862+/-0.002 χ^2/NDF: 7576012.4/90

- sign 17.817+/-0.003 χ^2/NDF: 3415041.9/46



Right In: -0.000+/-0.007 χ^2/NDF: 9.9/18

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

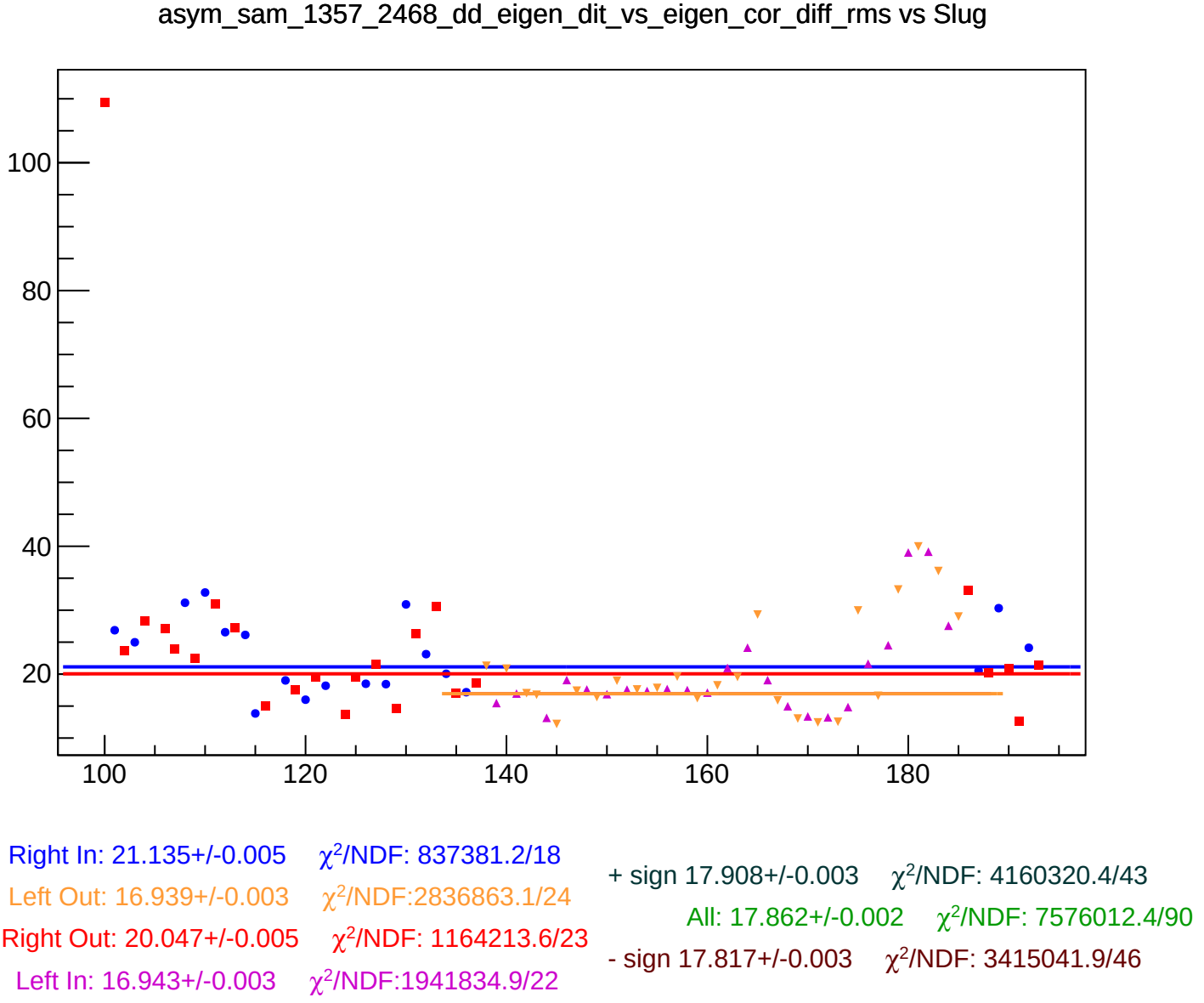
Right Out: 0.011+/-0.007 χ^2/NDF: 20.6/23

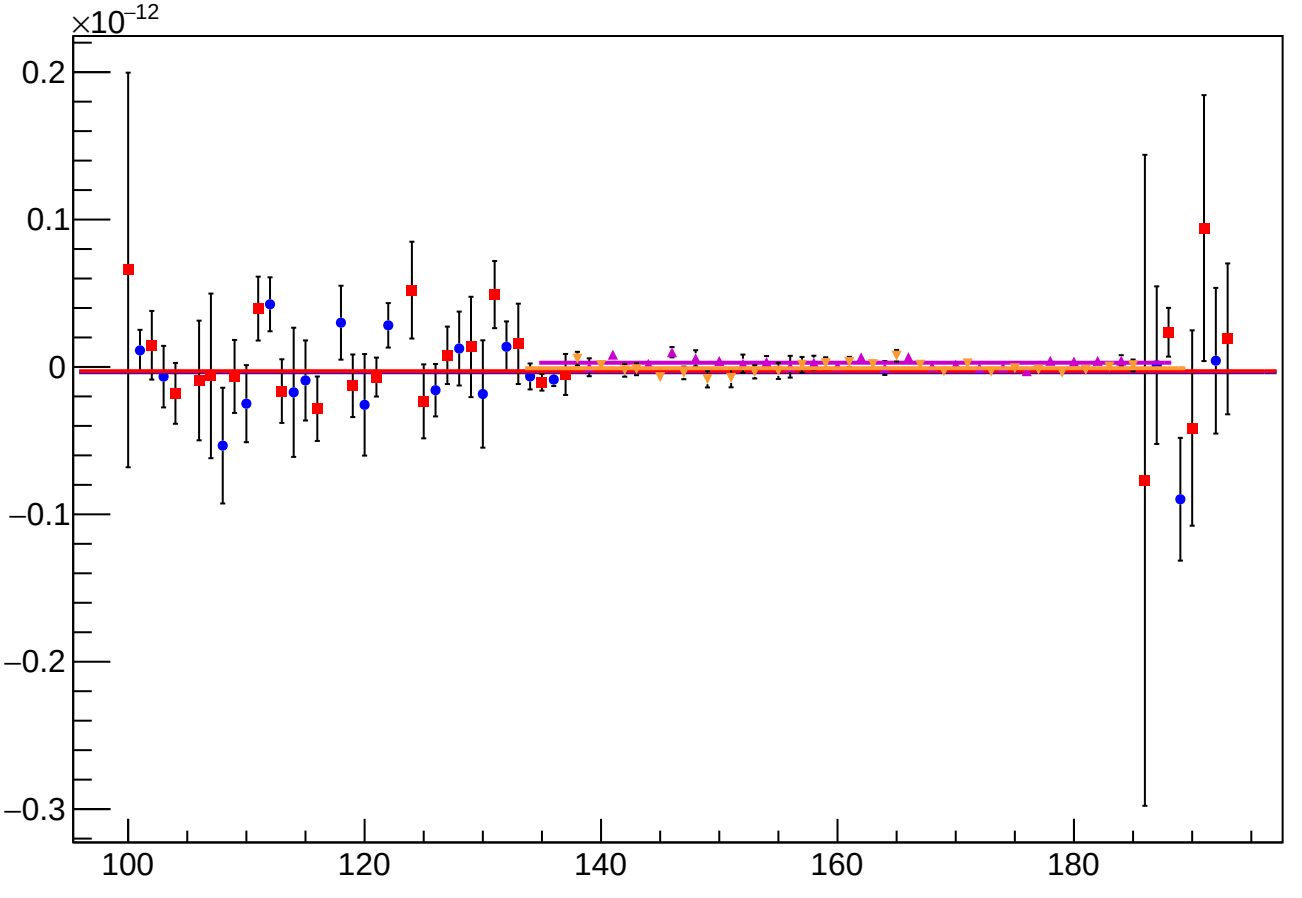
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 37.0/43

All: 0.005+/-0.003 χ^2/NDF: 92.0/90

- sign 0.007+/-0.004 χ^2/NDF: 54.3/46


asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
100
80
60
40
20
100
120
140
160
180
Right In: 21.135+/-0.005 χ²/NDF: 837381.2/18
Left Out: 16.939+/-0.003 χ²/NDF:2836863.1/24
Right Out: 20.047+/-0.005 χ²/NDF: 1164213.6/23
Left In: 16.943+/-0.003 χ²/NDF:1941834.9/22
+ sign 17.908+/-0.003 χ²/NDF: 4160320.4/43
All: 17.862+/-0.002 χ²/NDF: 7576012.4/90
- sign 17.817+/-0.003 χ²/NDF: 3415041.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

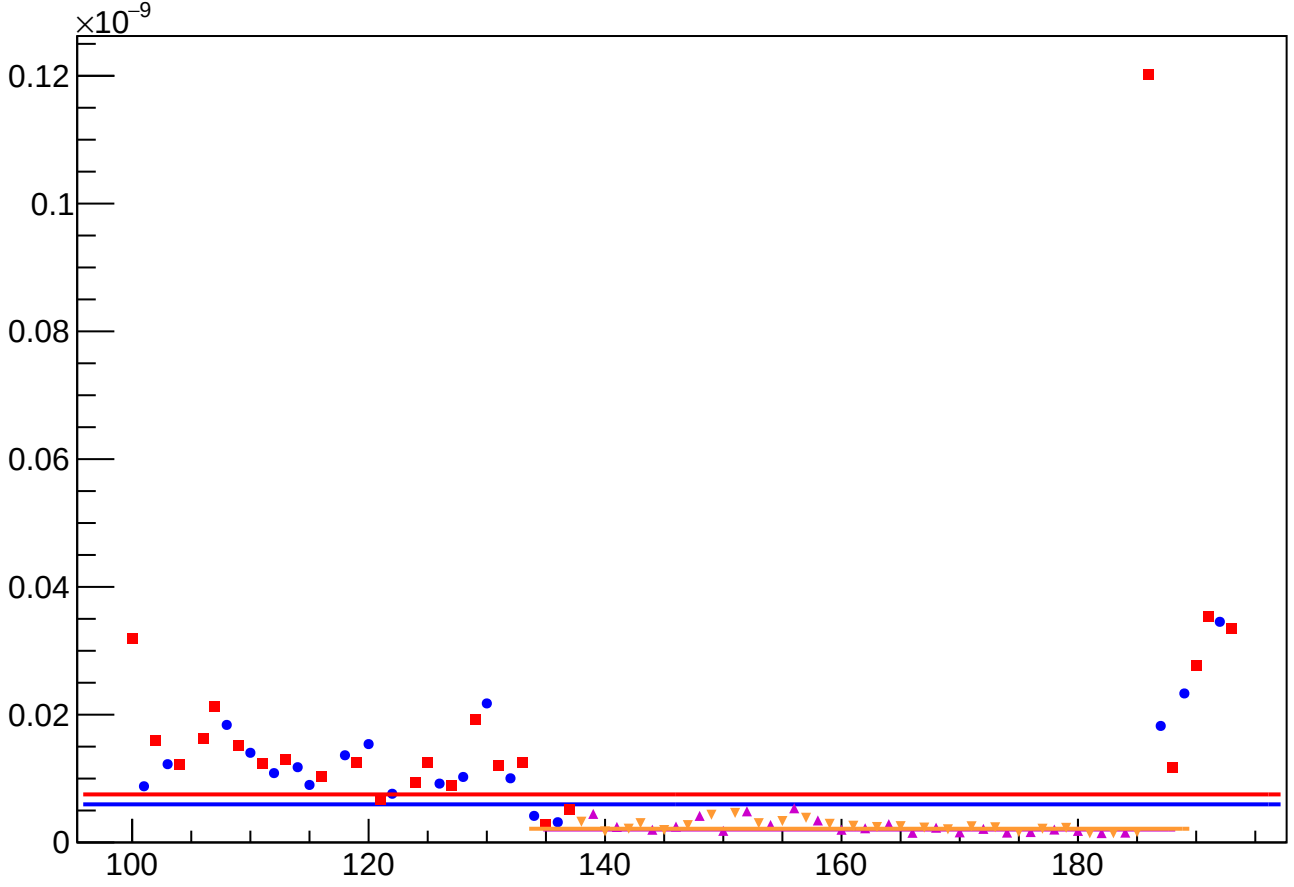
Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/23

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: 114.4/90

- sign 0.000+/-0.000 χ^2/NDF: 48.5/46



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: 4688505.9/23

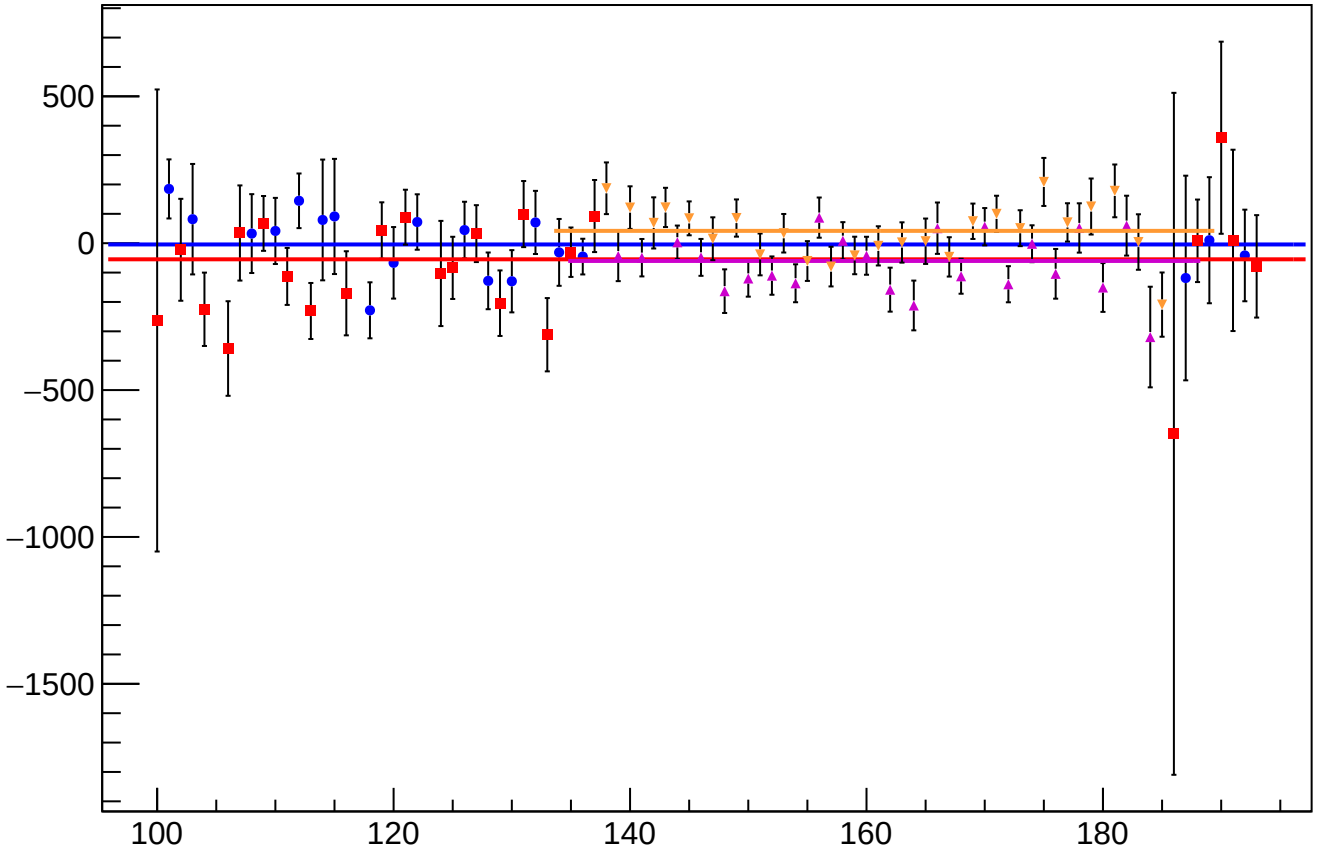
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8711456.3/43

All: 0.000+/-0.000 χ^2/NDF: 20004150.3/90

- sign 0.000+/-0.000 χ^2/NDF: 11259598.9/46

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: -54.819+/-25.475 χ^2/NDF: 27.9/23

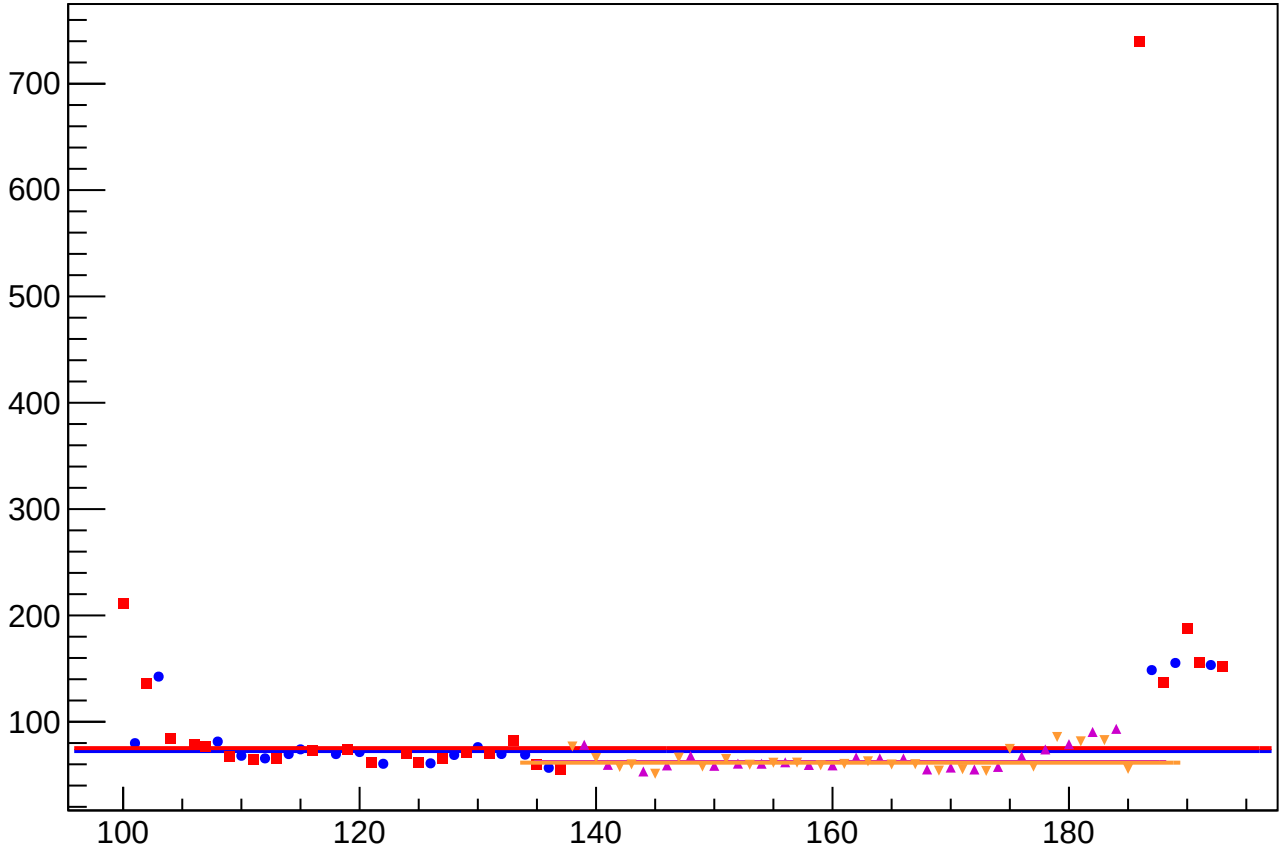
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.145+/-12.404 χ^2/NDF: 52.4/43

All: -12.714+/-8.888 χ^2/NDF: 138.2/90

- sign -58.986+/-12.741 χ^2/NDF: 60.1/46

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

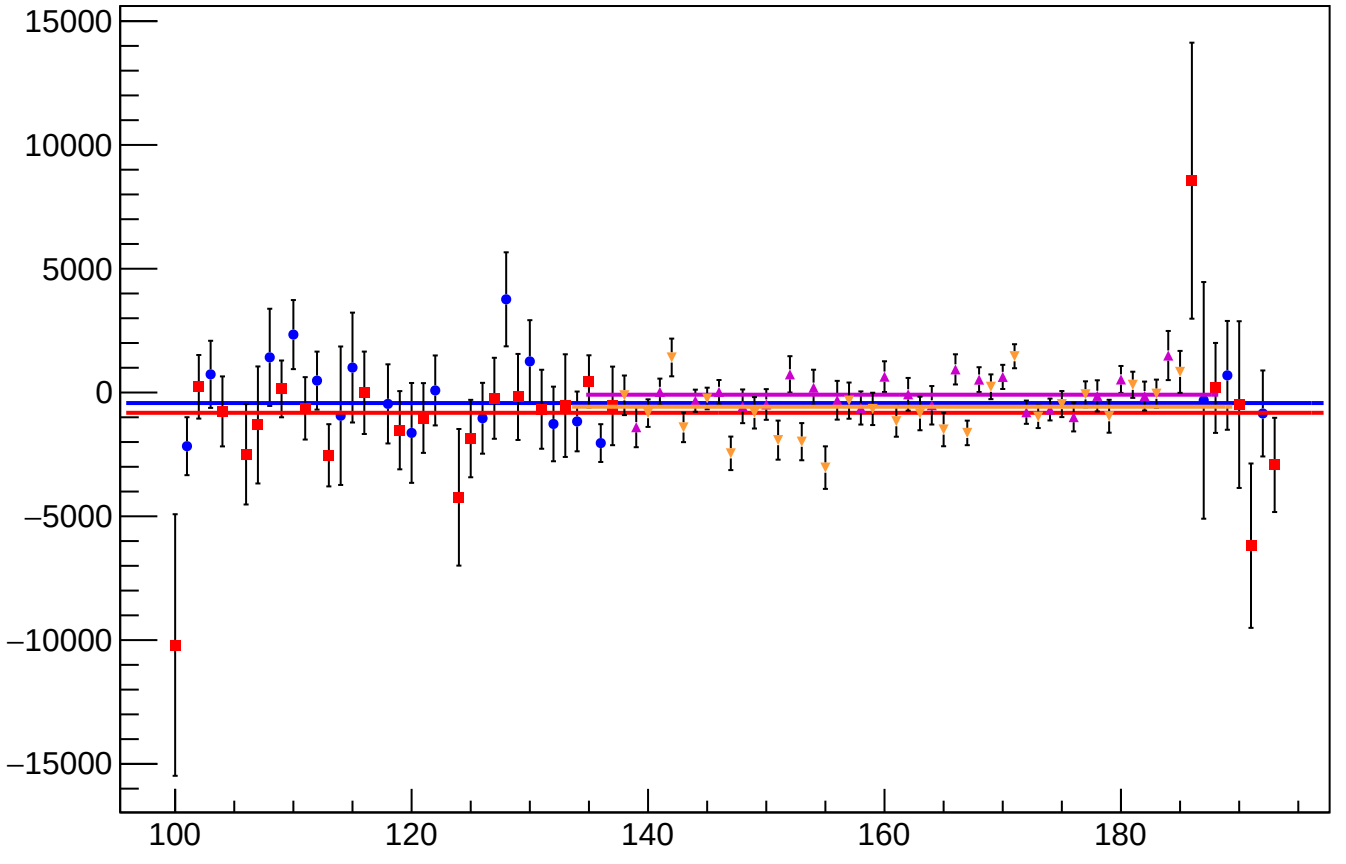
Right Out: 75.214+/-0.018 χ^2/NDF: 2409738.6/23

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.106+/-0.009 χ^2/NDF: 2365855.6/43

All: 64.743+/-0.006 χ^2/NDF: 5777853.4/90

- sign 65.414+/-0.009 χ^2/NDF: 3401190.9/46



Right In: -425.642+/-337.135 χ^2/NDF: 20.9/18

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

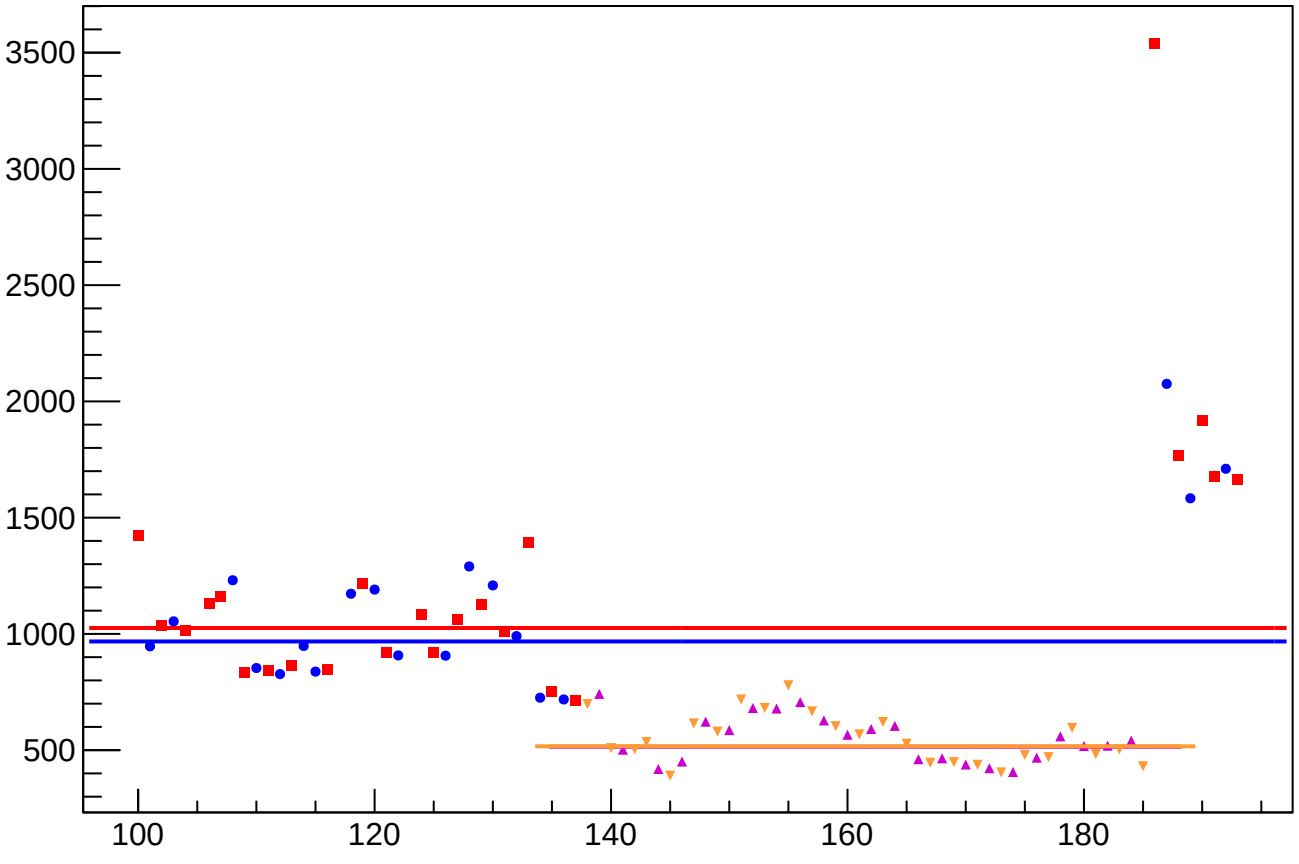
Right Out: -819.233+/-336.855 χ^2/NDF: 18.3/23

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -558.109+/-112.831 χ^2/NDF: 89.8/43

All: -369.756+/-80.580 χ^2/NDF: 142.6/90

- sign -173.694+/-115.118 χ^2/NDF: 47.1/46



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: 1025.575+/-0.238 χ^2/NDF: 1695799.5/23

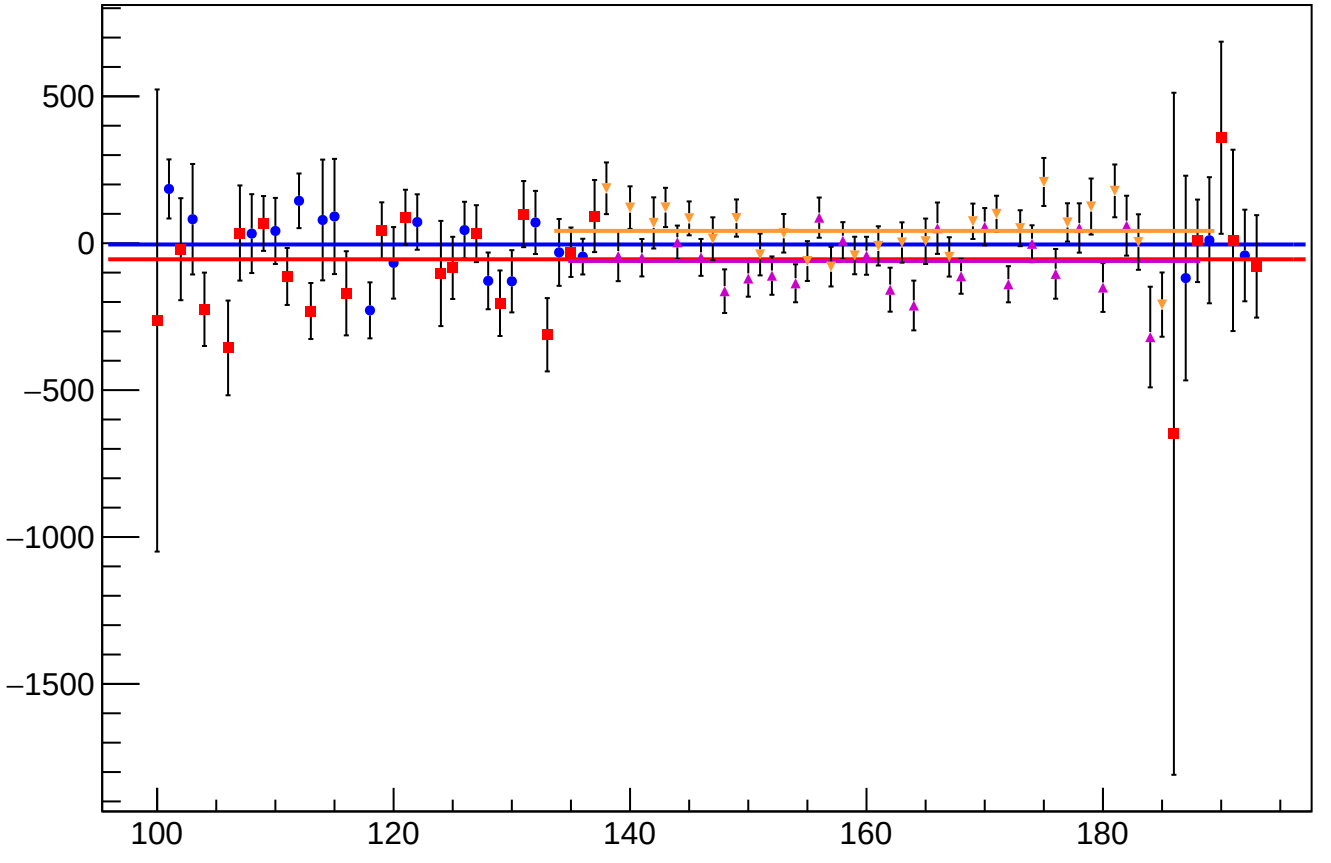
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 567.143+/-0.080 χ^2/NDF: 5625173.1/43

All: 570.716+/-0.057 χ^2/NDF: 12507137.0/90

- sign 574.436+/-0.081 χ^2/NDF: 6877870.8/46

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: -54.703+/-25.476 χ^2/NDF: 27.8/23

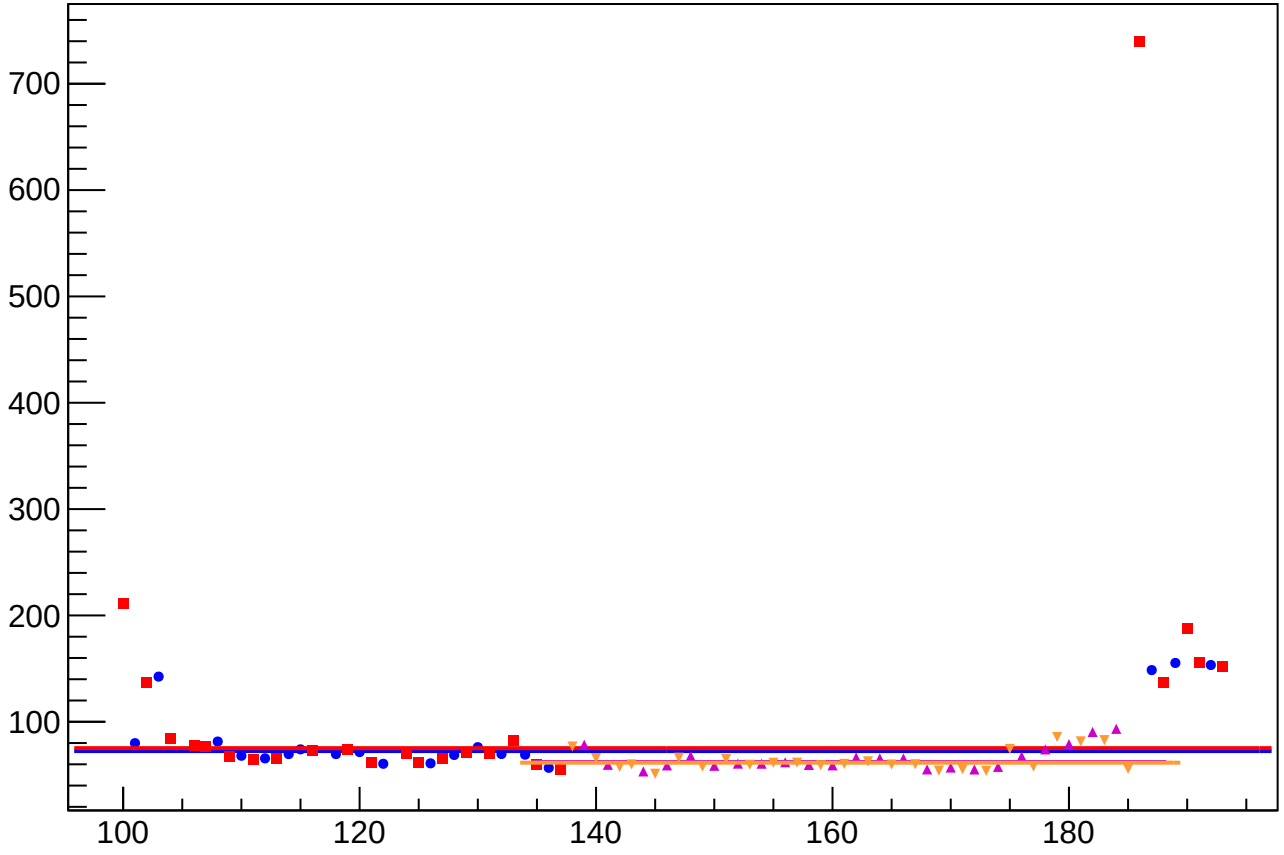
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.147+/-12.404 χ^2/NDF: 52.4/43

All: -12.698+/-8.888 χ^2/NDF: 138.1/90

- sign -58.957+/-12.741 χ^2/NDF: 60.0/46

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

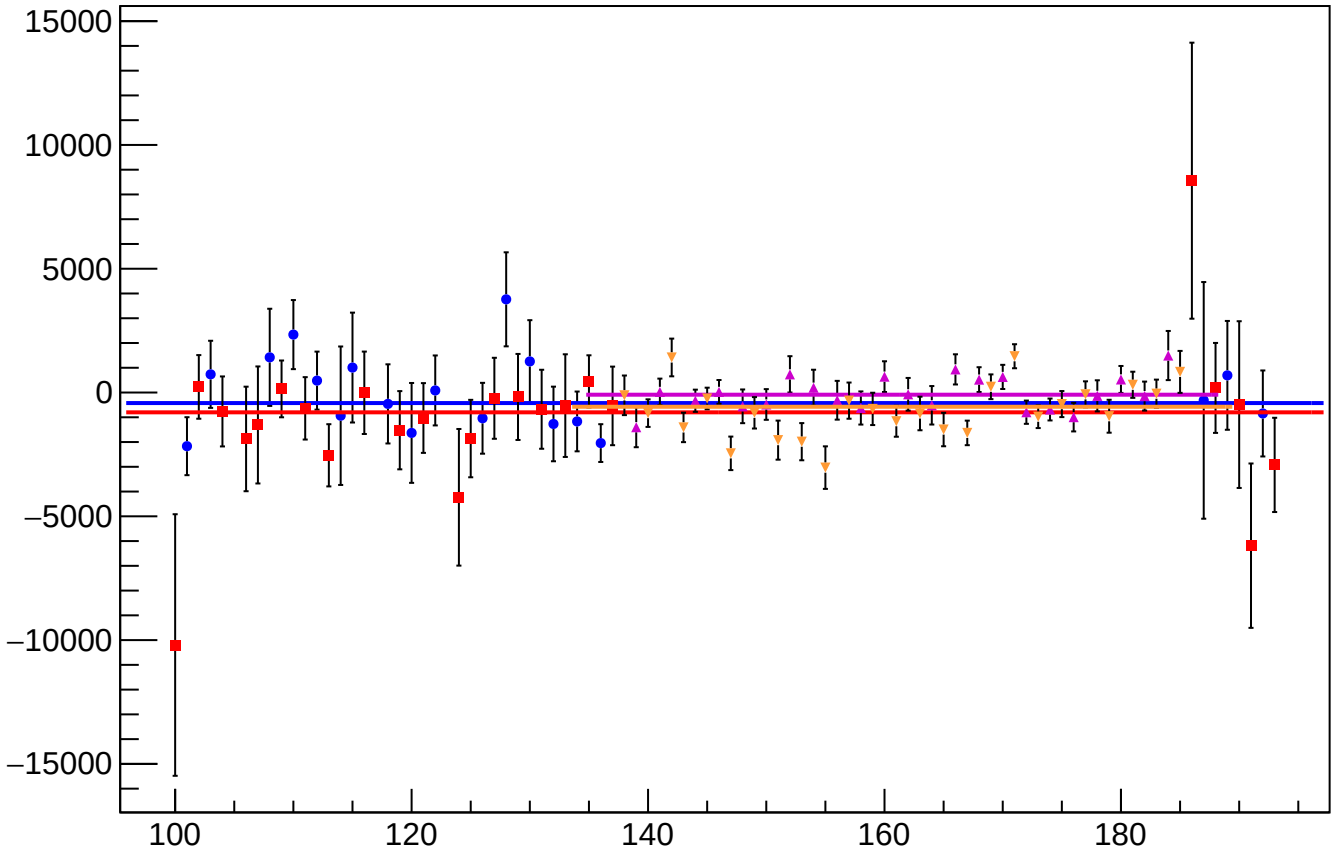
Right Out: 75.196+/-0.018 χ^2/NDF: 2409735.5/23

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.106+/-0.009 χ^2/NDF: 2365858.6/43

All: 64.740+/-0.006 χ^2/NDF: 5776697.2/90

- sign 65.409+/-0.009 χ^2/NDF: 3400107.3/46



Right In: -425.614+/-337.137 χ^2/NDF: 20.9/18

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

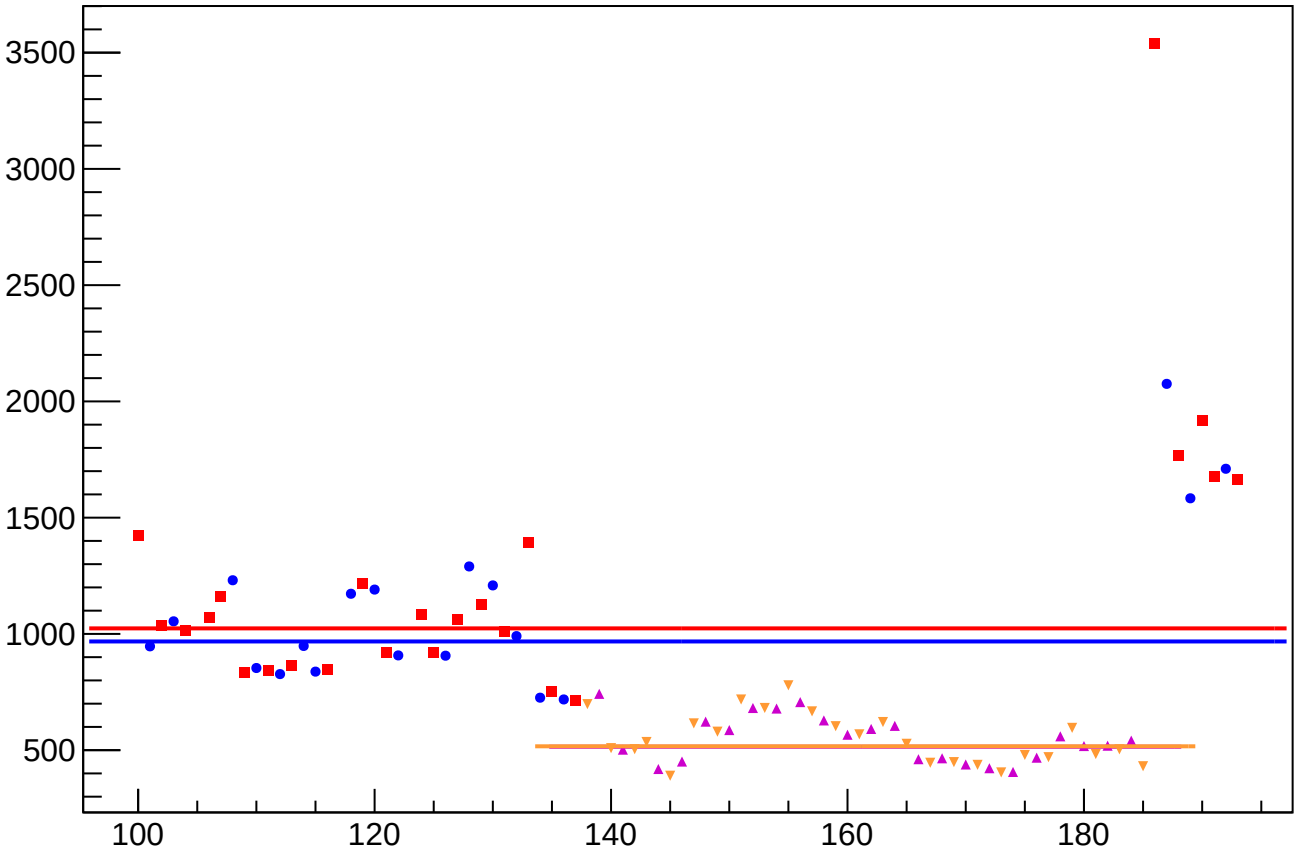
Right Out: -800.283+/-337.233 χ^2/NDF: 17.9/23

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

\+ sign -558.100+/-112.831 χ^2/NDF: 89.8/43

All: -368.612+/-80.585 χ^2/NDF: 142.0/90

\- sign -171.316+/-115.133 χ^2/NDF: 46.4/46



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: 1023.798+/-0.238 χ^2/NDF: 1691104.8/23

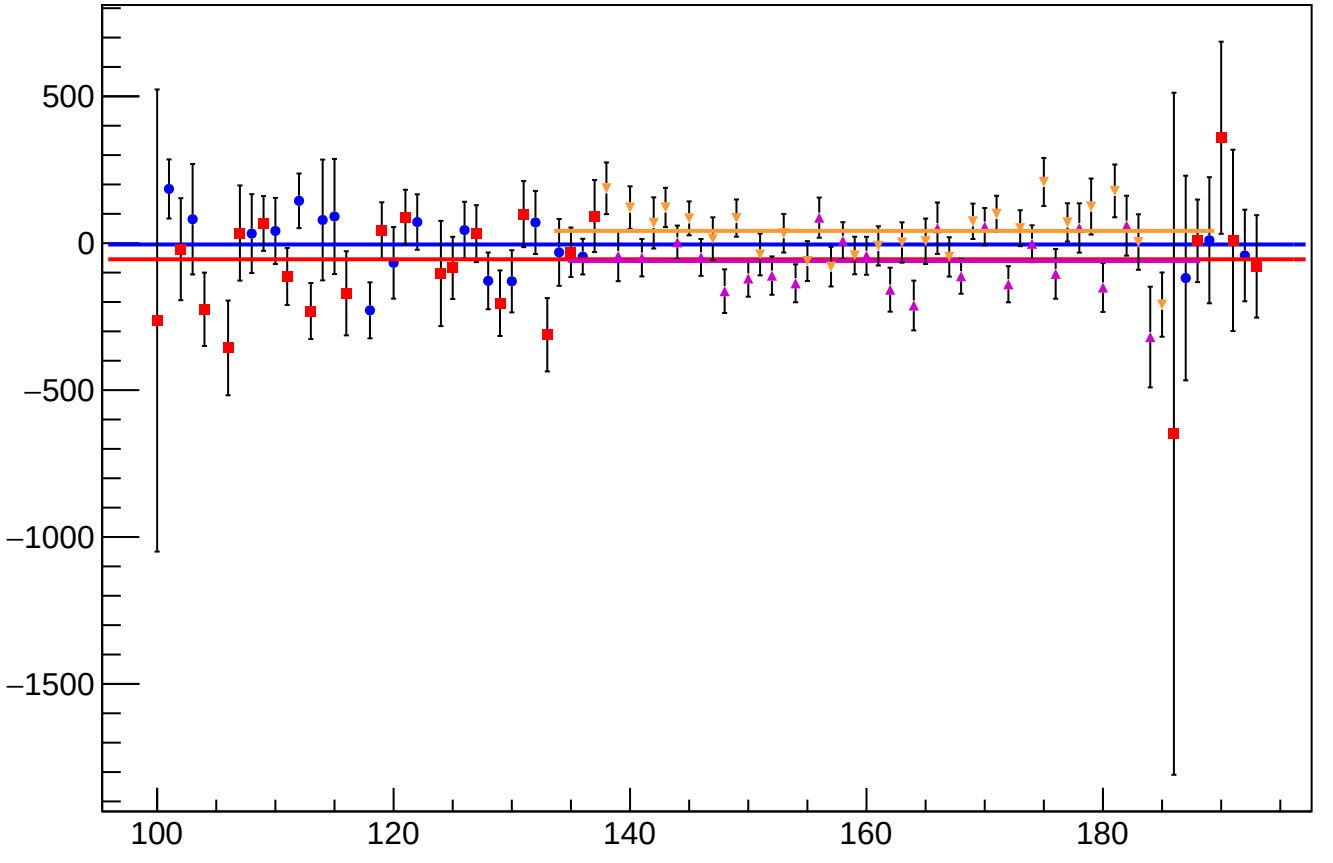
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 567.143+/-0.080 χ^2/NDF: 5625223.7/43

All: 570.556+/-0.057 χ^2/NDF: 12465936.6/90

- sign 574.110+/-0.081 χ^2/NDF: 6836977.0/46

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: -54.703+/-25.476 χ^2/NDF: 27.8/23

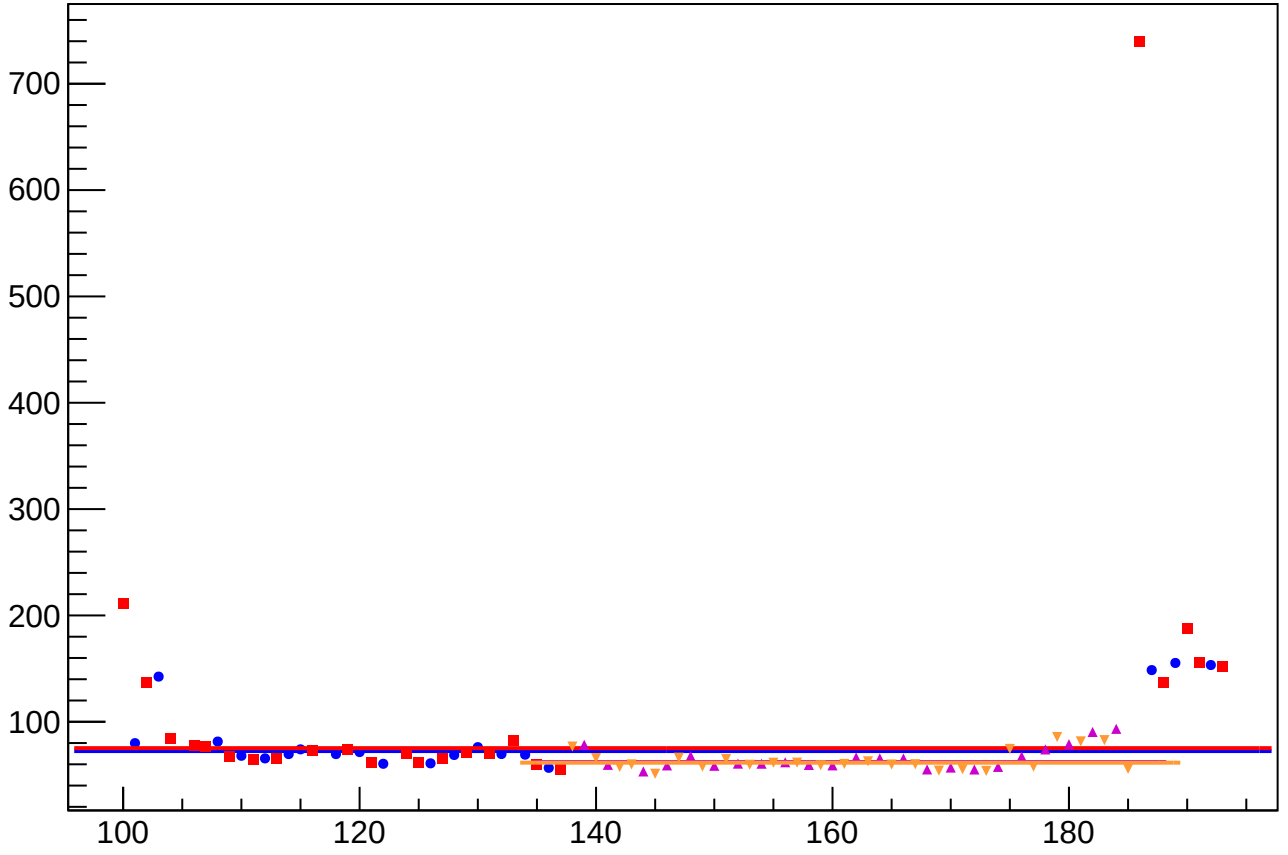
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.147+/-12.404 χ^2/NDF: 52.4/43

All: -12.698+/-8.888 χ^2/NDF: 138.1/90

- sign -58.957+/-12.741 χ^2/NDF: 60.0/46

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

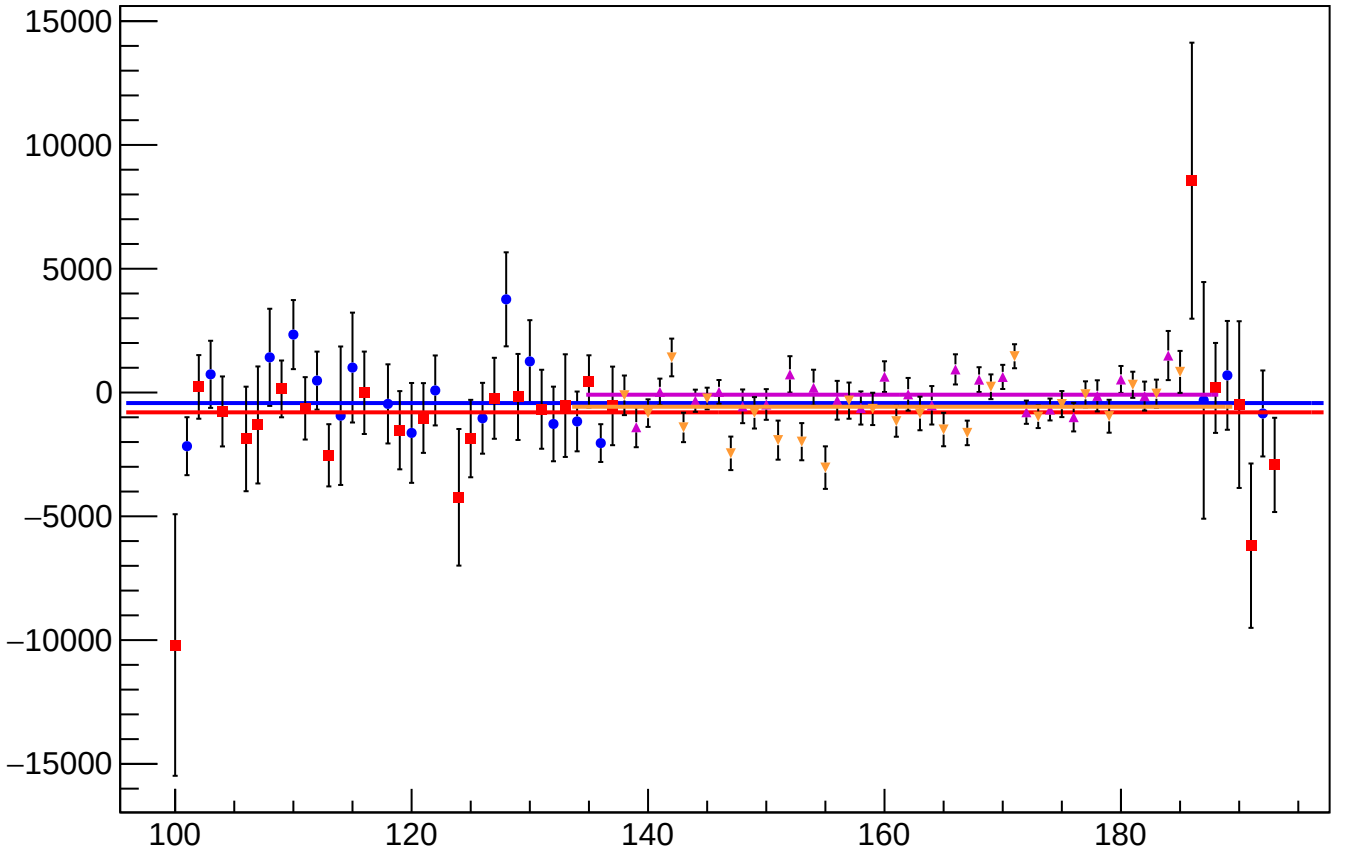
Right Out: 75.196+/-0.018 χ^2/NDF: 2409735.5/23

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.106+/-0.009 χ^2/NDF: 2365858.6/43

All: 64.740+/-0.006 χ^2/NDF: 5776697.2/90

- sign 65.409+/-0.009 χ^2/NDF: 3400107.3/46



Right In: -425.614+/-337.137 χ^2/NDF: 20.9/18

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

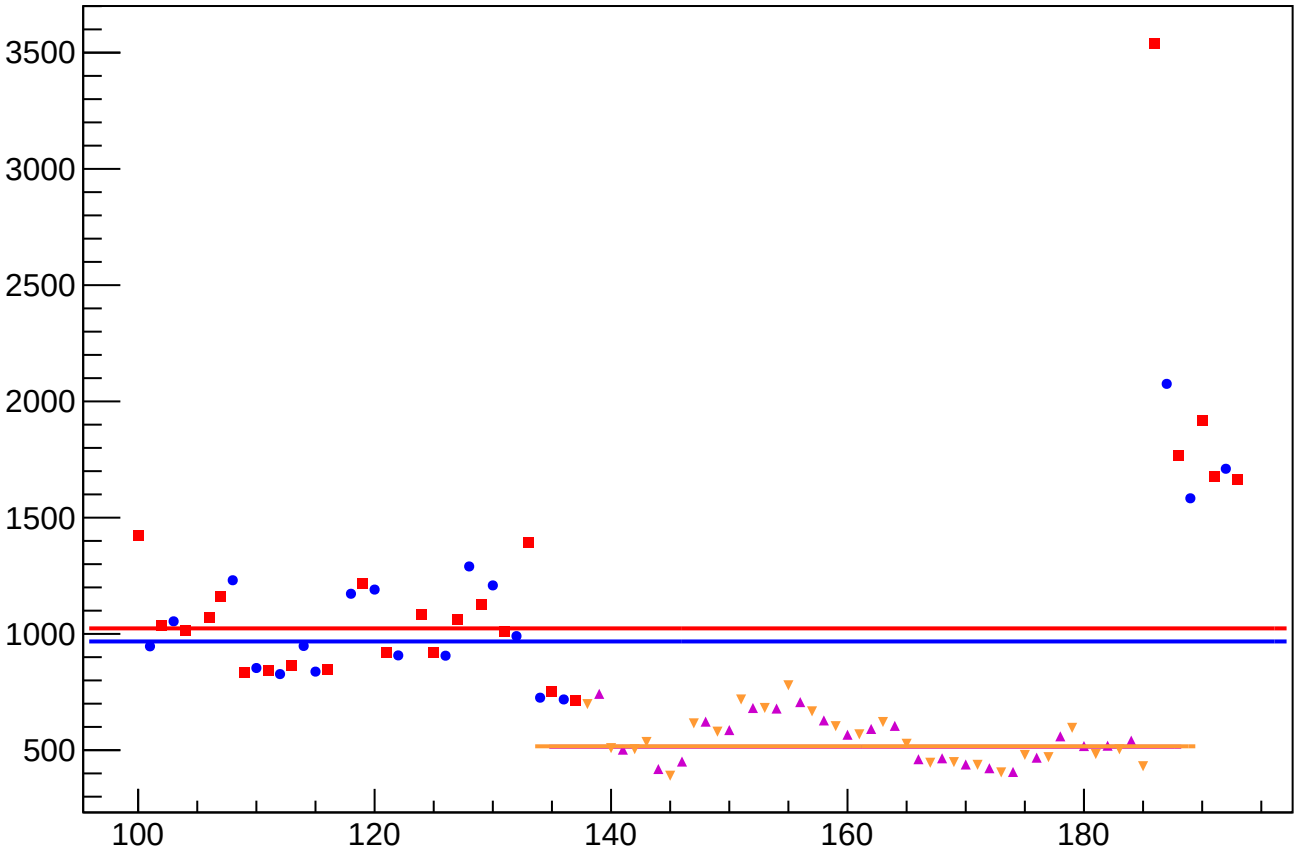
Right Out: -800.283+/-337.233 χ^2/NDF: 17.9/23

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

\+ sign -558.100+/-112.831 χ^2/NDF: 89.8/43

All: -368.612+/-80.585 χ^2/NDF: 142.0/90

\- sign -171.316+/-115.133 χ^2/NDF: 46.4/46



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: 1023.798+/-0.238 χ^2/NDF: 1691104.8/23

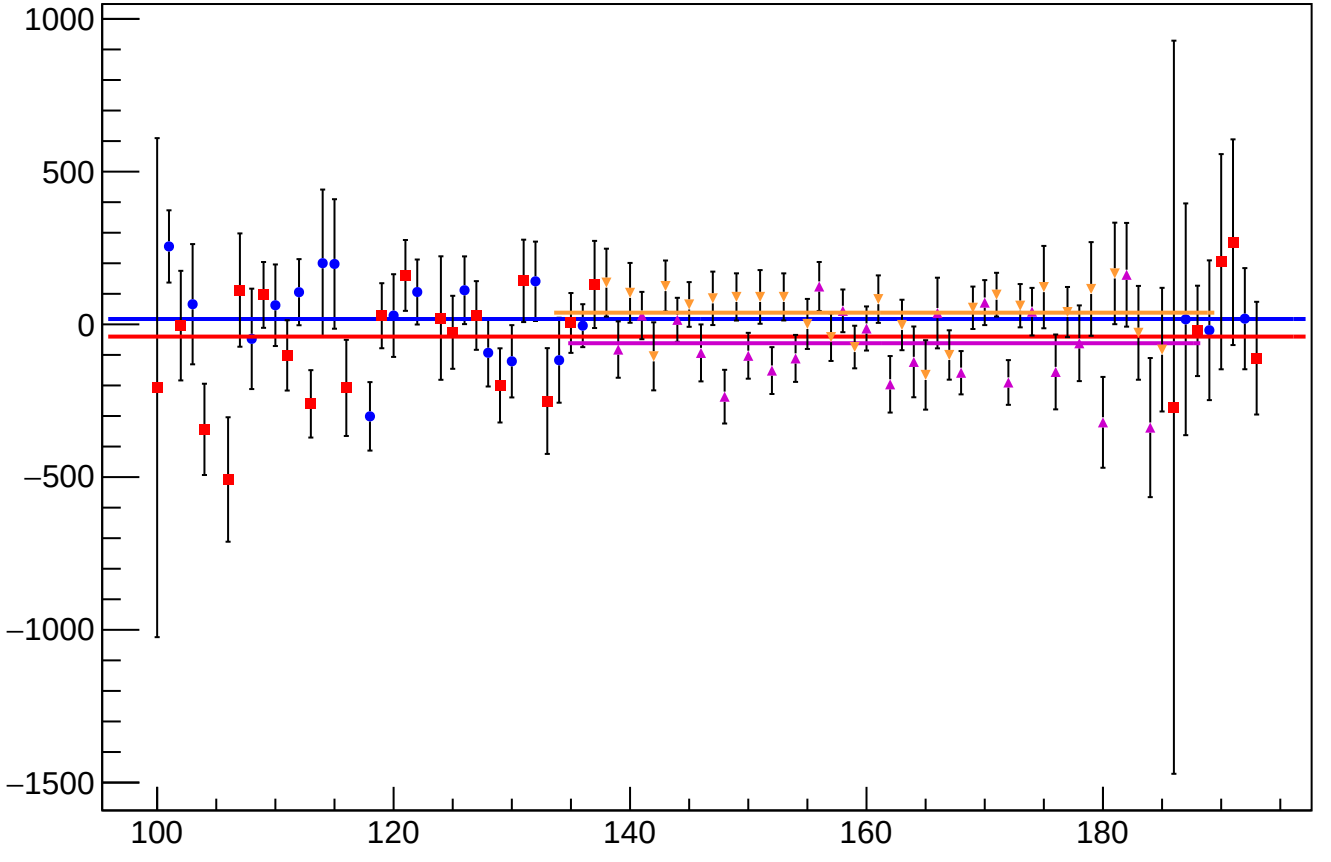
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 567.143+/-0.080 χ^2/NDF: 5625223.7/43

All: 570.556+/-0.057 χ^2/NDF: 12465936.6/90

- sign 574.110+/-0.081 χ^2/NDF: 6836977.0/46

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: -40.016+/-29.448 χ^2/NDF: 29.3/23

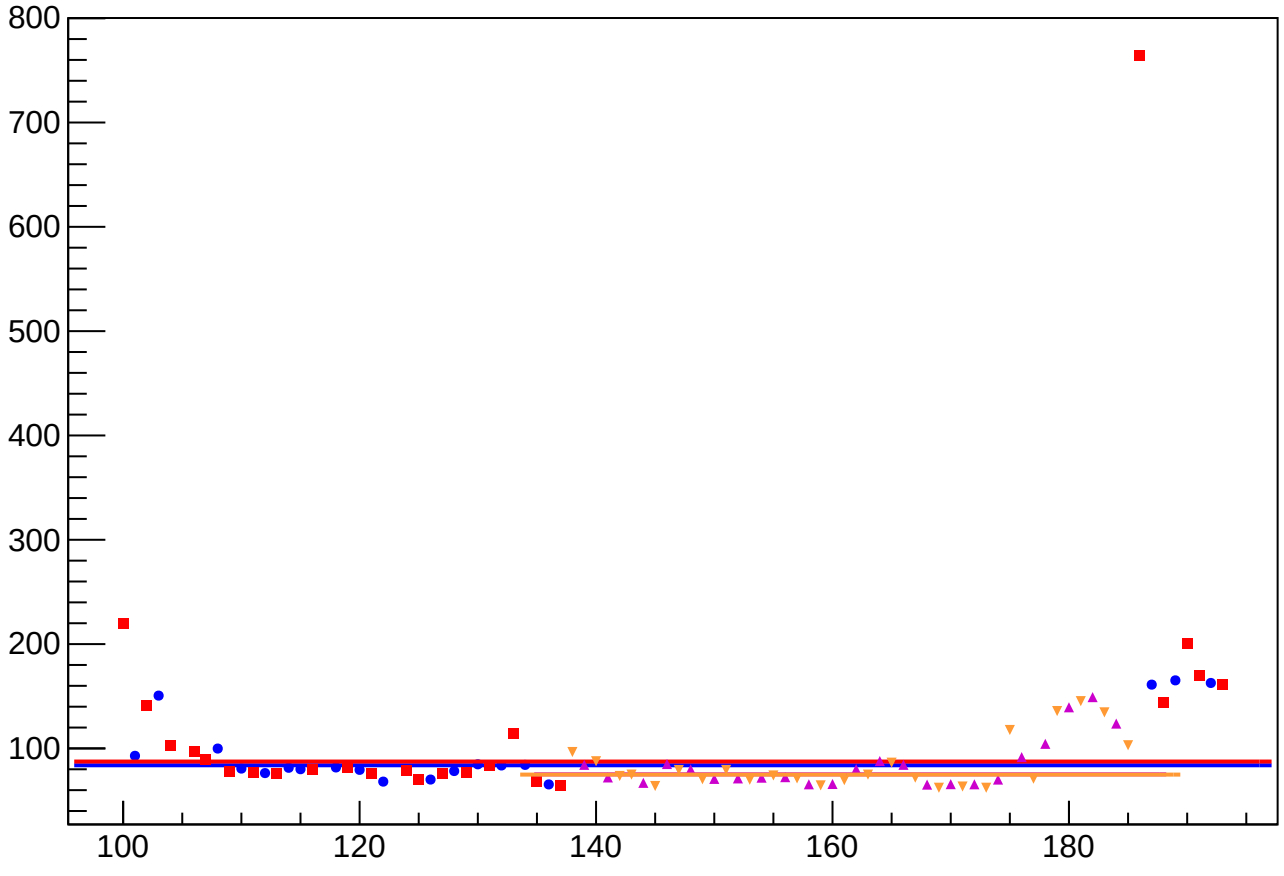
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.812+/-15.160 χ^2/NDF: 39.3/43

All: -10.542+/-10.830 χ^2/NDF: 122.4/90

- sign -55.728+/-15.477 χ^2/NDF: 66.4/46

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: 87.422+/-0.021 χ^2/NDF: 2175083.1/23

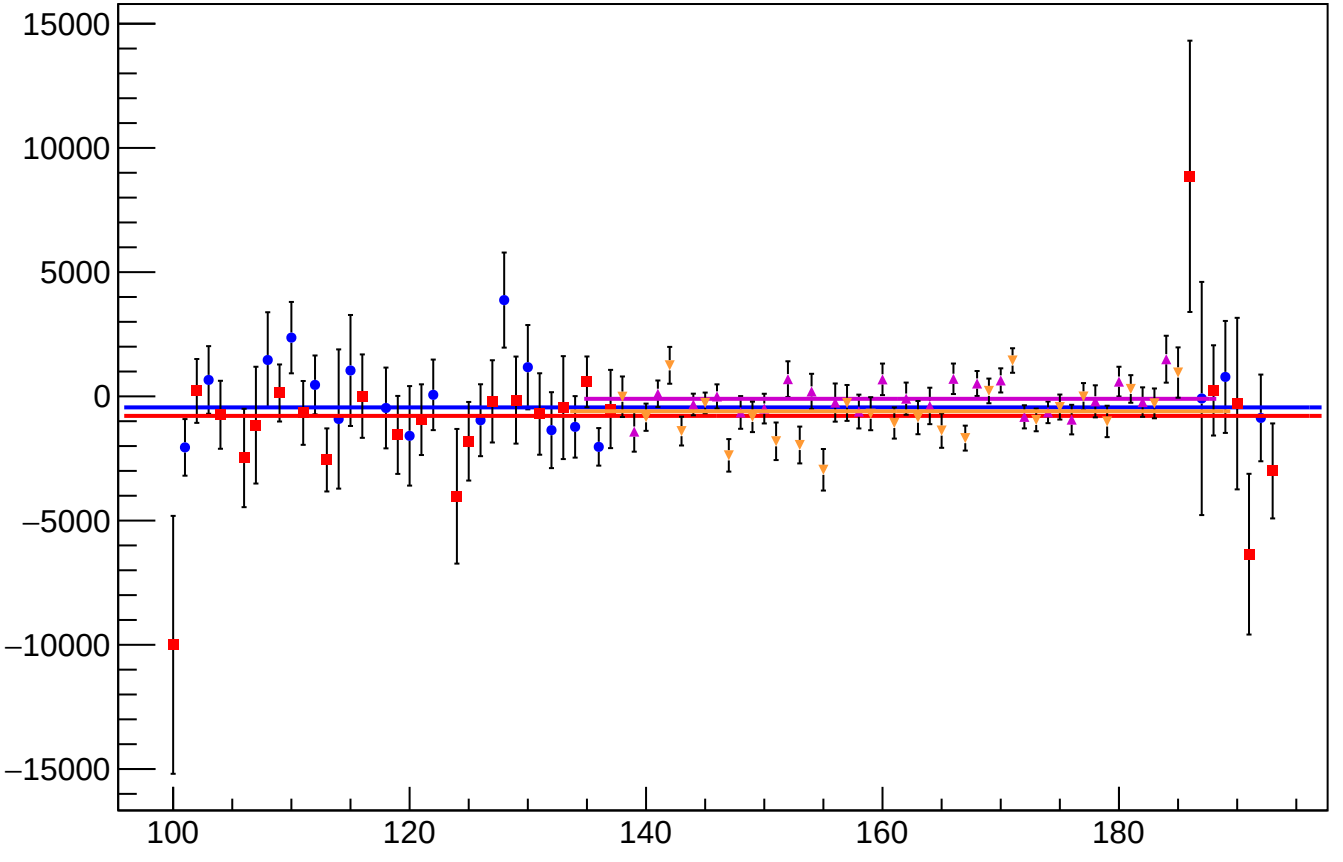
Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 77.262+/-0.011 χ^2/NDF: 3077584.4/43

All: 77.889+/-0.008 χ^2/NDF: 6823366.3/90

- sign 78.544+/-0.011 χ^2/NDF: 3738778.6/46

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: -786.153+/-336.448 χ^2/NDF: 19.3/23

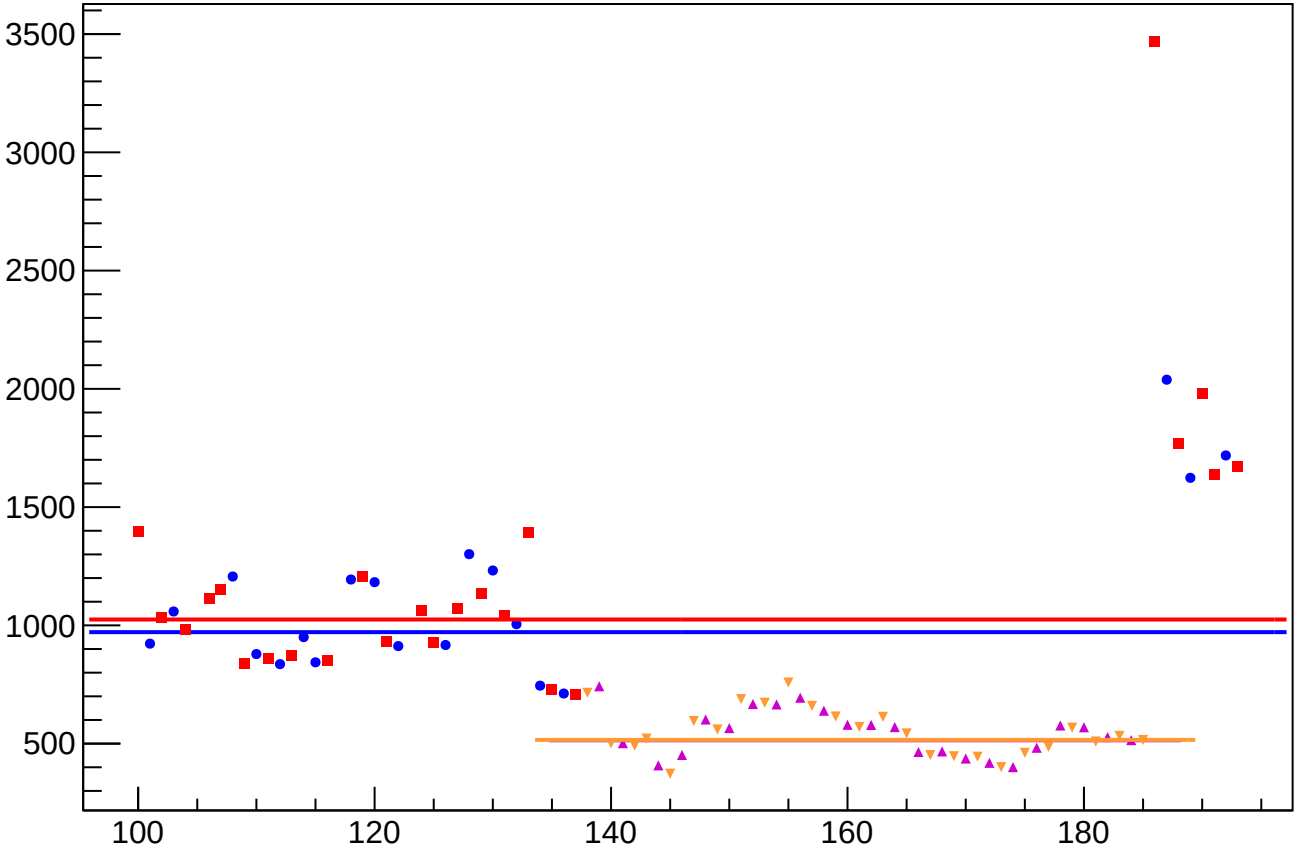
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -581.664+/-112.534 χ^2/NDF: 85.9/43

All: -384.756+/-80.414 χ^2/NDF: 138.8/90

- sign -179.302+/-114.950 χ^2/NDF: 46.7/46

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: 1024.810+/-0.238 χ^2/NDF: 1714163.2/23

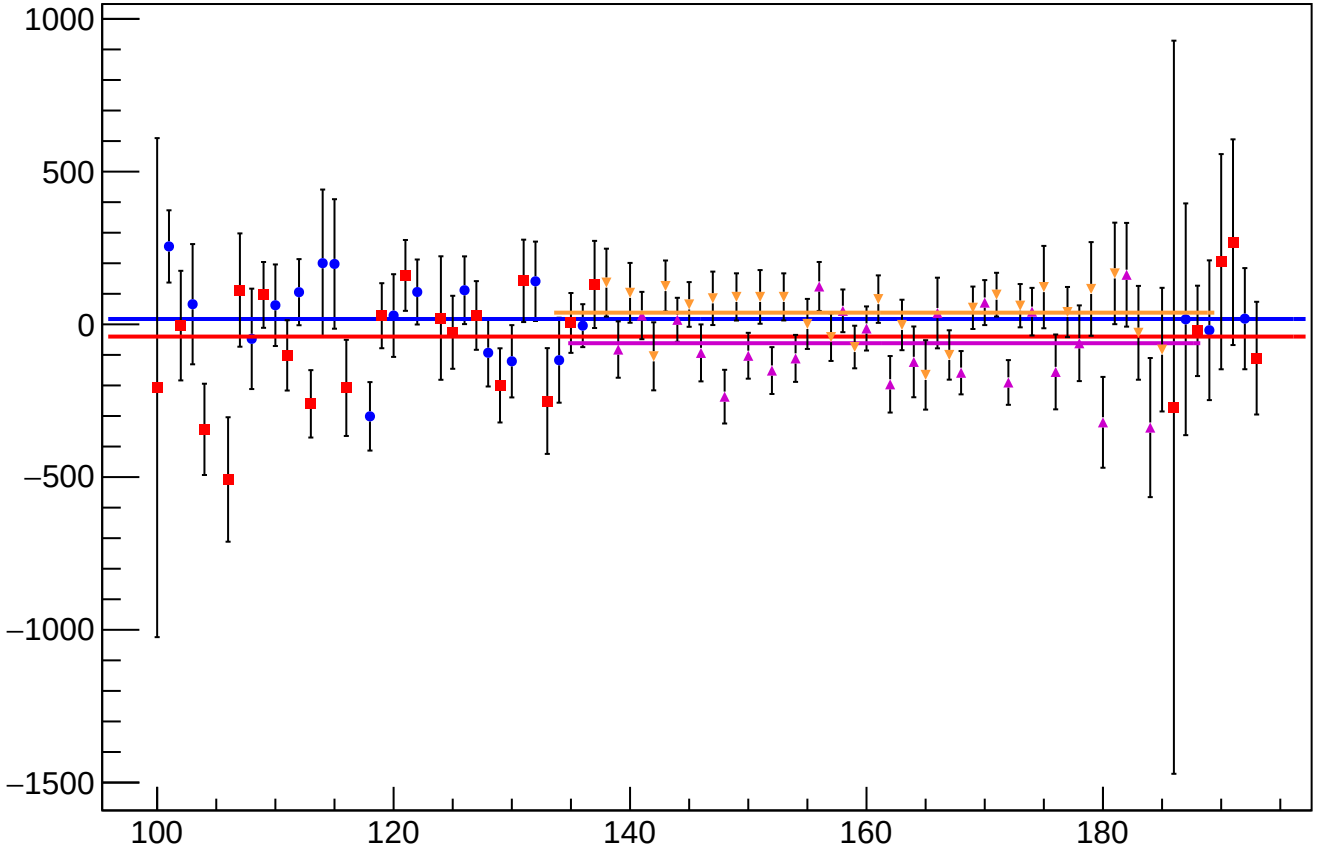
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 566.137+/-0.080 χ^2/NDF: 5653319.2/43

All: 569.841+/-0.057 χ^2/NDF: 12559387.6/90

- sign 573.705+/-0.081 χ^2/NDF: 6901642.4/46

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: -40.014+/-29.448 χ^2/NDF: 29.3/23

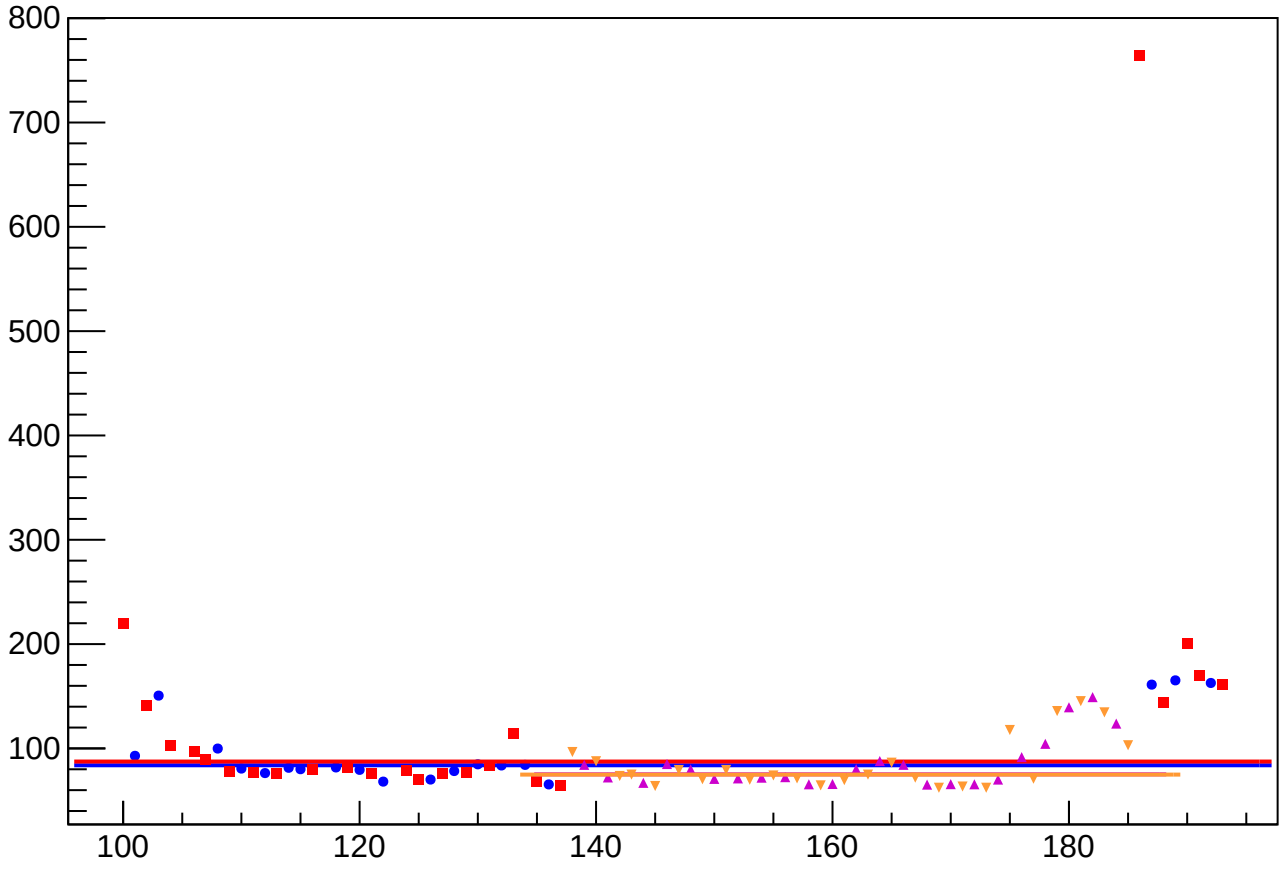
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.812+/-15.160 χ^2/NDF: 39.3/43

All: -10.541+/-10.830 χ^2/NDF: 122.4/90

- sign -55.727+/-15.477 χ^2/NDF: 66.4/46

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

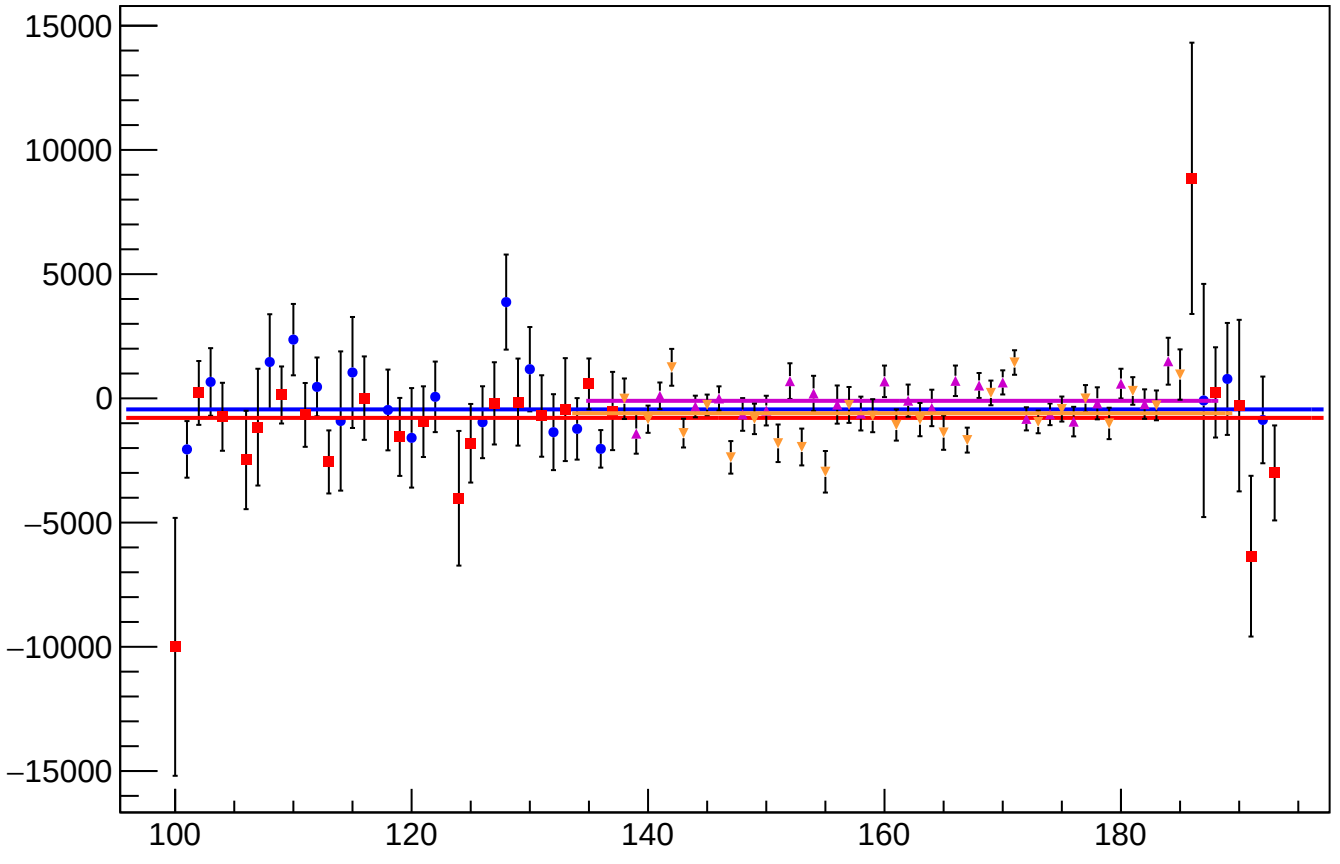
Right Out: 87.421+/-0.021 χ^2/NDF: 2175098.9/23

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

\+ sign 77.262+/-0.011 χ^2/NDF: 3077569.8/43

All: 77.890+/-0.008 χ^2/NDF: 6823334.5/90

\- sign 78.544+/-0.011 χ^2/NDF: 3738761.1/46



Right In: -443.594+/-338.438 χ^2/NDF: 20.6/18

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

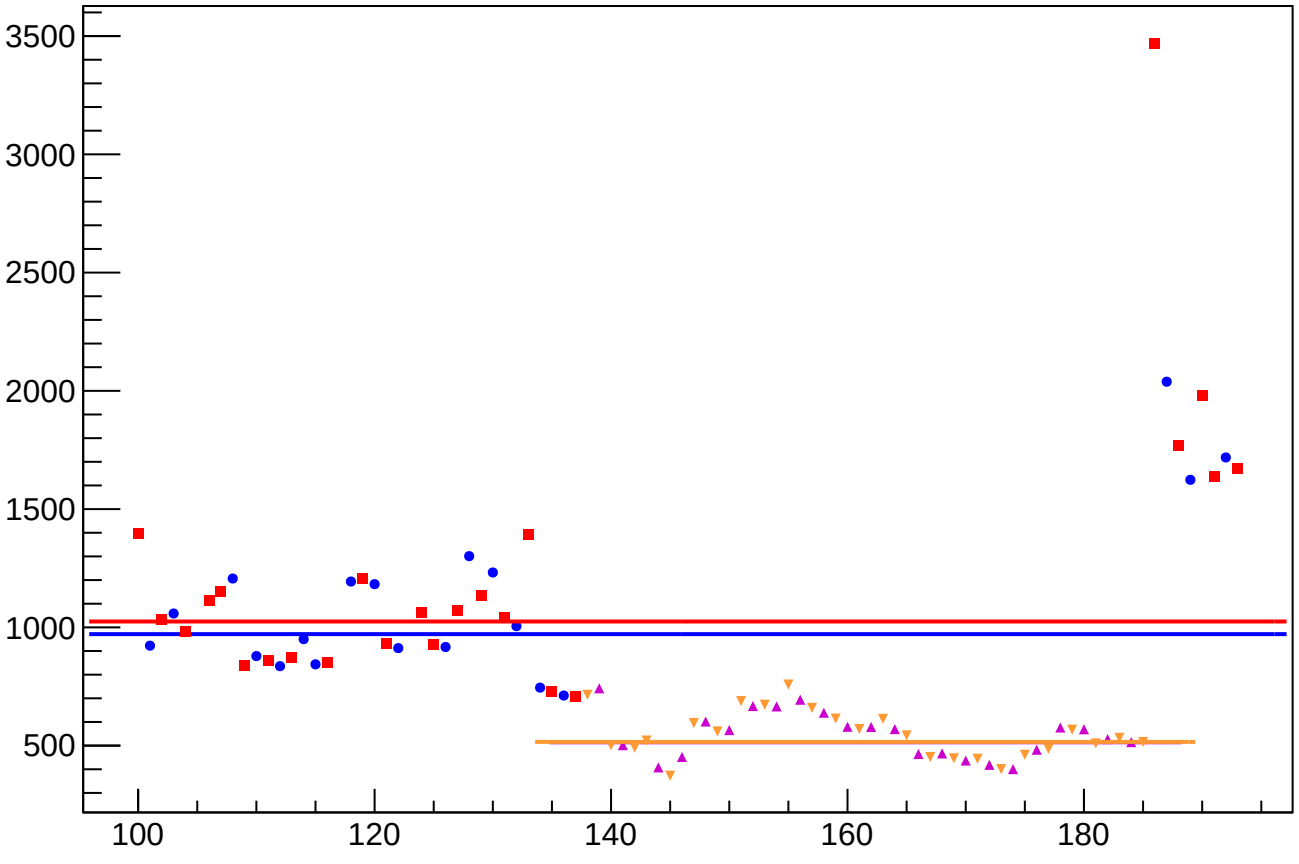
Right Out: -786.151+/-336.447 χ^2/NDF: 19.3/23

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -581.663+/-112.534 χ^2/NDF: 85.9/43

All: -384.755+/-80.414 χ^2/NDF: 138.8/90

- sign -179.301+/-114.950 χ^2/NDF: 46.7/46



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: 1024.808+/-0.238 χ^2/NDF: 1714165.7/23

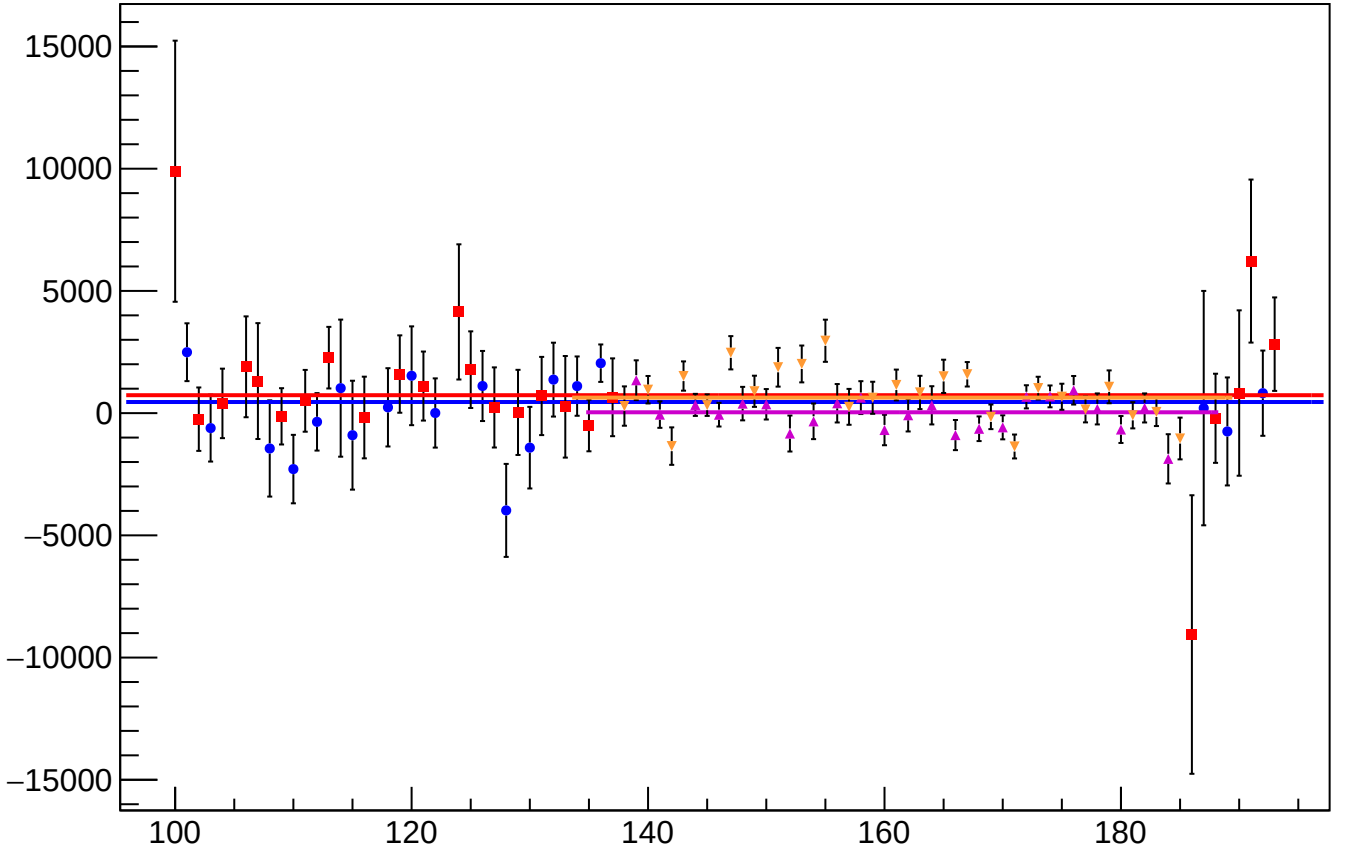
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 566.136+/-0.080 χ^2/NDF: 5653320.0/43

All: 569.840+/-0.057 χ^2/NDF: 12559383.1/90

- sign 573.704+/-0.081 χ^2/NDF: 6901636.9/46

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: 733.706+/-338.268 χ^2/NDF: 17.5/23

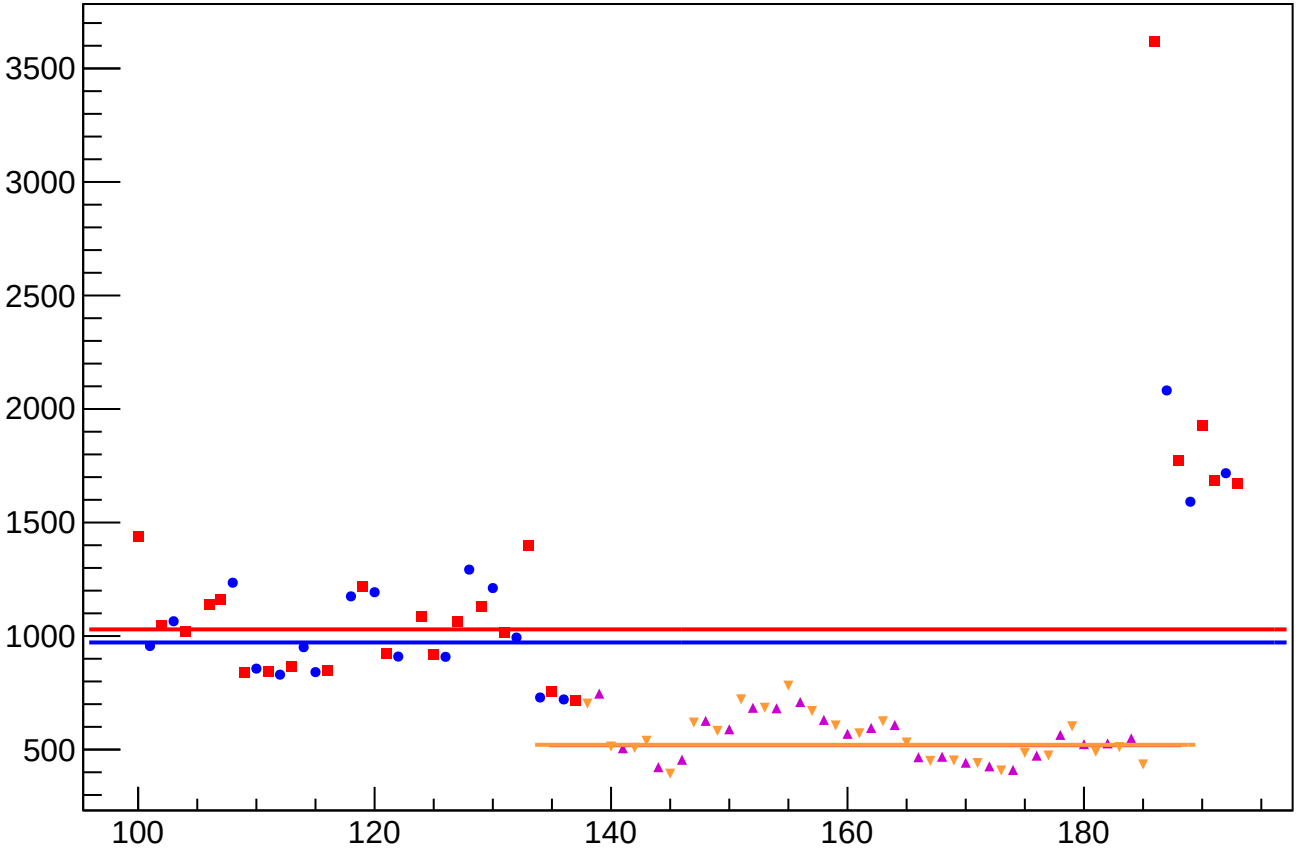
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

\+ sign 614.505+/-113.706 χ^2/NDF: 86.6/43

All: 370.788+/-81.210 χ^2/NDF: 142.3/90

\- sign 117.031+/-116.024 χ^2/NDF: 46.3/46

asym_sam_12345678_avg_rms vs Slug



Right In: 971.748+/-0.239 χ^2/NDF: 1182337.5/18

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

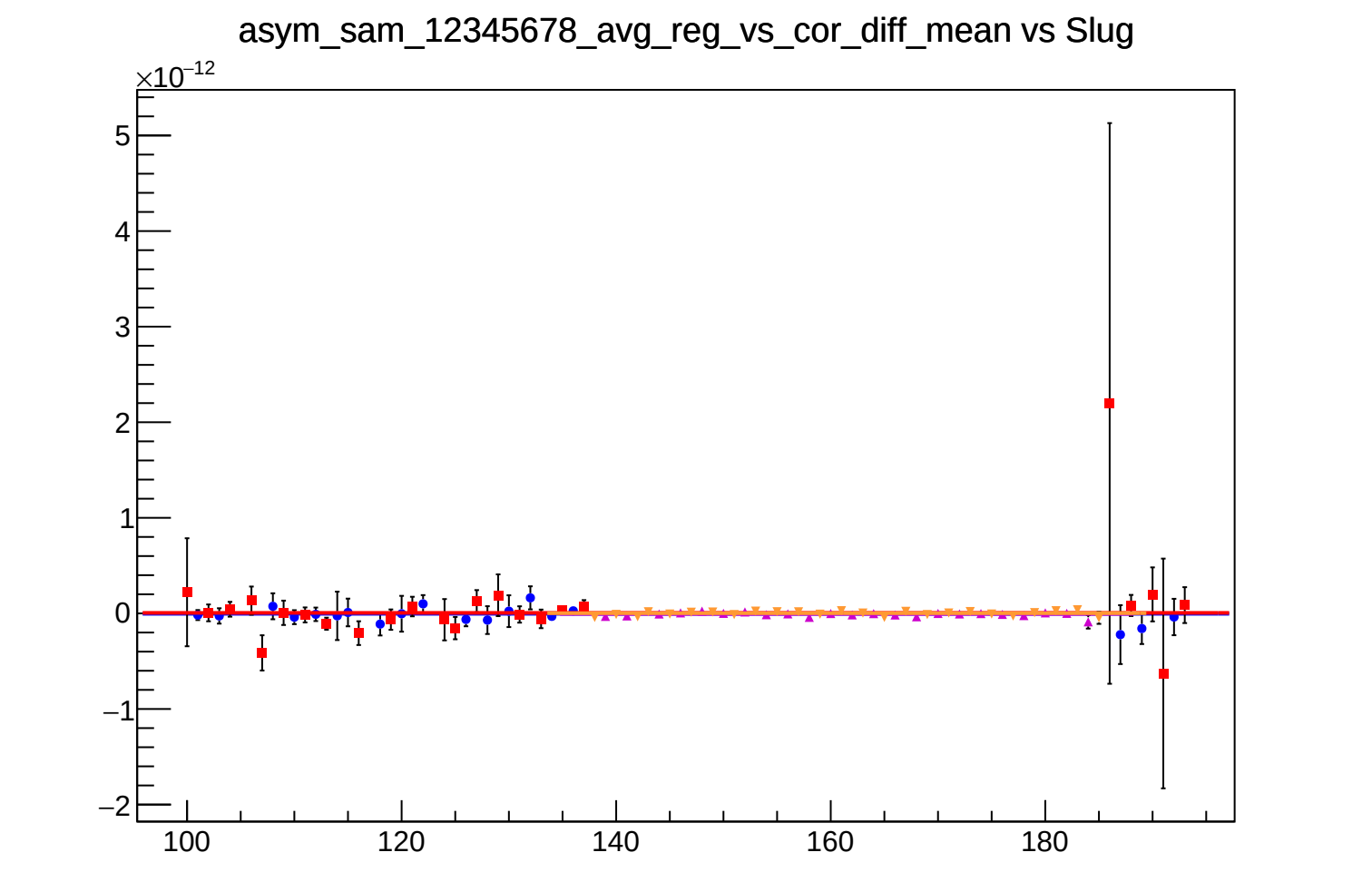
Right Out: 1029.341+/-0.239 χ^2/NDF: 1704215.6/23

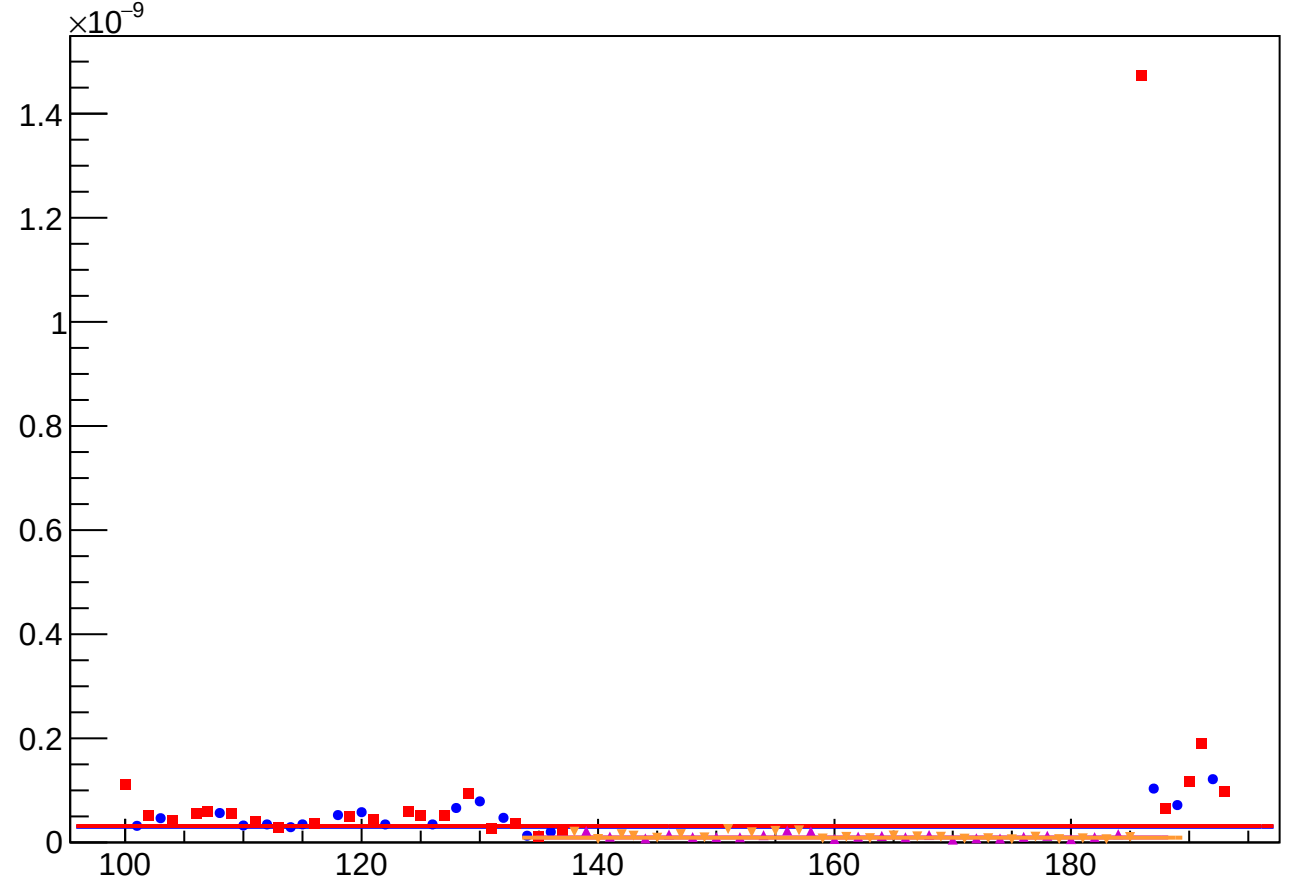
Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 571.858+/-0.080 χ^2/NDF: 5569834.1/43

All: 575.480+/-0.057 χ^2/NDF: 12391701.4/90

- sign 579.251+/-0.082 χ^2/NDF: 6817725.7/46


asym_sam_12345678_avg_reg_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: 8.5/18
Left Out: 0.000+/-0.000 χ²/NDF:22.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 21.4/23
Left In: -0.000+/-0.000 χ²/NDF:10.8/22
+ sign 0.000+/-0.000 χ²/NDF: 31.0/43
All: -0.000+/-0.000 χ²/NDF: 65.0/90
- sign -0.000+/-0.000 χ²/NDF: 32.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 1875496.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

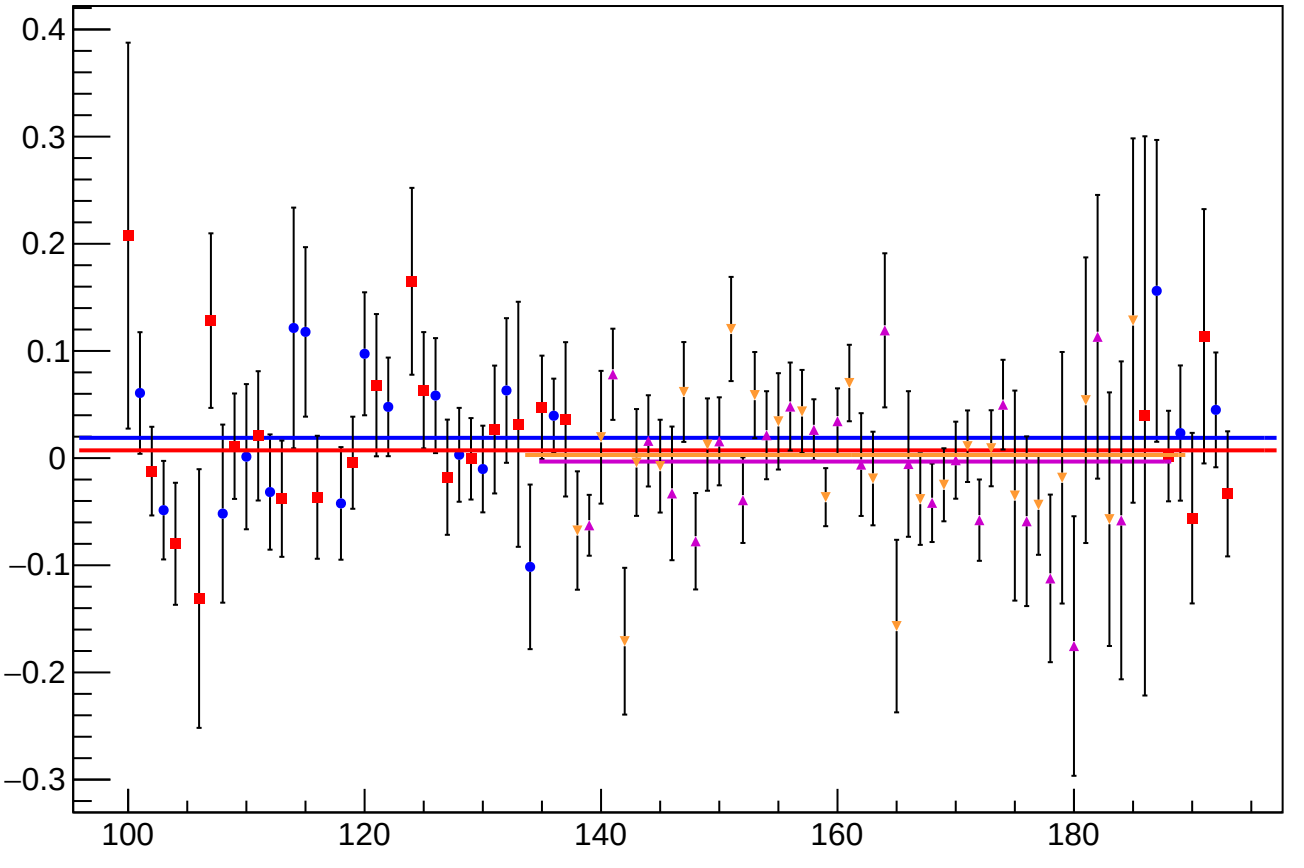
Right Out: 0.000+/-0.000 χ^2/NDF: 2821512.1/23

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: 13762544.6/90

- sign 0.000+/-0.000 χ^2/NDF: 7041458.3/46



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: 0.007+/-0.012 χ^2/NDF: 17.1/23

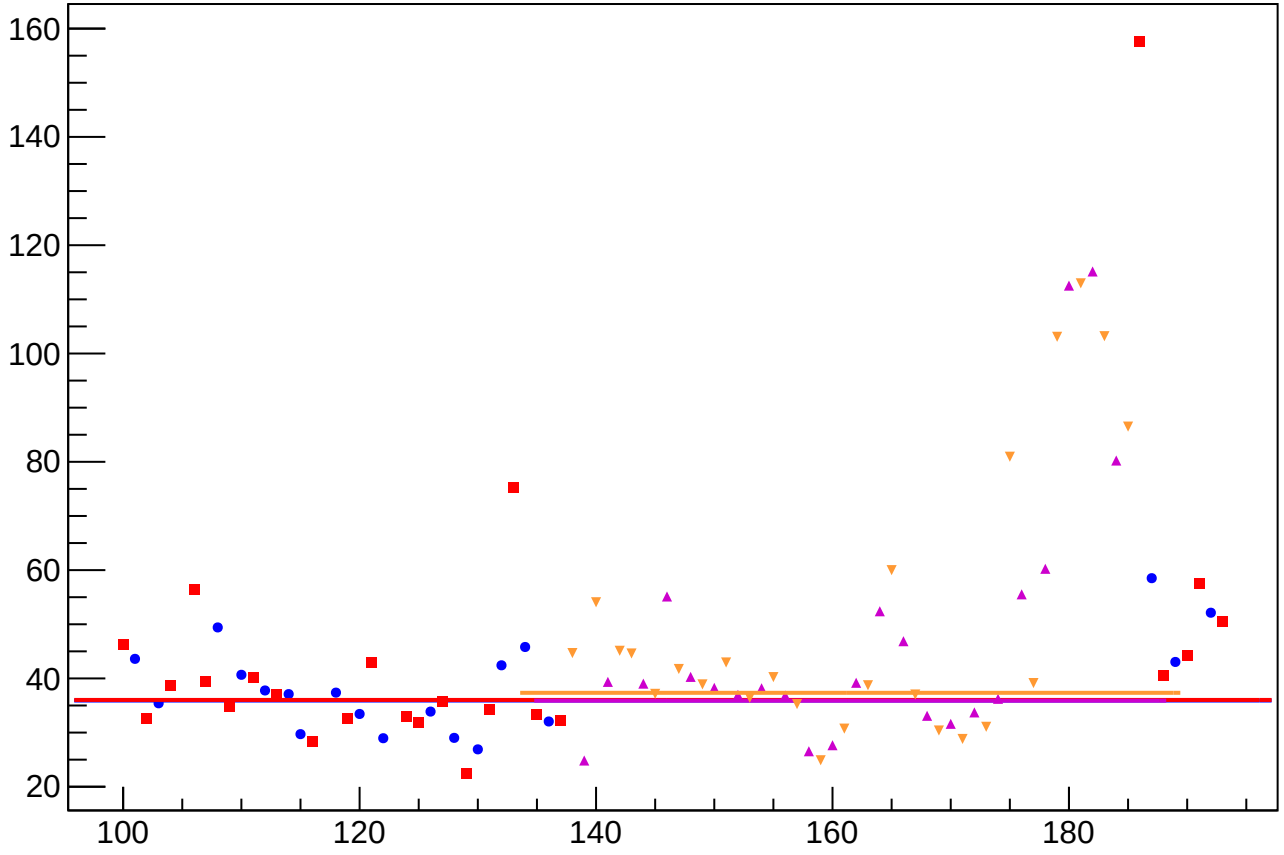
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.9/43

All: 0.004+/-0.005 χ^2/NDF: 97.9/90

- sign 0.001+/-0.007 χ^2/NDF: 47.4/46

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.921+/-0.009 χ^2/NDF: 654468.7/18

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

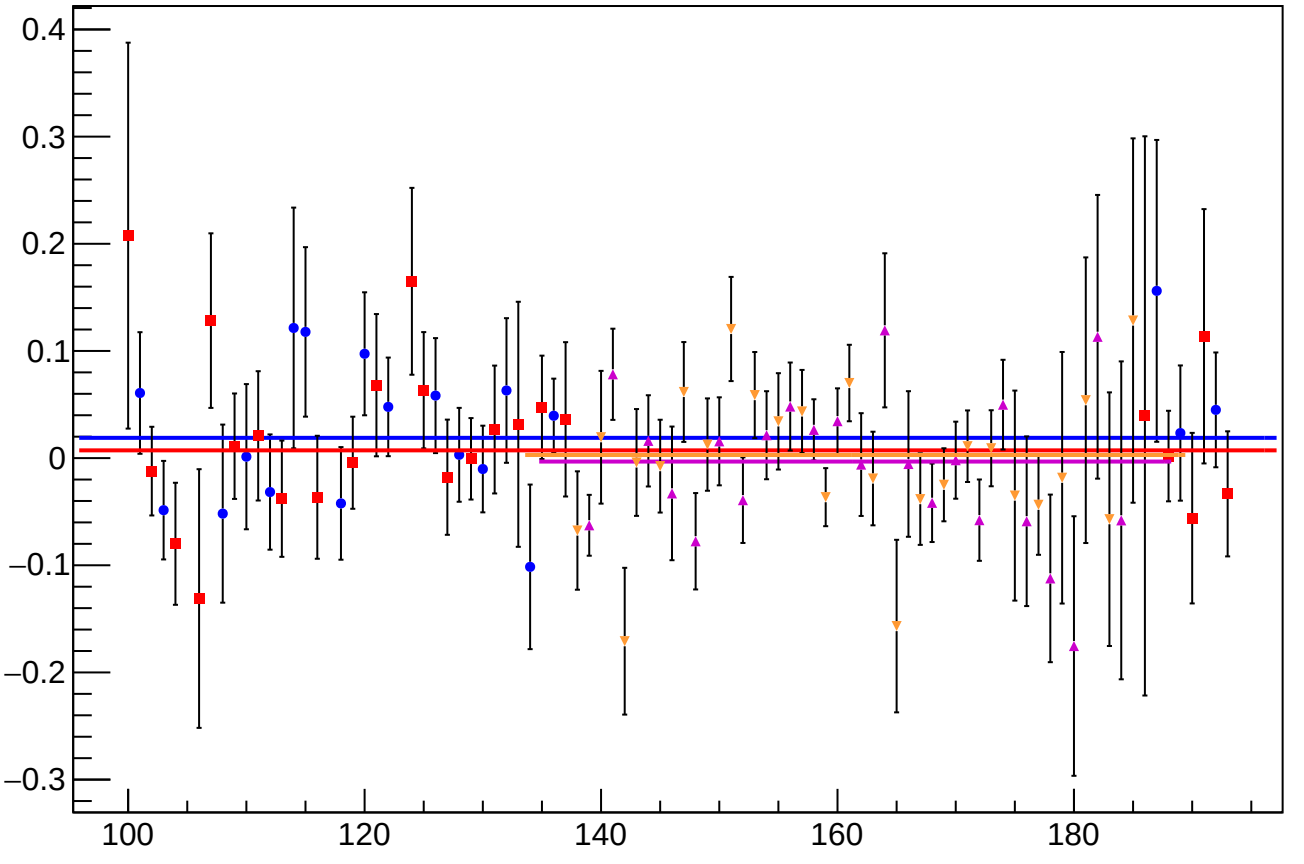
Right Out: 36.028+/-0.009 χ^2/NDF: 1355199.3/23

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.849+/-0.005 χ^2/NDF: 4367544.4/43

All: 36.386+/-0.004 χ^2/NDF: 8876173.8/90

- sign 35.944+/-0.005 χ^2/NDF: 4493643.2/46



Right In: 0.019+/-0.013 χ^2/NDF: 16.0/18

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

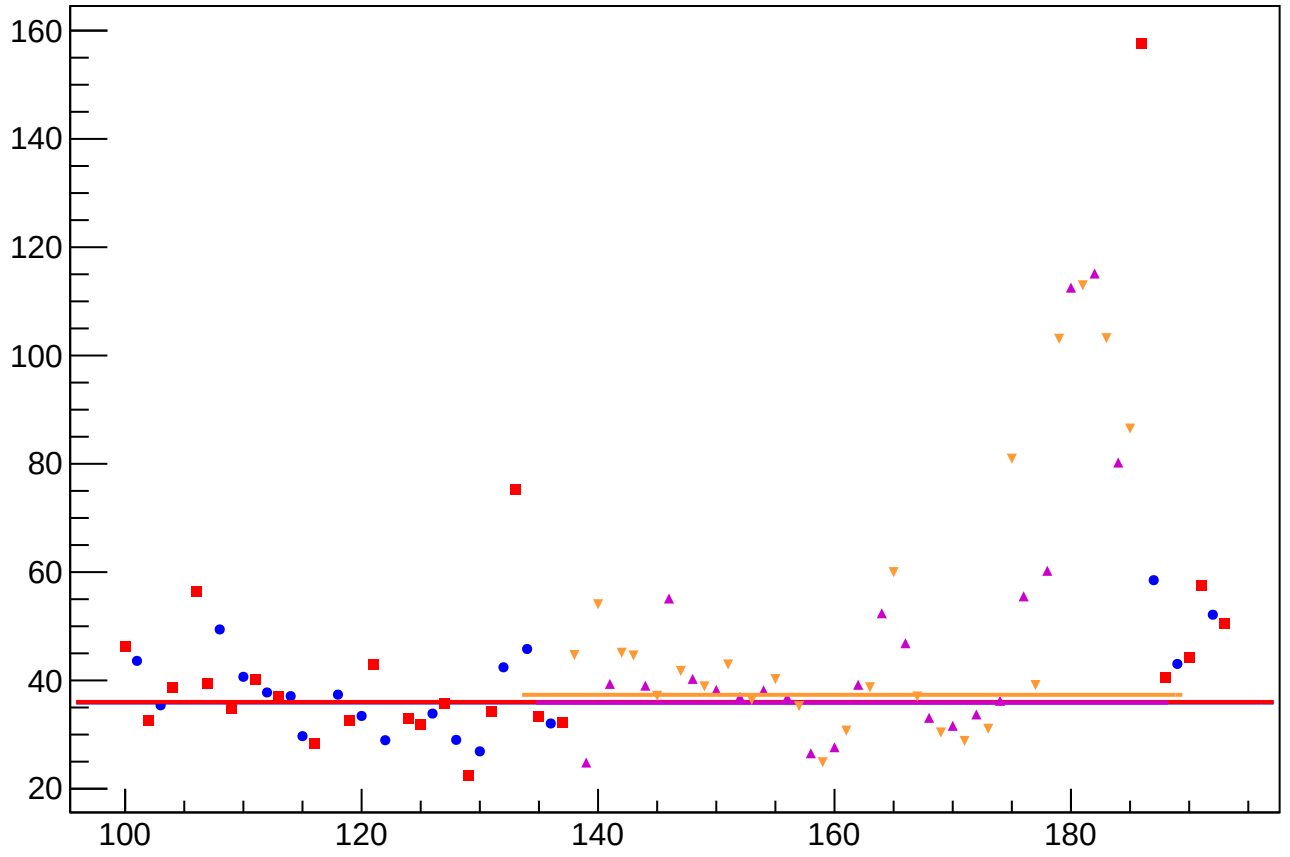
Right Out: 0.007+/-0.012 χ^2/NDF: 17.1/23

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.9/43

All: 0.004+/-0.005 χ^2/NDF: 97.9/90

- sign 0.001+/-0.007 χ^2/NDF: 47.4/46



Right In: 35.921+/-0.009 χ^2/NDF: 654468.7/18

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

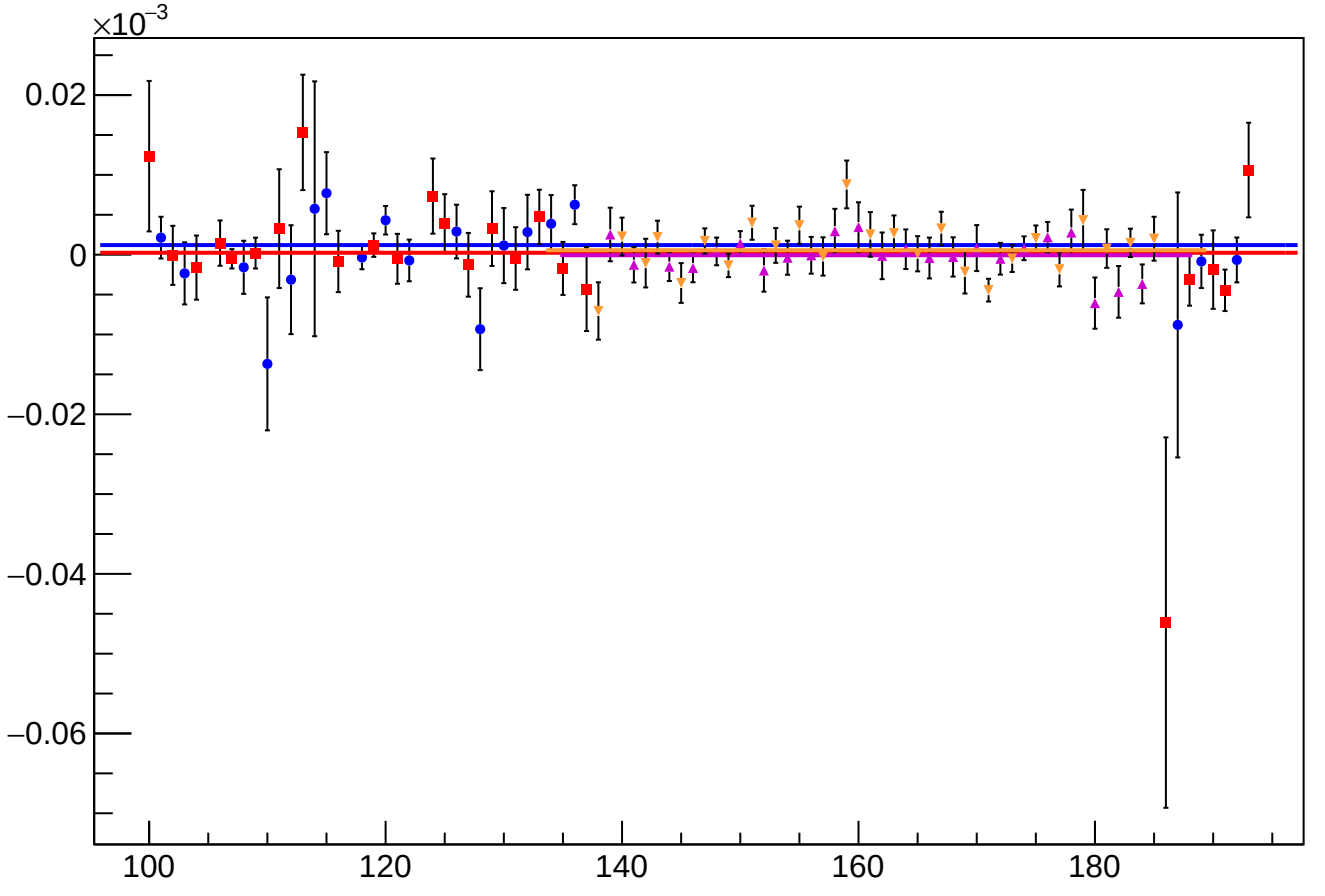
Right Out: 36.028+/-0.009 χ^2/NDF: 1355199.3/23

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.849+/-0.005 χ^2/NDF: 4367544.4/43

All: 36.386+/-0.004 χ^2/NDF: 8876173.8/90

- sign 35.944+/-0.005 χ^2/NDF: 4493643.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

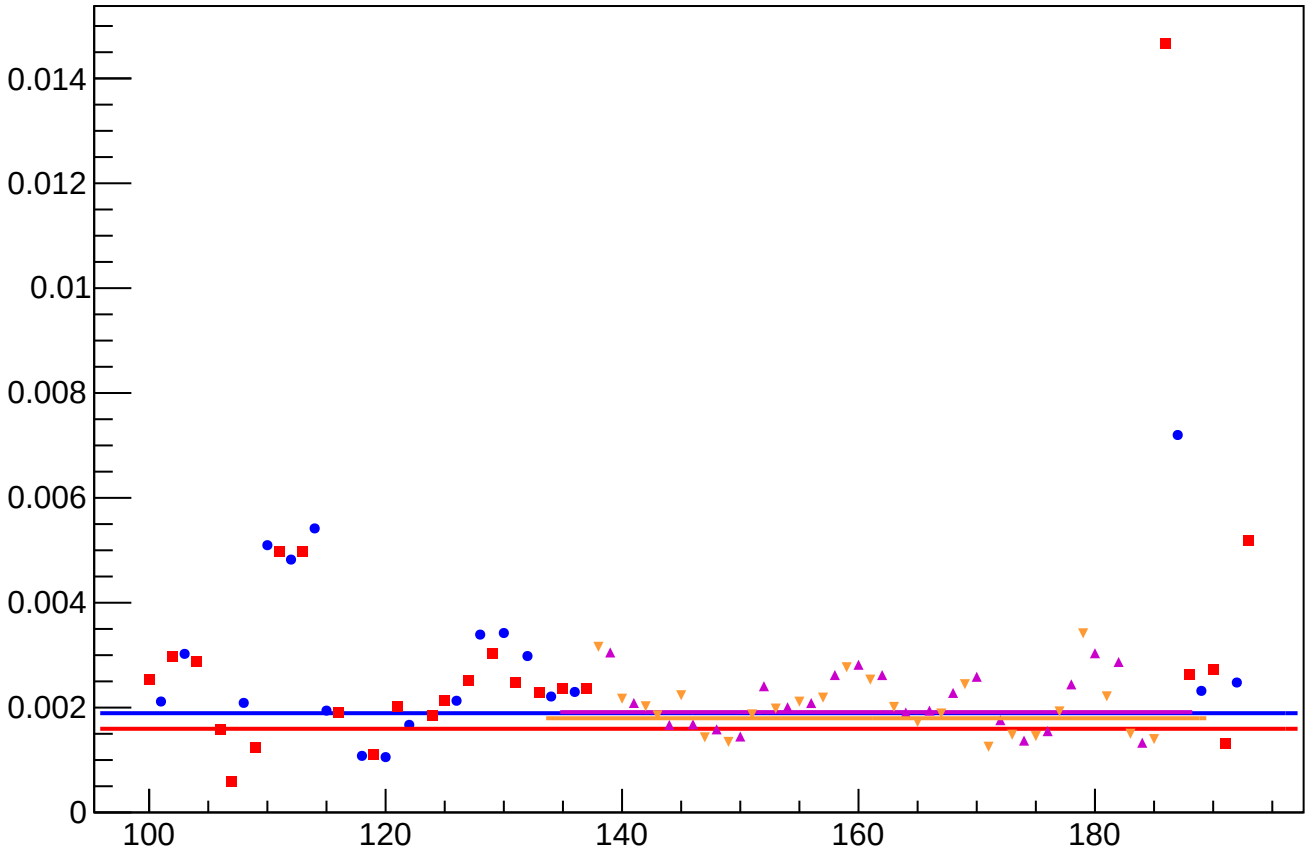
Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/23

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: 111.1/90

- sign 0.000+/-0.000 χ^2/NDF: 43.0/46



Right In: 0.002+/-0.000 χ^2/NDF: 2913072.7/18

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

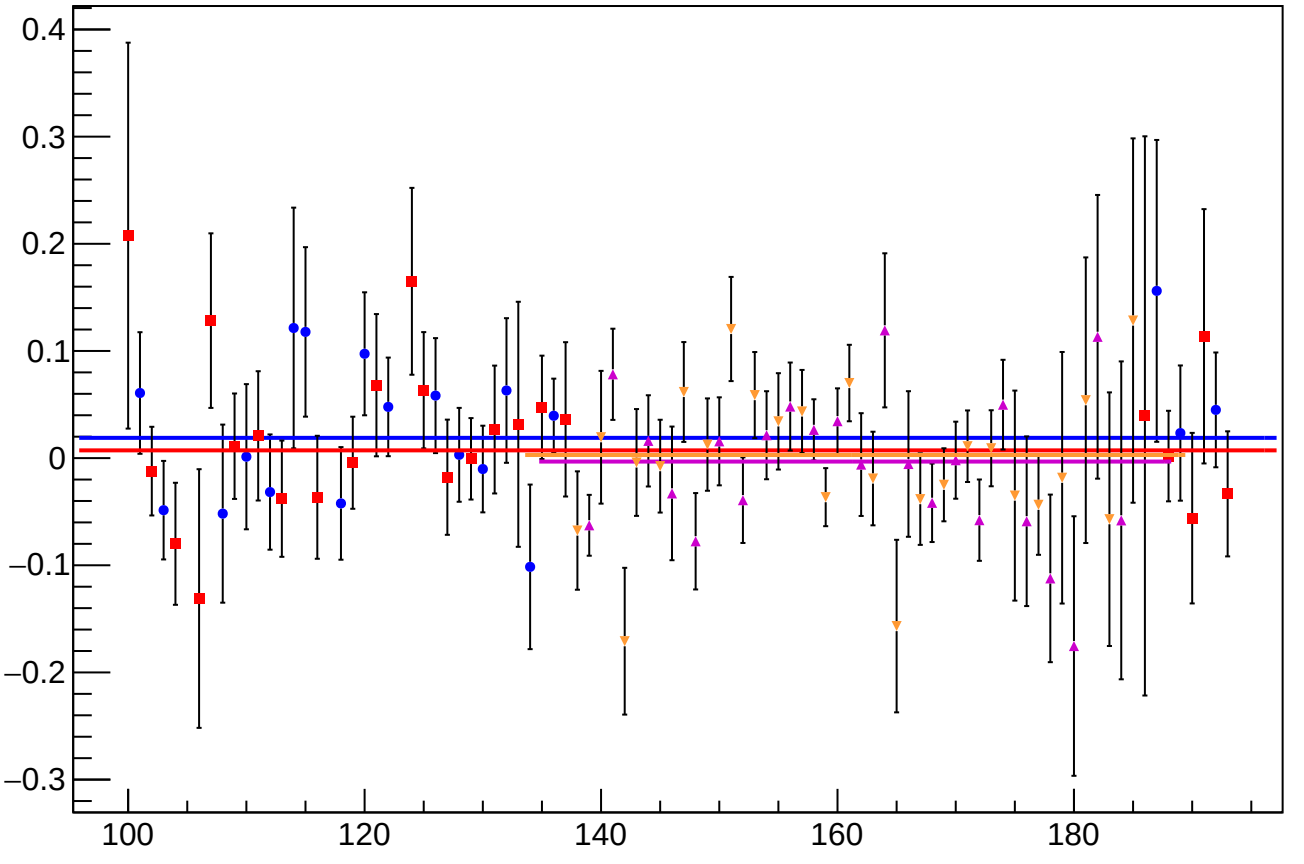
Right Out: 0.002+/-0.000 χ^2/NDF: 5434350.9/23

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: 13176271.5/90

- sign 0.002+/-0.000 χ^2/NDF: 7951756.8/46



Right In: 0.019+/-0.013 χ^2/NDF: 16.0/18

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

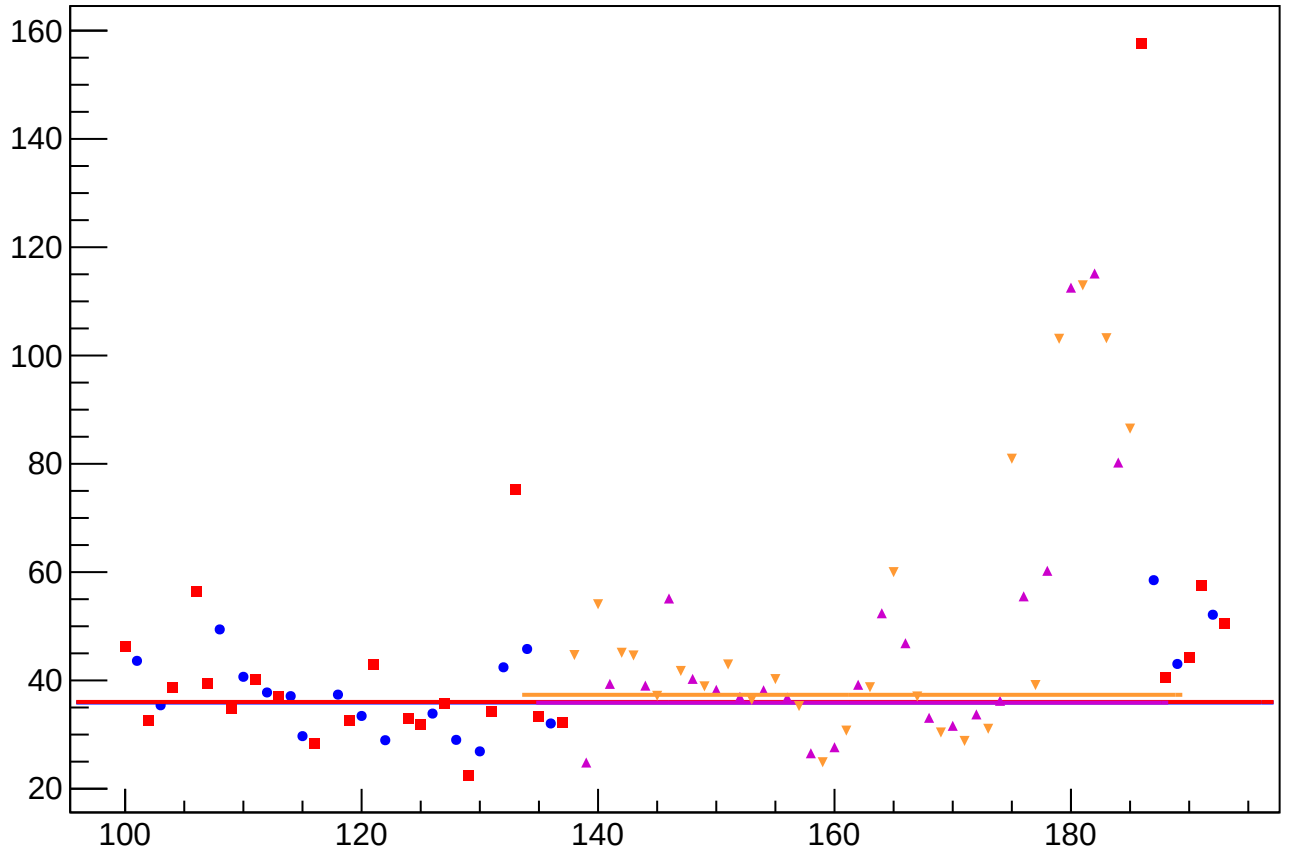
Right Out: 0.007+/-0.012 χ^2/NDF: 17.1/23

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.9/43

All: 0.004+/-0.005 χ^2/NDF: 97.9/90

- sign 0.001+/-0.007 χ^2/NDF: 47.4/46



Right In: 35.920+/-0.009 χ^2/NDF: 654545.3/18

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

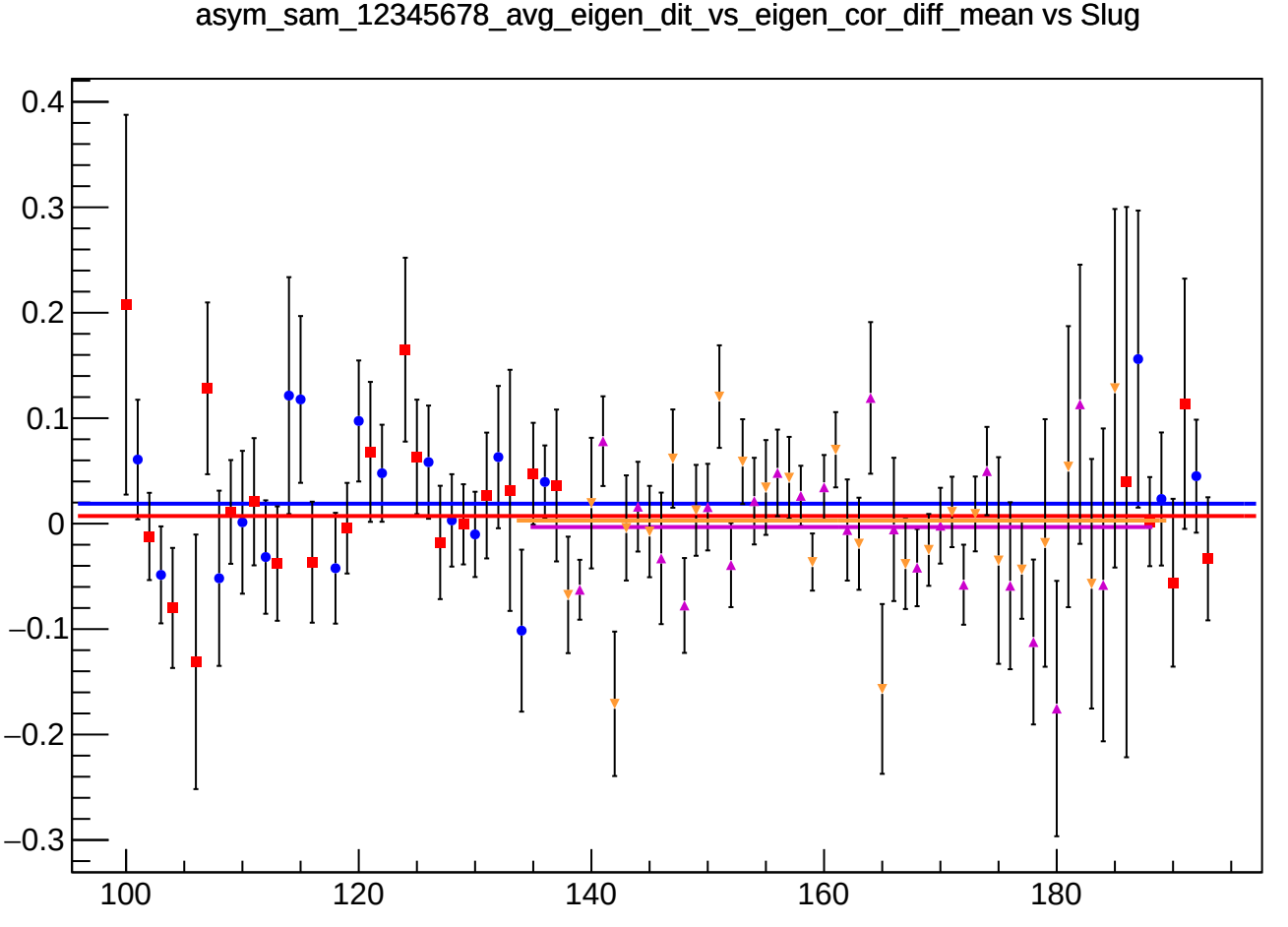
Right Out: 36.028+/-0.009 χ^2/NDF: 1355275.6/23

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.849+/-0.005 χ^2/NDF: 4367694.0/43

All: 36.386+/-0.004 χ^2/NDF: 8876407.6/90

- sign 35.944+/-0.005 χ^2/NDF: 4493733.6/46



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: 0.007+/-0.012 χ^2/NDF: 17.1/23

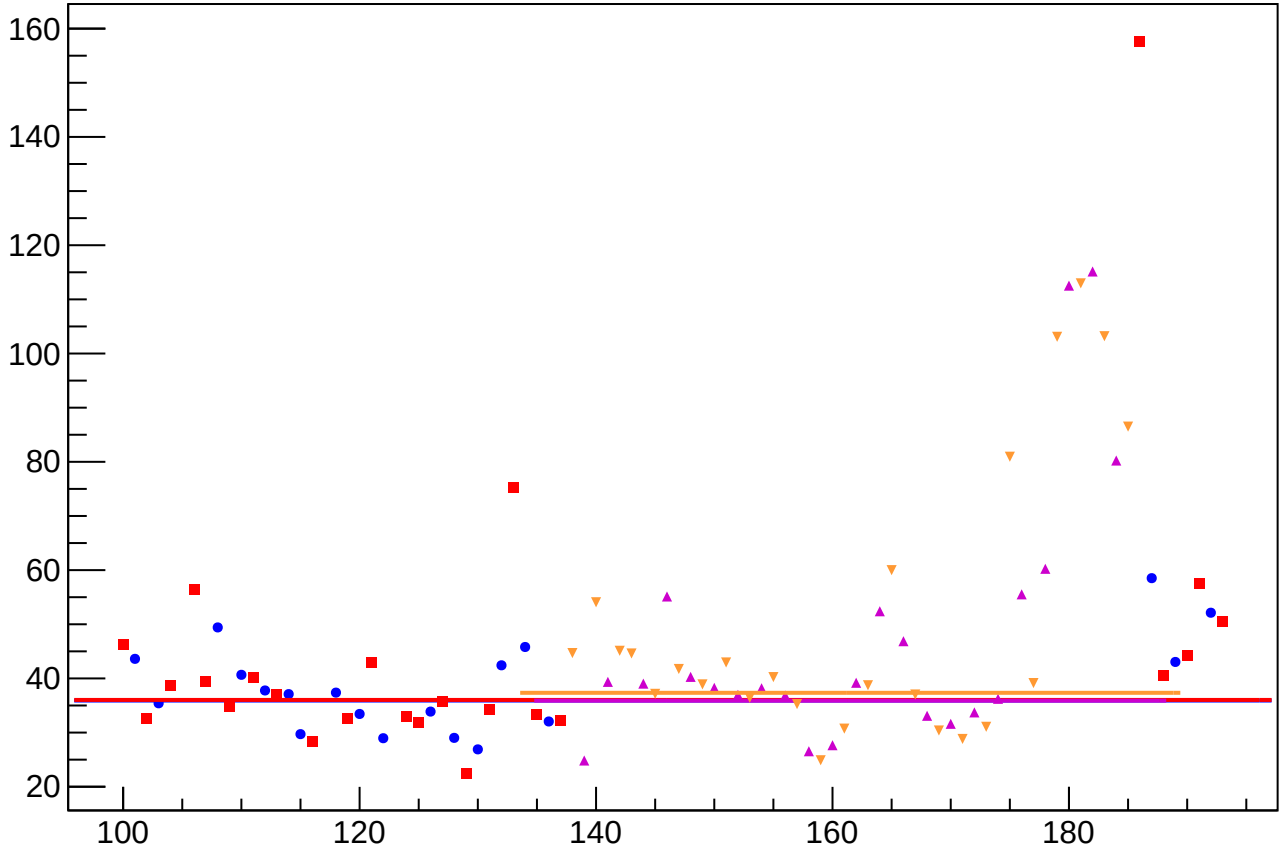
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.9/43

All: 0.004+/-0.005 χ^2/NDF: 97.9/90

- sign 0.001+/-0.007 χ^2/NDF: 47.4/46

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

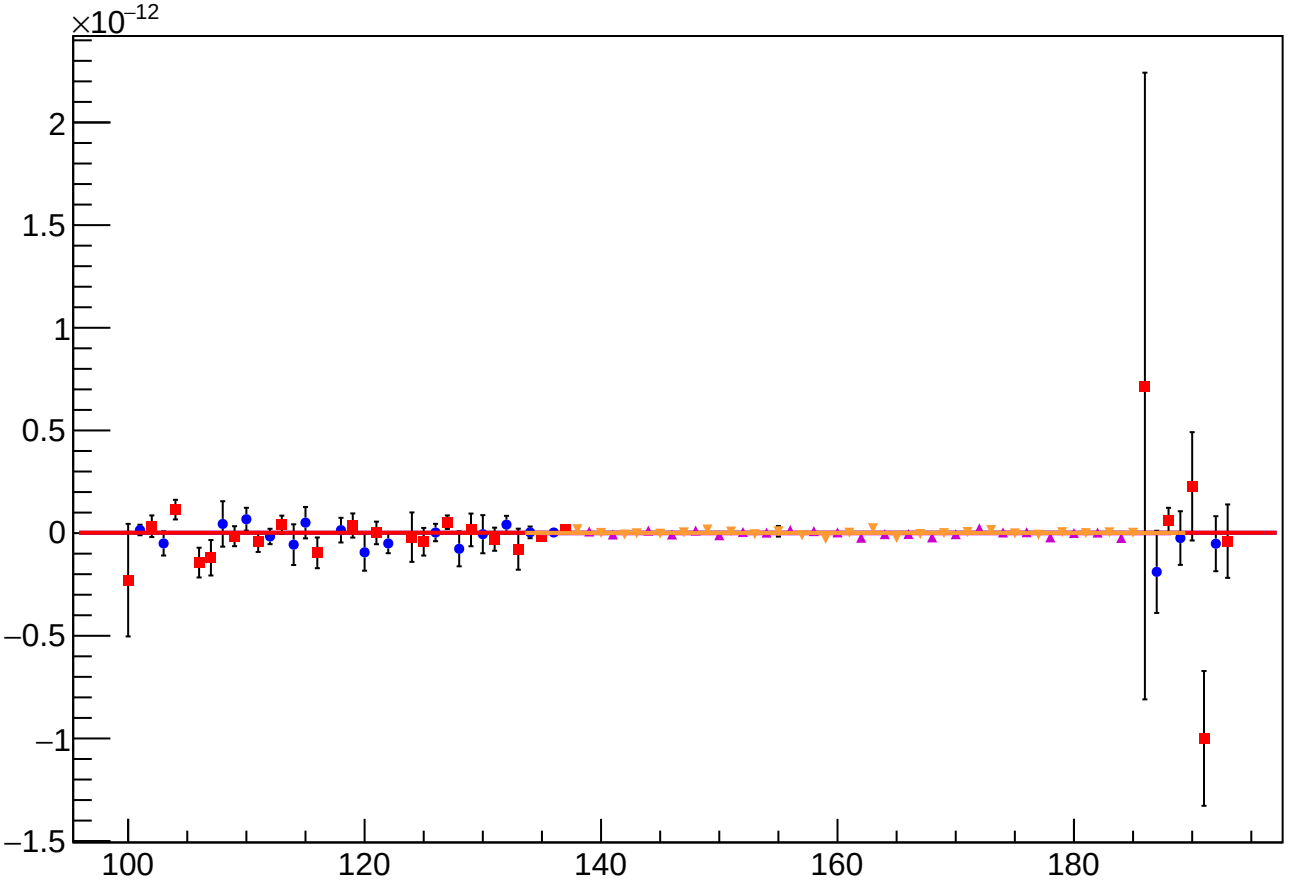
Right Out: 36.028+/-0.009 χ^2/NDF: 1355275.6/23

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.849+/-0.005 χ^2/NDF: 4367694.0/43

All: 36.386+/-0.004 χ^2/NDF: 8876407.6/90

- sign 35.944+/-0.005 χ^2/NDF: 4493733.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 8.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

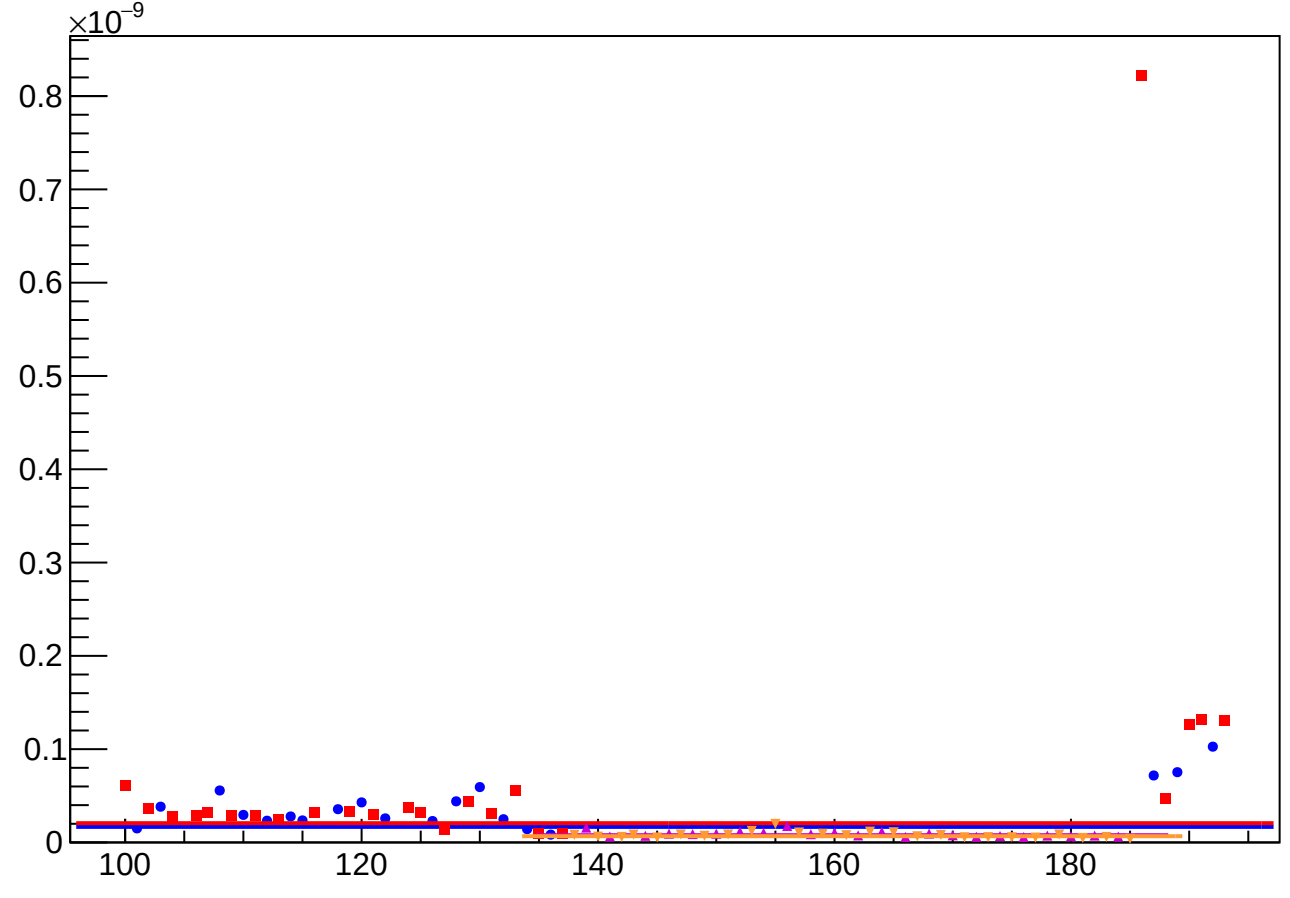
Right Out: 0.000+/-0.000 χ^2/NDF: 32.7/23

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: 92.4/90

- sign -0.000+/-0.000 χ^2/NDF: 61.9/46



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: 4684232.2/23

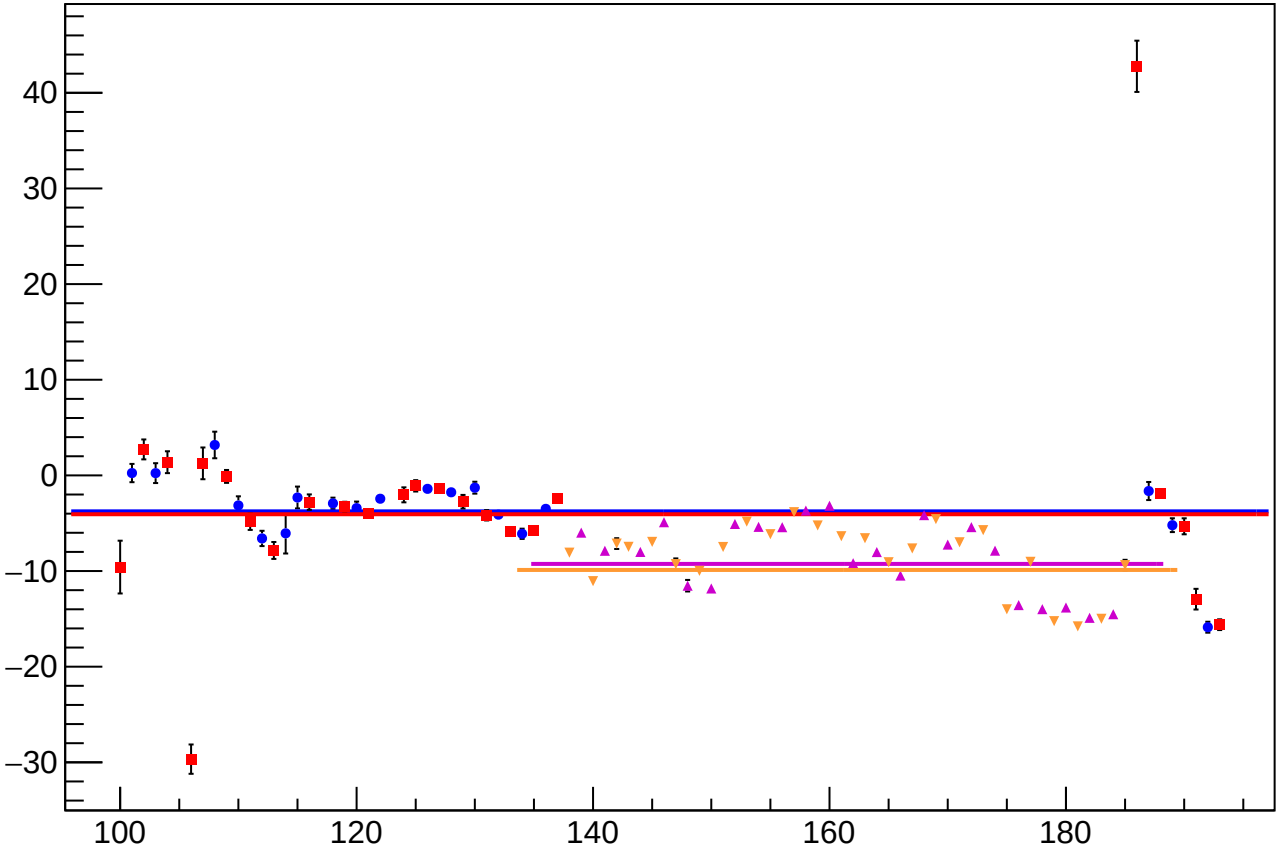
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8926689.9/43

All: 0.000+/-0.000 χ^2/NDF: 18641434.3/90

- sign 0.000+/-0.000 χ^2/NDF: 9391617.1/46

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: -4.062+/-0.123 χ^2/NDF: 1383.8/23

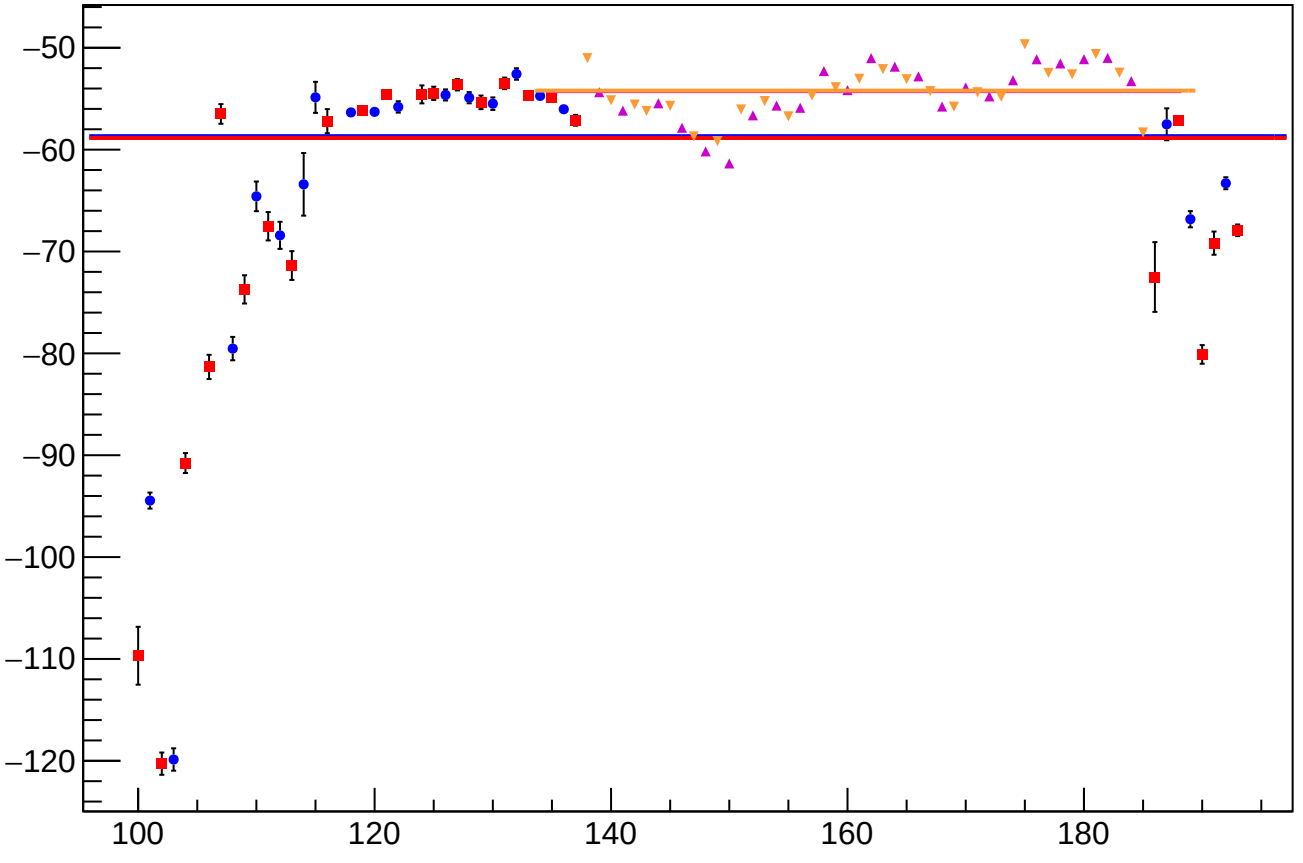
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.495+/-0.061 χ^2/NDF: 5586.1/43

All: -8.221+/-0.043 χ^2/NDF: 11408.3/90

- sign -7.941+/-0.062 χ^2/NDF: 5781.6/46

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: -58.857+/-0.127 χ^2/NDF: 6753.3/23

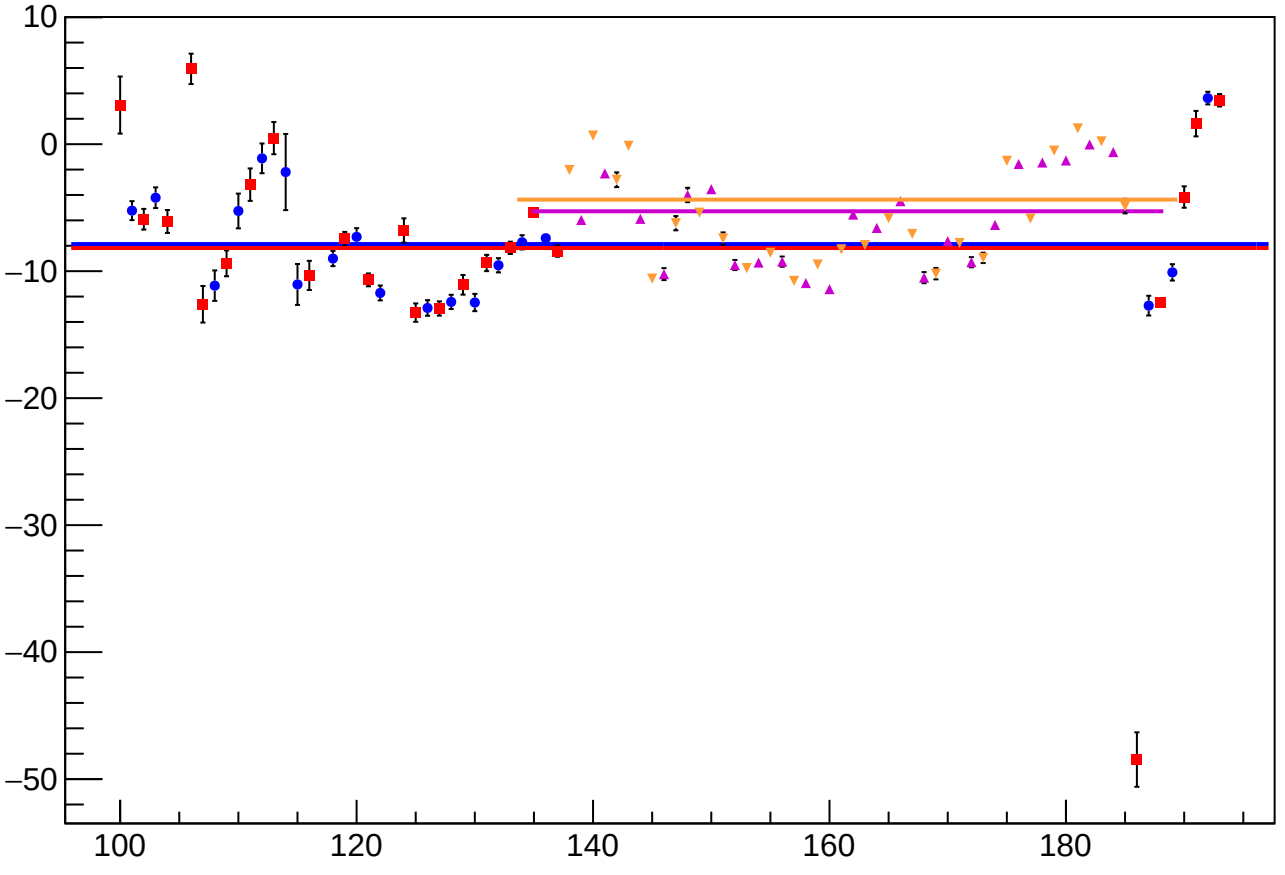
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -54.904+/-0.051 χ^2/NDF: 9164.2/43

All: -54.976+/-0.037 χ^2/NDF: 19489.2/90

- sign -55.054+/-0.053 χ^2/NDF: 10320.8/46

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: -8.179+/-0.125 χ^2/NDF: 1797.5/23

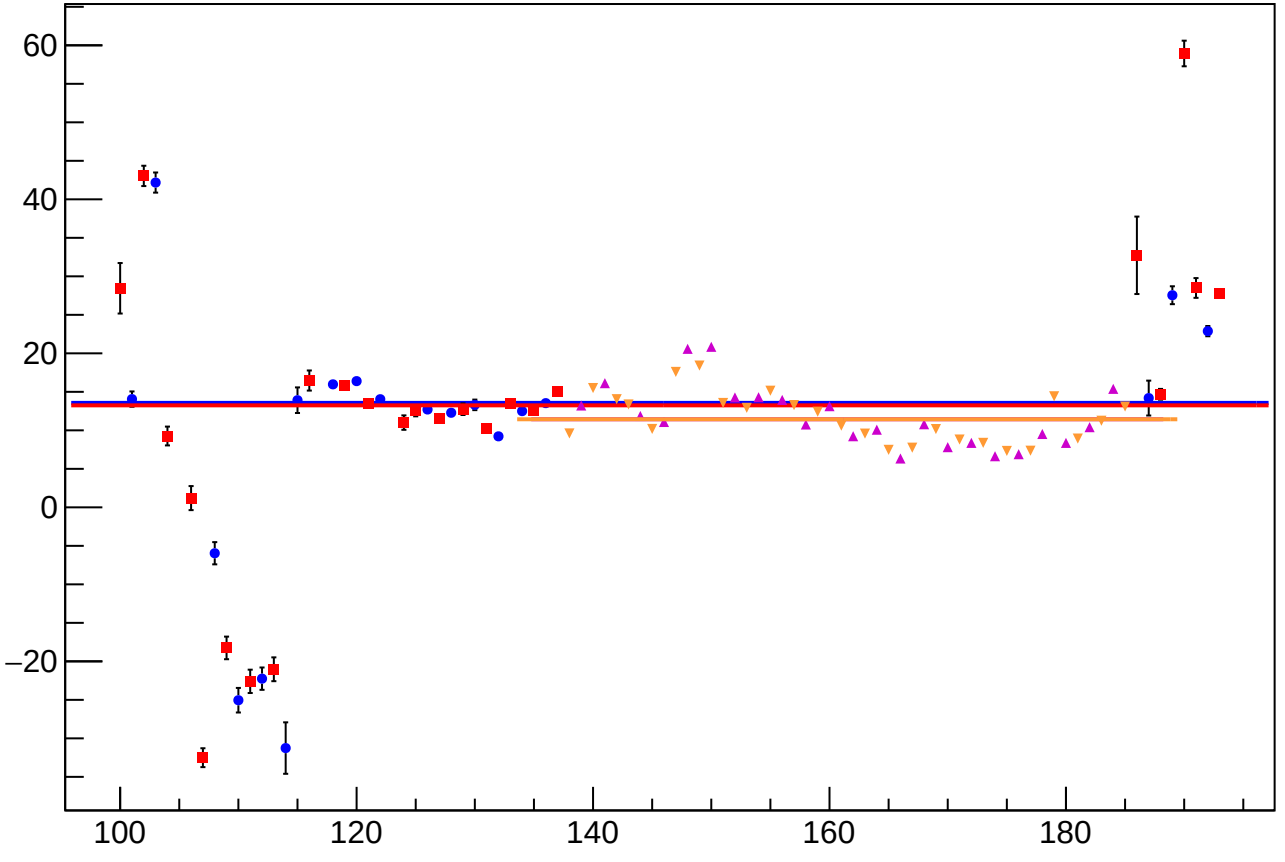
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -5.105+/-0.062 χ^2/NDF: 5147.9/43

All: -5.546+/-0.044 χ^2/NDF: 10204.7/90

- sign -5.991+/-0.062 χ^2/NDF: 4953.6/46

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: 13.246+/-0.146 χ^2/NDF: 5020.2/23

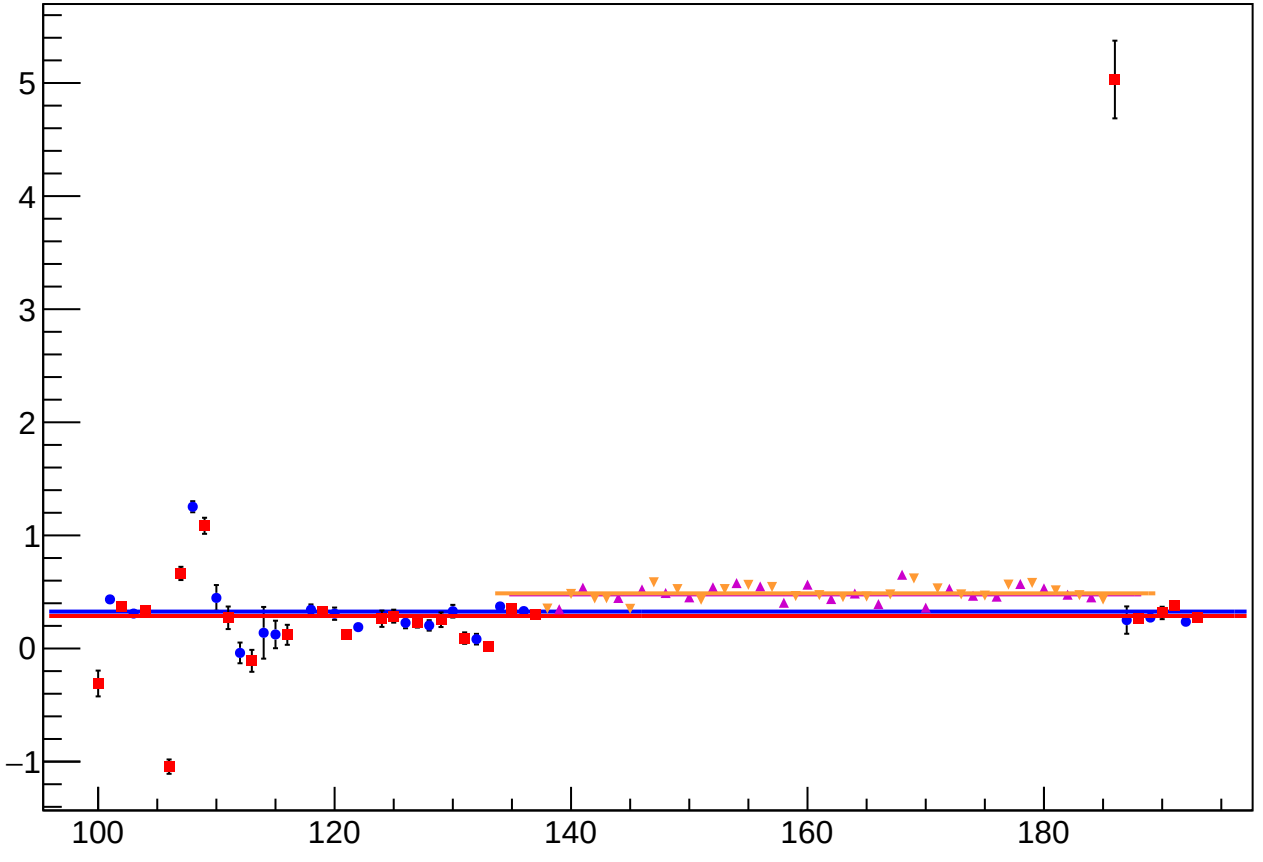
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 11.766+/-0.057 χ^2/NDF: 5109.4/43

All: 11.750+/-0.041 χ^2/NDF: 13616.5/90

\- sign 11.734+/-0.059 χ^2/NDF: 8507.0/46

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: 0.287+/-0.007 χ^2/NDF: 977.1/23

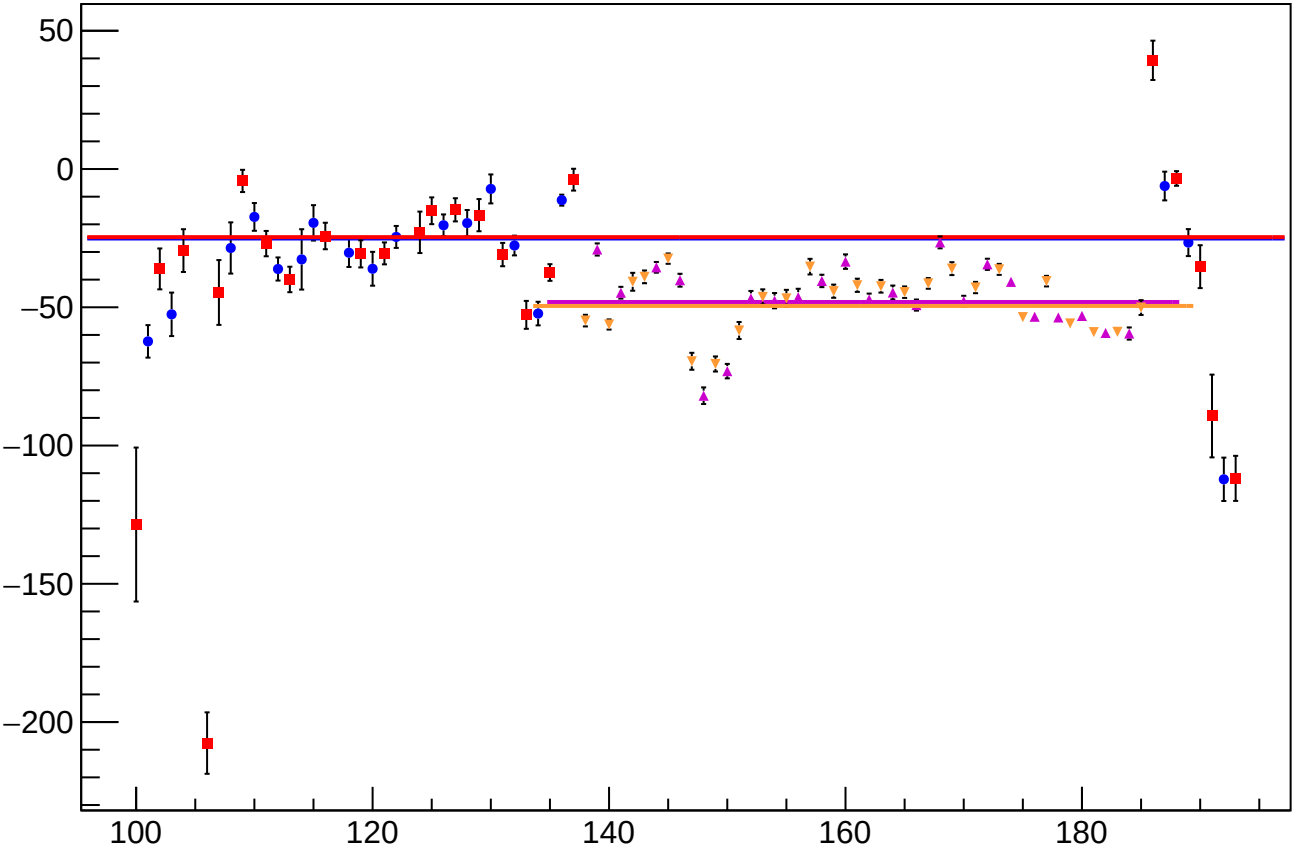
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.468+/-0.003 χ^2/NDF: 1431.5/43

All: 0.461+/-0.002 χ^2/NDF: 3814.4/90

- sign 0.455+/-0.003 χ^2/NDF: 2370.1/46

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: -24.640+/-1.014 χ^2/NDF: 702.3/23

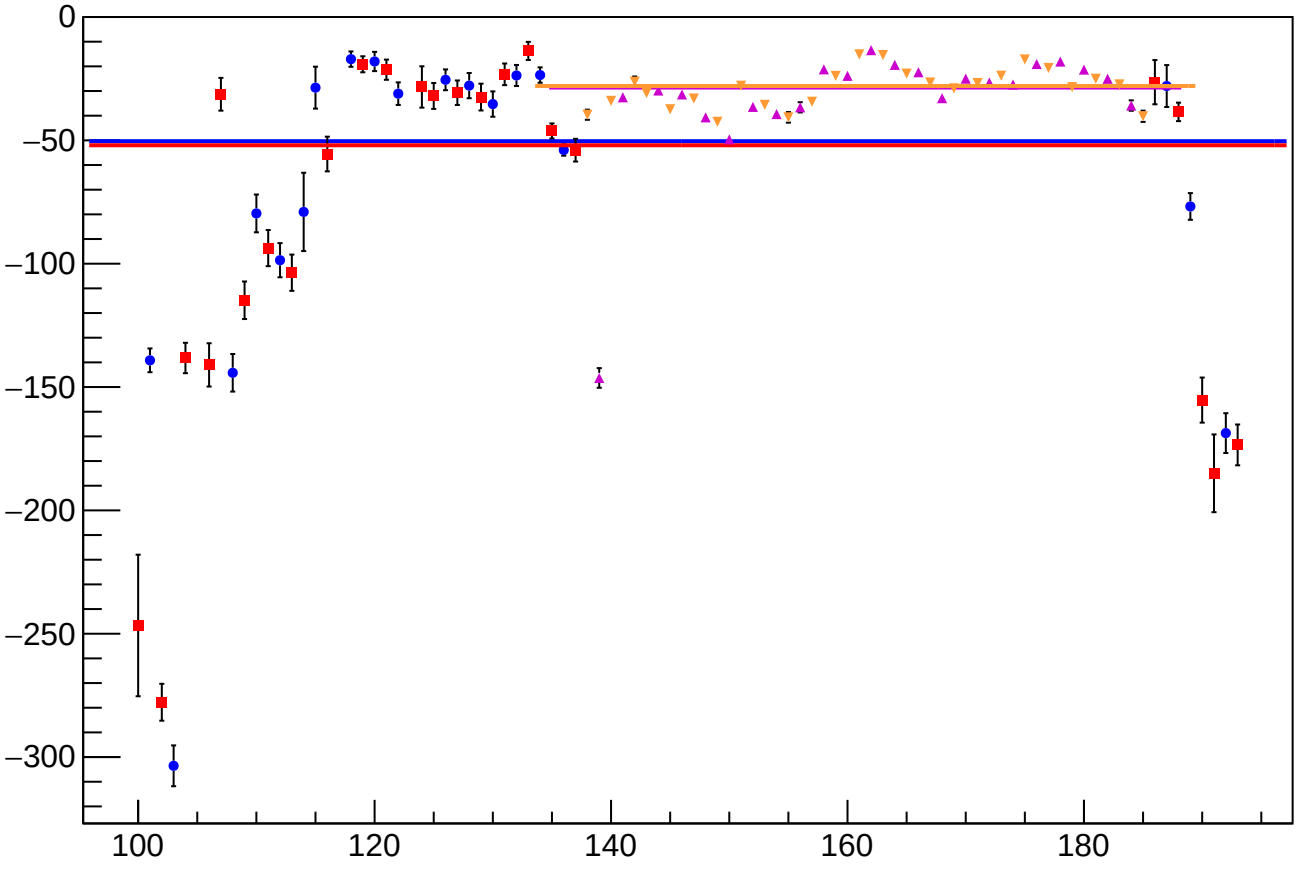
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.286+/-0.375 χ^2/NDF: 1371.3/43

All: -45.505+/-0.269 χ^2/NDF: 3245.6/90

- sign -44.674+/-0.387 χ^2/NDF: 1865.4/46

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: -51.997+/-1.098 χ^2/NDF: 2217.5/23

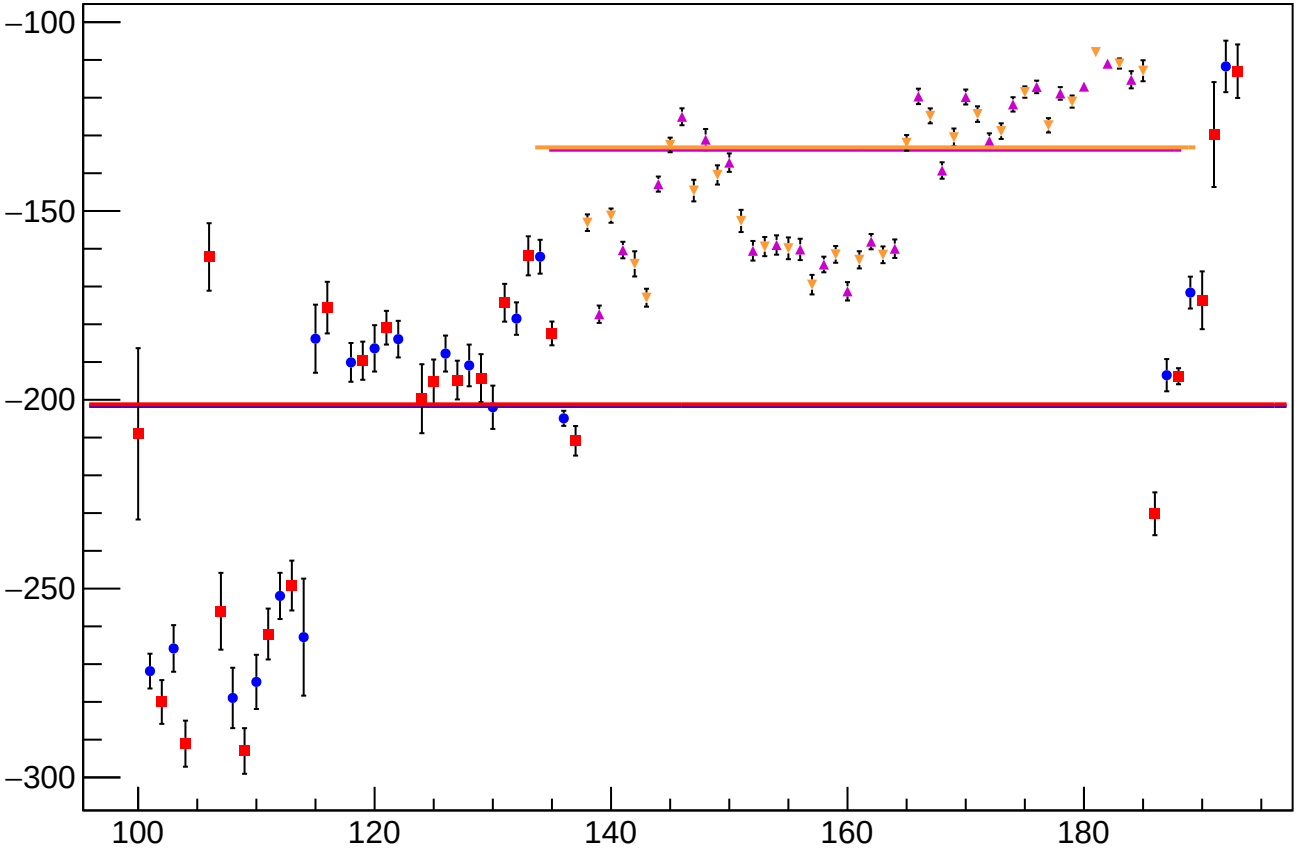
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

\+ sign -29.836+/-0.307 χ^2/NDF: 3032.4/43

All: -30.189+/-0.221 χ^2/NDF: 7149.3/90

\- sign -30.571+/-0.319 χ^2/NDF: 4114.2/46

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: -201.207+/-1.051 χ^2/NDF: 1220.4/23

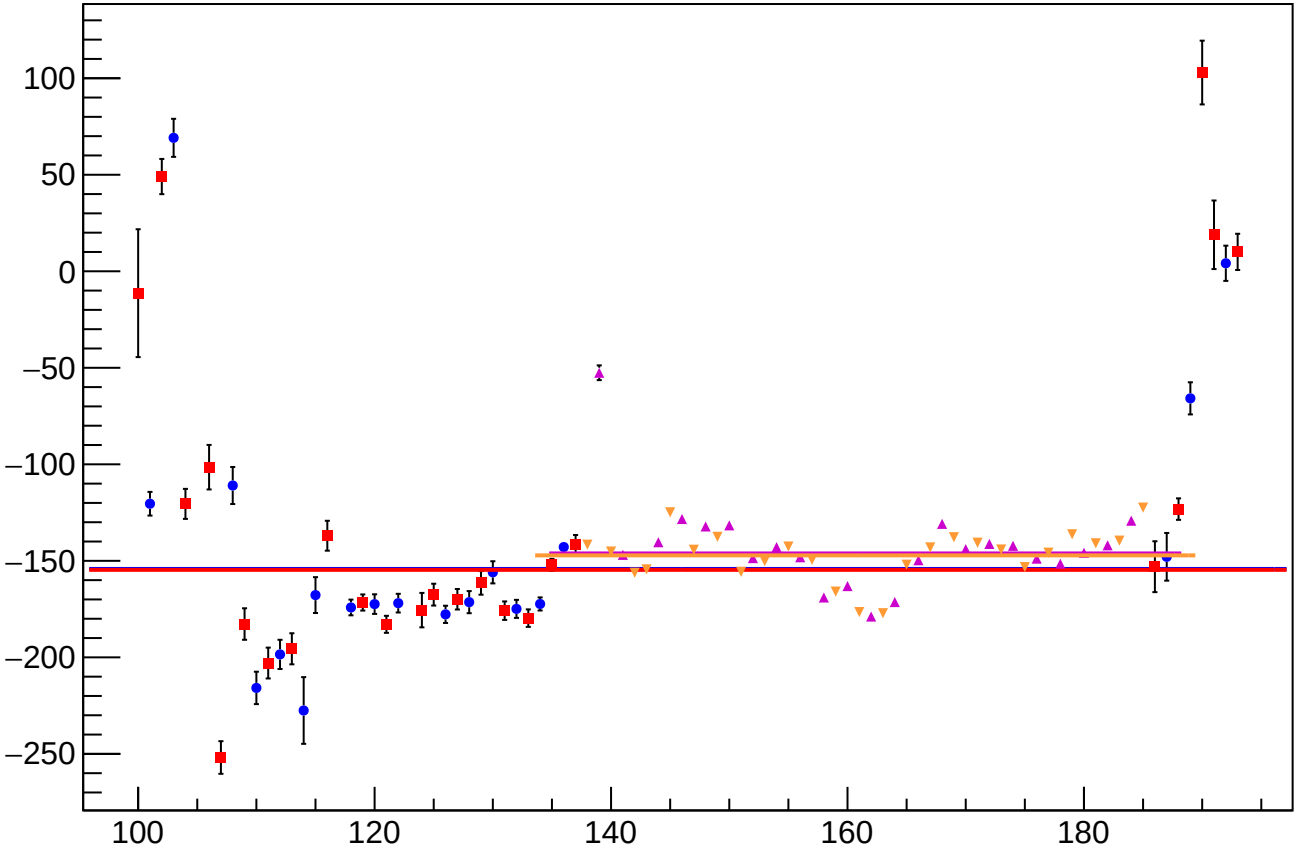
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.481+/-0.378 χ^2/NDF: 7041.6/43

All: -142.192+/-0.270 χ^2/NDF: 14263.5/90

- sign -142.940+/-0.388 χ^2/NDF: 7214.6/46

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: -154.667+/-1.263 χ^2/NDF: 1585.8/23

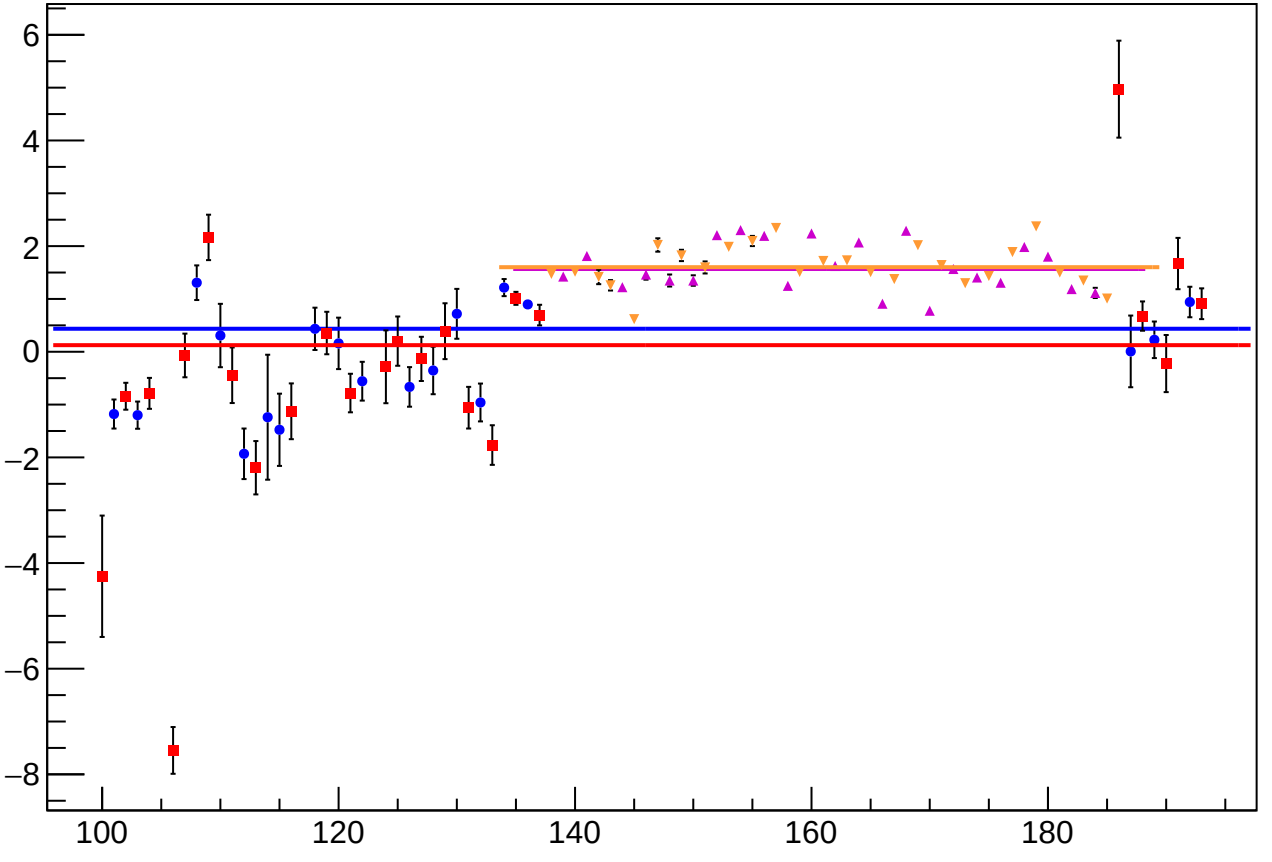
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -147.746+/-0.343 χ^2/NDF: 2523.3/43

All: -147.312+/-0.247 χ^2/NDF: 5947.8/90

- sign -146.846+/-0.356 χ^2/NDF: 3421.2/46

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: 0.125+/-0.067 χ^2/NDF: 541.8/23

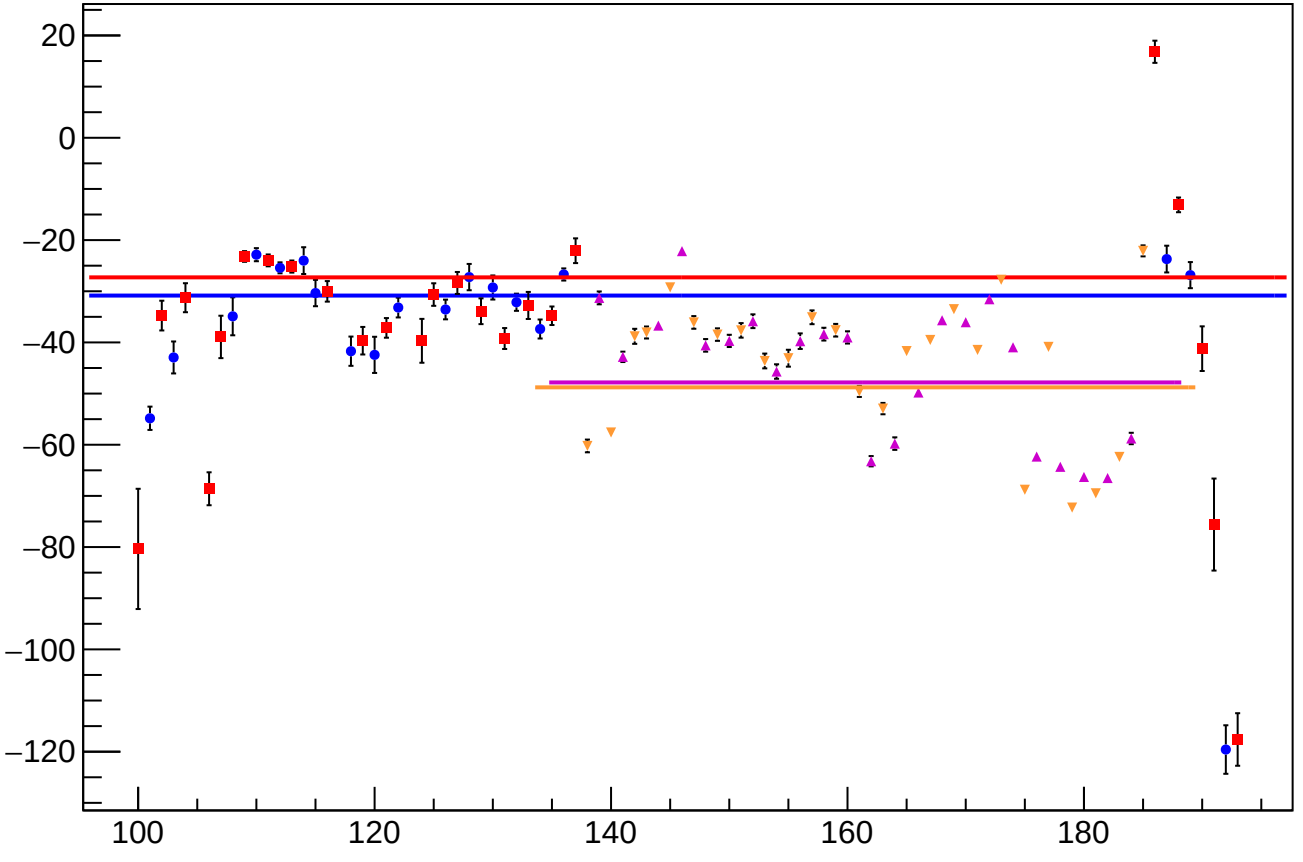
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

\+ sign 1.528+/-0.015 χ^2/NDF: 1115.1/43

All: 1.507+/-0.011 χ^2/NDF: 2836.9/90

\- sign 1.485+/-0.016 χ^2/NDF: 1718.1/46

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: -27.284+/-0.418 χ^2/NDF: 1215.0/23

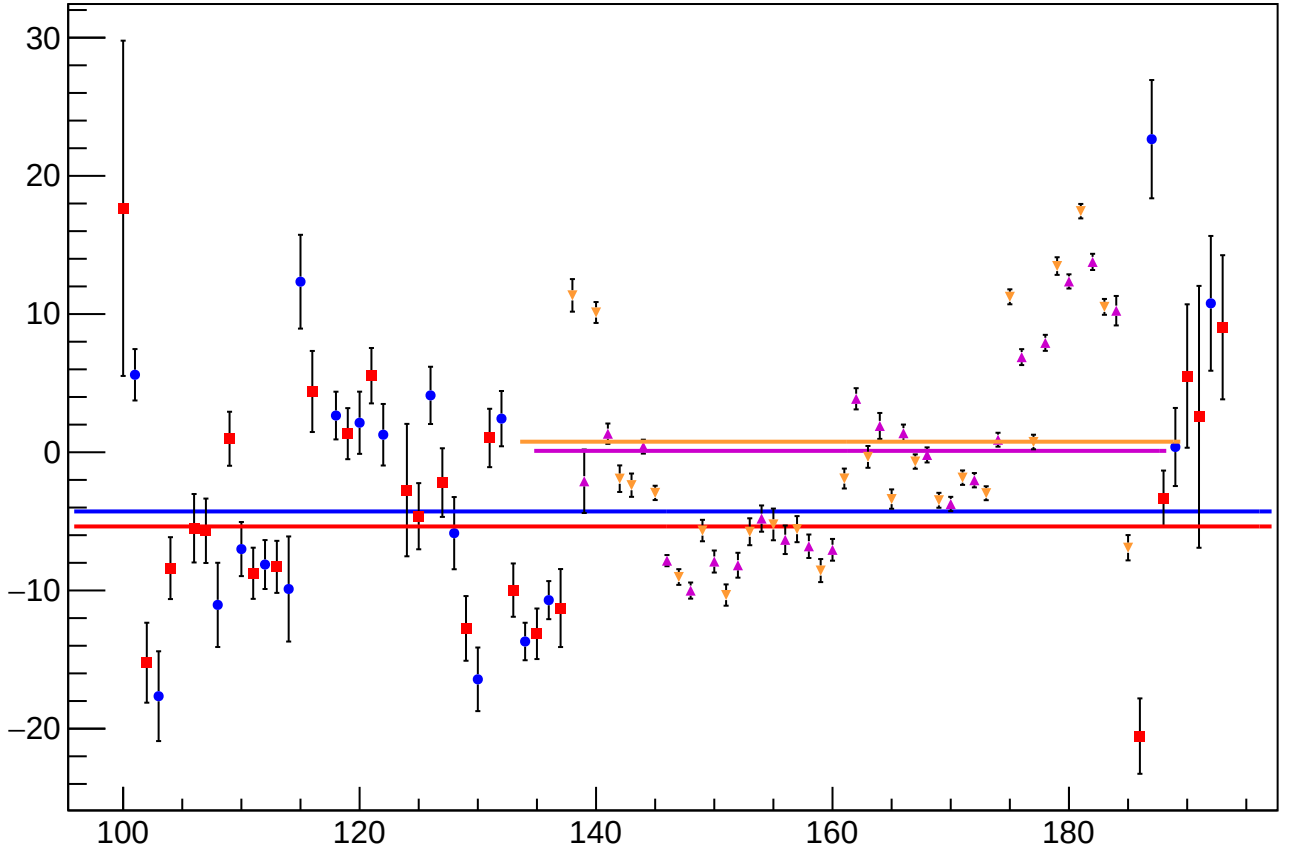
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.626+/-0.156 χ^2/NDF: 10959.9/43

All: -45.772+/-0.111 χ^2/NDF: 21530.6/90

- sign -44.906+/-0.157 χ^2/NDF: 10510.7/46

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: -5.368+/-0.493 χ^2/NDF: 181.2/23

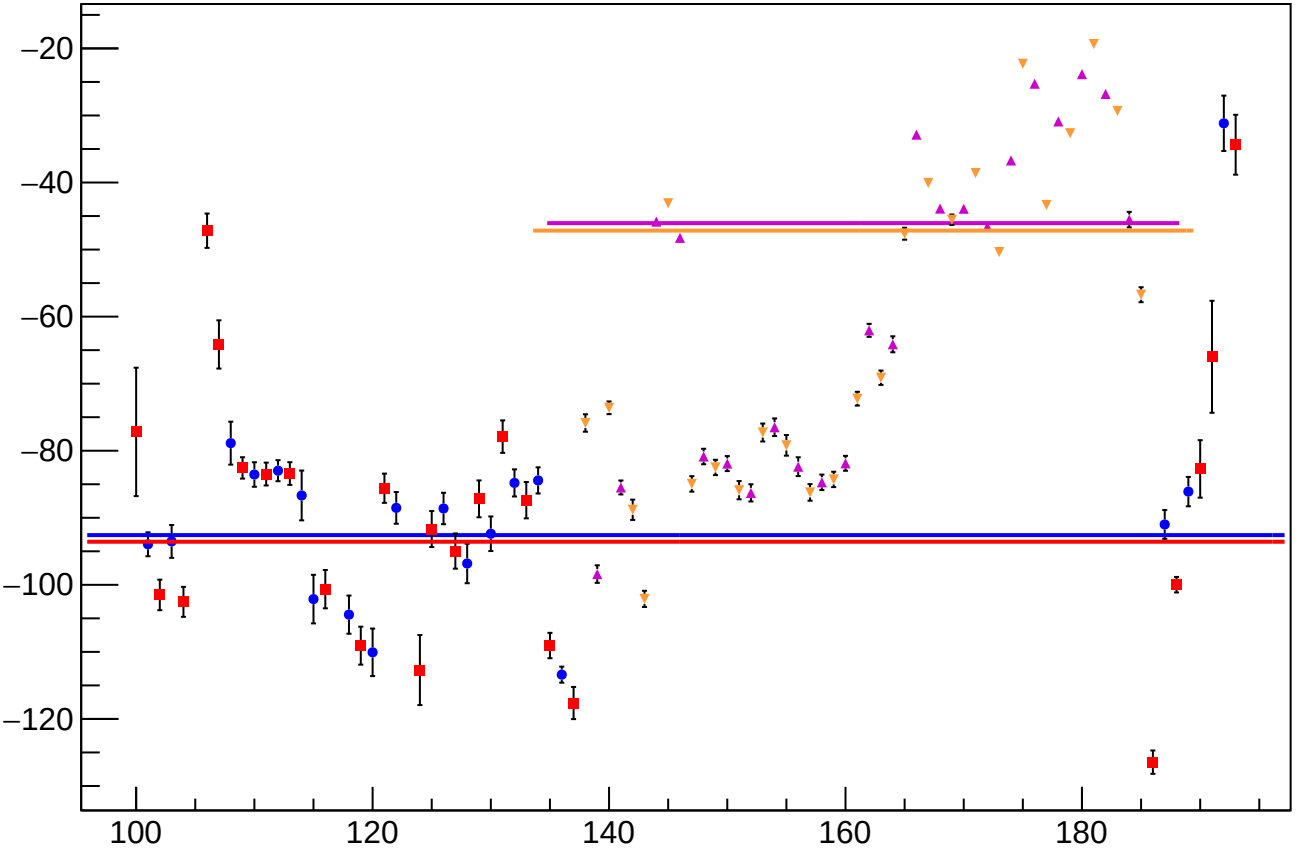
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.430+/-0.128 χ^2/NDF: 3855.2/43

All: 0.082+/-0.091 χ^2/NDF: 6887.8/90

- sign -0.269+/-0.128 χ^2/NDF: 3017.8/46

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: -93.571+/-0.467 χ^2/NDF: 1410.4/23

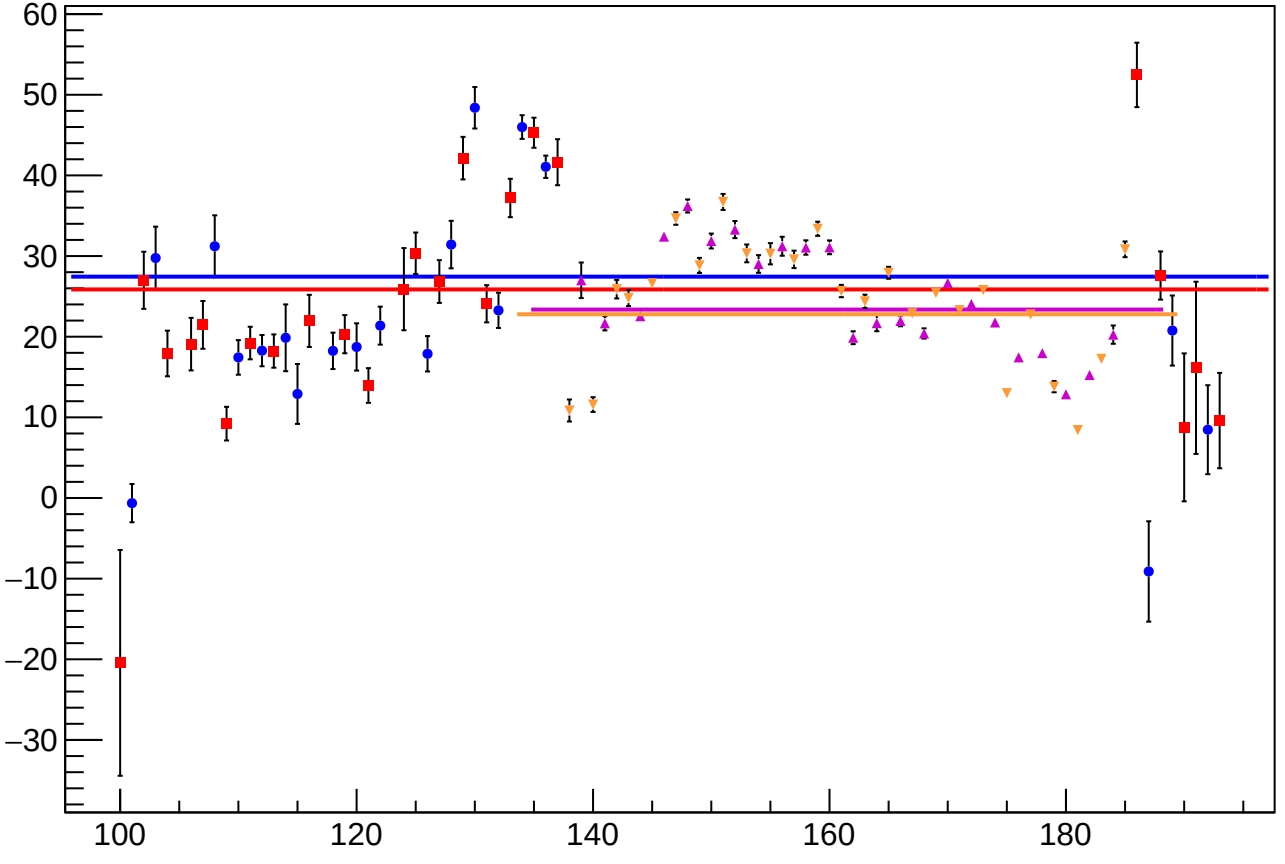
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -51.702+/-0.159 χ^2/NDF: 25701.3/43

All: -51.665+/-0.113 χ^2/NDF: 51021.7/90

- sign -51.628+/-0.160 χ^2/NDF: 25320.3/46

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: 25.862+/-0.569 χ^2/NDF: 411.6/23

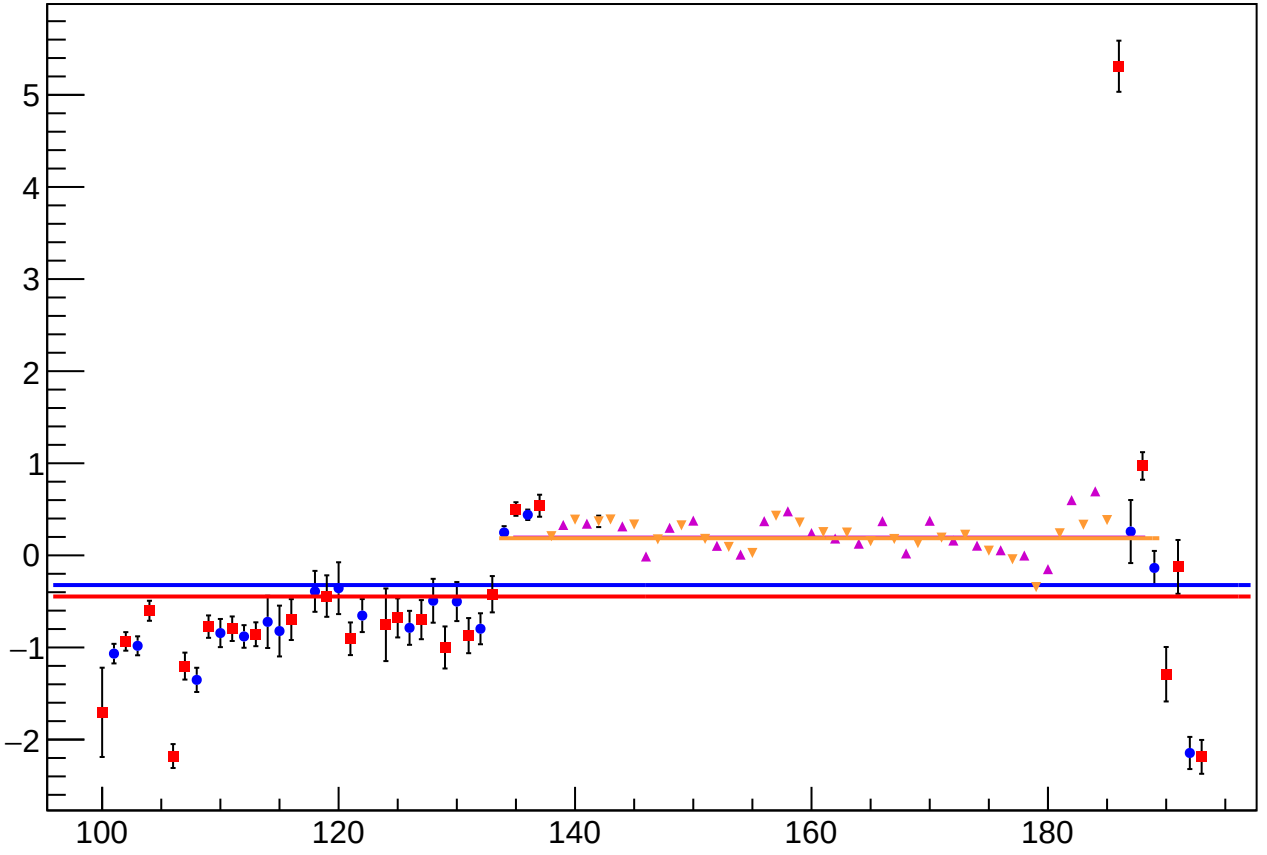
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.085+/-0.142 χ^2/NDF: 3111.1/43

All: 23.303+/-0.101 χ^2/NDF: 5330.8/90

- sign 23.526+/-0.144 χ^2/NDF: 2215.0/46

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: -0.447+/-0.031 χ^2/NDF: 1136.3/23

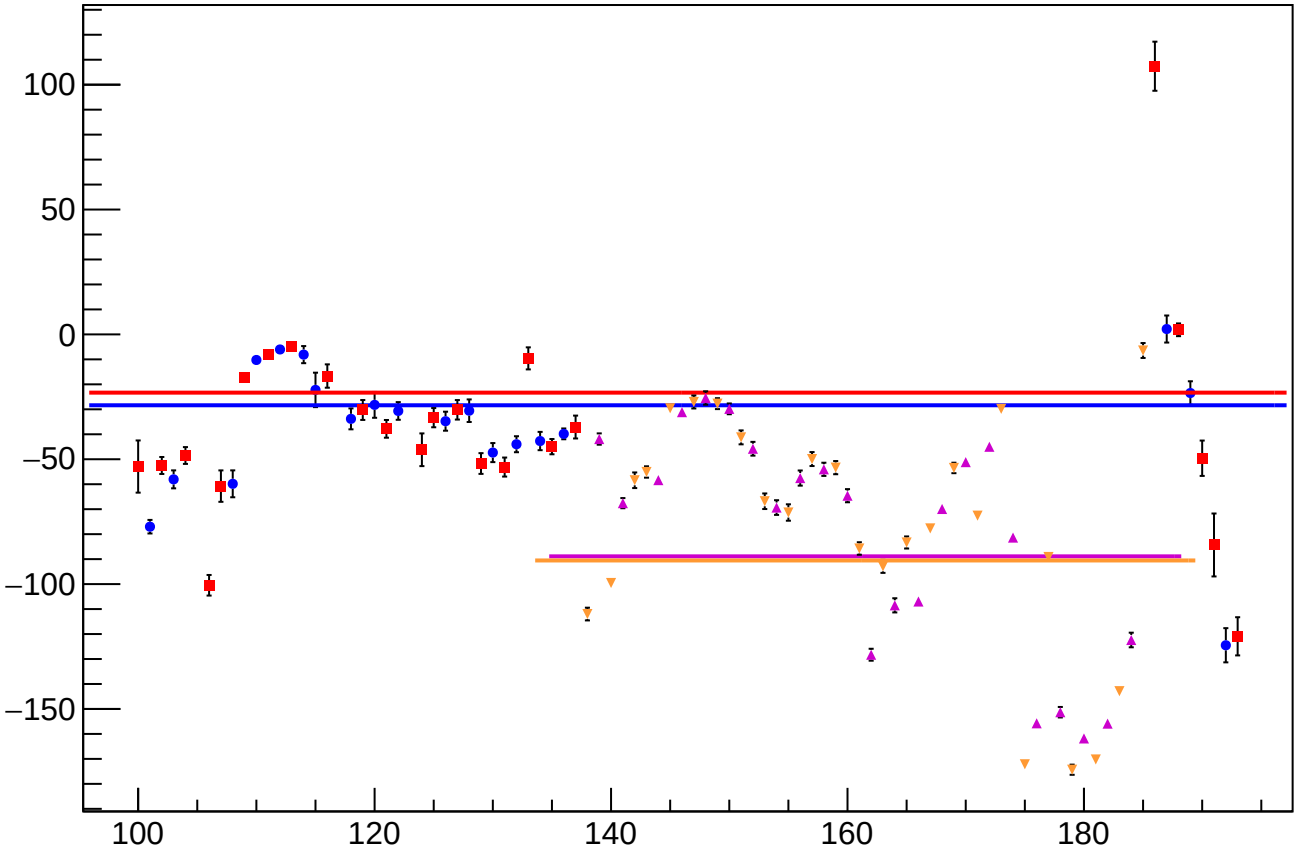
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

\+ sign 0.162+/-0.006 χ^2/NDF: 1496.6/43

All: 0.164+/-0.005 χ^2/NDF: 3977.0/90

\- sign 0.165+/-0.007 χ^2/NDF: 2480.3/46

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: -23.324+/-0.635 χ^2/NDF: 1466.9/23

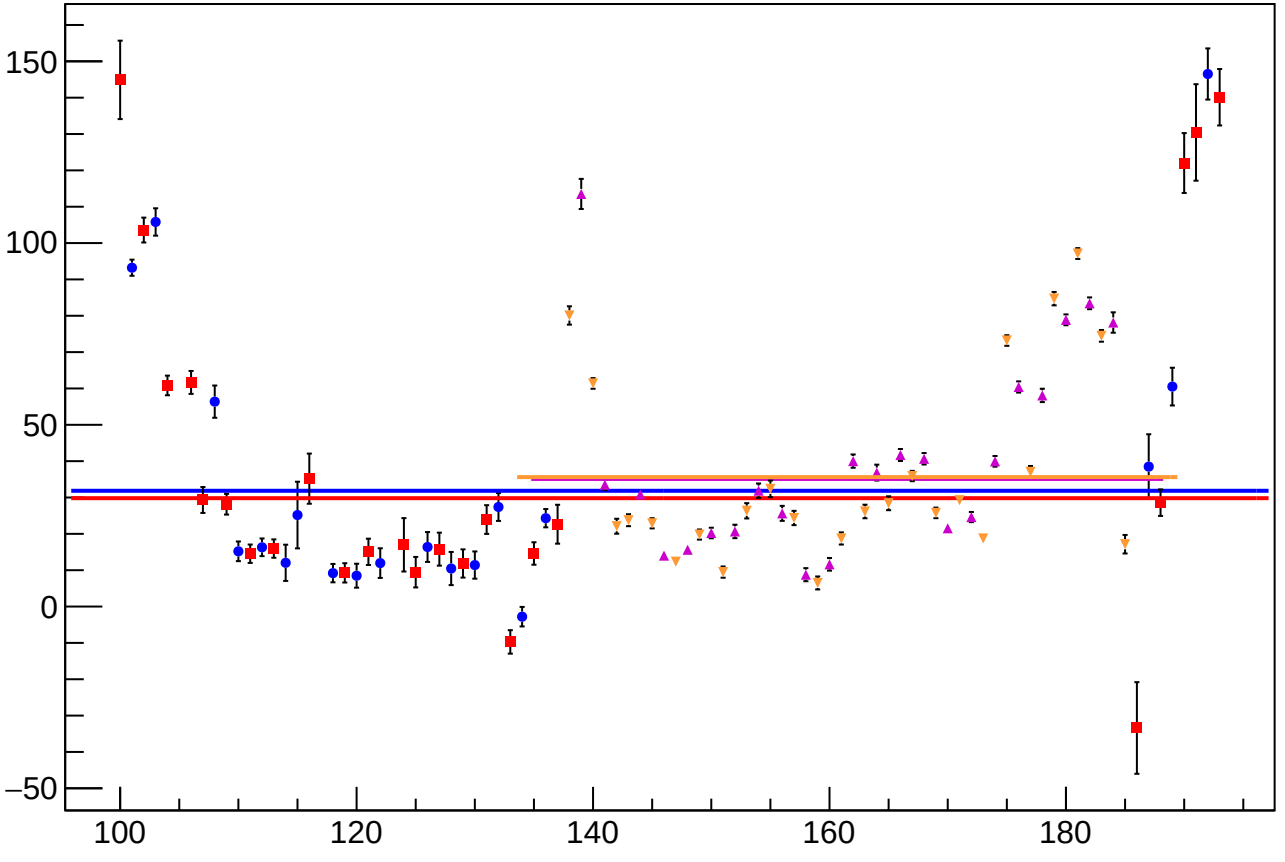
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -74.315+/-0.362 χ^2/NDF: 22162.7/43

All: -71.106+/-0.255 χ^2/NDF: 42868.1/90

- sign -67.961+/-0.359 χ^2/NDF: 20549.9/46

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: 29.813+/-0.769 χ^2/NDF: 1601.9/23

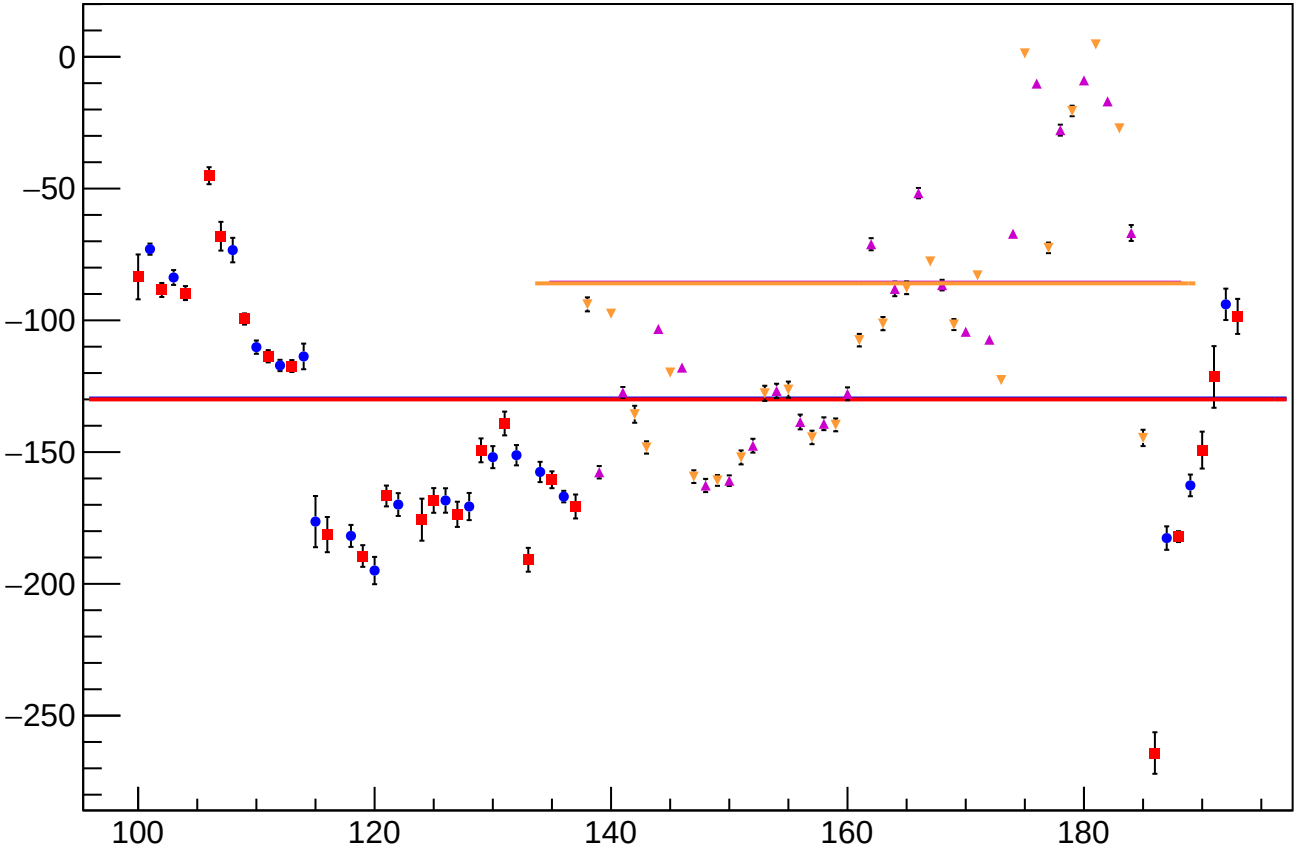
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 35.064+/-0.301 χ^2/NDF: 7962.2/43

All: 34.671+/-0.215 χ^2/NDF: 13751.9/90

- sign 34.260+/-0.308 χ^2/NDF: 5786.2/46

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: -130.006+/-0.731 χ^2/NDF: 3480.0/23

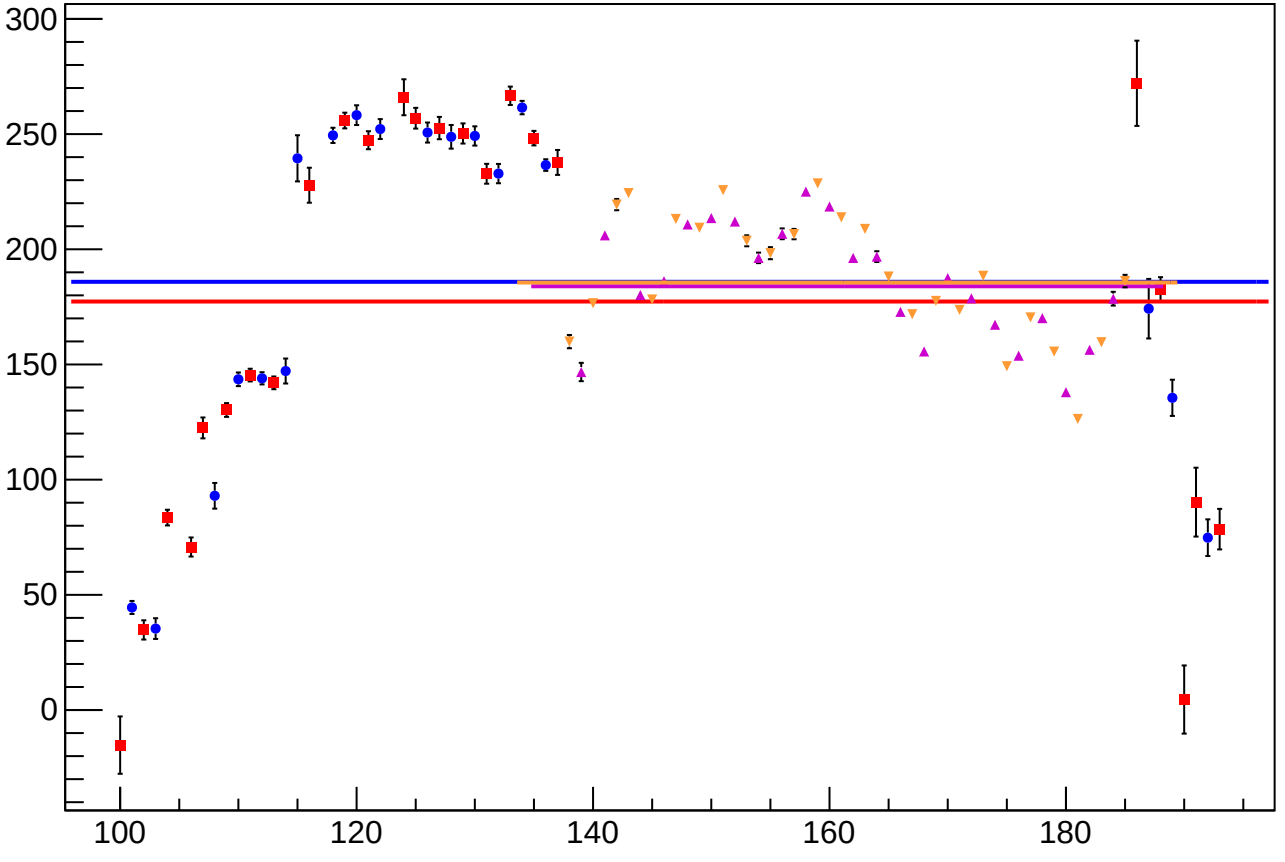
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -95.578+/-0.372 χ^2/NDF: 21033.0/43

All: -96.387+/-0.263 χ^2/NDF: 41003.4/90

- sign -97.198+/-0.372 χ^2/NDF: 19960.9/46

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: 177.325+/-0.886 χ^2/NDF: 6995.5/23

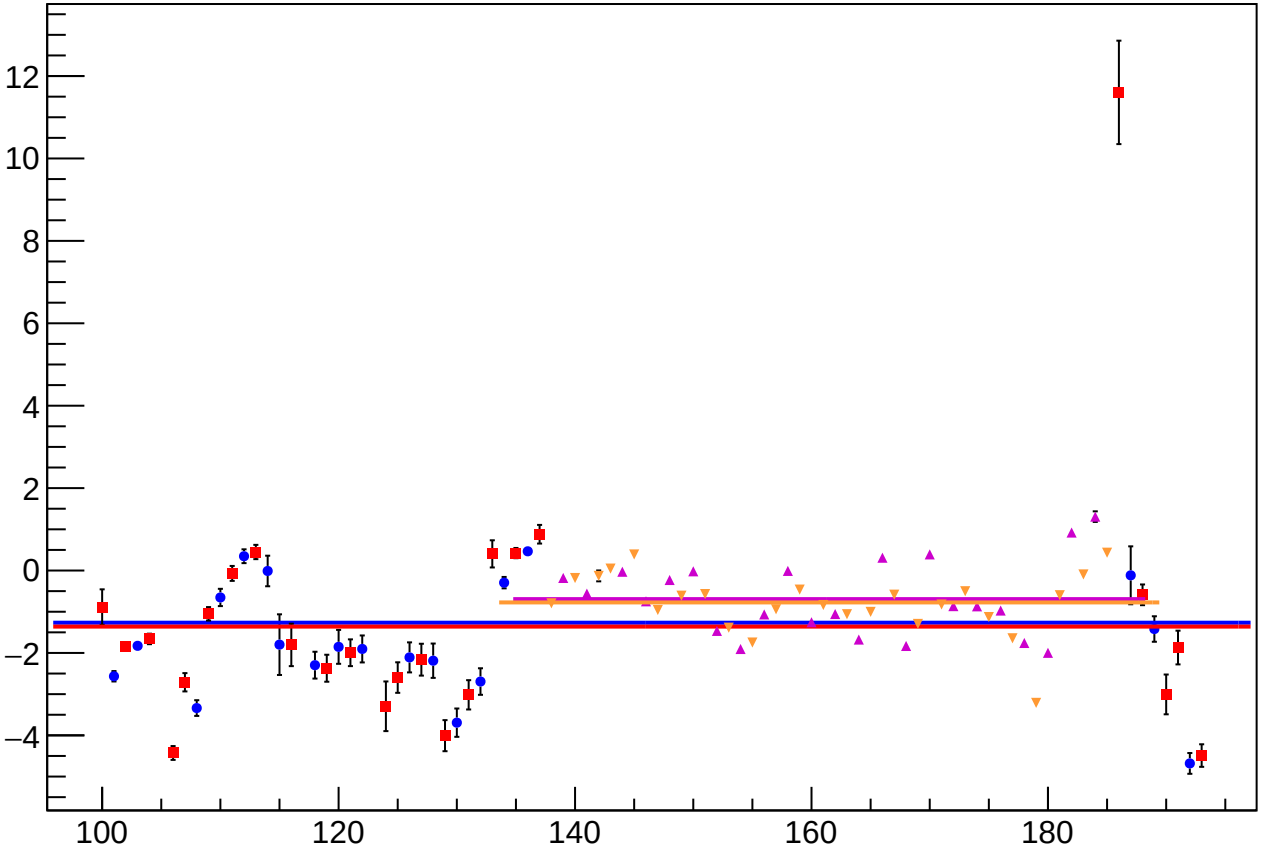
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 185.626+/-0.340 χ^2/NDF: 12715.6/43

All: 184.305+/-0.243 χ^2/NDF: 23662.7/90

- sign 182.924+/-0.347 χ^2/NDF: 10916.2/46

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: -1.361+/-0.045 χ^2/NDF: 1260.5/23

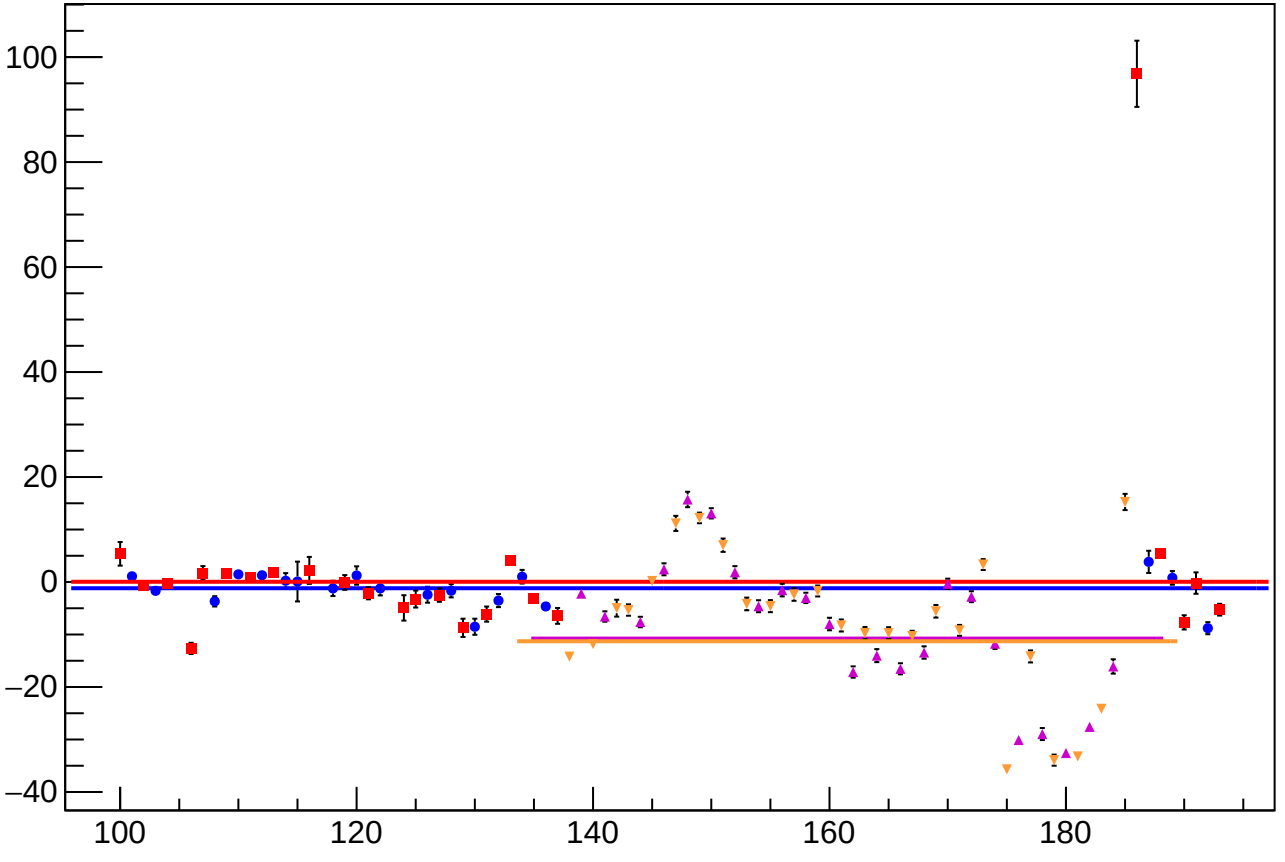
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.829+/-0.015 χ^2/NDF: 2902.6/43

All: -0.802+/-0.011 χ^2/NDF: 6924.2/90

- sign -0.774+/-0.016 χ^2/NDF: 4015.4/46

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: 0.047+/-0.203 χ^2/NDF: 653.2/23

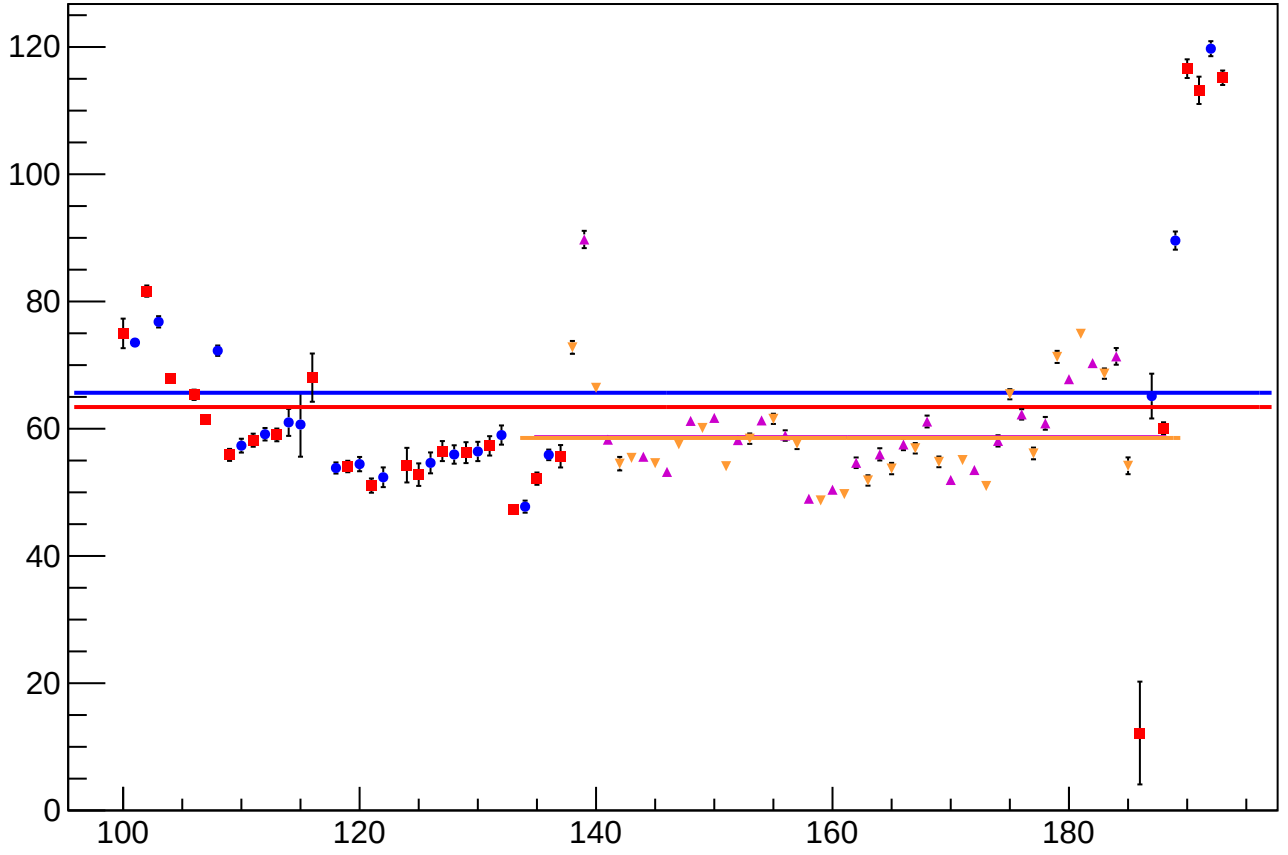
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -6.980+/-0.158 χ^2/NDF: 5660.4/43

All: -5.976+/-0.108 χ^2/NDF: 11438.2/90

- sign -5.100+/-0.147 χ^2/NDF: 5701.7/46

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: 63.409+/-0.227 χ^2/NDF: 5682.9/23

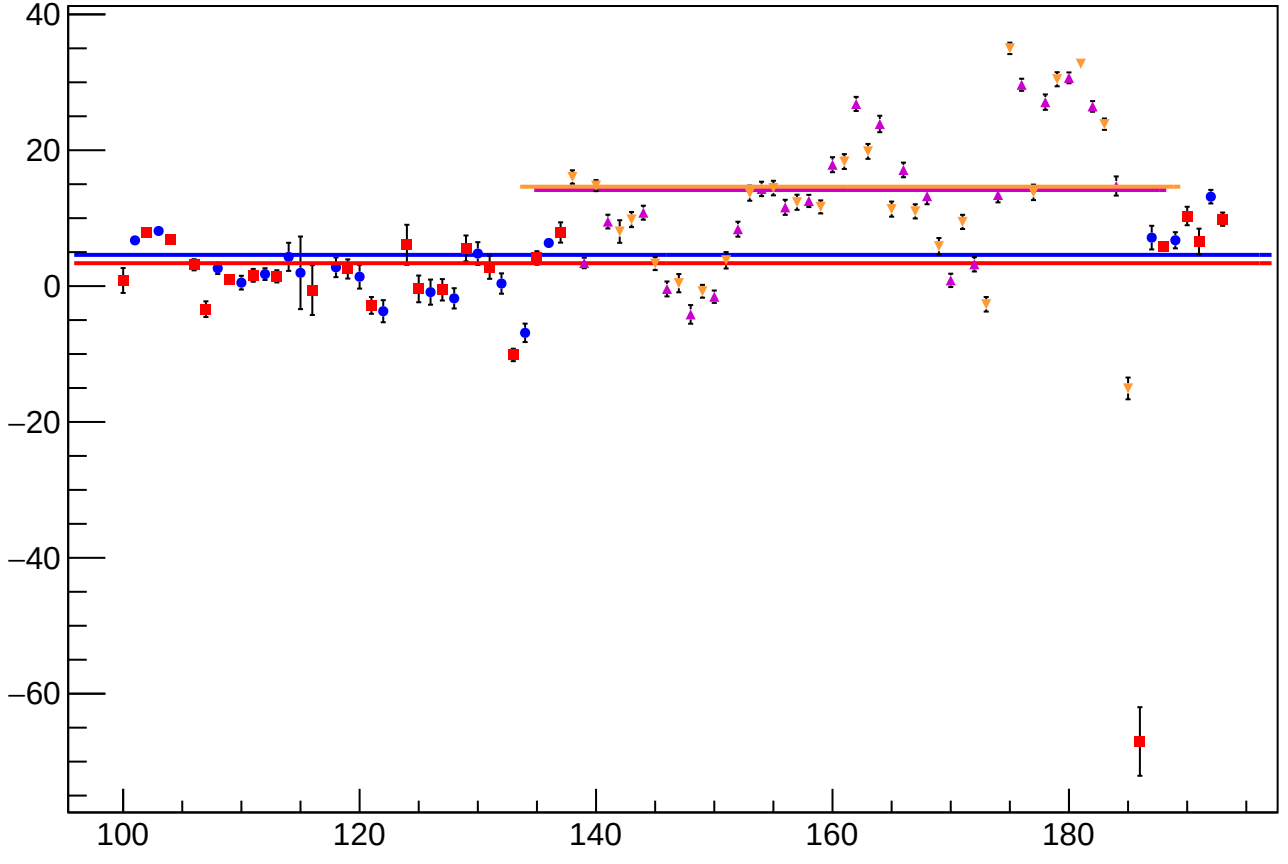
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 60.588+/-0.136 χ^2/NDF: 6321.9/43

All: 60.473+/-0.096 χ^2/NDF: 13900.1/90

- sign 60.360+/-0.135 χ^2/NDF: 7576.7/46

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: 3.371+/-0.211 χ^2/NDF: 683.2/23

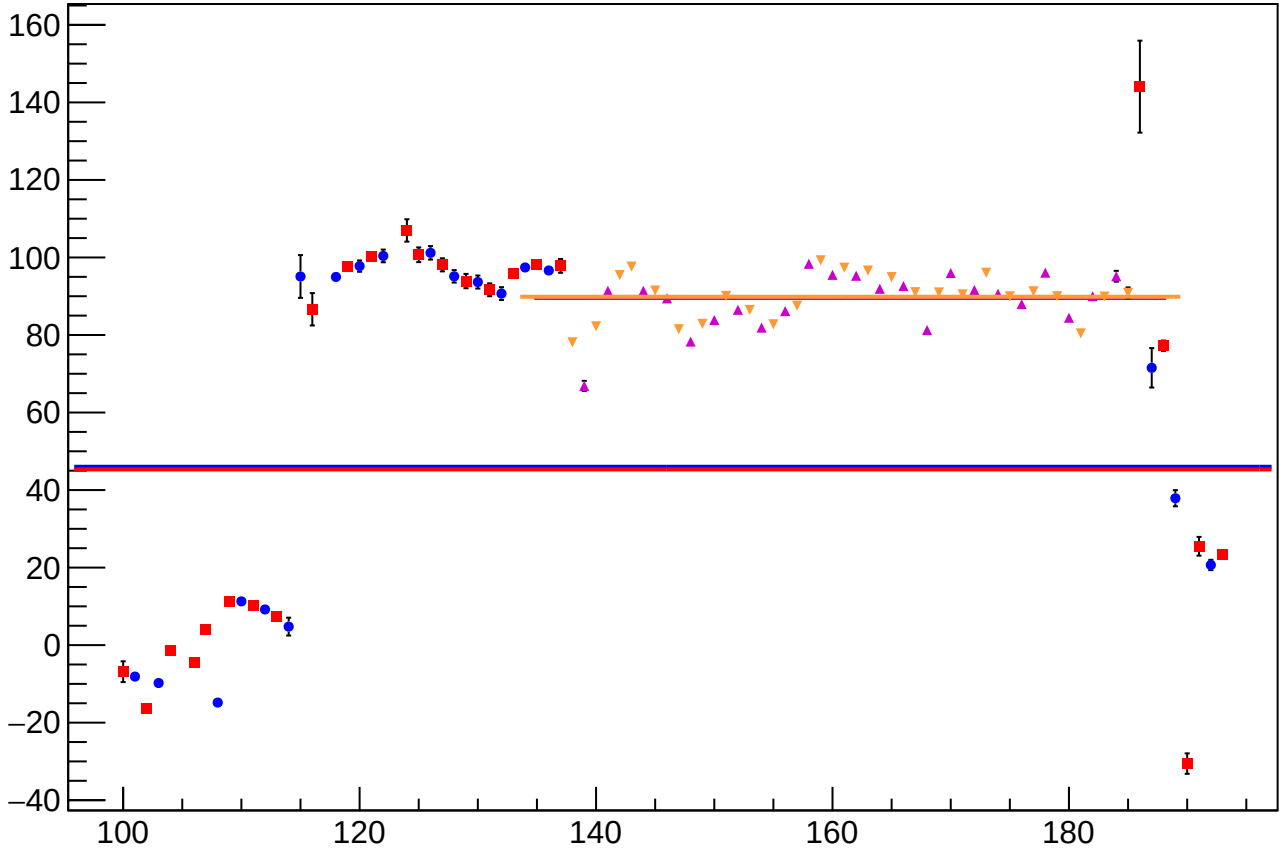
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.522+/-0.159 χ^2/NDF: 4224.1/43

All: 9.590+/-0.109 χ^2/NDF: 8812.6/90

- sign 8.764+/-0.149 χ^2/NDF: 4523.6/46

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: 45.321+/-0.269 χ^2/NDF: 30725.4/23

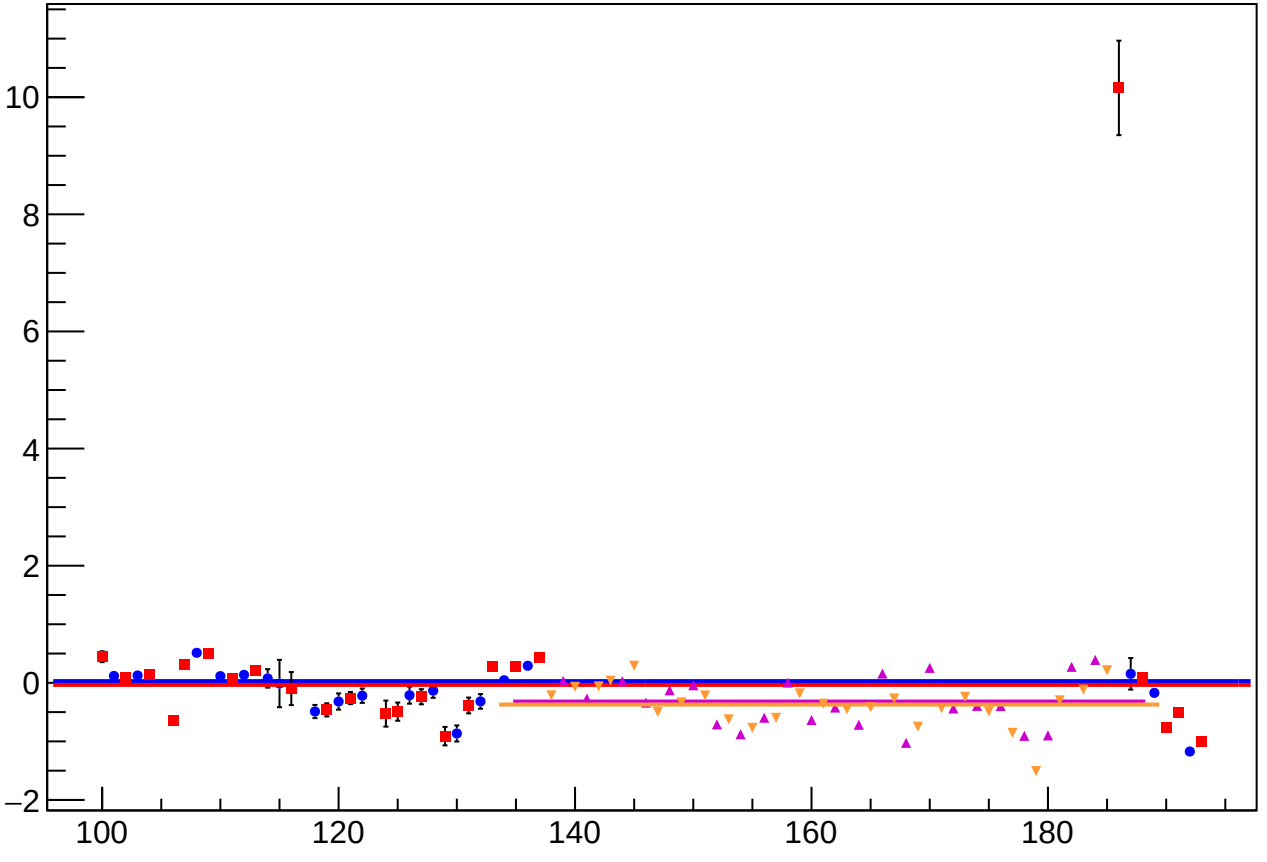
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 77.969+/-0.155 χ^2/NDF: 44313.3/43

All: 76.508+/-0.109 χ^2/NDF: 94517.9/90

- sign 75.062+/-0.154 χ^2/NDF: 50026.9/46

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: -0.035+/-0.012 χ^2/NDF: 1530.1/23

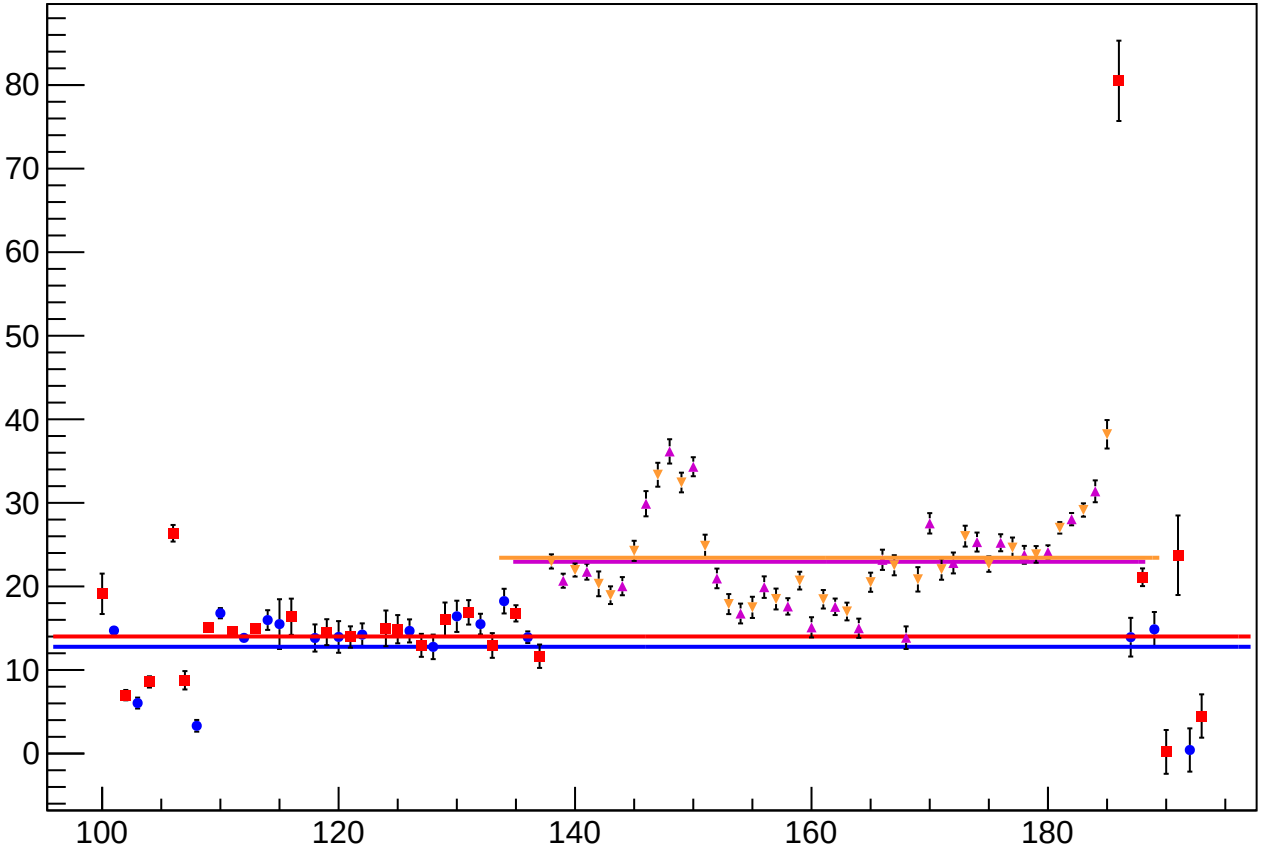
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.262+/-0.007 χ^2/NDF: 3631.3/43

All: -0.247+/-0.005 χ^2/NDF: 7993.1/90

- sign -0.232+/-0.007 χ^2/NDF: 4351.6/46

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: 14.009+/-0.199 χ^2/NDF: 687.2/23

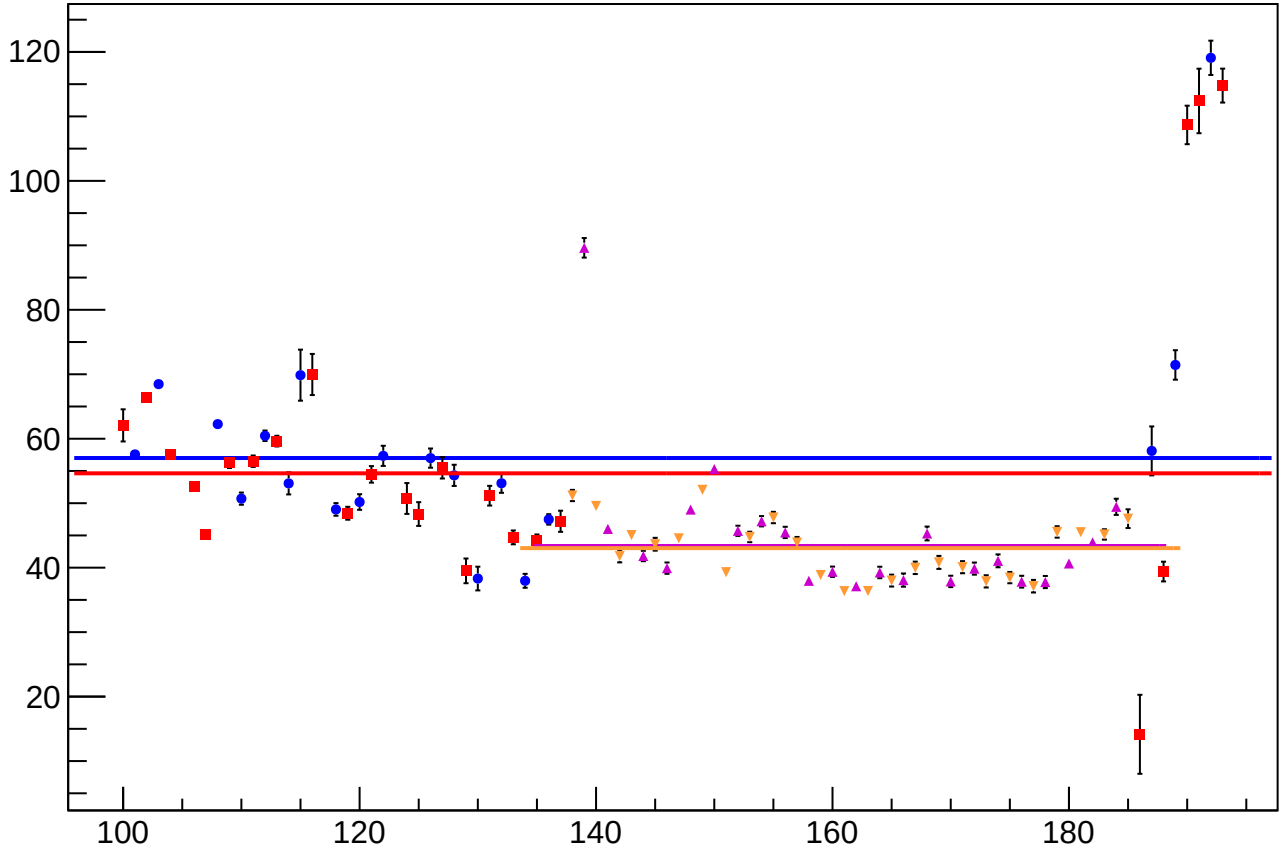
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.990+/-0.151 χ^2/NDF: 2084.4/43

All: 17.956+/-0.106 χ^2/NDF: 4221.5/90

- sign 17.923+/-0.149 χ^2/NDF: 2137.0/46

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: 54.634+/-0.220 χ^2/NDF: 2136.6/23

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 48.161+/-0.133 χ^2/NDF: 5023.3/43

All: 47.979+/-0.096 χ^2/NDF: 10436.9/90

- sign 47.782+/-0.138 χ^2/NDF: 5409.7/46

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: 18.357+/-0.210 χ^2/NDF: 6517.0/23

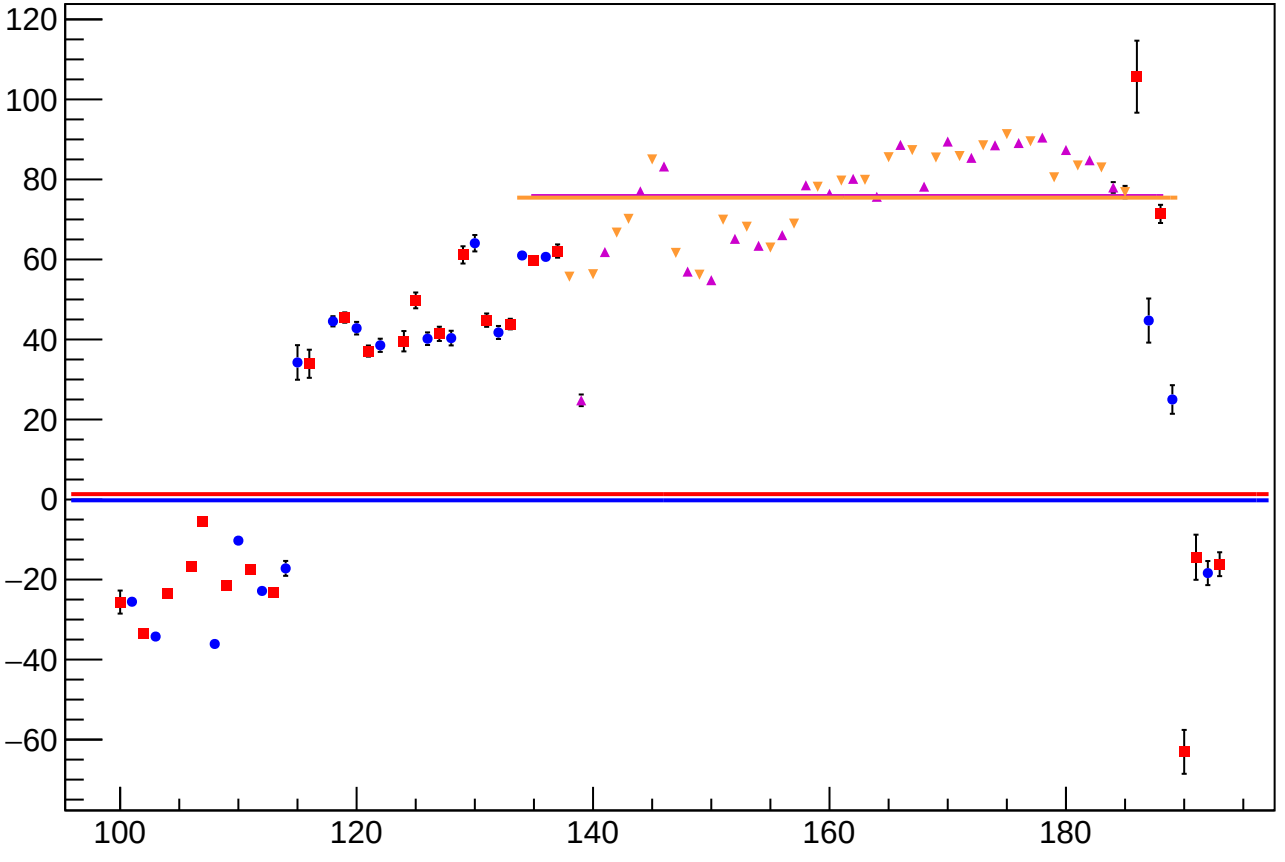
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 34.440+/-0.150 χ^2/NDF: 21740.8/43

All: 34.685+/-0.107 χ^2/NDF: 42521.1/90

- sign 34.939+/-0.153 χ^2/NDF: 20774.9/46

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: 1.346+/-0.260 χ^2/NDF: 17301.1/23

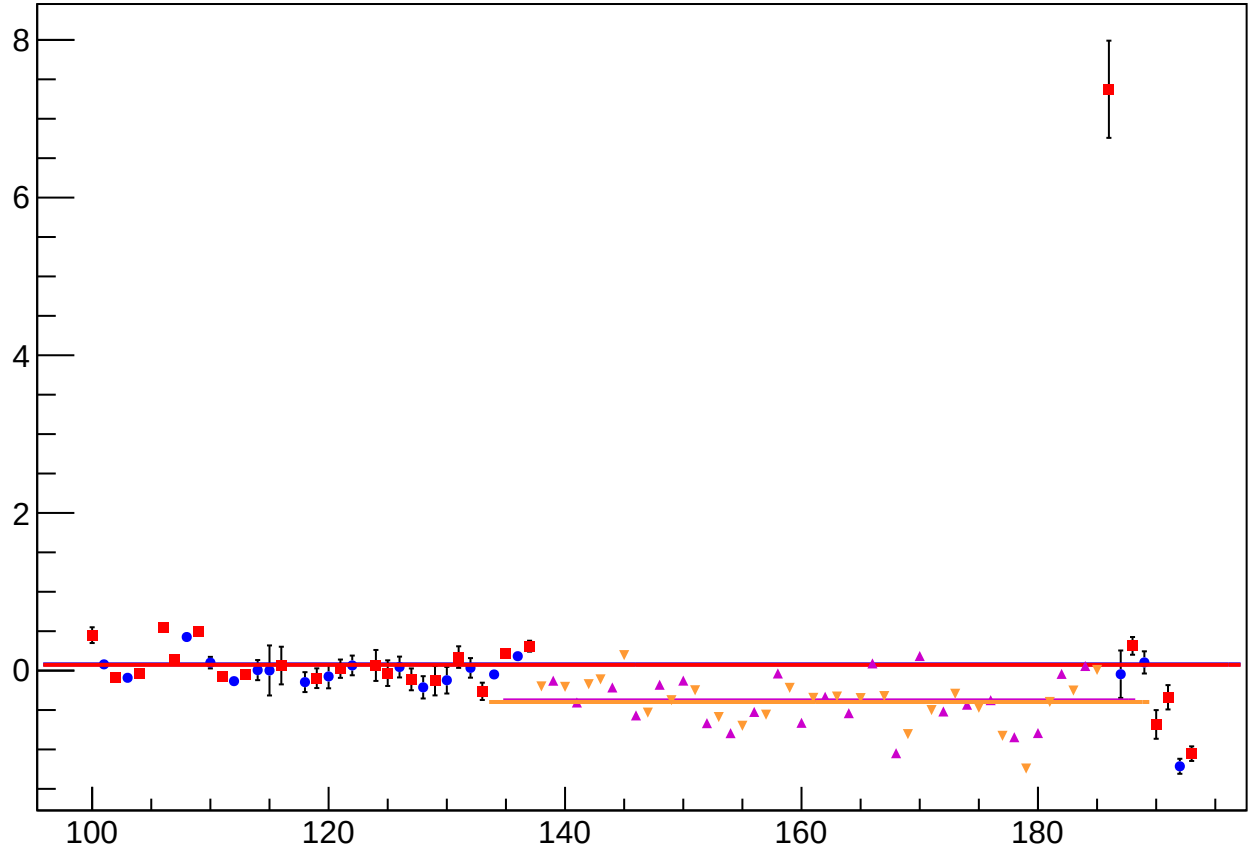
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 49.341+/-0.152 χ^2/NDF: 80325.9/43

All: 49.007+/-0.109 χ^2/NDF: 153966.8/90

- sign 48.651+/-0.157 χ^2/NDF: 73630.9/46

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: 0.073+/-0.011 χ^2/NDF: 719.1/23

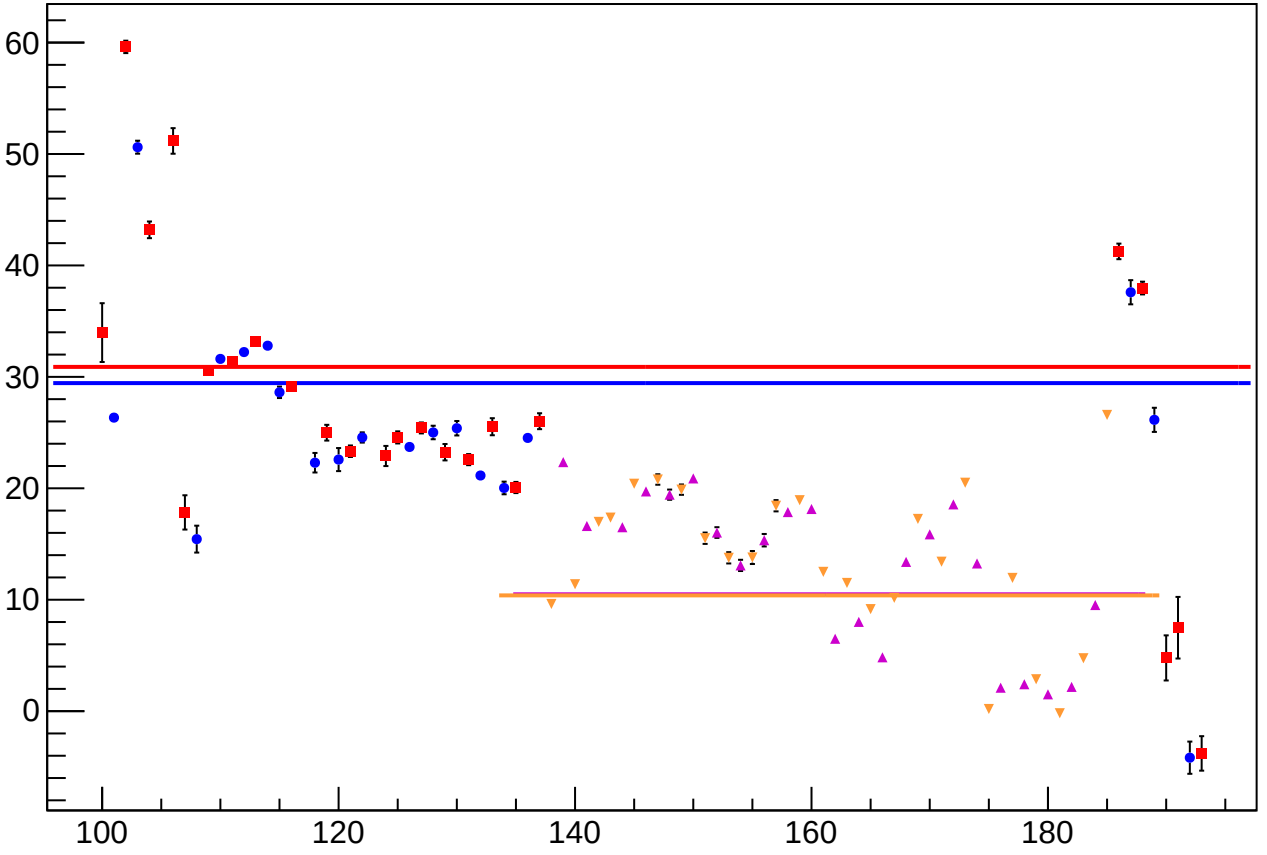
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.224+/-0.007 χ^2/NDF: 2692.0/43

All: -0.217+/-0.005 χ^2/NDF: 5784.8/90

- sign -0.210+/-0.007 χ^2/NDF: 3090.8/46

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: 30.895+/-0.079 χ^2/NDF: 6195.0/23

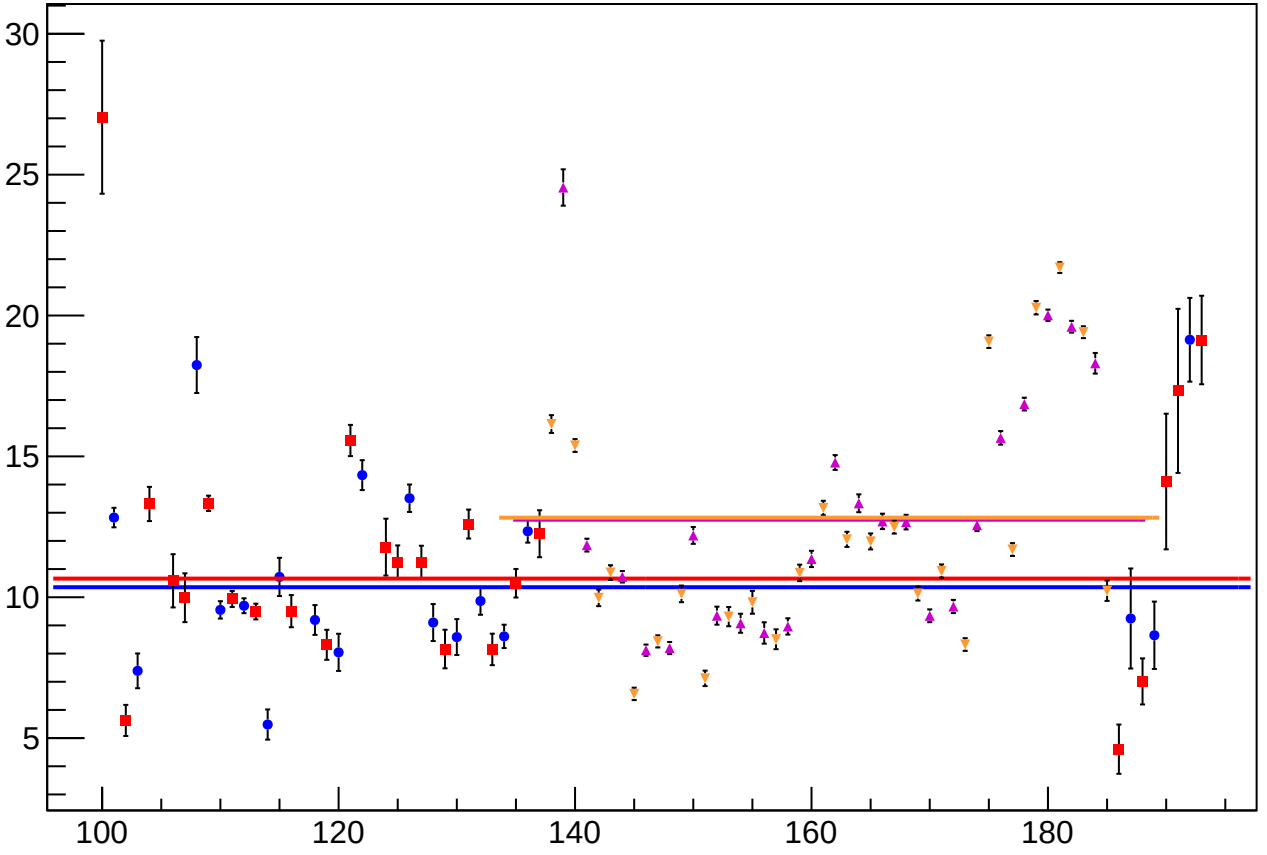
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.700+/-0.052 χ^2/NDF: 47006.6/43

All: 17.902+/-0.037 χ^2/NDF: 104825.6/90

- sign 19.035+/-0.051 χ^2/NDF: 56798.5/46

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: 10.662+/-0.110 χ^2/NDF: 520.9/23

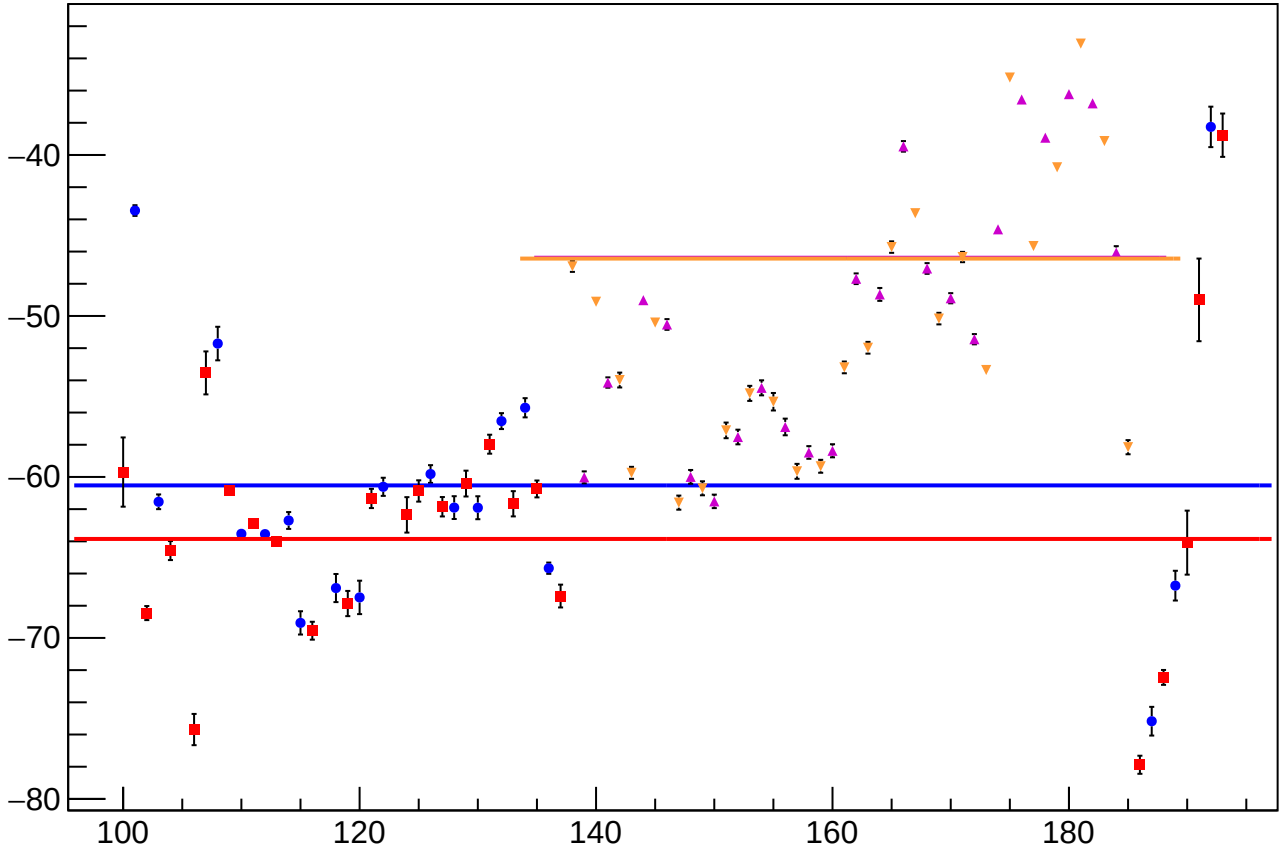
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.405+/-0.047 χ^2/NDF: 8853.8/43

All: 12.384+/-0.033 χ^2/NDF: 15169.0/90

- sign 12.362+/-0.048 χ^2/NDF: 6314.8/46

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: -63.851+/-0.102 χ^2/NDF: 2249.6/23

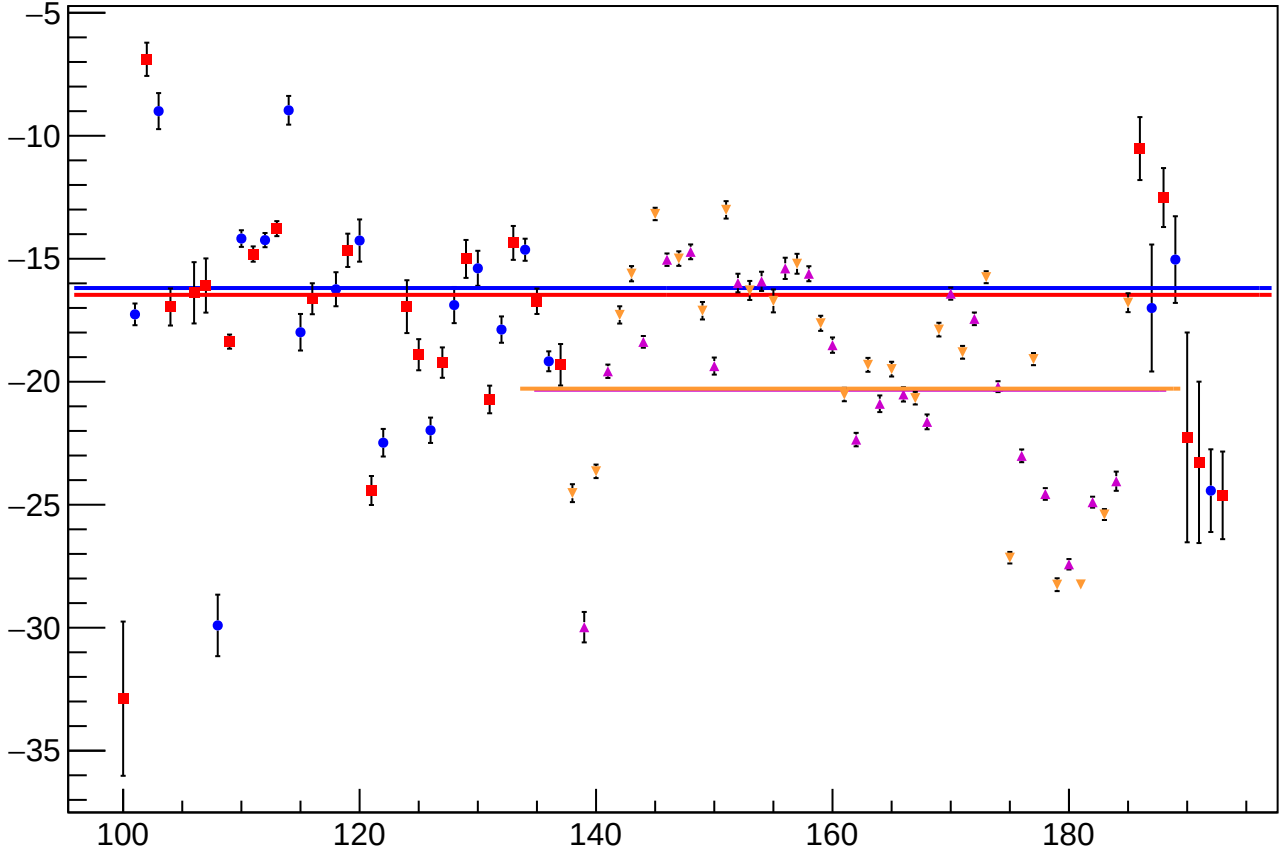
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

\+ sign -49.992+/-0.056 χ^2/NDF: 34475.8/43

All: -50.799+/-0.039 χ^2/NDF: 72697.9/90

\- sign -51.612+/-0.056 χ^2/NDF: 37801.0/46

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: -16.468+/-0.123 χ^2/NDF: 744.4/23

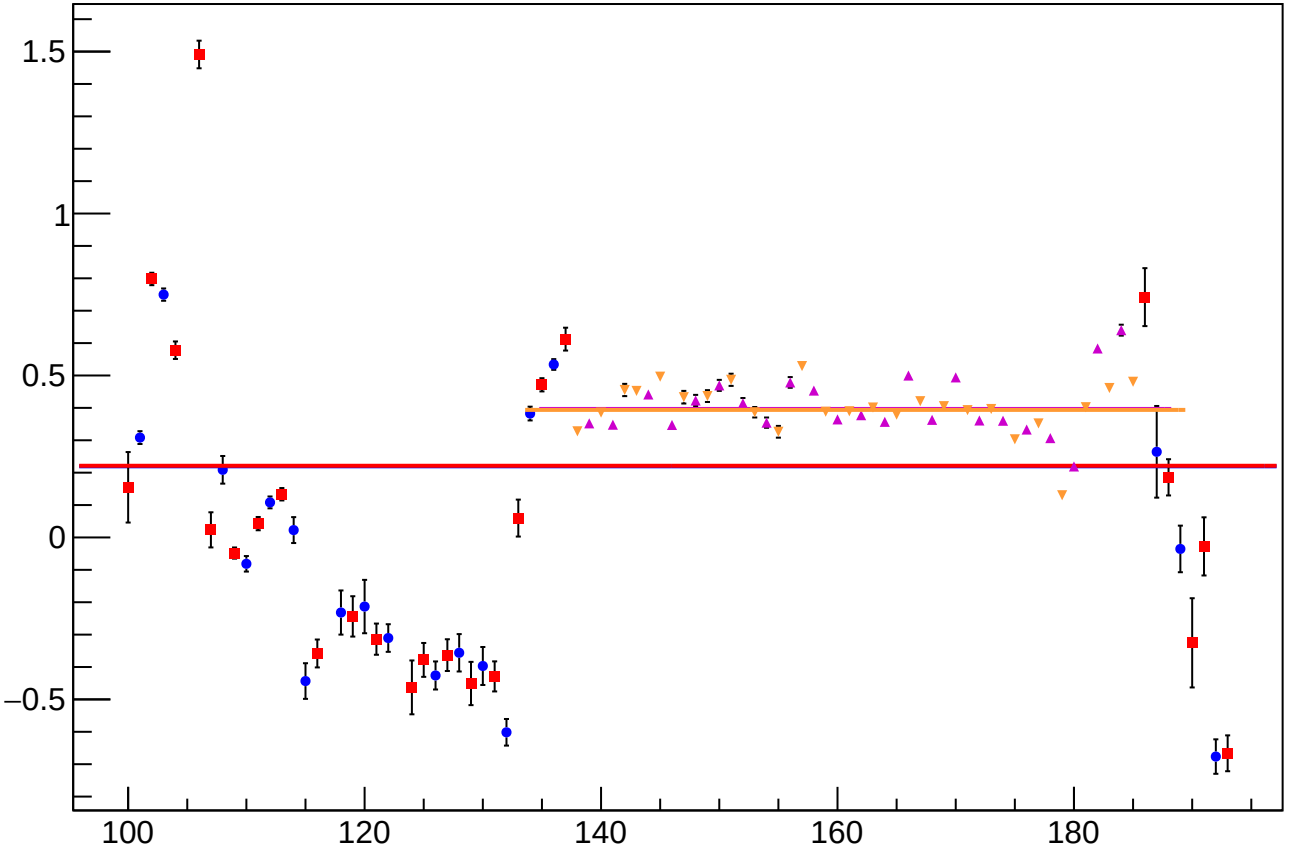
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.588+/-0.052 χ^2/NDF: 8712.2/43

All: -19.594+/-0.037 χ^2/NDF: 14528.6/90

- sign -19.601+/-0.053 χ^2/NDF: 5816.3/46

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: 0.221+/-0.007 χ^2/NDF: 3914.3/23

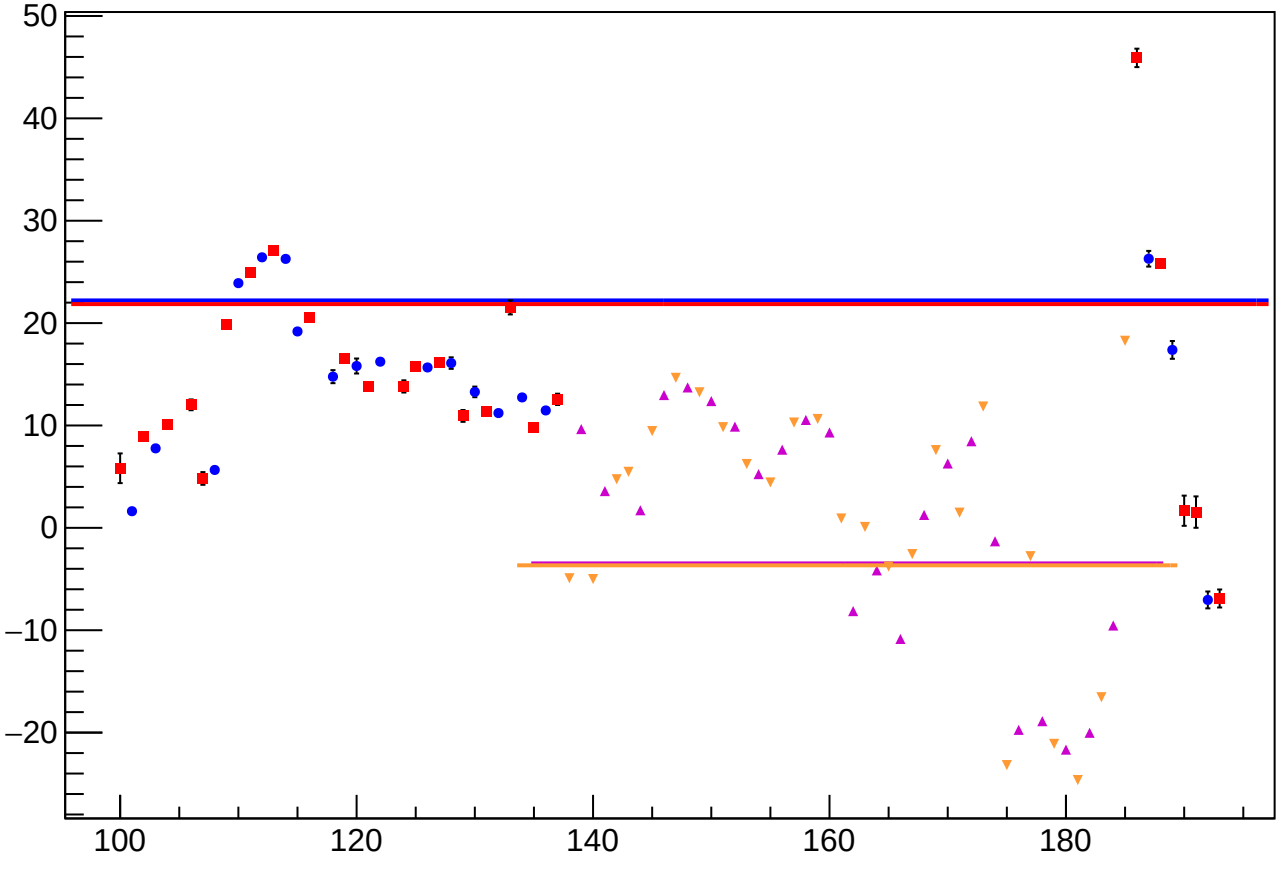
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

\+ sign 0.373+/-0.002 χ^2/NDF: 4434.0/43

All: 0.374+/-0.002 χ^2/NDF: 10204.2/90

\- sign 0.375+/-0.002 χ^2/NDF: 5770.0/46

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: 21.856+/-0.046 χ^2/NDF: 12931.5/23

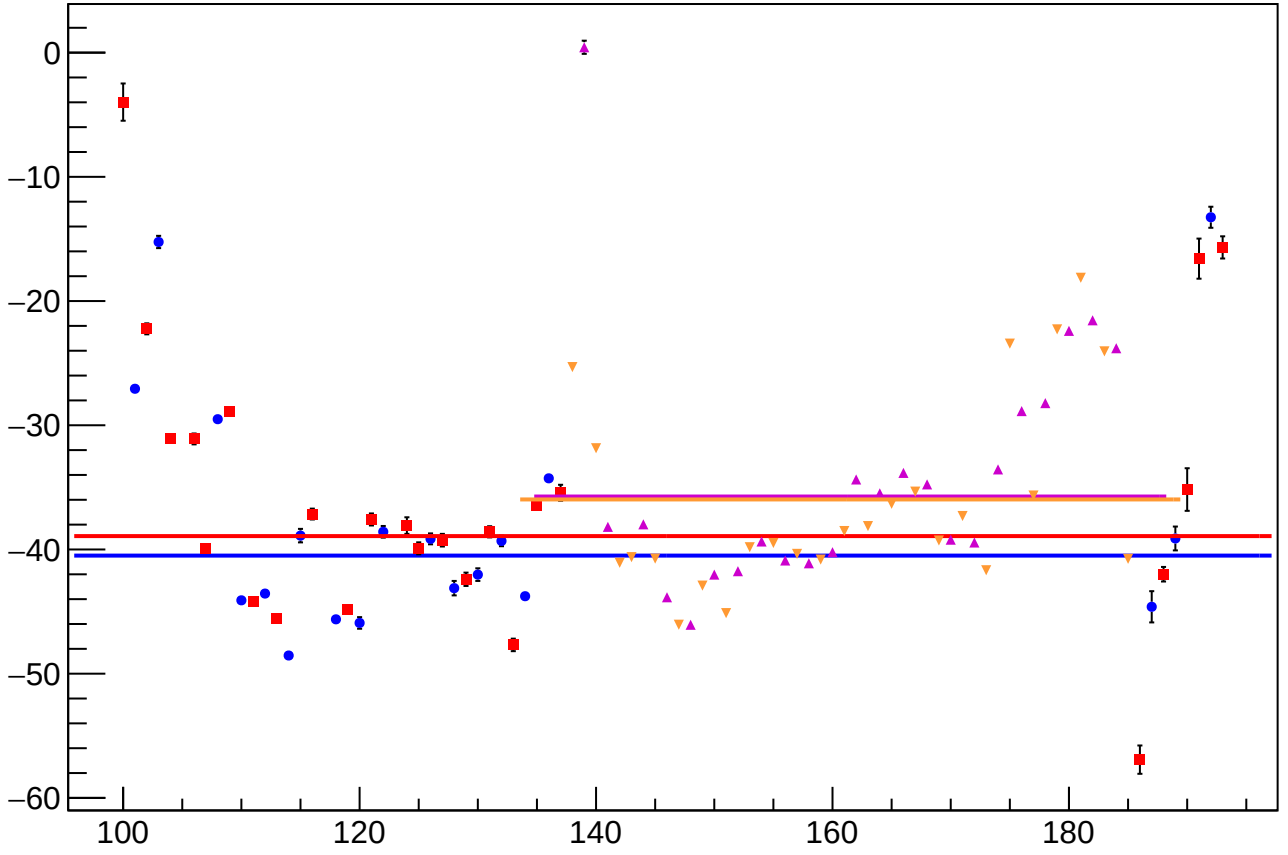
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.899+/-0.039 χ^2/NDF: 179661.1/43

All: 10.584+/-0.026 χ^2/NDF: 359998.5/90

- sign 11.997+/-0.036 χ^2/NDF: 176927.7/46

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: -38.923+/-0.070 χ^2/NDF: 11252.9/23

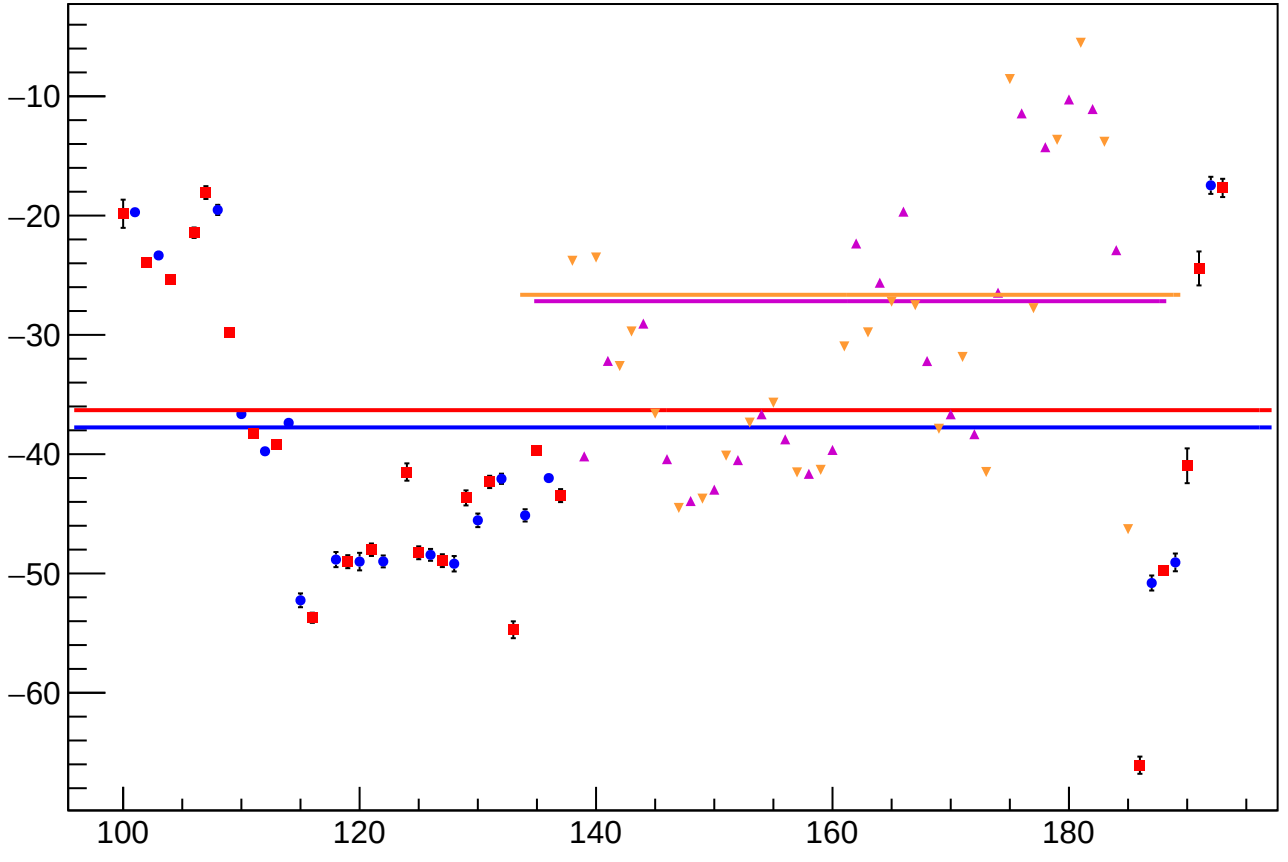
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -37.051+/-0.037 χ^2/NDF: 45152.3/43

All: -36.863+/-0.026 χ^2/NDF: 85078.6/90

- sign -36.666+/-0.038 χ^2/NDF: 39873.3/46

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: -36.310+/-0.063 χ^2/NDF: 17387.8/23

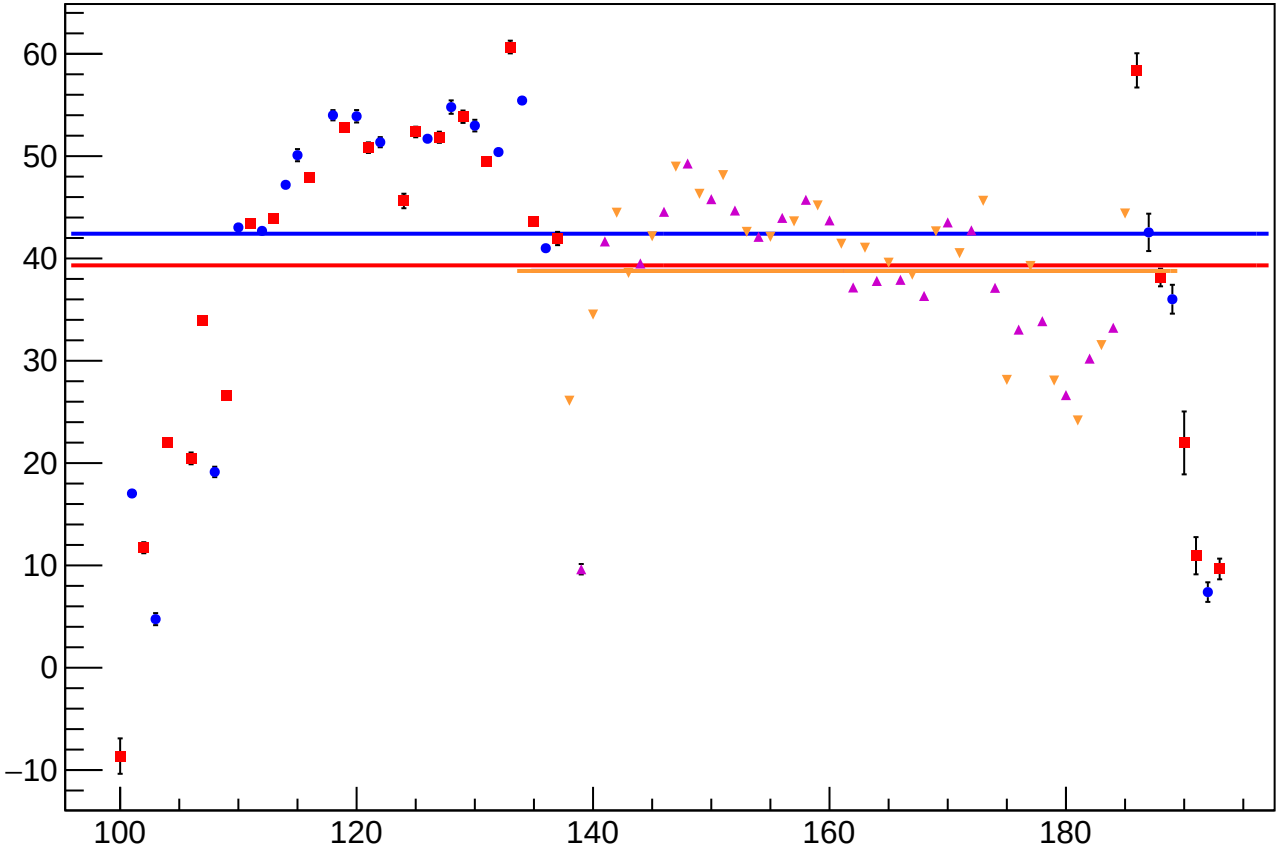
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.659+/-0.044 χ^2/NDF: 77368.4/43

All: -31.009+/-0.030 χ^2/NDF: 147474.7/90

- sign -31.336+/-0.042 χ^2/NDF: 69982.0/46

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: 39.324+/-0.077 χ^2/NDF: 19251.3/23

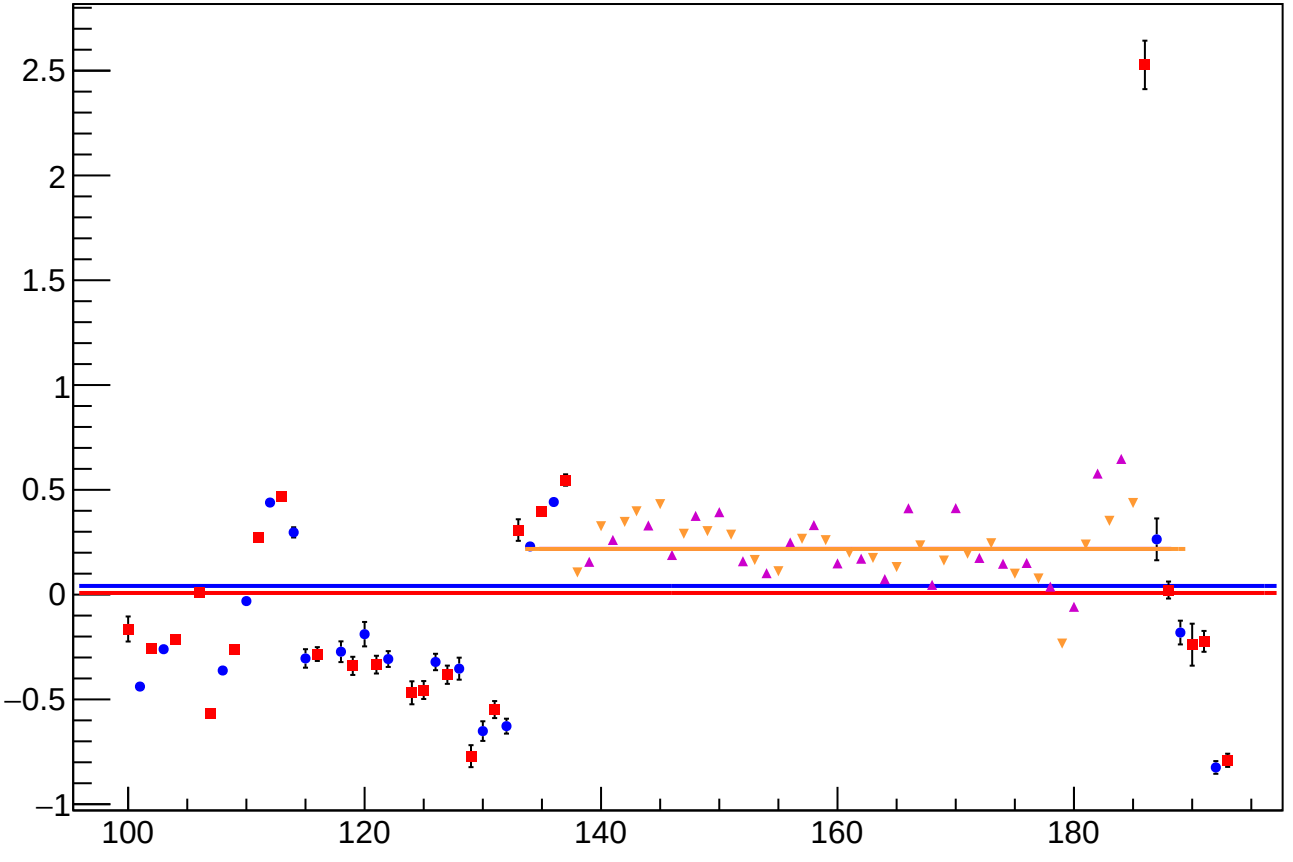
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.658+/-0.042 χ^2/NDF: 38613.5/43

All: 39.308+/-0.030 χ^2/NDF: 74282.5/90

- sign 38.949+/-0.042 χ^2/NDF: 35525.4/46

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: 0.008+/-0.004 χ^2/NDF: 7562.0/23

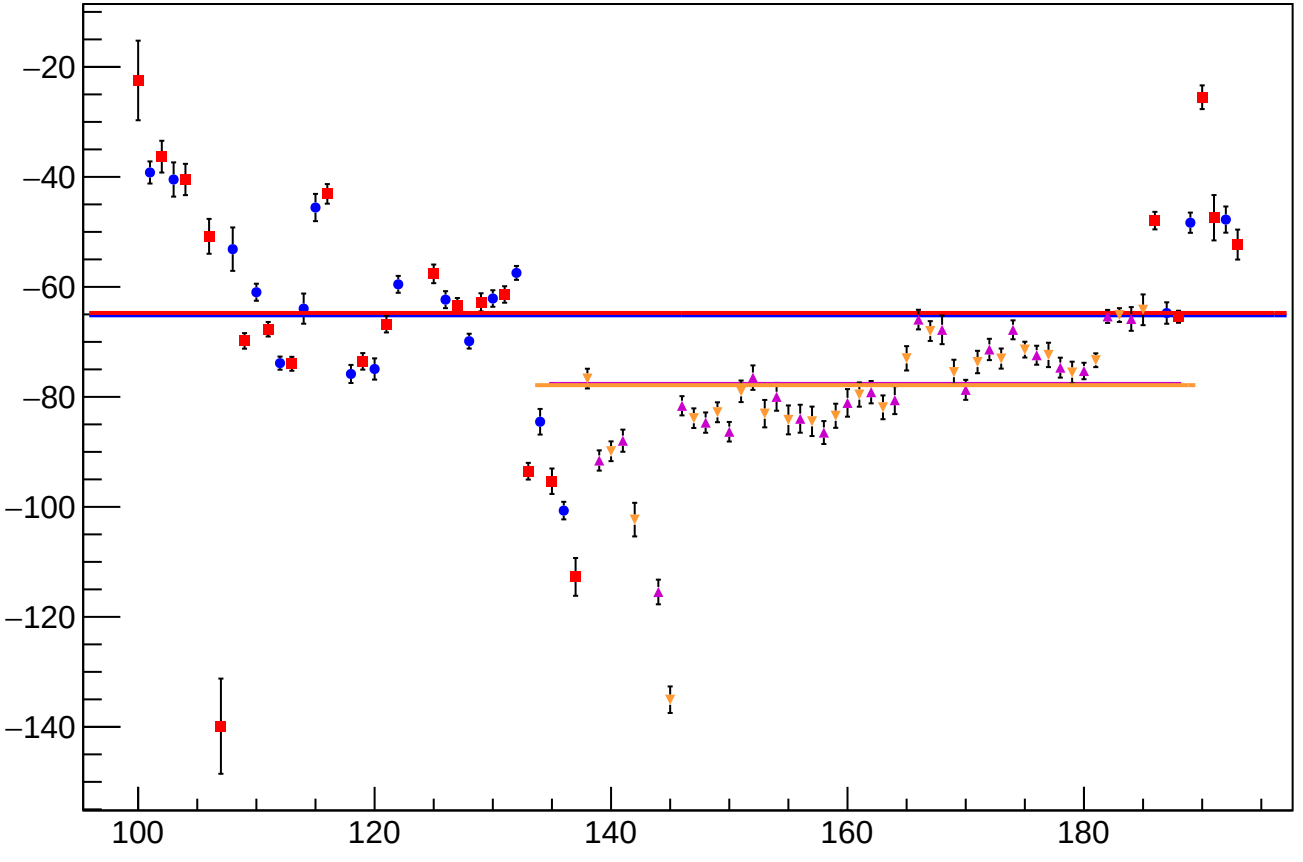
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.188+/-0.002 χ^2/NDF: 11573.4/43

All: 0.181+/-0.001 χ^2/NDF: 26364.3/90

- sign 0.174+/-0.002 χ^2/NDF: 14764.2/46

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: -64.738+/-0.369 χ^2/NDF: 1787.5/22

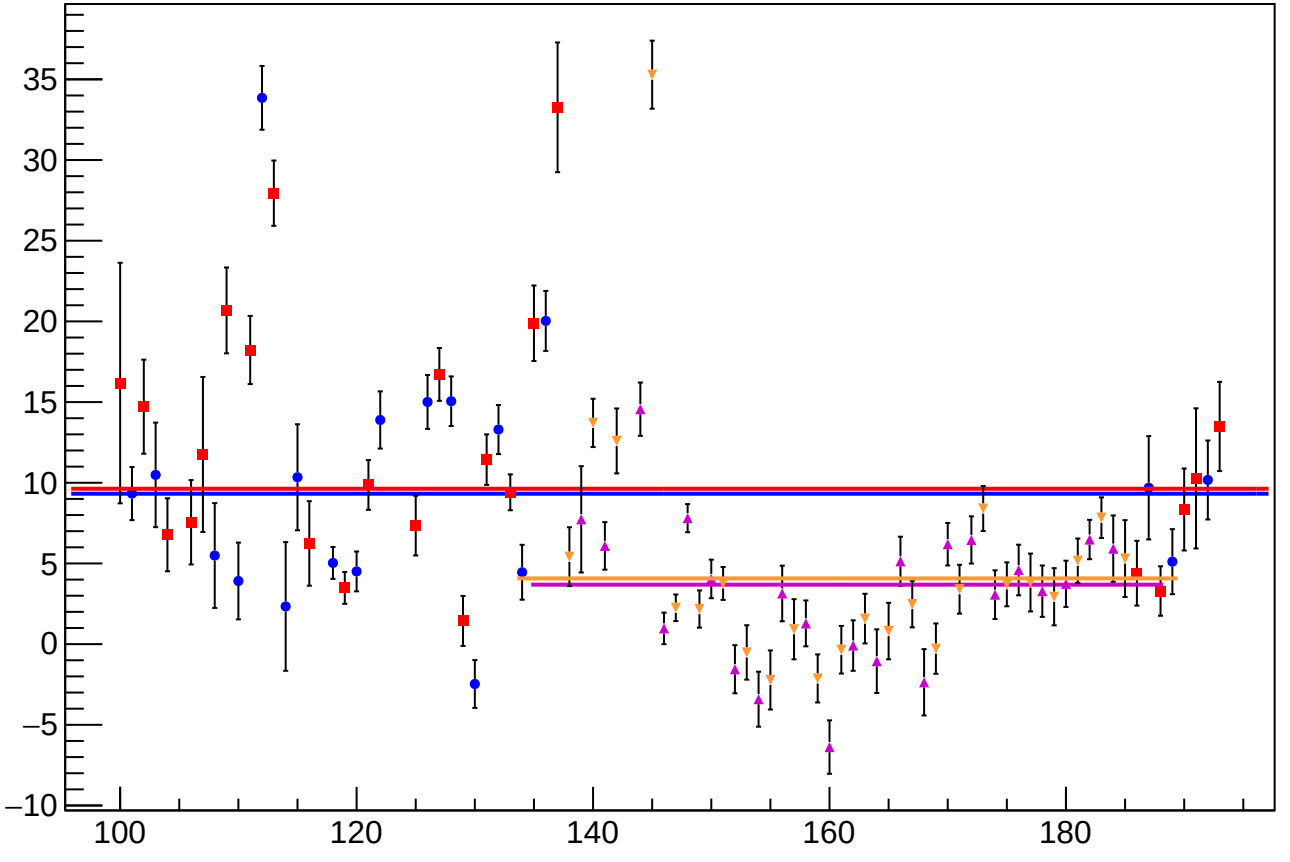
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -71.615+/-0.281 χ^2/NDF: 2645.6/42

All: -71.159+/-0.195 χ^2/NDF: 5698.5/88

- sign -70.737+/-0.270 χ^2/NDF: 3047.9/45

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: 9.630+/-0.399 χ^2/NDF: 292.1/22

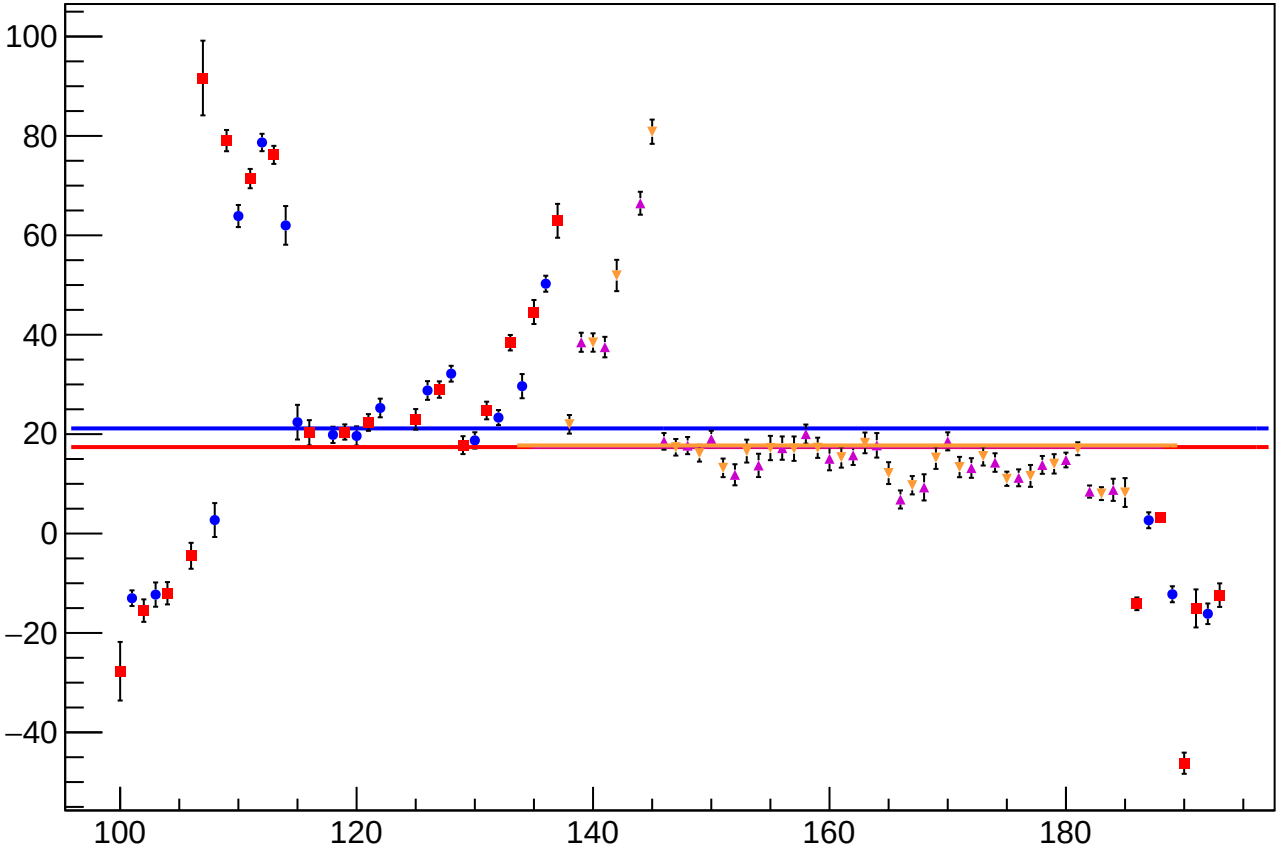
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 5.881+/-0.240 χ^2/NDF: 824.9/42

All: 5.865+/-0.170 χ^2/NDF: 1440.9/88

- sign 5.849+/-0.241 χ^2/NDF: 615.9/45

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: 17.398+/-0.390 χ^2/NDF: 5820.3/22

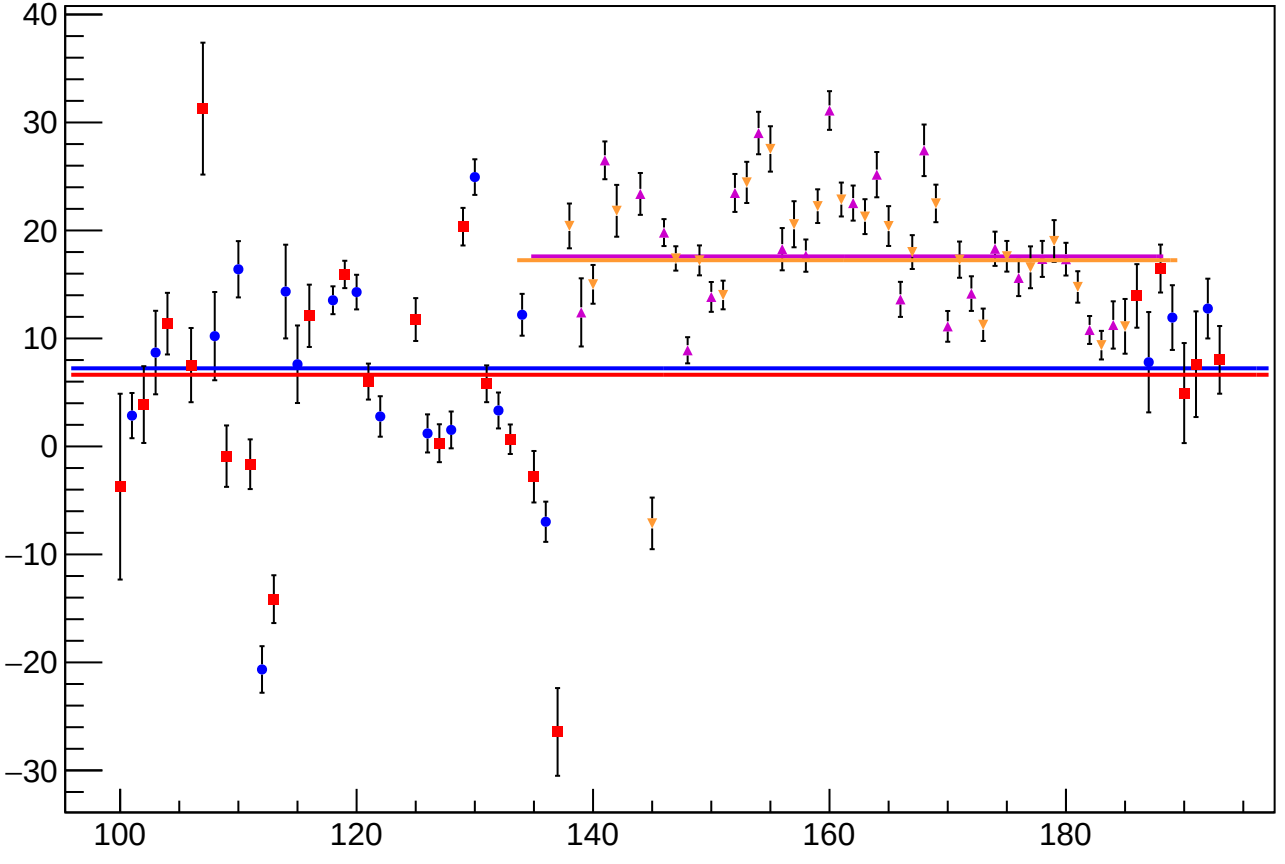
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

\+ sign 19.260+/-0.291 χ^2/NDF: 4648.5/42

All: 18.308+/-0.200 χ^2/NDF: 11310.1/88

\- sign 17.444+/-0.277 χ^2/NDF: 6641.1/45

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: 6.637+/-0.472 χ^2/NDF: 396.0/22

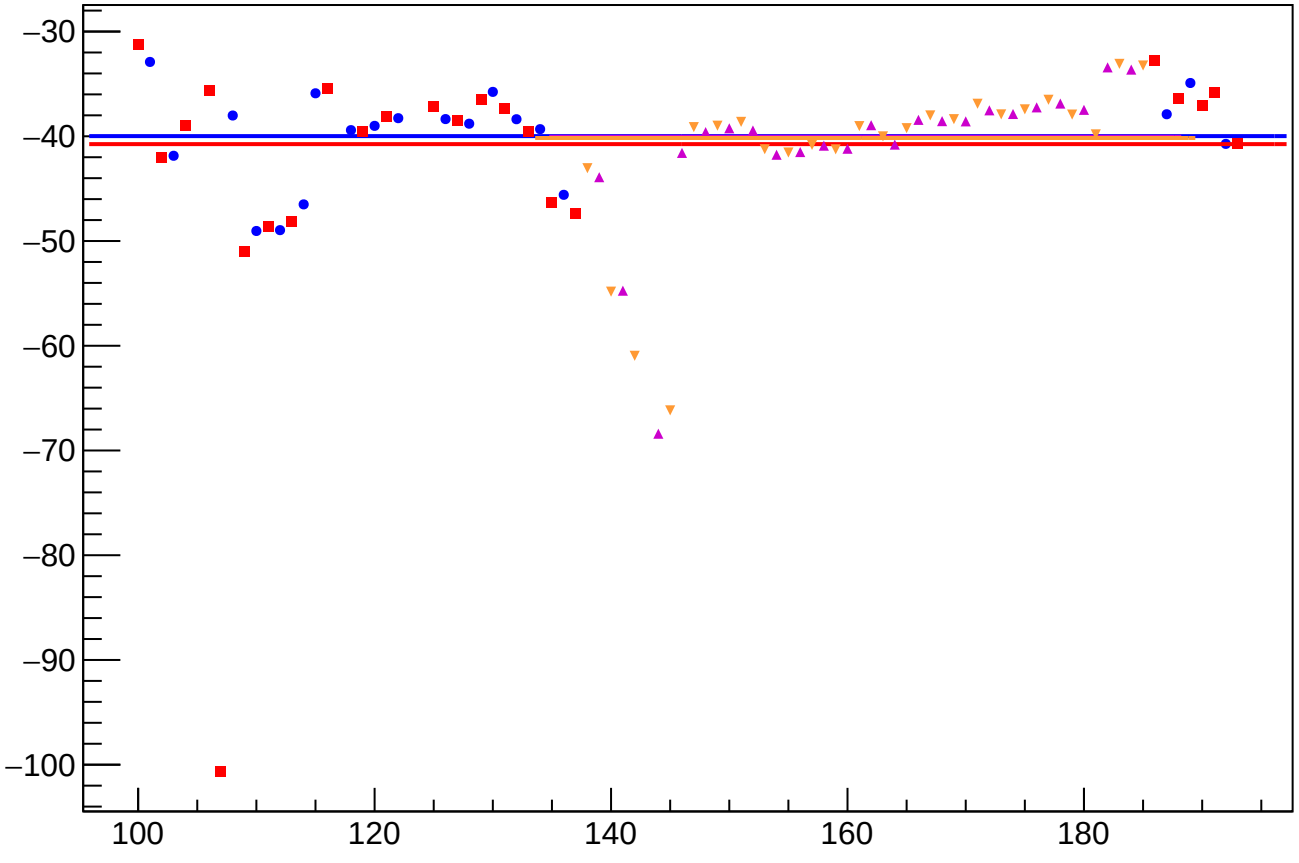
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.915+/-0.276 χ^2/NDF: 1003.6/42

All: 13.870+/-0.196 χ^2/NDF: 2062.4/88

- sign 13.825+/-0.277 χ^2/NDF: 1058.7/45

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: -40.749+/-0.028 χ^2/NDF: 65427.6/22

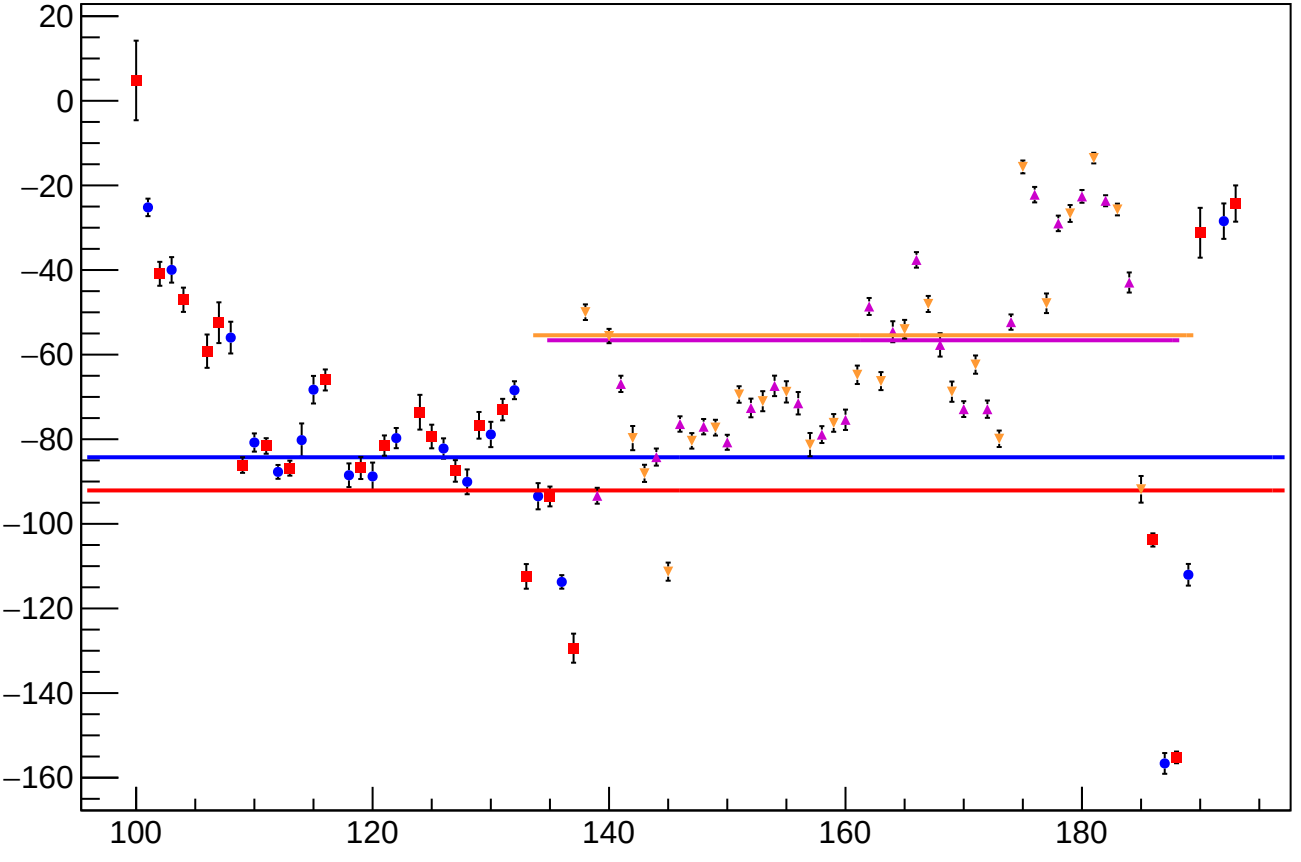
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.123+/-0.014 χ^2/NDF: 186184.7/42

All: -40.169+/-0.010 χ^2/NDF: 388559.4/88

- sign -40.214+/-0.013 χ^2/NDF: 202352.1/45

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: -92.104+/-0.516 χ^2/NDF: 3793.2/22

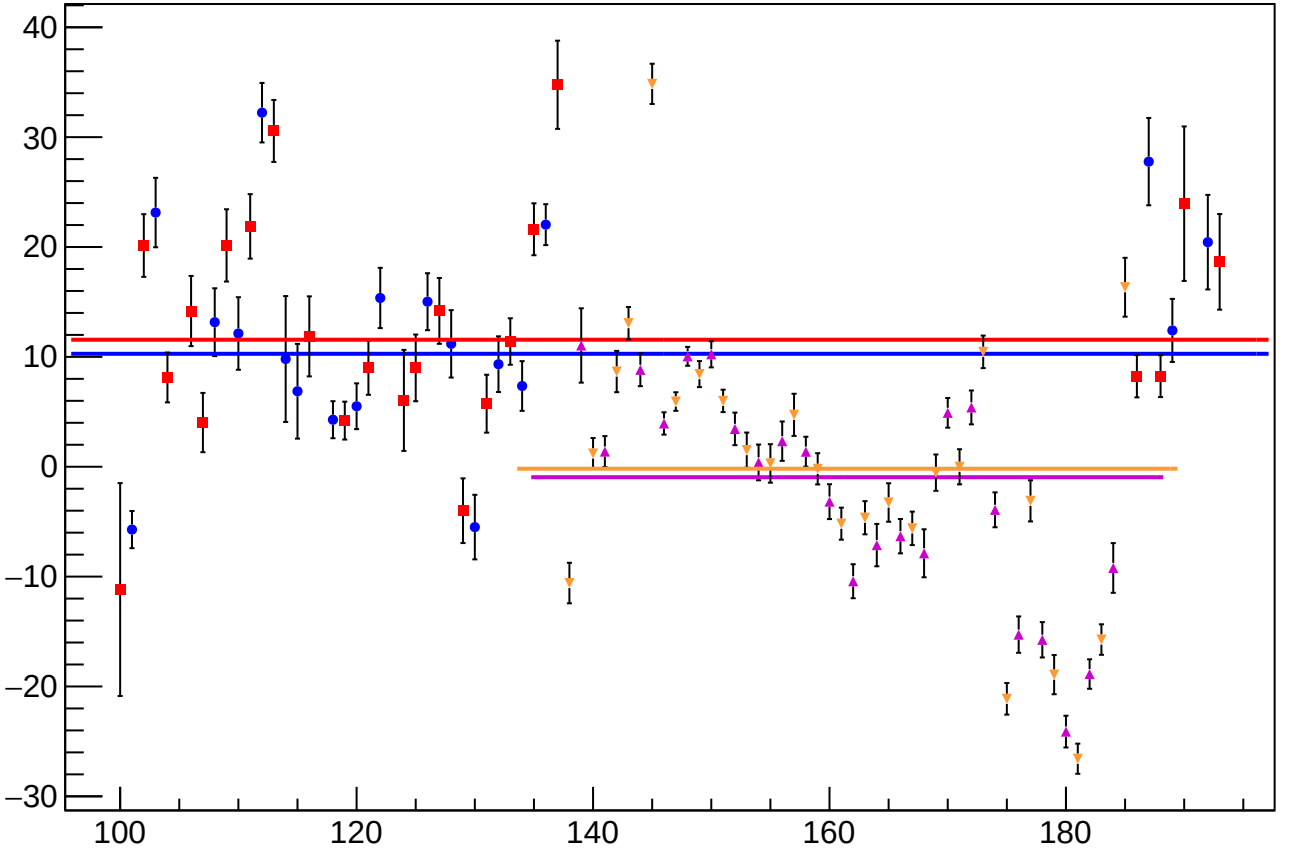
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.675+/-0.324 χ^2/NDF: 8955.3/43

All: -67.435+/-0.227 χ^2/NDF: 19176.8/89

- sign -70.091+/-0.318 χ^2/NDF: 10079.2/45

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: 11.562+/-0.569 χ^2/NDF: 208.2/22

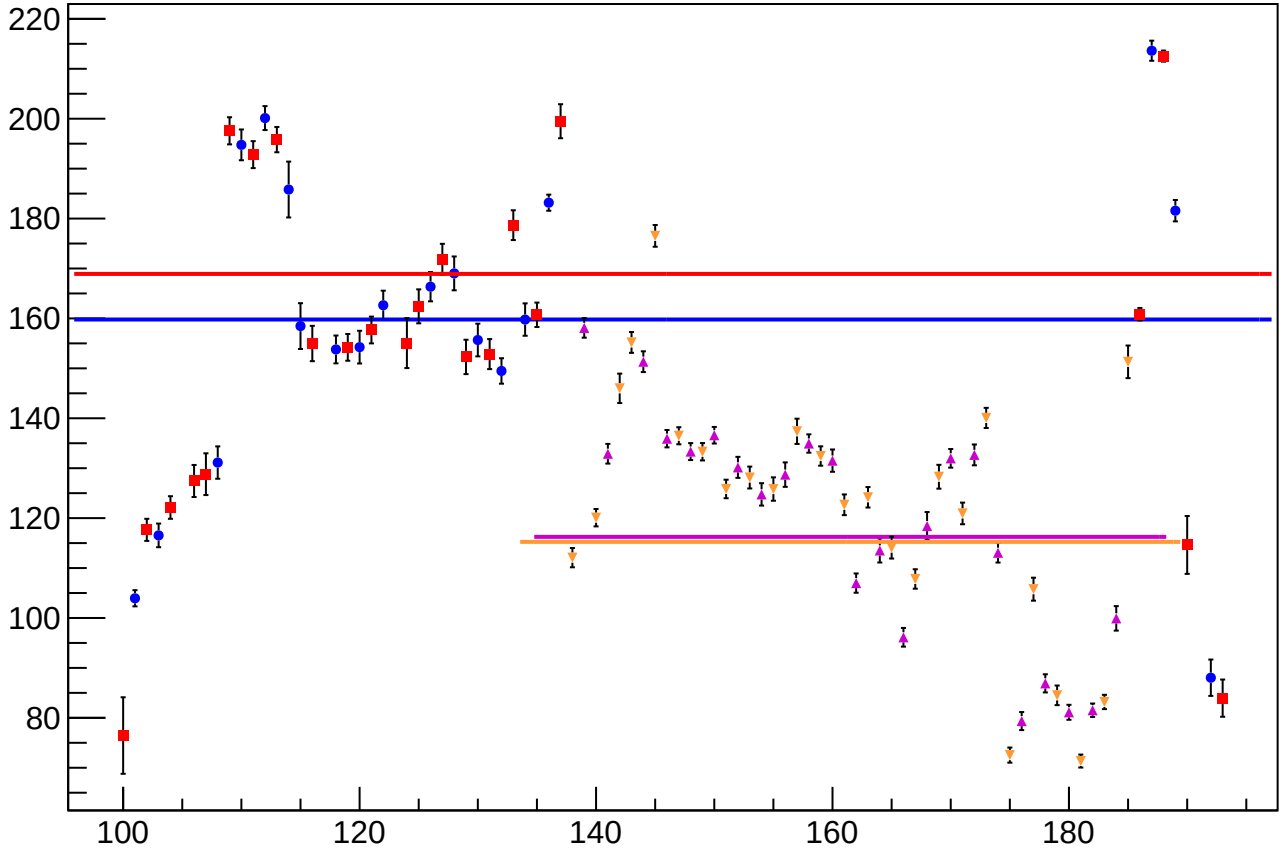
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

\+ sign 1.878+/-0.264 χ^2/NDF: 2141.2/43

All: 1.852+/-0.188 χ^2/NDF: 3794.9/89

\- sign 1.825+/-0.268 χ^2/NDF: 1653.6/45

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: 168.914+/-0.520 χ^2/NDF: 4093.5/22

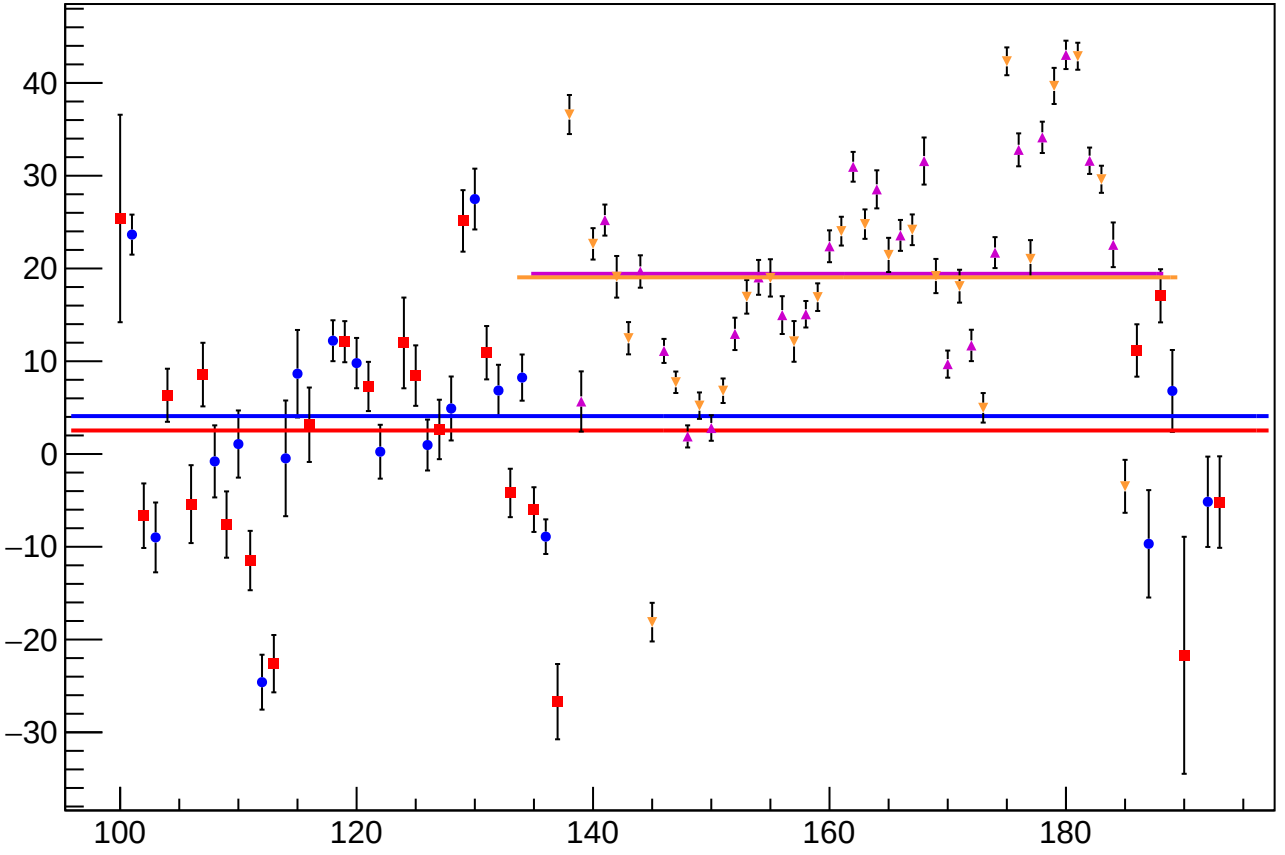
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.642+/-0.326 χ^2/NDF: 12242.8/43

All: 132.323+/-0.227 χ^2/NDF: 26679.6/89

- sign 135.786+/-0.317 χ^2/NDF: 14190.0/45

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: 2.537+/-0.680 χ^2/NDF: 309.0/22

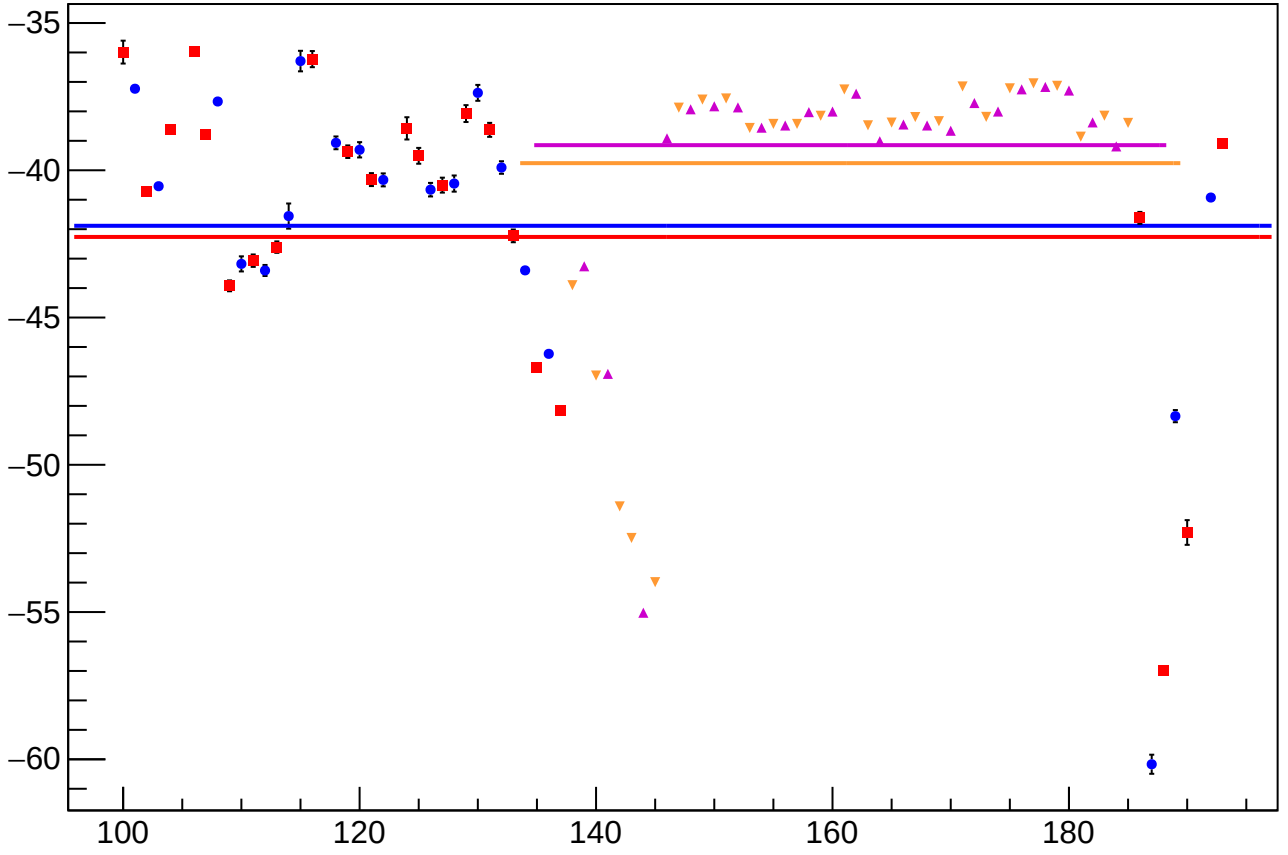
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 16.194+/-0.302 χ^2/NDF: 2249.3/43

All: 16.077+/-0.216 χ^2/NDF: 4126.0/89

- sign 15.956+/-0.308 χ^2/NDF: 1876.3/45

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: -42.264+/-0.036 χ^2/NDF: 18877.0/22

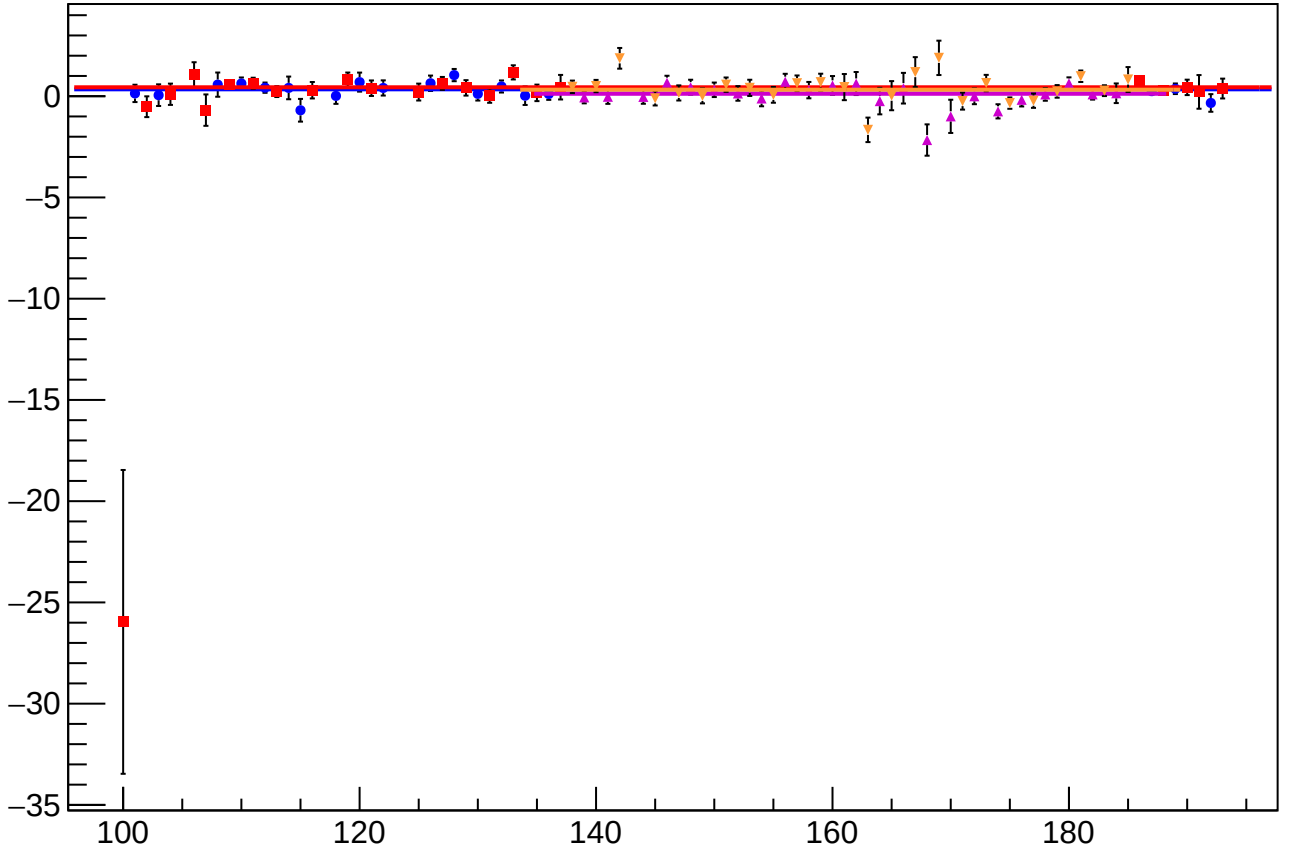
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.085+/-0.014 χ^2/NDF: 97010.9/43

All: -39.861+/-0.010 χ^2/NDF: 169497.9/89

- sign -39.632+/-0.014 χ^2/NDF: 71981.8/45

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: 0.440+/-0.066 χ^2/NDF: 34.6/22

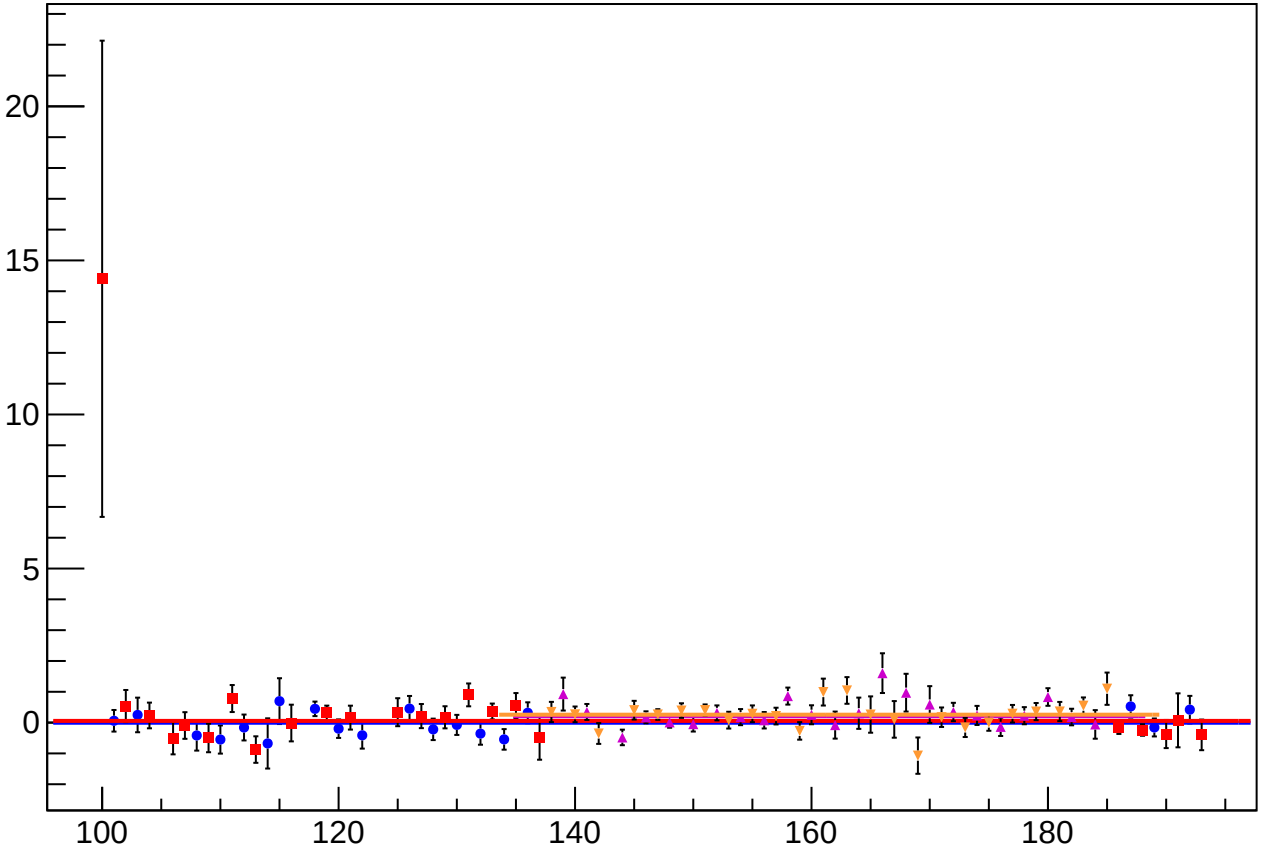
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.330+/-0.056 χ^2/NDF: 63.7/42

All: 0.319+/-0.038 χ^2/NDF: 138.0/88

- sign 0.310+/-0.051 χ^2/NDF: 74.2/45

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: 0.055+/-0.076 χ^2/NDF: 30.5/22

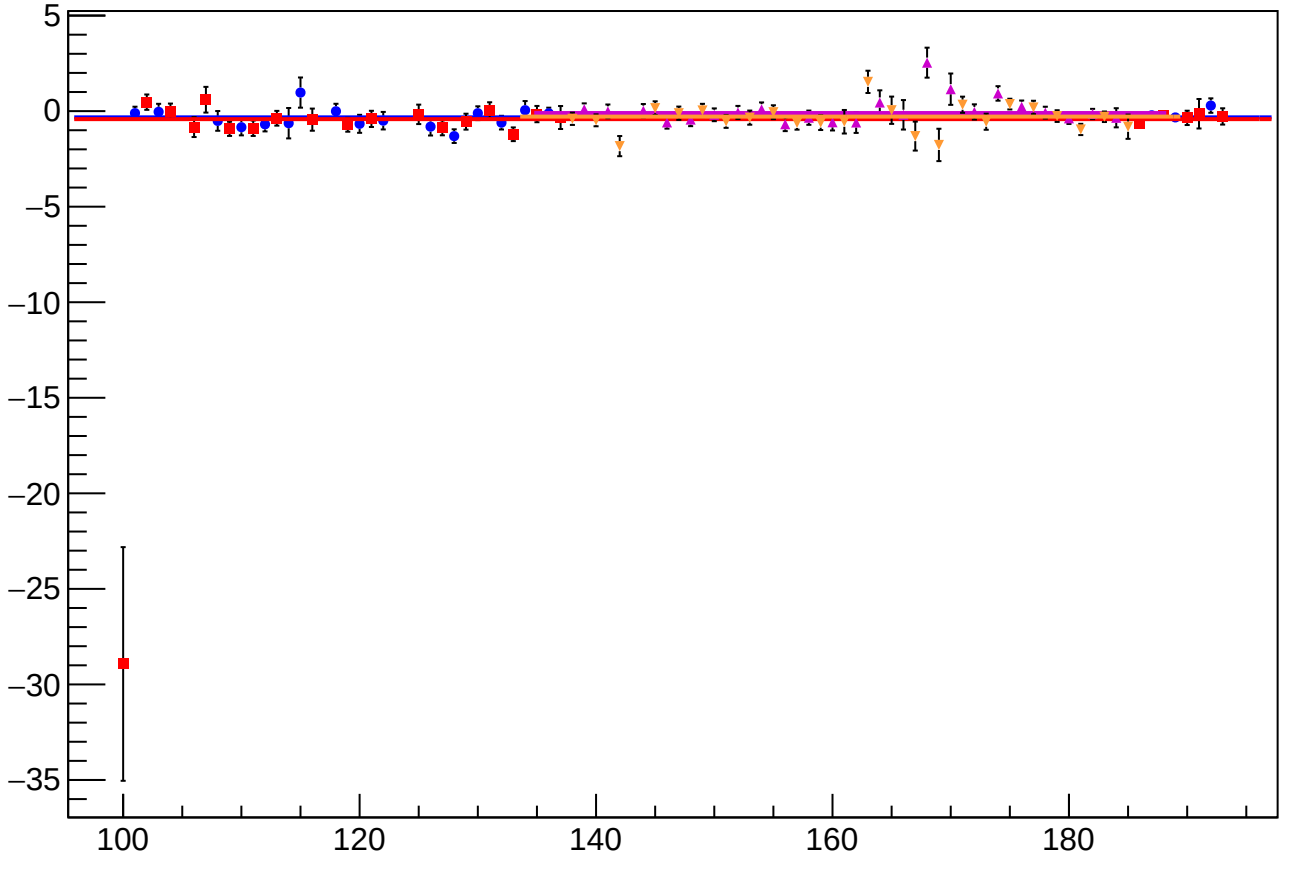
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.172+/-0.049 χ^2/NDF: 51.3/42

All: 0.160+/-0.034 χ^2/NDF: 116.2/88

- sign 0.148+/-0.047 χ^2/NDF: 64.8/45

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: -0.419+/-0.063 χ^2/NDF: 48.2/22

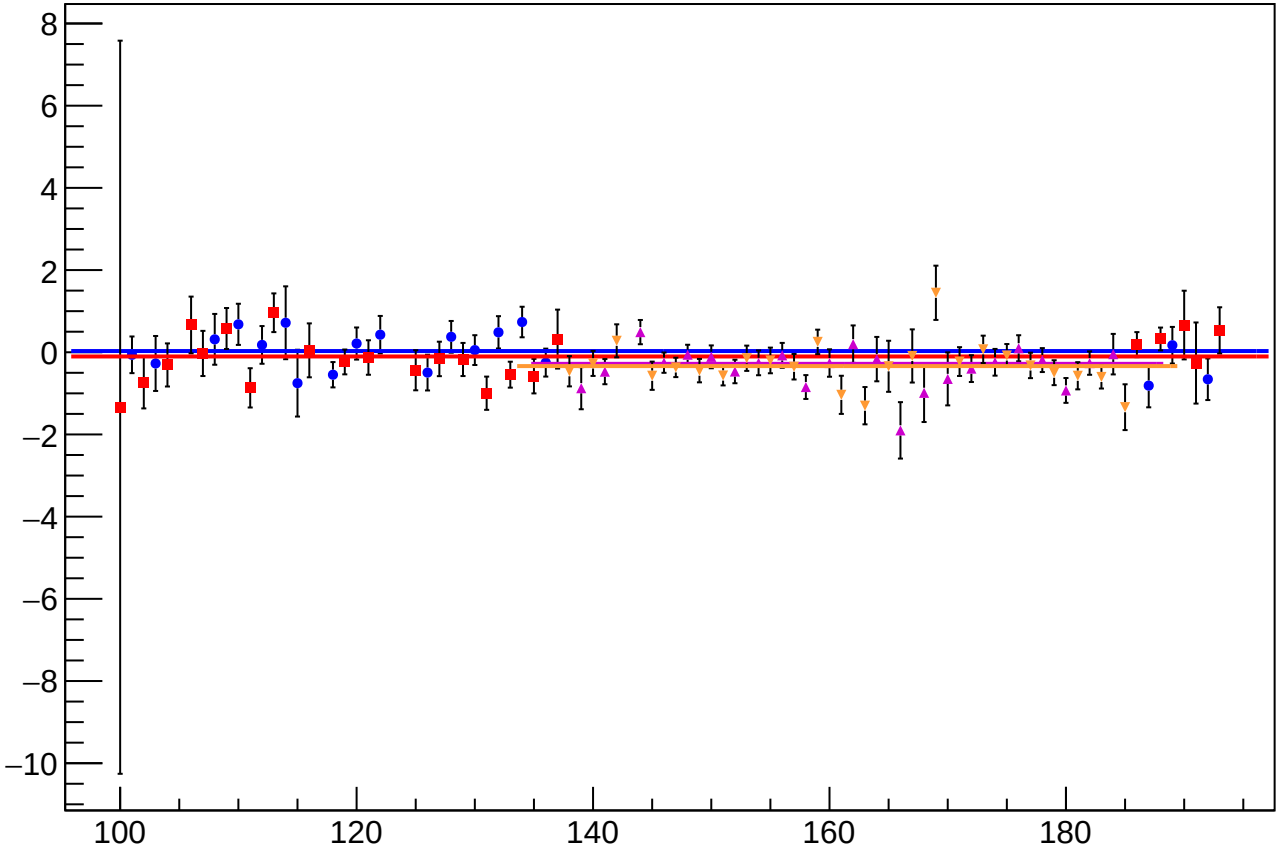
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.305+/-0.056 χ^2/NDF: 66.6/42

All: -0.299+/-0.037 χ^2/NDF: 158.1/88

- sign -0.294+/-0.049 χ^2/NDF: 91.5/45

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: -0.103+/-0.094 χ^2/NDF: 26.6/22

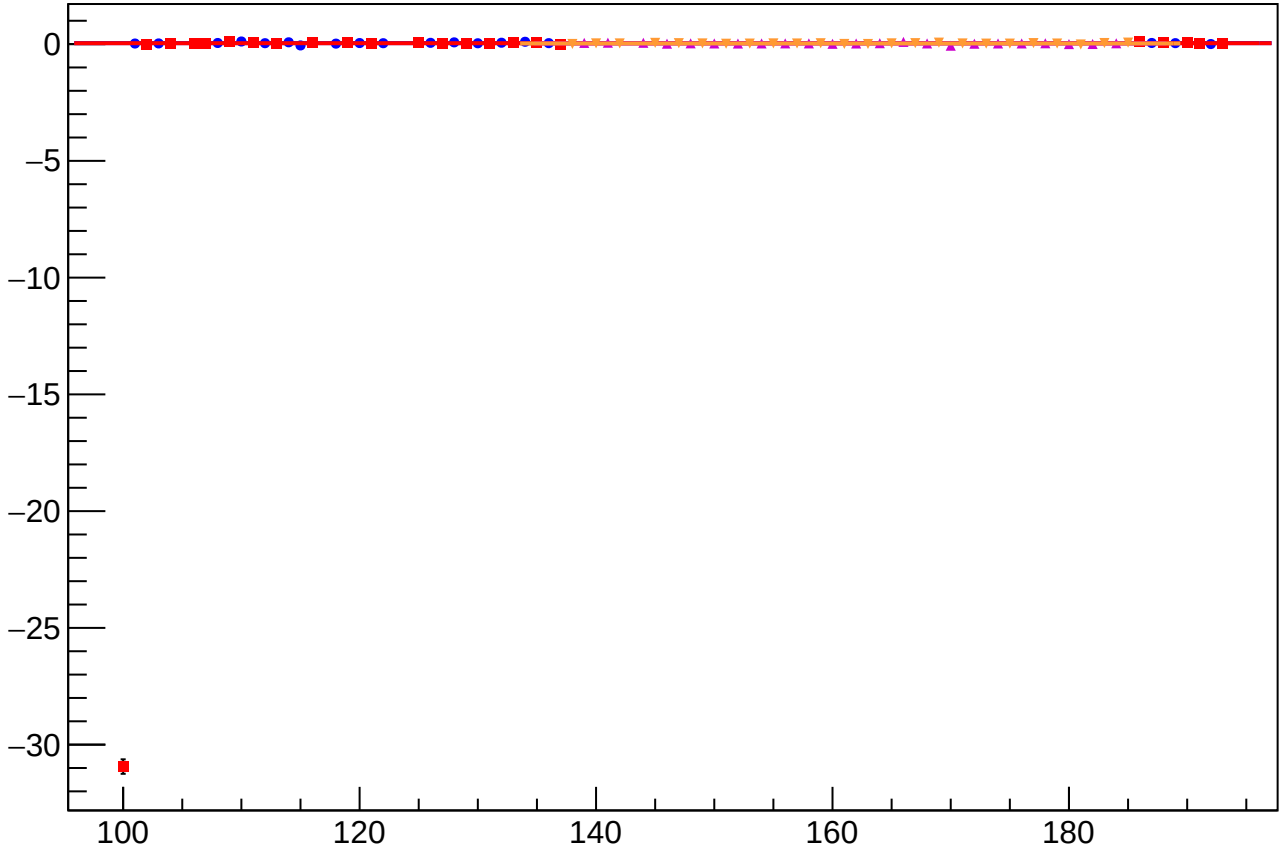
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.223+/-0.056 χ^2/NDF: 59.8/42

All: -0.221+/-0.040 χ^2/NDF: 117.7/88

- sign -0.219+/-0.056 χ^2/NDF: 57.9/45

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: 0.039+/-0.005 χ^2/NDF: 10037.9/22

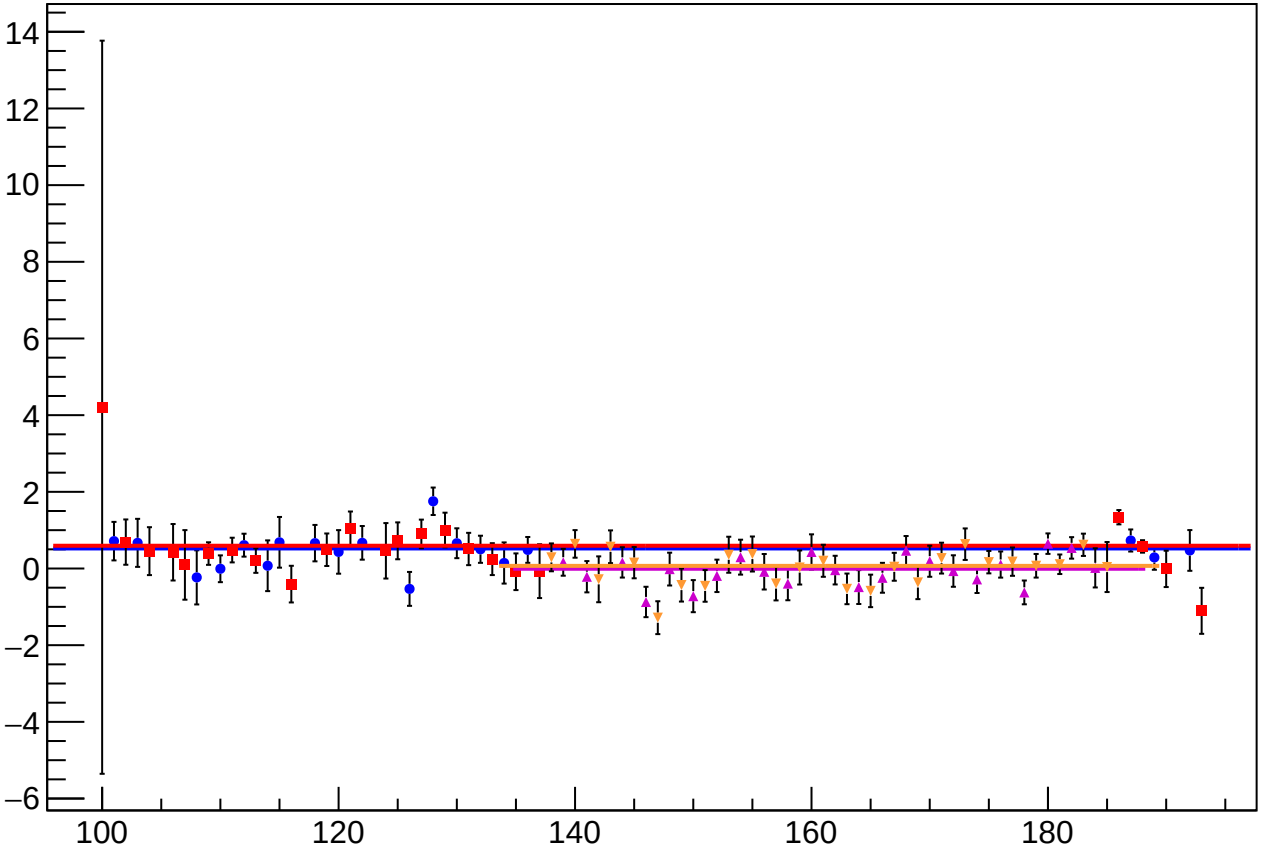
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.031+/-0.003 χ^2/NDF: 59.3/42

All: 0.032+/-0.002 χ^2/NDF: 10138.5/88

- sign 0.032+/-0.003 χ^2/NDF: 10079.2/45

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: 0.594+/-0.078 χ^2/NDF: 38.8/22

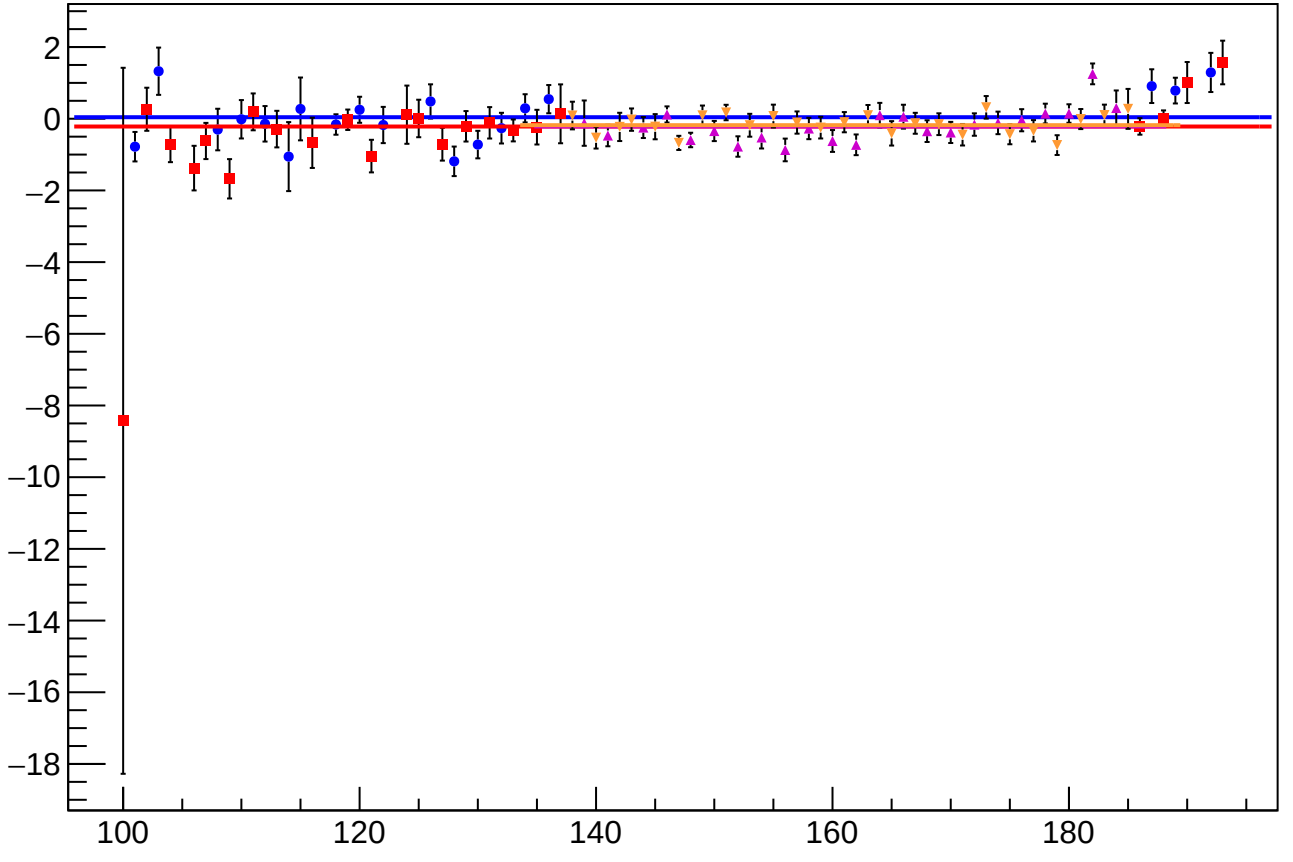
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.249+/-0.060 χ^2/NDF: 68.5/43

All: 0.276+/-0.041 χ^2/NDF: 165.3/89

- sign 0.299+/-0.056 χ^2/NDF: 96.4/45

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: -0.217+/-0.090 χ^2/NDF: 34.3/22

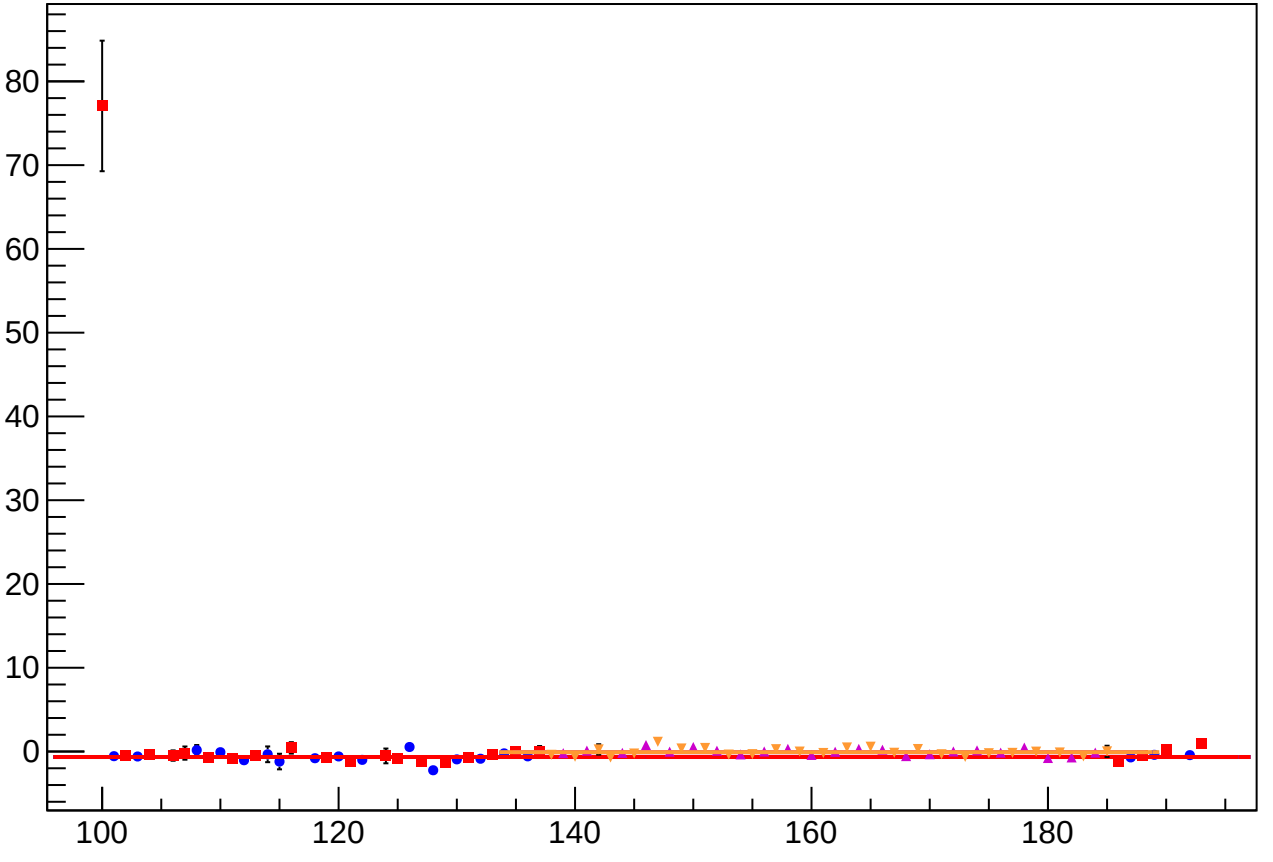
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.124+/-0.051 χ^2/NDF: 68.1/43

All: -0.170+/-0.036 χ^2/NDF: 157.7/89

- sign -0.216+/-0.051 χ^2/NDF: 87.9/45

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: -0.654+/-0.075 χ^2/NDF: 135.7/22

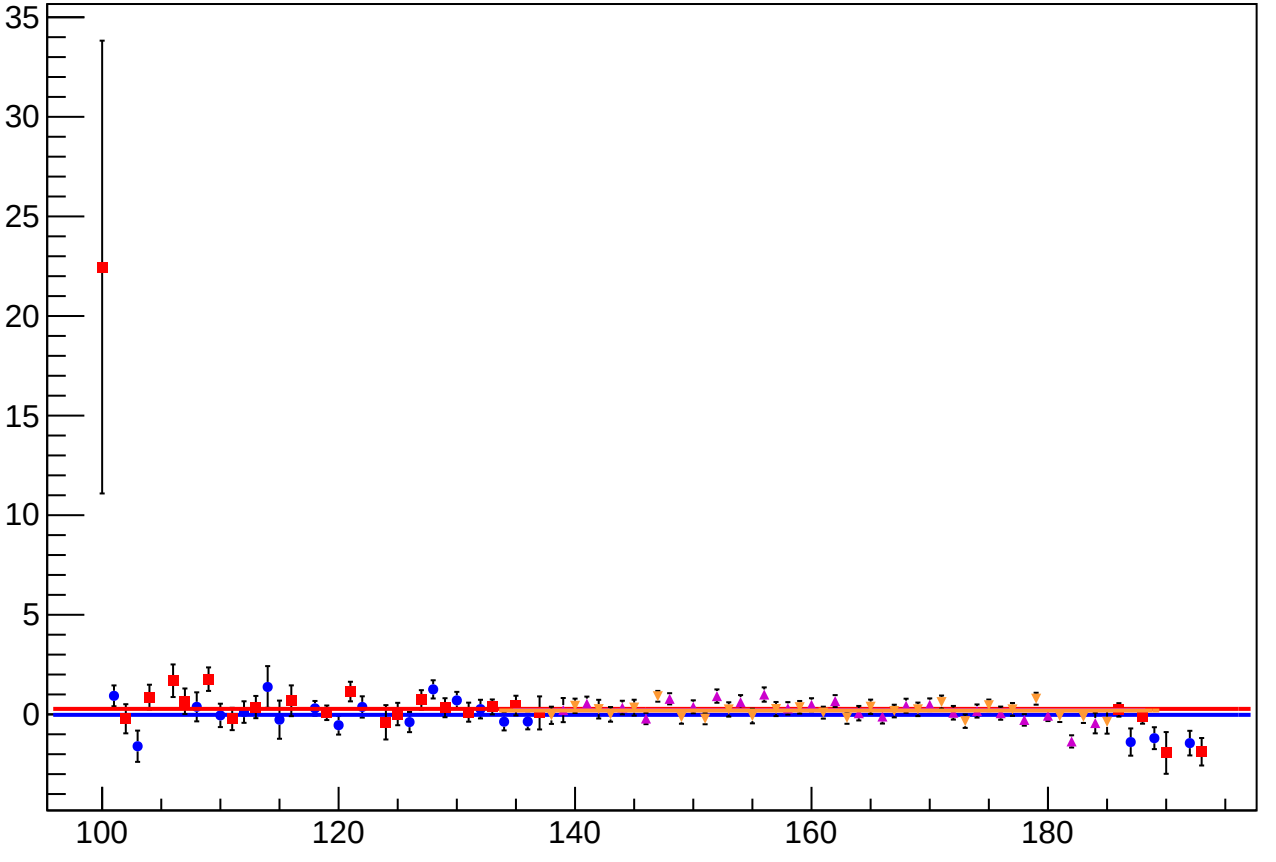
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.297+/-0.060 χ^2/NDF: 78.0/43

All: -0.343+/-0.040 χ^2/NDF: 271.5/89

- sign -0.380+/-0.054 χ^2/NDF: 192.5/45

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: 0.276+/-0.111 χ^2/NDF: 37.0/22

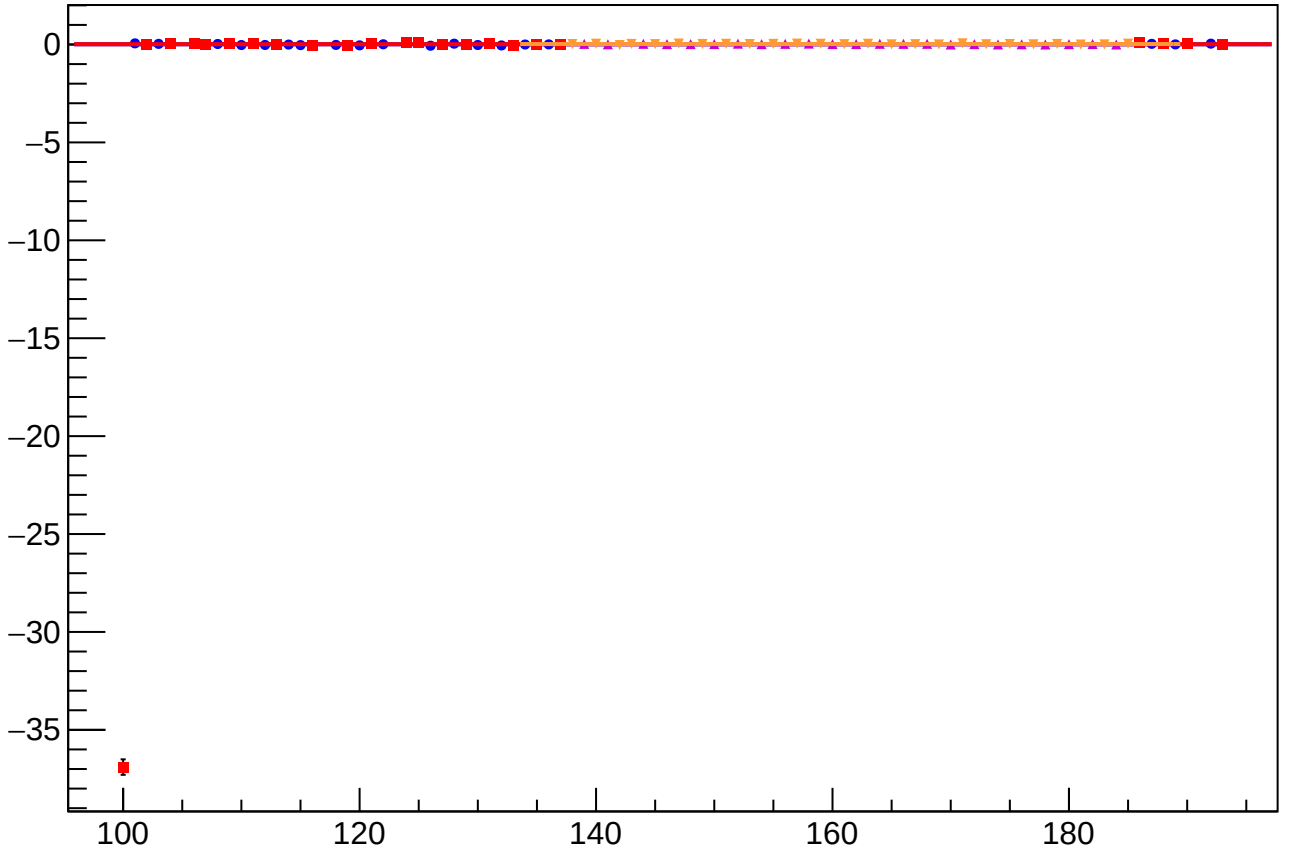
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.142+/-0.058 χ^2/NDF: 67.3/43

All: 0.187+/-0.041 χ^2/NDF: 160.7/89

- sign 0.232+/-0.059 χ^2/NDF: 92.3/45

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: 0.016+/-0.006 χ^2/NDF: 8775.4/22

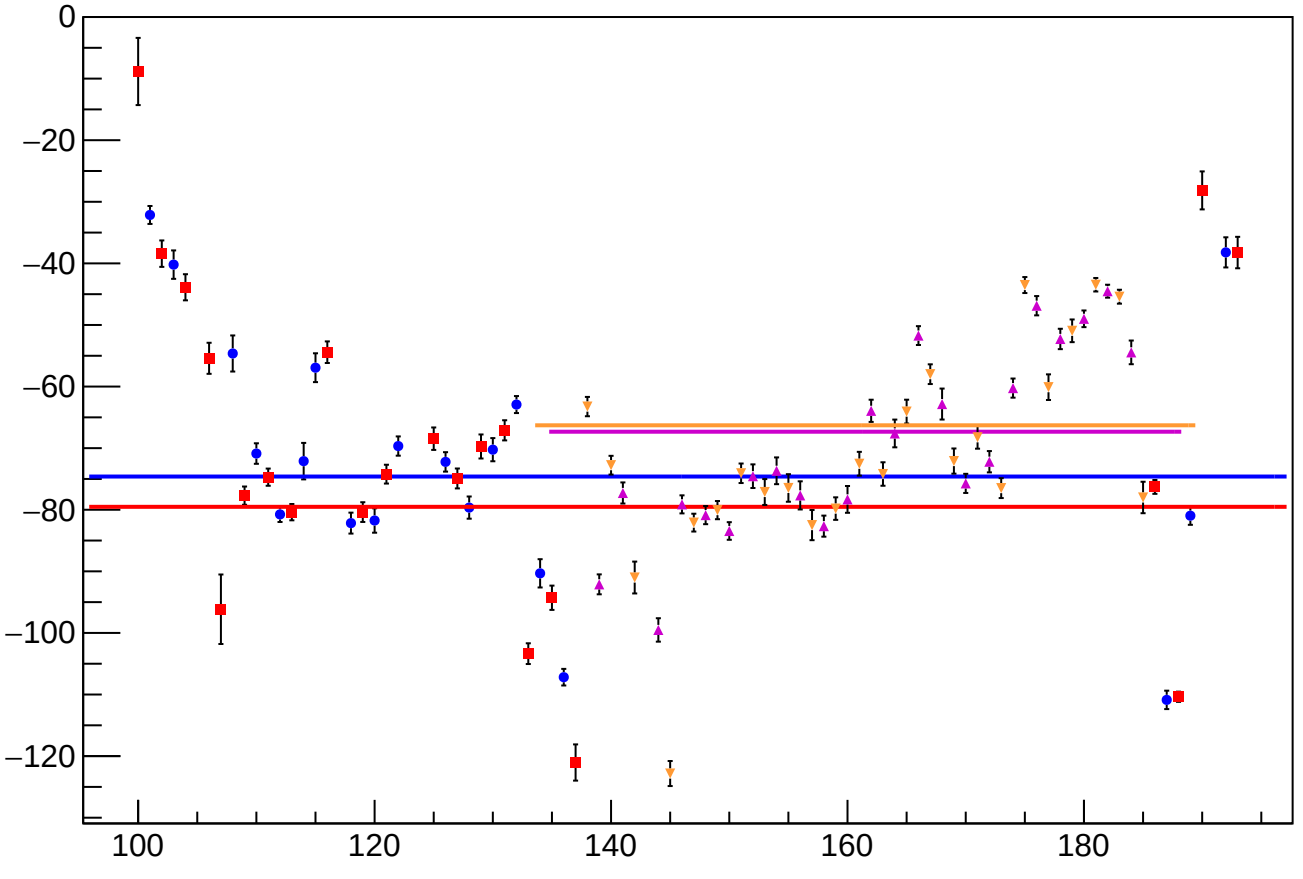
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.022+/-0.003 χ^2/NDF: 54.6/43

All: 0.022+/-0.002 χ^2/NDF: 8849.5/89

- sign 0.023+/-0.003 χ^2/NDF: 8794.9/45

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: -79.525+/-0.356 χ^2/NDF: 3668.2/21

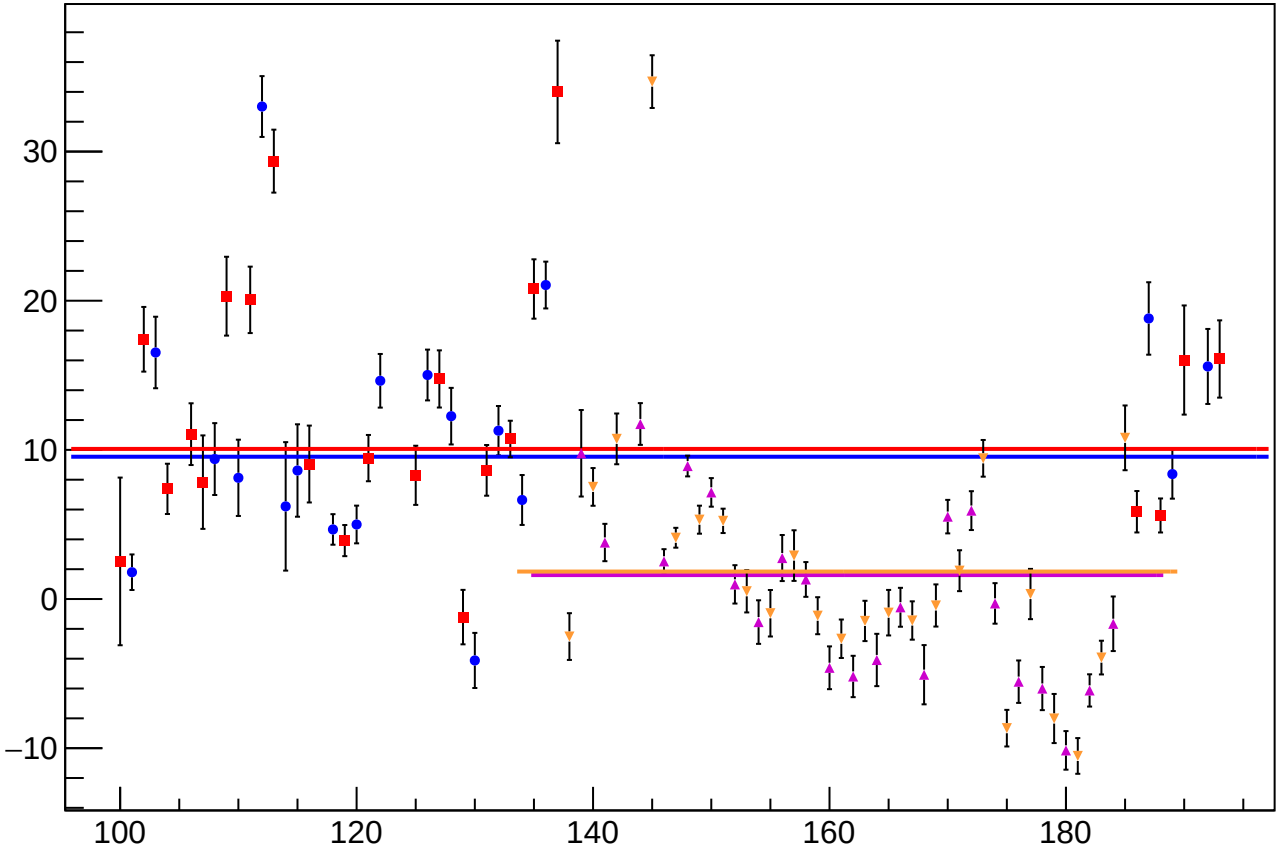
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.881+/-0.259 χ^2/NDF: 5599.0/42

All: -71.639+/-0.179 χ^2/NDF: 12063.3/87

- sign -73.245+/-0.248 χ^2/NDF: 6376.3/44

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: 10.064+/-0.387 χ^2/NDF: 326.3/21

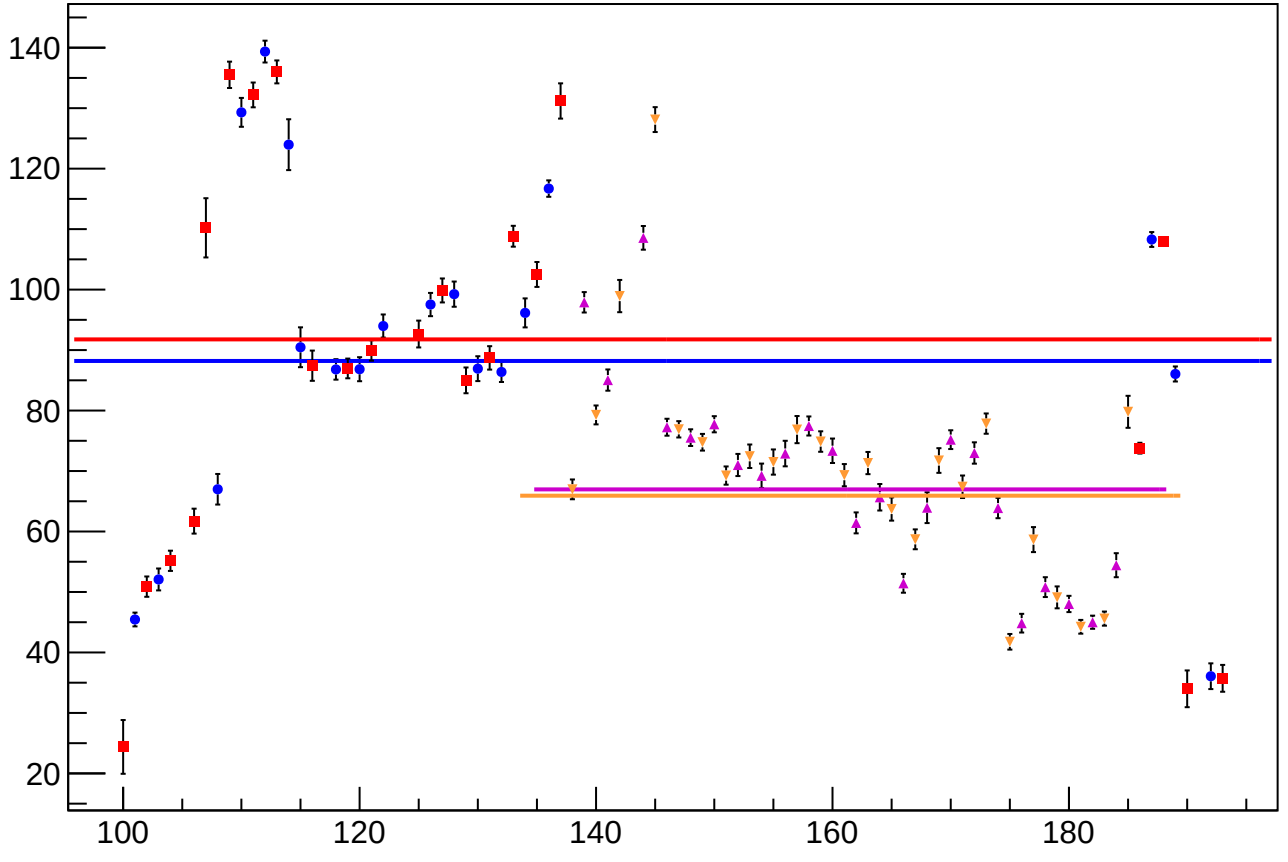
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

+ sign 4.054+/-0.215 χ^2/NDF: 1418.3/42

All: 4.133+/-0.152 χ^2/NDF: 2571.8/87

- sign 4.213+/-0.215 χ^2/NDF: 1153.2/44

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: 91.766+/-0.351 χ^2/NDF: 5207.7/21

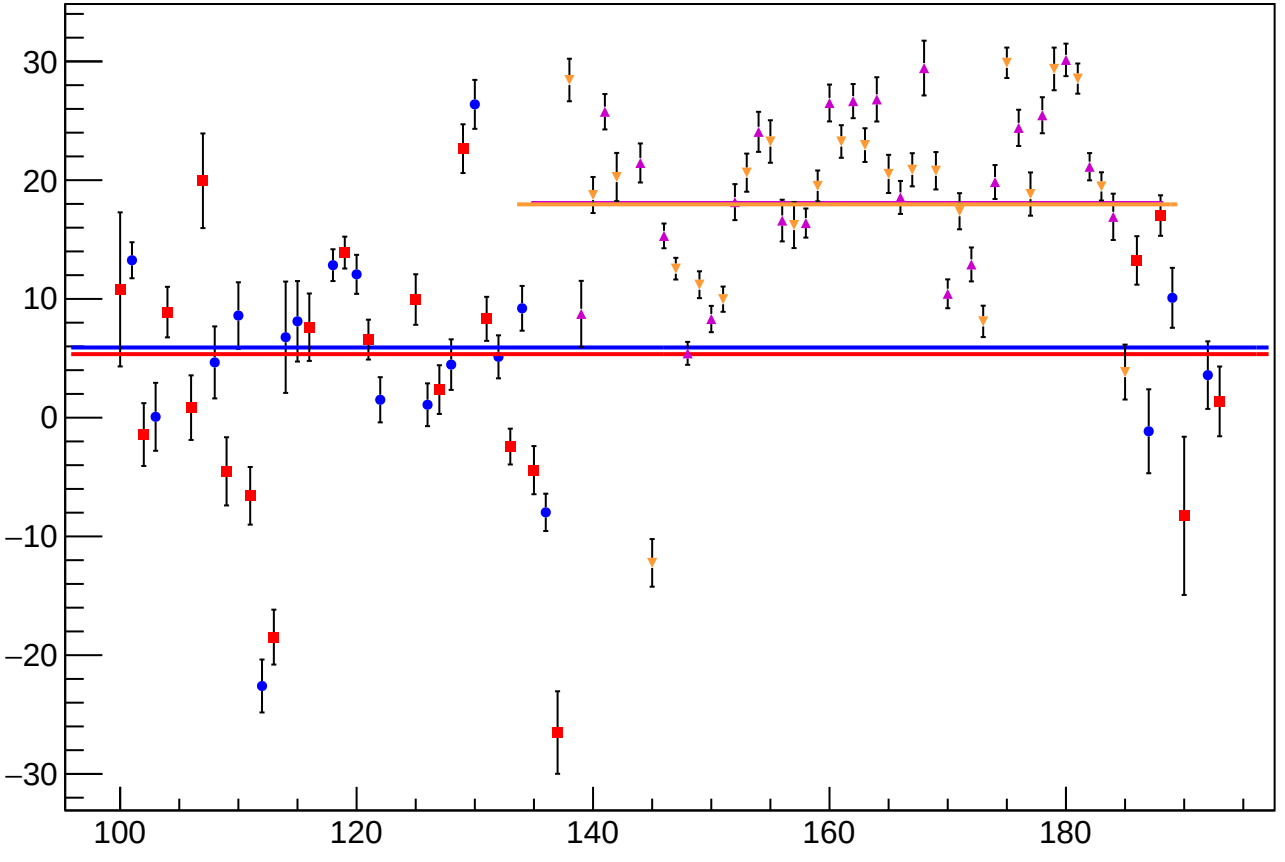
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 75.138+/-0.261 χ^2/NDF: 8758.4/42

All: 77.193+/-0.178 χ^2/NDF: 18869.2/87

- sign 79.004+/-0.245 χ^2/NDF: 9993.8/44

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: 5.350+/-0.468 χ^2/NDF: 492.3/21

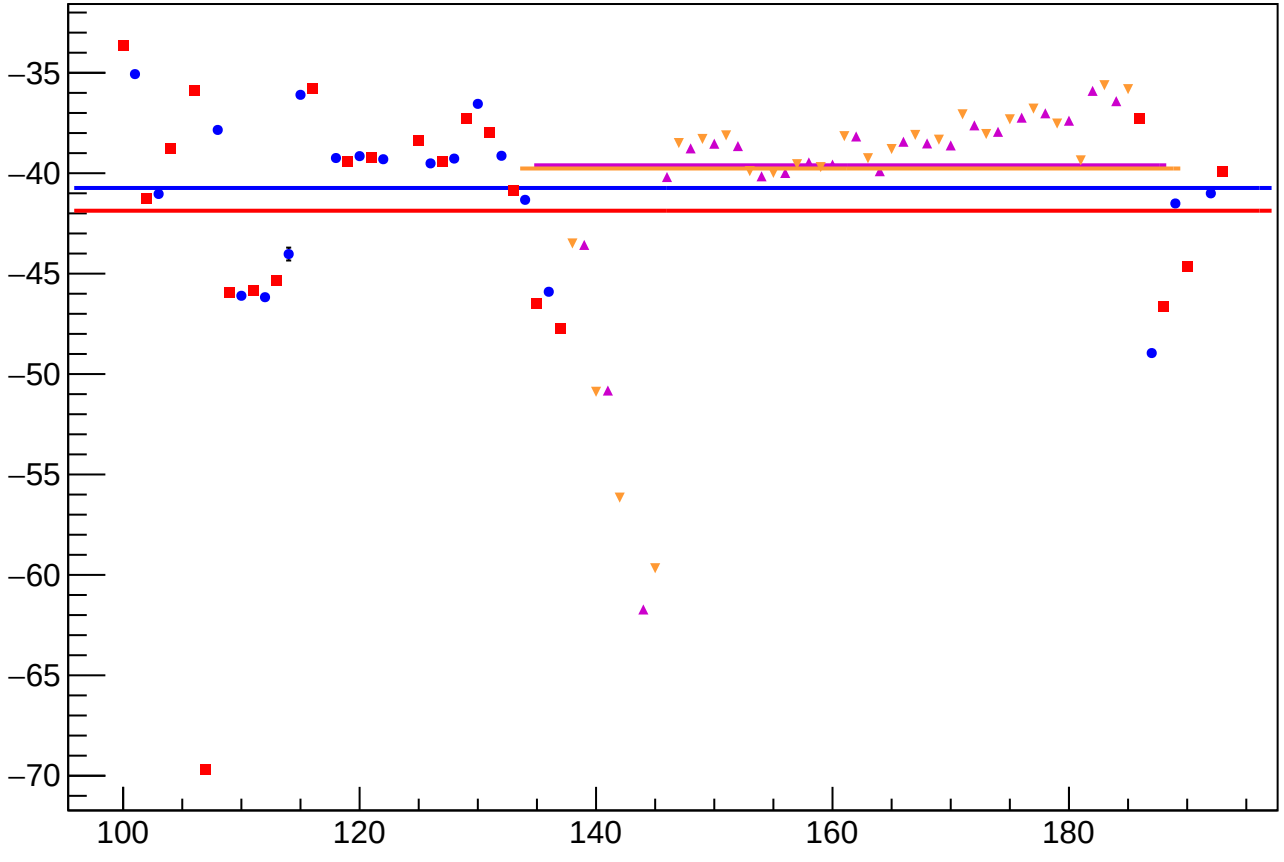
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.650+/-0.249 χ^2/NDF: 1634.8/42

All: 14.555+/-0.176 χ^2/NDF: 3262.5/87

- sign 14.459+/-0.249 χ^2/NDF: 1627.5/44

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: -41.867+/-0.026 χ^2/NDF: 41370.2/21

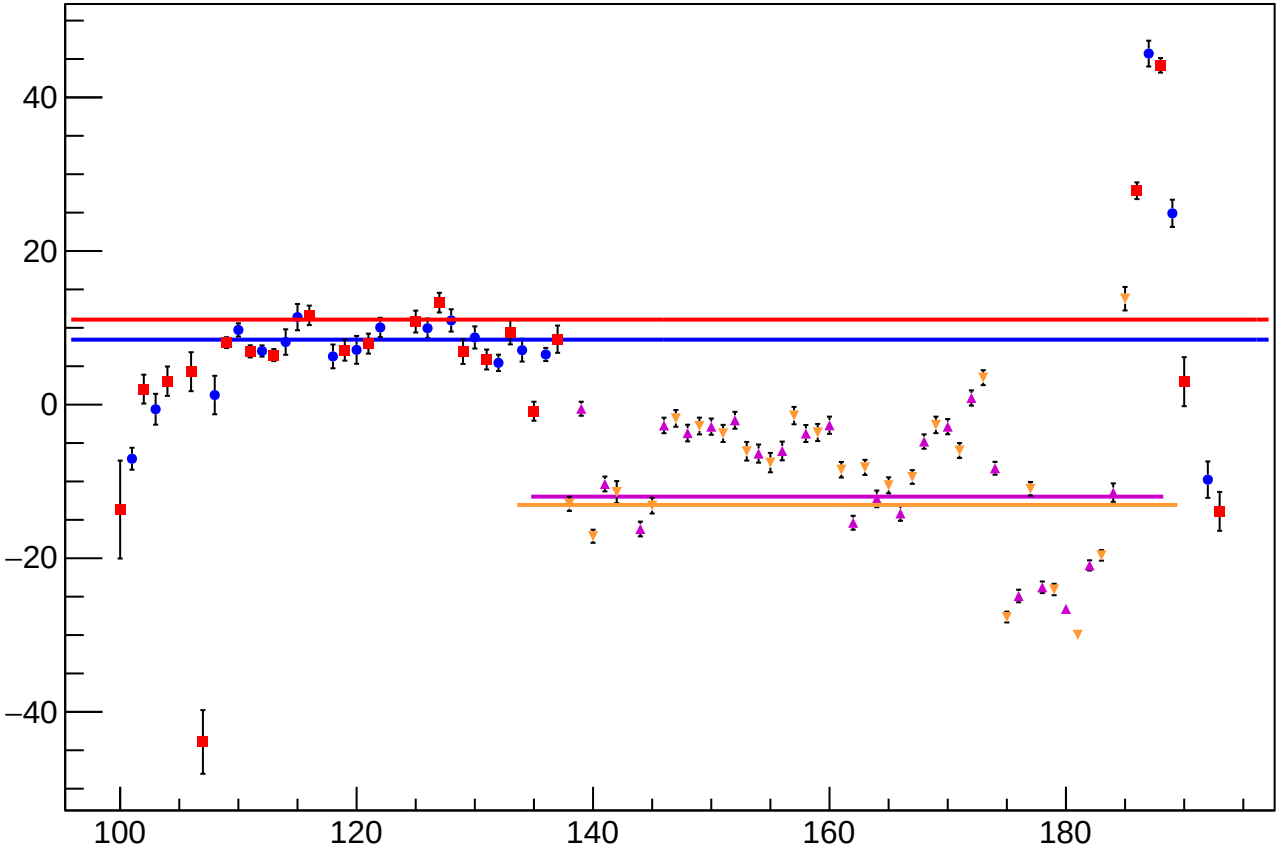
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.970+/-0.012 χ^2/NDF: 150983.7/42

All: -40.025+/-0.008 χ^2/NDF: 305032.9/87

- sign -40.080+/-0.012 χ^2/NDF: 154006.1/44

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: 11.071+/-0.273 χ^2/NDF: 2010.1/21

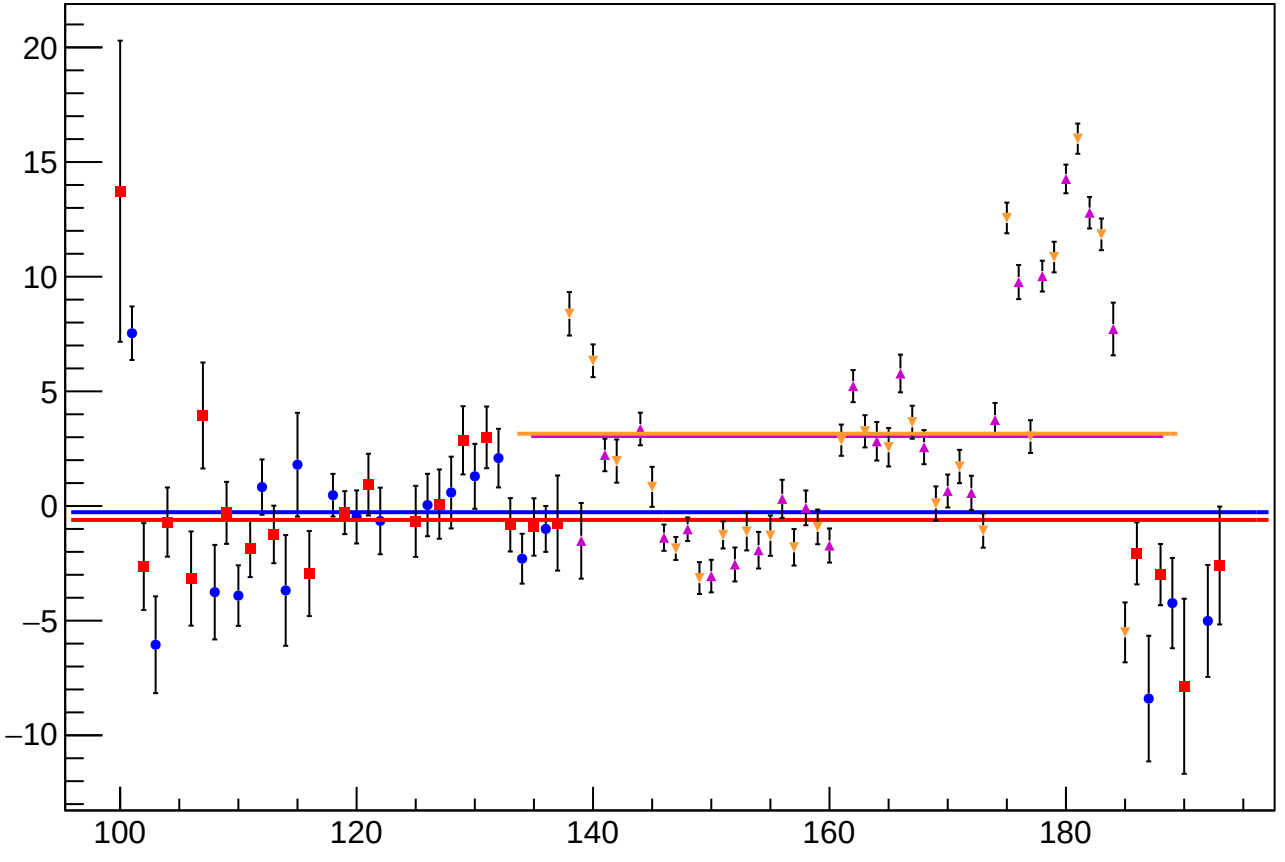
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

\+ sign -6.689+/-0.162 χ^2/NDF: 7366.9/42

All: -5.397+/-0.113 χ^2/NDF: 16399.7/87

\- sign -4.151+/-0.159 χ^2/NDF: 8907.5/44

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: -0.606+/-0.320 χ^2/NDF: 37.1/21

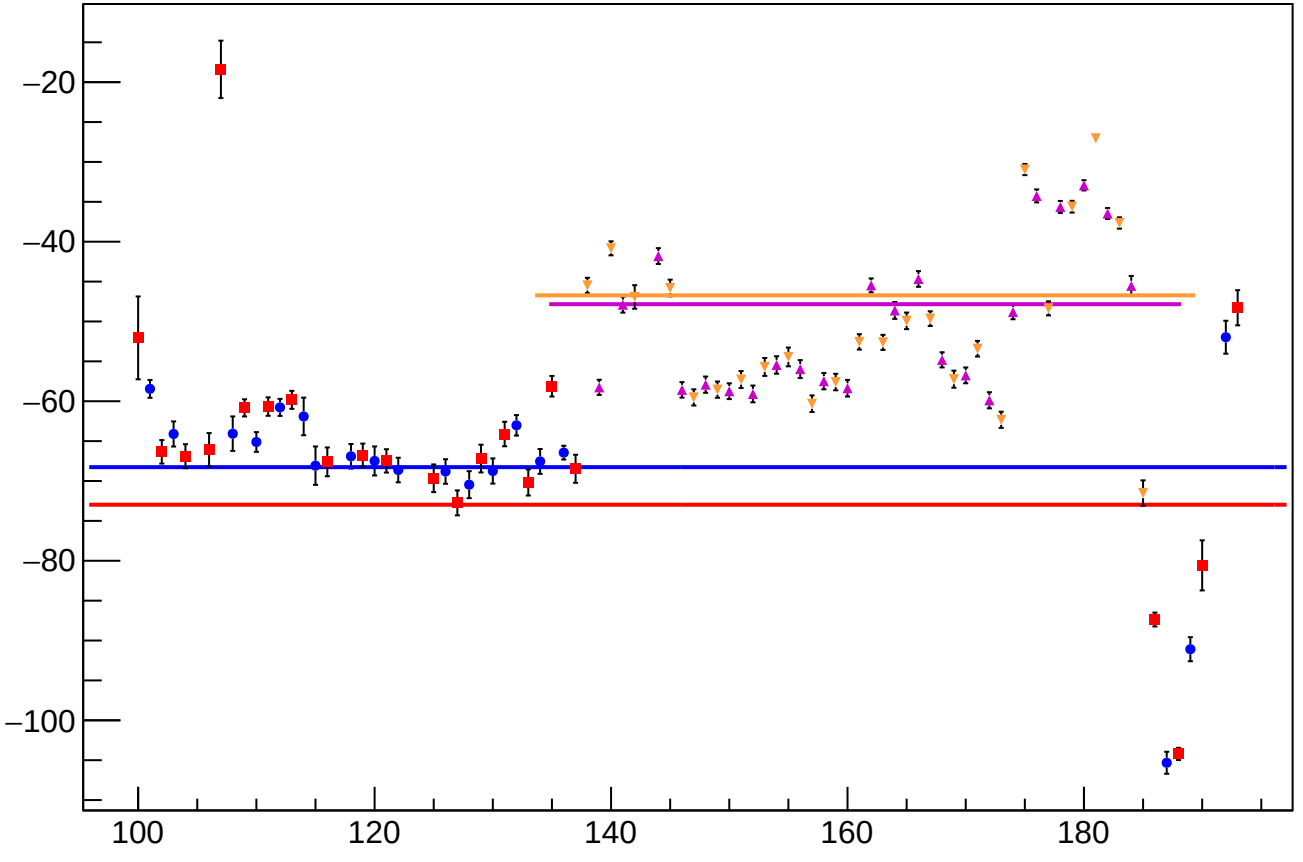
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.548+/-0.135 χ^2/NDF: 1570.8/42

All: 2.466+/-0.096 χ^2/NDF: 2860.4/87

- sign 2.381+/-0.137 χ^2/NDF: 1288.9/44

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: -72.973+/-0.301 χ^2/NDF: 2970.0/21

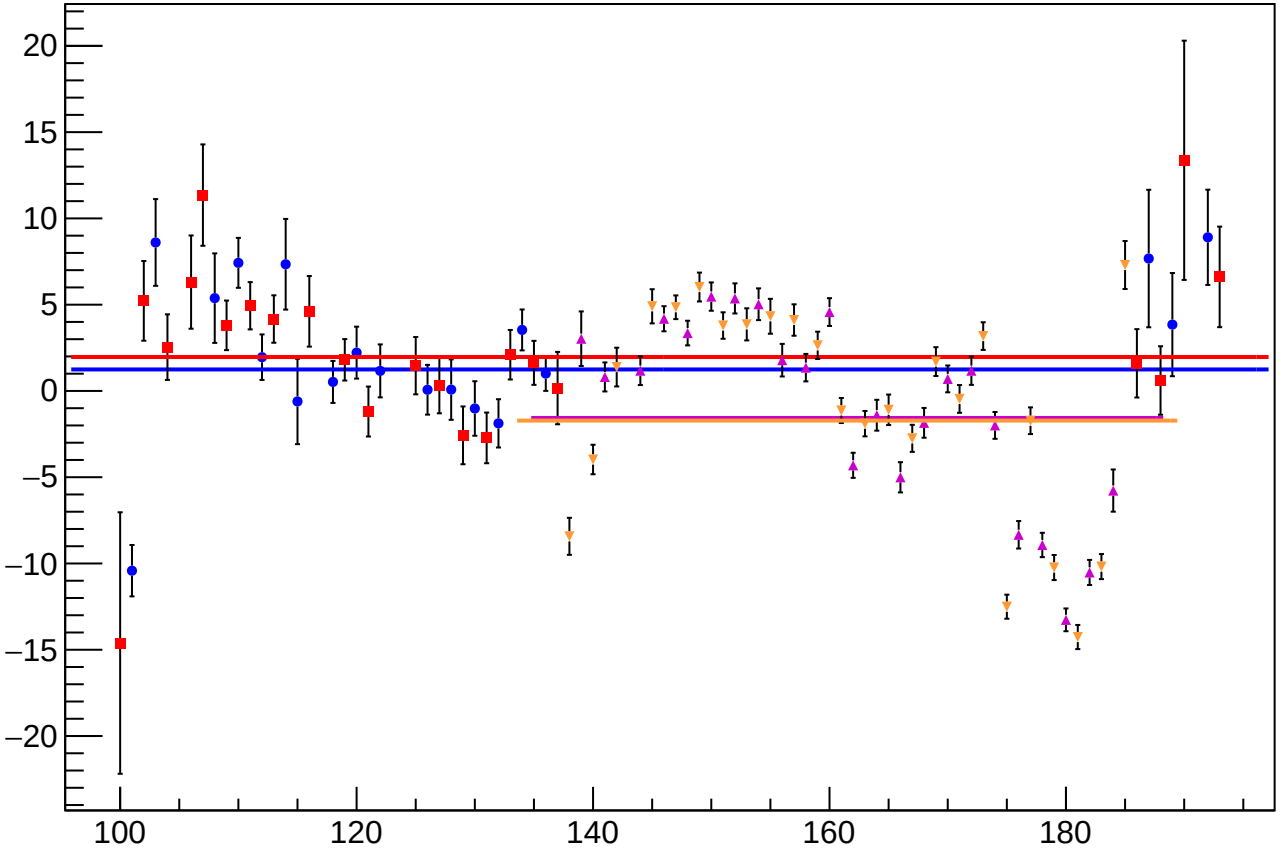
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

\+ sign -52.151+/-0.166 χ^2/NDF: 7818.5/42

All: -53.700+/-0.116 χ^2/NDF: 18444.3/87

\- sign -55.199+/-0.163 χ^2/NDF: 10453.8/44

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: 1.966+/-0.372 χ^2/NDF: 60.2/21

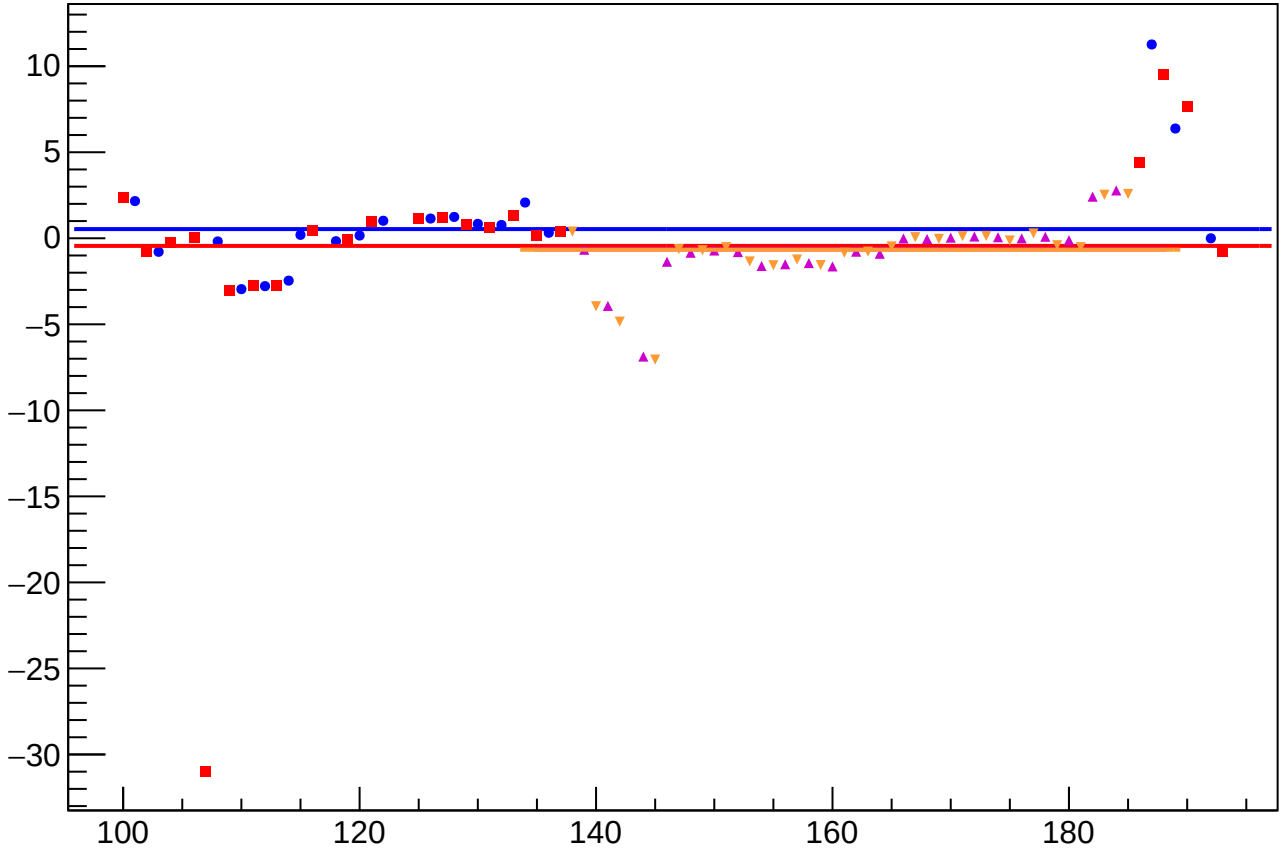
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.207+/-0.153 χ^2/NDF: 1580.6/42

All: -1.082+/-0.109 χ^2/NDF: 2834.5/87

- sign -0.952+/-0.155 χ^2/NDF: 1252.5/44

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: -0.443+/-0.021 χ^2/NDF: 59926.5/21

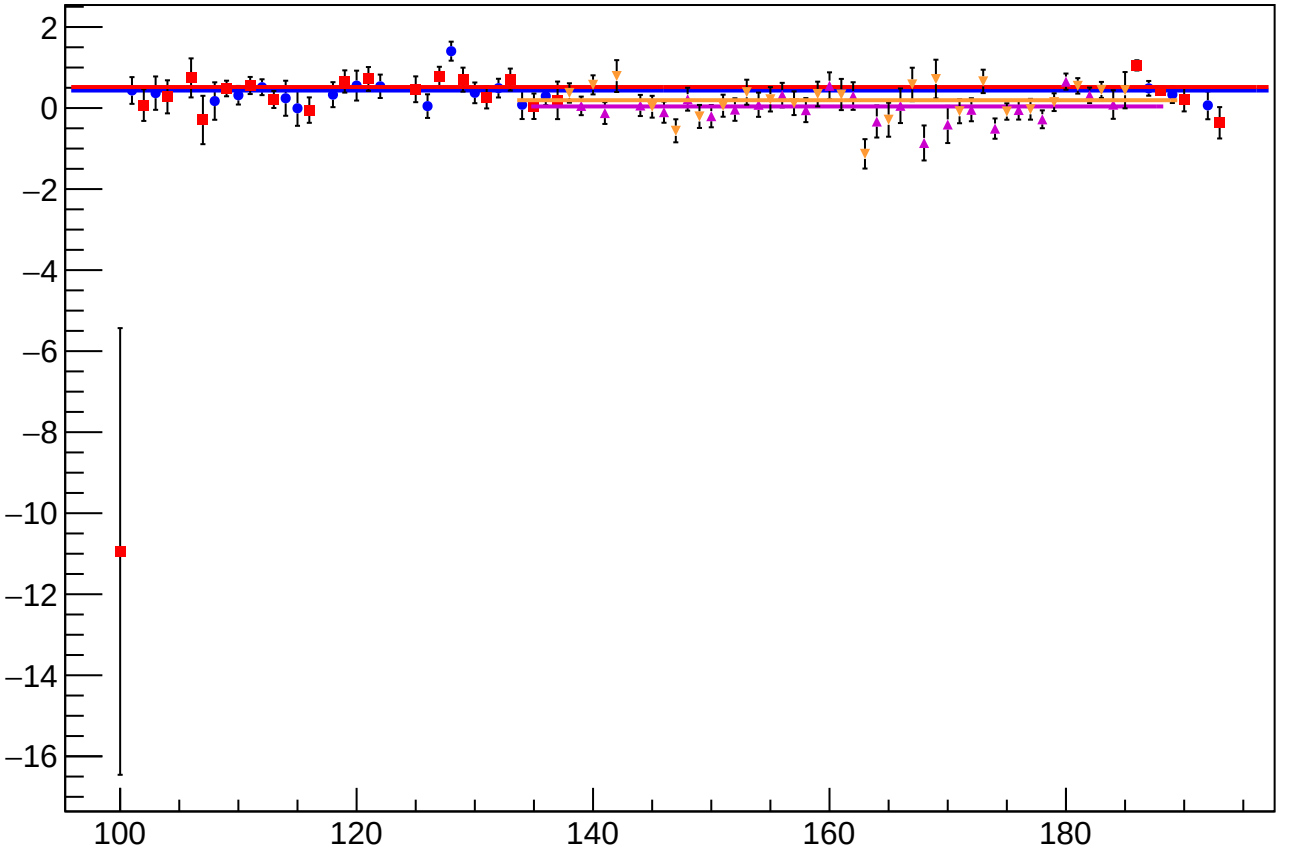
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.519+/-0.007 χ^2/NDF: 67808.5/42

All: -0.570+/-0.005 χ^2/NDF: 173496.1/87

- sign -0.622+/-0.007 χ^2/NDF: 105581.0/44

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: 0.519+/-0.051 χ^2/NDF: 44.6/21

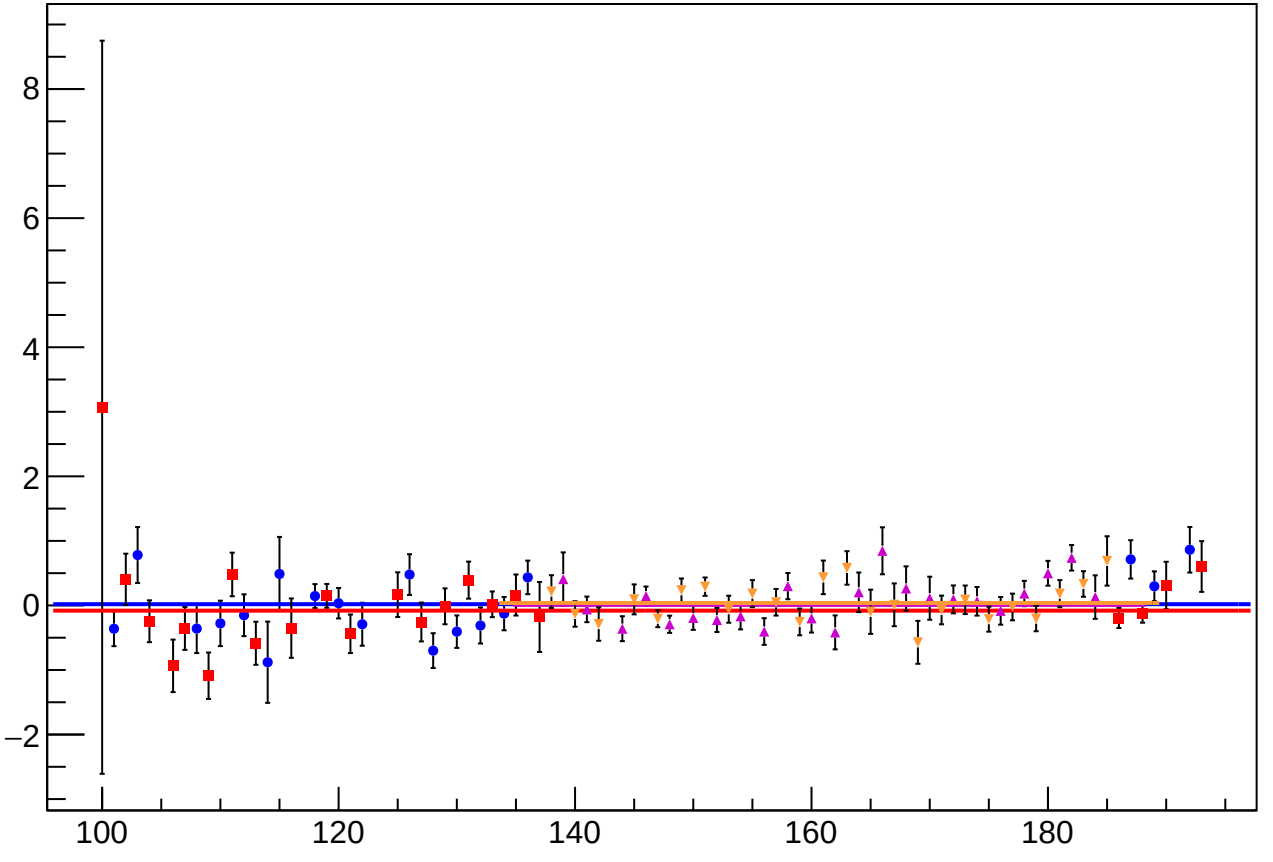
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.303+/-0.042 χ^2/NDF: 76.4/42

All: 0.305+/-0.028 χ^2/NDF: 190.1/87

- sign 0.306+/-0.038 χ^2/NDF: 113.7/44

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: -0.081+/-0.059 χ^2/NDF: 32.6/21

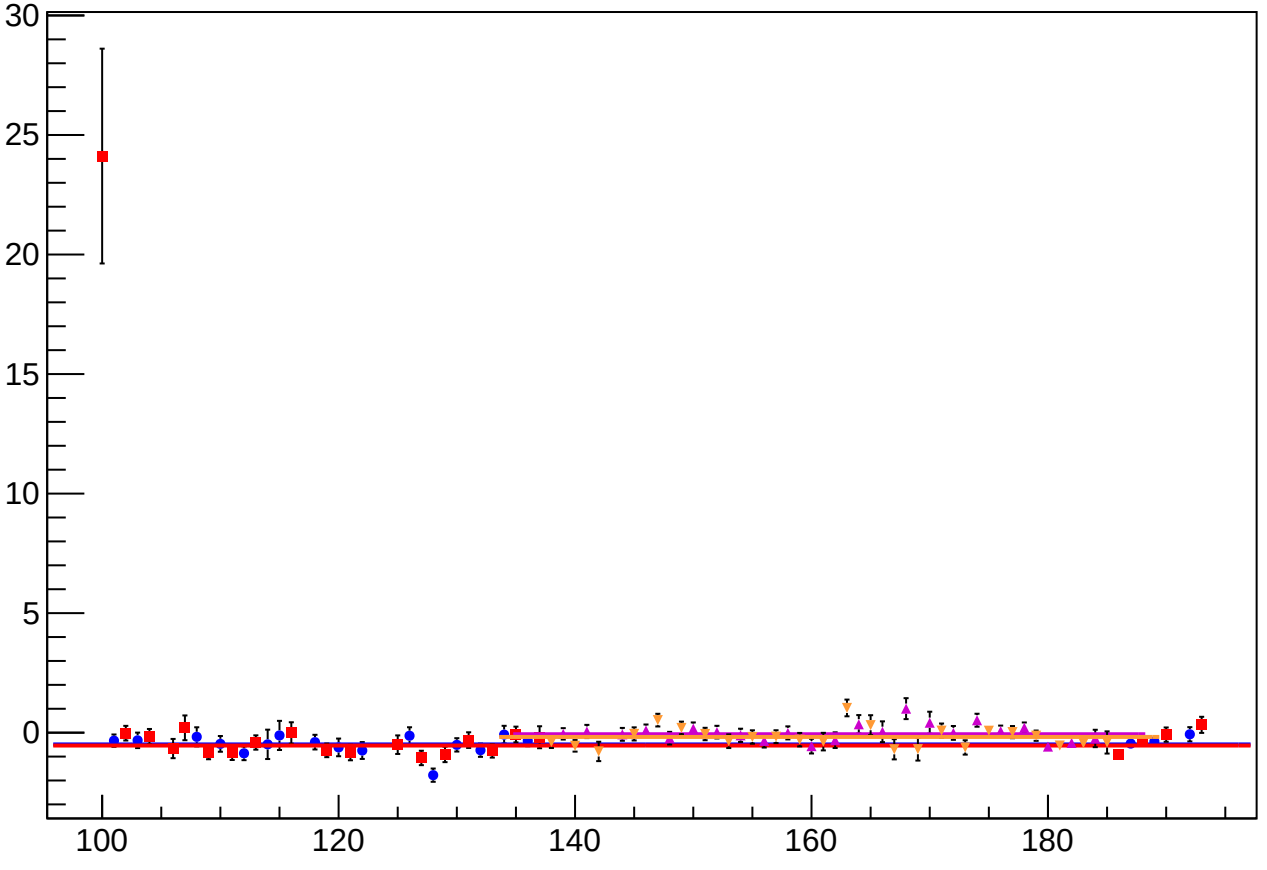
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.032+/-0.036 χ^2/NDF: 72.9/42

All: 0.004+/-0.025 χ^2/NDF: 159.6/87

- sign -0.023+/-0.035 χ^2/NDF: 85.5/44

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: -0.538+/-0.049 χ^2/NDF: 73.7/21

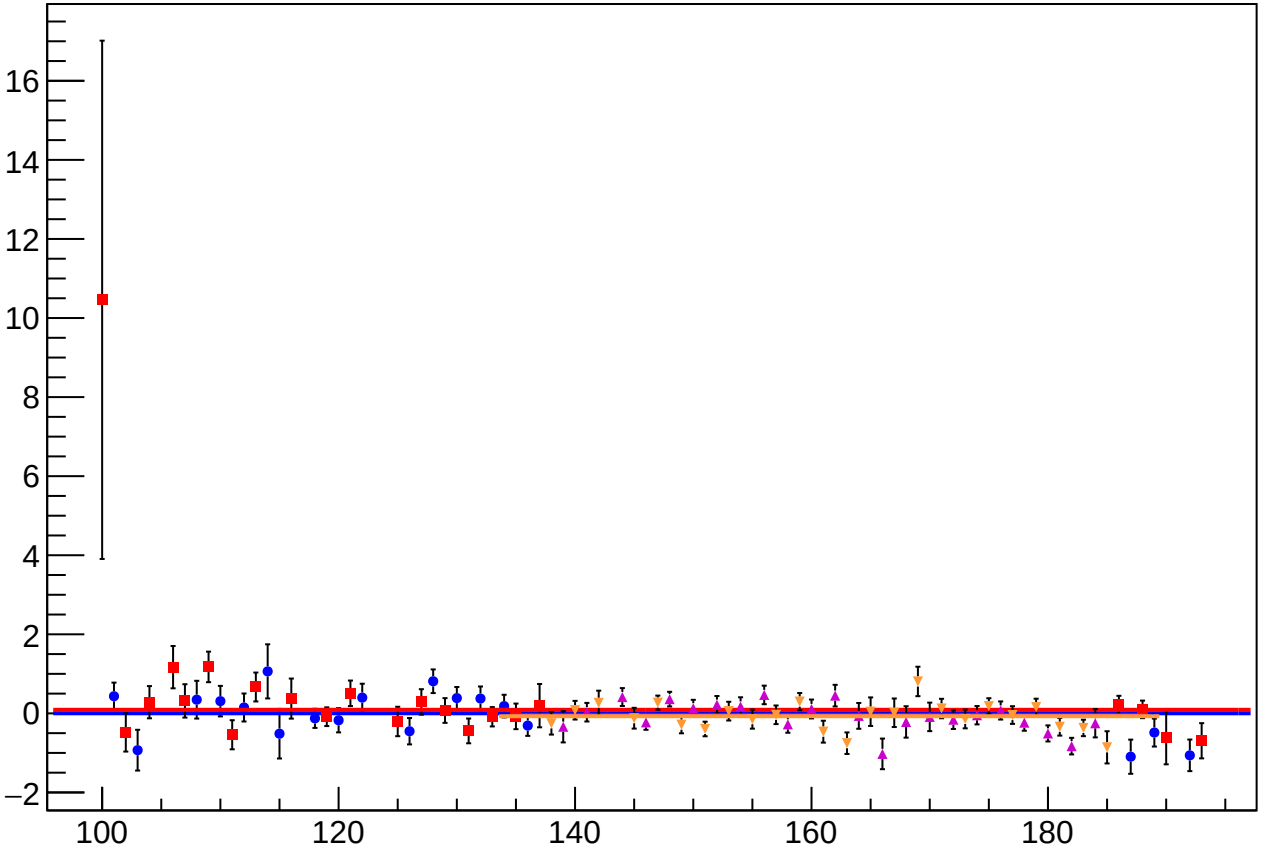
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.315+/-0.042 χ^2/NDF: 87.4/42

All: -0.327+/-0.028 χ^2/NDF: 232.1/87

- sign -0.336+/-0.037 χ^2/NDF: 144.5/44

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: 0.091+/-0.073 χ^2/NDF: 33.6/21

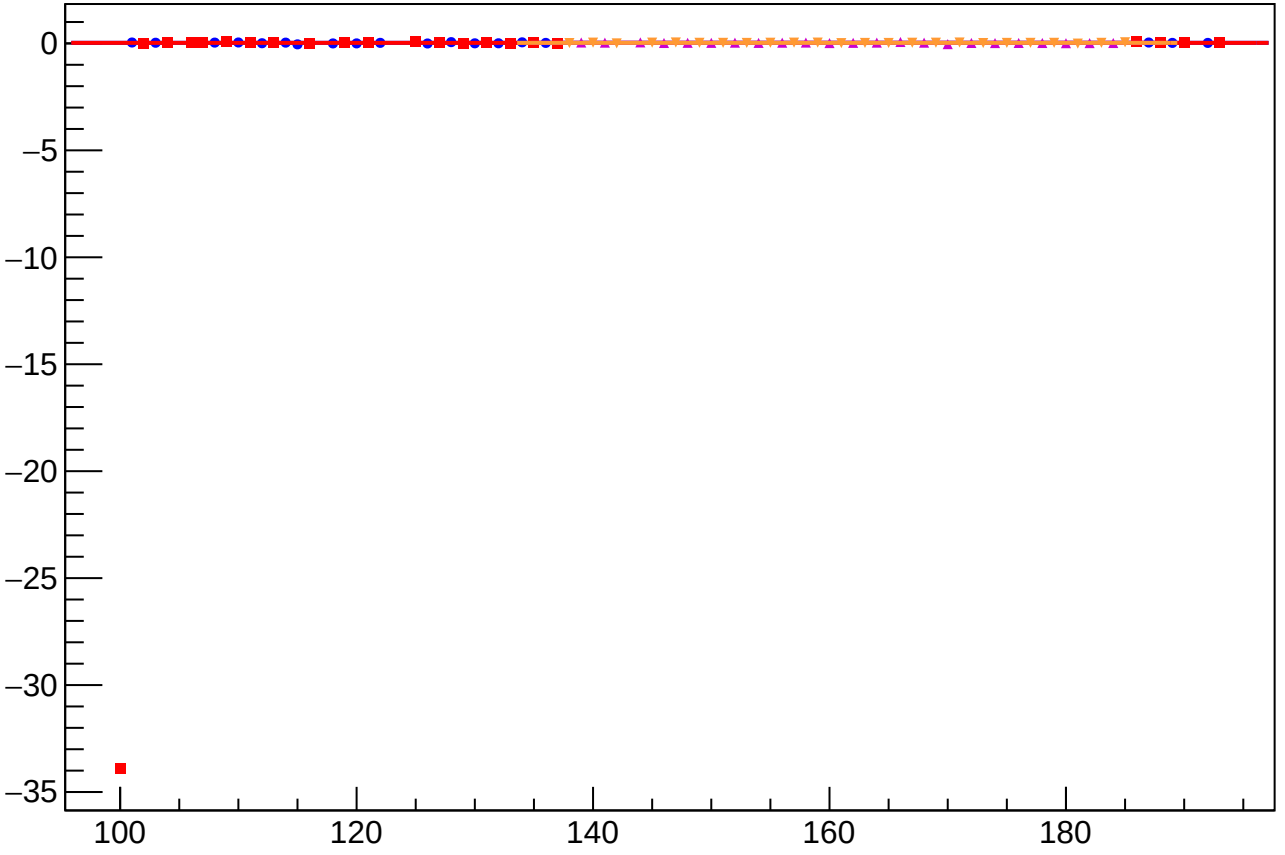
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.051+/-0.042 χ^2/NDF: 79.3/42

All: -0.027+/-0.029 χ^2/NDF: 166.4/87

- sign -0.003+/-0.041 χ^2/NDF: 86.4/44

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: 0.025+/-0.004 χ^2/NDF: 22304.1/21

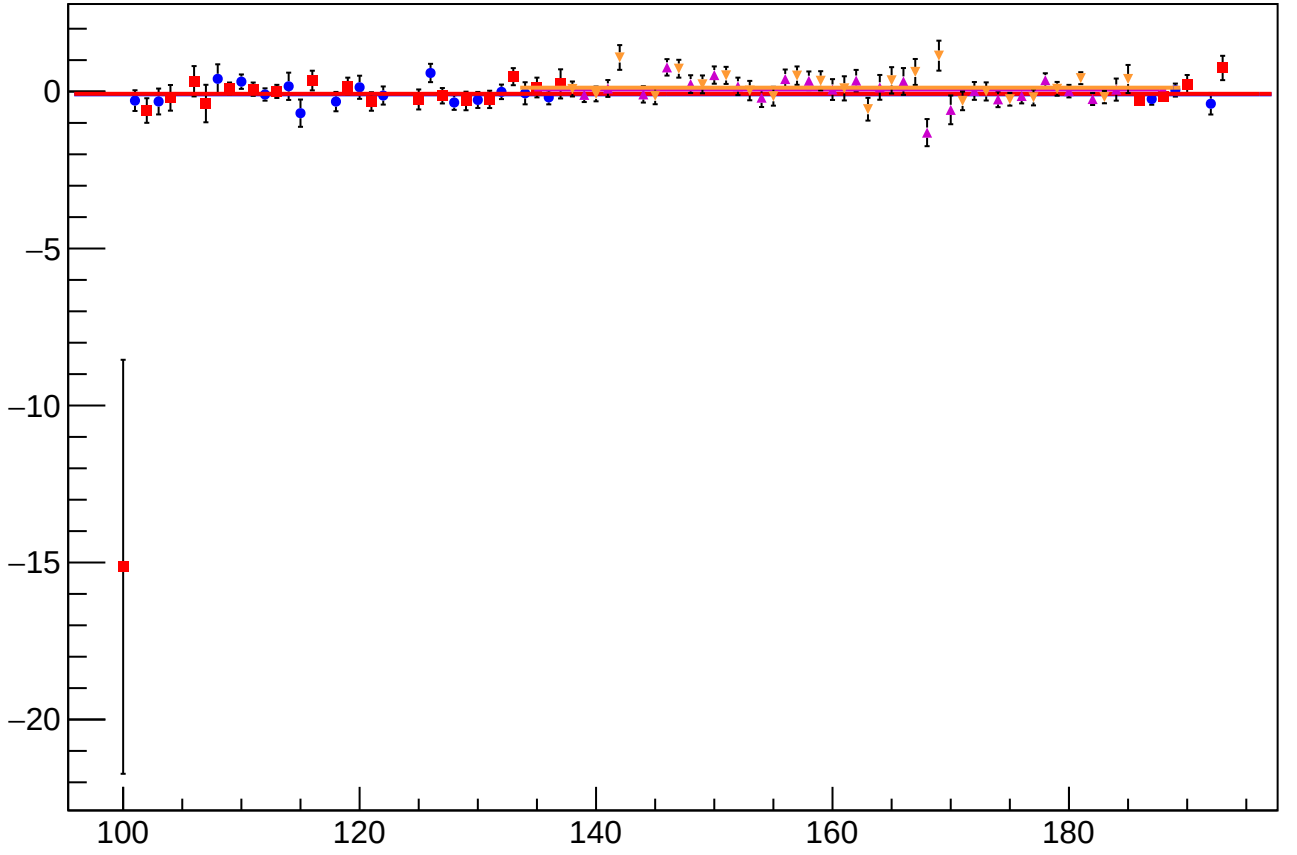
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.026+/-0.002 χ^2/NDF: 46.6/42

All: 0.026+/-0.001 χ^2/NDF: 22390.2/87

- sign 0.026+/-0.002 χ^2/NDF: 22343.6/44

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: -0.073+/-0.051 χ^2/NDF: 28.4/21

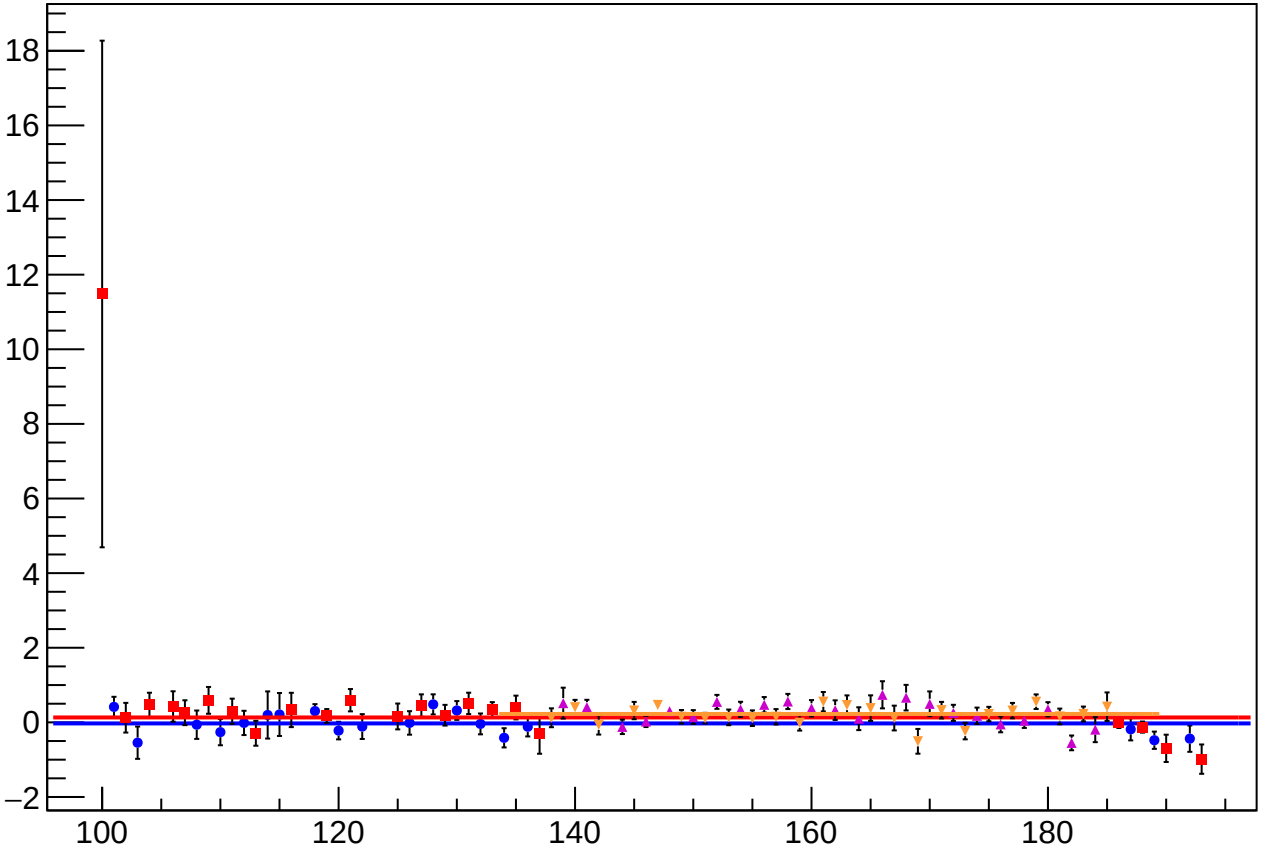
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.025+/-0.042 χ^2/NDF: 63.4/42

All: 0.005+/-0.028 χ^2/NDF: 129.6/87

- sign -0.013+/-0.038 χ^2/NDF: 65.7/44

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: 0.132+/-0.059 χ^2/NDF: 32.9/21

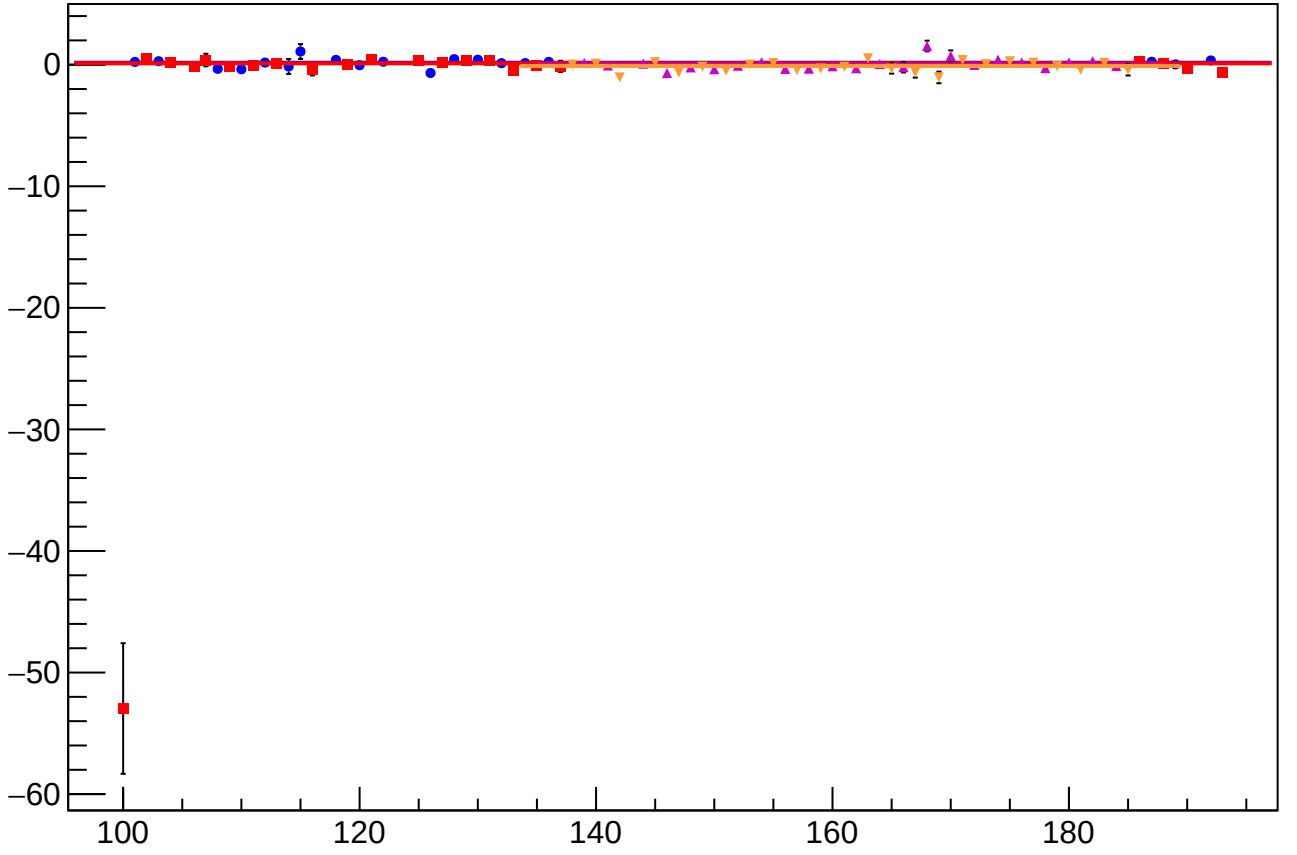
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.150+/-0.036 χ^2/NDF: 56.4/42

All: 0.170+/-0.025 χ^2/NDF: 130.7/87

- sign 0.189+/-0.035 χ^2/NDF: 73.7/44

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: 0.114+/-0.049 χ^2/NDF: 118.2/21

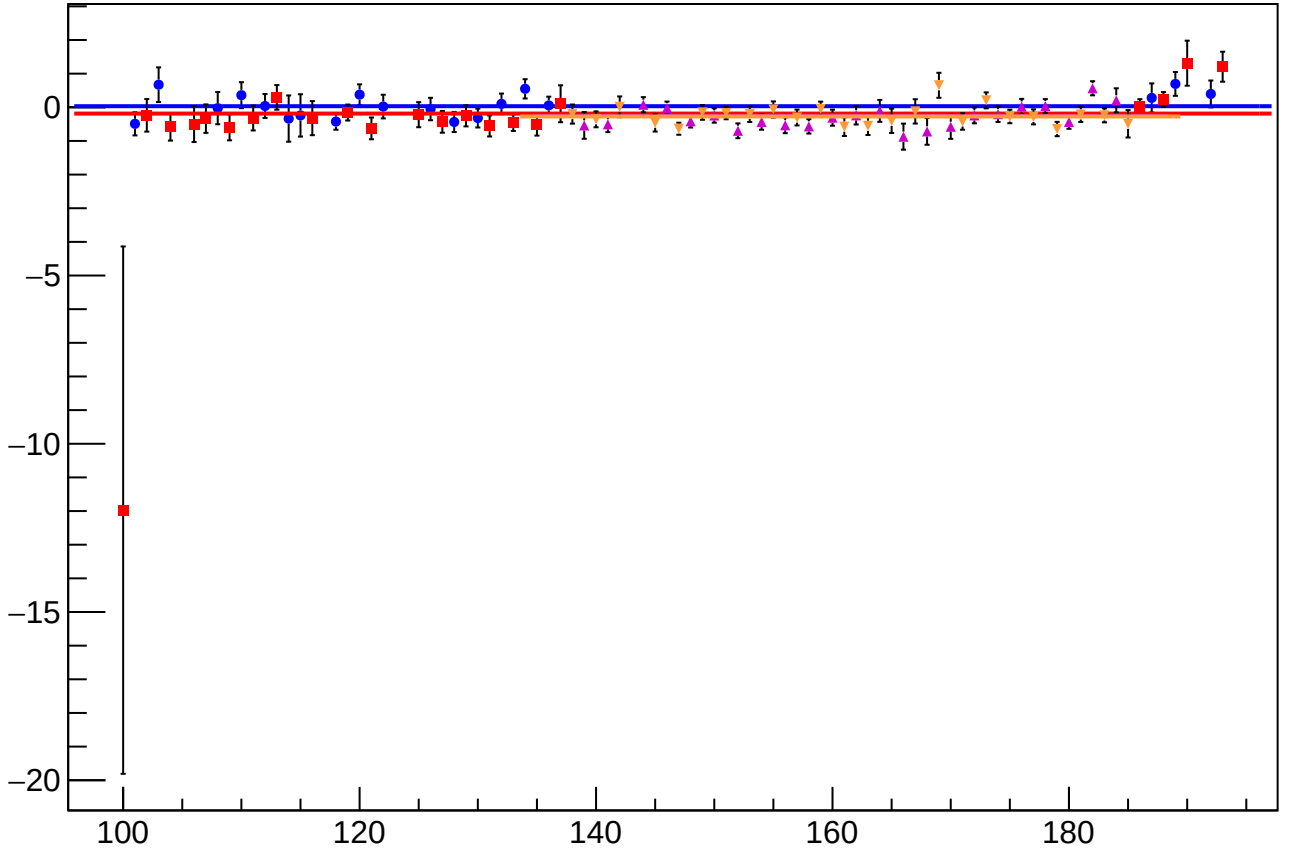
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.012+/-0.042 χ^2/NDF: 64.3/42

All: 0.040+/-0.028 χ^2/NDF: 223.9/87

- sign 0.061+/-0.037 χ^2/NDF: 158.9/44

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: -0.187+/-0.073 χ^2/NDF: 32.2/21

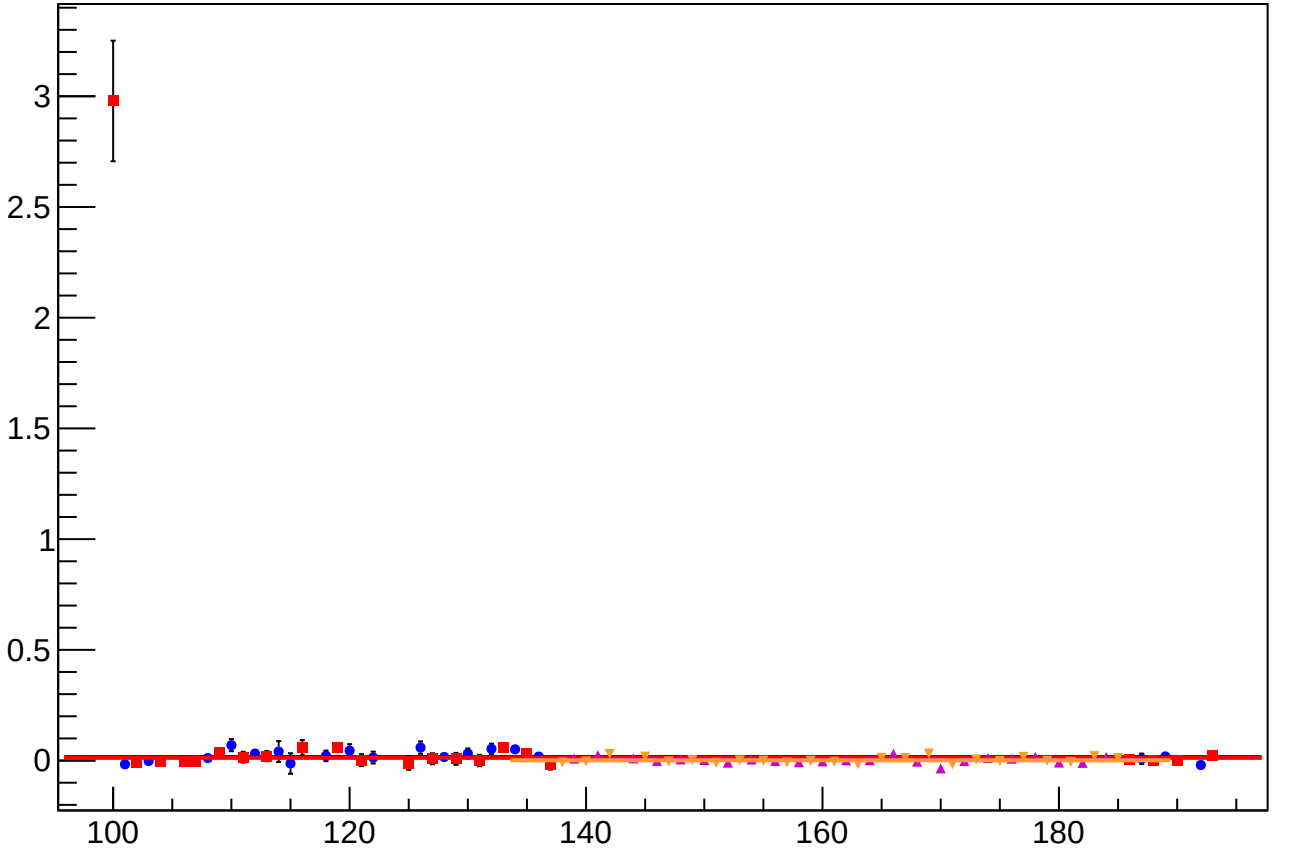
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.186+/-0.042 χ^2/NDF: 57.6/42

All: -0.209+/-0.029 χ^2/NDF: 131.6/87

- sign -0.233+/-0.041 χ^2/NDF: 73.4/44

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: 0.012+/-0.004 χ^2/NDF: 143.2/21

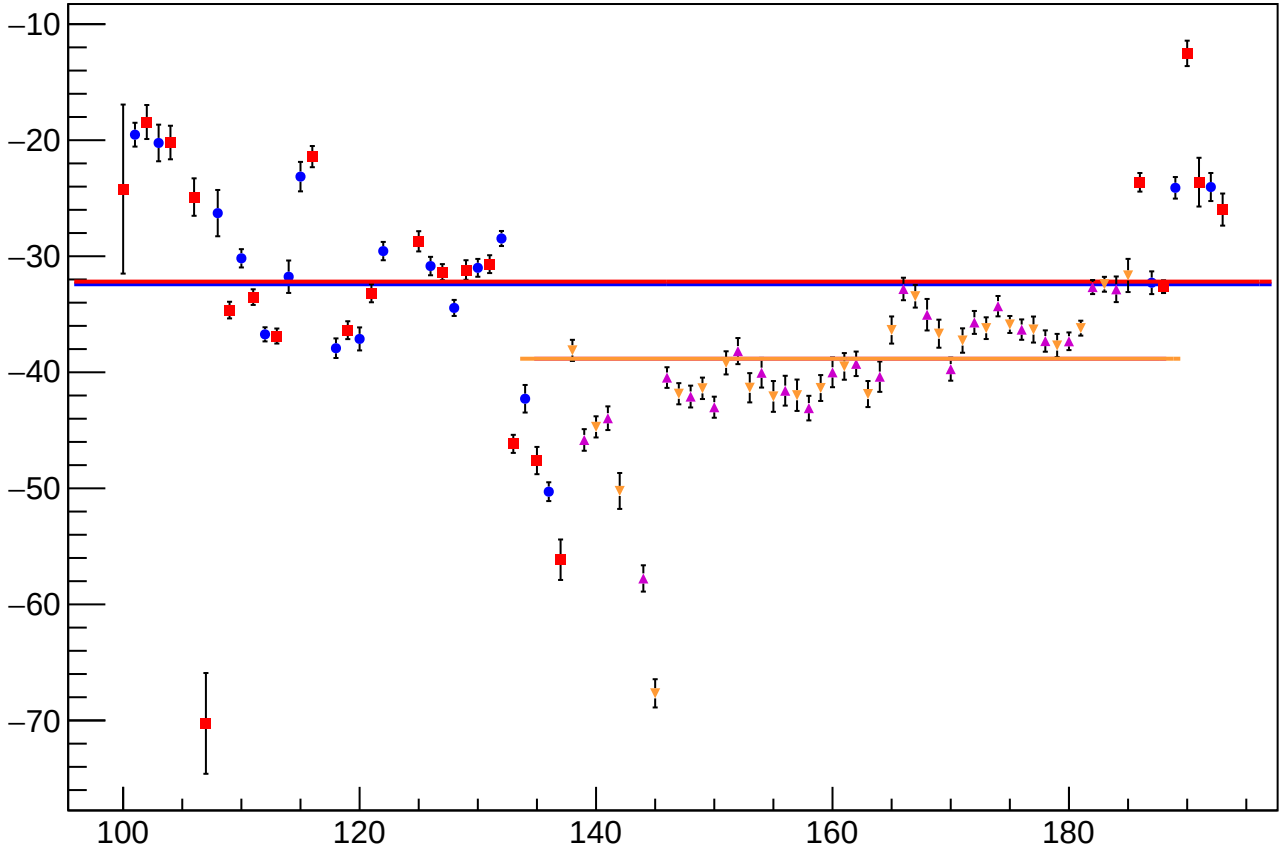
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.004+/-0.002 χ^2/NDF: 68.1/42

All: 0.004+/-0.001 χ^2/NDF: 240.6/87

- sign 0.005+/-0.002 χ^2/NDF: 172.5/44

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: -32.185+/-0.189 χ^2/NDF: 1674.1/22

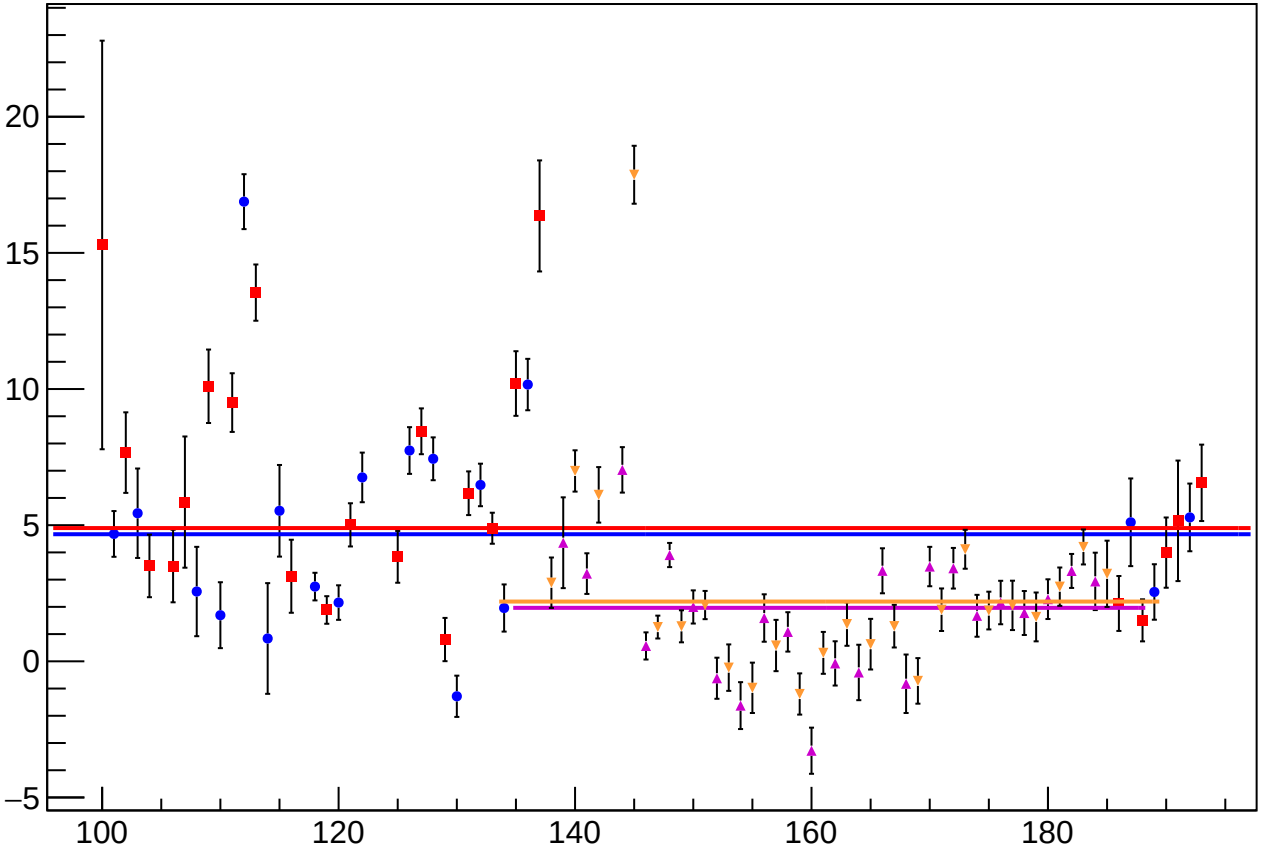
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -35.658+/-0.144 χ^2/NDF: 2568.7/42

All: -35.452+/-0.100 χ^2/NDF: 5475.2/88

- sign -35.261+/-0.138 χ^2/NDF: 2902.6/45

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: 4.894+/-0.204 χ^2/NDF: 277.0/22

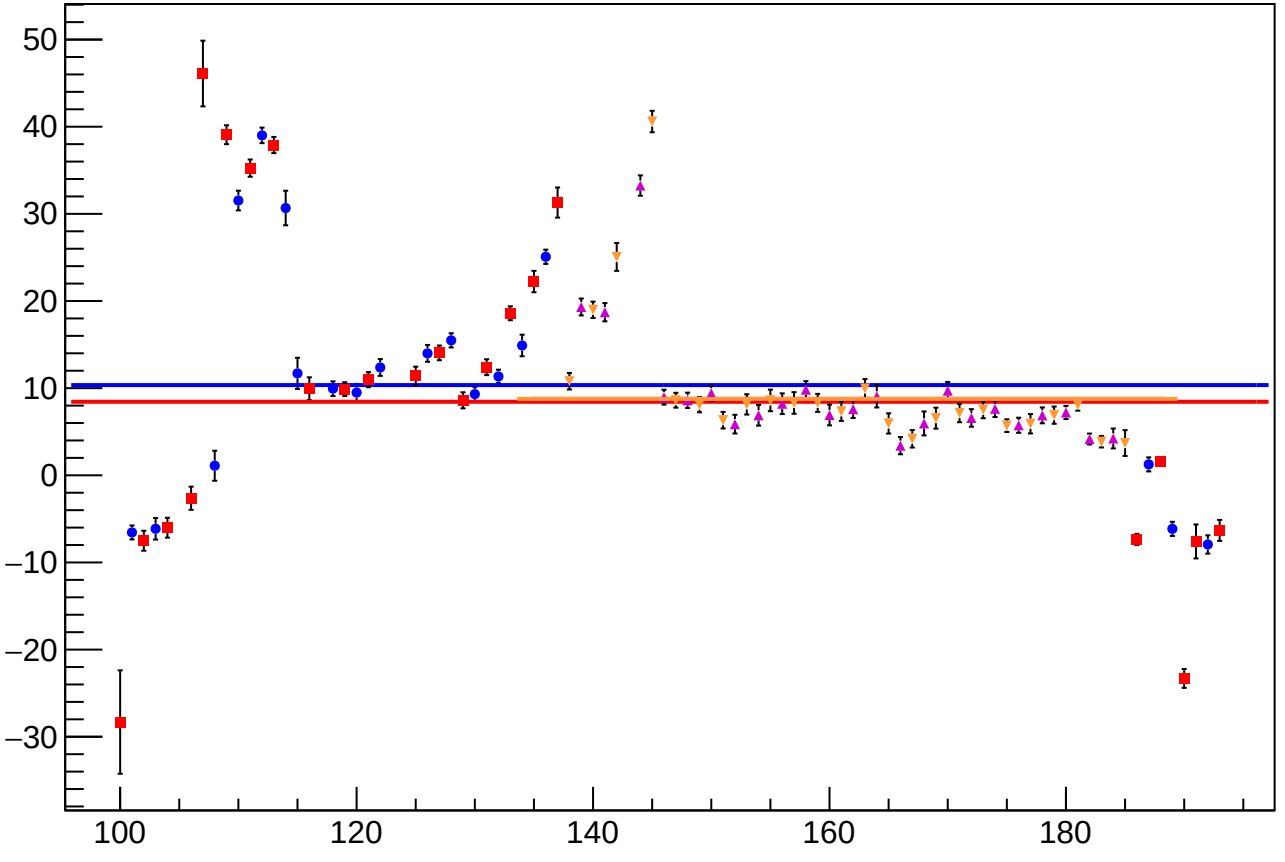
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.049+/-0.123 χ^2/NDF: 790.7/42

All: 3.042+/-0.087 χ^2/NDF: 1371.7/88

- sign 3.034+/-0.123 χ^2/NDF: 581.1/45

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: 8.438+/-0.199 χ^2/NDF: 5570.1/22

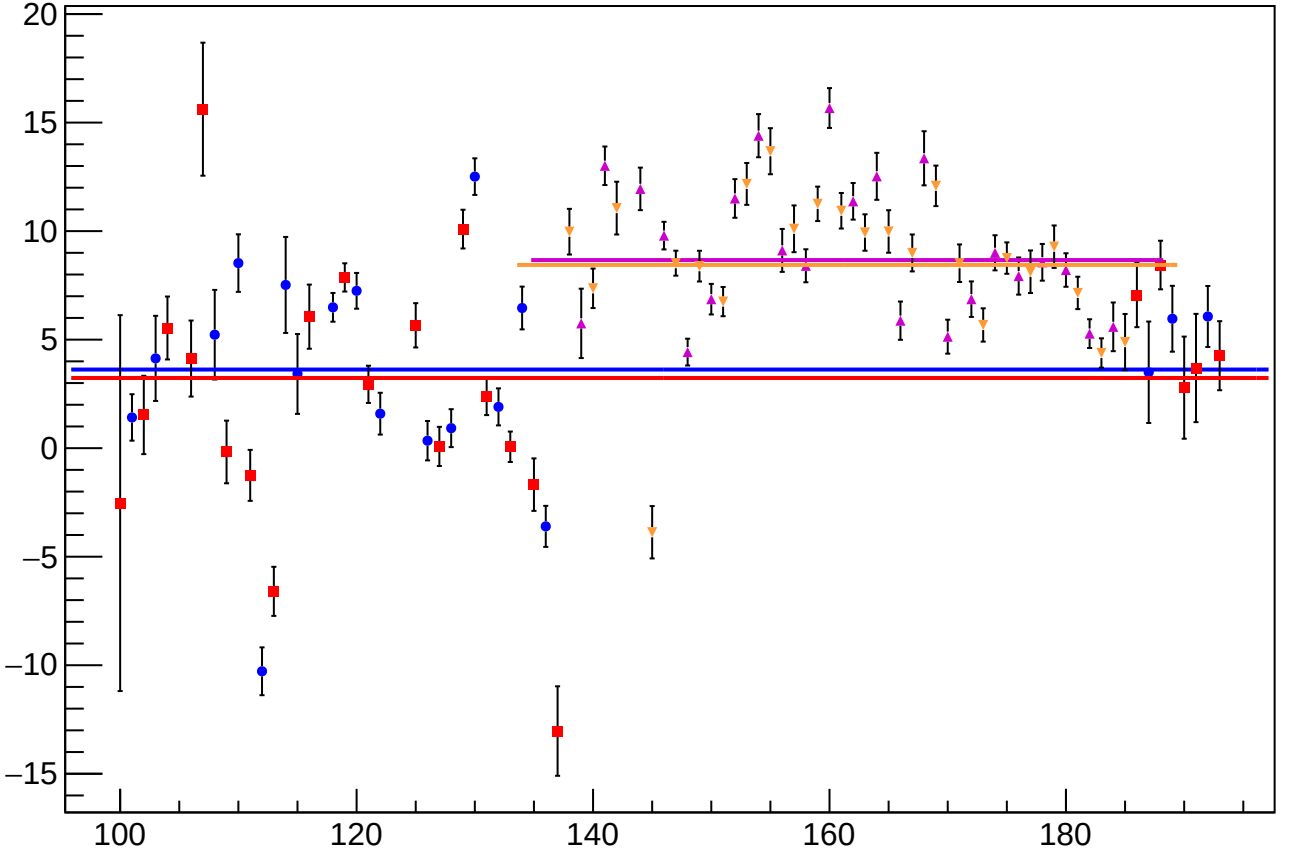
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 9.481+/-0.149 χ^2/NDF: 4444.8/42

All: 9.021+/-0.103 χ^2/NDF: 10829.7/88

- sign 8.603+/-0.142 χ^2/NDF: 6366.6/45

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: 3.233+/-0.242 χ^2/NDF: 376.6/22

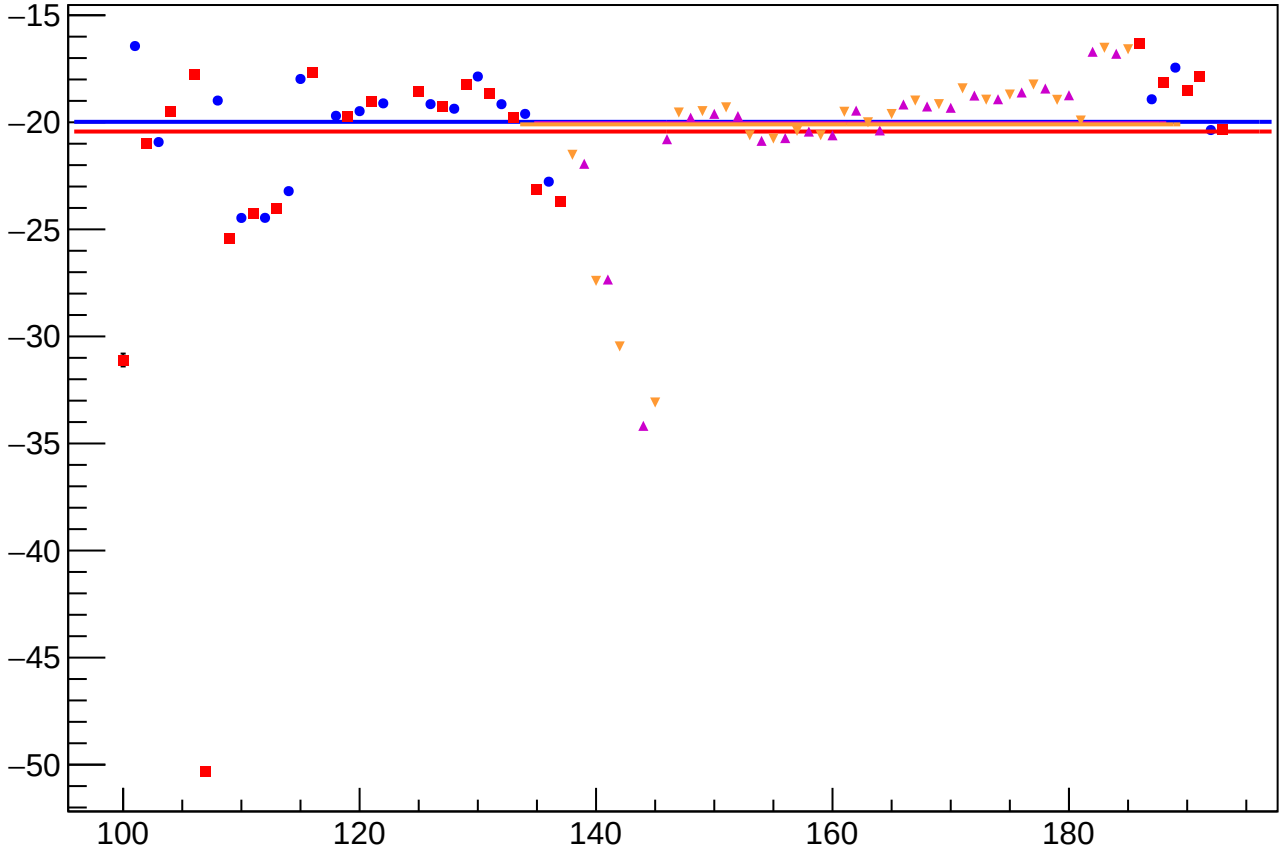
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.832+/-0.142 χ^2/NDF: 955.3/42

All: 6.811+/-0.100 χ^2/NDF: 1967.2/88

\- sign 6.790+/-0.142 χ^2/NDF: 1011.9/45

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: -20.432+/-0.014 χ^2/NDF: 64527.0/22

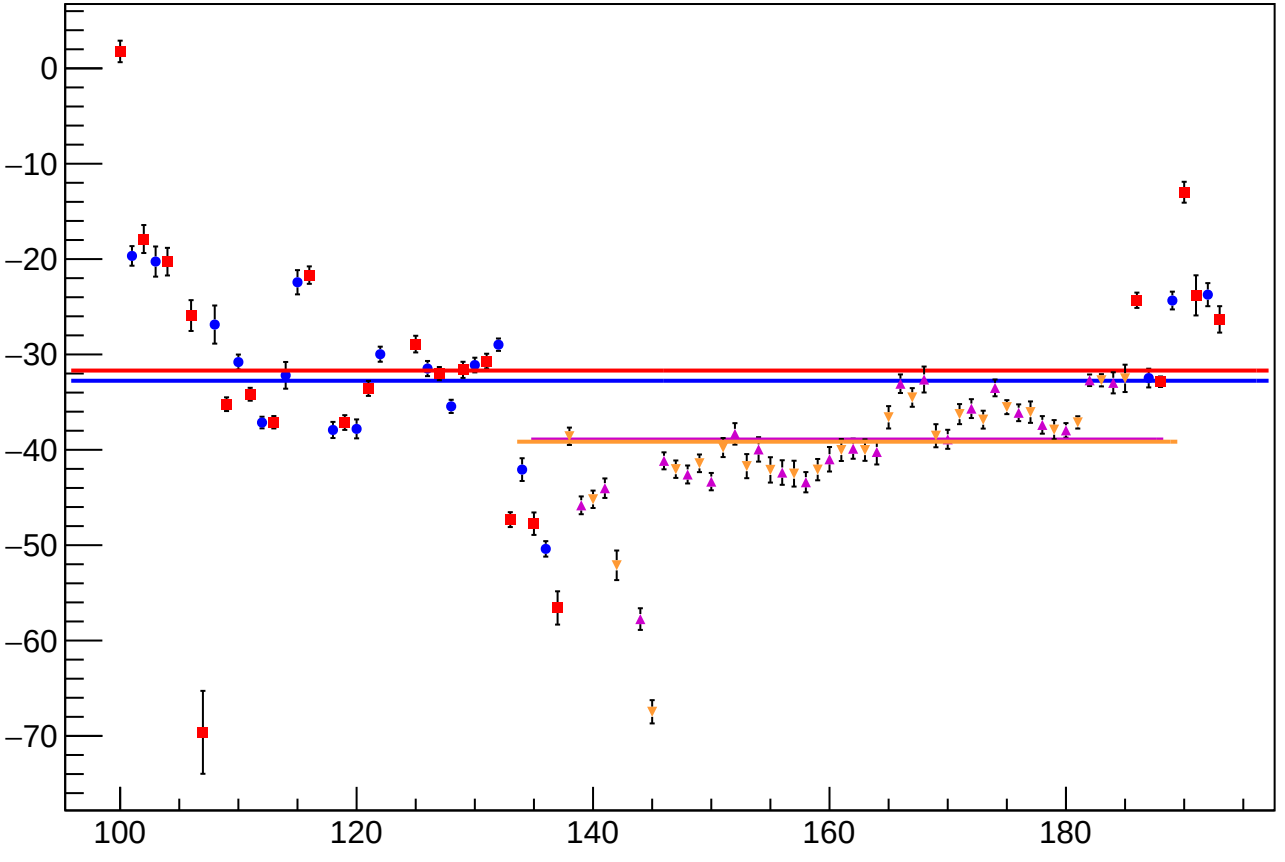
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.069+/-0.007 χ^2/NDF: 181261.8/42

All: -20.100+/-0.005 χ^2/NDF: 378712.1/88

- sign -20.131+/-0.007 χ^2/NDF: 197410.3/45

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: -31.689+/-0.186 χ^2/NDF: 2613.7/22

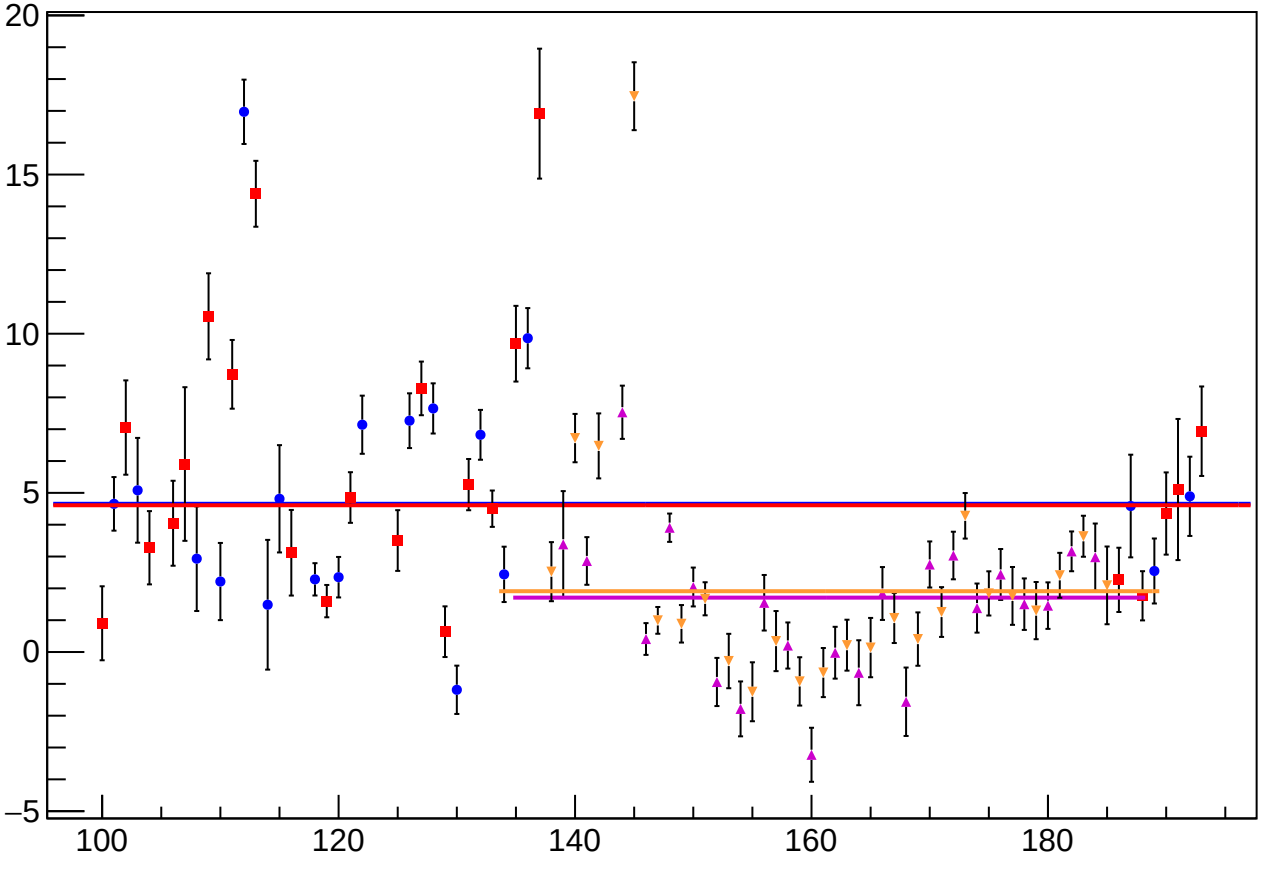
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -35.991+/-0.144 χ^2/NDF: 2549.3/42

All: -35.464+/-0.099 χ^2/NDF: 6558.7/88

- sign -34.984+/-0.138 χ^2/NDF: 3983.8/45

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: 4.611+/-0.201 χ^2/NDF: 296.5/22

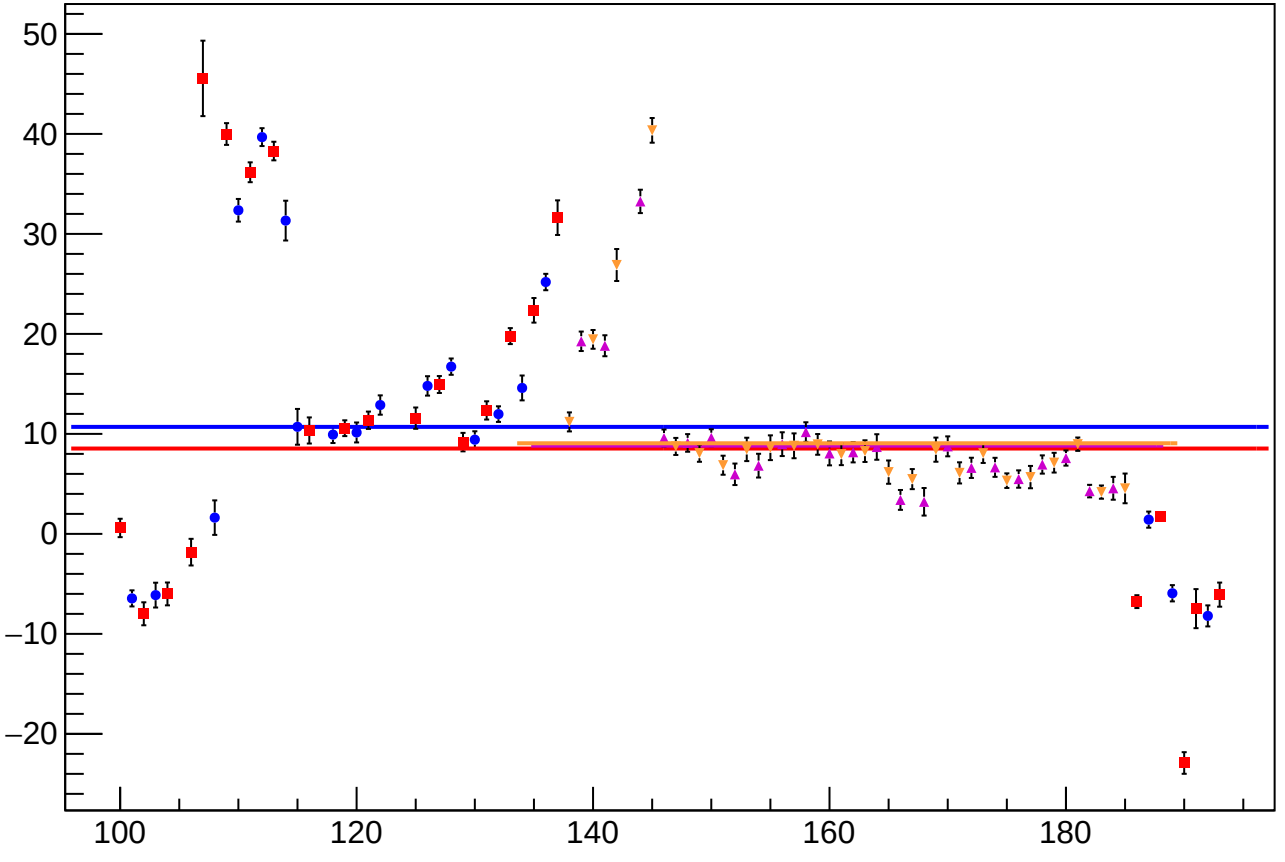
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.859+/-0.123 χ^2/NDF: 801.6/42

All: 2.824+/-0.087 χ^2/NDF: 1411.3/88

- sign 2.788+/-0.123 χ^2/NDF: 609.5/45

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: 8.535+/-0.195 χ^2/NDF: 5695.0/22

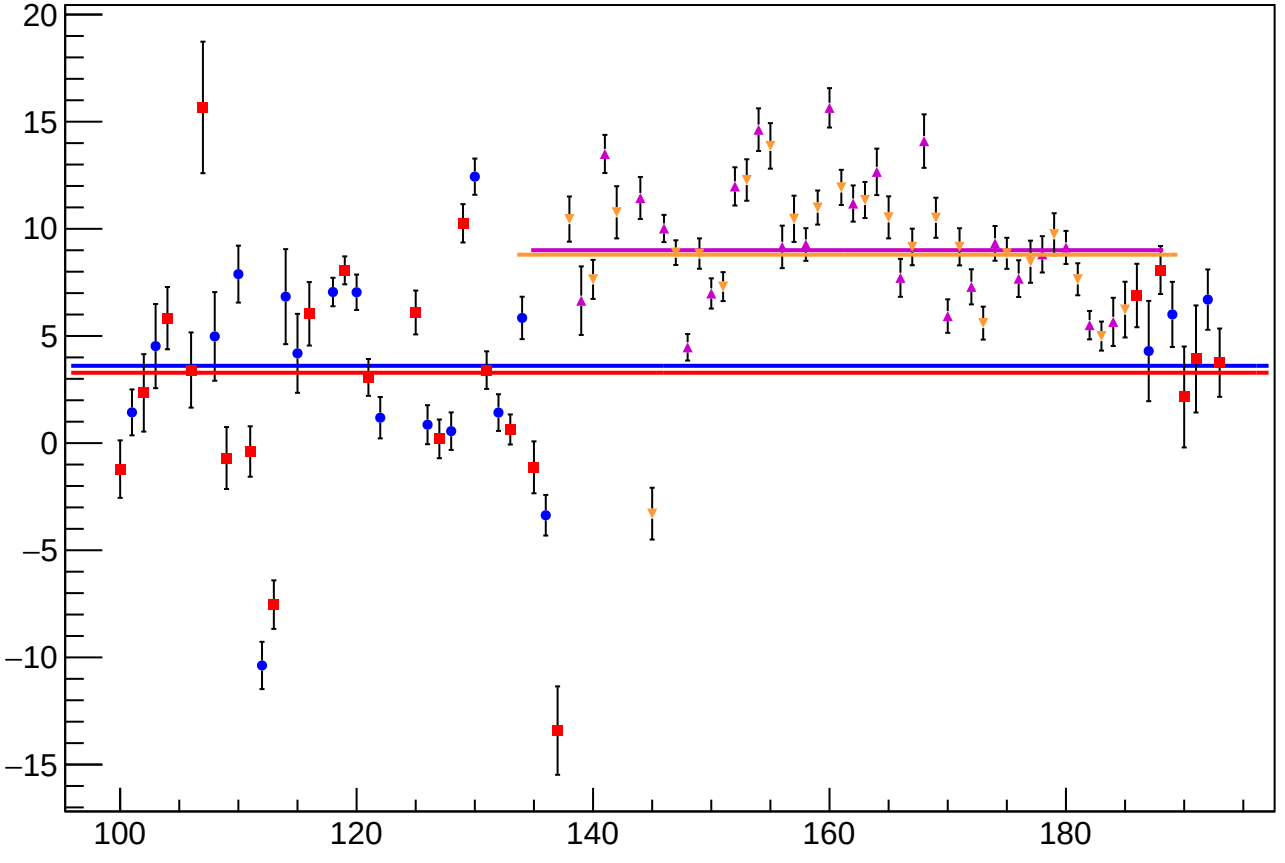
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 9.800+/-0.149 χ^2/NDF: 4532.8/42

All: 9.204+/-0.102 χ^2/NDF: 11060.5/88

- sign 8.675+/-0.140 χ^2/NDF: 6497.5/45

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

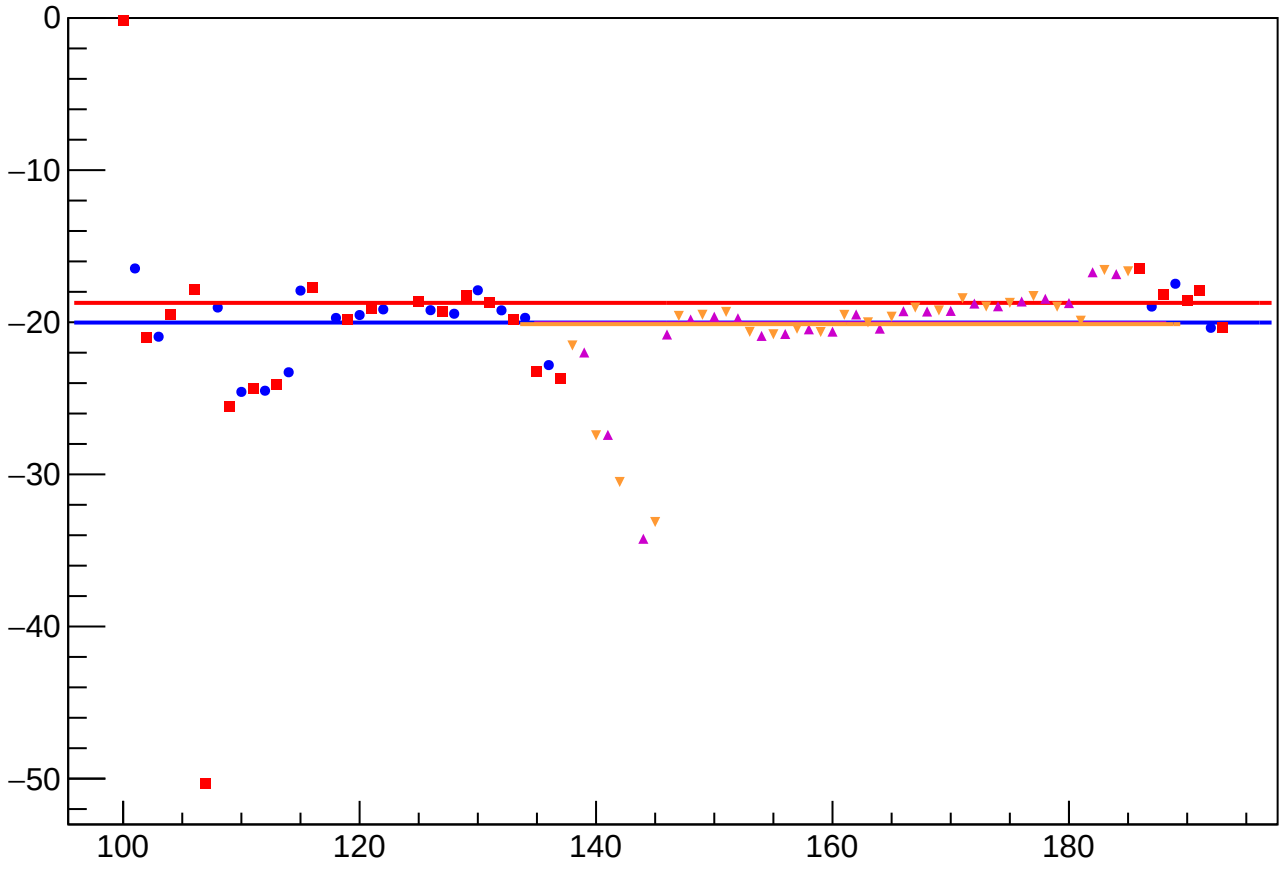
Right Out: 3.285+/-0.239 χ^2/NDF: 394.3/22

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.061+/-0.142 χ^2/NDF: 973.1/42

All: 7.024+/-0.100 χ^2/NDF: 2029.2/88

- sign 6.988+/-0.142 χ^2/NDF: 1056.0/45



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: -18.726+/-0.014 χ^2/NDF: 236525.9/22

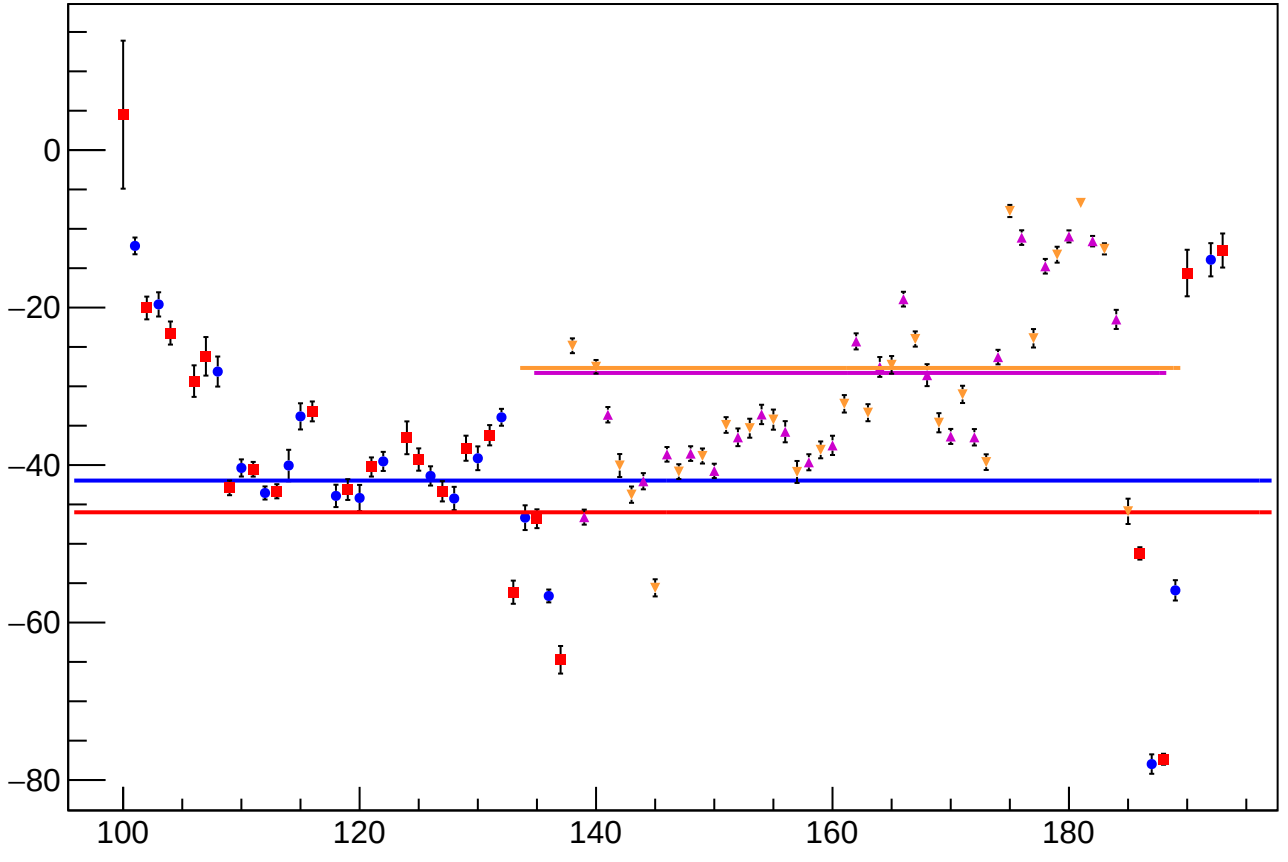
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.099+/-0.007 χ^2/NDF: 180575.7/42

All: -19.909+/-0.005 χ^2/NDF: 558499.7/88

- sign -19.725+/-0.007 χ^2/NDF: 376449.7/45

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: -45.998+/-0.262 χ^2/NDF: 3622.4/22

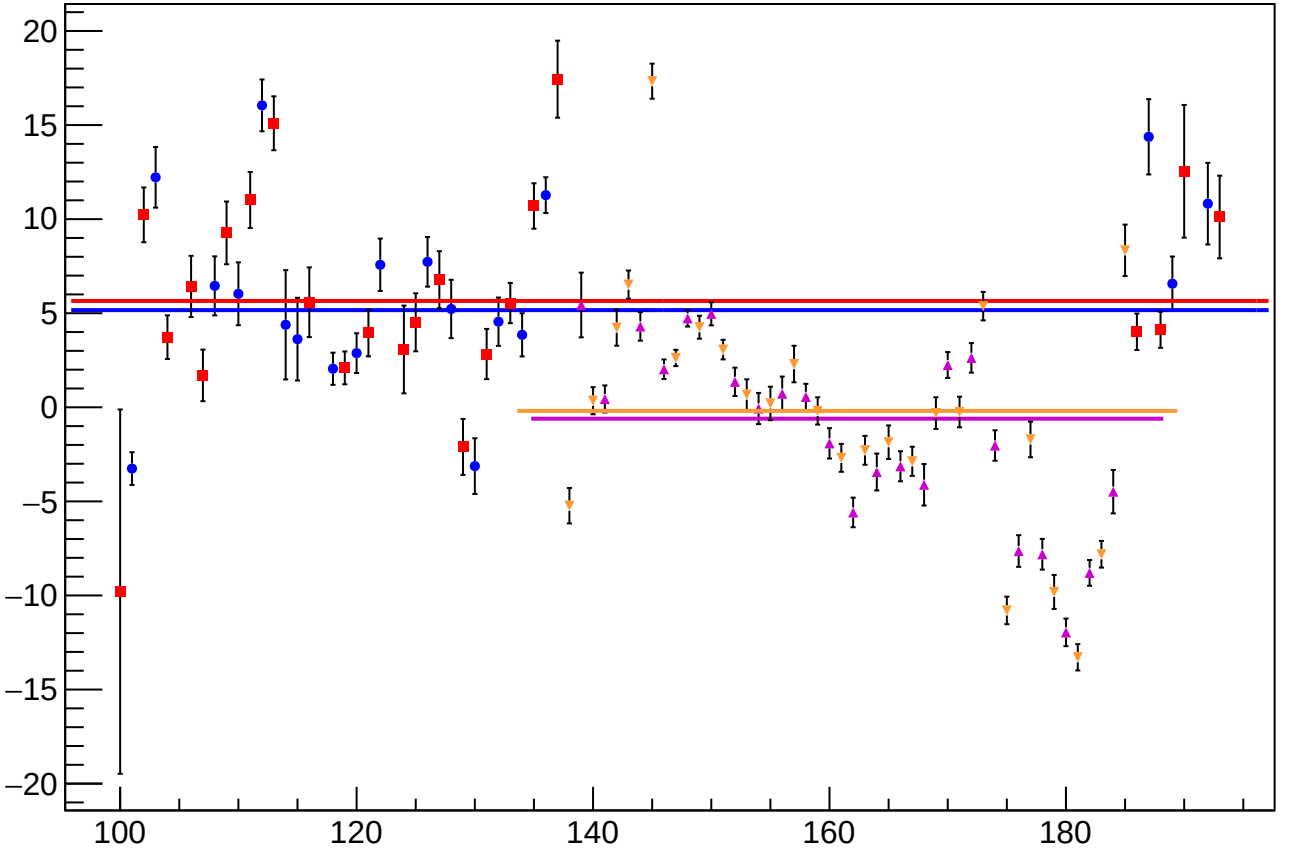
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

\+ sign -32.280+/-0.165 χ^2/NDF: 8662.5/43

All: -33.702+/-0.115 χ^2/NDF: 18531.2/89

\- sign -35.067+/-0.162 χ^2/NDF: 9723.2/45

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: 5.652+/-0.289 χ^2/NDF: 201.4/22

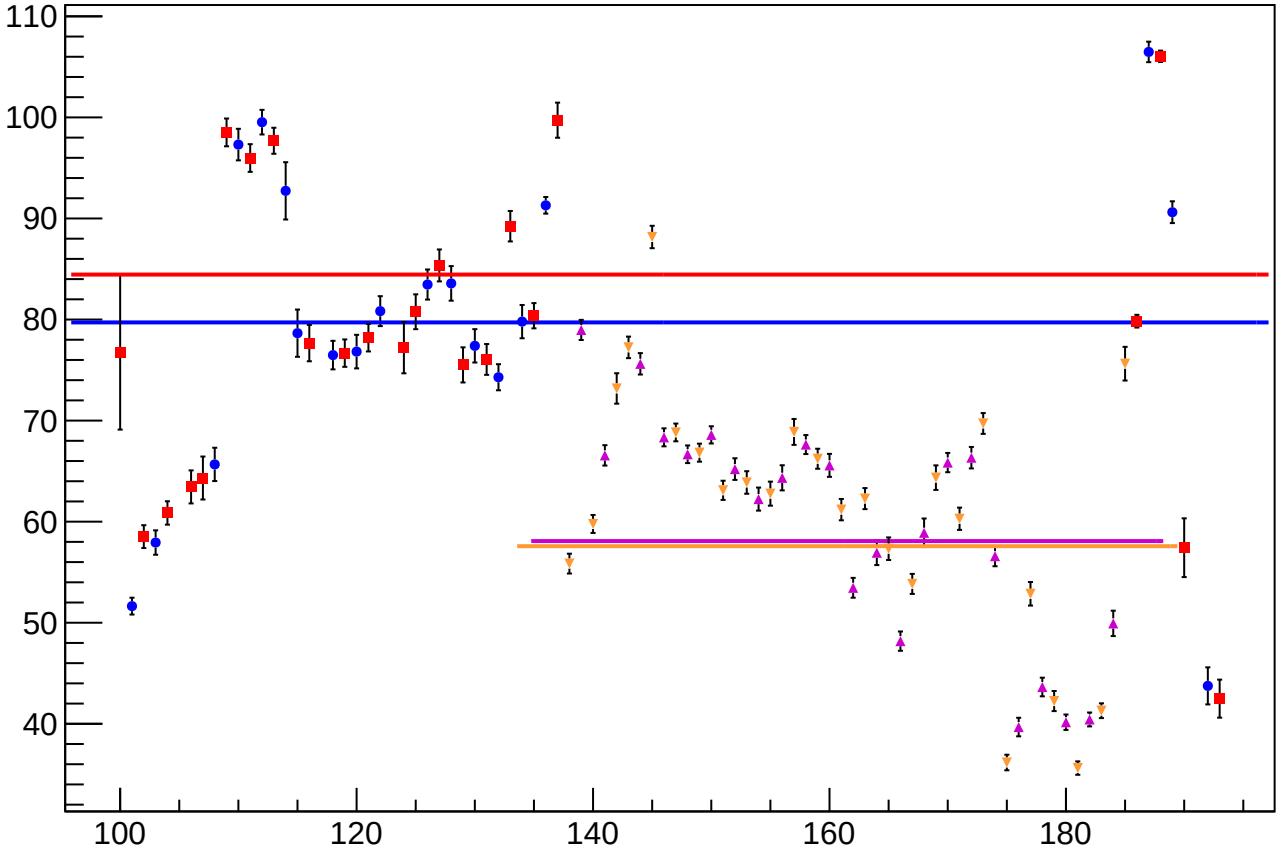
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 0.869+/-0.134 χ^2/NDF: 2101.9/43

All: 0.832+/-0.096 χ^2/NDF: 3641.9/89

- sign 0.795+/-0.137 χ^2/NDF: 1539.8/45

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: 84.448+/-0.263 χ^2/NDF: 3847.3/22

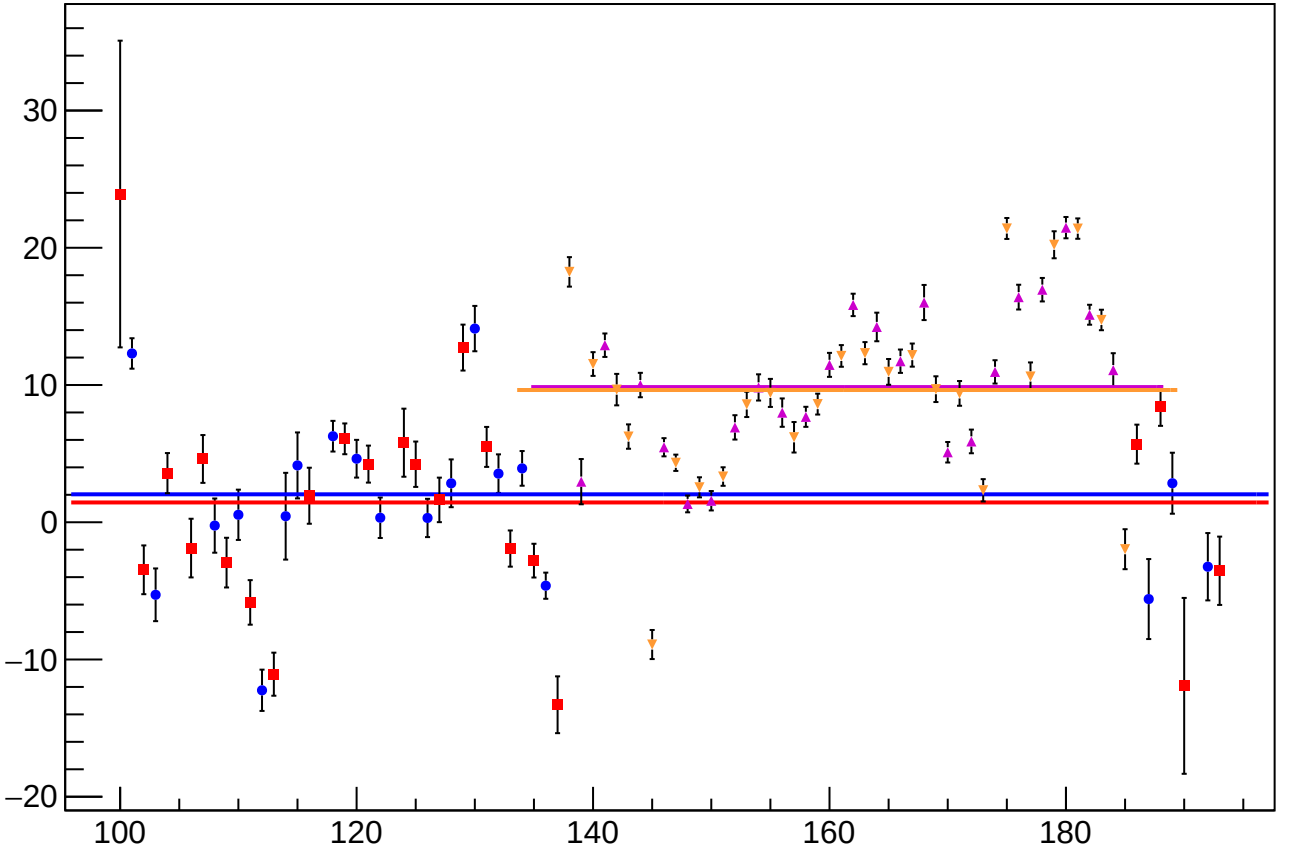
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 64.266+/-0.166 χ^2/NDF: 11797.4/43

All: 66.156+/-0.116 χ^2/NDF: 25728.5/89

- sign 67.930+/-0.161 χ^2/NDF: 13680.4/45

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: 1.442+/-0.345 χ^2/NDF: 299.8/22

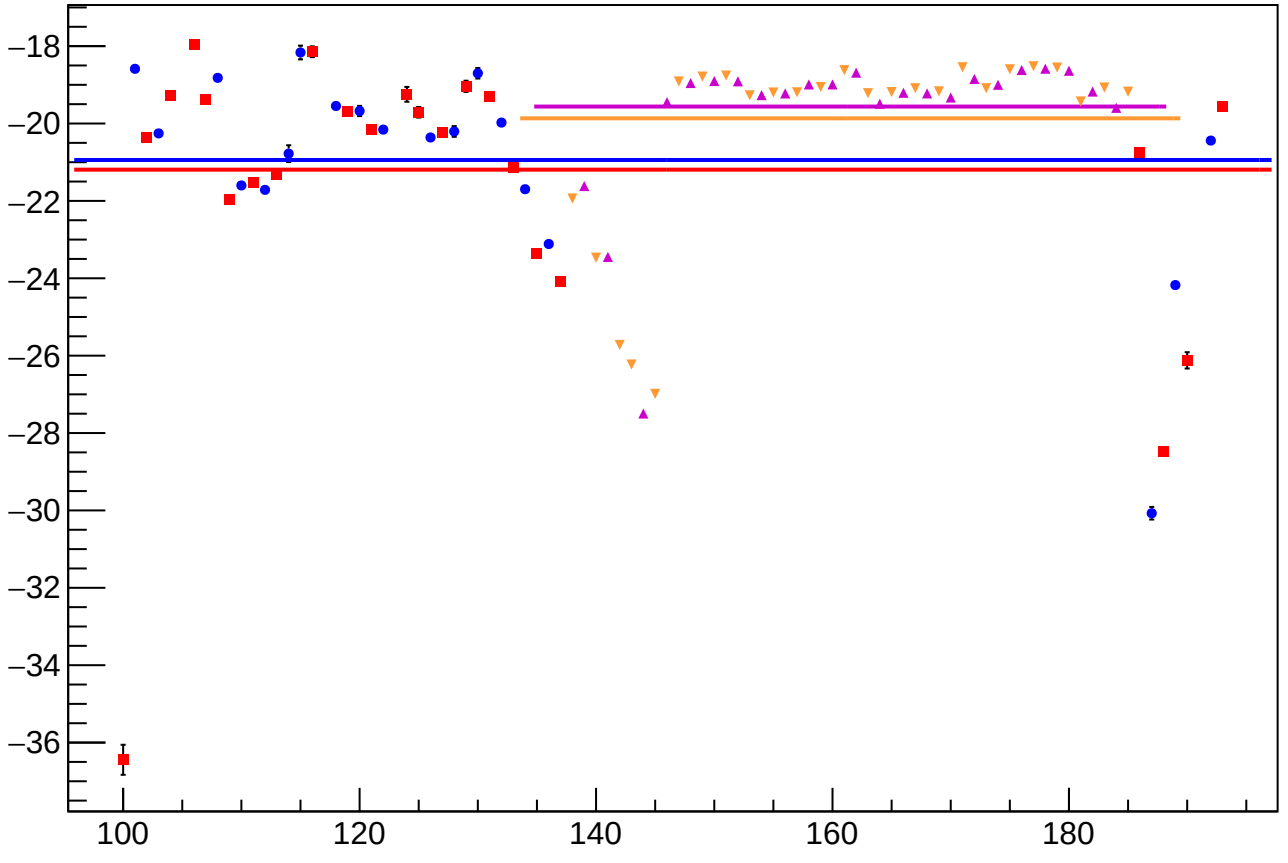
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 8.179+/-0.154 χ^2/NDF: 2200.0/43

All: 8.146+/-0.110 χ^2/NDF: 3963.0/89

- sign 8.111+/-0.157 χ^2/NDF: 1762.9/45

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: -21.193+/-0.019 χ^2/NDF: 19750.8/22

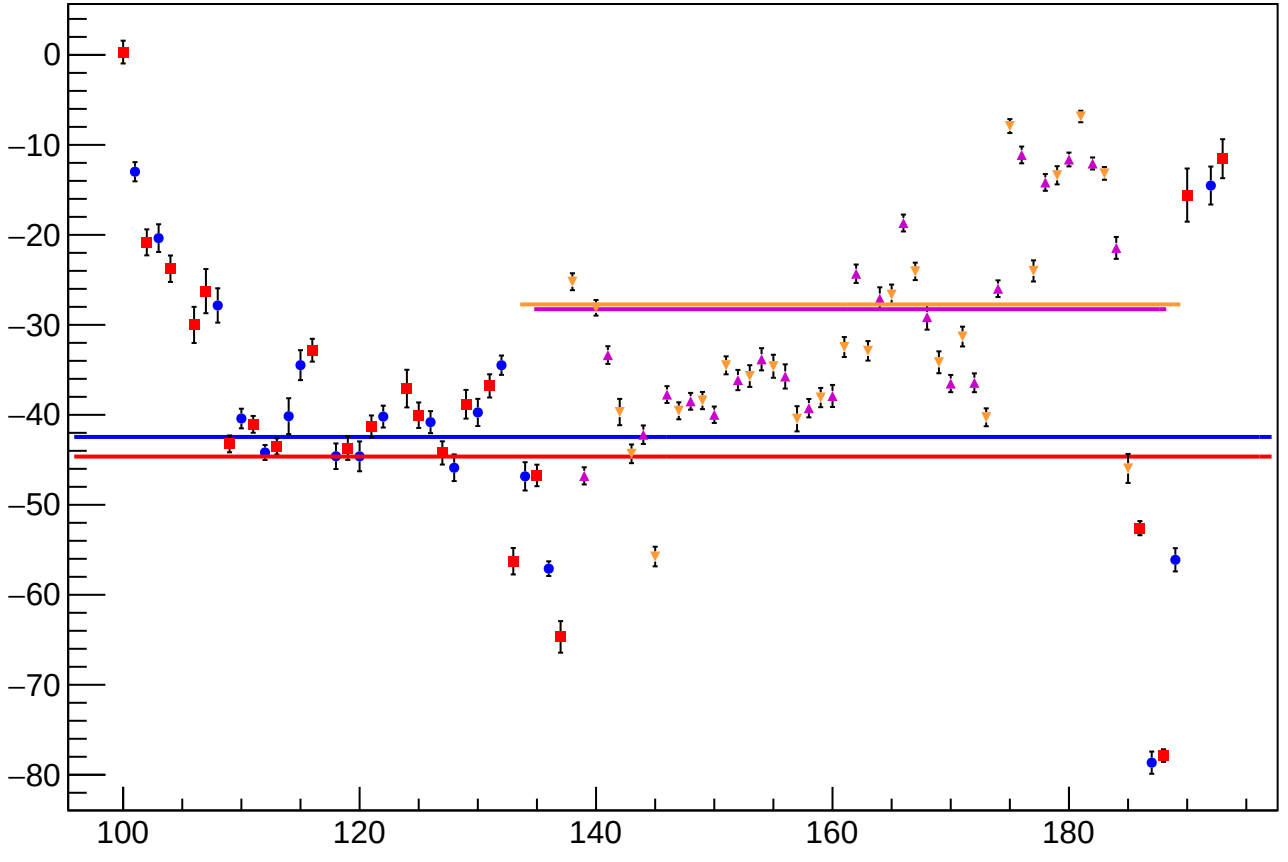
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.032+/-0.007 χ^2/NDF: 93669.6/43

All: -19.925+/-0.005 χ^2/NDF: 165570.5/89

- sign -19.815+/-0.007 χ^2/NDF: 71456.1/45

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: -44.638+/-0.257 χ^2/NDF: 4930.4/22

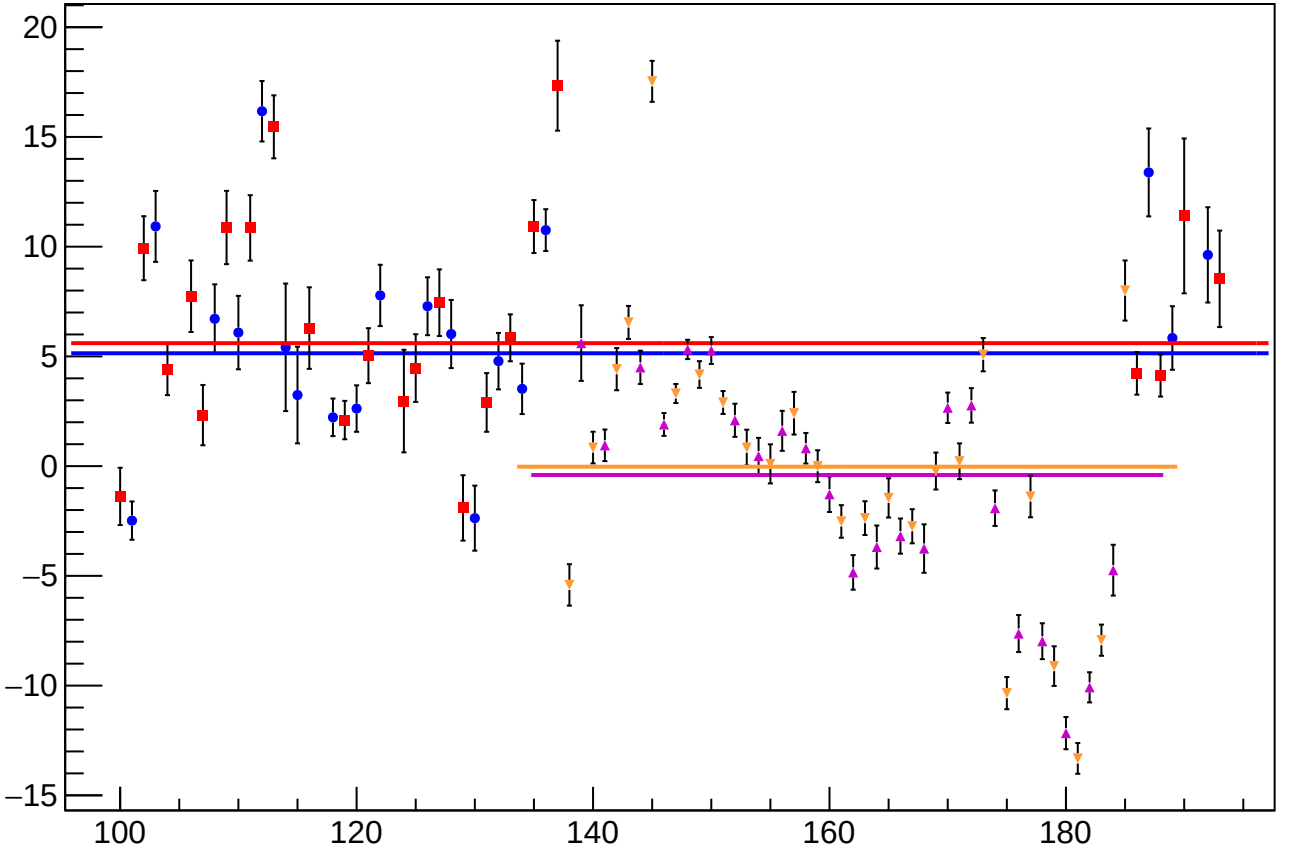
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.478+/-0.165 χ^2/NDF: 8641.4/43

All: -33.612+/-0.115 χ^2/NDF: 19311.3/89

- sign -34.684+/-0.161 χ^2/NDF: 10578.4/45

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: 5.603+/-0.283 χ^2/NDF: 225.7/22

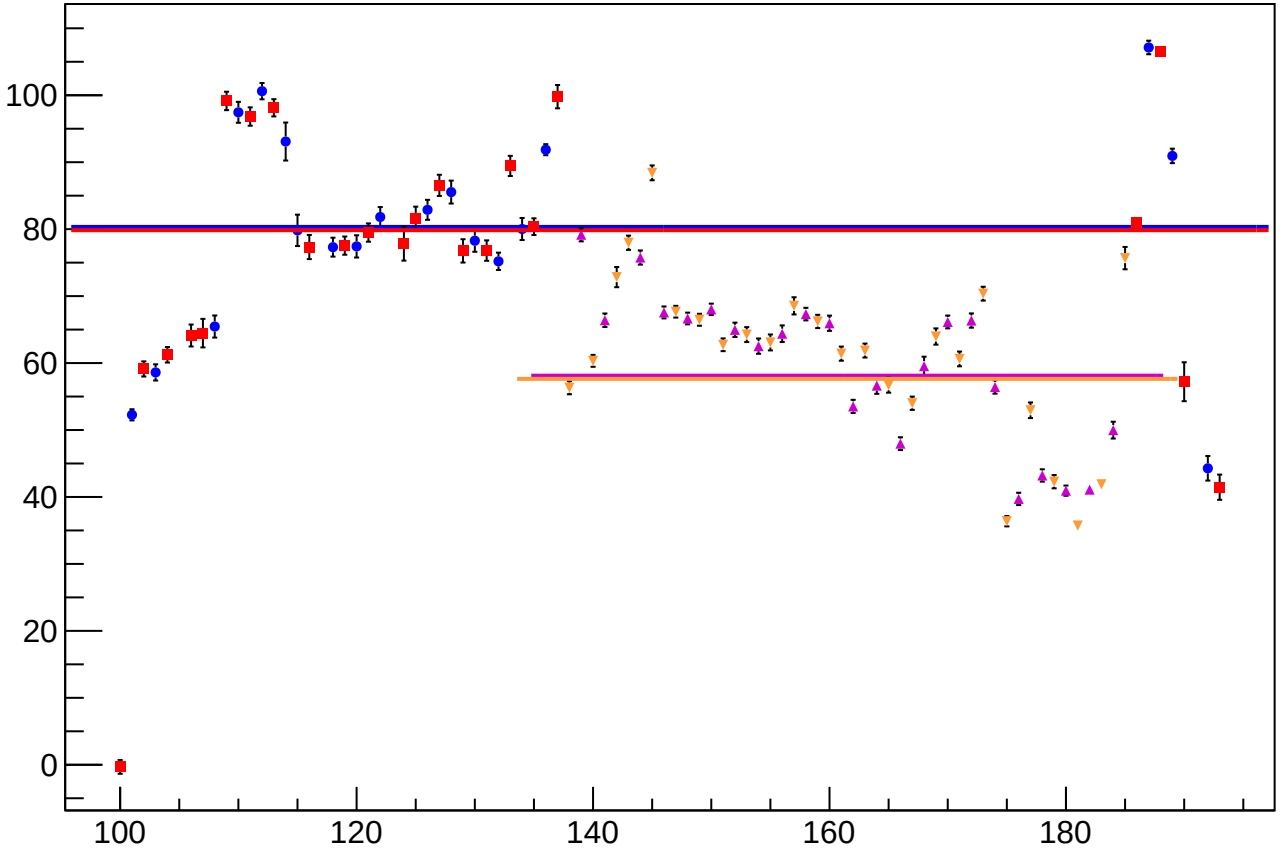
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 0.997+/-0.135 χ^2/NDF: 2028.9/43

All: 0.994+/-0.096 χ^2/NDF: 3685.4/89

- sign 0.991+/-0.136 χ^2/NDF: 1656.5/45

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: 79.848+/-0.256 χ^2/NDF: 10262.6/22

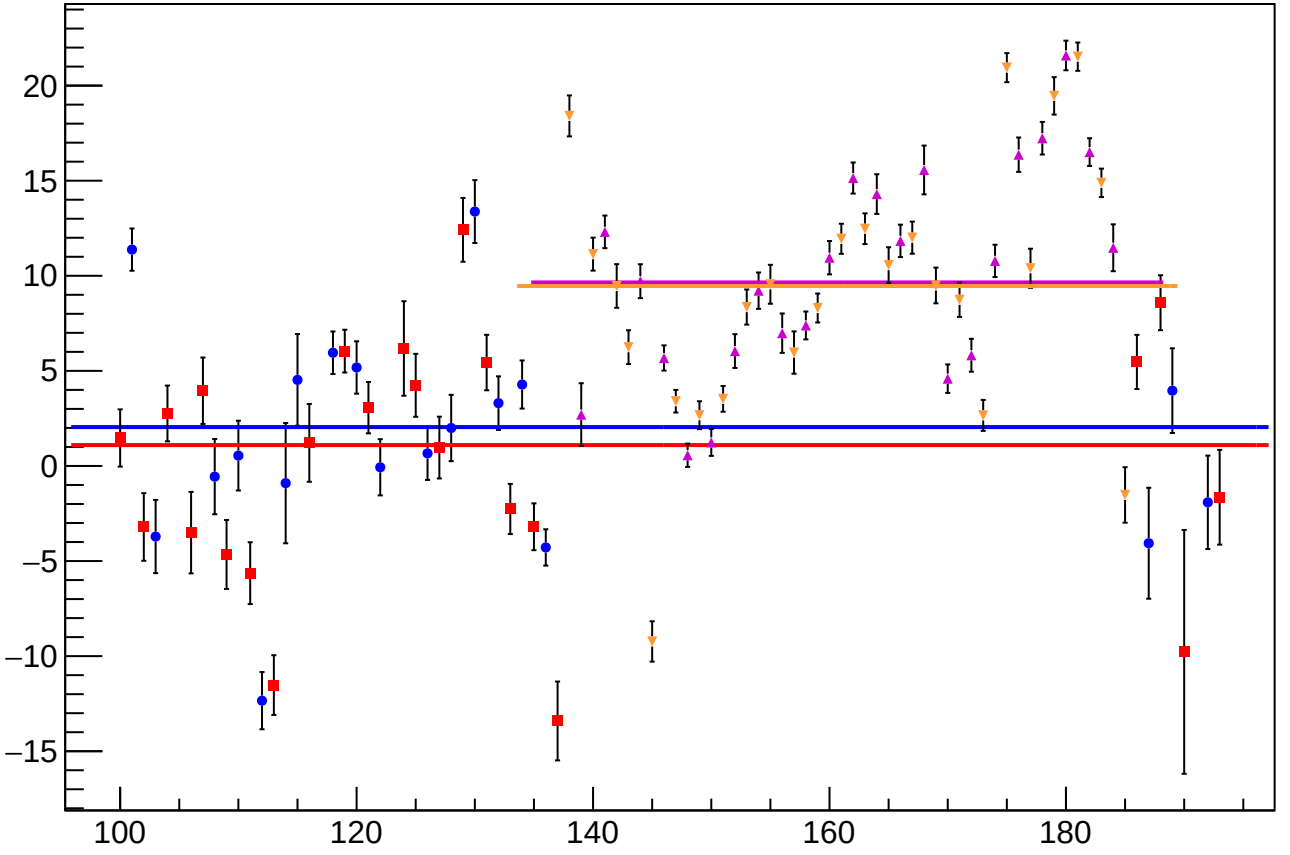
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.498+/-0.166 χ^2/NDF: 11899.2/43

All: 65.573+/-0.115 χ^2/NDF: 30099.9/89

- sign 66.558+/-0.159 χ^2/NDF: 18120.8/45

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: 1.098+/-0.337 χ^2/NDF: 297.9/22

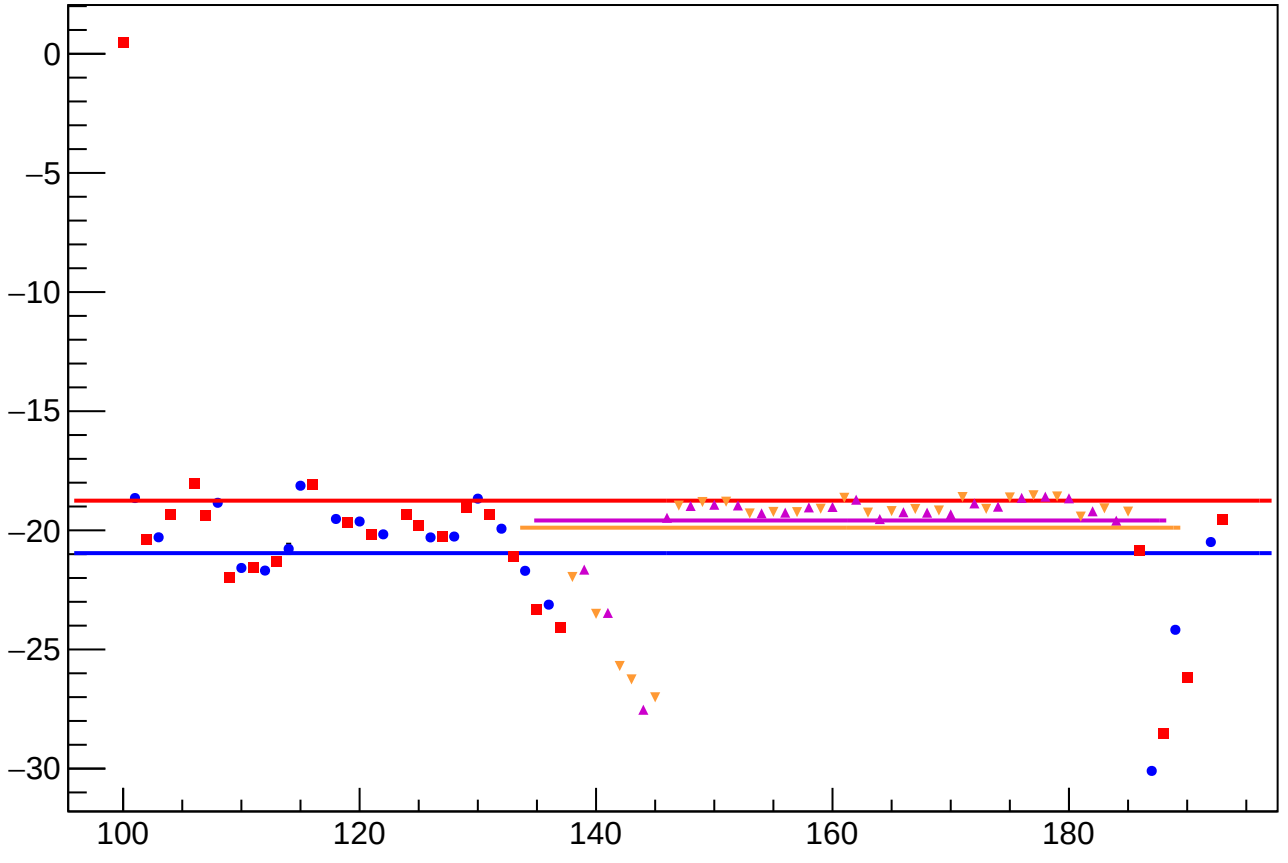
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 8.039+/-0.154 χ^2/NDF: 2139.2/43

All: 7.926+/-0.110 χ^2/NDF: 4021.3/89

- sign 7.809+/-0.156 χ^2/NDF: 1881.1/45

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: -18.755+/-0.018 χ^2/NDF: 169930.2/22

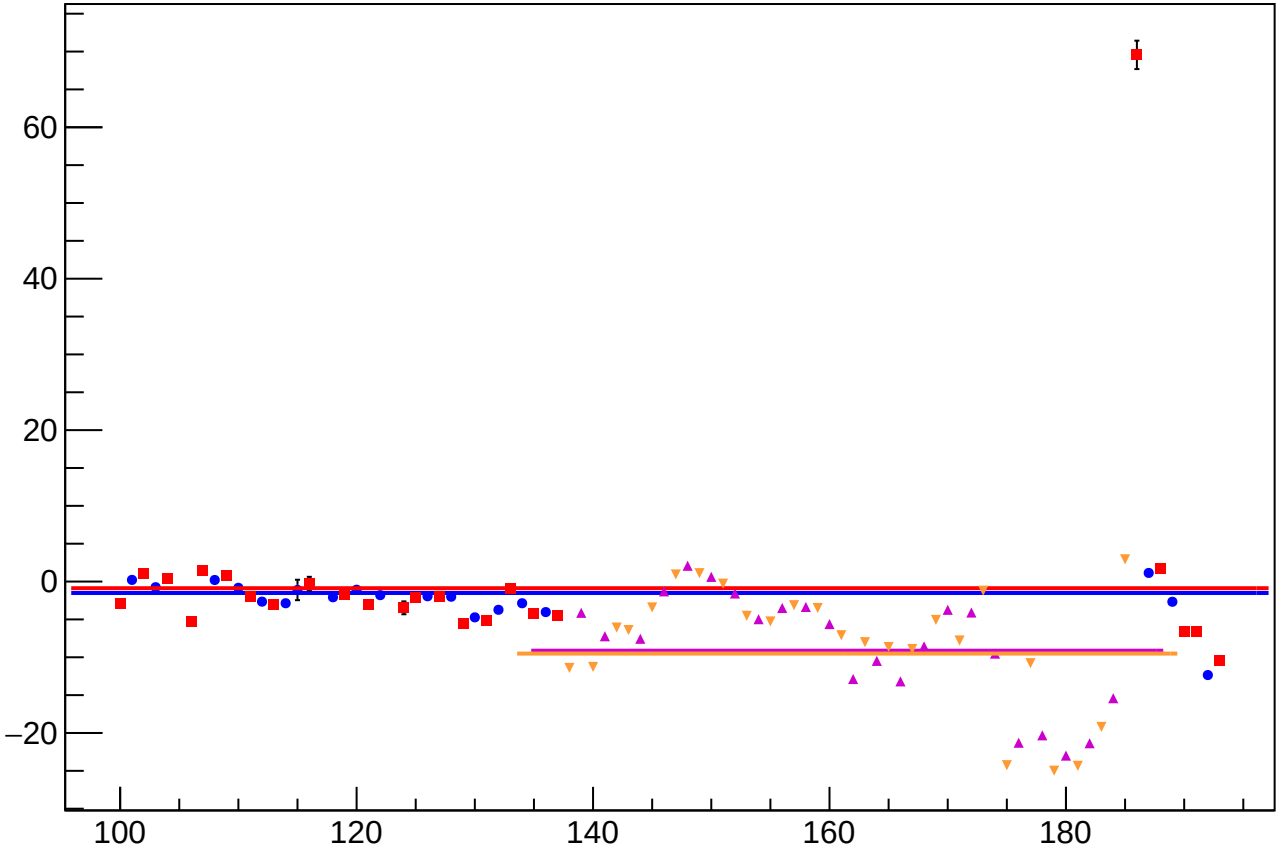
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.053+/-0.007 χ^2/NDF: 93099.2/43

All: -19.749+/-0.005 χ^2/NDF: 313519.4/89

- sign -19.444+/-0.007 χ^2/NDF: 216883.0/45

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: -0.879+/-0.048 χ^2/NDF: 3961.9/23

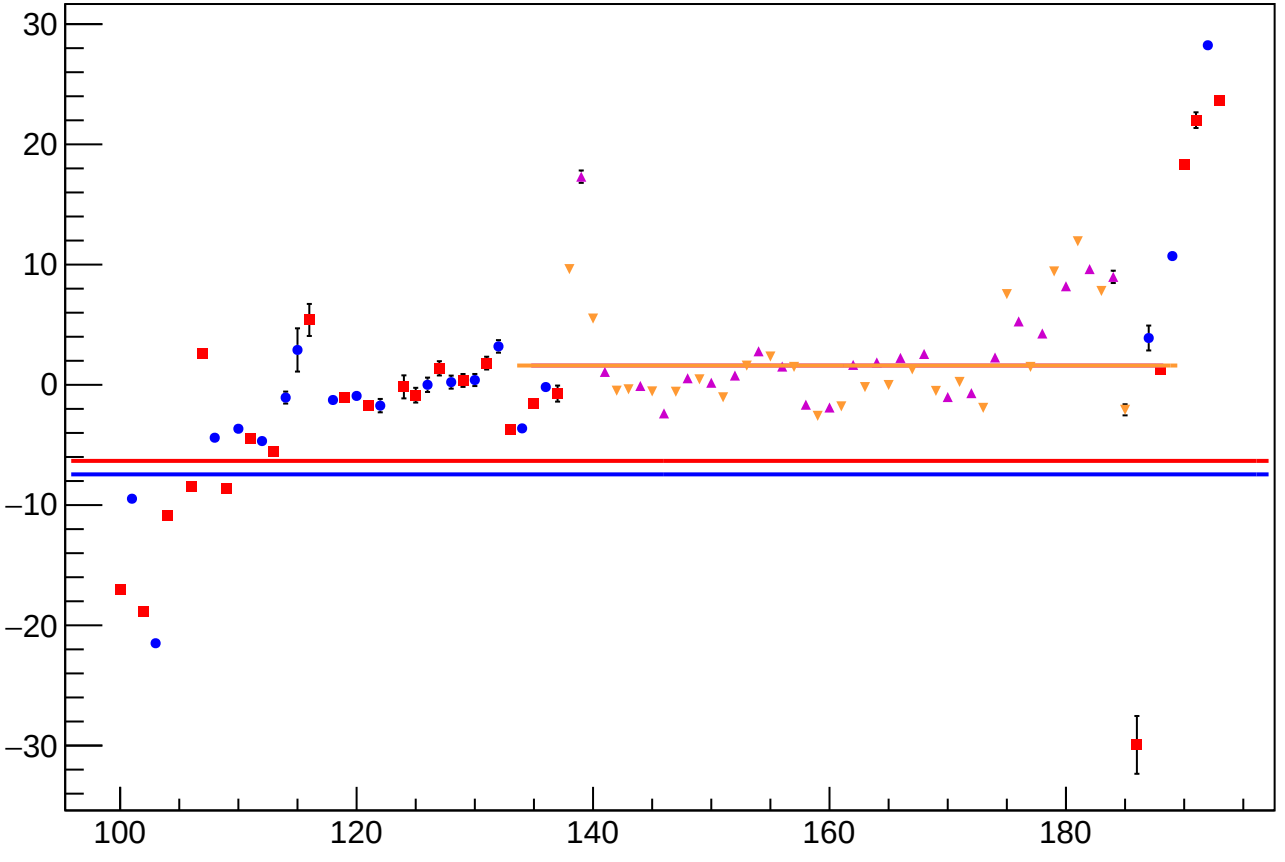
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.301+/-0.043 χ^2/NDF: 22335.7/43

All: -3.767+/-0.029 χ^2/NDF: 45598.0/90

- sign -3.293+/-0.040 χ^2/NDF: 22969.7/46

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: -6.325+/-0.055 χ^2/NDF: 27994.0/23

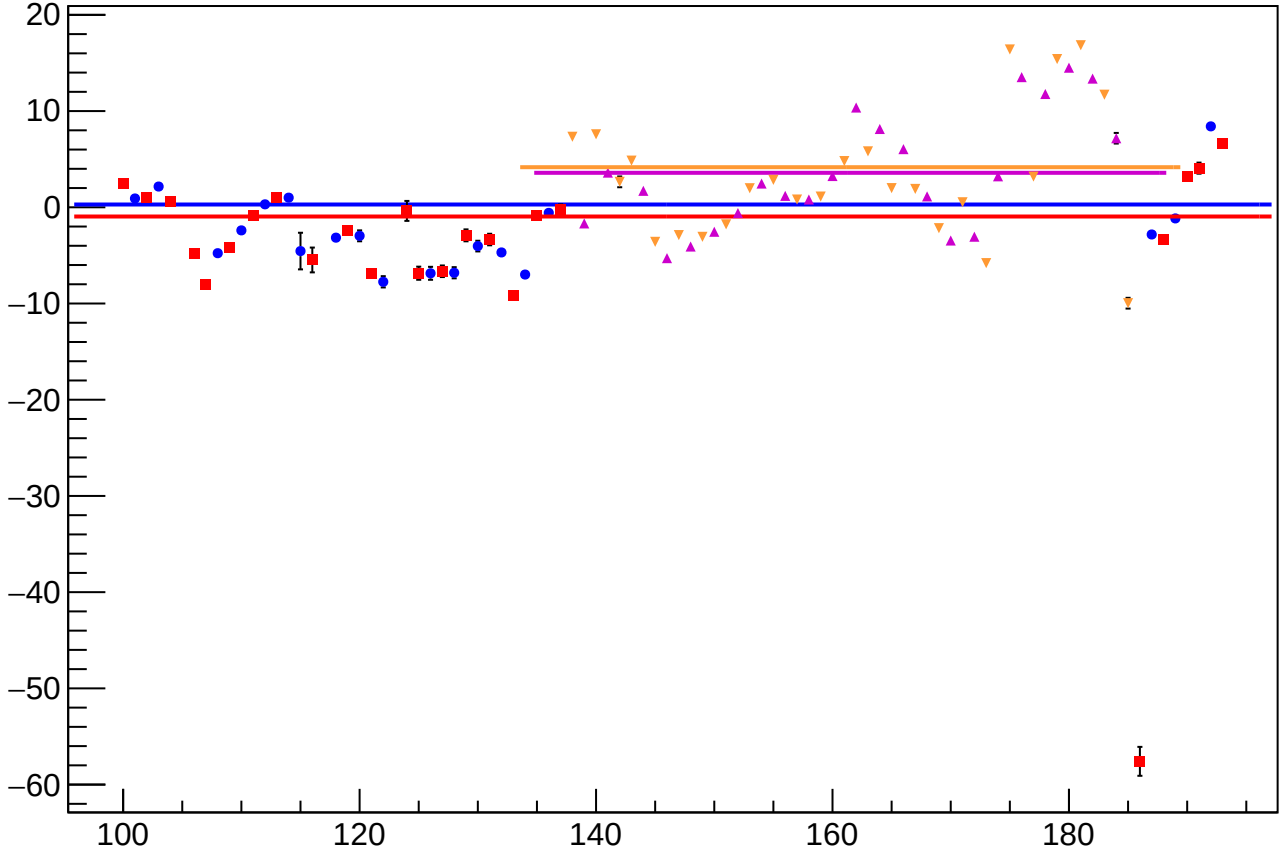
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

\+ sign -2.879+/-0.039 χ^2/NDF: 43222.9/43

All: -2.720+/-0.028 χ^2/NDF: 84825.5/90

\- sign -2.556+/-0.040 χ^2/NDF: 41569.0/46

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: -0.958+/-0.049 χ^2/NDF: 5391.1/23

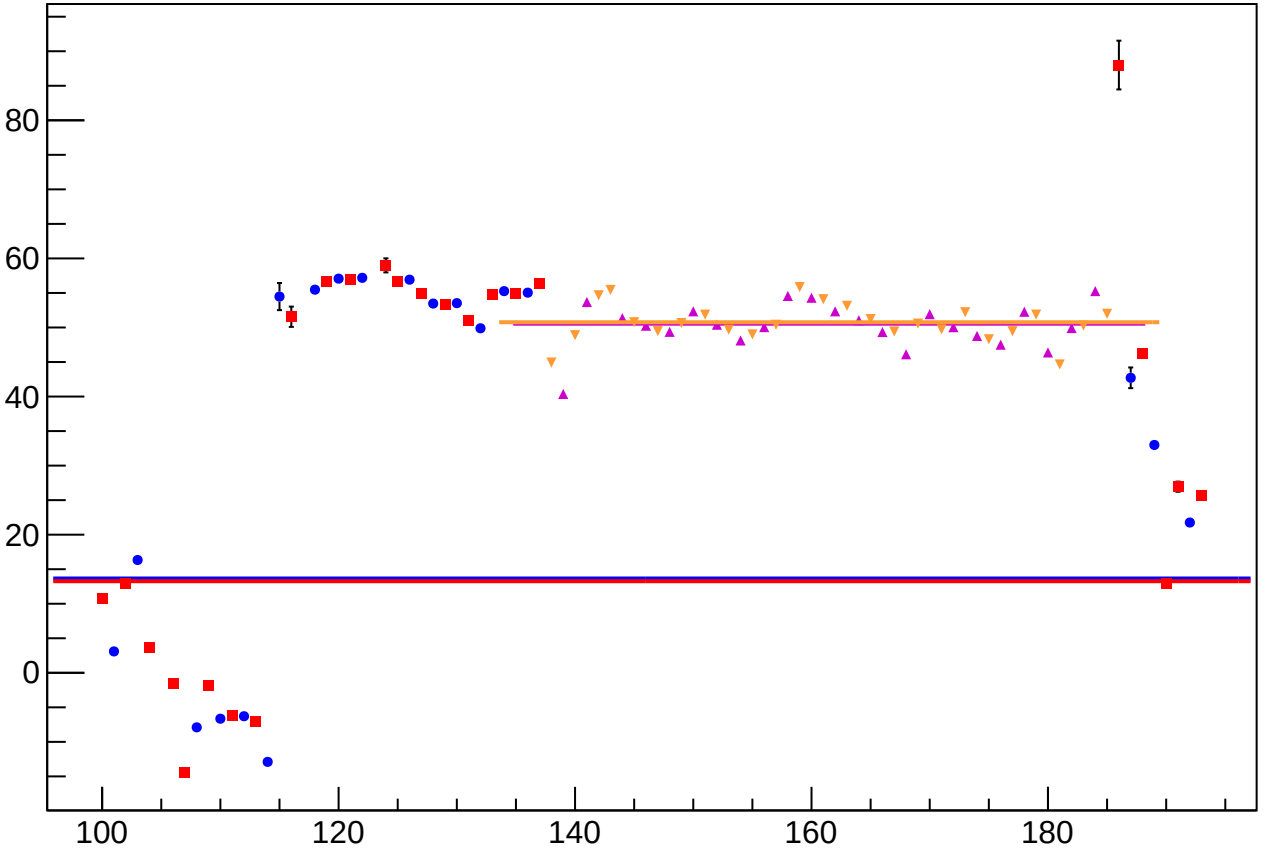
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.595+/-0.042 χ^2/NDF: 13818.3/43

All: 1.000+/-0.029 χ^2/NDF: 29452.8/90

- sign 0.431+/-0.041 χ^2/NDF: 15238.3/46

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: 13.261+/-0.066 χ^2/NDF: 127401.7/23

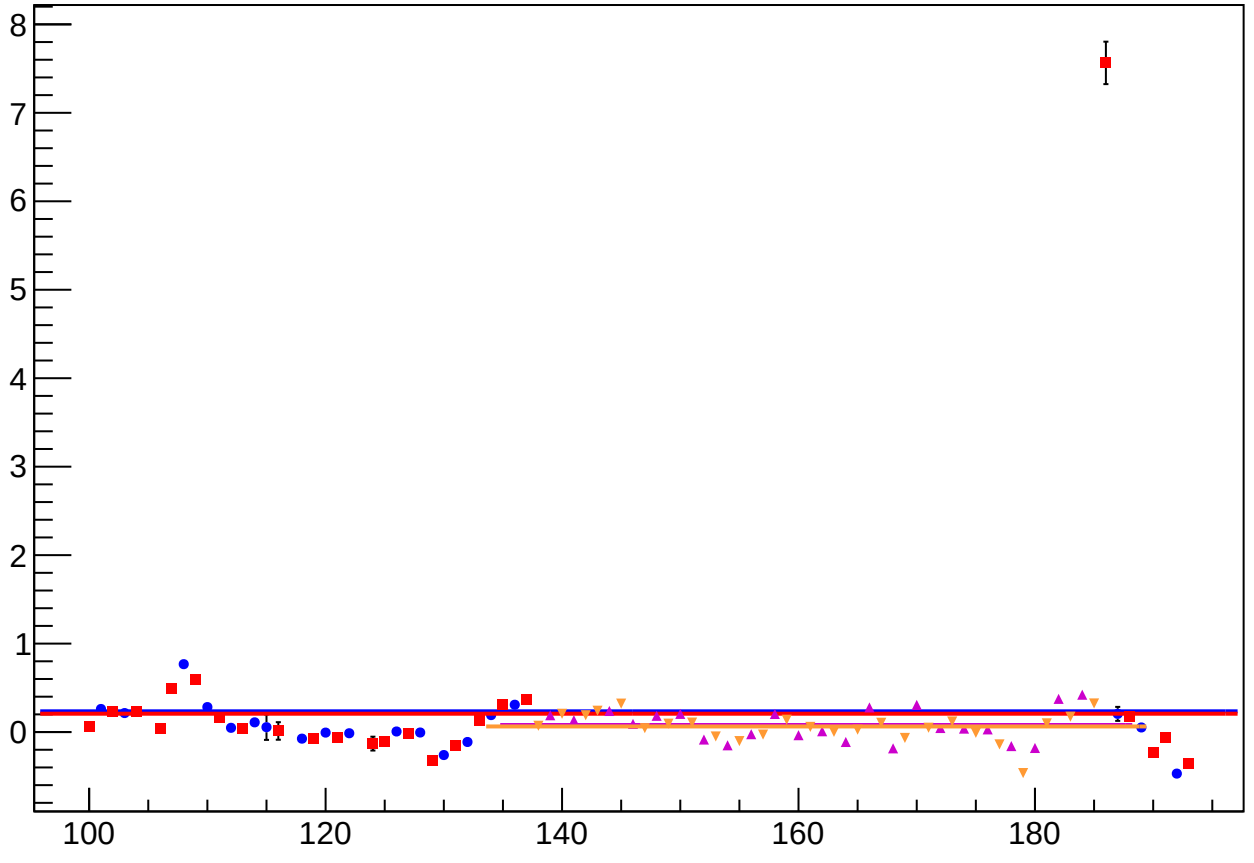
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 33.408+/-0.046 χ^2/NDF: 277354.4/43

All: 32.772+/-0.032 χ^2/NDF: 570669.9/90

- sign 32.122+/-0.046 χ^2/NDF: 292921.6/46

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: 0.208+/-0.003 χ^2/NDF: 5658.3/23

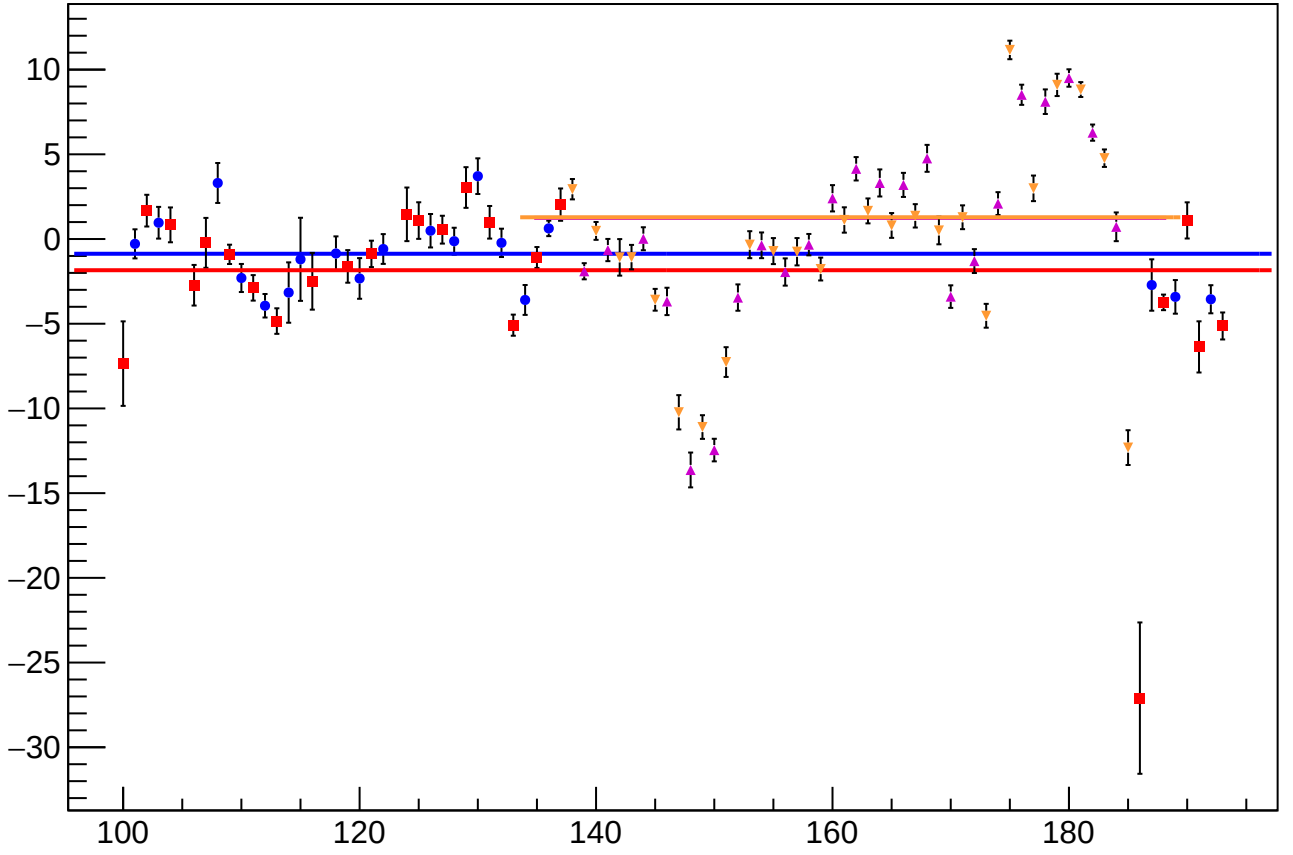
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.151+/-0.002 χ^2/NDF: 11114.4/43

All: 0.150+/-0.001 χ^2/NDF: 21320.5/90

- sign 0.148+/-0.002 χ^2/NDF: 10204.9/46

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: -1.842+/-0.178 χ^2/NDF: 222.8/23

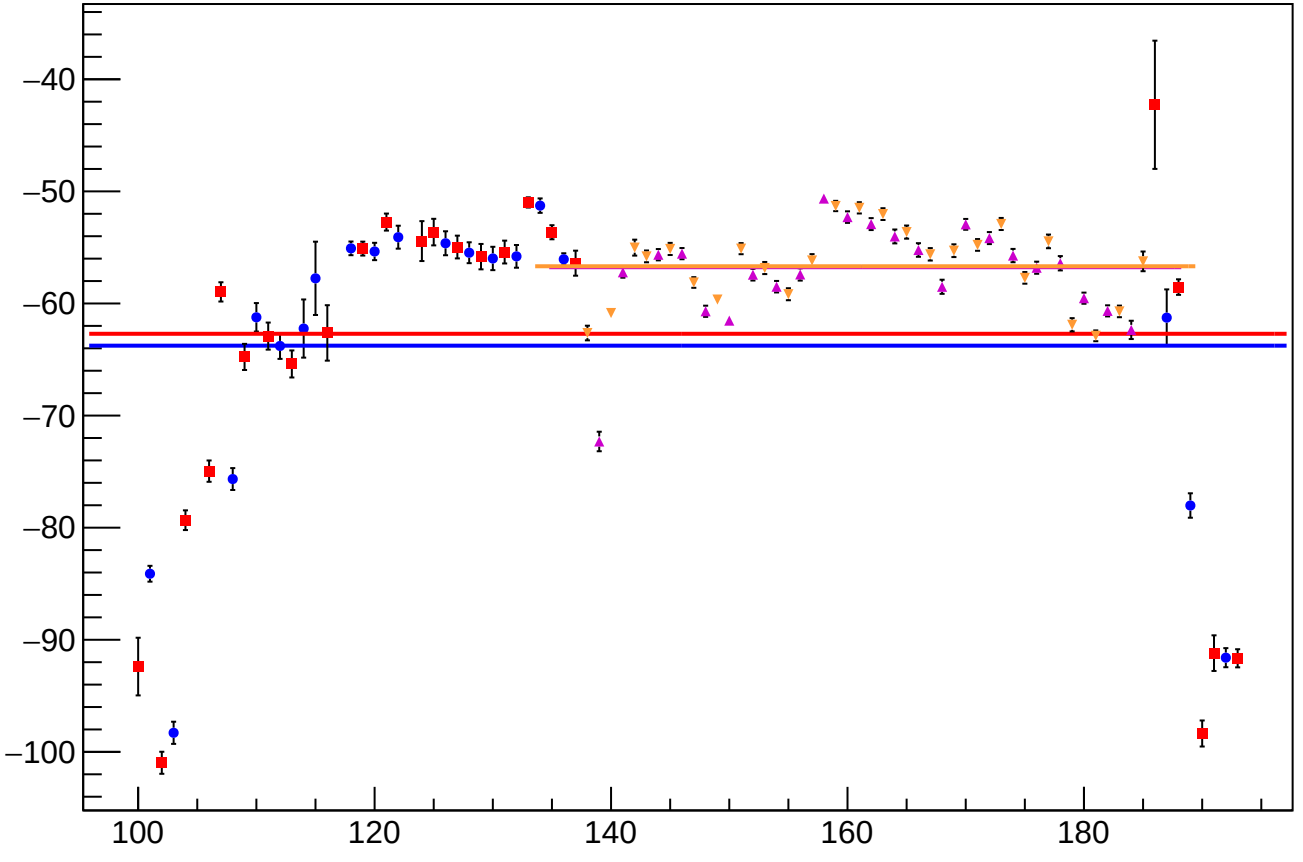
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.612+/-0.114 χ^2/NDF: 1896.3/43

All: 0.329+/-0.079 χ^2/NDF: 3829.1/90

- sign 0.062+/-0.110 χ^2/NDF: 1920.7/46

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: -62.704+/-0.188 χ^2/NDF: 6240.5/23

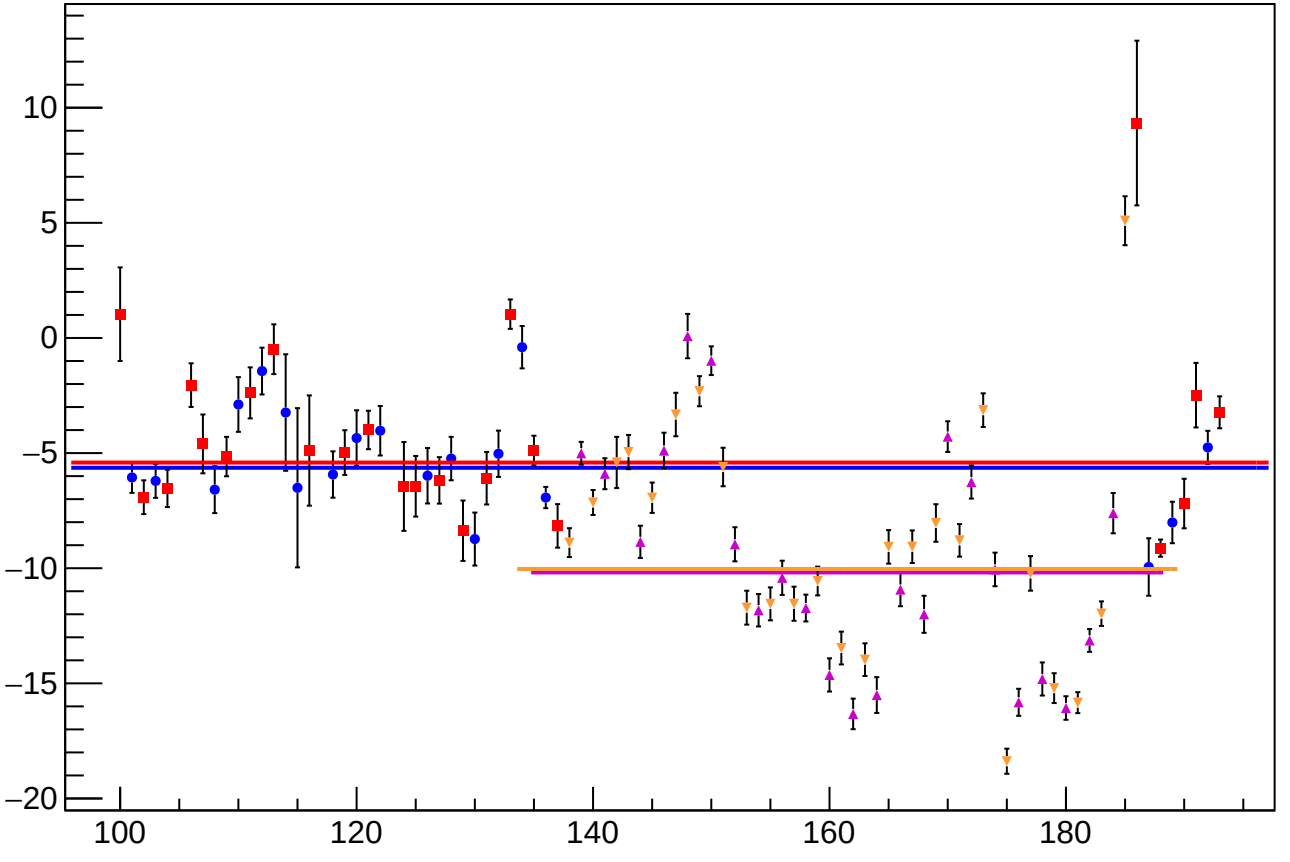
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -58.173+/-0.095 χ^2/NDF: 6645.2/43

All: -58.244+/-0.068 χ^2/NDF: 14730.4/90

- sign -58.316+/-0.096 χ^2/NDF: 8084.2/46

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: -5.411+/-0.180 χ^2/NDF: 311.5/23

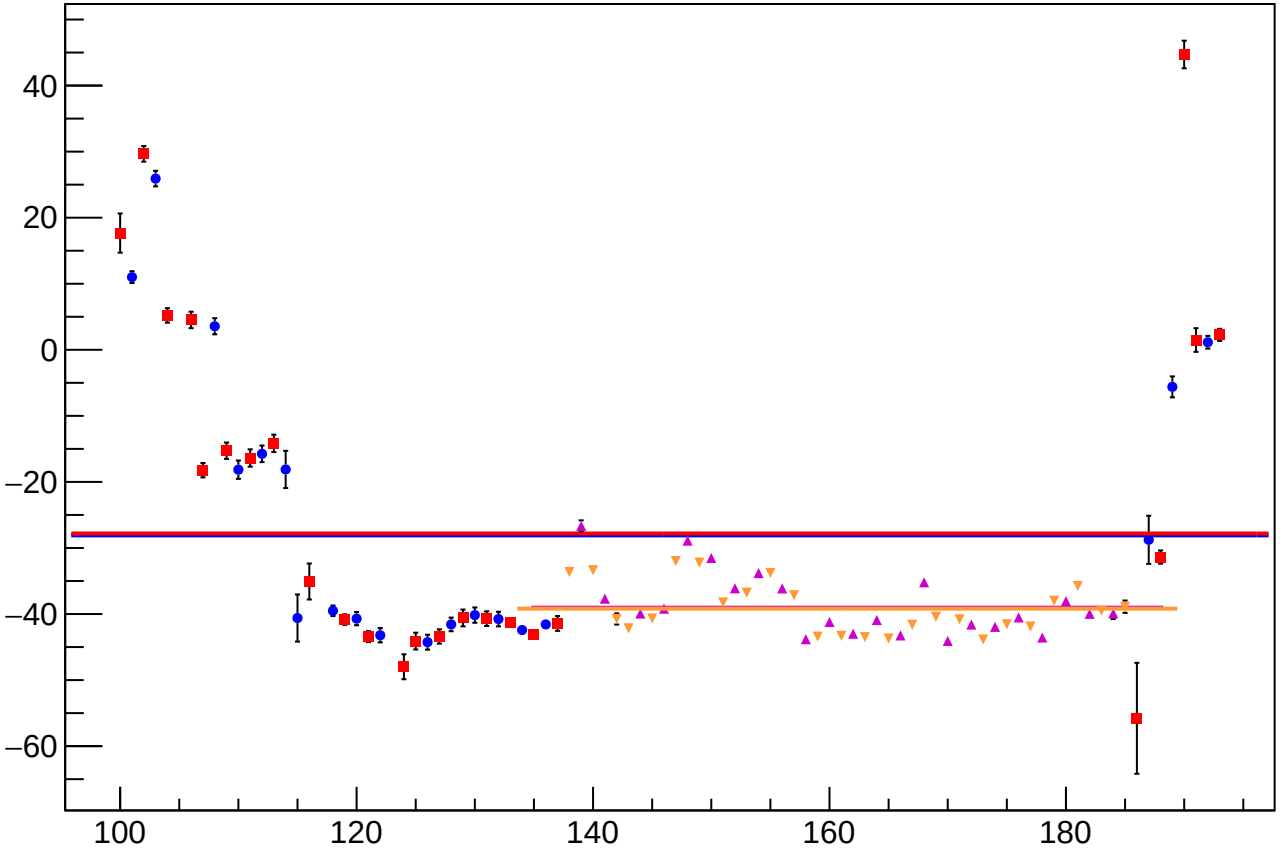
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.730+/-0.114 χ^2/NDF: 1588.5/43

All: -8.558+/-0.079 χ^2/NDF: 3487.5/90

- sign -8.398+/-0.110 χ^2/NDF: 1894.7/46

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: -27.805+/-0.221 χ^2/NDF: 9732.3/23

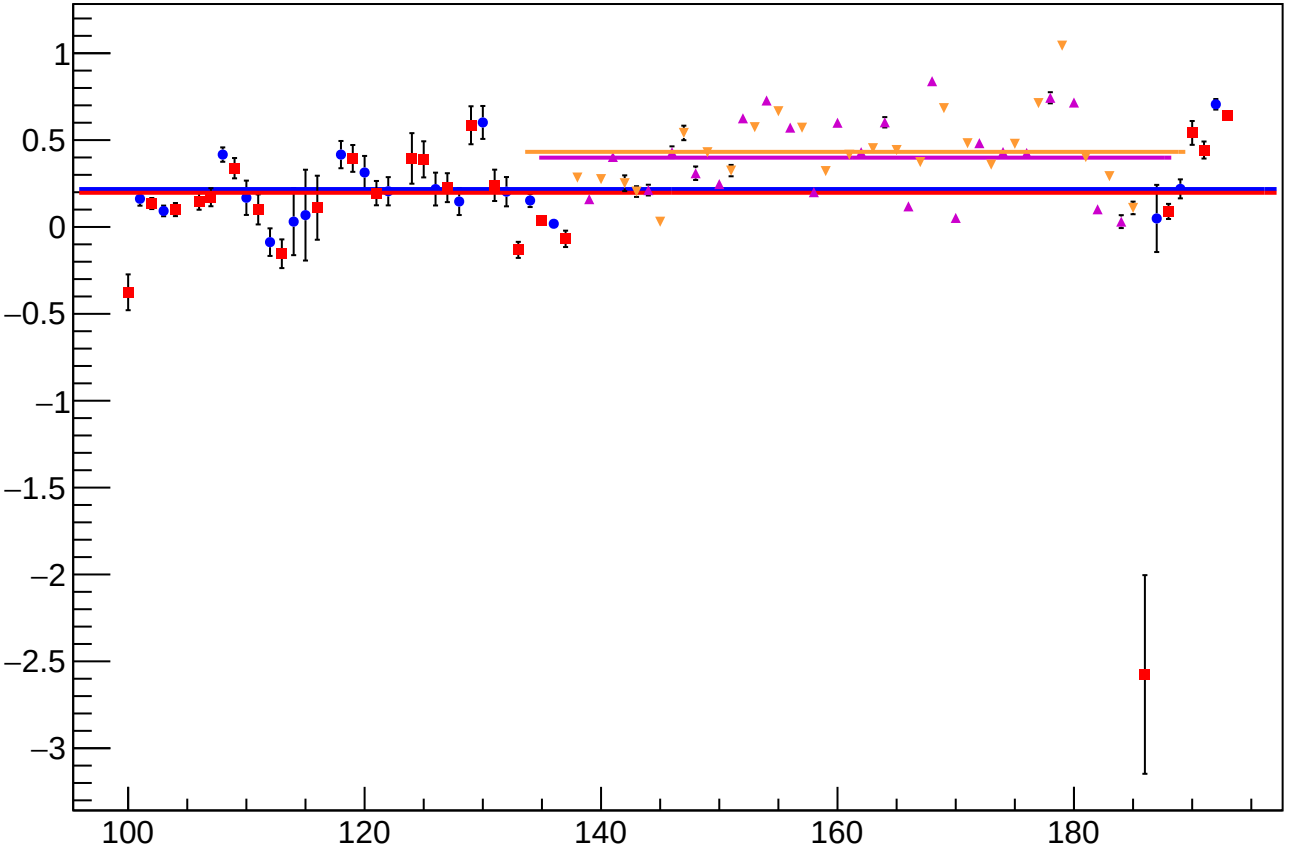
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -36.937+/-0.107 χ^2/NDF: 10925.5/43

All: -36.646+/-0.076 χ^2/NDF: 23861.5/90

- sign -36.349+/-0.108 χ^2/NDF: 12921.1/46

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: 0.197+/-0.011 χ^2/NDF: 537.5/23

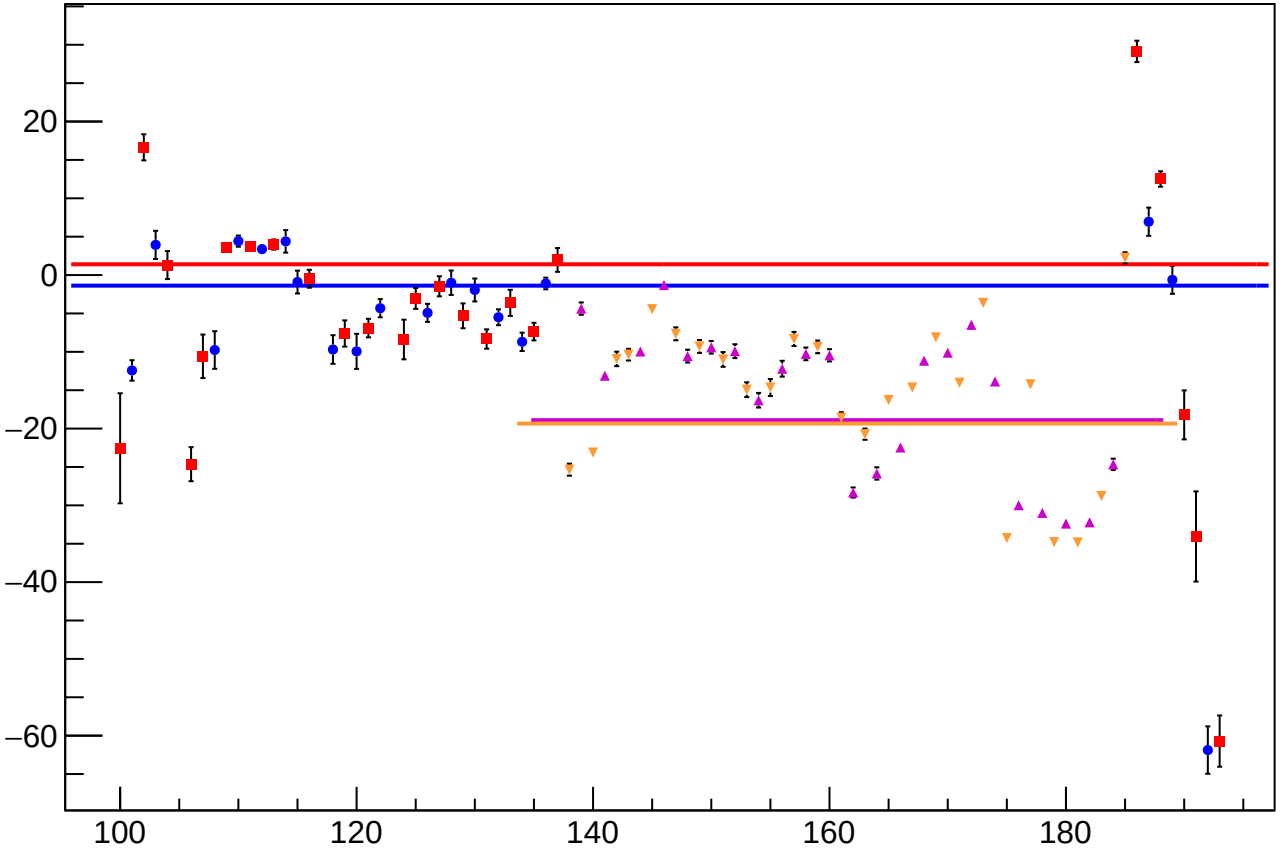
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.394+/-0.005 χ^2/NDF: 2092.5/43

All: 0.376+/-0.003 χ^2/NDF: 4873.5/90

- sign 0.358+/-0.005 χ^2/NDF: 2752.9/46

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: 1.405+/-0.251 χ^2/NDF: 1478.7/23

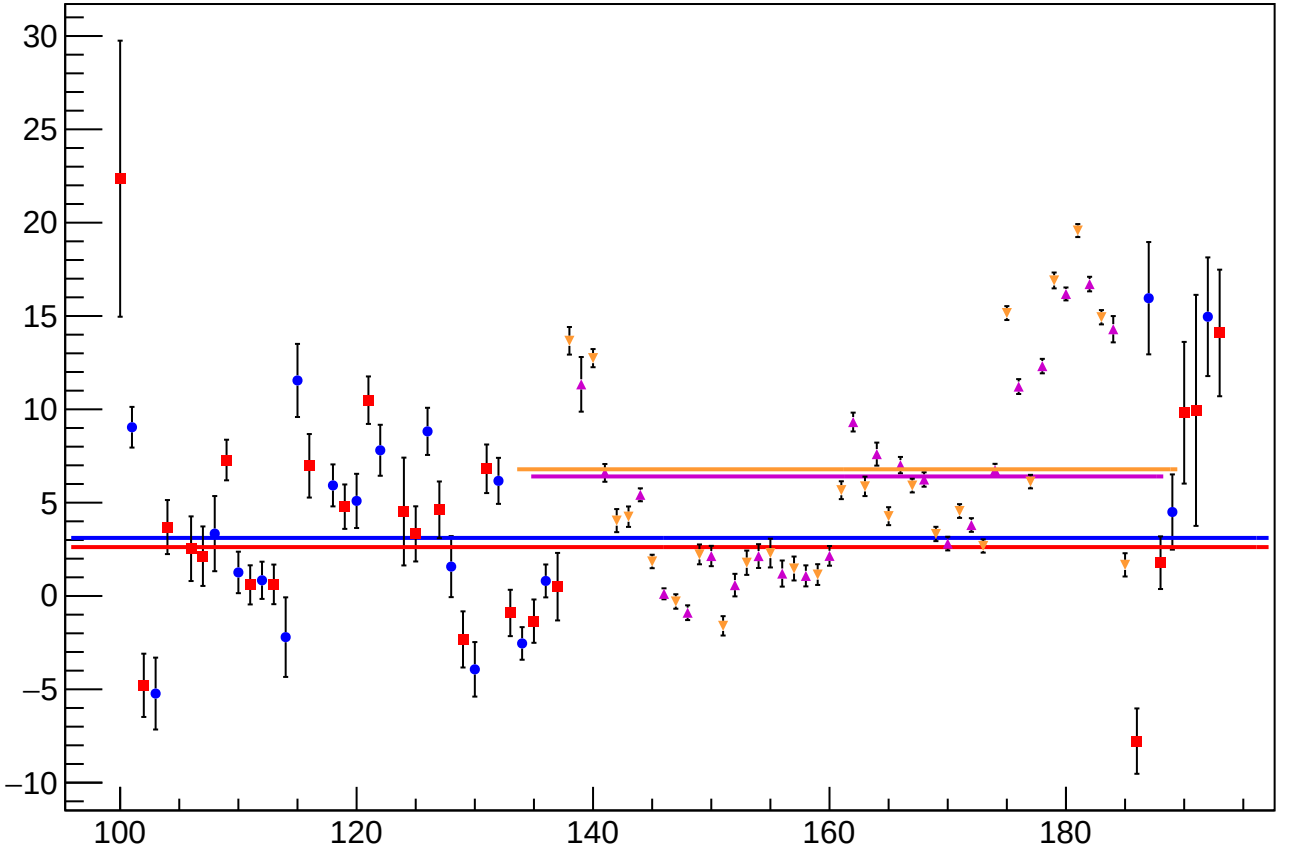
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

\+ sign -16.706+/-0.105 χ^2/NDF: 14823.5/43

All: -16.022+/-0.074 χ^2/NDF: 30055.9/90

\- sign -15.327+/-0.105 χ^2/NDF: 15146.3/46

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: 2.619+/-0.307 χ^2/NDF: 197.4/23

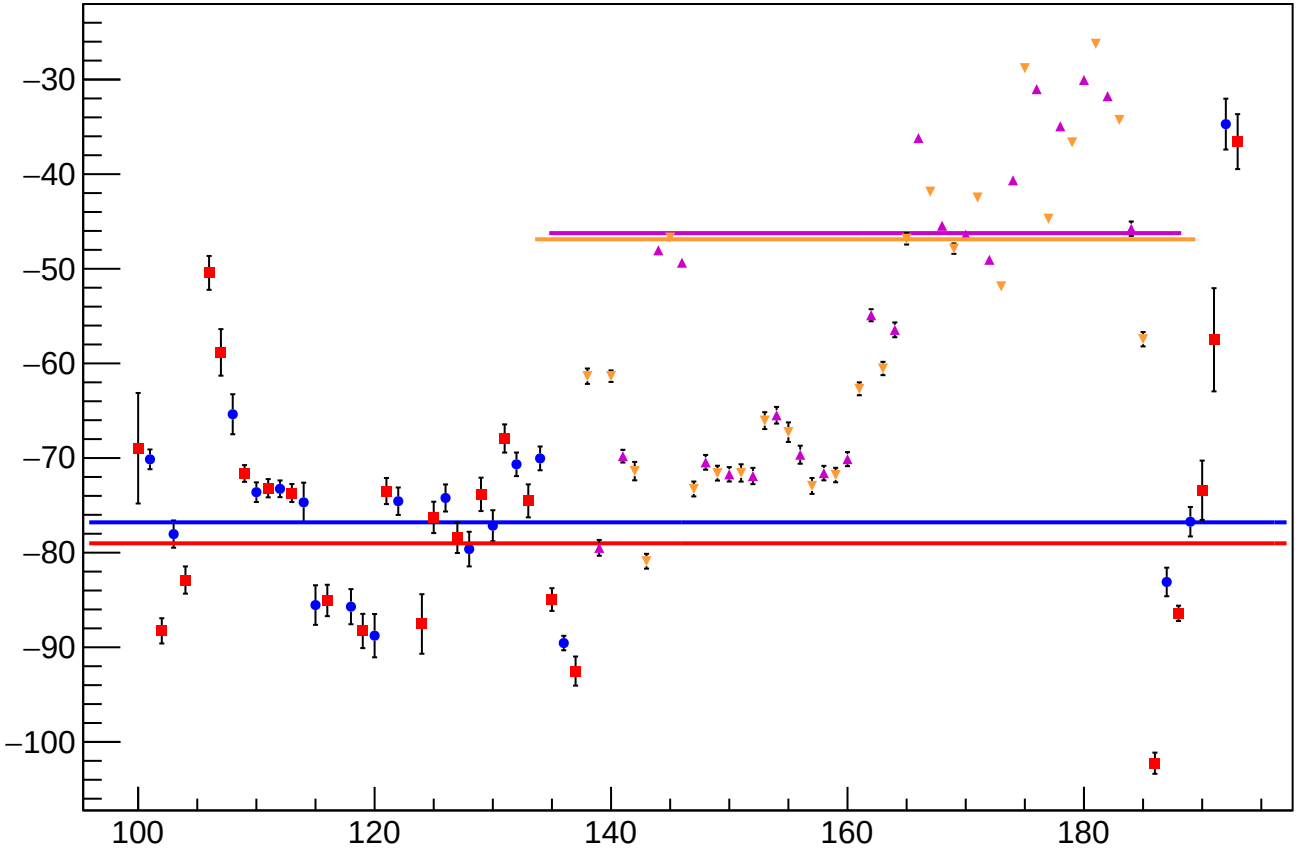
Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.495+/-0.086 χ^2/NDF: 4997.9/43

All: 6.298+/-0.061 χ^2/NDF: 8756.3/90

- sign 6.097+/-0.087 χ^2/NDF: 3747.9/46

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: -79.012+/-0.291 χ^2/NDF: 1502.2/23

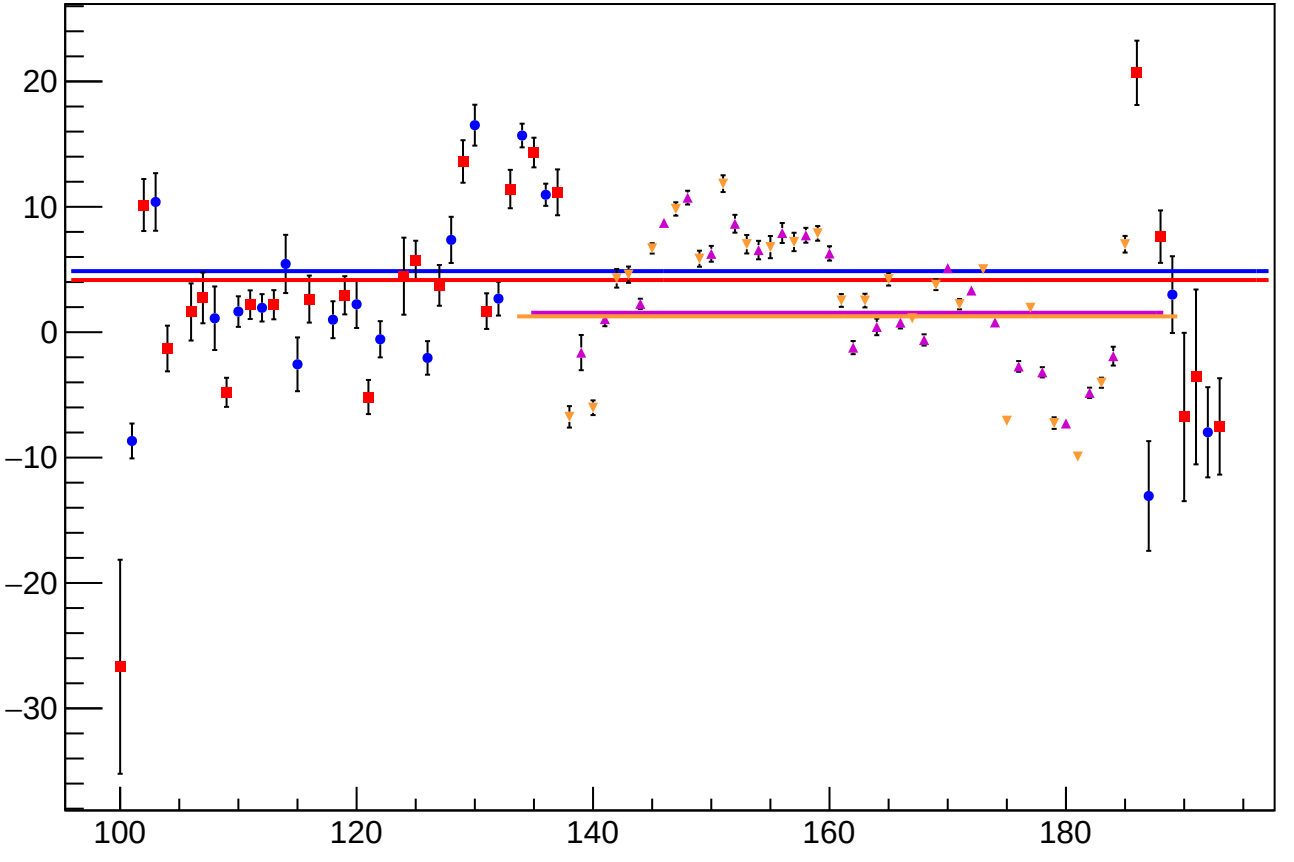
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.433+/-0.107 χ^2/NDF: 26927.5/43

All: -50.593+/-0.076 χ^2/NDF: 54578.3/90

- sign -50.757+/-0.108 χ^2/NDF: 27646.2/46

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: 4.161+/-0.350 χ^2/NDF: 349.4/23

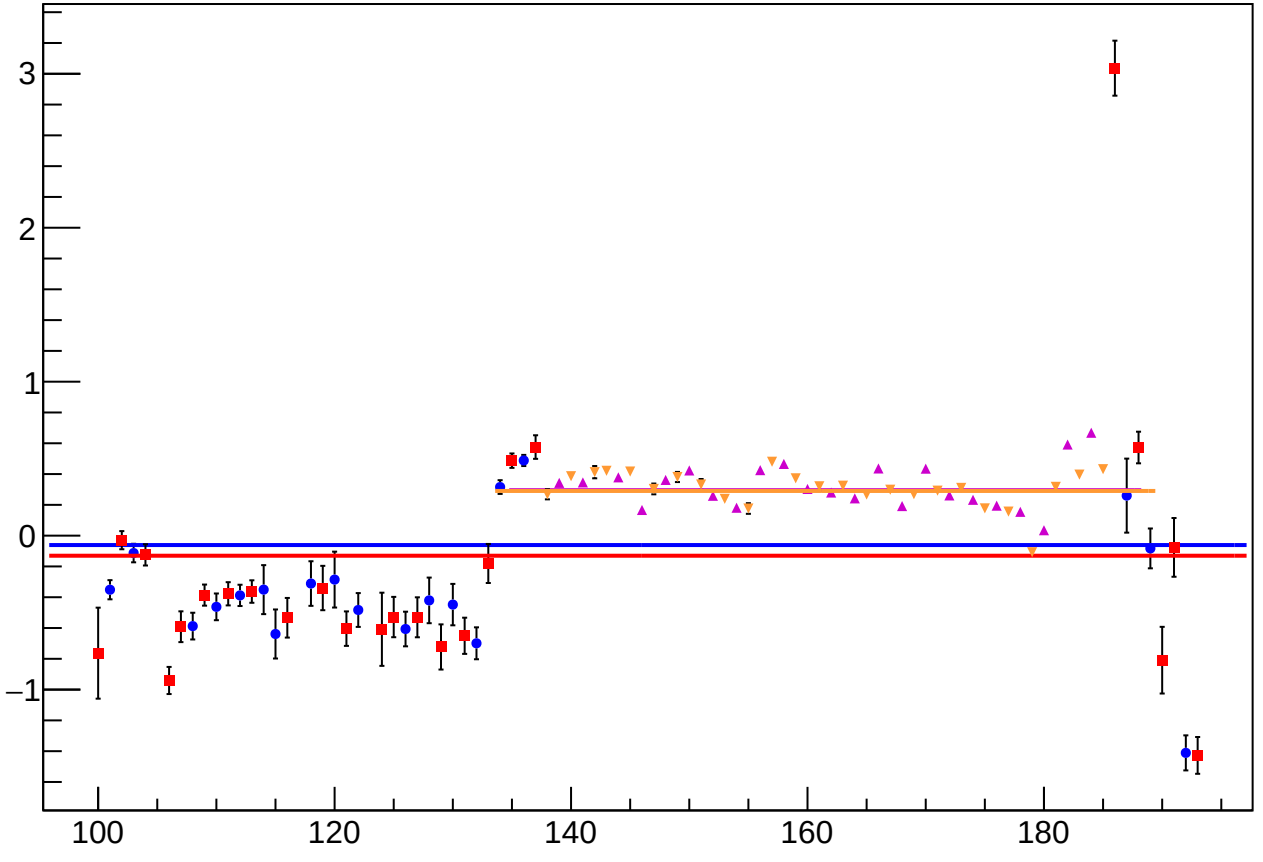
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.544+/-0.096 χ^2/NDF: 3989.6/43

All: 1.648+/-0.069 χ^2/NDF: 6728.1/90

- sign 1.755+/-0.098 χ^2/NDF: 2736.2/46

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: -0.130+/-0.019 χ^2/NDF: 985.2/23

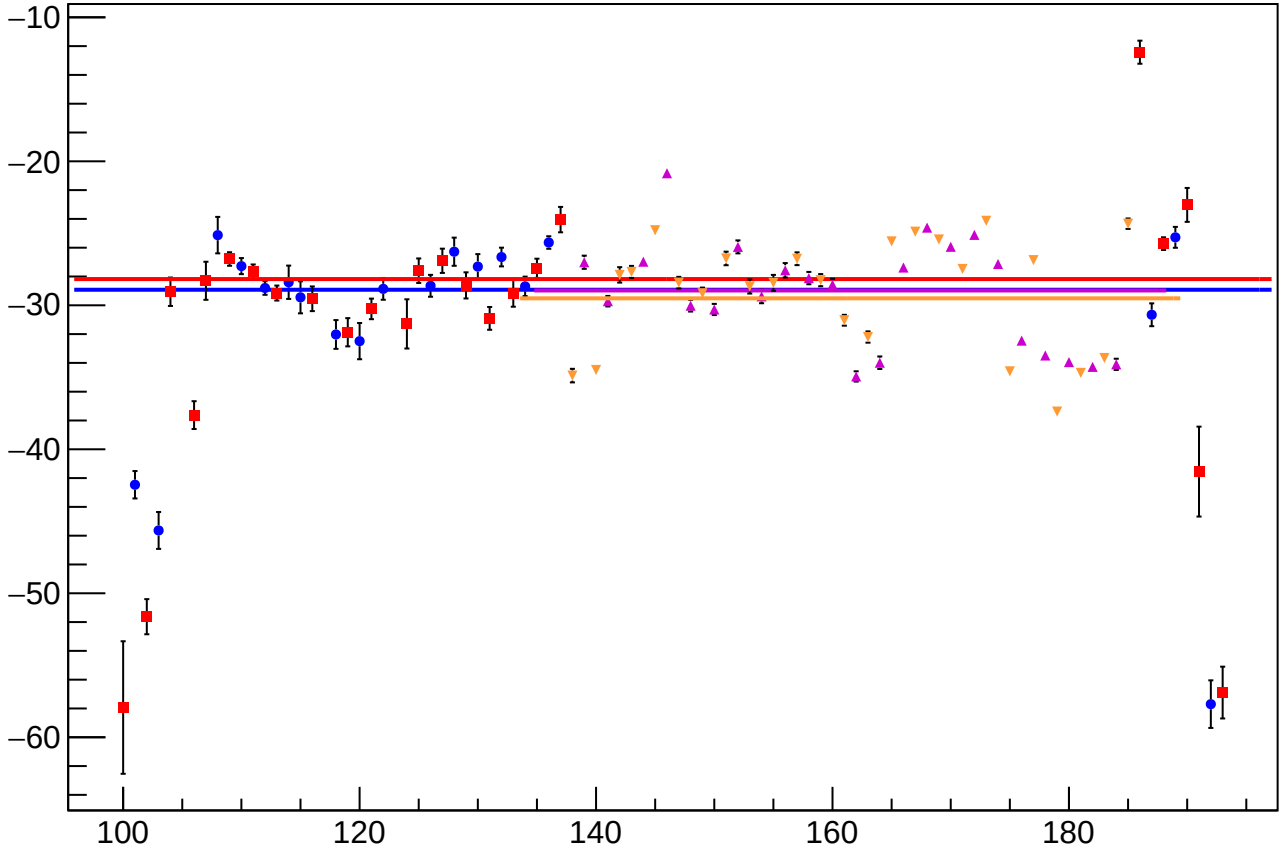
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.271+/-0.004 χ^2/NDF: 1720.8/43

All: 0.272+/-0.003 χ^2/NDF: 4203.7/90

- sign 0.273+/-0.004 χ^2/NDF: 2482.8/46

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: -28.178+/-0.162 χ^2/NDF: 1299.0/23

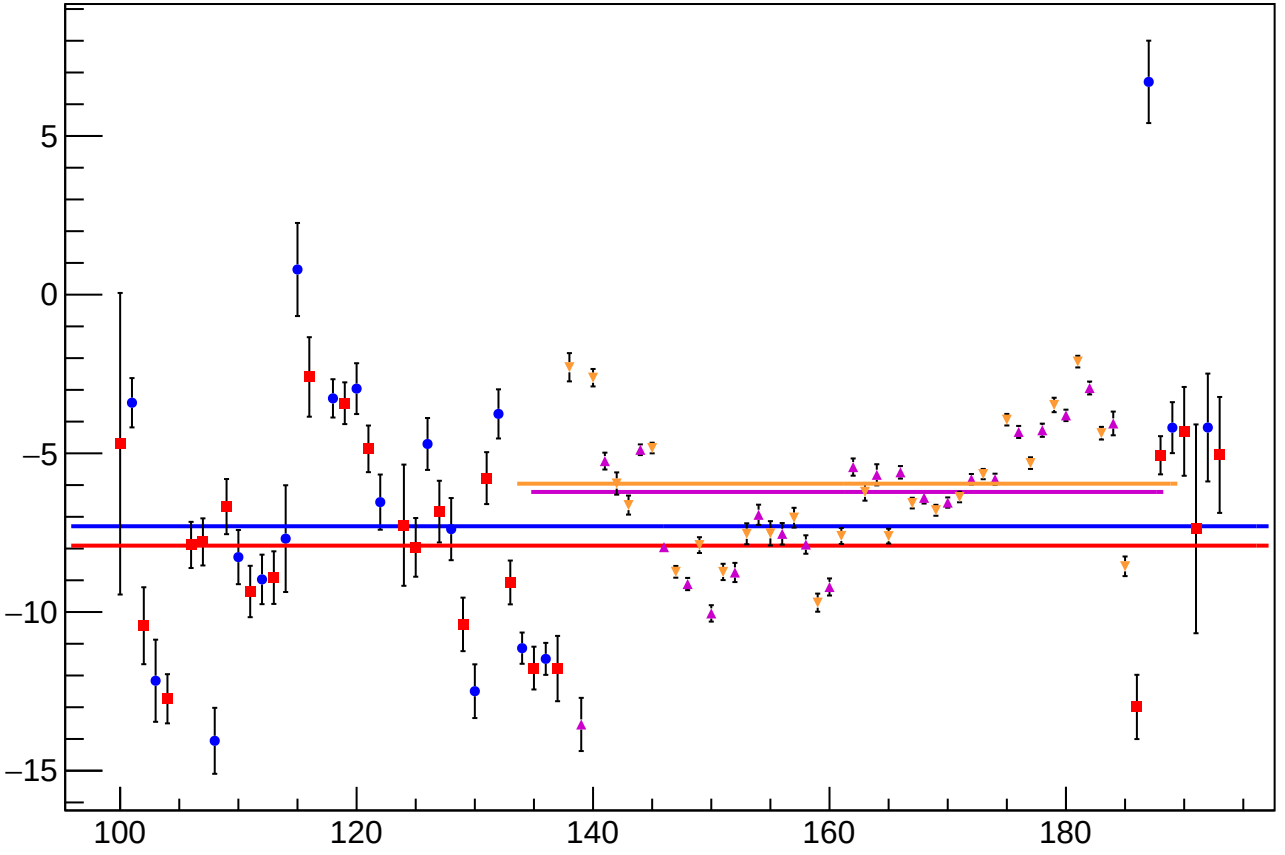
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.460+/-0.054 χ^2/NDF: 6921.0/43

All: -29.172+/-0.038 χ^2/NDF: 13647.8/90

- sign -28.883+/-0.054 χ^2/NDF: 6669.1/46

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: -7.908+/-0.181 χ^2/NDF: 255.3/23

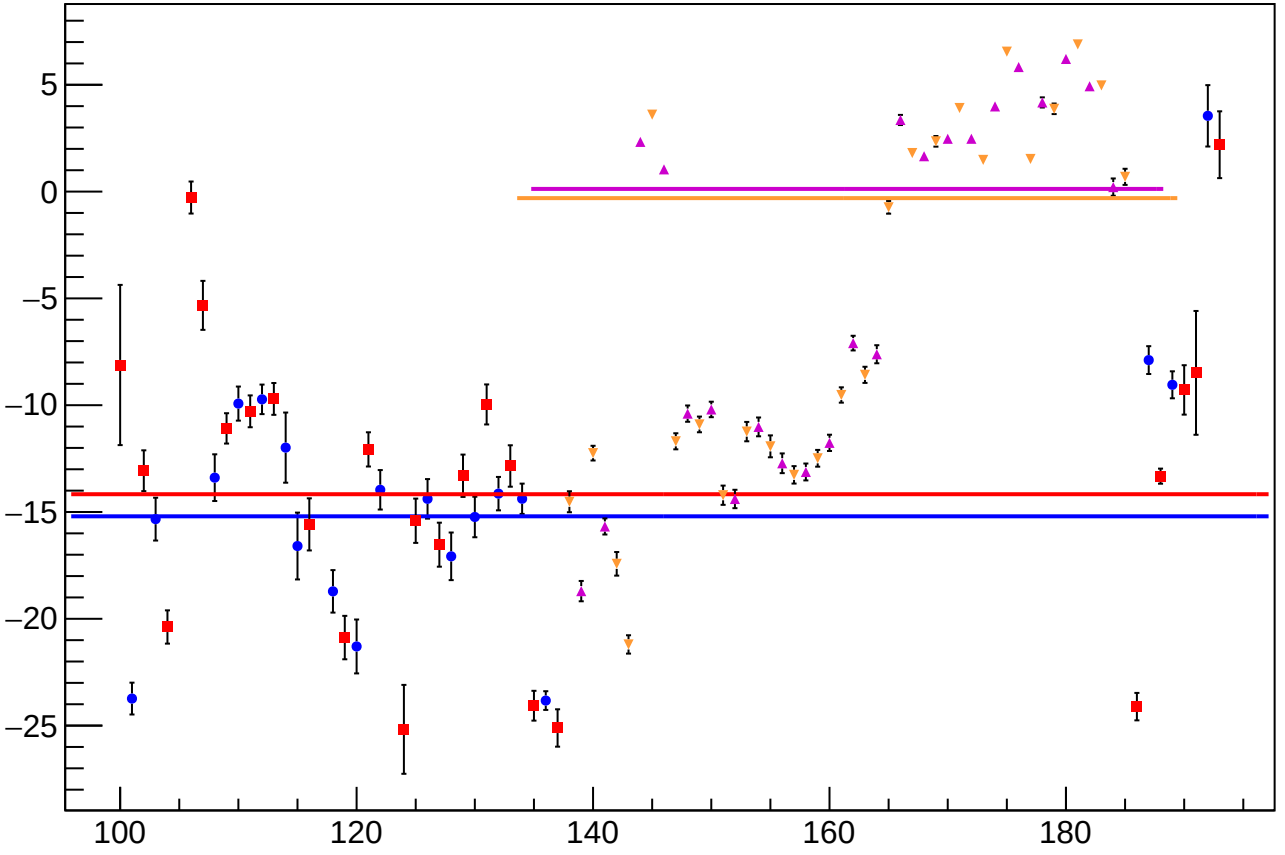
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.028+/-0.043 χ^2/NDF: 2432.4/43

All: -6.171+/-0.030 χ^2/NDF: 4533.4/90

- sign -6.312+/-0.043 χ^2/NDF: 2079.3/46

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: -14.168+/-0.170 χ^2/NDF: 1395.8/23

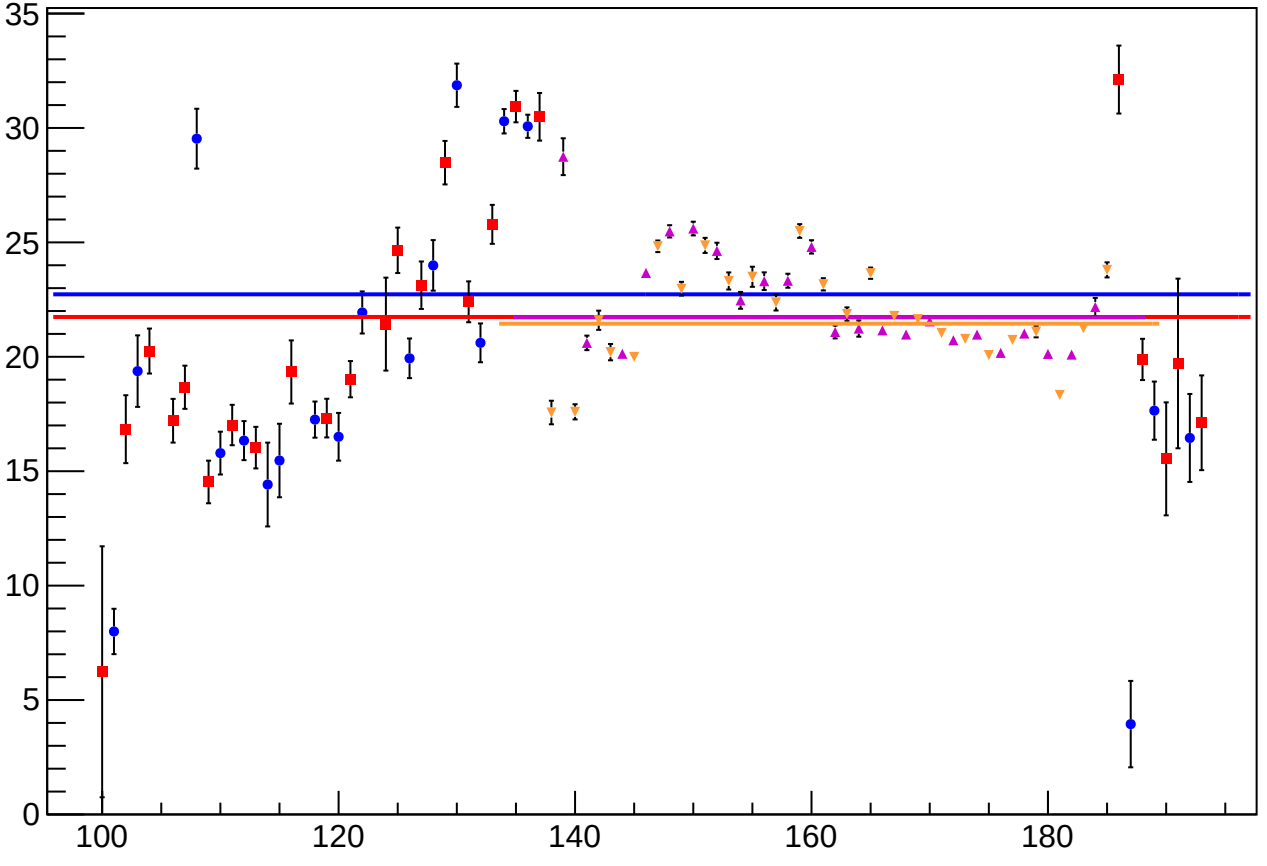
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.537+/-0.054 χ^2/NDF: 23983.0/43

All: -1.427+/-0.038 χ^2/NDF: 45572.3/90

- sign -1.318+/-0.054 χ^2/NDF: 21581.1/46

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: 21.740+/-0.213 χ^2/NDF: 622.9/23

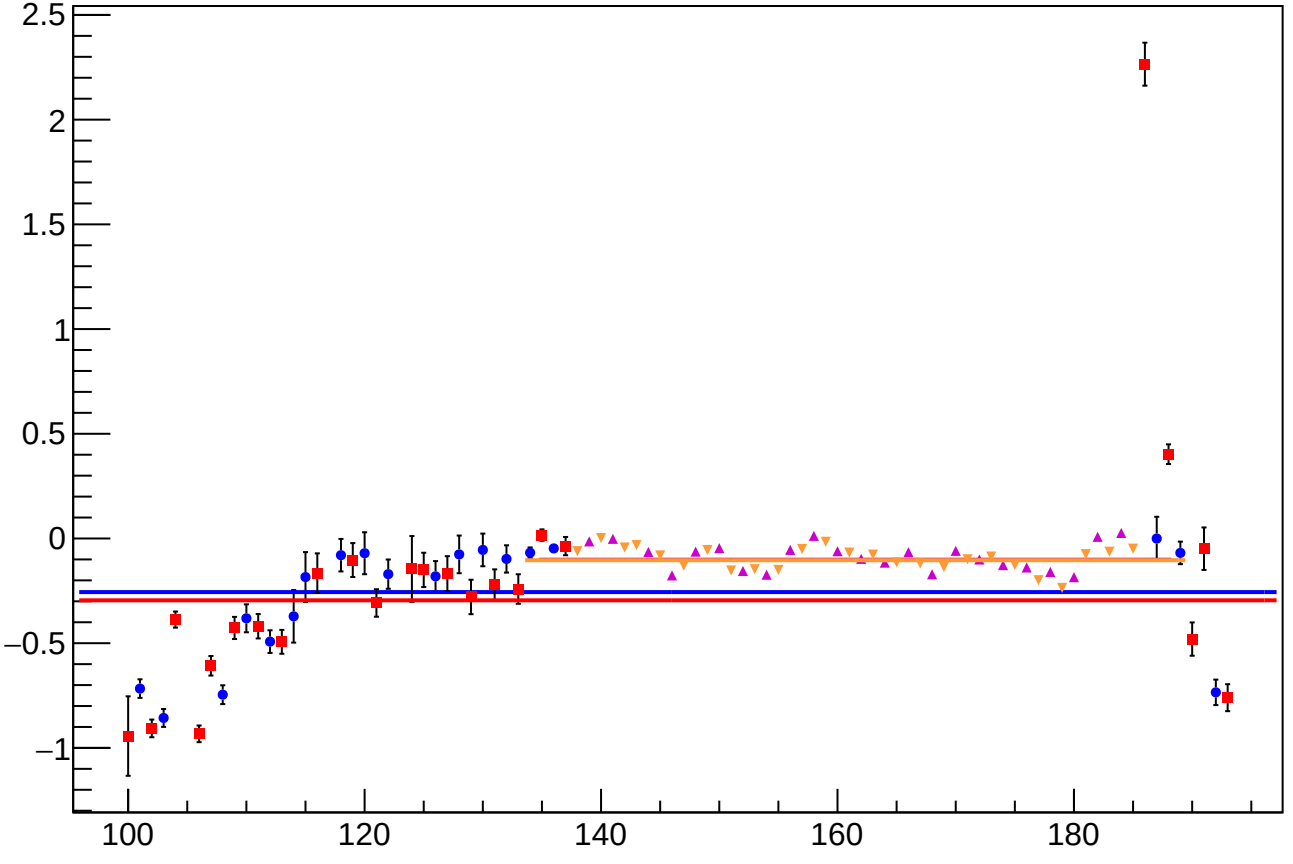
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.513+/-0.048 χ^2/NDF: 2498.6/43

All: 21.619+/-0.034 χ^2/NDF: 4304.9/90

- sign 21.726+/-0.048 χ^2/NDF: 1796.6/46

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: -0.295+/-0.011 χ^2/NDF: 1639.5/23

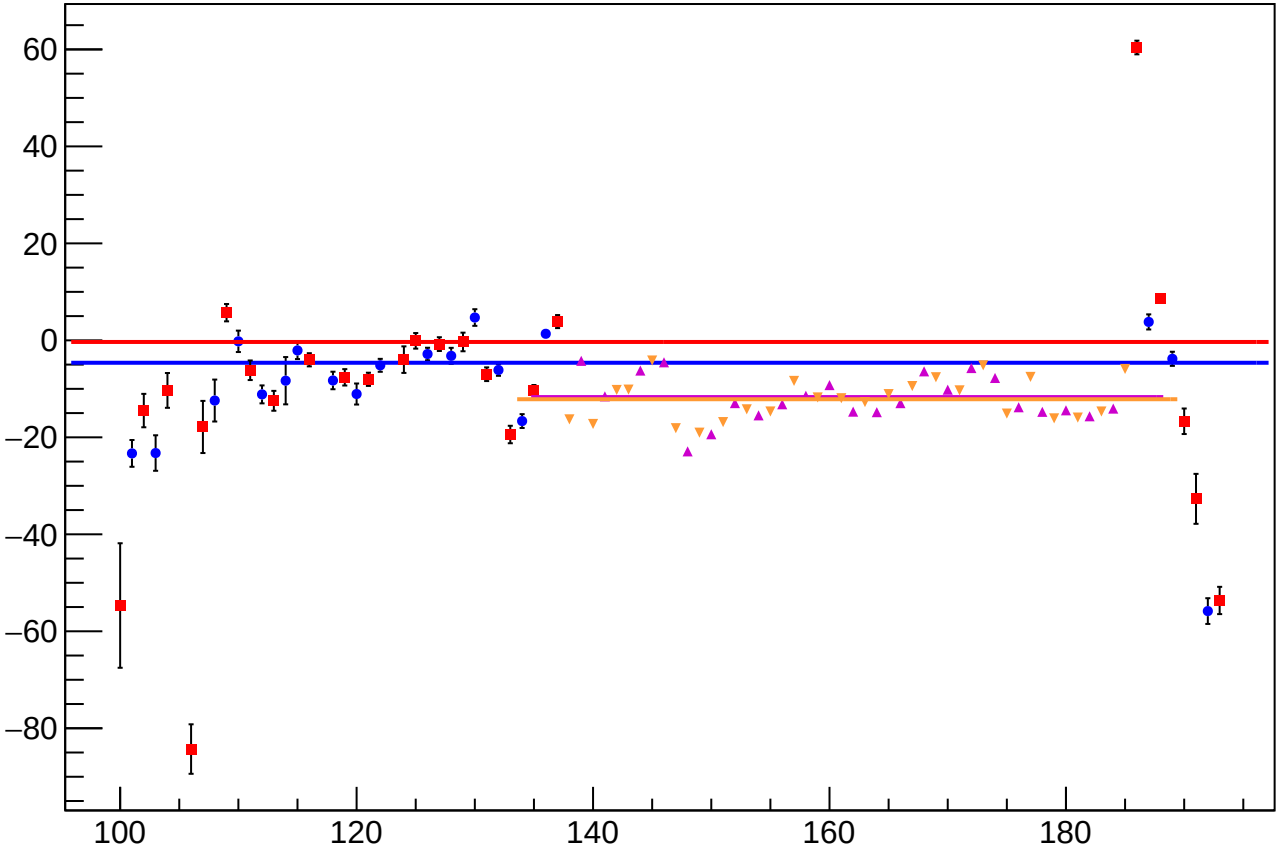
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.110+/-0.002 χ^2/NDF: 1441.0/43

All: -0.109+/-0.002 χ^2/NDF: 4113.6/90

- sign -0.108+/-0.002 χ^2/NDF: 2672.5/46

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: -0.332+/-0.347 χ^2/NDF: 3085.0/23

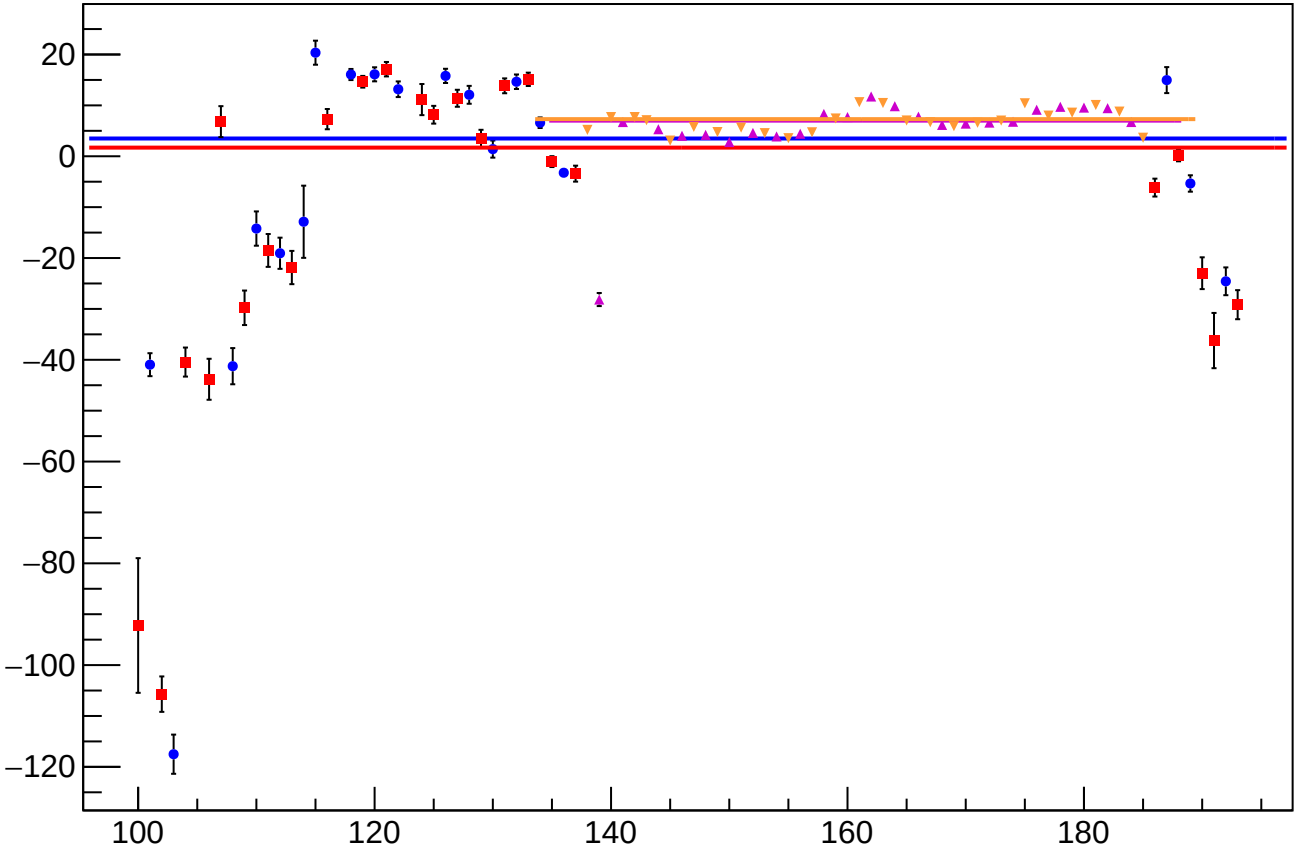
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.677+/-0.089 χ^2/NDF: 3240.0/43

All: -11.306+/-0.063 χ^2/NDF: 9312.0/90

- sign -10.916+/-0.091 χ^2/NDF: 6036.0/46

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: 1.699+/-0.380 χ^2/NDF: 2279.8/23

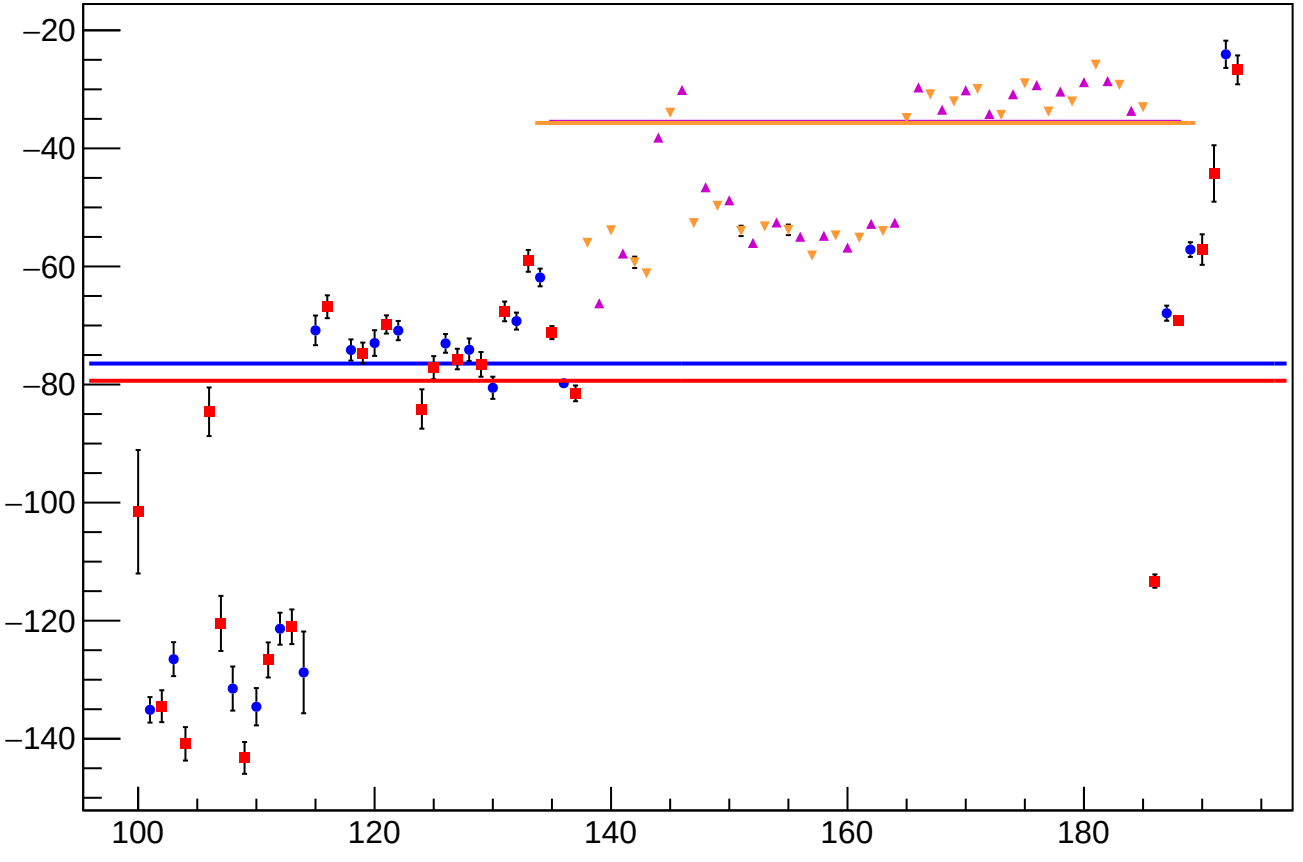
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.145+/-0.073 χ^2/NDF: 3255.3/43

All: 6.975+/-0.052 χ^2/NDF: 7309.6/90

- sign 6.800+/-0.075 χ^2/NDF: 4043.5/46

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: -79.363+/-0.351 χ^2/NDF: 4052.7/23

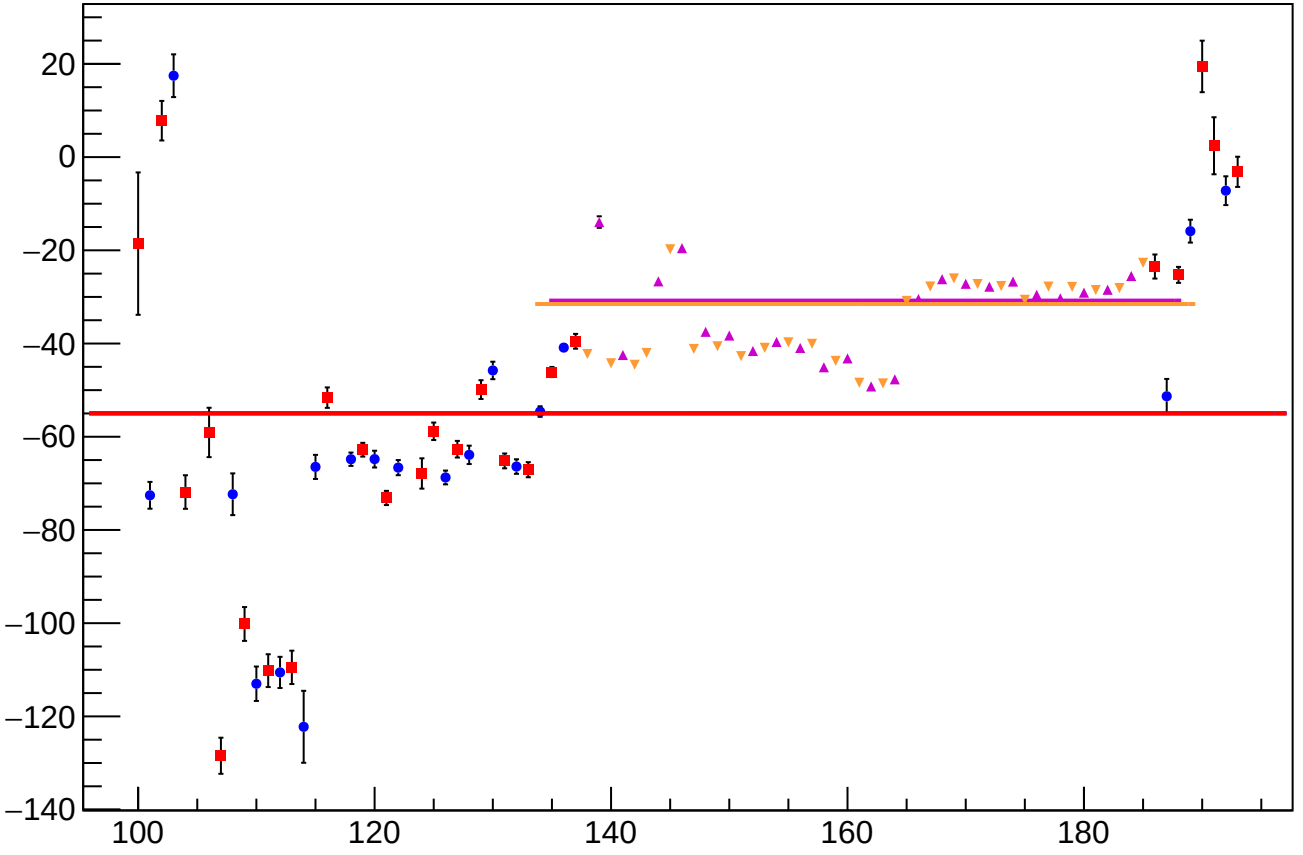
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -38.042+/-0.090 χ^2/NDF: 26951.6/43

All: -38.253+/-0.064 χ^2/NDF: 56762.5/90

- sign -38.472+/-0.091 χ^2/NDF: 29799.6/46

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: -55.027+/-0.440 χ^2/NDF: 2691.0/23

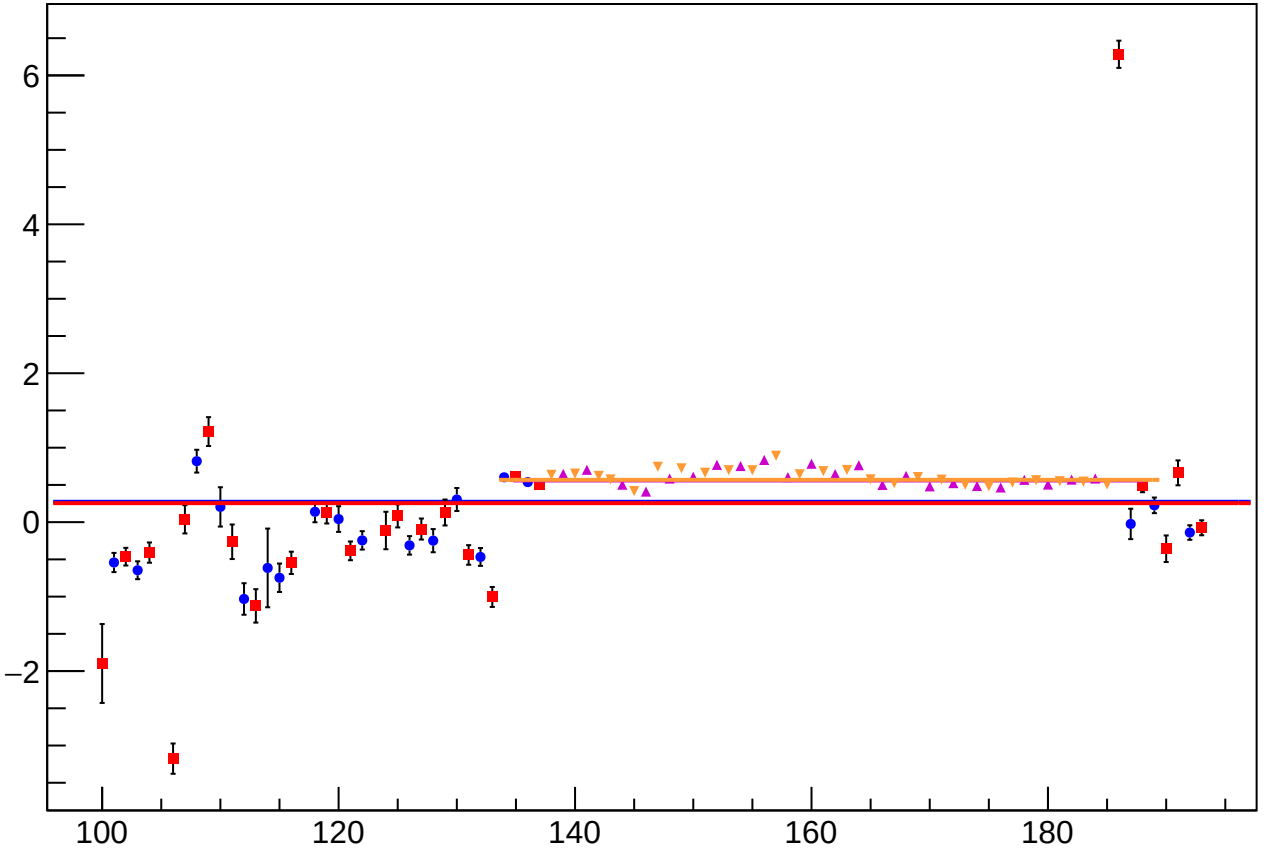
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.425+/-0.081 χ^2/NDF: 13598.2/43

All: -32.044+/-0.058 χ^2/NDF: 26814.0/90

- sign -31.648+/-0.083 χ^2/NDF: 13171.0/46

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: 0.255+/-0.024 χ^2/NDF: 1816.9/23

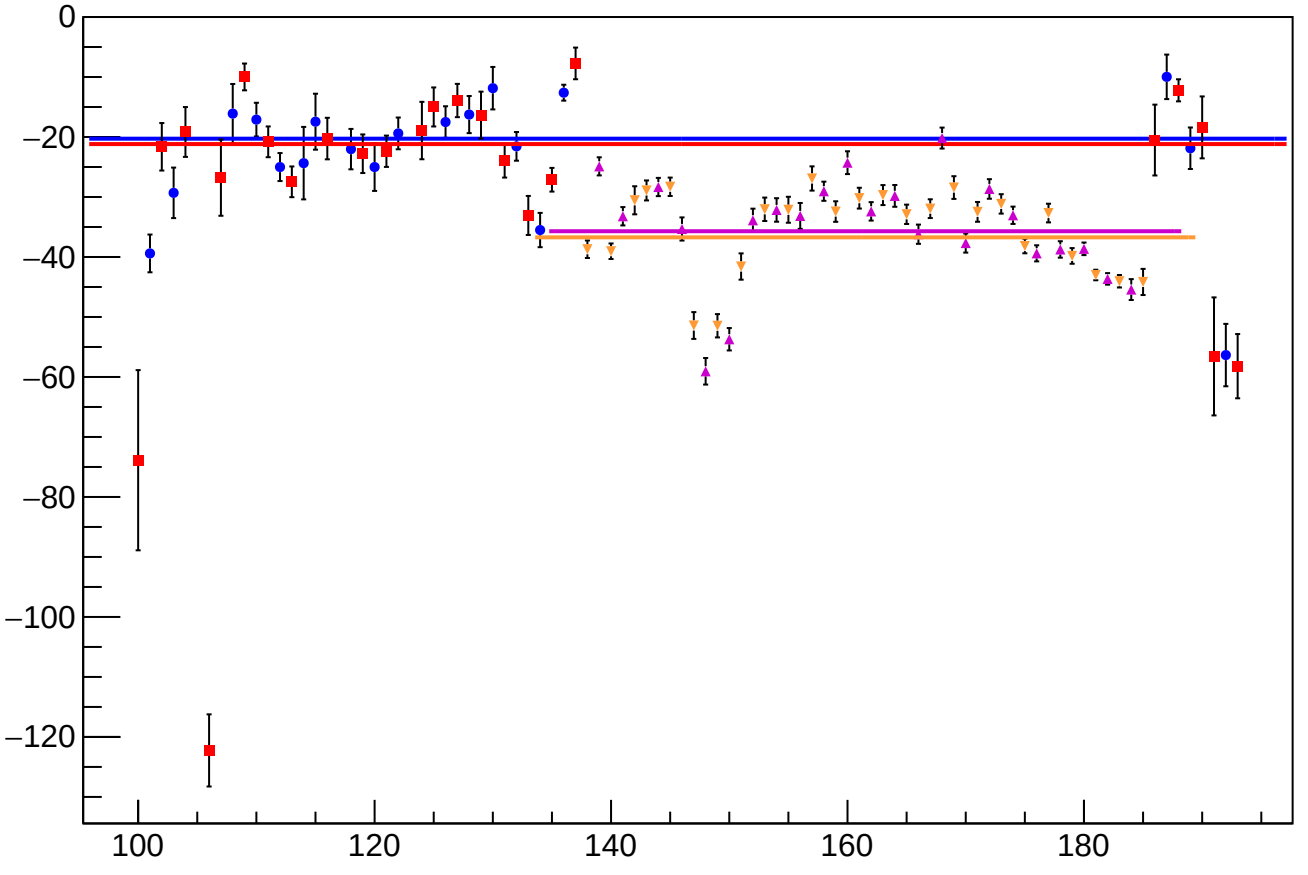
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.560+/-0.004 χ^2/NDF: 1130.1/43

All: 0.556+/-0.003 χ^2/NDF: 3779.9/90

- sign 0.552+/-0.004 χ^2/NDF: 2647.7/46

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: -21.179+/-0.650 χ^2/NDF: 473.8/23

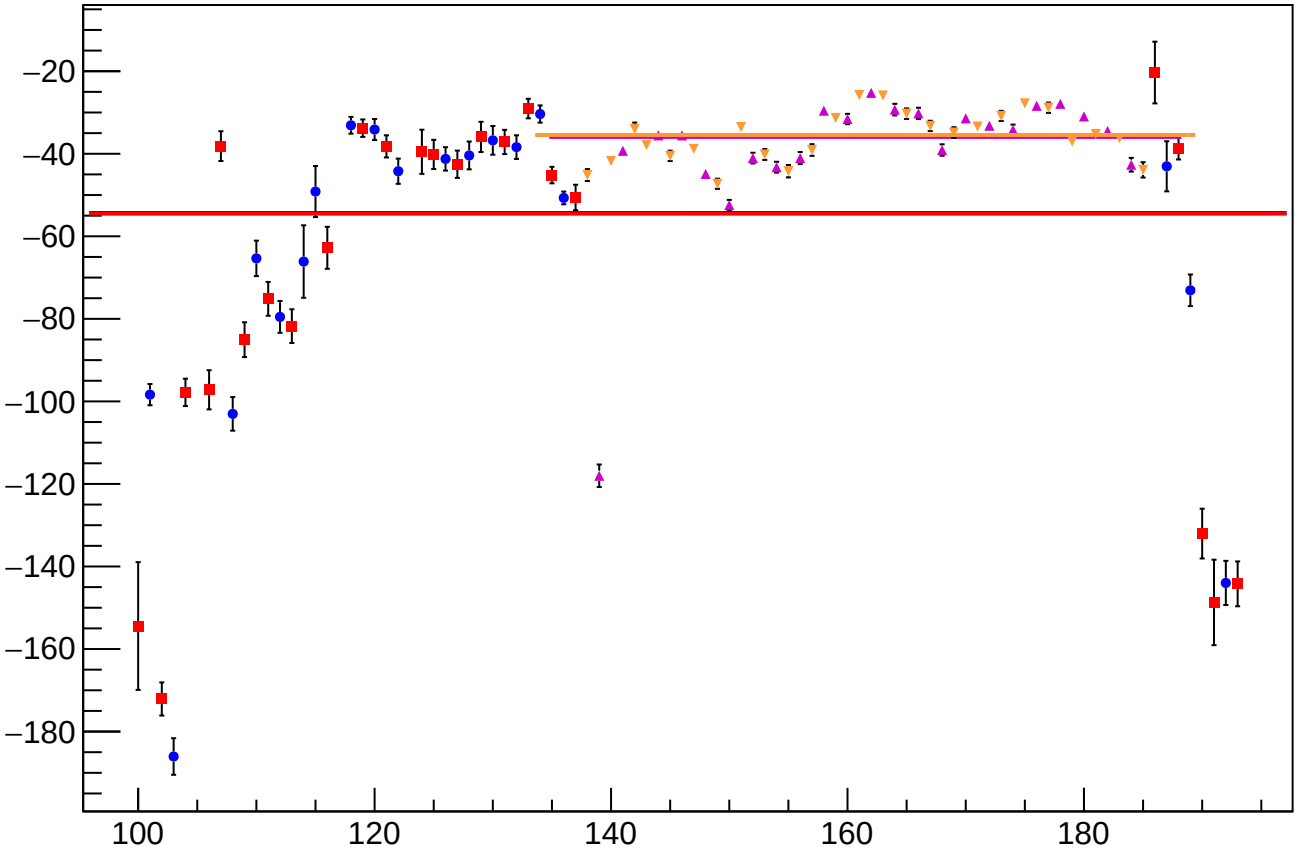
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.782+/-0.281 χ^2/NDF: 1100.4/43

All: -33.316+/-0.202 χ^2/NDF: 2559.4/90

- sign -32.823+/-0.289 χ^2/NDF: 1453.4/46

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: -54.498+/-0.704 χ^2/NDF: 2245.6/23

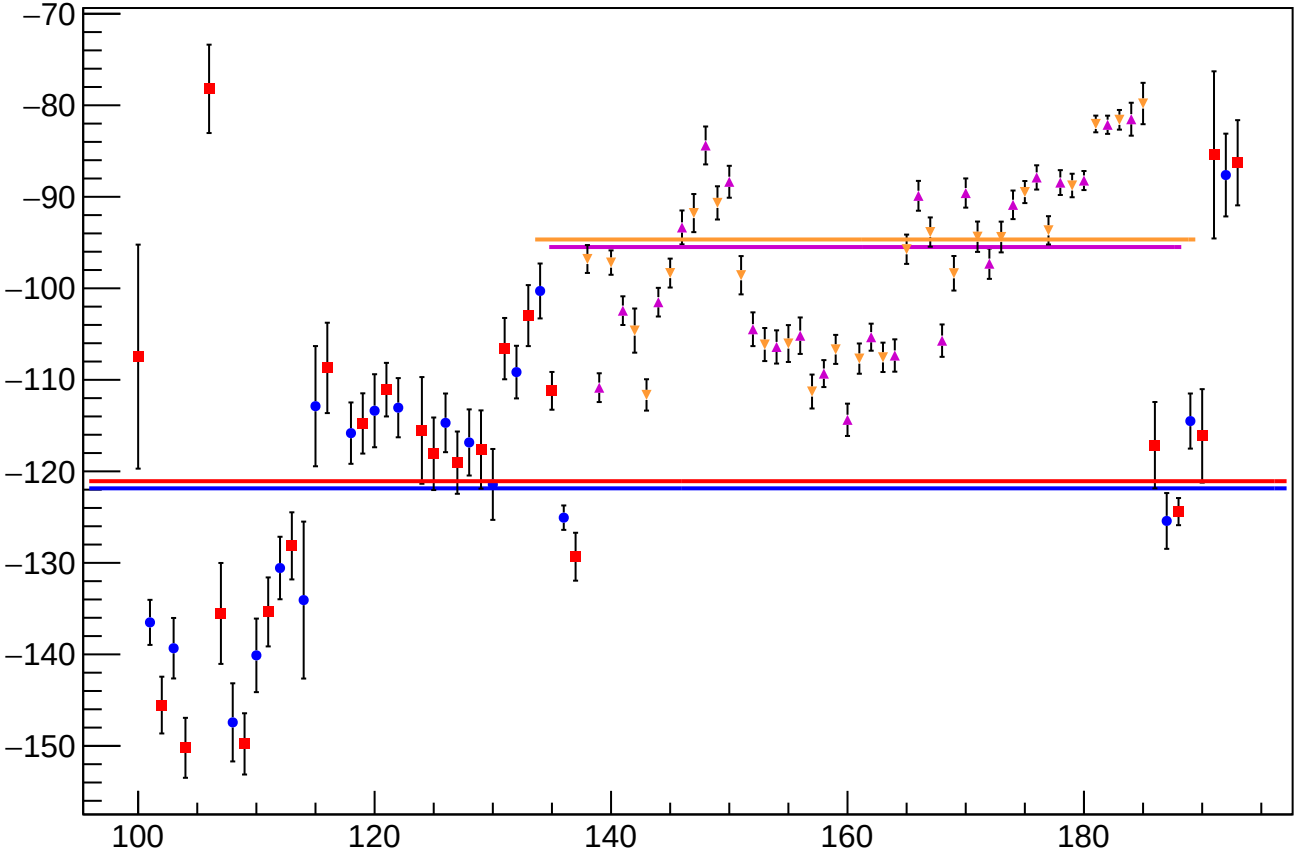
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -37.579+/-0.231 χ^2/NDF: 3306.9/43

All: -37.823+/-0.167 χ^2/NDF: 7714.1/90

- sign -38.088+/-0.241 χ^2/NDF: 4404.9/46

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: -121.075+/-0.681 χ^2/NDF: 502.8/23

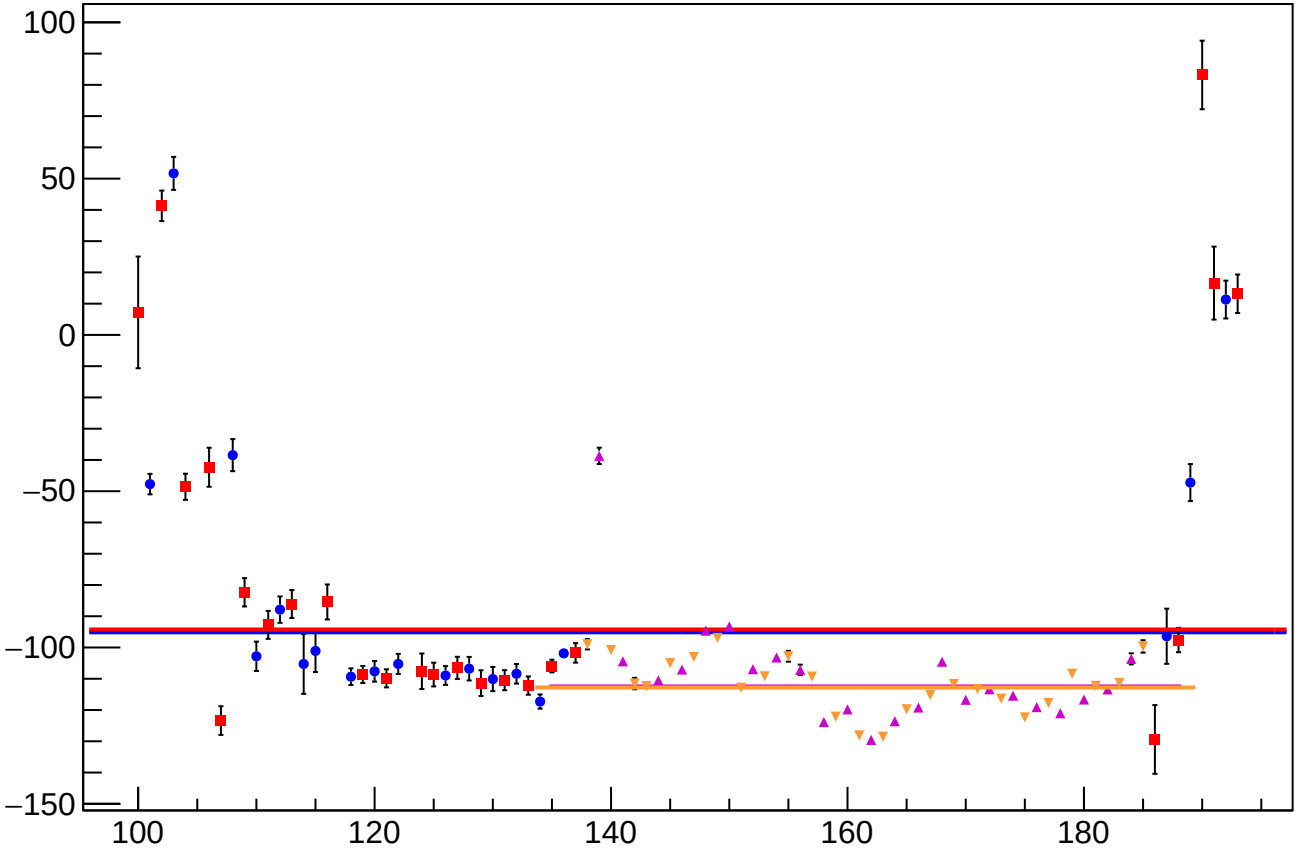
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.124+/-0.283 χ^2/NDF: 2458.0/43

All: -99.620+/-0.203 χ^2/NDF: 5090.8/90

- sign -100.141+/-0.291 χ^2/NDF: 2626.6/46

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: -94.234+/-0.810 χ^2/NDF: 1918.3/23

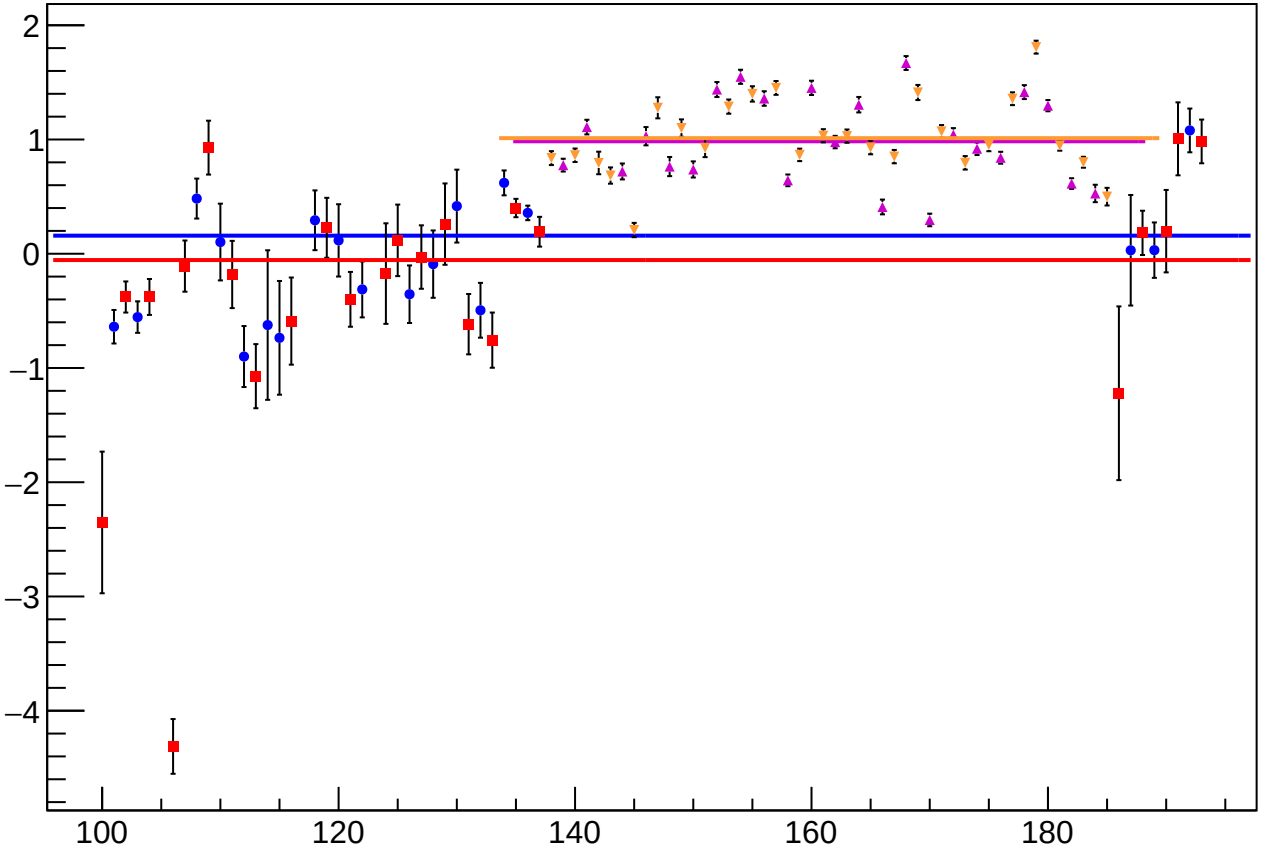
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -110.838+/-0.258 χ^2/NDF: 3113.7/43

All: -110.656+/-0.186 χ^2/NDF: 7272.6/90

- sign -110.459+/-0.269 χ^2/NDF: 4157.8/46

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: -0.055+/-0.042 χ^2/NDF: 469.9/23

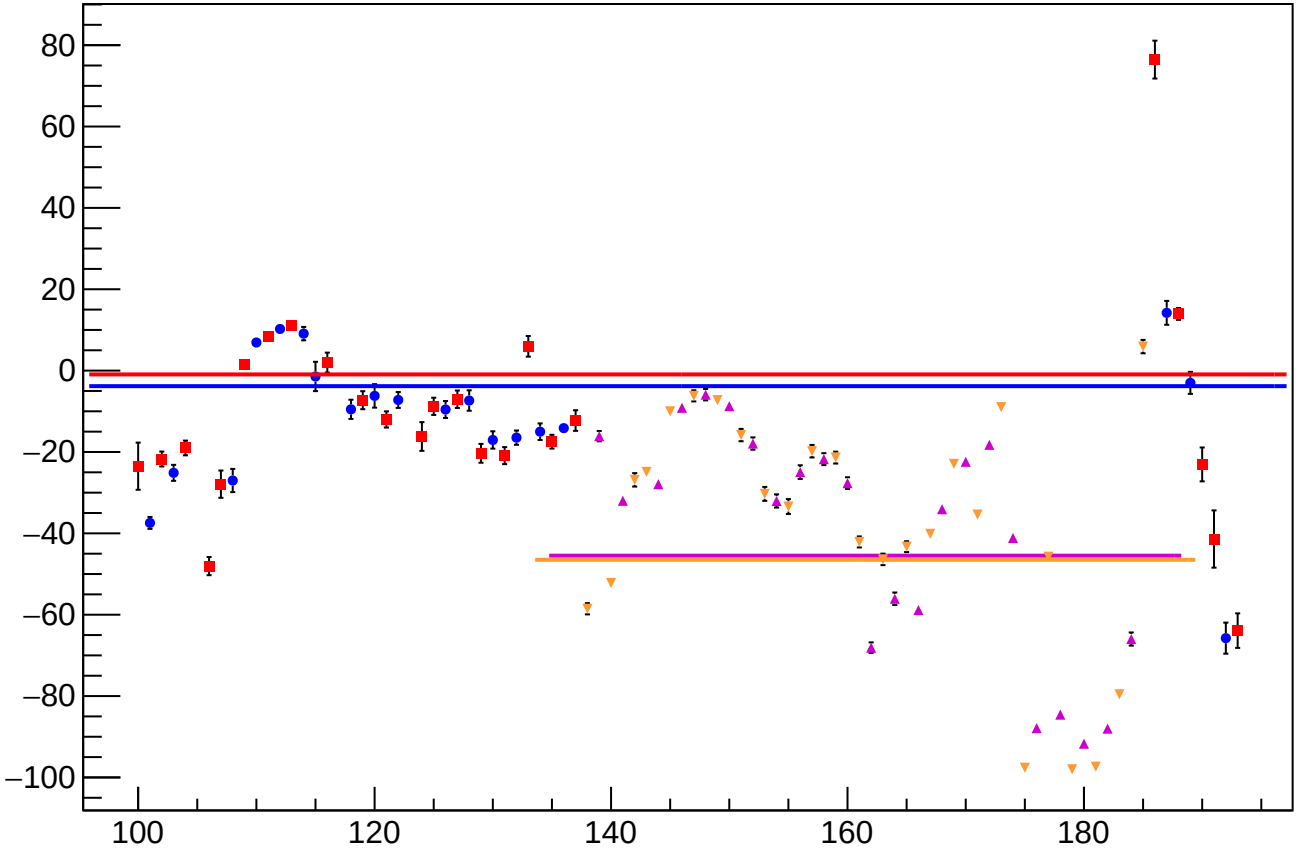
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.937+/-0.012 χ^2/NDF: 1262.9/43

All: 0.919+/-0.008 χ^2/NDF: 3202.9/90

- sign 0.899+/-0.012 χ^2/NDF: 1934.8/46

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: -0.933+/-0.326 χ^2/NDF: 2190.7/23

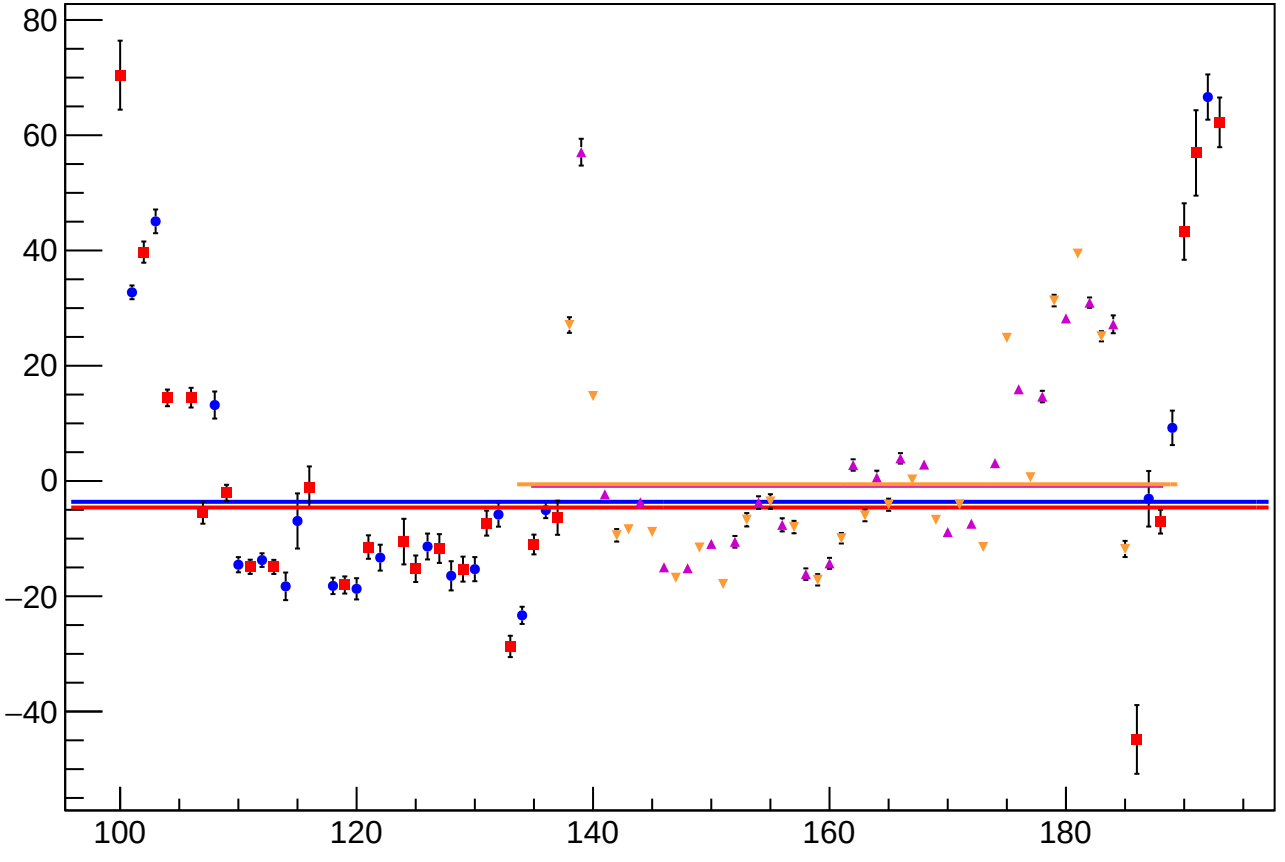
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.521+/-0.195 χ^2/NDF: 31527.7/43

All: -32.250+/-0.137 χ^2/NDF: 61731.7/90

- sign -30.048+/-0.192 χ^2/NDF: 29937.2/46

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: -4.600+/-0.409 χ^2/NDF: 1964.8/23

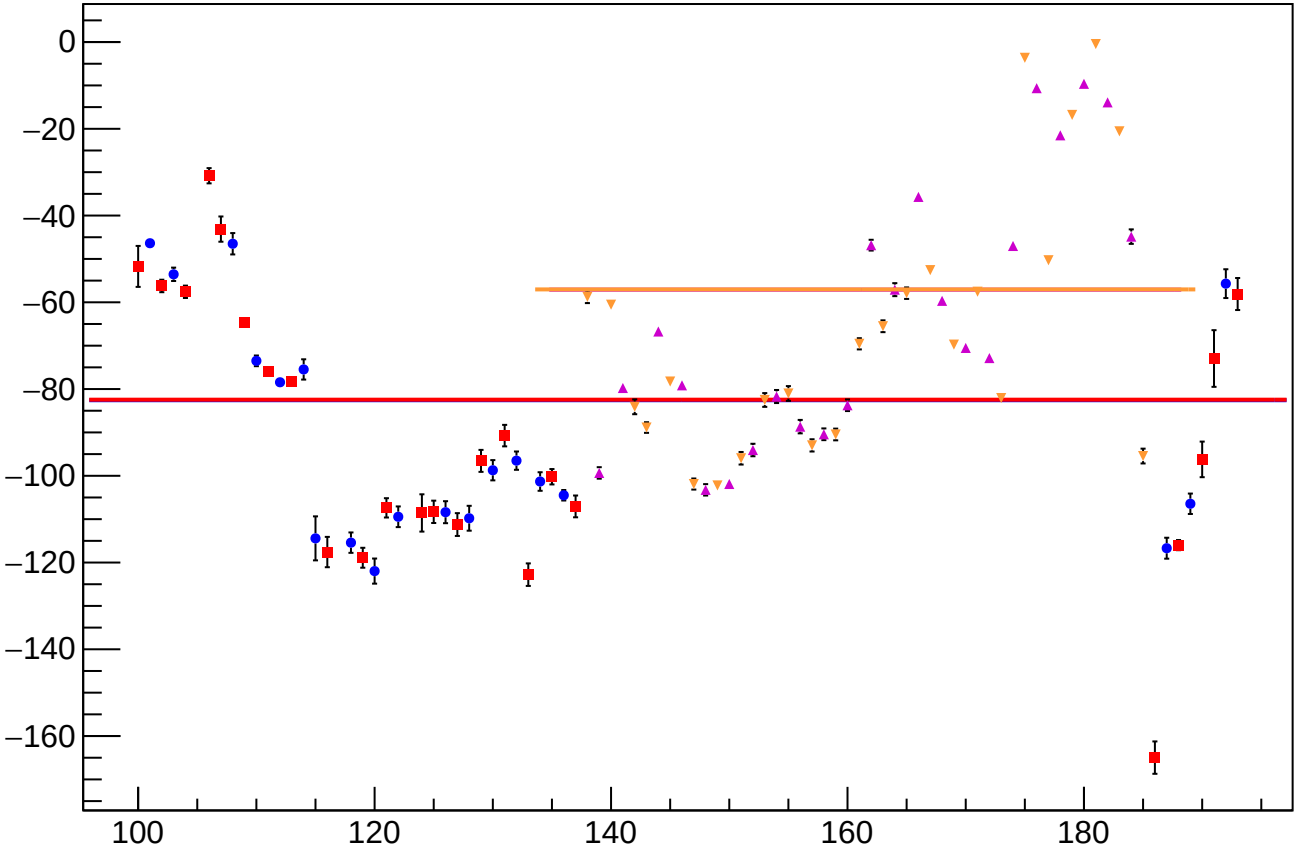
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -1.027+/-0.163 χ^2/NDF: 10988.9/43

All: -1.238+/-0.117 χ^2/NDF: 19144.6/90

- sign -1.458+/-0.167 χ^2/NDF: 8152.3/46

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



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: -82.452+/-0.386 χ^2/NDF: 4643.8/23

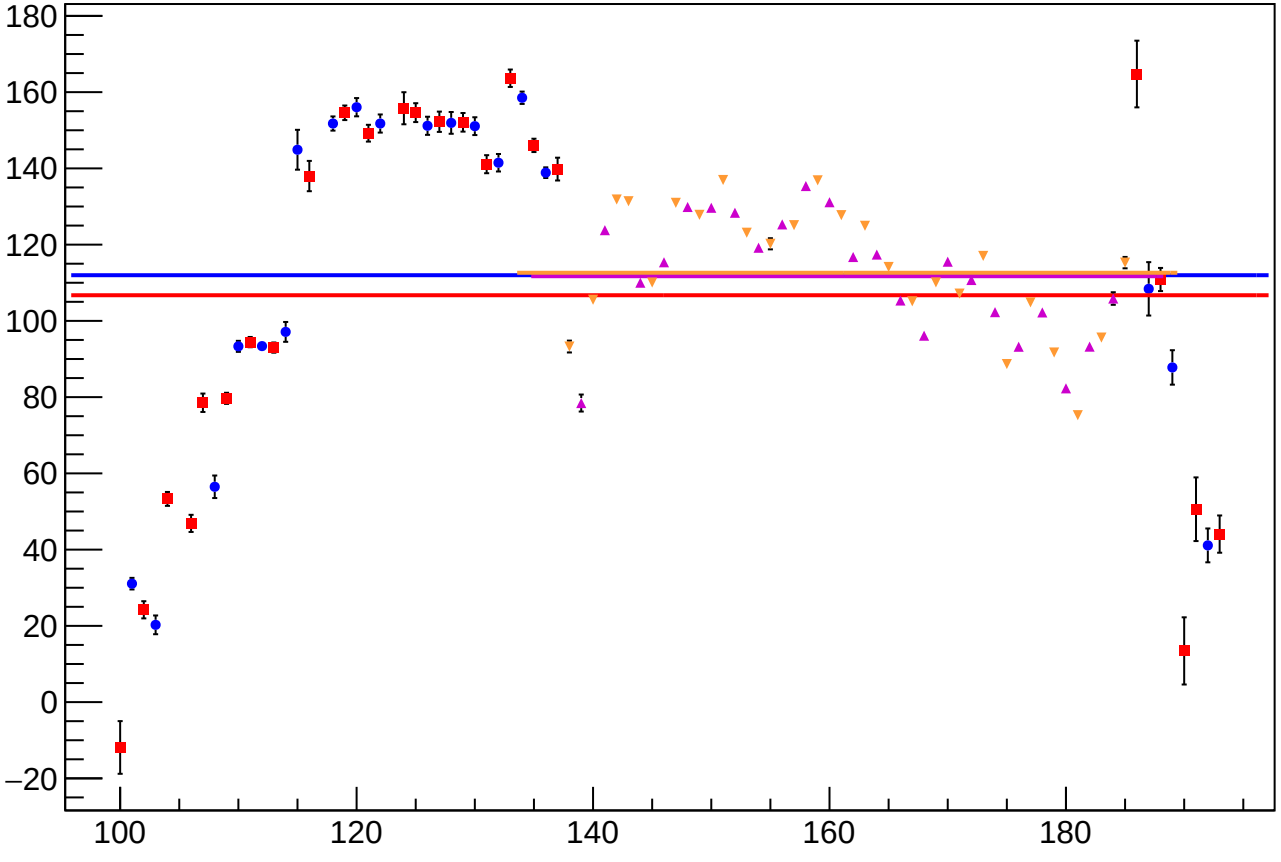
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -62.899+/-0.202 χ^2/NDF: 26397.5/43

All: -63.459+/-0.143 χ^2/NDF: 51362.9/90

- sign -64.018+/-0.202 χ^2/NDF: 24950.1/46

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: 106.728+/-0.469 χ^2/NDF: 7914.3/23

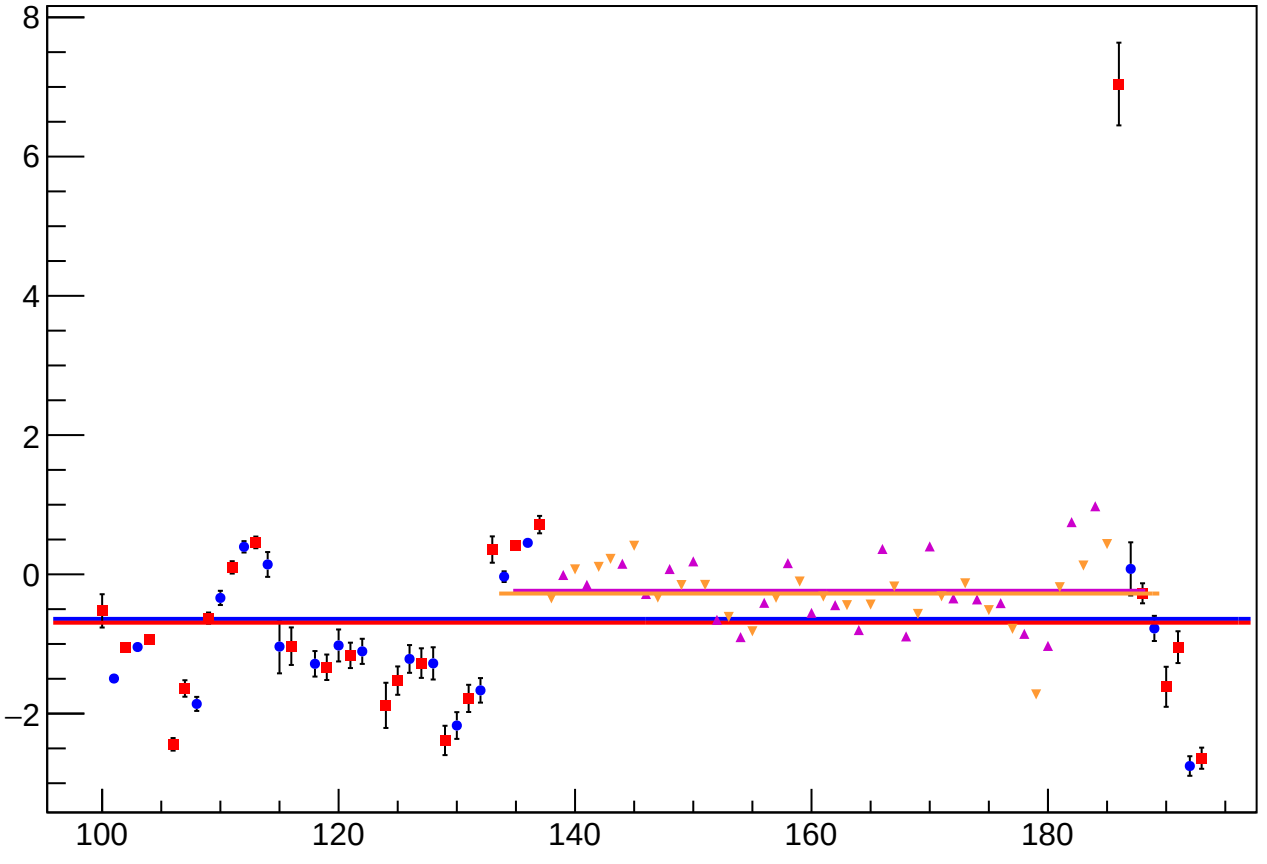
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.530+/-0.185 χ^2/NDF: 15202.9/43

All: 111.739+/-0.132 χ^2/NDF: 28146.4/90

- sign 110.913+/-0.189 χ^2/NDF: 12906.0/46

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: -0.694+/-0.024 χ^2/NDF: 1672.4/23

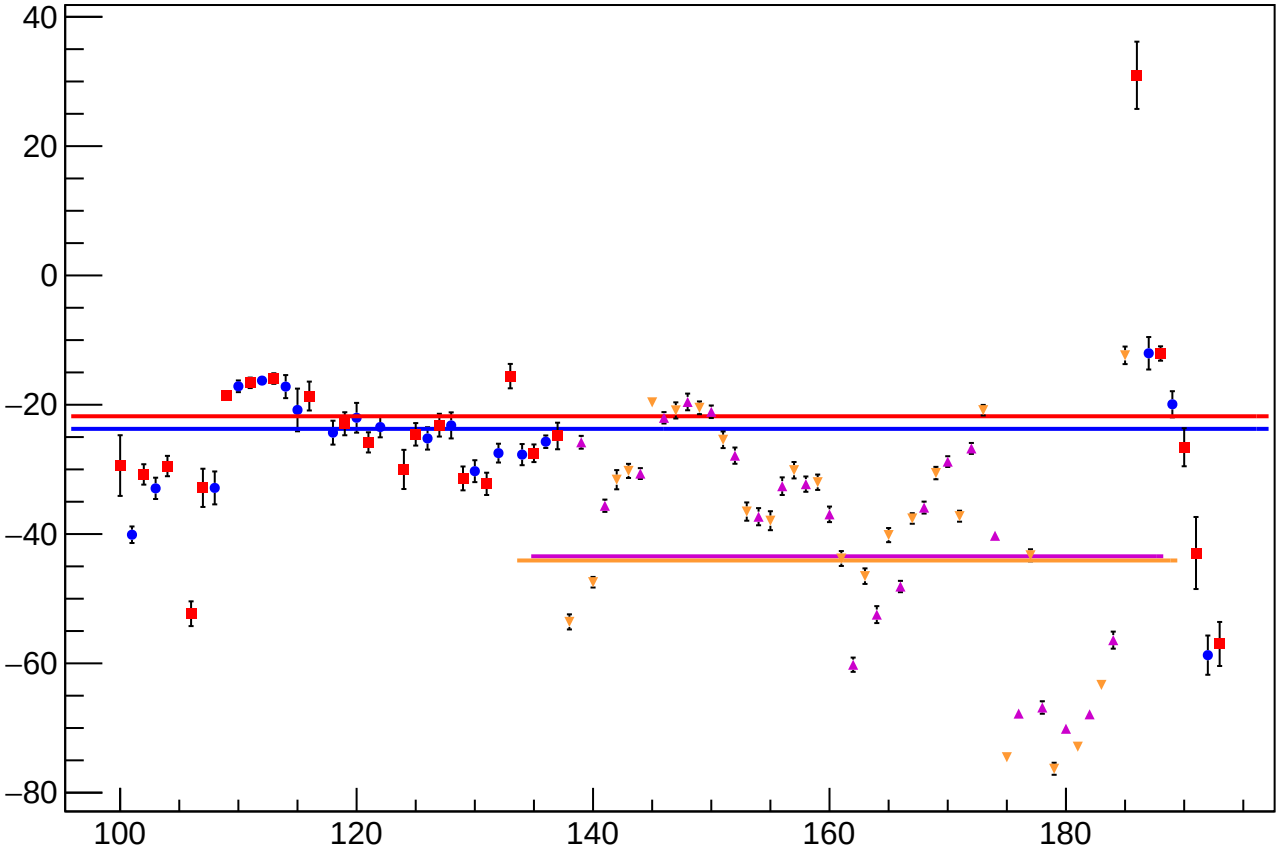
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.317+/-0.008 χ^2/NDF: 3644.3/43

All: -0.306+/-0.006 χ^2/NDF: 8593.5/90

- sign -0.294+/-0.009 χ^2/NDF: 4945.4/46

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: -21.781+/-0.305 χ^2/NDF: 857.9/23

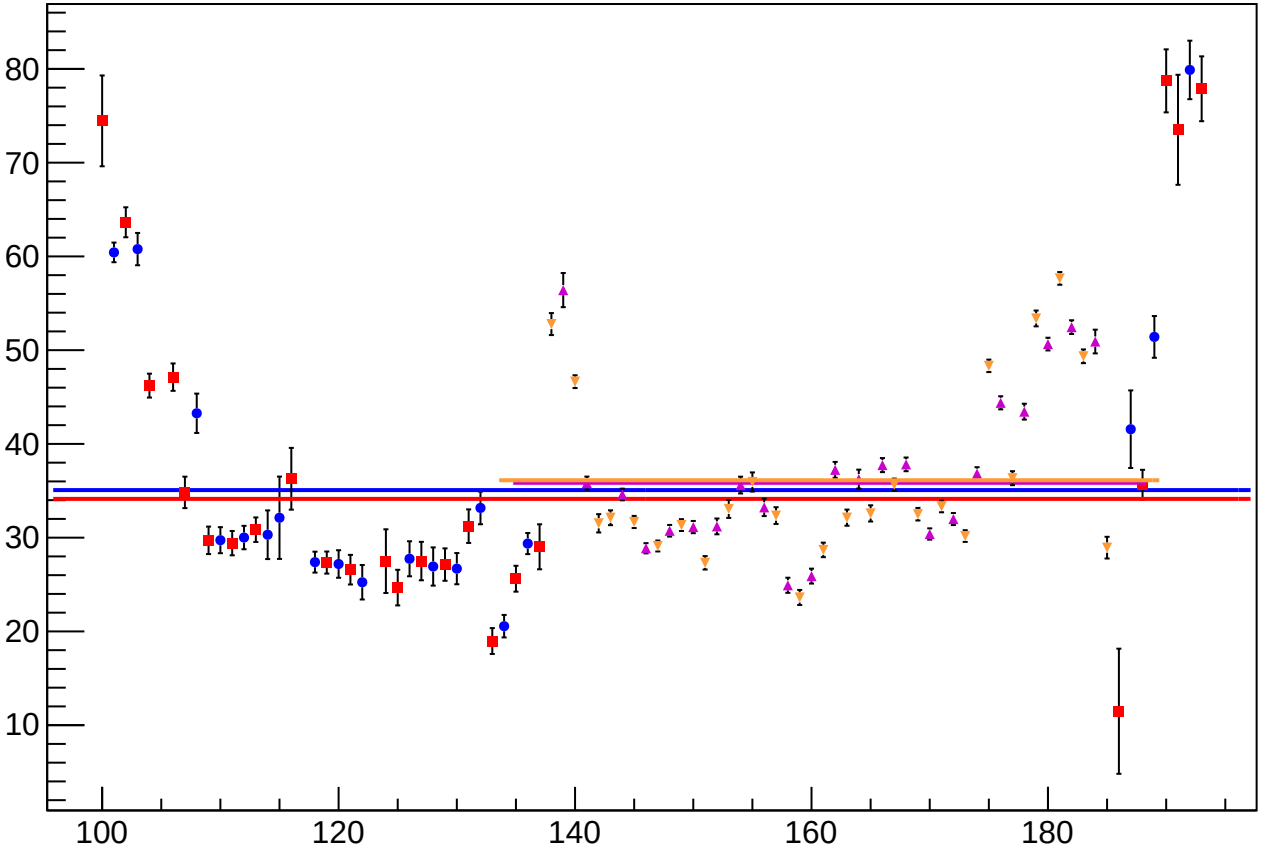
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -39.080+/-0.168 χ^2/NDF: 13640.8/43

All: -38.030+/-0.118 χ^2/NDF: 25935.9/90

- sign -36.993+/-0.167 χ^2/NDF: 12217.2/46

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: 34.137+/-0.358 χ^2/NDF: 1279.2/23

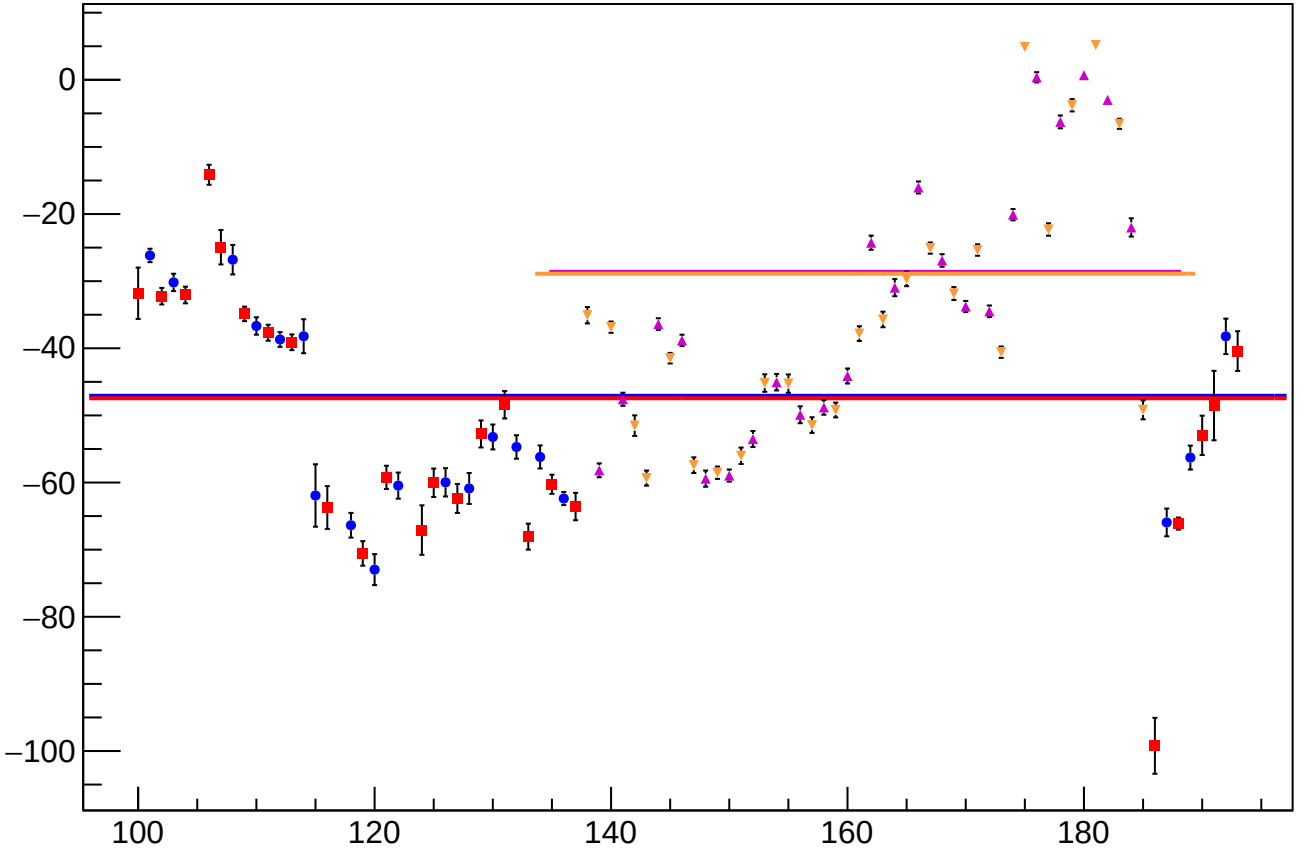
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 35.972+/-0.139 χ^2/NDF: 5022.1/43

All: 35.781+/-0.099 χ^2/NDF: 8618.1/90

- sign 35.581+/-0.142 χ^2/NDF: 3592.1/46

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: -47.443+/-0.342 χ^2/NDF: 2354.1/23

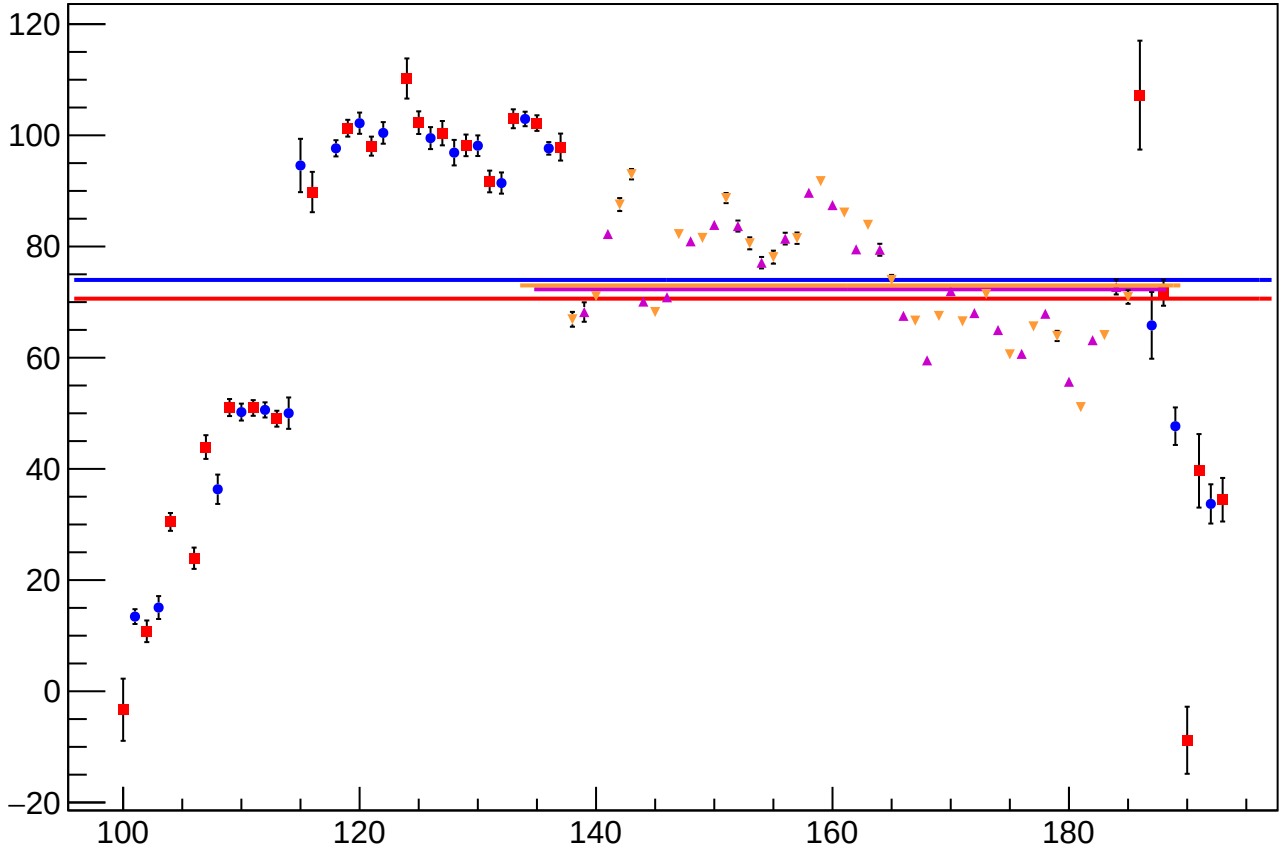
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -32.761+/-0.171 χ^2/NDF: 15309.2/43

All: -33.043+/-0.121 χ^2/NDF: 29957.1/90

- sign -33.326+/-0.171 χ^2/NDF: 14642.4/46

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: 70.623+/-0.414 χ^2/NDF: 5926.7/23

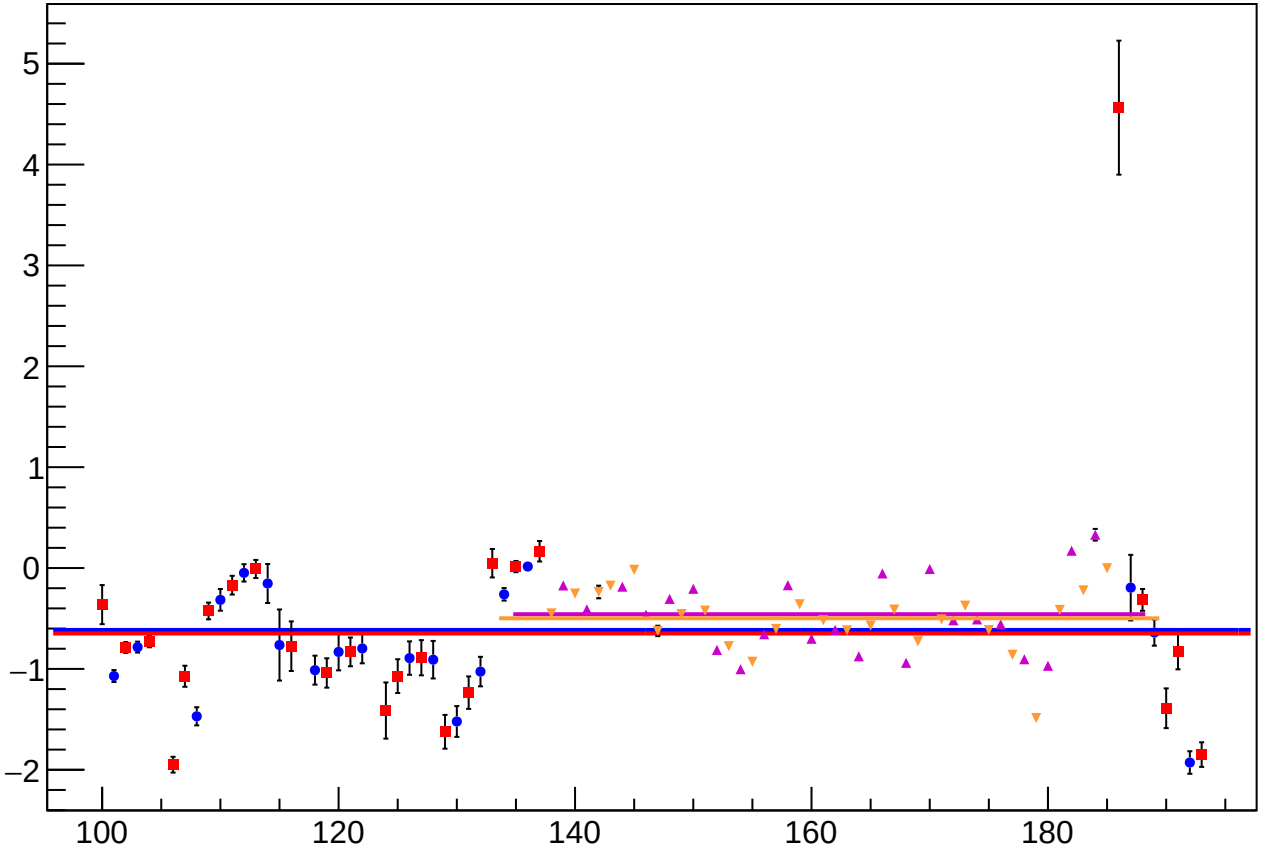
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 73.139+/-0.156 χ^2/NDF: 10084.3/43

All: 72.608+/-0.112 χ^2/NDF: 18961.2/90

- sign 72.052+/-0.160 χ^2/NDF: 8853.3/46

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: -0.649+/-0.021 χ^2/NDF: 875.2/23

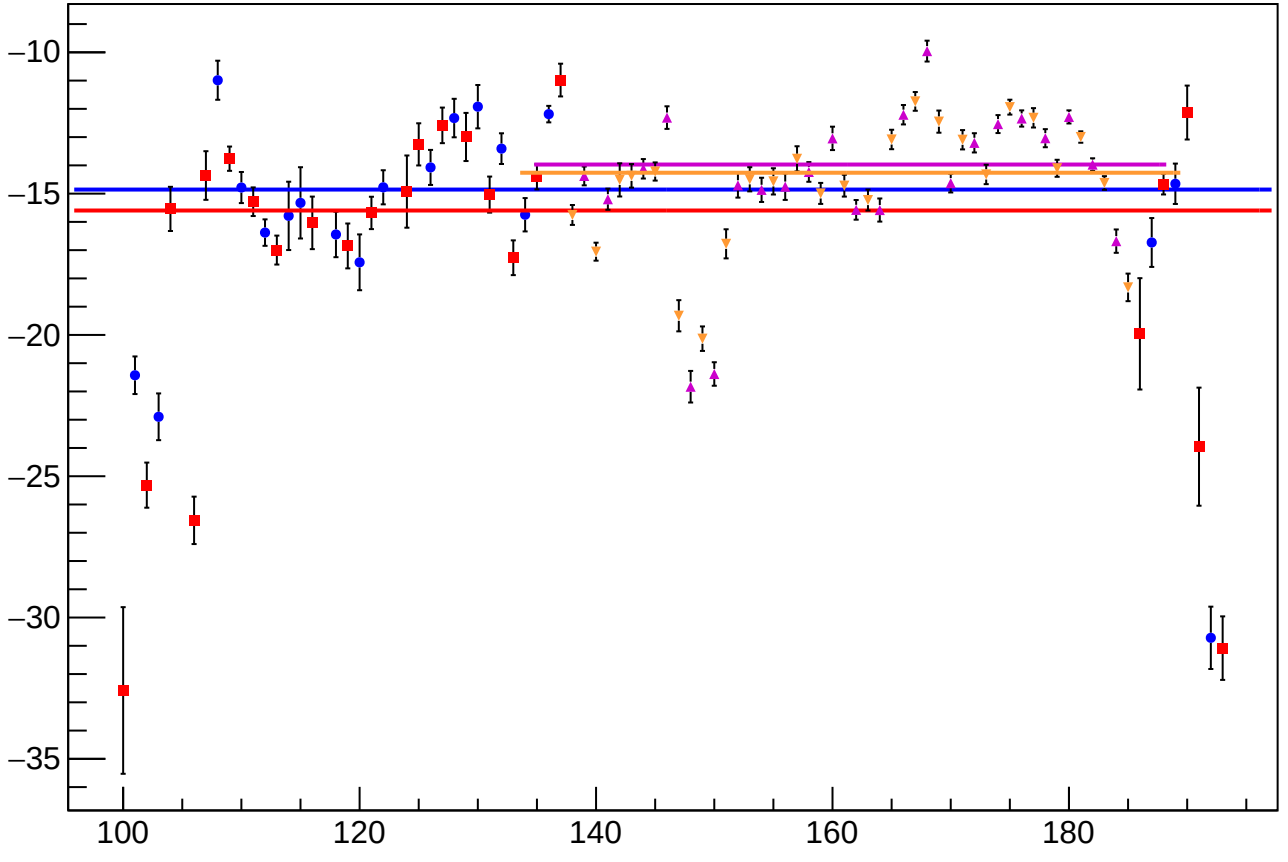
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.511+/-0.007 χ^2/NDF: 2147.0/43

All: -0.496+/-0.005 χ^2/NDF: 5207.3/90

- sign -0.480+/-0.007 χ^2/NDF: 3051.0/46

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: -15.597+/-0.136 χ^2/NDF: 734.7/23

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.375+/-0.063 χ^2/NDF: 1318.1/43

All: -14.351+/-0.045 χ^2/NDF: 3072.9/90

- sign -14.326+/-0.064 χ^2/NDF: 1754.5/46

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: -34.430+/-0.145 χ^2/NDF: 1946.1/23

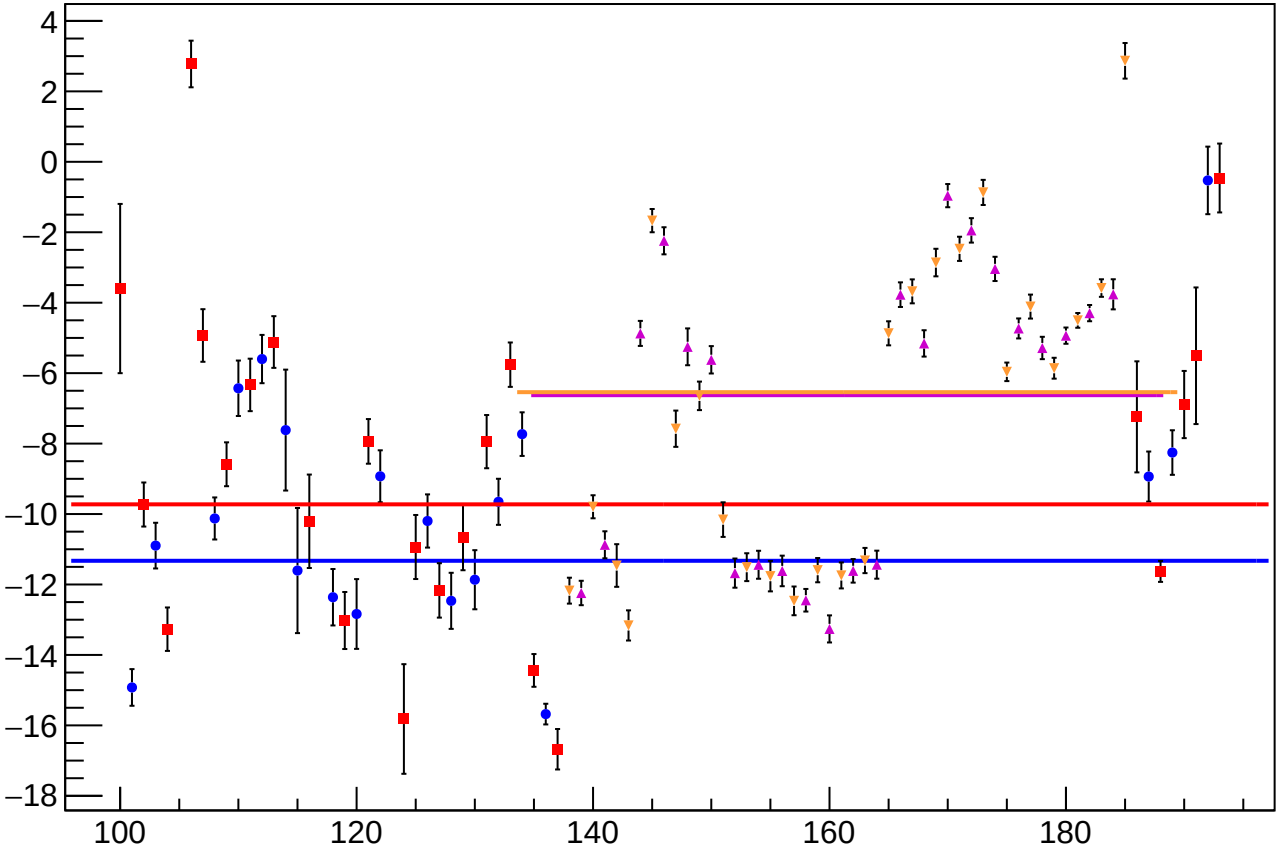
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.709+/-0.052 χ^2/NDF: 2828.5/43

All: -31.773+/-0.037 χ^2/NDF: 6361.9/90

- sign -31.841+/-0.053 χ^2/NDF: 3530.2/46

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: -9.725+/-0.140 χ^2/NDF: 995.2/23

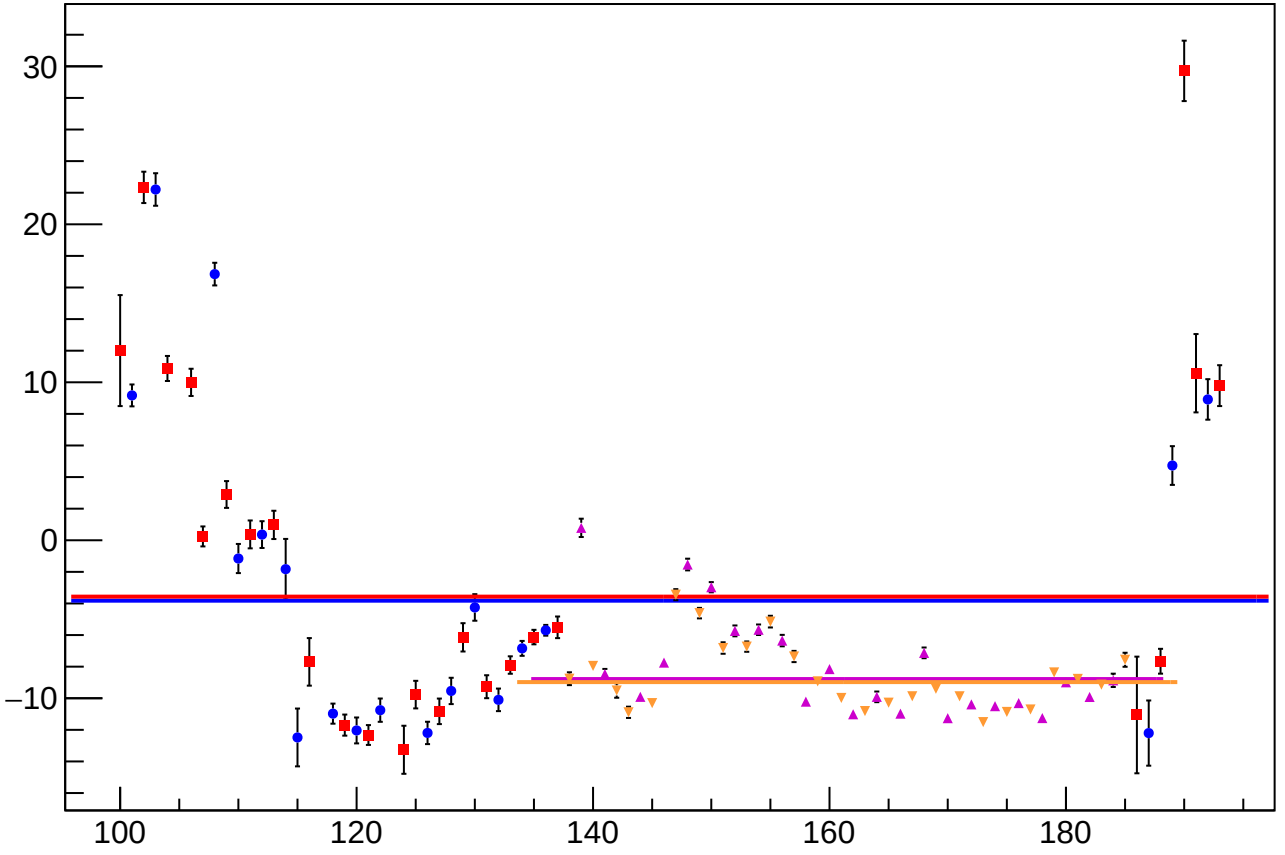
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.388+/-0.063 χ^2/NDF: 4689.4/43

All: -7.326+/-0.045 χ^2/NDF: 8982.1/90

- sign -7.263+/-0.064 χ^2/NDF: 4290.7/46

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: -3.568+/-0.169 χ^2/NDF: 2588.0/23

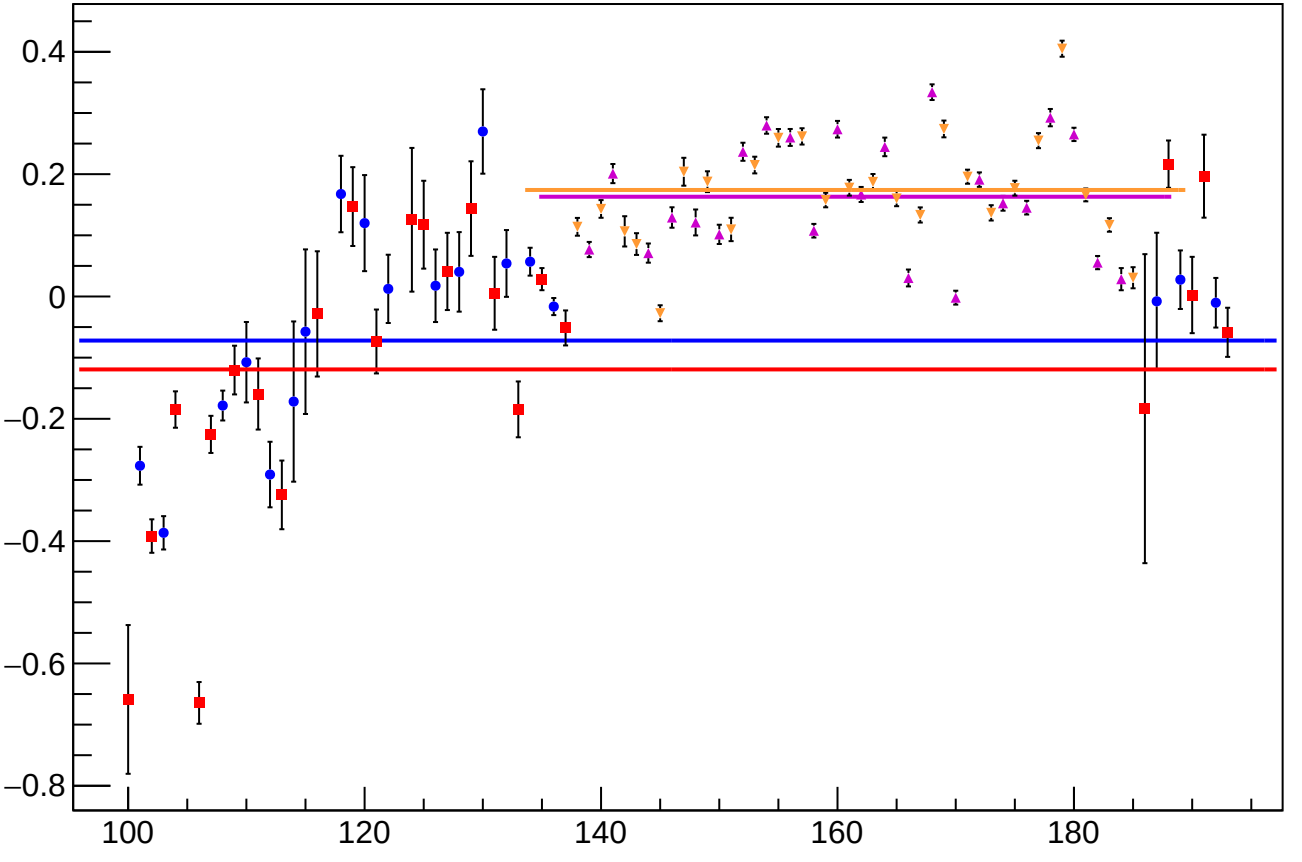
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

\+ sign -8.371+/-0.058 χ^2/NDF: 4492.8/43

All: -8.259+/-0.041 χ^2/NDF: 9608.5/90

\- sign -8.142+/-0.059 χ^2/NDF: 5108.1/46

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



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: -0.119+/-0.008 χ^2/NDF: 638.6/23

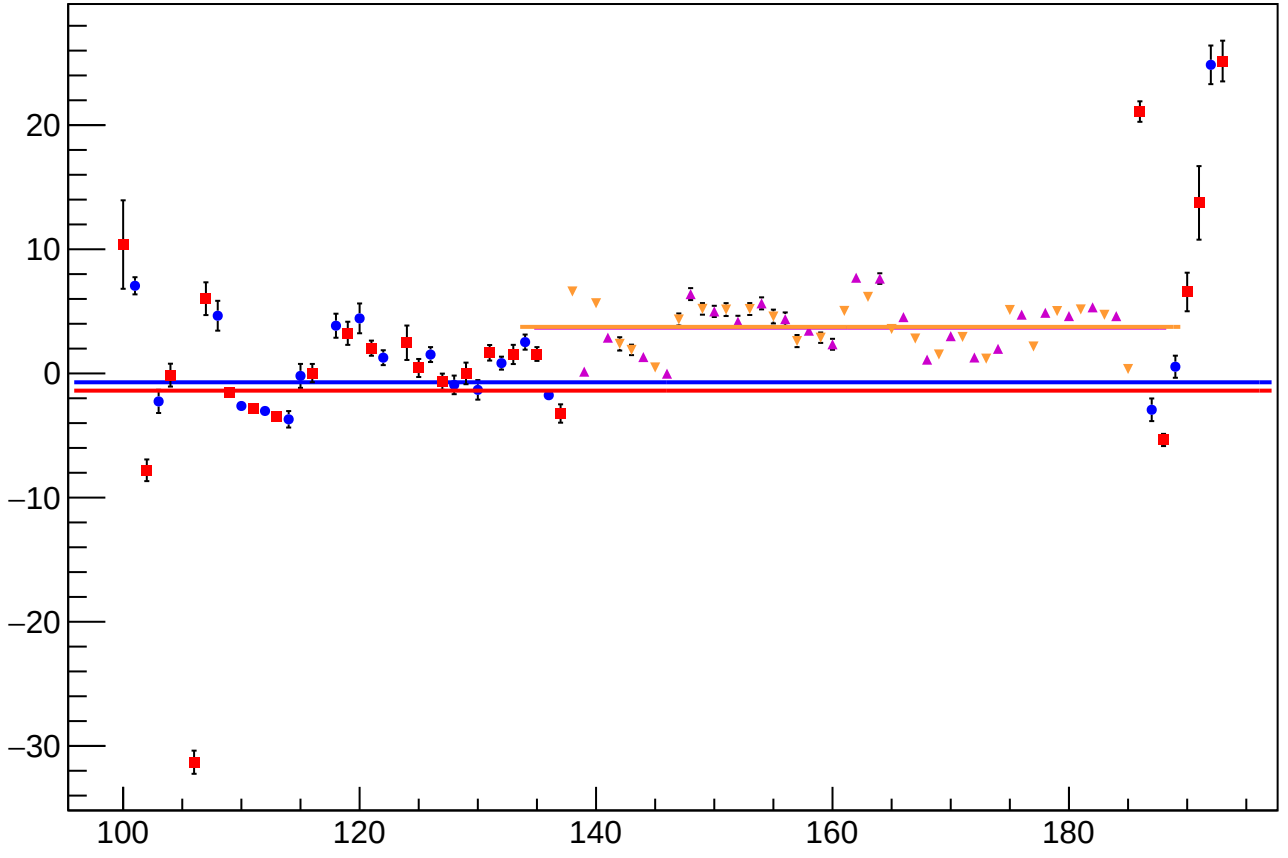
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.150+/-0.003 χ^2/NDF: 2054.8/43

All: 0.143+/-0.002 χ^2/NDF: 4905.7/90

- sign 0.136+/-0.003 χ^2/NDF: 2836.3/46

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: -1.385+/-0.122 χ^2/NDF: 2468.9/23

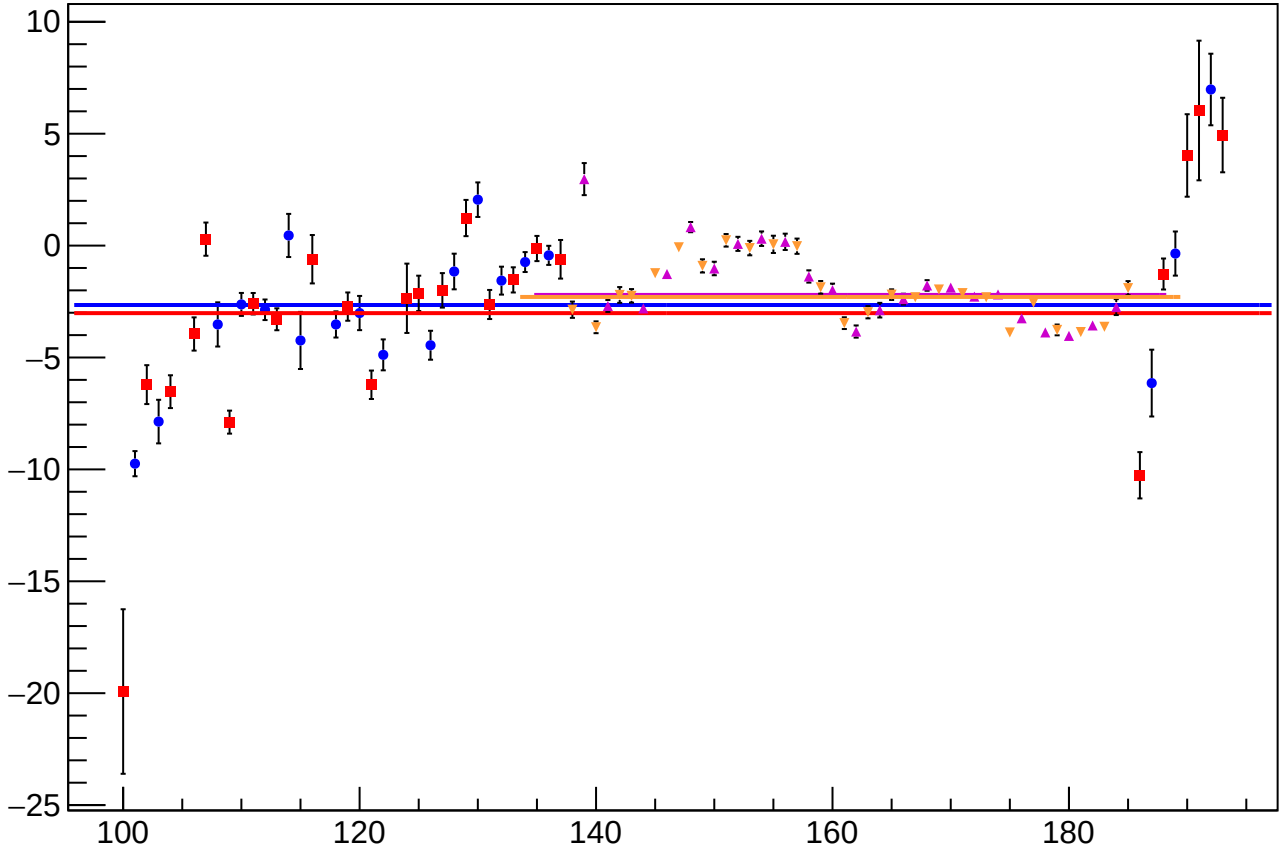
Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

\+ sign 2.955+/-0.056 χ^2/NDF: 2393.9/43

All: 2.776+/-0.040 χ^2/NDF: 7193.8/90

\- sign 2.596+/-0.057 χ^2/NDF: 4779.6/46

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: -3.018+/-0.151 χ^2/NDF: 373.9/23

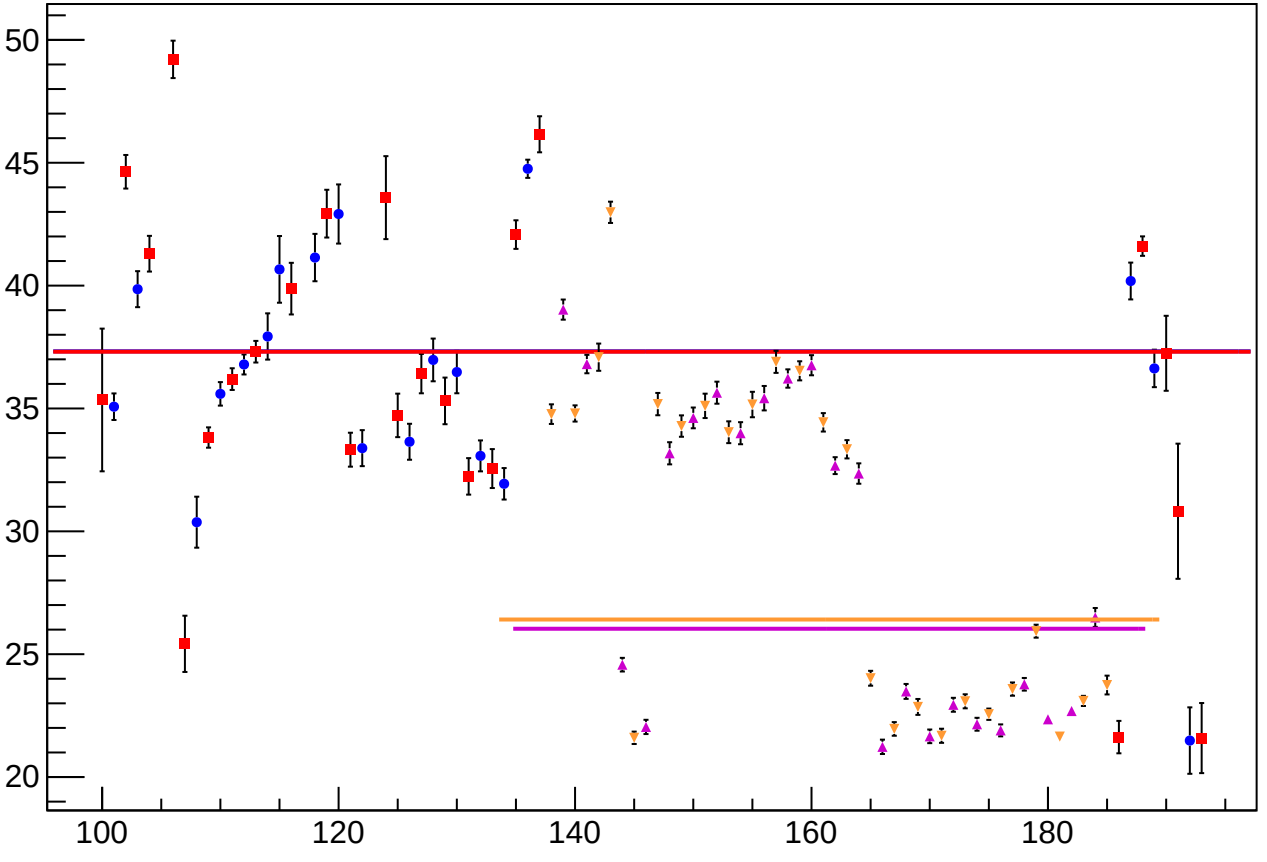
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.329+/-0.047 χ^2/NDF: 994.3/43

All: -2.308+/-0.034 χ^2/NDF: 2119.4/90

- sign -2.287+/-0.048 χ^2/NDF: 1124.8/46

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: 37.311+/-0.143 χ^2/NDF: 1781.0/23

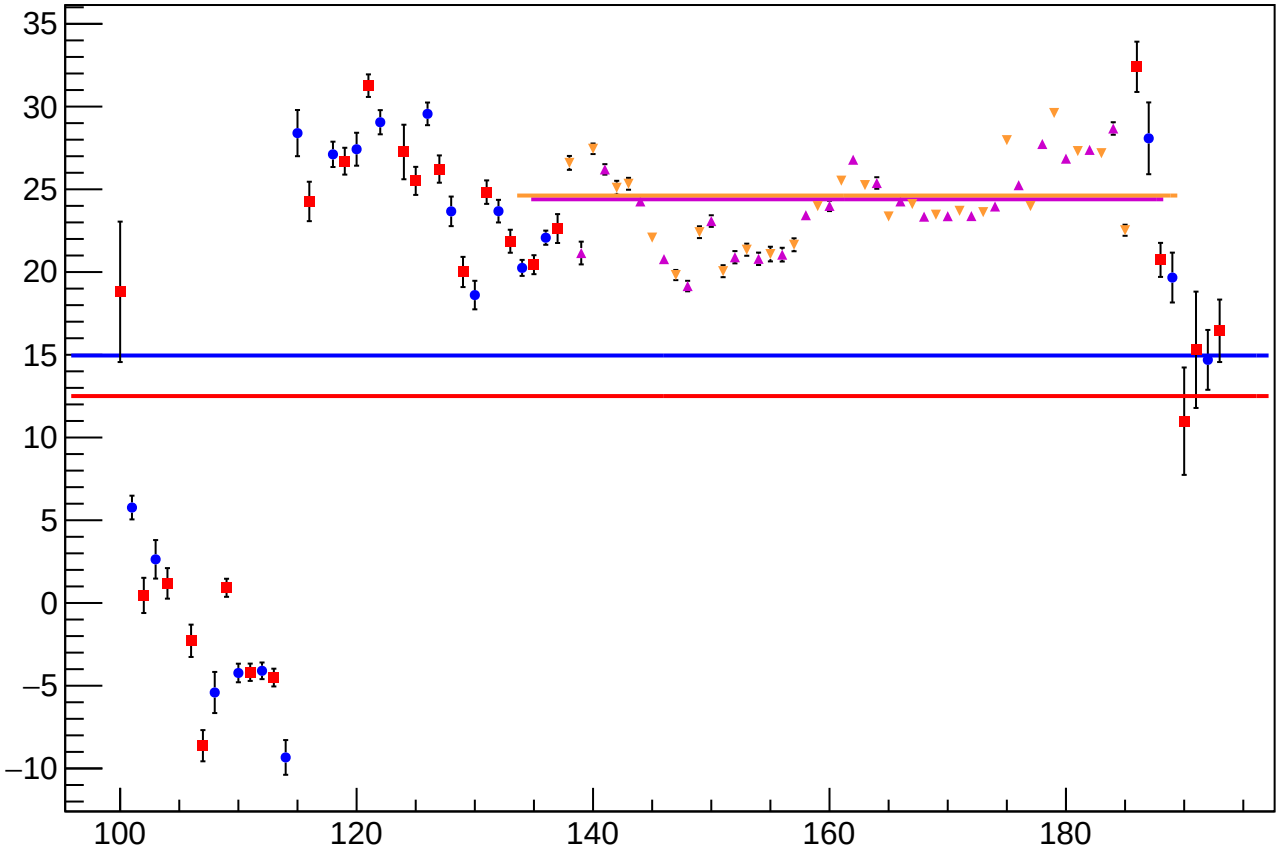
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.964+/-0.058 χ^2/NDF: 14451.5/43

All: 27.941+/-0.041 χ^2/NDF: 29274.2/90

- sign 27.917+/-0.058 χ^2/NDF: 14822.3/46

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: 12.505+/-0.172 χ^2/NDF: 6355.7/23

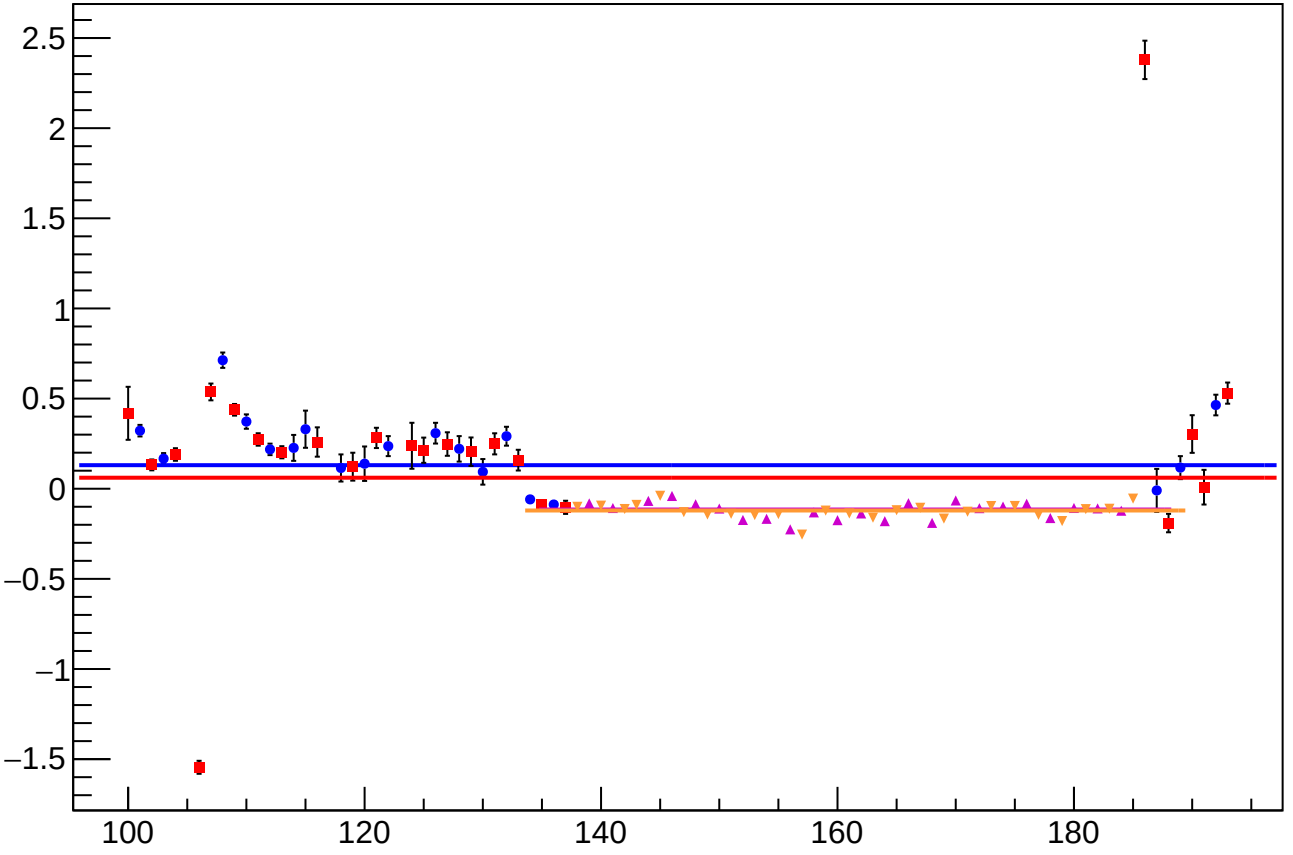
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.717+/-0.053 χ^2/NDF: 10566.5/43

All: 23.483+/-0.038 χ^2/NDF: 22995.7/90

- sign 23.240+/-0.054 χ^2/NDF: 12388.9/46

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: 0.061+/-0.009 χ^2/NDF: 2988.5/23

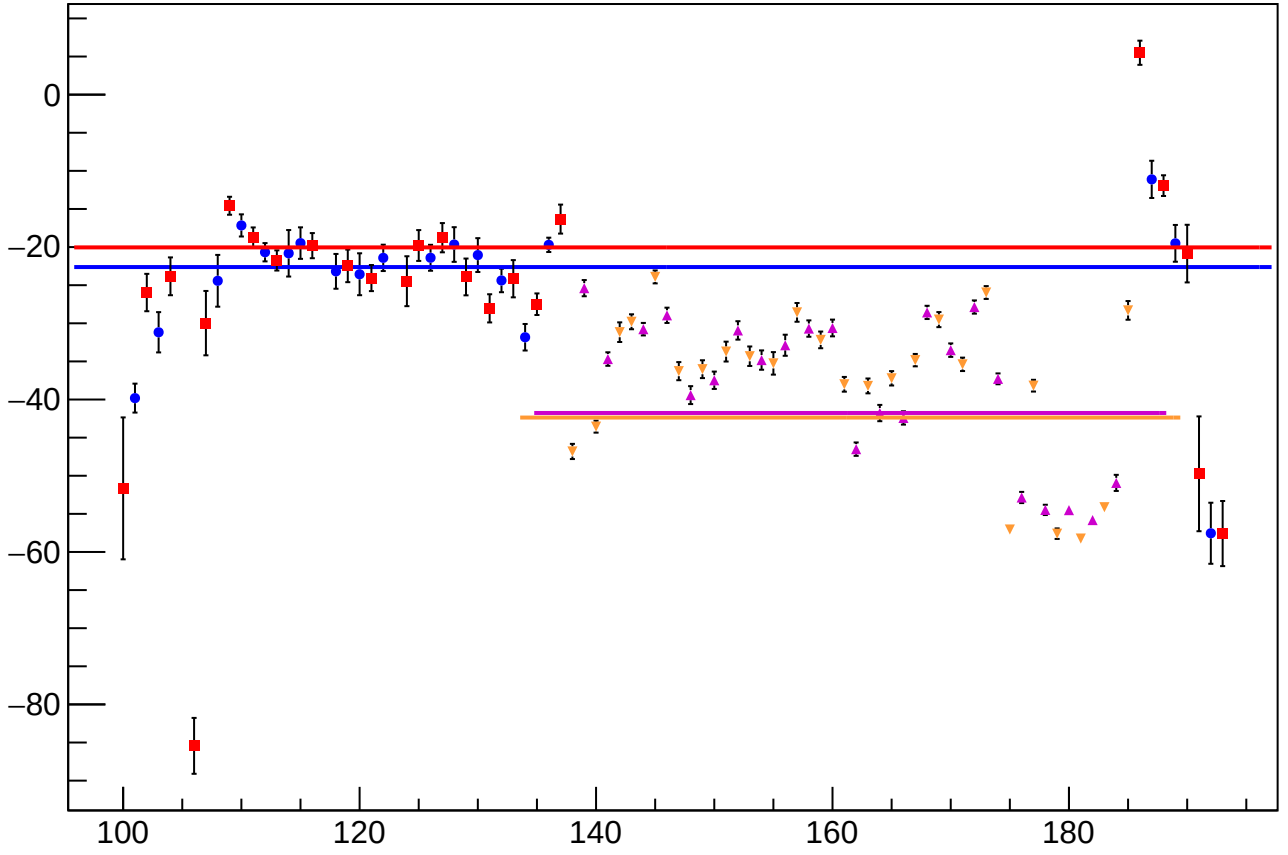
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

\+ sign -0.104+/-0.002 χ^2/NDF: 1521.3/43

All: -0.104+/-0.002 χ^2/NDF: 5132.1/90

\- sign -0.103+/-0.002 χ^2/NDF: 3610.8/46

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: -20.040+/-0.396 χ^2/NDF: 820.1/23

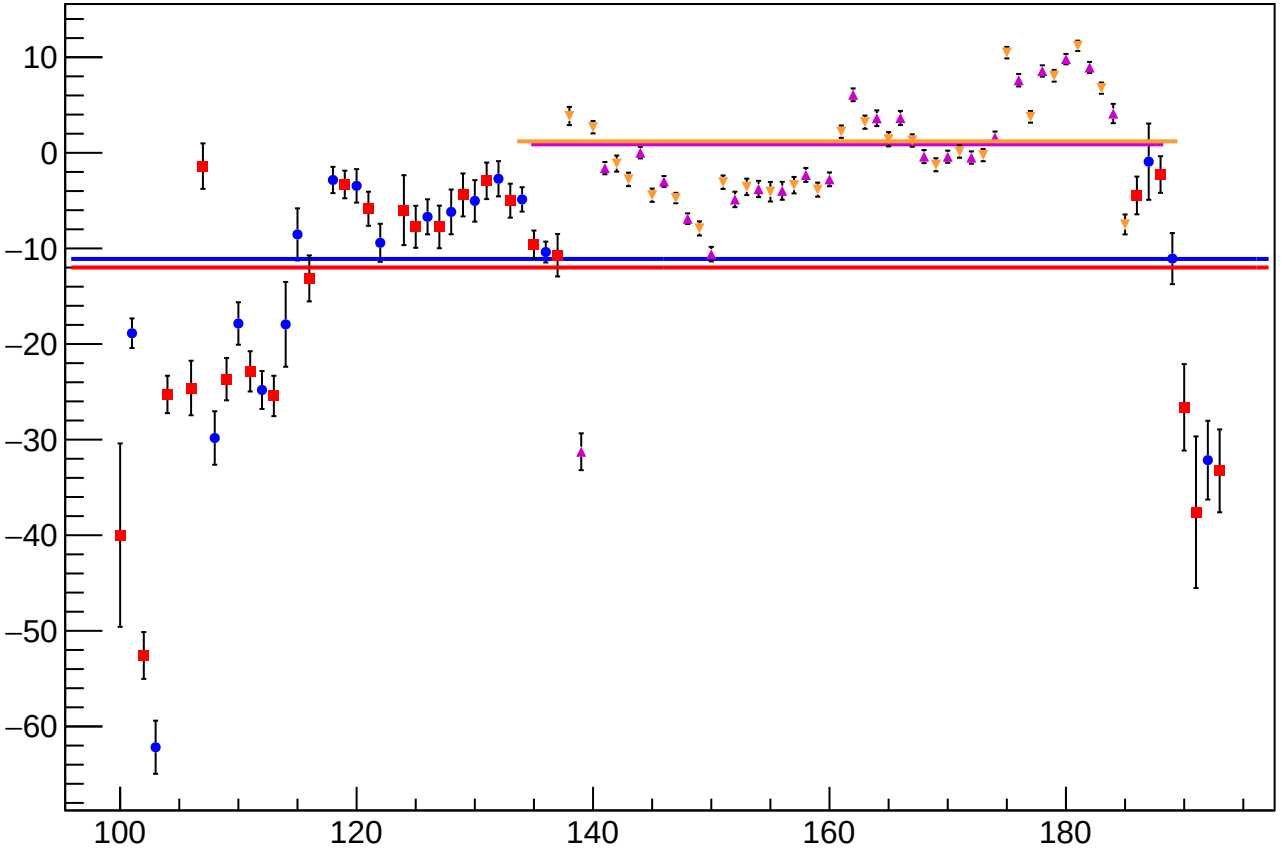
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.426+/-0.162 χ^2/NDF: 6622.3/43

All: -38.725+/-0.116 χ^2/NDF: 13421.1/90

- sign -37.993+/-0.165 χ^2/NDF: 6760.3/46

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: -11.994+/-0.449 χ^2/NDF: 658.8/23

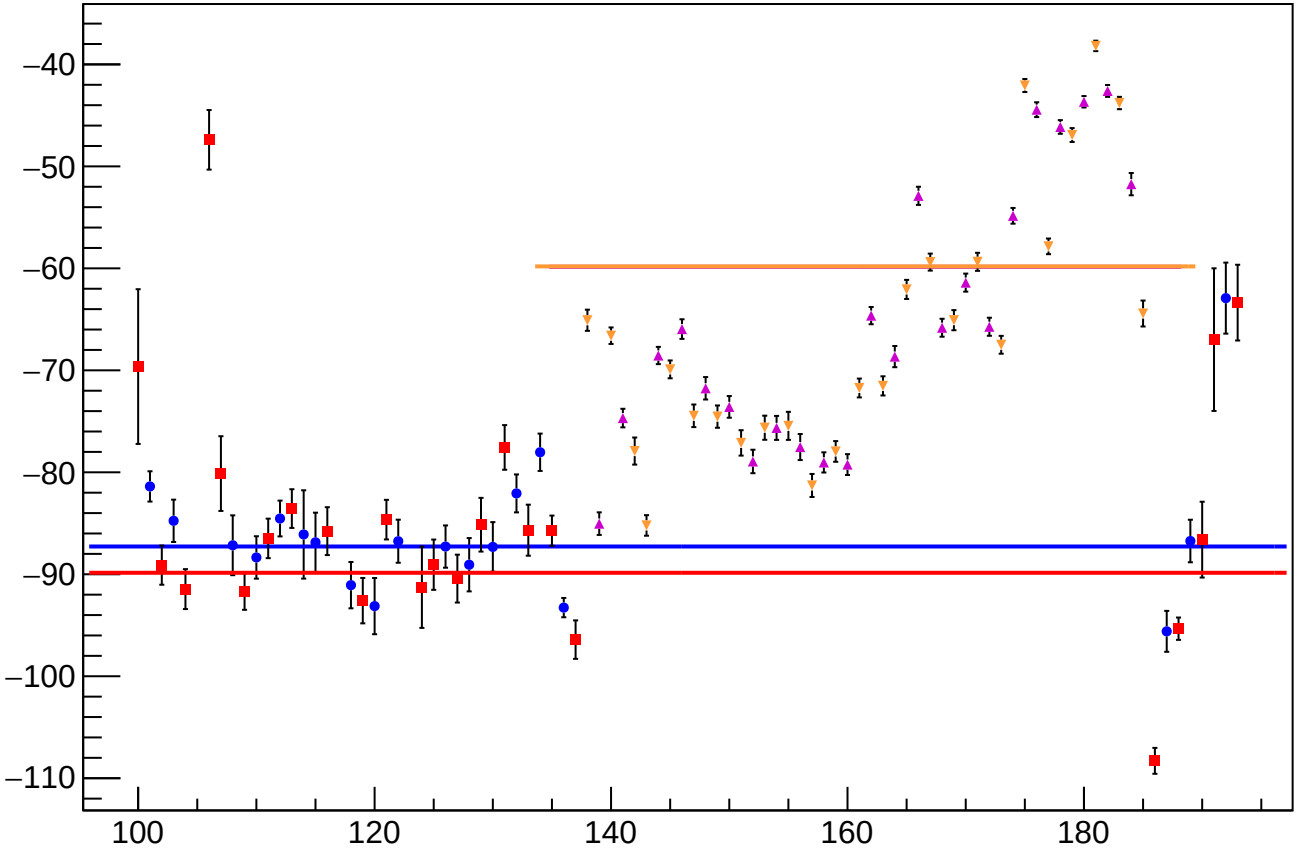
Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign 0.106+/-0.132 χ^2/NDF: 2790.6/43

All: -0.089+/-0.095 χ^2/NDF: 5966.3/90

- sign -0.298+/-0.136 χ^2/NDF: 3171.1/46

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: -89.853+/-0.425 χ^2/NDF: 608.6/23

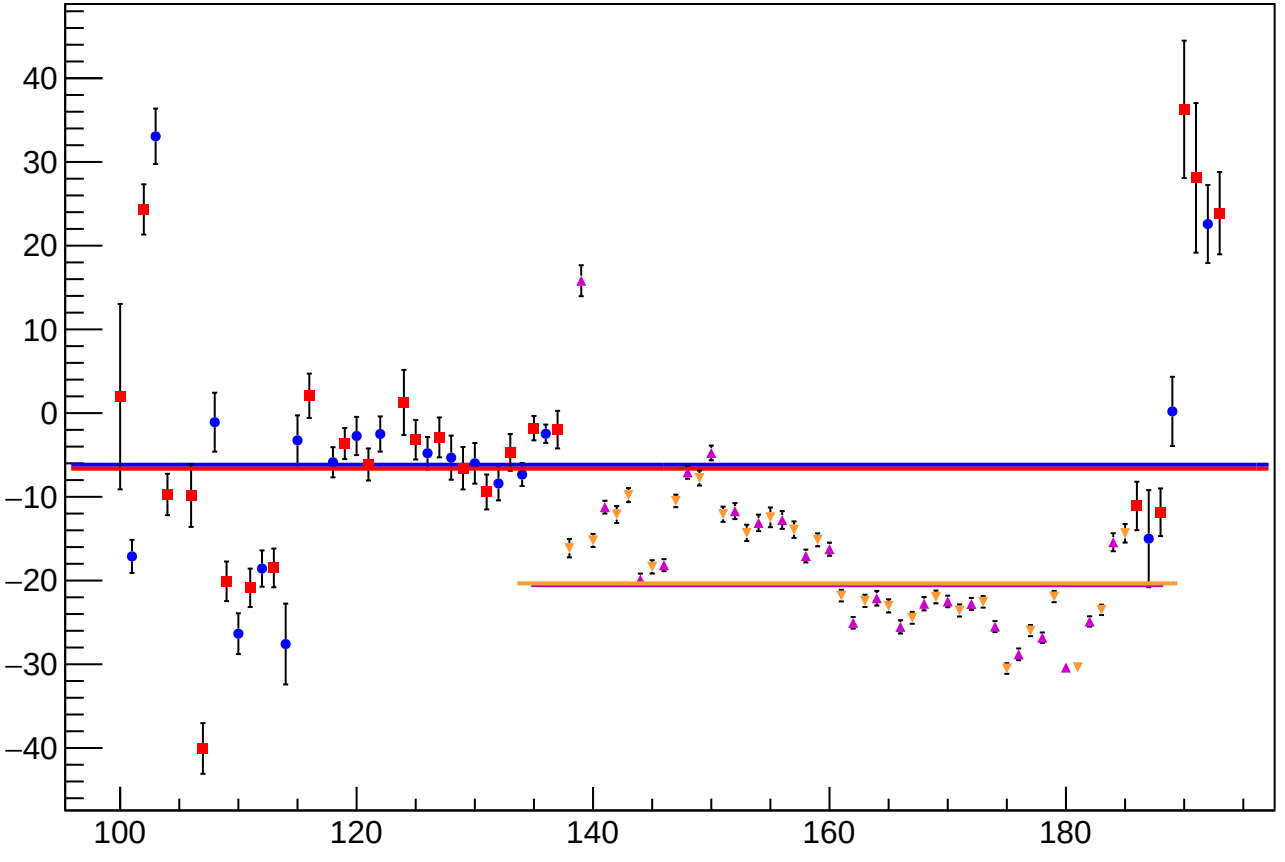
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.398+/-0.163 χ^2/NDF: 10019.9/43

All: -63.913+/-0.117 χ^2/NDF: 20394.8/90

- sign -64.448+/-0.167 χ^2/NDF: 10354.7/46

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: -6.638+/-0.518 χ^2/NDF: 455.5/23

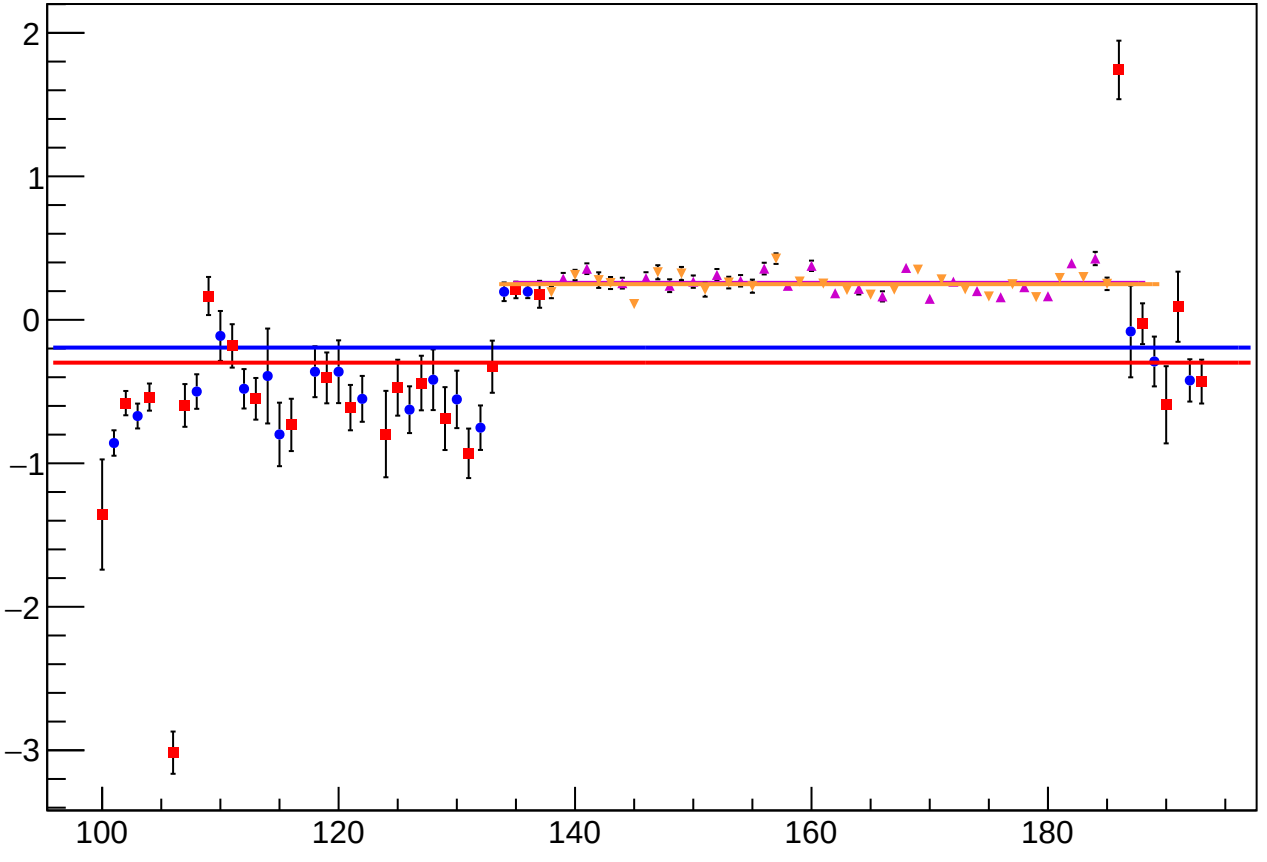
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -19.099+/-0.148 χ^2/NDF: 2793.7/43

All: -19.221+/-0.106 χ^2/NDF: 6102.5/90

- sign -19.351+/-0.153 χ^2/NDF: 3307.4/46

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: -0.298+/-0.028 χ^2/NDF: 627.7/23

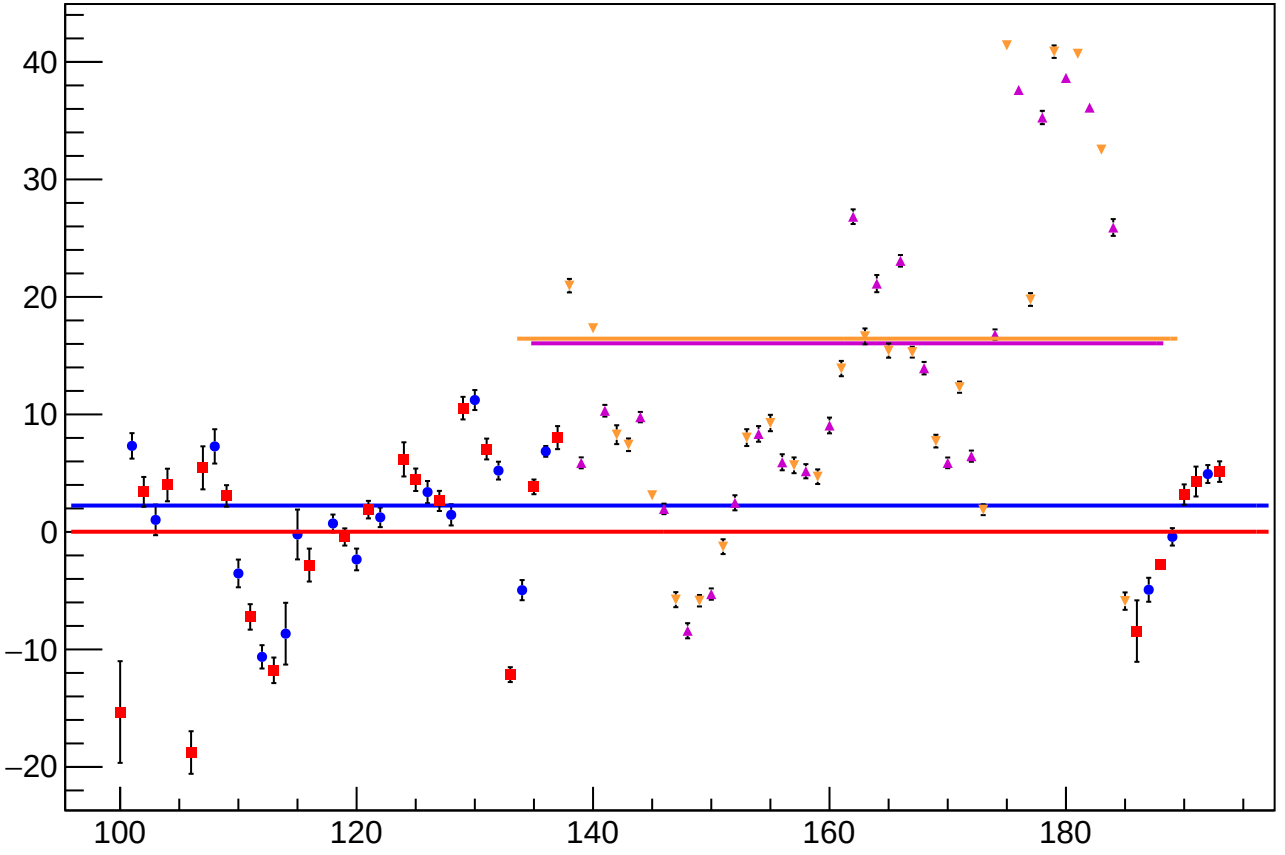
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.219+/-0.007 χ^2/NDF: 614.1/43

All: 0.221+/-0.005 χ^2/NDF: 1756.2/90

- sign 0.223+/-0.007 χ^2/NDF: 1141.9/46

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: 0.017+/-0.180 χ^2/NDF: 1156.5/23

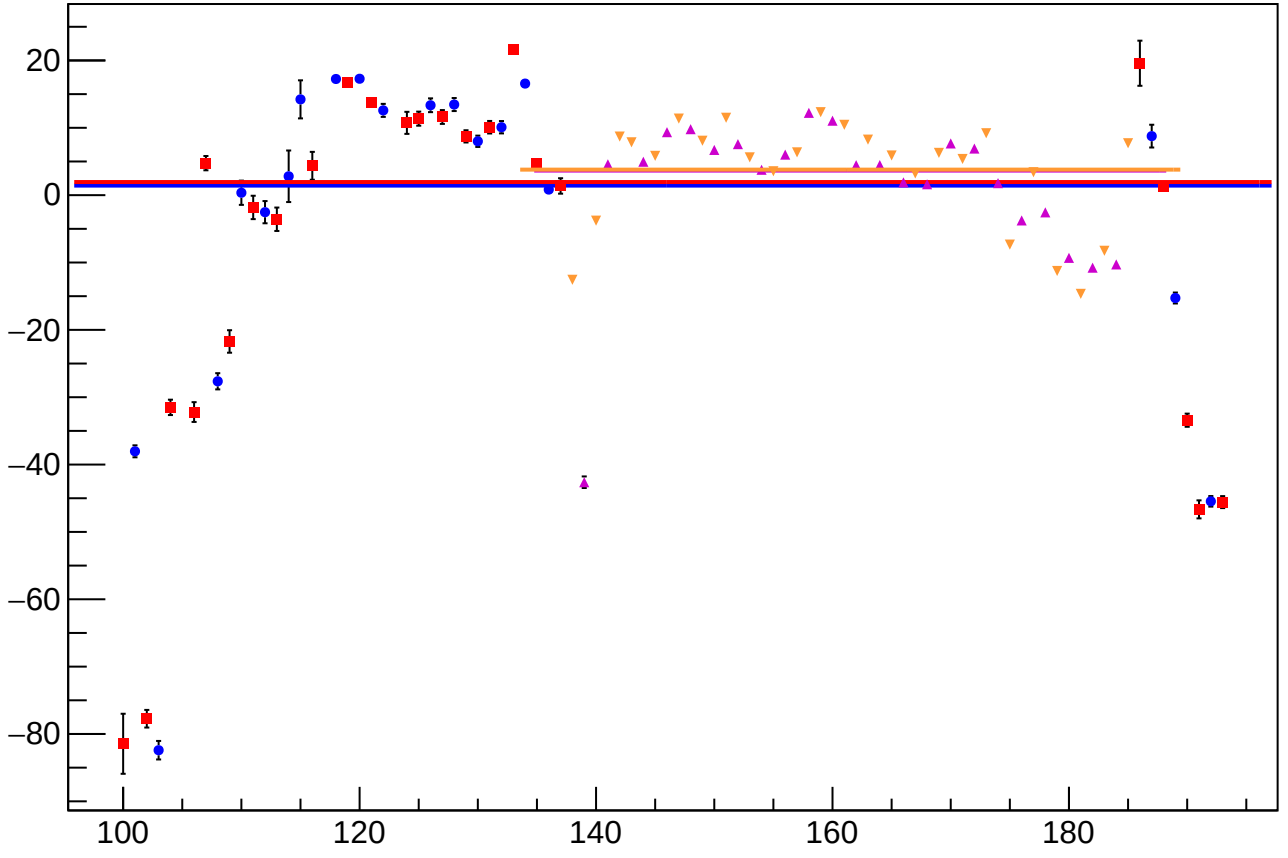
Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 13.483+/-0.093 χ^2/NDF: 25945.1/43

All: 12.672+/-0.065 χ^2/NDF: 50714.9/90

- sign 11.866+/-0.092 χ^2/NDF: 24616.7/46

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



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: 1.948+/-0.185 χ^2/NDF: 14587.2/23

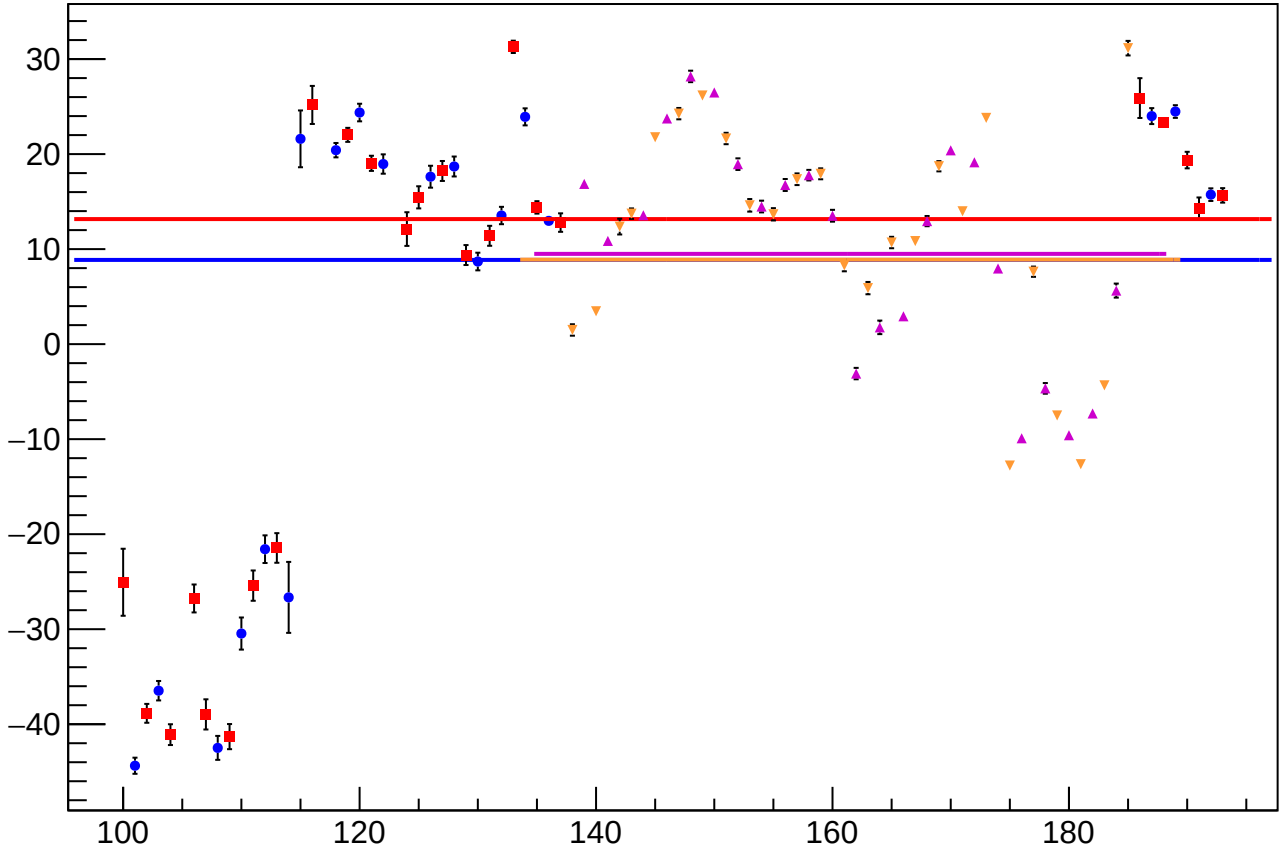
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 3.449+/-0.074 χ^2/NDF: 22597.4/43

All: 3.408+/-0.053 χ^2/NDF: 45566.2/90

- sign 3.364+/-0.076 χ^2/NDF: 22968.2/46

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: 13.161+/-0.176 χ^2/NDF: 12187.7/23

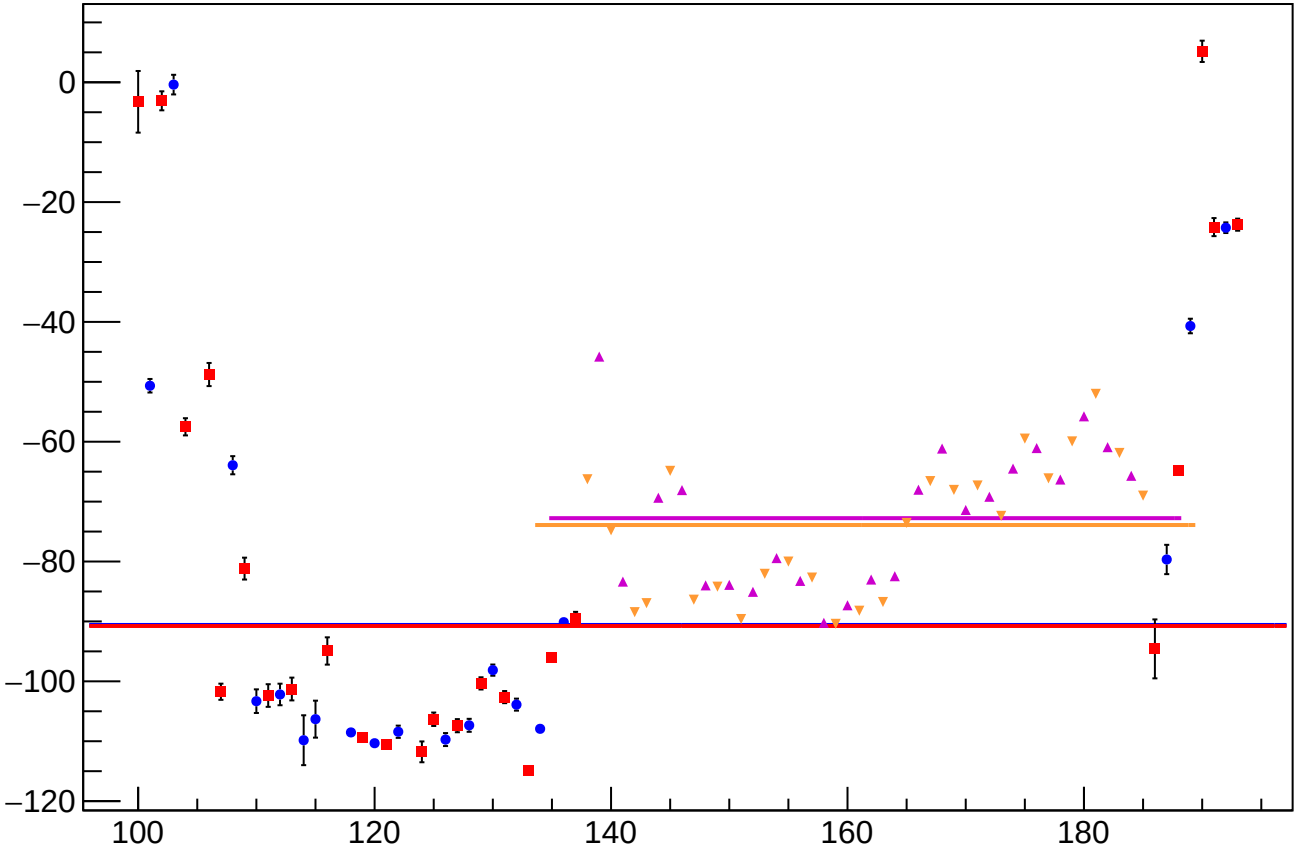
Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 8.886+/-0.093 χ^2/NDF: 26200.0/43

All: 9.694+/-0.065 χ^2/NDF: 51894.0/90

- sign 10.478+/-0.091 χ^2/NDF: 25544.1/46

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



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: -90.761+/-0.220 χ^2/NDF: 19059.1/23

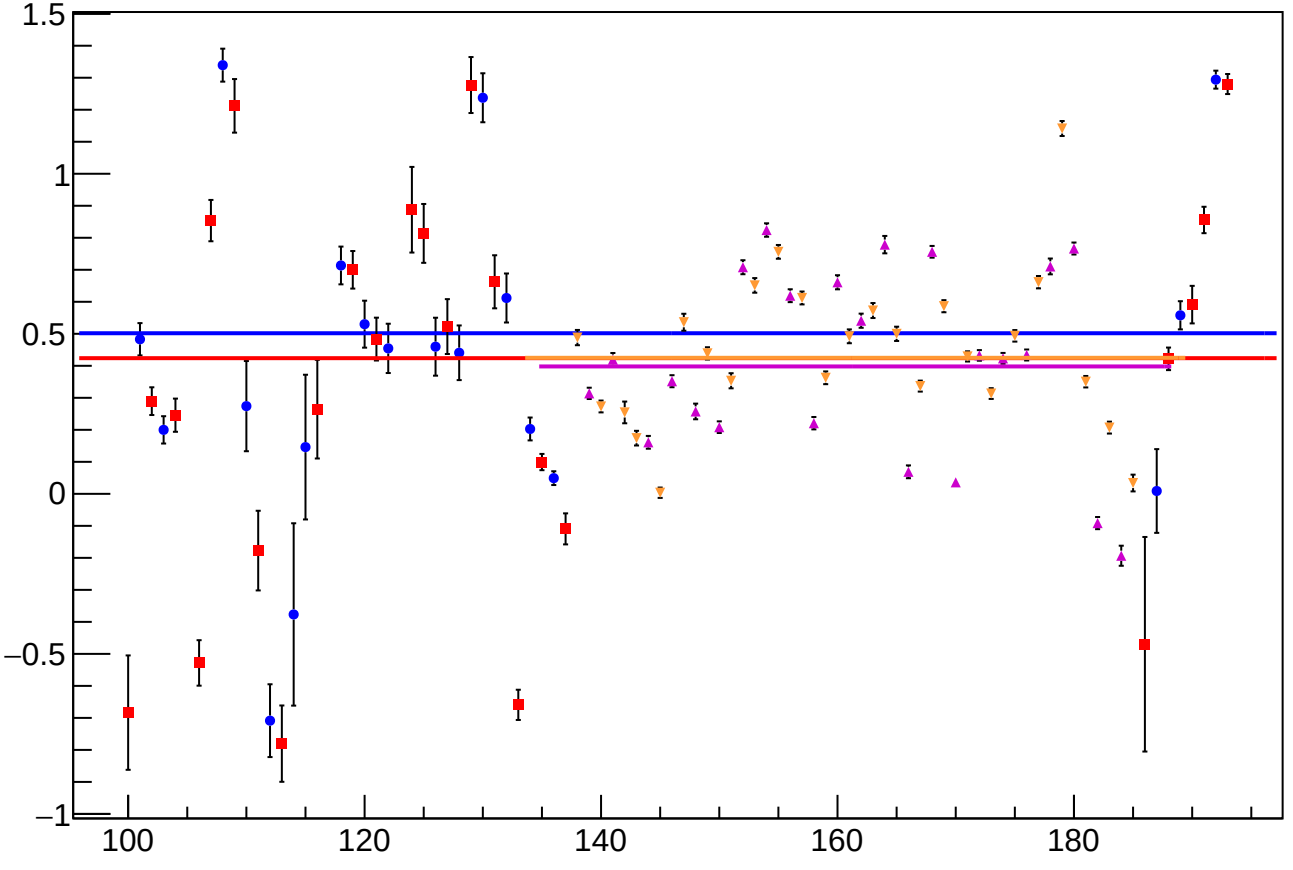
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -76.175+/-0.084 χ^2/NDF: 35454.4/43

All: -75.845+/-0.060 χ^2/NDF: 72811.3/90

- sign -75.499+/-0.086 χ^2/NDF: 37325.4/46

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: 0.424+/-0.011 χ^2/NDF: 2339.4/23

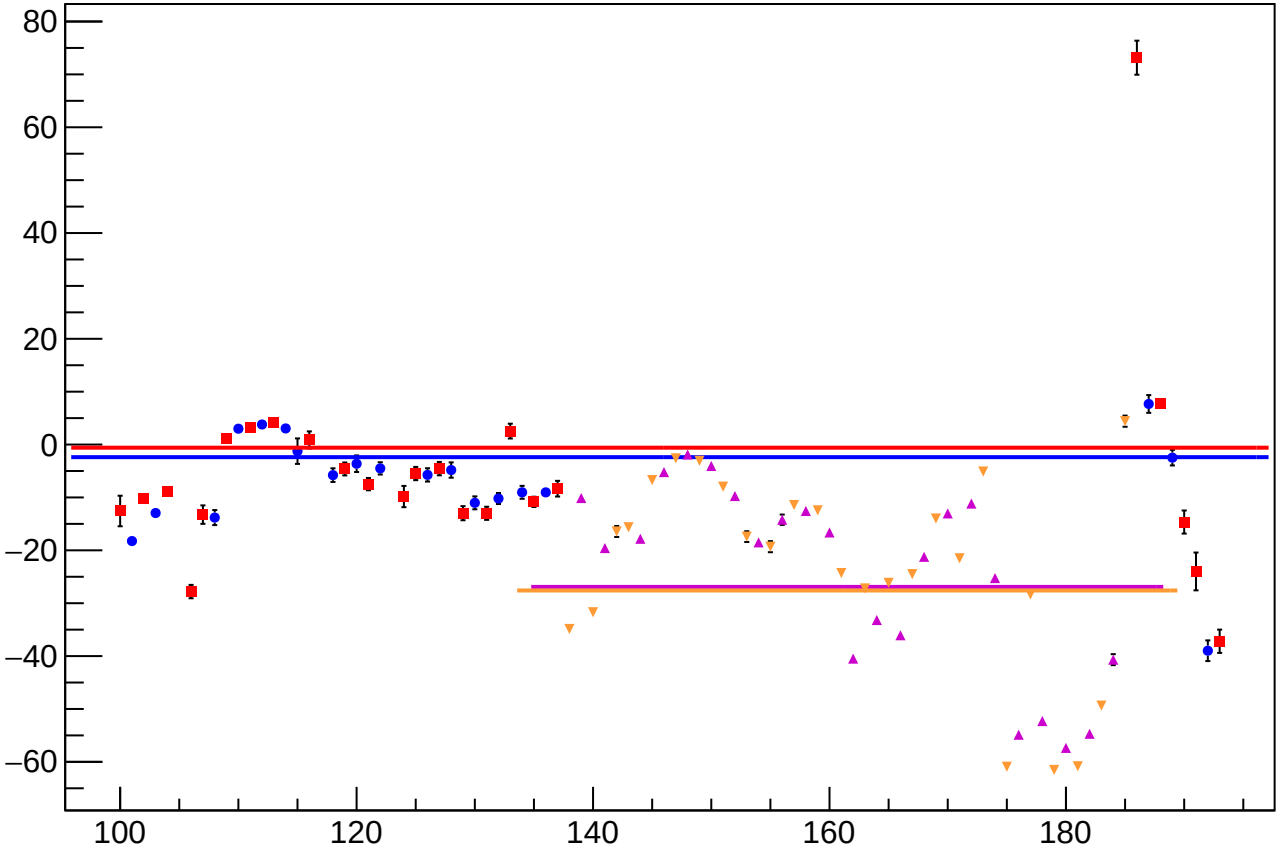
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.433+/-0.004 χ^2/NDF: 4951.0/43

All: 0.417+/-0.003 χ^2/NDF: 11601.4/90

- sign 0.401+/-0.004 χ^2/NDF: 6615.0/46

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: -0.591+/-0.165 χ^2/NDF: 2470.4/23

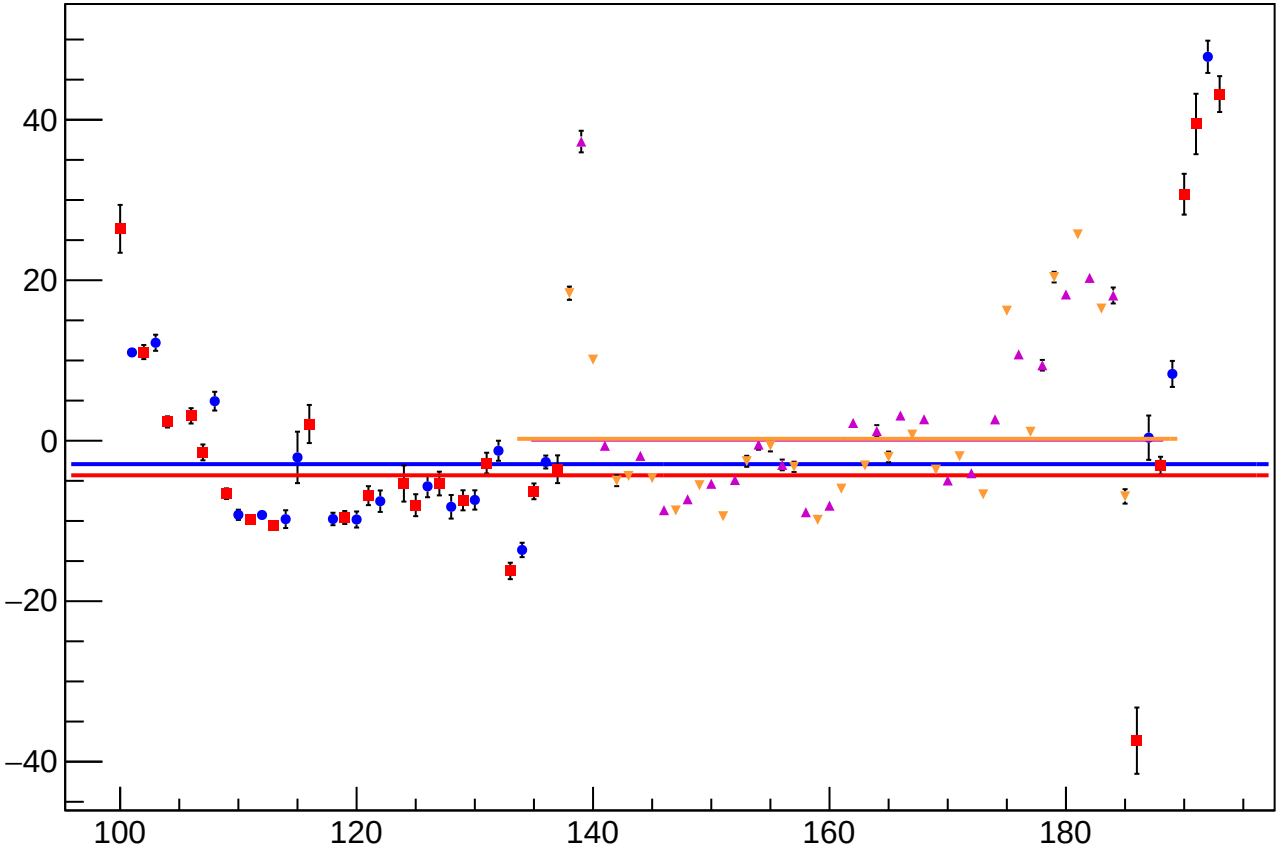
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

\+ sign -18.264+/-0.115 χ^2/NDF: 32935.7/43

All: -16.616+/-0.080 χ^2/NDF: 65345.9/90

\- sign -15.077+/-0.111 χ^2/NDF: 32009.8/46

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -2.921+/-0.221 χ^2/NDF: 2128.0/18

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

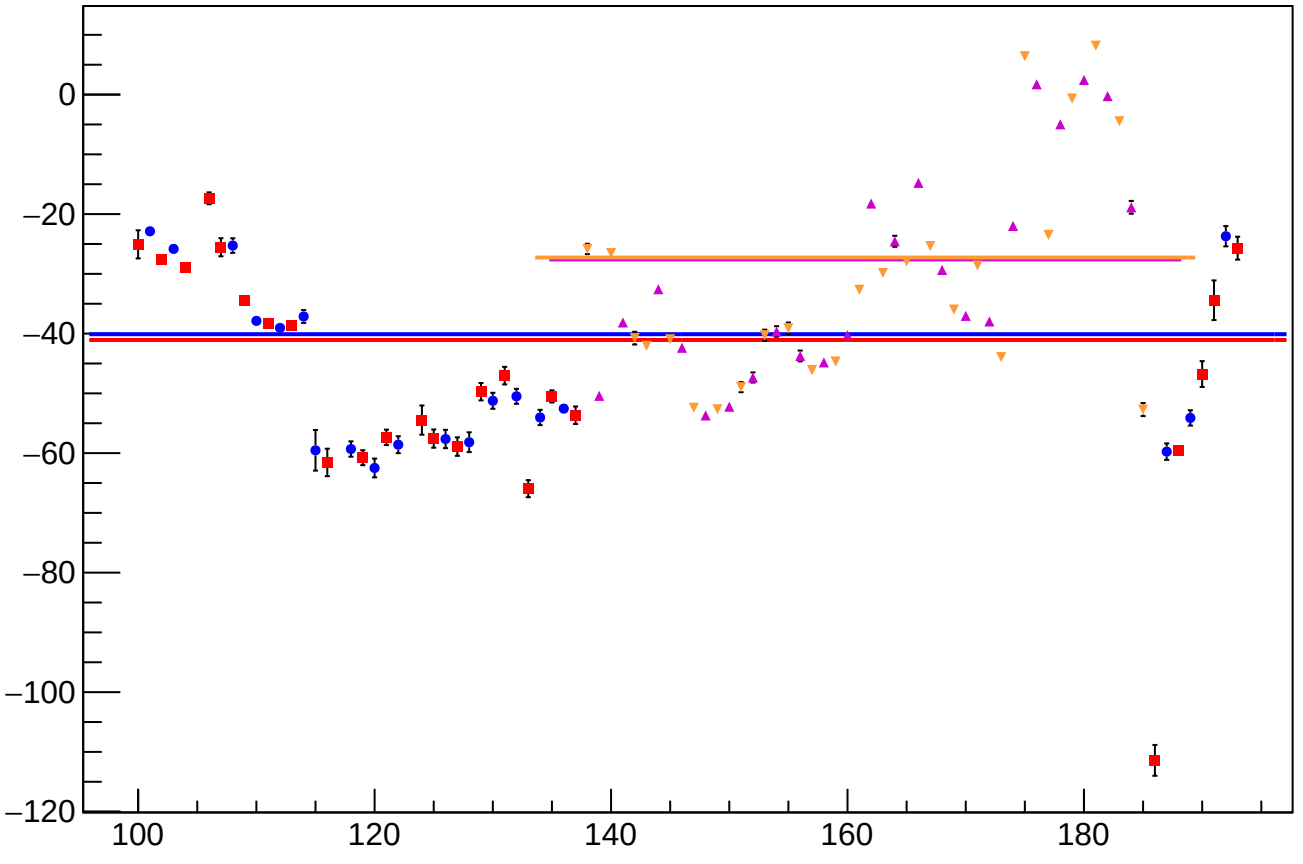
Right Out: -4.310+/-0.212 χ^2/NDF: 1836.2/23

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign -0.390+/-0.099 χ^2/NDF: 10326.7/43

All: -0.625+/-0.071 χ^2/NDF: 18351.2/90

- sign -0.870+/-0.101 χ^2/NDF: 8012.9/46



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: -41.062+/-0.198 χ^2/NDF: 4606.6/23

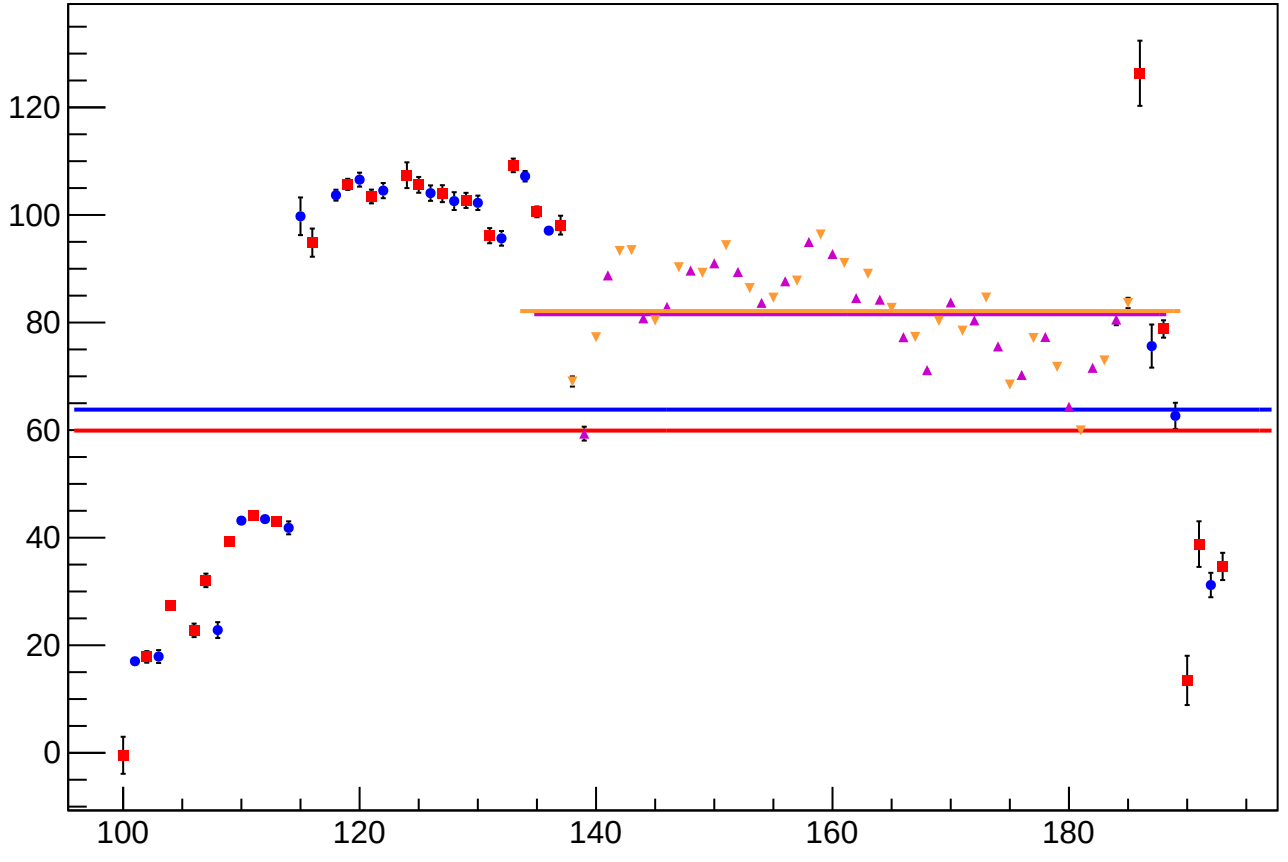
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.178+/-0.120 χ^2/NDF: 24329.0/43

All: -31.803+/-0.084 χ^2/NDF: 47603.2/90

- sign -32.415+/-0.119 χ^2/NDF: 23220.5/46

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: 59.913+/-0.244 χ^2/NDF: 17915.4/23

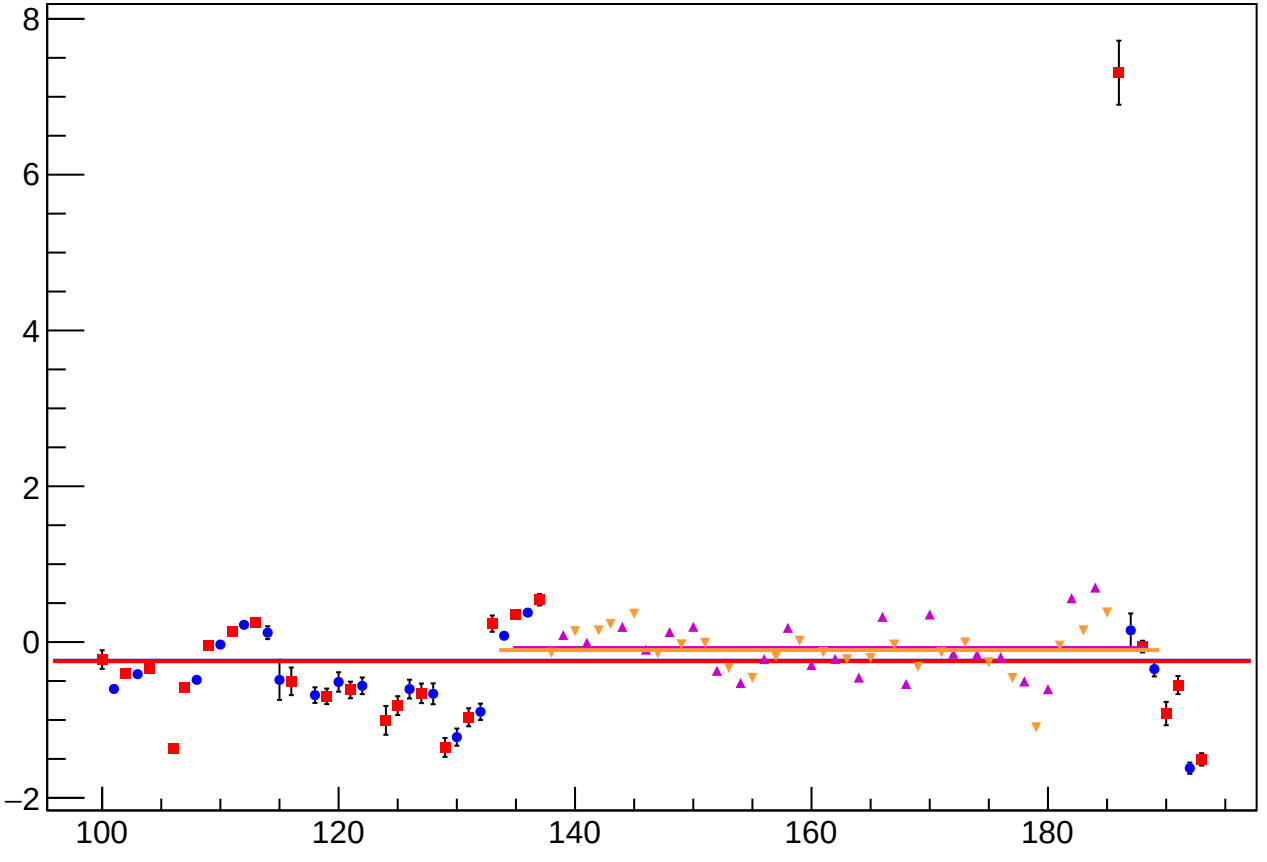
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.572+/-0.112 χ^2/NDF: 28381.8/43

All: 77.706+/-0.080 χ^2/NDF: 56612.6/90

- sign 76.809+/-0.114 χ^2/NDF: 28109.2/46

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: -0.246+/-0.012 χ^2/NDF: 2000.3/23

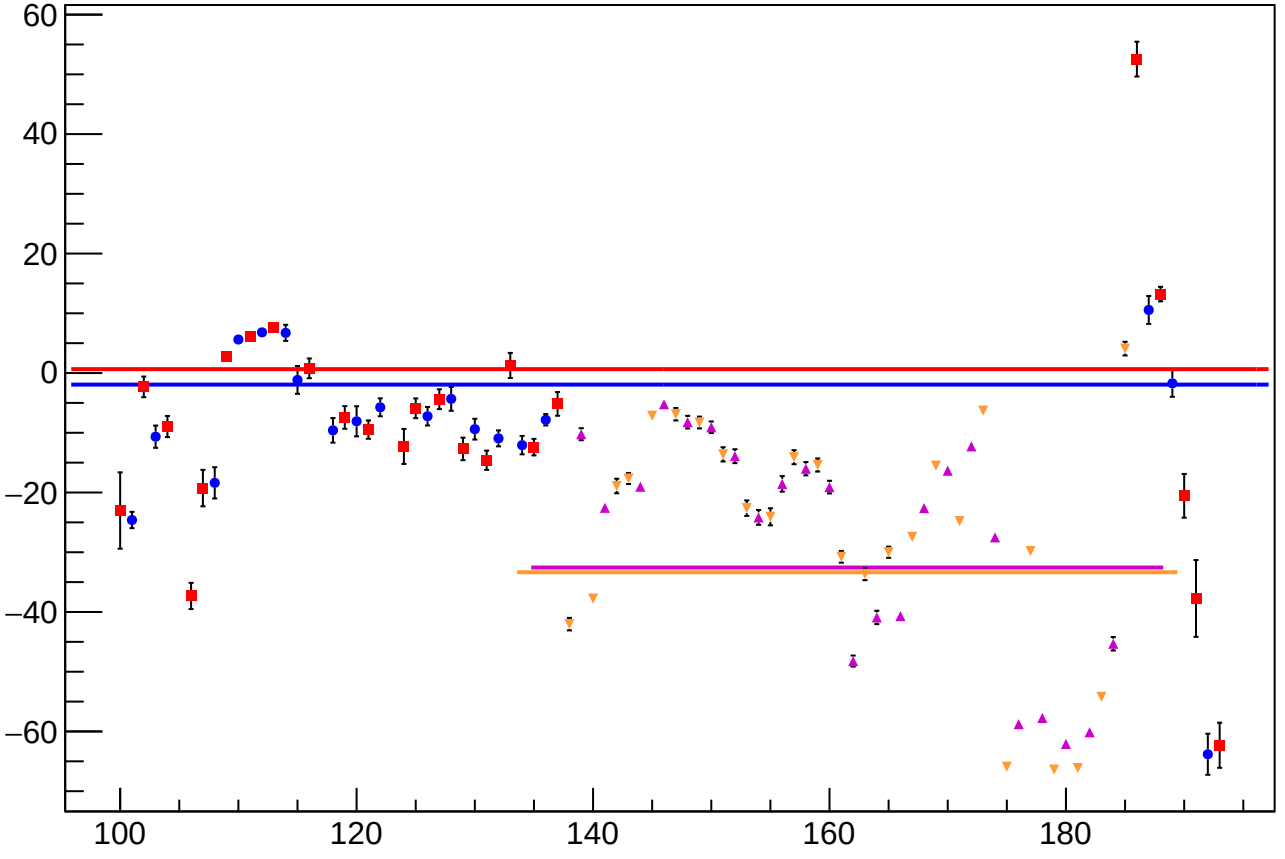
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.124+/-0.005 χ^2/NDF: 3803.7/43

All: -0.116+/-0.004 χ^2/NDF: 9282.6/90

- sign -0.106+/-0.005 χ^2/NDF: 5472.8/46

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: 0.649+/-0.272 χ^2/NDF: 1705.3/23

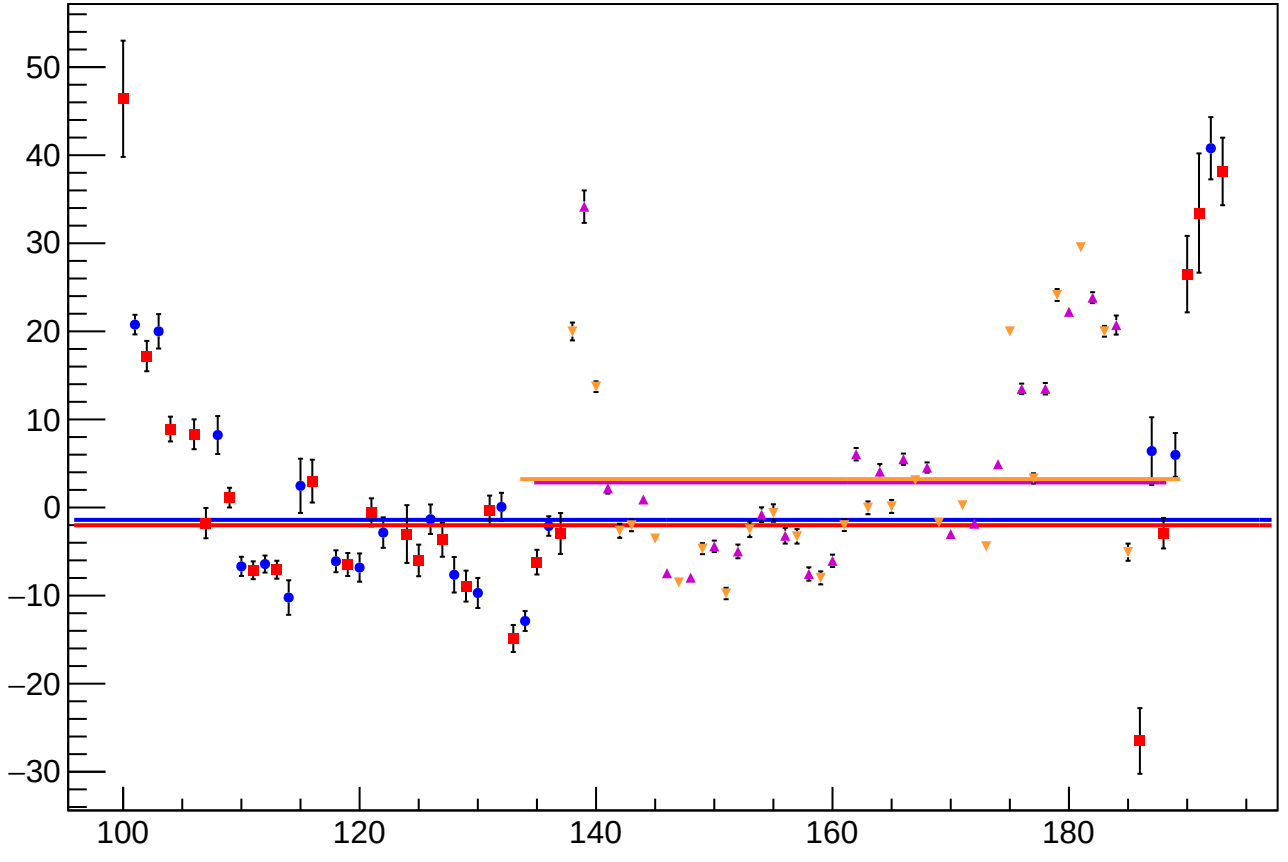
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.133+/-0.144 χ^2/NDF: 27604.4/43

All: -24.691+/-0.102 χ^2/NDF: 54158.4/90

- sign -23.263+/-0.144 χ^2/NDF: 26355.7/46

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: -2.013+/-0.344 χ^2/NDF: 675.7/23

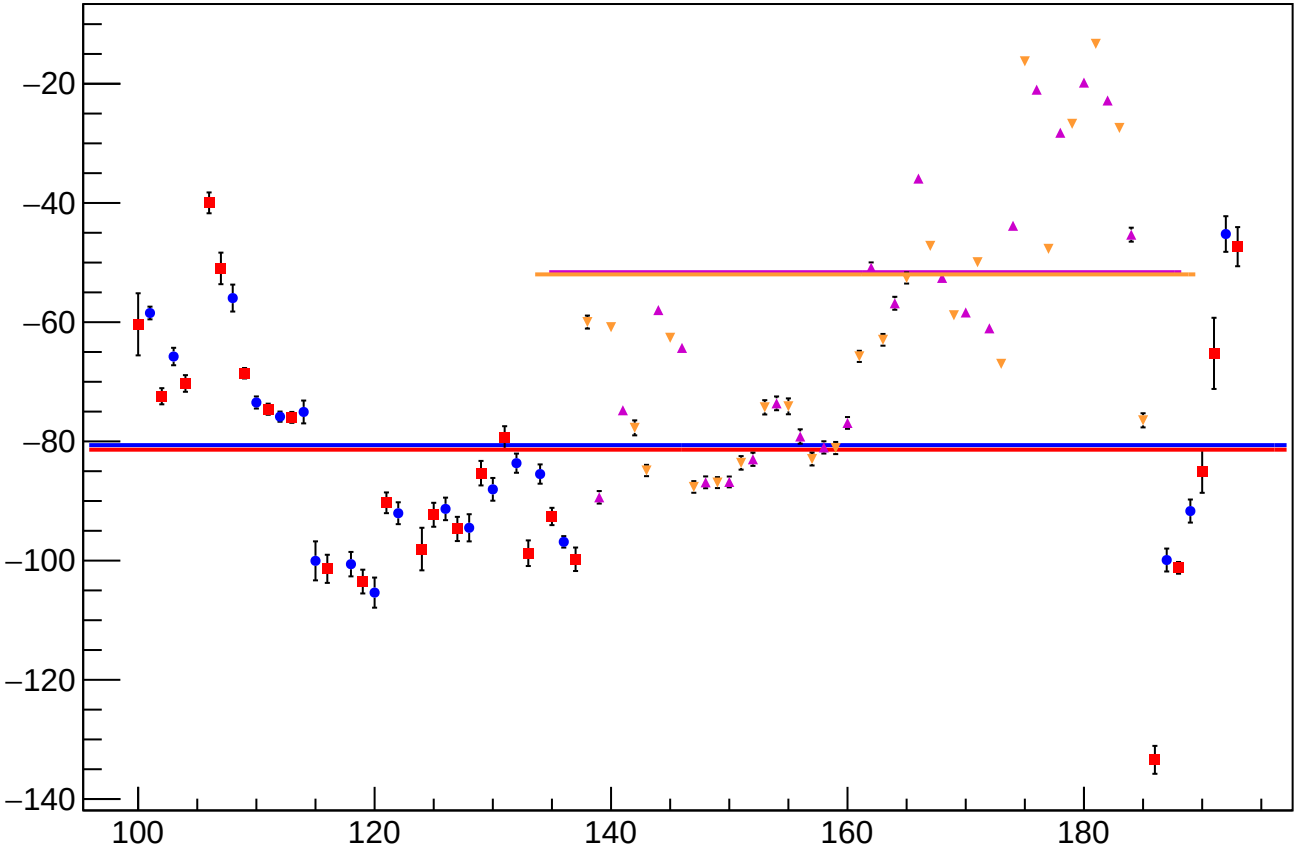
Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.676+/-0.120 χ^2/NDF: 8760.9/43

All: 2.455+/-0.086 χ^2/NDF: 15073.5/90

- sign 2.227+/-0.123 χ^2/NDF: 6305.8/46

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: -81.391+/-0.326 χ^2/NDF: 2665.9/23

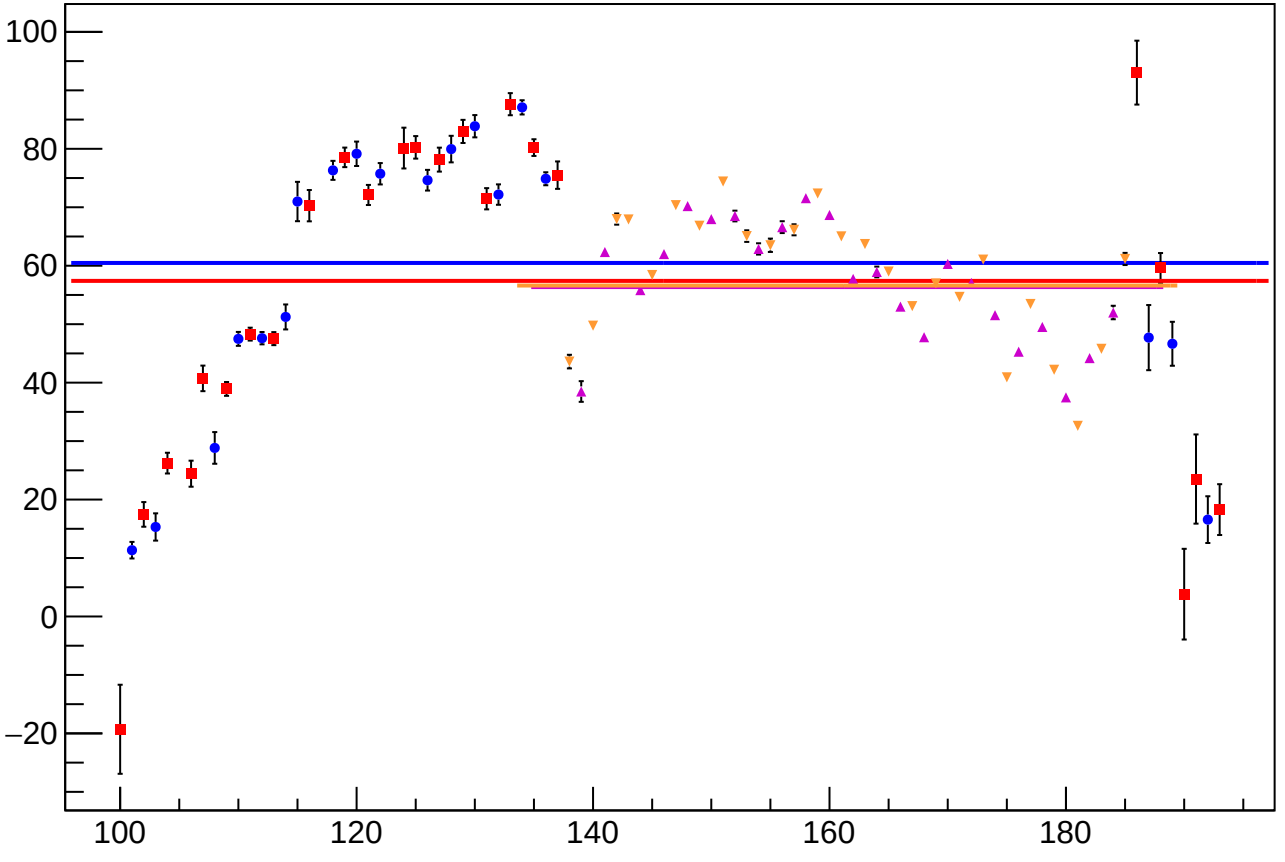
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.189+/-0.149 χ^2/NDF: 28042.0/43

All: -57.556+/-0.106 χ^2/NDF: 54923.4/90

- sign -57.927+/-0.150 χ^2/NDF: 26869.3/46

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: 57.406+/-0.392 χ^2/NDF: 2967.9/23

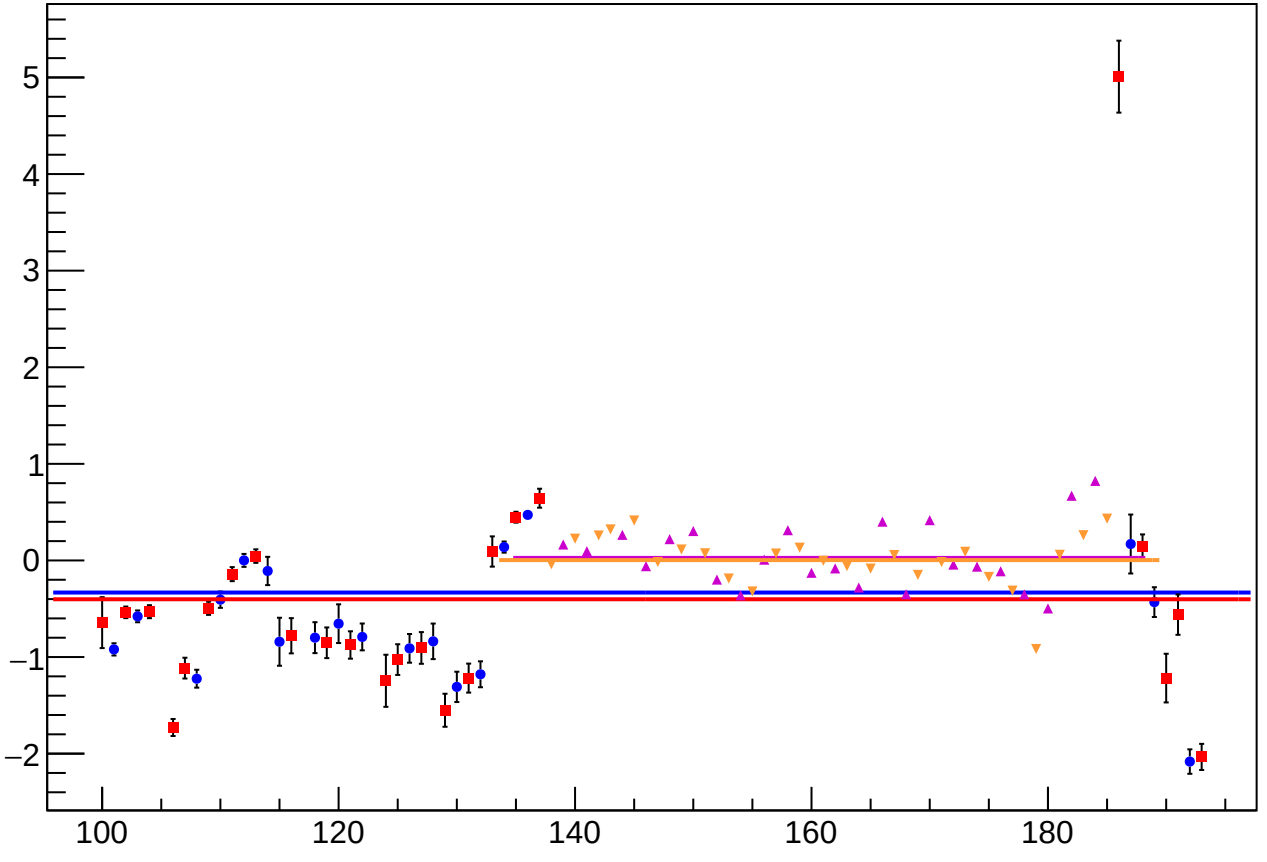
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 57.064+/-0.135 χ^2/NDF: 9121.9/43

All: 56.777+/-0.097 χ^2/NDF: 16074.1/90

- sign 56.479+/-0.138 χ^2/NDF: 6943.0/46

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: -0.402+/-0.021 χ^2/NDF: 1207.0/23

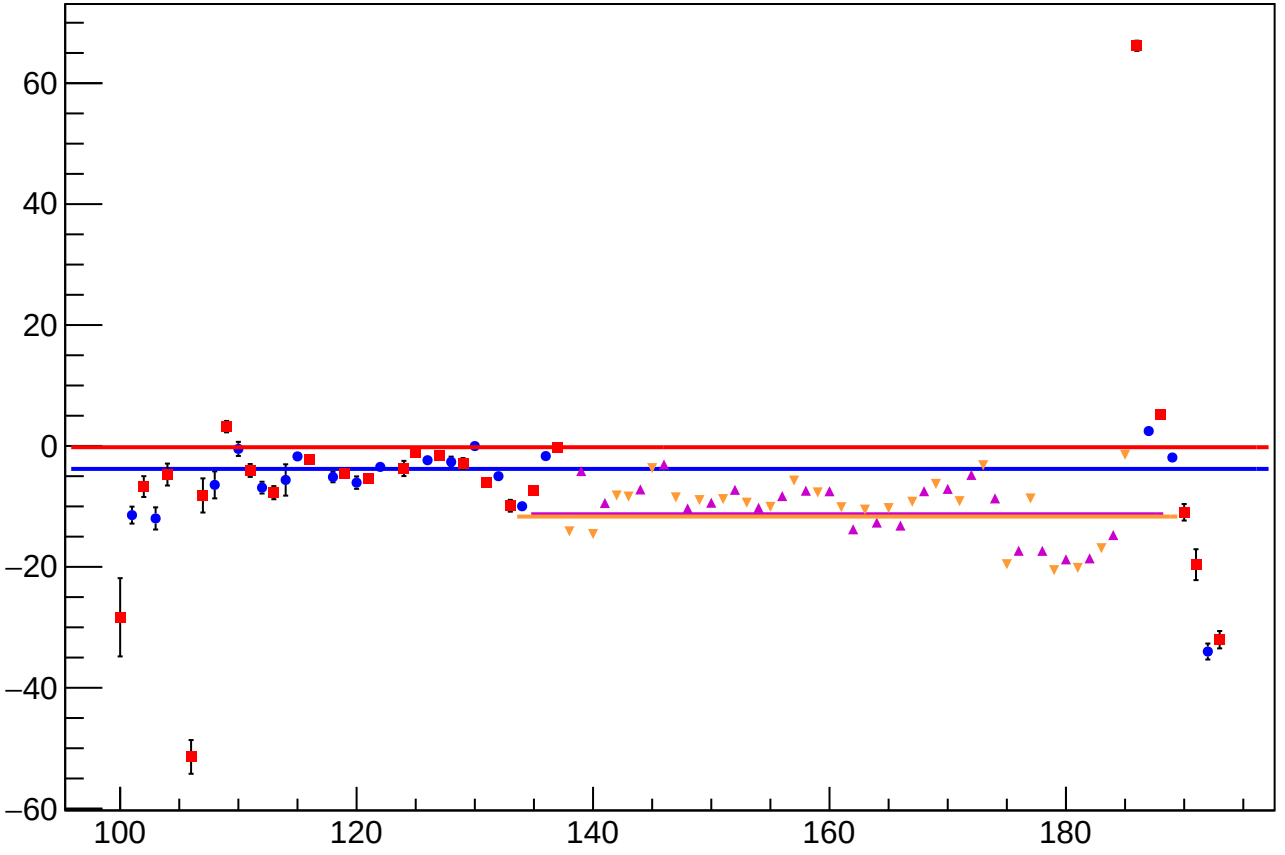
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.025+/-0.006 χ^2/NDF: 2861.2/43

All: -0.019+/-0.004 χ^2/NDF: 6795.5/90

- sign -0.012+/-0.006 χ^2/NDF: 3932.0/46

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: -0.210+/-0.173 χ^2/NDF: 7912.2/23

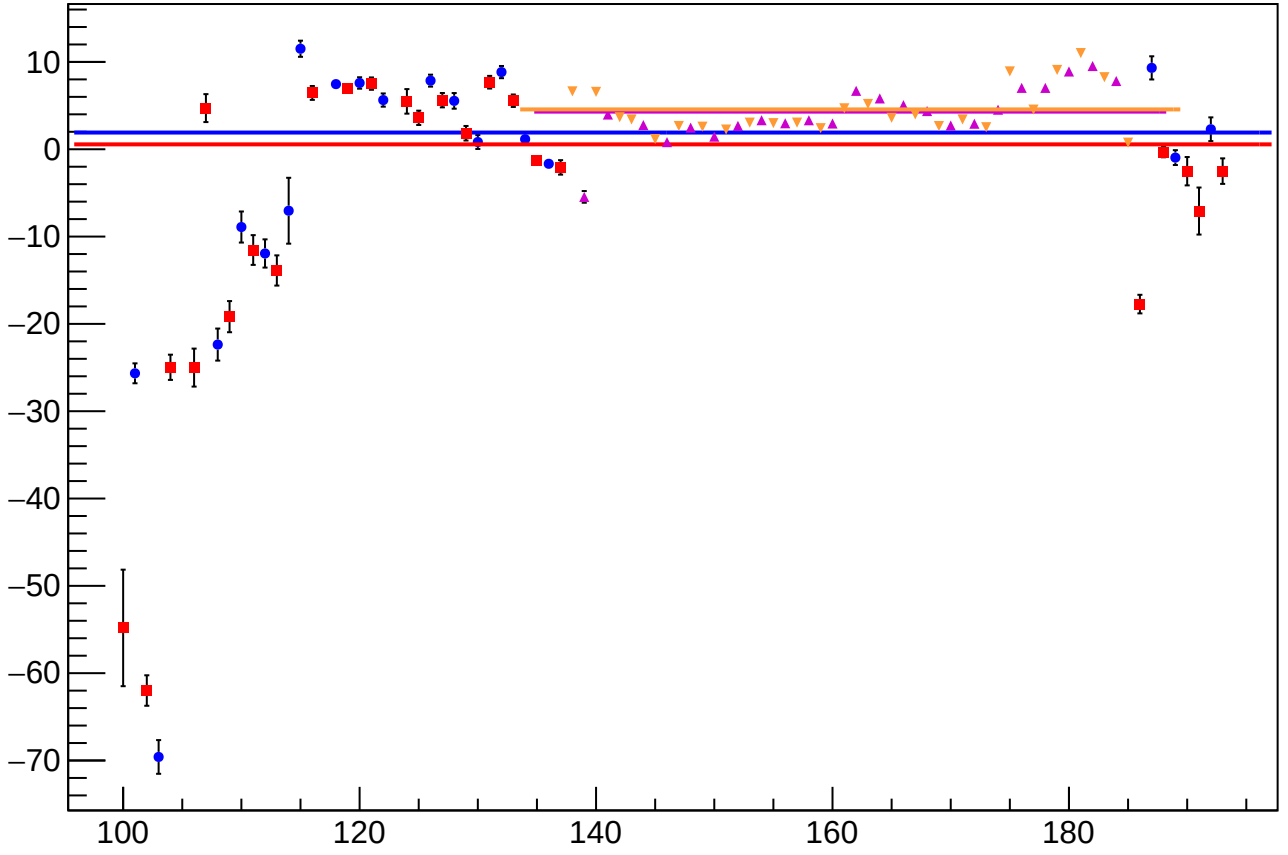
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.042+/-0.050 χ^2/NDF: 15240.7/43

All: -10.689+/-0.036 χ^2/NDF: 36208.8/90

- sign -10.322+/-0.052 χ^2/NDF: 20868.6/46

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: 0.560+/-0.190 χ^2/NDF: 2895.1/23

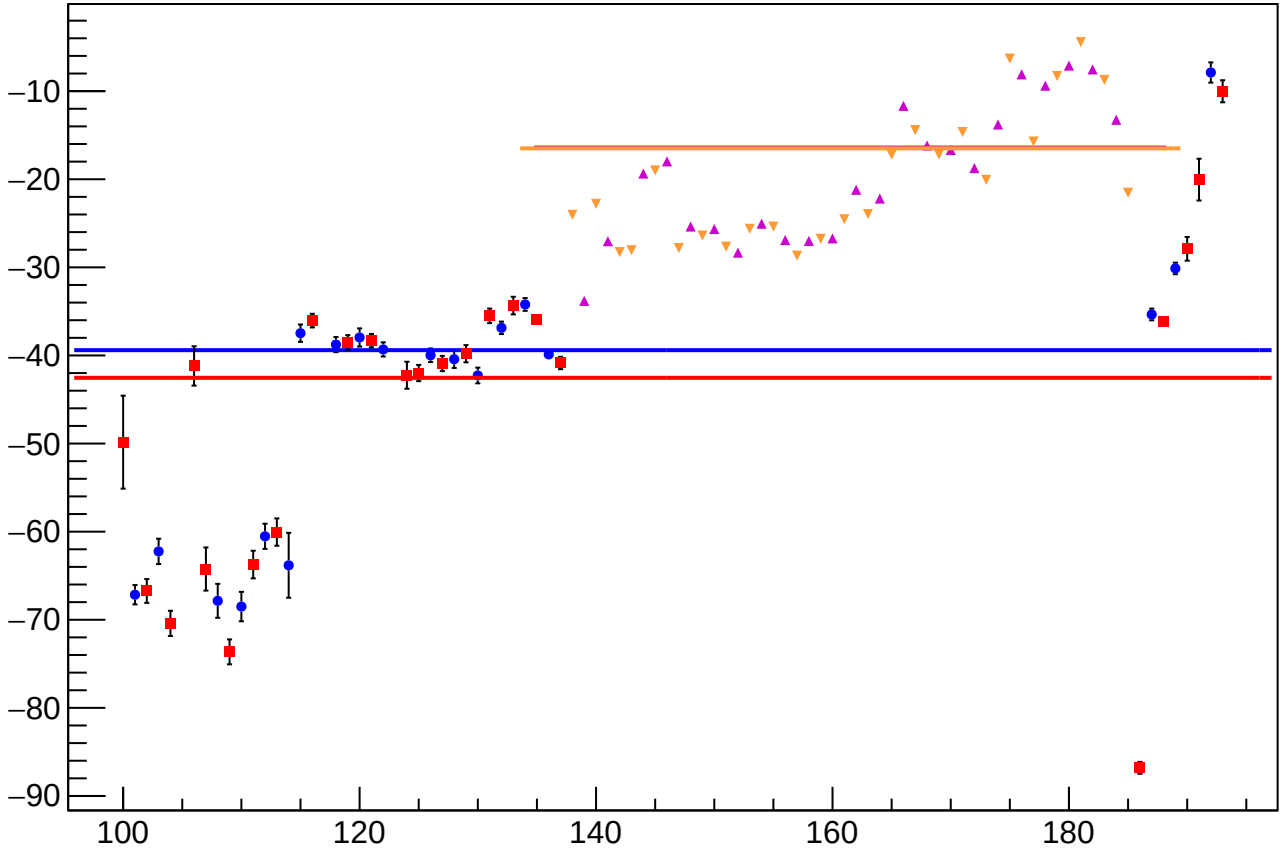
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

\+ sign 4.432+/-0.040 χ^2/NDF: 7440.5/43

All: 4.285+/-0.029 χ^2/NDF: 14342.9/90

\- sign 4.133+/-0.041 χ^2/NDF: 6875.2/46

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: -42.537+/-0.179 χ^2/NDF: 7508.8/23

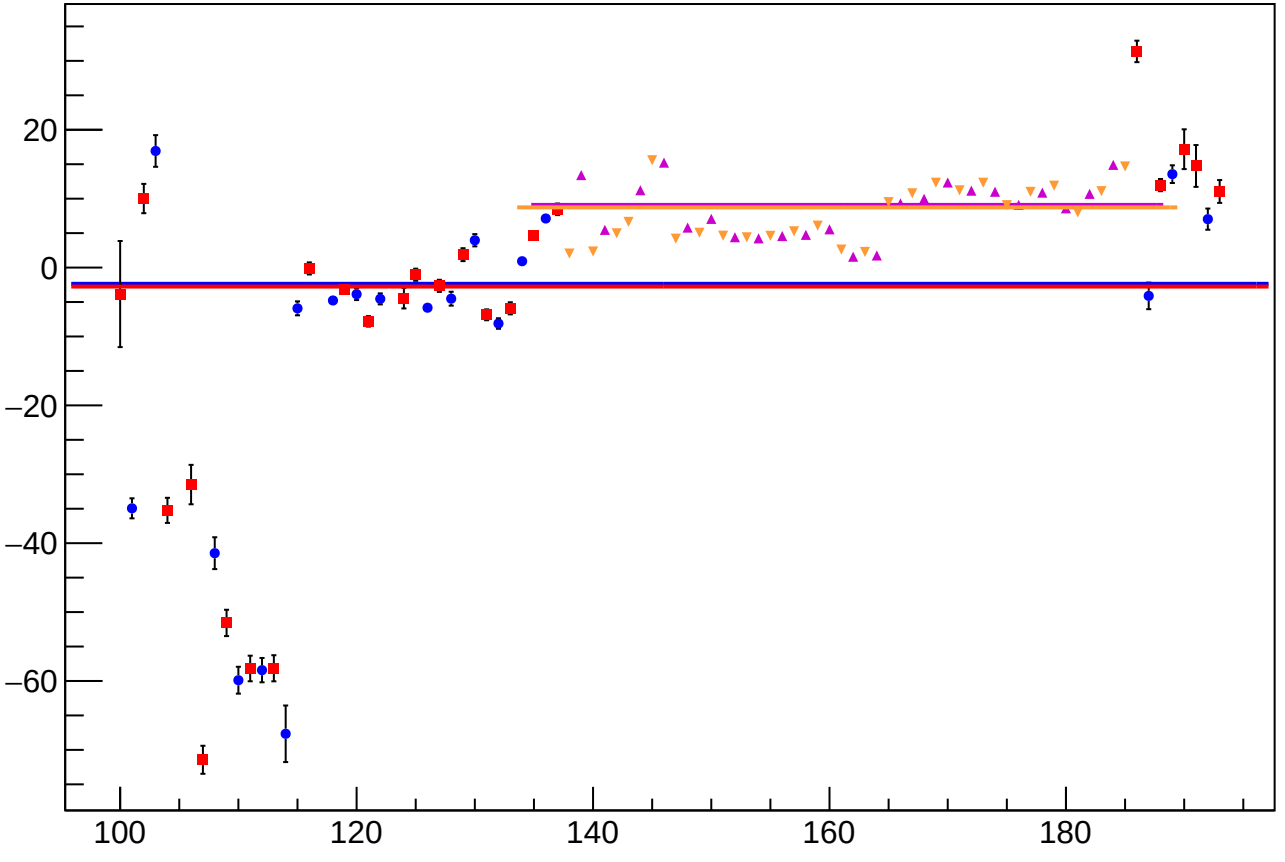
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.179+/-0.051 χ^2/NDF: 38603.4/43

All: -18.375+/-0.036 χ^2/NDF: 83723.9/90

- sign -18.577+/-0.052 χ^2/NDF: 45090.3/46

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: -2.755+/-0.219 χ^2/NDF: 5378.2/23

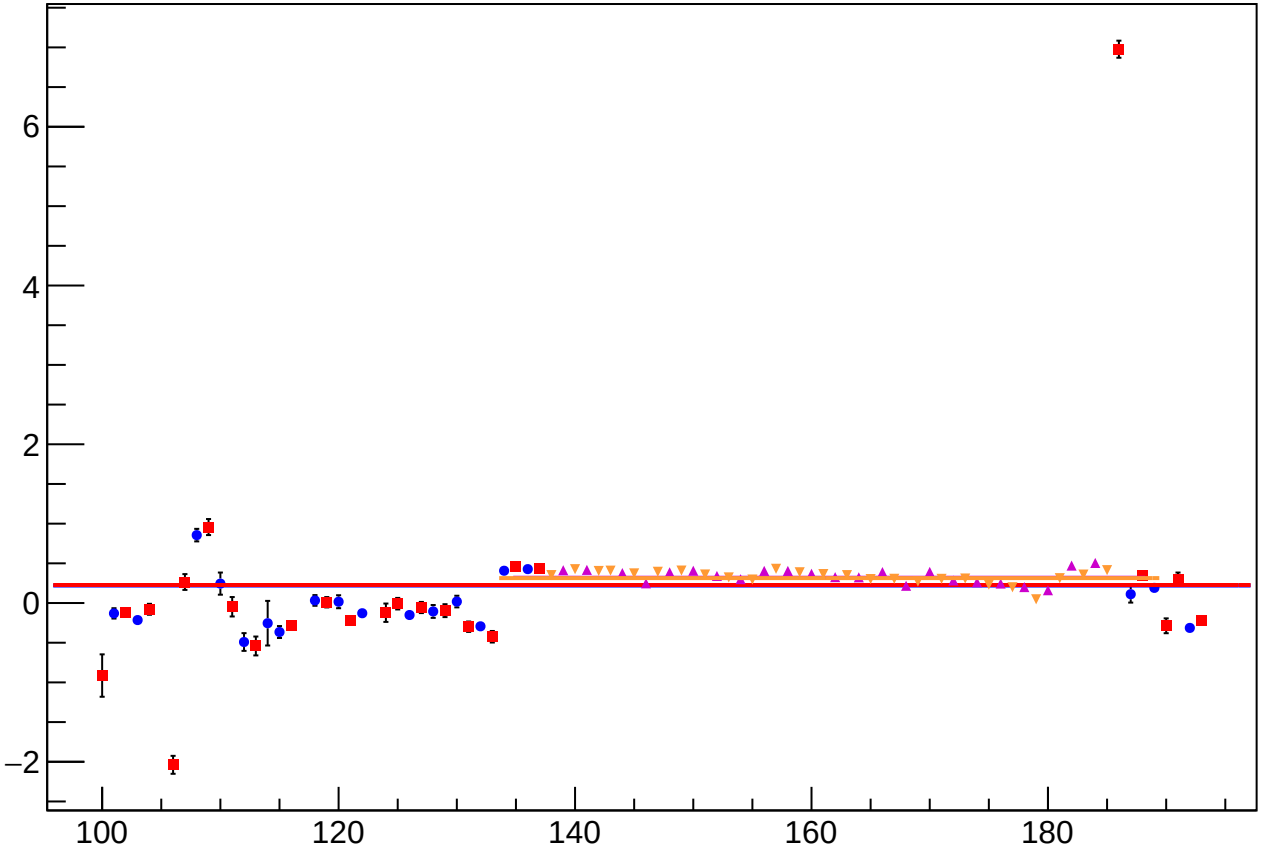
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.193+/-0.045 χ^2/NDF: 13615.0/43

All: 8.378+/-0.032 χ^2/NDF: 27571.3/90

- sign 8.571+/-0.046 χ^2/NDF: 13921.8/46

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

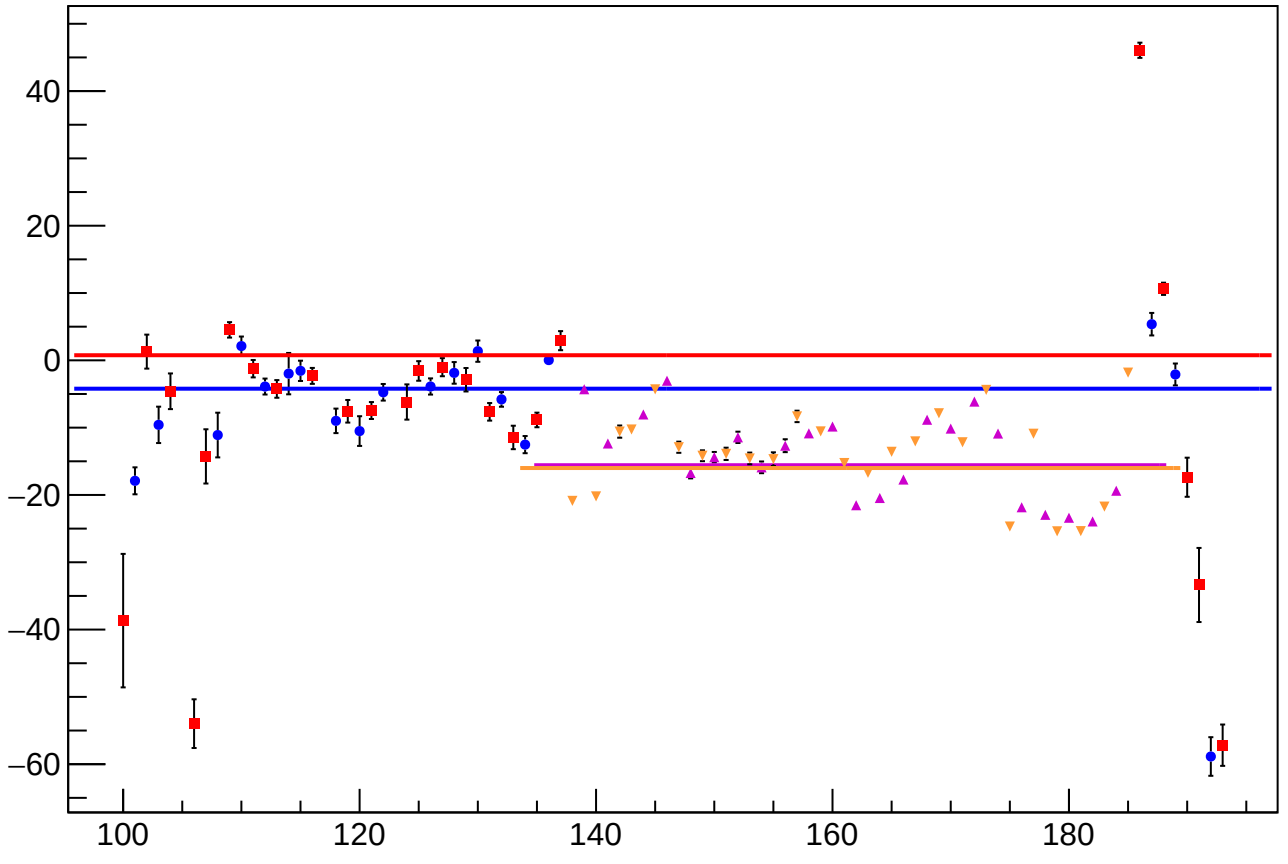
Right Out: 0.227+/-0.012 χ^2/NDF: 5103.4/23

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

\+ sign 0.311+/-0.002 χ^2/NDF: 2433.8/43

All: 0.313+/-0.001 χ^2/NDF: 9384.3/90

\- sign 0.316+/-0.002 χ^2/NDF: 6947.2/46



Right In: -4.213+/-0.330 χ^2/NDF: 587.0/18

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: 0.757+/-0.315 χ^2/NDF: 2714.2/23

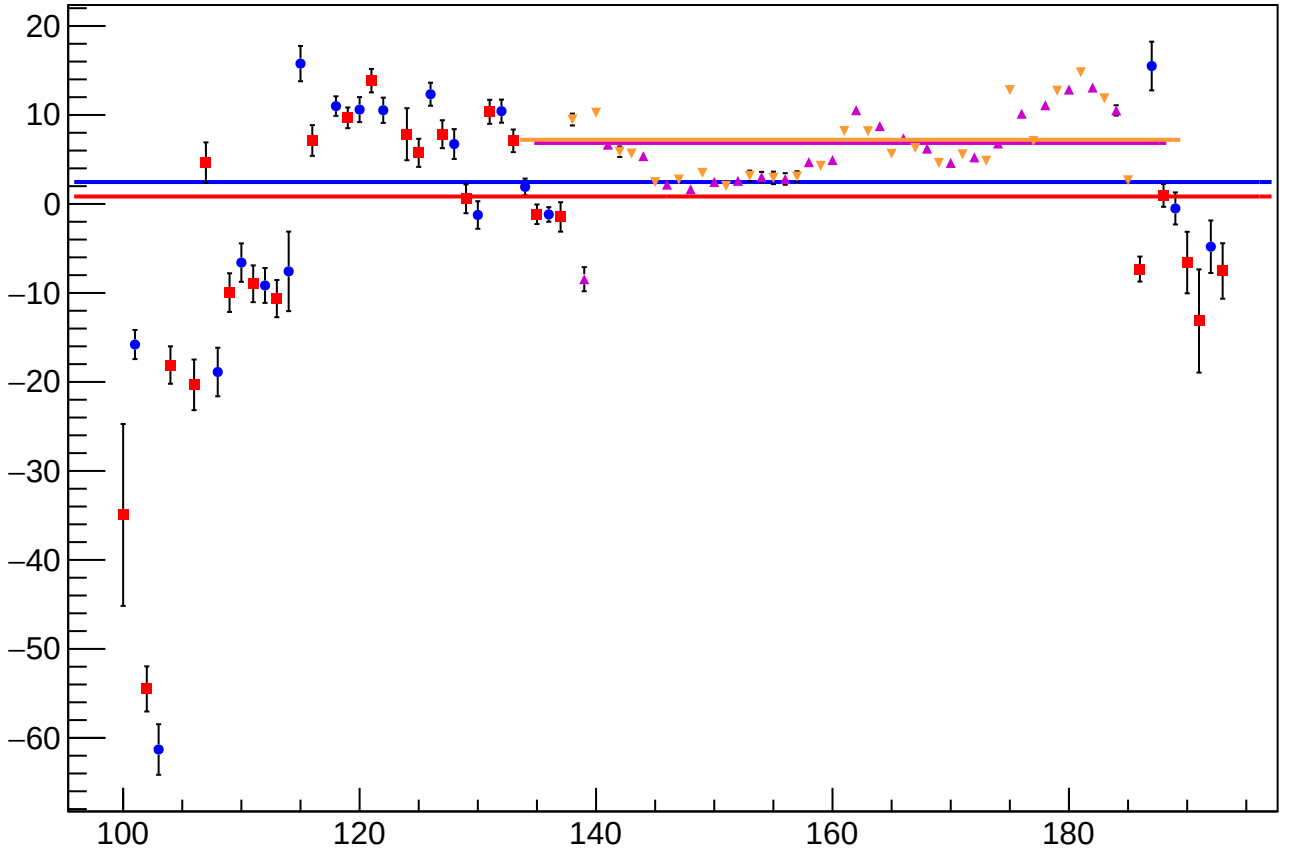
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.018+/-0.095 χ^2/NDF: 7722.5/43

All: -14.532+/-0.068 χ^2/NDF: 17692.1/90

- sign -14.027+/-0.097 χ^2/NDF: 9916.5/46

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: 0.839+/-0.353 χ^2/NDF: 1039.8/23

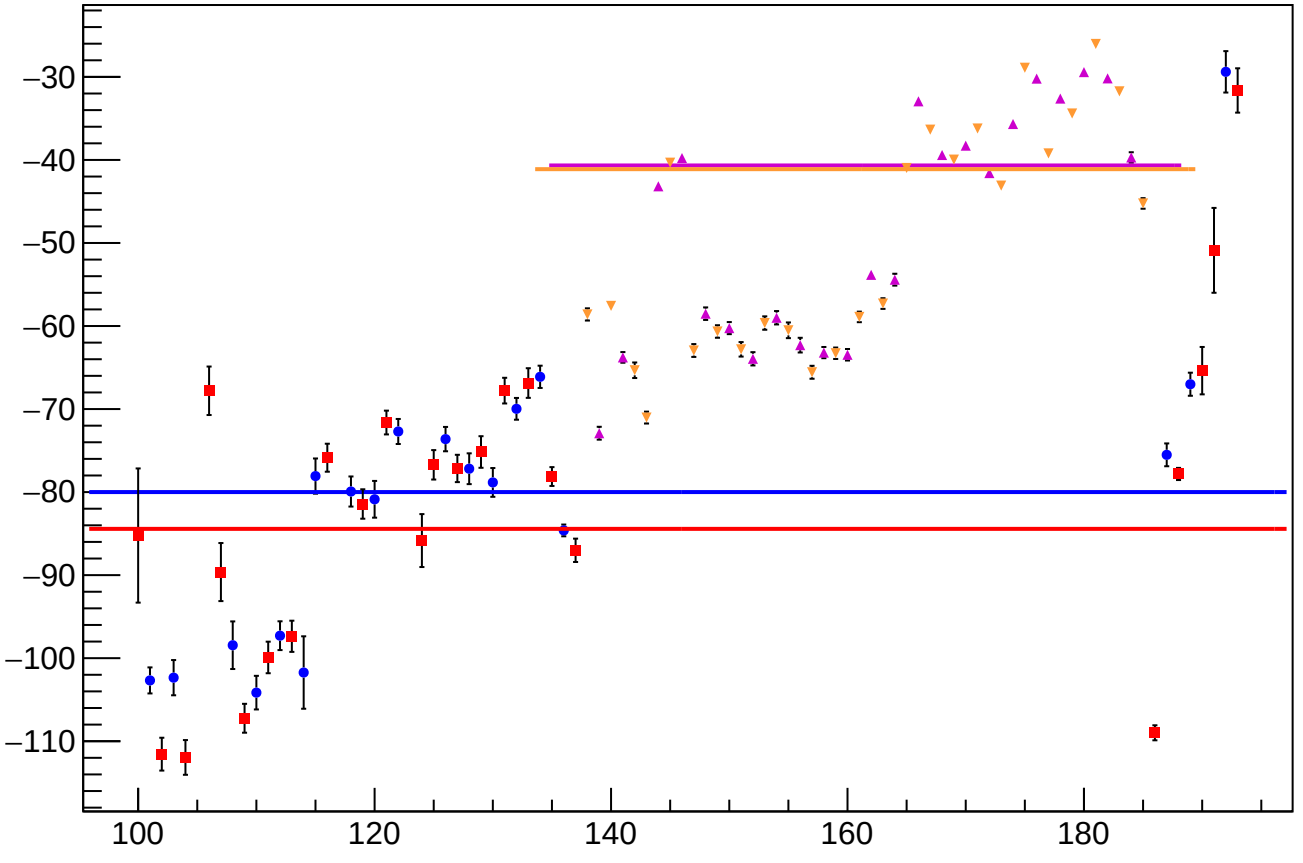
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.969+/-0.078 χ^2/NDF: 3714.1/43

All: 6.764+/-0.056 χ^2/NDF: 7200.9/90

- sign 6.554+/-0.079 χ^2/NDF: 3472.9/46

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: -84.428+/-0.329 χ^2/NDF: 2397.4/23

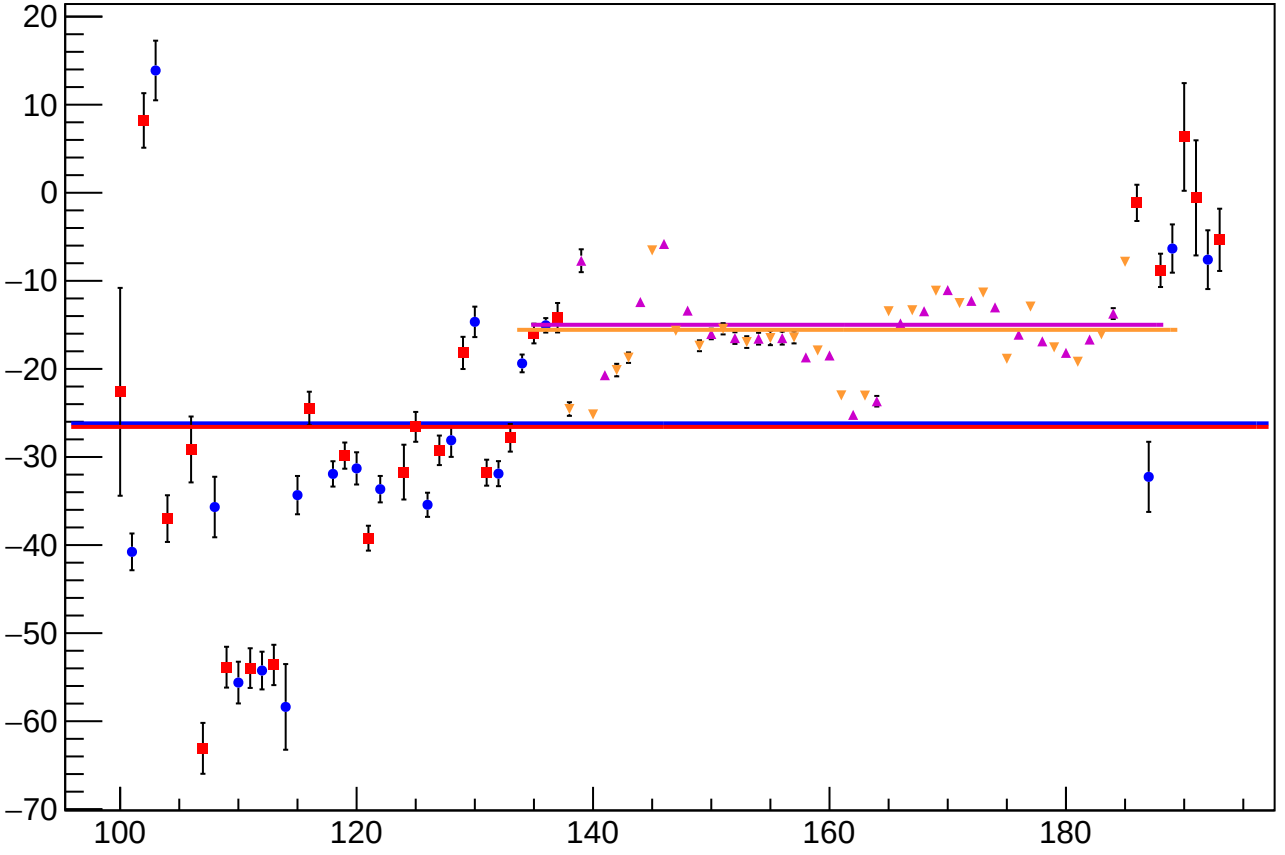
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -43.984+/-0.096 χ^2/NDF: 28565.9/43

All: -44.243+/-0.069 χ^2/NDF: 60622.9/90

- sign -44.510+/-0.098 χ^2/NDF: 32042.2/46

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: -26.584+/-0.407 χ^2/NDF: 1319.9/23

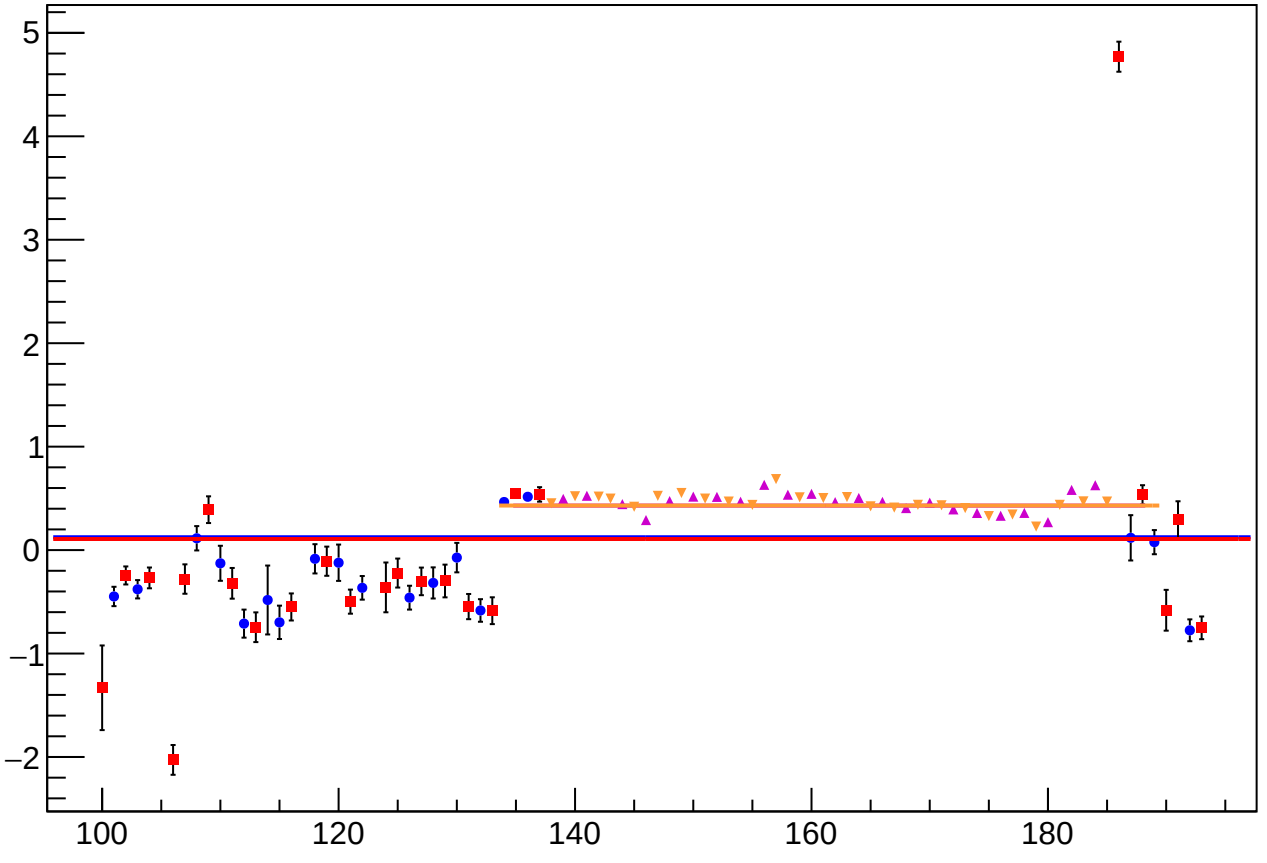
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.094+/-0.087 χ^2/NDF: 4316.3/43

All: -15.818+/-0.062 χ^2/NDF: 8579.9/90

- sign -15.533+/-0.088 χ^2/NDF: 4243.0/46

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: 0.107+/-0.022 χ^2/NDF: 1719.0/23

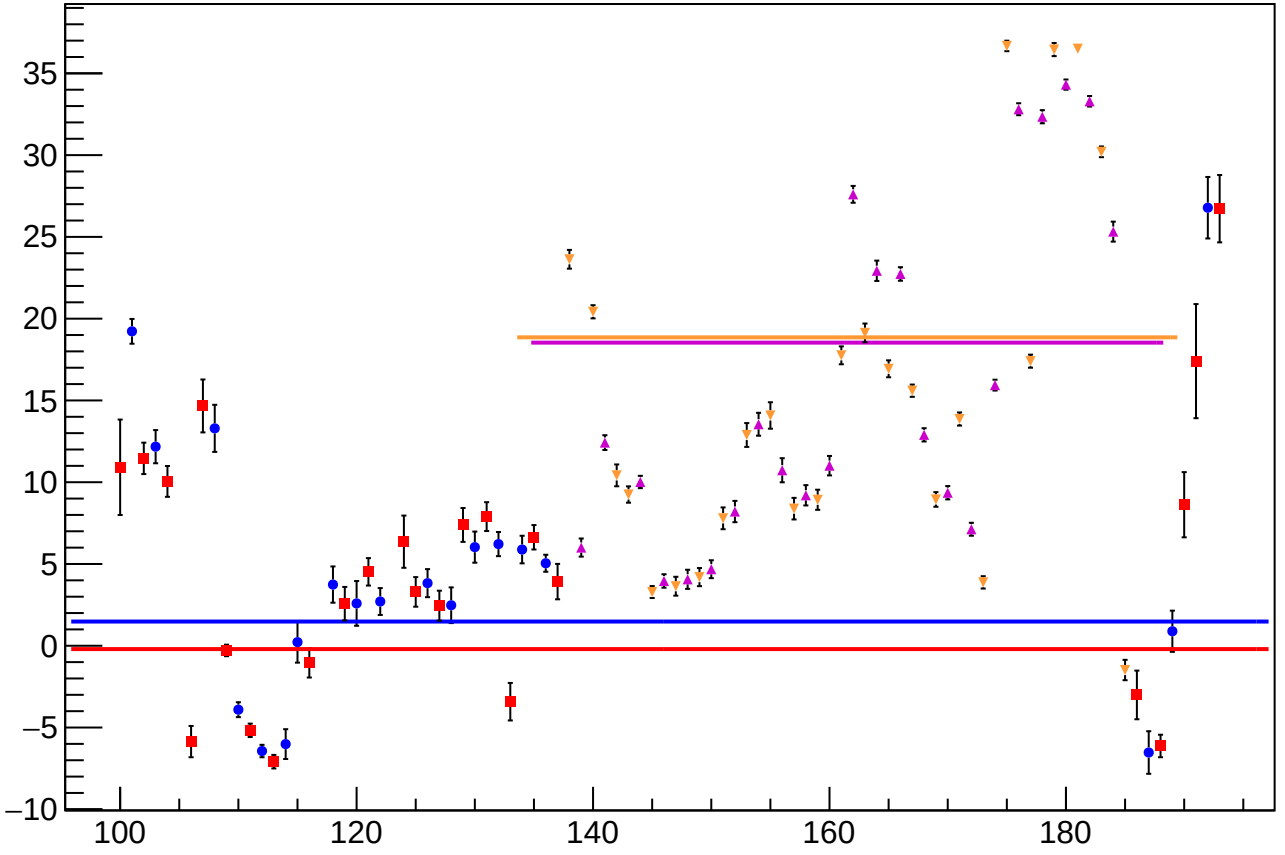
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.420+/-0.004 χ^2/NDF: 1131.3/43

All: 0.420+/-0.003 χ^2/NDF: 3633.7/90

- sign 0.420+/-0.004 χ^2/NDF: 2502.4/46

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: -0.204+/-0.160 χ^2/NDF: 1441.4/23

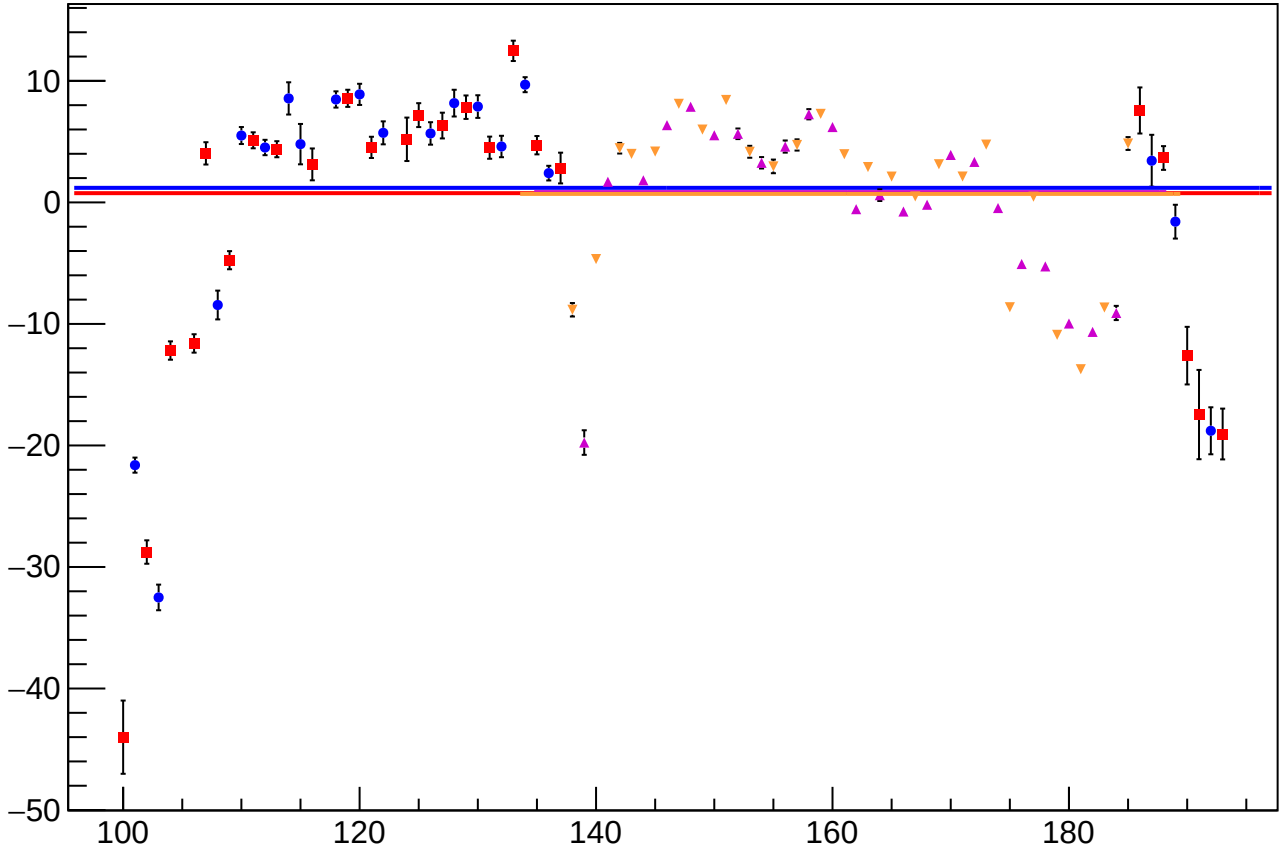
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.315+/-0.081 χ^2/NDF: 27647.3/43

All: 14.561+/-0.057 χ^2/NDF: 53521.2/90

- sign 13.807+/-0.081 χ^2/NDF: 25699.1/46

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



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: 0.760+/-0.195 χ^2/NDF: 2545.5/23

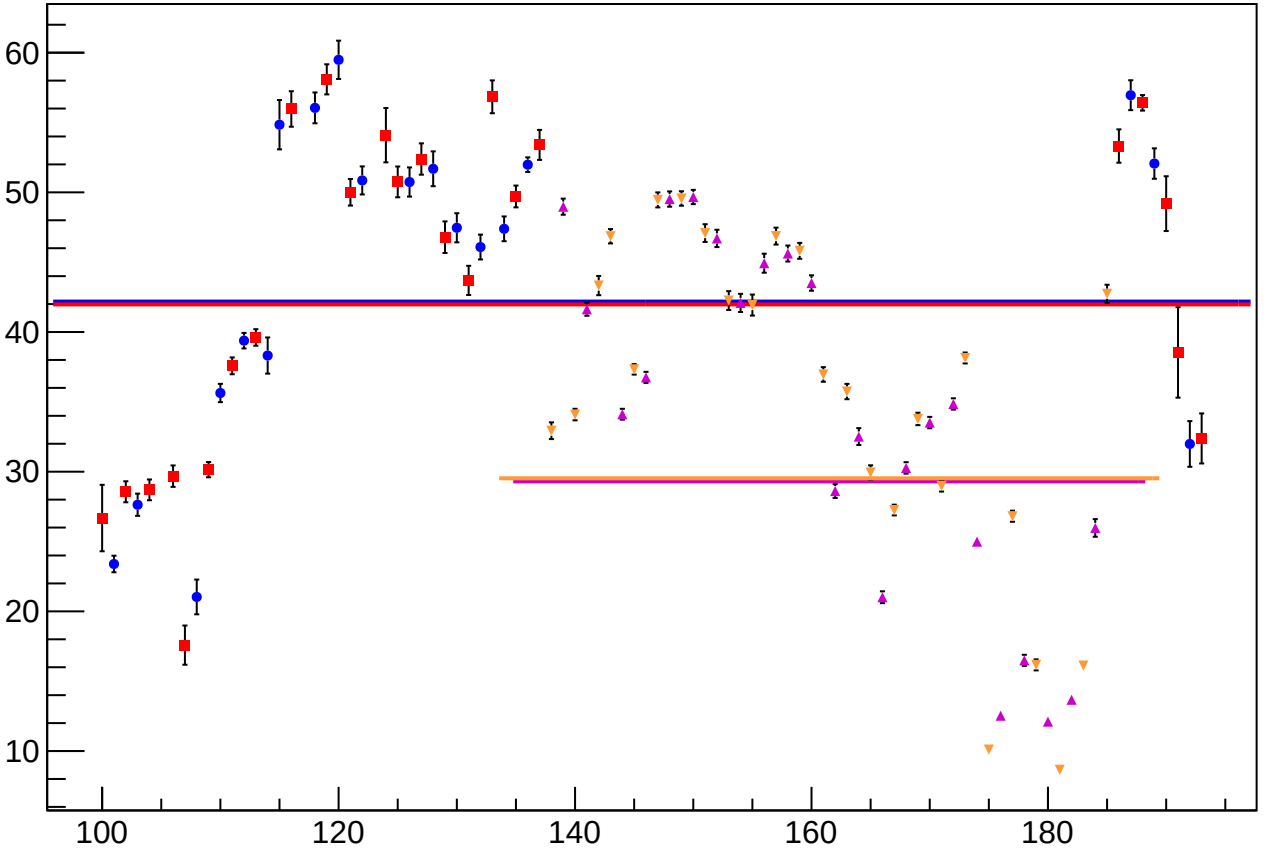
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.757+/-0.067 χ^2/NDF: 11437.2/43

All: 0.796+/-0.048 χ^2/NDF: 20028.9/90

- sign 0.836+/-0.068 χ^2/NDF: 8591.0/46

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: 41.977+/-0.186 χ^2/NDF: 3579.2/23

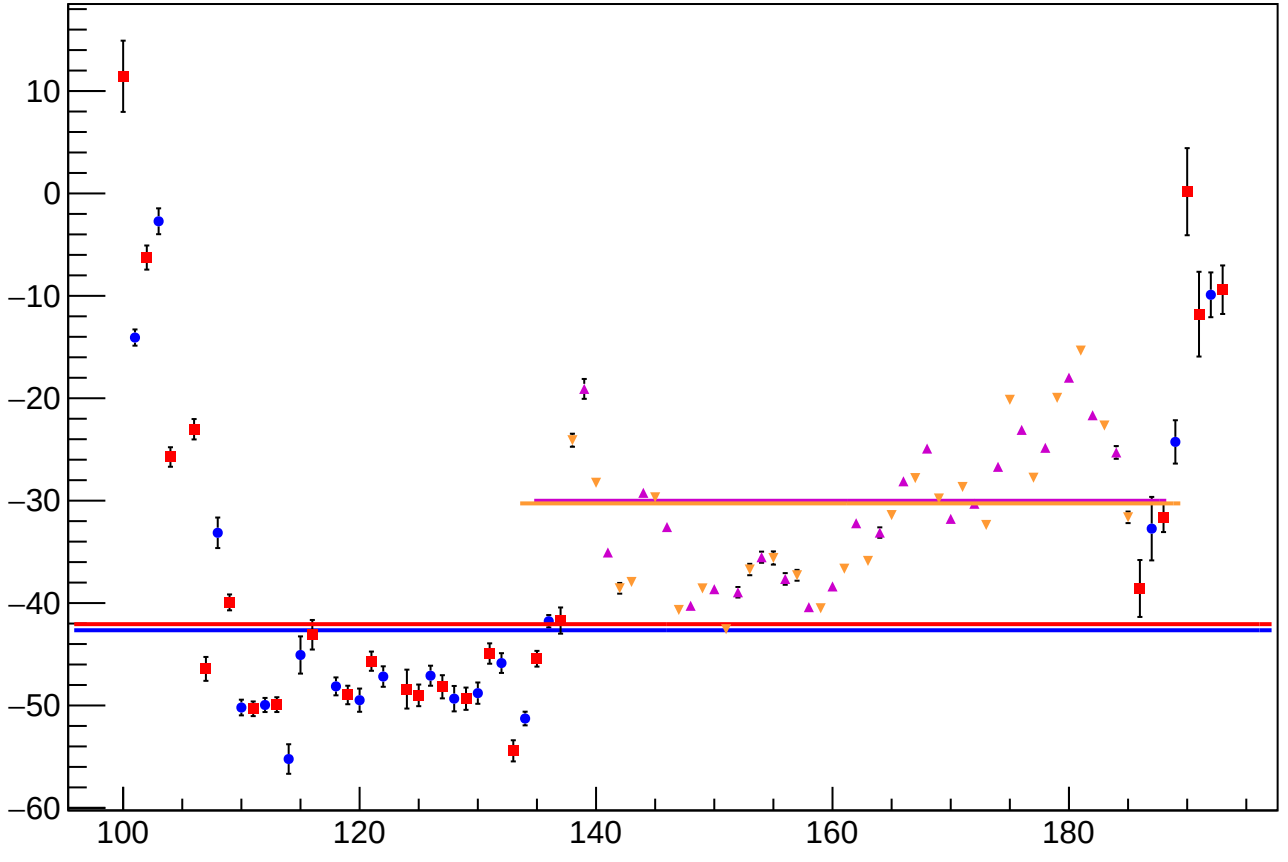
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.653+/-0.083 χ^2/NDF: 27435.8/43

All: 31.748+/-0.059 χ^2/NDF: 52599.4/90

- sign 31.844+/-0.083 χ^2/NDF: 25161.0/46

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: -42.060+/-0.224 χ^2/NDF: 2862.6/23

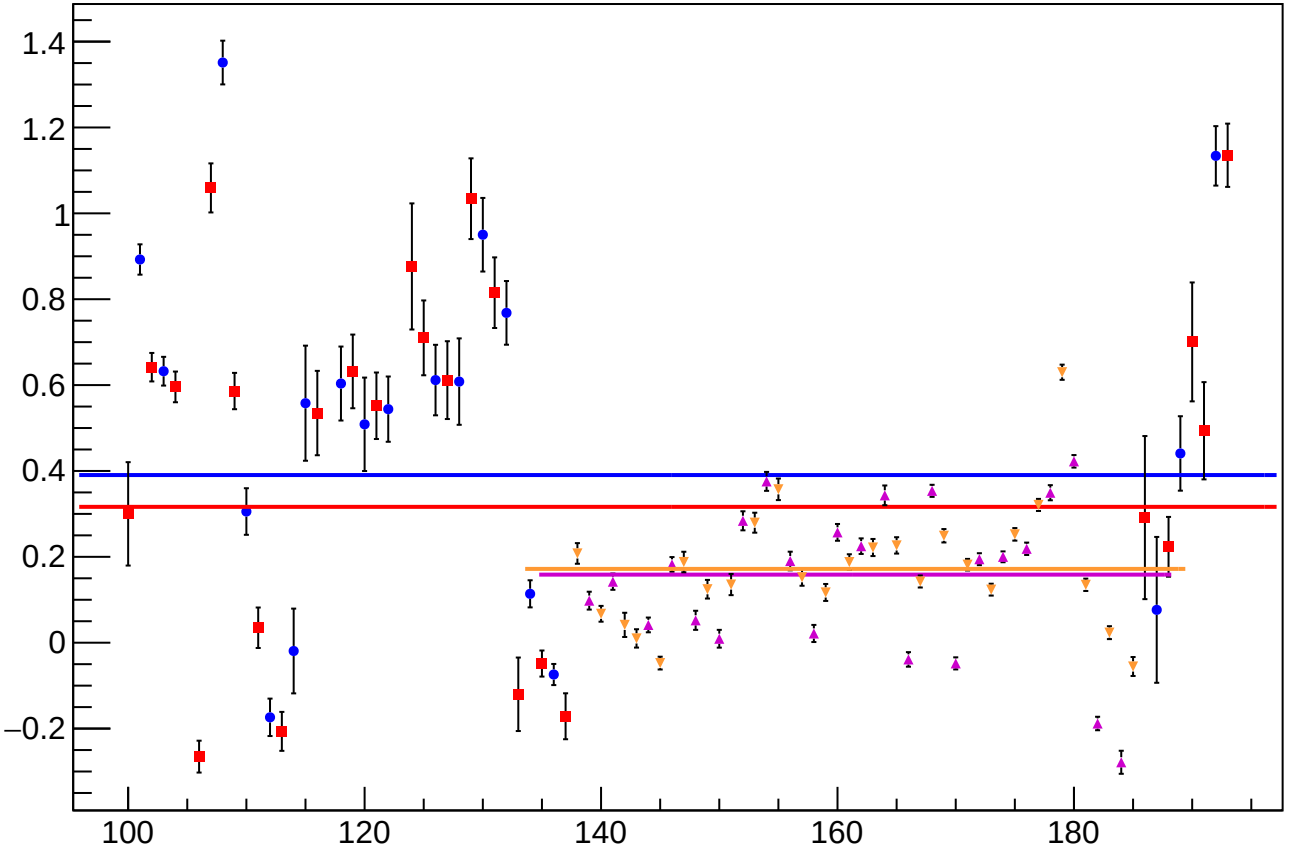
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.623+/-0.075 χ^2/NDF: 14474.5/43

All: -31.522+/-0.053 χ^2/NDF: 25984.3/90

- sign -31.417+/-0.076 χ^2/NDF: 11506.1/46

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: 0.316+/-0.012 χ^2/NDF: 1338.7/23

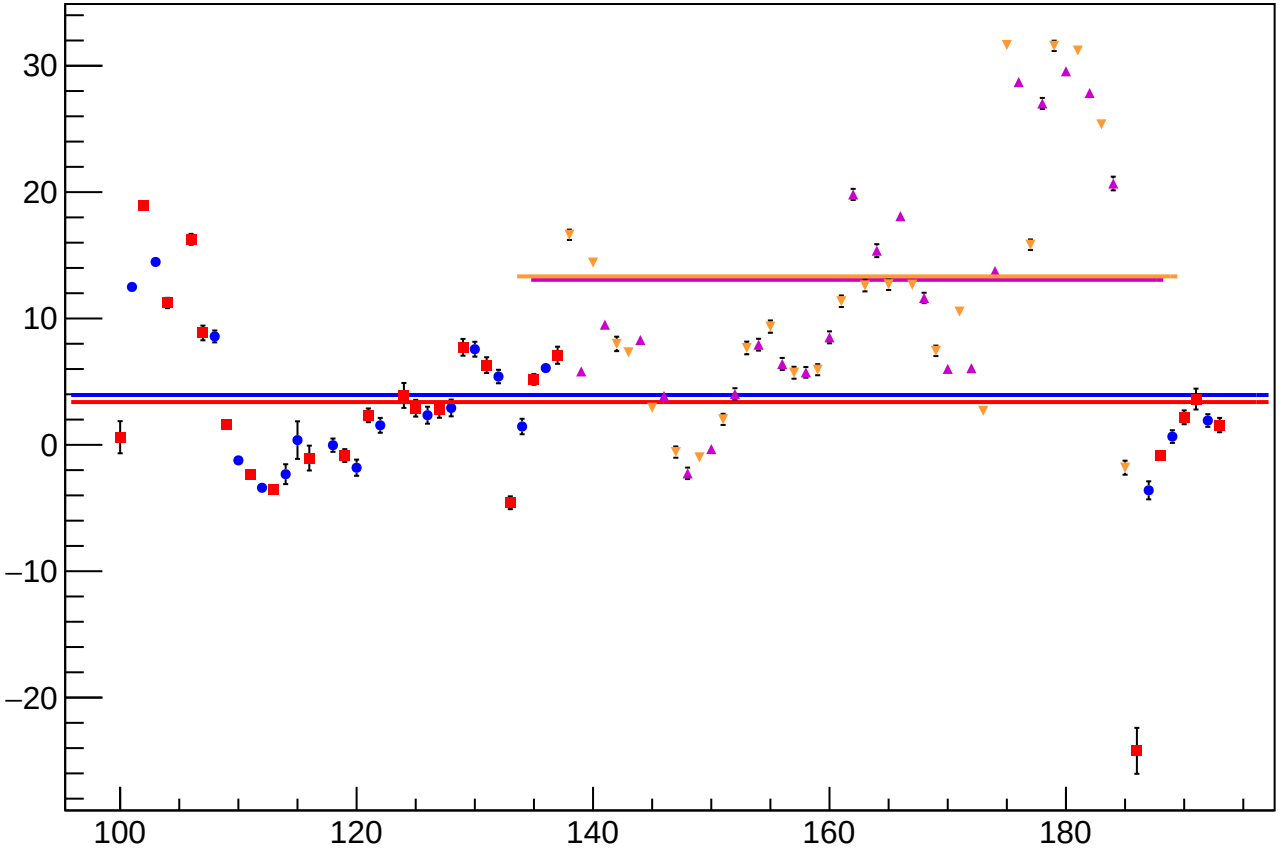
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.190+/-0.003 χ^2/NDF: 3255.7/43

All: 0.181+/-0.002 χ^2/NDF: 6961.9/90

- sign 0.173+/-0.003 χ^2/NDF: 3693.5/46

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: 3.386+/-0.097 χ^2/NDF: 4797.8/23

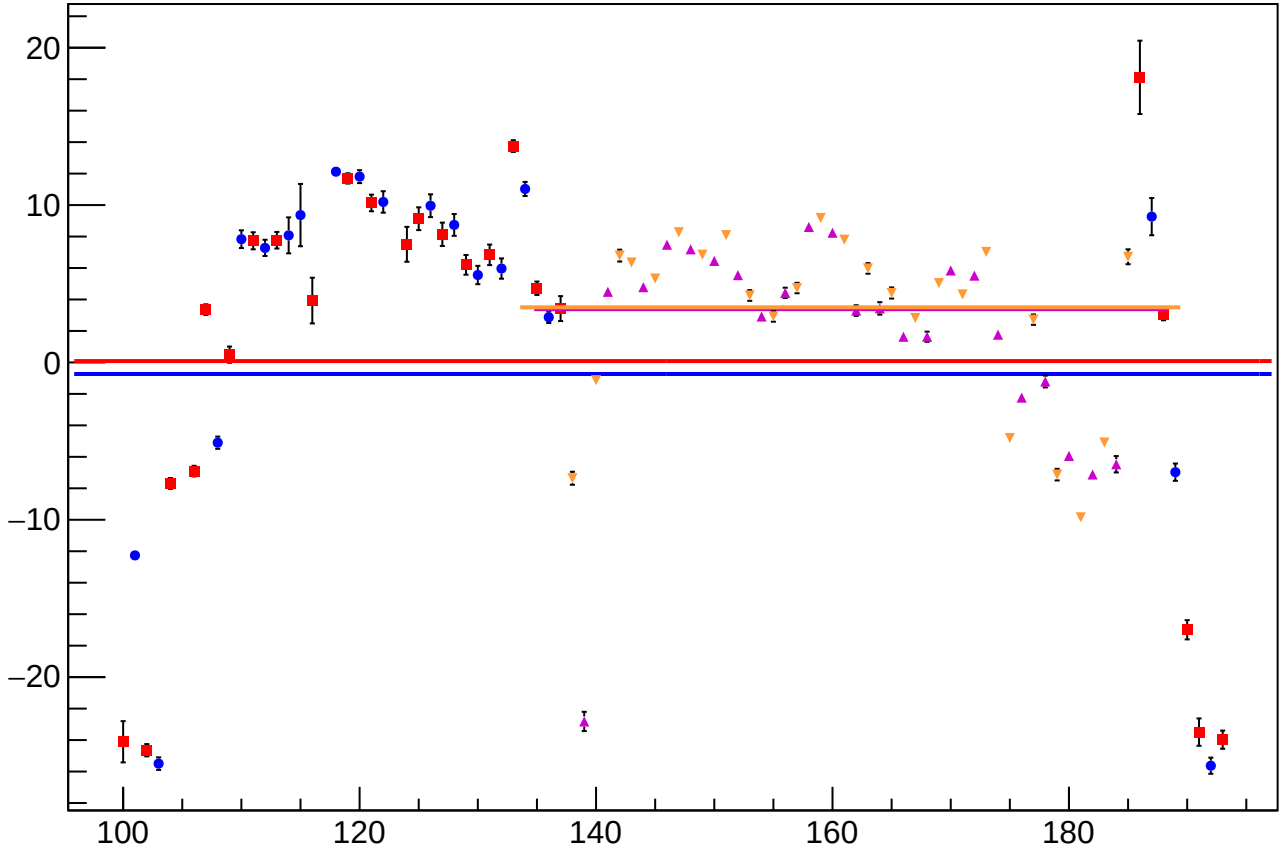
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 10.247+/-0.063 χ^2/NDF: 27154.6/43

All: 9.691+/-0.044 χ^2/NDF: 53657.2/90

- sign 9.164+/-0.061 χ^2/NDF: 26350.6/46

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: 0.086+/-0.102 χ^2/NDF: 12819.9/23

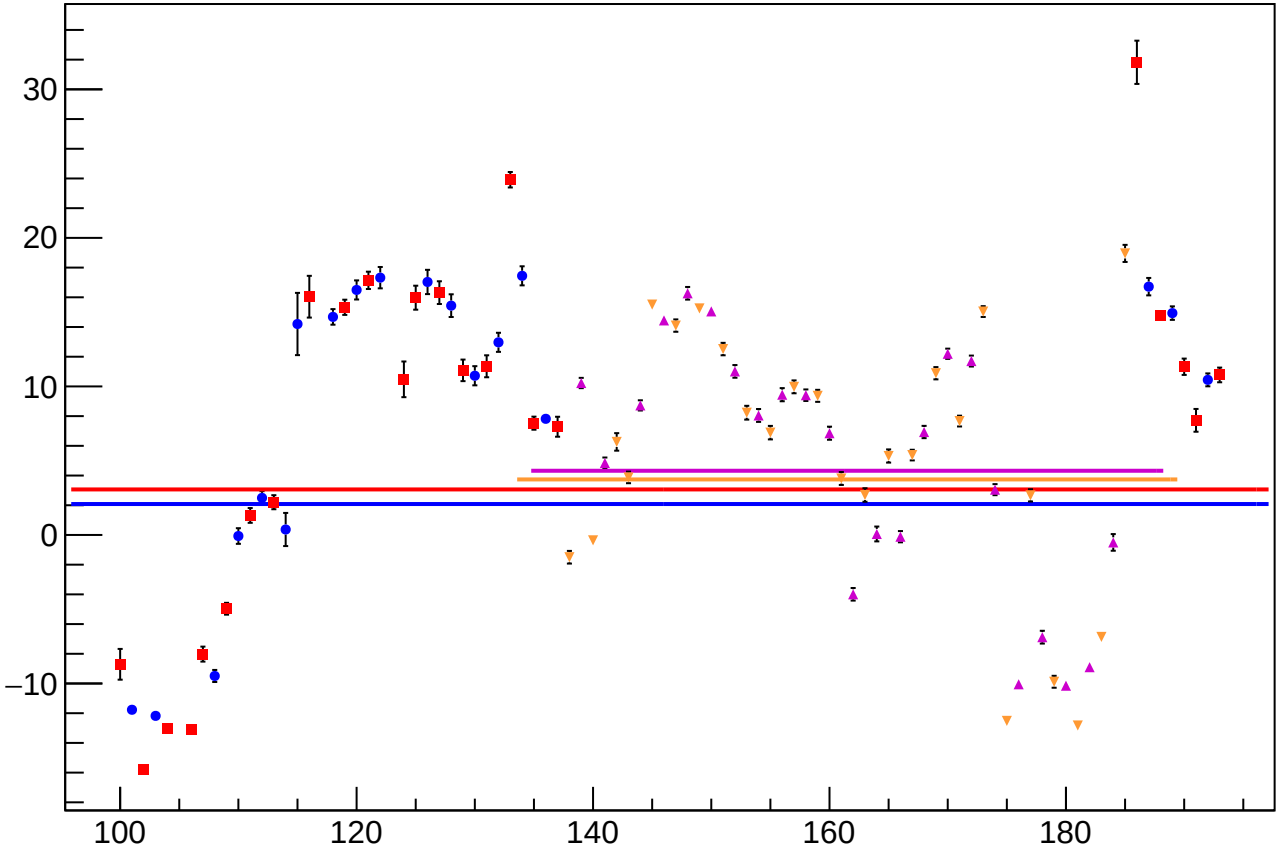
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 2.570+/-0.052 χ^2/NDF: 22226.4/43

All: 2.546+/-0.037 χ^2/NDF: 42519.6/90

- sign 2.522+/-0.052 χ^2/NDF: 20292.8/46

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: 3.065+/-0.096 χ^2/NDF: 17720.0/23

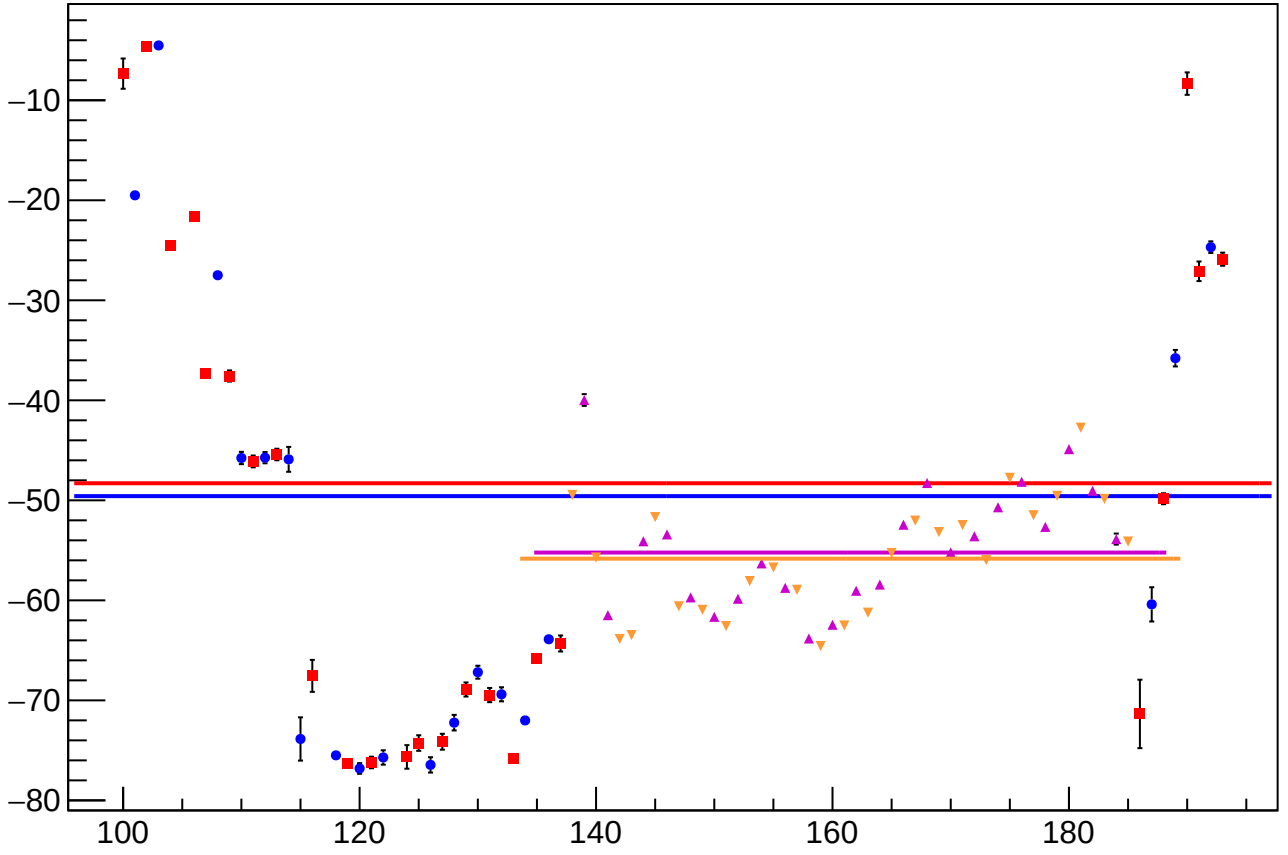
Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 3.197+/-0.063 χ^2/NDF: 27119.7/43

All: 3.517+/-0.044 χ^2/NDF: 57476.2/90

- sign 3.820+/-0.061 χ^2/NDF: 30305.7/46

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: -48.292+/-0.123 χ^2/NDF: 37021.5/23

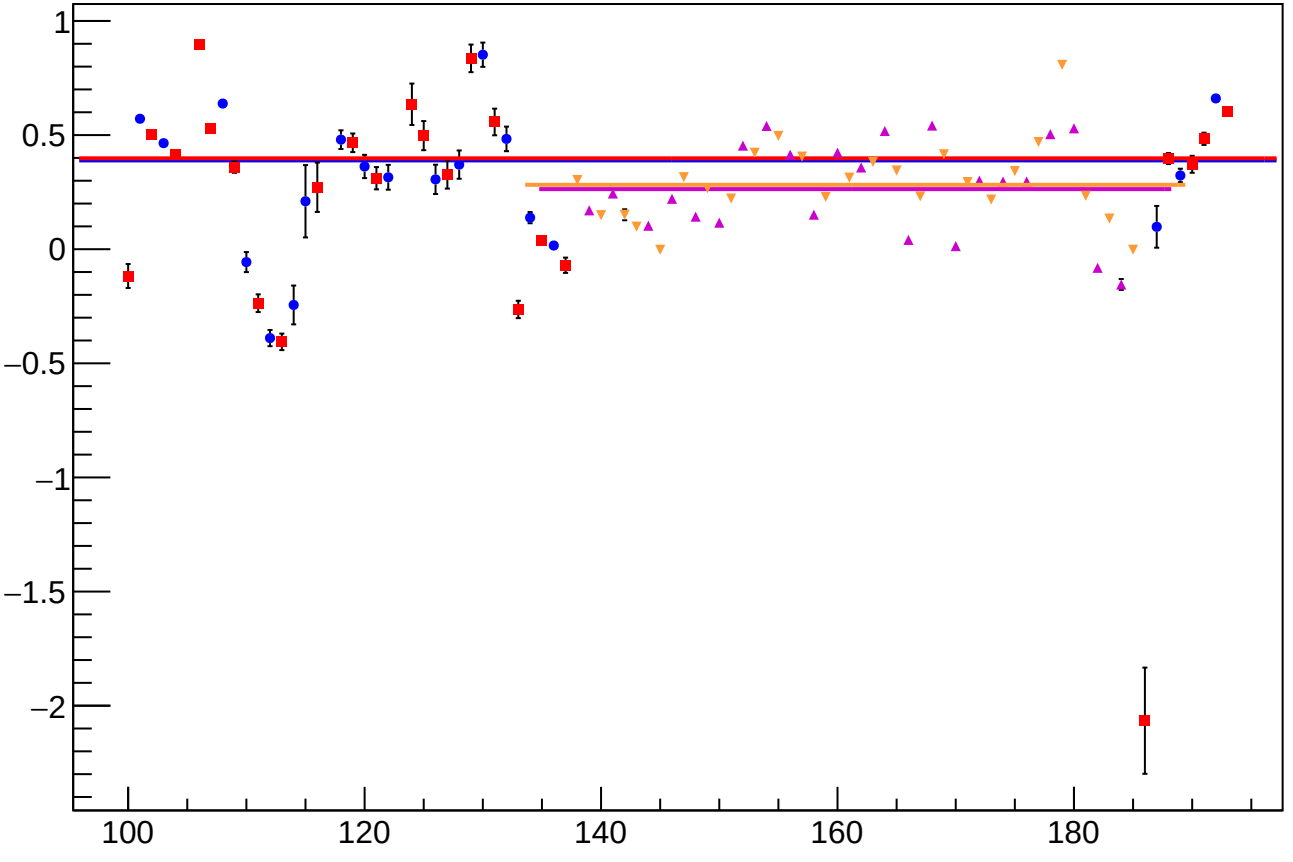
Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -54.543+/-0.059 χ^2/NDF: 45496.2/43

All: -54.065+/-0.042 χ^2/NDF: 91413.9/90

- sign -53.573+/-0.060 χ^2/NDF: 45785.1/46

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



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: 0.398+/-0.006 χ^2/NDF: 3026.8/23

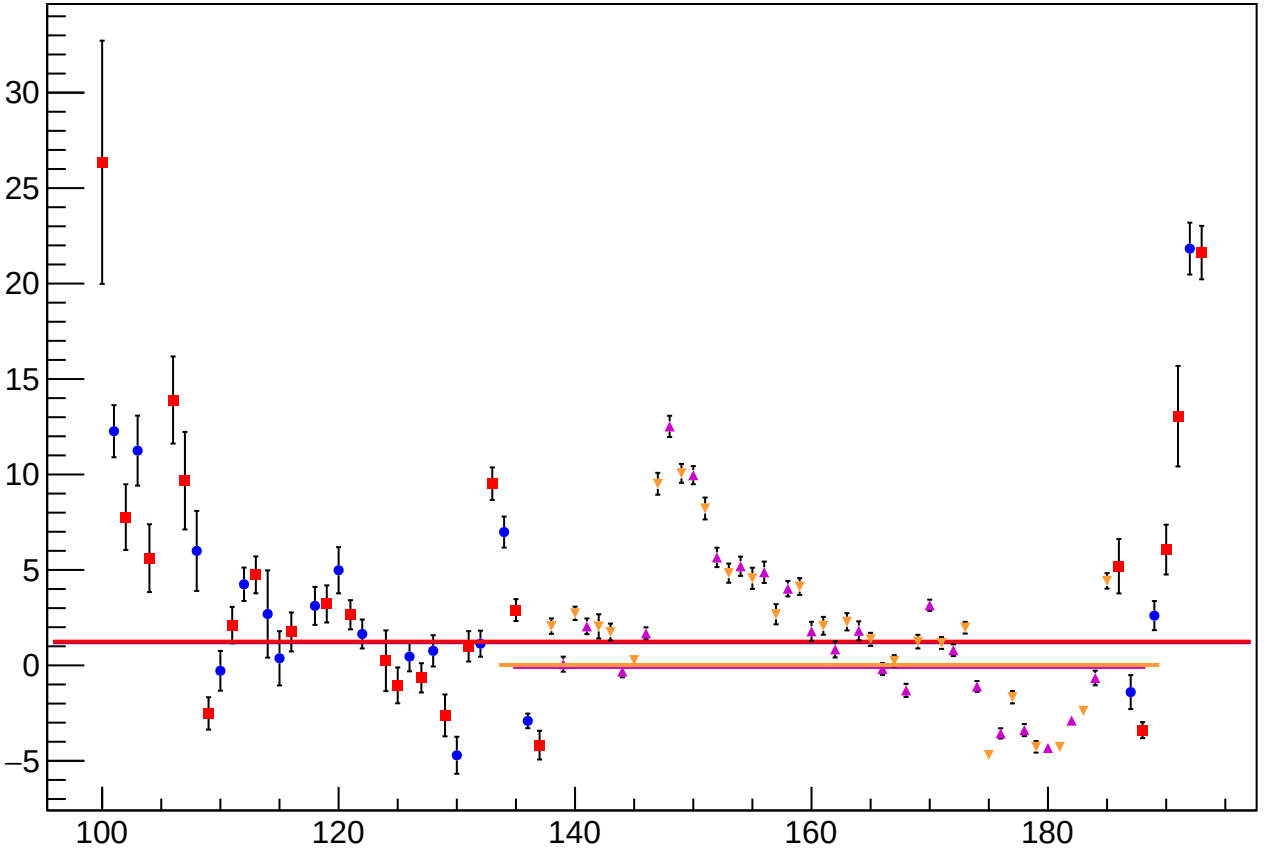
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.304+/-0.003 χ^2/NDF: 5088.9/43

All: 0.299+/-0.002 χ^2/NDF: 12418.4/90

- sign 0.295+/-0.003 χ^2/NDF: 7323.3/46

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: 1.243+/-0.191 χ^2/NDF: 673.9/23

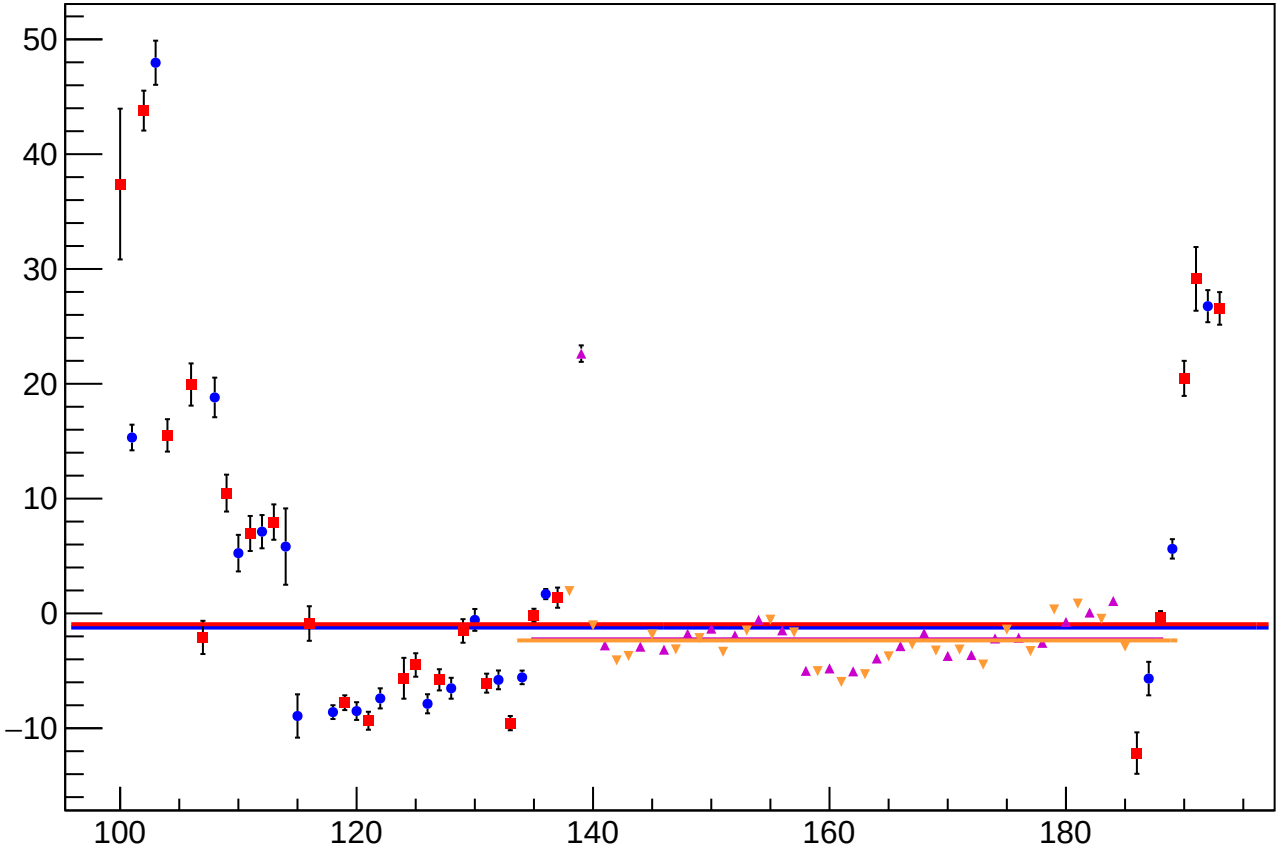
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

\+ sign 0.150+/-0.065 χ^2/NDF: 3368.9/43

All: 0.116+/-0.046 χ^2/NDF: 6550.3/90

\- sign 0.080+/-0.066 χ^2/NDF: 3180.8/46

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: -0.941+/-0.207 χ^2/NDF: 2316.9/23

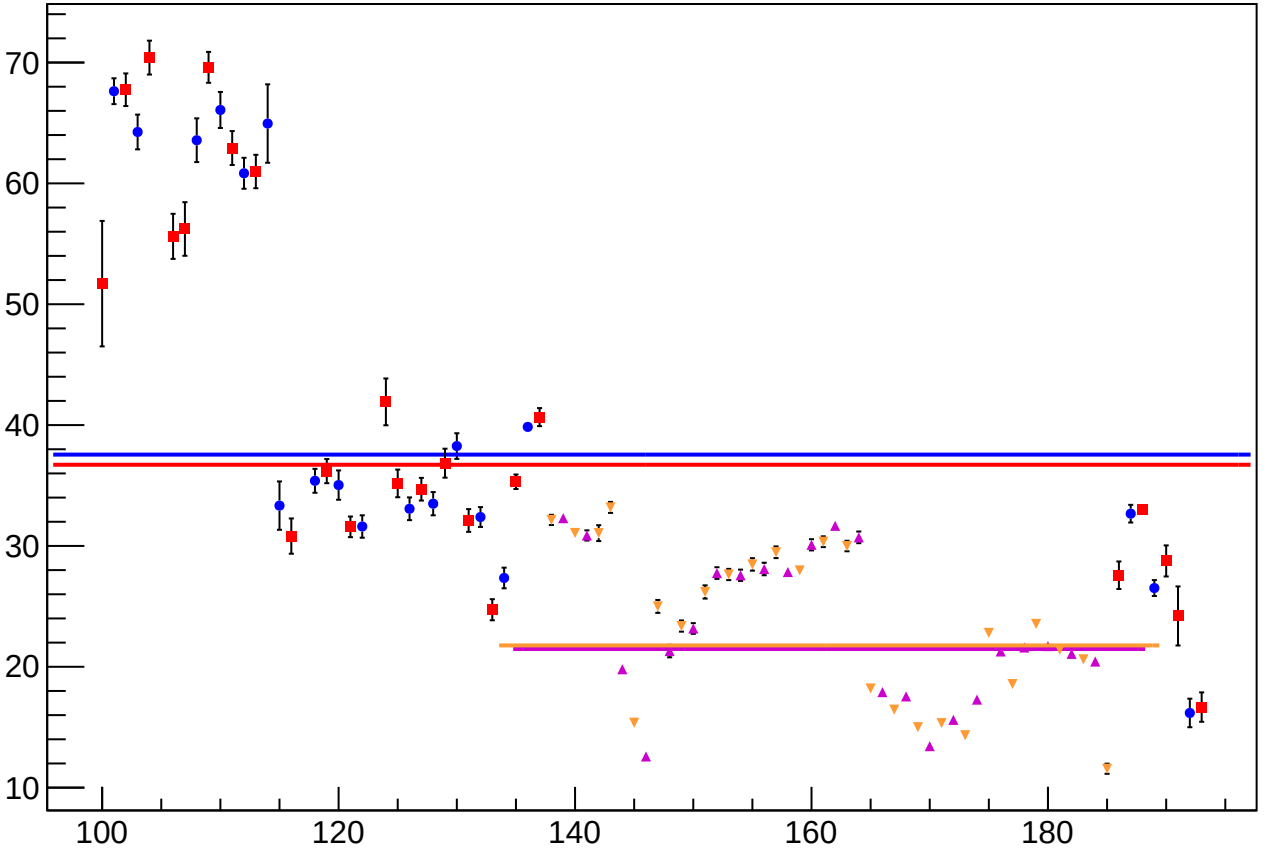
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -2.276+/-0.053 χ^2/NDF: 3224.6/43

All: -2.222+/-0.038 χ^2/NDF: 7458.3/90

- sign -2.166+/-0.054 χ^2/NDF: 4231.6/46

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: 36.716+/-0.193 χ^2/NDF: 3447.9/23

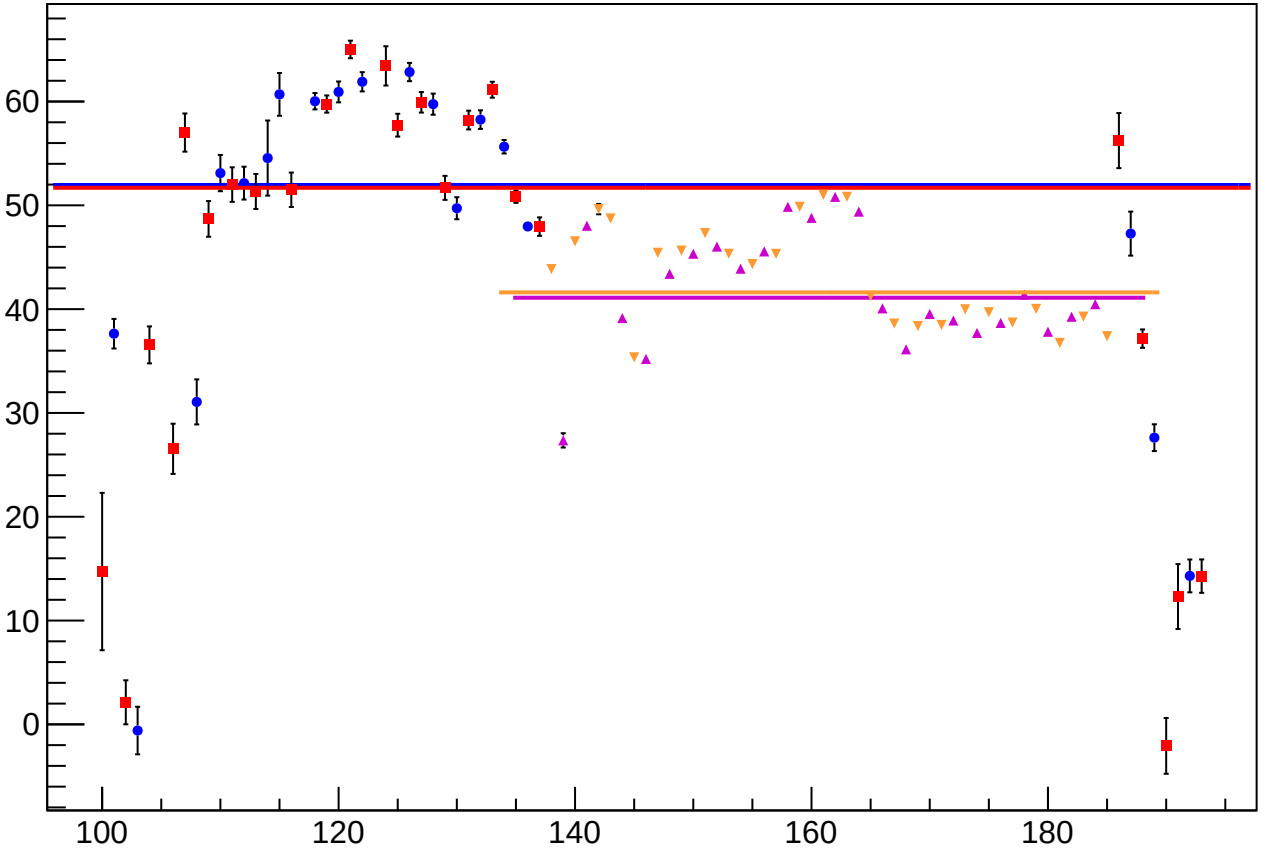
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.355+/-0.065 χ^2/NDF: 15176.2/43

All: 23.315+/-0.047 χ^2/NDF: 29923.0/90

- sign 23.274+/-0.066 χ^2/NDF: 14746.1/46

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: 51.691+/-0.241 χ^2/NDF: 2839.8/23

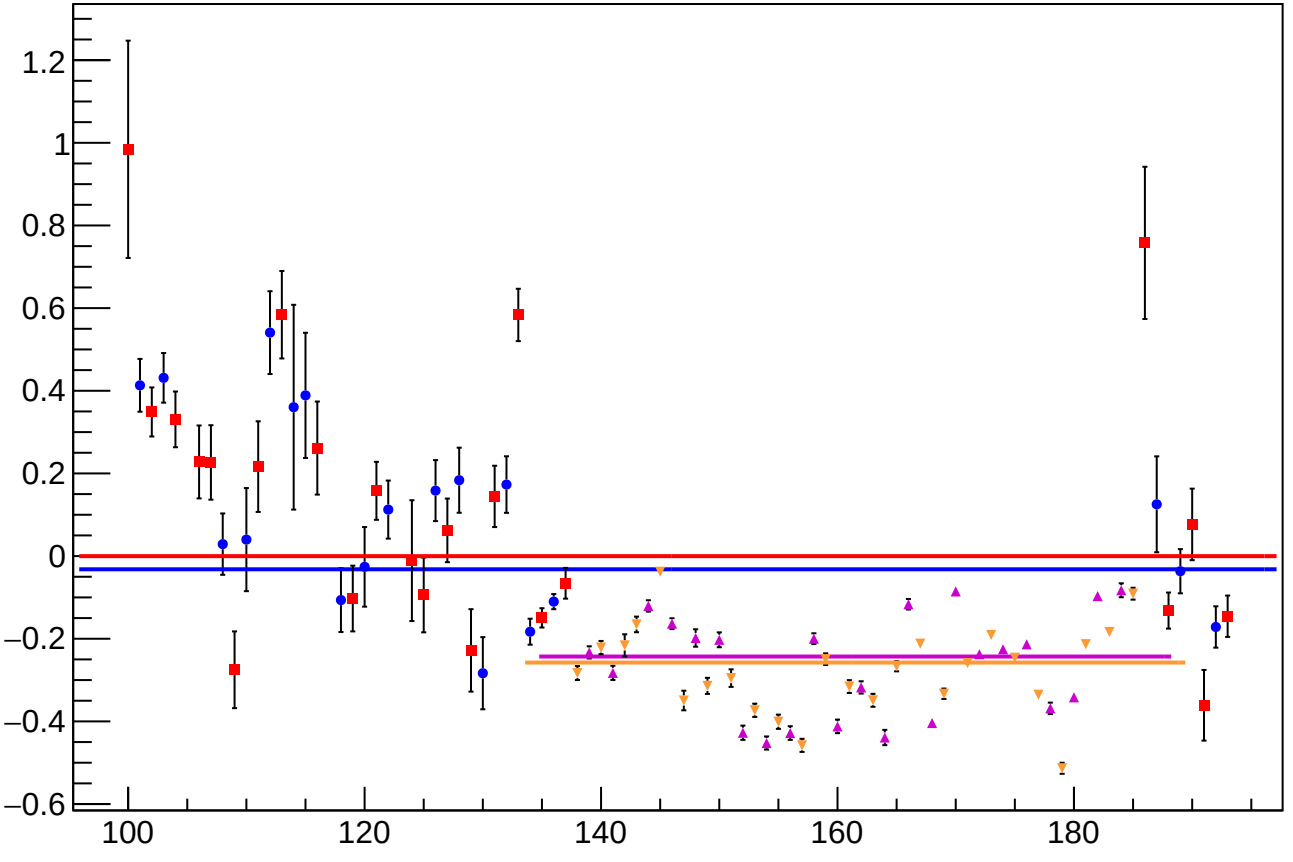
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.292+/-0.059 χ^2/NDF: 9994.0/43

All: 42.038+/-0.042 χ^2/NDF: 20166.4/90

- sign 41.771+/-0.061 χ^2/NDF: 10134.5/46

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: -0.000+/-0.013 χ^2/NDF: 333.7/23

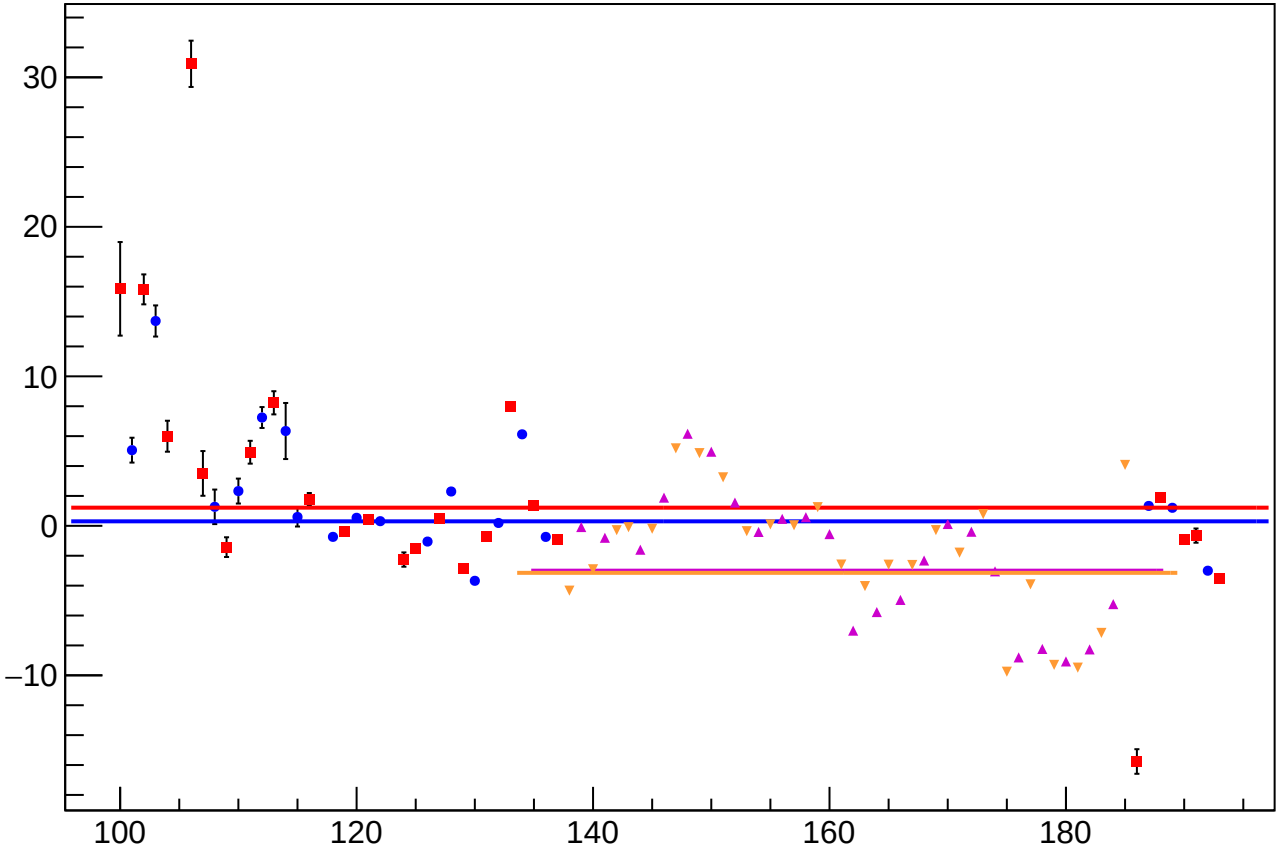
Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.247+/-0.003 χ^2/NDF: 2090.2/43

All: -0.240+/-0.002 χ^2/NDF: 4596.9/90

- sign -0.232+/-0.003 χ^2/NDF: 2492.0/46

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



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: 1.215+/-0.062 χ^2/NDF: 3162.7/23

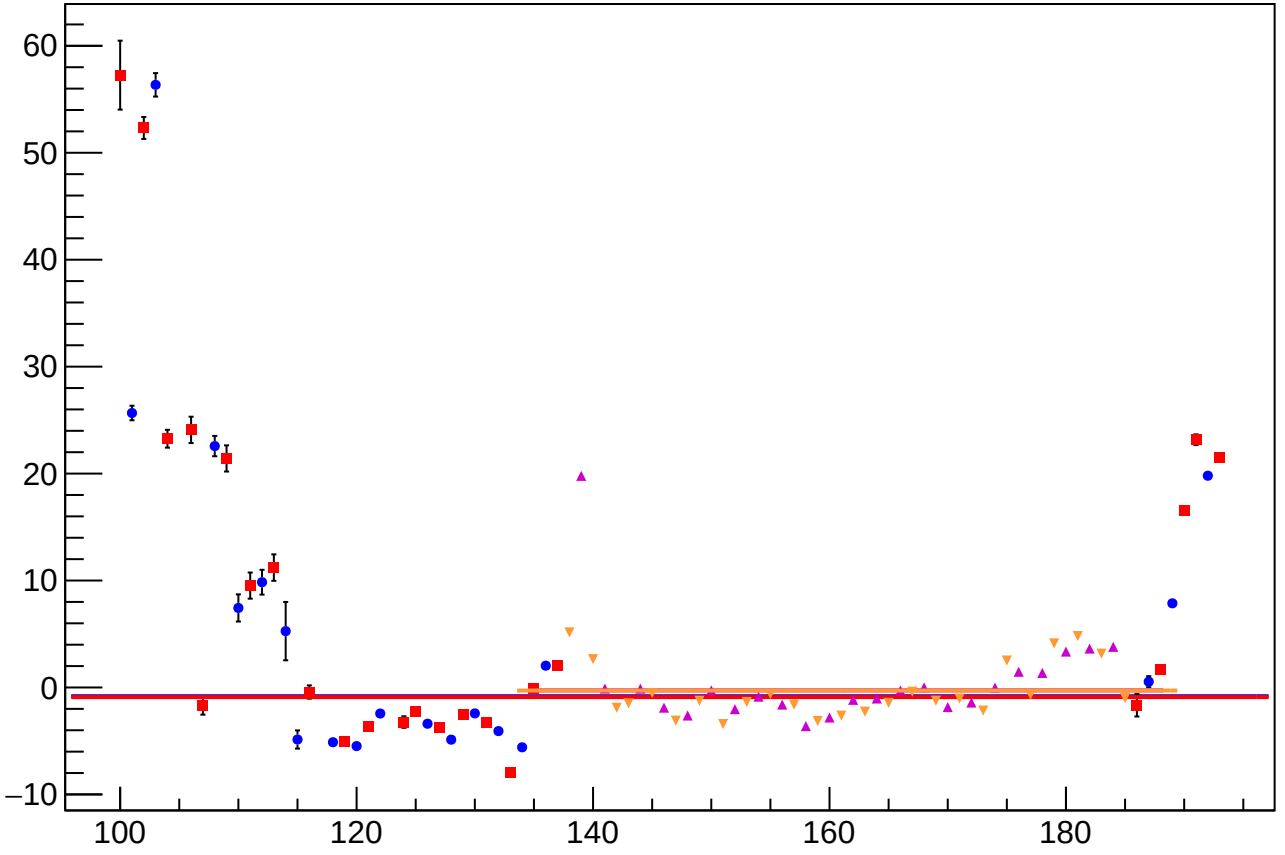
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.669+/-0.026 χ^2/NDF: 28753.8/43

All: -2.471+/-0.018 χ^2/NDF: 58244.4/90

- sign -2.272+/-0.026 χ^2/NDF: 29372.5/46

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: -0.899+/-0.063 χ^2/NDF: 17921.1/23

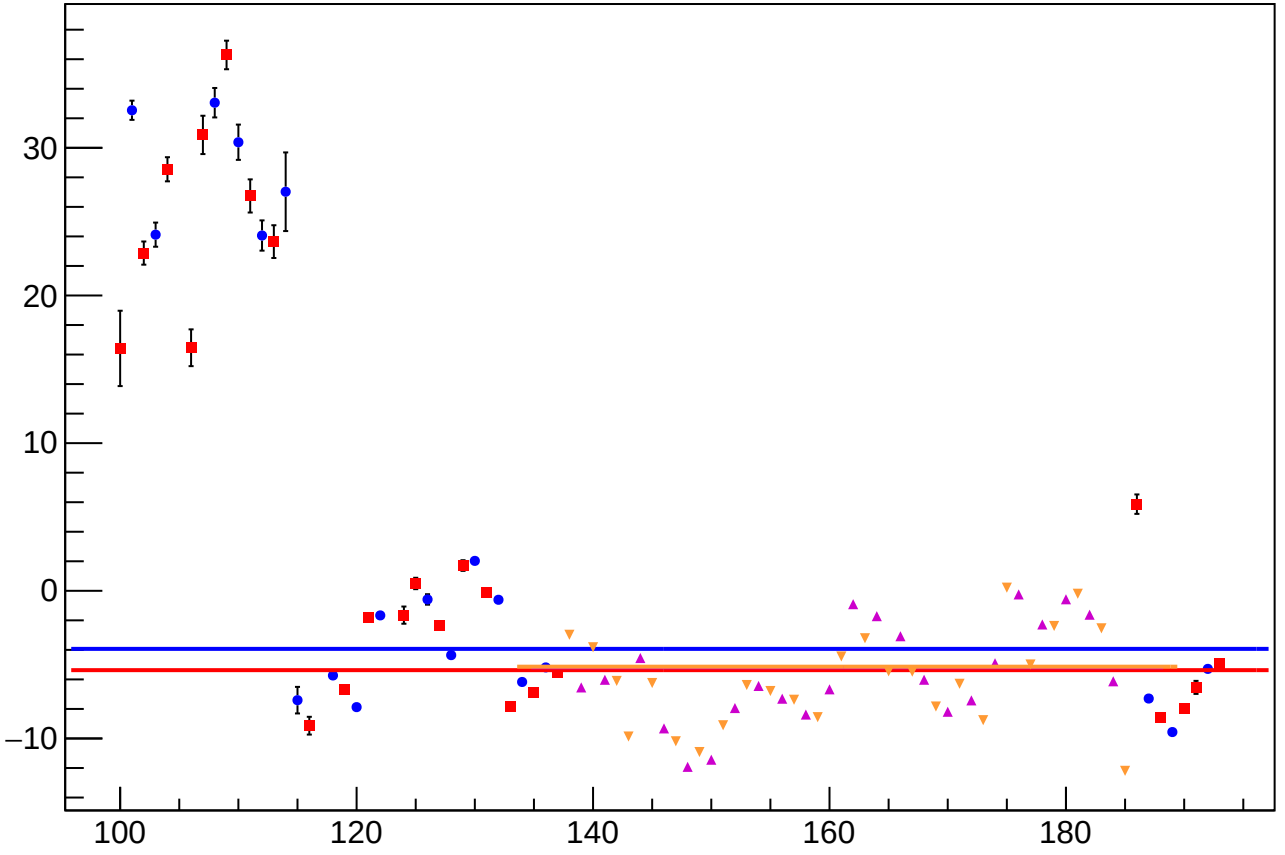
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign -0.340+/-0.021 χ^2/NDF: 26280.5/43

All: -0.341+/-0.015 χ^2/NDF: 57511.4/90

- sign -0.341+/-0.021 χ^2/NDF: 31230.9/46

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: -5.373+/-0.060 χ^2/NDF: 10460.3/23

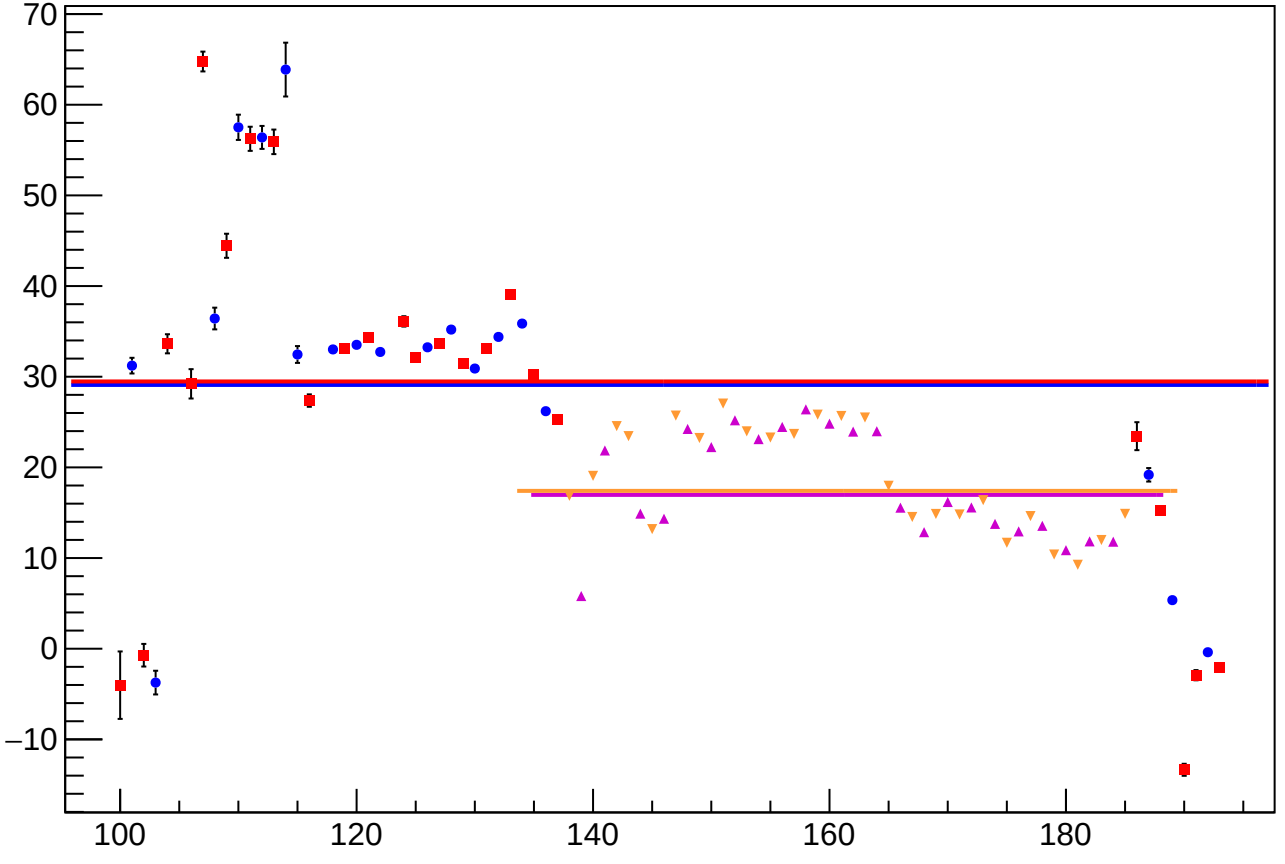
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.978+/-0.026 χ^2/NDF: 24186.9/43

All: -5.096+/-0.018 χ^2/NDF: 48661.0/90

- sign -5.213+/-0.026 χ^2/NDF: 24432.6/46

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: 29.478+/-0.075 χ^2/NDF: 25018.8/23

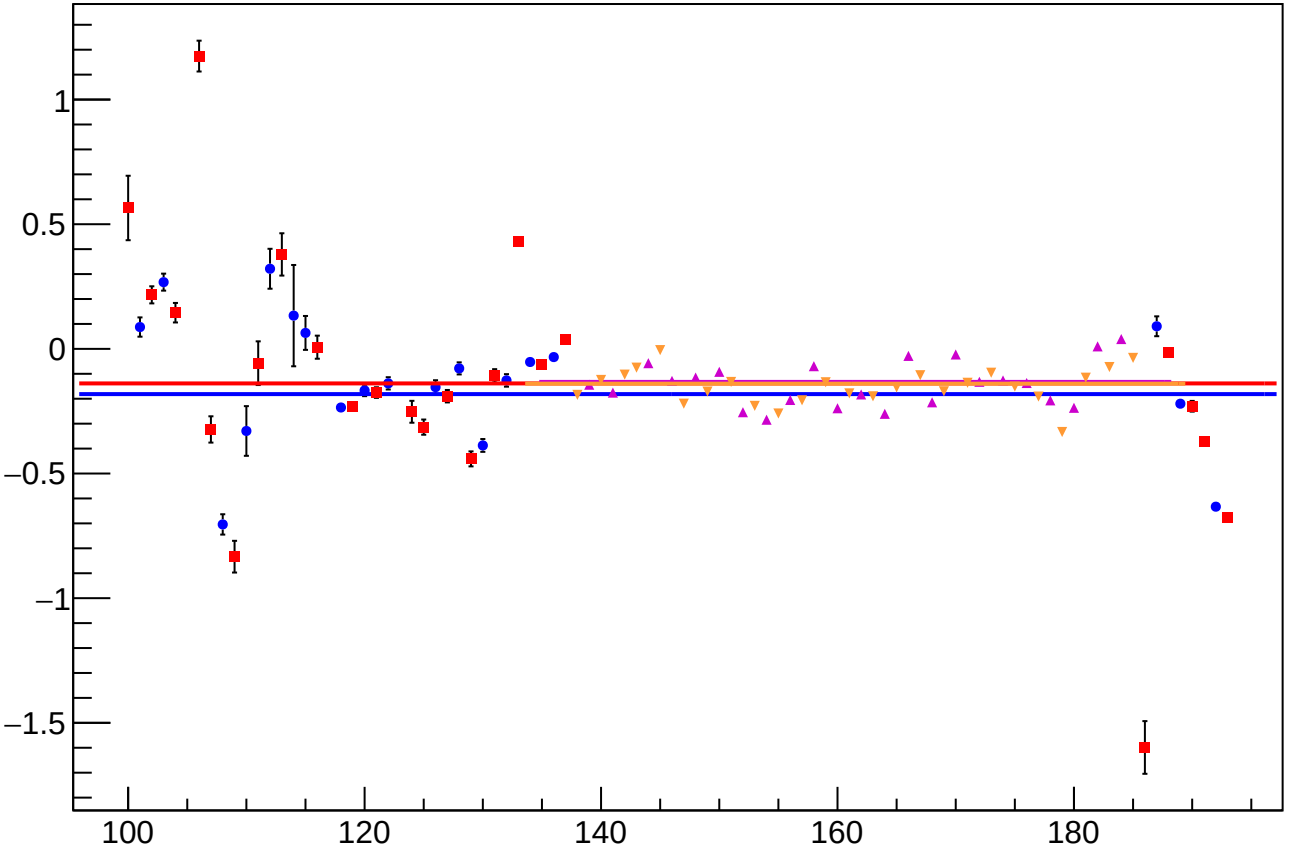
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 18.480+/-0.023 χ^2/NDF: 88073.2/43

All: 18.355+/-0.017 χ^2/NDF: 178264.6/90

- sign 18.226+/-0.024 χ^2/NDF: 90132.8/46

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: -0.139+/-0.004 χ^2/NDF: 5534.9/23

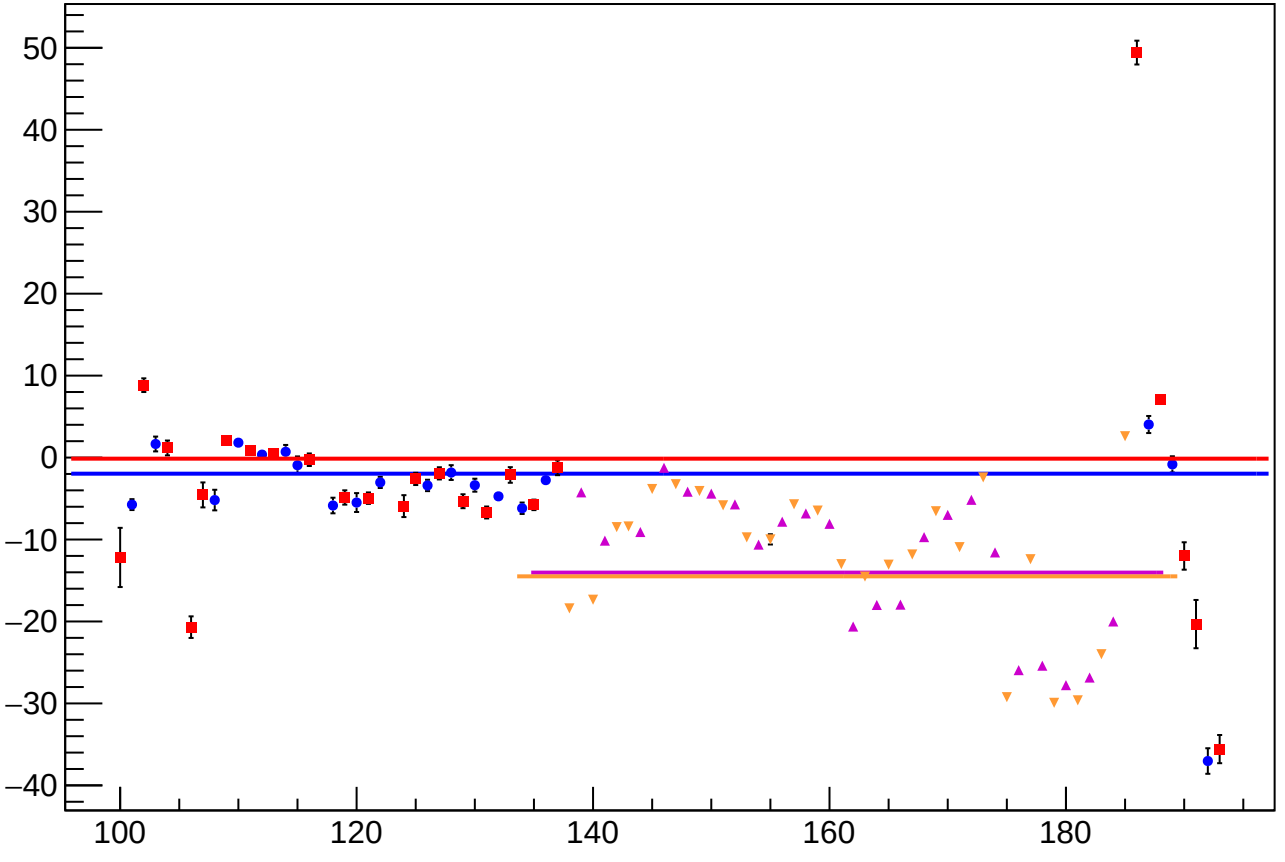
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.142+/-0.001 χ^2/NDF: 7302.6/43

All: -0.138+/-0.001 χ^2/NDF: 18408.4/90

- sign -0.133+/-0.001 χ^2/NDF: 11066.6/46

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: -0.133+/-0.141 χ^2/NDF: 2622.0/23

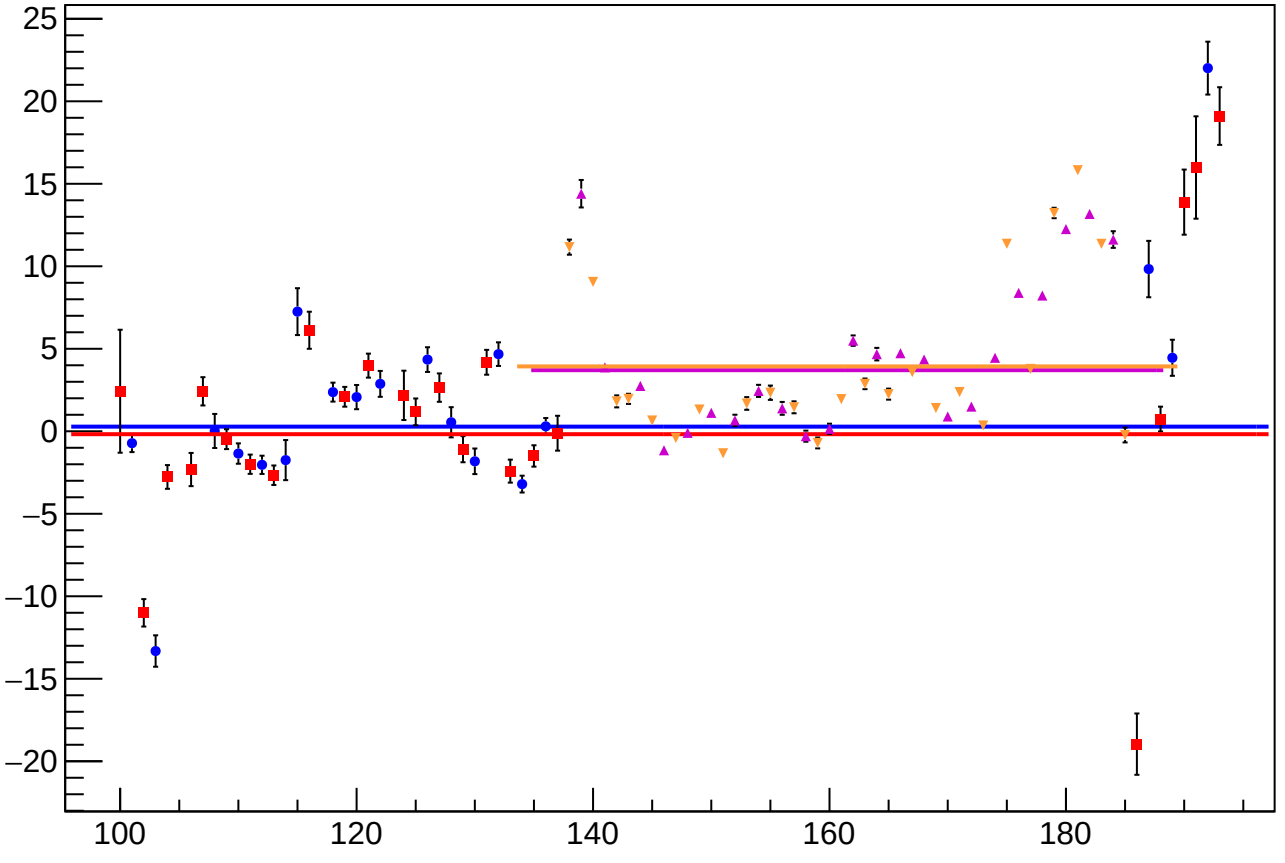
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.073+/-0.067 χ^2/NDF: 23498.9/43

All: -11.467+/-0.048 χ^2/NDF: 47264.3/90

- sign -10.856+/-0.067 χ^2/NDF: 23602.0/46

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: -0.176+/-0.170 χ^2/NDF: 671.7/23

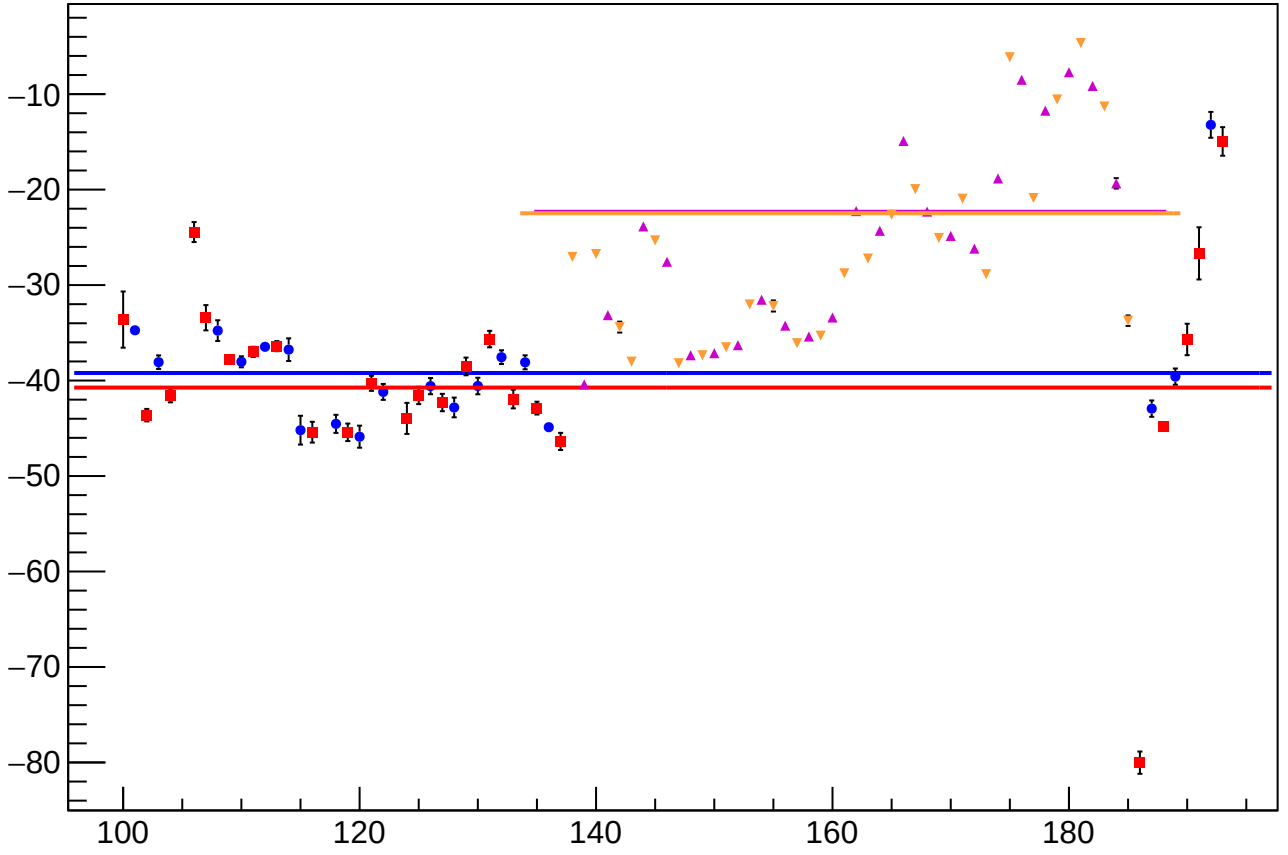
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.549+/-0.055 χ^2/NDF: 8035.9/43

All: 3.418+/-0.039 χ^2/NDF: 13971.9/90

- sign 3.282+/-0.056 χ^2/NDF: 5924.4/46

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -39.207+/-0.171 χ^2/NDF: 798.3/18

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -40.736+/-0.163 χ^2/NDF: 2151.7/23

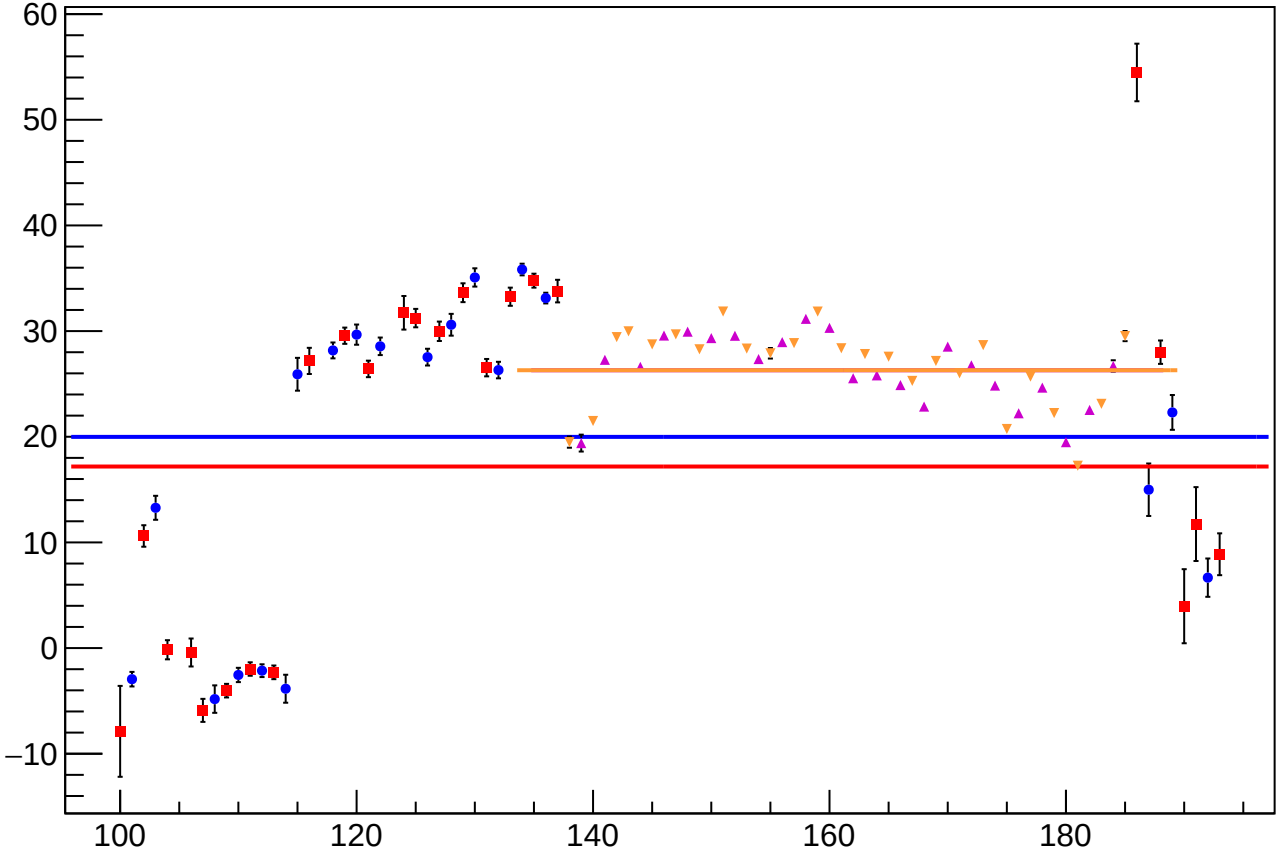
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

\+ sign -25.156+/-0.069 χ^2/NDF: 29226.4/43

All: -25.401+/-0.049 χ^2/NDF: 58996.9/90

\- sign -25.653+/-0.069 χ^2/NDF: 29744.5/46

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: 17.182+/-0.194 χ^2/NDF: 7060.3/23

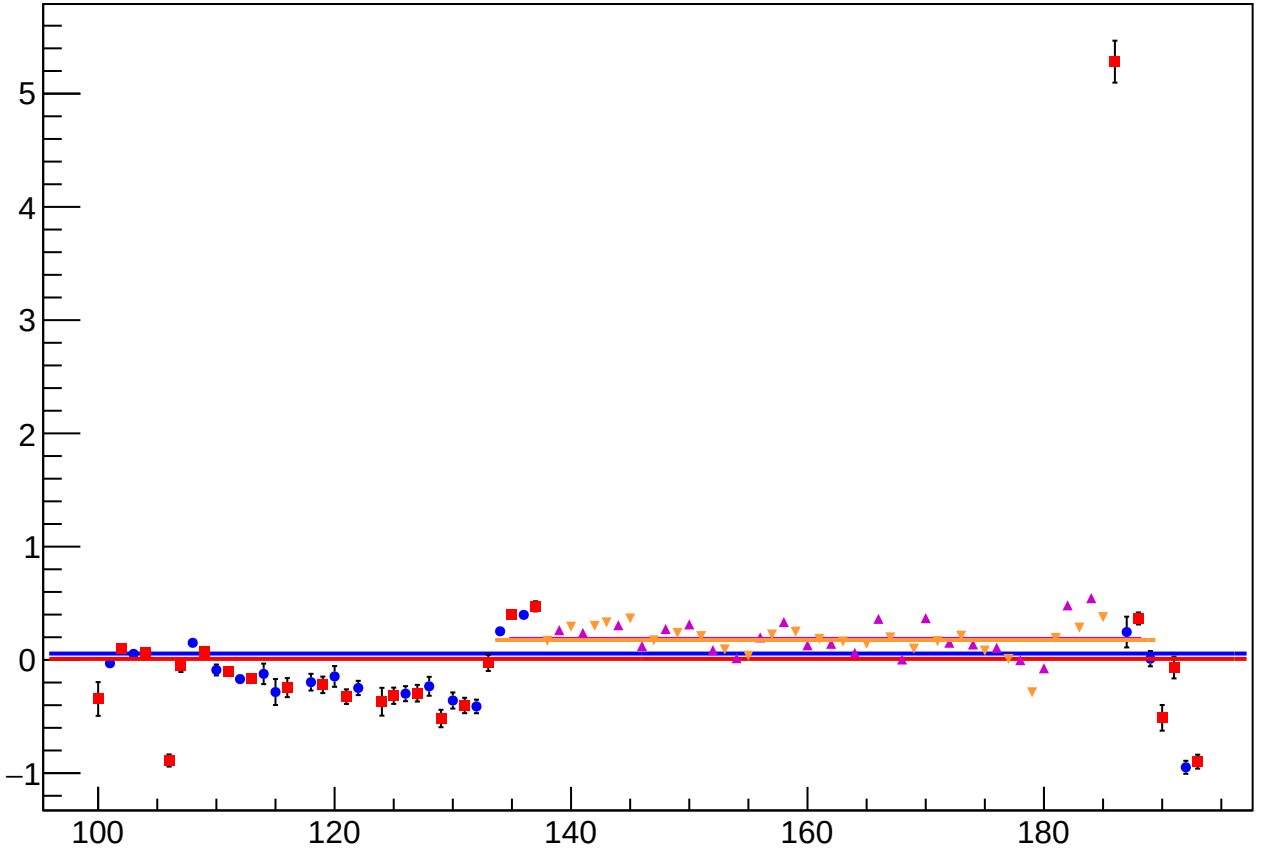
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.644+/-0.062 χ^2/NDF: 11023.8/43

All: 25.493+/-0.044 χ^2/NDF: 22246.0/90

- sign 25.335+/-0.063 χ^2/NDF: 11209.9/46

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: 0.009+/-0.010 χ^2/NDF: 1928.6/23

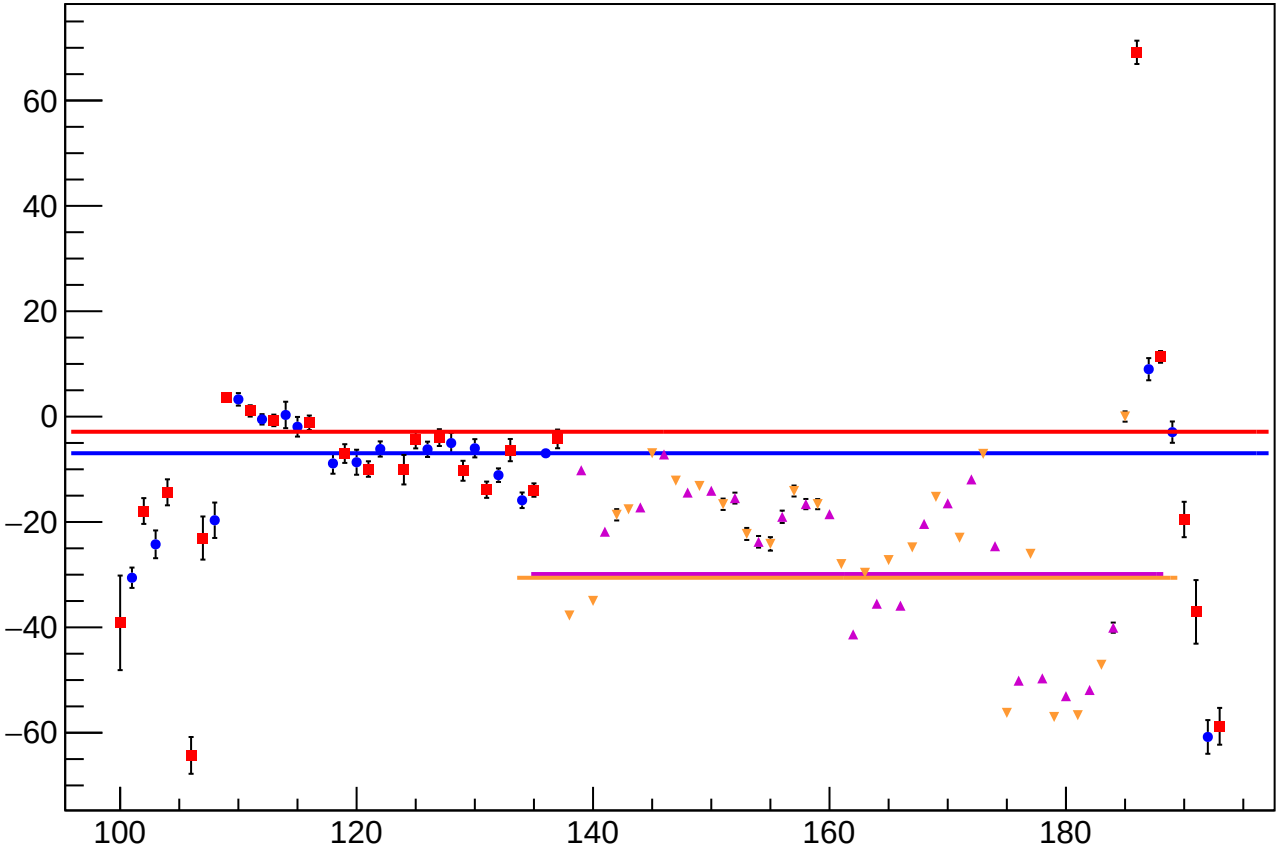
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.166+/-0.003 χ^2/NDF: 2947.6/43

All: 0.169+/-0.002 χ^2/NDF: 7677.7/90

- sign 0.172+/-0.003 χ^2/NDF: 4728.2/46

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: -2.873+/-0.342 χ^2/NDF: 2190.1/23

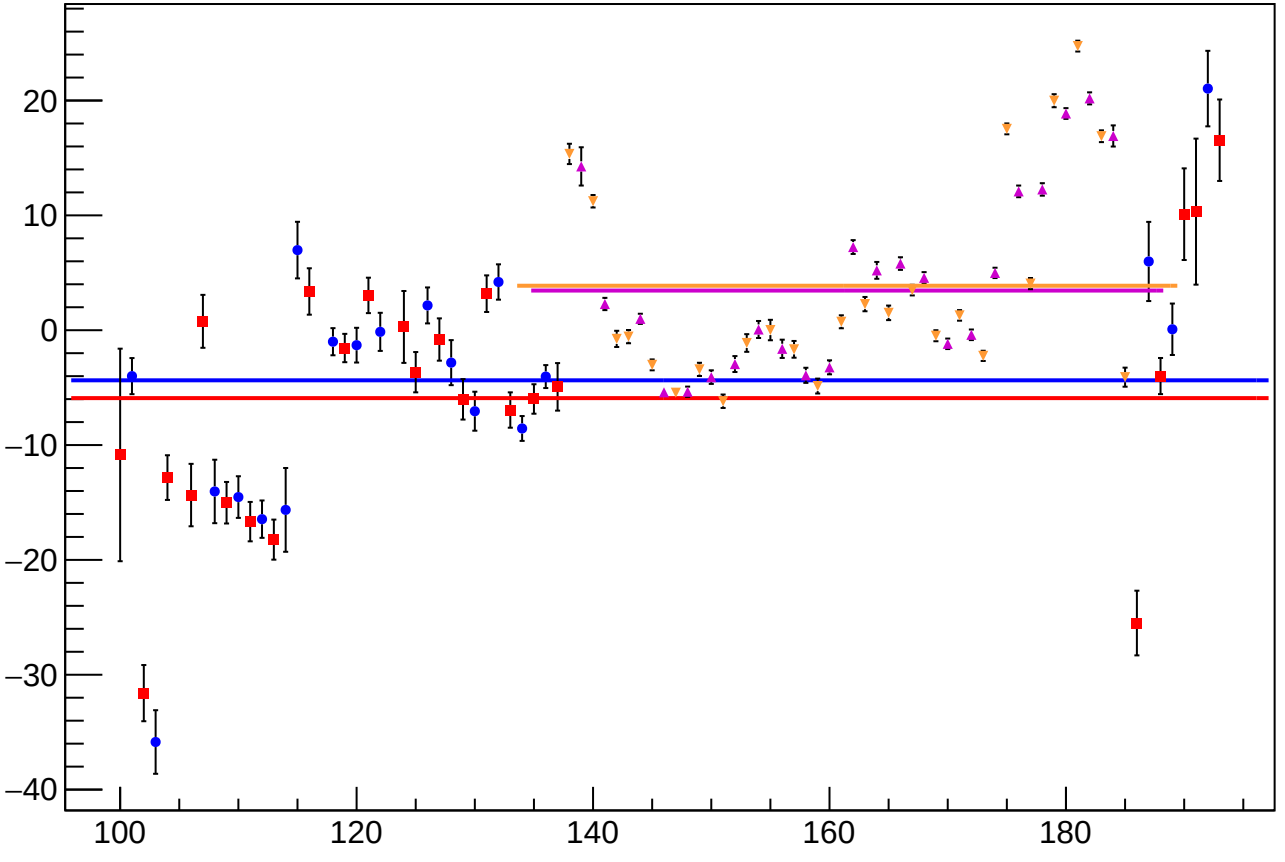
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -27.421+/-0.132 χ^2/NDF: 20485.5/43

All: -26.576+/-0.094 χ^2/NDF: 40067.3/90

- sign -25.703+/-0.134 χ^2/NDF: 19498.7/46

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: -5.913+/-0.393 χ^2/NDF: 482.1/23

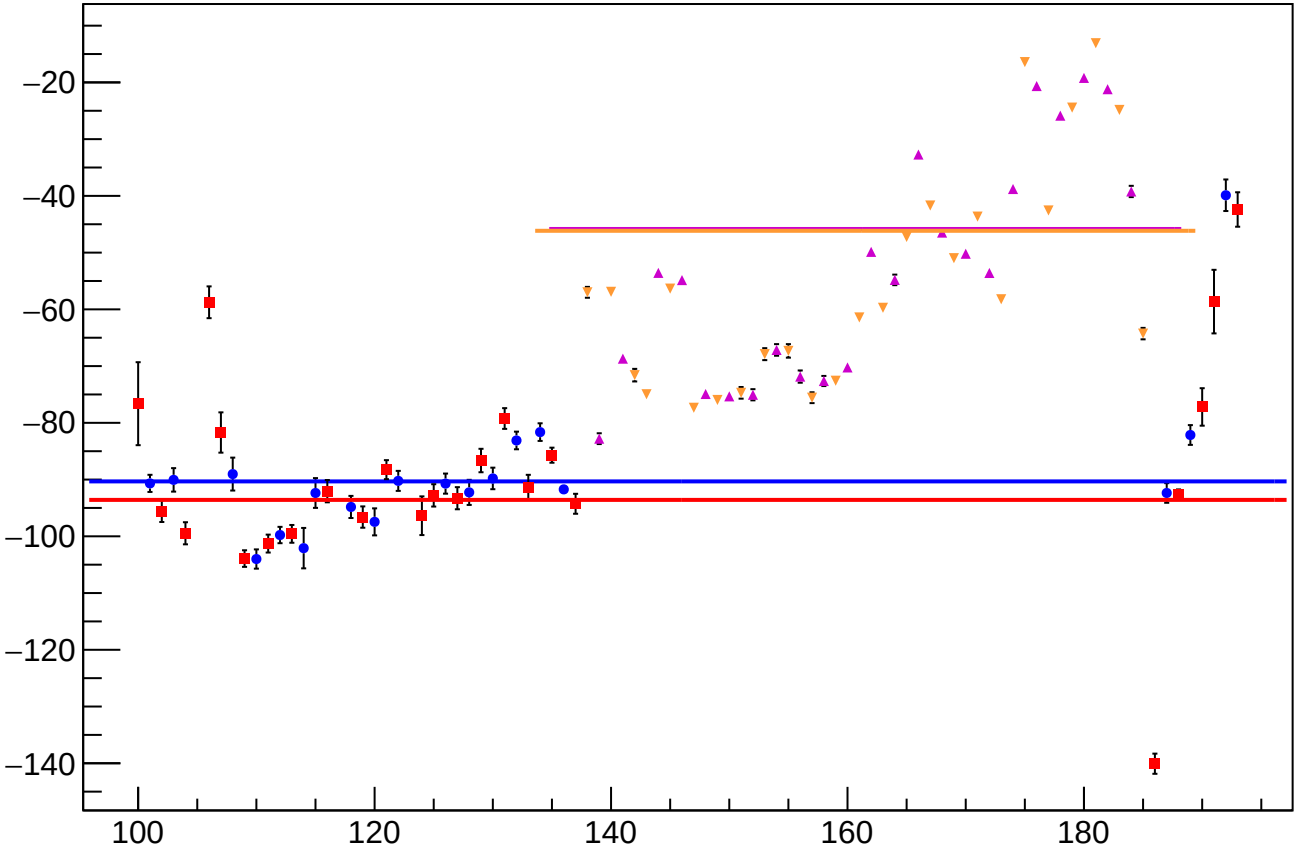
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.236+/-0.107 χ^2/NDF: 7383.1/43

All: 2.990+/-0.076 χ^2/NDF: 13092.8/90

- sign 2.731+/-0.109 χ^2/NDF: 5698.8/46

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



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: -93.582+/-0.379 χ^2/NDF: 1426.4/23

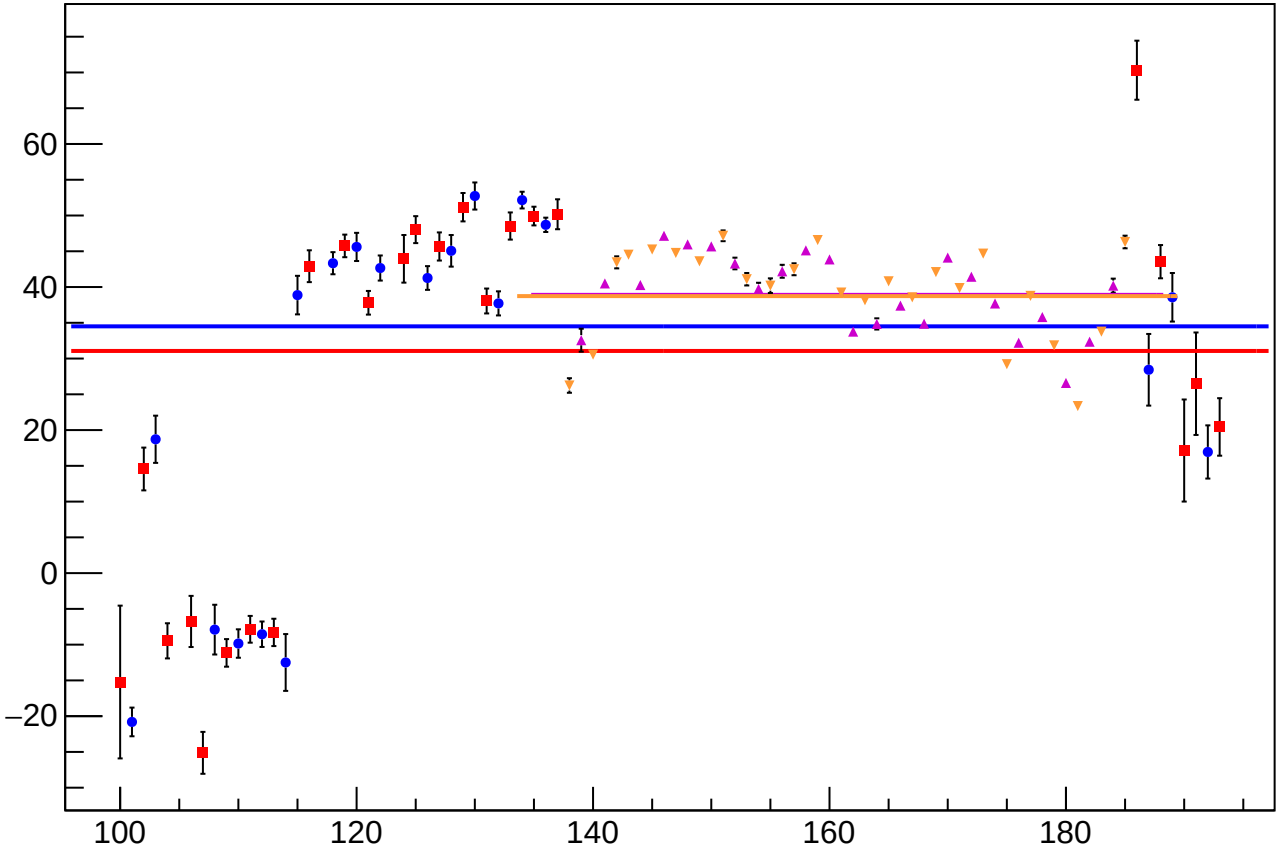
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -51.195+/-0.134 χ^2/NDF: 32980.1/43

All: -51.597+/-0.096 χ^2/NDF: 66187.4/90

- sign -52.012+/-0.136 χ^2/NDF: 33189.1/46

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: 31.063+/-0.451 χ^2/NDF: 3044.5/23

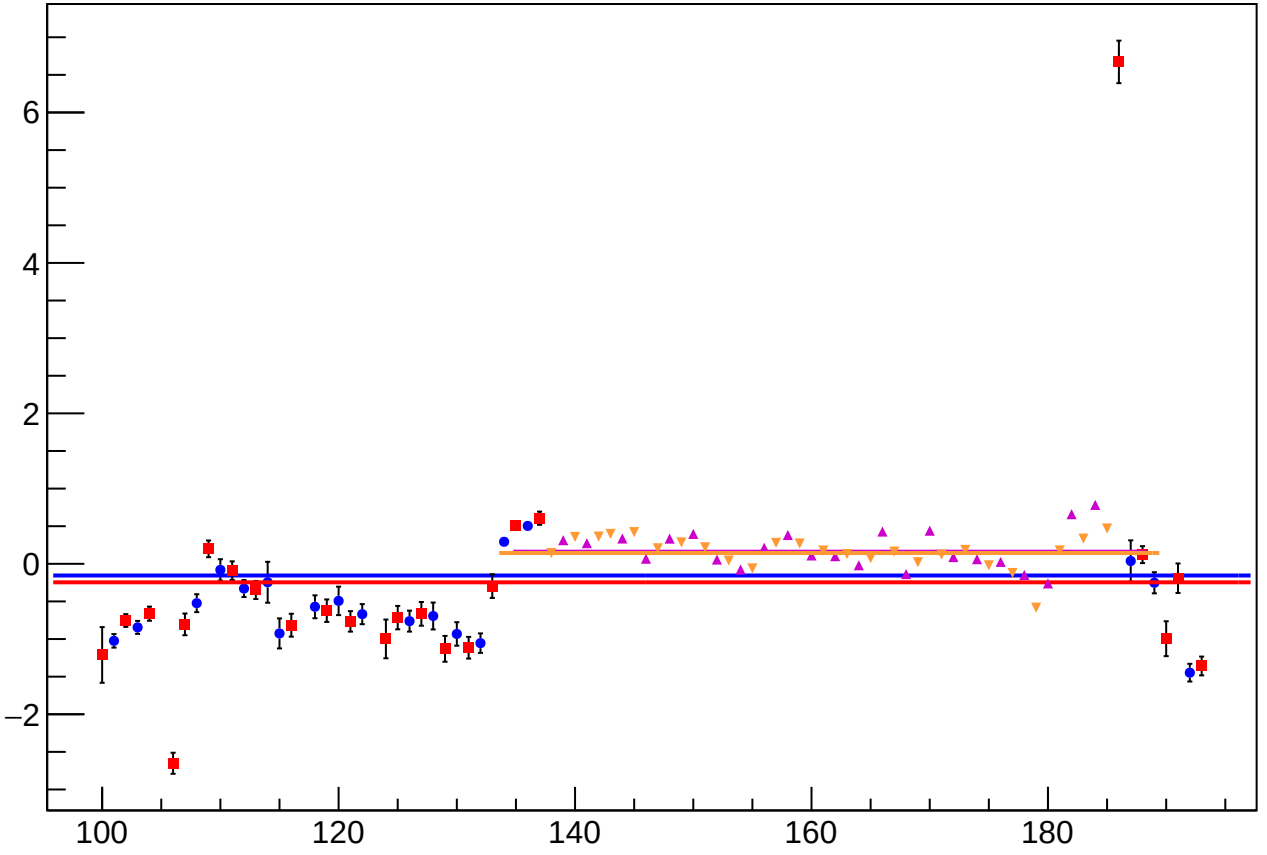
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

\+ sign 38.408+/-0.120 χ^2/NDF: 5704.1/43

All: 38.367+/-0.086 χ^2/NDF: 11001.0/90

\- sign 38.324+/-0.123 χ^2/NDF: 5296.7/46

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

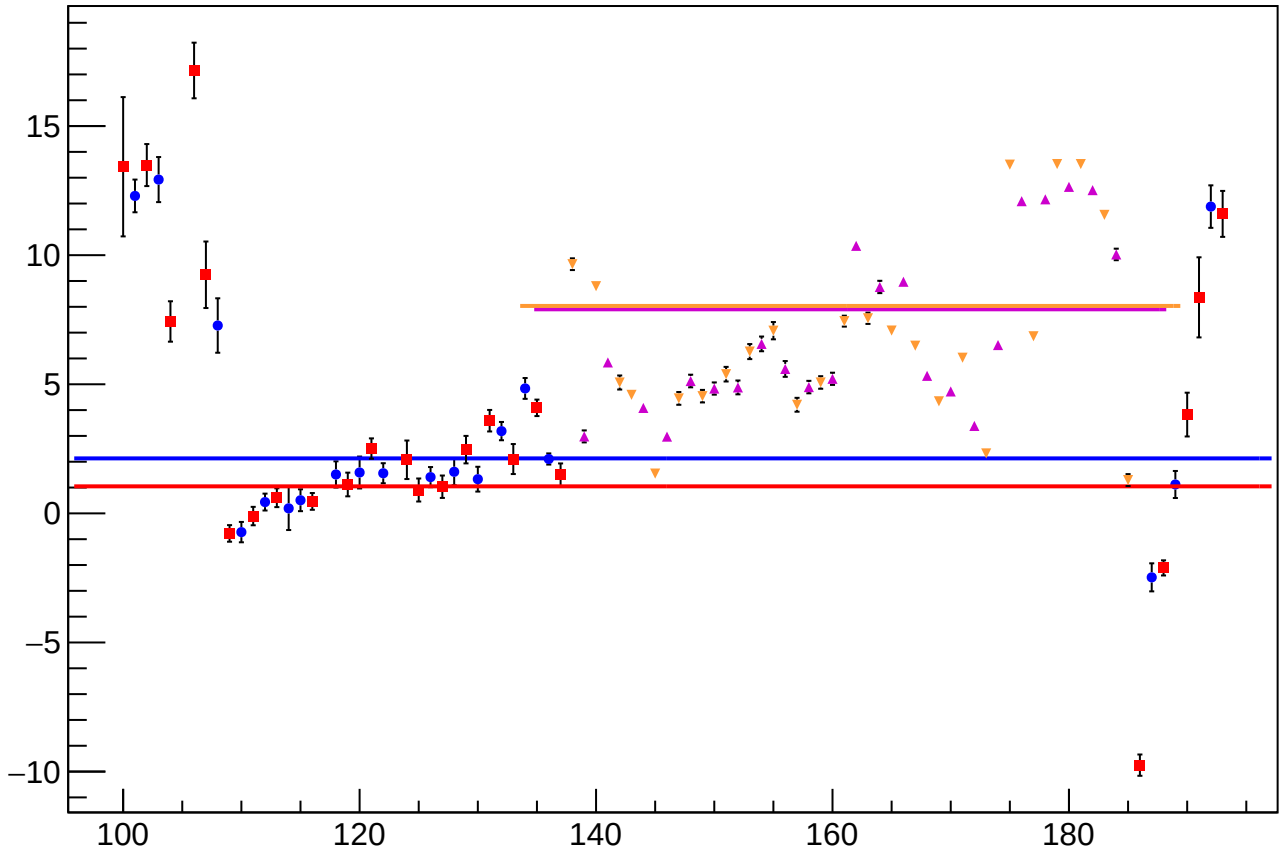
Right Out: -0.246+/-0.025 χ^2/NDF: 1523.3/23

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.127+/-0.005 χ^2/NDF: 2358.7/43

All: 0.134+/-0.004 χ^2/NDF: 6062.4/90

- sign 0.141+/-0.006 χ^2/NDF: 3700.6/46



Right In: 2.130+/-0.100 χ^2/NDF: 815.7/18

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.047+/-0.095 χ^2/NDF: 1762.9/23

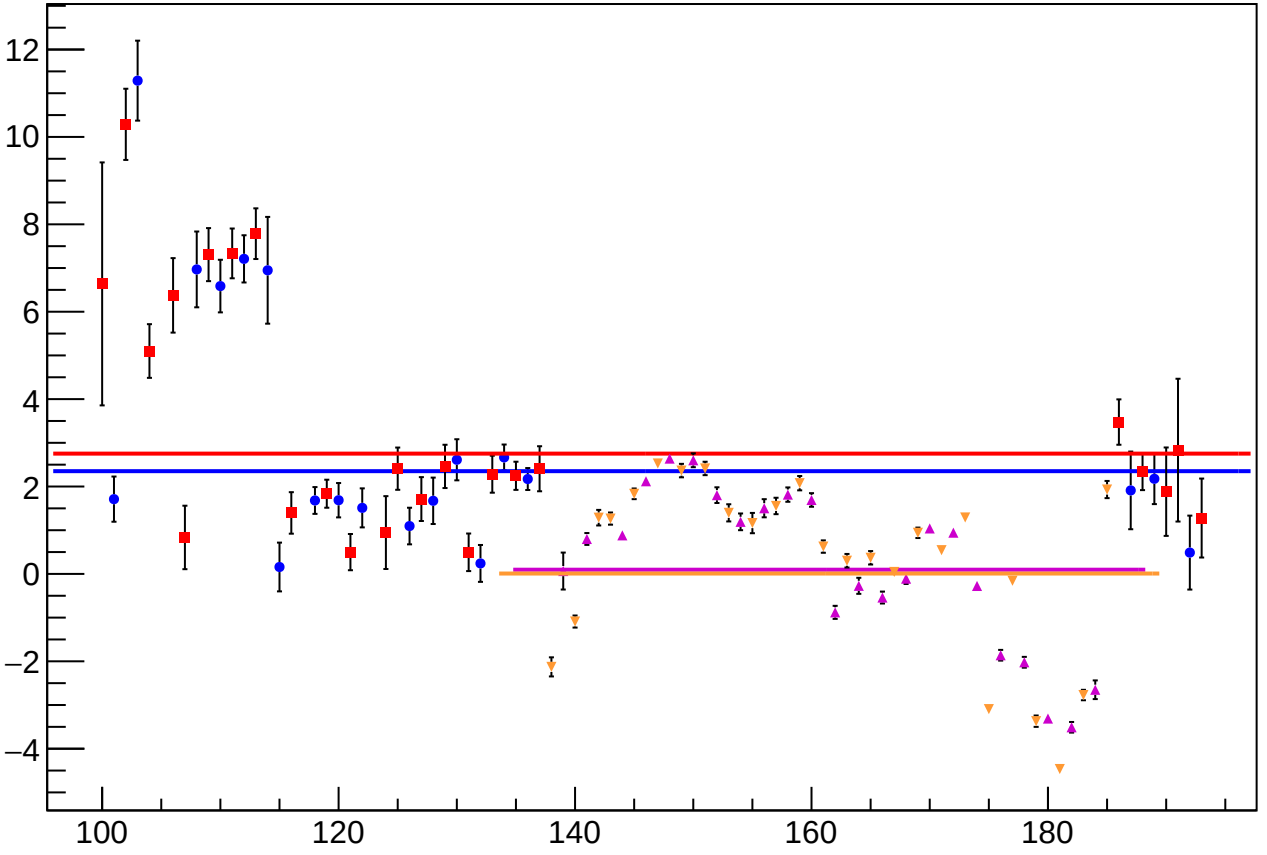
Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.403+/-0.033 χ^2/NDF: 17829.7/43

All: 7.231+/-0.023 χ^2/NDF: 34214.7/90

- sign 7.053+/-0.034 χ^2/NDF: 16329.2/46

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



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: 2.753+/-0.107 χ^2/NDF: 417.4/23

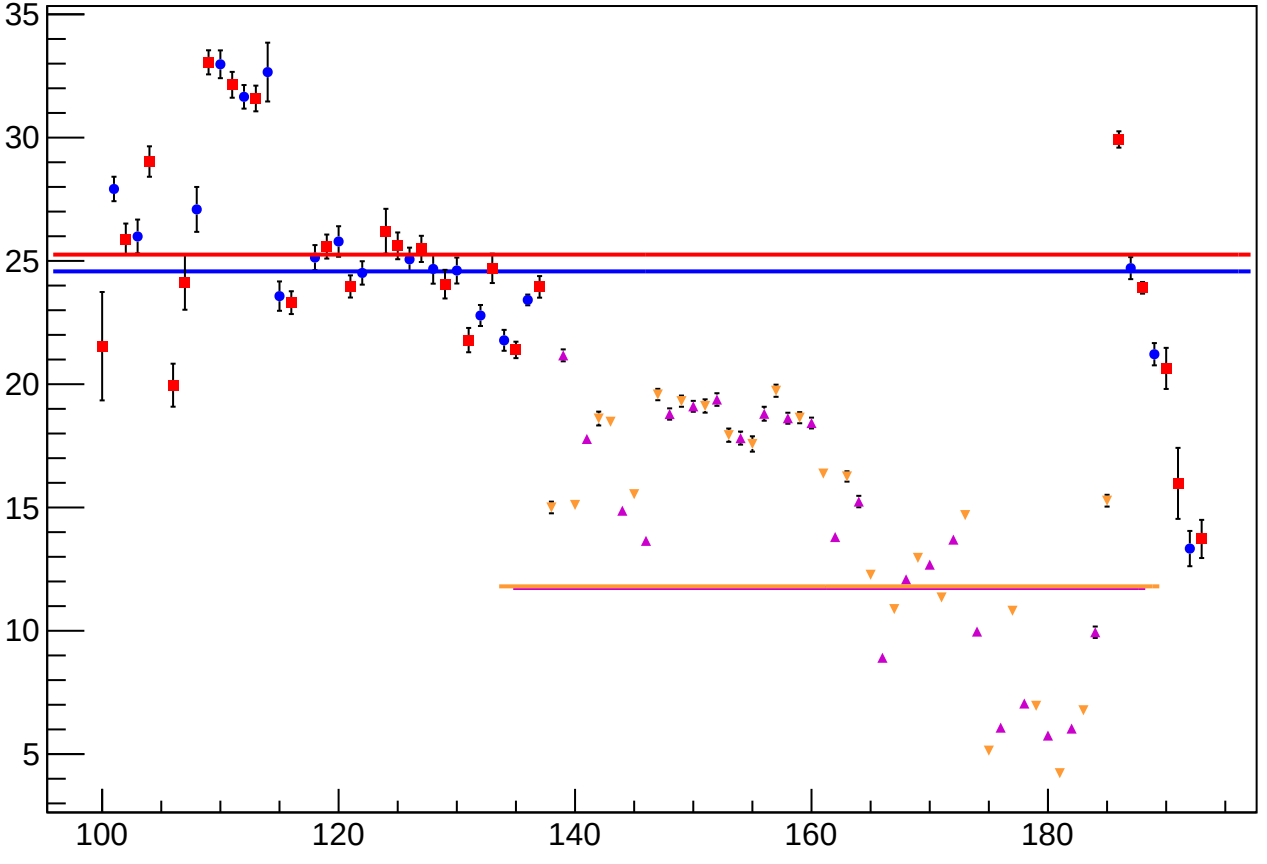
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.159+/-0.027 χ^2/NDF: 6566.9/43

All: 0.212+/-0.019 χ^2/NDF: 11997.2/90

- sign 0.266+/-0.027 χ^2/NDF: 5422.3/46

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: 25.256+/-0.102 χ^2/NDF: 1405.2/23

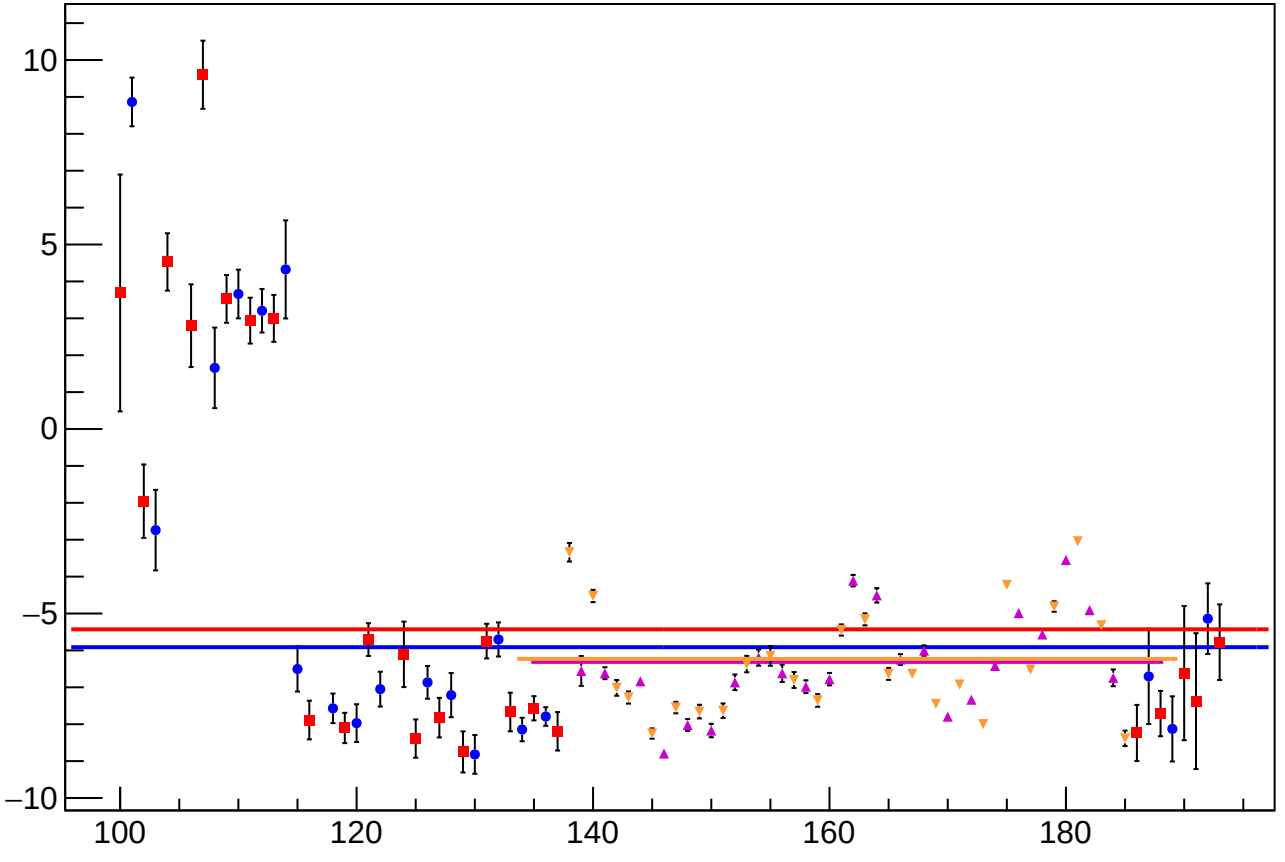
Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

\+ sign 12.987+/-0.033 χ^2/NDF: 34896.0/43

All: 13.097+/-0.024 χ^2/NDF: 69889.5/90

\- sign 13.211+/-0.034 χ^2/NDF: 34971.1/46

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: -5.429+/-0.123 χ^2/NDF: 1323.6/23

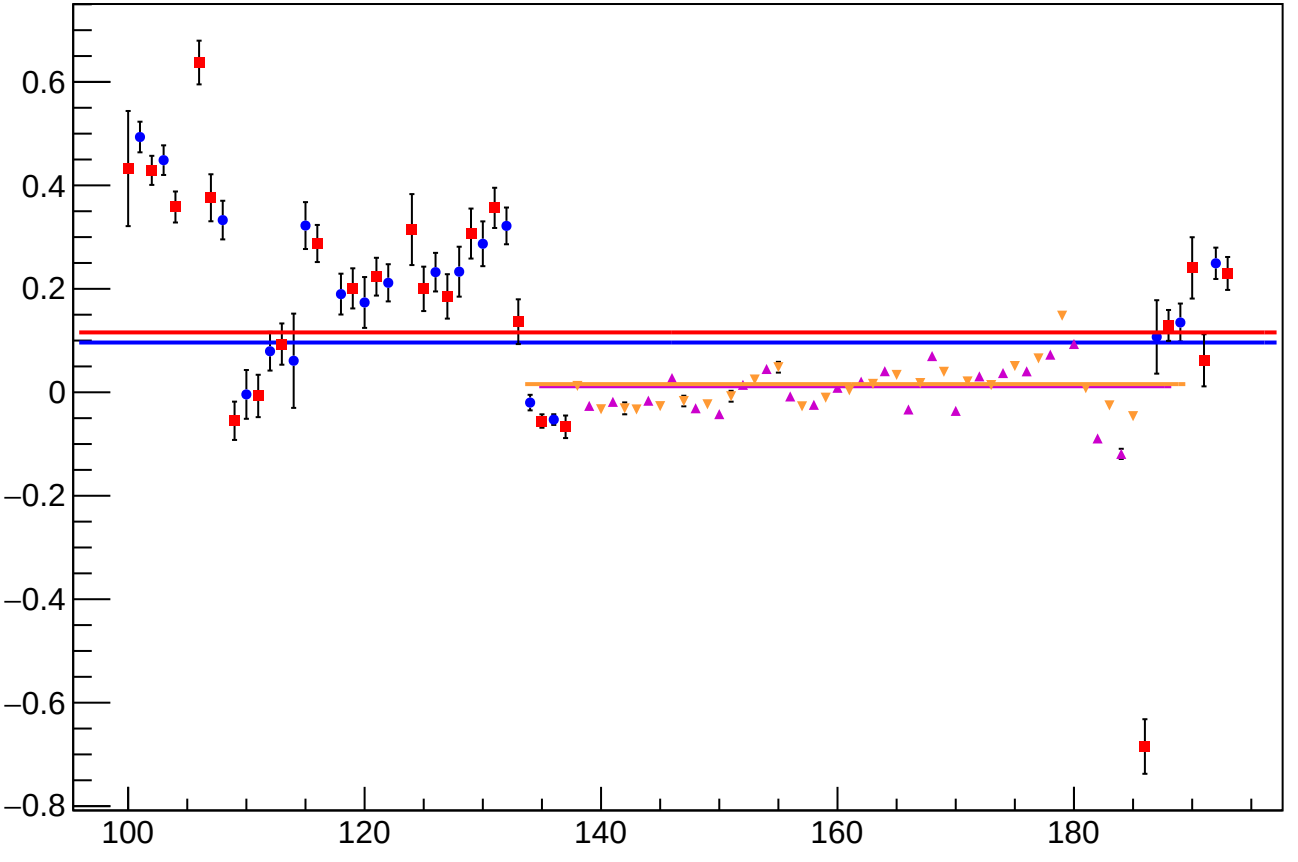
Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.210+/-0.030 χ^2/NDF: 3715.7/43

All: -6.233+/-0.021 χ^2/NDF: 7118.6/90

- sign -6.258+/-0.030 χ^2/NDF: 3401.7/46

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.096+/-0.006 χ^2/NDF: 796.4/18

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

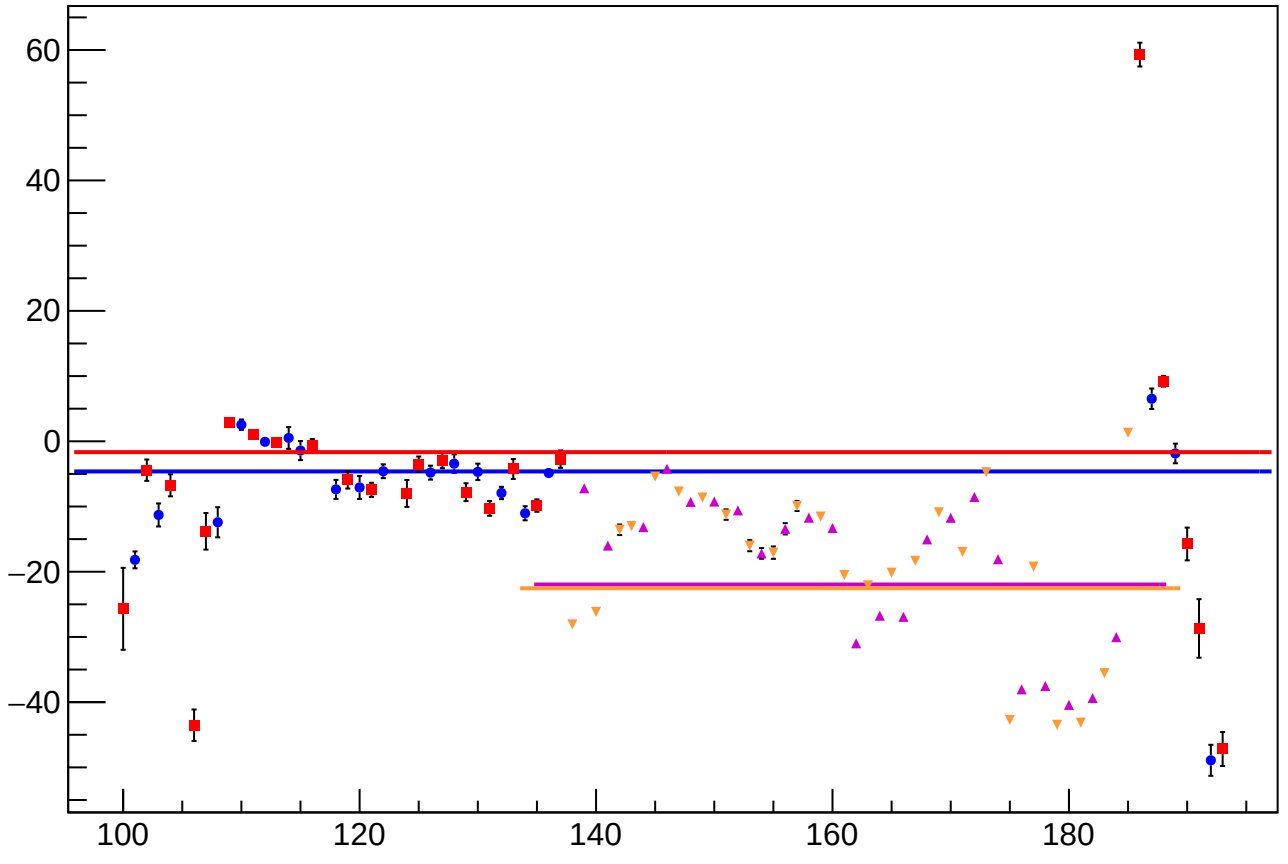
Right Out: 0.116+/-0.007 χ^2/NDF: 1012.2/23

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: 4423.3/90

- sign 0.016+/-0.001 χ^2/NDF: 2535.6/46



Right In: -4.621+/-0.259 χ^2/NDF: 733.0/18

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

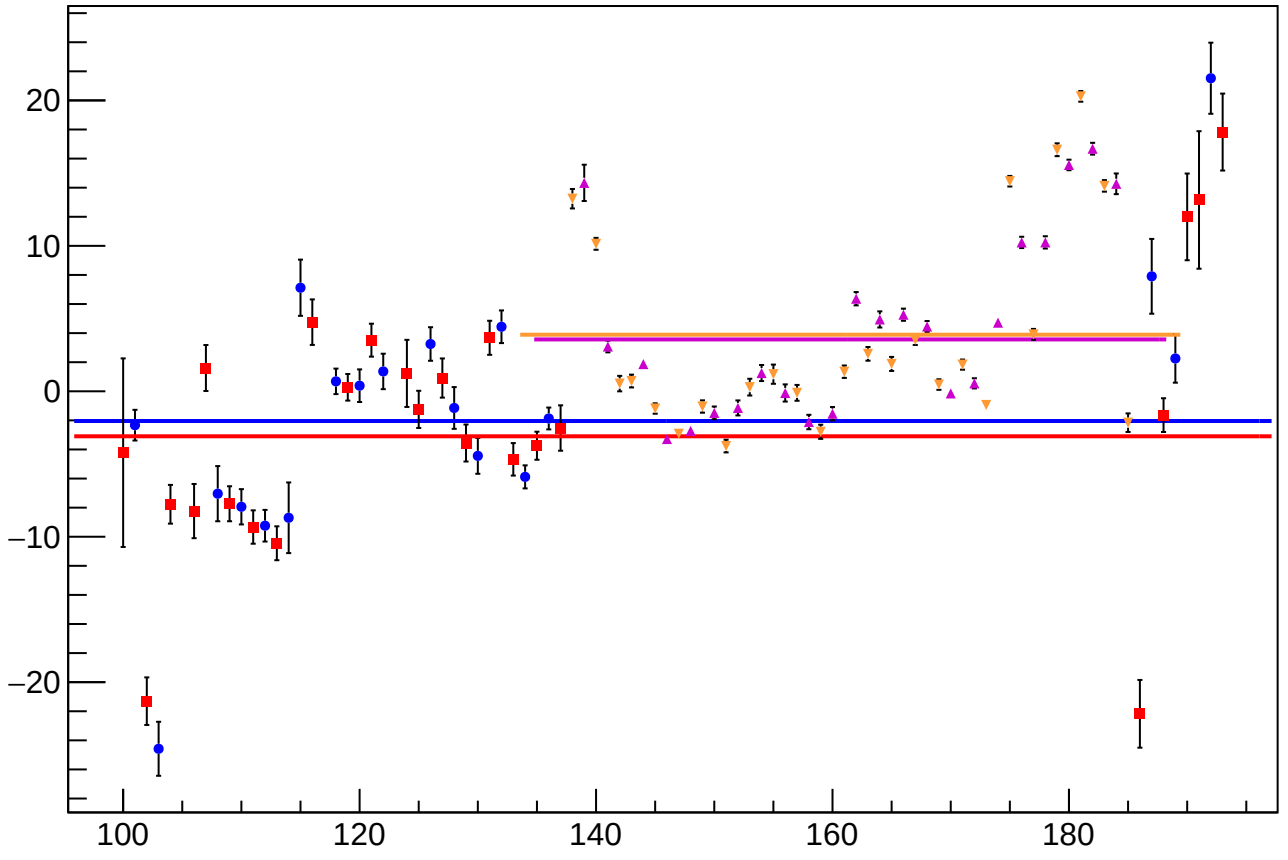
Right Out: -1.661+/-0.244 χ^2/NDF: 2285.6/23

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.880+/-0.100 χ^2/NDF: 21347.9/43

All: -19.181+/-0.071 χ^2/NDF: 42059.6/90

- sign -18.461+/-0.101 χ^2/NDF: 20611.8/46



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: -3.094+/-0.284 χ^2/NDF: 529.0/23

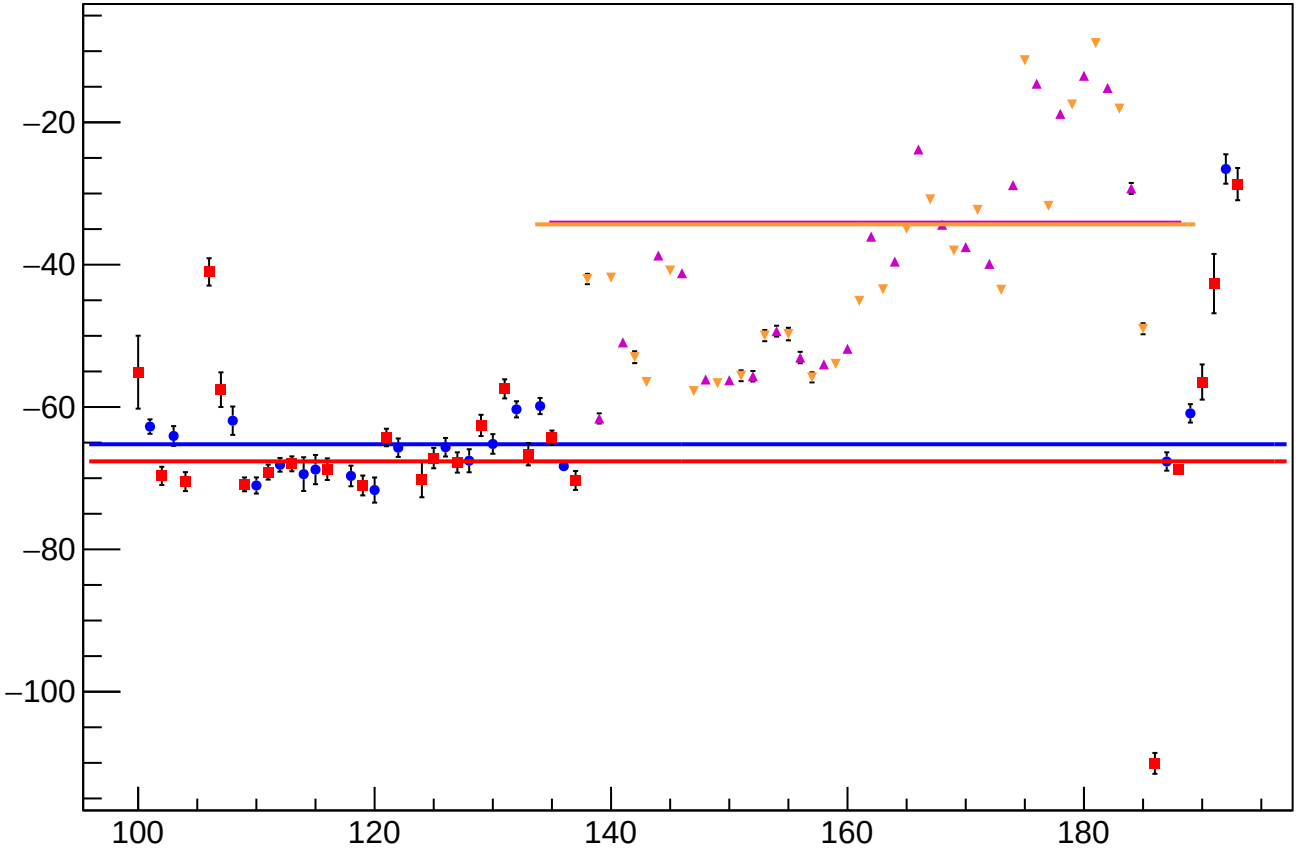
Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.392+/-0.081 χ^2/NDF: 7611.6/43

All: 3.202+/-0.058 χ^2/NDF: 13396.2/90

- sign 3.003+/-0.082 χ^2/NDF: 5773.1/46

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: -67.634+/-0.273 χ^2/NDF: 1526.5/23

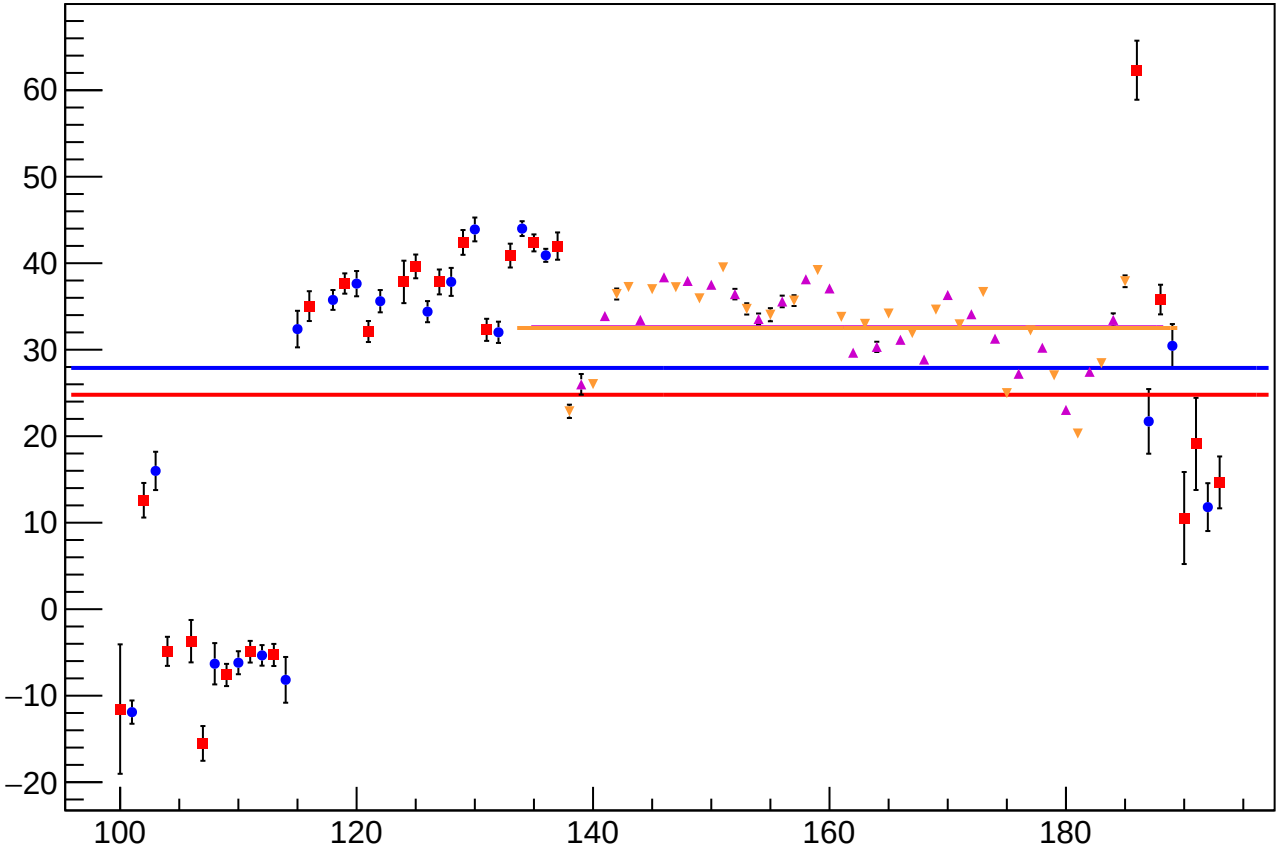
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.208+/-0.101 χ^2/NDF: 31916.6/43

All: -38.520+/-0.072 χ^2/NDF: 64130.4/90

- sign -38.840+/-0.103 χ^2/NDF: 32194.6/46

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: 24.791+/-0.325 χ^2/NDF: 4026.4/23

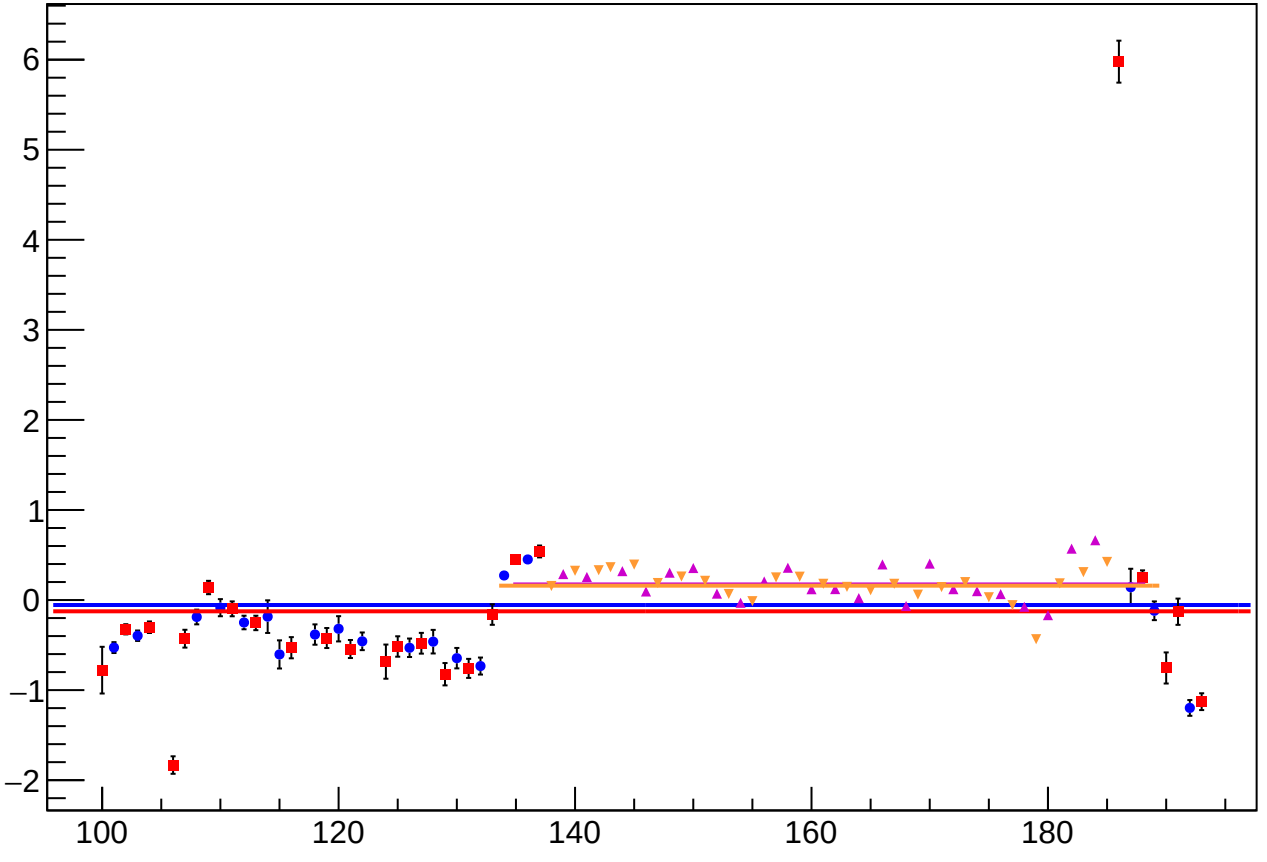
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.127+/-0.091 χ^2/NDF: 6901.9/43

All: 32.046+/-0.065 χ^2/NDF: 13474.0/90

- sign 31.961+/-0.093 χ^2/NDF: 6570.4/46

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: -0.125+/-0.018 χ^2/NDF: 1654.3/23

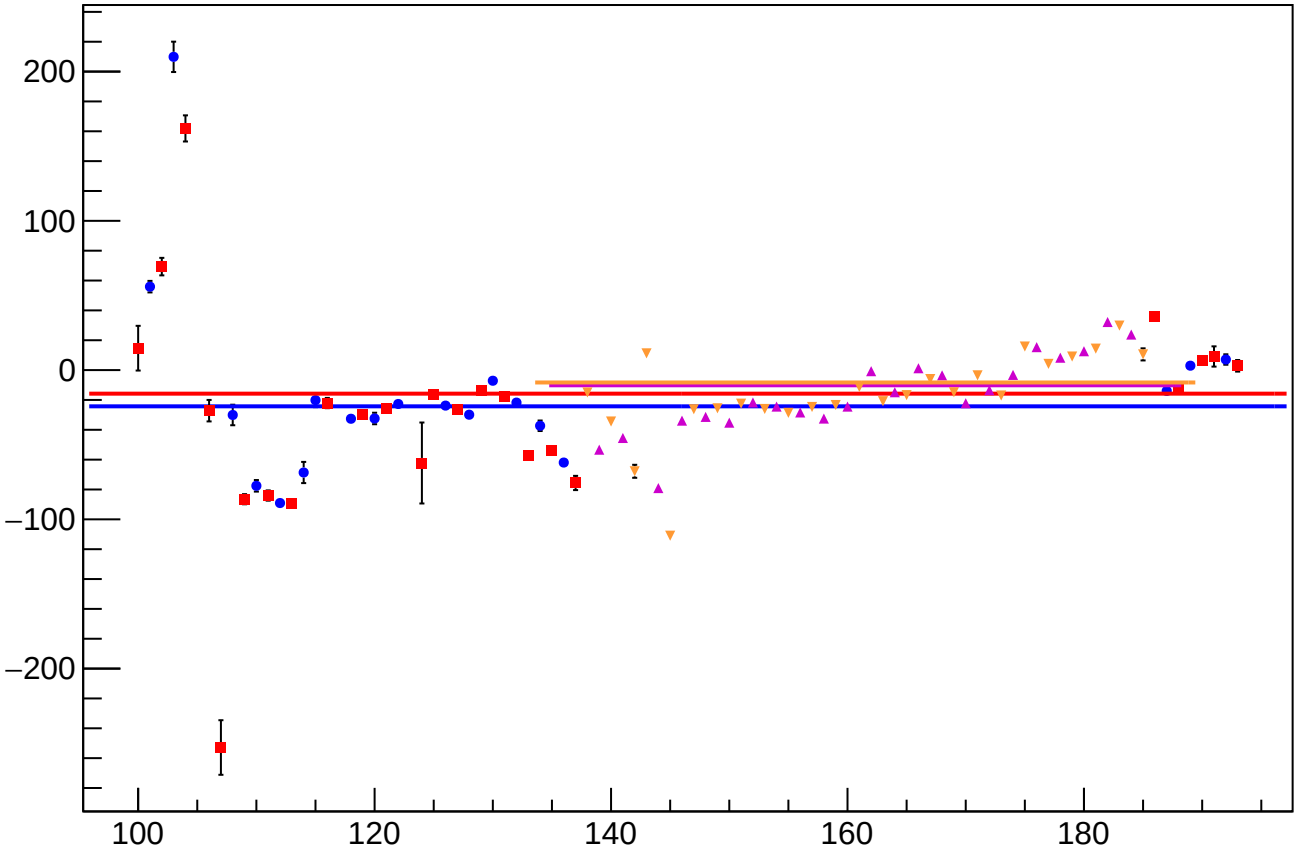
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.147+/-0.004 χ^2/NDF: 2533.9/43

All: 0.151+/-0.003 χ^2/NDF: 6587.8/90

- sign 0.156+/-0.004 χ^2/NDF: 4051.1/46

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: -15.792+/-0.610 χ^2/NDF: 3959.3/23

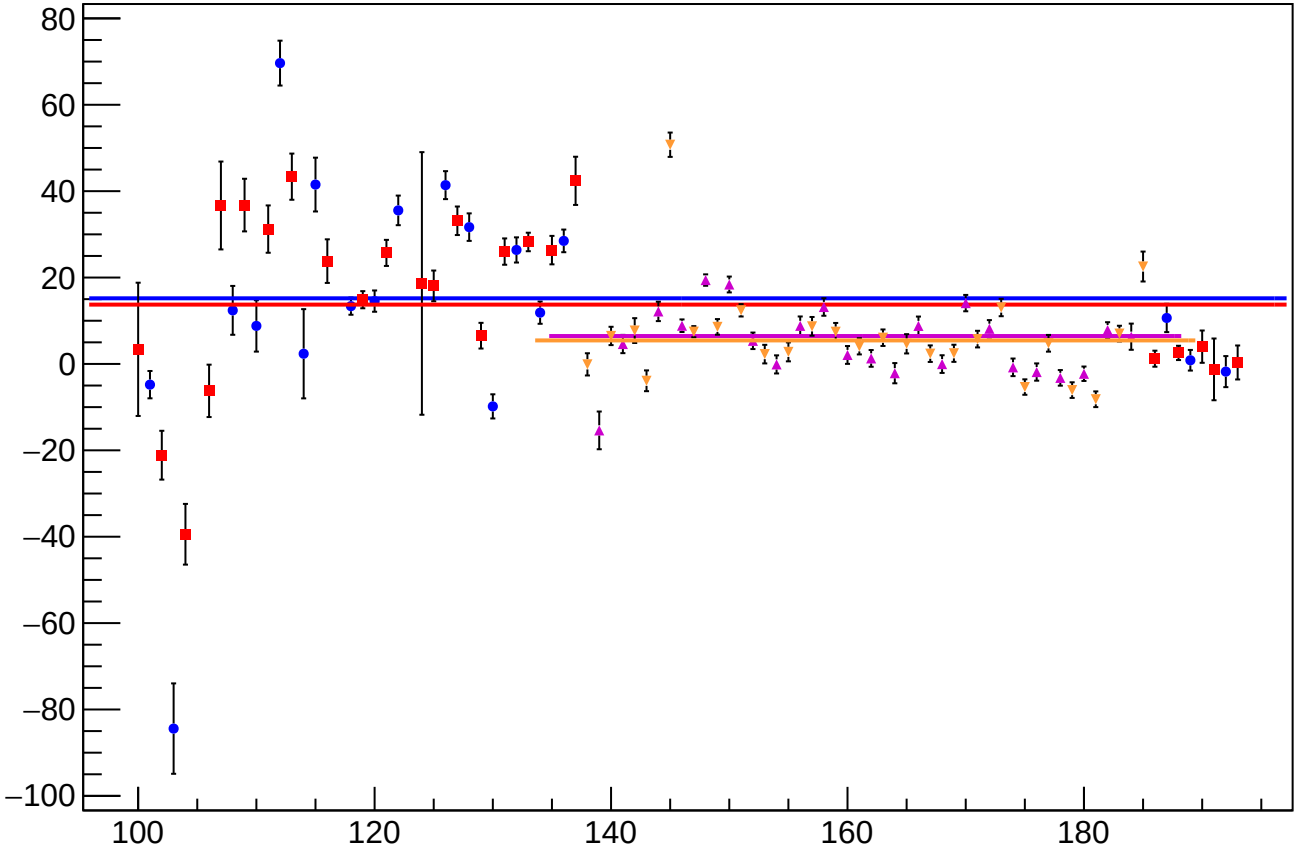
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -13.736+/-0.417 χ^2/NDF: 5120.8/43

All: -13.128+/-0.288 χ^2/NDF: 11651.0/90

- sign -12.574+/-0.399 χ^2/NDF: 6526.1/46

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: 13.736+/-0.684 χ^2/NDF: 445.8/23

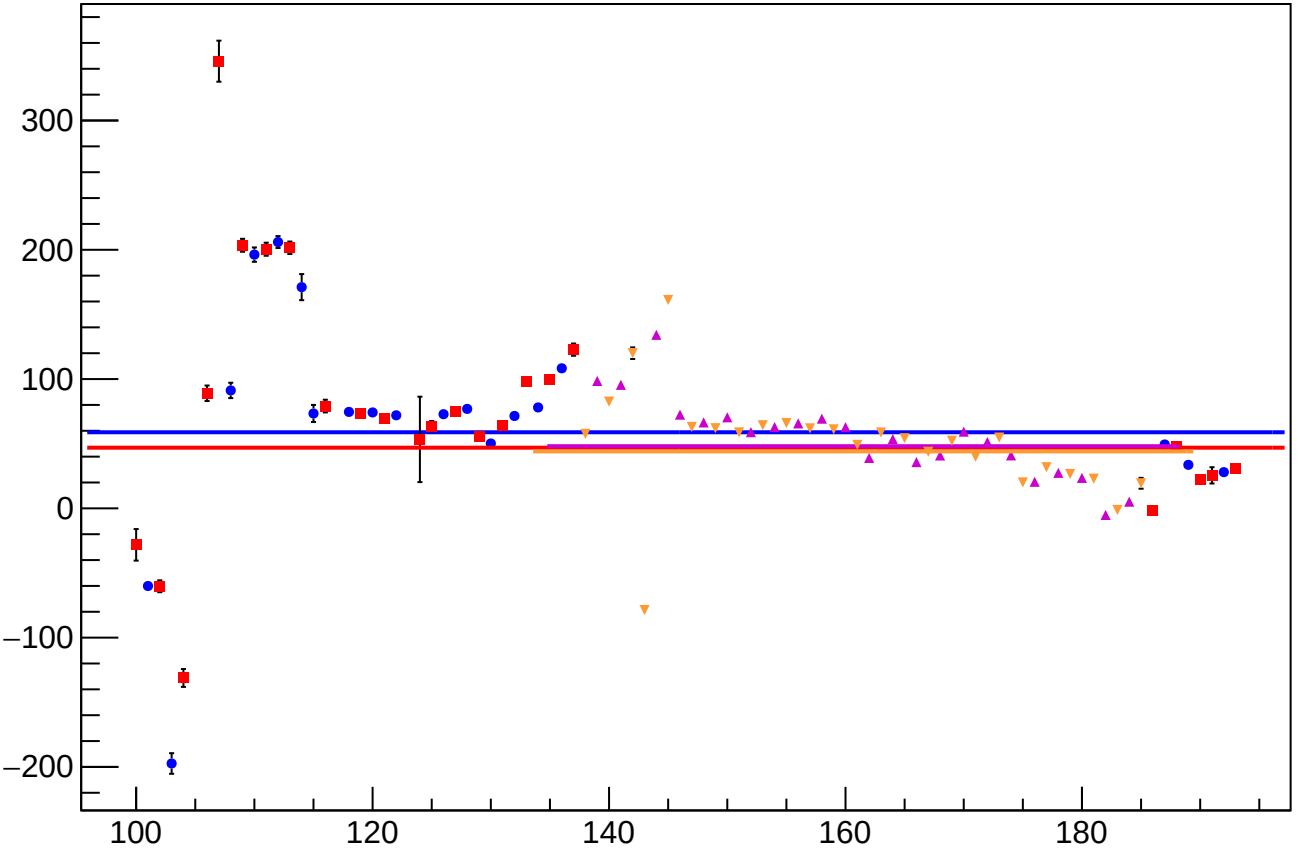
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 7.595+/-0.348 χ^2/NDF: 1200.7/43

All: 7.980+/-0.247 χ^2/NDF: 2068.4/90

- sign 8.370+/-0.350 χ^2/NDF: 865.2/46

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: 46.929+/-0.573 χ^2/NDF: 7427.1/23

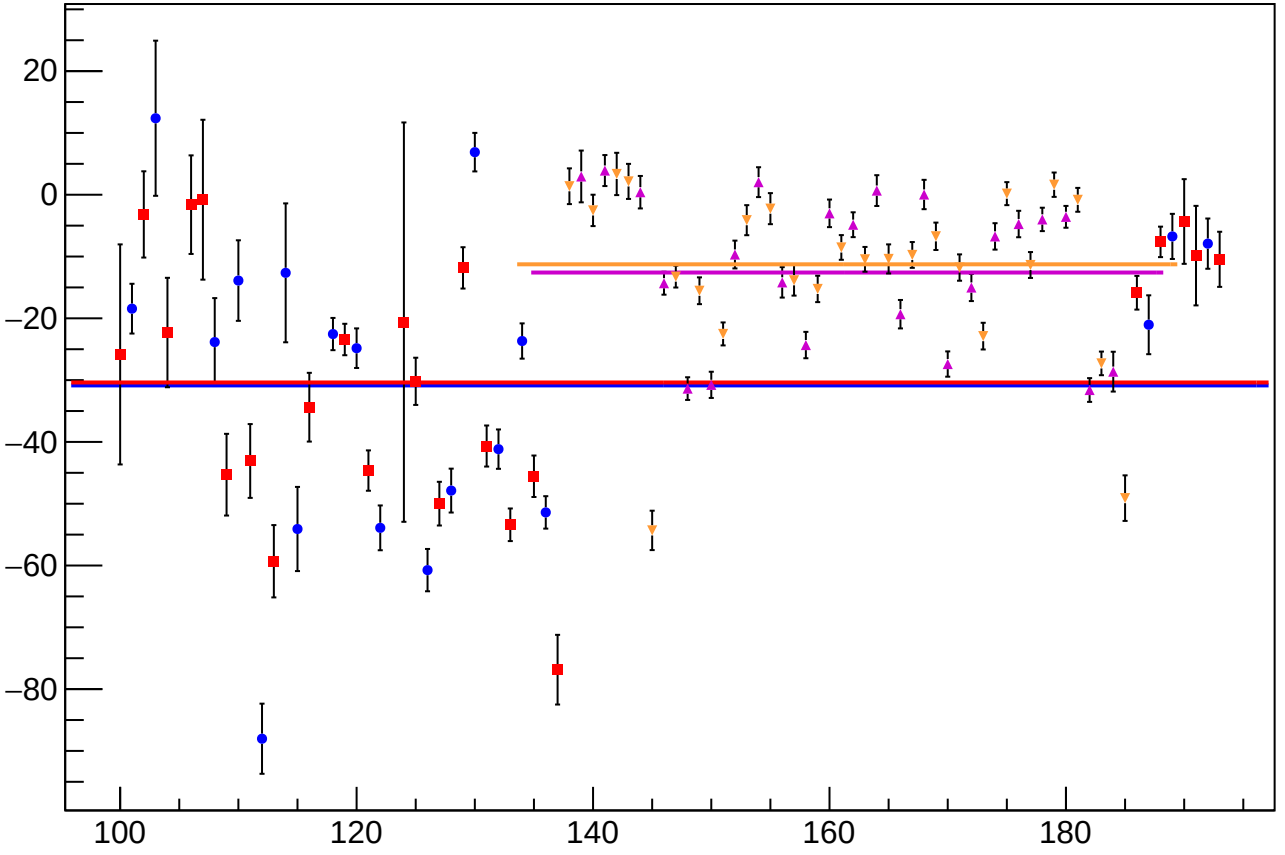
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 48.997+/-0.416 χ^2/NDF: 10177.3/43

All: 48.223+/-0.283 χ^2/NDF: 20989.5/90

- sign 47.558+/-0.386 χ^2/NDF: 10805.8/46

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: -30.381+/-0.846 χ^2/NDF: 485.6/23

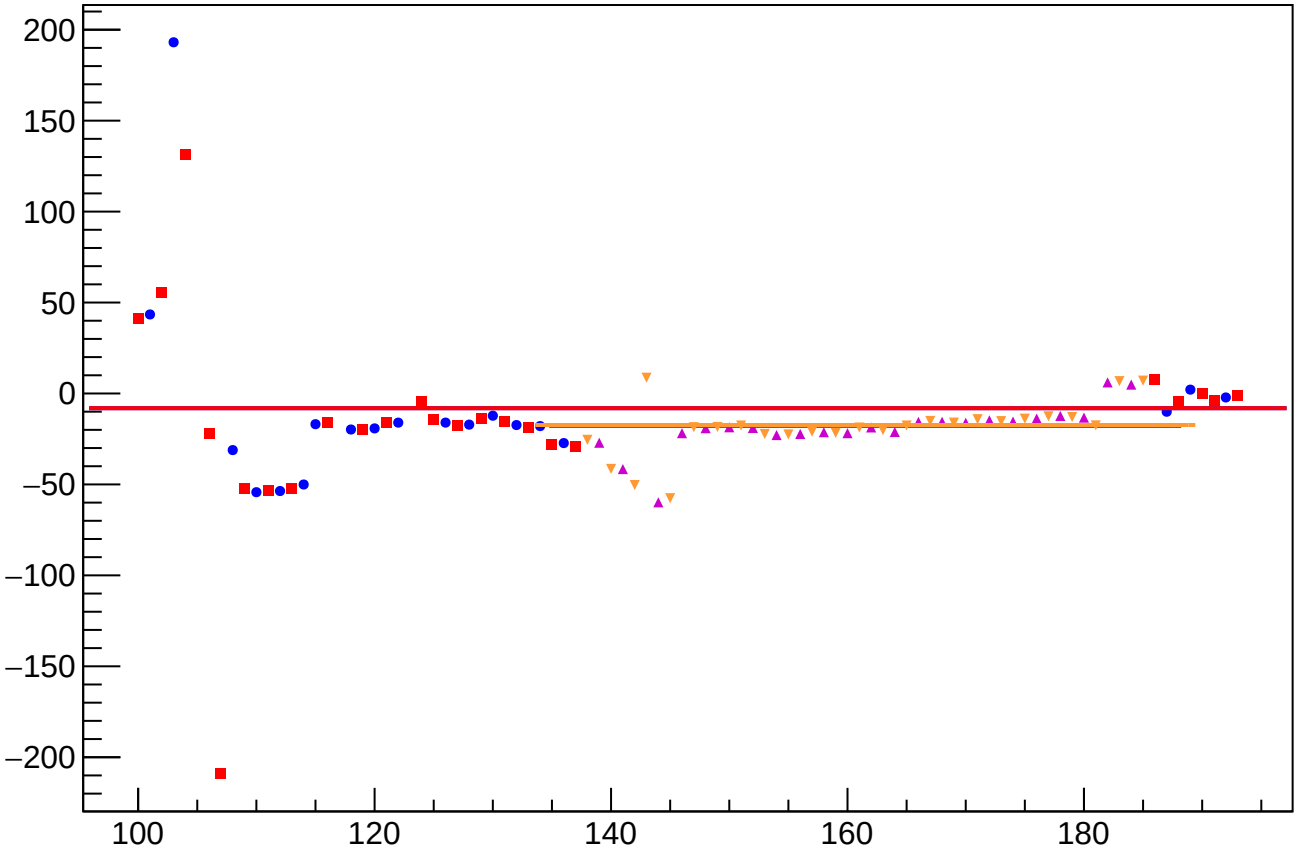
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -15.285+/-0.397 χ^2/NDF: 1644.3/43

All: -15.949+/-0.283 χ^2/NDF: 3149.4/90

- sign -16.636+/-0.403 χ^2/NDF: 1499.4/46

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: -8.086+/-0.048 χ^2/NDF: 467869.9/23

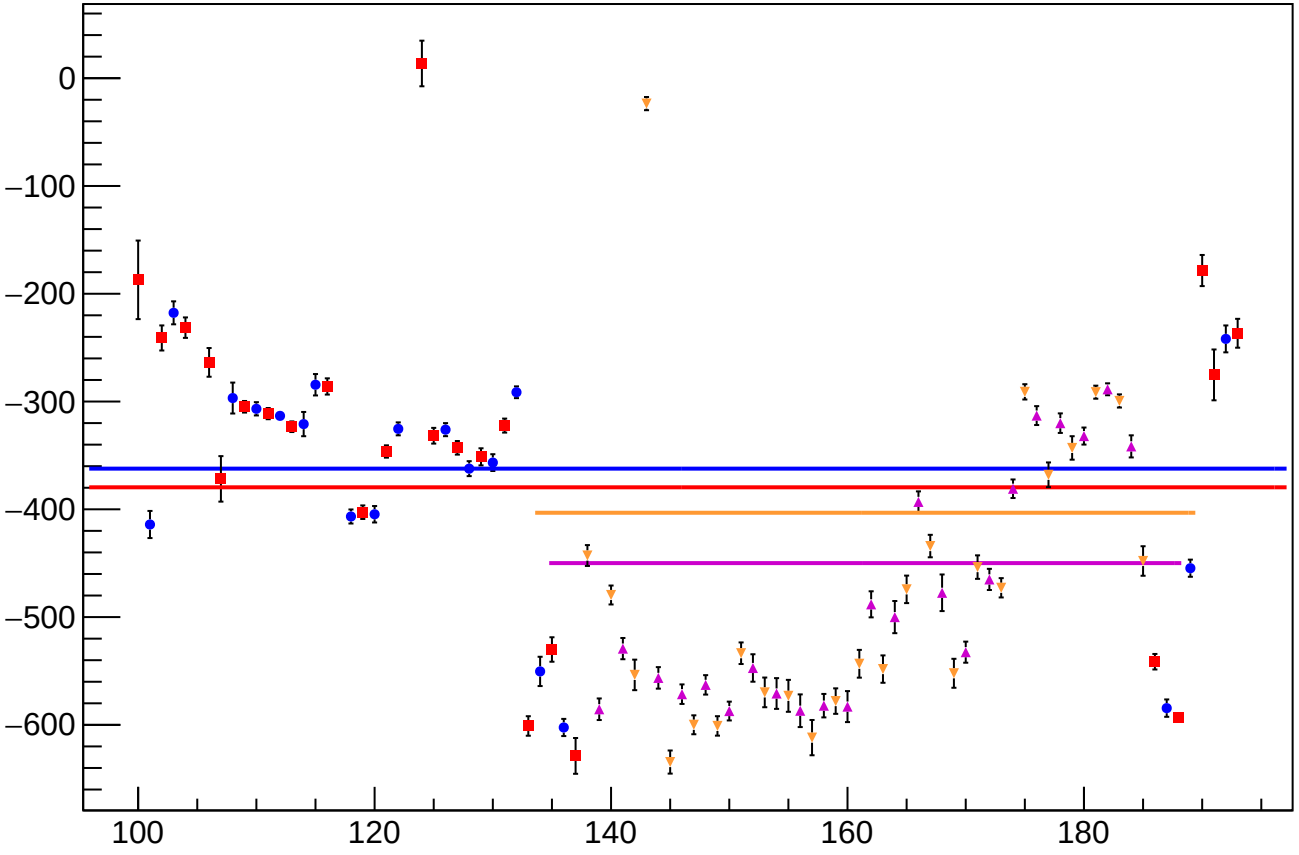
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -15.999+/-0.018 χ^2/NDF: 908714.9/43

All: -16.169+/-0.013 χ^2/NDF: 1679367.3/90

- sign -16.343+/-0.019 χ^2/NDF: 770481.2/46

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: -379.588+/-1.564 χ^2/NDF: 6000.8/23

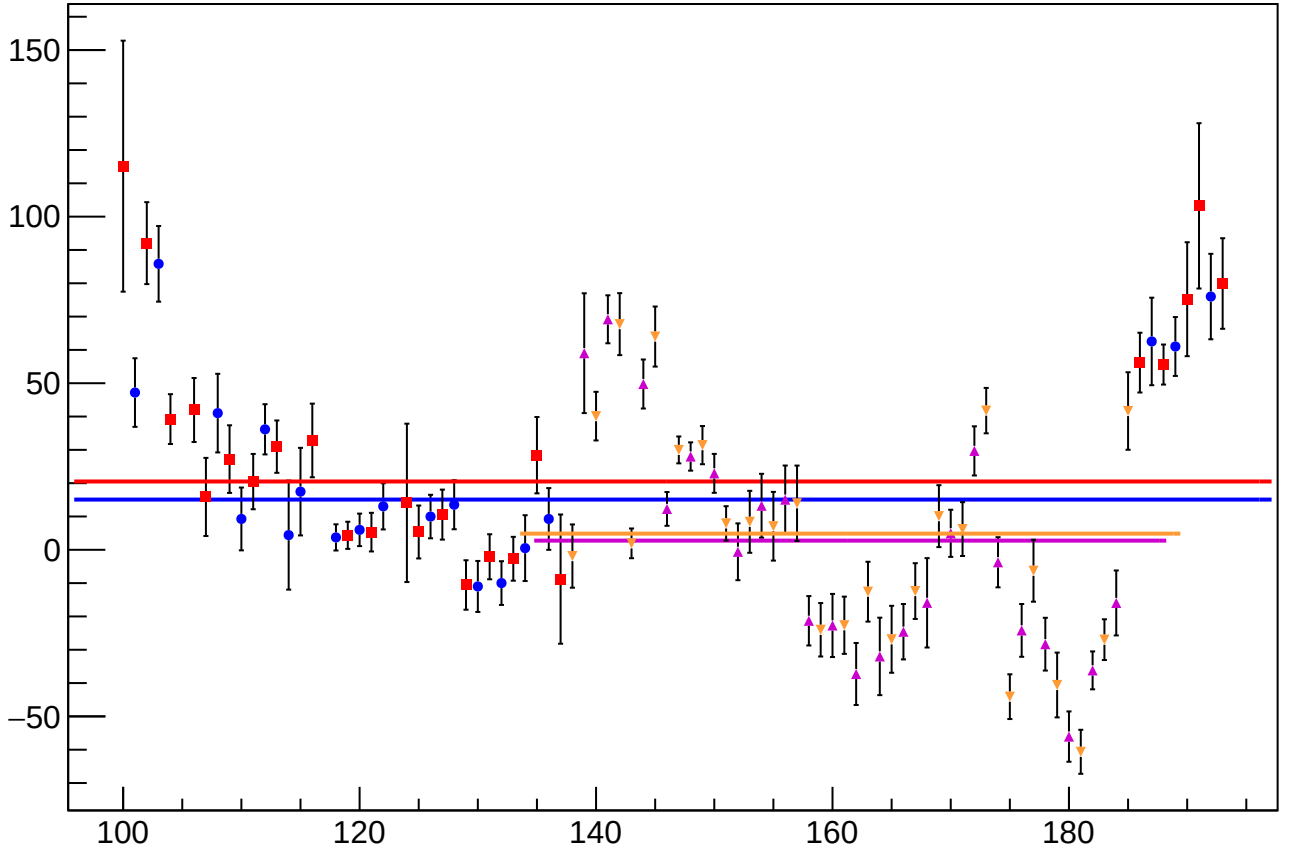
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -380.407+/-1.283 χ^2/NDF: 10903.4/43

All: -393.403+/-0.893 χ^2/NDF: 21068.6/90

- sign -405.573+/-1.242 χ^2/NDF: 9966.7/46

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: 20.506+/-1.711 χ^2/NDF: 217.4/23

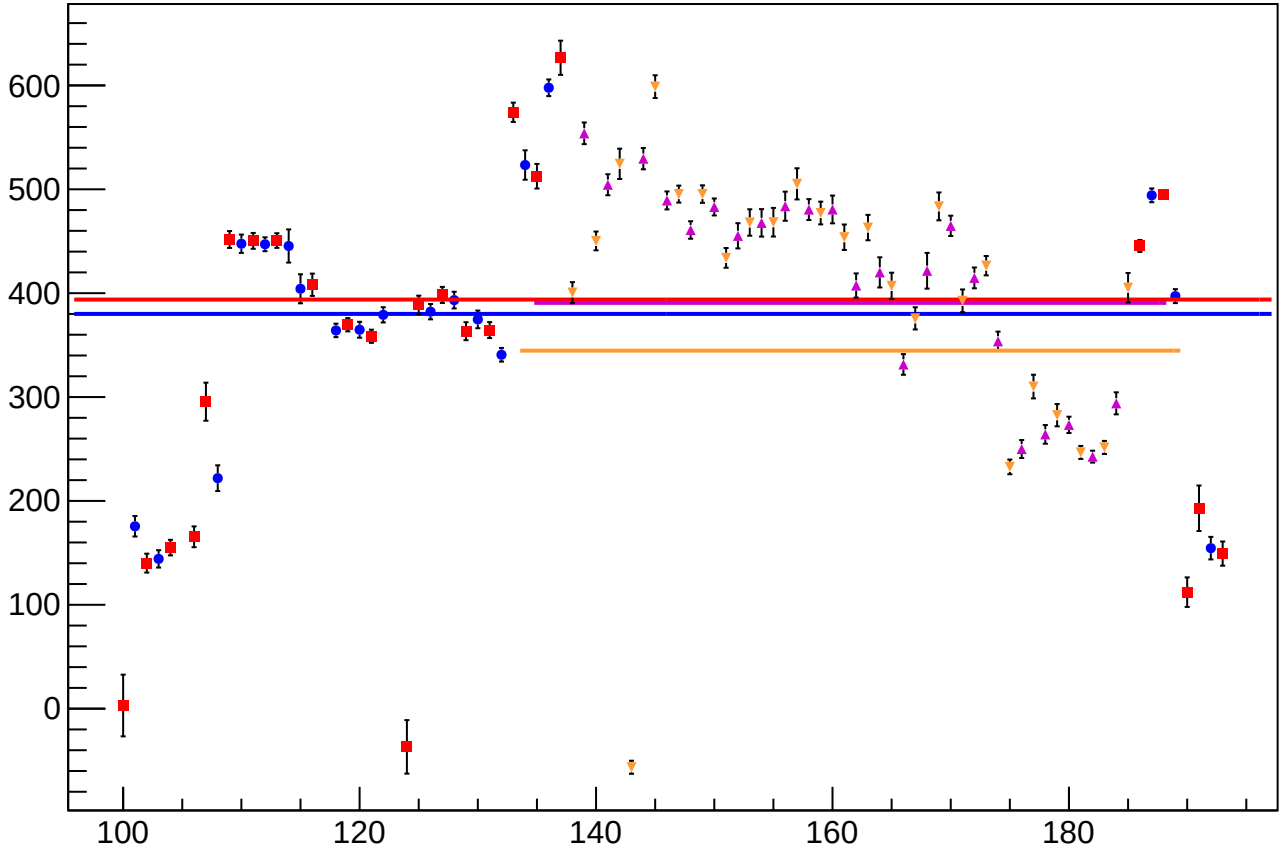
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 8.951+/-1.120 χ^2/NDF: 643.2/43

All: 9.841+/-0.803 χ^2/NDF: 1320.5/90

- sign 10.779+/-1.151 χ^2/NDF: 676.0/46

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: 393.854+/-1.652 χ^2/NDF: 5572.8/23

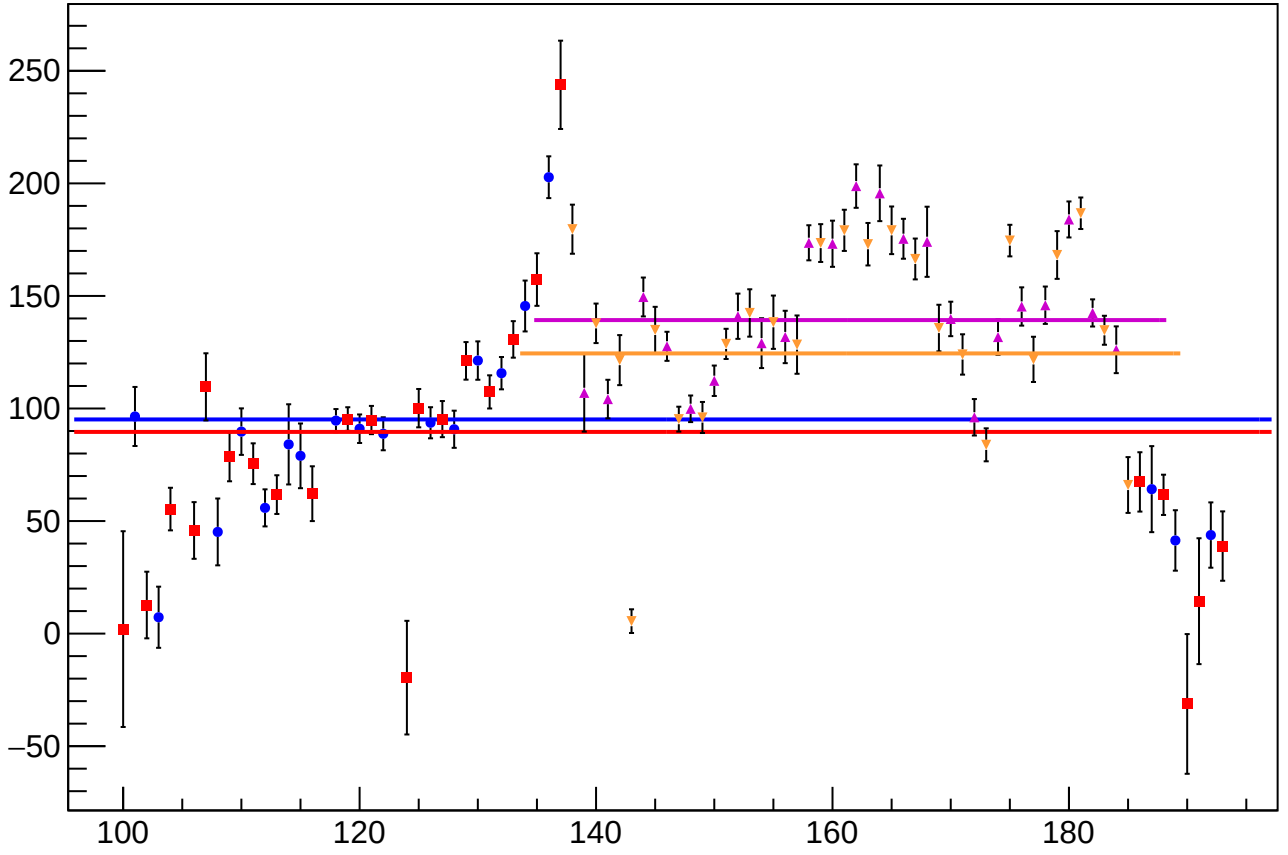
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 362.661+/-1.349 χ^2/NDF: 10639.5/43

All: 378.392+/-0.929 χ^2/NDF: 19145.3/90

- sign 392.586+/-1.281 χ^2/NDF: 8247.0/46

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: 89.598+/-2.027 χ^2/NDF: 286.8/23

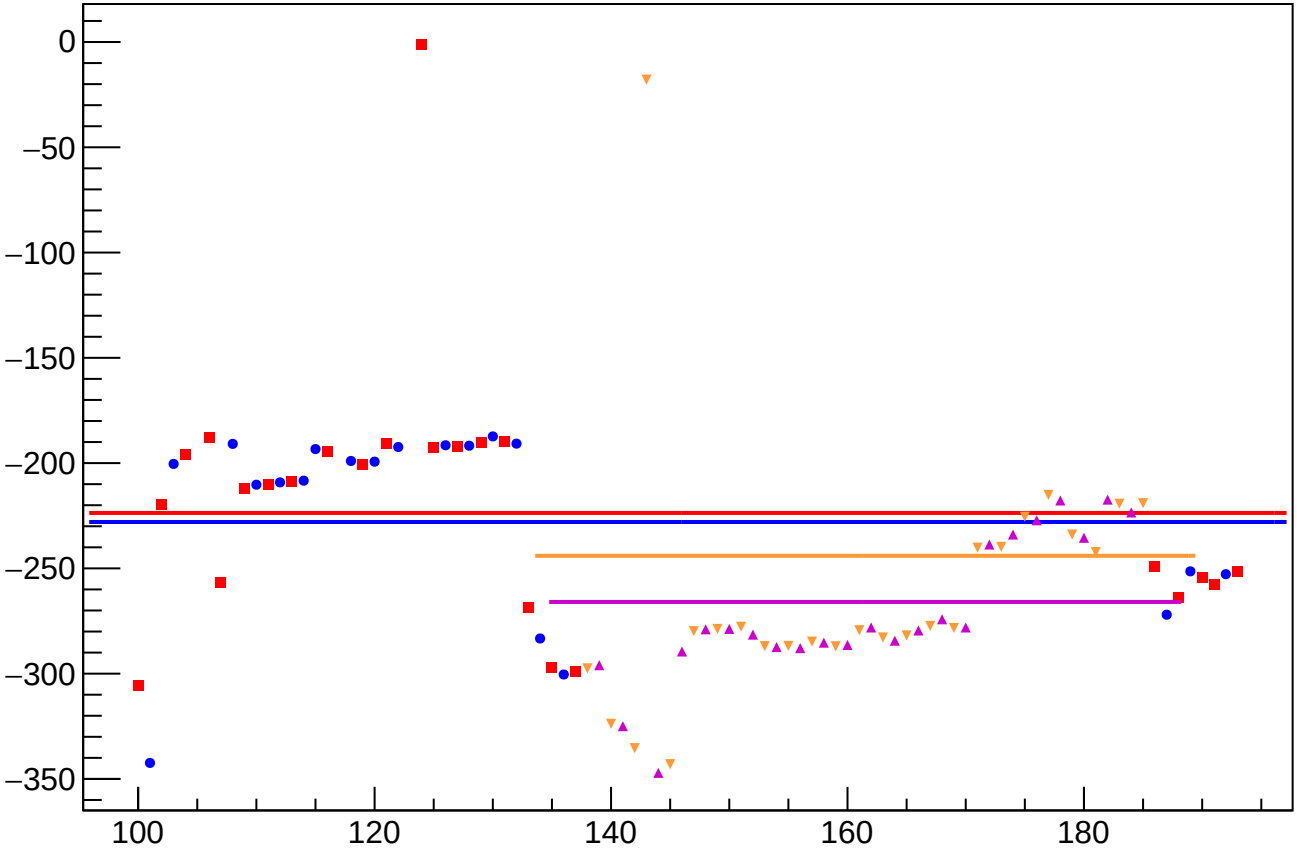
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 113.057+/-1.299 χ^2/NDF: 1341.2/43

All: 115.362+/-0.930 χ^2/NDF: 2236.3/90

- sign 117.788+/-1.333 χ^2/NDF: 888.6/46

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: -223.668+/-0.121 χ^2/NDF: 99948.4/23

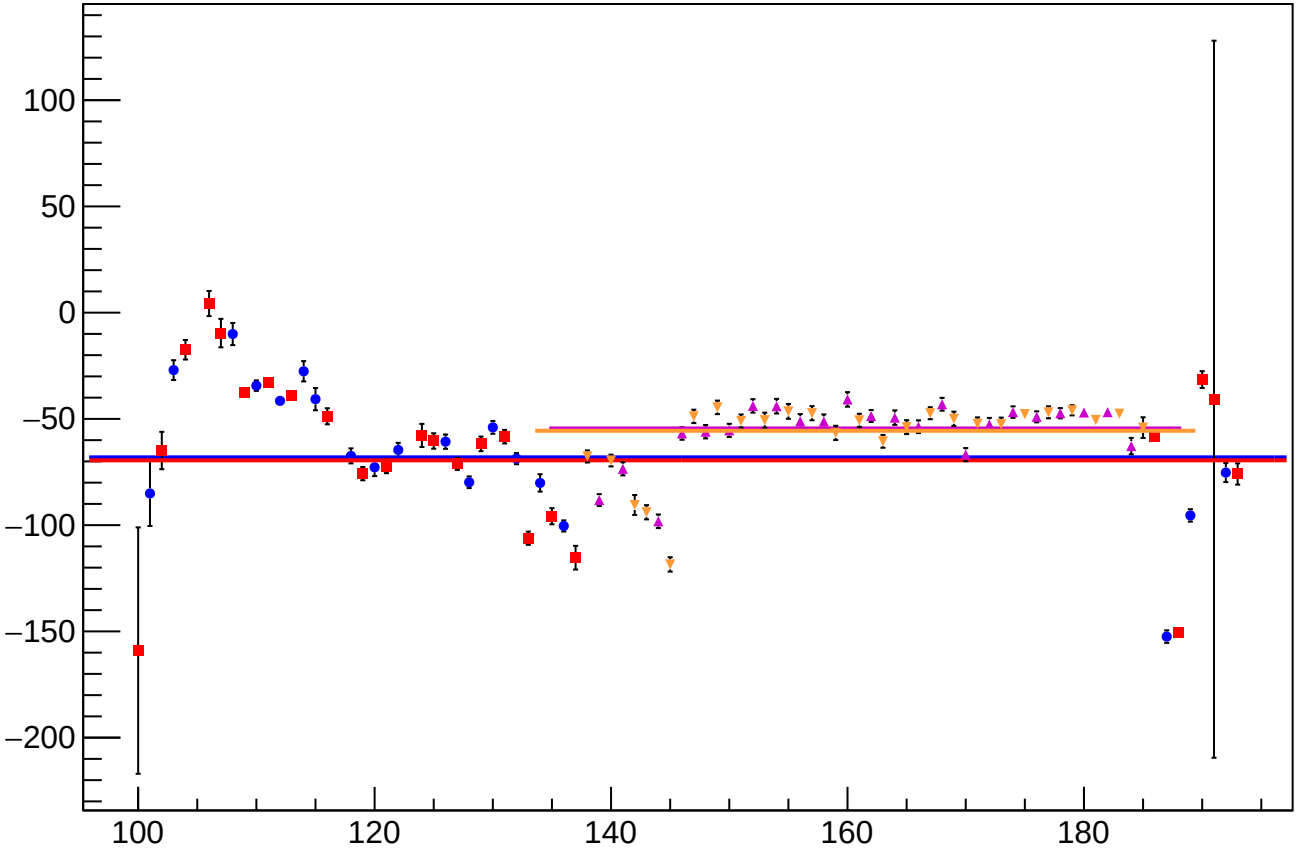
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -239.740+/-0.066 χ^2/NDF: 1138193.6/43

All: -246.264+/-0.047 χ^2/NDF: 1512562.7/90

- sign -252.941+/-0.067 χ^2/NDF: 354724.6/46

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: -69.488+/-0.651 χ^2/NDF: 3713.5/23

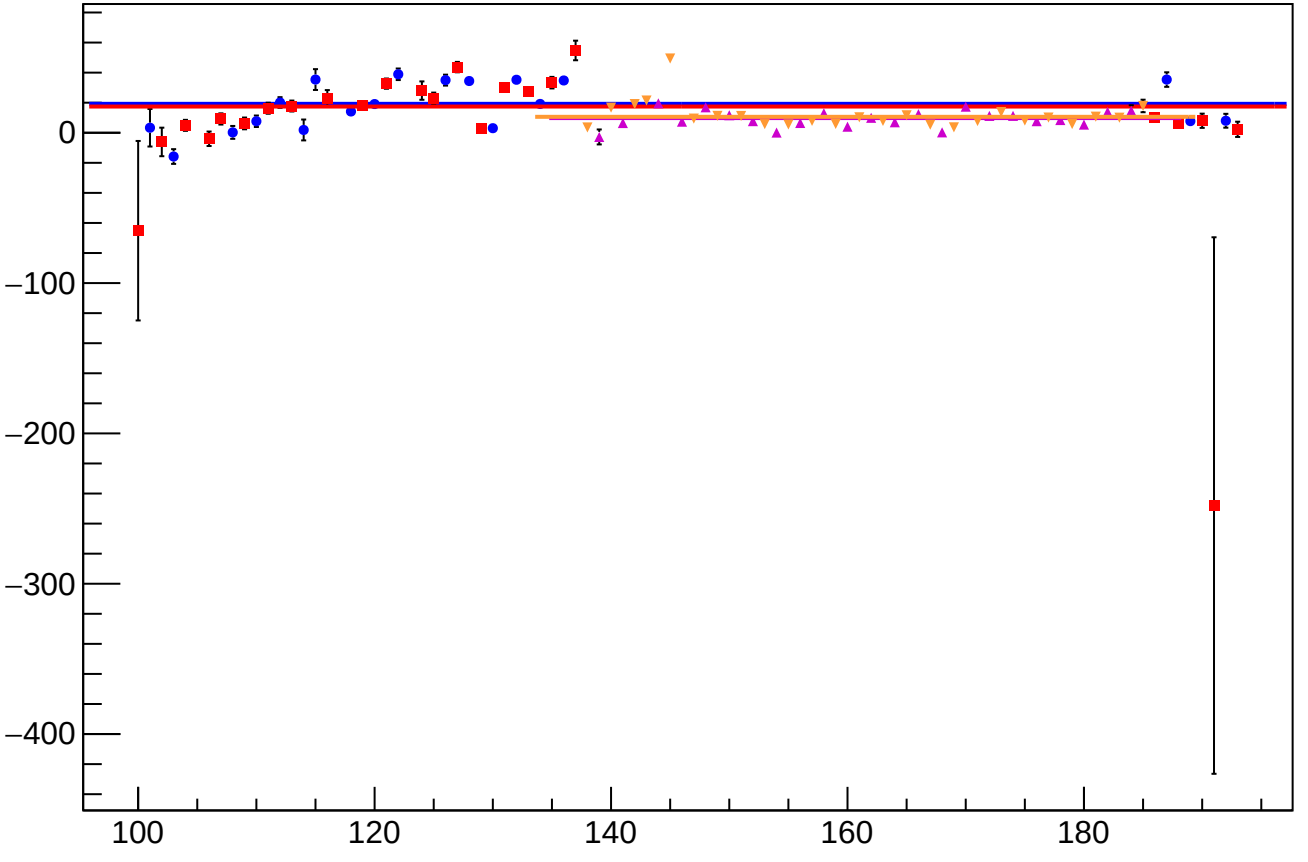
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

\+ sign -60.291+/-0.466 χ^2/NDF: 2606.5/43

All: -60.902+/-0.321 χ^2/NDF: 7107.5/90

\- sign -61.457+/-0.444 χ^2/NDF: 4497.7/46

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: 17.439+/-0.732 χ^2/NDF: 287.9/23

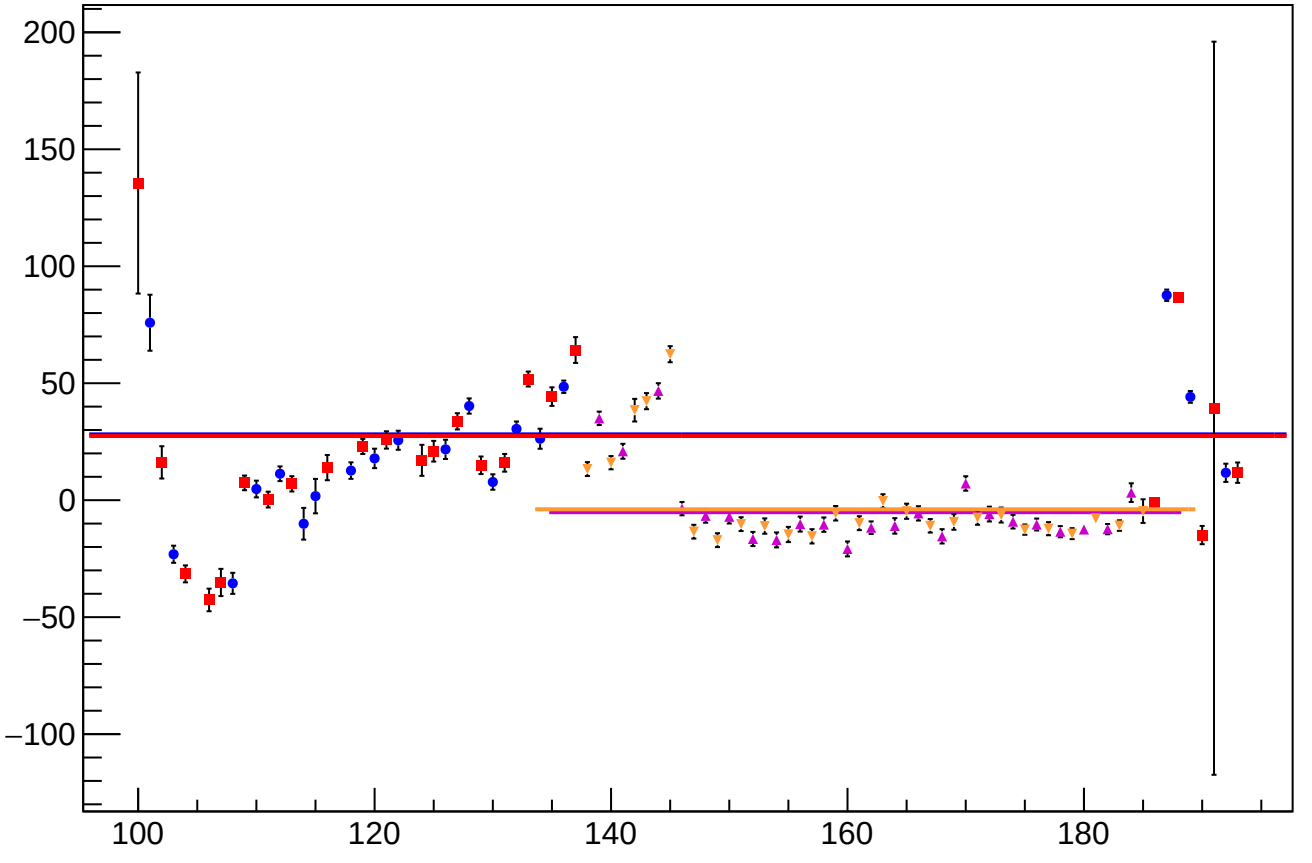
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.626+/-0.393 χ^2/NDF: 619.2/43

All: 12.306+/-0.278 χ^2/NDF: 1107.6/90

- sign 11.985+/-0.394 χ^2/NDF: 487.0/46

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: 27.422+/-0.663 χ^2/NDF: 3266.6/23

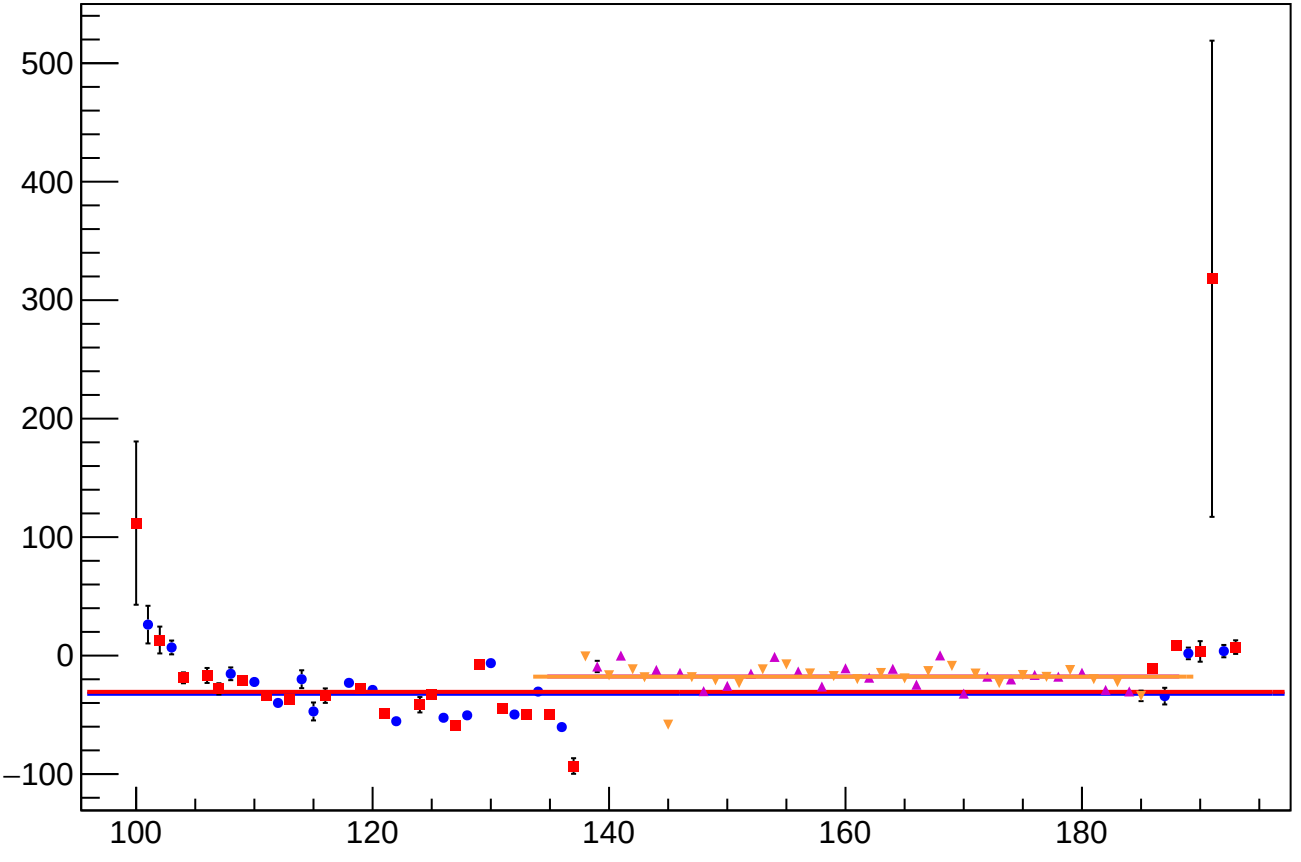
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 6.908+/-0.476 χ^2/NDF: 3186.8/43

All: 8.299+/-0.325 χ^2/NDF: 8444.0/90

- sign 9.512+/-0.445 χ^2/NDF: 5241.3/46

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: -30.601+/-0.883 χ^2/NDF: 566.9/23

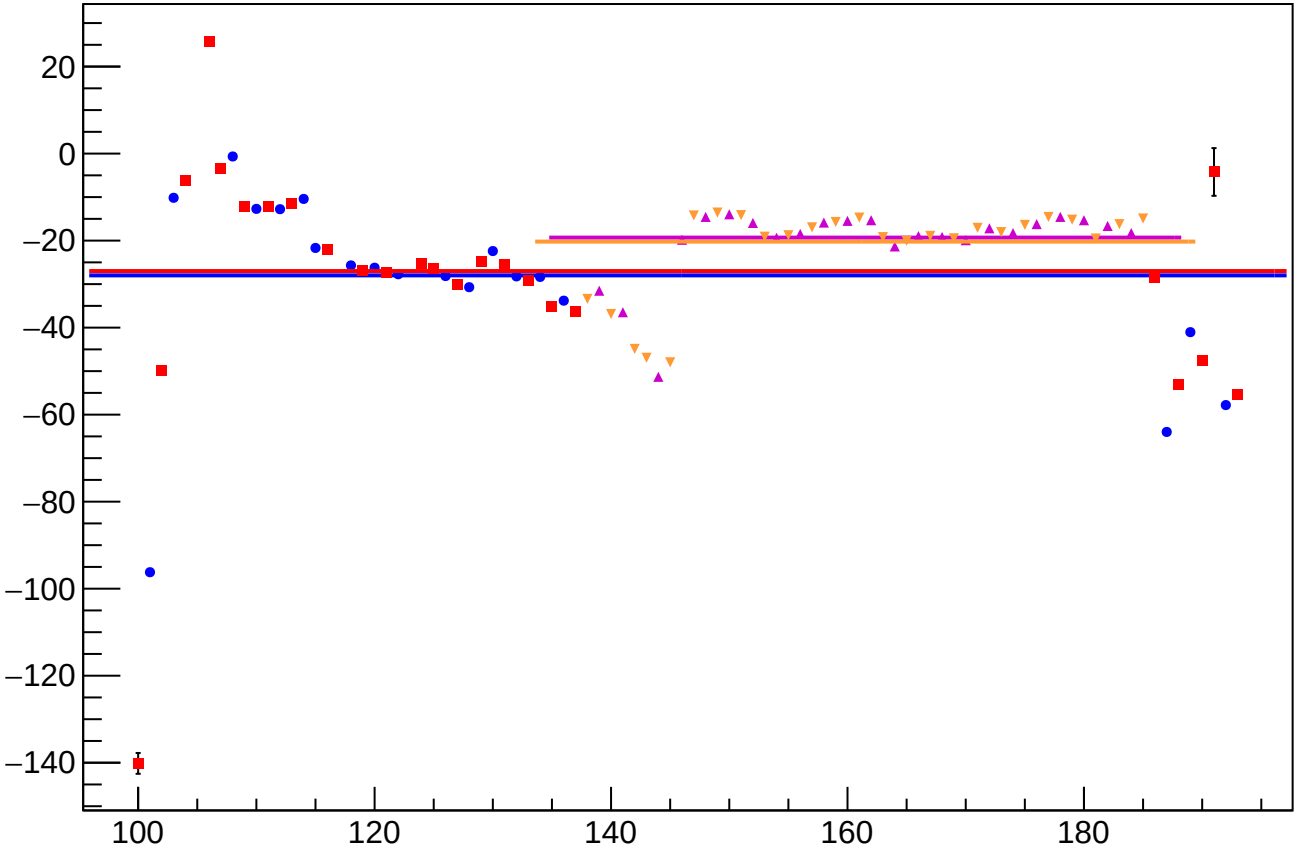
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

\+ sign -21.025+/-0.448 χ^2/NDF: 883.1/43

All: -21.031+/-0.318 χ^2/NDF: 1894.8/90

\- sign -21.037+/-0.452 χ^2/NDF: 1011.7/46

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: -26.994+/-0.051 χ^2/NDF: 153905.3/23

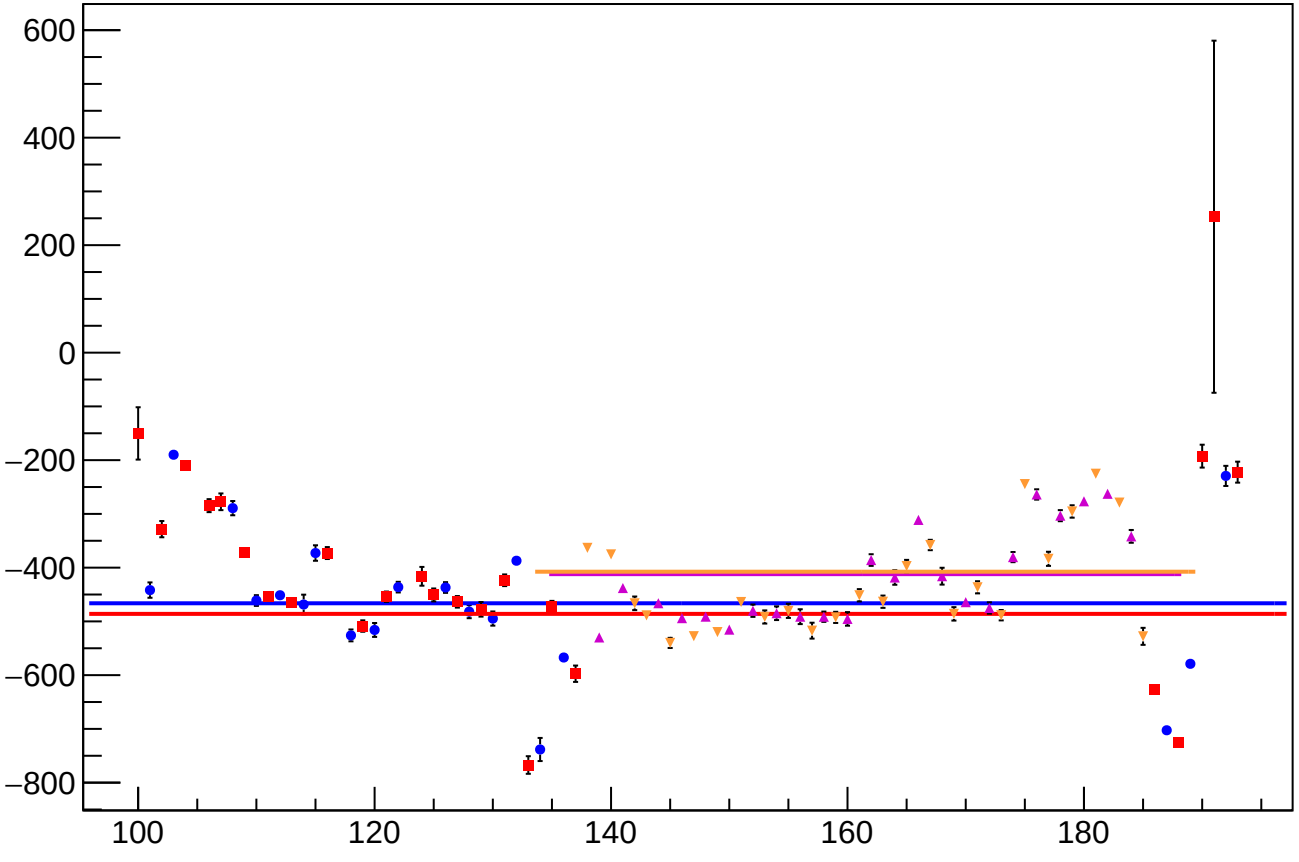
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -21.460+/-0.021 χ^2/NDF: 266813.5/43

All: -21.045+/-0.015 χ^2/NDF: 533219.9/90

- sign -20.621+/-0.021 χ^2/NDF: 265614.6/46

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: -486.021+/-2.128 χ^2/NDF: 5594.6/23

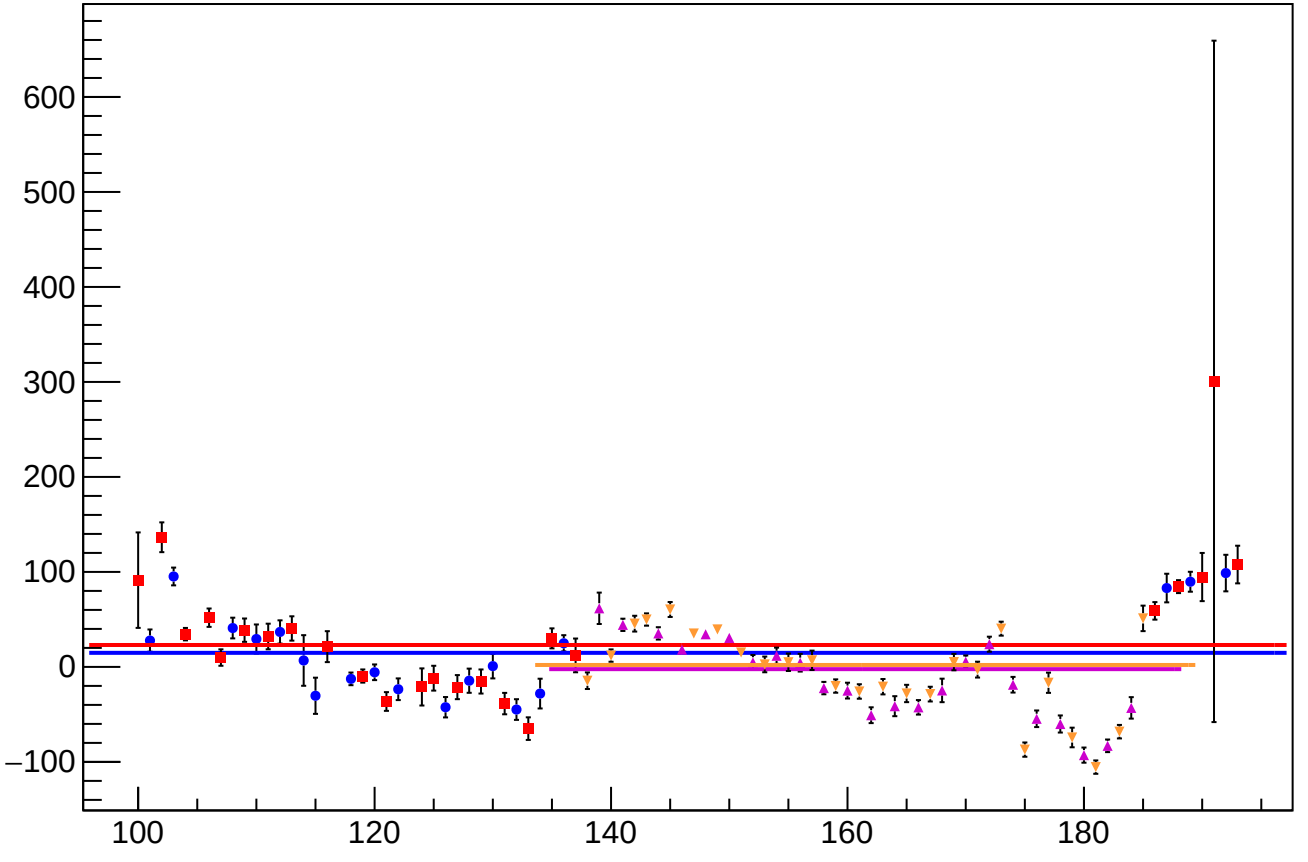
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -430.208+/-1.529 χ^2/NDF: 5844.7/43

All: -438.946+/-1.056 χ^2/NDF: 14322.2/90

- sign -446.919+/-1.461 χ^2/NDF: 8415.0/46

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: 23.074+/-2.292 χ^2/NDF: 373.4/23

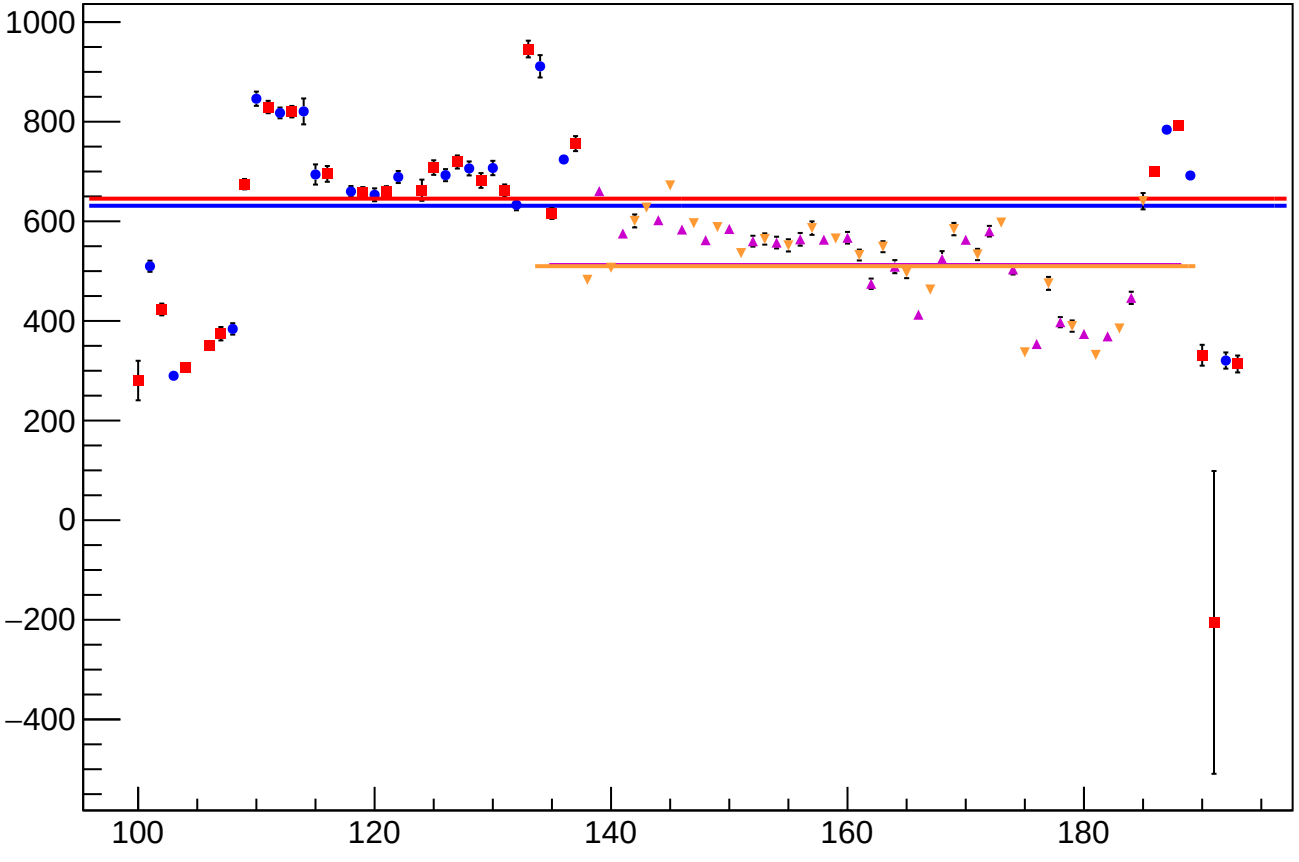
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

\+ sign 5.030+/-1.248 χ^2/NDF: 1219.0/43

All: 5.084+/-0.881 χ^2/NDF: 2412.6/90

\- sign 5.139+/-1.245 χ^2/NDF: 1193.6/46

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: 645.506+/-2.089 χ^2/NDF: 7490.9/23

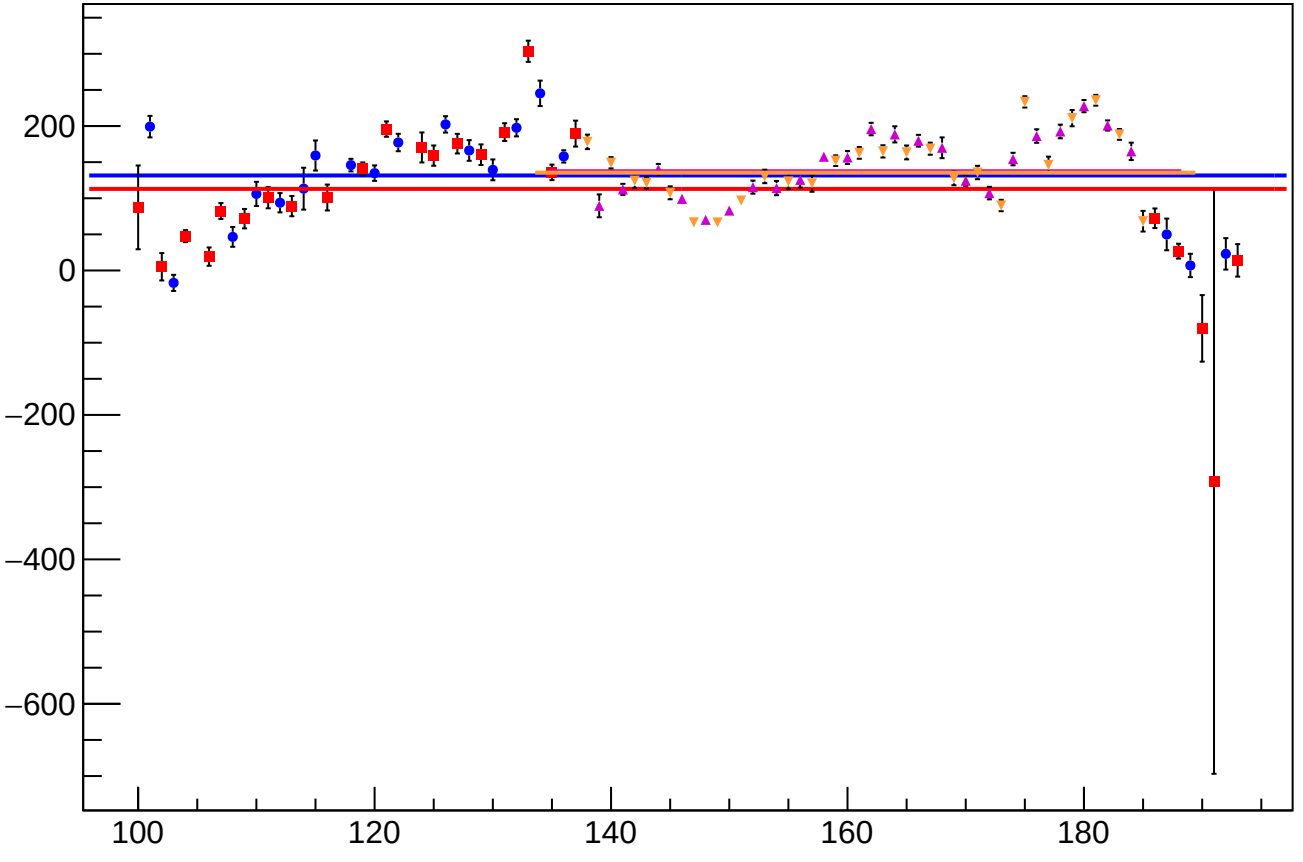
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 554.867+/-1.536 χ^2/NDF: 8888.1/43

All: 565.832+/-1.050 χ^2/NDF: 20701.2/90

- sign 575.453+/-1.439 χ^2/NDF: 11717.5/46

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: 112.942+/-2.773 χ^2/NDF: 641.2/23

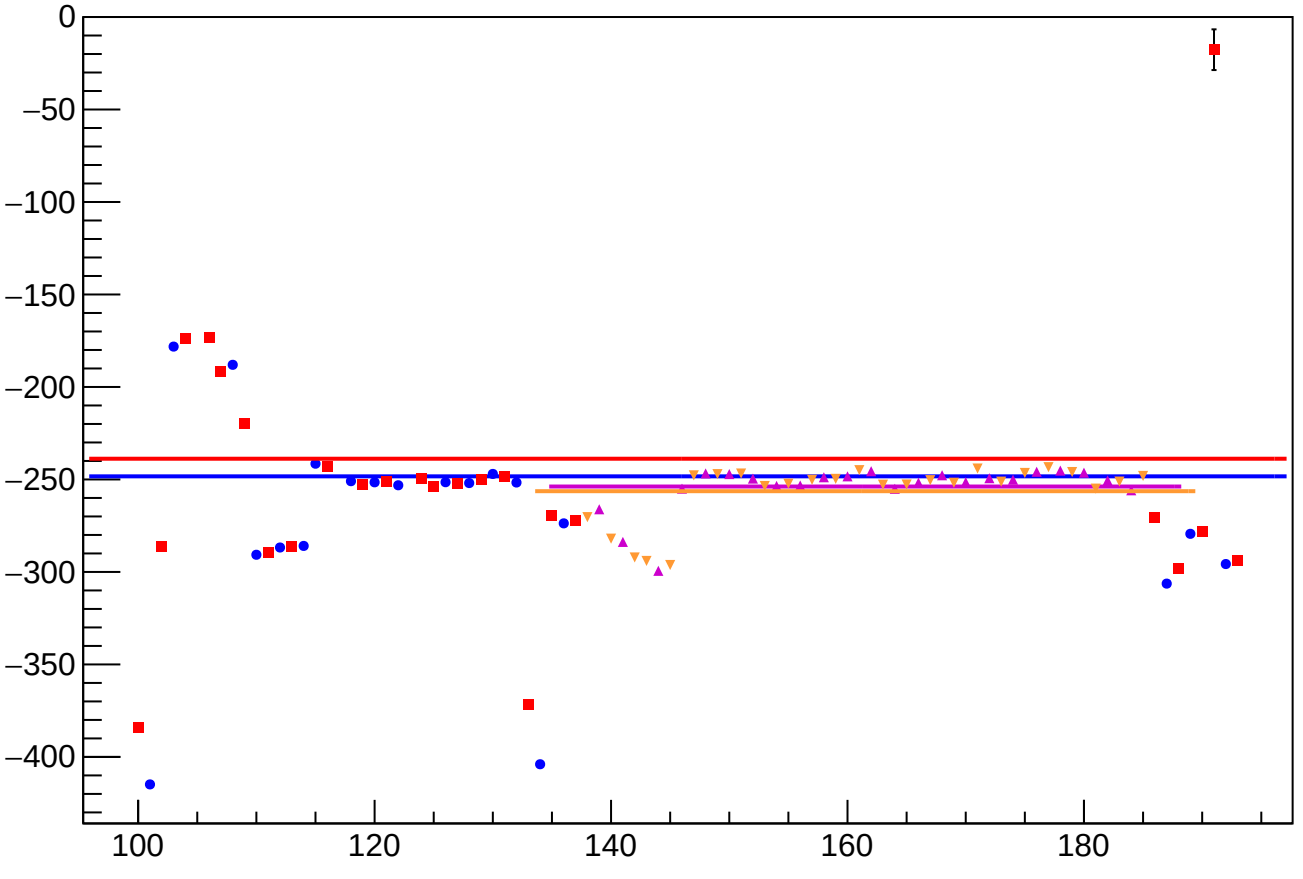
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 134.534+/-1.449 χ^2/NDF: 1415.6/43

All: 132.613+/-1.025 χ^2/NDF: 2822.7/90

- sign 130.687+/-1.451 χ^2/NDF: 1403.6/46

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: -238.792+/-0.146 χ^2/NDF: 125049.8/23

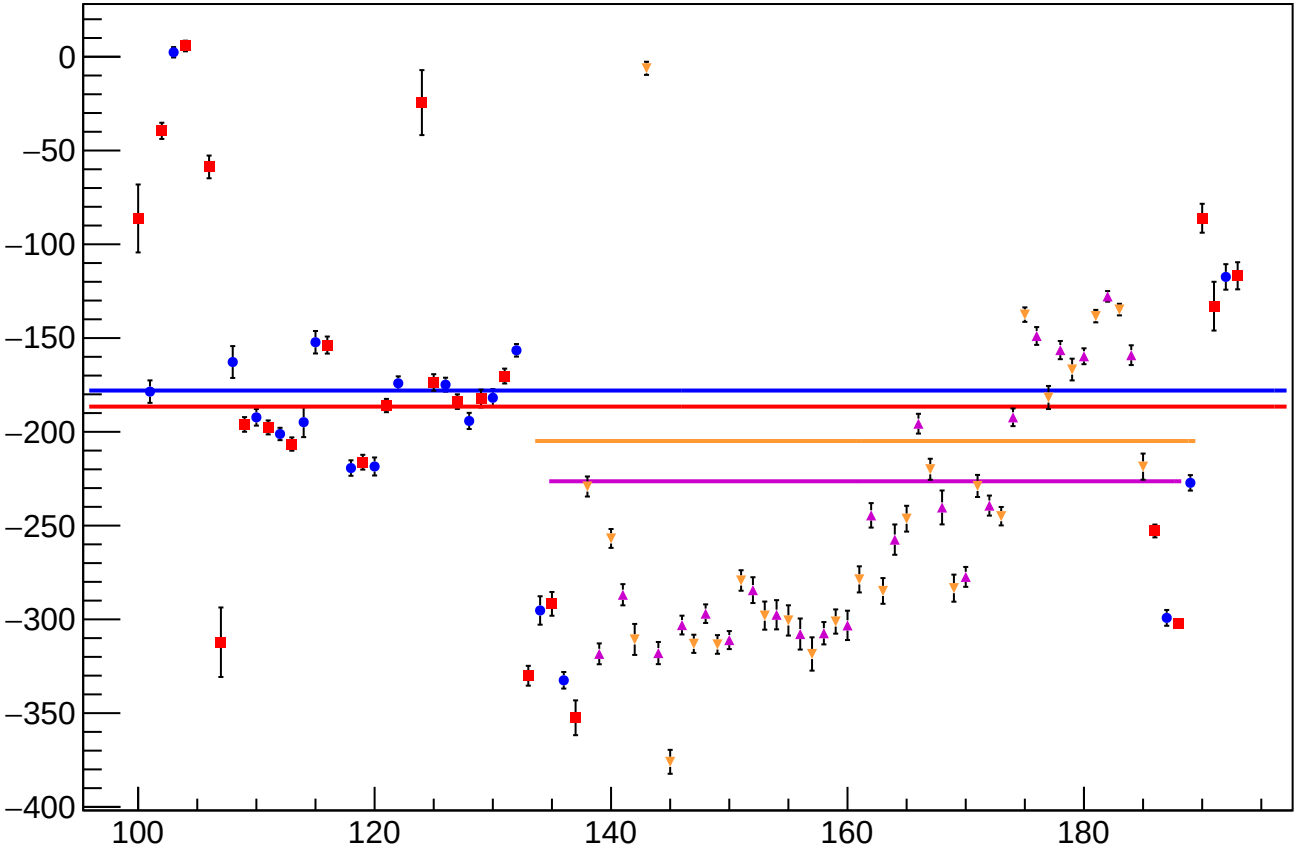
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -254.735+/-0.069 χ^2/NDF: 224692.1/43

All: -252.601+/-0.049 χ^2/NDF: 384007.6/90

- sign -250.481+/-0.069 χ^2/NDF: 157401.5/46

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: -186.548+/-0.897 χ^2/NDF: 11117.8/23

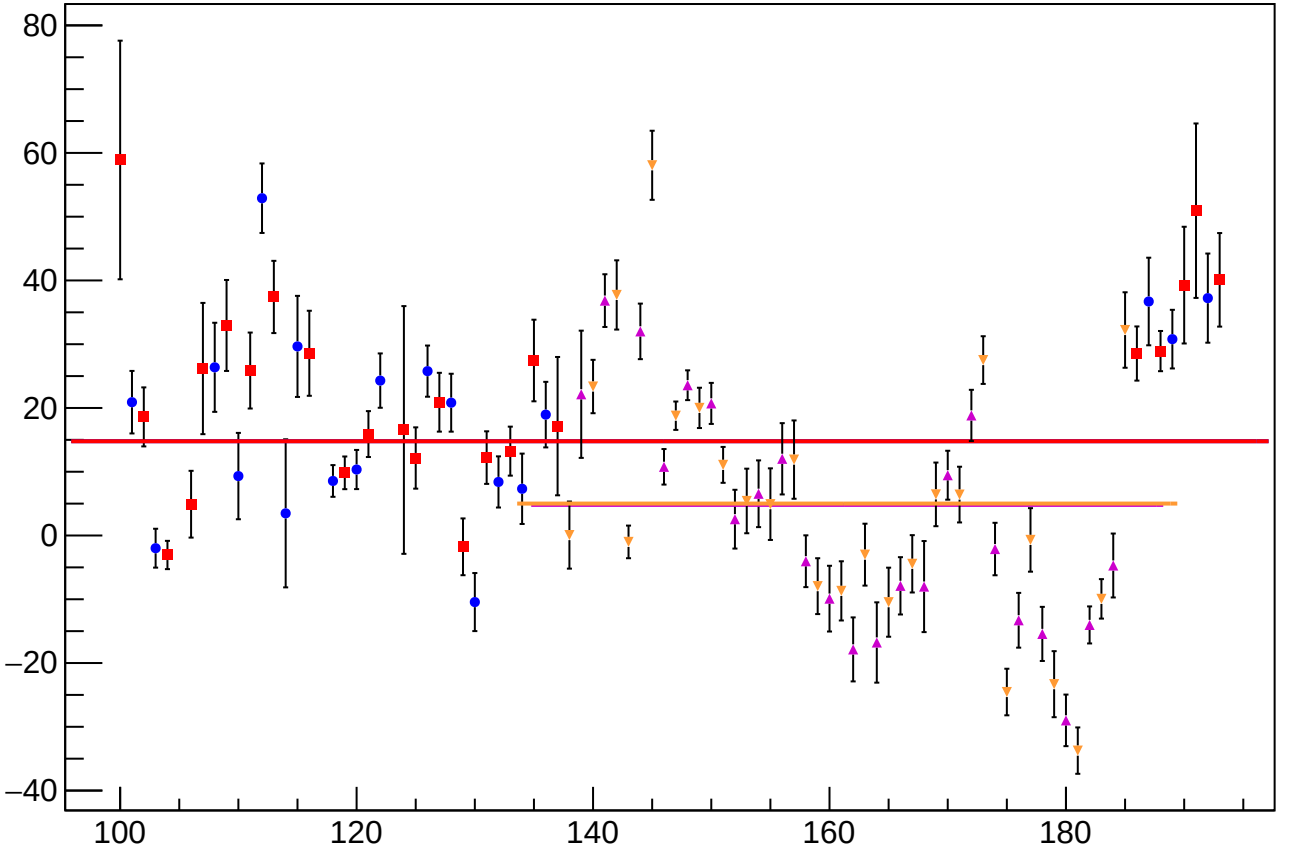
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -190.754+/-0.725 χ^2/NDF: 15204.5/43

All: -196.791+/-0.502 χ^2/NDF: 31457.4/90

- sign -202.368+/-0.697 χ^2/NDF: 16119.4/46

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: 14.781+/-0.943 χ^2/NDF: 186.8/23

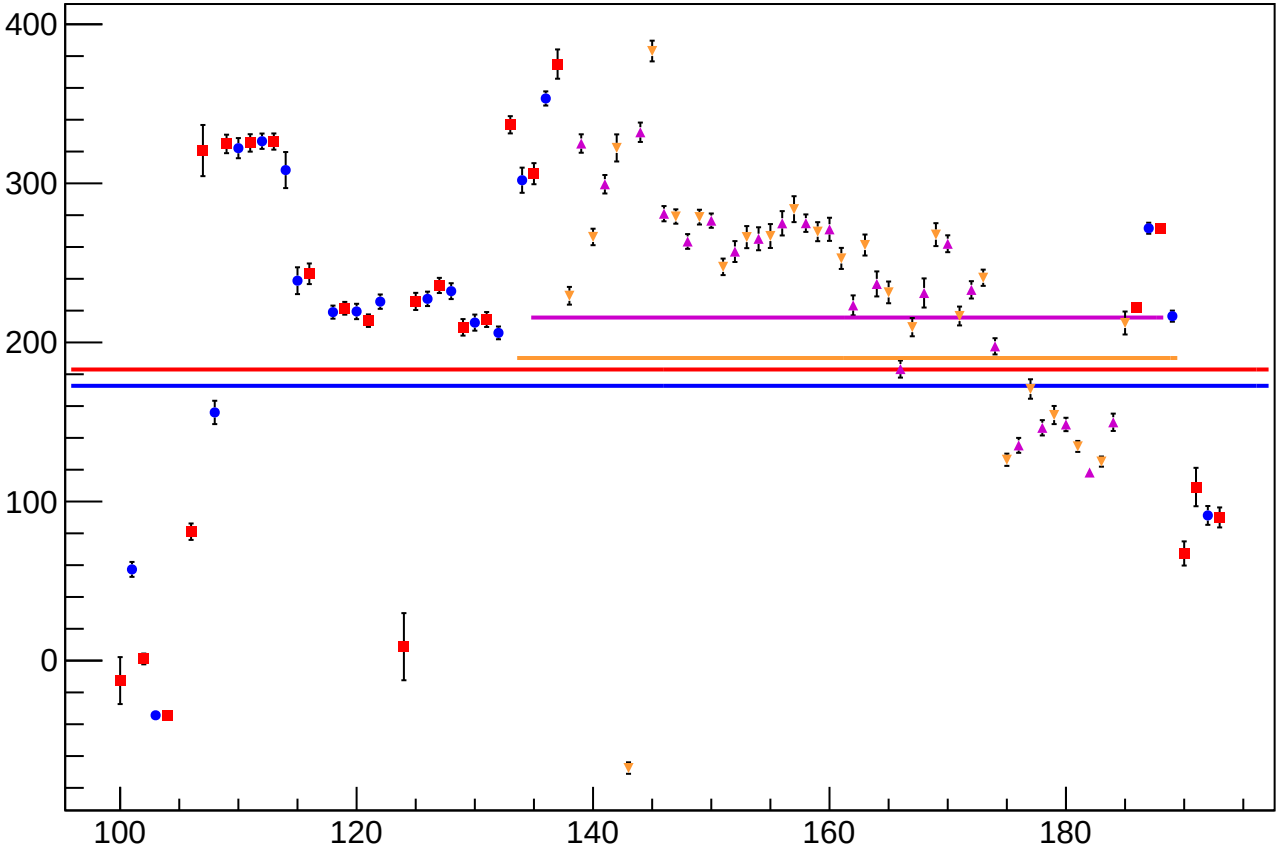
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 8.671+/-0.627 χ^2/NDF: 785.0/43

All: 8.961+/-0.444 χ^2/NDF: 1460.6/90

- sign 9.253+/-0.630 χ^2/NDF: 675.1/46

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: 182.997+/-0.877 χ^2/NDF: 20200.9/23

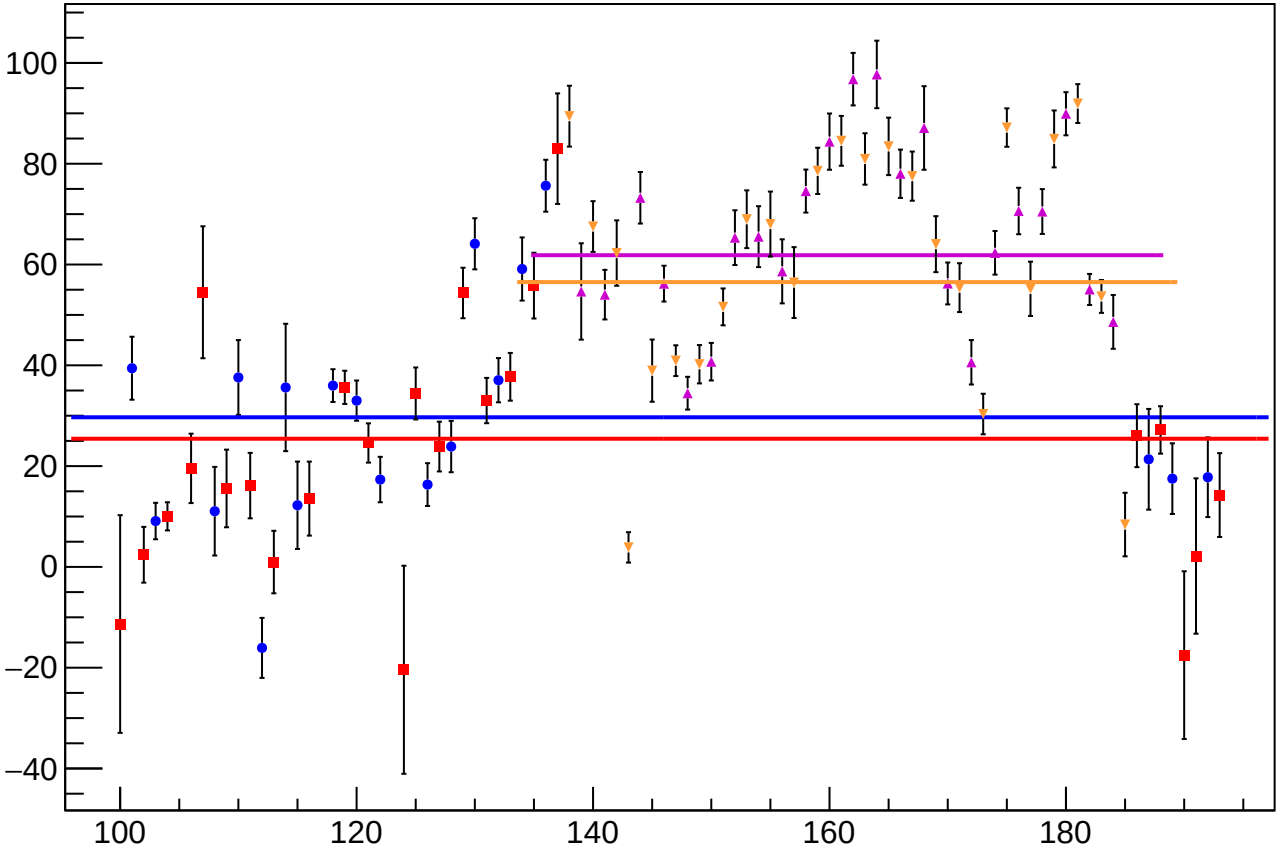
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 181.207+/-0.731 χ^2/NDF: 24756.5/43

All: 188.925+/-0.500 χ^2/NDF: 49592.7/90

- sign 195.709+/-0.685 χ^2/NDF: 24626.7/46

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: 25.432+/-1.138 χ^2/NDF: 198.8/23

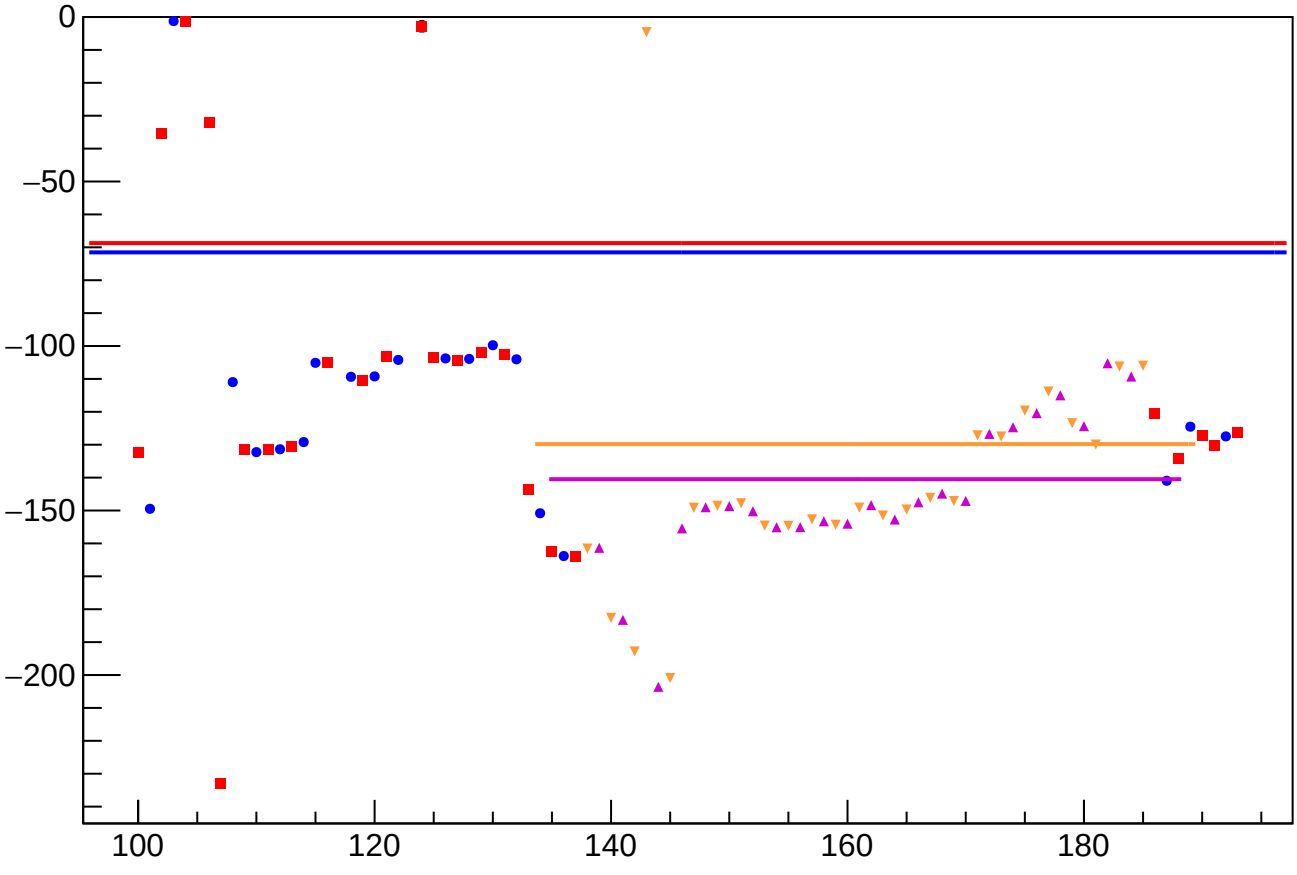
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 46.848+/-0.727 χ^2/NDF: 1396.0/43

All: 46.763+/-0.517 χ^2/NDF: 2513.4/90

- sign 46.676+/-0.734 χ^2/NDF: 1117.4/46

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: -68.716+/-0.057 χ^2/NDF: 1077365.9/23

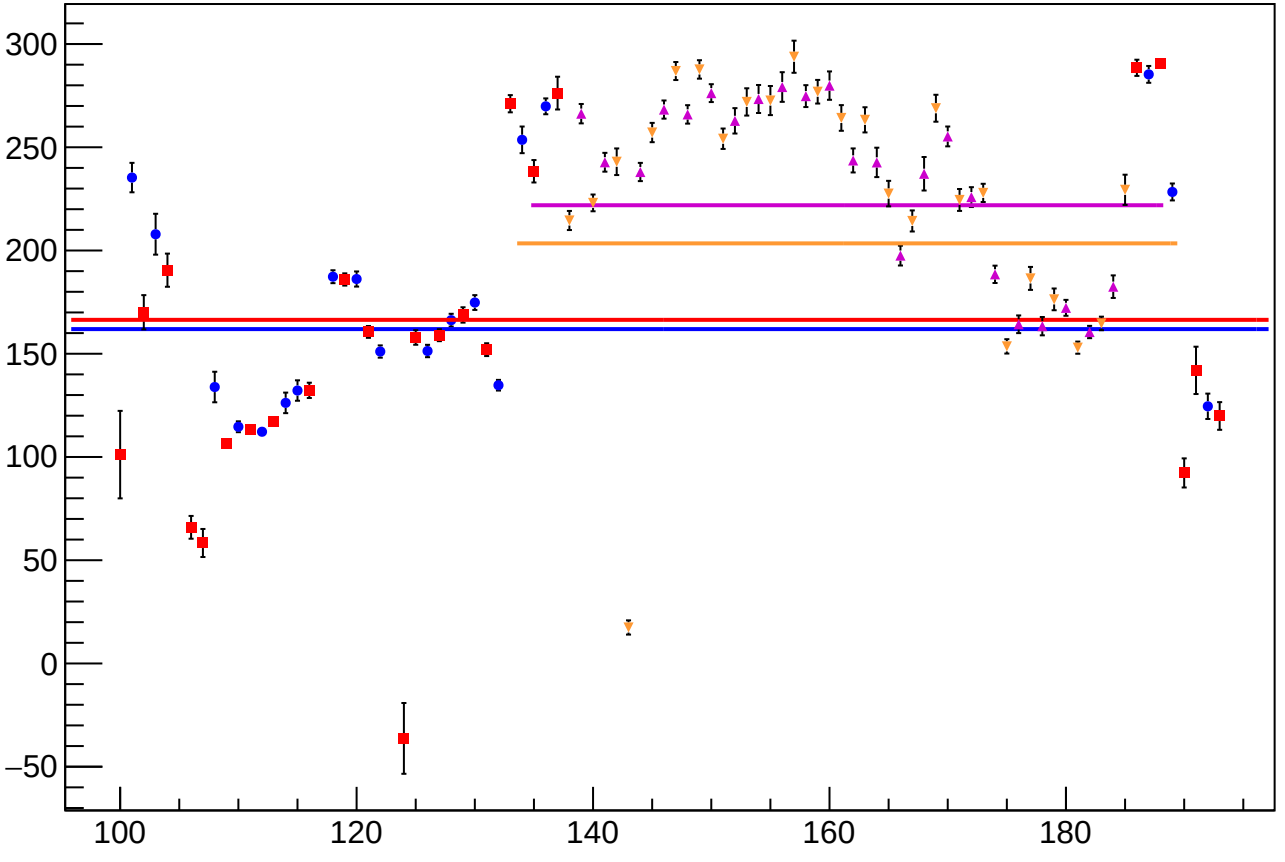
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -110.655+/-0.035 χ^2/NDF: 2803853.8/43

All: -112.353+/-0.024 χ^2/NDF: 5134621.2/90

- sign -114.067+/-0.035 χ^2/NDF: 2325913.8/46

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: 166.421+/-0.747 χ^2/NDF: 7996.1/23

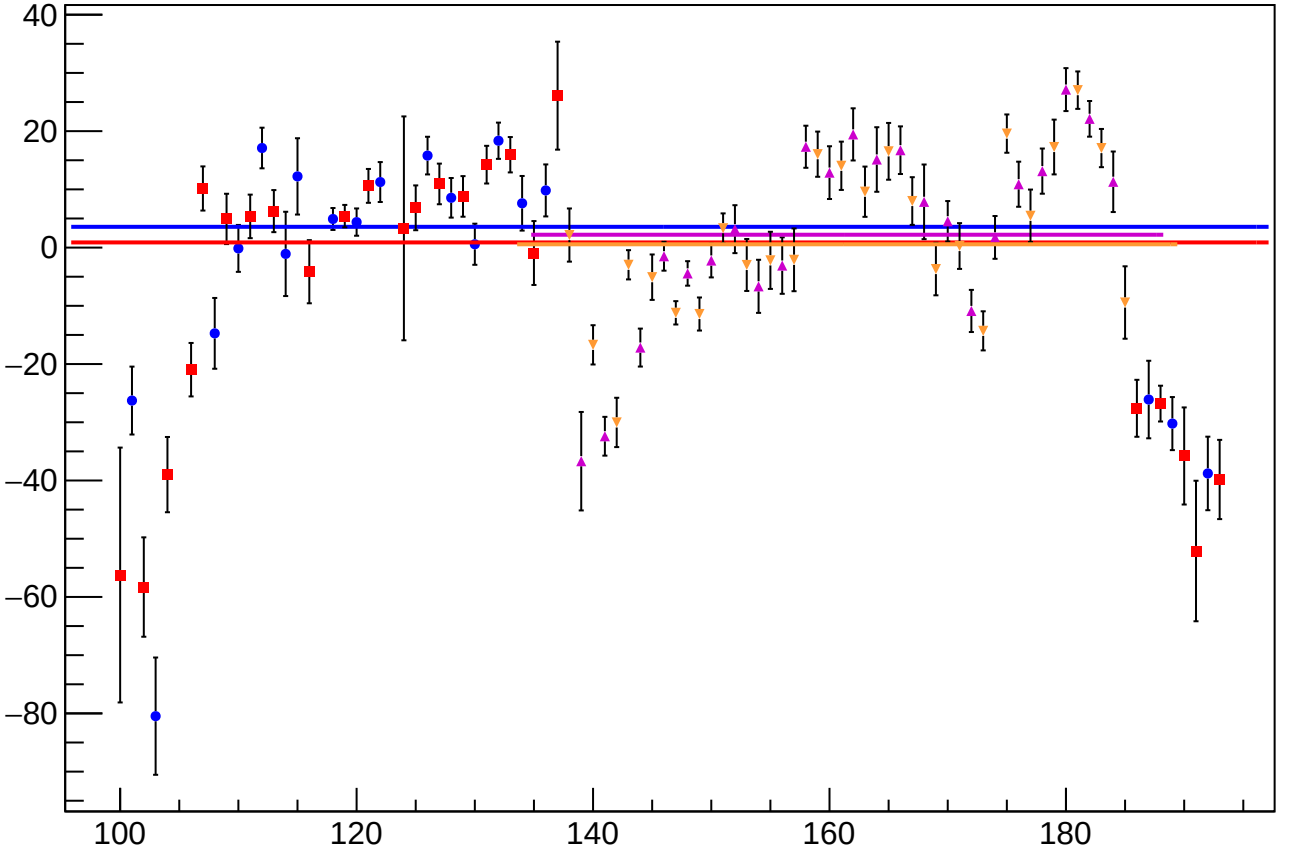
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 179.714+/-0.624 χ^2/NDF: 10153.3/43

All: 183.106+/-0.432 χ^2/NDF: 22162.1/90

- sign 186.238+/-0.599 χ^2/NDF: 11951.9/46

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: 0.888+/-0.829 χ^2/NDF: 398.0/23

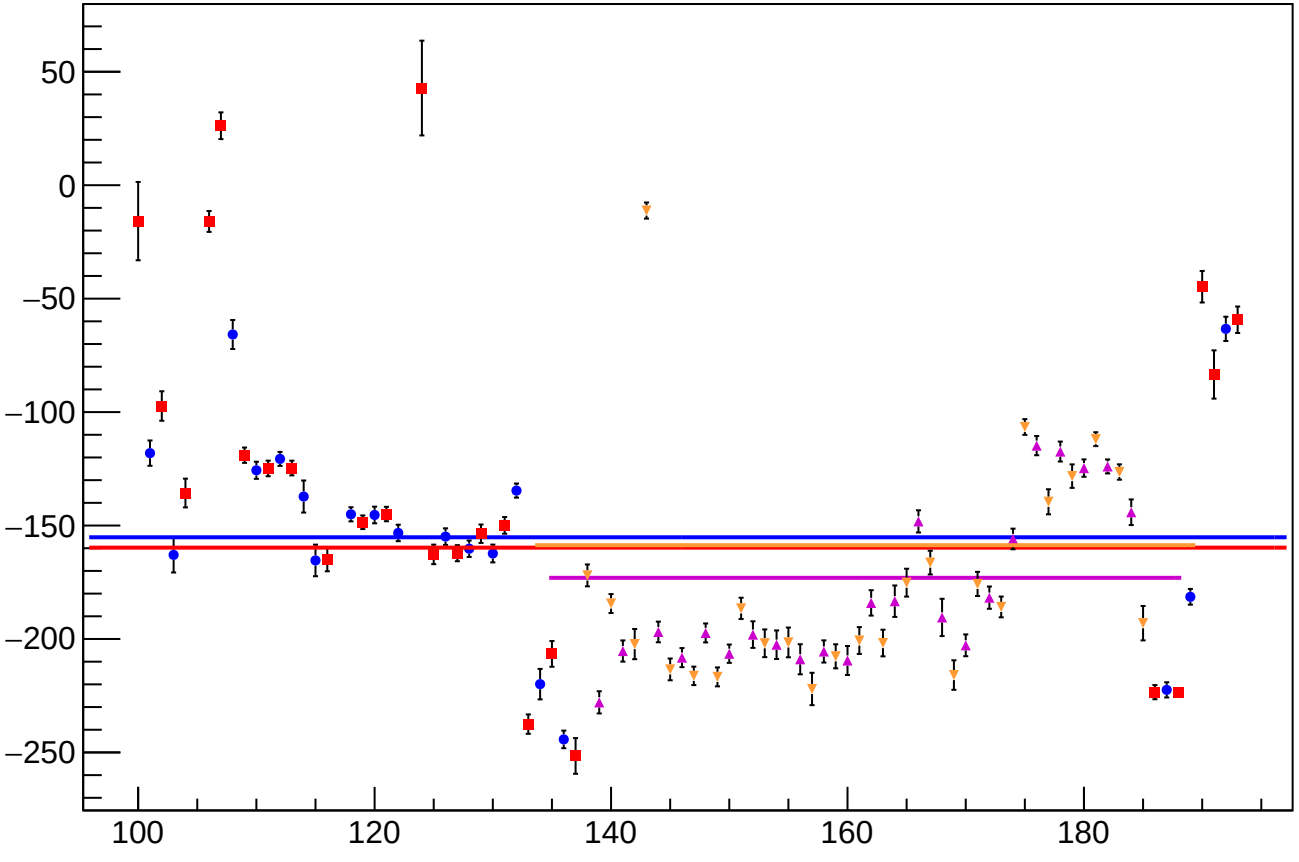
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 1.799+/-0.550 χ^2/NDF: 643.5/43

All: 1.704+/-0.392 χ^2/NDF: 1401.1/90

- sign 1.606+/-0.560 χ^2/NDF: 757.6/46

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: -159.739+/-0.817 χ^2/NDF: 5543.2/23

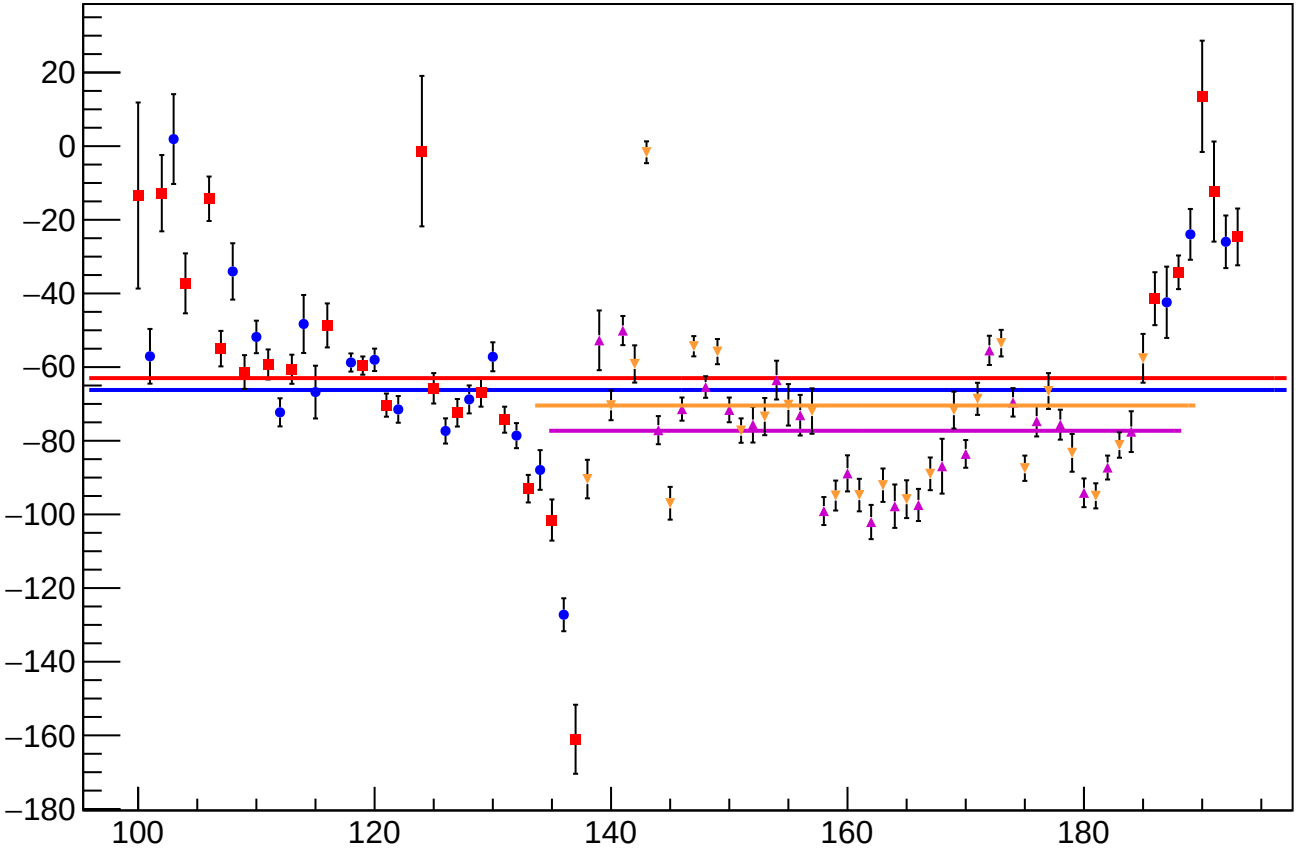
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -156.876+/-0.665 χ^2/NDF: 5378.9/43

All: -161.194+/-0.458 χ^2/NDF: 12509.1/90

- sign -165.096+/-0.632 χ^2/NDF: 7049.8/46

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: -62.990+/-0.977 χ^2/NDF: 480.9/23

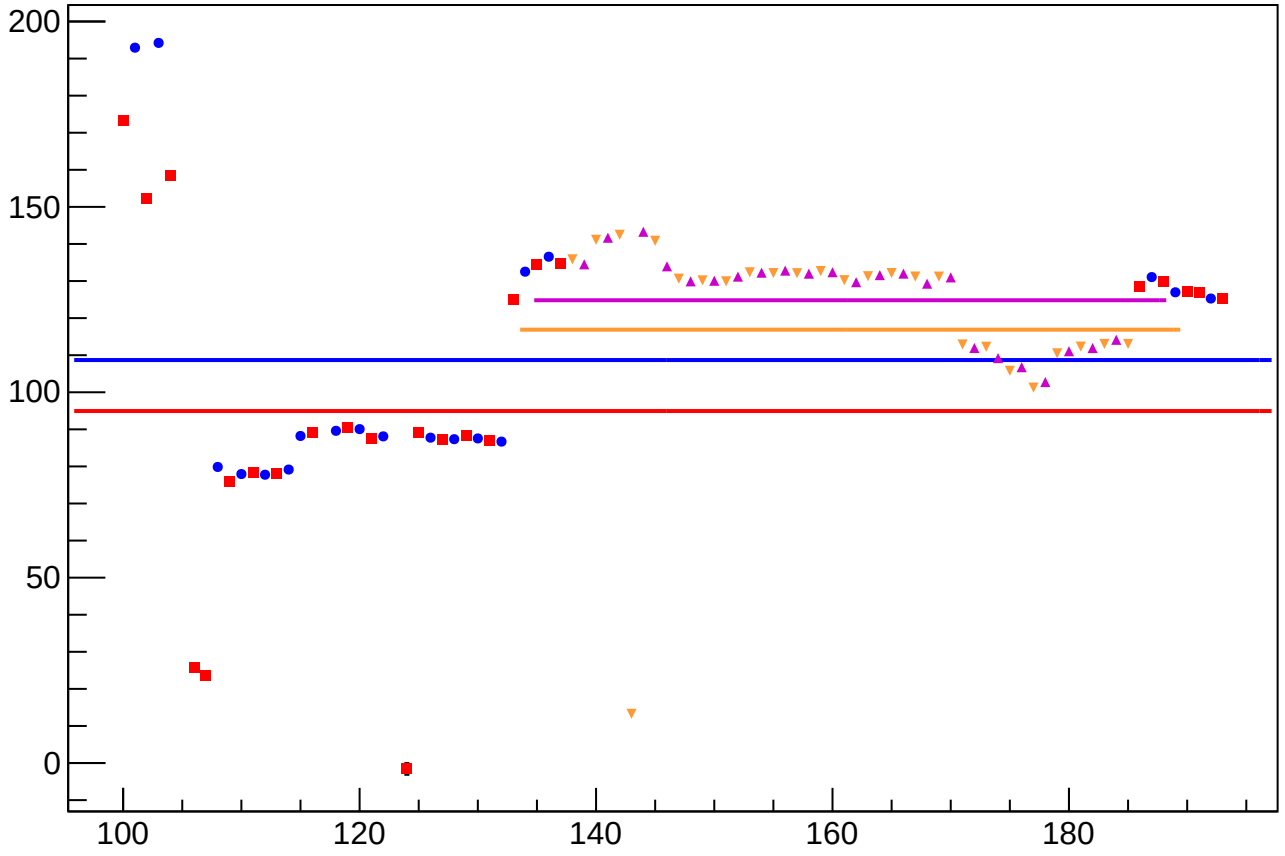
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -68.741+/-0.636 χ^2/NDF: 1306.9/43

All: -69.849+/-0.454 χ^2/NDF: 2168.2/90

- sign -70.999+/-0.648 χ^2/NDF: 855.1/46

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: 94.940+/-0.059 χ^2/NDF: 441931.2/23

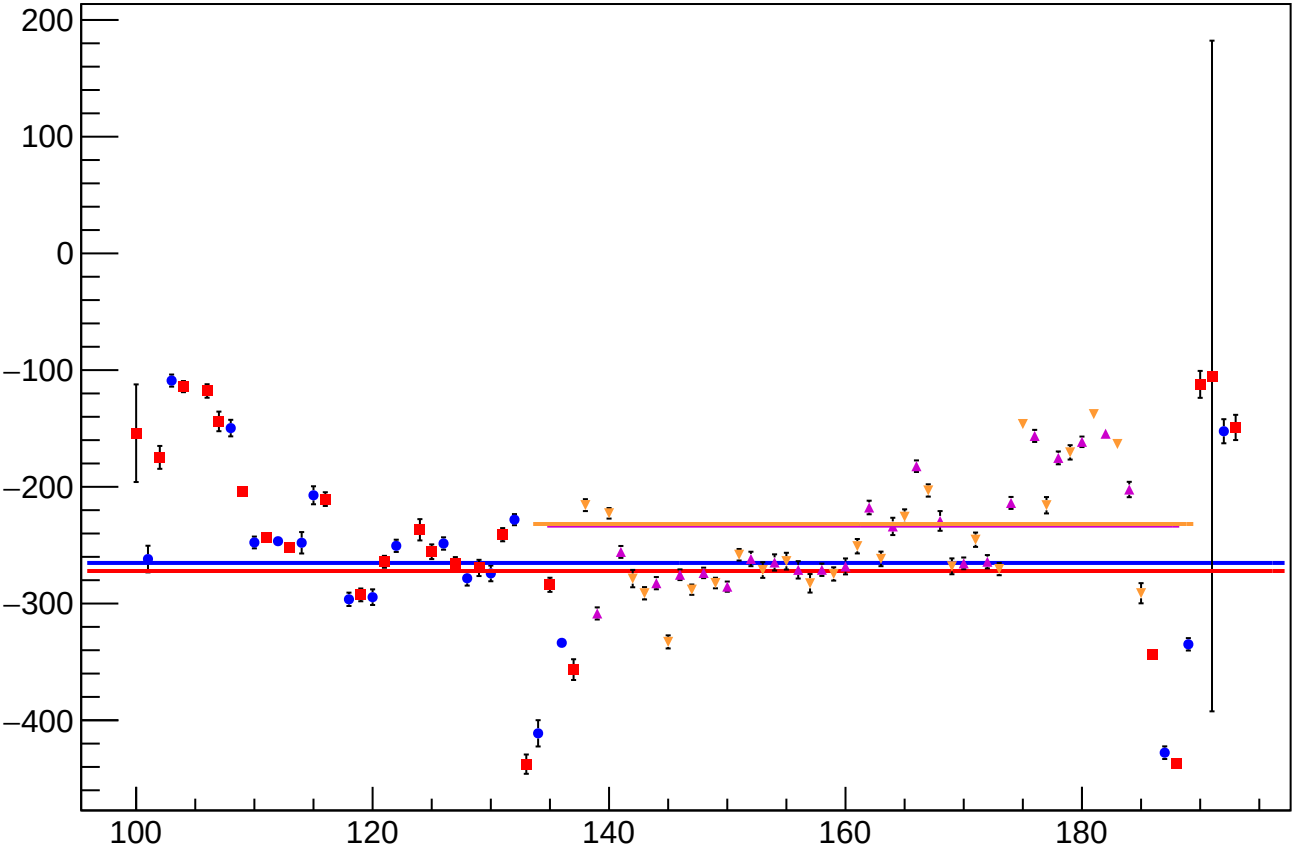
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 114.807+/-0.033 χ^2/NDF: 887171.8/43

All: 115.256+/-0.023 χ^2/NDF: 1593721.0/90

- sign 115.701+/-0.033 χ^2/NDF: 706178.9/46

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: -272.119+/-1.147 χ^2/NDF: 7094.8/23

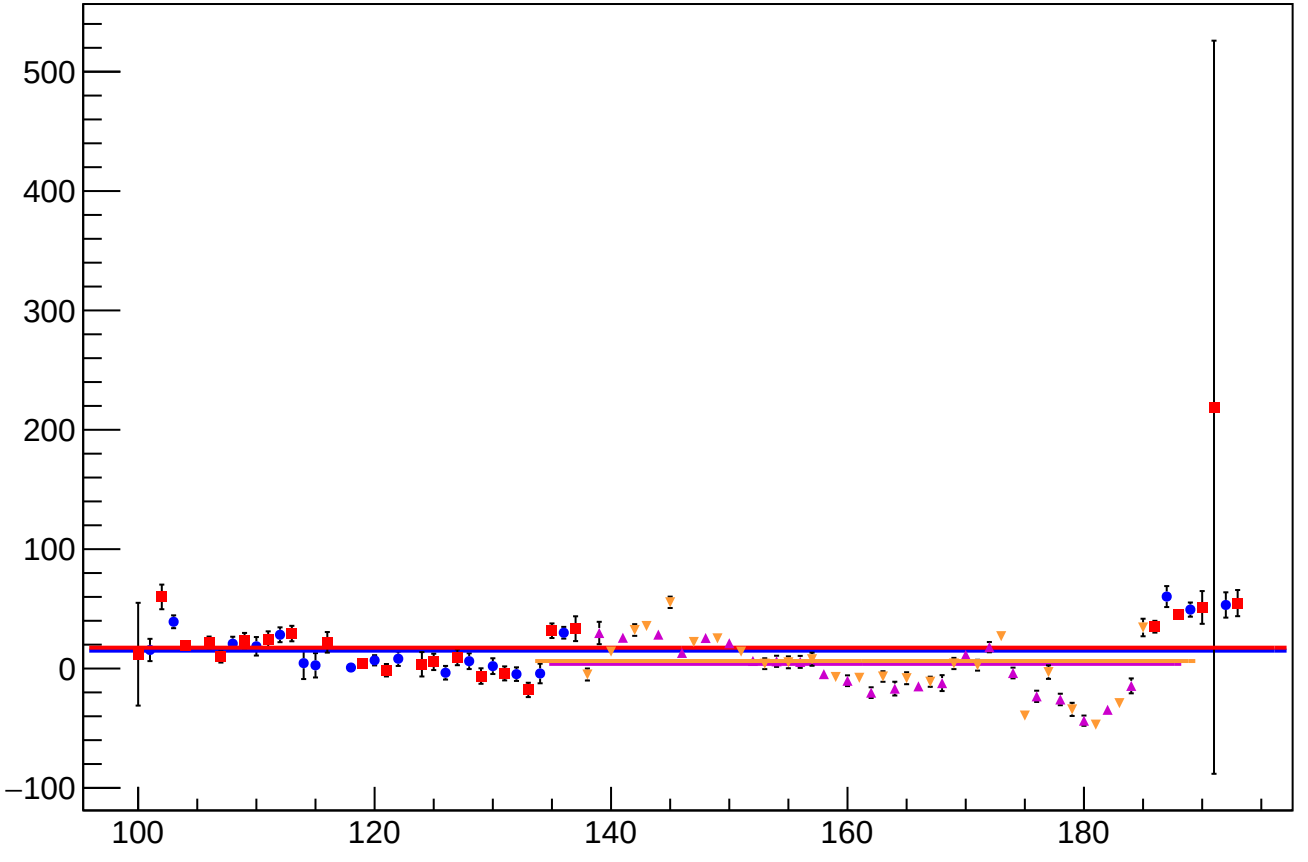
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -245.067+/-0.839 χ^2/NDF: 6084.9/43

All: -248.716+/-0.578 χ^2/NDF: 15876.4/90

- sign -252.004+/-0.797 χ^2/NDF: 9755.6/46

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: 17.475+/-1.239 χ^2/NDF: 208.9/23

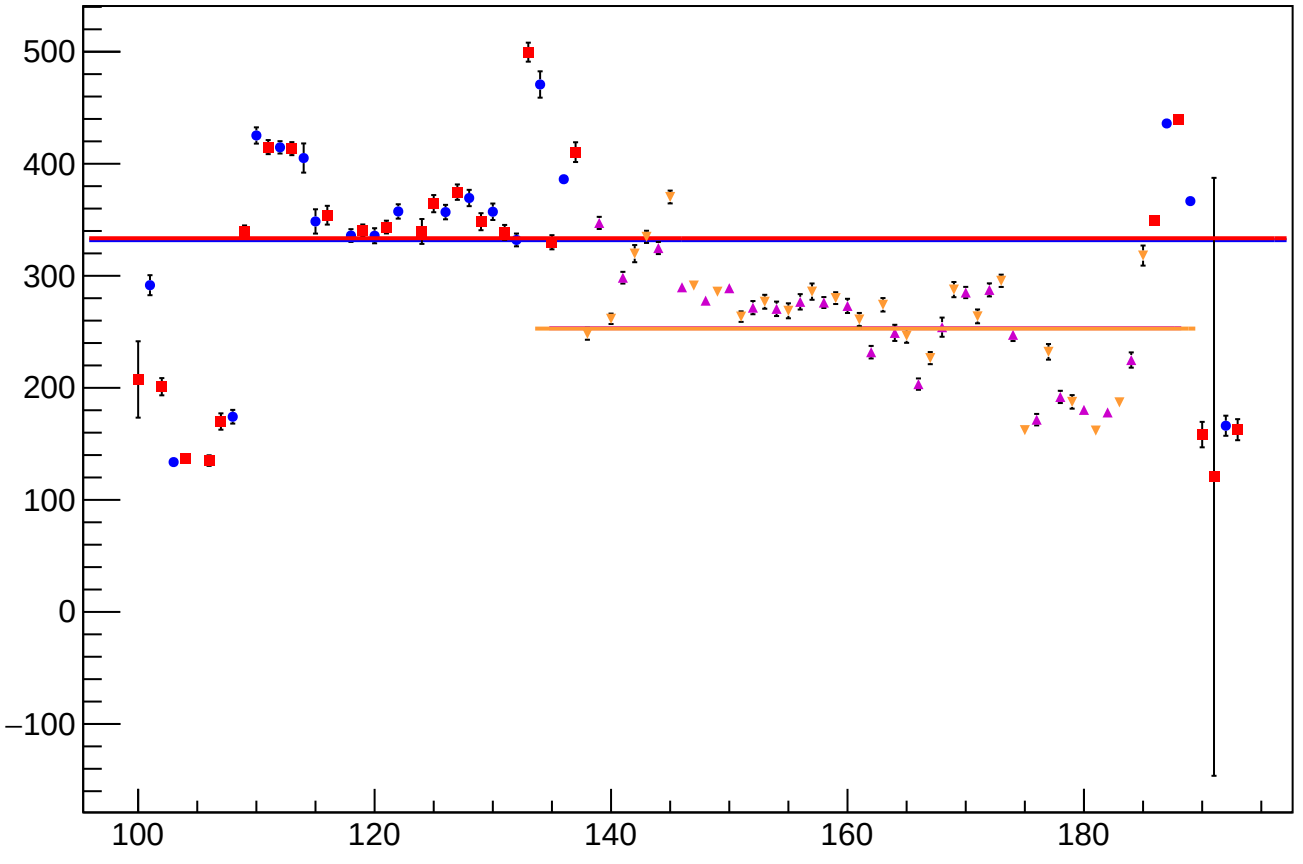
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 8.390+/-0.687 χ^2/NDF: 1066.4/43

All: 8.208+/-0.484 χ^2/NDF: 2009.2/90

- sign 8.028+/-0.683 χ^2/NDF: 942.7/46

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: 333.523+/-1.149 χ^2/NDF: 8845.1/23

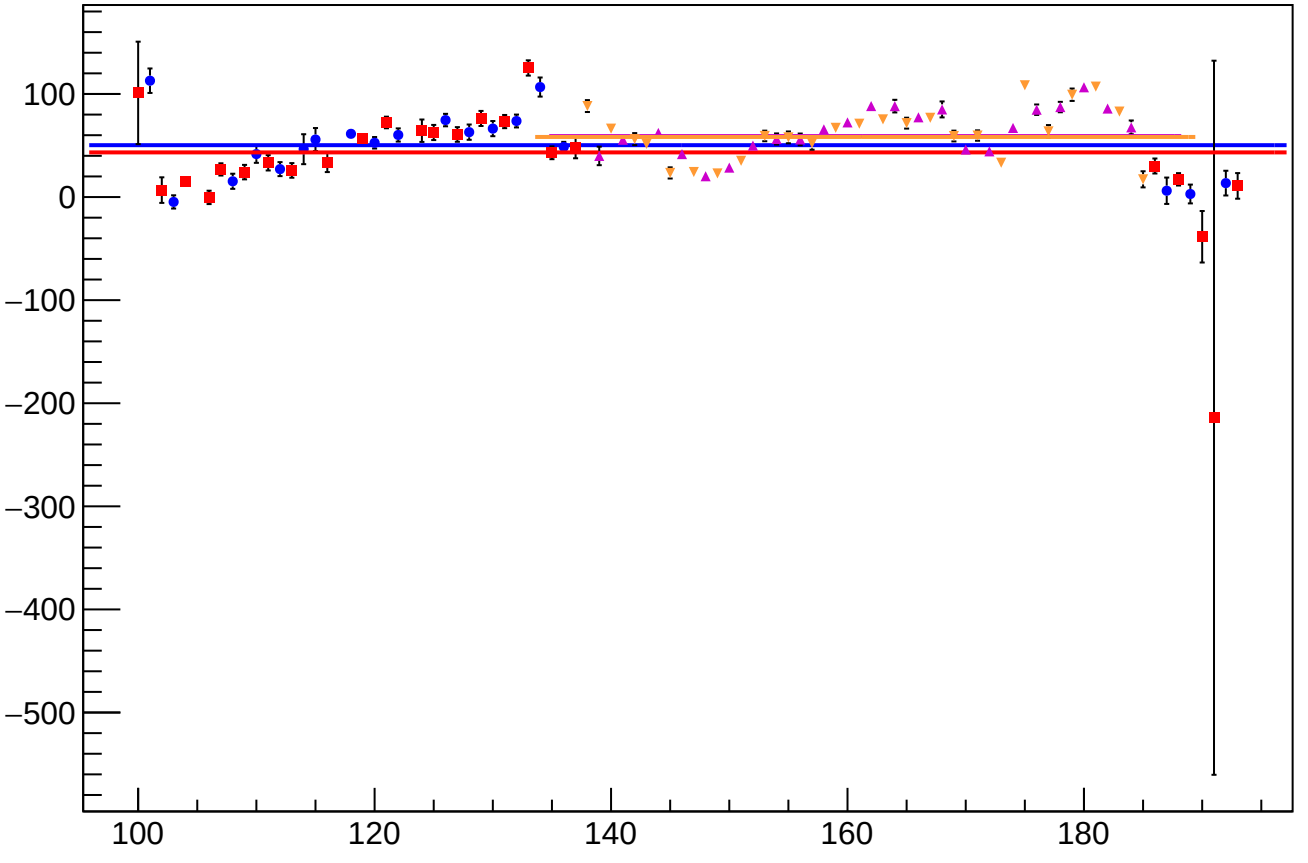
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 282.047+/-0.850 χ^2/NDF: 9394.4/43

All: 287.043+/-0.580 χ^2/NDF: 22924.3/90

- sign 291.382+/-0.792 χ^2/NDF: 13465.4/46

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: 43.319+/-1.493 χ^2/NDF: 370.4/23

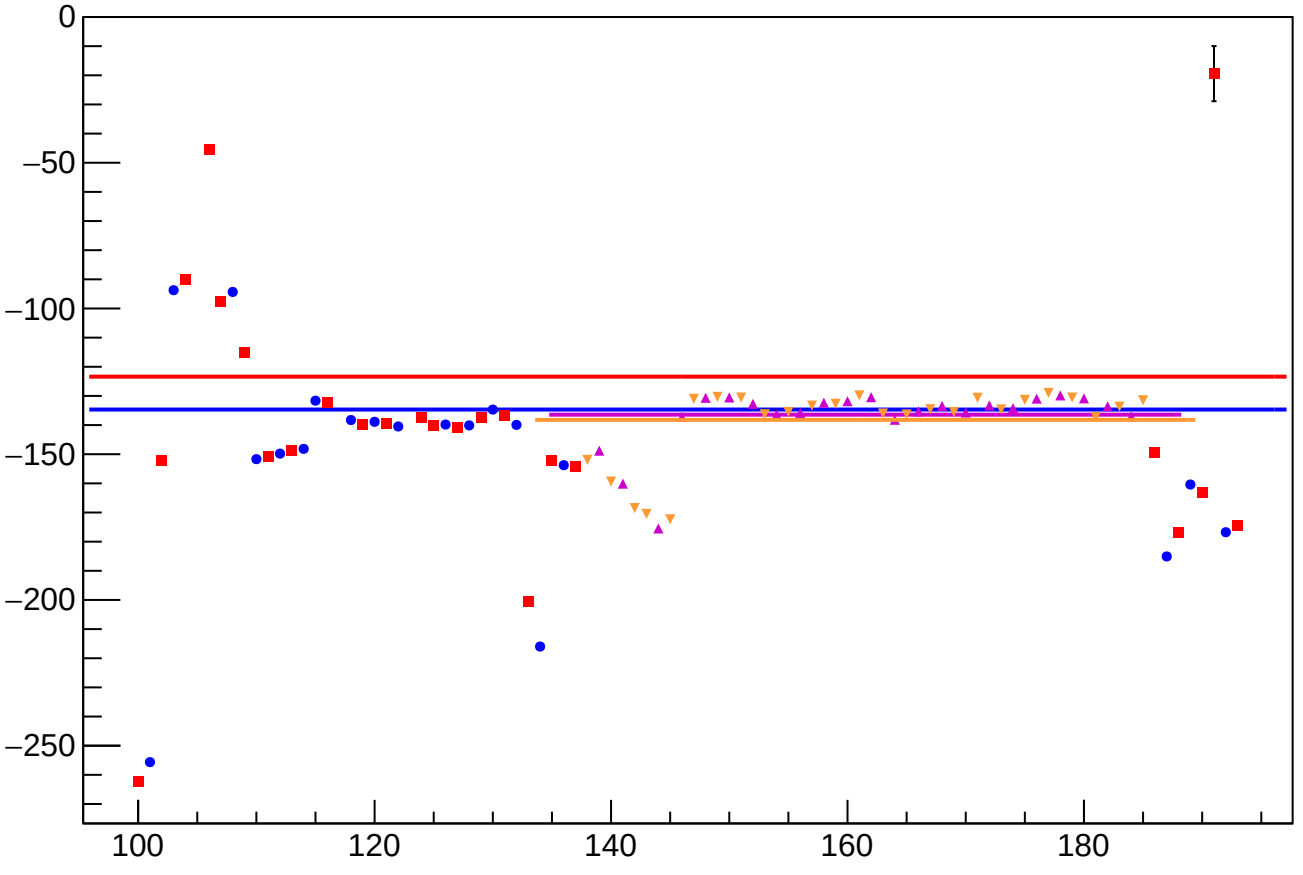
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 56.425+/-0.797 χ^2/NDF: 1137.3/43

All: 55.544+/-0.563 χ^2/NDF: 2223.2/90

- sign 54.668+/-0.794 χ^2/NDF: 1083.4/46

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: -123.389+/-0.080 χ^2/NDF: 264256.0/23

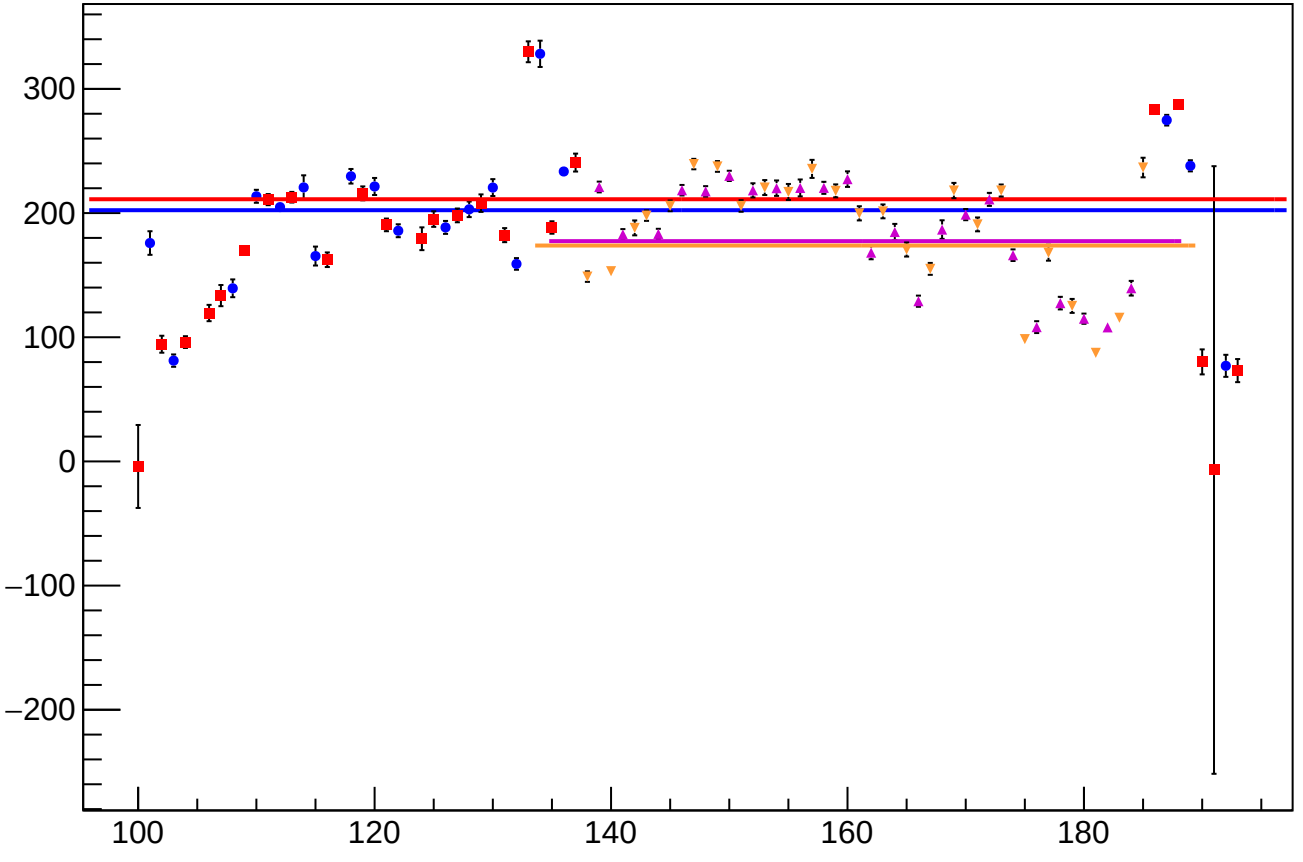
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -137.522+/-0.038 χ^2/NDF: 280739.9/43

All: -135.490+/-0.027 χ^2/NDF: 621224.9/90

- sign -133.498+/-0.038 χ^2/NDF: 334856.4/46

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: 211.143+/-1.081 χ^2/NDF: 3553.4/23

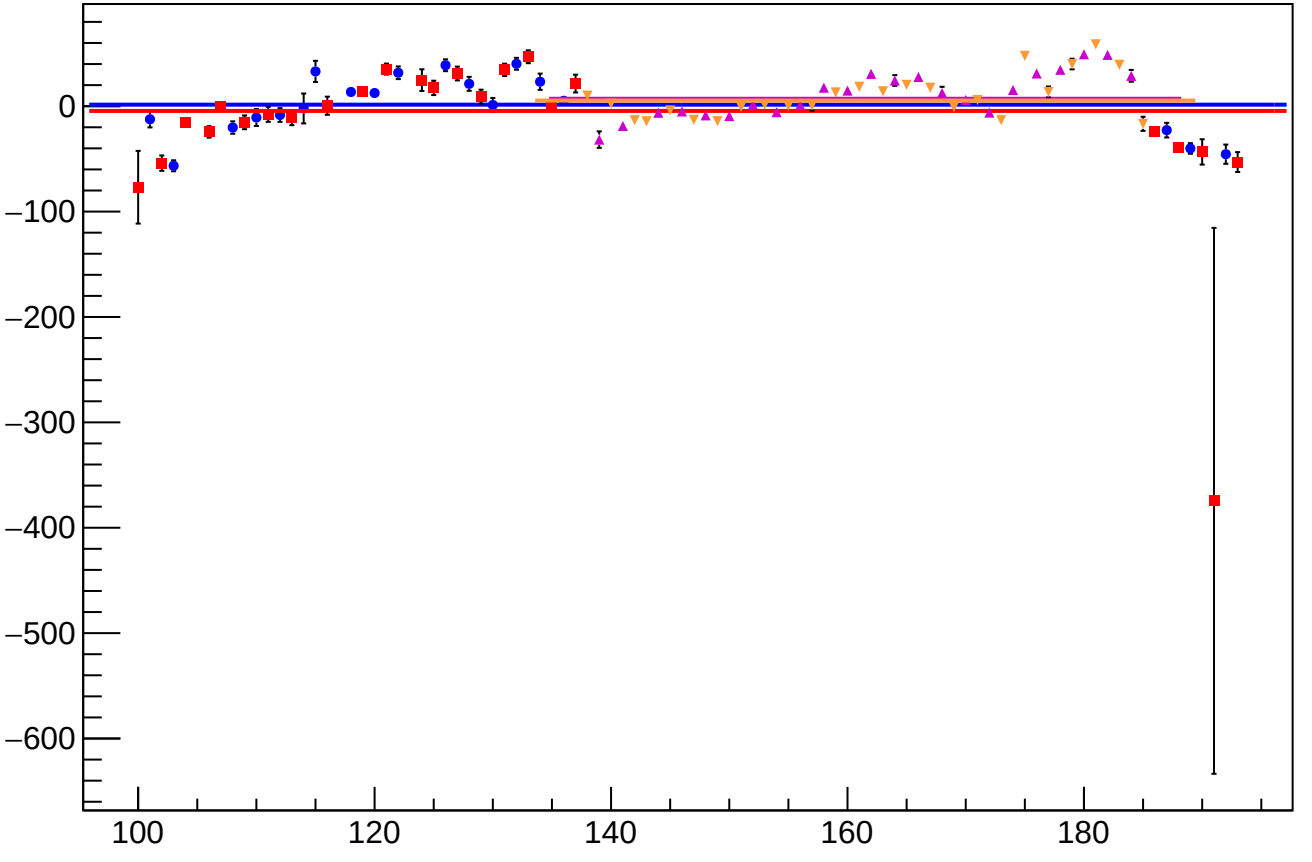
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

\+ sign 184.259+/-0.766 χ^2/NDF: 4564.1/43

All: 188.767+/-0.529 χ^2/NDF: 10673.7/90

\- sign 192.884+/-0.732 χ^2/NDF: 6043.5/46

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: -4.466+/-1.188 χ^2/NDF: 513.0/23

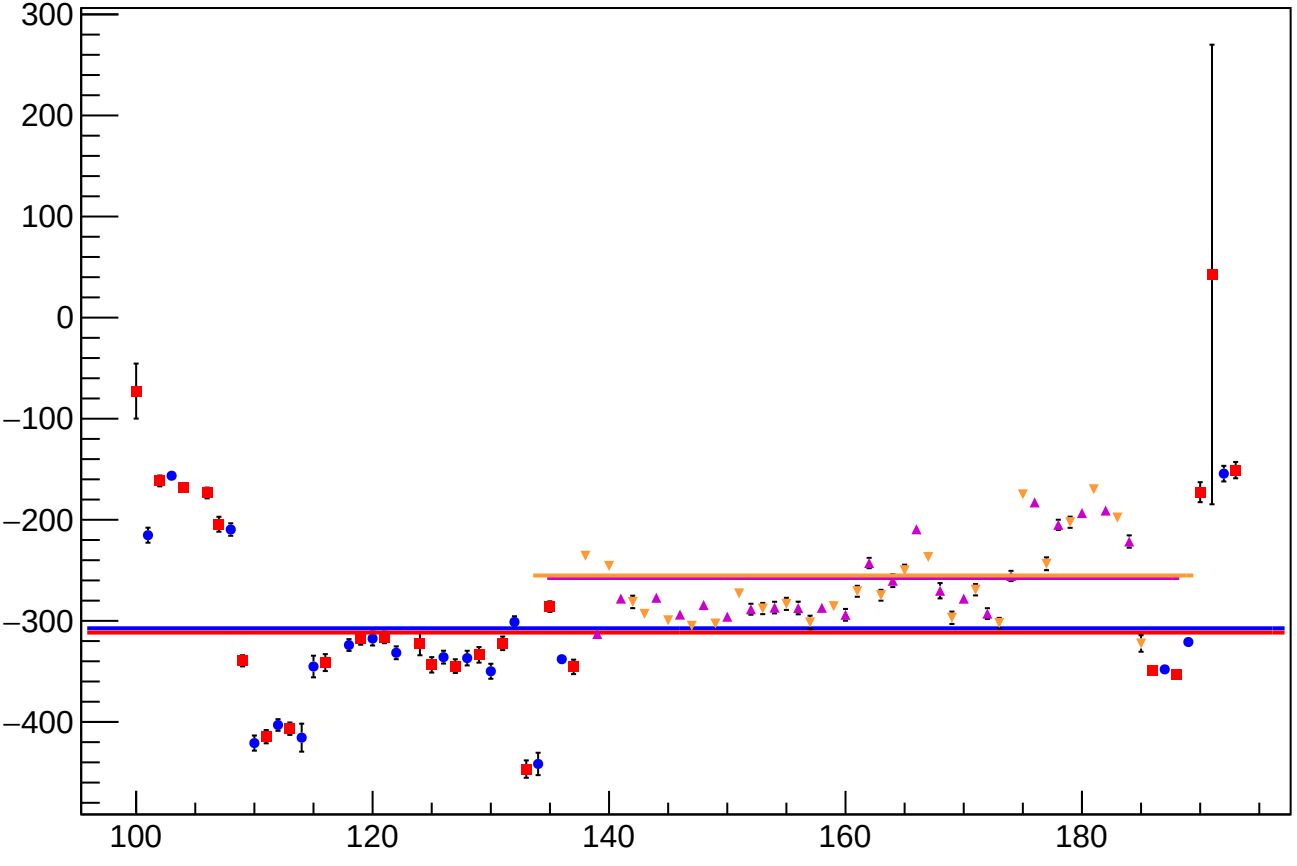
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 4.511+/-0.628 χ^2/NDF: 1230.7/43

All: 4.170+/-0.444 χ^2/NDF: 2521.8/90

- sign 3.828+/-0.629 χ^2/NDF: 1290.5/46

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: -311.585+/-1.049 χ^2/NDF: 5343.9/23

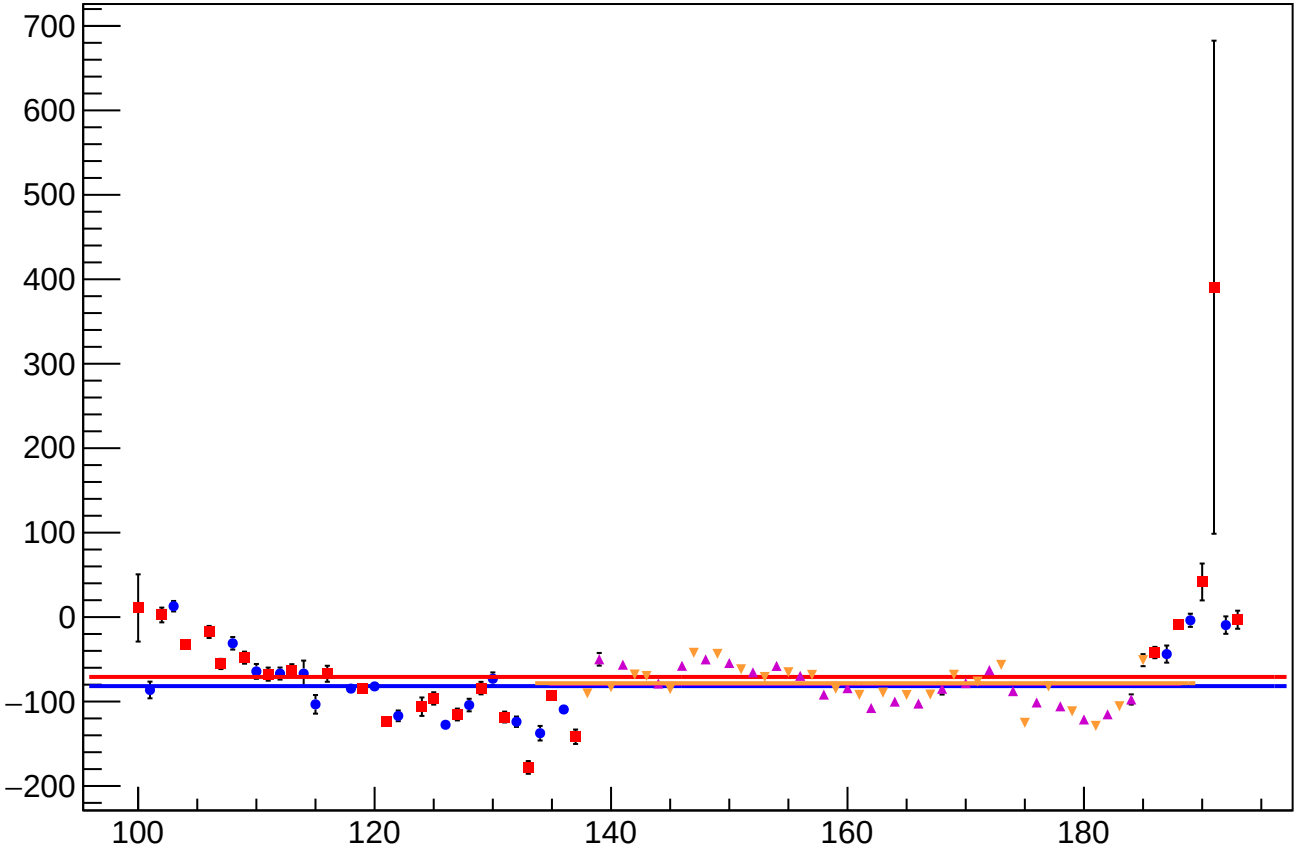
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -273.568+/-0.769 χ^2/NDF: 6729.9/43

All: -278.549+/-0.525 χ^2/NDF: 15368.0/90

- sign -282.890+/-0.718 χ^2/NDF: 8559.5/46

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: -70.863+/-1.440 χ^2/NDF: 972.1/23

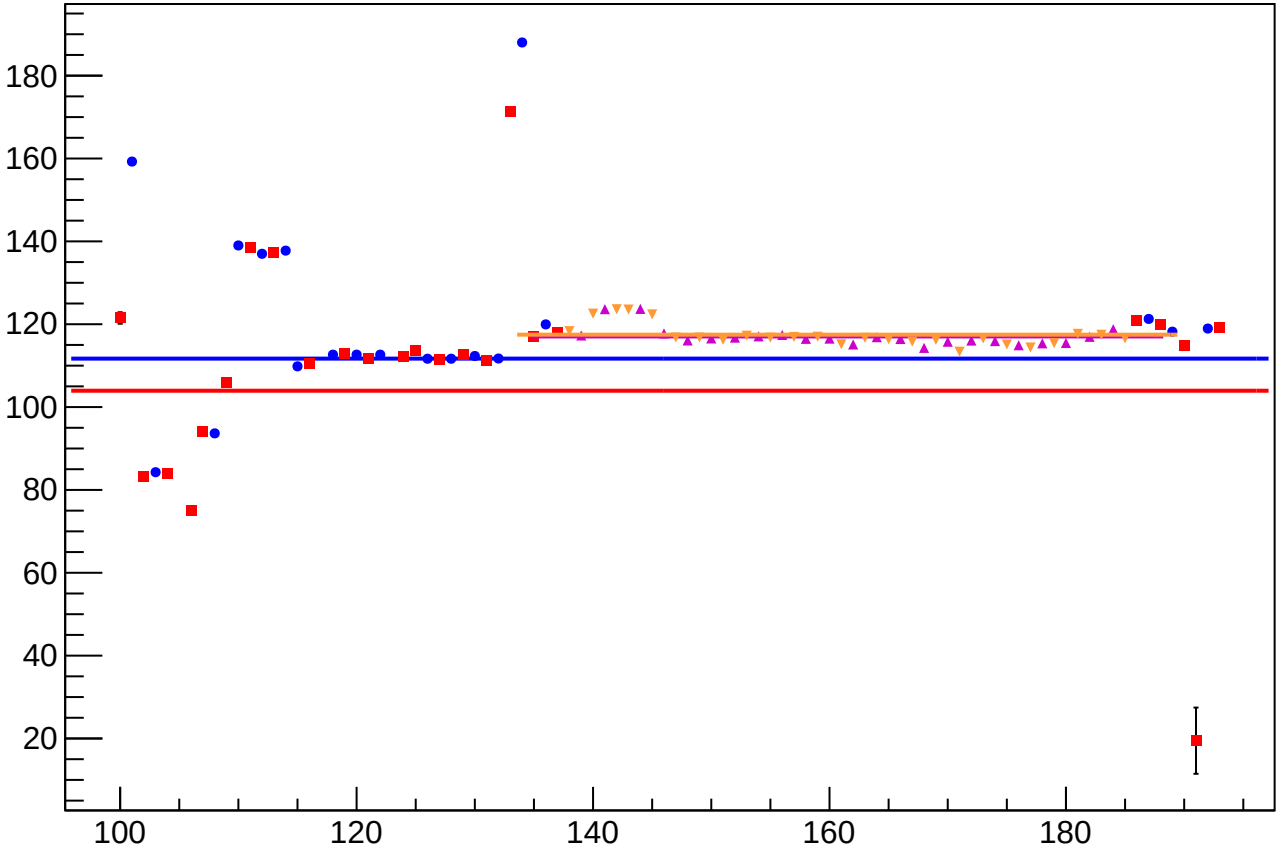
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

\+ sign -79.021+/-0.727 χ^2/NDF: 1561.7/43

All: -77.992+/-0.516 χ^2/NDF: 3264.6/90

\- sign -76.950+/-0.731 χ^2/NDF: 1698.9/46

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: 103.949+/-0.074 χ^2/NDF: 70676.3/23

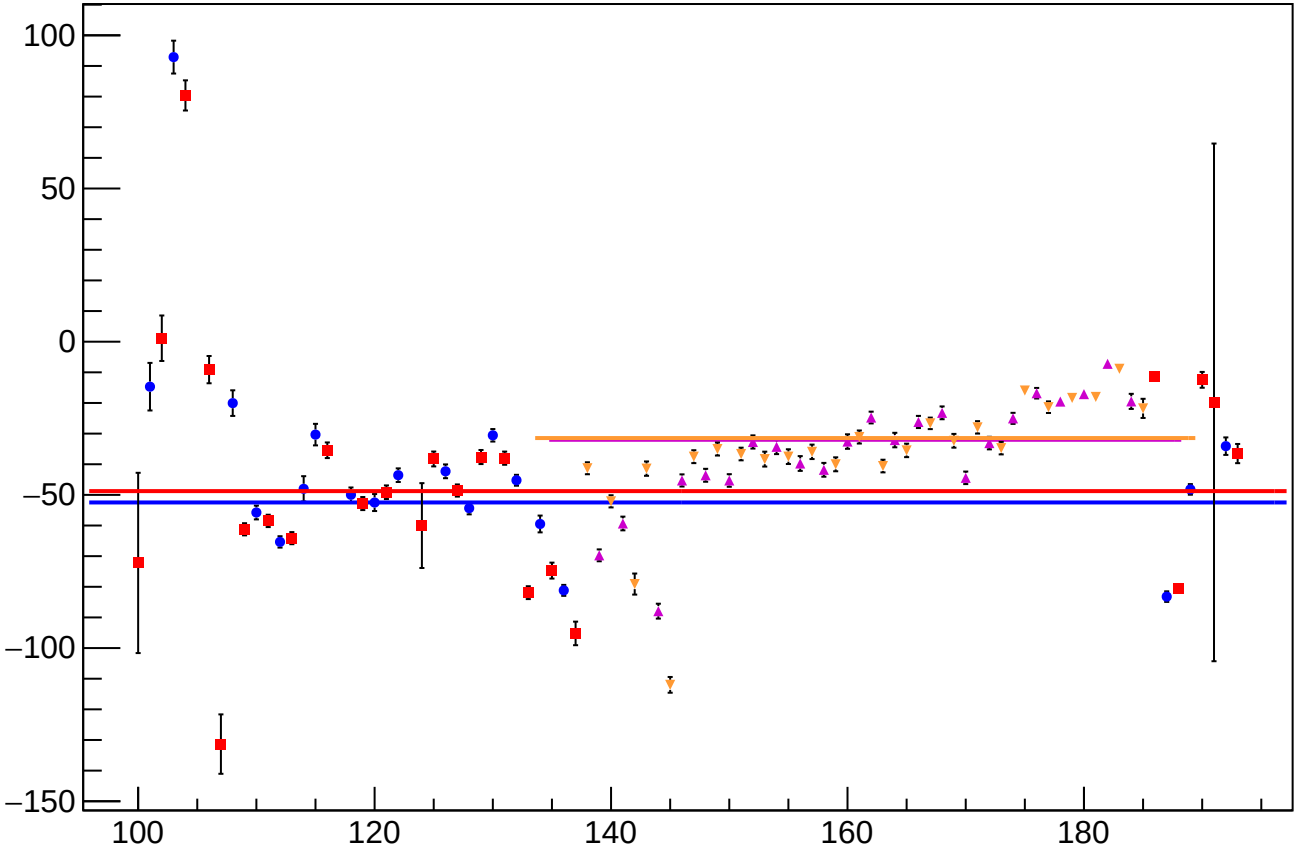
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.419+/-0.034 χ^2/NDF: 93708.8/43

All: 115.331+/-0.024 χ^2/NDF: 194289.4/90

- sign 114.250+/-0.034 χ^2/NDF: 98581.6/46

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: -48.770+/-0.453 χ^2/NDF: 4092.9/23

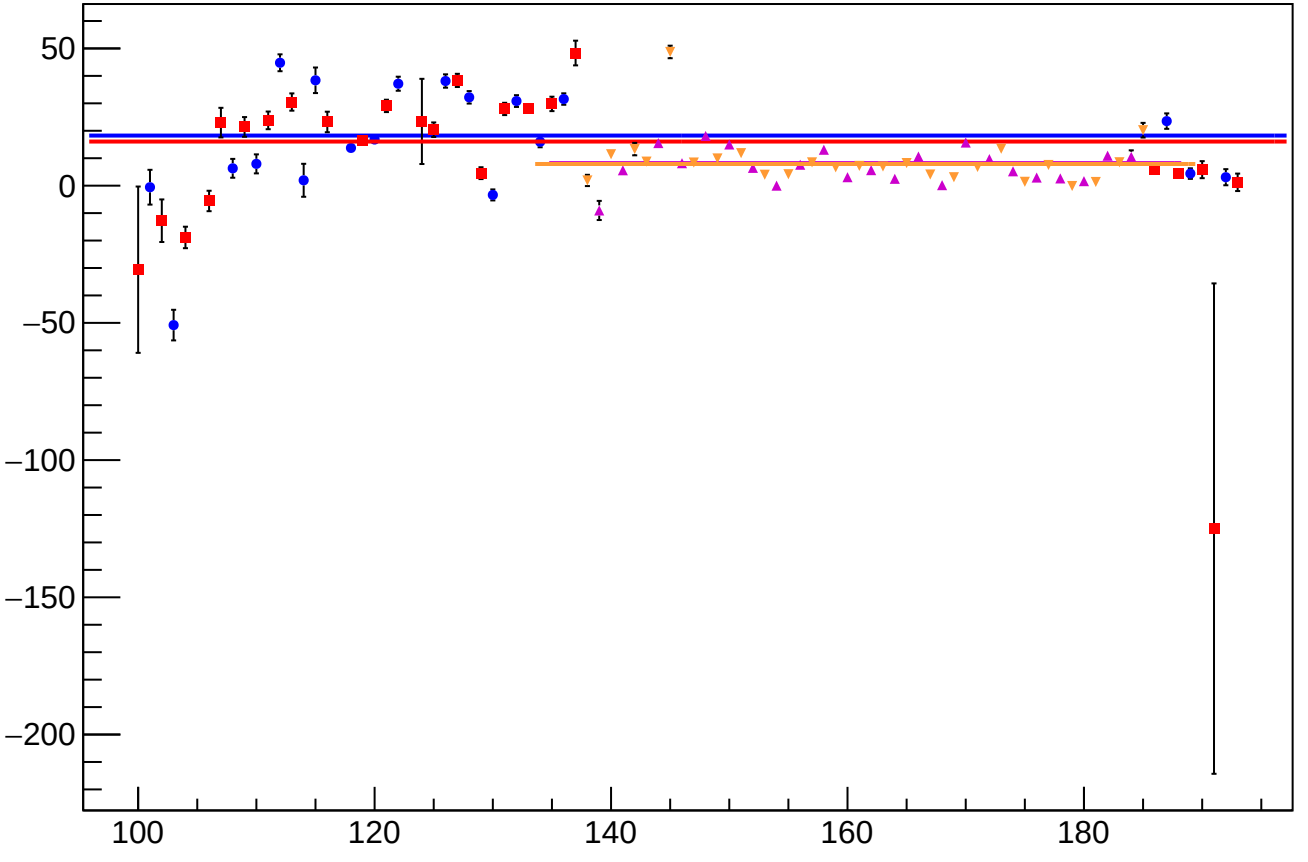
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -38.943+/-0.320 χ^2/NDF: 4689.7/43

All: -39.262+/-0.220 χ^2/NDF: 11452.2/90

- sign -39.549+/-0.304 χ^2/NDF: 6760.6/46

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: 16.075+/-0.506 χ^2/NDF: 650.9/23

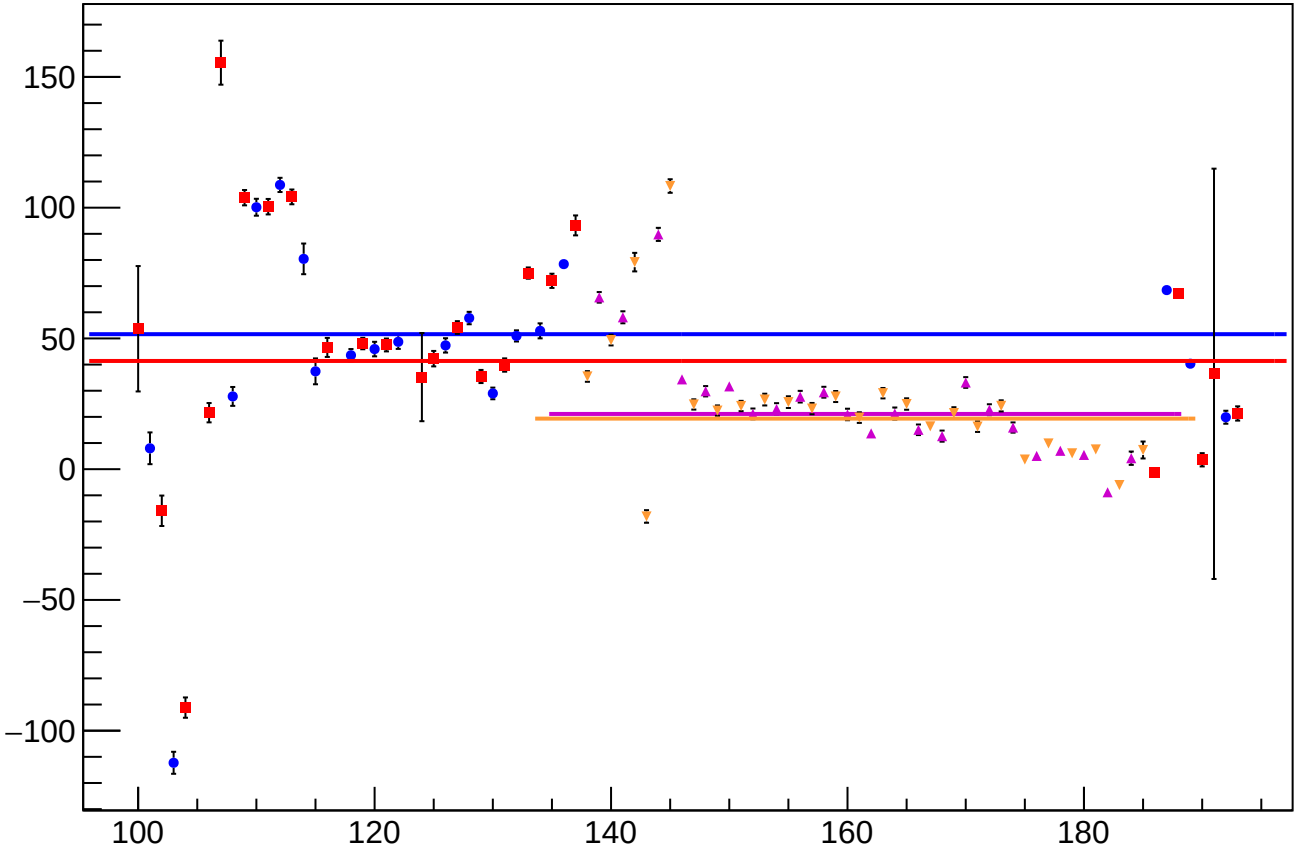
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

\+ sign 10.250+/-0.267 χ^2/NDF: 1481.7/43

All: 10.336+/-0.189 χ^2/NDF: 2645.0/90

\- sign 10.421+/-0.268 χ^2/NDF: 1163.1/46

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: 41.382+/-0.437 χ^2/NDF: 7297.5/23

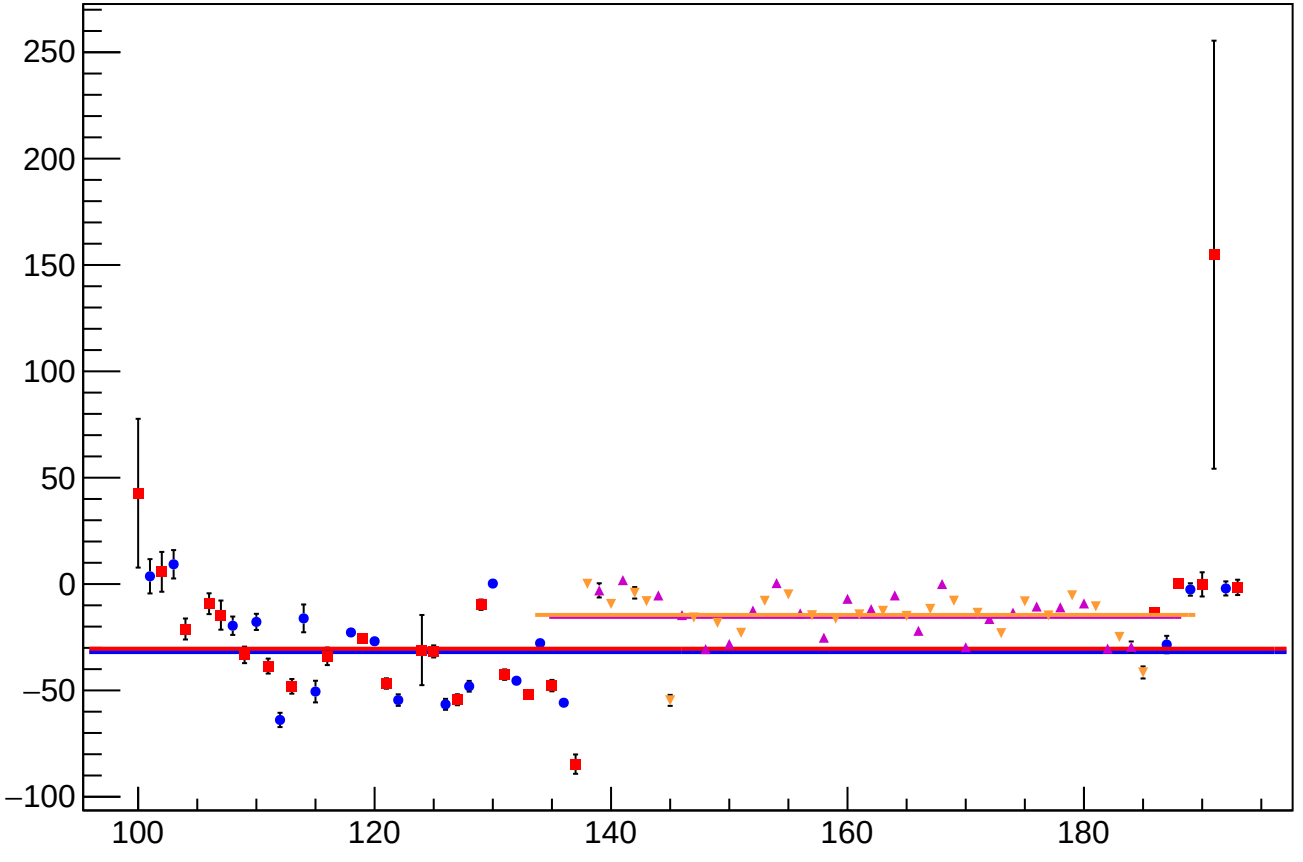
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

+ sign 30.079+/-0.323 χ^2/NDF: 7923.8/43

All: 30.302+/-0.219 χ^2/NDF: 18885.0/90

- sign 30.489+/-0.297 χ^2/NDF: 10960.3/46

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: -30.394+/-0.622 χ^2/NDF: 1030.7/23

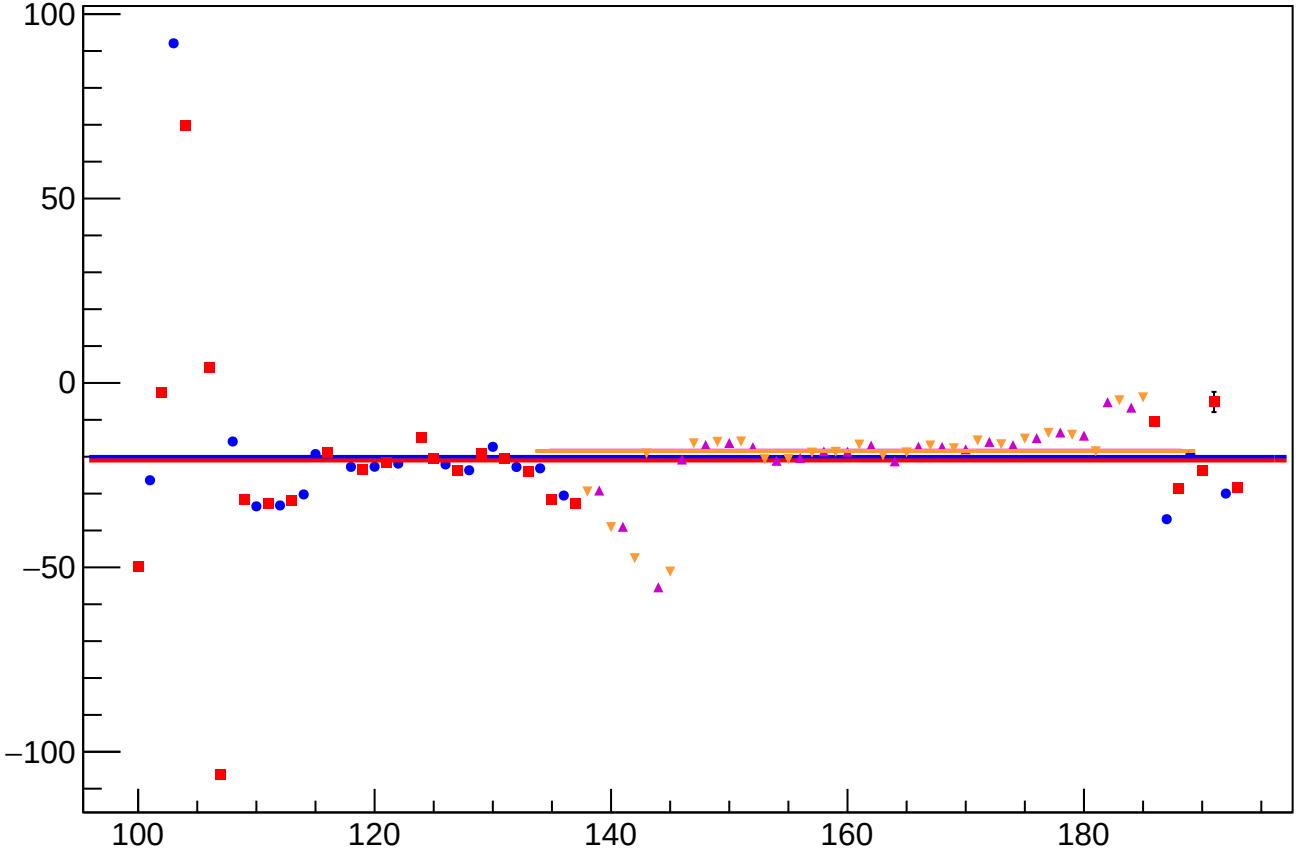
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -18.250+/-0.305 χ^2/NDF: 2171.4/43

All: -18.671+/-0.217 χ^2/NDF: 4441.8/90

- sign -19.101+/-0.309 χ^2/NDF: 2266.5/46

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: -21.020+/-0.037 χ^2/NDF: 362150.2/23

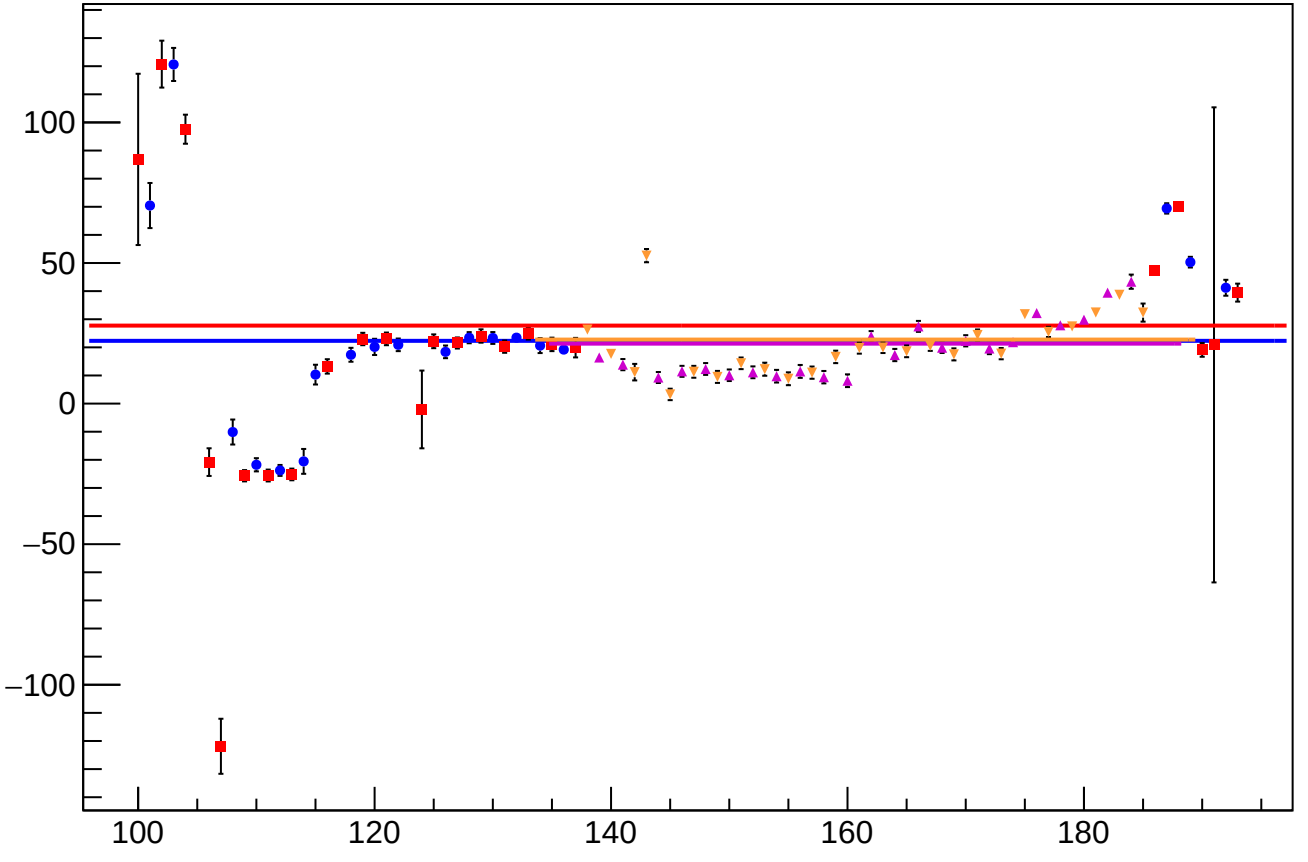
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -18.682+/-0.014 χ^2/NDF: 740220.3/43

All: -18.732+/-0.010 χ^2/NDF: 1356746.9/90

- sign -18.783+/-0.014 χ^2/NDF: 616502.2/46

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: 27.739+/-0.478 χ^2/NDF: 4535.7/23

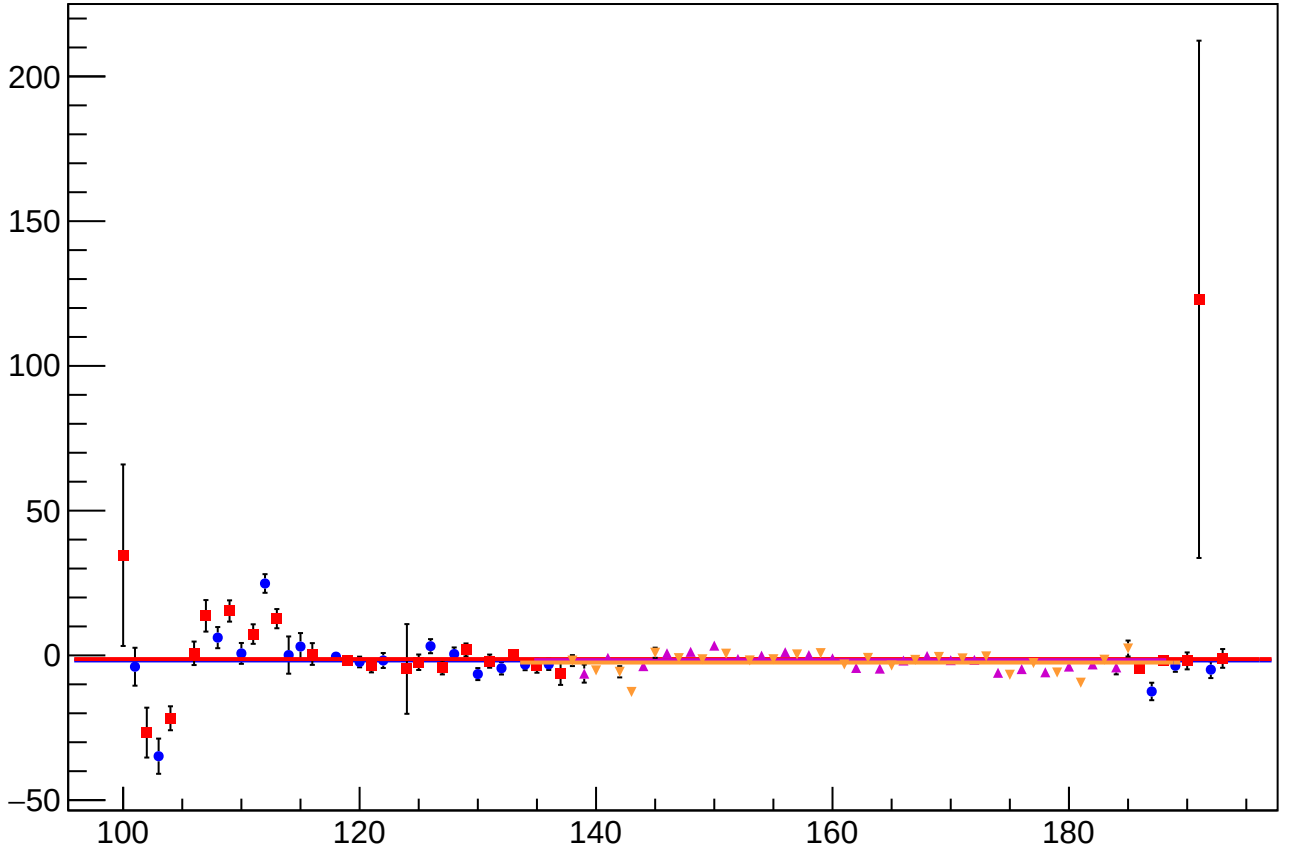
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 22.620+/-0.314 χ^2/NDF: 3039.6/43

All: 23.287+/-0.218 χ^2/NDF: 8321.6/90

- sign 23.913+/-0.303 χ^2/NDF: 5273.2/46

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: -1.276+/-0.533 χ^2/NDF: 101.3/23

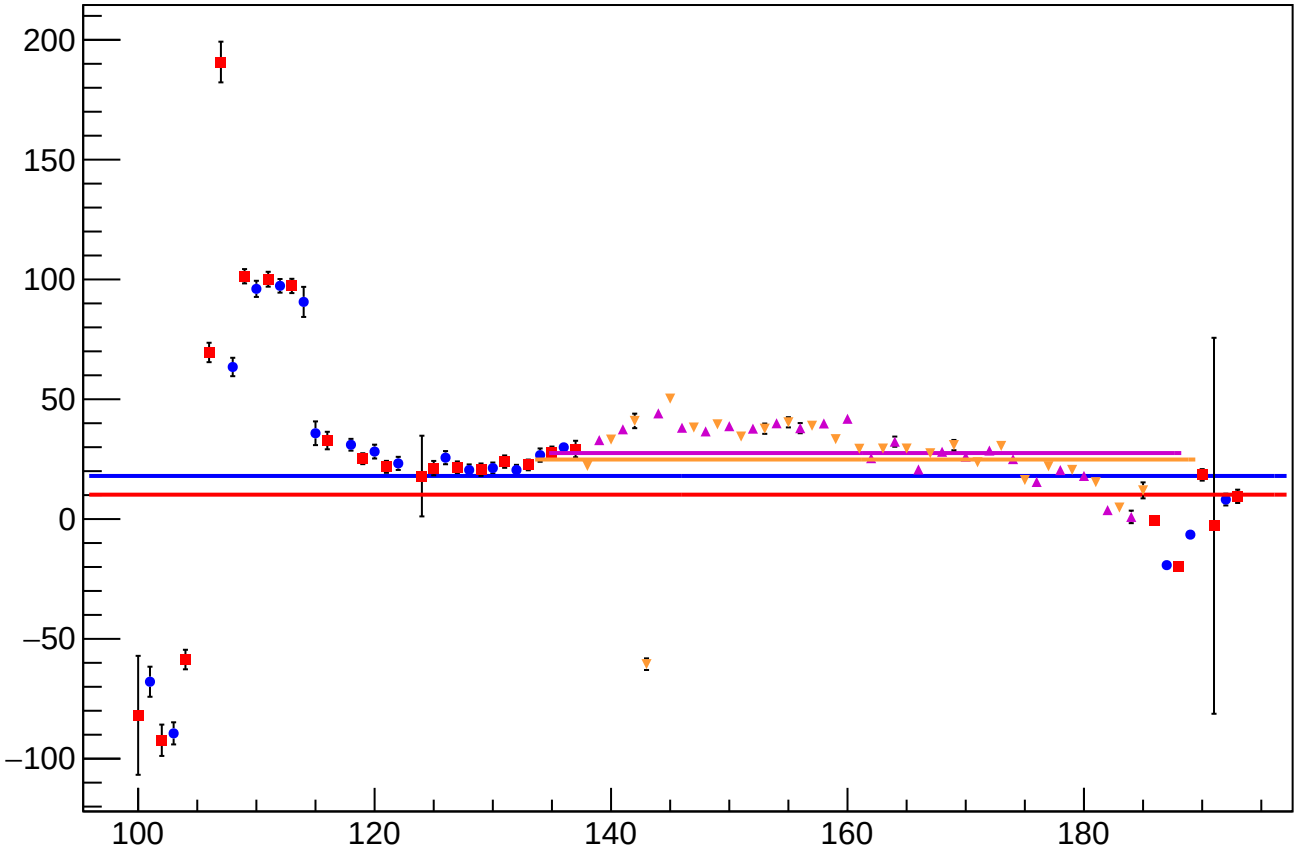
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.318+/-0.261 χ^2/NDF: 250.4/43

All: -1.946+/-0.186 χ^2/NDF: 426.4/90

- sign -1.565+/-0.264 χ^2/NDF: 171.9/46

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: 10.185+/-0.470 χ^2/NDF: 5456.1/23

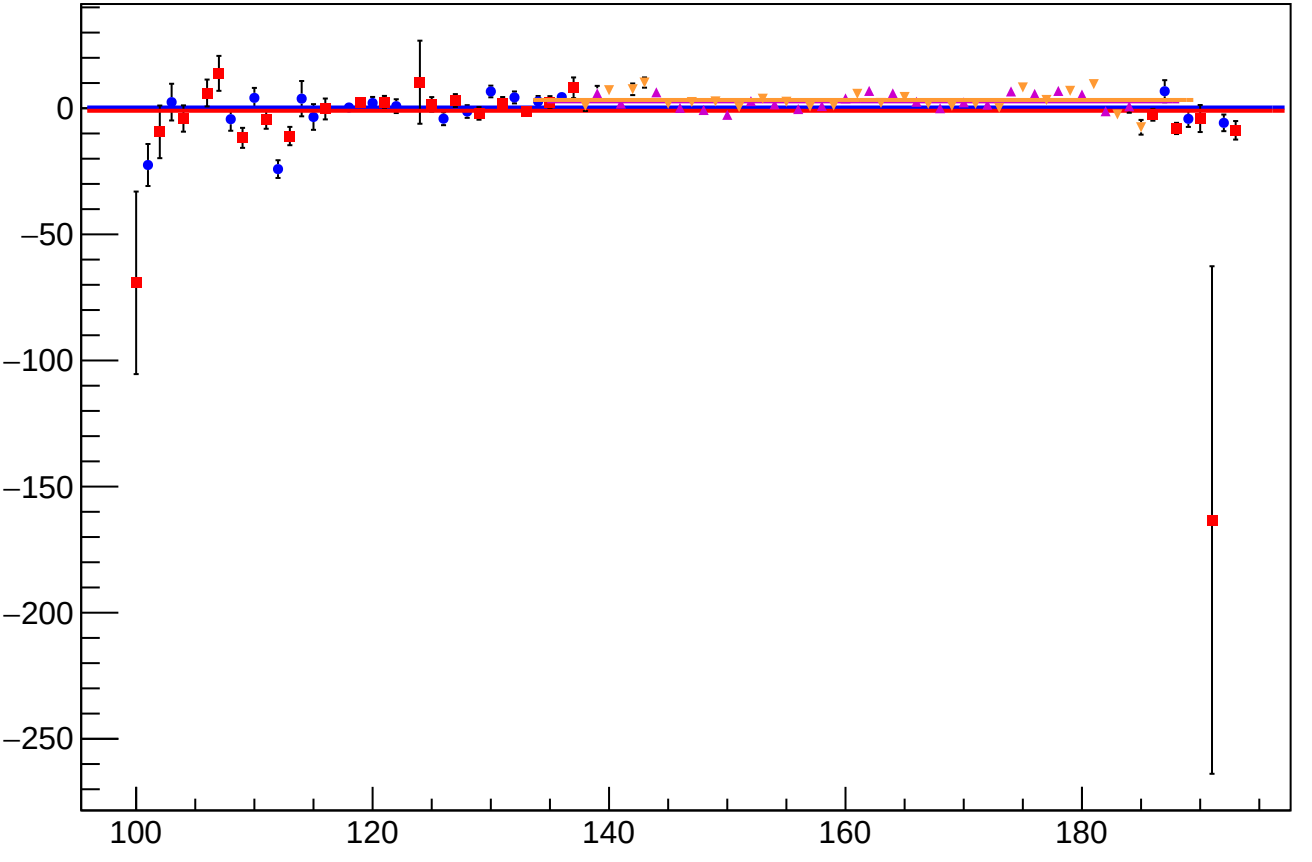
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 22.770+/-0.317 χ^2/NDF: 5443.7/43

All: 21.567+/-0.218 χ^2/NDF: 12619.5/90

- sign 20.492+/-0.300 χ^2/NDF: 7148.6/46

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: -0.994+/-0.647 χ^2/NDF: 61.3/23

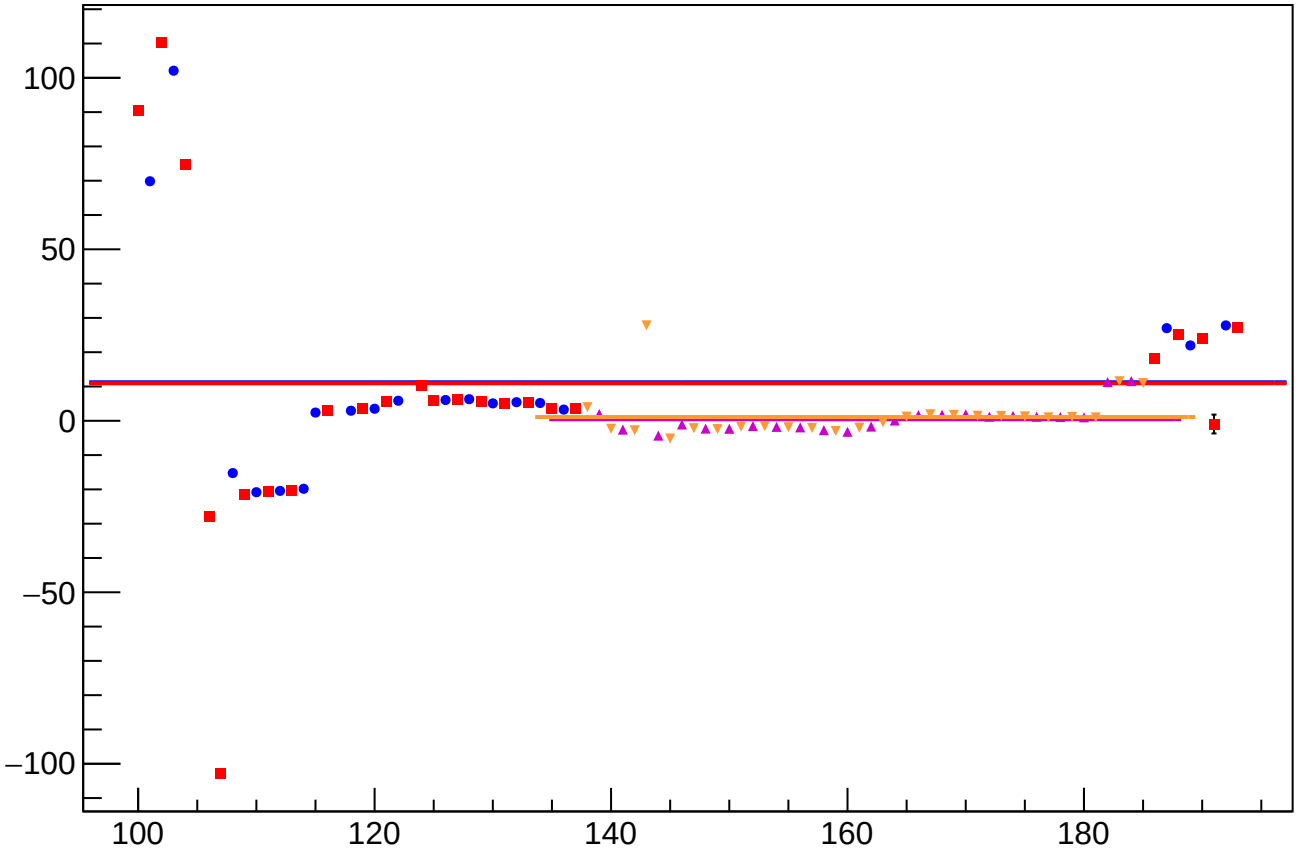
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.695+/-0.297 χ^2/NDF: 208.6/43

All: 2.312+/-0.212 χ^2/NDF: 373.7/90

- sign 1.915+/-0.302 χ^2/NDF: 161.7/46

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: 10.935+/-0.038 χ^2/NDF: 500928.5/23

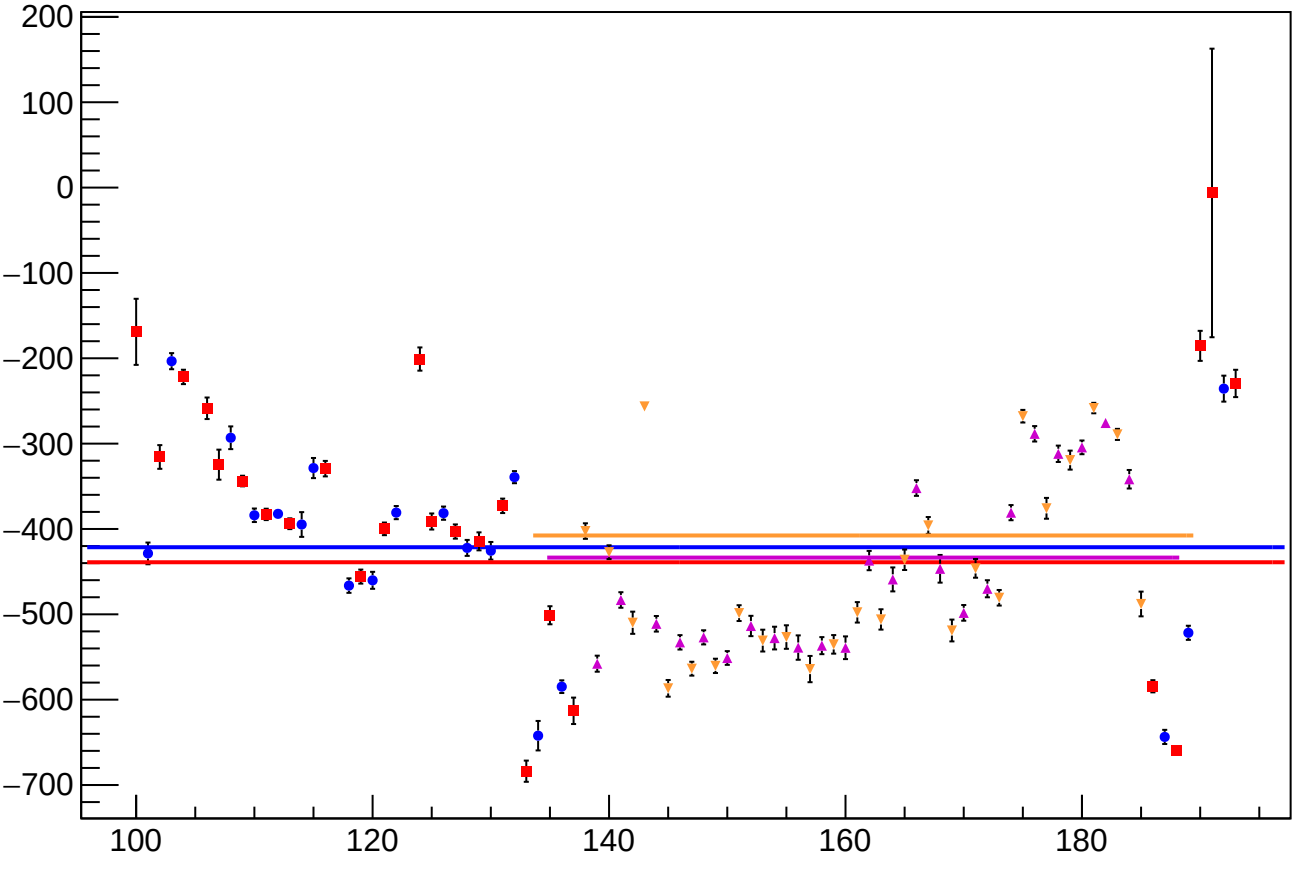
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 2.463+/-0.014 χ^2/NDF: 559294.2/43

All: 2.175+/-0.010 χ^2/NDF: 1180741.0/90

- sign 1.879+/-0.014 χ^2/NDF: 620564.4/46

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: -438.992+/-1.825 χ^2/NDF: 5865.7/23

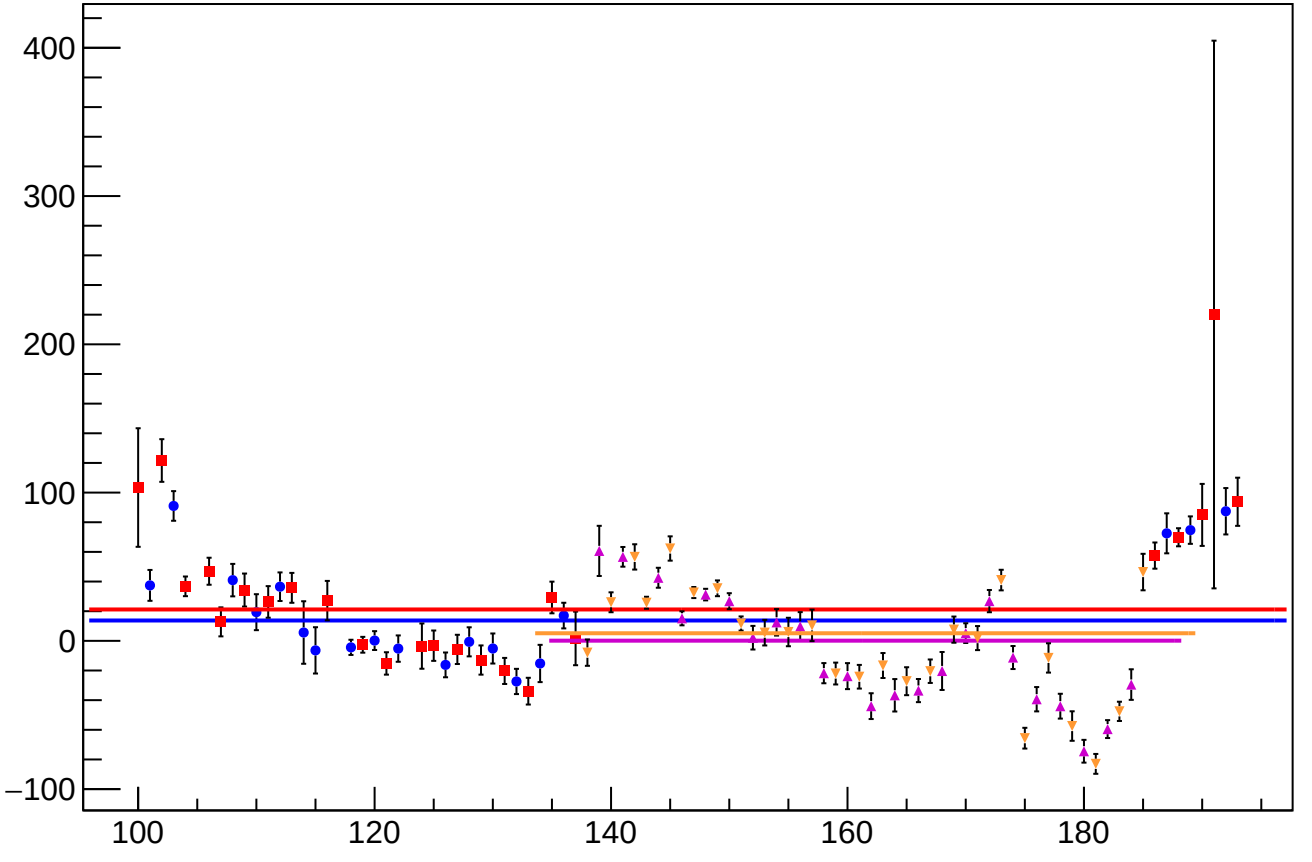
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -413.800+/-1.387 χ^2/NDF: 6681.1/43

All: -425.488+/-0.966 χ^2/NDF: 15413.4/90

- sign -436.500+/-1.346 χ^2/NDF: 8594.4/46

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: 21.171+/-1.988 χ^2/NDF: 314.6/23

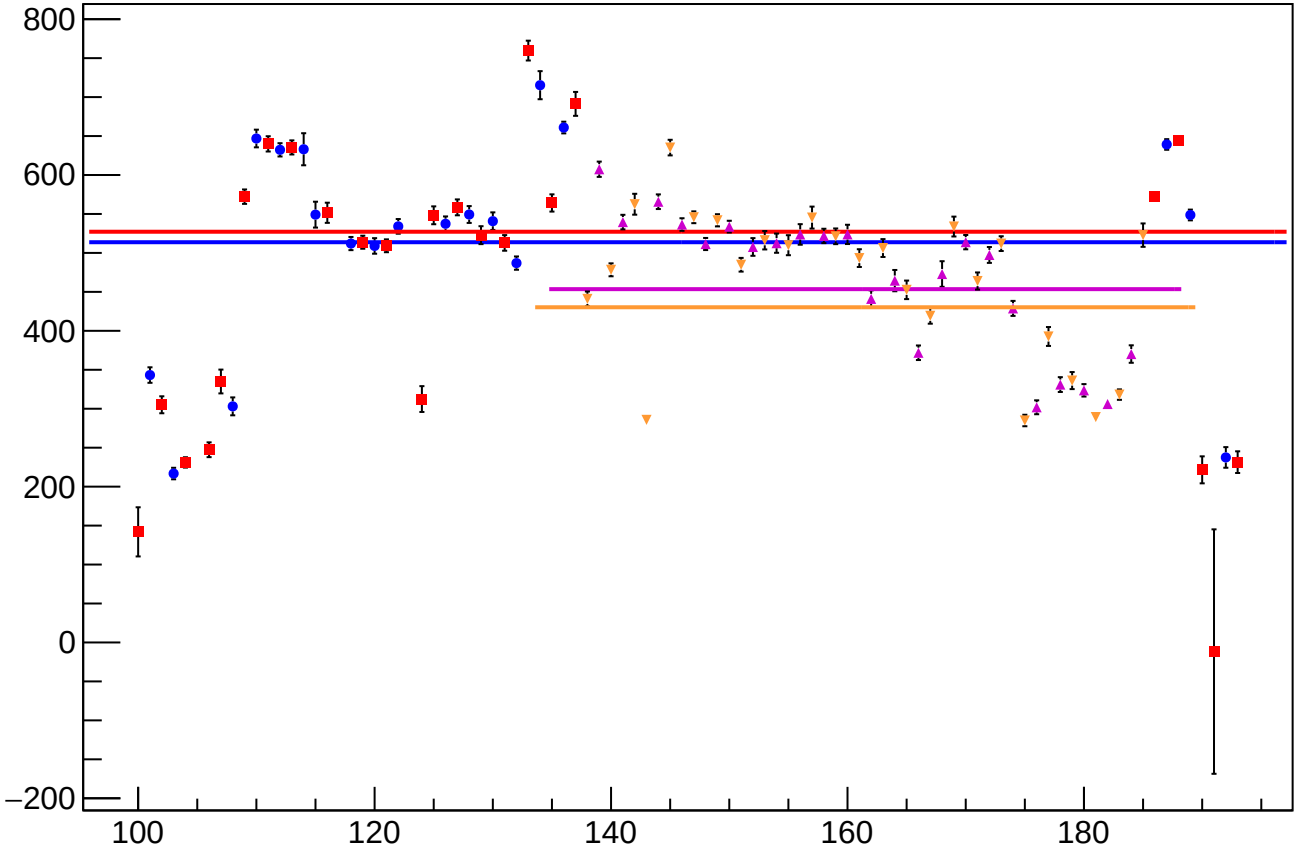
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 7.633+/-1.161 χ^2/NDF: 932.6/43

All: 7.660+/-0.832 χ^2/NDF: 1887.5/90

- sign 7.689+/-1.192 χ^2/NDF: 954.9/46

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: 527.194+/-1.846 χ^2/NDF: 6474.8/23

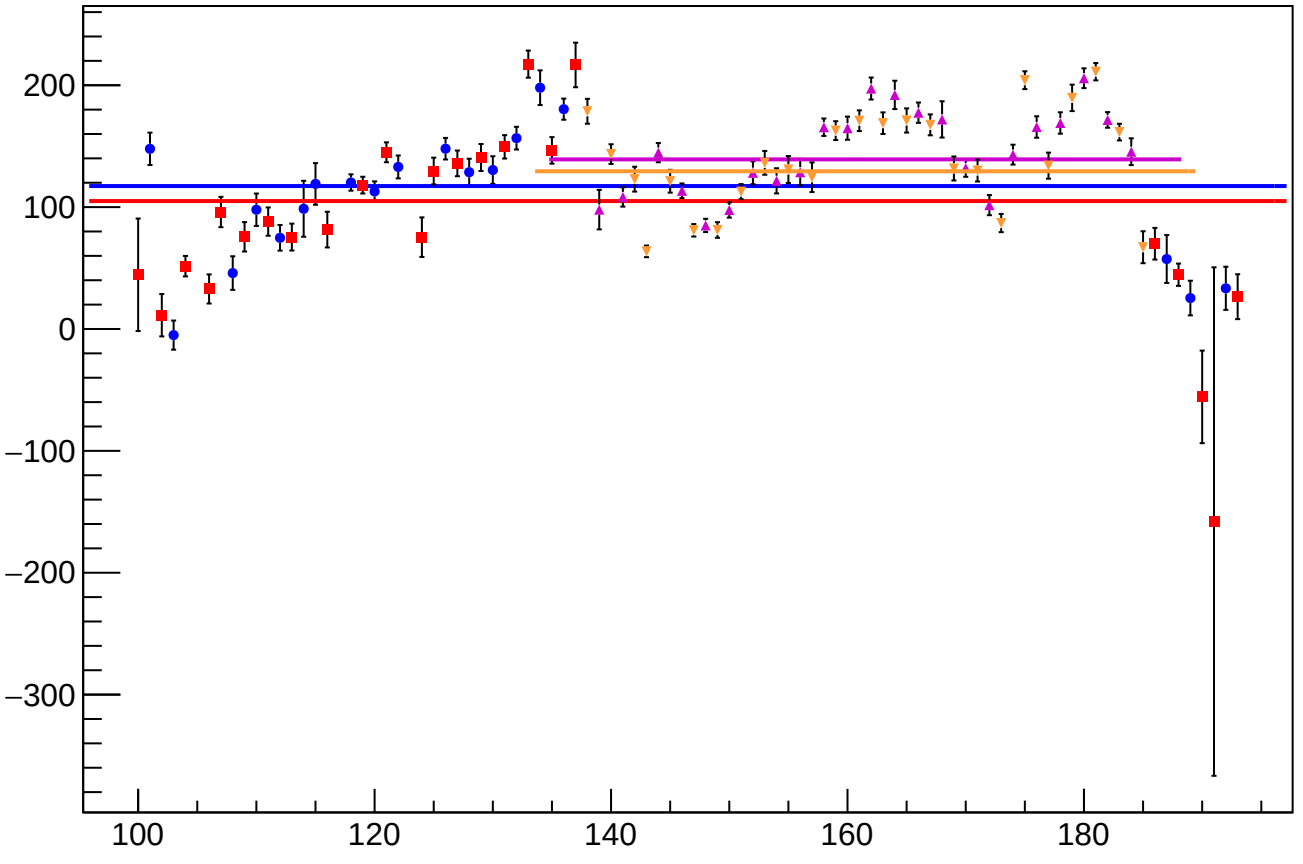
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 465.299+/-1.417 χ^2/NDF: 8206.1/43

All: 479.737+/-0.977 χ^2/NDF: 18041.8/90

- sign 492.803+/-1.348 χ^2/NDF: 9638.0/46

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: 104.966+/-2.384 χ^2/NDF: 444.8/23

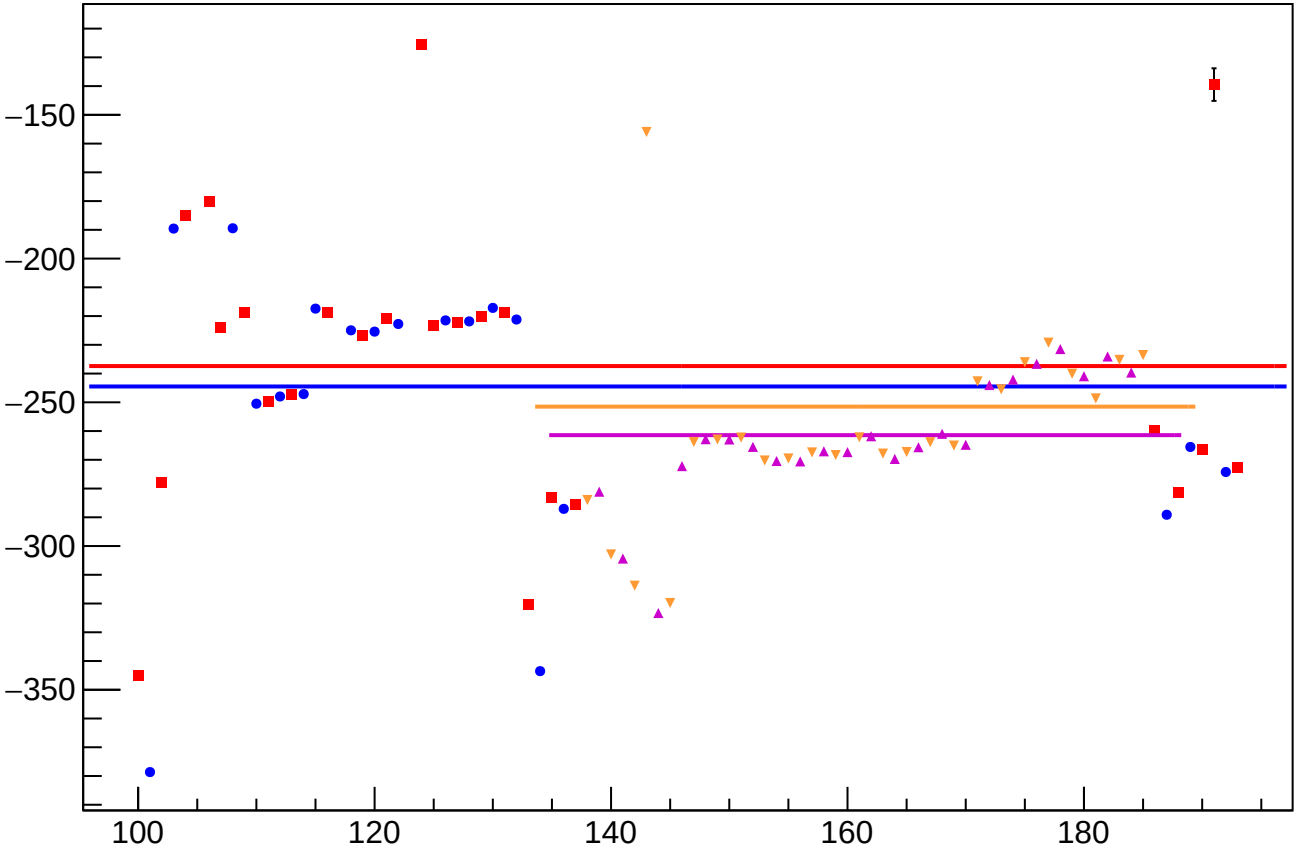
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 125.983+/-1.349 χ^2/NDF: 1181.0/43

All: 126.766+/-0.967 χ^2/NDF: 2196.7/90

- sign 127.594+/-1.387 χ^2/NDF: 1015.1/46

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: -237.394+/-0.134 χ^2/NDF: 99215.7/23

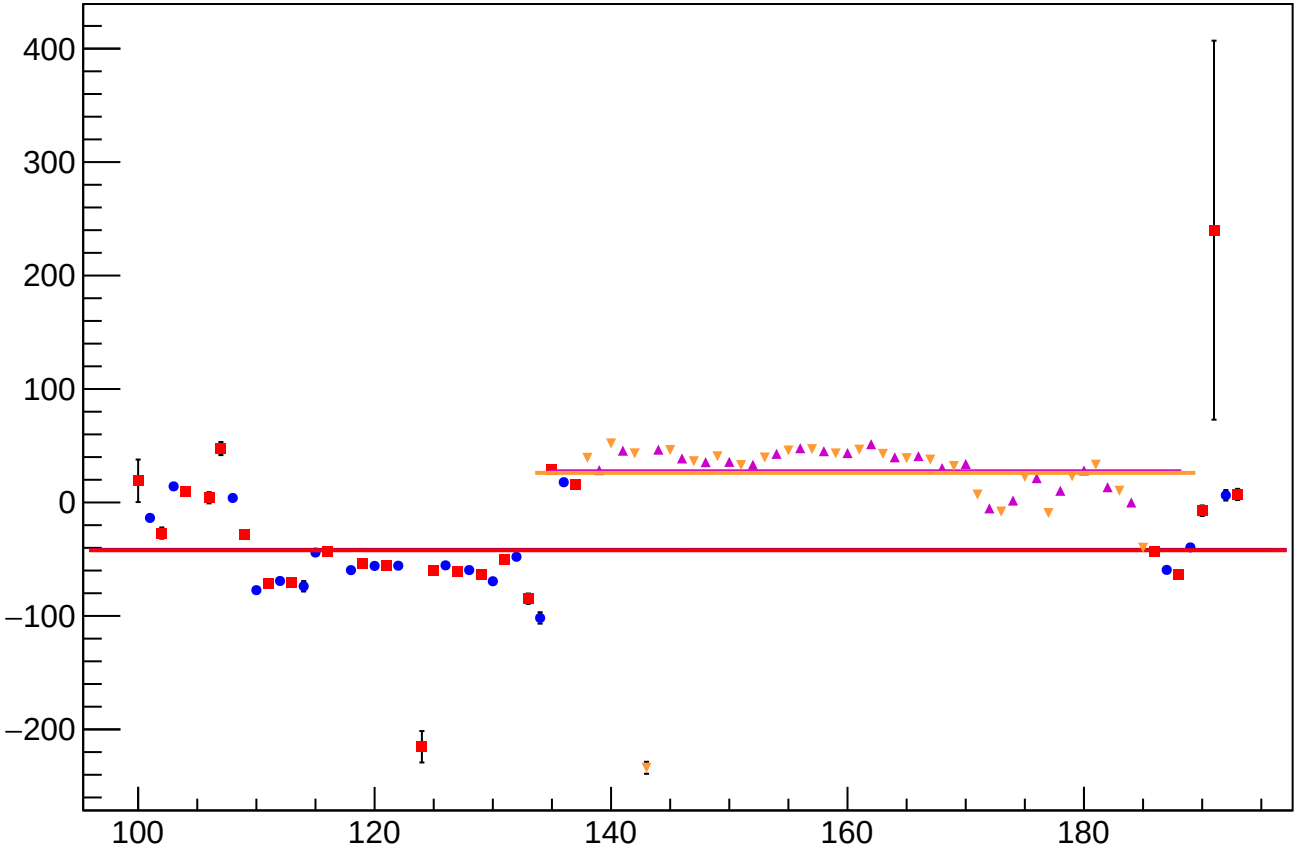
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -249.973+/-0.066 χ^2/NDF: 397238.0/43

All: -252.608+/-0.047 χ^2/NDF: 593323.1/90

- sign -255.356+/-0.067 χ^2/NDF: 192820.4/46

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: -42.099+/-0.572 χ^2/NDF: 2857.8/23

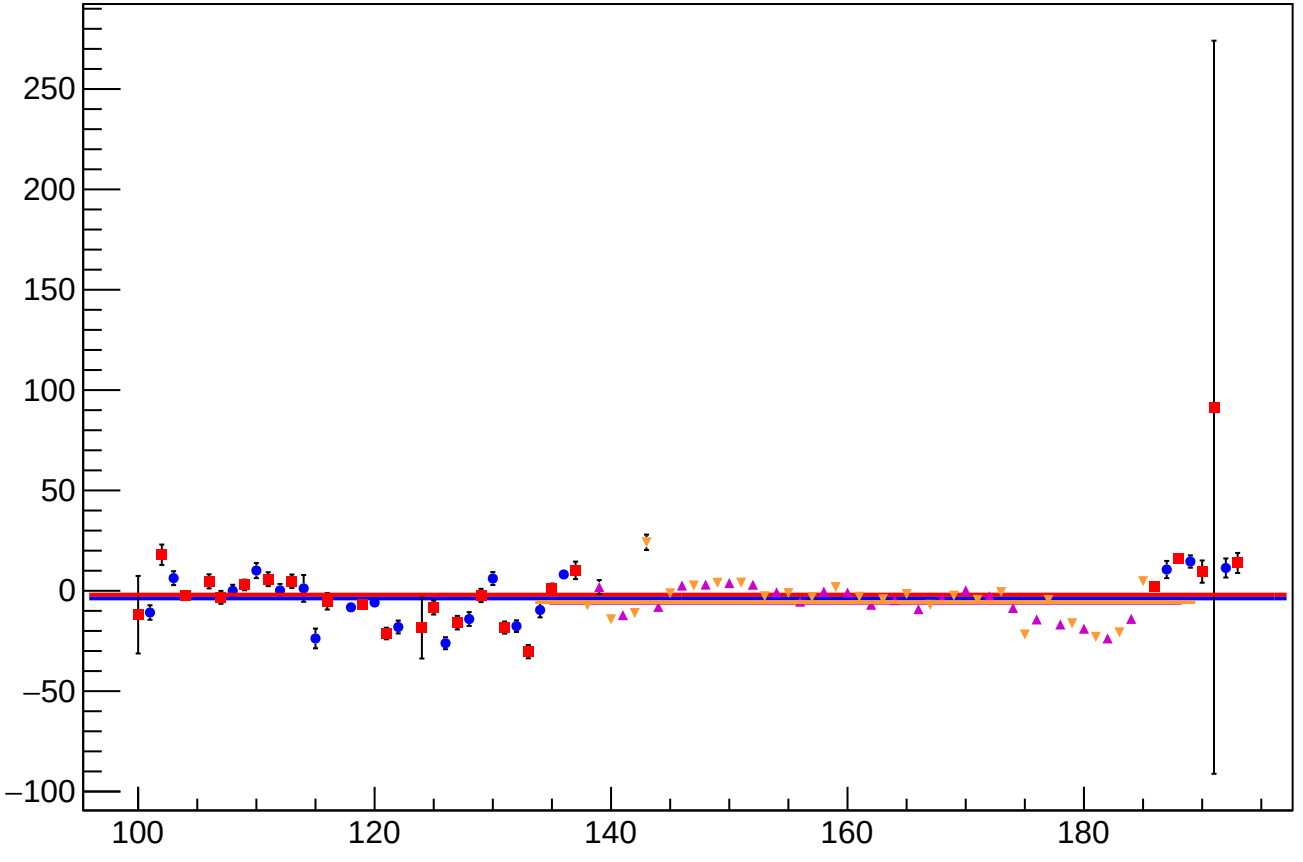
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 8.886+/-0.337 χ^2/NDF: 15033.1/43

All: 6.842+/-0.234 χ^2/NDF: 29577.6/90

- sign 4.933+/-0.325 χ^2/NDF: 14473.2/46

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: -1.921+/-0.651 χ^2/NDF: 308.1/23

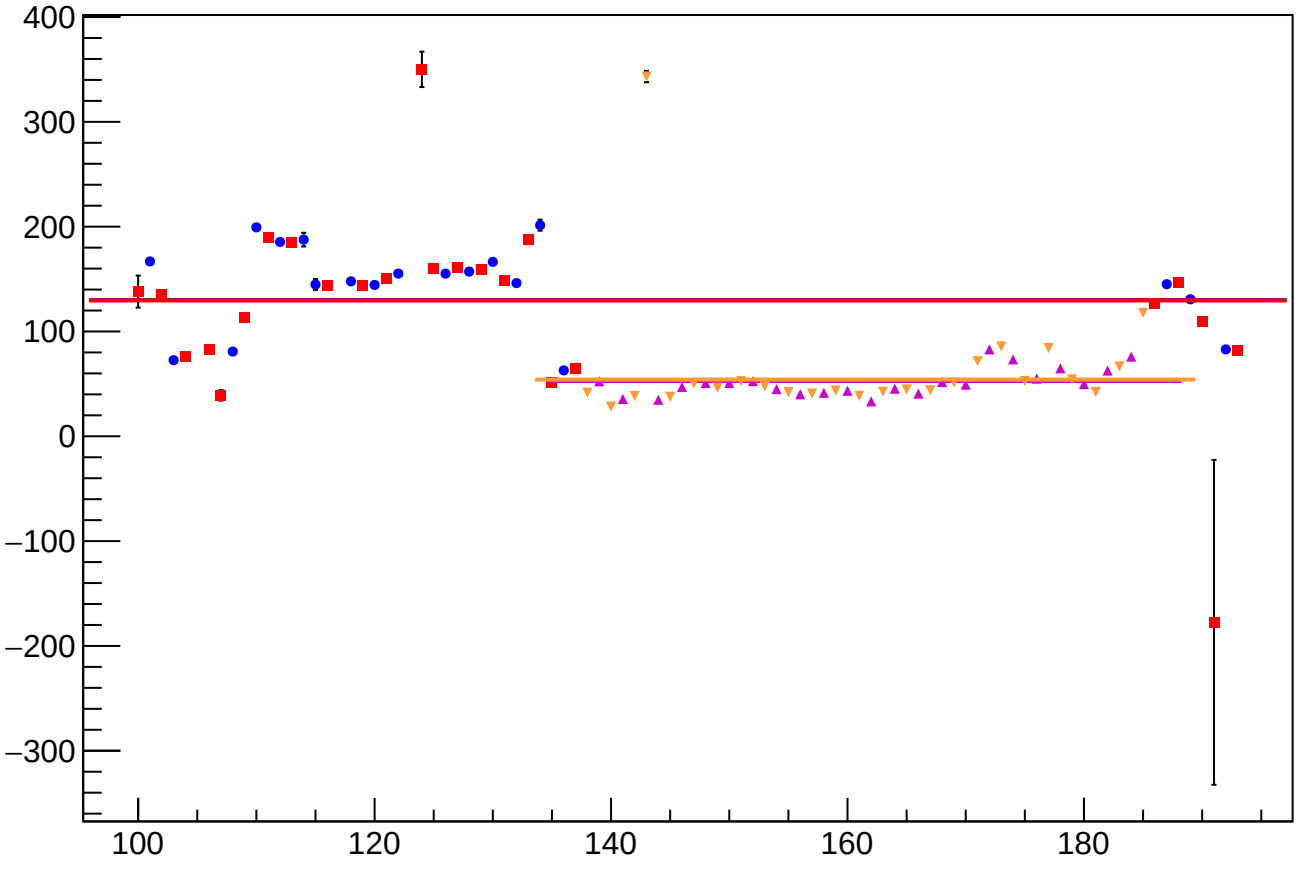
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -5.343+/-0.278 χ^2/NDF: 1159.6/43

All: -5.272+/-0.197 χ^2/NDF: 2211.2/90

- sign -5.201+/-0.279 χ^2/NDF: 1051.5/46

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: 129.651+/-0.582 χ^2/NDF: 3886.3/23

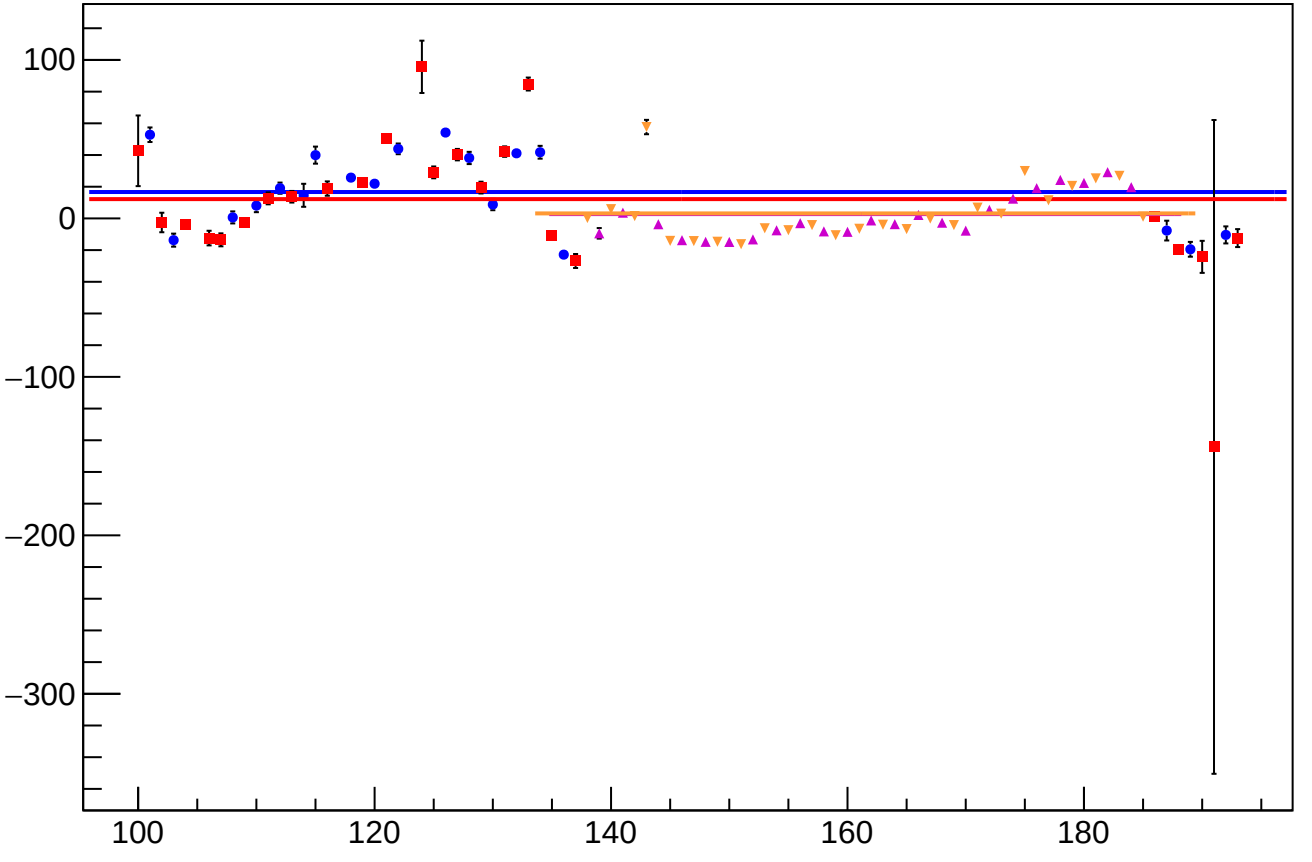
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 71.741+/-0.339 χ^2/NDF: 17307.9/43

All: 74.394+/-0.235 χ^2/NDF: 34275.3/90

- sign 76.834+/-0.325 χ^2/NDF: 16850.1/46

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: 12.175+/-0.779 χ^2/NDF: 1113.4/23

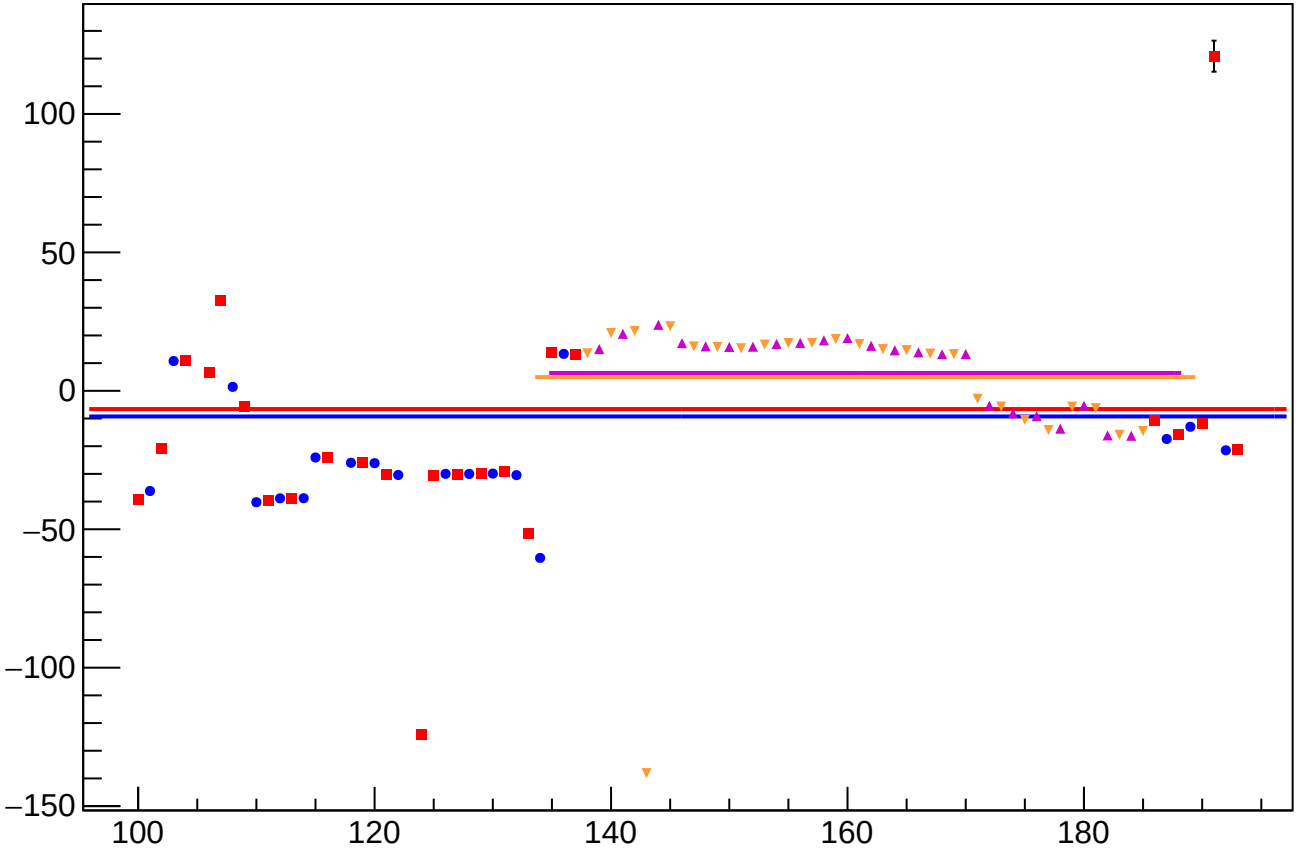
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 5.102+/-0.314 χ^2/NDF: 3206.1/43

All: 4.697+/-0.223 χ^2/NDF: 6180.9/90

- sign 4.286+/-0.317 χ^2/NDF: 2971.5/46

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: -6.582+/-0.042 χ^2/NDF: 241808.1/23

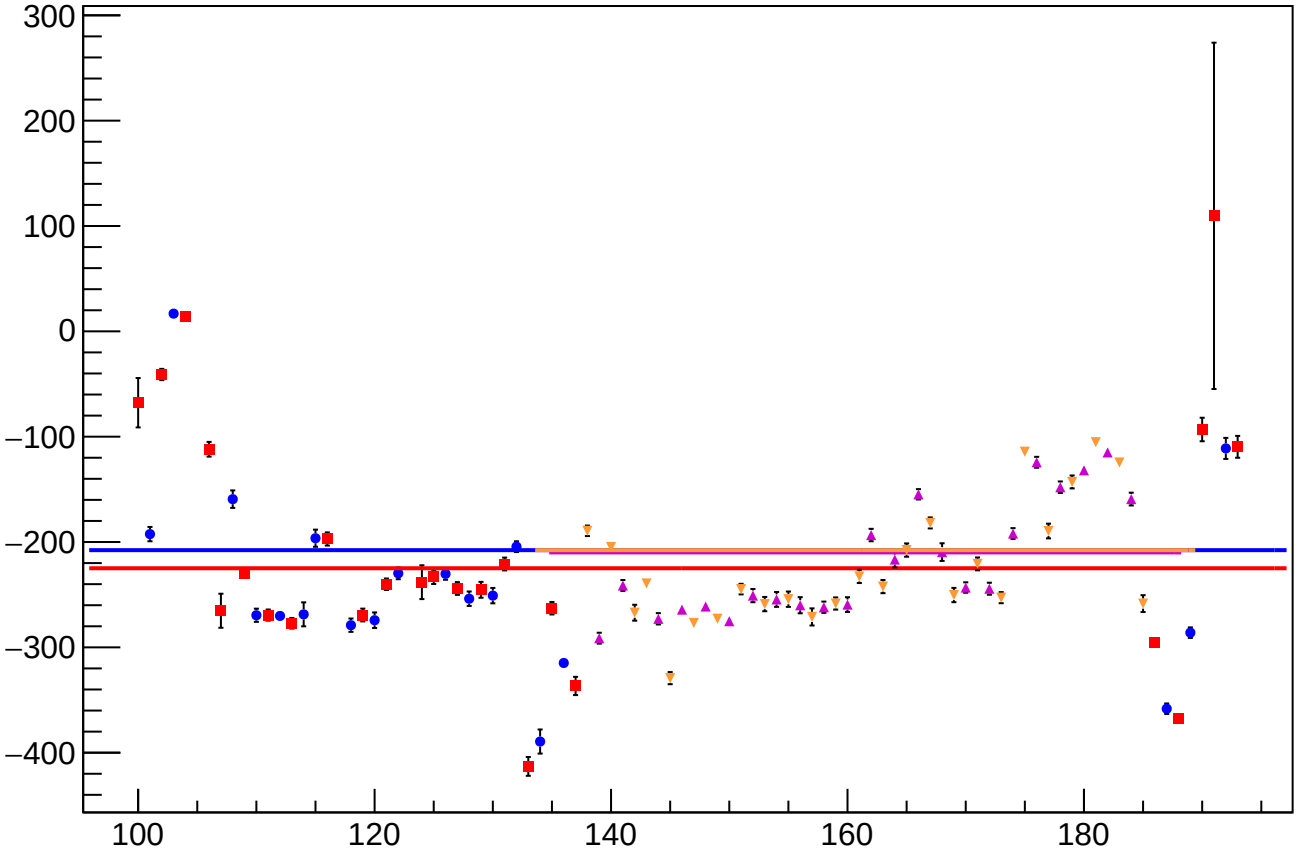
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 3.359+/-0.014 χ^2/NDF: 1508488.3/43

All: 4.139+/-0.010 χ^2/NDF: 2569917.9/90

- sign 4.928+/-0.014 χ^2/NDF: 1055476.3/46

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: -224.906+/-1.152 χ^2/NDF: 11850.5/23

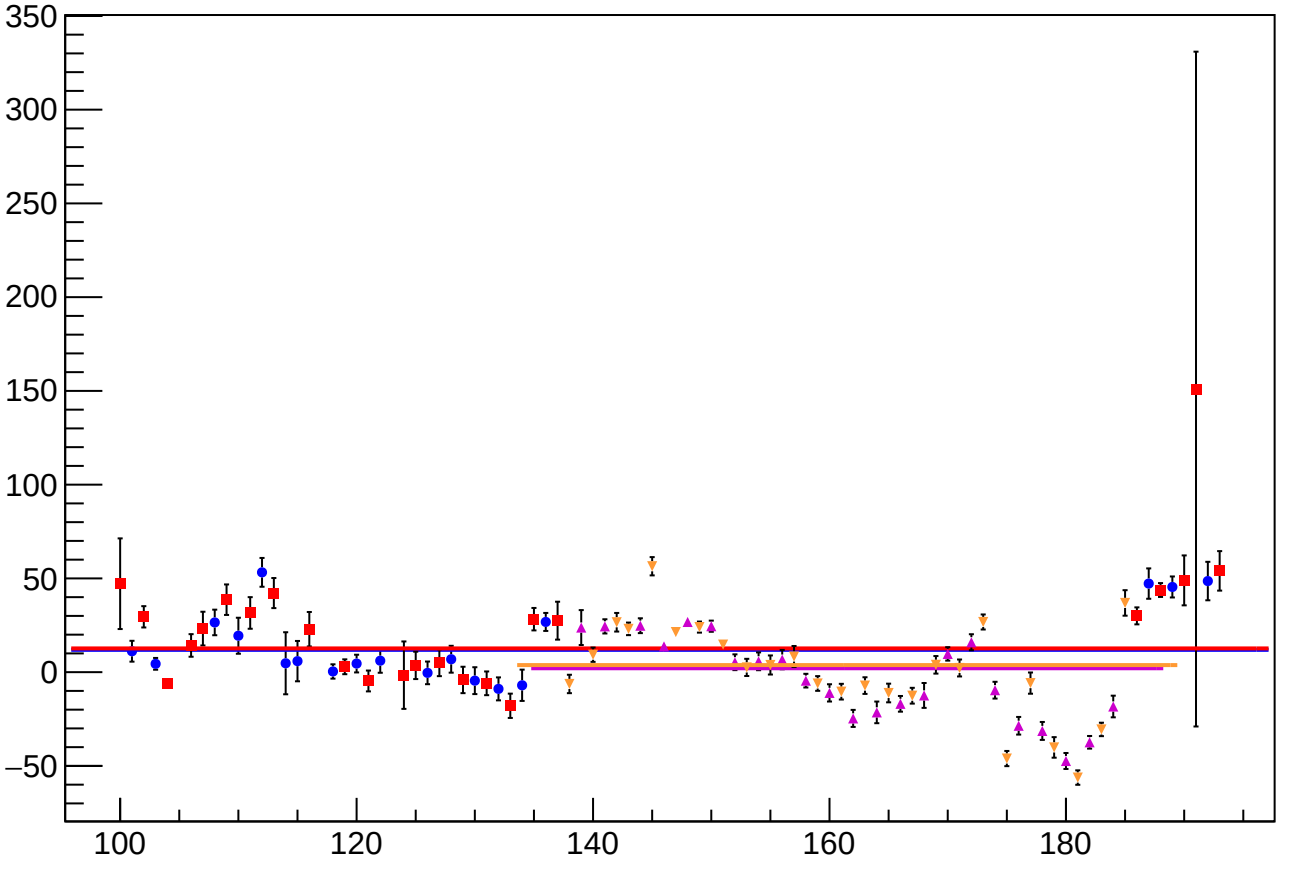
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -207.735+/-0.827 χ^2/NDF: 12094.0/43

All: -212.572+/-0.574 χ^2/NDF: 27111.2/90

- sign -217.051+/-0.796 χ^2/NDF: 14951.3/46

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: 12.660+/-1.212 χ^2/NDF: 276.5/23

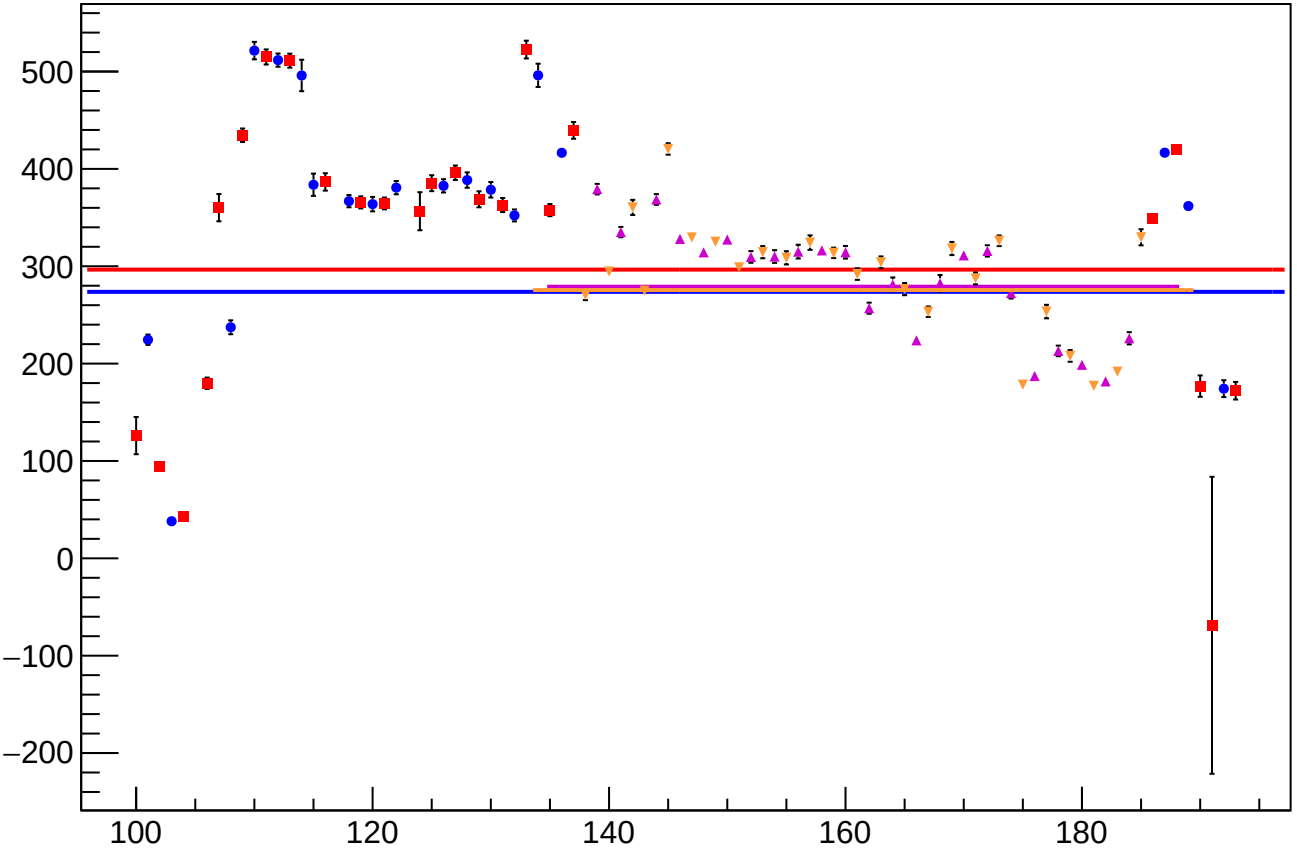
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

\+ sign 5.810+/-0.681 χ^2/NDF: 1155.4/43

All: 5.606+/-0.481 χ^2/NDF: 2254.5/90

\- sign 5.403+/-0.679 χ^2/NDF: 1099.0/46

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: 296.539+/-1.080 χ^2/NDF: 21371.8/23

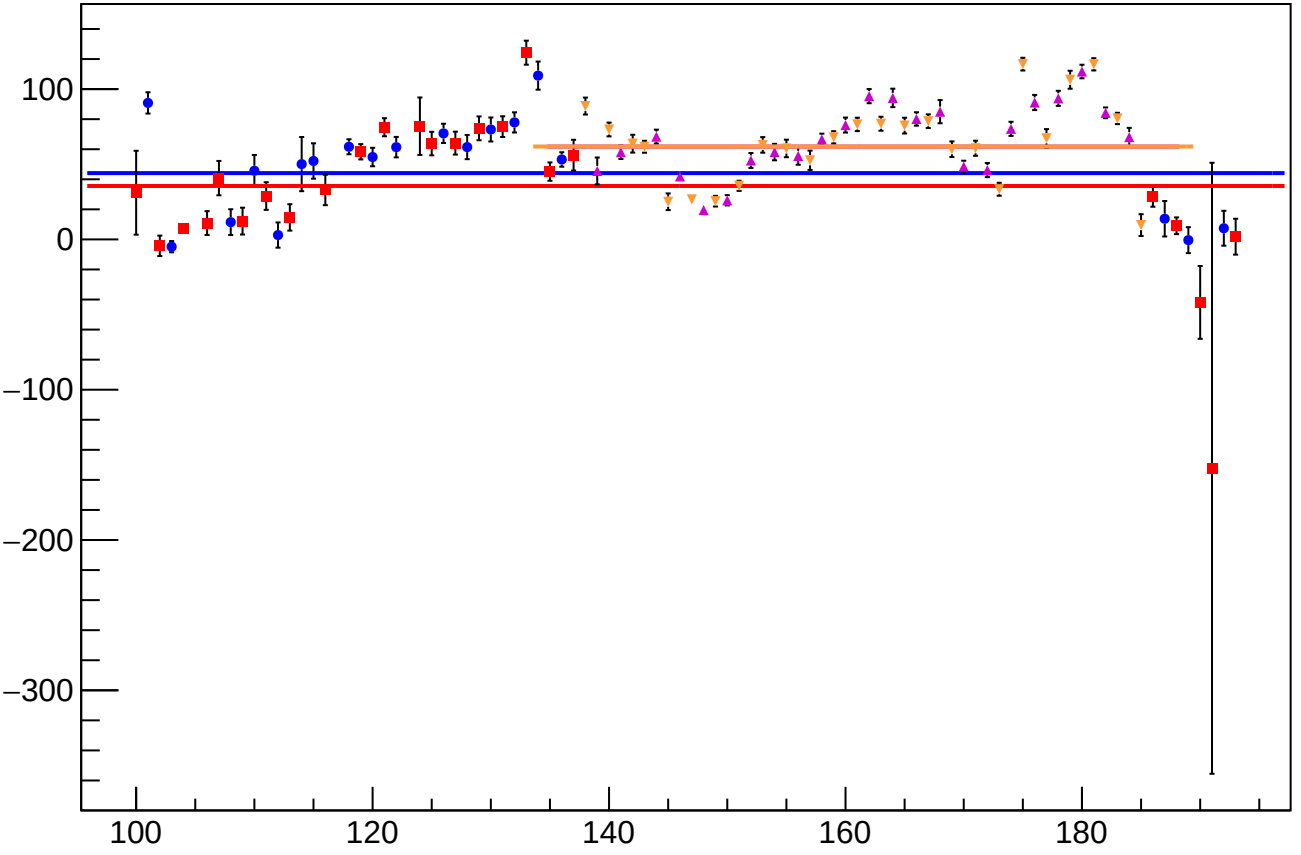
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 274.782+/-0.813 χ^2/NDF: 20723.7/43

All: 281.696+/-0.558 χ^2/NDF: 45477.6/90

- sign 287.839+/-0.767 χ^2/NDF: 24617.4/46

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: 35.563+/-1.480 χ^2/NDF: 464.3/23

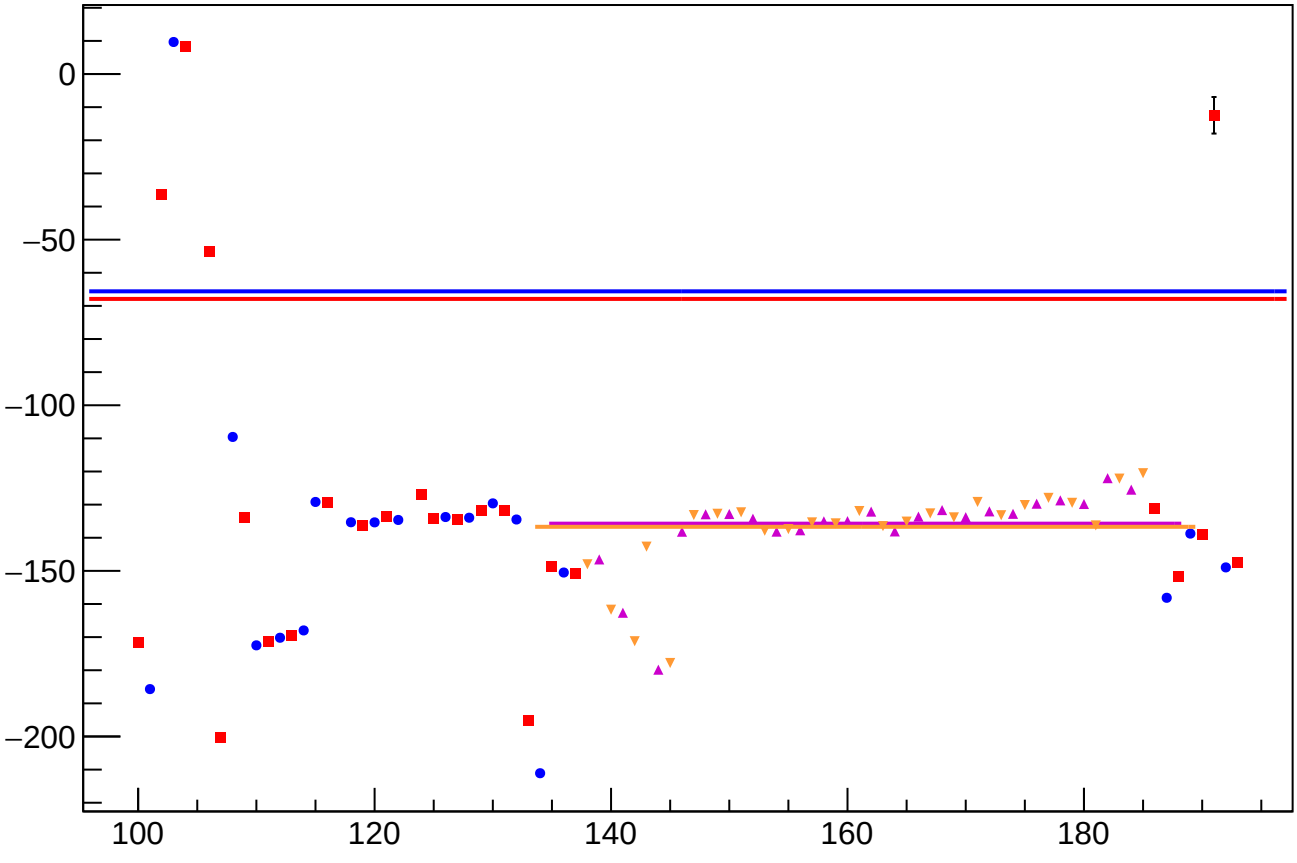
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 57.533+/-0.790 χ^2/NDF: 1483.5/43

All: 55.897+/-0.560 χ^2/NDF: 2915.8/90

- sign 54.251+/-0.793 χ^2/NDF: 1423.7/46

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: -67.895+/-0.070 χ^2/NDF: 1039613.0/23

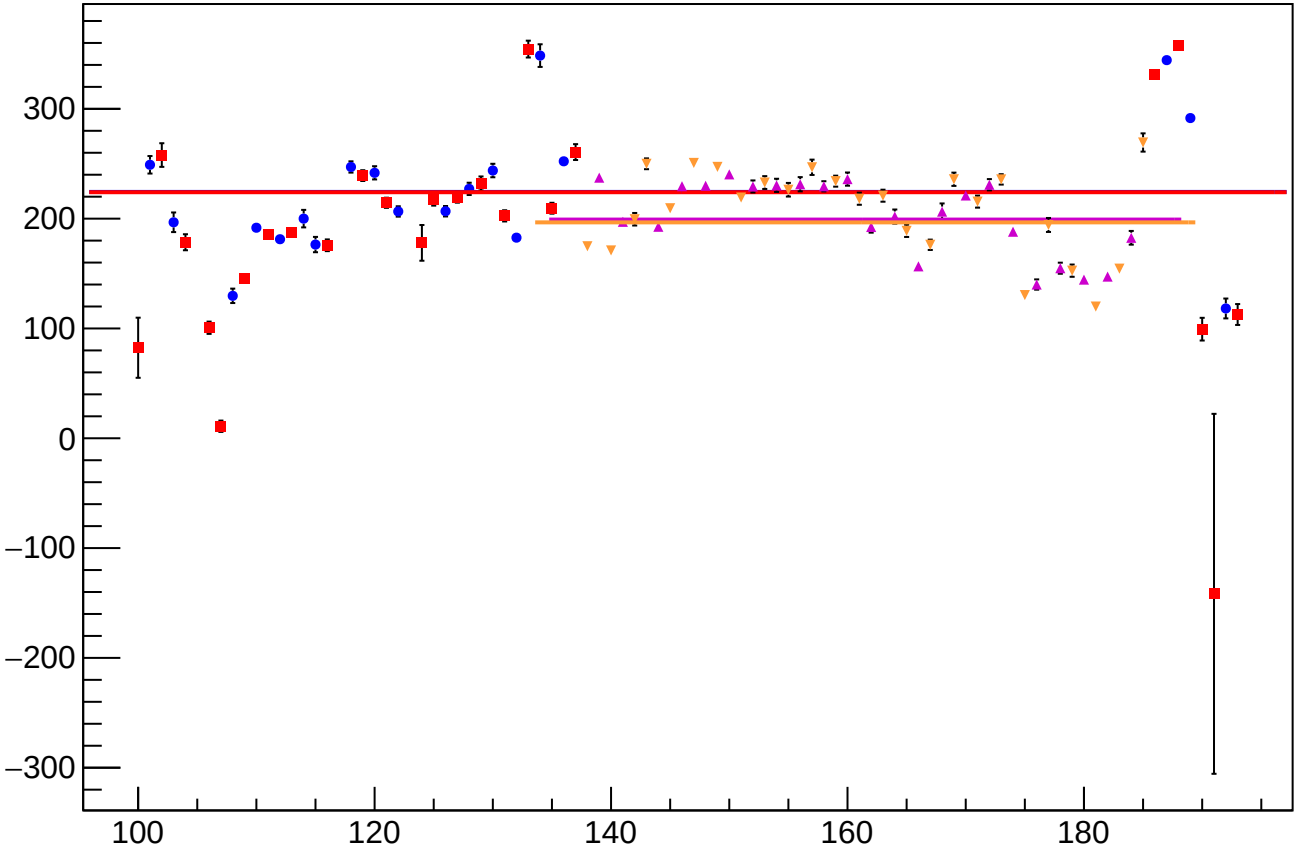
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -117.632+/-0.036 χ^2/NDF: 2176430.3/43

All: -117.409+/-0.026 χ^2/NDF: 3967234.5/90

- sign -117.182+/-0.036 χ^2/NDF: 1790727.5/46

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: 224.075+/-1.020 χ^2/NDF: 7750.3/23

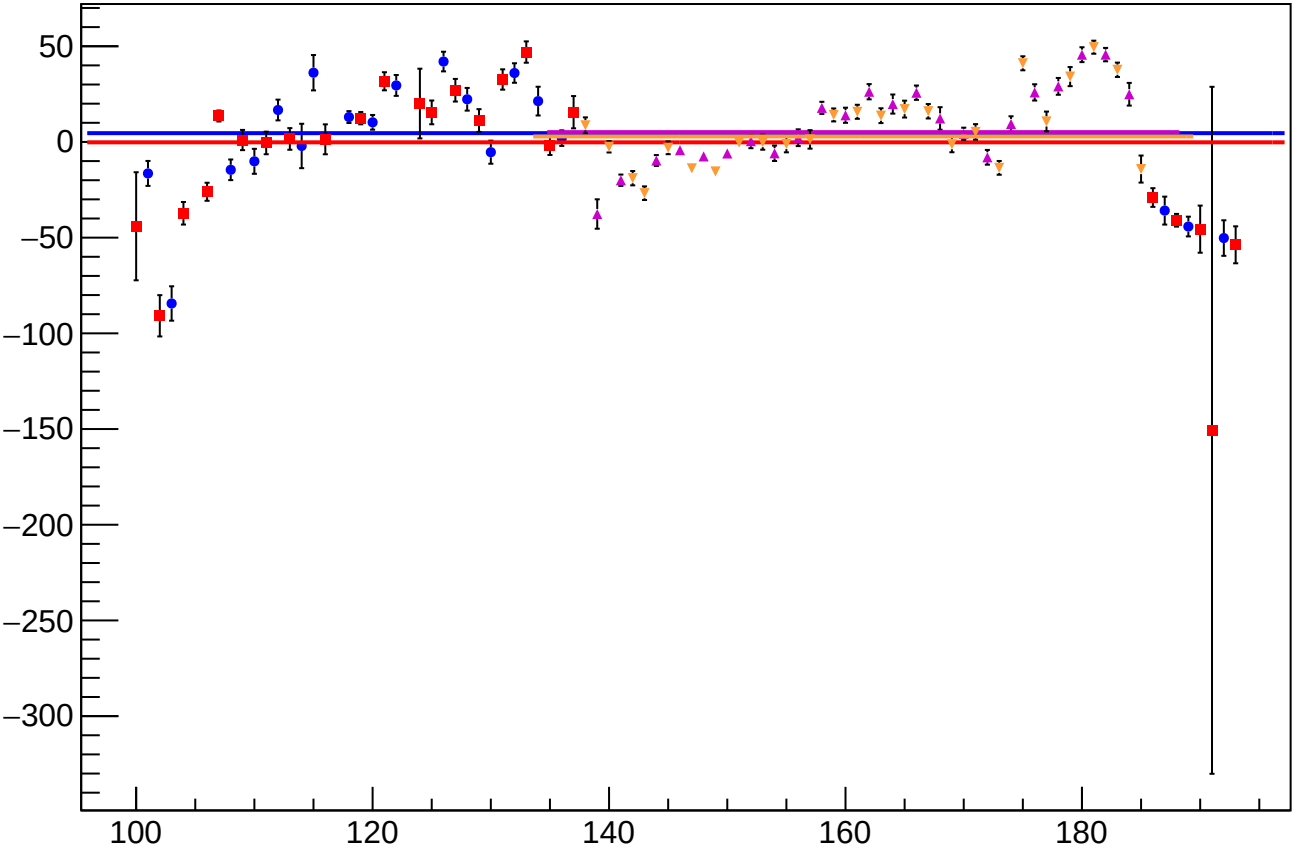
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

\+ sign 207.344+/-0.741 χ^2/NDF: 4358.0/43

All: 209.276+/-0.510 χ^2/NDF: 13728.4/90

\- sign 211.020+/-0.704 χ^2/NDF: 9357.5/46

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: -0.199+/-1.106 χ^2/NDF: 603.0/23

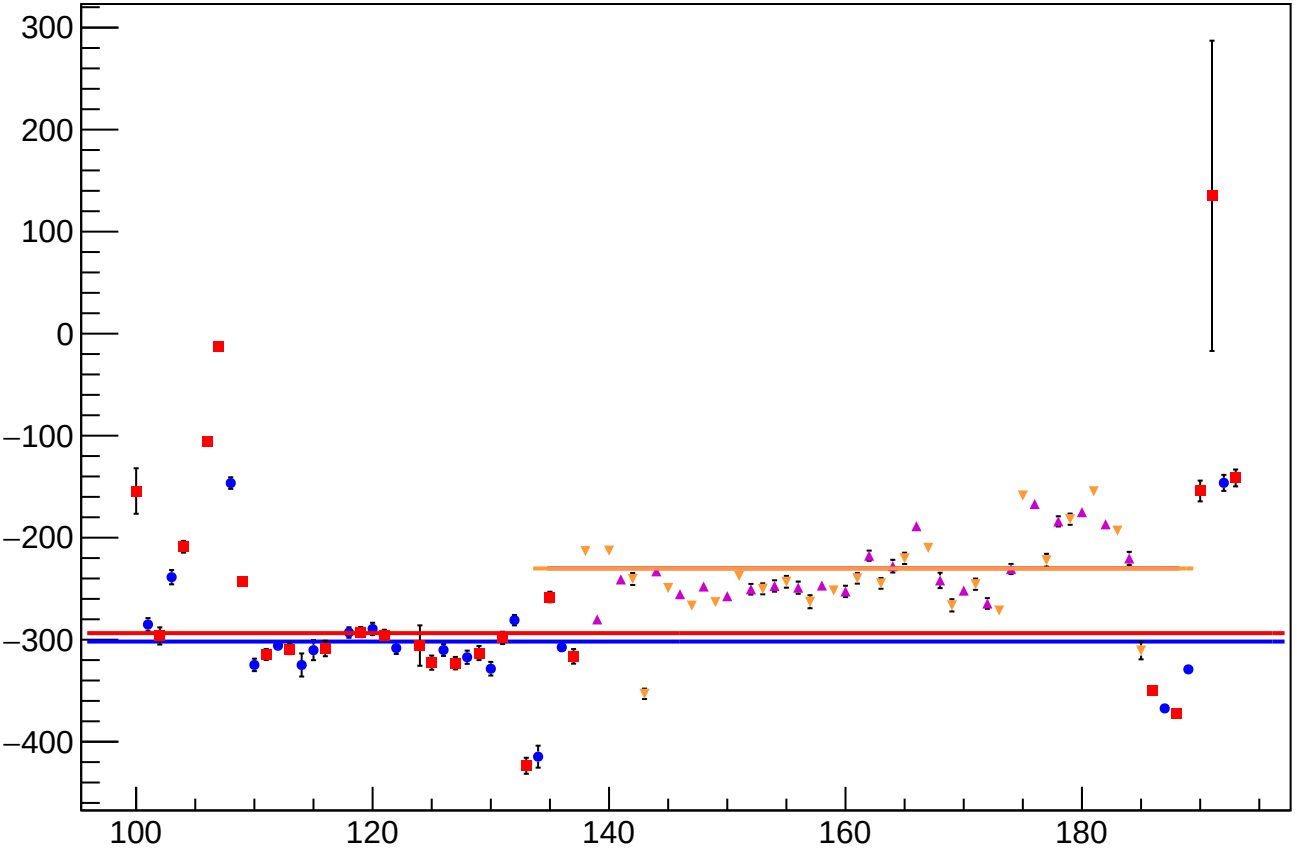
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 3.271+/-0.607 χ^2/NDF: 1191.0/43

All: 3.411+/-0.428 χ^2/NDF: 2439.1/90

- sign 3.548+/-0.602 χ^2/NDF: 1247.9/46

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: -293.556+/-1.037 χ^2/NDF: 8963.1/23

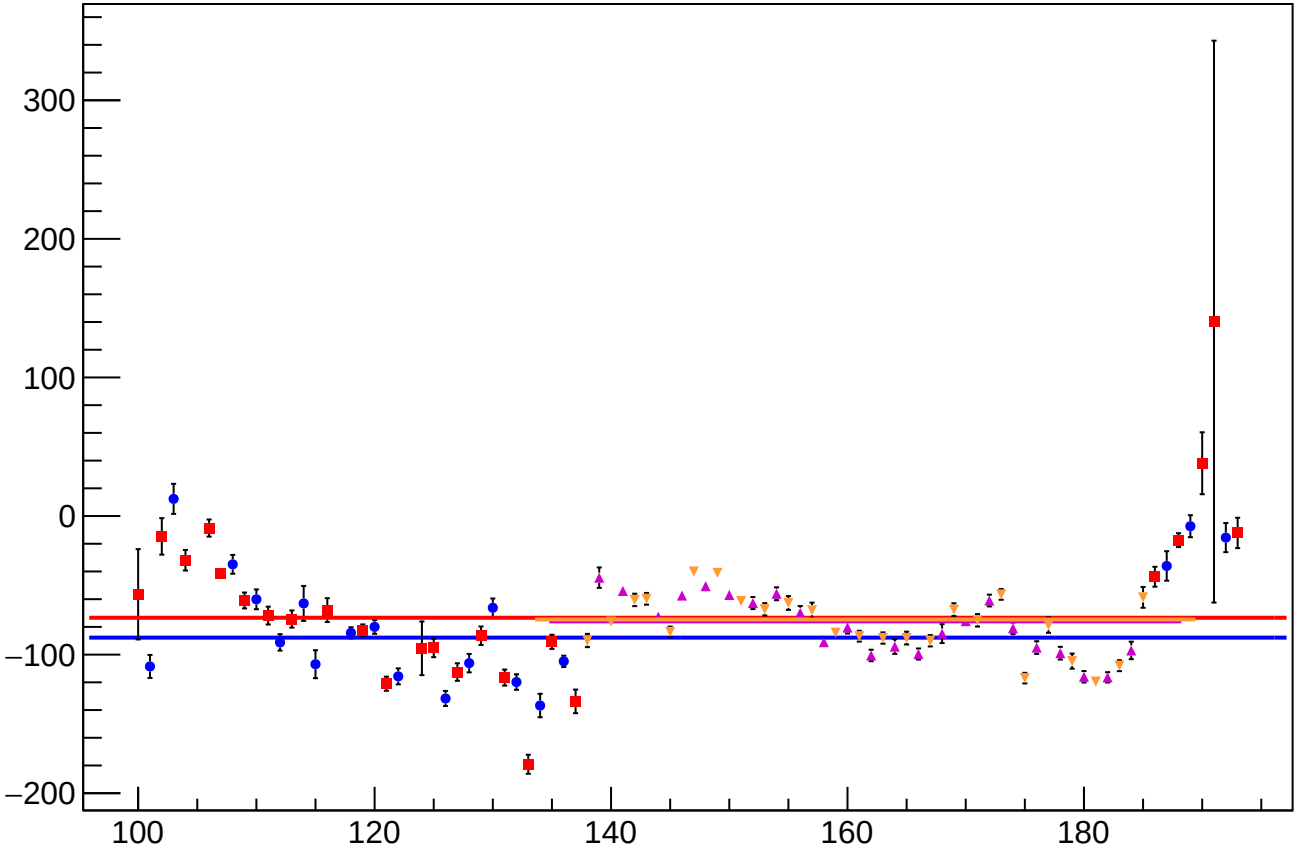
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -255.579+/-0.754 χ^2/NDF: 6024.2/43

All: -257.611+/-0.515 χ^2/NDF: 18112.6/90

- sign -259.385+/-0.705 χ^2/NDF: 12074.8/46

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: -73.390+/-1.333 χ^2/NDF: 940.6/23

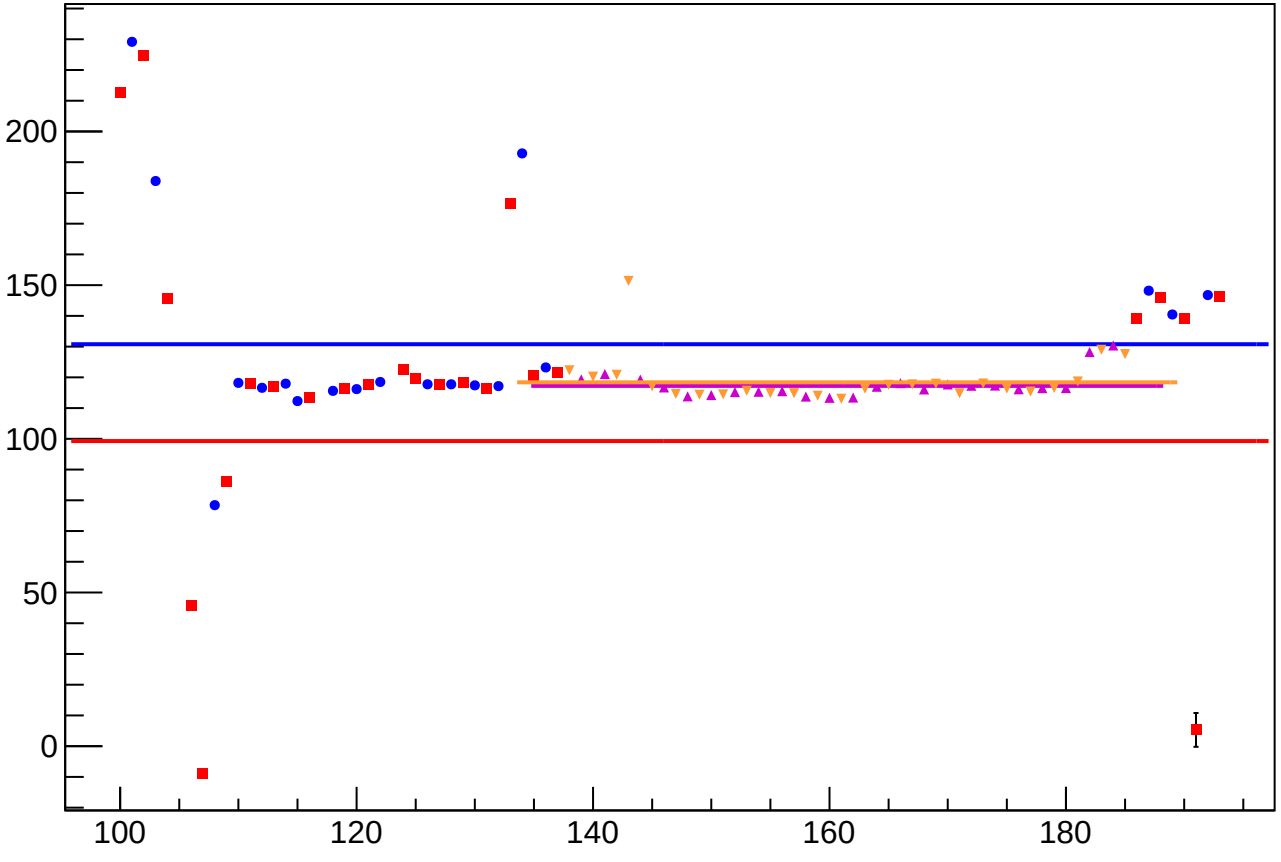
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -77.618+/-0.704 χ^2/NDF: 1433.9/43

All: -76.452+/-0.497 χ^2/NDF: 3028.8/90

- sign -75.296+/-0.701 χ^2/NDF: 1589.4/46

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: 99.275+/-0.073 χ^2/NDF: 672977.5/23

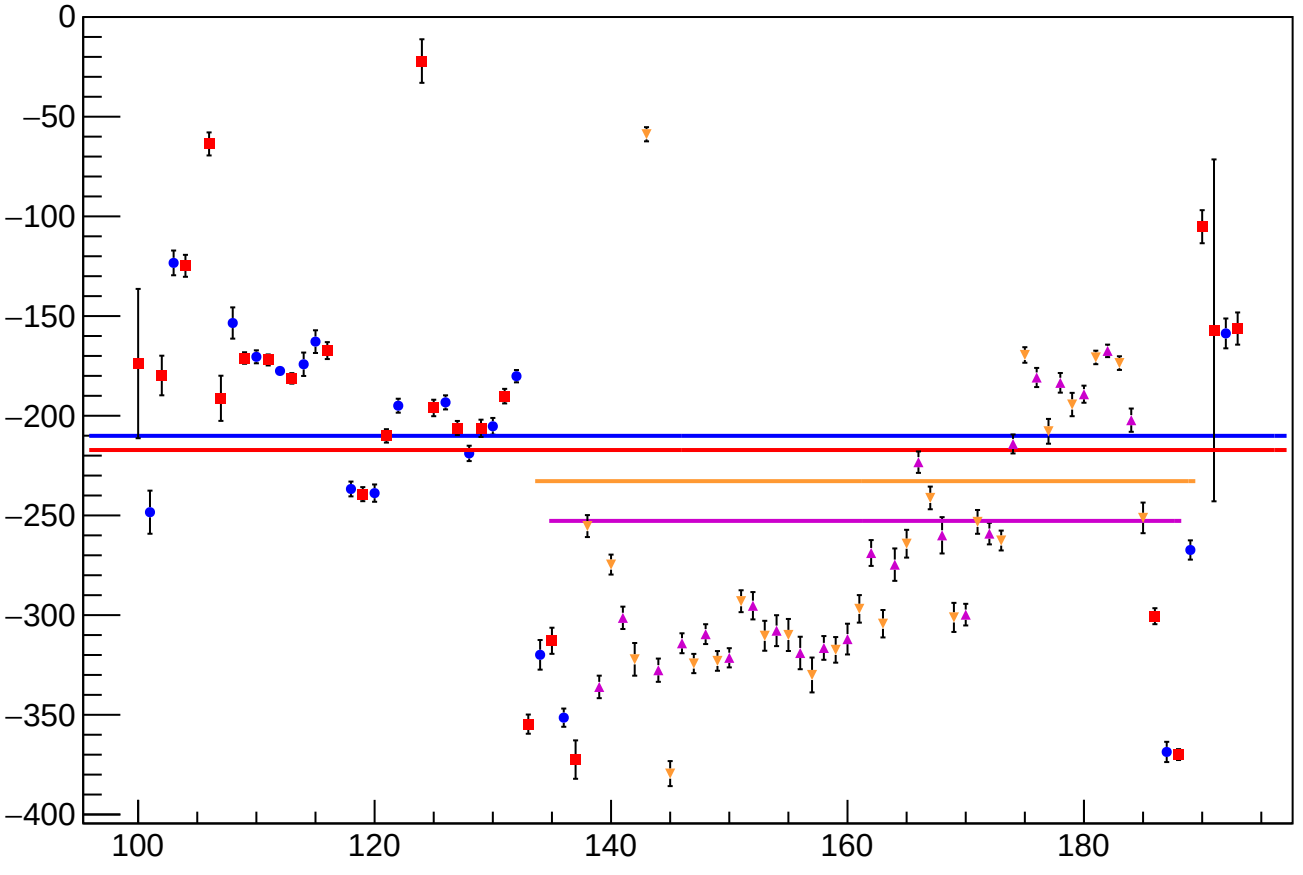
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 120.455+/-0.034 χ^2/NDF: 241294.7/43

All: 116.895+/-0.024 χ^2/NDF: 993841.6/90

- sign 113.458+/-0.033 χ^2/NDF: 731025.5/46

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: -217.192+/-0.884 χ^2/NDF: 7401.2/23

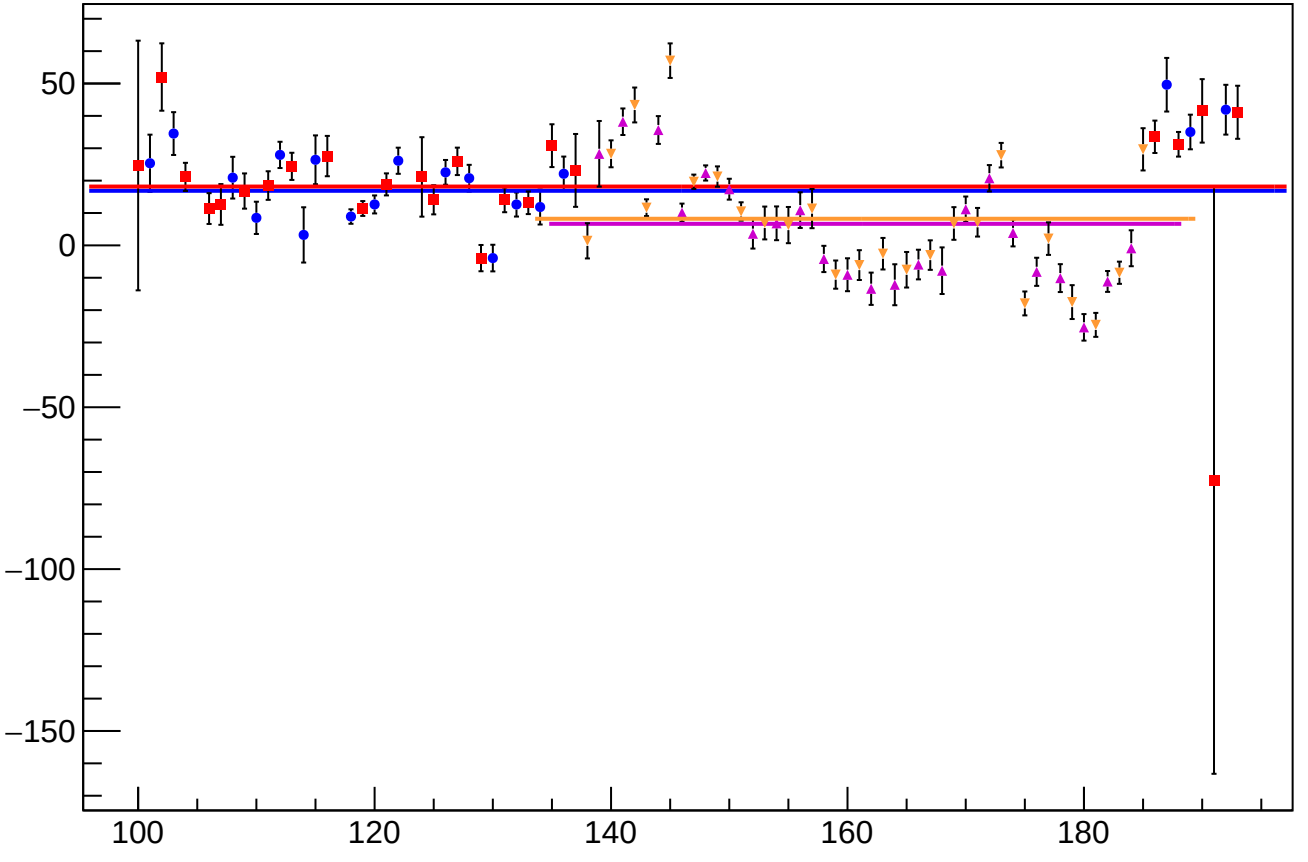
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -220.358+/-0.721 χ^2/NDF: 9274.4/43

All: -225.695+/-0.501 χ^2/NDF: 20308.7/90

- sign -230.674+/-0.696 χ^2/NDF: 10928.5/46

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: 18.171+/-0.969 χ^2/NDF: 104.0/23

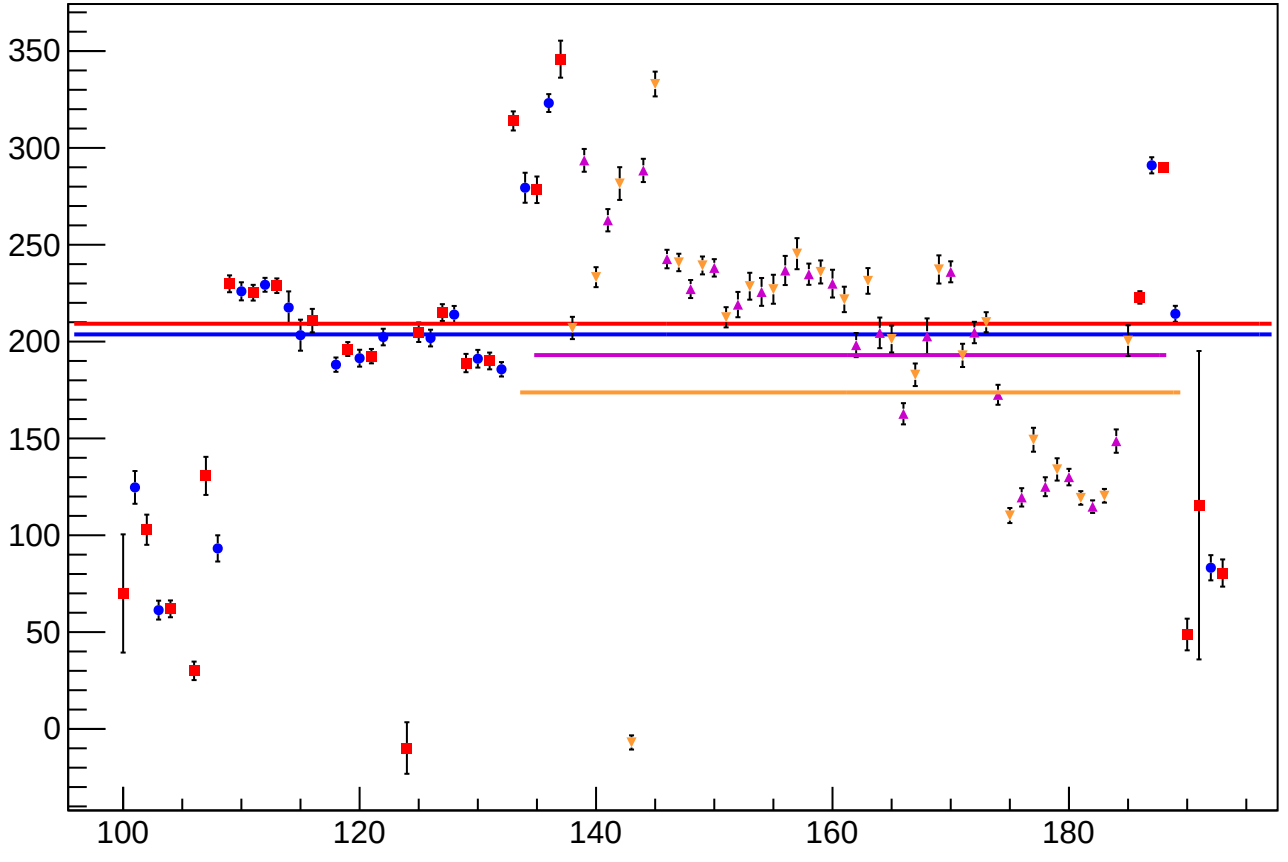
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 11.561+/-0.629 χ^2/NDF: 615.4/43

All: 11.638+/-0.449 χ^2/NDF: 1153.3/90

- sign 11.718+/-0.643 χ^2/NDF: 537.9/46

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: 209.216+/-0.956 χ^2/NDF: 6074.4/23

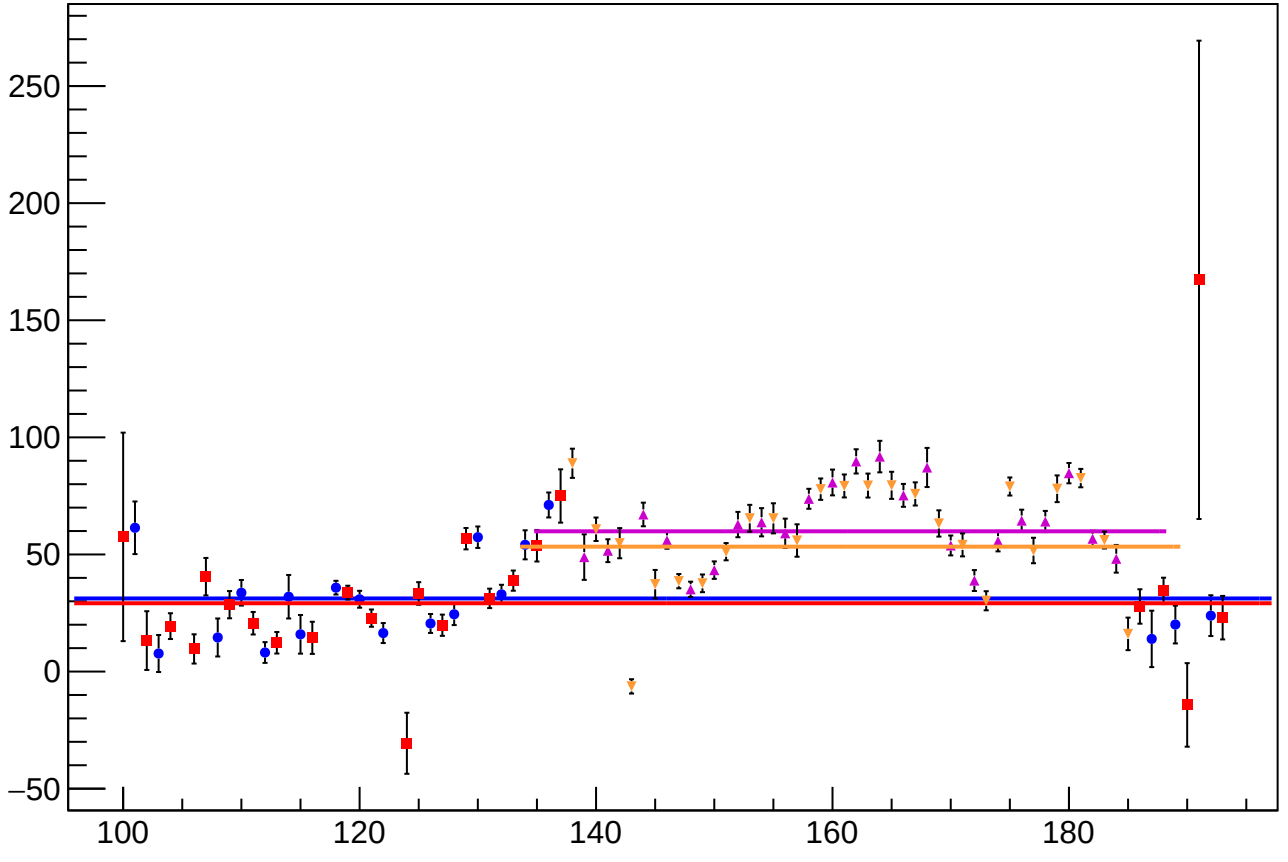
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 188.413+/-0.764 χ^2/NDF: 8545.1/43

All: 195.747+/-0.527 χ^2/NDF: 17428.1/90

- sign 202.406+/-0.728 χ^2/NDF: 8707.0/46

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: 29.169+/-1.145 χ^2/NDF: 150.0/23

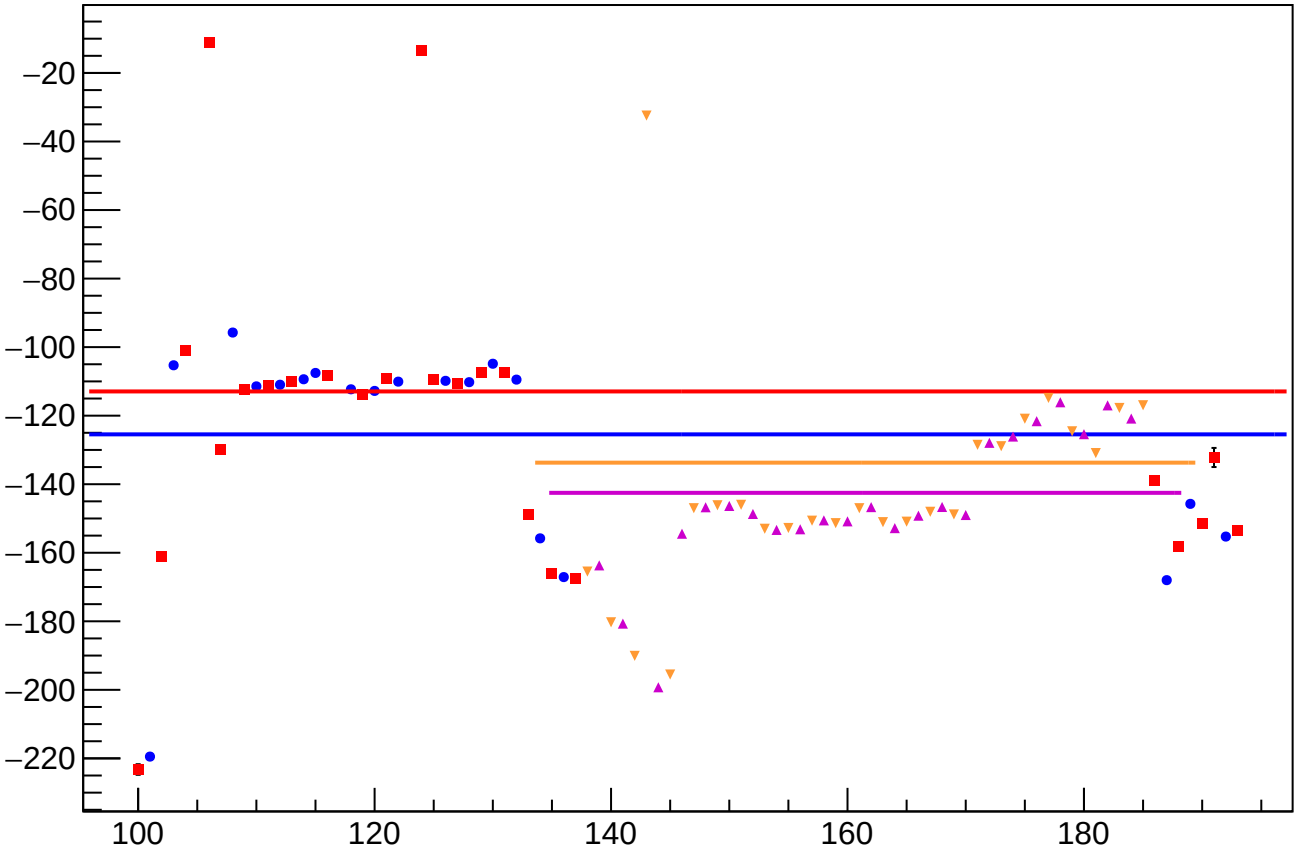
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 45.000+/-0.728 χ^2/NDF: 1177.7/43

All: 45.951+/-0.520 χ^2/NDF: 1999.1/90

- sign 46.942+/-0.743 χ^2/NDF: 817.9/46

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: -112.930+/-0.069 χ^2/NDF: 418470.5/23

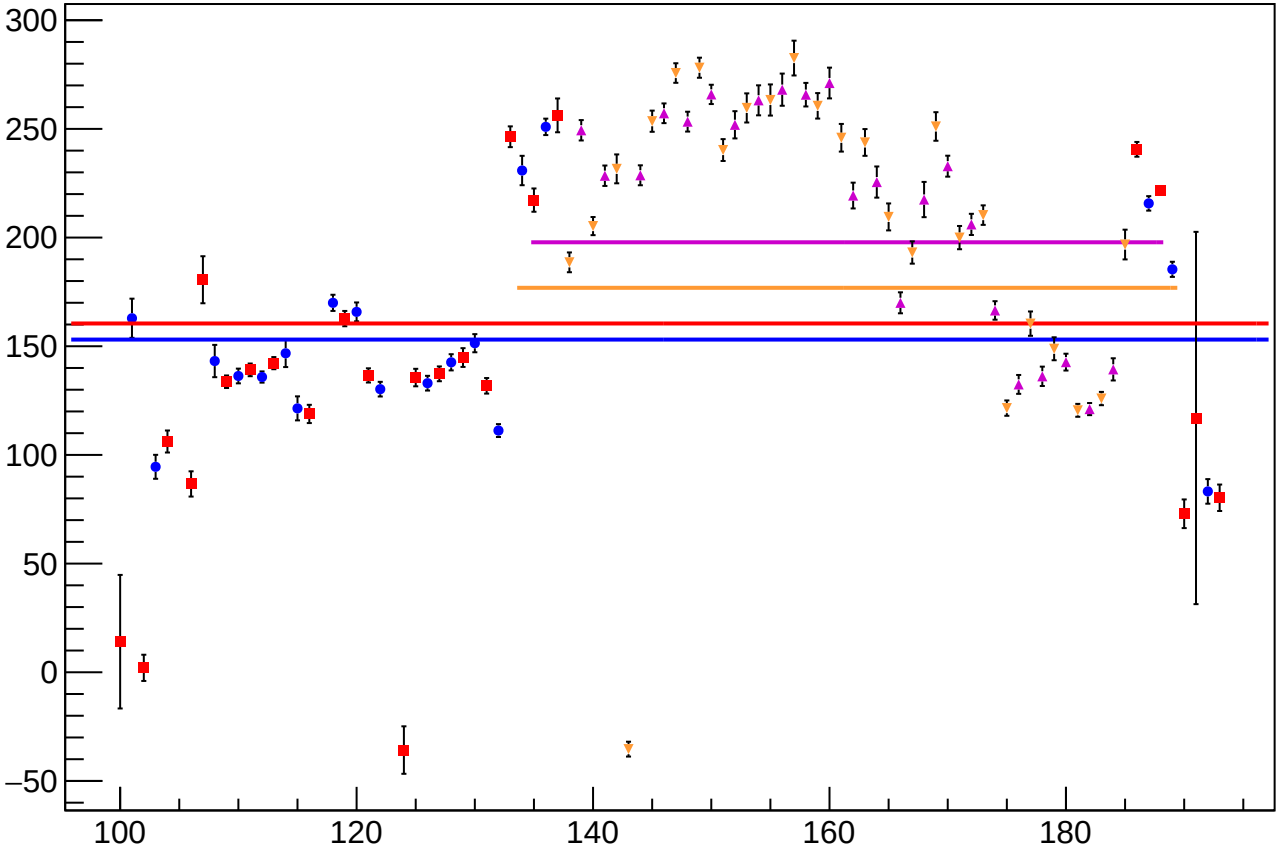
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -131.630+/-0.037 χ^2/NDF: 826889.6/43

All: -132.713+/-0.026 χ^2/NDF: 1556152.3/90

- sign -133.811+/-0.037 χ^2/NDF: 727541.0/46

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: 160.473+/-0.807 χ^2/NDF: 4487.4/23

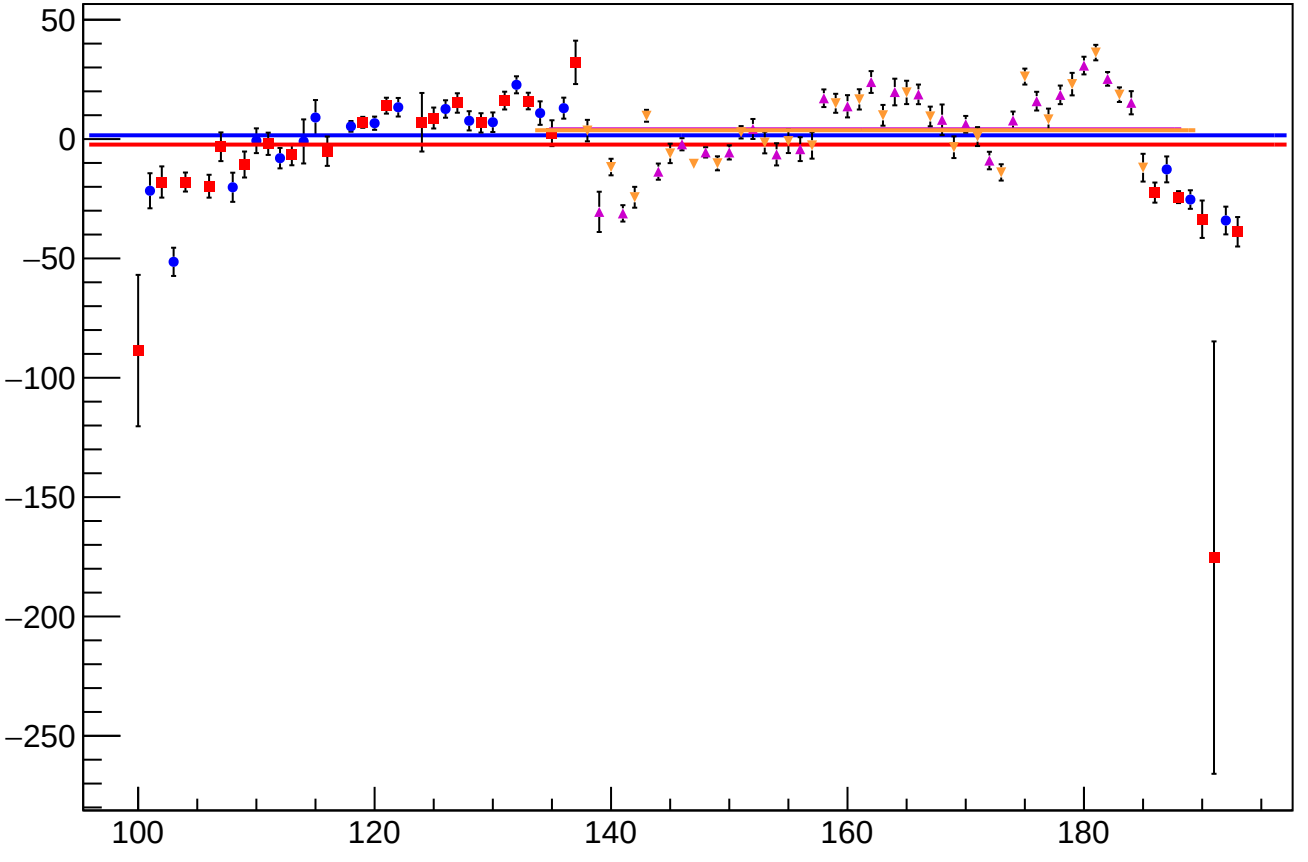
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 164.421+/-0.661 χ^2/NDF: 9680.3/43

All: 170.018+/-0.456 χ^2/NDF: 18111.4/90

- sign 175.090+/-0.629 χ^2/NDF: 8294.5/46

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: -2.305+/-0.900 χ^2/NDF: 338.0/23

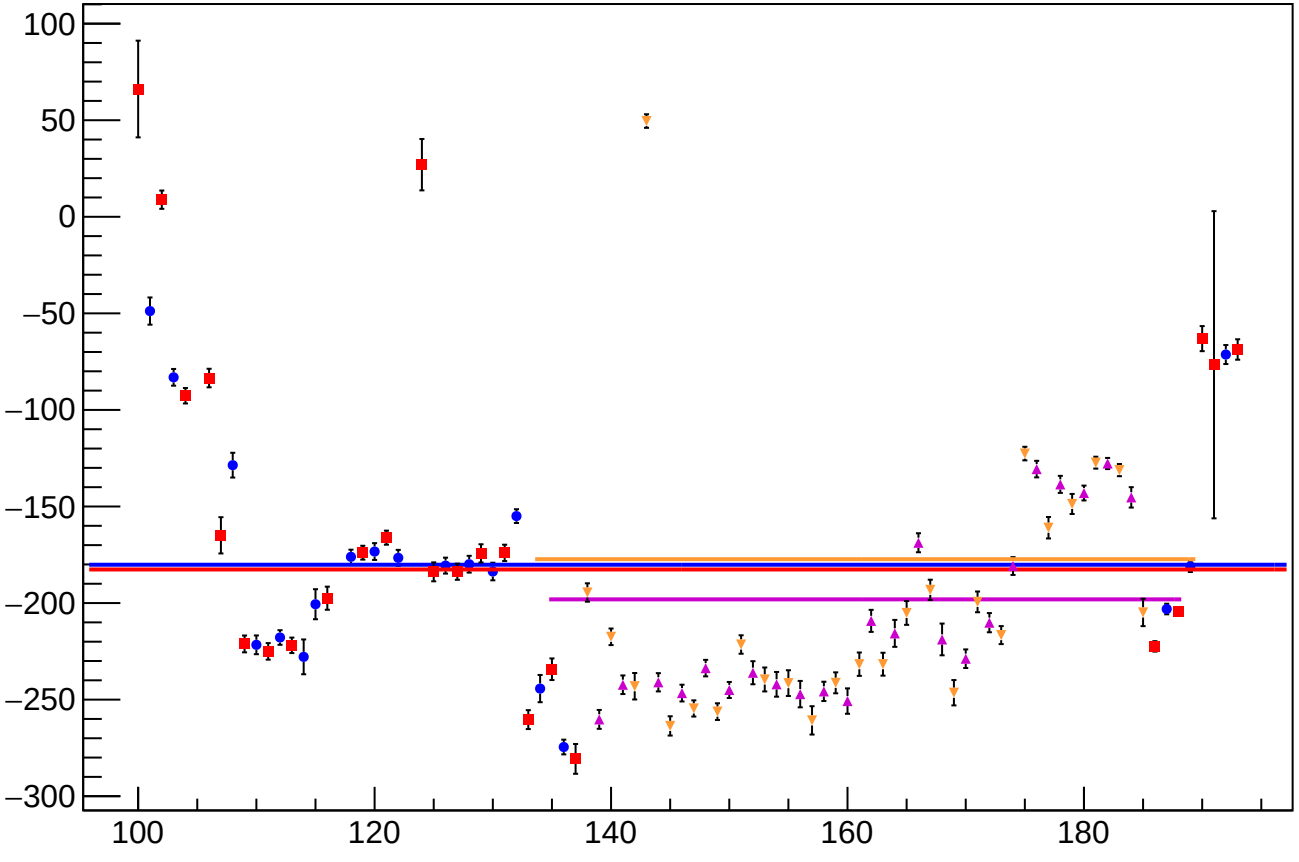
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 2.935+/-0.577 χ^2/NDF: 679.9/43

All: 2.176+/-0.411 χ^2/NDF: 1449.6/90

- sign 1.398+/-0.585 χ^2/NDF: 766.2/46

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: -182.610+/-0.818 χ^2/NDF: 4987.9/23

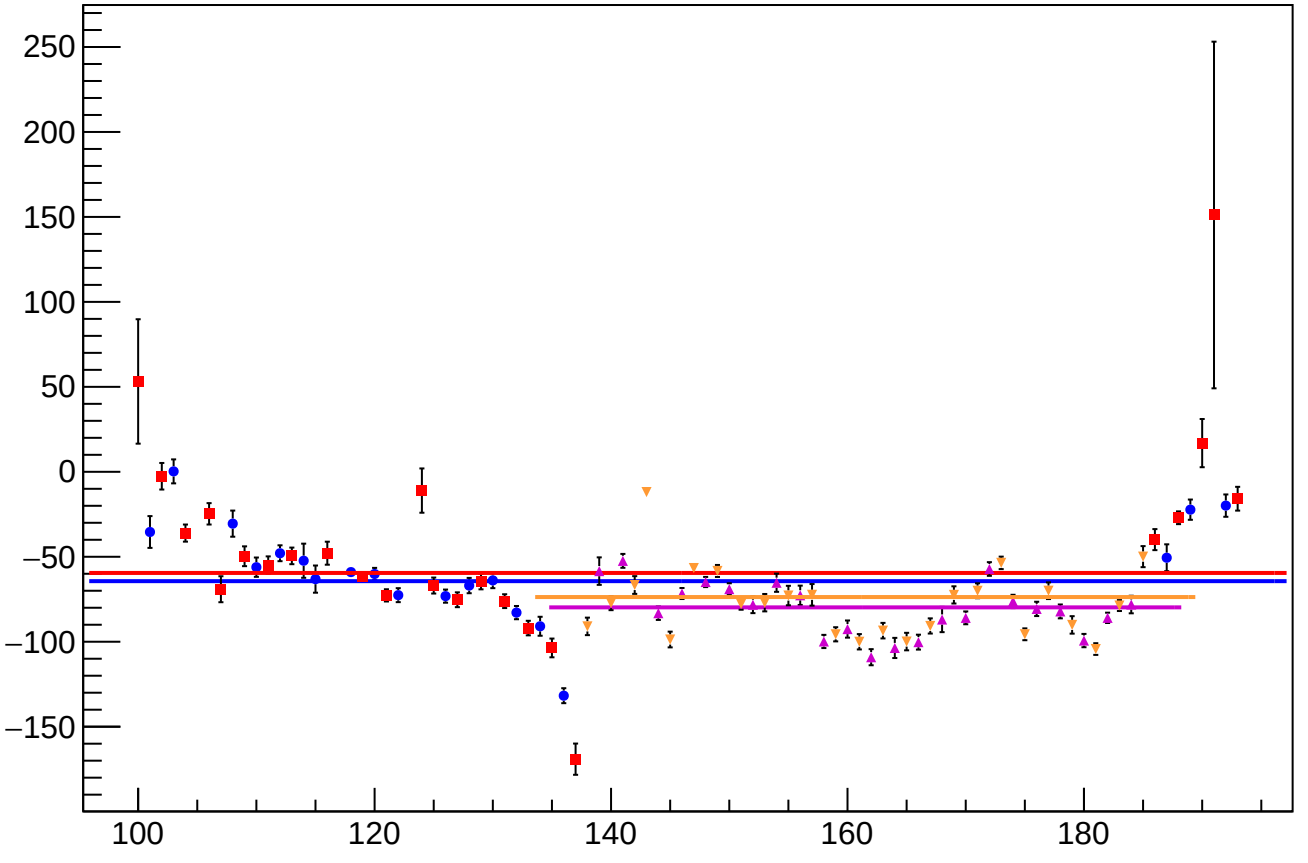
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -178.686+/-0.684 χ^2/NDF: 9477.4/43

All: -184.140+/-0.465 χ^2/NDF: 17113.1/90

- sign -188.819+/-0.633 χ^2/NDF: 7517.6/46

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: -59.517+/-1.080 χ^2/NDF: 609.0/23

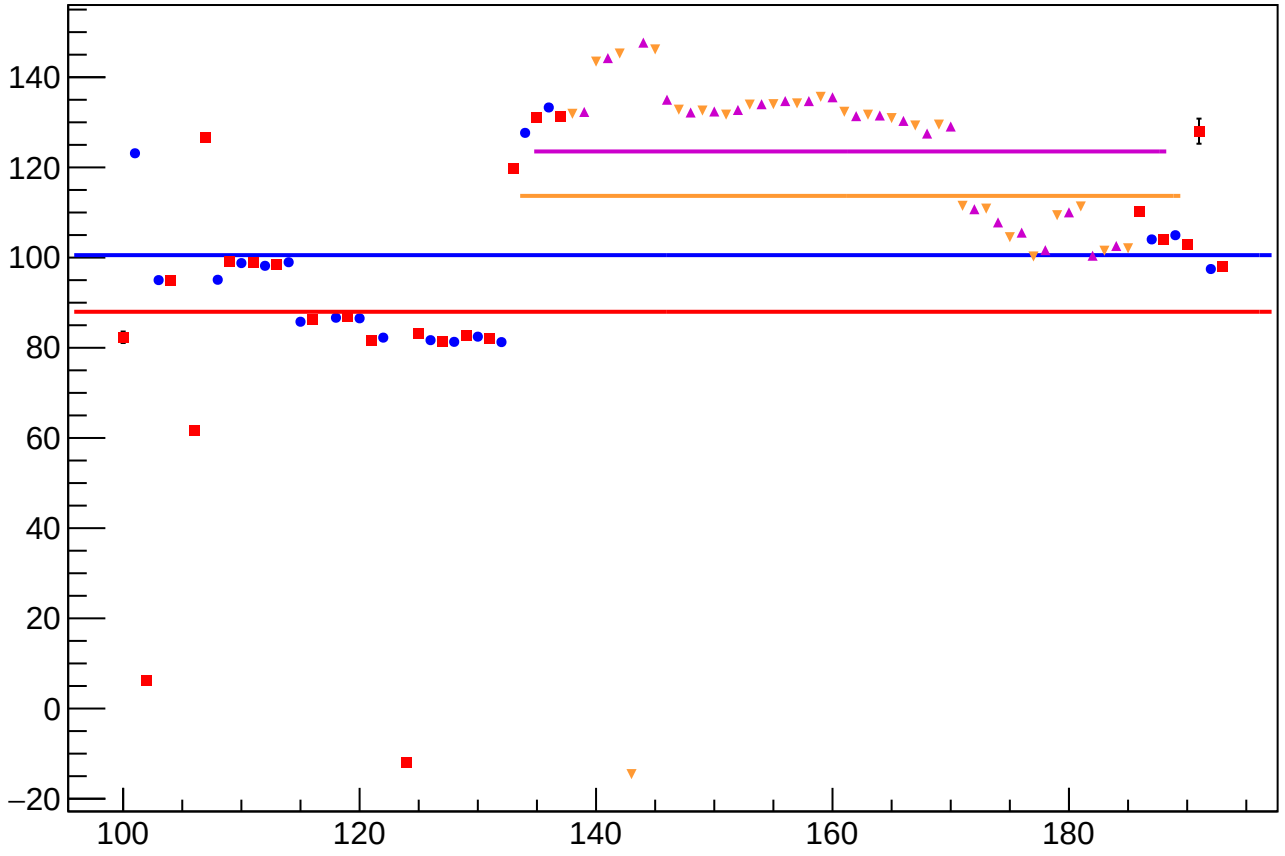
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -70.430+/-0.668 χ^2/NDF: 1405.1/43

All: -71.084+/-0.476 χ^2/NDF: 2505.8/90

- sign -71.760+/-0.679 χ^2/NDF: 1098.7/46

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: 87.986+/-0.061 χ^2/NDF: 279316.7/23

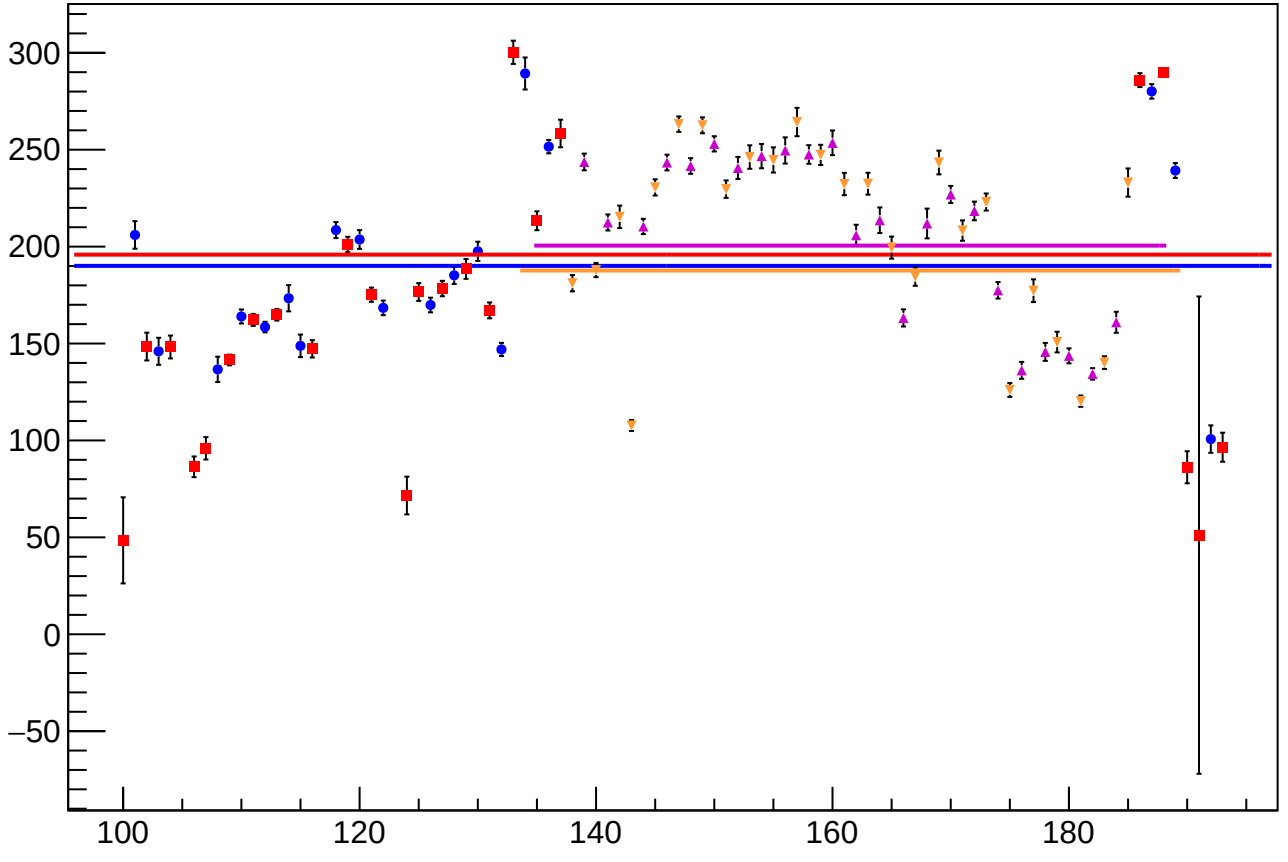
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 110.427+/-0.033 χ^2/NDF: 1060281.7/43

All: 111.754+/-0.024 χ^2/NDF: 1714219.5/90

- sign 113.083+/-0.033 χ^2/NDF: 650751.1/46

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

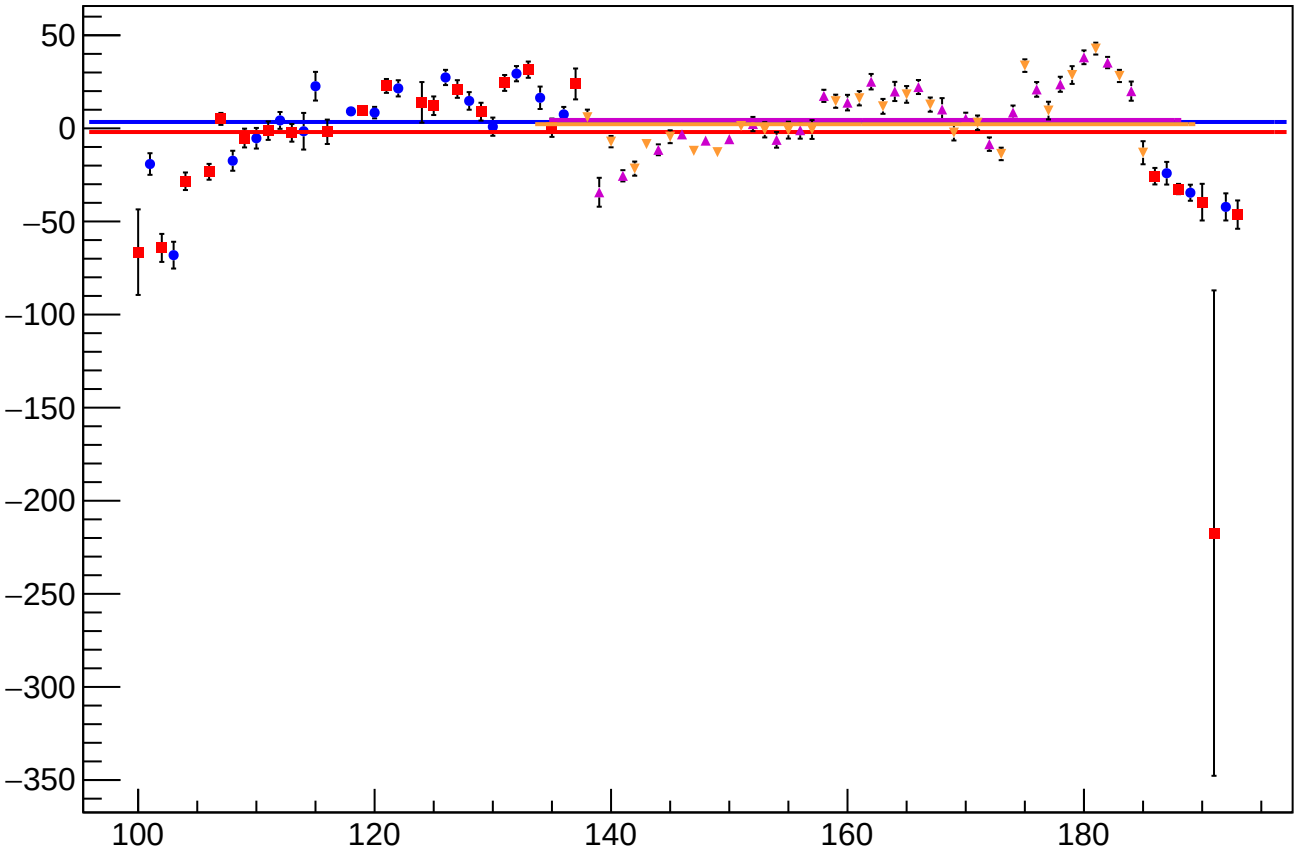
Right Out: 195.862+/-0.869 χ^2/NDF: 5512.0/23

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.749+/-0.668 χ^2/NDF: 5499.3/43

All: 193.538+/-0.463 χ^2/NDF: 13234.7/90

- sign 197.971+/-0.643 χ^2/NDF: 7636.4/46



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: -1.973+/-0.955 χ^2/NDF: 552.3/23

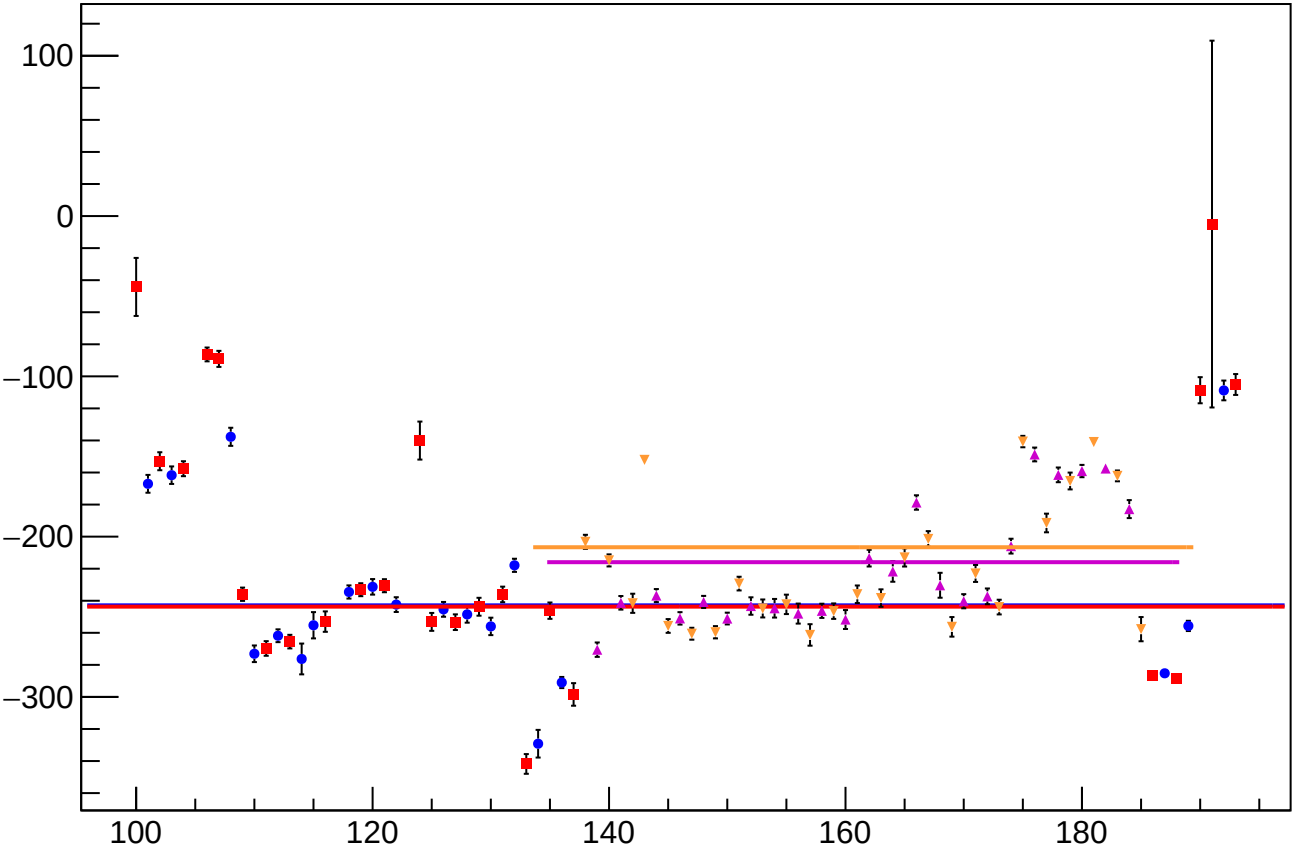
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

\+ sign 2.583+/-0.562 χ^2/NDF: 988.4/43

All: 2.389+/-0.401 χ^2/NDF: 2117.6/90

\- sign 2.187+/-0.572 χ^2/NDF: 1129.0/46

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

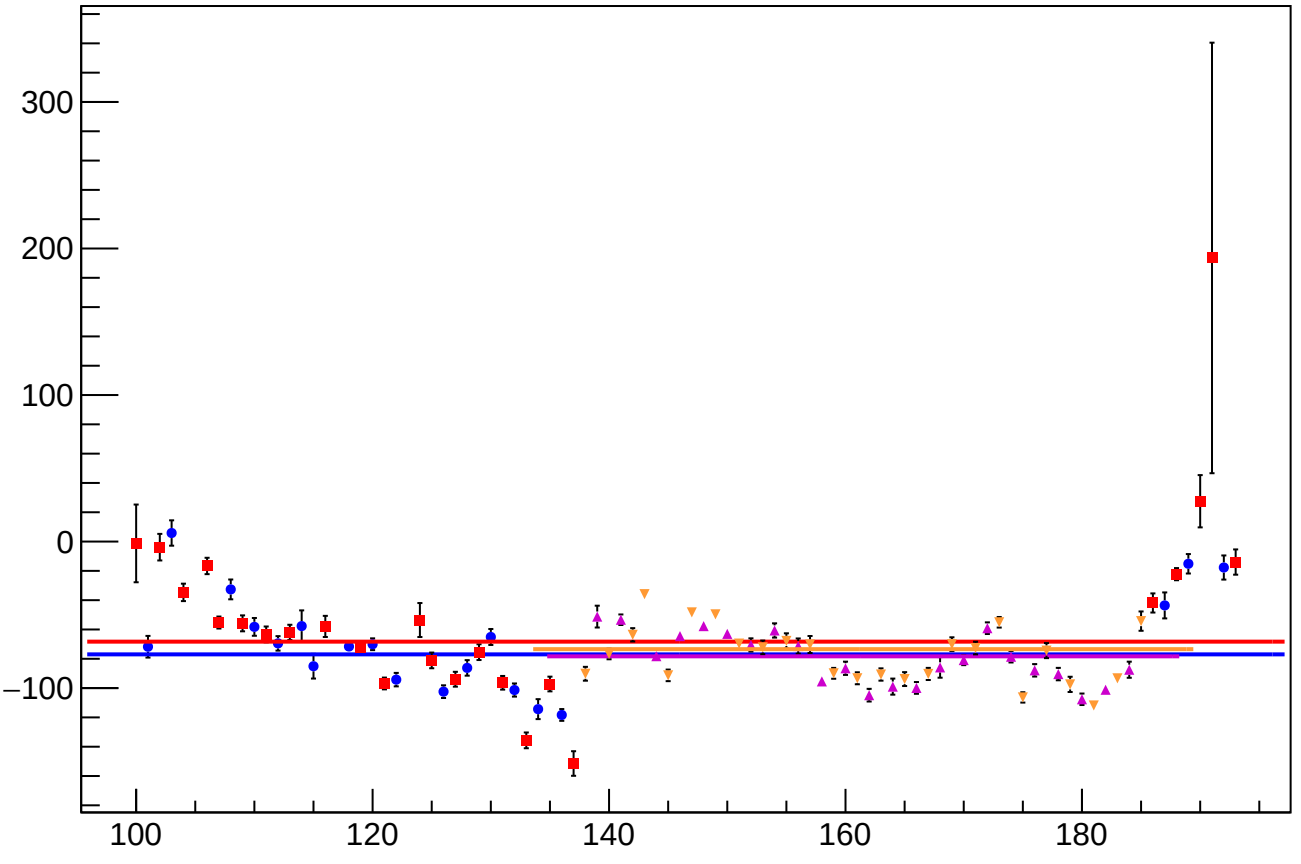
Right Out: -243.666+/-0.884 χ^2/NDF: 5248.5/23

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

\+ sign -221.544+/-0.686 χ^2/NDF: 4992.8/43

All: -226.422+/-0.470 χ^2/NDF: 12507.1/90

\- sign -230.744+/-0.646 χ^2/NDF: 7419.0/46



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: -68.301+/-1.148 χ^2/NDF: 816.2/23

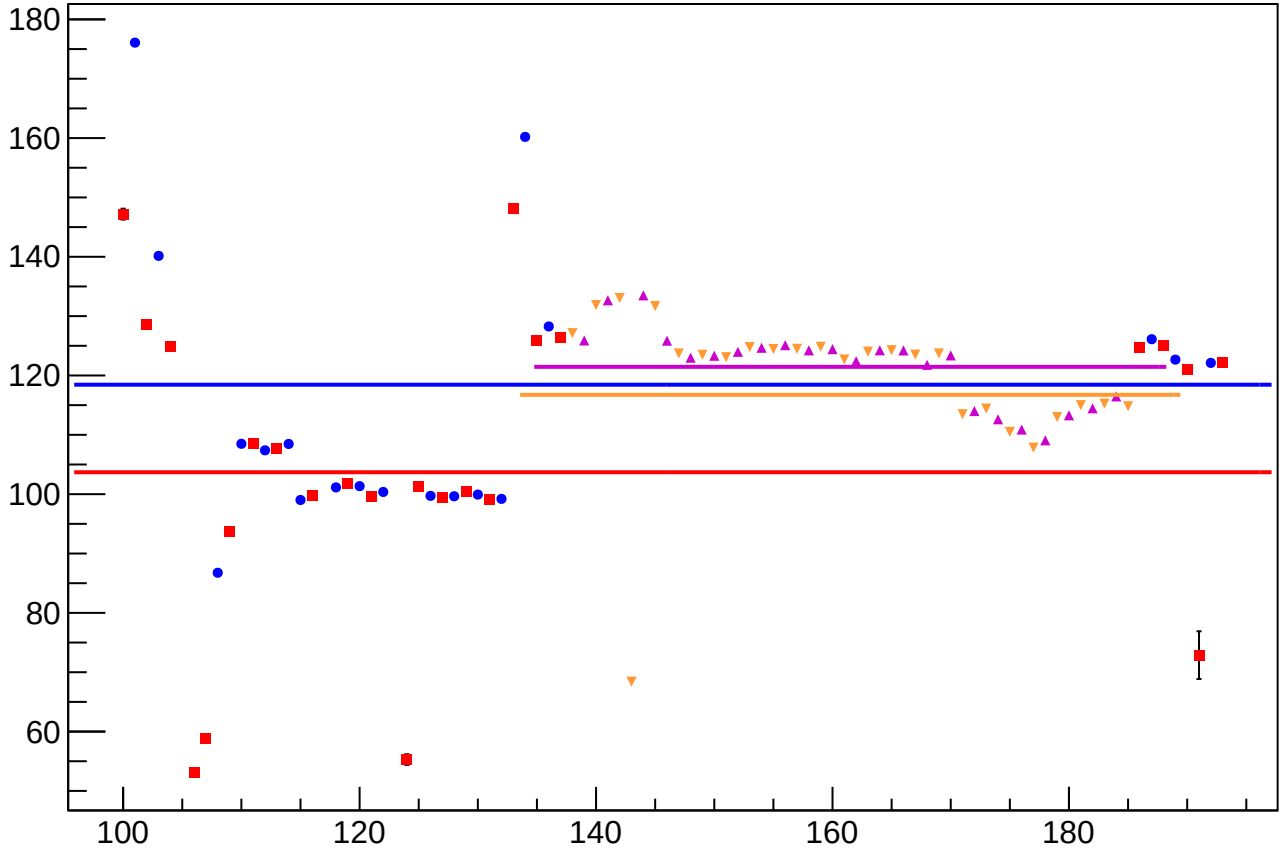
Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -74.415+/-0.652 χ^2/NDF: 1374.0/43

All: -74.679+/-0.466 χ^2/NDF: 2684.4/90

- sign -74.955+/-0.666 χ^2/NDF: 1310.1/46

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: 103.697+/-0.064 χ^2/NDF: 186411.2/23

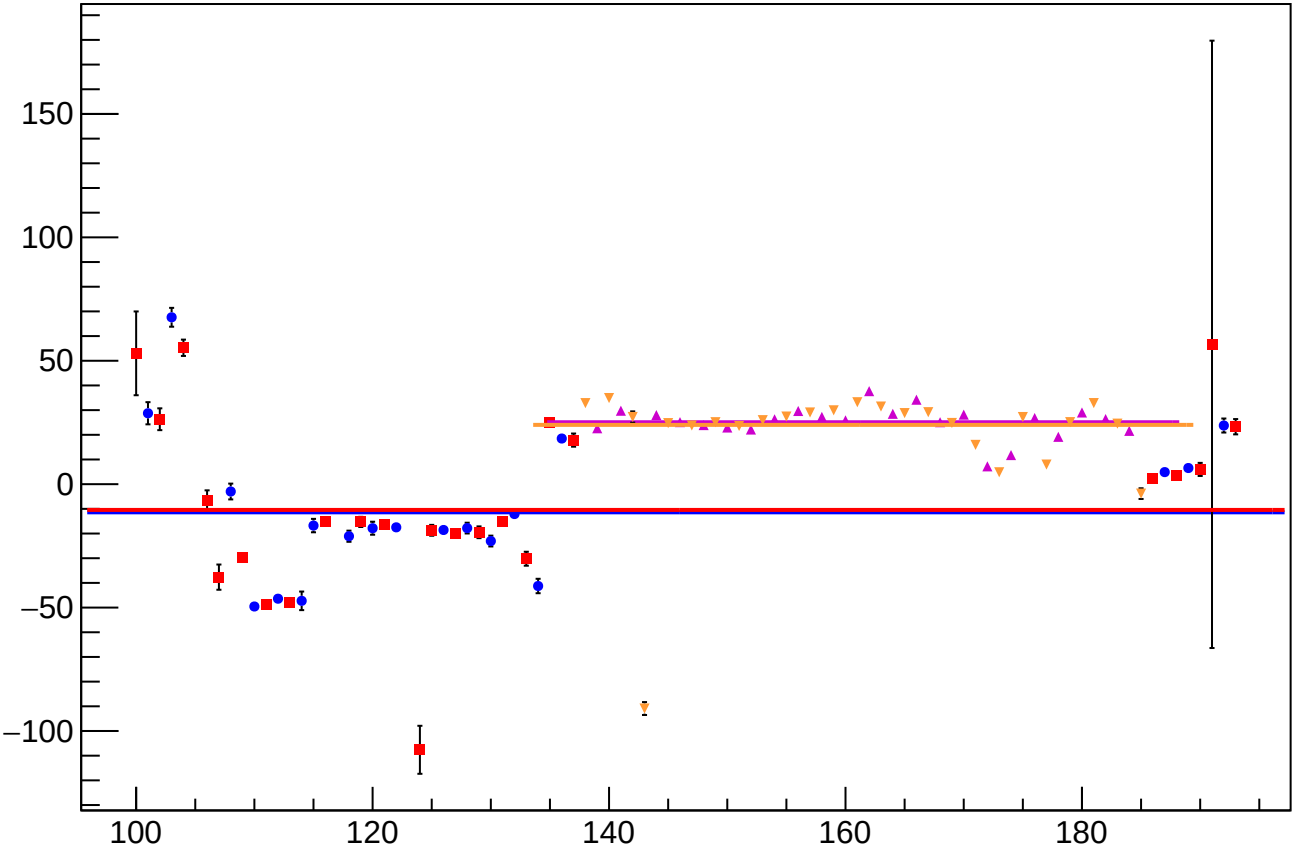
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.078+/-0.032 χ^2/NDF: 300212.5/43

All: 117.020+/-0.023 χ^2/NDF: 572859.4/90

- sign 116.963+/-0.032 χ^2/NDF: 272640.5/46

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: -10.435+/-0.433 χ^2/NDF: 2756.0/23

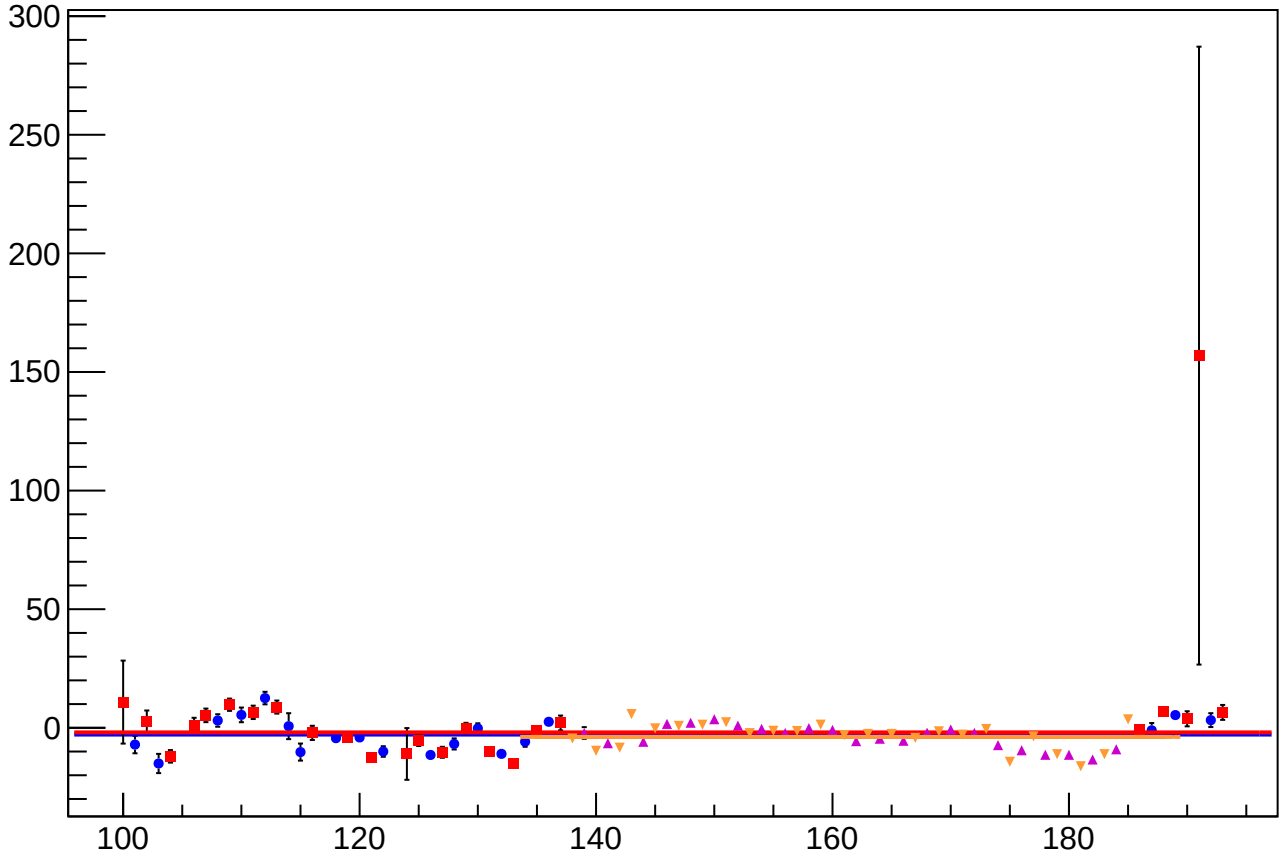
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.278+/-0.245 χ^2/NDF: 9195.7/43

All: 14.740+/-0.171 χ^2/NDF: 17134.2/90

- sign 14.227+/-0.239 χ^2/NDF: 7929.1/46

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: -1.935+/-0.487 χ^2/NDF: 219.9/23

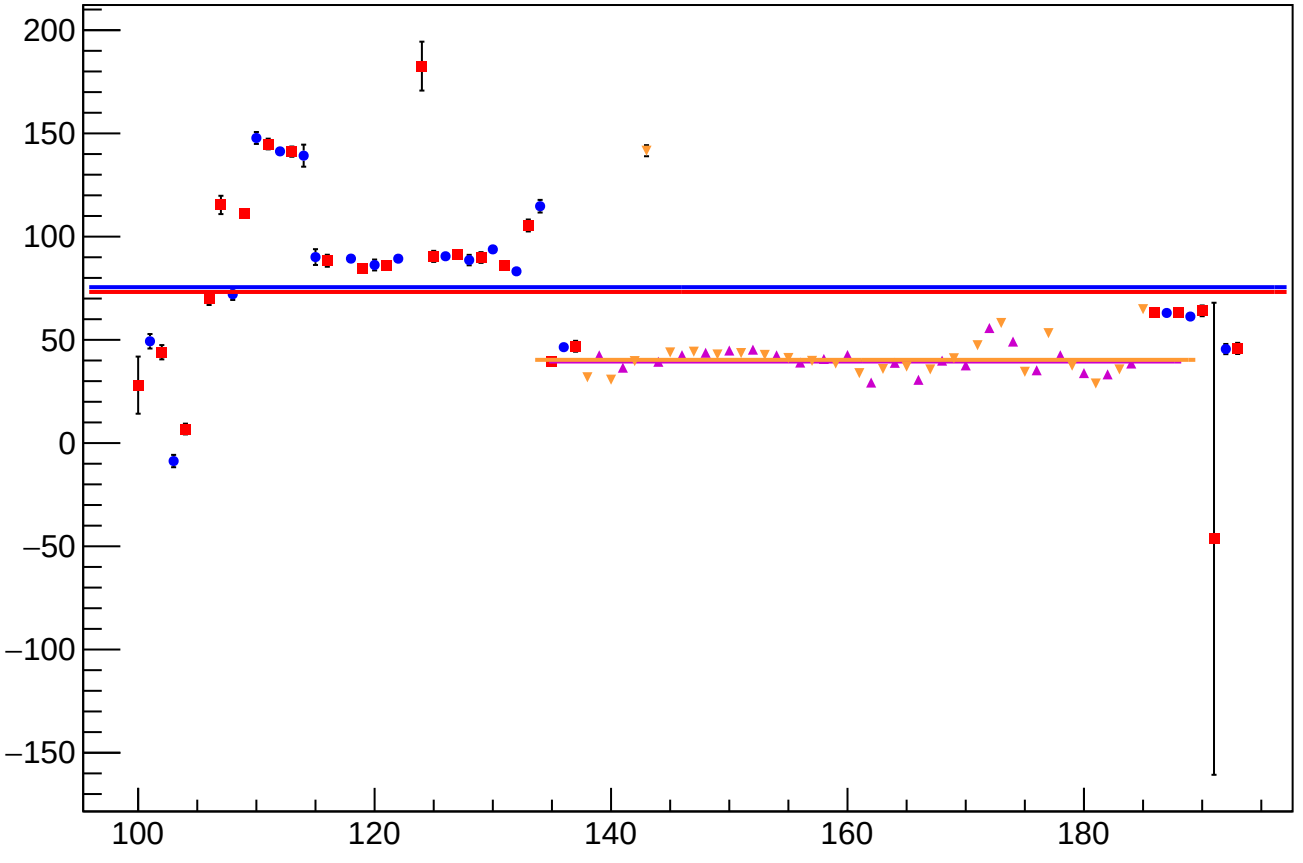
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.695+/-0.201 χ^2/NDF: 798.5/43

All: -3.578+/-0.143 χ^2/NDF: 1540.7/90

- sign -3.459+/-0.203 χ^2/NDF: 741.5/46

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

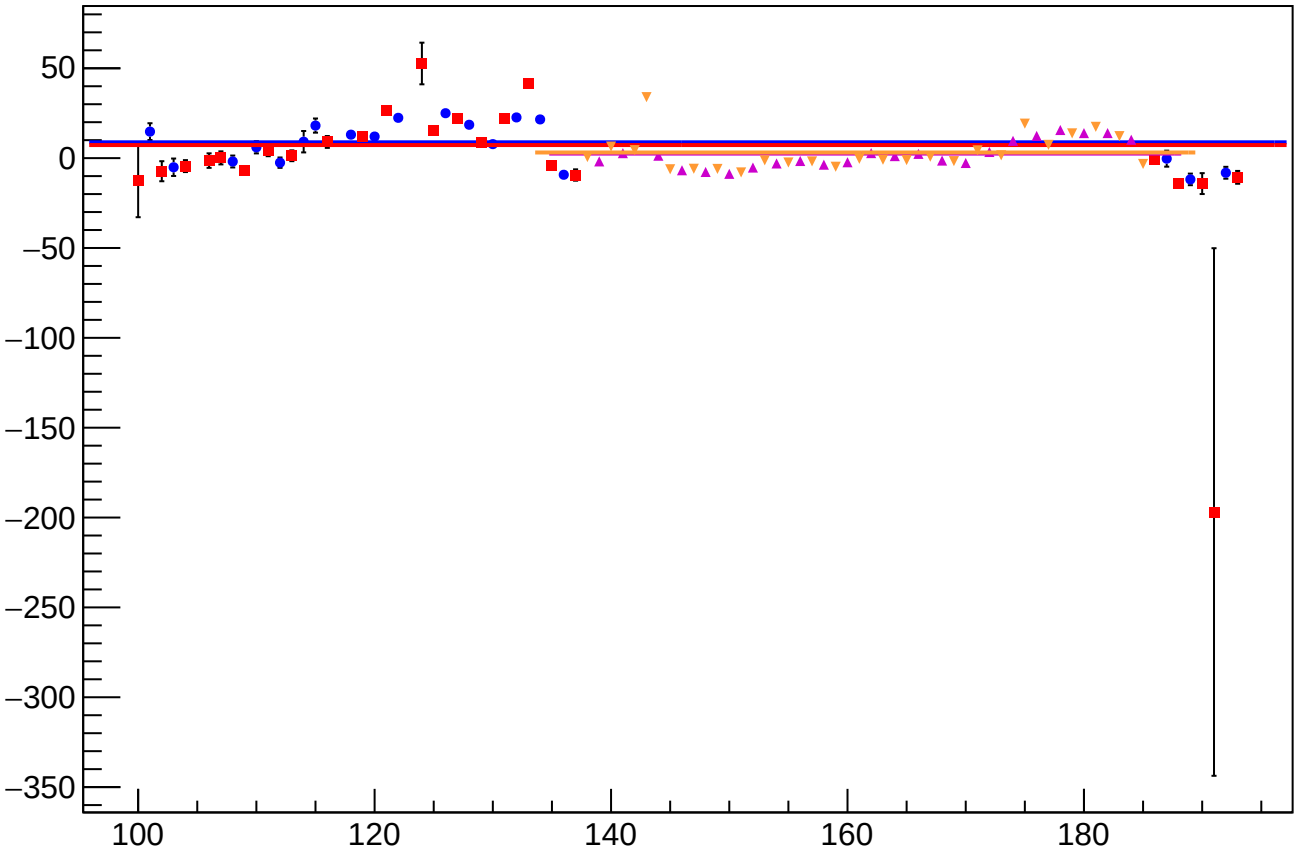
Right Out: 73.193+/-0.435 χ^2/NDF: 3868.1/23

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.183+/-0.247 χ^2/NDF: 9318.0/43

All: 48.916+/-0.171 χ^2/NDF: 17830.6/90

- sign 49.600+/-0.238 χ^2/NDF: 8495.6/46



Right In: 8.800+/-0.599 χ^2/NDF: 437.4/18

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

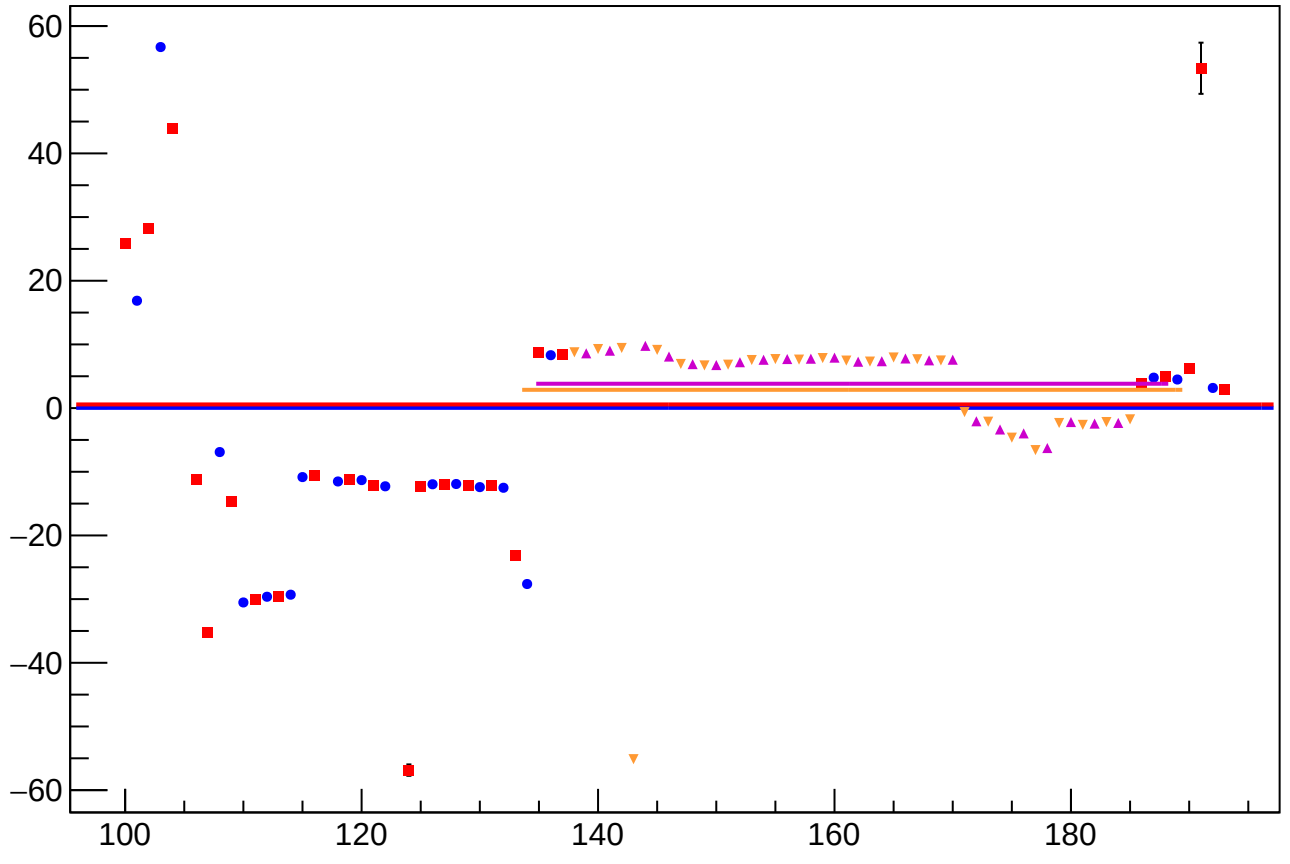
Right Out: 7.275+/-0.583 χ^2/NDF: 641.9/23

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.955+/-0.227 χ^2/NDF: 1780.8/43

All: 3.614+/-0.162 χ^2/NDF: 3451.6/90

- sign 3.263+/-0.231 χ^2/NDF: 1666.3/46



Right In: 0.041+/-0.033 χ^2/NDF: 370835.9/18

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

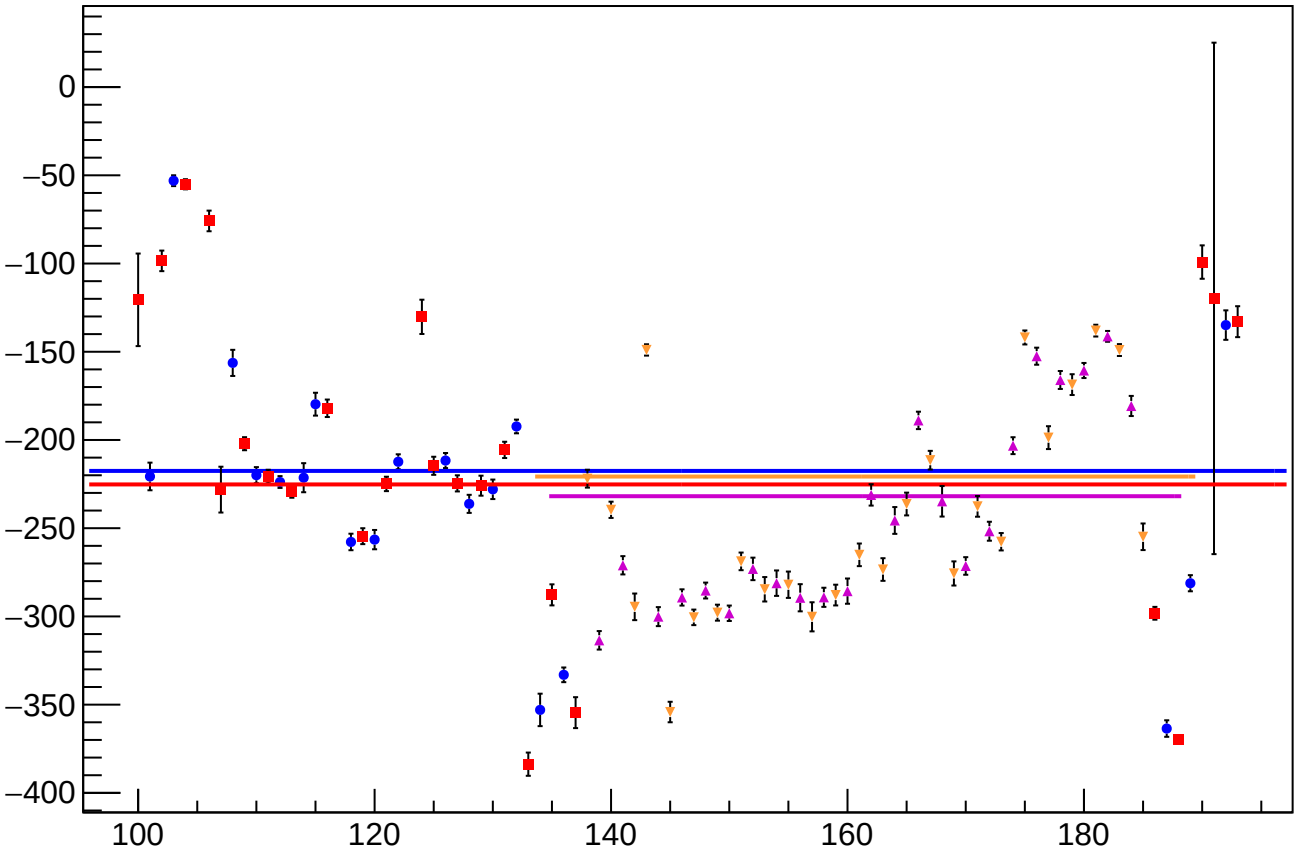
Right Out: 0.575+/-0.032 χ^2/NDF: 321076.2/23

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: 1456943.1/90

- sign 3.484+/-0.011 χ^2/NDF: 563297.4/46



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: -225.192+/-0.974 χ^2/NDF: 9862.4/23

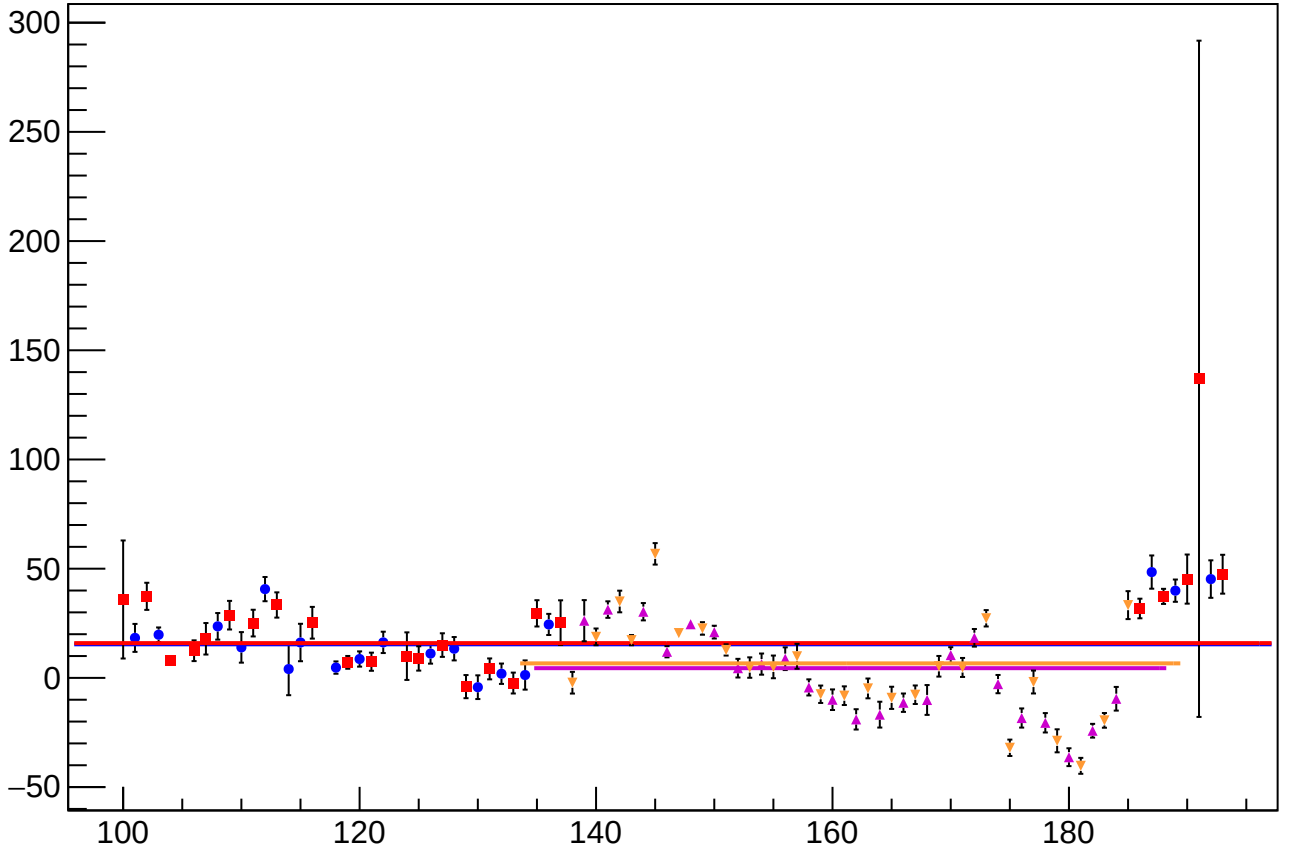
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

\+ sign -219.257+/-0.748 χ^2/NDF: 9478.3/43

All: -223.886+/-0.520 χ^2/NDF: 22596.1/90

\- sign -228.198+/-0.722 χ^2/NDF: 13043.9/46

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

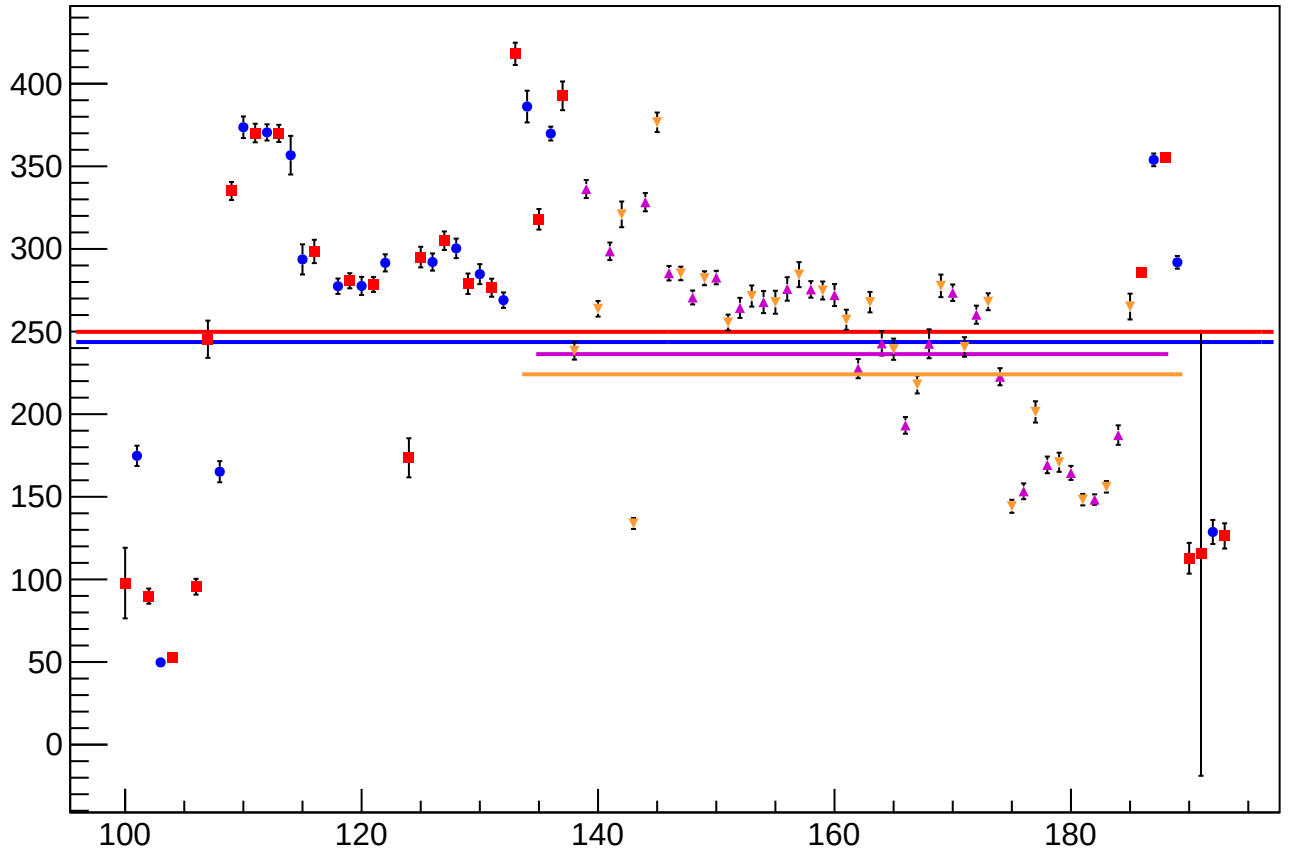
Right Out: 15.921+/-1.027 χ^2/NDF: 168.7/23

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 9.270+/-0.629 χ^2/NDF: 903.5/43

All: 9.051+/-0.447 χ^2/NDF: 1716.7/90

- sign 8.829+/-0.634 χ^2/NDF: 813.0/46



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: 249.838+/-0.955 χ^2/NDF: 15893.8/23

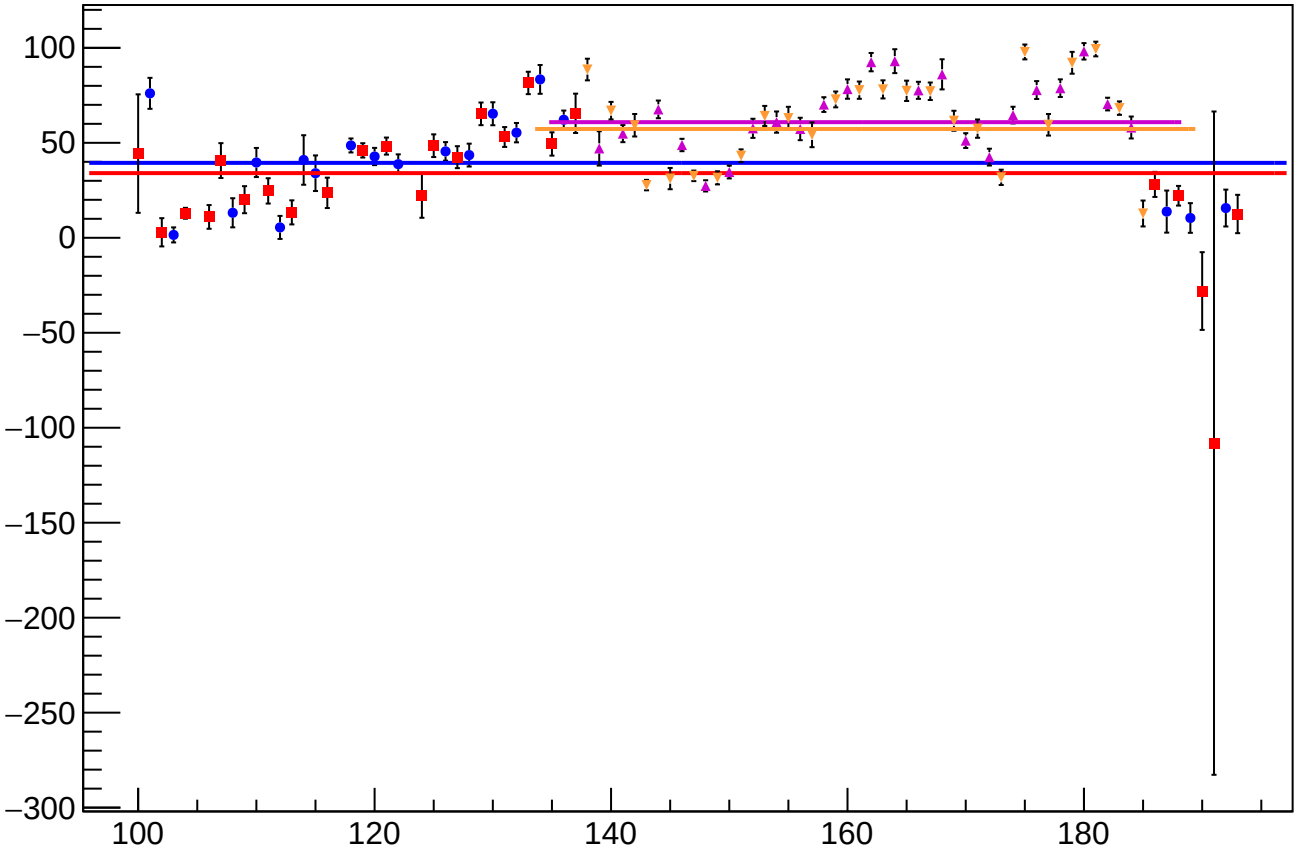
Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 232.842+/-0.754 χ^2/NDF: 14853.8/43

All: 238.656+/-0.518 χ^2/NDF: 33941.6/90

- sign 243.830+/-0.712 χ^2/NDF: 18975.6/46

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 39.451+/-1.352 χ^2/NDF: 272.6/18

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

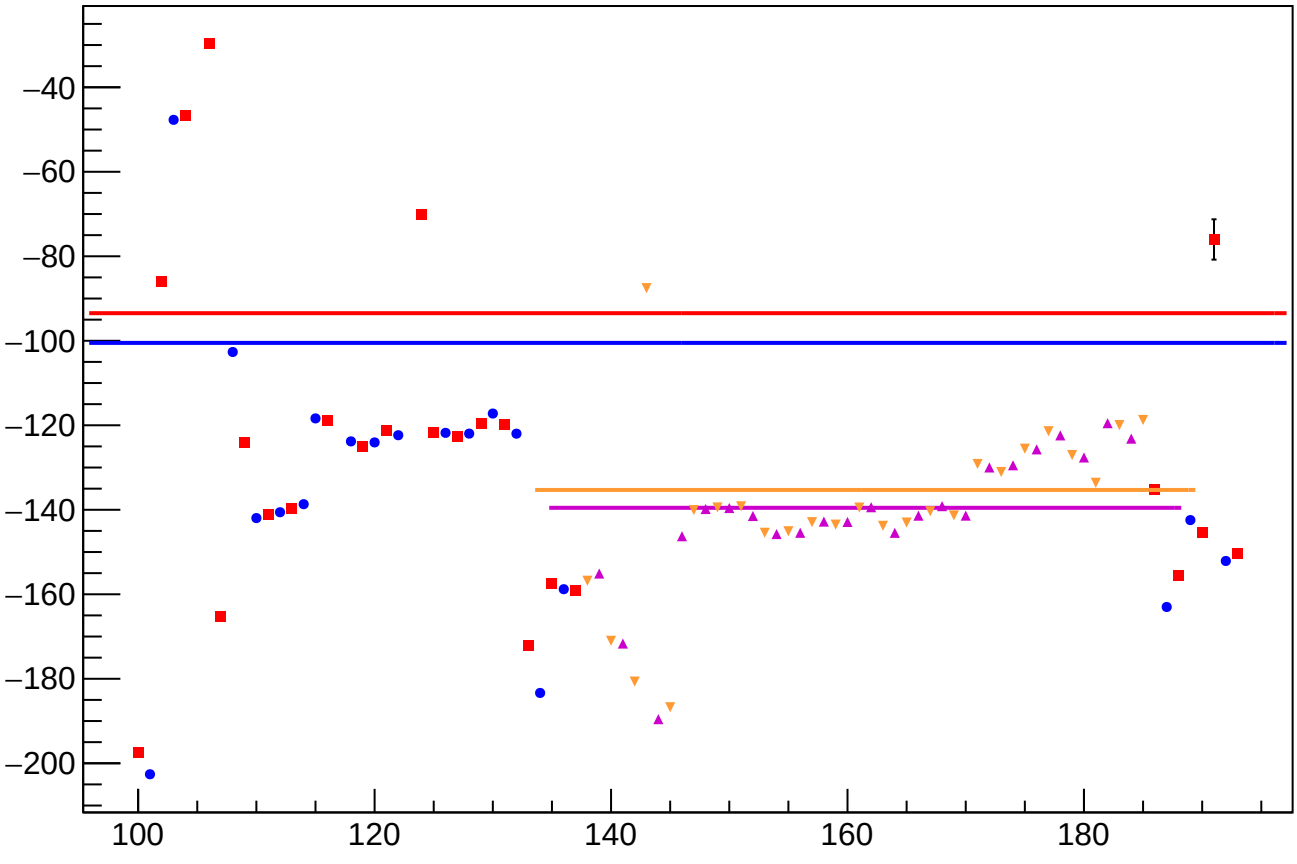
Right Out: 34.053+/-1.241 χ^2/NDF: 275.3/23

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 52.082+/-0.730 χ^2/NDF: 1163.8/43

All: 51.712+/-0.520 χ^2/NDF: 2195.1/90

- sign 51.331+/-0.740 χ^2/NDF: 1030.8/46



Right In: -100.498+/-0.066 χ^2/NDF: 577596.2/18

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

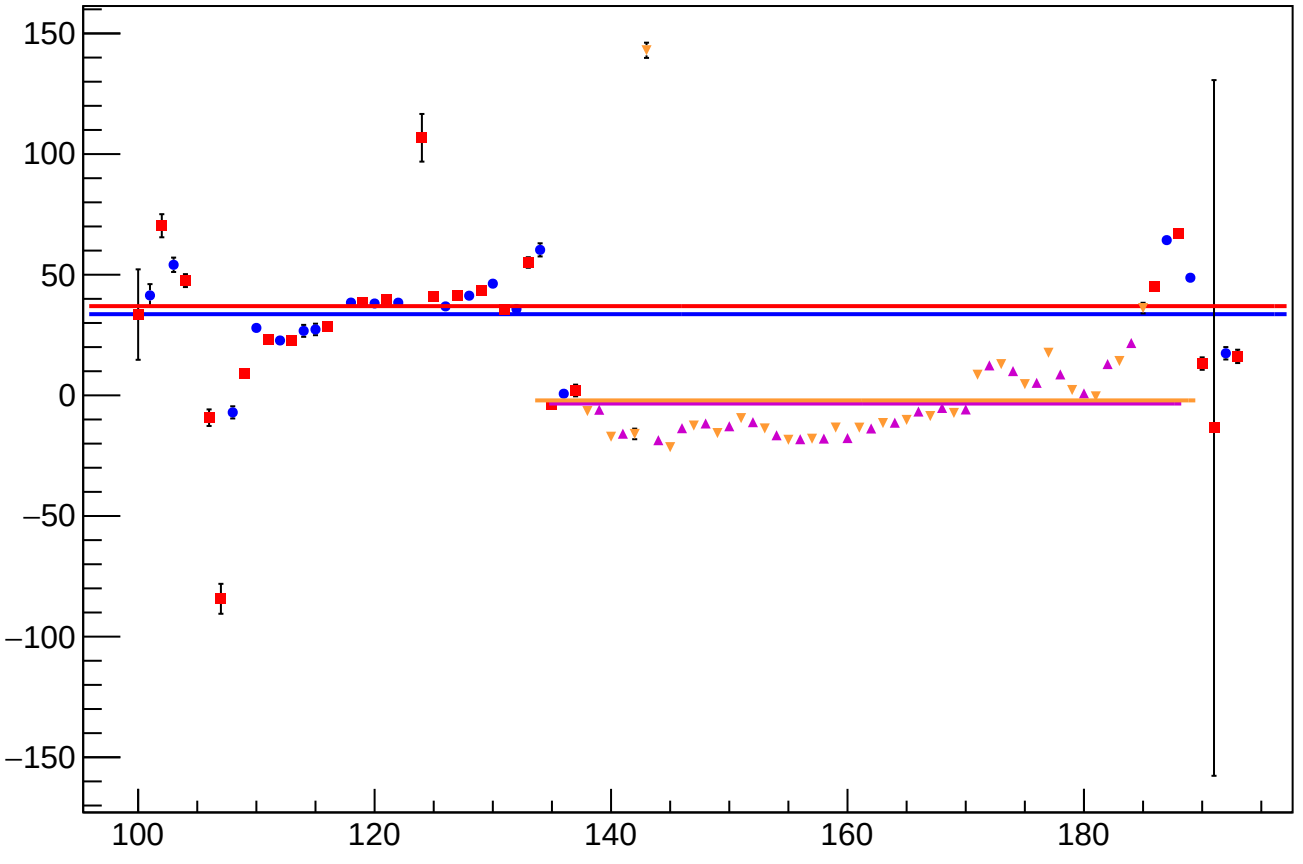
Right Out: -93.467+/-0.063 χ^2/NDF: 595433.5/23

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -125.792+/-0.035 χ^2/NDF: 1041597.3/43

All: -125.519+/-0.025 χ^2/NDF: 2122959.8/90

- sign -125.239+/-0.035 χ^2/NDF: 1081236.4/46



Right In: 33.647+/-0.382 χ^2/NDF: 2191.8/18

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

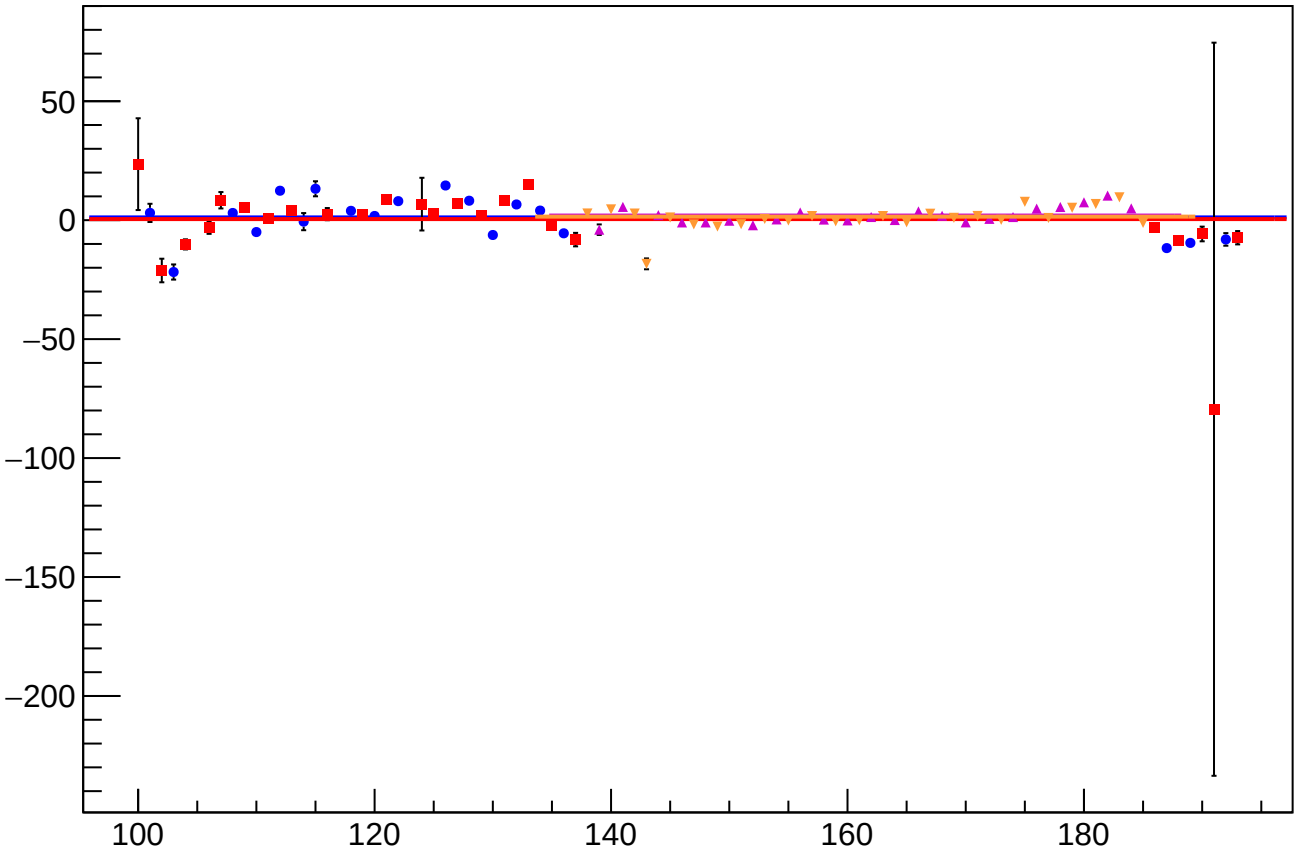
Right Out: 36.981+/-0.326 χ^2/NDF: 4438.4/23

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 9.634+/-0.219 χ^2/NDF: 12281.0/43

All: 11.460+/-0.151 χ^2/NDF: 27663.7/90

- sign 13.122+/-0.209 χ^2/NDF: 15249.4/46



Right In: 1.159+/-0.411 χ^2/NDF: 366.2/18

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

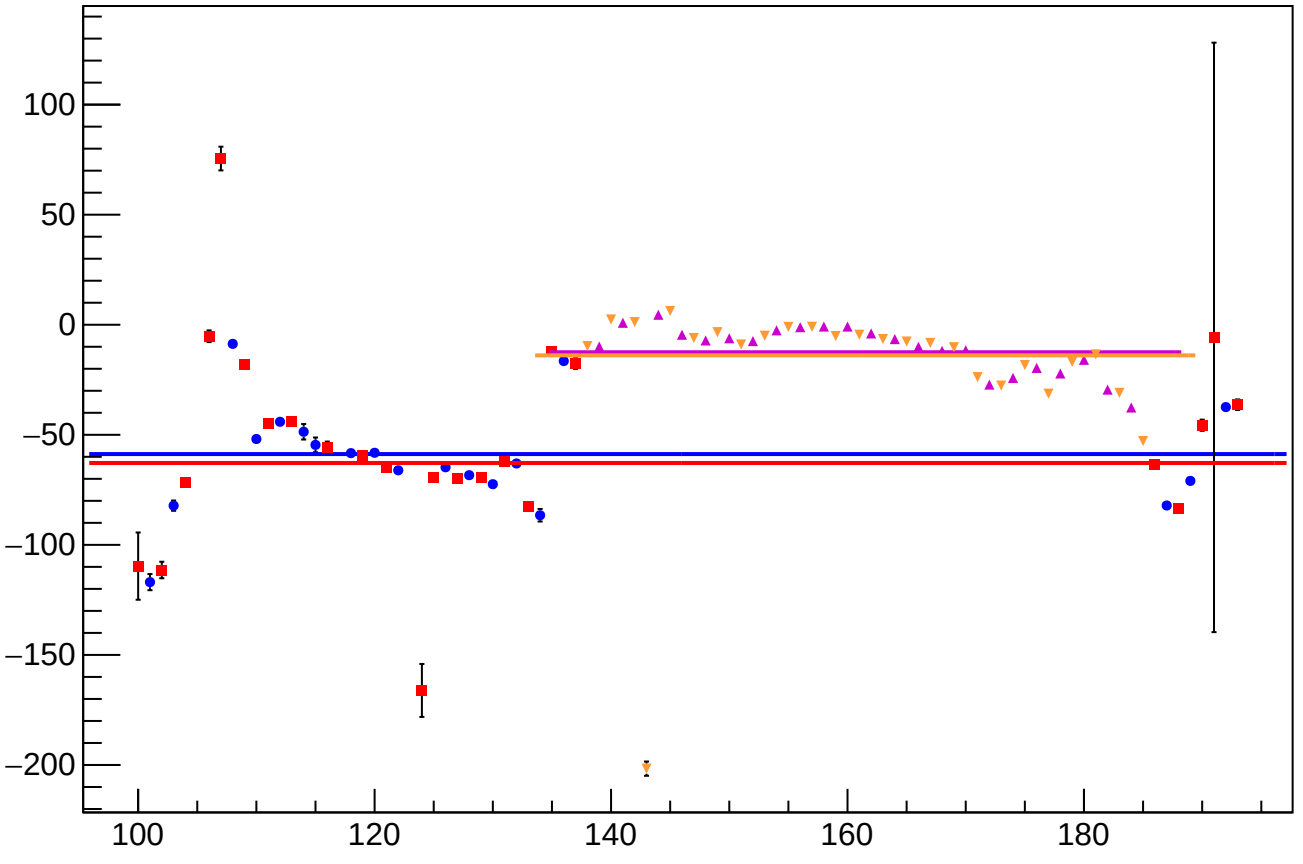
Right Out: 0.455+/-0.378 χ^2/NDF: 327.1/23

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.423+/-0.183 χ^2/NDF: 695.3/43

All: 1.503+/-0.130 χ^2/NDF: 1275.1/90

\- sign 1.583+/-0.184 χ^2/NDF: 579.5/46



Right In: -58.751+/-0.405 χ^2/NDF: 3197.9/18

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

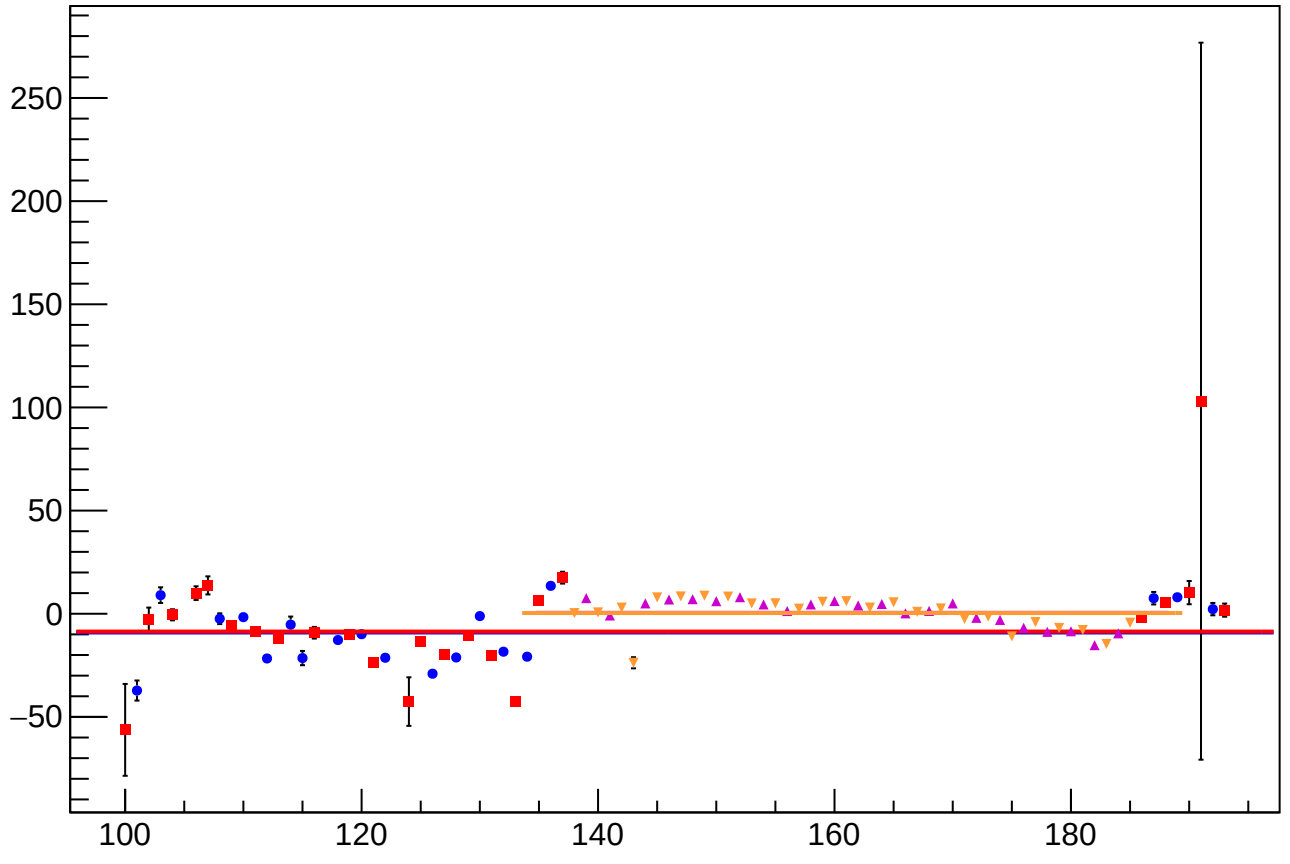
Right Out: -62.795+/-0.324 χ^2/NDF: 5096.0/23

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -27.315+/-0.222 χ^2/NDF: 16906.7/43

All: -30.362+/-0.151 χ^2/NDF: 38081.9/90

- sign -33.013+/-0.207 χ^2/NDF: 20821.9/46



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: -8.634+/-0.458 χ^2/NDF: 821.9/23

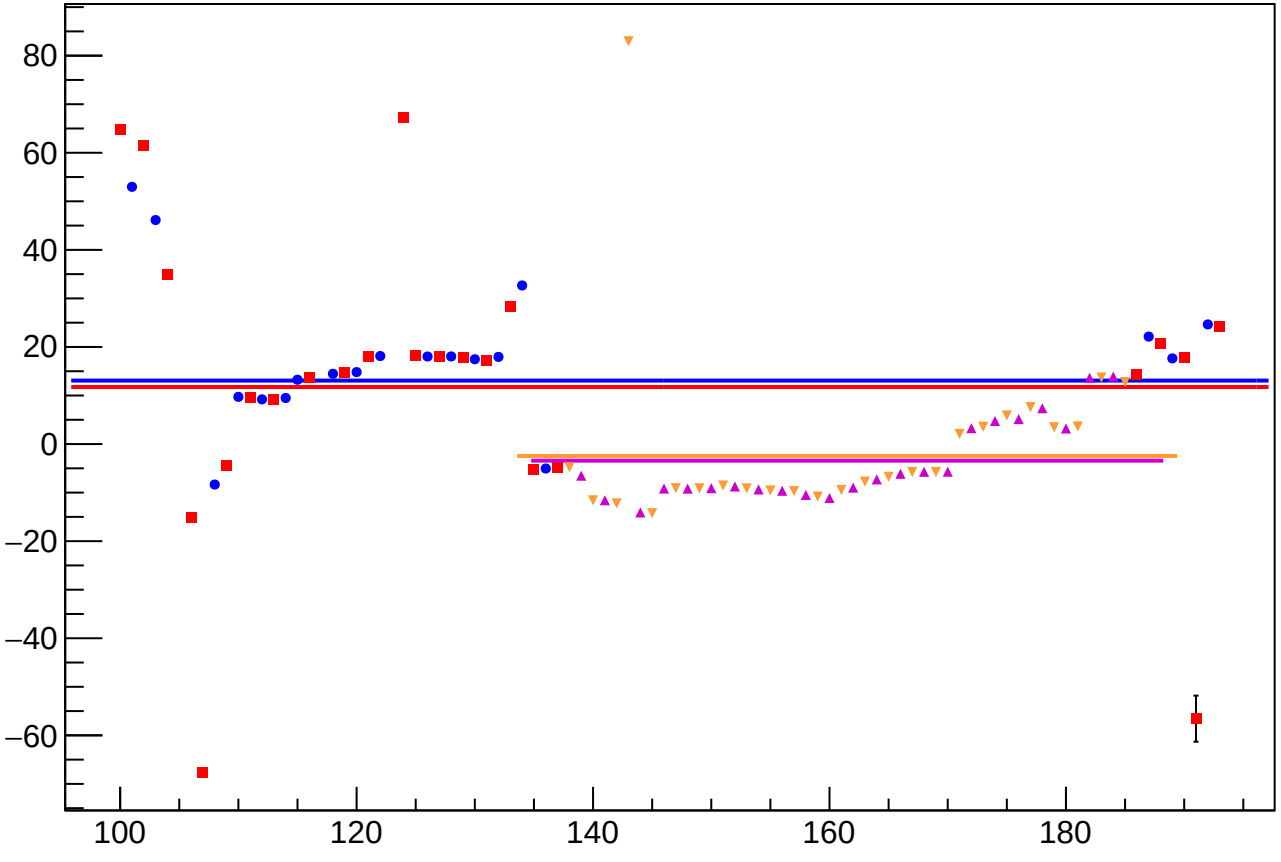
Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.425+/-0.208 χ^2/NDF: 2008.5/43

All: -1.449+/-0.148 χ^2/NDF: 3921.4/90

- sign -1.474+/-0.210 χ^2/NDF: 1912.8/46

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

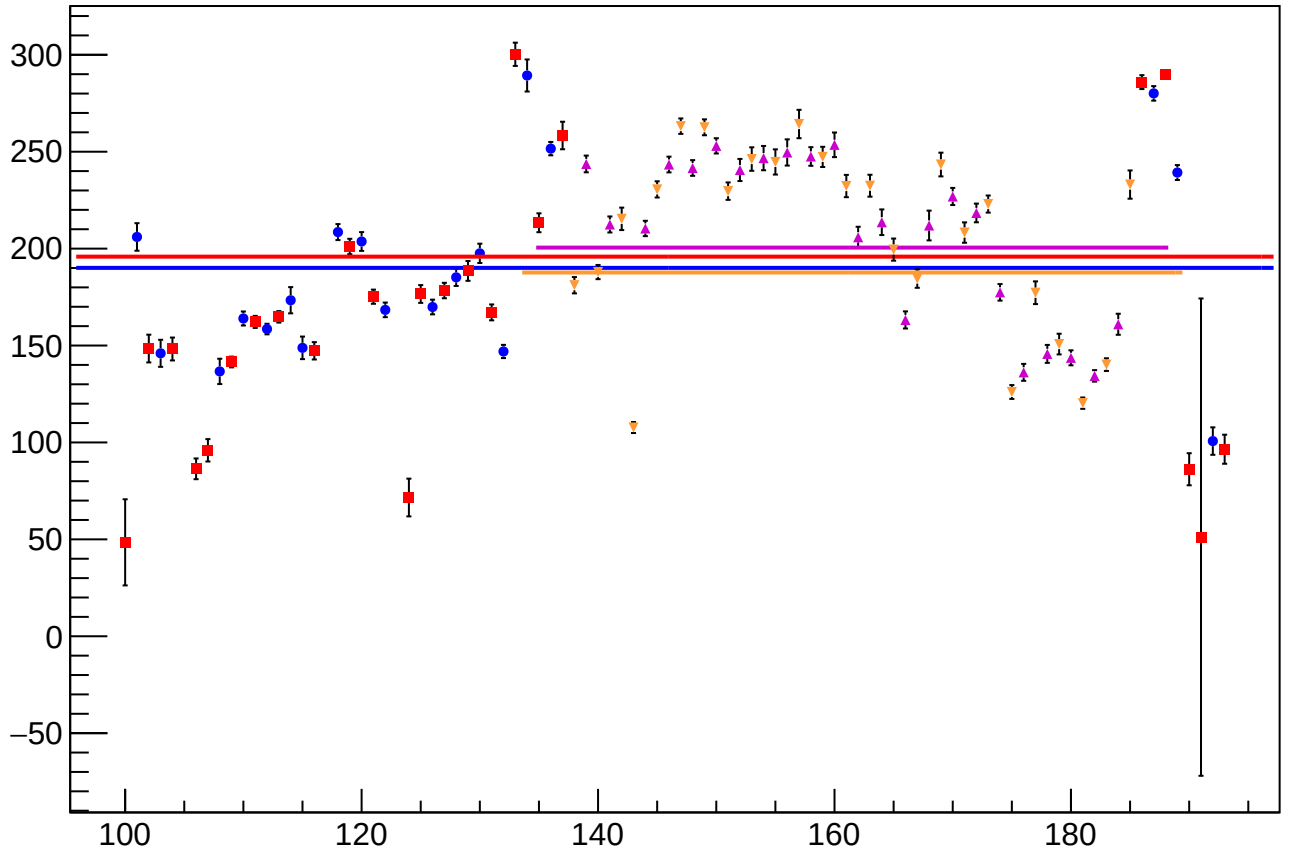
Right Out: 11.750+/-0.027 χ^2/NDF: 476072.5/23

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign -0.488+/-0.010 χ^2/NDF: 1619036.1/43

All: -0.954+/-0.007 χ^2/NDF: 2923904.6/90

- sign -1.425+/-0.010 χ^2/NDF: 1300202.2/46



Right In: 190.074+/-1.000 χ^2/NDF: 1967.8/18

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

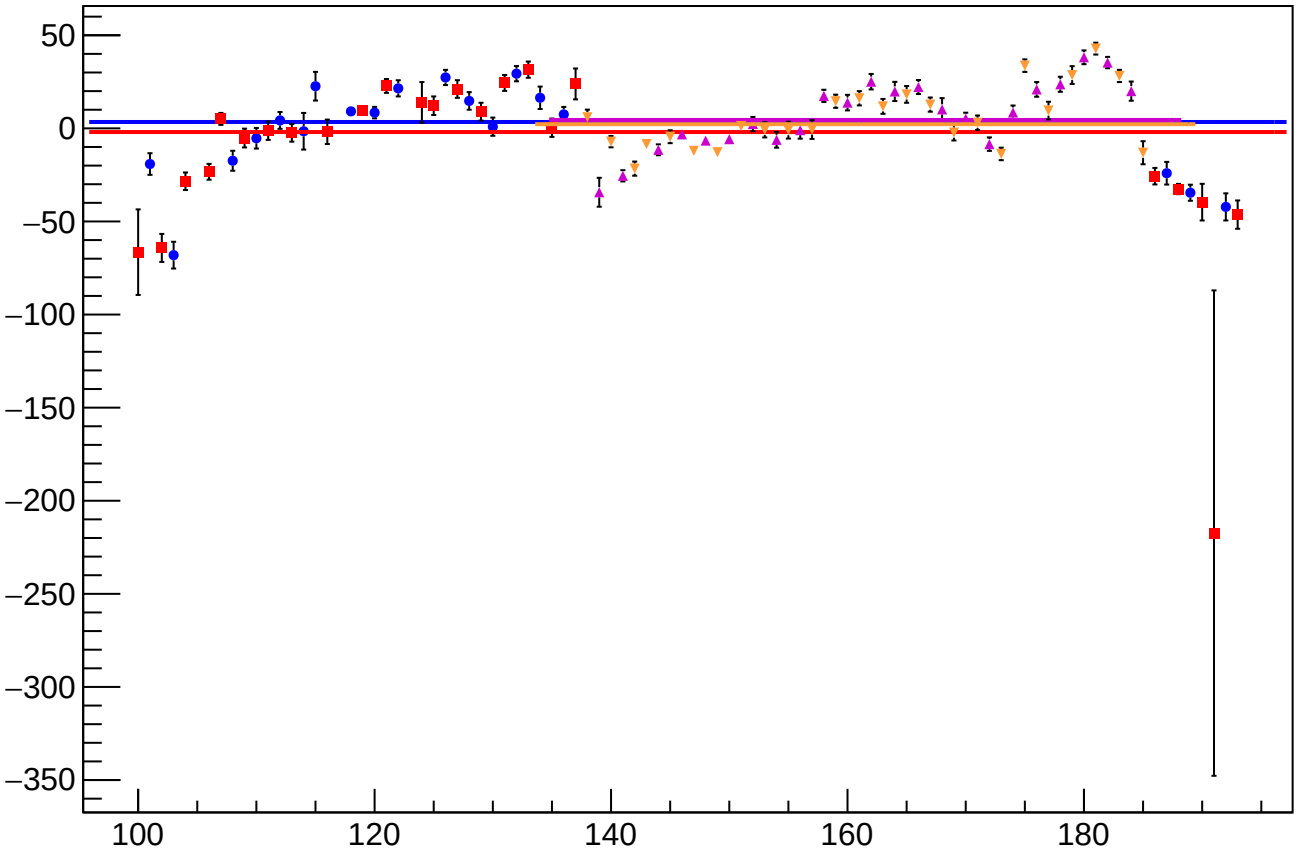
Right Out: 195.862+/-0.869 χ^2/NDF: 5512.0/23

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.749+/-0.668 χ^2/NDF: 5499.3/43

All: 193.538+/-0.463 χ^2/NDF: 13234.7/90

- sign 197.971+/-0.643 χ^2/NDF: 7636.4/46



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: -1.973+/-0.955 χ^2/NDF: 552.3/23

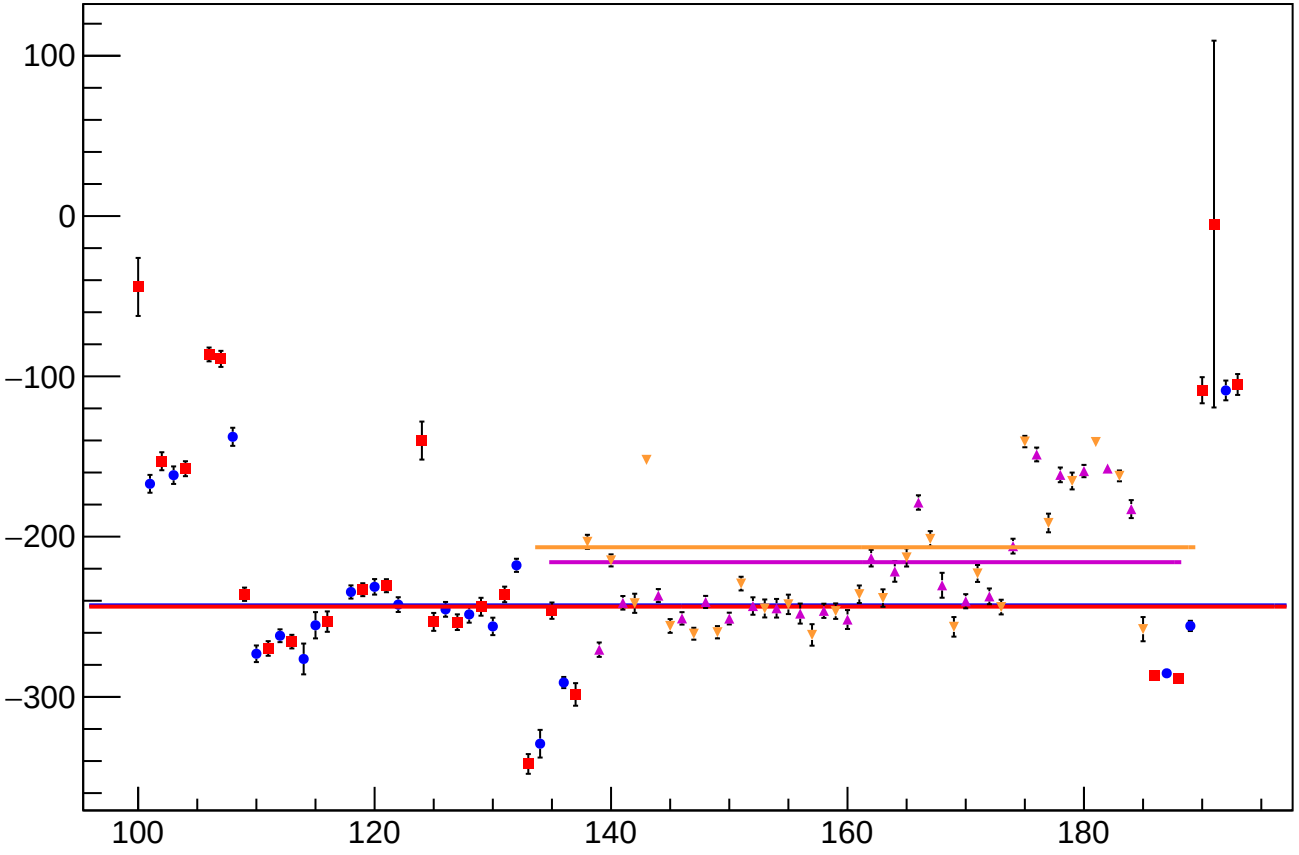
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.583+/-0.562 χ^2/NDF: 988.4/43

All: 2.389+/-0.401 χ^2/NDF: 2117.6/90

- sign 2.187+/-0.572 χ^2/NDF: 1129.0/46

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: -243.666+/-0.884 χ^2/NDF: 5248.5/23

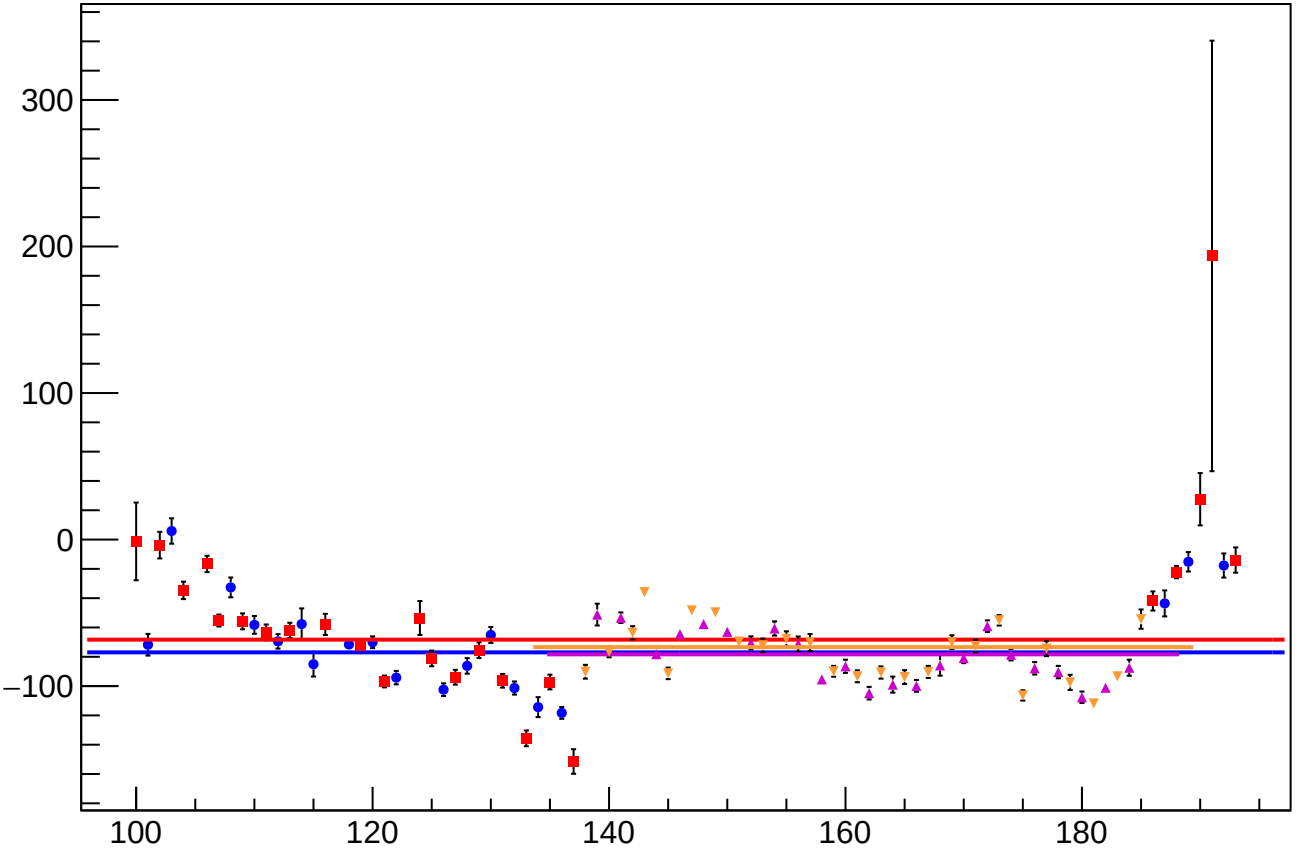
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.544+/-0.686 χ^2/NDF: 4992.8/43

All: -226.422+/-0.470 χ^2/NDF: 12507.1/90

- sign -230.744+/-0.646 χ^2/NDF: 7419.0/46

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -76.984+/-1.236 χ^2/NDF: 531.5/18

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

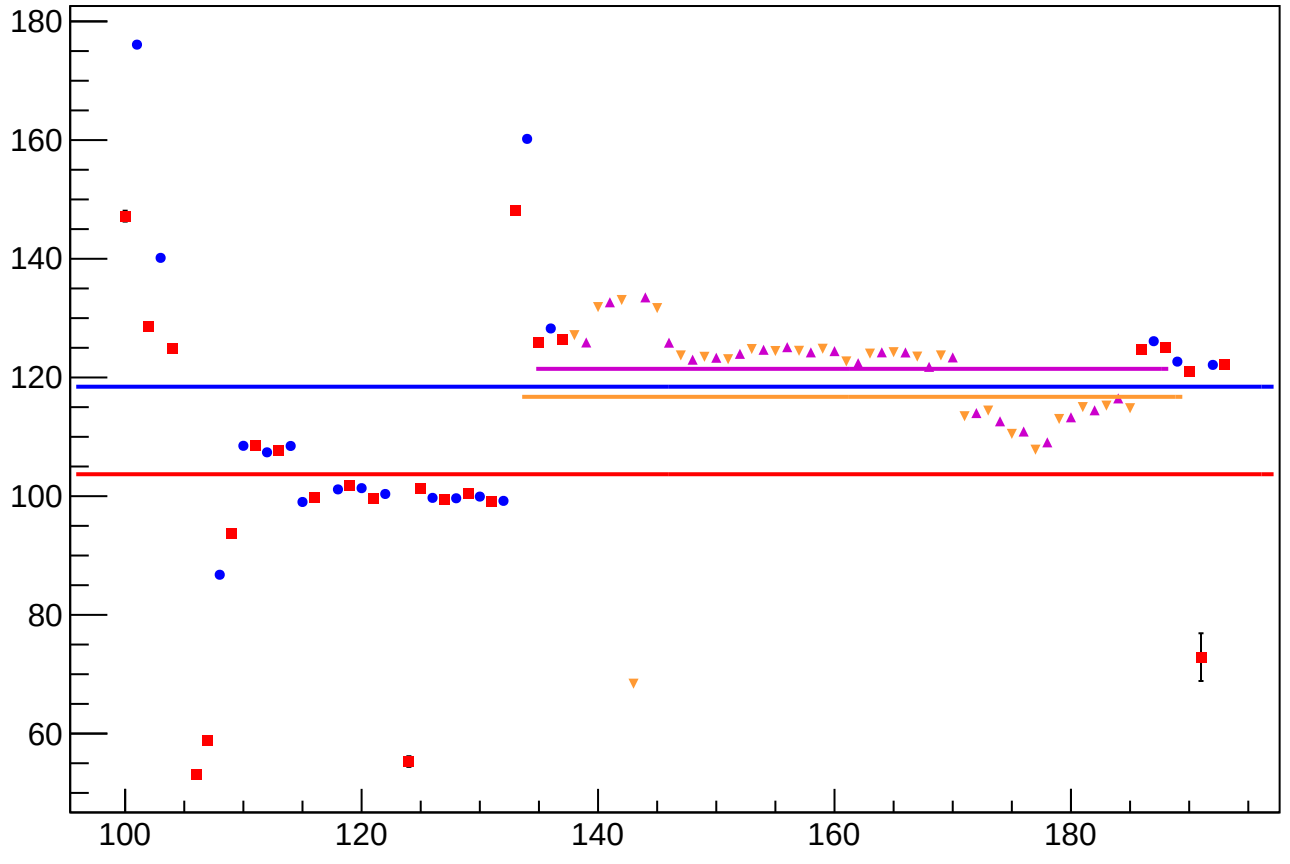
Right Out: -68.301+/-1.148 χ^2/NDF: 816.2/23

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -74.415+/-0.652 χ^2/NDF: 1374.0/43

All: -74.679+/-0.466 χ^2/NDF: 2684.4/90

\- sign -74.955+/-0.666 χ^2/NDF: 1310.1/46



Right In: 118.446+/-0.072 χ^2/NDF: 96113.3/18

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

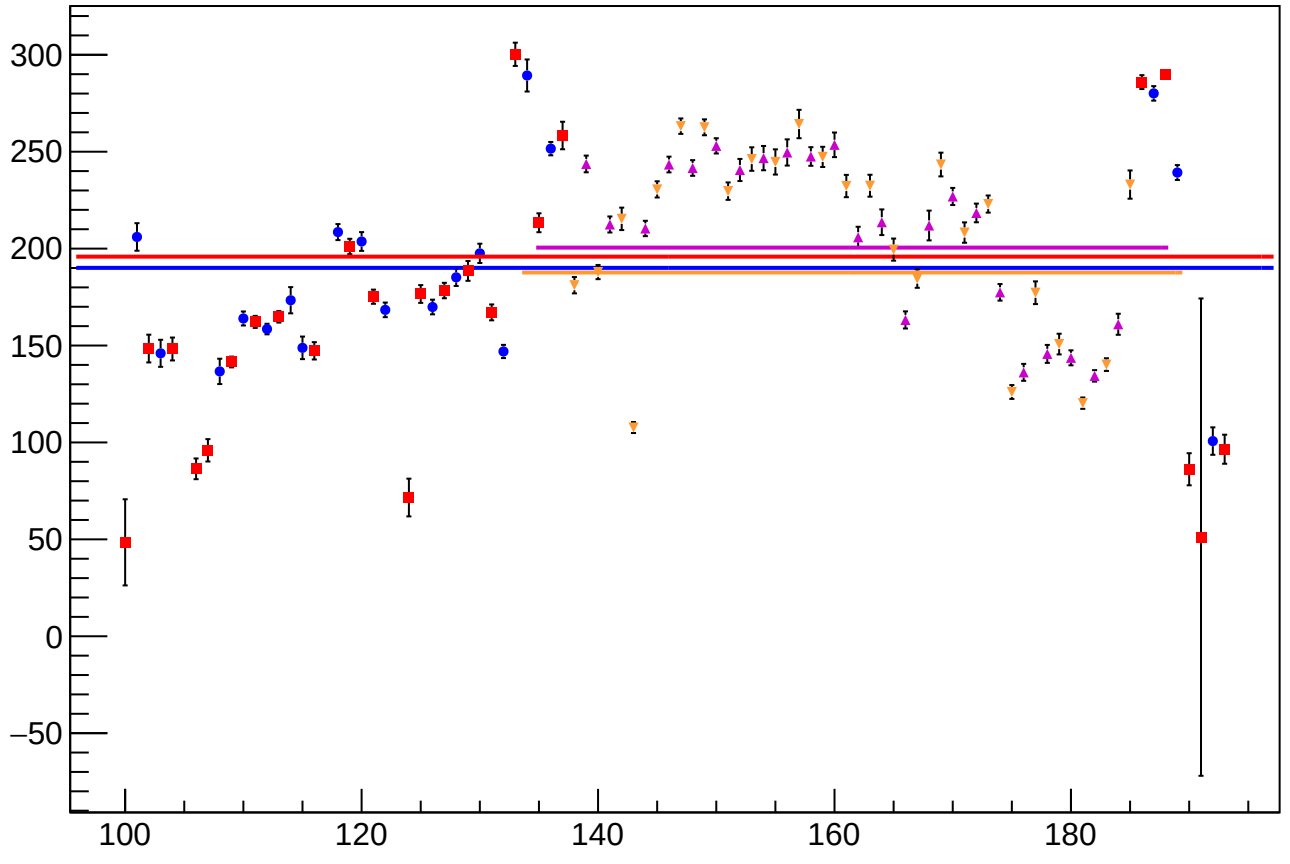
Right Out: 103.697+/-0.064 χ^2/NDF: 186411.2/23

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.078+/-0.032 χ^2/NDF: 300212.5/43

All: 117.020+/-0.023 χ^2/NDF: 572859.4/90

- sign 116.963+/-0.032 χ^2/NDF: 272640.5/46



Right In: 190.074+/-1.000 χ^2/NDF: 1967.8/18

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

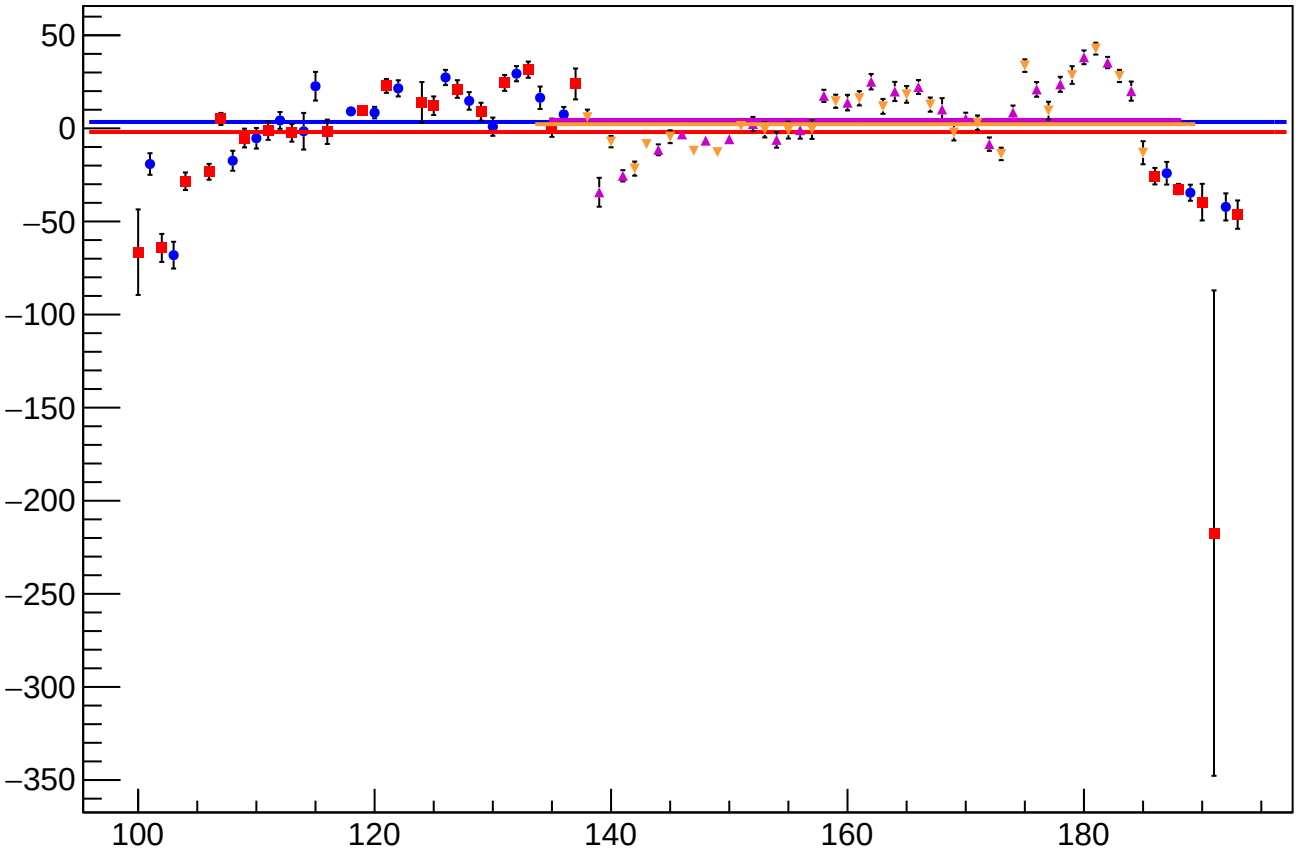
Right Out: 195.862+/-0.869 χ^2/NDF: 5512.0/23

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.749+/-0.668 χ^2/NDF: 5499.3/43

All: 193.538+/-0.463 χ^2/NDF: 13234.7/90

- sign 197.971+/-0.643 χ^2/NDF: 7636.4/46



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: -1.973+/-0.955 χ^2/NDF: 552.3/23

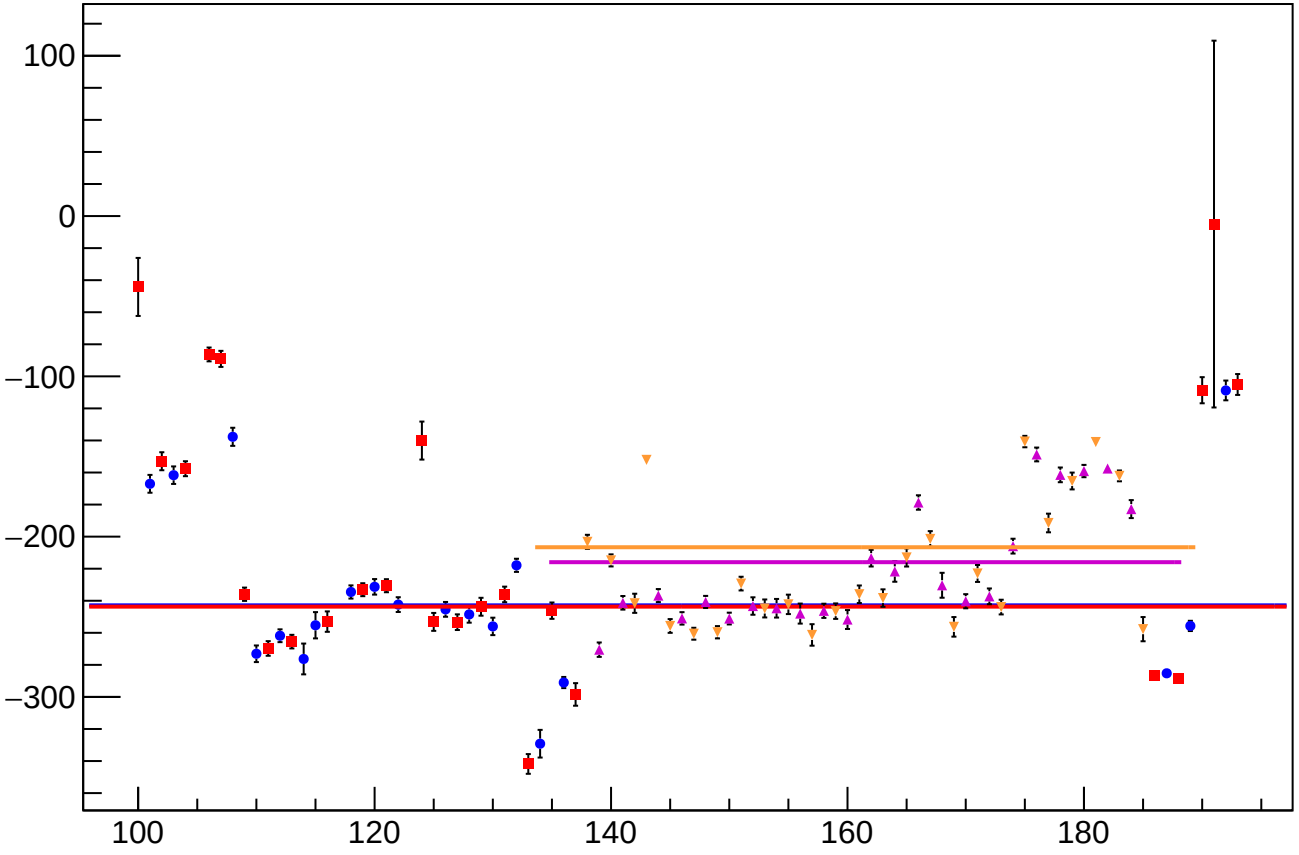
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.583+/-0.562 χ^2/NDF: 988.4/43

All: 2.389+/-0.401 χ^2/NDF: 2117.6/90

- sign 2.187+/-0.572 χ^2/NDF: 1129.0/46

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

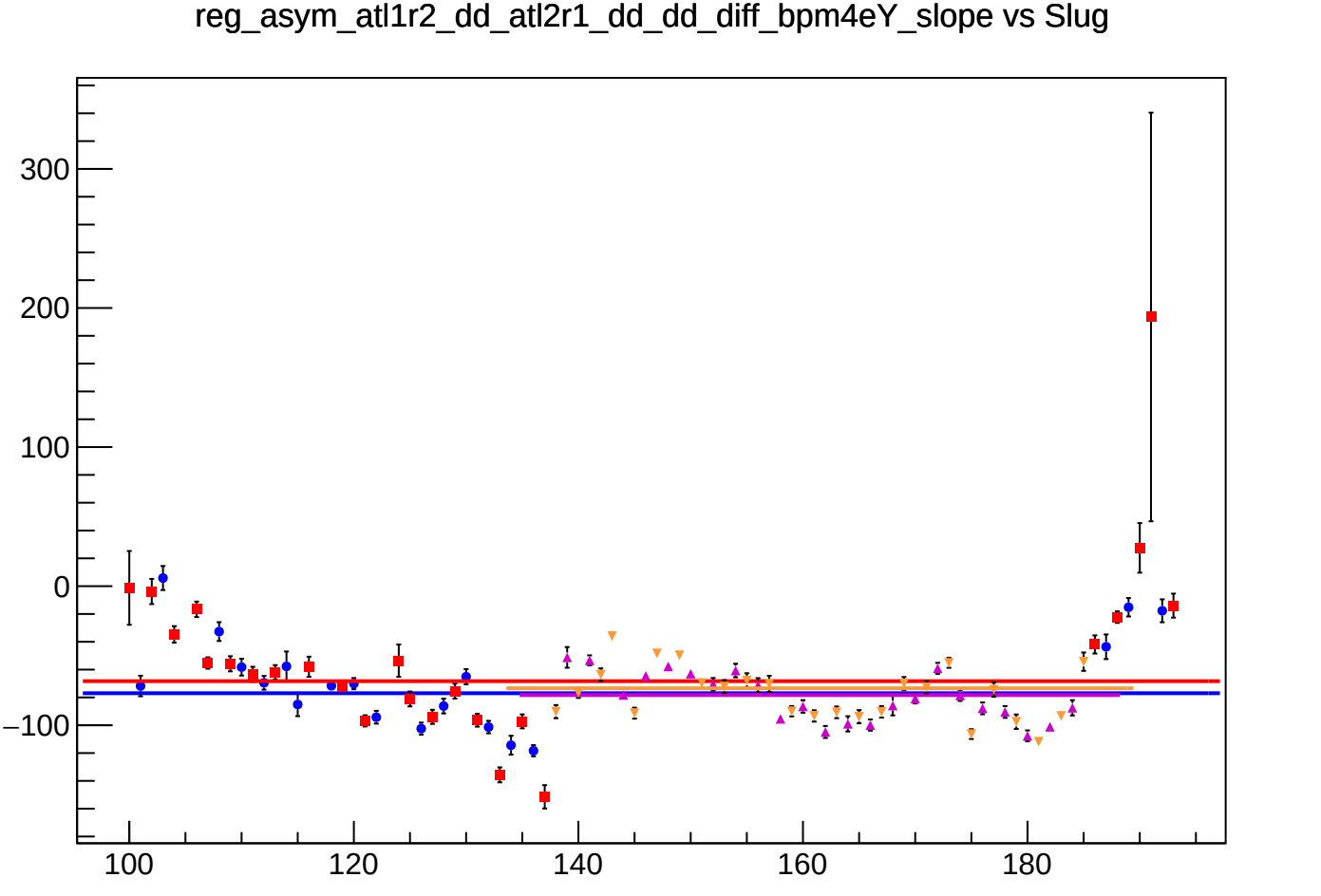
Right Out: -243.666+/-0.884 χ^2/NDF: 5248.5/23

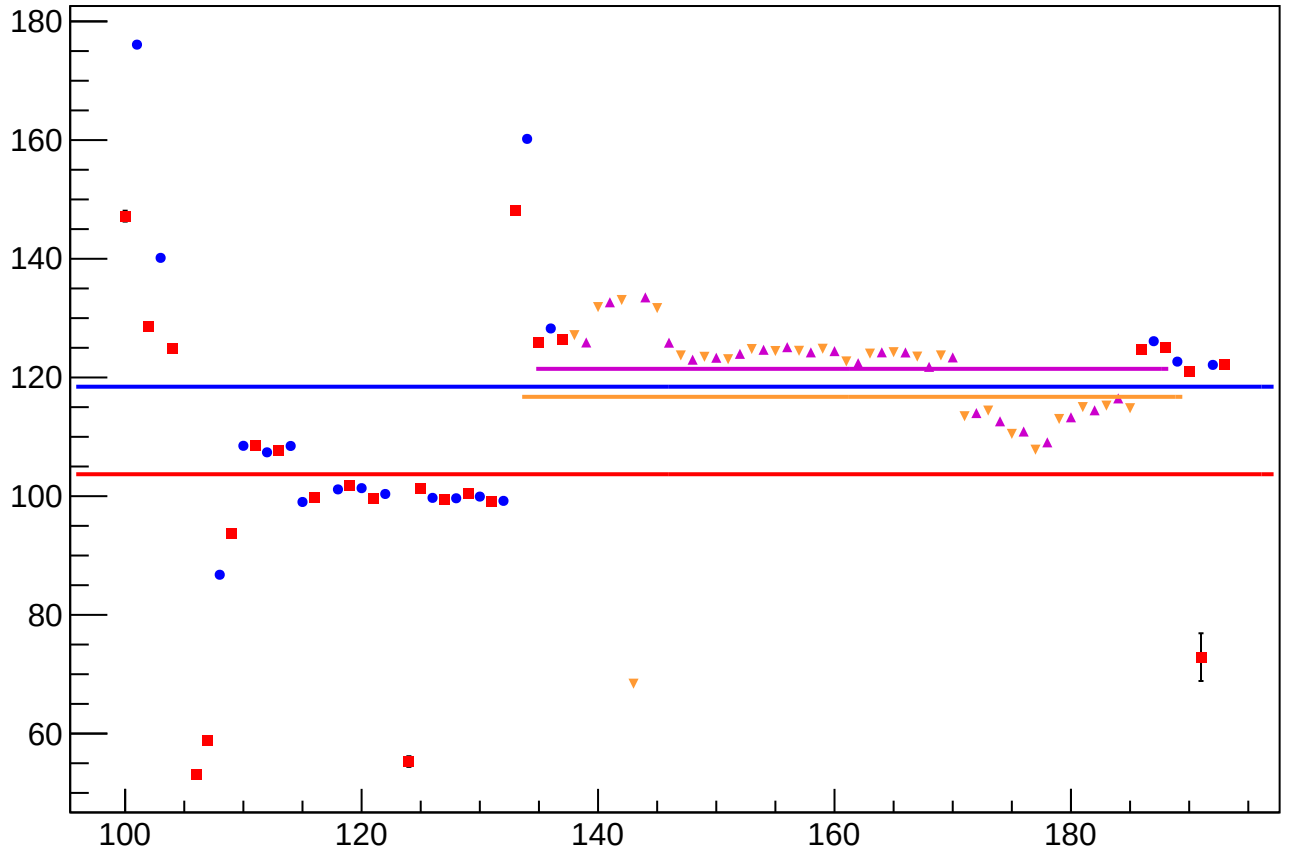
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.544+/-0.686 χ^2/NDF: 4992.8/43

All: -226.422+/-0.470 χ^2/NDF: 12507.1/90

- sign -230.744+/-0.646 χ^2/NDF: 7419.0/46


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: -68.301+/-1.148 χ2/NDF: 816.2/23
Left In: -78.329+/-0.817 χ2/NDF:443.2/22
+ sign -74.415+/-0.652 χ2/NDF: 1374.0/43
All: -74.679+/-0.466 χ2/NDF: 2684.4/90
- sign -74.955+/-0.666 χ2/NDF: 1310.1/46



Right In: 118.446+/-0.072 χ^2/NDF: 96113.3/18

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

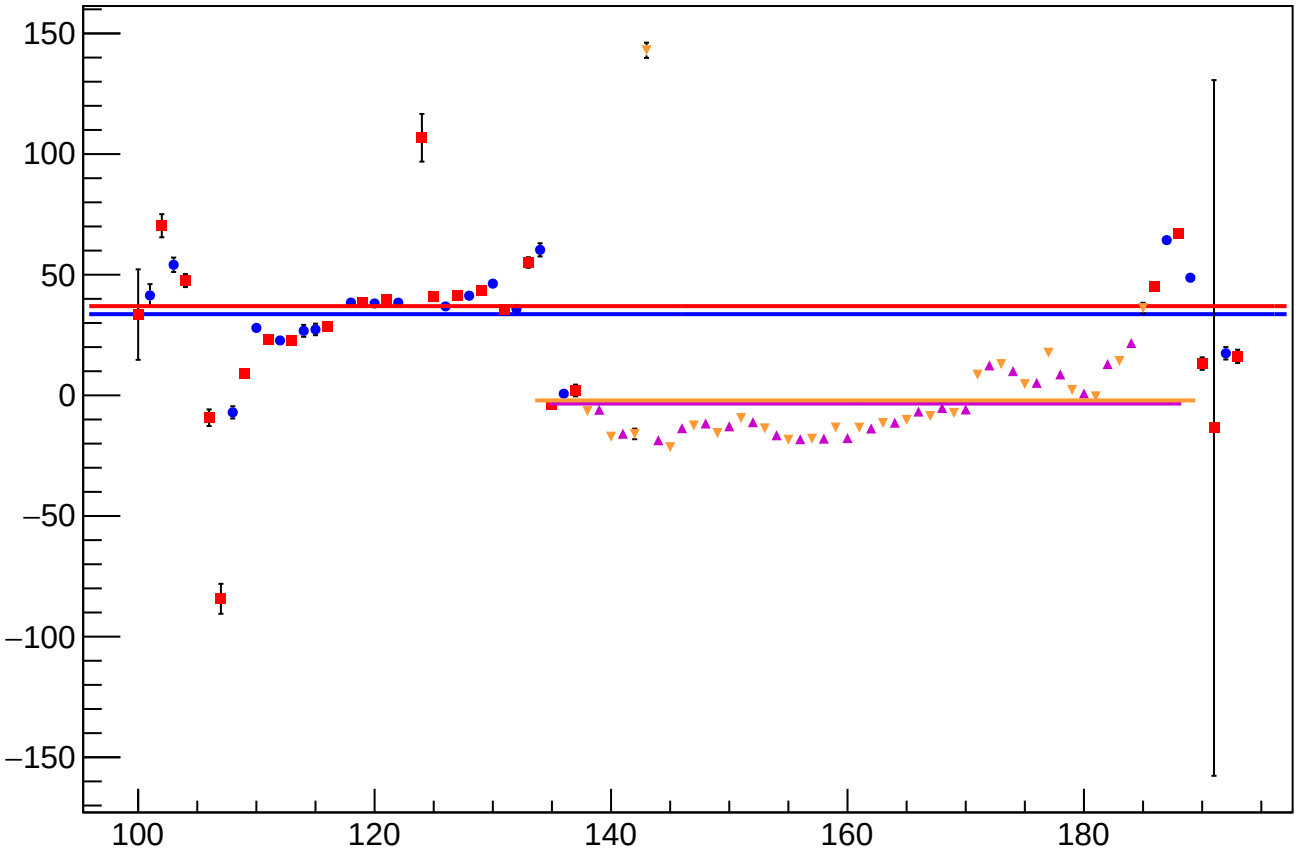
Right Out: 103.697+/-0.064 χ^2/NDF: 186411.2/23

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.078+/-0.032 χ^2/NDF: 300212.5/43

All: 117.020+/-0.023 χ^2/NDF: 572859.4/90

- sign 116.963+/-0.032 χ^2/NDF: 272640.5/46



Right In: 33.647+/-0.382 χ^2/NDF: 2191.8/18

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

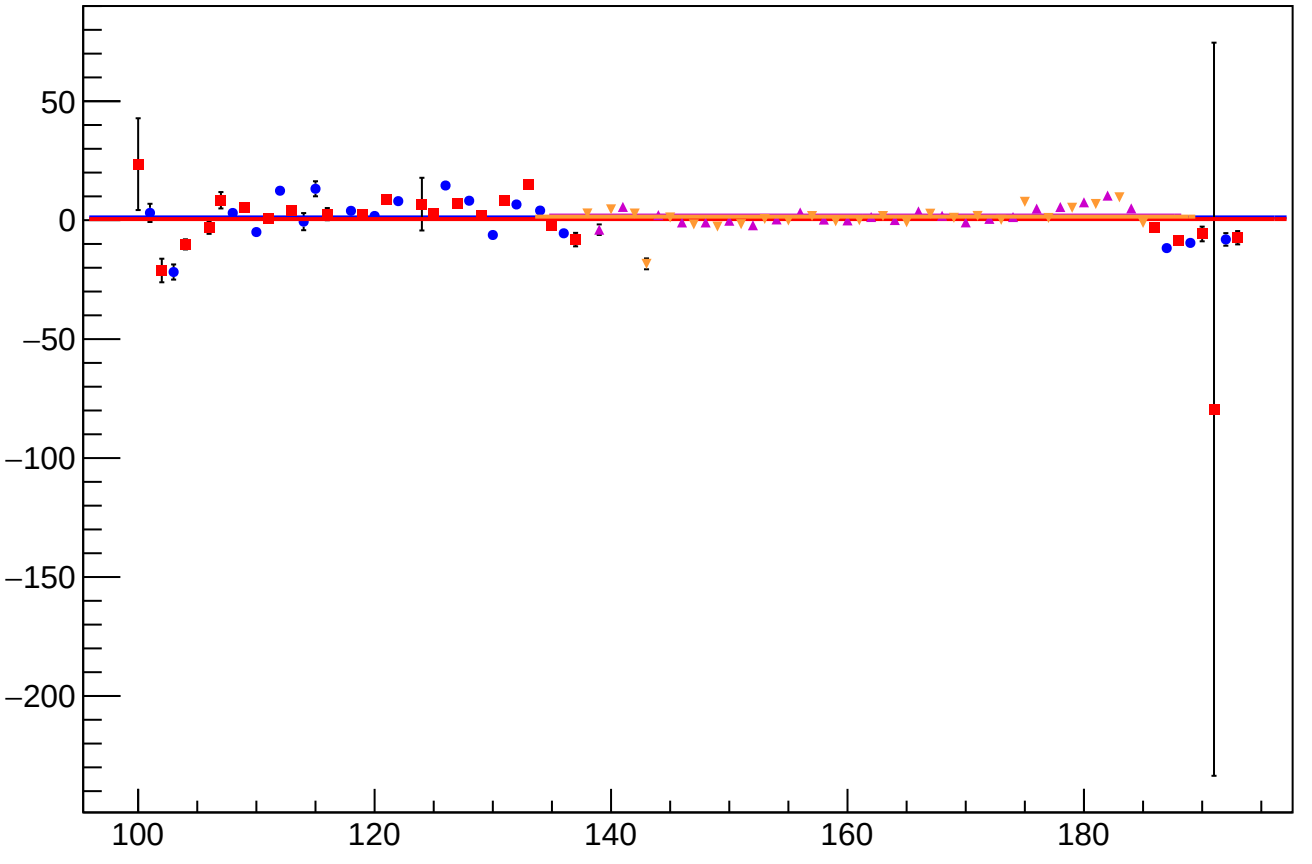
Right Out: 36.981+/-0.326 χ^2/NDF: 4438.4/23

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 9.634+/-0.219 χ^2/NDF: 12281.0/43

All: 11.460+/-0.151 χ^2/NDF: 27663.7/90

- sign 13.122+/-0.209 χ^2/NDF: 15249.4/46



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: 0.455+/-0.378 χ^2/NDF: 327.1/23

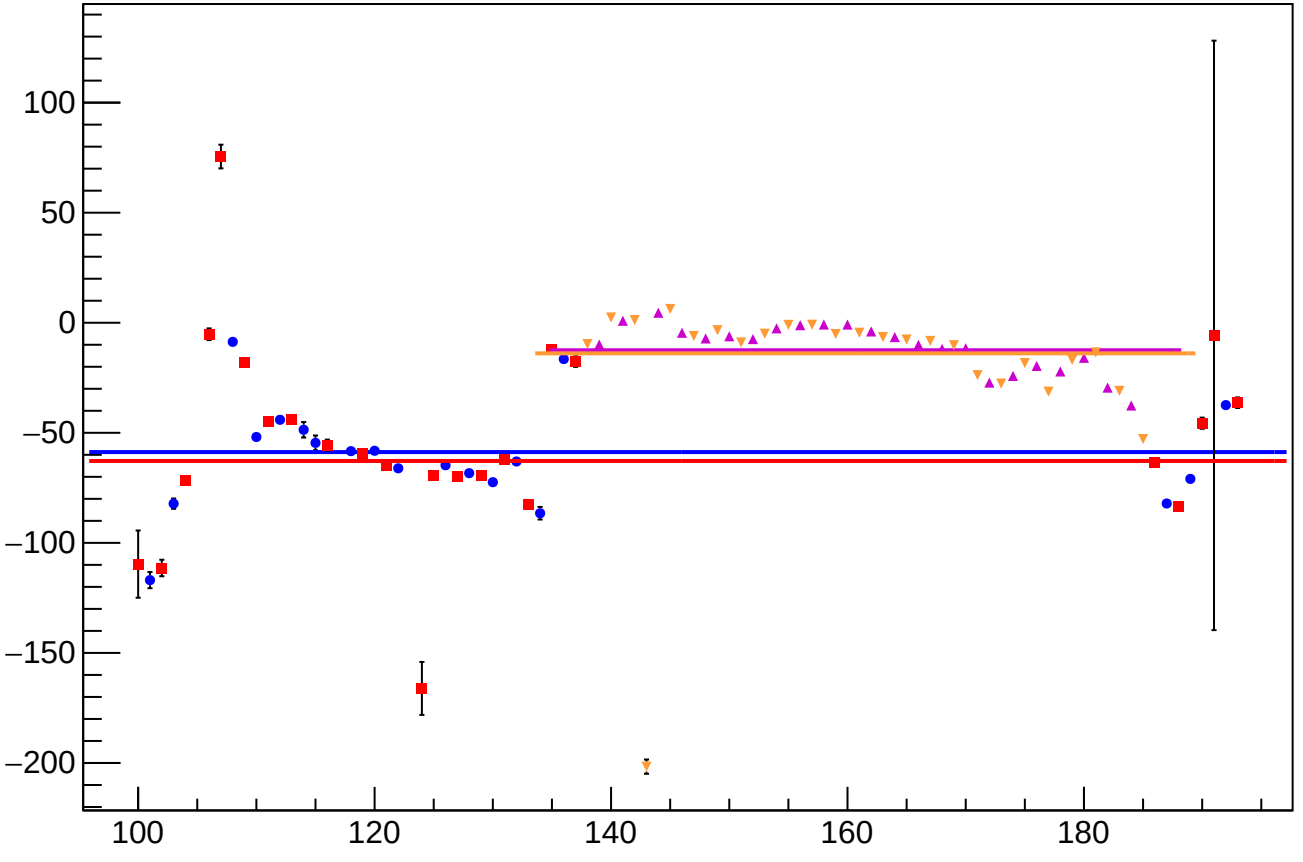
Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.423+/-0.183 χ^2/NDF: 695.3/43

All: 1.503+/-0.130 χ^2/NDF: 1275.1/90

- sign 1.583+/-0.184 χ^2/NDF: 579.5/46

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

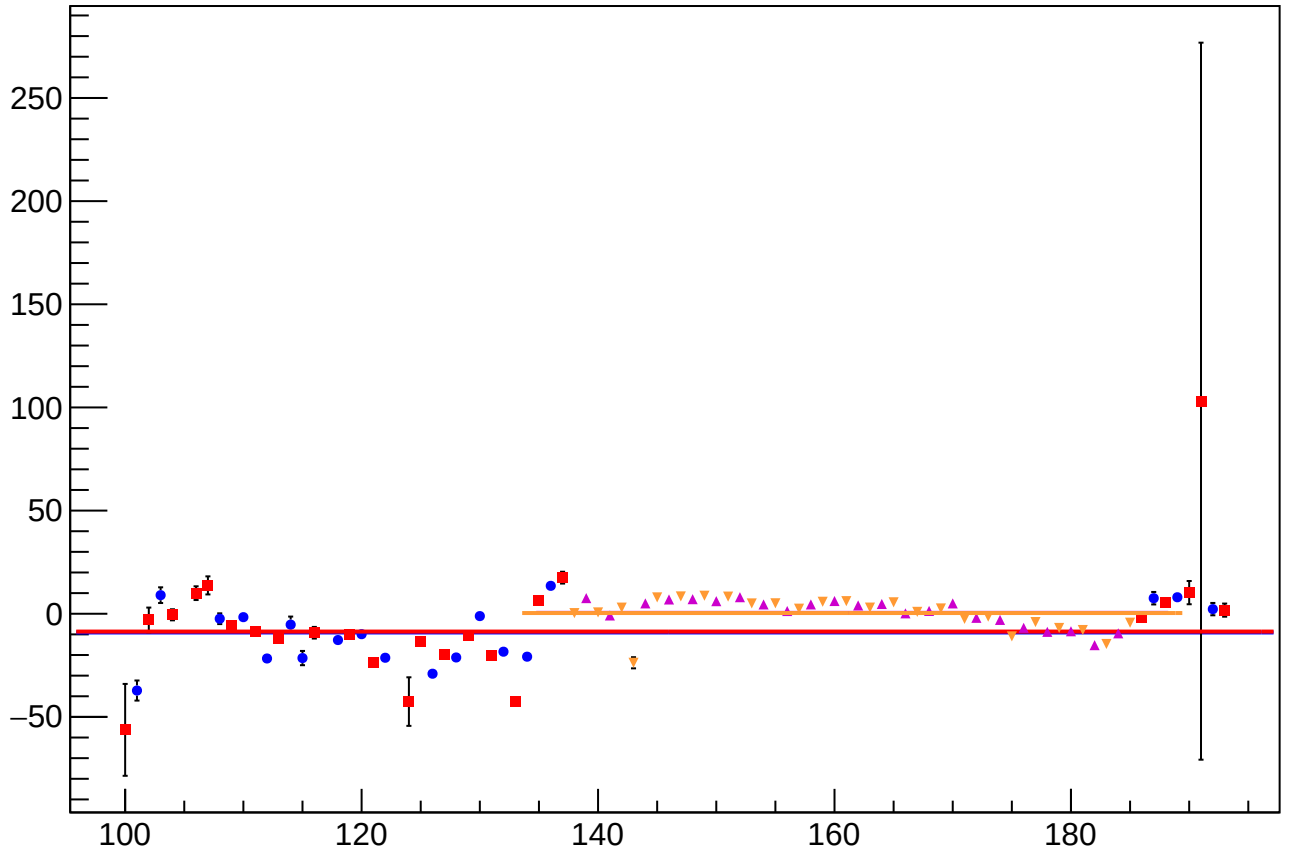
Right Out: -62.795+/-0.324 χ^2/NDF: 5096.0/23

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -27.315+/-0.222 χ^2/NDF: 16906.7/43

All: -30.362+/-0.151 χ^2/NDF: 38081.9/90

\- sign -33.013+/-0.207 χ^2/NDF: 20821.9/46



Right In: -9.076+/-0.481 χ^2/NDF: 775.1/18

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

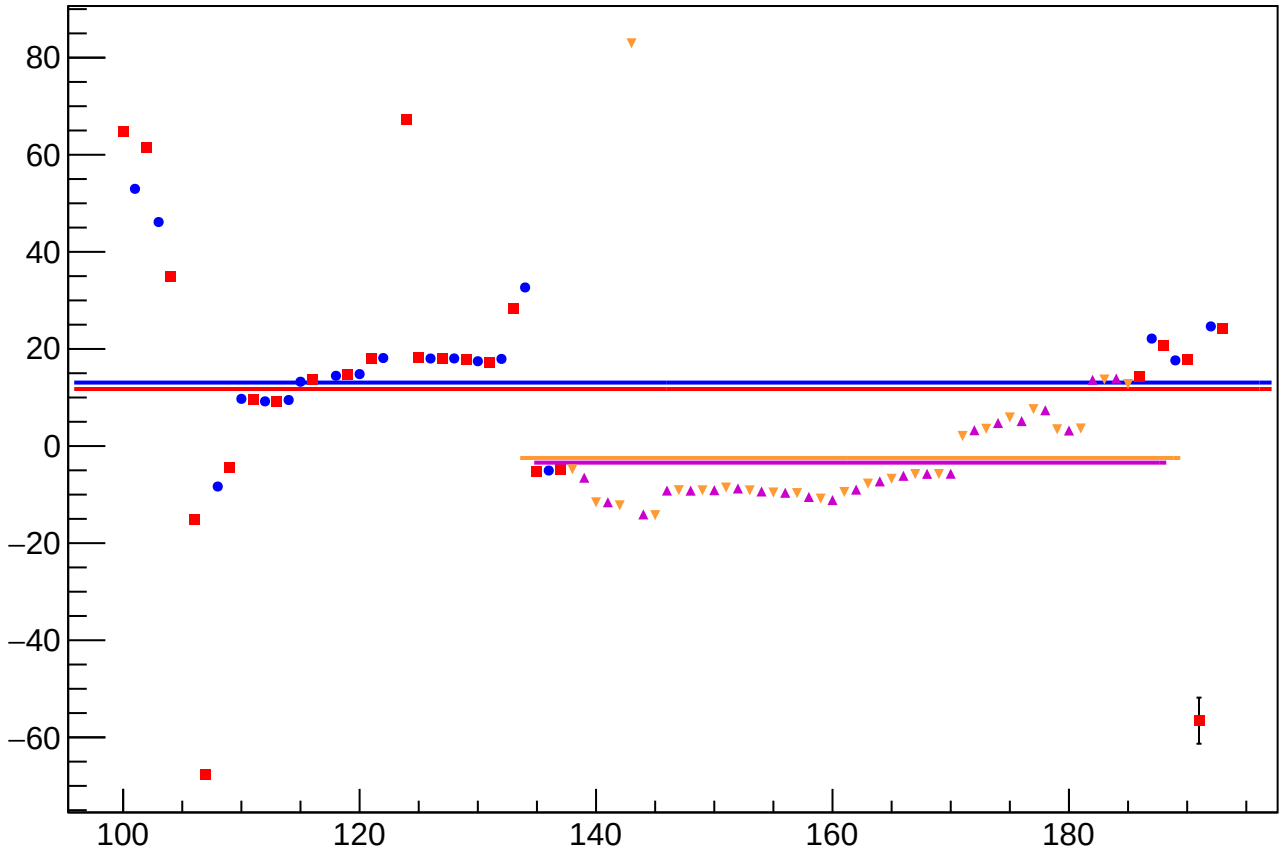
Right Out: -8.634+/-0.458 χ^2/NDF: 821.9/23

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.425+/-0.208 χ^2/NDF: 2008.5/43

All: -1.449+/-0.148 χ^2/NDF: 3921.4/90

- sign -1.474+/-0.210 χ^2/NDF: 1912.8/46



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: 11.750+/-0.027 χ^2/NDF: 476072.5/23

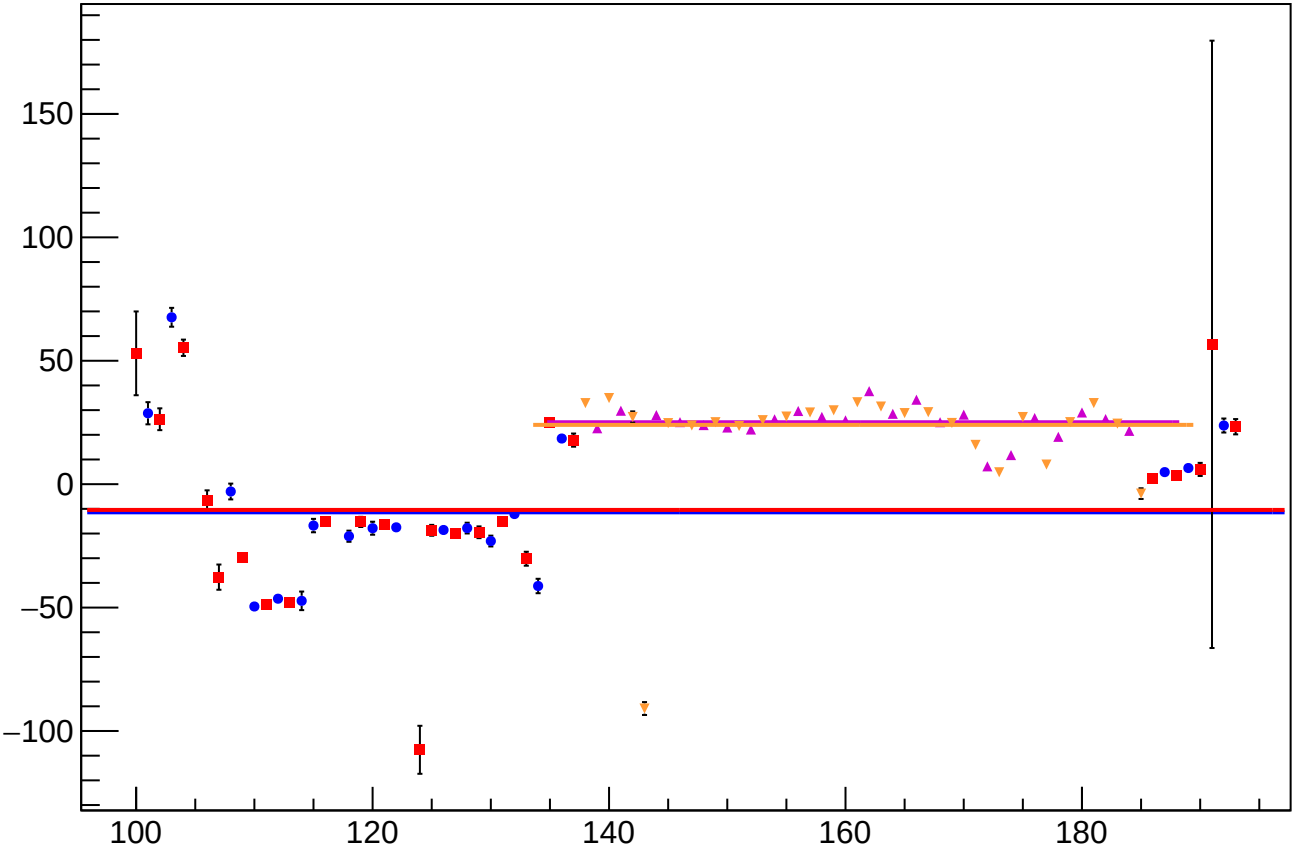
Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign -0.488+/-0.010 χ^2/NDF: 1619036.1/43

All: -0.954+/-0.007 χ^2/NDF: 2923904.6/90

- sign -1.425+/-0.010 χ^2/NDF: 1300202.2/46

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: -10.435+/-0.433 χ^2/NDF: 2756.0/23

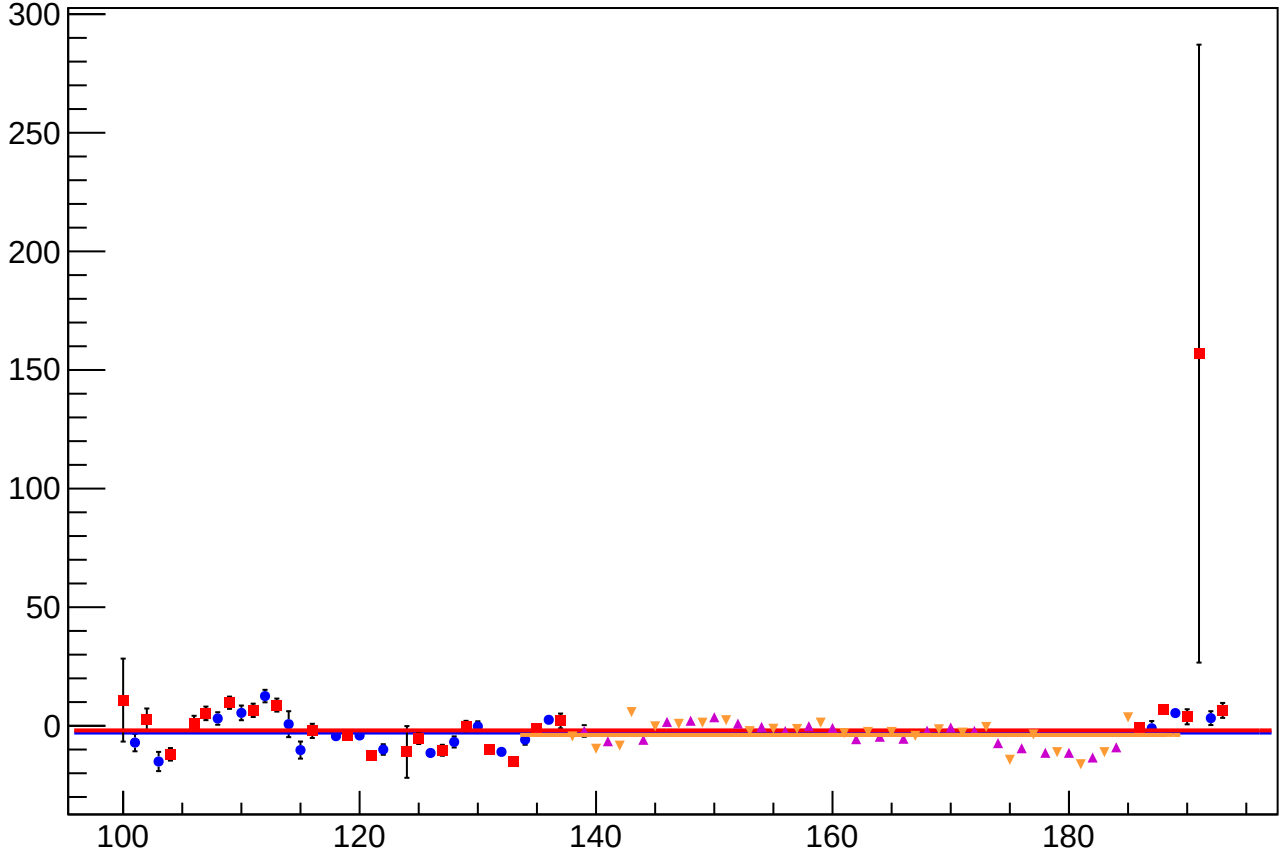
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.278+/-0.245 χ^2/NDF: 9195.7/43

All: 14.740+/-0.171 χ^2/NDF: 17134.2/90

- sign 14.227+/-0.239 χ^2/NDF: 7929.1/46

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

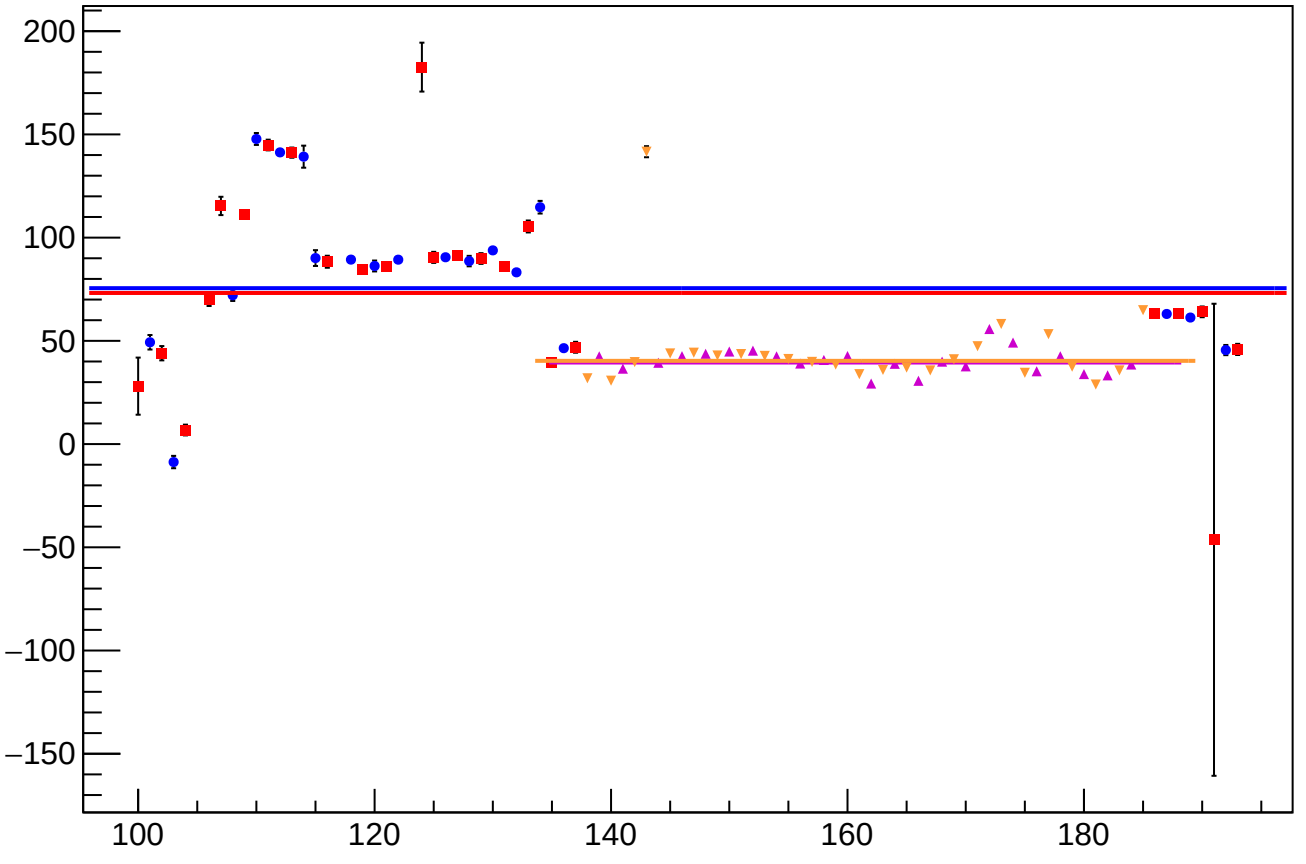
Right Out: -1.935+/-0.487 χ^2/NDF: 219.9/23

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.695+/-0.201 χ^2/NDF: 798.5/43

All: -3.578+/-0.143 χ^2/NDF: 1540.7/90

- sign -3.459+/-0.203 χ^2/NDF: 741.5/46



Right In: 75.520+/-0.522 χ^2/NDF: 3605.9/18

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

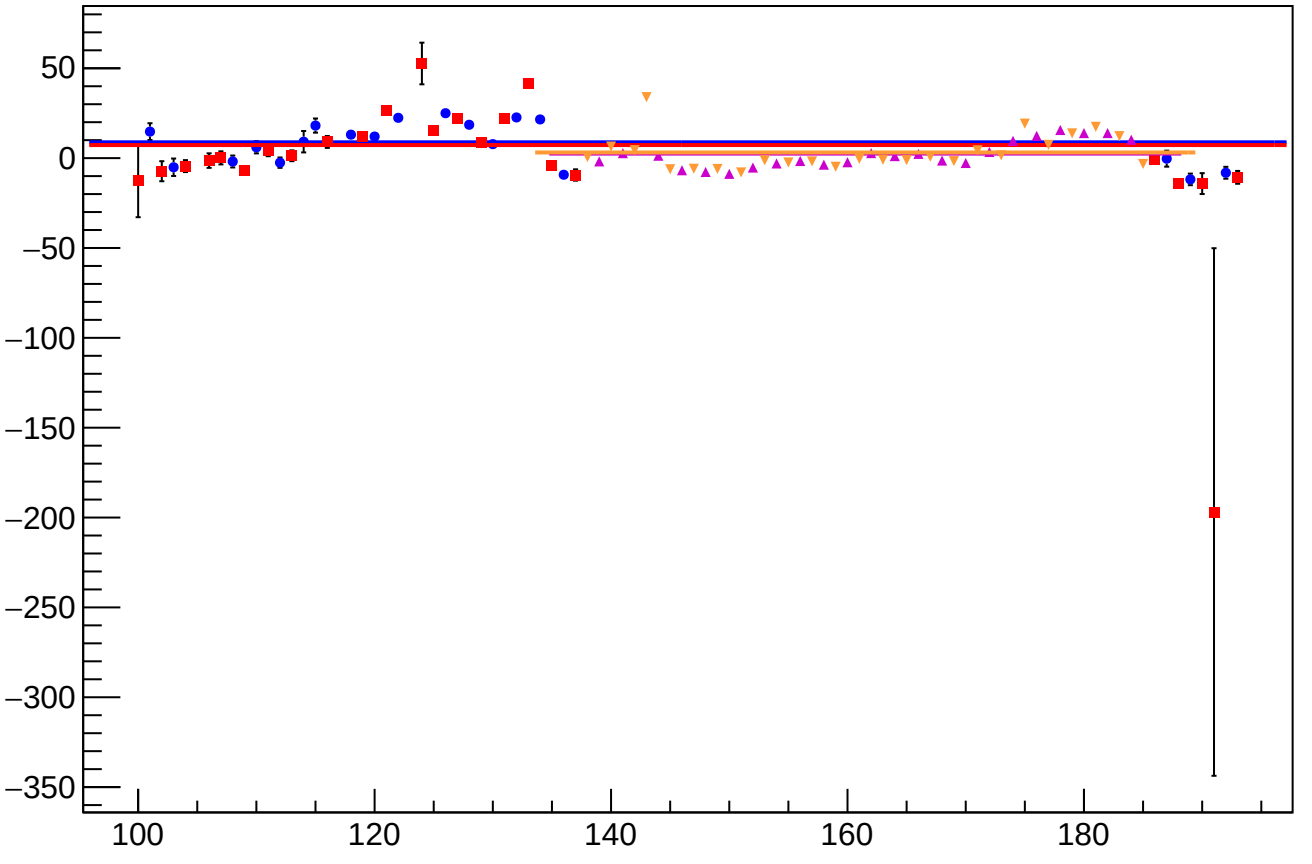
Right Out: 73.193+/-0.435 χ^2/NDF: 3868.1/23

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.183+/-0.247 χ^2/NDF: 9318.0/43

All: 48.916+/-0.171 χ^2/NDF: 17830.6/90

- sign 49.600+/-0.238 χ^2/NDF: 8495.6/46



Right In: 8.800+/-0.599 χ^2/NDF: 437.4/18

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

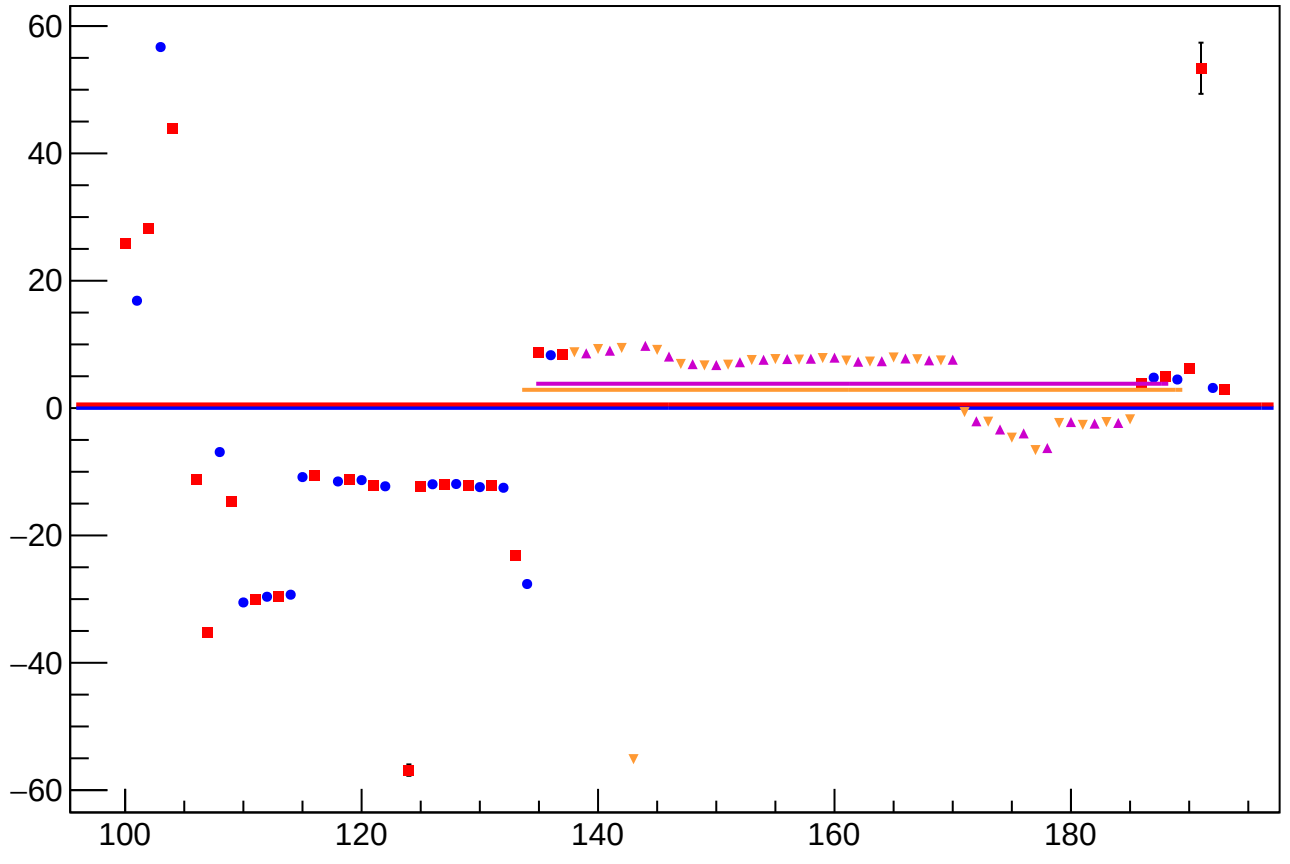
Right Out: 7.275+/-0.583 χ^2/NDF: 641.9/23

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

\+ sign 3.955+/-0.227 χ^2/NDF: 1780.8/43

All: 3.614+/-0.162 χ^2/NDF: 3451.6/90

\- sign 3.263+/-0.231 χ^2/NDF: 1666.3/46



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: 0.575+/-0.032 χ^2/NDF: 321076.2/23

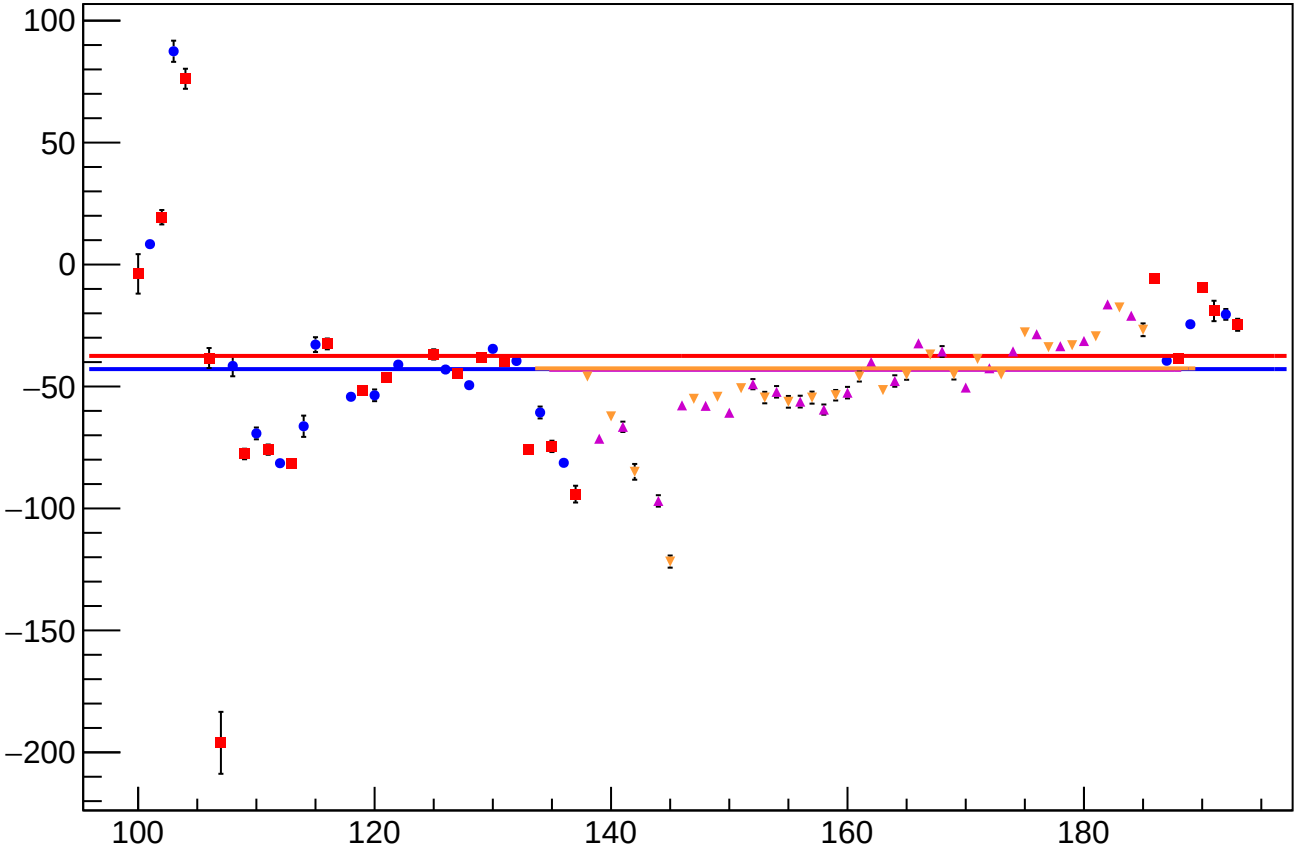
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.582+/-0.010 χ^2/NDF: 889923.6/43

All: 3.029+/-0.007 χ^2/NDF: 1456943.1/90

- sign 3.484+/-0.011 χ^2/NDF: 563297.4/46

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: -37.461+/-0.387 χ^2/NDF: 5003.2/22

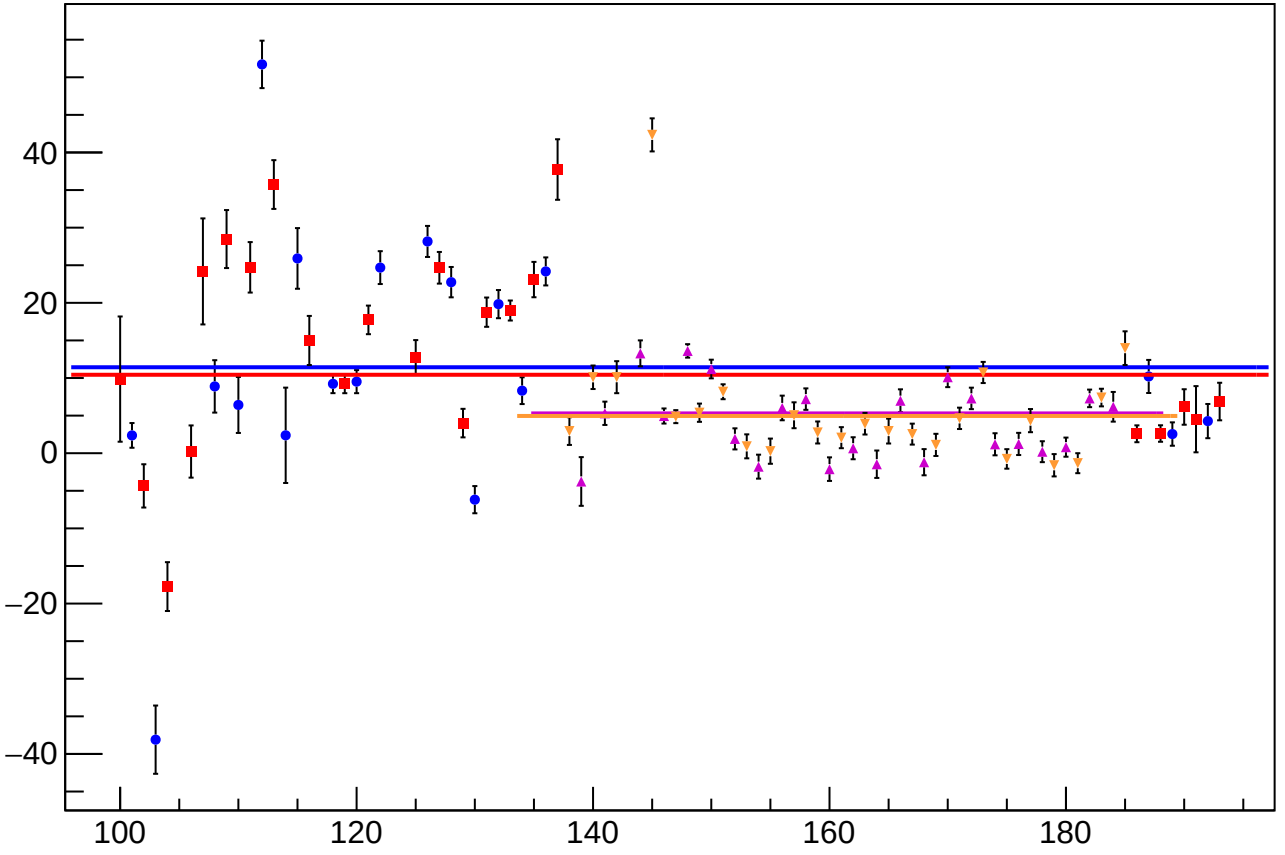
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

+ sign -42.685+/-0.292 χ^2/NDF: 5448.6/42

All: -41.434+/-0.199 χ^2/NDF: 12802.4/88

- sign -40.348+/-0.272 χ^2/NDF: 7319.4/45

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

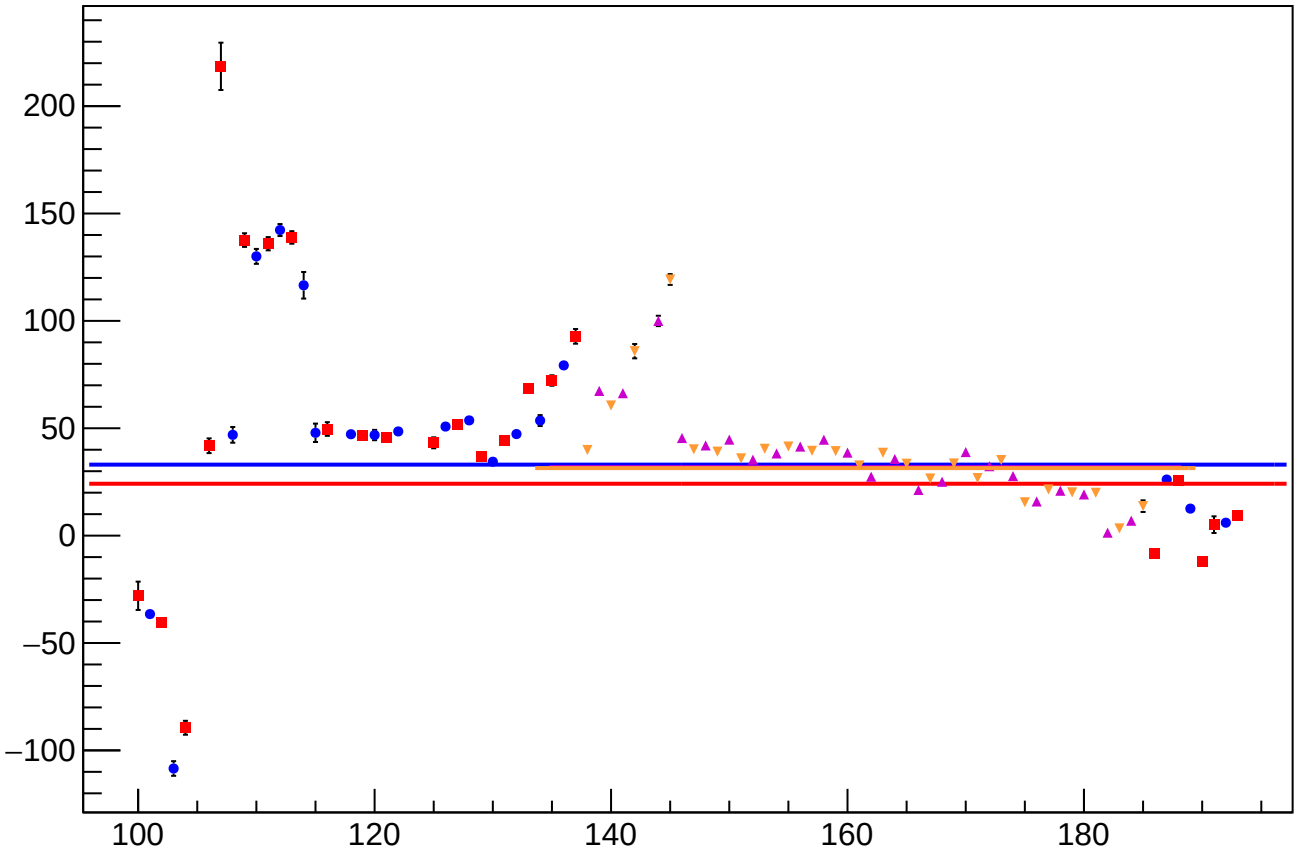
Right Out: 10.432+/-0.431 χ^2/NDF: 532.2/22

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: 2179.0/88

- sign 6.928+/-0.243 χ^2/NDF: 915.7/45



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: 24.159+/-0.363 χ^2/NDF: 10964.3/22

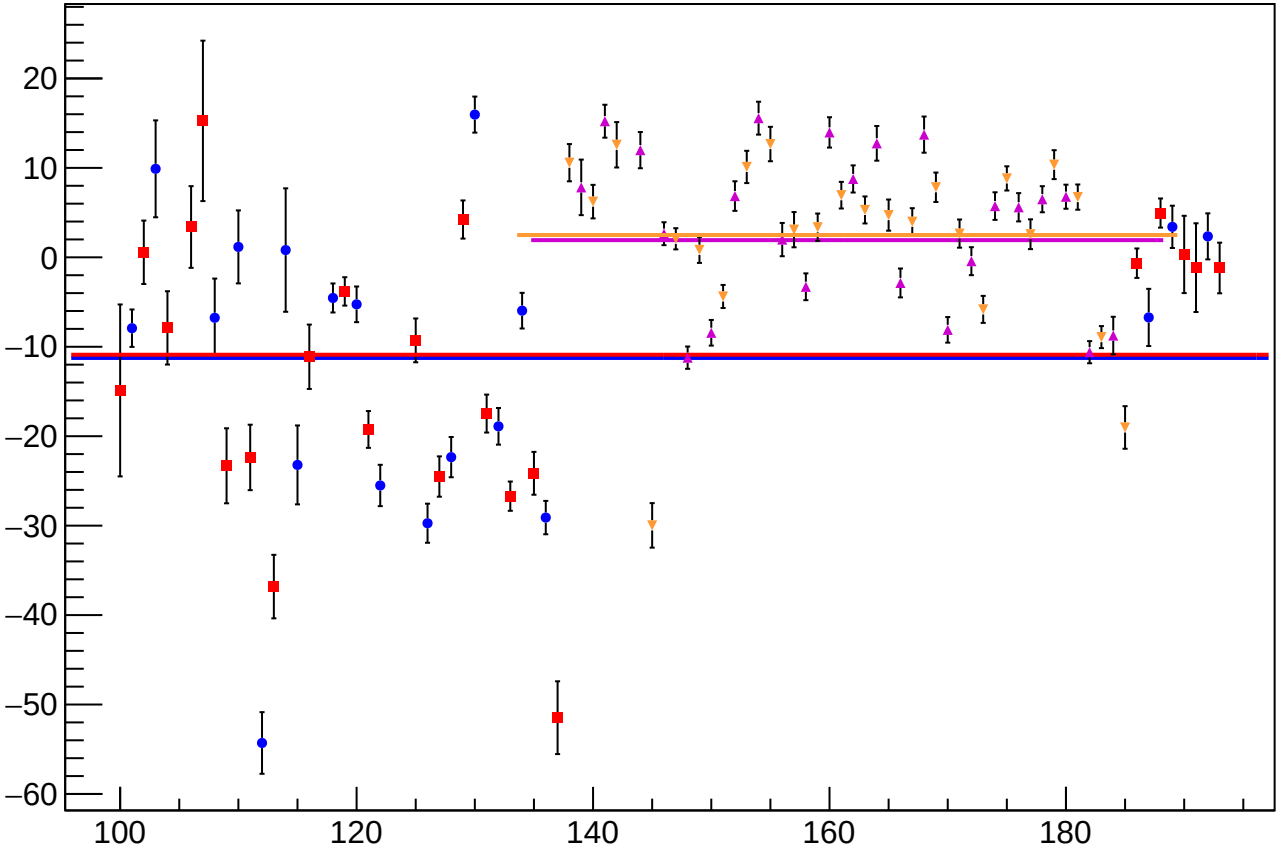
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

\+ sign 32.087+/-0.291 χ^2/NDF: 10729.4/42

All: 29.759+/-0.195 χ^2/NDF: 24794.6/88

\- sign 27.872+/-0.262 χ^2/NDF: 13949.3/45

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

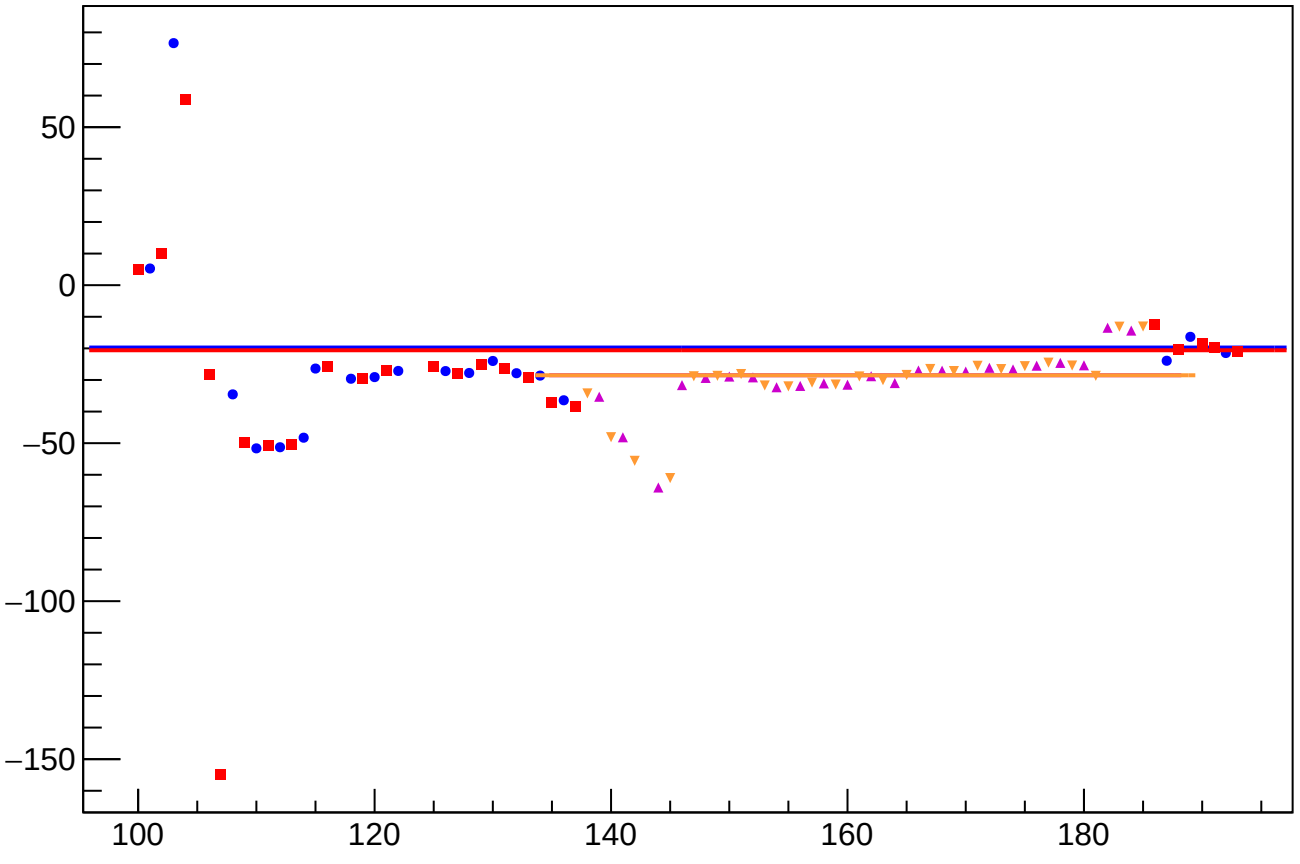
Right Out: -10.891+/-0.534 χ^2/NDF: 613.6/22

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+/-0.199 χ^2/NDF: 3438.2/88

- sign -1.653+/-0.282 χ^2/NDF: 1707.9/45



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: -20.596+/-0.030 χ^2/NDF: 552644.2/22

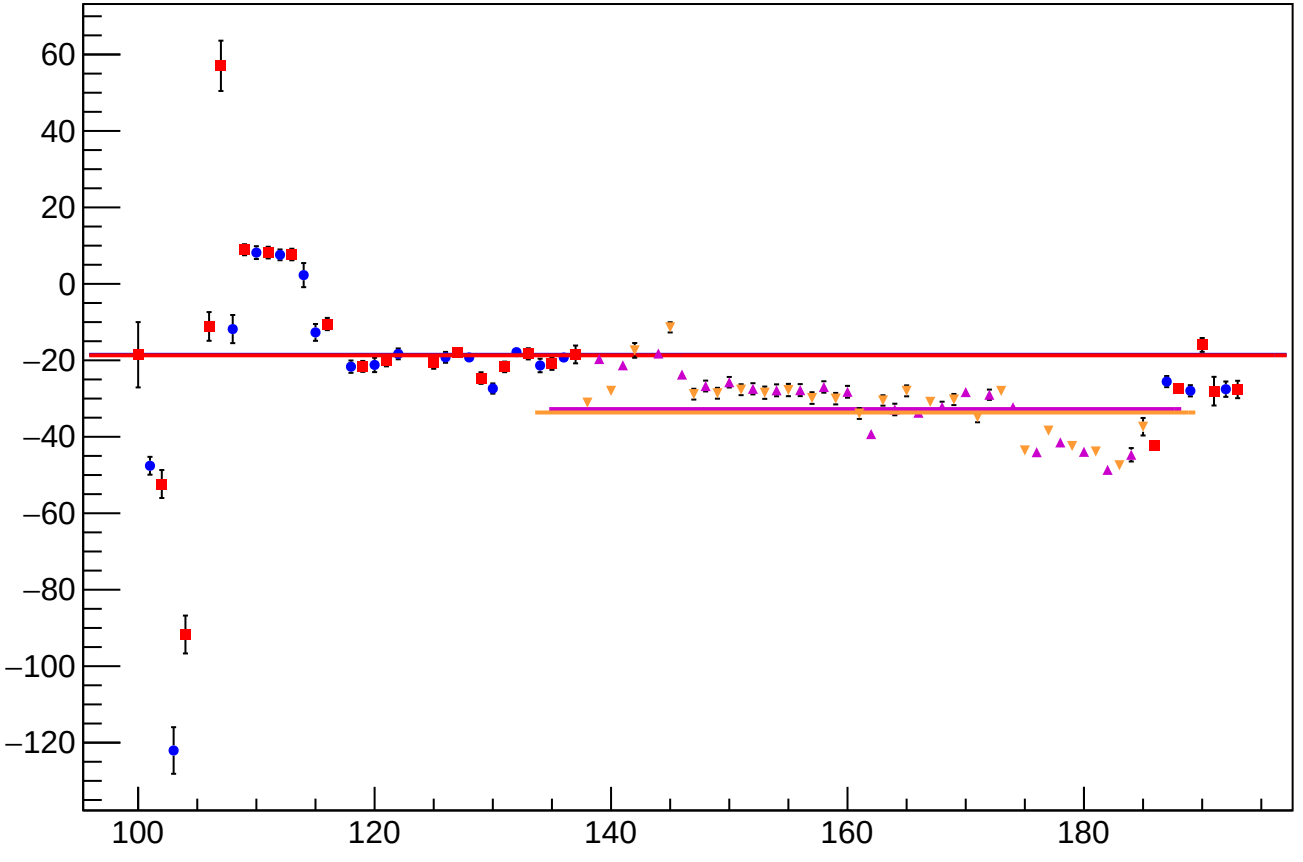
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

\+ sign -26.885+/-0.013 χ^2/NDF: 1048338.3/42

All: -26.911+/-0.009 χ^2/NDF: 1944863.1/88

\- sign -26.937+/-0.013 χ^2/NDF: 896517.0/45

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: -18.684+/-0.341 χ^2/NDF: 1955.1/22

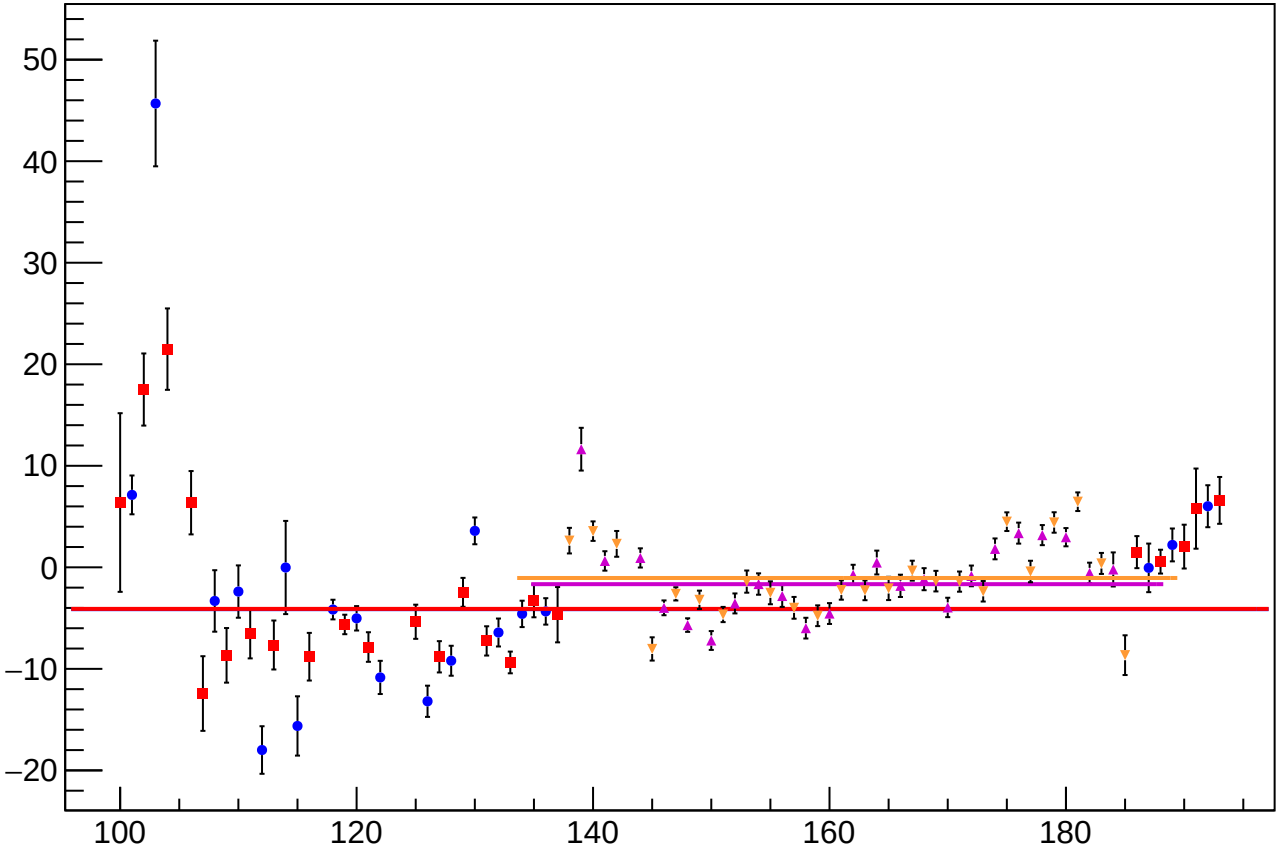
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -28.522+/-0.215 χ^2/NDF: 3342.8/42

All: -27.928+/-0.151 χ^2/NDF: 7507.7/88

- sign -27.359+/-0.211 χ^2/NDF: 4150.0/45

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: -4.093+/-0.371 χ^2/NDF: 219.6/22

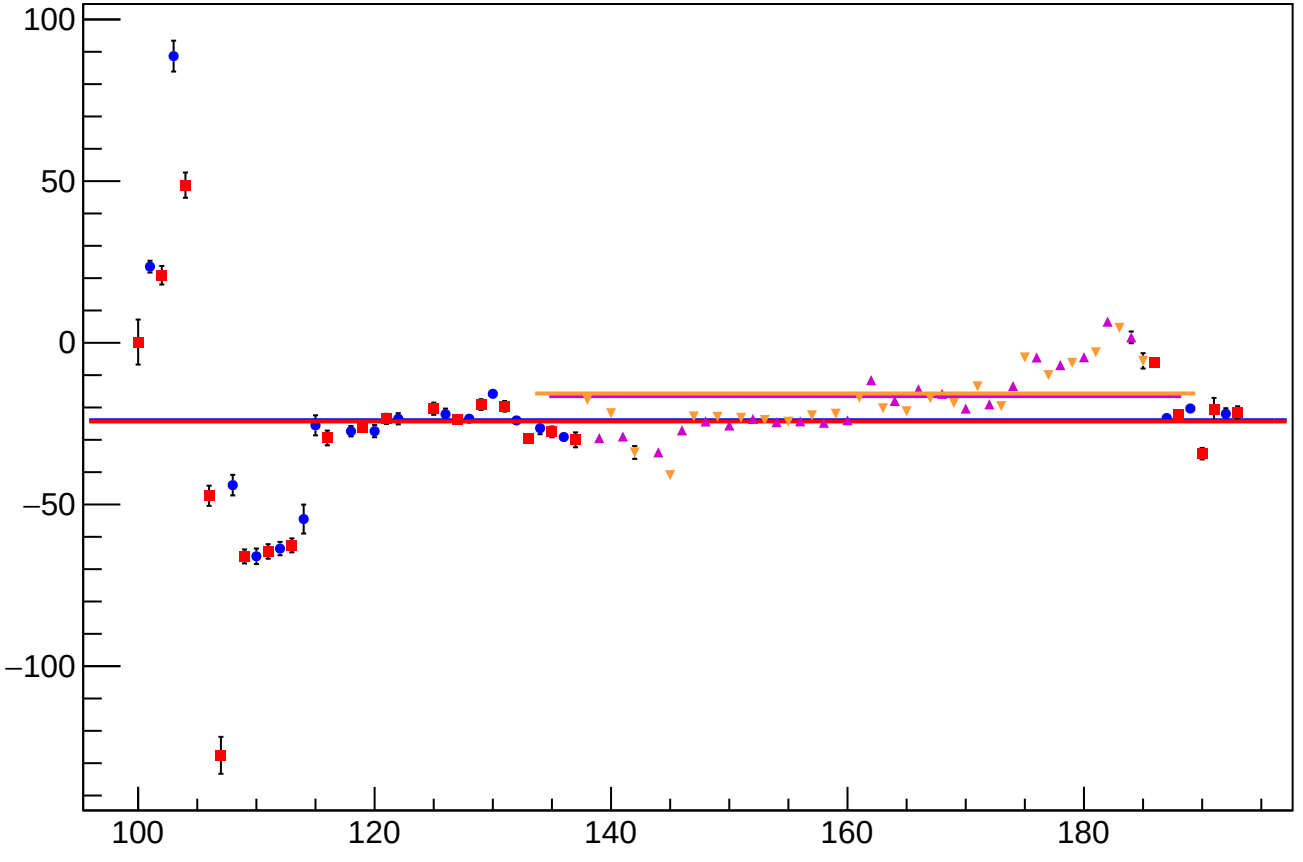
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.737+/-0.179 χ^2/NDF: 635.4/42

All: -1.984+/-0.127 χ^2/NDF: 1156.1/88

- sign -2.236+/-0.181 χ^2/NDF: 516.8/45

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: -24.311+/-0.348 χ^2/NDF: 2426.1/22

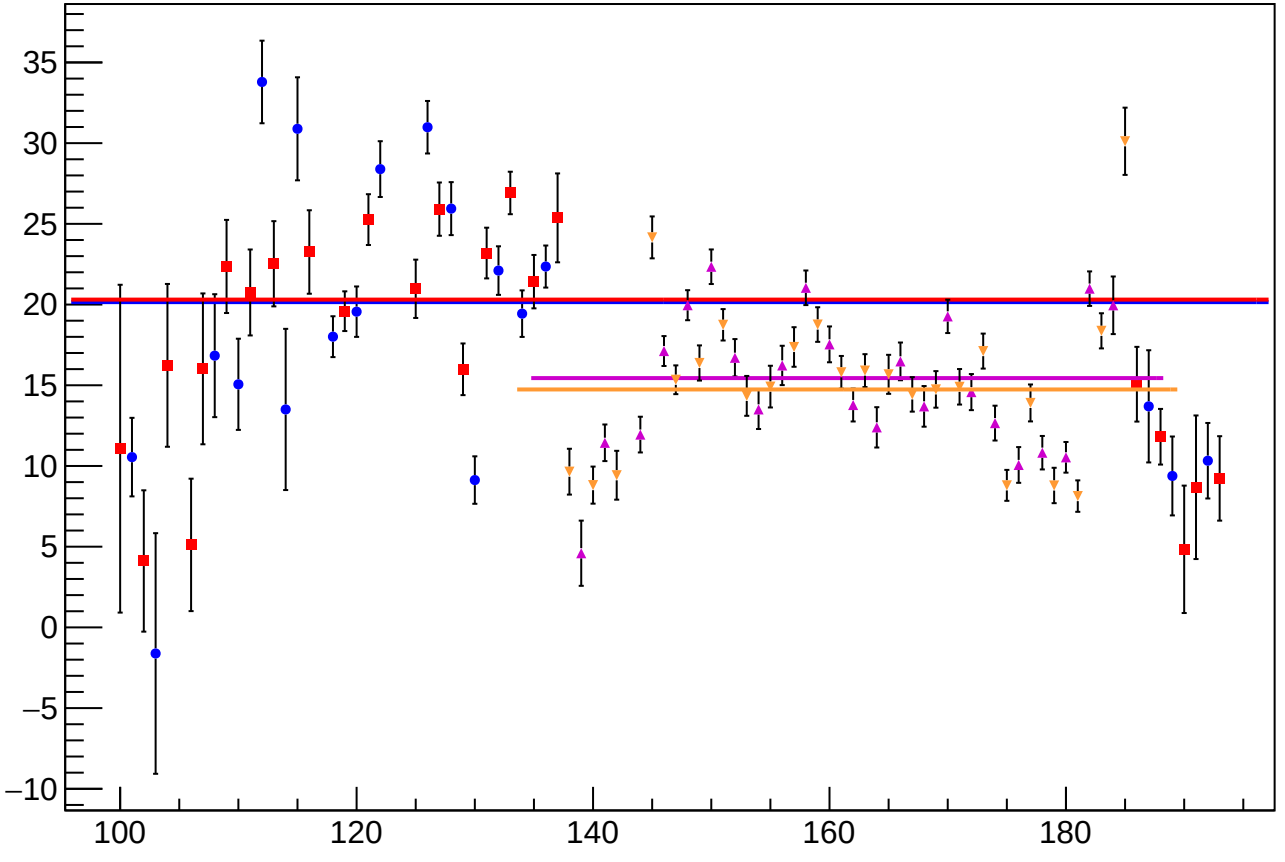
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

\+ sign -18.233+/-0.219 χ^2/NDF: 3890.6/42

All: -18.822+/-0.152 χ^2/NDF: 8348.6/88

\- sign -19.371+/-0.211 χ^2/NDF: 4444.0/45

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: 20.307+/-0.441 χ^2/NDF: 163.4/22

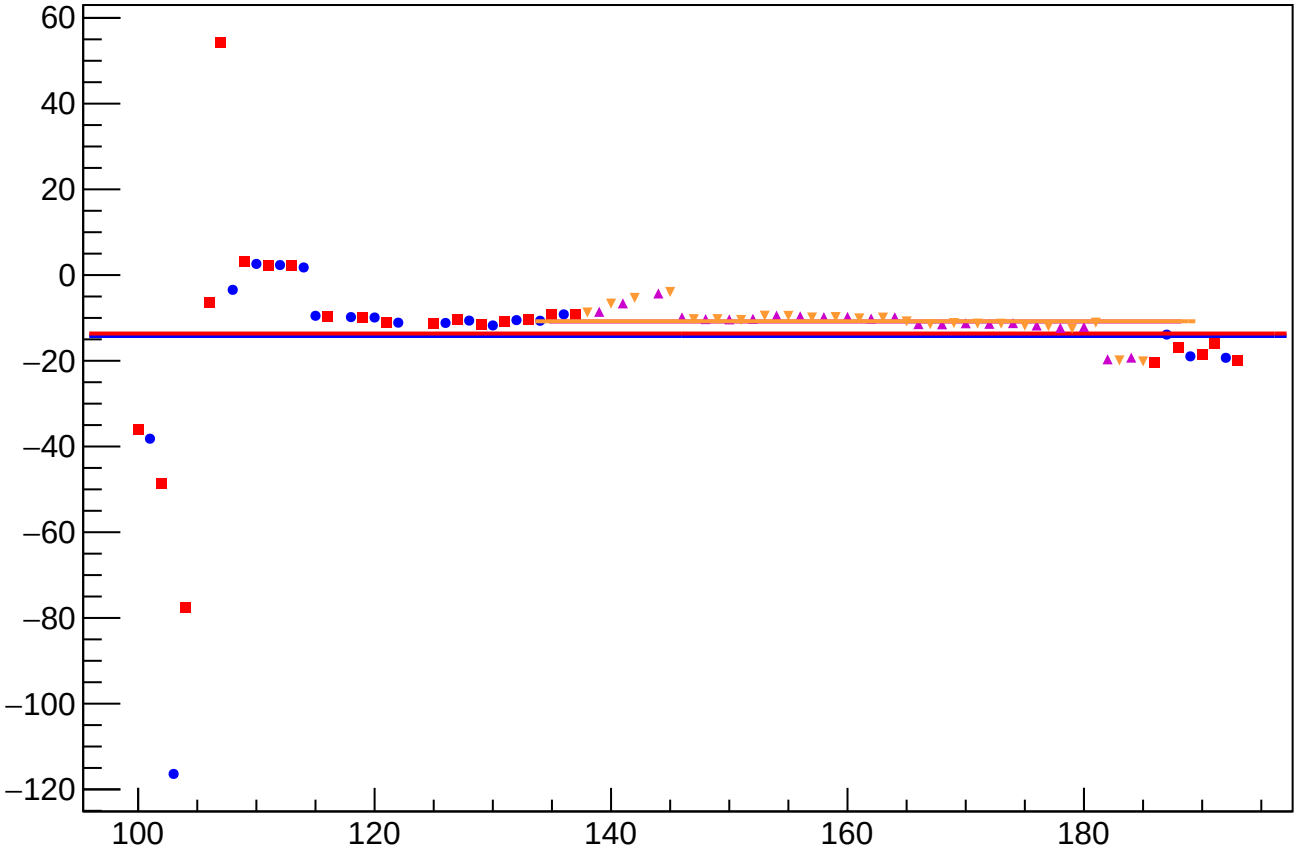
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

\+ sign 15.902+/-0.203 χ^2/NDF: 704.2/42

All: 16.201+/-0.145 χ^2/NDF: 1257.6/88

\- sign 16.508+/-0.206 χ^2/NDF: 549.0/45

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: -13.639+/-0.026 χ^2/NDF: 329375.1/22

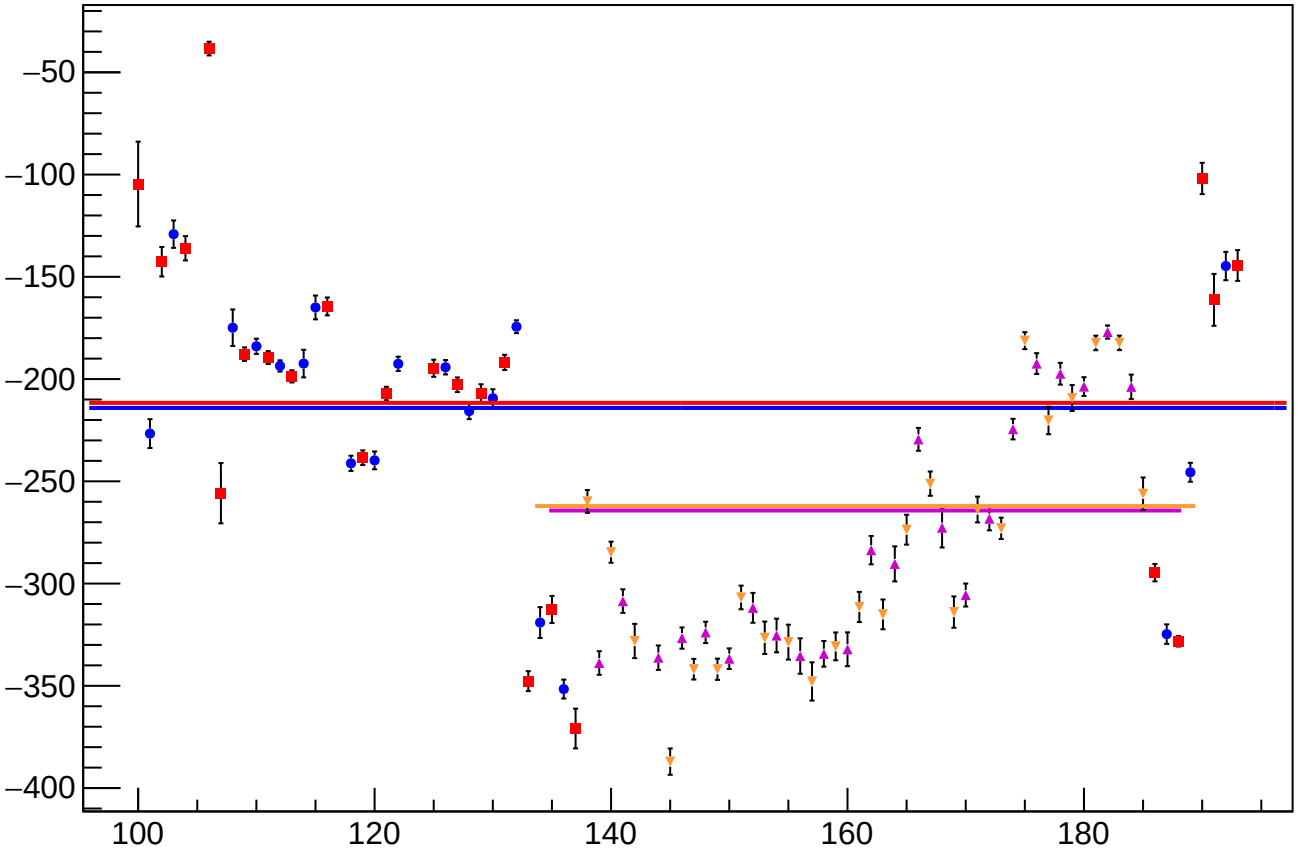
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -11.263+/-0.010 χ^2/NDF: 454051.0/42

All: -11.243+/-0.007 χ^2/NDF: 867823.9/88

- sign -11.224+/-0.010 χ^2/NDF: 413764.6/45

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: -211.642+/-0.894 χ^2/NDF: 7334.3/22

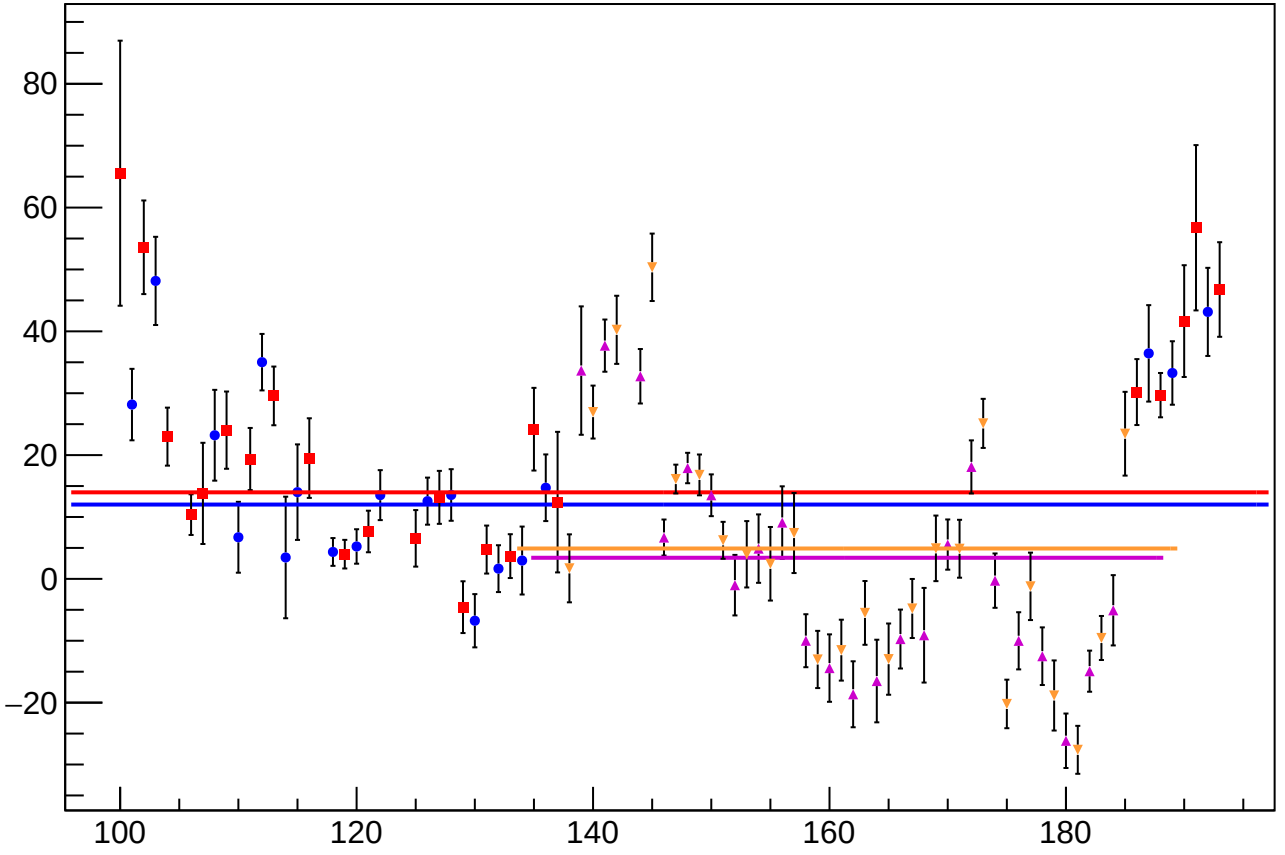
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -234.309+/-0.765 χ^2/NDF: 6384.8/42

All: -232.388+/-0.522 χ^2/NDF: 17729.1/88

- sign -230.716+/-0.714 χ^2/NDF: 11332.6/45

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: 13.984+/-0.968 χ^2/NDF: 181.0/22

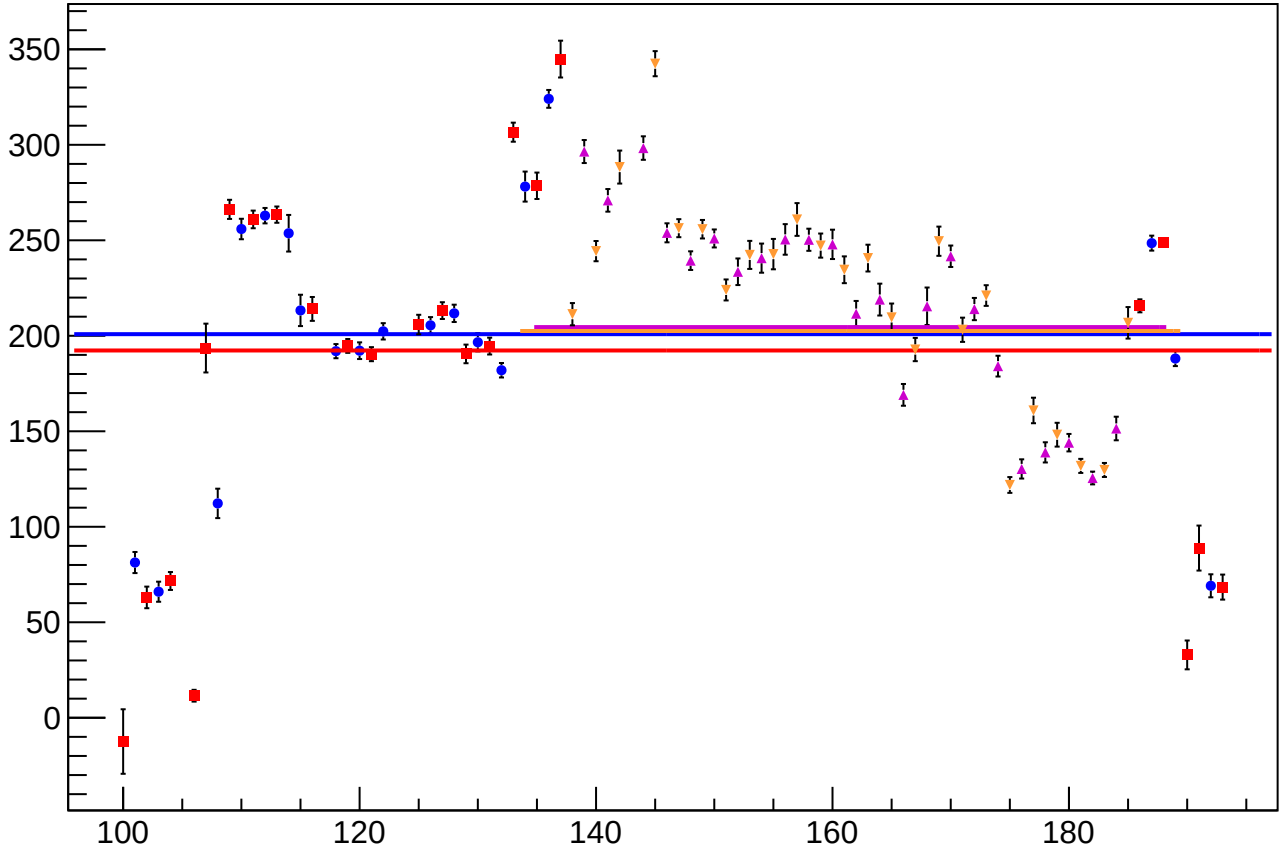
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 7.952+/-0.670 χ^2/NDF: 582.9/42

All: 8.136+/-0.470 χ^2/NDF: 1161.3/88

- sign 8.315+/-0.660 χ^2/NDF: 578.2/45

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: 192.309+/-0.939 χ^2/NDF: 8126.1/22

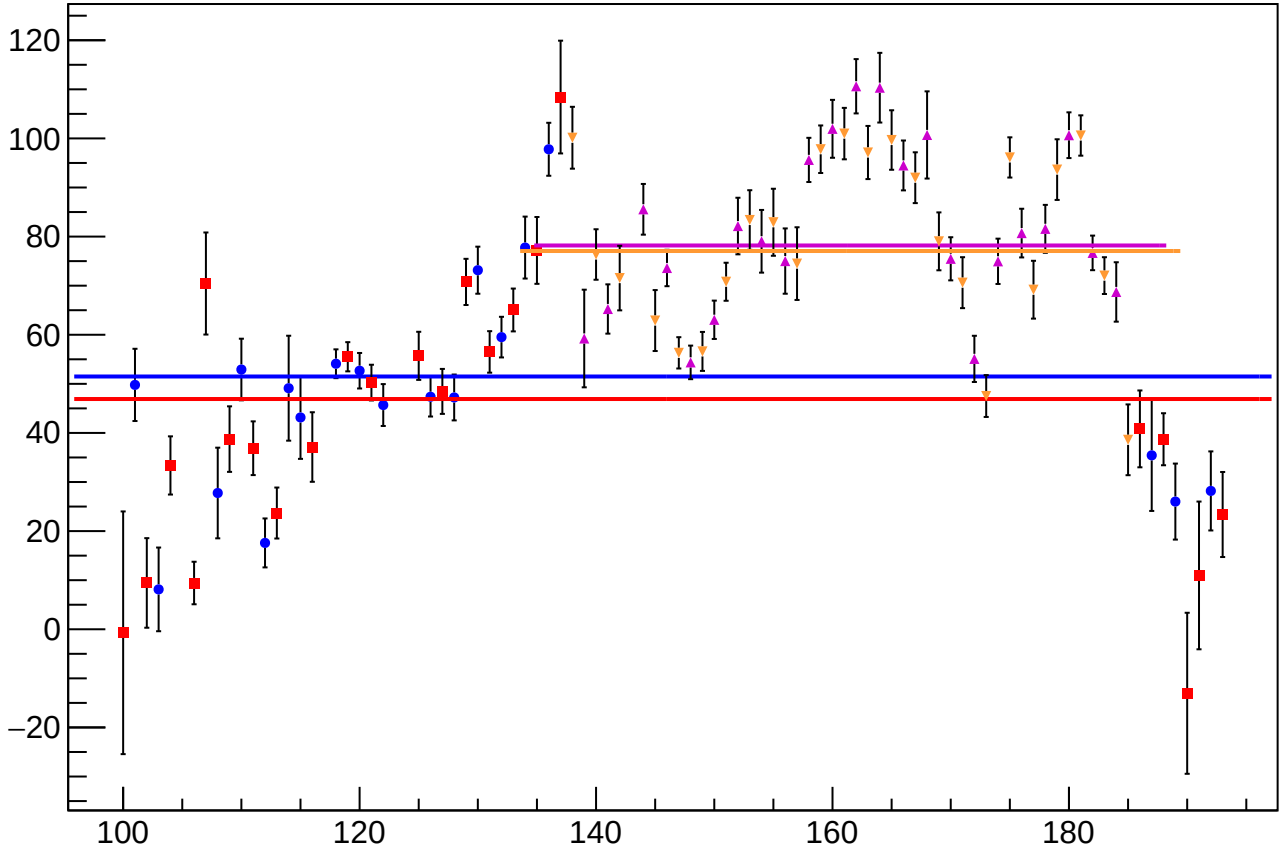
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 201.630+/-0.803 χ^2/NDF: 5497.5/42

All: 199.146+/-0.542 χ^2/NDF: 15993.0/88

- sign 197.072+/-0.734 χ^2/NDF: 10478.0/45

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: 46.909+/-1.153 χ^2/NDF: 271.2/22

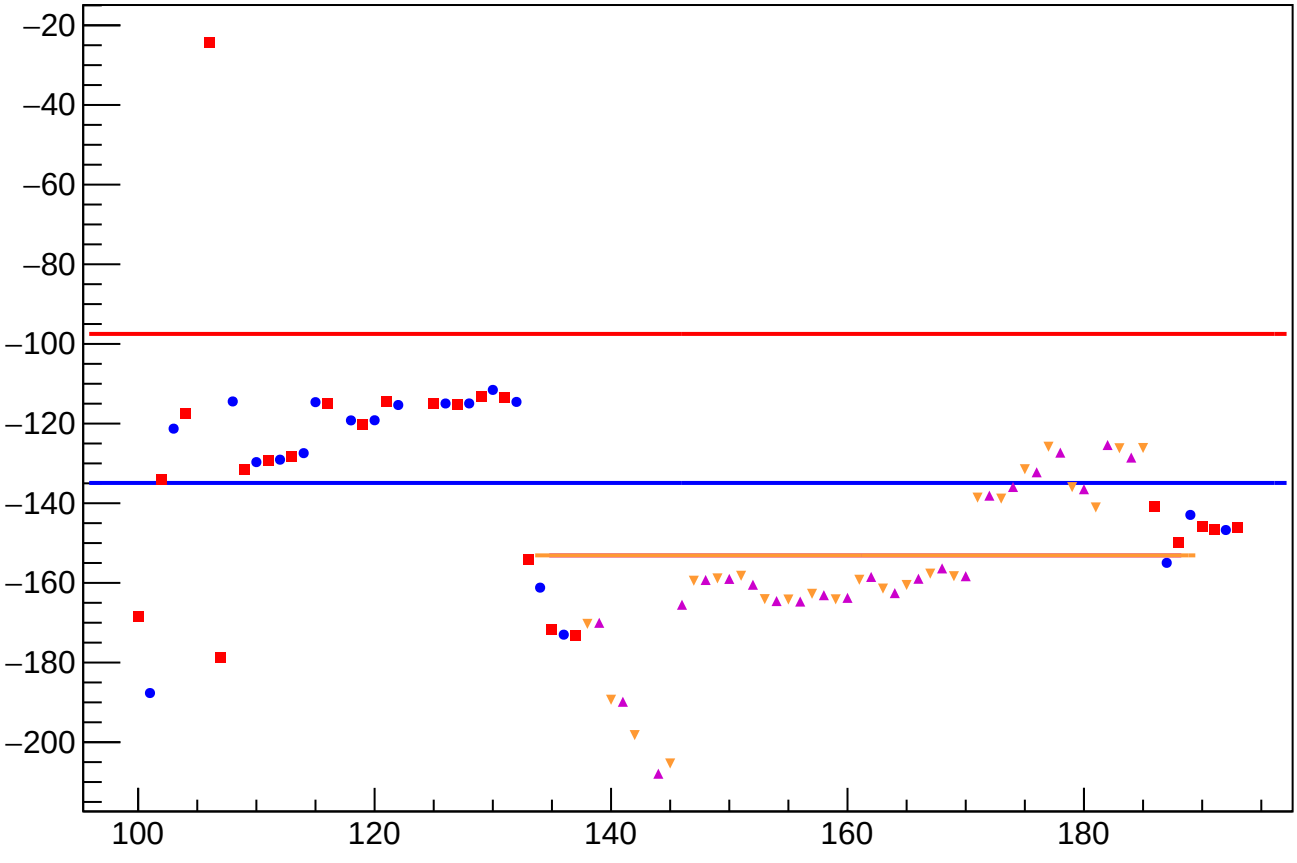
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 66.449+/-0.776 χ^2/NDF: 795.3/42

All: 65.400+/-0.545 χ^2/NDF: 1713.3/88

- sign 64.379+/-0.766 χ^2/NDF: 914.4/45

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: -97.485+/-0.059 χ^2/NDF: 847783.0/22

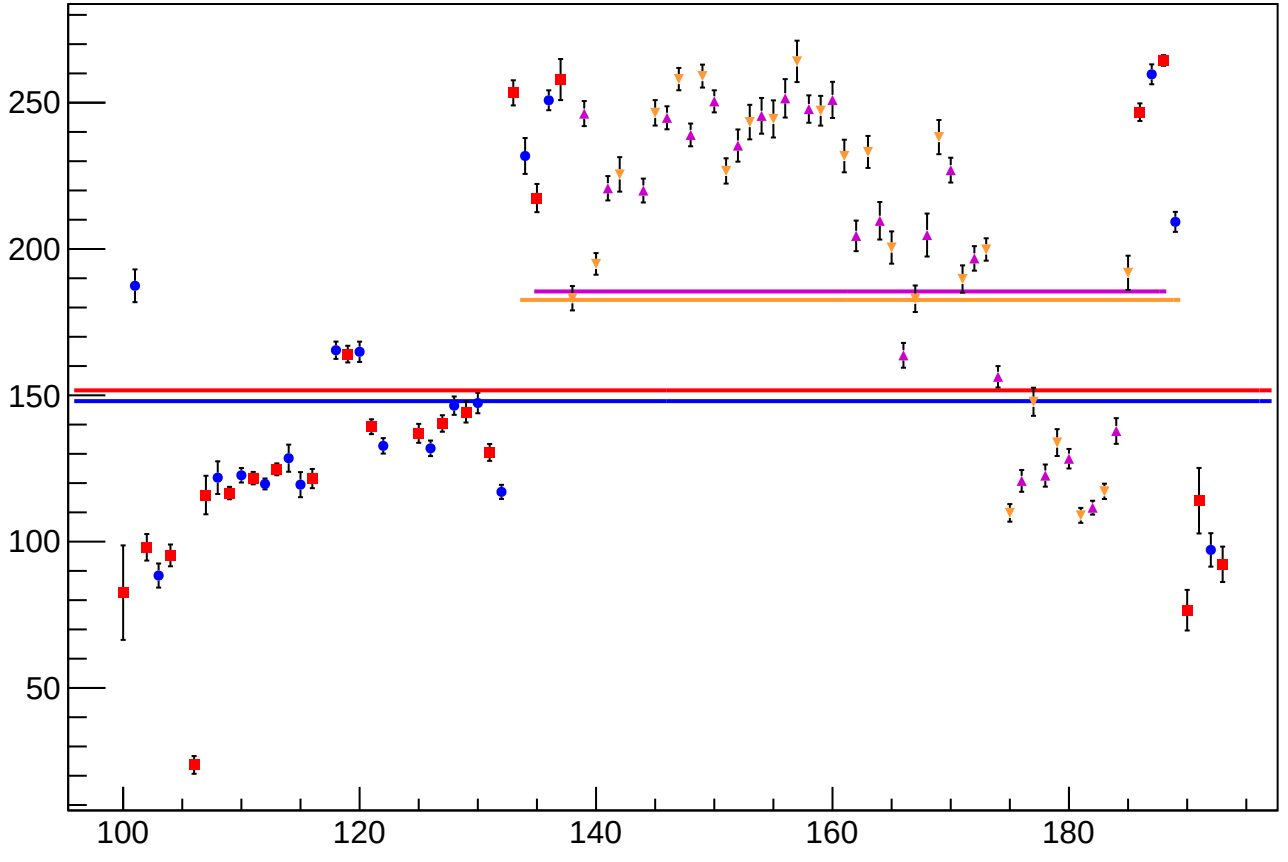
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.959+/-0.040 χ^2/NDF: 317864.8/42

All: -139.255+/-0.027 χ^2/NDF: 1964440.7/88

- sign -131.853+/-0.037 χ^2/NDF: 1557867.6/45

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: 151.692+/-0.656 χ^2/NDF: 9154.8/22

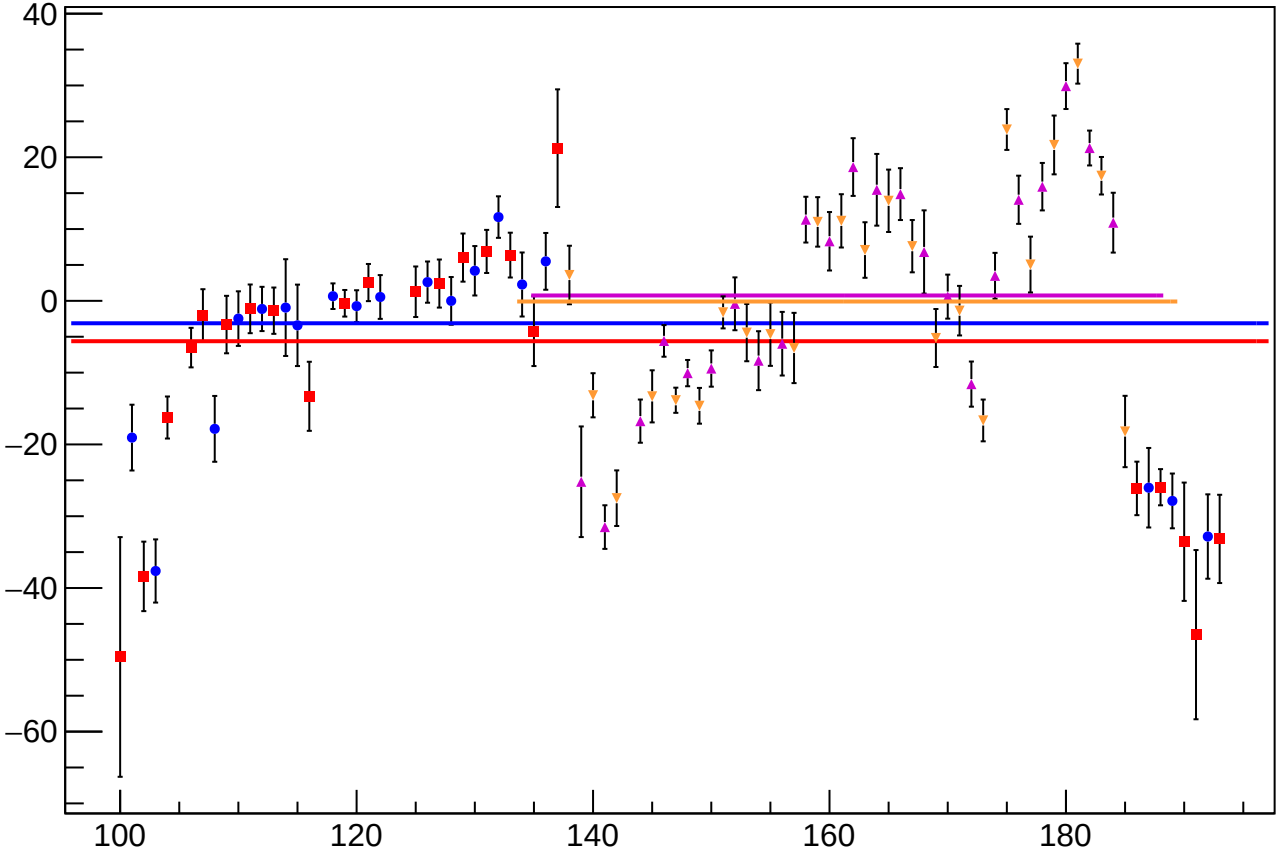
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 162.603+/-0.562 χ^2/NDF: 8624.4/42

All: 163.293+/-0.383 χ^2/NDF: 22563.8/88

- sign 163.892+/-0.524 χ^2/NDF: 13936.7/45

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: -5.623+/-0.724 χ^2/NDF: 295.1/22

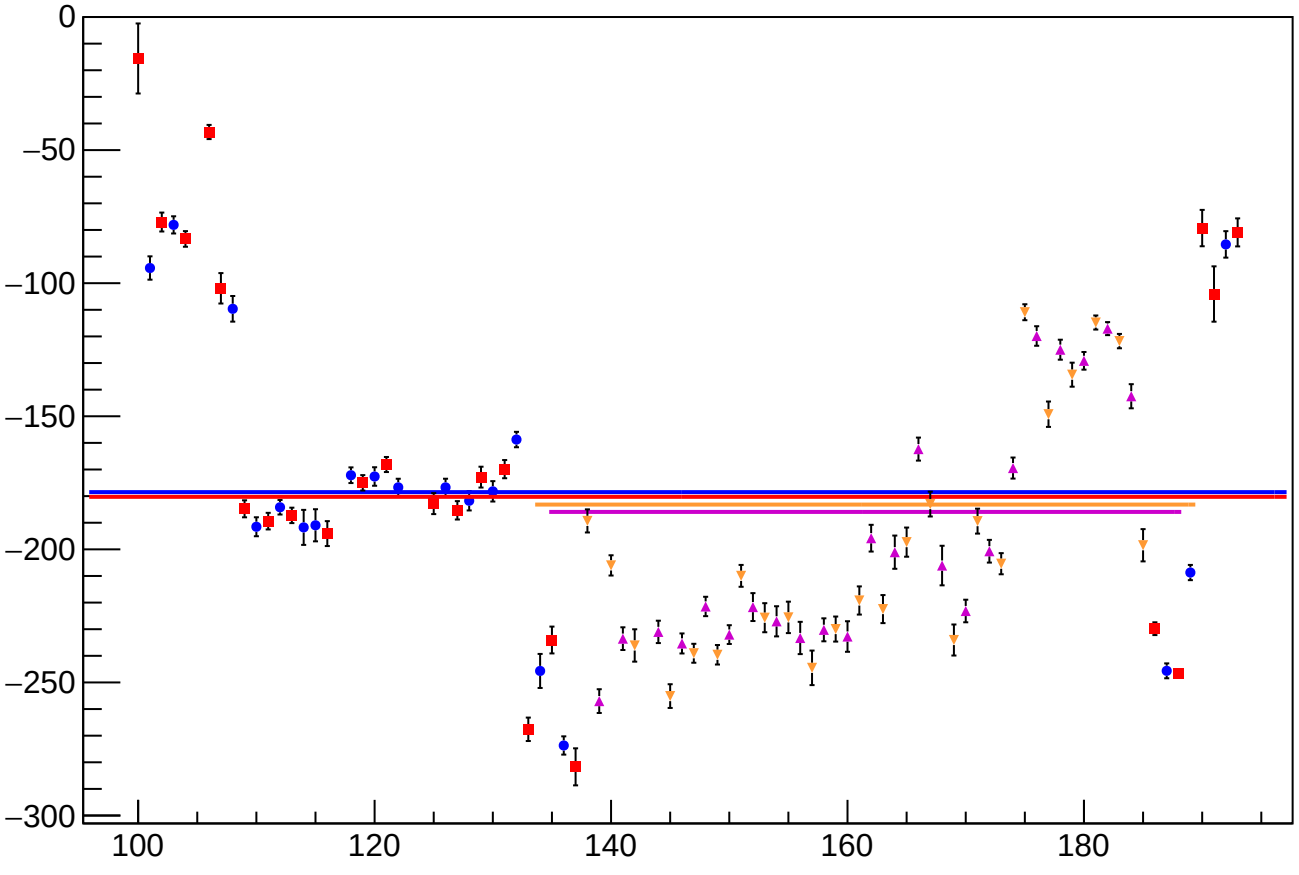
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -1.353+/-0.500 χ^2/NDF: 782.1/42

All: -1.769+/-0.350 χ^2/NDF: 1618.4/88

- sign -2.168+/-0.490 χ^2/NDF: 834.9/45

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: -180.267+/-0.689 χ^2/NDF: 8831.9/22

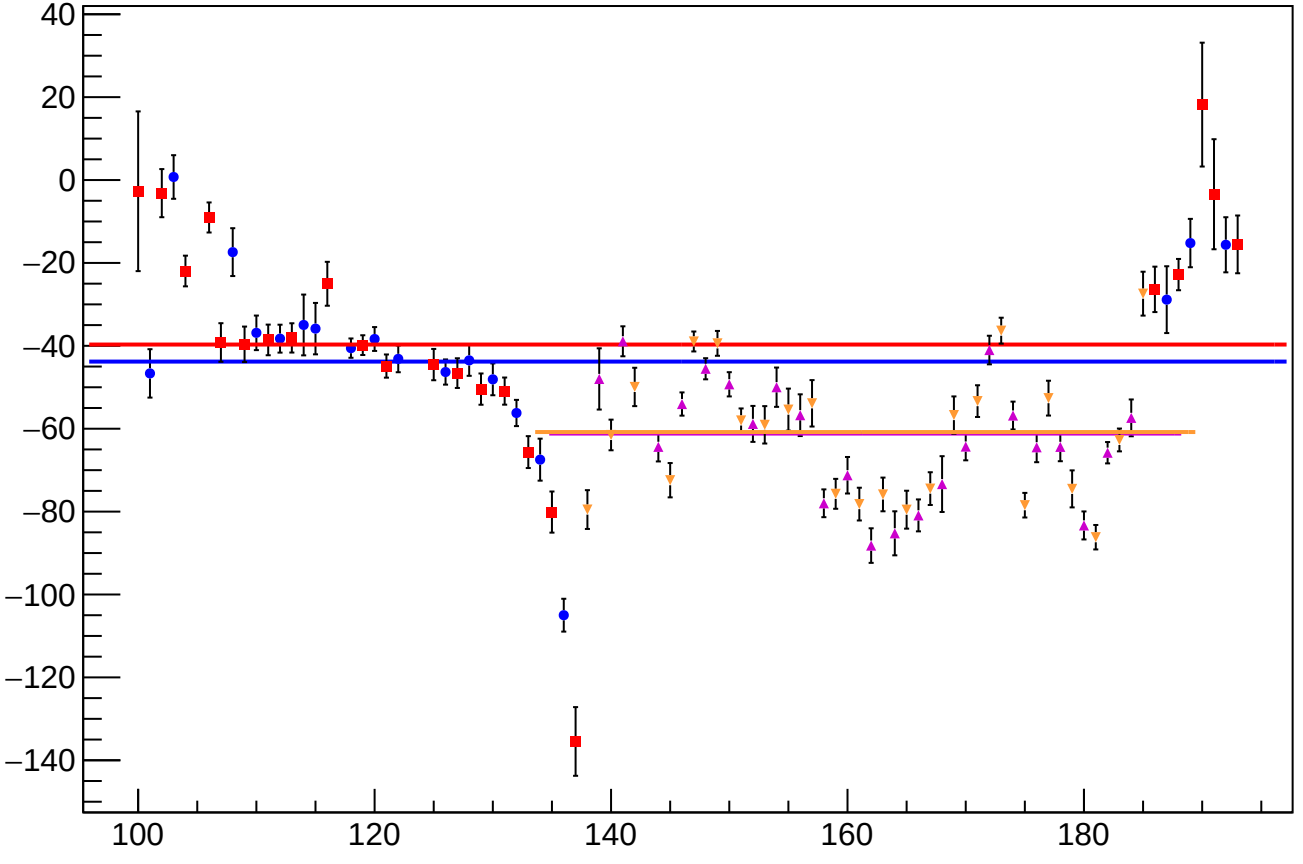
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -180.706+/-0.592 χ^2/NDF: 6916.6/42

All: -181.665+/-0.399 χ^2/NDF: 18961.1/88

- sign -182.462+/-0.539 χ^2/NDF: 12039.7/45

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: -39.691+/-0.863 χ^2/NDF: 480.2/22

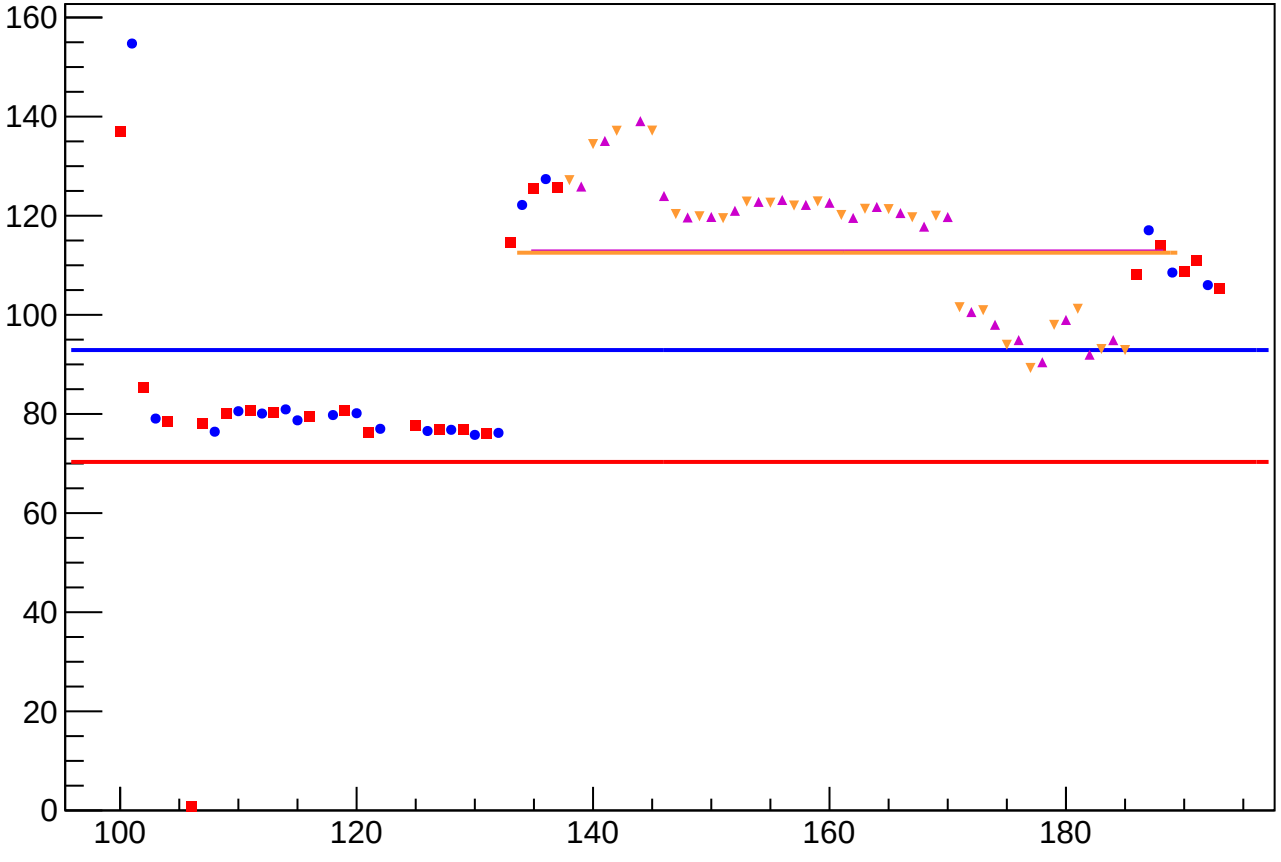
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -53.946+/-0.579 χ^2/NDF: 1111.8/42

All: -52.870+/-0.406 χ^2/NDF: 2266.0/88

- sign -51.830+/-0.569 χ^2/NDF: 1147.4/45

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: 70.322+/-0.046 χ^2/NDF: 779956.1/22

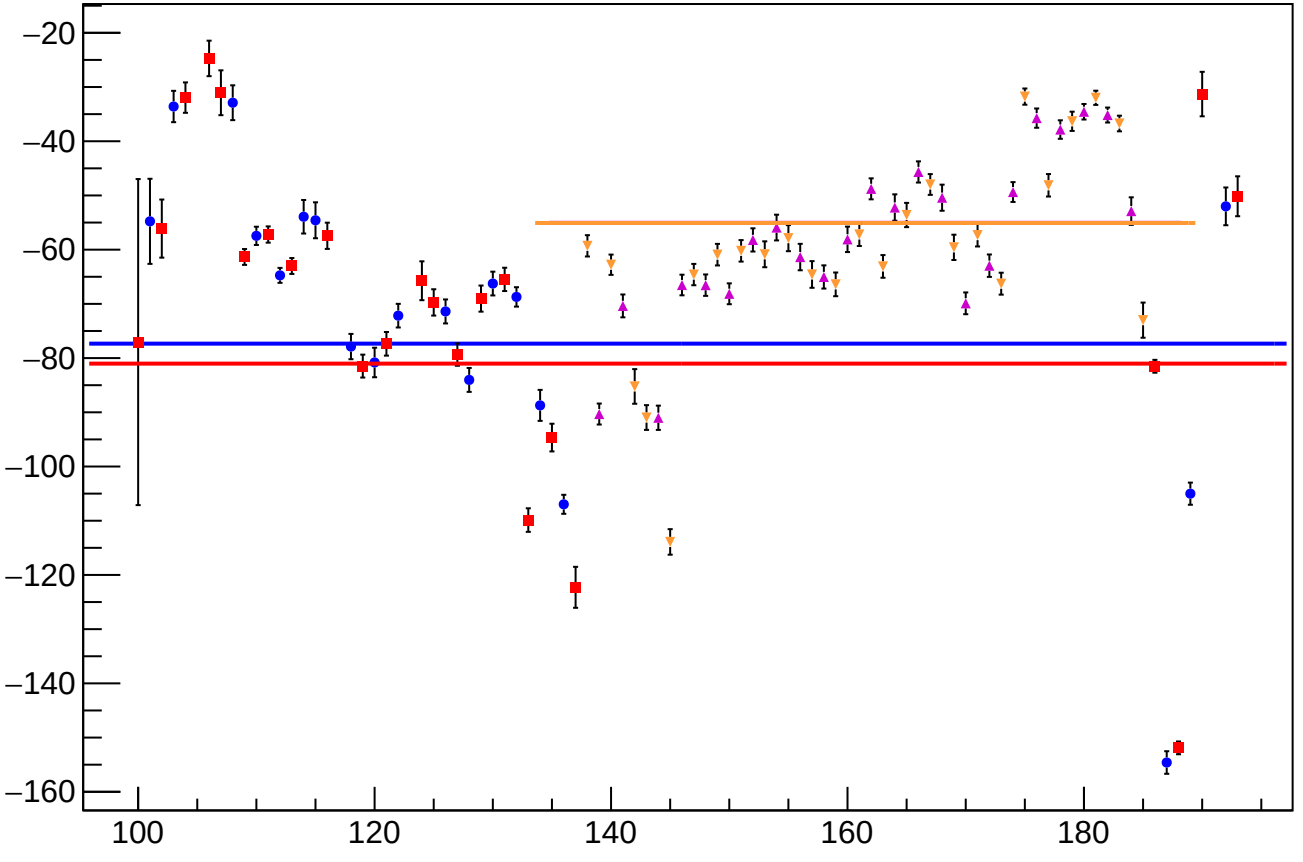
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.933+/-0.029 χ^2/NDF: 439307.3/42

All: 101.911+/-0.020 χ^2/NDF: 1995979.0/88

- sign 97.459+/-0.028 χ^2/NDF: 1500996.2/45

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: -81.021+/-0.440 χ^2/NDF: 5720.0/22

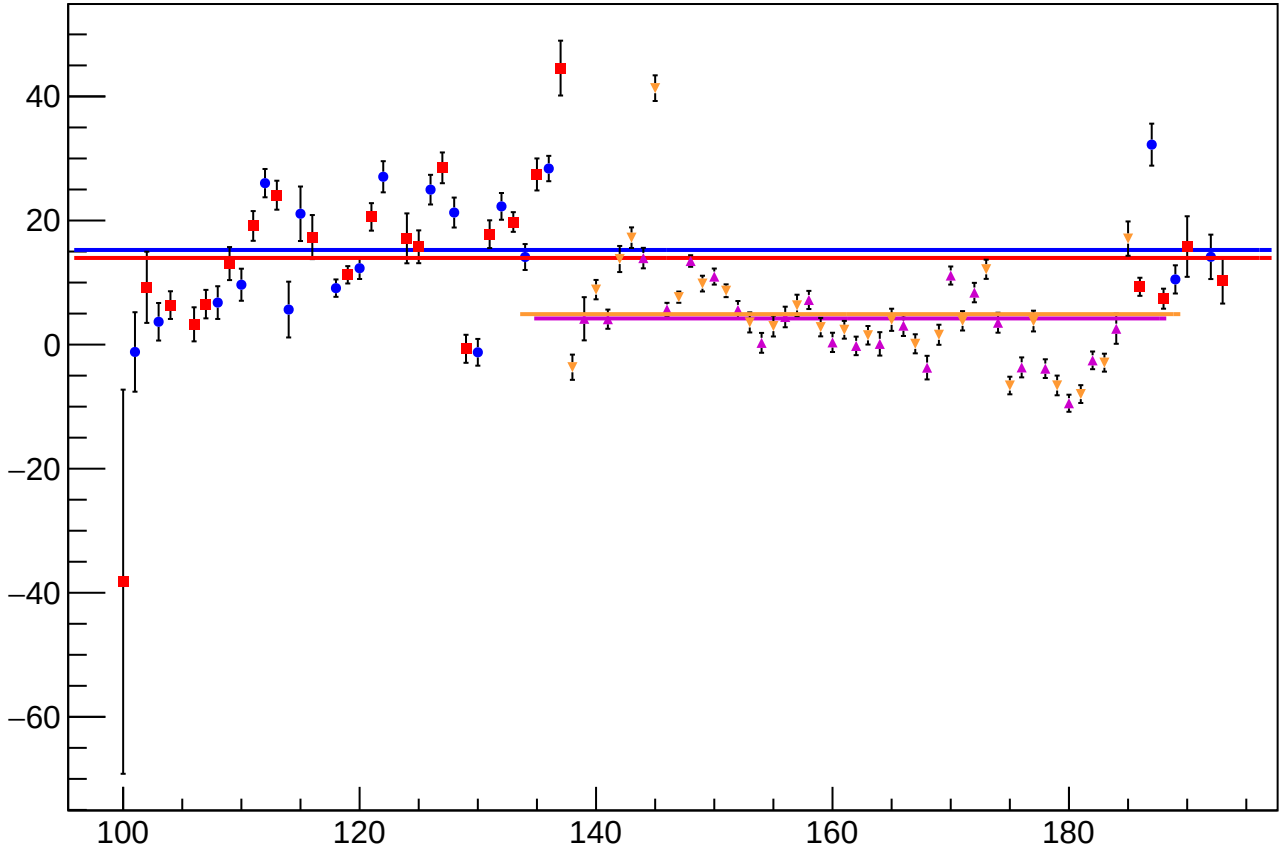
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -63.462+/-0.316 χ^2/NDF: 5910.8/43

All: -65.397+/-0.218 χ^2/NDF: 15107.6/89

- sign -67.140+/-0.300 χ^2/NDF: 9125.6/45

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: 13.966+/-0.489 χ^2/NDF: 274.5/22

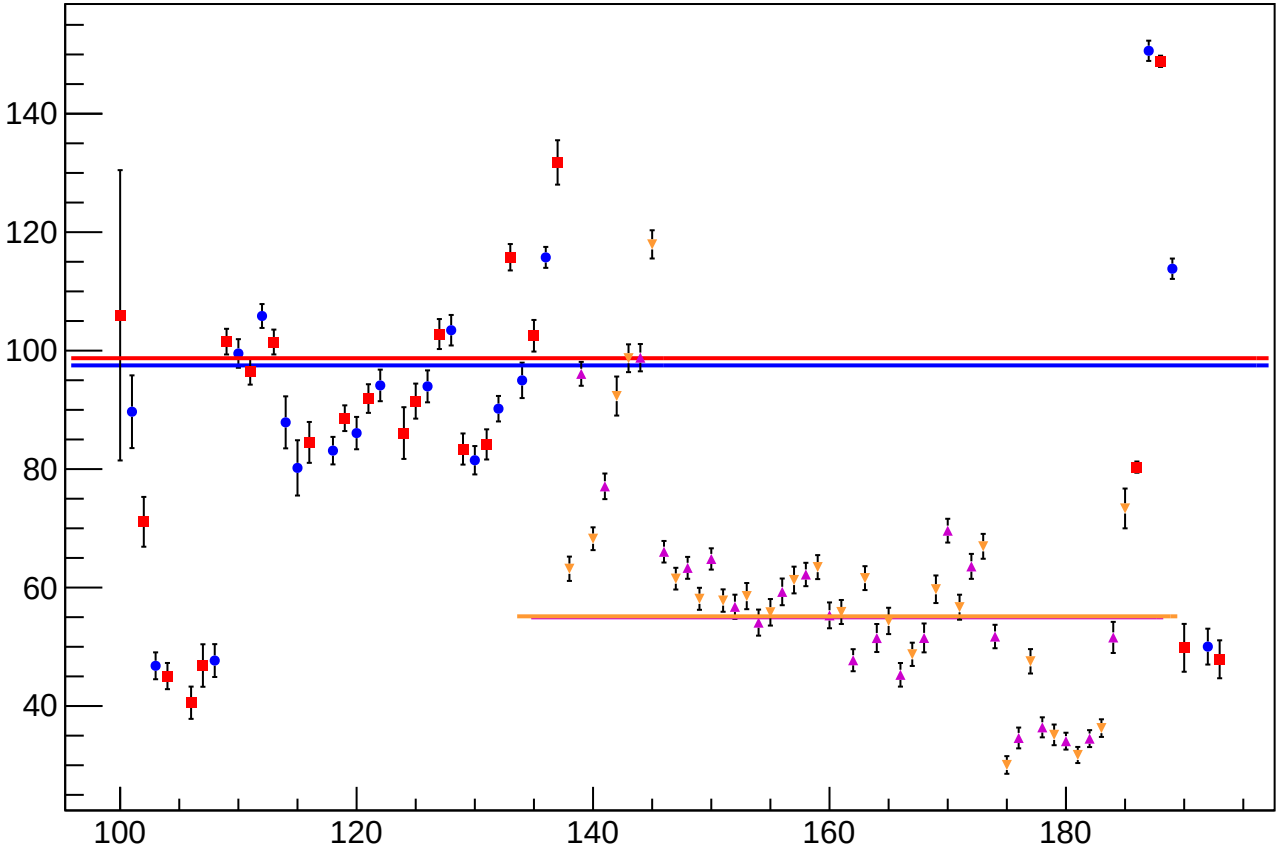
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.308+/-0.264 χ^2/NDF: 1286.7/43

All: 7.173+/-0.186 χ^2/NDF: 2259.1/89

- sign 7.039+/-0.263 χ^2/NDF: 971.9/45

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: 98.721+/-0.447 χ^2/NDF: 5137.1/22

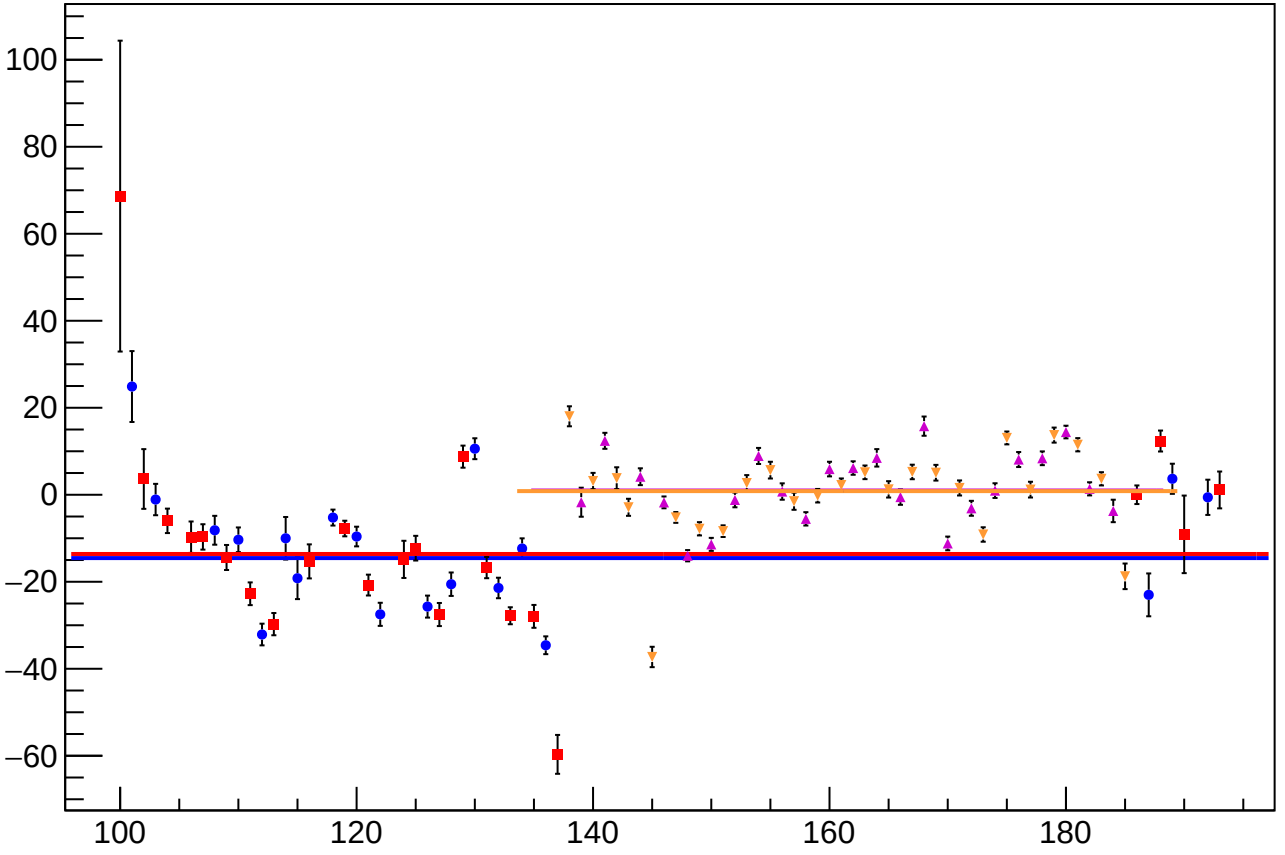
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 69.416+/-0.323 χ^2/NDF: 8470.1/43

All: 72.275+/-0.220 χ^2/NDF: 20791.4/89

- sign 74.742+/-0.300 χ^2/NDF: 12175.6/45

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

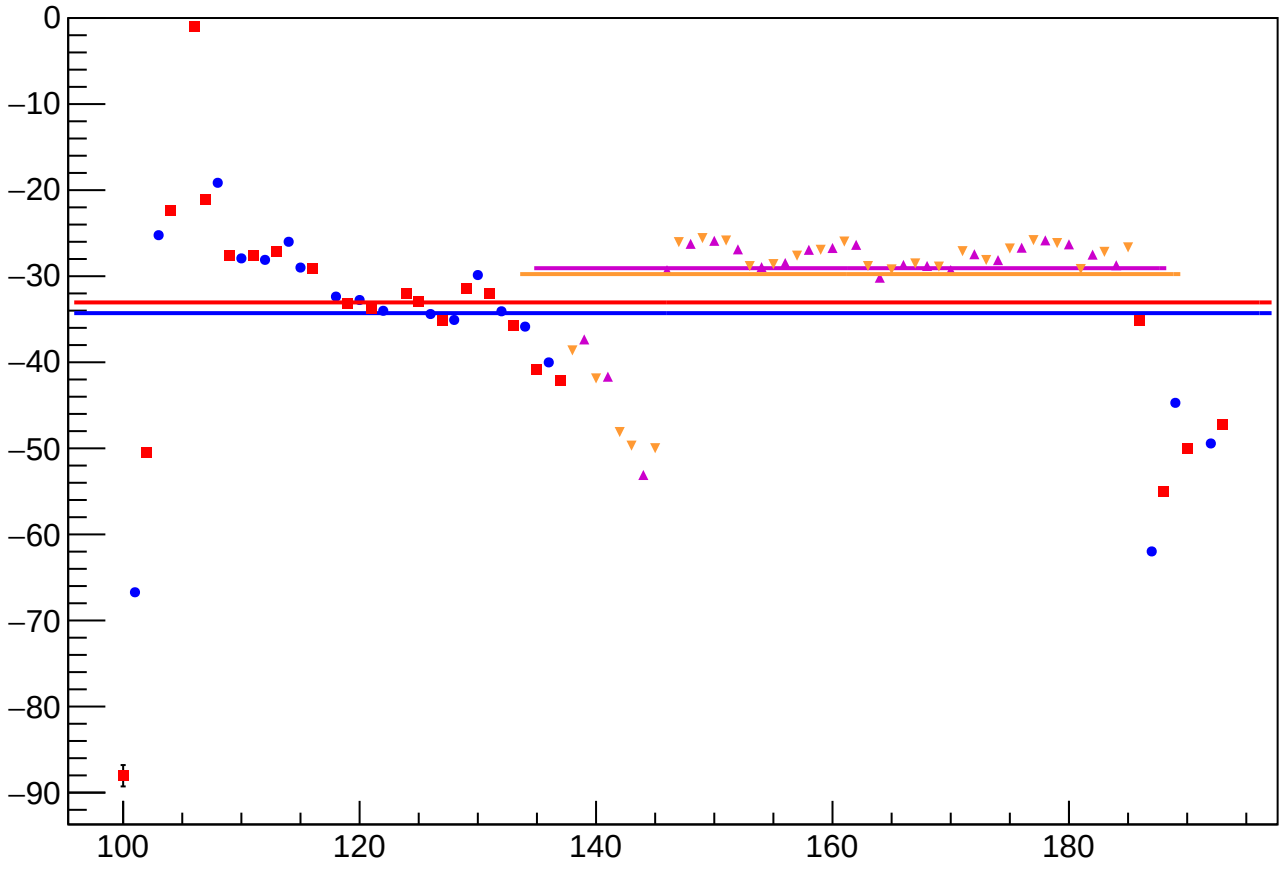
Right Out: -13.613+/-0.590 χ^2/NDF: 559.0/22

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

\+ sign -2.596+/-0.302 χ^2/NDF: 1598.2/43

All: -2.734+/-0.214 χ^2/NDF: 3166.5/89

\- sign -2.873+/-0.303 χ^2/NDF: 1567.9/45



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: -33.045+/-0.034 χ^2/NDF: 152315.2/22

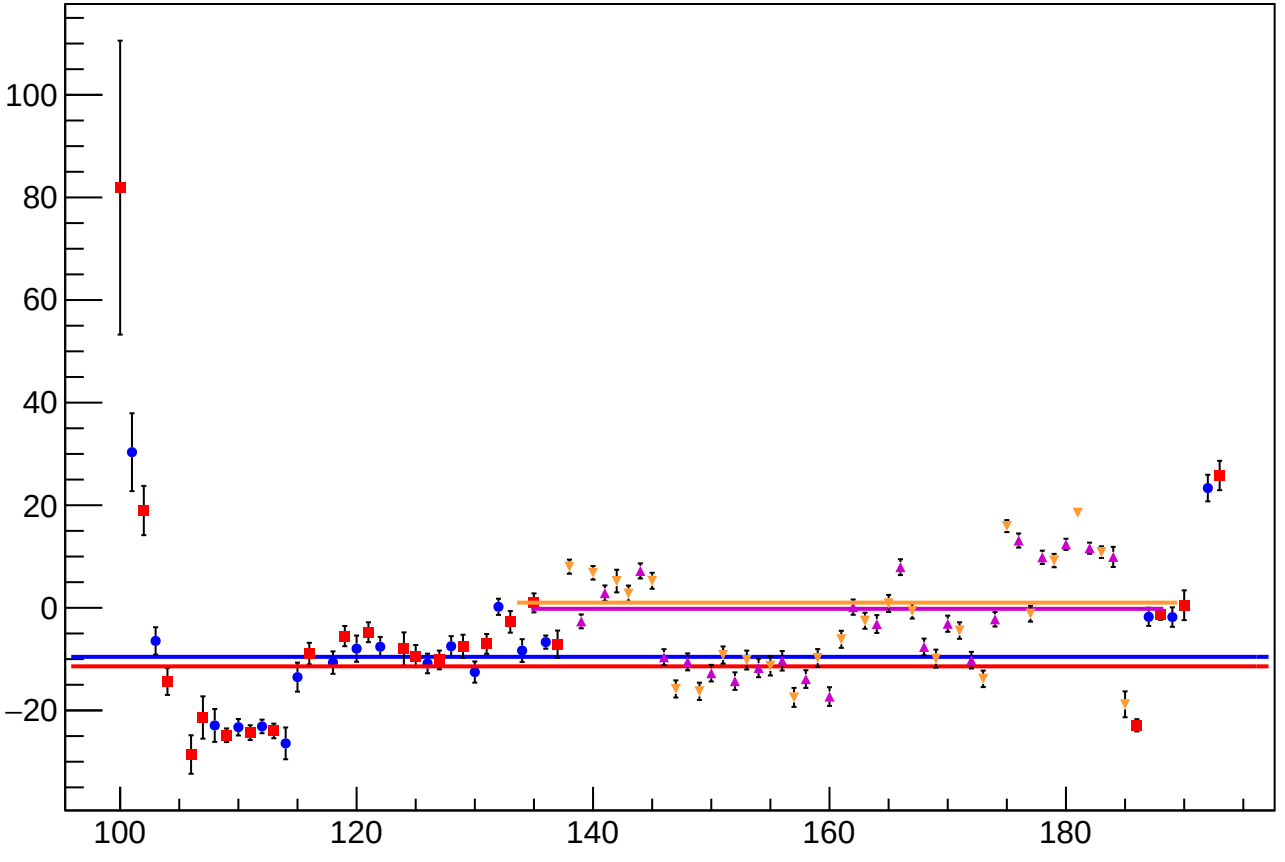
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -30.484+/-0.014 χ^2/NDF: 250012.0/43

All: -30.127+/-0.010 χ^2/NDF: 516288.1/89

- sign -29.767+/-0.014 χ^2/NDF: 265020.9/45

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: -11.409+/-0.400 χ^2/NDF: 812.4/22

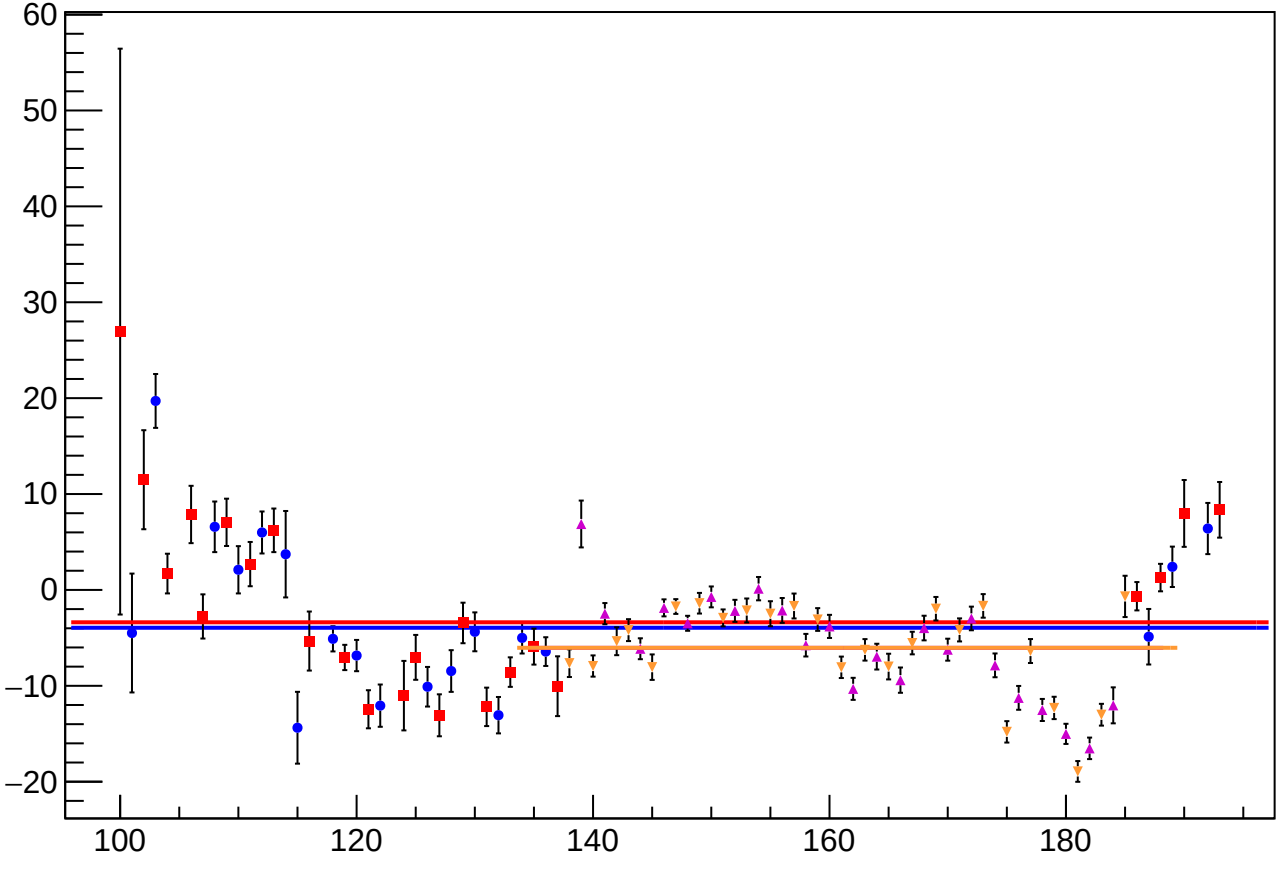
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -2.244+/-0.253 χ^2/NDF: 2207.3/43

All: -3.388+/-0.177 χ^2/NDF: 4528.0/89

- sign -4.477+/-0.247 χ^2/NDF: 2281.0/45

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: -3.376+/-0.450 χ^2/NDF: 205.8/22

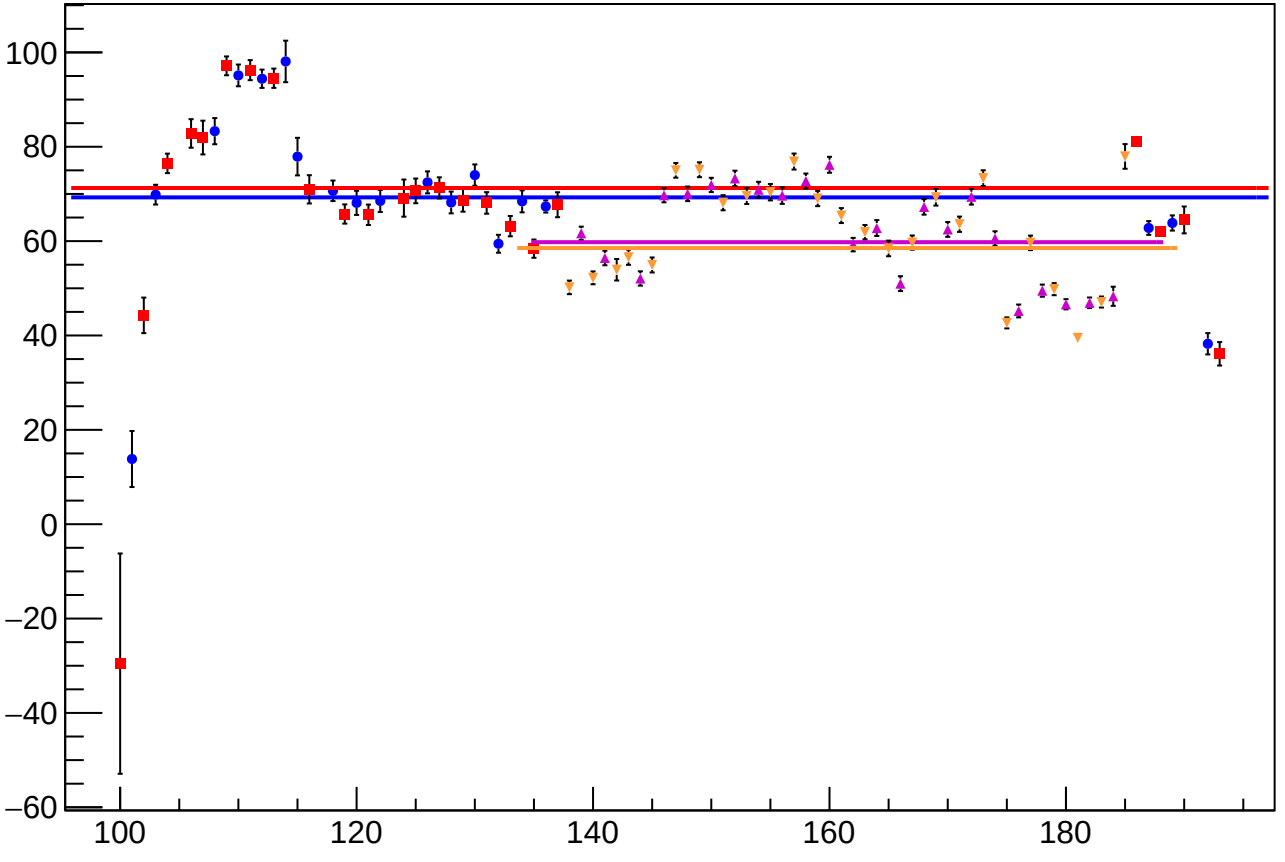
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.644+/-0.210 χ^2/NDF: 635.3/43

All: -5.544+/-0.150 χ^2/NDF: 1265.0/89

- sign -5.441+/-0.214 χ^2/NDF: 629.3/45

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: 71.258+/-0.407 χ^2/NDF: 1047.8/22

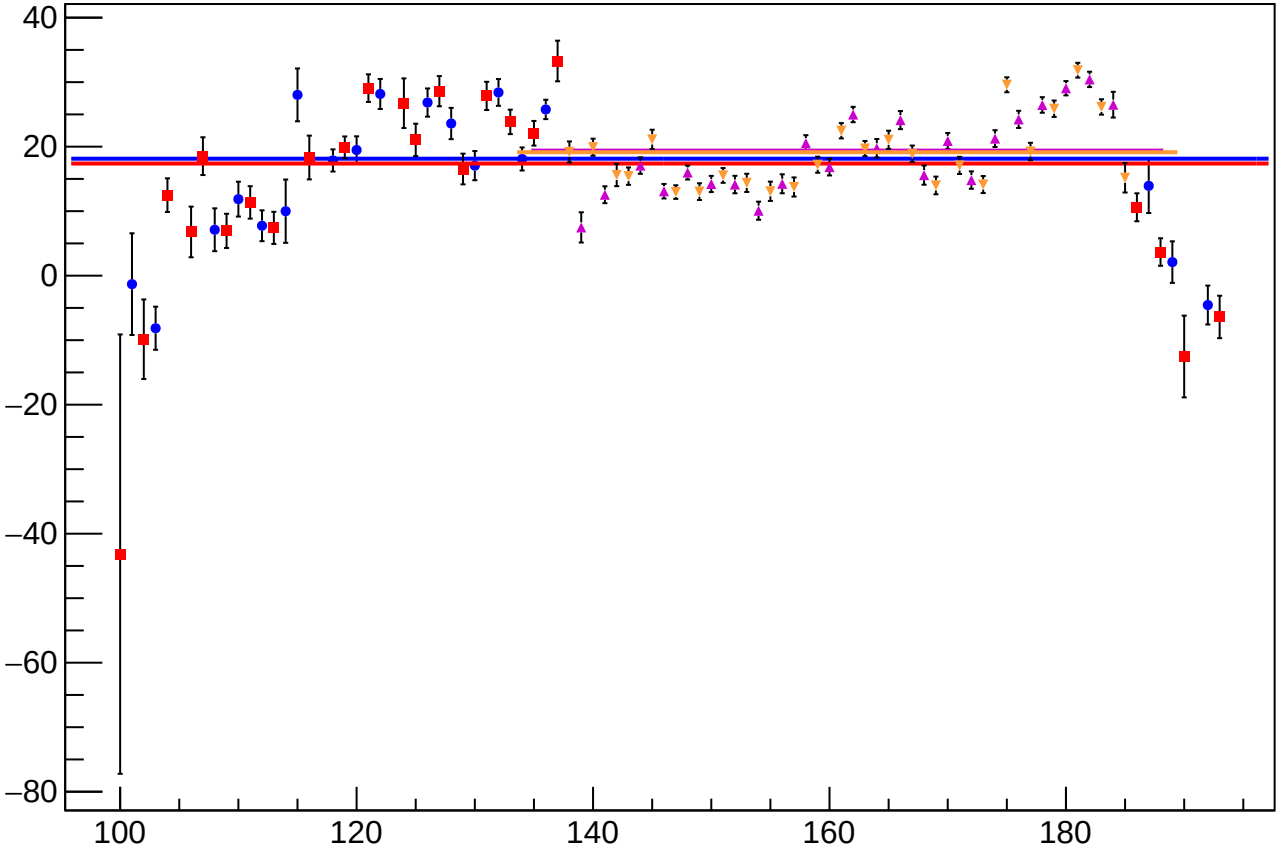
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

\+ sign 61.513+/-0.258 χ^2/NDF: 2509.0/43

All: 62.816+/-0.178 χ^2/NDF: 5178.2/89

\- sign 64.018+/-0.247 χ^2/NDF: 2620.0/45

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: 17.383+/-0.537 χ^2/NDF: 325.8/22

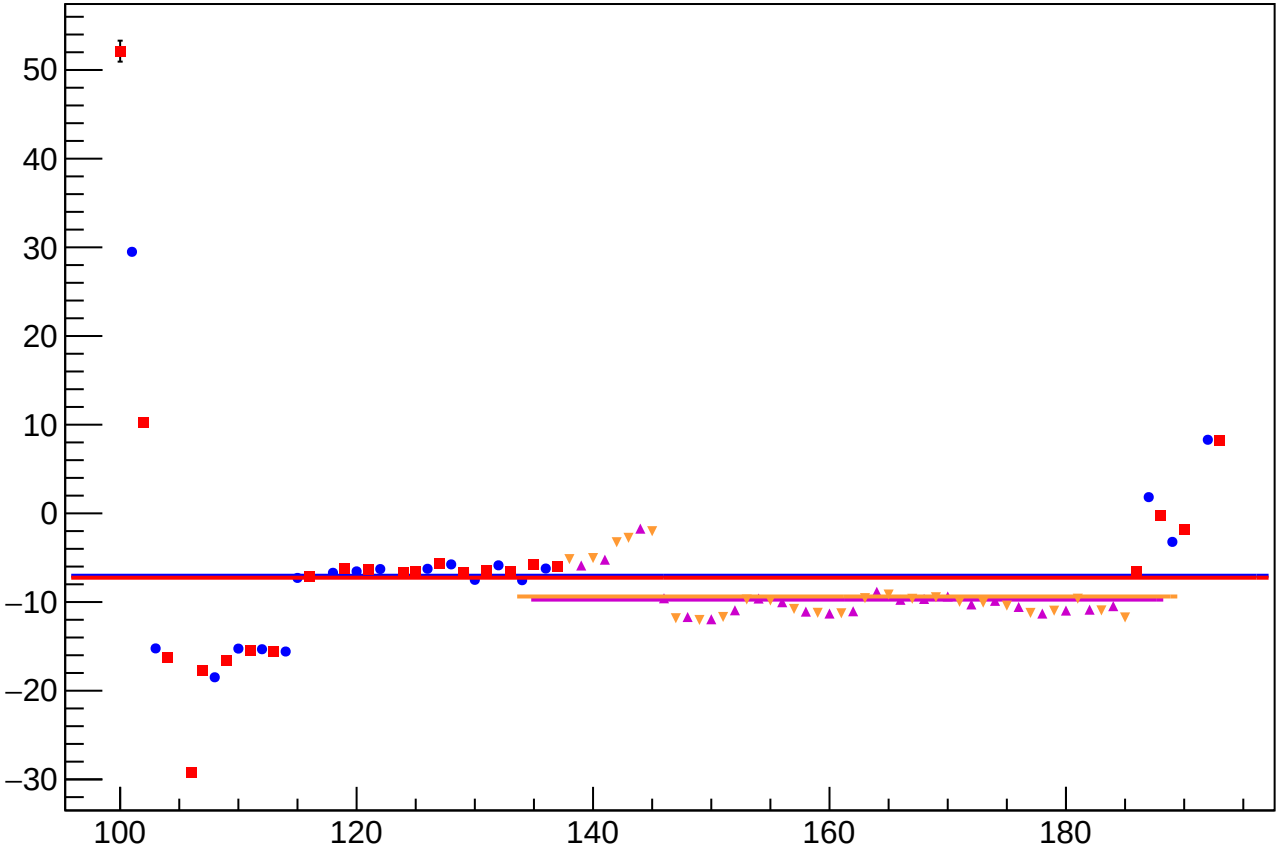
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 18.956+/-0.239 χ^2/NDF: 720.8/43

All: 18.966+/-0.171 χ^2/NDF: 1525.4/89

- sign 18.976+/-0.244 χ^2/NDF: 804.6/45

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: -7.255+/-0.030 χ^2/NDF: 87614.8/22

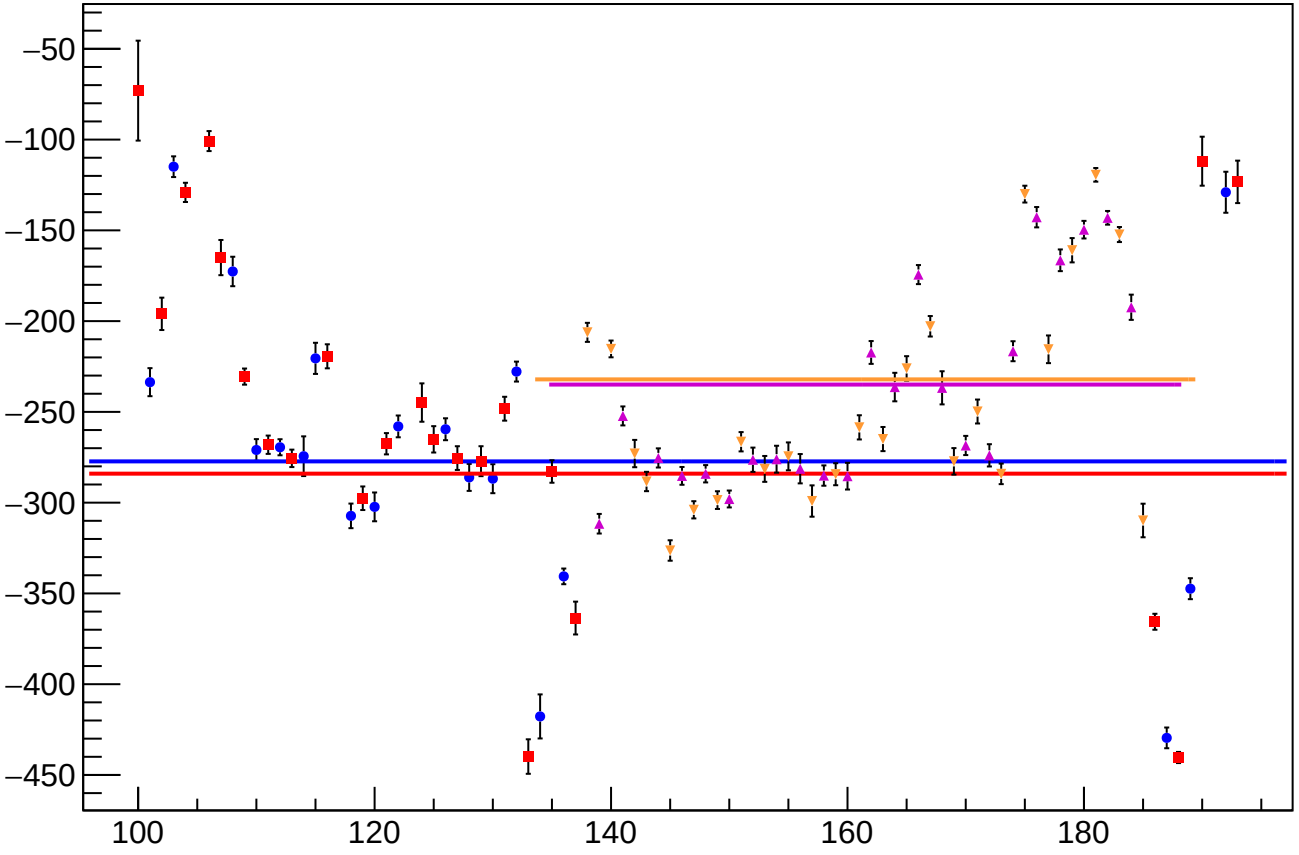
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -9.059+/-0.011 χ^2/NDF: 118787.3/43

All: -9.219+/-0.008 χ^2/NDF: 244524.0/89

- sign -9.385+/-0.011 χ^2/NDF: 125308.3/45

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: -284.026+/-1.279 χ^2/NDF: 6229.9/22

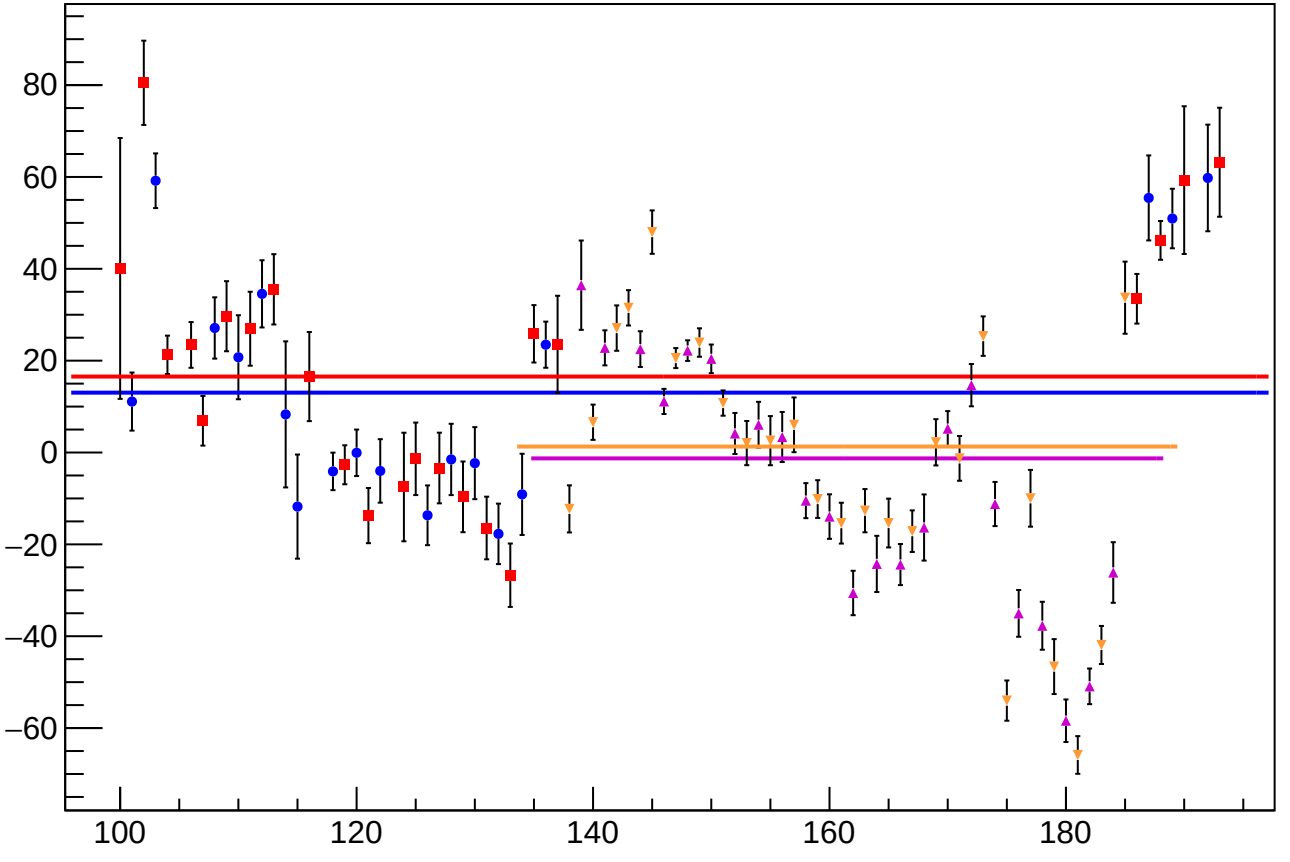
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -248.874+/-0.906 χ^2/NDF: 6418.2/43

All: -253.352+/-0.626 χ^2/NDF: 15963.2/89

- sign -257.436+/-0.865 χ^2/NDF: 9498.4/45

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: 16.538+/-1.382 χ^2/NDF: 286.9/22

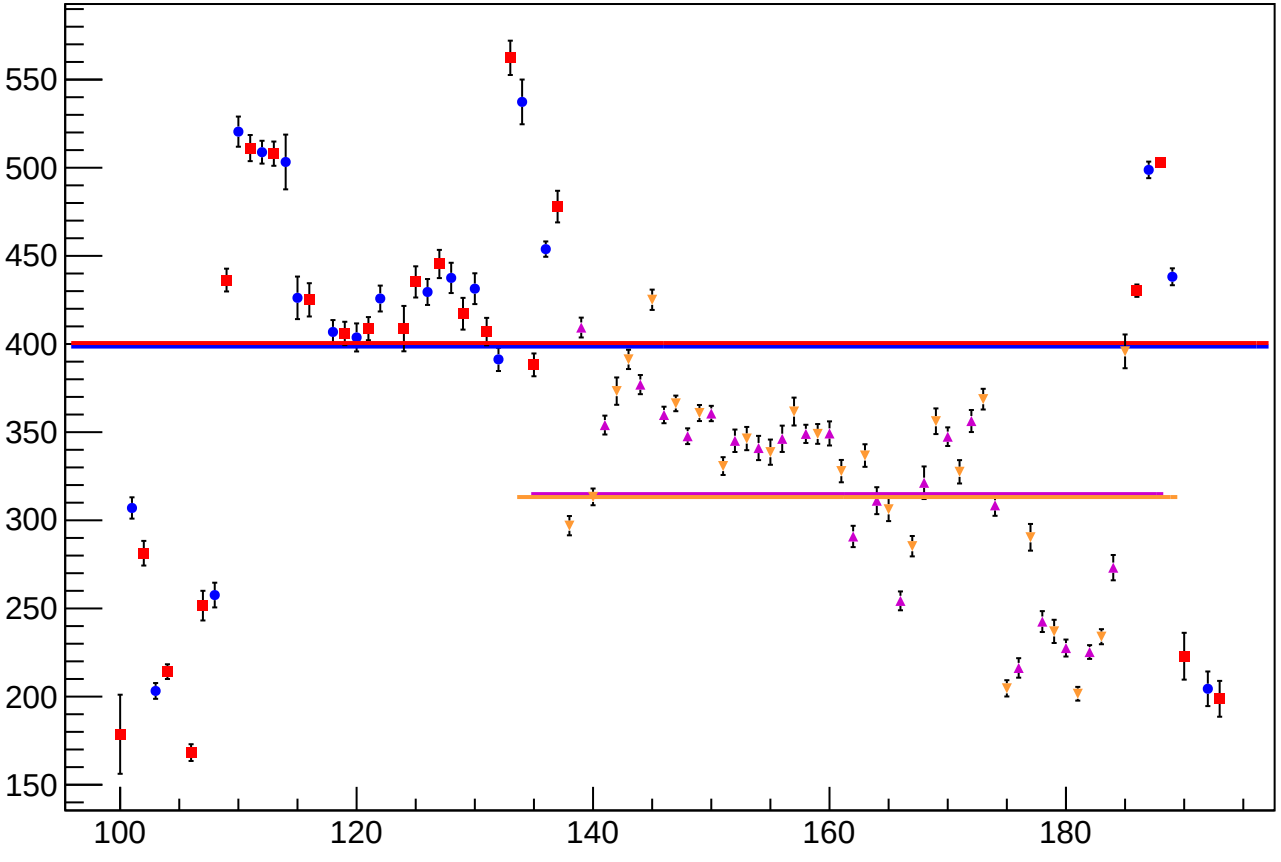
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

\+ sign 3.929+/-0.737 χ^2/NDF: 1330.9/43

All: 3.848+/-0.521 χ^2/NDF: 2548.1/89

\- sign 3.767+/-0.736 χ^2/NDF: 1217.2/45

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: 400.554+/-1.259 χ^2/NDF: 8364.4/22

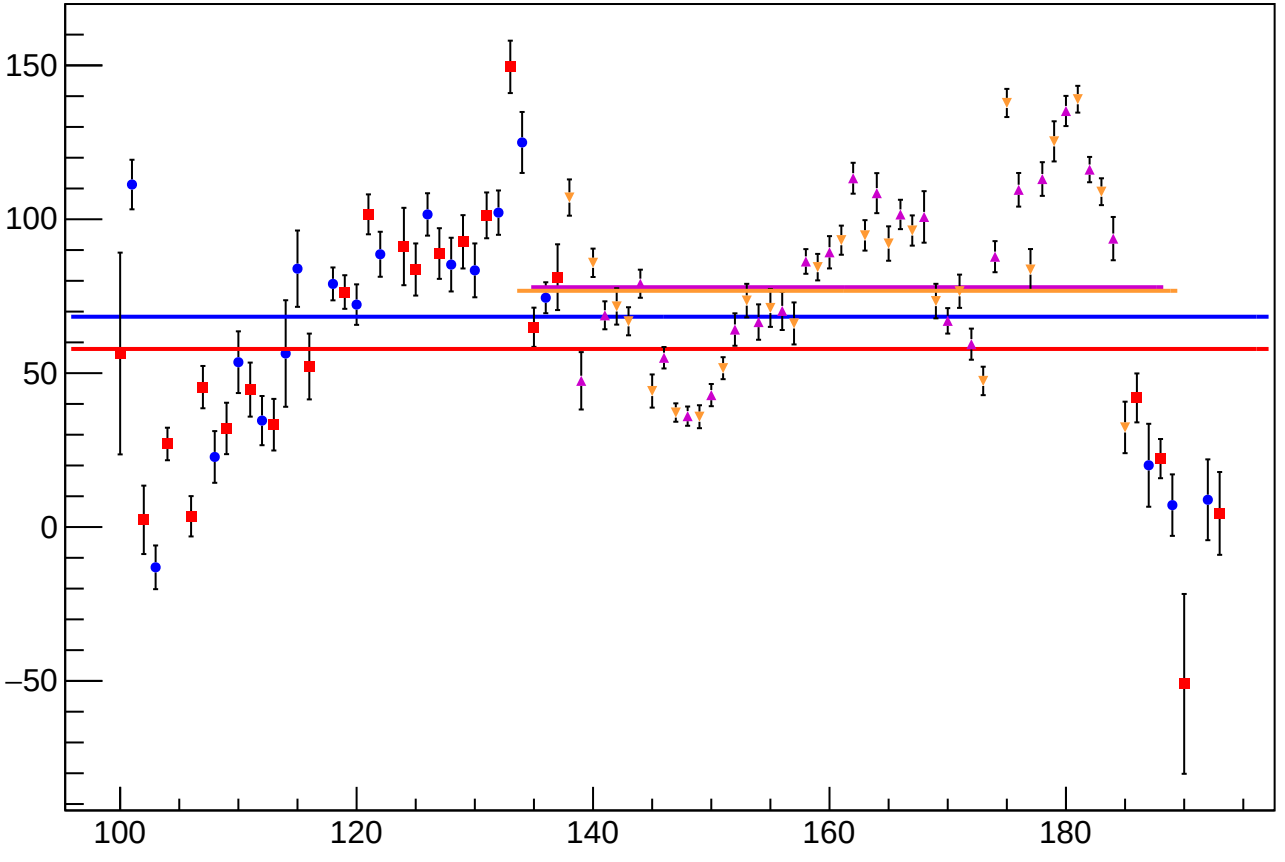
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 343.532+/-0.910 χ^2/NDF: 9493.5/43

All: 349.240+/-0.623 χ^2/NDF: 22863.7/89

- sign 354.259+/-0.854 χ^2/NDF: 13296.3/45

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: 57.862+/-1.672 χ^2/NDF: 476.3/22

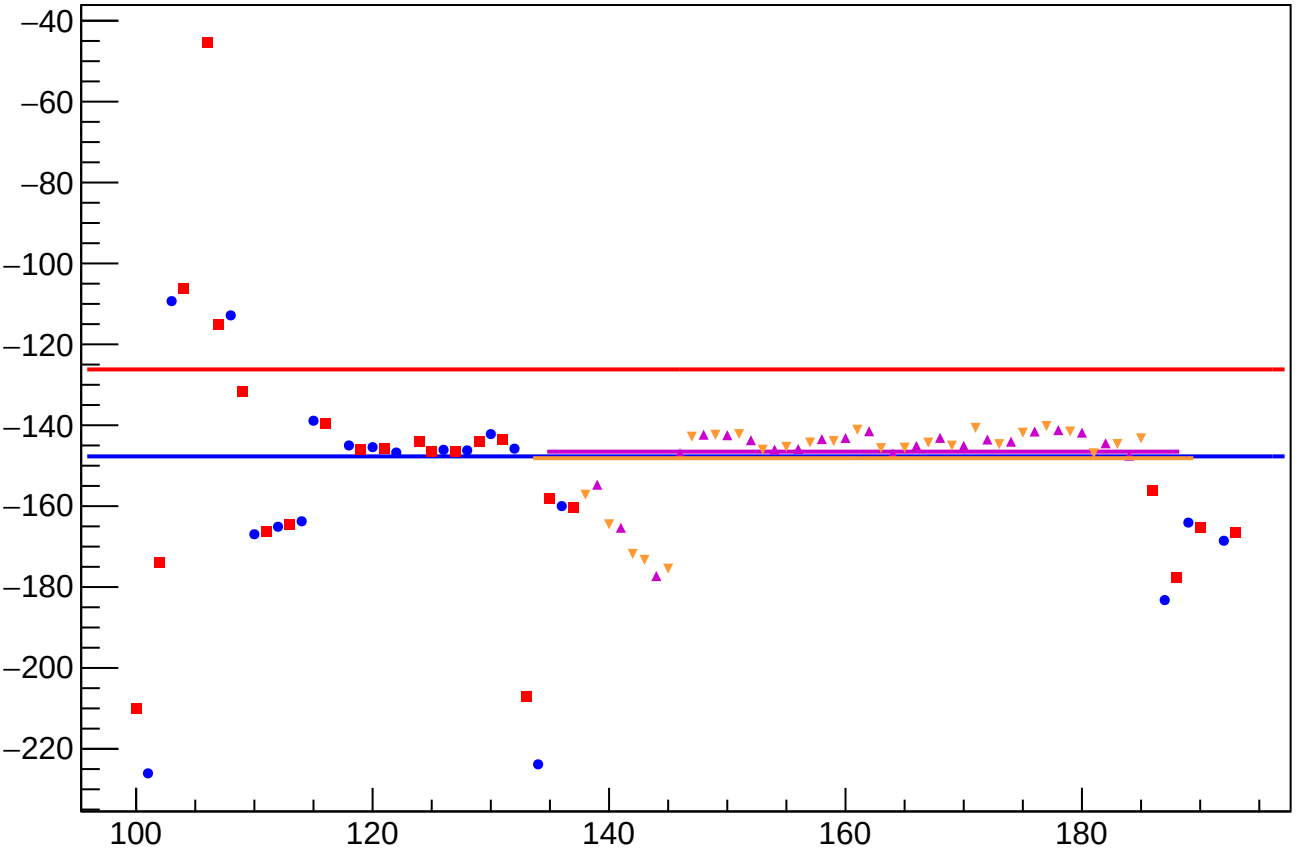
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 74.918+/-0.855 χ^2/NDF: 1432.5/43

All: 73.793+/-0.605 χ^2/NDF: 2802.3/89

- sign 72.663+/-0.856 χ^2/NDF: 1366.3/45

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: -126.200+/-0.083 χ^2/NDF: 310905.5/22

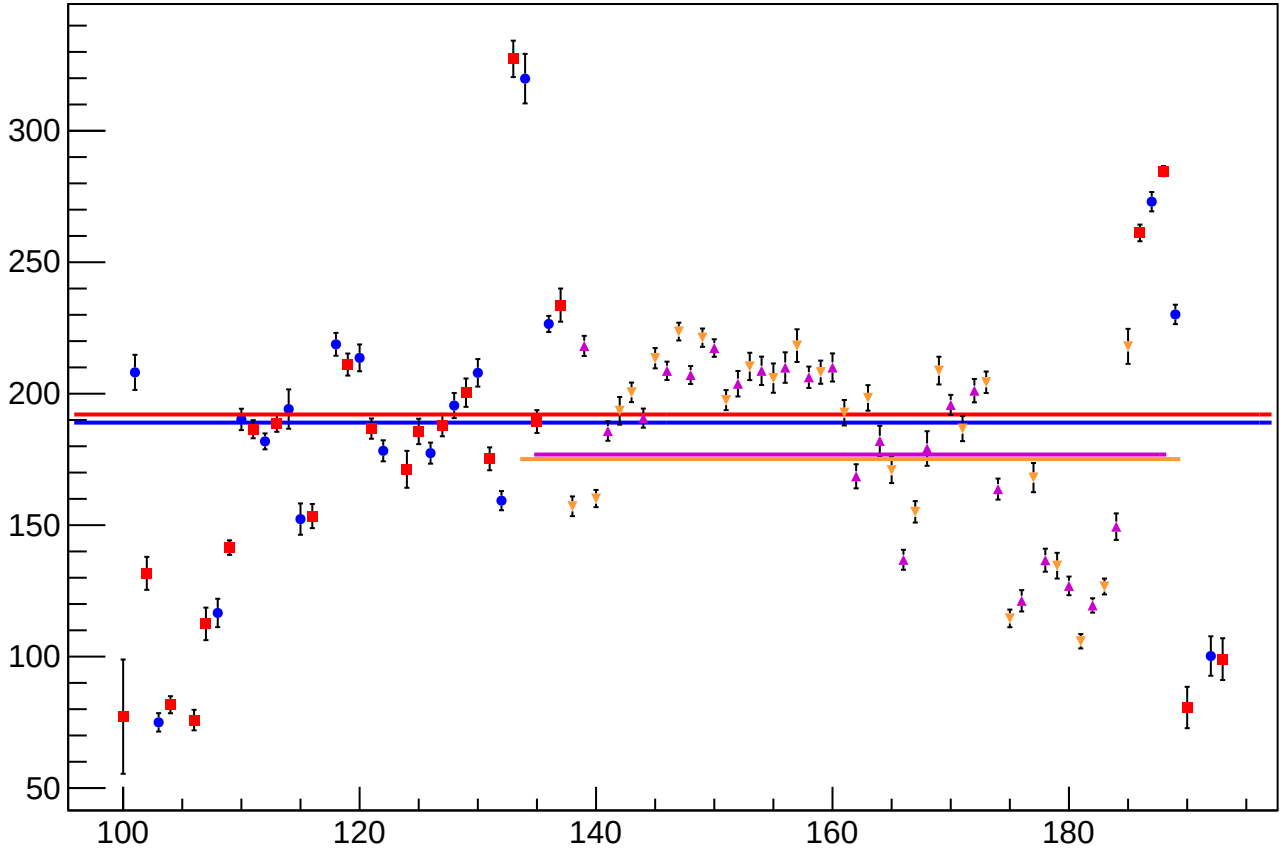
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -148.062+/-0.041 χ^2/NDF: 187489.8/43

All: -144.901+/-0.028 χ^2/NDF: 585422.9/89

- sign -141.836+/-0.040 χ^2/NDF: 385982.1/45

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: 192.090+/-0.846 χ^2/NDF: 6321.8/22

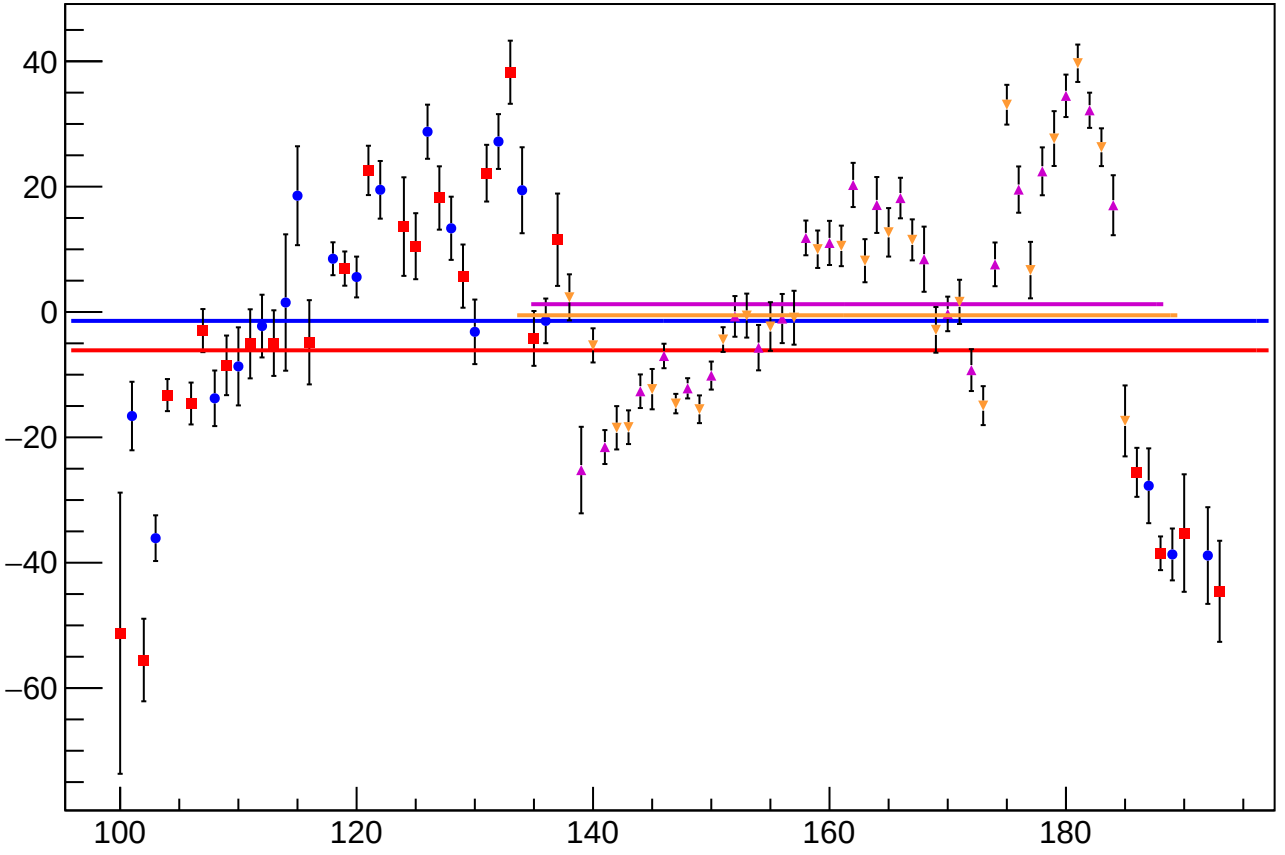
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 180.750+/-0.634 χ^2/NDF: 4999.7/43

All: 182.724+/-0.435 χ^2/NDF: 13257.8/89

- sign 184.485+/-0.599 χ^2/NDF: 8239.7/45

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: -6.114+/-0.910 χ^2/NDF: 521.7/22

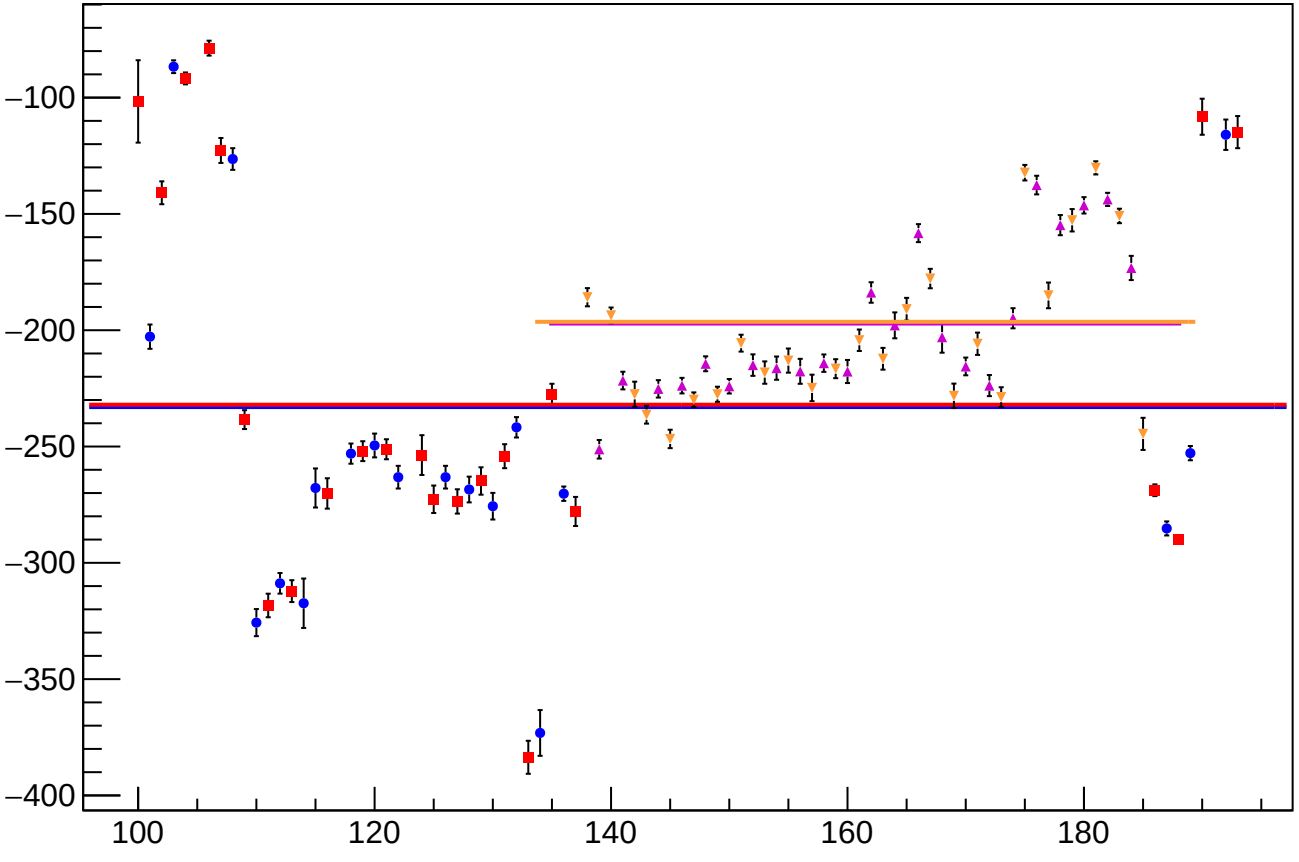
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -0.747+/-0.520 χ^2/NDF: 1111.9/43

All: -0.933+/-0.366 χ^2/NDF: 2298.8/89

- sign -1.116+/-0.516 χ^2/NDF: 1186.6/45

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: -232.026+/-0.829 χ^2/NDF: 9581.7/22

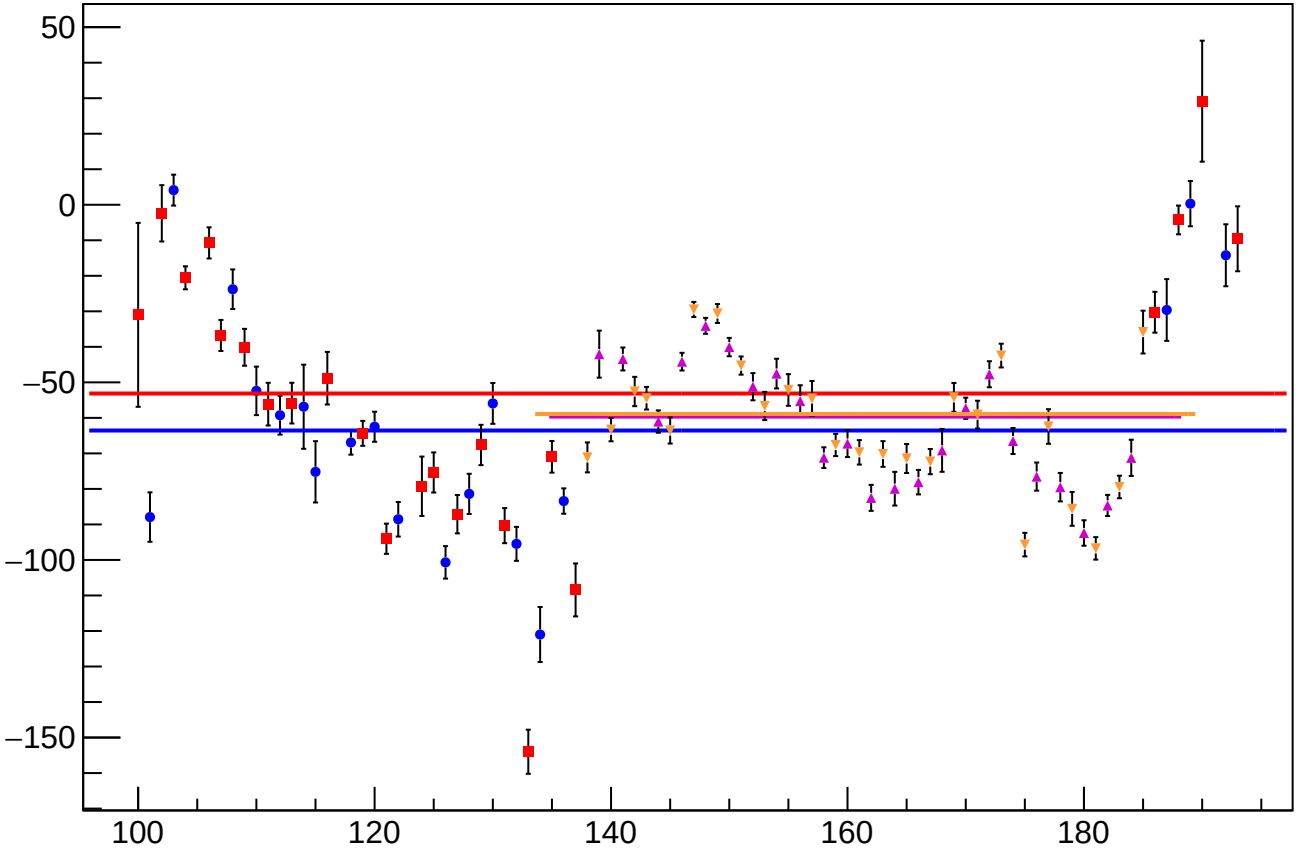
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -210.698+/-0.637 χ^2/NDF: 8022.8/43

All: -212.877+/-0.432 χ^2/NDF: 20105.4/89

- sign -214.740+/-0.589 χ^2/NDF: 12060.9/45

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: -53.142+/-1.104 χ^2/NDF: 1030.8/22

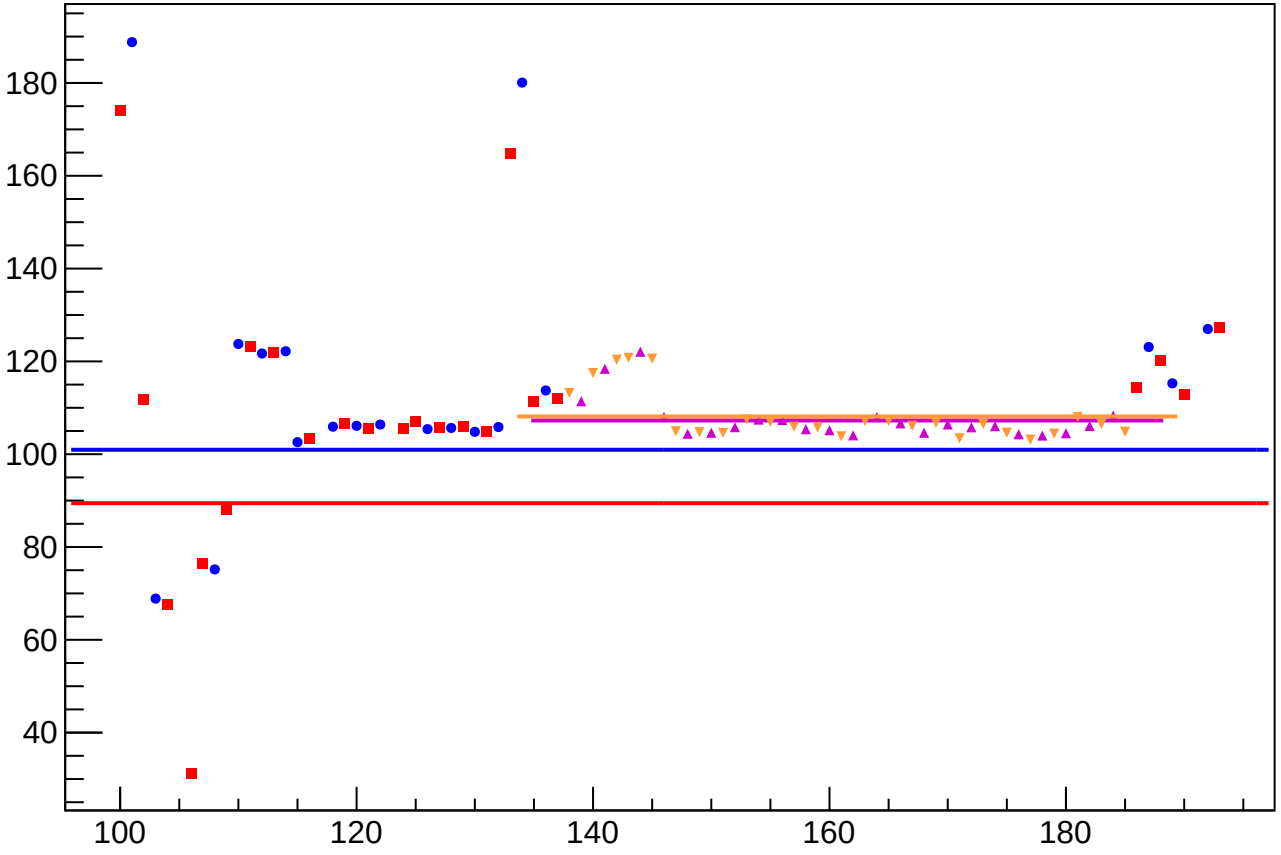
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

\+ sign -60.037+/-0.605 χ^2/NDF: 1487.0/43

All: -58.867+/-0.427 χ^2/NDF: 3146.6/89

\- sign -57.706+/-0.602 χ^2/NDF: 1652.2/45

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

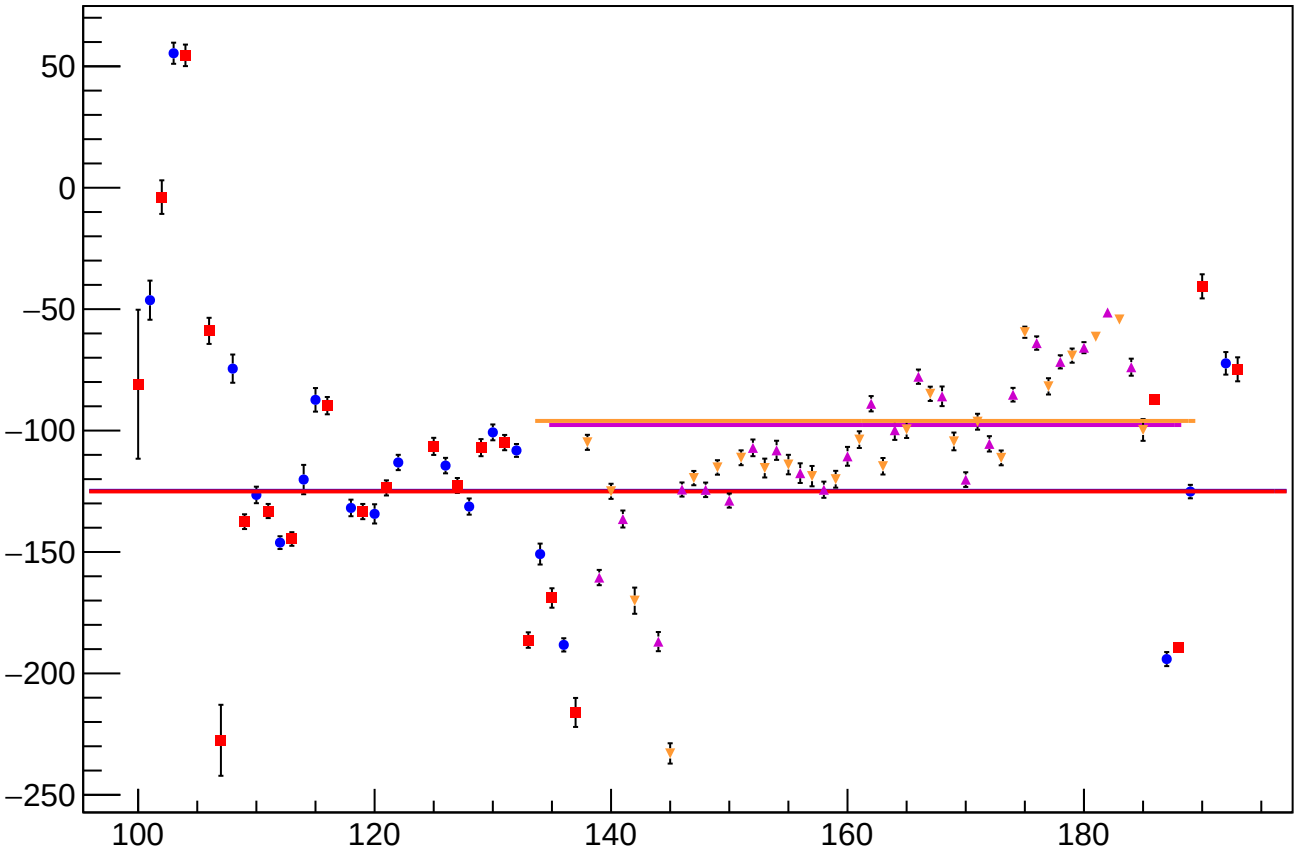
Right Out: 89.443+/-0.056 χ^2/NDF: 318767.9/22

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

\+ sign 106.604+/-0.029 χ^2/NDF: 280004.8/43

All: 104.650+/-0.020 χ^2/NDF: 699360.6/89

\- sign 102.751+/-0.028 χ^2/NDF: 410270.9/45



Right In: -124.816+/-0.802 χ^2/NDF: 3416.9/18

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

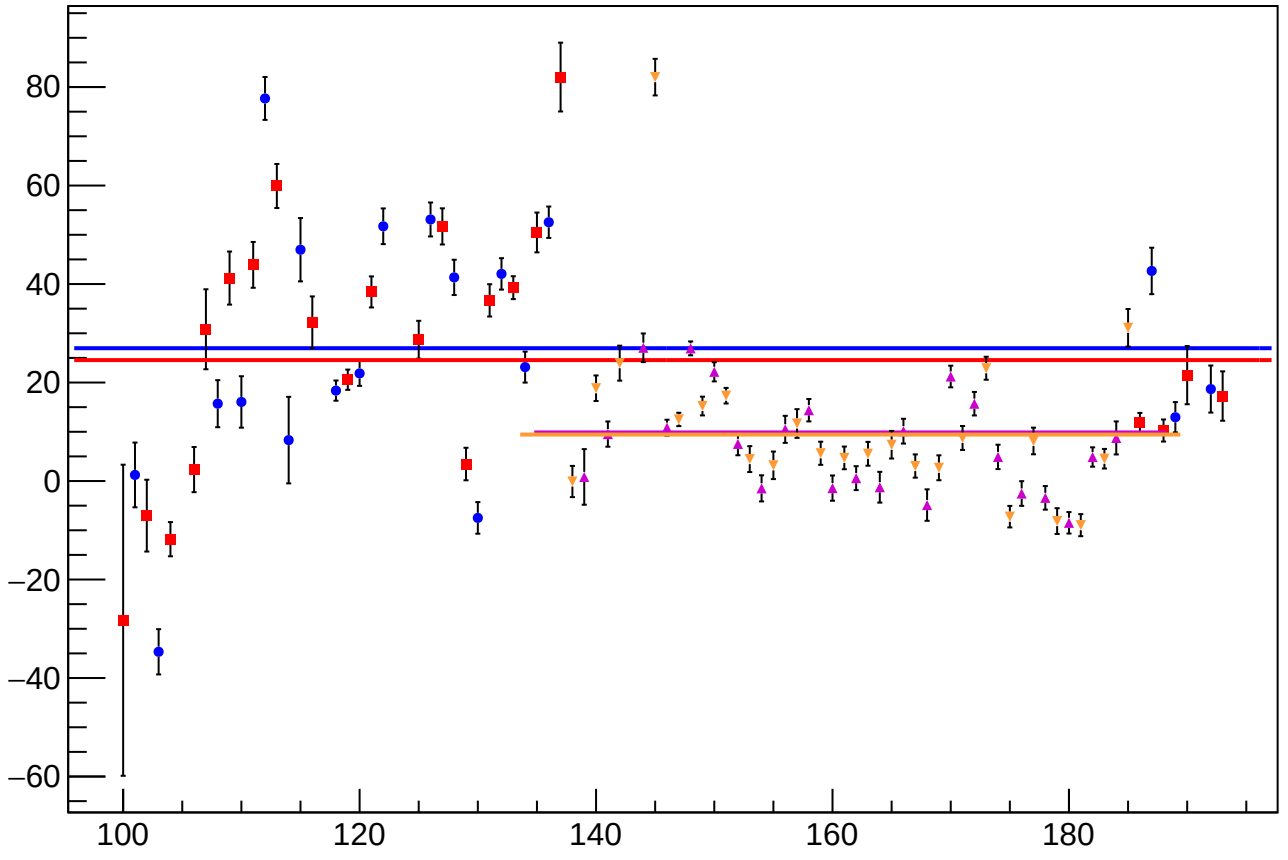
Right Out: -125.056+/-0.685 χ^2/NDF: 5615.3/21

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

\+ sign -107.123+/-0.498 χ^2/NDF: 6980.5/42

All: -108.877+/-0.341 χ^2/NDF: 16112.3/87

\- sign -110.422+/-0.467 χ^2/NDF: 9108.5/44



Right In: 26.971+/-0.827 χ^2/NDF: 735.5/18

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

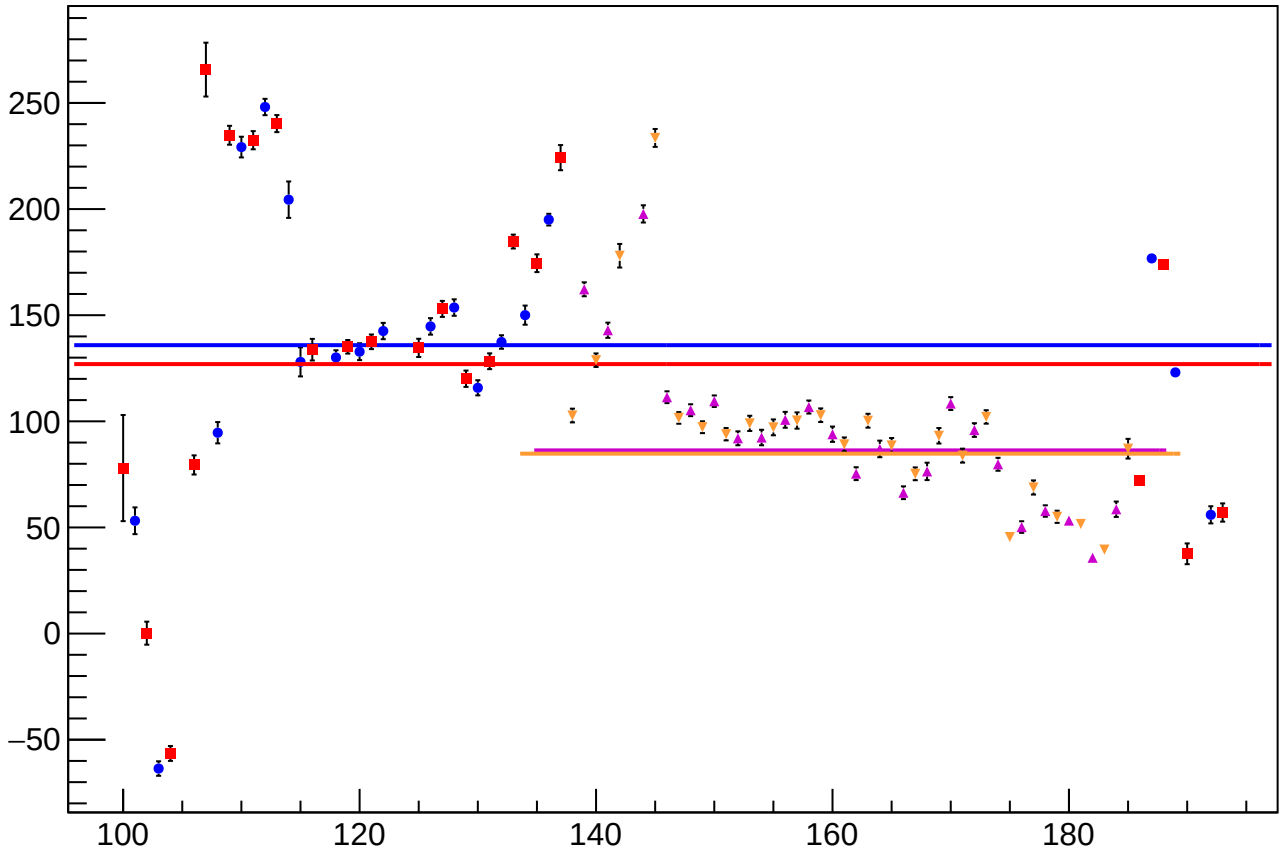
Right Out: 24.556+/-0.751 χ^2/NDF: 611.5/21

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

\+ sign 13.829+/-0.414 χ^2/NDF: 1808.8/42

All: 14.021+/-0.291 χ^2/NDF: 3175.7/87

\- sign 14.208+/-0.408 χ^2/NDF: 1366.4/44



Right In: 135.879+/-0.839 χ^2/NDF: 6179.1/18

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

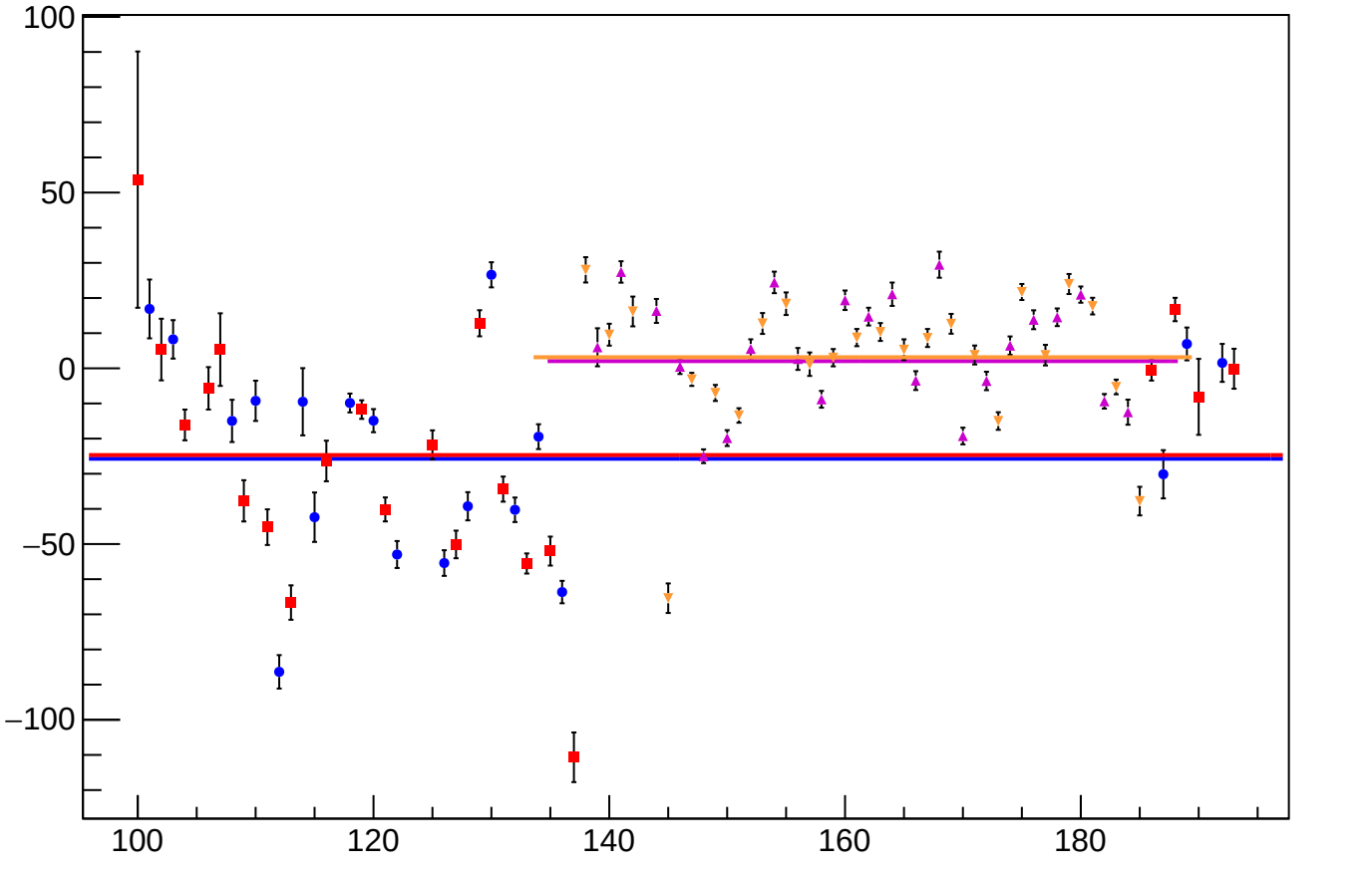
Right Out: 126.961+/-0.666 χ^2/NDF: 9897.9/21

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 103.160+/-0.503 χ^2/NDF: 11666.2/42

All: 104.473+/-0.339 χ^2/NDF: 26691.2/87

\- sign 105.561+/-0.458 χ^2/NDF: 15012.6/44



Right In: -25.731+/-0.972 χ^2/NDF: 871.8/18

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

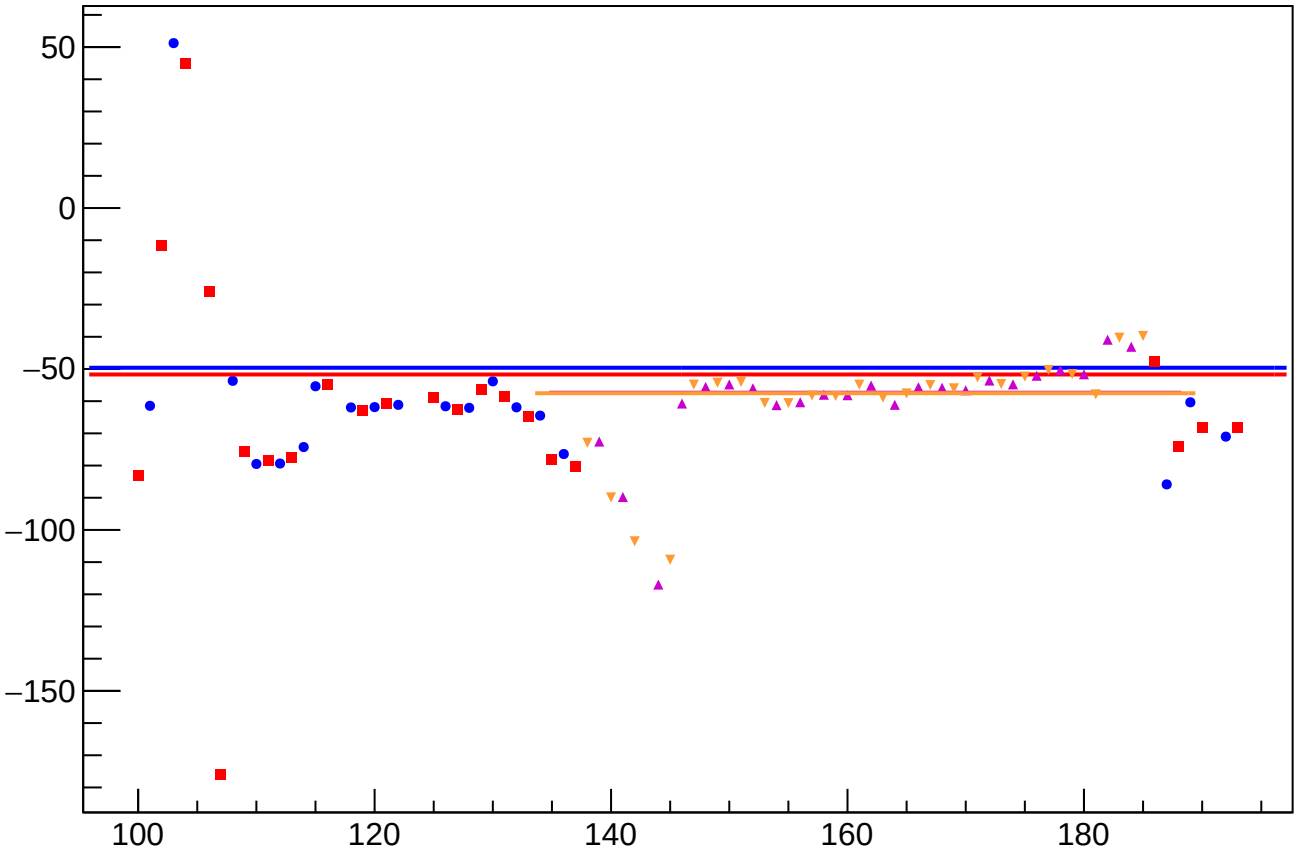
Right Out: -24.685+/-0.917 χ^2/NDF: 880.1/21

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

+ sign -3.732+/-0.475 χ^2/NDF: 2358.1/42

All: -4.391+/-0.335 χ^2/NDF: 4717.5/87

- sign -5.044+/-0.472 χ^2/NDF: 2355.5/44



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: -51.707+/-0.053 χ^2/NDF: 531084.1/21

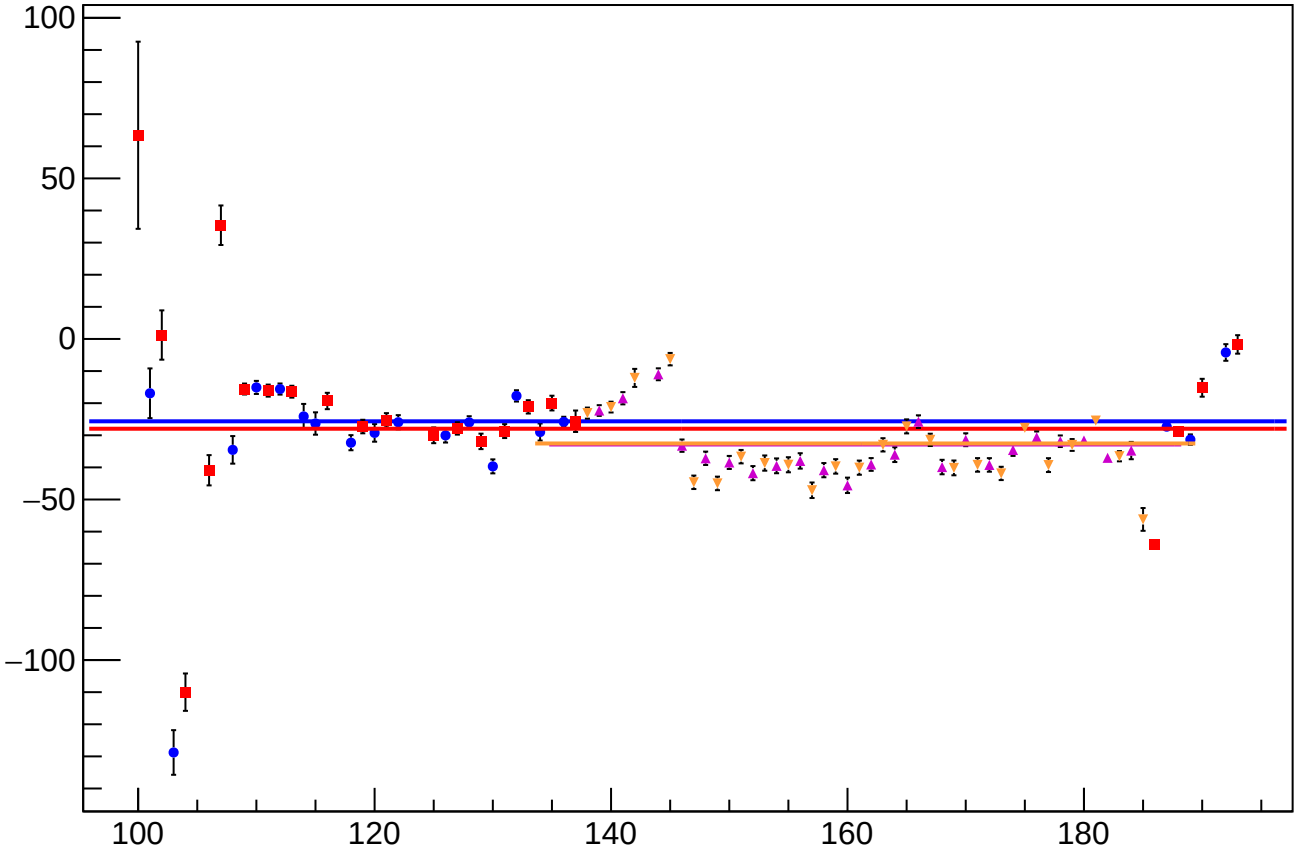
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

\+ sign -56.158+/-0.023 χ^2/NDF: 893131.0/42

All: -56.262+/-0.016 χ^2/NDF: 1660752.7/87

\- sign -56.365+/-0.022 χ^2/NDF: 767579.4/44

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

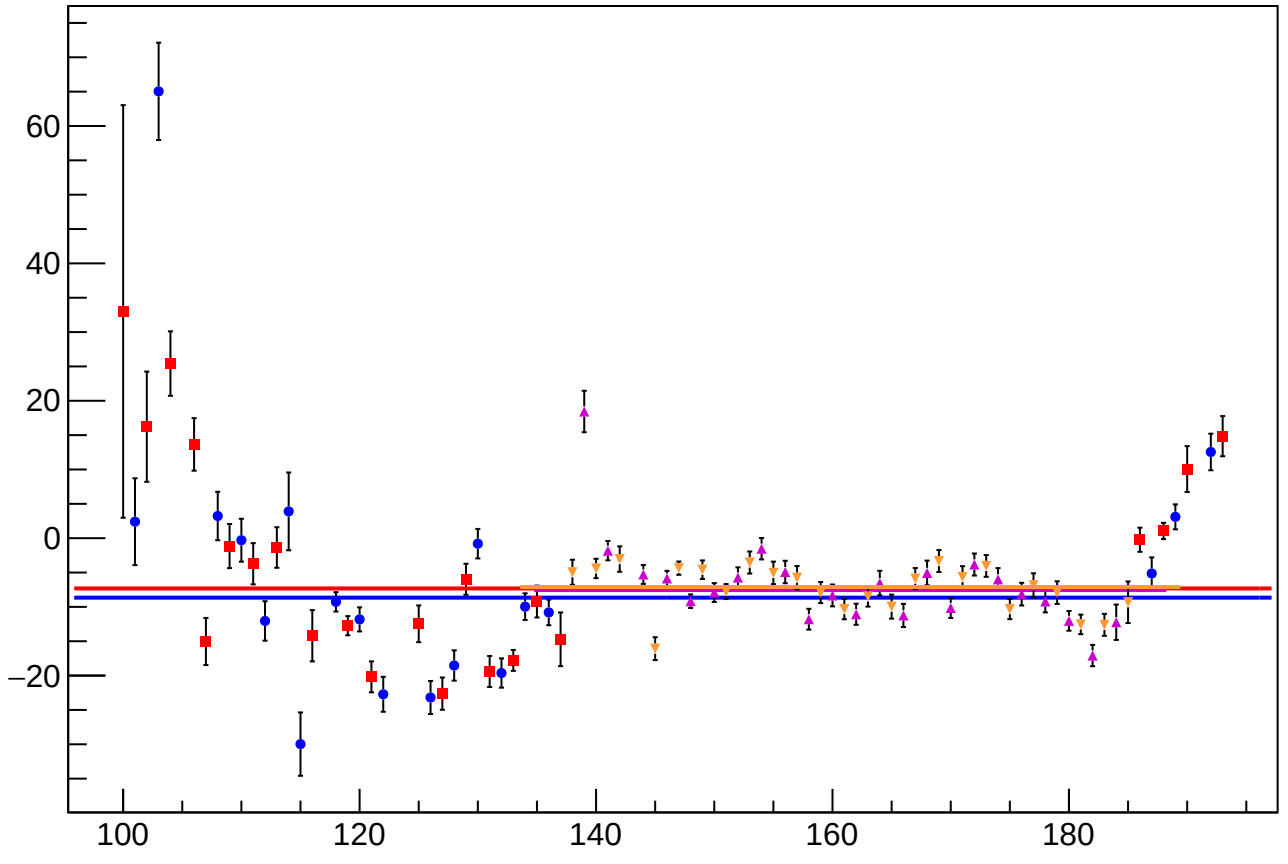
Right Out: -27.959+/-0.443 χ^2/NDF: 1258.3/21

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

\+ sign -29.849+/-0.317 χ^2/NDF: 1161.6/42

All: -30.241+/-0.219 χ^2/NDF: 2862.0/87

\- sign -30.595+/-0.301 χ^2/NDF: 1697.5/44



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: -7.316+/-0.503 χ^2/NDF: 432.1/21

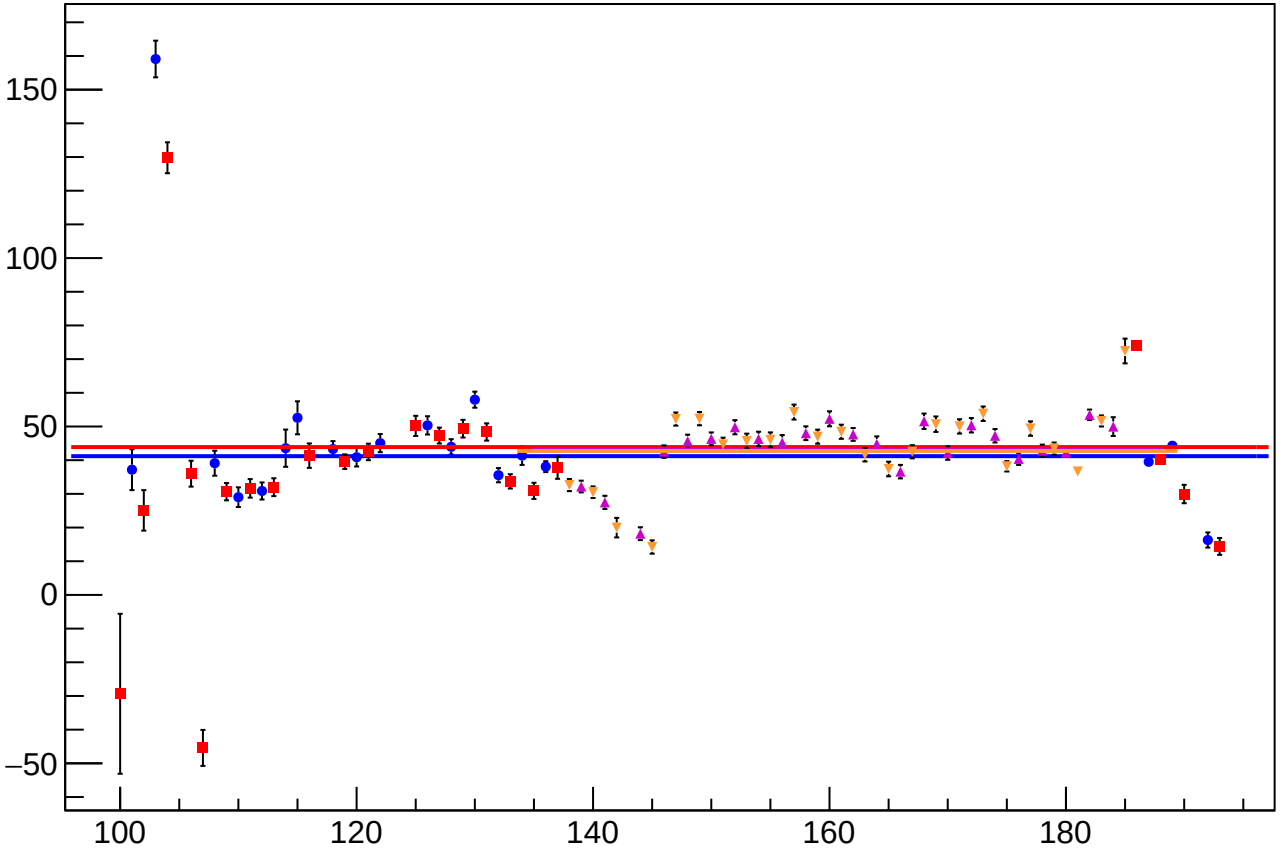
Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -7.489+/-0.269 χ^2/NDF: 512.9/42

All: -7.485+/-0.189 χ^2/NDF: 1144.9/87

- sign -7.482+/-0.267 χ^2/NDF: 632.0/44

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: 41.191+/-0.524 χ^2/NDF: 714.4/18

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 43.888+/-0.432 χ^2/NDF: 1703.8/21

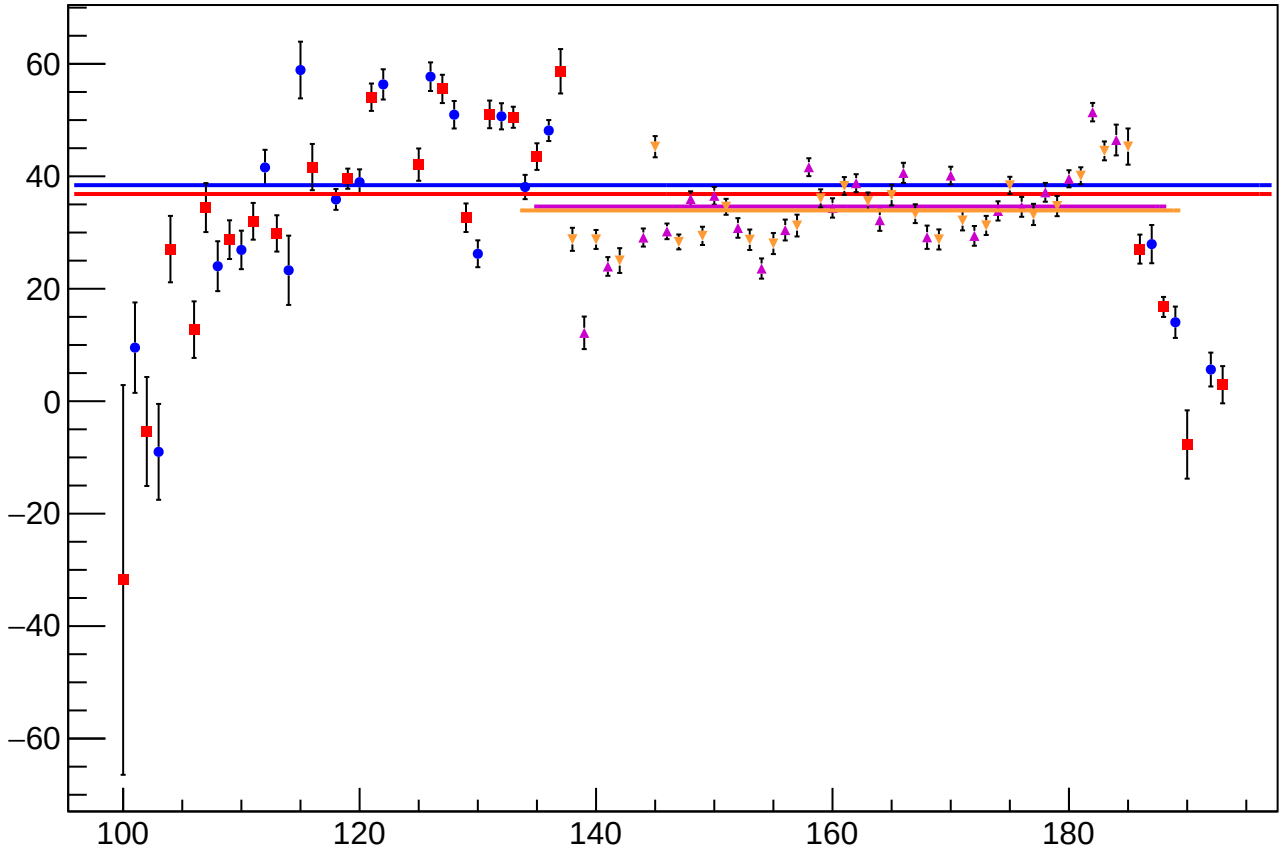
Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

\+ sign 42.167+/-0.320 χ^2/NDF: 1351.5/42

All: 42.888+/-0.217 χ^2/NDF: 3479.2/87

\- sign 43.507+/-0.296 χ^2/NDF: 2118.3/44

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: 38.427+/-0.637 χ^2/NDF: 504.6/18

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

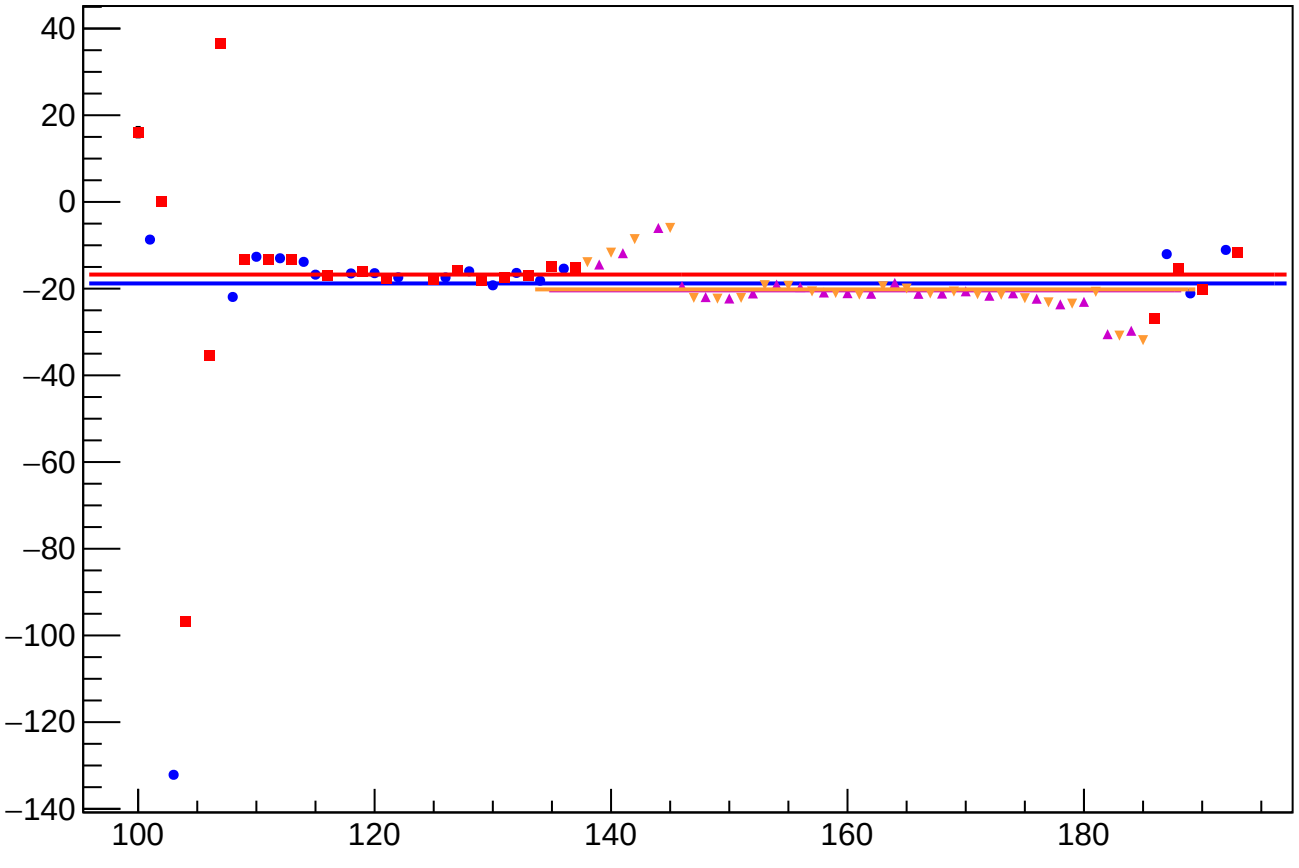
Right Out: 36.850+/-0.614 χ^2/NDF: 601.5/21

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

\+ sign 34.976+/-0.307 χ^2/NDF: 759.4/42

All: 35.080+/-0.218 χ^2/NDF: 1747.0/87

\- sign 35.185+/-0.308 χ^2/NDF: 987.4/44



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: -16.751+/-0.036 χ^2/NDF: 210737.2/21

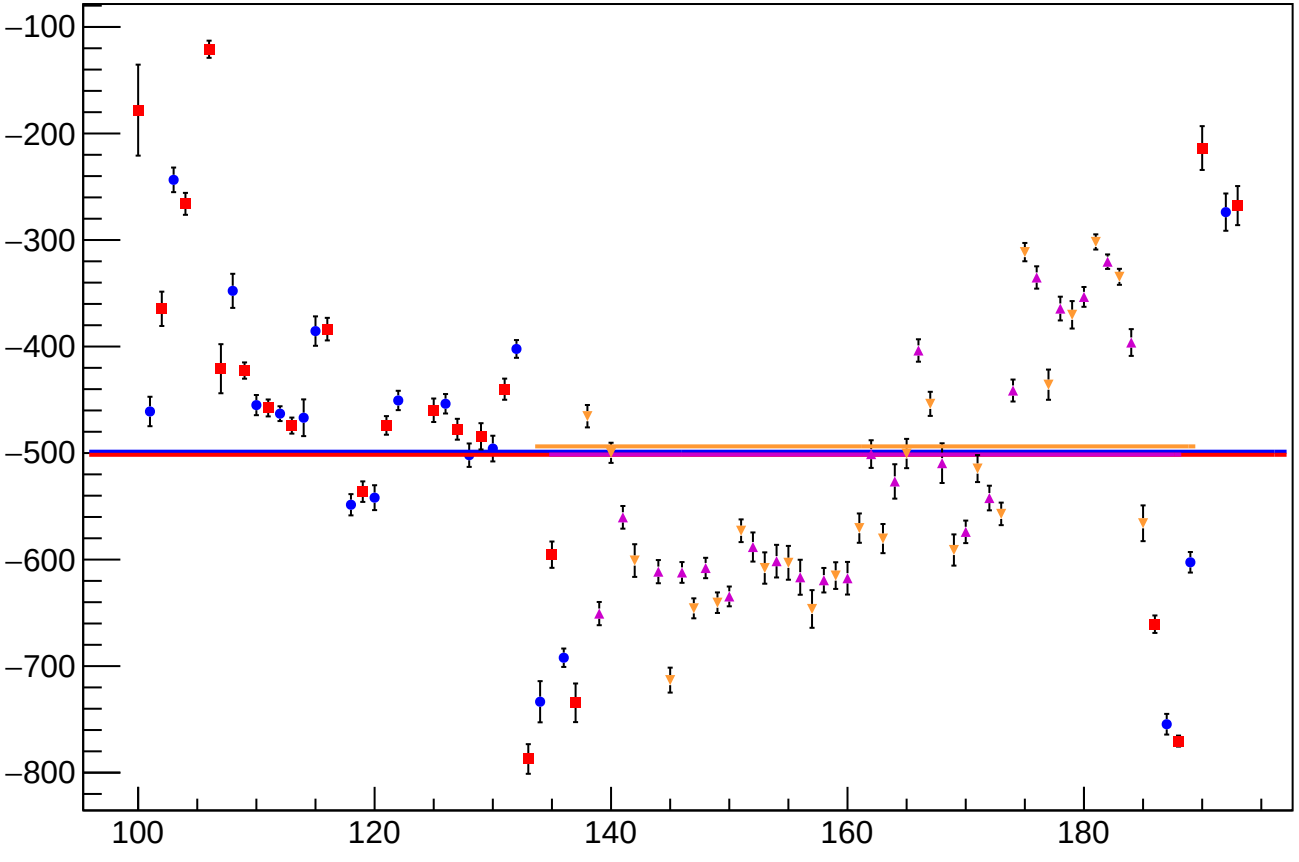
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.954+/-0.014 χ^2/NDF: 356421.4/42

All: -19.880+/-0.010 χ^2/NDF: 656998.8/87

- sign -19.806+/-0.014 χ^2/NDF: 300524.7/44

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

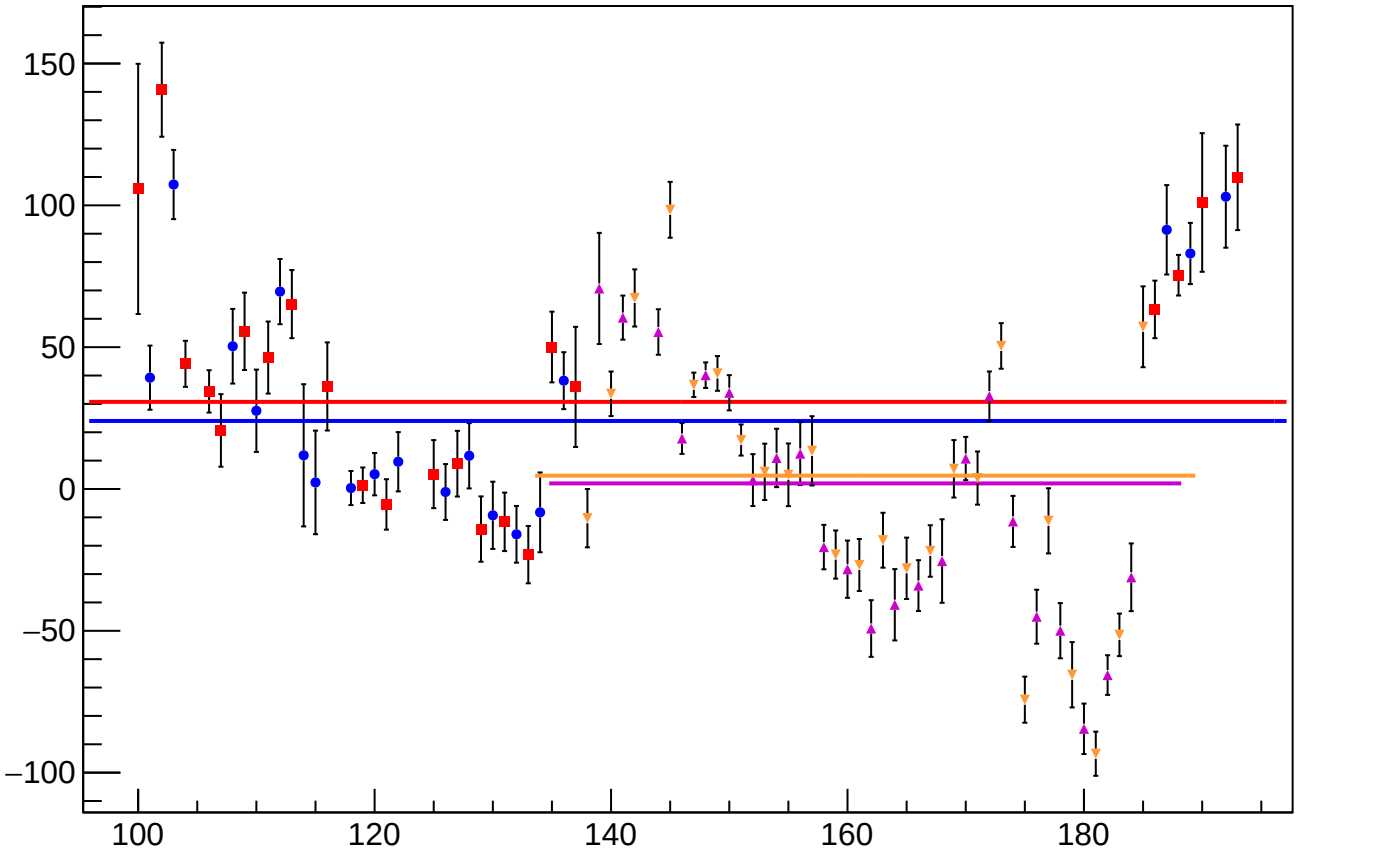
Right Out: -501.623+/-2.120 χ^2/NDF: 7349.2/21

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

\+ sign -496.070+/-1.670 χ^2/NDF: 5704.9/42

All: -498.985+/-1.140 χ^2/NDF: 15749.2/87

\- sign -501.533+/-1.561 χ^2/NDF: 10038.5/44



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: 30.713+/-2.308 χ^2/NDF: 248.8/21

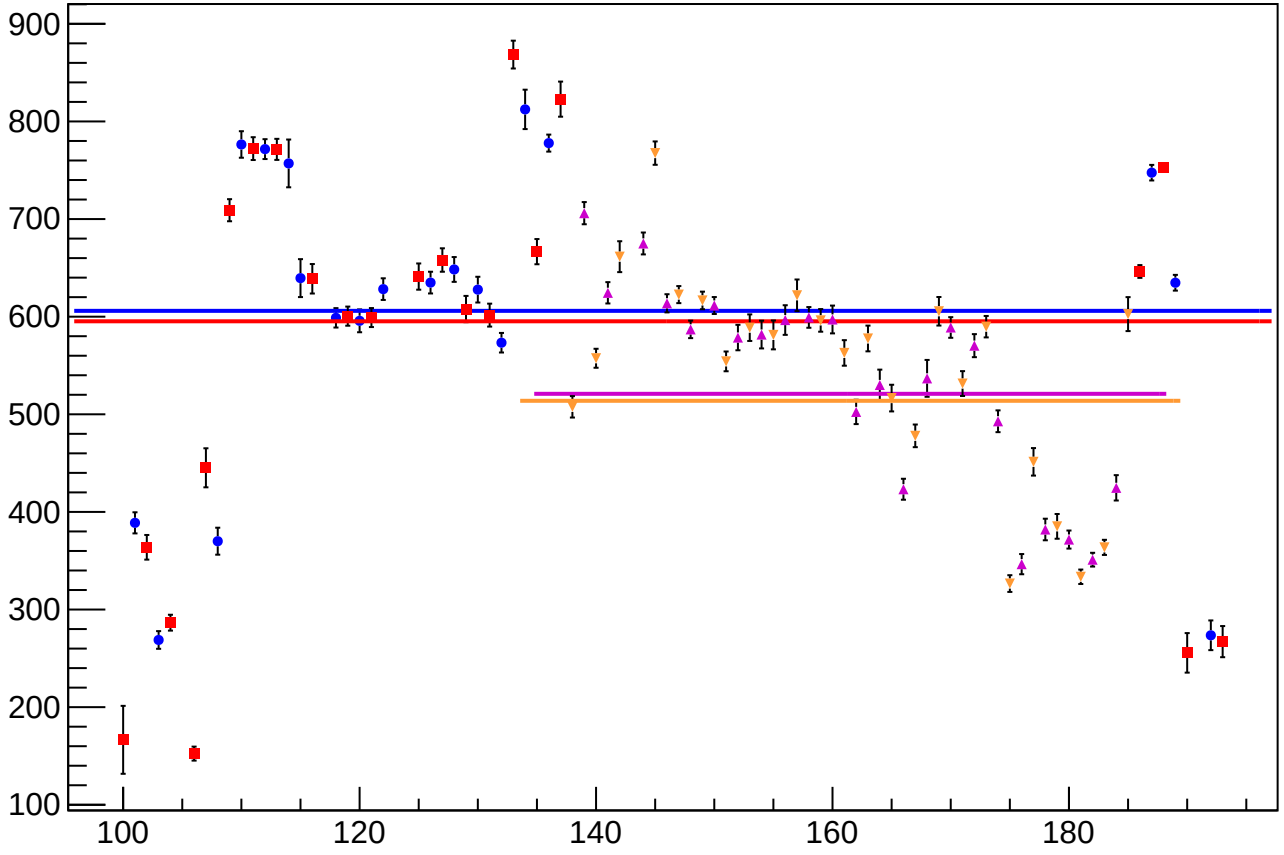
Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

\+ sign 10.720+/-1.407 χ^2/NDF: 920.5/42

All: 11.500+/-0.985 χ^2/NDF: 1830.4/87

\- sign 12.250+/-1.380 χ^2/NDF: 909.3/44

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 605.976+/-2.566 χ^2/NDF: 3877.8/18

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

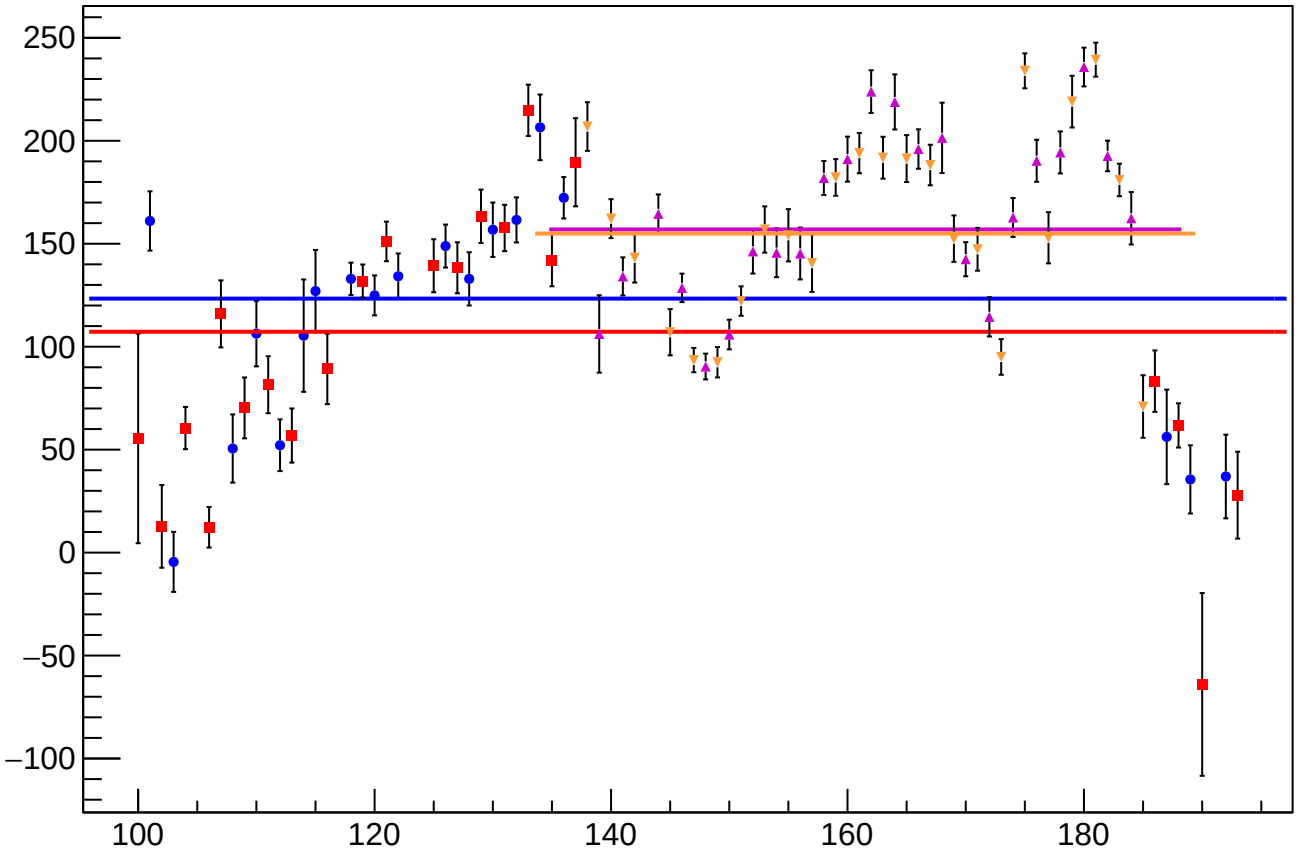
Right Out: 595.271+/-2.130 χ^2/NDF: 9217.0/21

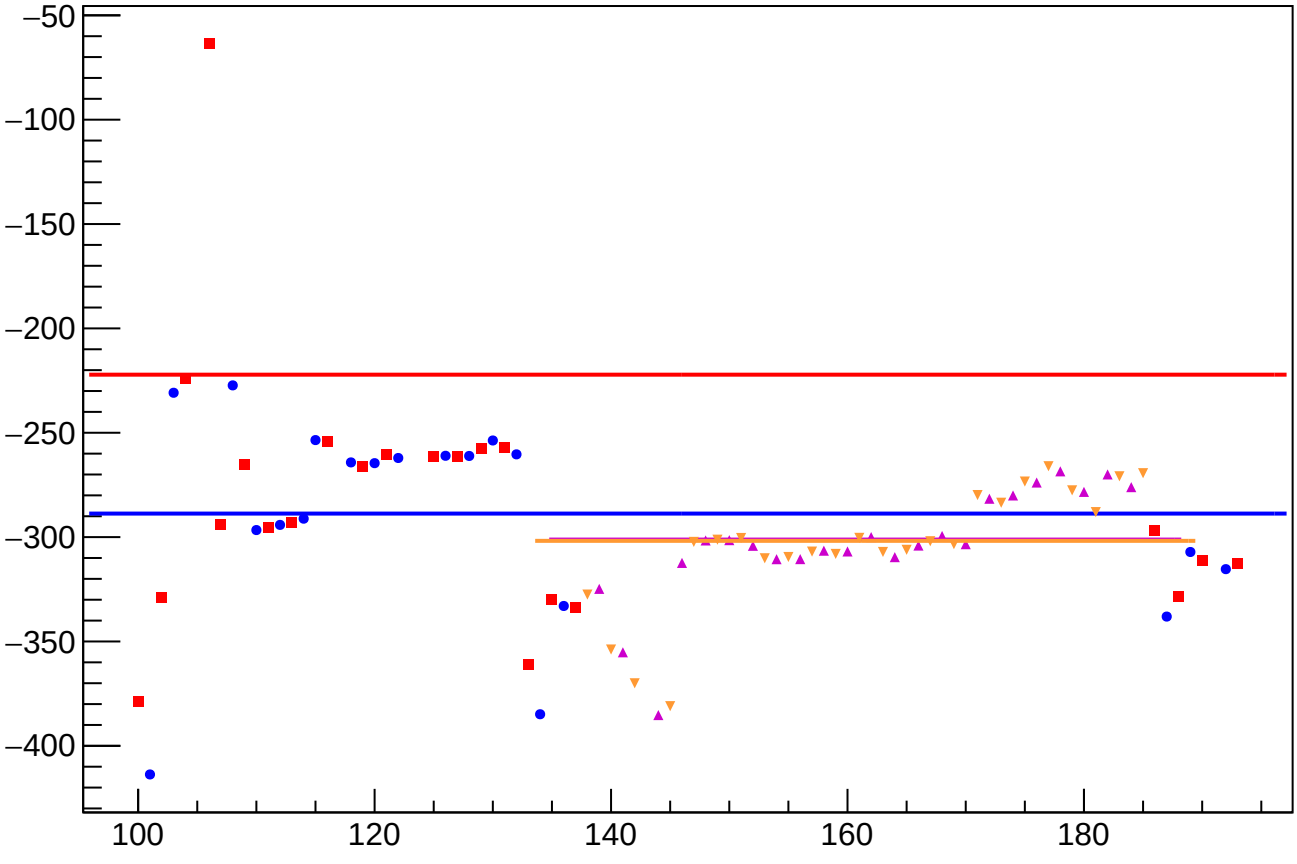
Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 554.430+/-1.703 χ^2/NDF: 7334.9/42

All: 557.851+/-1.149 χ^2/NDF: 19568.1/87

- sign 560.713+/-1.557 χ^2/NDF: 12225.8/44


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug
250
200
150
100
50
0
−50
−100
100
120
140
160
180
Right In: 123.353+/-2.970 χ²/NDF: 270.1/18
Left Out: 154.944+/-1.953 χ²/NDF:609.0/23
Right Out: 107.256+/-2.786 χ²/NDF: 390.7/21
Left In: 156.934+/-1.971 χ²/NDF:443.2/22
+ sign 145.409+/-1.632 χ²/NDF: 958.0/42
All: 142.851+/-1.146 χ²/NDF: 2008.6/87
- sign 140.364+/-1.609 χ²/NDF: 1045.7/44



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: -222.170+/-0.139 χ^2/NDF: 608300.1/21

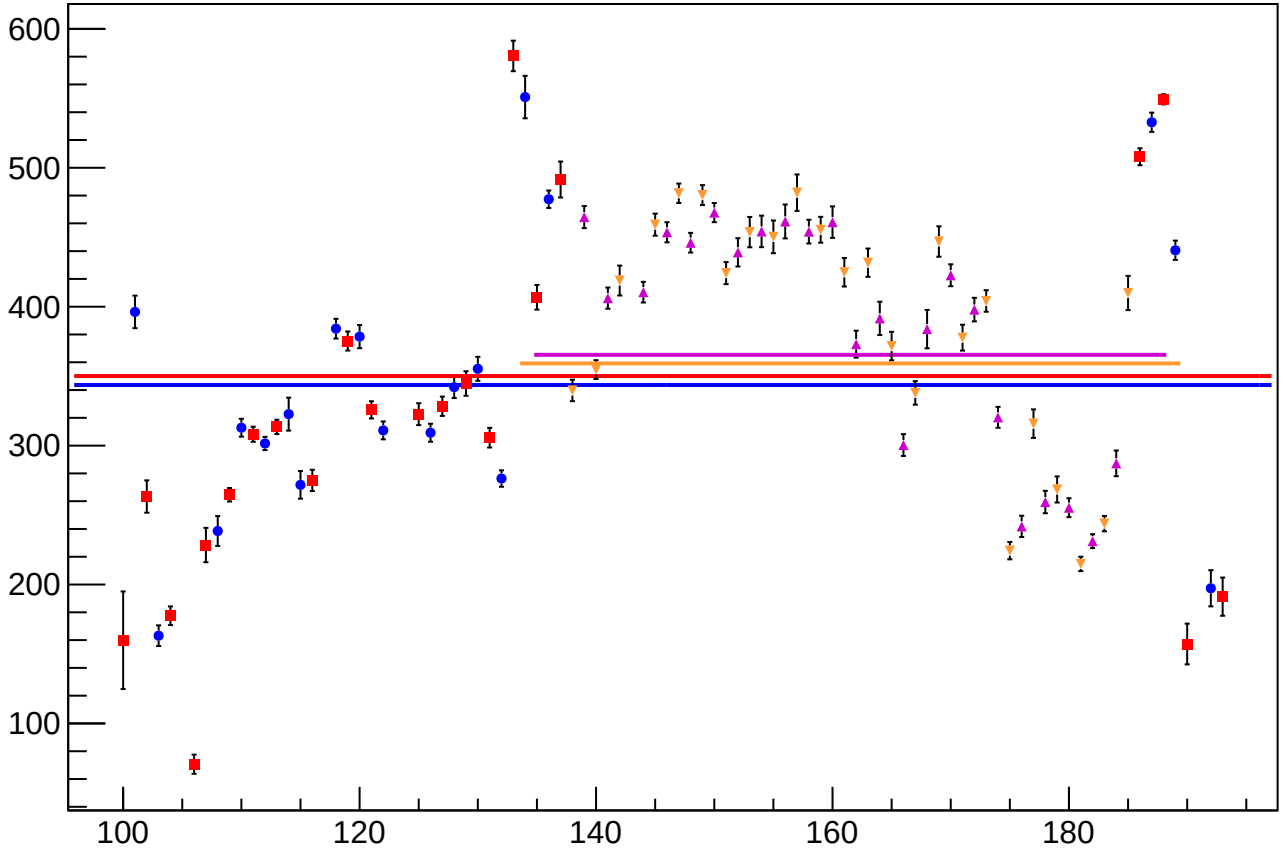
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -298.768+/-0.080 χ^2/NDF: 200139.2/42

All: -287.724+/-0.055 χ^2/NDF: 1148376.4/87

- sign -277.784+/-0.076 χ^2/NDF: 911675.5/44

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

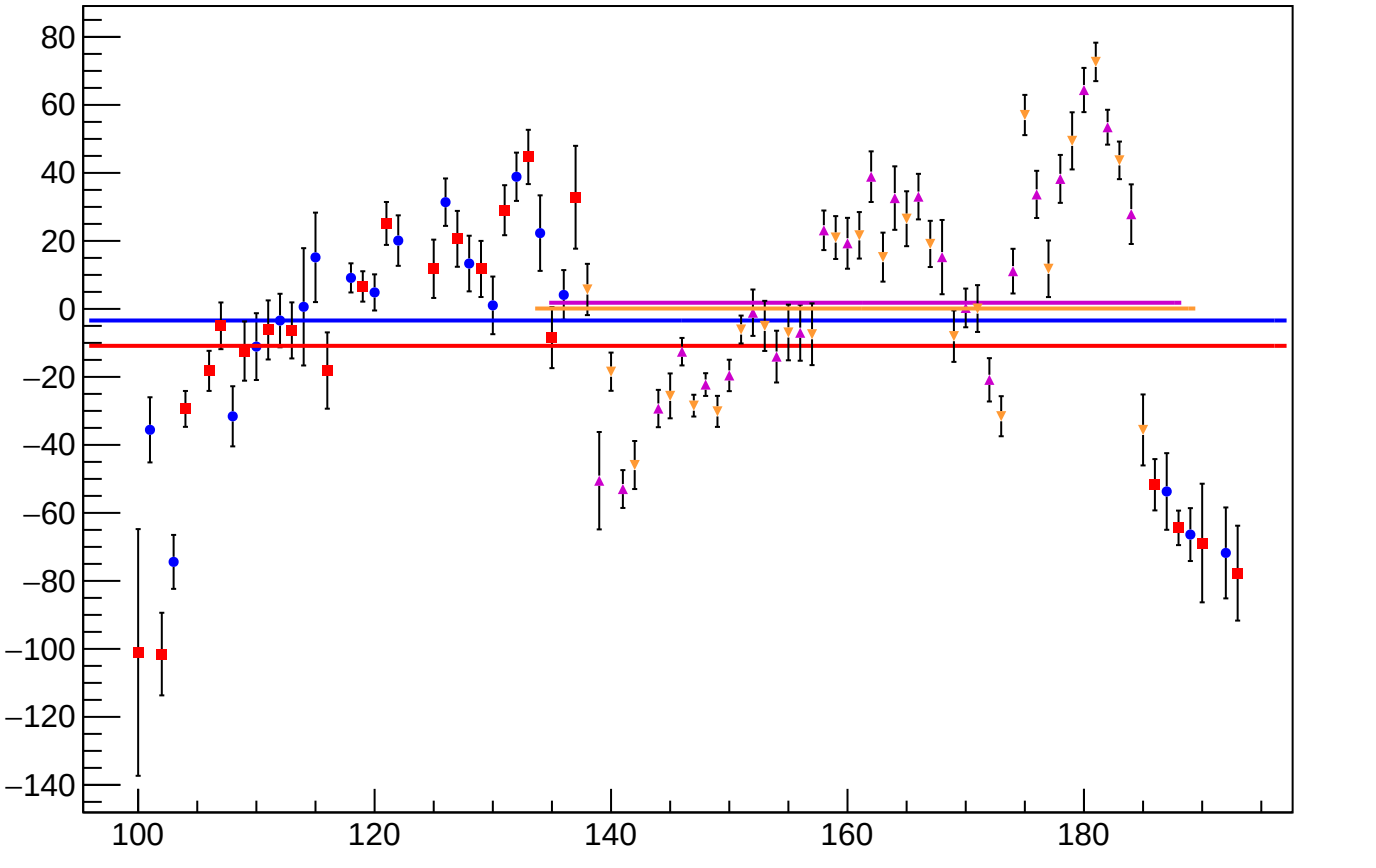
Right Out: 350.080+/-1.500 χ^2/NDF: 7648.8/21

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 351.594+/-1.203 χ^2/NDF: 6026.0/42

All: 354.379+/-0.821 χ^2/NDF: 16469.9/87

- sign 356.805+/-1.123 χ^2/NDF: 10433.9/44



Right In: -3.409+/-1.798 χ^2/NDF: 307.9/18

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

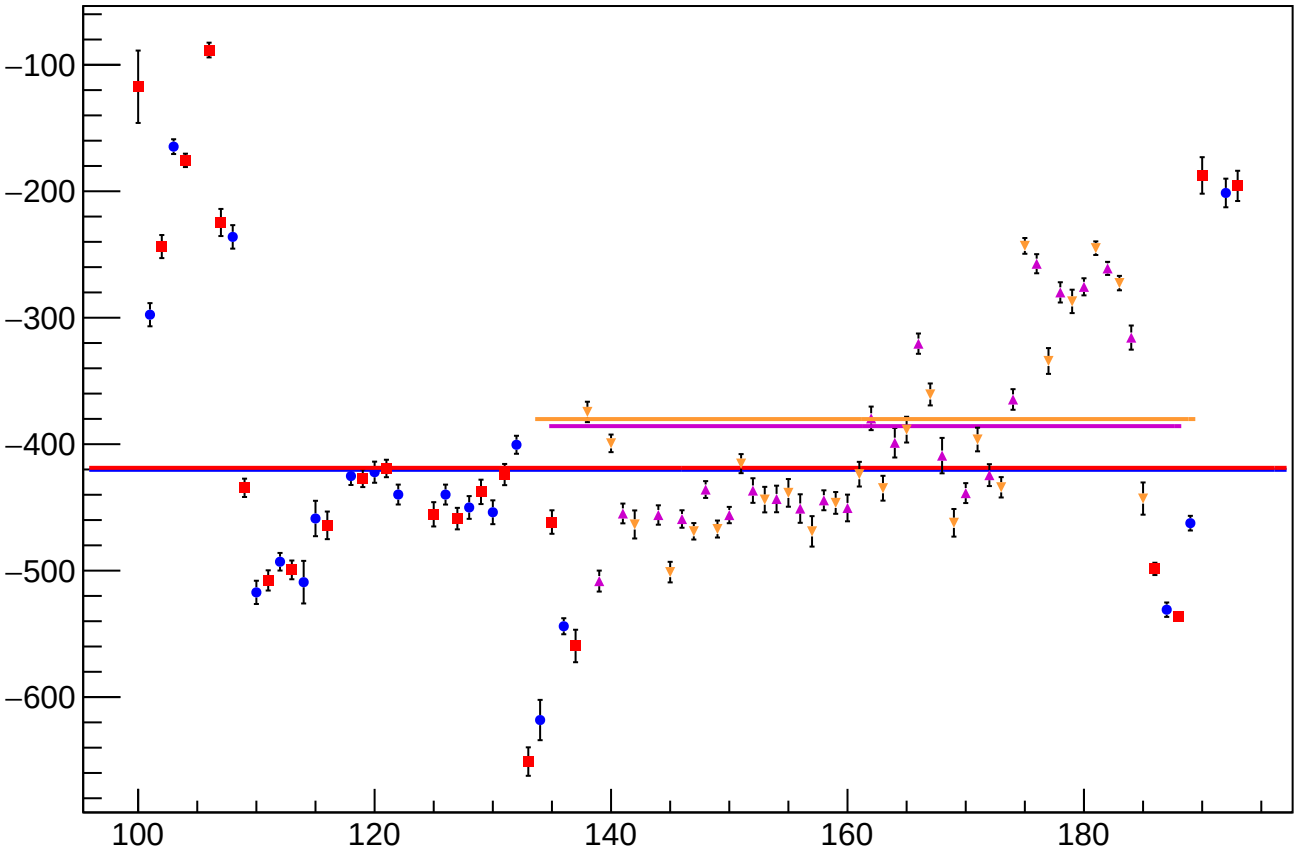
Right Out: -10.865+/-1.630 χ^2/NDF: 415.4/21

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

+ sign -1.030+/-1.025 χ^2/NDF: 948.4/42

All: -2.020+/-0.716 χ^2/NDF: 1980.4/87

- sign -2.963+/-1.000 χ^2/NDF: 1030.2/44



Right In: -420.275+/-1.823 χ^2/NDF: 4122.0/18

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

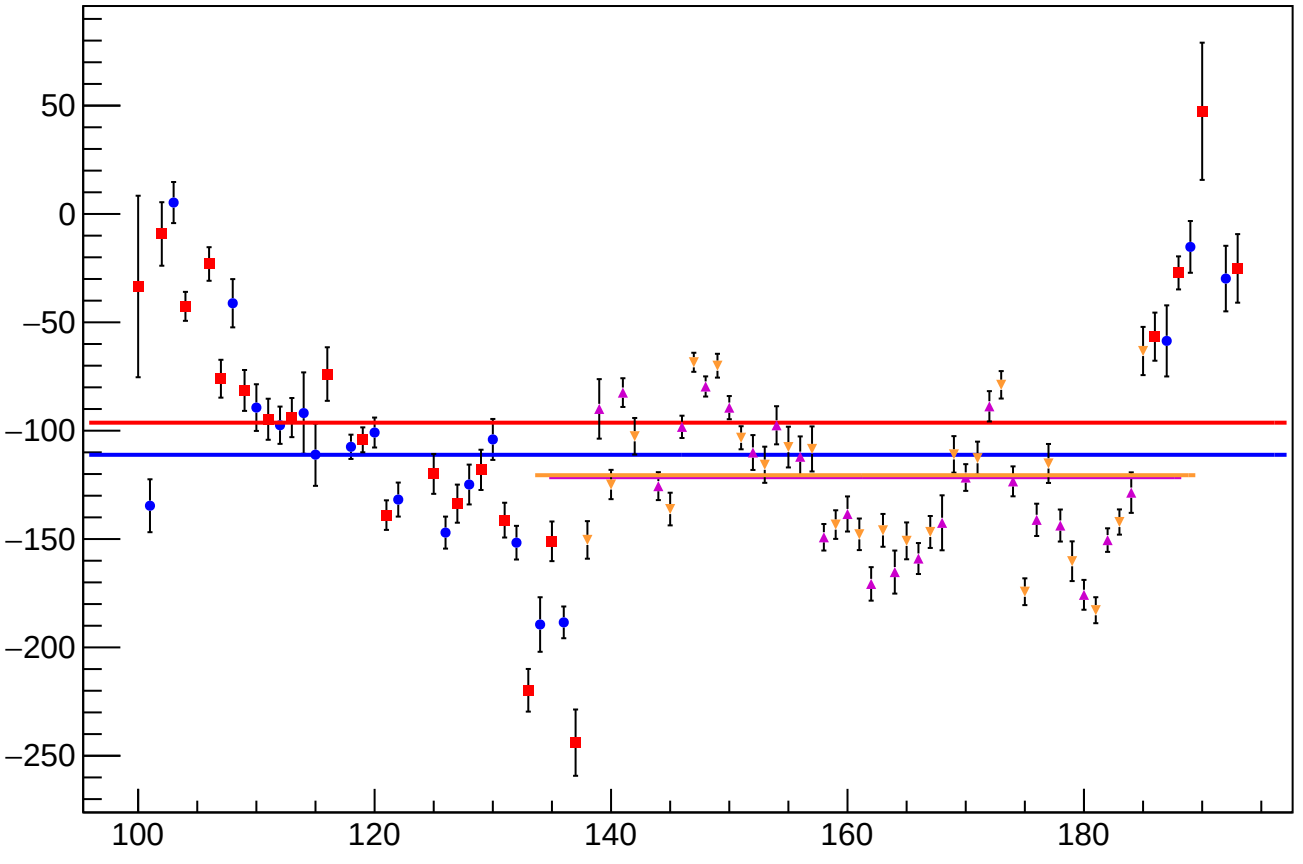
Right Out: -418.700+/-1.515 χ^2/NDF: 9492.0/21

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -398.451+/-1.231 χ^2/NDF: 7004.1/42

All: -401.409+/-0.830 χ^2/NDF: 19080.8/87

- sign -403.876+/-1.124 χ^2/NDF: 12066.1/44



Right In: -111.130+/-2.119 χ^2/NDF: 518.7/18

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

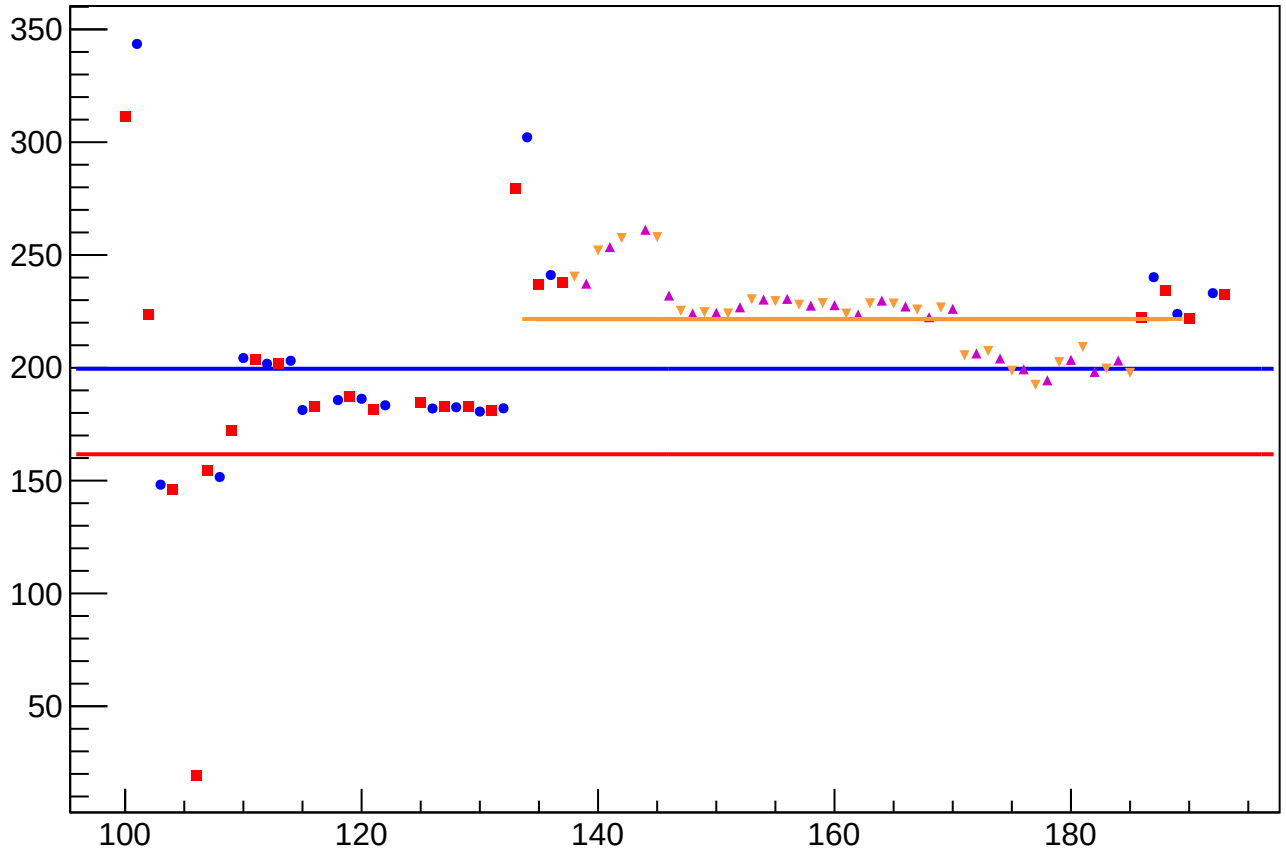
Right Out: -96.305+/-1.965 χ^2/NDF: 727.3/21

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -117.581+/-1.188 χ^2/NDF: 1143.7/42

All: -115.038+/-0.832 χ^2/NDF: 2418.8/87

- sign -112.588+/-1.167 χ^2/NDF: 1266.0/44



Right In: 199.577+/-0.117 χ^2/NDF: 186872.7/18

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

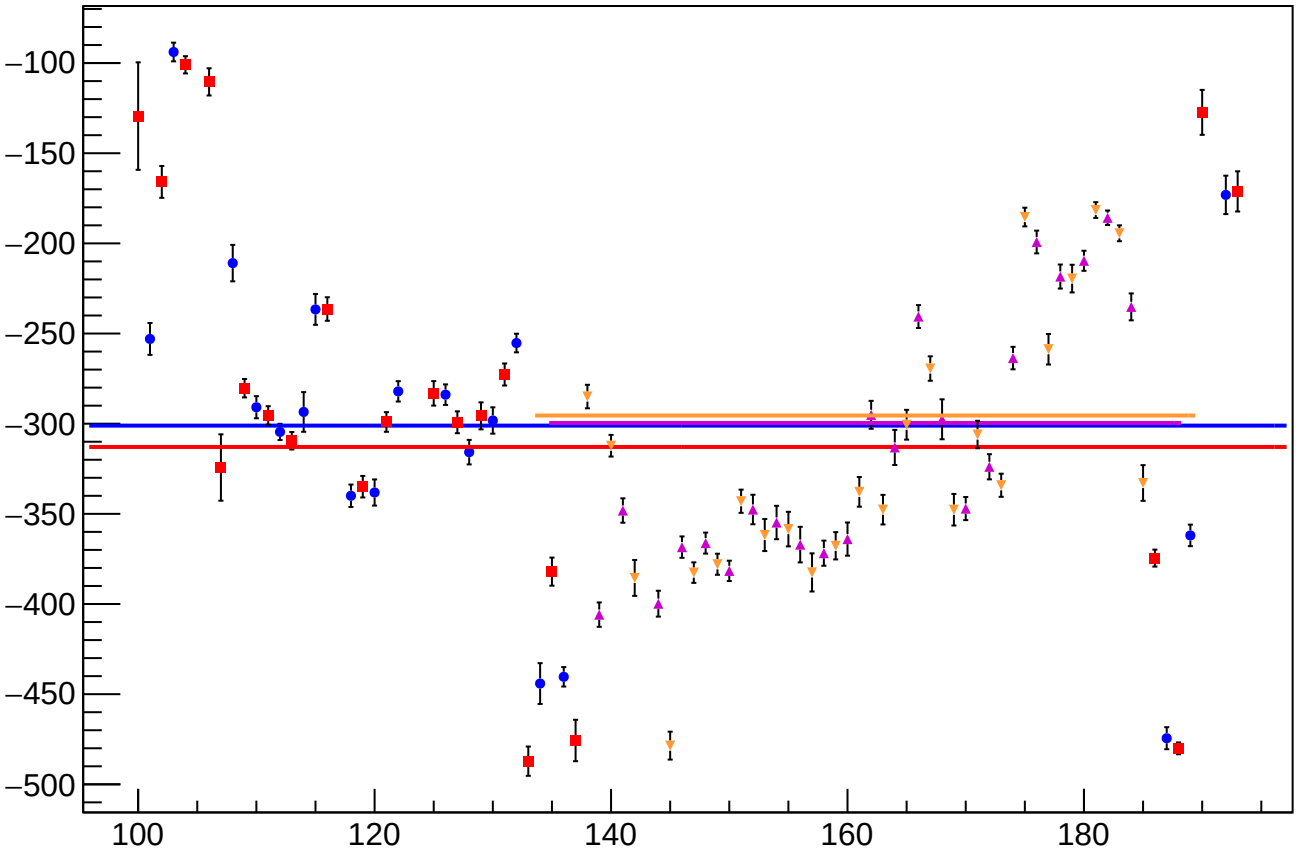
Right Out: 161.686+/-0.103 χ^2/NDF: 570827.9/21

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 216.236+/-0.058 χ^2/NDF: 280976.5/42

All: 209.846+/-0.040 χ^2/NDF: 1178032.4/87

- sign 203.953+/-0.056 χ^2/NDF: 873661.1/44



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: -312.898+/-1.327 χ^2/NDF: 7180.9/21

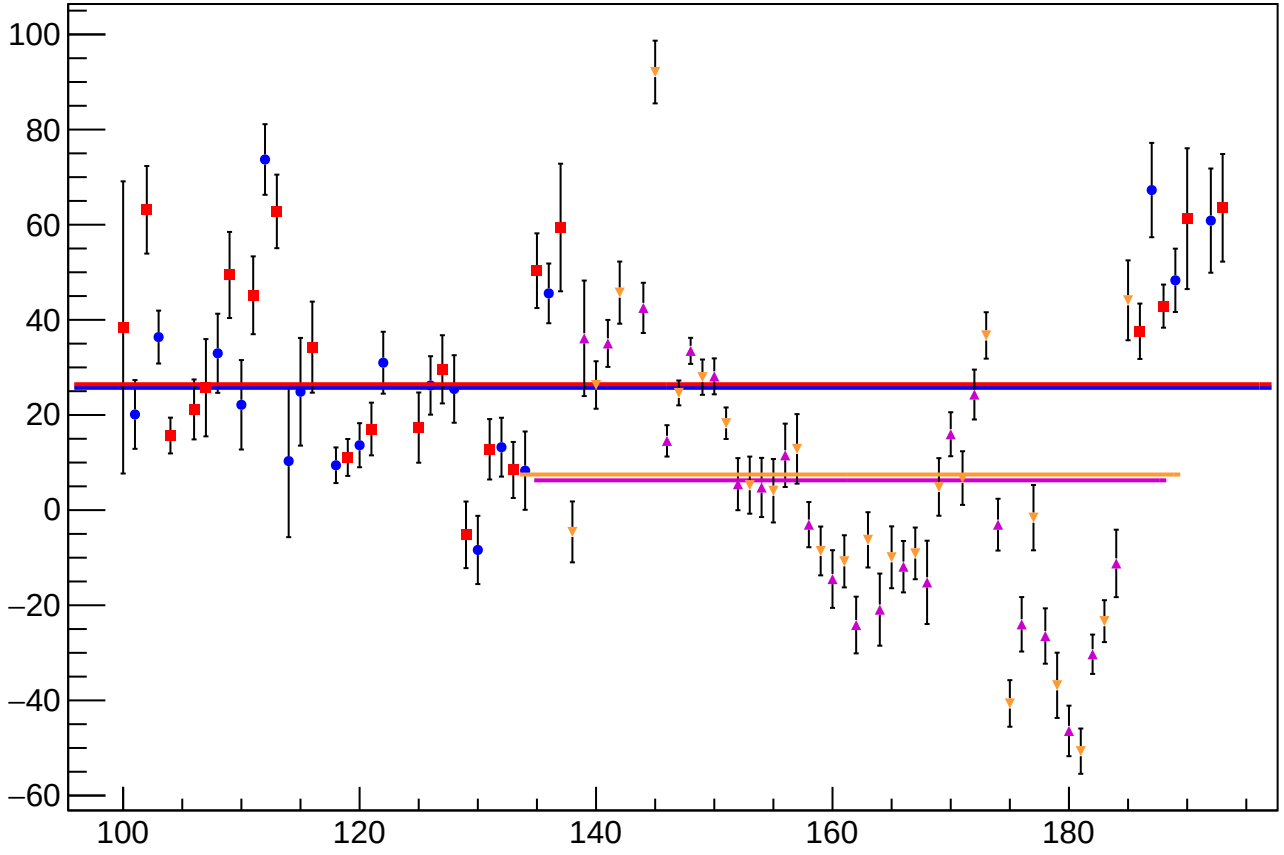
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

\+ sign -298.072+/-1.018 χ^2/NDF: 7175.8/42

All: -302.570+/-0.699 χ^2/NDF: 17413.1/87

\- sign -306.585+/-0.962 χ^2/NDF: 10200.3/44

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: 26.466+/-1.419 χ^2/NDF: 162.5/21

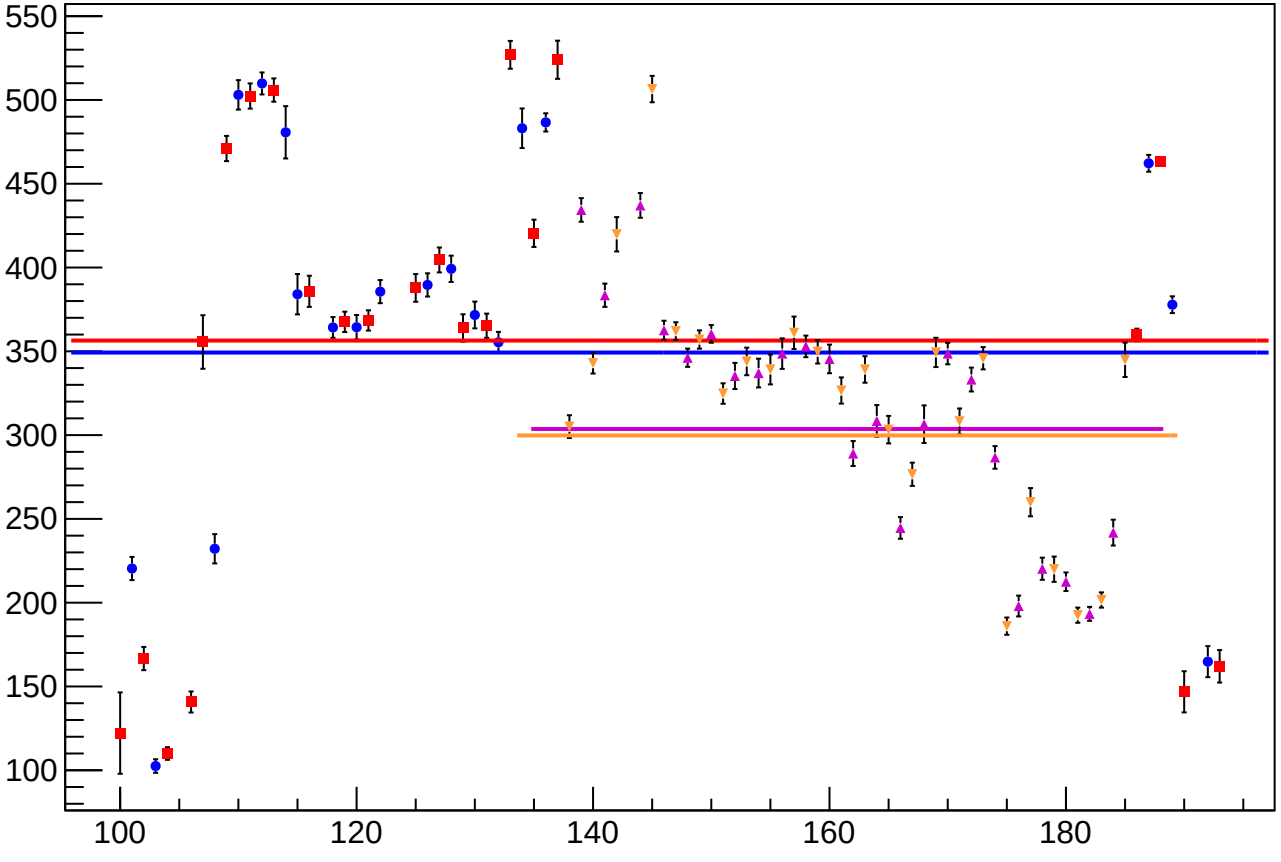
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

+ sign 13.117+/-0.856 χ^2/NDF: 990.1/42

All: 13.242+/-0.600 χ^2/NDF: 1843.5/87

- sign 13.362+/-0.841 χ^2/NDF: 853.4/44

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



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: 356.418+/-1.312 χ^2/NDF: 10485.2/21

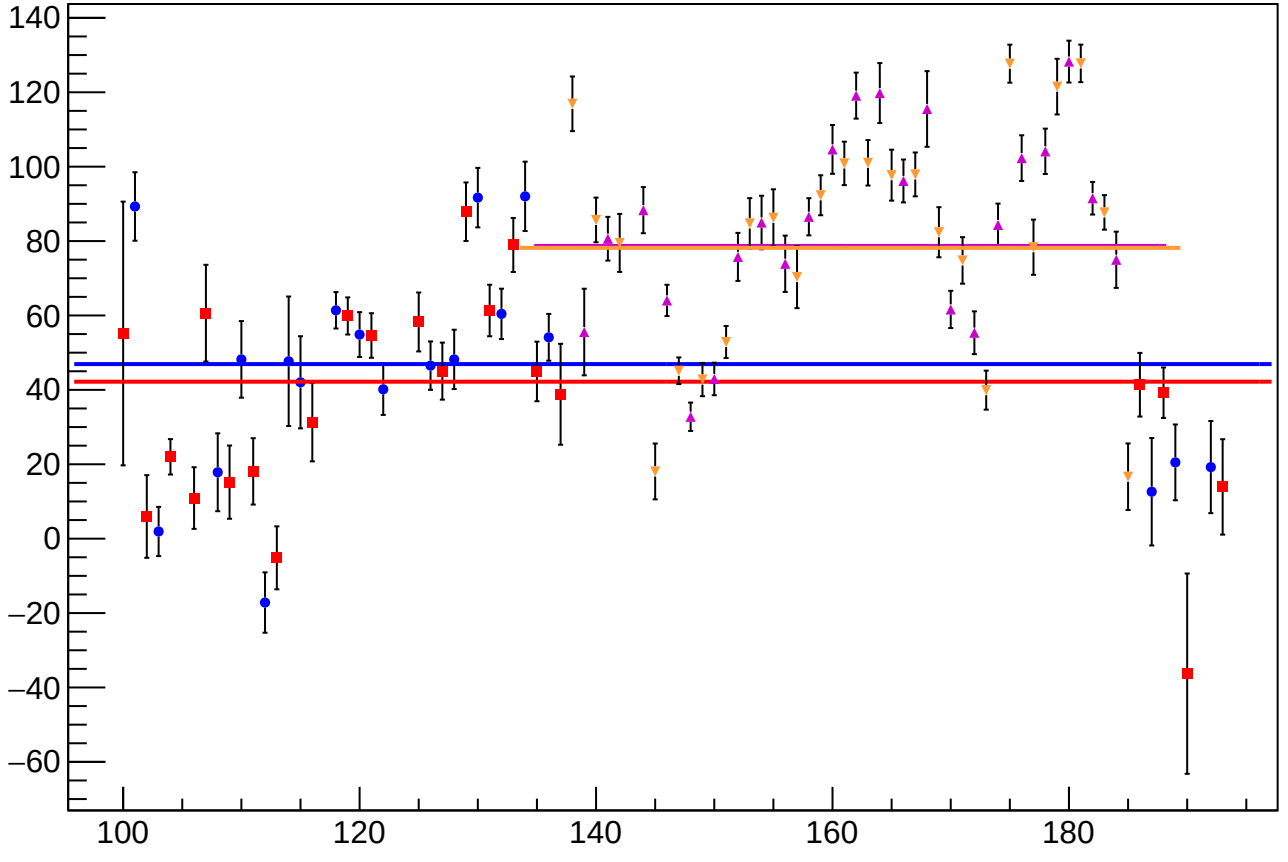
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 321.771+/-1.030 χ^2/NDF: 10660.1/42

All: 326.970+/-0.699 χ^2/NDF: 24831.4/87

- sign 331.410+/-0.952 χ^2/NDF: 14124.1/44

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

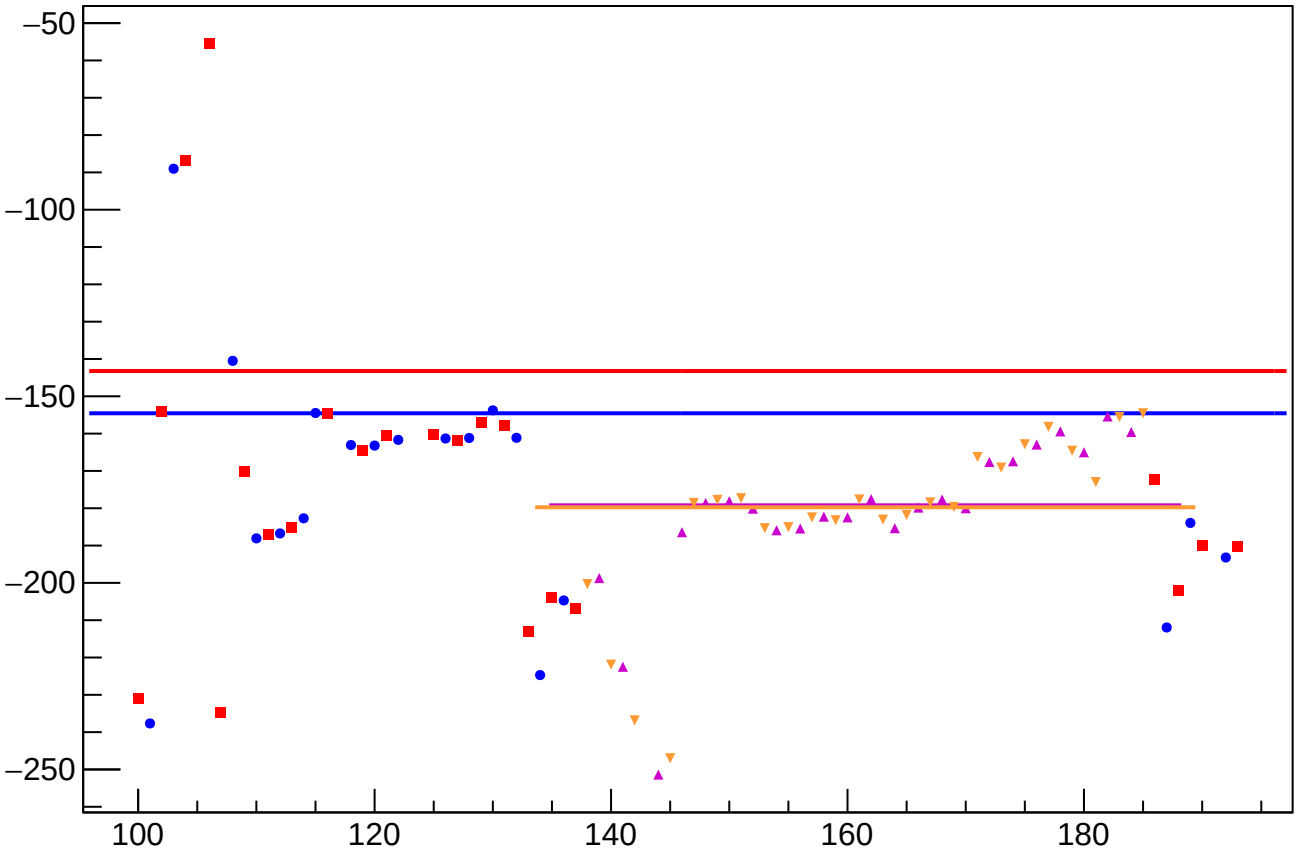
Right Out: 42.196+/-1.714 χ^2/NDF: 194.0/21

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 68.854+/-0.992 χ^2/NDF: 1097.7/42

All: 67.794+/-0.697 χ^2/NDF: 2087.4/87

- sign 66.759+/-0.980 χ^2/NDF: 987.5/44



Right In: -154.550+/-0.095 χ^2/NDF: 277625.7/18

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

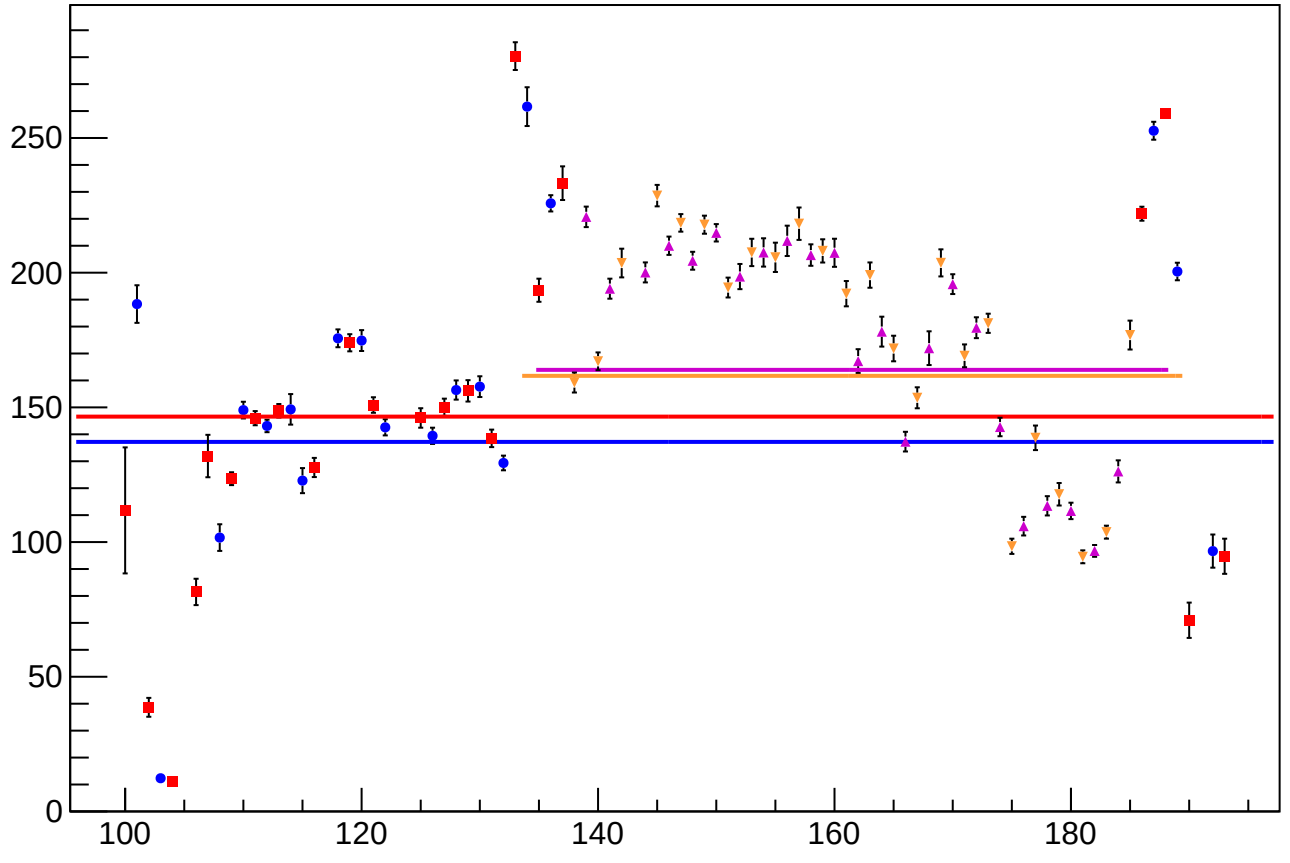
Right Out: -143.227+/-0.090 χ^2/NDF: 367101.9/21

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -173.403+/-0.048 χ^2/NDF: 462582.8/42

All: -171.408+/-0.033 χ^2/NDF: 1064388.6/87

- sign -169.498+/-0.047 χ^2/NDF: 598366.0/44



Right In: 137.185+/-0.760 χ^2/NDF: 7945.3/18

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

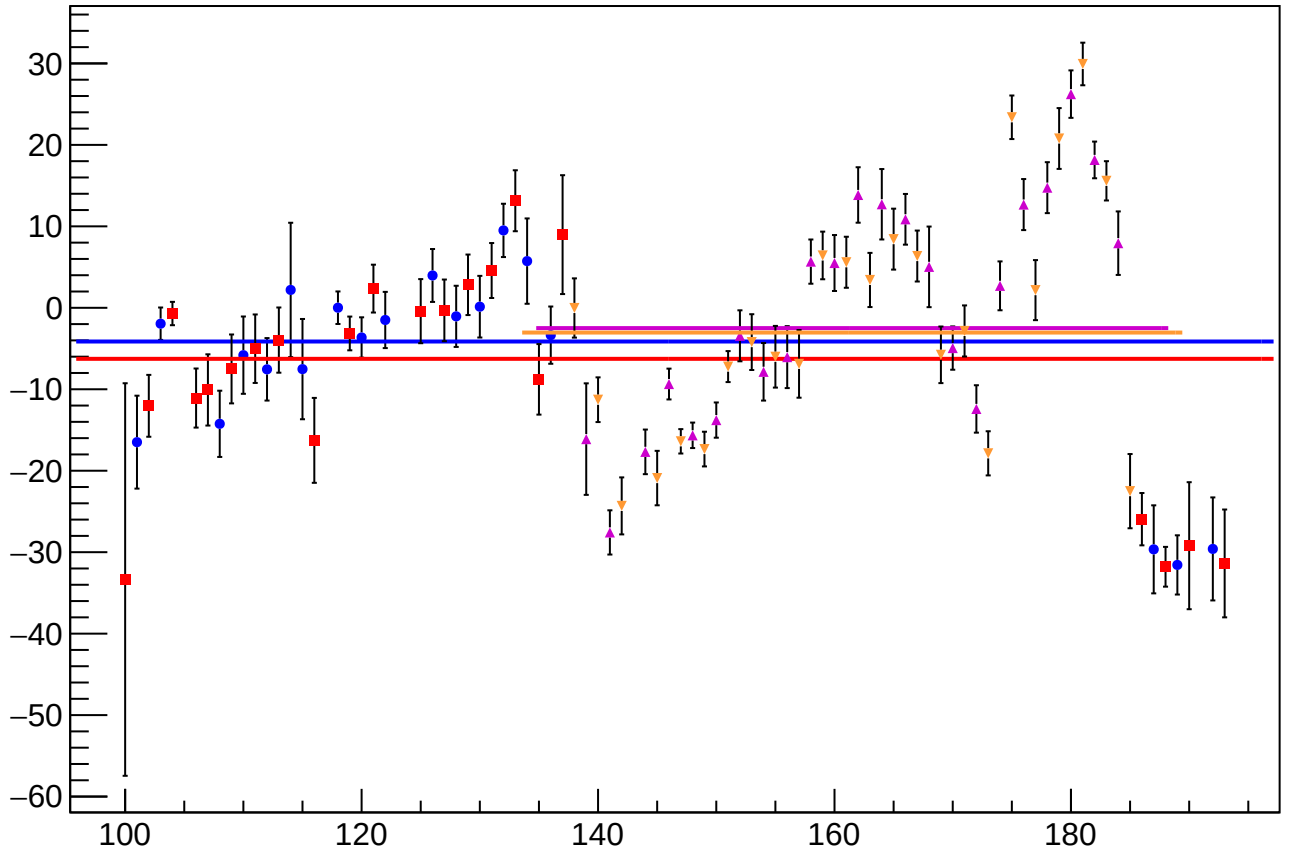
Right Out: 146.571+/-0.676 χ^2/NDF: 12969.0/21

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 149.185+/-0.543 χ^2/NDF: 12042.3/42

All: 151.754+/-0.372 χ^2/NDF: 28671.9/87

- sign 154.028+/-0.511 χ^2/NDF: 16587.4/44



Right In: -4.137+/-0.796 χ^2/NDF: 143.4/18

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -6.264+/-0.709 χ^2/NDF: 258.7/21

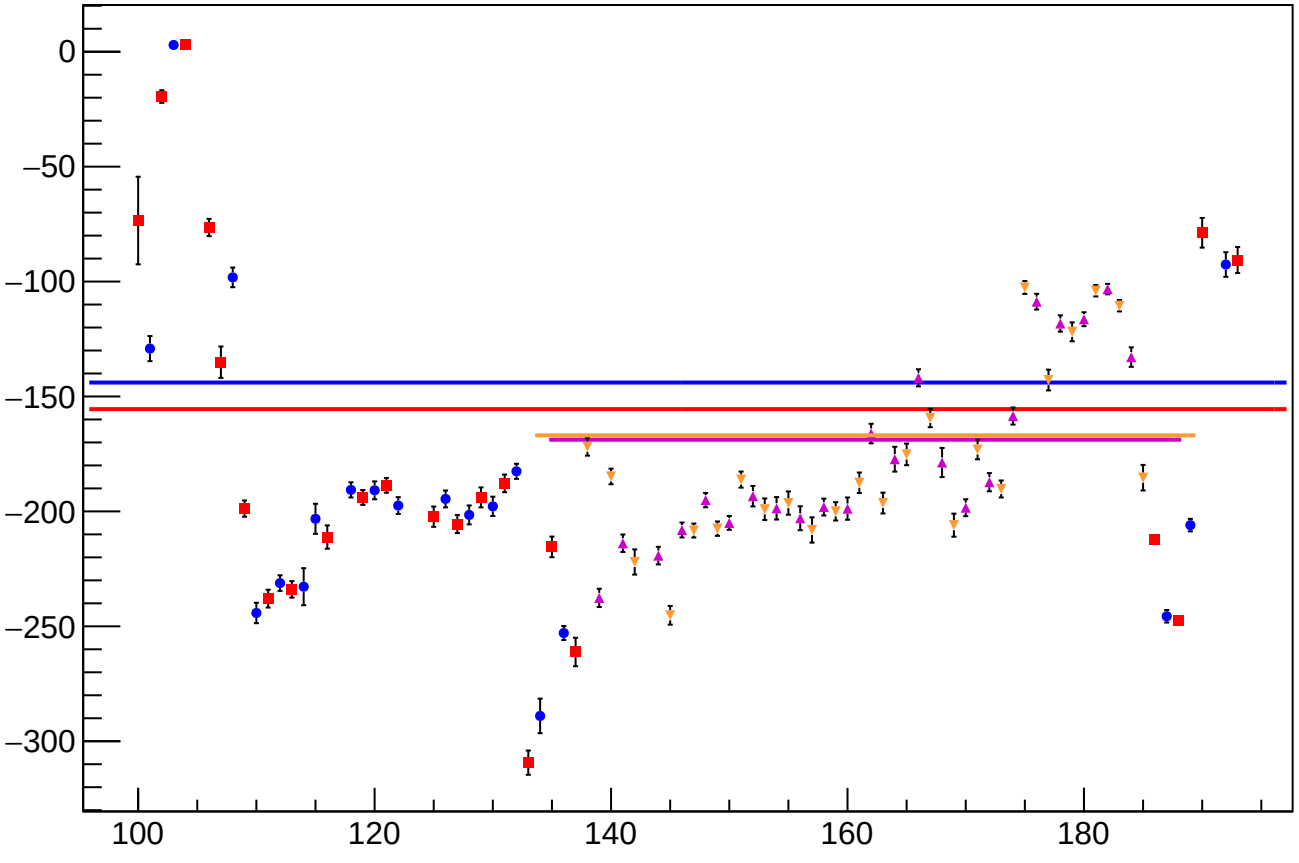
Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

\+ sign -3.417+/-0.468 χ^2/NDF: 799.1/42

All: -3.732+/-0.325 χ^2/NDF: 1638.4/87

\- sign -4.026+/-0.452 χ^2/NDF: 838.4/44

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug



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: -155.500+/-0.659 χ^2/NDF: 23428.0/21

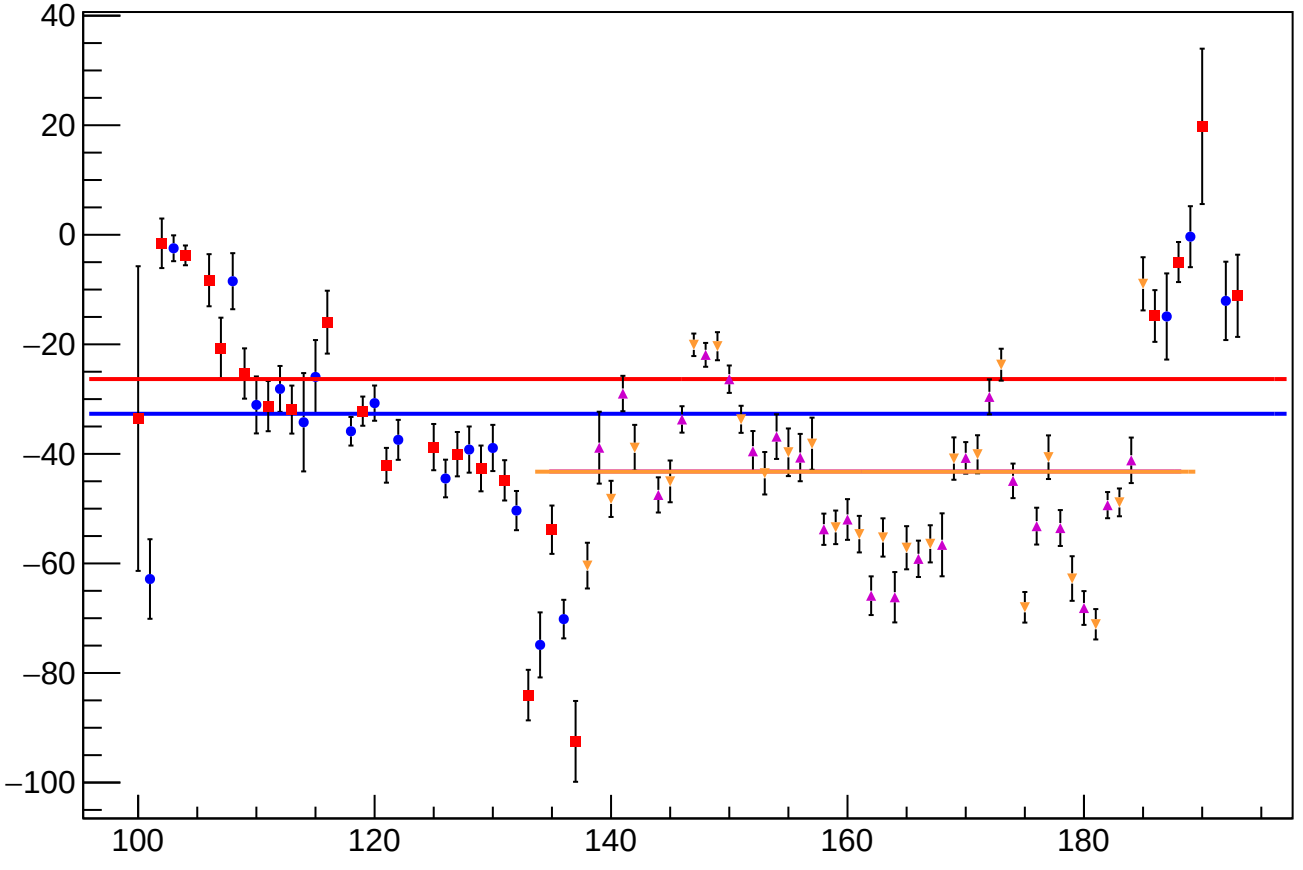
Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -155.370+/-0.544 χ^2/NDF: 20515.7/42

All: -158.471+/-0.369 χ^2/NDF: 47235.2/87

- sign -161.109+/-0.501 χ^2/NDF: 26659.3/44

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: -26.340+/-0.858 χ^2/NDF: 628.4/21

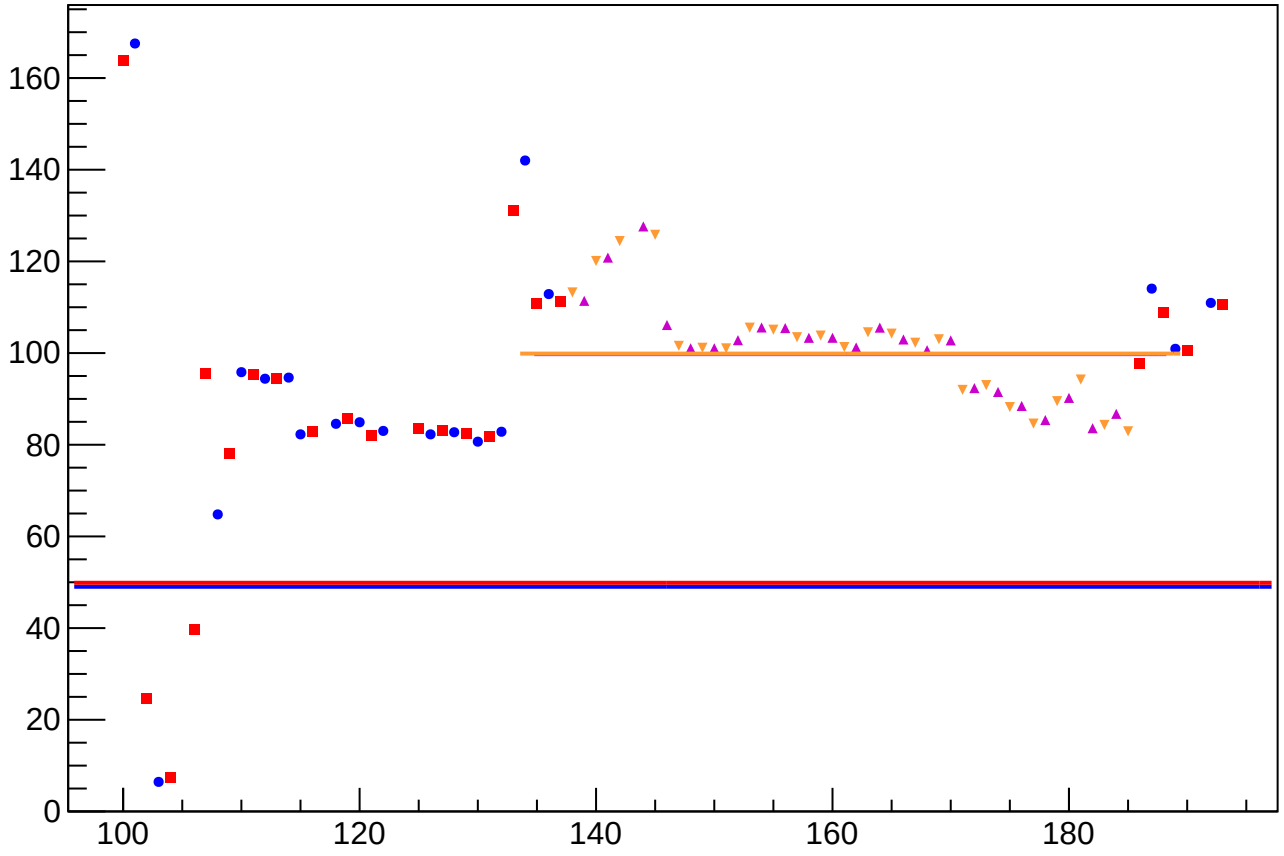
Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -39.723+/-0.542 χ^2/NDF: 1156.0/42

All: -38.233+/-0.378 χ^2/NDF: 2445.0/87

- sign -36.818+/-0.528 χ^2/NDF: 1274.3/44

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 49.020+/-0.043 χ^2/NDF: 1234757.6/18

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

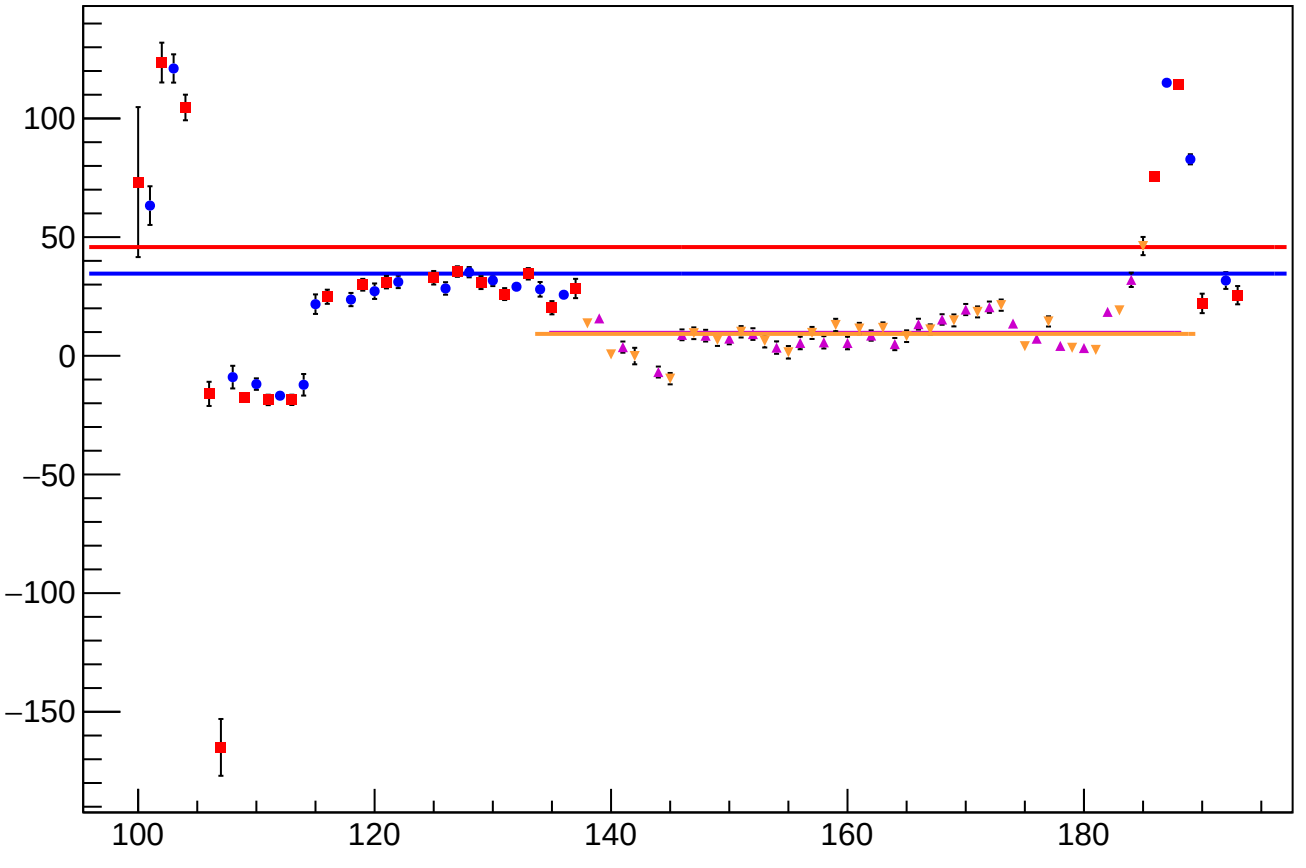
Right Out: 49.889+/-0.043 χ^2/NDF: 1022804.8/21

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 82.776+/-0.025 χ^2/NDF: 2277385.4/42

All: 82.790+/-0.018 χ^2/NDF: 4320200.3/87

- sign 82.805+/-0.025 χ^2/NDF: 2042814.3/44



Right In: 34.626+/-0.612 χ^2/NDF: 3644.1/18

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

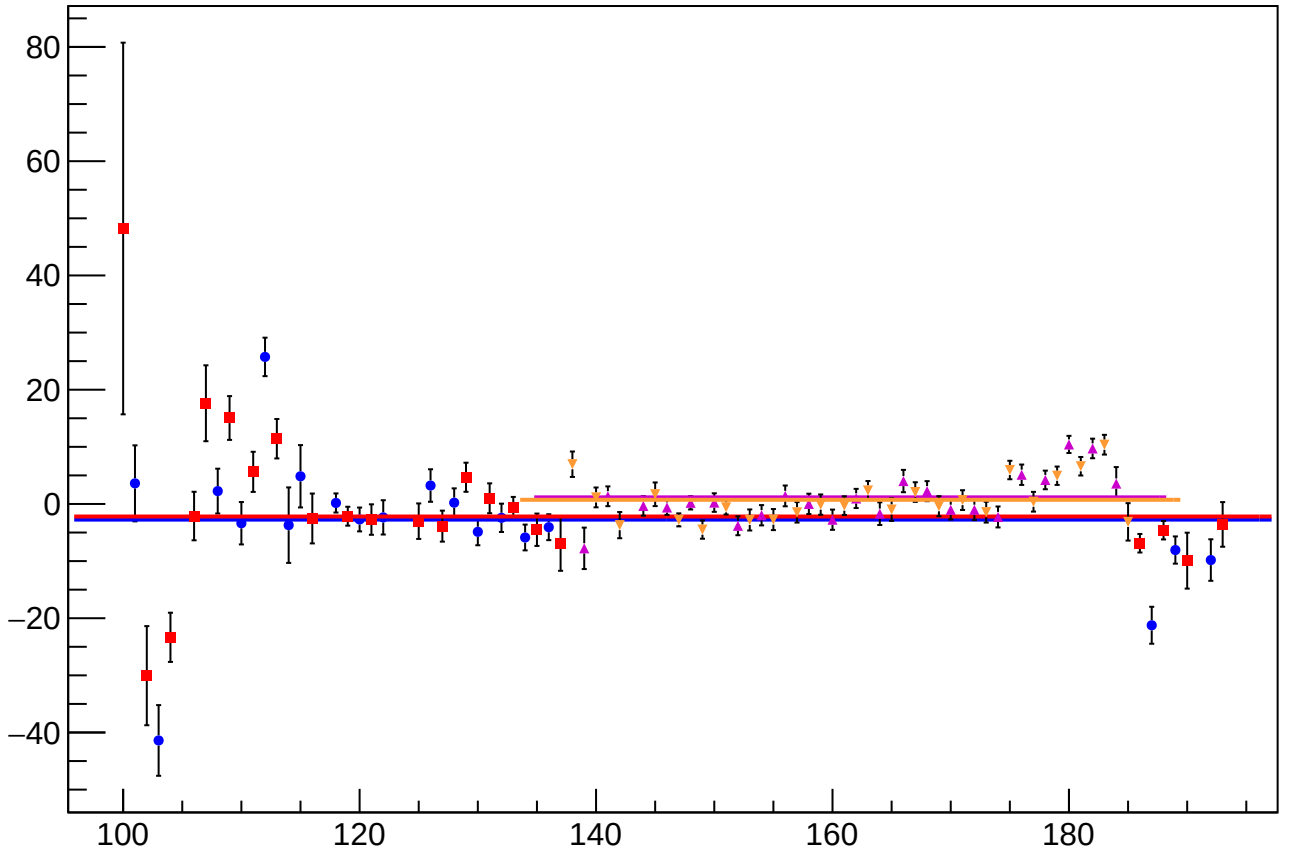
Right Out: 45.810+/-0.528 χ^2/NDF: 7755.6/21

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

\+ sign 18.309+/-0.366 χ^2/NDF: 5078.7/42

All: 22.009+/-0.252 χ^2/NDF: 15925.8/87

\- sign 25.355+/-0.348 χ^2/NDF: 10652.3/44



Right In: -2.735+/-0.646 χ^2/NDF: 168.5/18

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

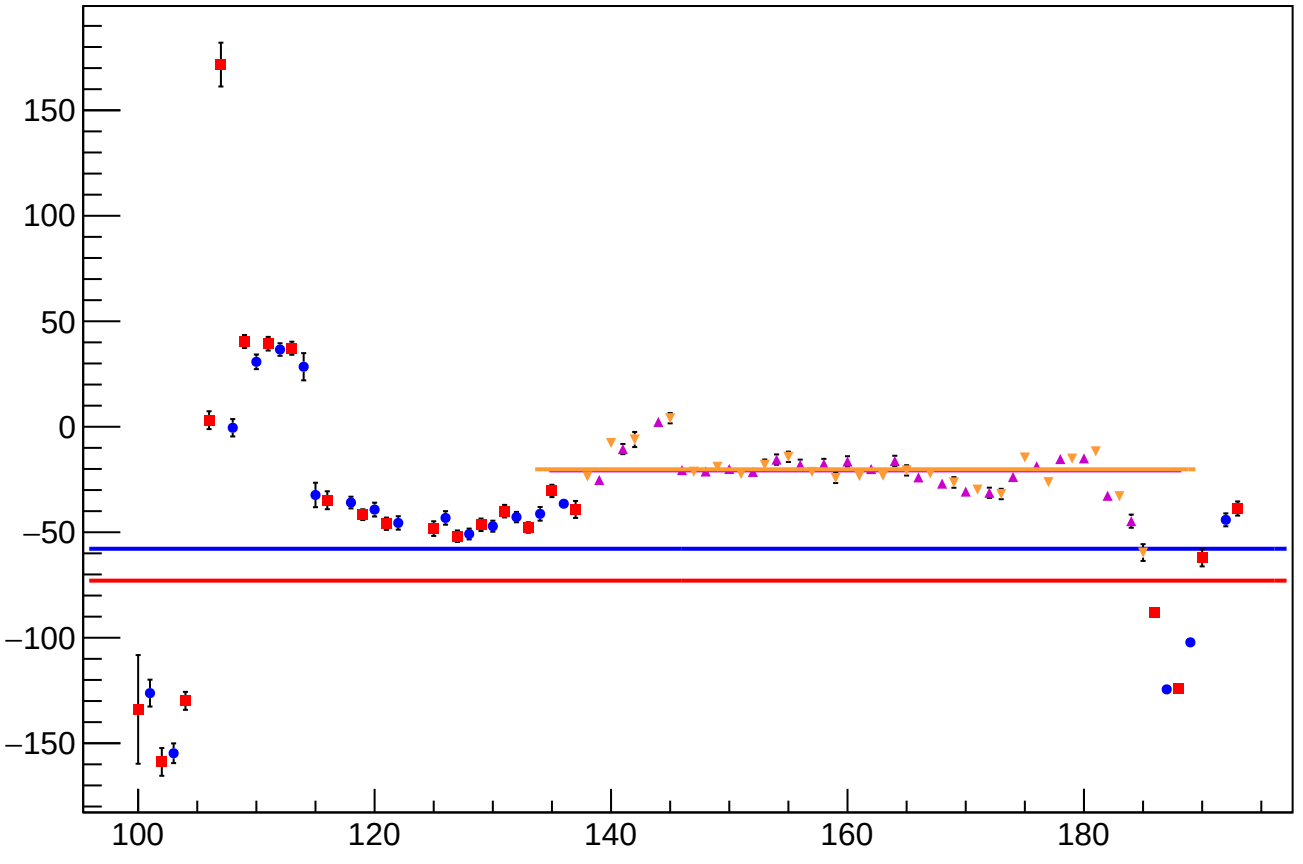
Right Out: -2.196+/-0.594 χ^2/NDF: 111.4/21

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign -0.054+/-0.307 χ^2/NDF: 300.4/42

All: 0.106+/-0.217 χ^2/NDF: 546.2/87

\- sign 0.264+/-0.306 χ^2/NDF: 245.3/44



Right In: -57.823+/-0.644 χ^2/NDF: 5240.5/18

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

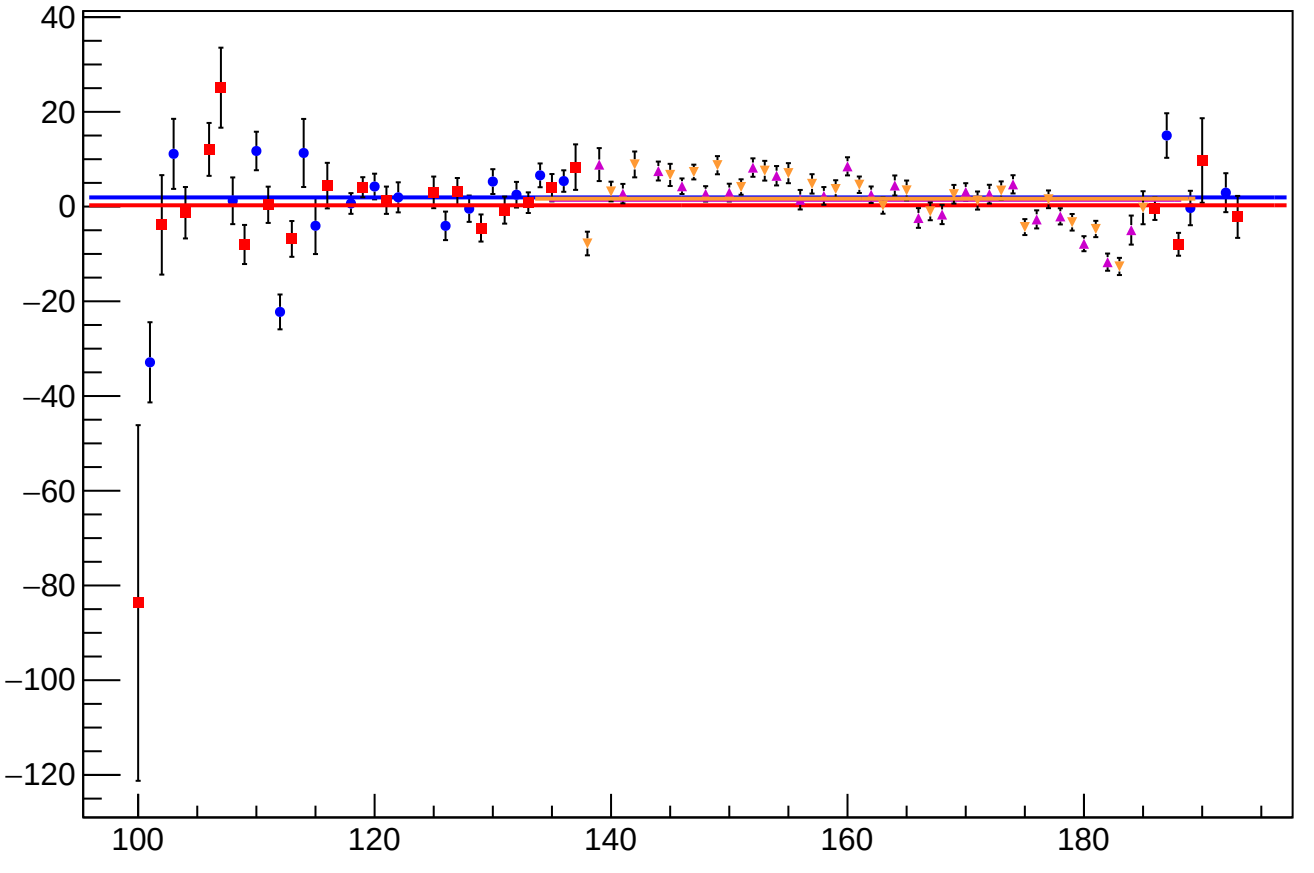
Right Out: -72.927+/-0.516 χ^2/NDF: 9359.4/21

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

+ sign -32.612+/-0.370 χ^2/NDF: 7954.1/42

All: -38.568+/-0.251 χ^2/NDF: 23838.4/87

- sign -43.667+/-0.342 χ^2/NDF: 15403.7/44



Right In: 1.935+/-0.755 χ^2/NDF: 91.6/18

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

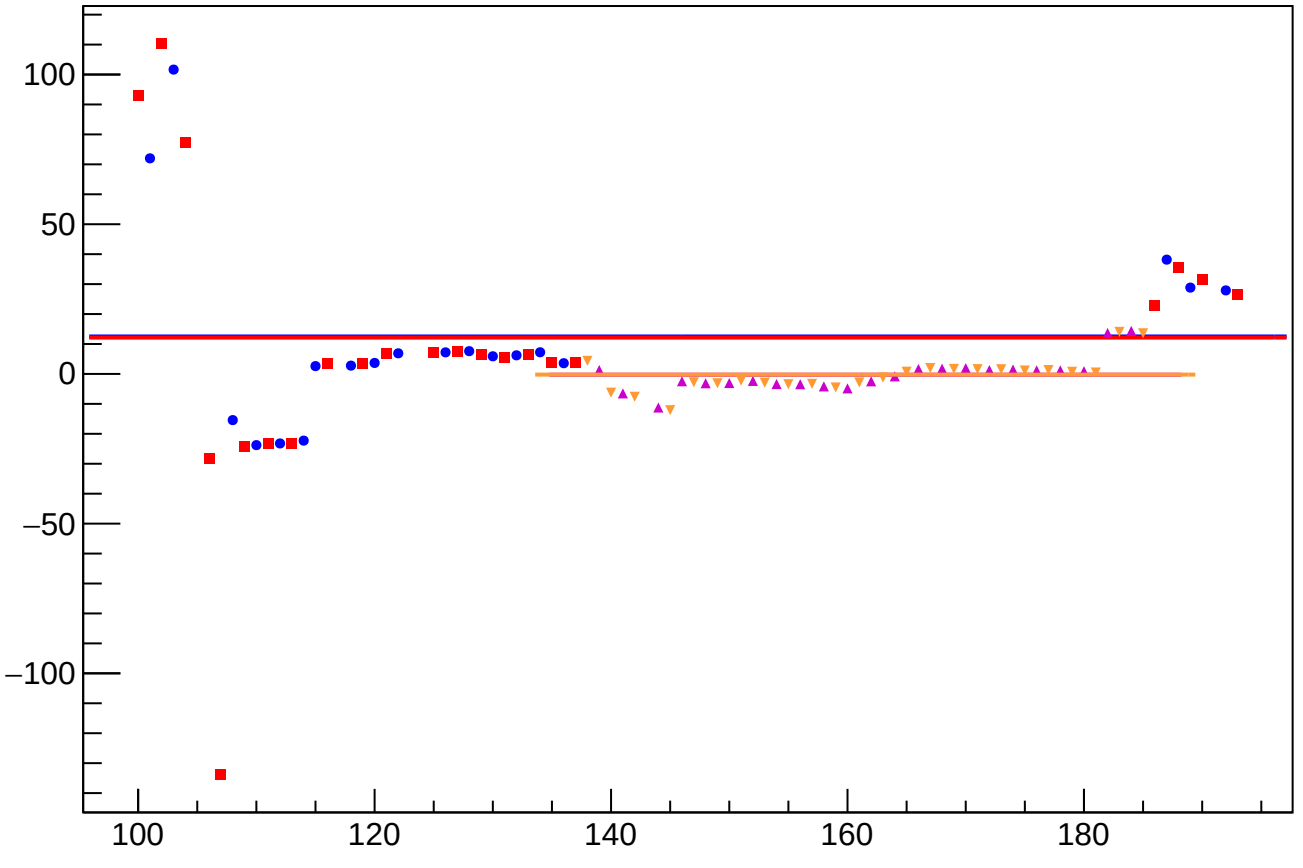
Right Out: 0.270+/-0.723 χ^2/NDF: 52.3/21

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.727+/-0.350 χ^2/NDF: 269.6/42

All: 1.442+/-0.248 χ^2/NDF: 488.0/87

- sign 1.154+/-0.352 χ^2/NDF: 217.0/44



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: 12.146+/-0.043 χ^2/NDF: 521046.9/21

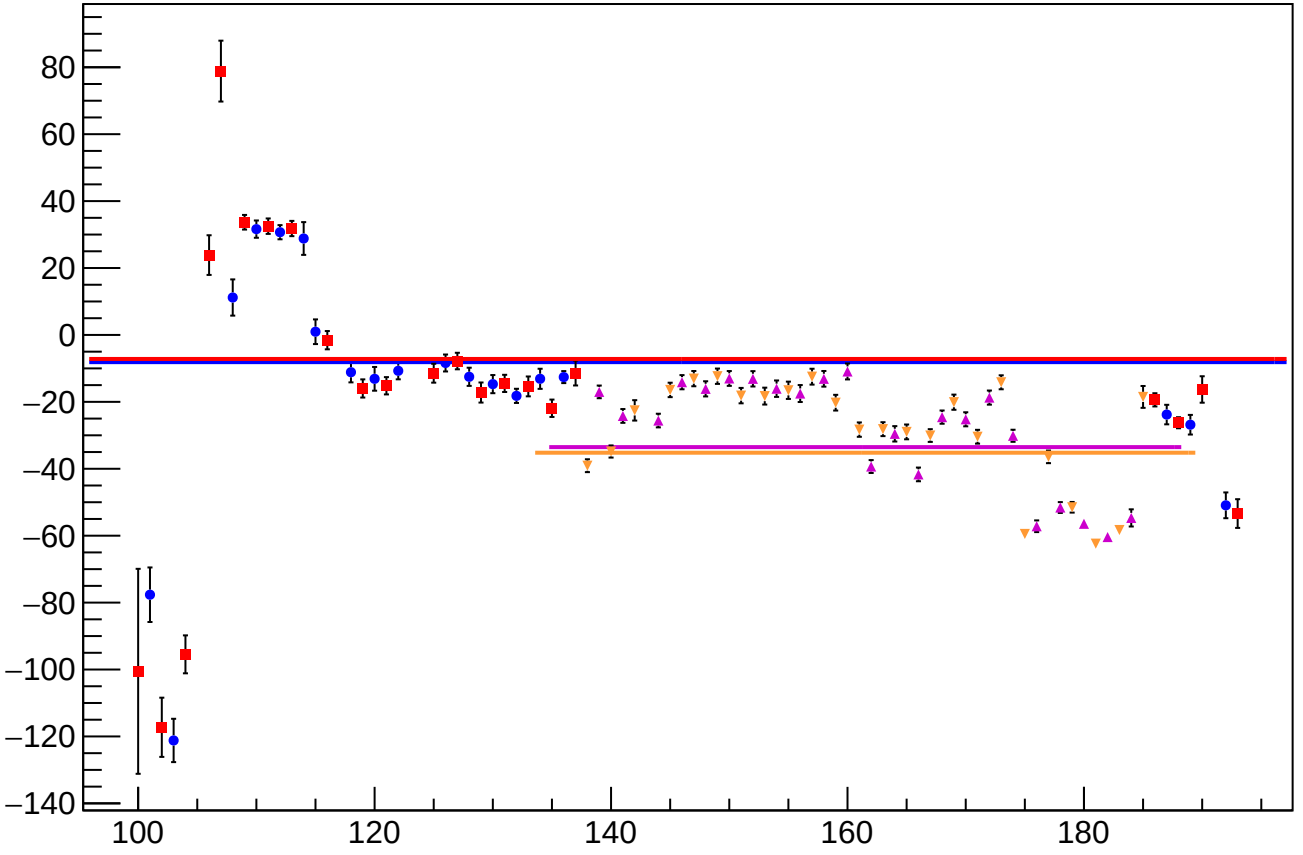
Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 1.593+/-0.016 χ^2/NDF: 510180.5/42

All: 1.558+/-0.012 χ^2/NDF: 1174731.6/87

- sign 1.522+/-0.016 χ^2/NDF: 664541.7/44

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug



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: -7.179+/-0.606 χ^2/NDF: 1838.6/21

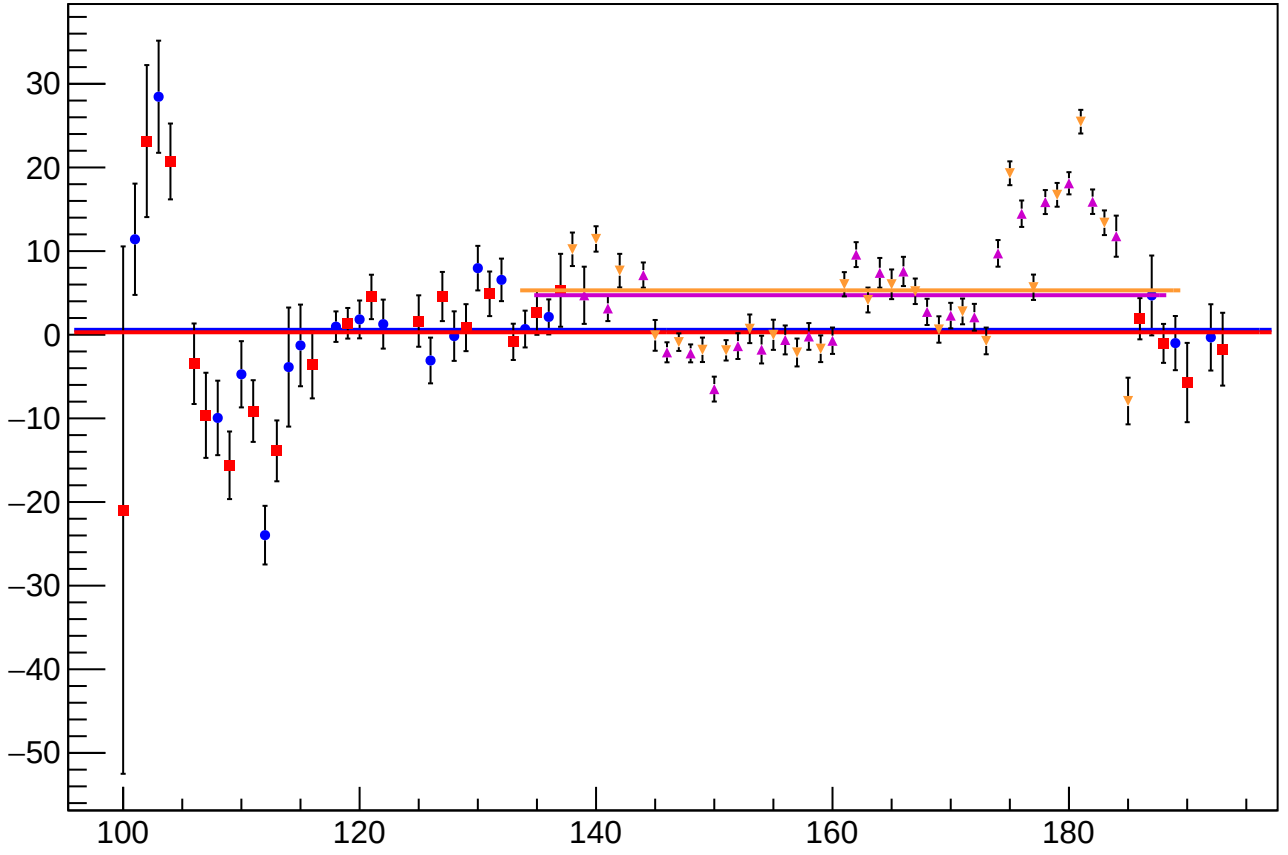
Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -27.758+/-0.348 χ^2/NDF: 4323.2/42

All: -26.437+/-0.244 χ^2/NDF: 9285.0/87

- sign -25.159+/-0.342 χ^2/NDF: 4933.3/44

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 0.587+/-0.691 χ^2/NDF: 93.9/18

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

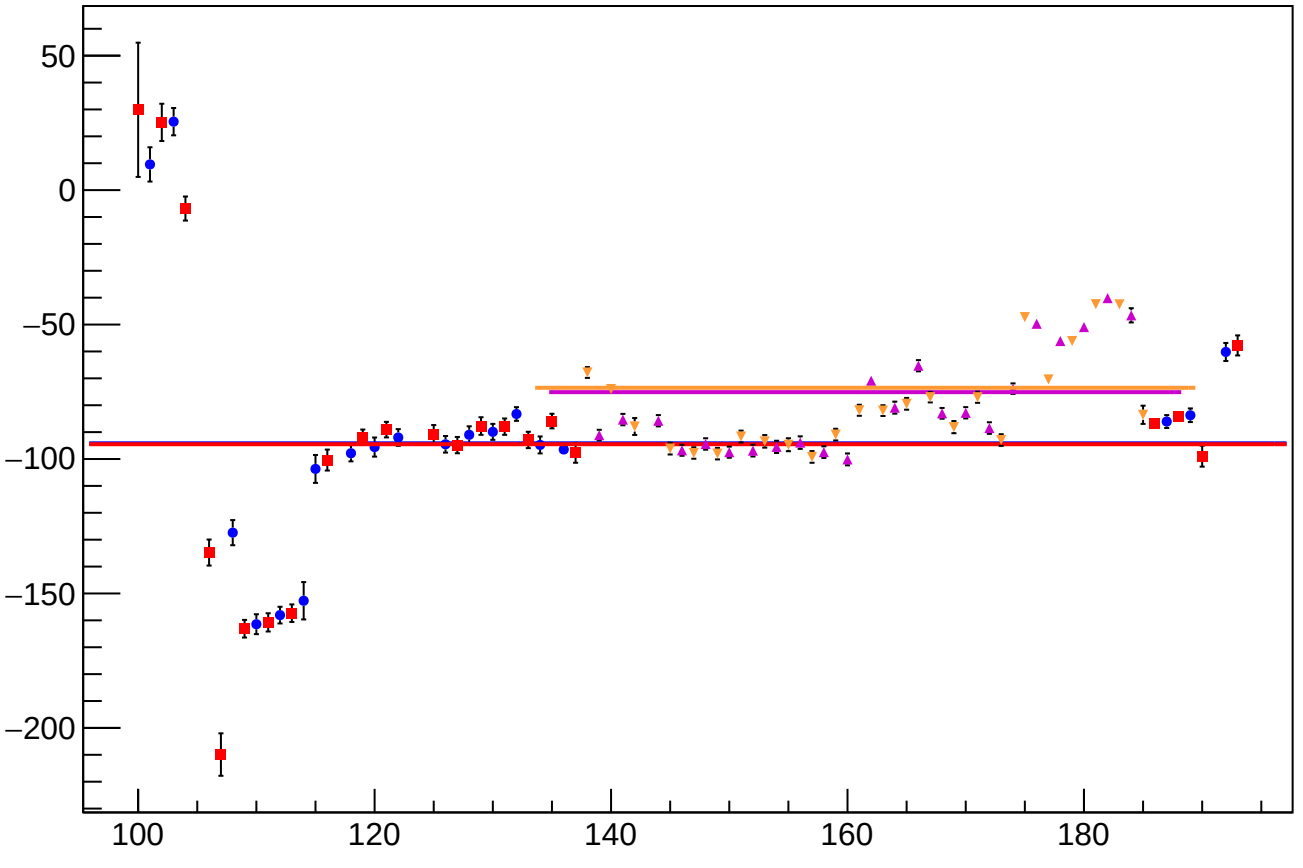
Right Out: 0.296+/-0.674 χ^2/NDF: 82.8/21

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.495+/-0.287 χ^2/NDF: 756.9/42

All: 4.204+/-0.204 χ^2/NDF: 1373.0/87

- sign 3.907+/-0.290 χ^2/NDF: 614.0/44



Right In: -94.163+/-0.719 χ^2/NDF: 1855.5/18

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

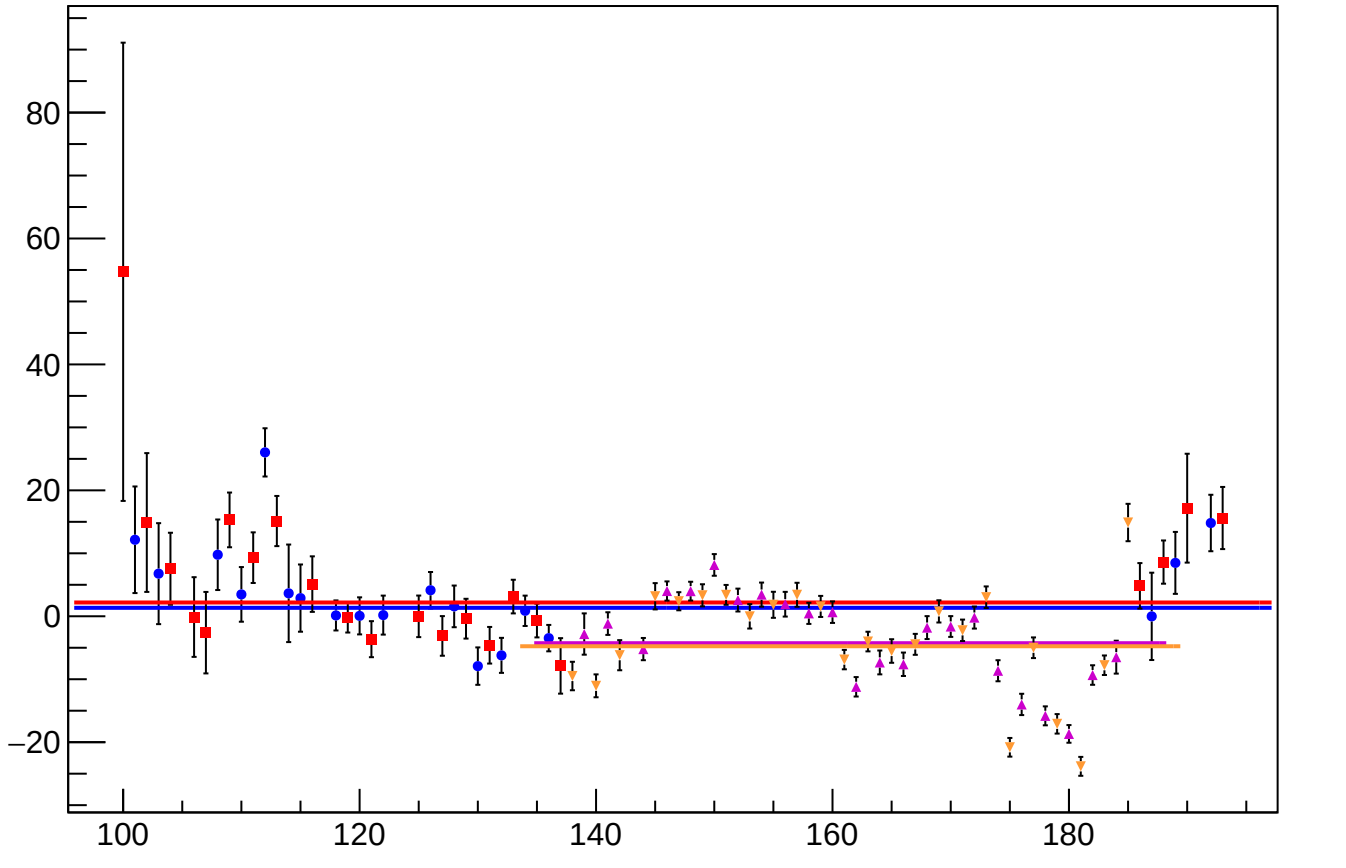
Right Out: -94.496+/-0.629 χ^2/NDF: 2387.4/21

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

+ sign -78.484+/-0.353 χ^2/NDF: 4873.5/42

All: -79.728+/-0.246 χ^2/NDF: 10311.8/87

- sign -80.905+/-0.344 χ^2/NDF: 5414.2/44



Right In: 1.343+/-0.792 χ^2/NDF: 81.4/18

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

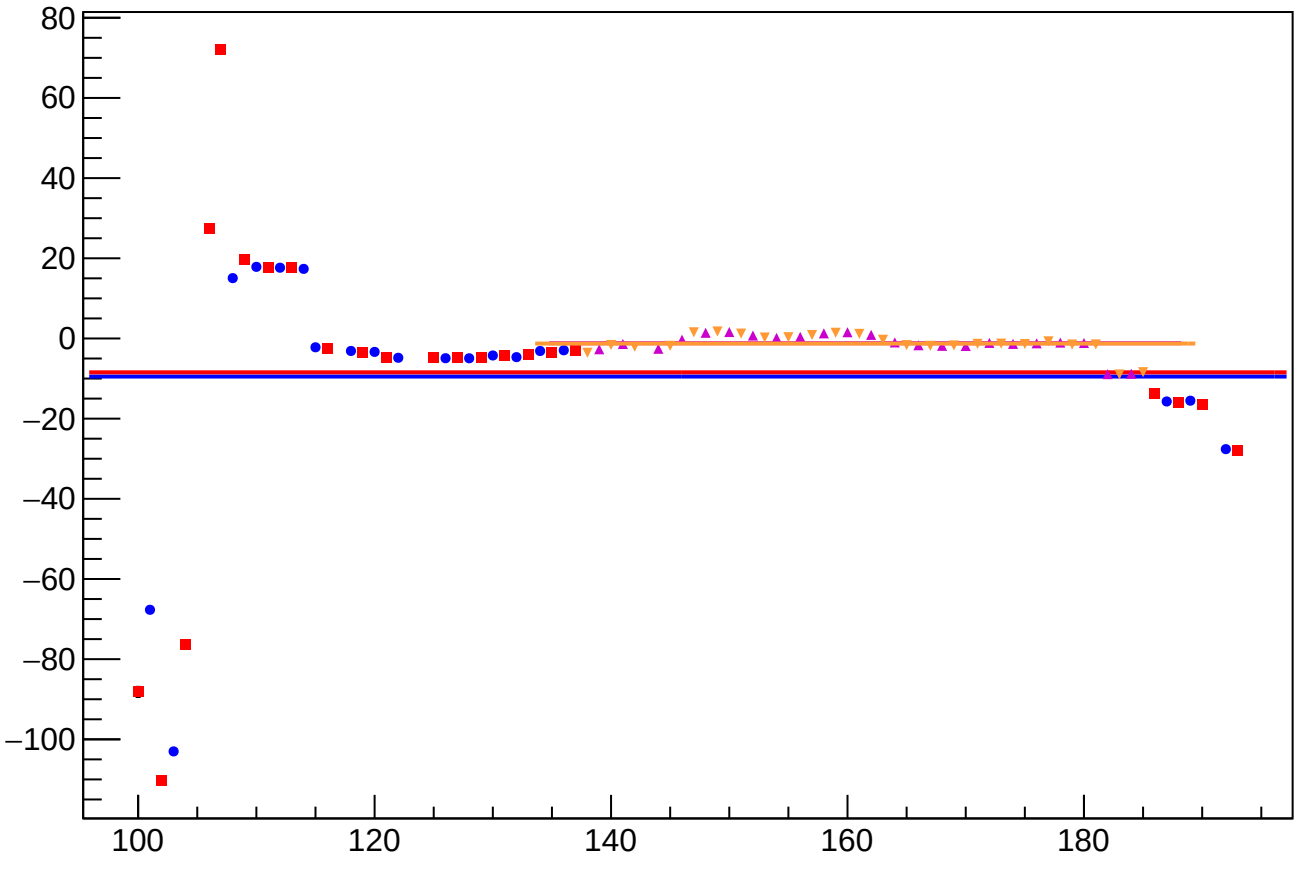
Right Out: 2.188+/-0.796 χ^2/NDF: 63.7/21

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

+ sign -3.742+/-0.324 χ^2/NDF: 707.8/42

All: -3.463+/-0.231 χ^2/NDF: 1251.9/87

- sign -3.175+/-0.329 χ^2/NDF: 542.6/44



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: -8.444+/-0.046 χ^2/NDF: 363656.1/21

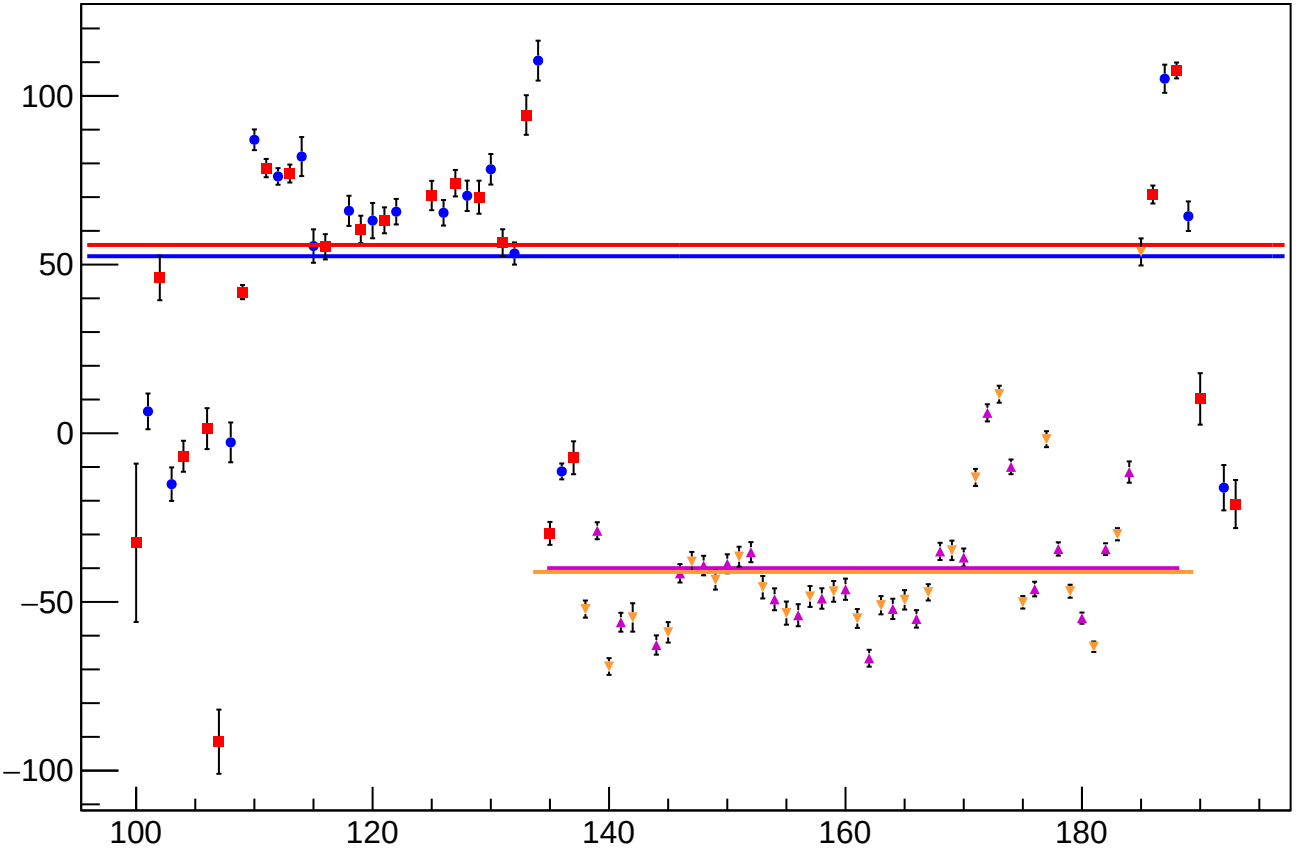
Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -2.197+/-0.015 χ^2/NDF: 340935.2/42

All: -2.075+/-0.011 χ^2/NDF: 751465.9/87

- sign -1.951+/-0.015 χ^2/NDF: 410396.7/44

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: 55.822+/-0.802 χ^2/NDF: 2256.2/21

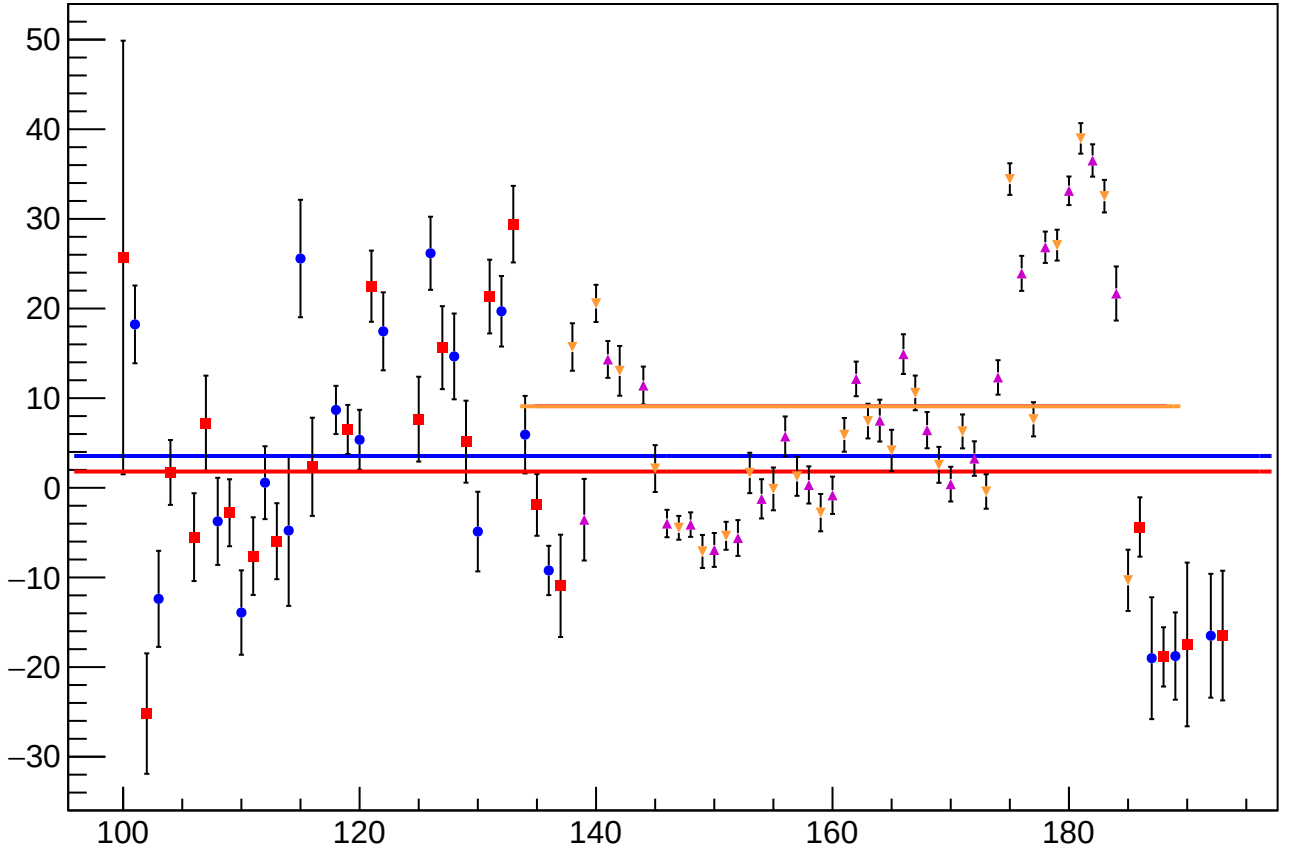
Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

+ sign -18.279+/-0.450 χ^2/NDF: 11704.1/42

All: -14.708+/-0.314 χ^2/NDF: 25116.8/87

- sign -11.310+/-0.439 χ^2/NDF: 13289.7/44

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 3.550+/-0.979 χ^2/NDF: 182.2/18

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

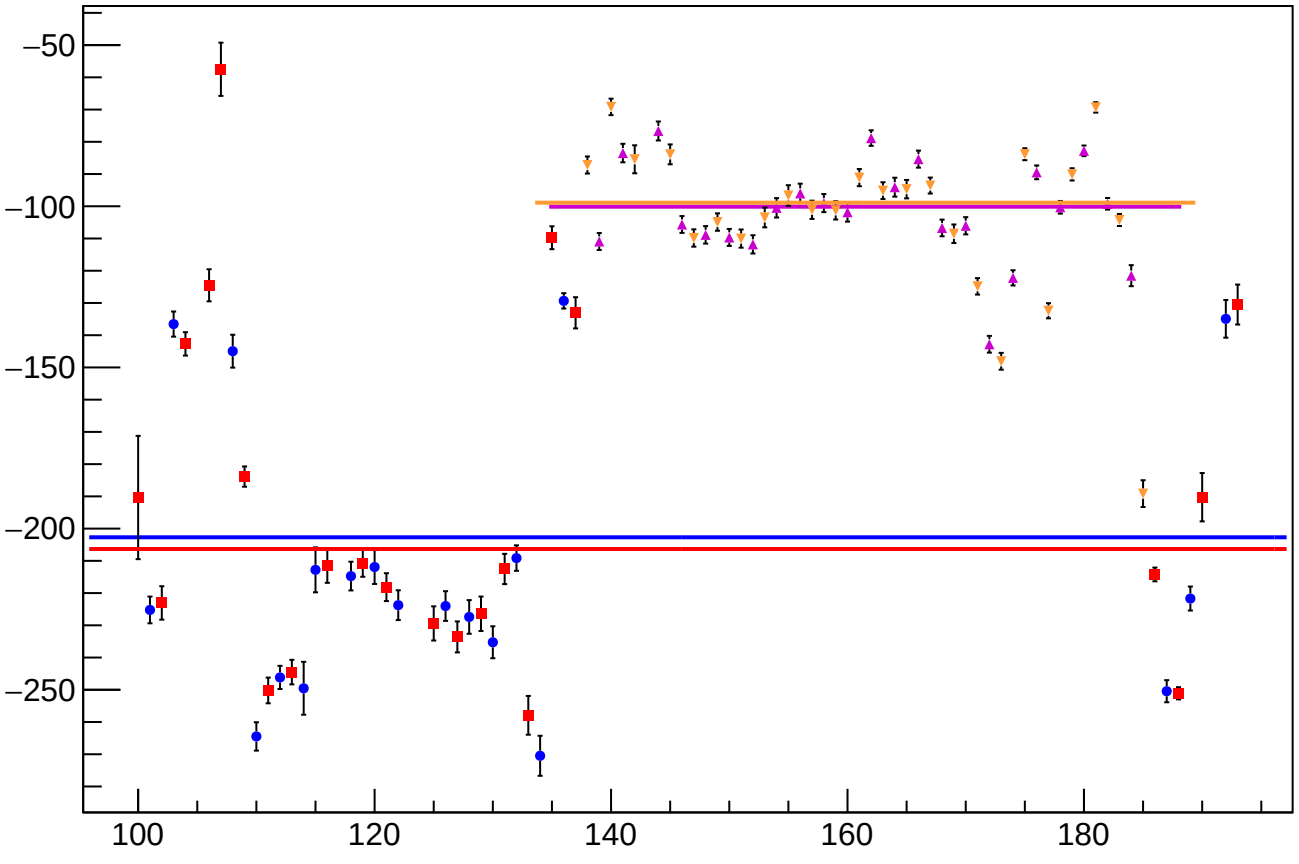
Right Out: 1.815+/-0.924 χ^2/NDF: 195.0/21

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 8.296+/-0.371 χ^2/NDF: 1463.4/42

All: 8.112+/-0.263 χ^2/NDF: 2762.9/87

- sign 7.925+/-0.374 χ^2/NDF: 1299.0/44



Right In: -202.693+/-0.981 χ^2/NDF: 2371.0/18

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

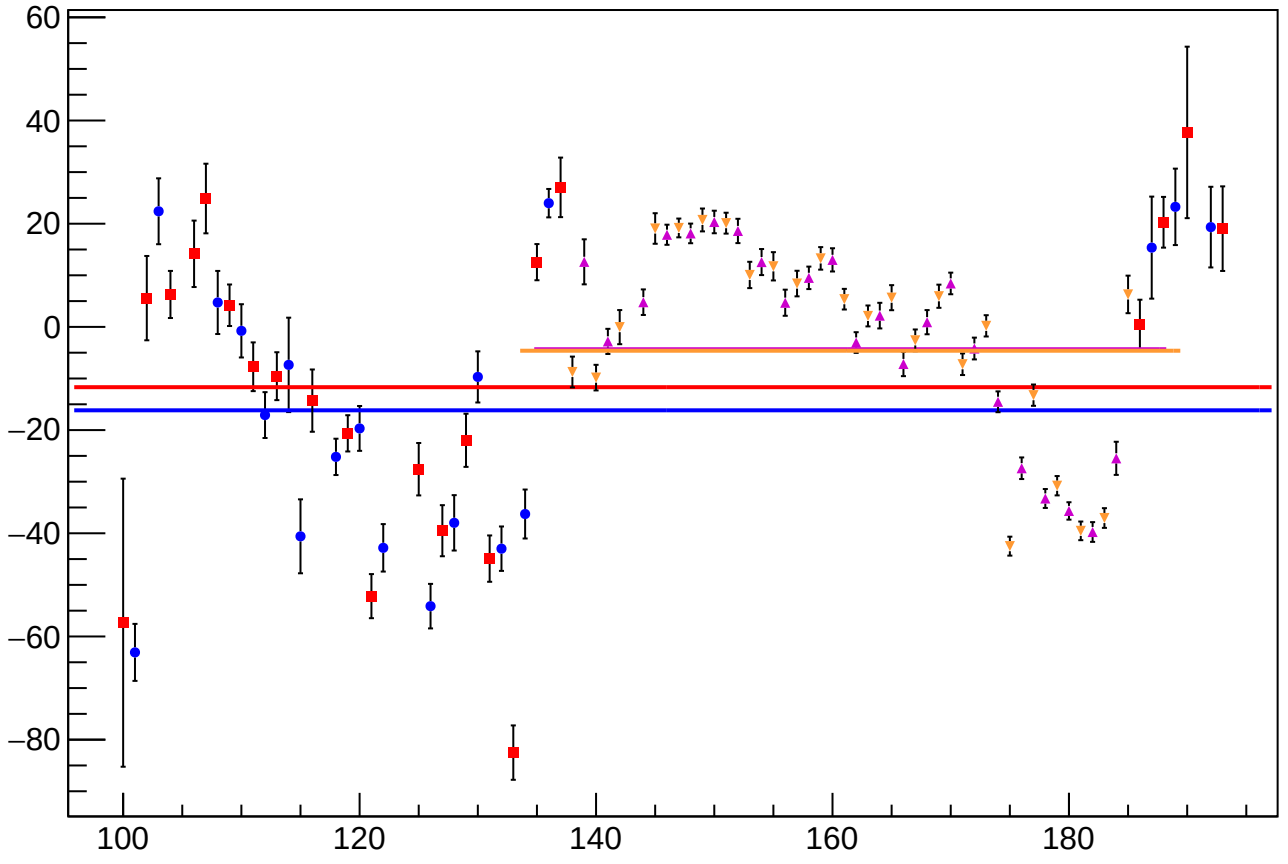
Right Out: -206.328+/-0.845 χ^2/NDF: 3030.3/21

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -121.246+/-0.455 χ^2/NDF: 12977.5/42

All: -125.376+/-0.318 χ^2/NDF: 28439.3/87

- sign -129.284+/-0.443 χ^2/NDF: 15301.7/44



Right In: -16.167+/-1.126 χ^2/NDF: 606.6/18

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

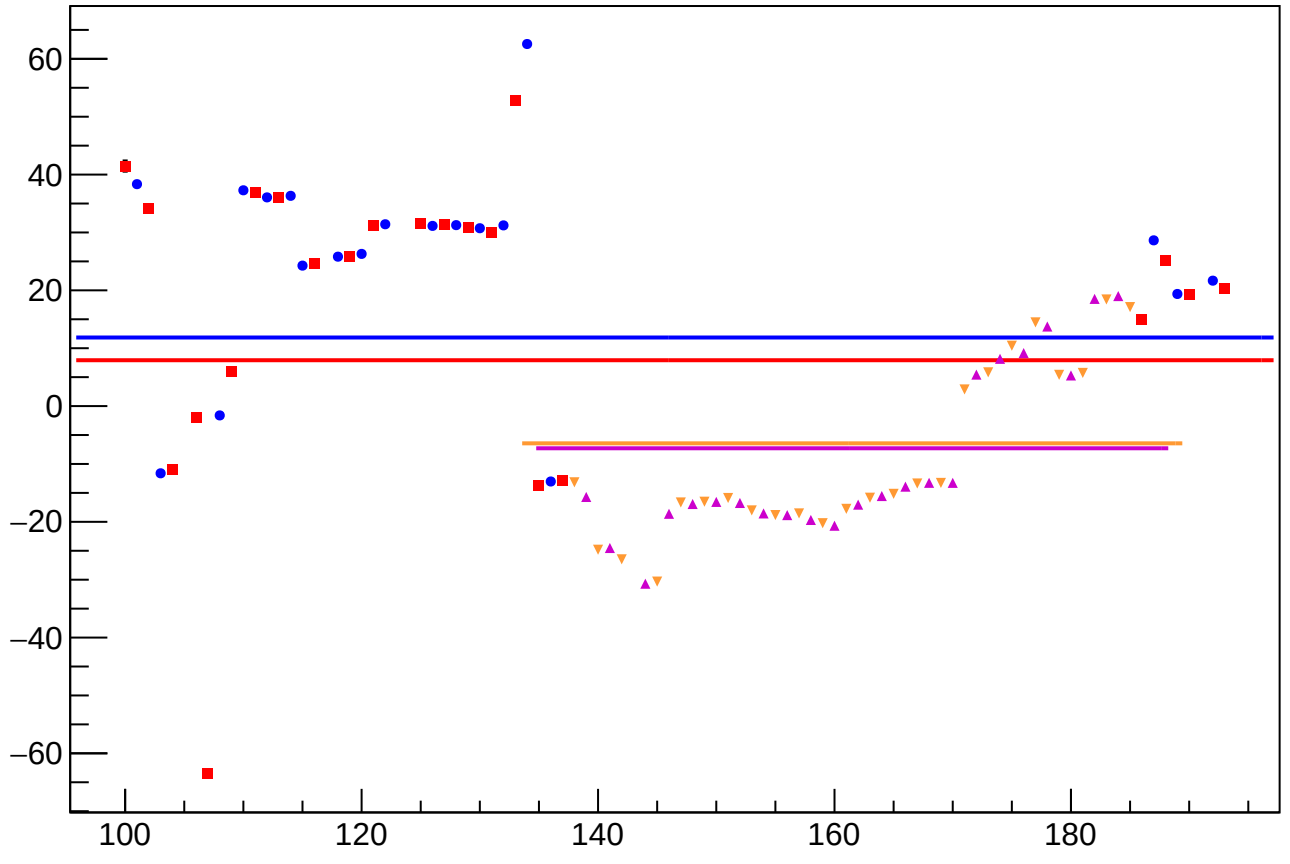
Right Out: -11.684+/-1.089 χ^2/NDF: 626.0/21

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -6.217+/-0.419 χ^2/NDF: 2775.6/42

All: -5.831+/-0.298 χ^2/NDF: 5296.2/87

- sign -5.437+/-0.423 χ^2/NDF: 2518.9/44



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: 7.923+/-0.059 χ^2/NDF: 164487.2/21

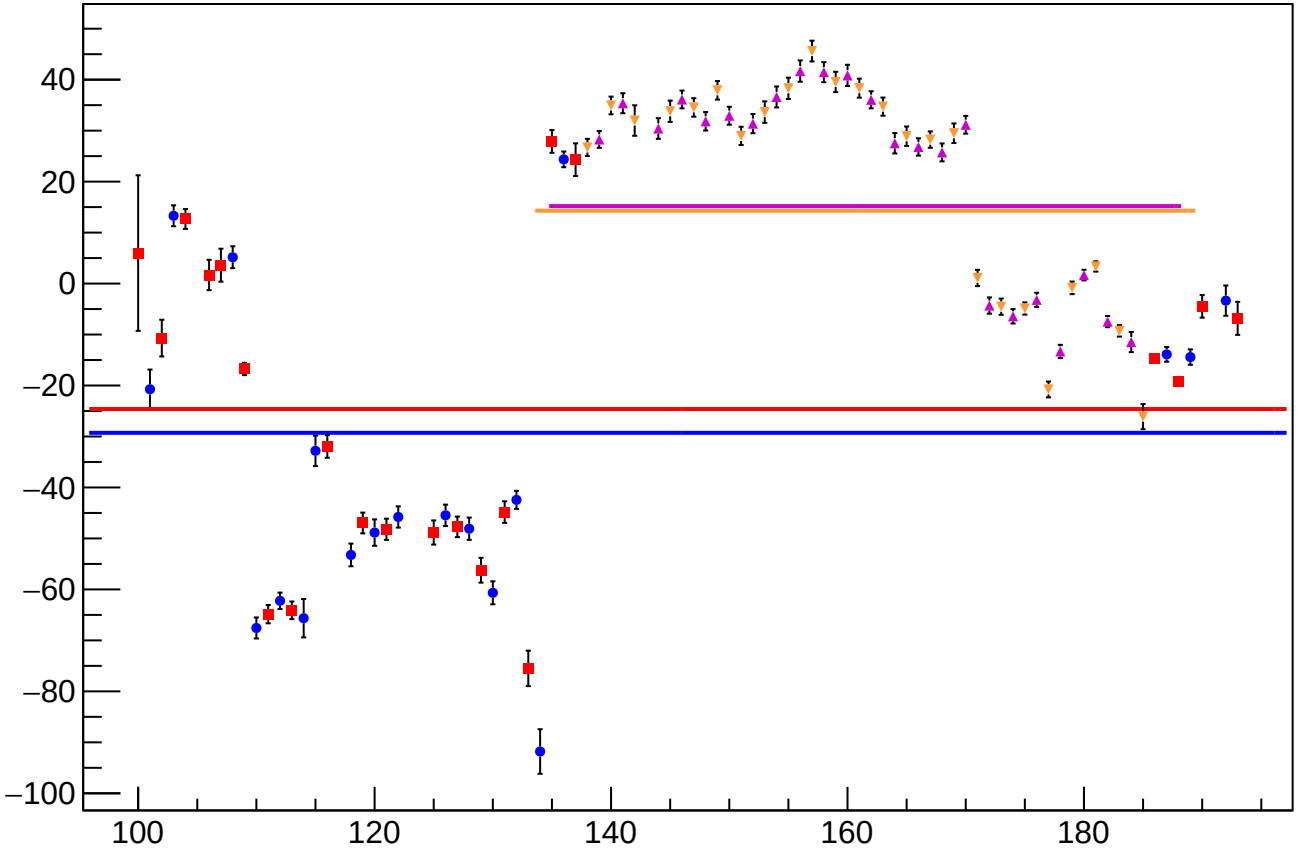
Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

\+ sign -4.550+/-0.019 χ^2/NDF: 749596.0/42

All: -5.105+/-0.014 χ^2/NDF: 1464160.7/87

\- sign -5.663+/-0.019 χ^2/NDF: 712876.4/44

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

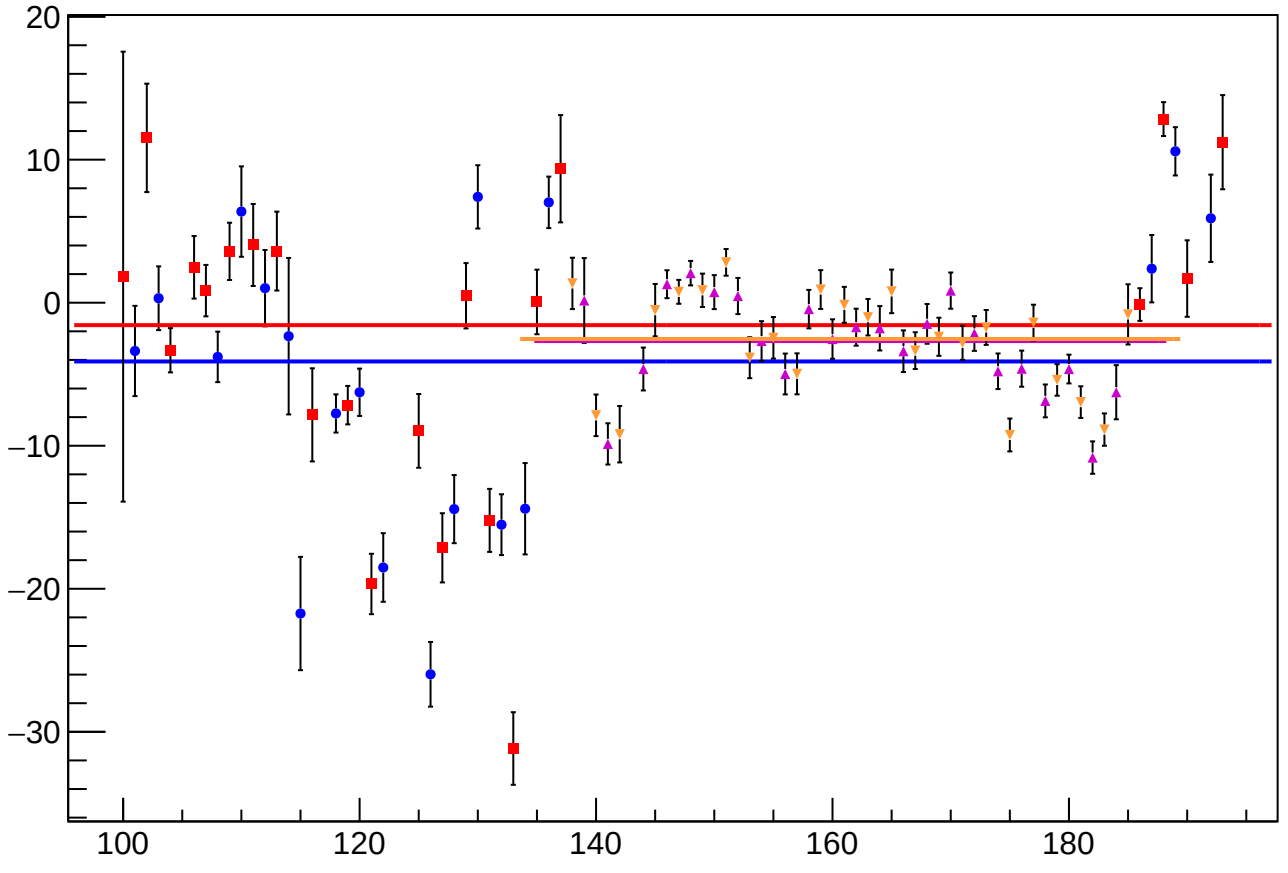
Right Out: -24.610+/-0.389 χ^2/NDF: 3627.9/21

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -0.034+/-0.275 χ^2/NDF: 13153.7/42

All: -1.083+/-0.187 χ^2/NDF: 26154.1/87

- sign -1.994+/-0.256 χ^2/NDF: 12973.1/44



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: -1.569+/-0.437 χ^2/NDF: 526.9/21

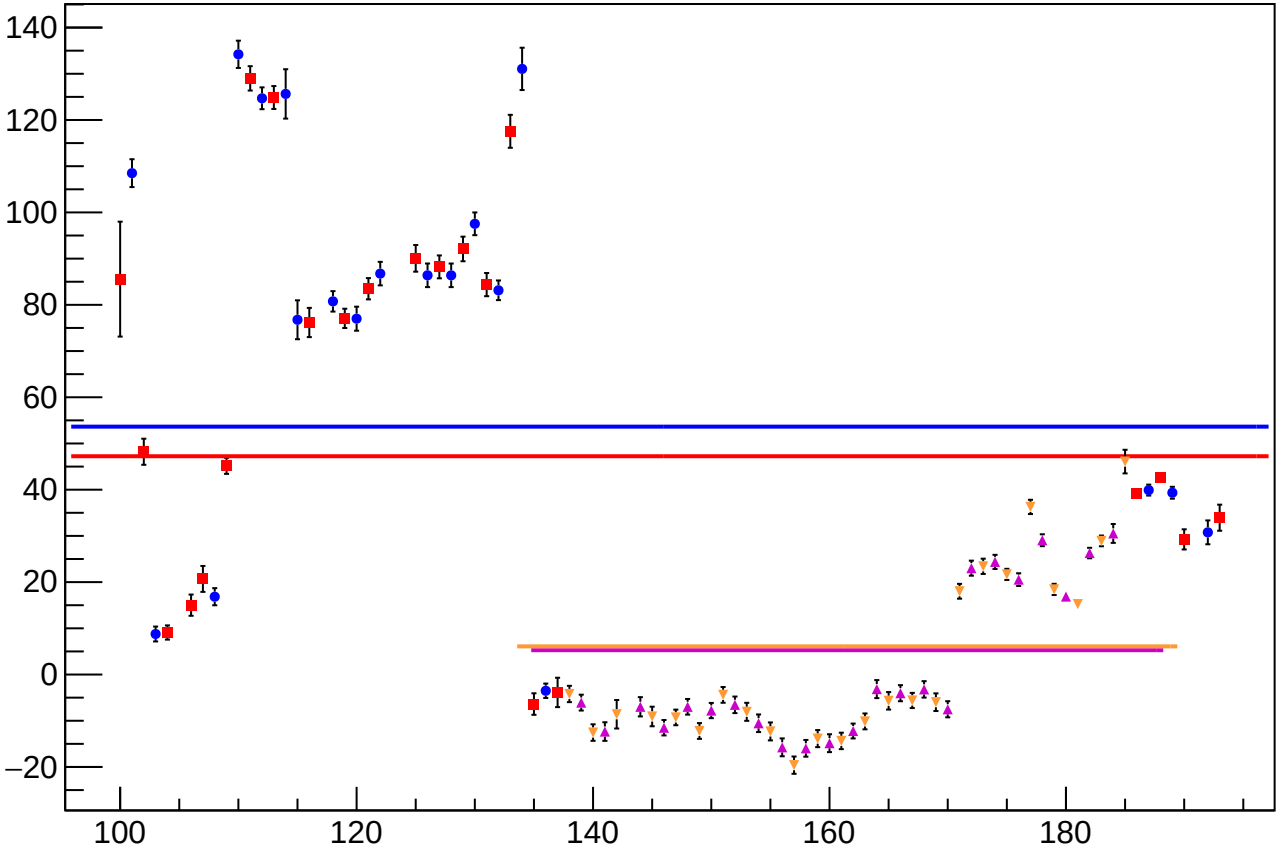
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -2.863+/-0.231 χ^2/NDF: 600.5/42

All: -2.619+/-0.162 χ^2/NDF: 1316.4/87

- sign -2.382+/-0.226 χ^2/NDF: 713.7/44

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: 47.239+/-0.371 χ^2/NDF: 5815.6/21

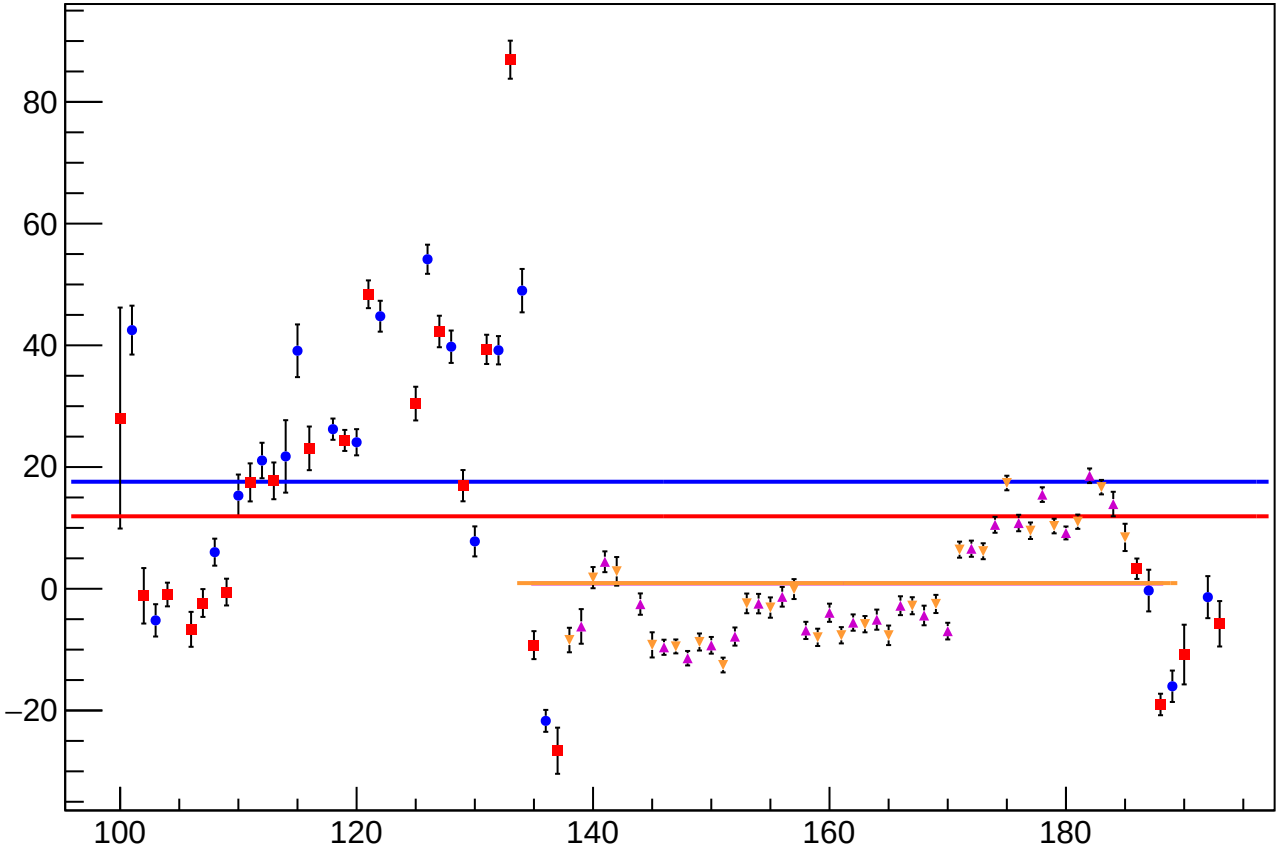
Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 21.440+/-0.274 χ^2/NDF: 15932.2/42

All: 22.946+/-0.184 χ^2/NDF: 31267.0/87

- sign 24.193+/-0.249 χ^2/NDF: 15279.6/44

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

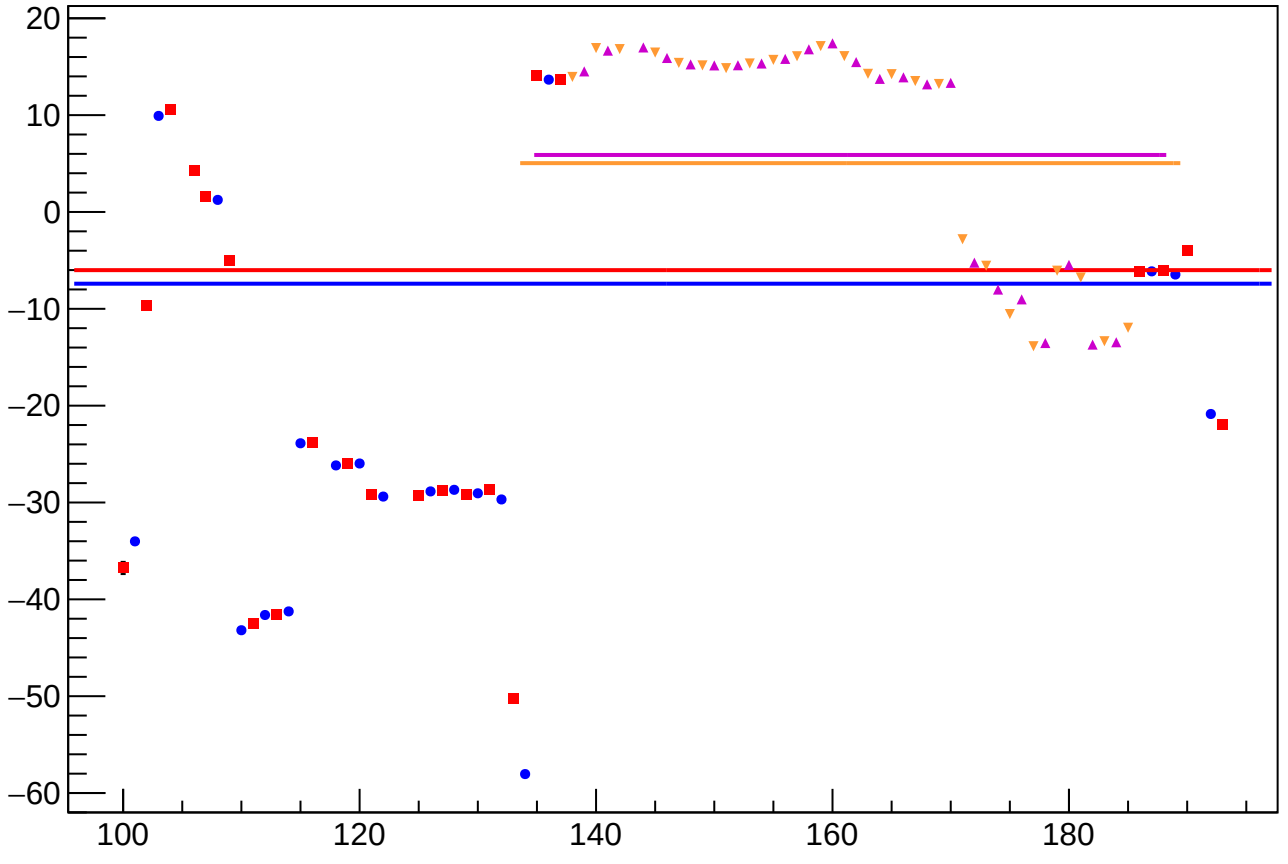
Right Out: 11.907+/-0.542 χ^2/NDF: 1946.9/21

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 4.098+/-0.263 χ^2/NDF: 3161.4/42

All: 3.762+/-0.185 χ^2/NDF: 6436.1/87

- sign 3.430+/-0.261 χ^2/NDF: 3271.4/44



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: -6.007+/-0.029 χ^2/NDF: 327291.9/21

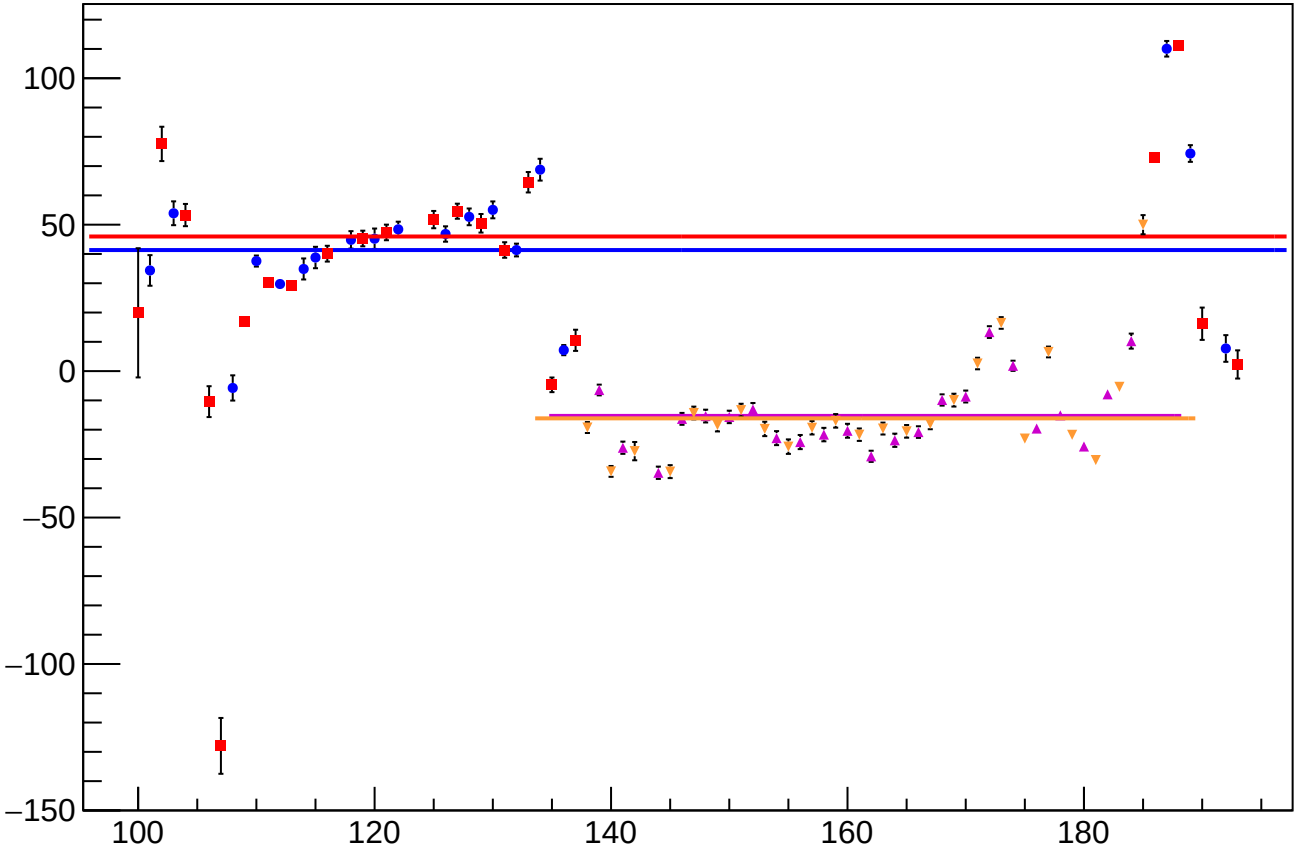
Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 3.100+/-0.012 χ^2/NDF: 1424167.4/42

All: 3.481+/-0.008 χ^2/NDF: 2739215.3/87

- sign 3.860+/-0.012 χ^2/NDF: 1313034.2/44

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 41.333+/-0.616 χ^2/NDF: 1538.7/18

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 45.965+/-0.545 χ^2/NDF: 3807.2/21

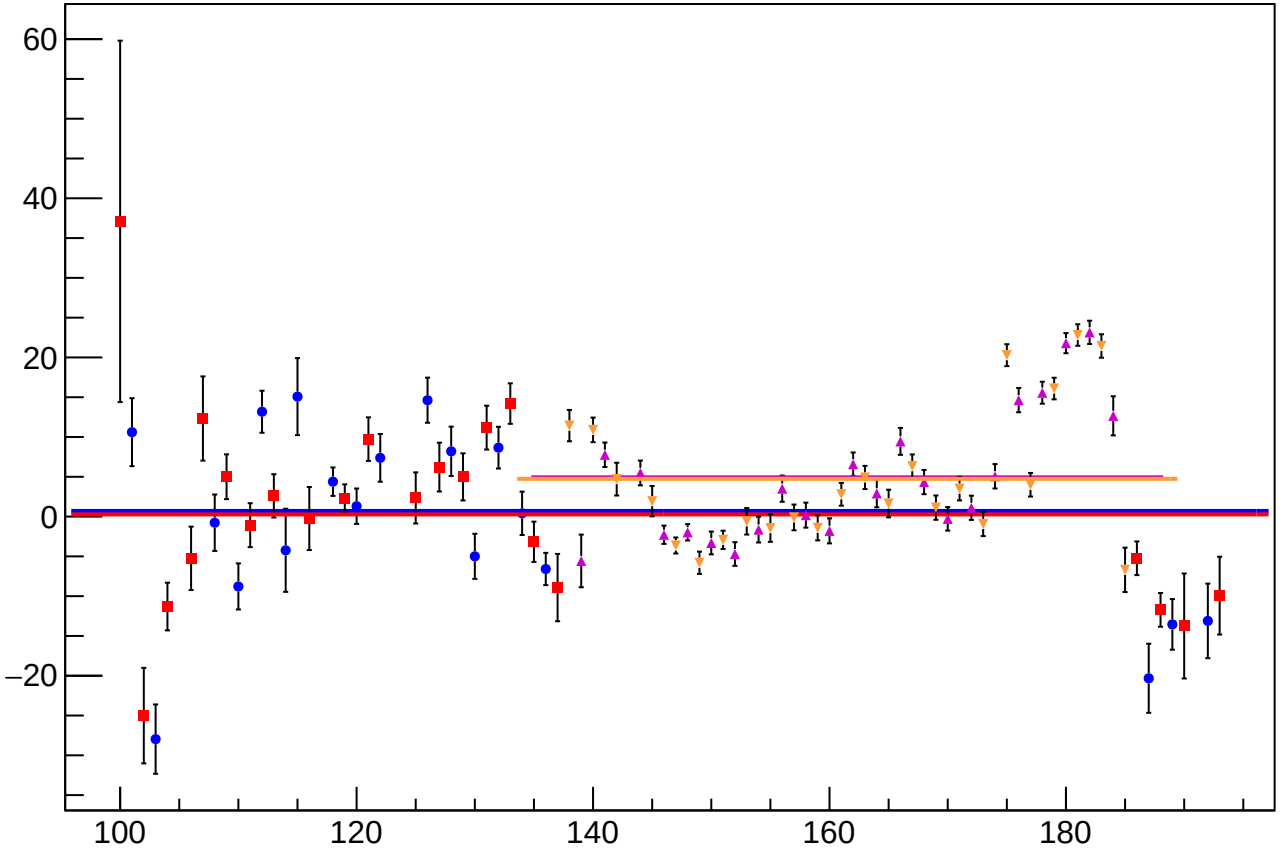
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

\+ sign 0.773+/-0.334 χ^2/NDF: 9039.5/42

All: 3.663+/-0.233 χ^2/NDF: 21919.5/87

\- sign 6.379+/-0.324 χ^2/NDF: 12735.0/44

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: 0.274+/-0.637 χ^2/NDF: 165.9/21

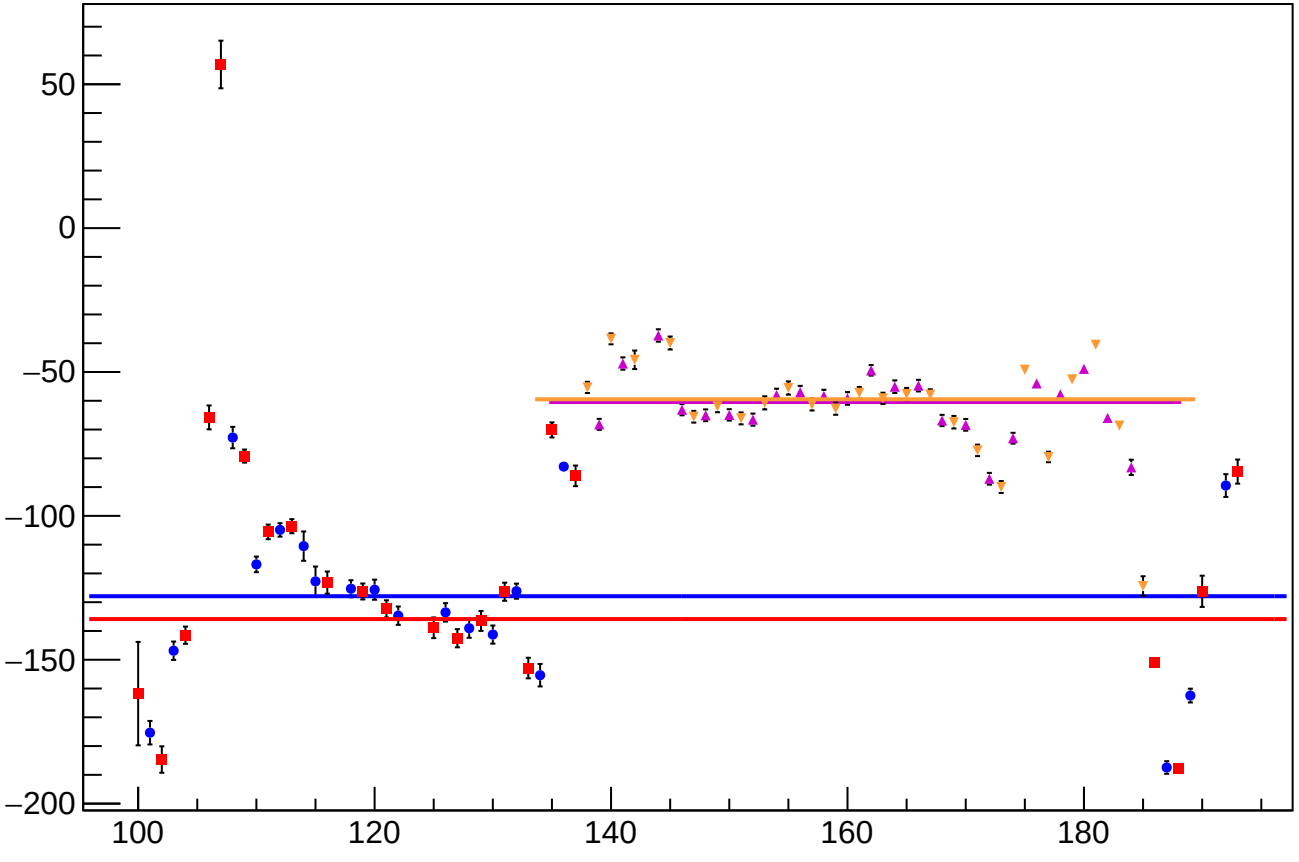
Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 4.046+/-0.279 χ^2/NDF: 1033.0/42

All: 4.037+/-0.198 χ^2/NDF: 1930.4/87

- sign 4.028+/-0.281 χ^2/NDF: 897.4/44

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

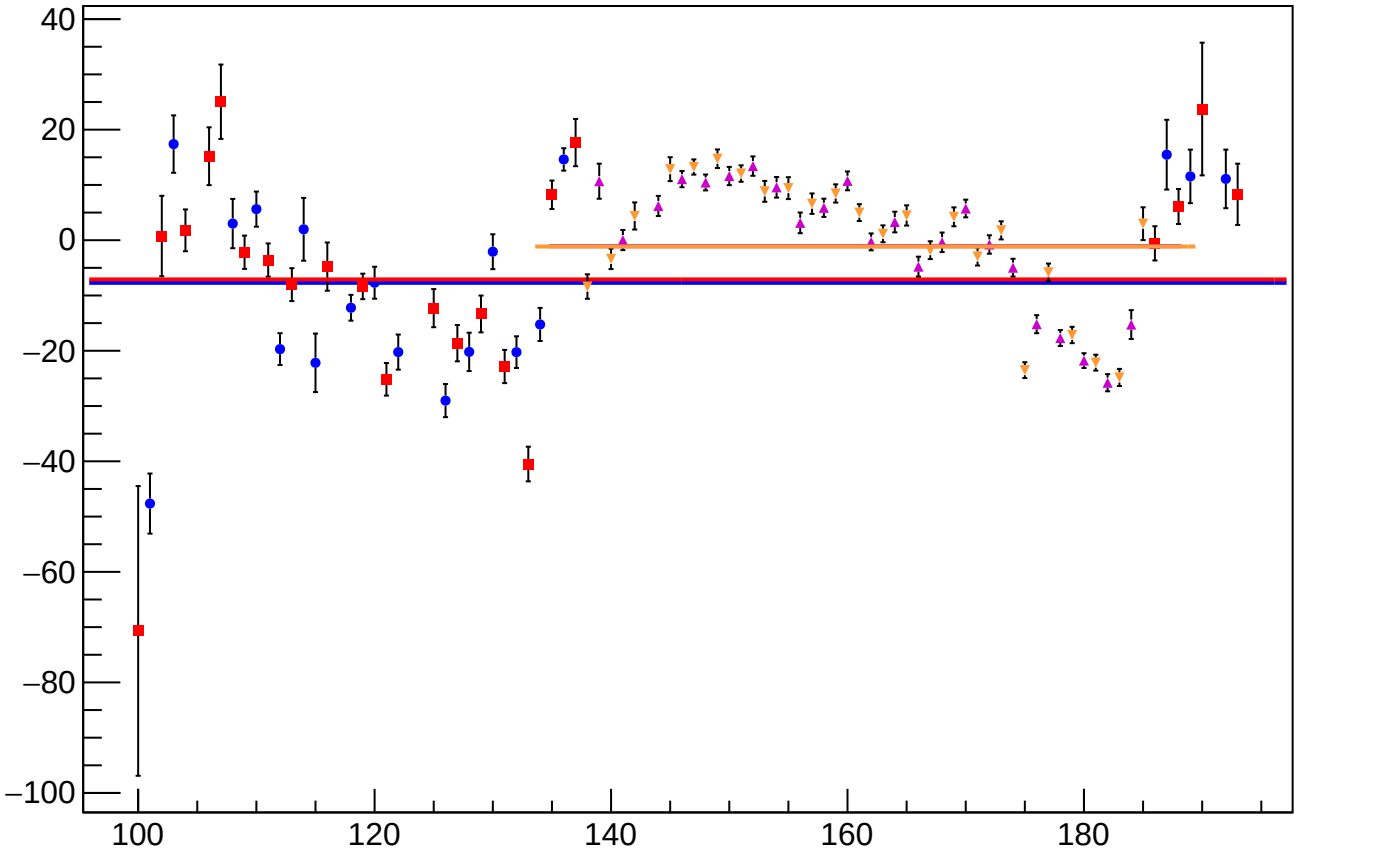
Right Out: -135.867+/-0.575 χ^2/NDF: 4857.6/21

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -76.916+/-0.341 χ^2/NDF: 11329.6/42

All: -81.104+/-0.236 χ^2/NDF: 28747.8/87

\- sign -84.983+/-0.328 χ^2/NDF: 17127.6/44



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: -7.098+/-0.753 χ^2/NDF: 359.7/21

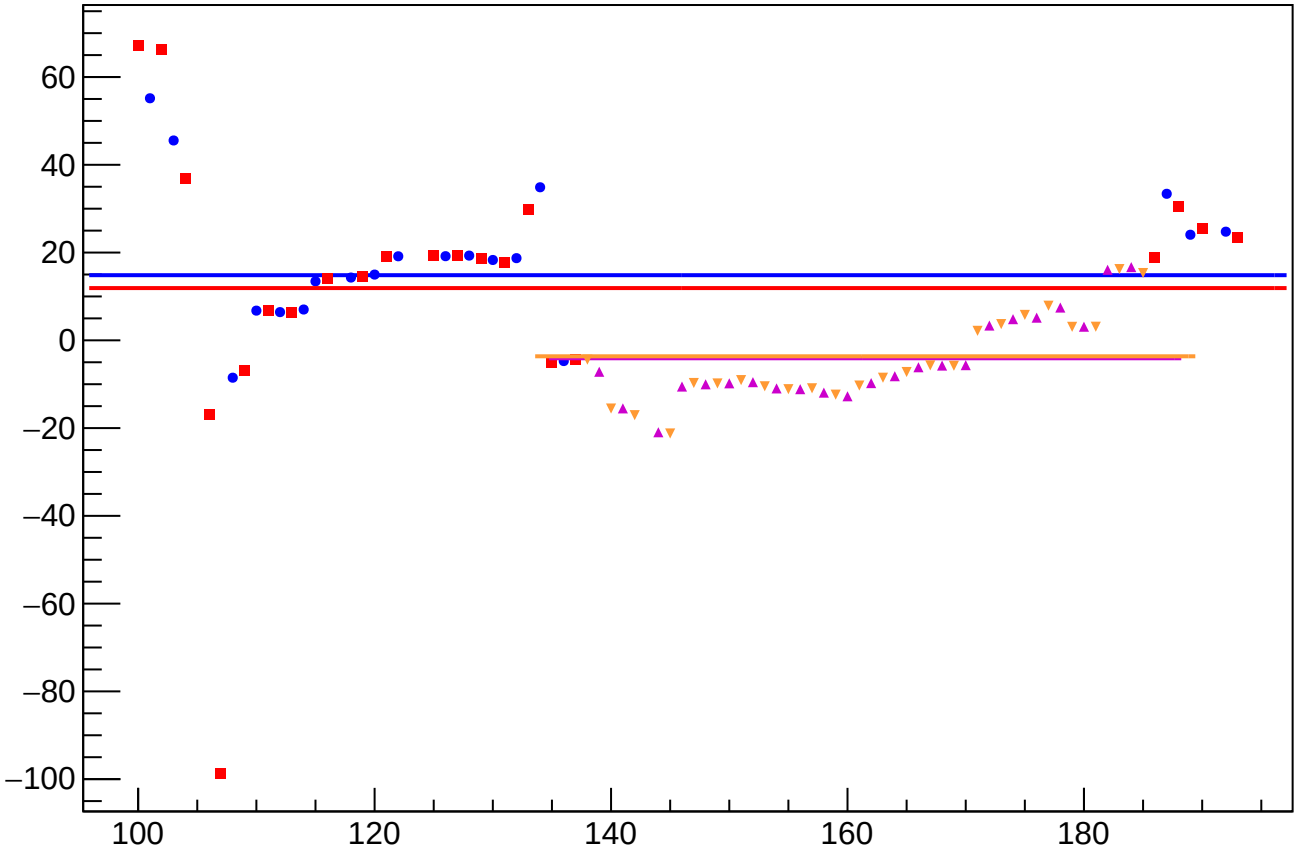
Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -2.243+/-0.315 χ^2/NDF: 1766.0/42

All: -2.202+/-0.224 χ^2/NDF: 3335.5/87

- sign -2.161+/-0.319 χ^2/NDF: 1569.5/44

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 14.845+/-0.043 χ^2/NDF: 192803.2/18

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

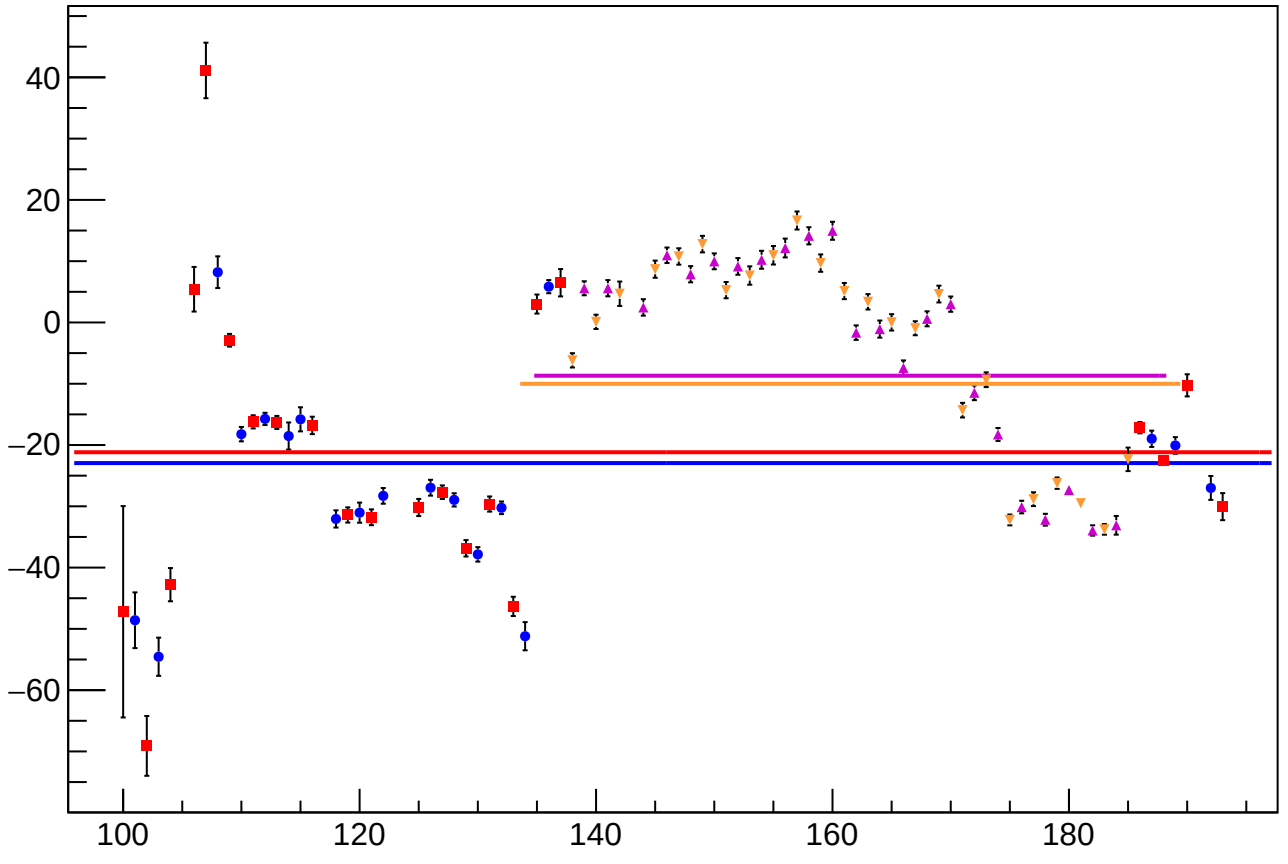
Right Out: 11.906+/-0.043 χ^2/NDF: 314649.6/21

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -1.485+/-0.015 χ^2/NDF: 705453.3/42

All: -1.858+/-0.010 χ^2/NDF: 1477744.6/87

- sign -2.236+/-0.015 χ^2/NDF: 770960.0/44



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: -21.177+/-0.293 χ^2/NDF: 1890.2/21

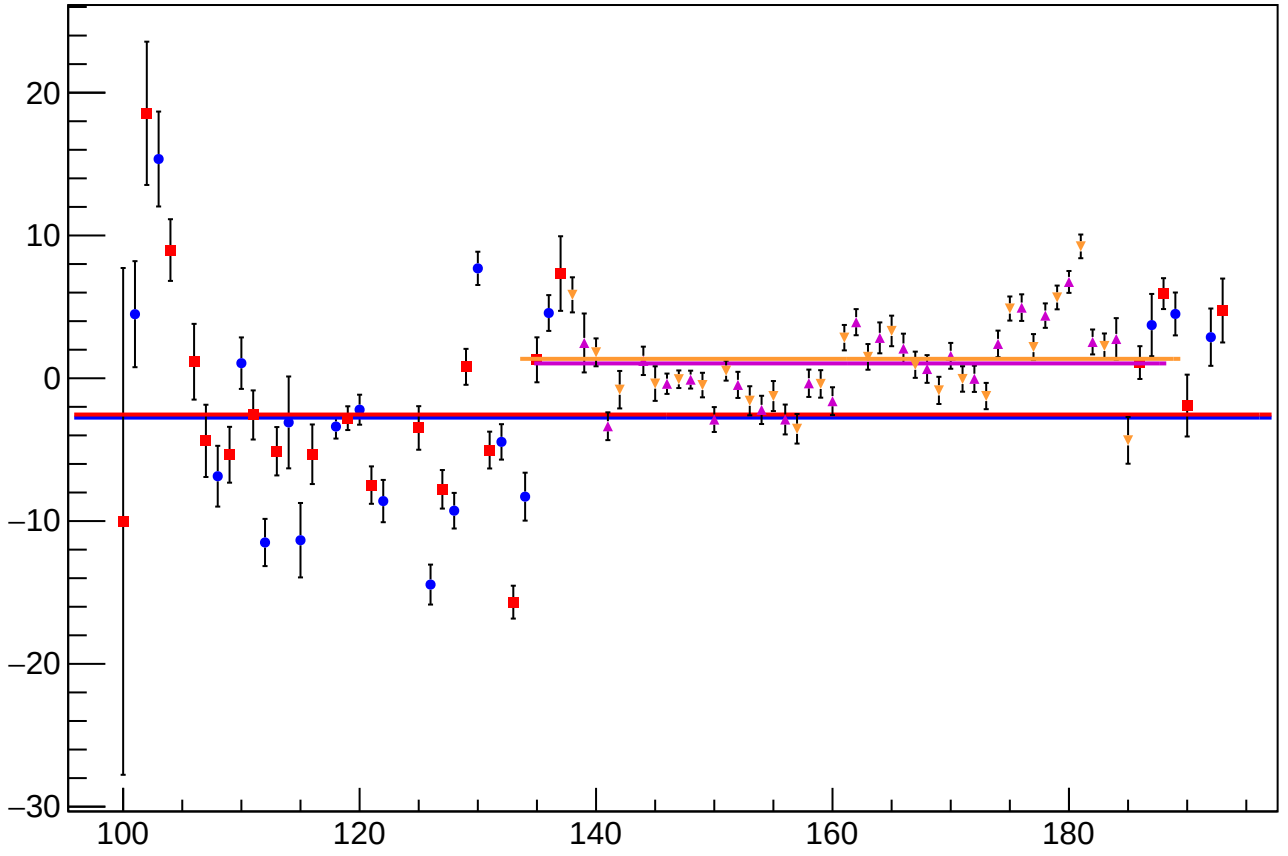
Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -14.697+/-0.195 χ^2/NDF: 7578.8/42

All: -14.285+/-0.136 χ^2/NDF: 15559.6/87

- sign -13.897+/-0.189 χ^2/NDF: 7972.1/44

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -2.754+/-0.343 χ^2/NDF: 361.6/18

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

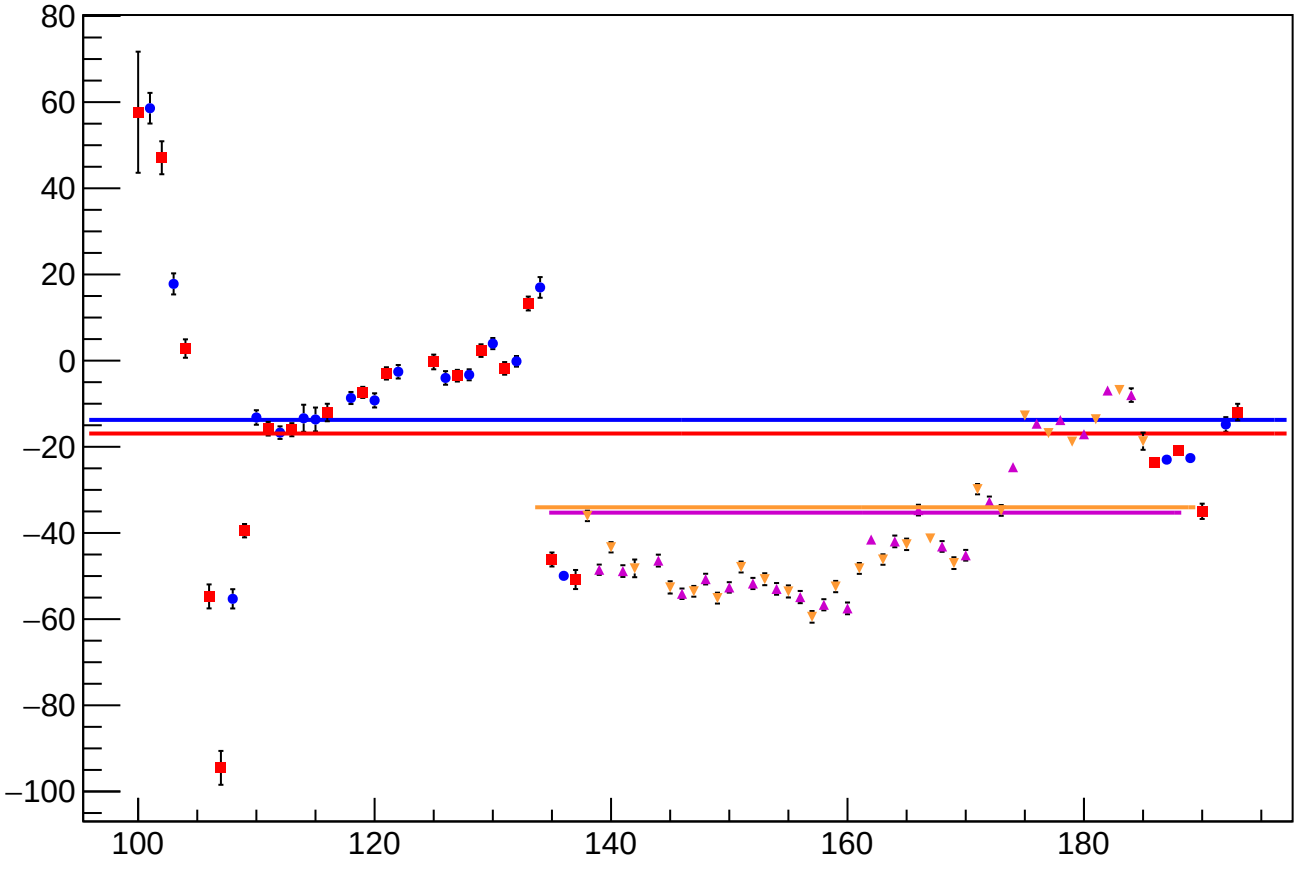
Right Out: -2.540+/-0.328 χ^2/NDF: 328.0/21

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.407+/-0.165 χ^2/NDF: 712.6/42

All: 0.266+/-0.117 χ^2/NDF: 1326.8/87

- sign 0.124+/-0.166 χ^2/NDF: 612.7/44



Right In: -13.753+/-0.354 χ^2/NDF: 2825.7/18

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -16.917+/-0.303 χ^2/NDF: 2953.0/21

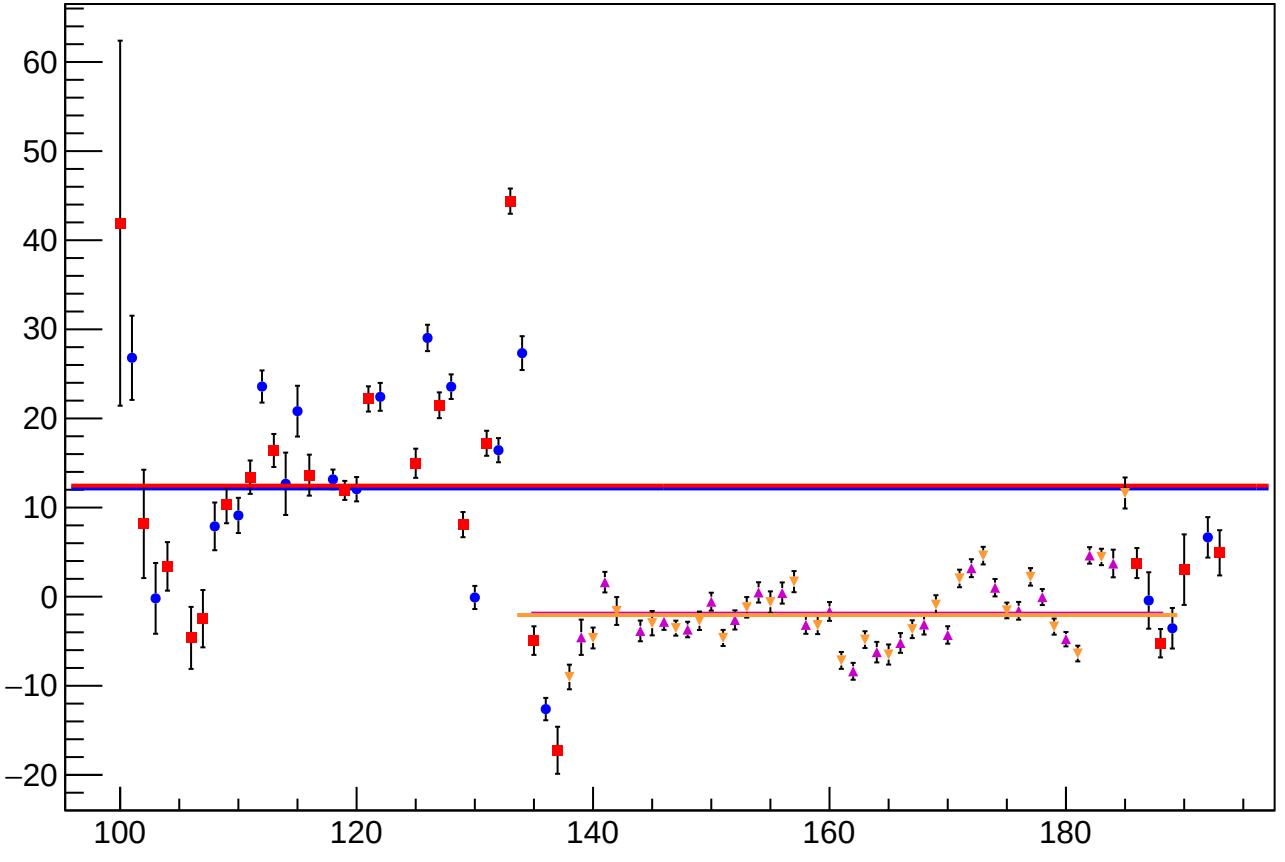
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

\+ sign -27.550+/-0.200 χ^2/NDF: 10027.9/42

All: -27.795+/-0.138 χ^2/NDF: 20197.4/87

\- sign -28.019+/-0.191 χ^2/NDF: 10166.7/44

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 12.146+/-0.398 χ^2/NDF: 937.4/18

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

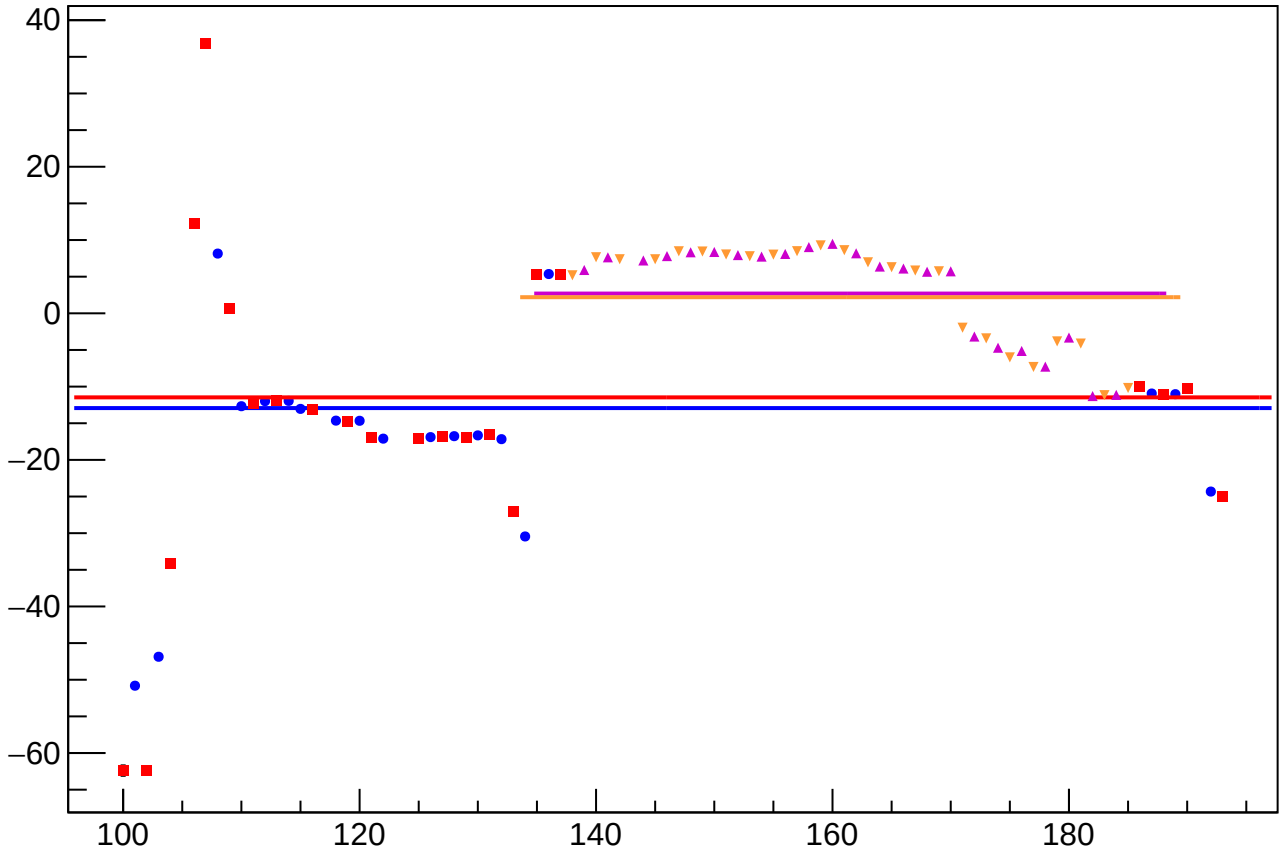
Right Out: 12.458+/-0.390 χ^2/NDF: 1092.0/21

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

\+ sign 1.079+/-0.187 χ^2/NDF: 2260.6/42

All: 1.272+/-0.133 χ^2/NDF: 4613.5/87

\- sign 1.468+/-0.189 χ^2/NDF: 2350.8/44



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: -11.470+/-0.024 χ^2/NDF: 428772.1/21

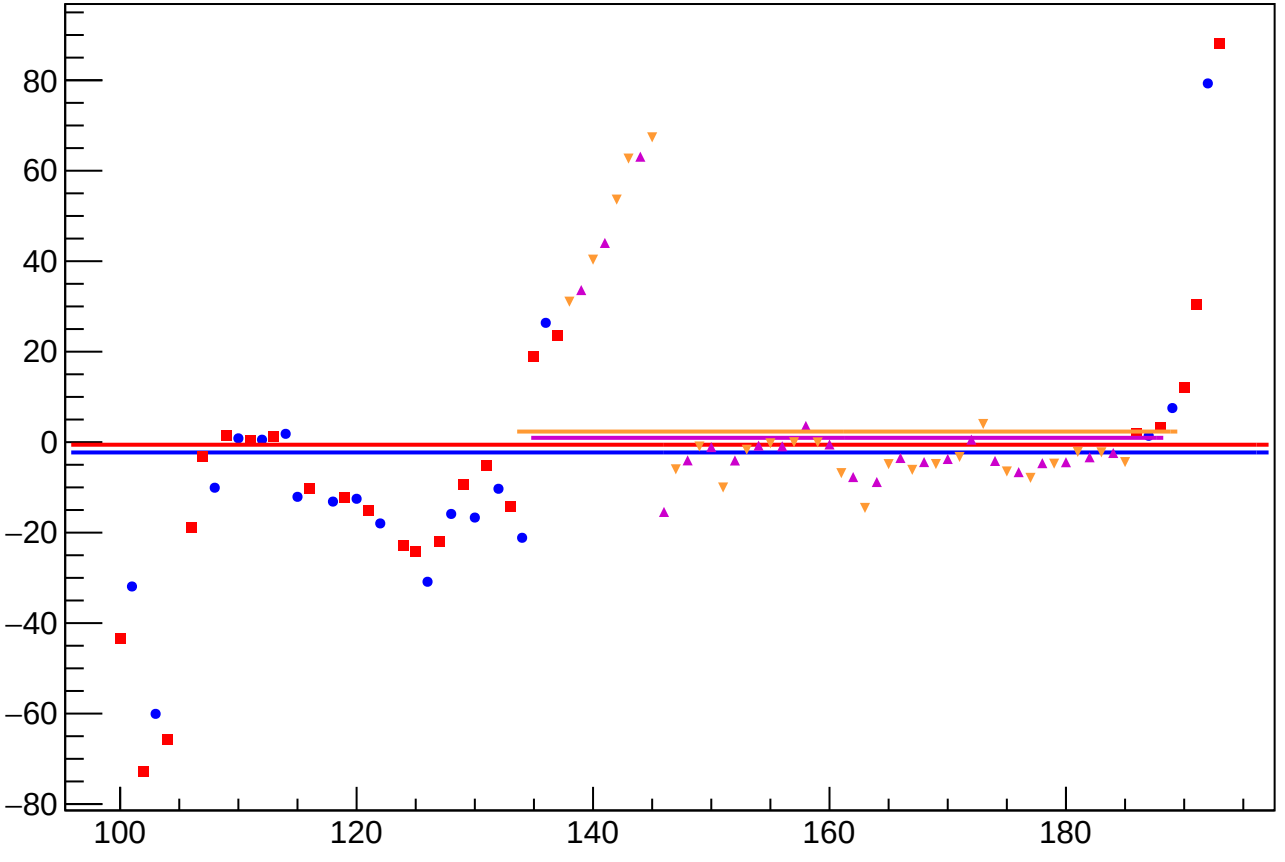
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign 0.102+/-0.009 χ^2/NDF: 1249028.5/42

All: 0.402+/-0.006 χ^2/NDF: 2487593.5/87

\- sign 0.706+/-0.009 χ^2/NDF: 1236228.8/44

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -2.277+/-0.052 χ^2/NDF: 109825.7/18

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -0.569+/-0.041 χ^2/NDF: 112979.4/23

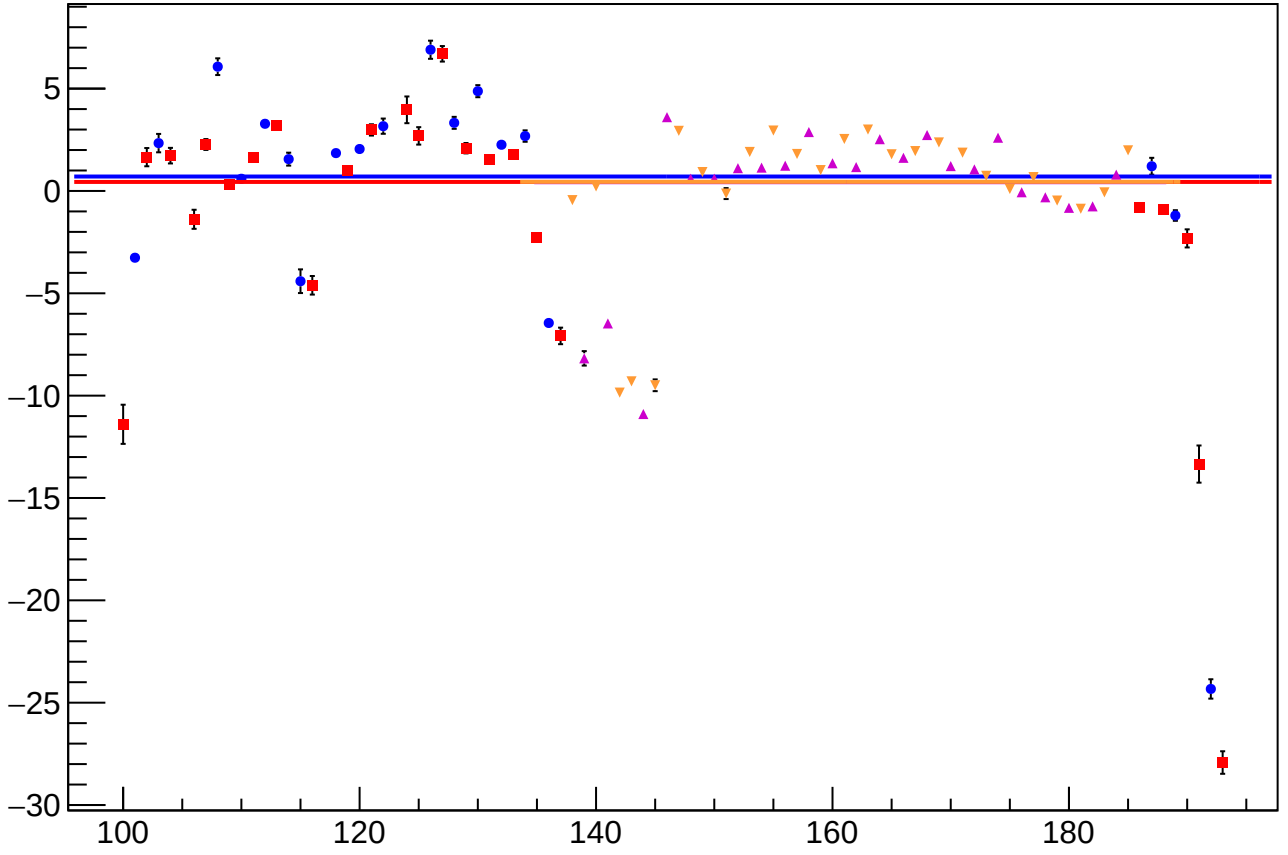
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 0.599+/-0.032 χ^2/NDF: 291774.6/43

All: 0.385+/-0.021 χ^2/NDF: 538069.4/90

- sign 0.212+/-0.029 χ^2/NDF: 246212.5/46

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: 0.441+/-0.052 χ^2/NDF: 4749.7/23

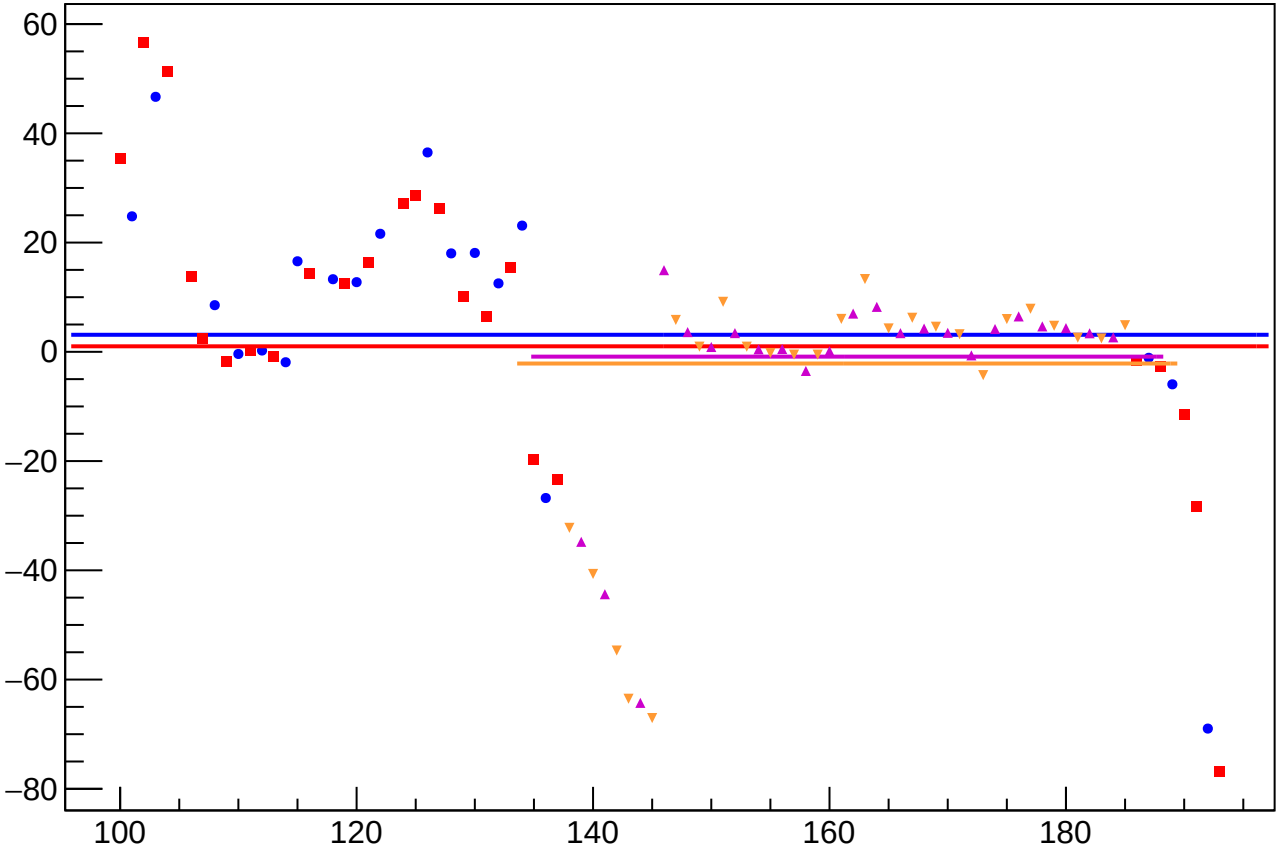
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.509+/-0.029 χ^2/NDF: 12568.2/43

All: 0.468+/-0.020 χ^2/NDF: 24424.3/90

- sign 0.431+/-0.027 χ^2/NDF: 11852.1/46

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: 1.009+/-0.046 χ^2/NDF: 111181.3/23

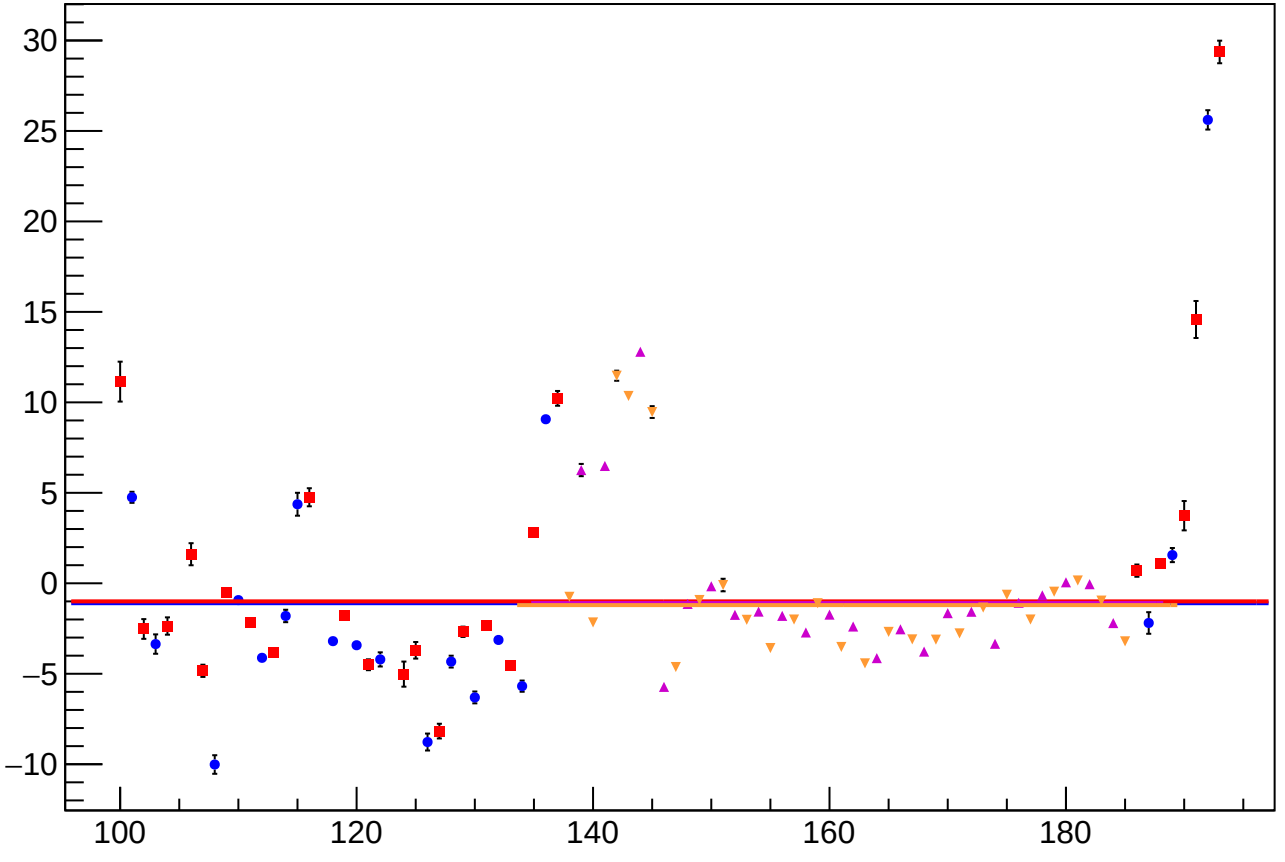
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -0.457+/-0.033 χ^2/NDF: 284996.7/43

All: -0.246+/-0.022 χ^2/NDF: 526433.8/90

- sign -0.075+/-0.030 χ^2/NDF: 241363.6/46

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: -0.999+/-0.061 χ^2/NDF: 5302.0/23

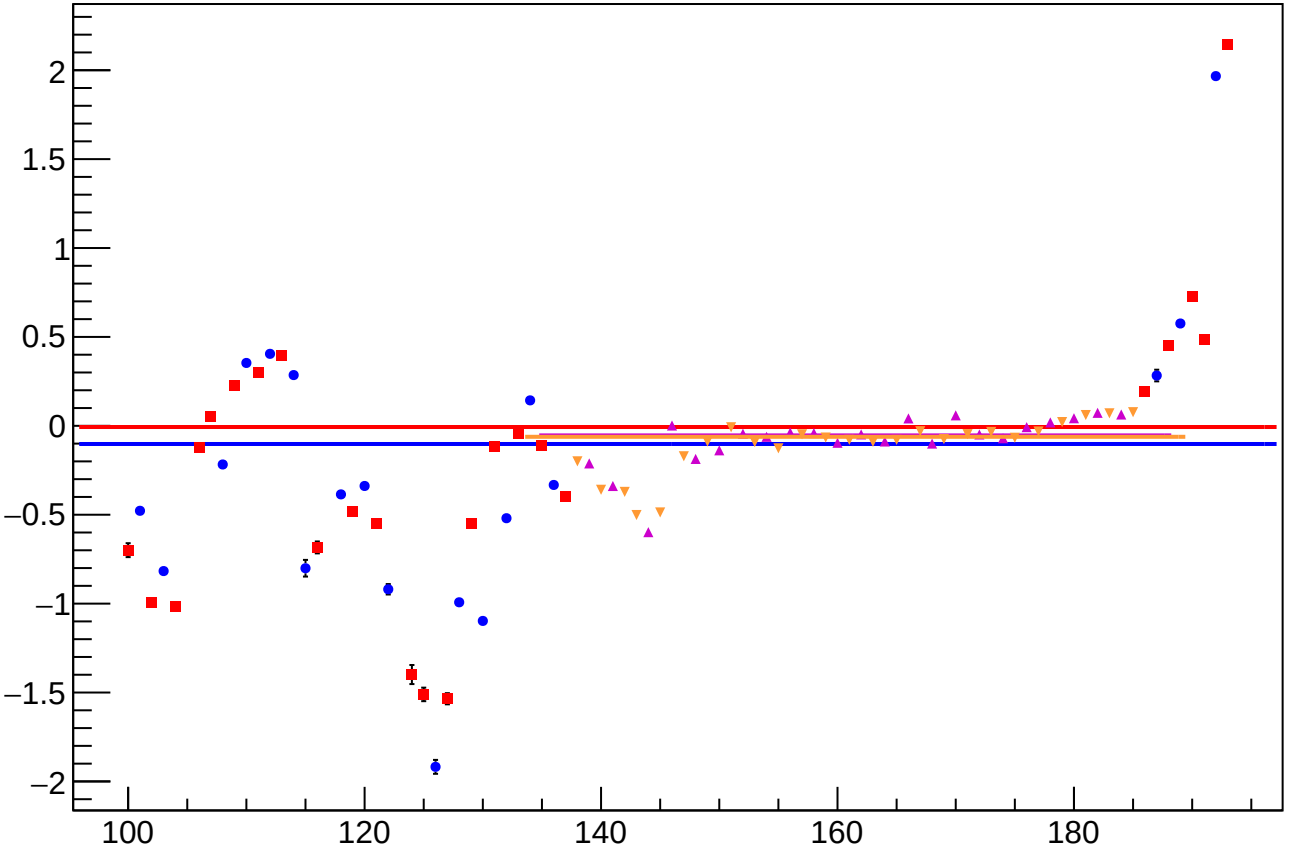
Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.182+/-0.032 χ^2/NDF: 14128.3/43

All: -1.123+/-0.022 χ^2/NDF: 26467.8/90

- sign -1.070+/-0.030 χ^2/NDF: 12333.0/46

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



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: -0.007+/-0.003 χ^2/NDF: 32161.0/23

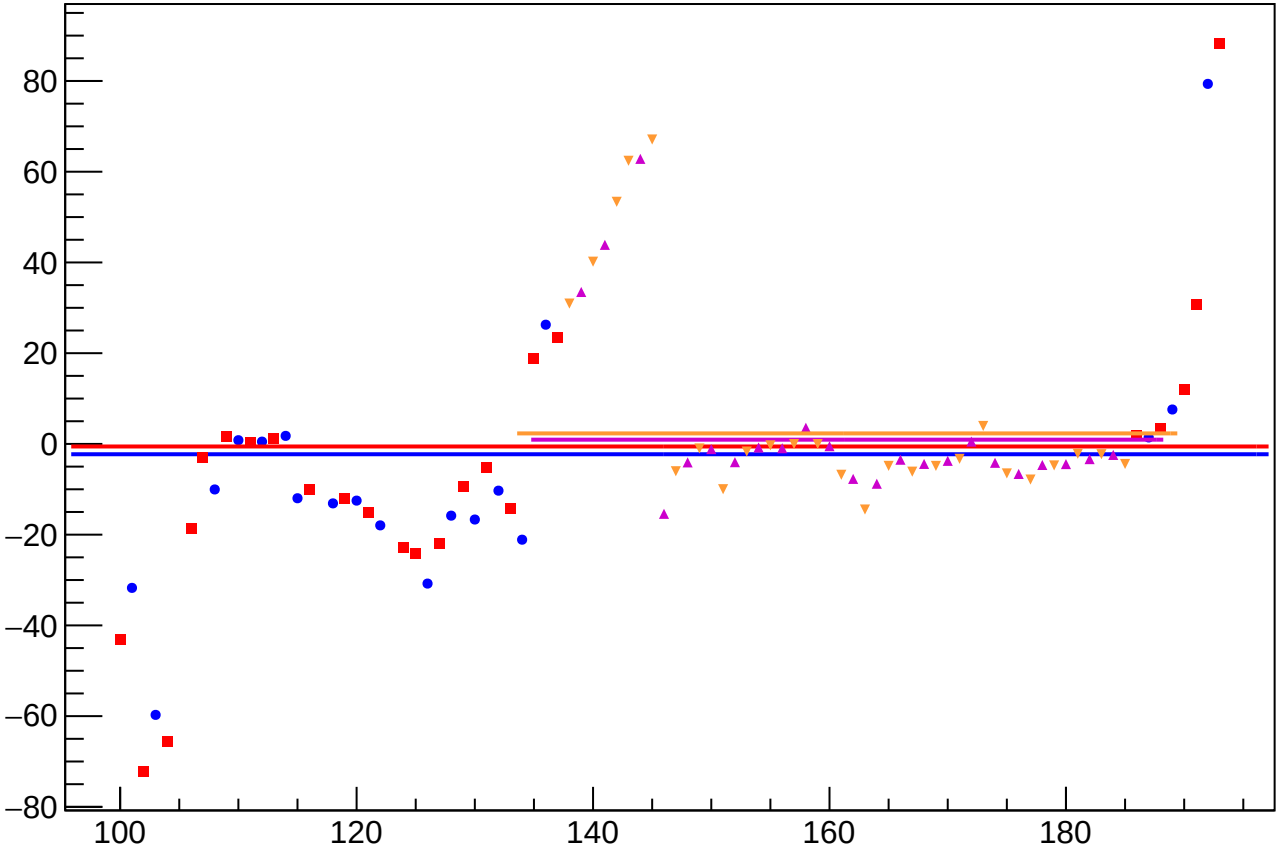
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.067+/-0.001 χ^2/NDF: 36124.0/43

All: -0.056+/-0.001 χ^2/NDF: 73580.3/90

- sign -0.046+/-0.001 χ^2/NDF: 37347.7/46

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: -0.564+/-0.041 χ^2/NDF: 113308.9/23

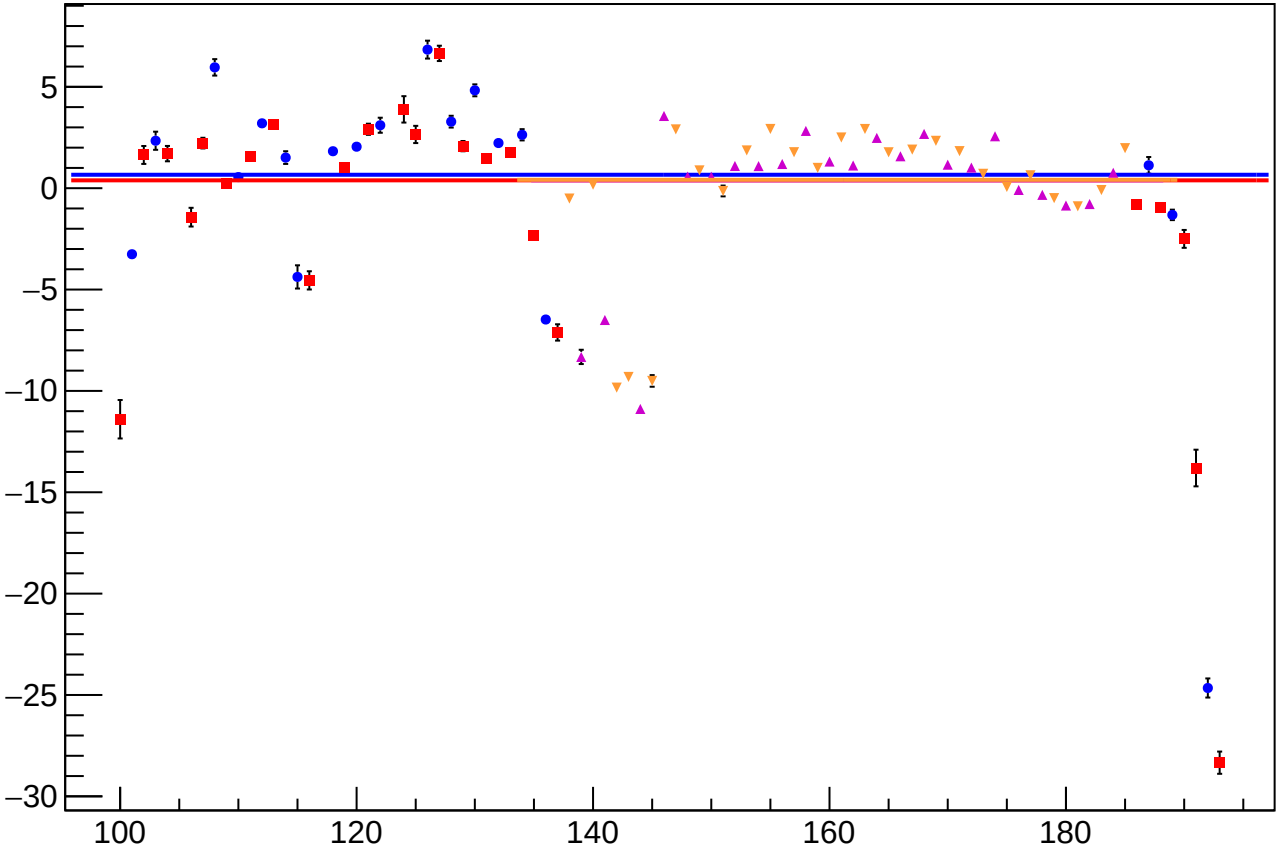
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 0.580+/-0.032 χ^2/NDF: 291824.8/43

All: 0.369+/-0.021 χ^2/NDF: 538315.1/90

- sign 0.199+/-0.028 χ^2/NDF: 246410.2/46

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: 0.387+/-0.051 χ^2/NDF: 4879.8/23

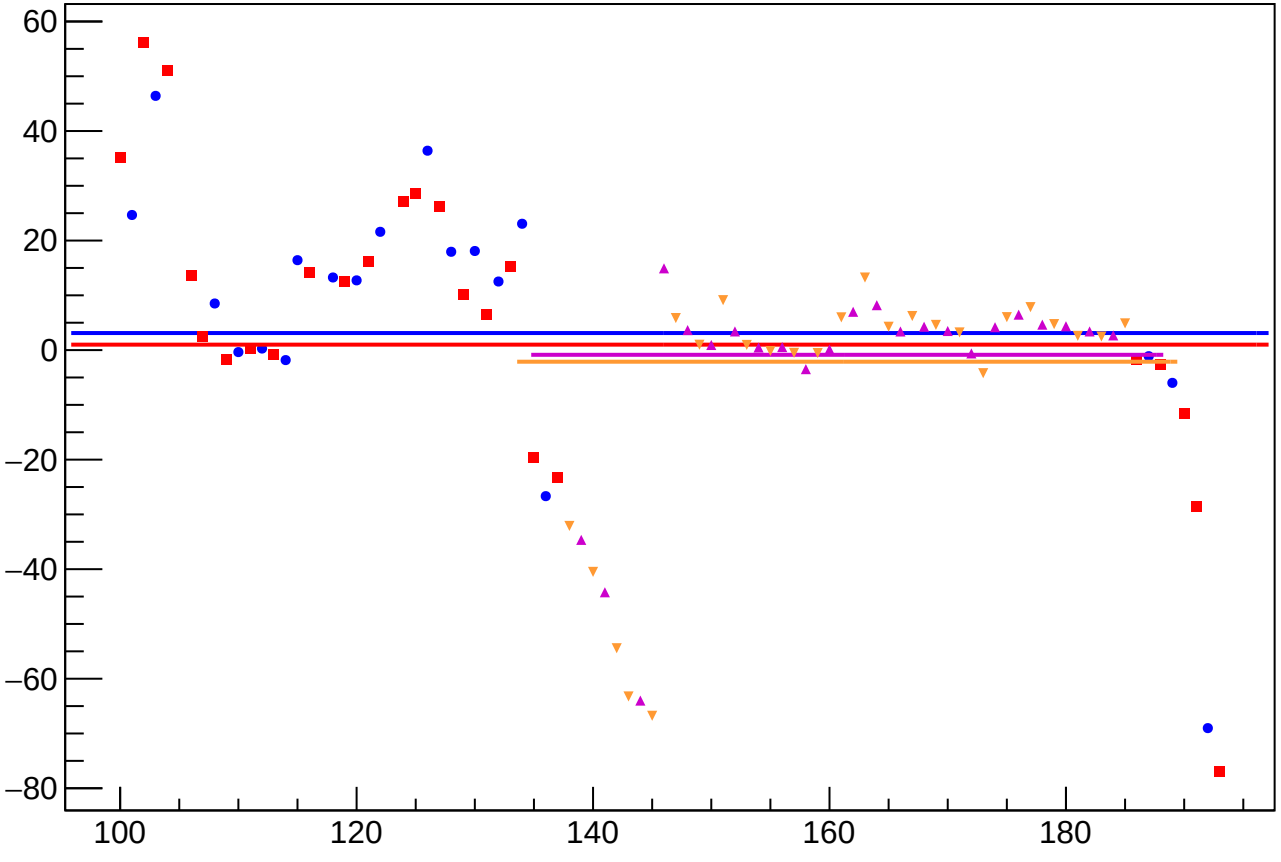
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

\+ sign 0.475+/-0.028 χ^2/NDF: 12662.4/43

All: 0.429+/-0.019 χ^2/NDF: 24661.3/90

\- sign 0.389+/-0.027 χ^2/NDF: 11994.0/46

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: 0.996+/-0.045 χ^2/NDF: 111510.1/23

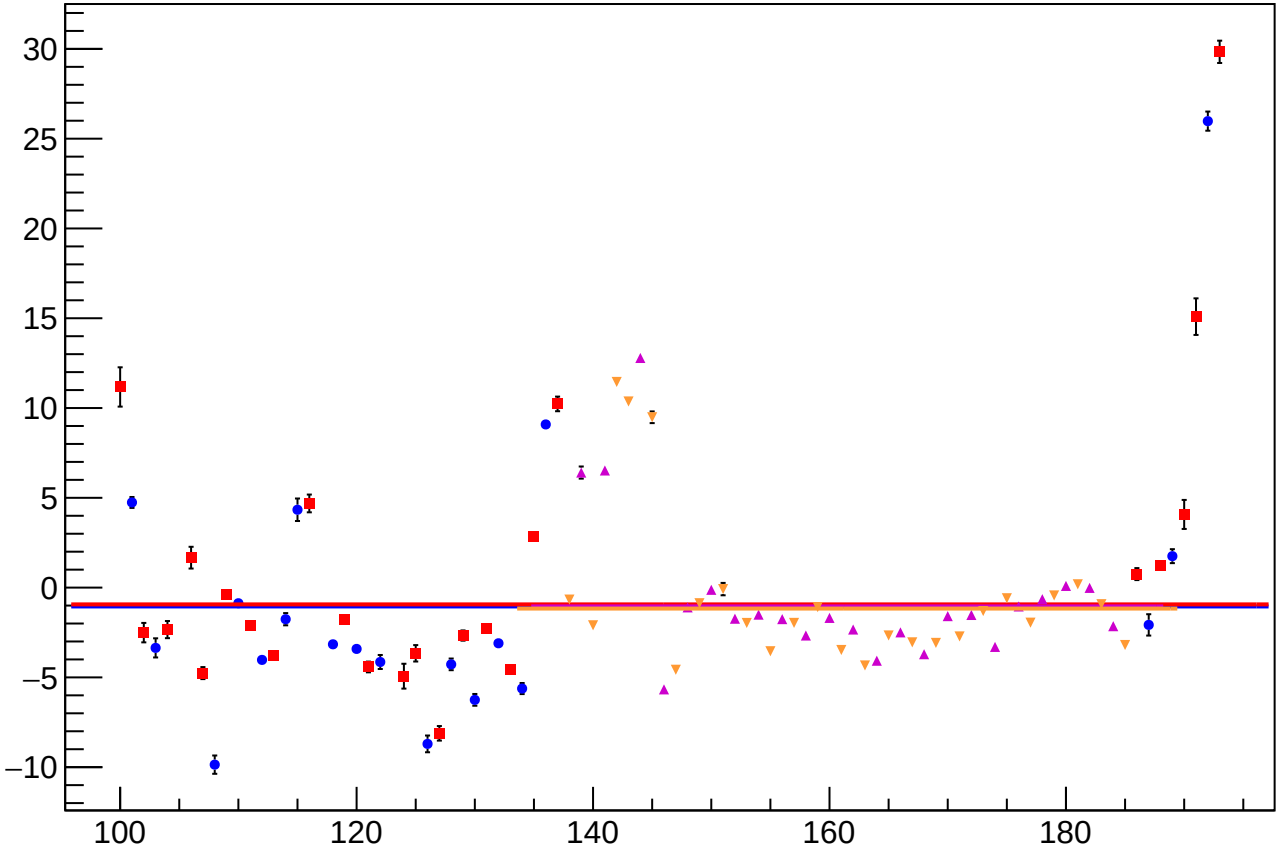
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -0.439+/-0.033 χ^2/NDF: 285042.2/43

All: -0.230+/-0.022 χ^2/NDF: 526667.6/90

- sign -0.063+/-0.030 χ^2/NDF: 241553.7/46

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

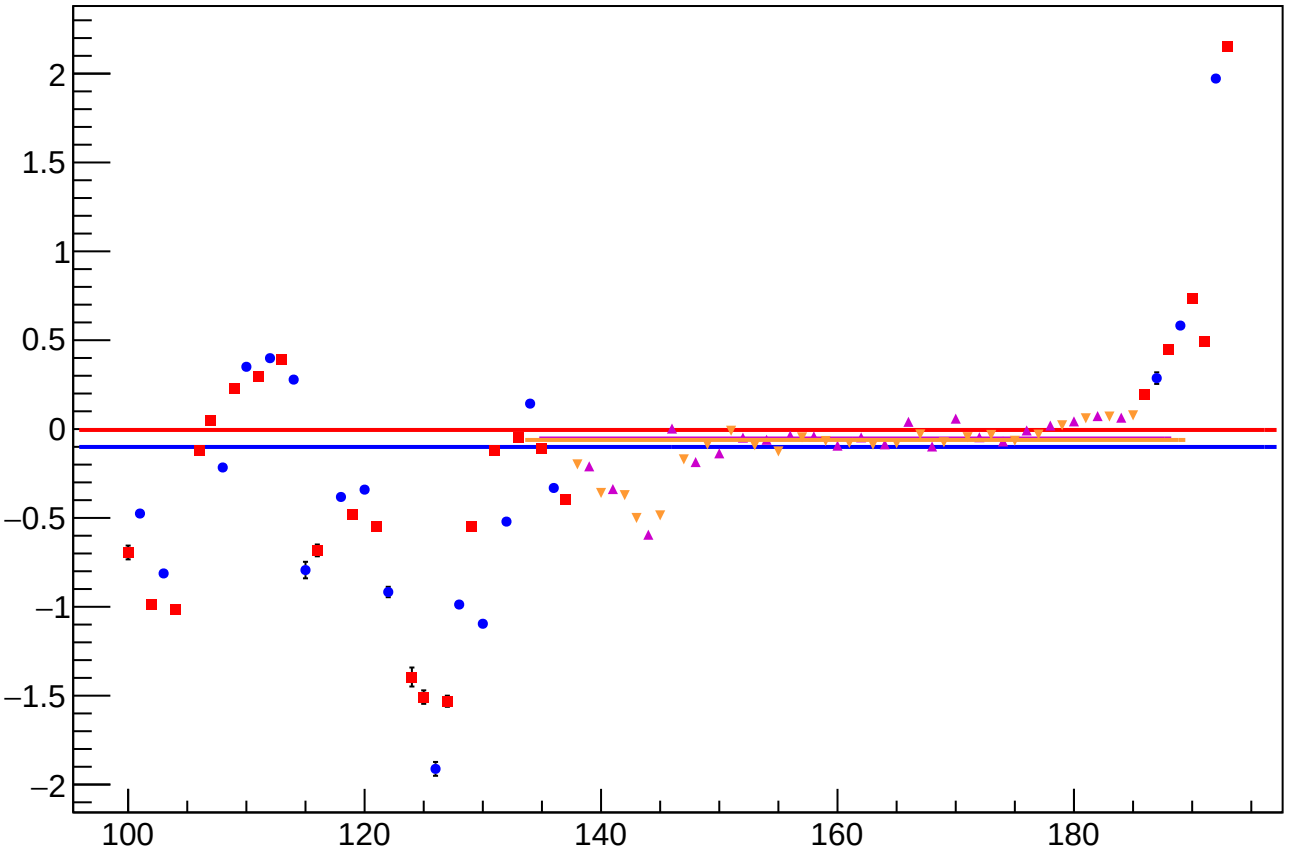
Right Out: -0.935+/-0.060 χ^2/NDF: 5427.5/23

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.141+/-0.032 χ^2/NDF: 14211.2/43

All: -1.077+/-0.022 χ^2/NDF: 26689.8/90

- sign -1.020+/-0.030 χ^2/NDF: 12470.9/46



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: -0.005+/-0.003 χ^2/NDF: 32413.9/23

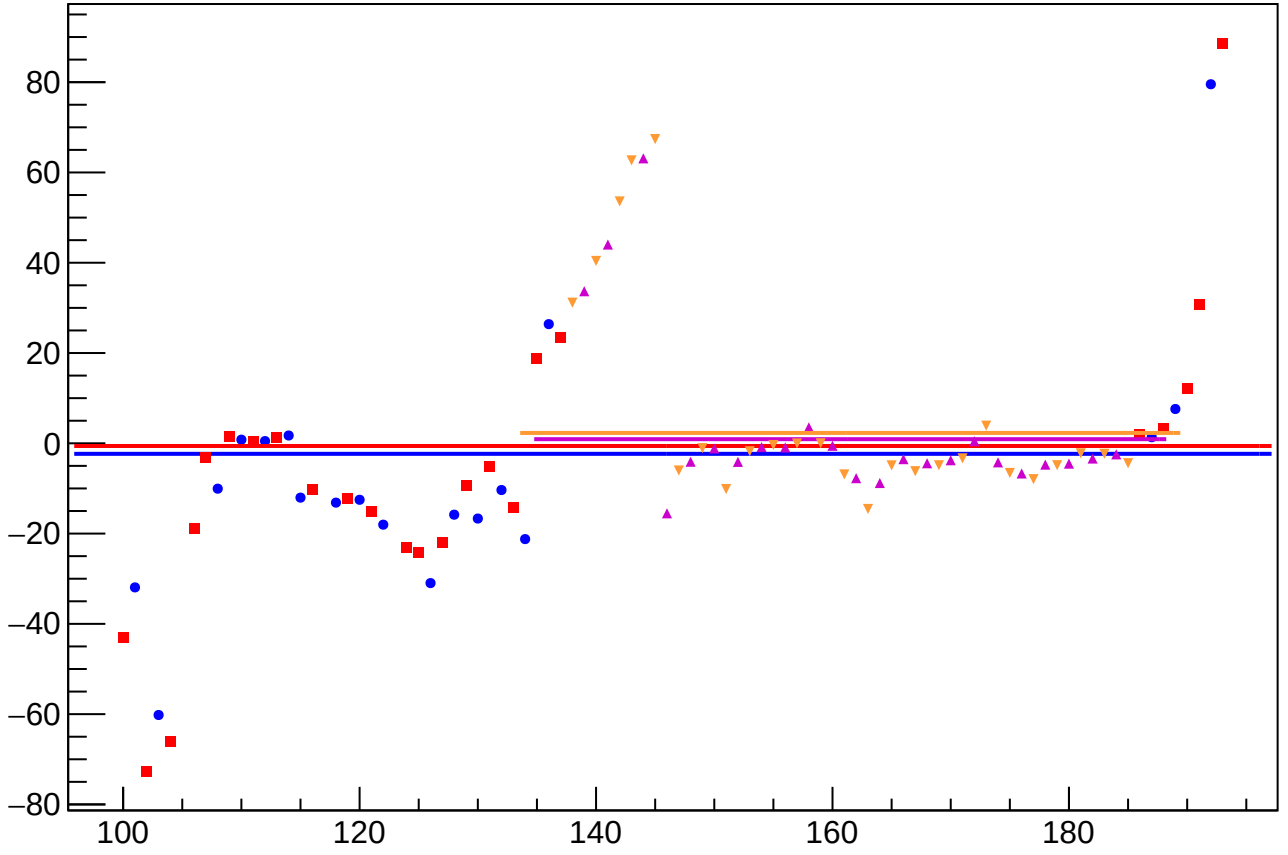
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.067+/-0.001 χ^2/NDF: 36346.3/43

All: -0.055+/-0.001 χ^2/NDF: 74043.6/90

- sign -0.045+/-0.001 χ^2/NDF: 37584.2/46

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -2.333+/-0.052 χ^2/NDF: 110102.1/18

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -0.595+/-0.041 χ^2/NDF: 113312.3/23

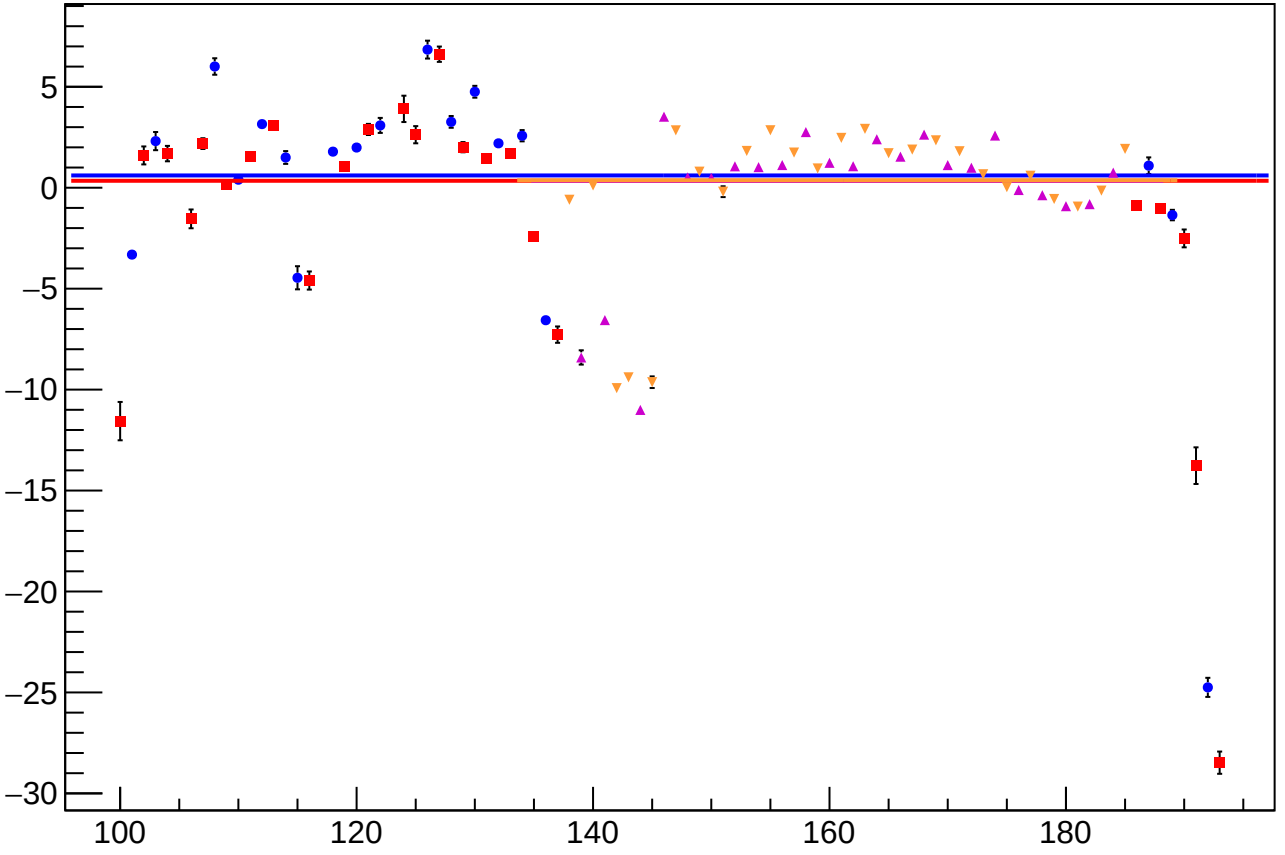
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 0.549+/-0.032 χ^2/NDF: 292266.4/43

All: 0.341+/-0.021 χ^2/NDF: 538926.9/90

- sign 0.174+/-0.029 χ^2/NDF: 246583.2/46

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: 0.345+/-0.052 χ^2/NDF: 4884.1/23

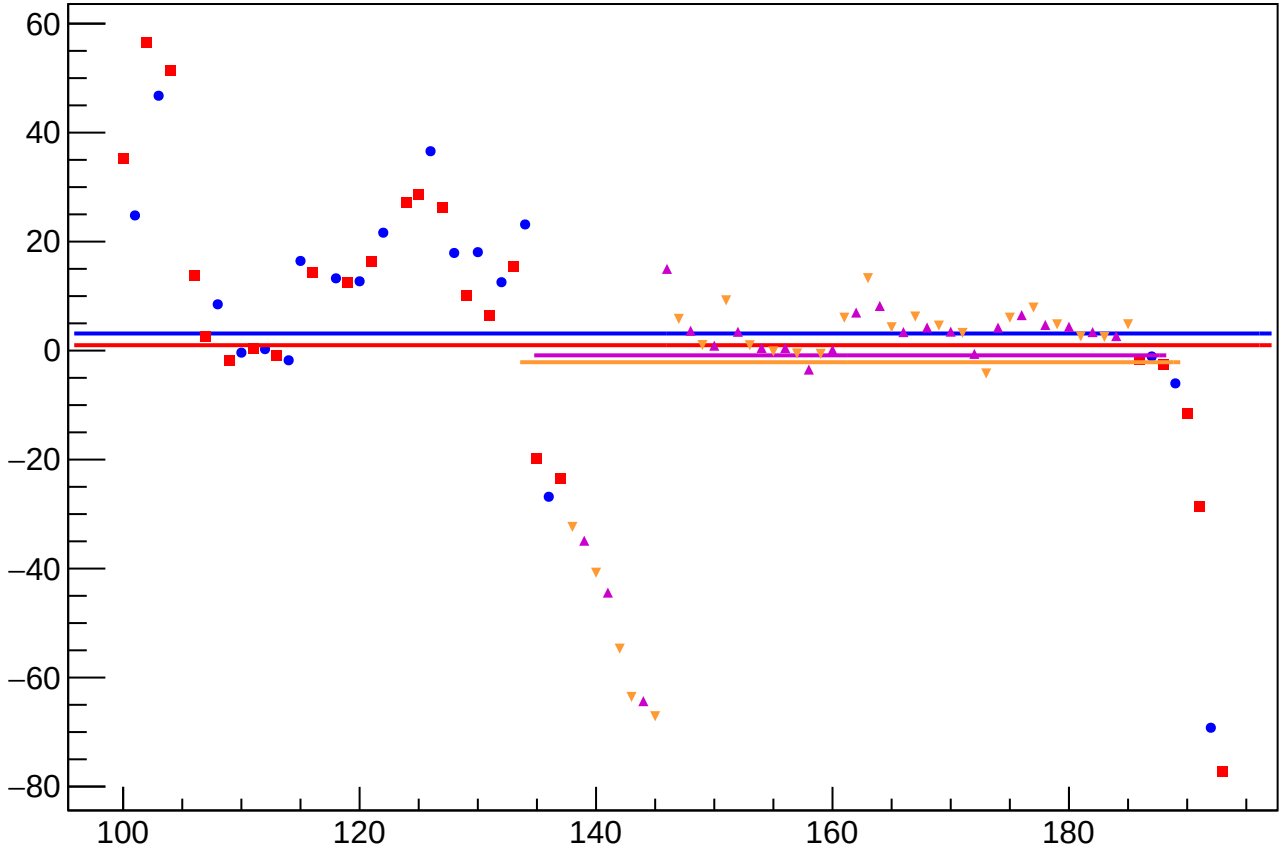
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.426+/-0.029 χ^2/NDF: 12678.6/43

All: 0.380+/-0.020 χ^2/NDF: 24661.9/90

- sign 0.339+/-0.027 χ^2/NDF: 11978.4/46

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: 0.992+/-0.045 χ^2/NDF: 111541.4/23

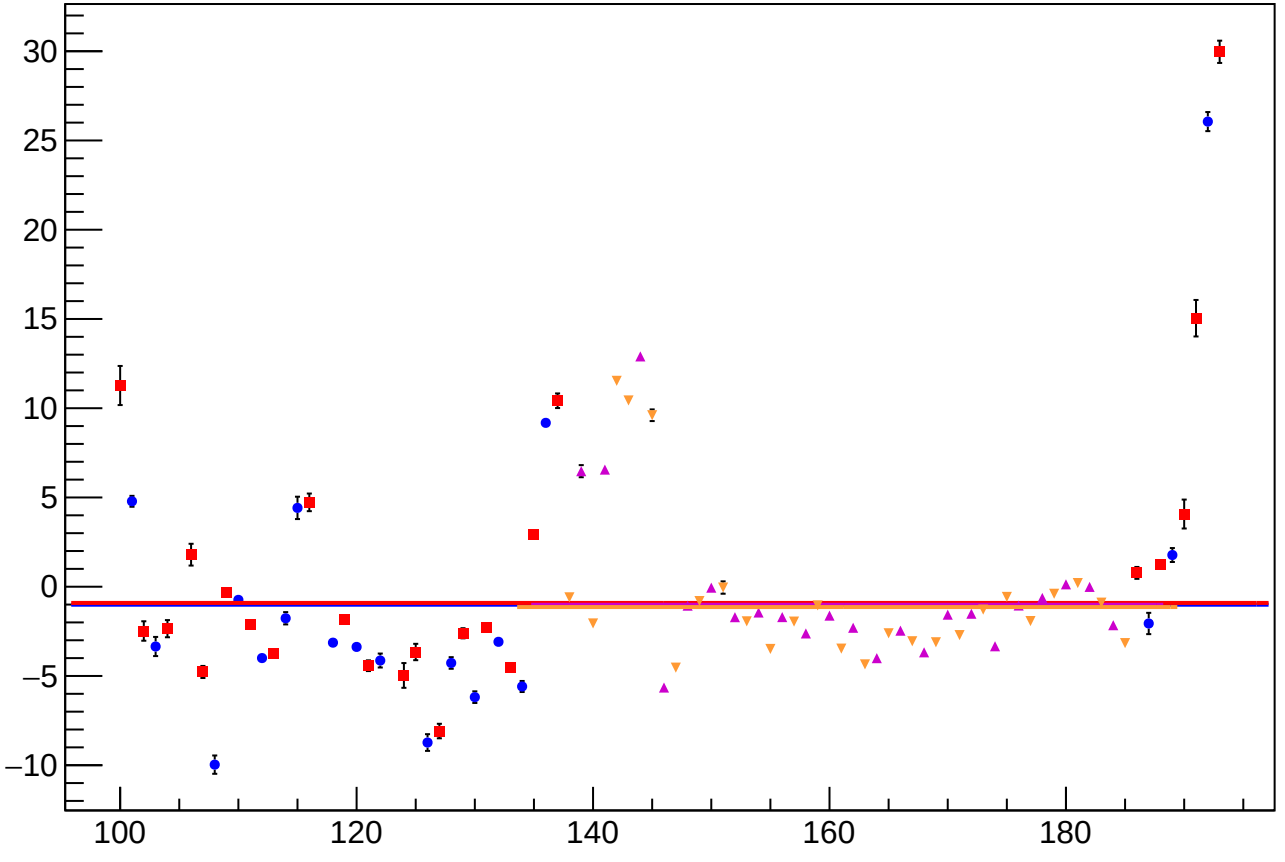
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -0.443+/-0.033 χ^2/NDF: 285496.1/43

All: -0.237+/-0.022 χ^2/NDF: 527331.1/90

- sign -0.072+/-0.030 χ^2/NDF: 241765.7/46

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: -0.908+/-0.061 χ^2/NDF: 5442.9/23

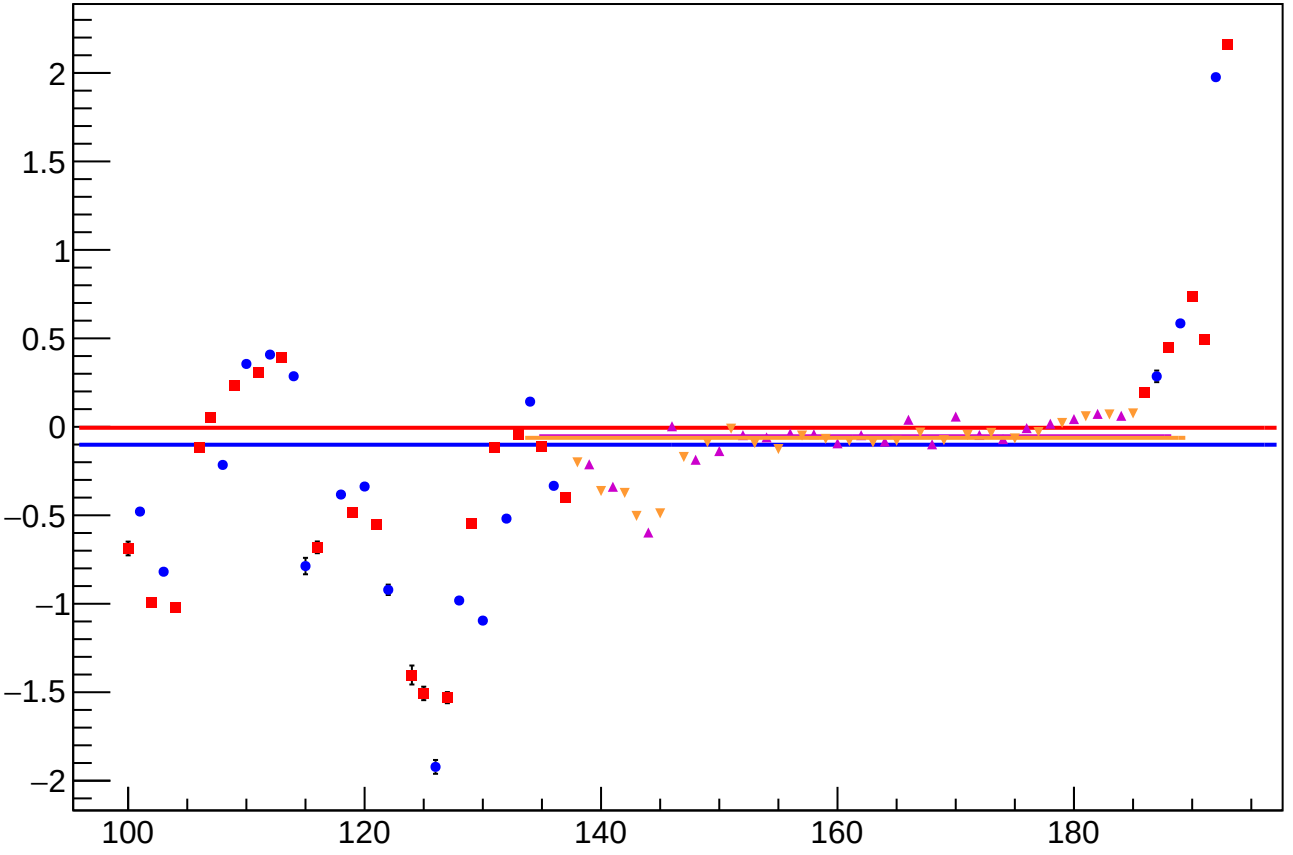
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.110+/-0.032 χ^2/NDF: 14235.7/43

All: -1.045+/-0.022 χ^2/NDF: 26715.8/90

- sign -0.987+/-0.030 χ^2/NDF: 12472.4/46

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: -0.005+/-0.003 χ^2/NDF: 32381.7/23

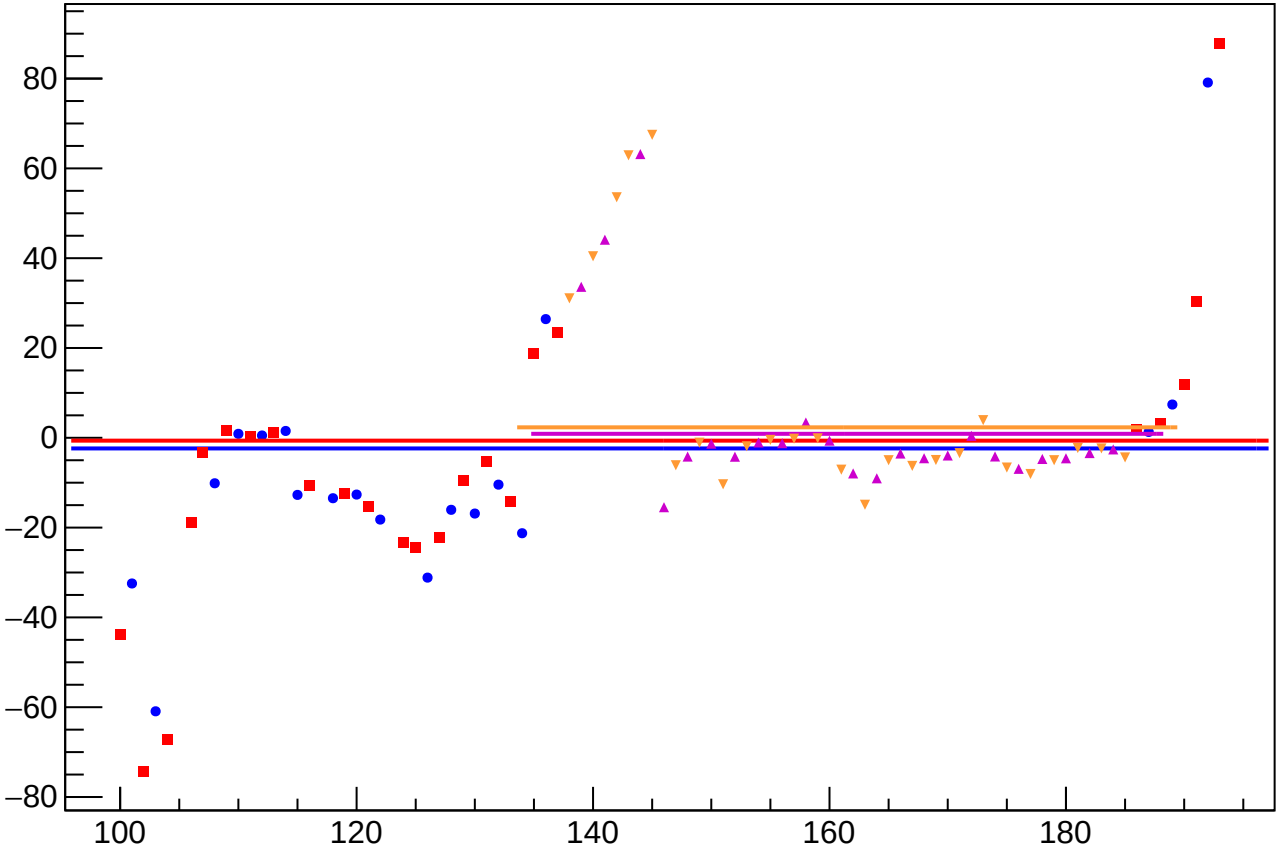
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.068+/-0.001 χ^2/NDF: 36353.0/43

All: -0.056+/-0.001 χ^2/NDF: 74009.3/90

- sign -0.046+/-0.001 χ^2/NDF: 37537.5/46

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: -0.635+/-0.042 χ^2/NDF: 111841.7/23

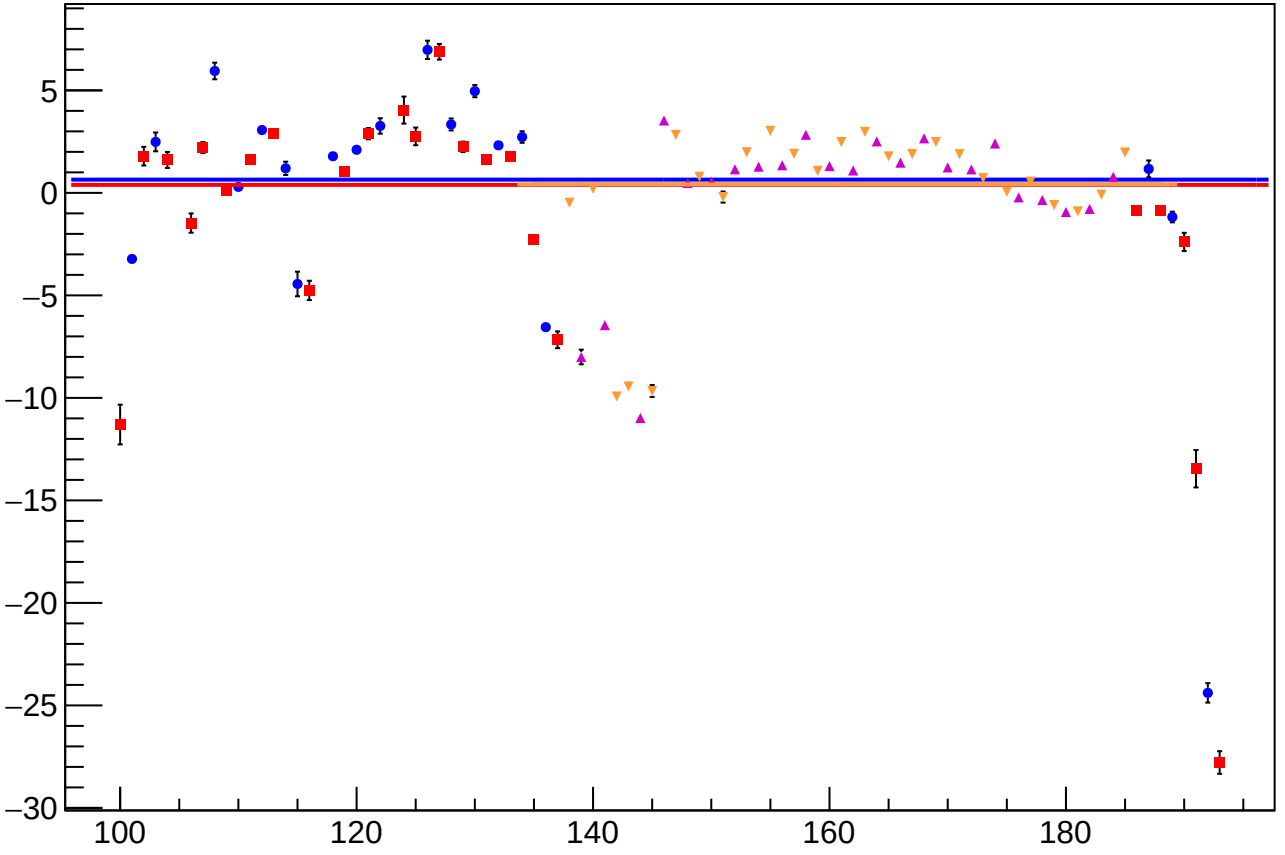
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 0.551+/-0.032 χ^2/NDF: 288135.2/43

All: 0.324+/-0.022 χ^2/NDF: 531166.8/90

- sign 0.140+/-0.029 χ^2/NDF: 242942.8/46

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: 0.391+/-0.052 χ^2/NDF: 4662.6/23

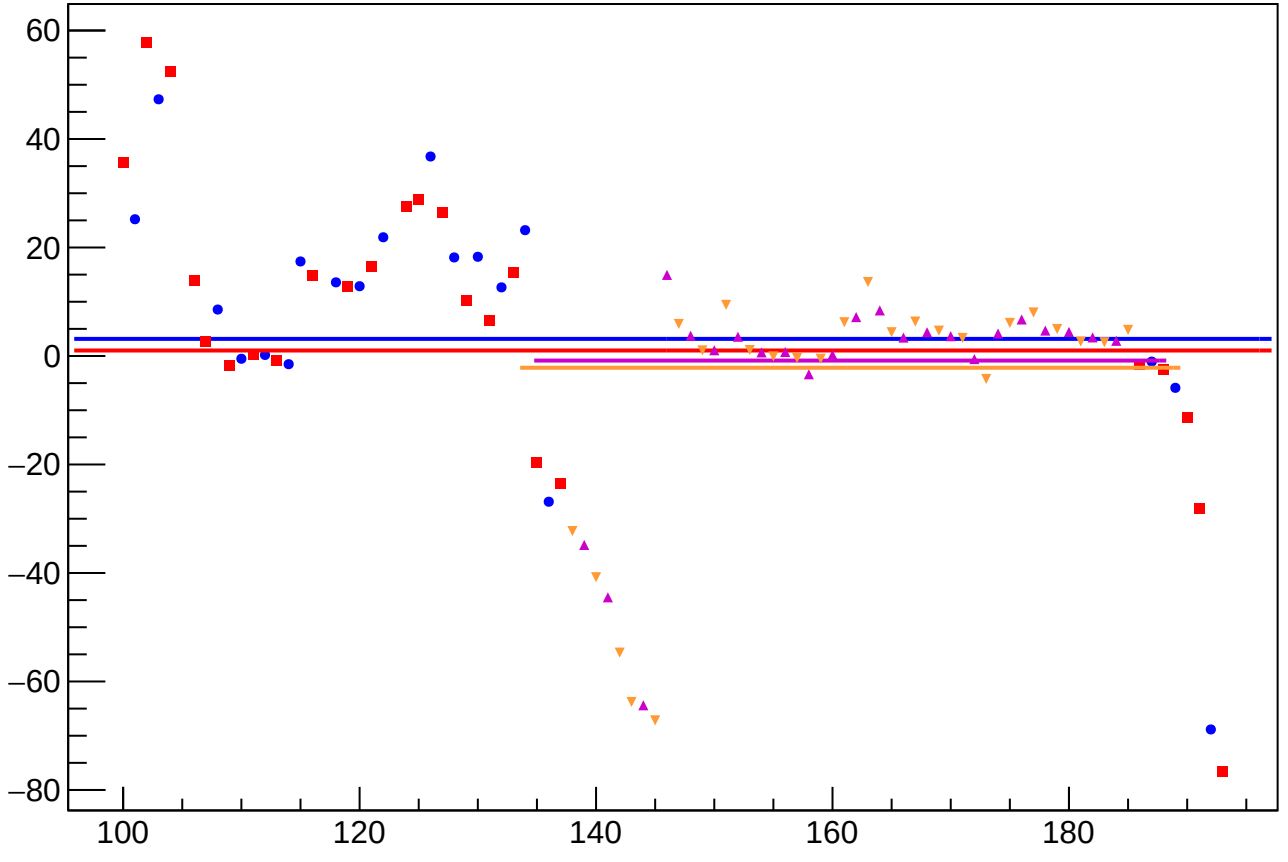
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.468+/-0.029 χ^2/NDF: 12514.2/43

All: 0.429+/-0.020 χ^2/NDF: 24112.0/90

- sign 0.395+/-0.027 χ^2/NDF: 11594.5/46

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: 1.013+/-0.046 χ^2/NDF: 110103.6/23

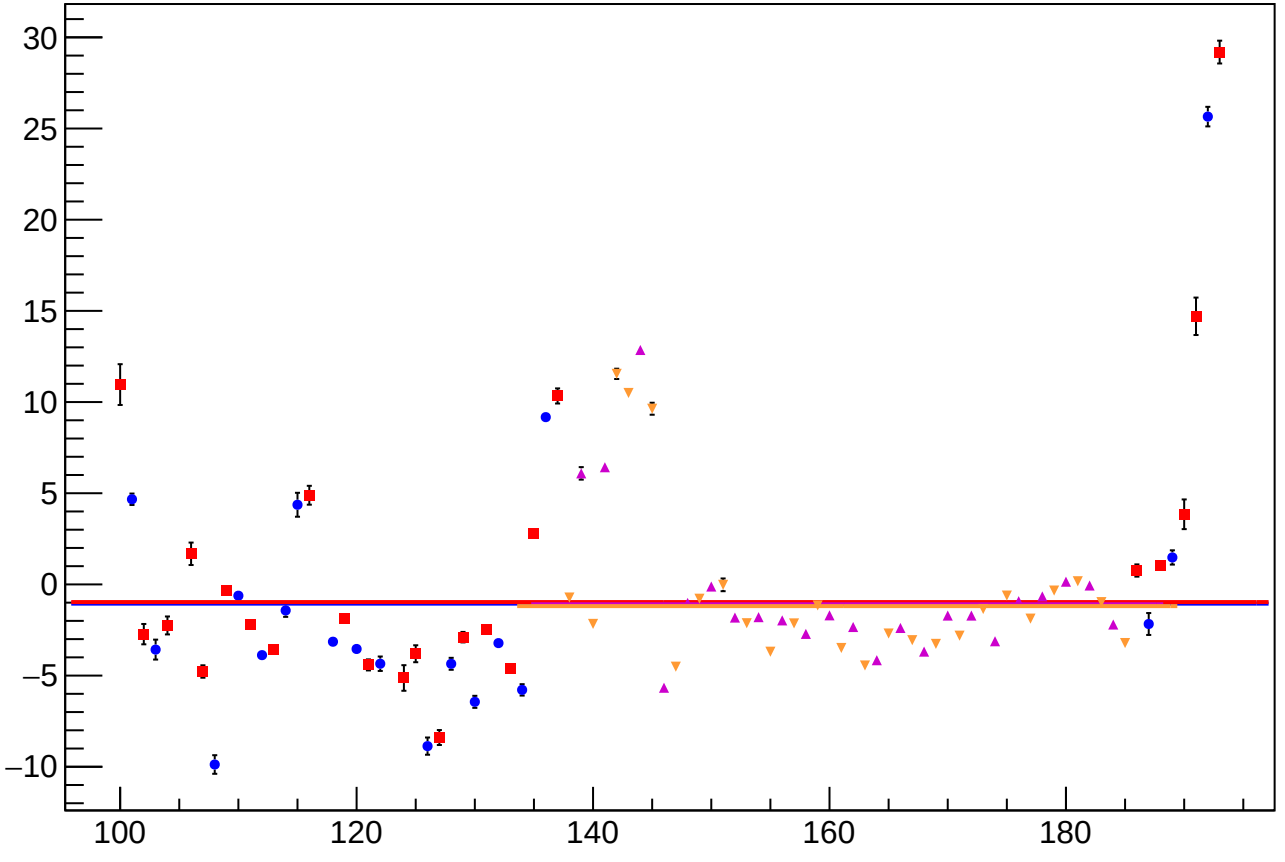
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -0.450+/-0.034 χ^2/NDF: 281441.1/43

All: -0.222+/-0.023 χ^2/NDF: 519683.3/90

- sign -0.040+/-0.030 χ^2/NDF: 238160.8/46

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: -0.968+/-0.062 χ^2/NDF: 5218.0/23

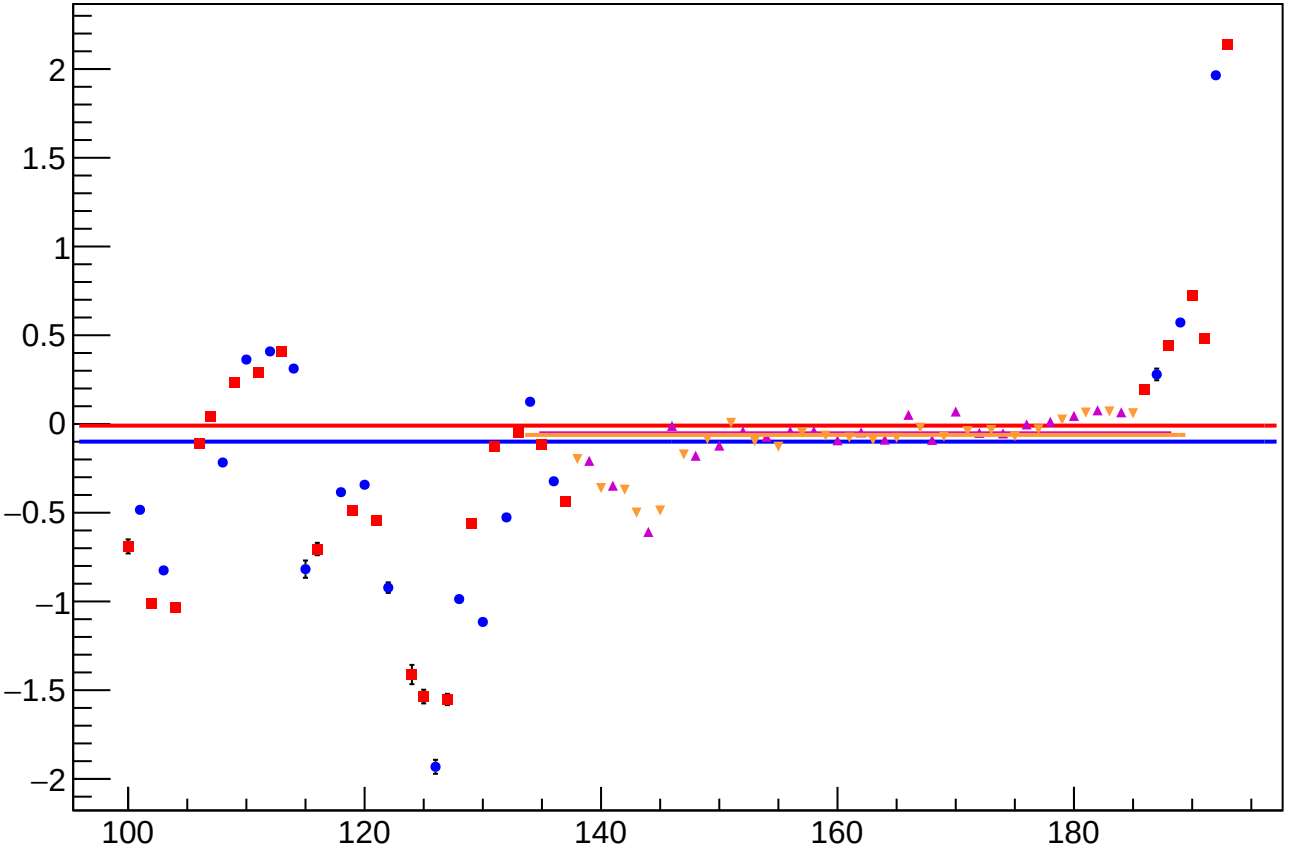
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.160+/-0.033 χ^2/NDF: 14050.3/43

All: -1.106+/-0.022 χ^2/NDF: 26117.0/90

- sign -1.059+/-0.031 χ^2/NDF: 12061.6/46

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

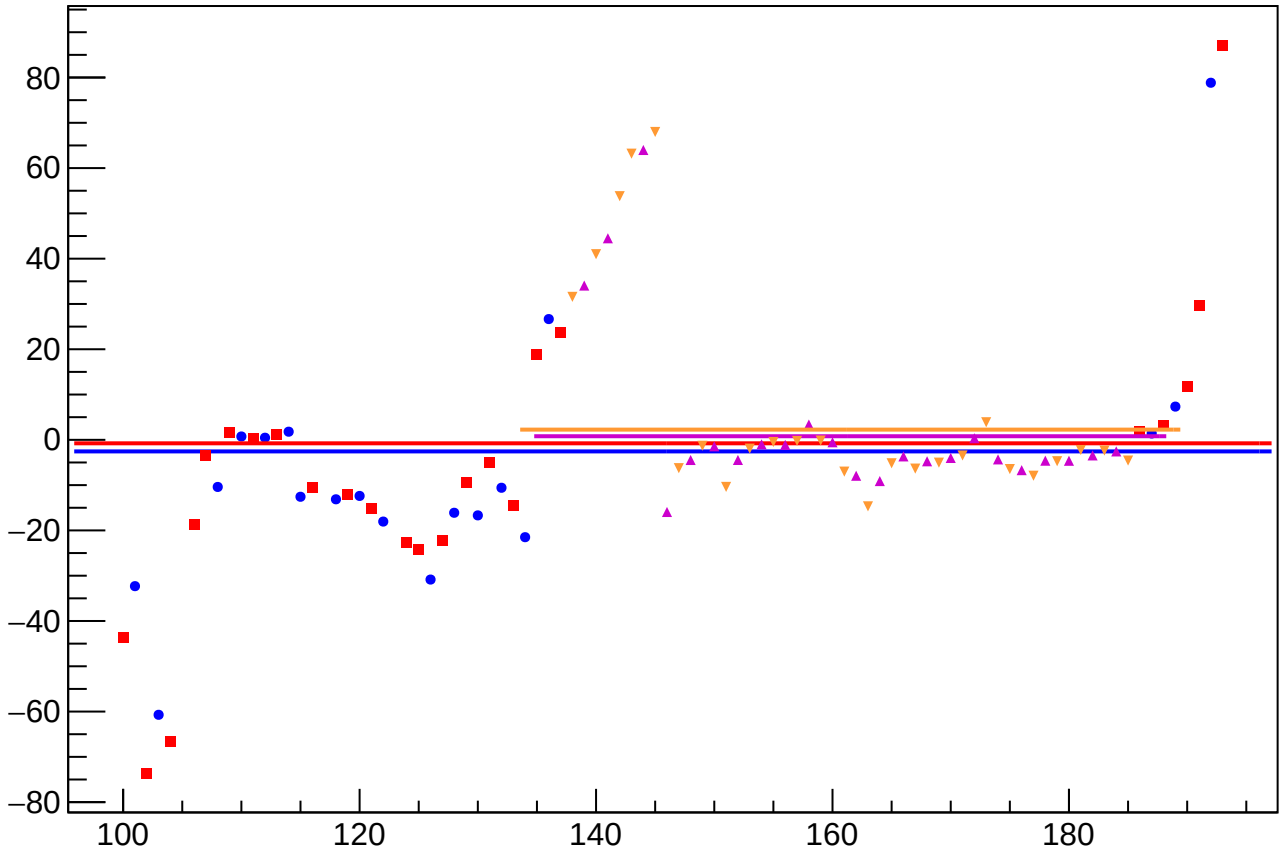
Right Out: -0.009+/-0.004 χ^2/NDF: 31895.9/23

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.067+/-0.001 χ^2/NDF: 35586.0/43

All: -0.056+/-0.001 χ^2/NDF: 72753.4/90

- sign -0.046+/-0.001 χ^2/NDF: 37061.0/46



Right In: -2.557+/-0.054 χ^2/NDF: 106693.7/18

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -0.769+/-0.043 χ^2/NDF: 109606.2/23

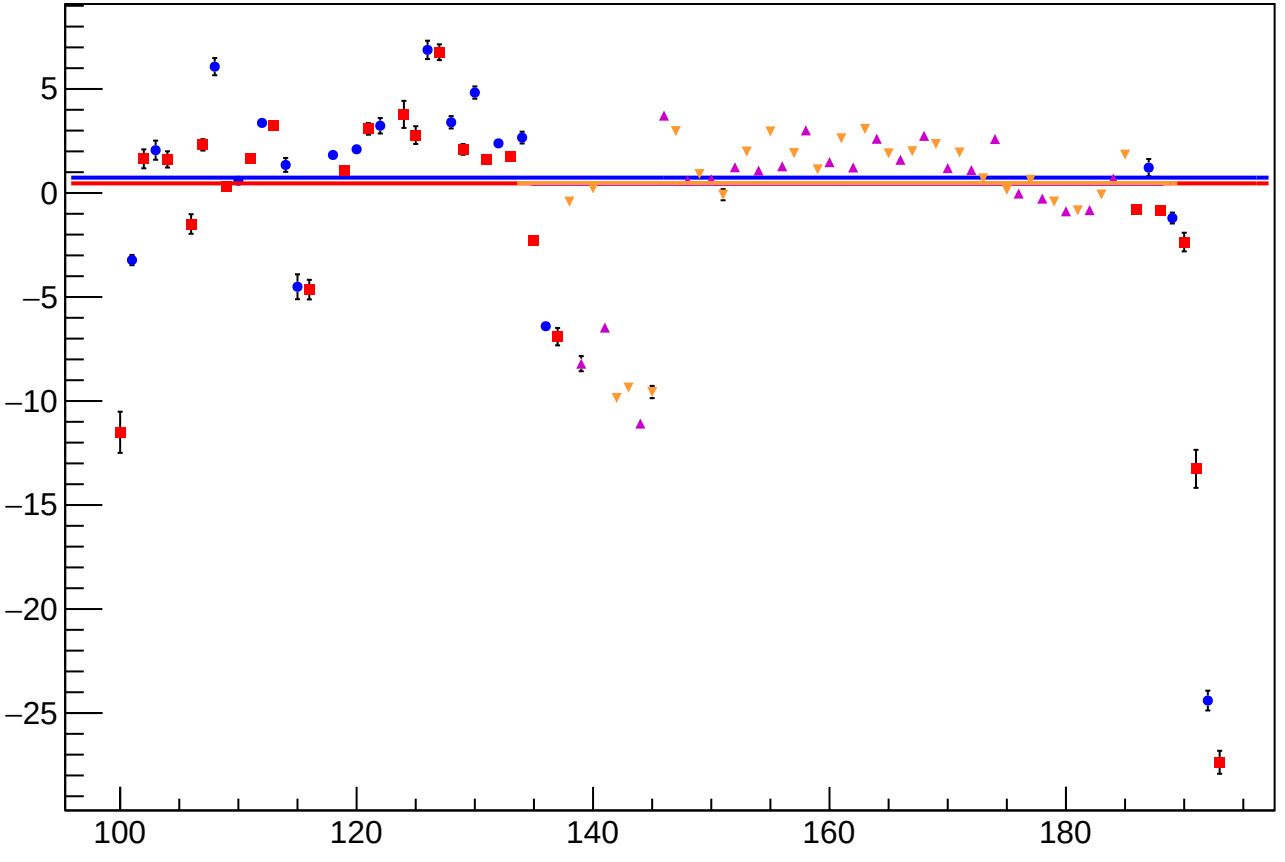
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 0.451+/-0.033 χ^2/NDF: 283406.1/43

All: 0.223+/-0.022 χ^2/NDF: 522625.7/90

- sign 0.037+/-0.030 χ^2/NDF: 239132.0/46

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: 0.462+/-0.053 χ^2/NDF: 4529.9/23

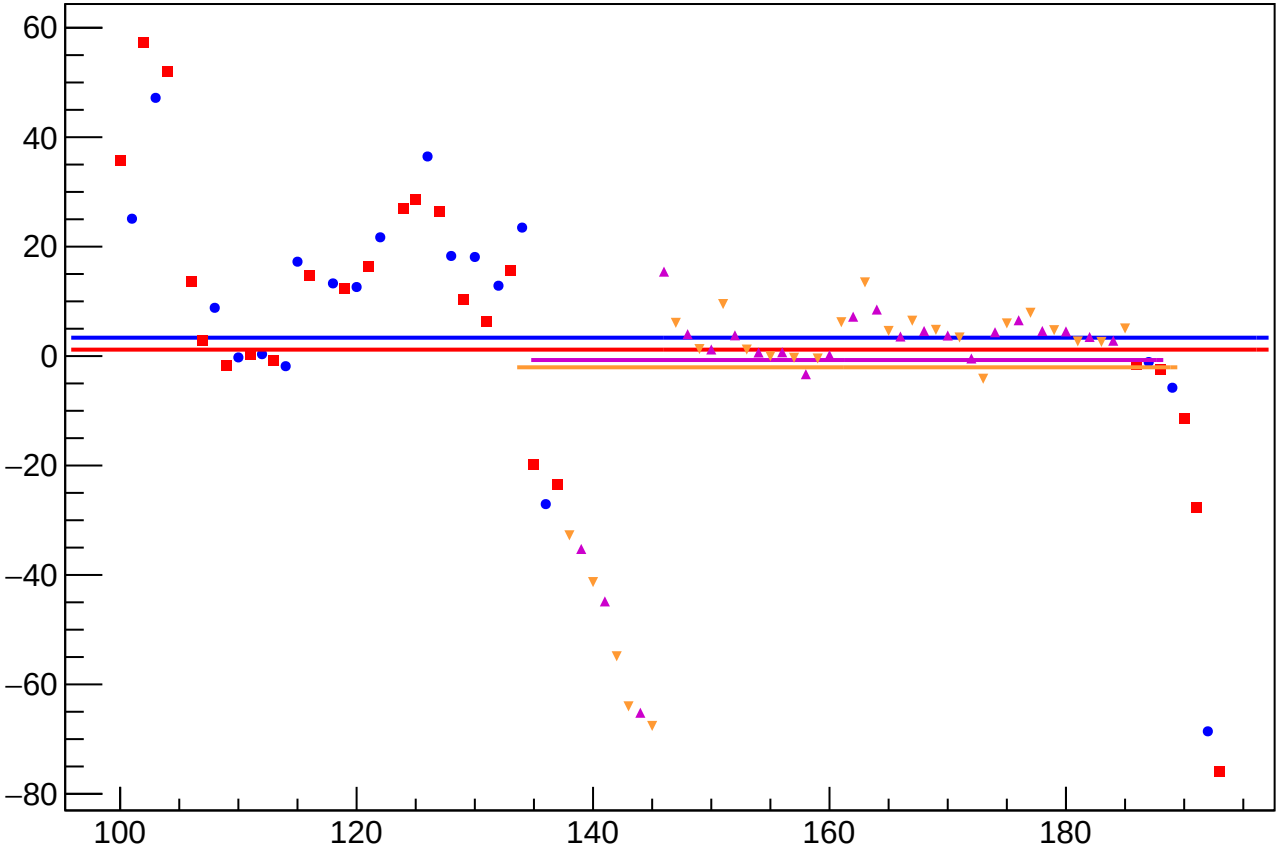
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

\+ sign 0.542+/-0.029 χ^2/NDF: 12175.4/43

All: 0.491+/-0.020 χ^2/NDF: 23604.9/90

\- sign 0.446+/-0.028 χ^2/NDF: 11423.8/46

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: 1.178+/-0.047 χ^2/NDF: 107872.7/23

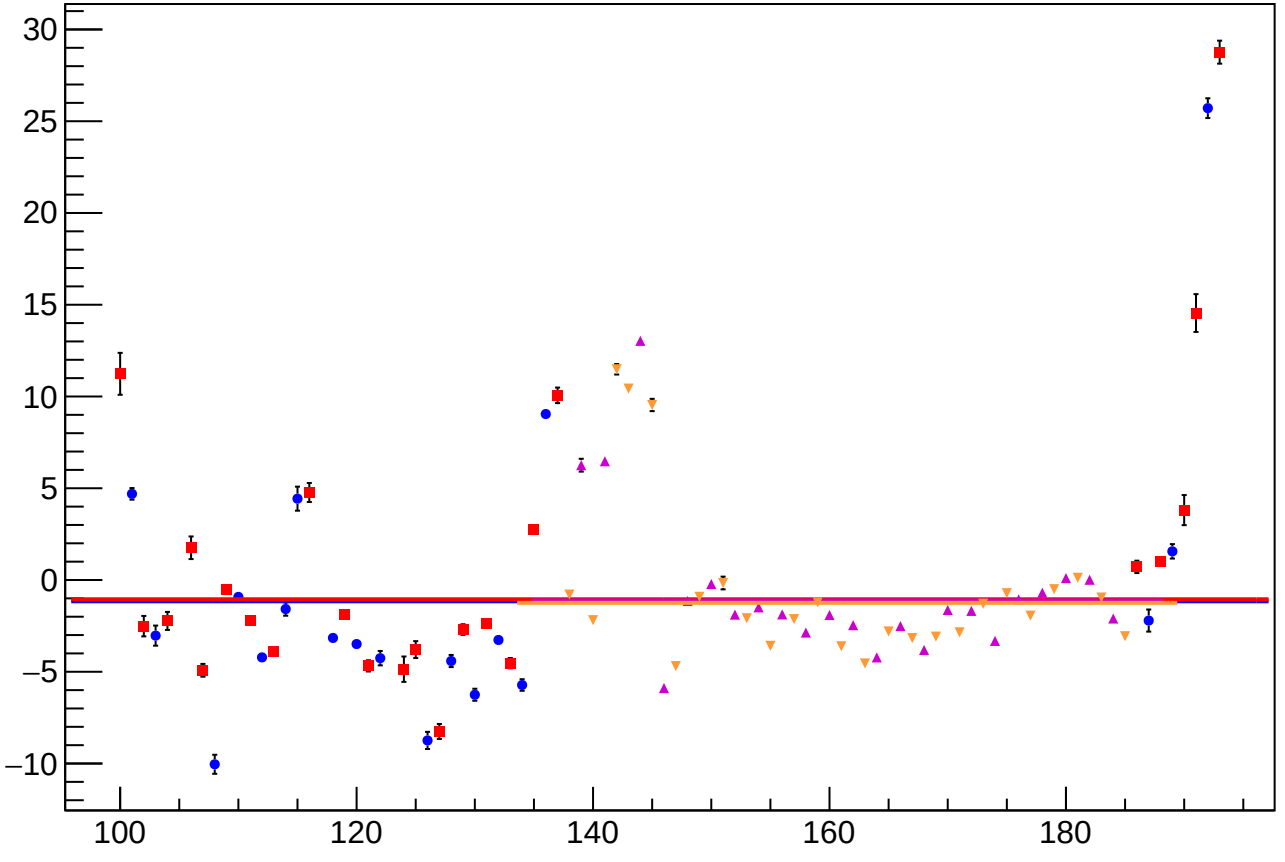
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -0.313+/-0.034 χ^2/NDF: 276666.5/43

All: -0.087+/-0.023 χ^2/NDF: 511088.0/90

- sign 0.094+/-0.031 χ^2/NDF: 234342.8/46

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: -1.050+/-0.063 χ^2/NDF: 5047.3/23

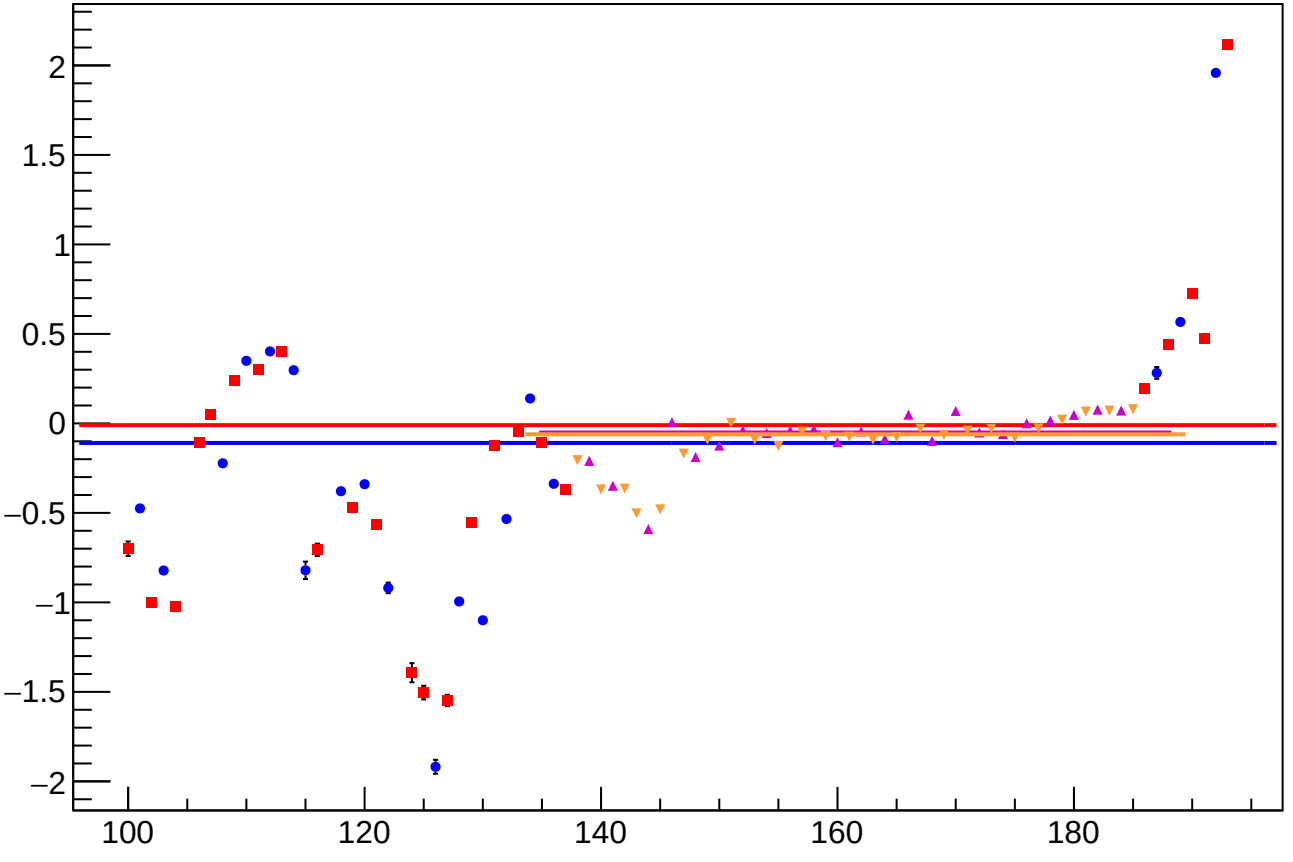
Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.225+/-0.033 χ^2/NDF: 13653.1/43

All: -1.159+/-0.023 χ^2/NDF: 25549.1/90

- sign -1.100+/-0.031 χ^2/NDF: 11888.4/46

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

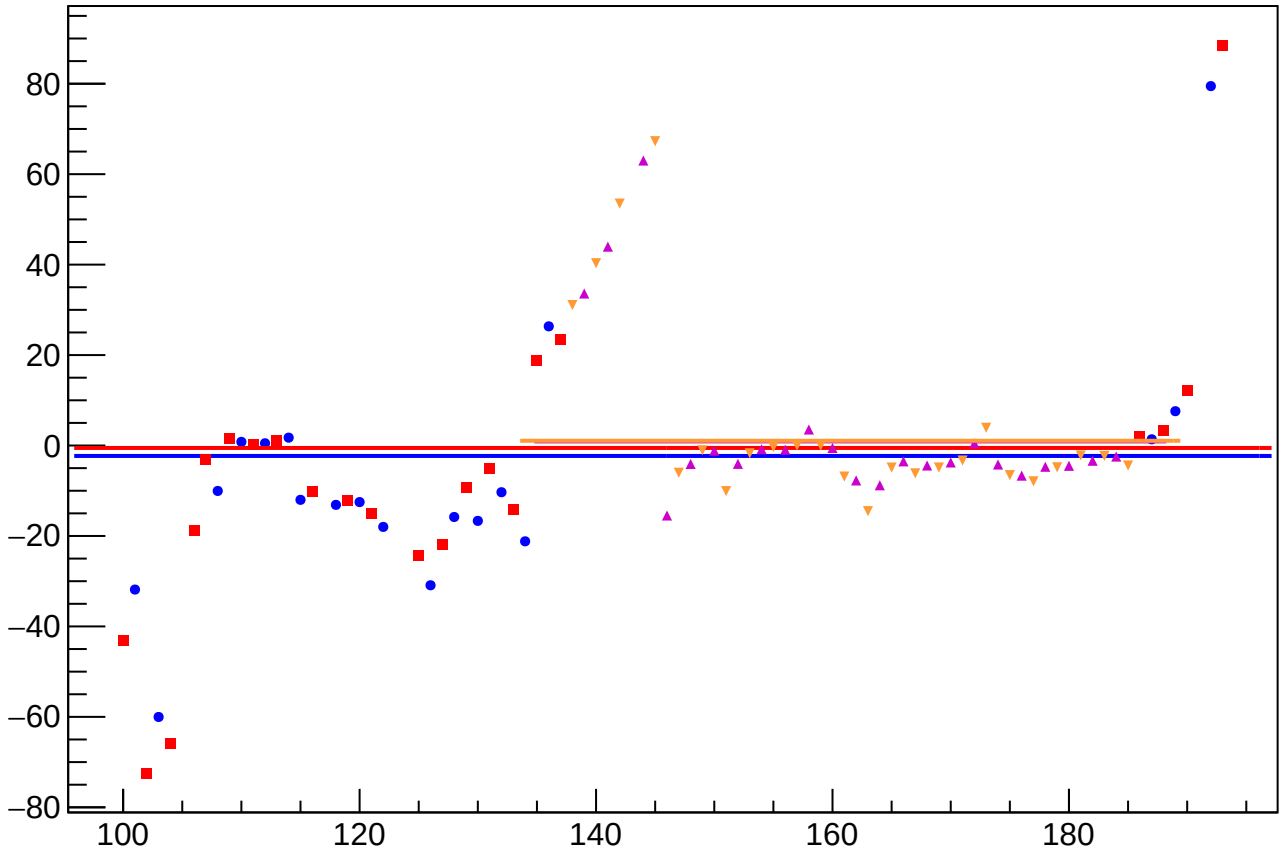
Right Out: -0.010+/-0.004 χ^2/NDF: 31031.8/23

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.068+/-0.002 χ^2/NDF: 34998.8/43

All: -0.055+/-0.001 χ^2/NDF: 71148.0/90

- sign -0.044+/-0.001 χ^2/NDF: 36021.1/46



Right In: -2.306+/-0.052 χ^2/NDF: 110301.2/18

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

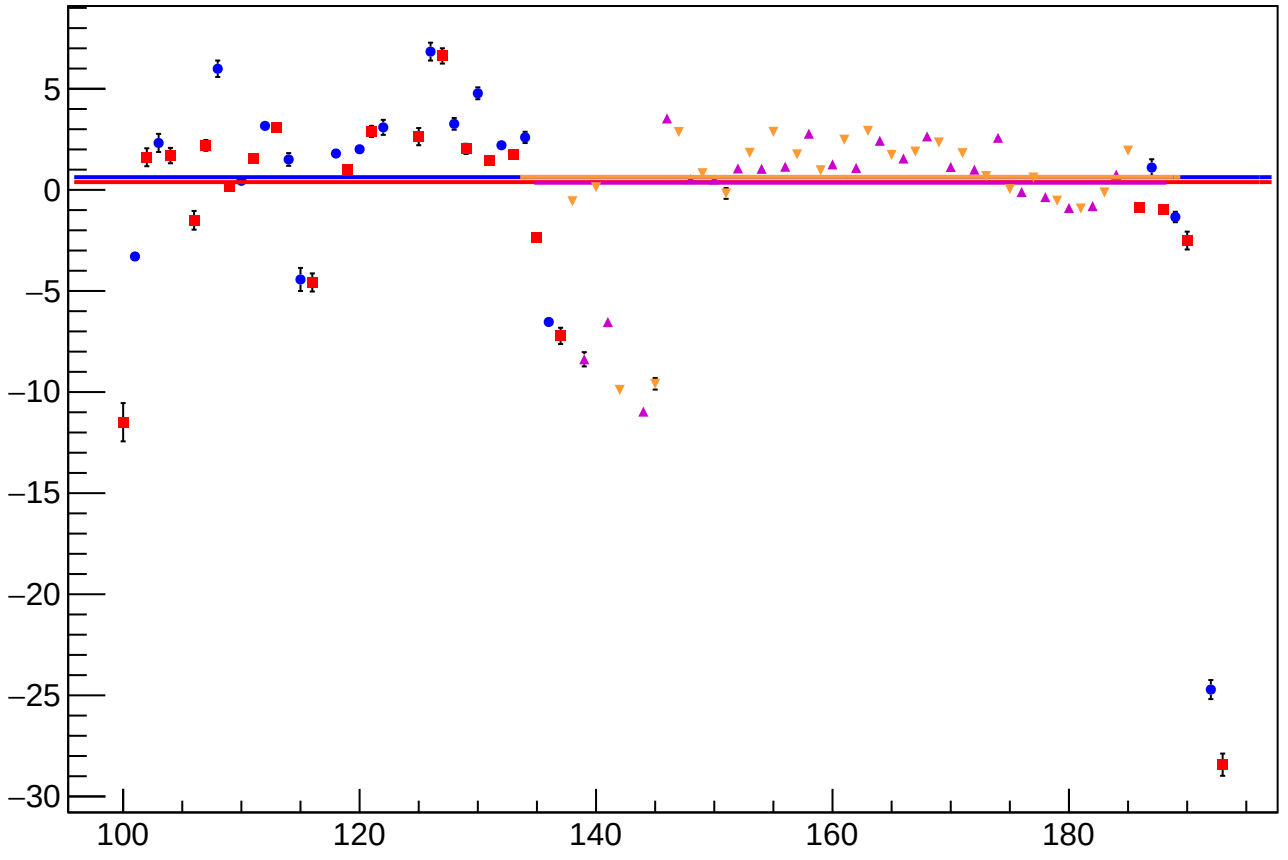
Right Out: -0.537+/-0.041 χ^2/NDF: 110686.9/21

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign -0.232+/-0.032 χ^2/NDF: 243954.9/42

All: 0.011+/-0.021 χ^2/NDF: 488201.0/87

- sign 0.204+/-0.028 χ^2/NDF: 244142.0/44



Right In: 0.627+/-0.058 χ^2/NDF: 5608.2/18

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

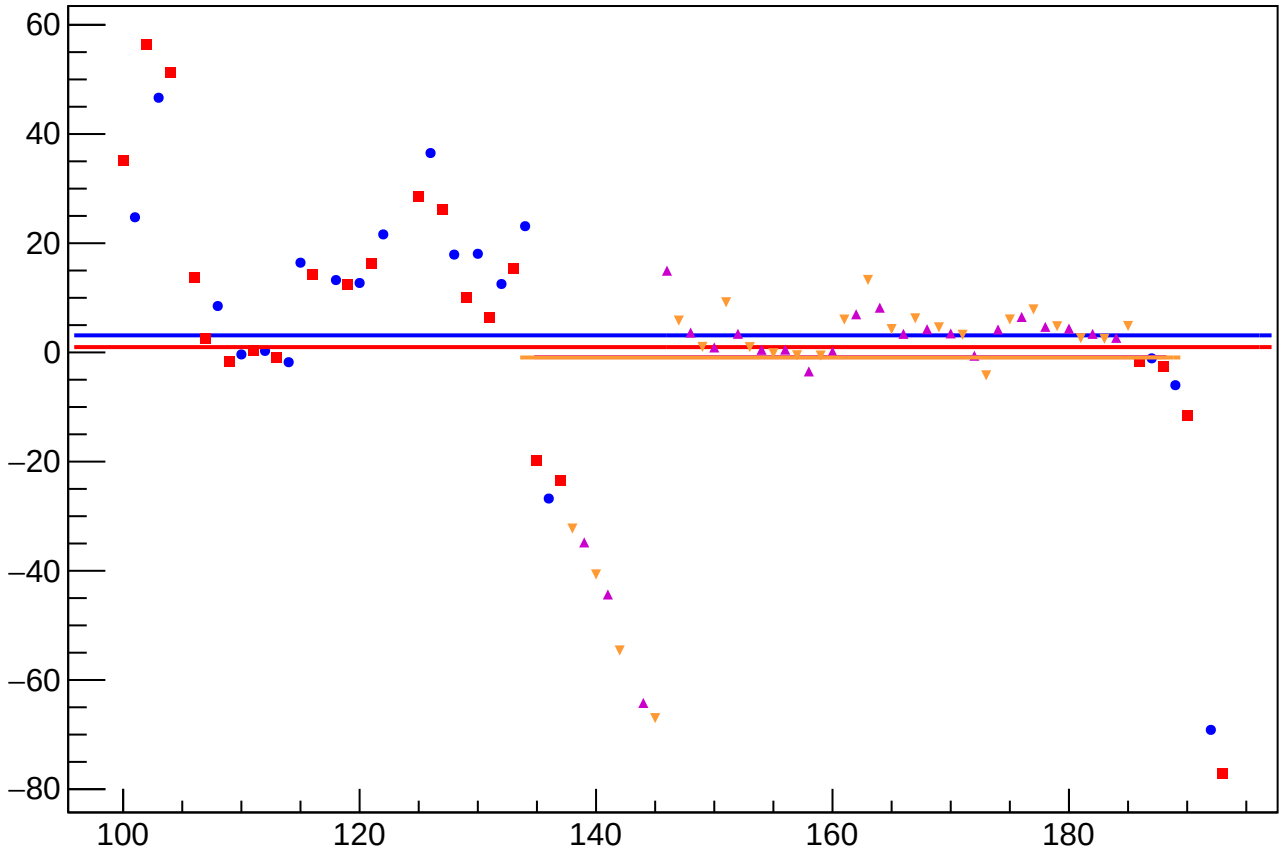
Right Out: 0.384+/-0.052 χ^2/NDF: 4618.1/21

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

\+ sign 0.640+/-0.029 χ^2/NDF: 10319.3/42

All: 0.491+/-0.020 χ^2/NDF: 22104.2/87

\- sign 0.363+/-0.027 χ^2/NDF: 11735.4/44



Right In: 3.125+/-0.058 χ^2/NDF: 108726.4/18

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

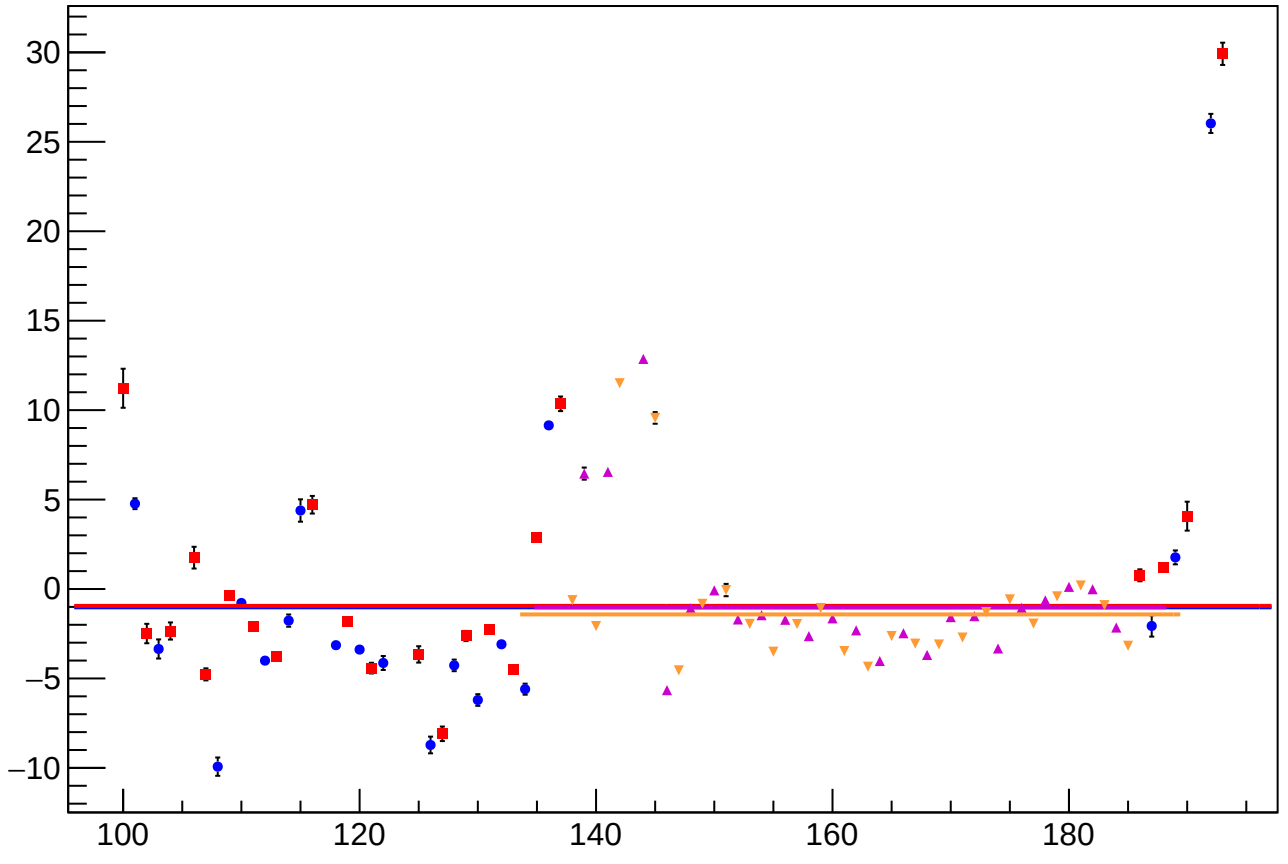
Right Out: 0.974+/-0.045 χ^2/NDF: 108971.0/21

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign 0.388+/-0.033 χ^2/NDF: 238354.2/42

All: 0.129+/-0.022 χ^2/NDF: 477853.1/87

- sign -0.076+/-0.030 χ^2/NDF: 239390.6/44



Right In: -1.022+/-0.067 χ^2/NDF: 7223.2/18

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

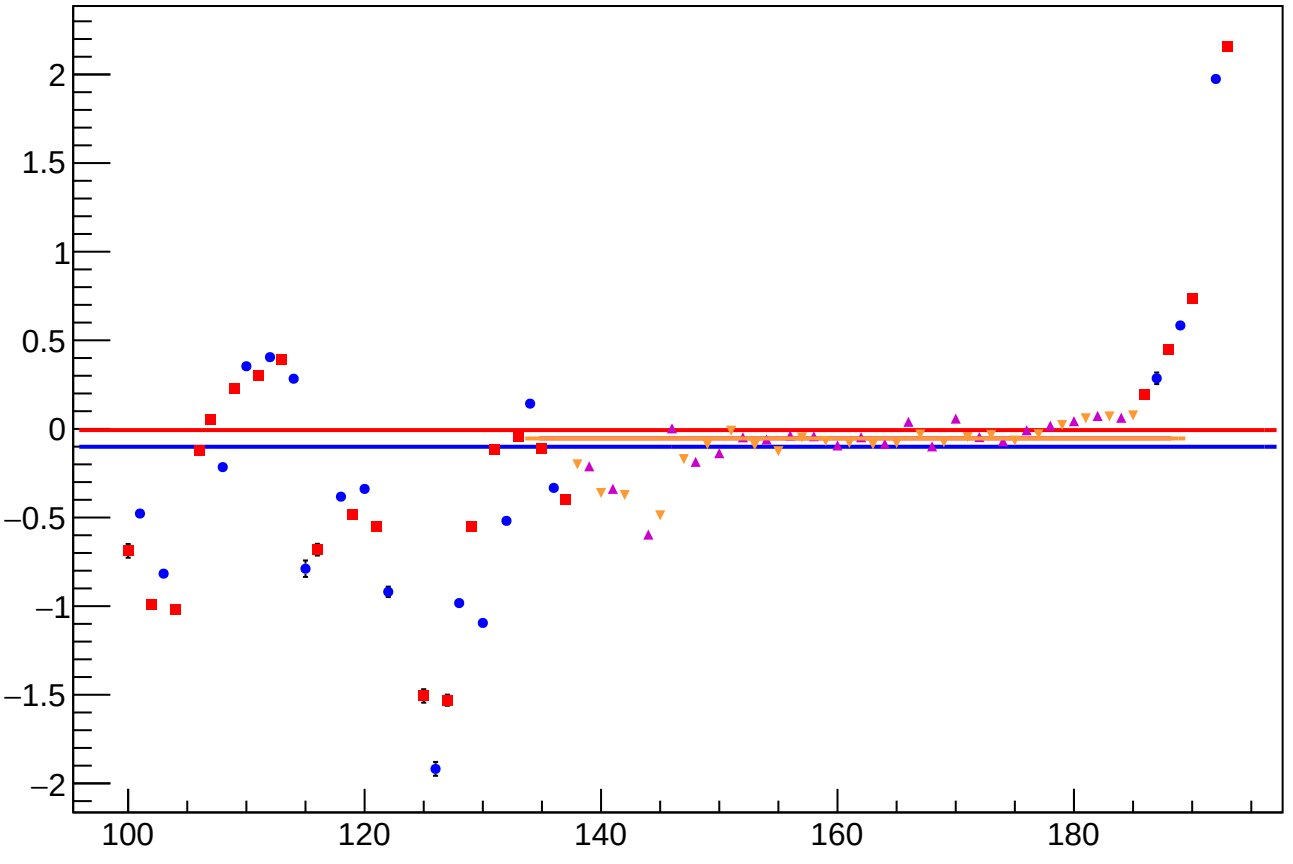
Right Out: -0.943+/-0.061 χ^2/NDF: 5169.6/21

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.329+/-0.032 χ^2/NDF: 11892.3/42

All: -1.157+/-0.022 χ^2/NDF: 24164.2/87

- sign -1.005+/-0.030 χ^2/NDF: 12218.1/44



Right In: -0.101+/-0.004 χ^2/NDF: 30581.8/18

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

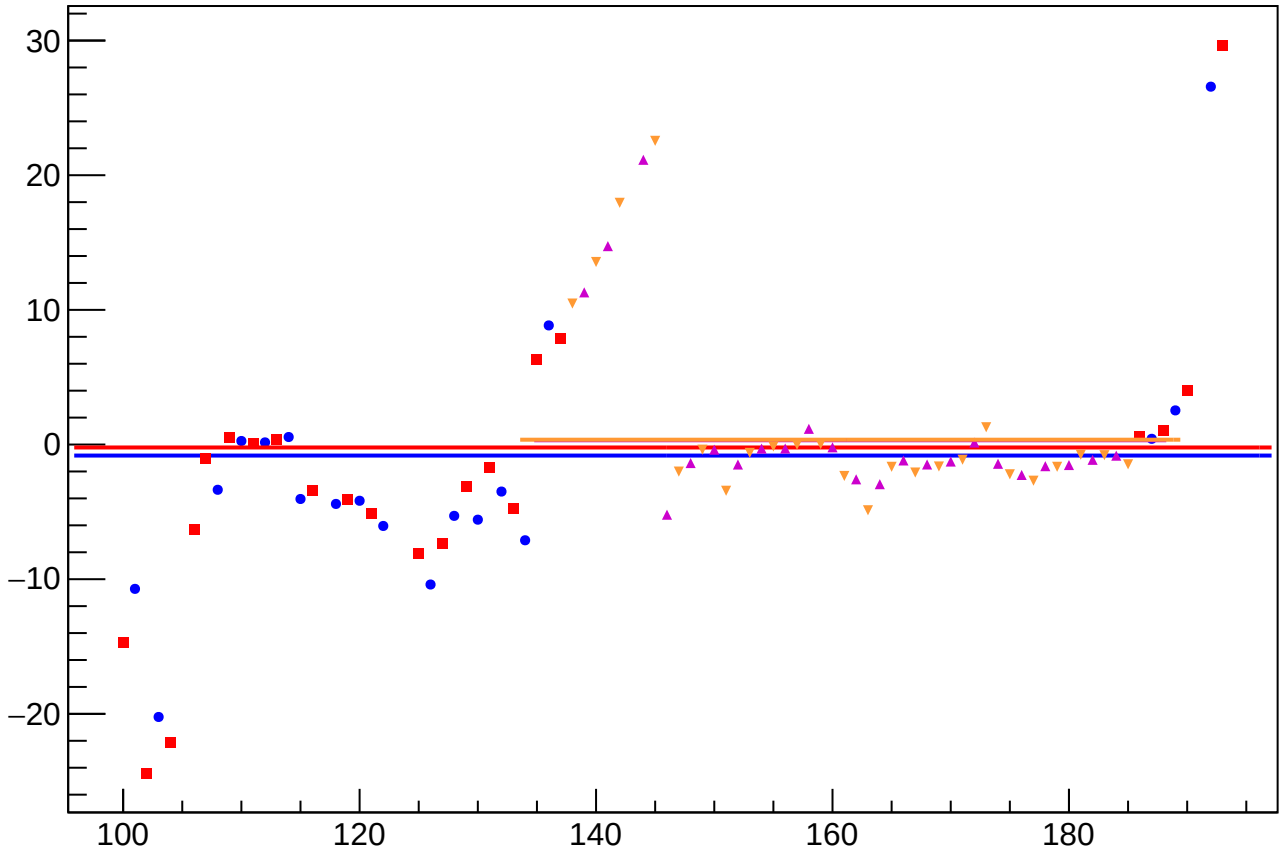
Right Out: -0.007+/-0.003 χ^2/NDF: 31454.7/21

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.060+/-0.001 χ^2/NDF: 35046.4/42

All: -0.053+/-0.001 χ^2/NDF: 71714.4/87

- sign -0.046+/-0.001 χ^2/NDF: 36615.8/44



Right In: -0.819+/-0.018 χ^2/NDF: 108412.9/18

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

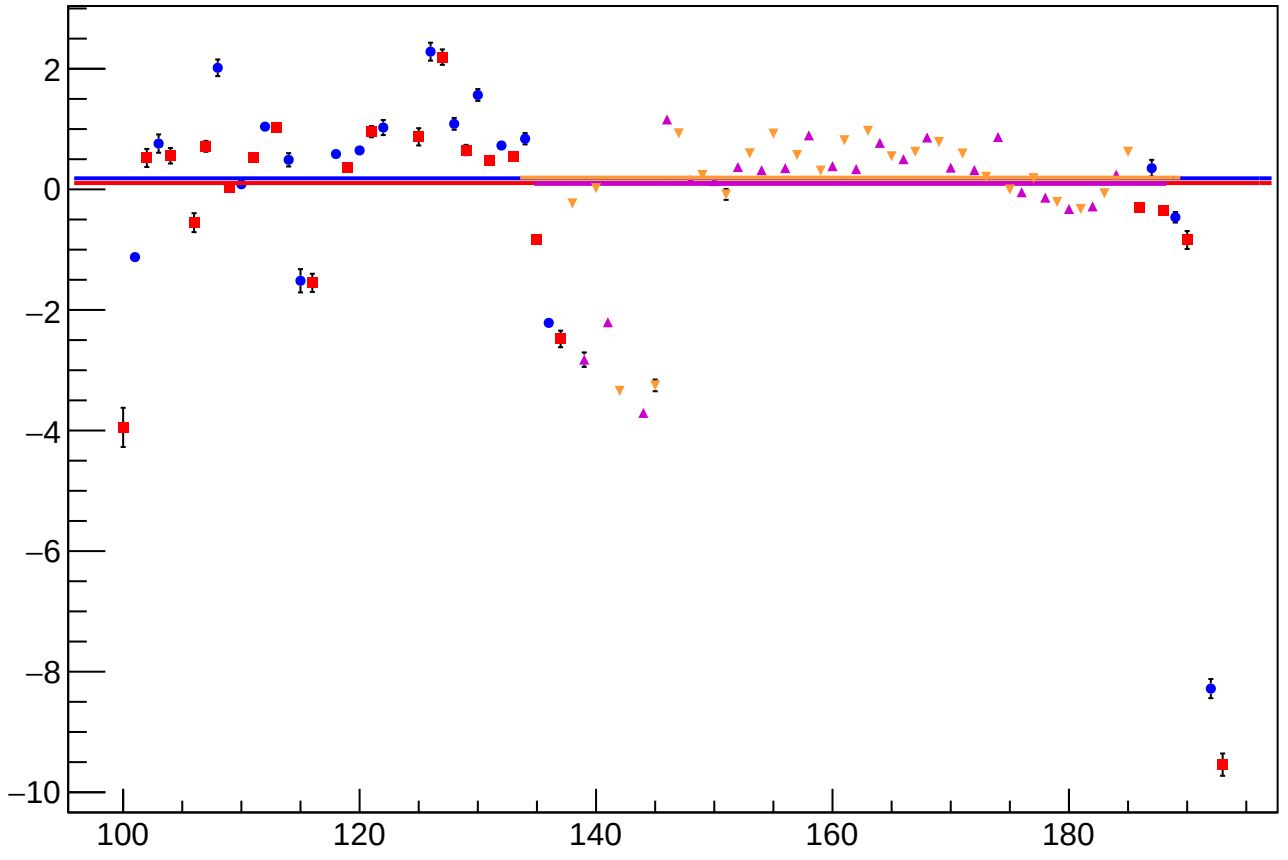
Right Out: -0.218+/-0.014 χ^2/NDF: 108943.3/21

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign -0.089+/-0.011 χ^2/NDF: 239985.1/42

All: -0.008+/-0.007 χ^2/NDF: 480000.0/87

- sign 0.058+/-0.010 χ^2/NDF: 239914.6/44



Right In: 0.183+/-0.020 χ^2/NDF: 5510.9/18

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

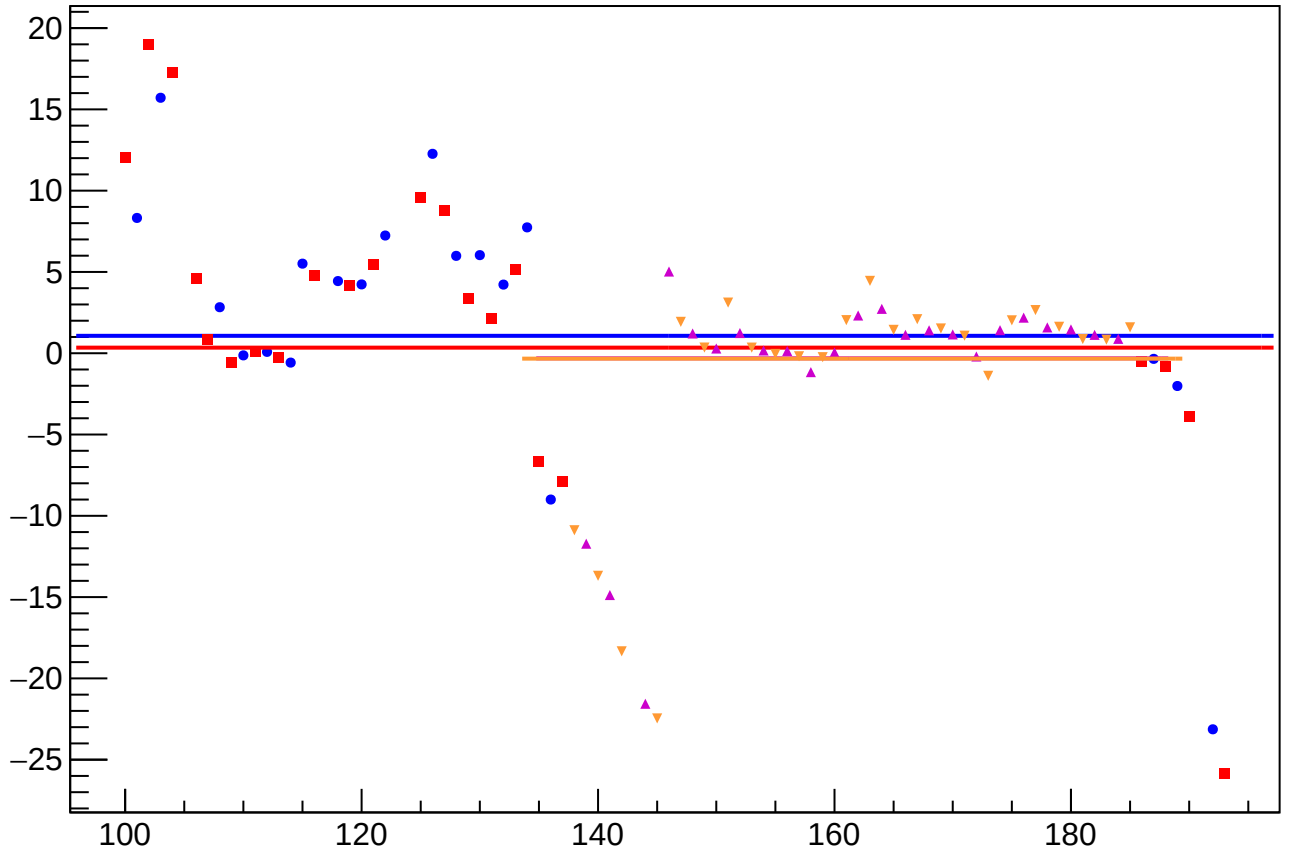
Right Out: 0.105+/-0.018 χ^2/NDF: 4546.1/21

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.192+/-0.010 χ^2/NDF: 10156.2/42

All: 0.140+/-0.007 χ^2/NDF: 21691.0/87

- sign 0.095+/-0.009 χ^2/NDF: 11483.0/44



Right In: 1.071+/-0.020 χ^2/NDF: 106908.1/18

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

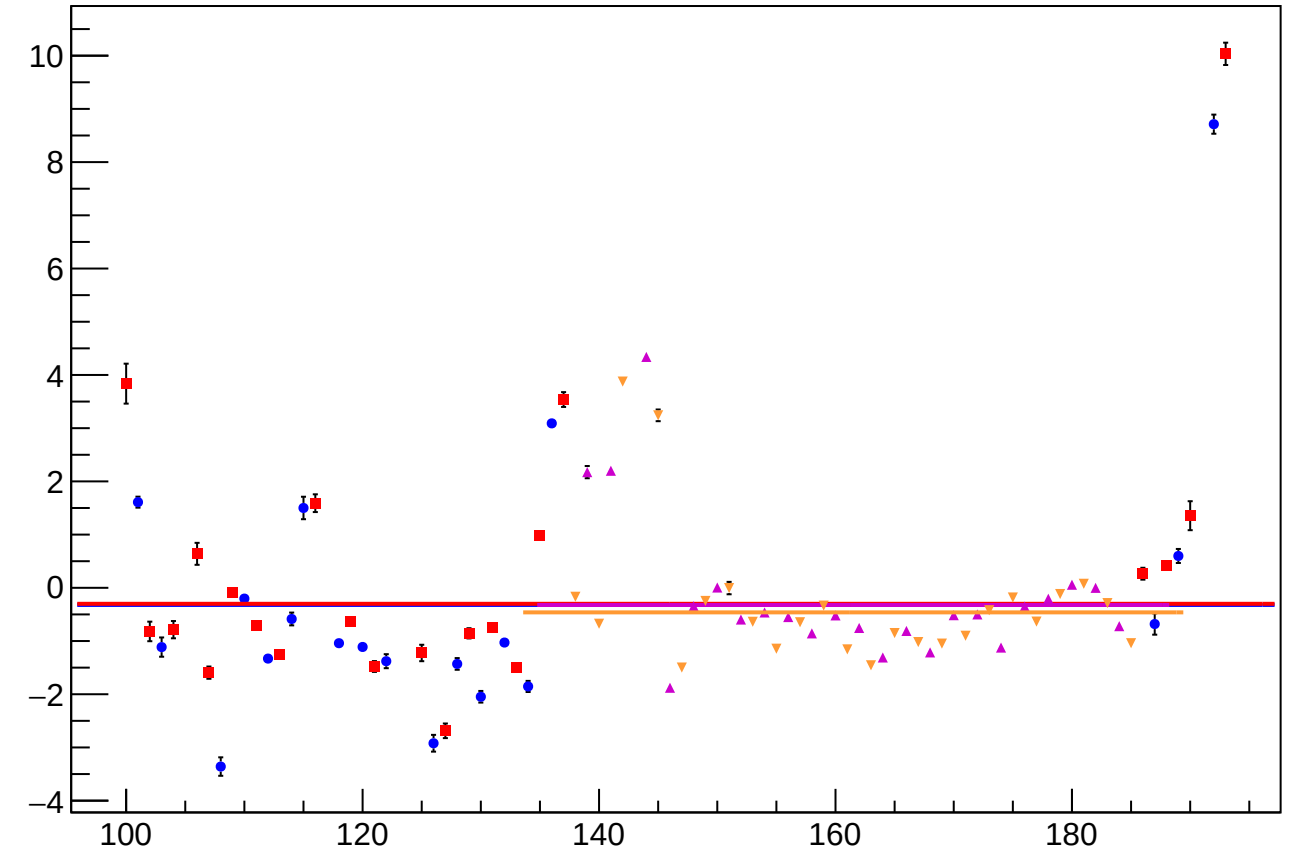
Right Out: 0.344+/-0.016 χ^2/NDF: 107294.9/21

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign 0.124+/-0.011 χ^2/NDF: 234477.8/42

All: 0.037+/-0.008 χ^2/NDF: 469901.7/87

- sign -0.032+/-0.010 χ^2/NDF: 235319.5/44



Right In: -0.322+/-0.023 χ^2/NDF: 7088.1/18

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

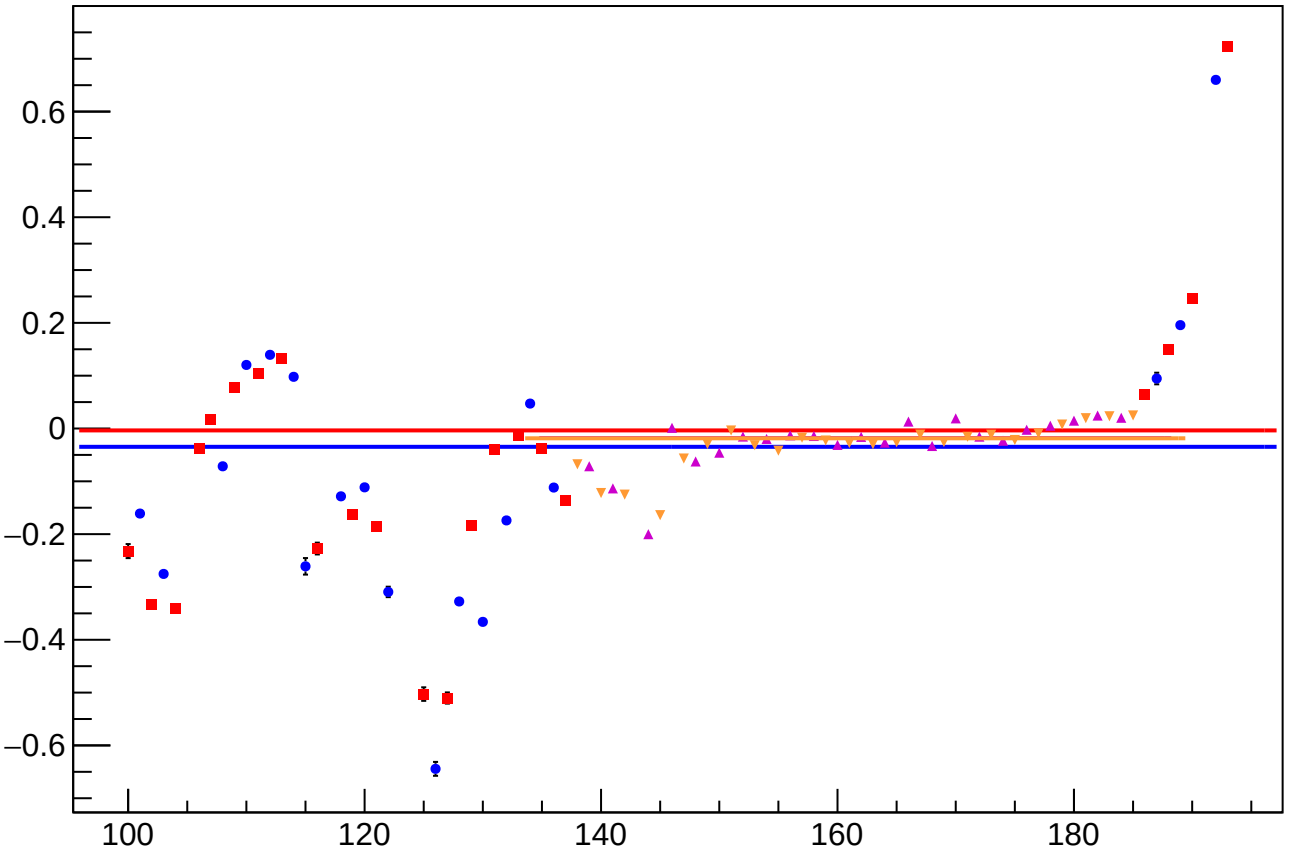
Right Out: -0.301+/-0.021 χ^2/NDF: 5090.5/21

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.430+/-0.011 χ^2/NDF: 11696.7/42

All: -0.370+/-0.008 χ^2/NDF: 23724.9/87

- sign -0.318+/-0.010 χ^2/NDF: 11973.2/44



Right In: -0.035+/-0.001 χ^2/NDF: 30090.2/18

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

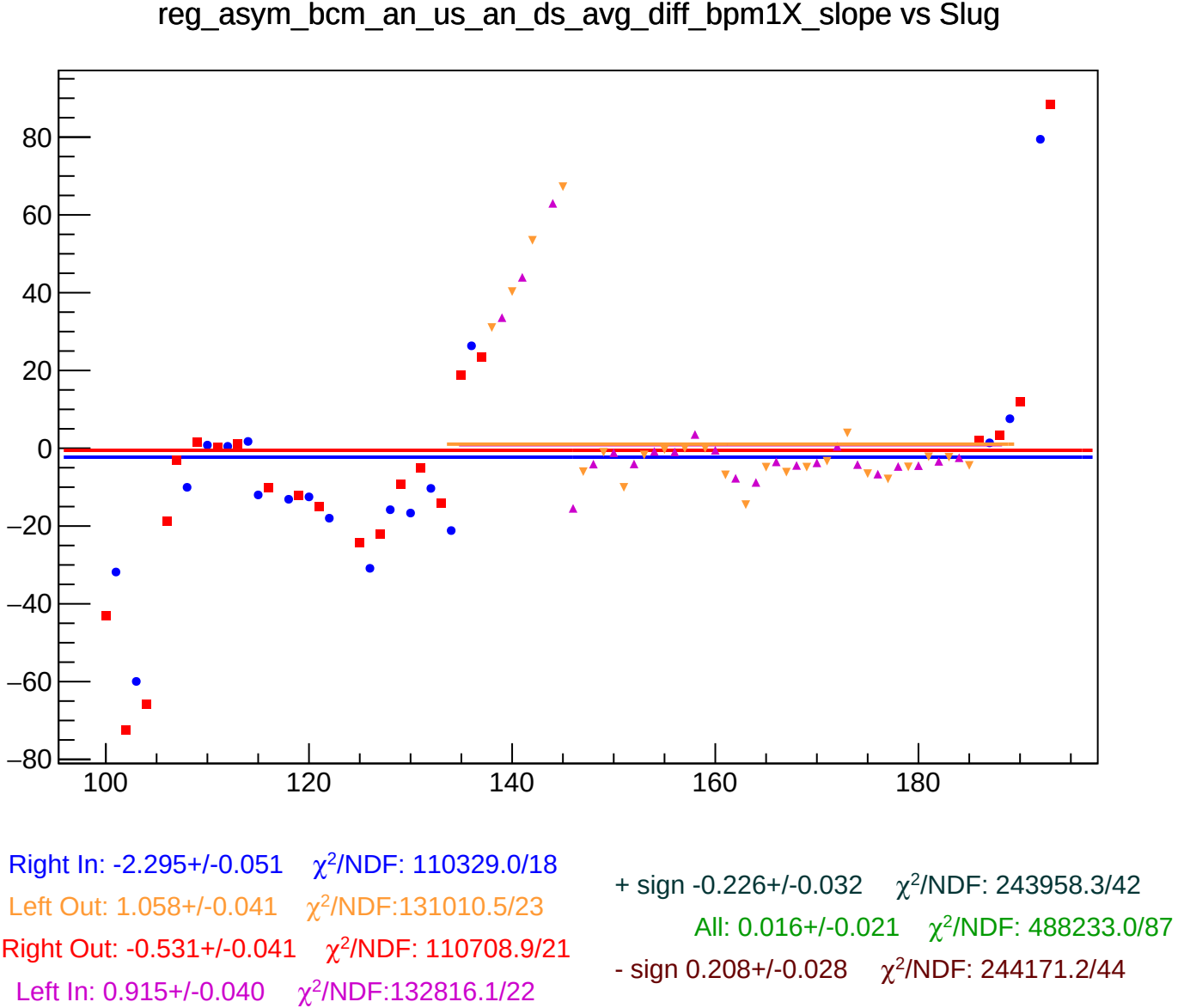
Right Out: -0.004+/-0.001 χ^2/NDF: 30865.0/21

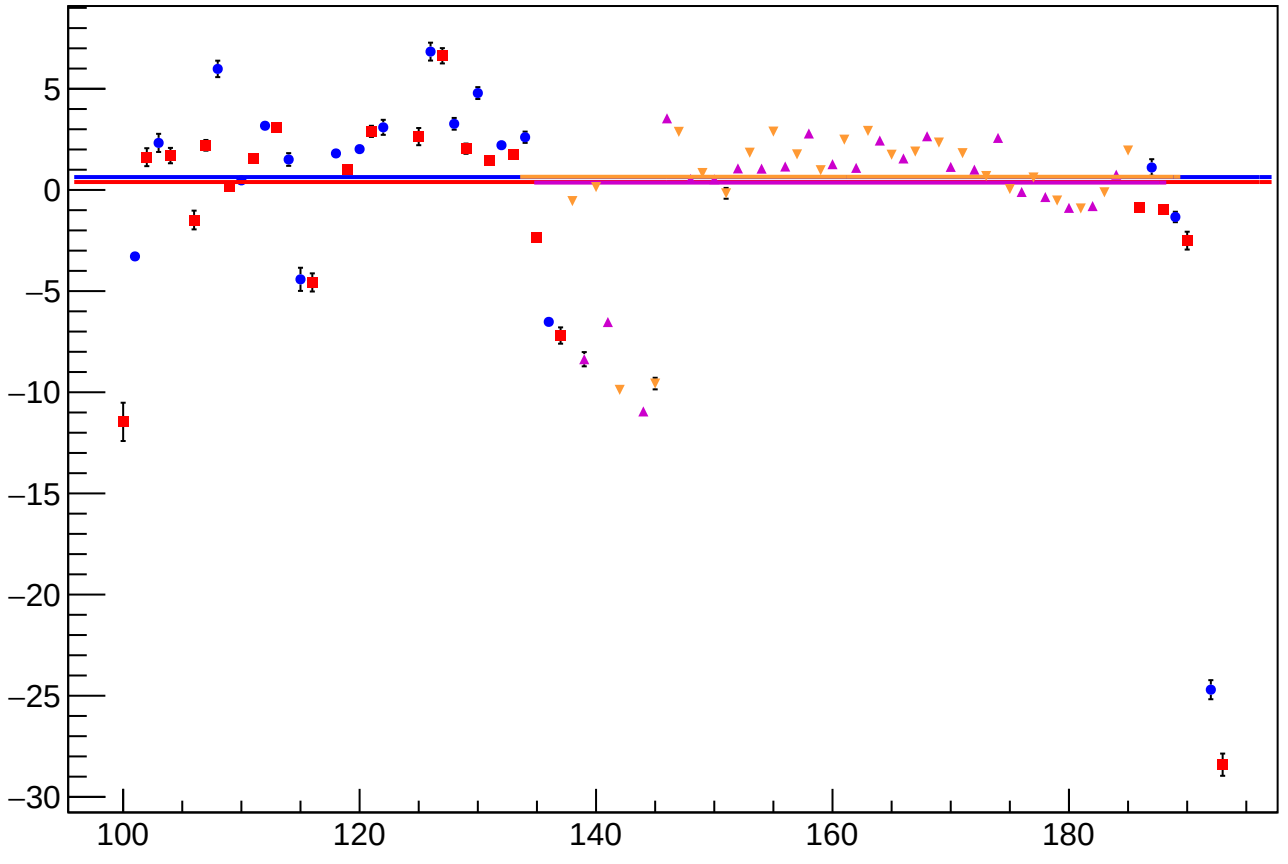
Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.021+/-0.001 χ^2/NDF: 34444.3/42

All: -0.018+/-0.000 χ^2/NDF: 70365.8/87

- sign -0.016+/-0.000 χ^2/NDF: 35867.0/44


reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug
80
60
40
20
0
−20
−40
−60
−80
100
120
140
160
180
Right In: -2.295+/-0.051 χ²/NDF: 110329.0/18
Left Out: 1.058+/-0.041 χ²/NDF:131010.5/23
Right Out: -0.531+/-0.041 χ²/NDF: 110708.9/21
Left In: 0.915+/-0.040 χ²/NDF:132816.1/22
+ sign -0.226+/-0.032 χ²/NDF: 243958.3/42
All: 0.016+/-0.021 χ²/NDF: 488233.0/87
- sign 0.208+/-0.028 χ²/NDF: 244171.2/44



Right In: 0.636+/-0.058 χ^2/NDF: 5610.0/18

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

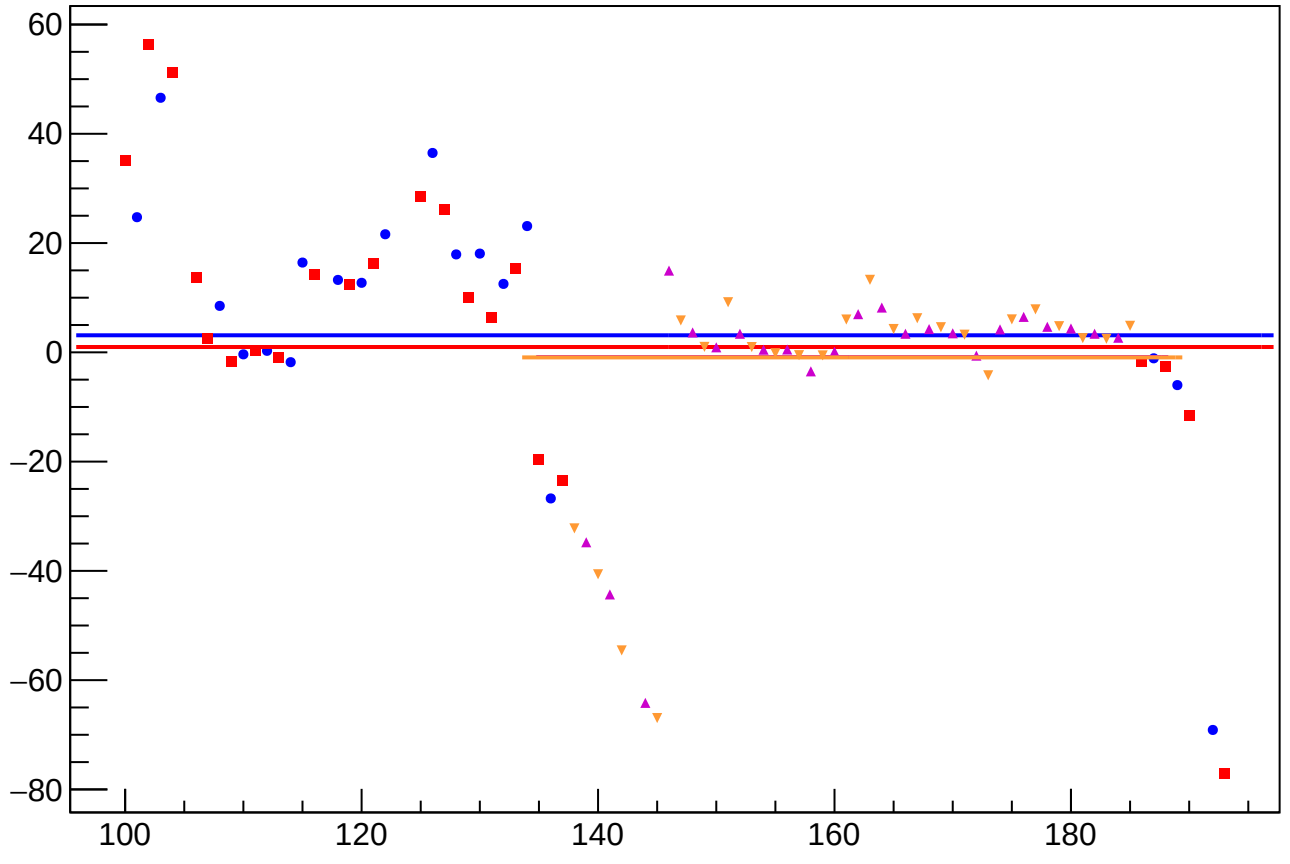
Right Out: 0.391+/-0.052 χ^2/NDF: 4617.9/21

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

\+ sign 0.648+/-0.029 χ^2/NDF: 10318.9/42

All: 0.500+/-0.020 χ^2/NDF: 22108.8/87

\- sign 0.372+/-0.027 χ^2/NDF: 11740.5/44



Right In: 3.120+/-0.058 χ^2/NDF: 108750.2/18

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

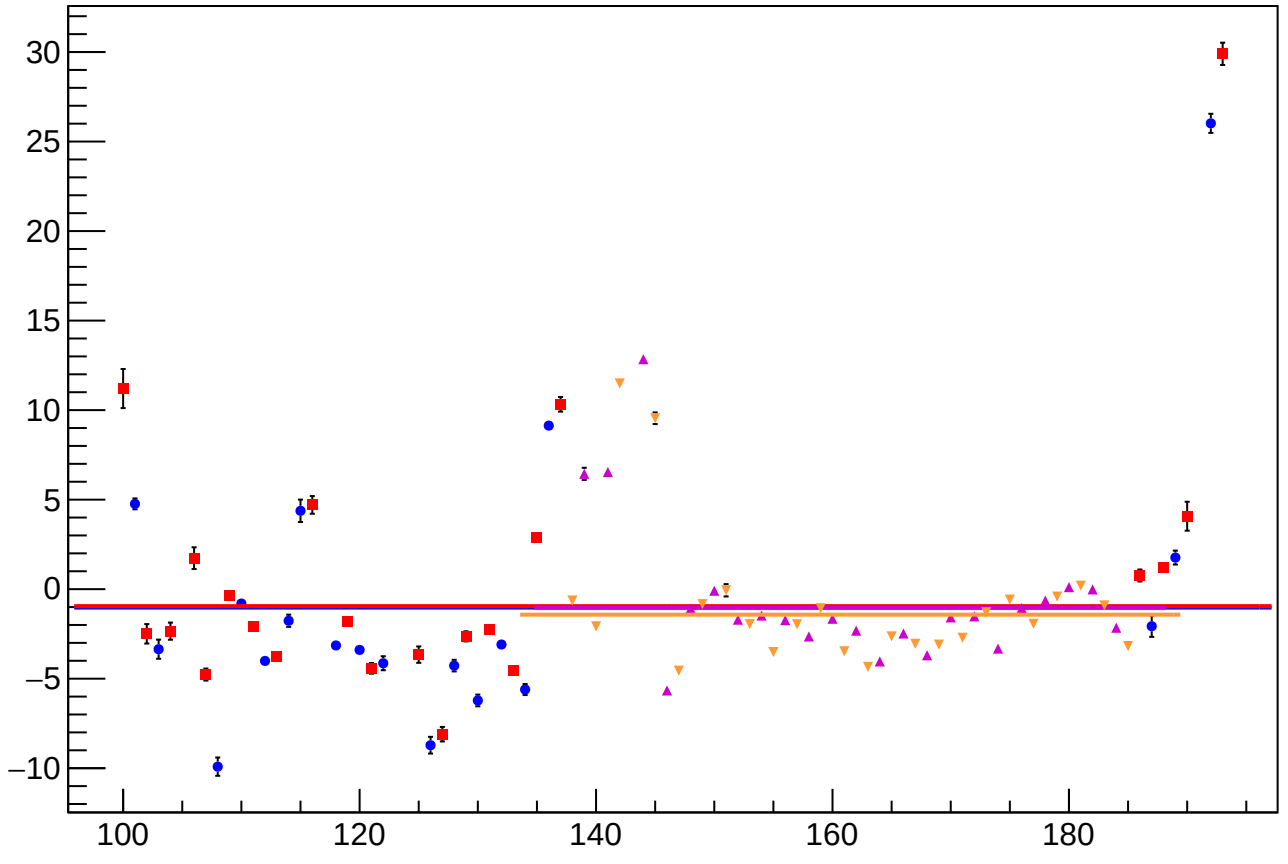
Right Out: 0.974+/-0.045 χ^2/NDF: 108987.9/21

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign 0.388+/-0.033 χ^2/NDF: 238355.4/42

All: 0.130+/-0.022 χ^2/NDF: 477875.0/87

- sign -0.075+/-0.030 χ^2/NDF: 239411.8/44



Right In: -1.029+/-0.067 χ^2/NDF: 7224.7/18

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

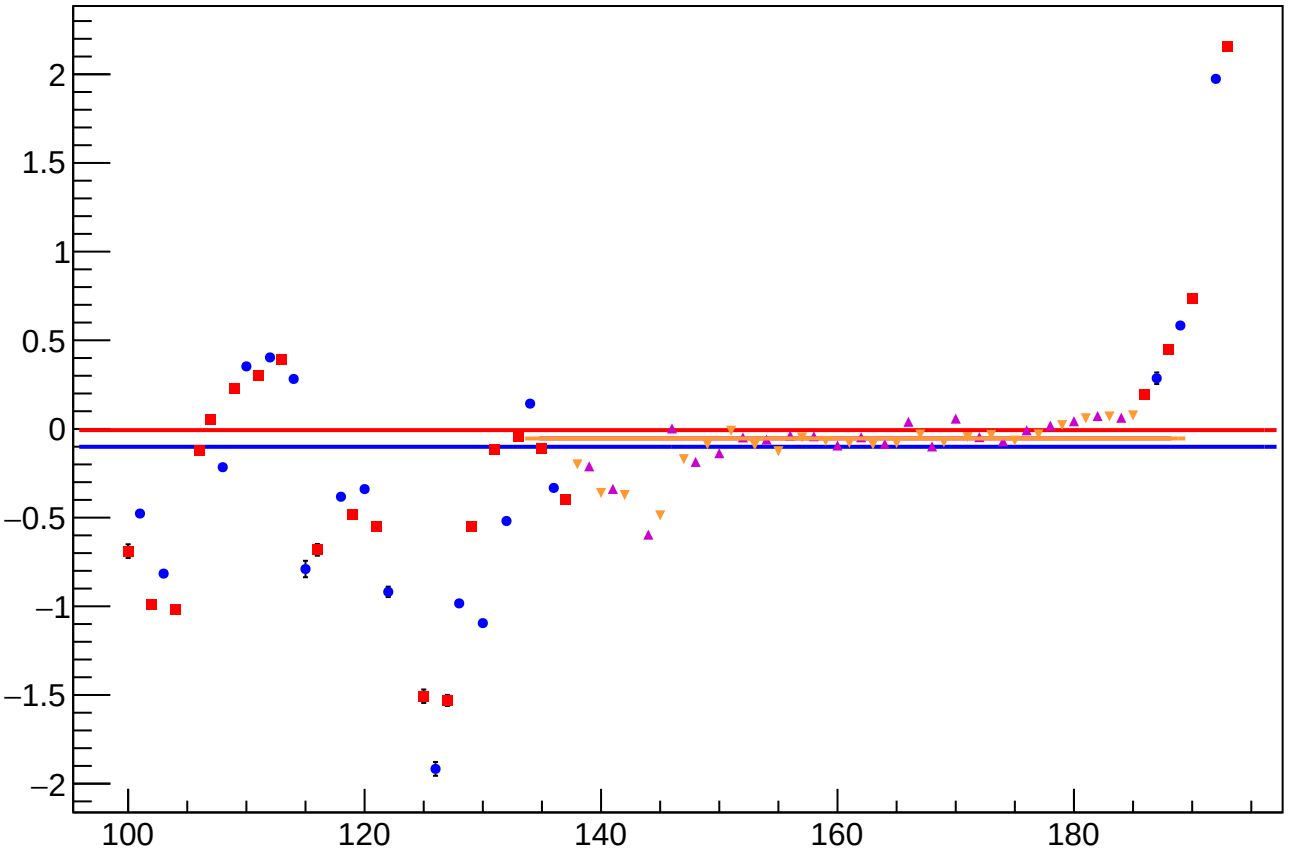
Right Out: -0.948+/-0.061 χ^2/NDF: 5167.8/21

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.334+/-0.032 χ^2/NDF: 11891.0/42

All: -1.162+/-0.022 χ^2/NDF: 24165.3/87

- sign -1.011+/-0.030 χ^2/NDF: 12220.6/44



Right In: -0.101+/-0.004 χ^2/NDF: 30587.8/18

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

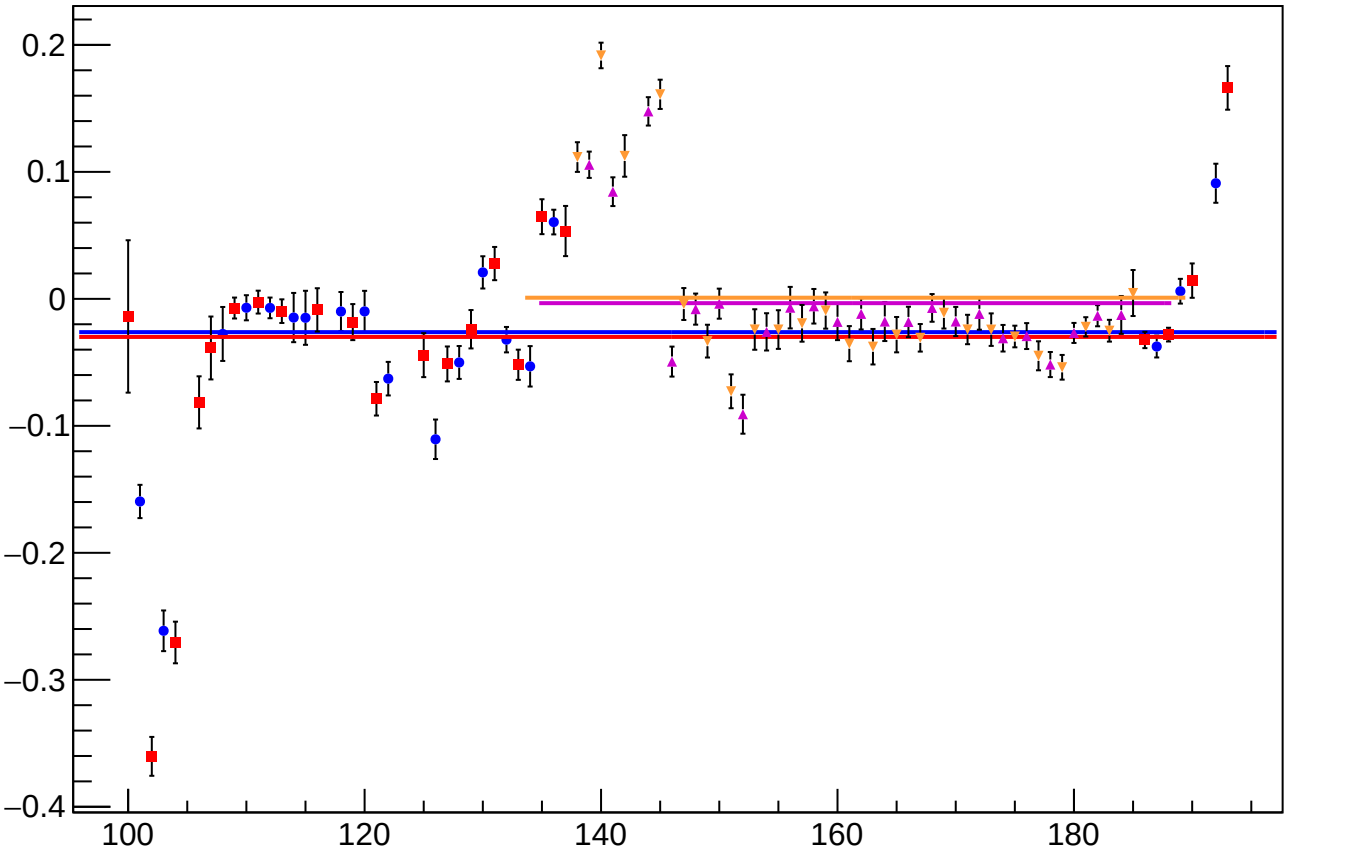
Right Out: -0.006+/-0.003 χ^2/NDF: 31467.4/21

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.060+/-0.001 χ^2/NDF: 35054.1/42

All: -0.053+/-0.001 χ^2/NDF: 71738.4/87

- sign -0.046+/-0.001 χ^2/NDF: 36632.7/44



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: -0.030+/-0.002 χ^2/NDF: 957.3/21

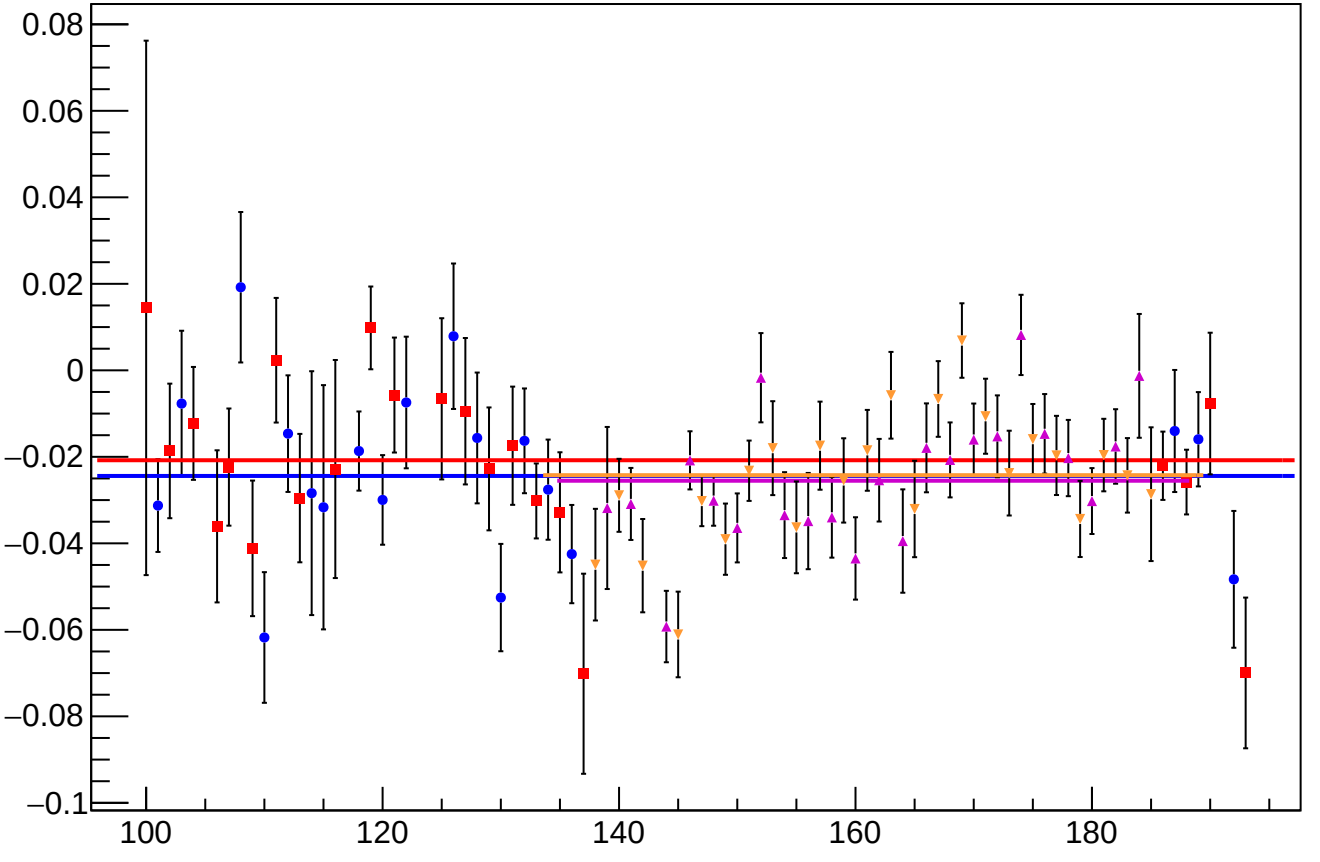
Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.010+/-0.002 χ^2/NDF: 1442.4/42

All: -0.014+/-0.001 χ^2/NDF: 2923.3/87

- sign -0.016+/-0.002 χ^2/NDF: 1475.2/44

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.024+/-0.003 χ^2/NDF: 32.0/18

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

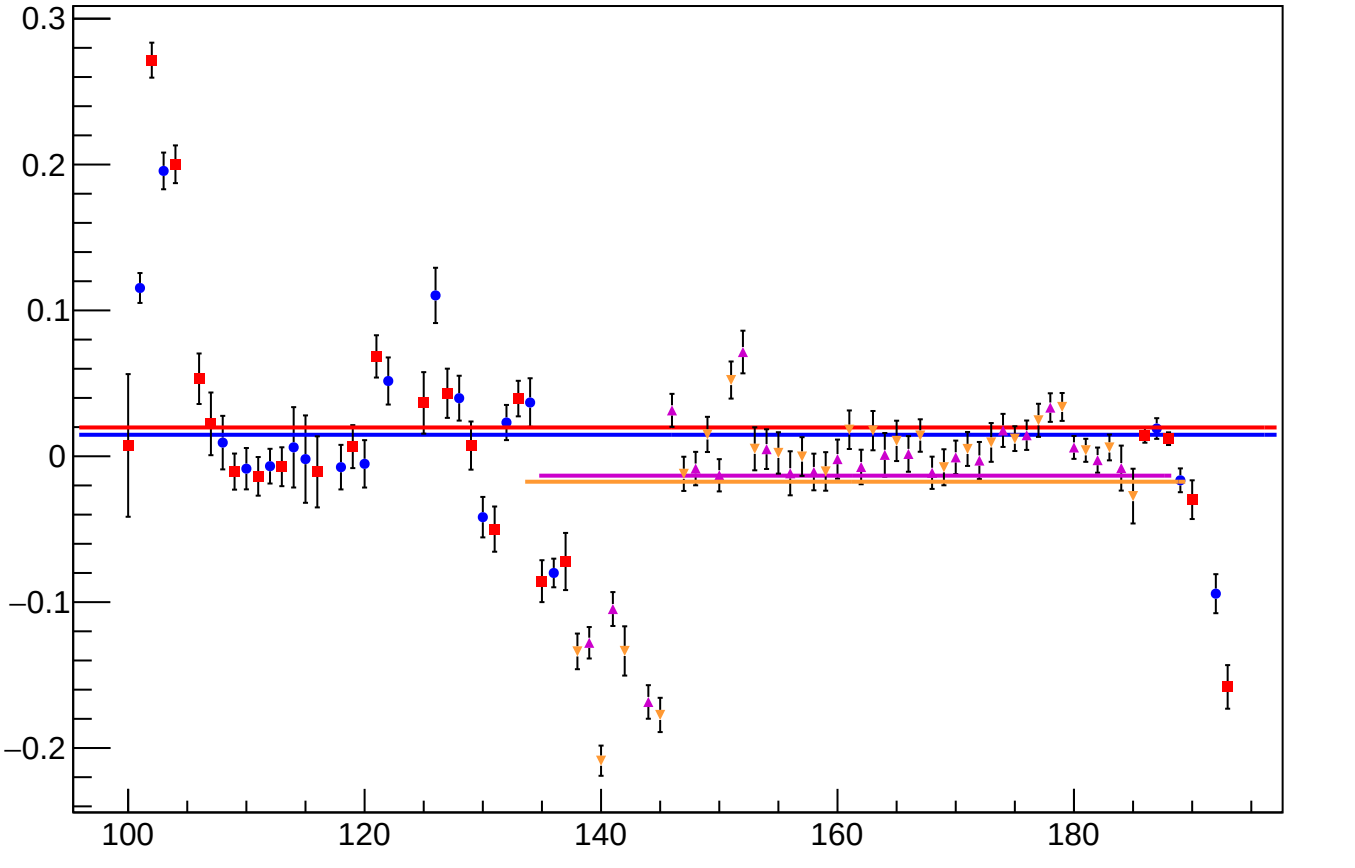
Right Out: -0.021+/-0.003 χ^2/NDF: 34.4/21

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: 177.1/87

- sign -0.024+/-0.002 χ^2/NDF: 91.3/44



Right In: 0.015+/-0.003 χ^2/NDF: 539.9/18

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

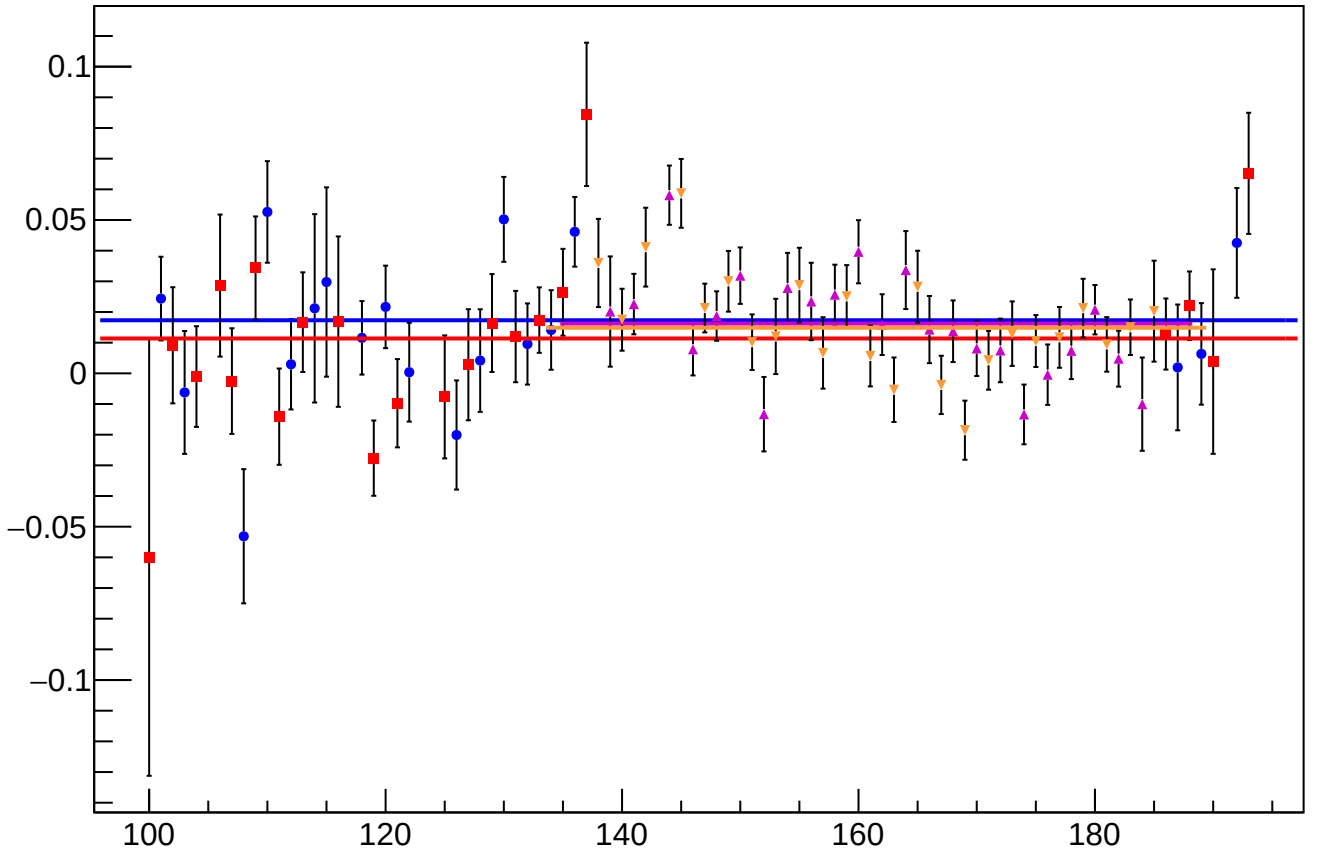
Right Out: 0.020+/-0.002 χ^2/NDF: 930.6/21

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.004+/-0.002 χ^2/NDF: 1425.5/42

All: -0.000+/-0.001 χ^2/NDF: 2920.7/87

- sign 0.003+/-0.002 χ^2/NDF: 1485.5/44



Right In: 0.017+/-0.004 χ^2/NDF: 39.6/18

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

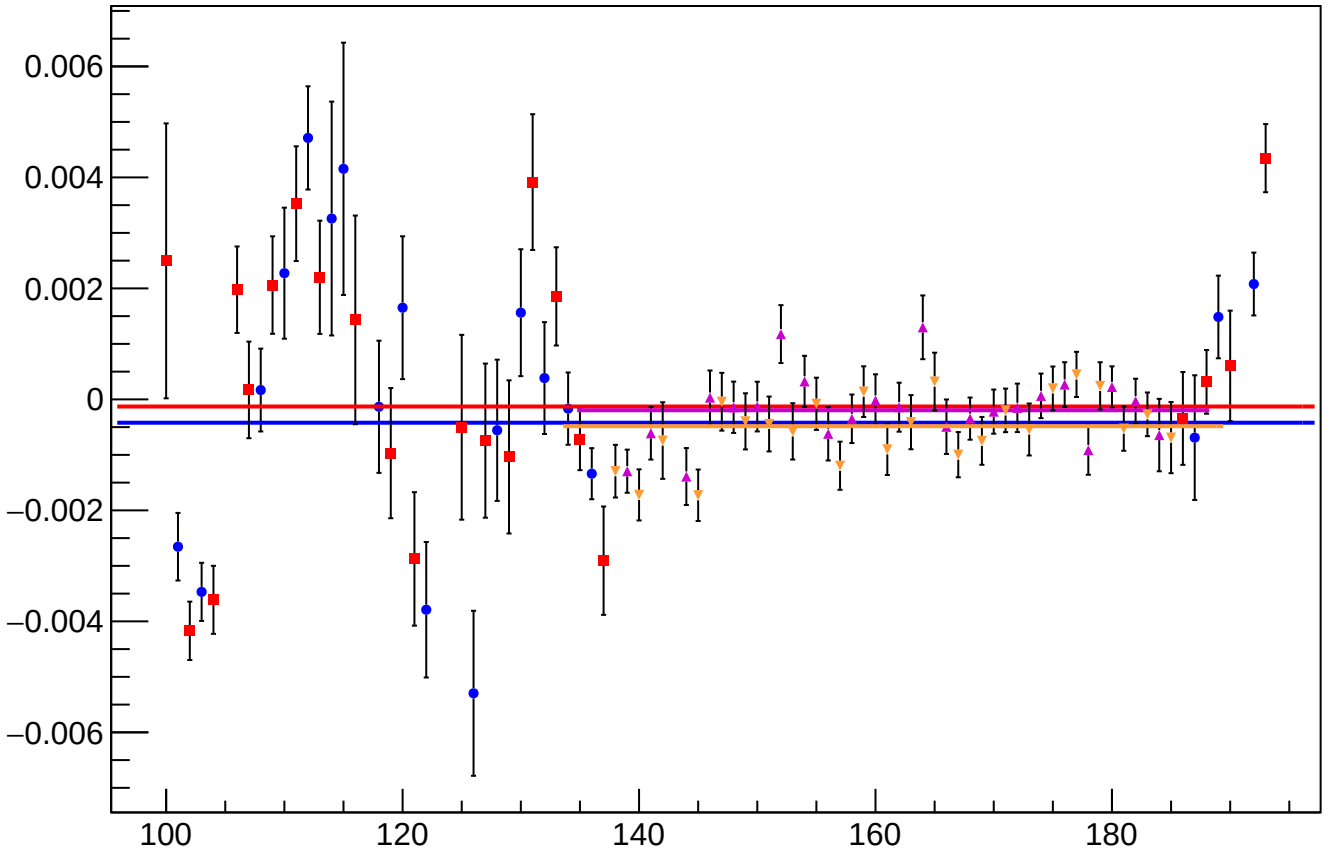
Right Out: 0.011+/-0.003 χ^2/NDF: 40.6/21

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: 192.1/87

\- sign 0.015+/-0.002 χ^2/NDF: 100.0/44



Right In: -0.000+/-0.000 χ^2/NDF: 145.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

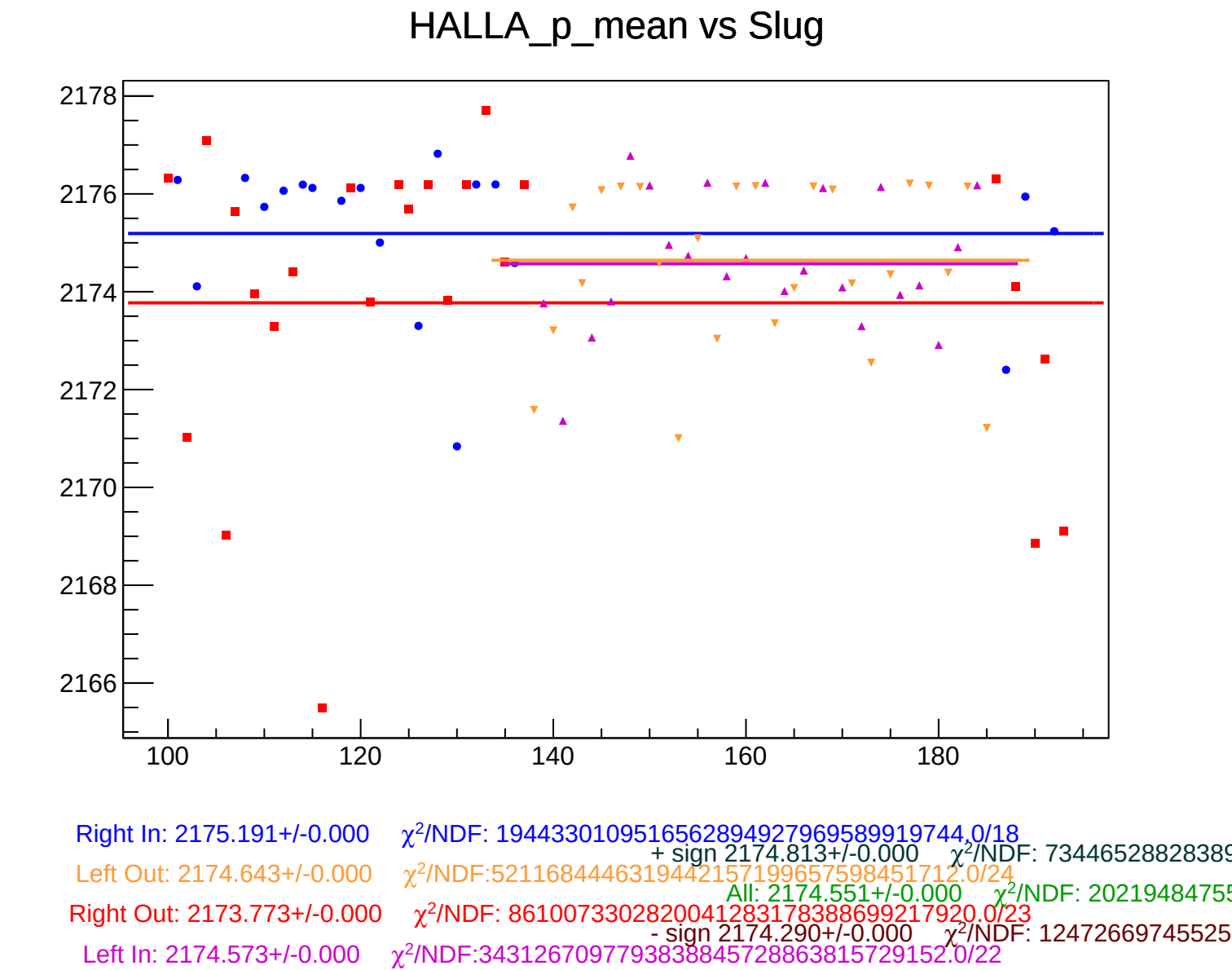
Right Out: -0.000+/-0.000 χ^2/NDF: 210.4/21

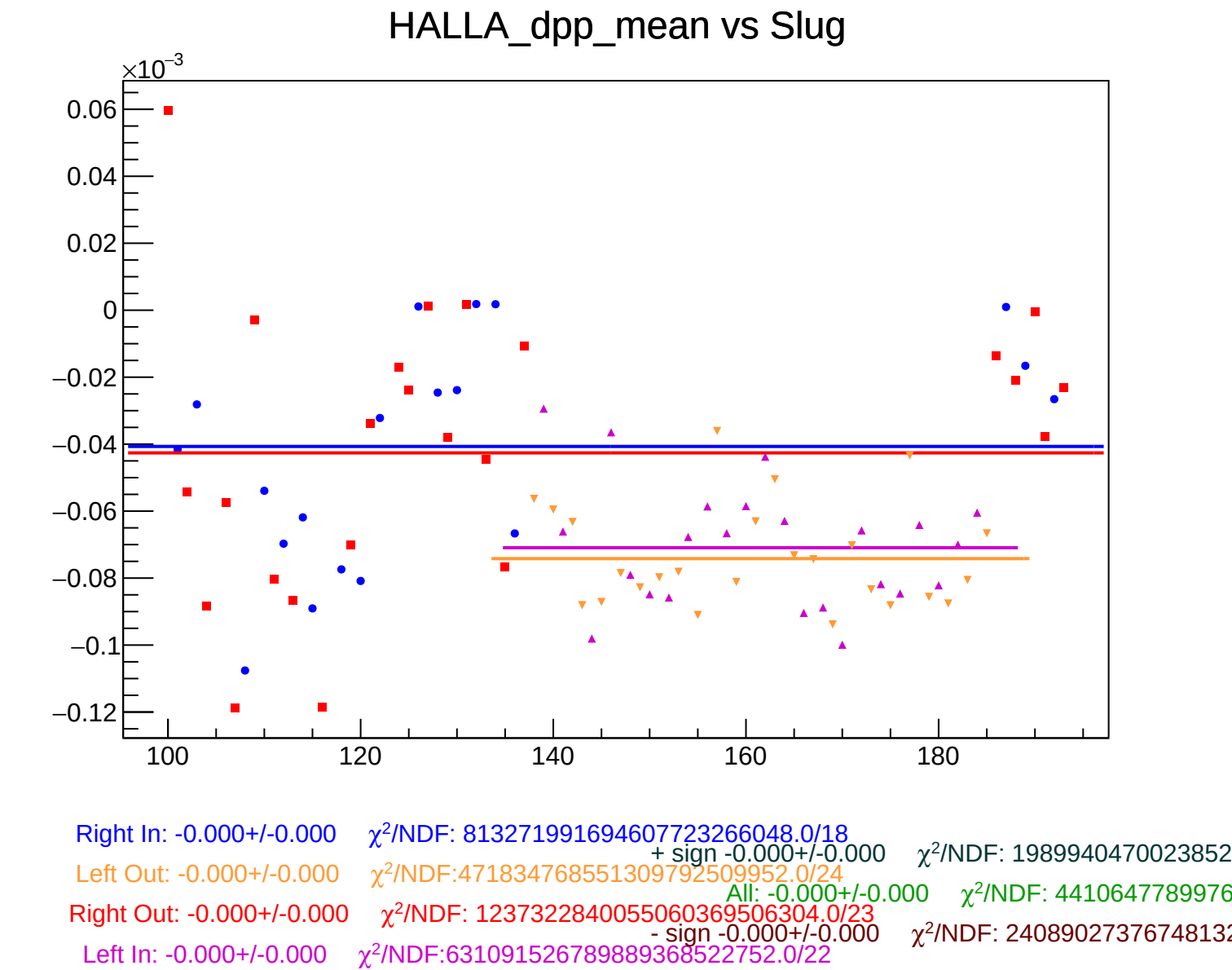
Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 186.6/42

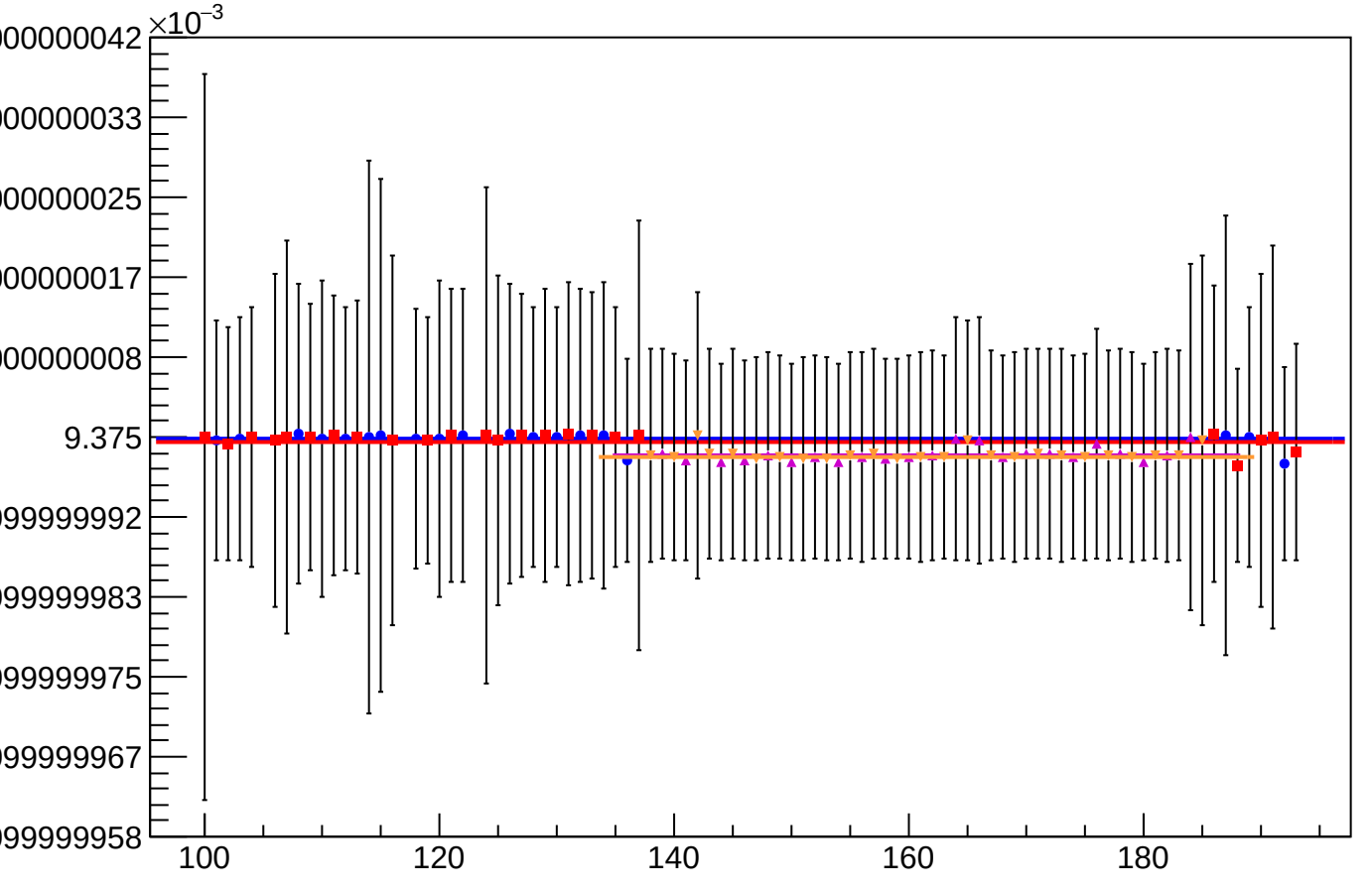
All: -0.000+/-0.000 χ^2/NDF: 440.3/87

- sign -0.000+/-0.000 χ^2/NDF: 247.7/44


HALLA_p_mean vs Slug
2178
2176
2174
2172
2170
2168
2166
100
120
140
160
180
Right In: 2175.191+/-0.000 χ²/NDF: 19443301095165628949279695899197440/18
Left Out: 2174.643+/-0.000 χ²/NDF:52116844463194421571996575984517120/24
Right Out: 2173.773+/-0.000 χ²/NDF: 86100733028200412831783886992179200/23
Left In: 2174.573+/-0.000 χ²/NDF:34312670977938388457288638157291520/22
+ sign 2174.813+/-0.000 χ²/NDF: 7344652882838
All: 2174.551+/-0.000 χ²/NDF: 2021948475
- sign 2174.290+/-0.000 χ²/NDF: 12472669745525


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: 1237322840055060369506304.0/23
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
+ sign -0.000+/-0.000 χ²/NDF: 1989940470023852
All: -0.000+/-0.000 χ²/NDF: 4410647789976
- sign -0.000+/-0.000 χ²/NDF: 2408902737674813

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: 0.1/23

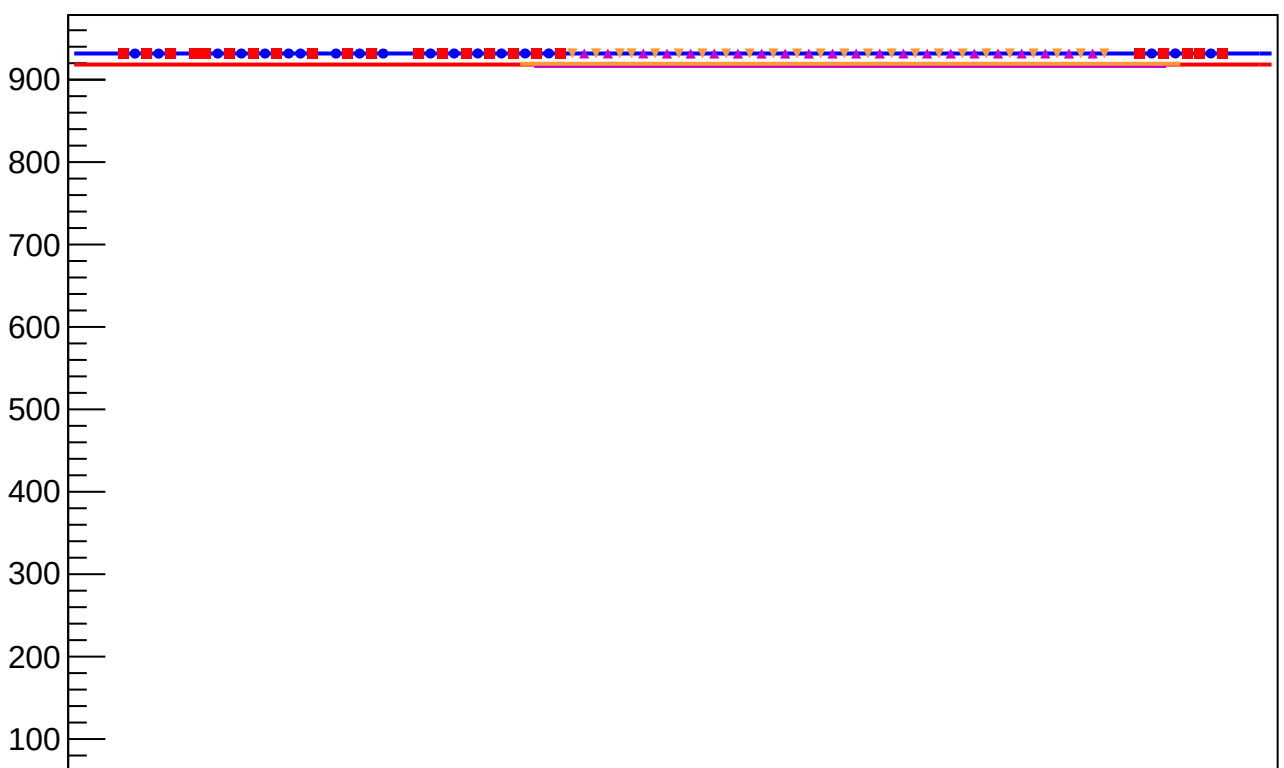
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/43

All: 0.009+/-0.000 χ^2/NDF: 0.7/90

- sign 0.009+/-0.000 χ^2/NDF: 0.3/46

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

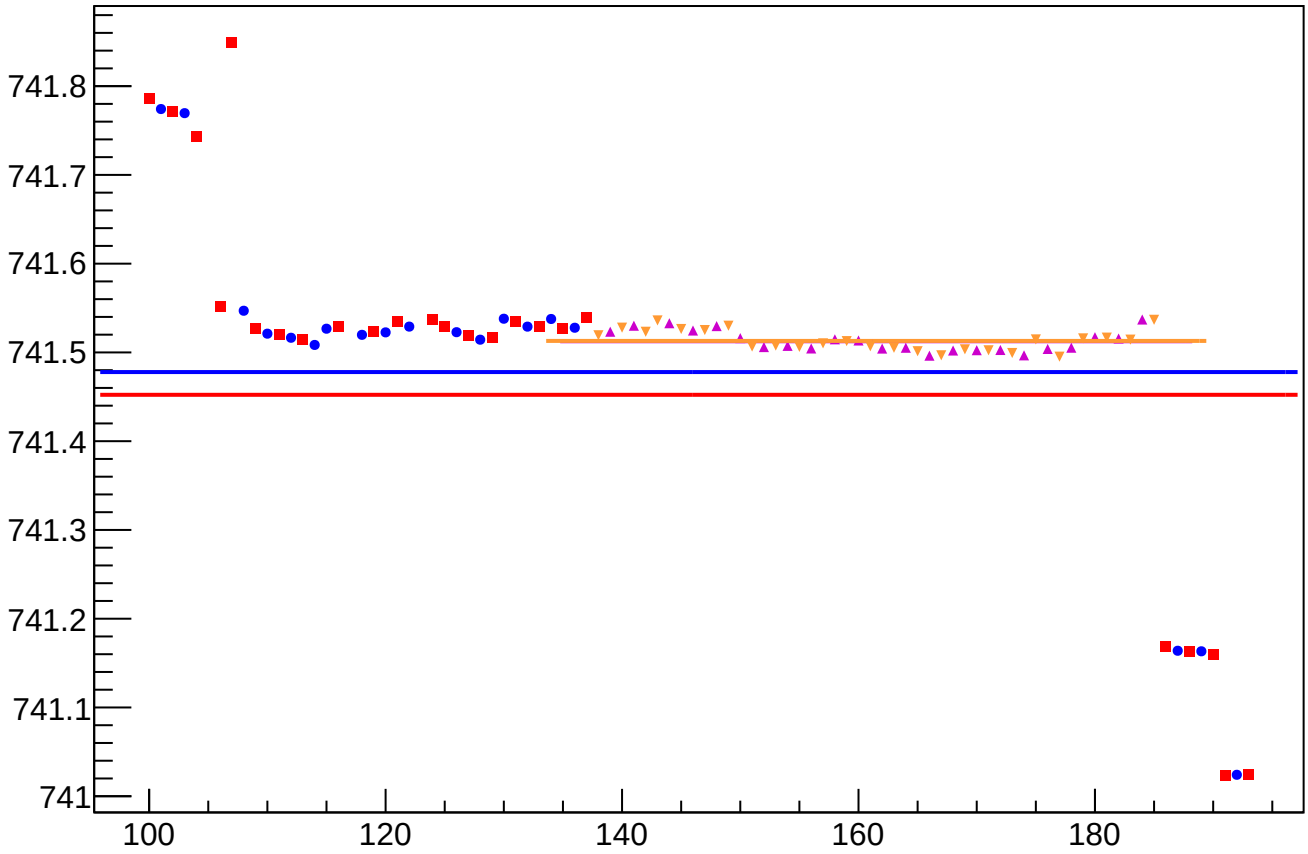
All: 920.230+/-0.000 χ^2/NDF: 62376992523

Right Out: 918.370+/-0.000 χ^2/NDF: 1283495377631246840125274722935819468 8.0/23

- sign 917.261+/-0.000 χ^2/NDF: 392066826796863

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: 399580919227528986028687669329920.0/18

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: 741.452+/-0.000 χ^2/NDF: 5313238687942696712981109853388 8.0/23

Left In: 741.513+/-0.000 χ^2/NDF:23470398303008542318589588275 2.0/22

+ sign 741.502+/-0.000 χ^2/NDF: 409835020751837

All: 741.497+/-0.000 χ^2/NDF: 969733901838

- sign 741.491+/-0.000 χ^2/NDF: 558187788664322

HacL_Q3_HP3458A_IOUT_mean vs Slug

Right In: 980.802+/-0.000 χ^2/NDF: 950694022269154010795211751424.0/18

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

Right Out: 980.761+/-0.000 χ^2/NDF: 617563036123294565041957639290 88.0/23

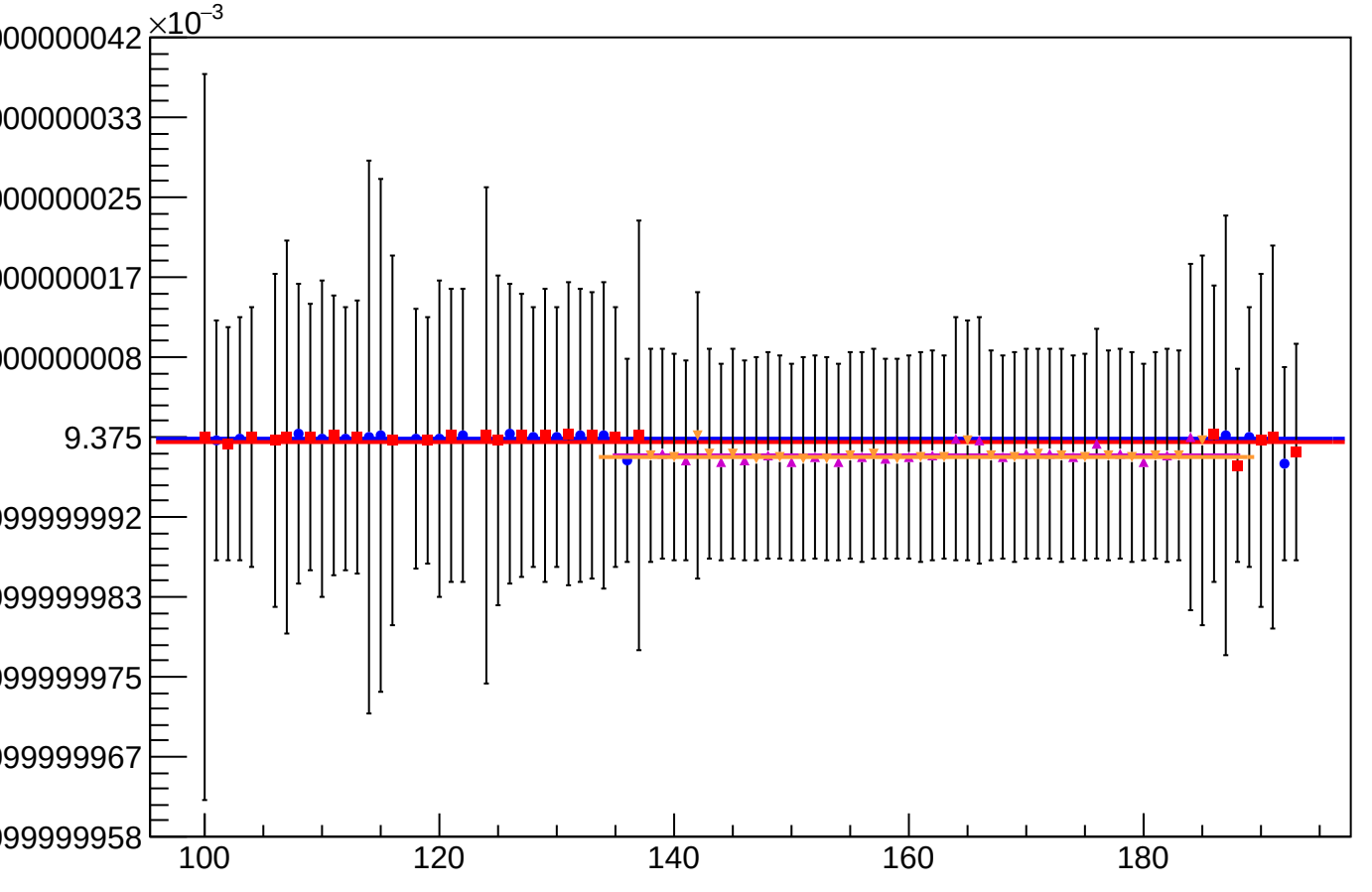
Left In: 964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

+ sign 971.762+/-0.000 χ^2/NDF: 256133721832545

All: 971.117+/-0.000 χ^2/NDF: 55002175099

- sign 970.477+/-0.000 χ^2/NDF: 293863745075130

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: 0.1/23

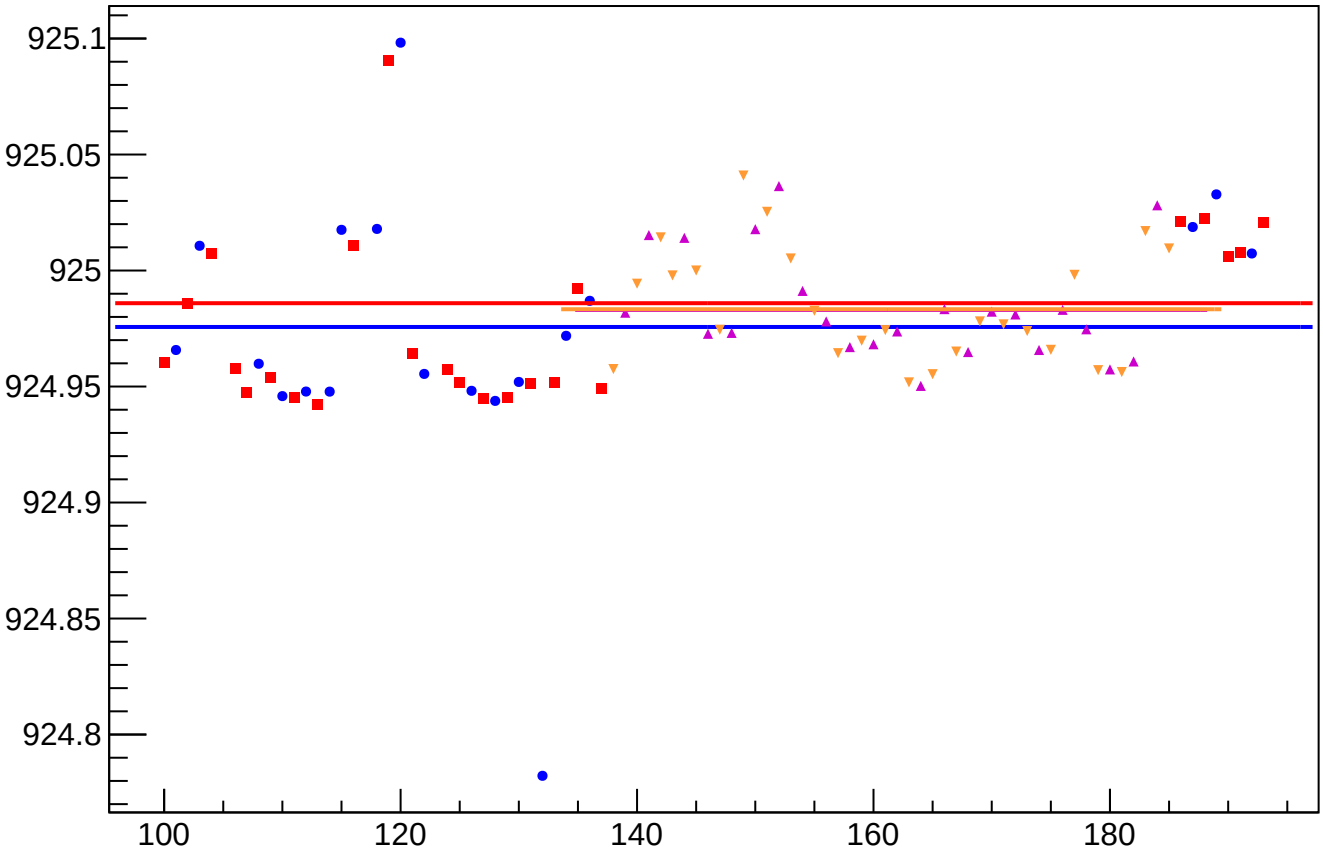
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/43

All: 0.009+/-0.000 χ^2/NDF: 0.7/90

- sign 0.009+/-0.000 χ^2/NDF: 0.3/46

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.976+/-0.000 χ^2/NDF: 29206166353605745509510131220480.0/18

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.986+/-0.000 χ^2/NDF: 16539408431794769637317248286720.0/23

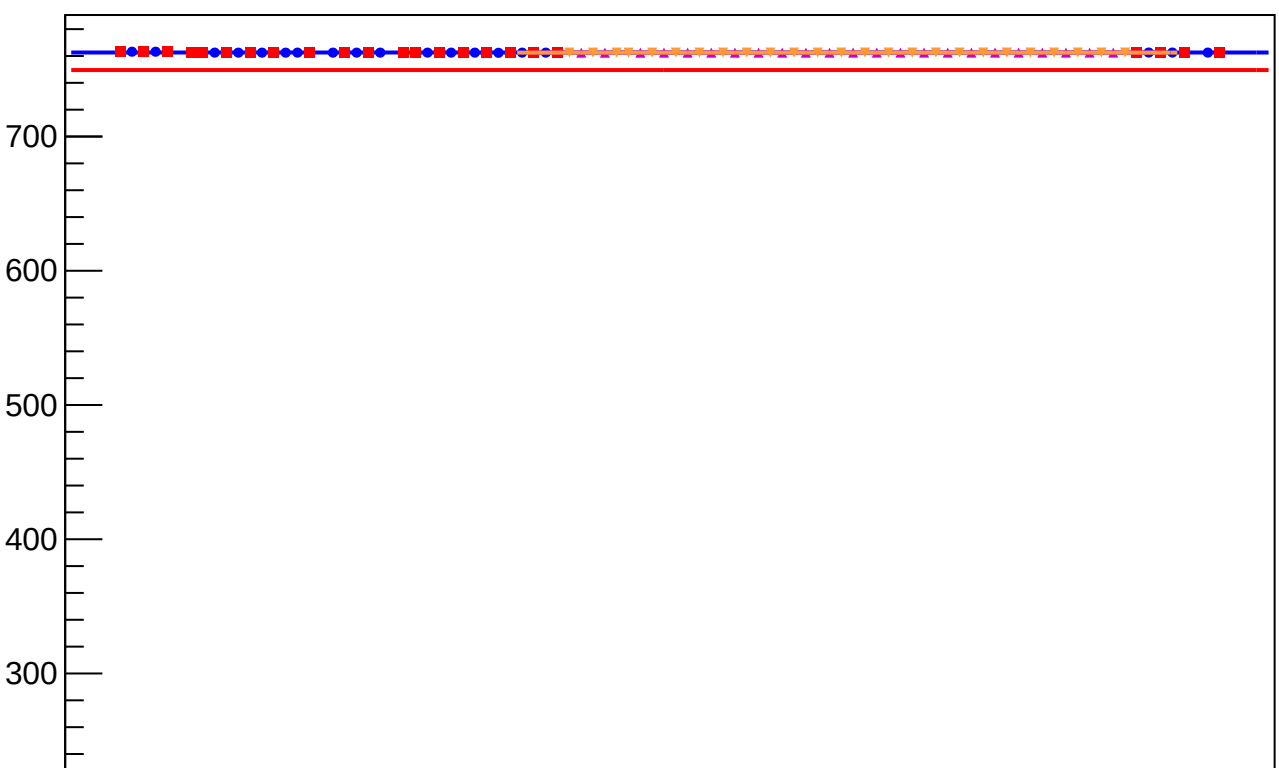
Left In: 924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

+ sign 924.981+/-0.000 χ^2/NDF: 411836502656543

All: 924.982+/-0.000 χ^2/NDF: 67204435393

- sign 924.984+/-0.000 χ^2/NDF: 258790591540644

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: 749.515+/-0.000 χ^2/NDF: 726170790630328836218451782291528089 6.0/23

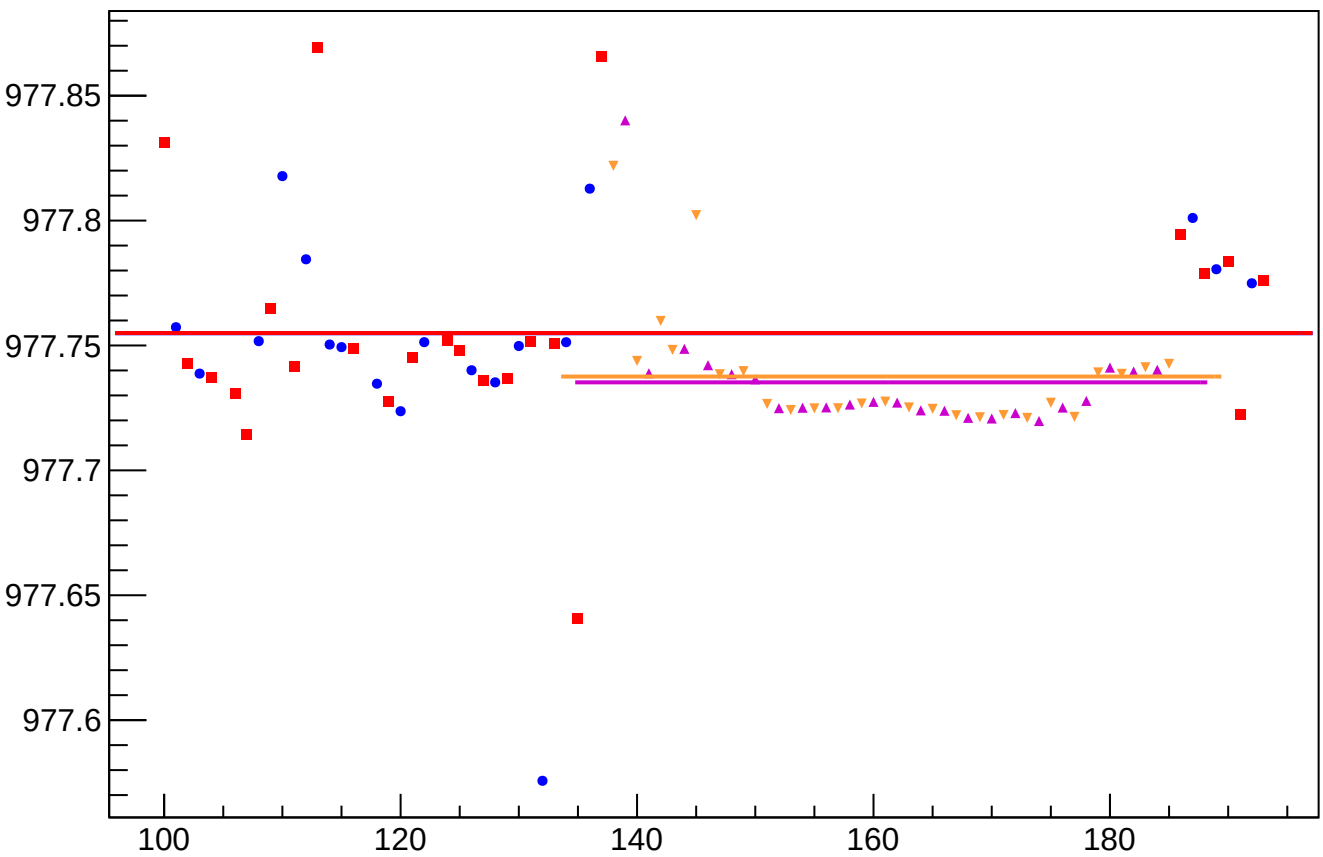
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.543+/-0.000 χ^2/NDF: 576460831786305

All: 760.226+/-0.000 χ^2/NDF: 740706083520

- sign 757.922+/-0.000 χ^2/NDF: 737562545176833

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.755+/-0.000 χ^2/NDF: 209881821629586415190609494016 0.0/18

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: 977.755+/-0.000 χ^2/NDF: 203906518473311133647861972992 0.0/23

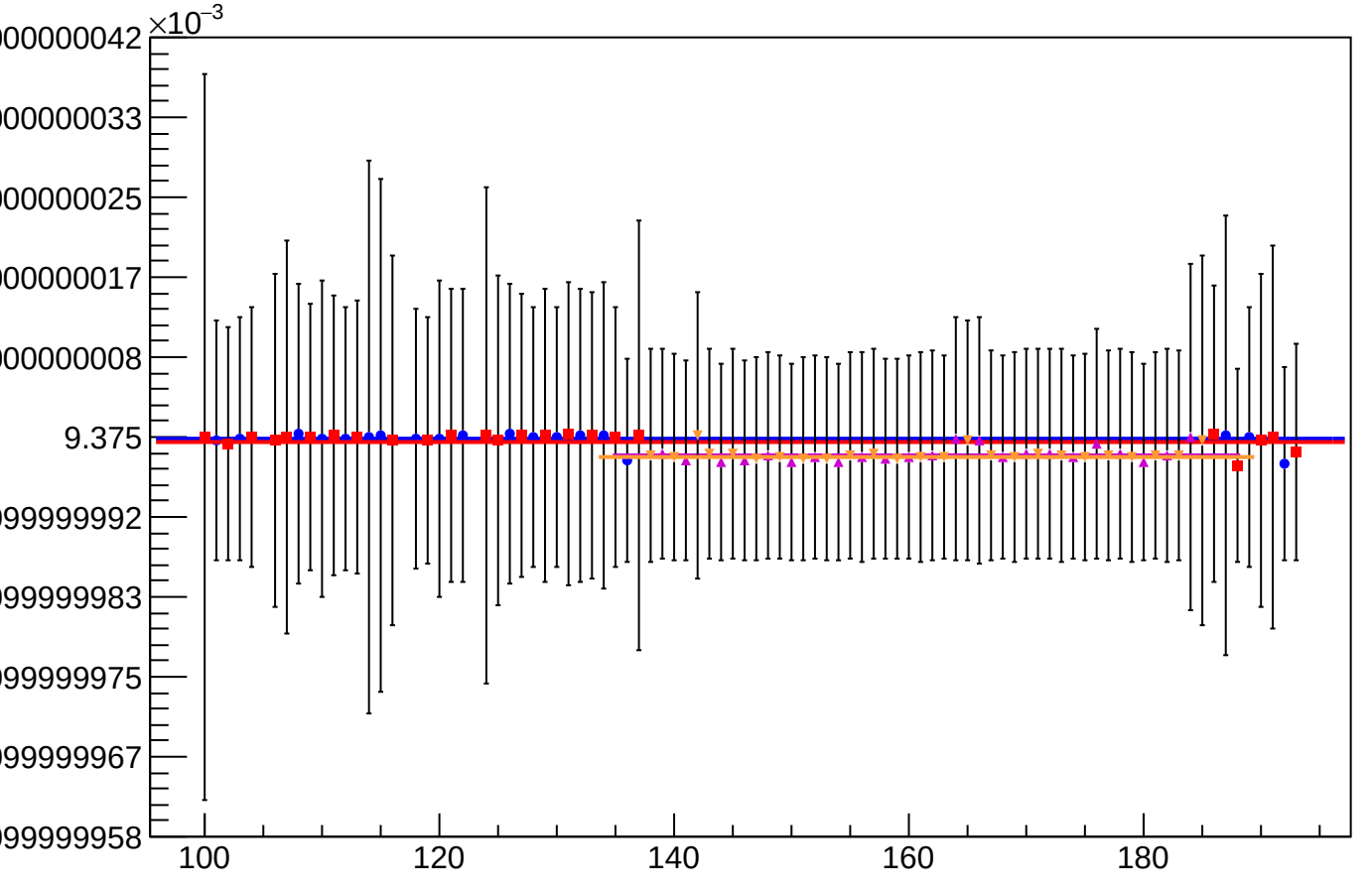
Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

+ sign 977.743+/-0.000 χ^2/NDF: 346580804550528

All: 977.743+/-0.000 χ^2/NDF: 686501352001

- sign 977.742+/-0.000 χ^2/NDF: 339838987026867

hesDipole_current_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: 0.1/23

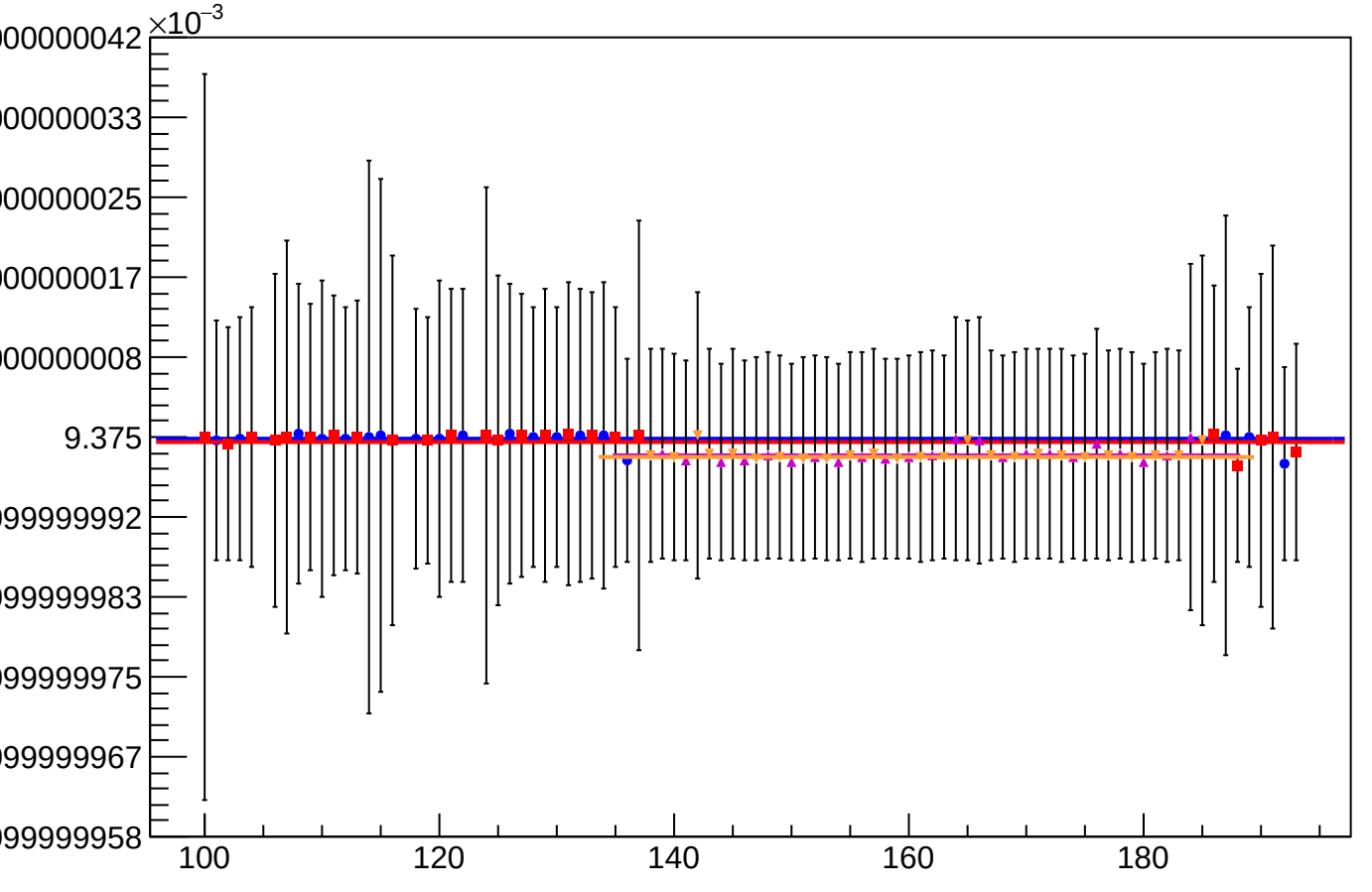
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/43

All: 0.009+/-0.000 χ^2/NDF: 0.7/90

- sign 0.009+/-0.000 χ^2/NDF: 0.3/46

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: 0.1/23

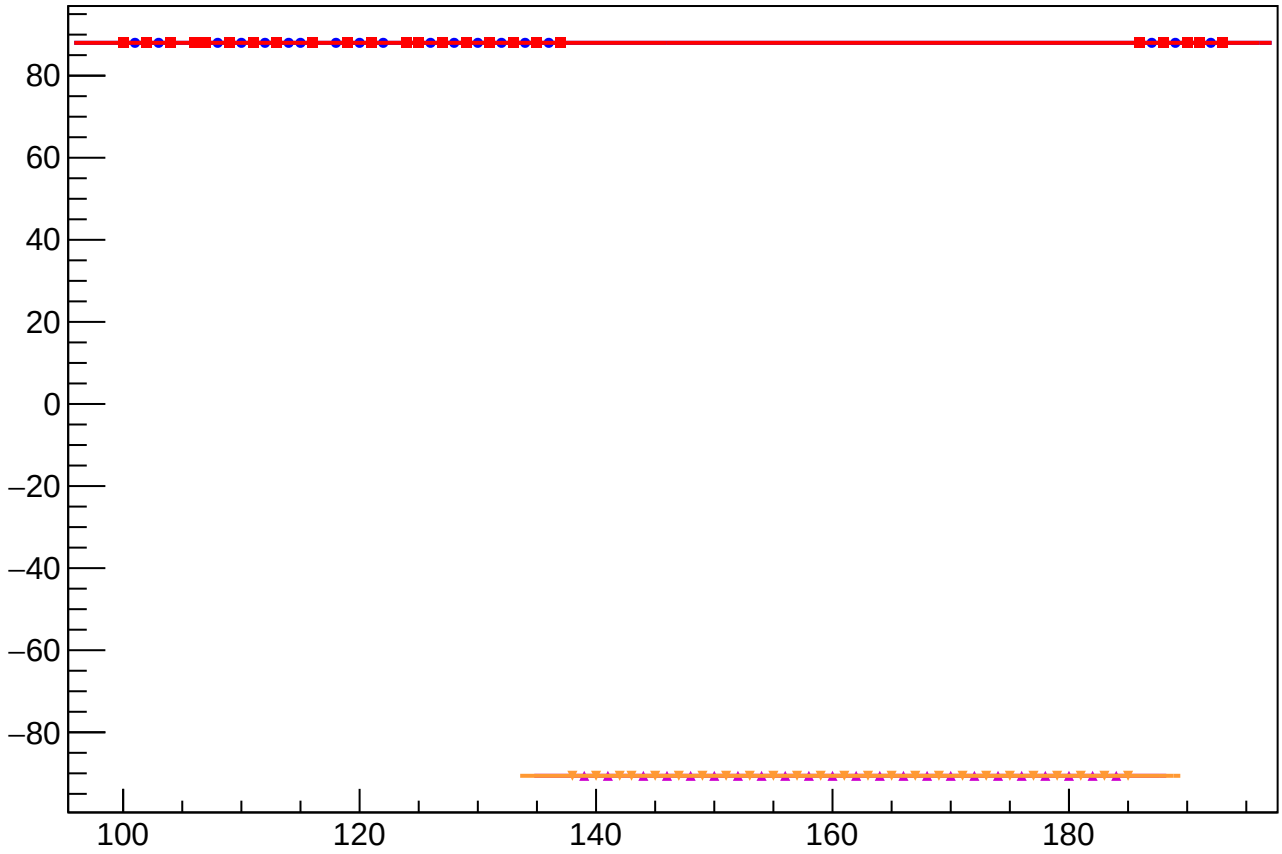
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/43

All: 0.009+/-0.000 χ^2/NDF: 0.7/90

- sign 0.009+/-0.000 χ^2/NDF: 0.3/46

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

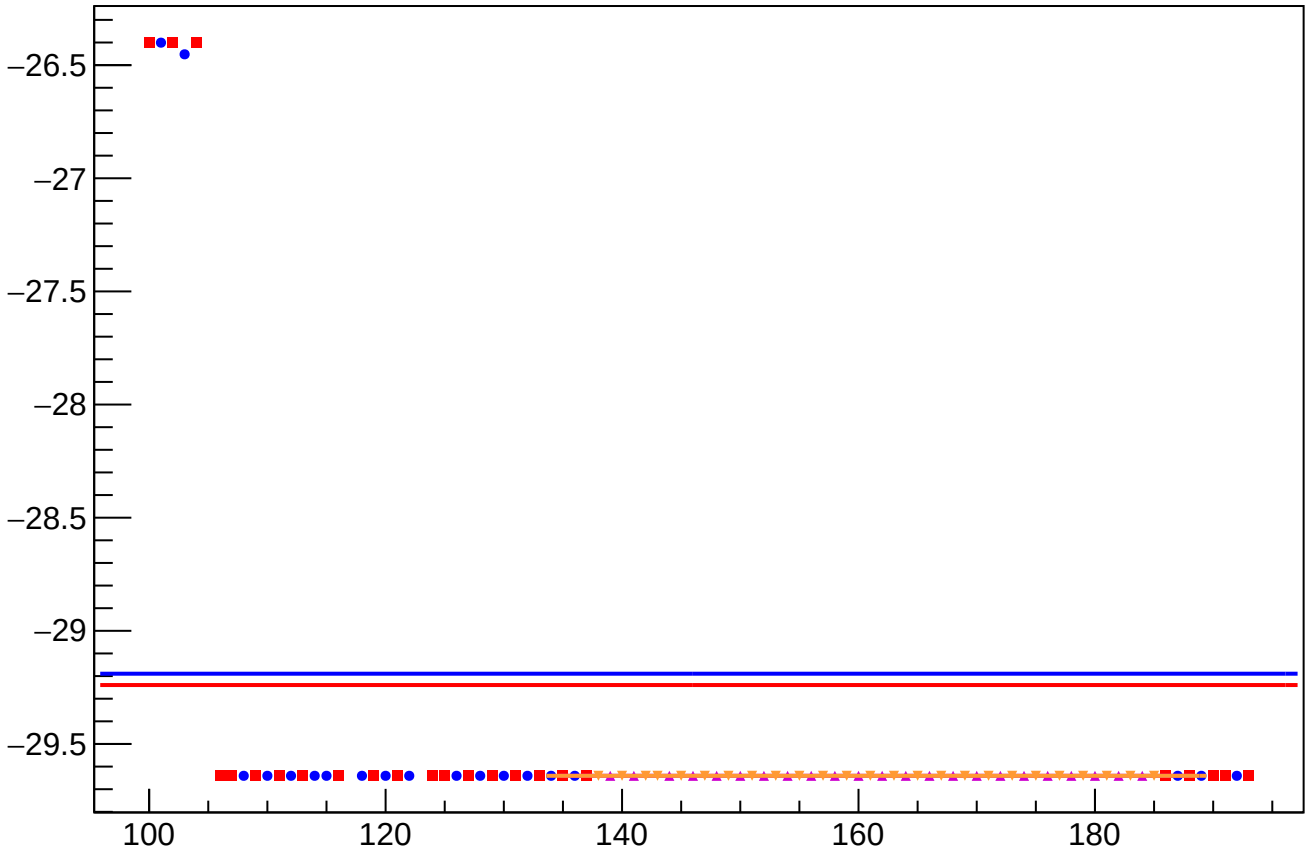
Right Out: 88.003+/-0.000 χ^2/NDF: 74720388290621464480860602368.0/23

Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -35.008+/-0.000 χ^2/NDF: 200360122700887

All: -31.228+/-0.000 χ^2/NDF: 41609454337

- sign -27.471+/-0.000 χ^2/NDF: 2148996334180044



Right In: -29.190+/-0.000 χ^2/NDF: 1137210949624077276387972816568320.0/18

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

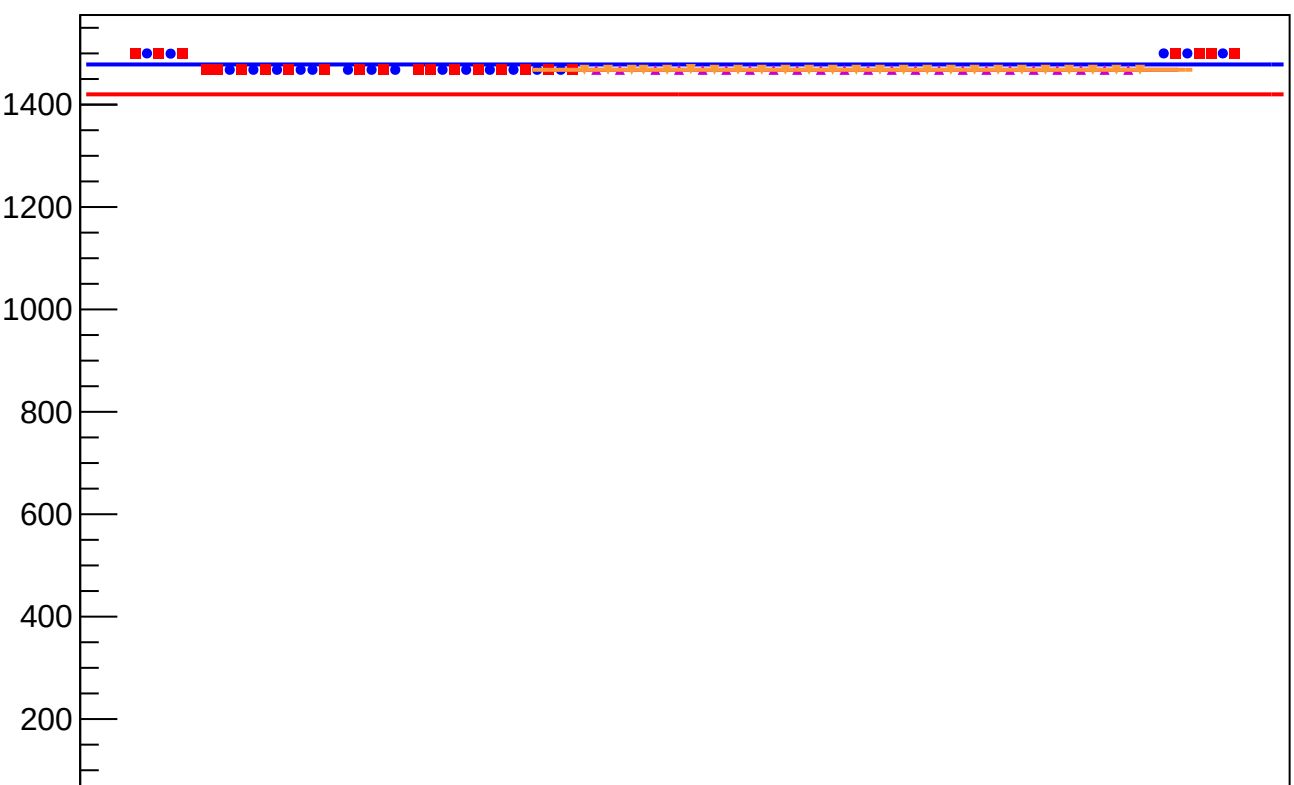
Right Out: -29.240+/-0.000 χ^2/NDF: 1186541108637252676408118349922304.0/23

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.500+/-0.000 χ^2/NDF: 126507726939053

All: -29.500+/-0.000 χ^2/NDF: 256001299645

- sign -29.499+/-0.000 χ^2/NDF: 1294933086024416



Right In: 1478.442+/-0.000 χ^2/NDF: 20470810206461511199626997233247846 4.0/18

+ sign 1471.285+/-0.000 χ^2/NDF: 27267997504033

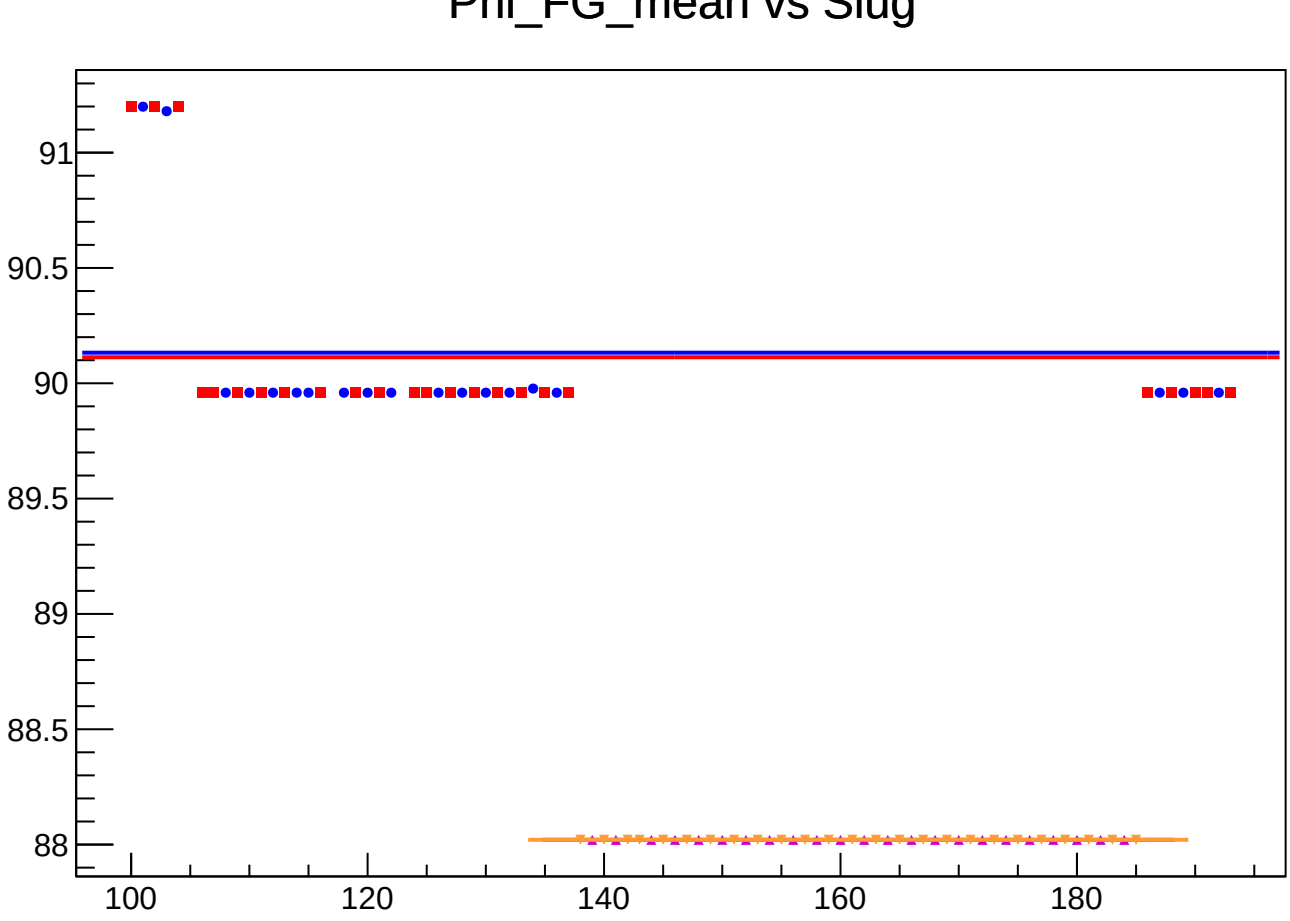
Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

All: 1461.137+/-0.000 χ^2/NDF: 909120620 02

Right Out: 1420.057+/-0.000 χ^2/NDF: 884895957251727279069698265180096430 08.0/23

- sign 1451.050+/-0.000 χ^2/NDF: 900376819442 52

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22



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: 90.113+/-0.000 χ^2/NDF: 173794544337830813998017234862080.0/23

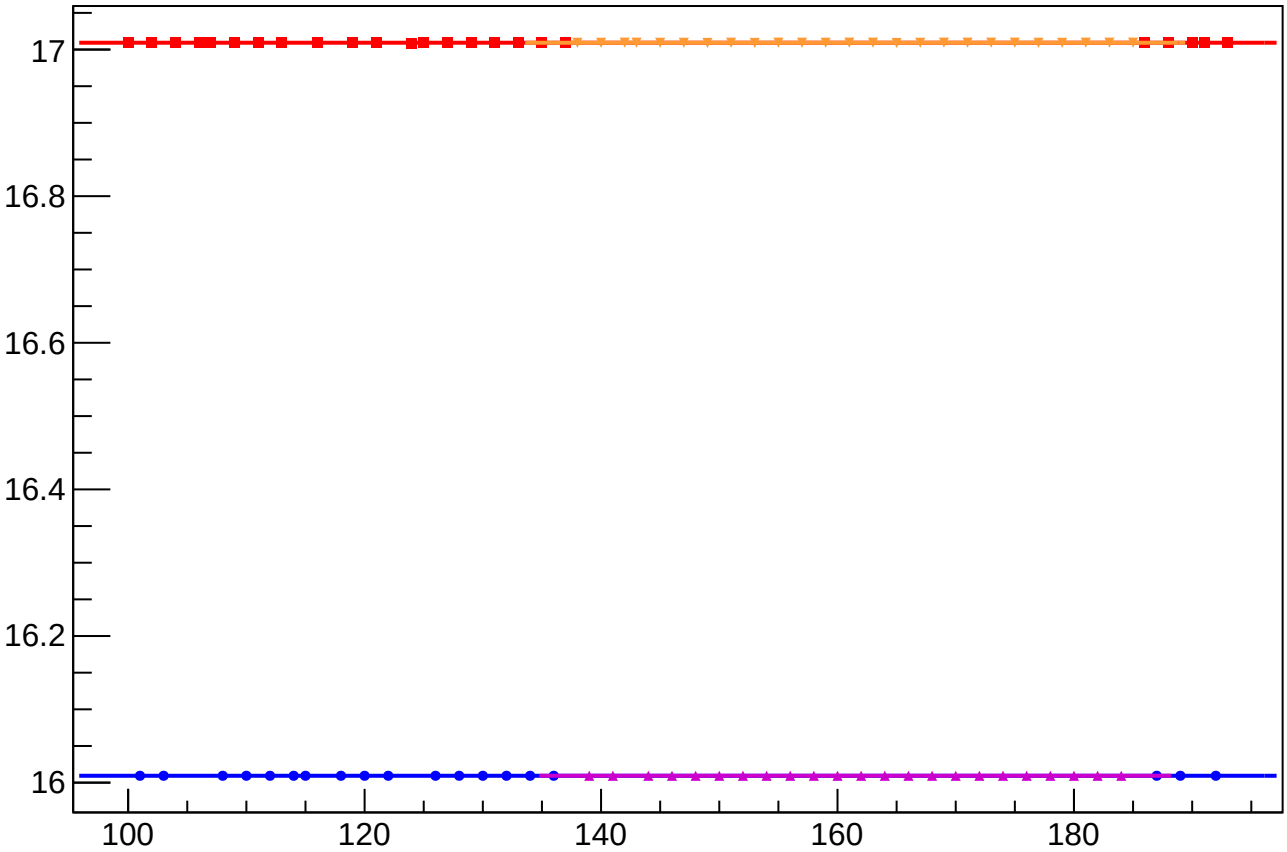
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.678+/-0.000 χ^2/NDF: 2968215352647798

All: 88.719+/-0.000 χ^2/NDF: 6100609931301

- sign 88.760+/-0.000 χ^2/NDF: 3122494613058400

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: 165007543898030073750487040.0/23

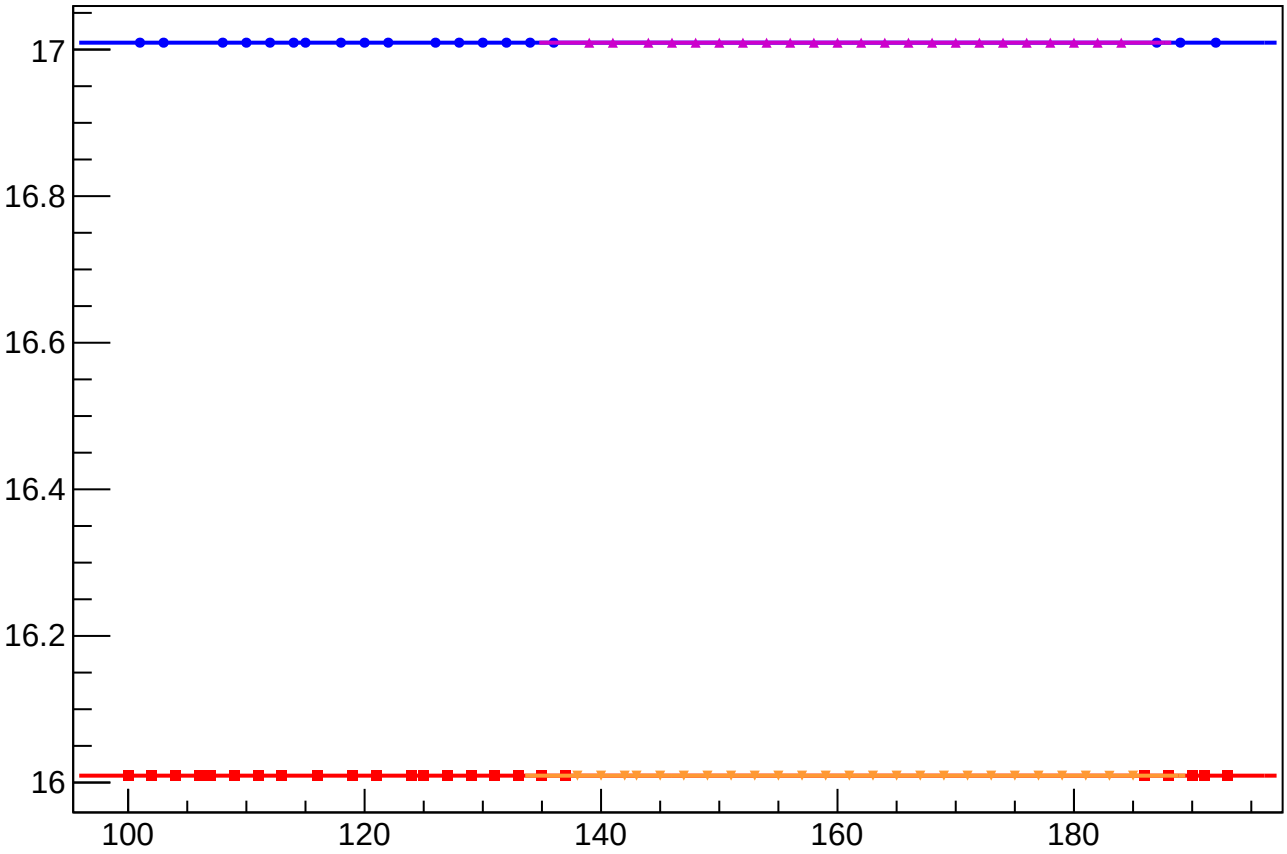
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.691+/-0.000 χ^2/NDF: 5952262237418262

All: 16.528+/-0.000 χ^2/NDF: 136937143903

- sign 16.364+/-0.000 χ^2/NDF: 6272175310618154

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: 234348.5/23

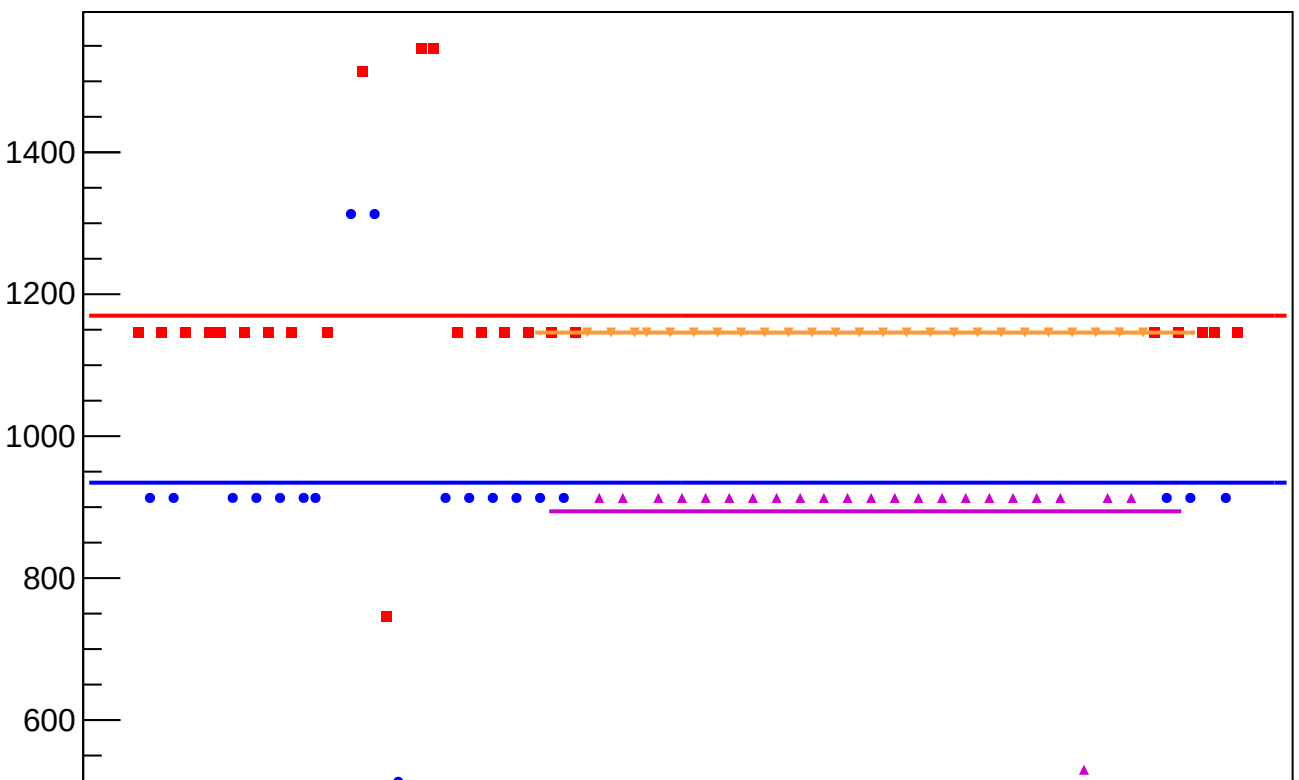
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.315+/-0.000 χ^2/NDF: 6094088660968002

All: 16.484+/-0.000 χ^2/NDF: 143831599207

- sign 16.651+/-0.000 χ^2/NDF: 6662089416242273

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

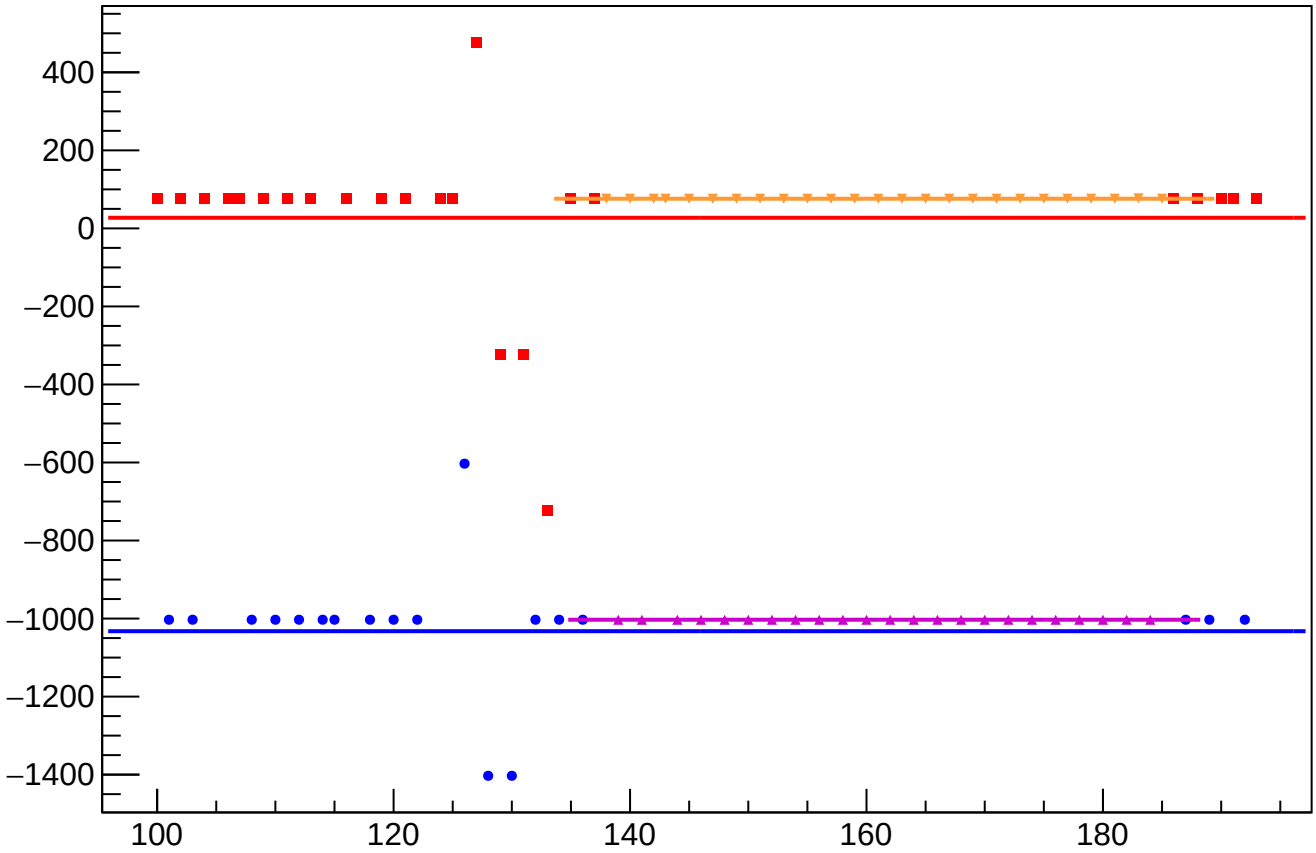
All: 1035.732+/-0.000 χ^2/NDF: 1474999562

Right Out: 1169.811+/-0.000 χ^2/NDF: 22356065991045423689101618213199806464.0/23

- sign 991.557+/-0.000 χ^2/NDF: 866725475474177

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

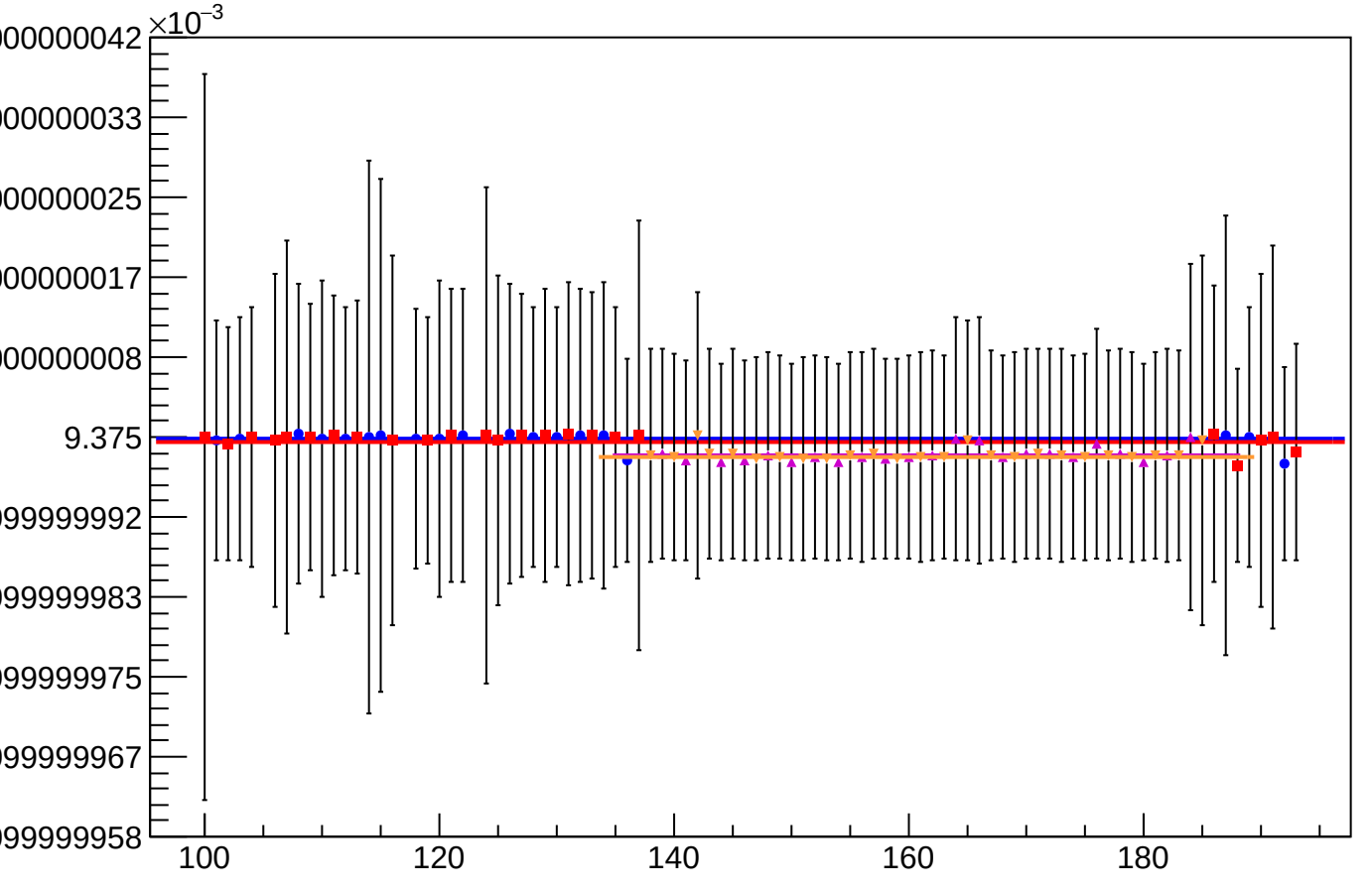
All: -454.465+/-0.000 χ^2/NDF: 1757849067

Right Out: 27.258+/-0.000 χ^2/NDF: 4696310556131196432912419565506815590 4.0/23

- sign -638.839+/-0.000 χ^2/NDF: 762029459737090

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: 0.1/23

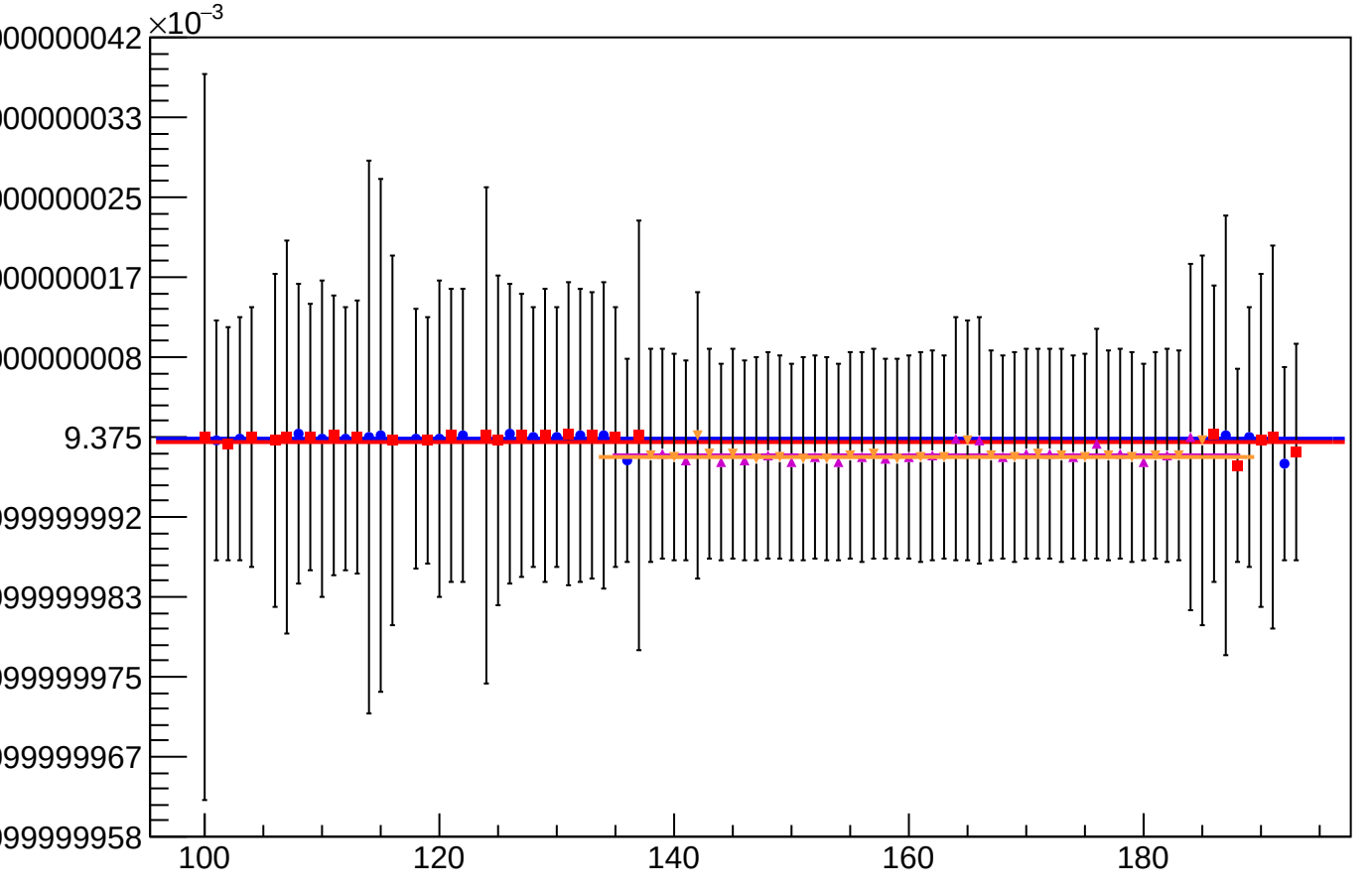
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/43

All: 0.009+/-0.000 χ^2/NDF: 0.7/90

- sign 0.009+/-0.000 χ^2/NDF: 0.3/46

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: 0.1/23

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: 0.7/90

- sign 0.009+/-0.000 χ^2/NDF: 0.3/46