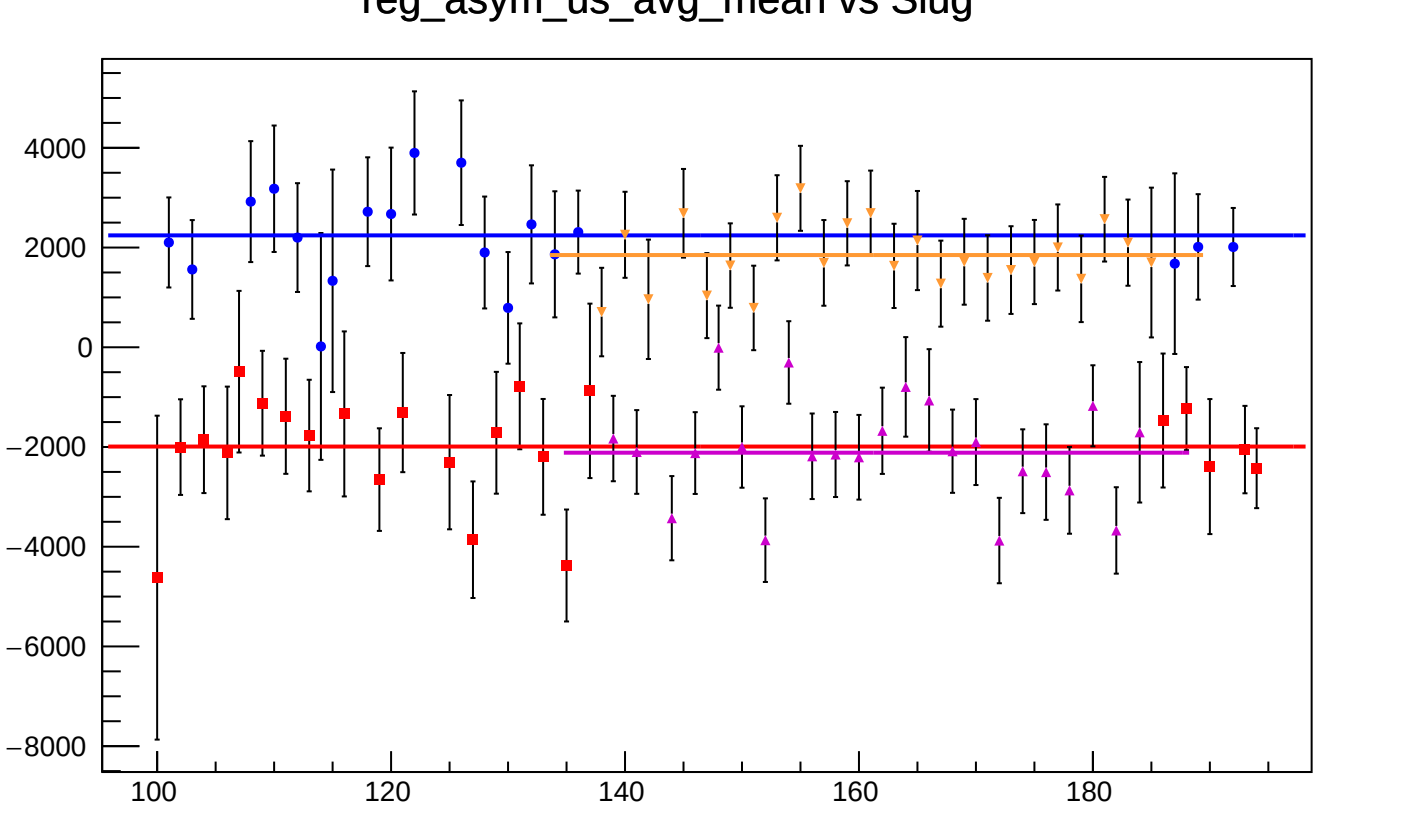


Right In: 2244.113+/-260.952 χ^2/NDF: 8.1/18

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

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

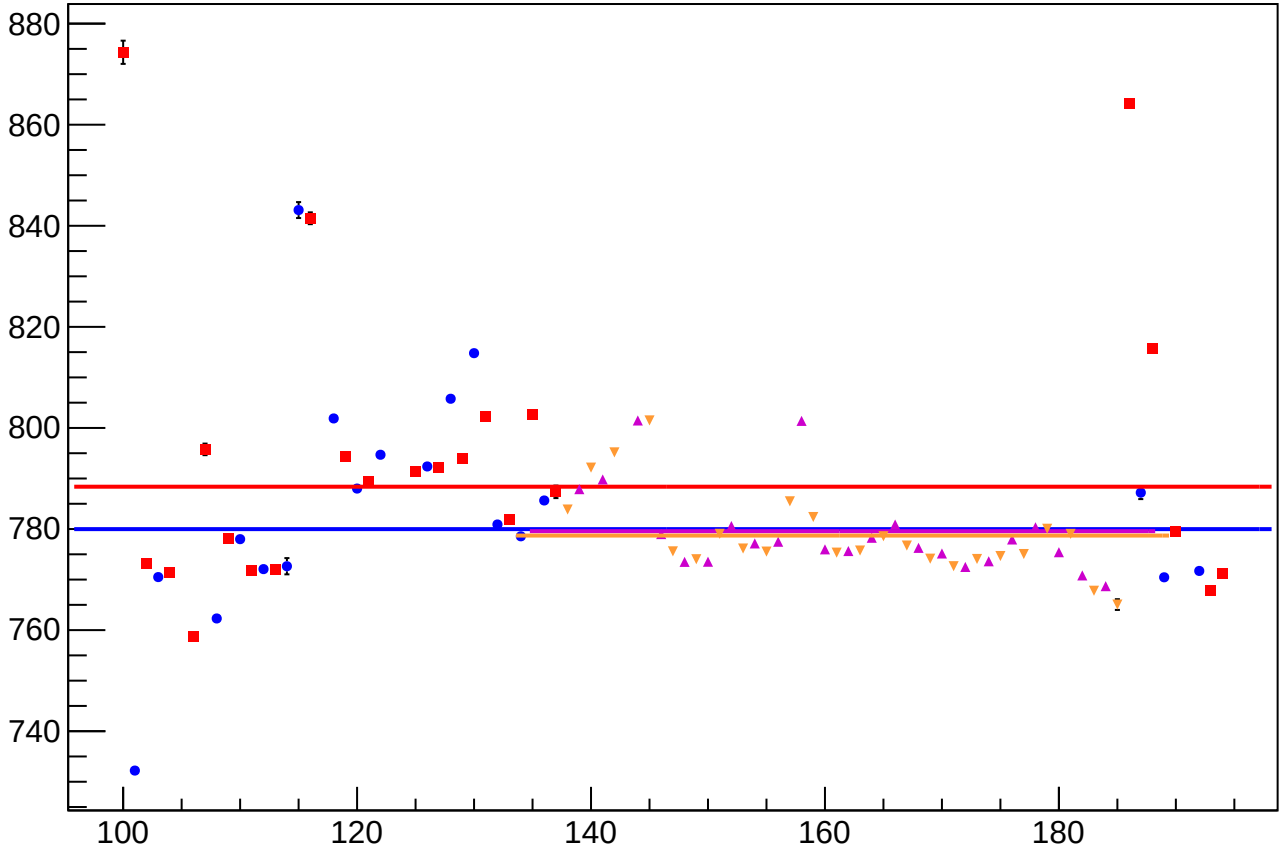
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

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

All: -93.723+/-103.816 χ^2/NDF: 446.7/88

- sign -2069.496+/-145.117 χ^2/NDF: 44.6/45

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: 788.375+/-0.170 χ^2/NDF: 17945.1/22

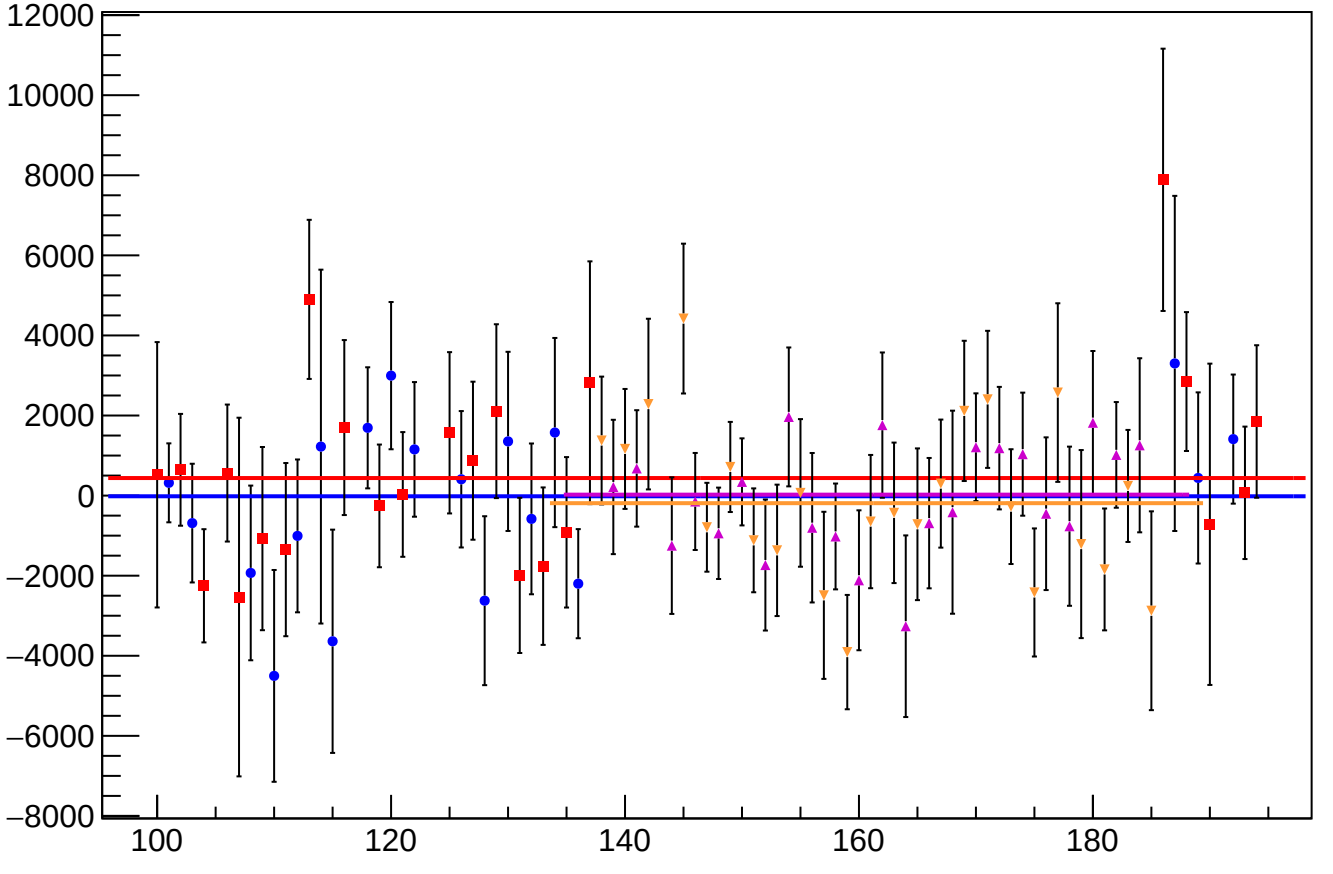
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

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

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

- sign 782.782+/-0.103 χ^2/NDF: 23821.7/45

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: 438.453+/-409.493 χ^2/NDF: 23.6/22

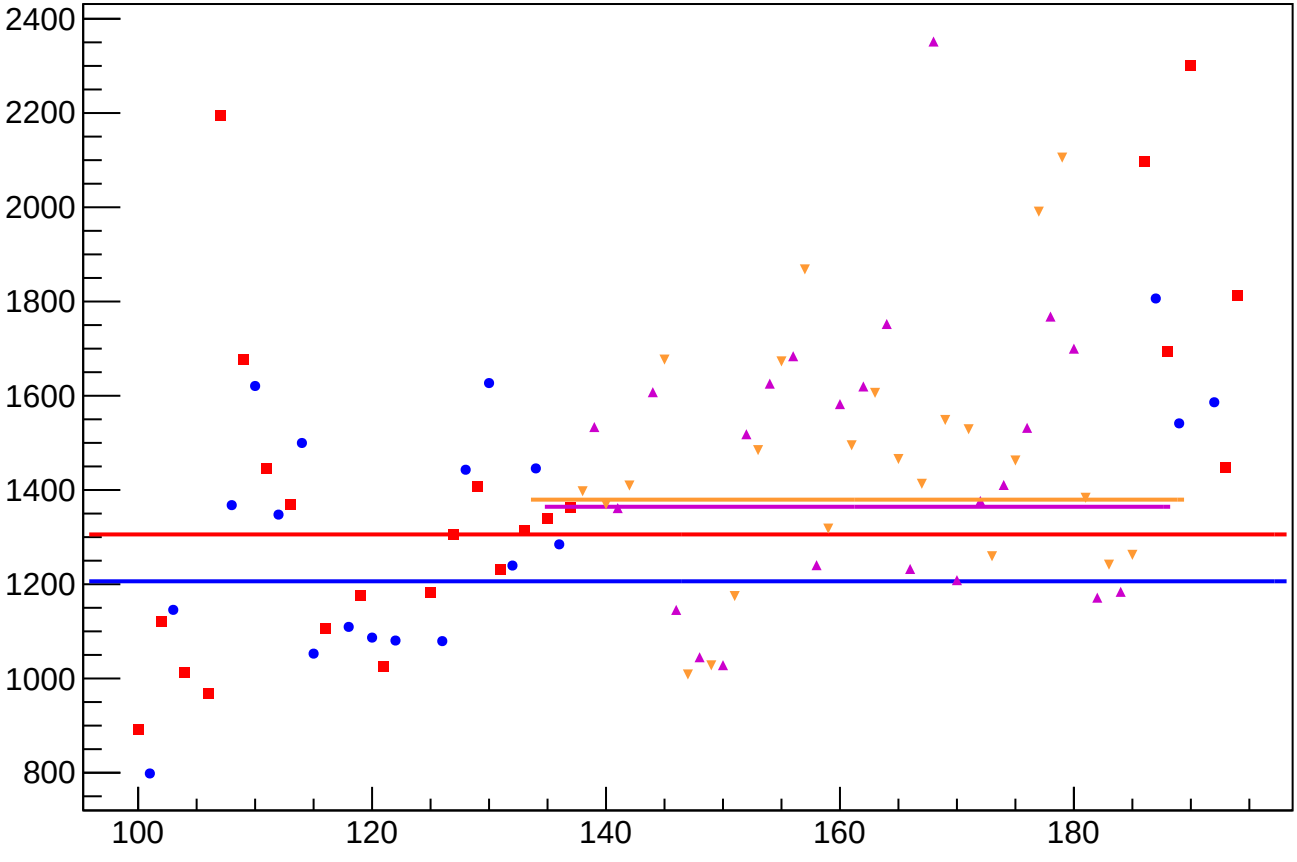
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

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

All: 32.127+/-181.055 χ^2/NDF: 85.1/88

- sign 184.508+/-254.955 χ^2/NDF: 37.7/45

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

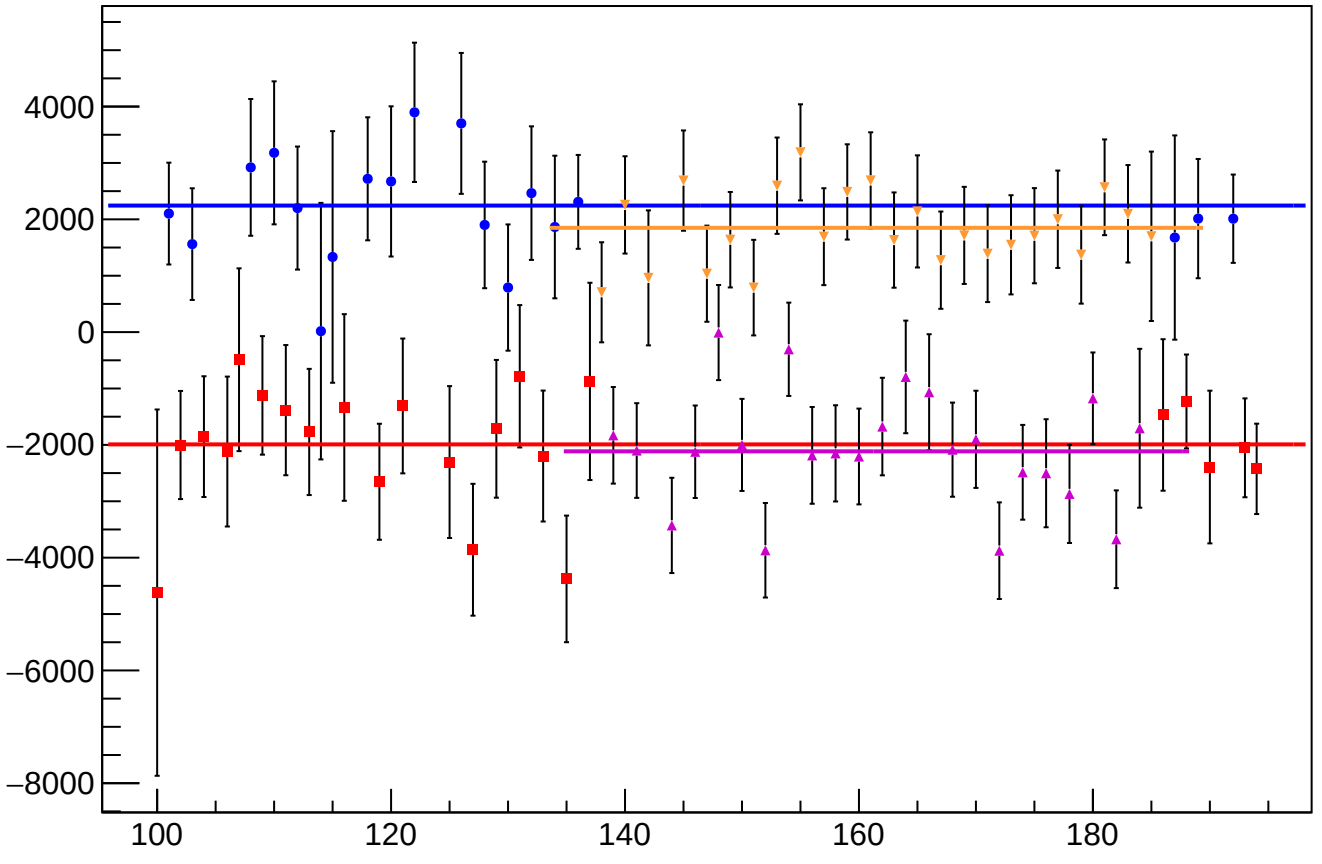
Right Out: 1305.719+/-0.290 χ^2/NDF: 981483.7/22

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

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

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

- sign 1341.660+/-0.180 χ^2/NDF: 2318943.5/45



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

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

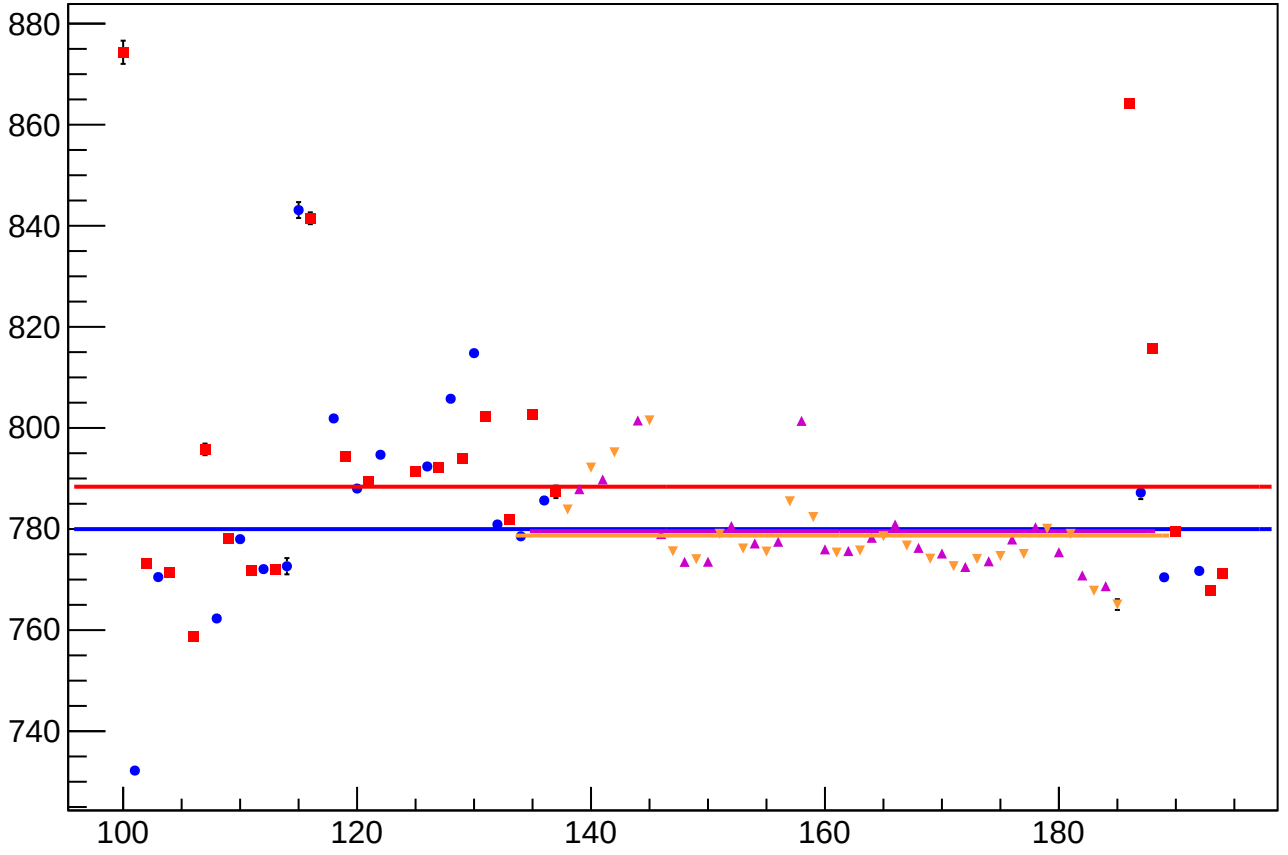
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

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

All: -93.723+/-103.816 χ^2/NDF: 446.7/88

- sign -2069.496+/-145.117 χ^2/NDF: 44.6/45

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: 788.375+/-0.170 χ^2/NDF: 17945.1/22

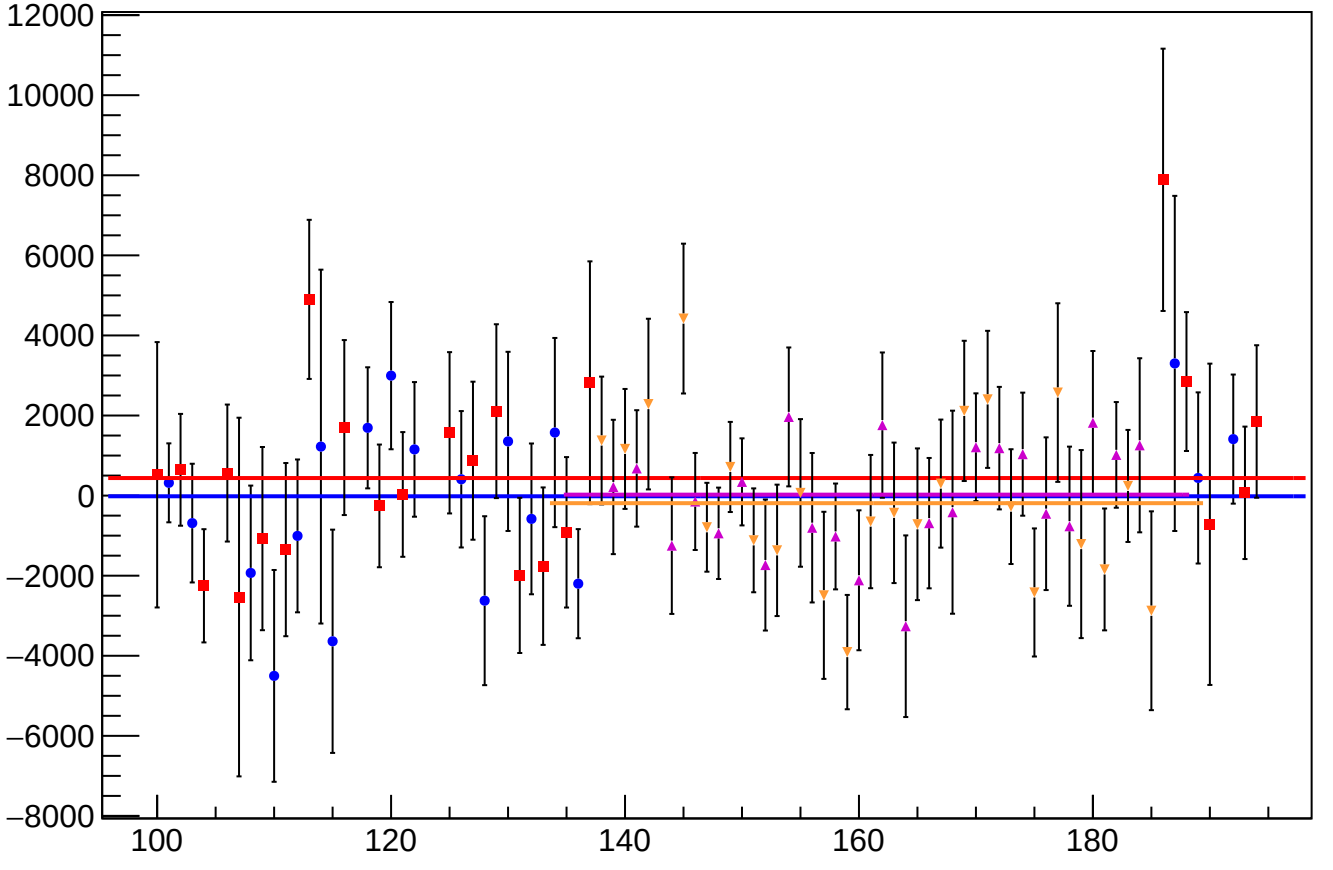
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

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

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

- sign 782.782+/-0.103 χ^2/NDF: 23821.7/45

asym_us_avg_cor_correction_mean vs Slug



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

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

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

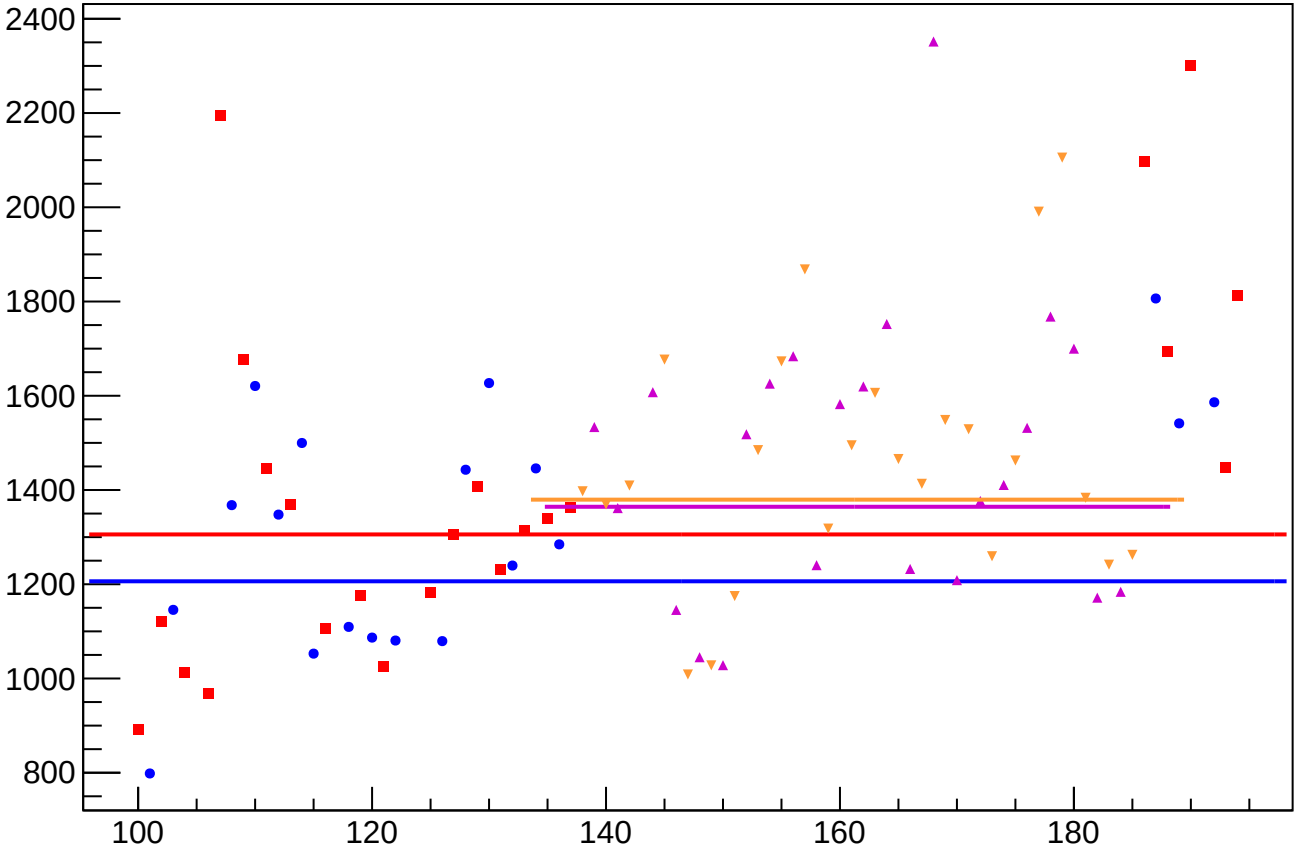
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

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

All: 32.127+/-181.055 χ^2/NDF: 85.1/88

- sign 184.508+/-254.955 χ^2/NDF: 37.7/45

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

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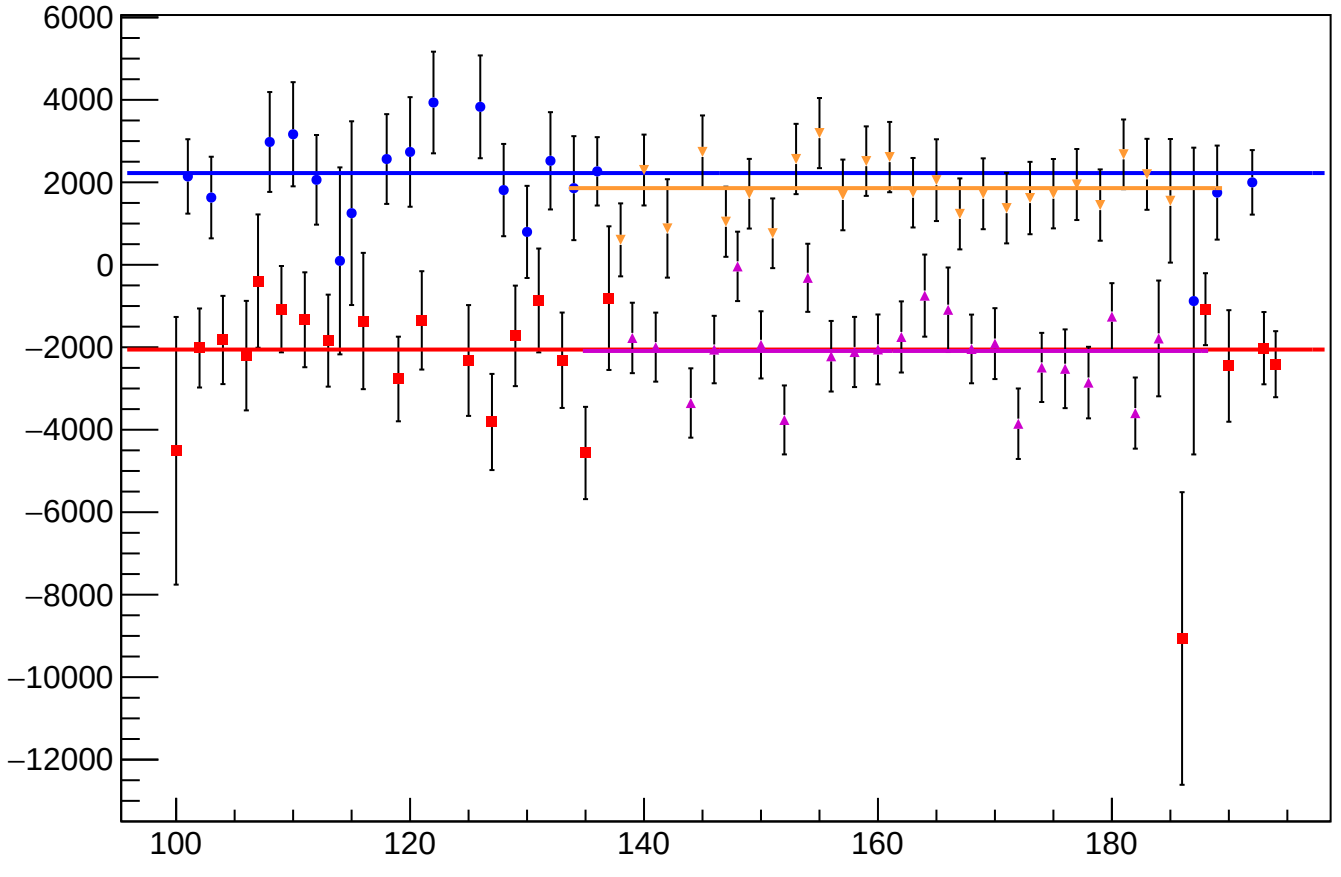
+ sign 1312.984+/-0.182 χ^2/NDF: 2168831.4/42

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

- sign 1341.660+/-0.180 χ^2/NDF: 2318943.5/45



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

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

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

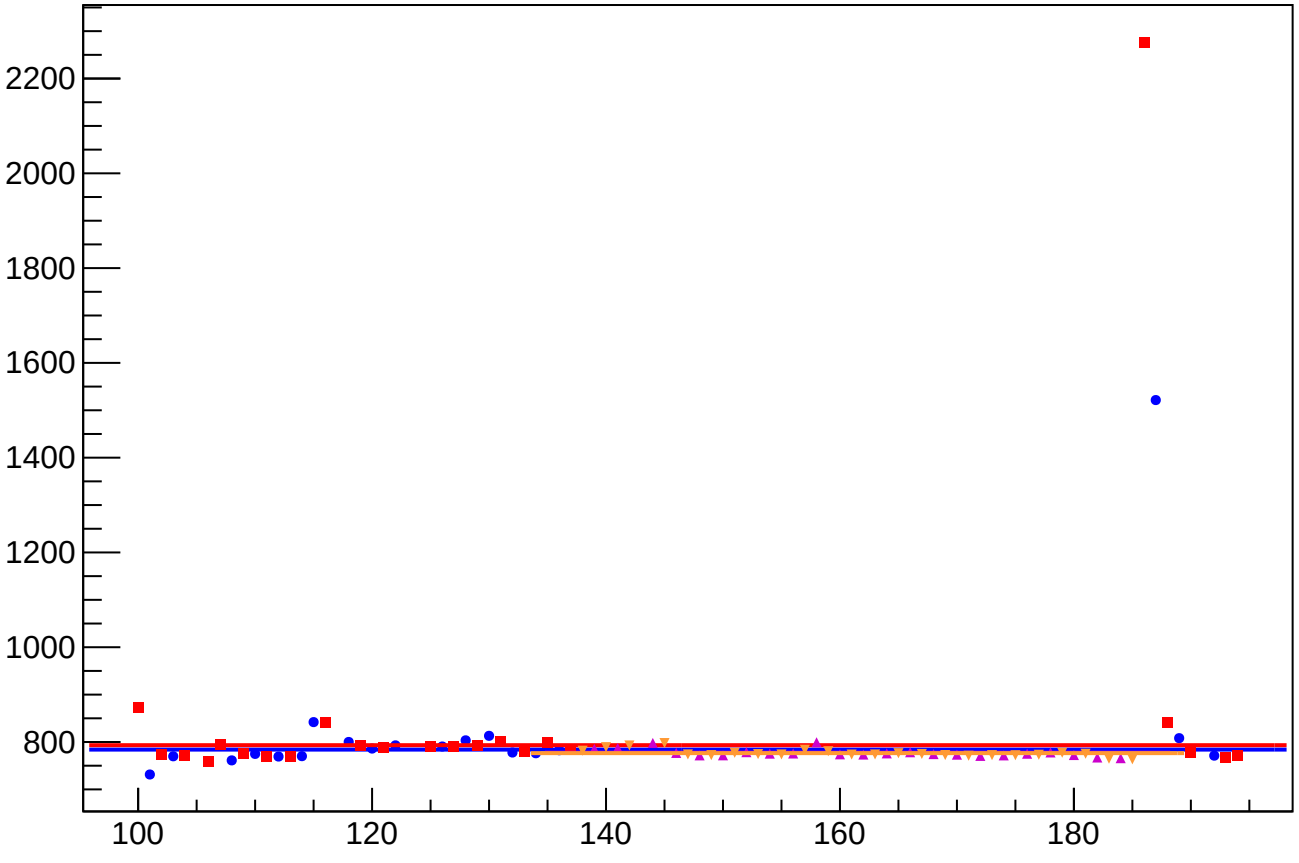
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

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

All: -93.399+/-104.093 χ^2/NDF: 450.8/88

- sign -2077.370+/-145.687 χ^2/NDF: 47.9/45

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

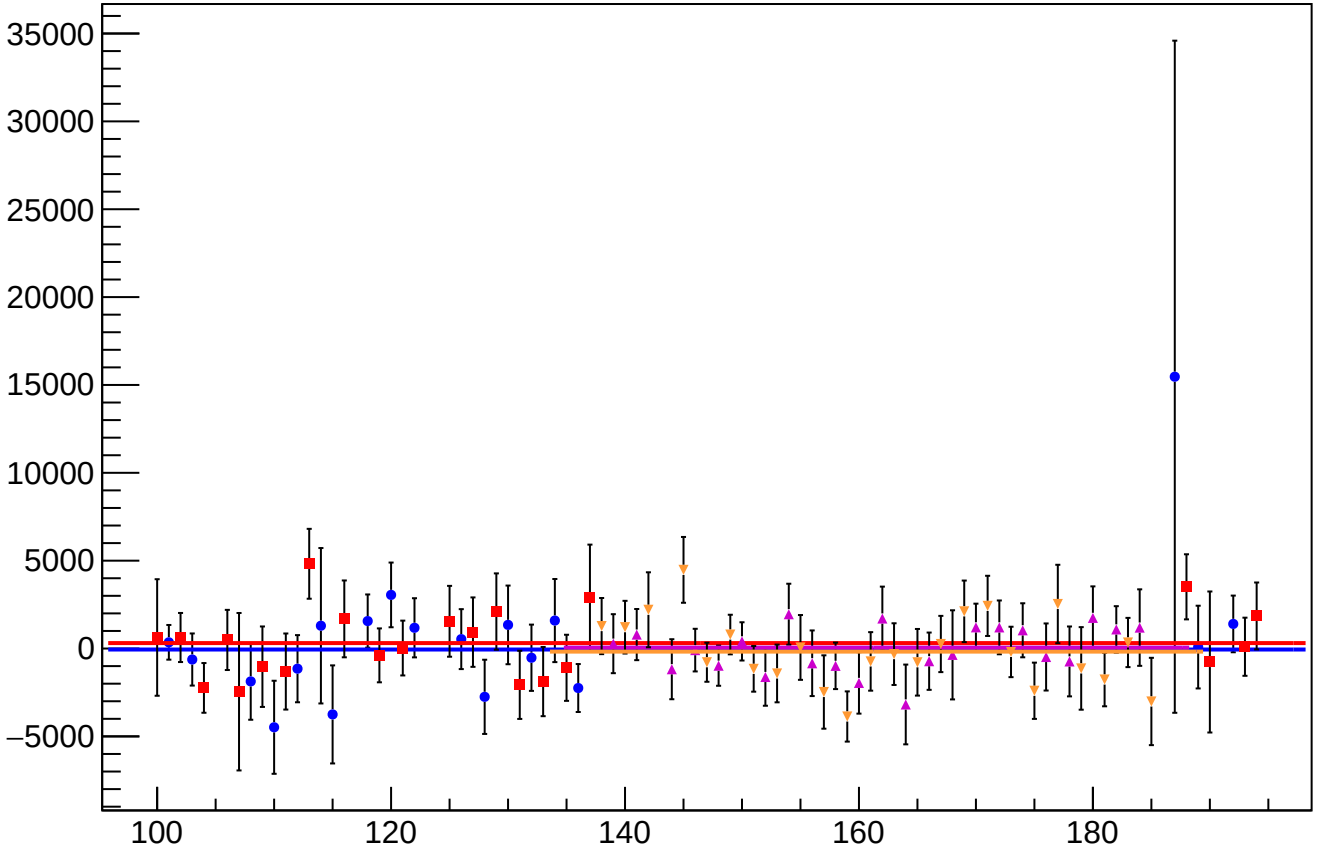
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

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

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

- sign 783.062+/-0.103 χ^2/NDF: 377290.9/45

asym_us_avg_overload_cor_correction_mean vs Slug



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

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

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

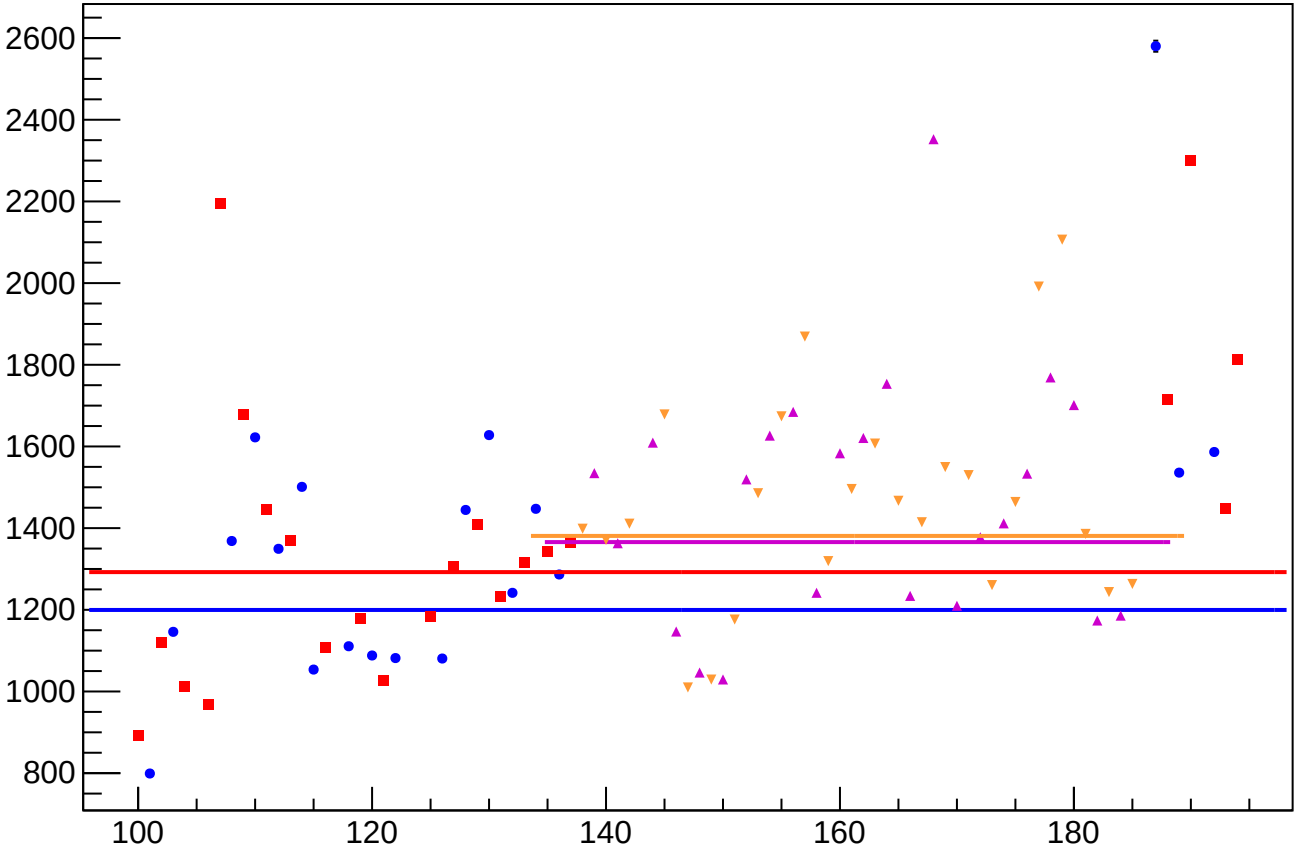
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

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

All: 11.720+/-181.899 χ^2/NDF: 80.0/87

- sign 151.160+/-256.302 χ^2/NDF: 32.5/44

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

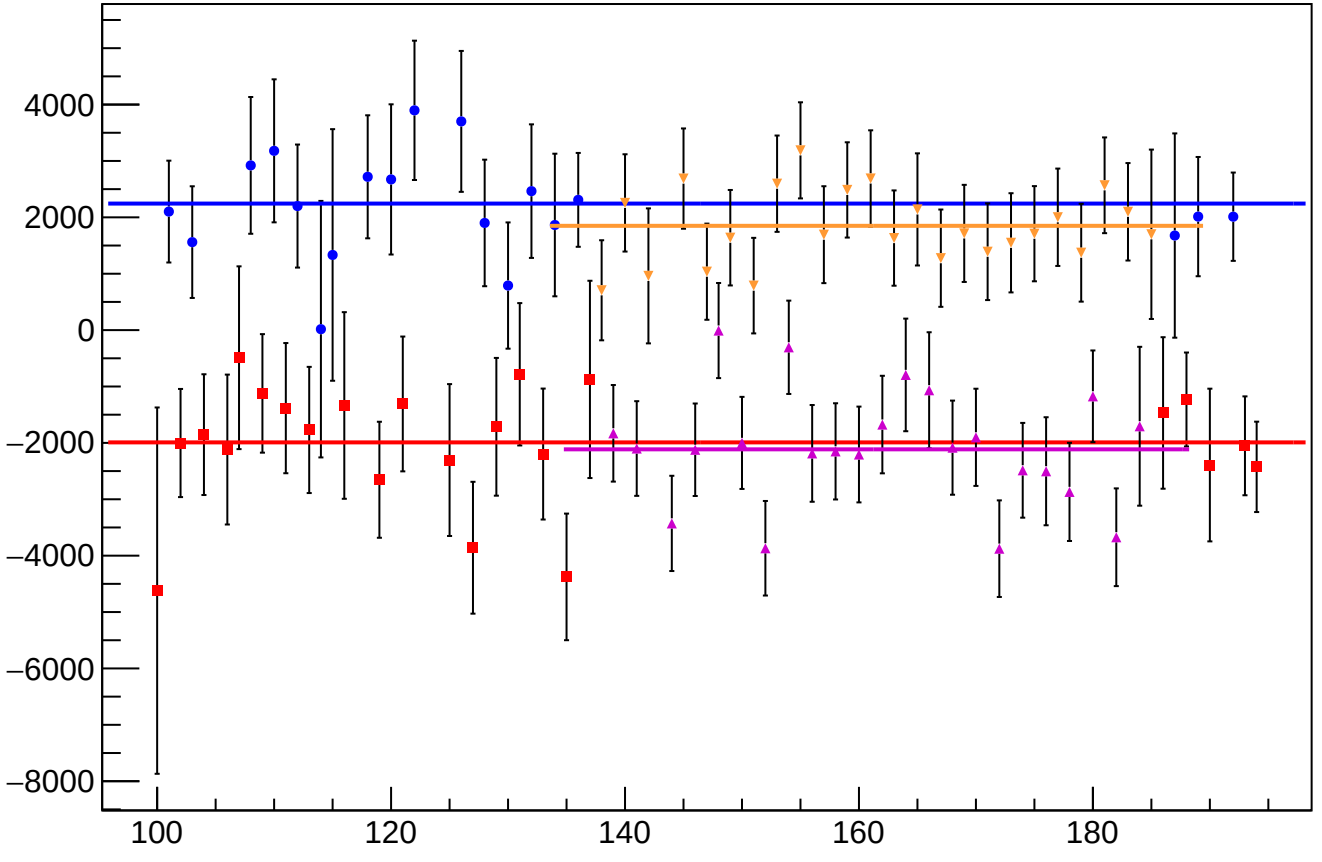
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

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

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

- sign 1337.714+/-0.181 χ^2/NDF: 2205060.2/44

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

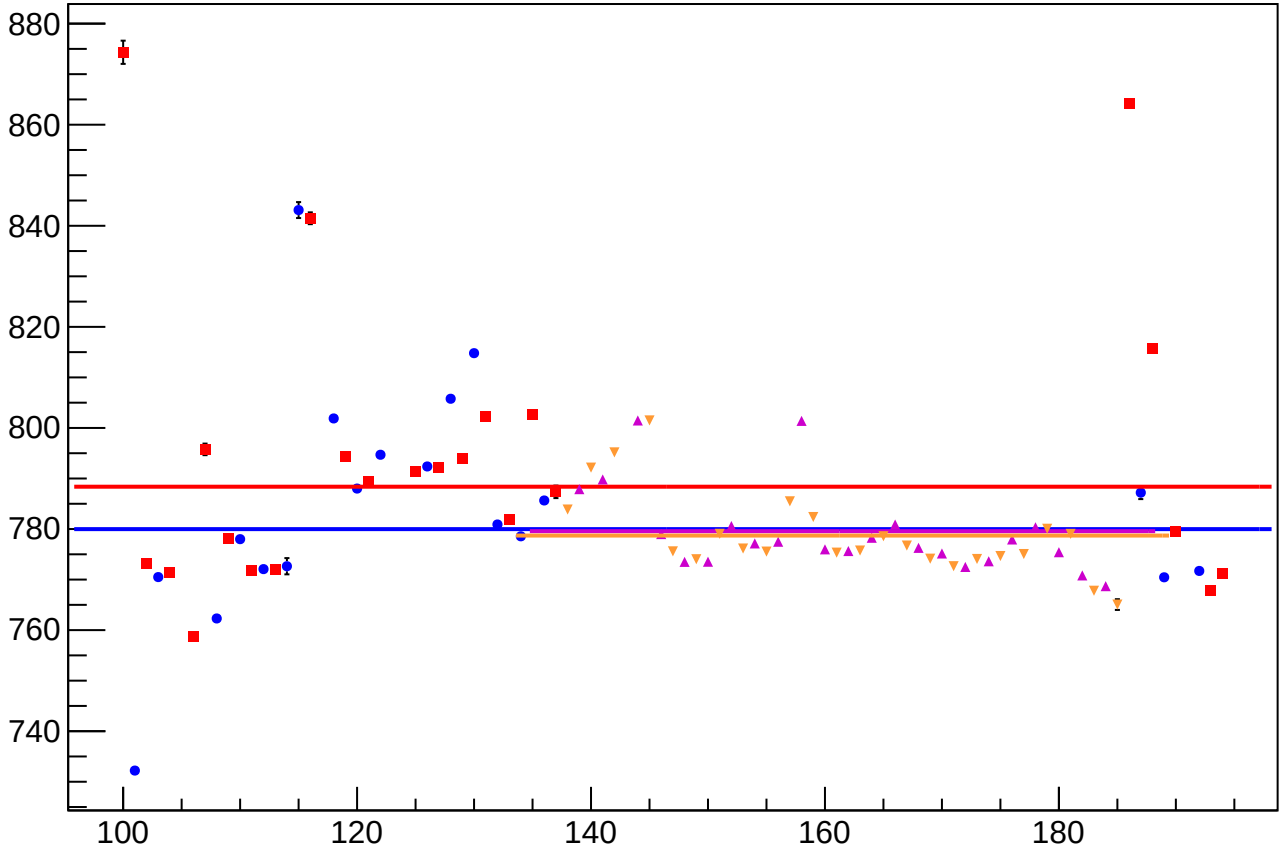
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

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

All: -93.723+/-103.816 χ^2/NDF: 446.7/88

- sign -2069.496+/-145.117 χ^2/NDF: 44.6/45

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: 788.375+/-0.170 χ^2/NDF: 17945.1/22

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

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

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

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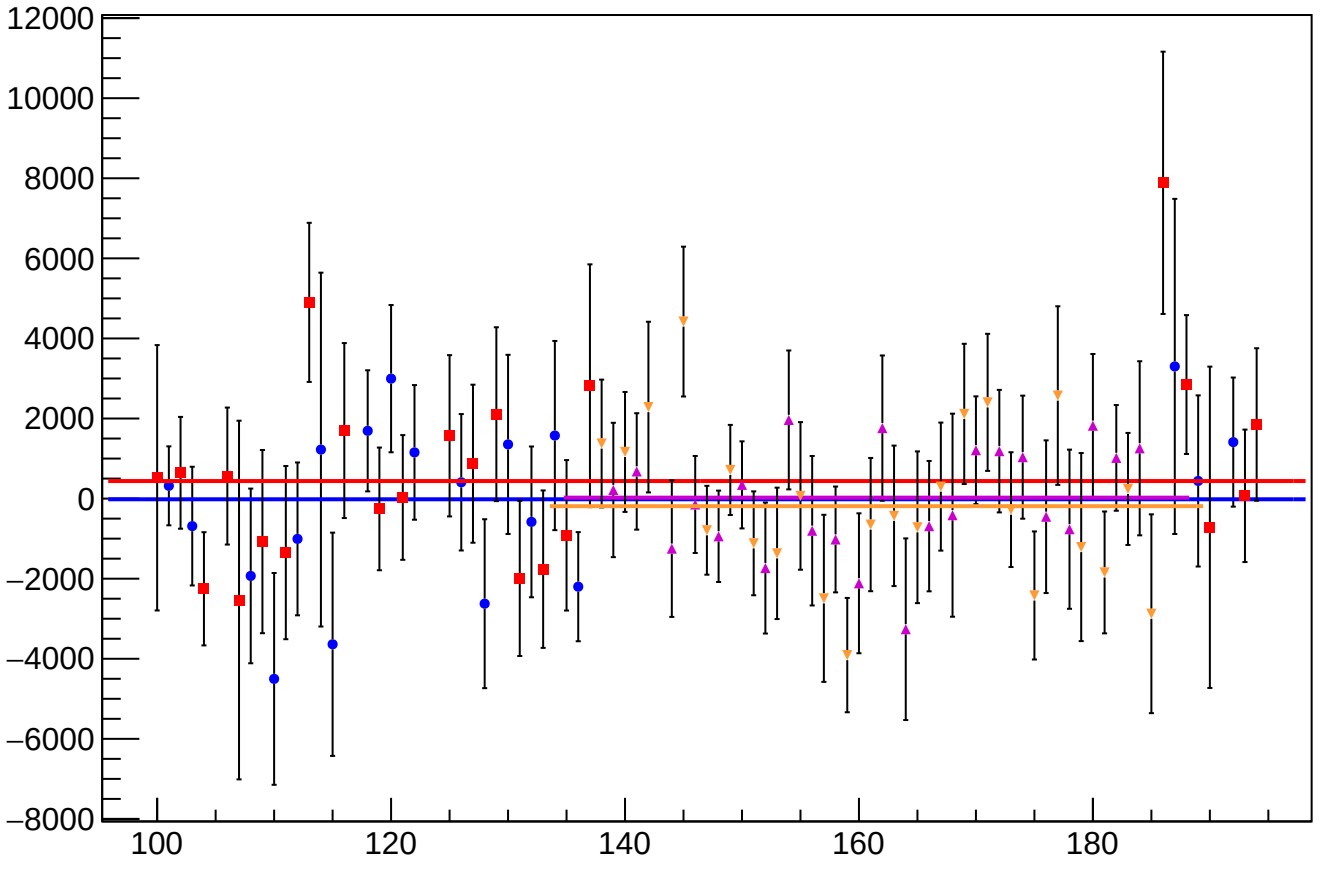
asym_us_avg_eigen_cor_correction_mean vs Slug
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
Right In: -16.897+/-414.940 χ²/NDF: 17.0/18
Left Out: -189.006+/-327.675 χ²/NDF:29.6/23
Right Out: 438.453+/-409.493 χ²/NDF: 23.6/22
Left In: 23.750+/-325.809 χ²/NDF:13.5/22
+ sign -122.901+/-257.159 χ²/NDF: 46.7/42
All: 32.127+/-181.055 χ²/NDF: 85.1/88
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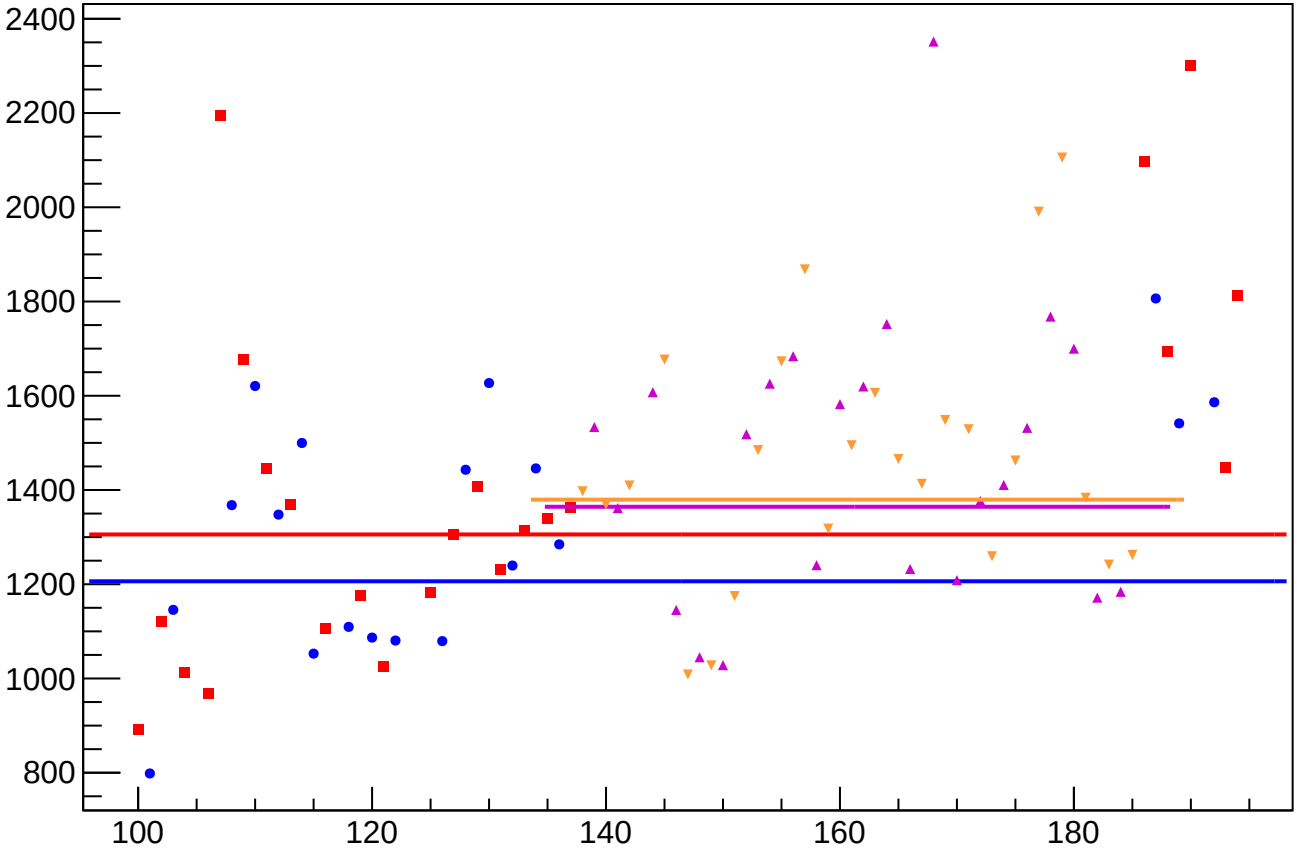
asym_us_avg_eigen_cor_correction_rms vs Slug



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

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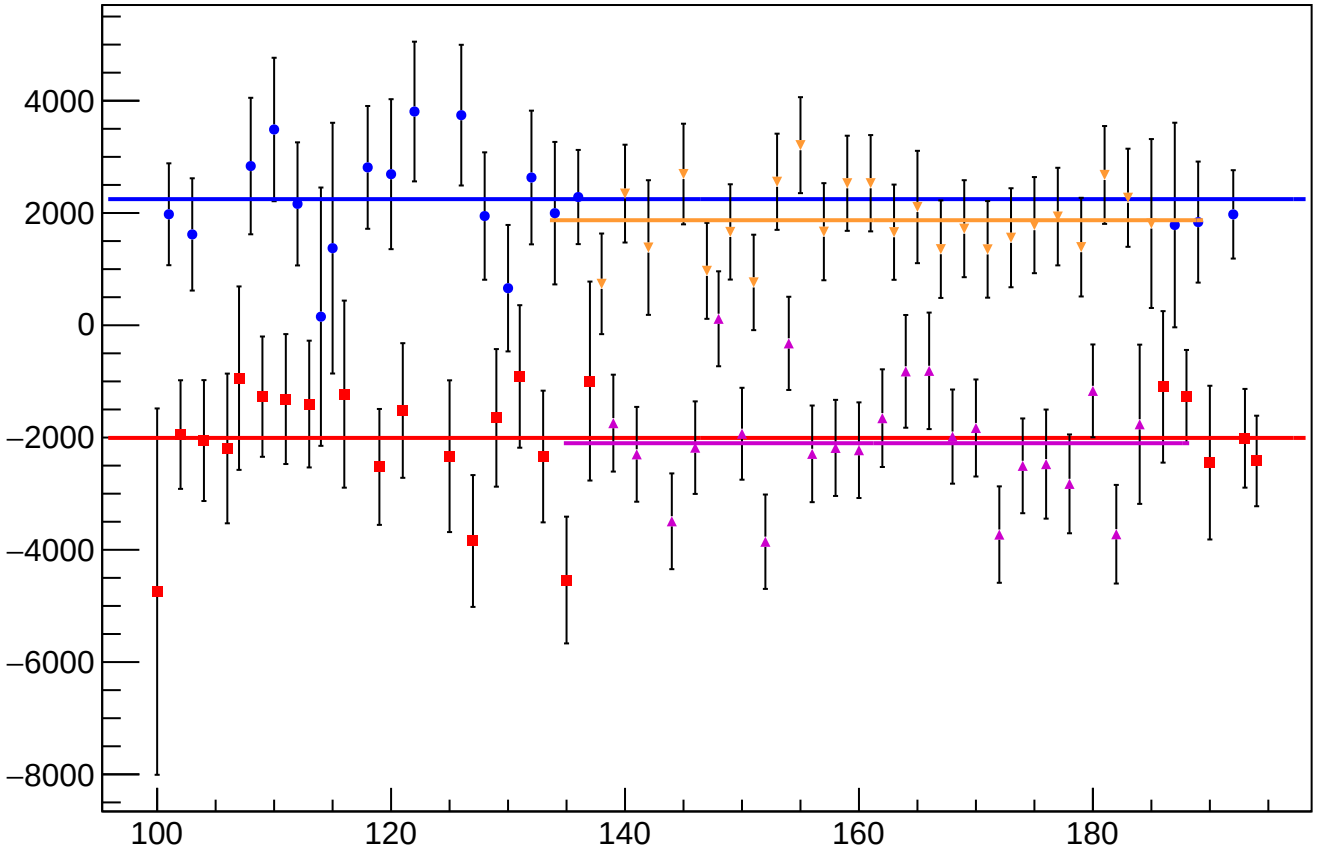
+ sign 1312.984+/-0.182 χ^2/NDF: 2168831.4/42

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

- sign 1341.660+/-0.180 χ^2/NDF: 2318943.5/45

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

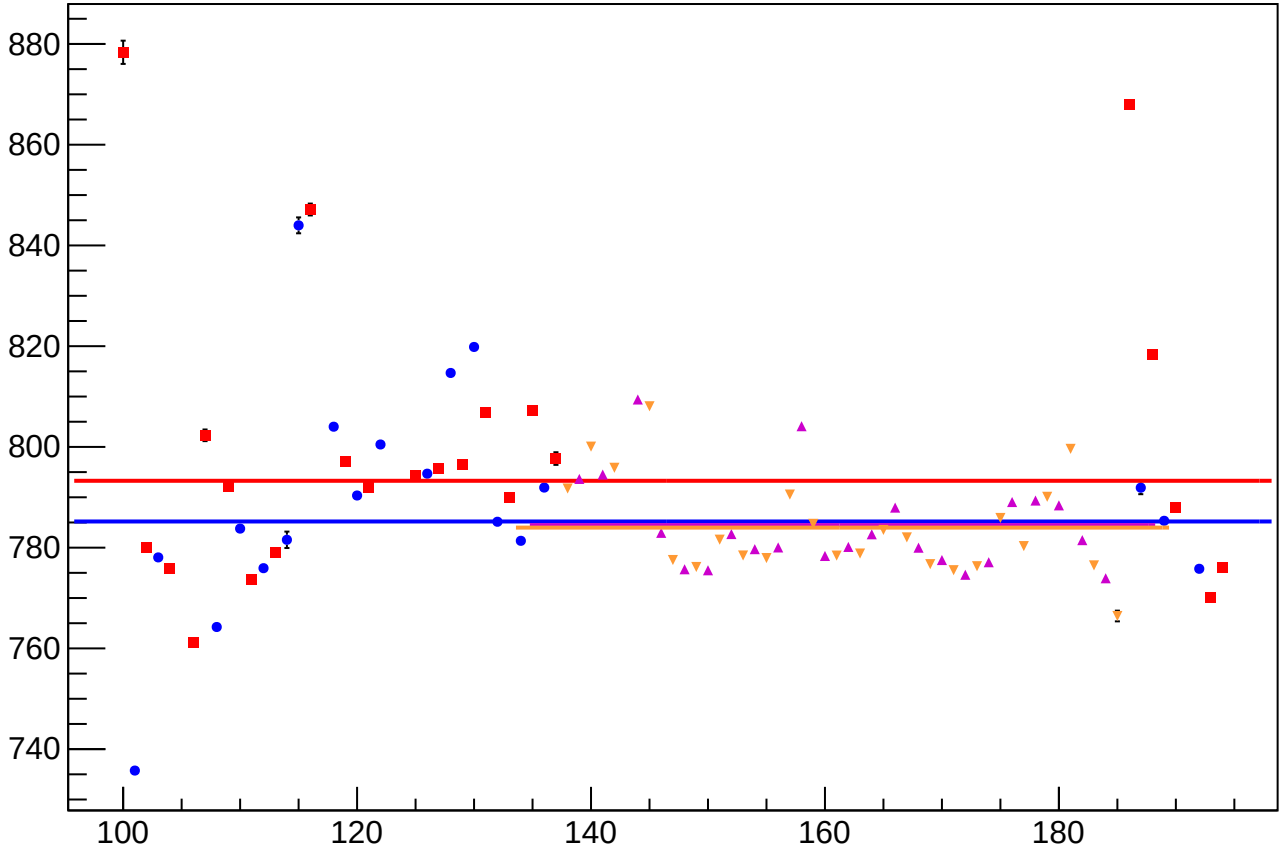
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

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

All: -85.585+/-104.497 χ^2/NDF: 444.7/88

- sign -2066.683+/-146.034 χ^2/NDF: 45.1/45

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: 793.276+/-0.171 χ^2/NDF: 17340.4/22

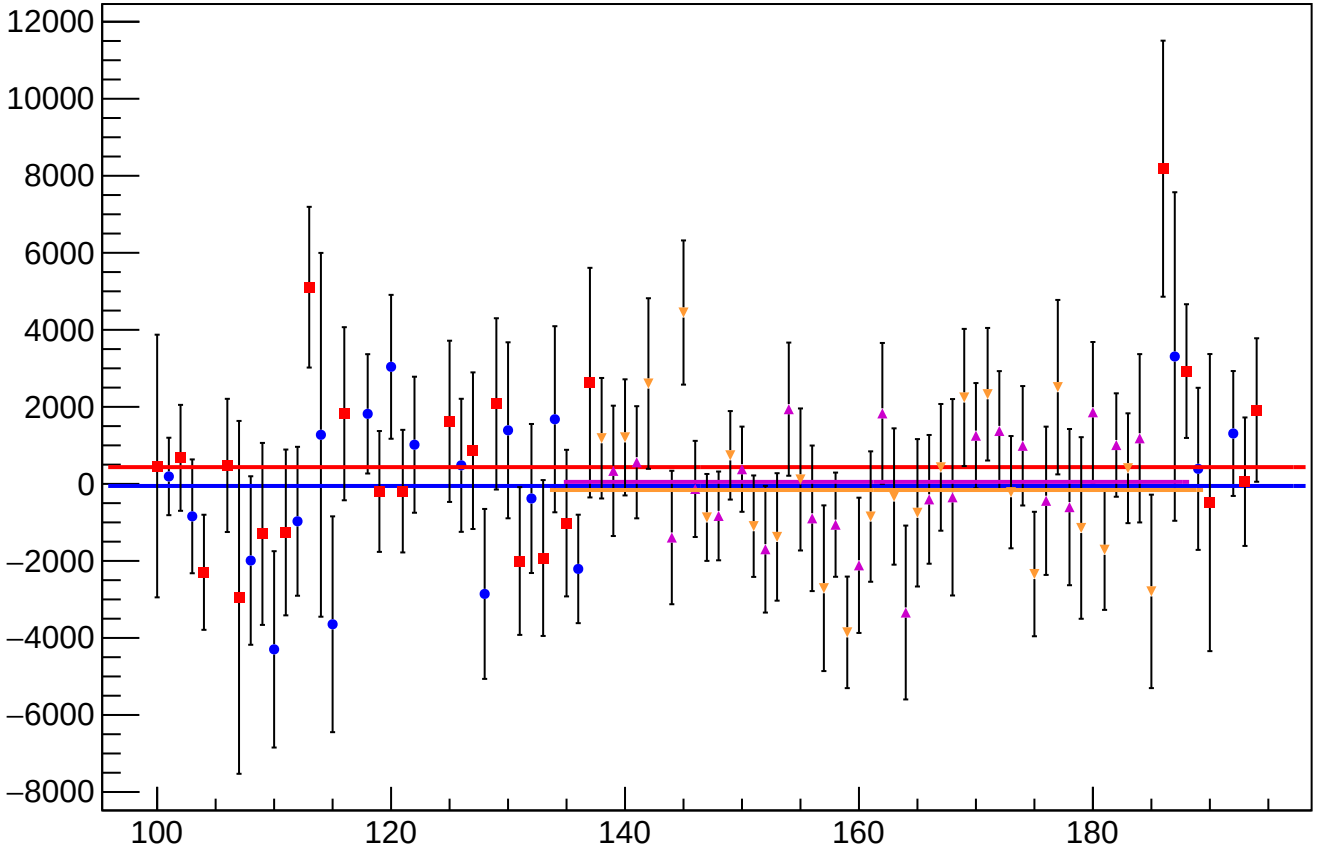
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

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

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

- sign 787.681+/-0.103 χ^2/NDF: 23951.6/45

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: 435.242+/-415.861 χ^2/NDF: 24.0/22

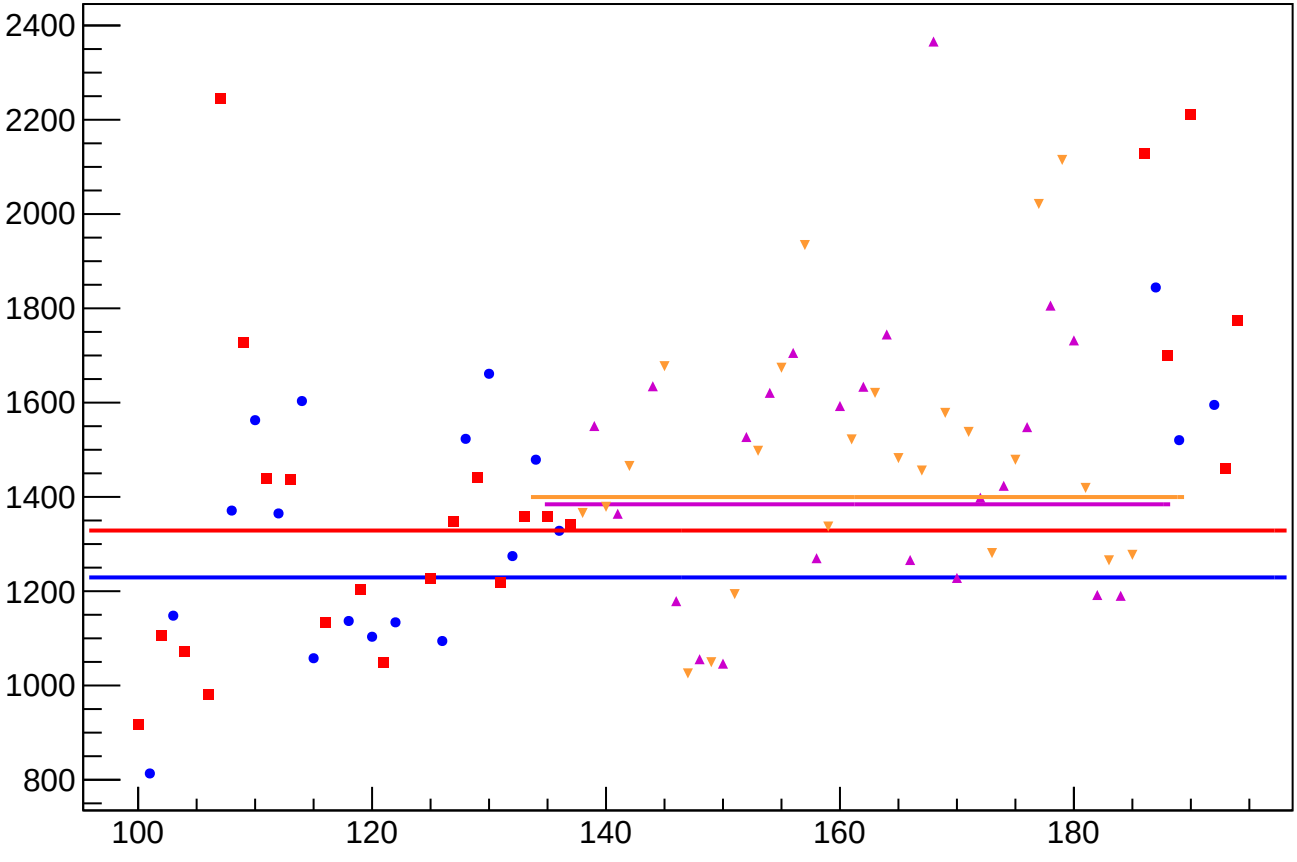
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

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

All: 42.123+/-183.726 χ^2/NDF: 84.7/88

- sign 200.179+/-258.599 χ^2/NDF: 38.0/45

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

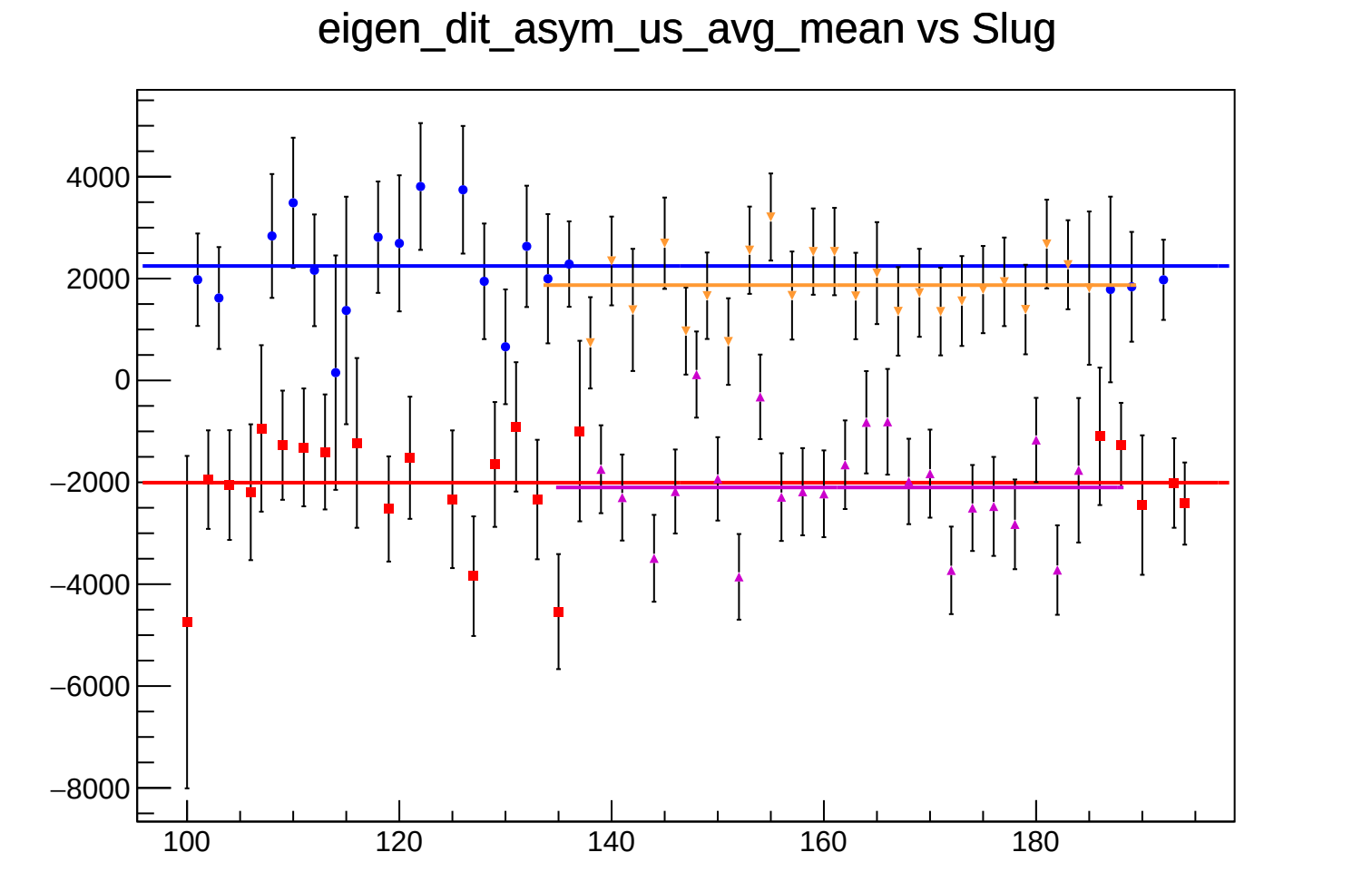
Right Out: 1328.697+/-0.294 χ^2/NDF: 914880.8/22

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

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

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

- sign 1362.820+/-0.183 χ^2/NDF: 2206772.4/45


eigen_dit_asym_us_avg_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
Right In: 2247.111+/-262.710 χ²/NDF: 8.6/18
Left Out: 1871.455+/-181.976 χ²/NDF:12.5/23
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+ sign 1993.258+/-149.593 χ²/NDF: 22.4/42
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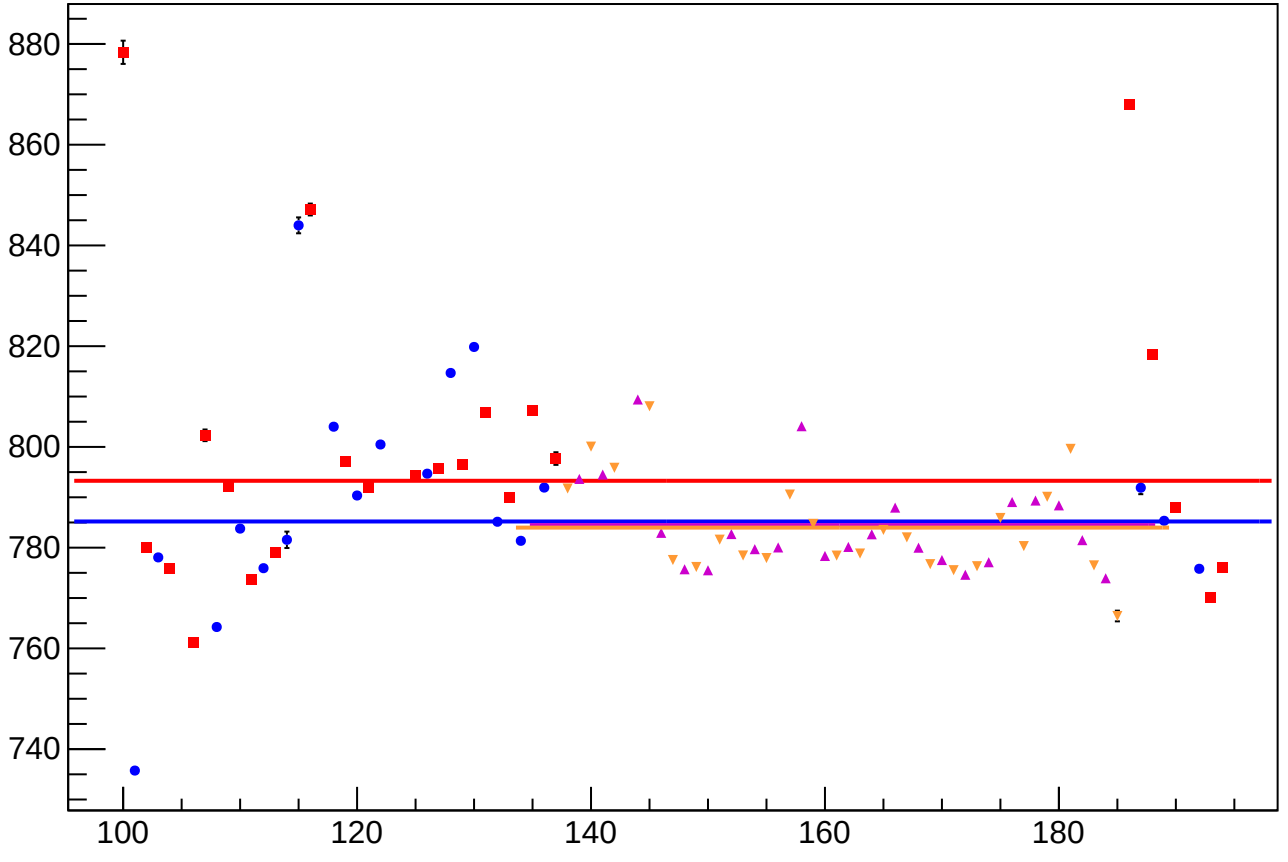
eigen_dit_asym_us_avg_rms vs Slug



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

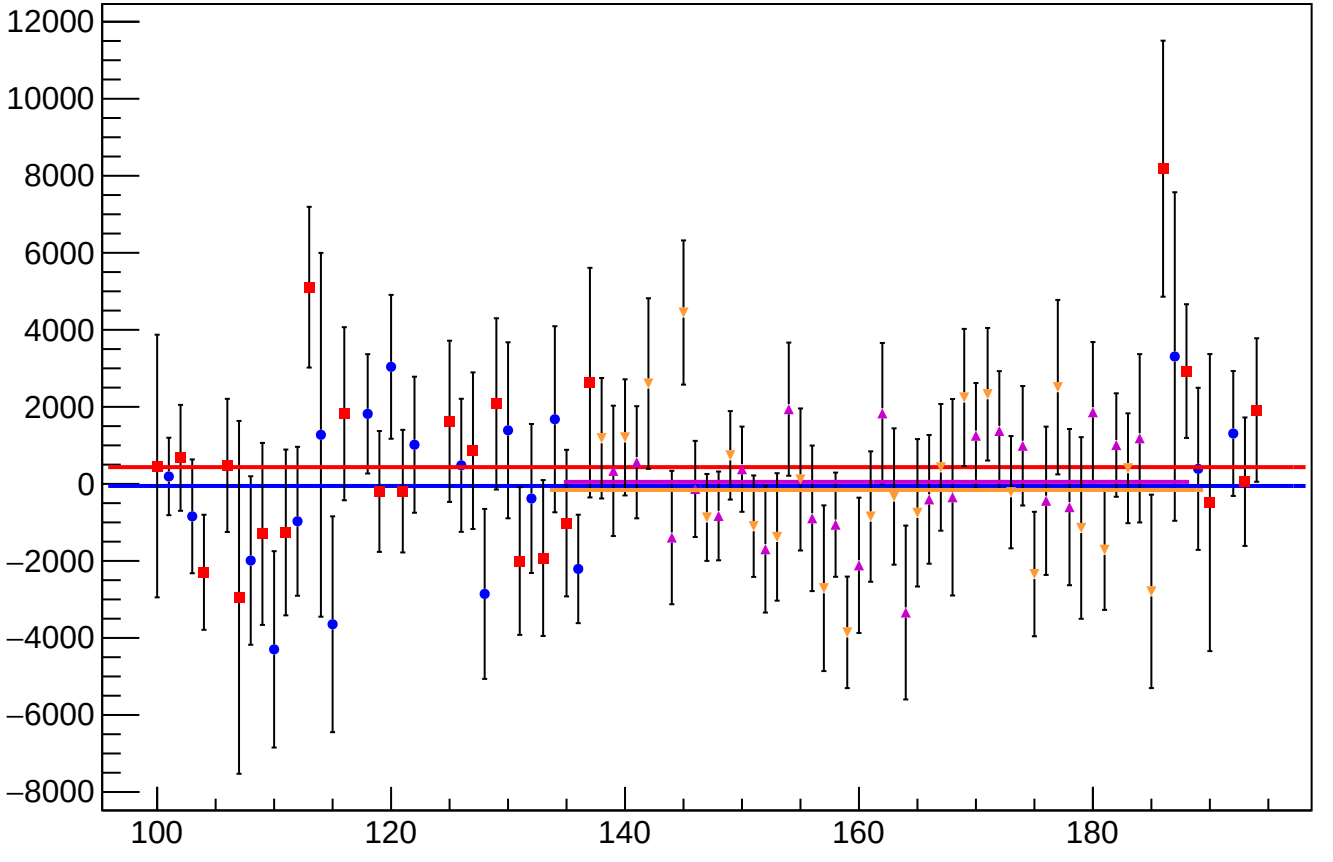
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

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

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

- sign 787.681+/-0.103 χ^2/NDF: 23951.5/45

asym_us_avg_eigen_dit_correction_mean vs Slug



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

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

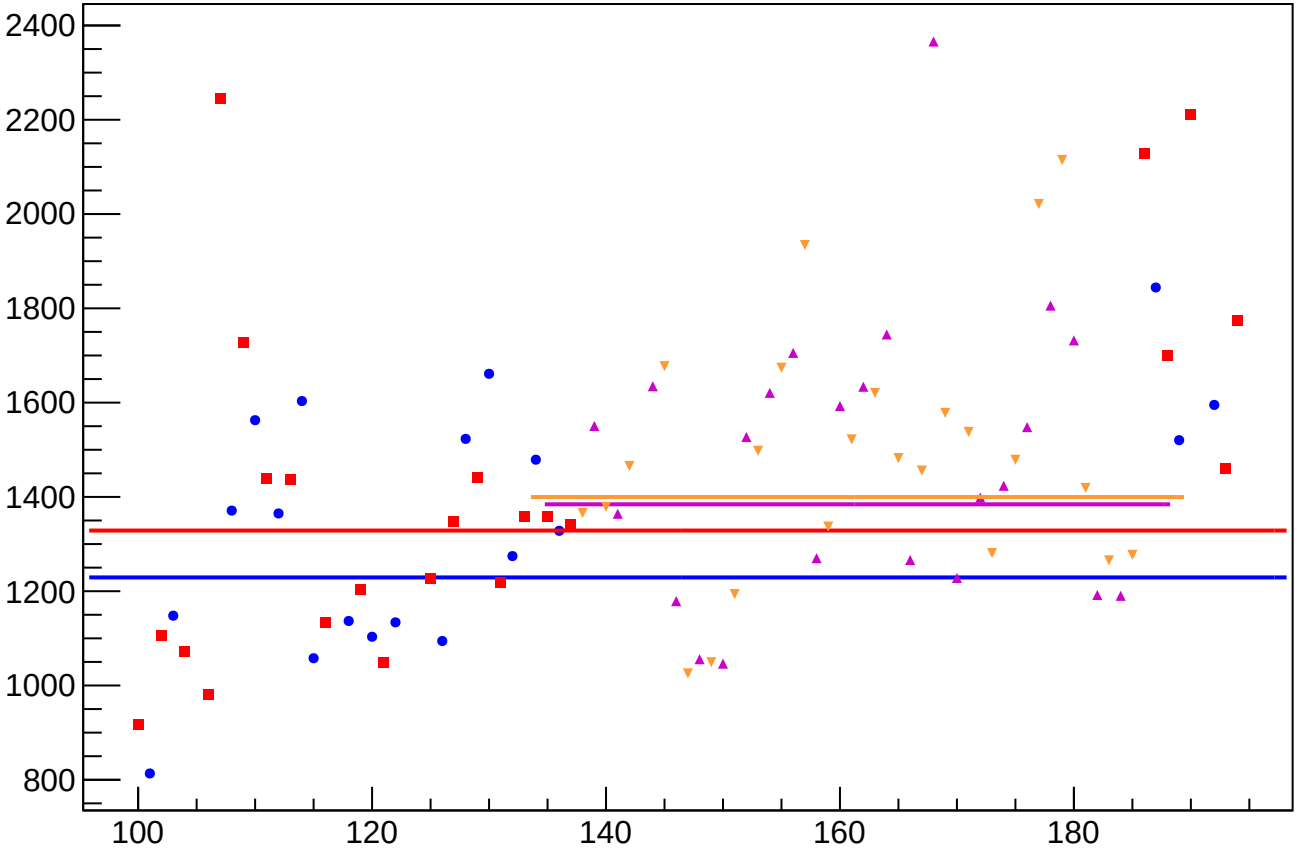
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

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

All: 42.122+/-183.726 χ^2/NDF: 84.7/88

- sign 200.178+/-258.599 χ^2/NDF: 38.0/45

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

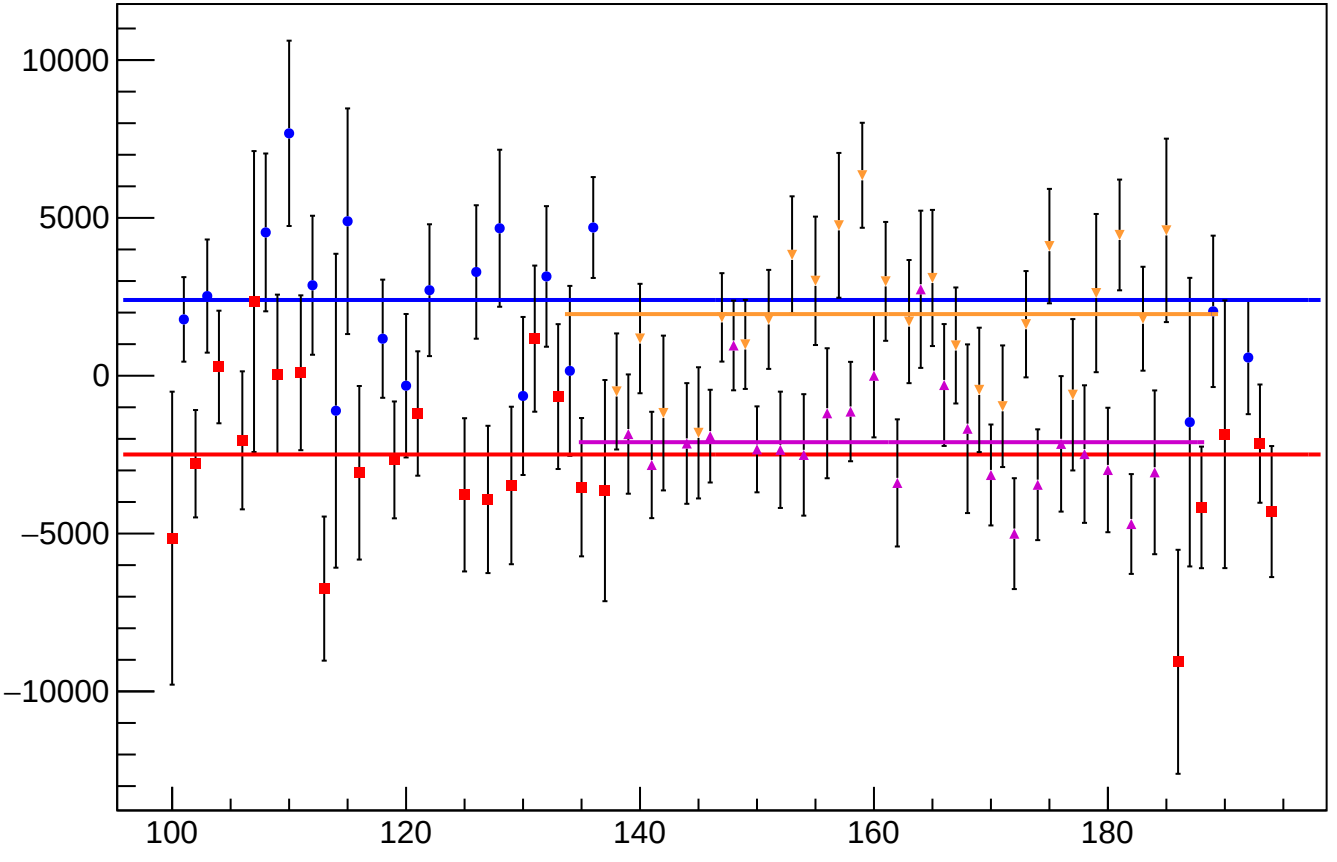
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

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

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

- sign 1362.820+/-0.183 χ^2/NDF: 2206782.3/45

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

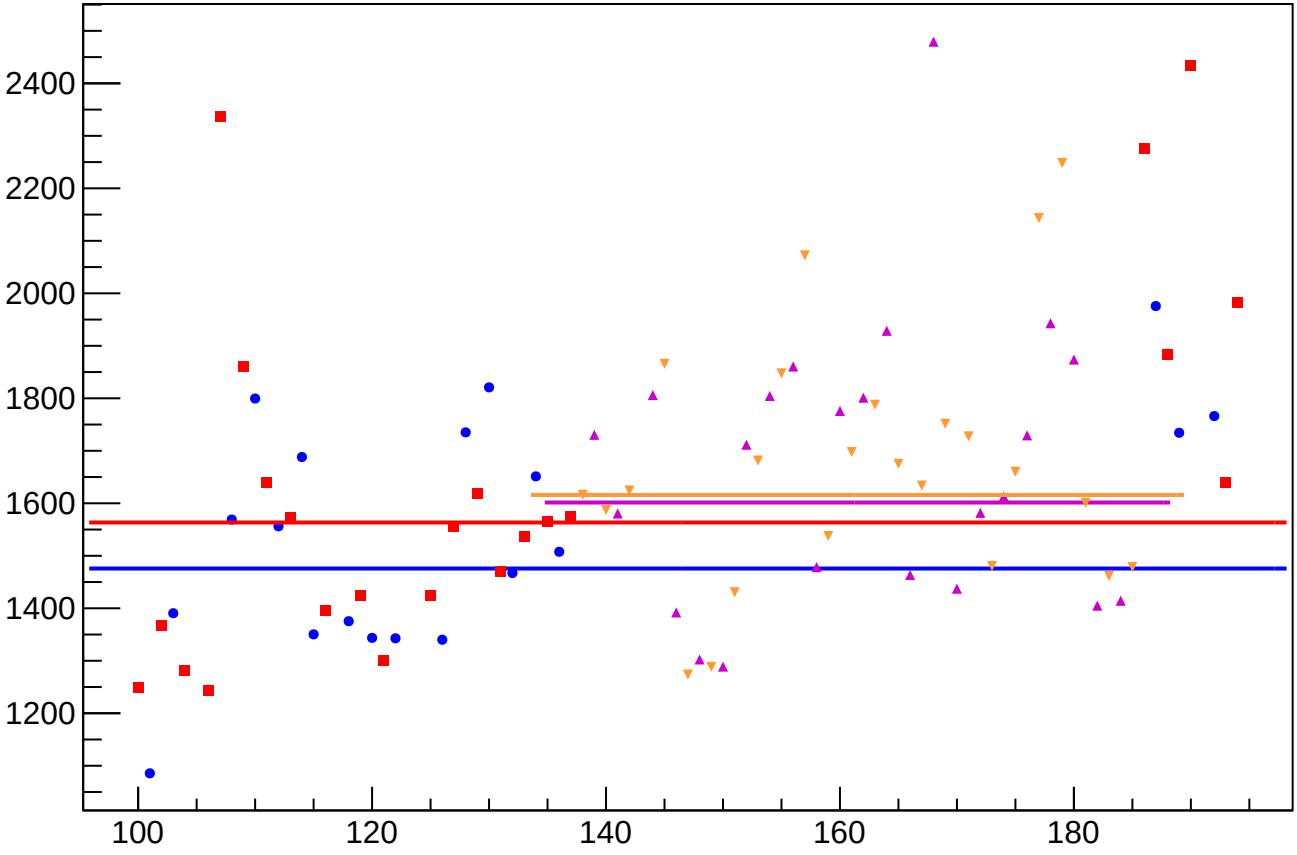
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

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

All: -99.814+/-212.620 χ^2/NDF: 185.8/88

- sign -2253.224+/-298.566 χ^2/NDF: 38.2/45

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

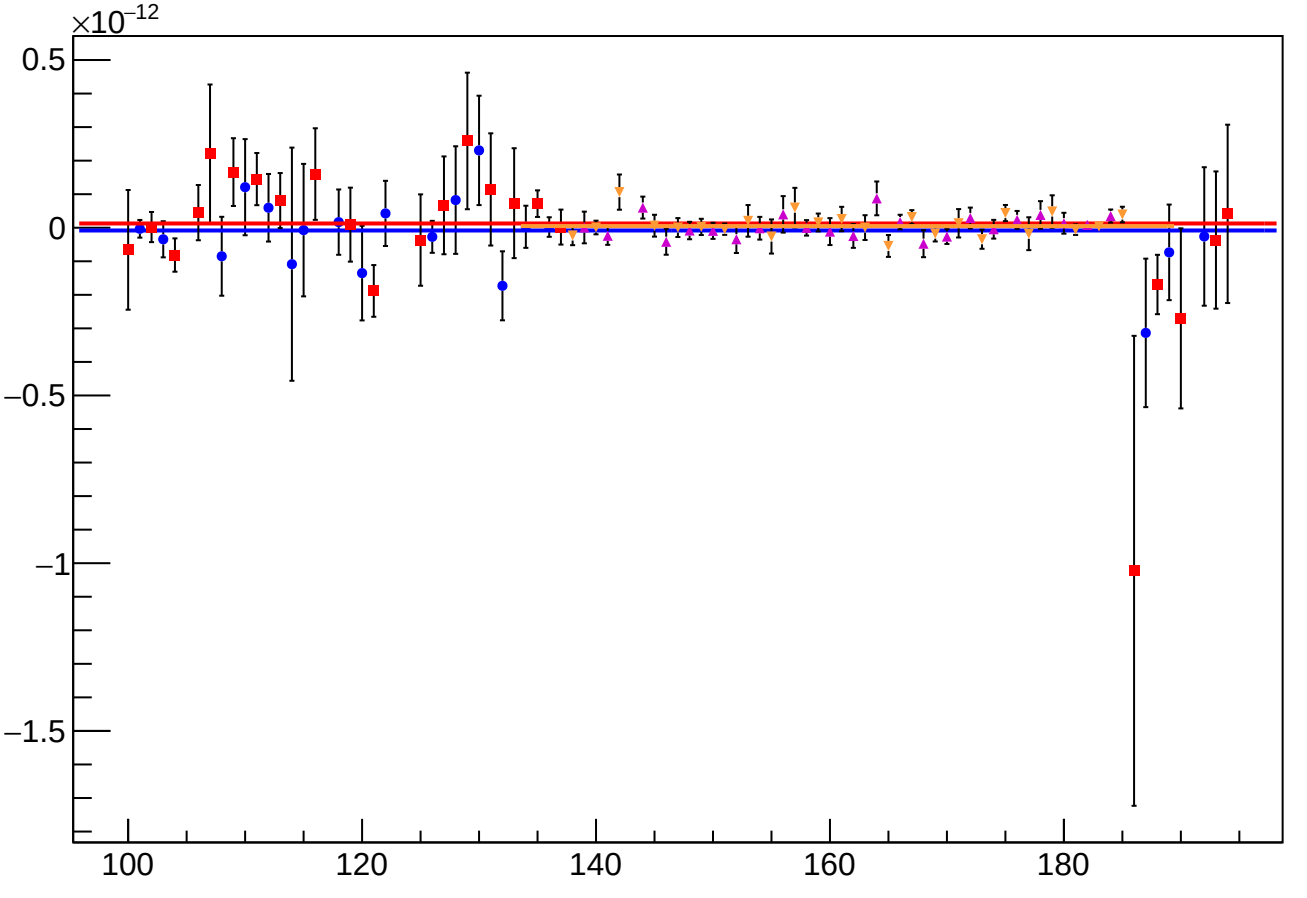
Right Out: 1563.423+/-0.343 χ^2/NDF: 579921.5/22

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

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

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

- sign 1587.044+/-0.211 χ^2/NDF: 1381303.2/45



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

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

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

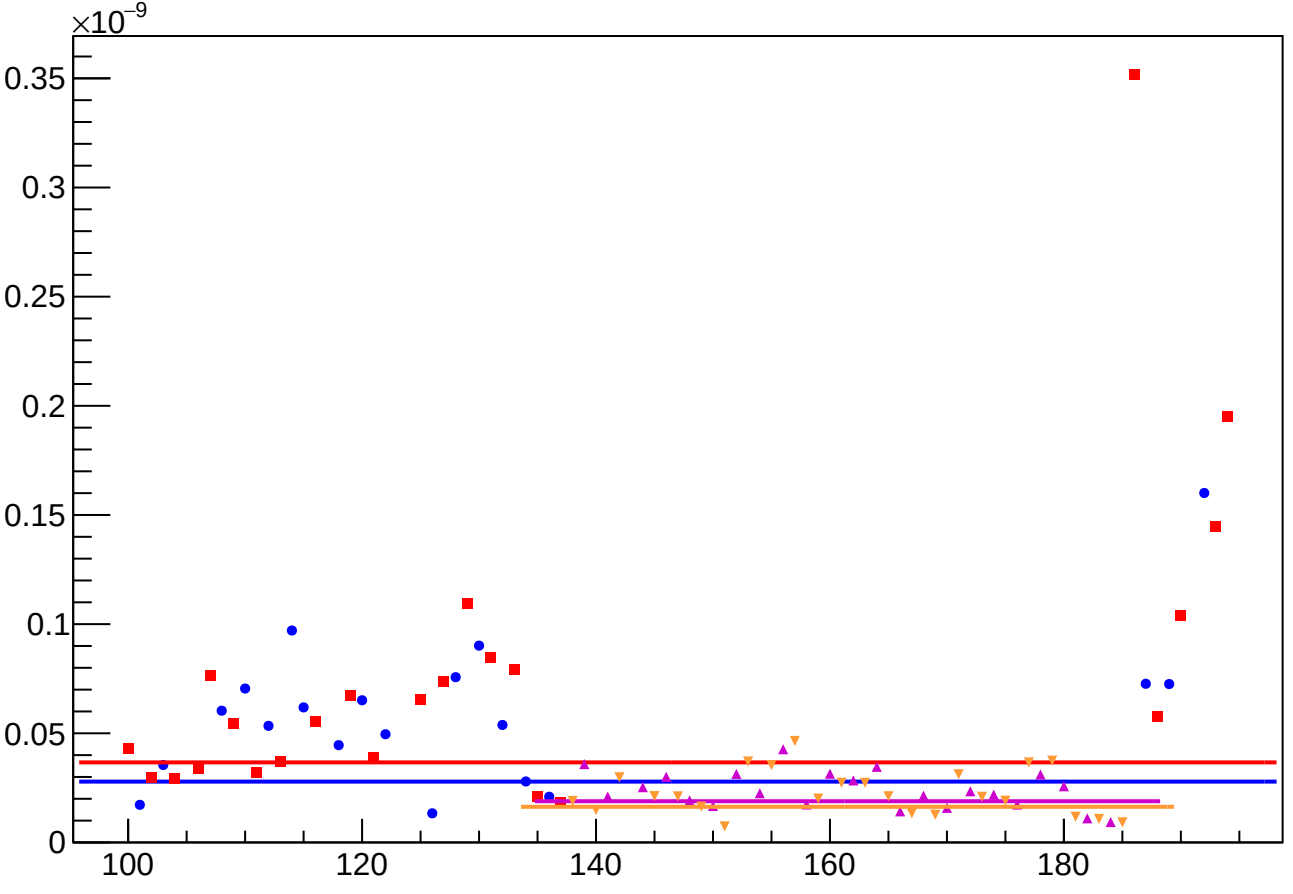
Left In: 0.000+/-0.000 χ^2/NDF:19.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.4/42

All: 0.000+/-0.000 χ^2/NDF: 82.9/88

- sign 0.000+/-0.000 χ^2/NDF: 50.5/45

asym_us_avg_reg_vs_cor_diff_rms vs Slug



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

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

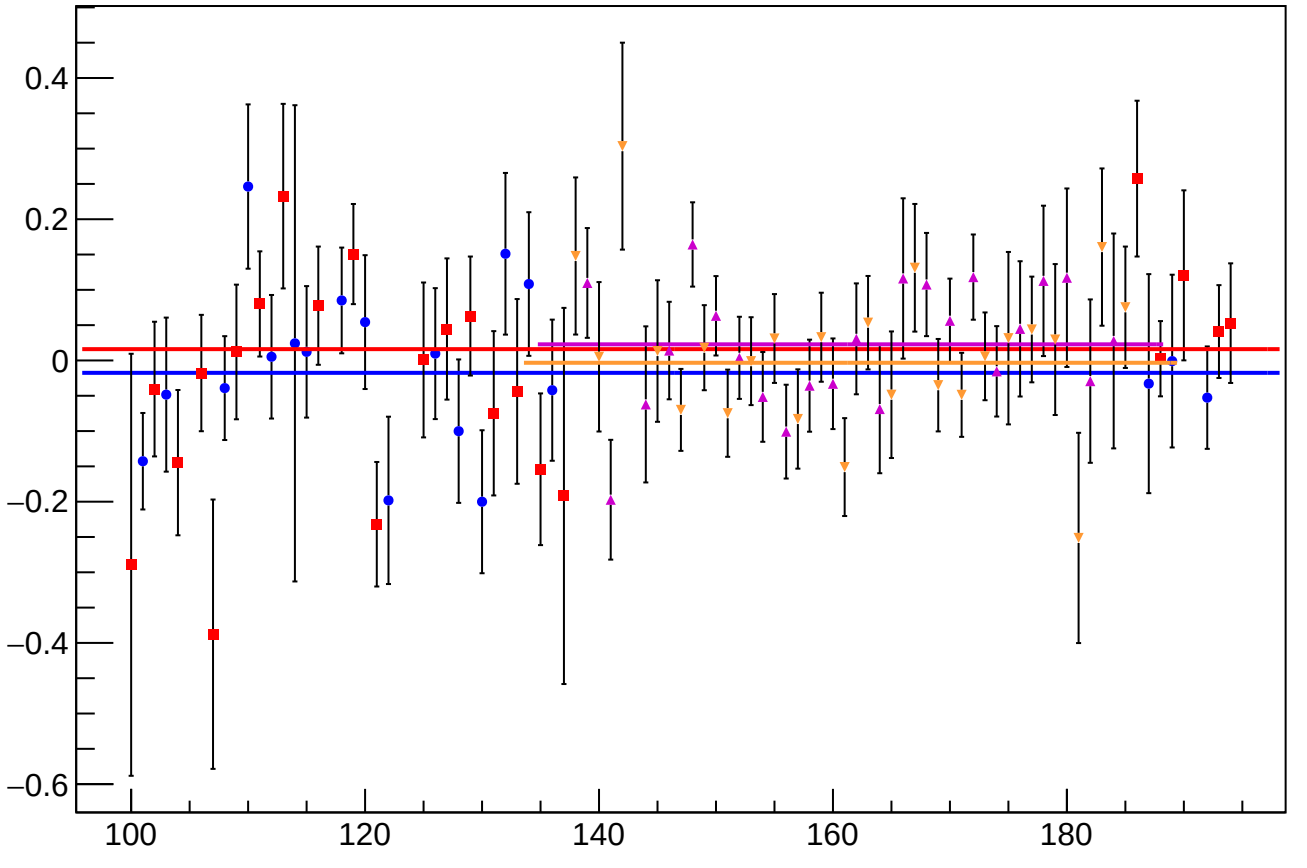
Right Out: 0.000+/-0.000 χ^2/NDF: 3680172.6/22

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

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

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

- sign 0.000+/-0.000 χ^2/NDF: 8767177.0/45



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

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

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

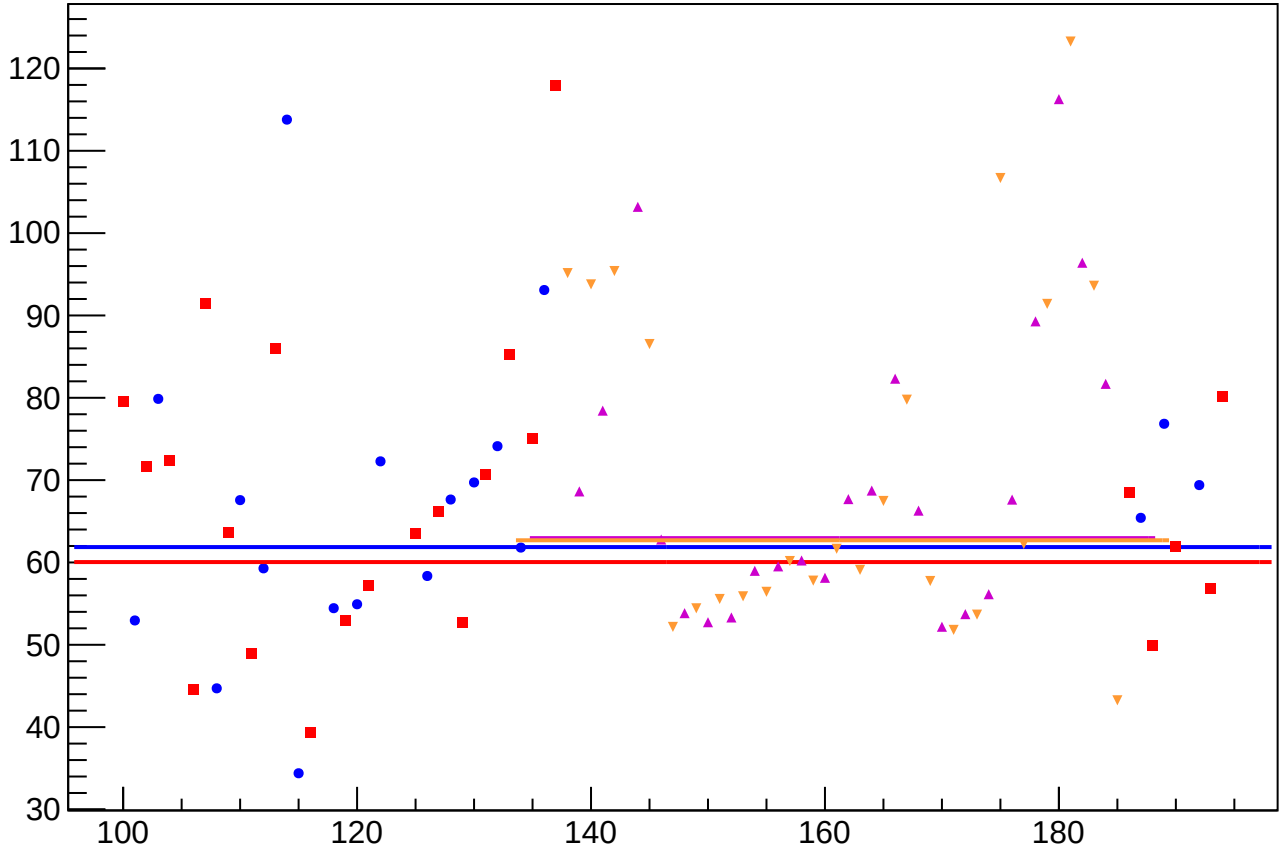
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

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

All: 0.007+/-0.009 χ^2/NDF: 113.7/88

- sign 0.020+/-0.012 χ^2/NDF: 63.3/45

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

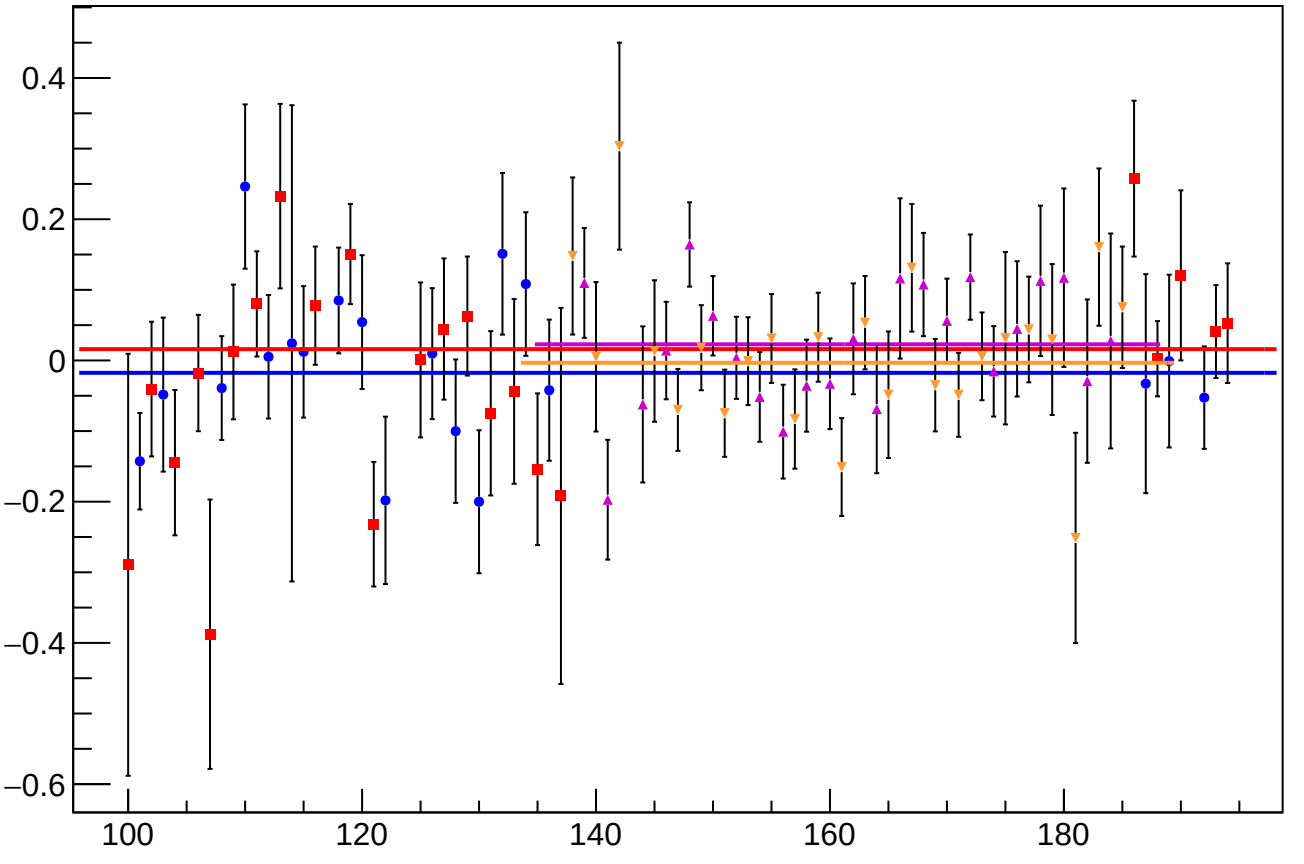
Right Out: 60.047+/-0.014 χ^2/NDF: 913526.9/22

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

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

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

- sign 61.827+/-0.009 χ^2/NDF: 2371290.0/45



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

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

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

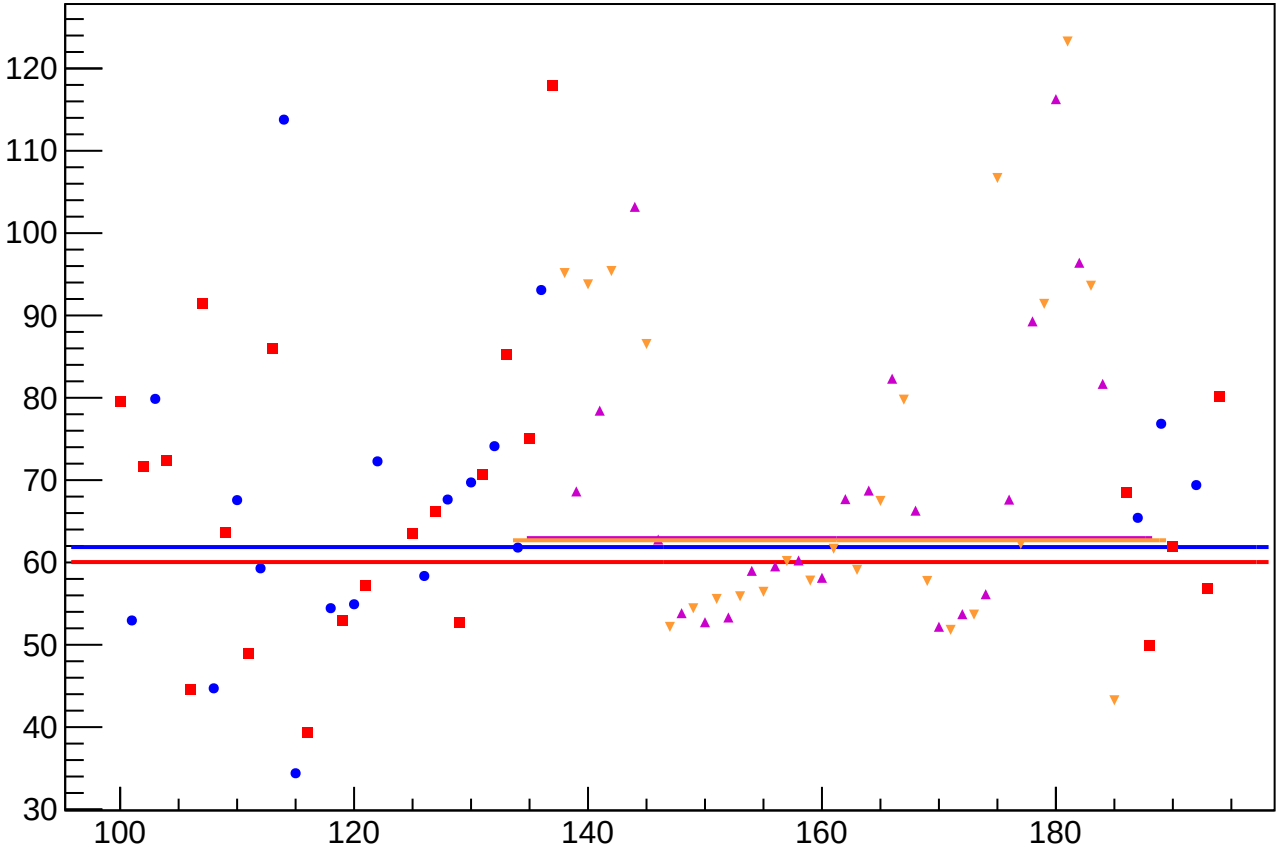
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

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

All: 0.007+/-0.009 χ^2/NDF: 113.7/88

- sign 0.020+/-0.012 χ^2/NDF: 63.3/45

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

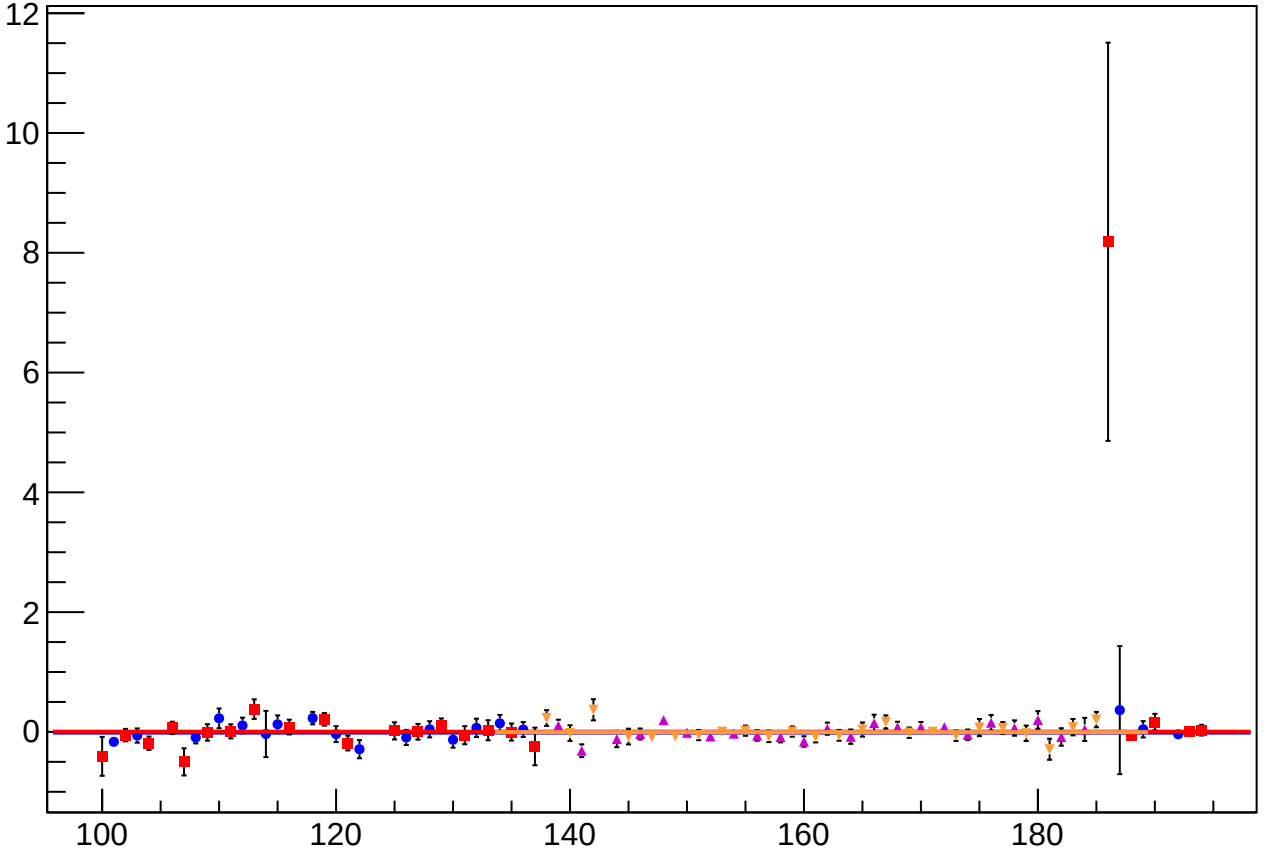
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

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

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

- sign 61.827+/-0.009 χ^2/NDF: 2371290.0/45

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: 0.004+/-0.025 χ^2/NDF: 32.1/22

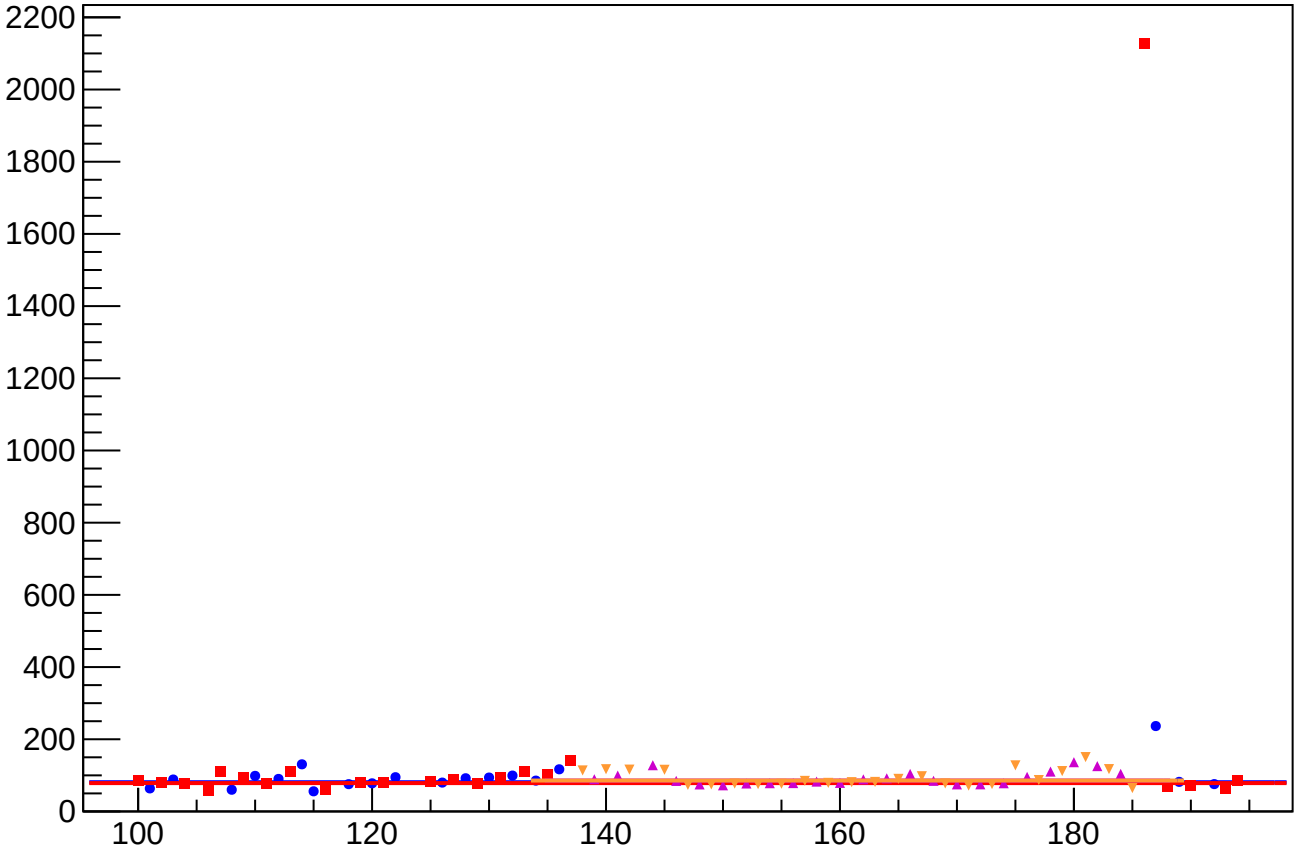
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

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

All: -0.003+/-0.012 χ^2/NDF: 104.7/88

- sign 0.000+/-0.016 χ^2/NDF: 62.6/45

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

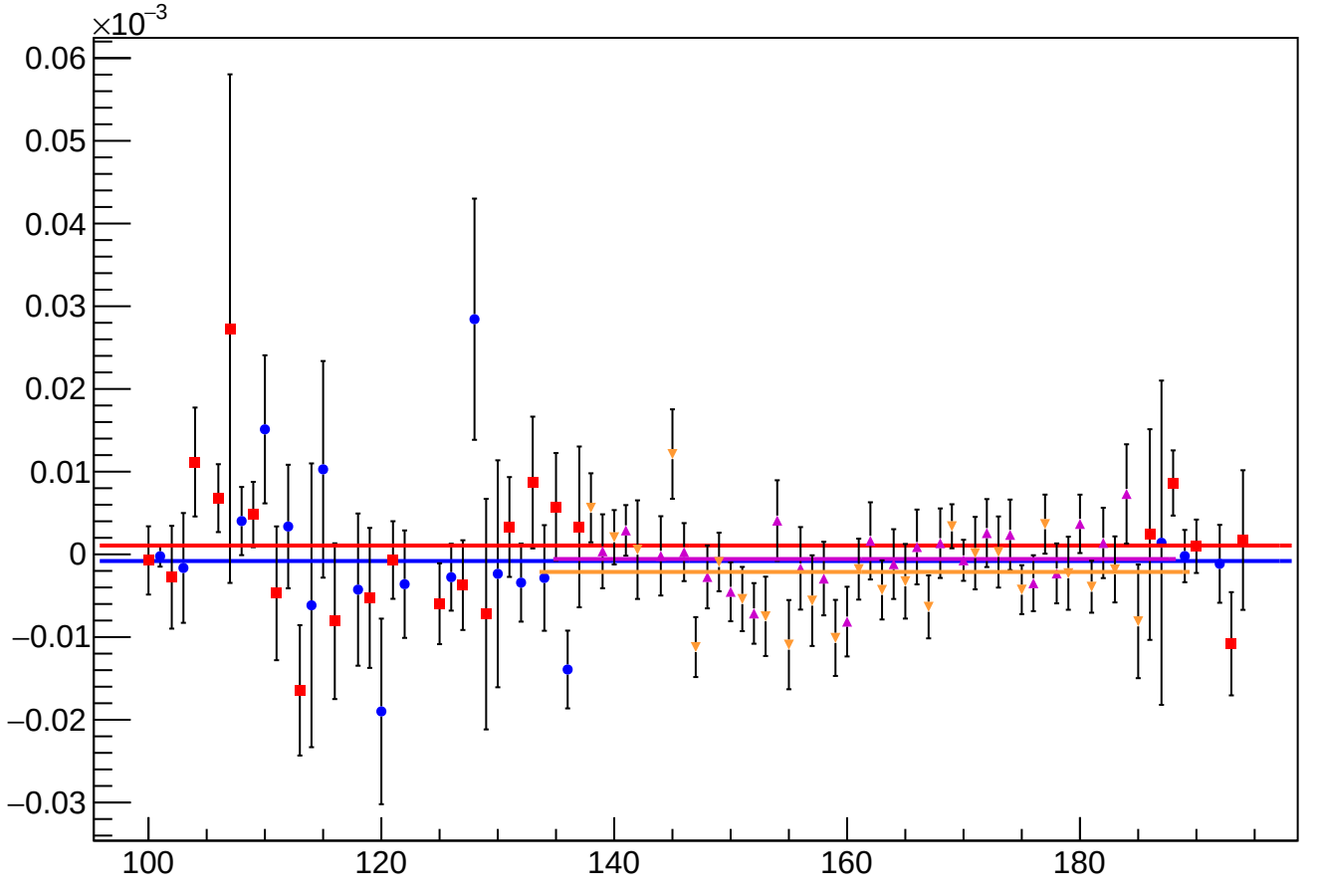
Right Out: 78.567+/-0.018 χ^2/NDF: 1410815.9/22

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

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

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

- sign 82.857+/-0.011 χ^2/NDF: 2500534.0/45



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

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

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

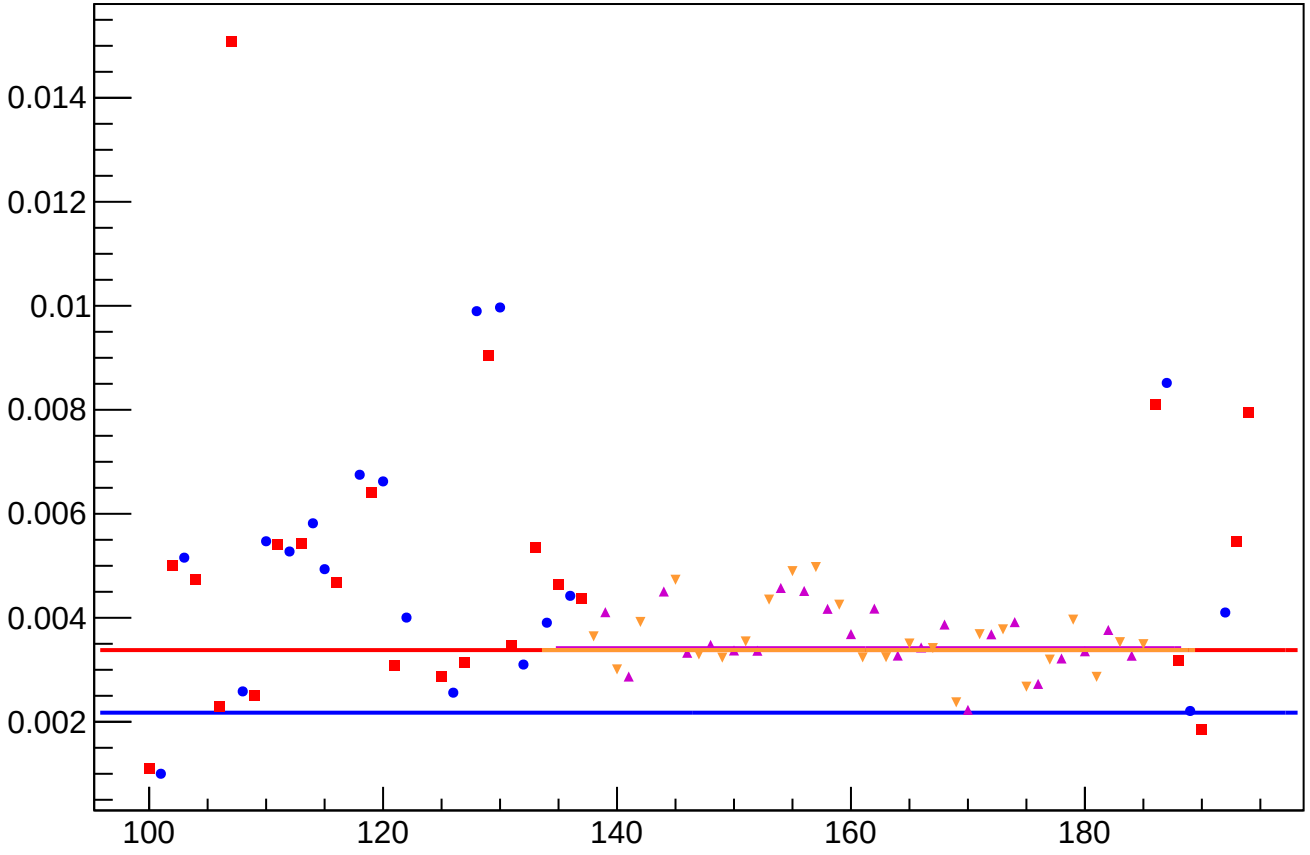
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

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

All: -0.000+/-0.000 χ^2/NDF: 106.3/88

- sign -0.000+/-0.000 χ^2/NDF: 43.6/45

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

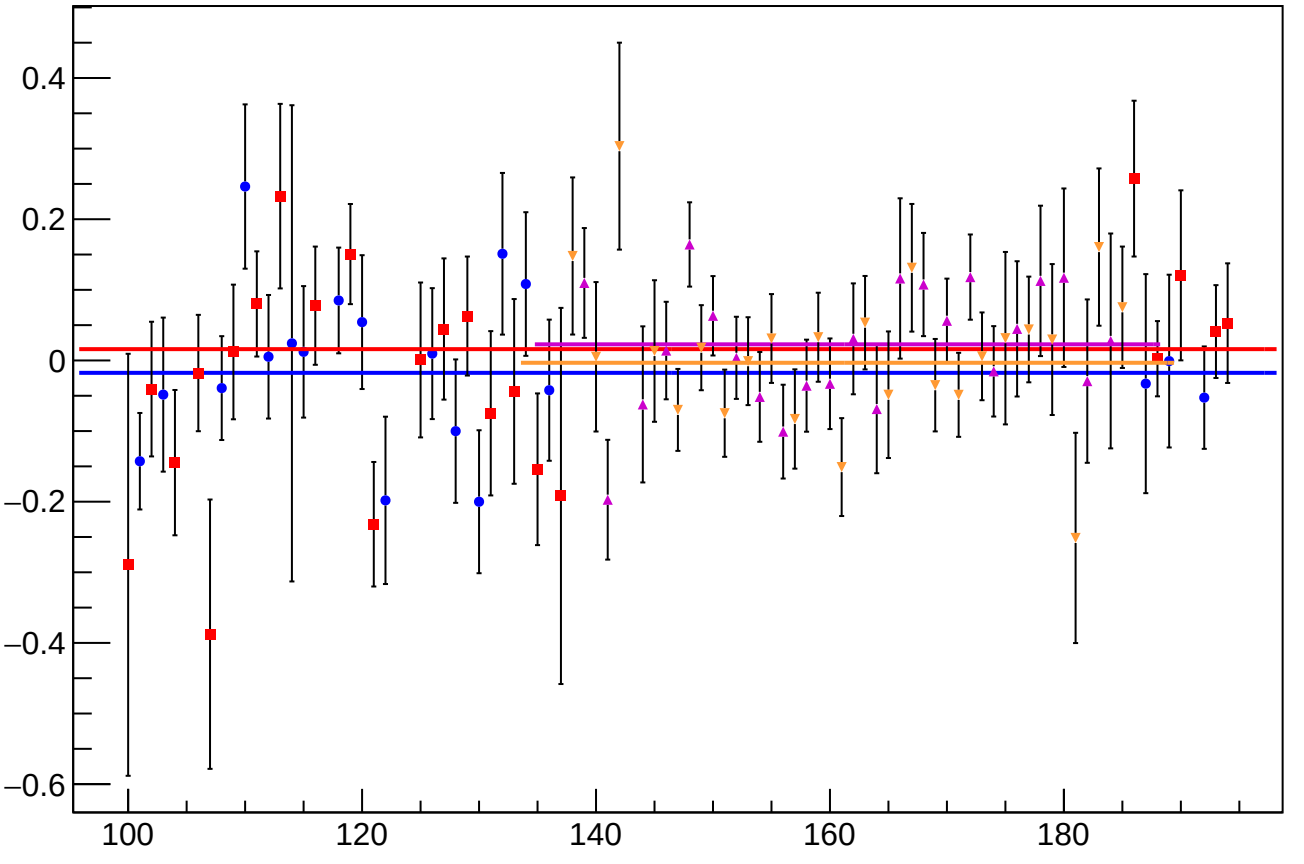
Right Out: 0.003+/-0.000 χ^2/NDF: 4025954.4/22

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: 15357493.4/88

\- sign 0.003+/-0.000 χ^2/NDF: 5197618.7/45



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

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

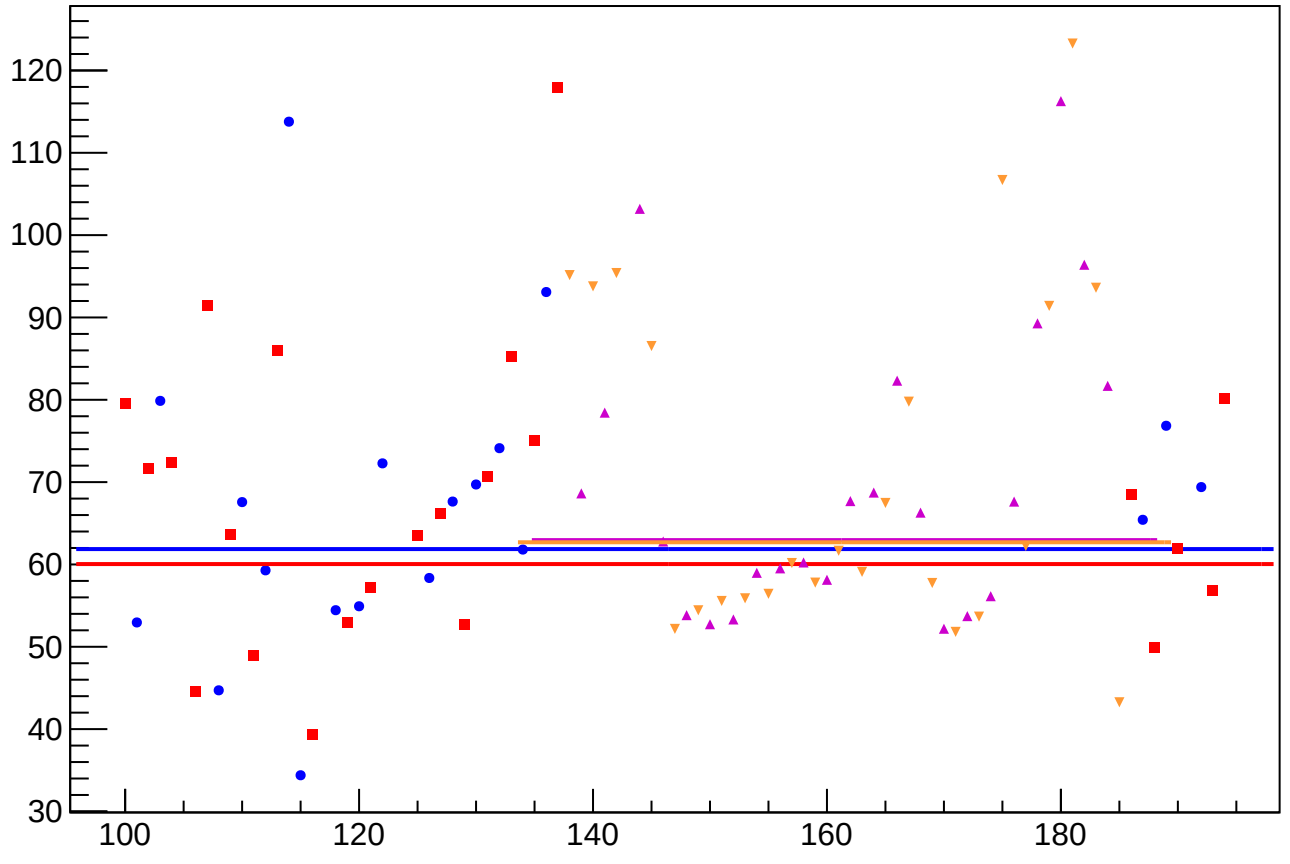
Right Out: 0.016+/-0.019 χ^2/NDF: 34.3/22

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

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

All: 0.007+/-0.009 χ^2/NDF: 113.7/88

- sign 0.020+/-0.012 χ^2/NDF: 63.3/45



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

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

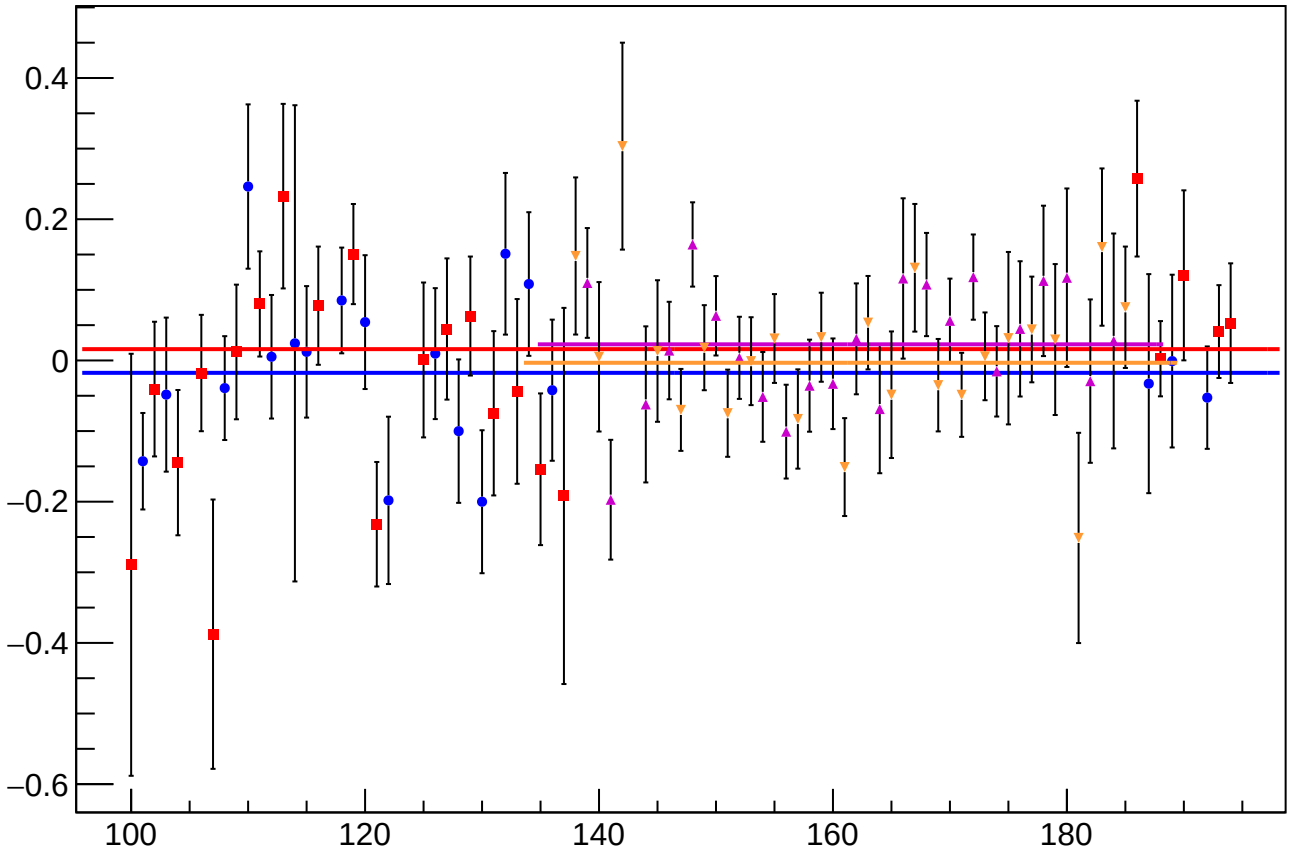
Right Out: 60.047+/-0.014 χ^2/NDF: 913523.0/22

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

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

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

- sign 61.827+/-0.009 χ^2/NDF: 2371284.9/45



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

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

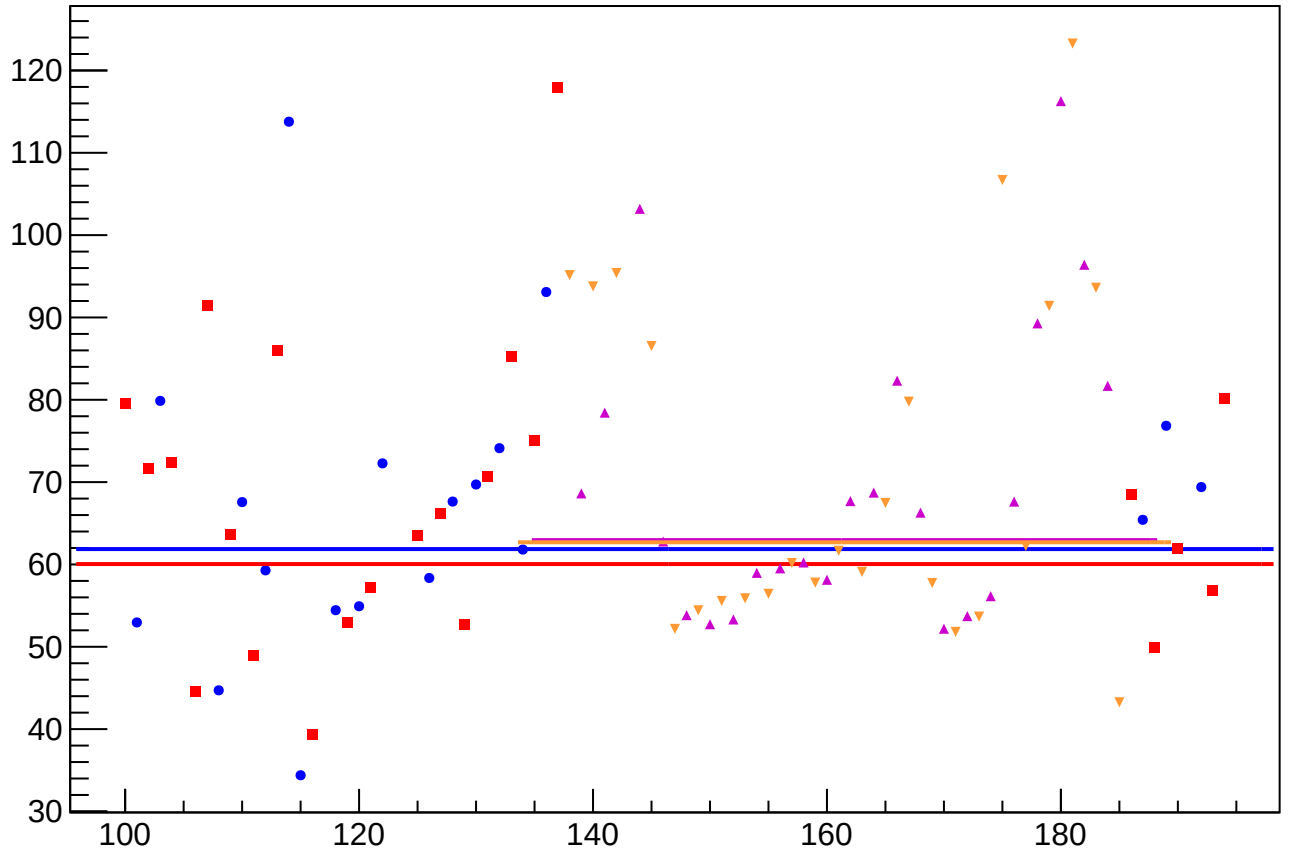
Right Out: 0.016+/-0.019 χ^2/NDF: 34.3/22

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

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

All: 0.007+/-0.009 χ^2/NDF: 113.7/88

- sign 0.020+/-0.012 χ^2/NDF: 63.3/45



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

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

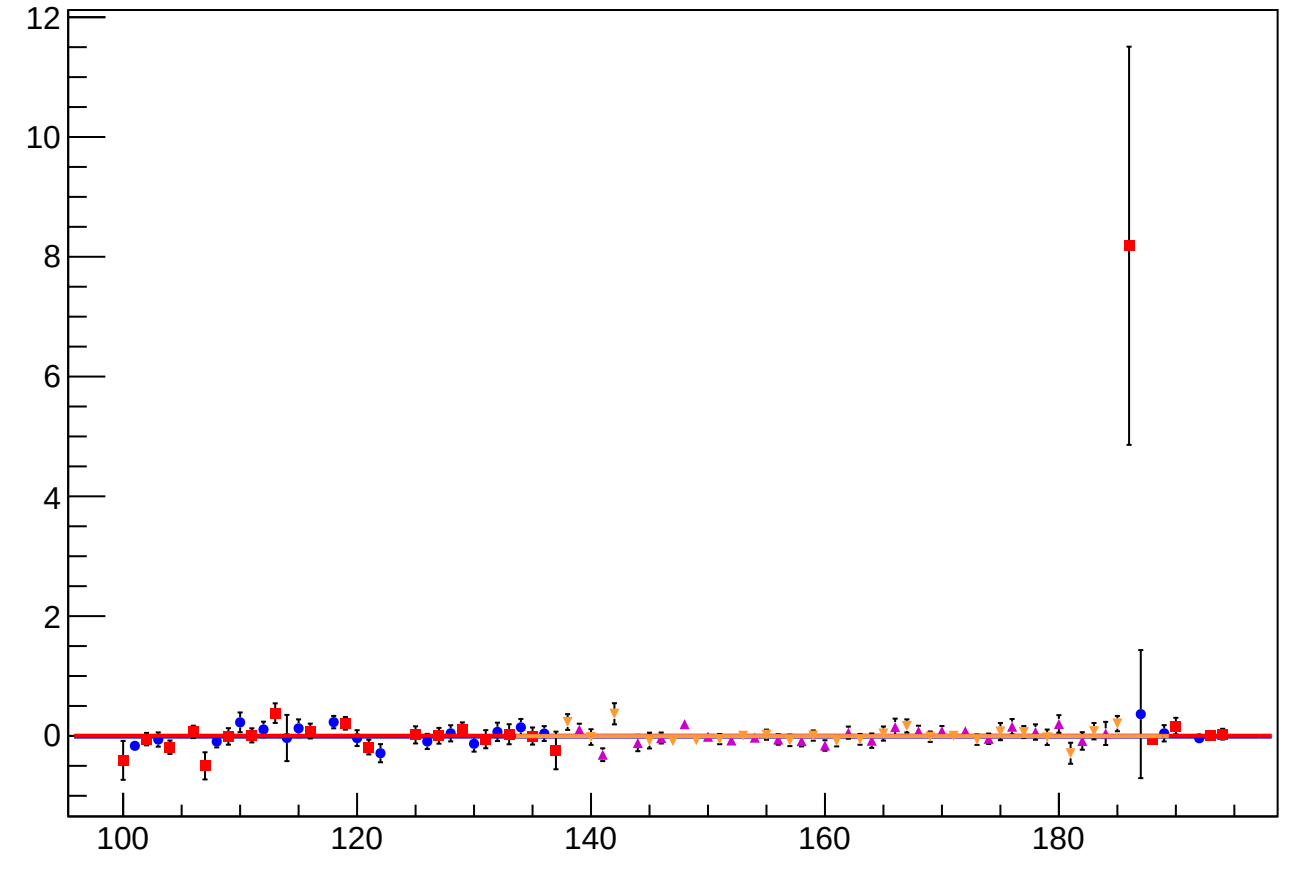
Right Out: 60.047+/-0.014 χ^2/NDF: 913523.0/22

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

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

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

- sign 61.827+/-0.009 χ^2/NDF: 2371284.9/45



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

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

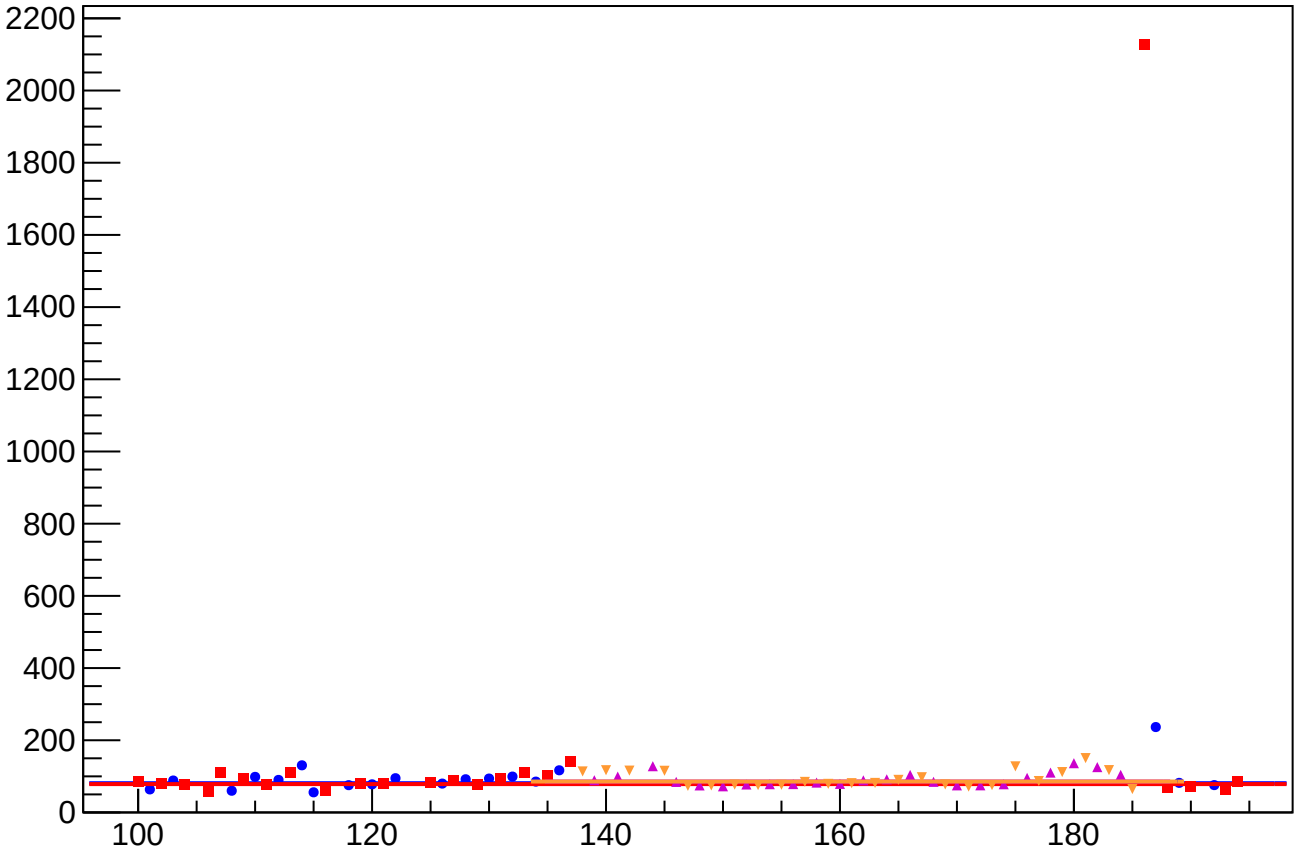
Right Out: 0.004+/-0.025 χ^2/NDF: 32.1/22

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

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

All: -0.003+/-0.012 χ^2/NDF: 104.7/88

- sign 0.000+/-0.016 χ^2/NDF: 62.6/45



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

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

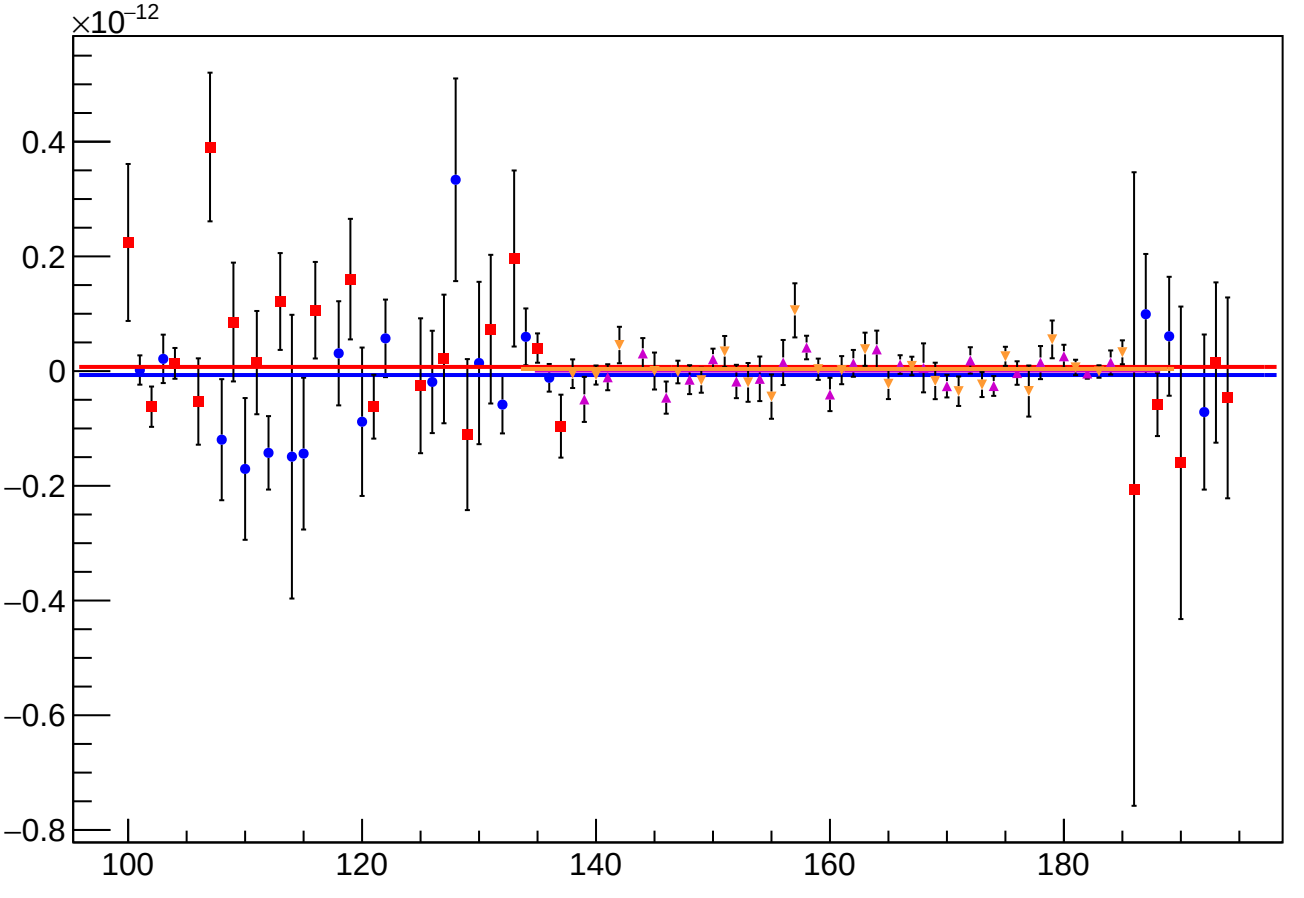
Right Out: 78.567+/-0.018 χ^2/NDF: 1410793.4/22

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

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

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

- sign 82.857+/-0.011 χ^2/NDF: 2500524.1/45



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

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

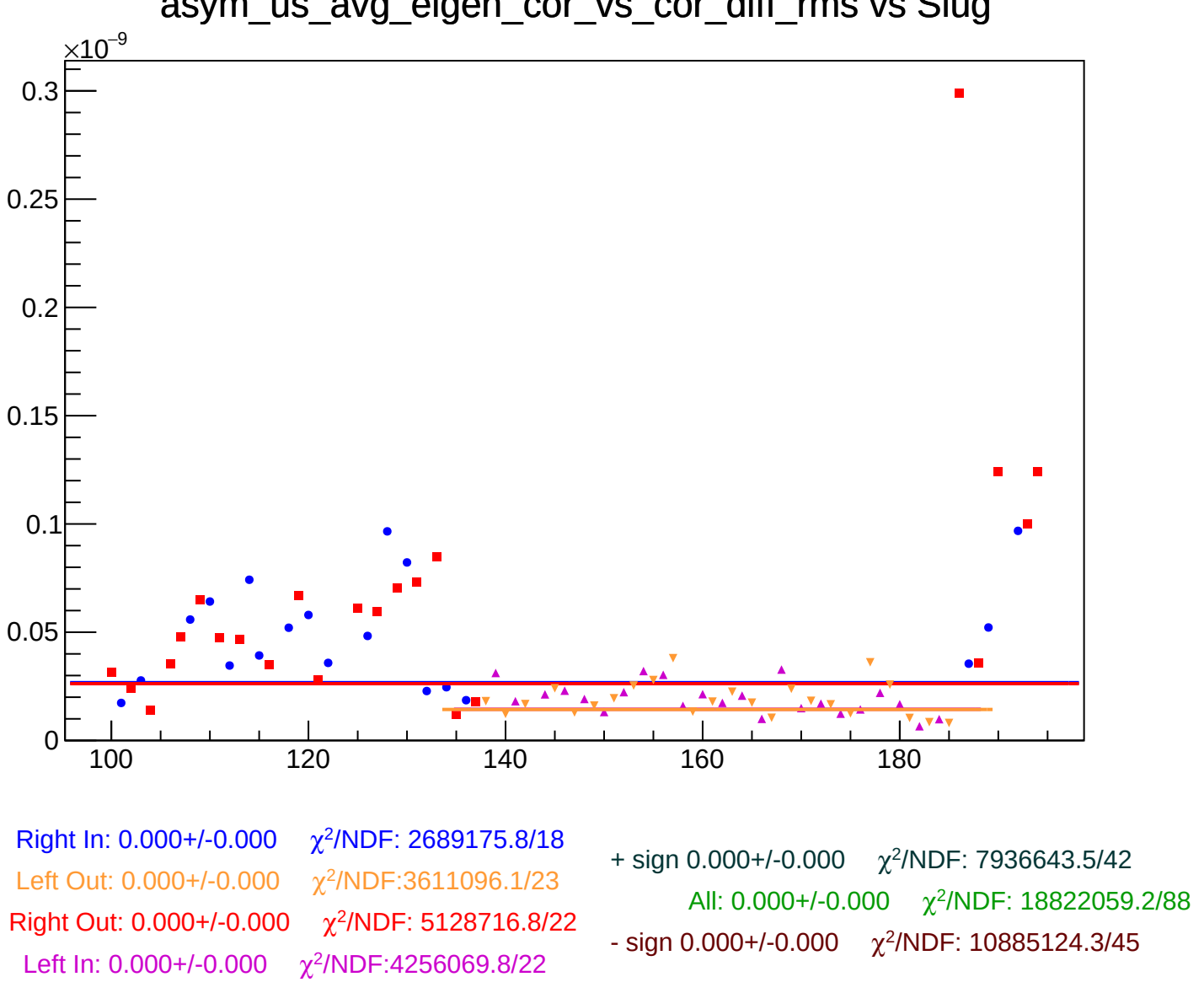
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/22

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

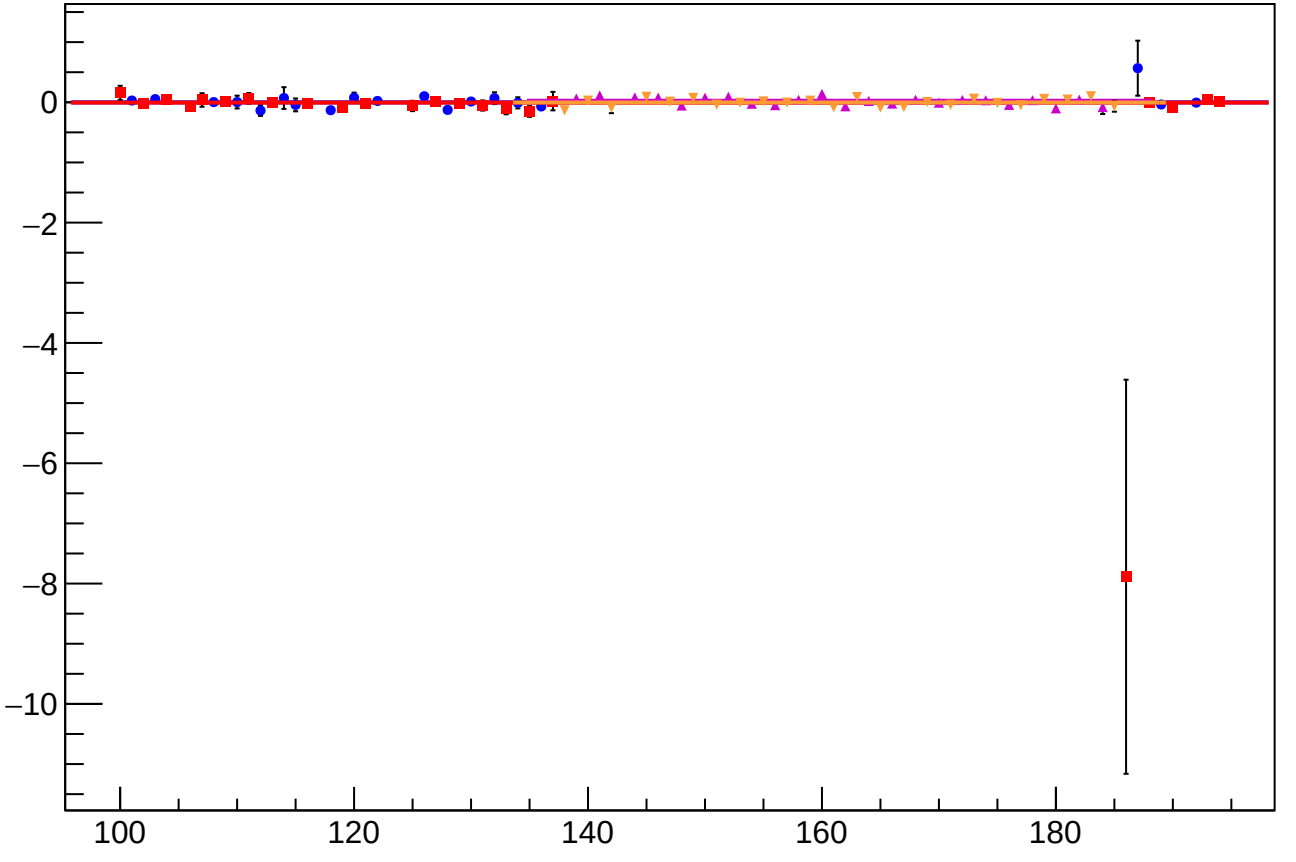
+ sign 0.000+/-0.000 χ^2/NDF: 44.7/42

All: 0.000+/-0.000 χ^2/NDF: 101.8/88

- sign 0.000+/-0.000 χ^2/NDF: 57.1/45


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: 5128716.8/22
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: 18822059.2/88
- sign 0.000+/-0.000 χ²/NDF: 10885124.3/45

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: -0.005+/-0.011 χ^2/NDF: 25.3/22

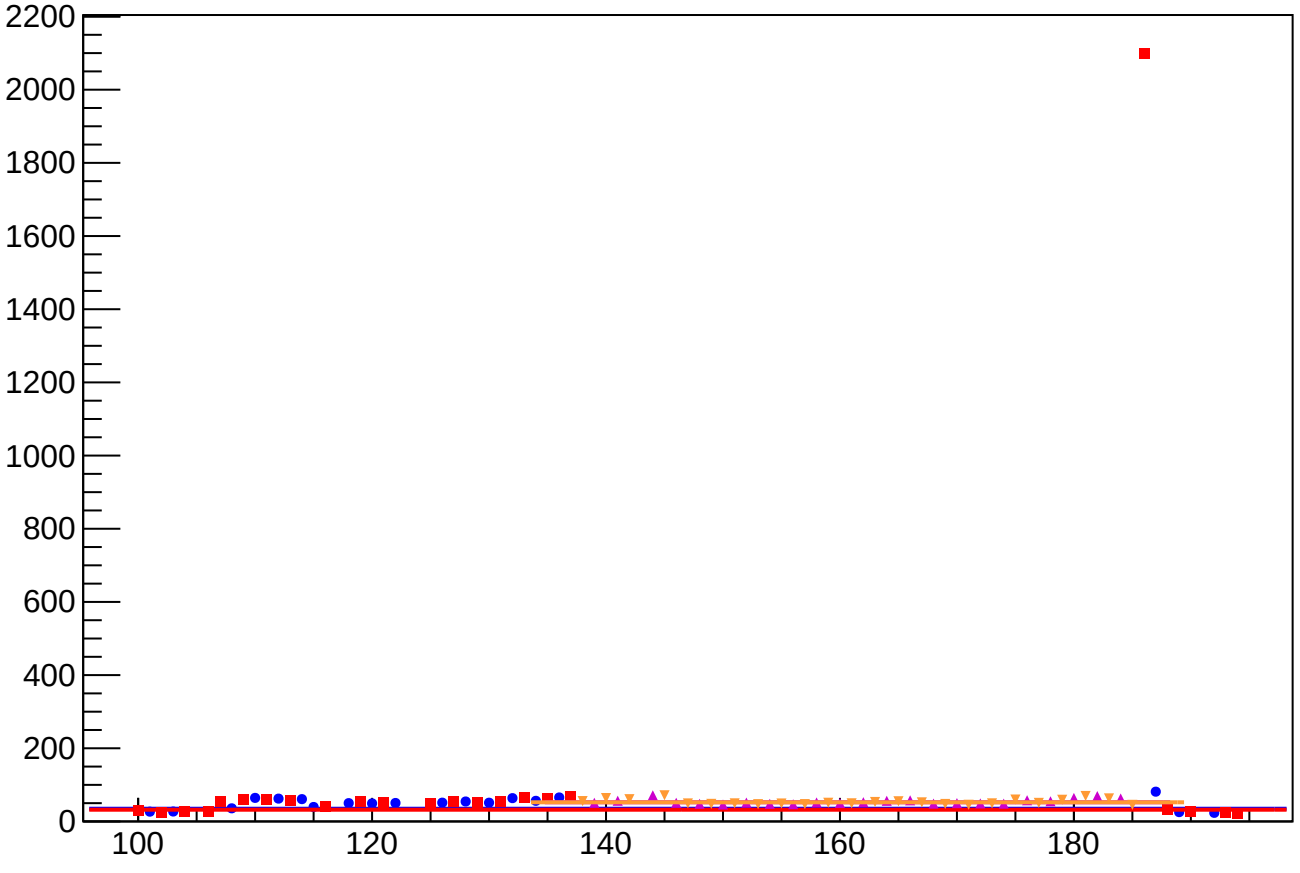
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

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

All: 0.003+/-0.006 χ^2/NDF: 94.9/88

- sign 0.008+/-0.008 χ^2/NDF: 52.9/45

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

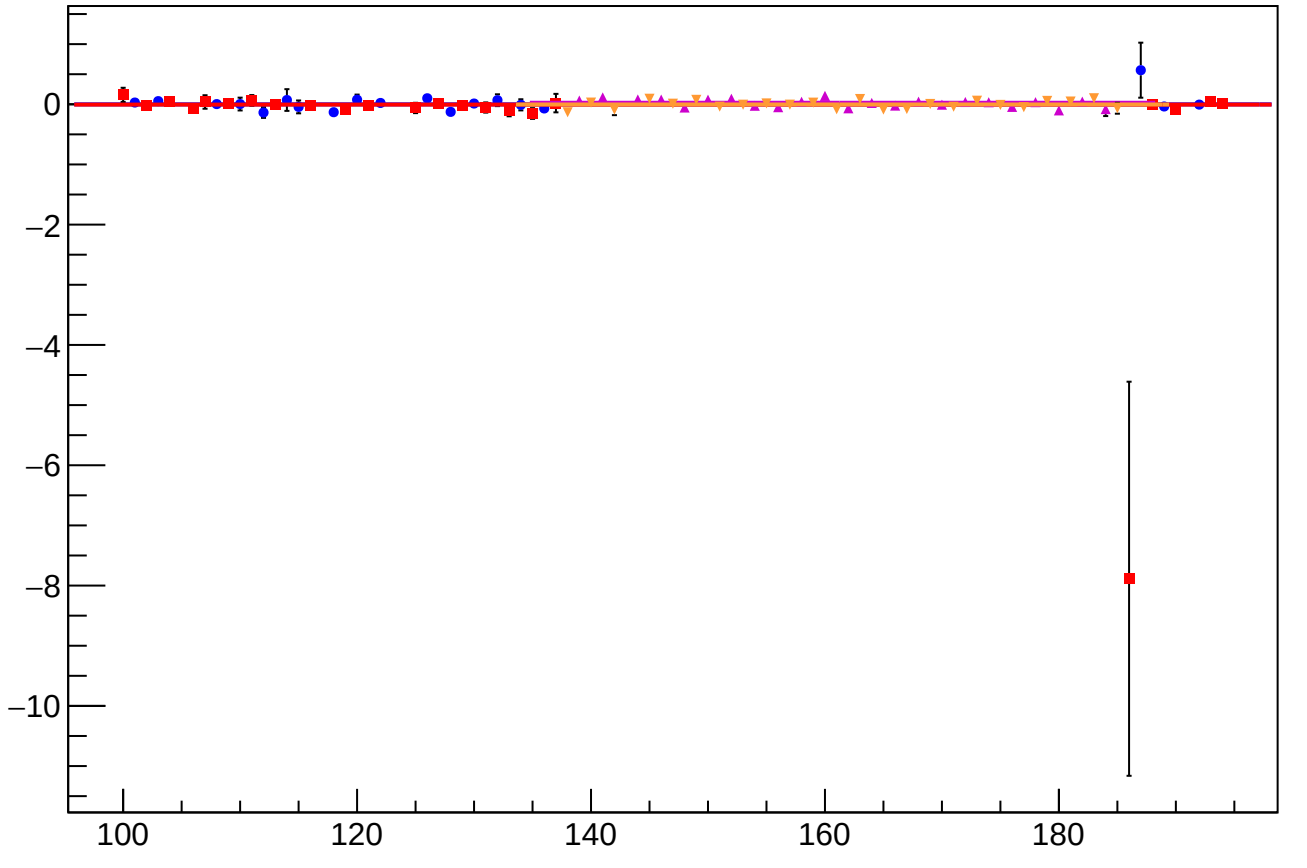
Right Out: 32.090+/-0.008 χ^2/NDF: 3537476.2/22

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

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

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

- sign 41.067+/-0.006 χ^2/NDF: 6957553.2/45



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

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

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

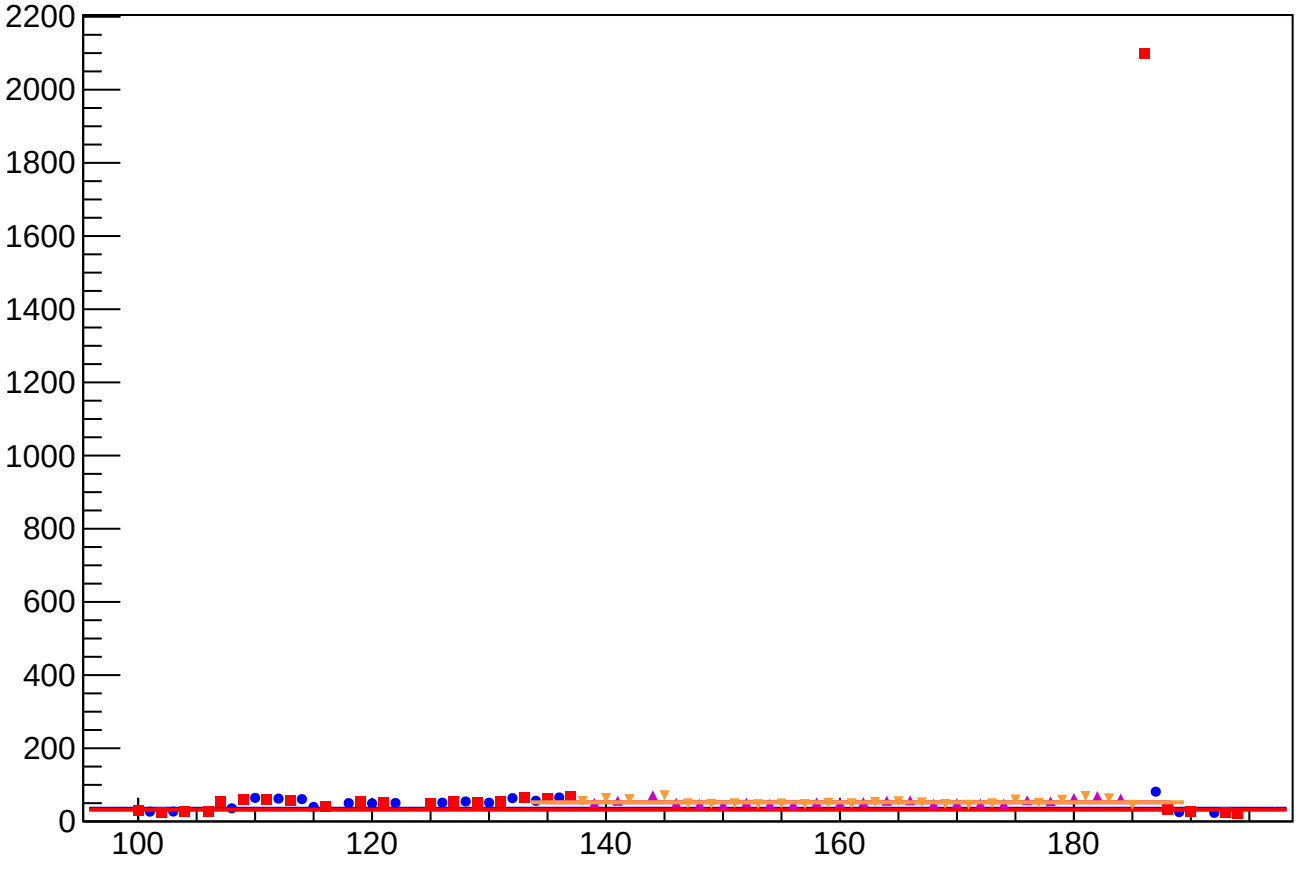
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

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

All: 0.003+/-0.006 χ^2/NDF: 94.9/88

- sign 0.008+/-0.008 χ^2/NDF: 52.9/45

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug



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

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

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

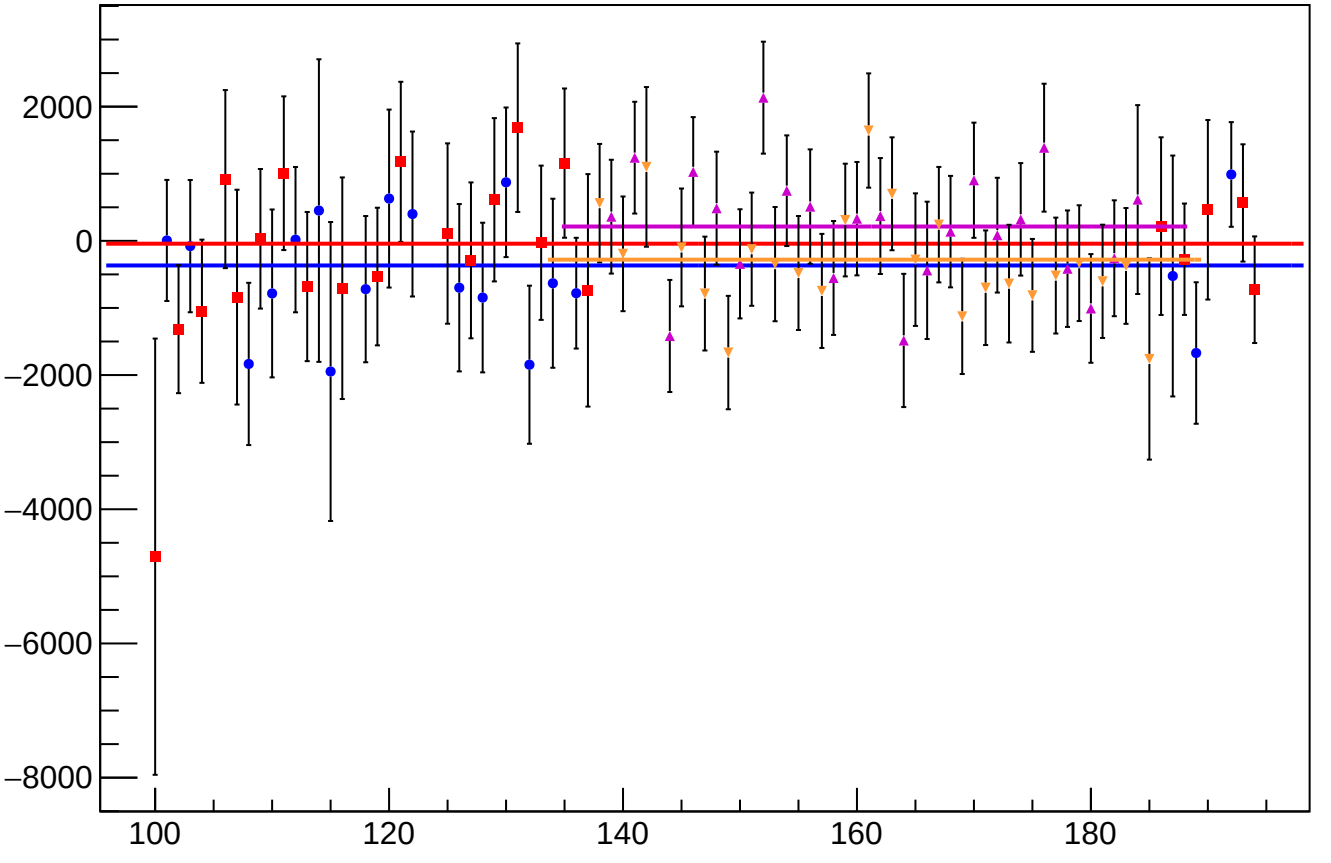
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

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

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

- sign 41.067+/-0.006 χ^2/NDF: 6957553.2/45

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: -42.378+/-238.873 χ^2/NDF: 13.2/22

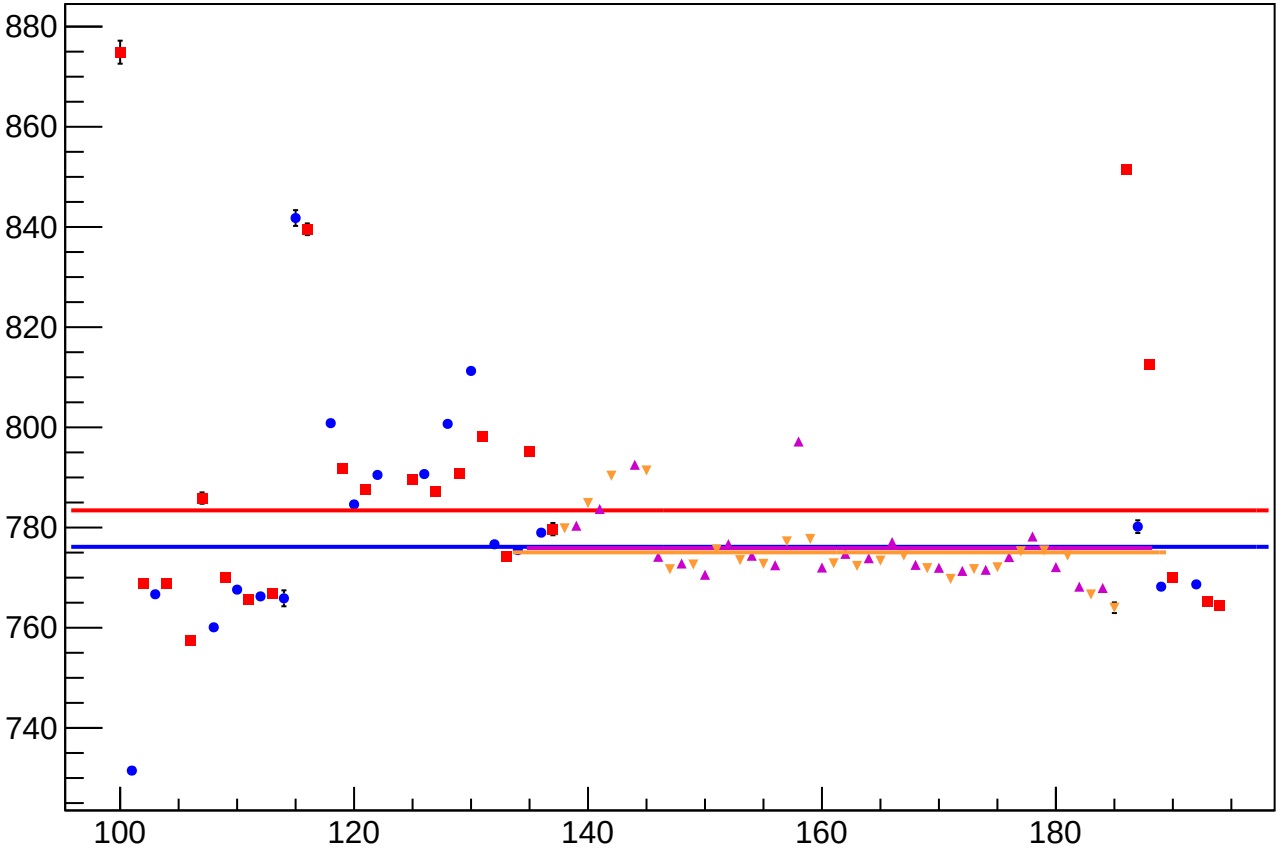
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

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

All: -89.041+/-103.291 χ^2/NDF: 68.3/88

- sign 120.015+/-144.348 χ^2/NDF: 36.3/45

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: 783.426+/-0.169 χ^2/NDF: 17671.0/22

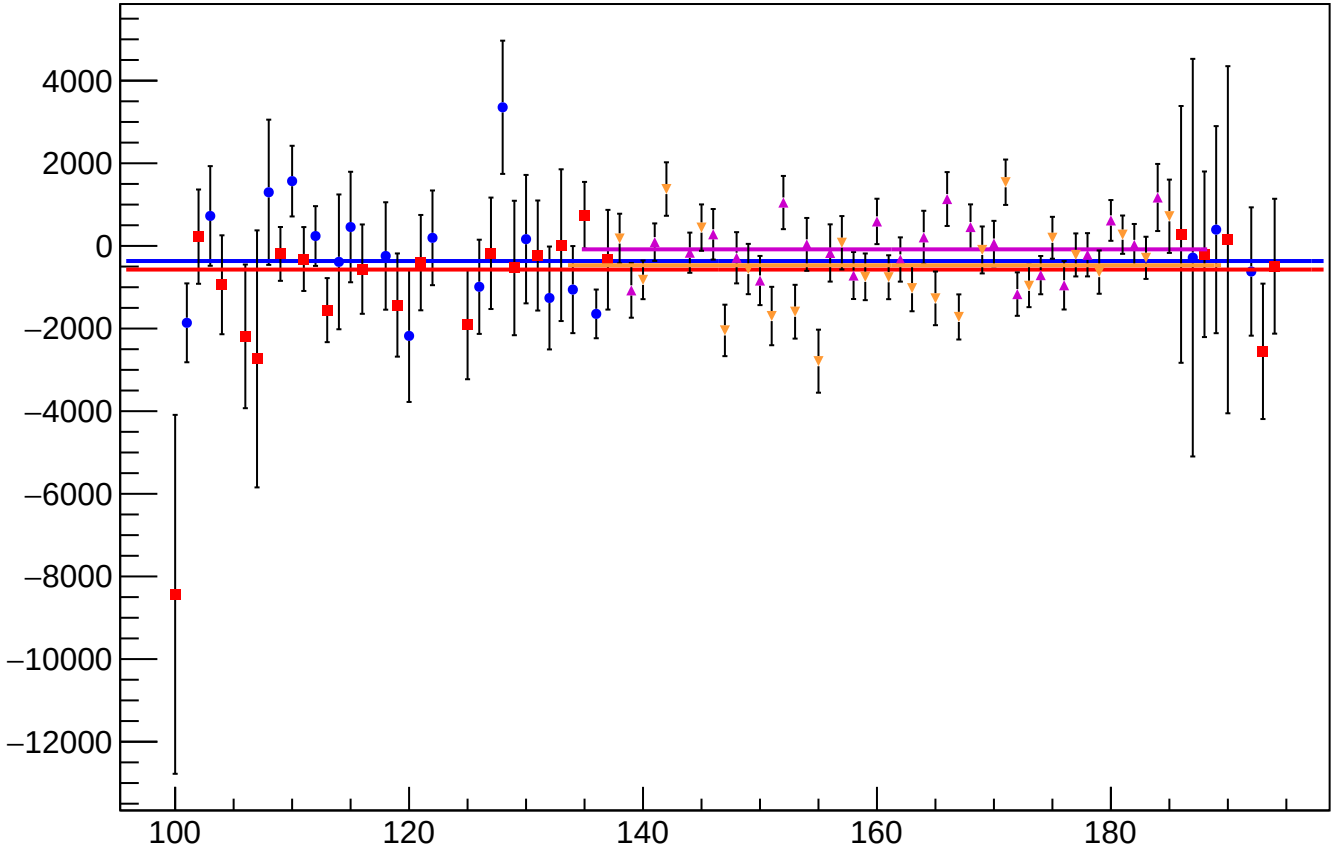
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

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

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

- sign 778.662+/-0.102 χ^2/NDF: 21897.0/45

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: -572.441+/-252.985 χ^2/NDF: 13.3/22

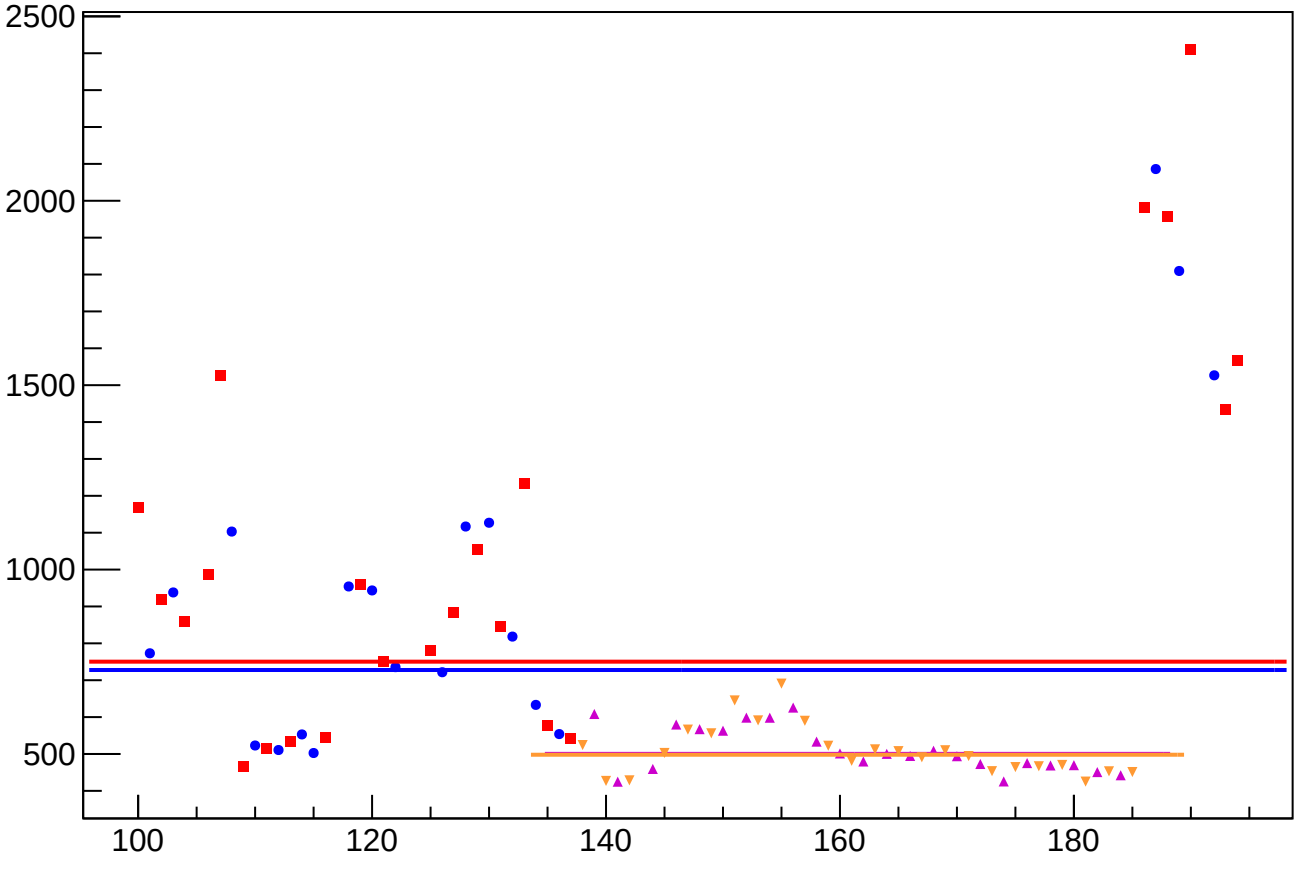
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

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

All: -310.620+/-75.428 χ^2/NDF: 135.9/88

- sign -170.348+/-106.796 χ^2/NDF: 44.5/45

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

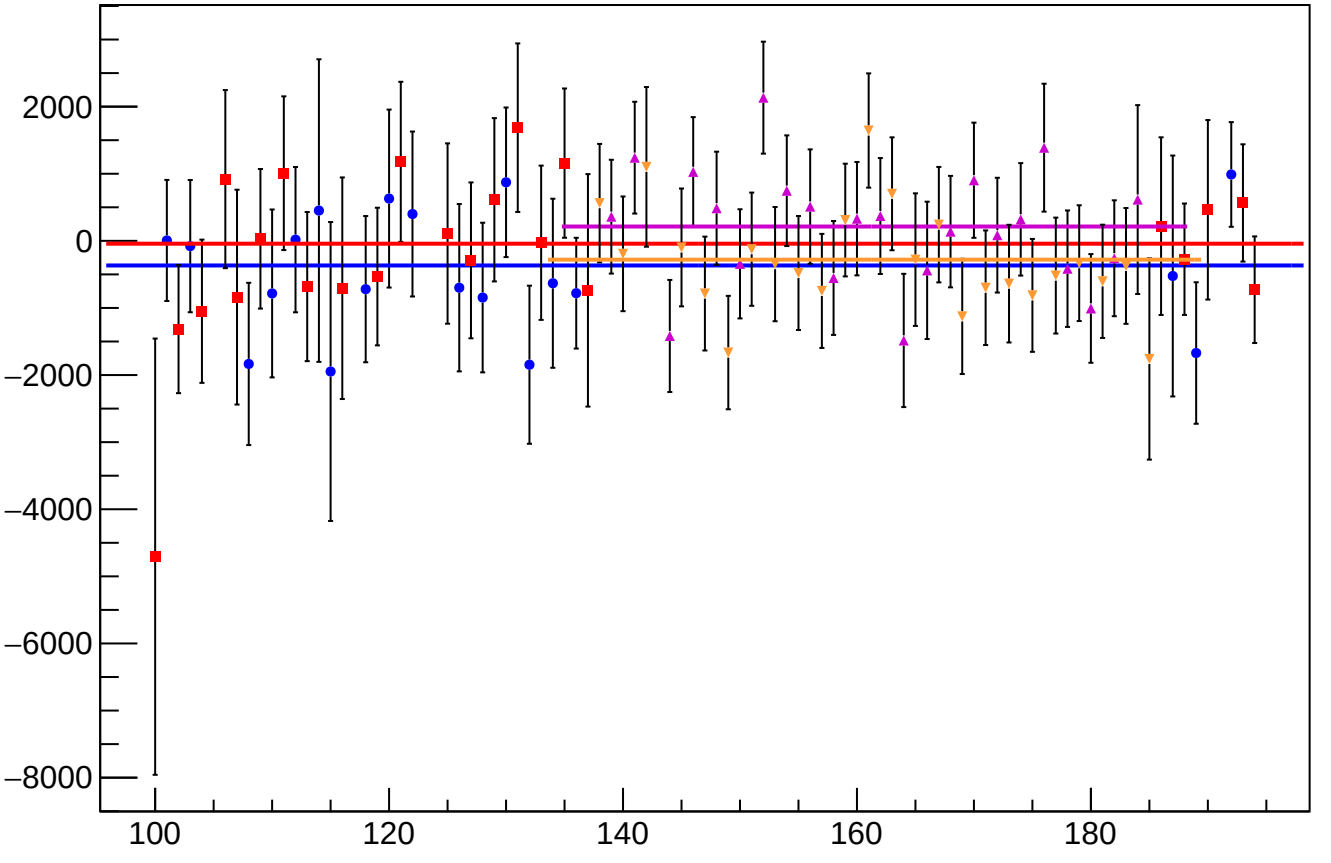
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

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

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

- sign 544.861+/-0.076 χ^2/NDF: 5760533.3/45

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: -42.378+/-238.873 χ^2/NDF: 13.2/22

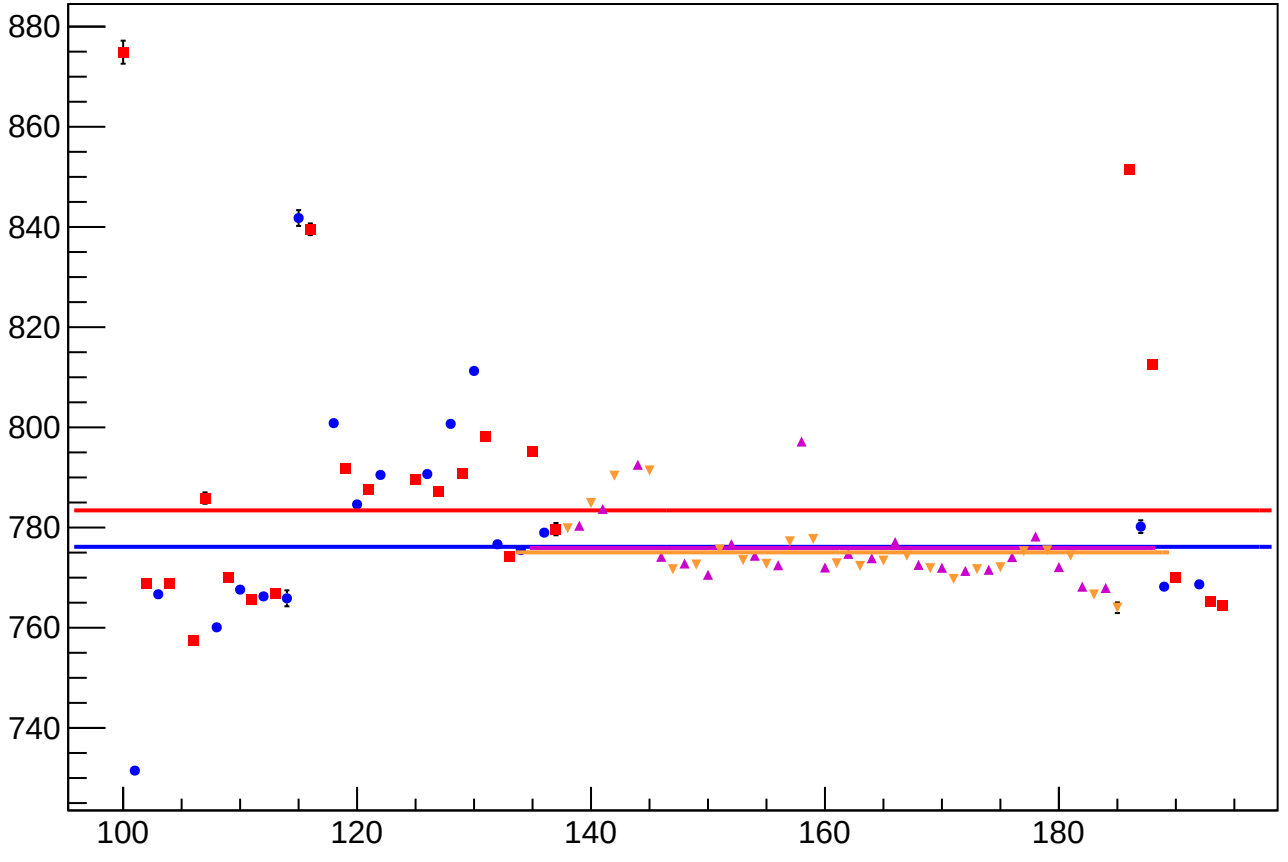
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

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

All: -89.041+/-103.291 χ^2/NDF: 68.3/88

- sign 120.015+/-144.348 χ^2/NDF: 36.3/45

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

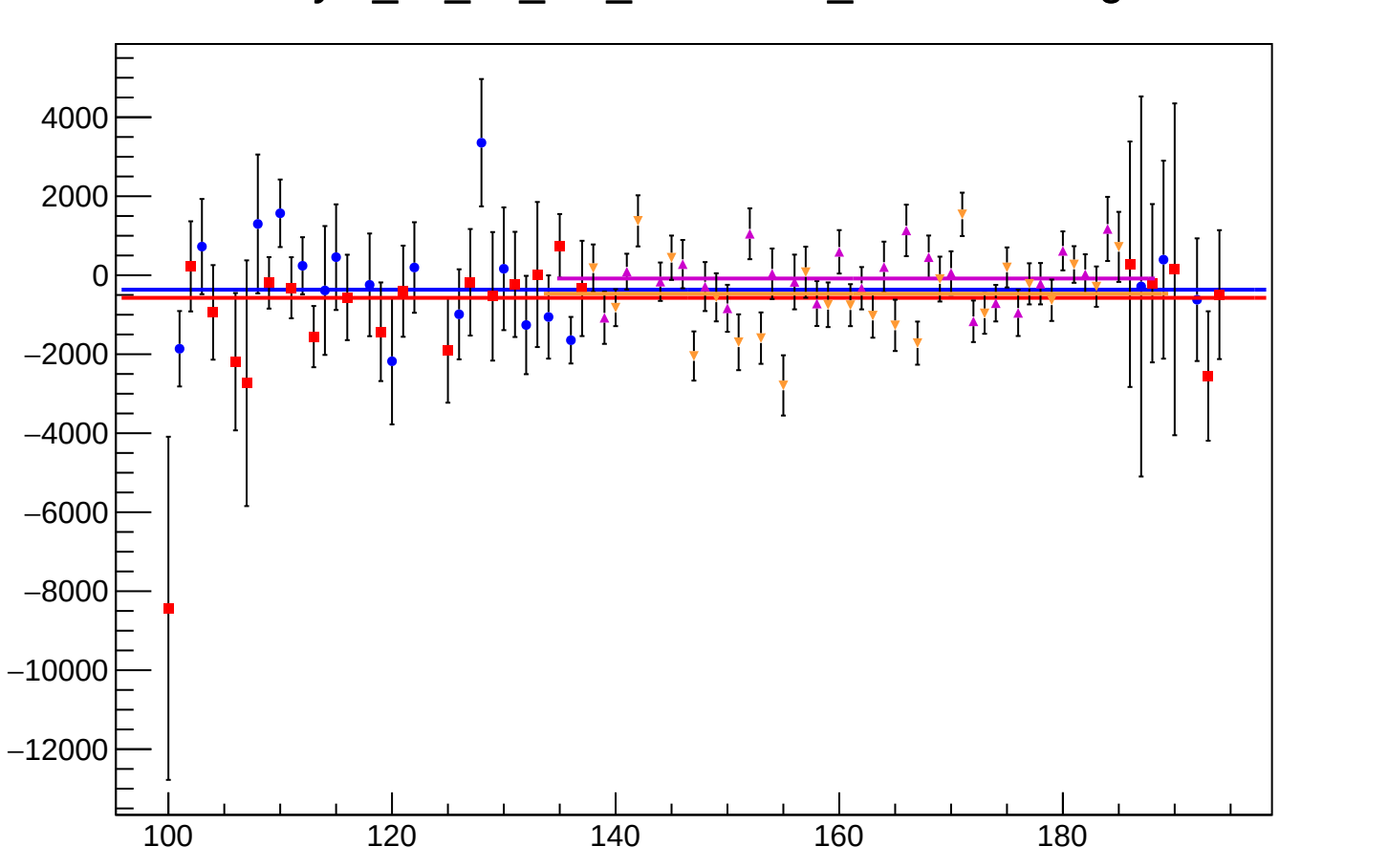
Right Out: 783.426+/-0.169 χ^2/NDF: 17671.0/22

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

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

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

- sign 778.662+/-0.102 χ^2/NDF: 21897.0/45



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

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

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

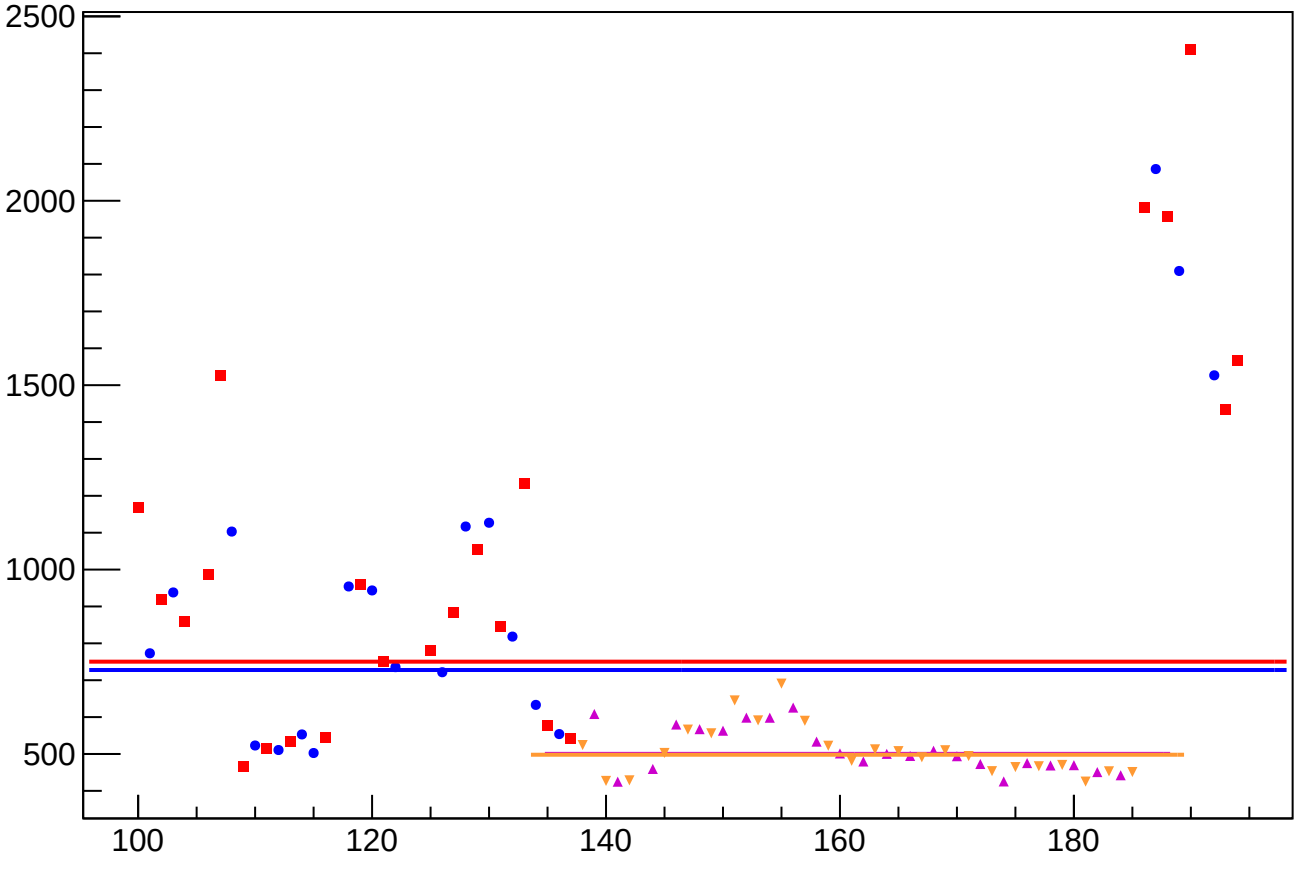
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

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

All: -310.620+/-75.428 χ^2/NDF: 135.9/88

- sign -170.348+/-106.796 χ^2/NDF: 44.5/45

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

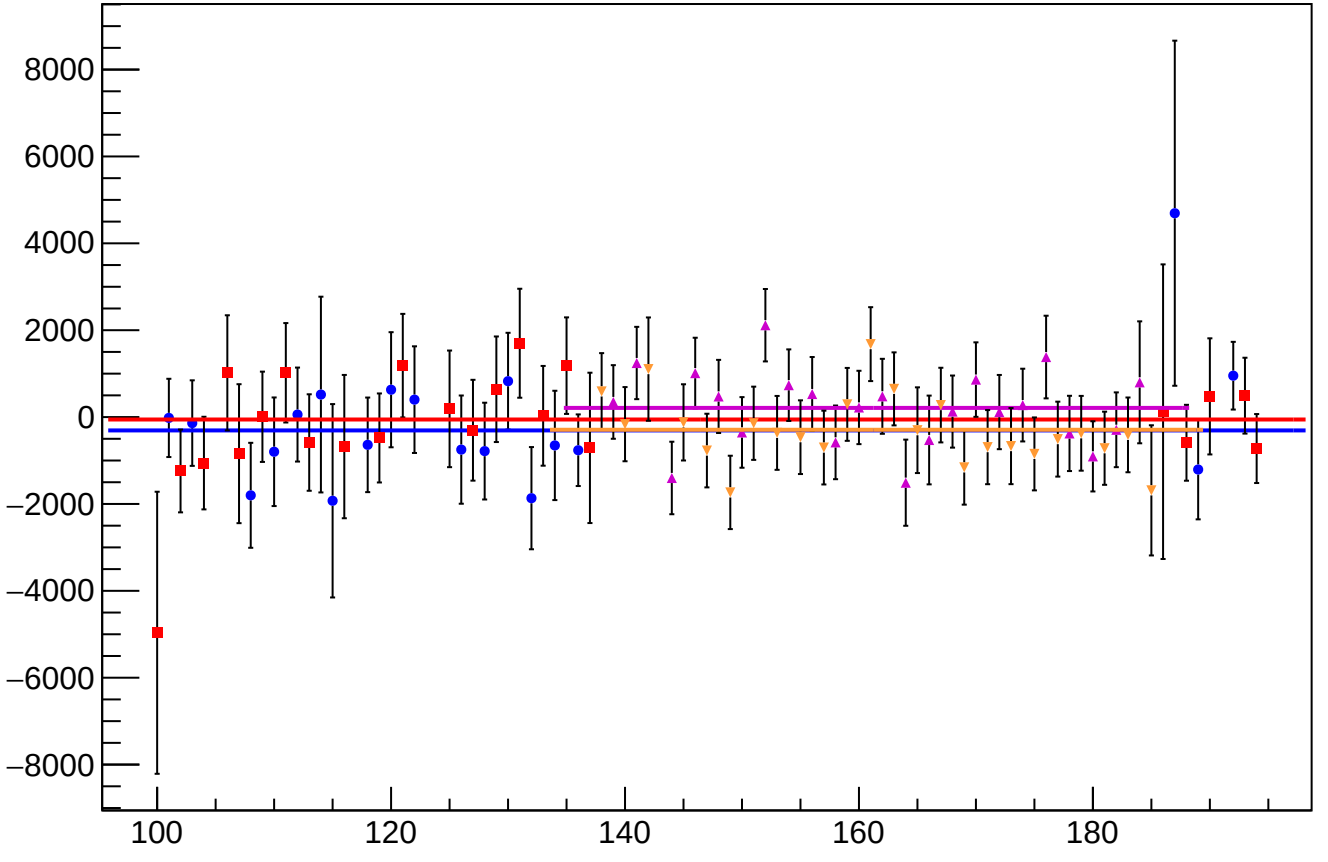
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

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

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

\- sign 544.861+/-0.076 χ^2/NDF: 5760533.3/45

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: -55.753+/-243.061 χ^2/NDF: 13.5/22

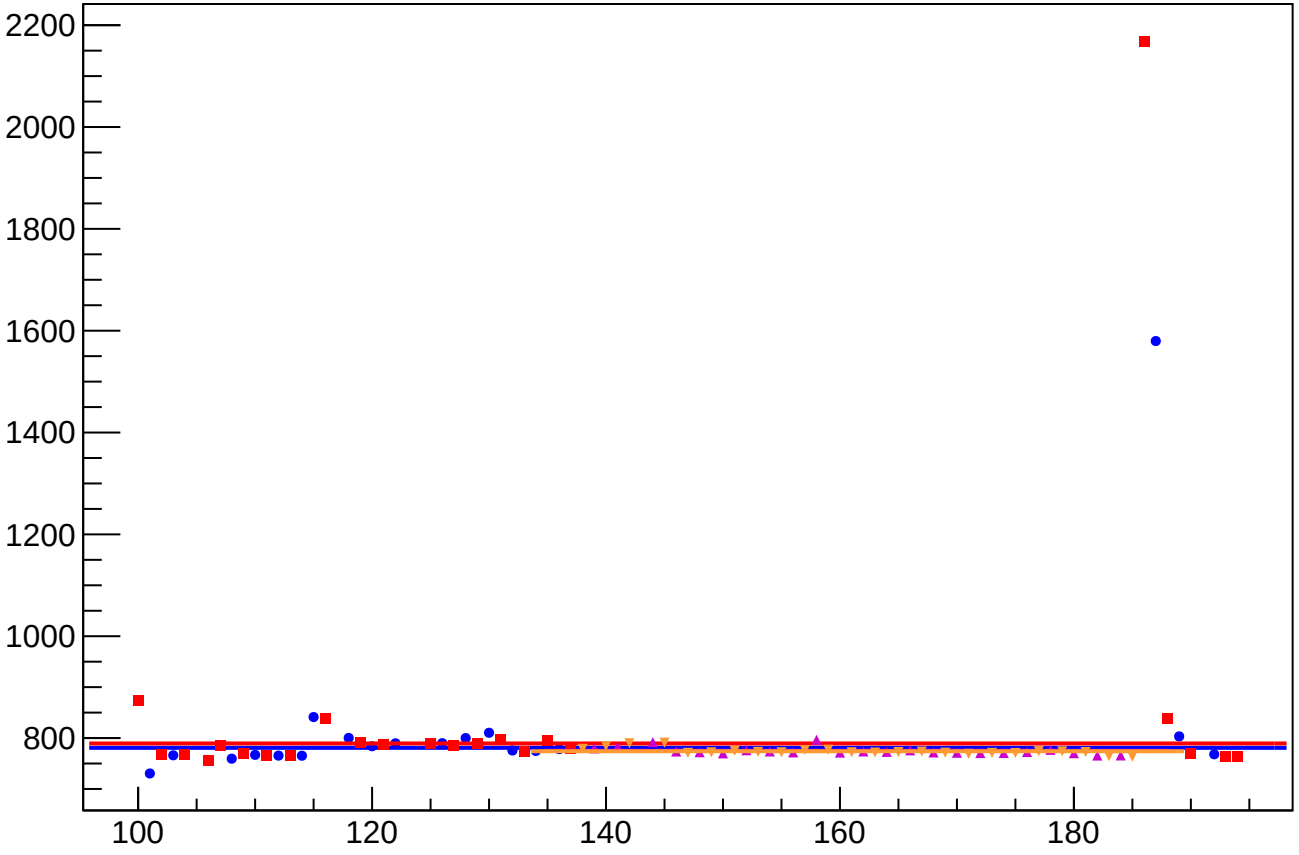
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

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

All: -85.922+/-103.743 χ^2/NDF: 68.8/88

- sign 116.031+/-145.145 χ^2/NDF: 36.4/45

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

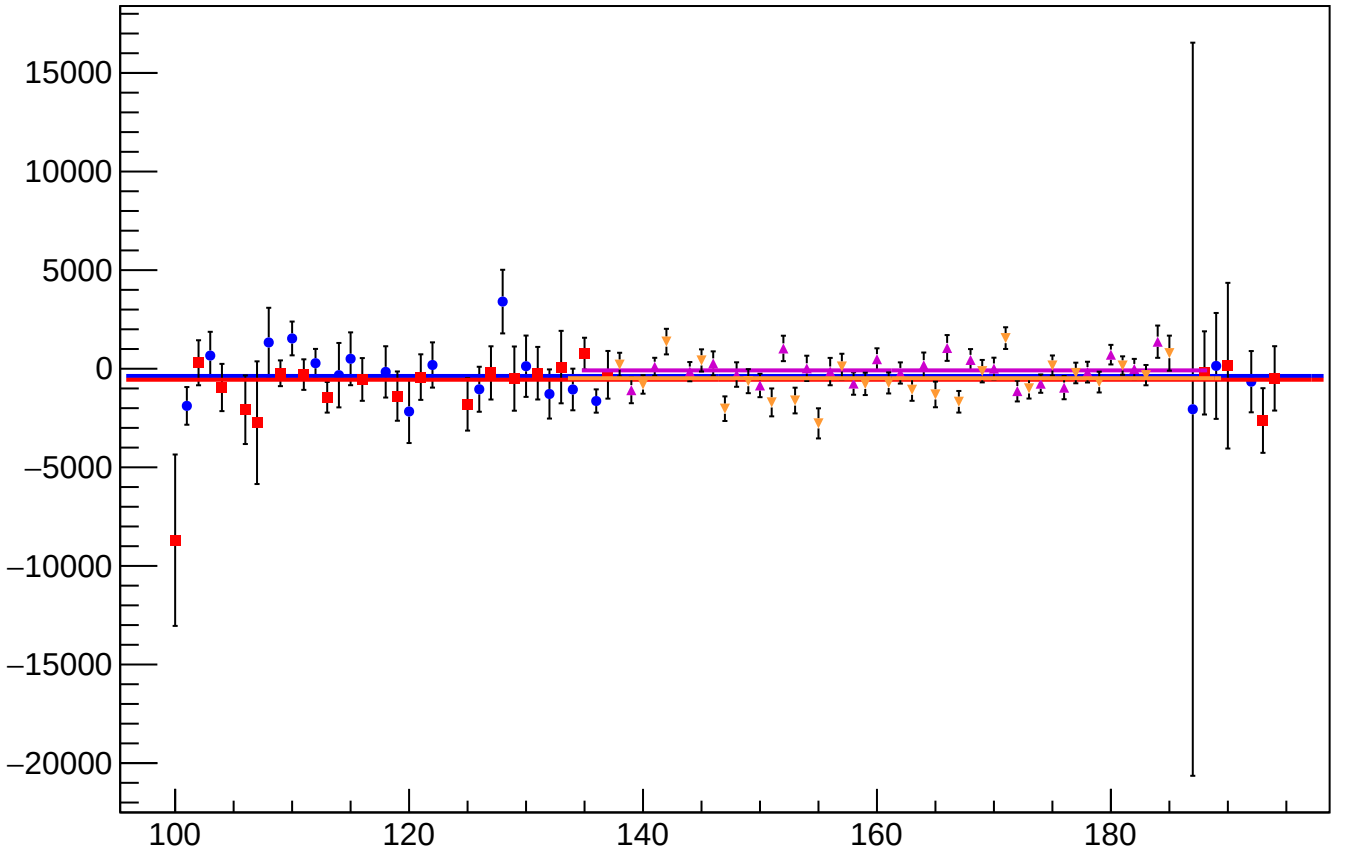
Right Out: 789.368+/-0.172 χ^2/NDF: 349794.7/22

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

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

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

- sign 780.117+/-0.103 χ^2/NDF: 357445.7/45



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: -558.653+/-254.385 χ^2/NDF: 13.1/21

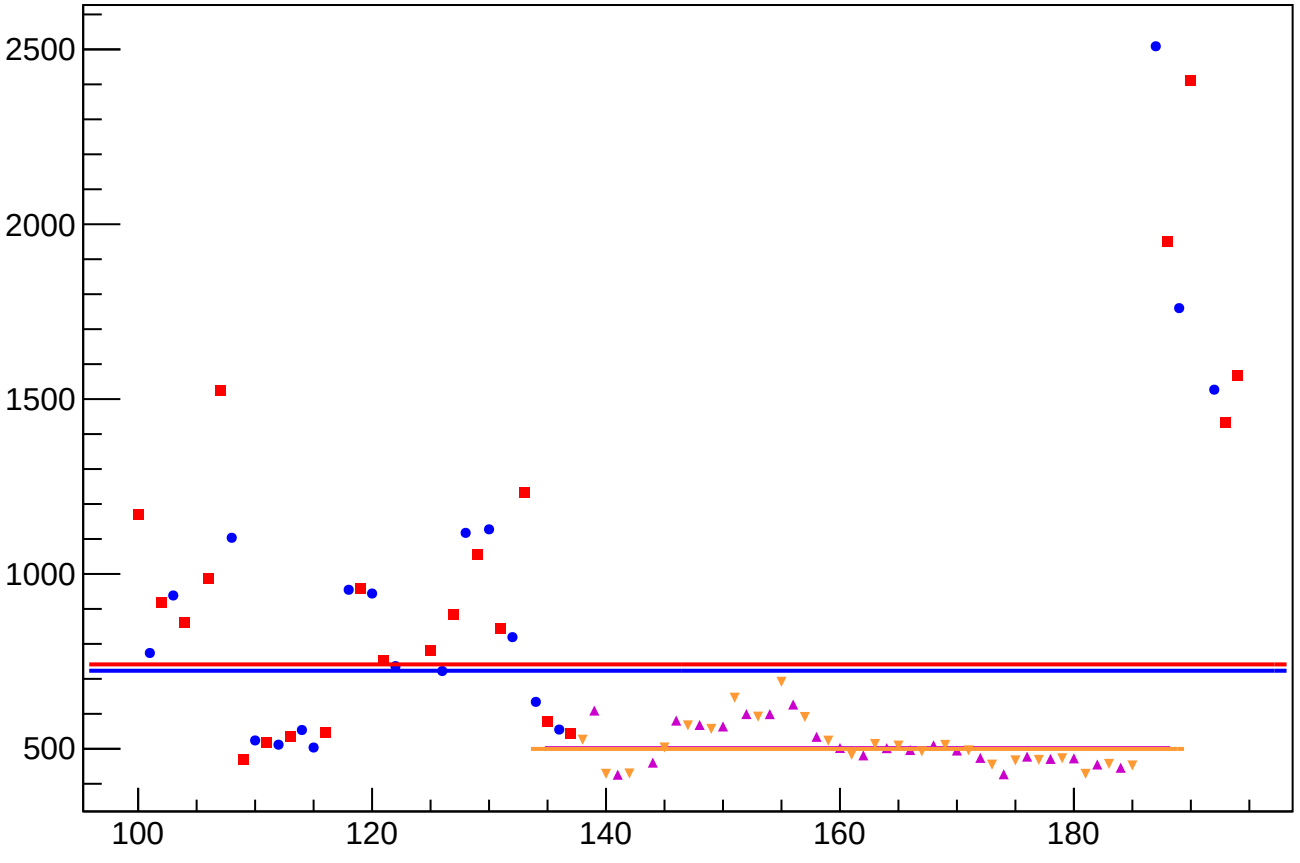
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

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

All: -315.320+/-75.691 χ^2/NDF: 135.1/87

- sign -167.613+/-107.189 χ^2/NDF: 44.2/44

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

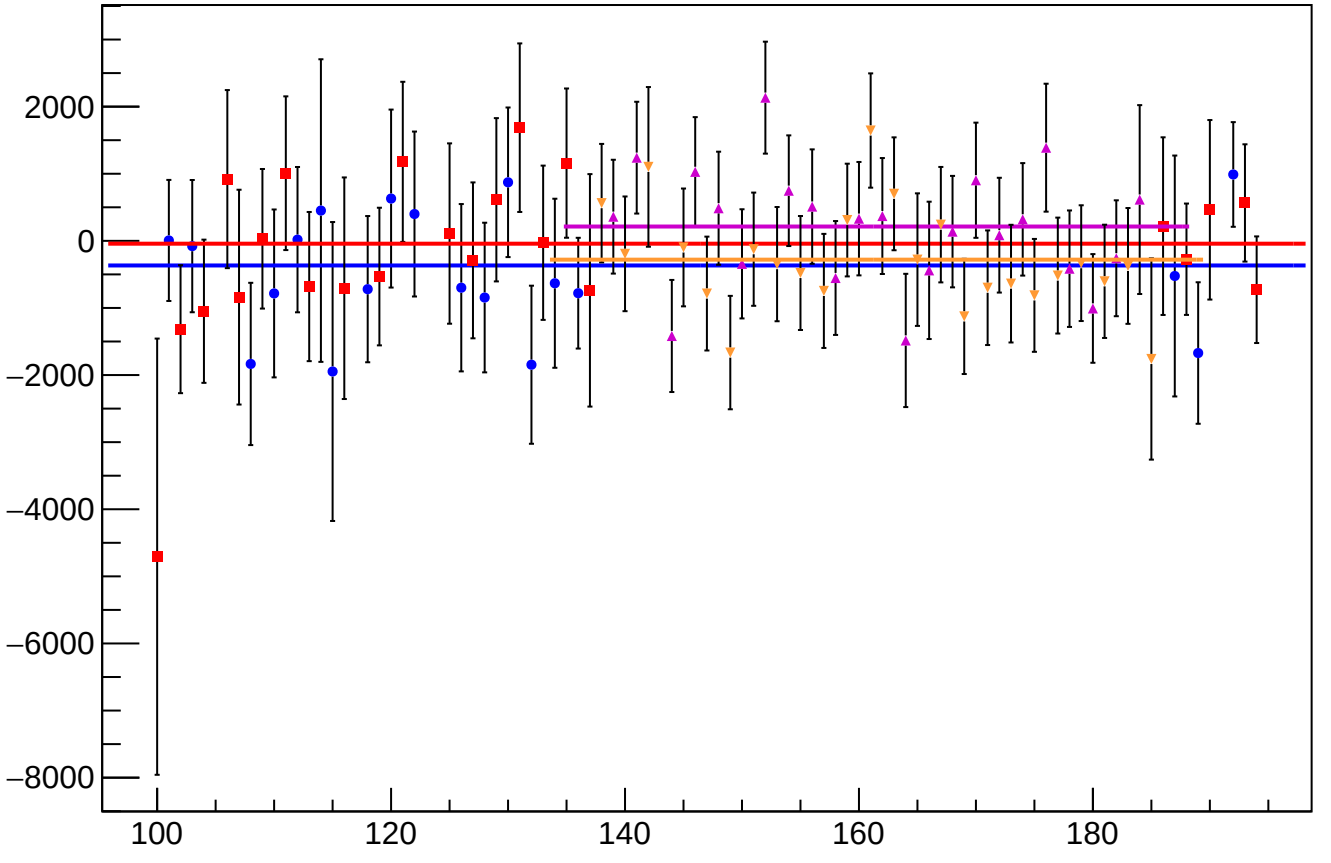
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

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

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

\- sign 544.522+/-0.076 χ^2/NDF: 5196893.0/44

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: -42.378+/-238.873 χ^2/NDF: 13.2/22

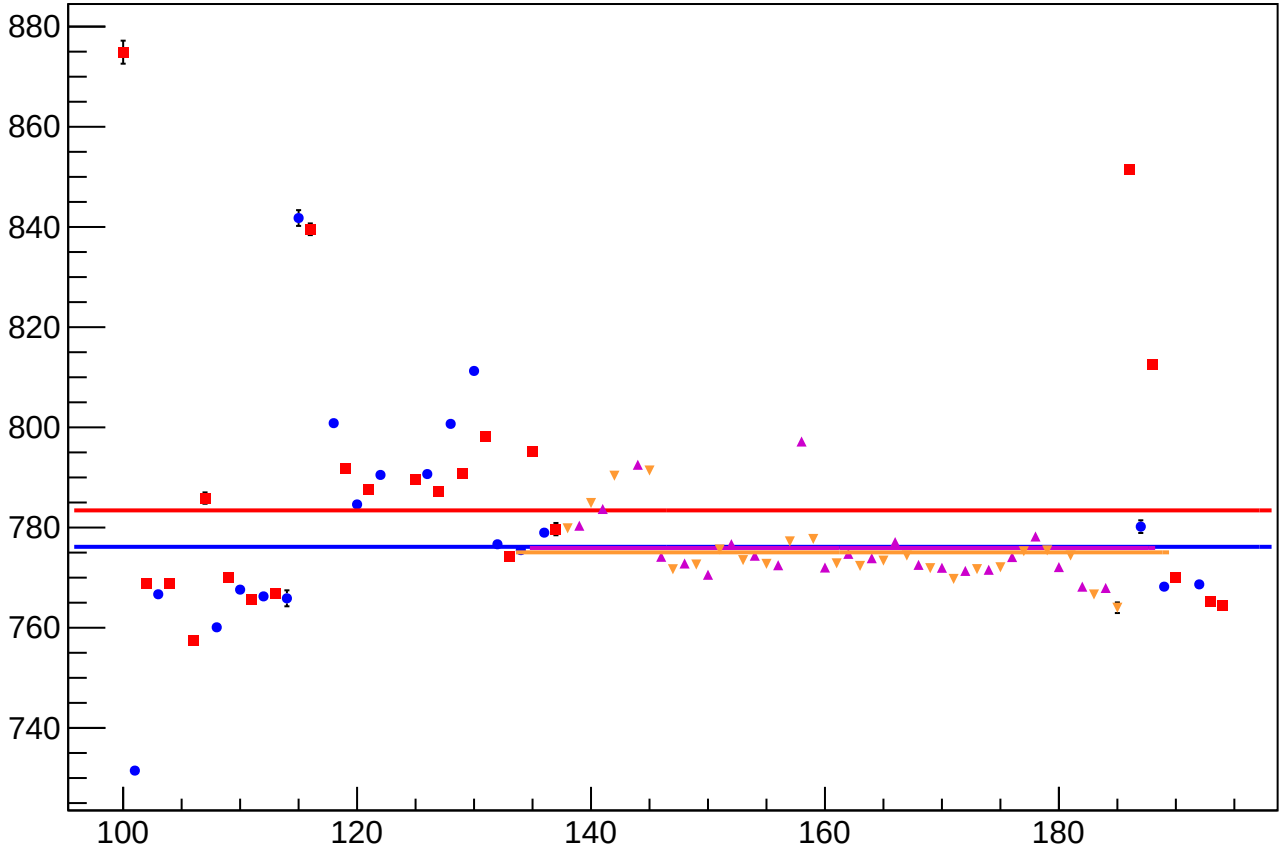
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

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

All: -89.041+/-103.291 χ^2/NDF: 68.3/88

- sign 120.015+/-144.348 χ^2/NDF: 36.3/45

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

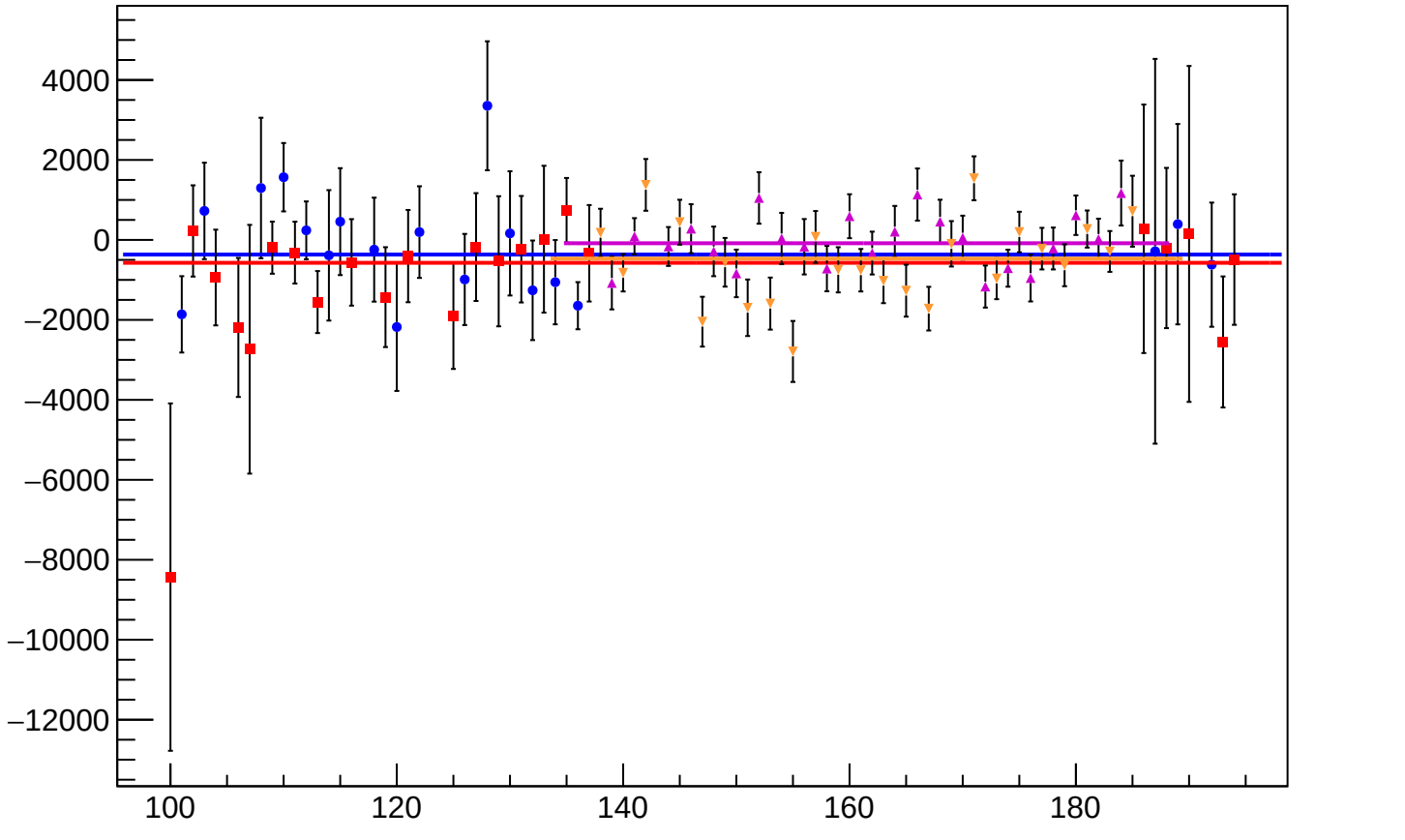
Right Out: 783.426+/-0.169 χ^2/NDF: 17671.0/22

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

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

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

- sign 778.662+/-0.102 χ^2/NDF: 21897.0/45



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

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

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

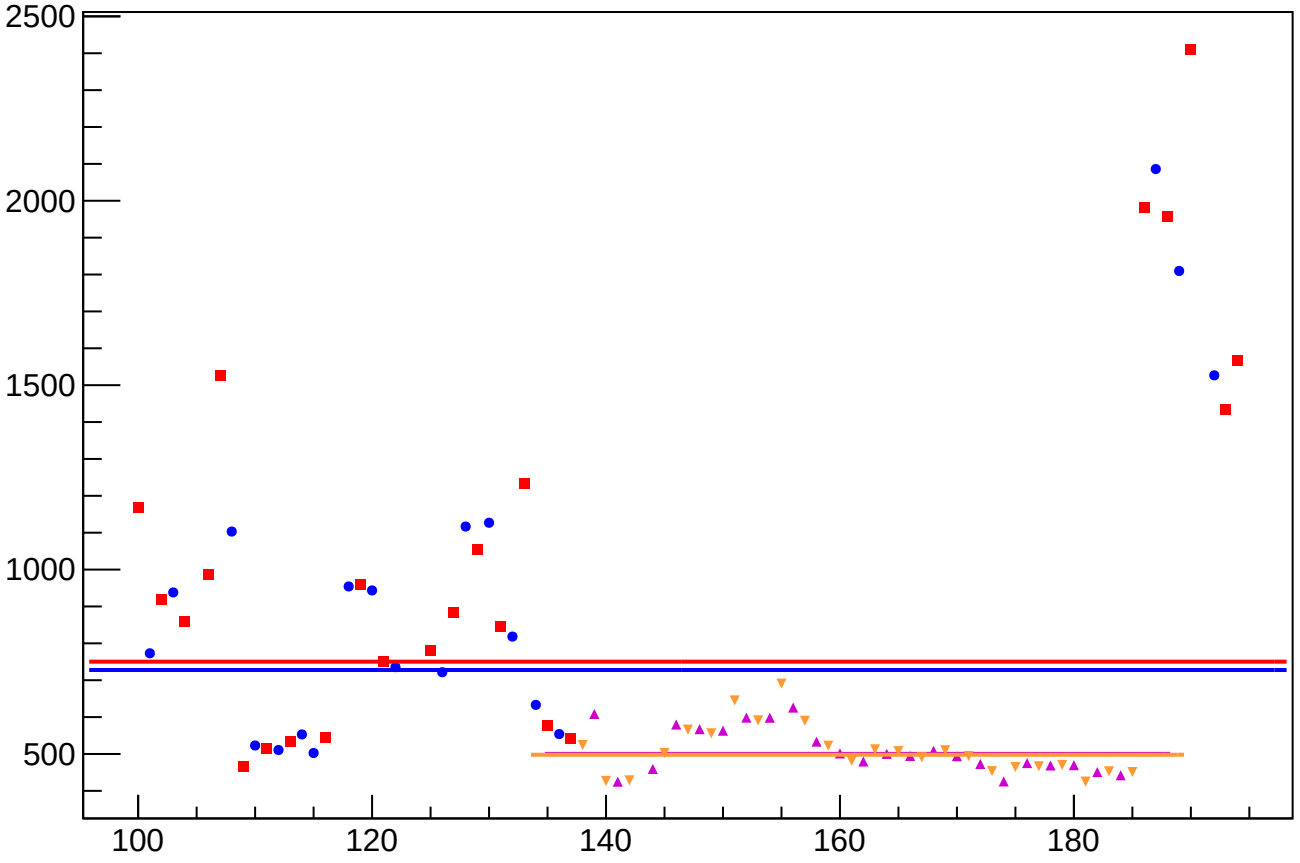
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

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

All: -310.620+/-75.428 χ^2/NDF: 135.9/88

- sign -170.348+/-106.796 χ^2/NDF: 44.5/45

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

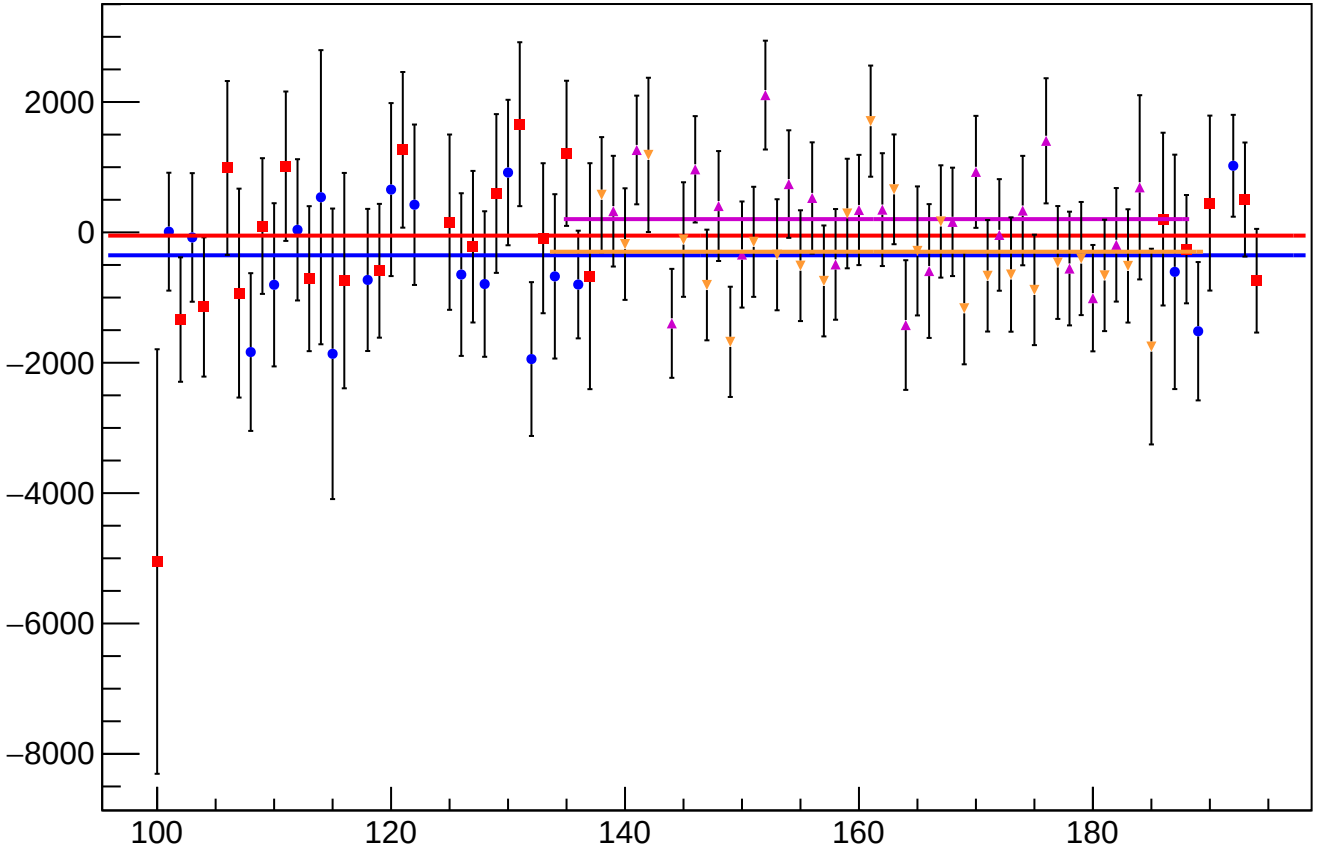
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

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

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

\- sign 544.861+/-0.076 χ^2/NDF: 5760533.3/45

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: -49.651+/-239.140 χ^2/NDF: 14.0/22

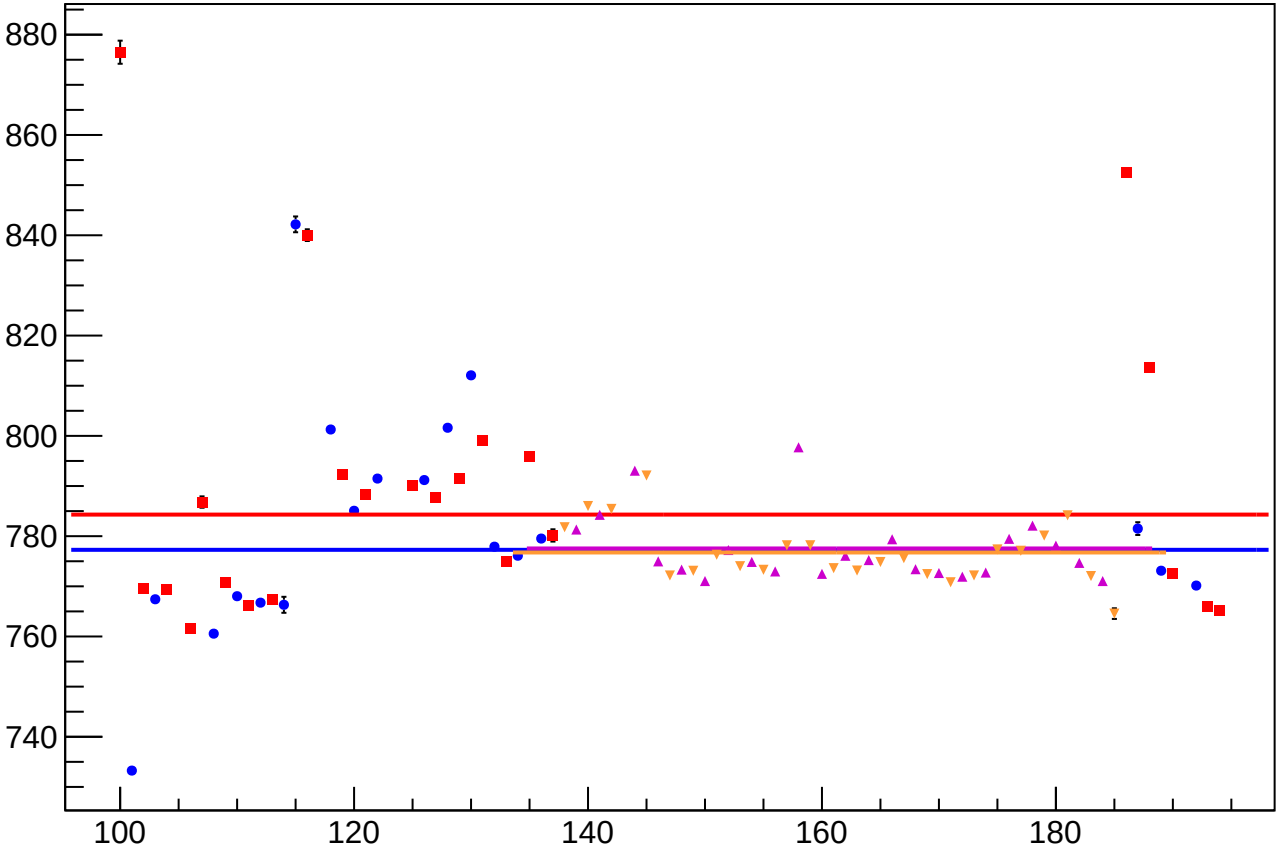
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

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

All: -96.699+/-103.482 χ^2/NDF: 69.5/88

- sign 110.841+/-144.599 χ^2/NDF: 36.8/45

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: 784.304+/-0.169 χ^2/NDF: 17525.1/22

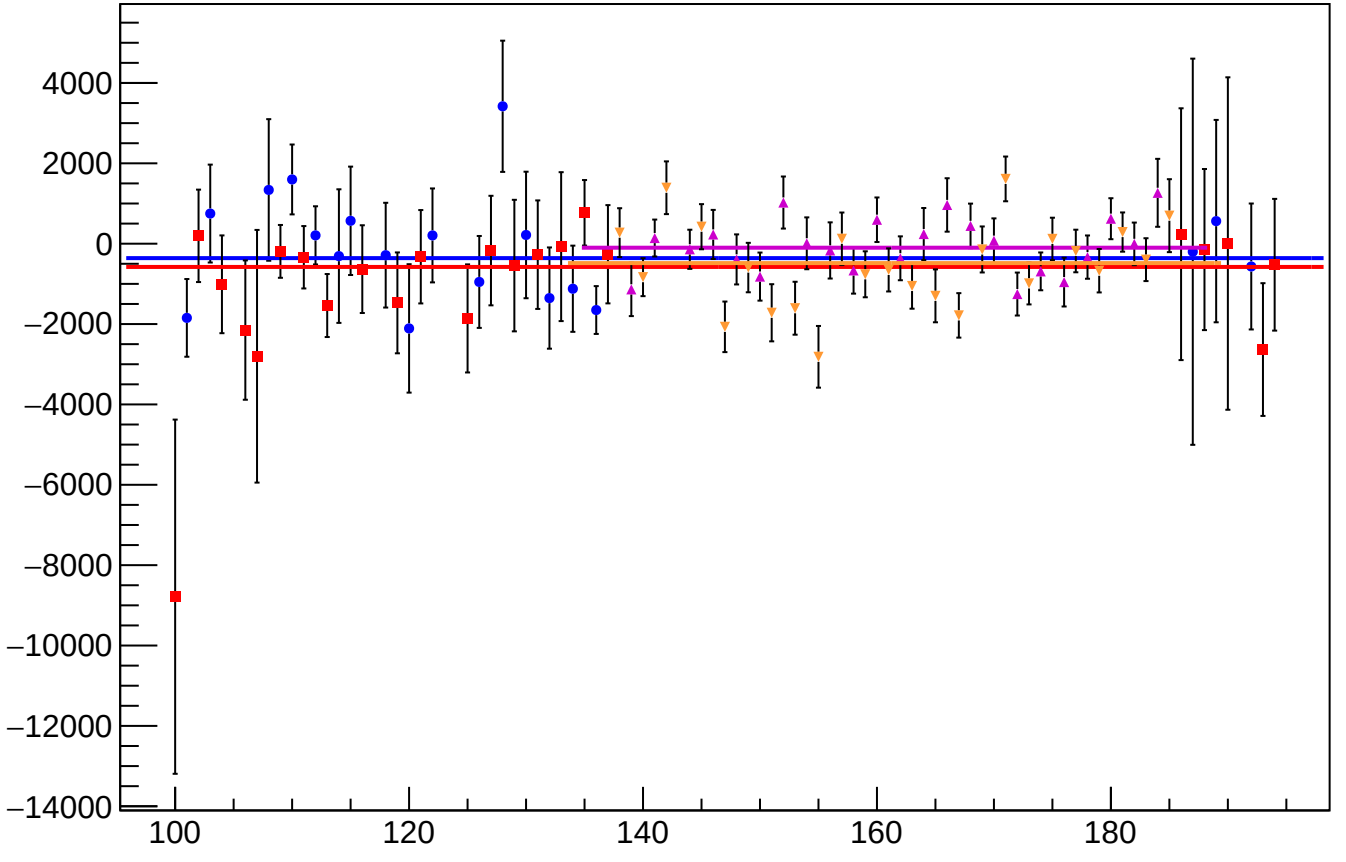
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

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

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

- sign 780.019+/-0.102 χ^2/NDF: 21287.8/45

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: -578.661+/-255.167 χ^2/NDF: 13.5/22

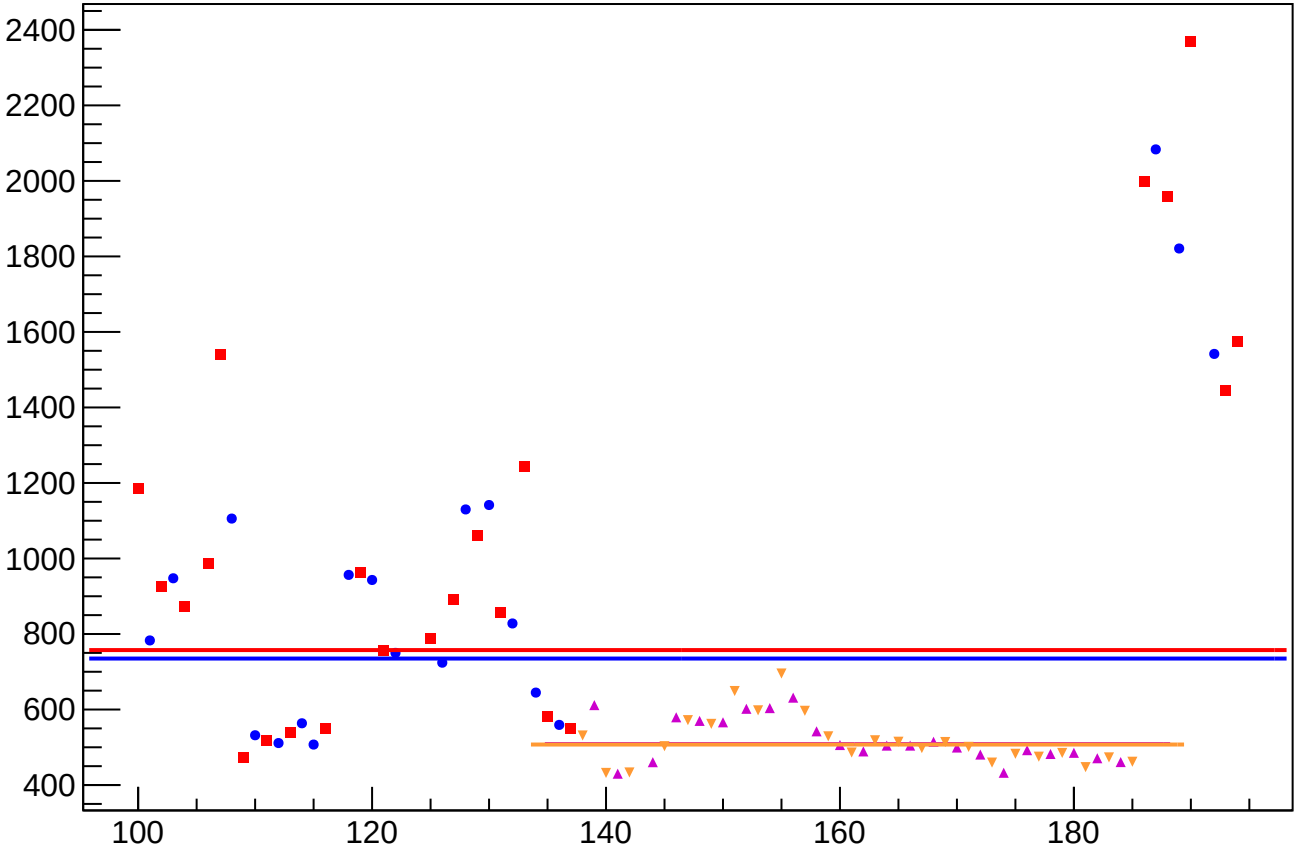
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

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

All: -324.190+/-76.601 χ^2/NDF: 135.8/88

- sign -186.296+/-108.351 χ^2/NDF: 43.8/45

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

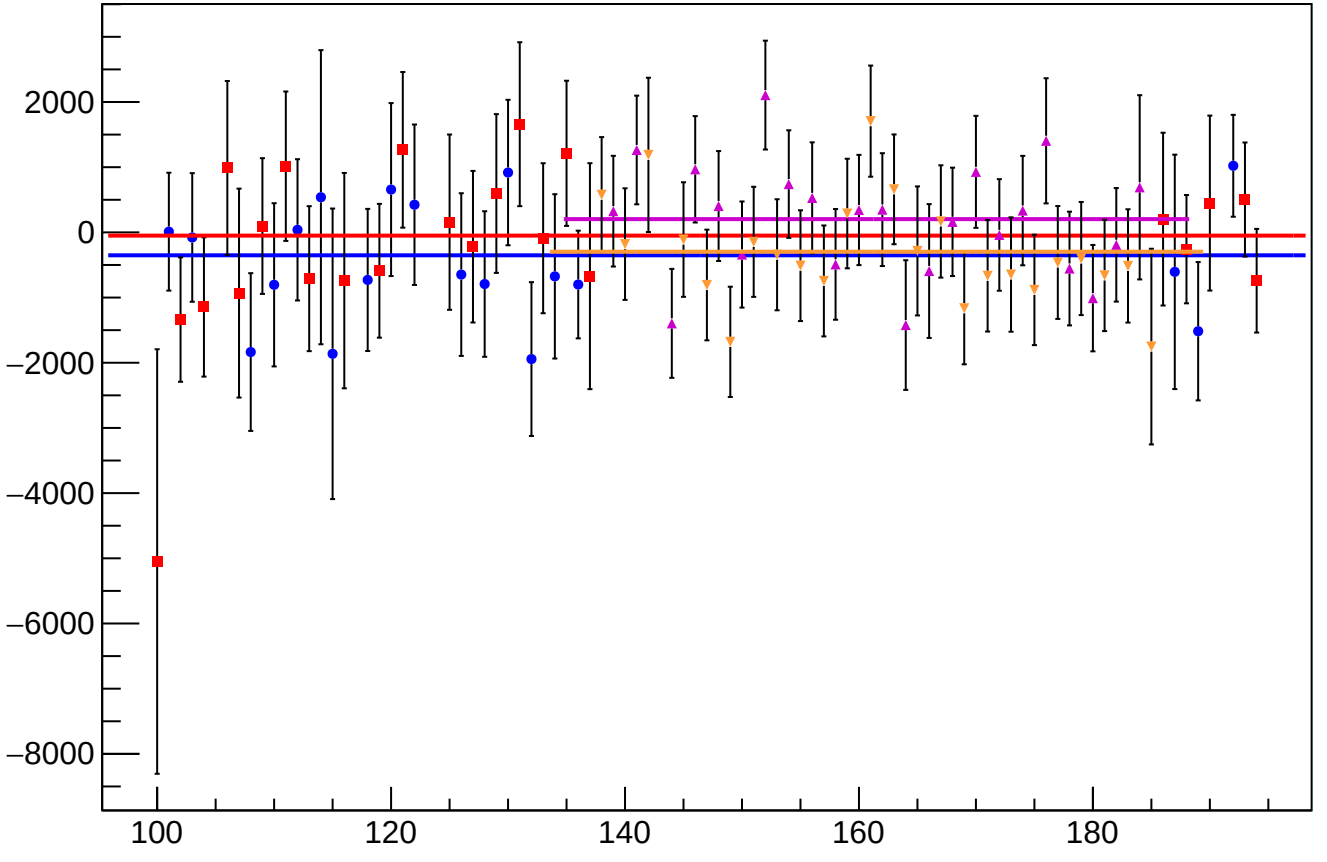
Left In: 508.638+/-0.085 χ^2/NDF:432447.1/22

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

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

\- sign 553.503+/-0.077 χ^2/NDF: 5645062.7/45

eigen_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

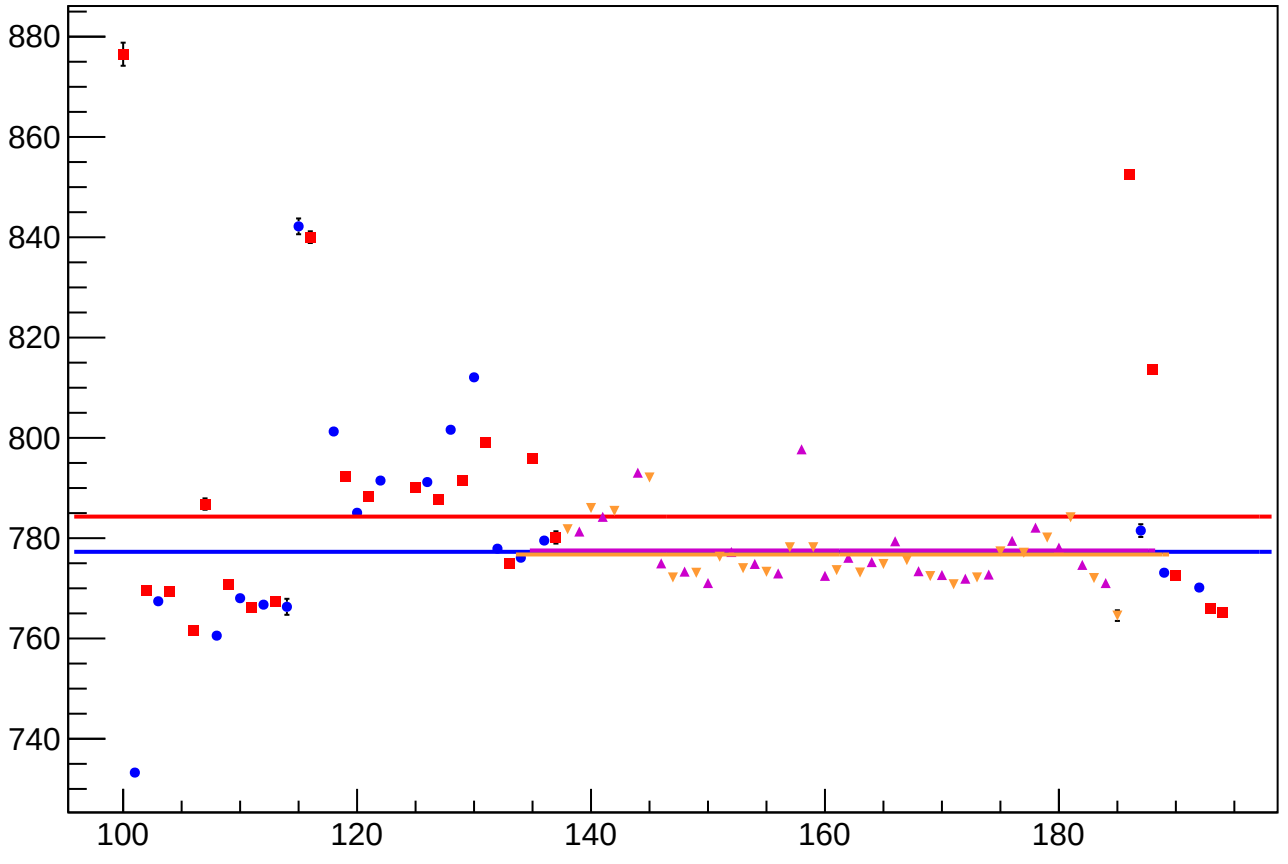
Right Out: -49.650+/-239.140 χ^2/NDF: 14.0/22

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

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

All: -96.700+/-103.482 χ^2/NDF: 69.5/88

- sign 110.841+/-144.599 χ^2/NDF: 36.8/45



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

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

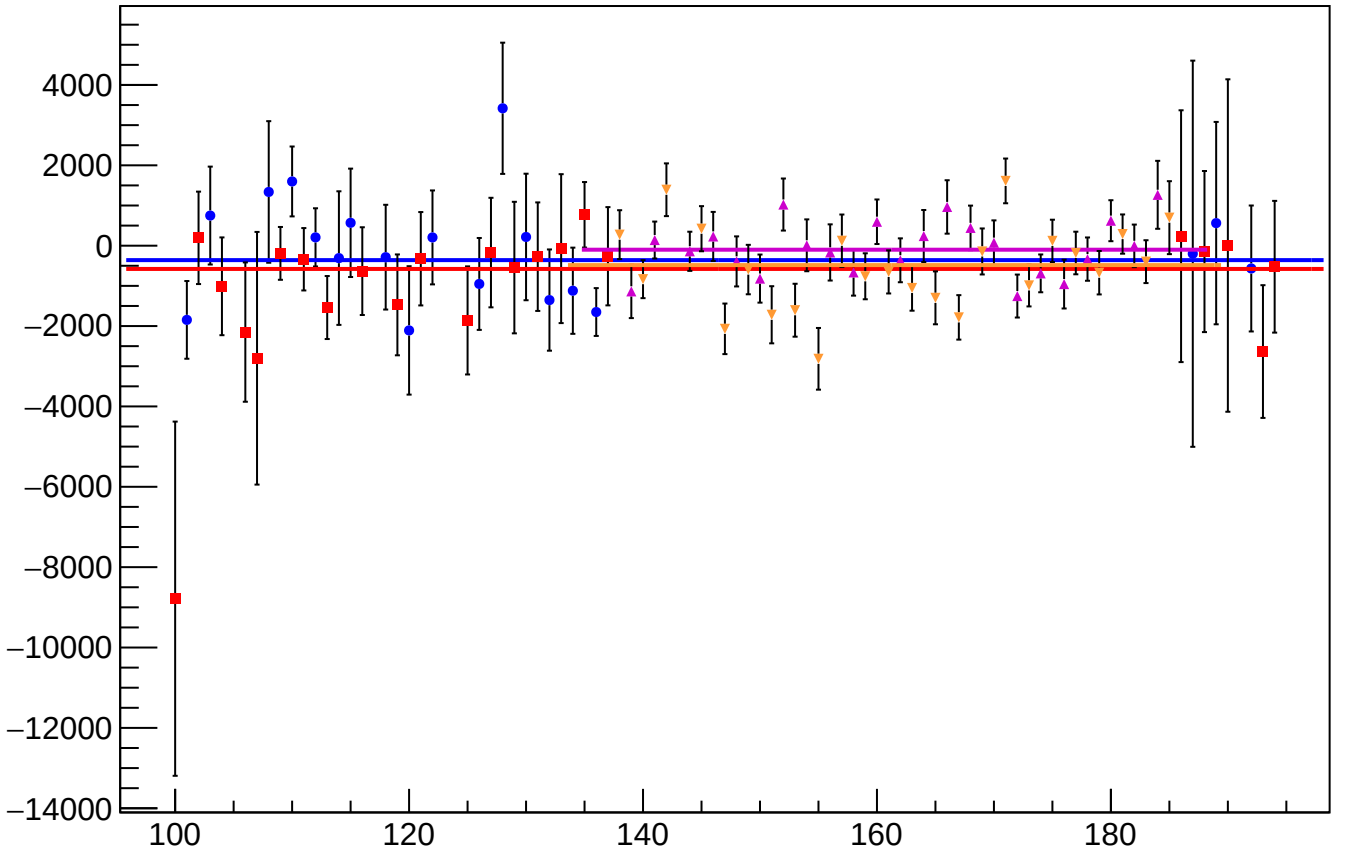
Right Out: 784.304+/-0.169 χ^2/NDF: 17525.1/22

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

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

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

- sign 780.019+/-0.102 χ^2/NDF: 21287.8/45



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

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

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

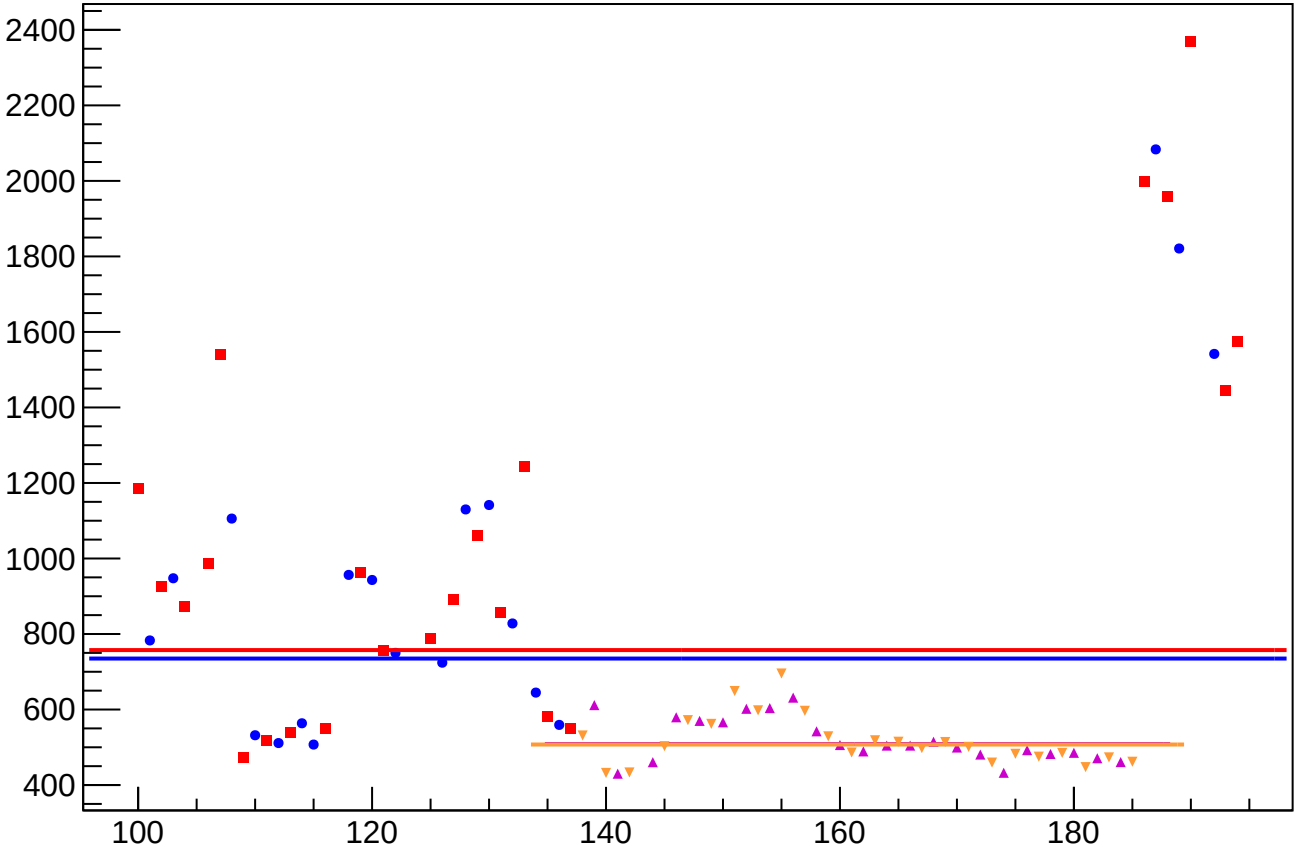
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

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

All: -324.190+/-76.601 χ^2/NDF: 135.8/88

- sign -186.296+/-108.351 χ^2/NDF: 43.8/45

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

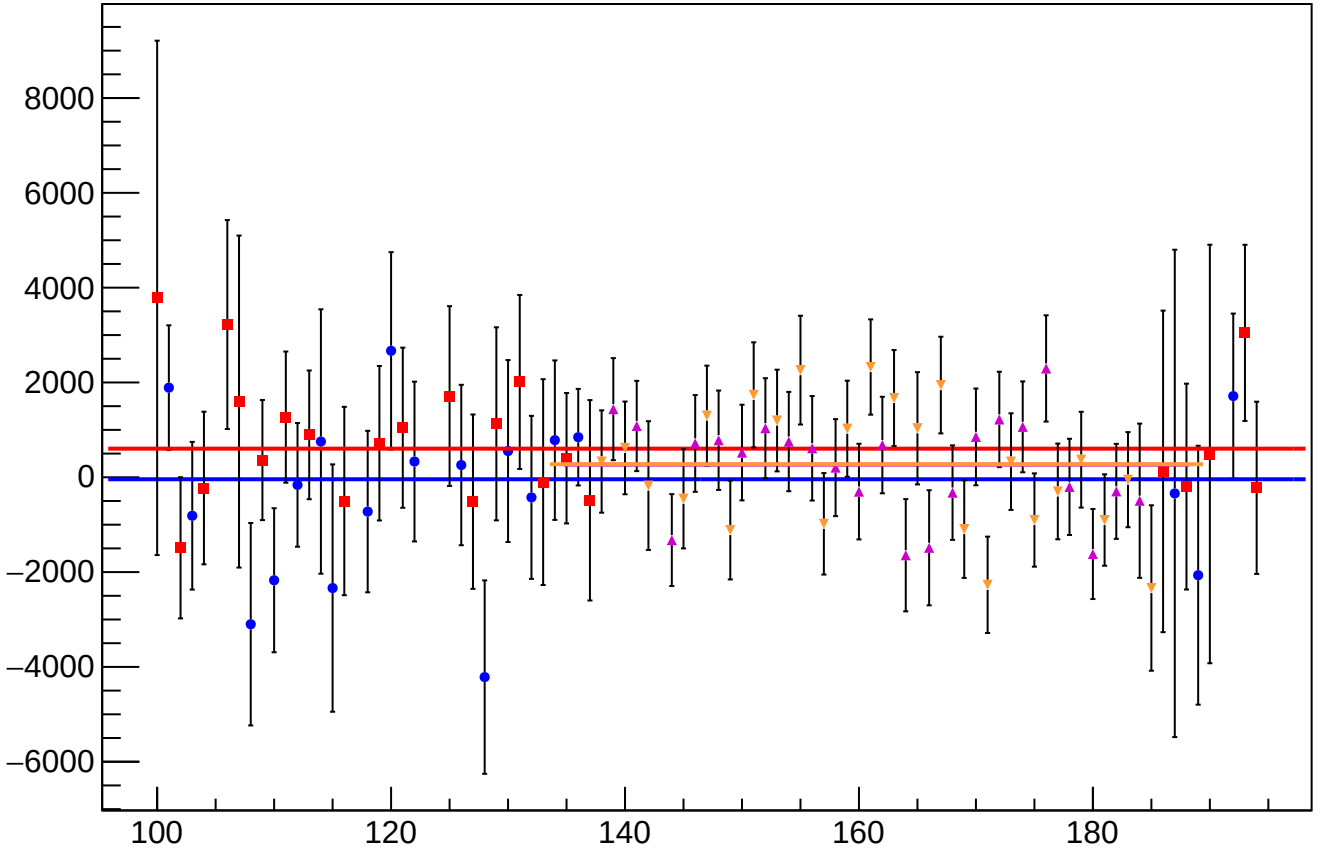
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

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

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

- sign 553.502+/-0.077 χ^2/NDF: 5645070.9/45

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: 603.922+/-382.171 χ^2/NDF: 8.6/22

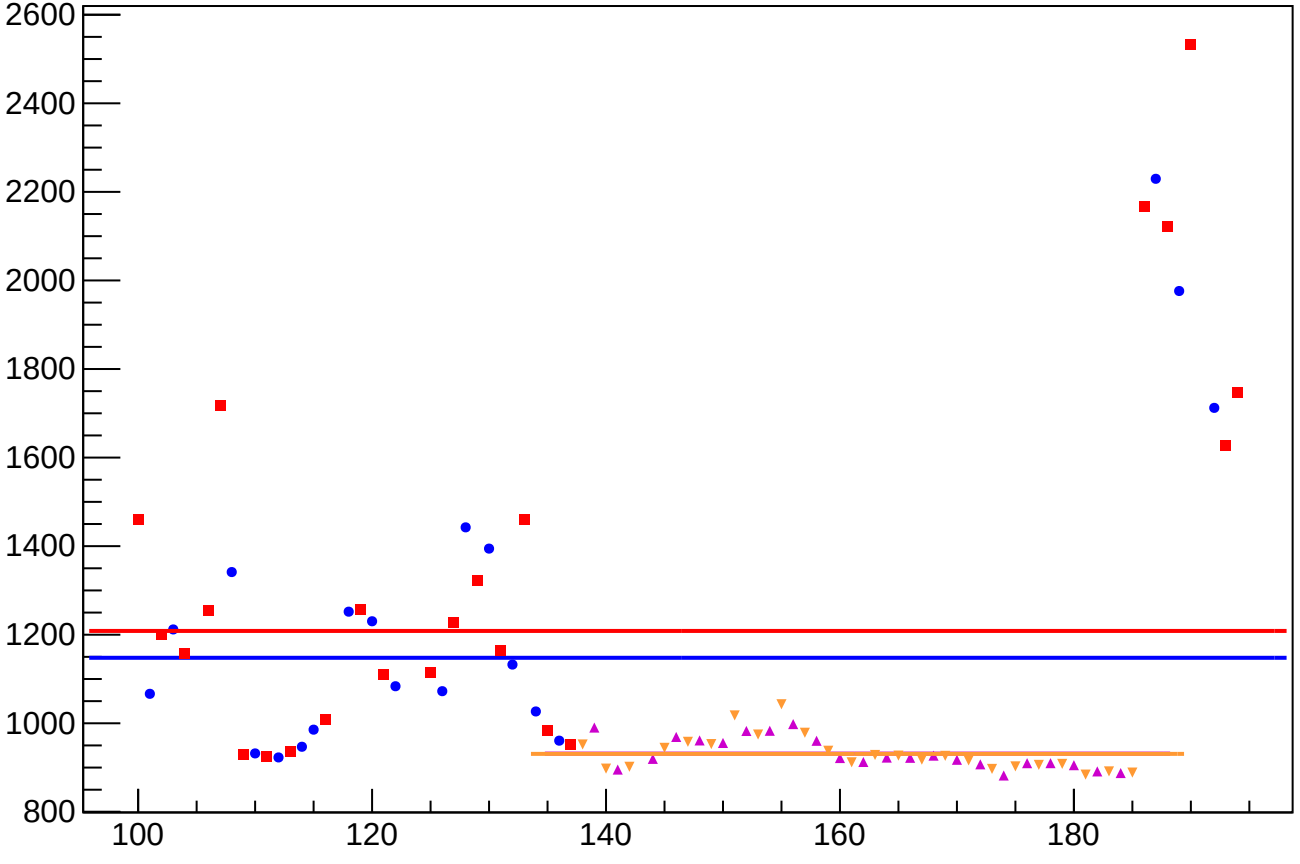
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

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

All: 275.831+/-133.896 χ^2/NDF: 81.1/88

- sign 349.579+/-189.152 χ^2/NDF: 30.6/45

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

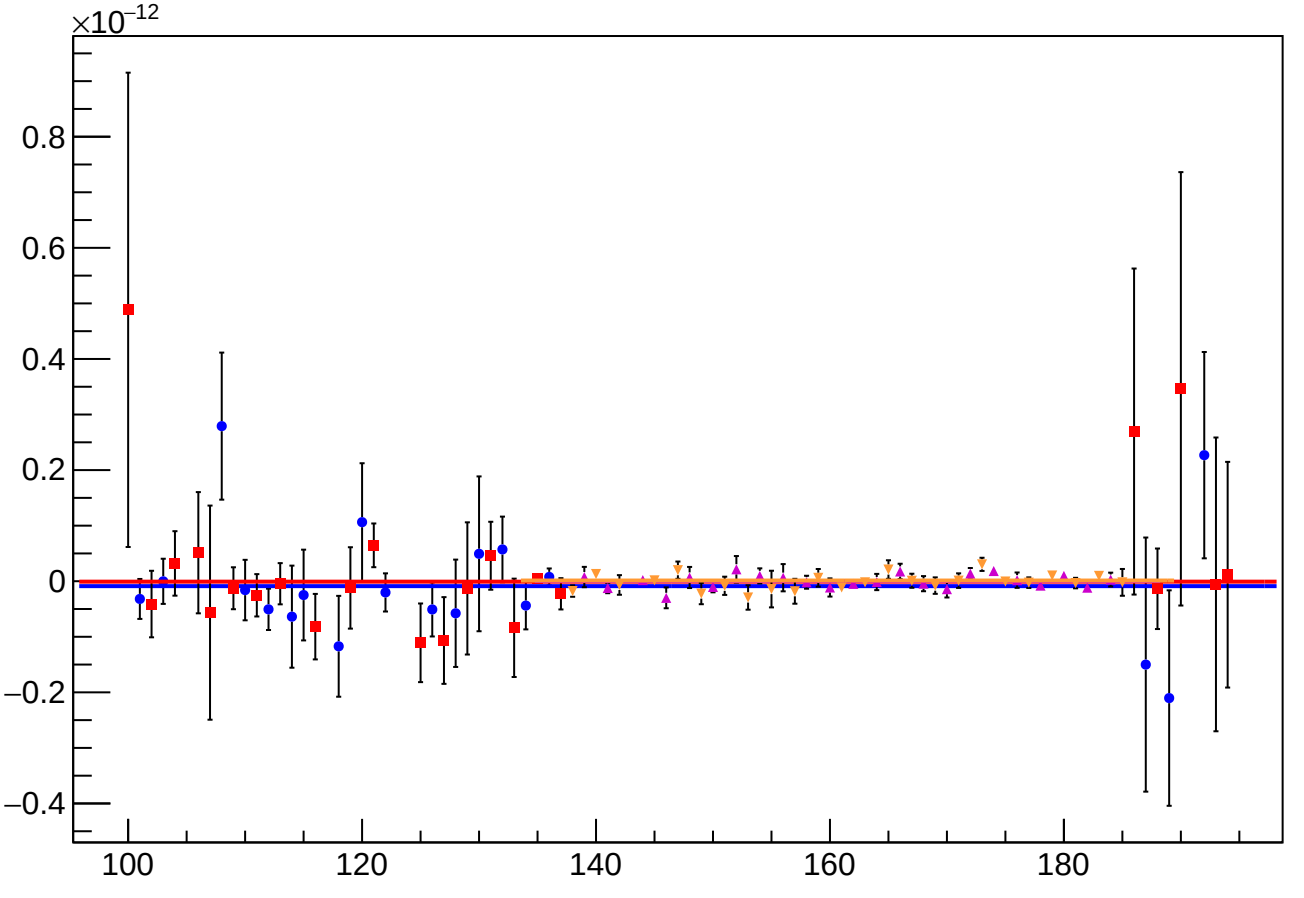
Right Out: 1208.534+/-0.270 χ^2/NDF: 1433083.0/22

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

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

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

- sign 999.411+/-0.134 χ^2/NDF: 2275138.9/45



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

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

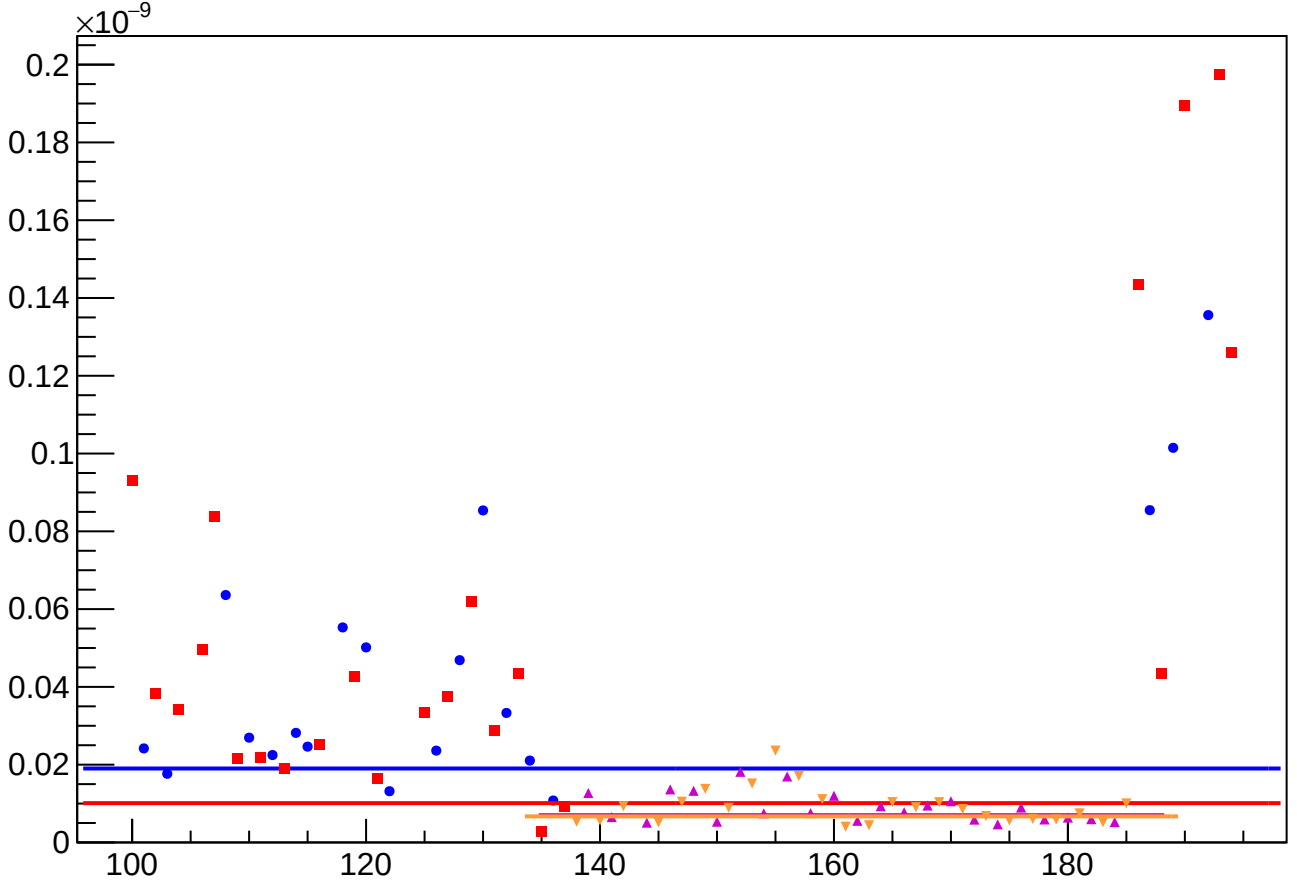
Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/22

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

+ sign 0.000+/-0.000 χ^2/NDF: 43.5/42

All: 0.000+/-0.000 χ^2/NDF: 81.7/88

- sign 0.000+/-0.000 χ^2/NDF: 38.1/45



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

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

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

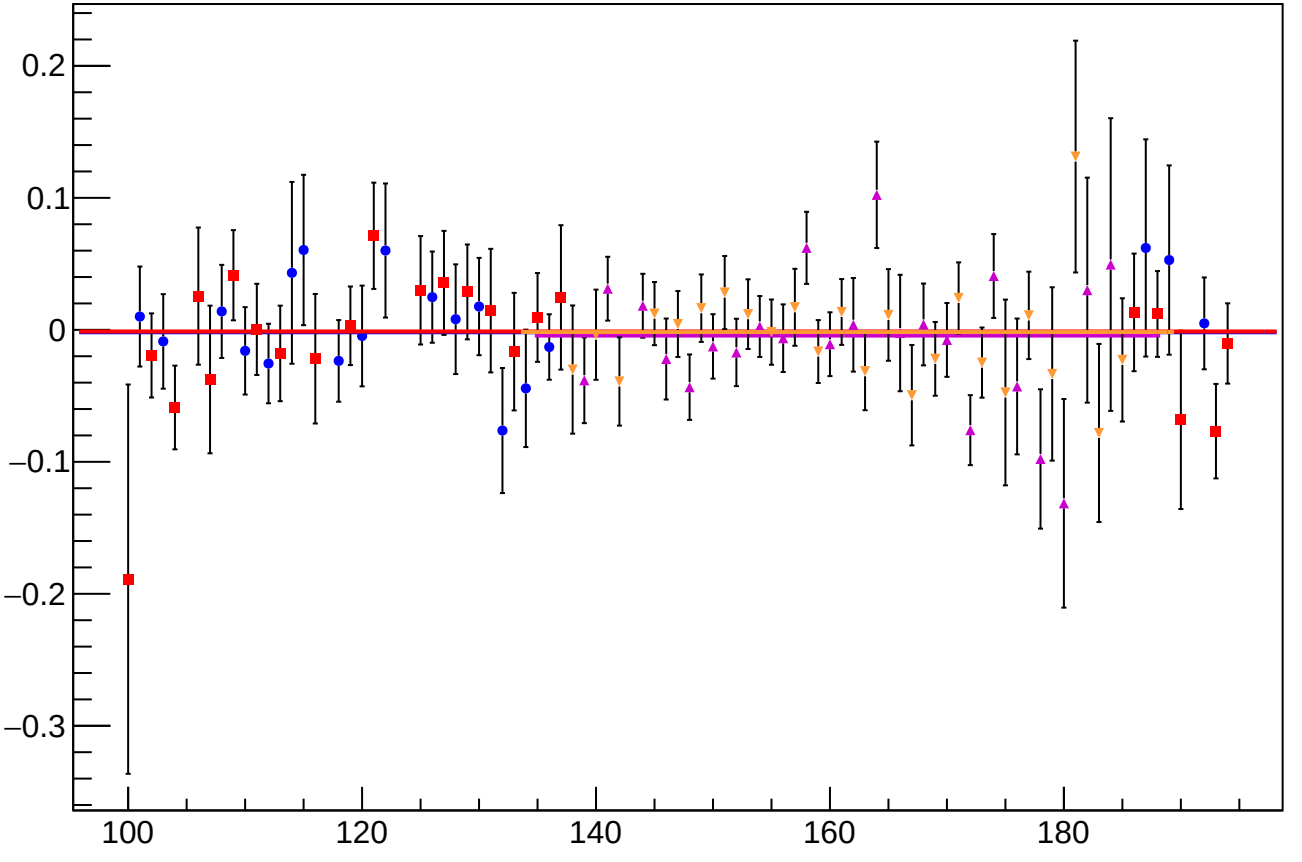
Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

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

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

- sign 0.000+/-0.000 χ^2/NDF: 10851150.4/45

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

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

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

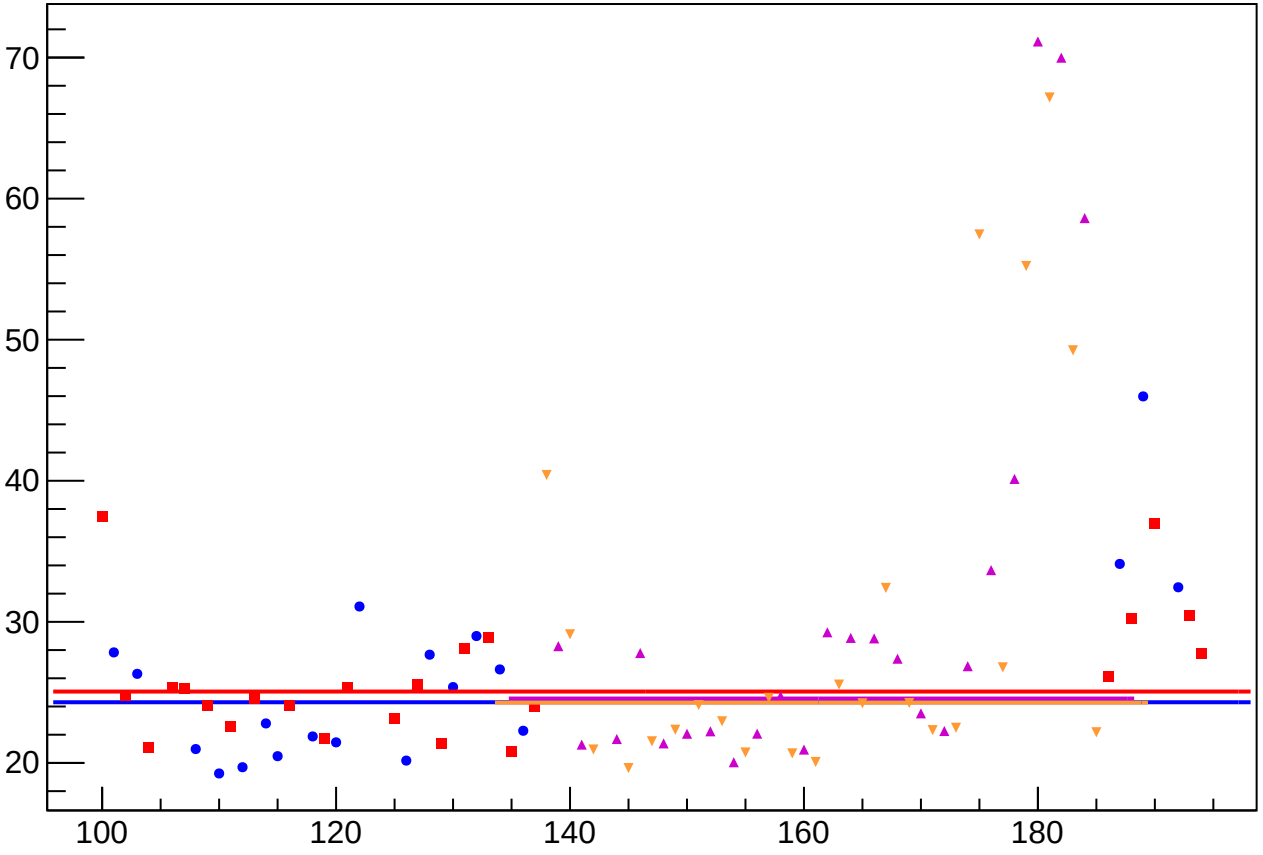
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

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

All: -0.002+/-0.004 χ^2/NDF: 81.4/88

- sign -0.003+/-0.005 χ^2/NDF: 56.3/45

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

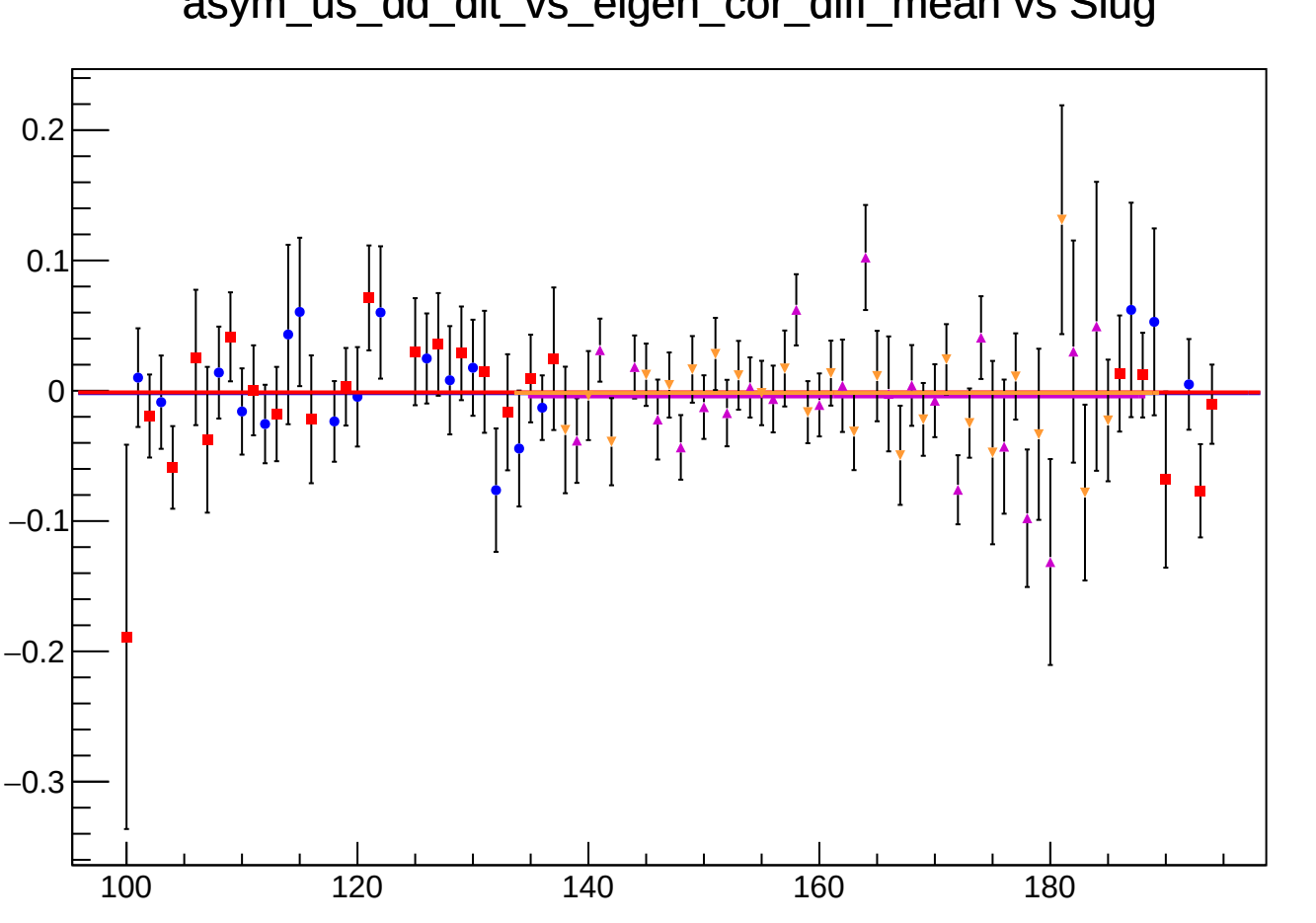
Right Out: 25.059+/-0.006 χ^2/NDF: 341881.7/22

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

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

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

- sign 24.753+/-0.004 χ^2/NDF: 2479359.8/45



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

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

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

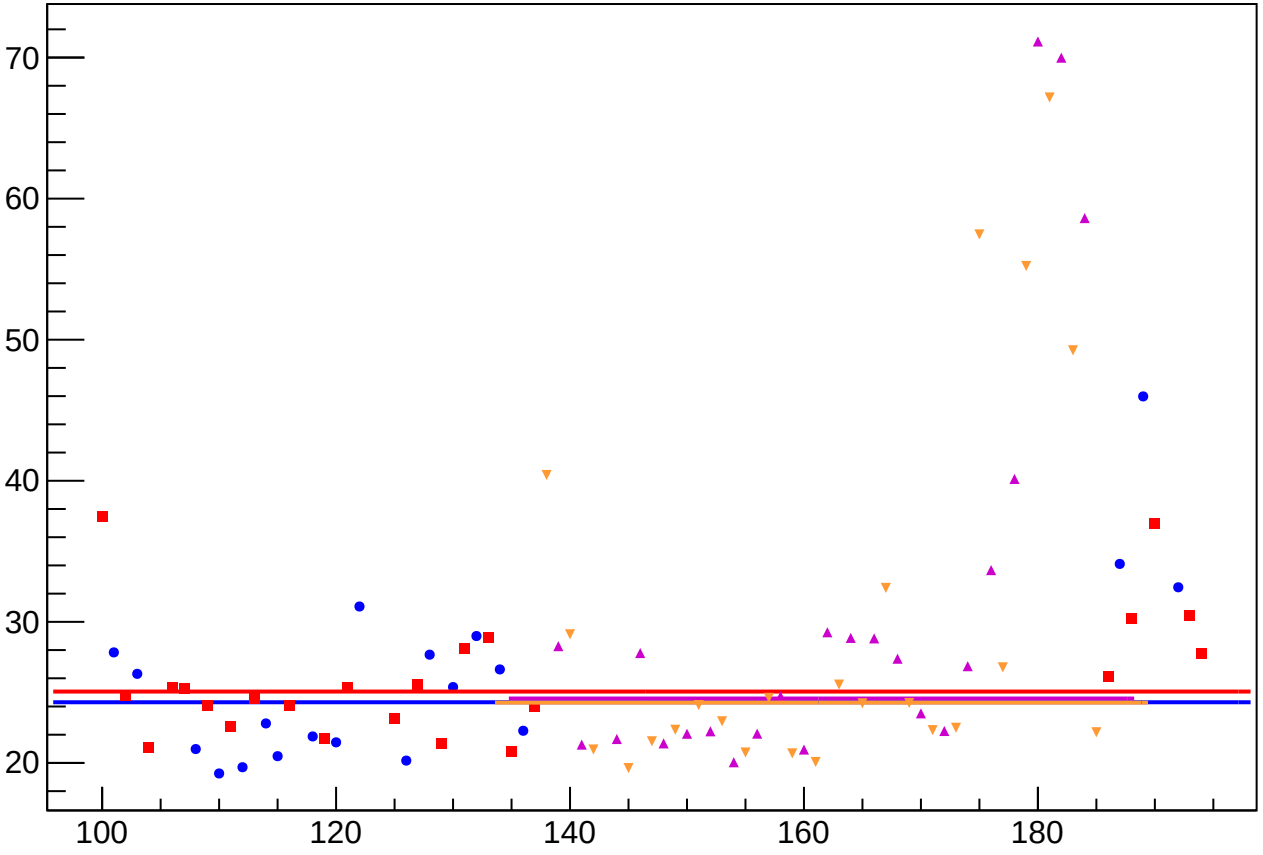
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

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

All: -0.002+/-0.004 χ^2/NDF: 81.4/88

- sign -0.003+/-0.005 χ^2/NDF: 56.3/45

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: 25.059+/-0.006 χ^2/NDF: 341881.7/22

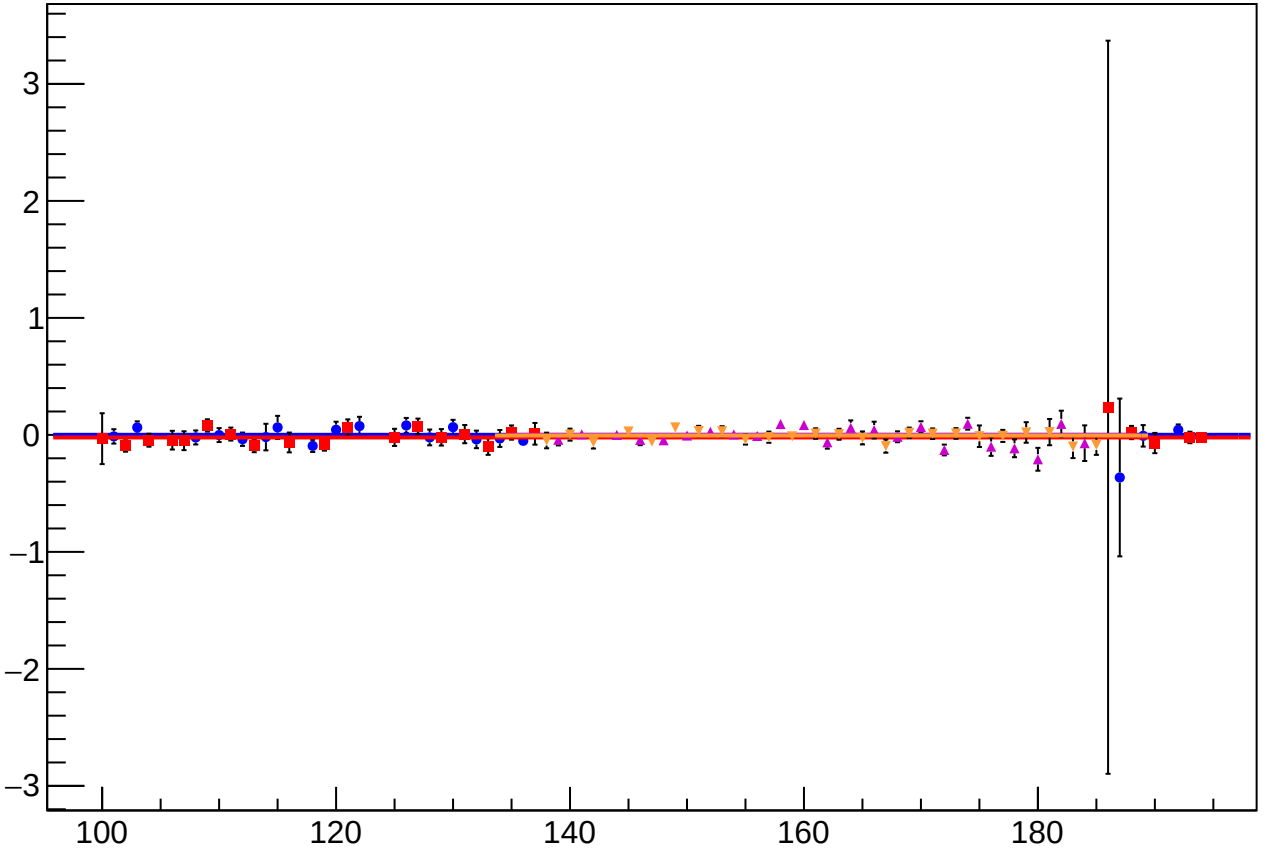
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

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

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

- sign 24.753+/-0.004 χ^2/NDF: 2479359.8/45

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+/-0.013 χ^2/NDF: 16.3/22

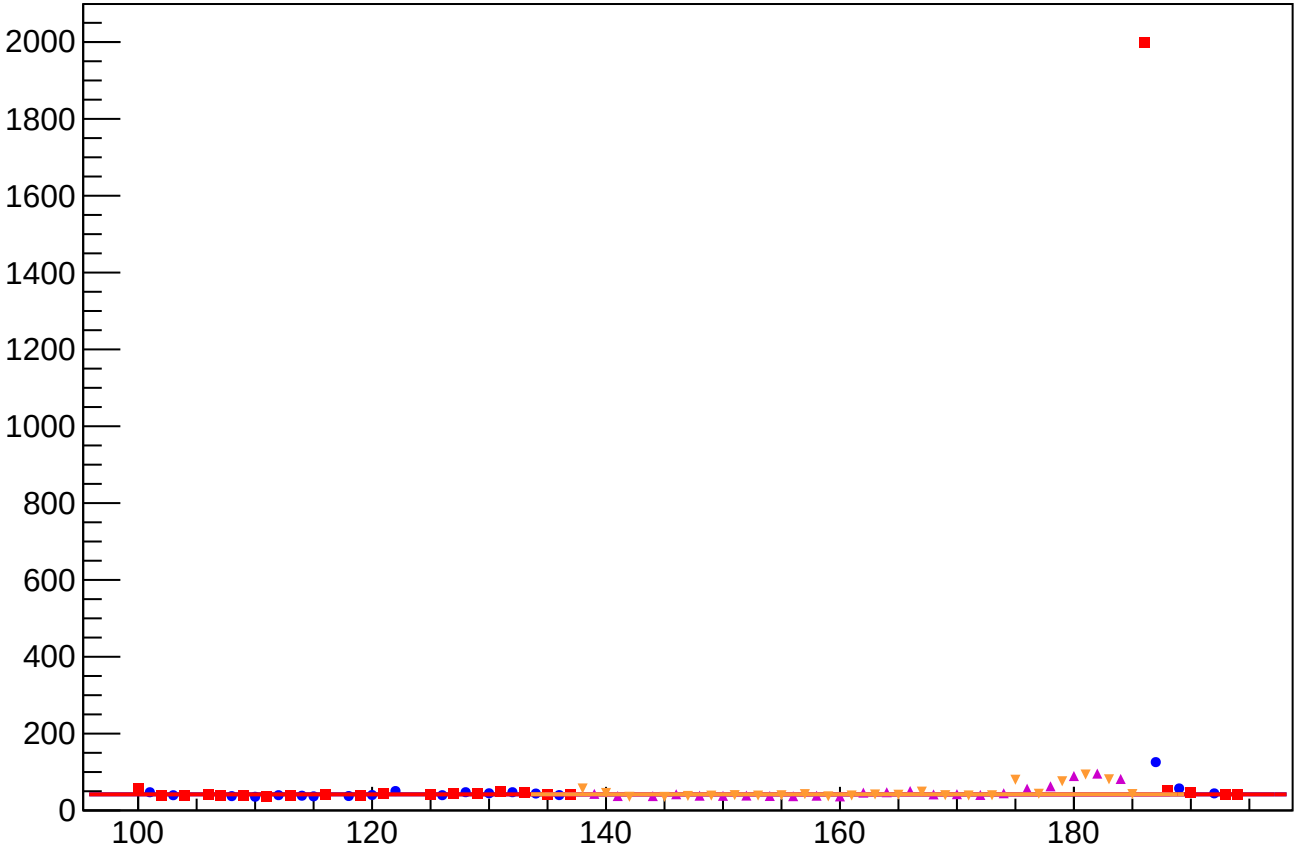
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

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

All: -0.006+/-0.006 χ^2/NDF: 82.9/88

- sign -0.008+/-0.008 χ^2/NDF: 55.9/45

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



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

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

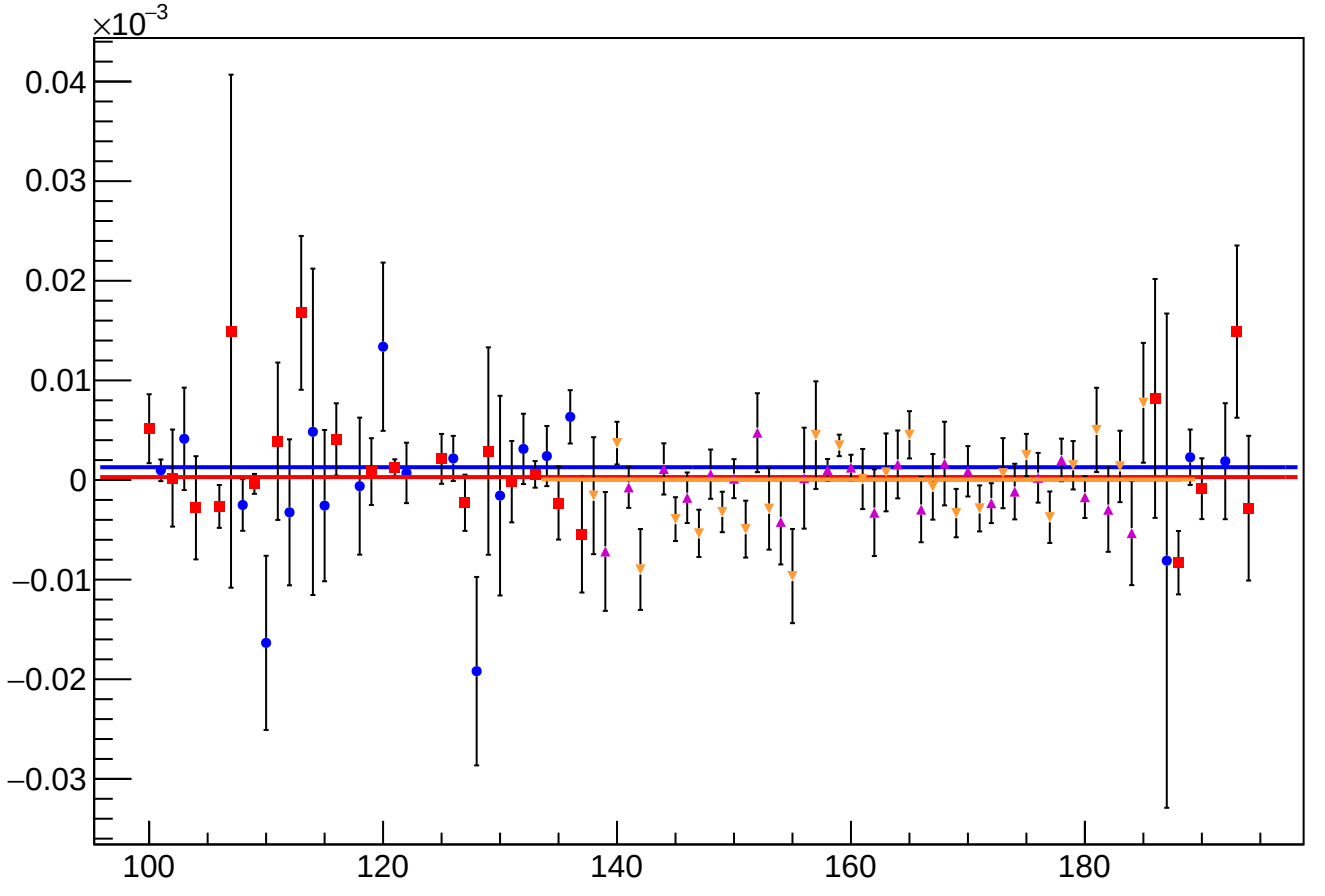
Right Out: 41.895+/-0.009 χ^2/NDF: 951400.7/22

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

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

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

- sign 42.009+/-0.006 χ^2/NDF: 2495137.6/45



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

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

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

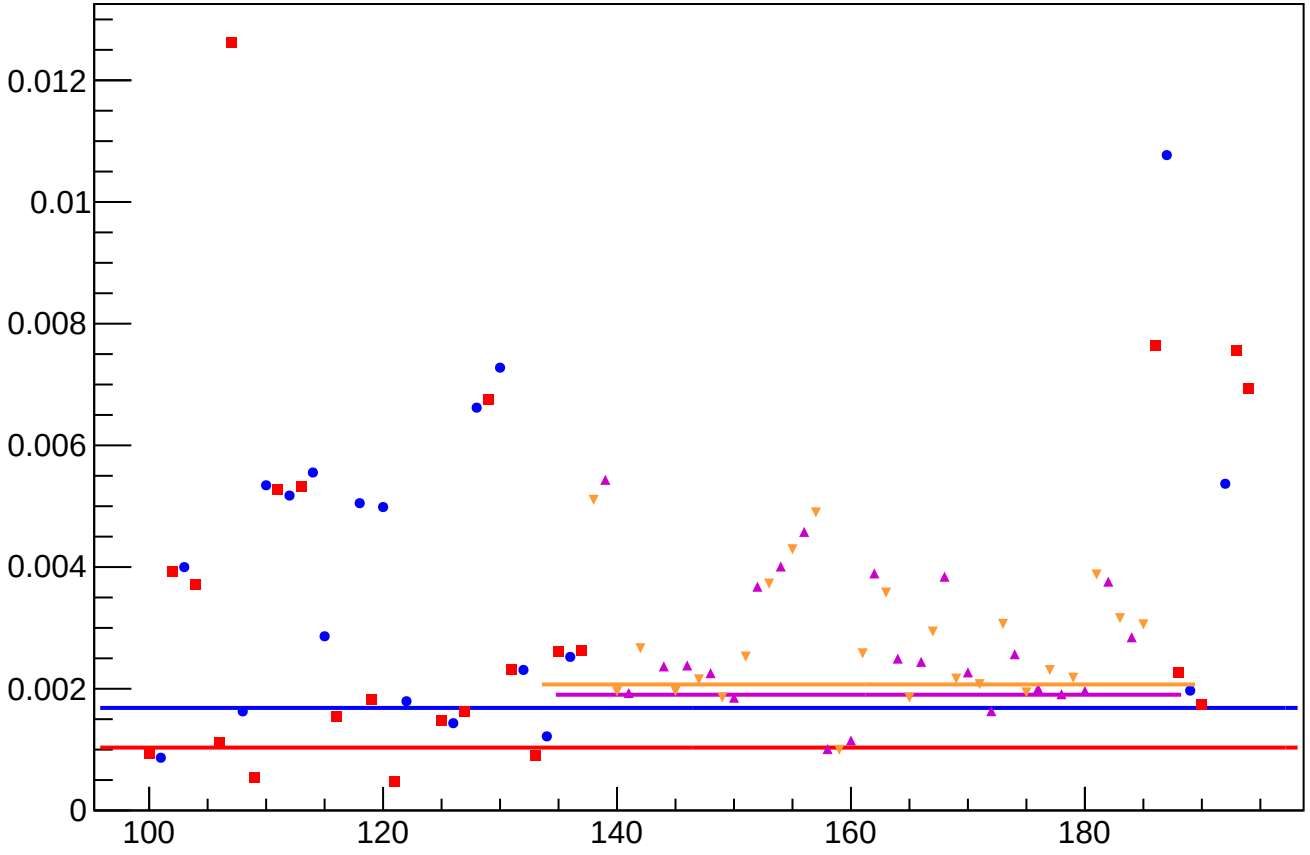
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.2/42

All: 0.000+/-0.000 χ^2/NDF: 111.7/88

- sign 0.000+/-0.000 χ^2/NDF: 39.2/45

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



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

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

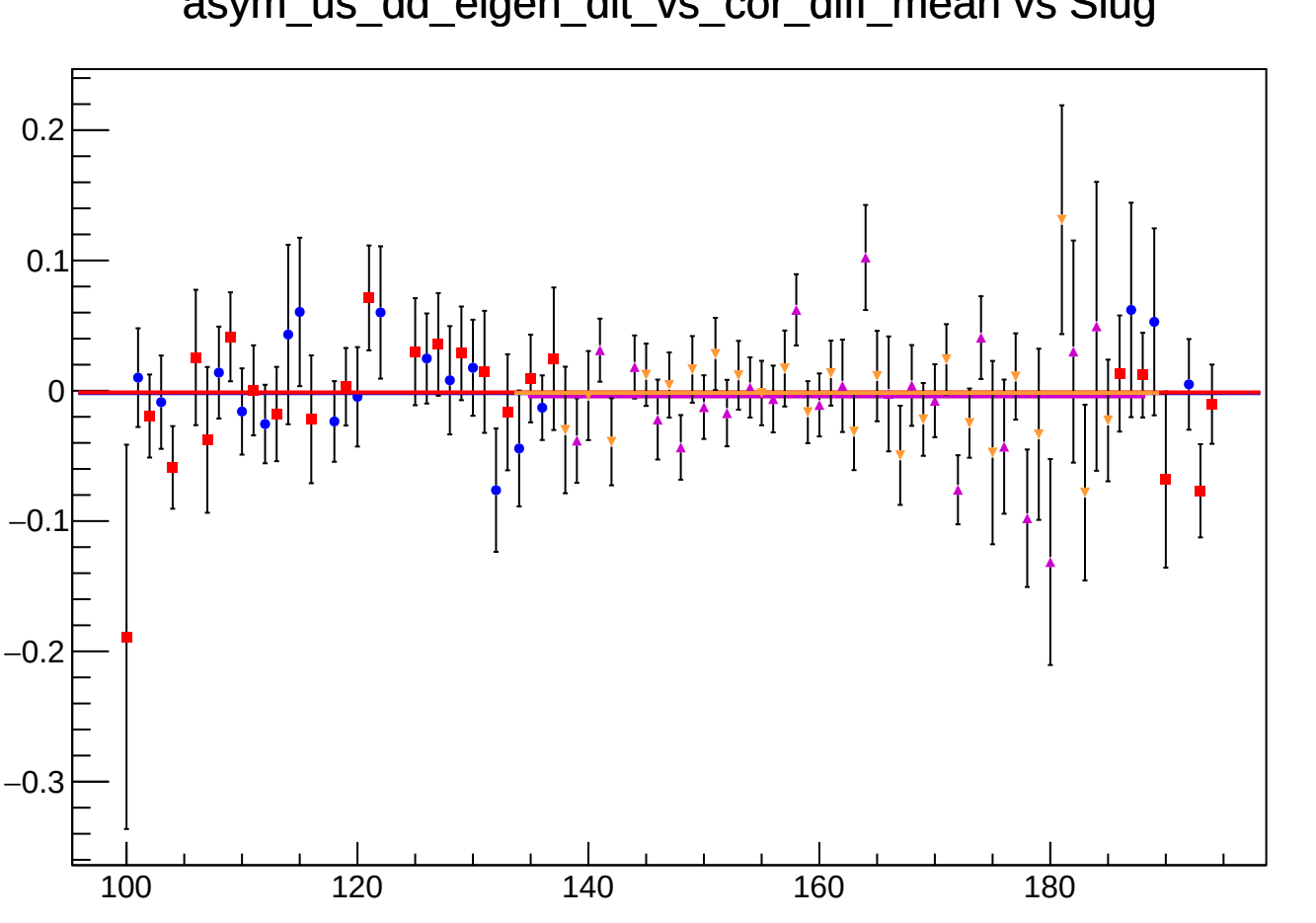
Right Out: 0.001+/-0.000 χ^2/NDF: 9354495.5/22

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

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

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

- sign 0.001+/-0.000 χ^2/NDF: 18459855.6/45



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

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

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

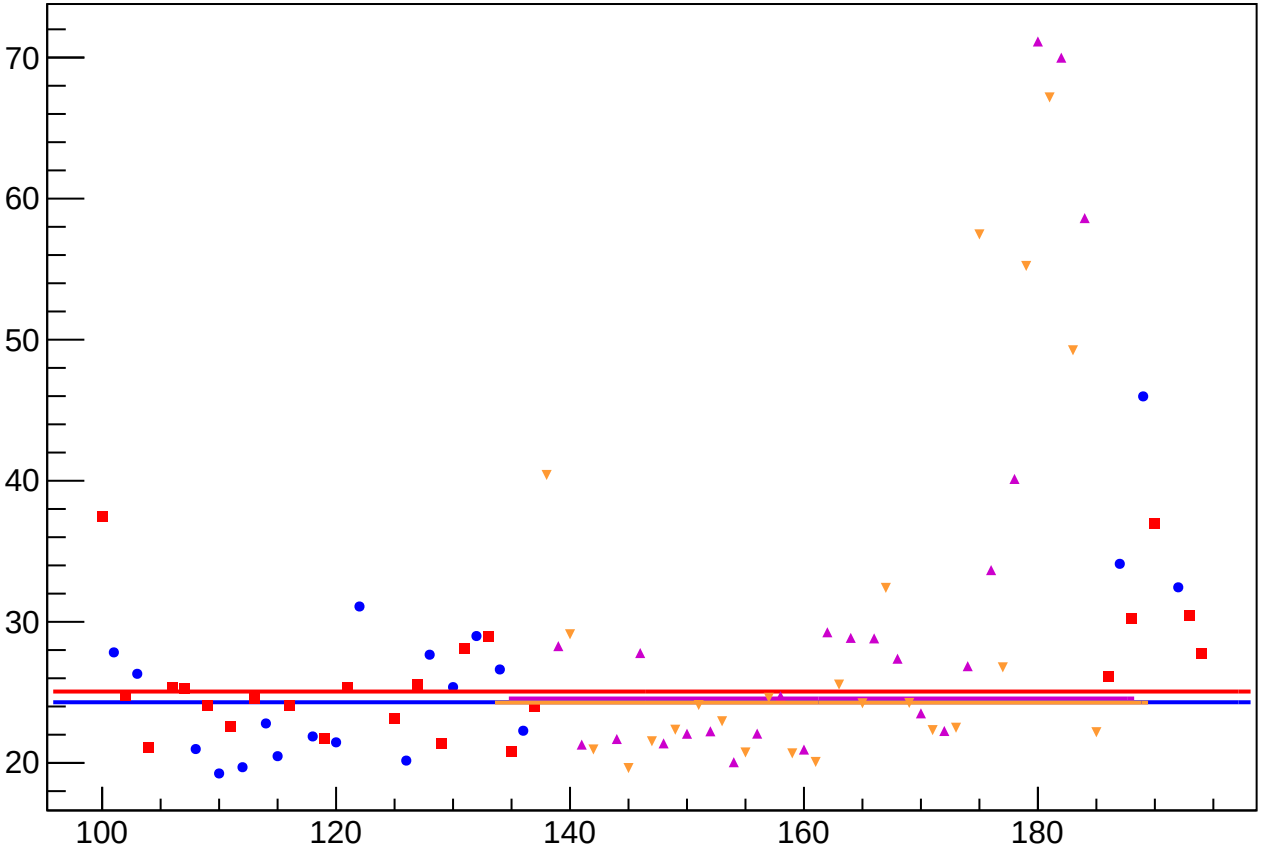
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

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

All: -0.002+/-0.004 χ^2/NDF: 81.4/88

- sign -0.003+/-0.005 χ^2/NDF: 56.3/45

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

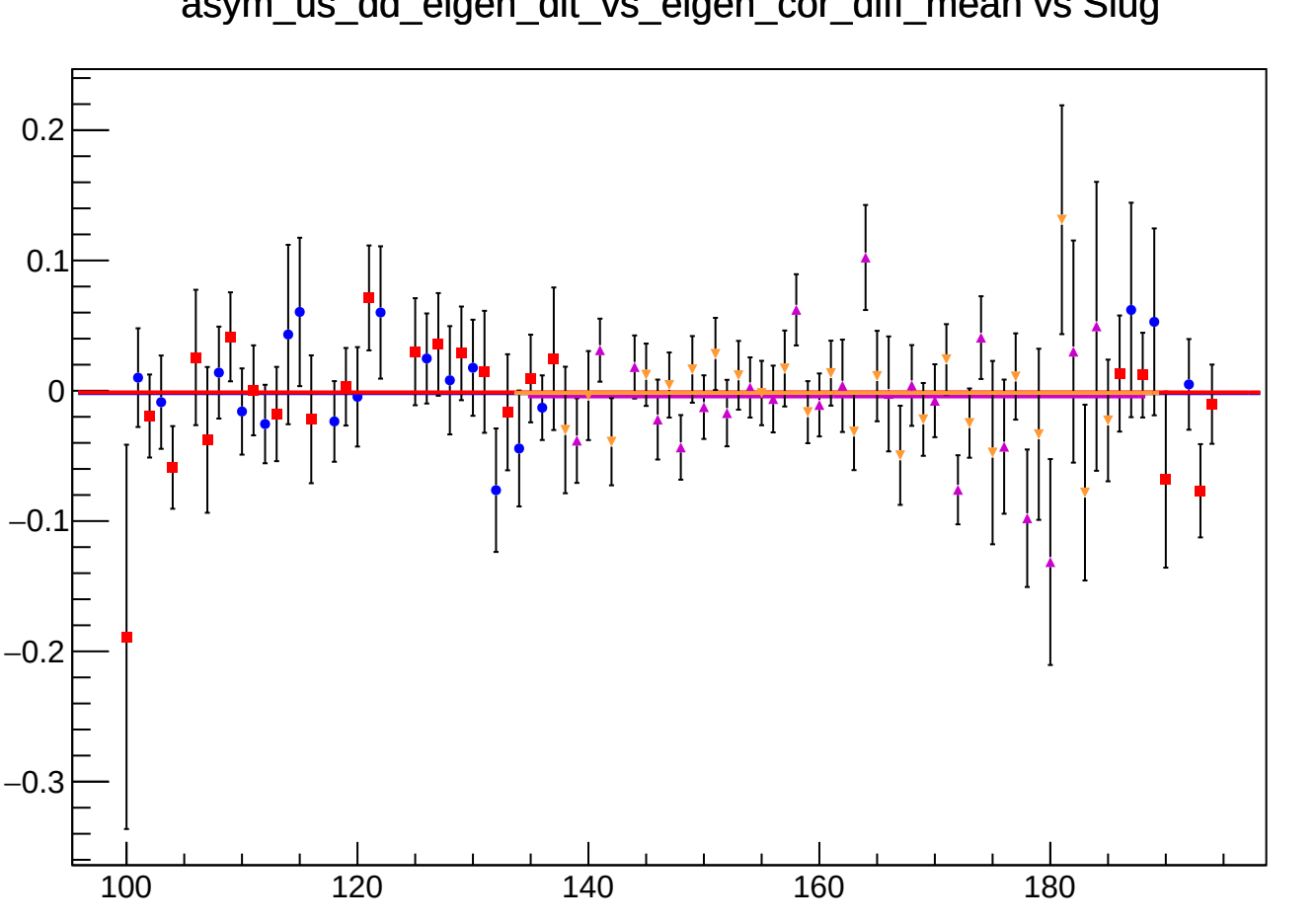
Right Out: 25.059+/-0.006 χ^2/NDF: 341780.3/22

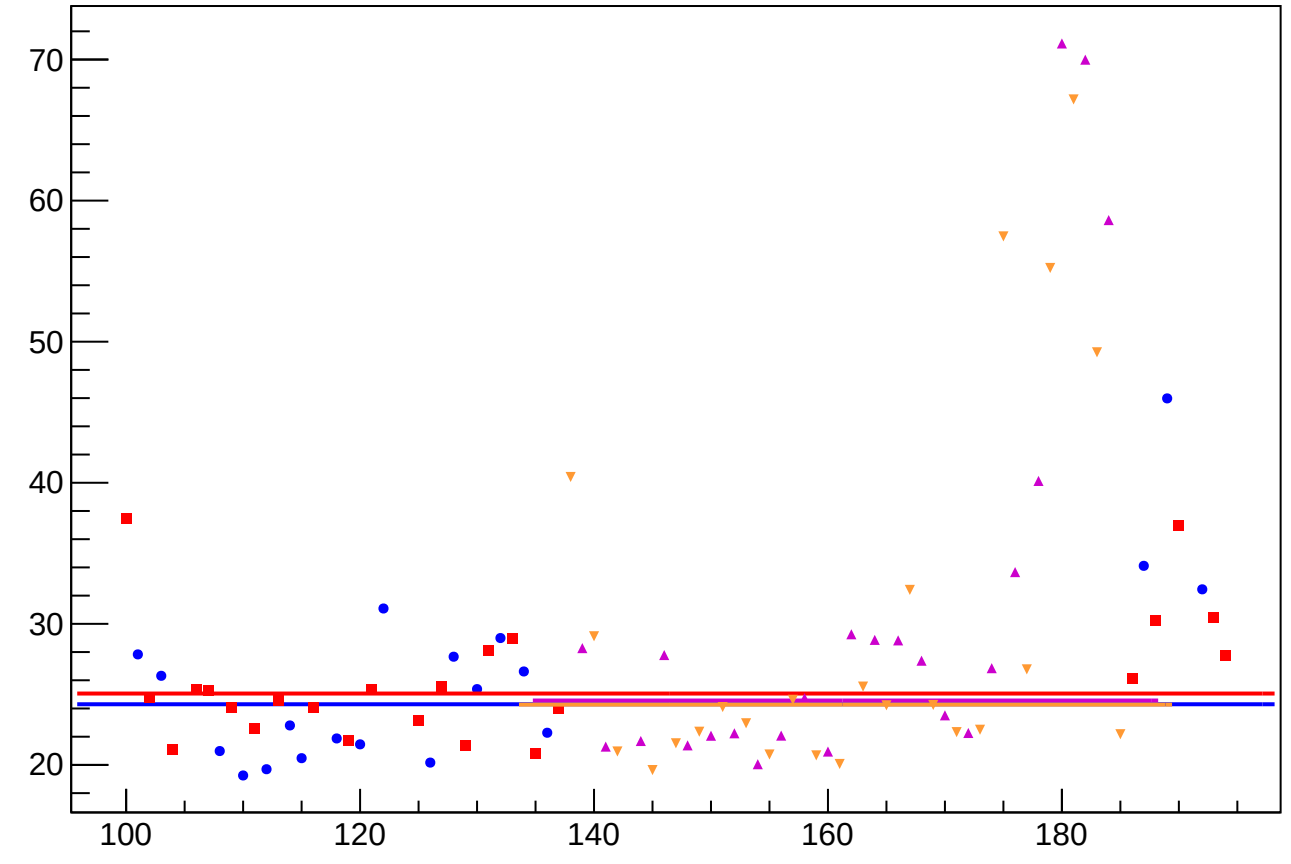
Left In: 24.565+/-0.005 χ^2/NDF:2132779.0/22

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

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

- sign 24.753+/-0.004 χ^2/NDF: 2479118.8/45


asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
Right In: -0.002+/-0.009 χ²/NDF: 10.5/18
Left Out: -0.002+/-0.006 χ²/NDF:14.6/23
Right Out: -0.001+/-0.008 χ²/NDF: 19.6/22
Left In: -0.004+/-0.006 χ²/NDF:36.5/22
+ sign -0.002+/-0.005 χ²/NDF: 25.1/42
All: -0.002+/-0.004 χ²/NDF: 81.4/88
- sign -0.003+/-0.005 χ²/NDF: 56.3/45



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

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

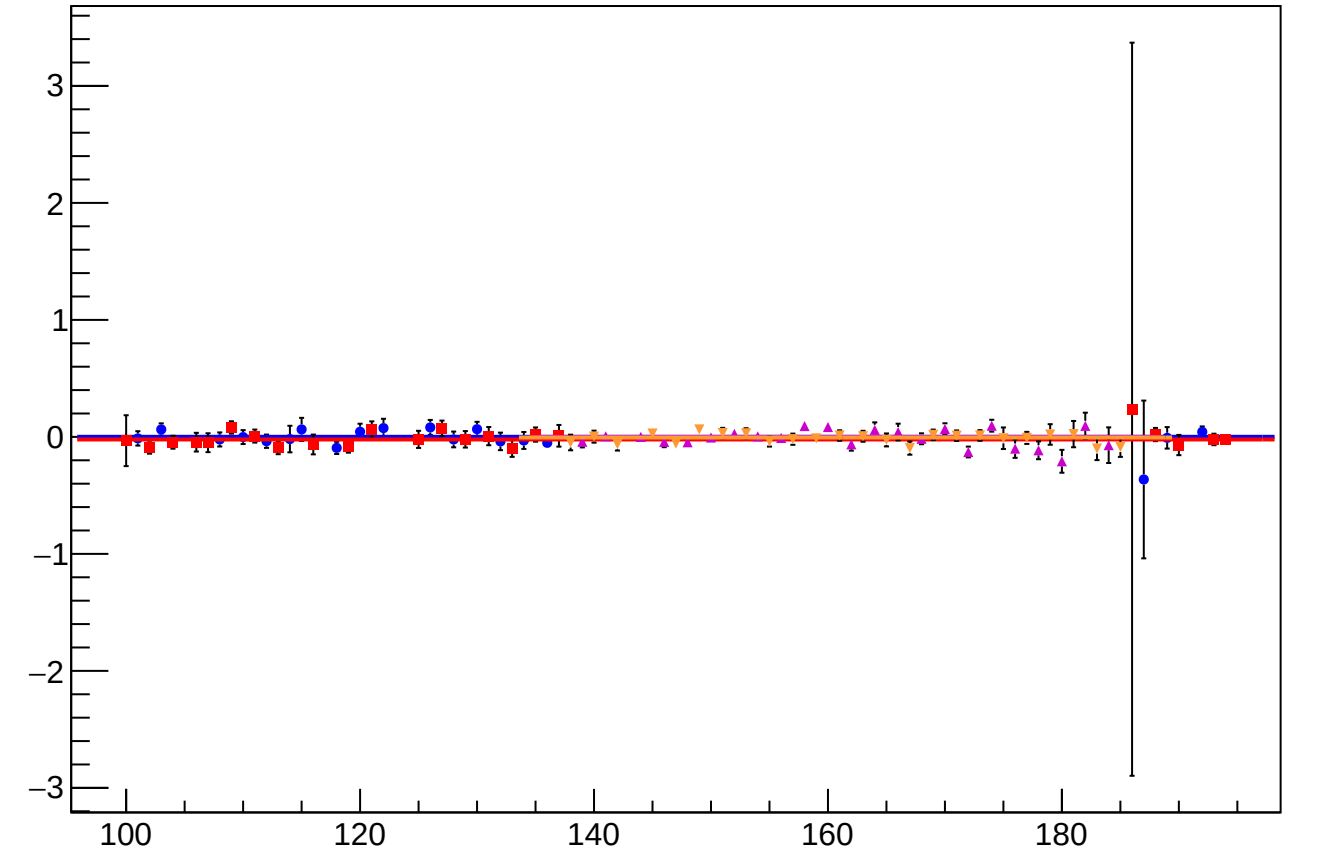
Right Out: 25.059+/-0.006 χ^2/NDF: 341780.3/22

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

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

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

- sign 24.753+/-0.004 χ^2/NDF: 2479118.8/45



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

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

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

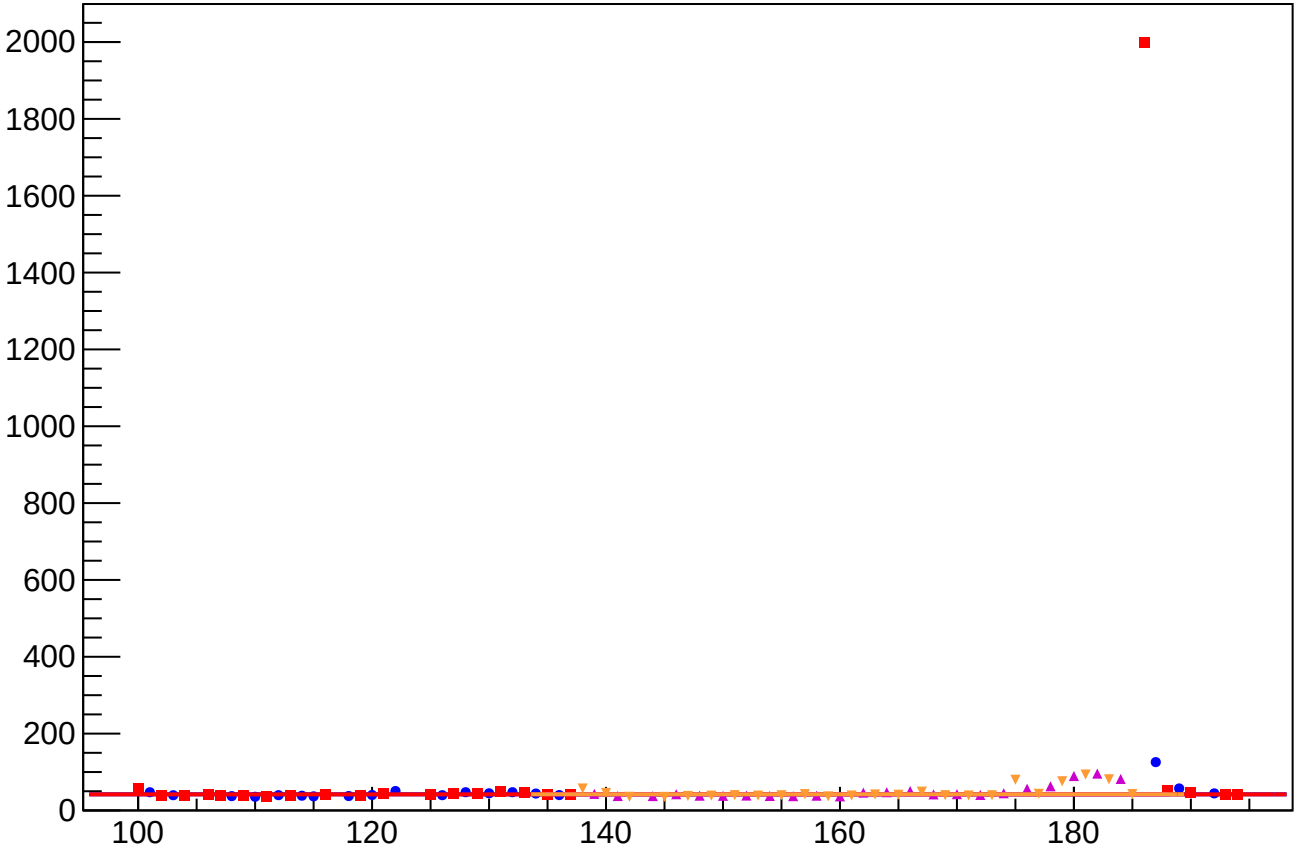
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

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

All: -0.006+/-0.006 χ^2/NDF: 82.9/88

- sign -0.008+/-0.008 χ^2/NDF: 55.9/45

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



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

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

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

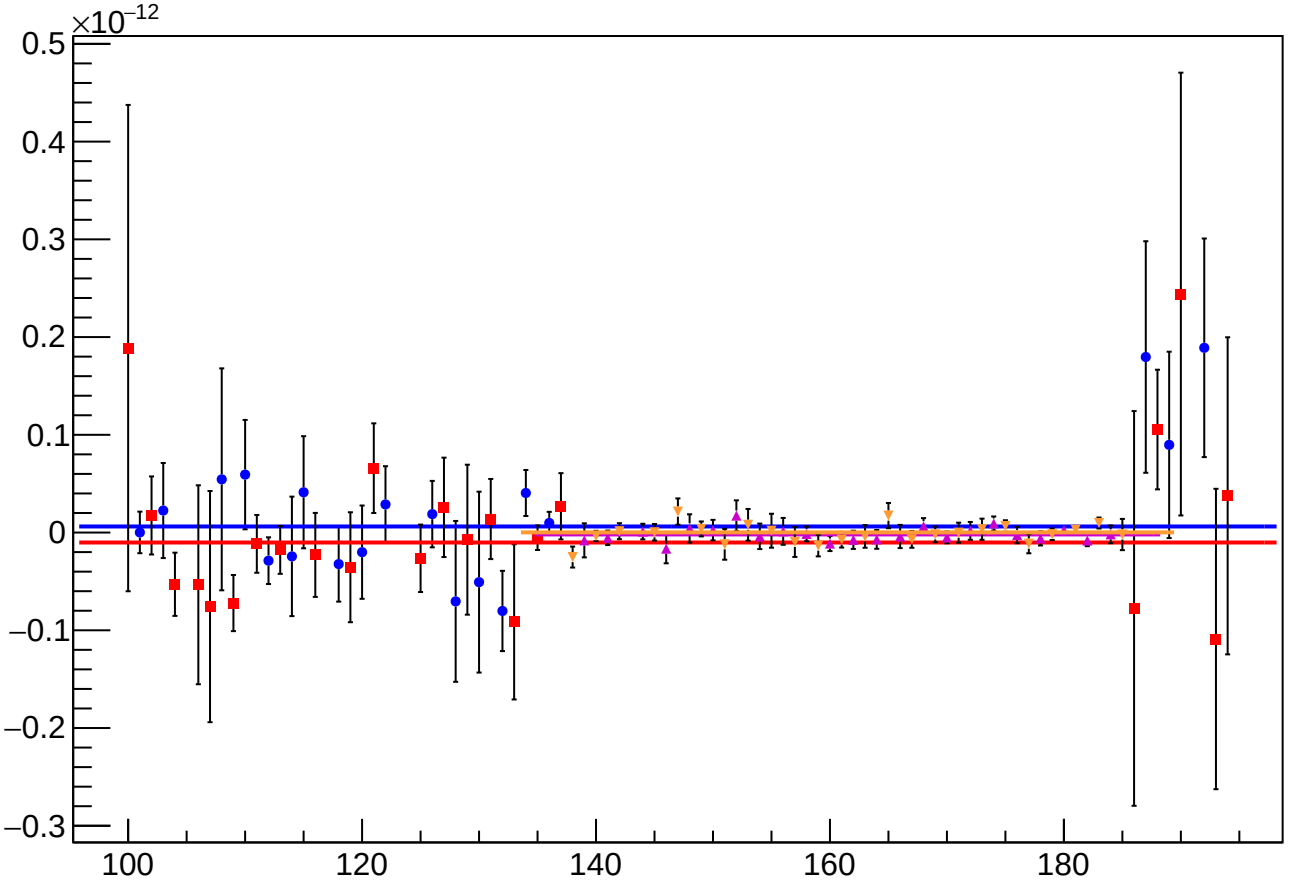
Left In: 42.078+/-0.007 χ^2/NDF:1543481.3/22

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

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

- sign 42.009+/-0.006 χ^2/NDF: 2495103.0/45

asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug



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

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

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

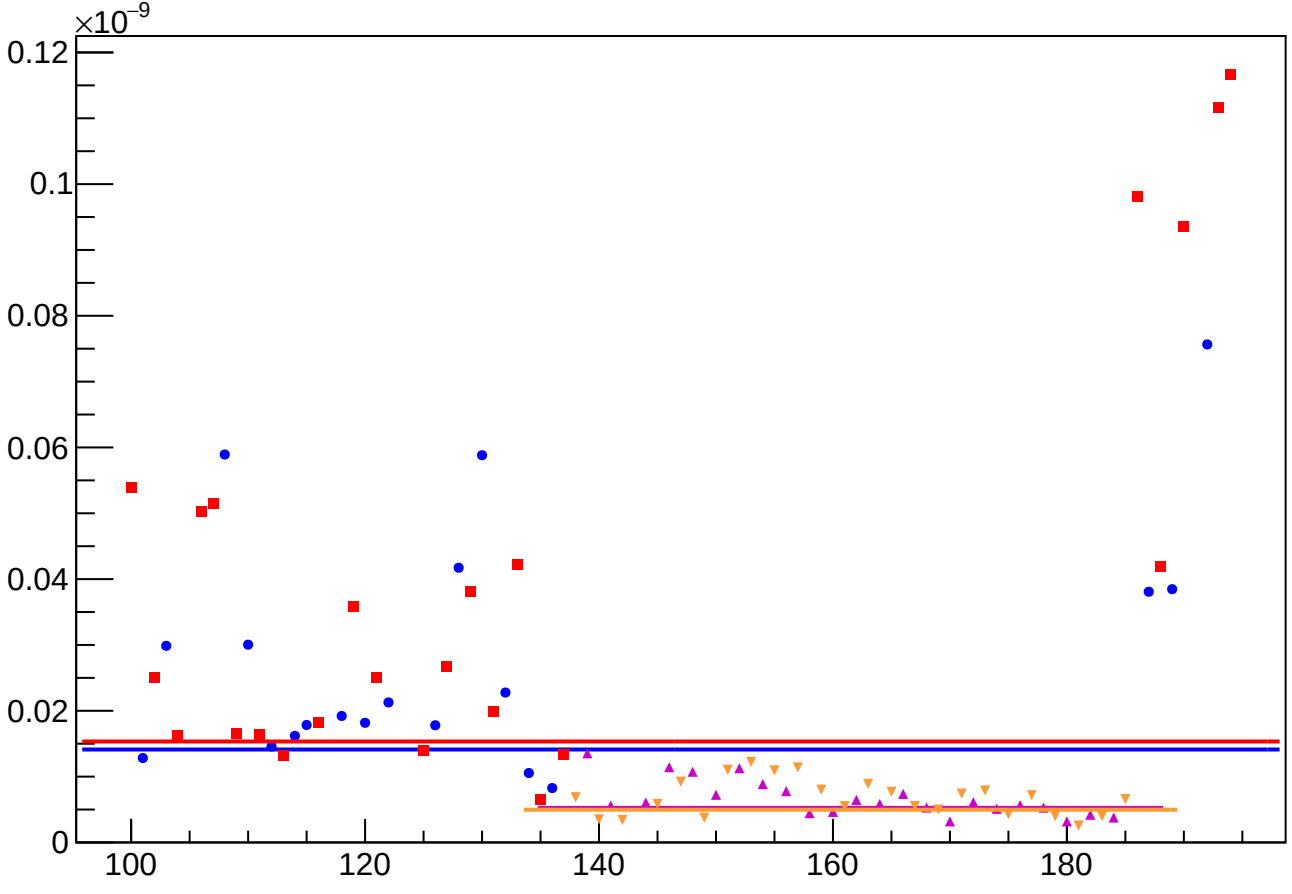
Left In: -0.000+/-0.000 χ^2/NDF:11.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.1/42

All: -0.000+/-0.000 χ^2/NDF: 75.4/88

- sign -0.000+/-0.000 χ^2/NDF: 32.9/45

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



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

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

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

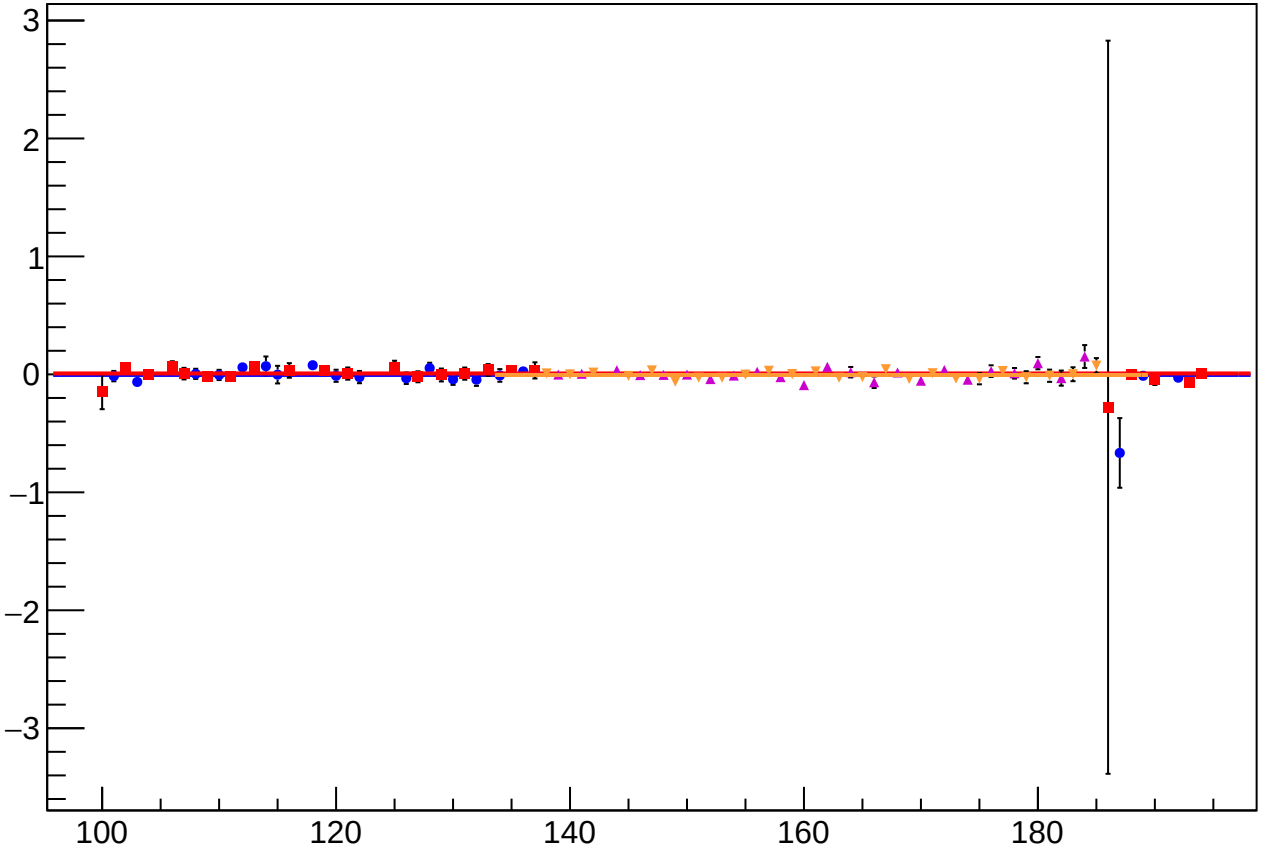
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

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

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

- sign 0.000+/-0.000 χ^2/NDF: 10919016.3/45

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: 18.7/22

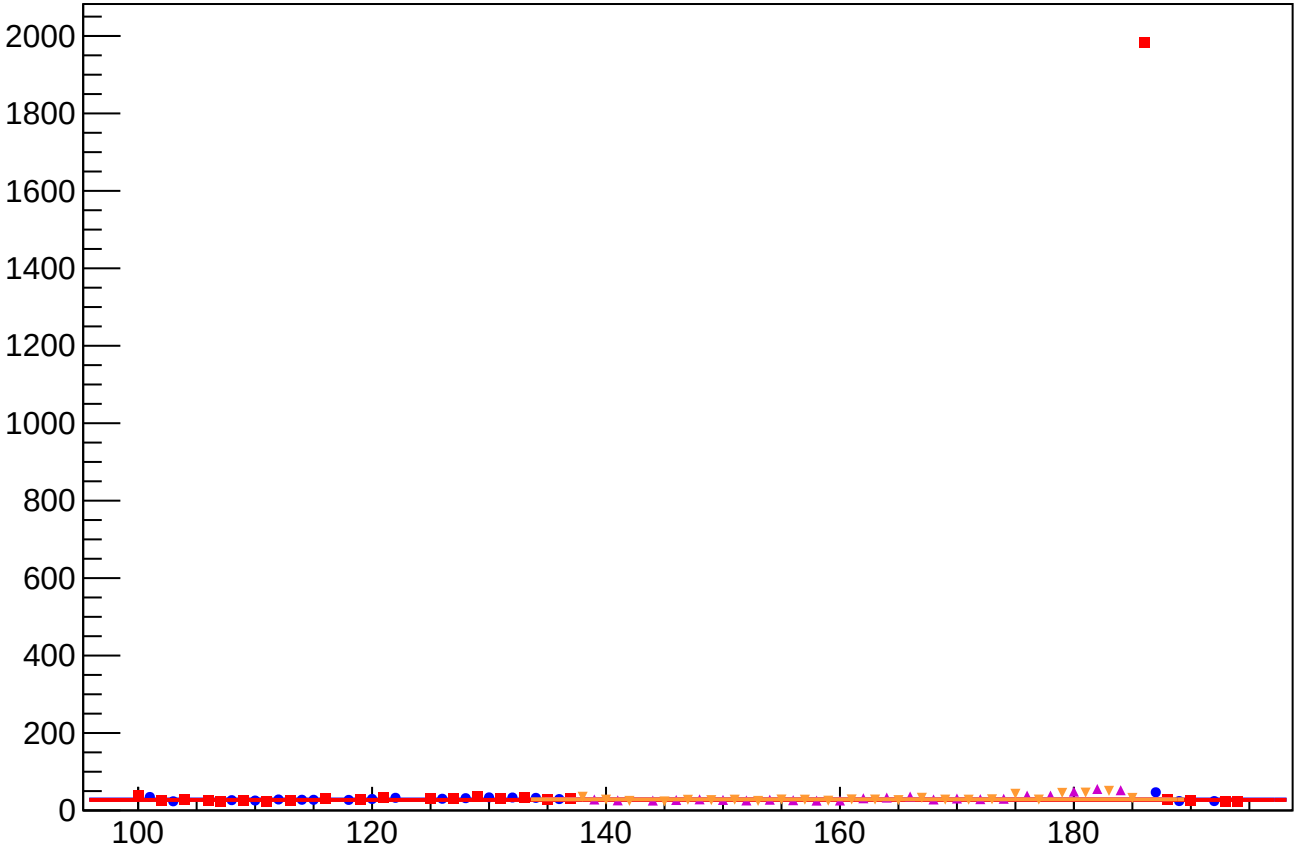
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

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

All: -0.002+/-0.004 χ^2/NDF: 89.7/88

- sign 0.001+/-0.006 χ^2/NDF: 51.0/45

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

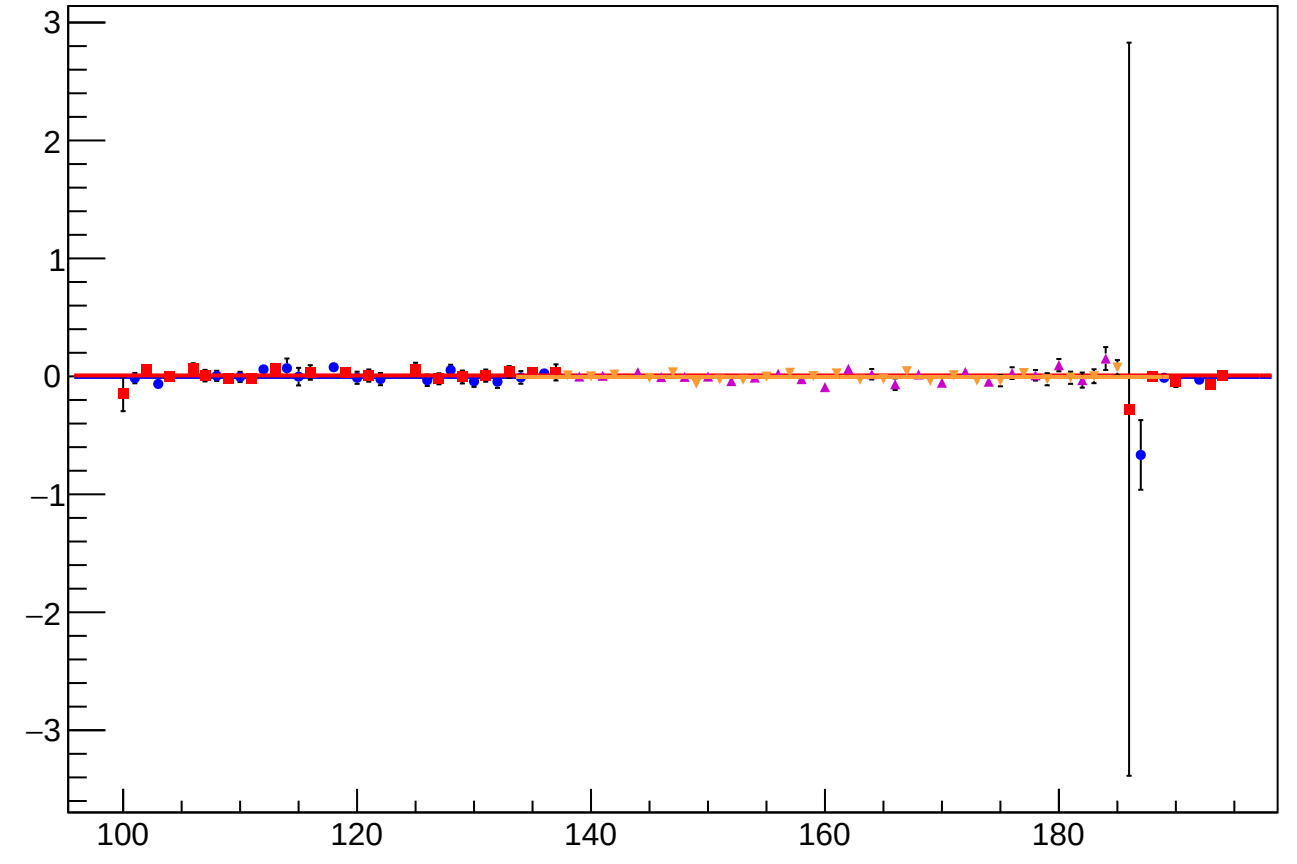
Right Out: 27.146+/-0.006 χ^2/NDF: 1051122.9/22

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

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

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

- sign 28.422+/-0.004 χ^2/NDF: 2259589.6/45



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

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

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

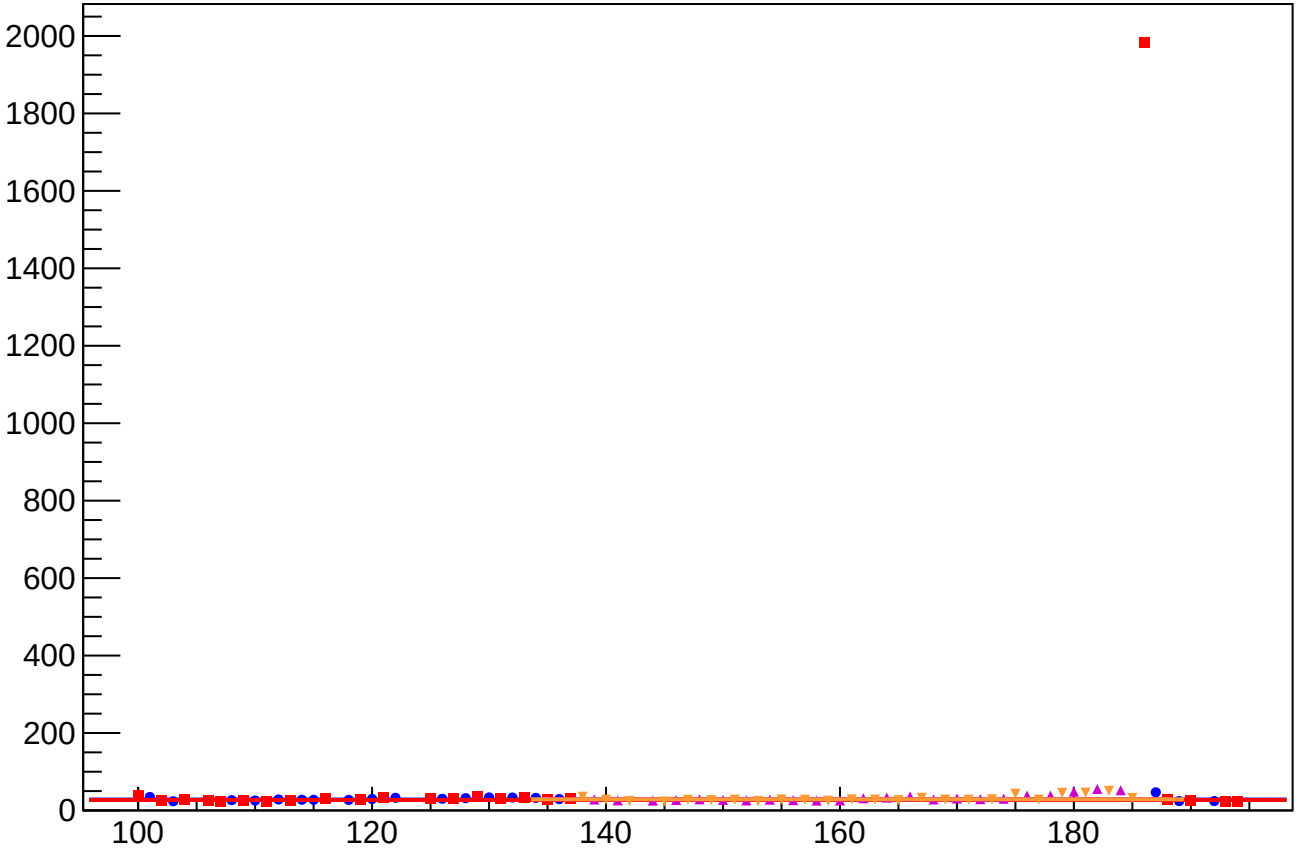
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

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

All: -0.002+/-0.004 χ^2/NDF: 89.7/88

- sign 0.001+/-0.006 χ^2/NDF: 51.0/45

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

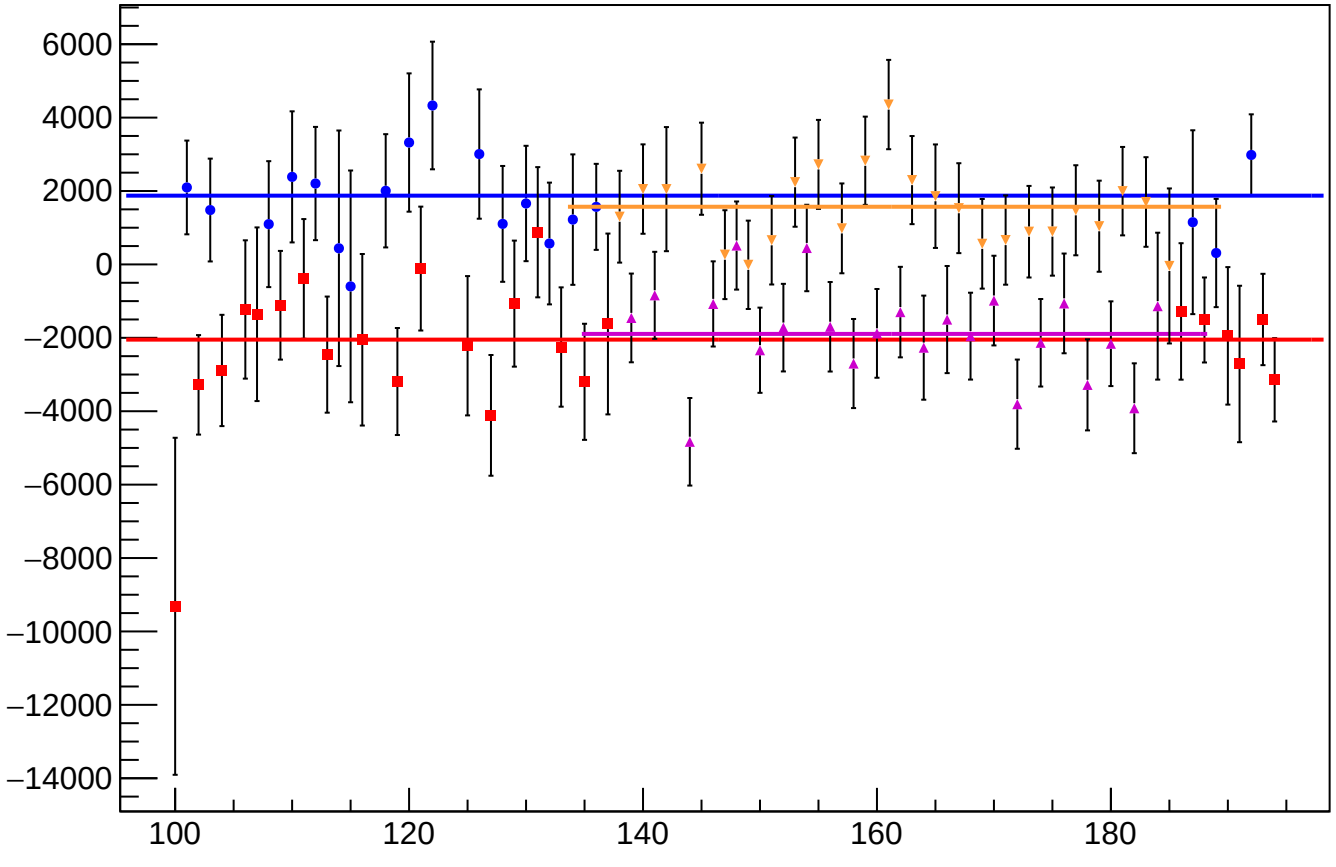
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

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

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

- sign 28.422+/-0.004 χ^2/NDF: 2259589.6/45

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

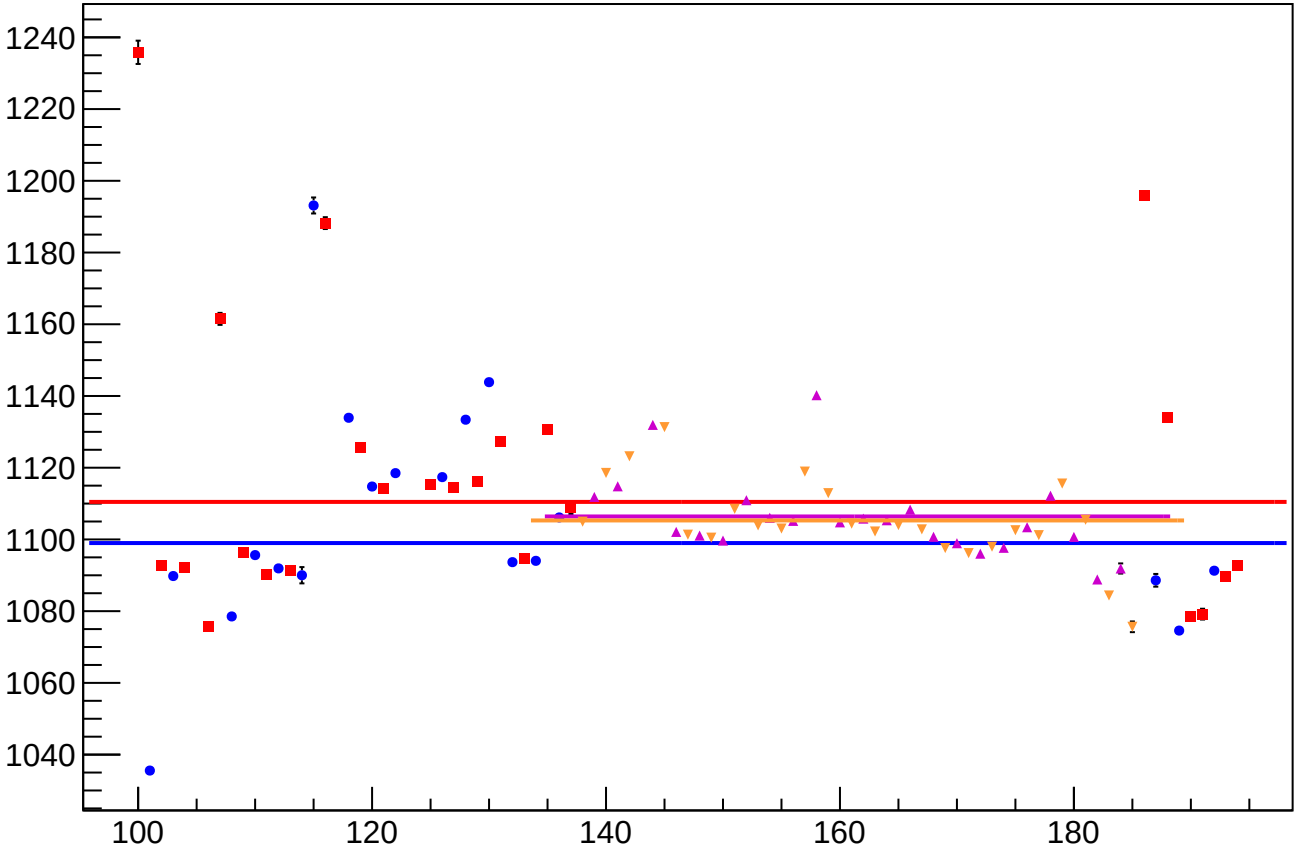
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -192.249+/-146.634 χ^2/NDF: 214.1/89

- sign -1951.525+/-204.484 χ^2/NDF: 38.4/46

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

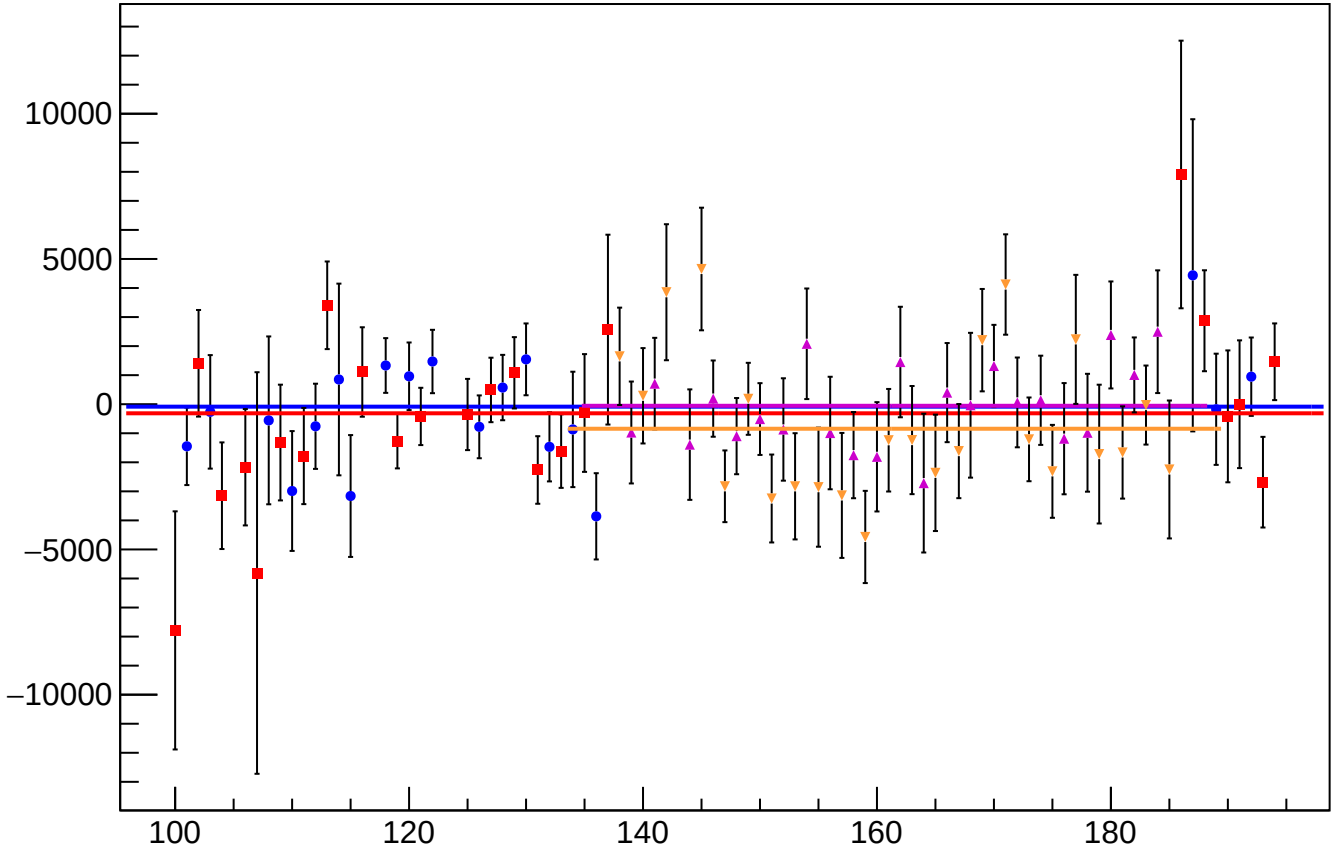
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

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

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

- sign 1107.921+/-0.145 χ^2/NDF: 18776.7/46

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: -312.955+/-313.692 χ^2/NDF: 34.3/23

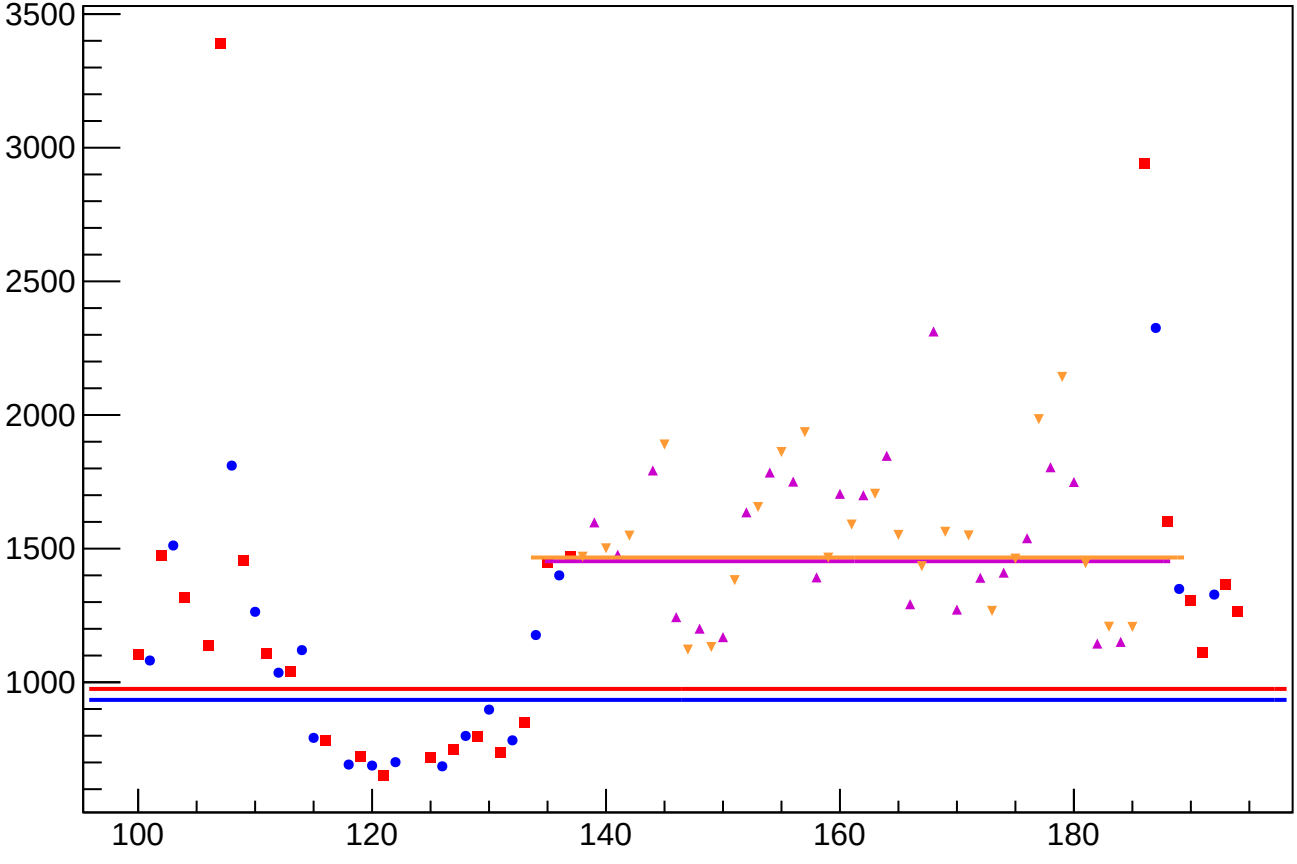
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

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

All: -316.694+/-166.566 χ^2/NDF: 117.2/89

- sign -196.272+/-232.387 χ^2/NDF: 47.6/46

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

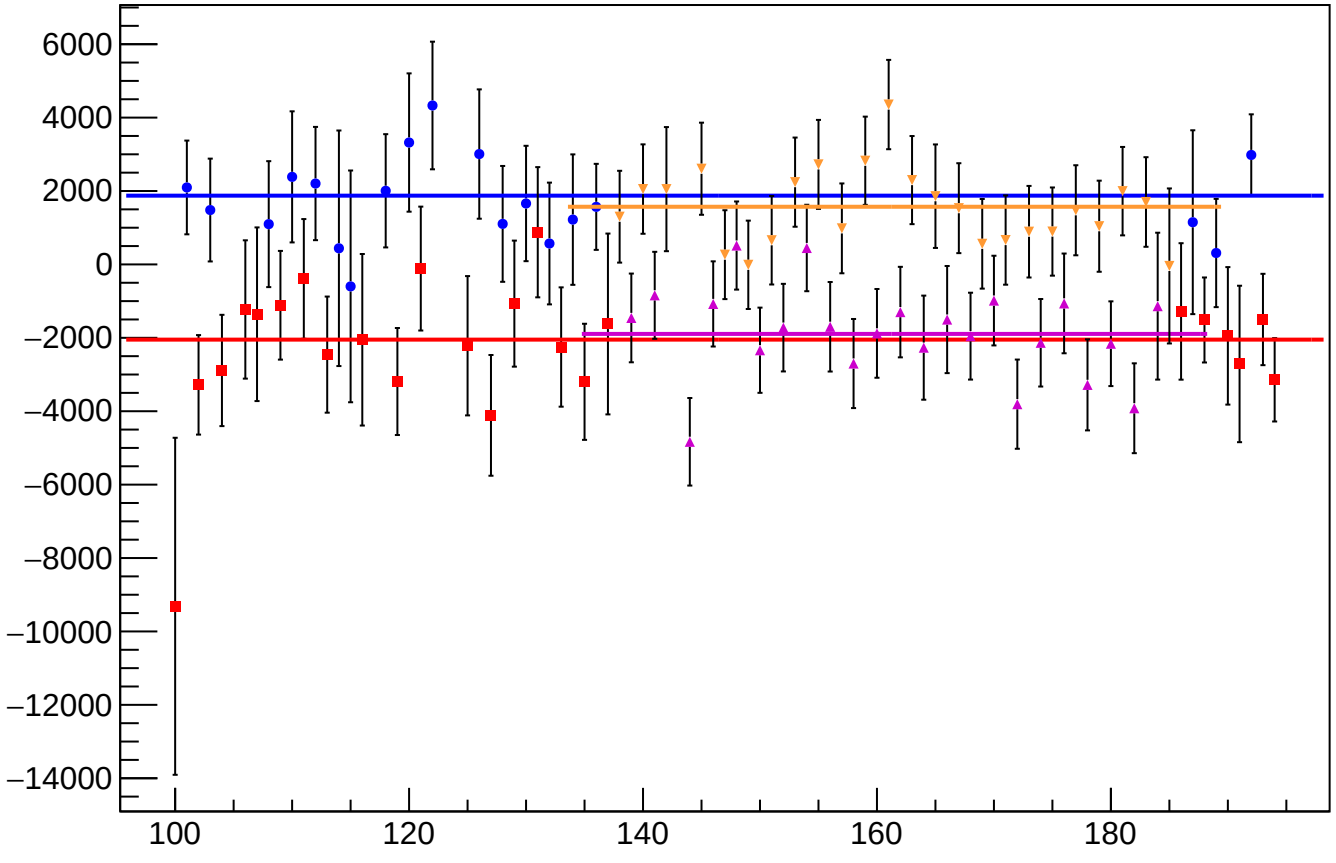
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

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

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

- sign 1190.756+/-0.164 χ^2/NDF: 5588086.7/46

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

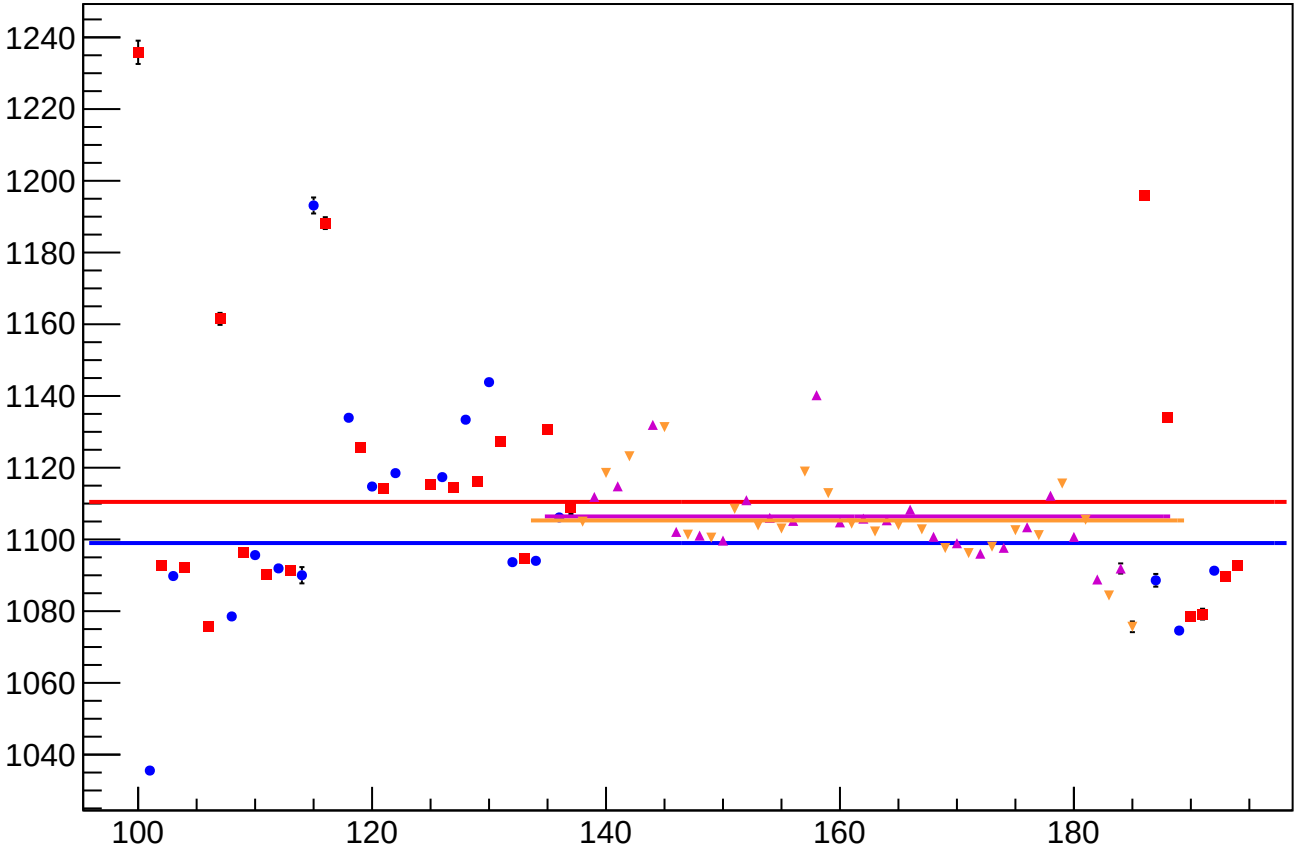
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -192.246+/-146.634 χ^2/NDF: 214.1/89

- sign -1951.520+/-204.484 χ^2/NDF: 38.4/46

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

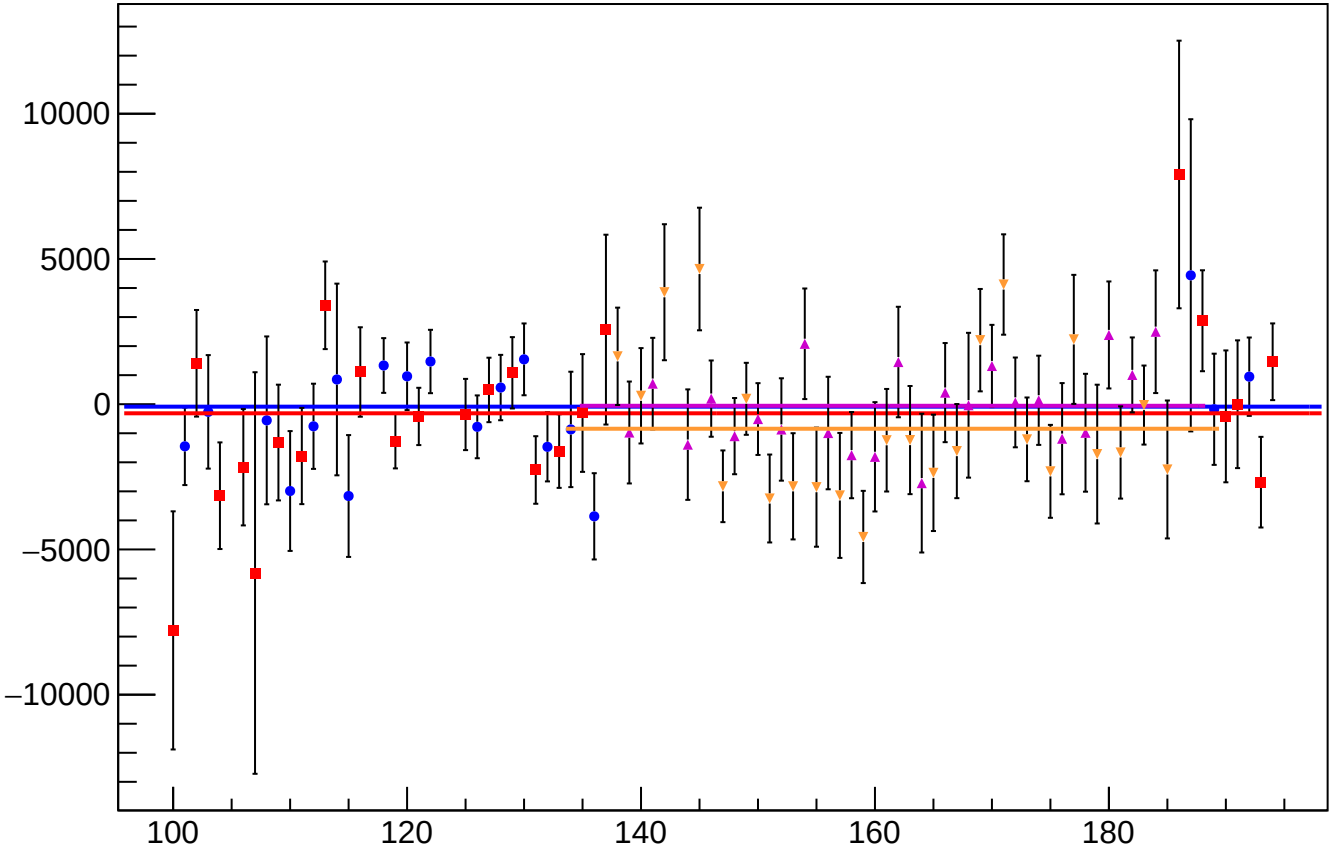
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

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

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

- sign 1107.921+/-0.145 χ^2/NDF: 18776.7/46

asym_usl_cor_correction_mean vs Slug



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

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

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

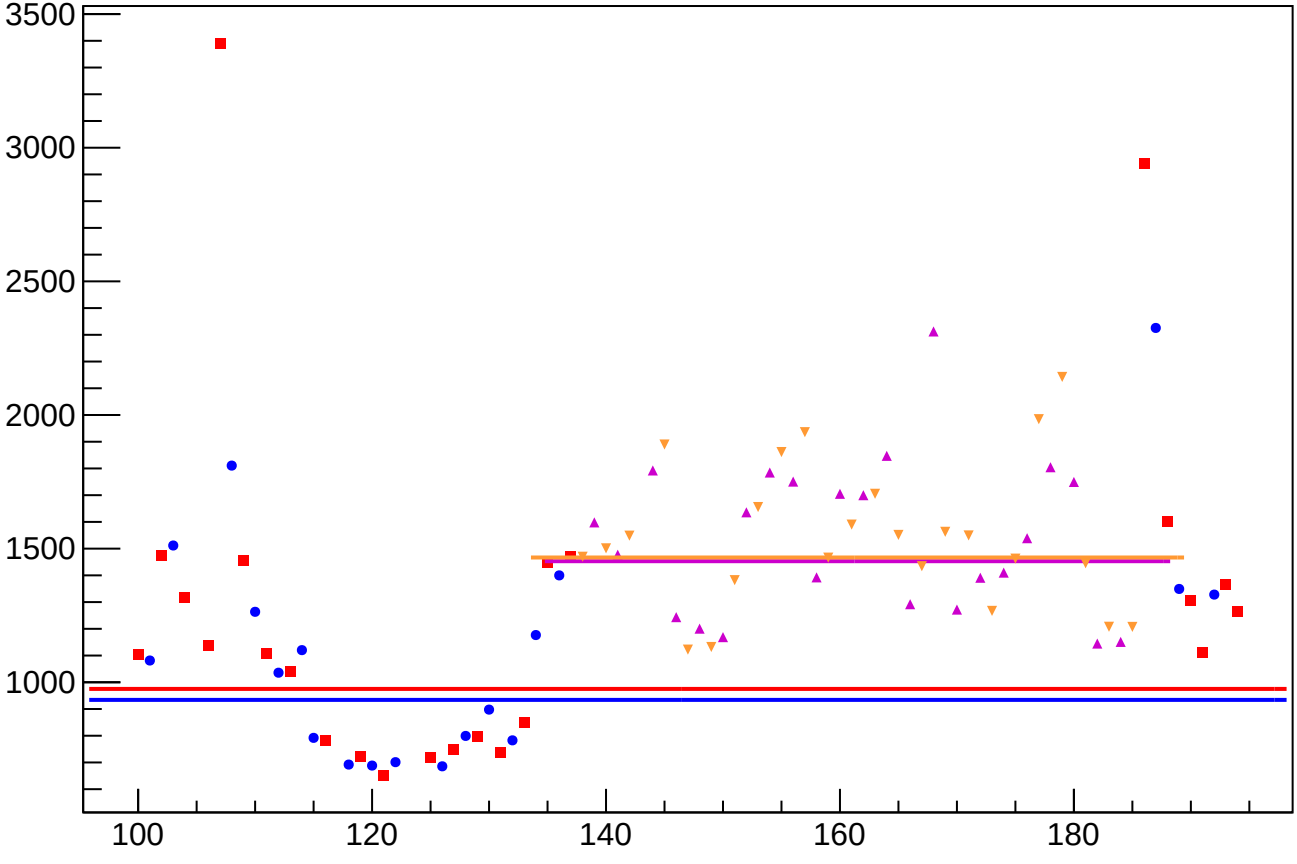
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

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

All: -316.694+/-166.566 χ^2/NDF: 117.2/89

- sign -196.272+/-232.387 χ^2/NDF: 47.6/46

asym_usl_cor_correction_rms vs Slug



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

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

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

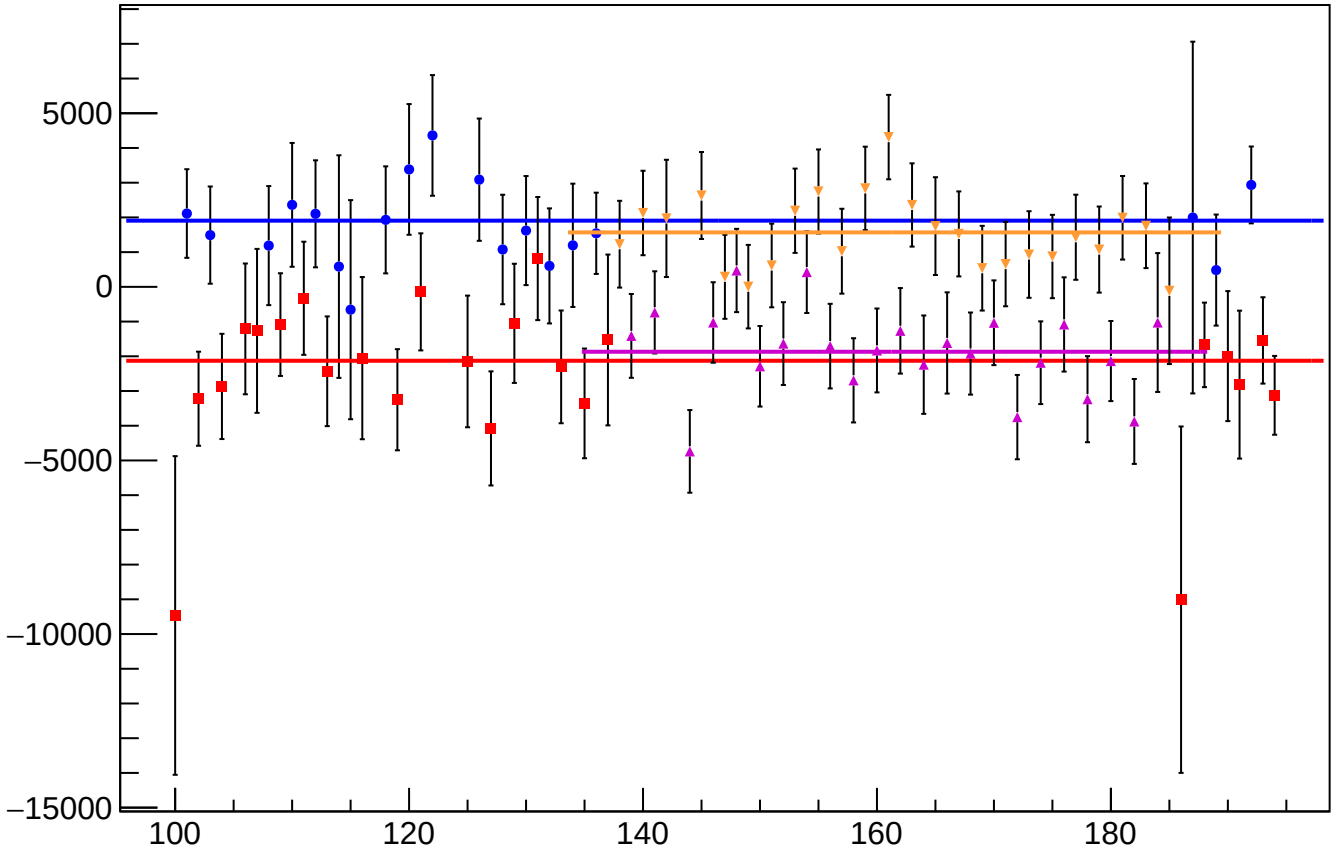
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

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

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

- sign 1190.756+/-0.164 χ^2/NDF: 5588087.6/46

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: -2128.329+/-340.515 χ^2/NDF: 15.9/23

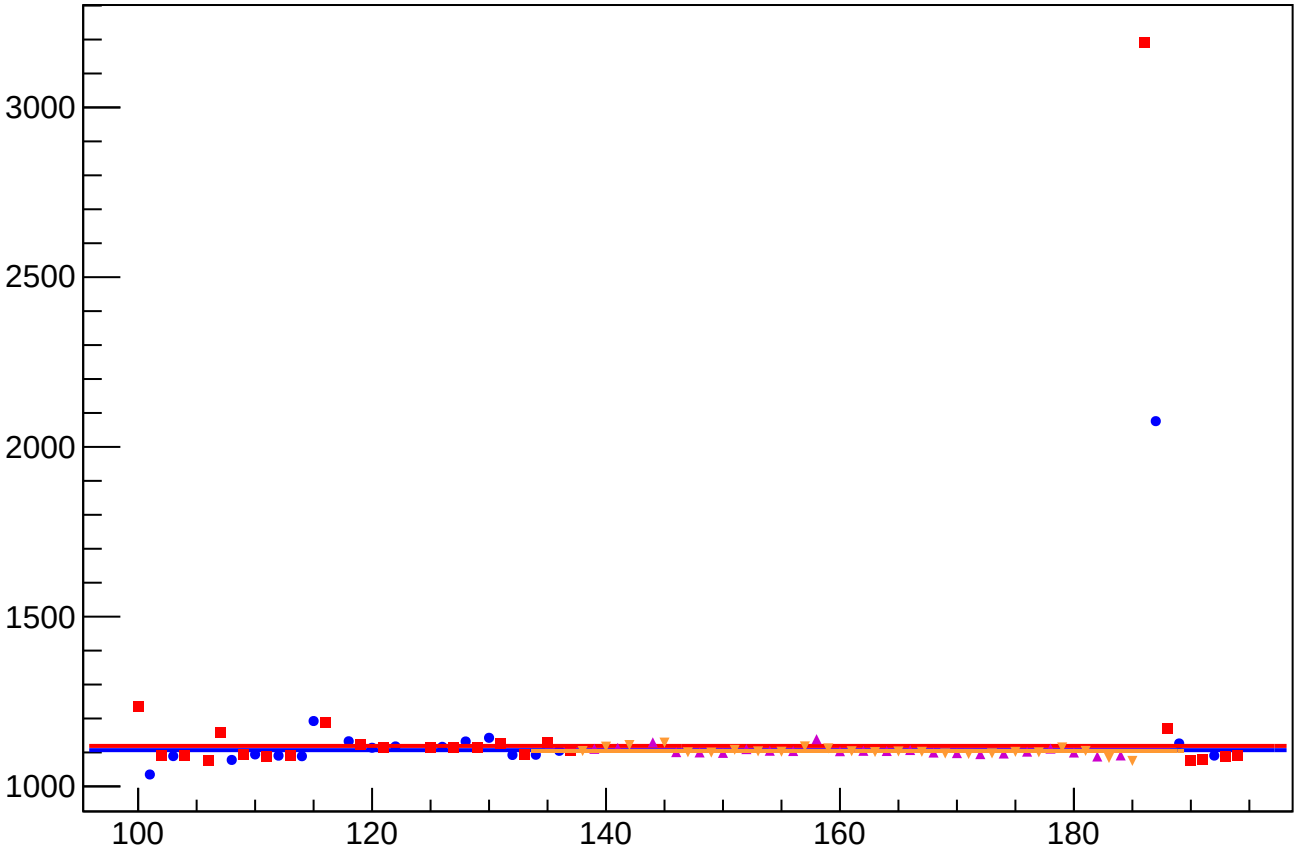
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

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

All: -190.307+/-147.316 χ^2/NDF: 215.4/89

- sign -1963.842+/-205.690 χ^2/NDF: 39.7/46

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: 1119.228+/-0.241 χ^2/NDF: 361225.8/23

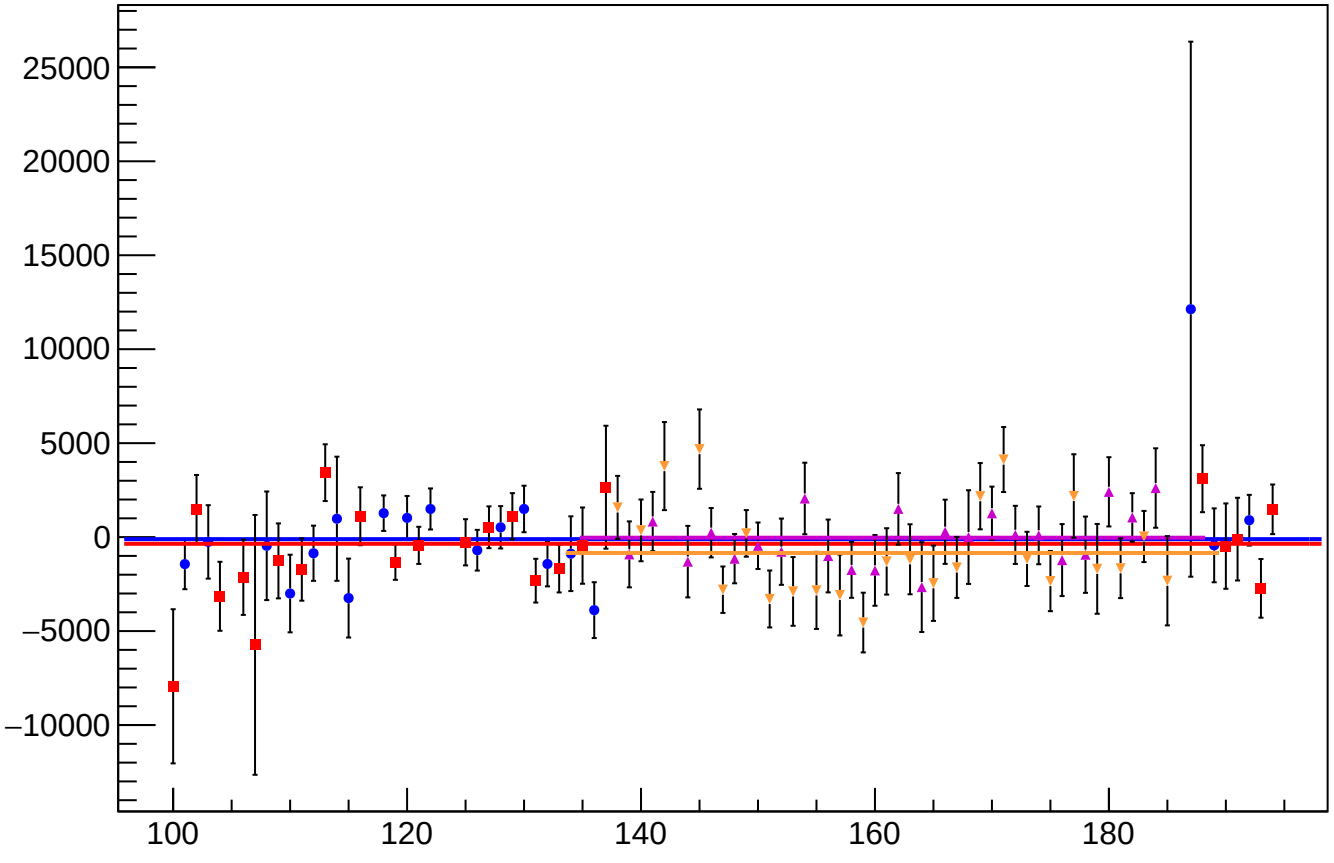
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

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

All: 1107.806+/-0.104 χ^2/NDF: 456311.1/89

\- sign 1110.433+/-0.145 χ^2/NDF: 366987.5/46

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: -355.150+/-315.082 χ^2/NDF: 32.1/22

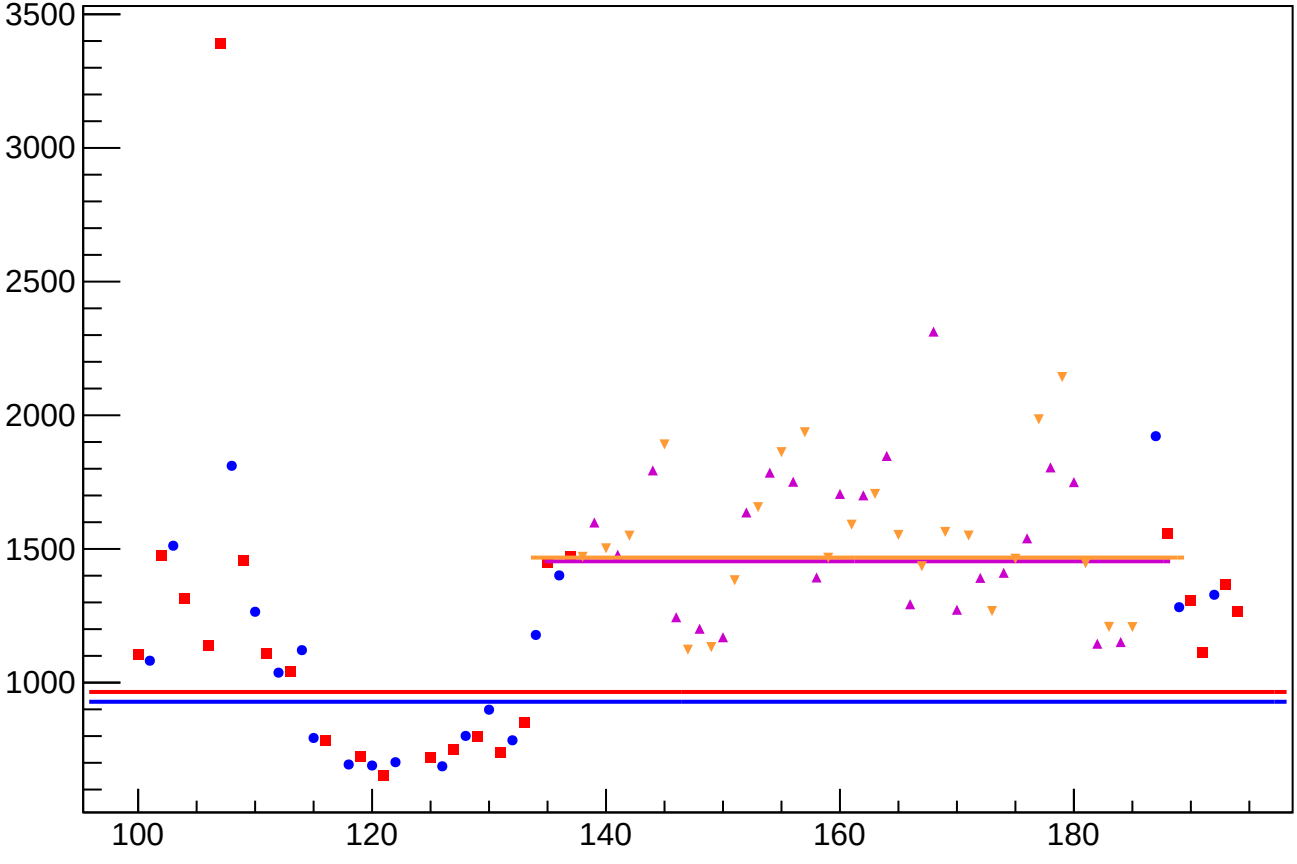
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

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

All: -329.218+/-166.980 χ^2/NDF: 114.9/88

- sign -208.449+/-233.009 χ^2/NDF: 45.7/45

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: 965.050+/-0.223 χ^2/NDF: 1945076.6/22

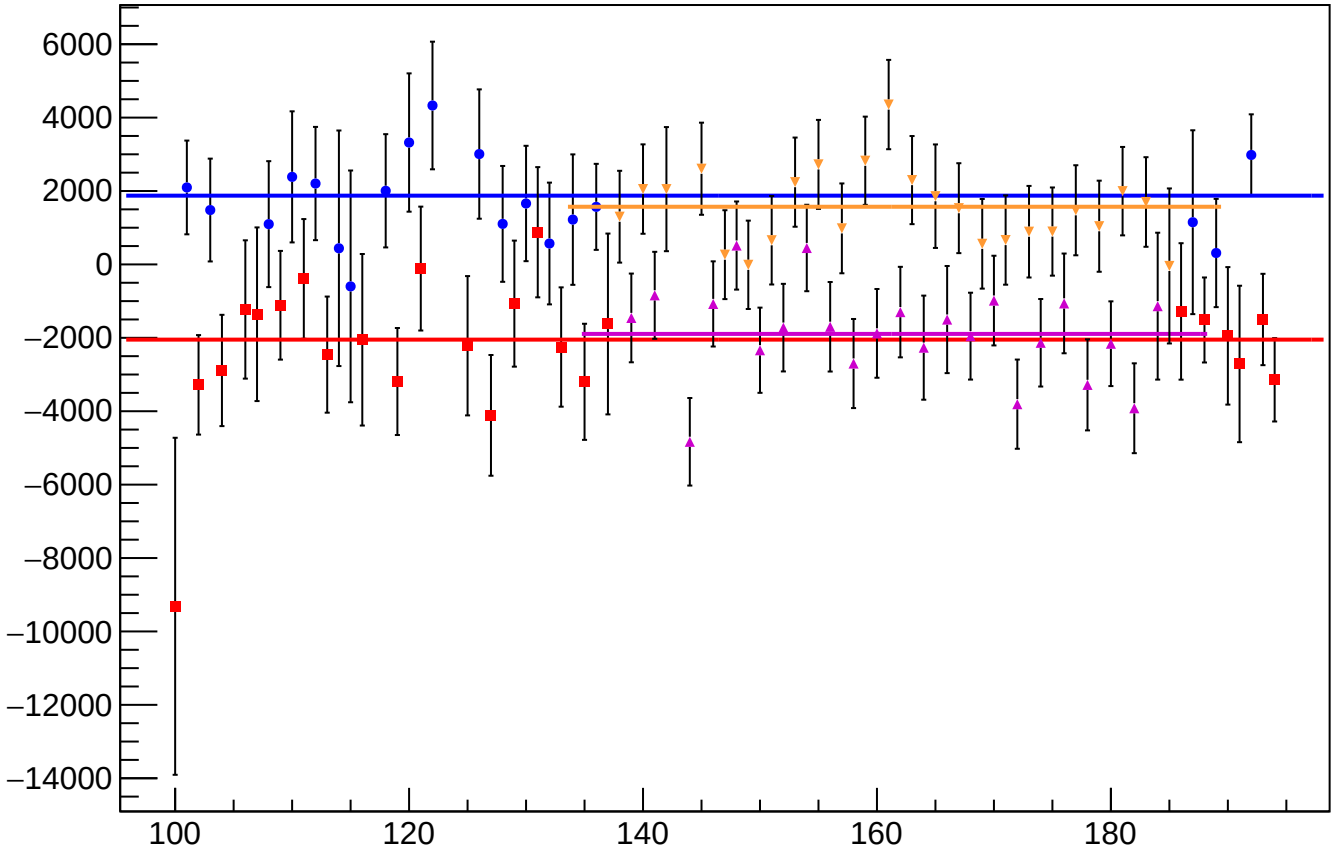
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

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

All: 1185.445+/-0.118 χ^2/NDF: 10229964.1/8

- sign 1186.523+/-0.165 χ^2/NDF: 5253900.3/45

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

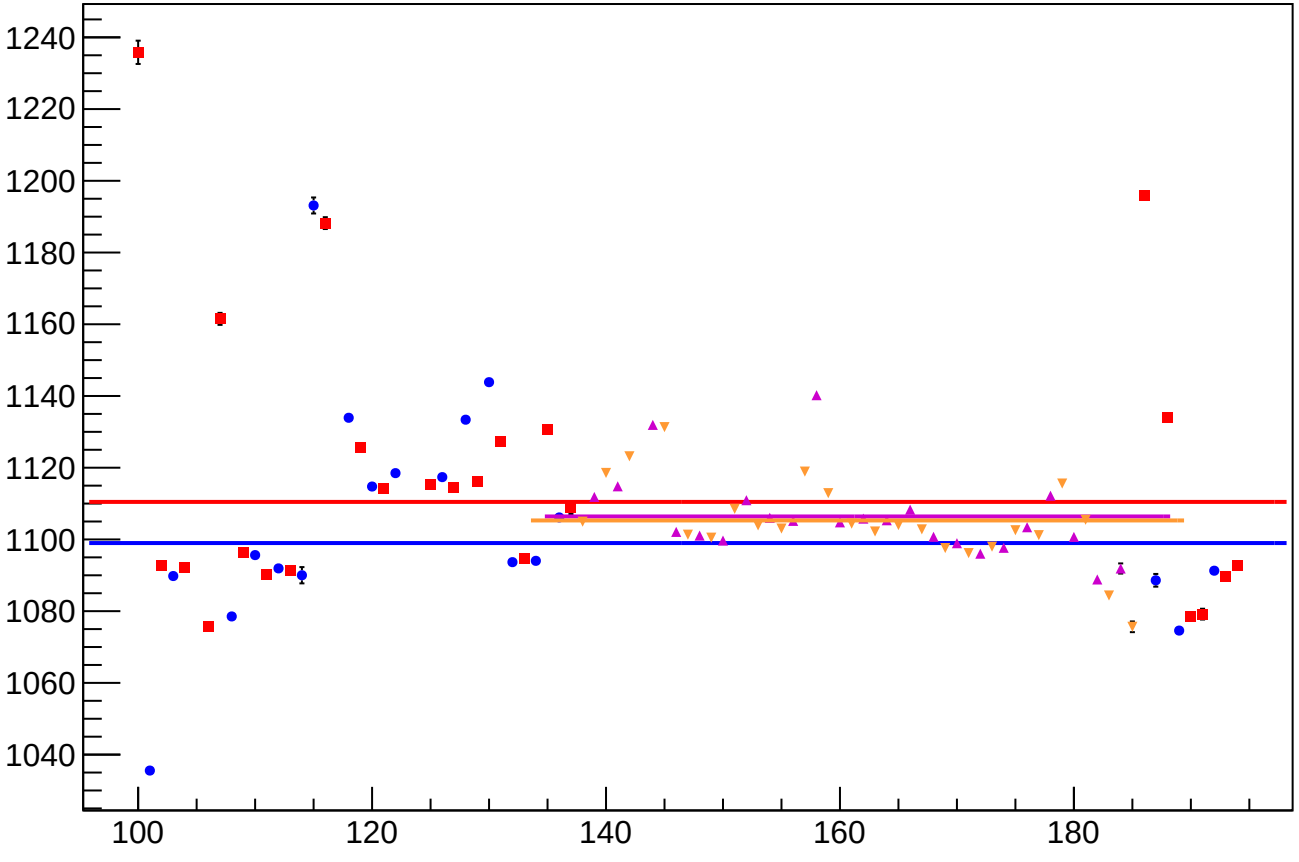
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

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

All: -192.246+/-146.634 χ^2/NDF: 214.1/89

- sign -1951.520+/-204.484 χ^2/NDF: 38.4/46

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

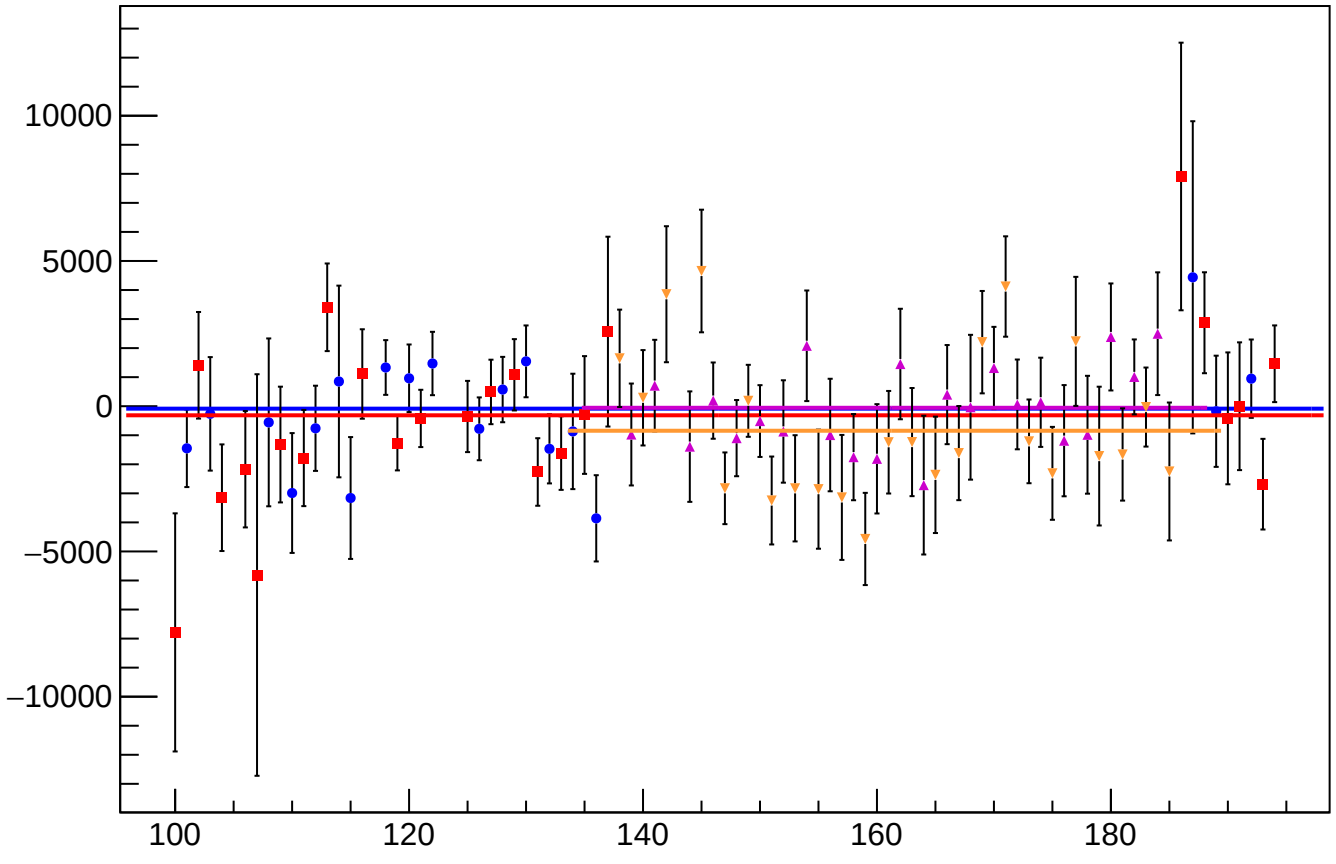
Right Out: 1110.465+/-0.237 χ^2/NDF: 14815.8/23

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

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

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

- sign 1107.921+/-0.145 χ^2/NDF: 18776.7/46



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

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

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

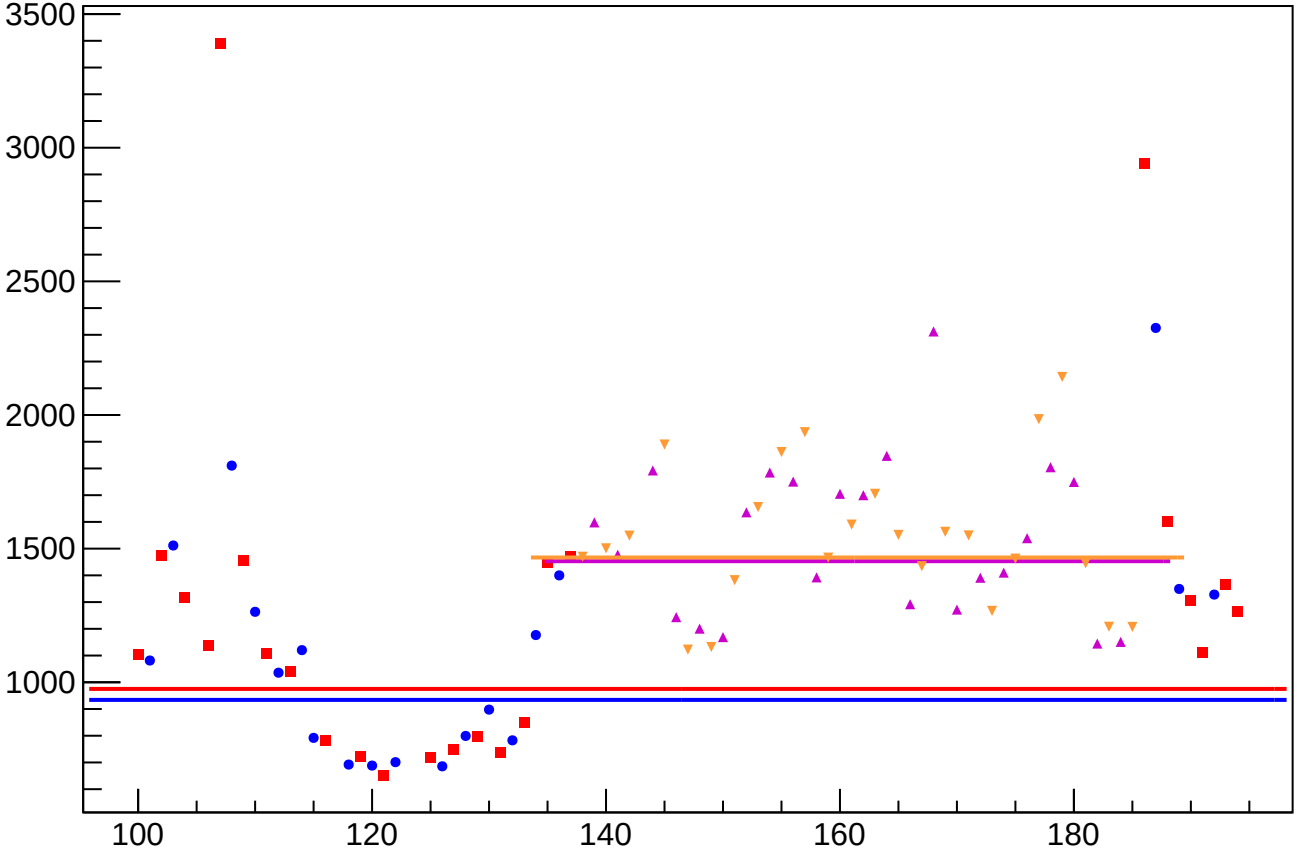
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

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

All: -316.694+/-166.566 χ^2/NDF: 117.2/89

- sign -196.272+/-232.387 χ^2/NDF: 47.6/46

asym_usl_eigen_cor_correction_rms vs Slug



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

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

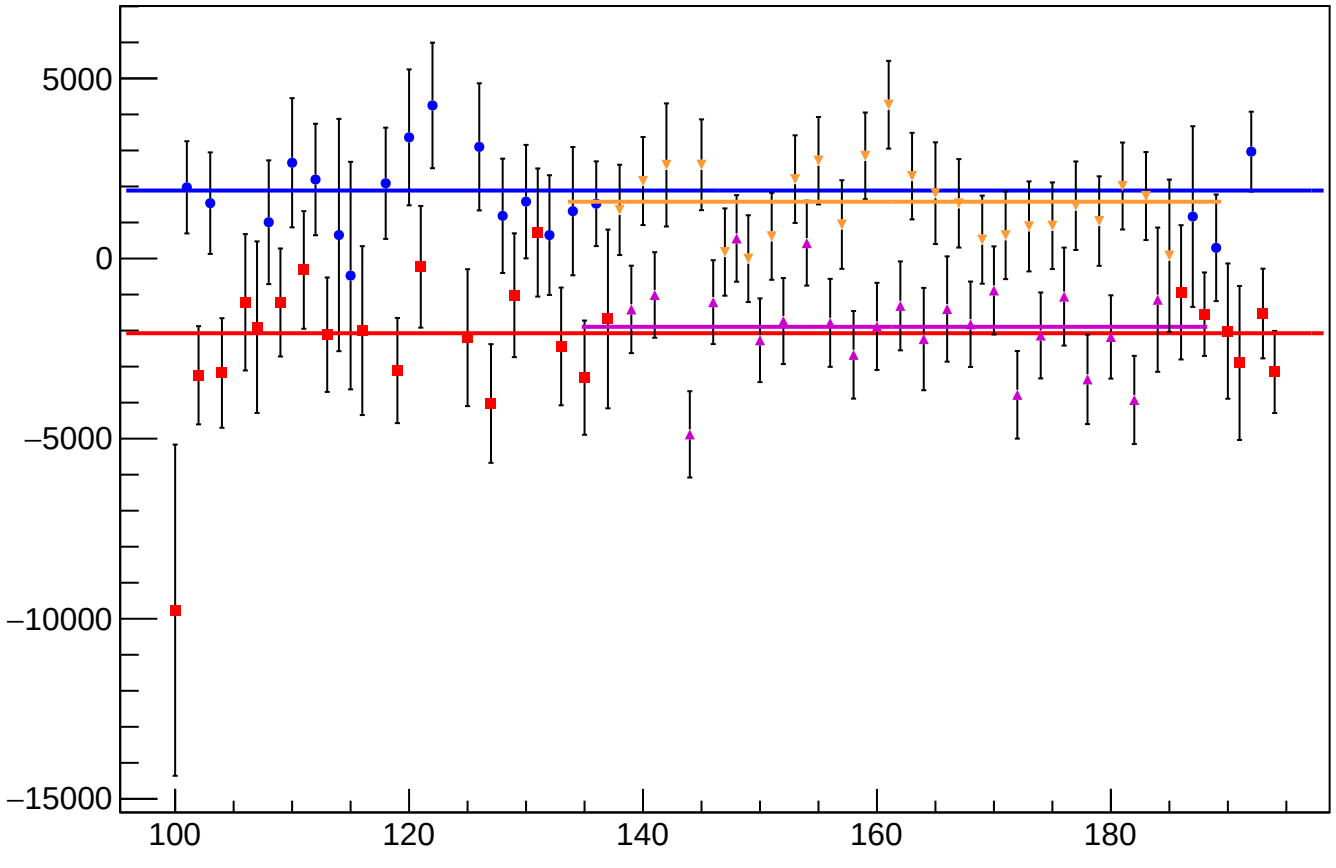
Right Out: 975.167+/-0.222 χ^2/NDF: 2364837.5/23

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

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

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

- sign 1190.756+/-0.164 χ^2/NDF: 5588087.6/46



Right In: 1887.668+/-368.649 χ^2/NDF: 7.4/18

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: -2073.389+/-335.637 χ^2/NDF: 14.2/23

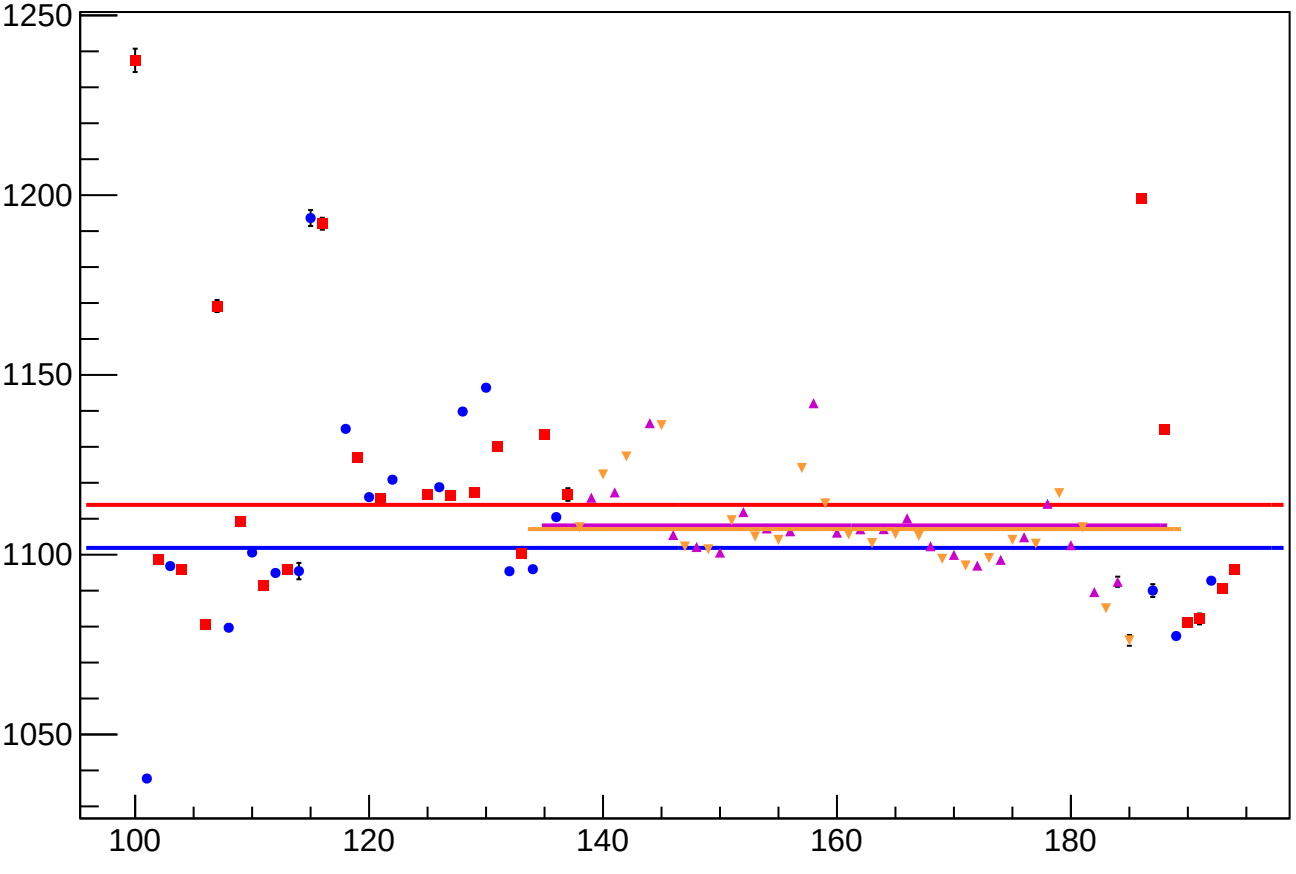
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

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

All: -193.165+/-146.946 χ^2/NDF: 215.2/89

- sign -1961.842+/-204.924 χ^2/NDF: 38.5/46

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: 1113.860+/-0.237 χ^2/NDF: 14410.7/23

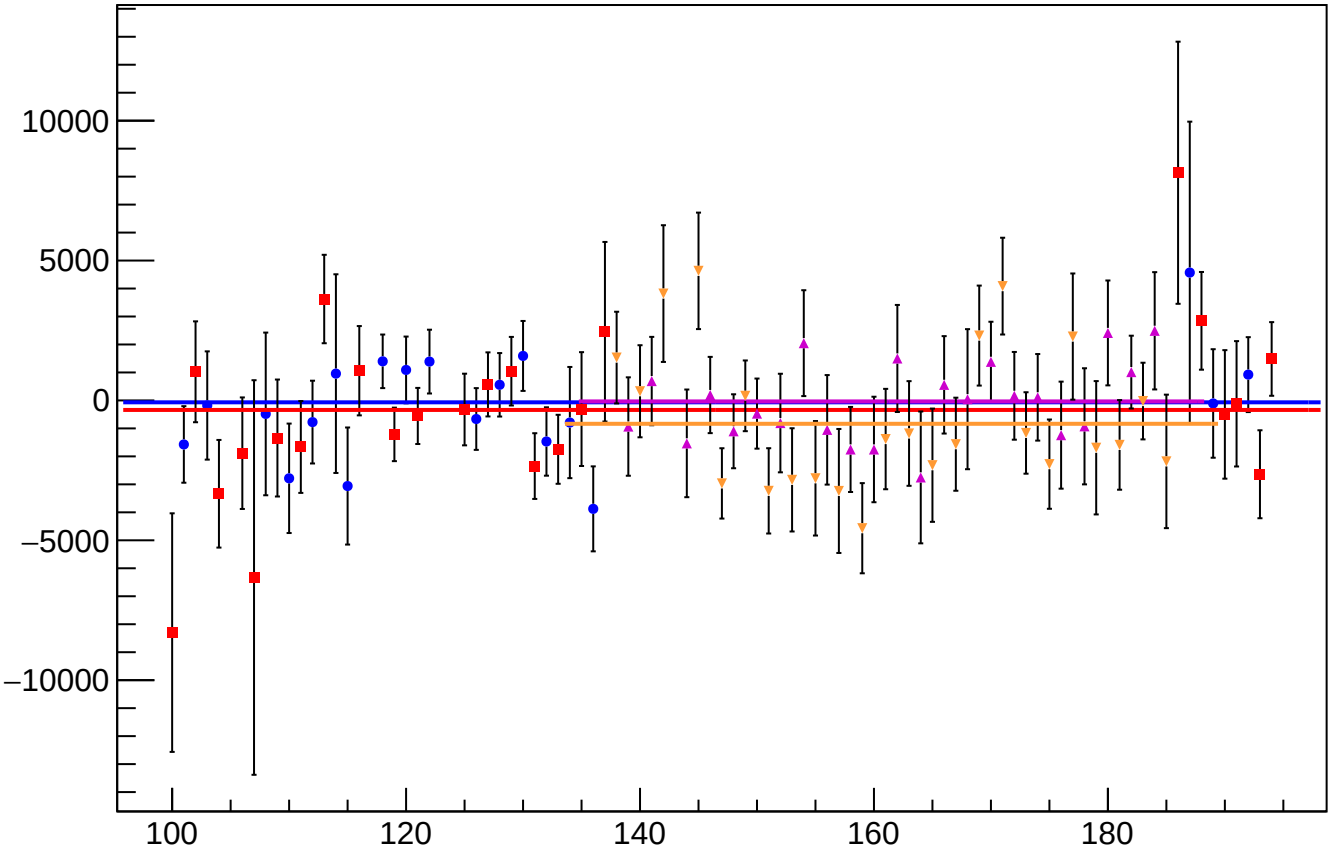
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

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

All: 1107.915+/-0.104 χ^2/NDF: 35768.8/89

- sign 1110.276+/-0.145 χ^2/NDF: 18964.9/46

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: -339.907+/-318.013 χ^2/NDF: 34.2/23

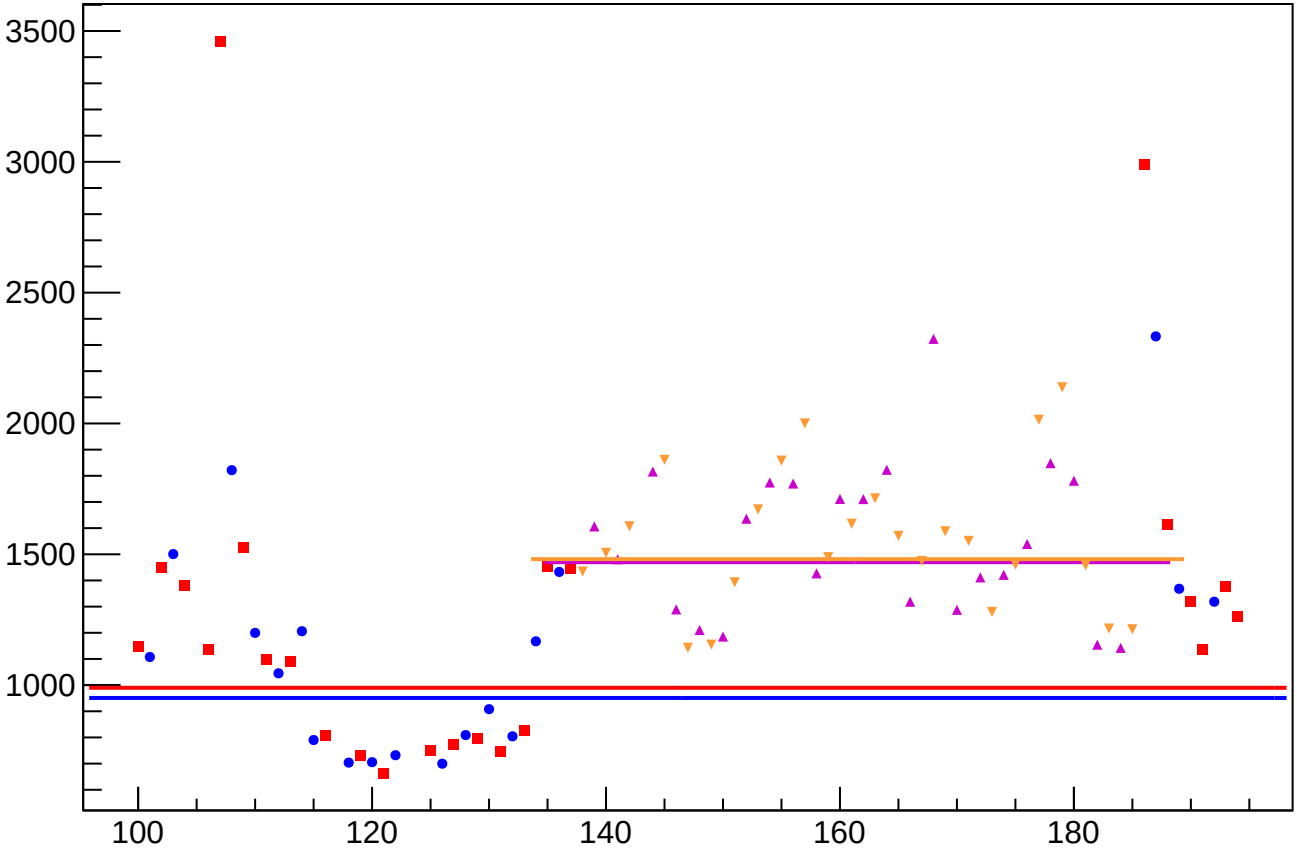
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

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

All: -314.288+/-168.639 χ^2/NDF: 116.1/89

- sign -202.097+/-235.256 χ^2/NDF: 47.7/46

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

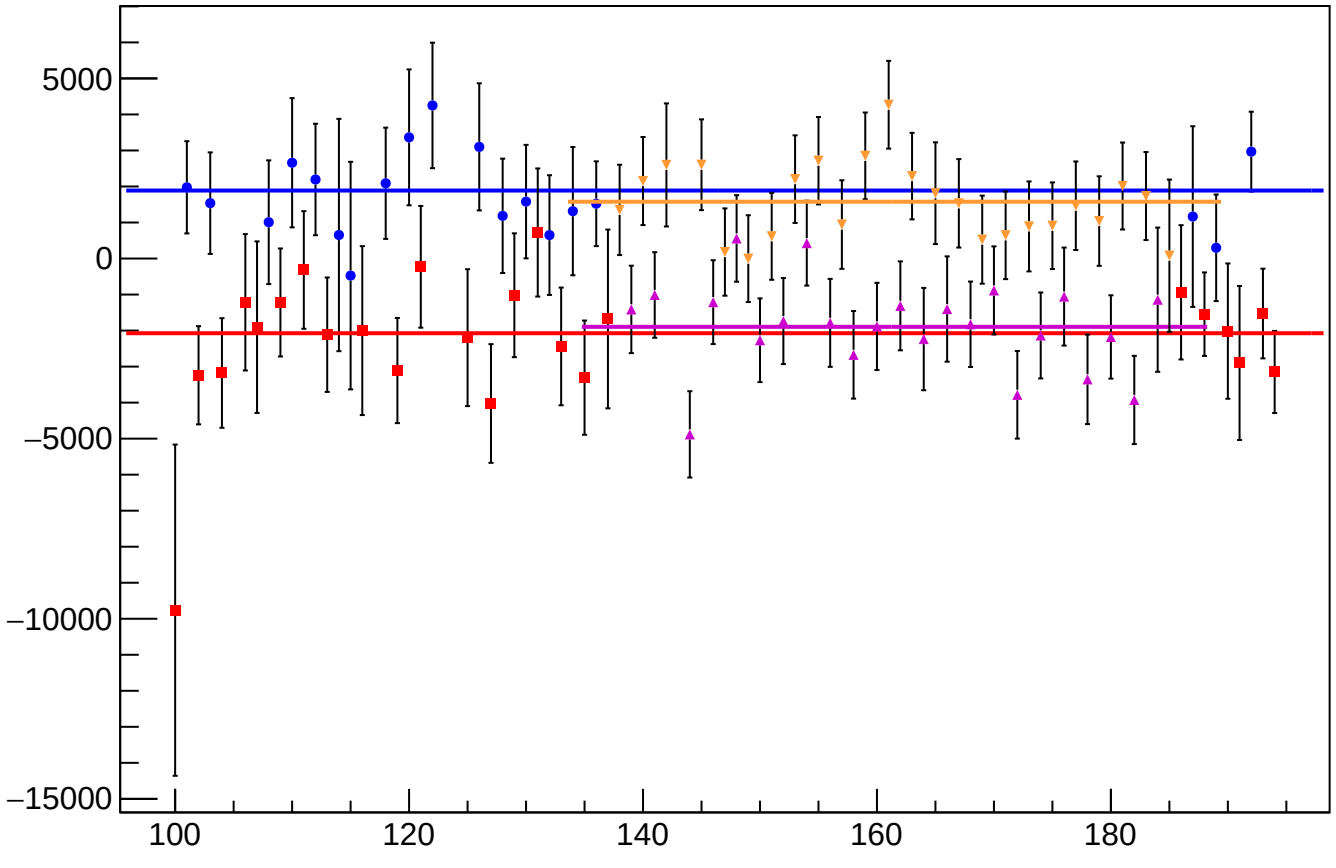
Right Out: 989.796+/-0.225 χ^2/NDF: 2335938.9/23

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

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

All: 1205.341+/-0.119 χ^2/NDF: 10400441.1/8

- sign 1207.162+/-0.166 χ^2/NDF: 5494819.5/46



Right In: 1887.667+/-368.649 χ^2/NDF: 7.4/18

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

Right Out: -2073.386+/-335.637 χ^2/NDF: 14.2/23

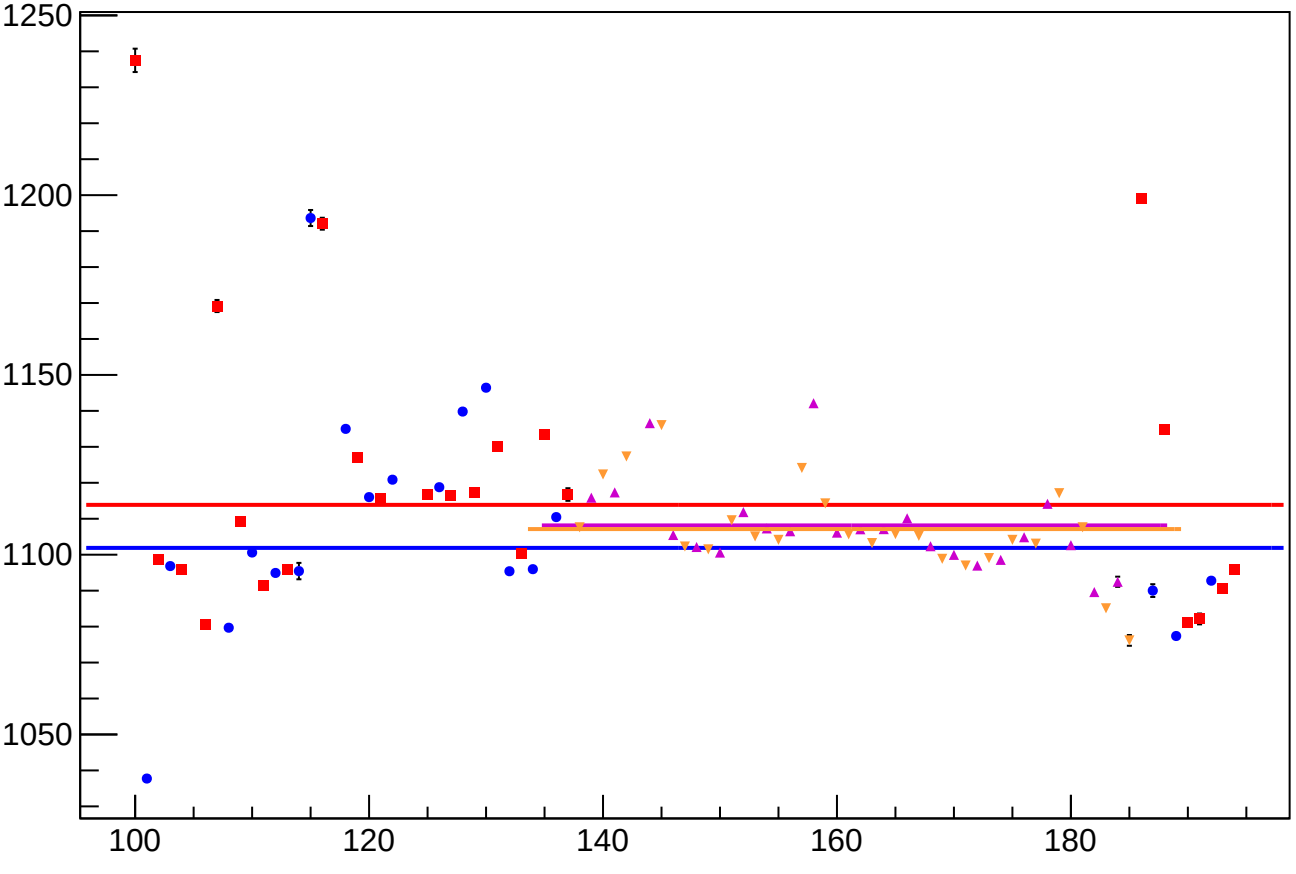
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

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

All: -193.167+/-146.946 χ^2/NDF: 215.2/89

- sign -1961.842+/-204.924 χ^2/NDF: 38.5/46

eigen_dit_asym_usl_rms vs Slug



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

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

Right Out: 1113.860+/-0.237 χ^2/NDF: 14410.6/23

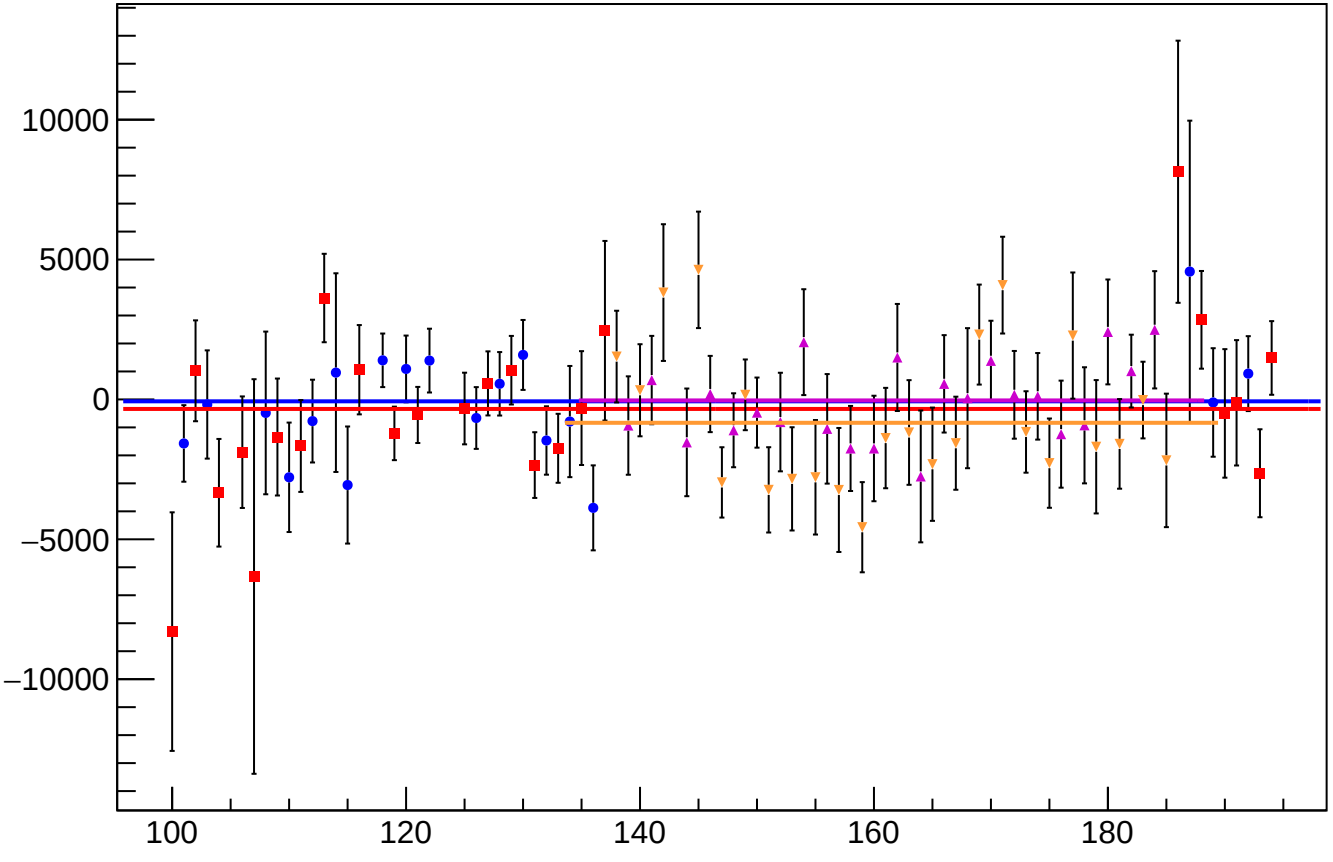
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

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

All: 1107.915+/-0.104 χ^2/NDF: 35768.8/89

- sign 1110.276+/-0.145 χ^2/NDF: 18964.9/46

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: -339.907+/-318.013 χ^2/NDF: 34.2/23

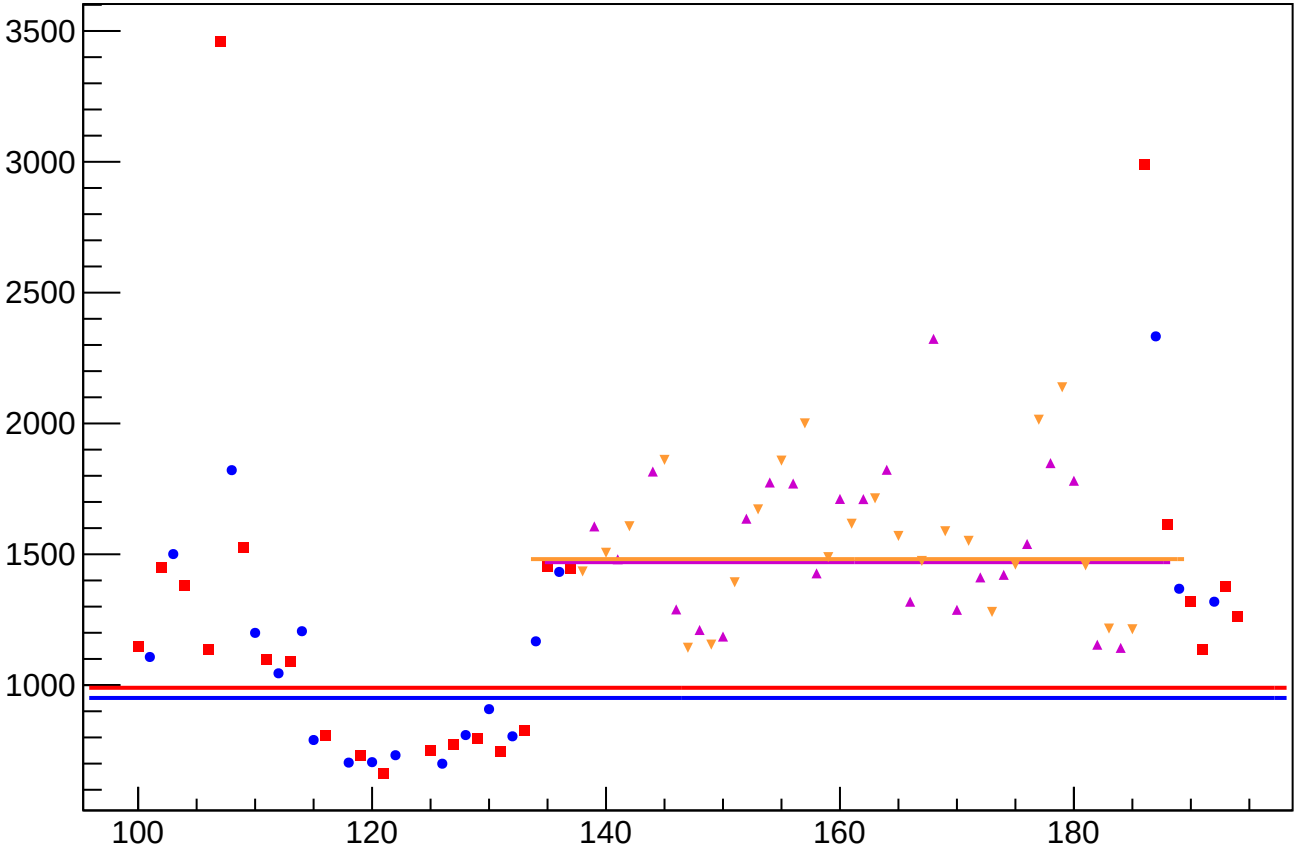
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

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

All: -314.288+/-168.638 χ^2/NDF: 116.1/89

- sign -202.097+/-235.256 χ^2/NDF: 47.7/46

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: 989.794+/-0.225 χ^2/NDF: 2335948.3/23

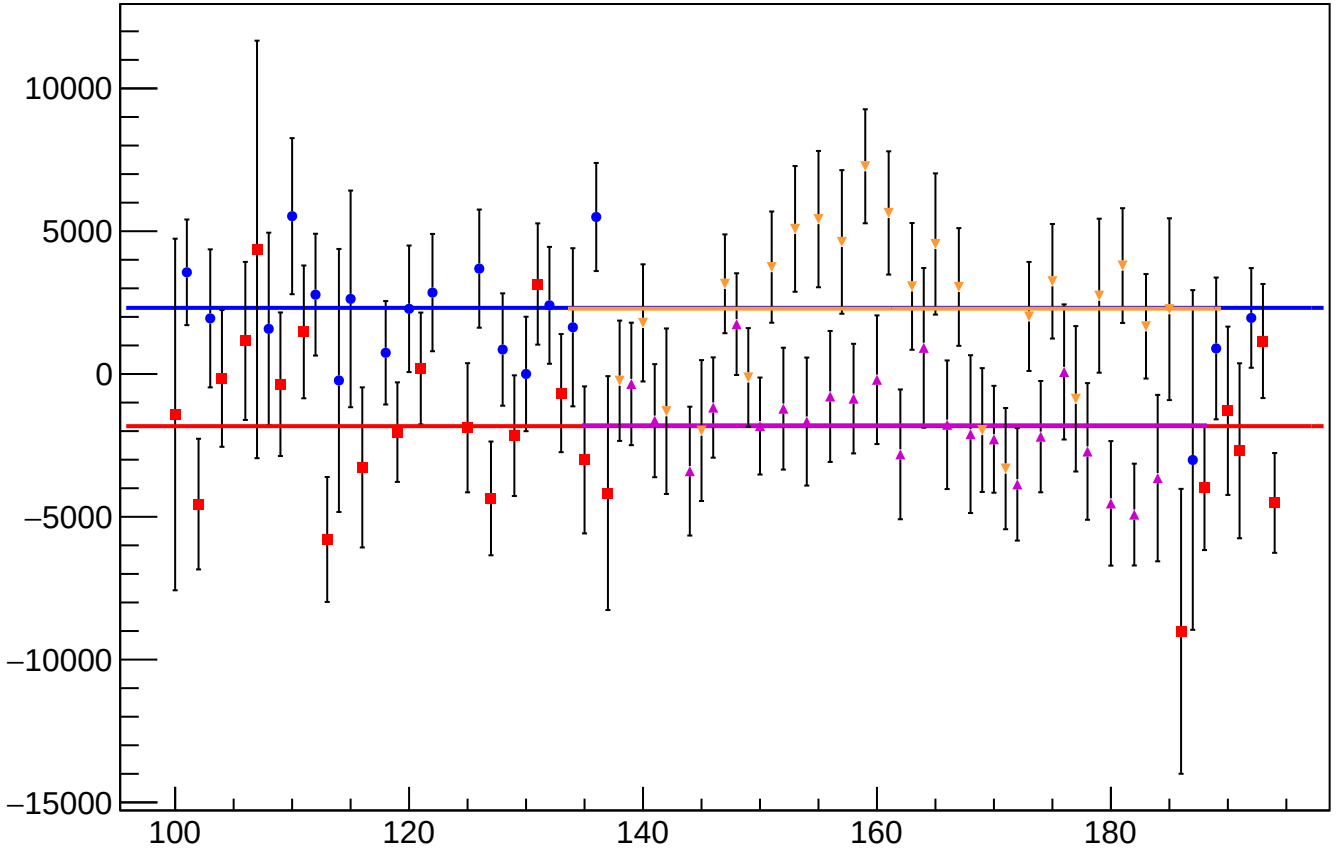
Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

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

All: 1205.340+/-0.119 χ^2/NDF: 10400515.7/8

- sign 1207.161+/-0.166 χ^2/NDF: 5494857.3/46

asym_usl_mean vs Slug



Right In: 2316.667+/-521.581 χ^2/NDF: 9.5/18

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: -1825.624+/-487.997 χ^2/NDF: 26.5/23

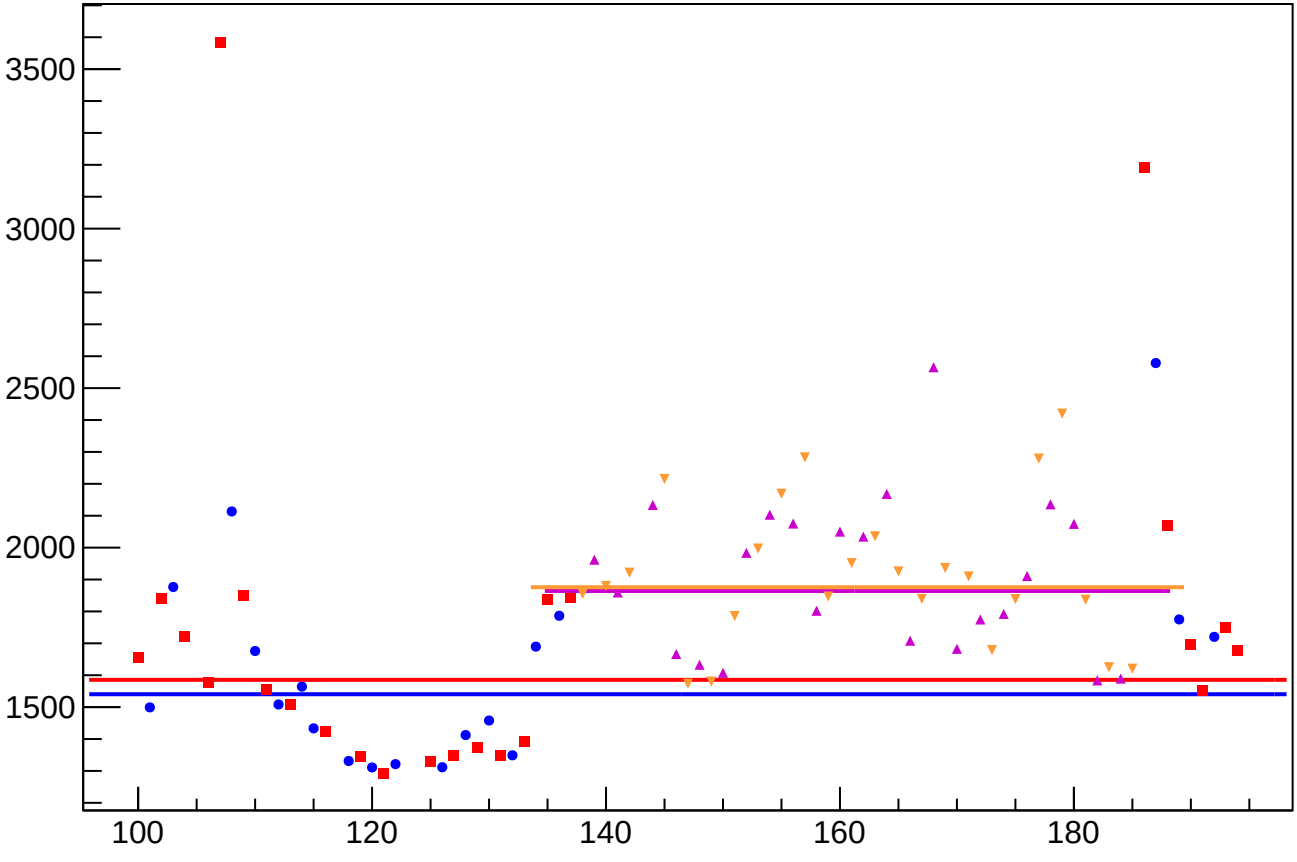
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

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

All: 186.279+/-234.136 χ^2/NDF: 163.3/89

- sign -1809.425+/-326.431 χ^2/NDF: 40.8/46

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: 1585.563+/-0.345 χ^2/NDF: 768079.8/23

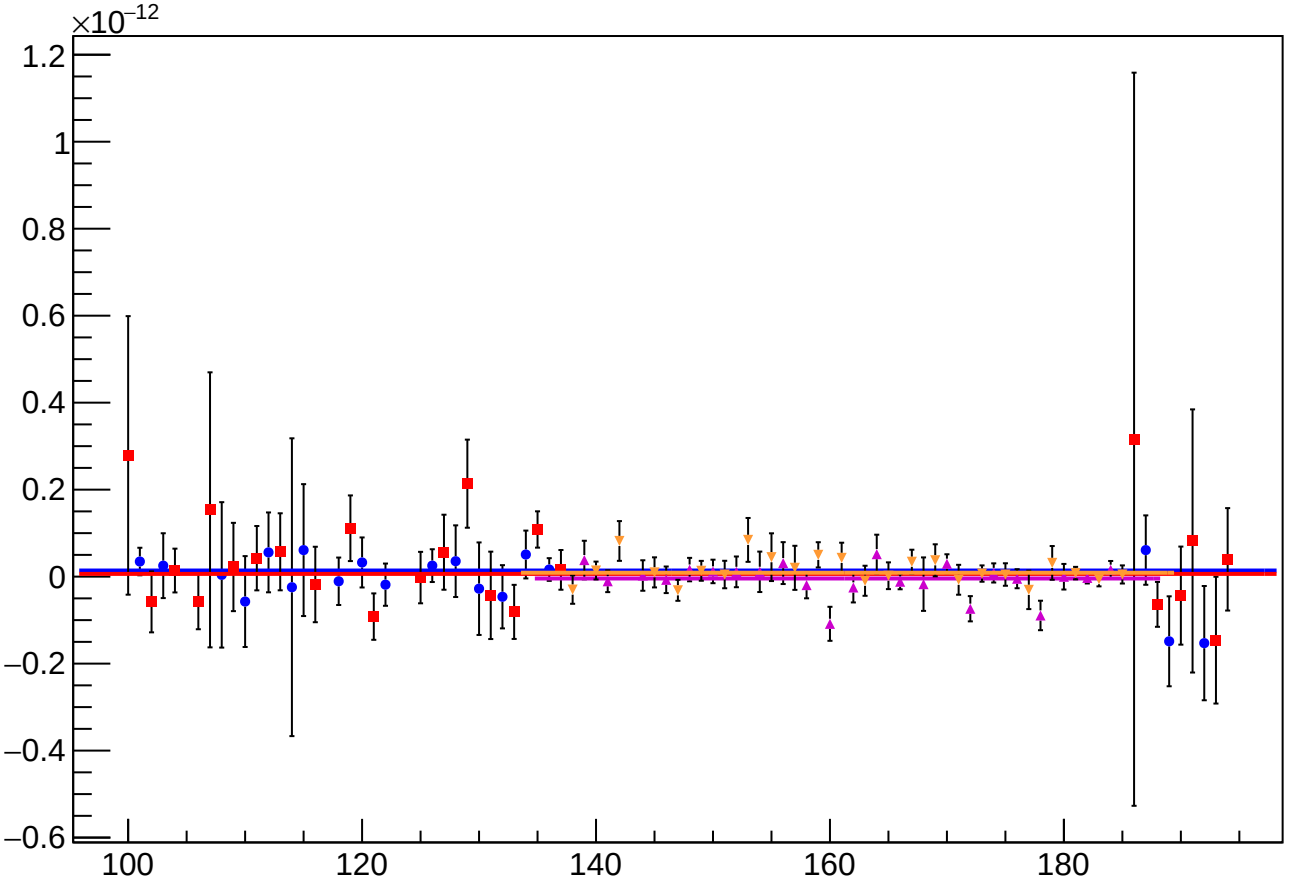
Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

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

All: 1738.103+/-0.166 χ^2/NDF: 2964207.2/89

- sign 1739.502+/-0.231 χ^2/NDF: 1638864.0/46

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: 25.0/23

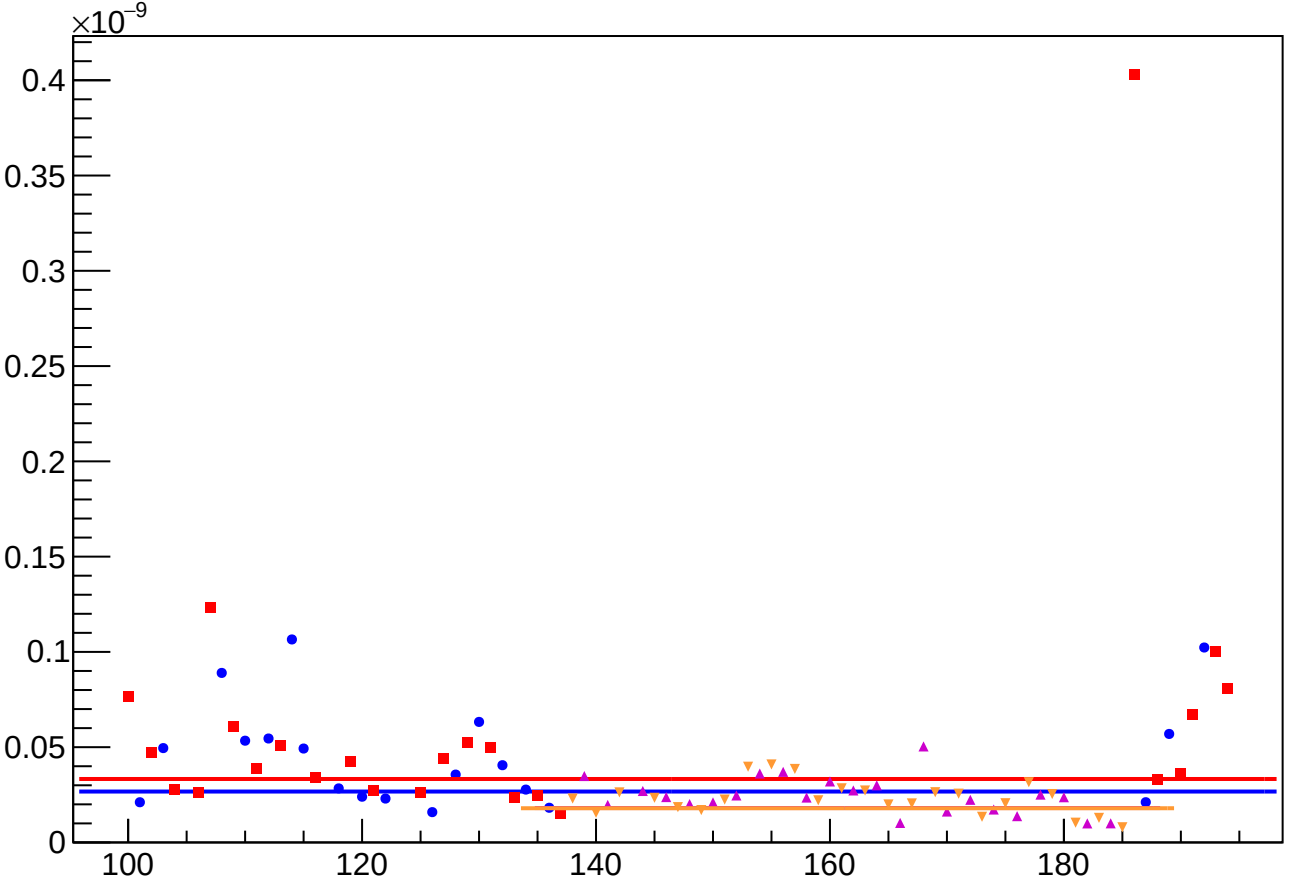
Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 24.6/42

All: 0.000+/-0.000 χ^2/NDF: 81.3/89

- sign -0.000+/-0.000 χ^2/NDF: 53.5/46

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: 2416860.8/23

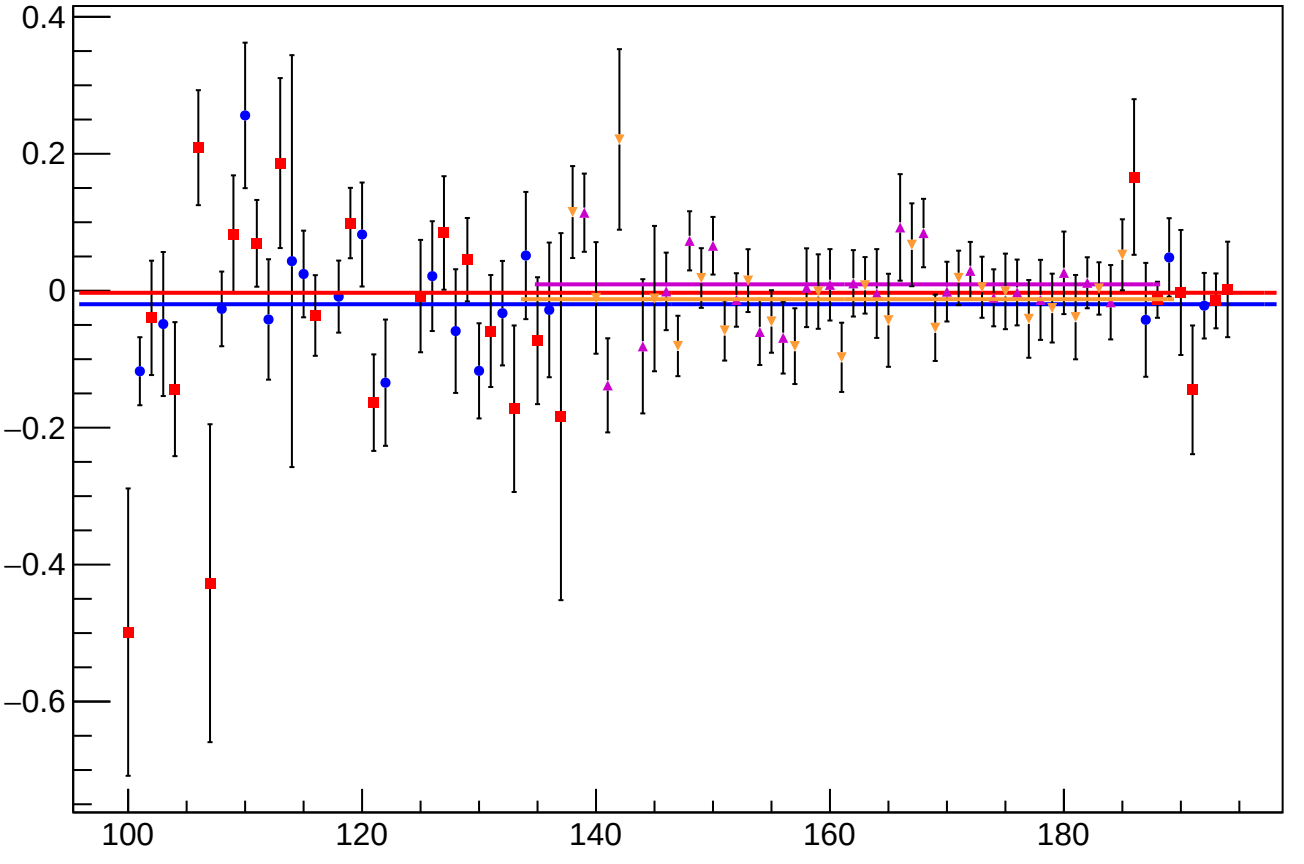
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

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

All: 0.000+/-0.000 χ^2/NDF: 15247372.3/89

- sign 0.000+/-0.000 χ^2/NDF: 8418848.5/46

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: 41.5/23

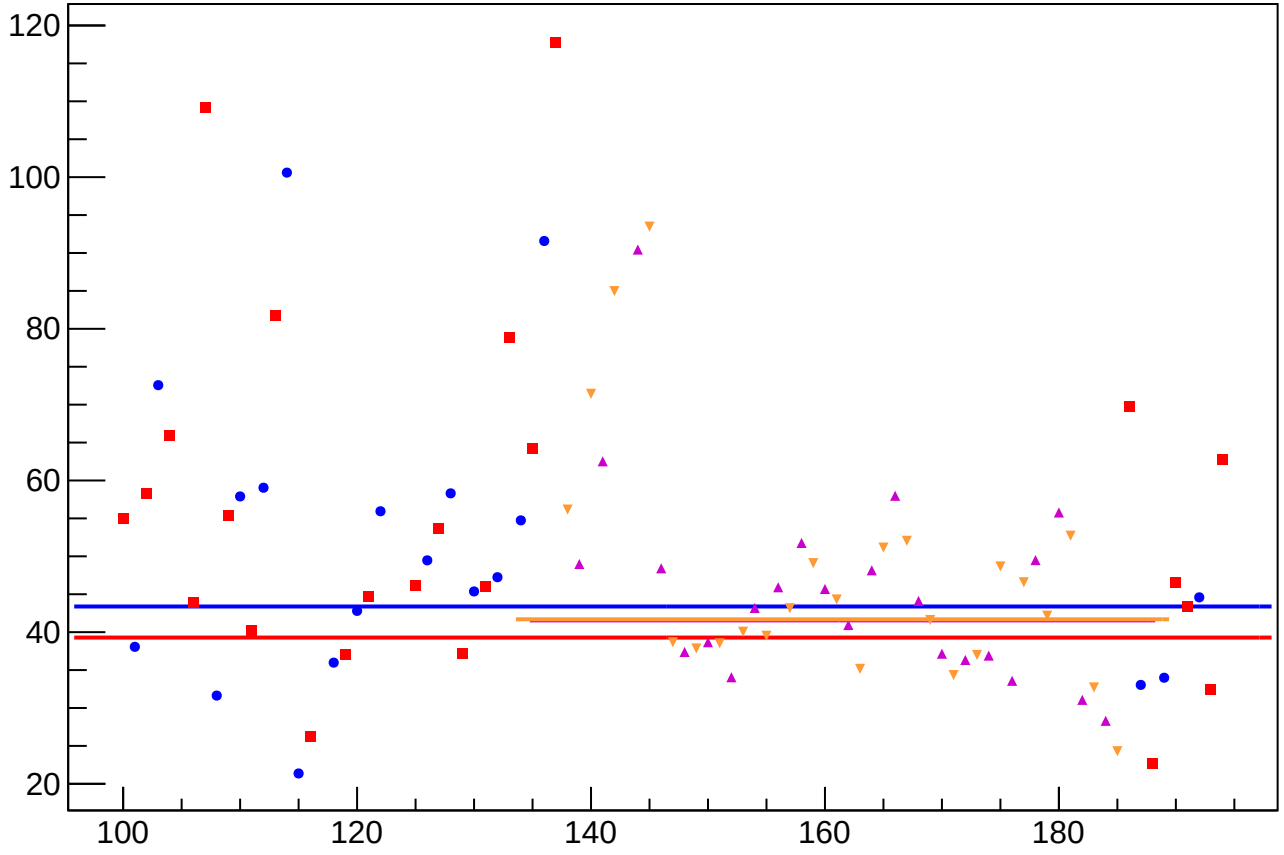
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

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

All: -0.004+/-0.006 χ^2/NDF: 107.7/89

- sign 0.005+/-0.008 χ^2/NDF: 63.9/46

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 43.385+/-0.012 χ^2/NDF: 1430761.4/18

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 39.287+/-0.010 χ^2/NDF: 2725002.4/23

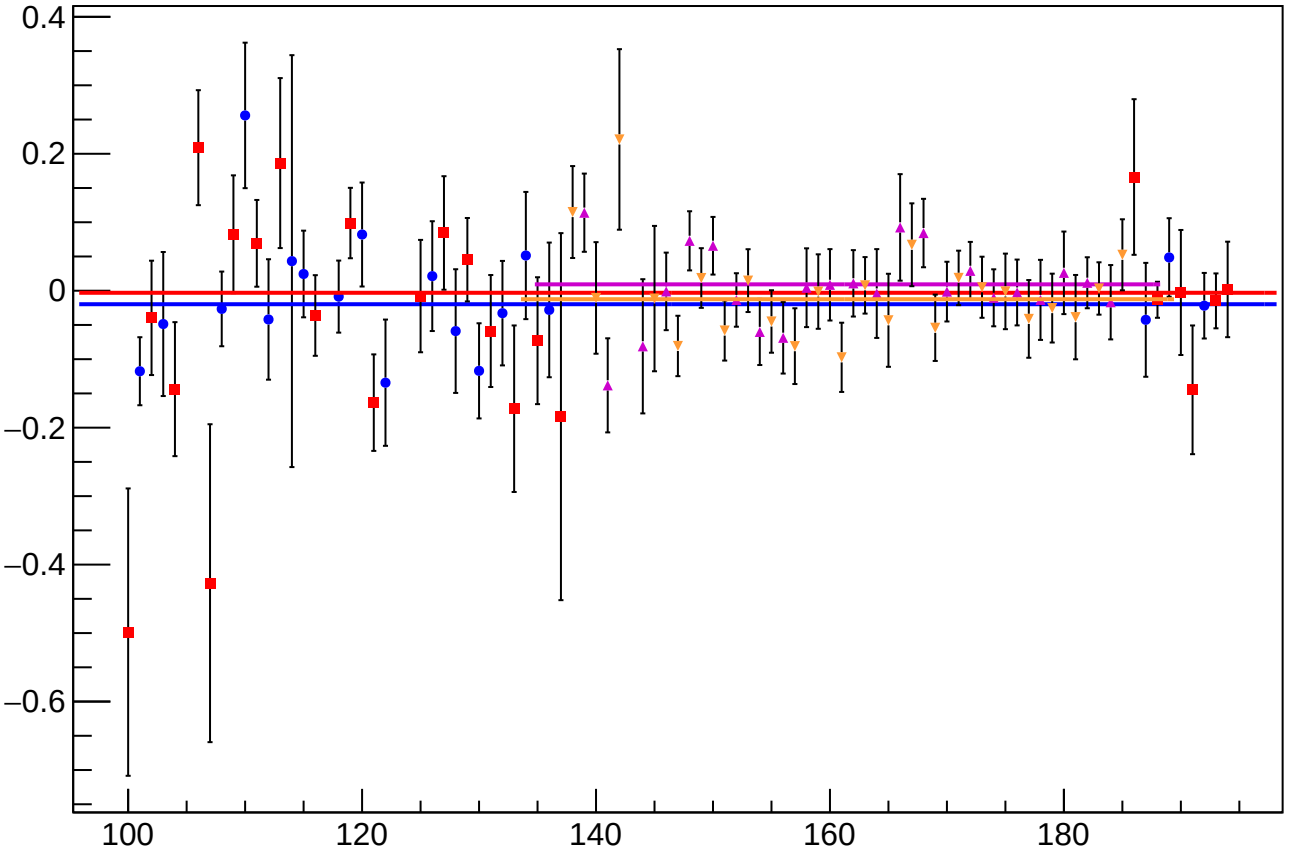
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

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

All: 41.413+/-0.004 χ^2/NDF: 7668671.1/89

- sign 40.723+/-0.006 χ^2/NDF: 4372071.3/46

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: 41.5/23

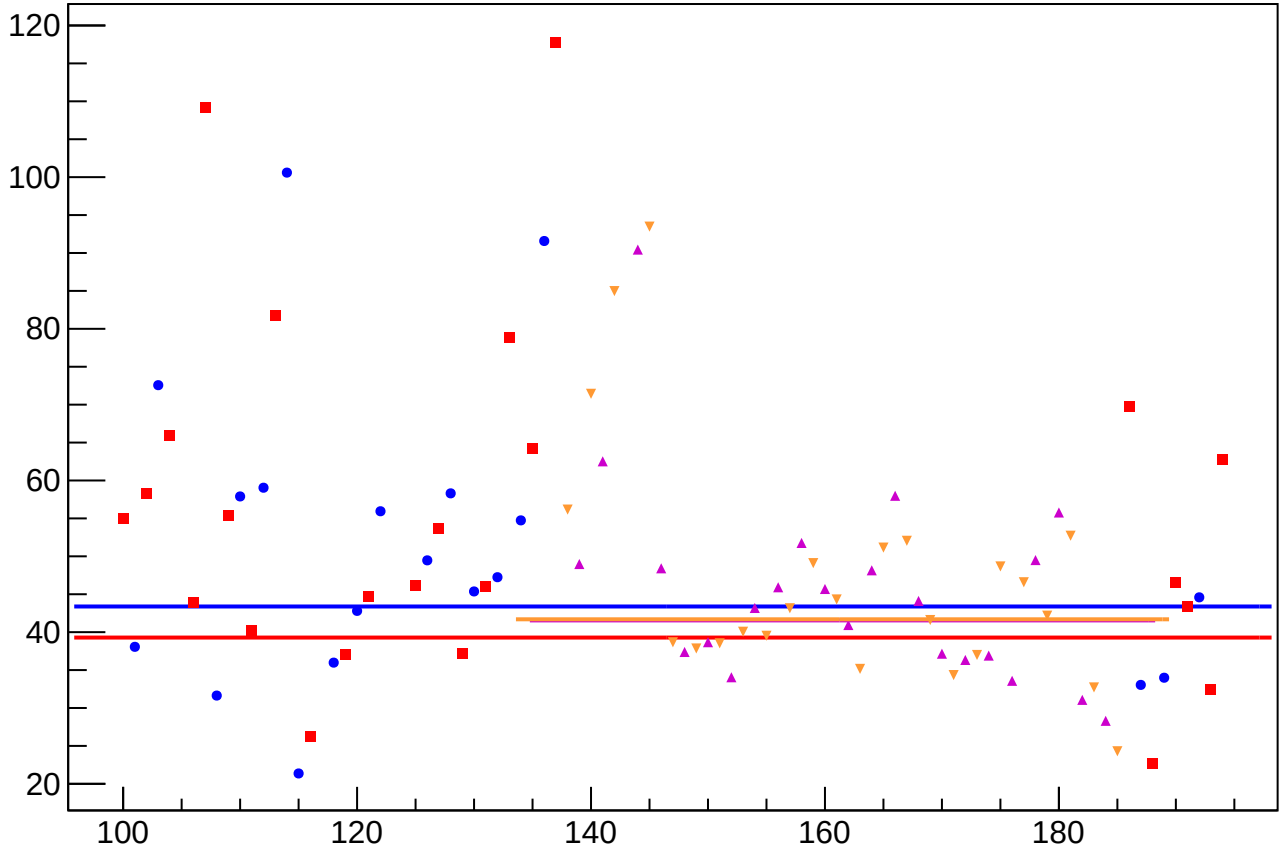
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

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

All: -0.004+/-0.006 χ^2/NDF: 107.7/89

- sign 0.005+/-0.008 χ^2/NDF: 63.9/46

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 43.385+/-0.012 χ^2/NDF: 1430761.4/18

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 39.287+/-0.010 χ^2/NDF: 2725002.4/23

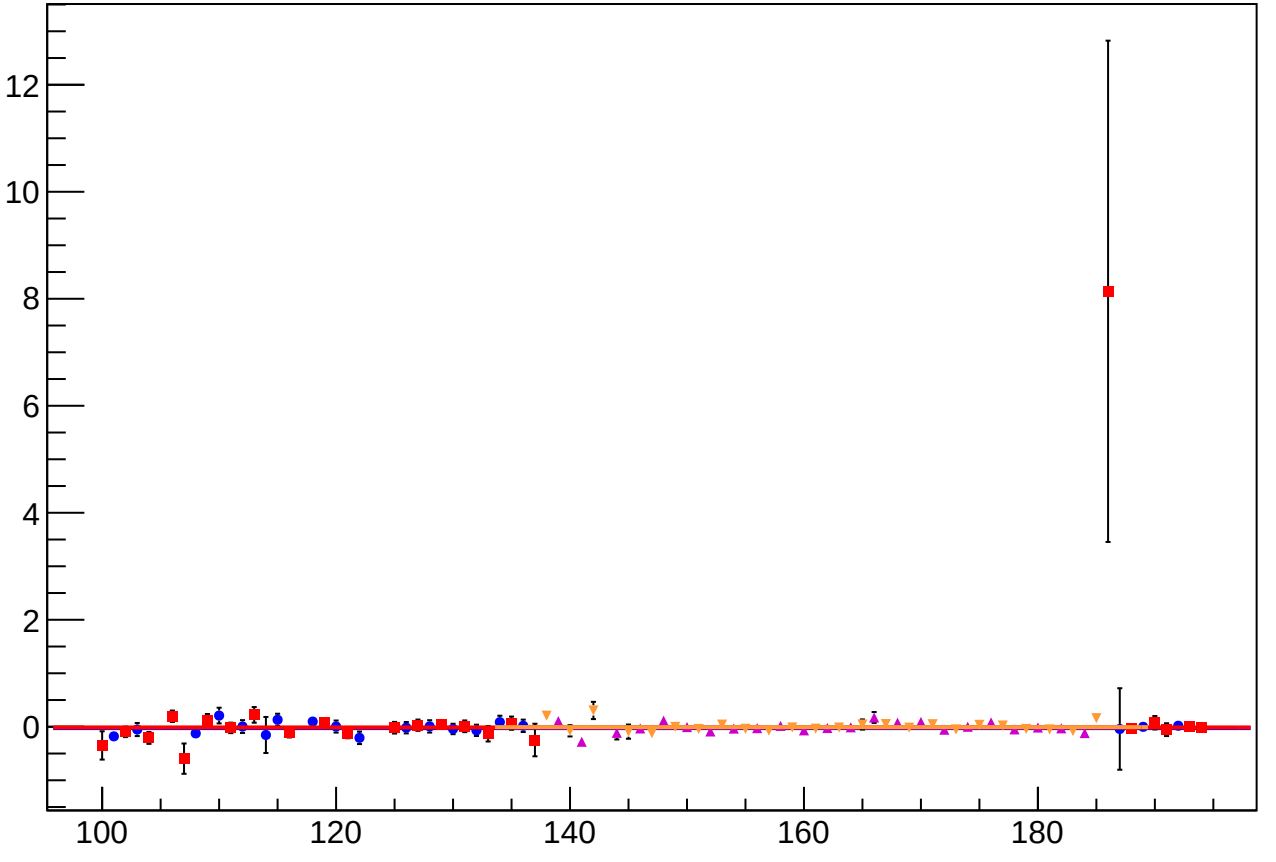
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

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

All: 41.413+/-0.004 χ^2/NDF: 7668671.1/89

- sign 40.723+/-0.006 χ^2/NDF: 4372071.3/46

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: -0.012+/-0.021 χ^2/NDF: 26.8/23

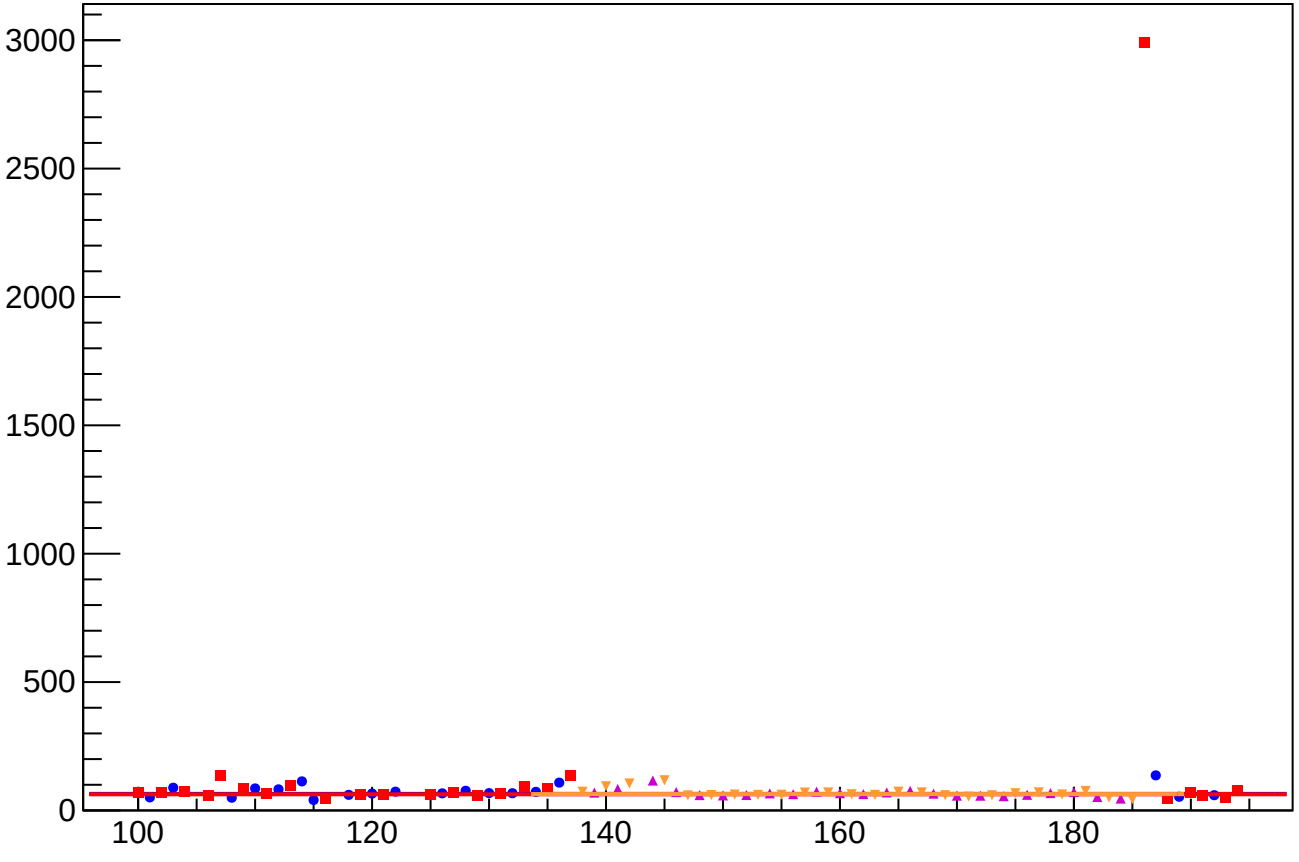
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

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

All: -0.011+/-0.009 χ^2/NDF: 97.3/89

- sign -0.009+/-0.012 χ^2/NDF: 55.0/46

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

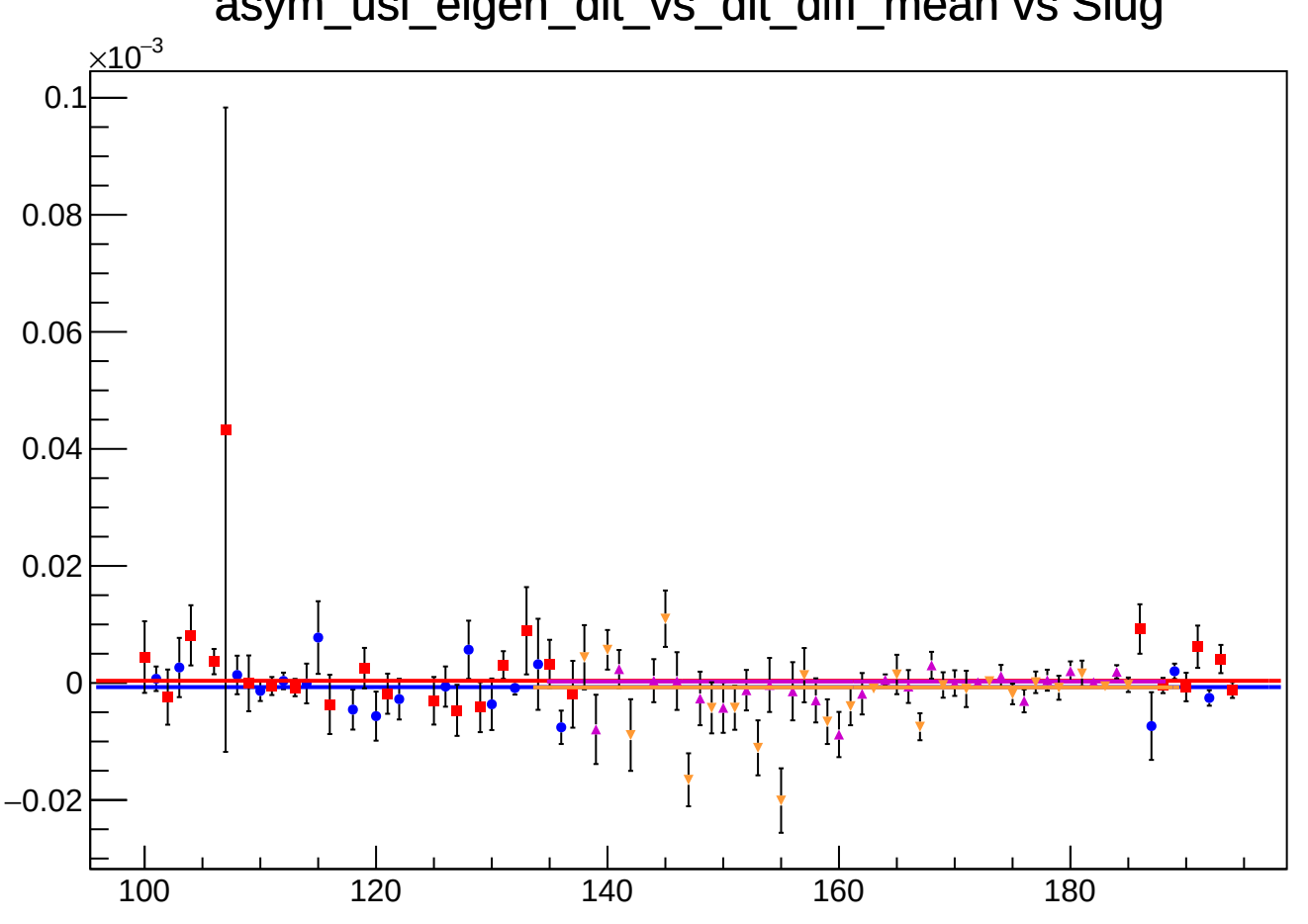
Right Out: 62.871+/-0.015 χ^2/NDF: 1858972.0/23

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

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

All: 63.807+/-0.006 χ^2/NDF: 4628502.2/89

- sign 63.618+/-0.009 χ^2/NDF: 2701815.8/46



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

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

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/23

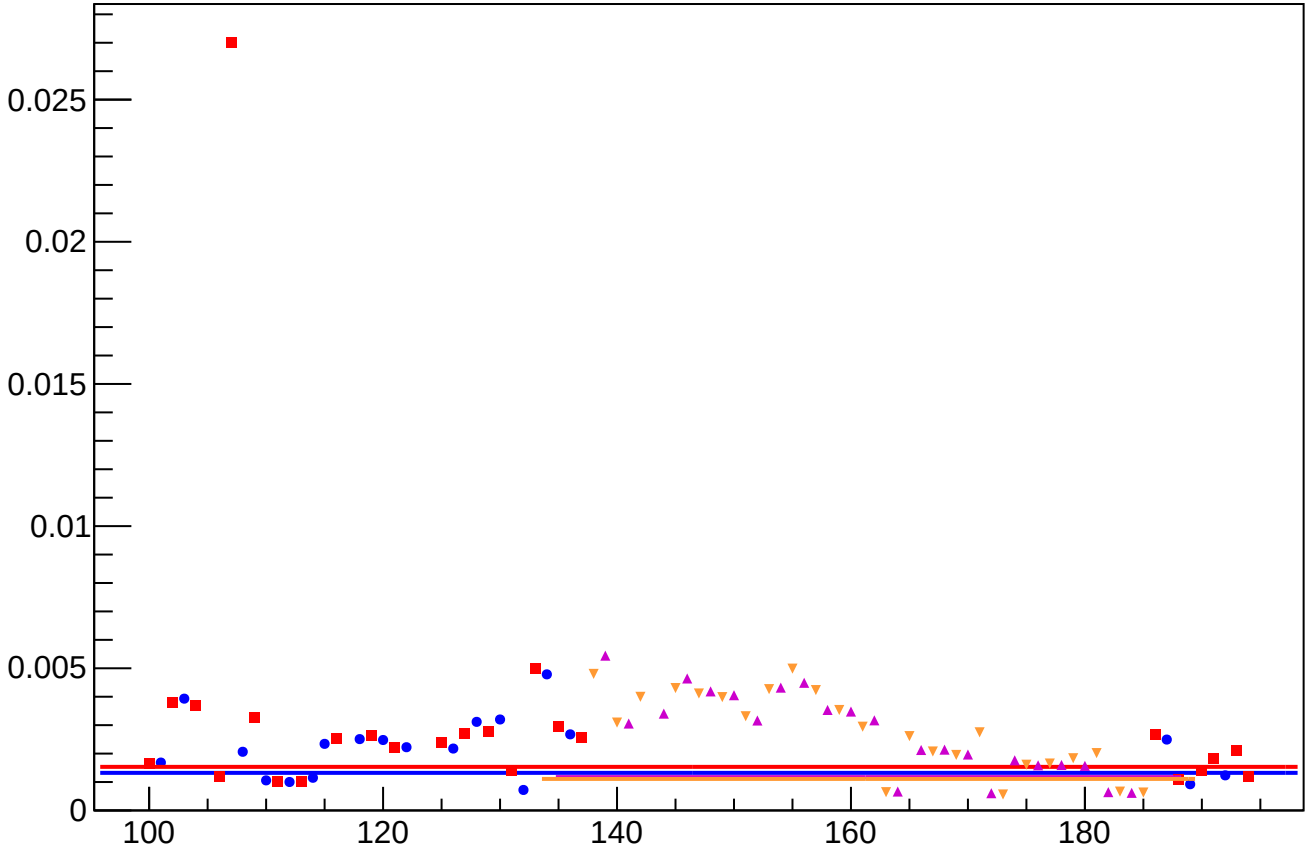
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

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

All: -0.000+/-0.000 χ^2/NDF: 133.8/89

- sign 0.000+/-0.000 χ^2/NDF: 44.9/46

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: 4153871.4/23

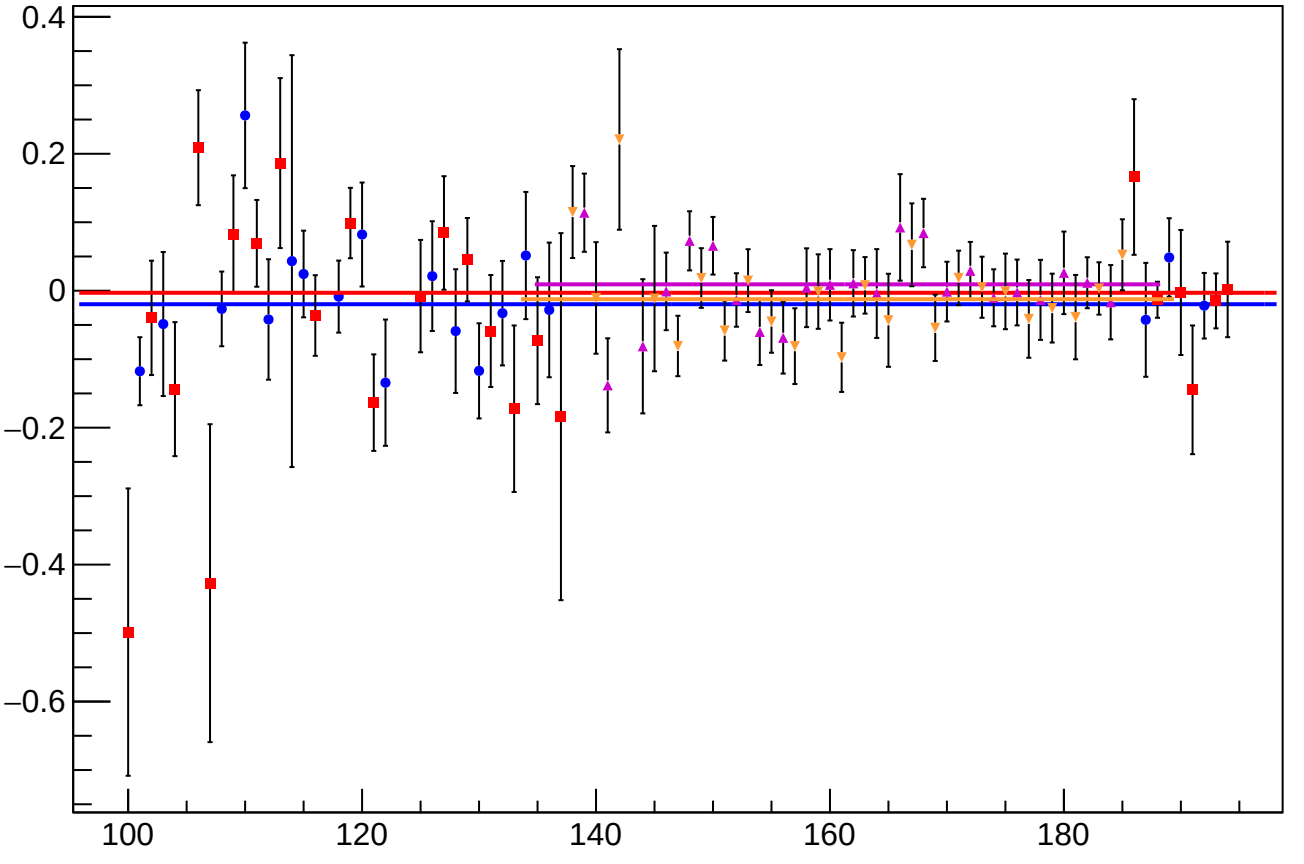
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

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

All: 0.001+/-0.000 χ^2/NDF: 38449118.1/89

- sign 0.001+/-0.000 χ^2/NDF: 19034801.8/46

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: 41.5/23

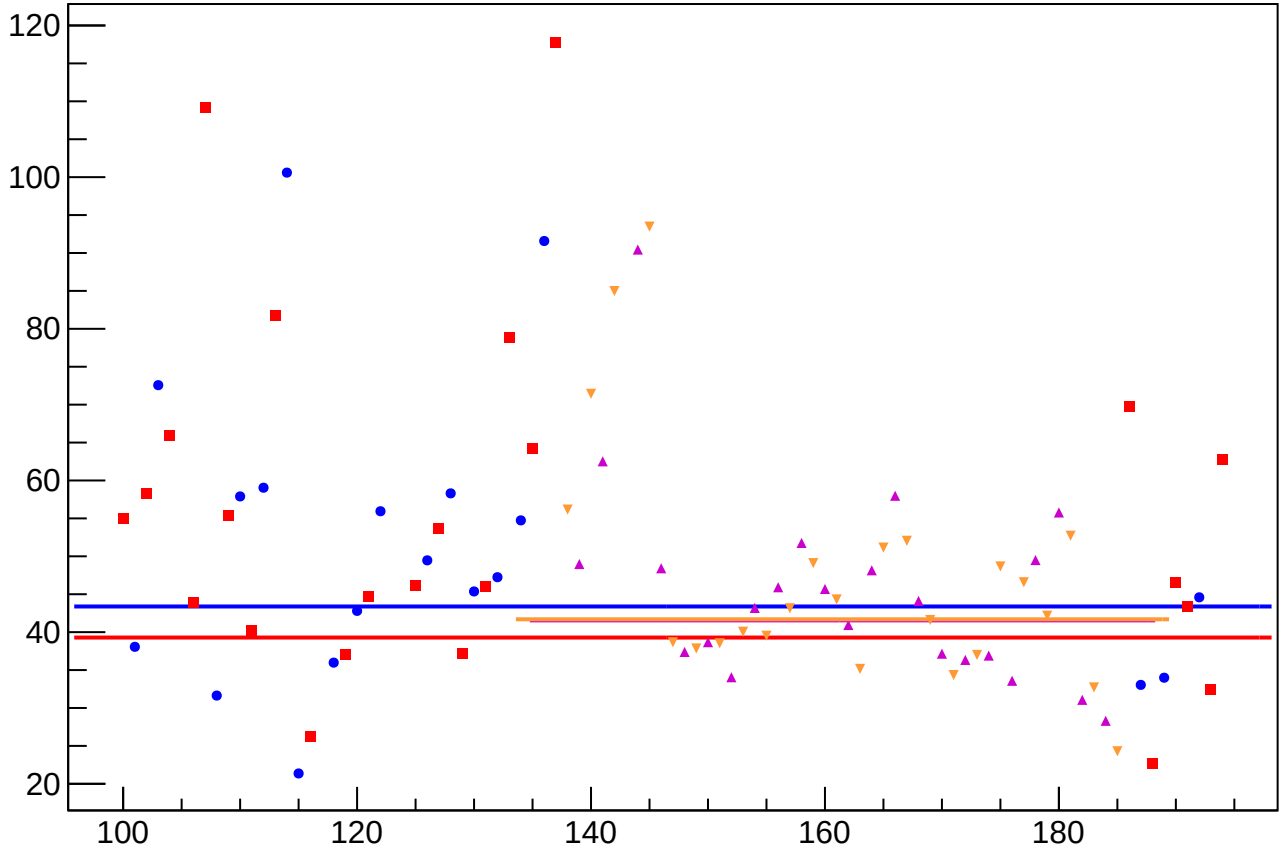
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

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

All: -0.004+/-0.006 χ^2/NDF: 107.7/89

- sign 0.005+/-0.008 χ^2/NDF: 63.9/46

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



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

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

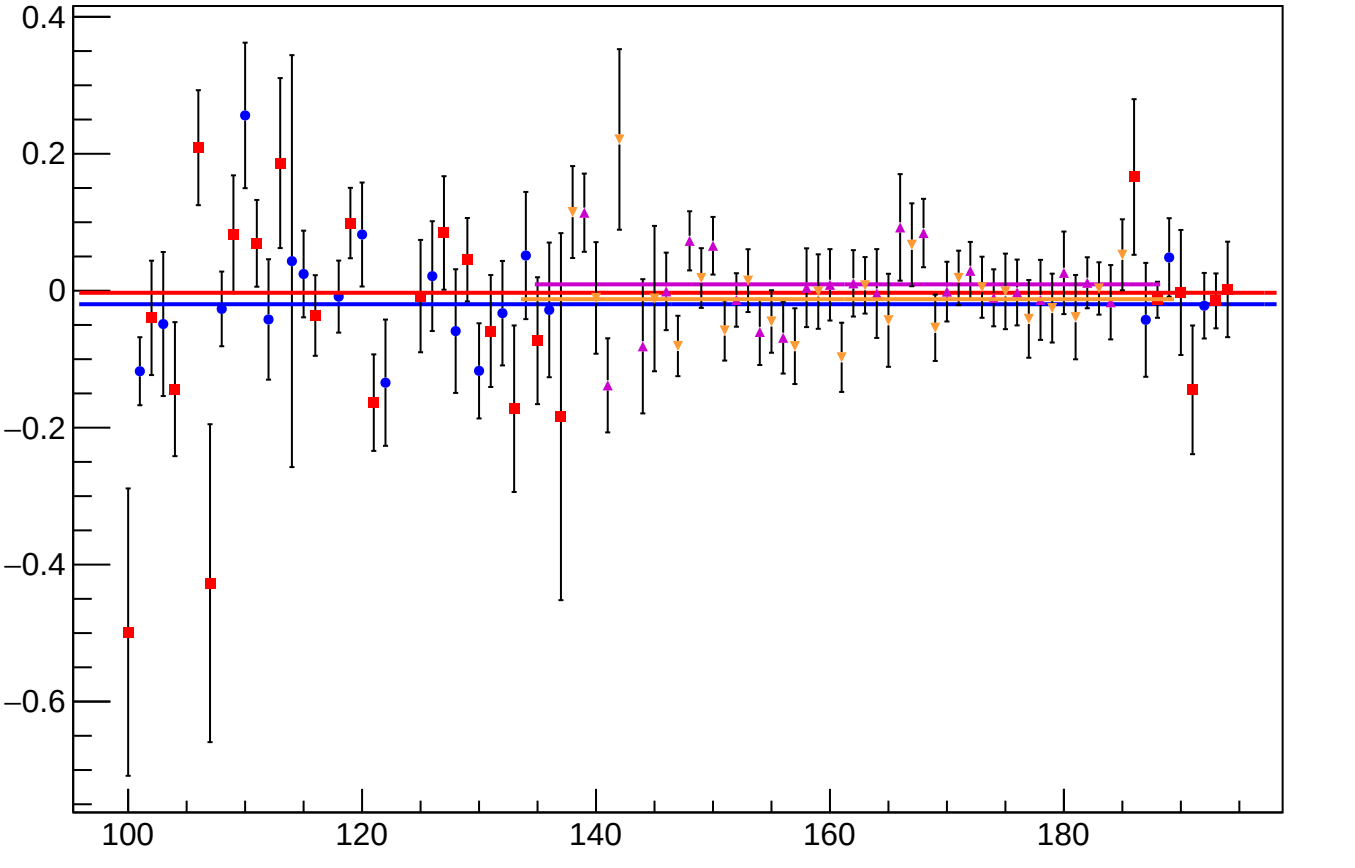
Right Out: 39.287+/-0.010 χ^2/NDF: 2724823.3/23

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

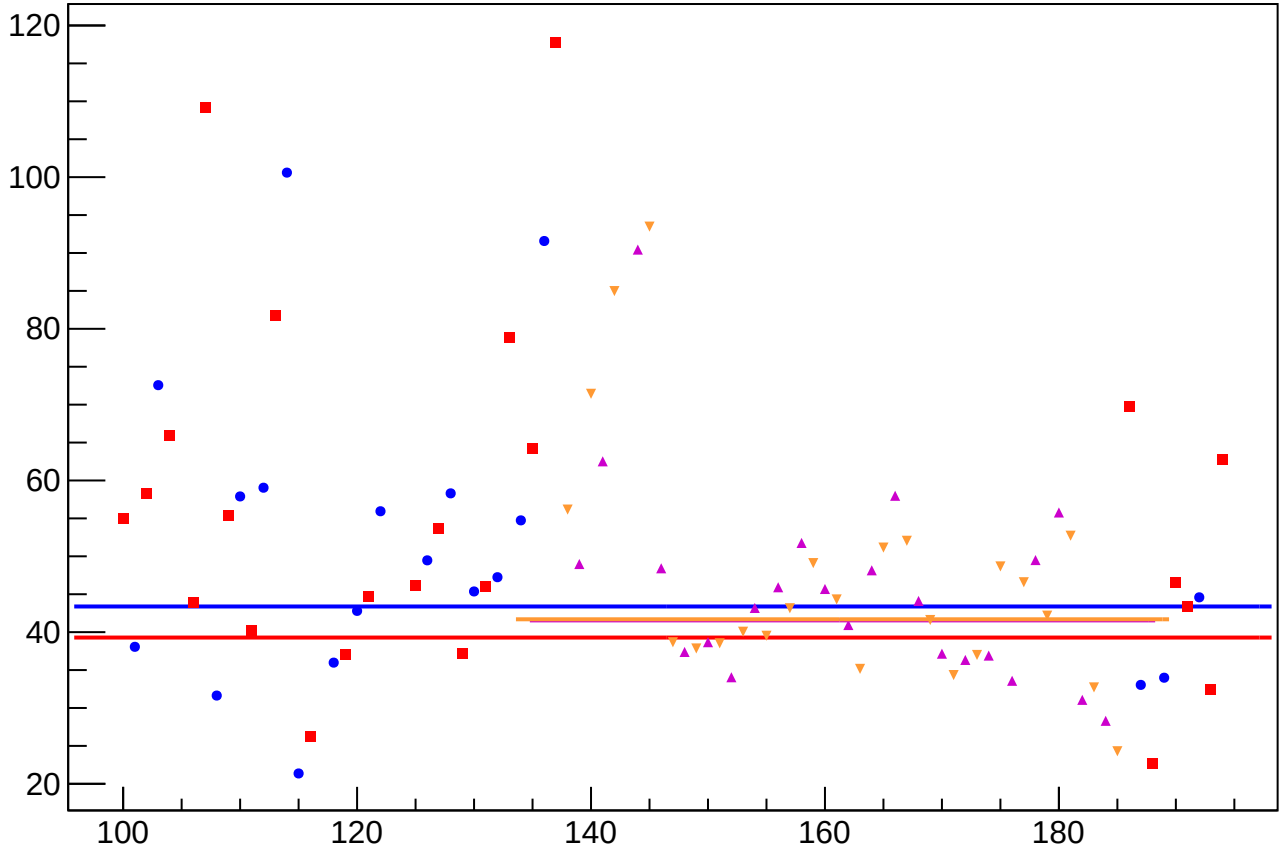
+ sign 42.186+/-0.006 χ^2/NDF: 3267643.9/42

All: 41.413+/-0.004 χ^2/NDF: 7668441.9/89

- sign 40.724+/-0.006 χ^2/NDF: 4371857.4/46


asym_usl_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: -0.020+/-0.016 χ²/NDF: 19.2/18
Left Out: -0.012+/-0.010 χ²/NDF:21.9/23
Right Out: -0.003+/-0.014 χ²/NDF: 41.5/23
Left In: 0.009+/-0.010 χ²/NDF:21.9/22
+ sign -0.015+/-0.009 χ²/NDF: 41.3/42
All: -0.004+/-0.006 χ²/NDF: 107.7/89
- sign 0.005+/-0.008 χ²/NDF: 63.9/46

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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

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

Right Out: 39.287+/-0.010 χ^2/NDF: 2724823.3/23

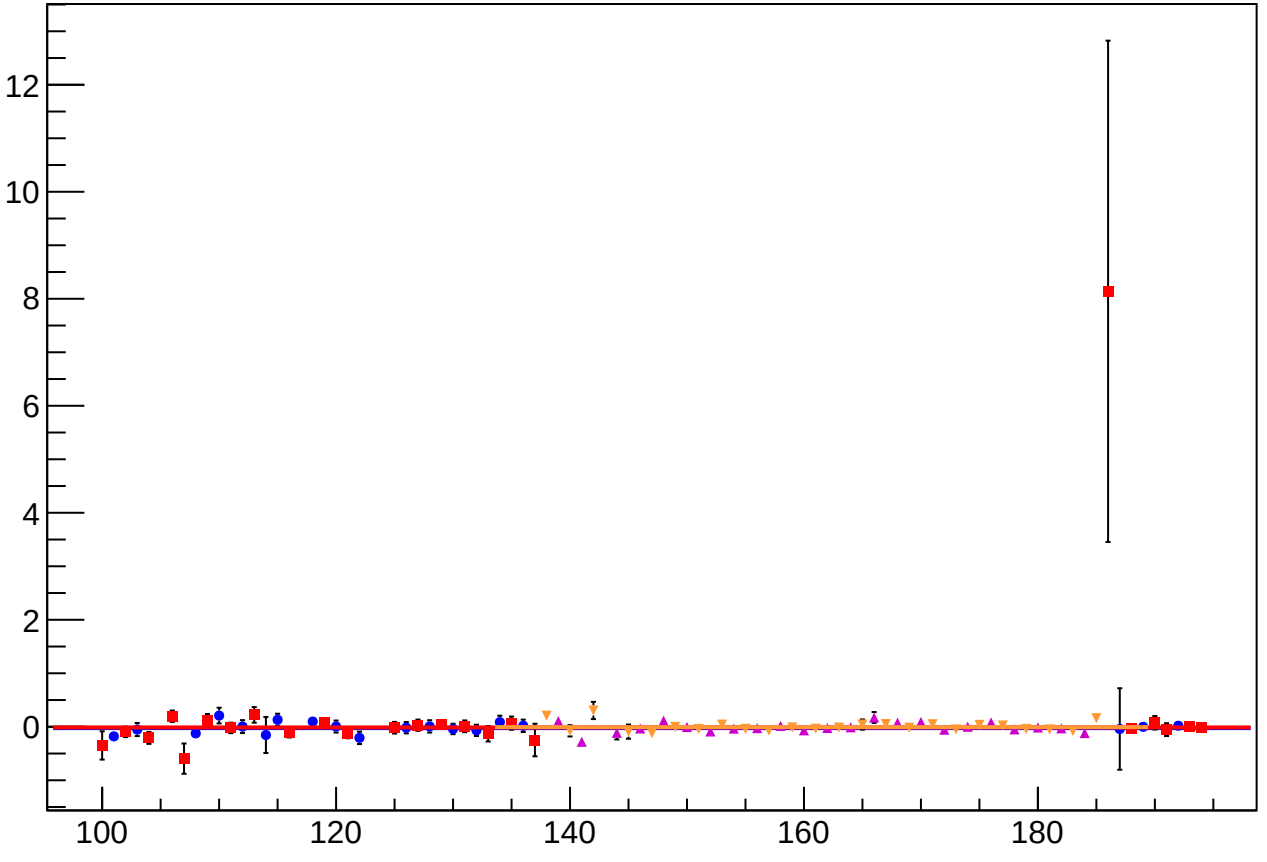
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

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

All: 41.413+/-0.004 χ^2/NDF: 7668441.9/89

- sign 40.724+/-0.006 χ^2/NDF: 4371857.4/46

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: -0.012+/-0.021 χ^2/NDF: 26.8/23

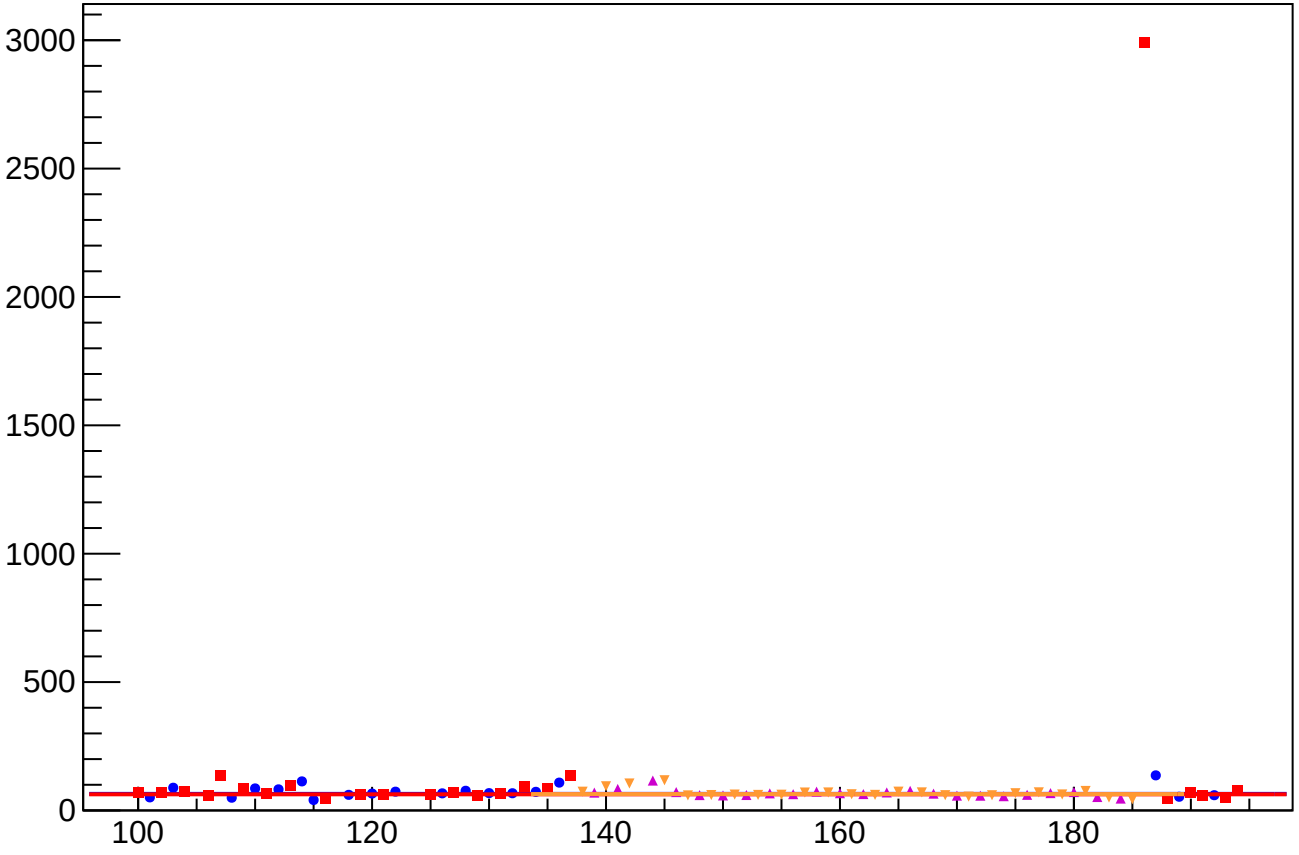
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

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

All: -0.011+/-0.009 χ^2/NDF: 97.3/89

- sign -0.009+/-0.012 χ^2/NDF: 55.0/46

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: 62.870+/-0.015 χ^2/NDF: 1858942.2/23

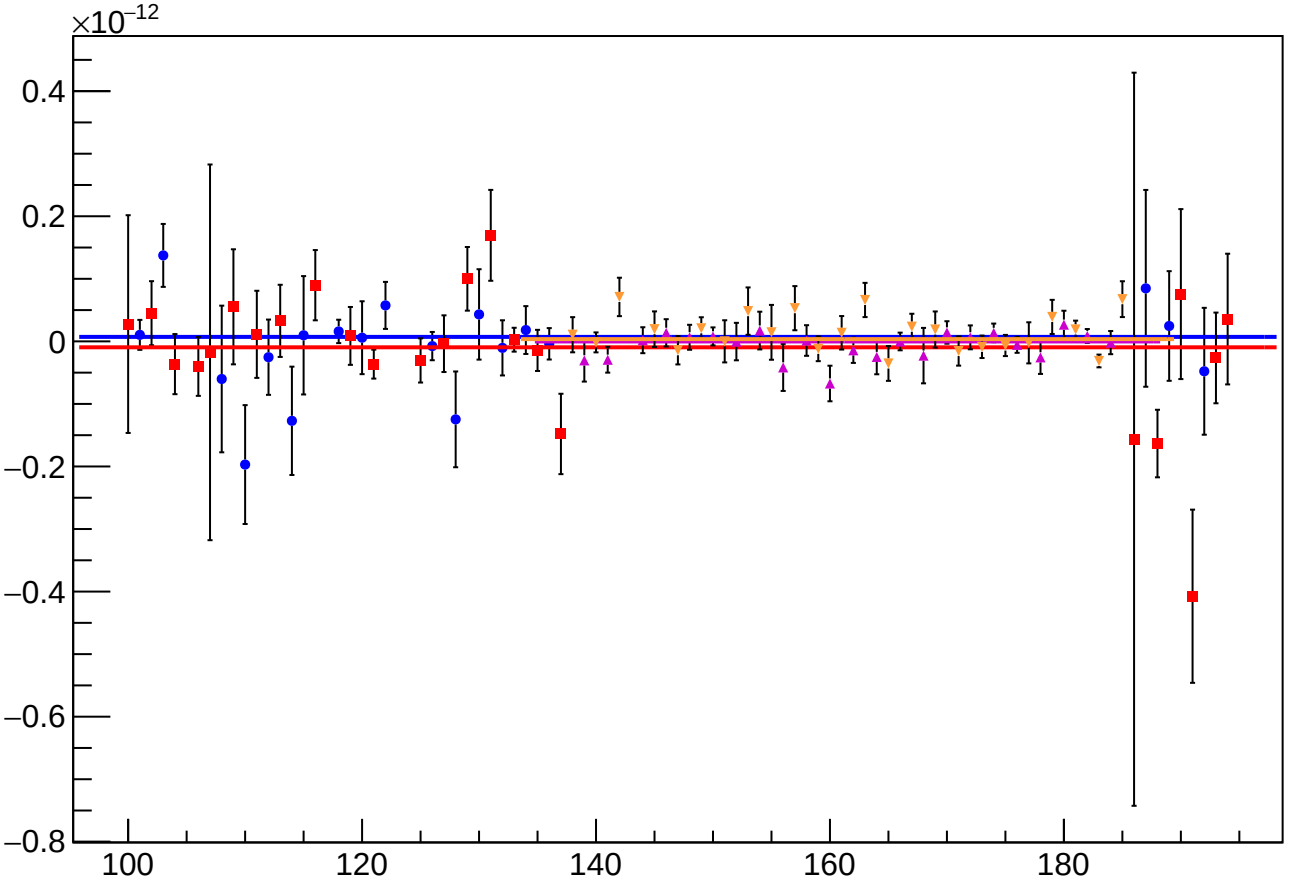
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

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

All: 63.807+/-0.006 χ^2/NDF: 4628458.7/89

- sign 63.618+/-0.009 χ^2/NDF: 2701785.0/46

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: 40.9/23

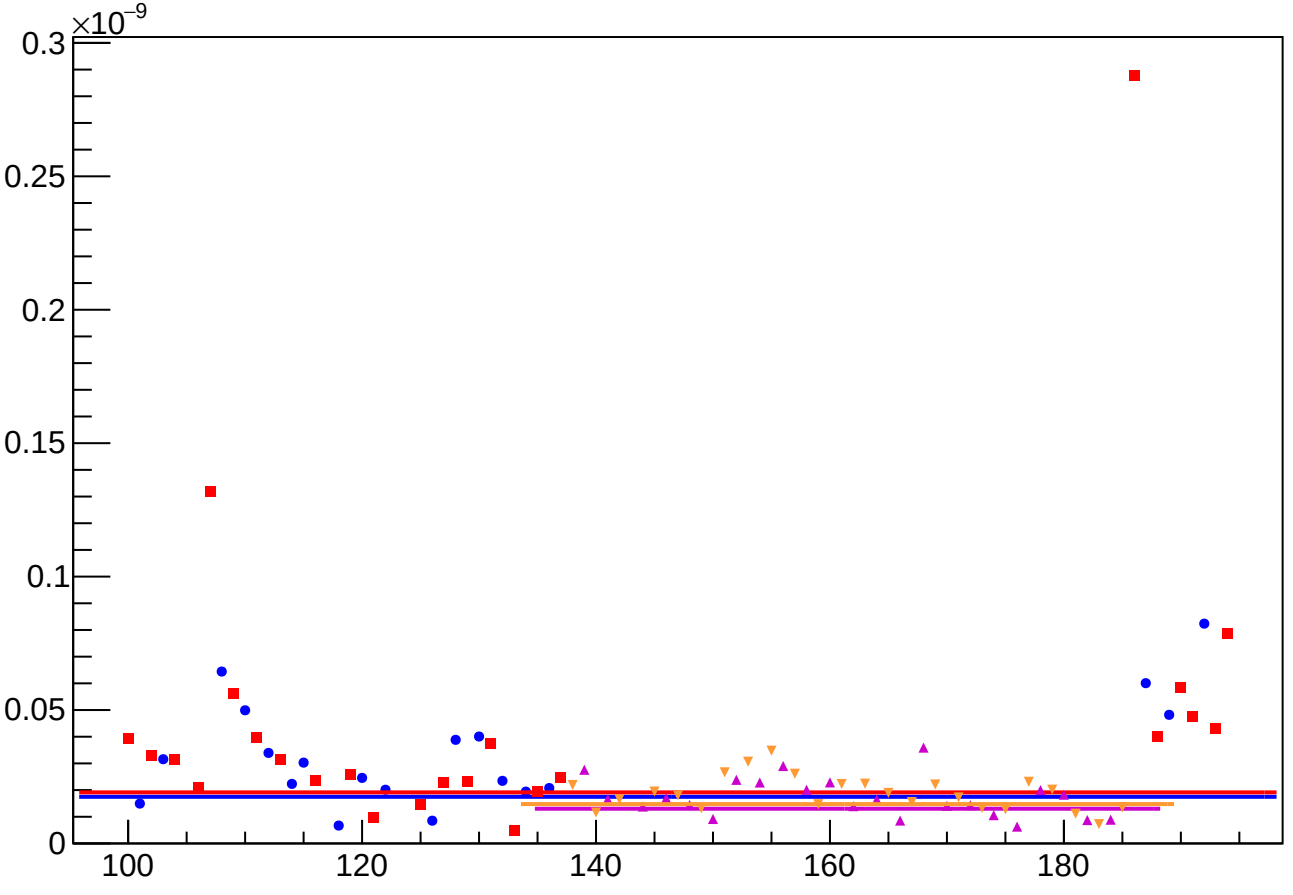
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.7/42

All: 0.000+/-0.000 χ^2/NDF: 121.7/89

- sign -0.000+/-0.000 χ^2/NDF: 58.8/46

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: 4713638.6/23

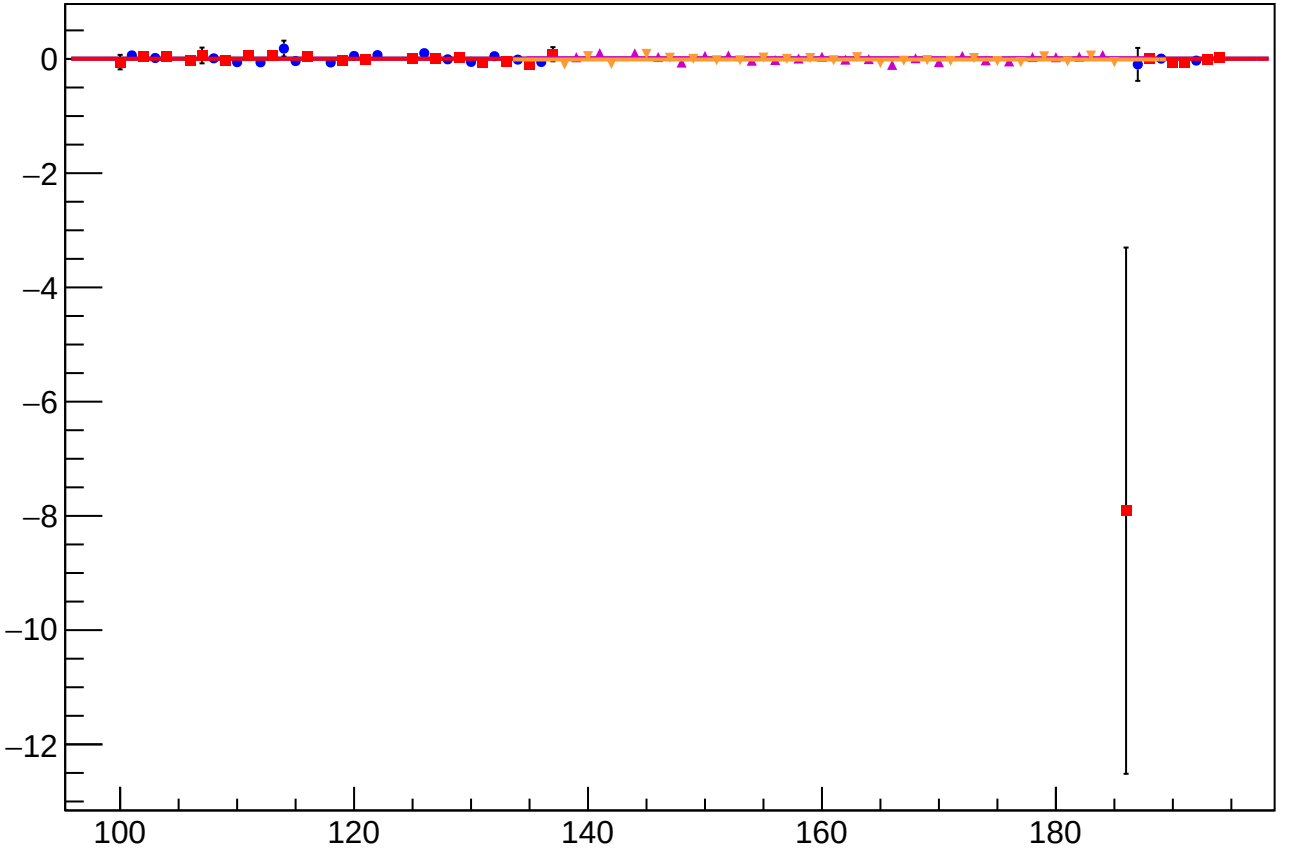
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

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

All: 0.000+/-0.000 χ^2/NDF: 16720638.6/89

- sign 0.000+/-0.000 χ^2/NDF: 9345402.2/46

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: 0.004+/-0.011 χ^2/NDF: 16.0/23

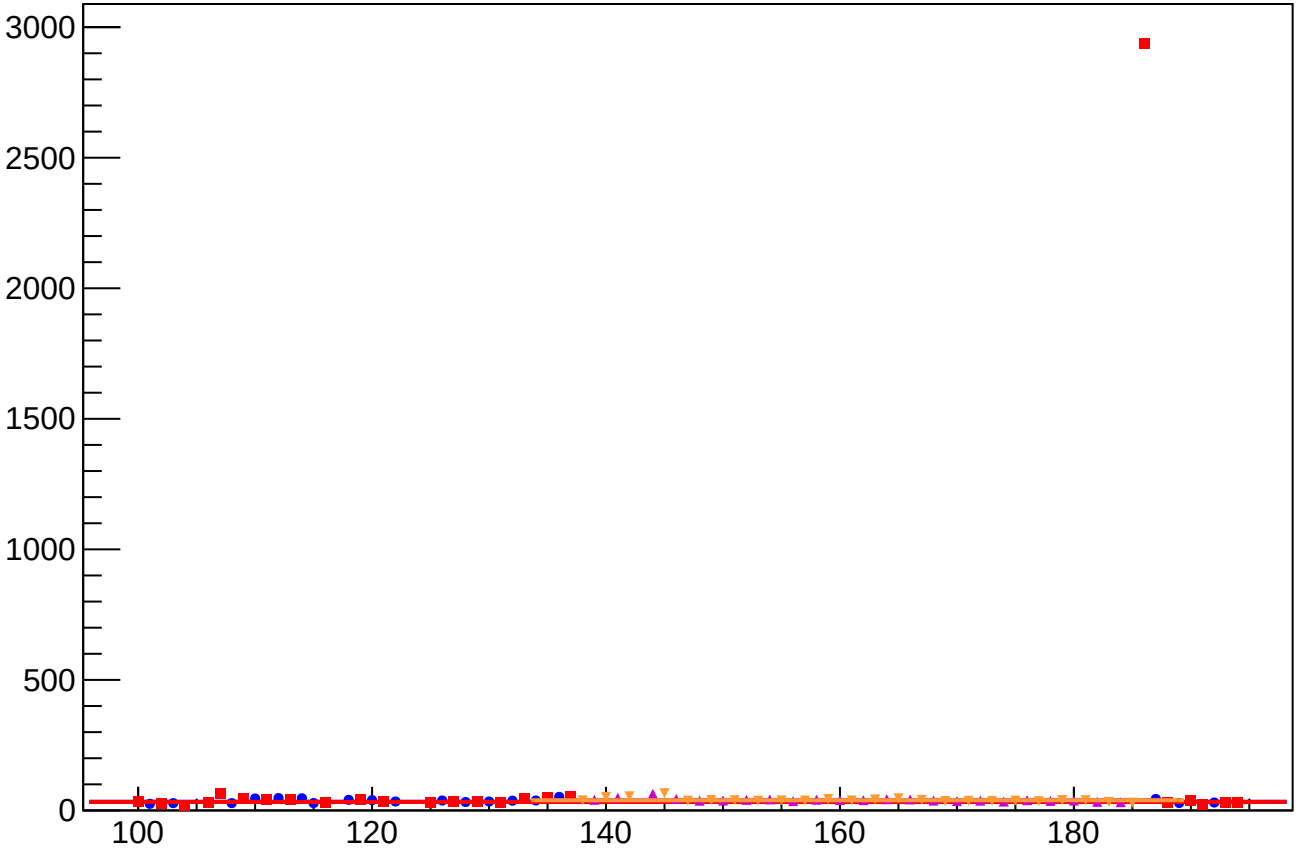
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

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

All: 0.002+/-0.005 χ^2/NDF: 77.5/89

- sign 0.008+/-0.007 χ^2/NDF: 39.5/46

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

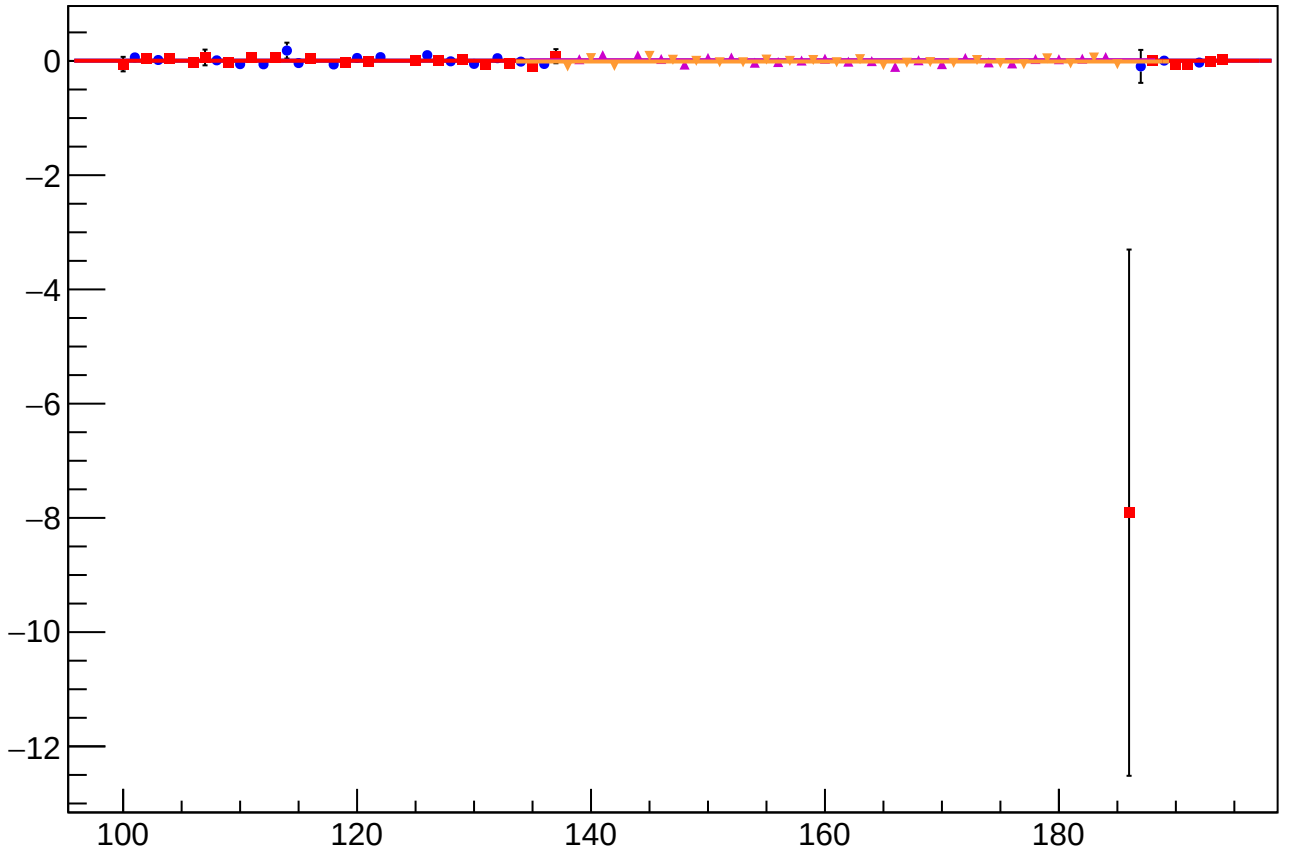
Right Out: 32.612+/-0.008 χ^2/NDF: 1804206.0/23

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

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

All: 36.543+/-0.004 χ^2/NDF: 4331073.6/89

- sign 36.287+/-0.005 χ^2/NDF: 2741530.0/46



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/18

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.004+/-0.011 χ^2/NDF: 16.0/23

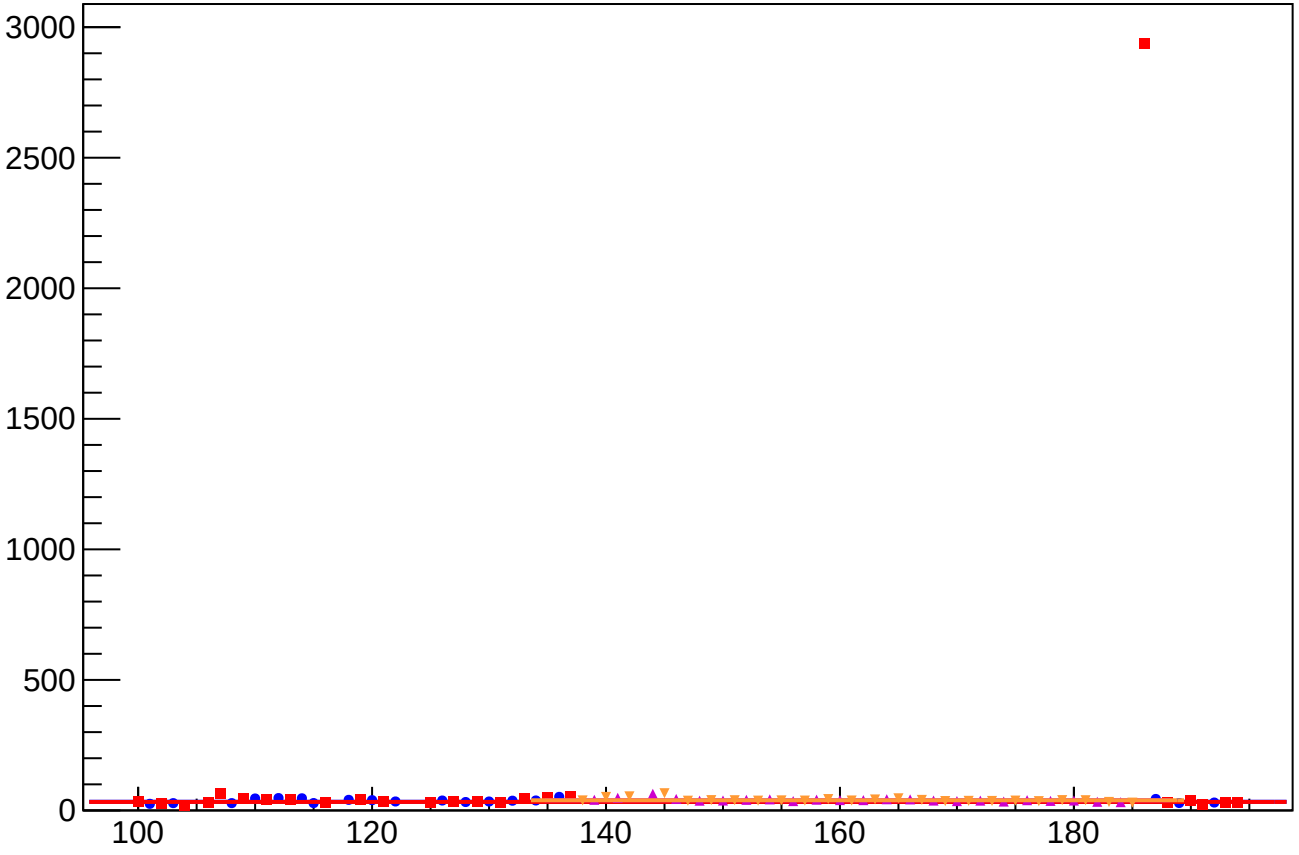
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

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

All: 0.002+/-0.005 χ^2/NDF: 77.5/89

- sign 0.008+/-0.007 χ^2/NDF: 39.5/46

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: 32.612+/-0.008 χ^2/NDF: 1804206.0/23

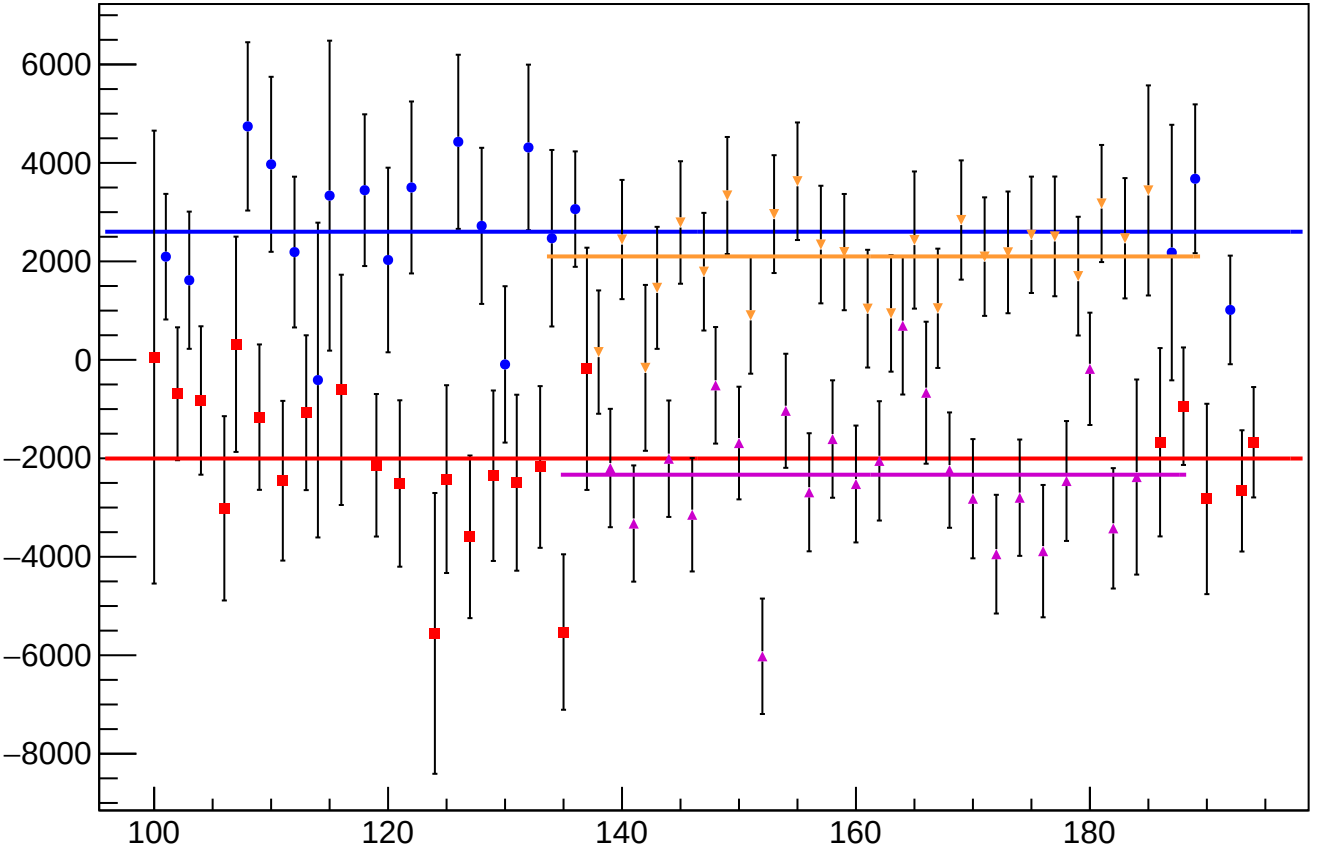
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

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

All: 36.543+/-0.004 χ^2/NDF: 4331073.6/89

\- sign 36.287+/-0.005 χ^2/NDF: 2741530.0/46

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: -2003.833+/-336.504 χ^2/NDF: 13.9/23

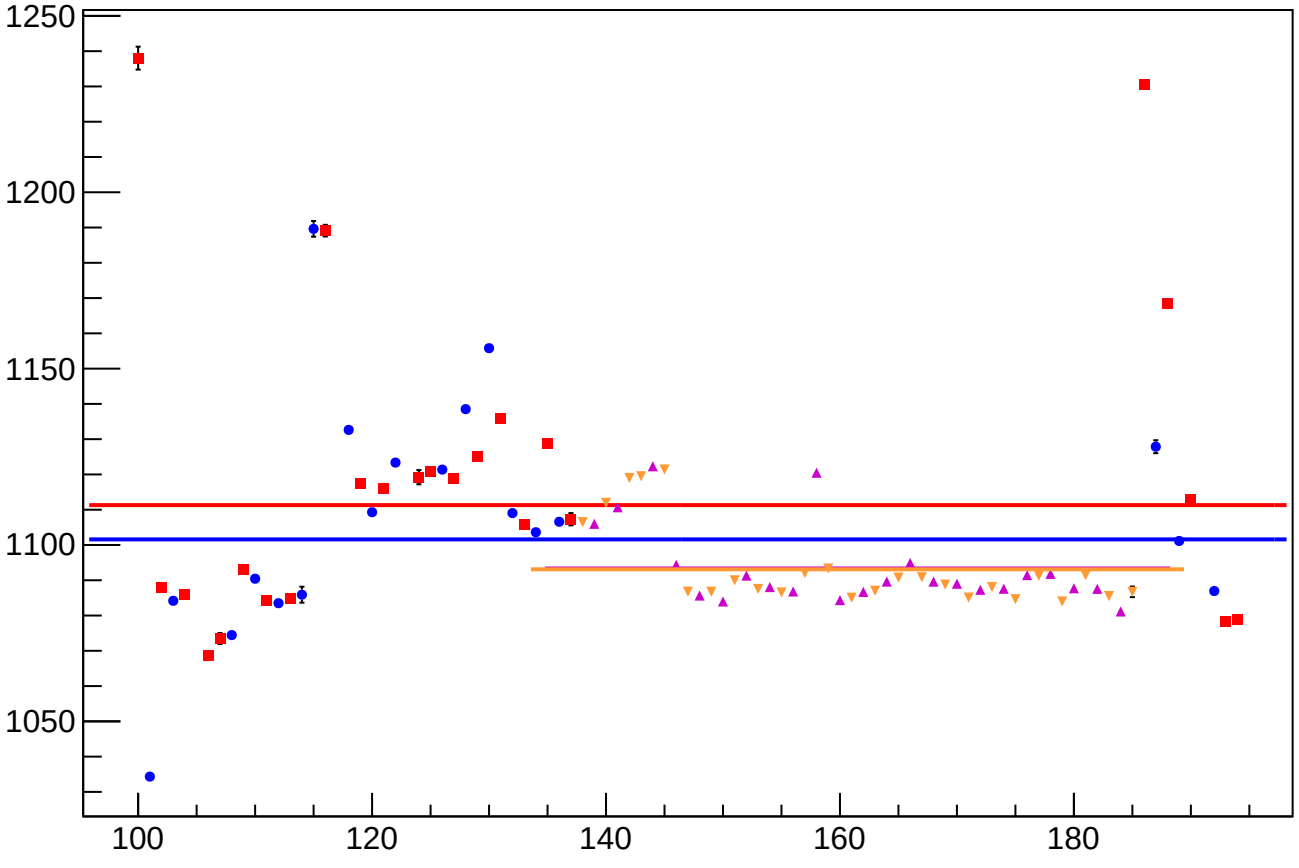
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

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

All: -5.650+/-144.705 χ^2/NDF: 309.9/90

- sign -2212.729+/-203.381 χ^2/NDF: 44.0/46

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: 1111.306+/-0.238 χ^2/NDF: 24357.9/23

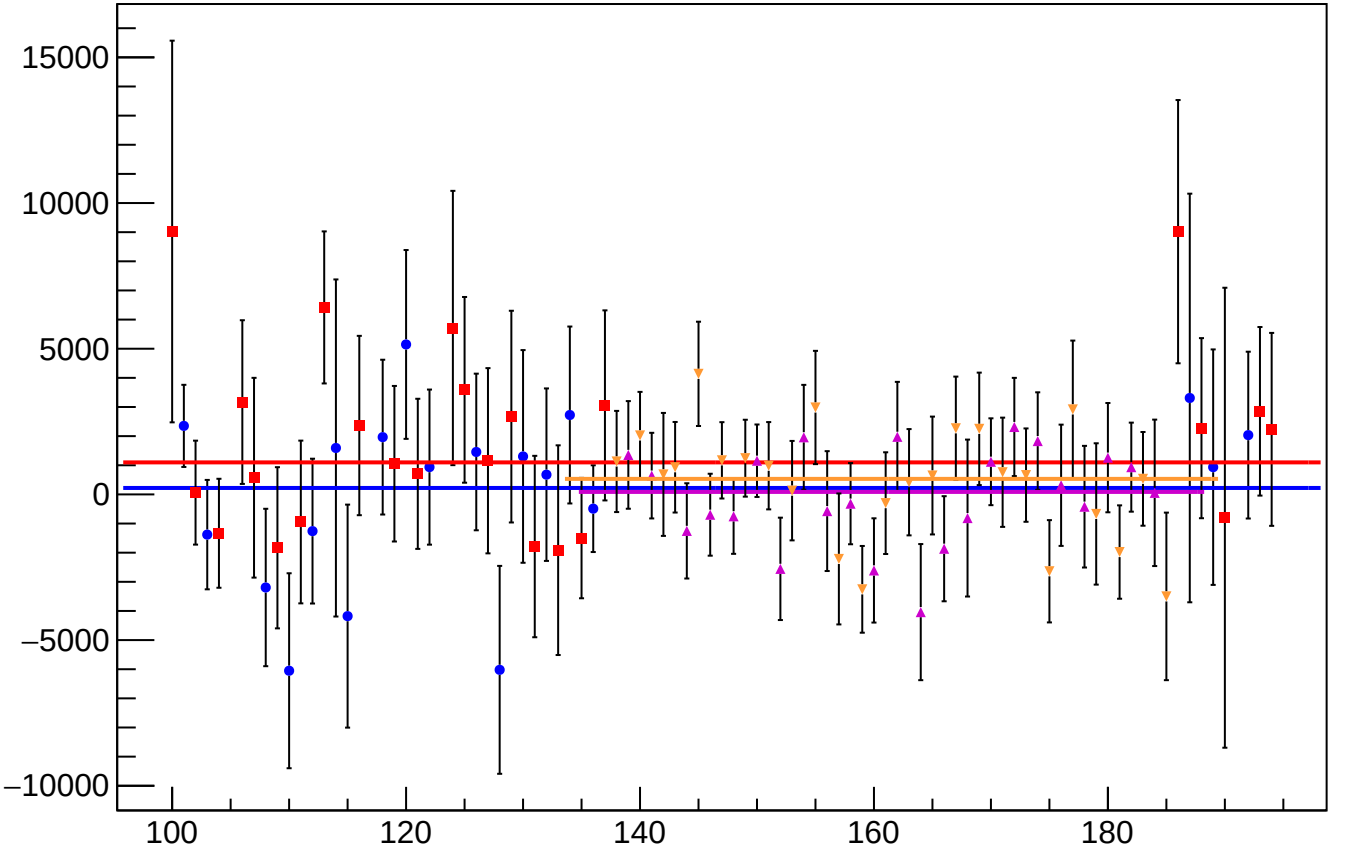
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

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

All: 1097.852+/-0.102 χ^2/NDF: 50631.3/90

- sign 1099.902+/-0.144 χ^2/NDF: 31702.7/46

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: 1098.858+/-592.850 χ^2/NDF: 19.1/23

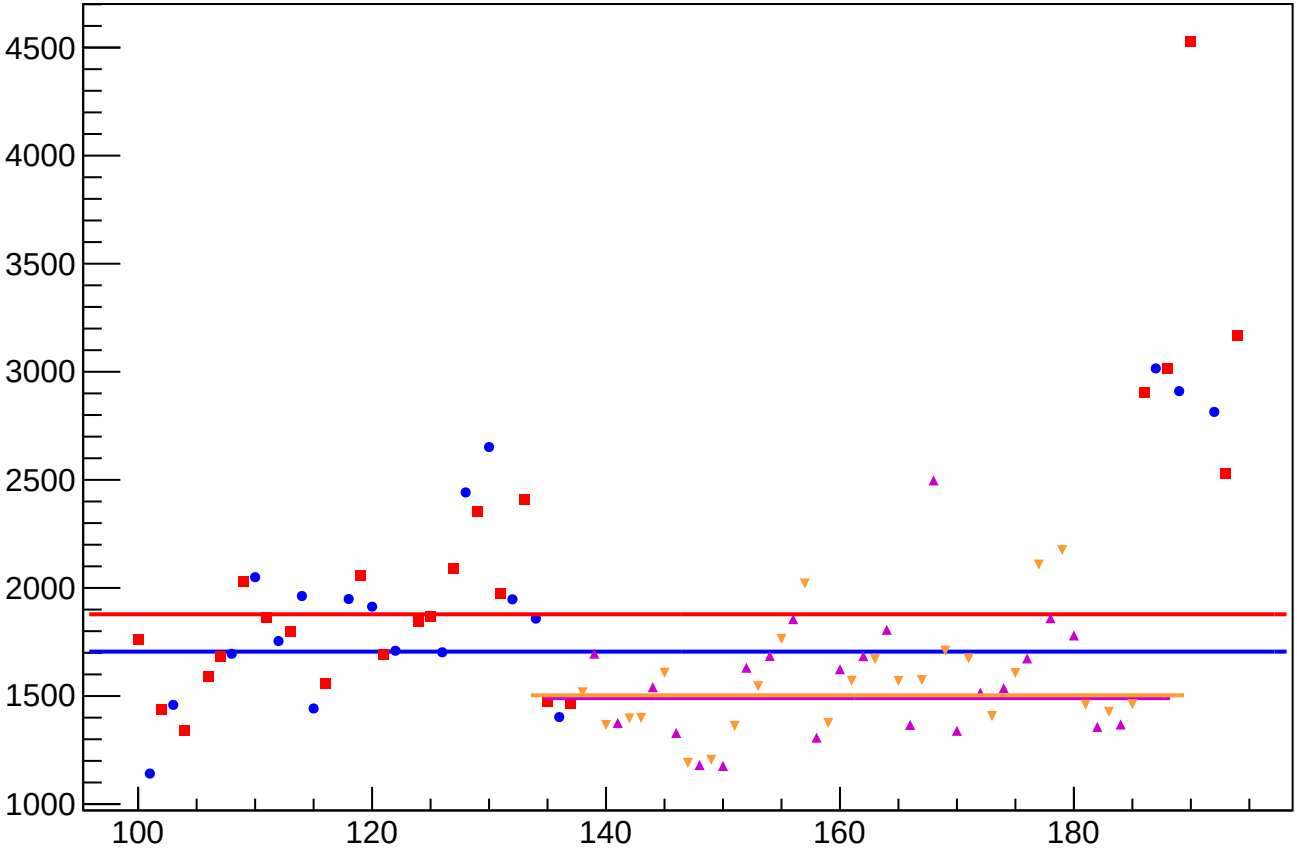
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

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

All: 403.419+/-213.475 χ^2/NDF: 83.6/90

- sign 351.645+/-303.896 χ^2/NDF: 39.3/46

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: 1878.061+/-0.419 χ^2/NDF: 1566552.9/23

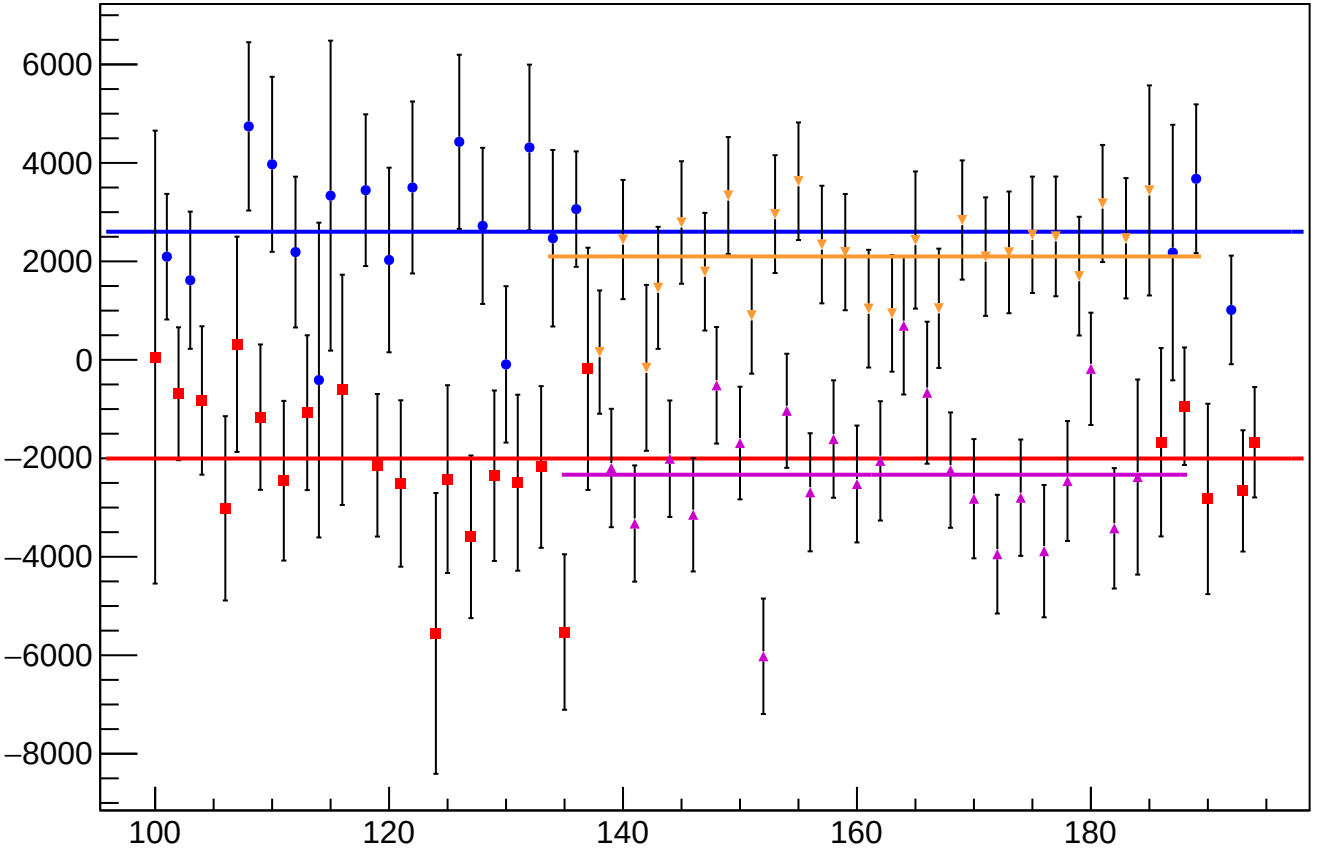
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

All: 1573.200+/-0.151 χ^2/NDF: 5436231.8/90

- sign 1592.199+/-0.215 χ^2/NDF: 3165506.2/46

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: -2003.833+/-336.504 χ^2/NDF: 13.9/23

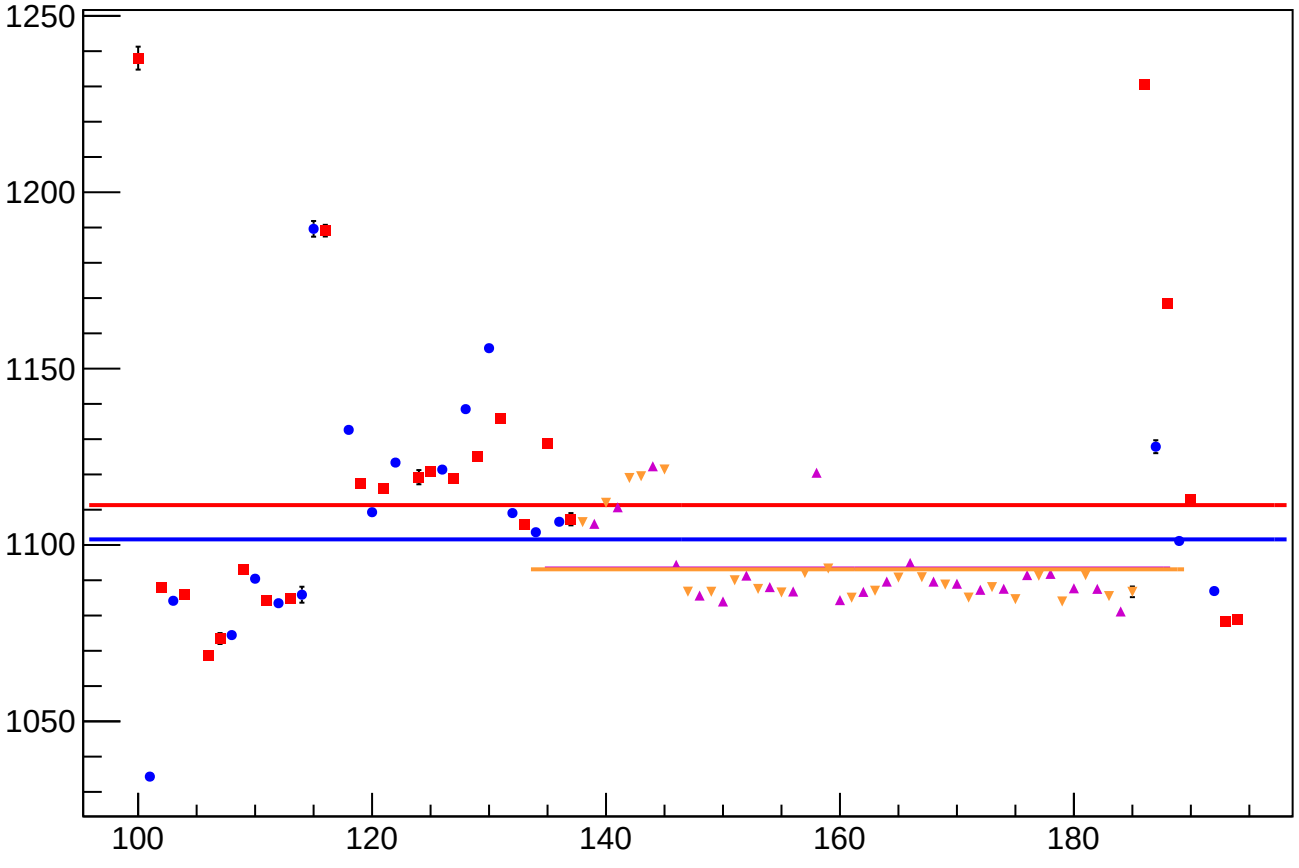
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

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

All: -5.650+/-144.705 χ^2/NDF: 309.9/90

- sign -2212.729+/-203.381 χ^2/NDF: 44.0/46

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: 1111.306+/-0.238 χ^2/NDF: 24357.9/23

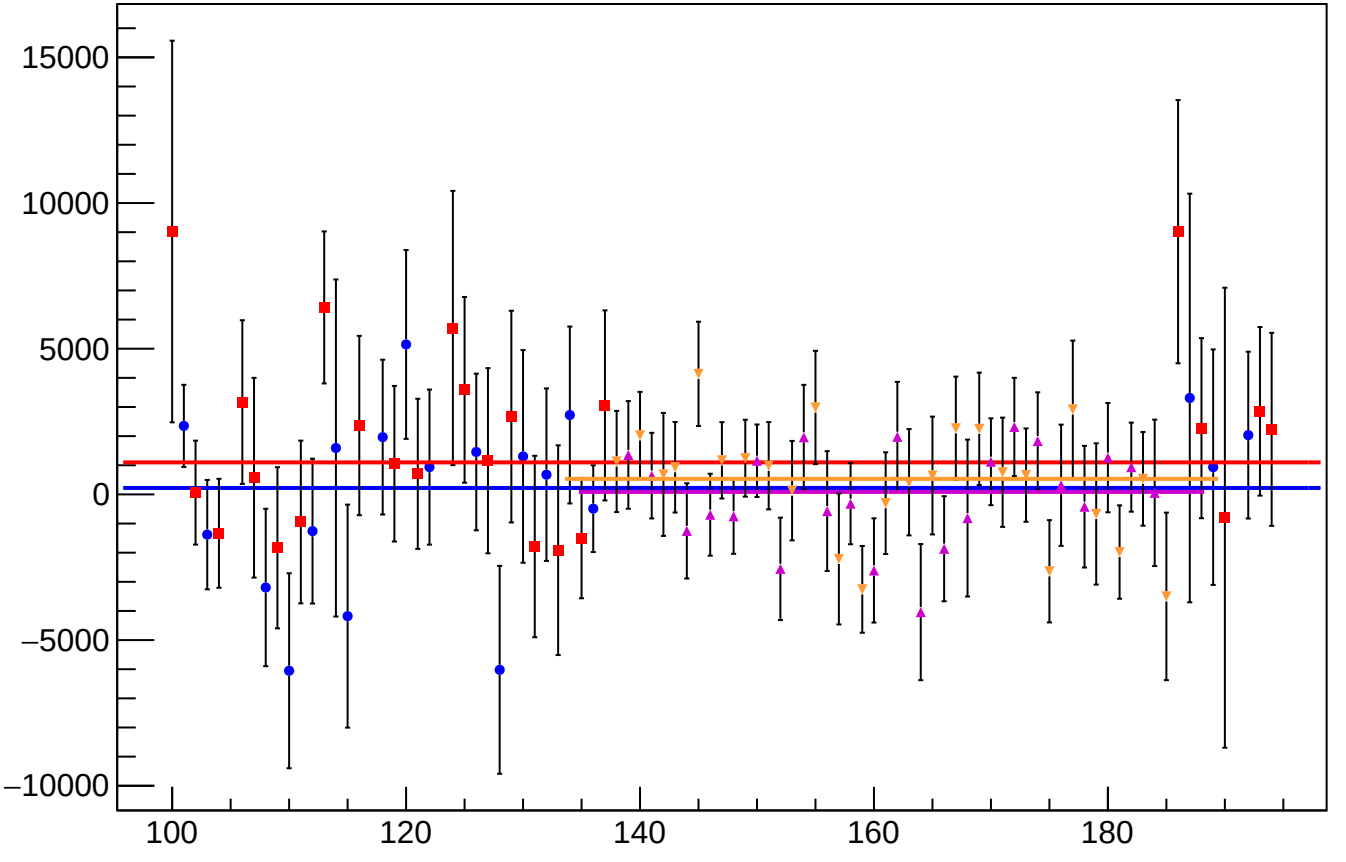
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

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

All: 1097.852+/-0.102 χ^2/NDF: 50631.3/90

- sign 1099.902+/-0.144 χ^2/NDF: 31702.7/46

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: 1098.858+/-592.850 χ^2/NDF: 19.1/23

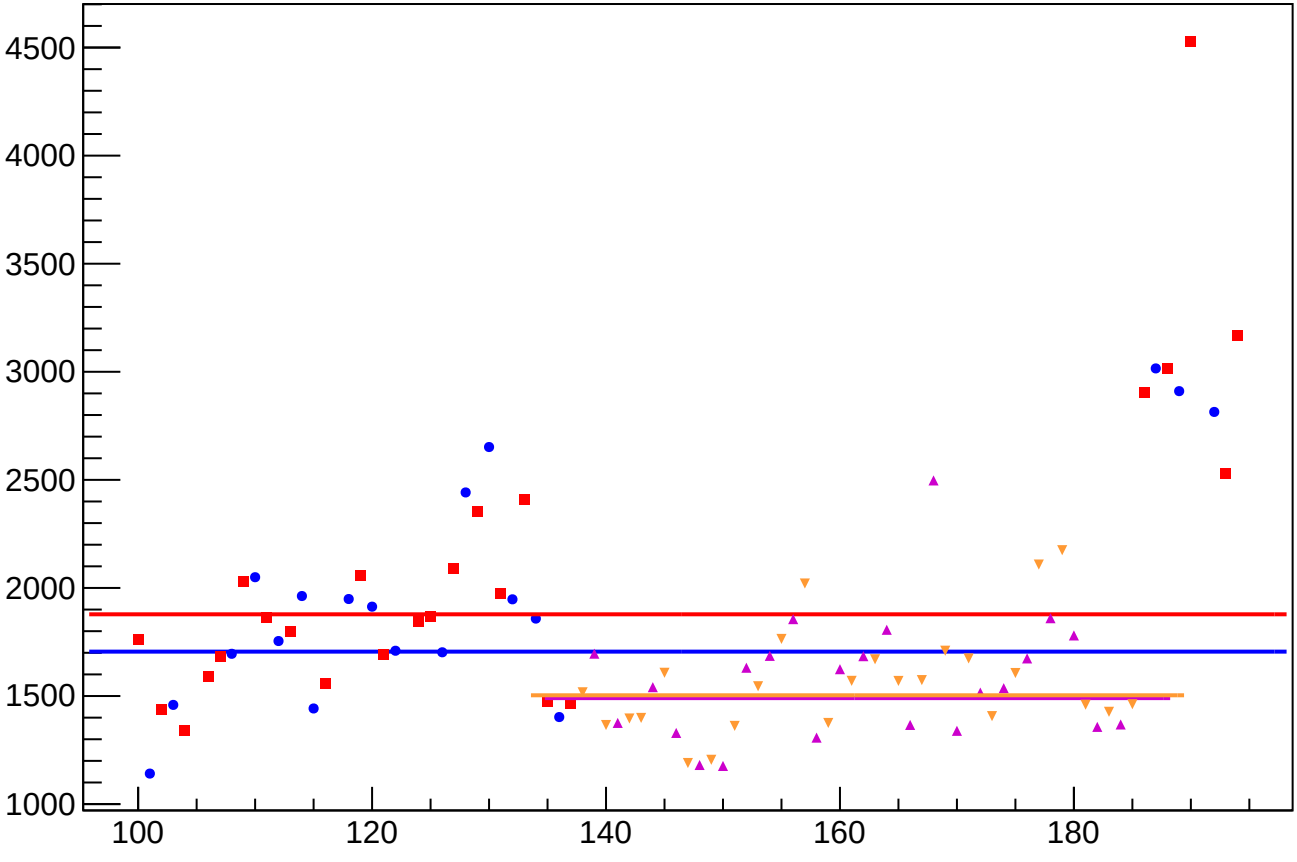
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

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

All: 403.419+/-213.475 χ^2/NDF: 83.6/90

- sign 351.645+/-303.896 χ^2/NDF: 39.3/46

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: 1878.061+/-0.419 χ^2/NDF: 1566552.9/23

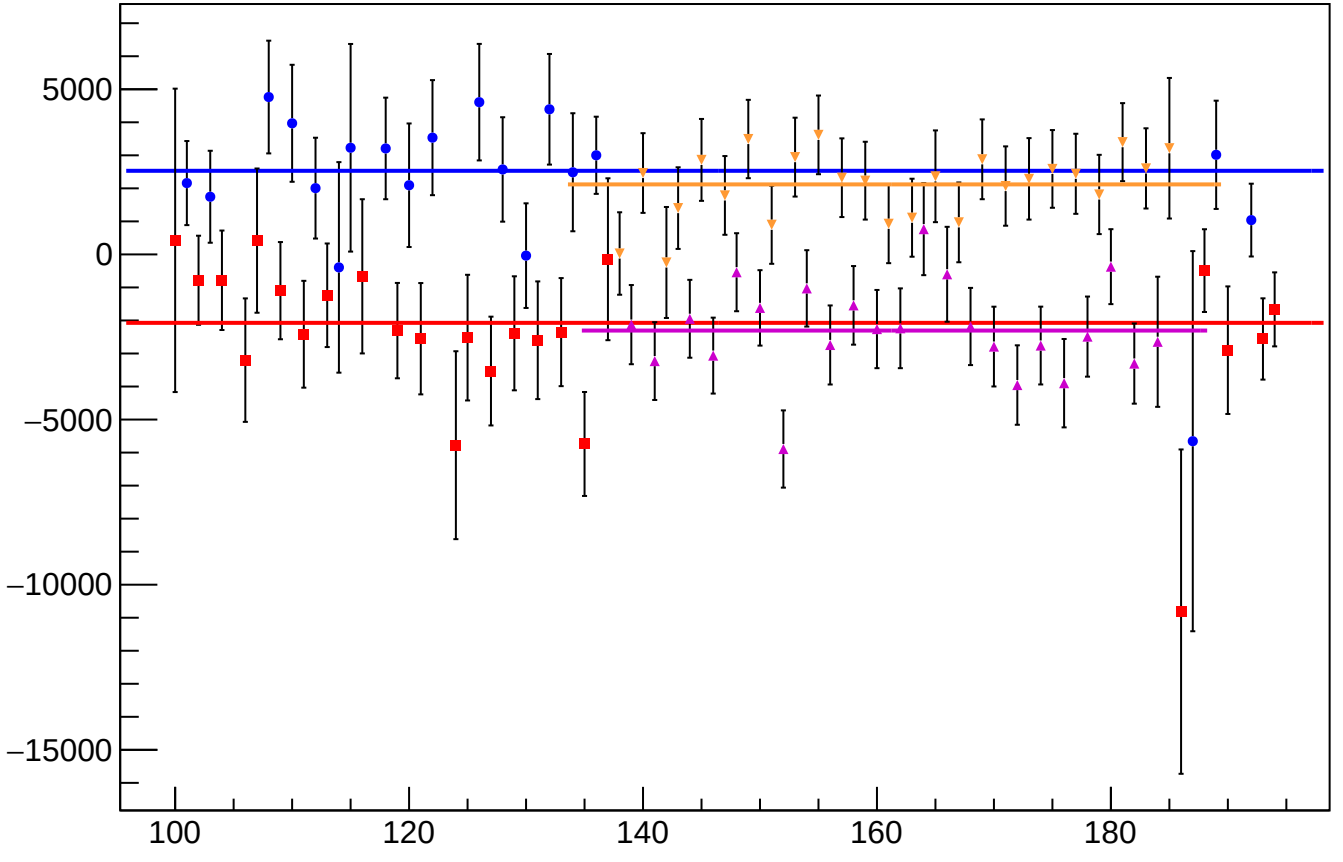
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

All: 1573.200+/-0.151 χ^2/NDF: 5436231.8/90

- sign 1592.199+/-0.215 χ^2/NDF: 3165506.2/46

overload_cor_asym_usr_mean vs Slug



Right In: 2531.466+/-372.396 χ^2/NDF: 13.7/18

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2072.017+/-341.637 χ^2/NDF: 18.8/23

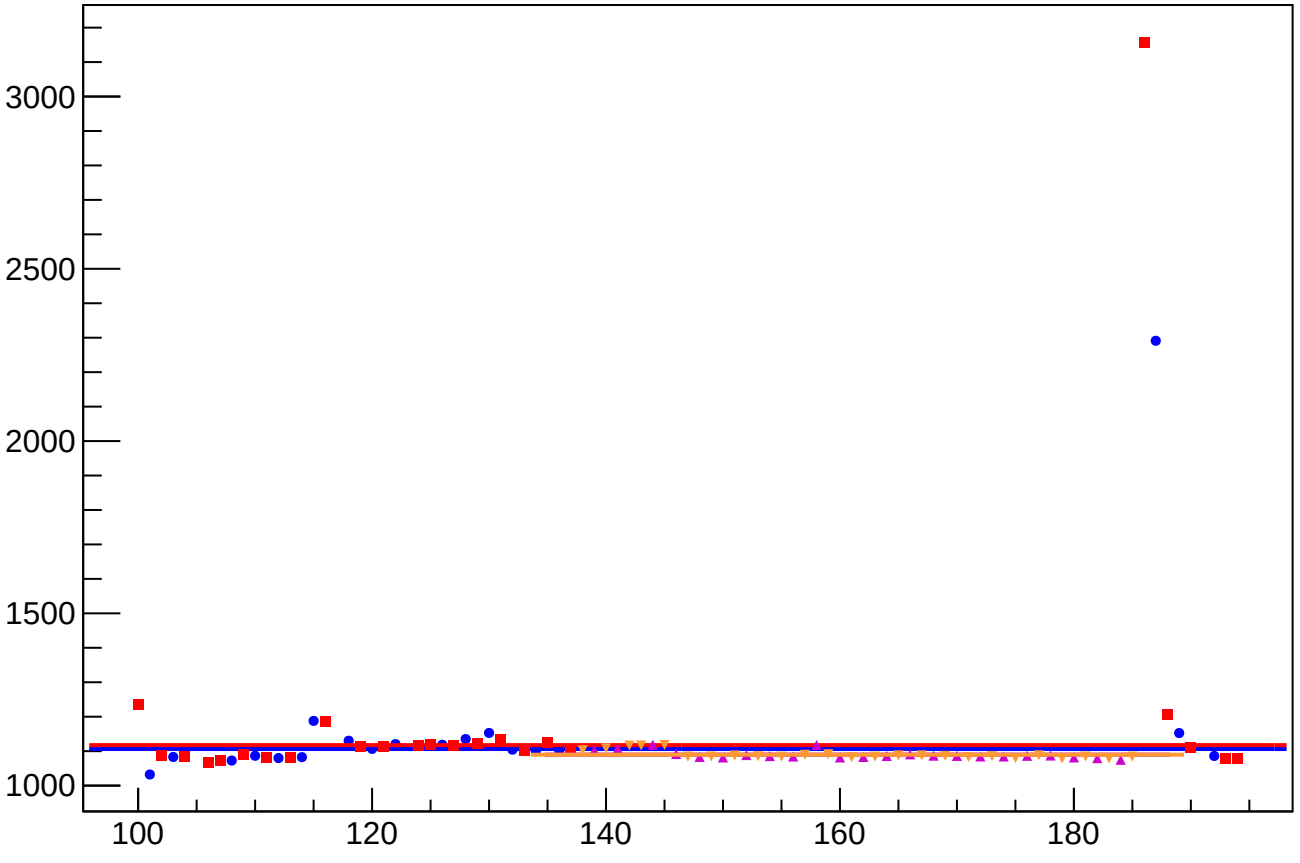
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

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

All: -10.452+/-145.038 χ^2/NDF: 314.5/90

- sign -2222.117+/-204.093 χ^2/NDF: 47.6/46

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: 1117.513+/-0.242 χ^2/NDF: 369671.2/23

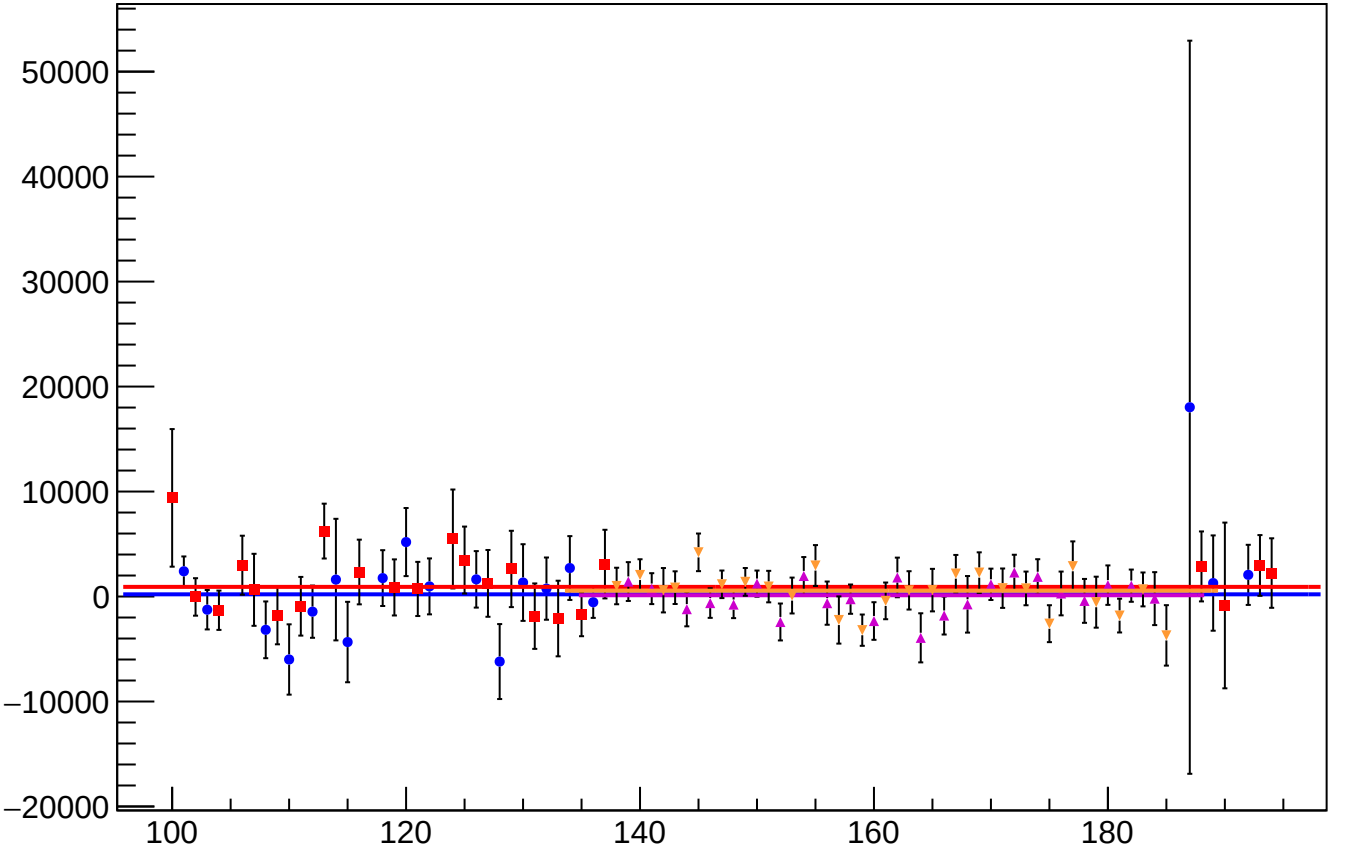
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

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

All: 1097.314+/-0.103 χ^2/NDF: 489871.2/90

\- sign 1099.796+/-0.144 χ^2/NDF: 381931.0/46

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

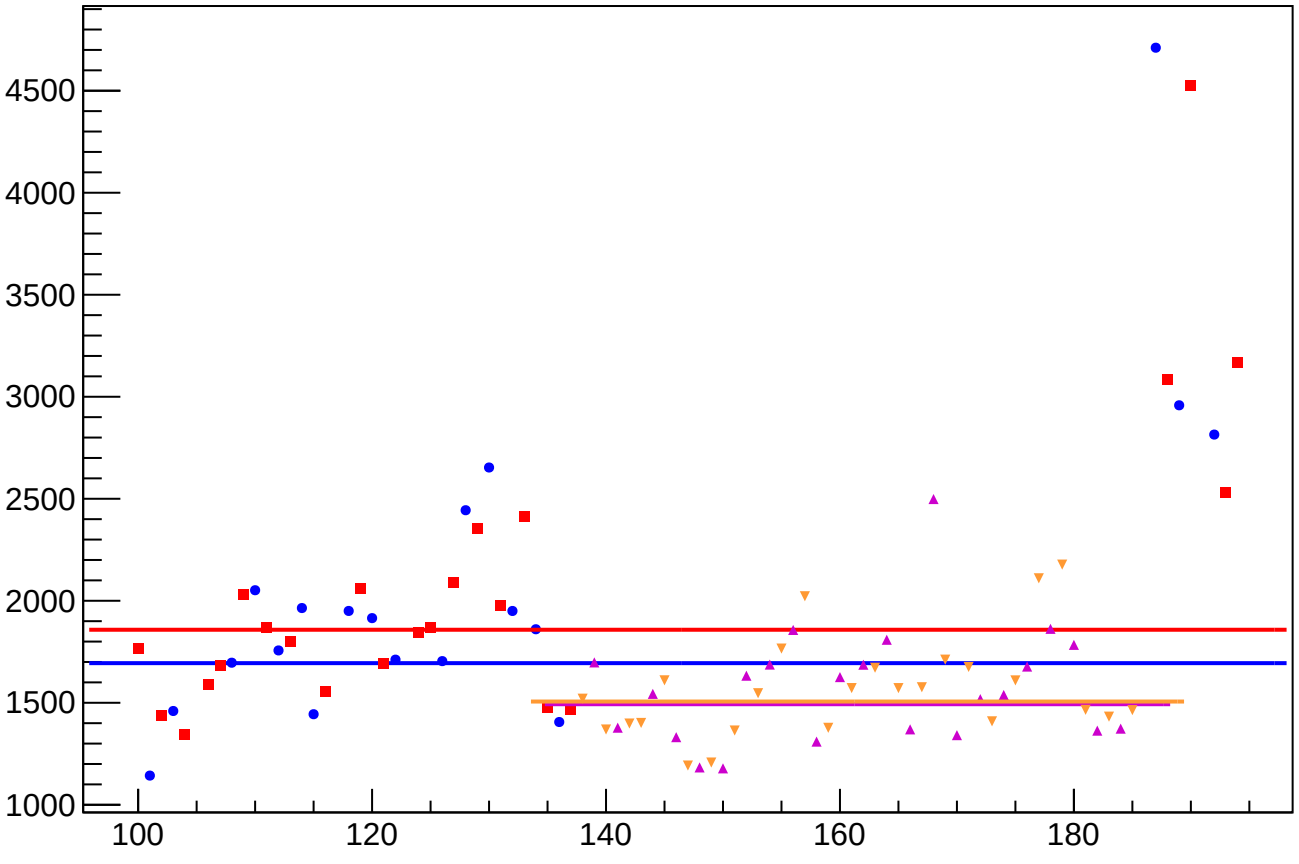
Right Out: 919.008+/-600.117 χ^2/NDF: 16.1/22

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

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

All: 398.444+/-214.271 χ^2/NDF: 79.0/89

- sign 327.777+/-305.250 χ^2/NDF: 34.5/45



Right In: 1694.282+/-0.424 χ^2/NDF: 1198763.7/18

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 1857.980+/-0.424 χ^2/NDF: 1448822.6/22

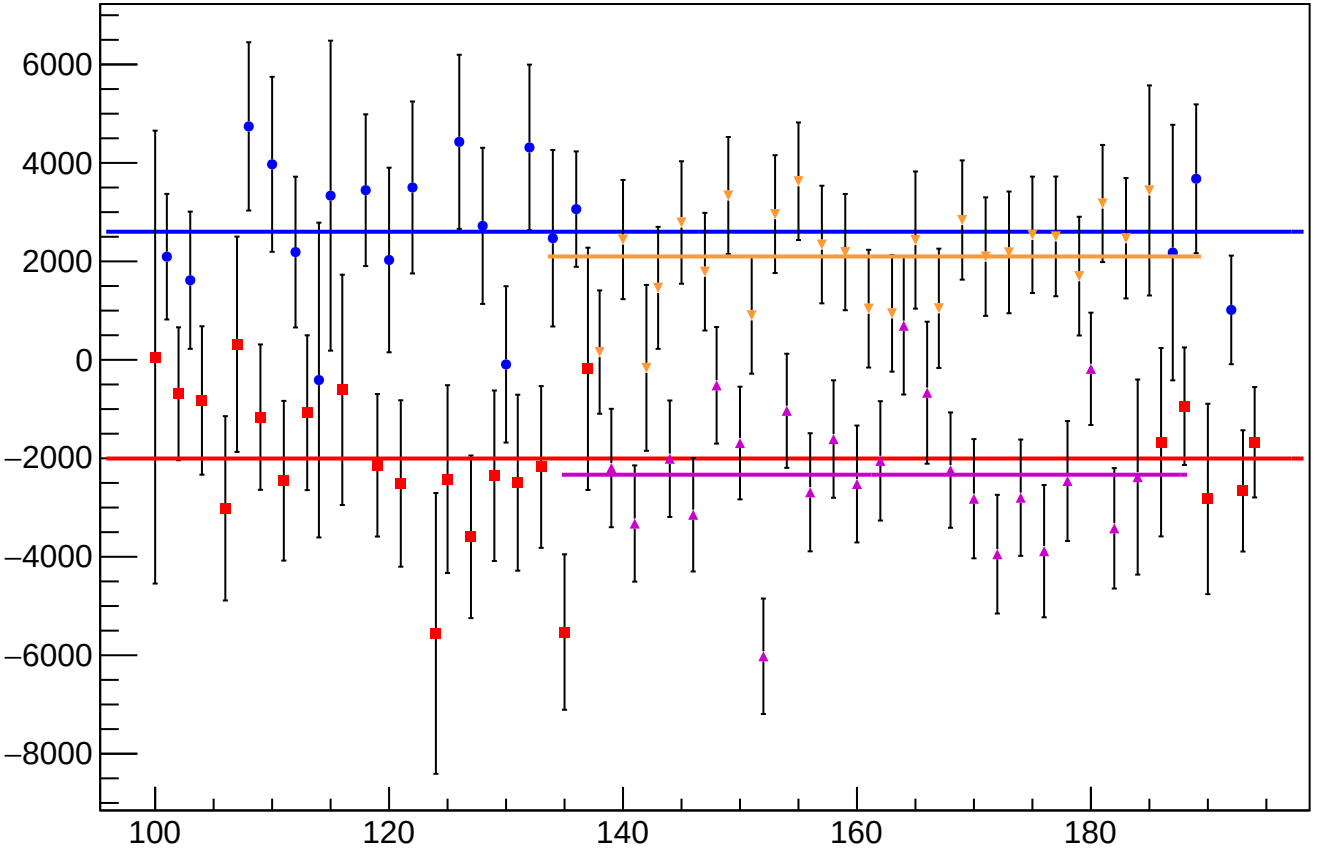
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

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

All: 1570.205+/-0.152 χ^2/NDF: 5116743.5/89

- sign 1587.412+/-0.216 χ^2/NDF: 2961623.6/45

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: -2003.833+/-336.504 χ^2/NDF: 13.9/23

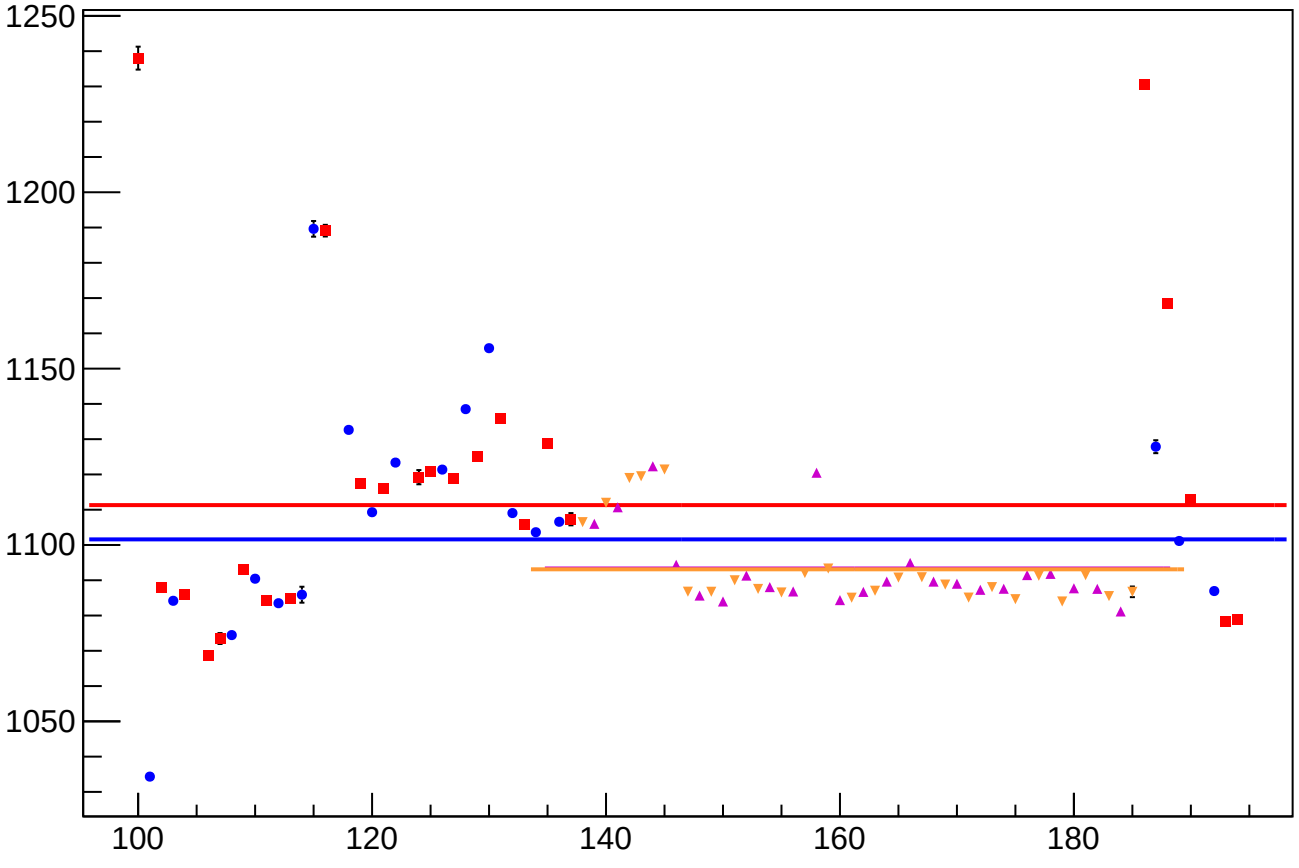
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

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

All: -5.650+/-144.705 χ^2/NDF: 309.9/90

- sign -2212.729+/-203.381 χ^2/NDF: 44.0/46

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: 1111.306+/-0.238 χ^2/NDF: 24357.9/23

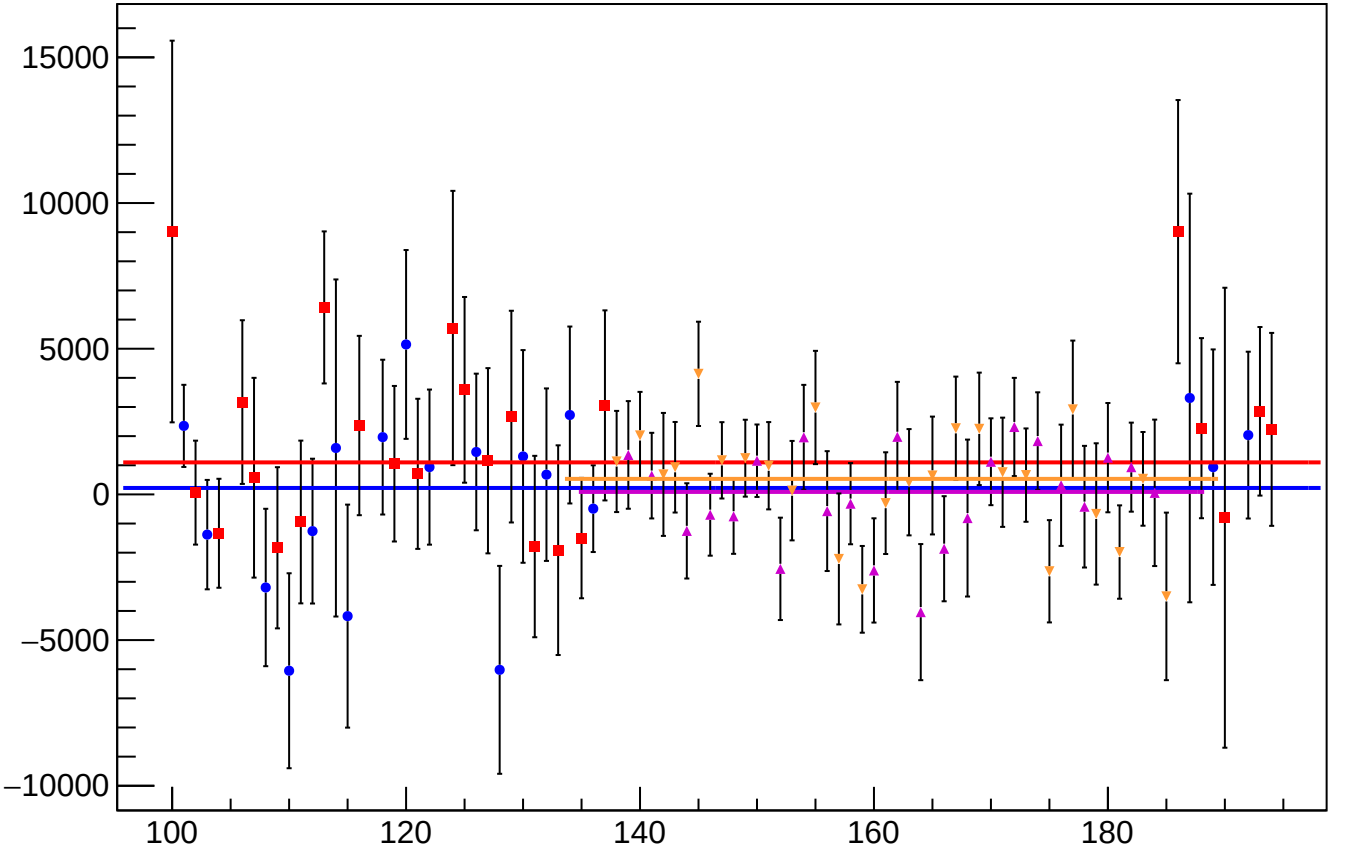
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

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

All: 1097.852+/-0.102 χ^2/NDF: 50631.3/90

- sign 1099.902+/-0.144 χ^2/NDF: 31702.7/46

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: 1098.858+/-592.850 χ^2/NDF: 19.1/23

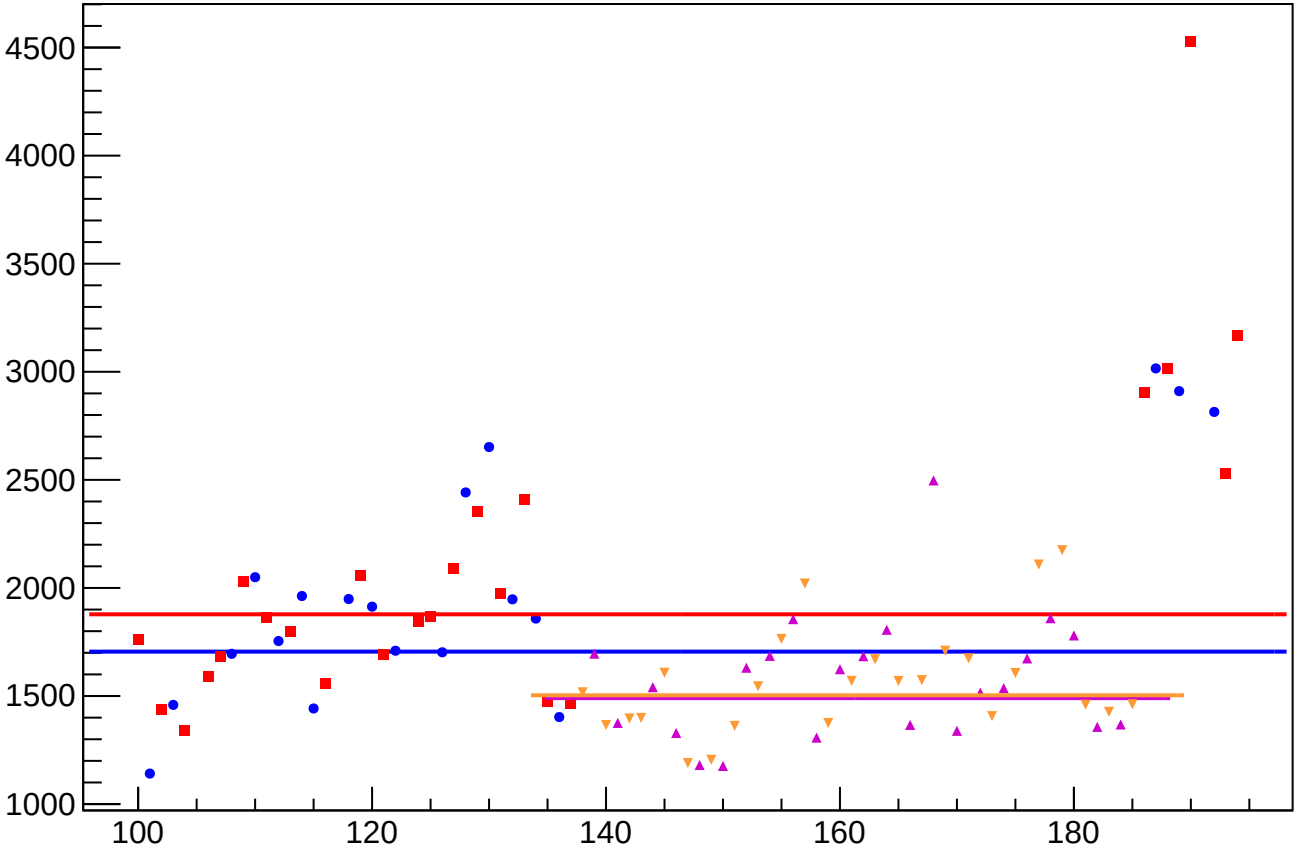
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

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

All: 403.419+/-213.475 χ^2/NDF: 83.6/90

- sign 351.645+/-303.896 χ^2/NDF: 39.3/46

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: 1878.061+/-0.419 χ^2/NDF: 1566552.9/23

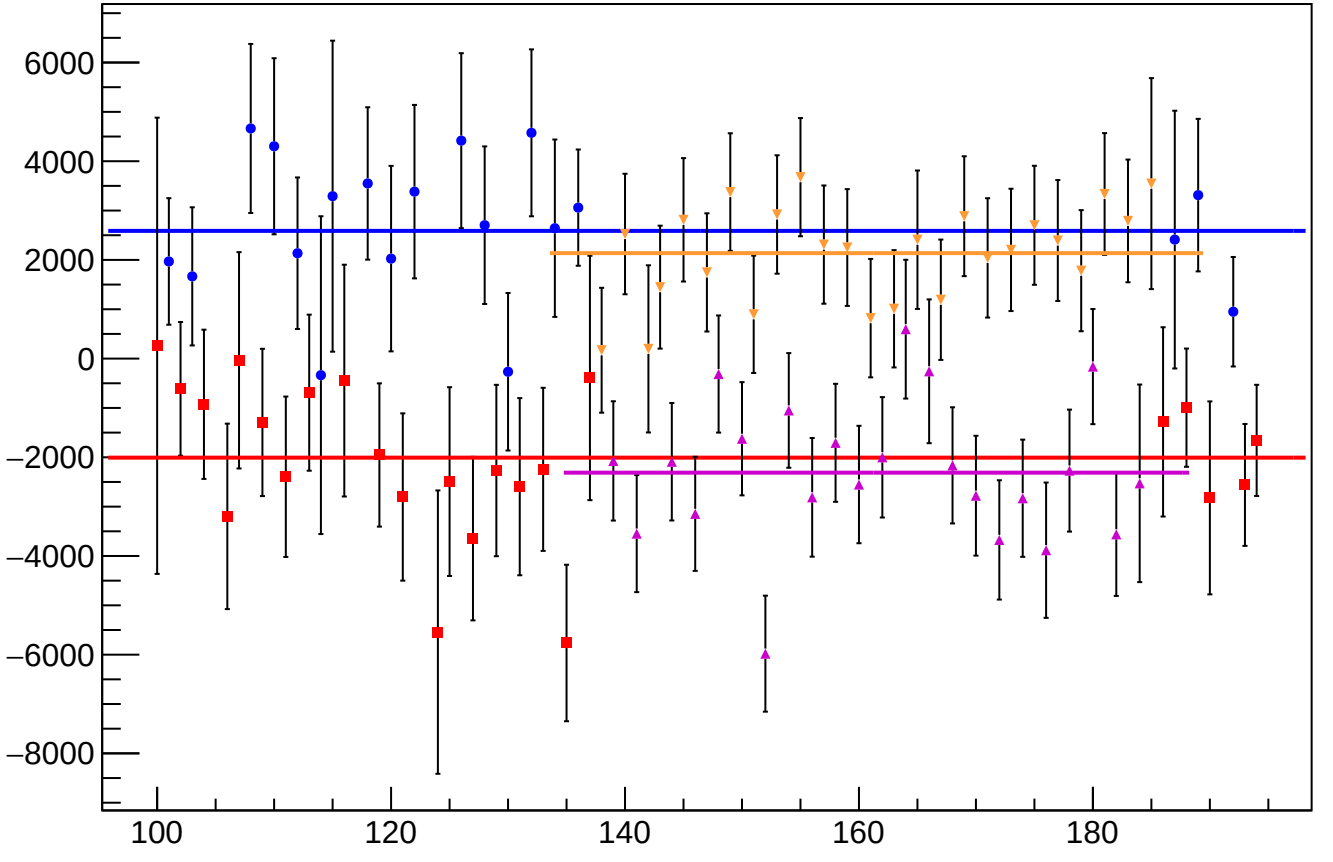
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

All: 1573.200+/-0.151 χ^2/NDF: 5436231.8/90

- sign 1592.199+/-0.215 χ^2/NDF: 3165506.2/46

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: -2007.195+/-338.013 χ^2/NDF: 14.7/23

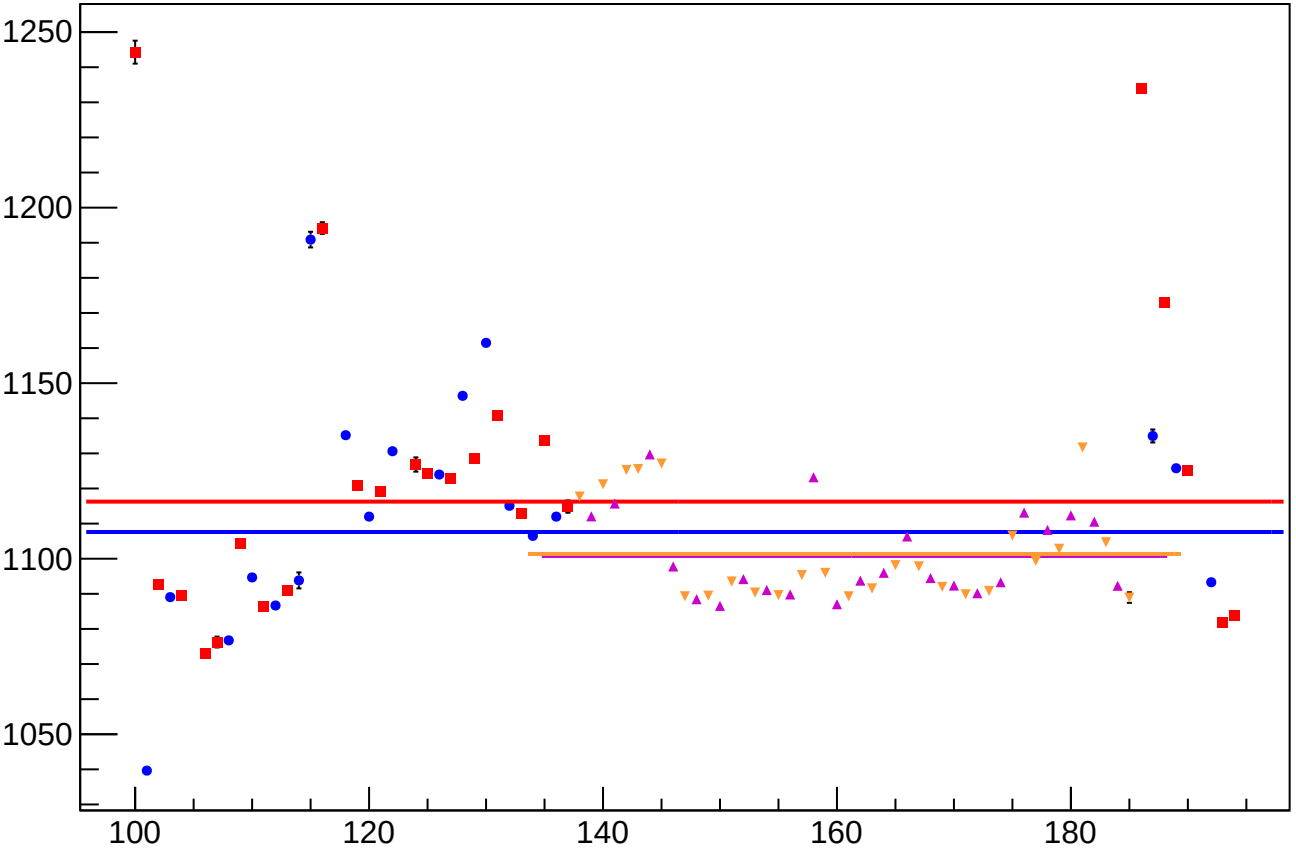
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

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

All: 9.085+/-145.640 χ^2/NDF: 309.4/90

- sign -2200.171+/-204.600 χ^2/NDF: 45.2/46

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: 1116.262+/-0.239 χ^2/NDF: 24146.9/23

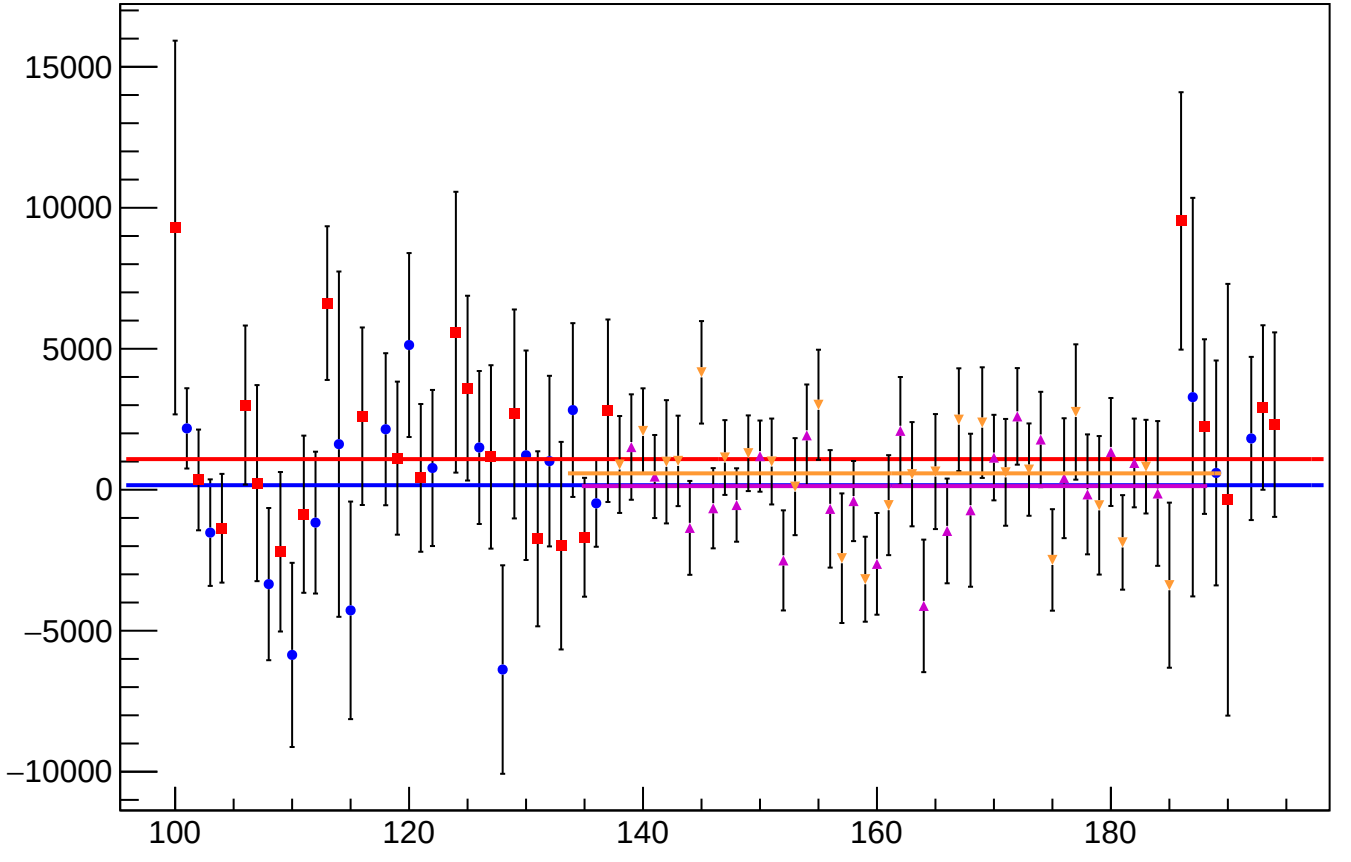
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

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

All: 1104.907+/-0.103 χ^2/NDF: 52067.7/90

- sign 1106.460+/-0.145 χ^2/NDF: 31442.8/46

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: 1086.641+/-601.576 χ^2/NDF: 19.4/23

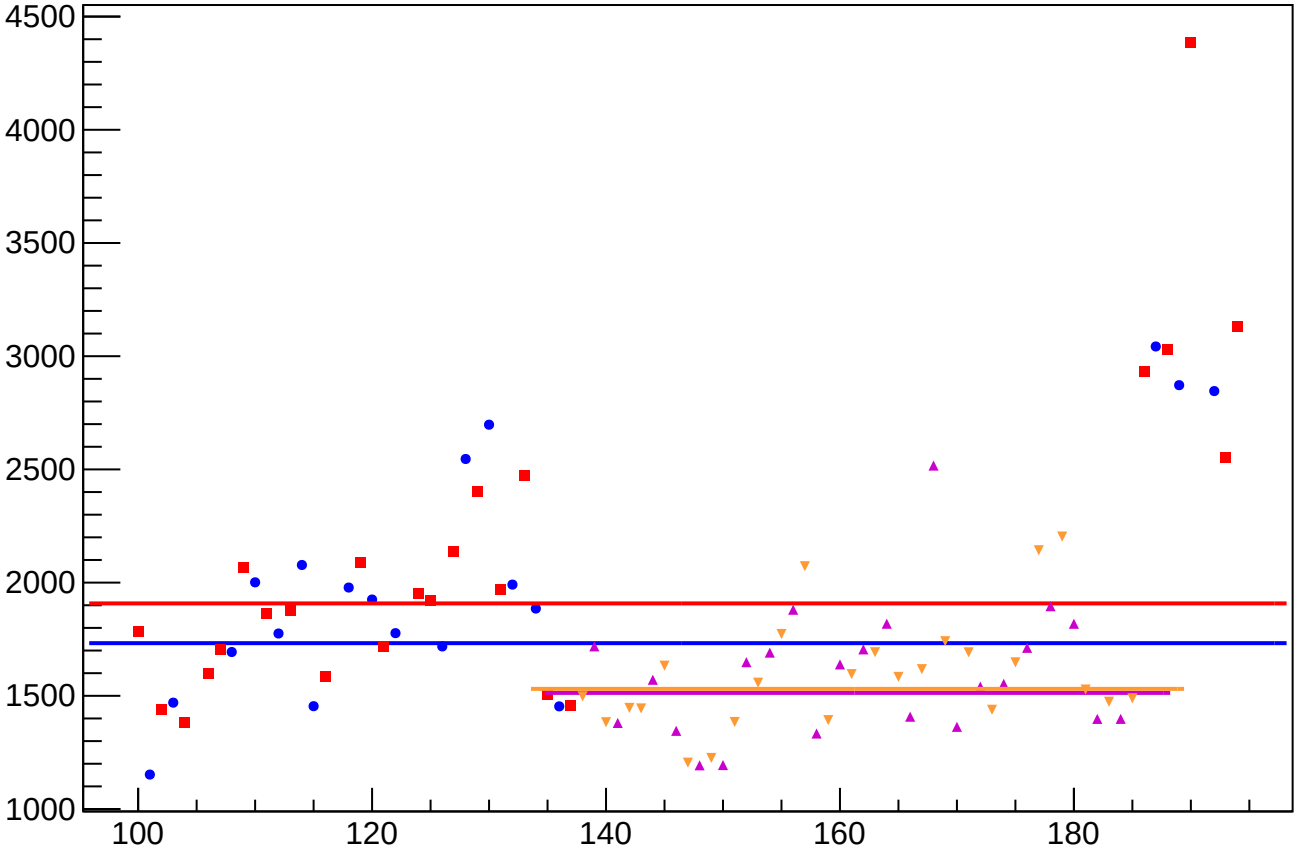
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

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

All: 427.927+/-216.871 χ^2/NDF: 82.3/90

- sign 380.446+/-308.360 χ^2/NDF: 39.1/46

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: 1908.159+/-0.425 χ^2/NDF: 1518523.1/23

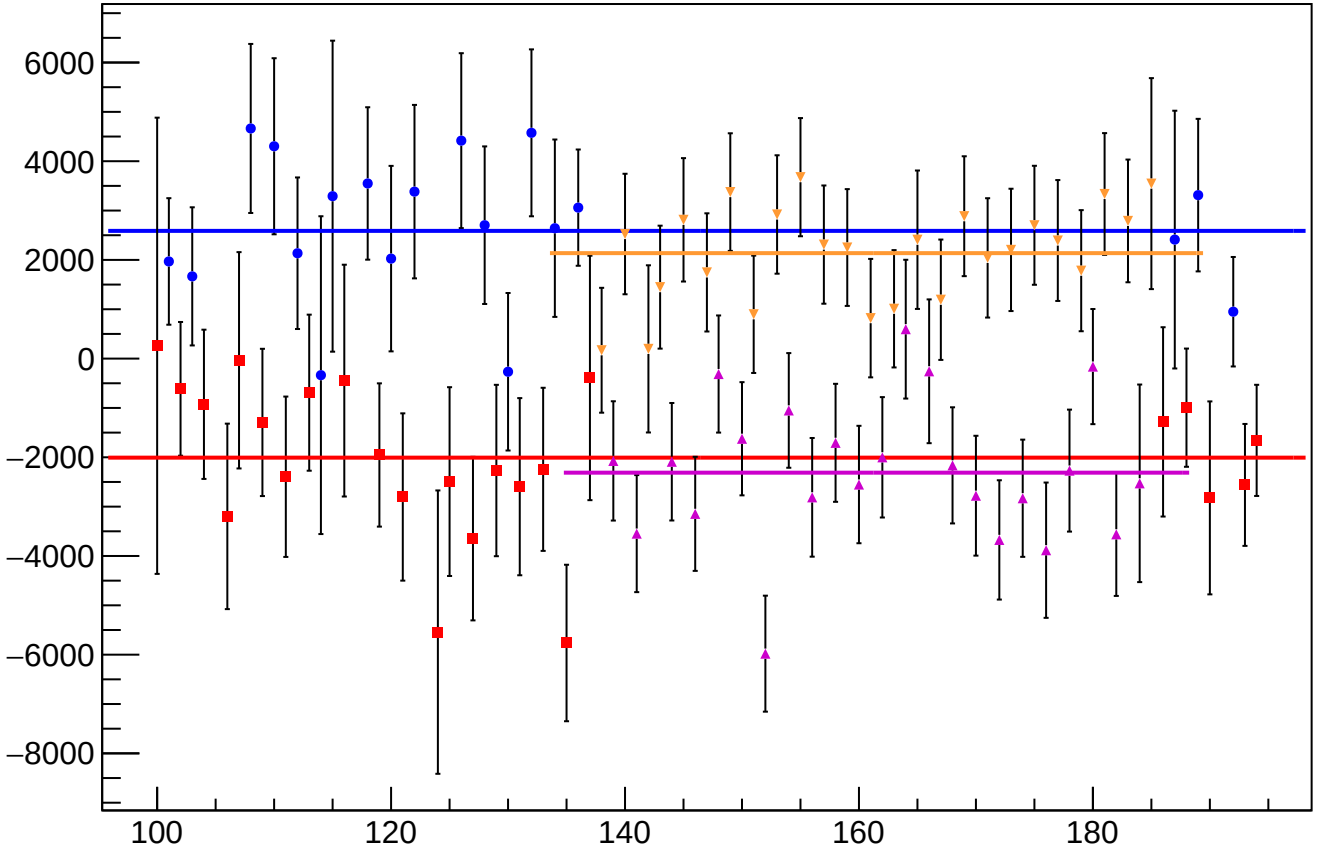
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

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

All: 1599.299+/-0.153 χ^2/NDF: 5357960.7/90

- sign 1616.787+/-0.218 χ^2/NDF: 3111977.8/46

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: -2007.197+/-338.013 χ^2/NDF: 14.7/23

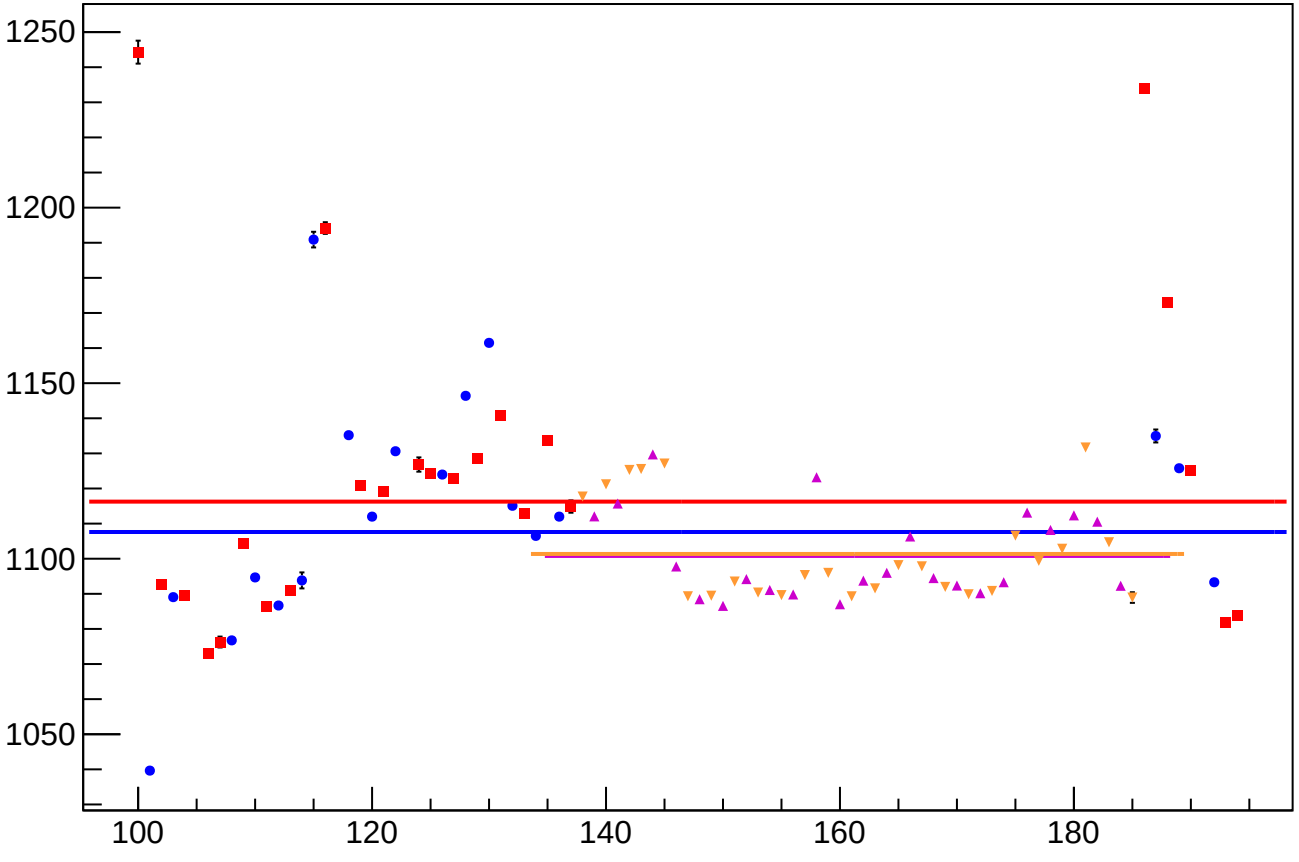
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

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

All: 9.084+/-145.640 χ^2/NDF: 309.4/90

- sign -2200.172+/-204.600 χ^2/NDF: 45.2/46

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: 1116.262+/-0.239 χ^2/NDF: 24146.9/23

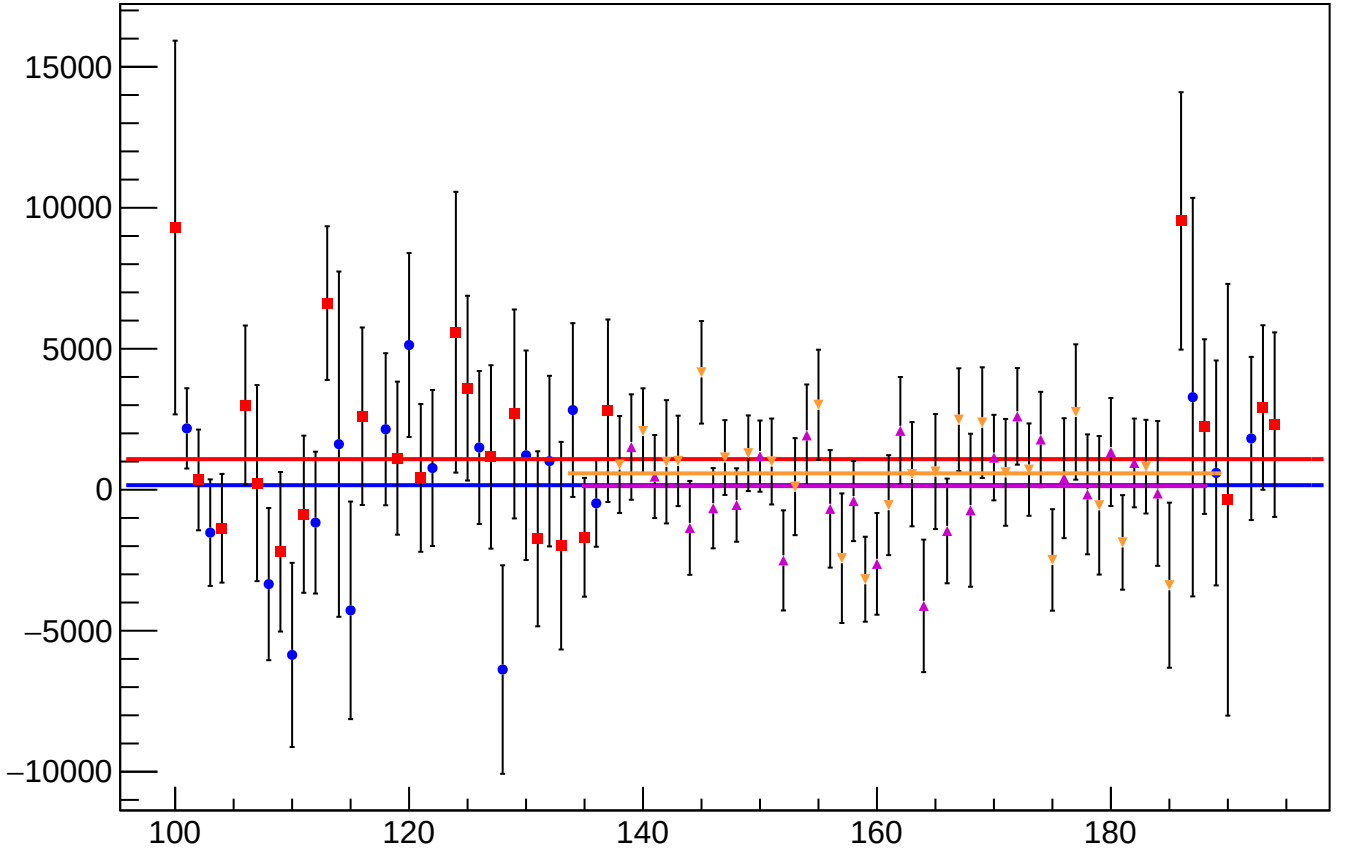
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

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

All: 1104.907+/-0.103 χ^2/NDF: 52067.5/90

- sign 1106.460+/-0.145 χ^2/NDF: 31442.7/46

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: 1086.643+/-601.575 χ^2/NDF: 19.4/23

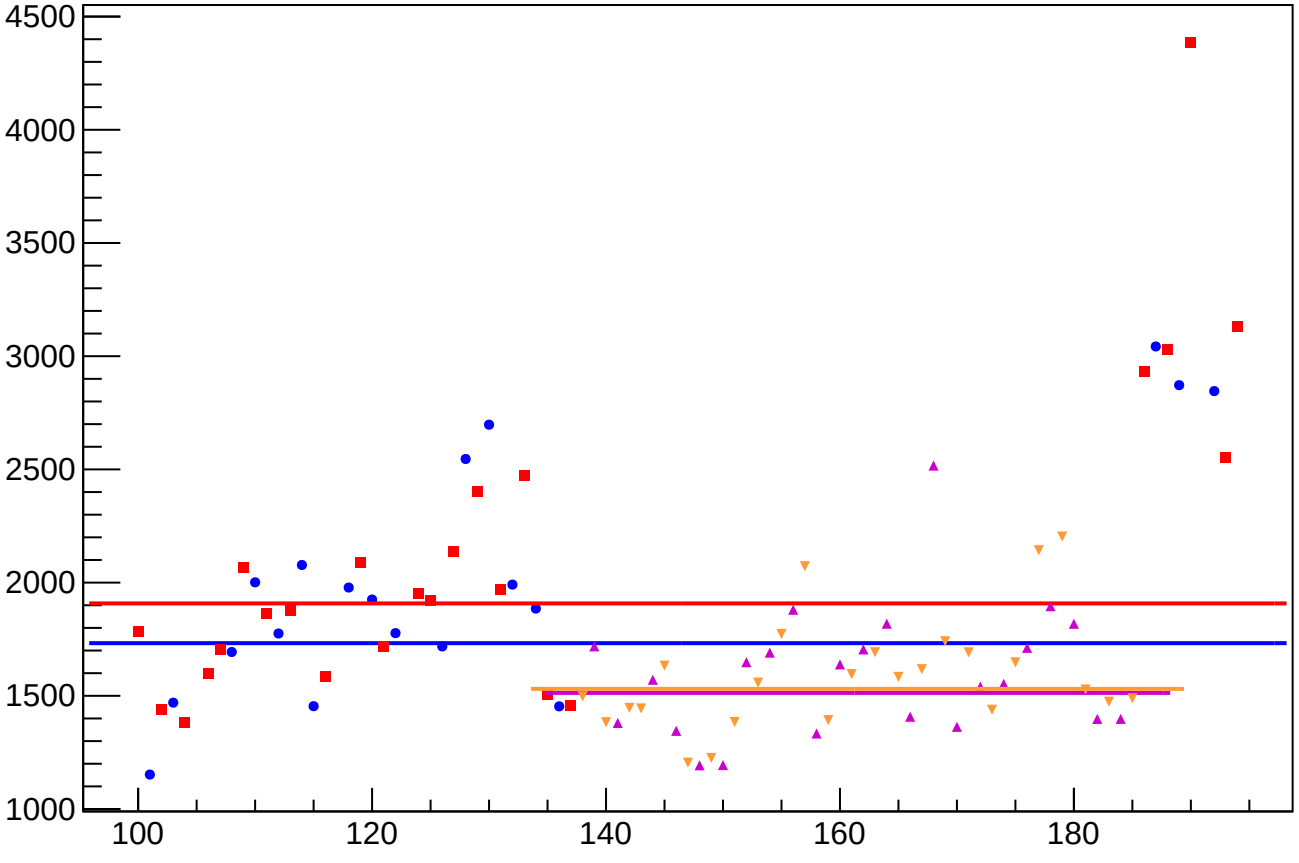
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

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

All: 427.926+/-216.871 χ^2/NDF: 82.3/90

\- sign 380.448+/-308.361 χ^2/NDF: 39.1/46

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

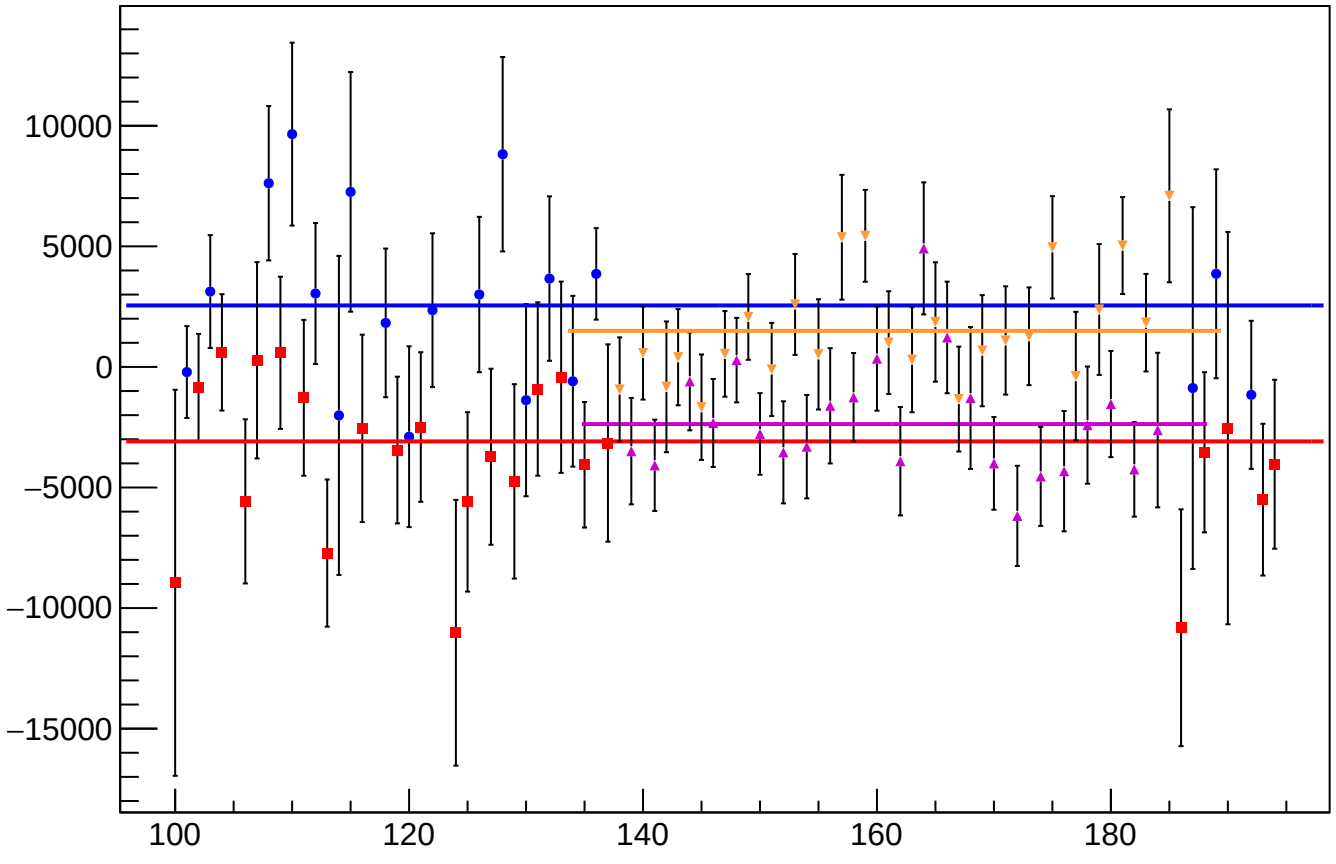
Right Out: 1908.157+/-0.425 χ^2/NDF: 1518506.4/23

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

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

All: 1599.302+/-0.153 χ^2/NDF: 5357912.2/90

\- sign 1616.790+/-0.218 χ^2/NDF: 3111949.5/46



Right In: 2549.767+/-721.376 χ^2/NDF: 18.3/18

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3088.074+/-700.970 χ^2/NDF: 16.0/23

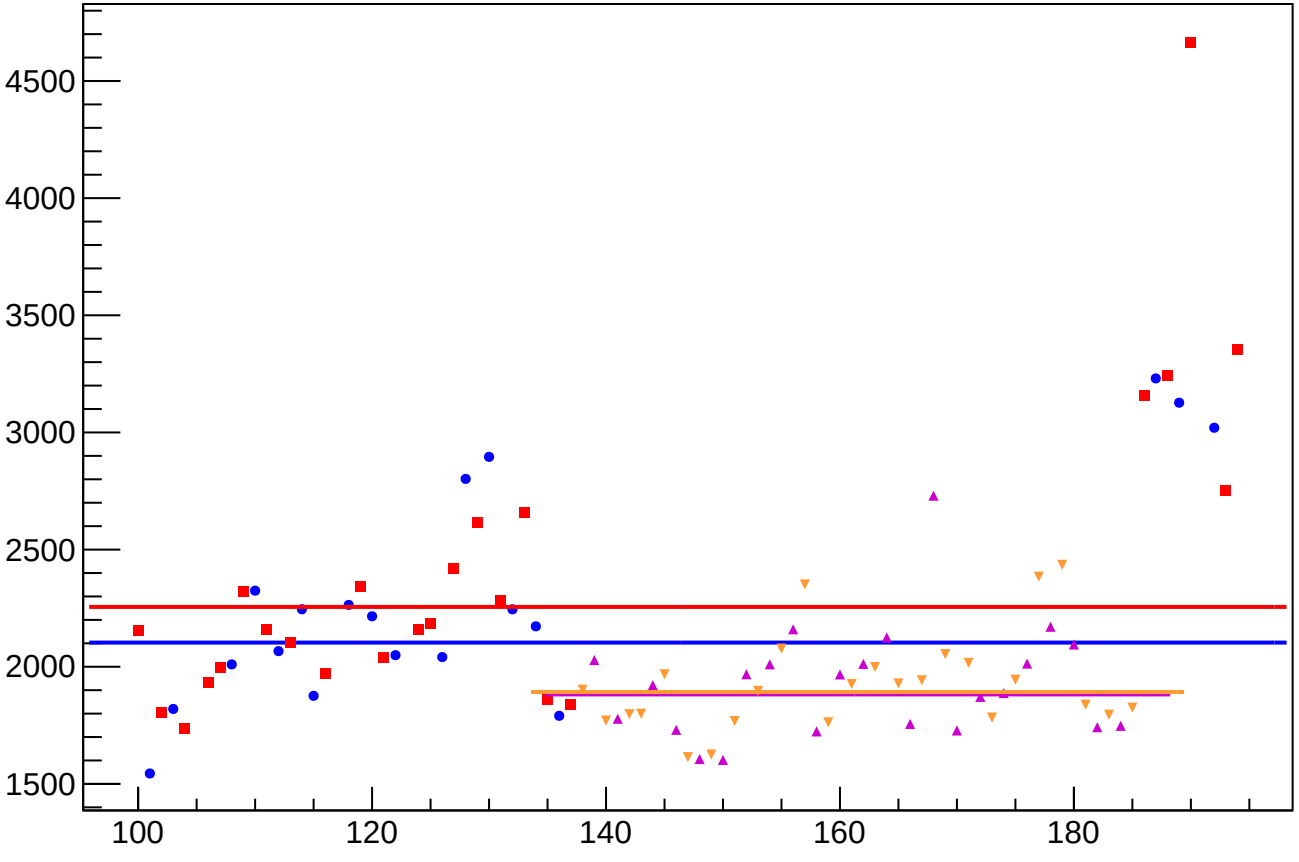
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

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

All: -382.476+/-263.685 χ^2/NDF: 152.1/90

- sign -2575.409+/-374.455 χ^2/NDF: 40.4/46

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

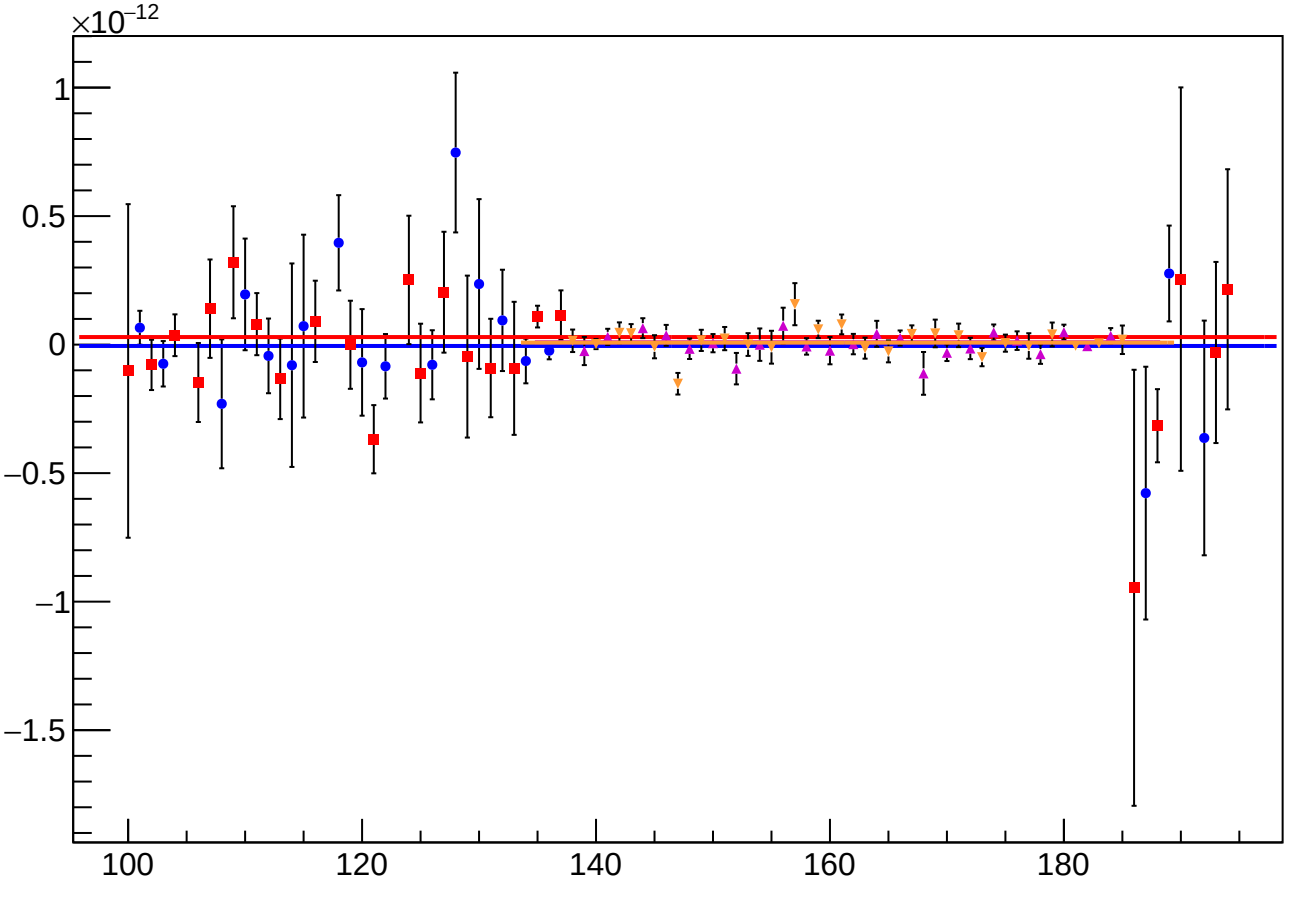
Right Out: 2255.341+/-0.496 χ^2/NDF: 1005630.9/23

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

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

All: 1968.086+/-0.186 χ^2/NDF: 3157785.4/90

- sign 1988.461+/-0.265 χ^2/NDF: 1873965.8/46



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/23

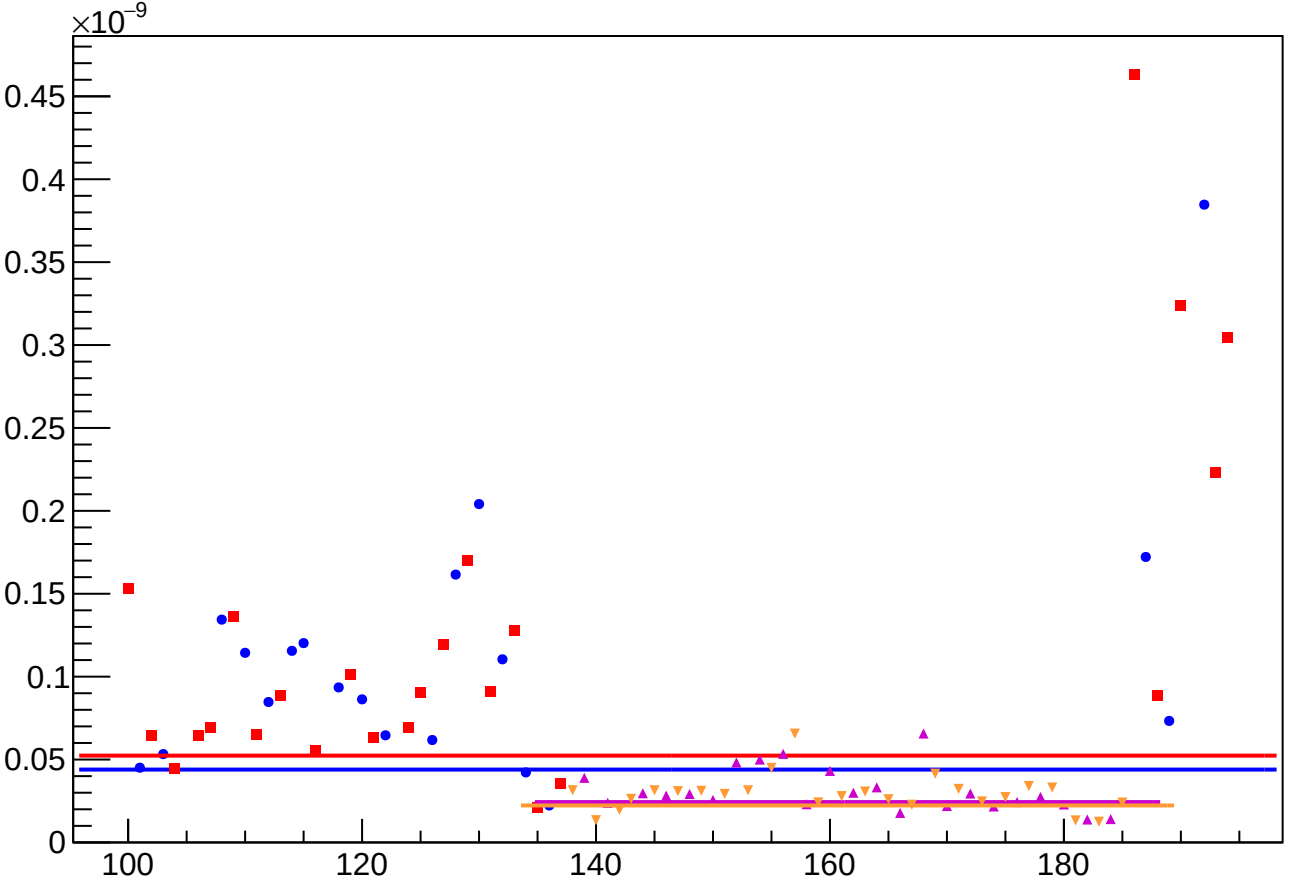
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/43

All: 0.000+/-0.000 χ^2/NDF: 102.6/90

- sign 0.000+/-0.000 χ^2/NDF: 49.1/46

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: 4564748.8/23

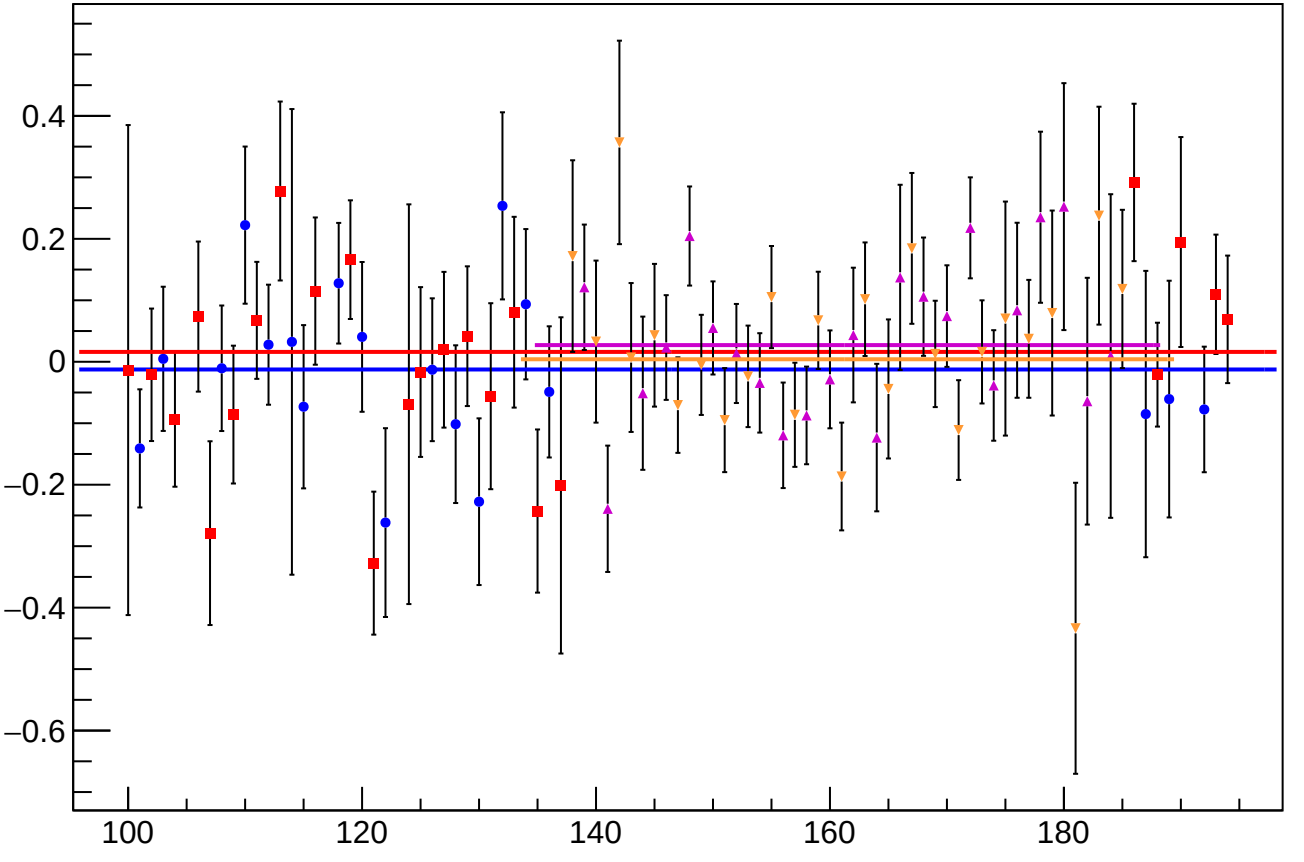
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

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

All: 0.000+/-0.000 χ^2/NDF: 19278254.4/90

- sign 0.000+/-0.000 χ^2/NDF: 9774833.8/46

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

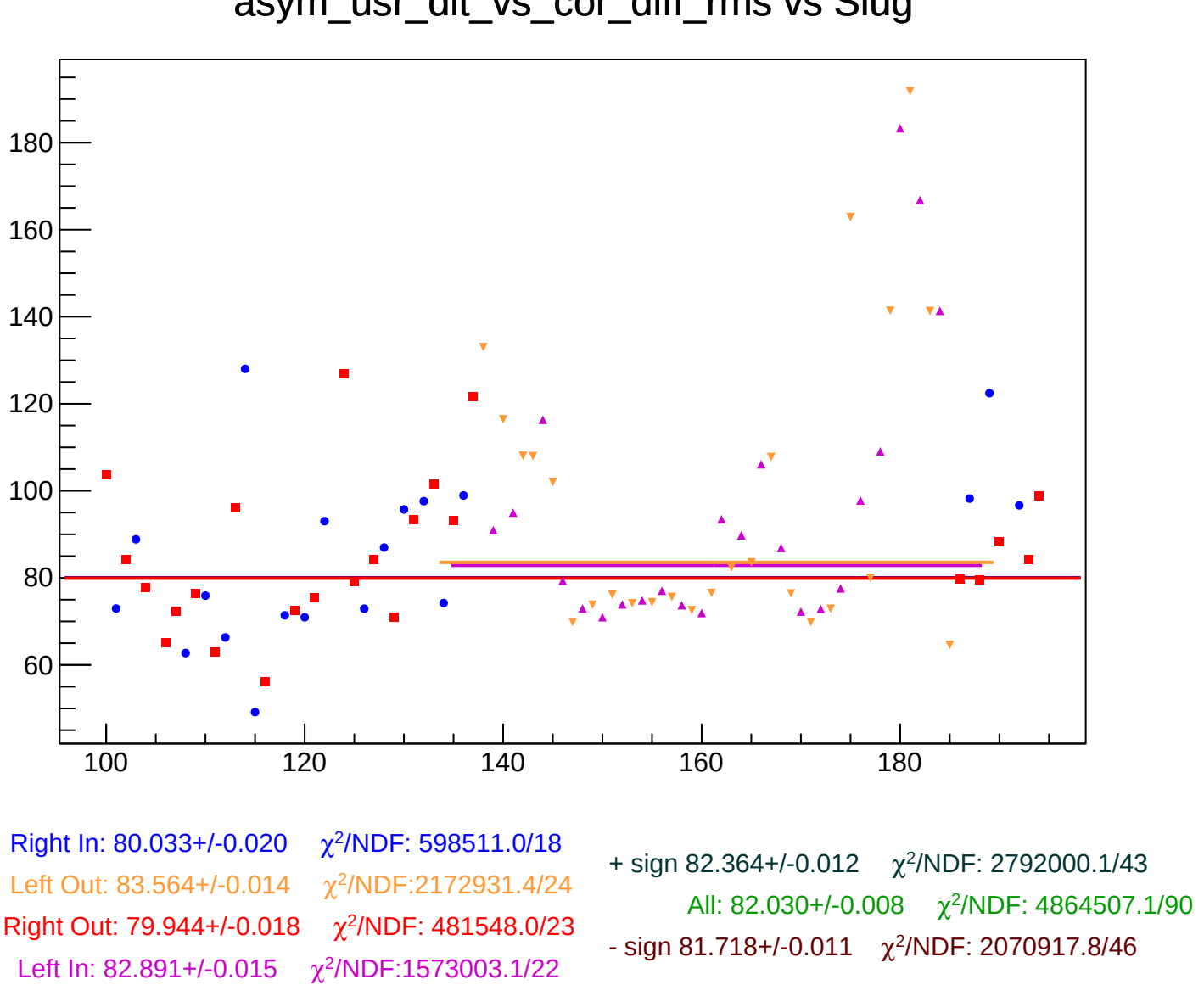
Right Out: 0.016+/-0.025 χ^2/NDF: 33.5/23

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

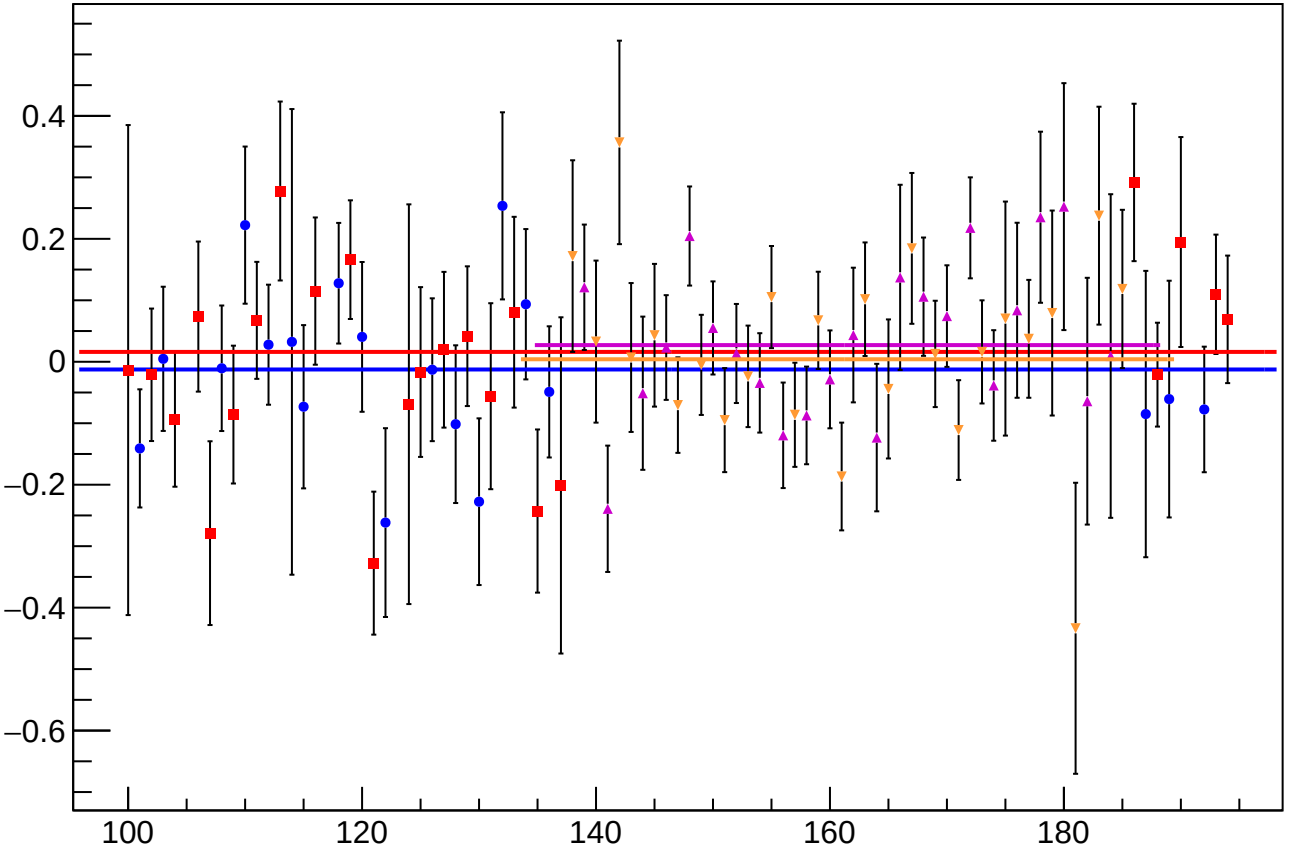
\+ sign -0.002+/-0.016 χ^2/NDF: 46.3/43

All: 0.011+/-0.011 χ^2/NDF: 113.0/90

\- sign 0.023+/-0.016 χ^2/NDF: 65.6/46


asym_usr_dit_vs_cor_diff_rms vs Slug
180
160
140
120
100
80
60
100
120
140
160
180
Right In: 80.033+/-0.020 χ²/NDF: 598511.0/18
Left Out: 83.564+/-0.014 χ²/NDF:2172931.4/24
Right Out: 79.944+/-0.018 χ²/NDF: 481548.0/23
Left In: 82.891+/-0.015 χ²/NDF:1573003.1/22
+ sign 82.364+/-0.012 χ²/NDF: 2792000.1/43
All: 82.030+/-0.008 χ²/NDF: 4864507.1/90
- sign 81.718+/-0.011 χ²/NDF: 2070917.8/46

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: 0.016+/-0.025 χ^2/NDF: 33.5/23

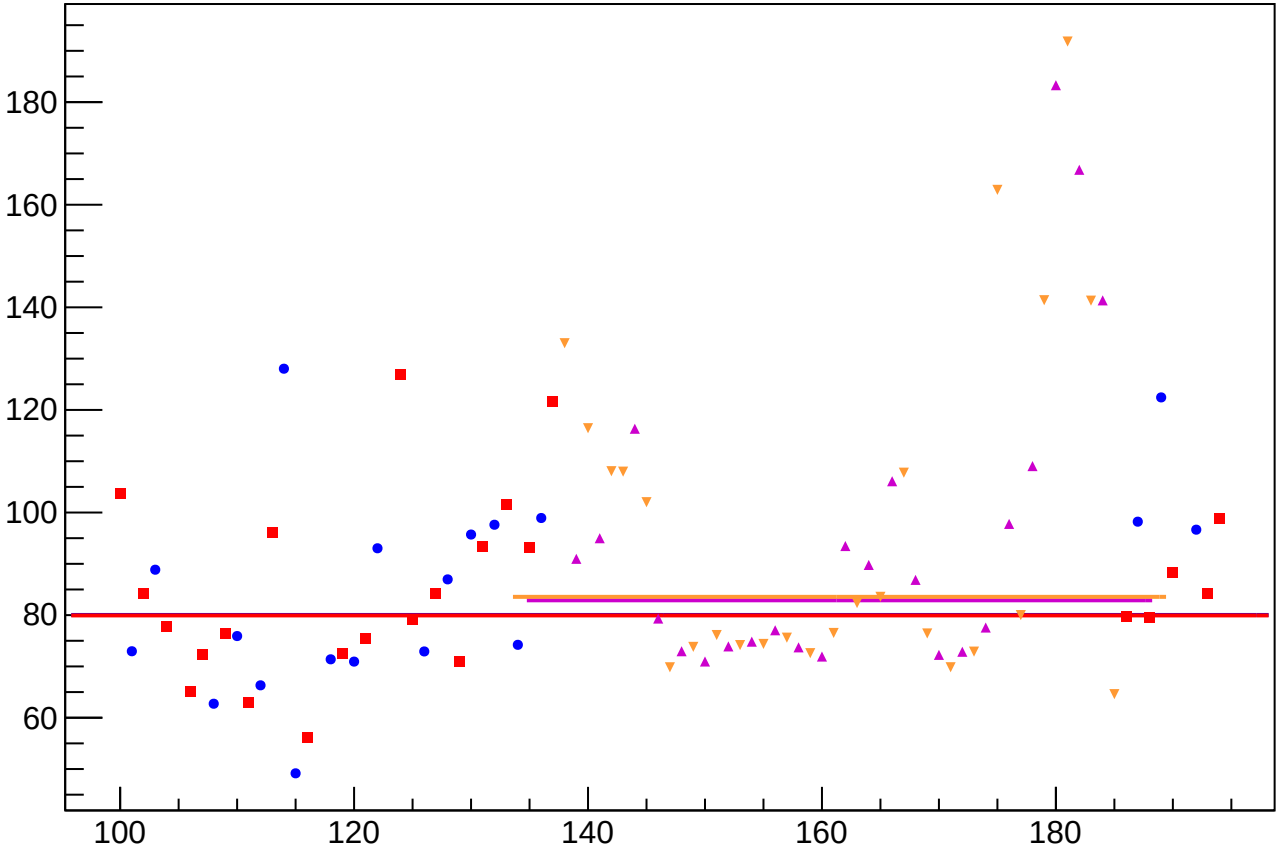
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

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

All: 0.011+/-0.011 χ^2/NDF: 113.0/90

\- sign 0.023+/-0.016 χ^2/NDF: 65.6/46

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: 79.944+/-0.018 χ^2/NDF: 481548.0/23

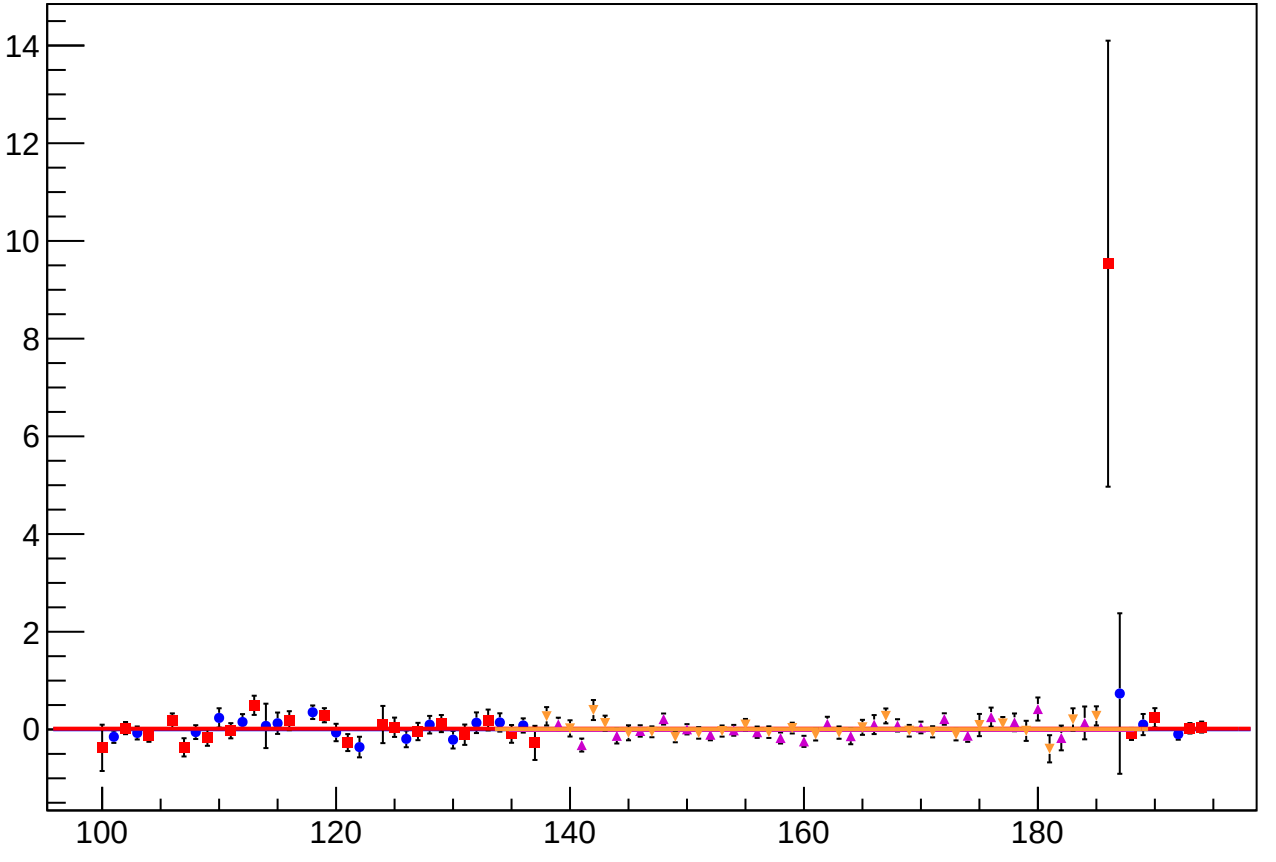
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

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

All: 82.030+/-0.008 χ^2/NDF: 4864507.1/90

- sign 81.718+/-0.011 χ^2/NDF: 2070917.8/46

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: 0.016+/-0.034 χ^2/NDF: 30.3/23

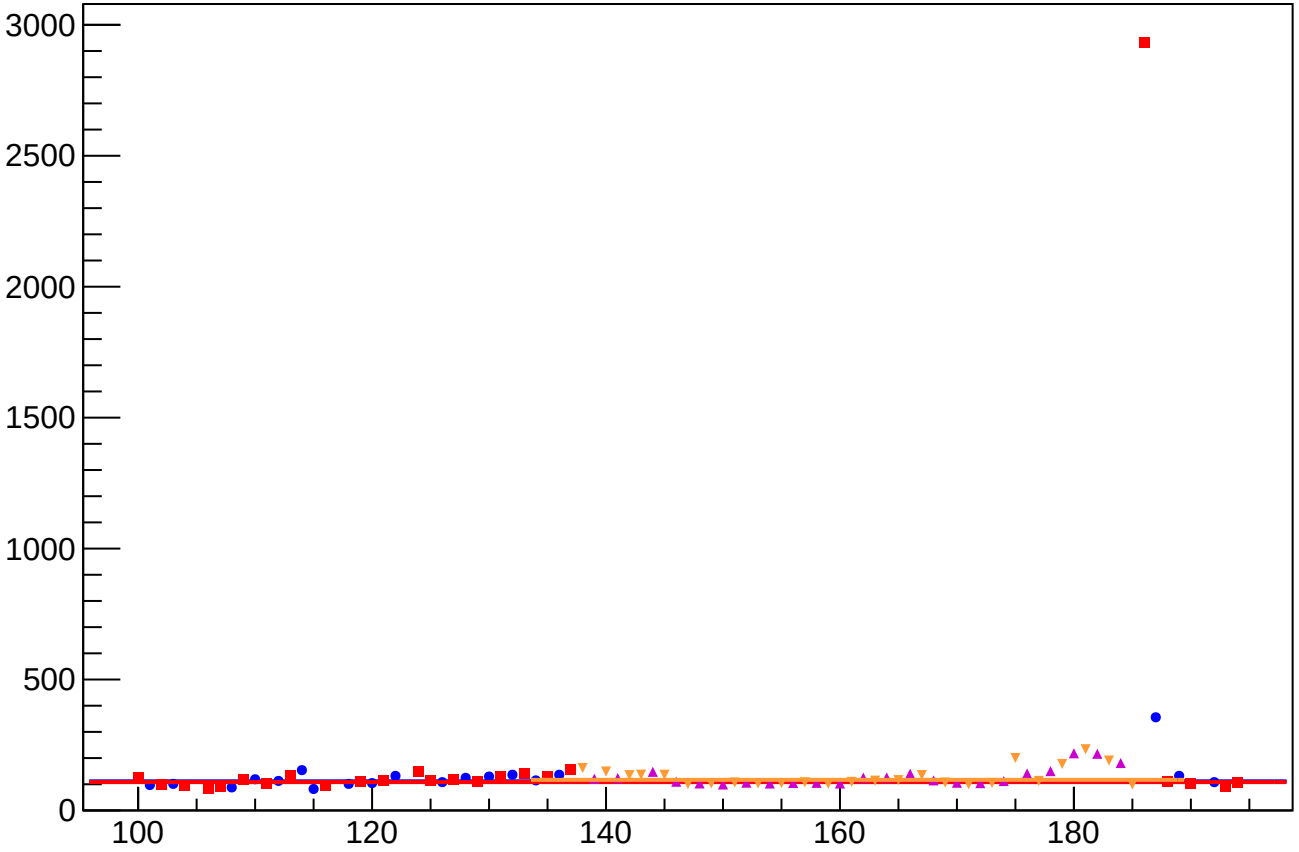
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.005+/-0.023 χ^2/NDF: 40.7/43

All: 0.003+/-0.016 χ^2/NDF: 102.7/90

- sign 0.000+/-0.022 χ^2/NDF: 61.9/46

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: 108.261+/-0.024 χ^2/NDF: 1139918.3/23

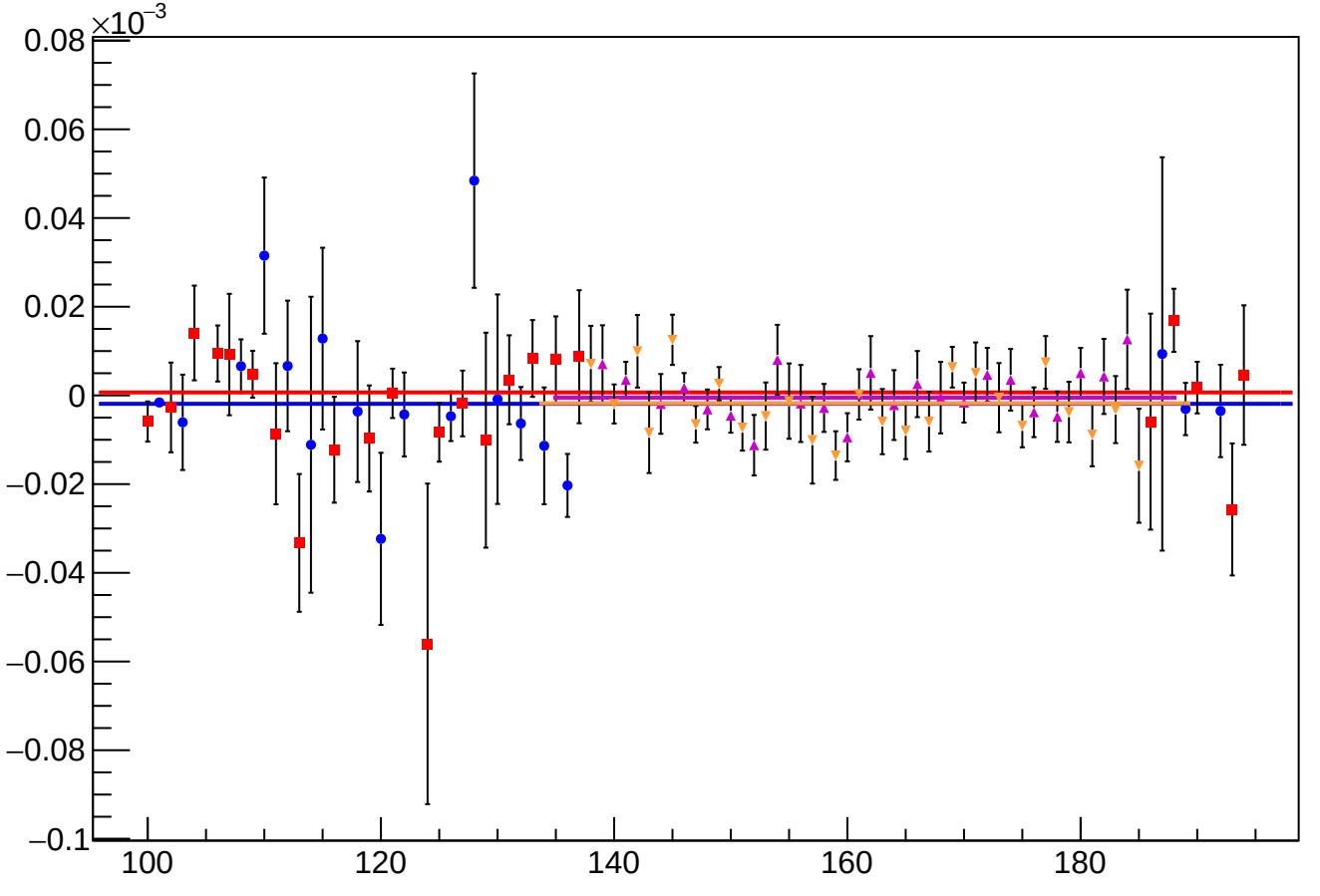
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

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

All: 113.854+/-0.011 χ^2/NDF: 4428752.5/90

\- sign 112.811+/-0.015 χ^2/NDF: 2429664.3/46

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: 28.6/23

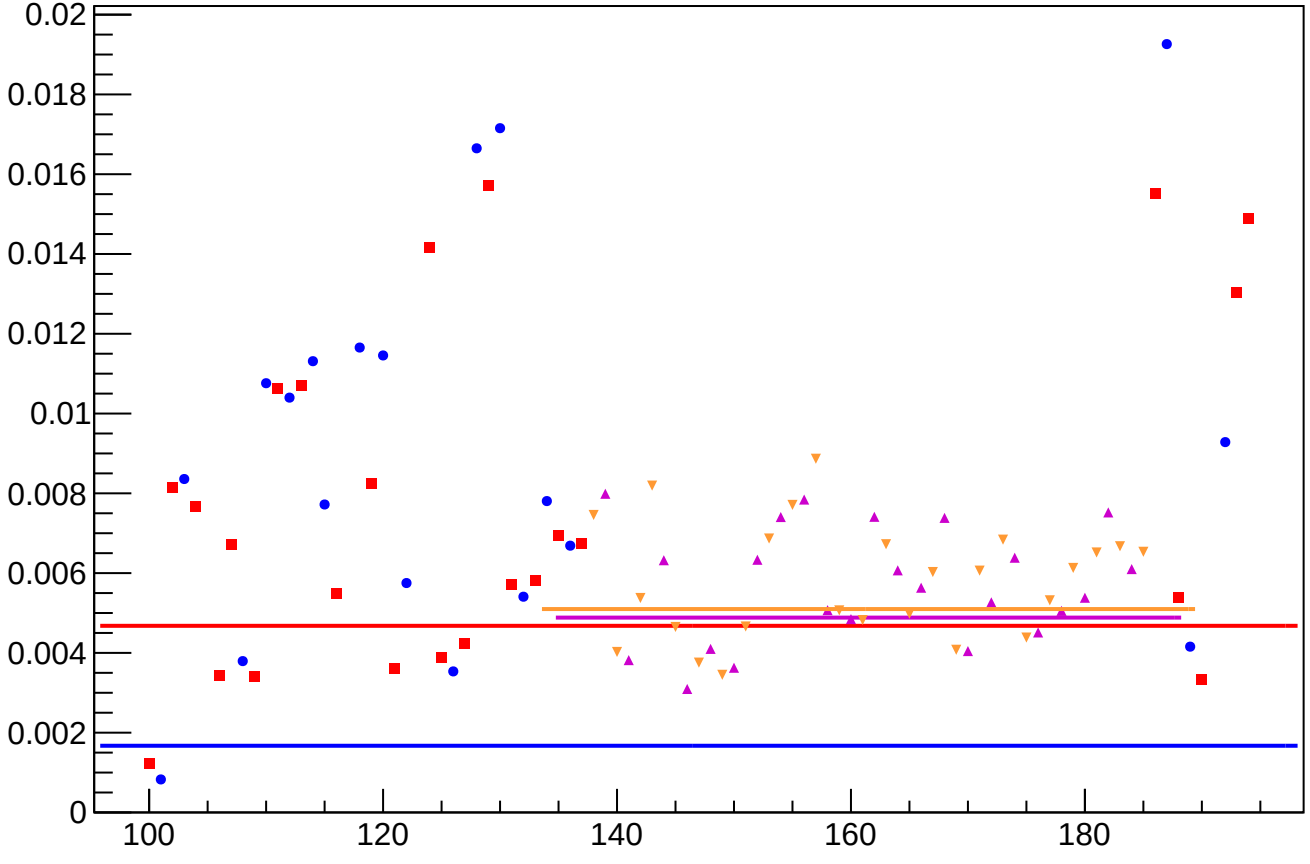
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

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

All: -0.000+/-0.000 χ^2/NDF: 99.0/90

- sign -0.000+/-0.000 χ^2/NDF: 44.5/46

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: 5420893.8/23

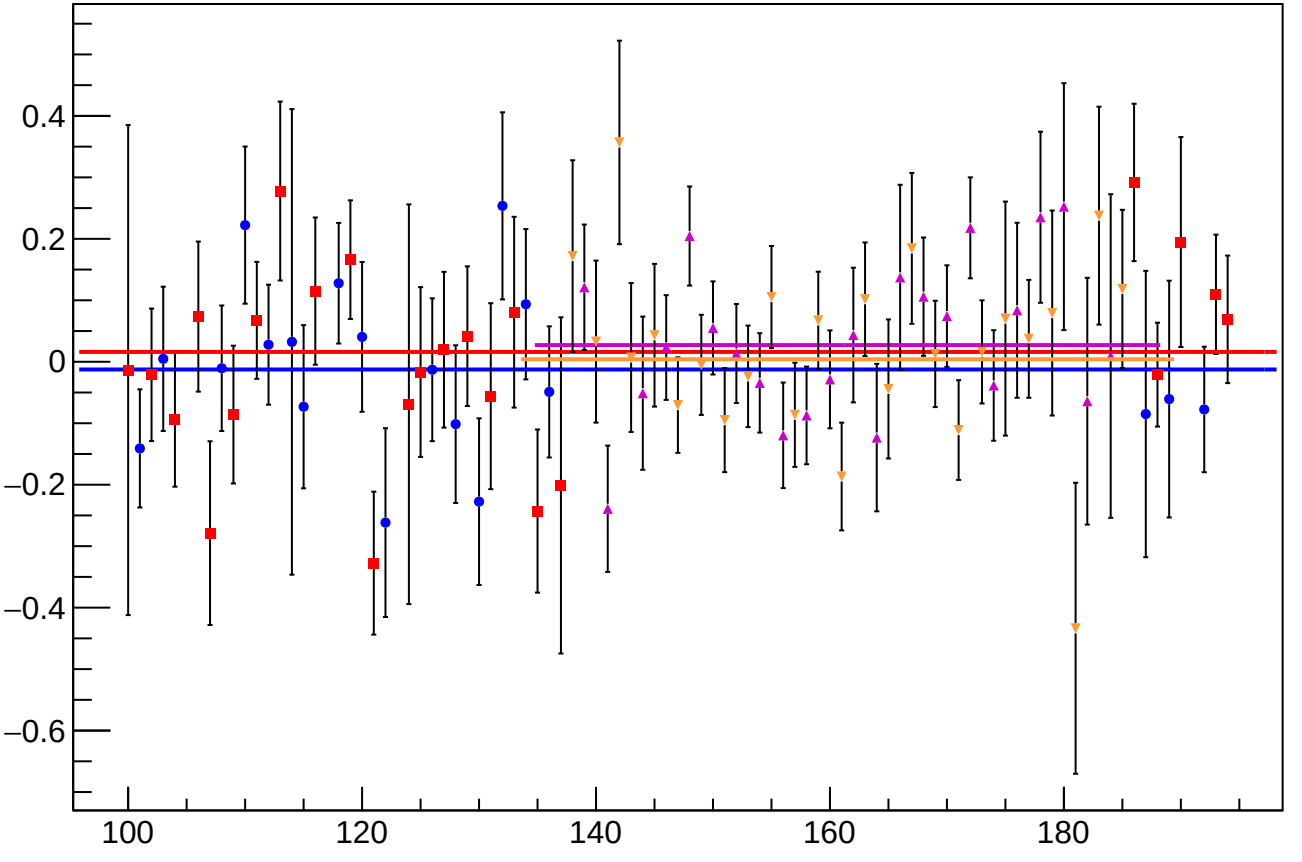
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

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

All: 0.004+/-0.000 χ^2/NDF: 35786829.4/90

- sign 0.005+/-0.000 χ^2/NDF: 8165318.3/46

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: 0.016+/-0.025 χ^2/NDF: 33.5/23

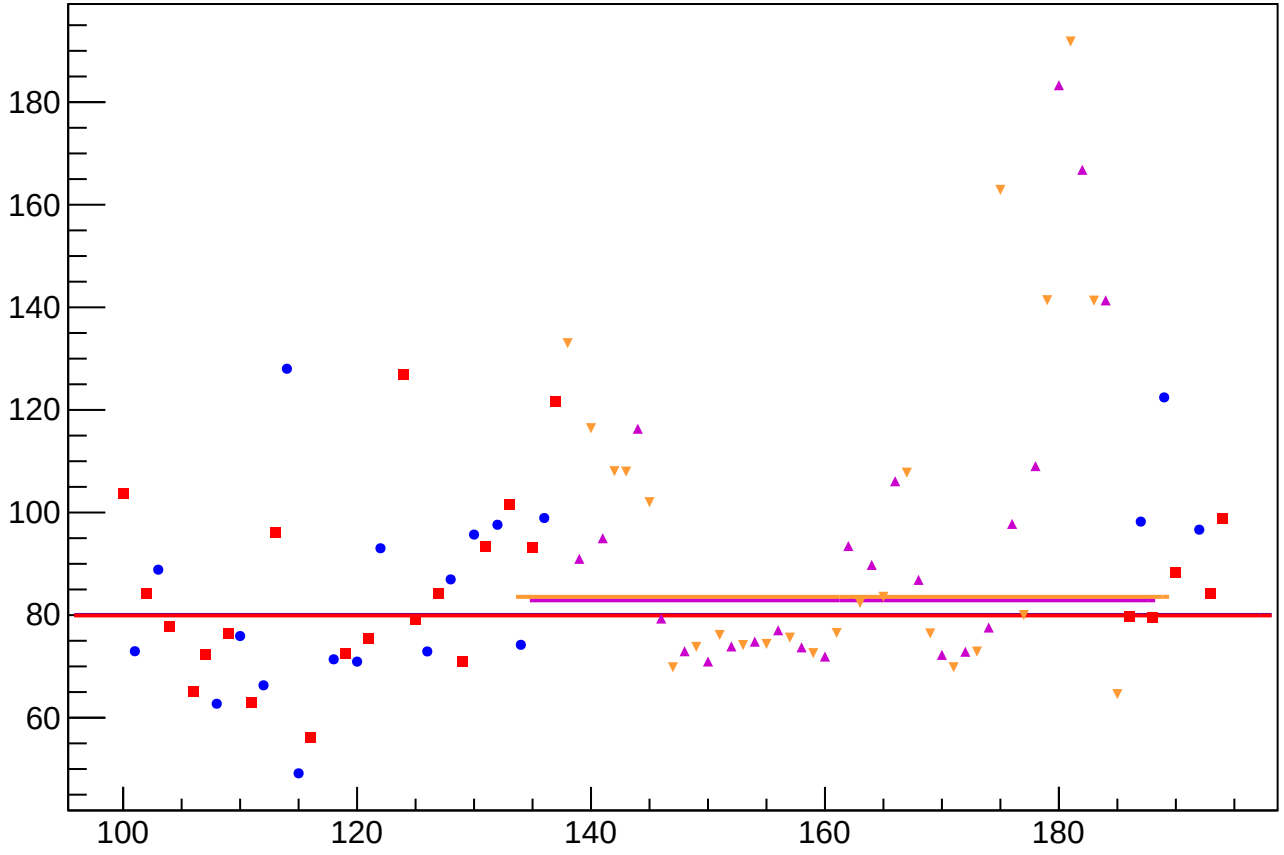
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

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

All: 0.011+/-0.011 χ^2/NDF: 113.1/90

- sign 0.023+/-0.016 χ^2/NDF: 65.6/46

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

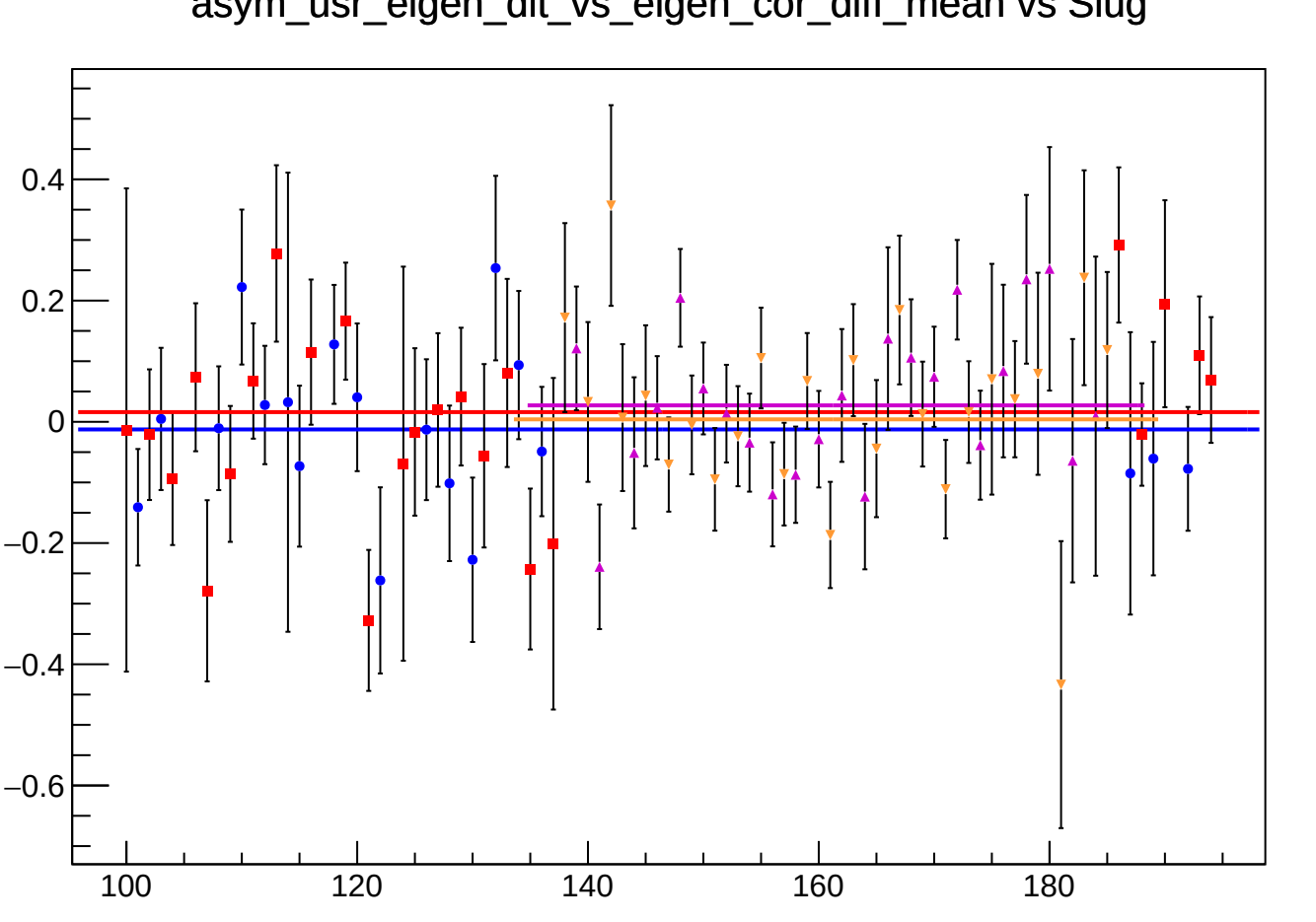
Right Out: 79.943+/-0.018 χ^2/NDF: 481563.6/23

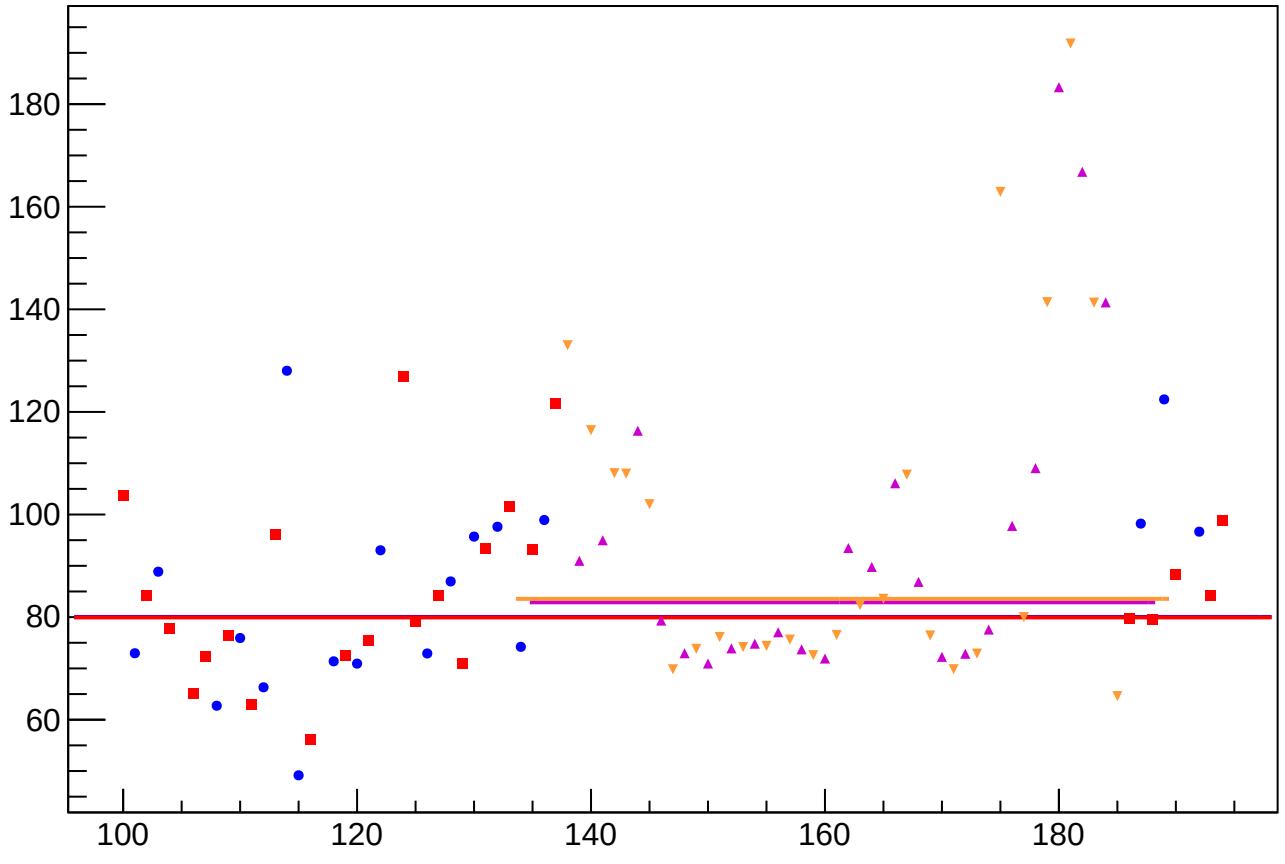
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

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

All: 82.030+/-0.008 χ^2/NDF: 4864555.4/90

- sign 81.718+/-0.011 χ^2/NDF: 2070931.4/46


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: 0.016+/-0.025 χ²/NDF: 33.5/23
Left In: 0.027+/-0.021 χ²/NDF:32.0/22
+ sign -0.002+/-0.016 χ²/NDF: 46.3/43
All: 0.011+/-0.011 χ²/NDF: 113.1/90
- sign 0.023+/-0.016 χ²/NDF: 65.6/46



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

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

Right Out: 79.943+/-0.018 χ^2/NDF: 481563.6/23

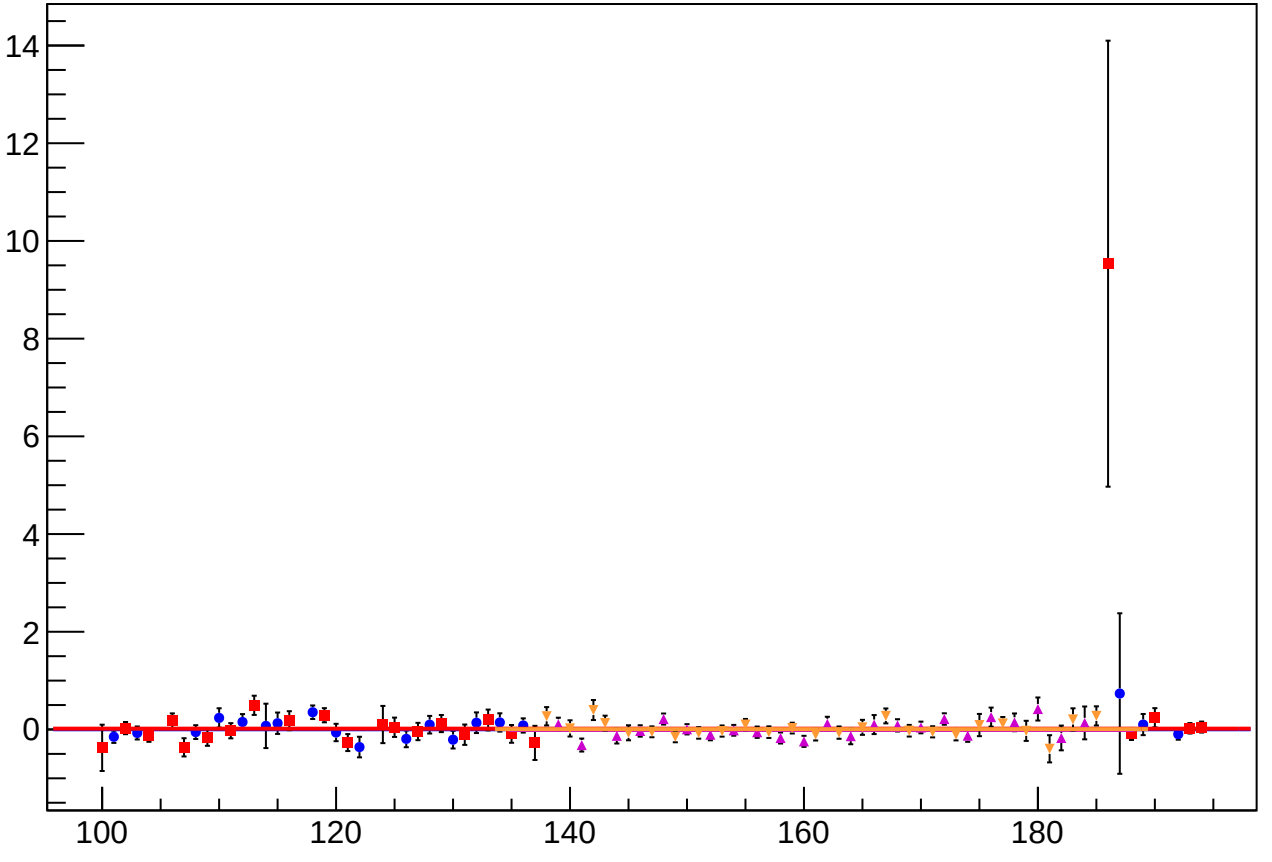
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

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

All: 82.030+/-0.008 χ^2/NDF: 4864555.4/90

- sign 81.718+/-0.011 χ^2/NDF: 2070931.4/46

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

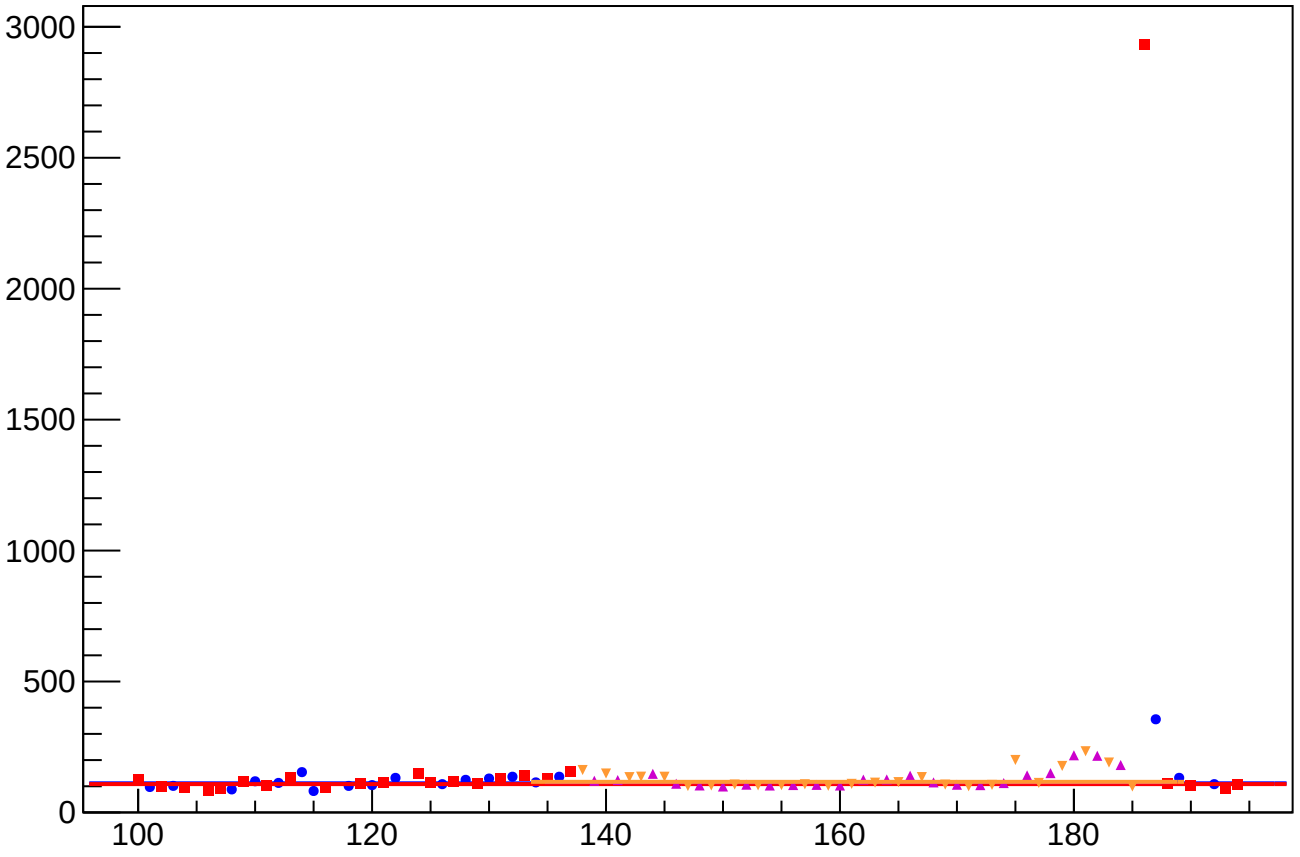
Right Out: 0.016+/-0.034 χ^2/NDF: 30.3/23

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

+ sign 0.005+/-0.023 χ^2/NDF: 40.7/43

All: 0.003+/-0.016 χ^2/NDF: 102.7/90

- sign 0.000+/-0.022 χ^2/NDF: 61.9/46



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

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

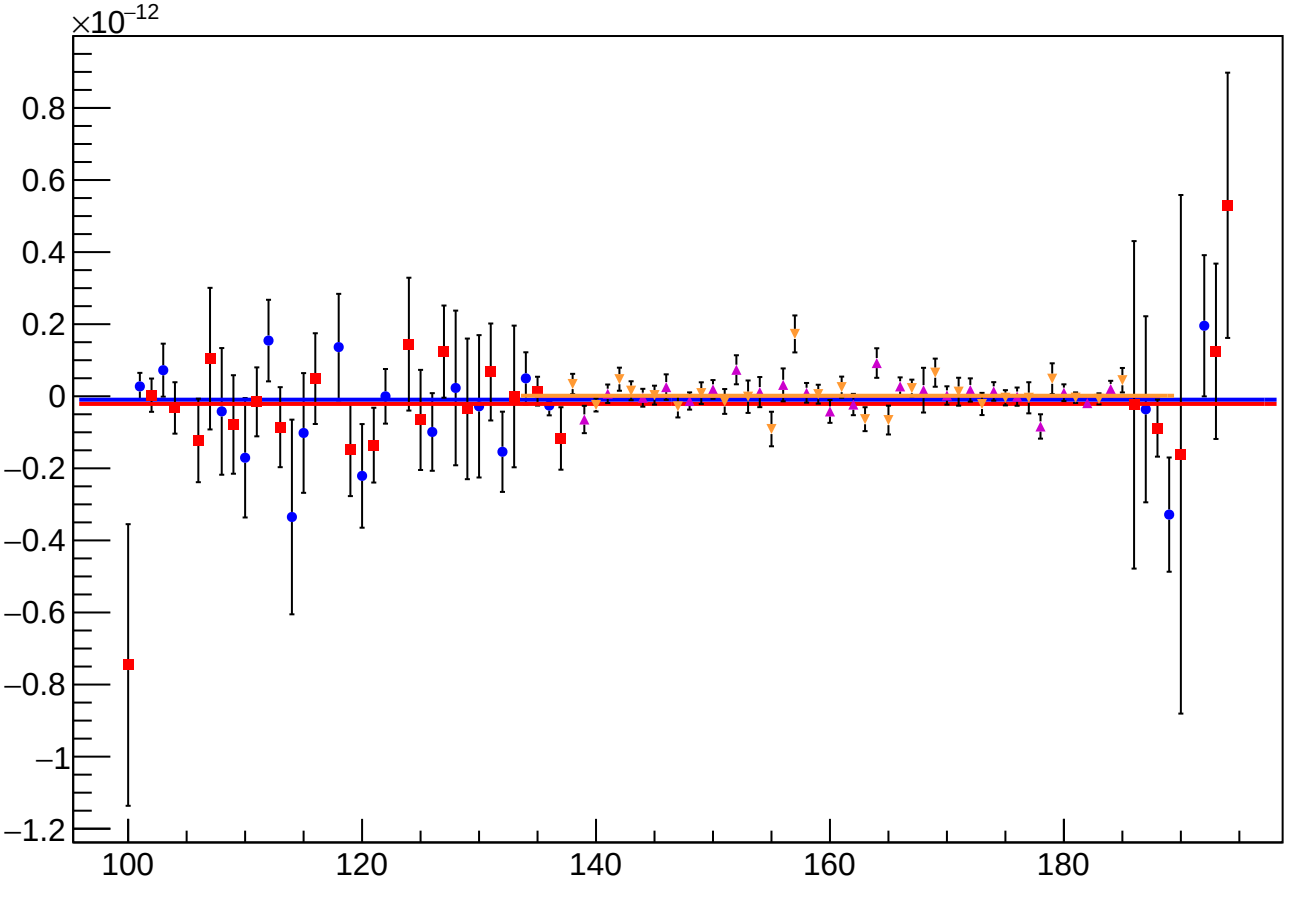
Right Out: 108.260+/-0.024 χ^2/NDF: 1139894.6/23

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 114.977+/-0.016 χ^2/NDF: 1989560.2/43

All: 113.854+/-0.011 χ^2/NDF: 4428719.4/90

- sign 112.811+/-0.015 χ^2/NDF: 2429644.3/46



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

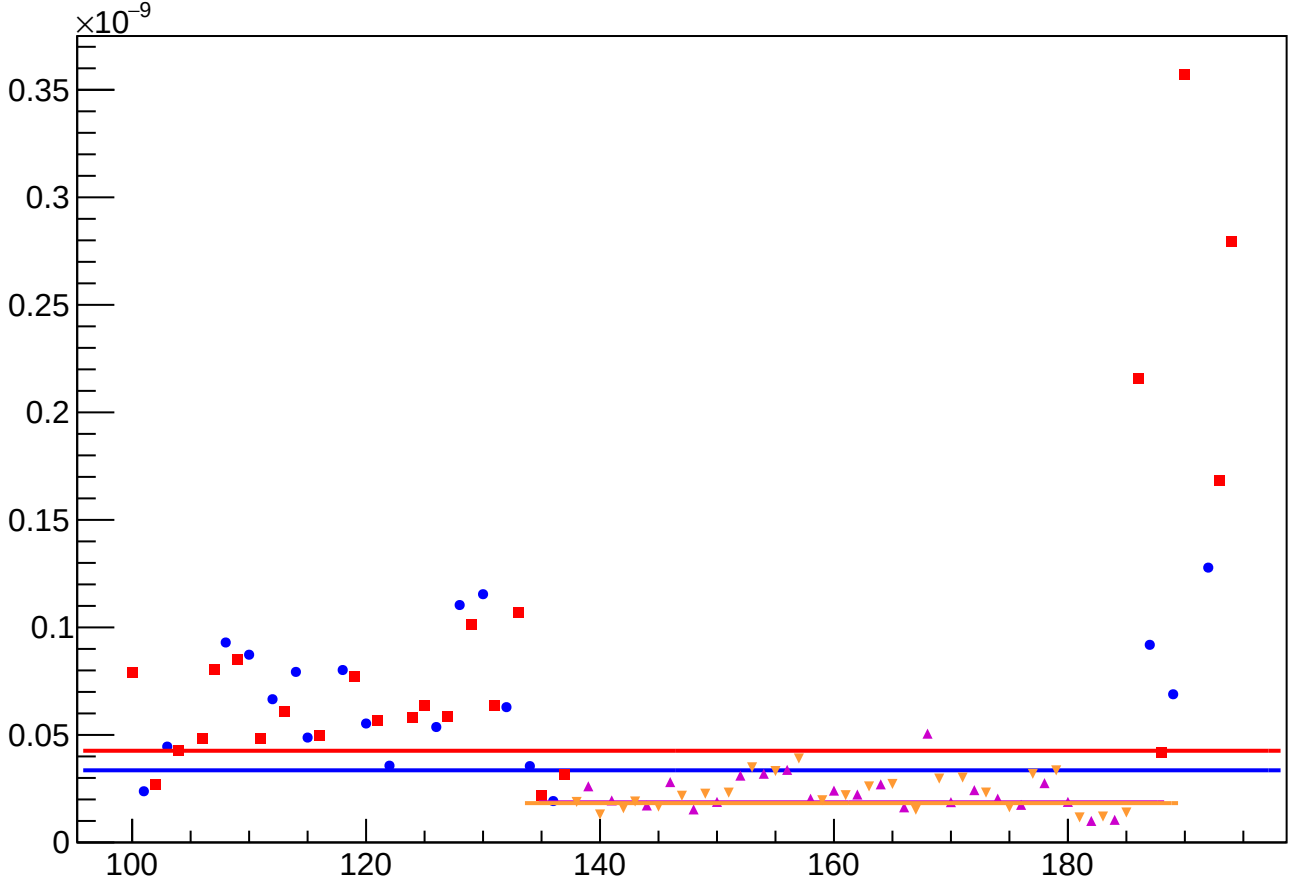
Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/23

Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.8/43

All: -0.000+/-0.000 χ^2/NDF: 99.6/90

- sign -0.000+/-0.000 χ^2/NDF: 43.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 3138048.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3926627.2/23

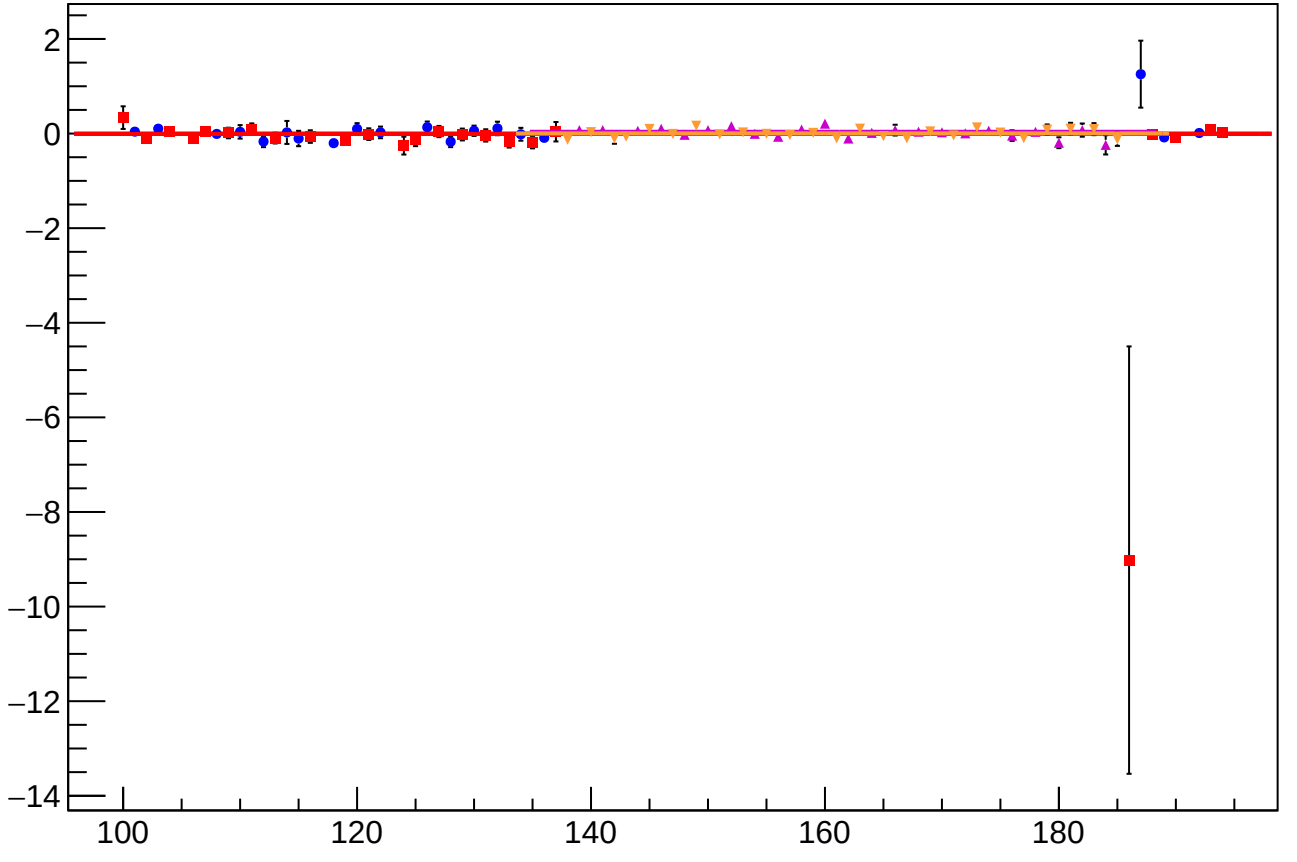
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7527777.1/43

All: 0.000+/-0.000 χ^2/NDF: 16976986.4/90

- sign 0.000+/-0.000 χ^2/NDF: 9426016.3/46

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: -0.009+/-0.017 χ^2/NDF: 30.0/23

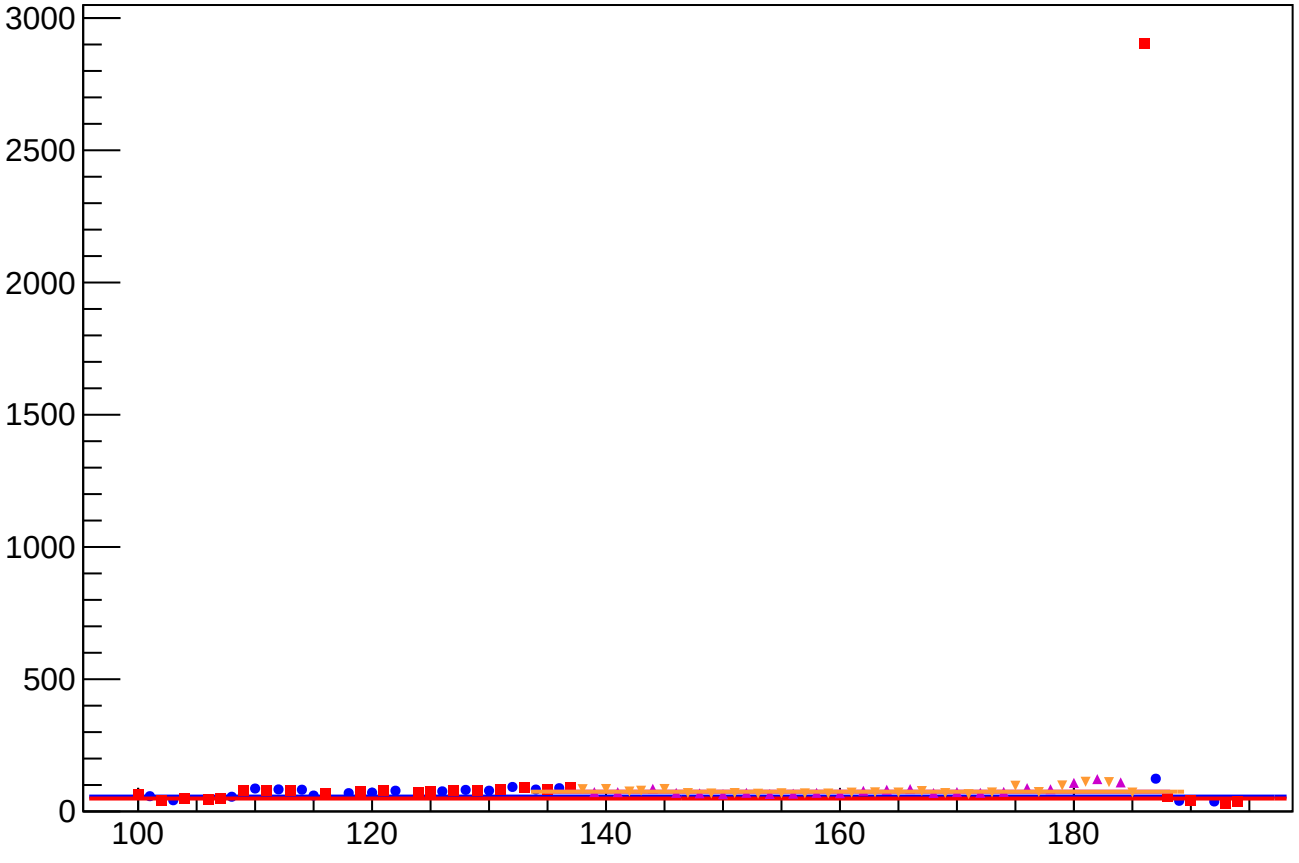
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign 0.001+/-0.013 χ^2/NDF: 43.0/43

All: 0.008+/-0.009 χ^2/NDF: 98.8/90

- sign 0.013+/-0.012 χ^2/NDF: 55.3/46

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

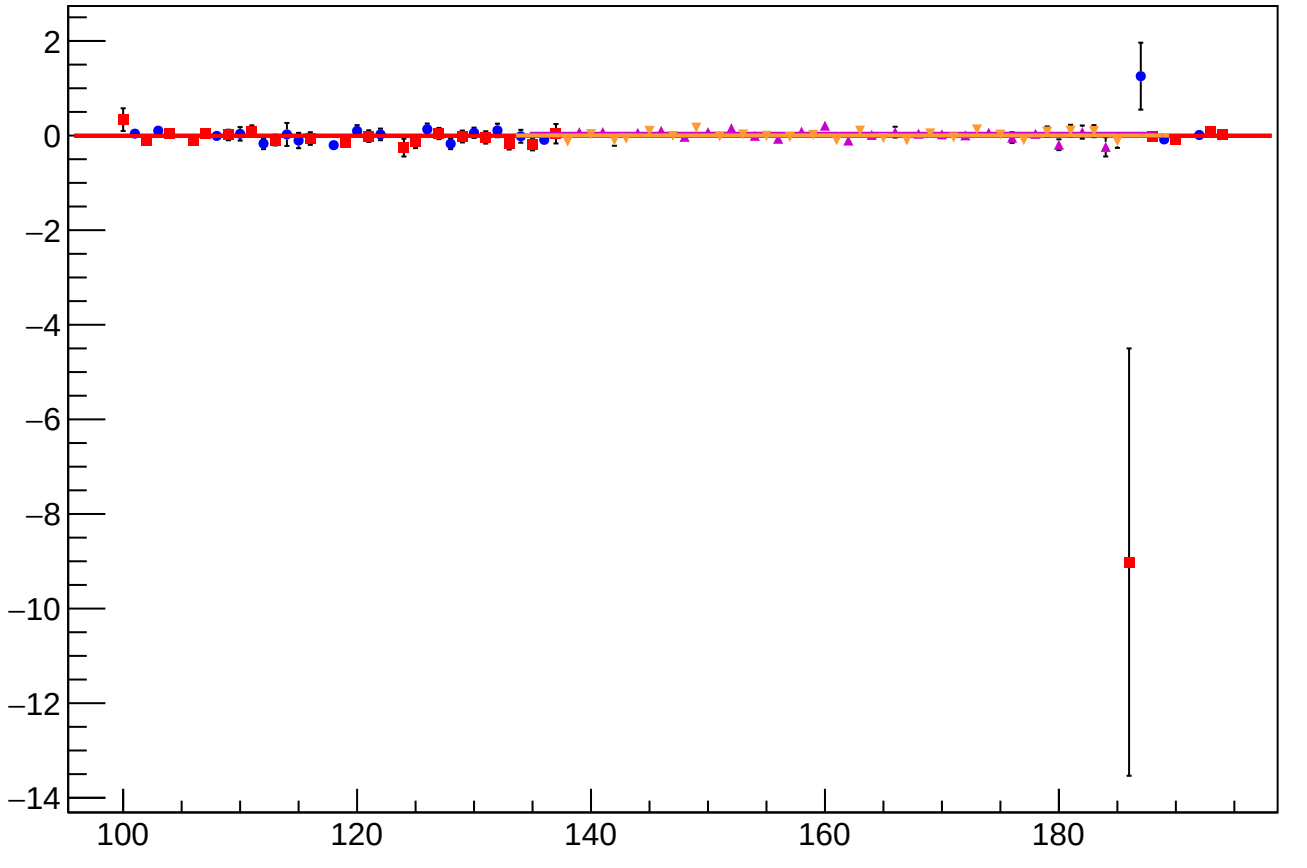
Right Out: 48.883+/-0.012 χ^2/NDF: 3393950.4/23

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 66.974+/-0.009 χ^2/NDF: 3423327.6/43

All: 63.685+/-0.006 χ^2/NDF: 9963407.5/90

- sign 60.899+/-0.009 χ^2/NDF: 6313303.6/46



Right In: -0.001+/-0.020 χ^2/NDF: 21.5/18

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.009+/-0.017 χ^2/NDF: 30.0/23

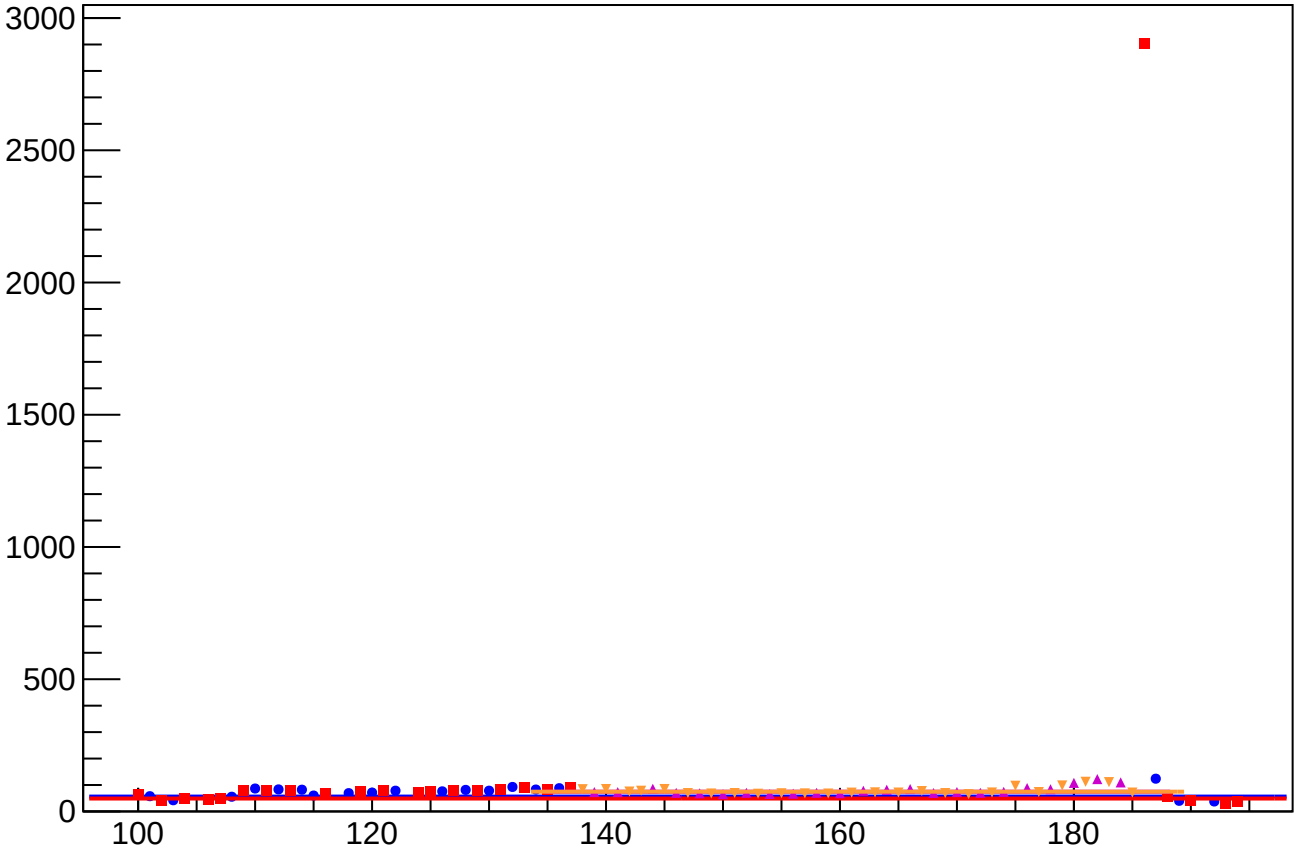
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign 0.001+/-0.013 χ^2/NDF: 43.0/43

All: 0.008+/-0.009 χ^2/NDF: 98.8/90

- sign 0.013+/-0.012 χ^2/NDF: 55.3/46

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: 48.883+/-0.012 χ^2/NDF: 3393950.4/23

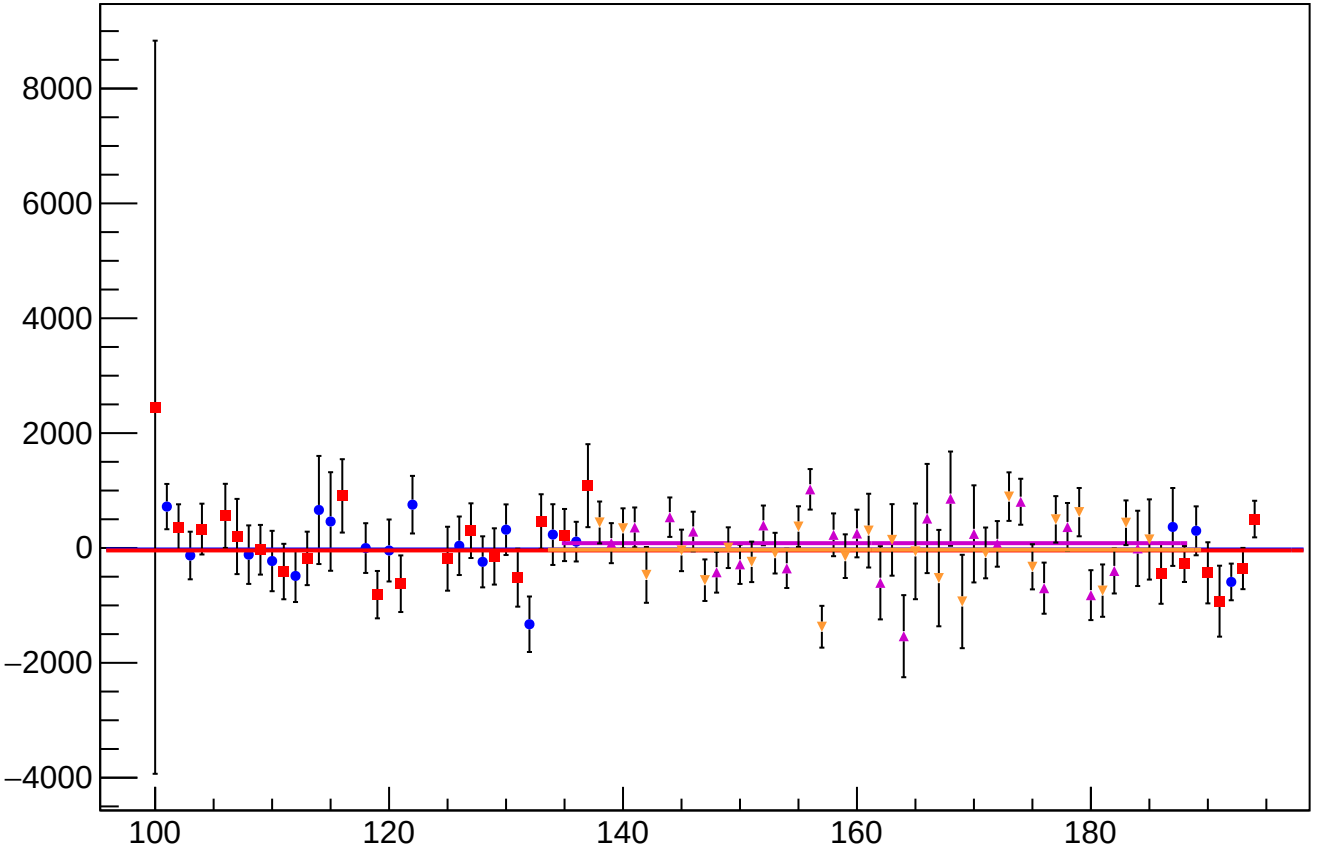
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 66.974+/-0.009 χ^2/NDF: 3423327.6/43

All: 63.685+/-0.006 χ^2/NDF: 9963407.5/90

- sign 60.899+/-0.009 χ^2/NDF: 6313303.6/46

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: -42.764+/-96.286 χ^2/NDF: 23.7/23

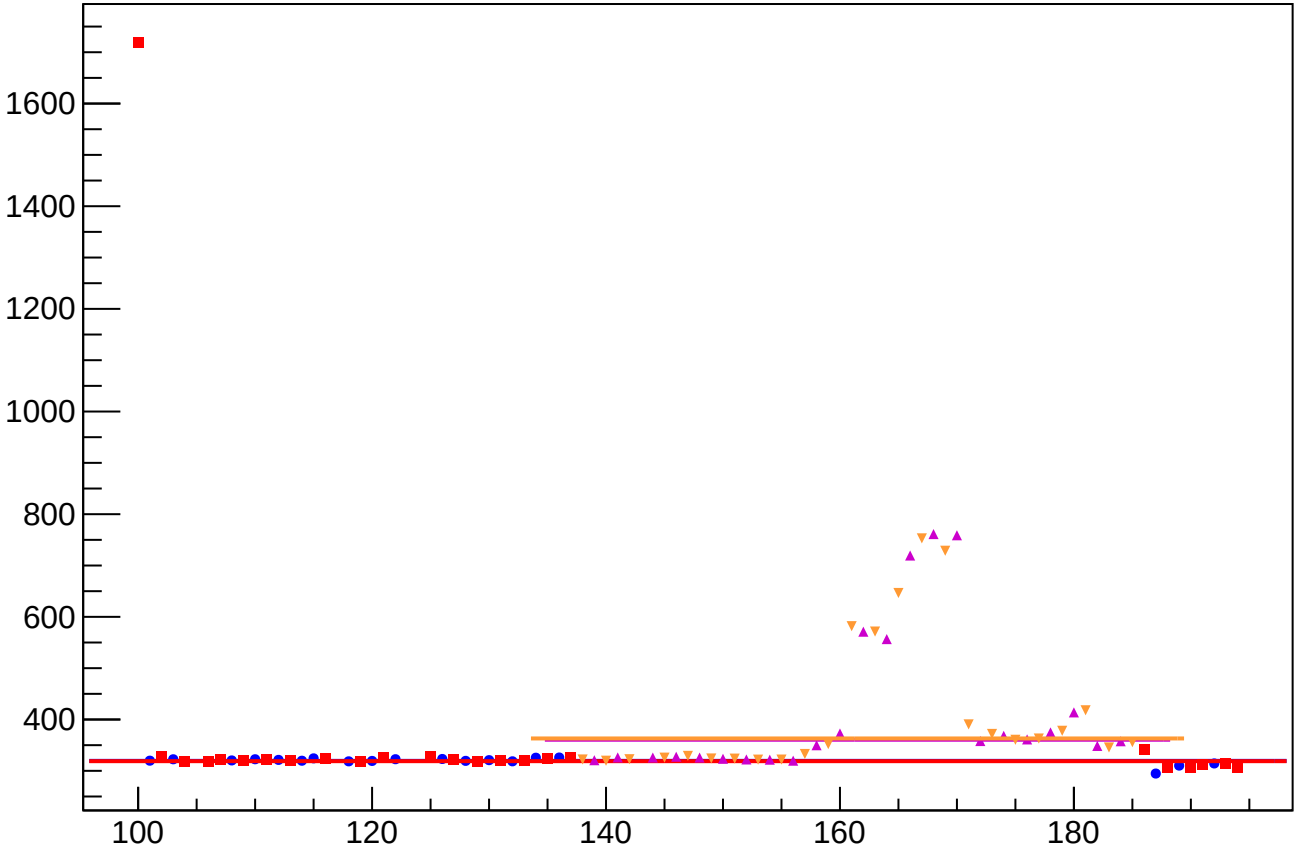
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -28.015+/-67.241 χ^2/NDF: 57.3/42

All: 0.835+/-46.486 χ^2/NDF: 118.1/89

- sign 27.248+/-64.337 χ^2/NDF: 60.5/46

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

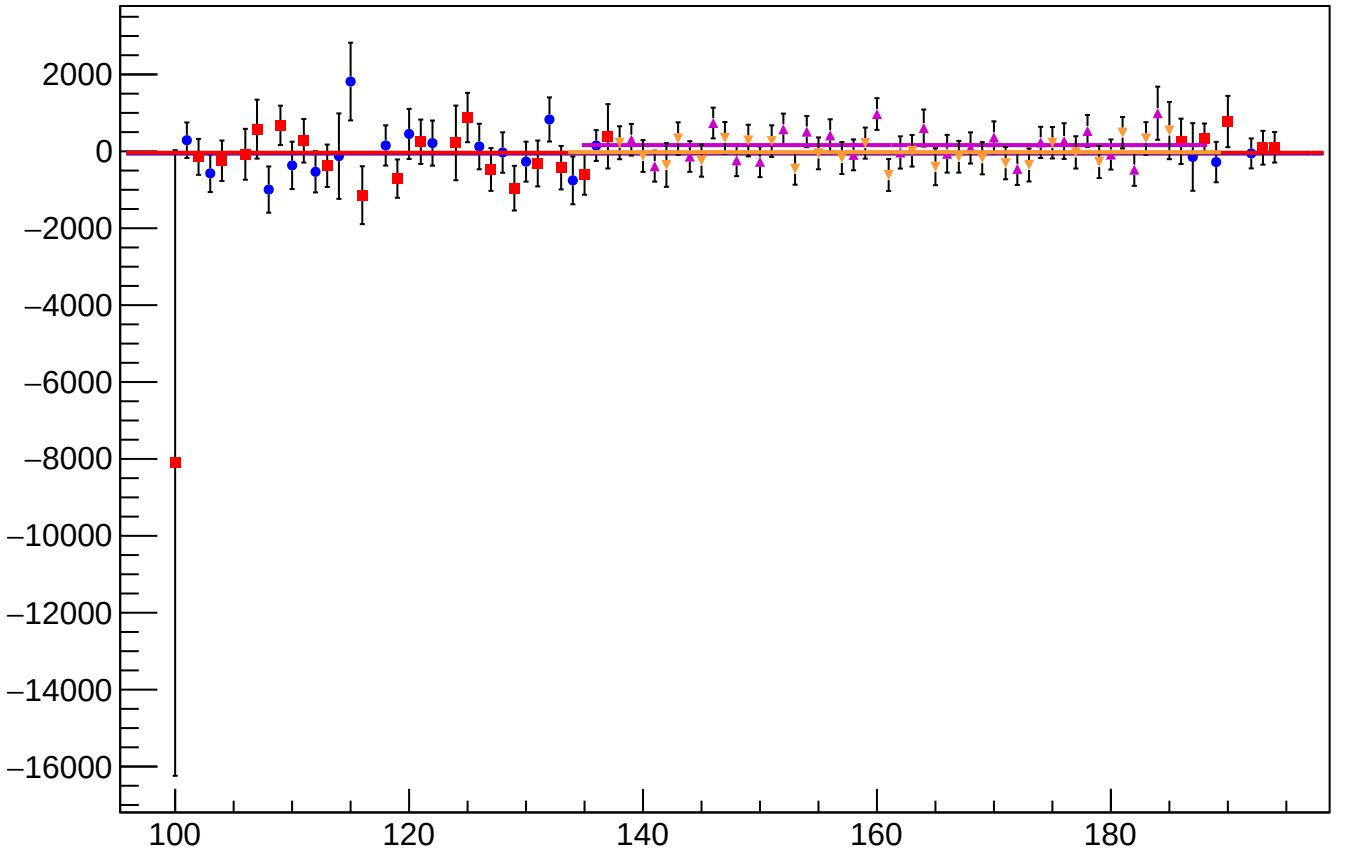
Right Out: 318.840+/-0.068 χ^2/NDF: 109904.5/23

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 345.780+/-0.048 χ^2/NDF: 2002928.0/42

All: 343.779+/-0.033 χ^2/NDF: 4142009.9/89

- sign 341.947+/-0.045 χ^2/NDF: 2135688.3/46



Right In: -56.749+/-126.994 χ^2/NDF: 13.9/18

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -35.907+/-115.503 χ^2/NDF: 18.8/23

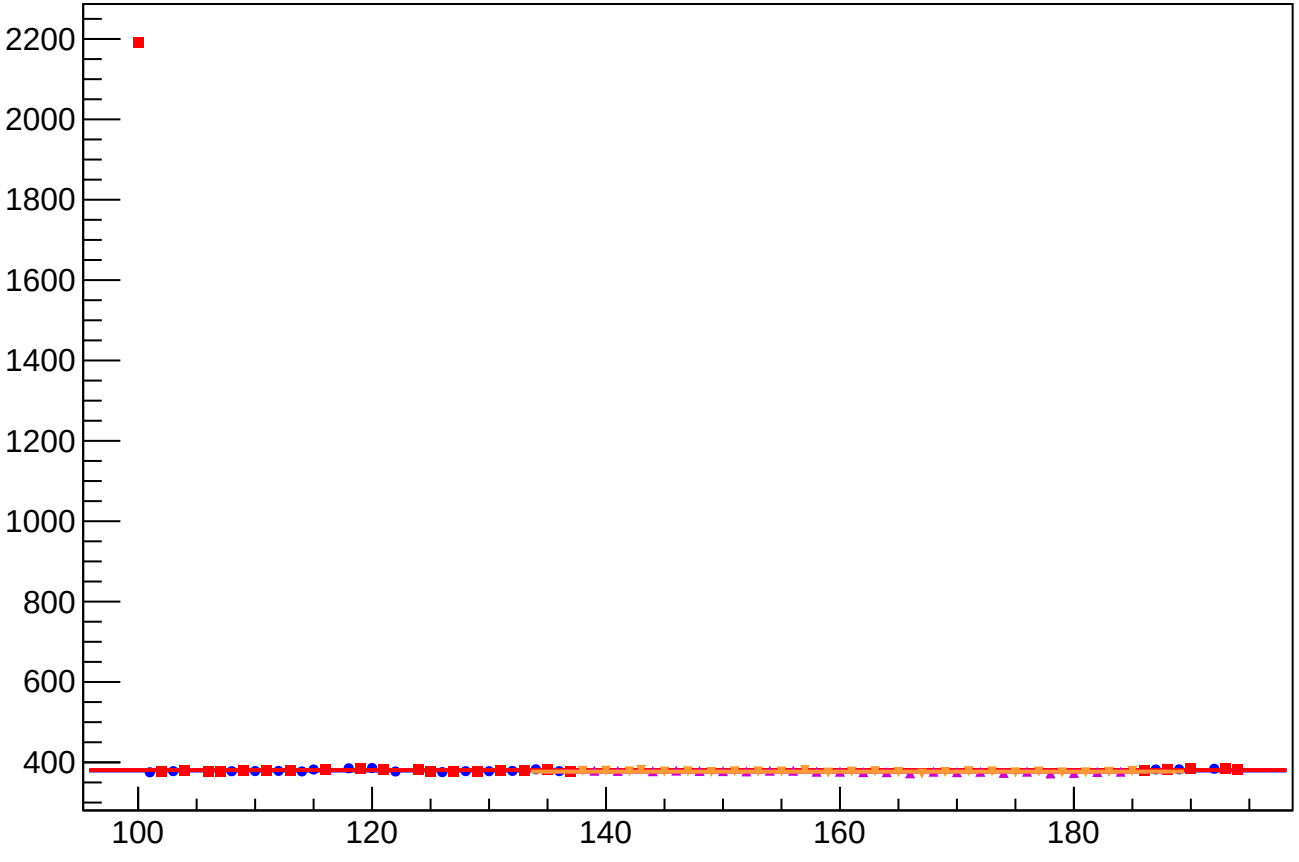
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -32.213+/-70.992 χ^2/NDF: 26.6/43

All: 29.733+/-49.842 χ^2/NDF: 70.5/90

- sign 89.950+/-69.994 χ^2/NDF: 42.4/46

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

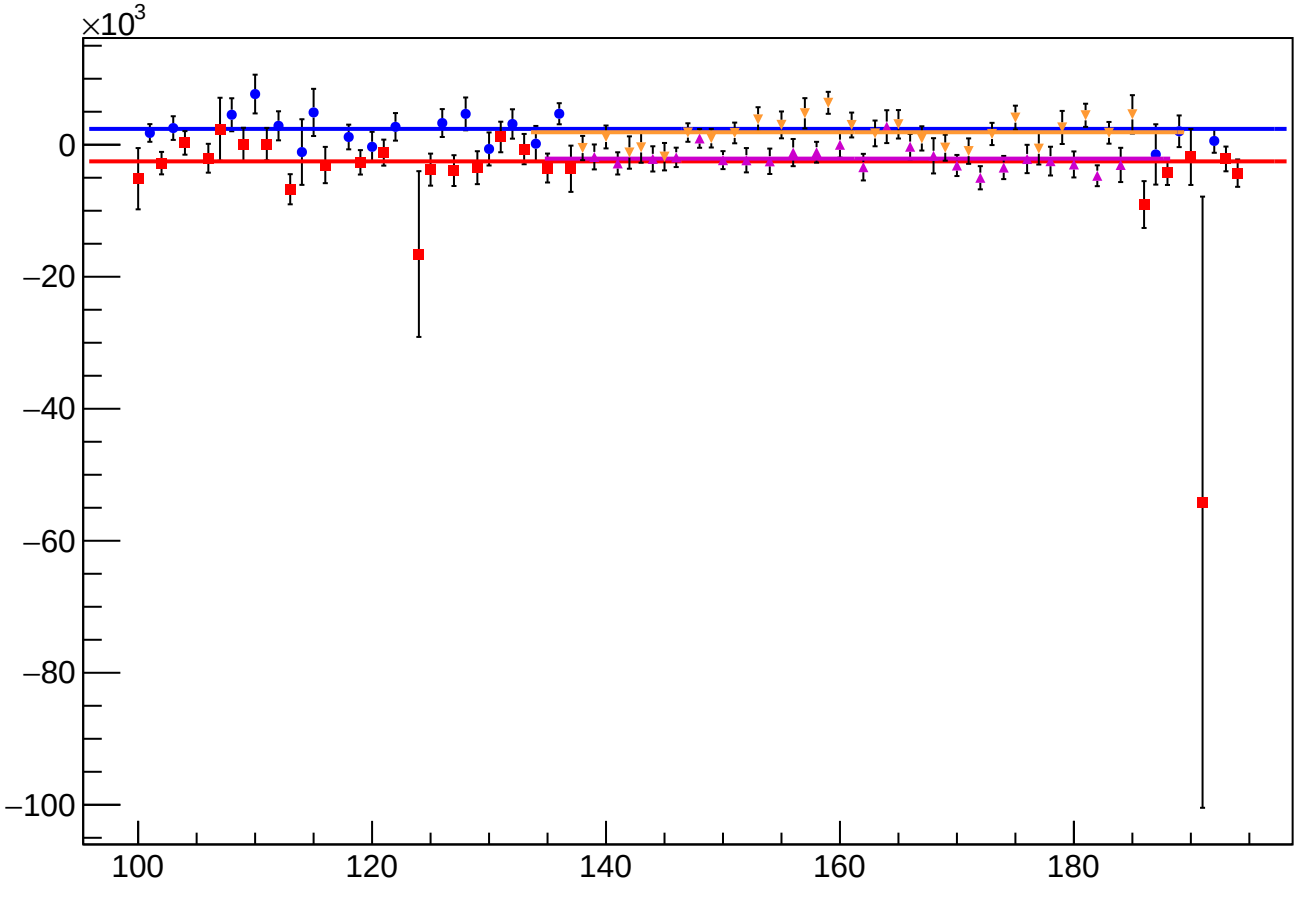
Right Out: 380.861+/-0.082 χ^2/NDF: 100087.9/23

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 377.791+/-0.050 χ^2/NDF: 2979.1/43

All: 378.059+/-0.035 χ^2/NDF: 105726.7/90

- sign 378.320+/-0.049 χ^2/NDF: 102691.2/46



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

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2521.389+/-484.220 χ^2/NDF: 21.7/24

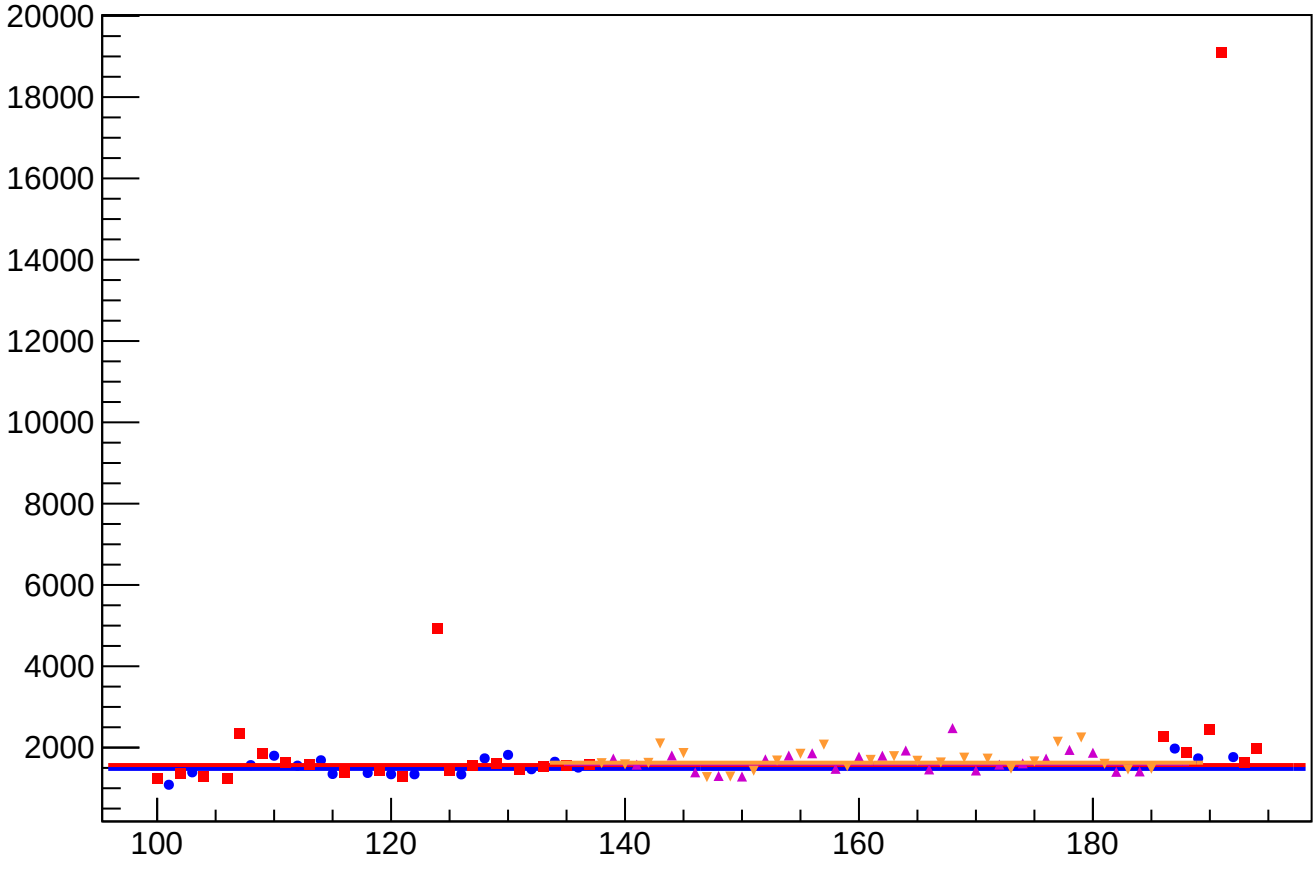
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2074.037+/-300.325 χ^2/NDF: 43.2/43

All: -108.111+/-211.705 χ^2/NDF: 188.9/91

- sign -2263.466+/-298.476 χ^2/NDF: 40.7/47

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

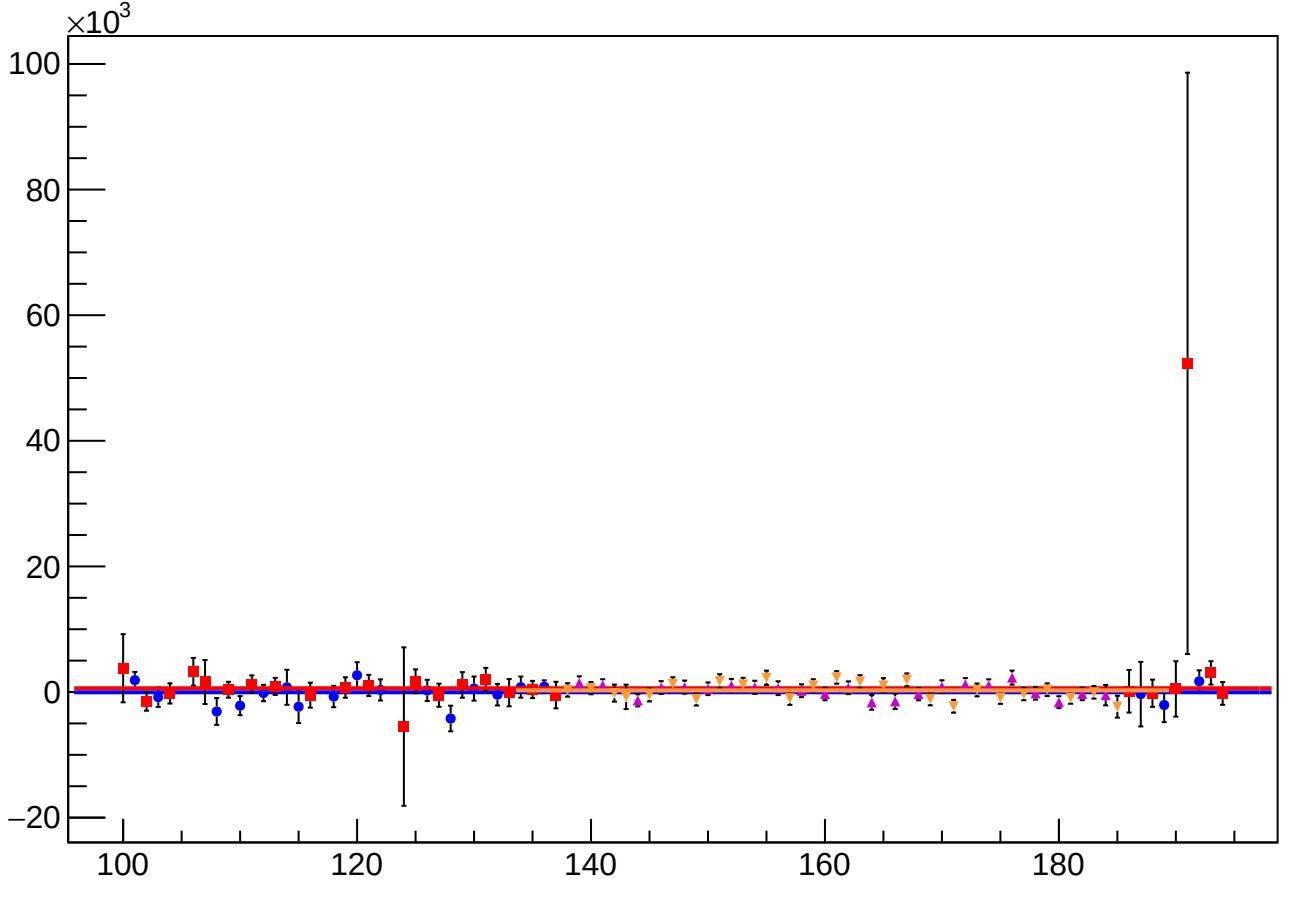
Right Out: 1570.362+/-0.342 χ^2/NDF: 1012393.8/24

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

+ sign 1573.548+/-0.212 χ^2/NDF: 1305914.7/43

All: 1581.657+/-0.150 χ^2/NDF: 3120056.4/91

- sign 1589.667+/-0.211 χ^2/NDF: 1811243.2/47



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

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 601.845+/-381.983 χ^2/NDF: 10.1/24

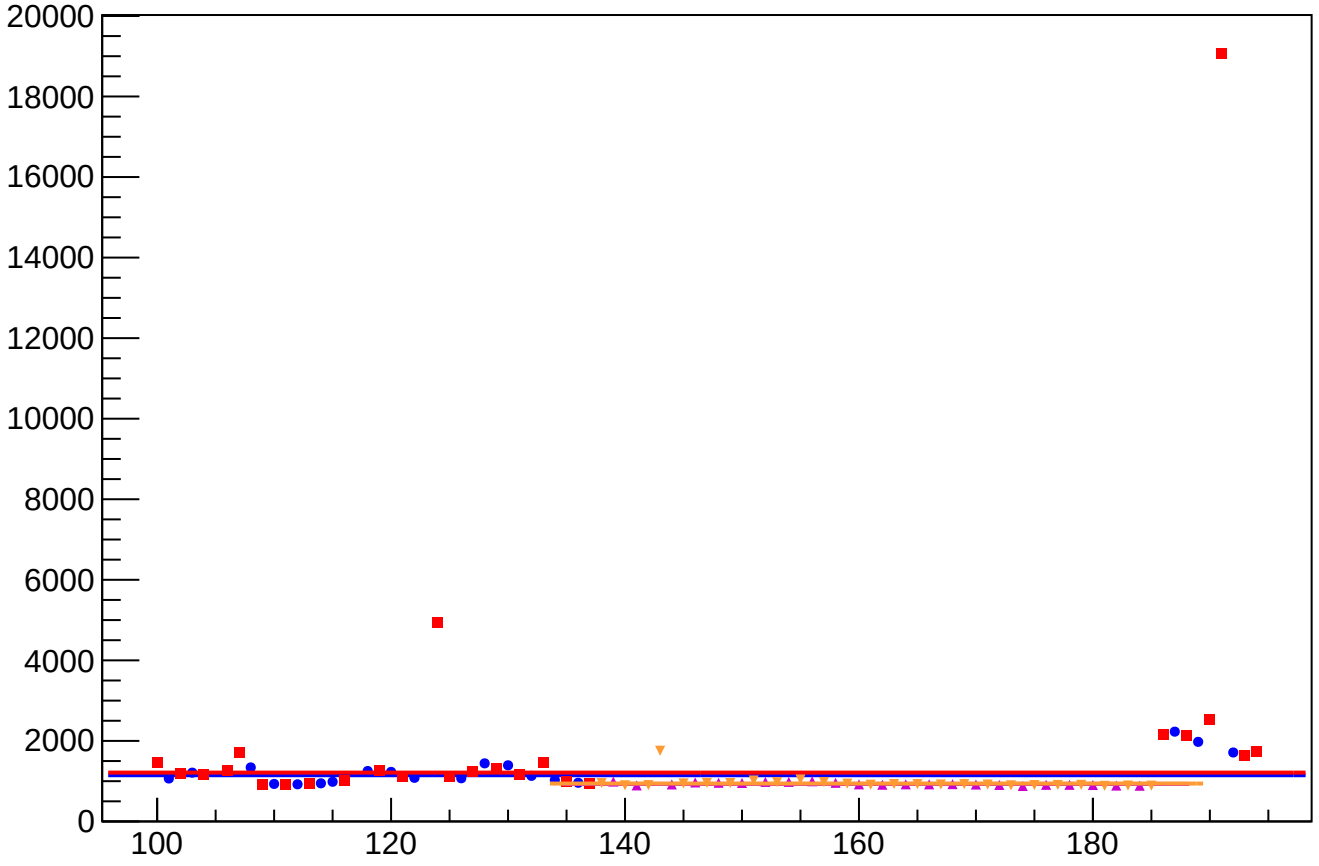
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 192.593+/-188.669 χ^2/NDF: 50.5/43

All: 270.672+/-133.571 χ^2/NDF: 82.9/91

- sign 349.132+/-189.129 χ^2/NDF: 32.1/47

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: 1213.195+/-0.270 χ^2/NDF: 1909885.3/24

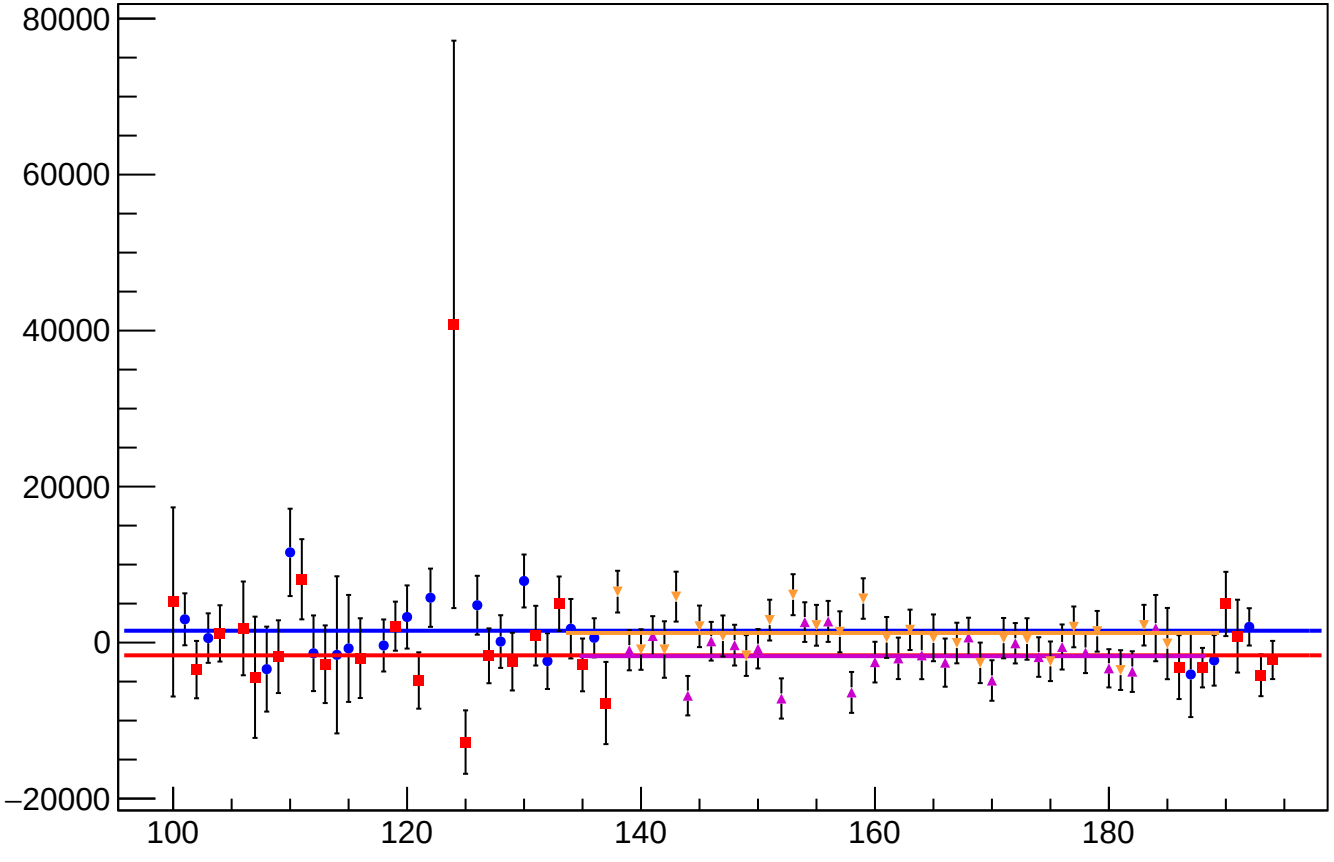
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 988.530+/-0.133 χ^2/NDF: 1641855.0/43

All: 994.552+/-0.094 χ^2/NDF: 4425412.1/91

- sign 1000.604+/-0.134 χ^2/NDF: 2779471.7/47

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: -1634.365+/-776.995 χ^2/NDF: 26.2/24

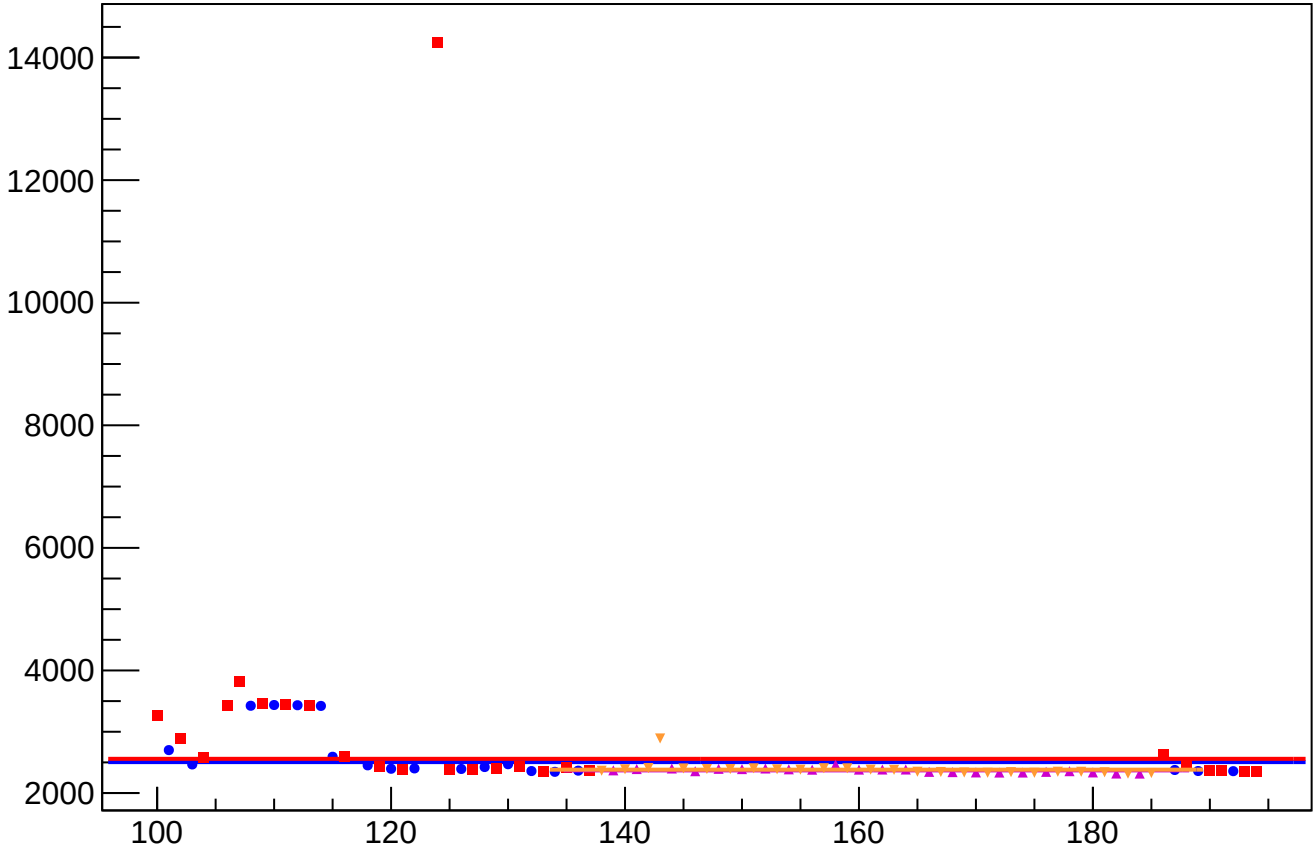
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1317.794+/-455.544 χ^2/NDF: 38.9/43

All: -210.140+/-320.384 χ^2/NDF: 111.7/91

- sign -1705.609+/-450.679 χ^2/NDF: 50.6/47

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: 2558.281+/-0.549 χ^2/NDF: 588517.7/24

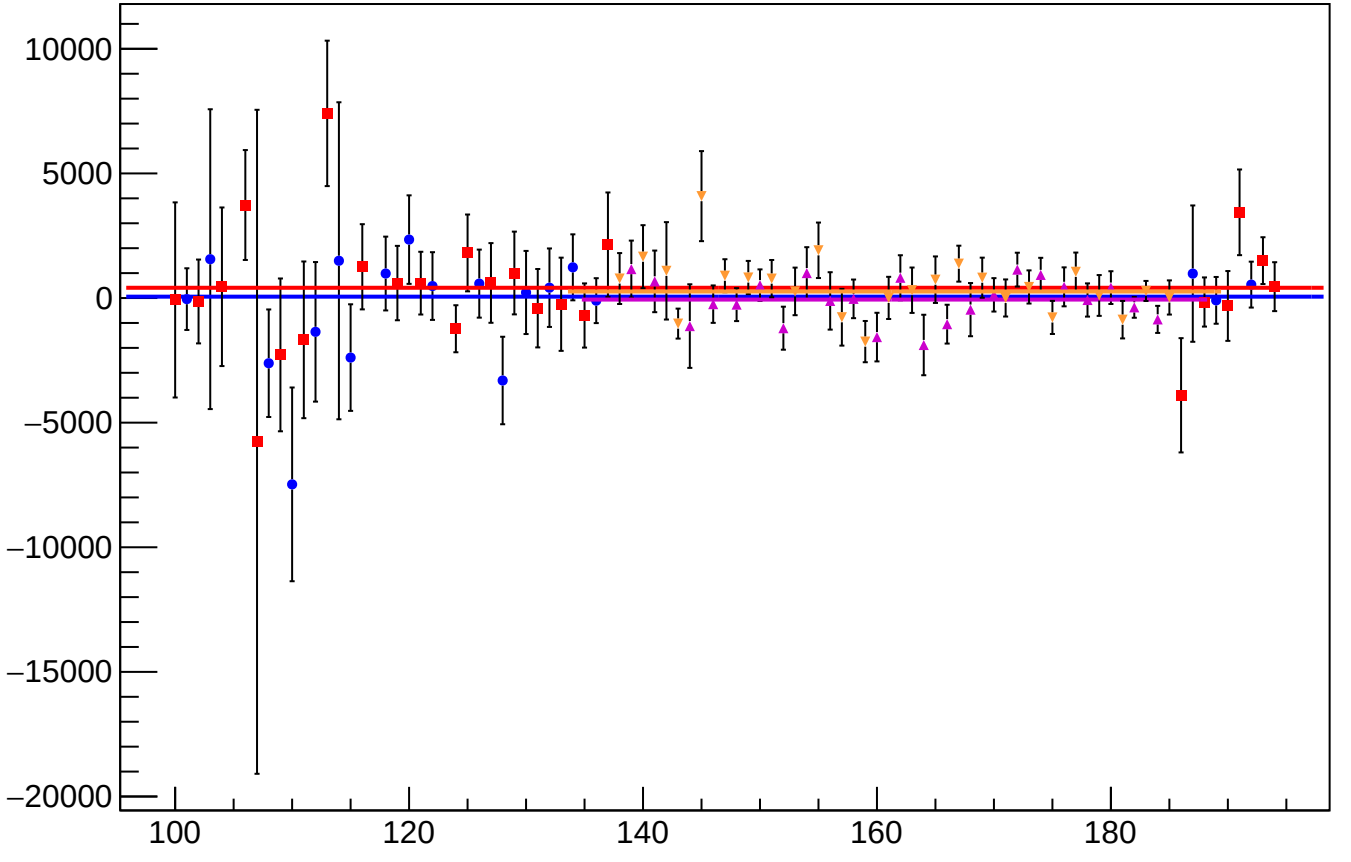
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2417.215+/-0.322 χ^2/NDF: 329753.4/43

All: 2425.159+/-0.227 χ^2/NDF: 1004946.6/91

- sign 2432.935+/-0.319 χ^2/NDF: 673989.6/47

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: 411.971+/-308.107 χ^2/NDF: 24.3/24

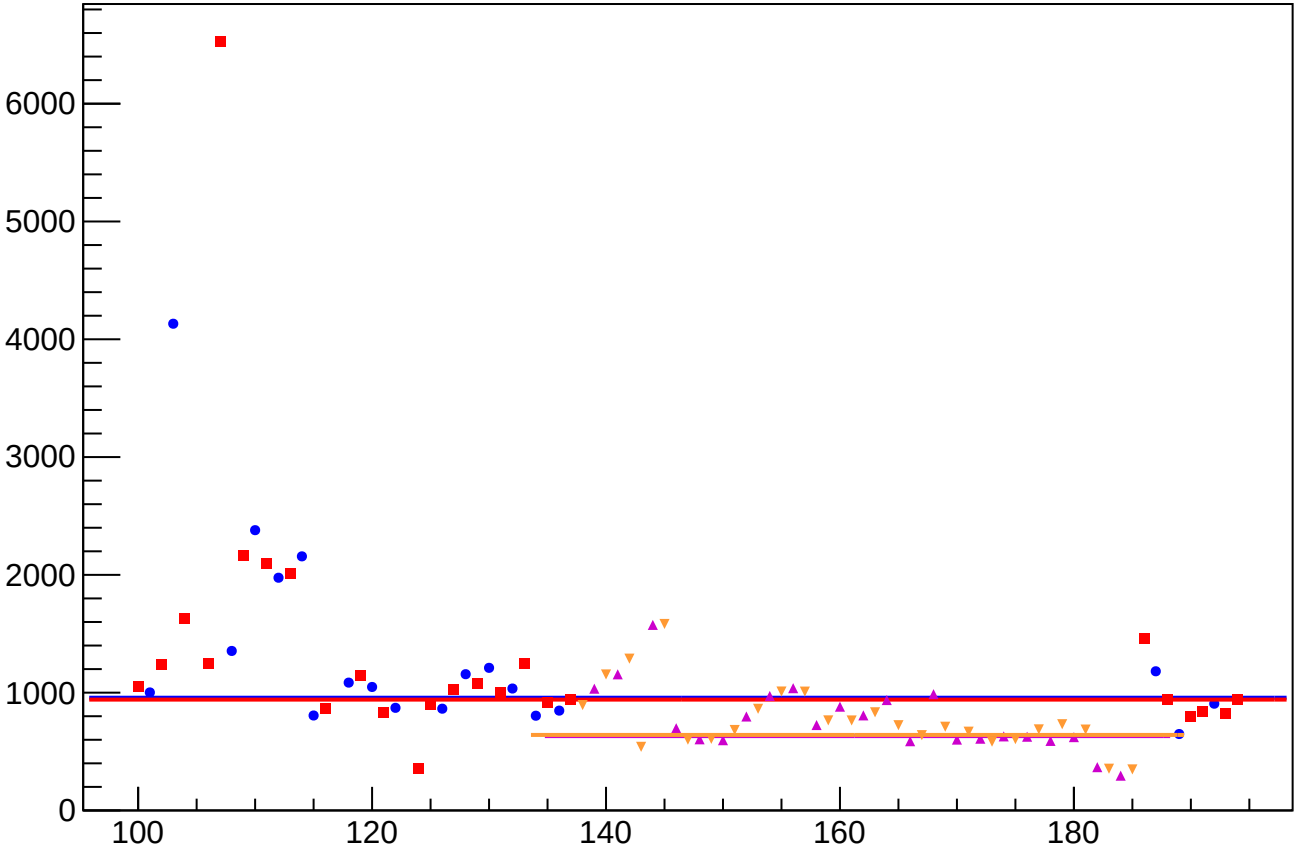
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

\+ sign 227.135+/-140.464 χ^2/NDF: 45.7/43

All: 131.424+/-99.217 χ^2/NDF: 94.7/91

\- sign 36.122+/-140.164 χ^2/NDF: 48.1/47

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: 941.007+/-0.218 χ^2/NDF: 2479139.0/24

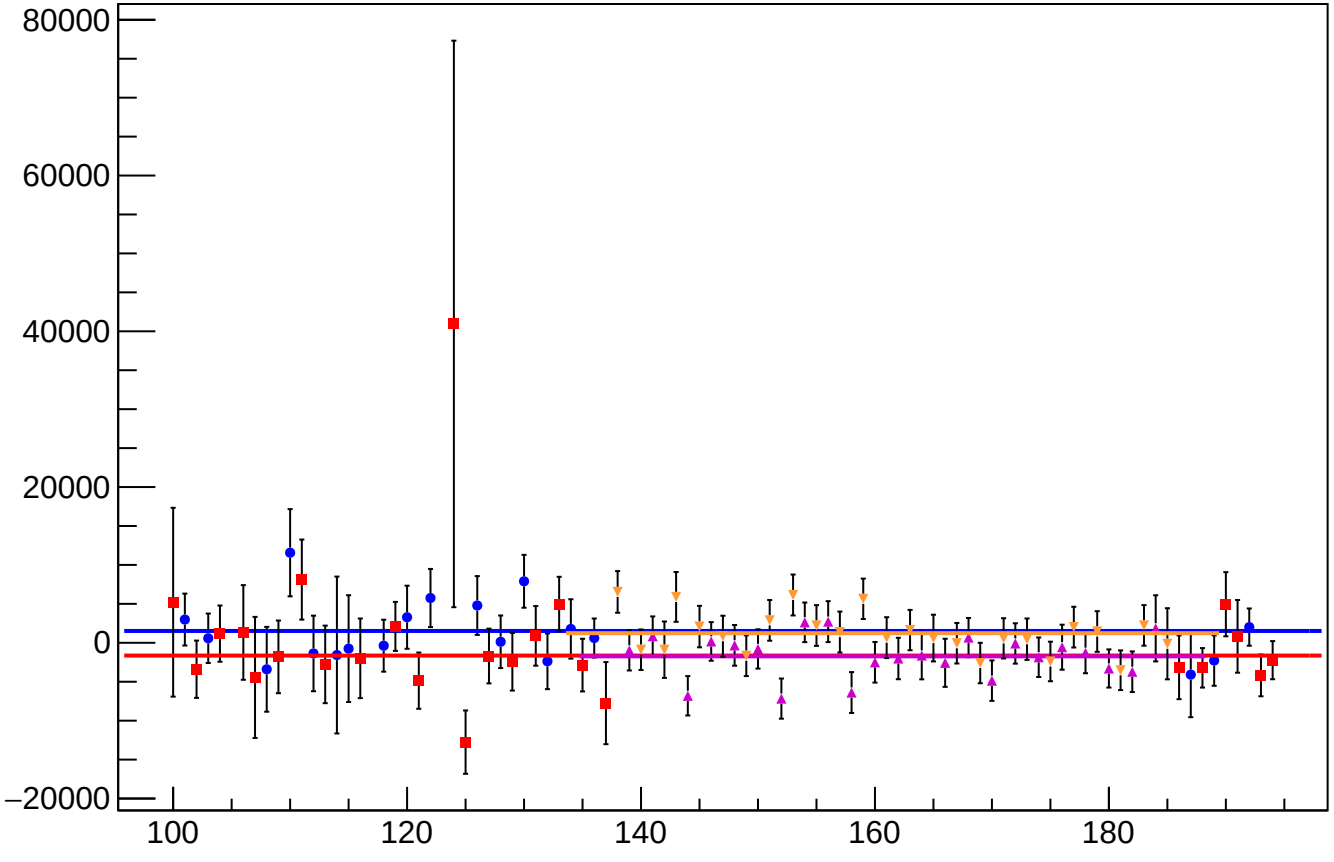
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 694.273+/-0.099 χ^2/NDF: 6536968.3/43

All: 694.795+/-0.070 χ^2/NDF: 14595268.0/91

- sign 695.314+/-0.099 χ^2/NDF: 8058244.6/47

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: -1640.439+/-777.143 χ^2/NDF: 26.1/24

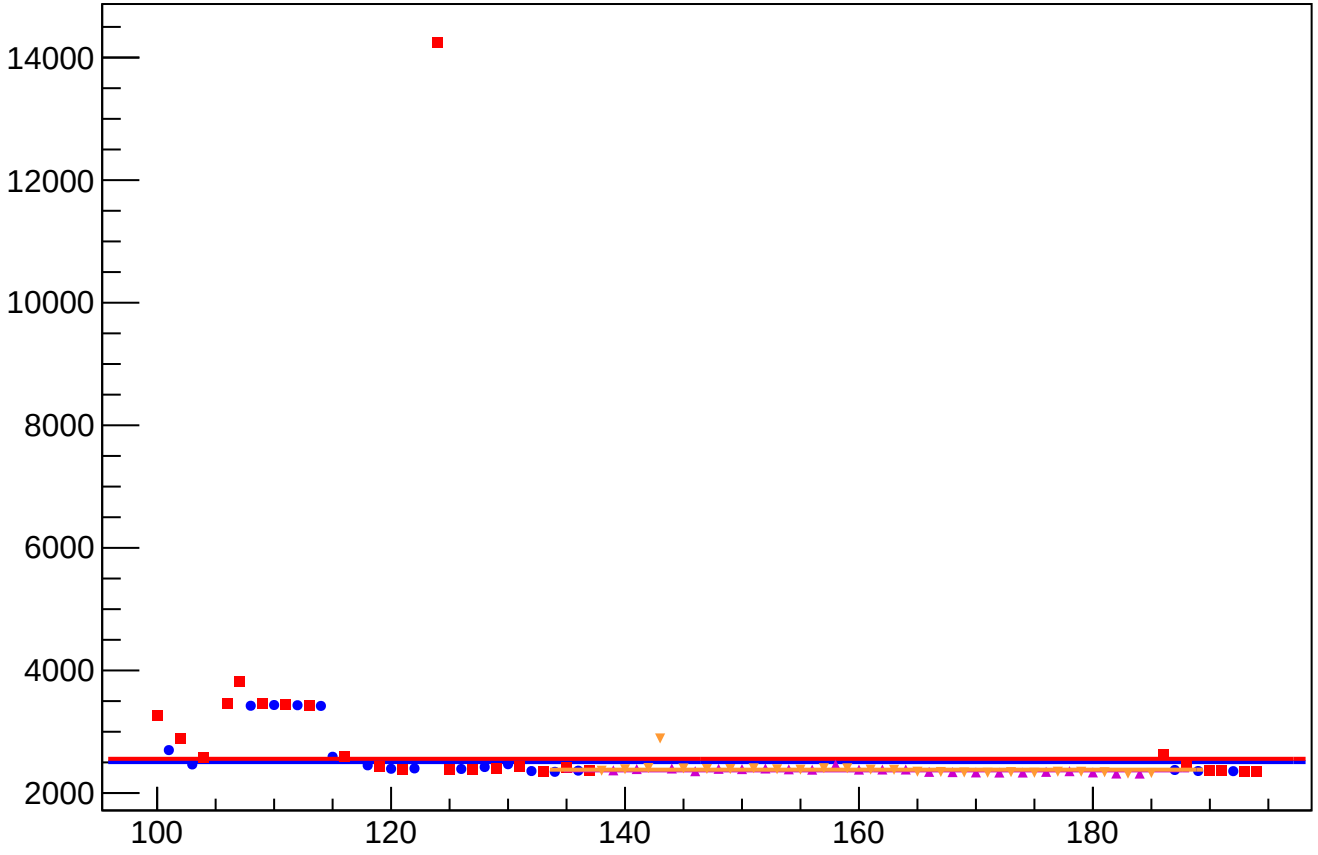
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1317.867+/-455.544 χ^2/NDF: 38.9/43

All: -211.062+/-320.395 χ^2/NDF: 111.6/91

- sign -1707.697+/-450.708 χ^2/NDF: 50.5/47

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: 2558.593+/-0.550 χ^2/NDF: 591290.2/24

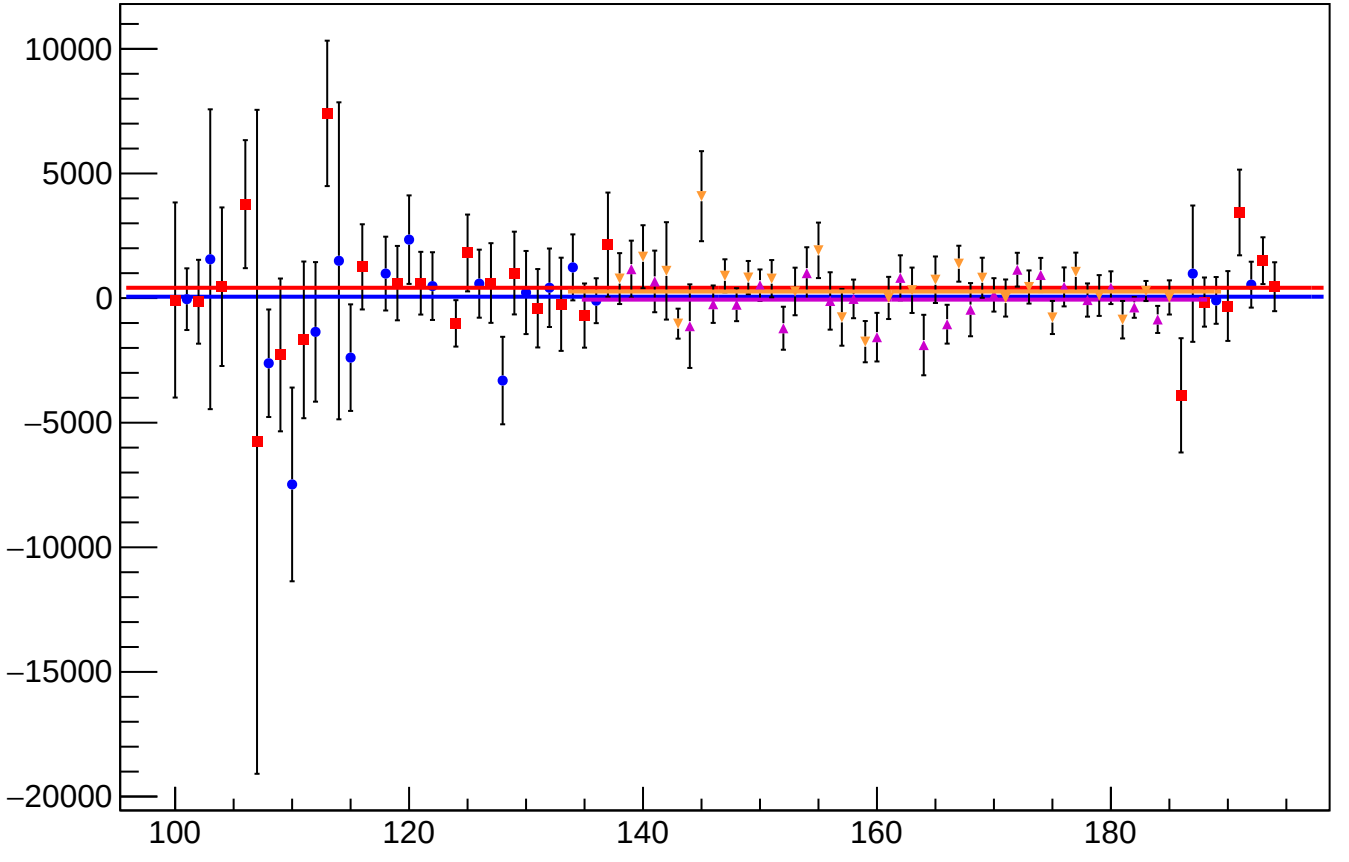
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2417.215+/-0.322 χ^2/NDF: 329753.4/43

All: 2425.204+/-0.227 χ^2/NDF: 1007972.9/91

- sign 2433.024+/-0.319 χ^2/NDF: 677002.2/47

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: 414.051+/-308.462 χ^2/NDF: 23.0/24

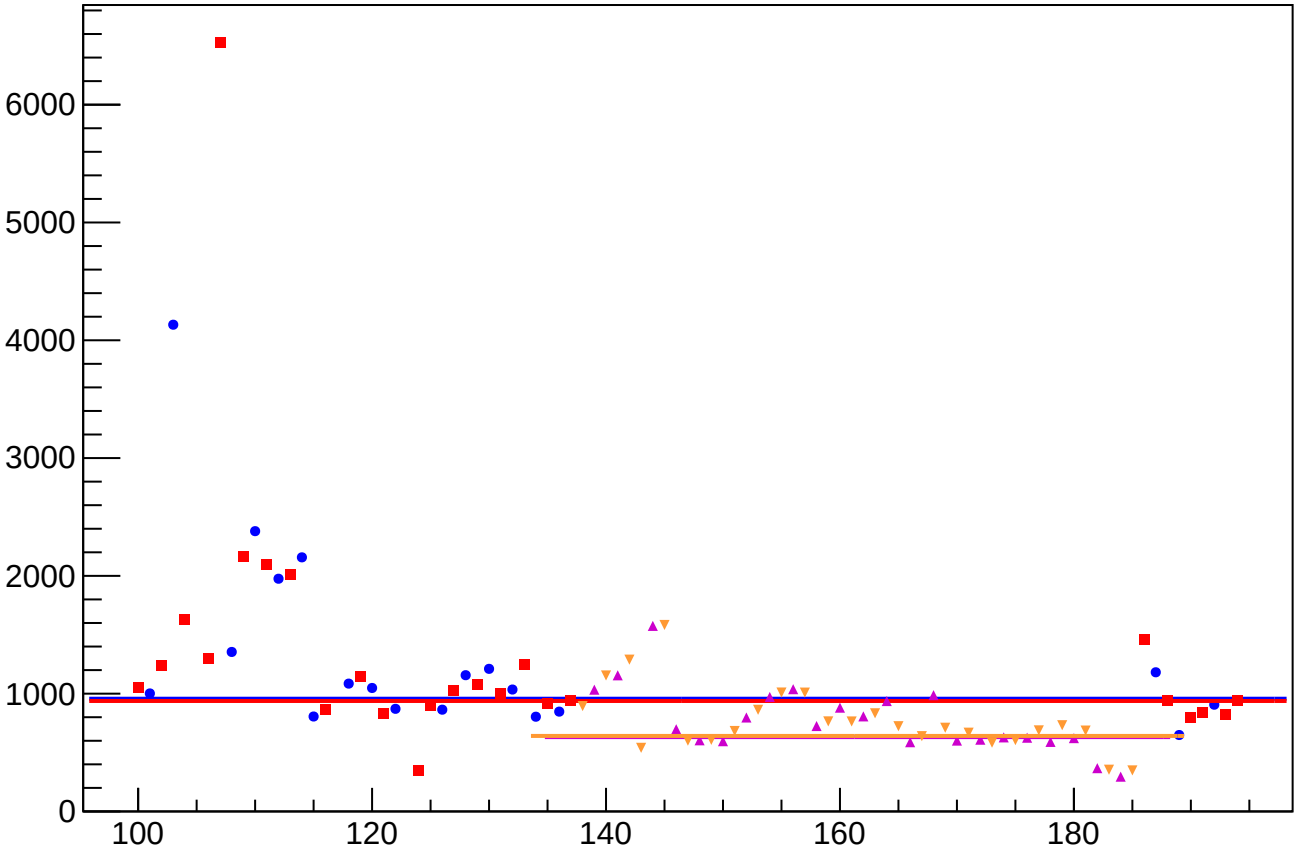
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

\+ sign 227.360+/-140.466 χ^2/NDF: 45.7/43

All: 131.676+/-99.229 χ^2/NDF: 93.5/91

\- sign 36.358+/-140.197 χ^2/NDF: 46.9/47

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: 937.955+/-0.218 χ^2/NDF: 2511331.2/24

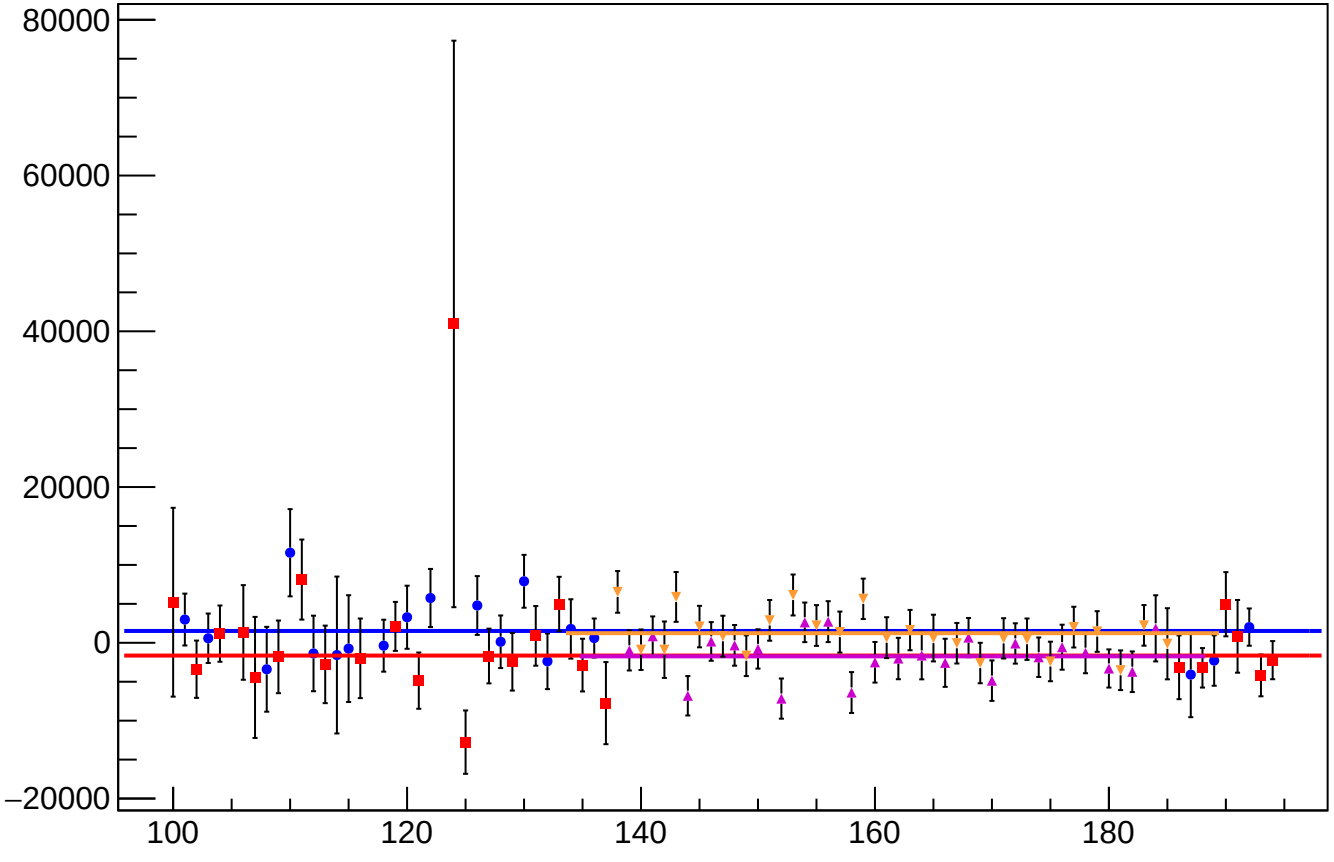
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 694.285+/-0.099 χ^2/NDF: 6536511.6/43

All: 694.425+/-0.070 χ^2/NDF: 14592783.4/91

- sign 694.564+/-0.099 χ^2/NDF: 8056267.8/47

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: -1640.439+/-777.143 χ^2/NDF: 26.1/24

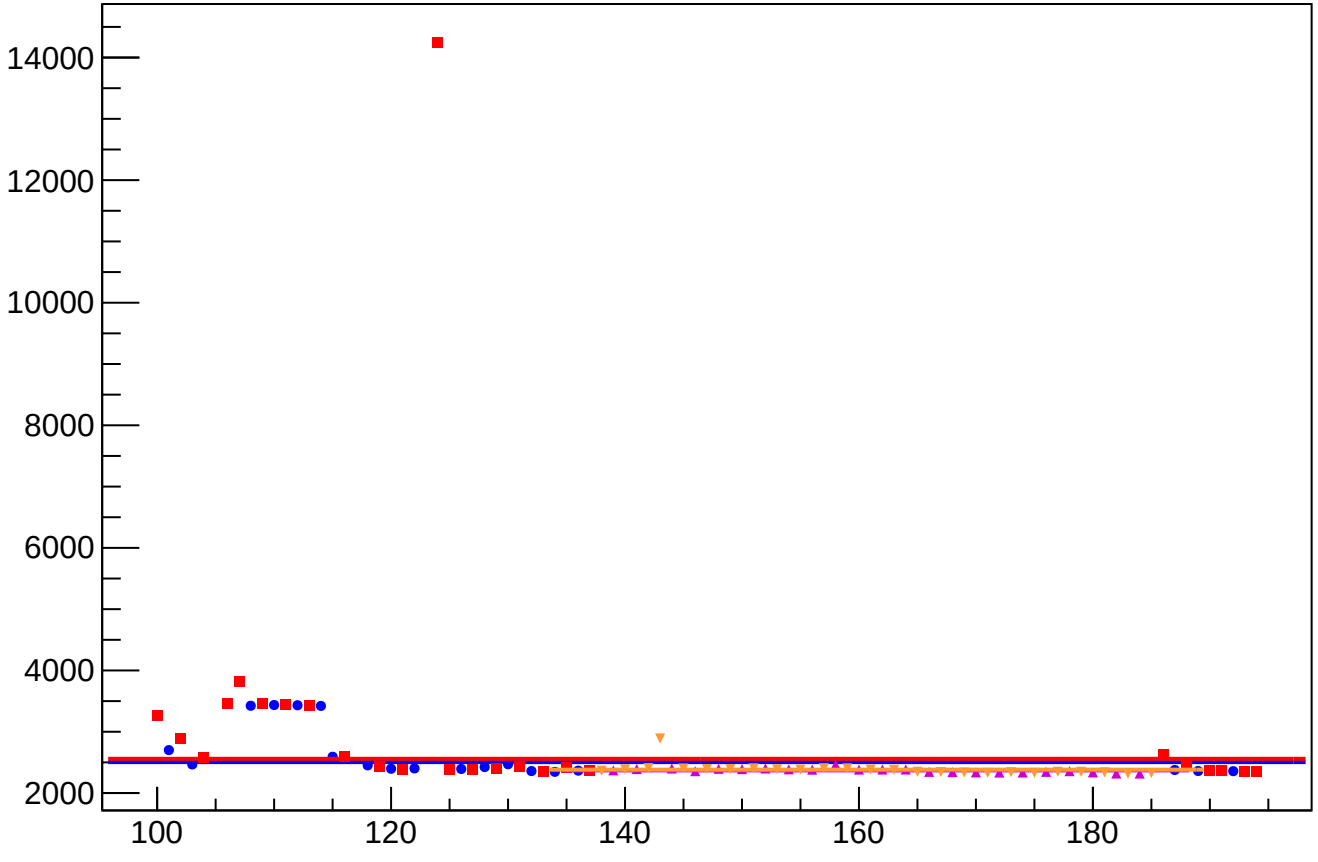
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1317.867+/-455.544 χ^2/NDF: 38.9/43

All: -211.062+/-320.395 χ^2/NDF: 111.6/91

- sign -1707.697+/-450.708 χ^2/NDF: 50.5/47

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: 2558.593+/-0.550 χ^2/NDF: 591290.2/24

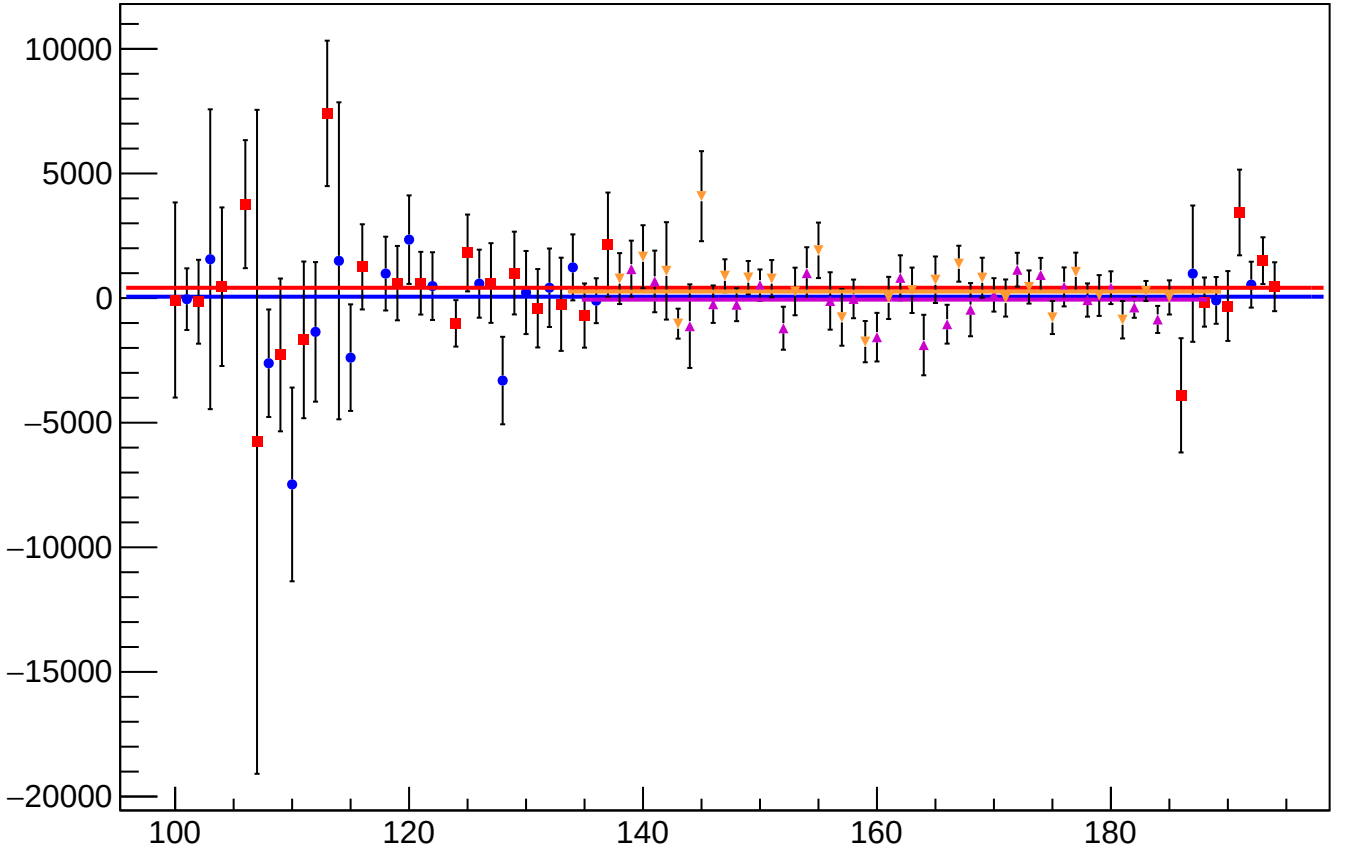
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2417.215+/-0.322 χ^2/NDF: 329753.4/43

All: 2425.204+/-0.227 χ^2/NDF: 1007972.9/91

- sign 2433.024+/-0.319 χ^2/NDF: 677002.2/47

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: 414.051+/-308.462 χ^2/NDF: 23.0/24

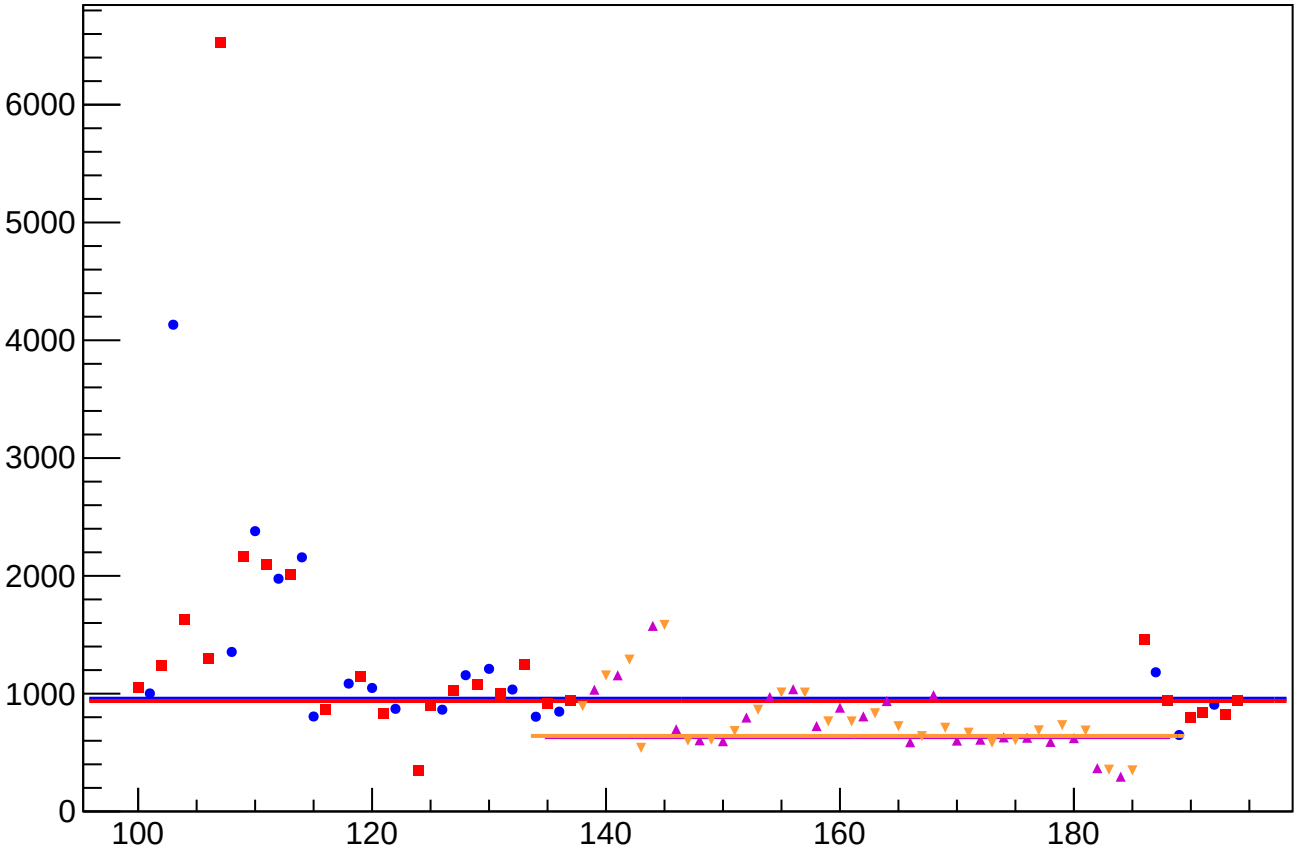
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

\+ sign 227.360+/-140.466 χ^2/NDF: 45.7/43

All: 131.676+/-99.229 χ^2/NDF: 93.5/91

\- sign 36.358+/-140.197 χ^2/NDF: 46.9/47

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: 937.955+/-0.218 χ^2/NDF: 2511331.2/24

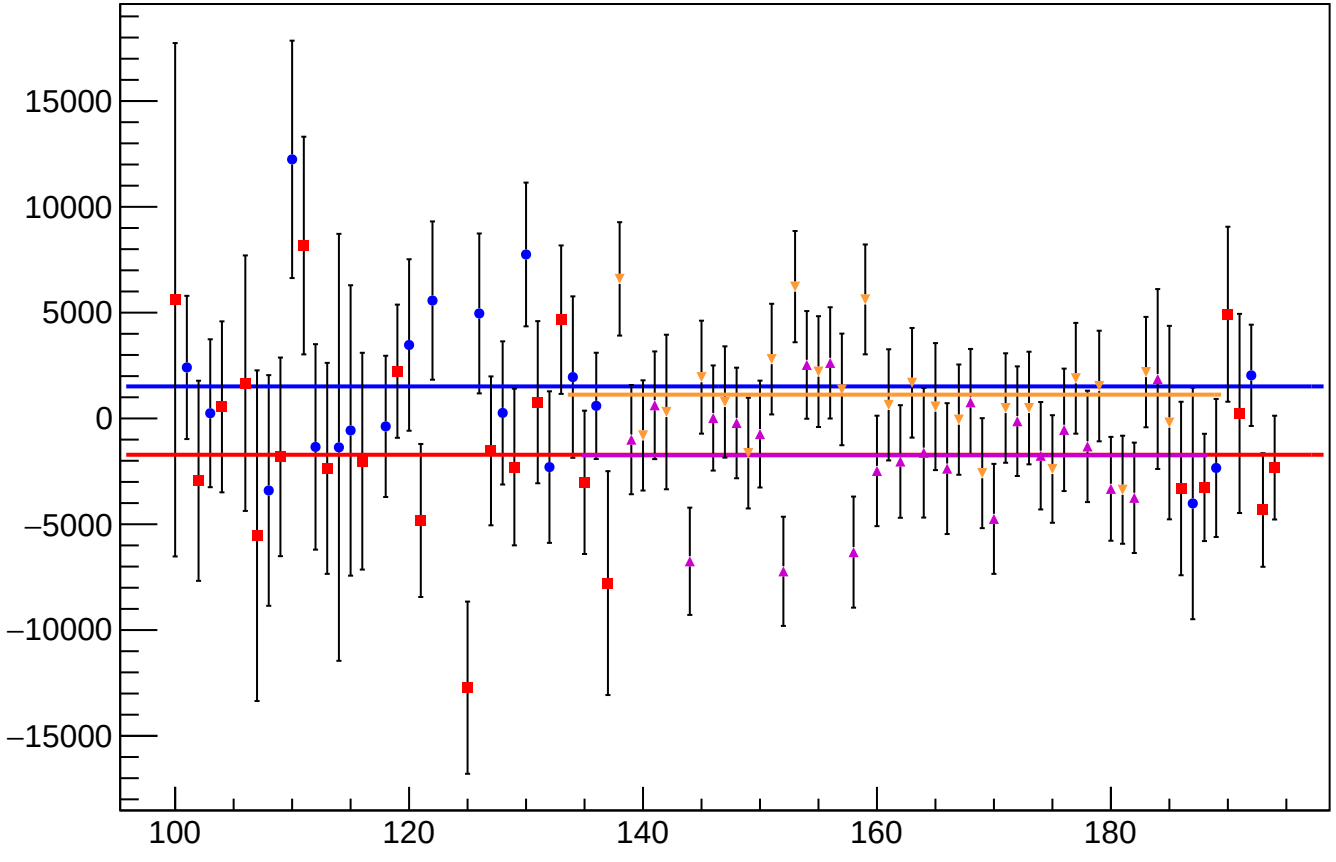
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 694.285+/-0.099 χ^2/NDF: 6536511.6/43

All: 694.425+/-0.070 χ^2/NDF: 14592783.4/91

- sign 694.564+/-0.099 χ^2/NDF: 8056267.8/47

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: -1715.353+/-789.117 χ^2/NDF: 24.1/23

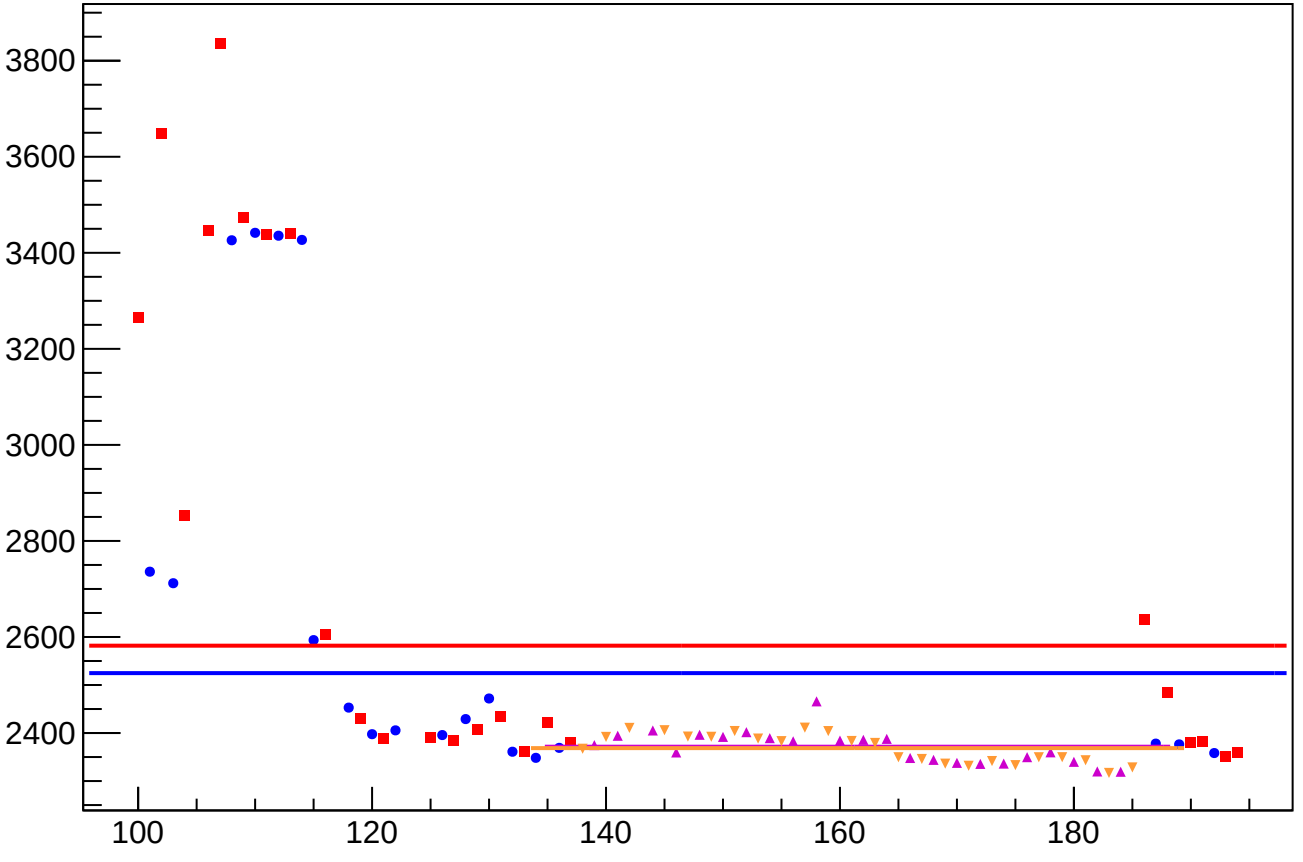
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1240.084+/-461.774 χ^2/NDF: 36.4/42

All: -274.254+/-323.480 χ^2/NDF: 105.4/89

- sign -1733.412+/-453.283 χ^2/NDF: 47.9/46

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: 2581.892+/-0.558 χ^2/NDF: 483452.7/23

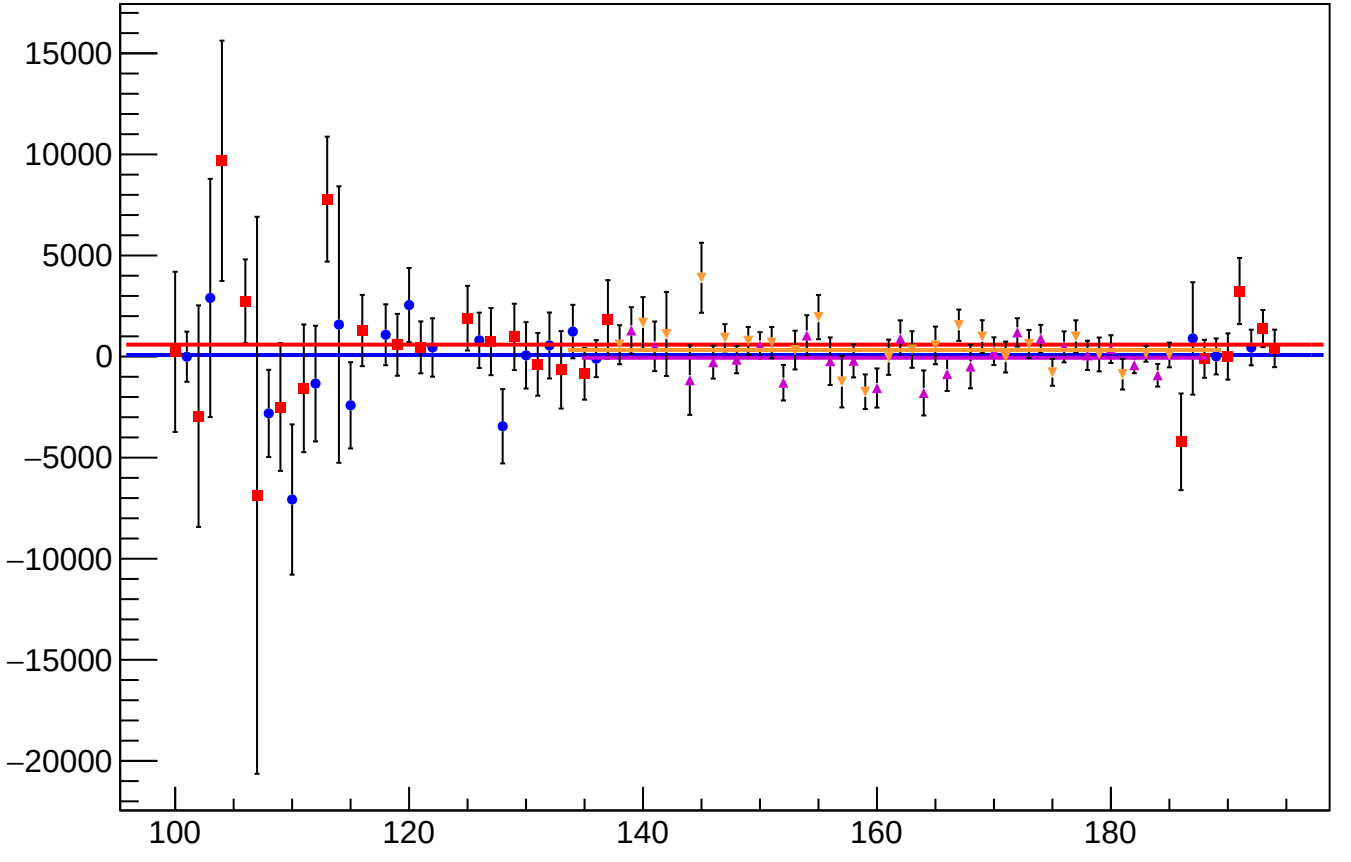
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2414.591+/-0.327 χ^2/NDF: 302119.8/42

All: 2428.006+/-0.229 χ^2/NDF: 891183.2/89

- sign 2440.932+/-0.321 χ^2/NDF: 585749.1/46

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: 589.574+/-324.248 χ^2/NDF: 22.7/23

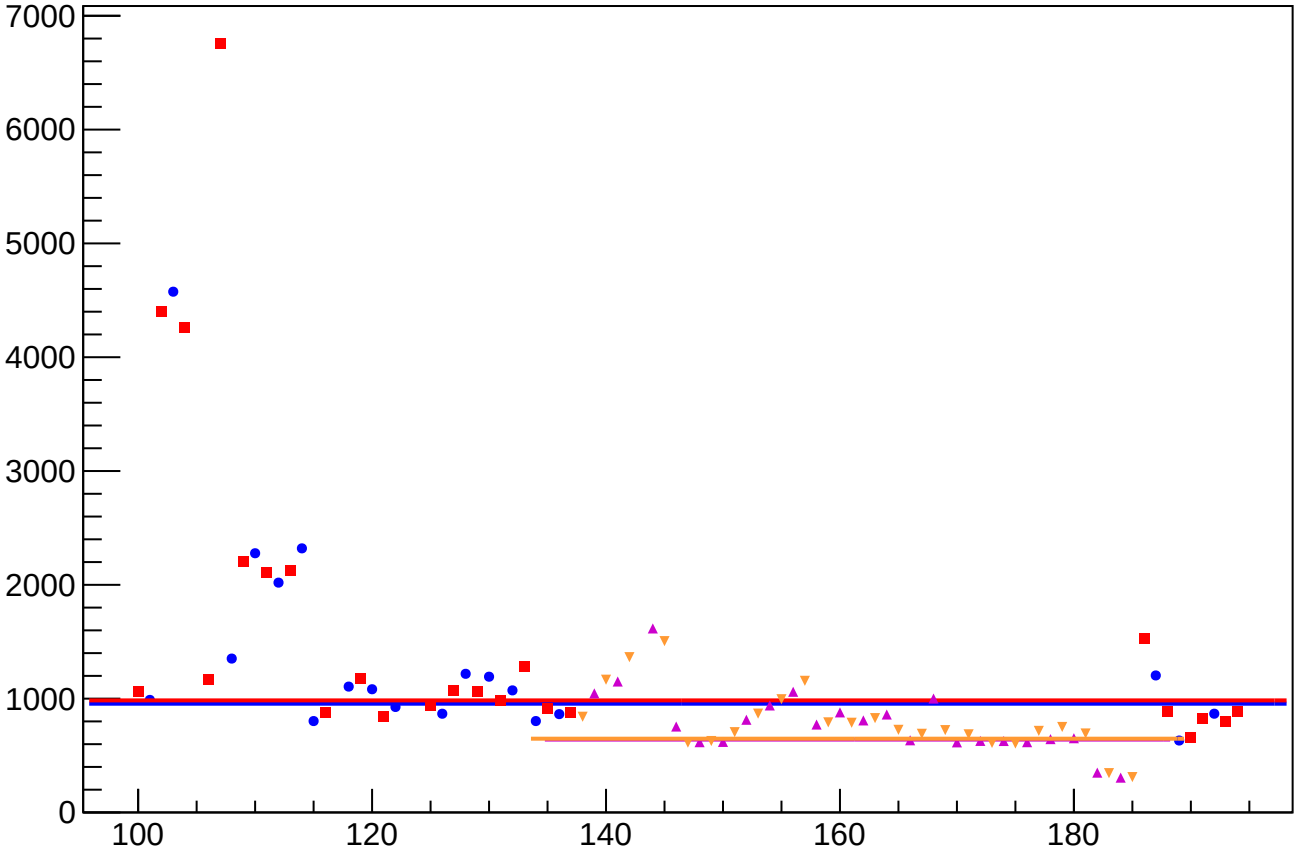
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

\+ sign 281.404+/-144.934 χ^2/NDF: 42.0/42

All: 172.984+/-101.881 χ^2/NDF: 91.8/89

\- sign 67.079+/-143.244 χ^2/NDF: 48.6/46

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: 984.670+/-0.229 χ^2/NDF: 3124026.5/23

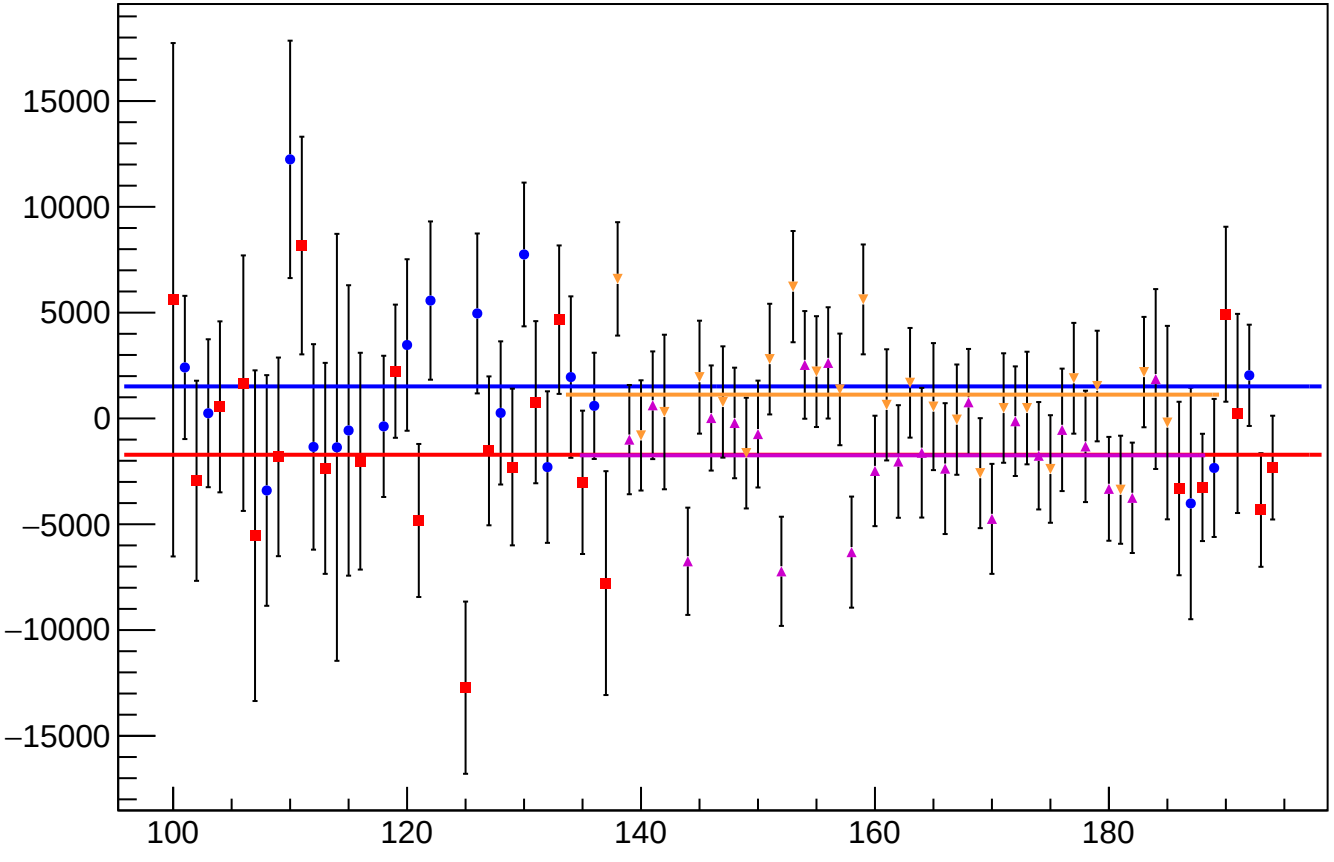
Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 703.411+/-0.102 χ^2/NDF: 7136489.2/42

All: 705.533+/-0.072 χ^2/NDF: 16204489.1/89

- sign 707.606+/-0.101 χ^2/NDF: 9067152.5/46

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: -1715.351+/-789.117 χ^2/NDF: 24.1/23

Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1240.084+/-461.774 χ^2/NDF: 36.4/42

All: -274.254+/-323.480 χ^2/NDF: 105.4/89

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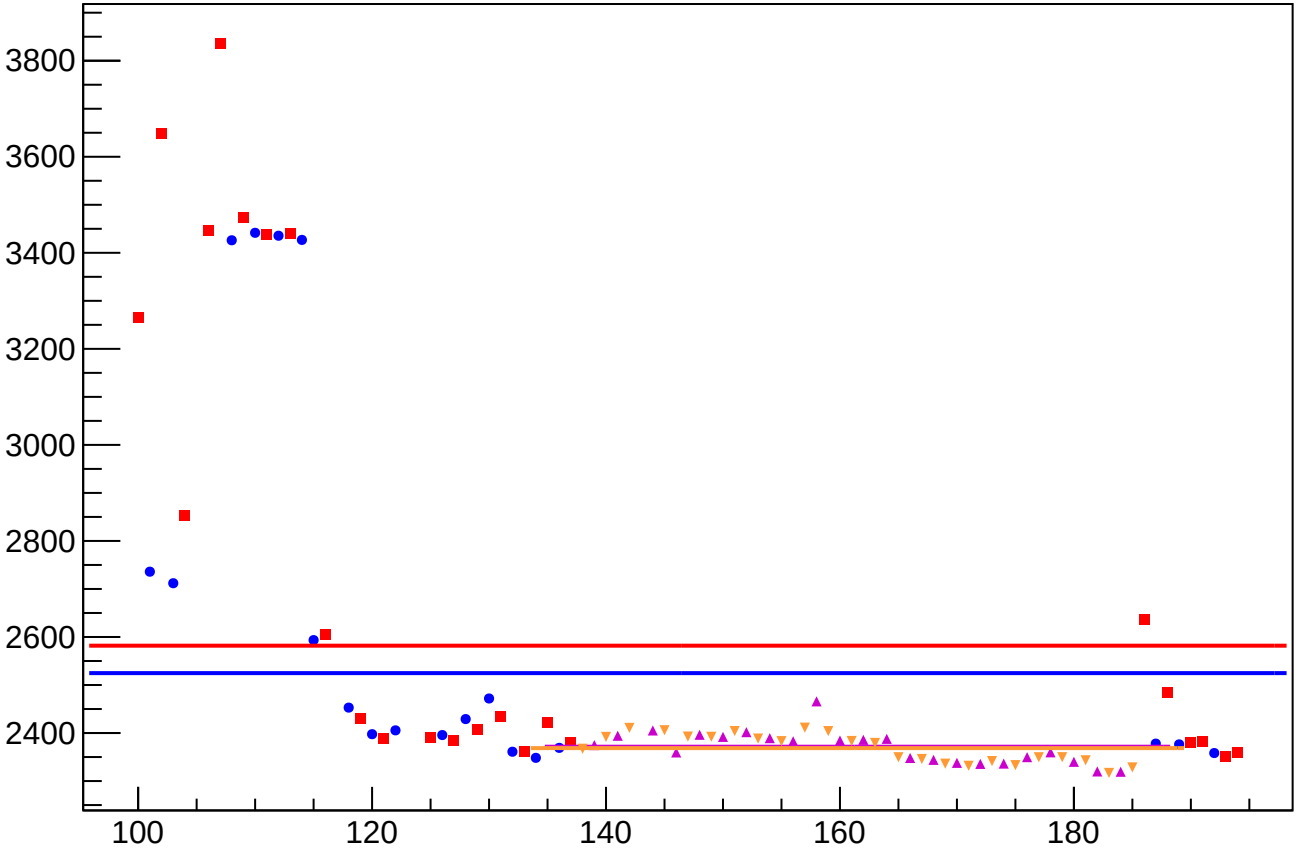
eigen_dit_asym_atl1_rms vs Slug



Right In: 2524.753+/-0.602 χ^2/NDF: 248996.3/18

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2581.891+/-0.558 χ^2/NDF: 483451.9/23

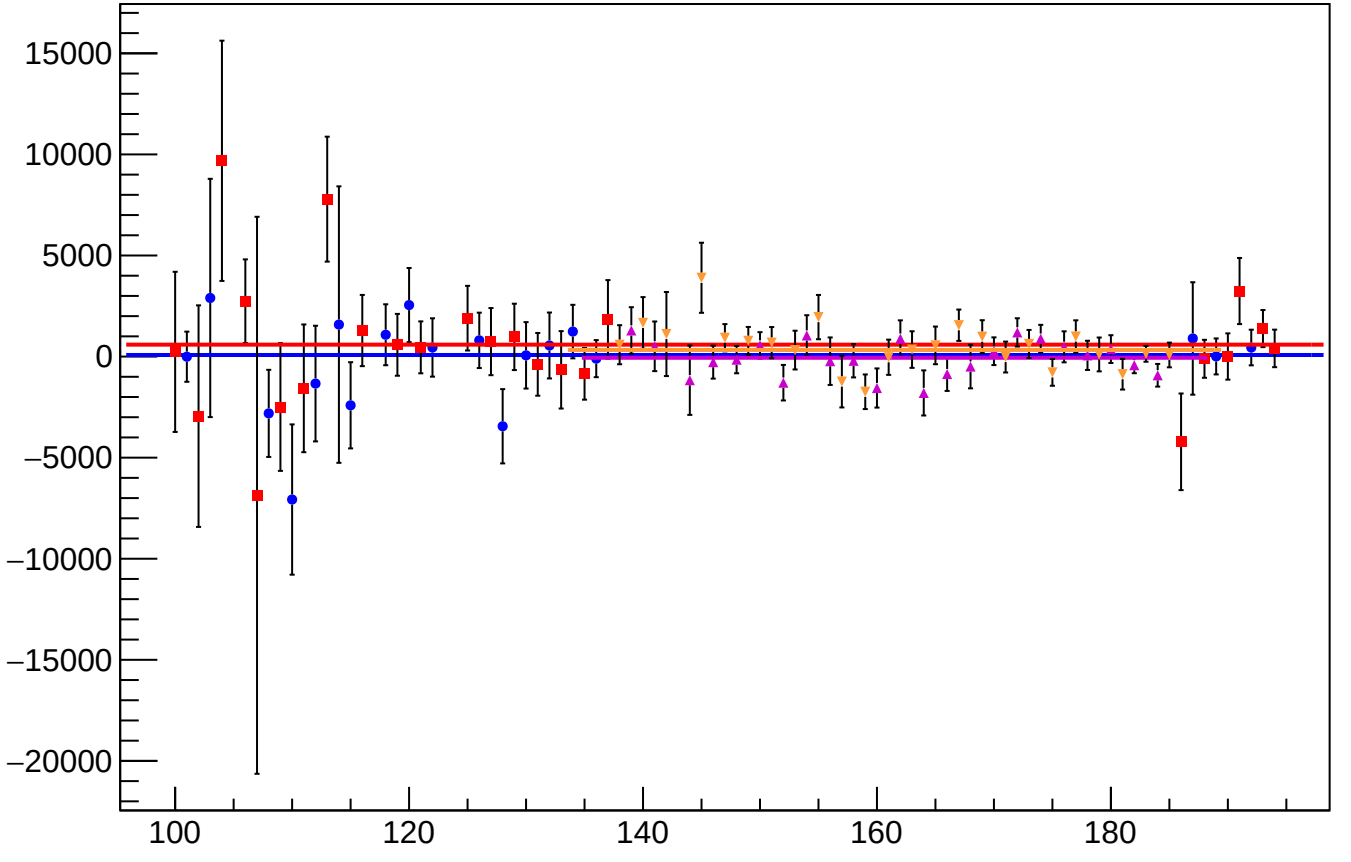
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

\+ sign 2414.591+/-0.327 χ^2/NDF: 302119.3/42

All: 2428.006+/-0.229 χ^2/NDF: 891181.8/89

\- sign 2440.932+/-0.321 χ^2/NDF: 585748.1/46

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: 589.574+/-324.248 χ^2/NDF: 22.7/23

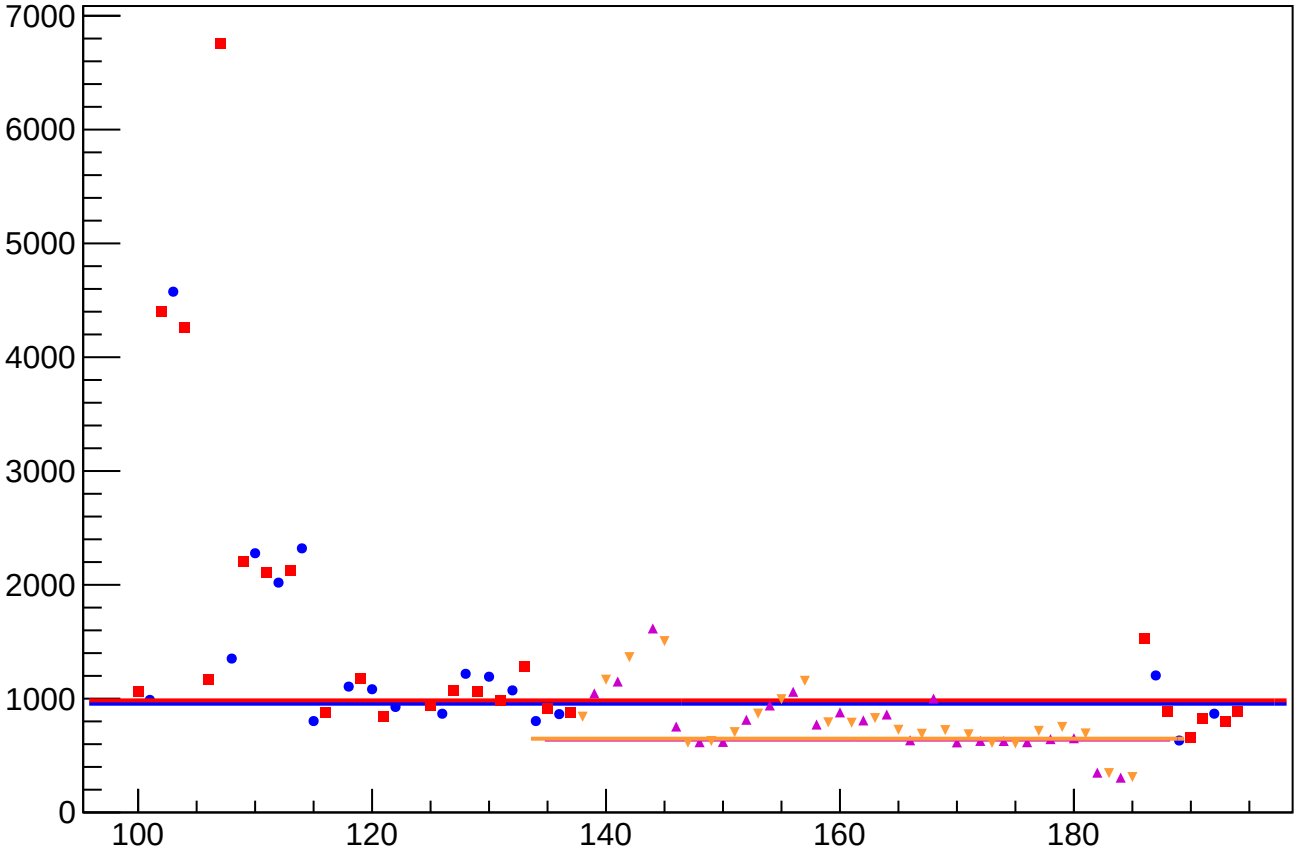
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

\+ sign 281.404+/-144.935 χ^2/NDF: 42.0/42

All: 172.984+/-101.881 χ^2/NDF: 91.8/89

\- sign 67.079+/-143.244 χ^2/NDF: 48.6/46

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: 984.669+/-0.229 χ^2/NDF: 3124026.7/23

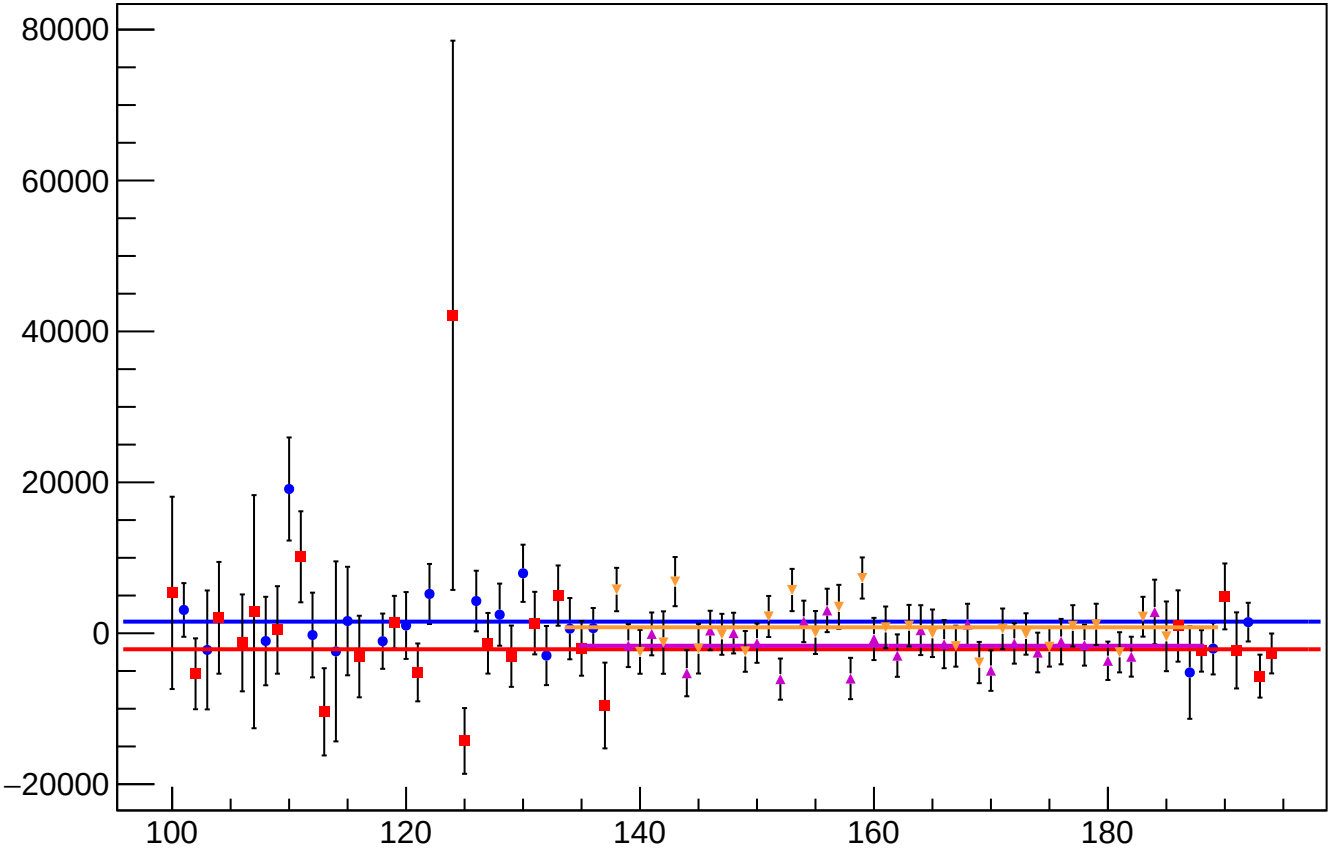
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 703.412+/-0.102 χ^2/NDF: 7136489.4/42

All: 705.534+/-0.072 χ^2/NDF: 16204491.1/89

- sign 707.607+/-0.101 χ^2/NDF: 9067154.2/46

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: -2121.848+/-873.765 χ^2/NDF: 28.9/24

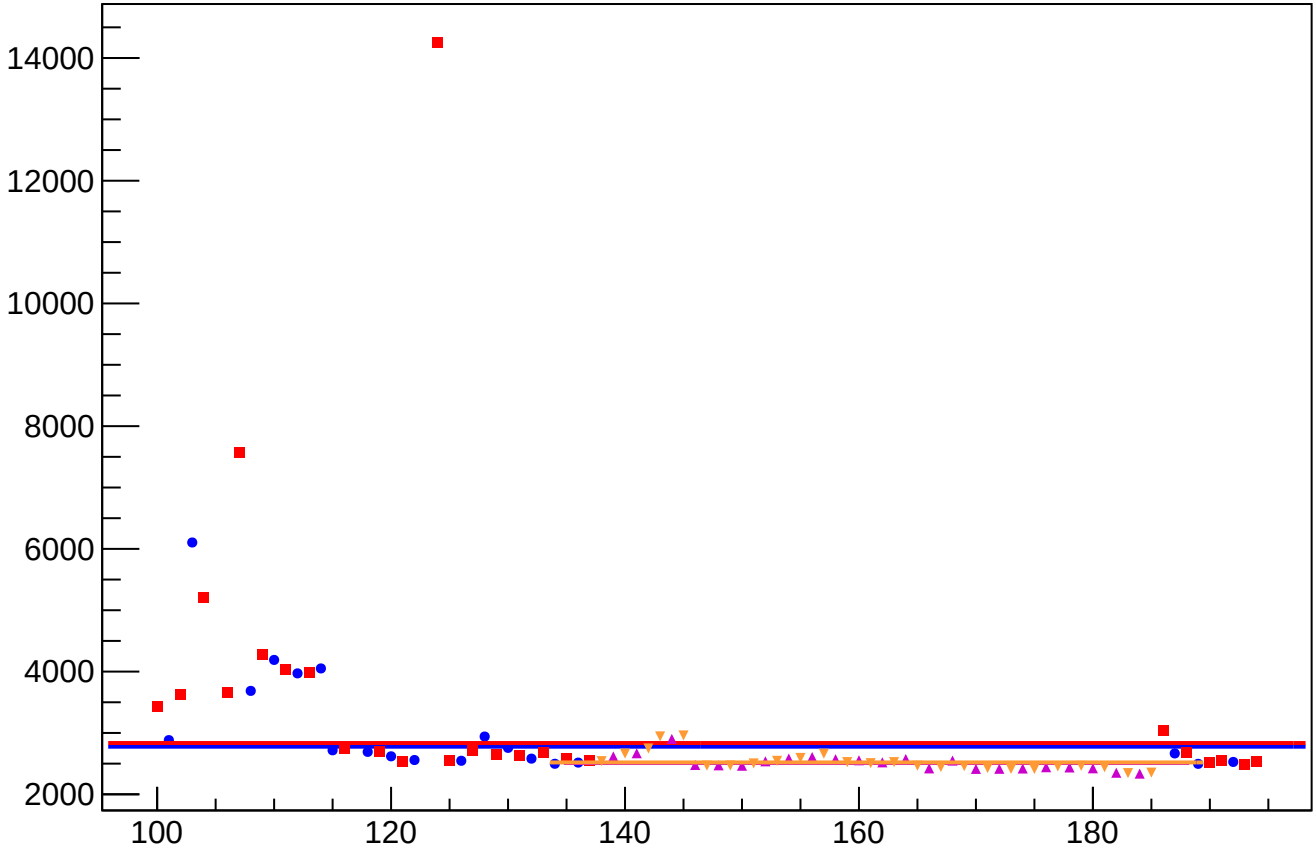
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 992.543+/-490.498 χ^2/NDF: 43.5/43

All: -413.291+/-345.634 χ^2/NDF: 106.3/91

- sign -1799.840+/-487.122 χ^2/NDF: 46.5/47

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: 2835.922+/-0.618 χ^2/NDF: 1099548.1/24

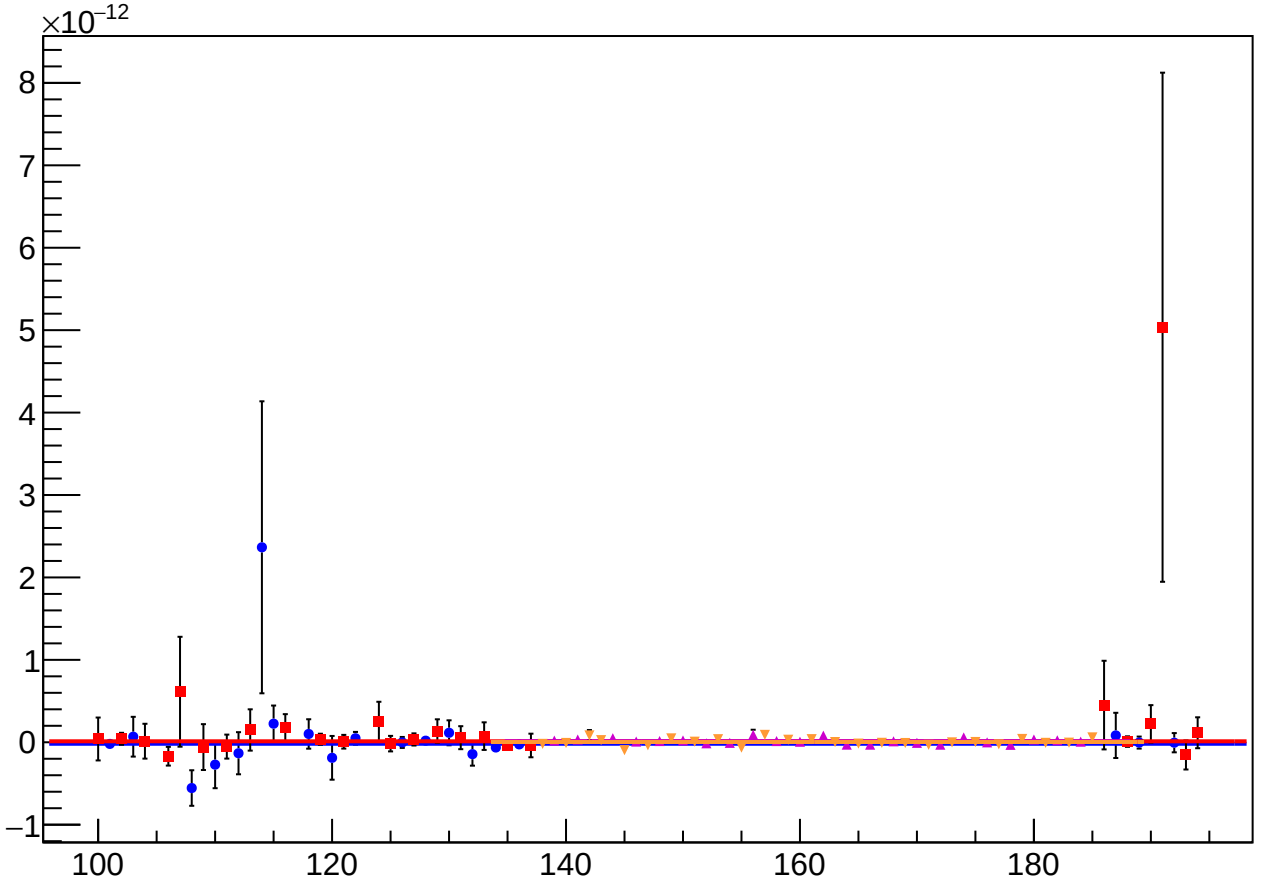
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2588.309+/-0.347 χ^2/NDF: 913974.1/43

All: 2599.937+/-0.244 χ^2/NDF: 2281126.0/91

- sign 2611.405+/-0.344 χ^2/NDF: 1364919.5/47

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

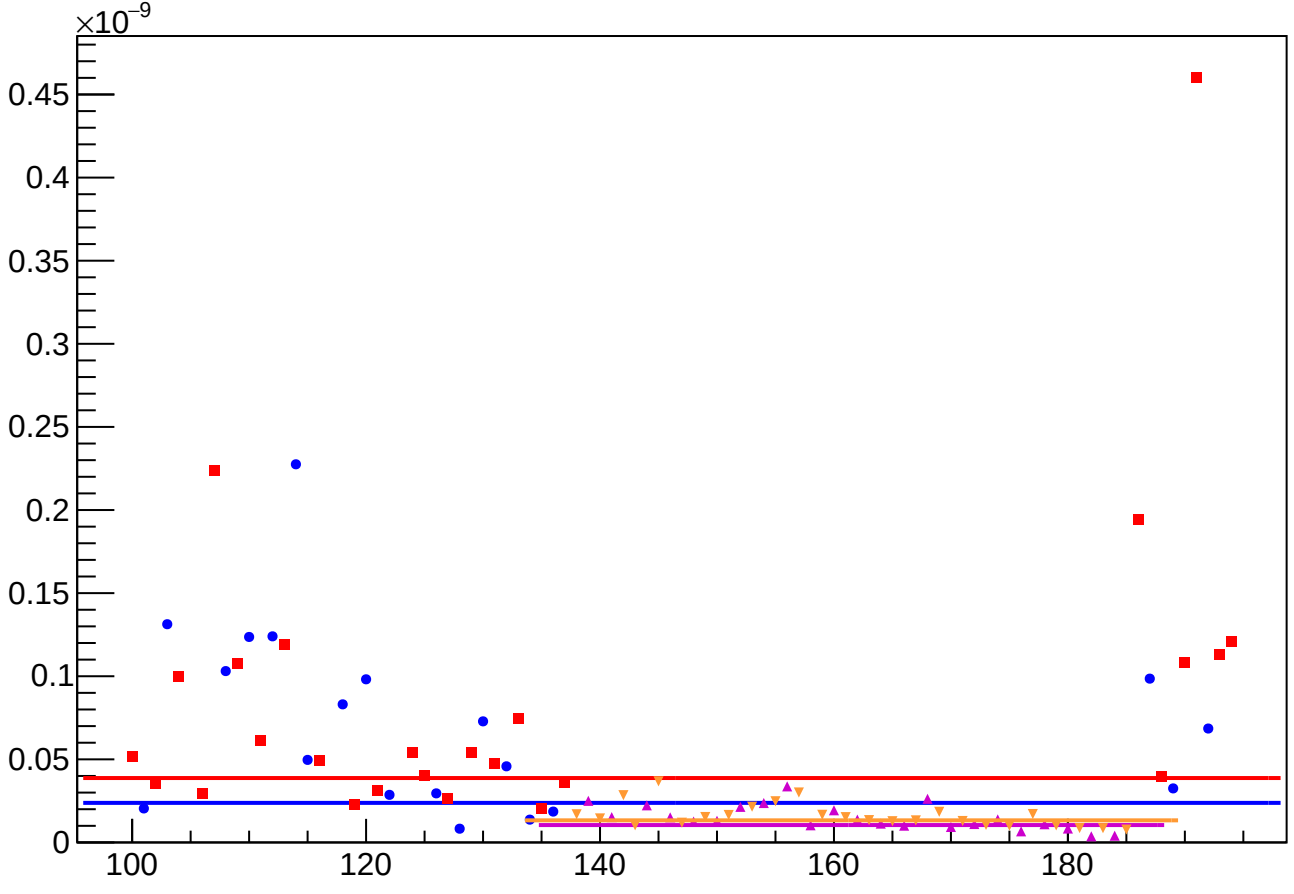
Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/24

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: 94.7/91

- sign 0.000+/-0.000 χ^2/NDF: 46.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 2835639.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2427244.0/24

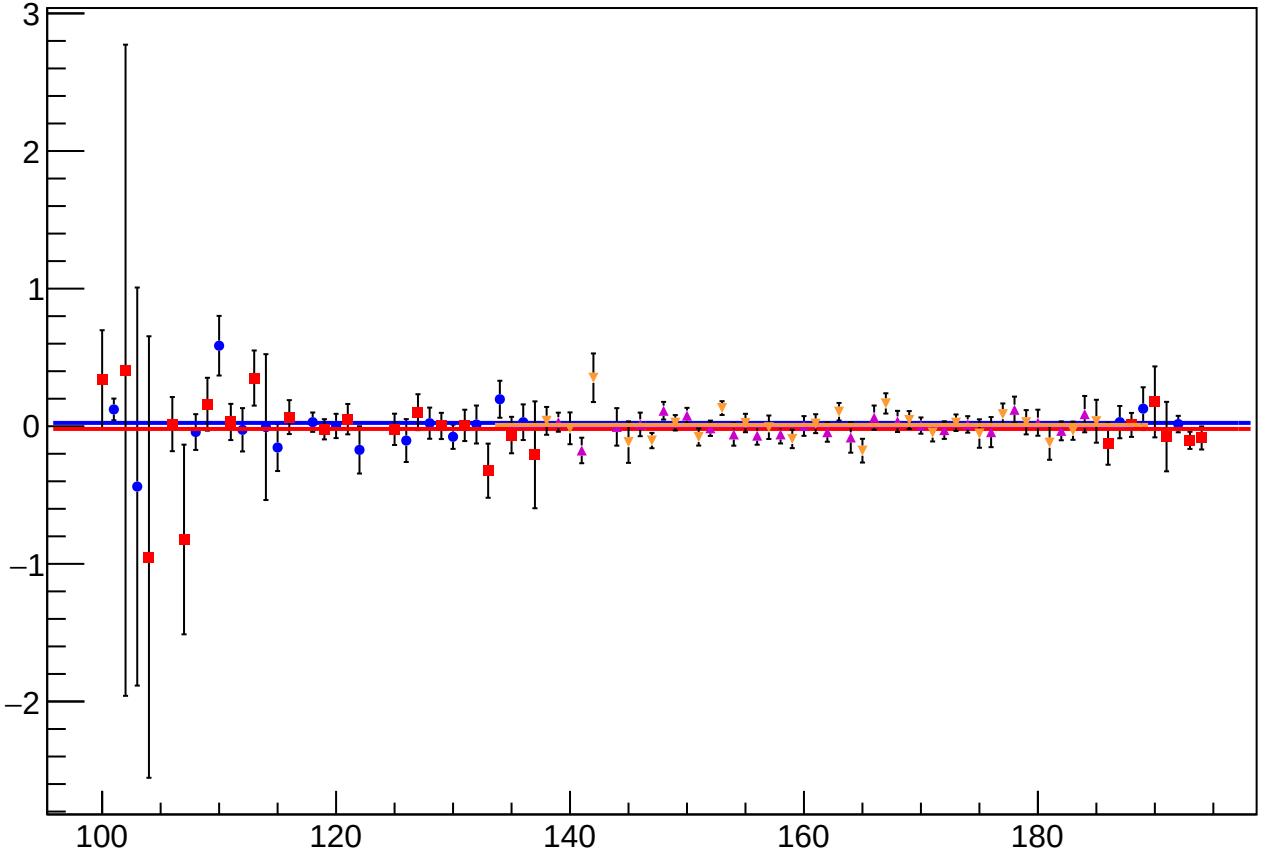
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5045850.4/43

All: 0.000+/-0.000 χ^2/NDF: 13632913.1/91

- sign 0.000+/-0.000 χ^2/NDF: 8309454.9/47

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: -0.020+/-0.026 χ^2/NDF: 15.4/23

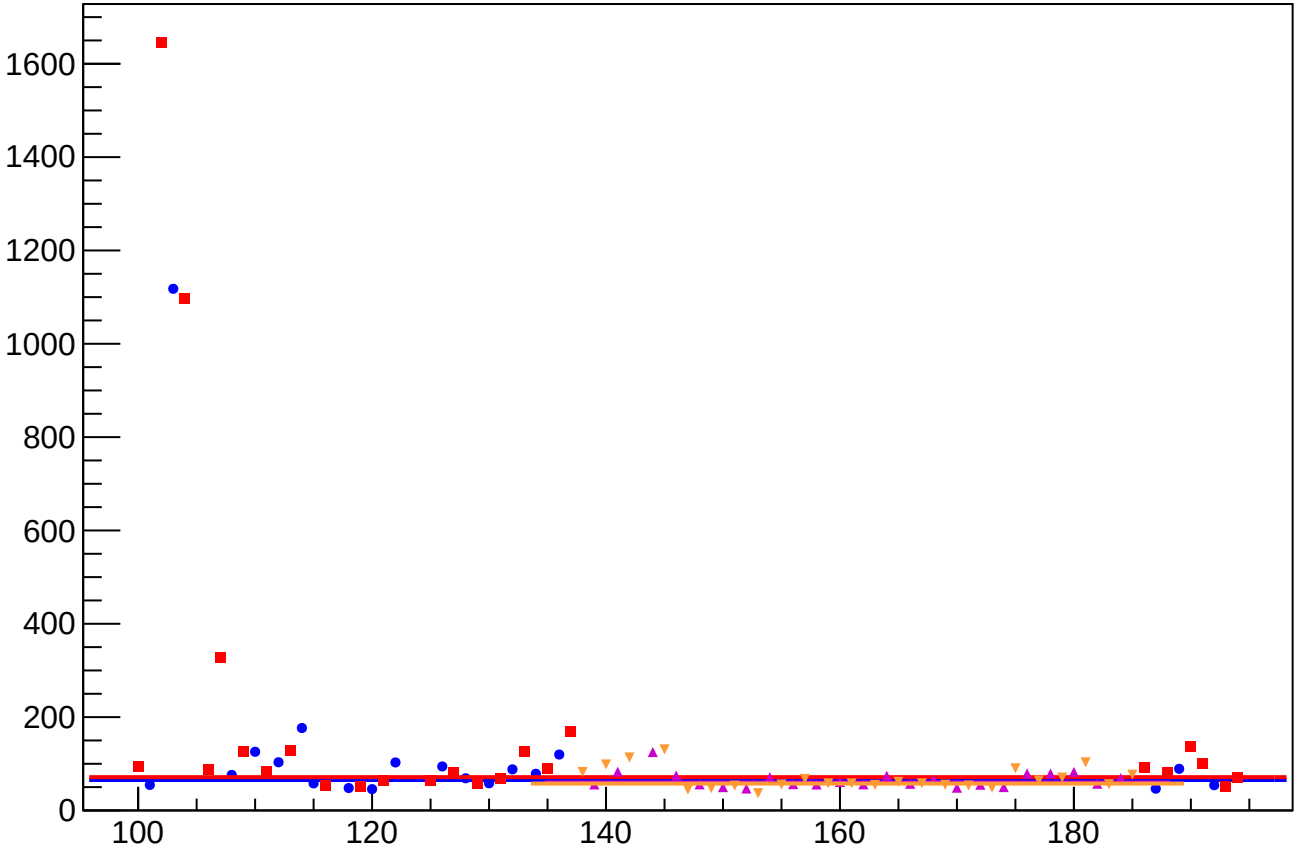
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/42

All: 0.004+/-0.009 χ^2/NDF: 82.6/89

- sign -0.005+/-0.013 χ^2/NDF: 31.5/46

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: 71.349+/-0.018 χ^2/NDF: 3356733.4/23

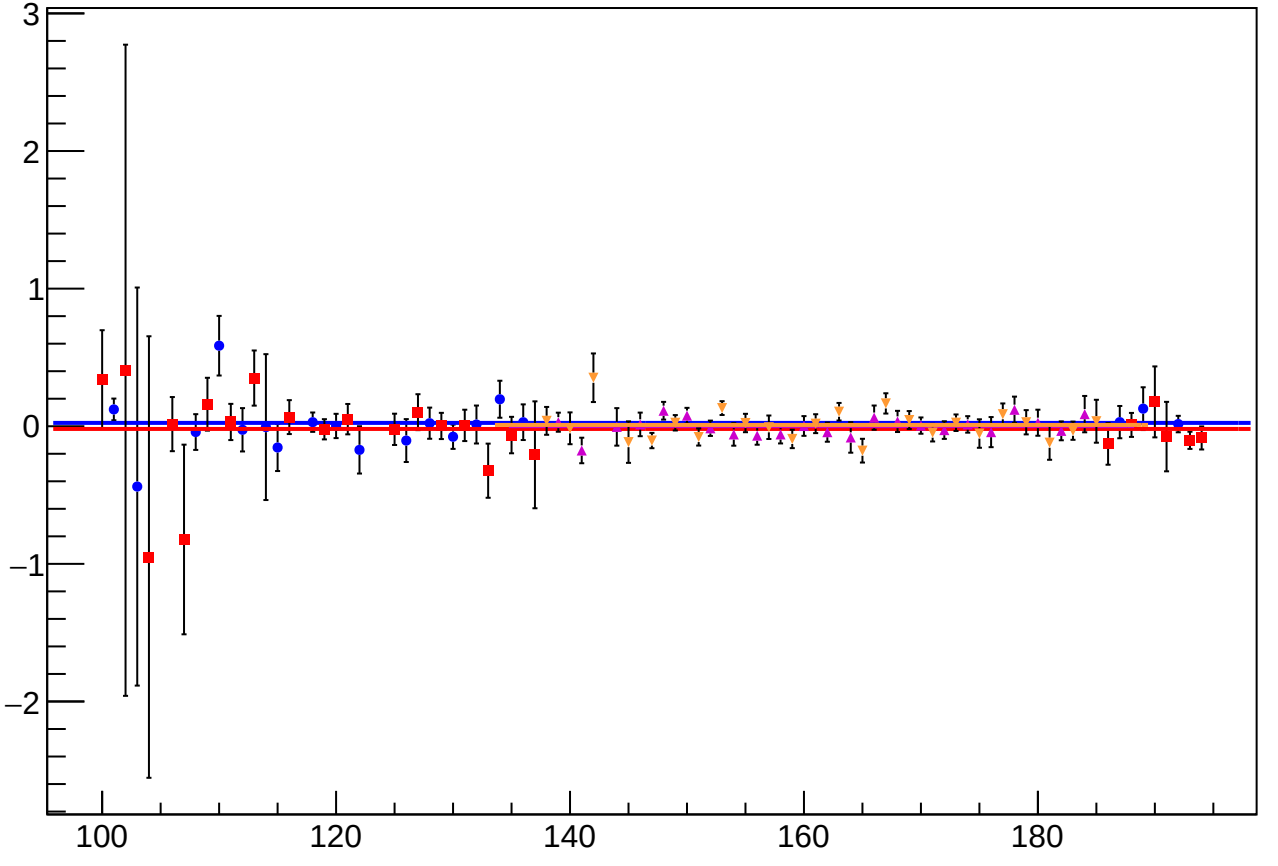
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.557+/-0.009 χ^2/NDF: 4810971.0/42

All: 61.185+/-0.007 χ^2/NDF: 9864456.3/89

- sign 62.875+/-0.009 χ^2/NDF: 4989972.4/46

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: -0.020+/-0.026 χ^2/NDF: 15.4/23

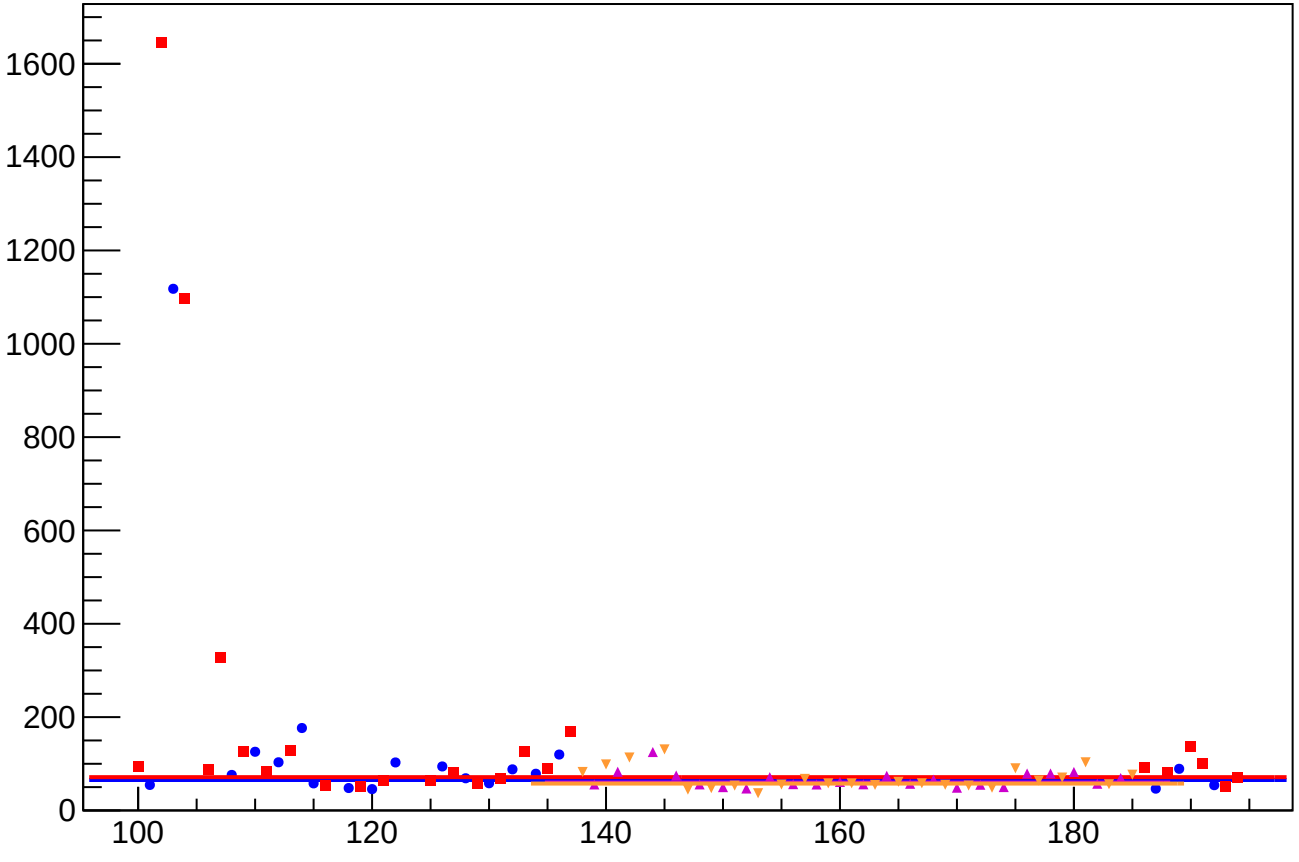
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/42

All: 0.004+/-0.009 χ^2/NDF: 82.6/89

- sign -0.005+/-0.013 χ^2/NDF: 31.5/46

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: 71.349+/-0.018 χ^2/NDF: 3356733.4/23

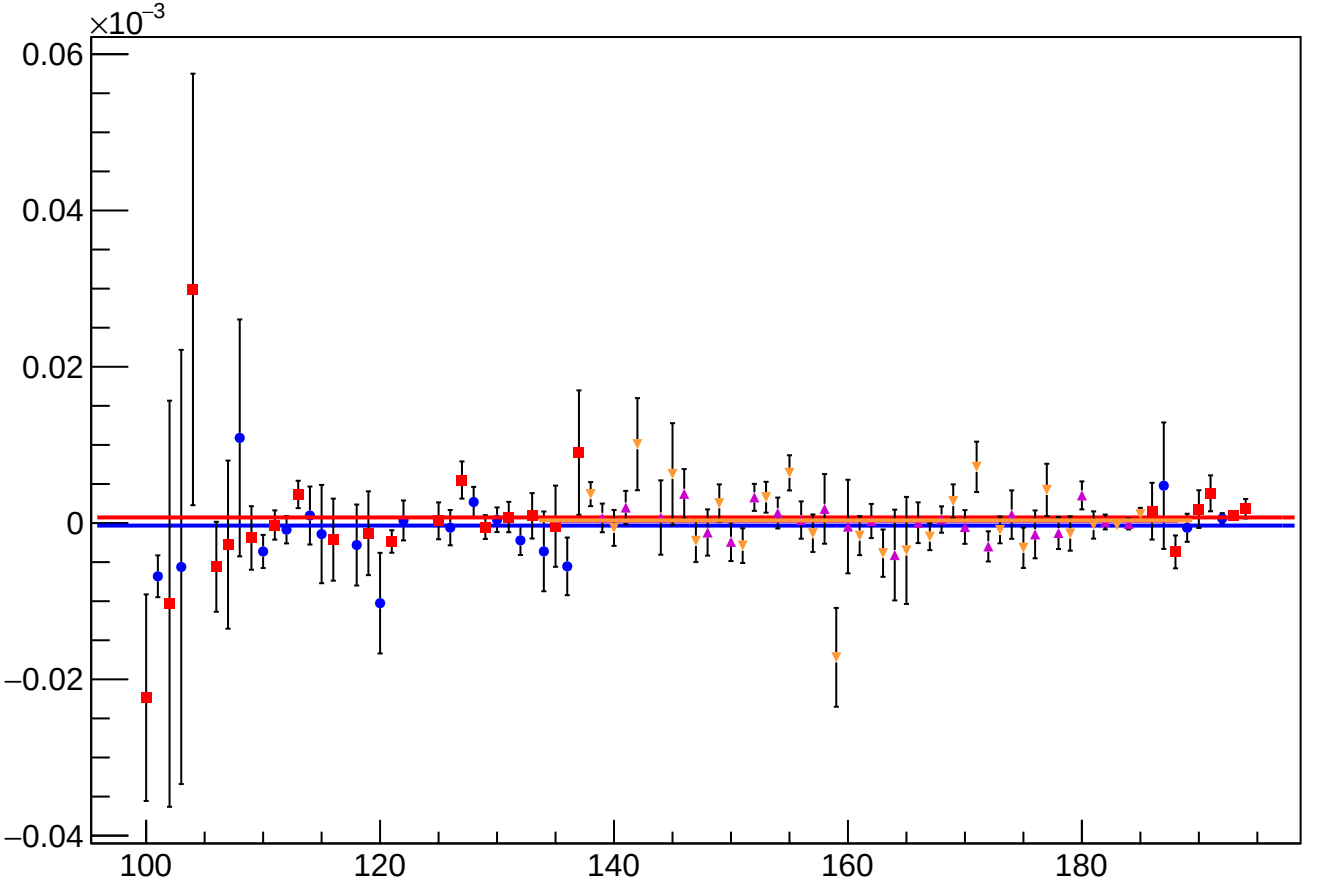
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.557+/-0.009 χ^2/NDF: 4810971.0/42

All: 61.185+/-0.007 χ^2/NDF: 9864456.3/89

- sign 62.875+/-0.009 χ^2/NDF: 4989972.4/46

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: 27.4/23

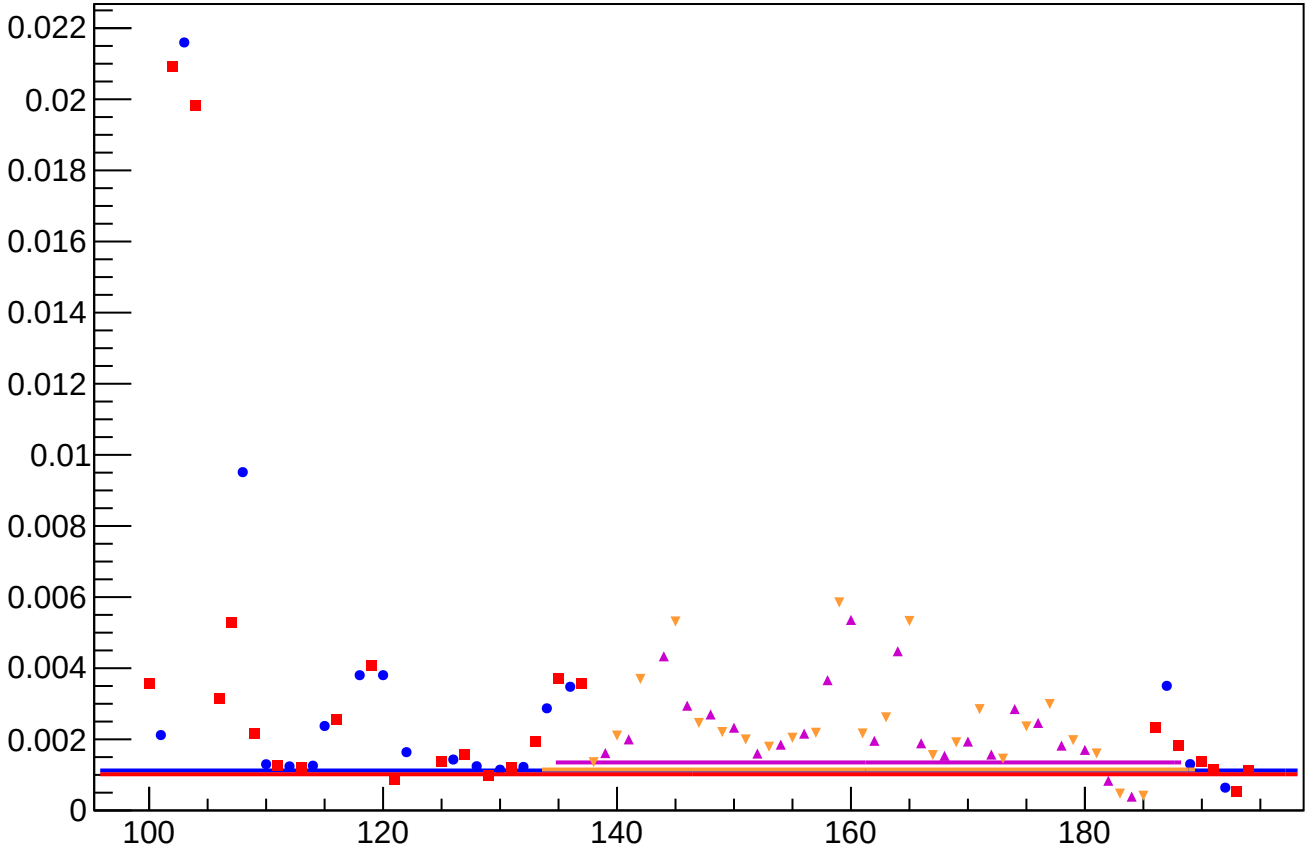
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.2/42

All: 0.000+/-0.000 χ^2/NDF: 112.2/89

- sign 0.000+/-0.000 χ^2/NDF: 42.9/46

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: 6886790.6/23

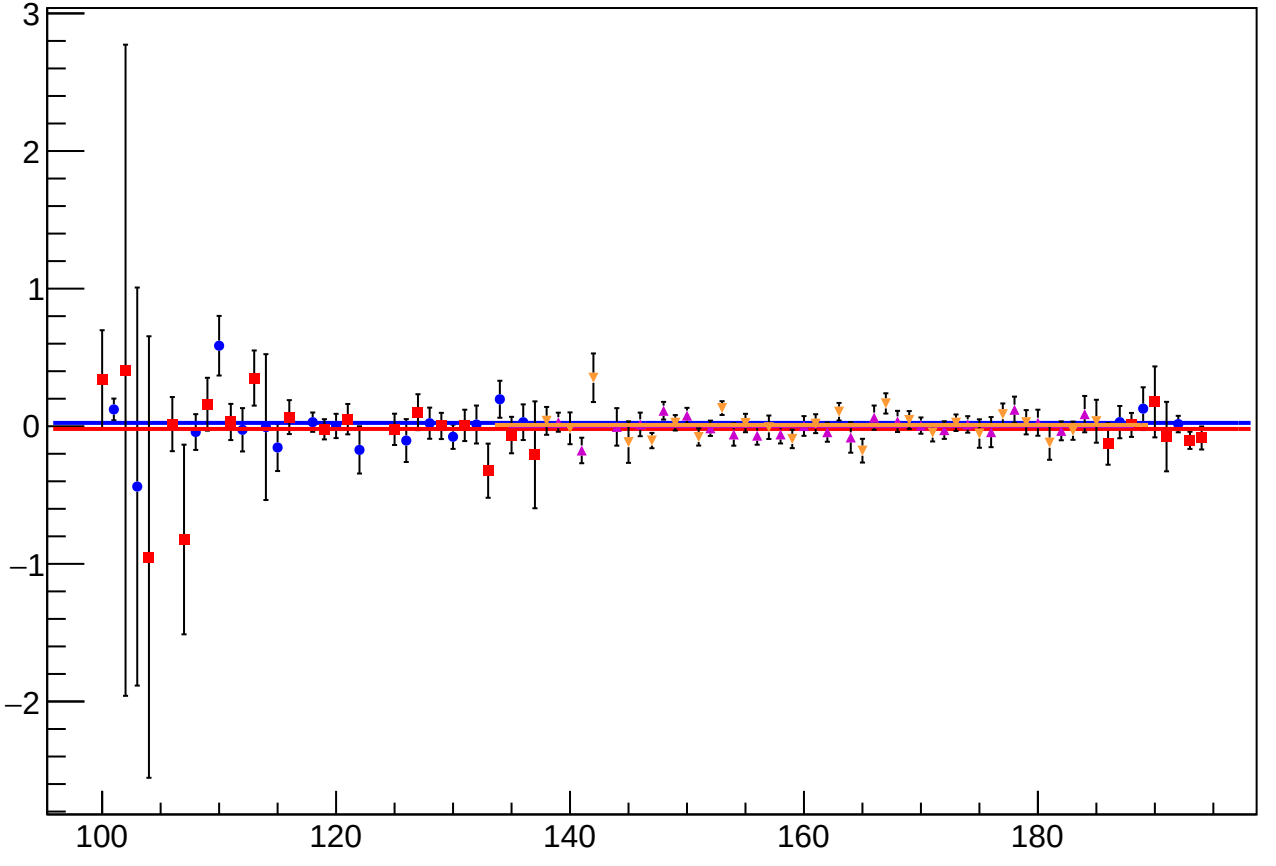
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 18575461.6/42

All: 0.001+/-0.000 χ^2/NDF: 36481559.1/89

- sign 0.001+/-0.000 χ^2/NDF: 17877418.0/46

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: -0.020+/-0.026 χ^2/NDF: 15.4/23

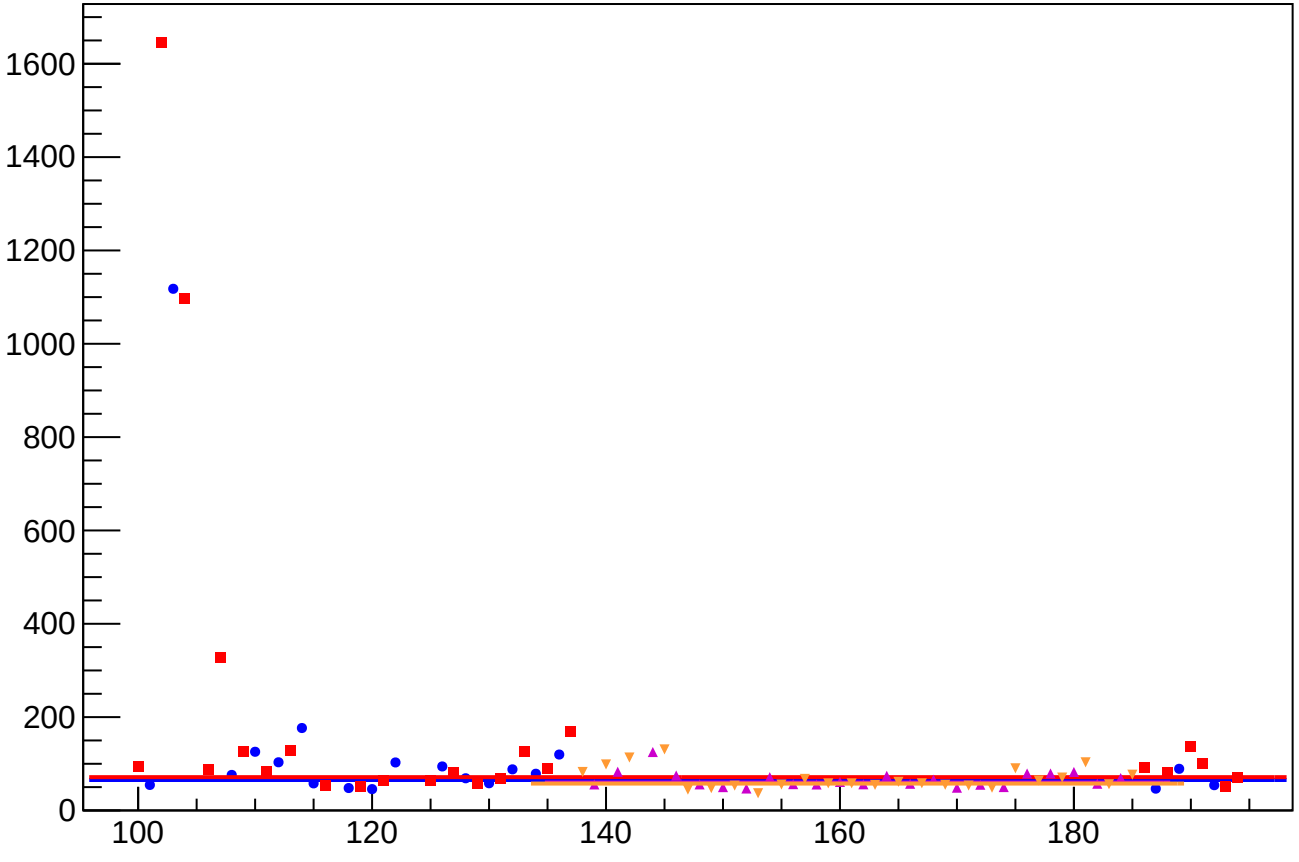
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/42

All: 0.004+/-0.009 χ^2/NDF: 82.6/89

- sign -0.005+/-0.013 χ^2/NDF: 31.5/46

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

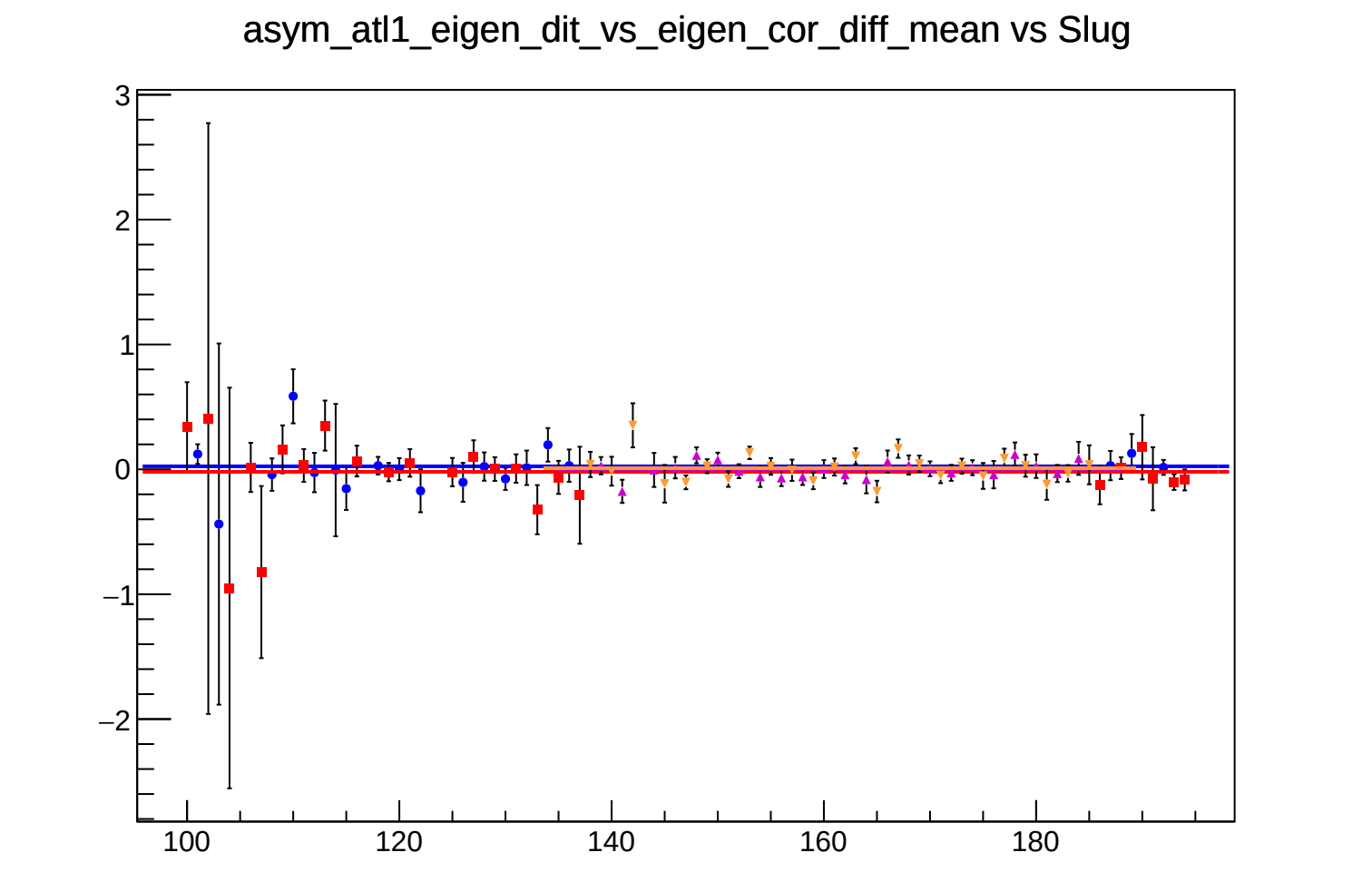
Right Out: 71.349+/-0.018 χ^2/NDF: 3356740.1/23

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.556+/-0.009 χ^2/NDF: 4811103.1/42

All: 61.185+/-0.007 χ^2/NDF: 9864560.8/89

- sign 62.875+/-0.009 χ^2/NDF: 4989935.6/46



Right In: 0.024+/-0.026 χ^2/NDF: 15.3/18

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.020+/-0.026 χ^2/NDF: 15.4/23

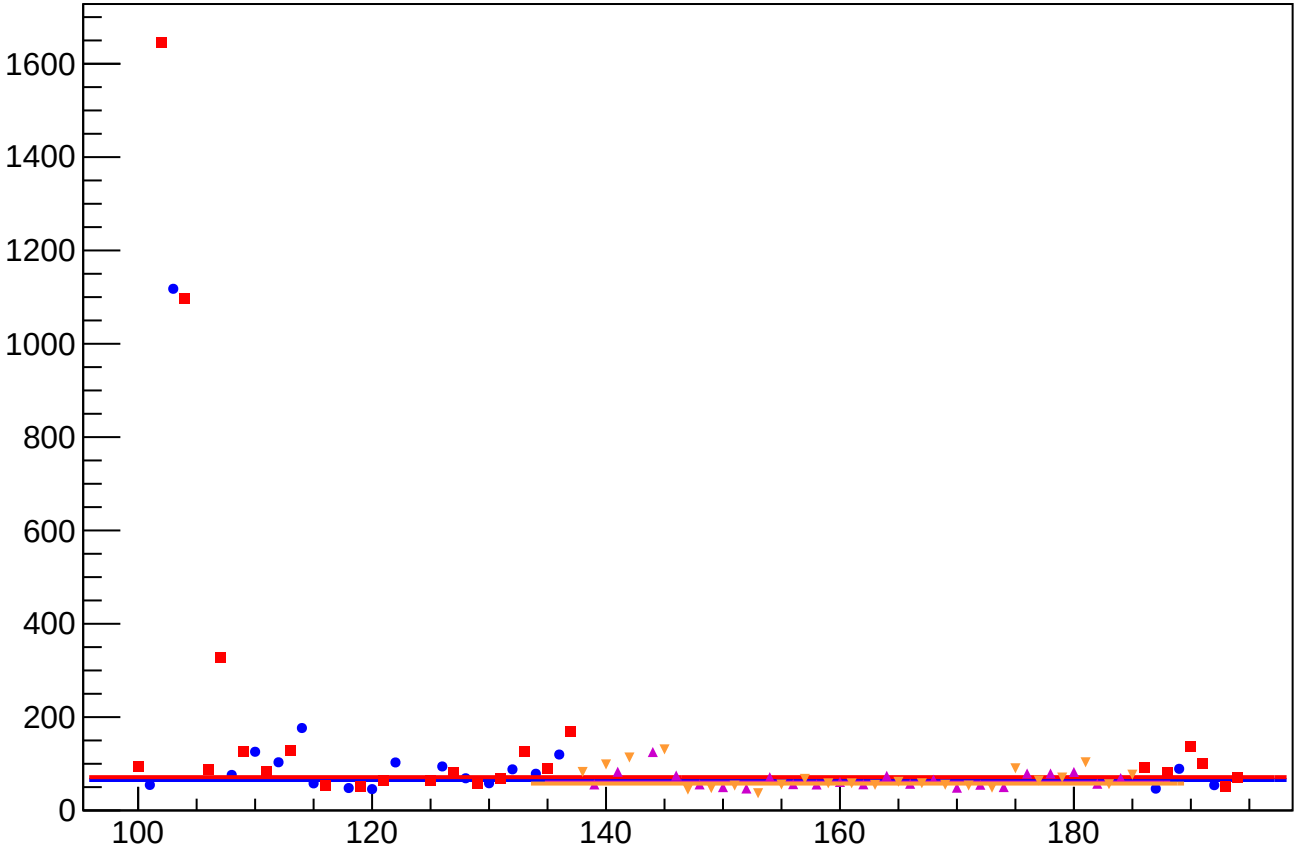
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.013+/-0.013 χ^2/NDF: 50.2/42

All: 0.004+/-0.009 χ^2/NDF: 82.6/89

- sign -0.005+/-0.013 χ^2/NDF: 31.5/46

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.279+/-0.018 χ^2/NDF: 2466746.8/18

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

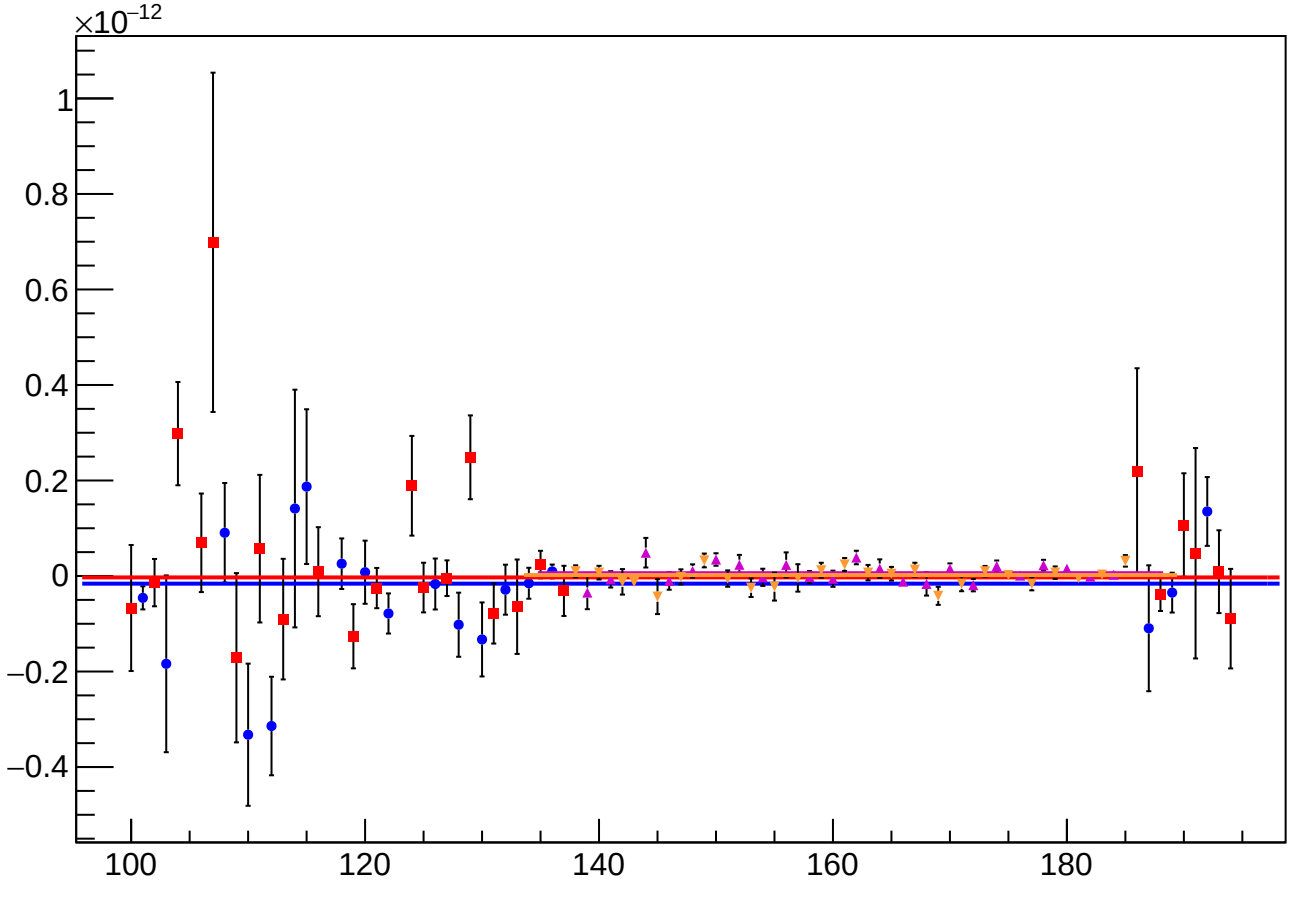
Right Out: 71.349+/-0.018 χ^2/NDF: 3356740.1/23

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.556+/-0.009 χ^2/NDF: 4811103.1/42

All: 61.185+/-0.007 χ^2/NDF: 9864560.8/89

- sign 62.875+/-0.009 χ^2/NDF: 4989935.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 33.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

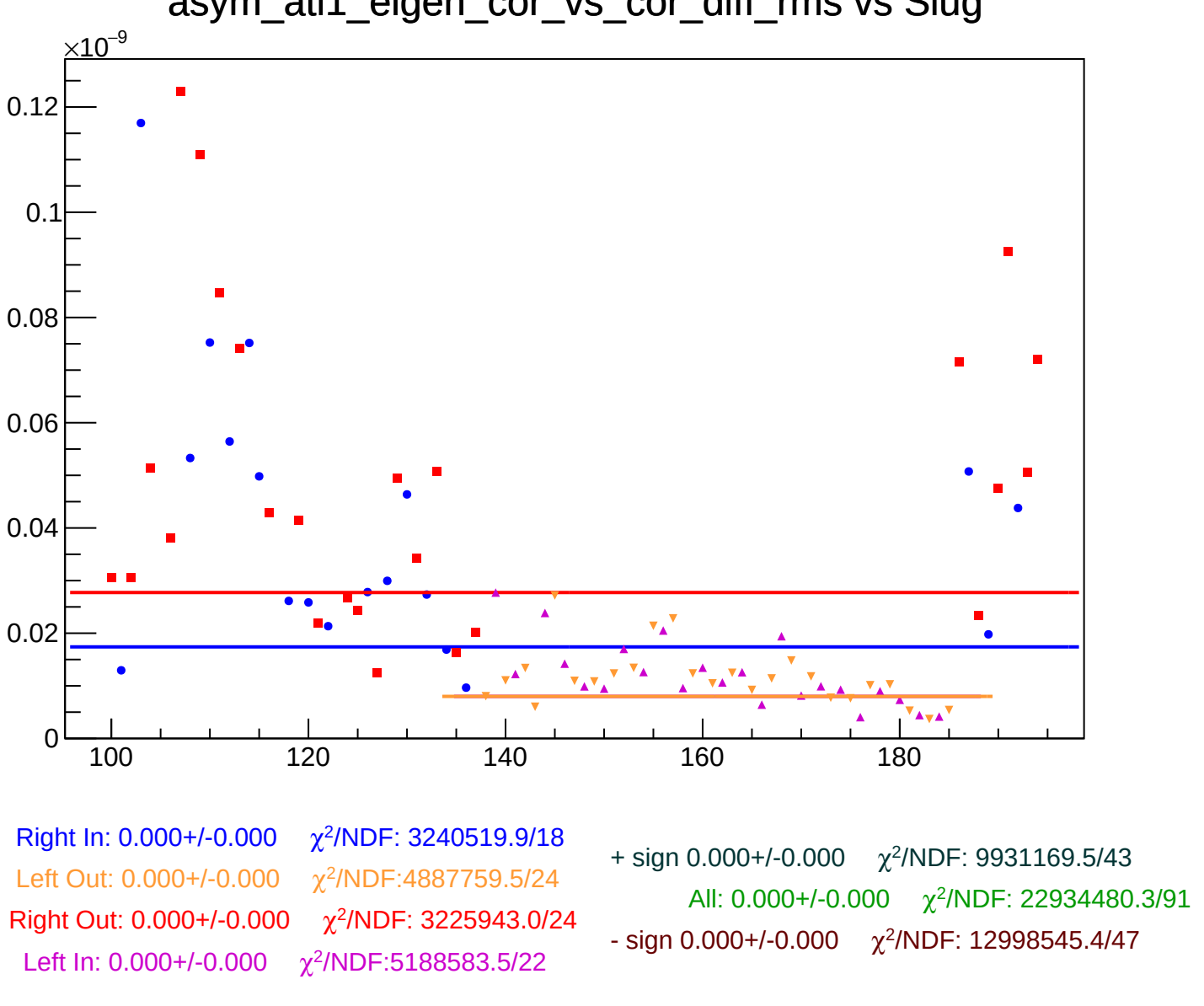
Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/24

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

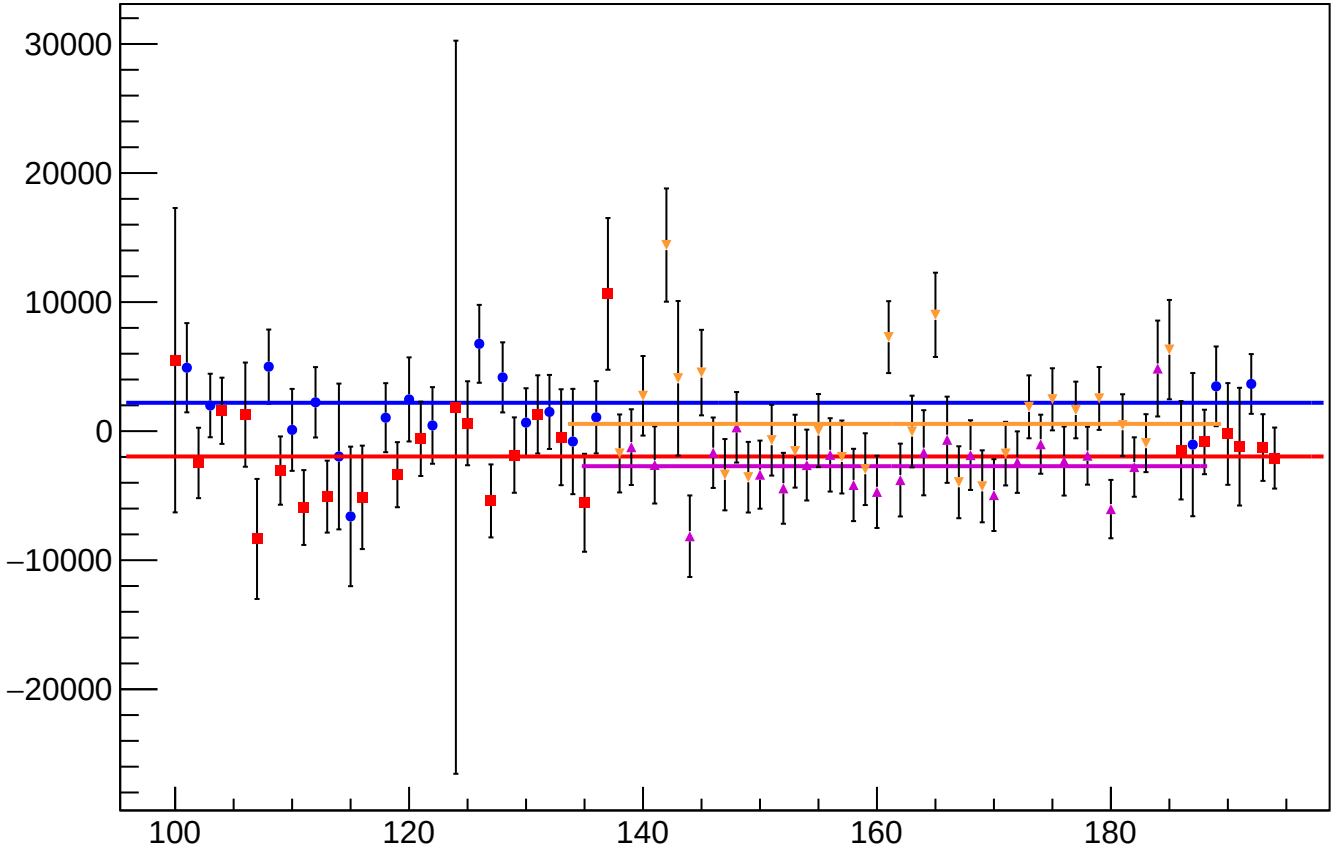
+ sign 0.000+/-0.000 χ^2/NDF: 68.6/43

All: 0.000+/-0.000 χ^2/NDF: 139.7/91

- sign 0.000+/-0.000 χ^2/NDF: 69.3/47


asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 3240519.9/18
Left Out: 0.000+/-0.000 χ²/NDF:4887759.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3225943.0/24
Left In: 0.000+/-0.000 χ²/NDF:5188583.5/22
+ sign 0.000+/-0.000 χ²/NDF: 9931169.5/43
All: 0.000+/-0.000 χ²/NDF: 22934480.3/91
- sign 0.000+/-0.000 χ²/NDF: 12998545.4/47

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: -1963.418+/-642.916 χ^2/NDF: 18.8/24

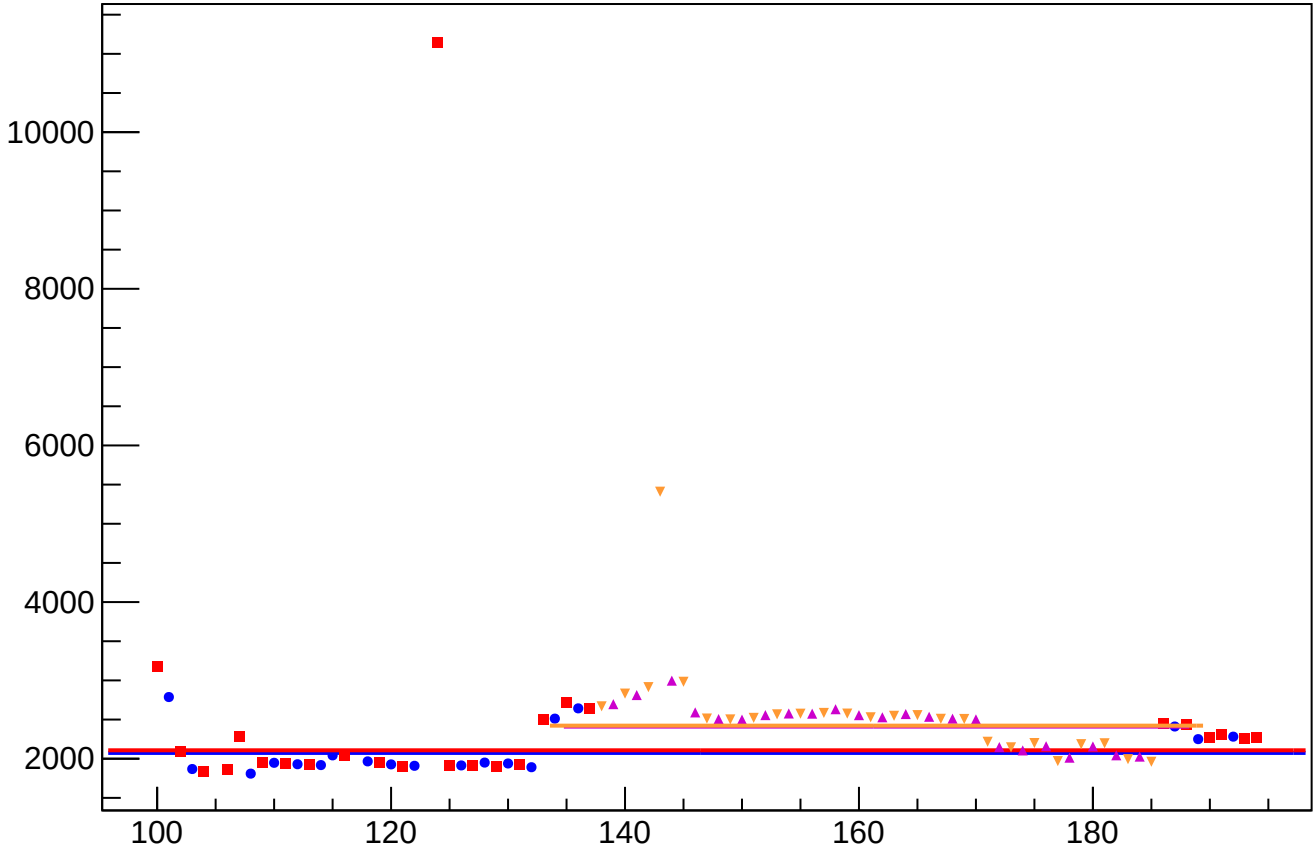
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1195.929+/-436.229 χ^2/NDF: 57.8/43

All: -642.805+/-304.381 χ^2/NDF: 126.3/91

- sign -2387.379+/-424.912 χ^2/NDF: 33.8/47

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: 2107.459+/-0.455 χ^2/NDF: 492519.5/24

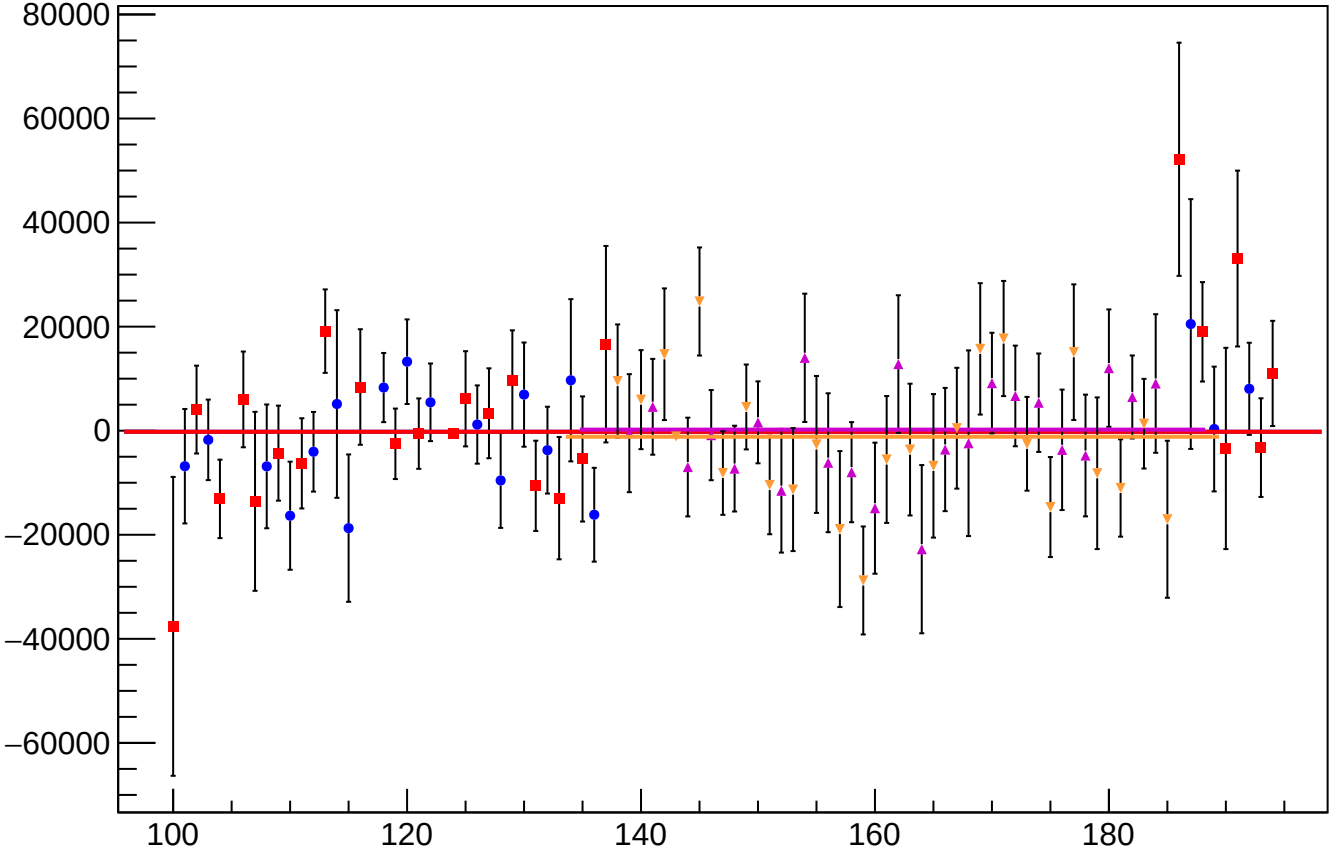
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.295+/-0.308 χ^2/NDF: 1553577.4/43

All: 2282.395+/-0.215 χ^2/NDF: 2724083.7/91

- sign 2277.746+/-0.300 χ^2/NDF: 1170014.5/47

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: -203.132+/-759.367 χ^2/NDF: 33.3/24

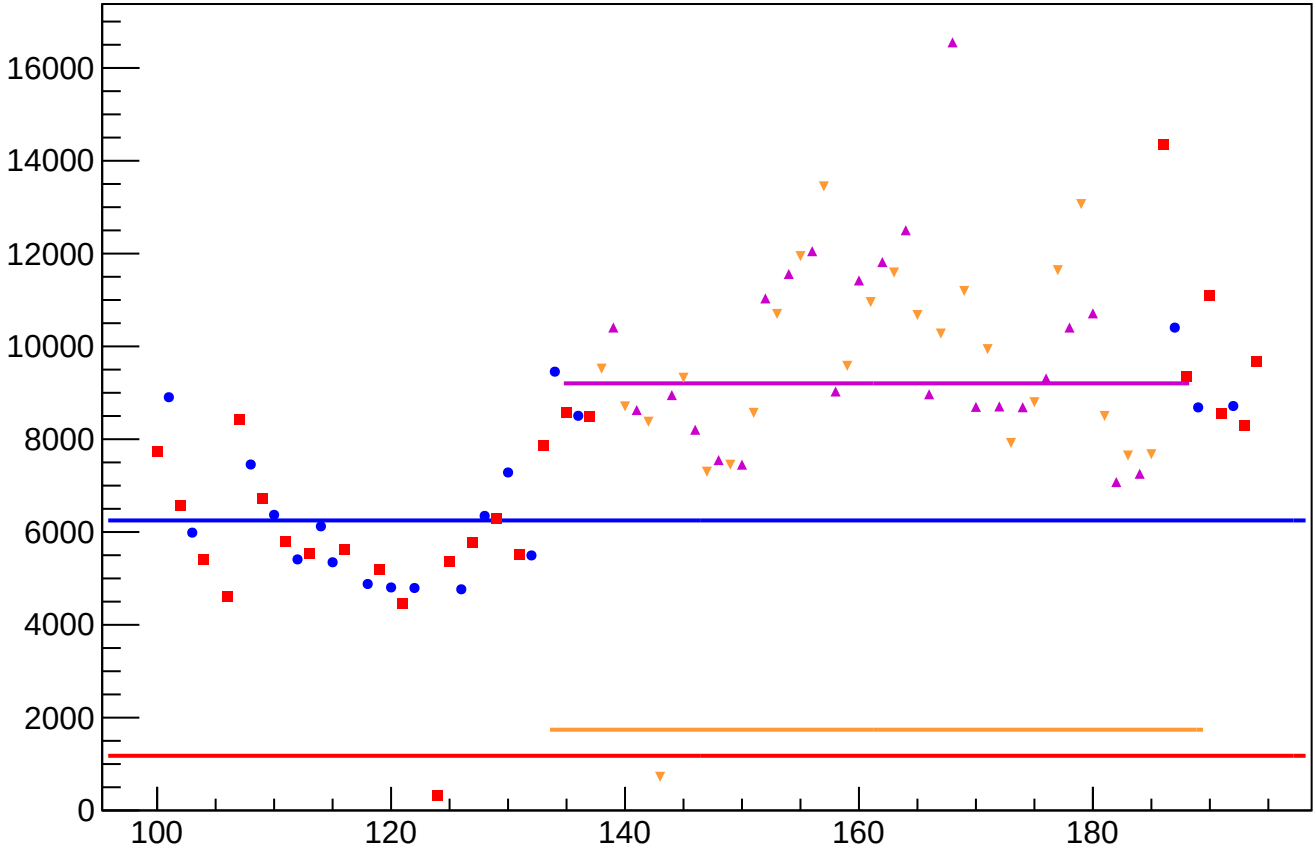
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1053.141+/-715.116 χ^2/NDF: 49.2/43

All: -607.650+/-506.553 χ^2/NDF: 96.7/91

- sign -159.011+/-717.638 χ^2/NDF: 46.8/47

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: 1178.283+/-0.537 χ^2/NDF: 17142344.6/24

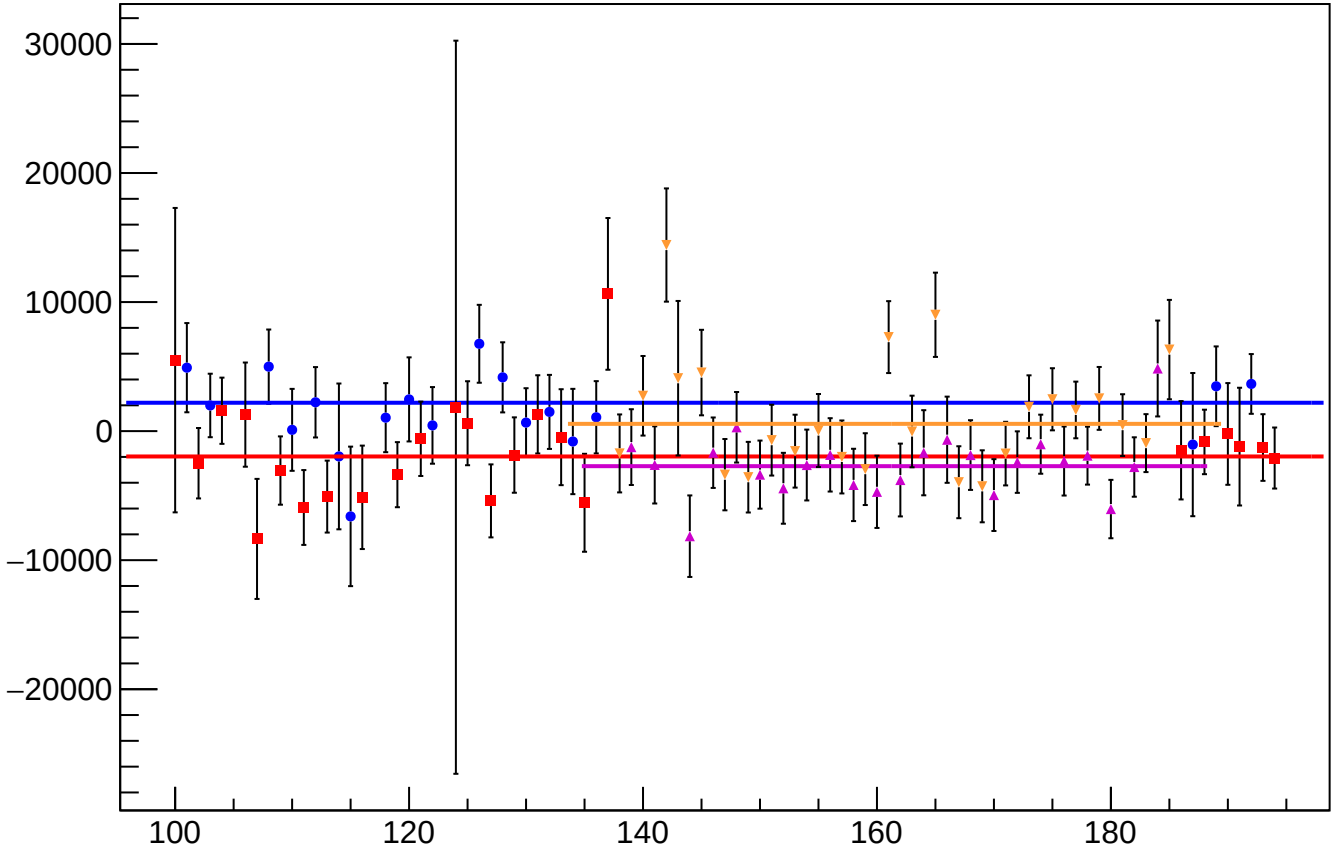
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2233.400+/-0.506 χ^2/NDF: 36507713.6/43

All: 2135.092+/-0.358 χ^2/NDF: 78875358.5/9

- sign 2036.089+/-0.507 χ^2/NDF: 42291783.9/47

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: -1964.704+/-642.920 χ^2/NDF: 18.8/24

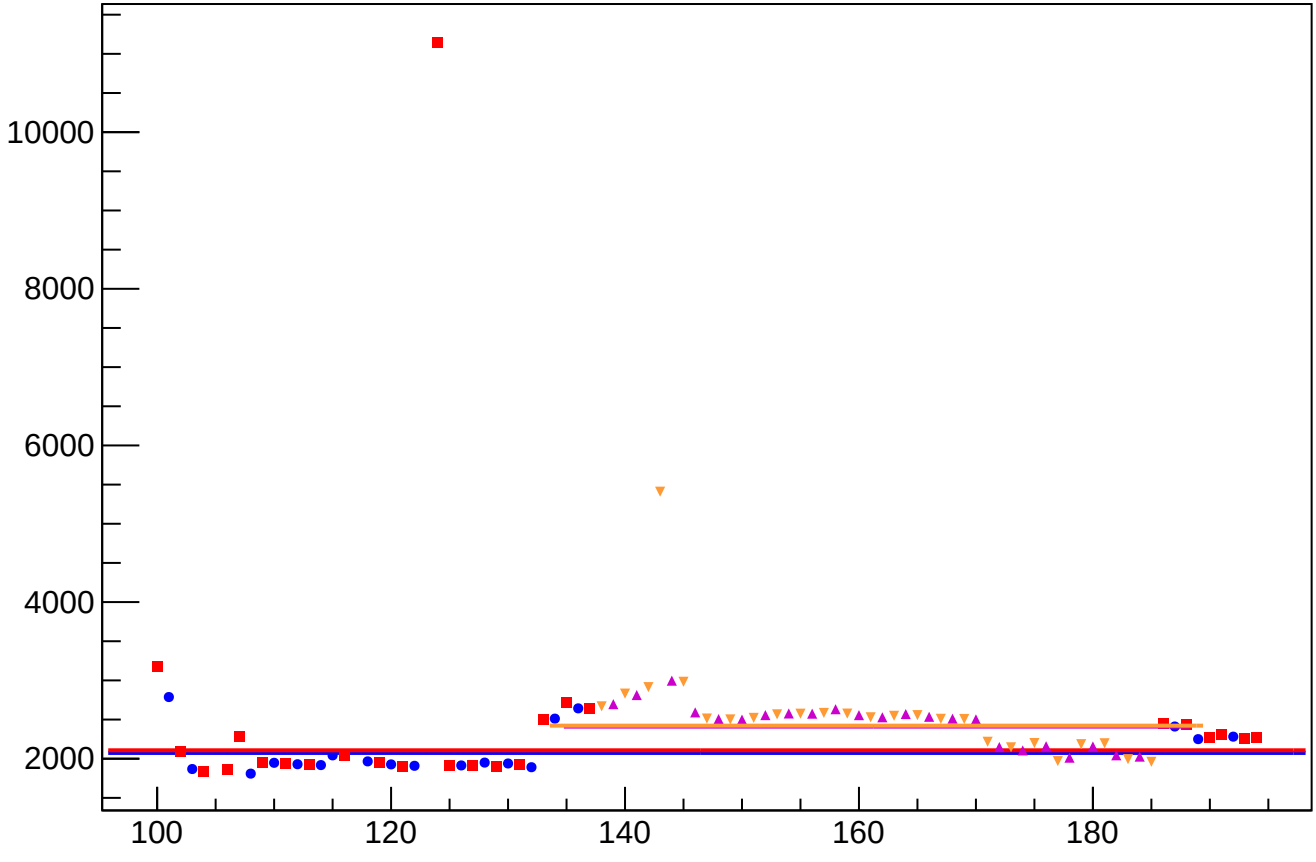
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1195.976+/-436.229 χ^2/NDF: 57.8/43

All: -643.055+/-304.381 χ^2/NDF: 126.3/91

- sign -2387.922+/-424.914 χ^2/NDF: 33.8/47

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: 2107.476+/-0.455 χ^2/NDF: 492517.8/24

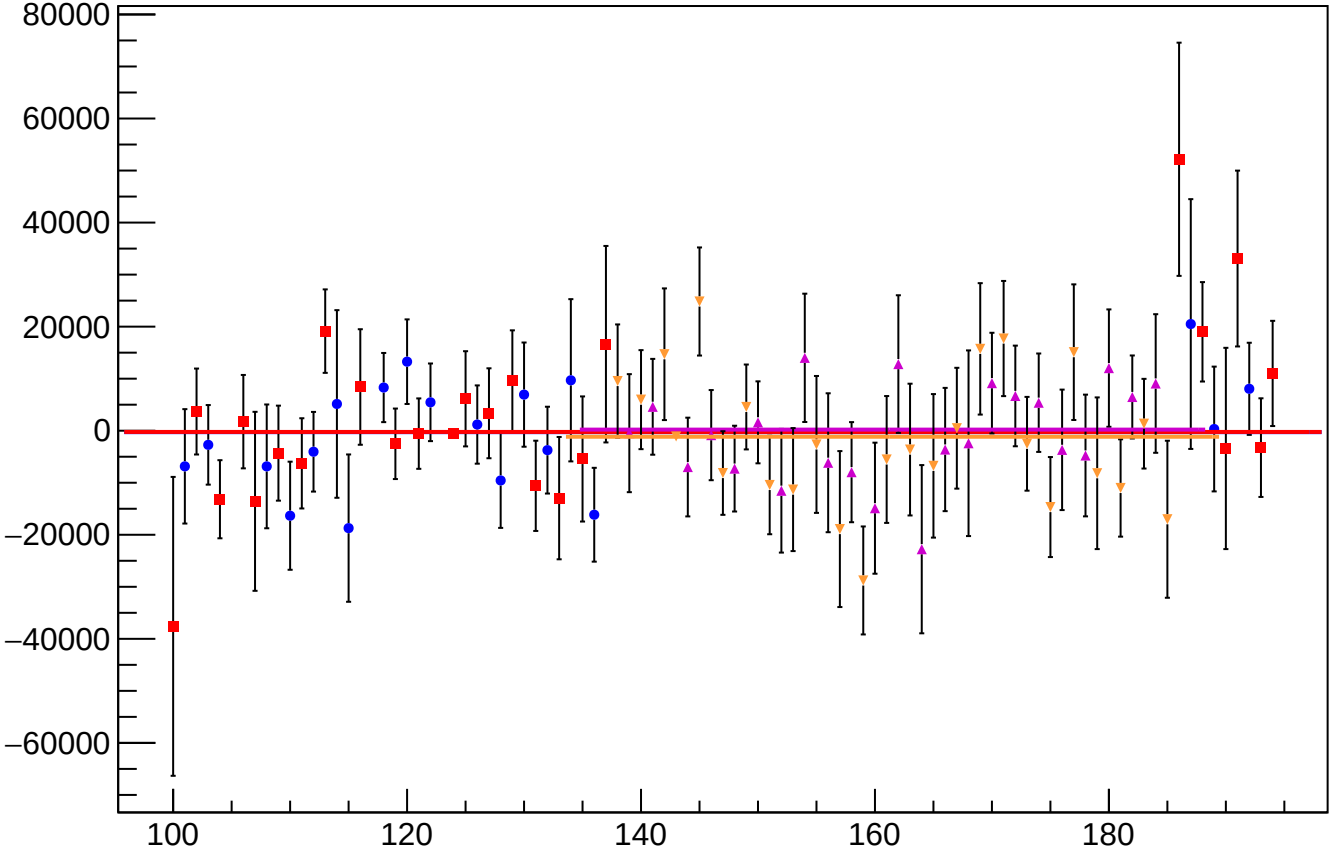
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.295+/-0.308 χ^2/NDF: 1553577.5/43

All: 2282.400+/-0.215 χ^2/NDF: 2724051.4/91

- sign 2277.755+/-0.300 χ^2/NDF: 1169983.1/47

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

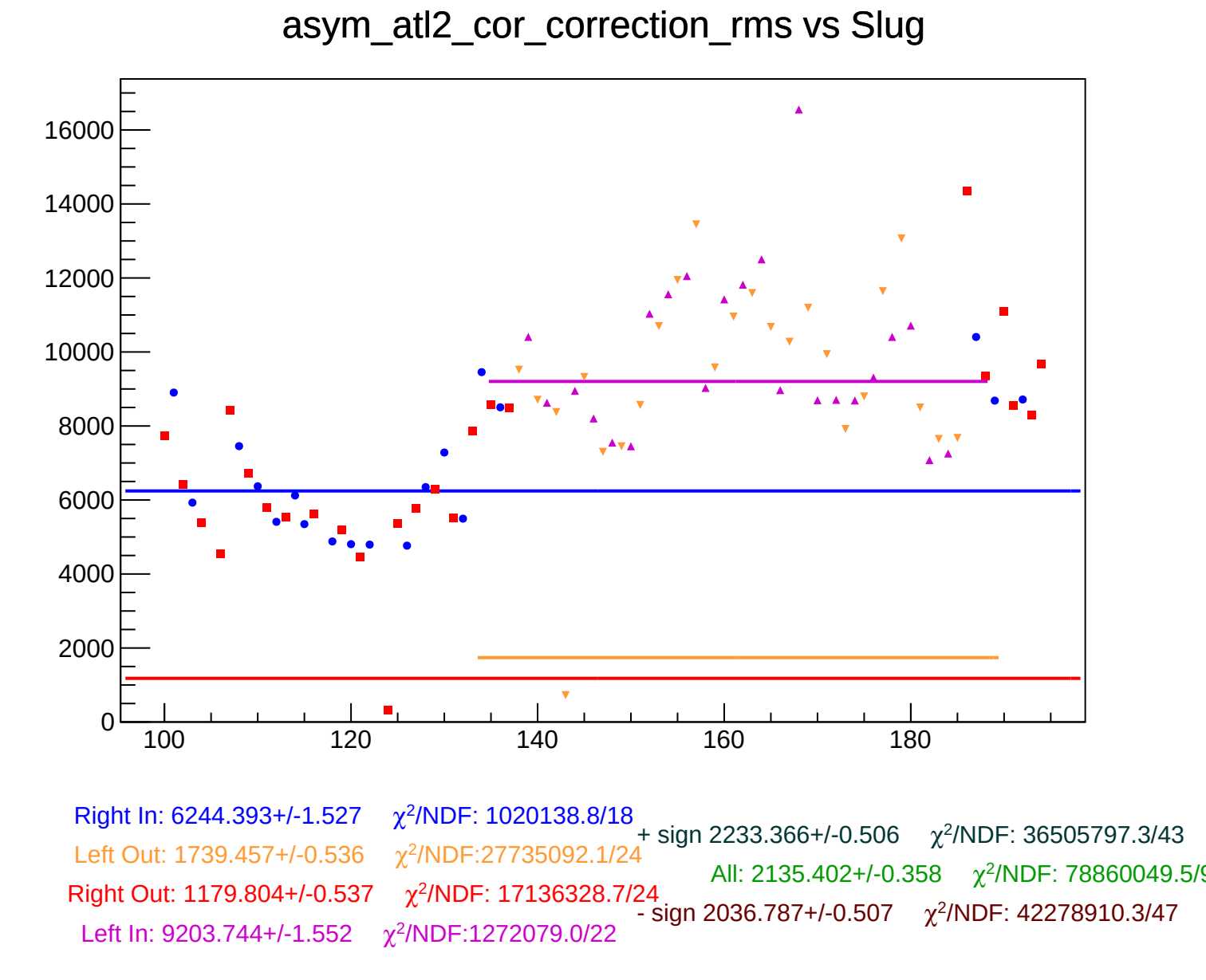
Right Out: -235.926+/-759.039 χ^2/NDF: 33.0/24

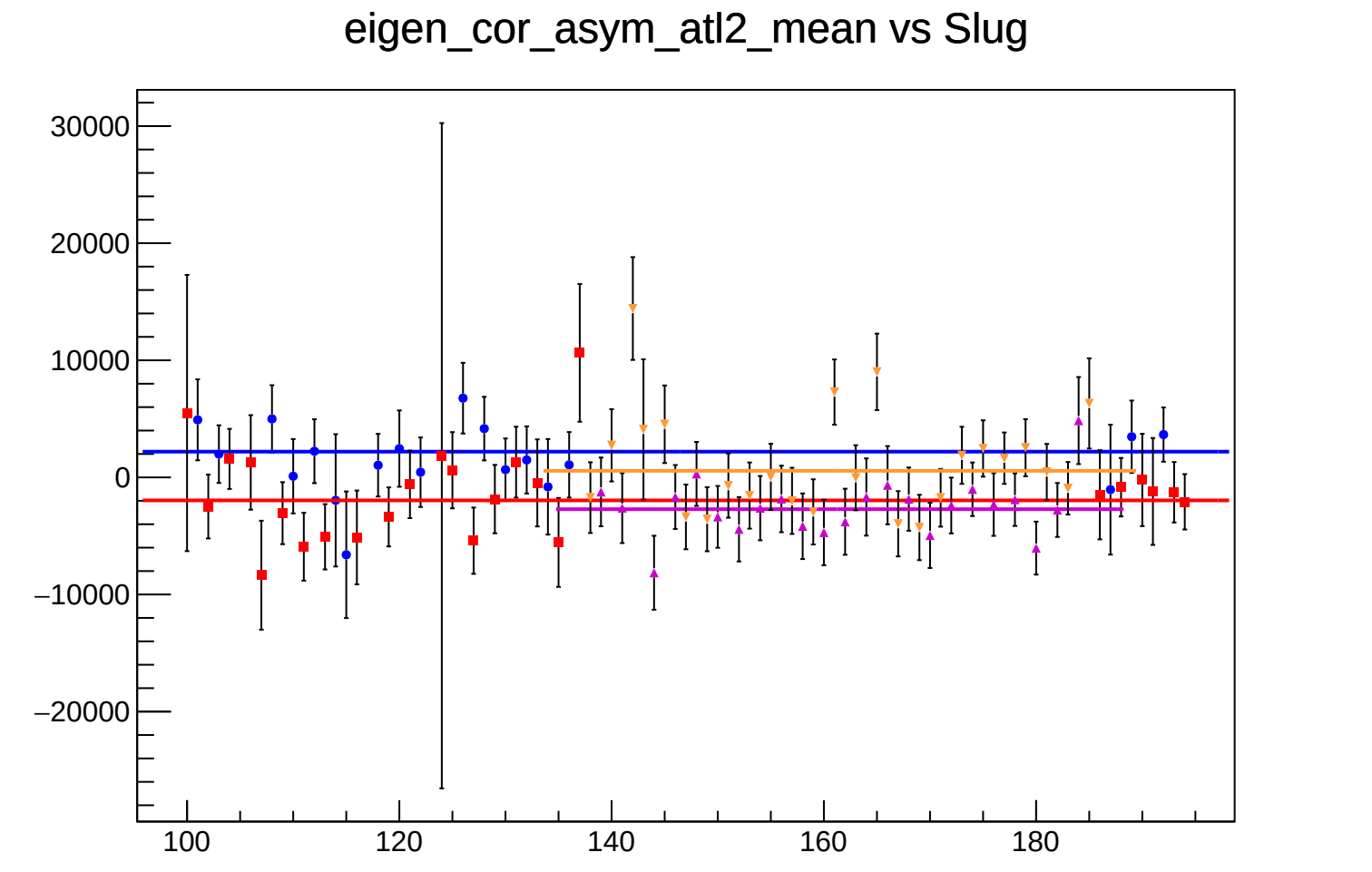
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1061.548+/-714.989 χ^2/NDF: 49.2/43

All: -626.397+/-506.410 χ^2/NDF: 96.4/91

- sign -188.353+/-717.361 χ^2/NDF: 46.4/47


asym_atl2_cor_correction_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
Right In: 6244.393+/-1.527 χ²/NDF: 1020138.8/18
Left Out: 1739.457+/-0.536 χ²/NDF:27735092.1/24
Right Out: 1179.804+/-0.537 χ²/NDF: 17136328.7/24
Left In: 9203.744+/-1.552 χ²/NDF:1272079.0/22
+ sign 2233.366+/-0.506 χ²/NDF: 36505797.3/43
All: 2135.402+/-0.358 χ²/NDF: 78860049.5/9
- sign 2036.787+/-0.507 χ²/NDF: 42278910.3/47



Right In: 2198.156+/-700.927 χ^2/NDF: 10.6/18

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -1964.704+/-642.920 χ^2/NDF: 18.8/24

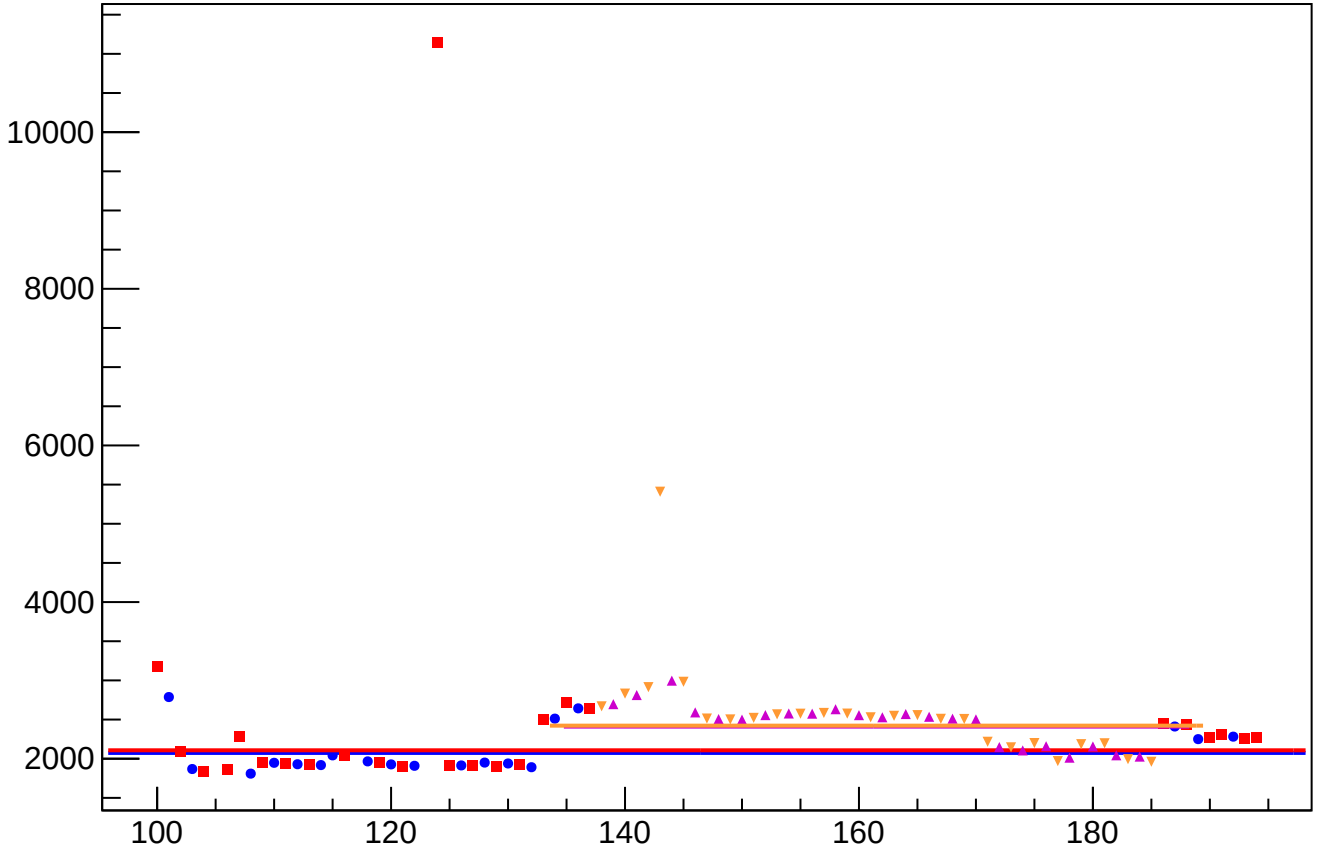
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1195.976+/-436.229 χ^2/NDF: 57.8/43

All: -643.055+/-304.381 χ^2/NDF: 126.3/91

- sign -2387.922+/-424.914 χ^2/NDF: 33.8/47

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: 2107.476+/-0.455 χ^2/NDF: 492517.8/24

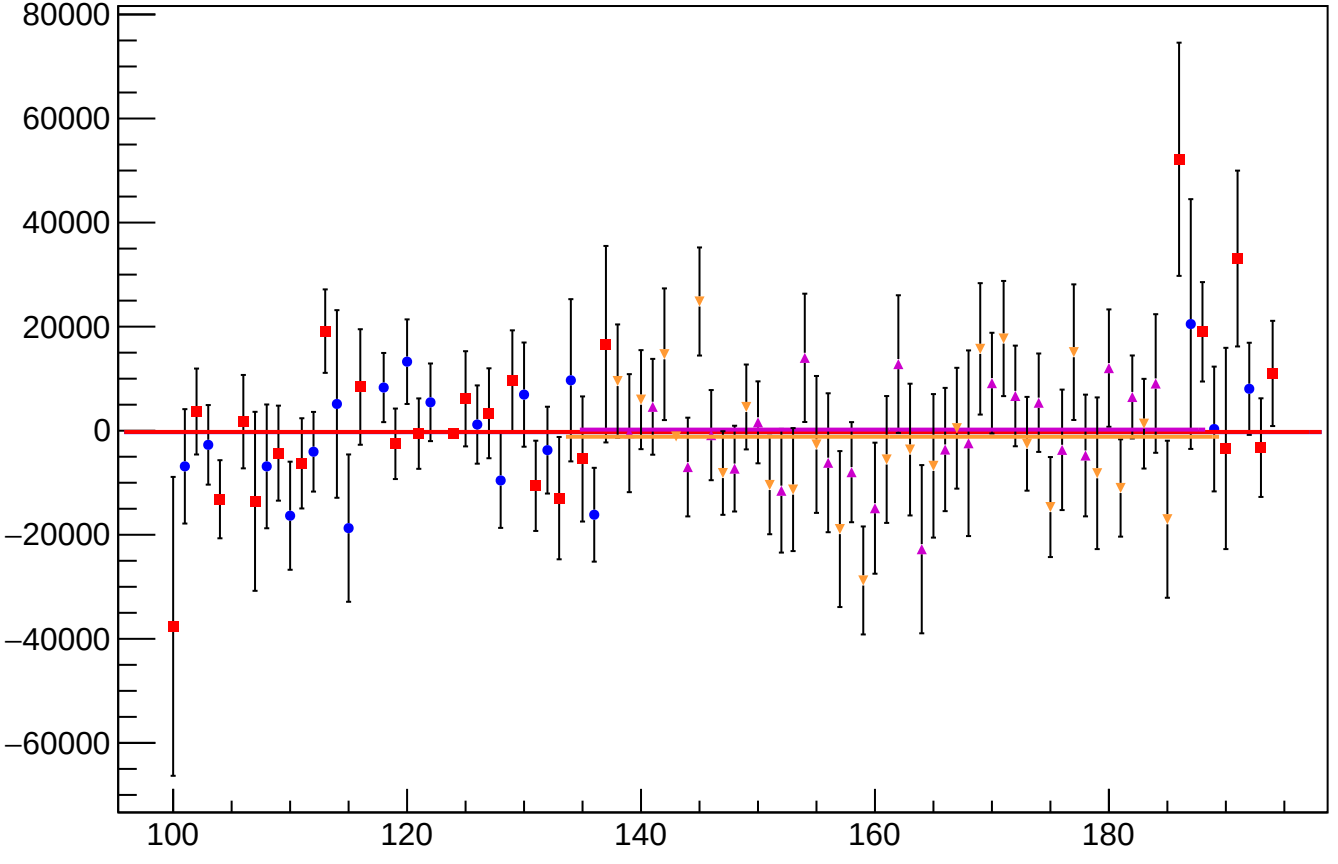
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2287.295+/-0.308 χ^2/NDF: 1553577.5/43

All: 2282.400+/-0.215 χ^2/NDF: 2724051.4/91

- sign 2277.755+/-0.300 χ^2/NDF: 1169983.1/47

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: -235.926+/-759.039 χ^2/NDF: 33.0/24

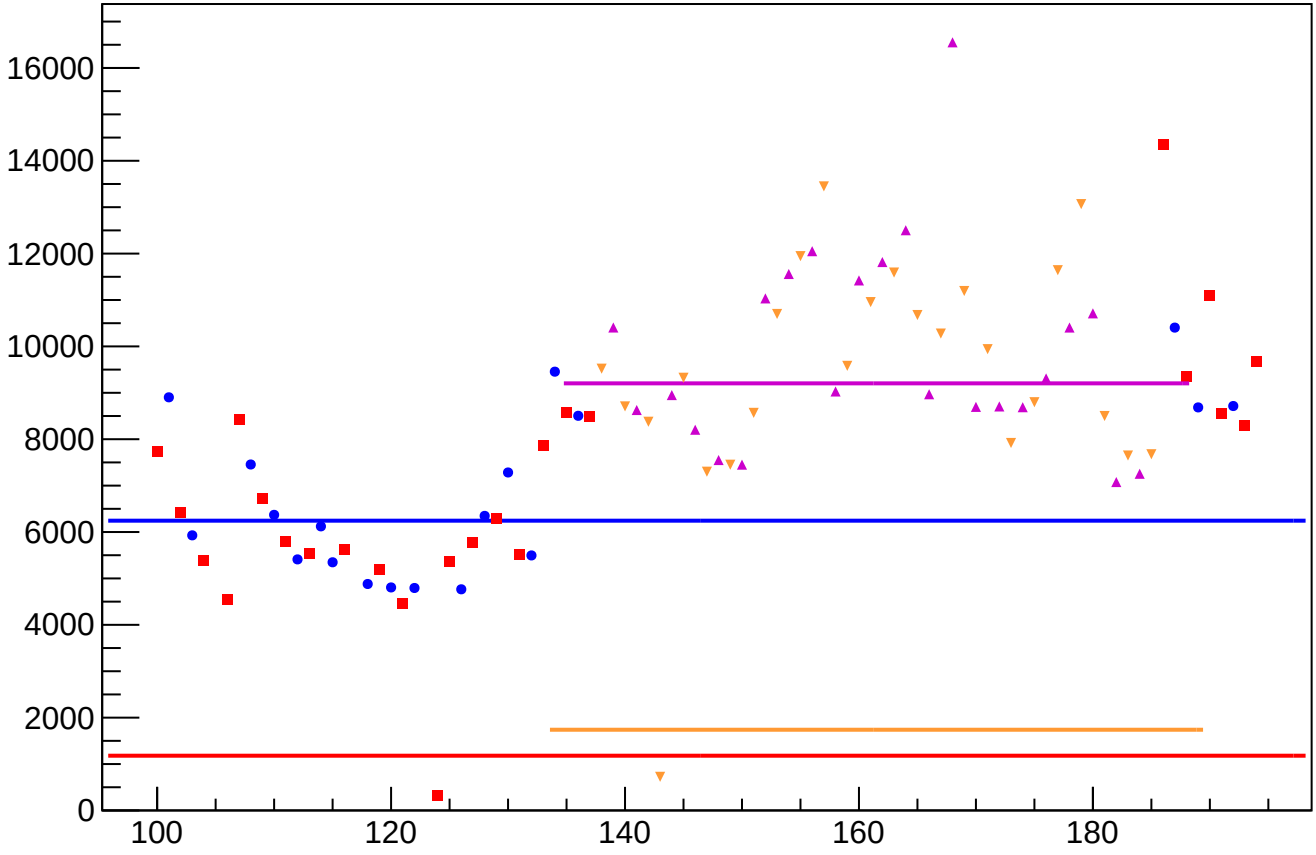
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1061.548+/-714.989 χ^2/NDF: 49.2/43

All: -626.397+/-506.410 χ^2/NDF: 96.4/91

- sign -188.353+/-717.361 χ^2/NDF: 46.4/47

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: 1179.804+/-0.537 χ^2/NDF: 17136328.7/24

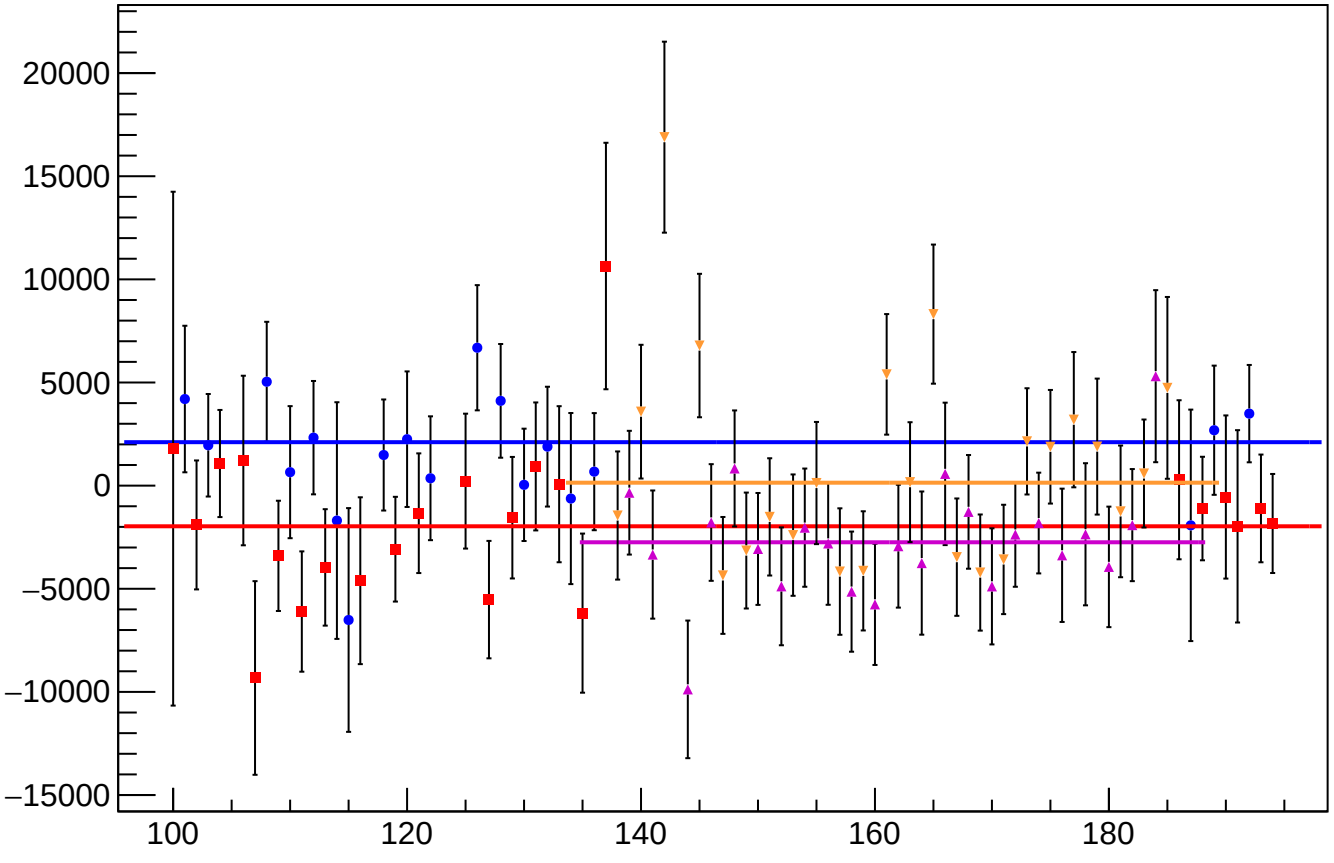
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2233.366+/-0.506 χ^2/NDF: 36505797.3/43

All: 2135.402+/-0.358 χ^2/NDF: 78860049.5/9

- sign 2036.787+/-0.507 χ^2/NDF: 42278910.3/47

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: -1970.818+/-654.126 χ^2/NDF: 17.5/23

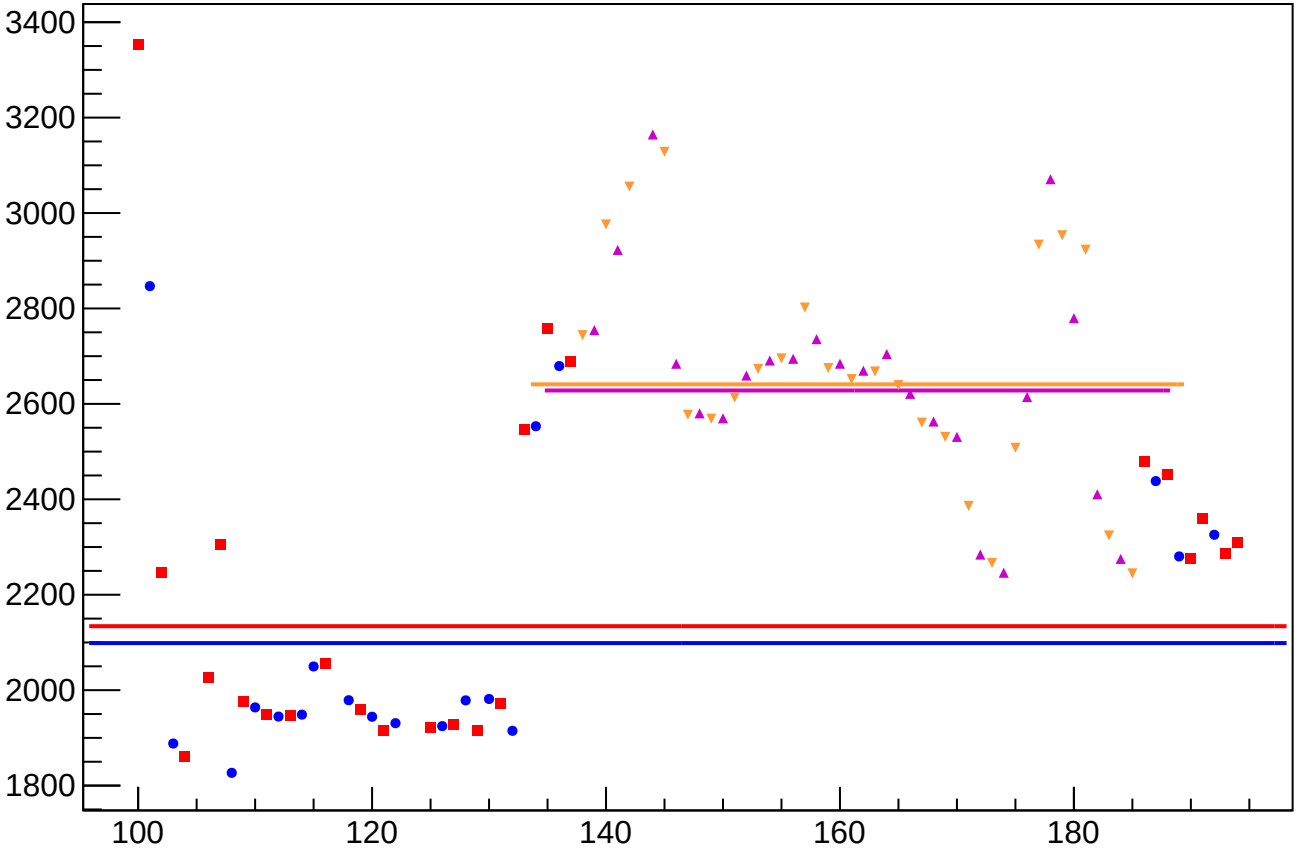
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 985.808+/-465.133 χ^2/NDF: 60.1/42

All: -759.171+/-322.857 χ^2/NDF: 120.9/89

- sign -2381.571+/-448.498 χ^2/NDF: 33.7/46

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: 2134.096+/-0.462 χ^2/NDF: 294969.0/23

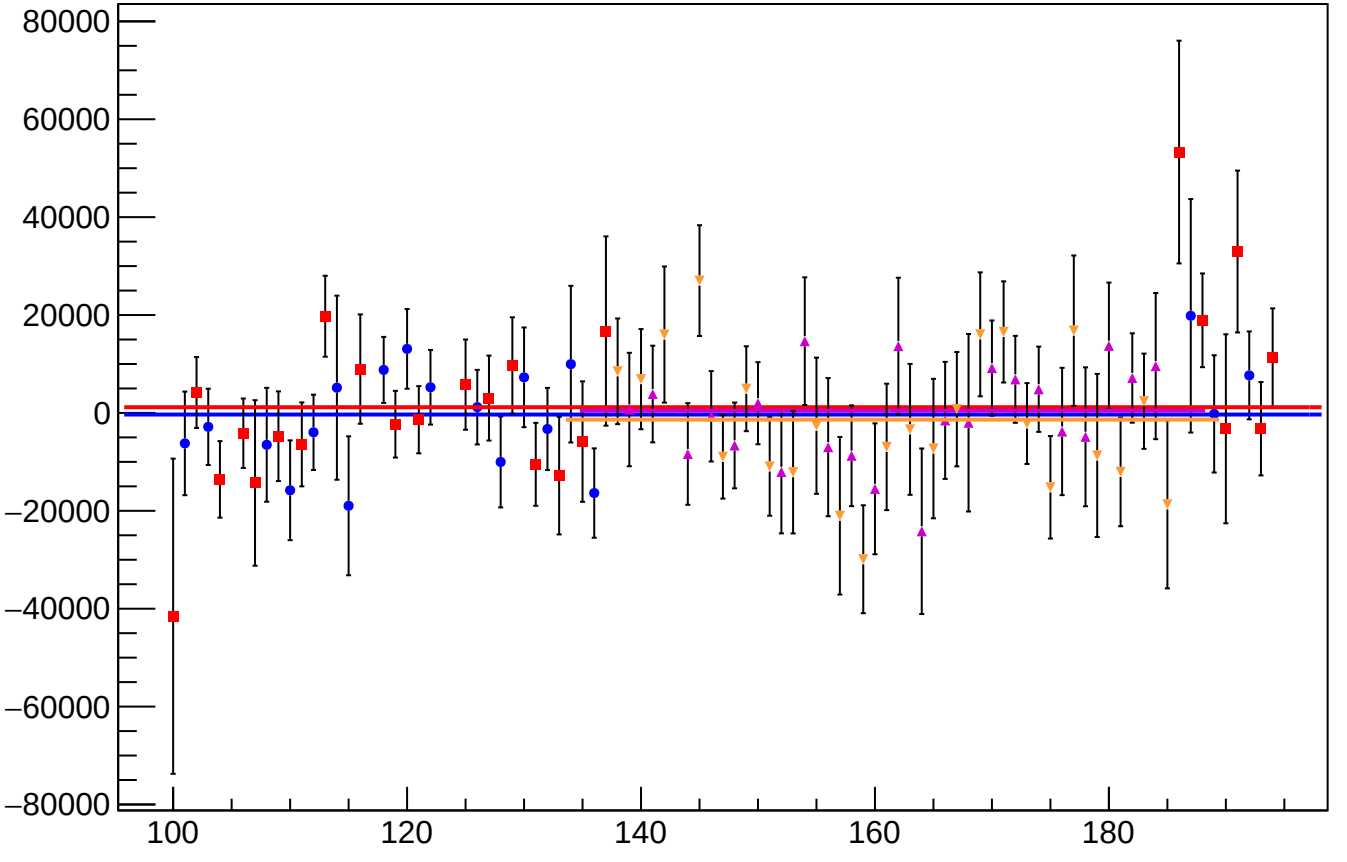
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2408.165+/-0.329 χ^2/NDF: 1228316.9/42

All: 2401.652+/-0.228 χ^2/NDF: 2366720.7/89

- sign 2395.604+/-0.317 χ^2/NDF: 1137647.6/46

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: 1165.986+/-1975.615 χ^2/NDF: 33.0/23

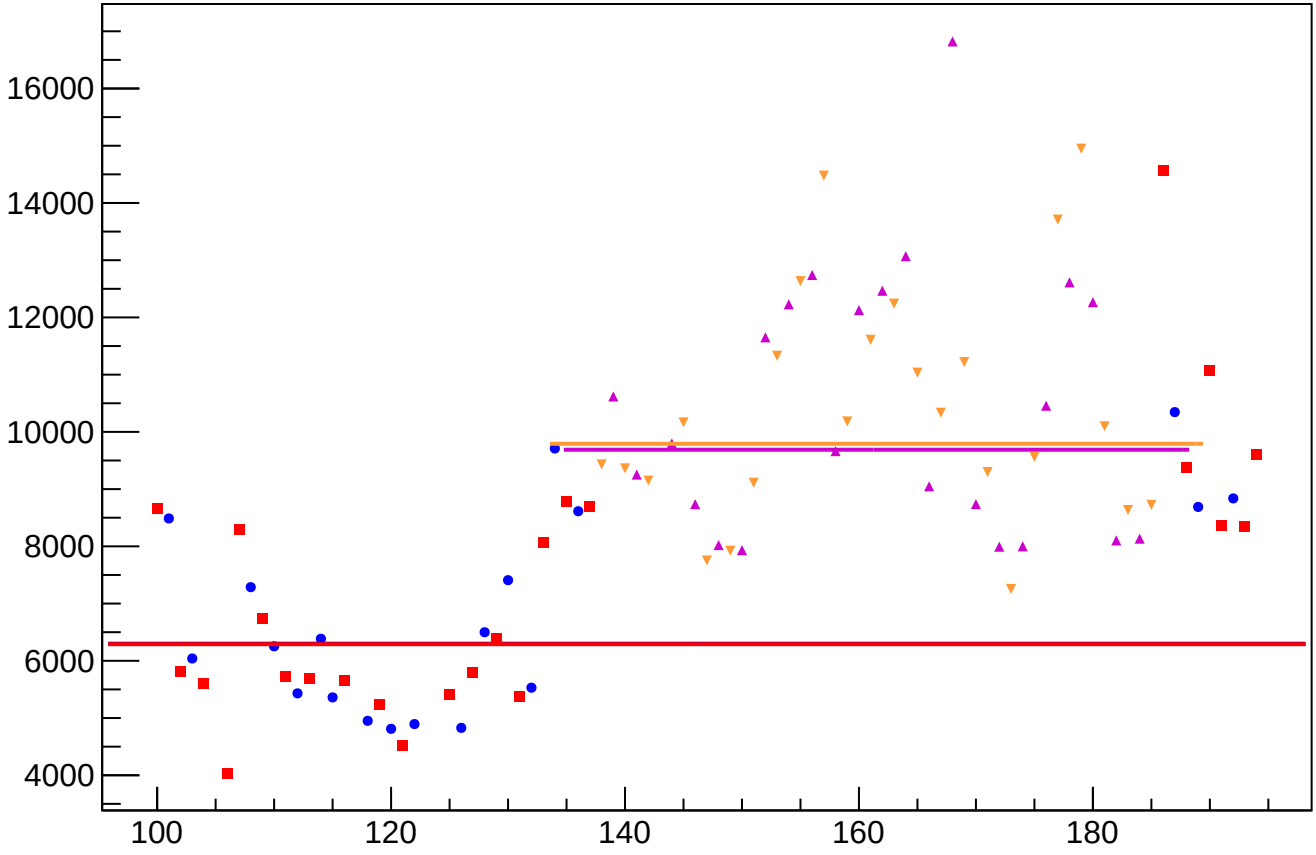
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -813.330+/-1589.414 χ^2/NDF: 48.3/42

All: 75.543+/-1091.913 χ^2/NDF: 95.0/89

- sign 870.002+/-1502.633 χ^2/NDF: 46.1/46

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: 6290.190+/-1.397 χ^2/NDF: 1617953.1/23

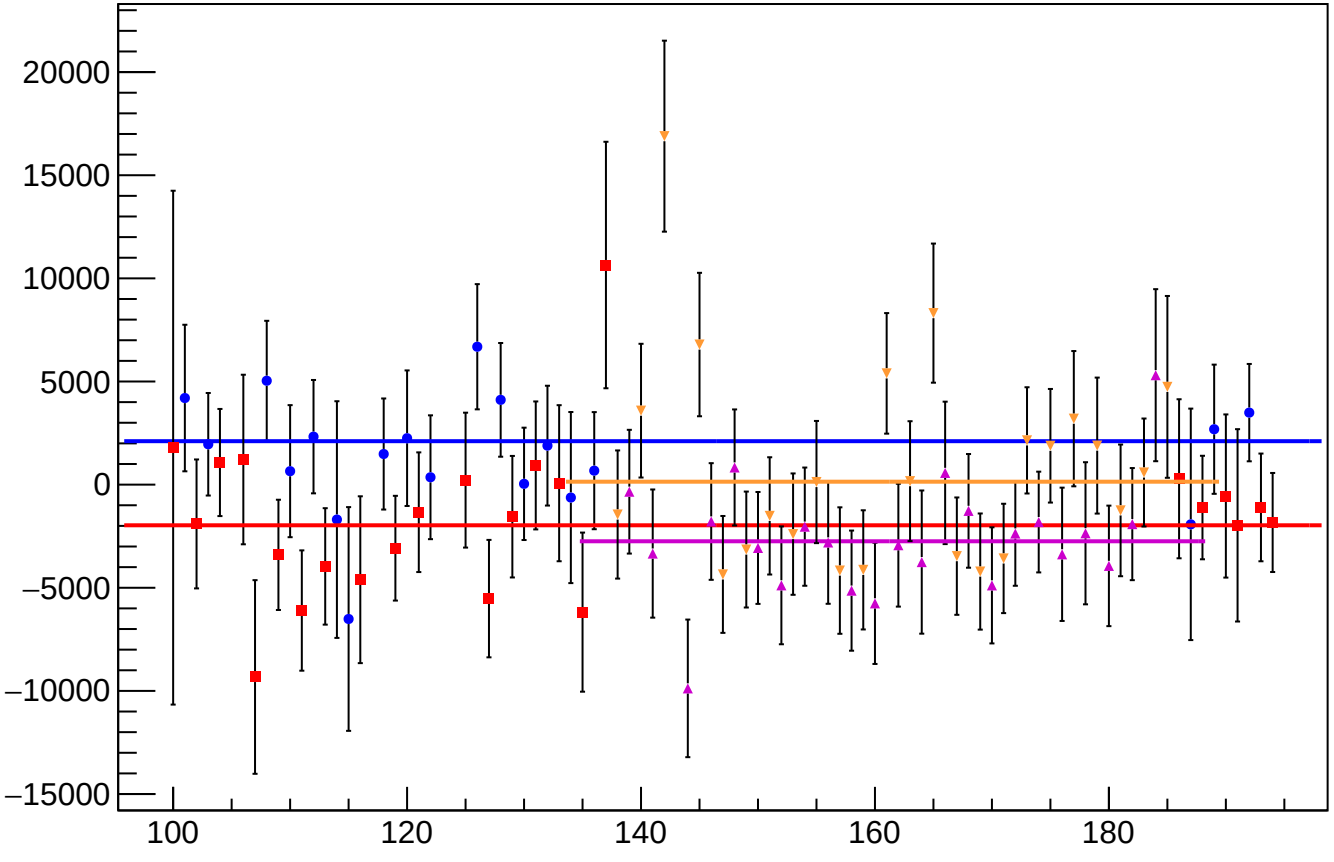
Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 7929.404+/-1.124 χ^2/NDF: 4607731.0/42

All: 7820.123+/-0.772 χ^2/NDF: 10115606.5/8

- sign 7722.450+/-1.063 χ^2/NDF: 5489970.7/46

eigen_dit_asym_atl2_mean vs Slug



Right In: 2106.672+/-709.860 χ^2/NDF: 9.9/18

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -1970.820+/-654.126 χ^2/NDF: 17.5/23

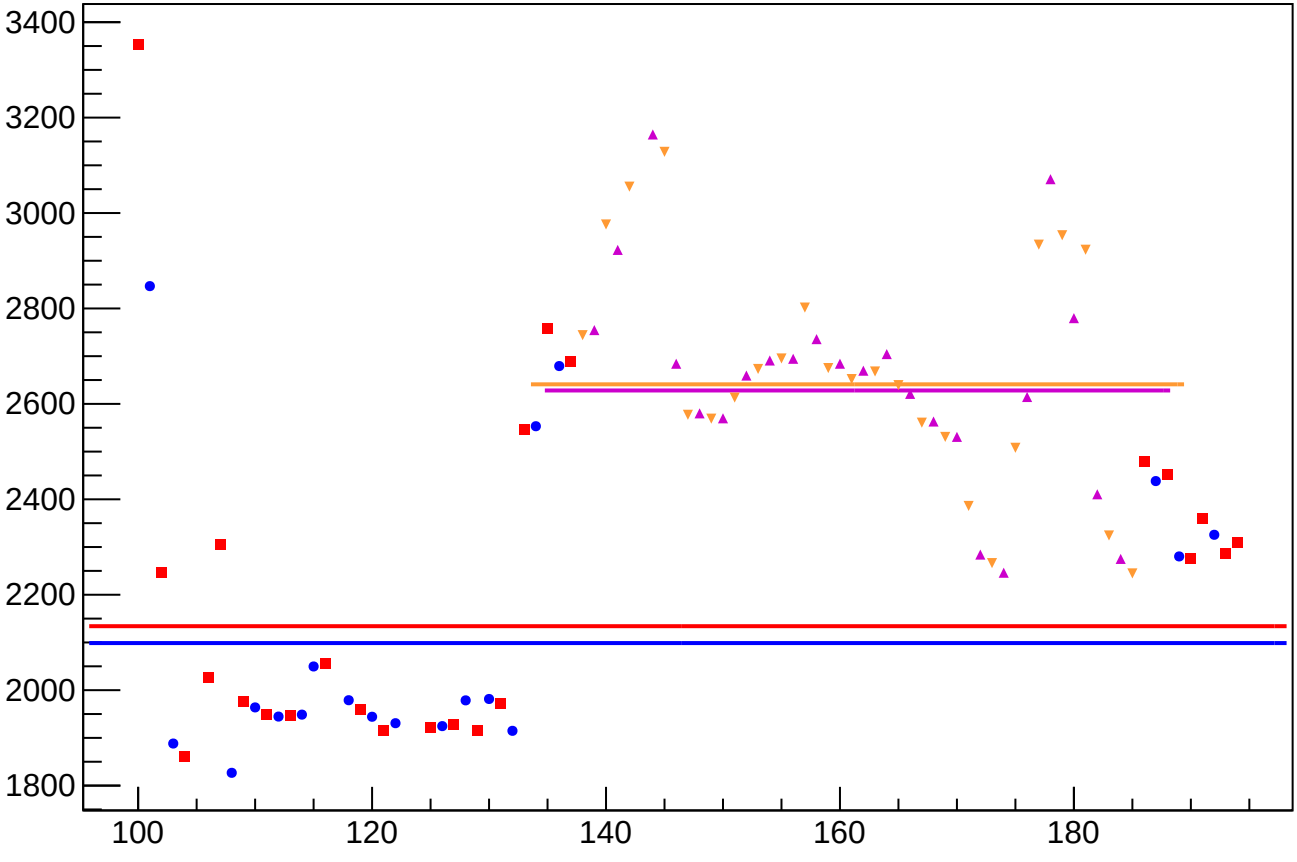
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 985.805+/-465.133 χ^2/NDF: 60.1/42

All: -759.172+/-322.857 χ^2/NDF: 120.9/89

- sign -2381.570+/-448.498 χ^2/NDF: 33.7/46

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: 2134.096+/-0.462 χ^2/NDF: 294969.1/23

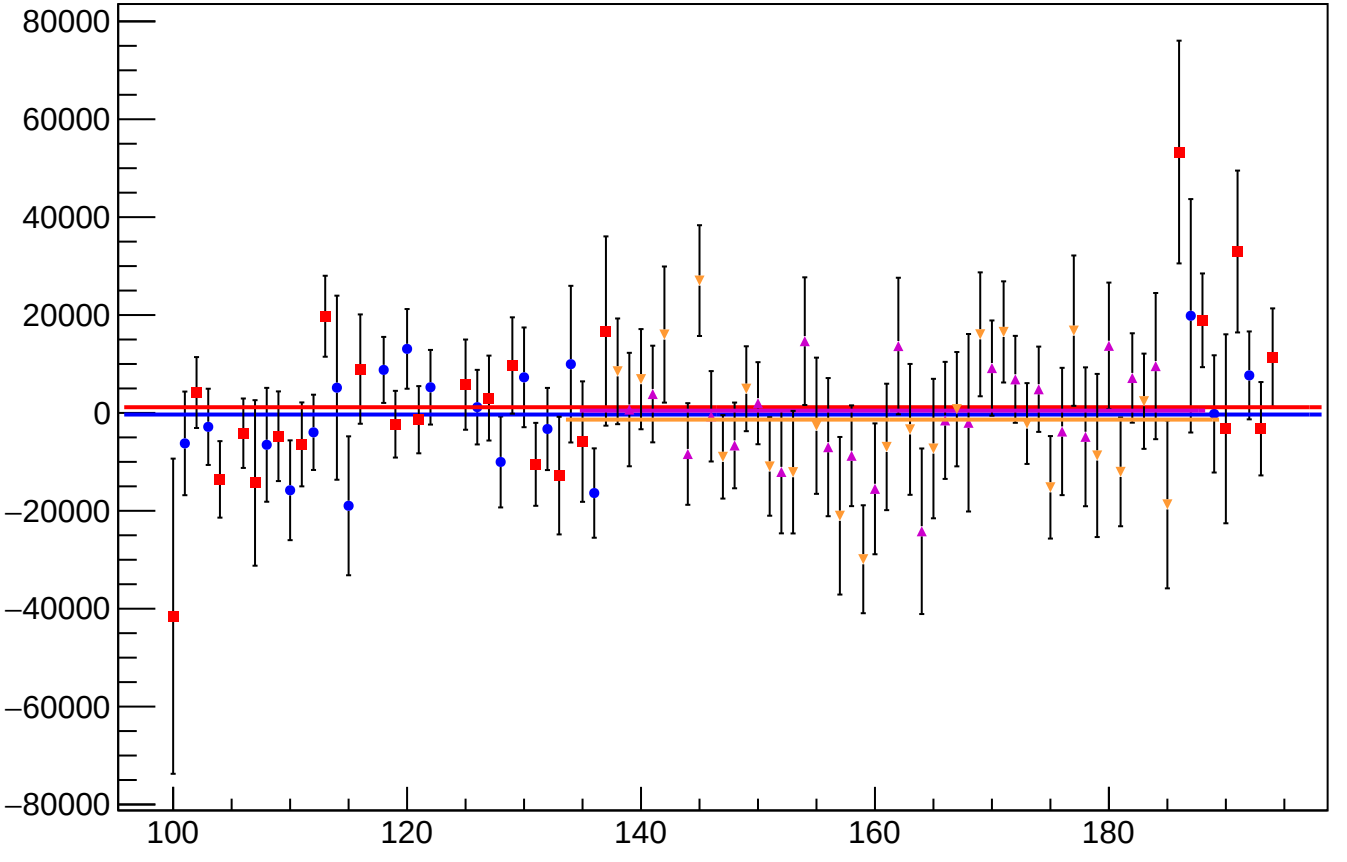
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2408.166+/-0.329 χ^2/NDF: 1228331.1/42

All: 2401.653+/-0.228 χ^2/NDF: 2366749.6/89

- sign 2395.605+/-0.317 χ^2/NDF: 1137662.3/46

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: 1165.973+/-1975.611 χ^2/NDF: 33.0/23

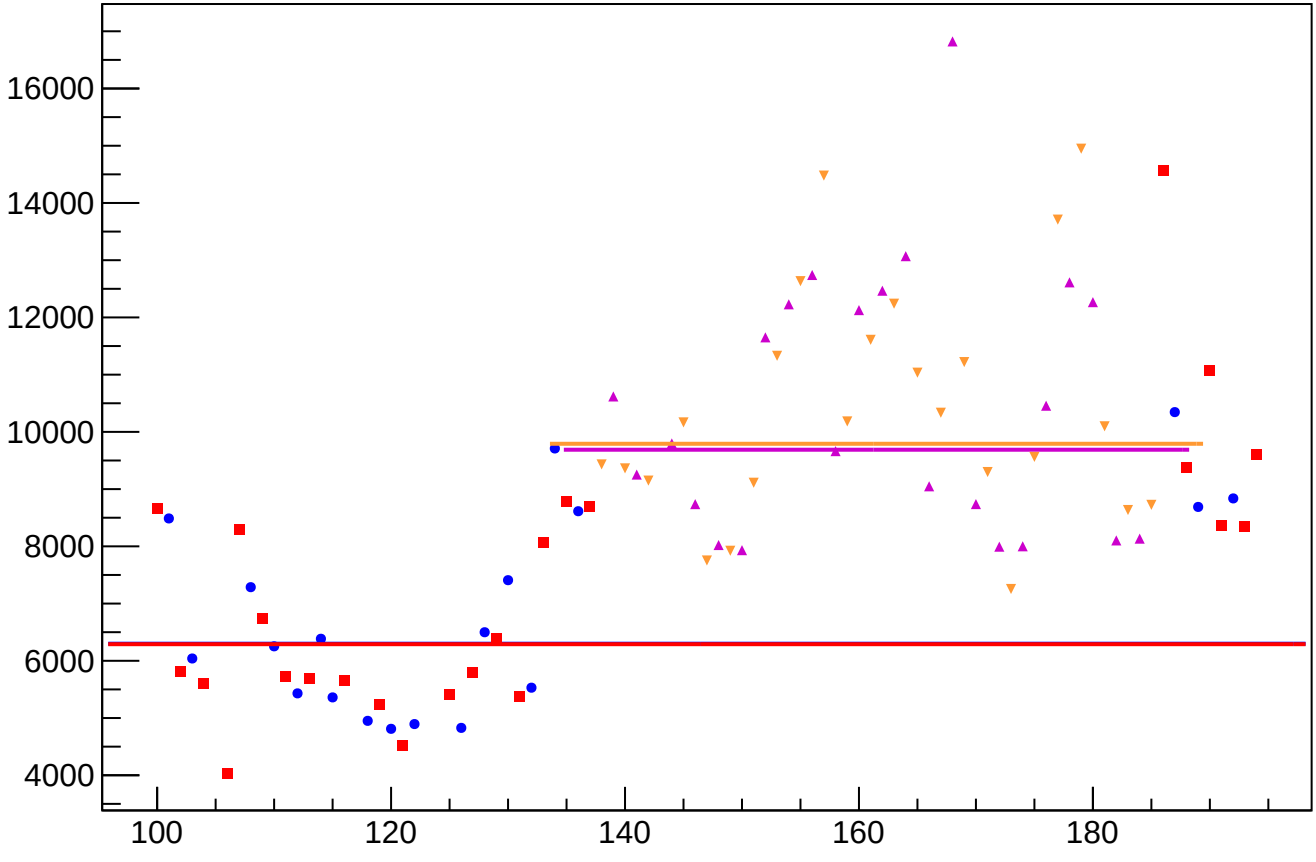
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -813.329+/-1589.413 χ^2/NDF: 48.3/42

All: 75.541+/-1091.912 χ^2/NDF: 95.0/89

- sign 869.997+/-1502.633 χ^2/NDF: 46.1/46

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: 6290.174+/-1.397 χ^2/NDF: 1617970.4/23

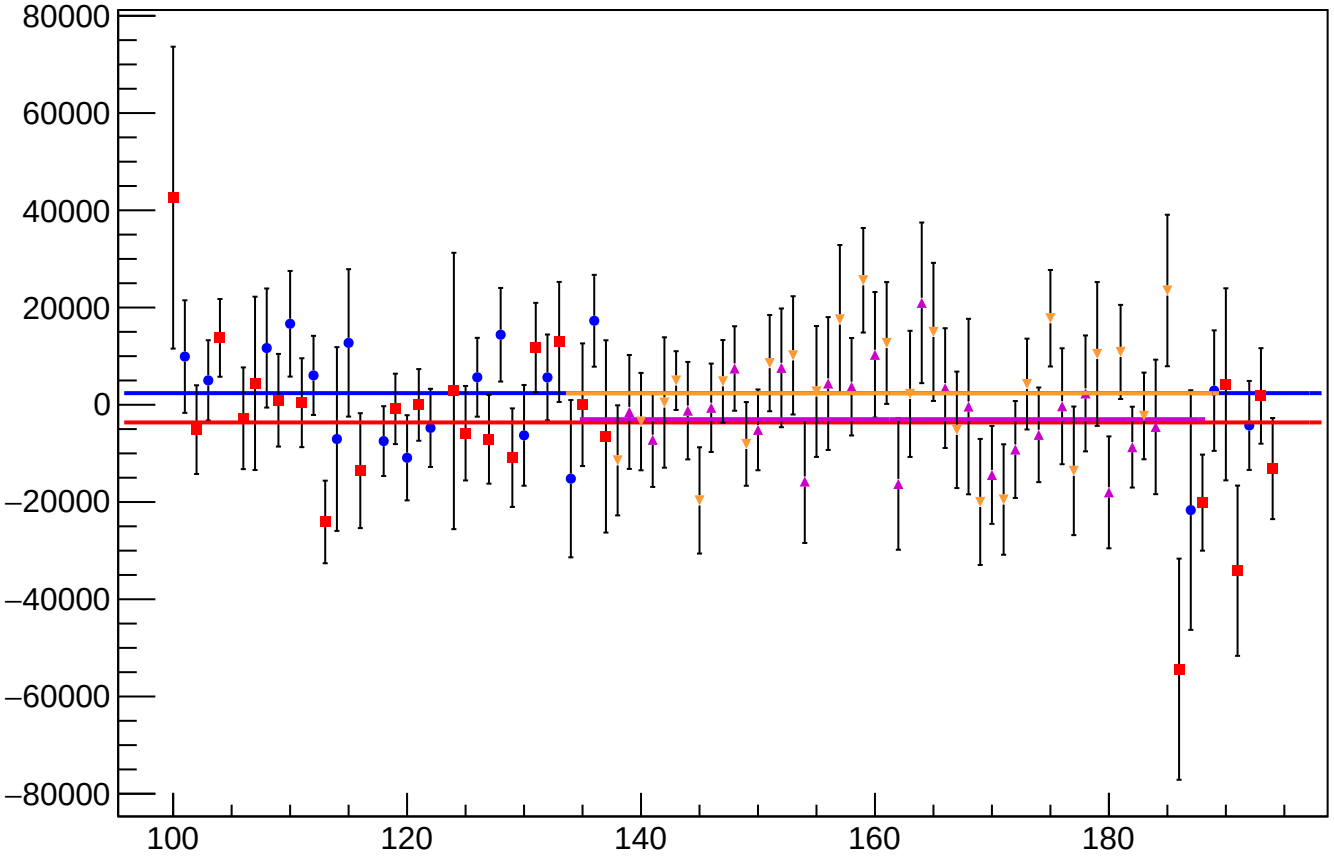
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 7929.394+/-1.124 χ^2/NDF: 4607797.0/42

All: 7820.114+/-0.772 χ^2/NDF: 10115737.0/8

- sign 7722.442+/-1.063 χ^2/NDF: 5490035.4/46

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: -3629.628+/-2127.702 χ^2/NDF: 32.1/24

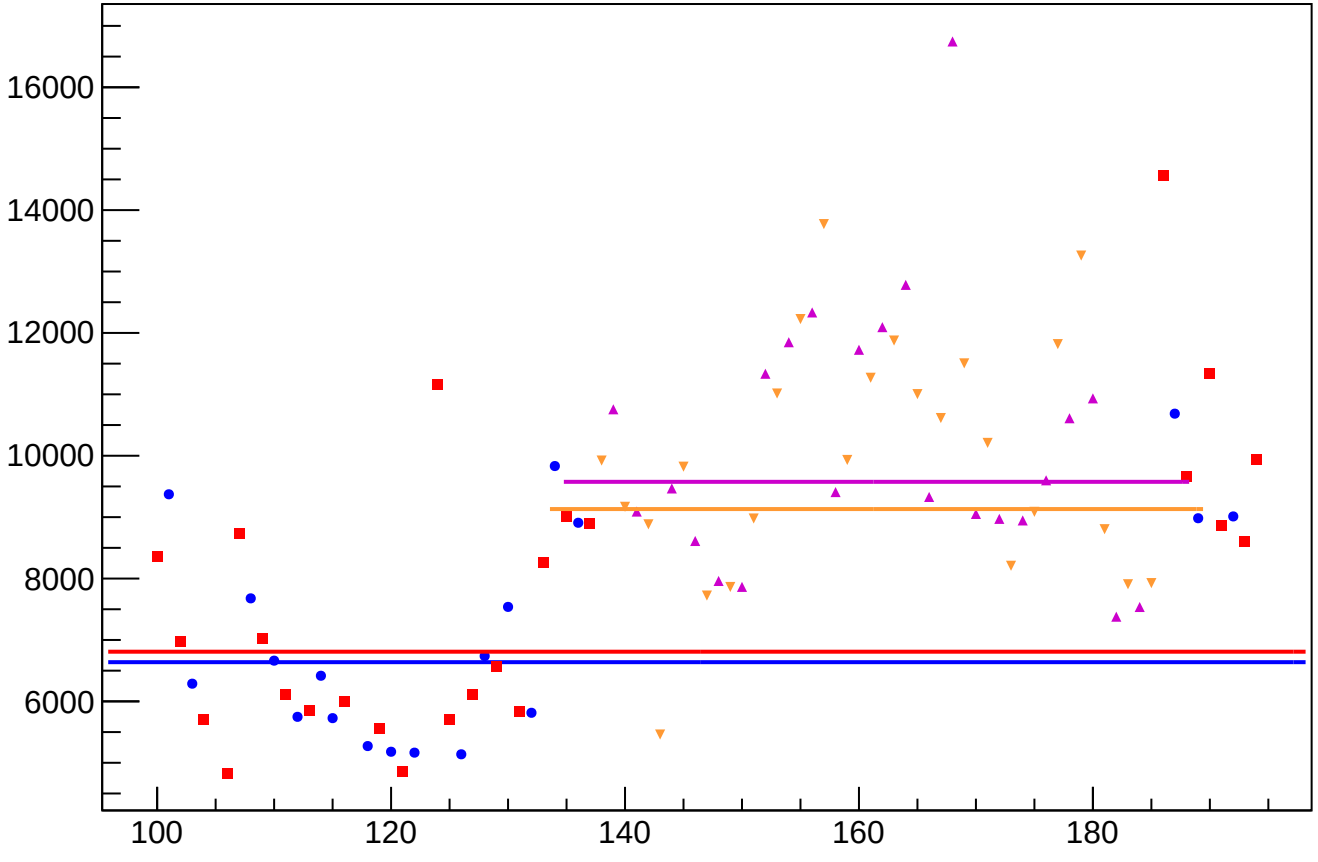
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2390.428+/-1562.088 χ^2/NDF: 46.2/43

All: -477.057+/-1102.130 χ^2/NDF: 98.0/91

- sign -3319.415+/-1555.228 χ^2/NDF: 45.1/47

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: 6808.961+/-1.505 χ^2/NDF: 1384773.9/24

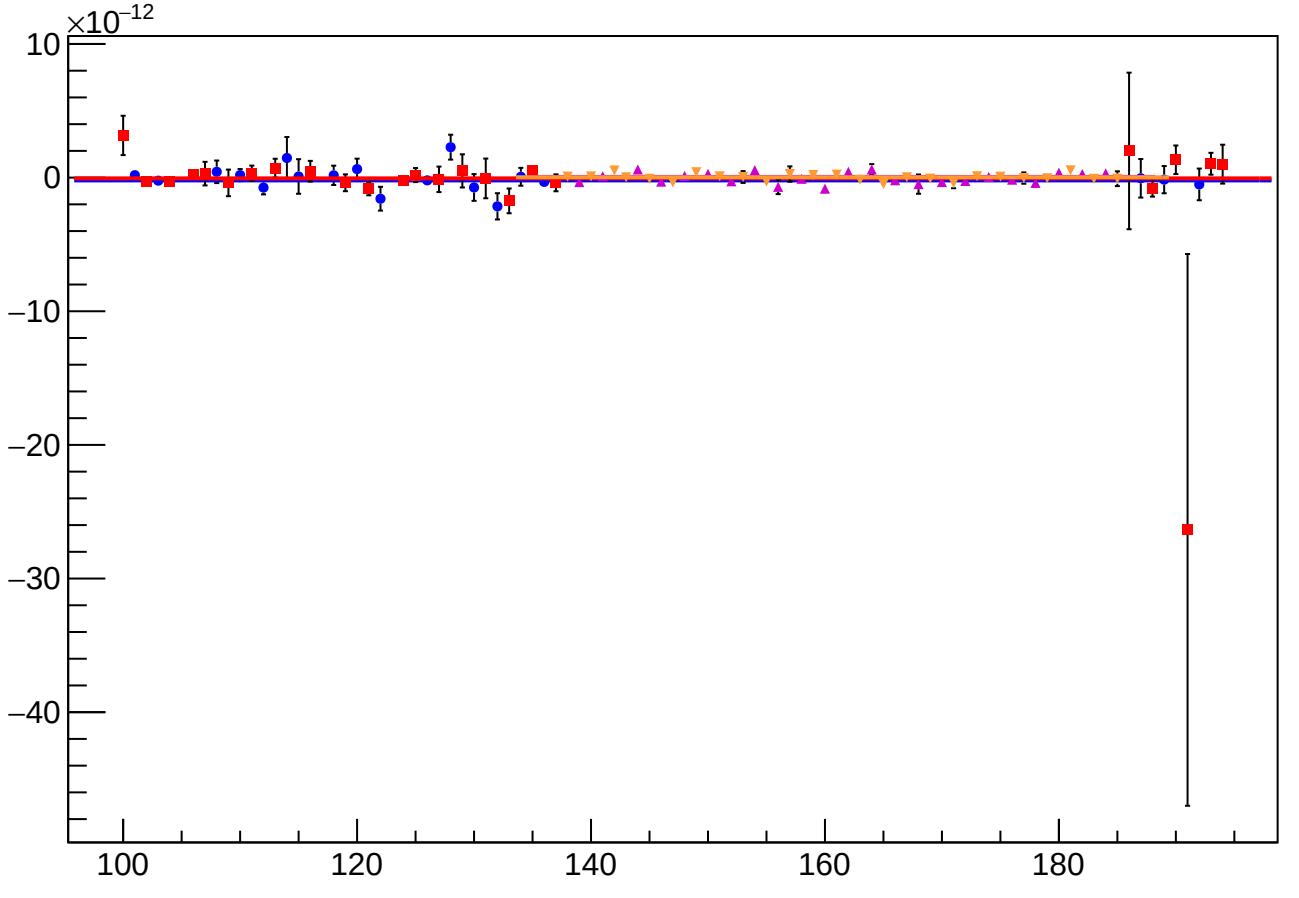
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 7971.174+/-1.105 χ^2/NDF: 3990339.8/43

All: 8034.501+/-0.779 χ^2/NDF: 8109902.9/91

- sign 8097.274+/-1.100 χ^2/NDF: 4113017.9/47

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.0/24

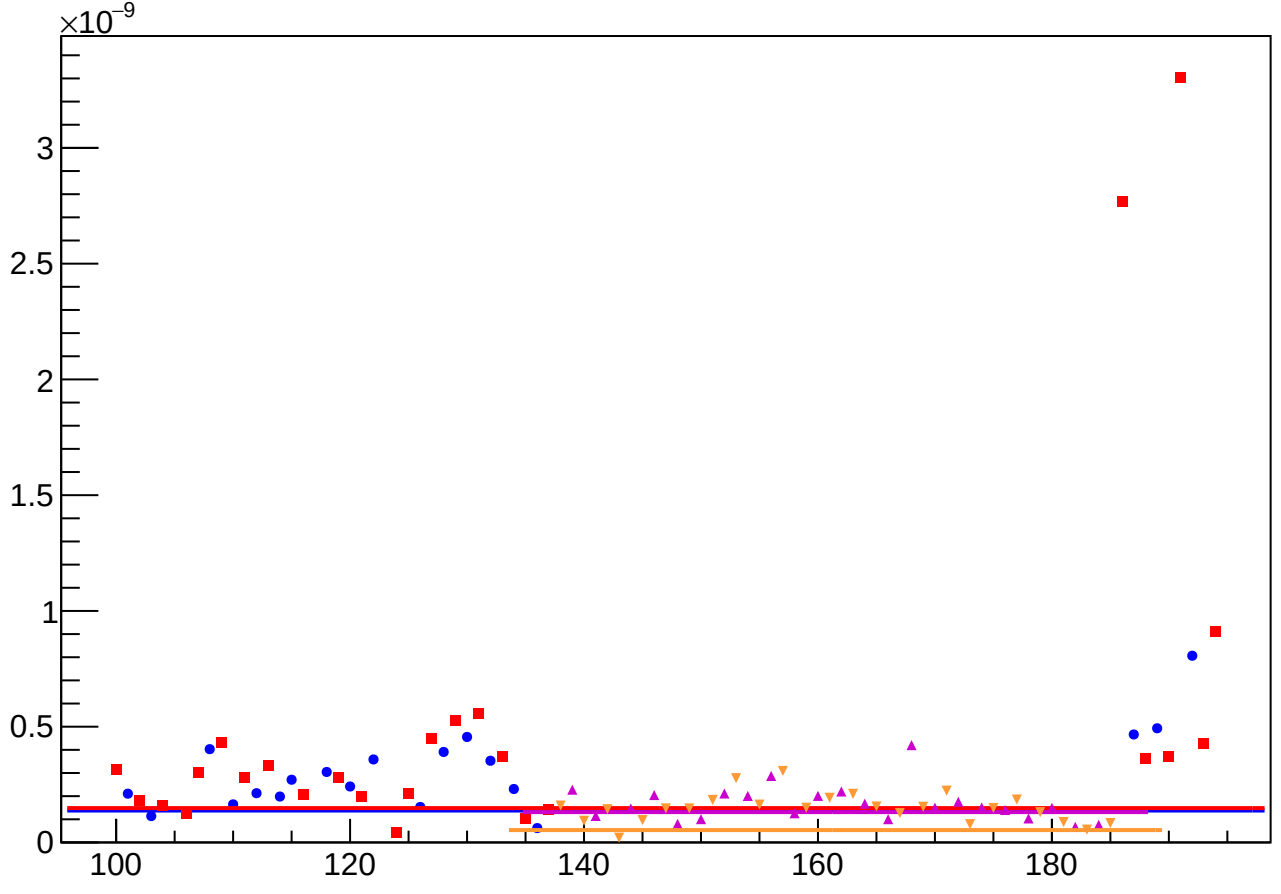
Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.5/43

All: 0.000+/-0.000 χ^2/NDF: 110.3/91

- sign 0.000+/-0.000 χ^2/NDF: 65.7/47

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: 3894797.0/24

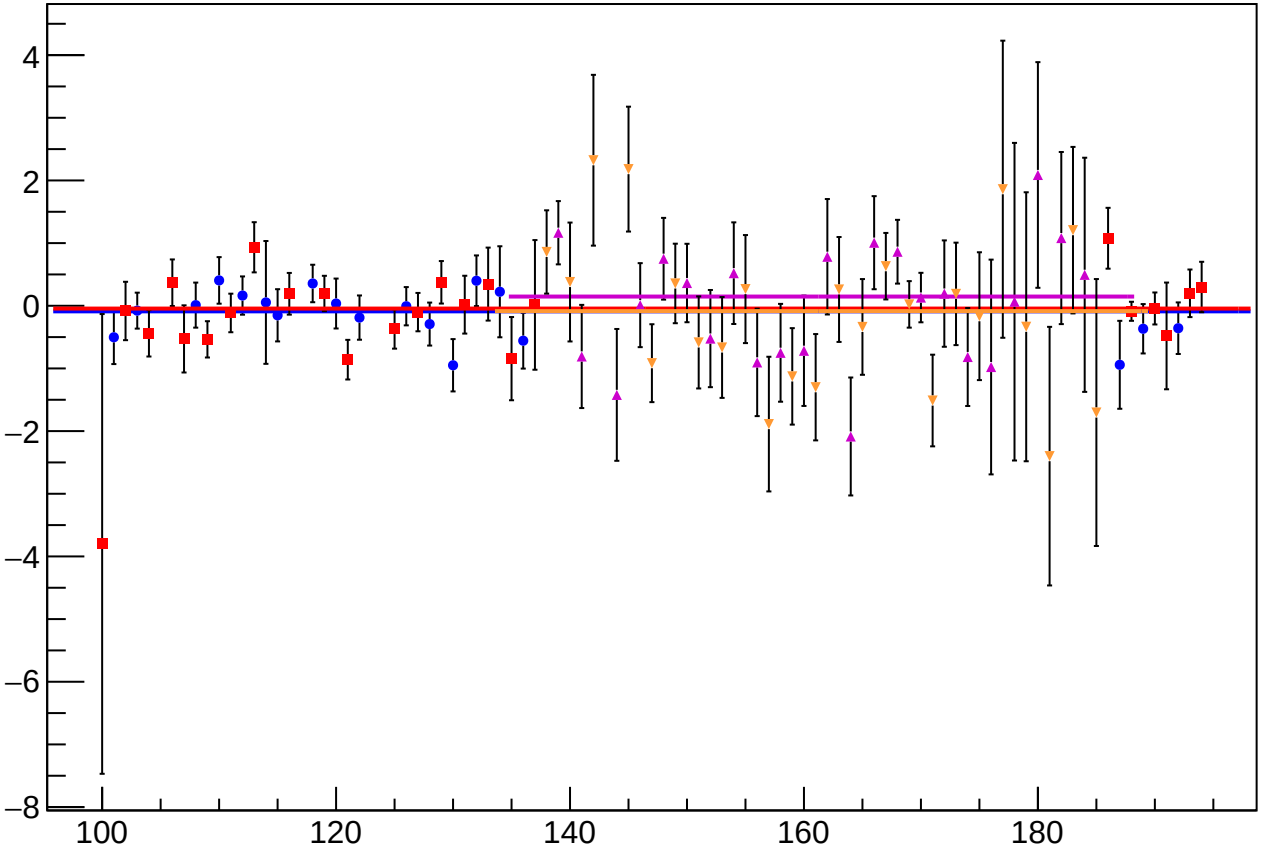
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11422714.4/43

All: 0.000+/-0.000 χ^2/NDF: 20934341.2/91

- sign 0.000+/-0.000 χ^2/NDF: 5850289.5/47

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: -0.045+/-0.071 χ^2/NDF: 32.4/23

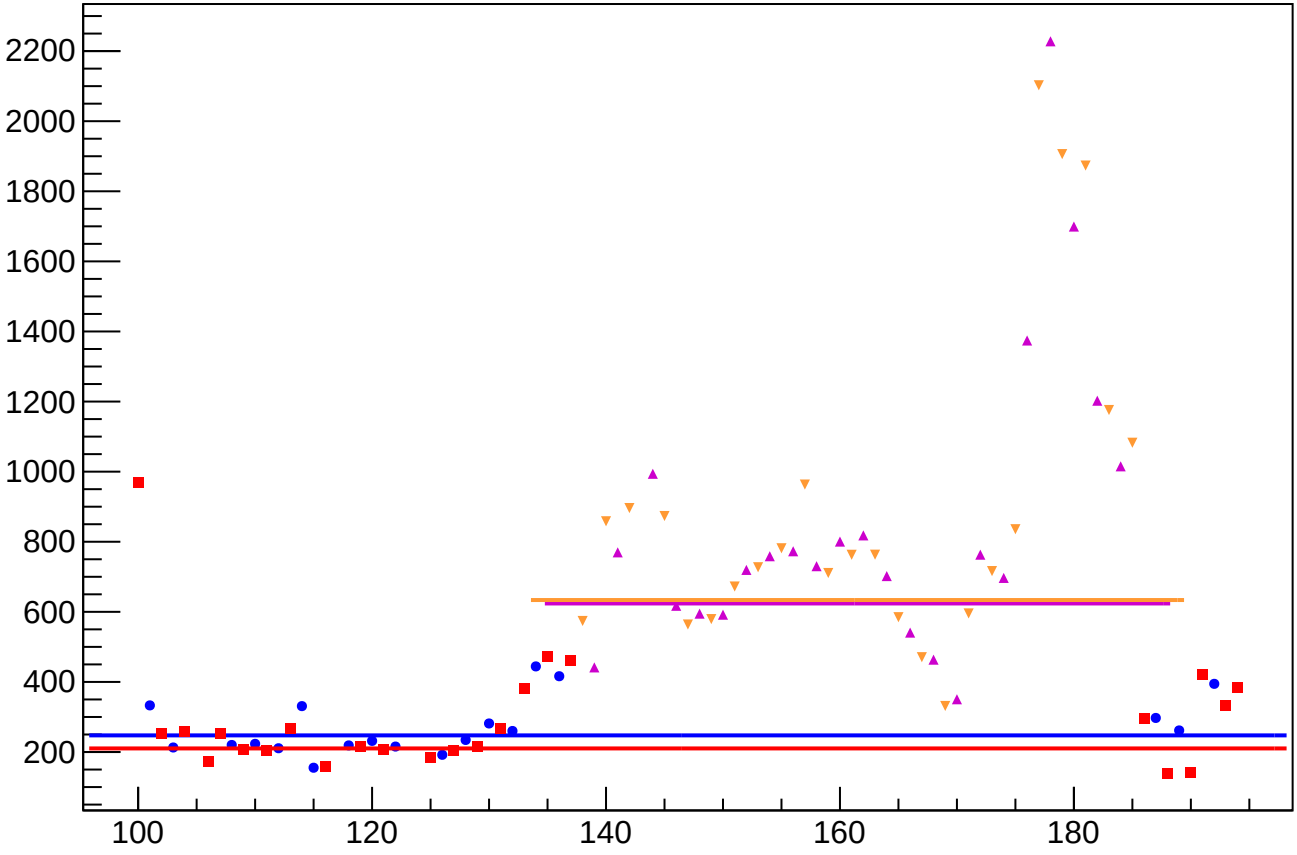
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.088+/-0.078 χ^2/NDF: 46.0/42

All: -0.044+/-0.050 χ^2/NDF: 106.6/89

- sign -0.013+/-0.064 χ^2/NDF: 60.1/46

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: 210.247+/-0.050 χ^2/NDF: 2262783.7/23

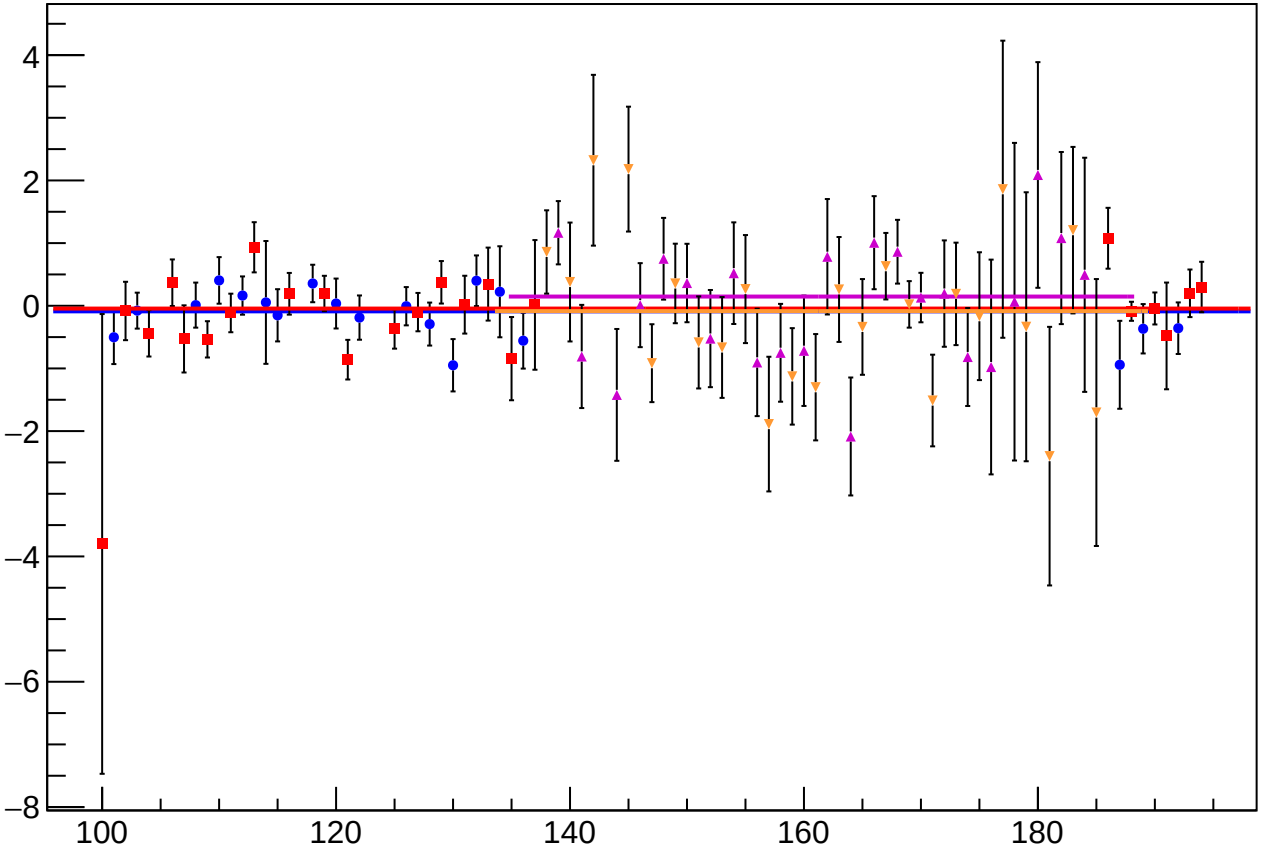
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 336.544+/-0.055 χ^2/NDF: 14895384.5/42

All: 302.466+/-0.035 χ^2/NDF: 33756822.6/89

- sign 278.906+/-0.046 χ^2/NDF: 18207716.9/46

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: -0.045+/-0.071 χ^2/NDF: 32.4/23

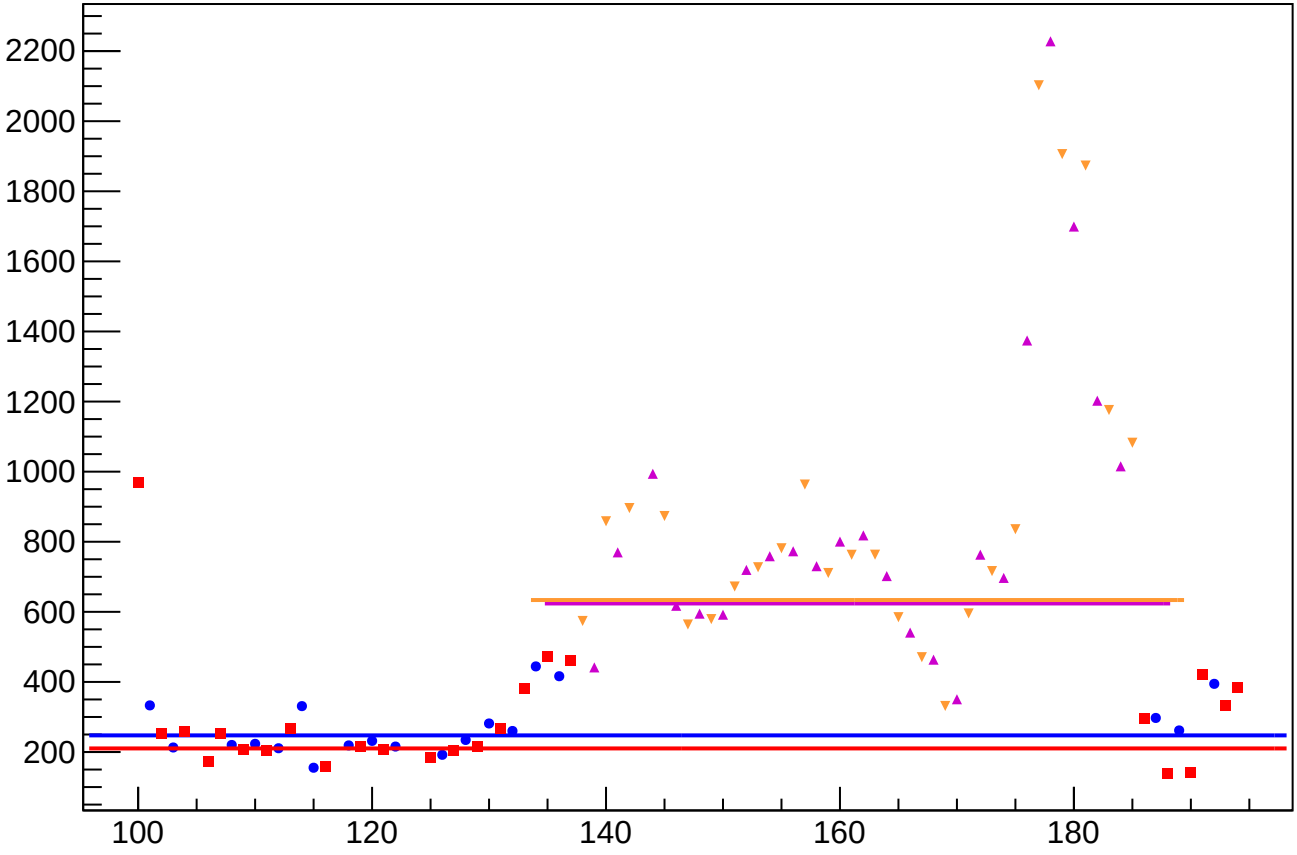
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.088+/-0.078 χ^2/NDF: 46.0/42

All: -0.044+/-0.050 χ^2/NDF: 106.6/89

- sign -0.013+/-0.064 χ^2/NDF: 60.1/46

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

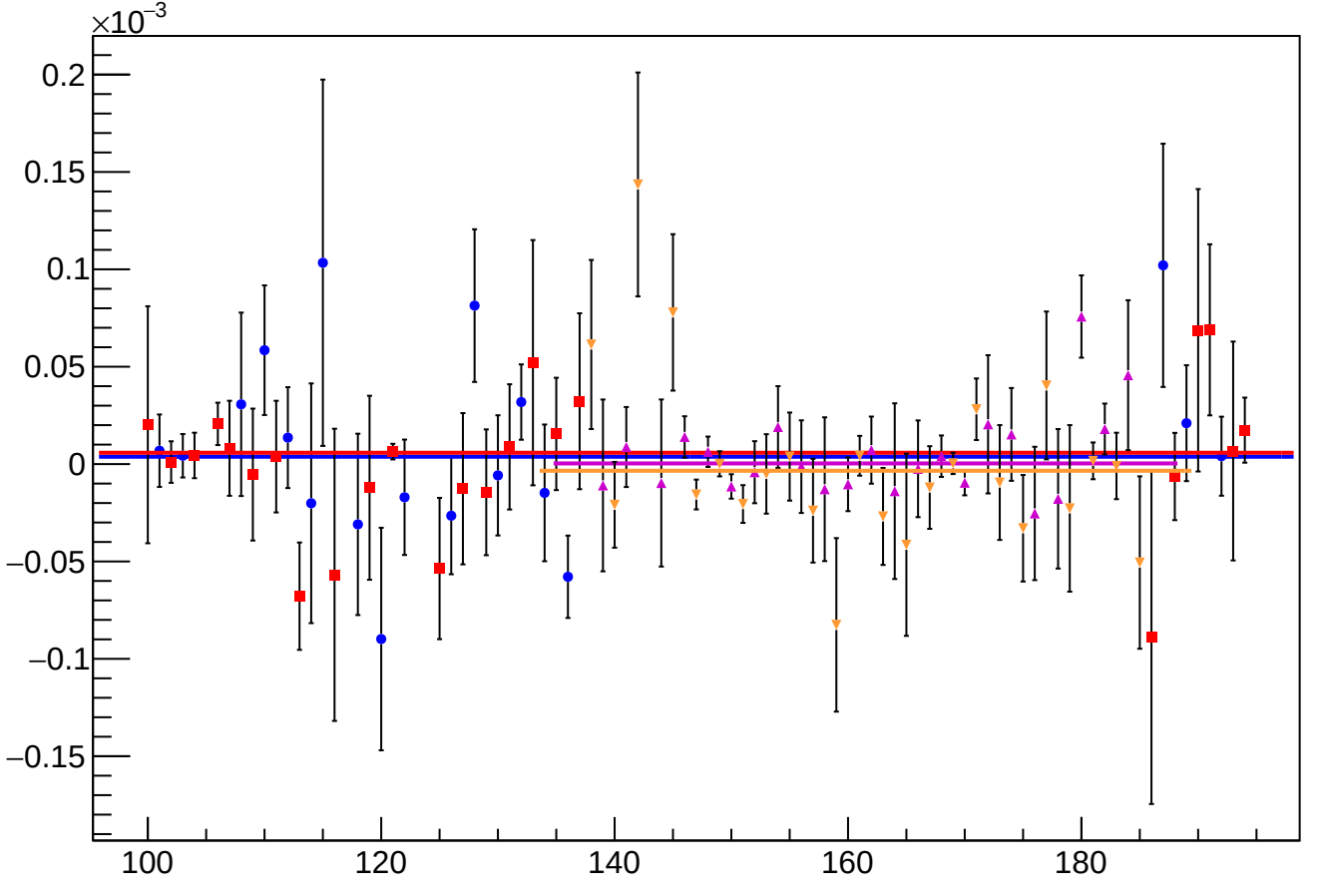
Right Out: 210.247+/-0.050 χ^2/NDF: 2262783.7/23

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 336.544+/-0.055 χ^2/NDF: 14895384.5/42

All: 302.466+/-0.035 χ^2/NDF: 33756822.6/89

- sign 278.906+/-0.046 χ^2/NDF: 18207716.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/23

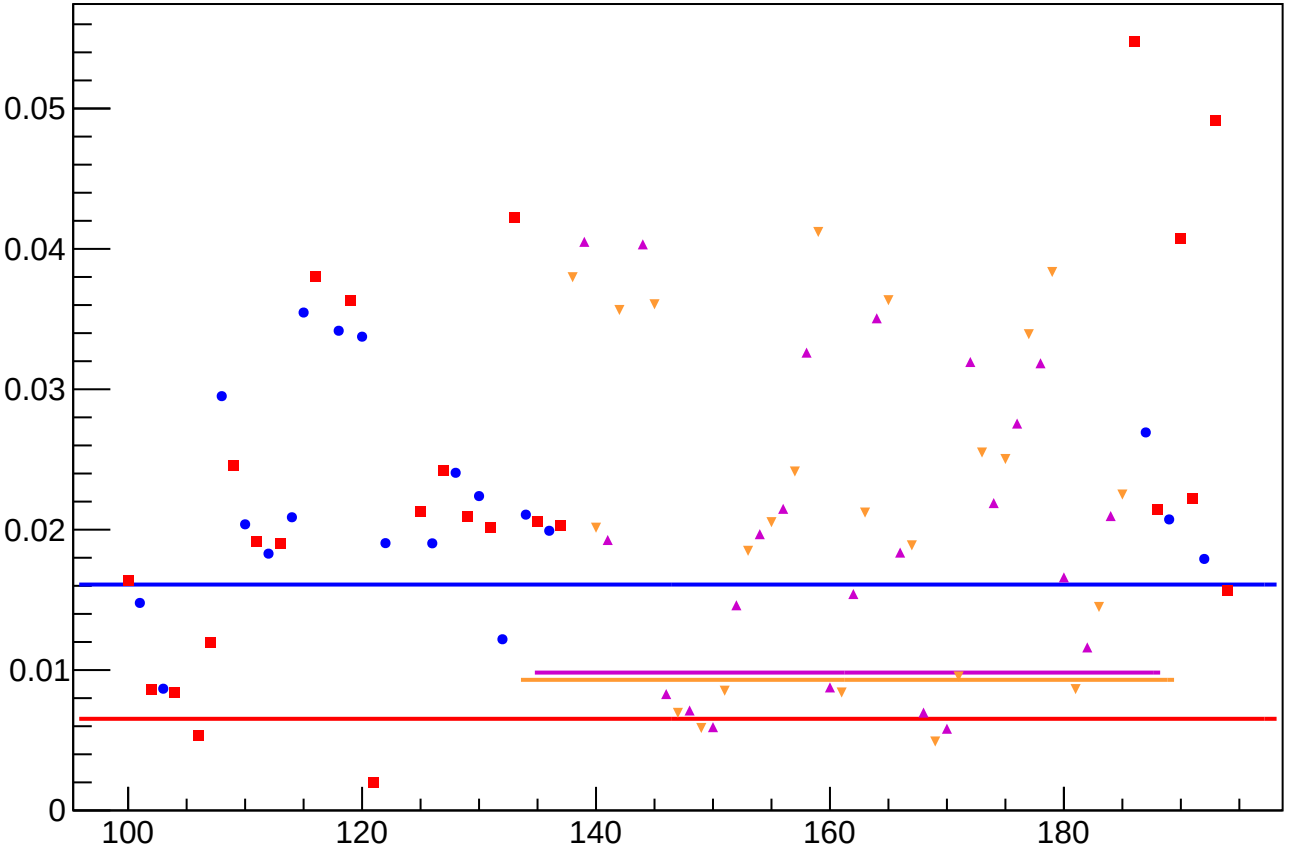
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.4/42

All: 0.000+/-0.000 χ^2/NDF: 113.7/89

- sign 0.000+/-0.000 χ^2/NDF: 48.9/46

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: 0.007+/-0.000 χ^2/NDF: 12114505.4/23

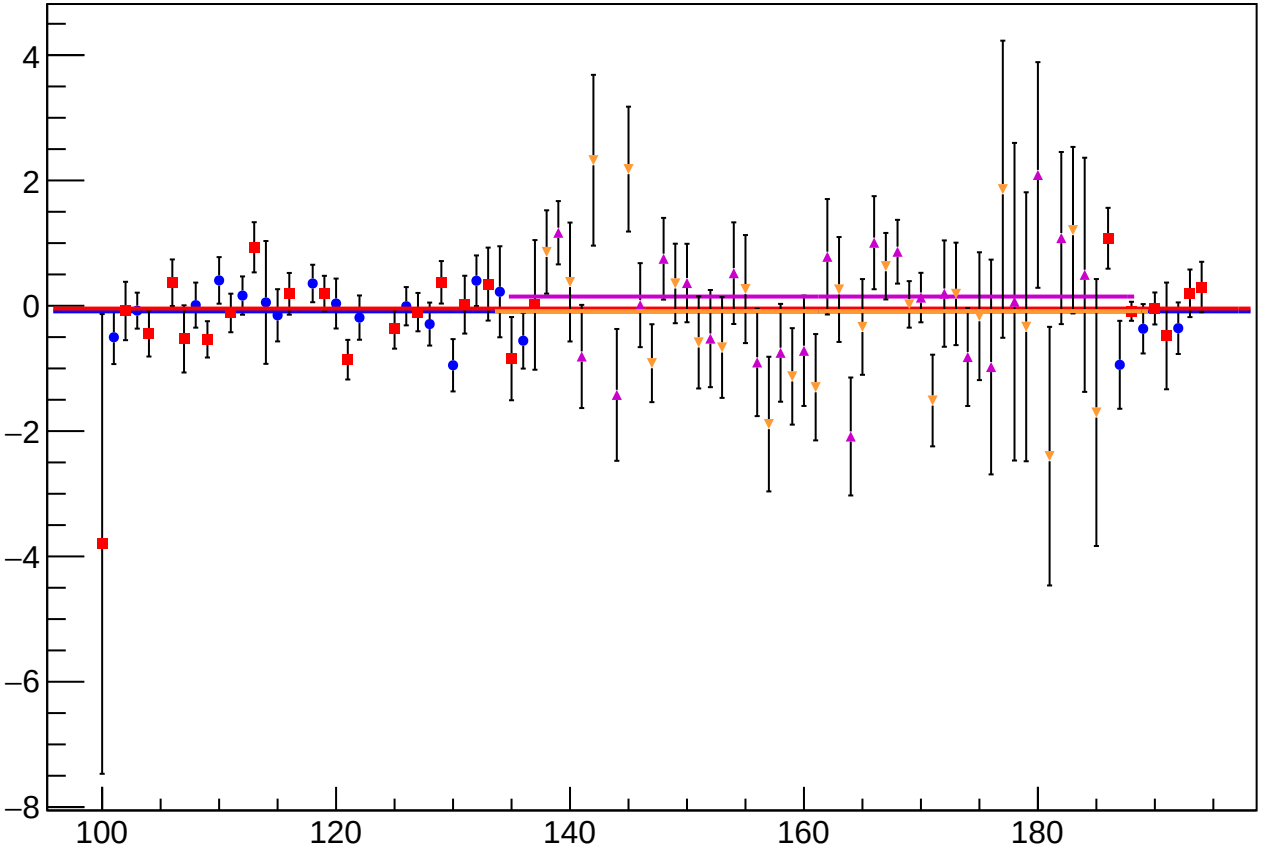
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 16590515.9/42

All: 0.009+/-0.000 χ^2/NDF: 41143737.4/89

- sign 0.008+/-0.000 χ^2/NDF: 23629453.5/46

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: -0.045+/-0.071 χ^2/NDF: 32.4/23

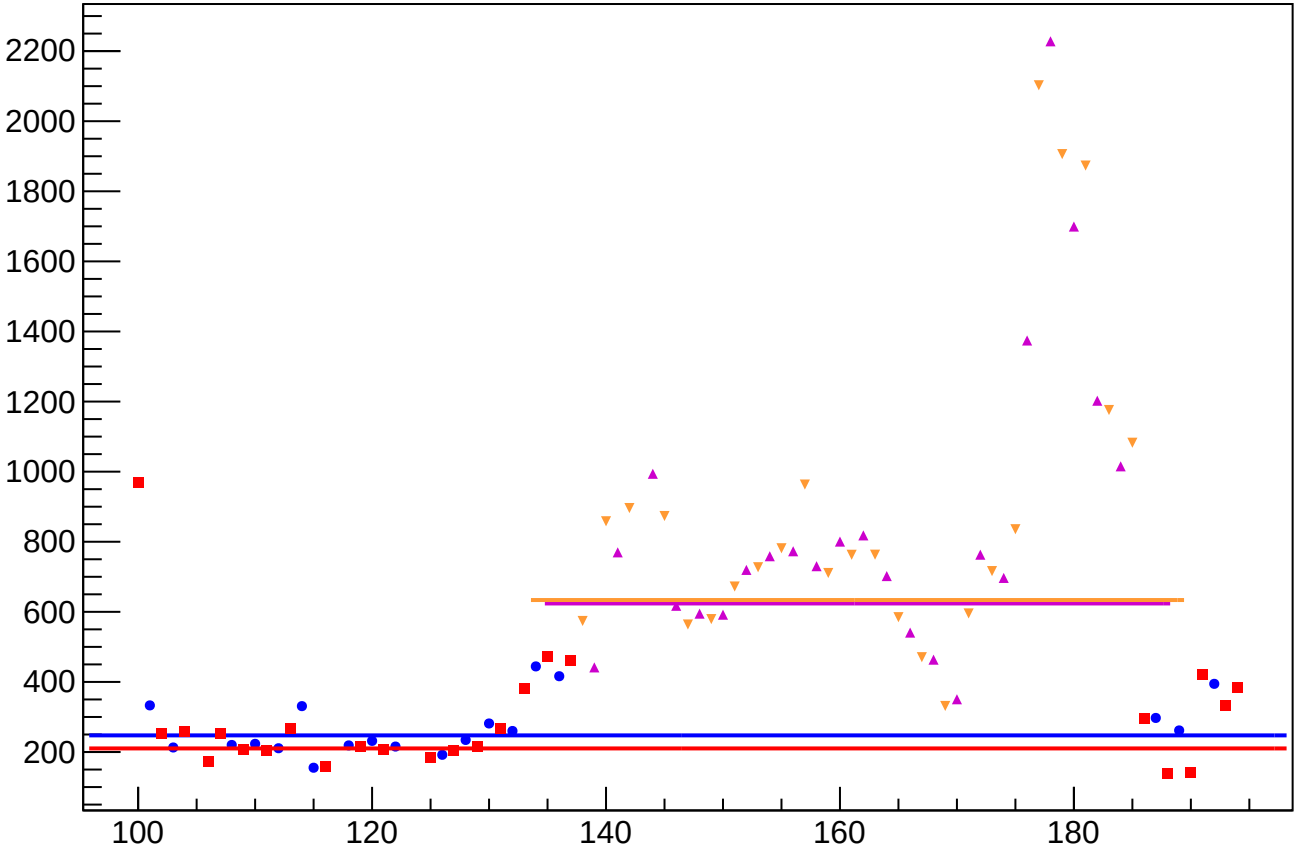
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.088+/-0.078 χ^2/NDF: 46.0/42

All: -0.044+/-0.050 χ^2/NDF: 106.6/89

- sign -0.013+/-0.064 χ^2/NDF: 60.1/46

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

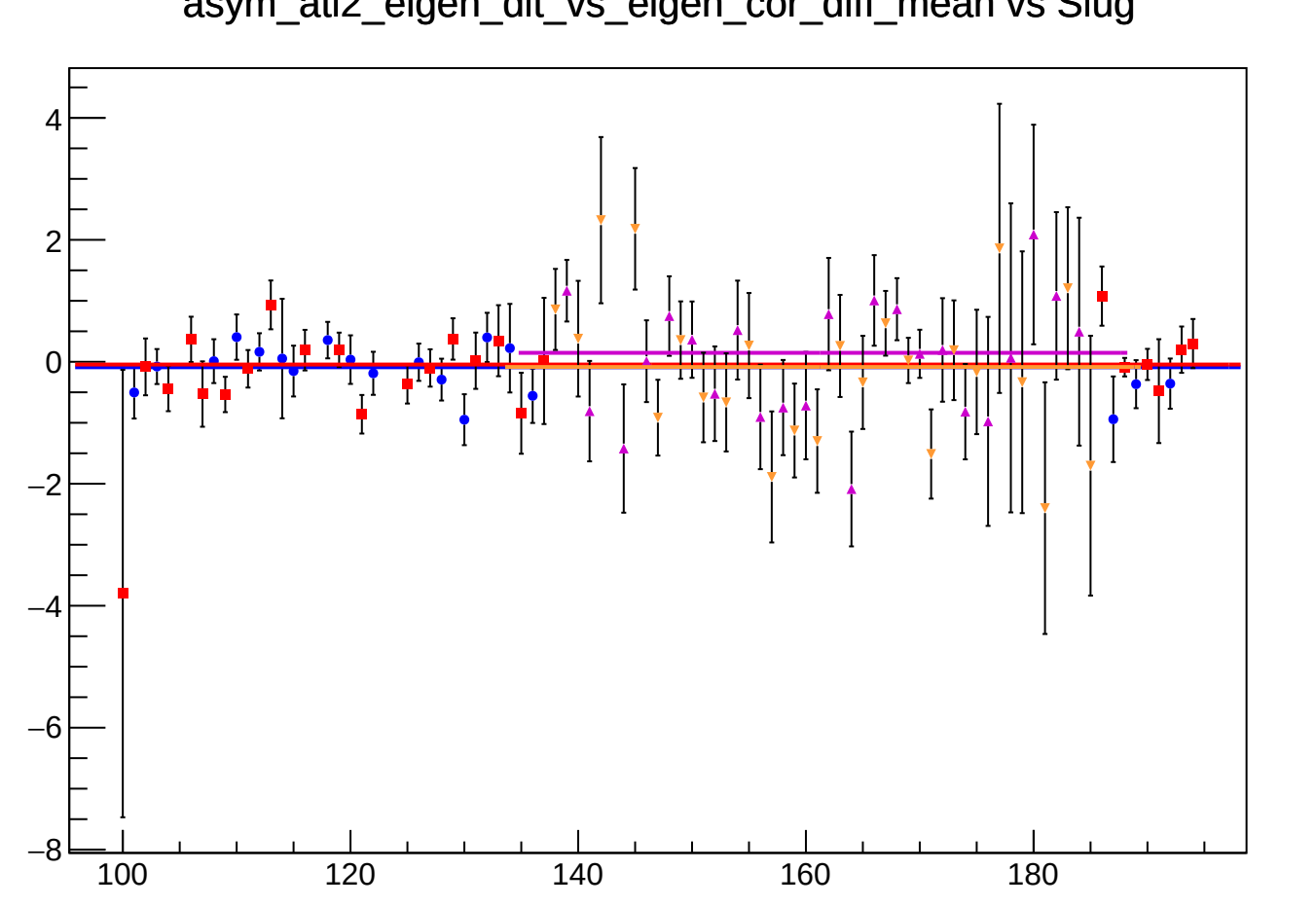
Right Out: 210.244+/-0.050 χ^2/NDF: 2262847.4/23

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 336.545+/-0.055 χ^2/NDF: 14895425.8/42

All: 302.464+/-0.035 χ^2/NDF: 33757336.1/89

- sign 278.903+/-0.046 χ^2/NDF: 18208091.0/46



Right In: -0.089+/-0.088 χ^2/NDF: 15.7/18

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

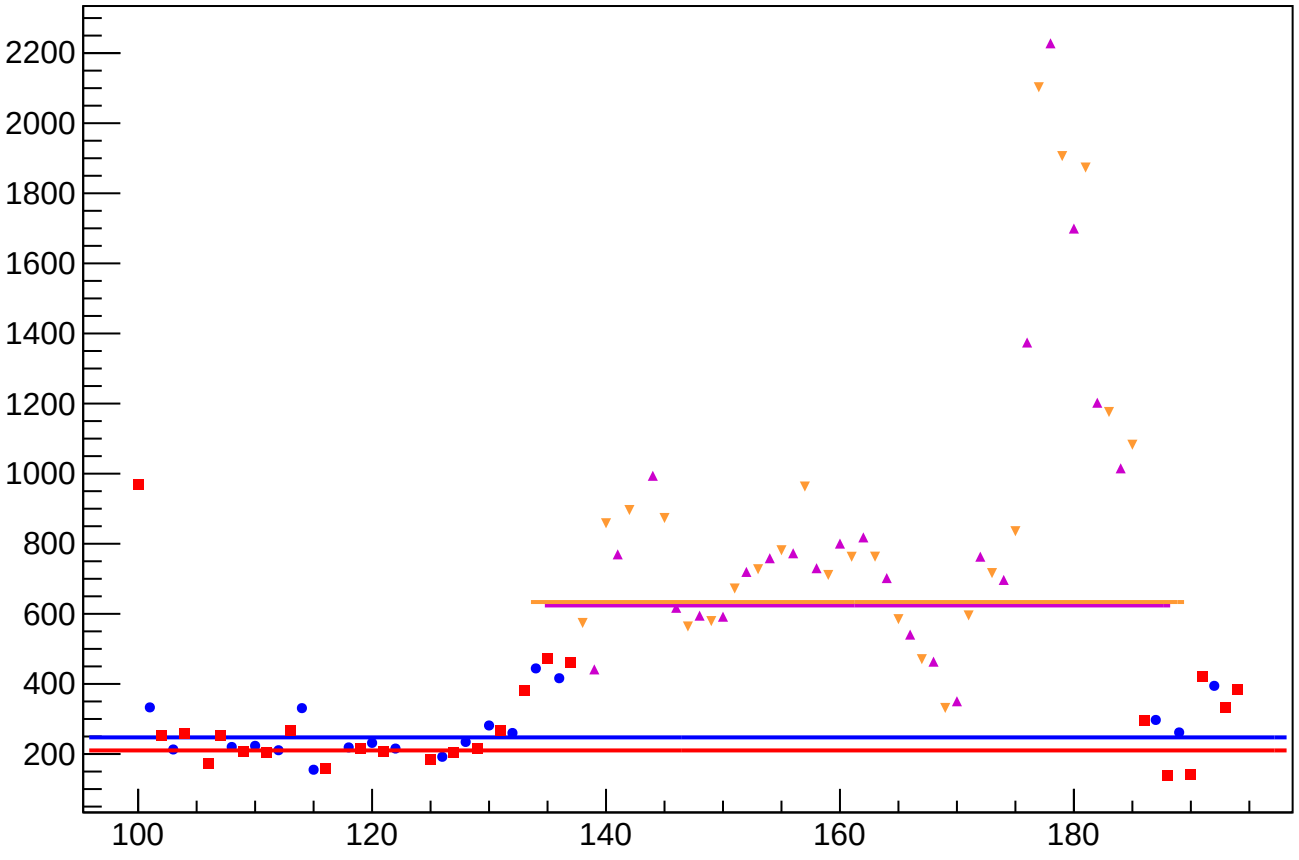
Right Out: -0.045+/-0.071 χ^2/NDF: 32.4/23

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

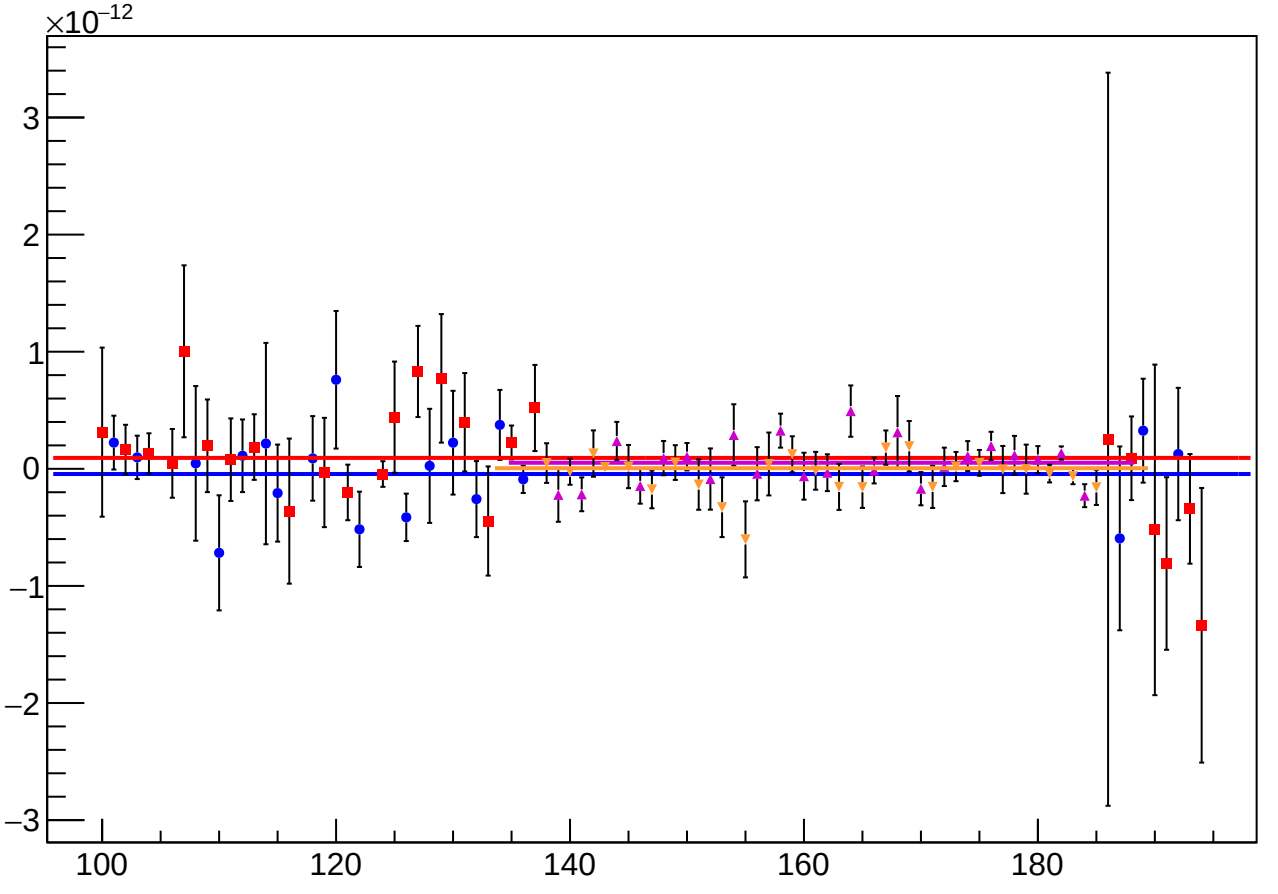
+ sign -0.088+/-0.078 χ^2/NDF: 46.0/42

All: -0.044+/-0.050 χ^2/NDF: 106.6/89

- sign -0.013+/-0.064 χ^2/NDF: 60.1/46


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
Right In: 247.495+/-0.062 χ²/NDF: 1095012.6/18
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 210.244+/-0.050 χ²/NDF: 2262847.4/23
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
+ sign 336.545+/-0.055 χ²/NDF: 14895425.8/42
All: 302.464+/-0.035 χ²/NDF: 33757336.1/89
- sign 278.903+/-0.046 χ²/NDF: 18208091.0/46

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

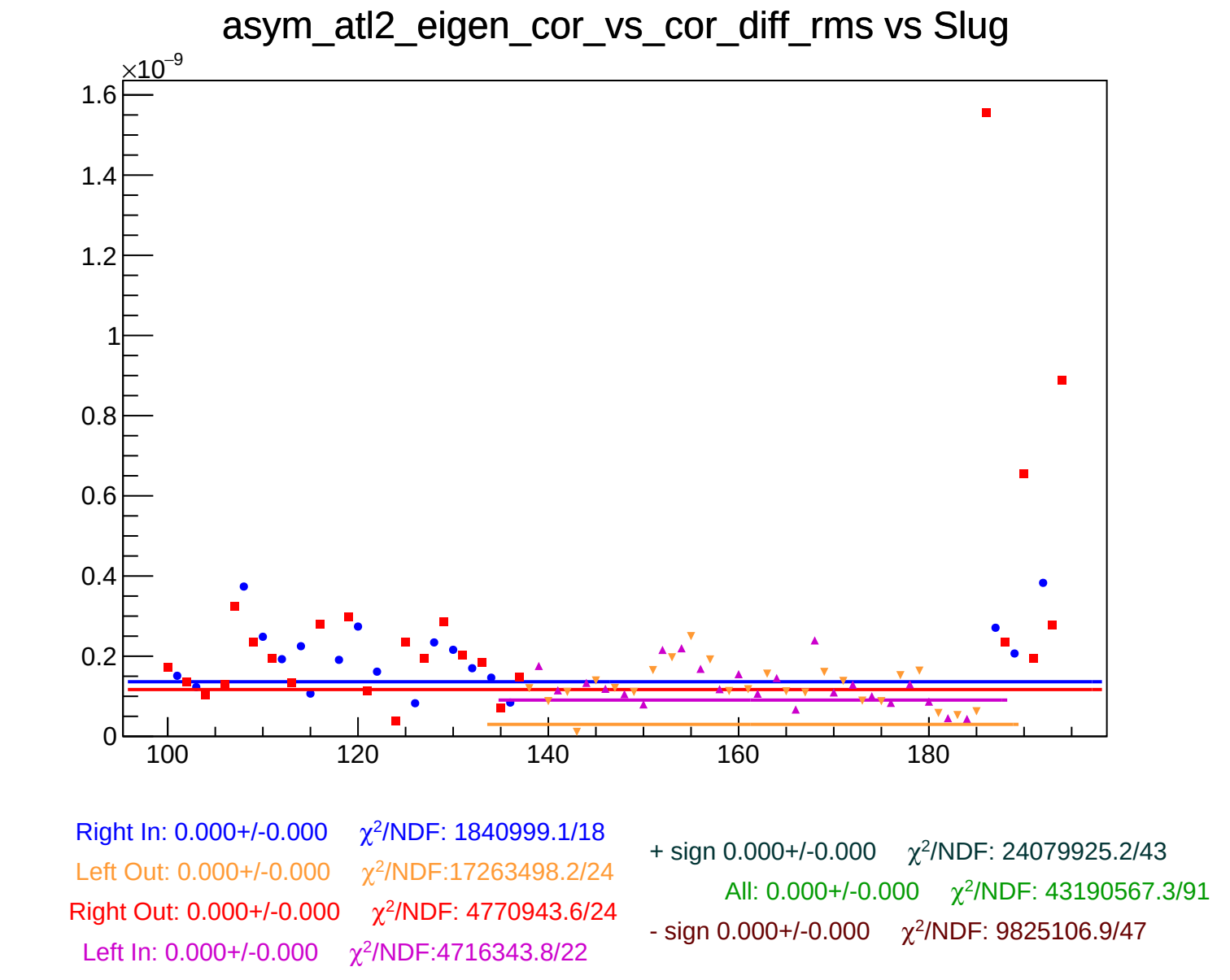
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/24

Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

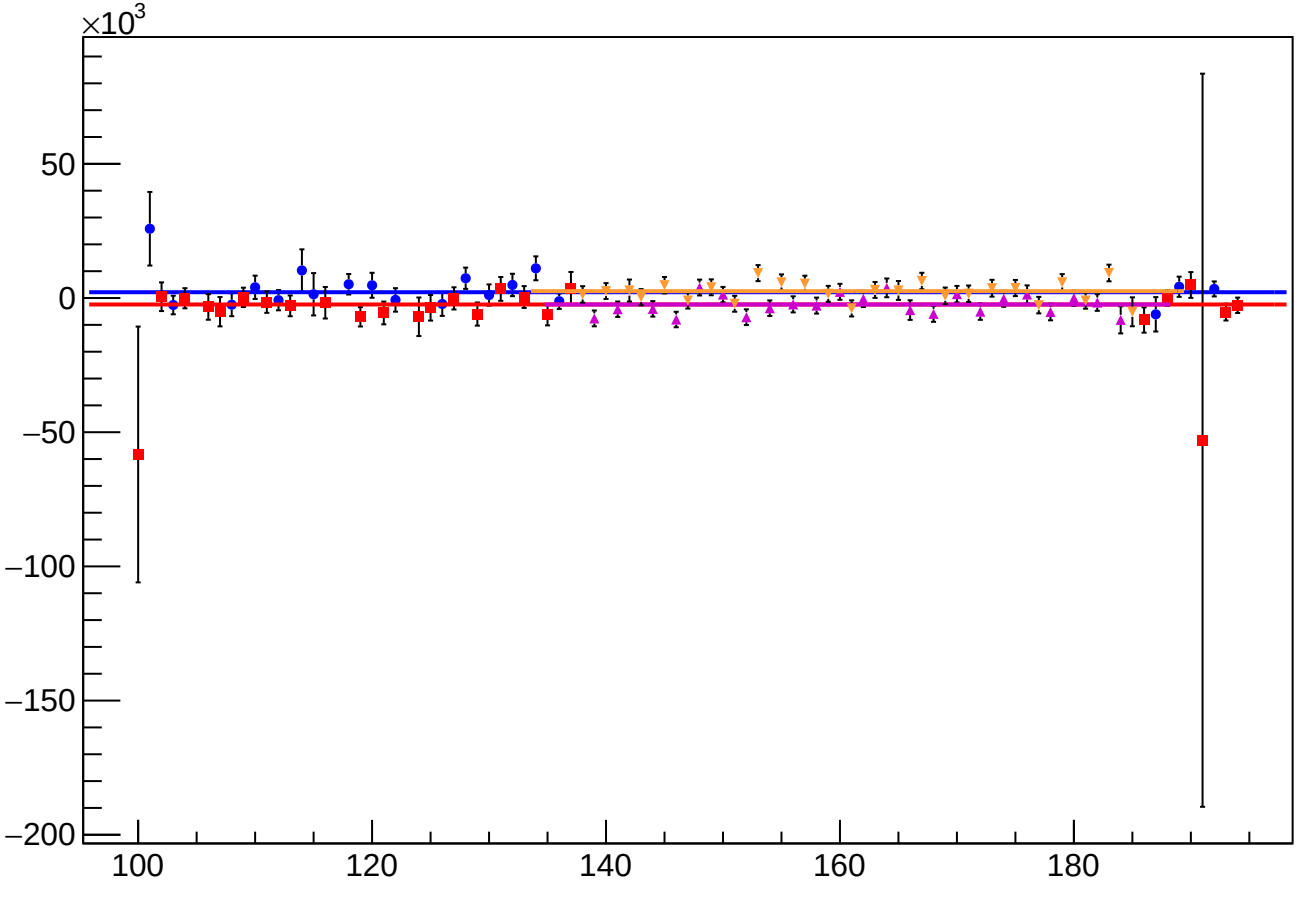
+ sign 0.000+/-0.000 χ^2/NDF: 32.4/43

All: 0.000+/-0.000 χ^2/NDF: 89.6/91

- sign 0.000+/-0.000 χ^2/NDF: 53.2/47


asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 1840999.1/18
Left Out: 0.000+/-0.000 χ²/NDF:17263498.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 4770943.6/24
Left In: 0.000+/-0.000 χ²/NDF:4716343.8/22
+ sign 0.000+/-0.000 χ²/NDF: 24079925.2/43
All: 0.000+/-0.000 χ²/NDF: 43190567.3/91
- sign 0.000+/-0.000 χ²/NDF: 9825106.9/47

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: -2404.069+/-857.687 χ^2/NDF: 16.2/24

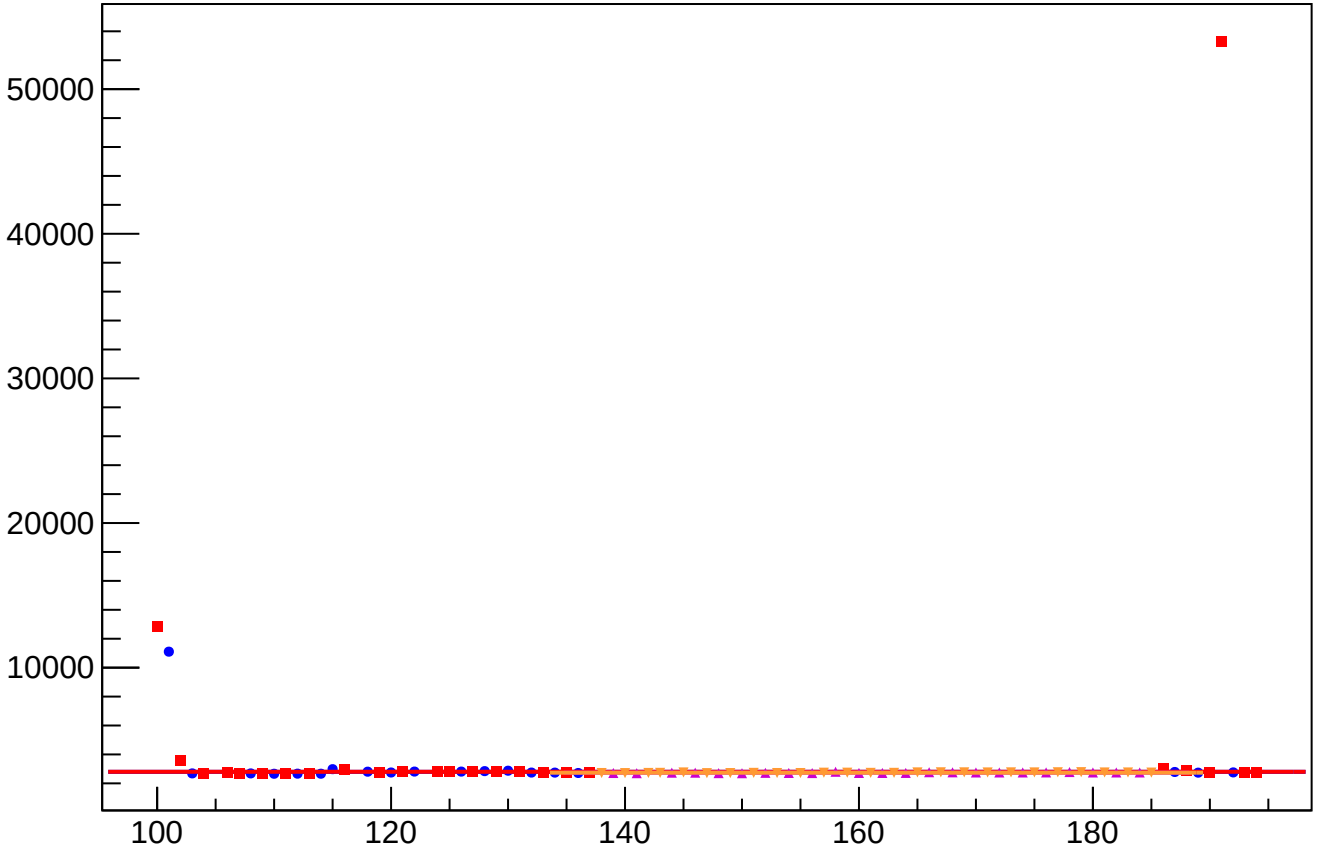
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2440.298+/-521.164 χ^2/NDF: 51.6/43

All: -22.483+/-365.524 χ^2/NDF: 143.2/91

- sign -2406.800+/-512.795 χ^2/NDF: 47.6/47

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: 2800.940+/-0.606 χ^2/NDF: 478364.7/24

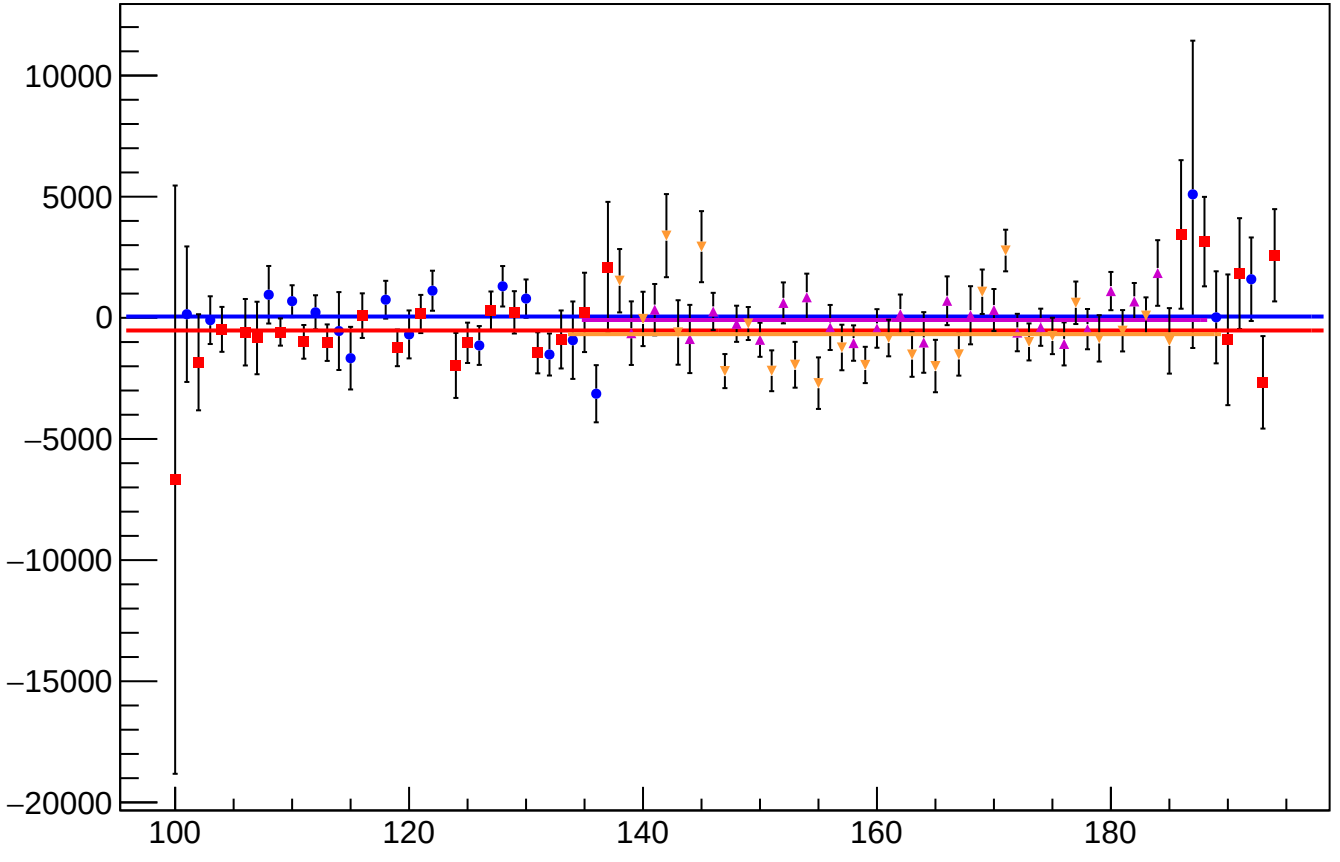
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.692+/-0.369 χ^2/NDF: 754664.2/43

All: 2758.251+/-0.258 χ^2/NDF: 1243091.0/91

- sign 2761.696+/-0.363 χ^2/NDF: 488243.3/47

asym_atr1_reg_correction_mean vs Slug



Right In: 53.536+/-229.524 χ^2/NDF: 24.2/18

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -522.270+/-209.785 χ^2/NDF: 20.1/24

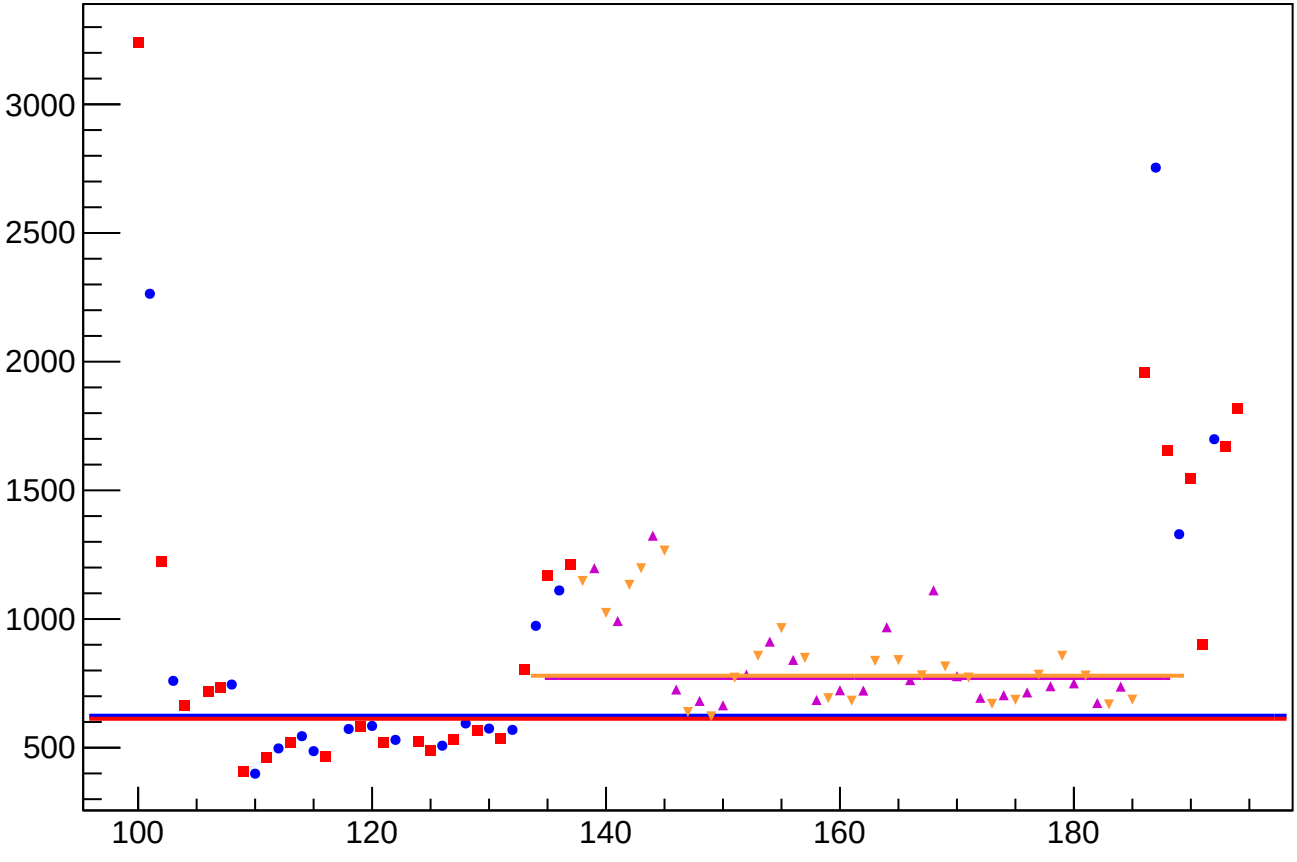
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -394.415+/-142.237 χ^2/NDF: 88.7/43

All: -334.028+/-99.087 χ^2/NDF: 126.4/91

- sign -277.090+/-138.114 χ^2/NDF: 37.3/47

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

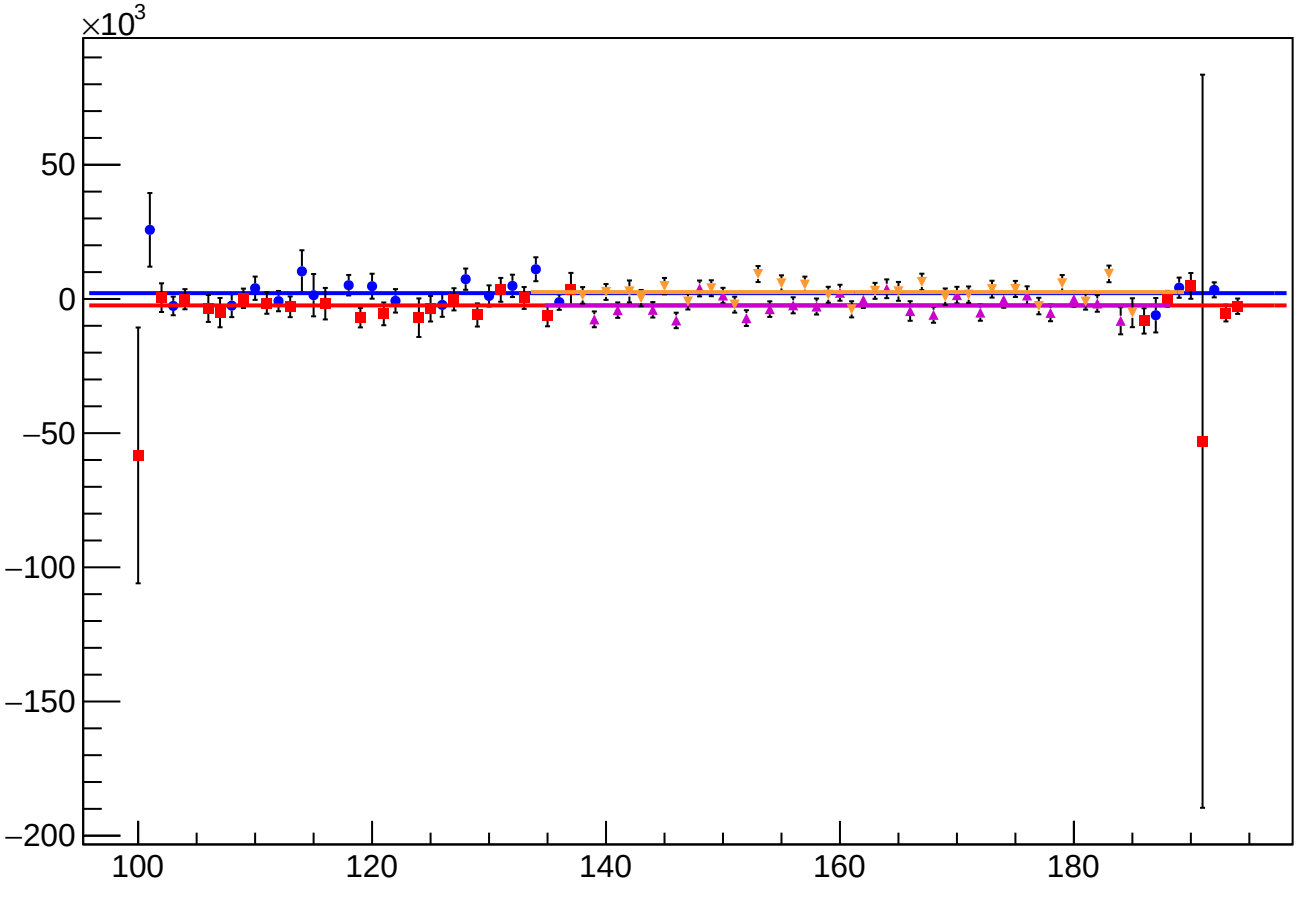
Right Out: 612.481+/-0.148 χ^2/NDF: 3970922.3/24

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 720.021+/-0.101 χ^2/NDF: 4694388.0/43

All: 710.836+/-0.070 χ^2/NDF: 10403176.6/91

- sign 702.175+/-0.098 χ^2/NDF: 5692583.6/47



Right In: 2164.587+/-955.399 χ^2/NDF: 19.9/18

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2408.128+/-859.041 χ^2/NDF: 16.2/24

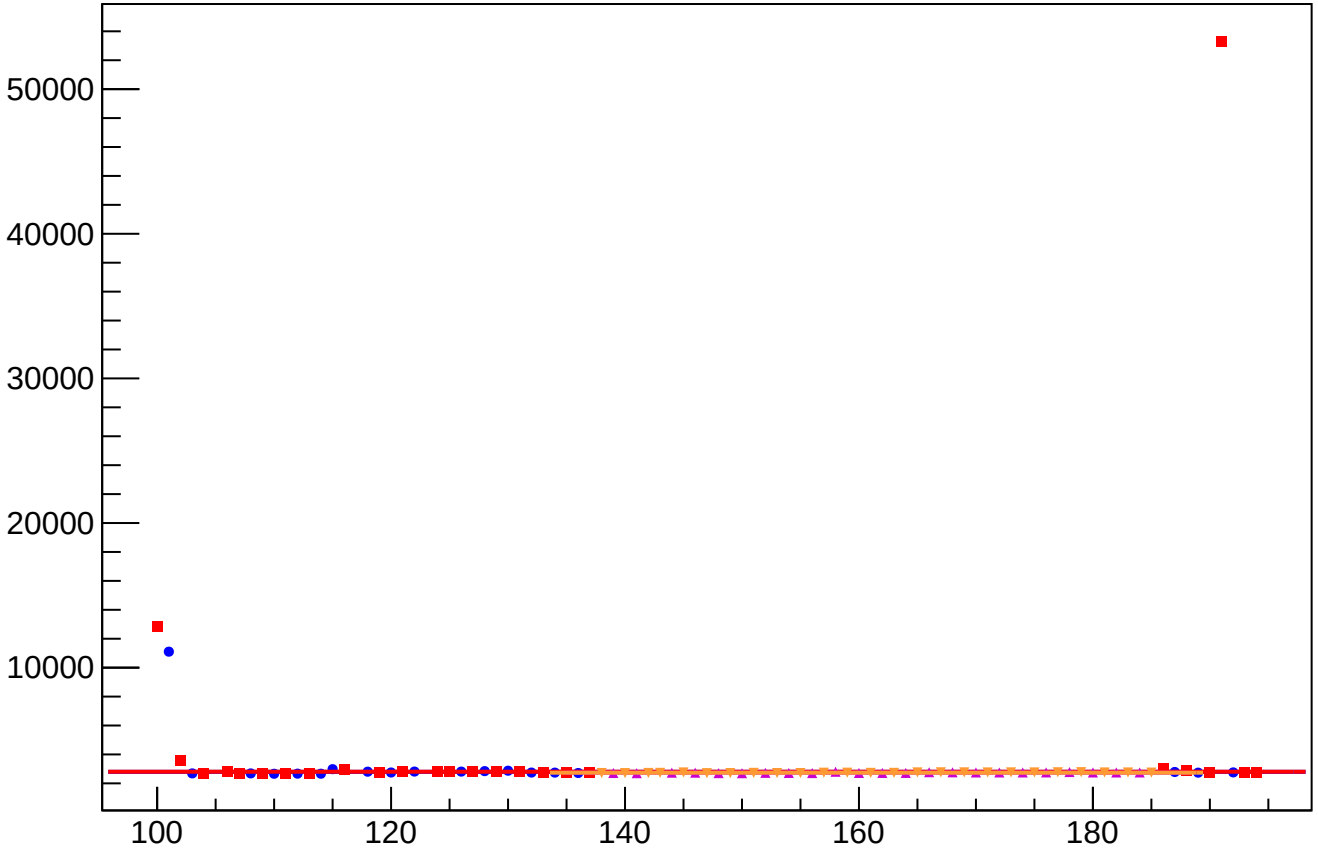
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2440.082+/-521.164 χ^2/NDF: 51.6/43

All: -22.008+/-365.628 χ^2/NDF: 143.2/91

- sign -2408.343+/-513.084 χ^2/NDF: 47.6/47

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: 2804.634+/-0.607 χ^2/NDF: 477885.1/24

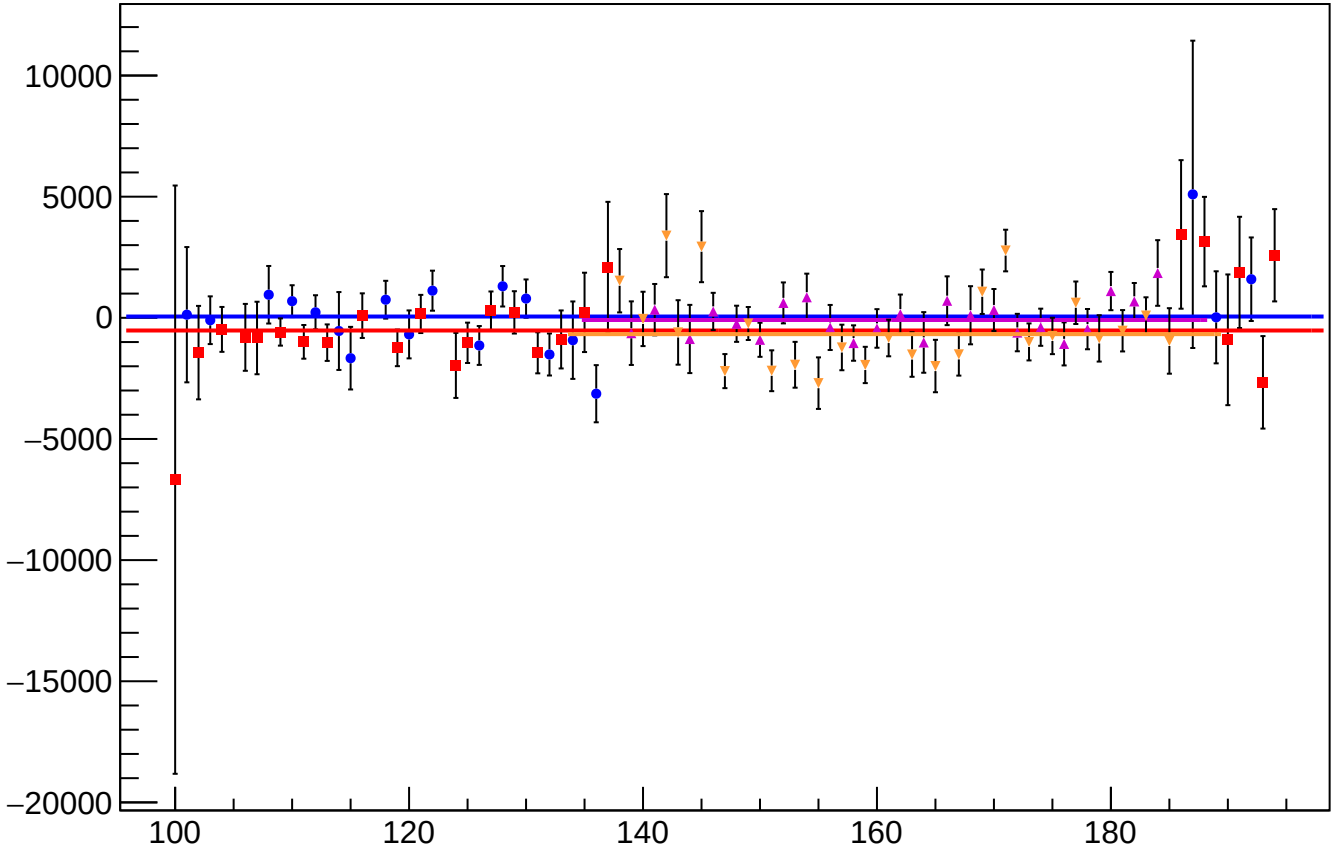
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.692+/-0.369 χ^2/NDF: 754663.3/43

All: 2758.896+/-0.259 χ^2/NDF: 1243480.6/91

- sign 2762.970+/-0.363 χ^2/NDF: 488561.1/47

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: -523.112+/-209.749 χ^2/NDF: 20.0/24

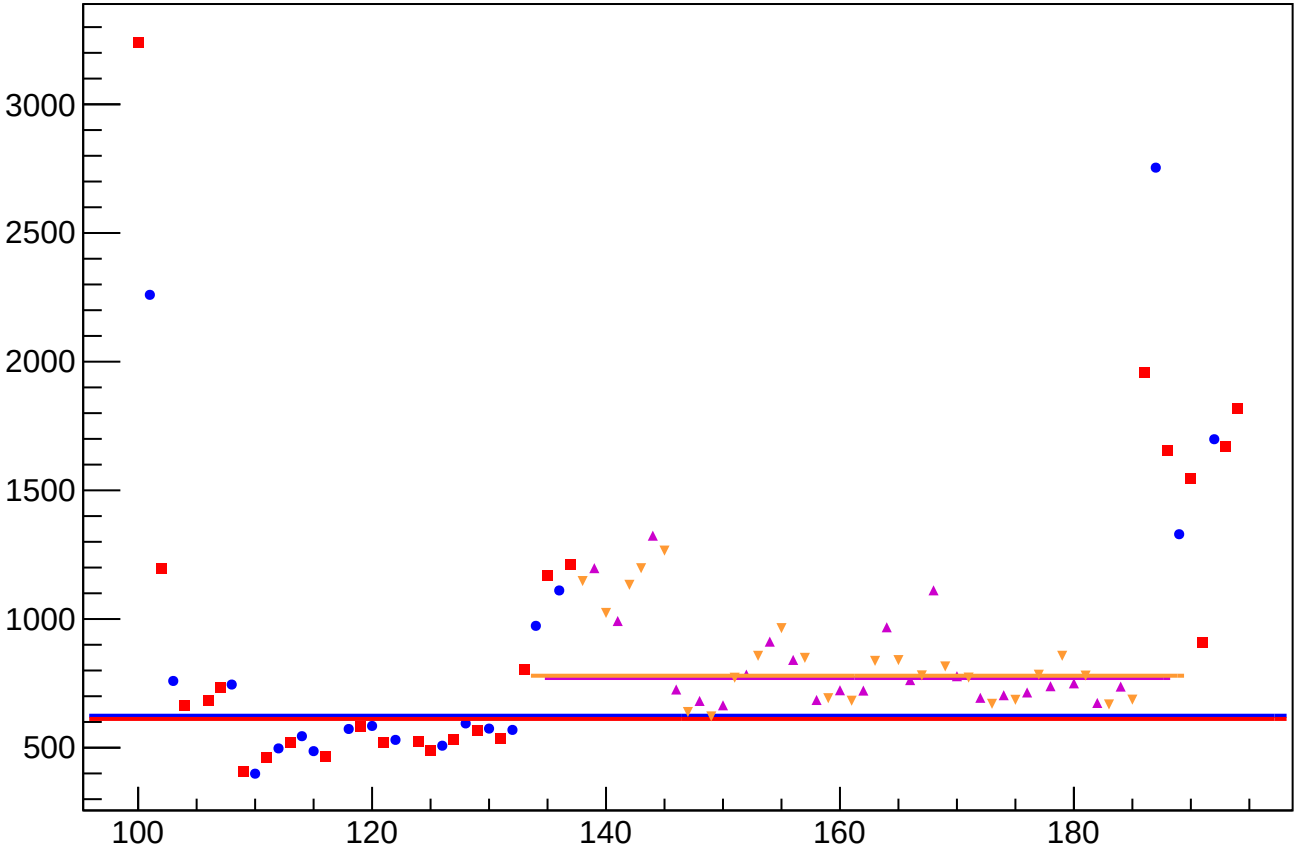
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

\+ sign -394.362+/-142.234 χ^2/NDF: 88.8/43

All: -334.243+/-99.082 χ^2/NDF: 126.3/91

\- sign -277.563+/-138.104 χ^2/NDF: 37.2/47

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: 611.792+/-0.148 χ^2/NDF: 3960804.2/24

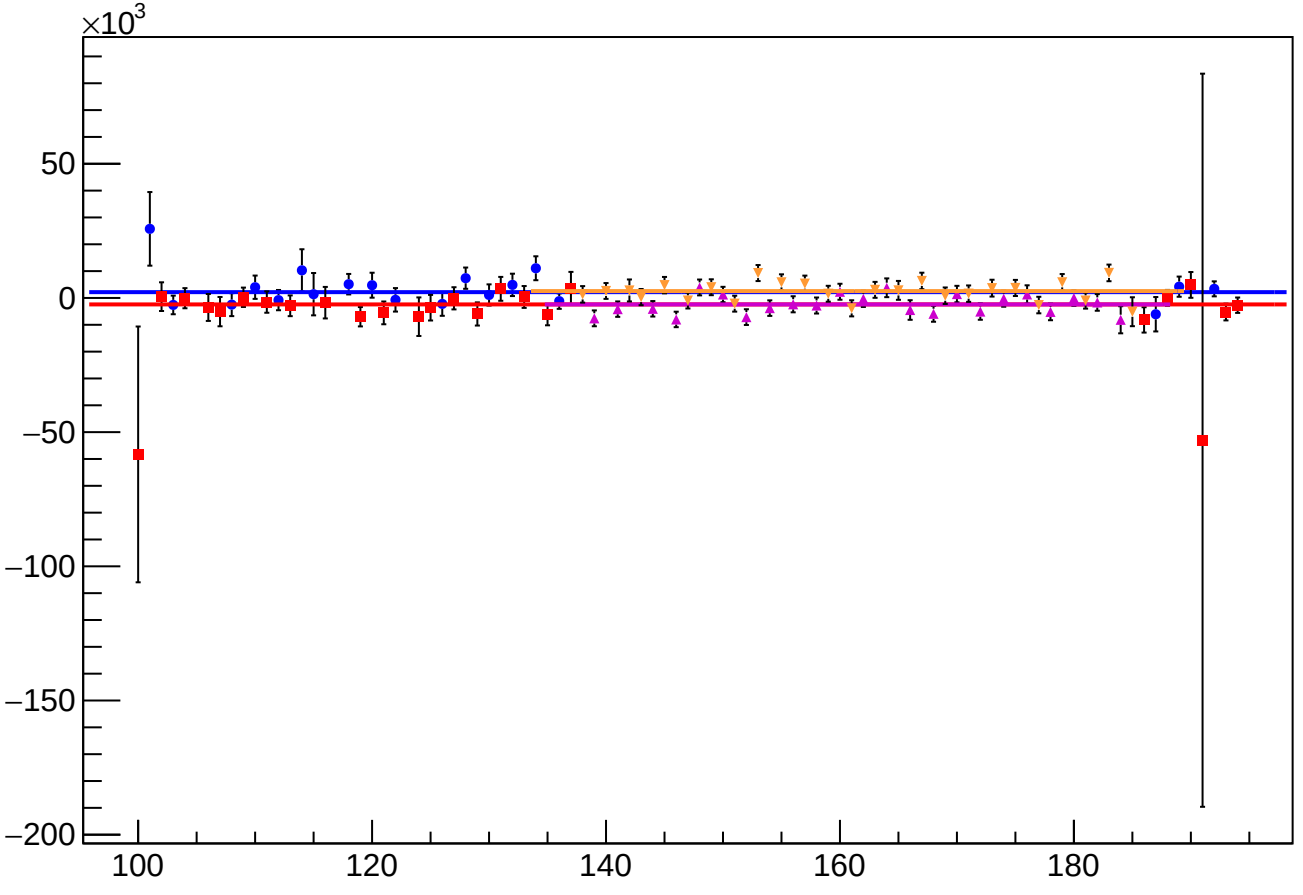
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 720.015+/-0.101 χ^2/NDF: 4693453.8/43

All: 710.673+/-0.070 χ^2/NDF: 10398404.2/91

- sign 701.865+/-0.098 χ^2/NDF: 5688187.9/47

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: -2408.128+/-859.041 χ^2/NDF: 16.2/24

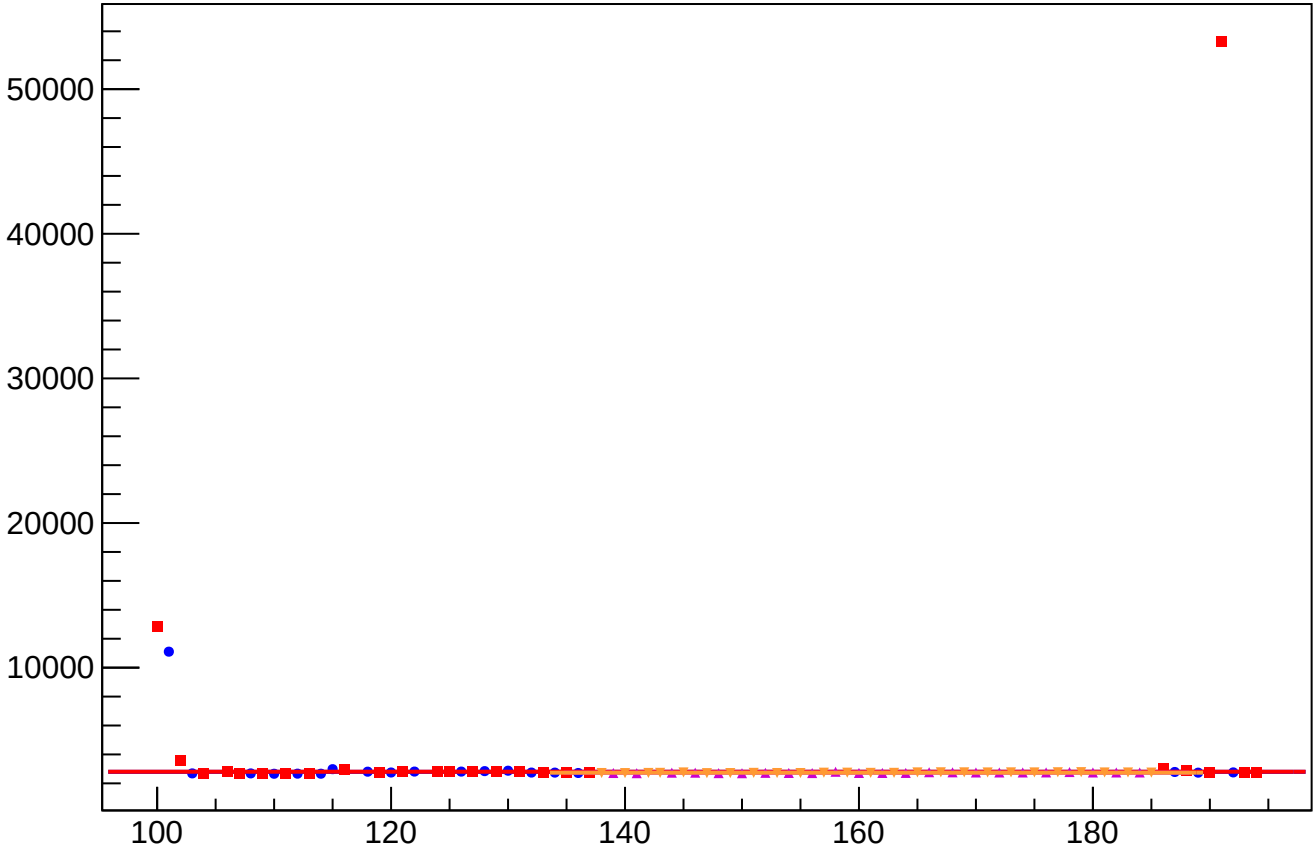
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2440.082+/-521.164 χ^2/NDF: 51.6/43

All: -22.008+/-365.628 χ^2/NDF: 143.2/91

- sign -2408.343+/-513.084 χ^2/NDF: 47.6/47

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: 2804.634+/-0.607 χ^2/NDF: 477885.1/24

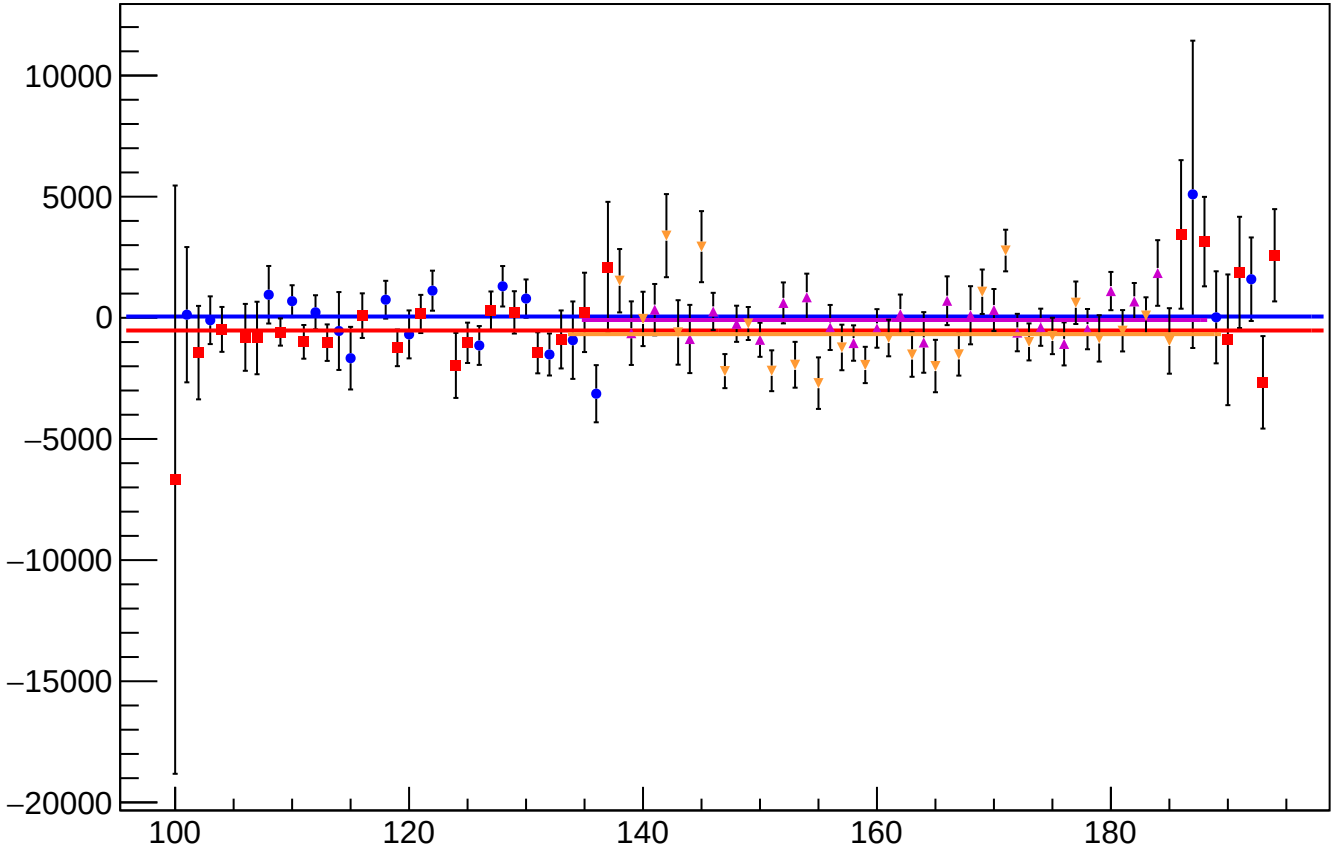
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.692+/-0.369 χ^2/NDF: 754663.3/43

All: 2758.896+/-0.259 χ^2/NDF: 1243480.6/91

- sign 2762.970+/-0.363 χ^2/NDF: 488561.1/47

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: -523.112+/-209.749 χ^2/NDF: 20.0/24

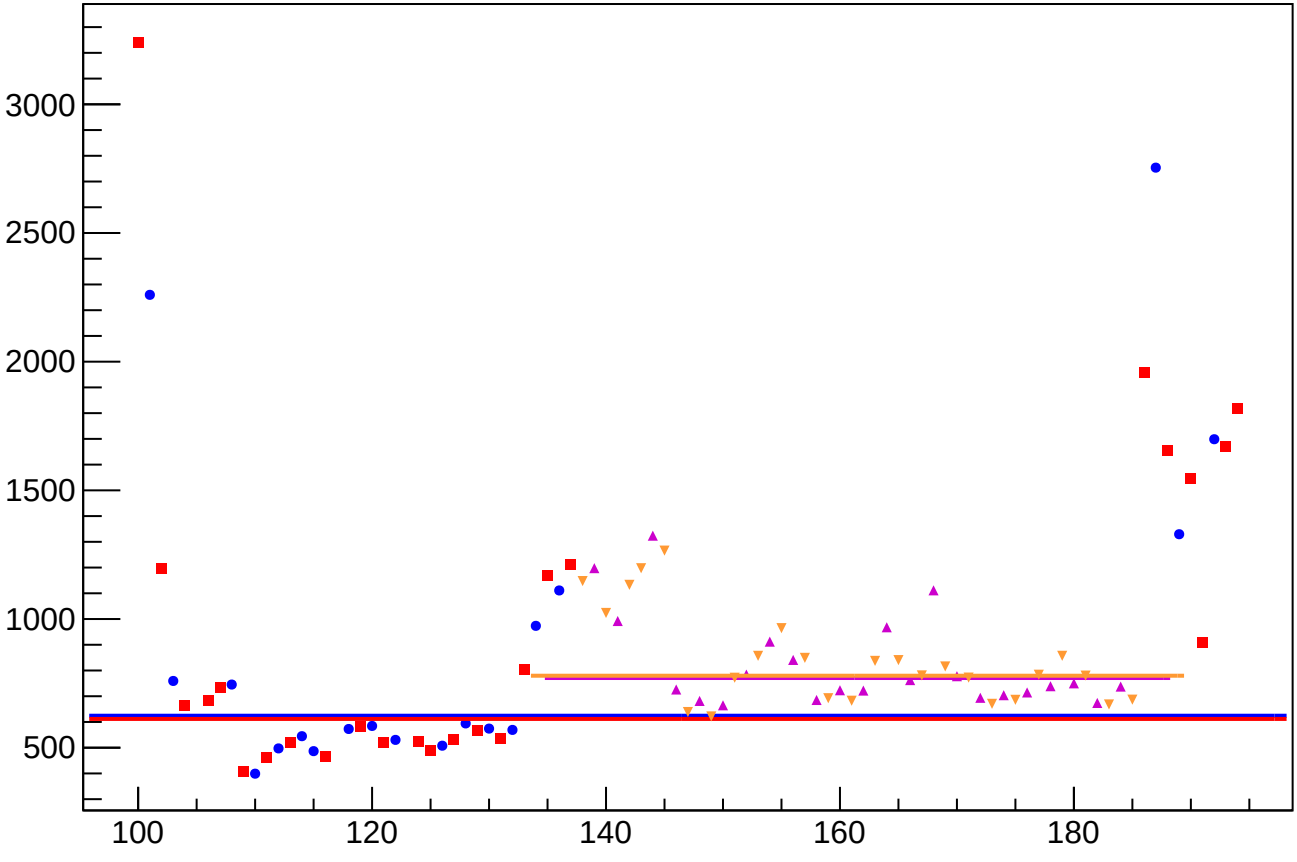
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -394.362+/-142.234 χ^2/NDF: 88.8/43

All: -334.243+/-99.082 χ^2/NDF: 126.3/91

- sign -277.563+/-138.104 χ^2/NDF: 37.2/47

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: 611.792+/-0.148 χ^2/NDF: 3960804.2/24

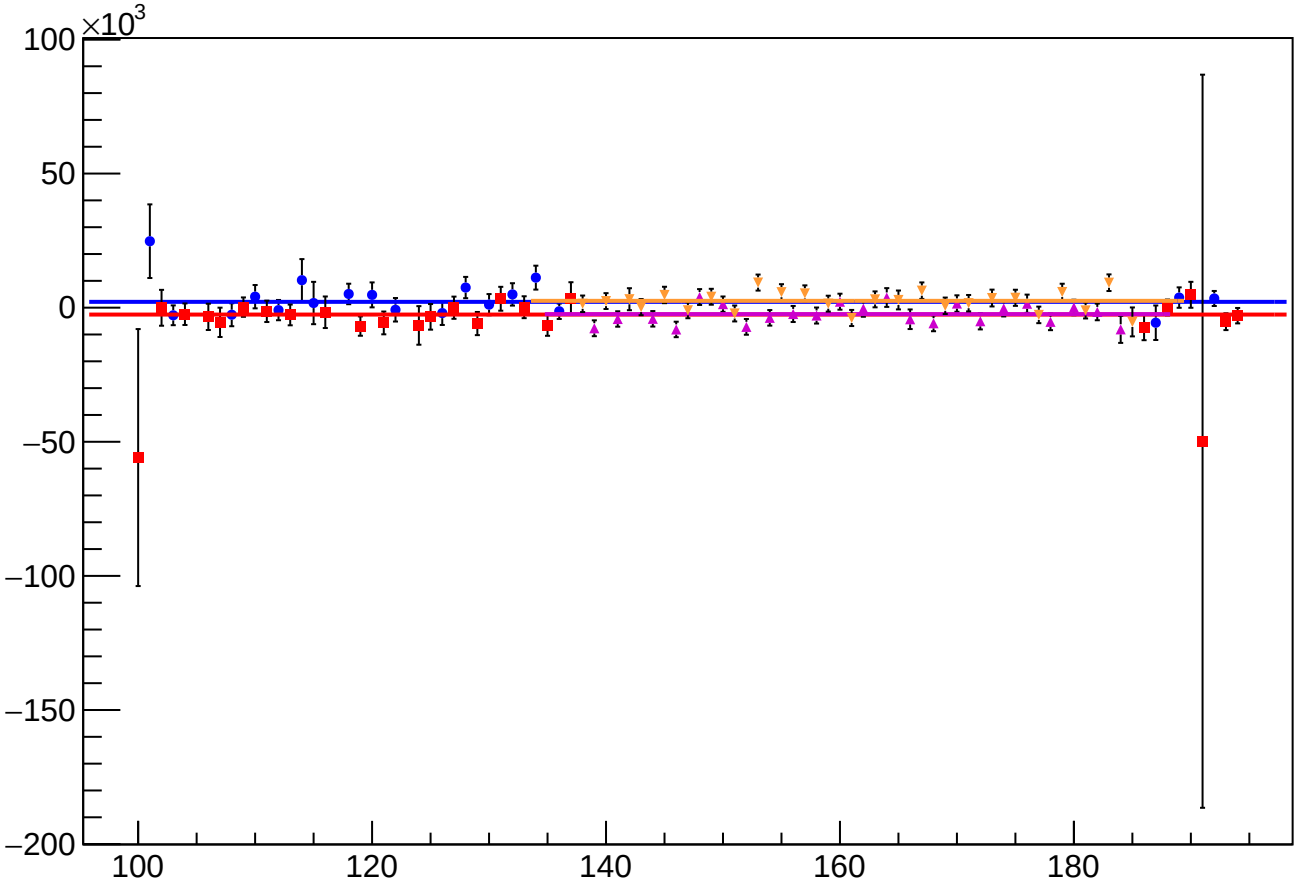
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 720.015+/-0.101 χ^2/NDF: 4693453.8/43

All: 710.673+/-0.070 χ^2/NDF: 10398404.2/91

- sign 701.865+/-0.098 χ^2/NDF: 5688187.9/47

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: -2570.566+/-866.532 χ^2/NDF: 15.0/24

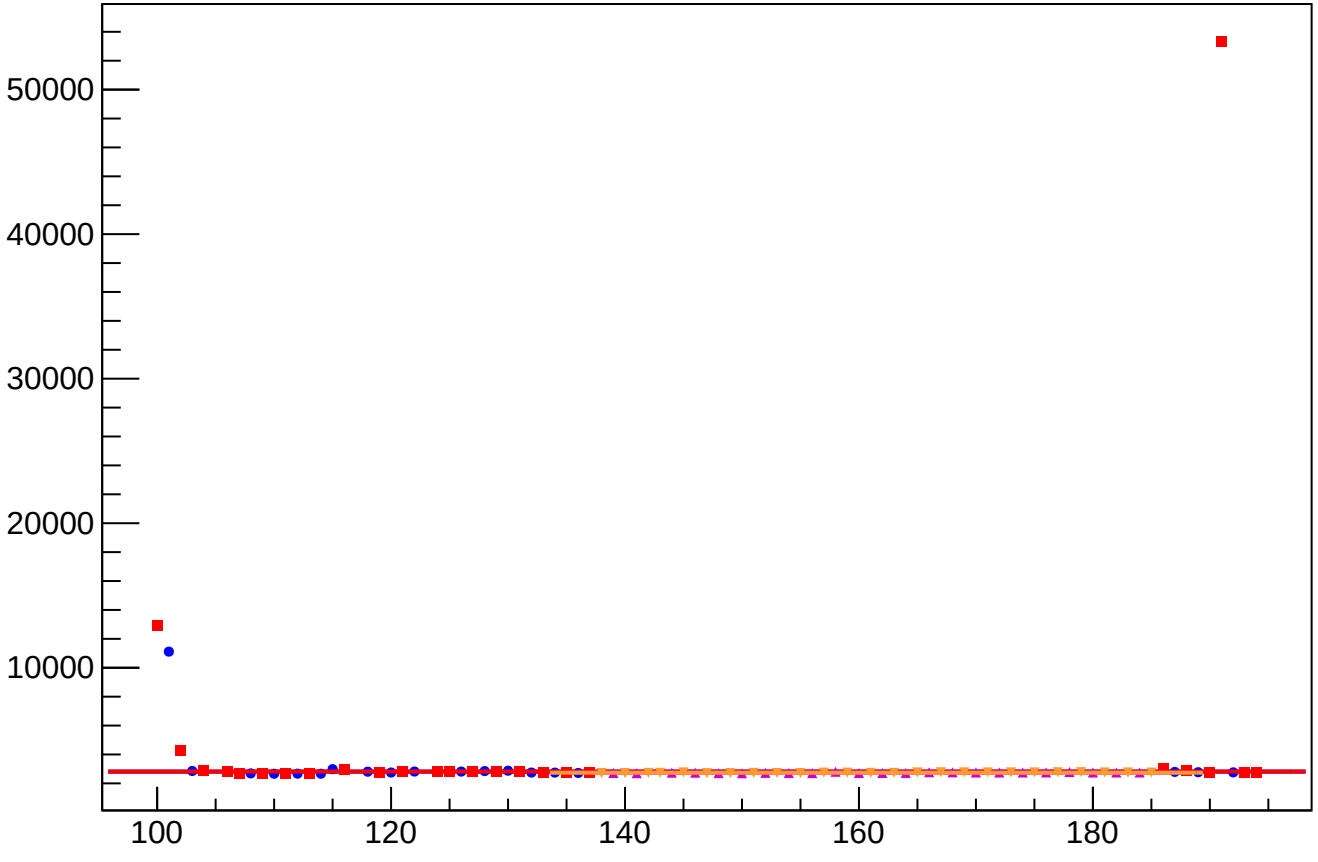
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2434.214+/-522.339 χ^2/NDF: 51.7/43

All: -50.574+/-366.674 χ^2/NDF: 143.1/91

- sign -2464.650+/-514.853 χ^2/NDF: 46.8/47

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

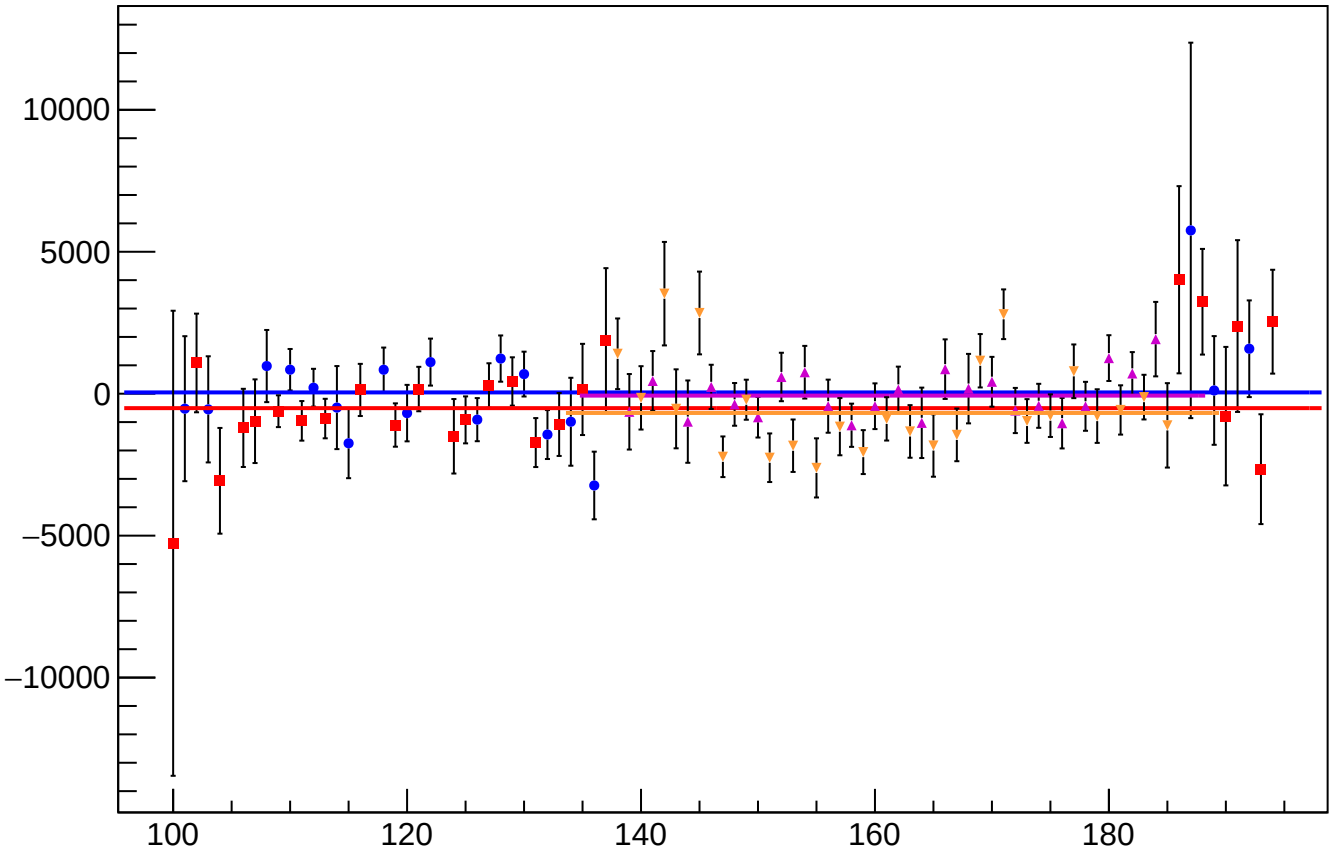
Right Out: 2820.493+/-0.613 χ^2/NDF: 531239.0/24

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.867+/-0.369 χ^2/NDF: 755464.8/43

All: 2765.152+/-0.259 χ^2/NDF: 1301121.6/91

- sign 2769.315+/-0.364 χ^2/NDF: 545391.4/47



Right In: 45.383+/-233.280 χ^2/NDF: 24.4/18

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -508.601+/-211.090 χ^2/NDF: 23.2/24

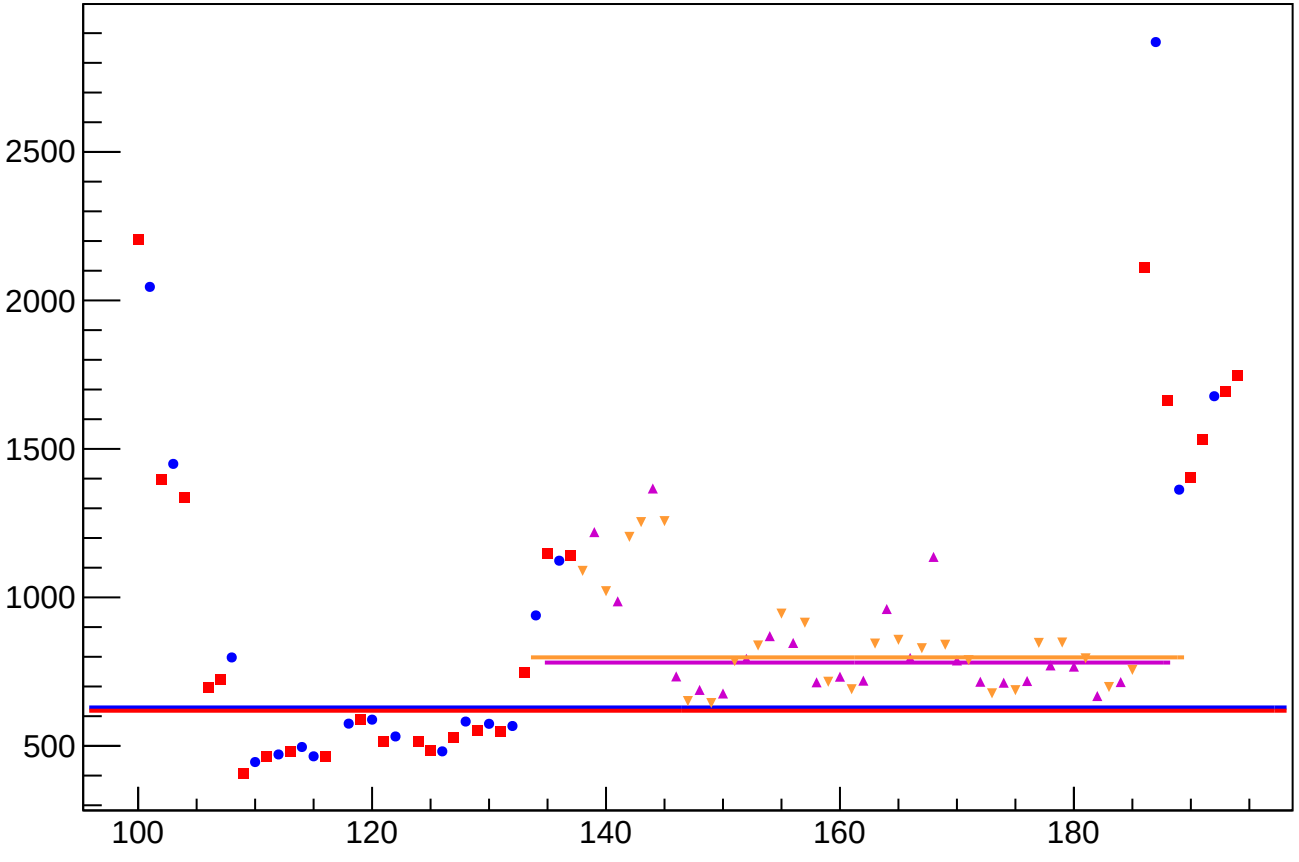
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -398.838+/-144.954 χ^2/NDF: 86.5/43

All: -326.373+/-100.445 χ^2/NDF: 128.5/91

- sign -259.437+/-139.315 χ^2/NDF: 41.5/47

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: 618.406+/-0.149 χ^2/NDF: 4594745.5/24

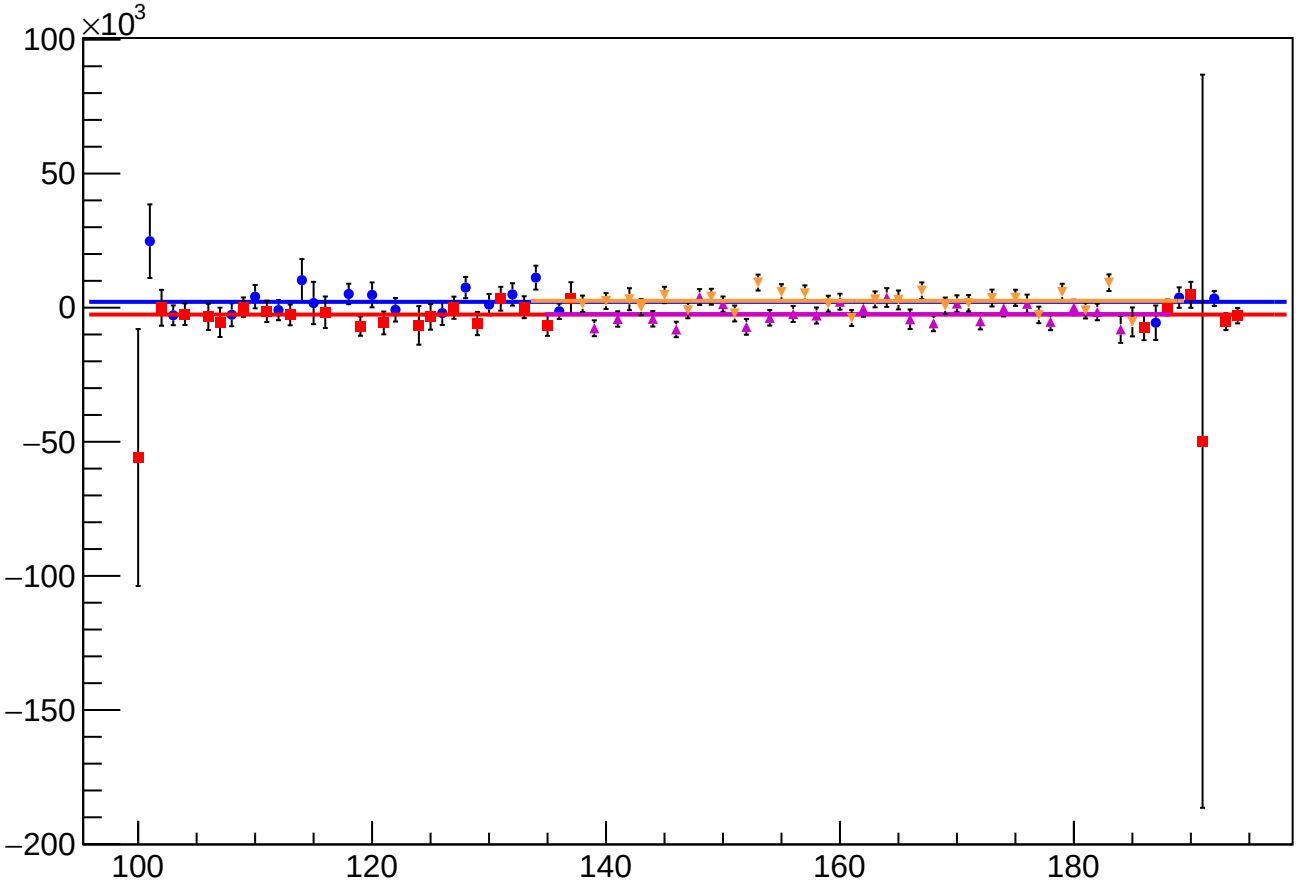
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 732.960+/-0.102 χ^2/NDF: 4985808.7/43

All: 720.979+/-0.071 χ^2/NDF: 11337510.3/91

- sign 709.911+/-0.099 χ^2/NDF: 6325414.3/47

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: -2570.562+/-866.532 χ^2/NDF: 15.0/24

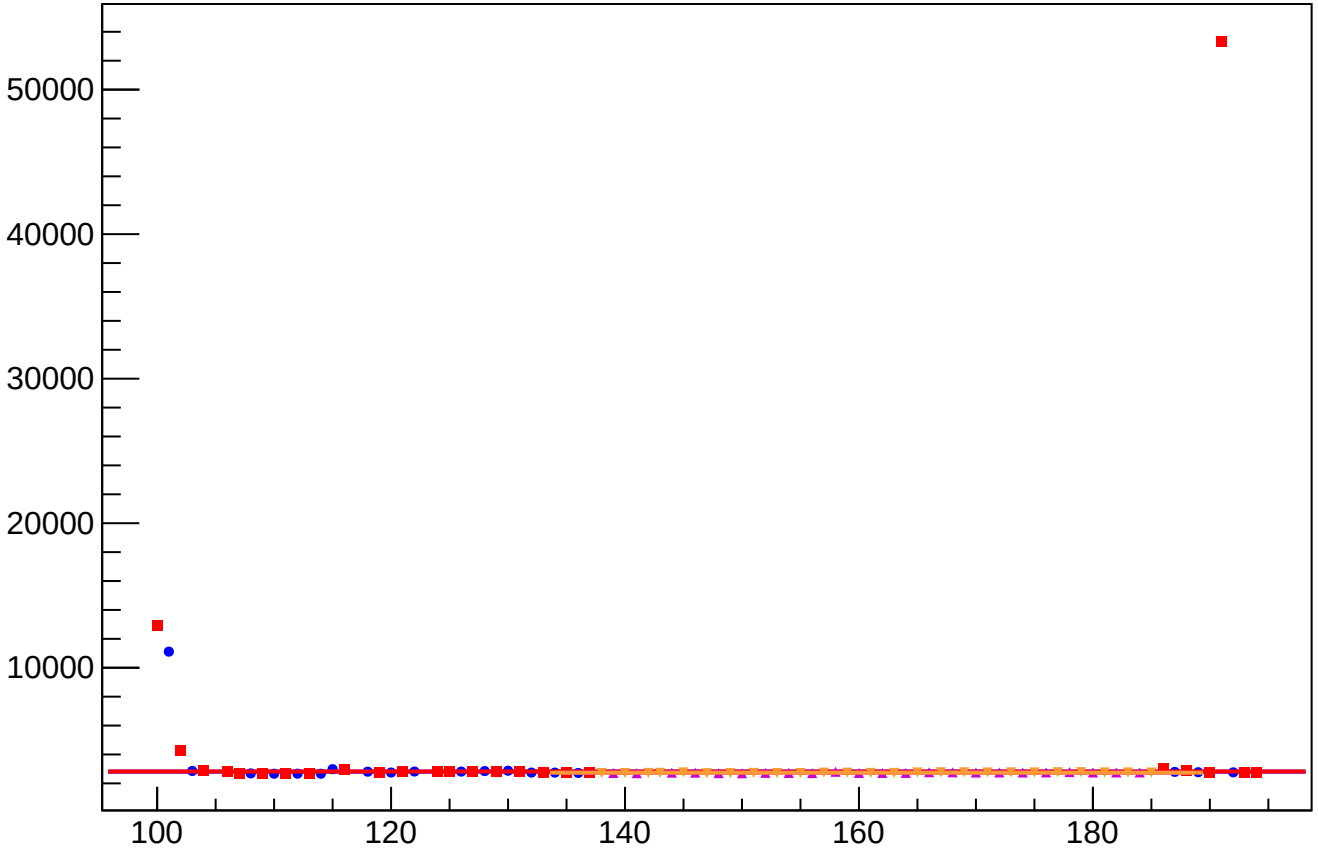
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2434.214+/-522.339 χ^2/NDF: 51.7/43

All: -50.573+/-366.674 χ^2/NDF: 143.1/91

- sign -2464.648+/-514.853 χ^2/NDF: 46.8/47

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: 2820.493+/-0.613 χ^2/NDF: 531238.8/24

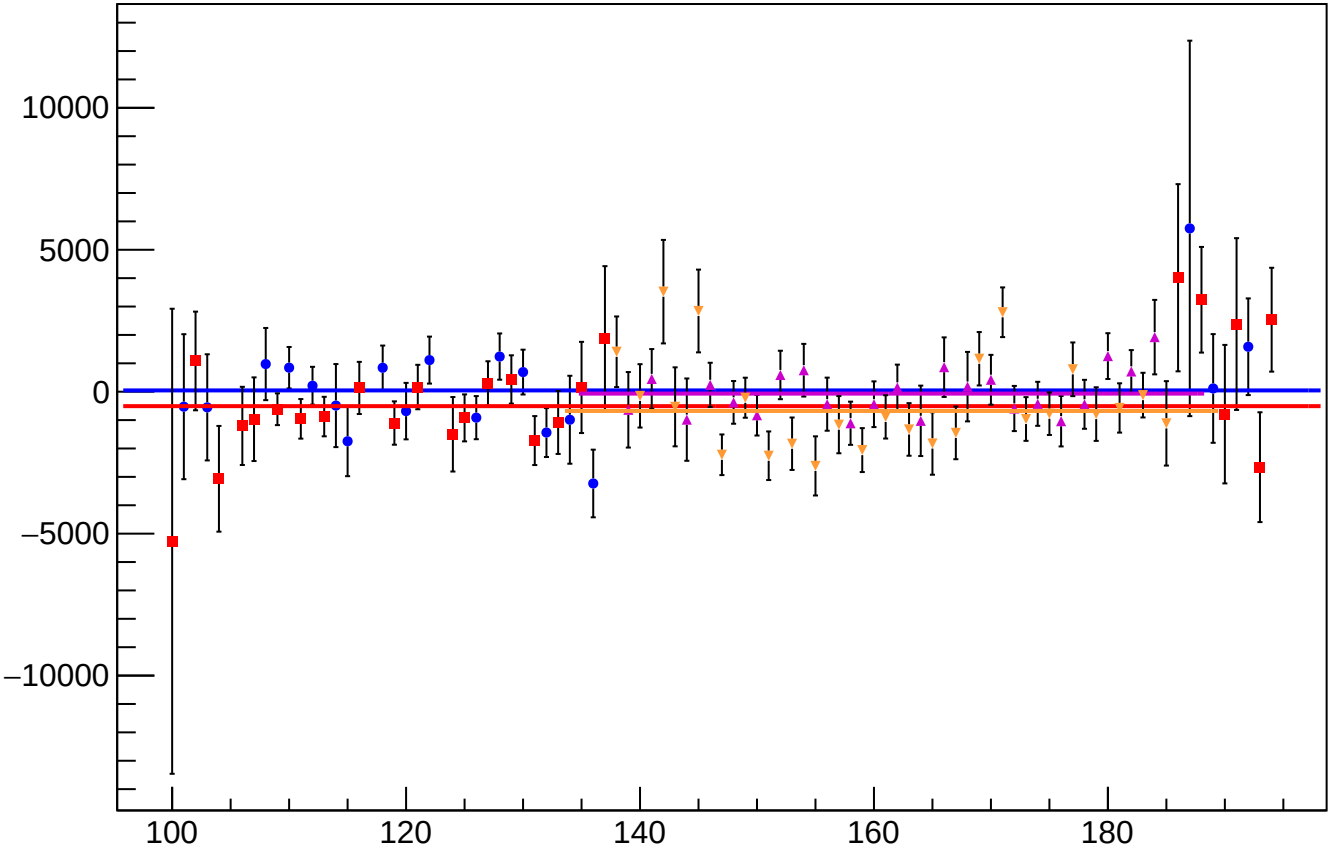
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.867+/-0.369 χ^2/NDF: 755464.8/43

All: 2765.152+/-0.259 χ^2/NDF: 1301121.4/91

- sign 2769.315+/-0.364 χ^2/NDF: 545391.2/47

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: -508.601+/-211.090 χ^2/NDF: 23.2/24

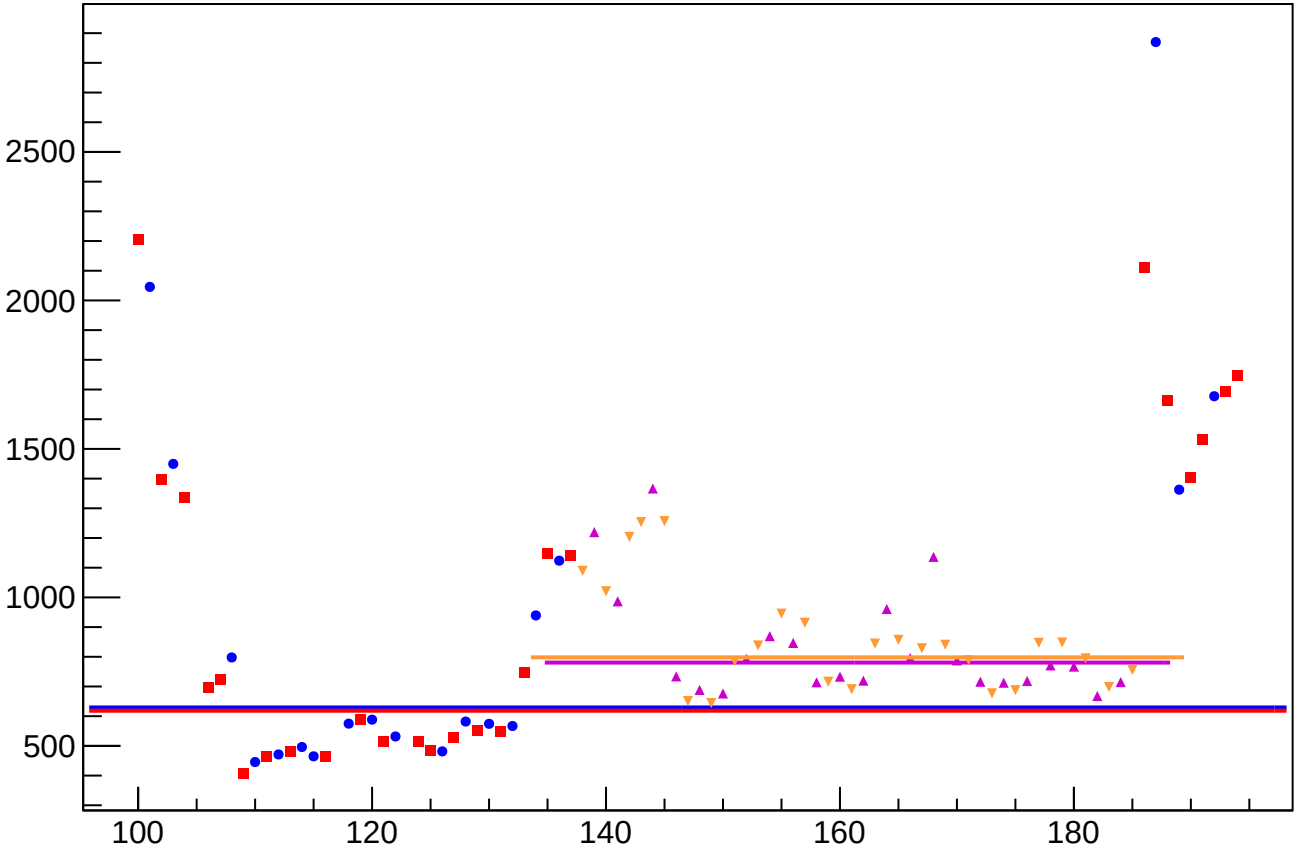
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -398.839+/-144.954 χ^2/NDF: 86.5/43

All: -326.374+/-100.445 χ^2/NDF: 128.5/91

- sign -259.437+/-139.315 χ^2/NDF: 41.5/47

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: 618.406+/-0.149 χ^2/NDF: 4594745.0/24

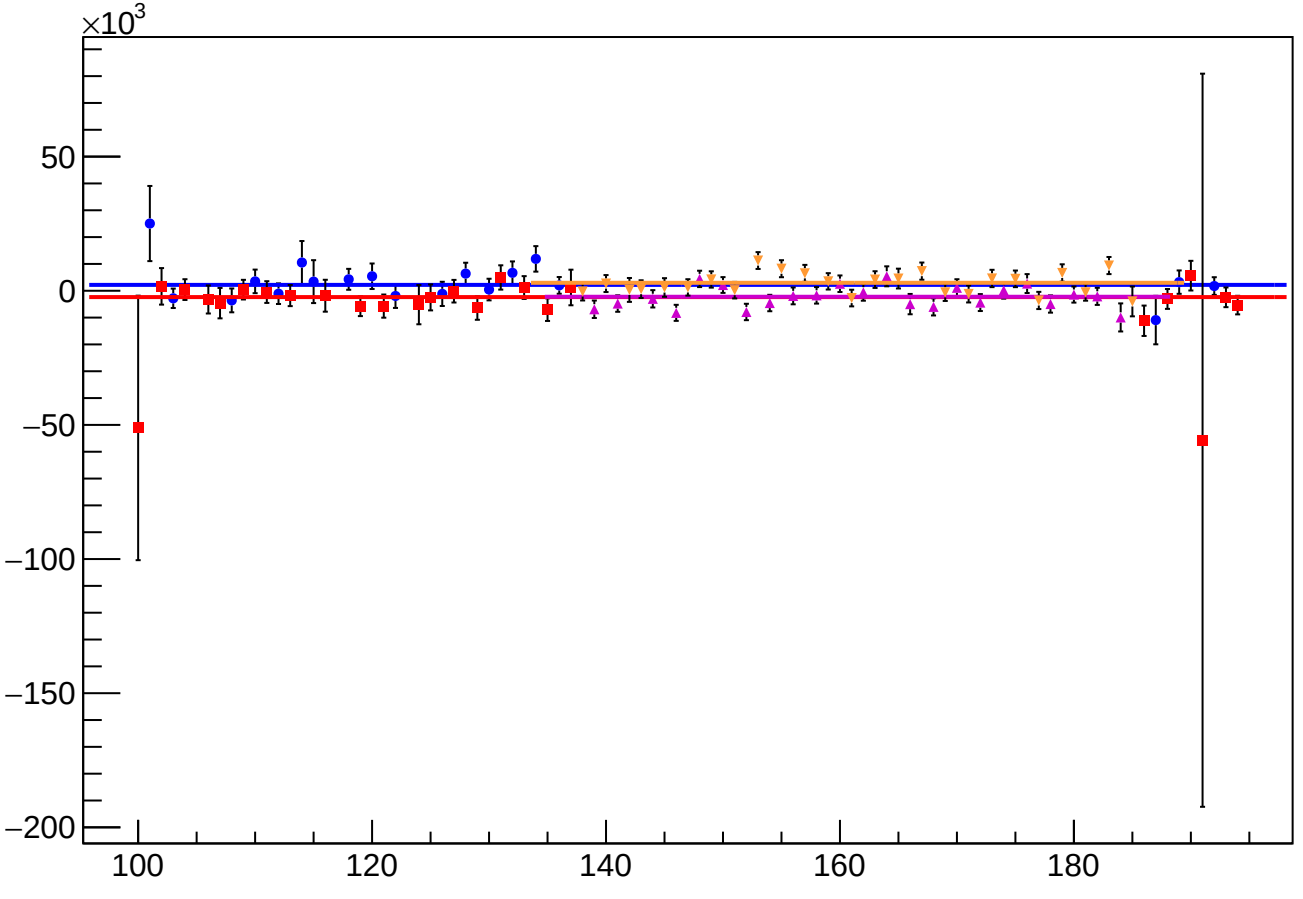
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 732.960+/-0.102 χ^2/NDF: 4985802.3/43

All: 720.979+/-0.071 χ^2/NDF: 11337504.6/91

- sign 709.911+/-0.099 χ^2/NDF: 6325414.5/47

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: -2359.722+/-928.744 χ^2/NDF: 15.9/24

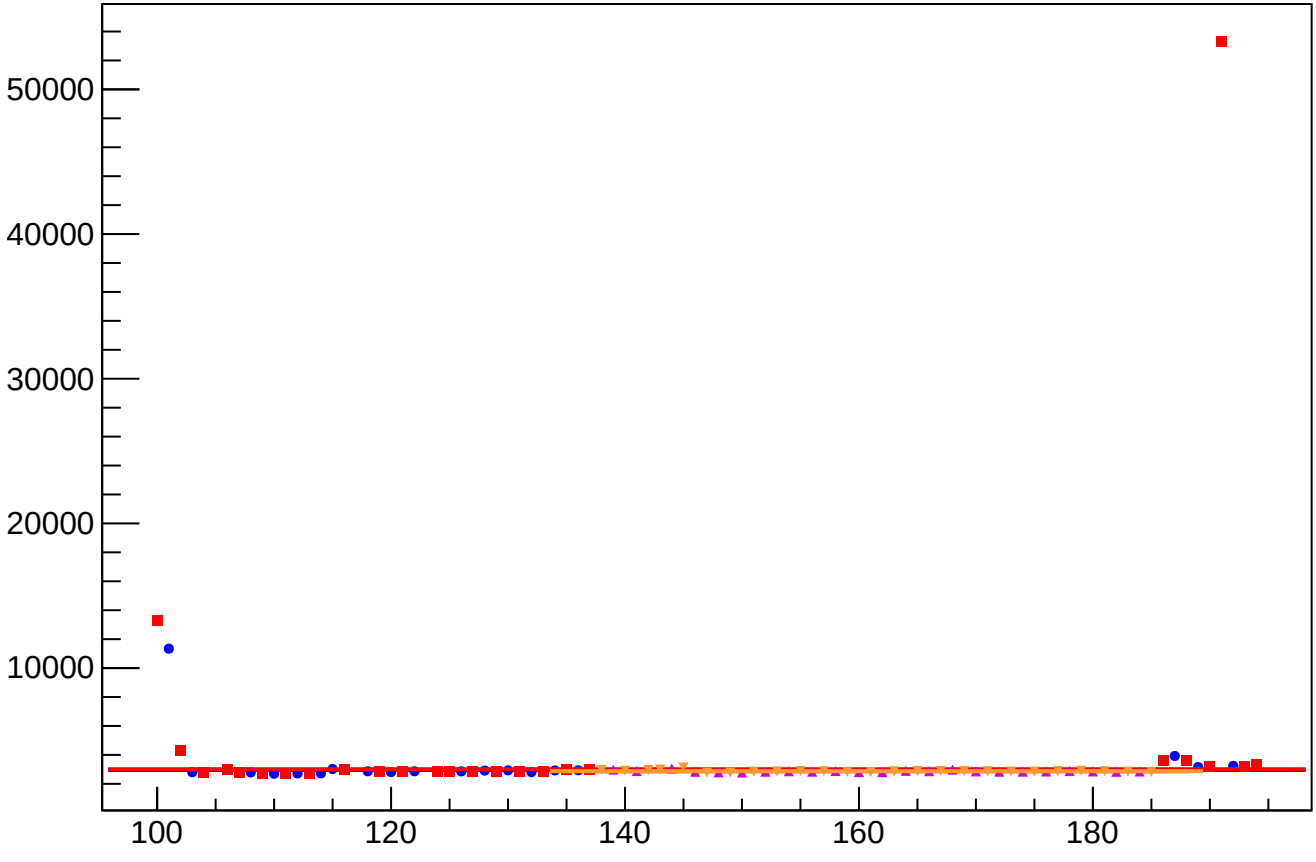
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2739.942+/-549.005 χ^2/NDF: 55.2/43

All: 205.187+/-386.259 χ^2/NDF: 147.1/91

- sign -2279.359+/-543.540 χ^2/NDF: 49.7/47

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

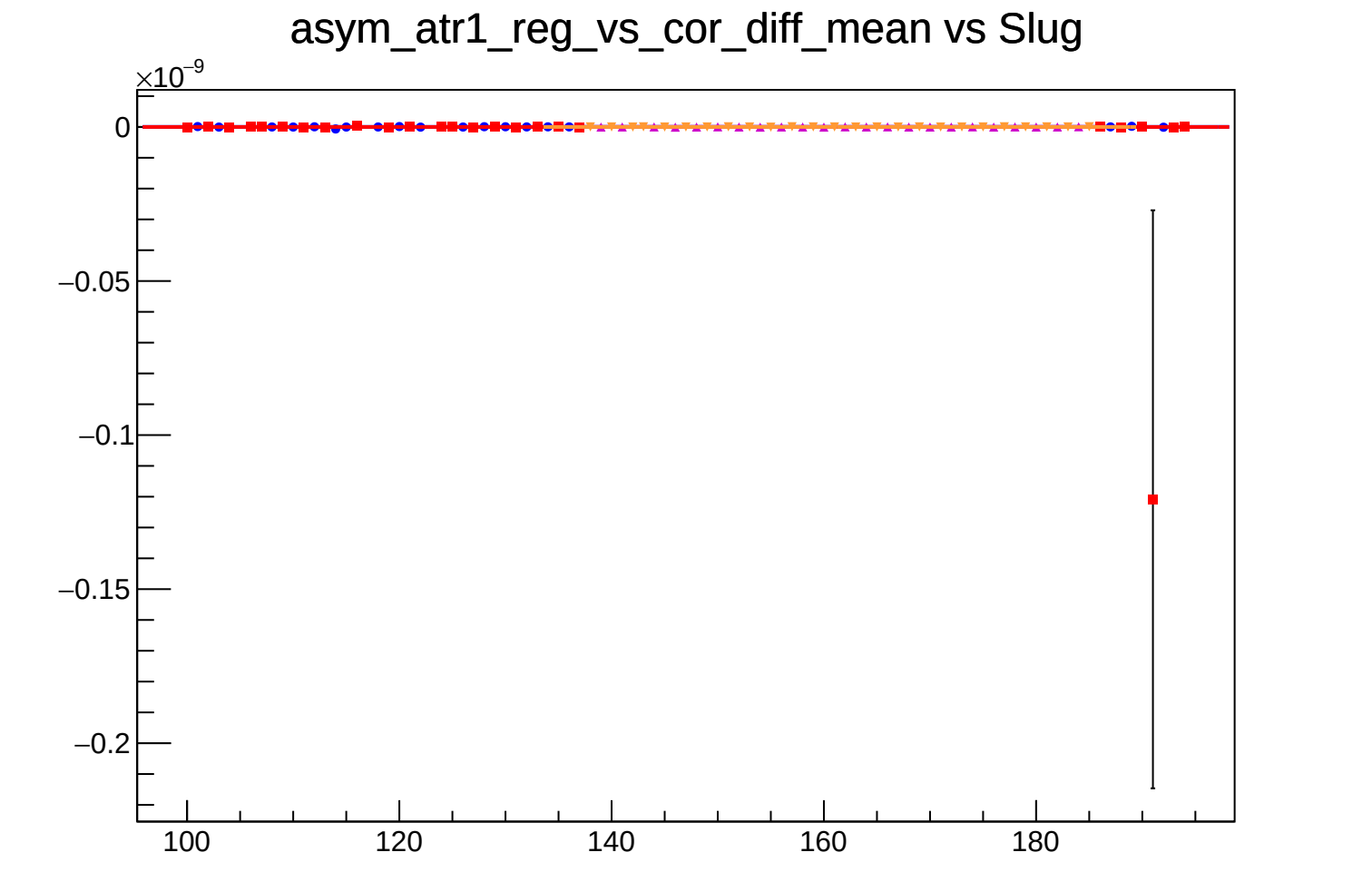
Right Out: 3009.141+/-0.657 χ^2/NDF: 641737.5/24

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2899.637+/-0.388 χ^2/NDF: 820819.8/43

All: 2908.788+/-0.273 χ^2/NDF: 1510795.4/91

- sign 2917.758+/-0.384 χ^2/NDF: 688875.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/24

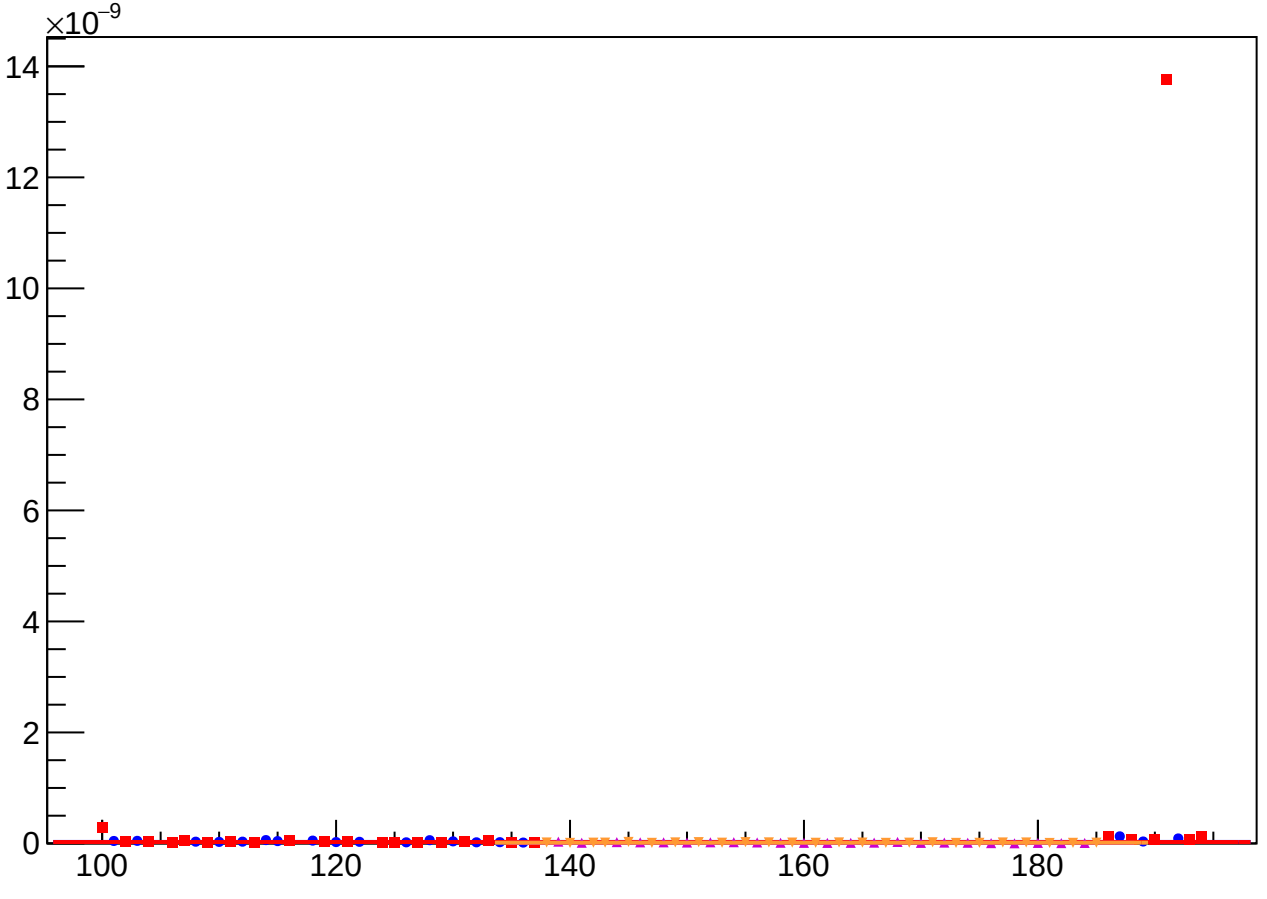
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.3/43

All: 0.000+/-0.000 χ^2/NDF: 89.1/91

- sign 0.000+/-0.000 χ^2/NDF: 58.8/47

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: 2023512.5/24

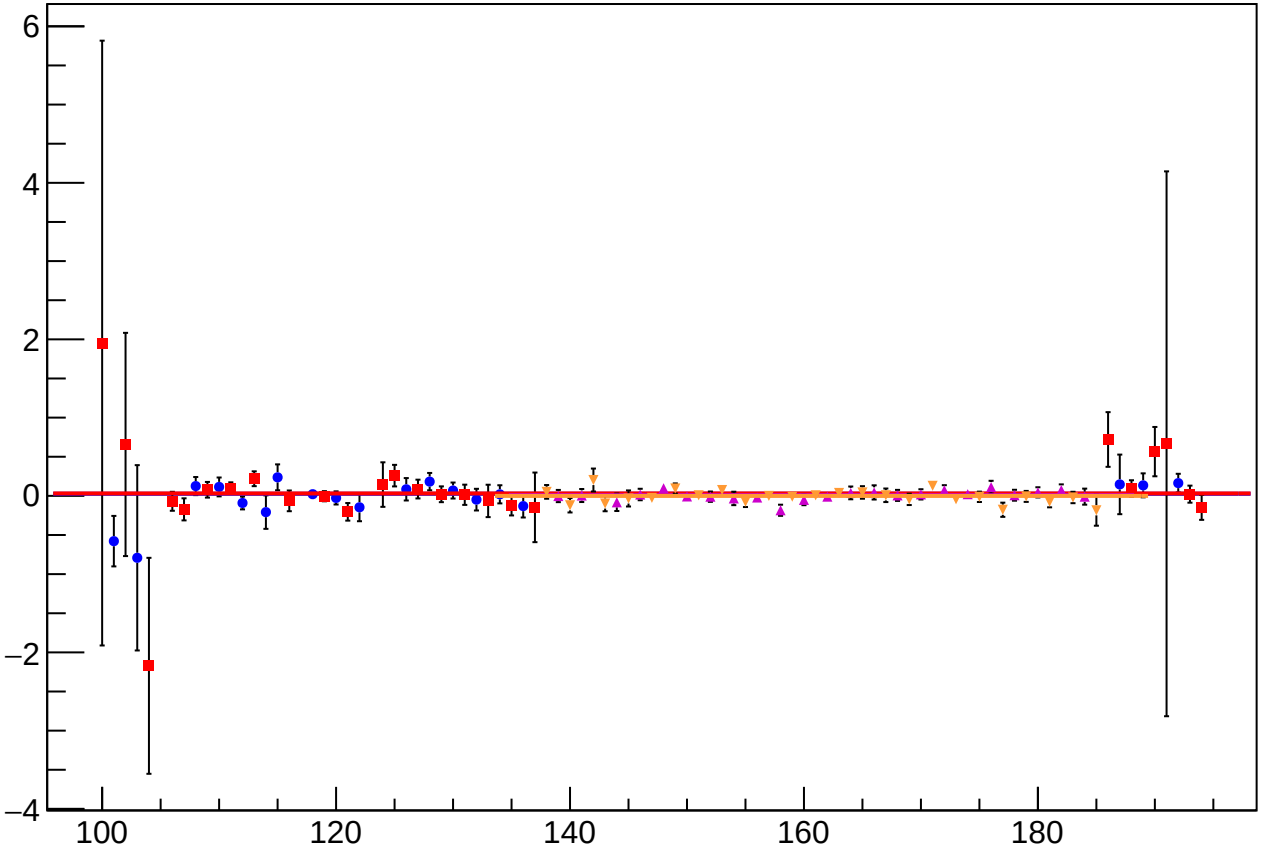
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 3829793.1/43

All: 0.000+/-0.000 χ^2/NDF: 10898541.6/91

- sign 0.000+/-0.000 χ^2/NDF: 6810930.2/47

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: 0.031+/-0.026 χ^2/NDF: 29.2/24

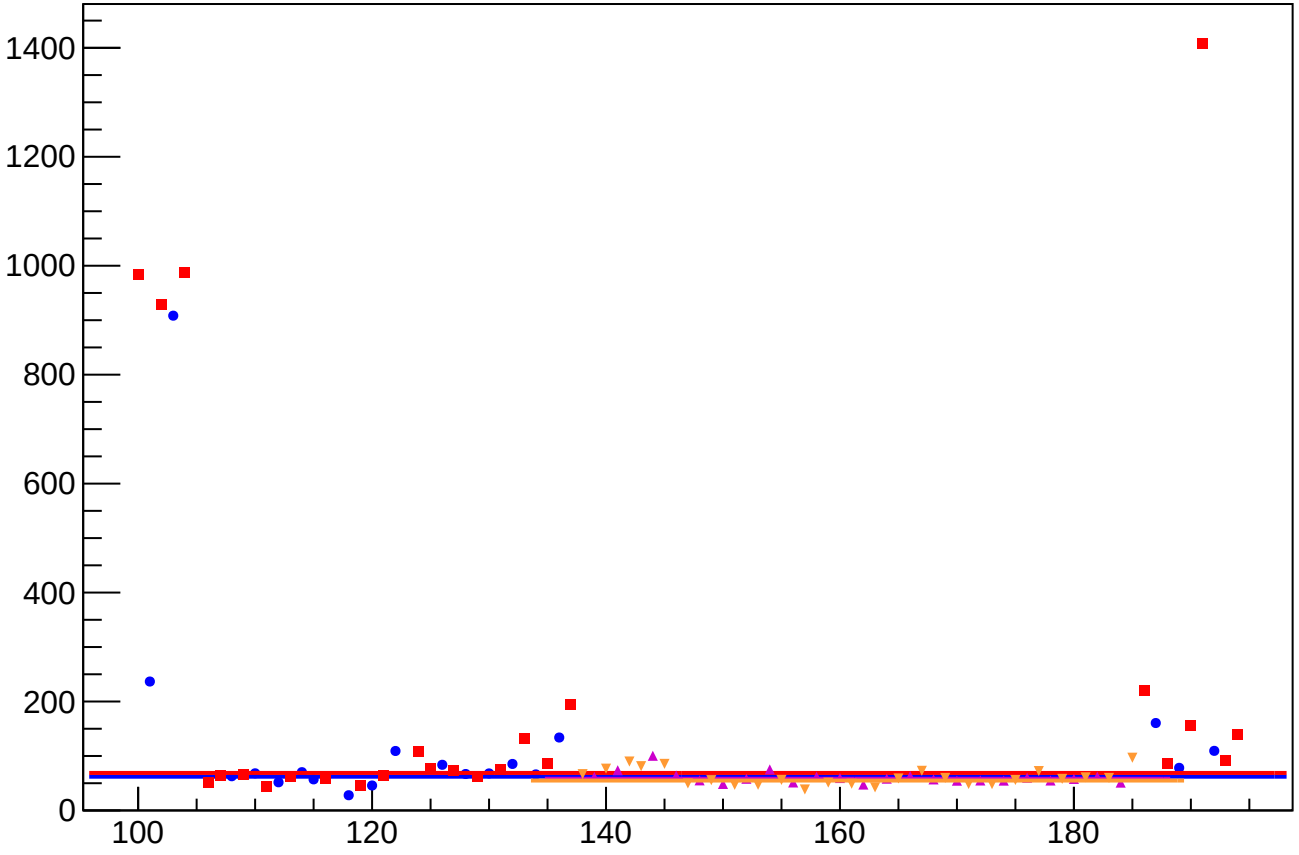
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.006+/-0.012 χ^2/NDF: 40.5/43

All: 0.010+/-0.009 χ^2/NDF: 86.1/91

- sign 0.014+/-0.013 χ^2/NDF: 45.4/47

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: 68.861+/-0.018 χ^2/NDF: 4099214.1/24

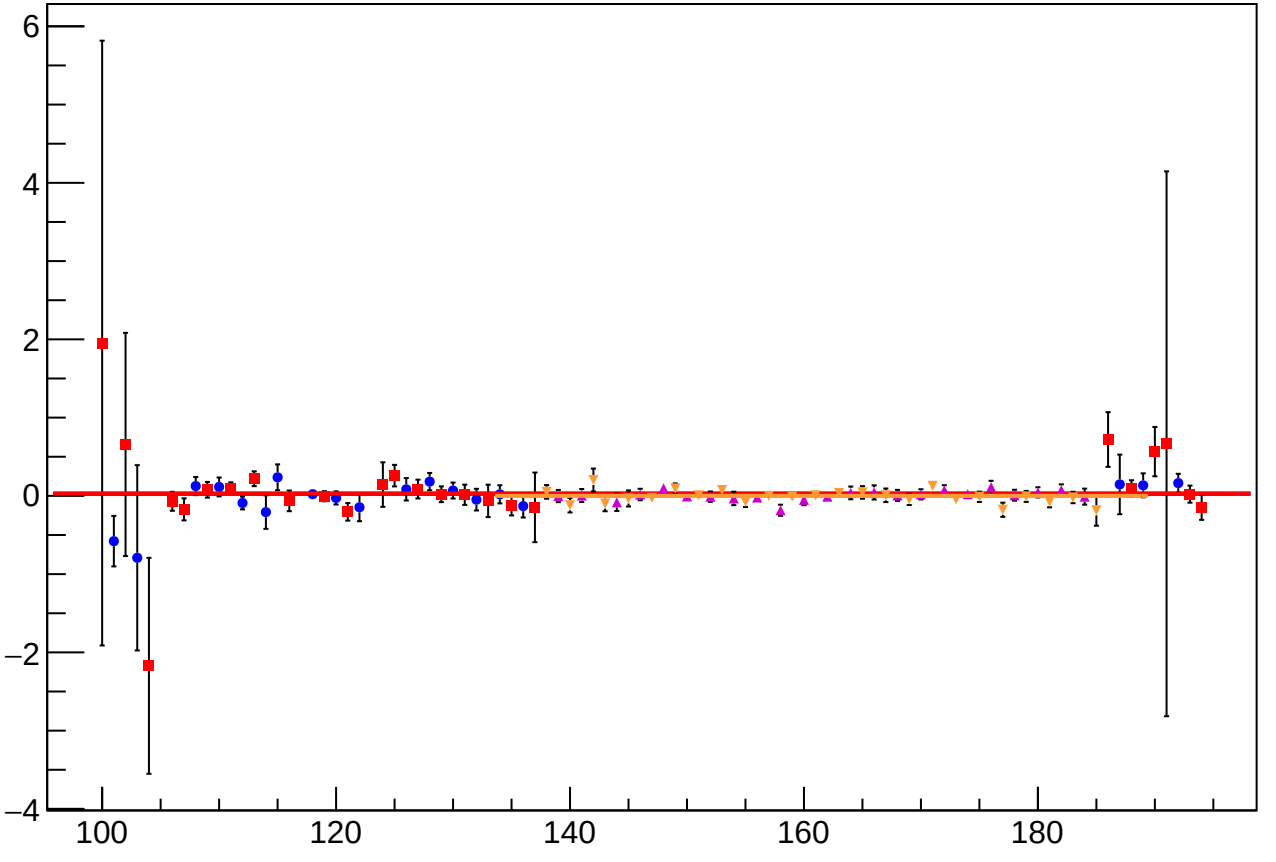
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 56.474+/-0.009 χ^2/NDF: 5177301.4/43

All: 58.569+/-0.006 χ^2/NDF: 10310613.5/91

- sign 60.803+/-0.009 χ^2/NDF: 5016351.9/47

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.027+/-0.027 χ^2/NDF: 17.1/18

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.2/24

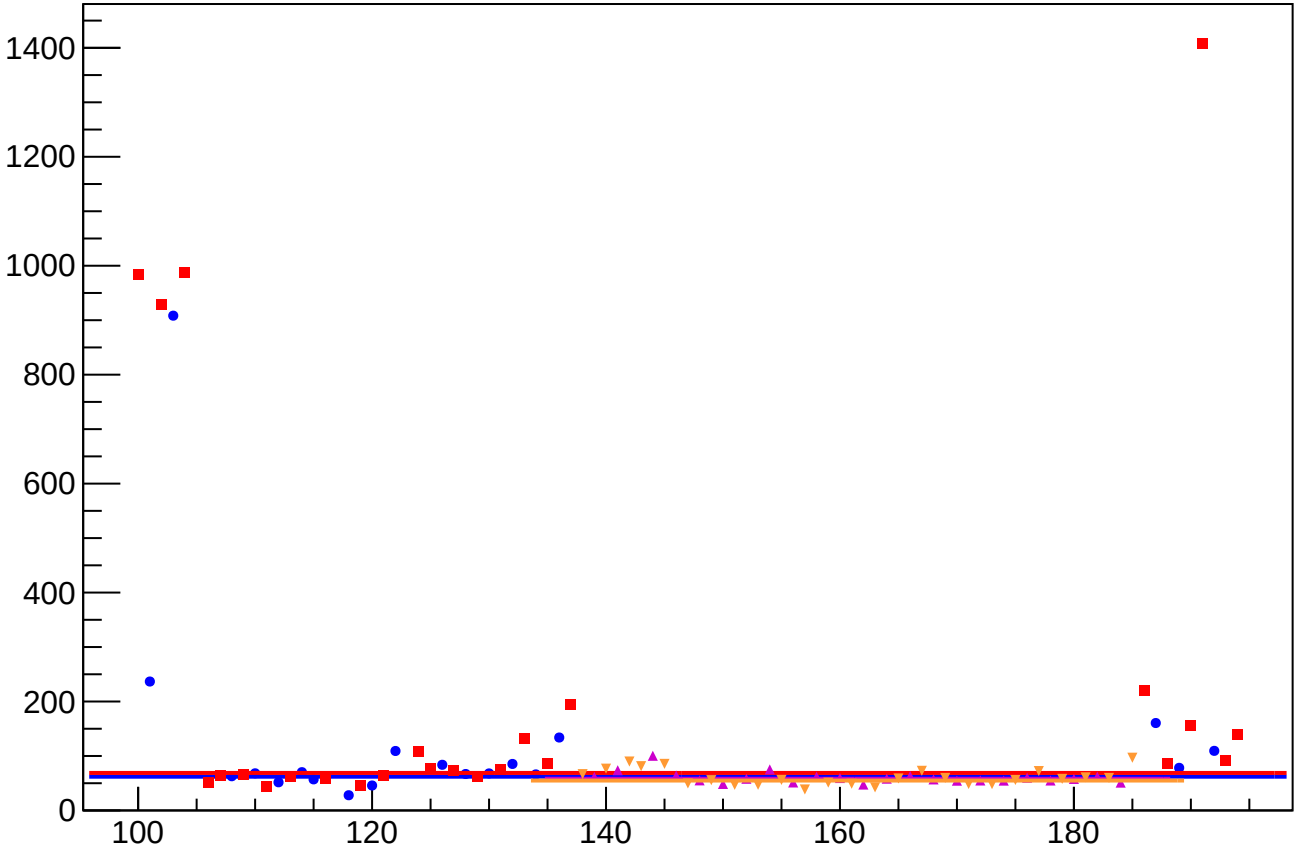
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

\+ sign 0.006+/-0.012 χ^2/NDF: 40.5/43

All: 0.010+/-0.009 χ^2/NDF: 86.1/91

\- sign 0.014+/-0.013 χ^2/NDF: 45.4/47

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: 68.861+/-0.018 χ^2/NDF: 4099214.1/24

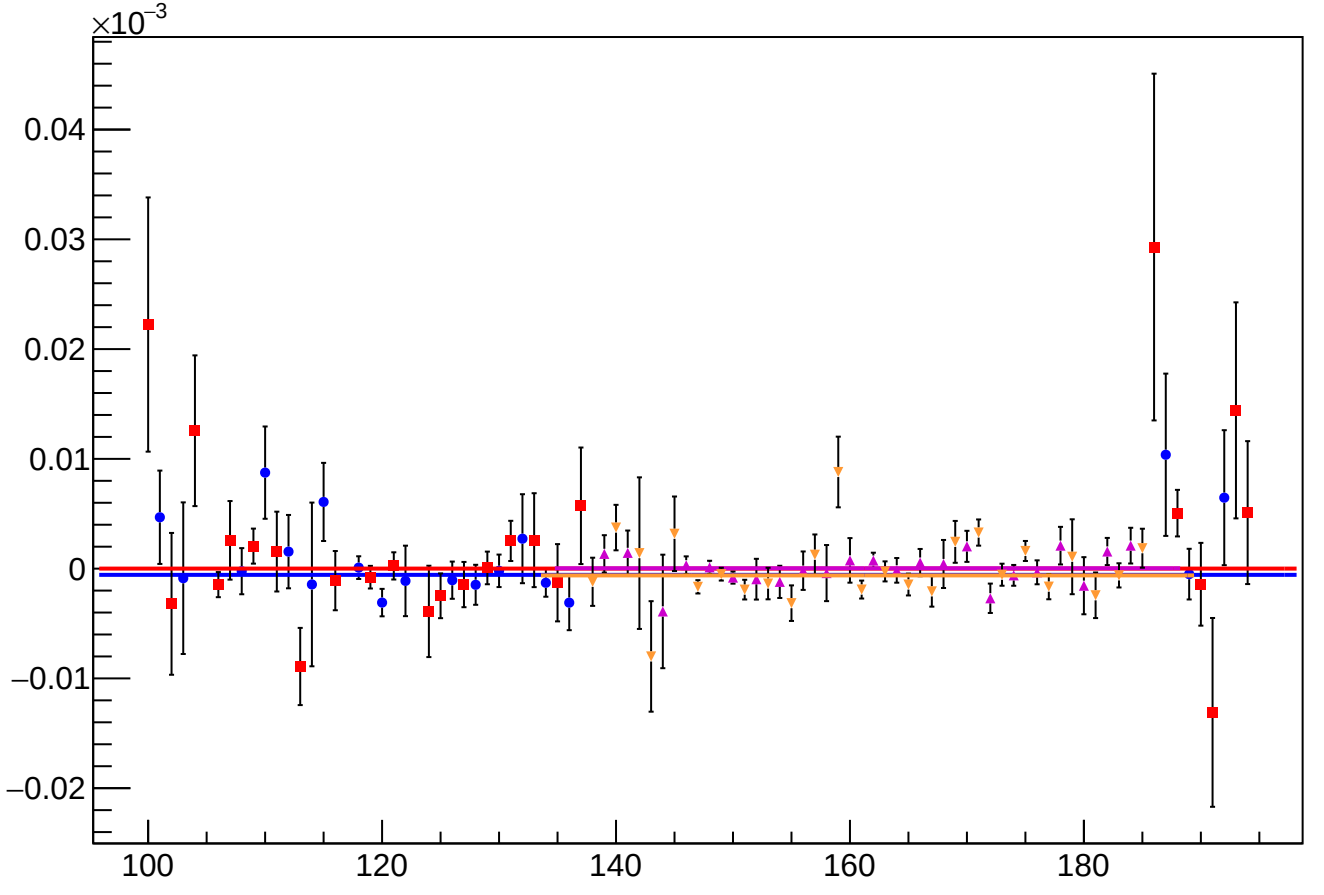
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 56.474+/-0.009 χ^2/NDF: 5177301.4/43

All: 58.569+/-0.006 χ^2/NDF: 10310613.5/91

- sign 60.803+/-0.009 χ^2/NDF: 5016351.9/47

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: 39.2/24

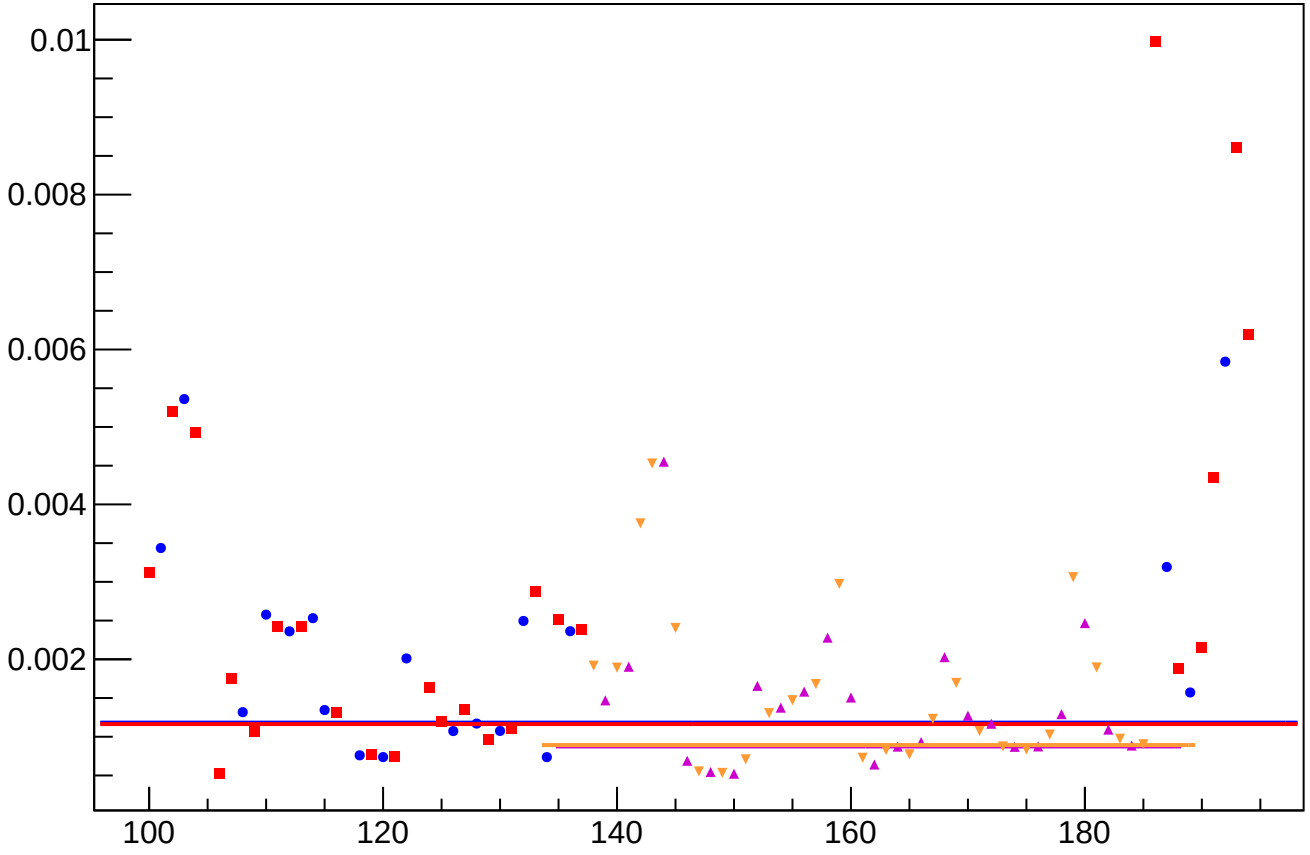
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.6/43

All: -0.000+/-0.000 χ^2/NDF: 135.6/91

- sign 0.000+/-0.000 χ^2/NDF: 57.4/47

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: 7561574.1/24

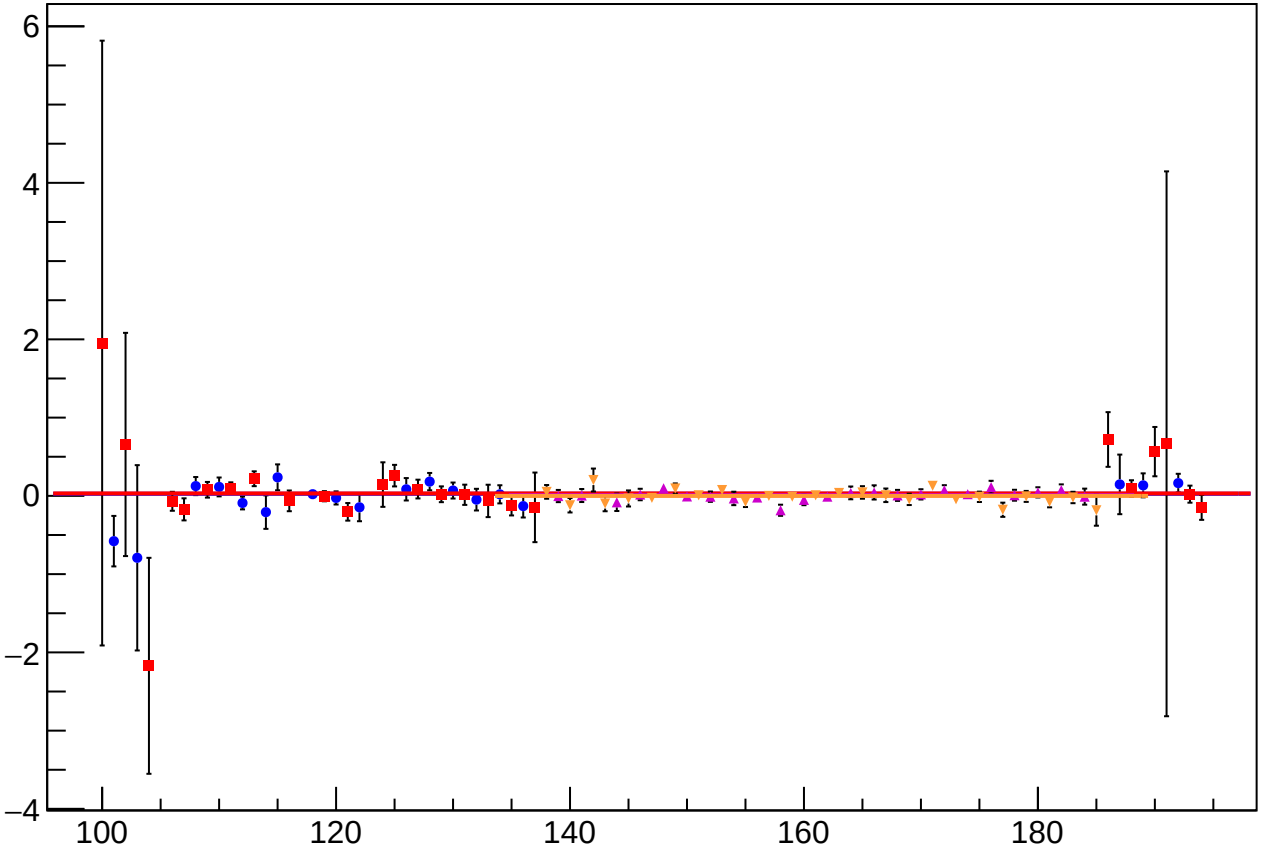
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 13166555.0/43

All: 0.001+/-0.000 χ^2/NDF: 28345300.0/91

- sign 0.001+/-0.000 χ^2/NDF: 15175902.0/47

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: 0.031+/-0.026 χ^2/NDF: 29.2/24

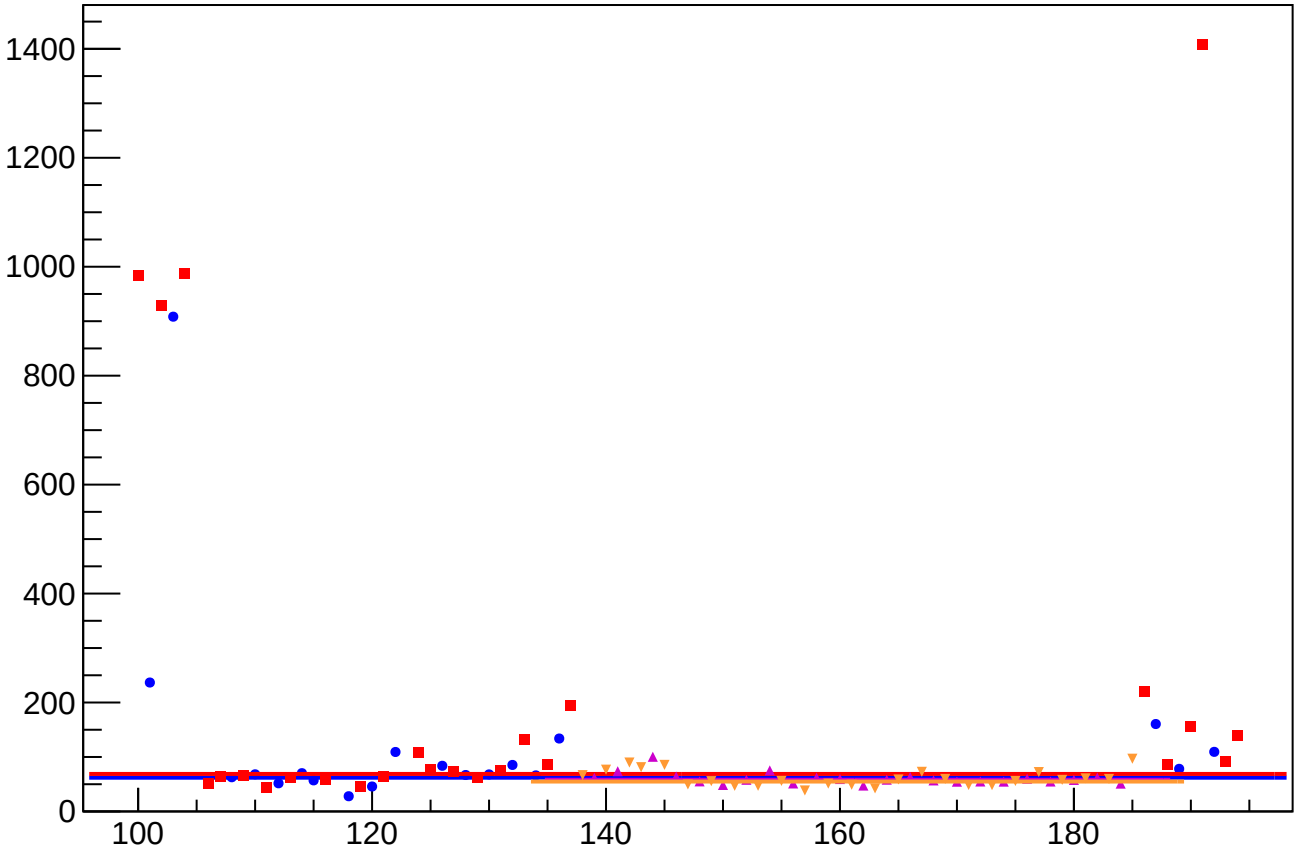
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.006+/-0.012 χ^2/NDF: 40.5/43

All: 0.010+/-0.009 χ^2/NDF: 86.1/91

- sign 0.014+/-0.013 χ^2/NDF: 45.4/47

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: 68.861+/-0.018 χ^2/NDF: 4099204.7/24

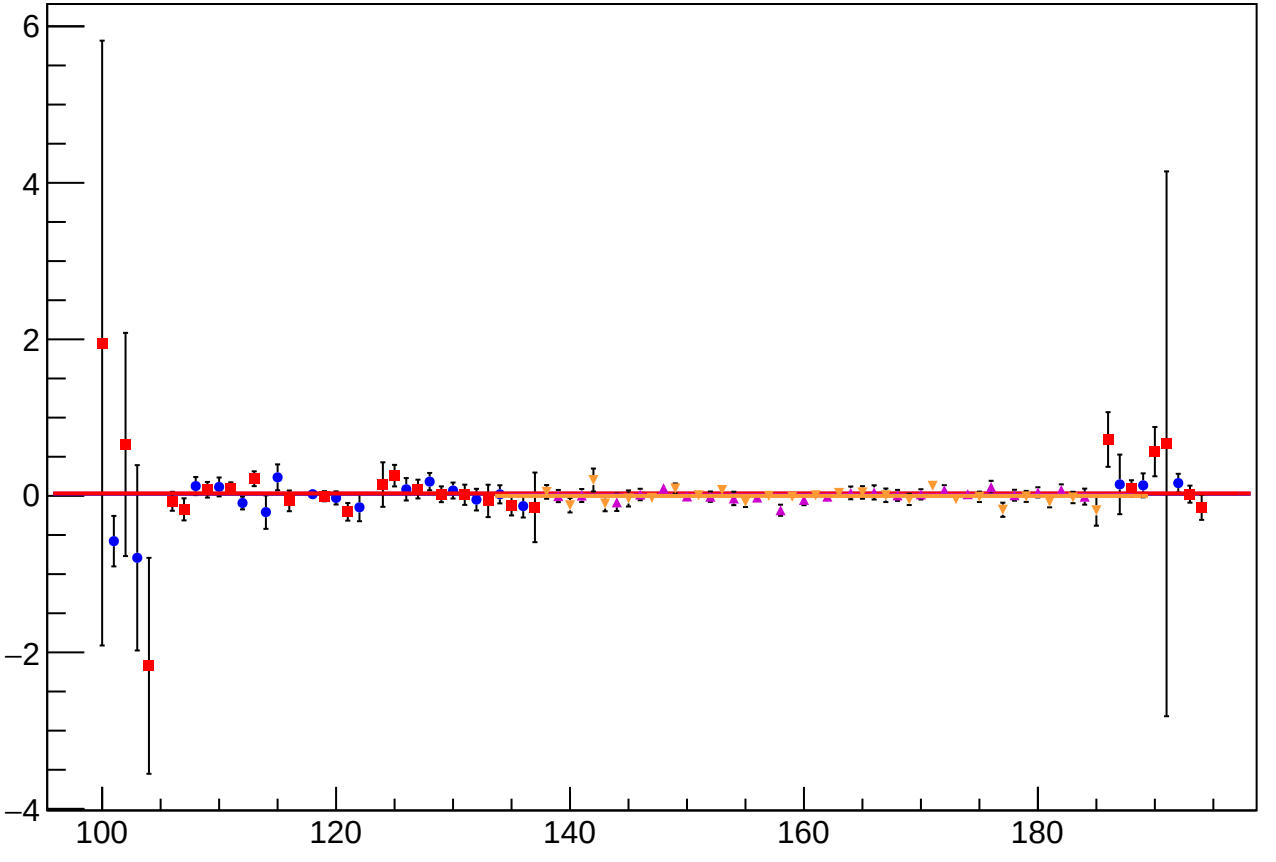
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 56.473+/-0.009 χ^2/NDF: 5177454.4/43

All: 58.569+/-0.006 χ^2/NDF: 10310792.0/91

- sign 60.803+/-0.009 χ^2/NDF: 5016351.0/47

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.027+/-0.027 χ^2/NDF: 17.1/18

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.031+/-0.026 χ^2/NDF: 29.2/24

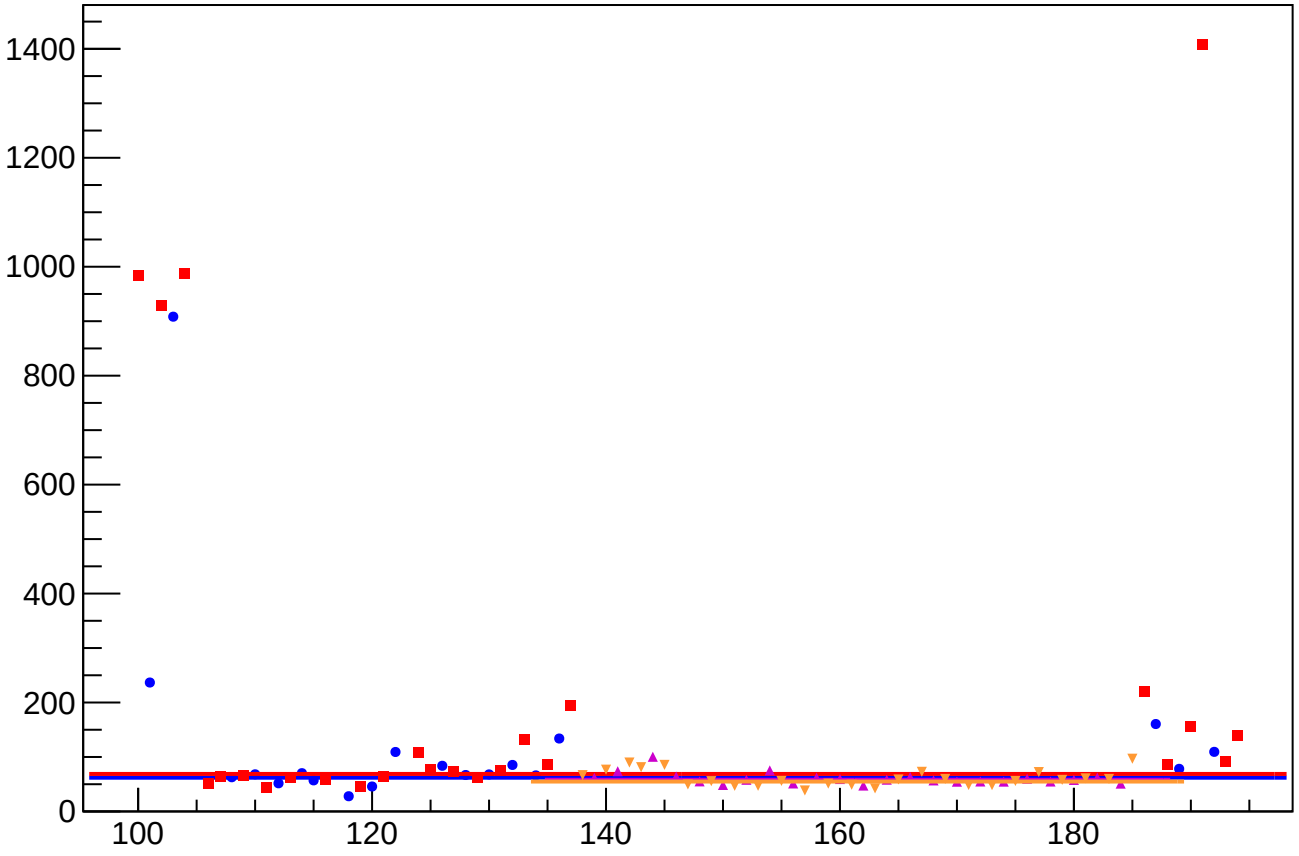
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.006+/-0.012 χ^2/NDF: 40.5/43

All: 0.010+/-0.009 χ^2/NDF: 86.1/91

- sign 0.014+/-0.013 χ^2/NDF: 45.4/47

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: 68.861+/-0.018 χ^2/NDF: 4099204.7/24

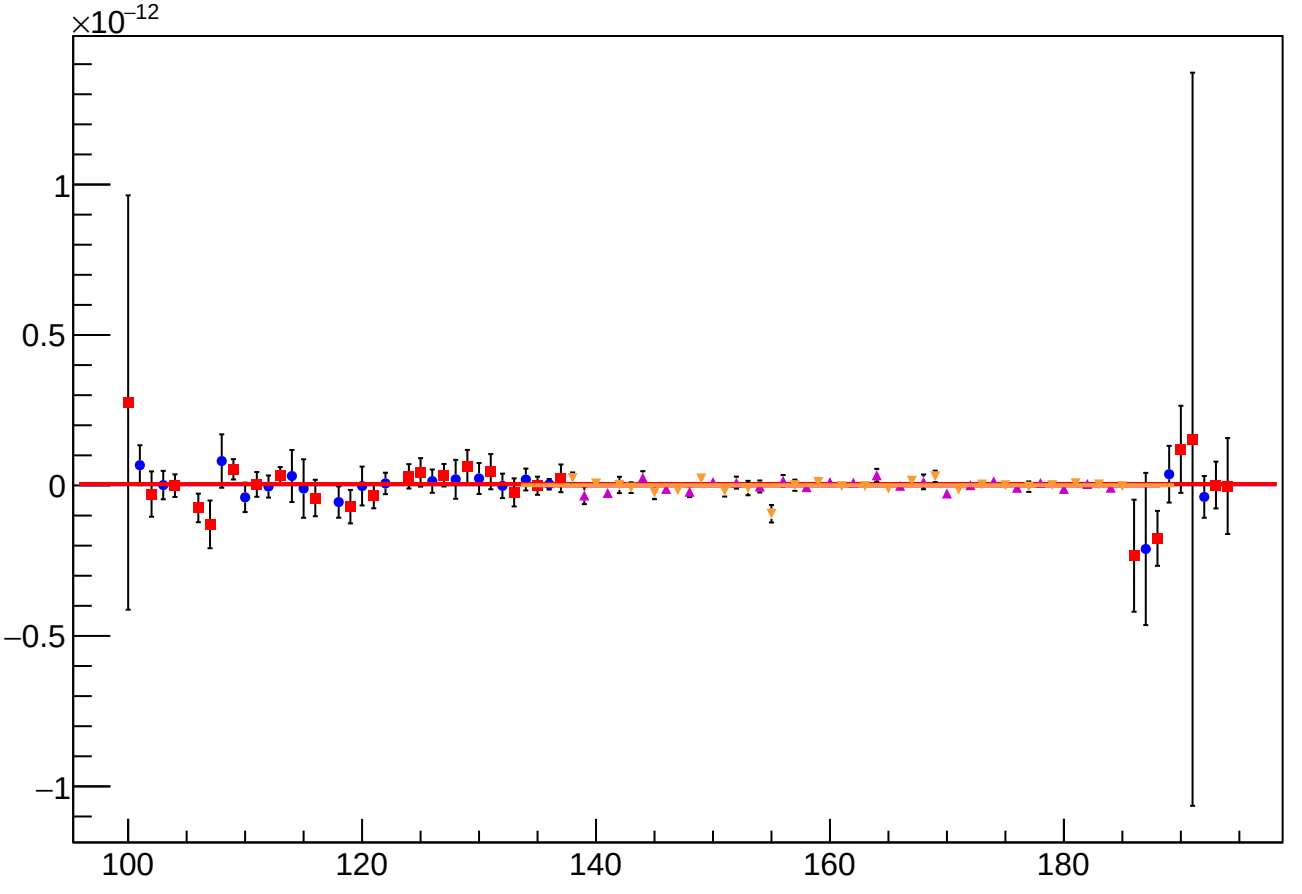
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 56.473+/-0.009 χ^2/NDF: 5177454.4/43

All: 58.569+/-0.006 χ^2/NDF: 10310792.0/91

- sign 60.803+/-0.009 χ^2/NDF: 5016351.0/47

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: 22.4/24

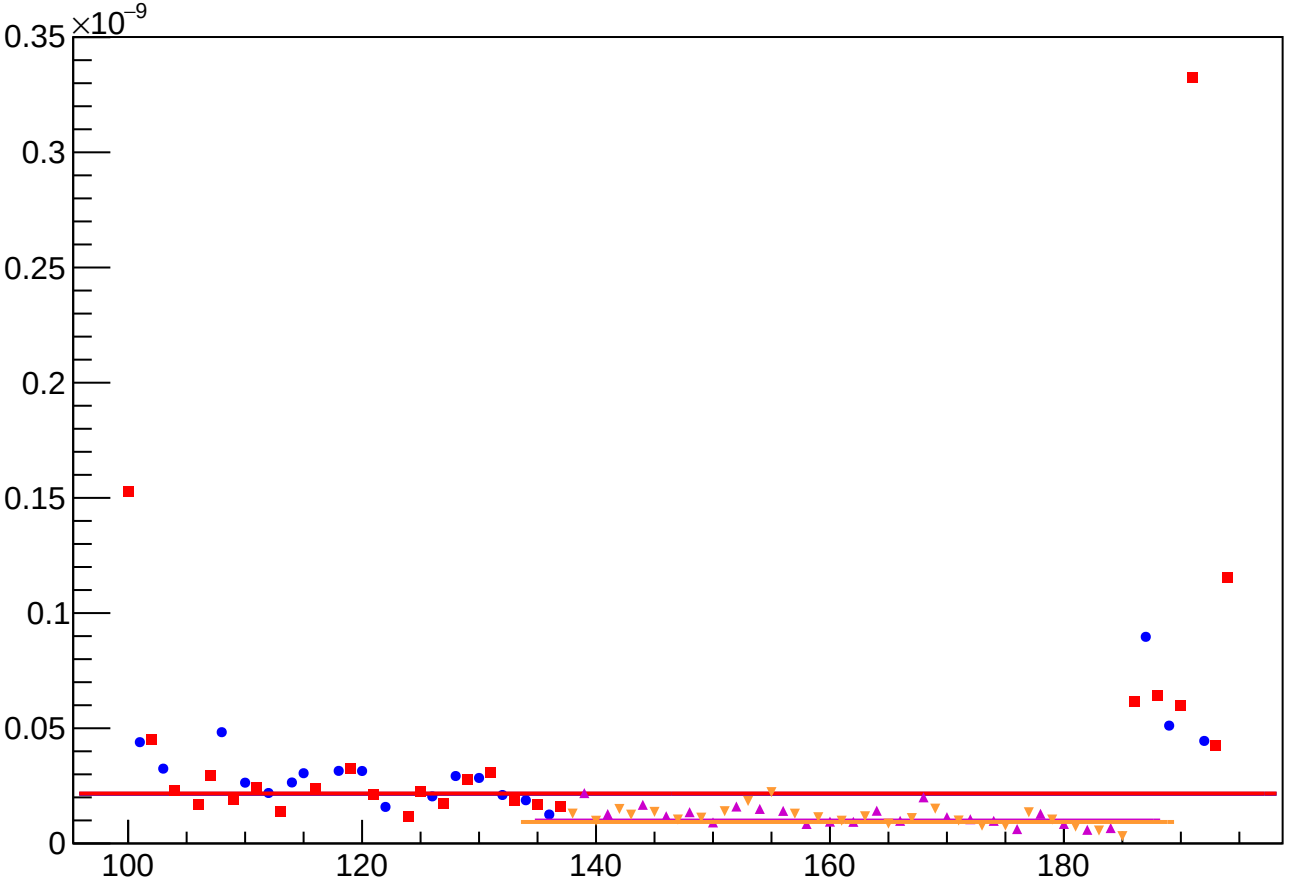
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.0/43

All: 0.000+/-0.000 χ^2/NDF: 73.9/91

- sign 0.000+/-0.000 χ^2/NDF: 42.8/47

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: 2494723.8/24

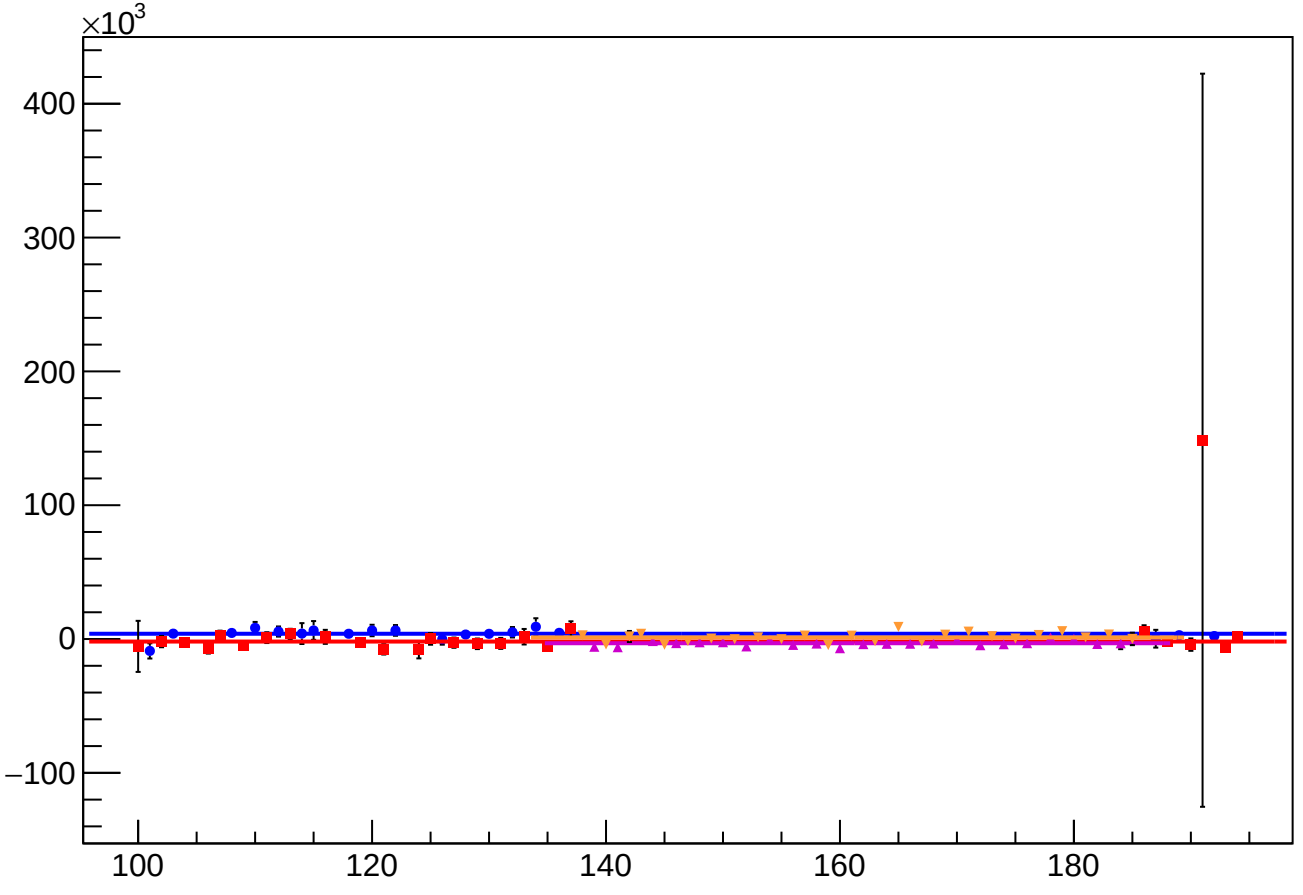
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7706639.4/43

All: 0.000+/-0.000 χ^2/NDF: 15418996.8/91

- sign 0.000+/-0.000 χ^2/NDF: 7644175.2/47

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: -1886.189+/-791.118 χ^2/NDF: 21.8/24

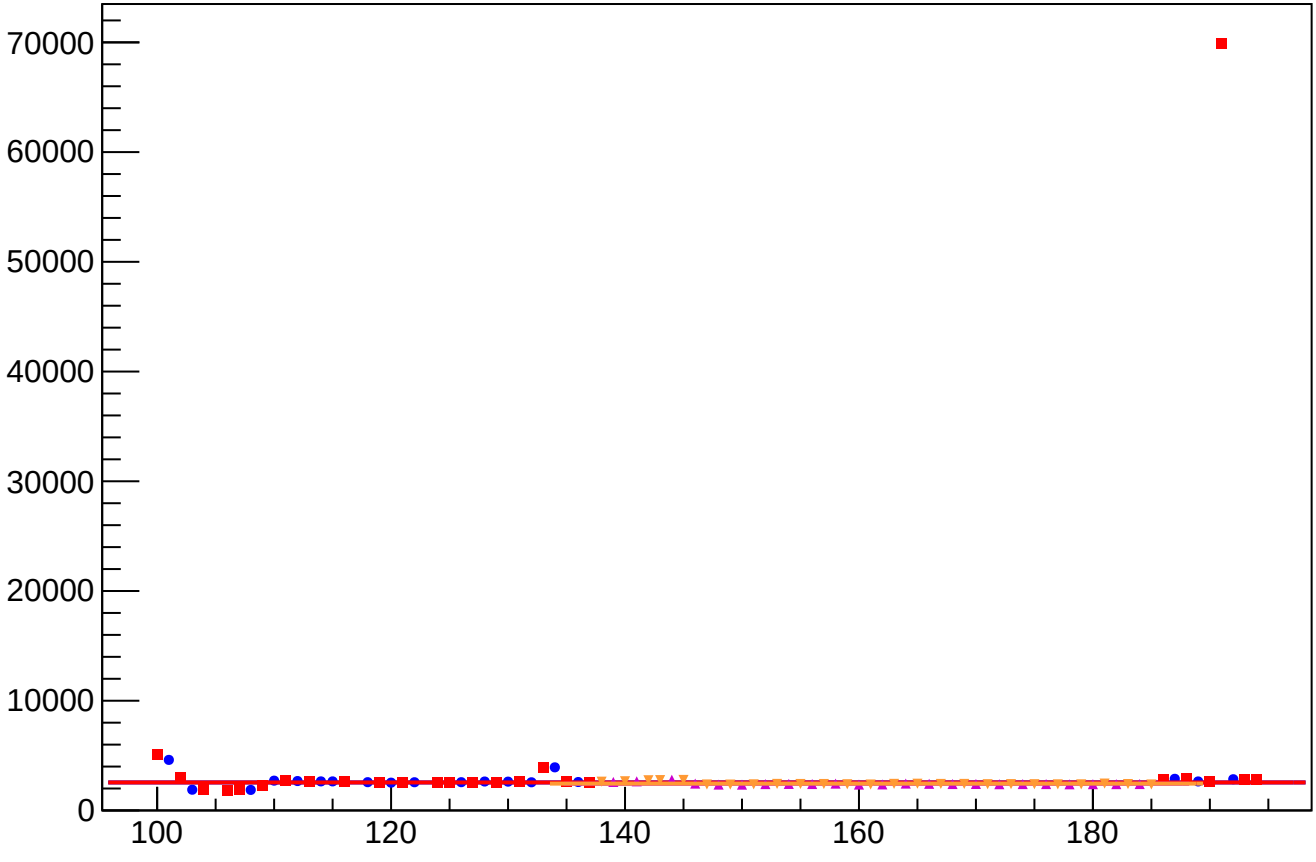
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 1987.289+/-468.602 χ^2/NDF: 48.0/43

All: -398.083+/-329.010 χ^2/NDF: 135.2/91

- sign -2717.202+/-462.049 χ^2/NDF: 36.1/47

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: 2551.986+/-0.559 χ^2/NDF: 678088.4/24

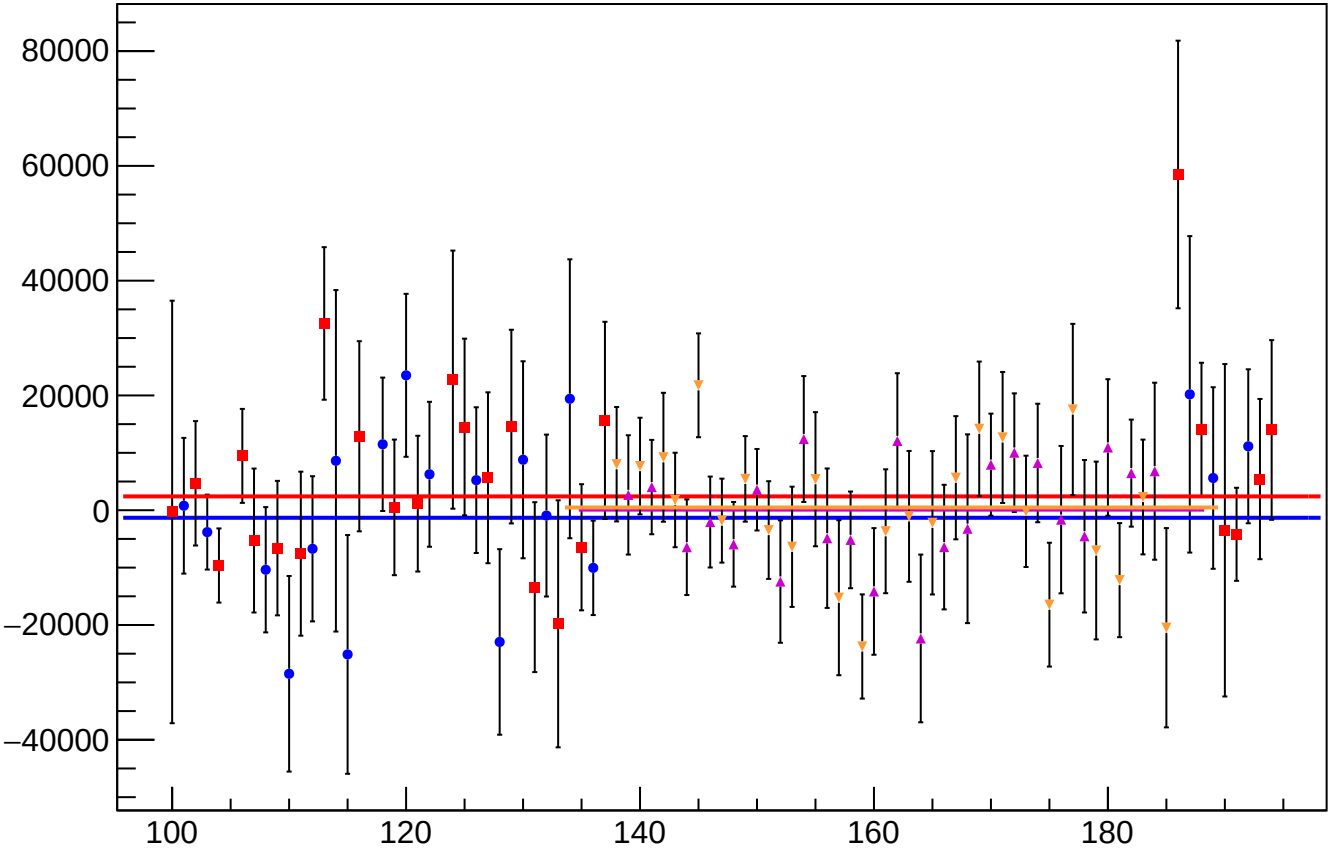
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2477.021+/-0.331 χ^2/NDF: 754463.3/43

All: 2476.265+/-0.233 χ^2/NDF: 1520101.3/91

- sign 2475.531+/-0.327 χ^2/NDF: 765627.8/47

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: 2409.774+/-2518.534 χ^2/NDF: 24.8/24

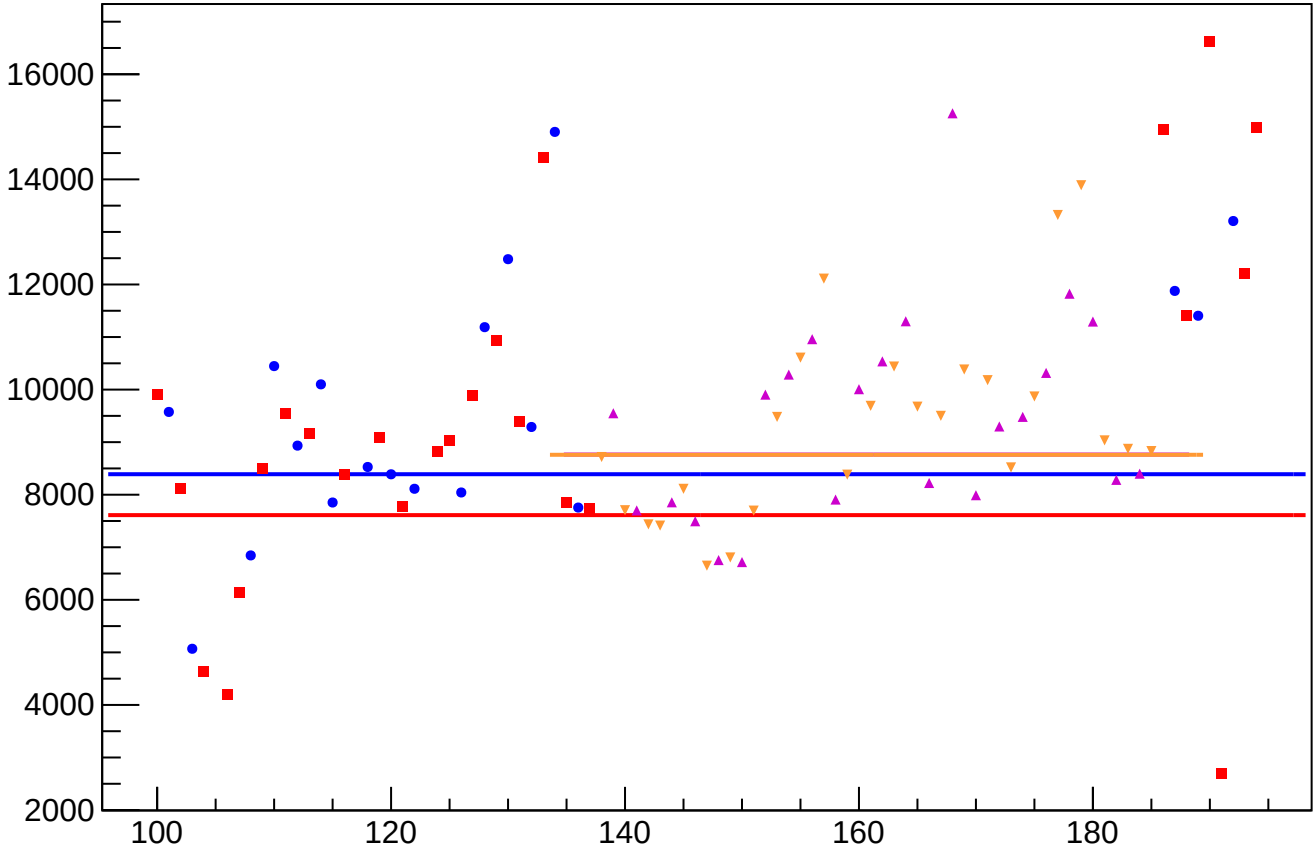
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign -107.158+/-1671.714 χ^2/NDF: 43.2/43

All: 491.216+/-1159.177 χ^2/NDF: 83.3/91

- sign 1045.361+/-1608.745 χ^2/NDF: 39.8/47

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

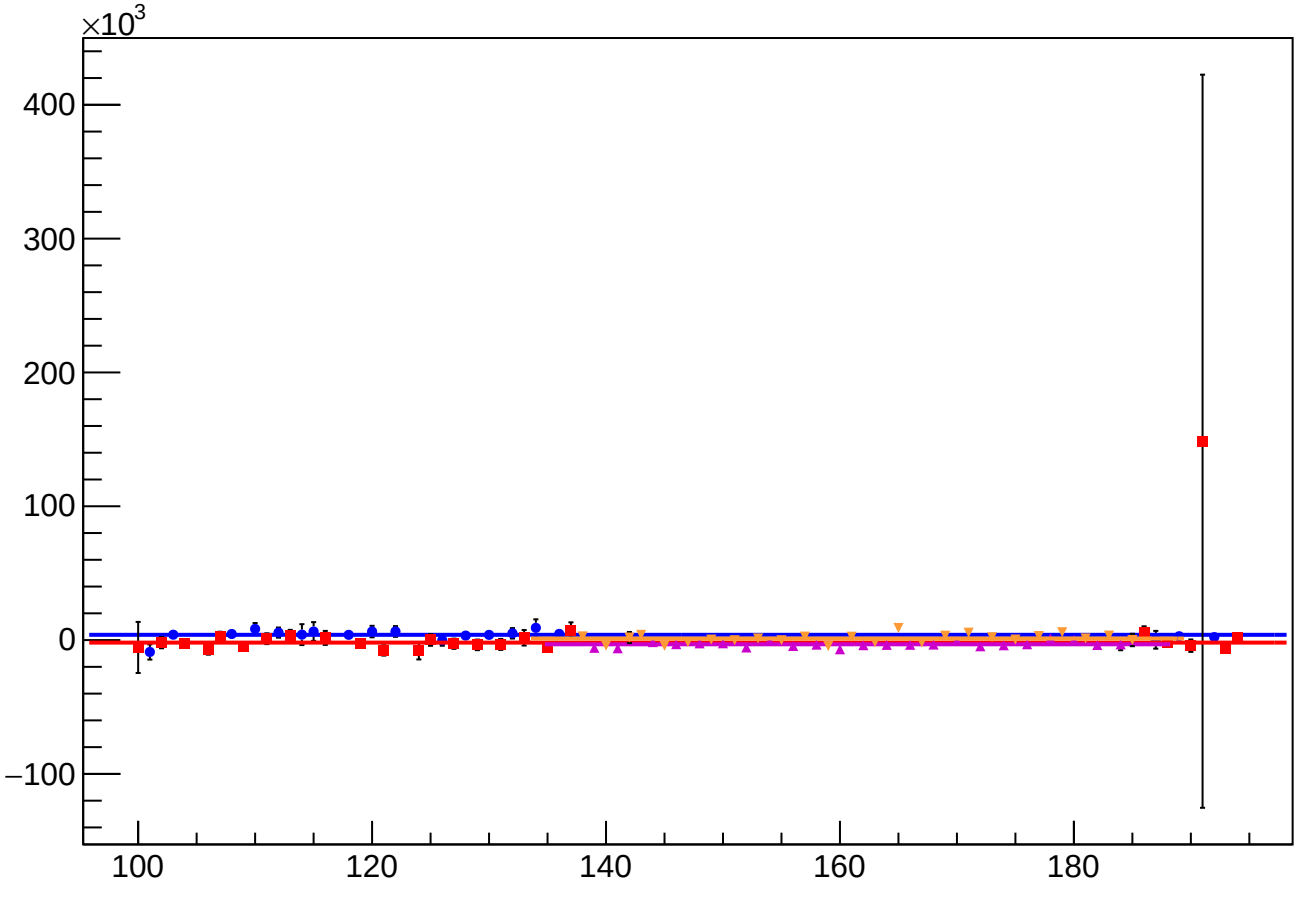
Right Out: 7611.668+/-1.781 χ^2/NDF: 3298814.5/24

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 8639.215+/-1.182 χ^2/NDF: 2564973.4/43

All: 8459.936+/-0.820 χ^2/NDF: 7447705.7/91

- sign 8293.909+/-1.138 χ^2/NDF: 4838428.7/47



Right In: 3939.022+/-869.741 χ^2/NDF: 9.8/18

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1886.663+/-791.123 χ^2/NDF: 21.8/24

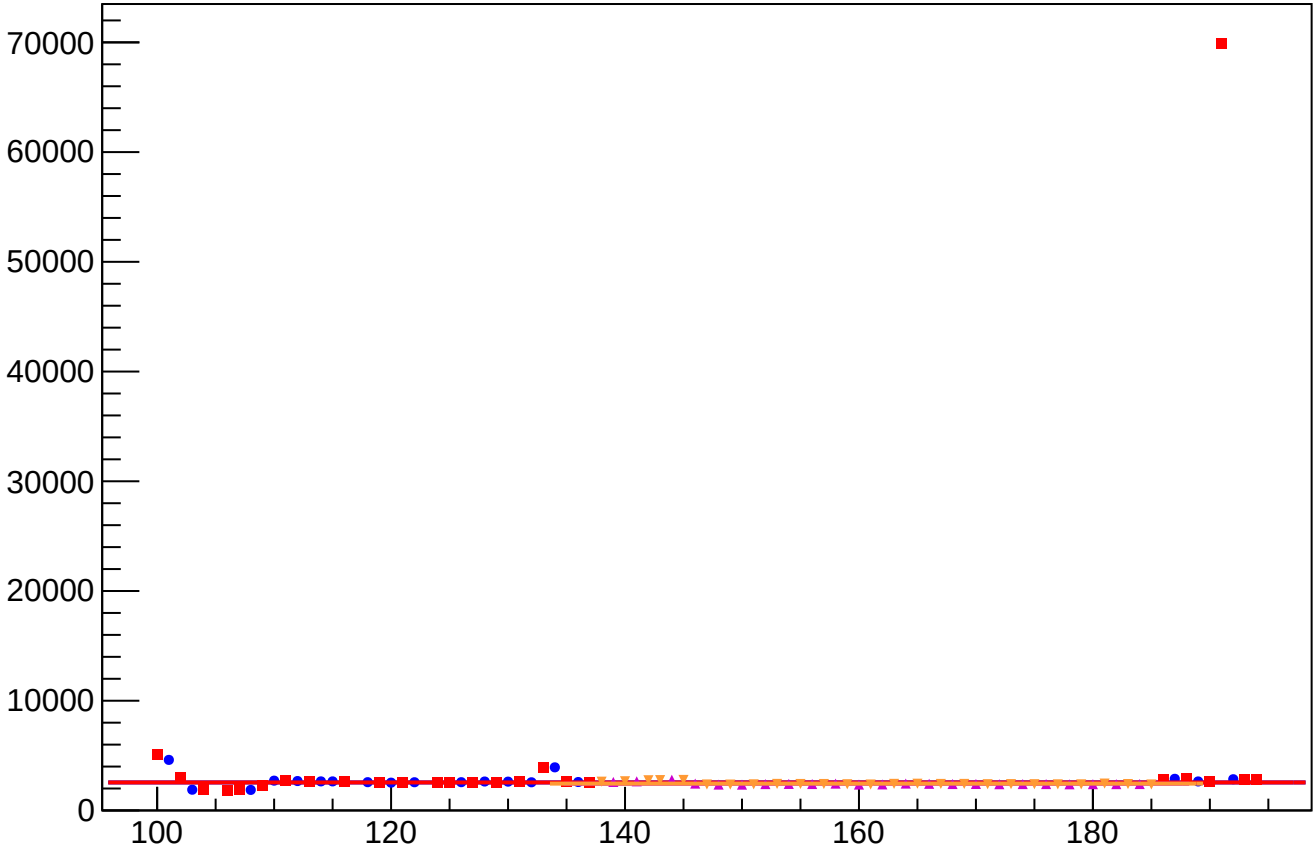
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1987.062+/-468.602 χ^2/NDF: 48.0/43

All: -398.209+/-329.011 χ^2/NDF: 135.2/91

- sign -2717.237+/-462.050 χ^2/NDF: 36.2/47

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: 2552.005+/-0.559 χ^2/NDF: 678021.9/24

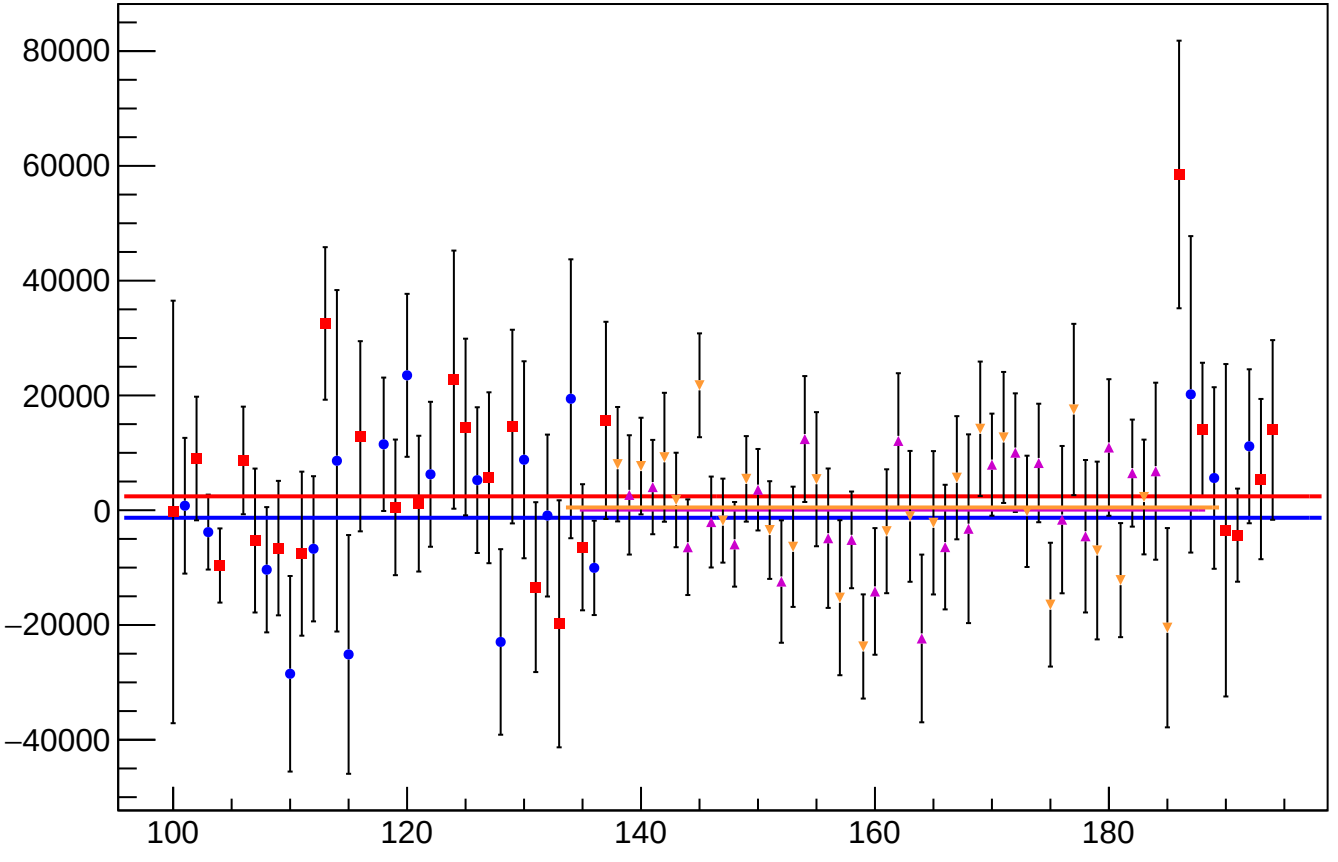
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2477.021+/-0.331 χ^2/NDF: 754461.2/43

All: 2476.269+/-0.233 χ^2/NDF: 1520041.7/91

- sign 2475.537+/-0.327 χ^2/NDF: 765570.4/47

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: 2418.180+/-2546.583 χ^2/NDF: 24.9/24

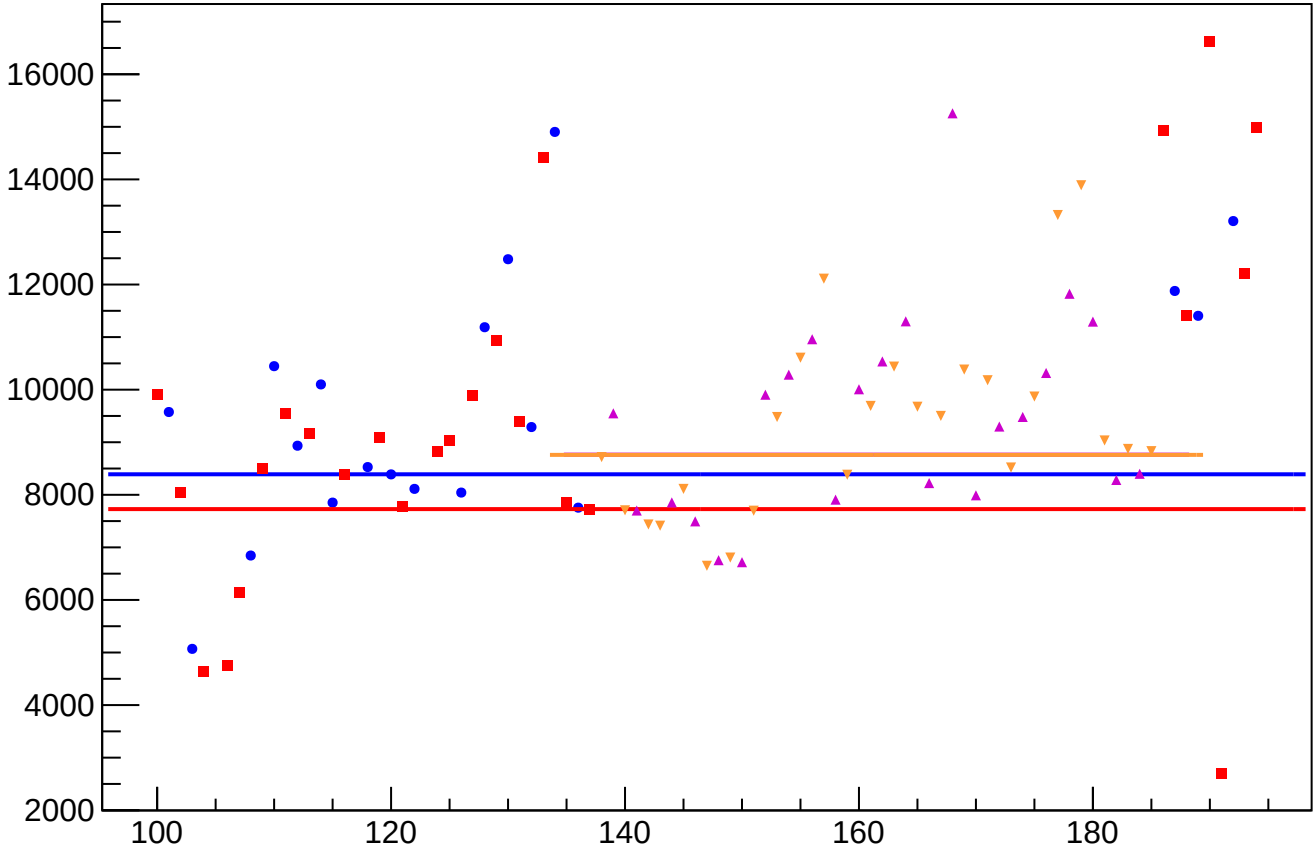
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -107.038+/-1671.727 χ^2/NDF: 43.2/43

All: 484.105+/-1161.880 χ^2/NDF: 83.3/91

- sign 1036.482+/-1615.984 χ^2/NDF: 39.9/47

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: 7728.111+/-1.801 χ^2/NDF: 3129697.0/24

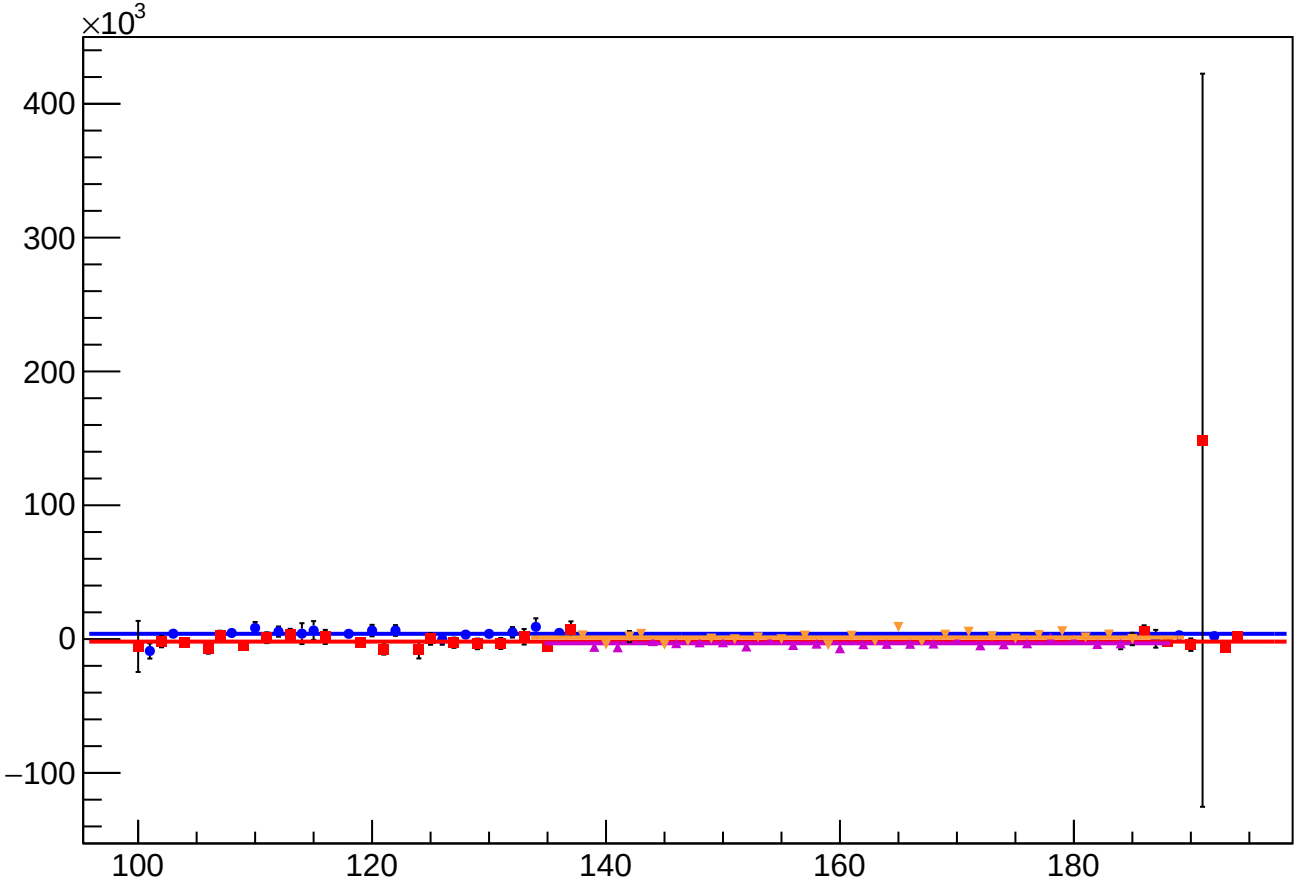
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8639.315+/-1.182 χ^2/NDF: 2564589.0/43

All: 8488.176+/-0.822 χ^2/NDF: 7215334.6/91

- sign 8346.948+/-1.143 χ^2/NDF: 4619122.4/47

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: -1886.663+/-791.123 χ^2/NDF: 21.8/24

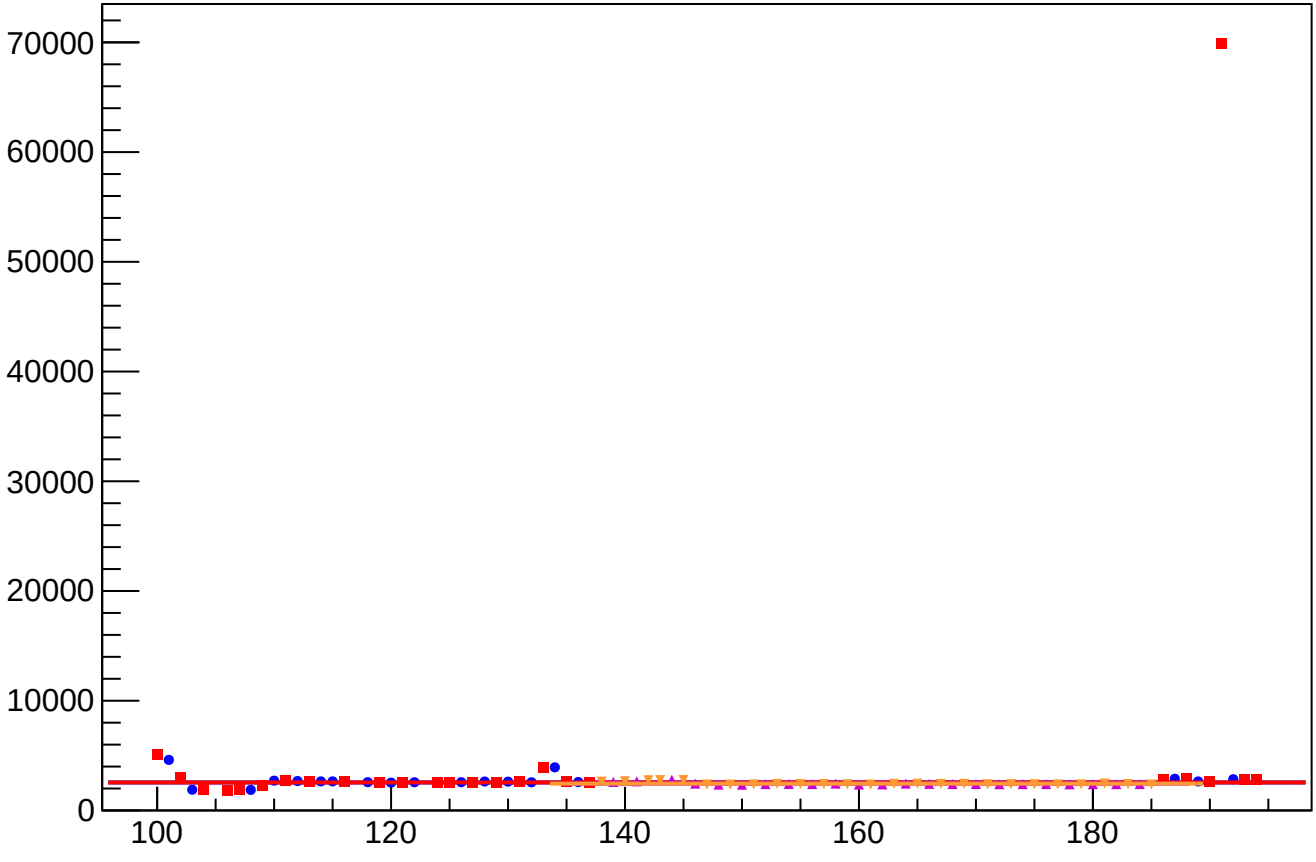
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1987.062+/-468.602 χ^2/NDF: 48.0/43

All: -398.209+/-329.011 χ^2/NDF: 135.2/91

- sign -2717.237+/-462.050 χ^2/NDF: 36.2/47

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: 2552.005+/-0.559 χ^2/NDF: 678021.9/24

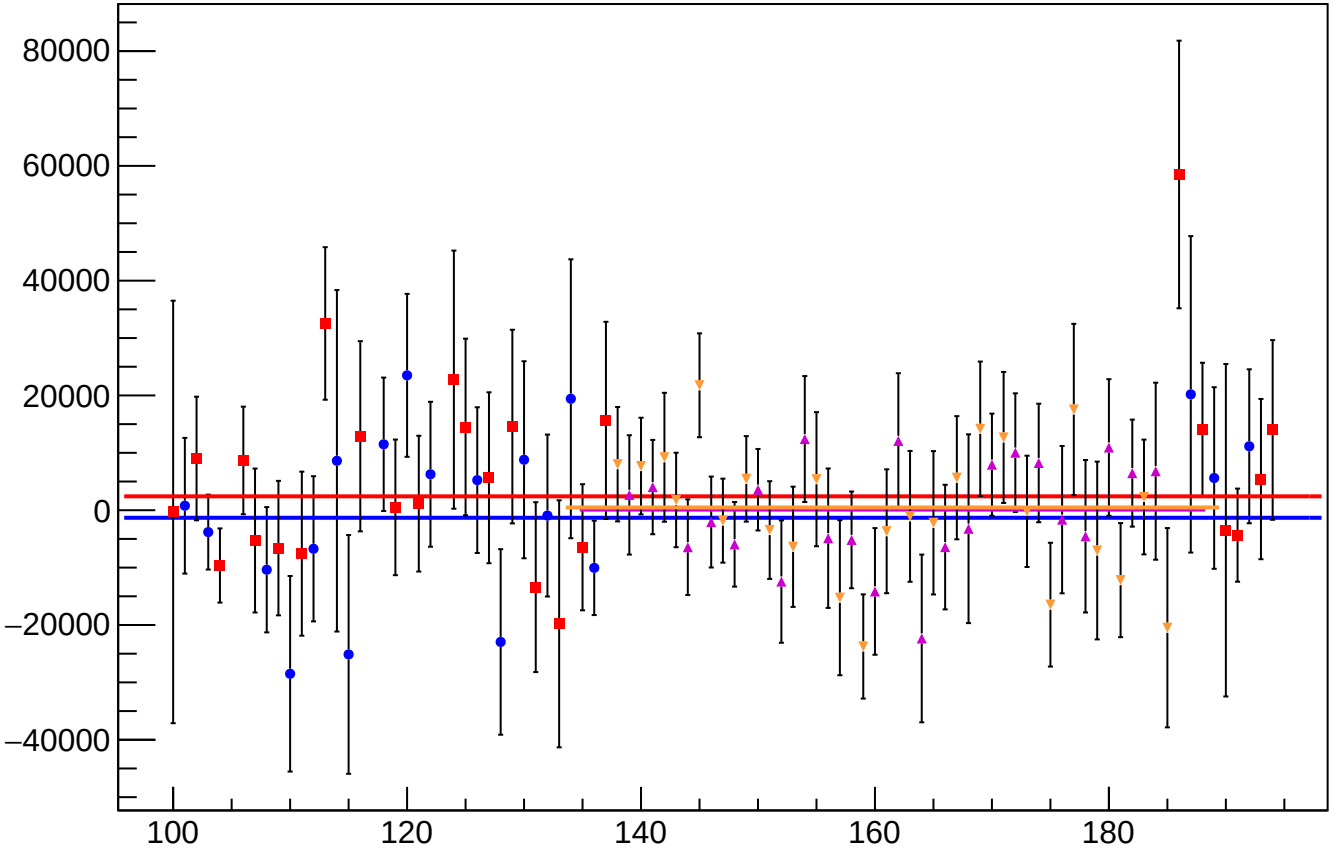
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2477.021+/-0.331 χ^2/NDF: 754461.2/43

All: 2476.269+/-0.233 χ^2/NDF: 1520041.7/91

- sign 2475.537+/-0.327 χ^2/NDF: 765570.4/47

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: 2418.180+/-2546.583 χ^2/NDF: 24.9/24

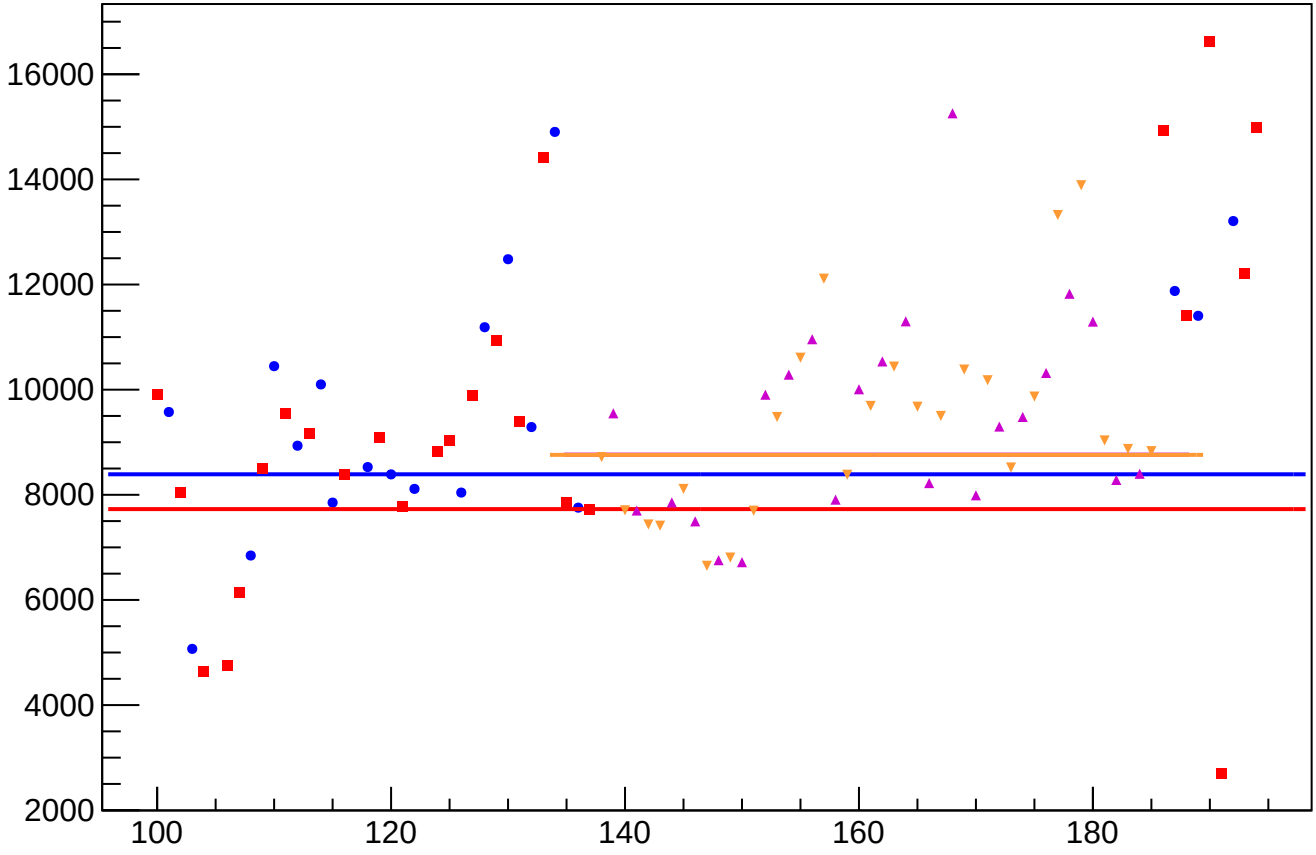
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -107.038+/-1671.727 χ^2/NDF: 43.2/43

All: 484.105+/-1161.880 χ^2/NDF: 83.3/91

- sign 1036.482+/-1615.984 χ^2/NDF: 39.9/47

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: 7728.111+/-1.801 χ^2/NDF: 3129697.0/24

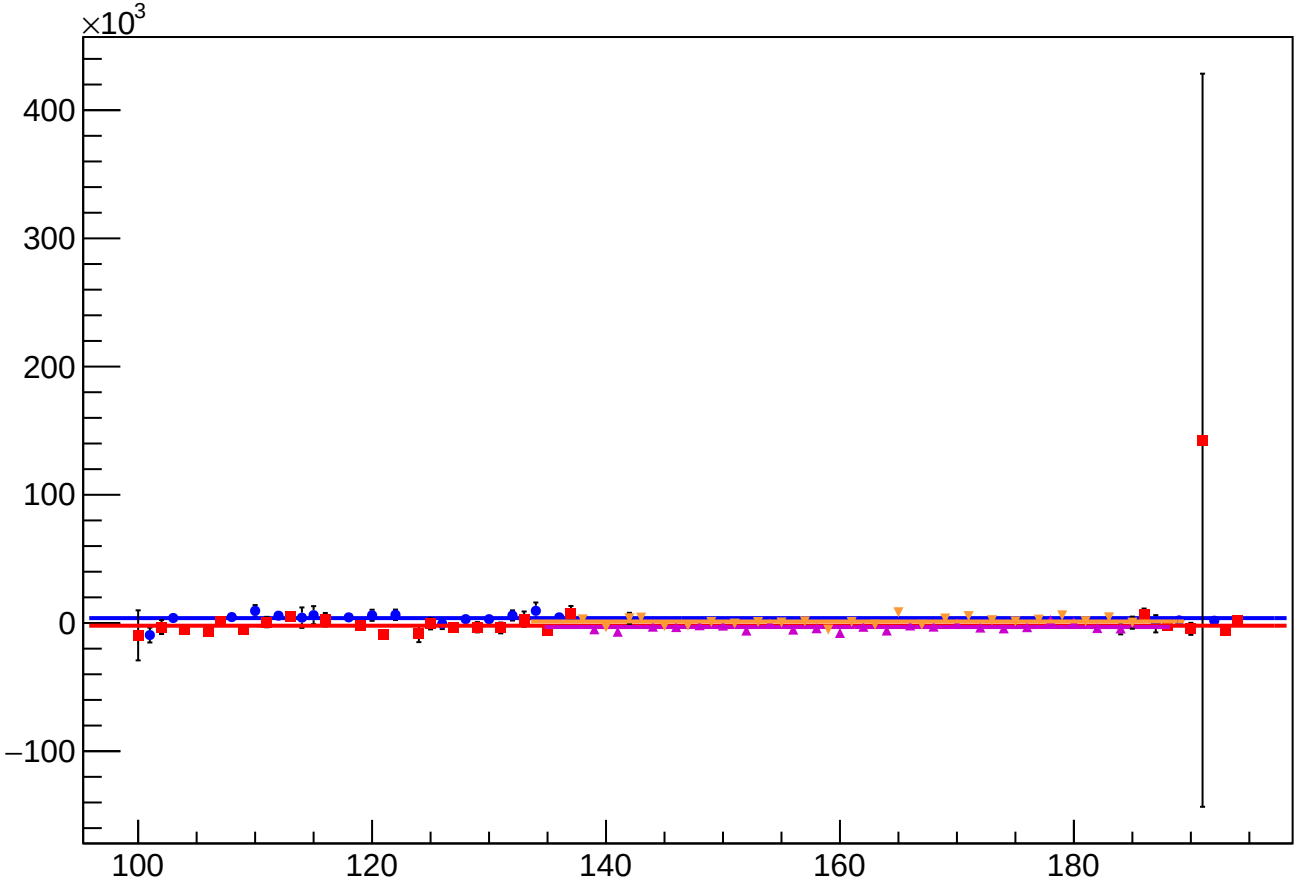
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8639.315+/-1.182 χ^2/NDF: 2564589.0/43

All: 8488.176+/-0.822 χ^2/NDF: 7215334.6/91

- sign 8346.948+/-1.143 χ^2/NDF: 4619122.4/47

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: -2118.568+/-821.100 χ^2/NDF: 25.4/24

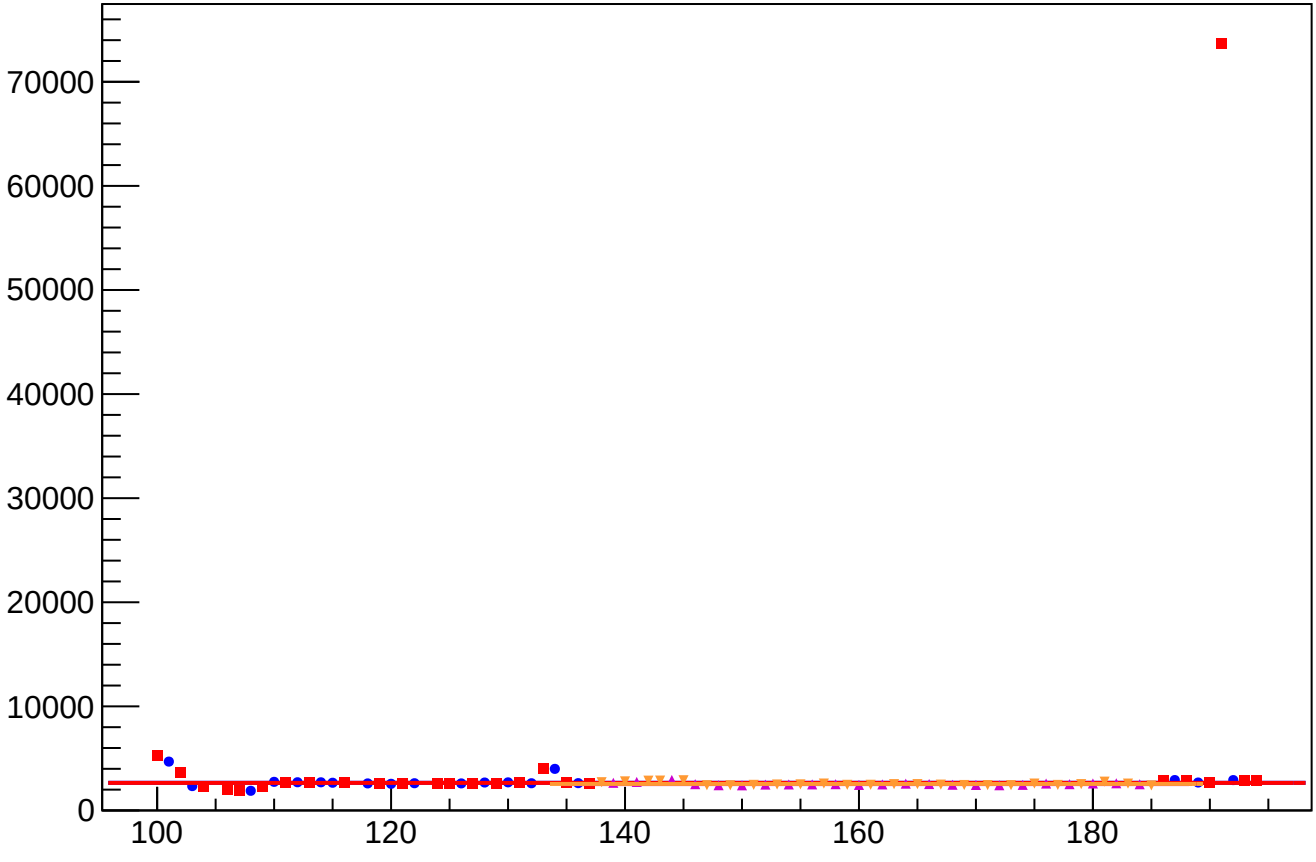
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 1971.980+/-487.669 χ^2/NDF: 44.1/43

All: -449.135+/-342.187 χ^2/NDF: 135.5/91

- sign -2797.306+/-480.266 χ^2/NDF: 42.9/47

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: 2647.735+/-0.580 χ^2/NDF: 588703.3/24

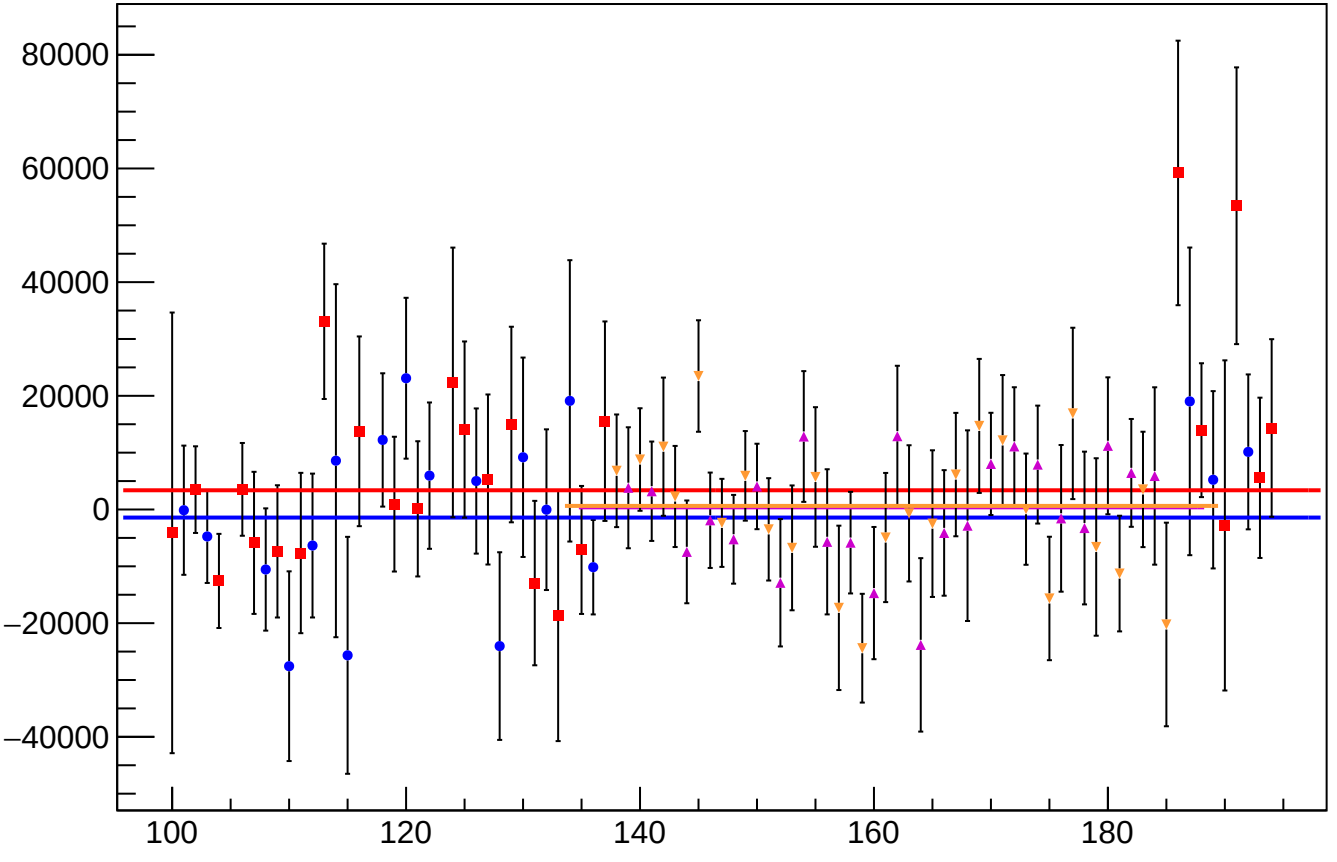
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2579.434+/-0.345 χ^2/NDF: 645680.9/43

All: 2575.723+/-0.242 χ^2/NDF: 1328860.8/91

- sign 2572.124+/-0.340 χ^2/NDF: 682951.7/47

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: 3380.881+/-2651.755 χ^2/NDF: 27.6/24

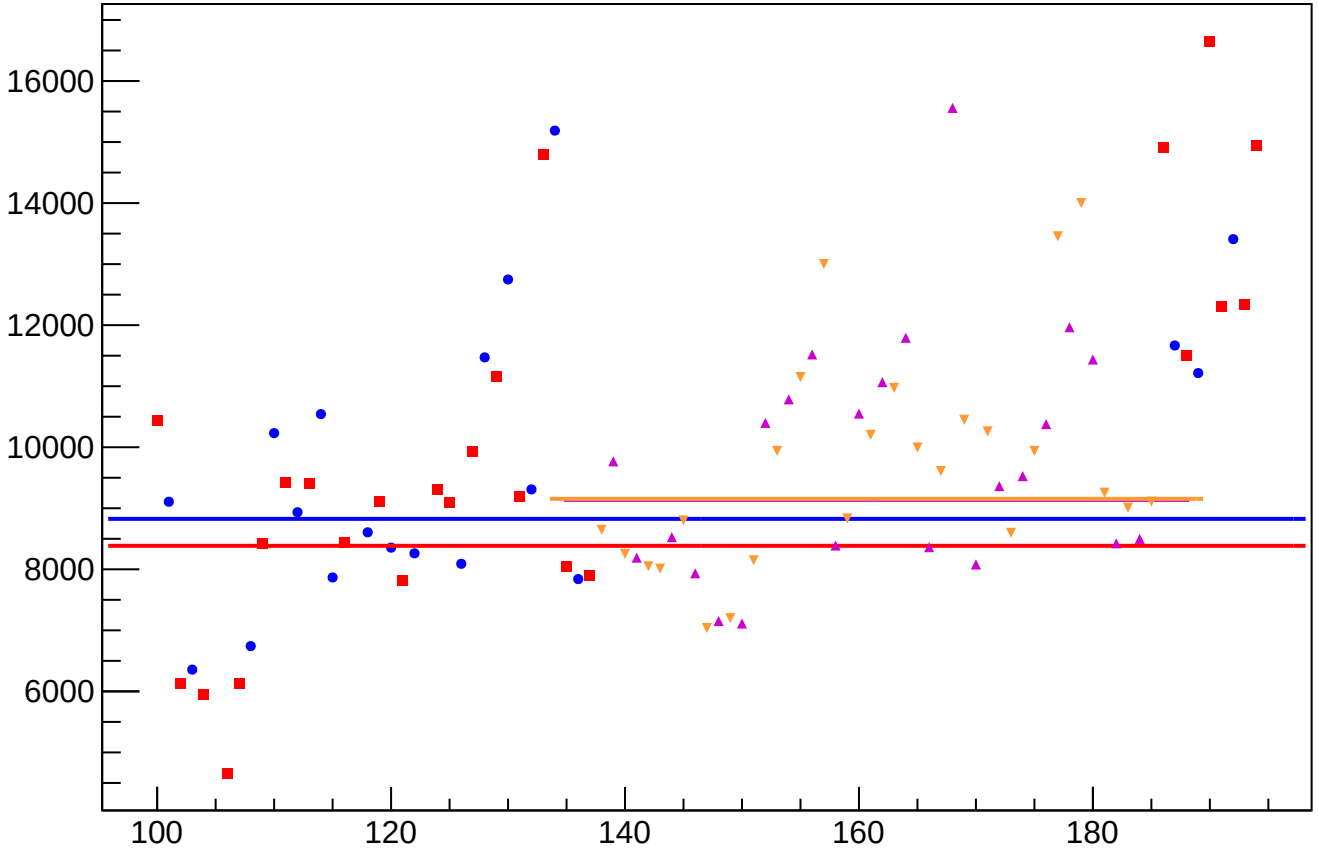
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign -39.724+/-1741.657 χ^2/NDF: 42.4/43

All: 801.594+/-1210.008 χ^2/NDF: 85.4/91

- sign 1586.549+/-1682.305 χ^2/NDF: 42.6/47

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

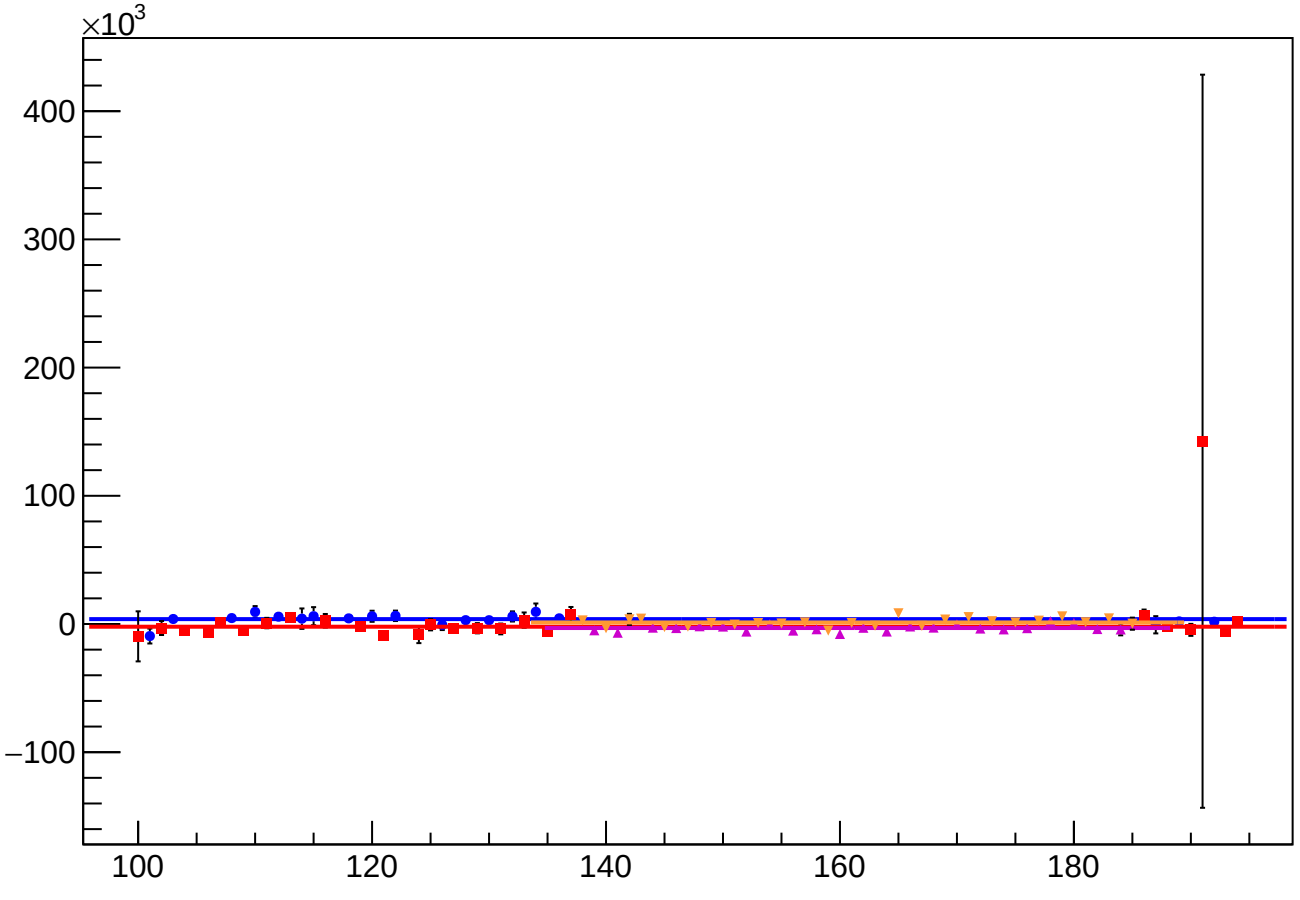
Right Out: 8384.916+/-1.875 χ^2/NDF: 2151166.9/24

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 9047.347+/-1.232 χ^2/NDF: 1993421.7/43

All: 8937.311+/-0.856 χ^2/NDF: 5429087.7/91

- sign 8834.646+/-1.190 χ^2/NDF: 3420234.4/47



Right In: 3807.532+/-902.019 χ^2/NDF: 11.4/18

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -2118.575+/-821.100 χ^2/NDF: 25.4/24

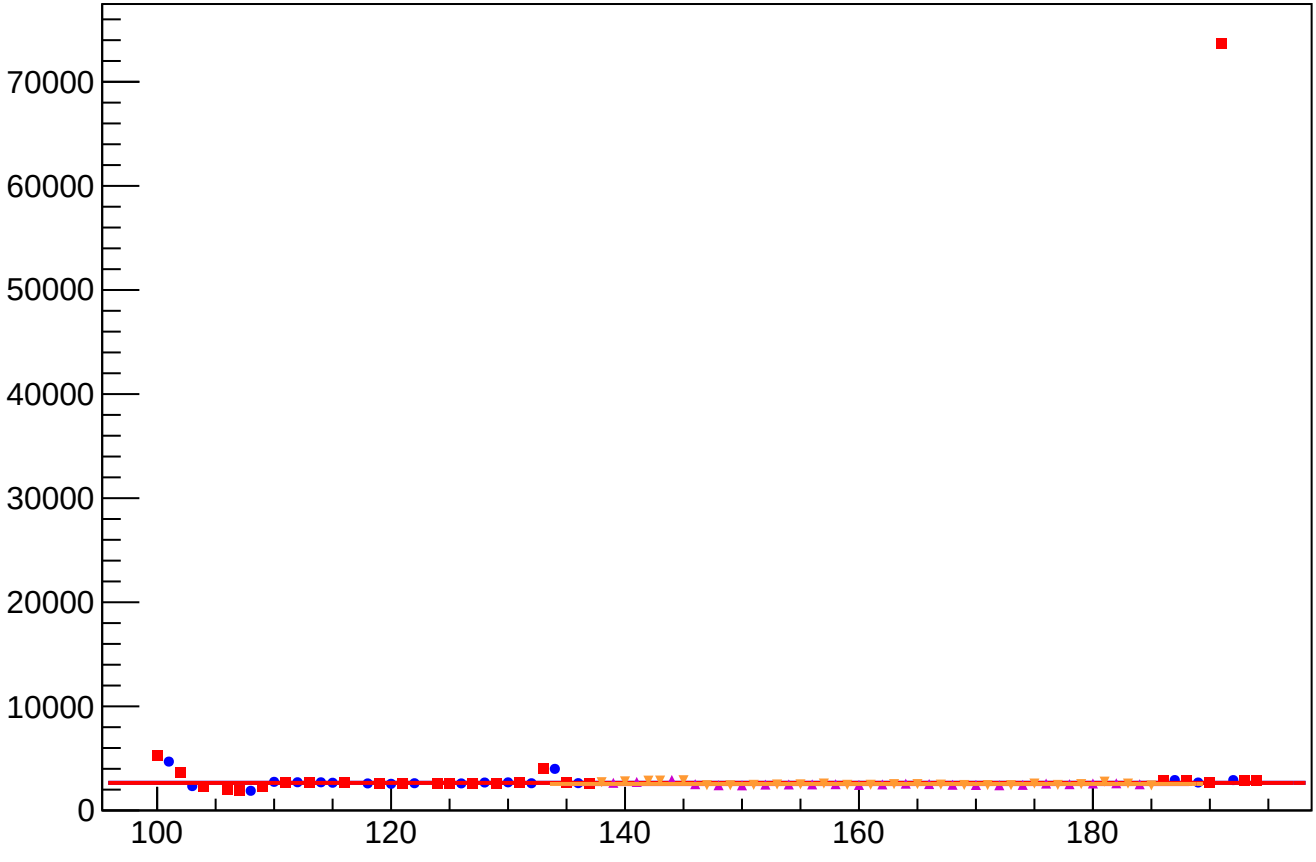
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 1971.975+/-487.669 χ^2/NDF: 44.1/43

All: -449.138+/-342.187 χ^2/NDF: 135.5/91

- sign -2797.308+/-480.266 χ^2/NDF: 42.9/47

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: 2647.734+/-0.580 χ^2/NDF: 588702.9/24

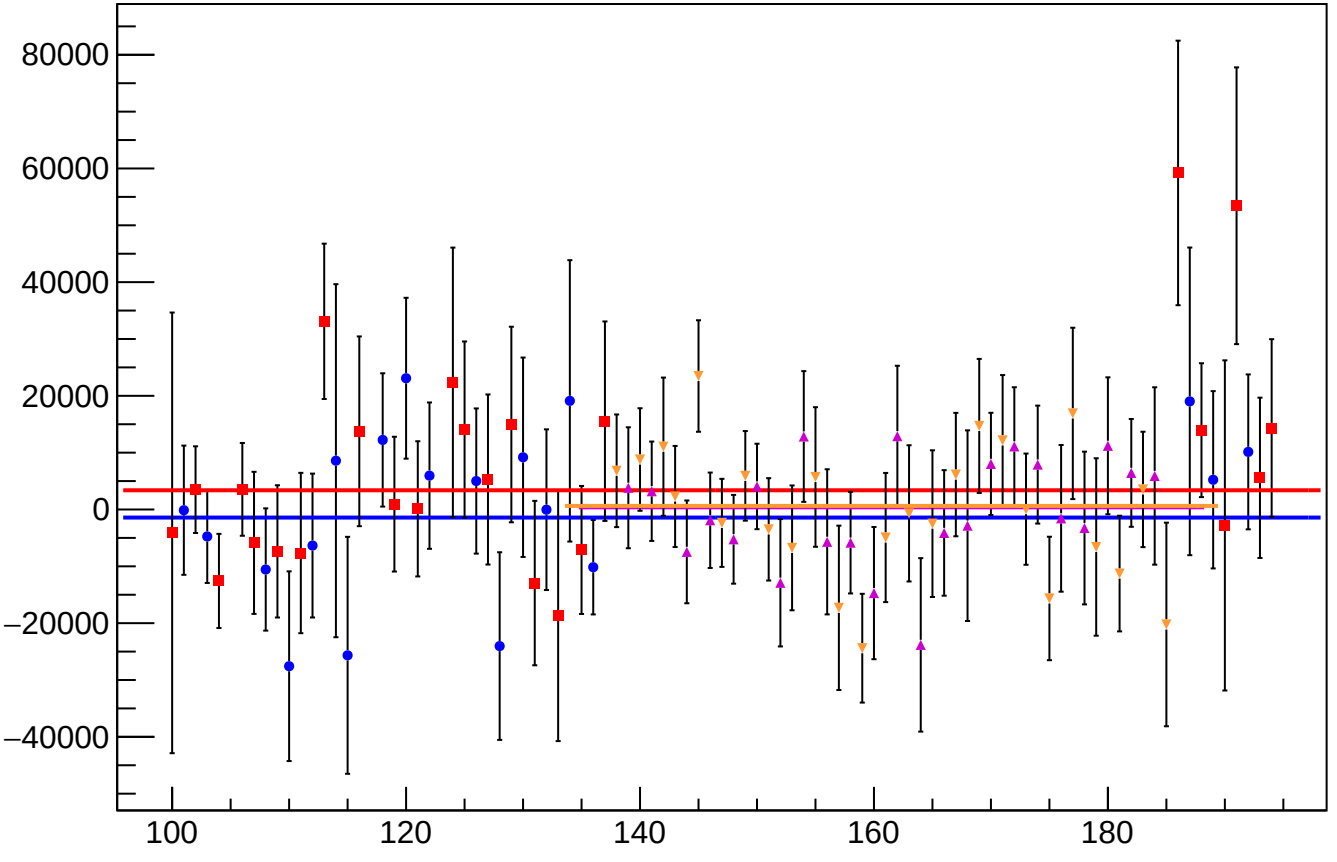
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2579.435+/-0.345 χ^2/NDF: 645679.8/43

All: 2575.724+/-0.242 χ^2/NDF: 1328858.1/91

- sign 2572.126+/-0.340 χ^2/NDF: 682950.1/47

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: 3380.871+/-2651.751 χ^2/NDF: 27.6/24

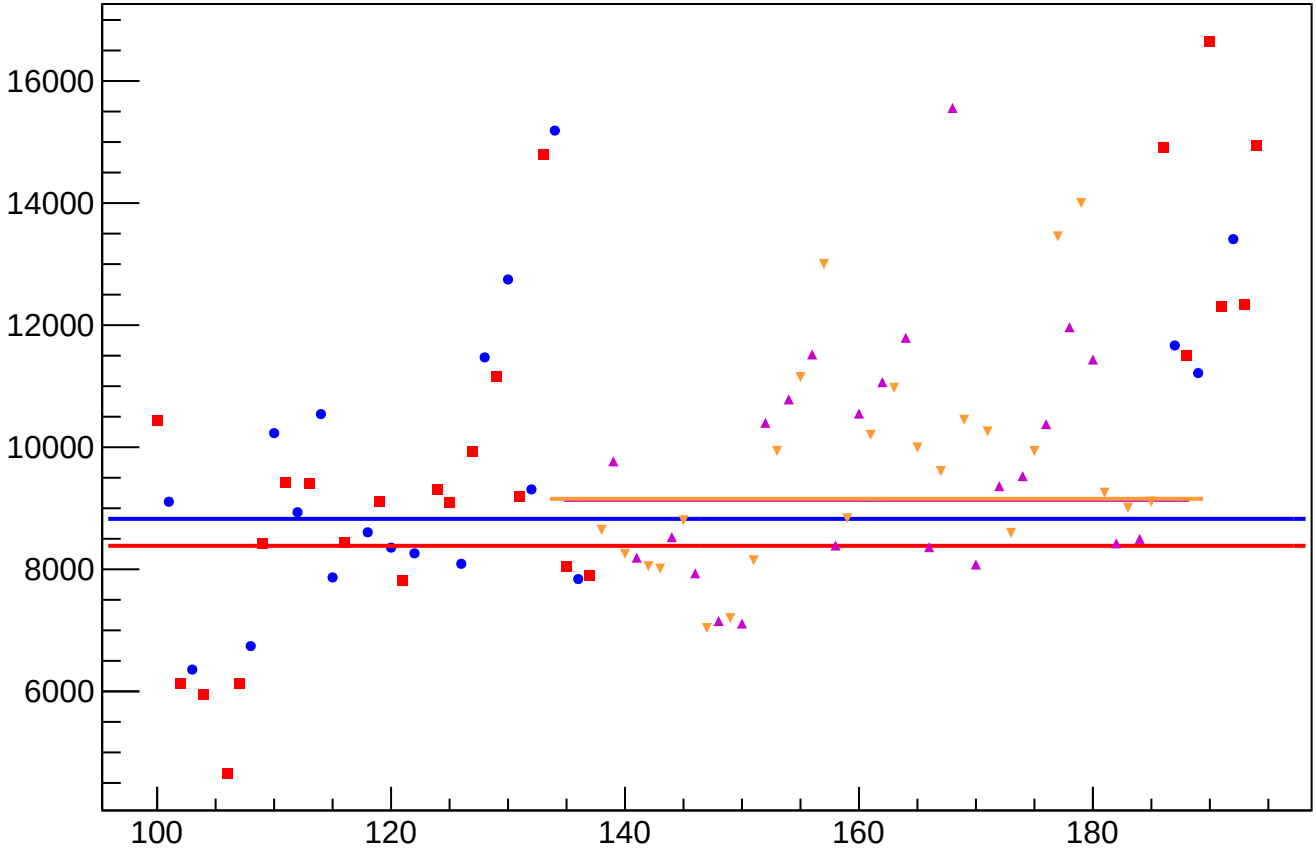
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

\+ sign -39.720+/-1741.658 χ^2/NDF: 42.4/43

All: 801.598+/-1210.009 χ^2/NDF: 85.4/91

\- sign 1586.552+/-1682.306 χ^2/NDF: 42.6/47

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: 8384.904+/-1.875 χ^2/NDF: 2151168.1/24

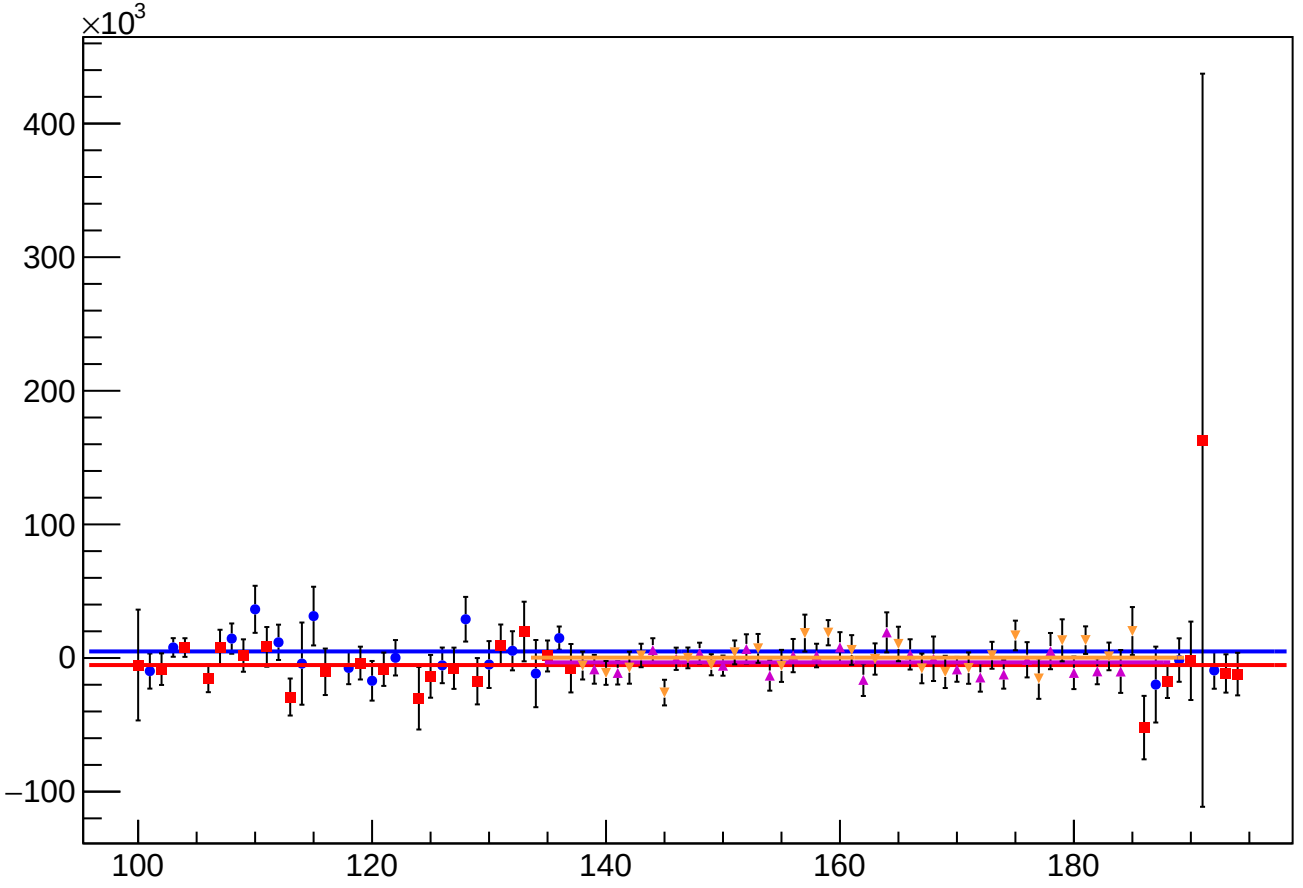
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9047.354+/-1.232 χ^2/NDF: 1993422.8/43

All: 8937.315+/-0.856 χ^2/NDF: 5429100.9/91

- sign 8834.649+/-1.190 χ^2/NDF: 3420246.0/47

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: -5262.277+/-2830.877 χ^2/NDF: 20.1/24

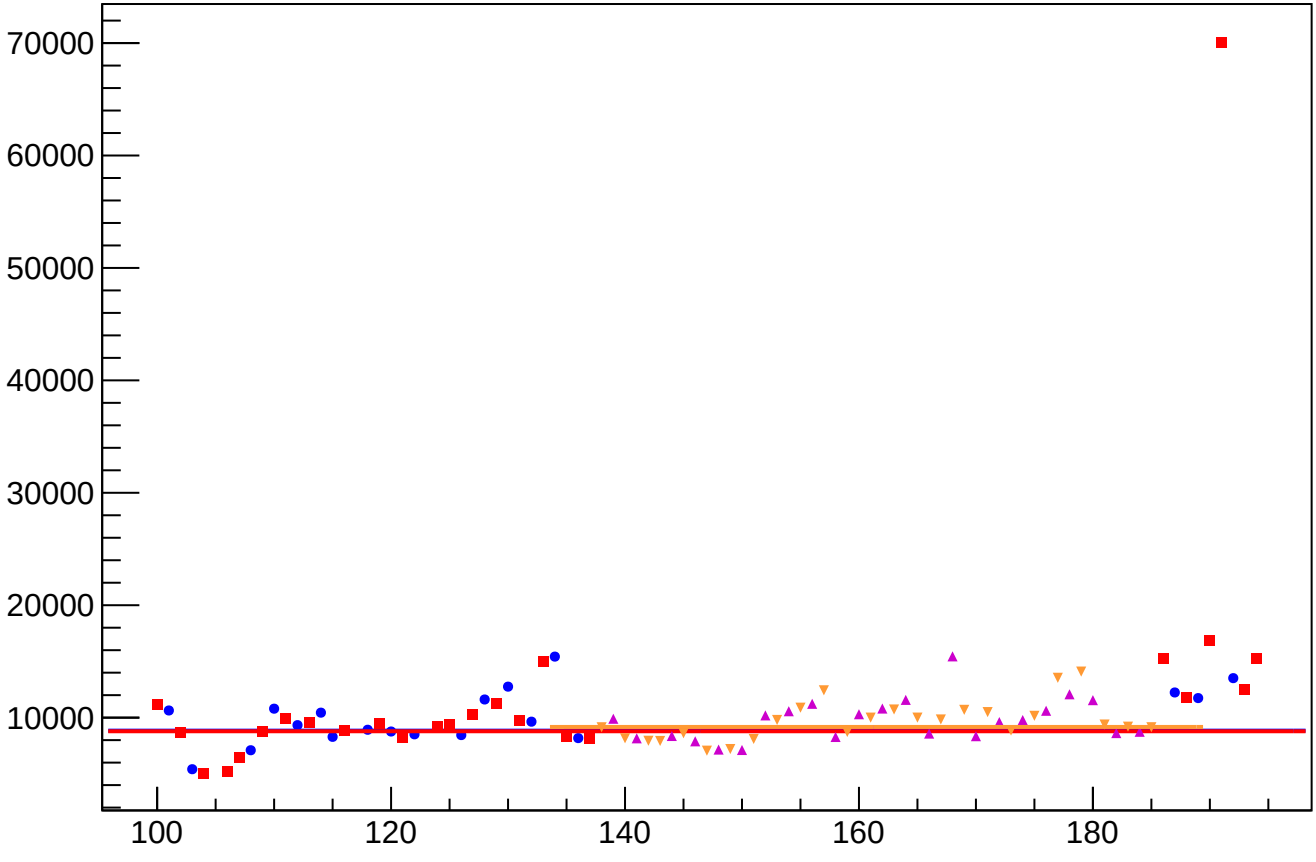
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1794.080+/-1748.804 χ^2/NDF: 45.1/43

All: -1133.397+/-1228.858 χ^2/NDF: 84.6/91

- sign -3988.775+/-1727.134 χ^2/NDF: 33.9/47

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: 8789.485+/-2.002 χ^2/NDF: 2163244.1/24

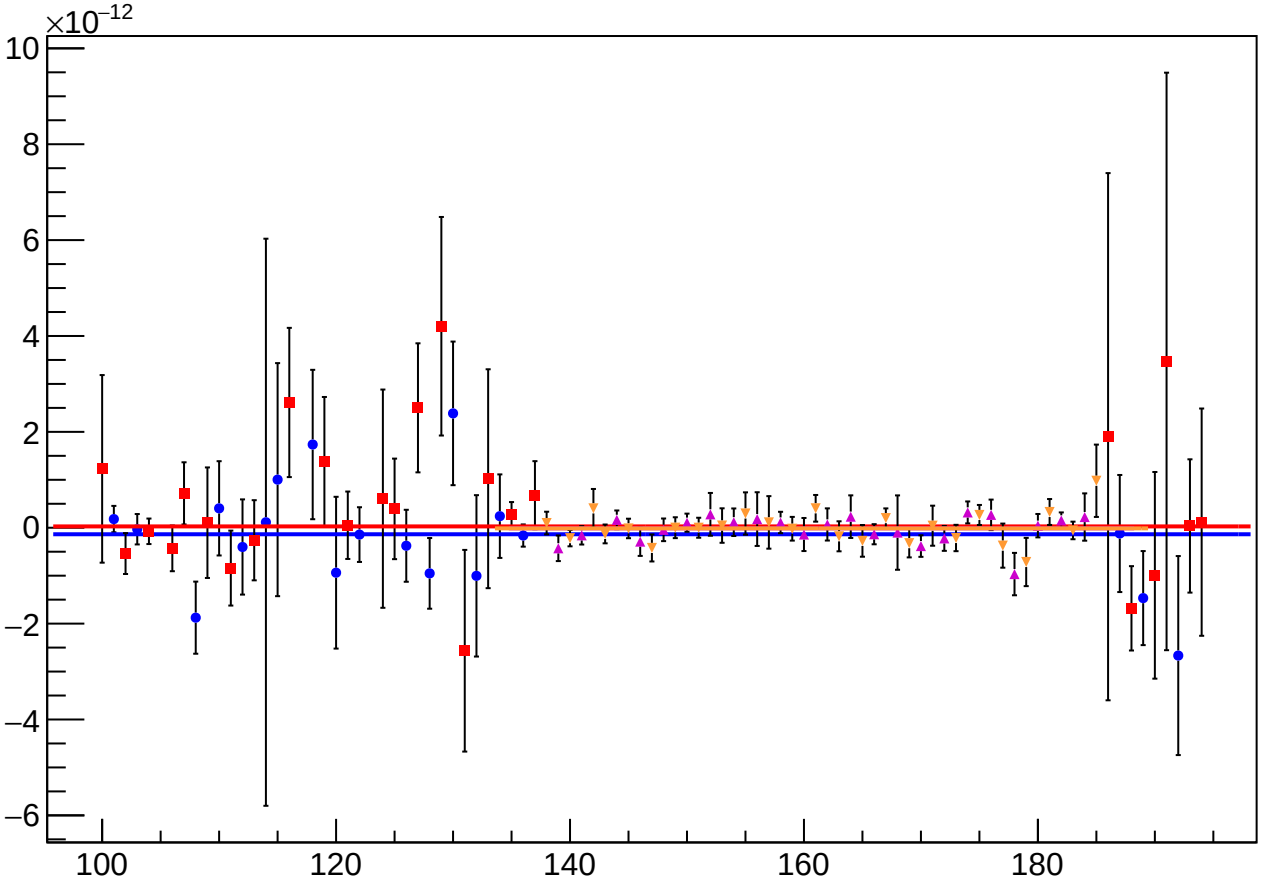
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9066.021+/-1.237 χ^2/NDF: 2311720.5/43

All: 9044.499+/-0.869 χ^2/NDF: 5624870.2/91

- sign 9023.508+/-1.221 χ^2/NDF: 3312551.3/47

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: 24.2/24

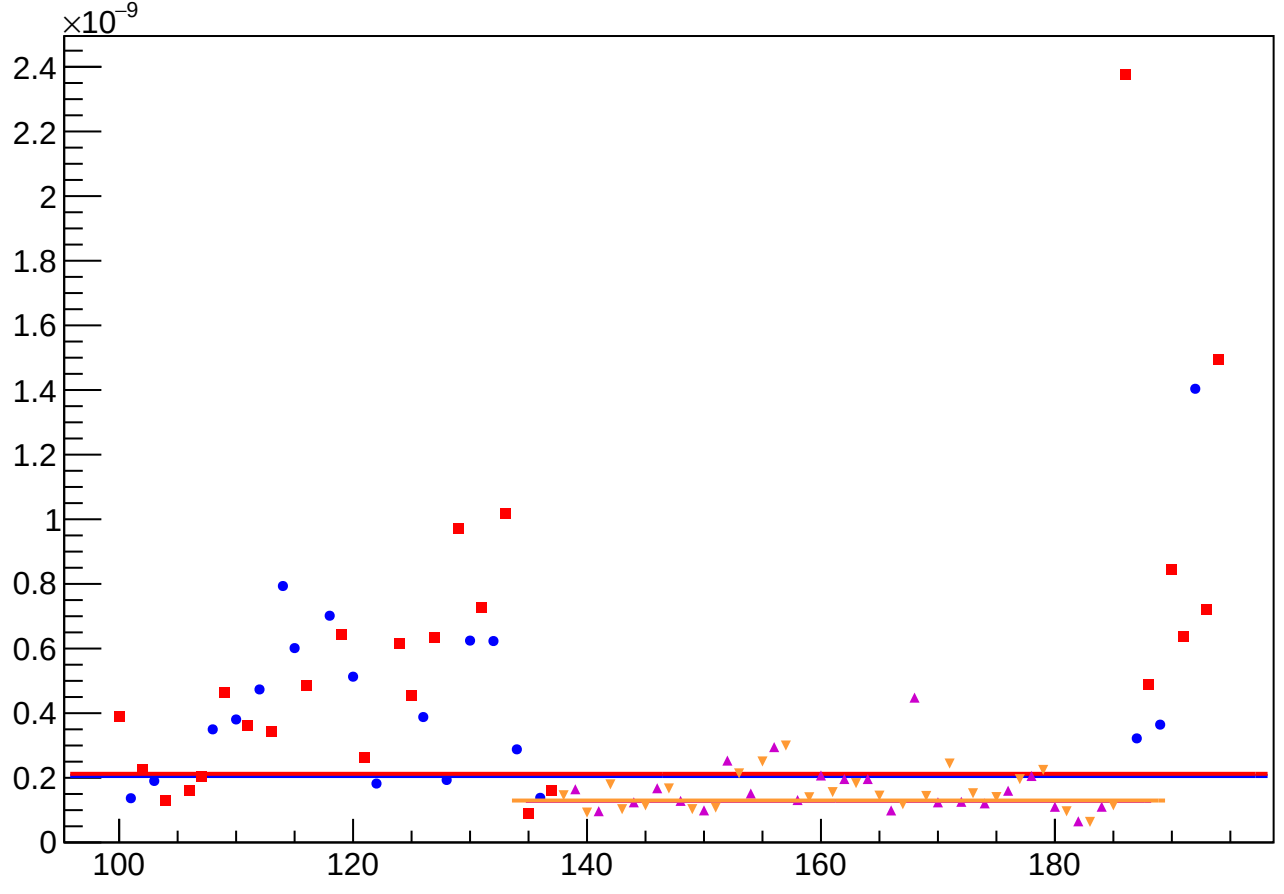
Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.2/43

All: -0.000+/-0.000 χ^2/NDF: 80.7/91

- sign -0.000+/-0.000 χ^2/NDF: 43.4/47

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2089396.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3651227.8/24

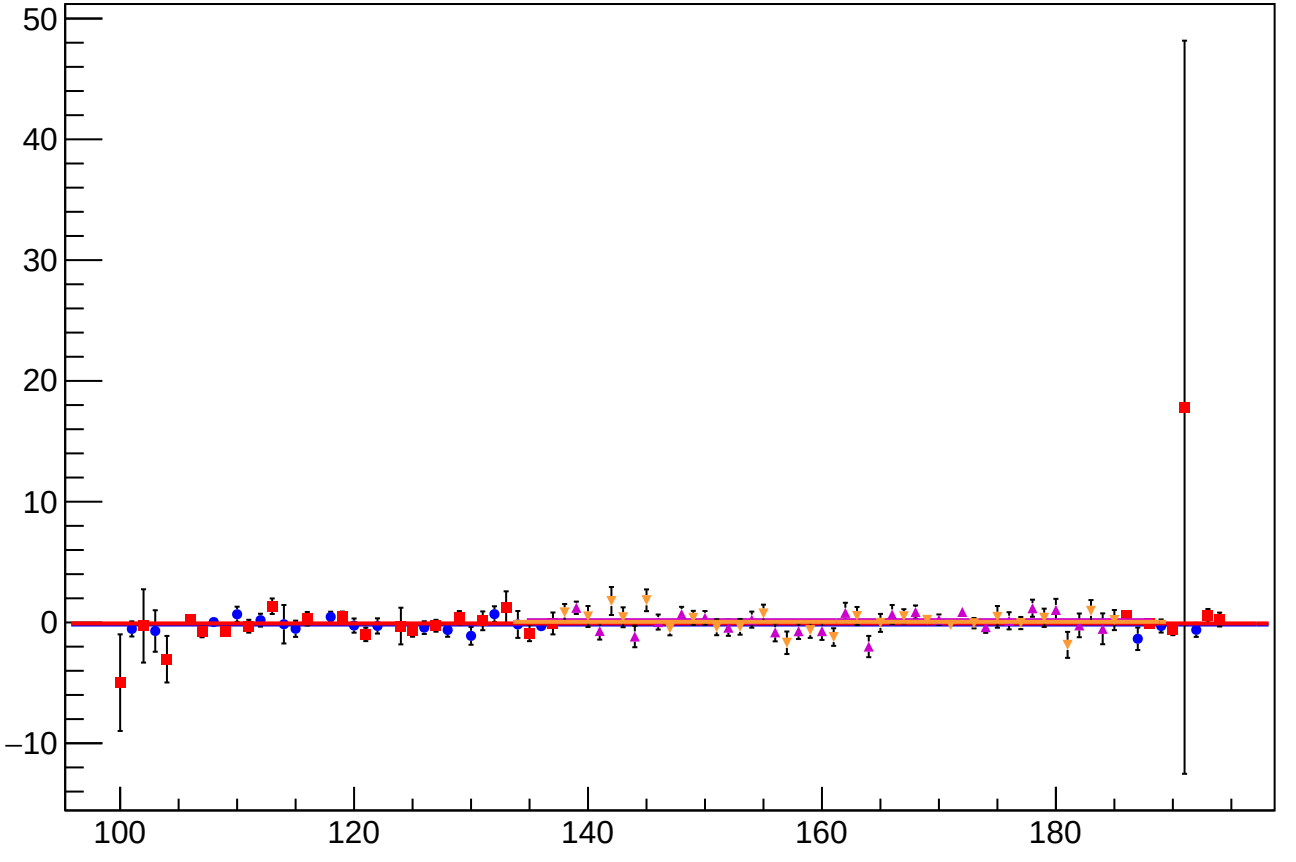
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4048868.7/43

All: 0.000+/-0.000 χ^2/NDF: 9872922.3/91

- sign 0.000+/-0.000 χ^2/NDF: 5824027.9/47

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: -0.077+/-0.104 χ^2/NDF: 30.8/24

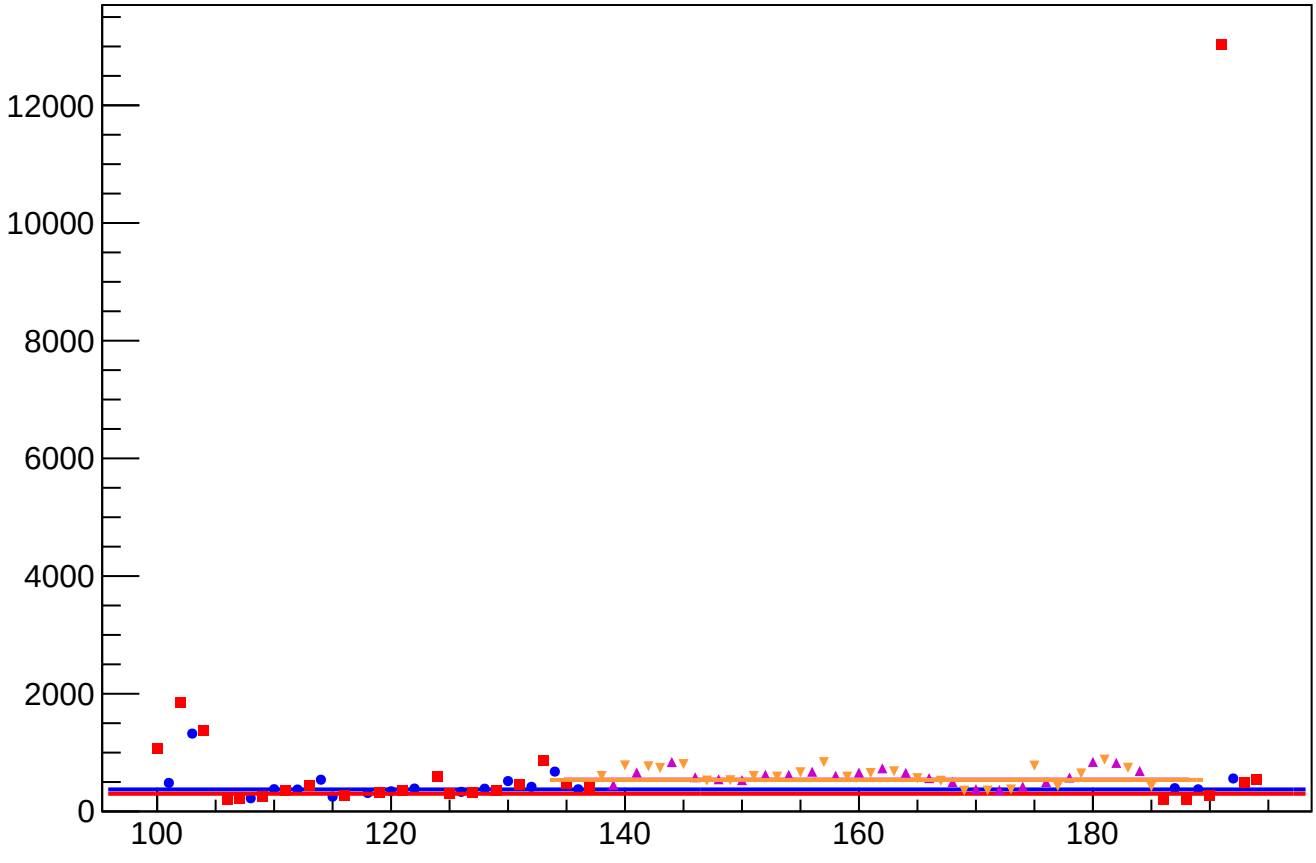
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.053+/-0.093 χ^2/NDF: 38.2/43

All: -0.010+/-0.062 χ^2/NDF: 103.1/91

- sign 0.024+/-0.082 χ^2/NDF: 64.5/47

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: 300.510+/-0.074 χ^2/NDF: 3854372.3/24

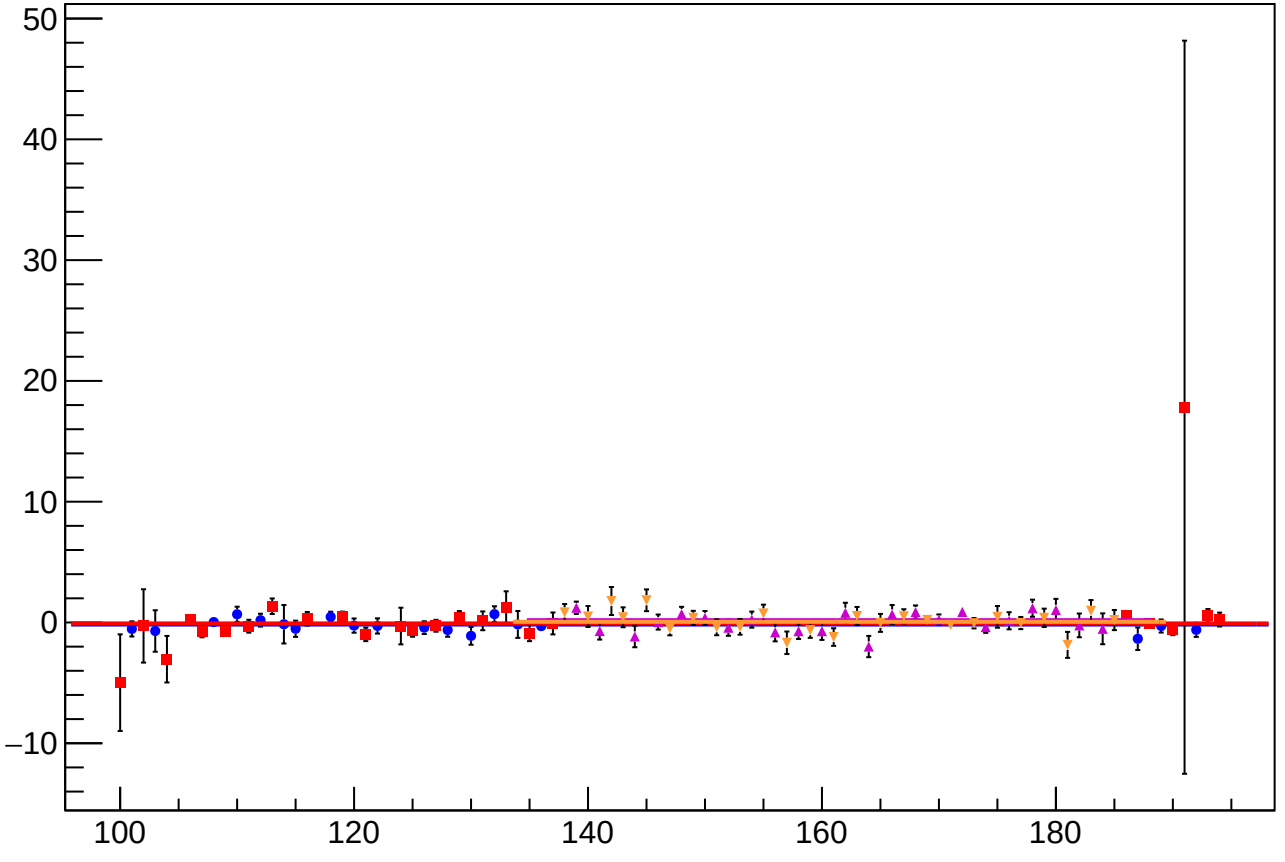
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 458.141+/-0.066 χ^2/NDF: 5846509.5/43

All: 420.585+/-0.044 χ^2/NDF: 16225549.6/91

- sign 391.599+/-0.058 χ^2/NDF: 9804910.0/47

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: -0.077+/-0.104 χ^2/NDF: 30.8/24

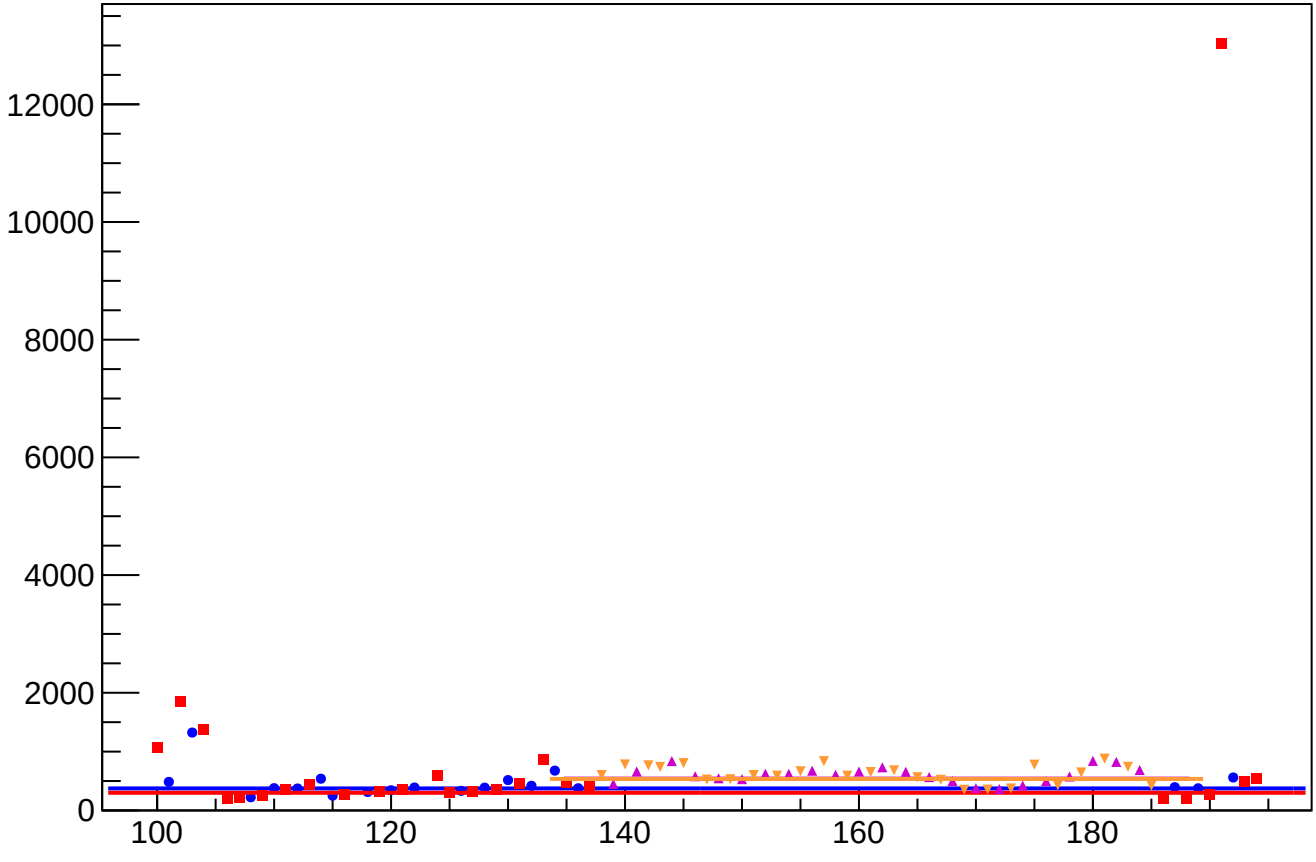
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.053+/-0.093 χ^2/NDF: 38.2/43

All: -0.010+/-0.062 χ^2/NDF: 103.1/91

- sign 0.024+/-0.082 χ^2/NDF: 64.5/47

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: 300.510+/-0.074 χ^2/NDF: 3854372.3/24

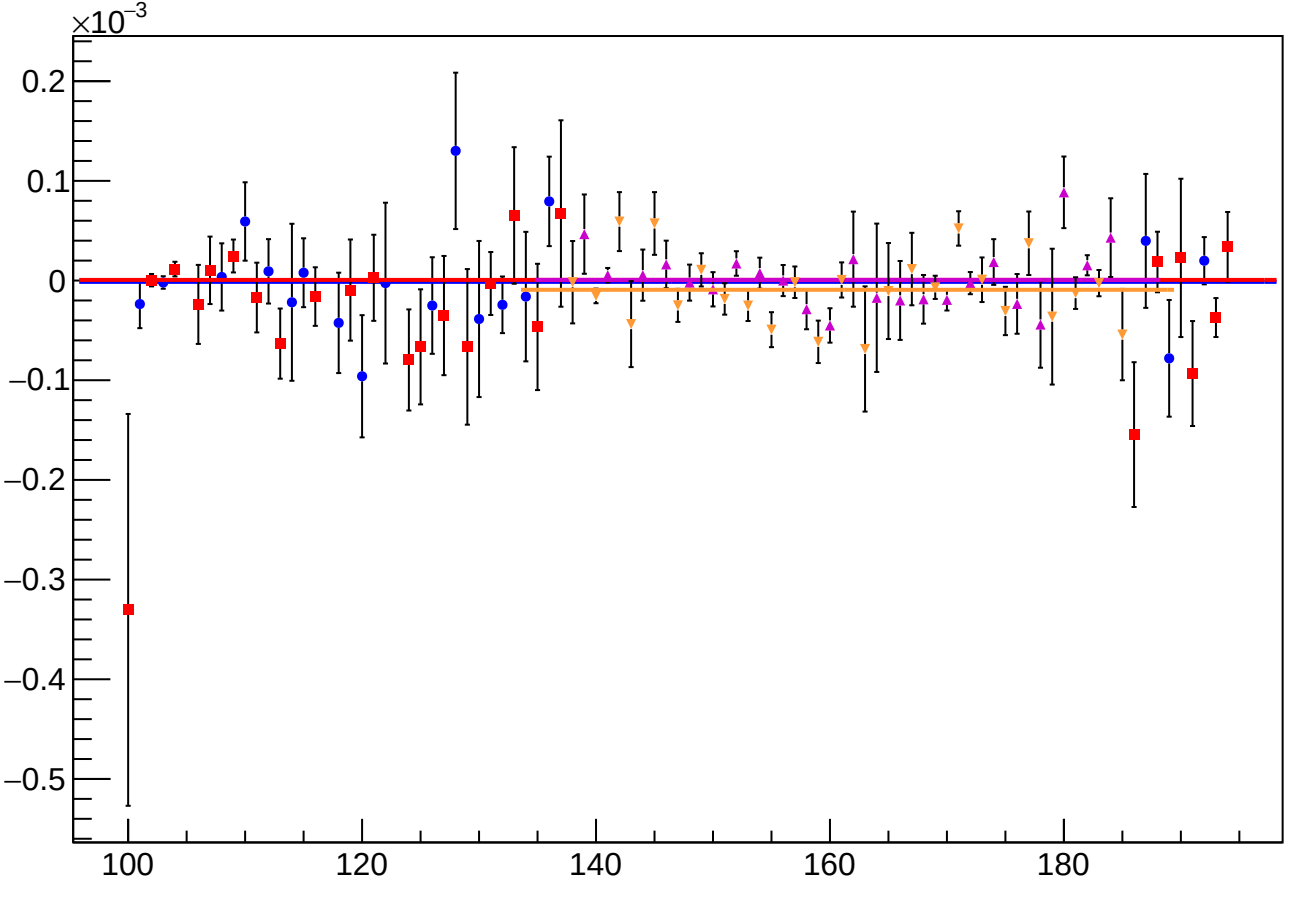
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 458.141+/-0.066 χ^2/NDF: 5846509.5/43

All: 420.585+/-0.044 χ^2/NDF: 16225549.6/91

- sign 391.599+/-0.058 χ^2/NDF: 9804910.0/47

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.3/24

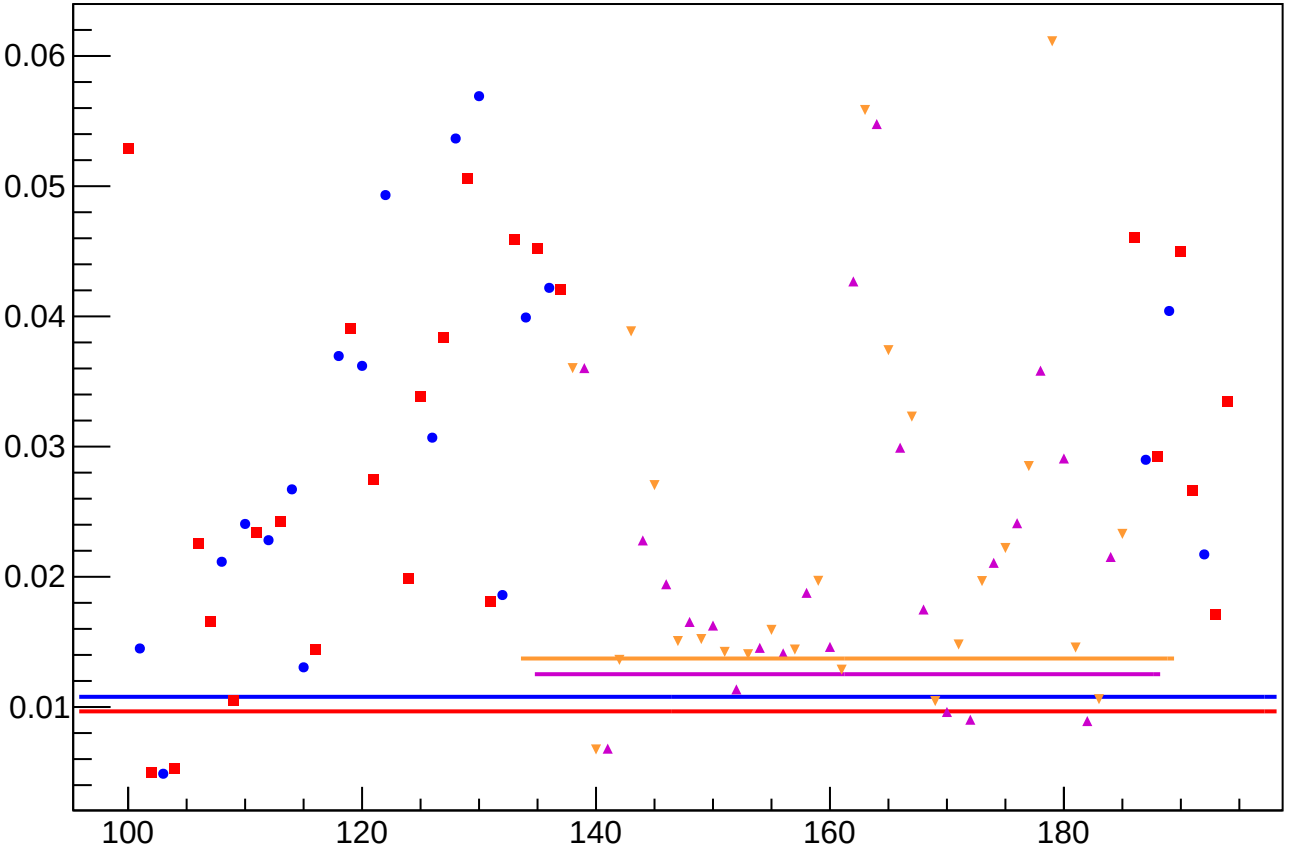
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.4/43

All: -0.000+/-0.000 χ^2/NDF: 128.1/91

- sign 0.000+/-0.000 χ^2/NDF: 61.3/47

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: 0.010+/-0.000 χ^2/NDF: 10122600.0/24

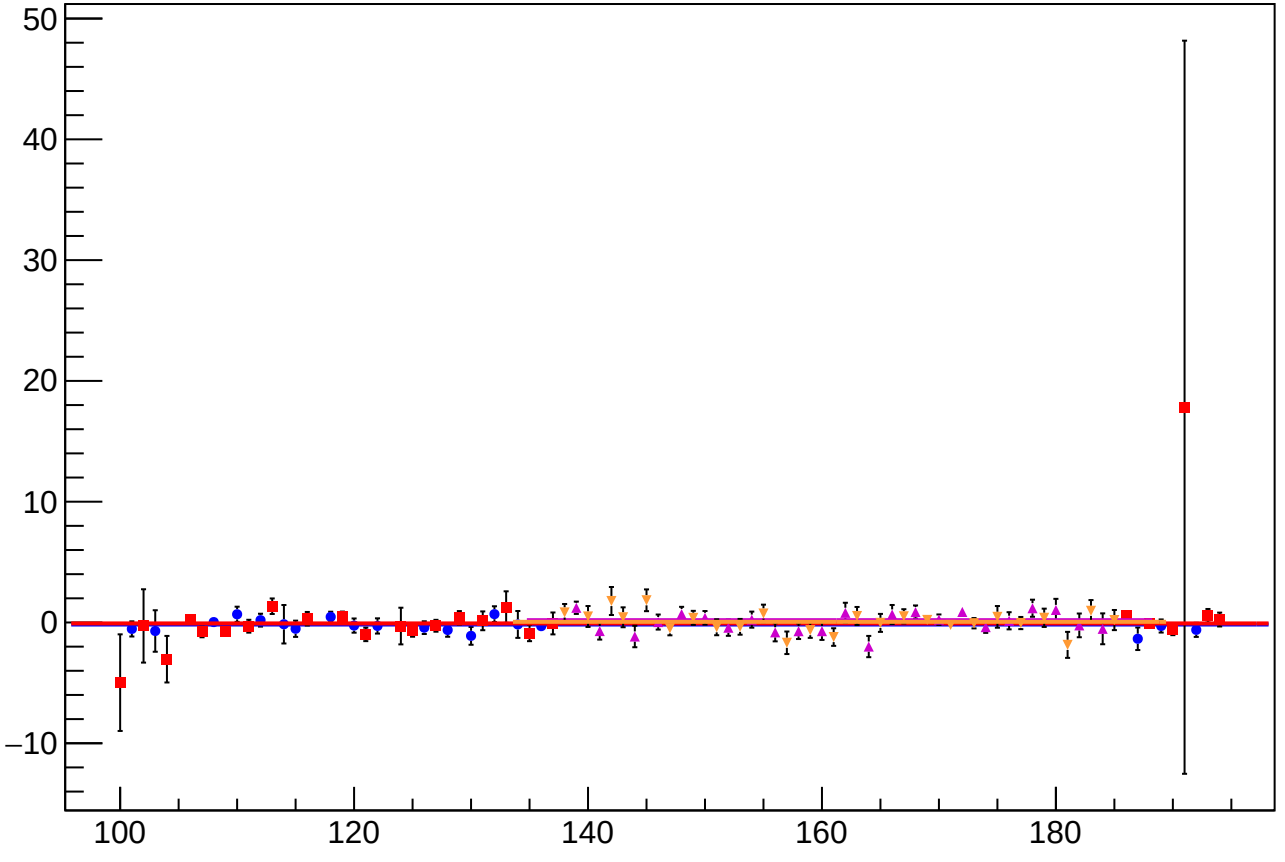
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 16344072.8/43

All: 0.012+/-0.000 χ^2/NDF: 34439286.9/91

- sign 0.011+/-0.000 χ^2/NDF: 17823248.1/47

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: -0.077+/-0.104 χ^2/NDF: 30.8/24

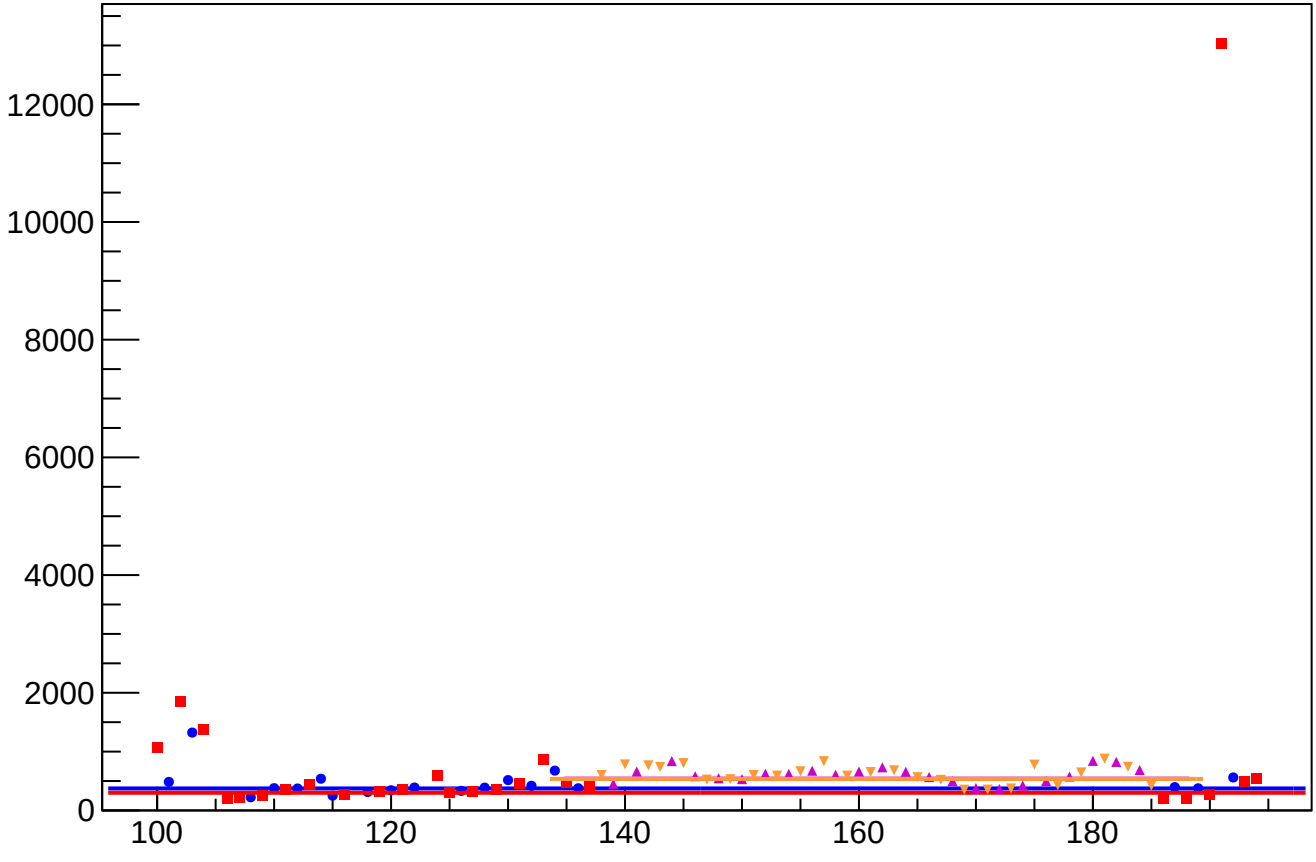
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.053+/-0.093 χ^2/NDF: 38.2/43

All: -0.010+/-0.062 χ^2/NDF: 103.1/91

- sign 0.024+/-0.082 χ^2/NDF: 64.5/47

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: 300.510+/-0.074 χ^2/NDF: 3854314.4/24

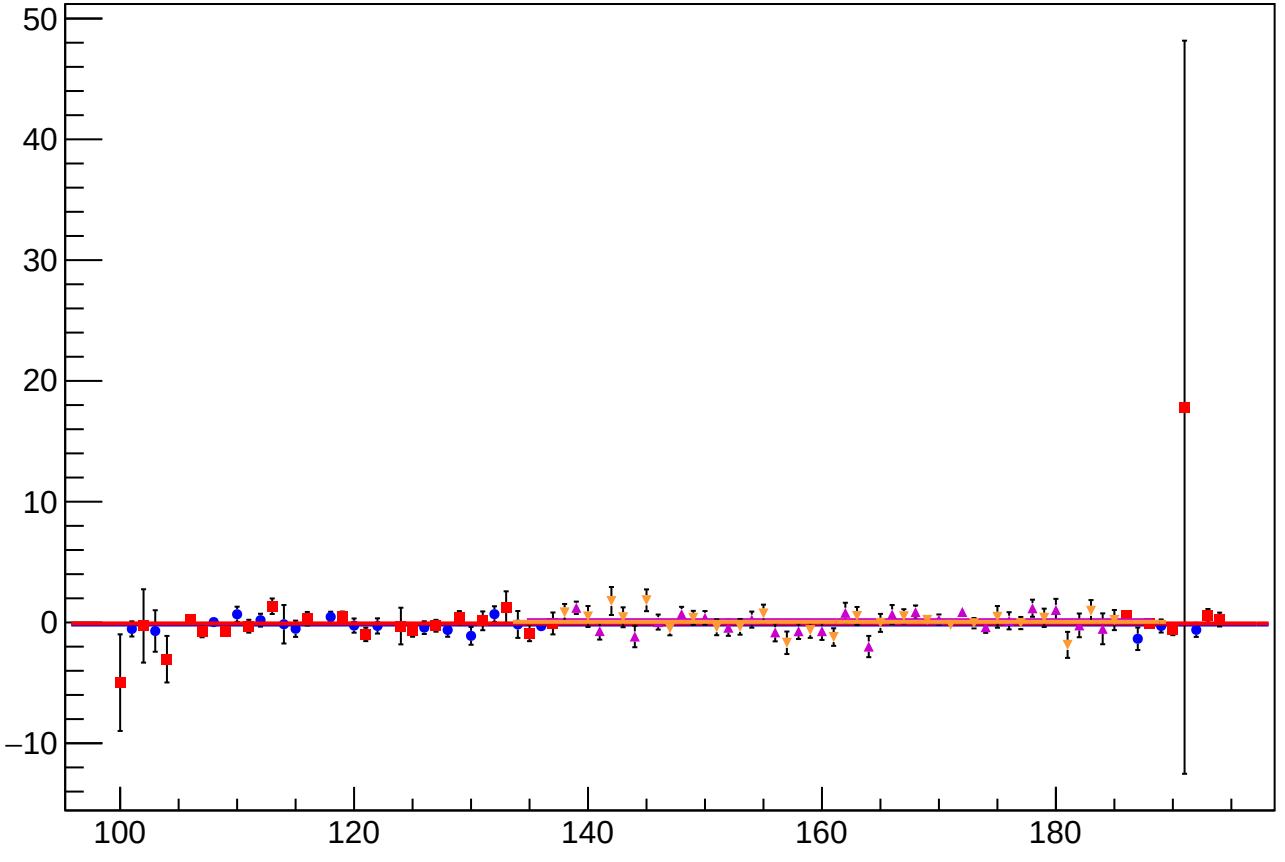
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 458.140+/-0.066 χ^2/NDF: 5846749.5/43

All: 420.585+/-0.044 χ^2/NDF: 16225863.7/91

- sign 391.600+/-0.058 χ^2/NDF: 9805014.1/47

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: -0.077+/-0.104 χ^2/NDF: 30.8/24

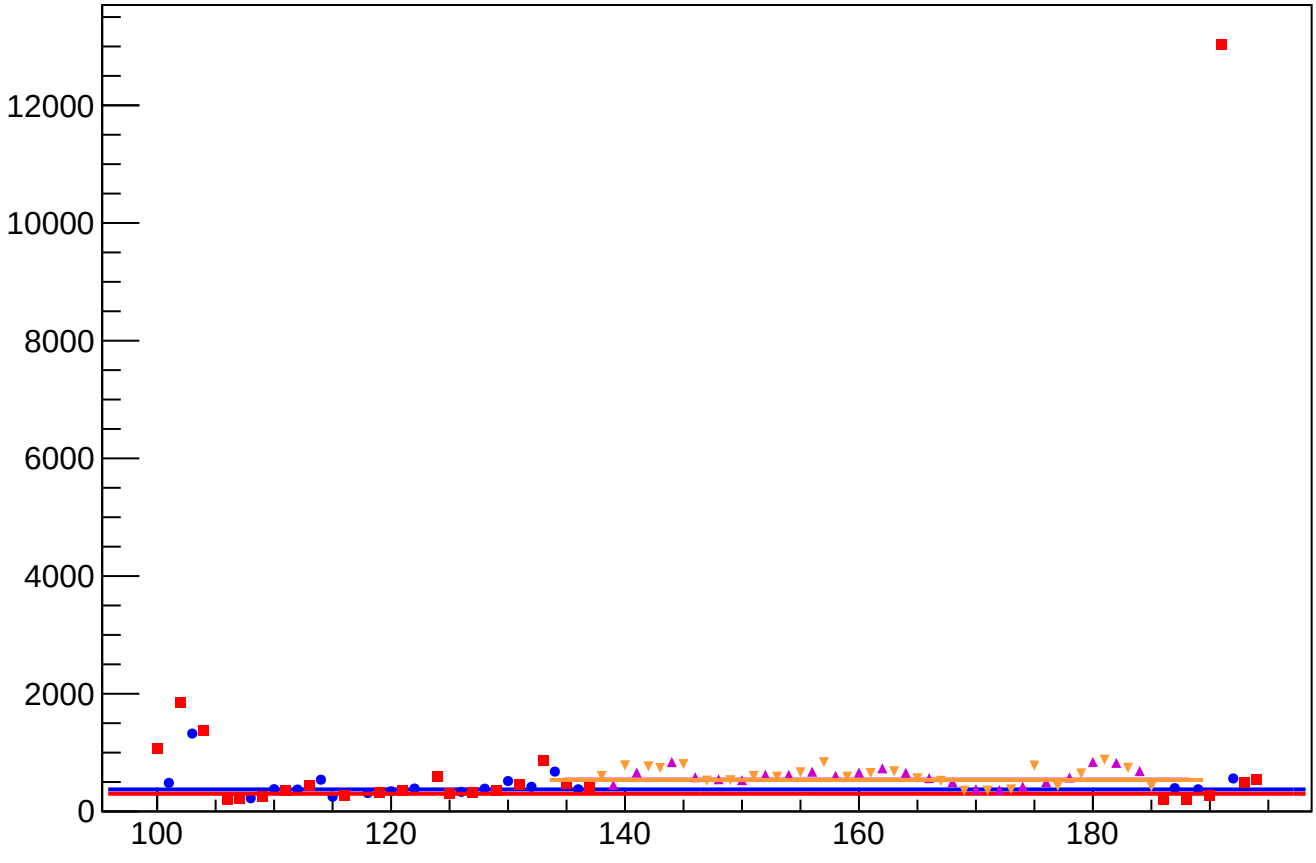
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.053+/-0.093 χ^2/NDF: 38.2/43

All: -0.010+/-0.062 χ^2/NDF: 103.1/91

- sign 0.024+/-0.082 χ^2/NDF: 64.5/47

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: 300.510+/-0.074 χ^2/NDF: 3854314.4/24

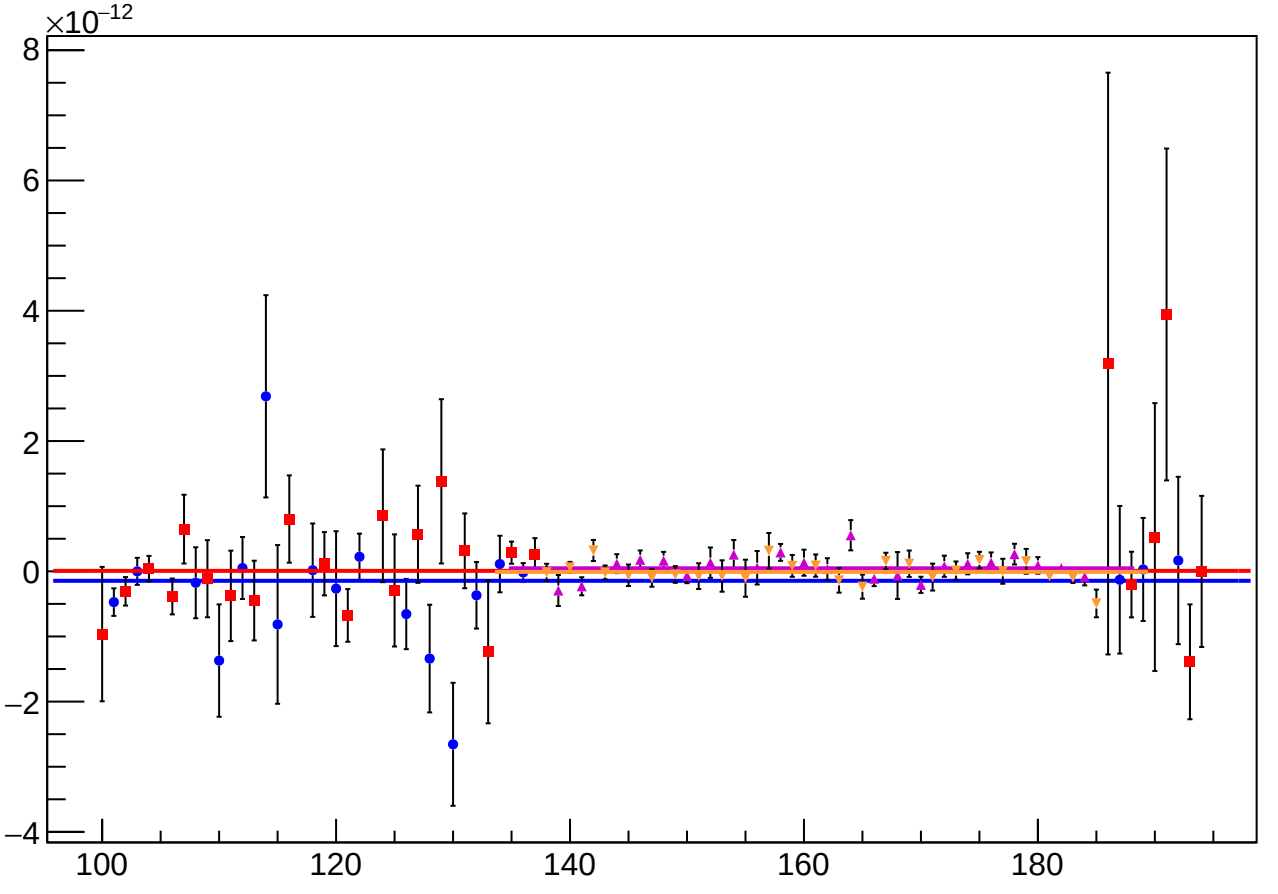
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 458.140+/-0.066 χ^2/NDF: 5846749.5/43

All: 420.585+/-0.044 χ^2/NDF: 16225863.7/91

- sign 391.600+/-0.058 χ^2/NDF: 9805014.1/47

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

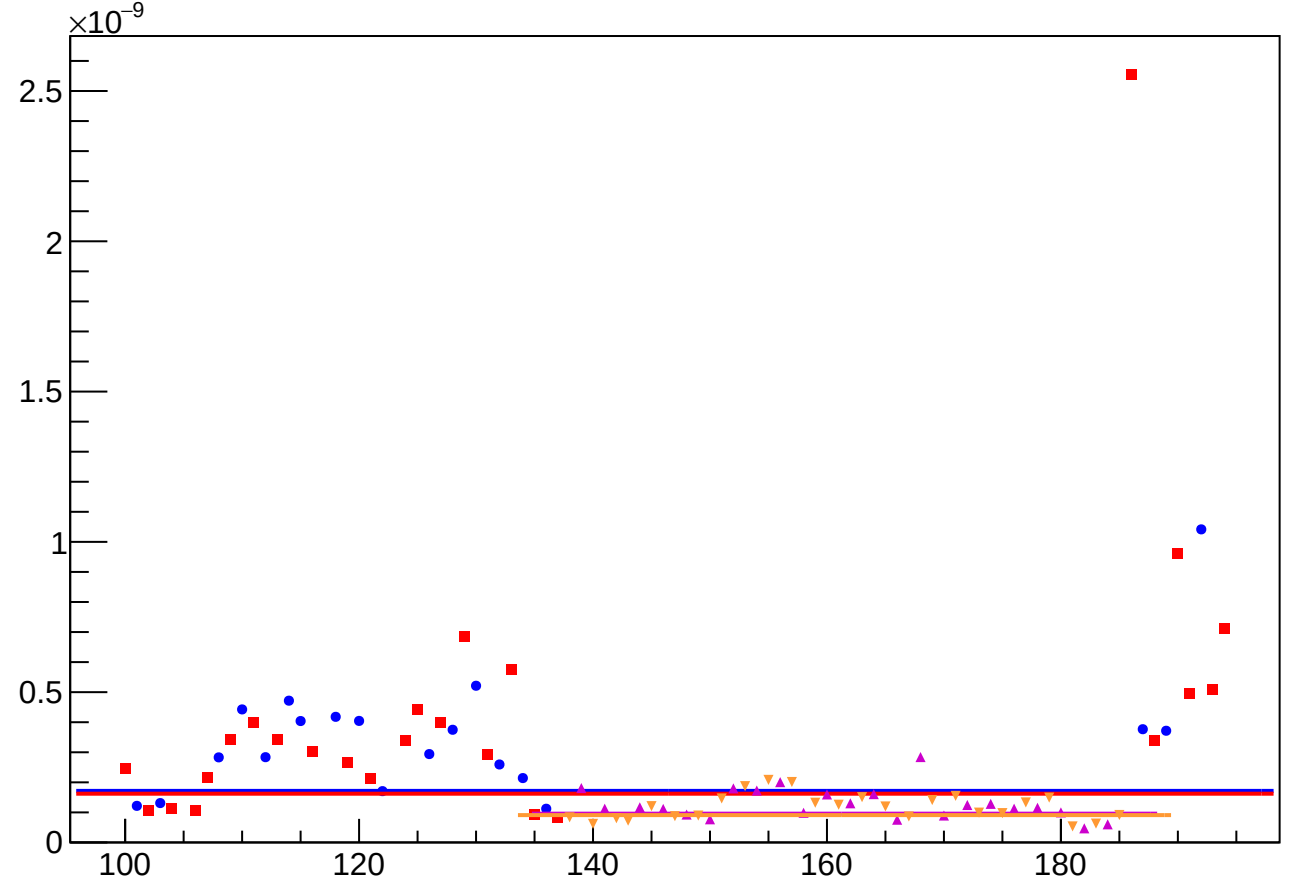
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/24

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: 102.0/91

- sign 0.000+/-0.000 χ^2/NDF: 53.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 3137849.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4810978.1/24

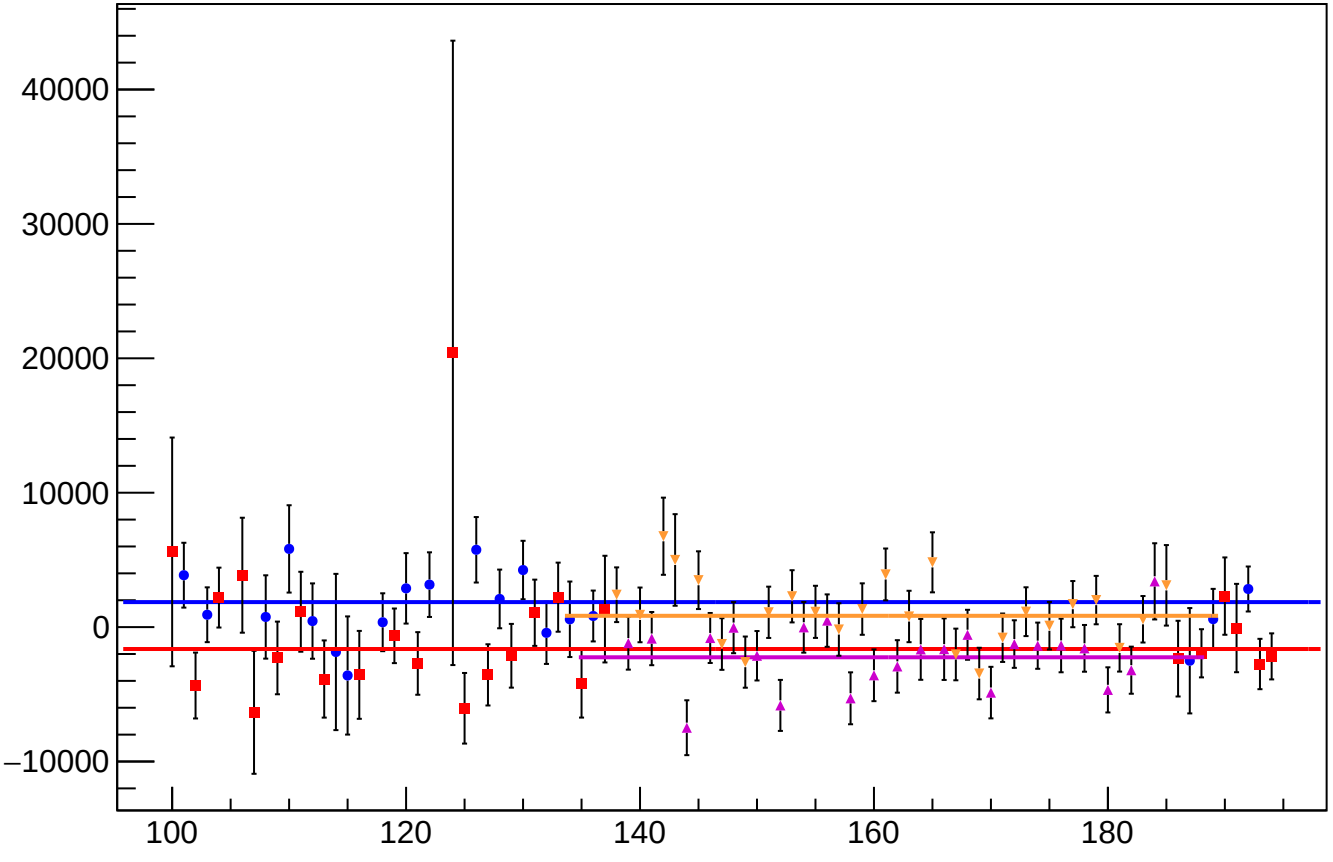
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8087283.4/43

All: 0.000+/-0.000 χ^2/NDF: 18007896.5/91

- sign 0.000+/-0.000 χ^2/NDF: 9888272.1/47

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: -1628.951+/-519.791 χ^2/NDF: 22.1/24

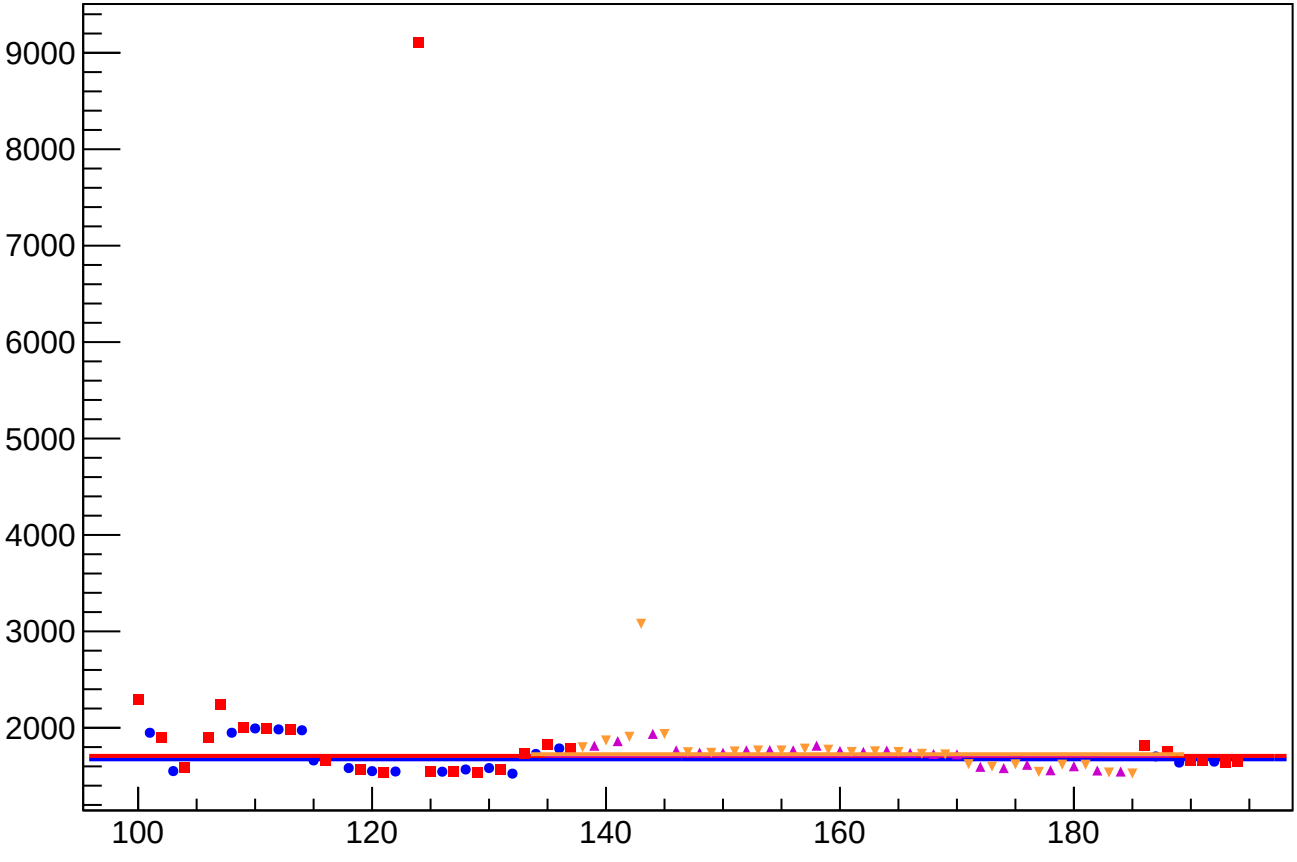
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1177.404+/-323.027 χ^2/NDF: 45.4/43

All: -447.143+/-226.391 χ^2/NDF: 147.4/91

- sign -2015.354+/-317.377 χ^2/NDF: 52.3/47

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: 1708.712+/-0.366 χ^2/NDF: 393735.1/24

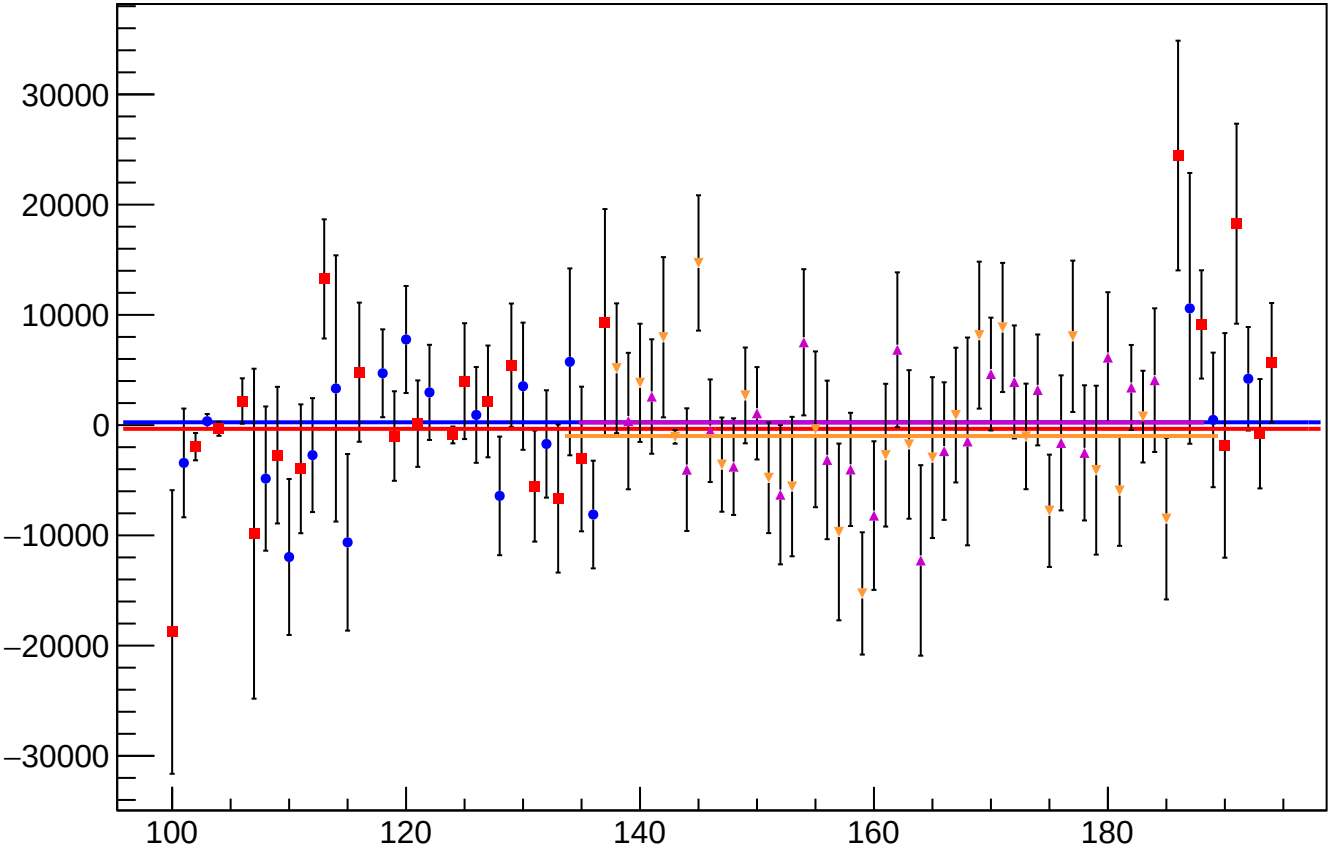
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1708.691+/-0.228 χ^2/NDF: 609301.4/43

All: 1710.118+/-0.160 χ^2/NDF: 1132495.8/91

- sign 1711.493+/-0.224 χ^2/NDF: 523117.7/47

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: -337.209+/-419.251 χ^2/NDF: 33.6/24

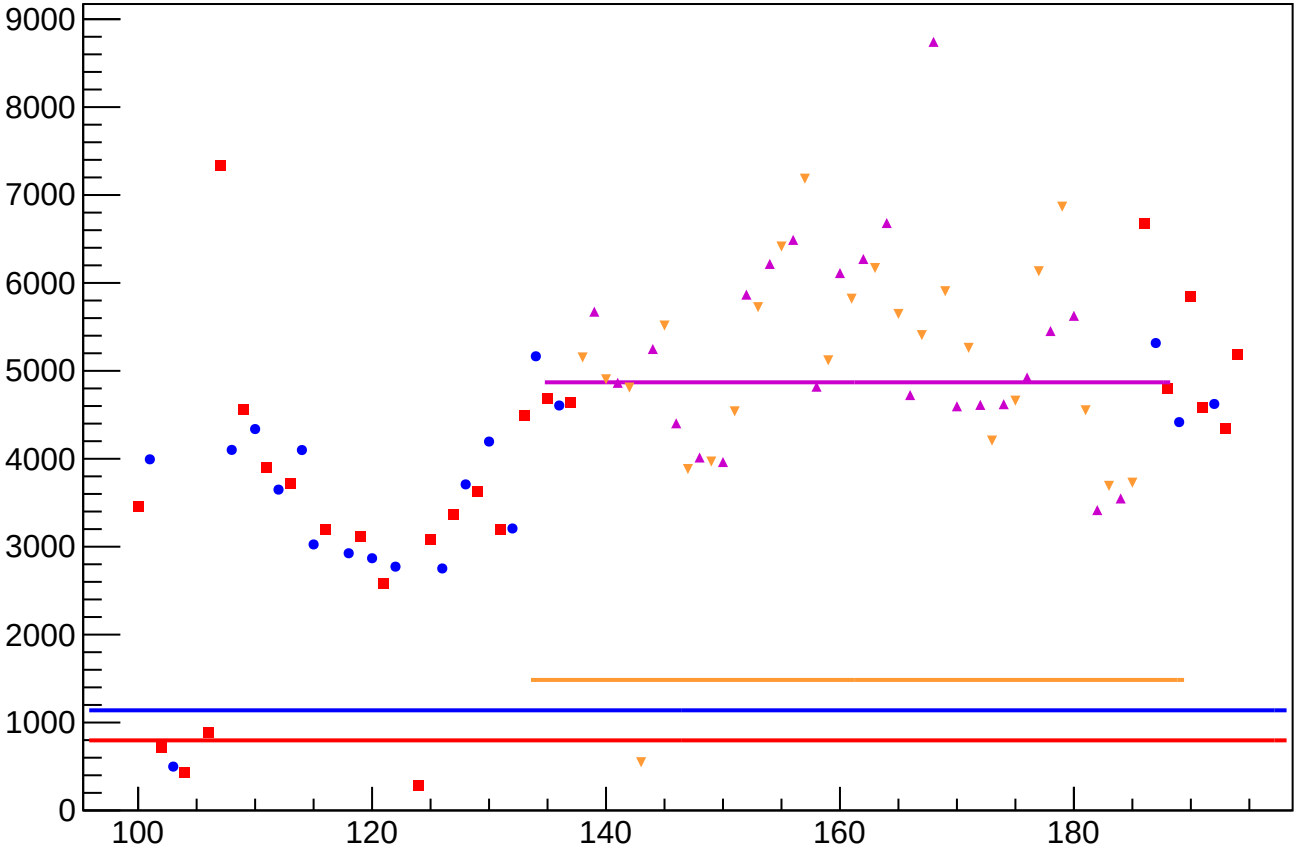
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -412.139+/-396.854 χ^2/NDF: 50.5/43

All: -341.187+/-279.777 χ^2/NDF: 97.9/91

- sign -271.080+/-394.486 χ^2/NDF: 47.3/47

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: 797.112+/-0.296 χ^2/NDF: 13903660.7/24

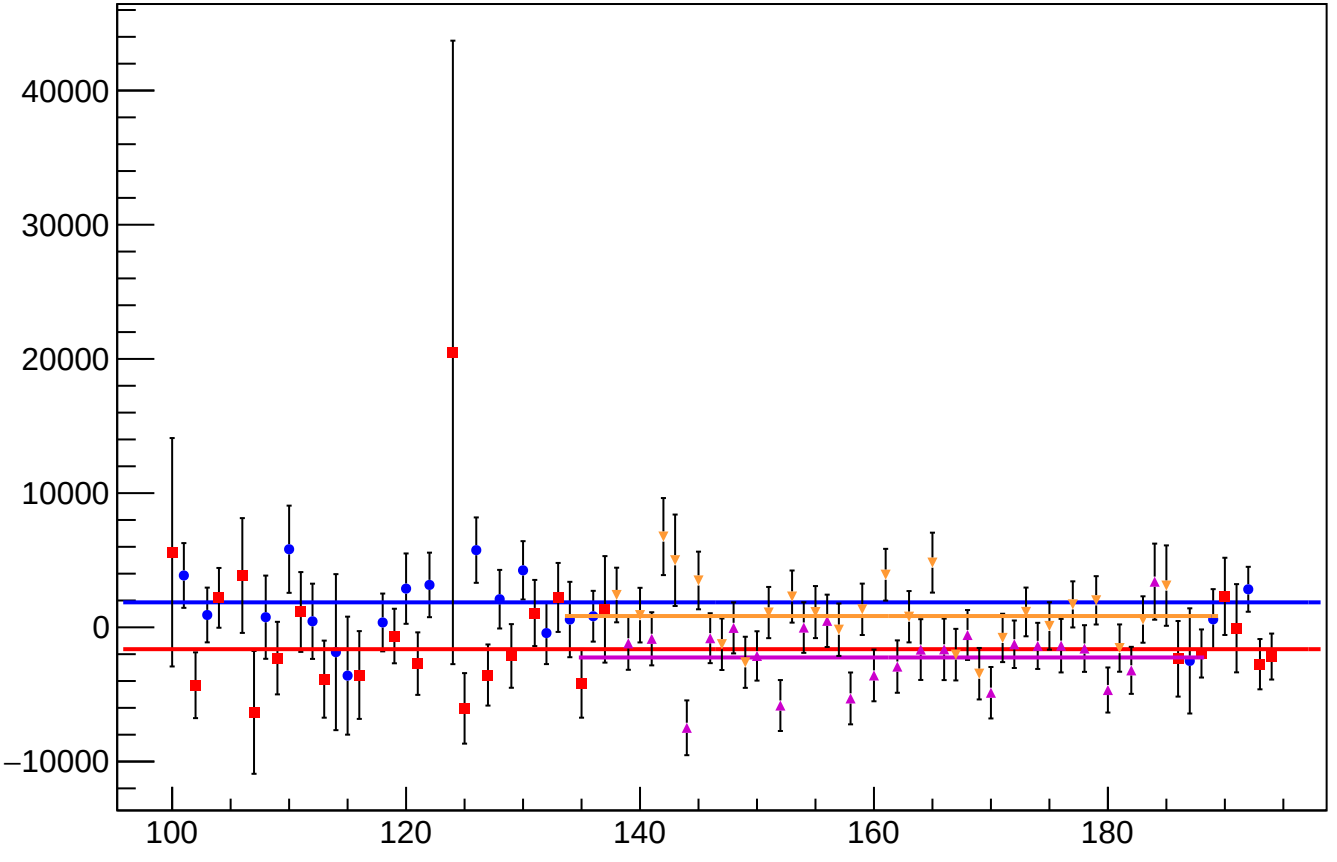
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1324.731+/-0.281 χ^2/NDF: 33675772.5/43

All: 1294.203+/-0.198 χ^2/NDF: 70714367.0/9

- sign 1264.038+/-0.279 χ^2/NDF: 37015065.2/47

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: -1627.308+/-519.793 χ^2/NDF: 22.0/24

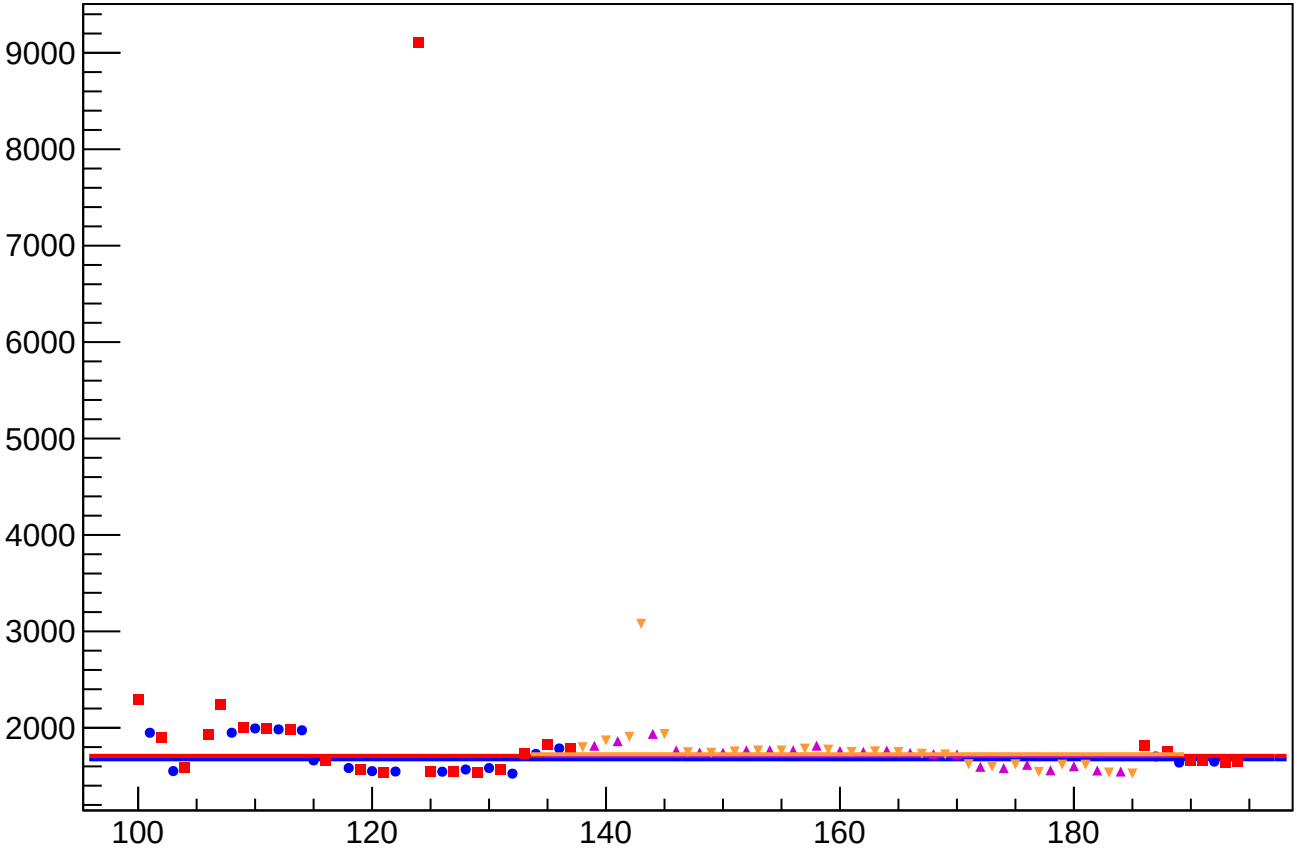
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1177.436+/-323.027 χ^2/NDF: 45.4/43

All: -446.819+/-226.391 χ^2/NDF: 147.4/91

- sign -2014.755+/-317.377 χ^2/NDF: 52.3/47

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: 1709.254+/-0.367 χ^2/NDF: 395557.2/24

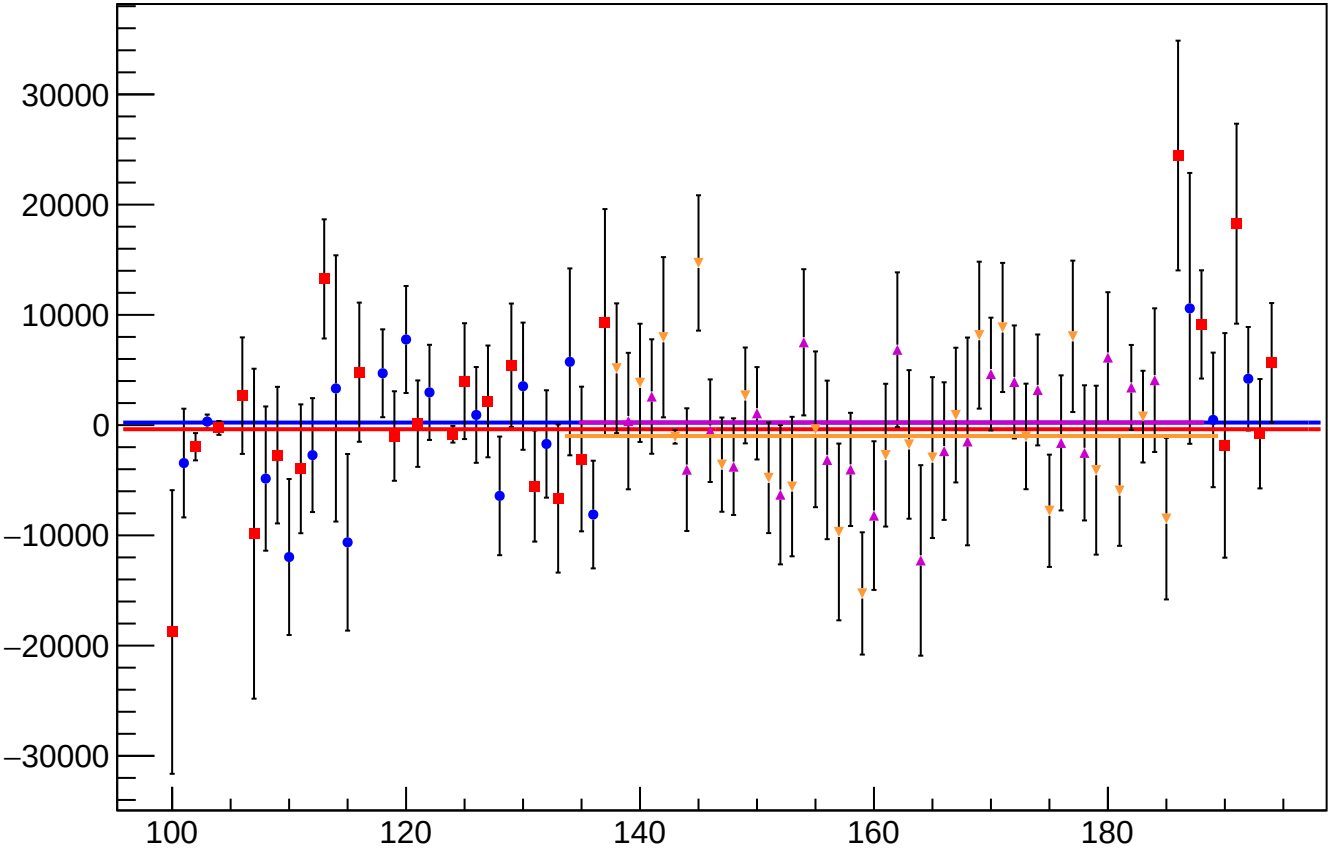
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1708.691+/-0.228 χ^2/NDF: 609301.5/43

All: 1710.221+/-0.160 χ^2/NDF: 1134308.4/91

- sign 1711.696+/-0.224 χ^2/NDF: 524918.7/47

asym_atl_avg_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: -371.551+/-424.862 χ^2/NDF: 32.3/24

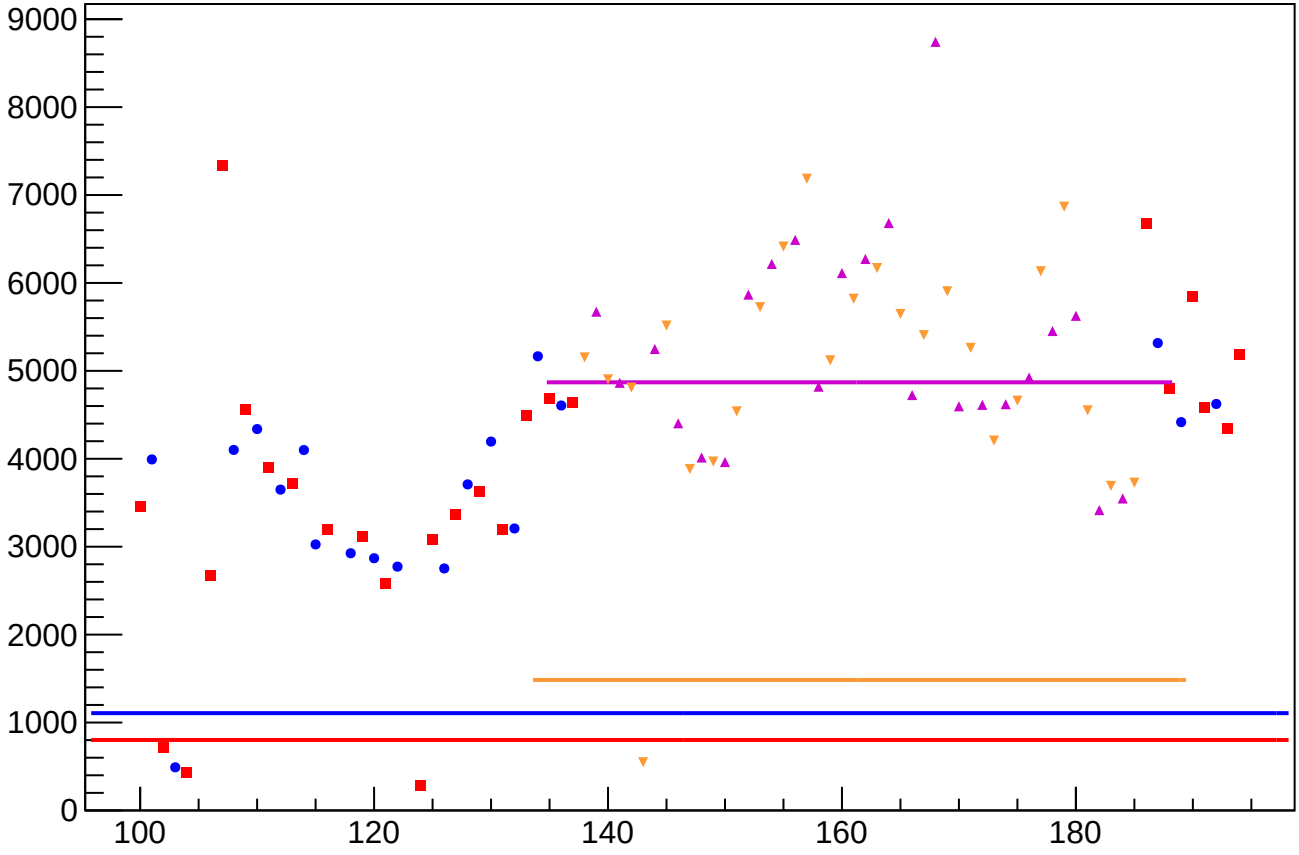
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -411.037+/-393.085 χ^2/NDF: 50.5/43

All: -356.285+/-280.072 χ^2/NDF: 96.6/91

- sign -299.830+/-399.149 χ^2/NDF: 46.1/47

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: 801.749+/-0.300 χ^2/NDF: 14174606.5/24

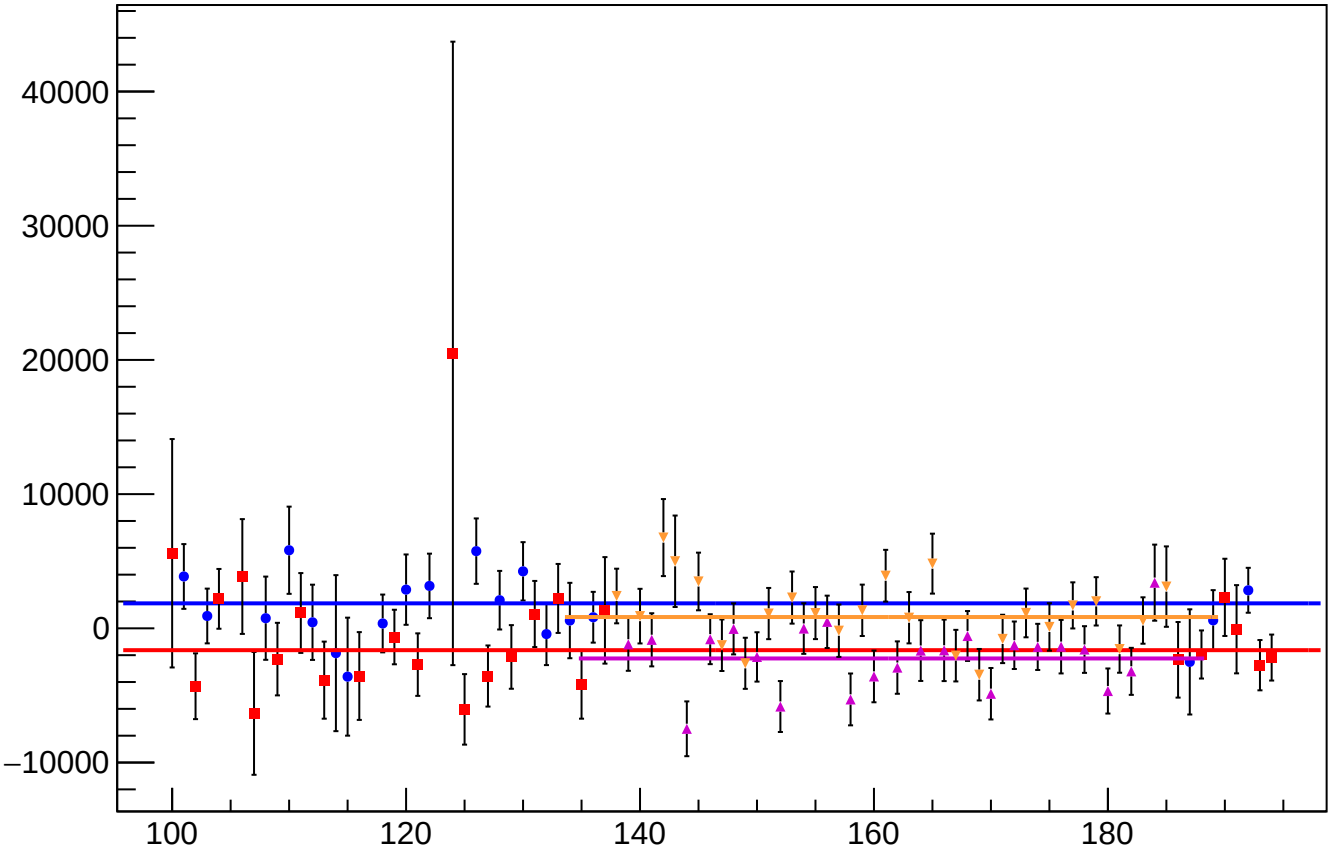
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1306.022+/-0.278 χ^2/NDF: 33904609.1/43

All: 1292.834+/-0.198 χ^2/NDF: 71079455.8/9

- sign 1279.235+/-0.282 χ^2/NDF: 37170274.1/47

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: -1627.308+/-519.793 χ^2/NDF: 22.0/24

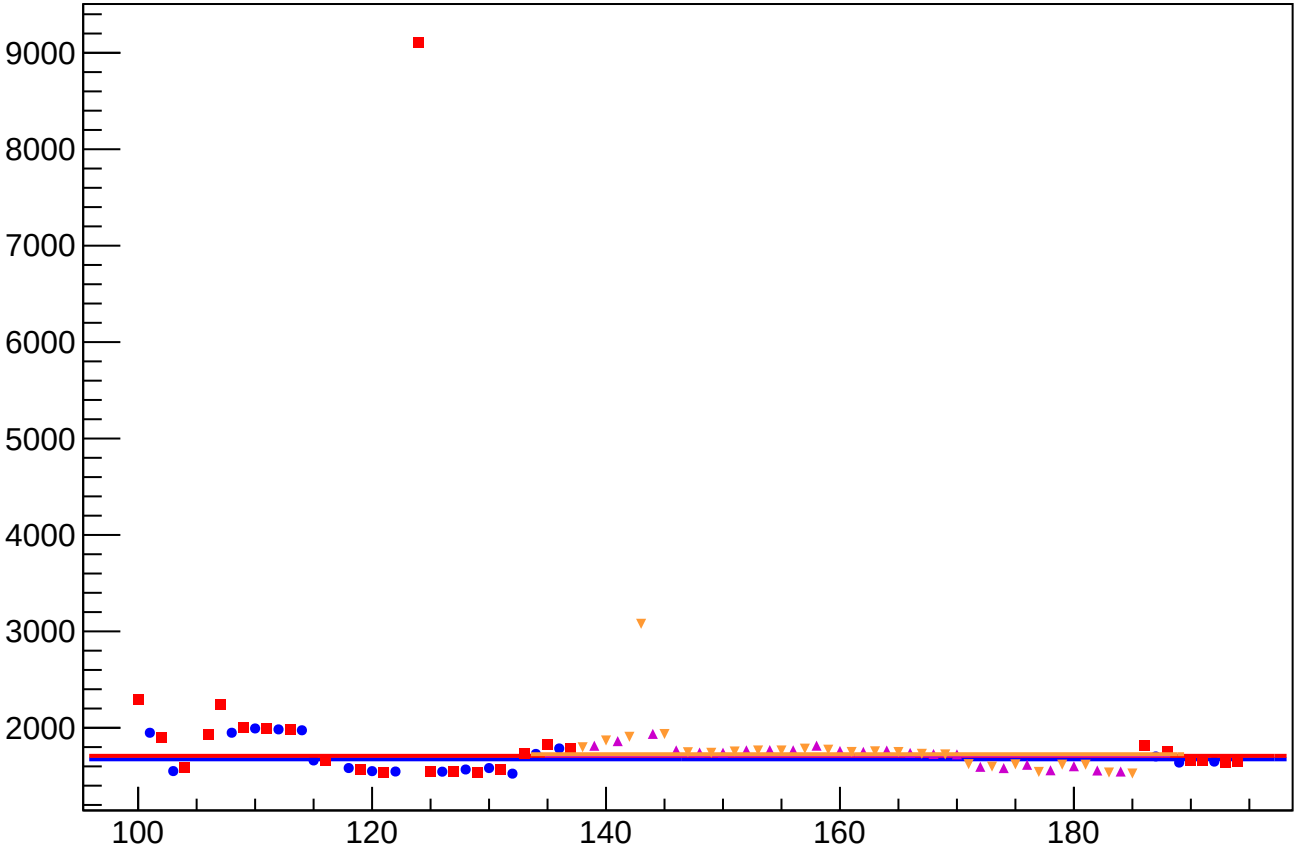
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1177.436+/-323.027 χ^2/NDF: 45.4/43

All: -446.819+/-226.391 χ^2/NDF: 147.4/91

- sign -2014.755+/-317.377 χ^2/NDF: 52.3/47

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: 1709.254+/-0.367 χ^2/NDF: 395557.2/24

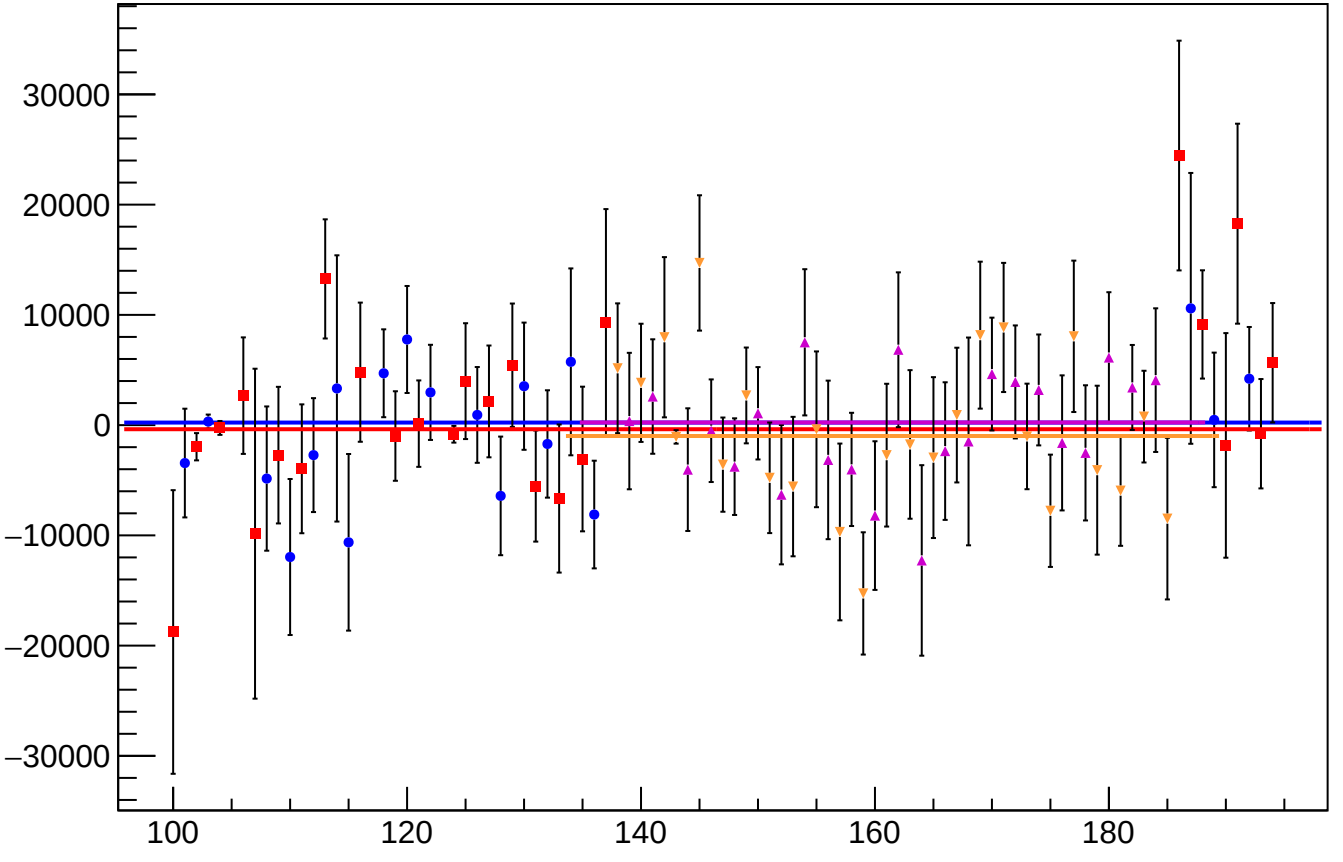
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1708.691+/-0.228 χ^2/NDF: 609301.5/43

All: 1710.221+/-0.160 χ^2/NDF: 1134308.4/91

- sign 1711.696+/-0.224 χ^2/NDF: 524918.7/47

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: -371.551+/-424.862 χ^2/NDF: 32.3/24

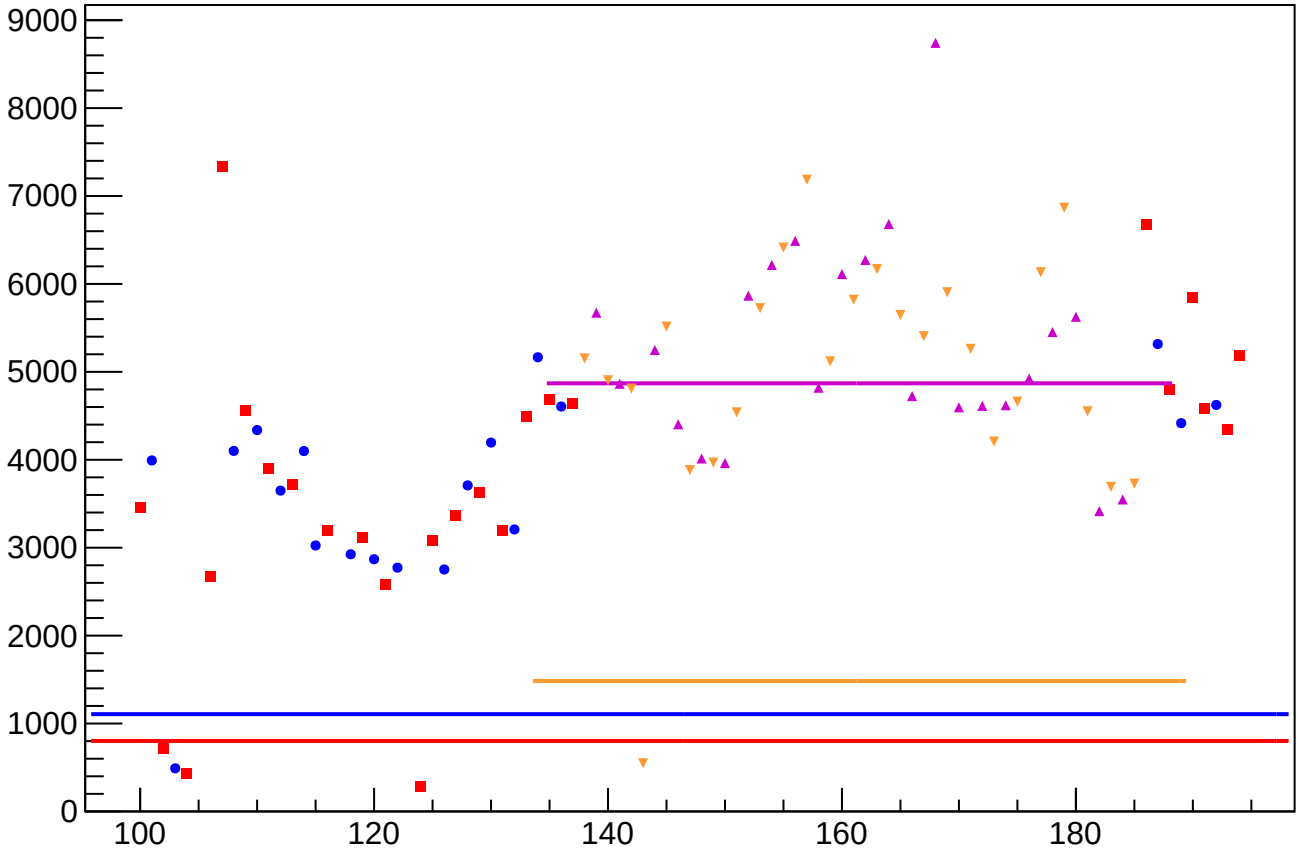
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -411.037+/-393.085 χ^2/NDF: 50.5/43

All: -356.285+/-280.072 χ^2/NDF: 96.6/91

\- sign -299.830+/-399.149 χ^2/NDF: 46.1/47

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

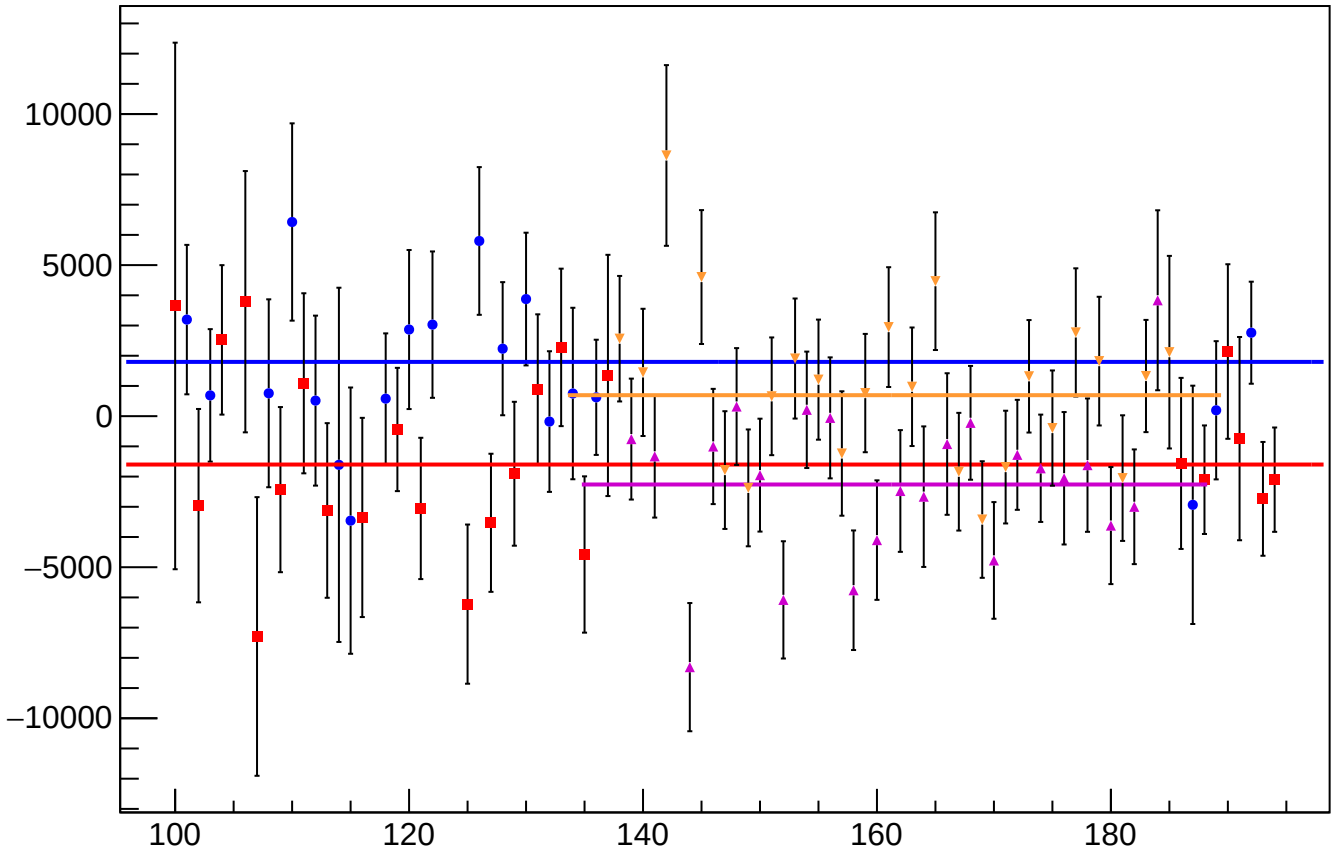
Right Out: 801.749+/-0.300 χ^2/NDF: 14174606.5/24

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1306.022+/-0.278 χ^2/NDF: 33904609.1/43

All: 1292.834+/-0.198 χ^2/NDF: 71079455.8/9

- sign 1279.235+/-0.282 χ^2/NDF: 37170274.1/47



Right In: 1796.237+/-570.285 χ^2/NDF: 12.5/18

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1601.269+/-530.871 χ^2/NDF: 19.7/23

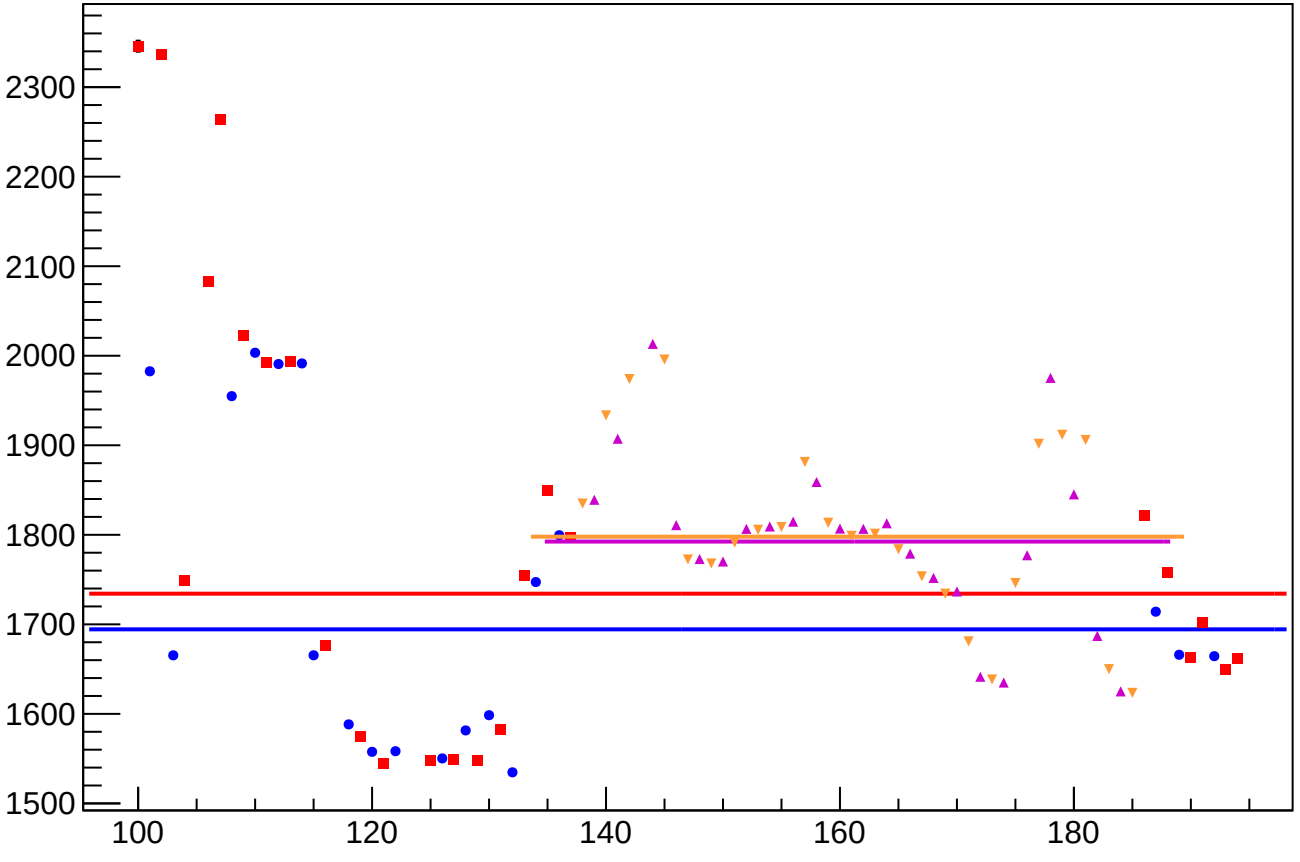
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1079.481+/-337.163 χ^2/NDF: 47.2/42

All: -502.218+/-235.465 χ^2/NDF: 141.2/89

- sign -2008.112+/-328.984 χ^2/NDF: 51.1/46

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

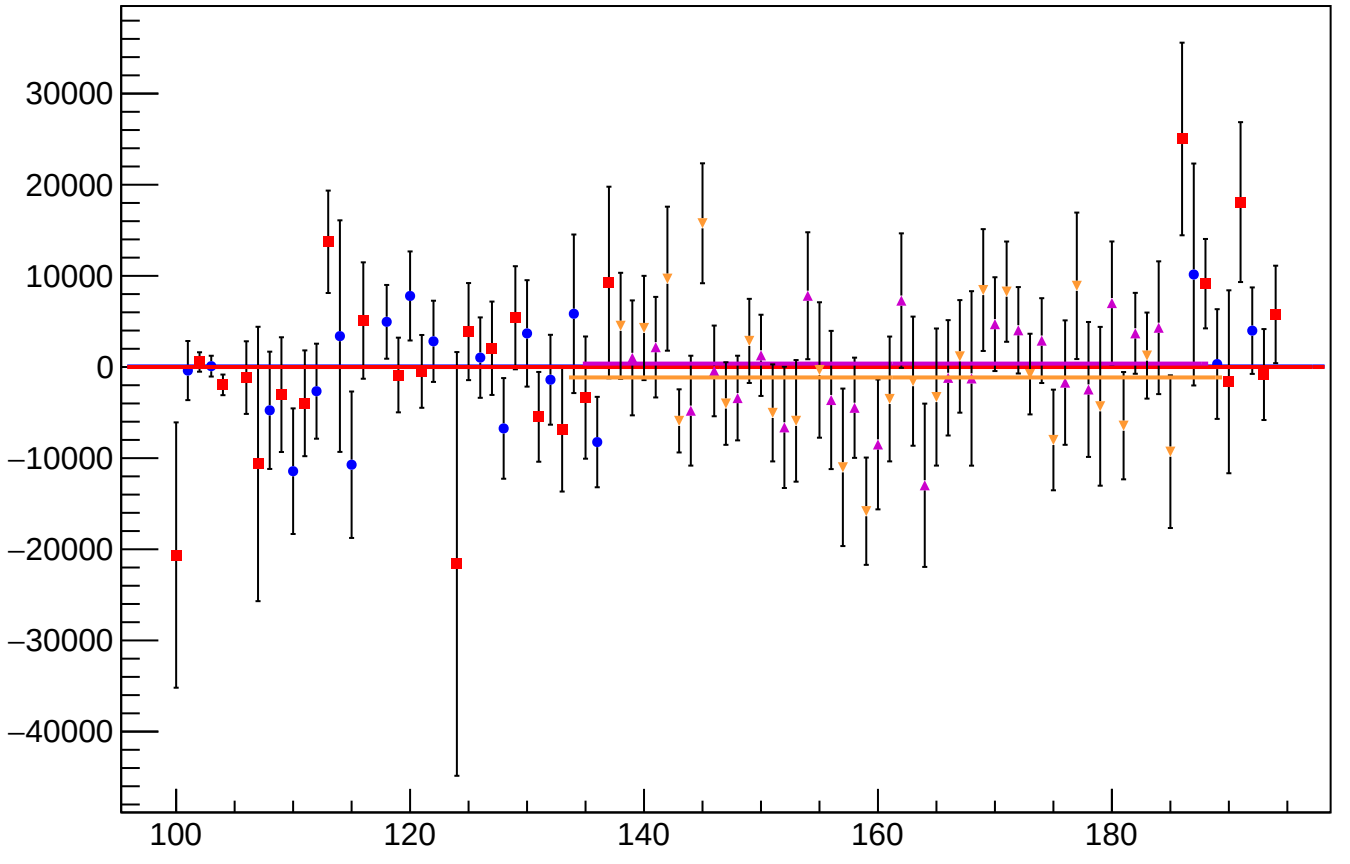
Right Out: 1734.260+/-0.375 χ^2/NDF: 260708.9/23

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1761.735+/-0.238 χ^2/NDF: 277426.0/42

All: 1766.003+/-0.166 χ^2/NDF: 646463.7/89

- sign 1770.063+/-0.232 χ^2/NDF: 368412.4/46



Right In: 62.529+/-843.007 χ^2/NDF: 16.5/18

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -1.935+/-657.019 χ^2/NDF: 33.5/24

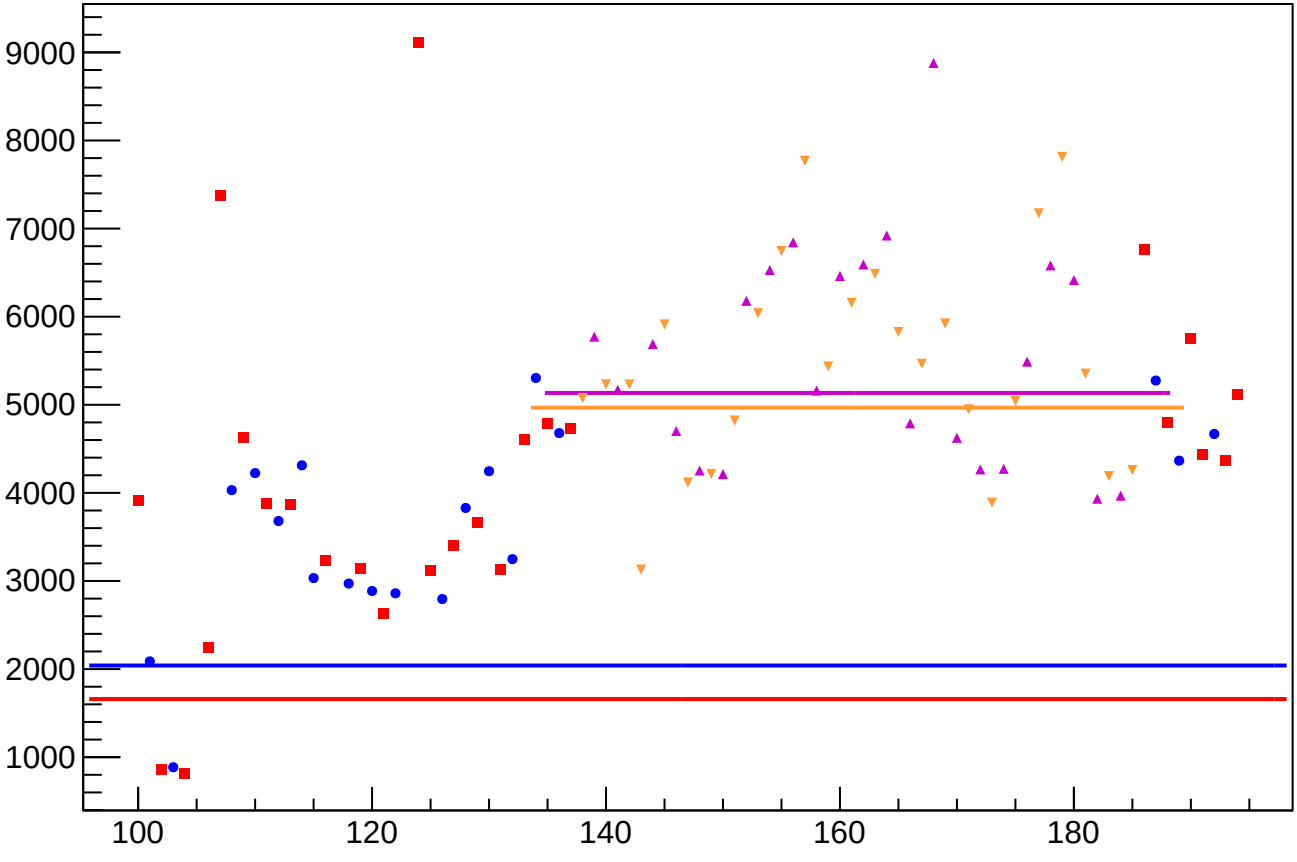
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

\+ sign -352.506+/-682.849 χ^2/NDF: 49.8/43

All: -99.956+/-441.788 χ^2/NDF: 96.9/91

\- sign 81.862+/-579.387 χ^2/NDF: 46.9/47

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: 1659.688+/-0.465 χ^2/NDF: 9423271.5/24

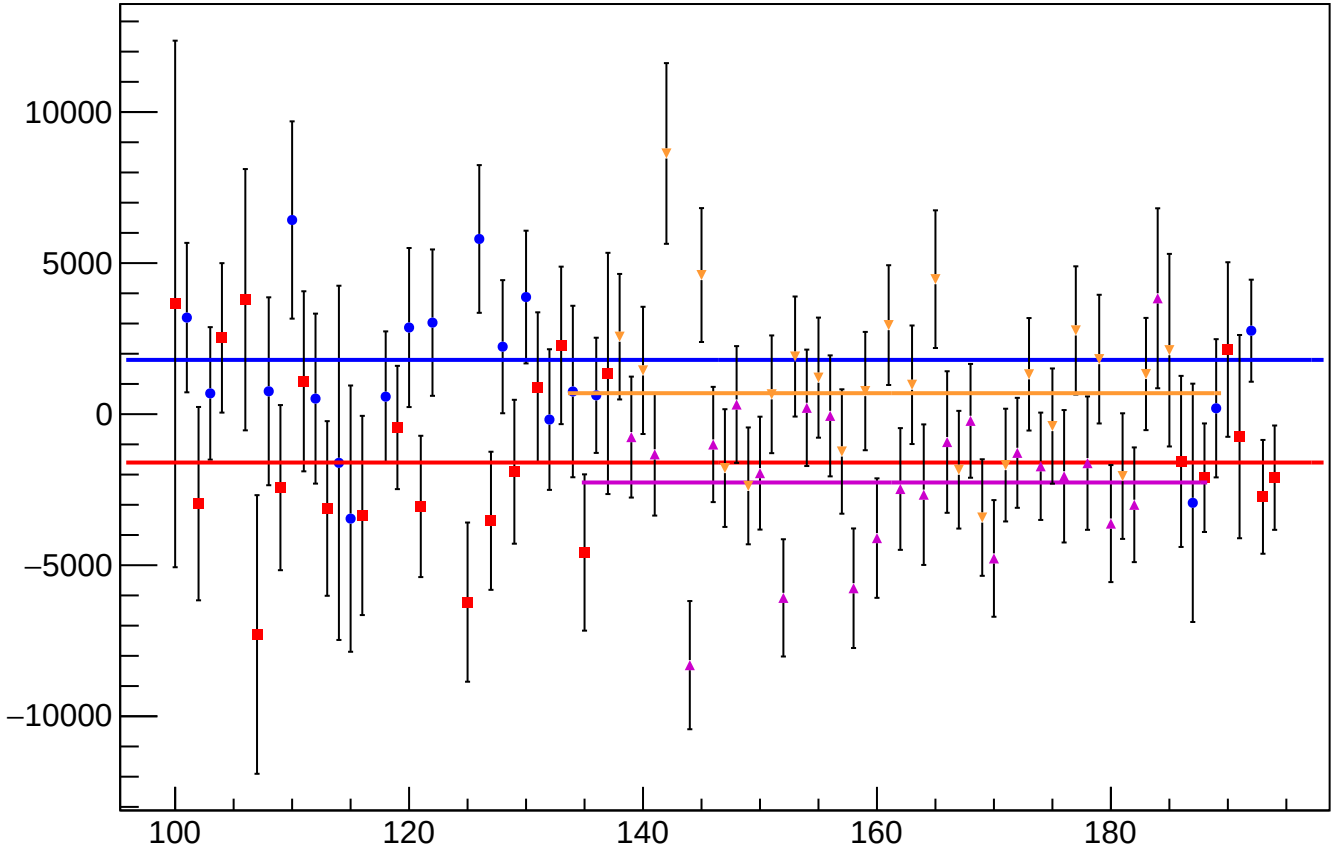
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3046.899+/-0.483 χ^2/NDF: 15745604.6/43

All: 2689.568+/-0.312 χ^2/NDF: 40036453.3/9

- sign 2432.315+/-0.410 χ^2/NDF: 23348886.3/47

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: -1601.266+/-530.871 χ^2/NDF: 19.7/23

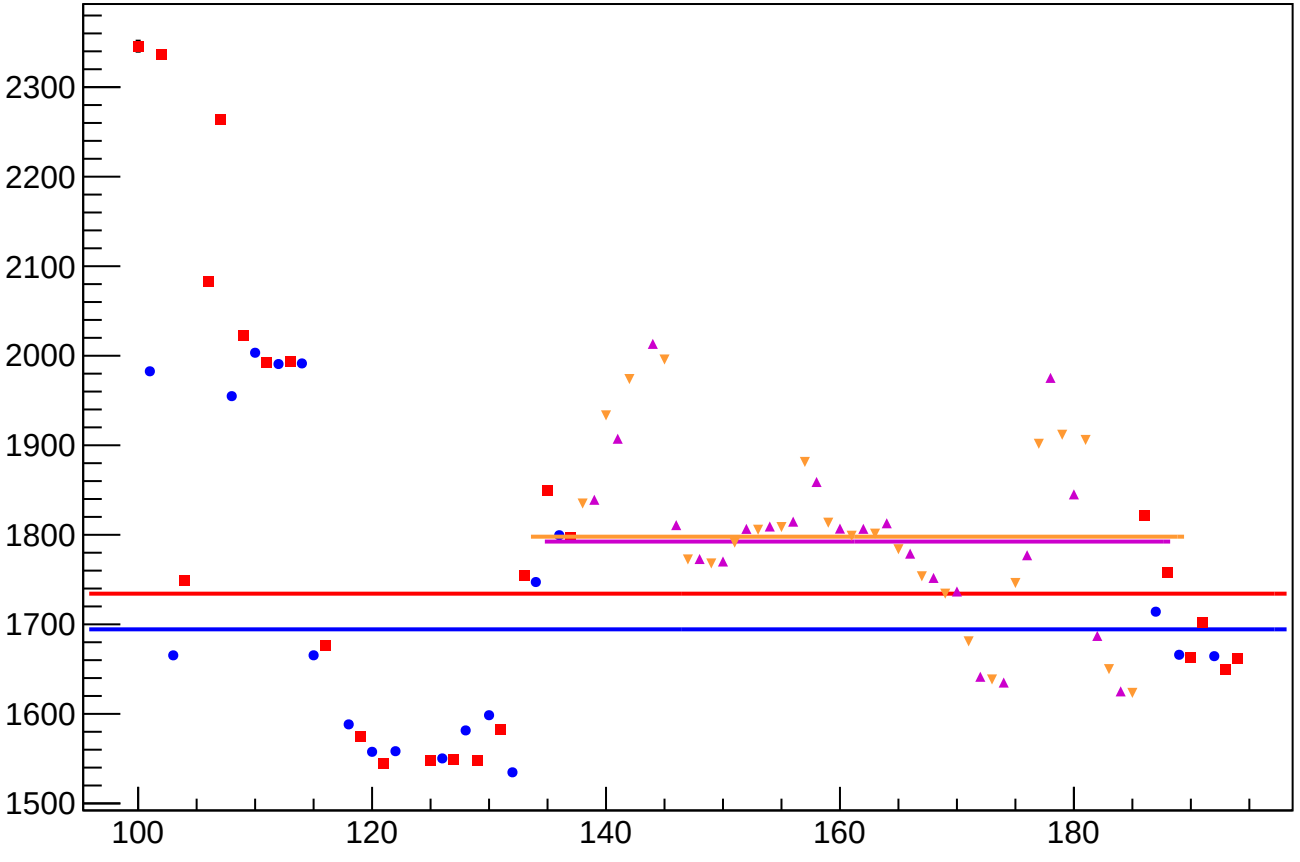
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1079.478+/-337.163 χ^2/NDF: 47.2/42

All: -502.218+/-235.465 χ^2/NDF: 141.2/89

- sign -2008.111+/-328.984 χ^2/NDF: 51.1/46

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: 1734.260+/-0.375 χ^2/NDF: 260708.2/23

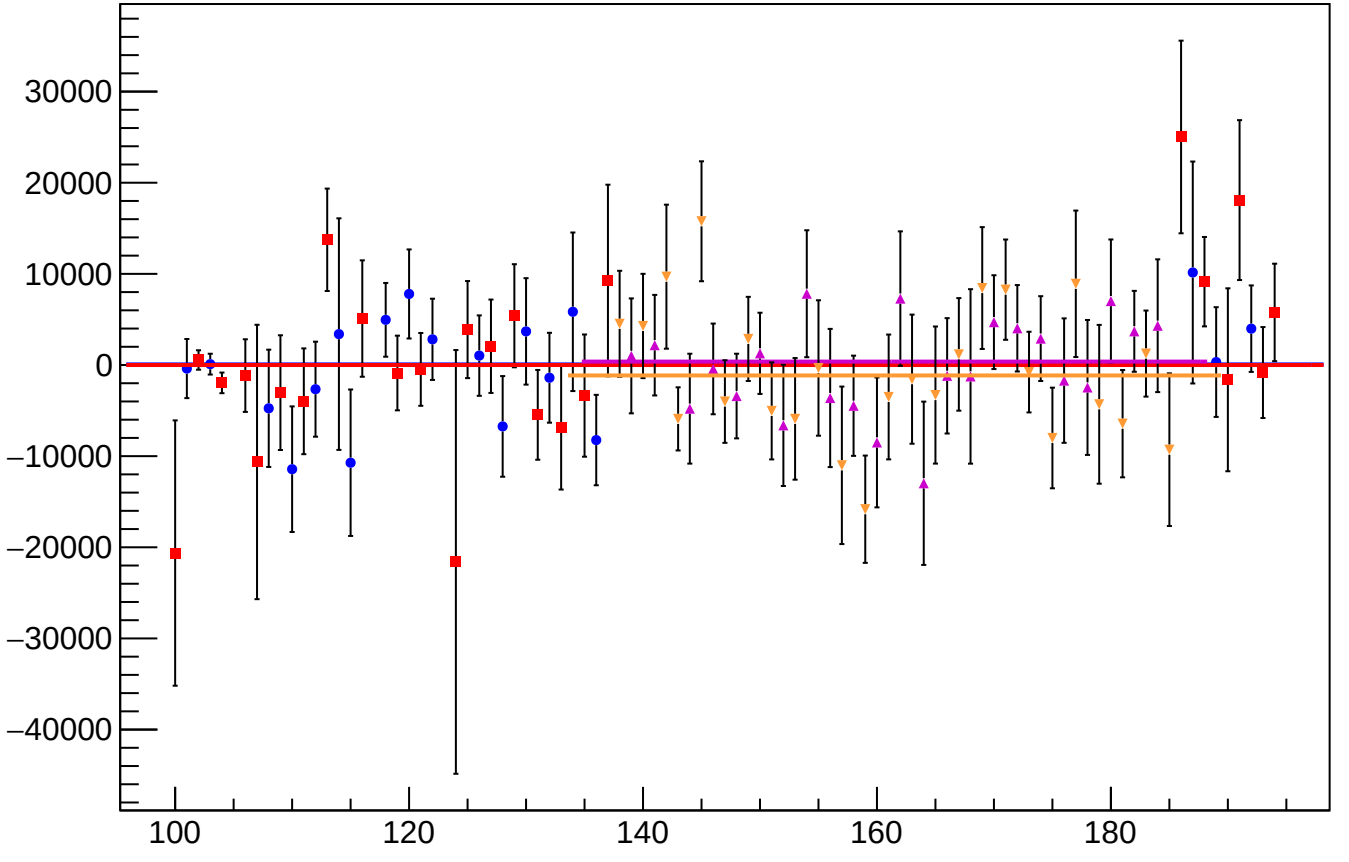
Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1761.736+/-0.238 χ^2/NDF: 277430.9/42

All: 1766.004+/-0.166 χ^2/NDF: 646472.1/89

- sign 1770.063+/-0.232 χ^2/NDF: 368415.8/46

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: 62.530+/-843.002 χ^2/NDF: 16.5/18

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -1.941+/-657.014 χ^2/NDF: 33.5/24

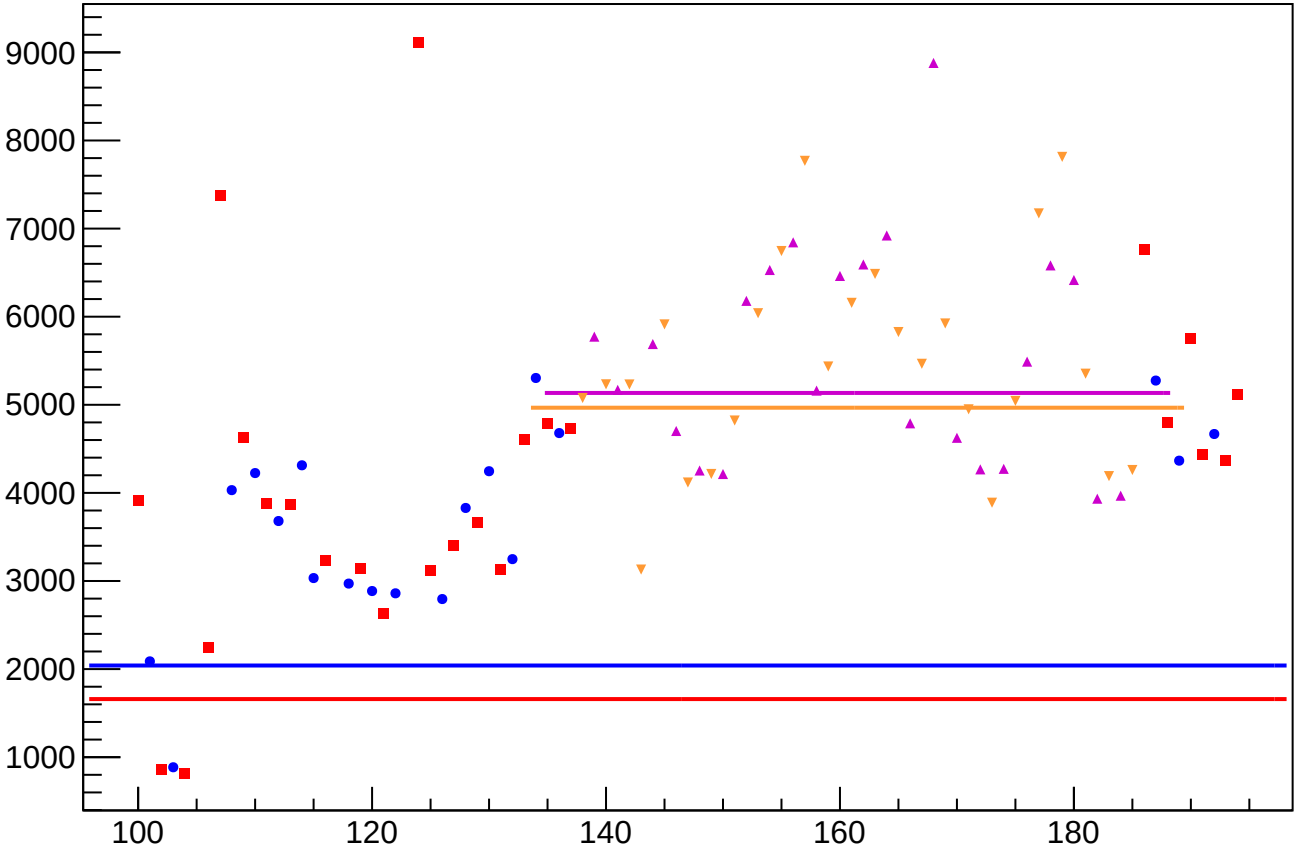
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

+ sign -352.503+/-682.846 χ^2/NDF: 49.8/43

All: -99.957+/-441.786 χ^2/NDF: 96.9/91

- sign 81.857+/-579.384 χ^2/NDF: 46.9/47

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: 1659.672+/-0.465 χ^2/NDF: 9423340.5/24

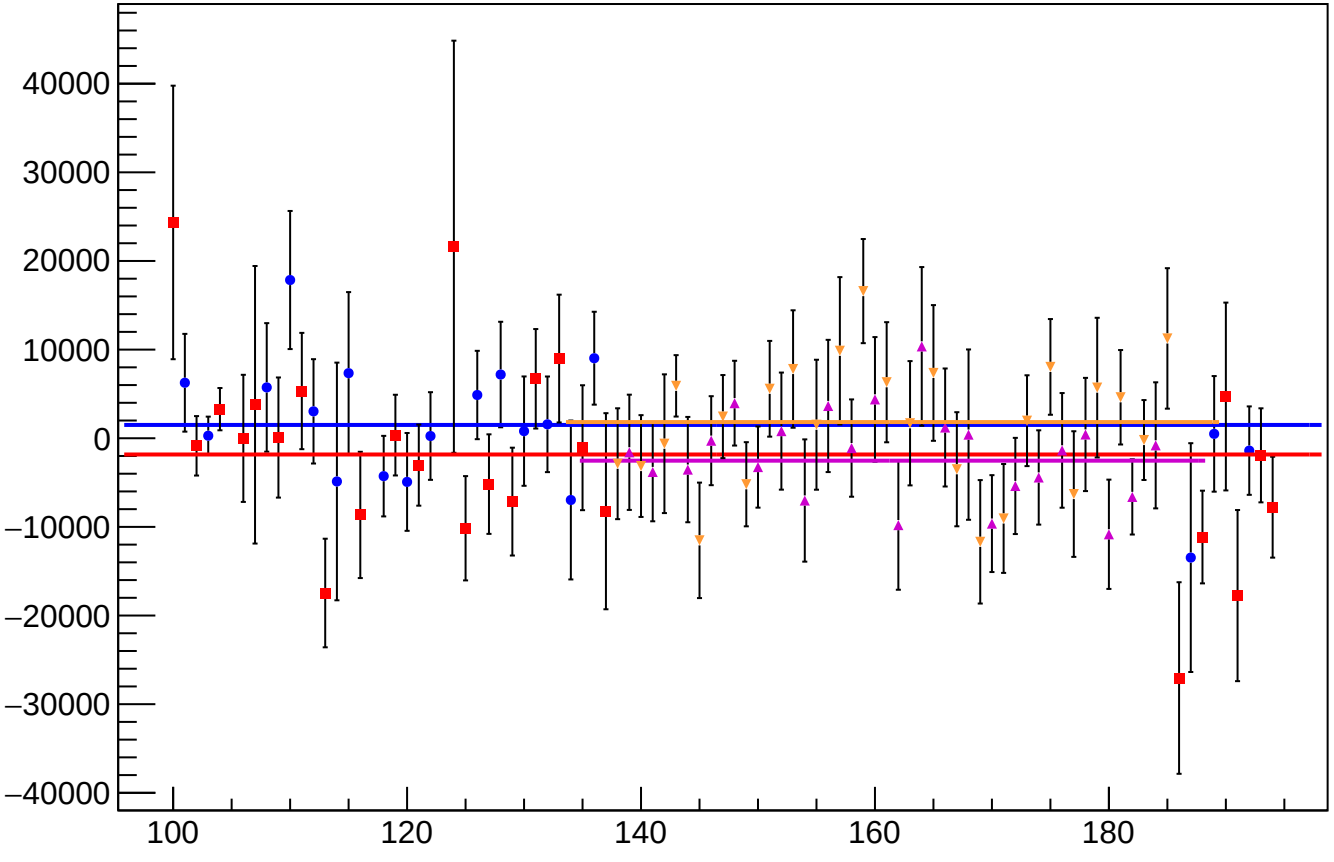
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3046.880+/-0.483 χ^2/NDF: 15745823.0/43

All: 2689.547+/-0.312 χ^2/NDF: 40036935.4/9

- sign 2432.294+/-0.410 χ^2/NDF: 23349137.0/47

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: -1831.942+/-1132.294 χ^2/NDF: 38.6/24

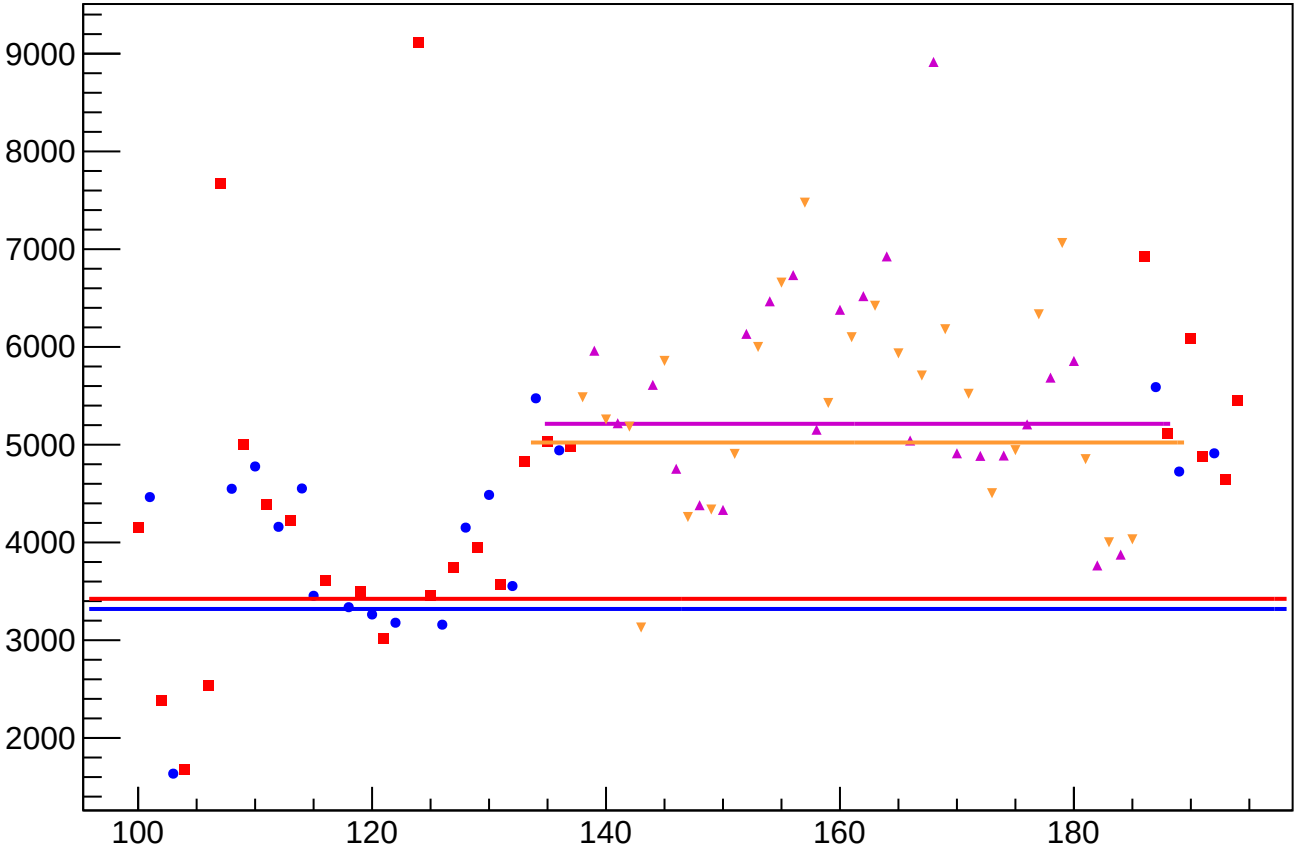
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1667.155+/-836.877 χ^2/NDF: 46.7/43

All: -240.946+/-591.722 χ^2/NDF: 109.1/91

- sign -2148.548+/-836.767 χ^2/NDF: 52.0/47

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: 3423.257+/-0.790 χ^2/NDF: 2999920.9/24

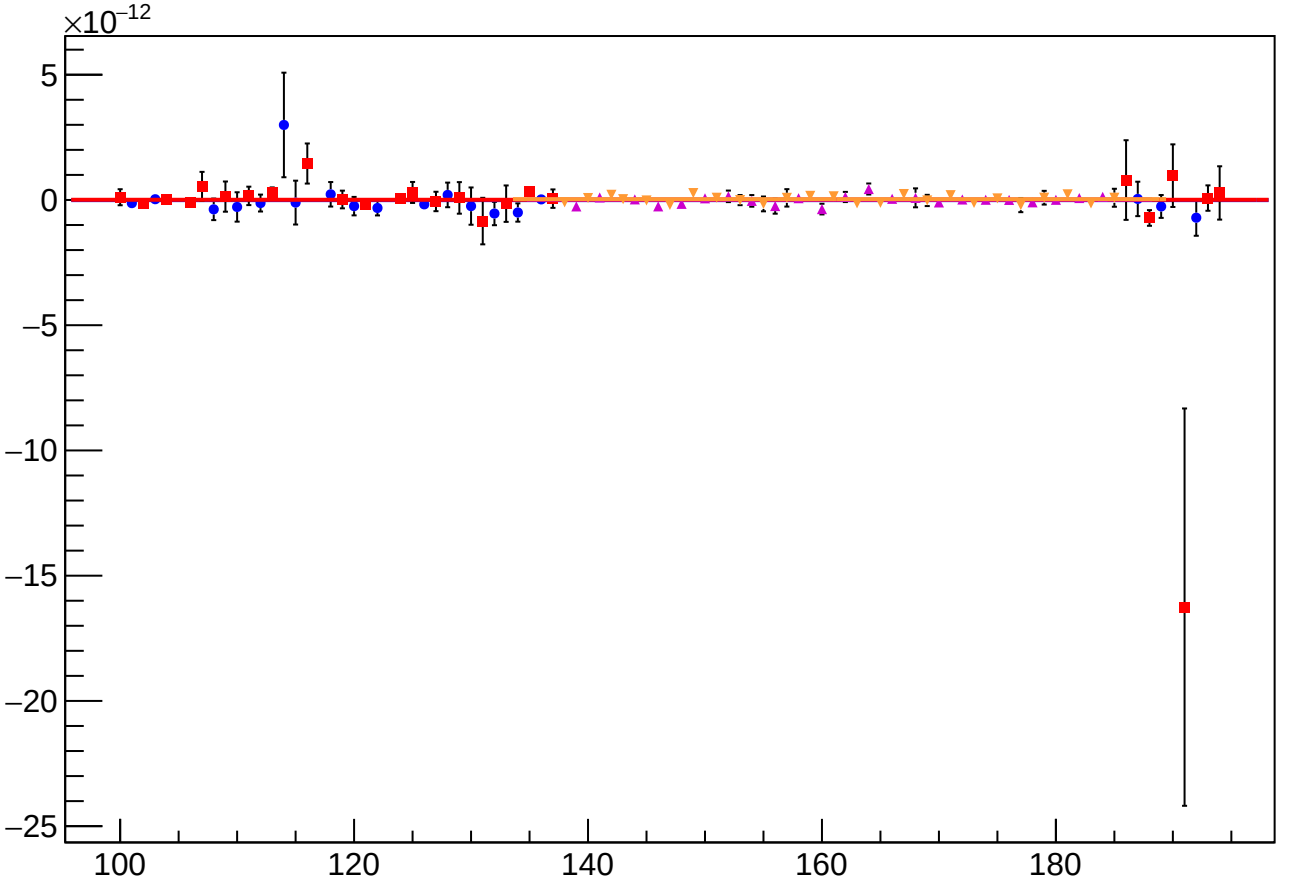
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4187.122+/-0.592 χ^2/NDF: 6026414.9/43

All: 4205.824+/-0.417 χ^2/NDF: 12547980.5/9

- sign 4224.254+/-0.587 χ^2/NDF: 6519582.5/47

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

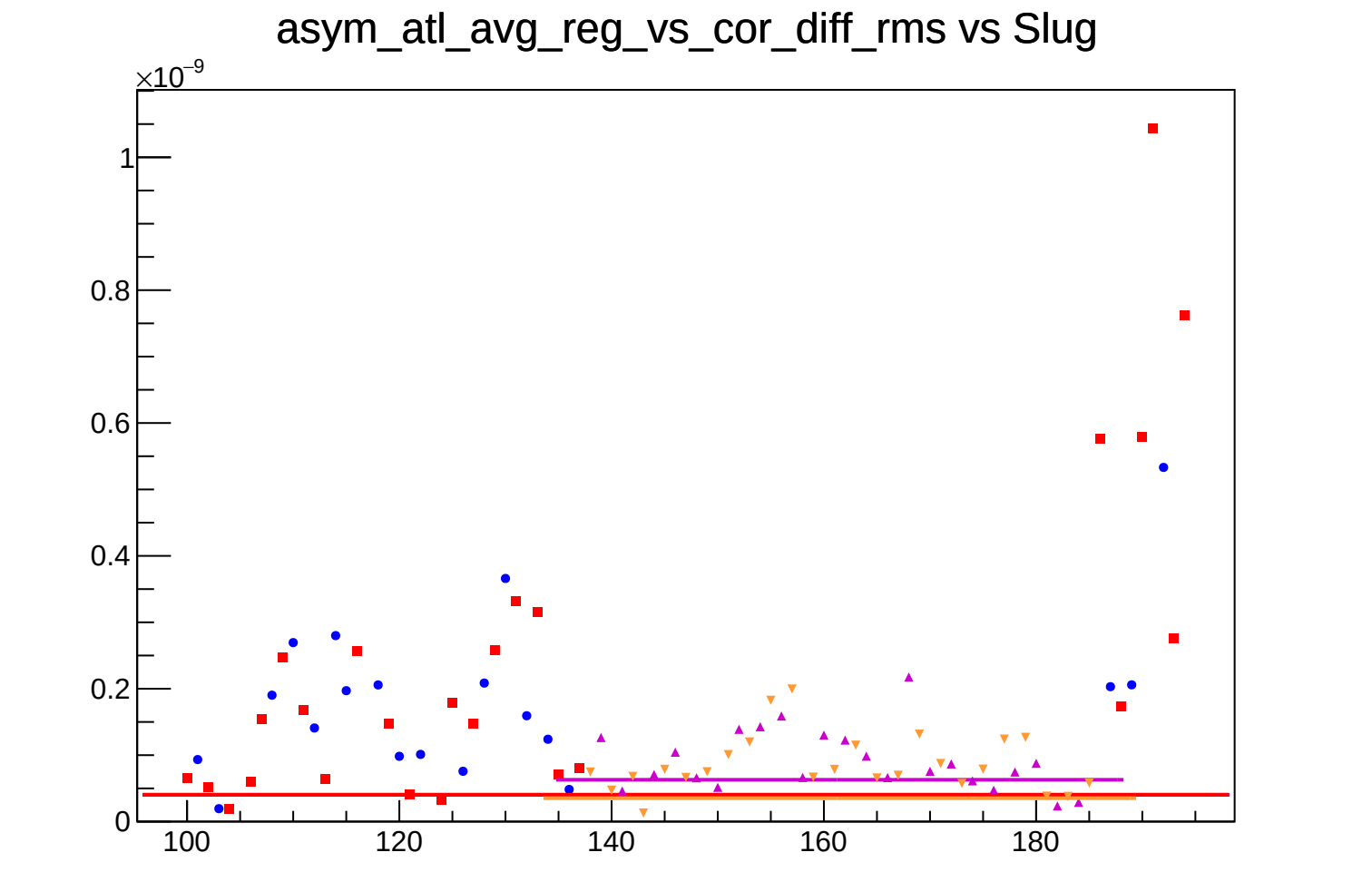
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/24

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: 82.7/91

- sign 0.000+/-0.000 χ^2/NDF: 44.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 4206488.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5060513.2/24

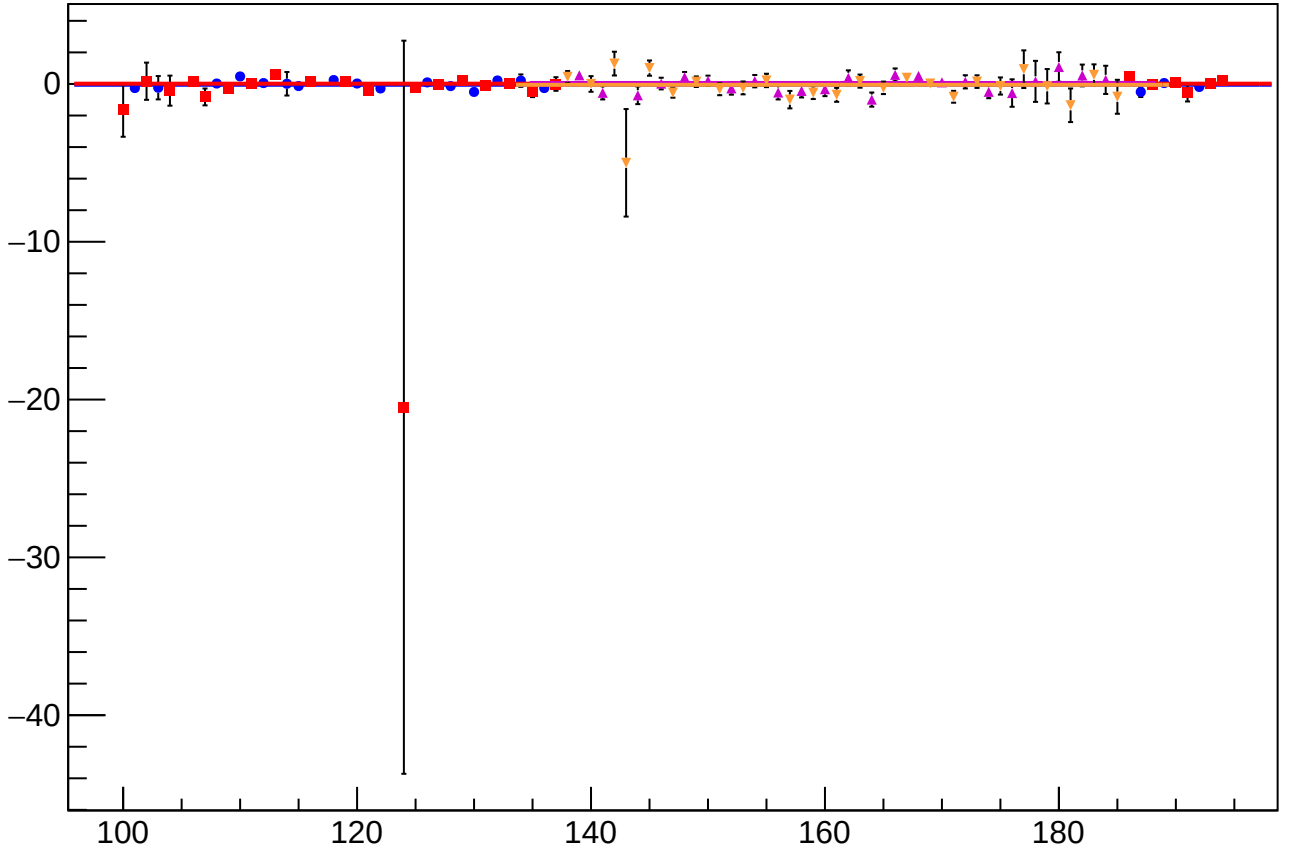
Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10754361.7/43

All: 0.000+/-0.000 χ^2/NDF: 20135759.0/91

- sign 0.000+/-0.000 χ^2/NDF: 8566936.3/47

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: 0.018+/-0.043 χ^2/NDF: 28.7/24

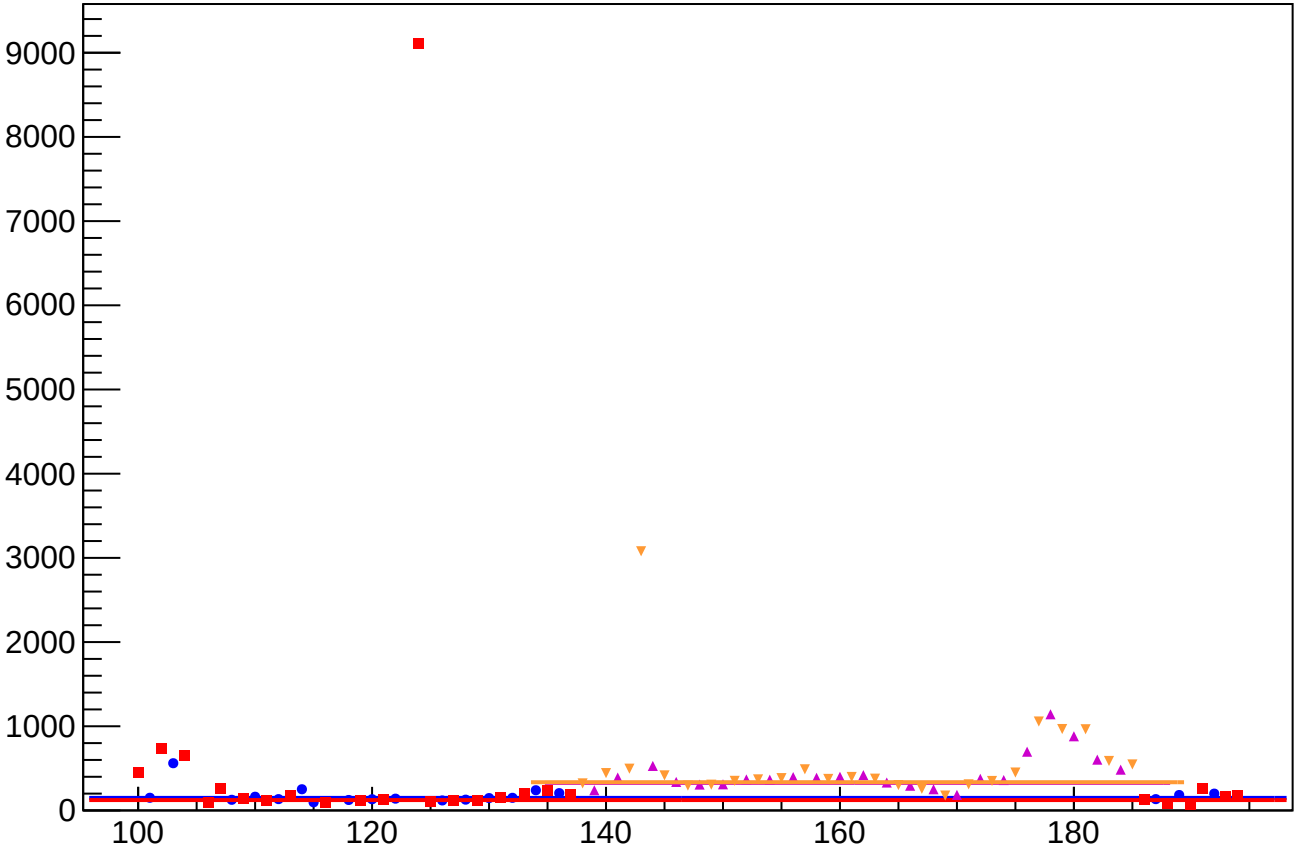
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.051+/-0.045 χ^2/NDF: 53.1/43

All: -0.005+/-0.029 χ^2/NDF: 111.8/91

- sign 0.027+/-0.038 χ^2/NDF: 56.9/47

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

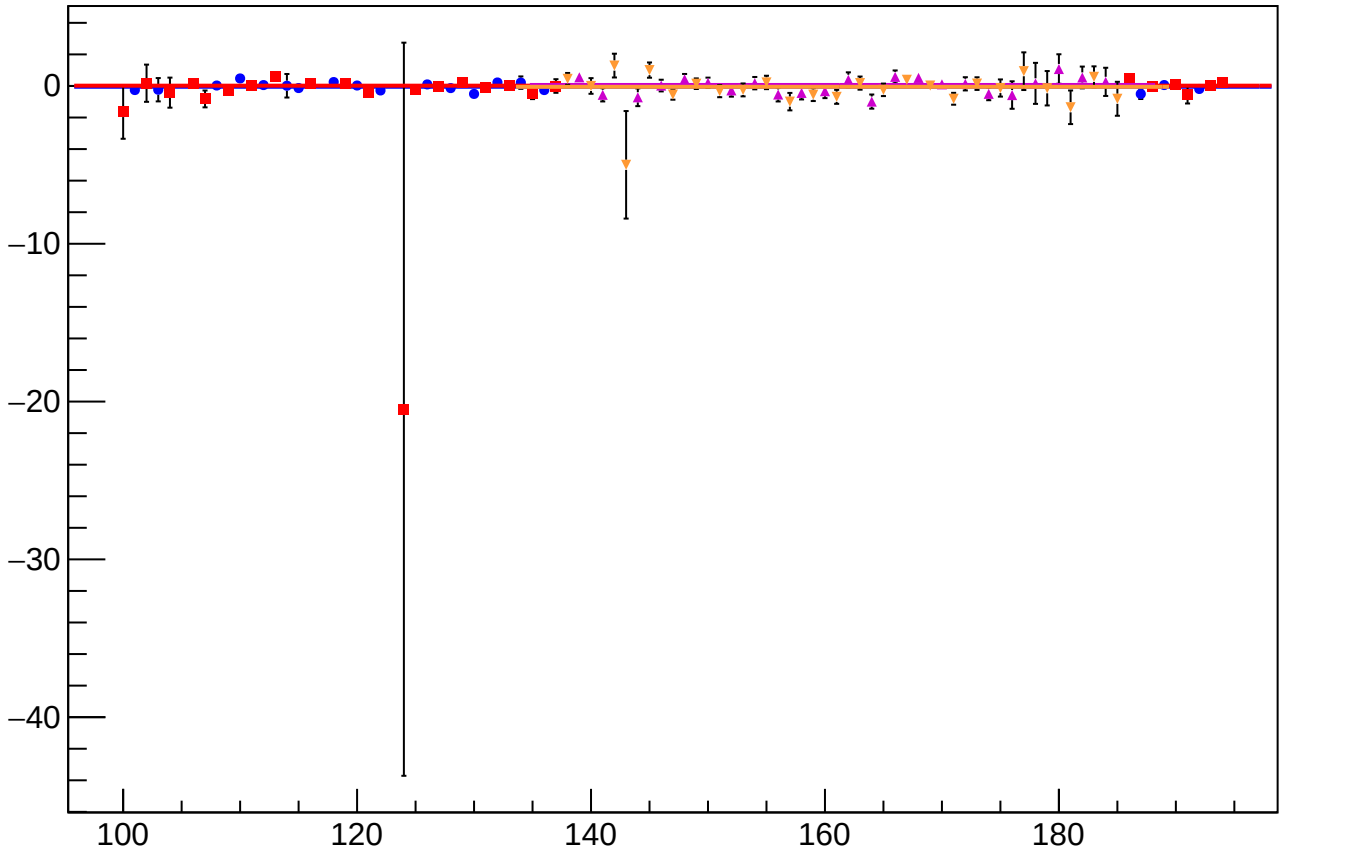
Right Out: 123.453+/-0.030 χ^2/NDF: 3240279.3/24

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 202.828+/-0.032 χ^2/NDF: 14023321.8/43

All: 181.382+/-0.021 χ^2/NDF: 31785016.8/91

- sign 166.405+/-0.027 χ^2/NDF: 17004359.2/47



Right In: -0.050+/-0.054 χ^2/NDF: 20.0/18

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.018+/-0.043 χ^2/NDF: 28.7/24

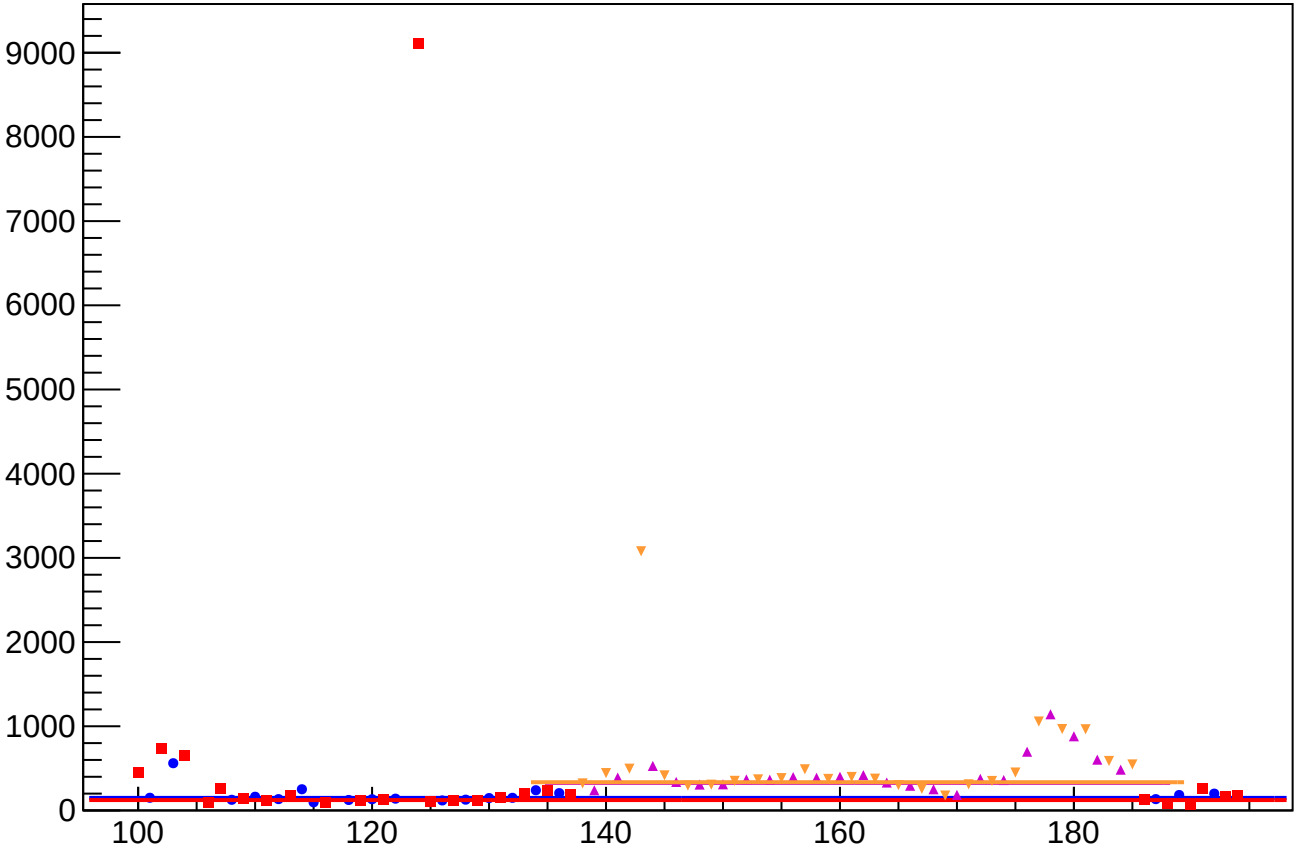
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.051+/-0.045 χ^2/NDF: 53.1/43

All: -0.005+/-0.029 χ^2/NDF: 111.8/91

- sign 0.027+/-0.038 χ^2/NDF: 56.9/47

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

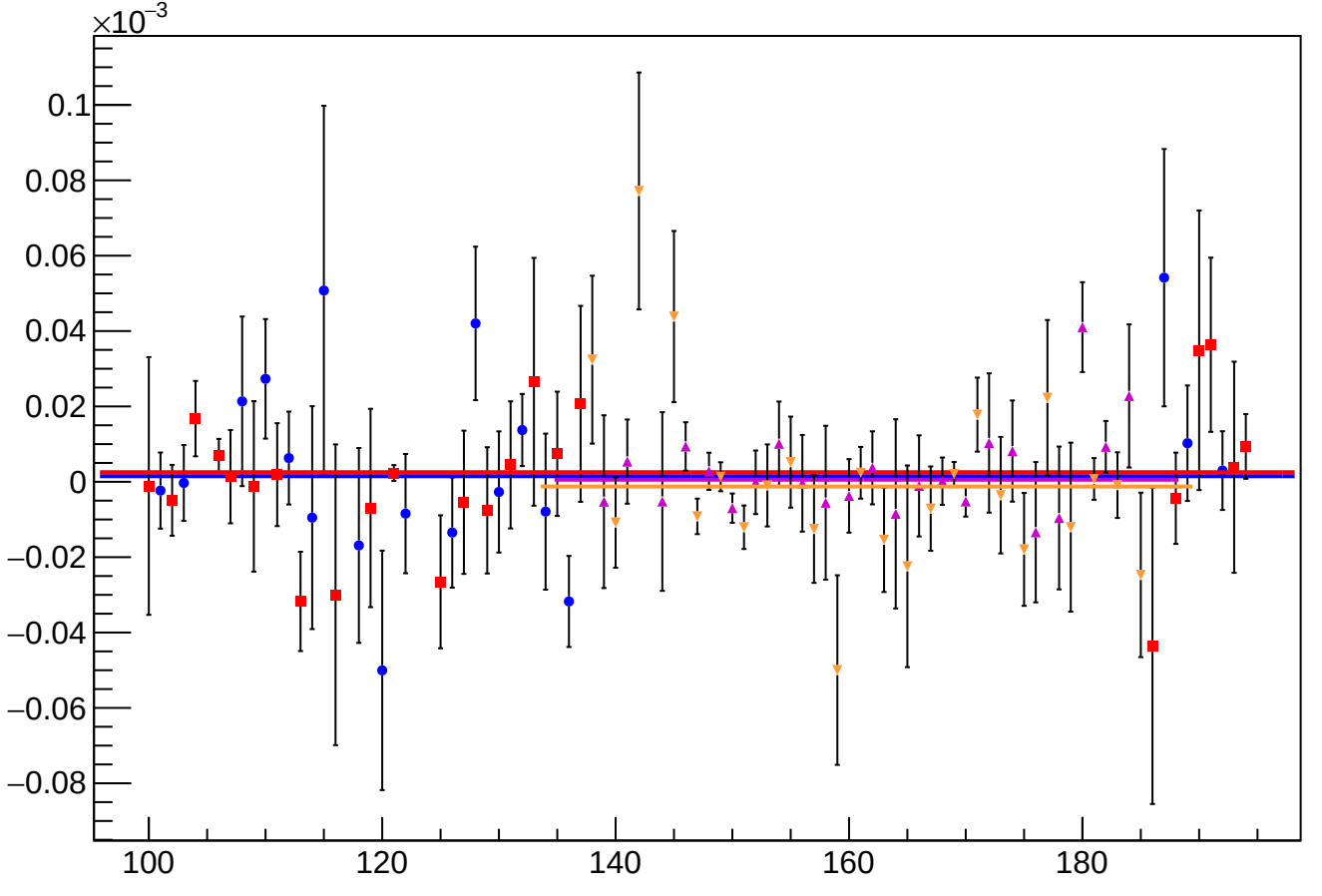
Right Out: 123.453+/-0.030 χ^2/NDF: 3240279.3/24

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 202.828+/-0.032 χ^2/NDF: 14023321.8/43

All: 181.382+/-0.021 χ^2/NDF: 31785016.8/91

- sign 166.405+/-0.027 χ^2/NDF: 17004359.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

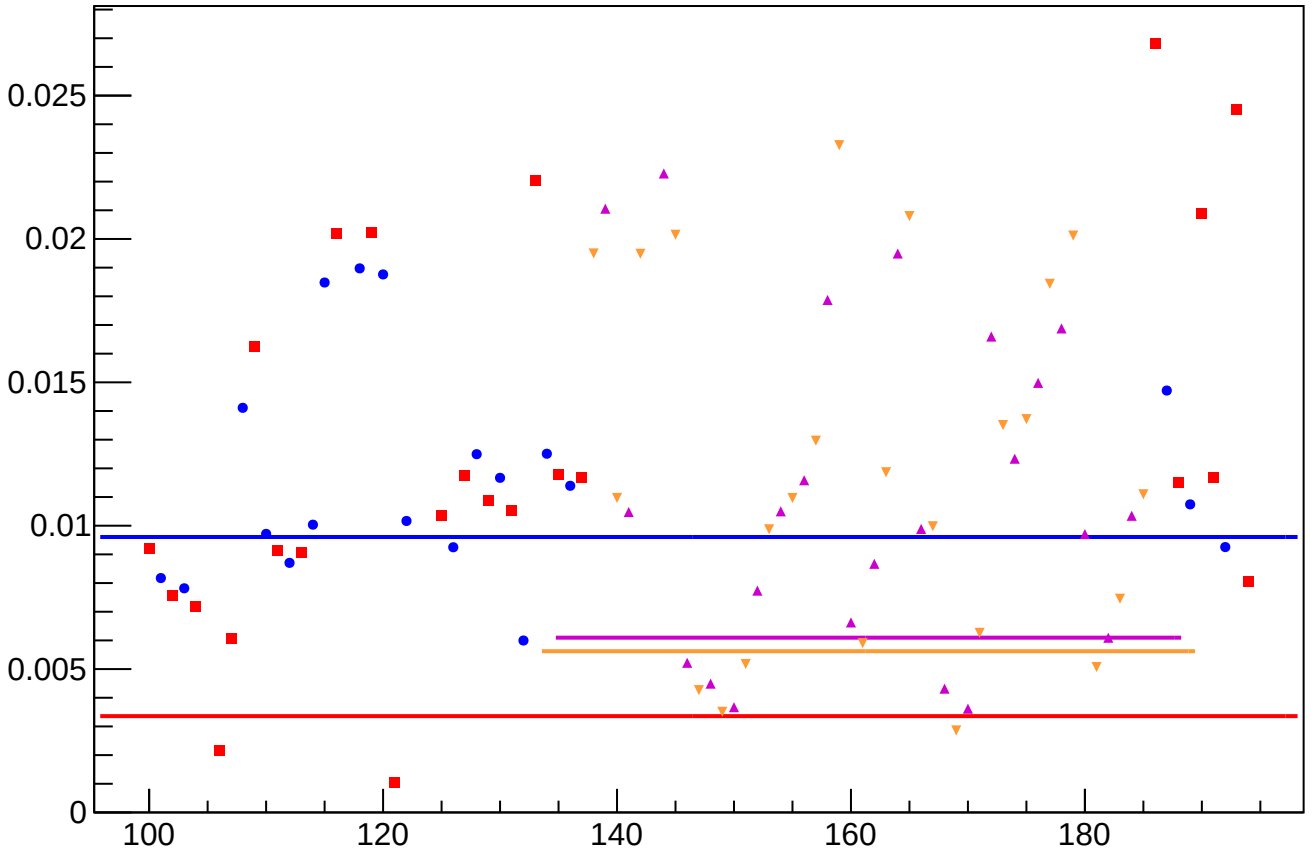
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/23

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.9/42

All: 0.000+/-0.000 χ^2/NDF: 110.3/89

- sign 0.000+/-0.000 χ^2/NDF: 46.9/46



Right In: 0.010+/-0.000 χ^2/NDF: 1191998.7/18

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.003+/-0.000 χ^2/NDF: 12754962.8/23

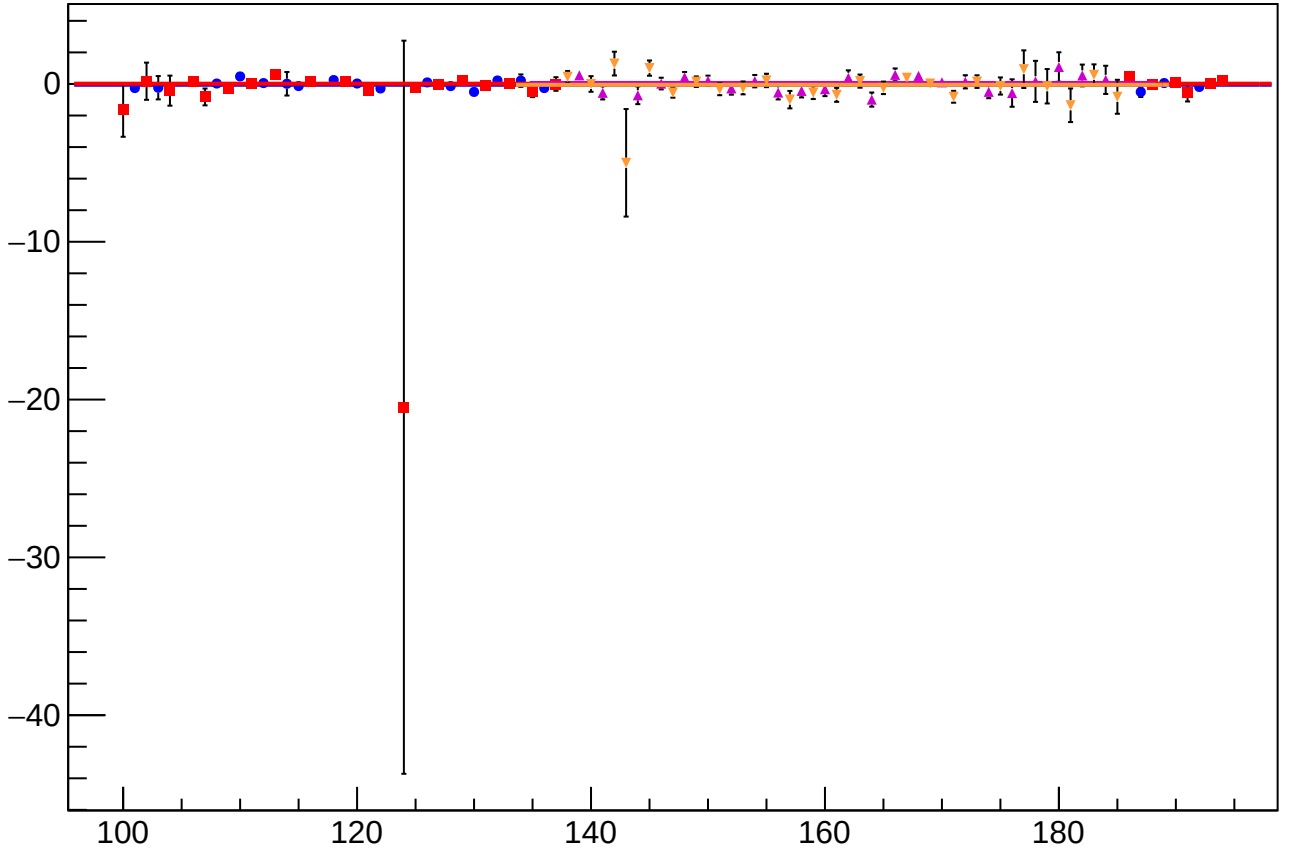
Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 14594903.7/42

All: 0.005+/-0.000 χ^2/NDF: 40337328.9/89

- sign 0.005+/-0.000 χ^2/NDF: 24160832.3/46

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: 0.018+/-0.043 χ^2/NDF: 28.7/24

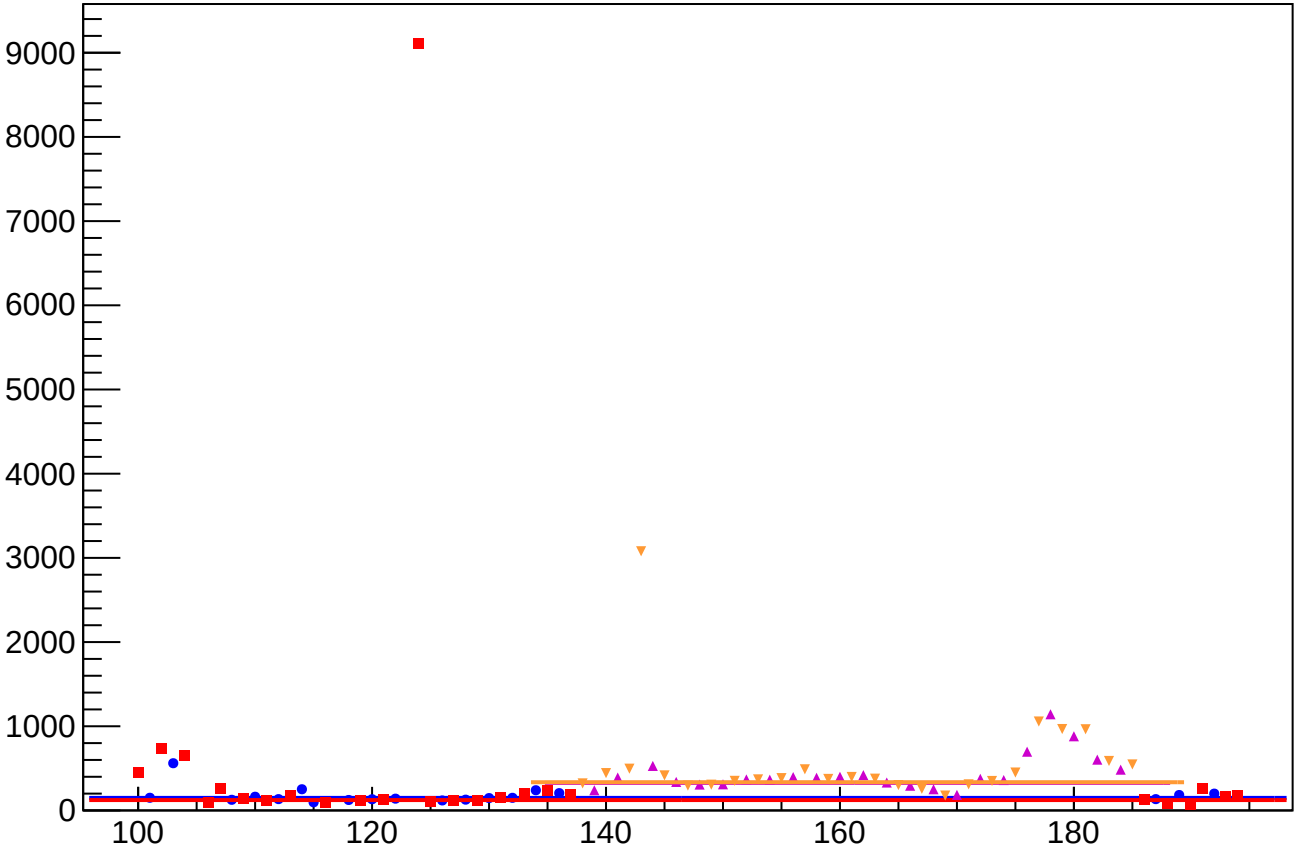
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.051+/-0.045 χ^2/NDF: 53.1/43

All: -0.005+/-0.029 χ^2/NDF: 111.8/91

- sign 0.027+/-0.038 χ^2/NDF: 56.9/47

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

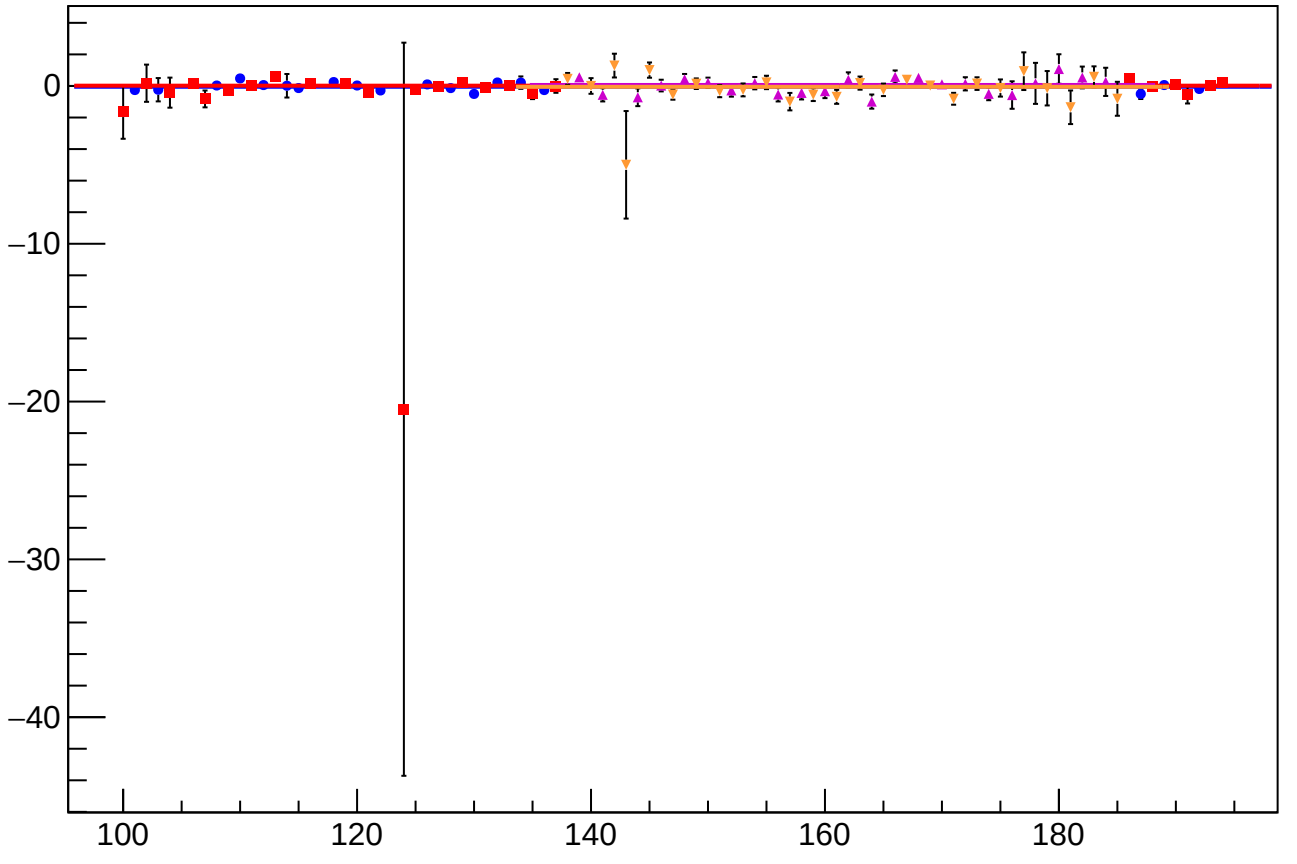
Right Out: 123.451+/-0.030 χ^2/NDF: 3240265.2/24

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 202.827+/-0.032 χ^2/NDF: 14023610.4/43

All: 181.380+/-0.021 χ^2/NDF: 31785754.9/91

- sign 166.403+/-0.027 χ^2/NDF: 17004743.5/47



Right In: -0.050+/-0.054 χ^2/NDF: 20.0/18

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.018+/-0.043 χ^2/NDF: 28.7/24

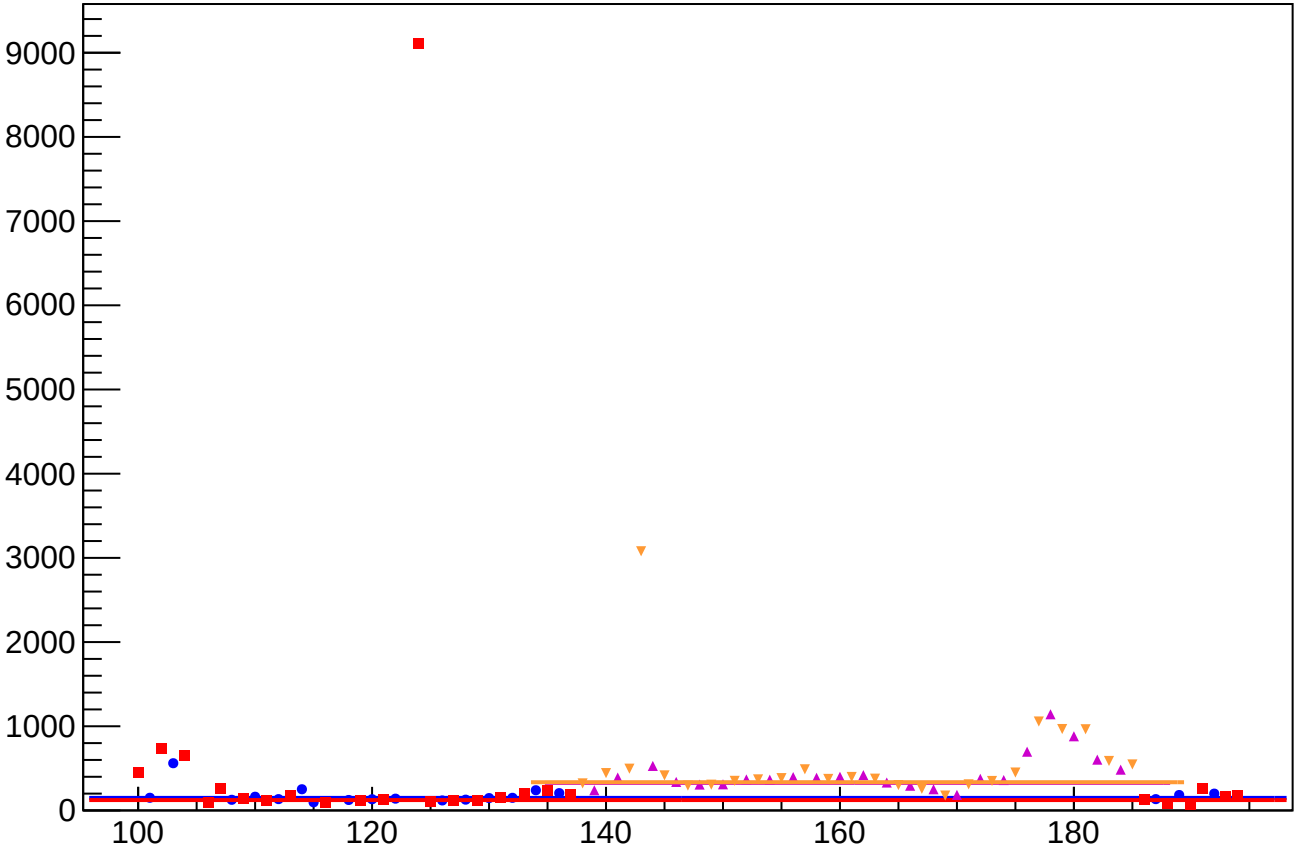
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.051+/-0.045 χ^2/NDF: 53.1/43

All: -0.005+/-0.029 χ^2/NDF: 111.8/91

- sign 0.027+/-0.038 χ^2/NDF: 56.9/47

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

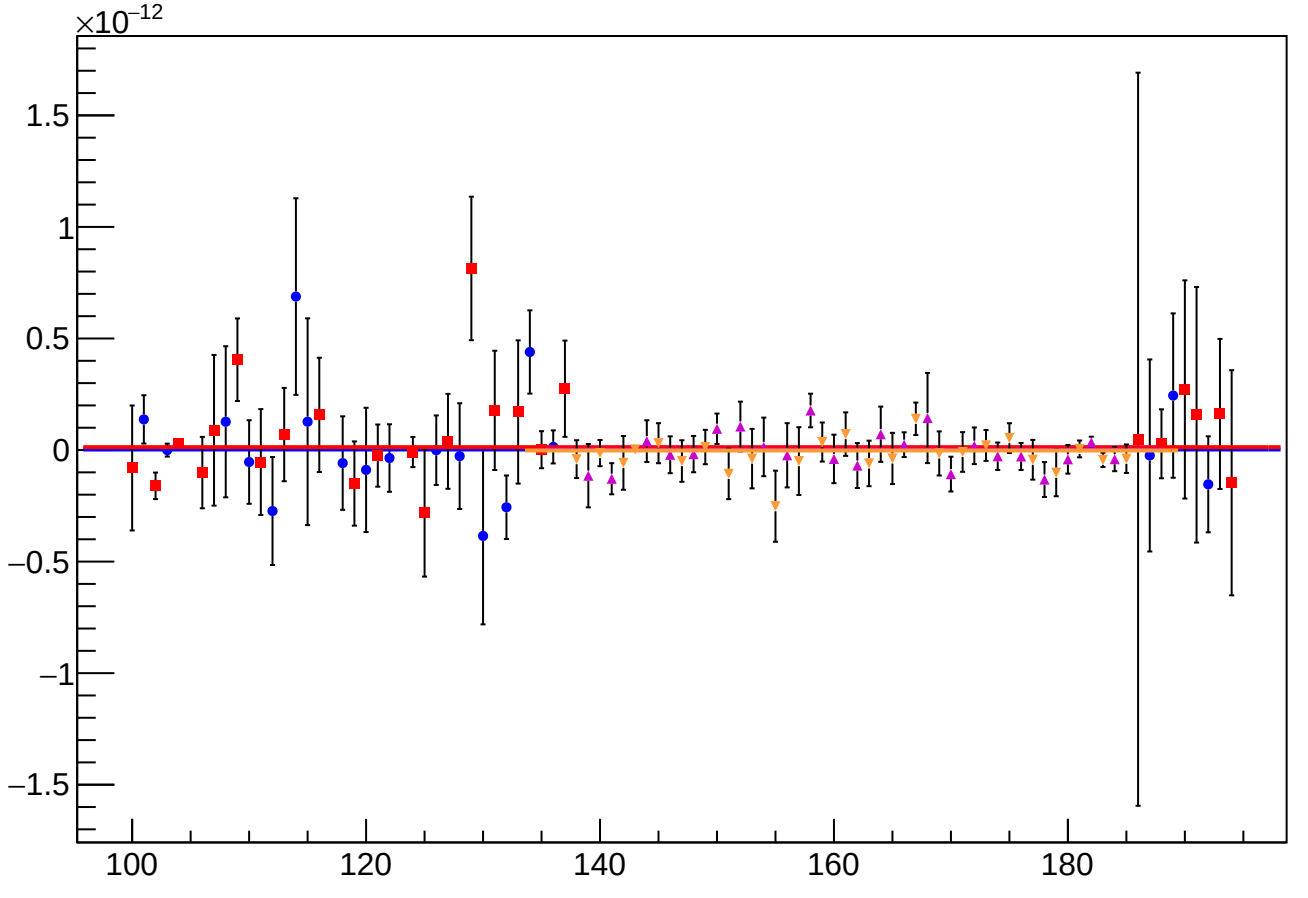
Right Out: 123.451+/-0.030 χ^2/NDF: 3240265.2/24

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 202.827+/-0.032 χ^2/NDF: 14023610.4/43

All: 181.380+/-0.021 χ^2/NDF: 31785754.9/91

- sign 166.403+/-0.027 χ^2/NDF: 17004743.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/24

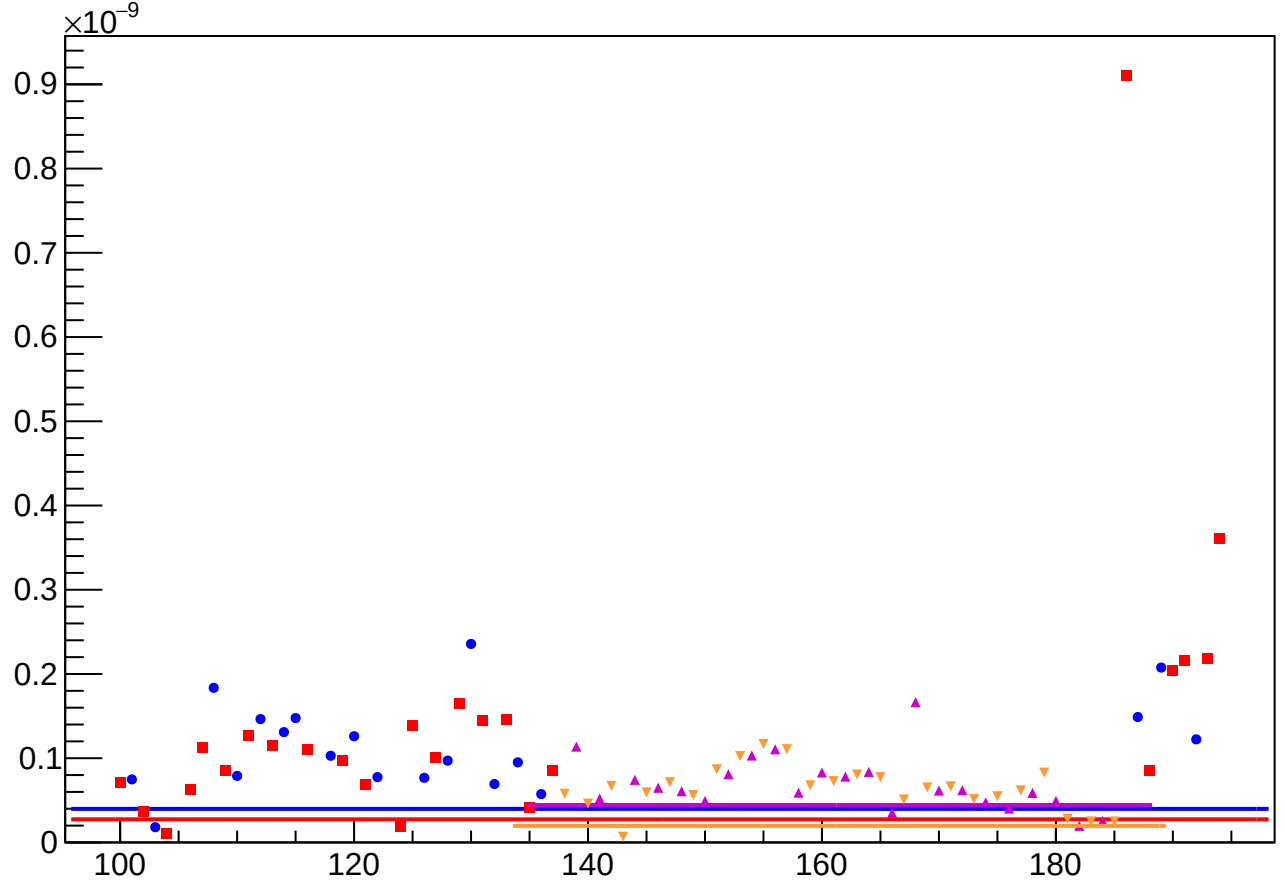
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.2/43

All: 0.000+/-0.000 χ^2/NDF: 79.0/91

- sign 0.000+/-0.000 χ^2/NDF: 48.5/47

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: 7584052.2/24

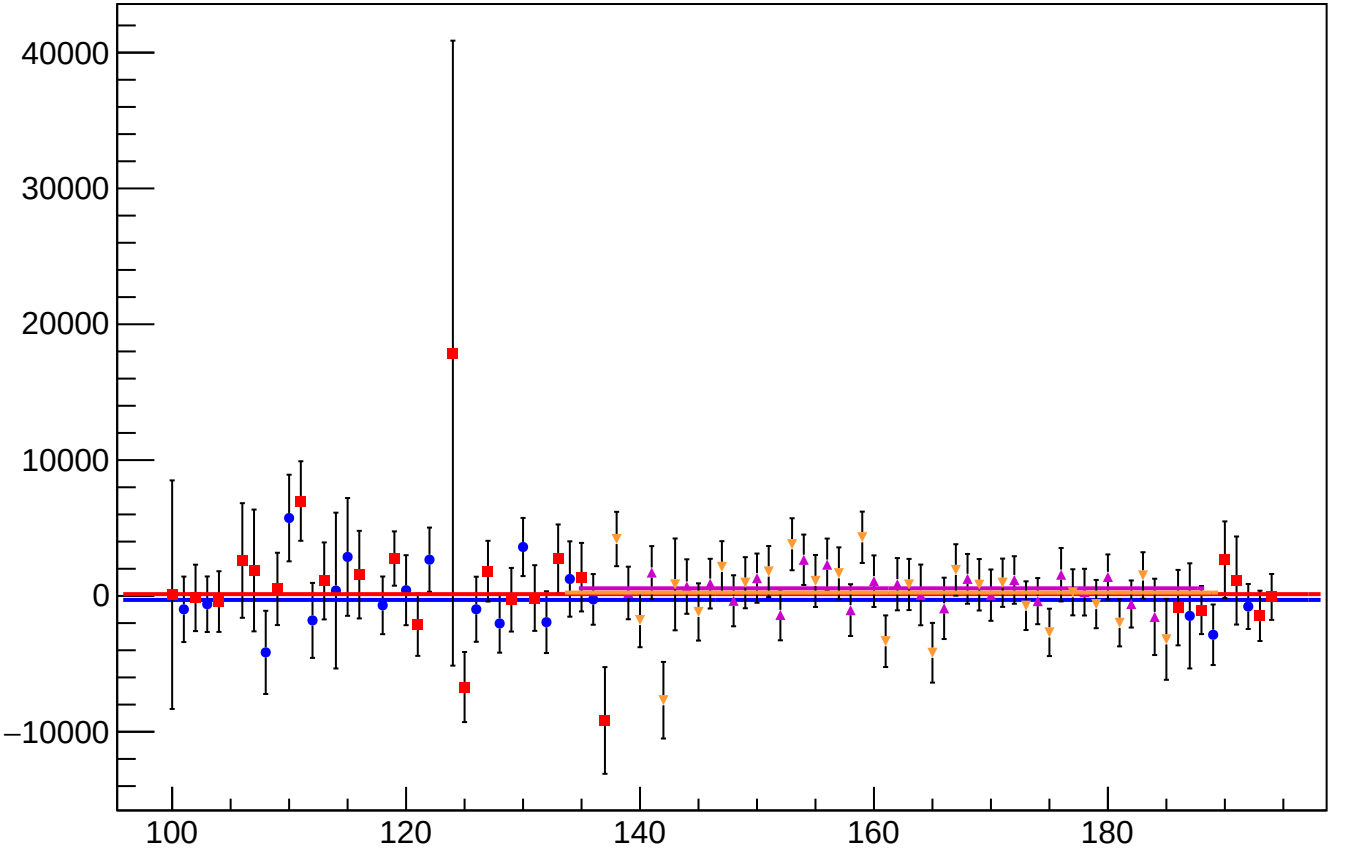
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 20974176.3/43

All: 0.000+/-0.000 χ^2/NDF: 38363570.1/91

- sign 0.000+/-0.000 χ^2/NDF: 14580858.7/47

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: 132.067+/-512.879 χ^2/NDF: 26.4/24

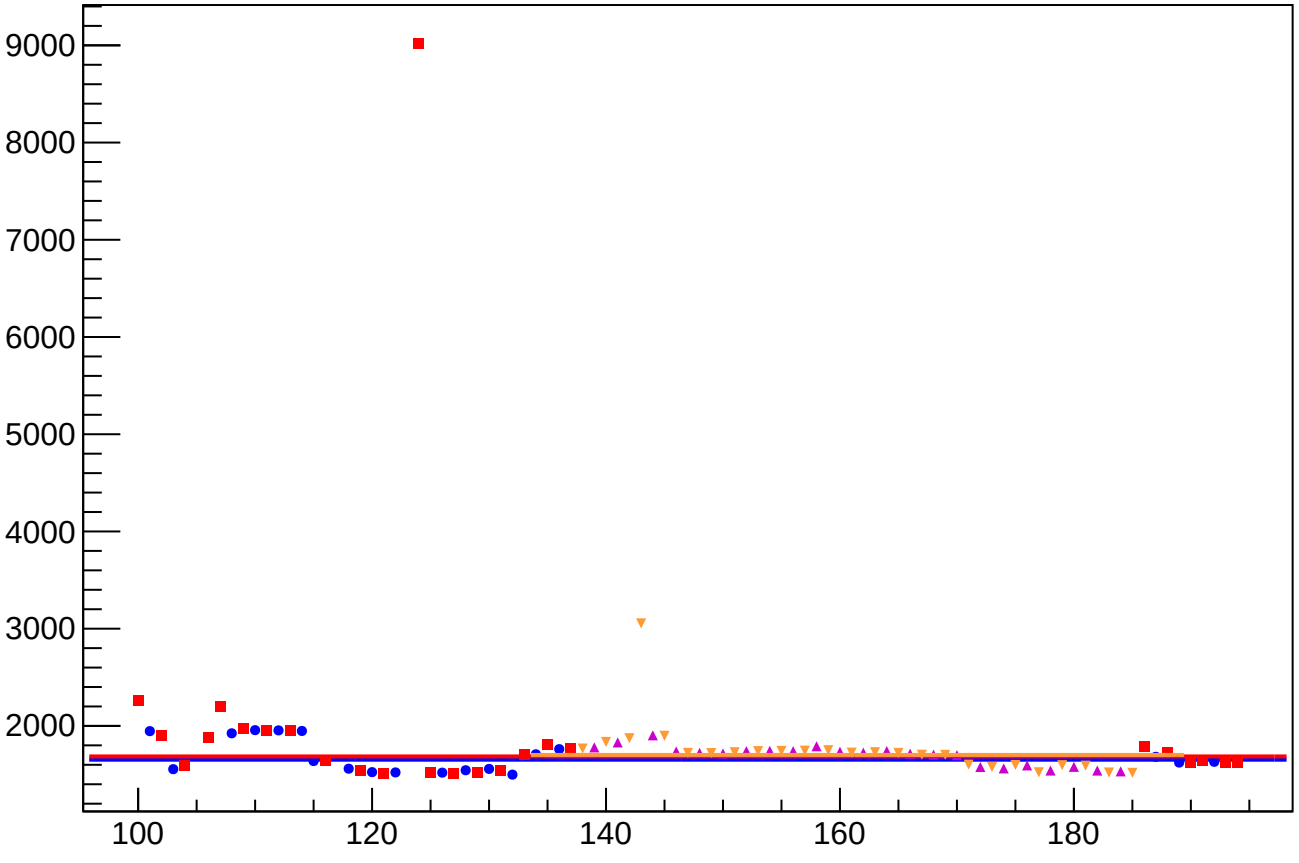
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 70.565+/-318.627 χ^2/NDF: 54.4/43

All: 238.529+/-223.288 χ^2/NDF: 89.3/91

- sign 400.615+/-313.001 χ^2/NDF: 34.4/47

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: 1686.082+/-0.362 χ^2/NDF: 396855.4/24

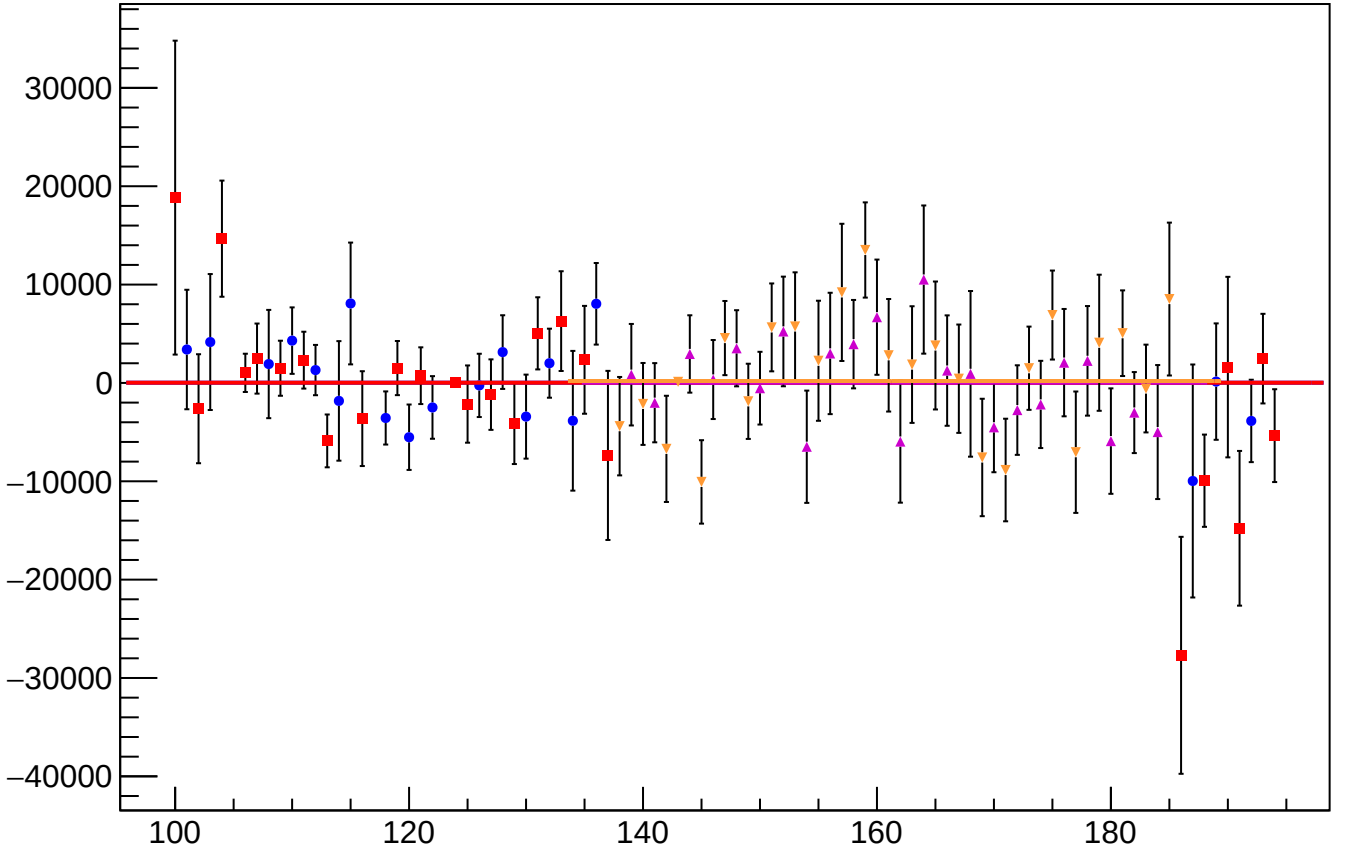
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

\+ sign 1685.480+/-0.225 χ^2/NDF: 607718.4/43

All: 1686.800+/-0.158 χ^2/NDF: 1127007.4/91

\- sign 1688.071+/-0.221 χ^2/NDF: 519221.6/47

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: 22.052+/-320.812 χ^2/NDF: 35.9/24

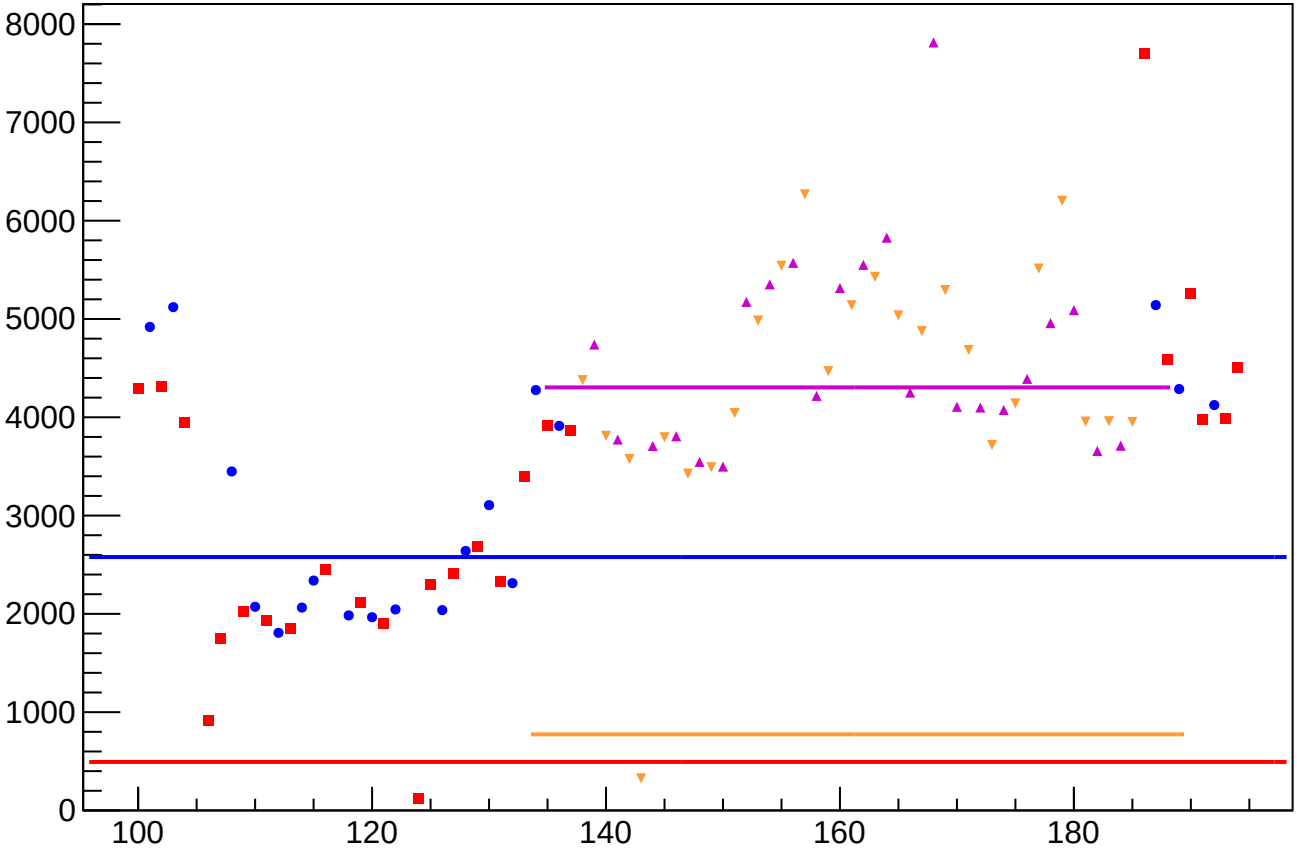
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 172.649+/-321.600 χ^2/NDF: 50.8/43

All: 93.966+/-221.753 χ^2/NDF: 100.1/91

- sign 22.647+/-306.179 χ^2/NDF: 49.2/47

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: 493.387+/-0.227 χ^2/NDF: 16965426.3/24

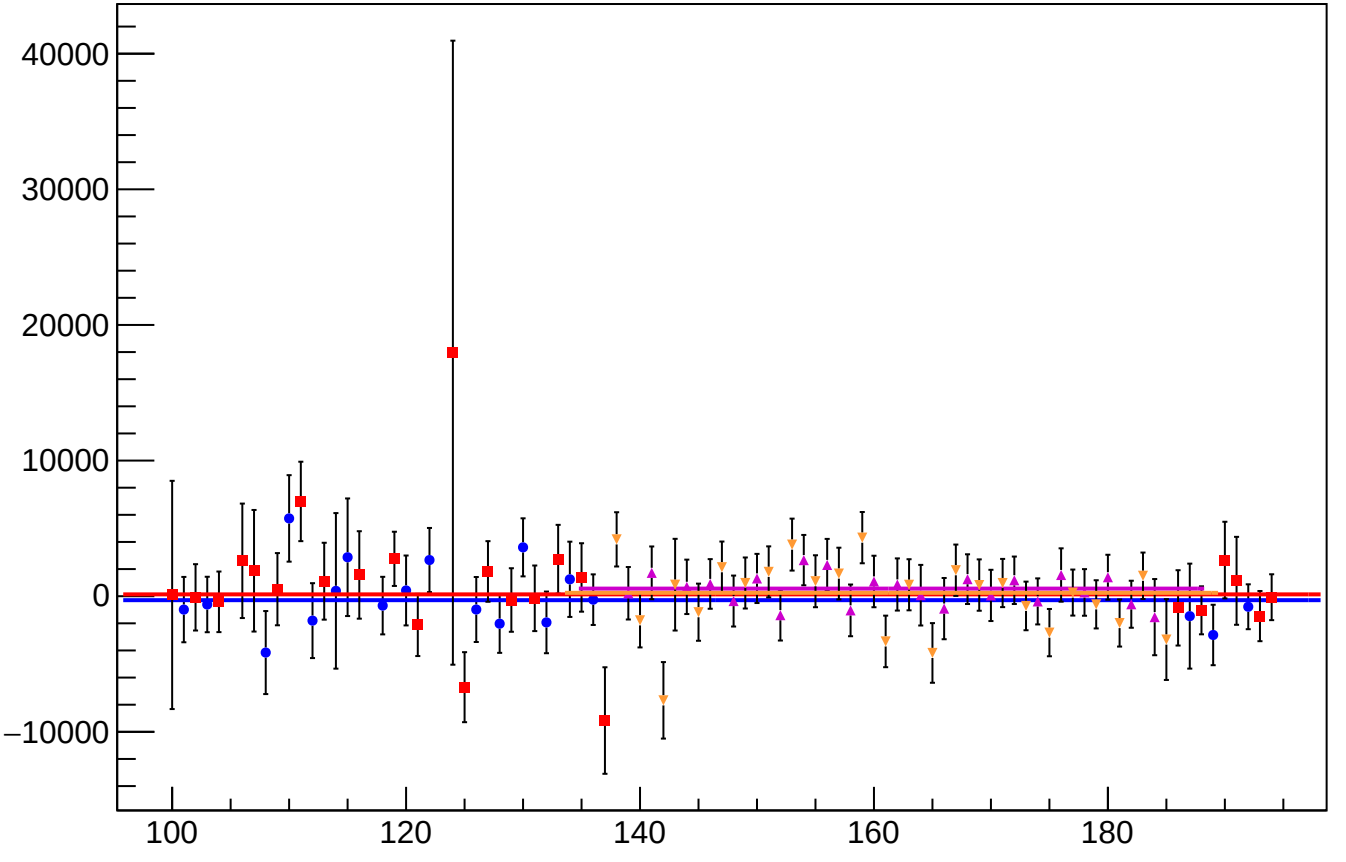
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 993.495+/-0.227 χ^2/NDF: 36839071.3/43

All: 909.351+/-0.157 χ^2/NDF: 80436576.3/91

- sign 833.083+/-0.217 χ^2/NDF: 43336492.3/47

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: 134.876+/-512.882 χ^2/NDF: 26.4/24

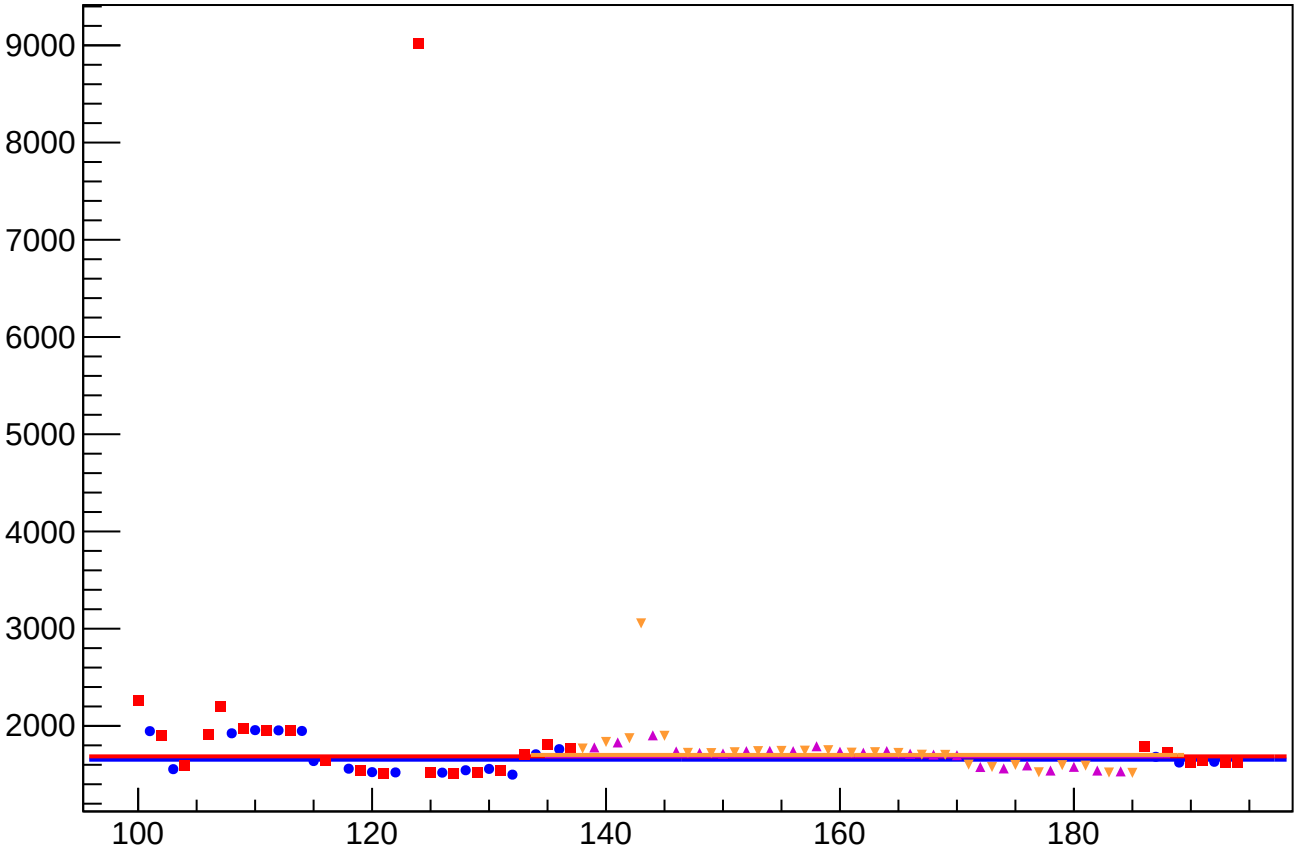
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 70.534+/-318.627 χ^2/NDF: 54.4/43

All: 239.036+/-223.288 χ^2/NDF: 89.3/91

- sign 401.641+/-313.002 χ^2/NDF: 34.4/47

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: 1686.598+/-0.362 χ^2/NDF: 398690.5/24

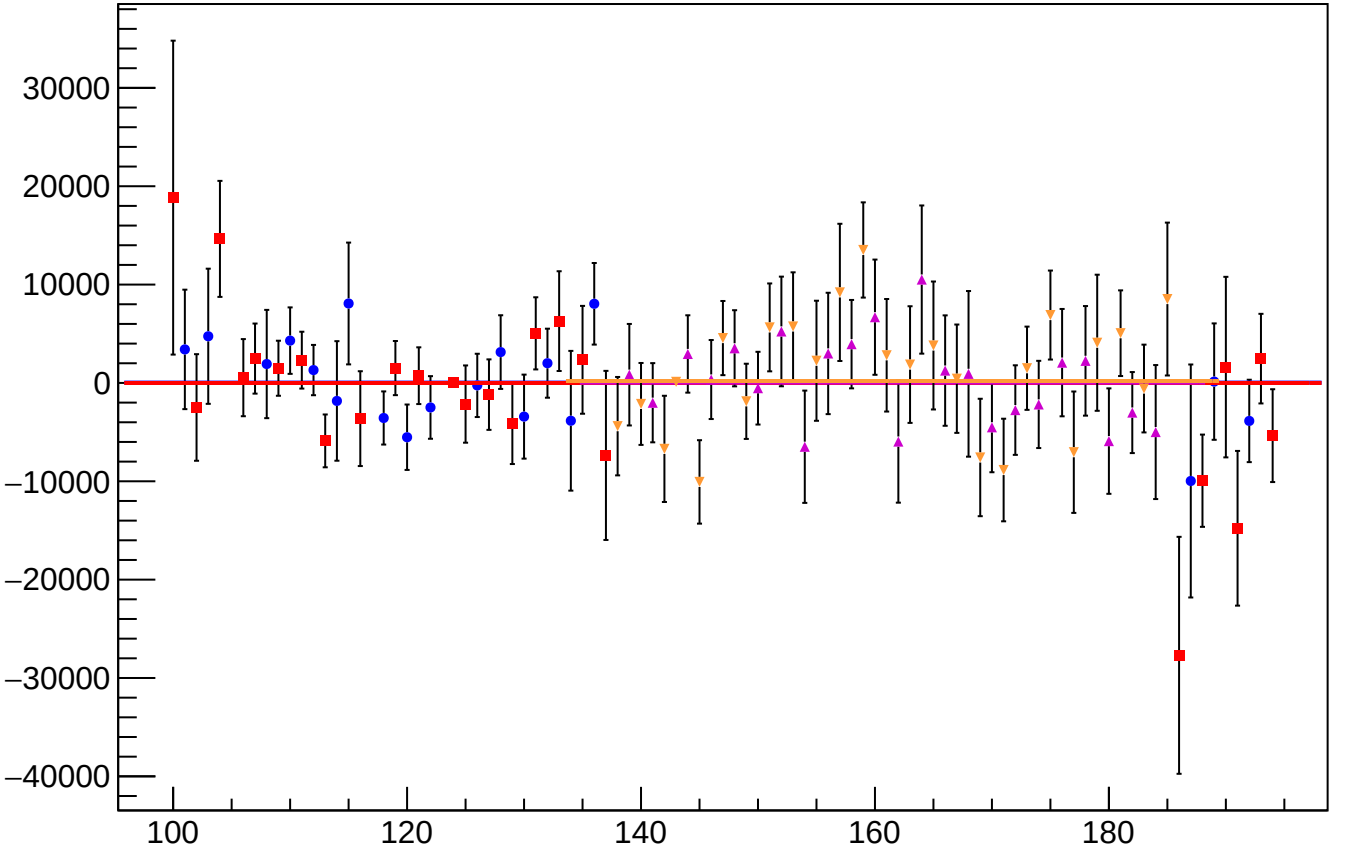
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1685.480+/-0.225 χ^2/NDF: 607718.4/43

All: 1686.898+/-0.158 χ^2/NDF: 1128838.6/91

- sign 1688.264+/-0.221 χ^2/NDF: 521042.3/47

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: -5.783+/-313.062 χ^2/NDF: 35.6/24

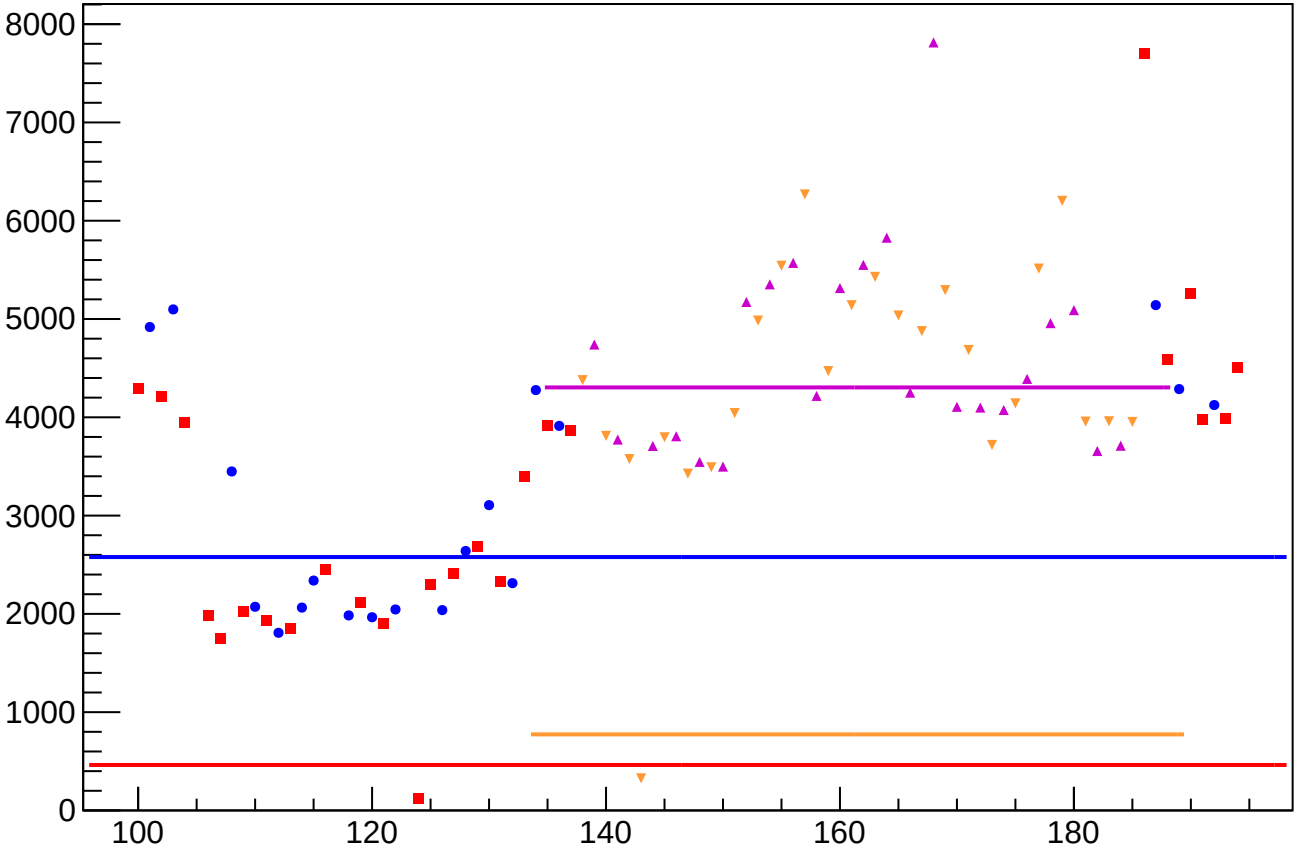
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 174.427+/-321.576 χ^2/NDF: 50.9/43

All: 79.478+/-219.136 χ^2/NDF: 100.0/91

- sign -2.837+/-299.420 χ^2/NDF: 48.9/47

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: 462.741+/-0.221 χ^2/NDF: 17391823.1/24

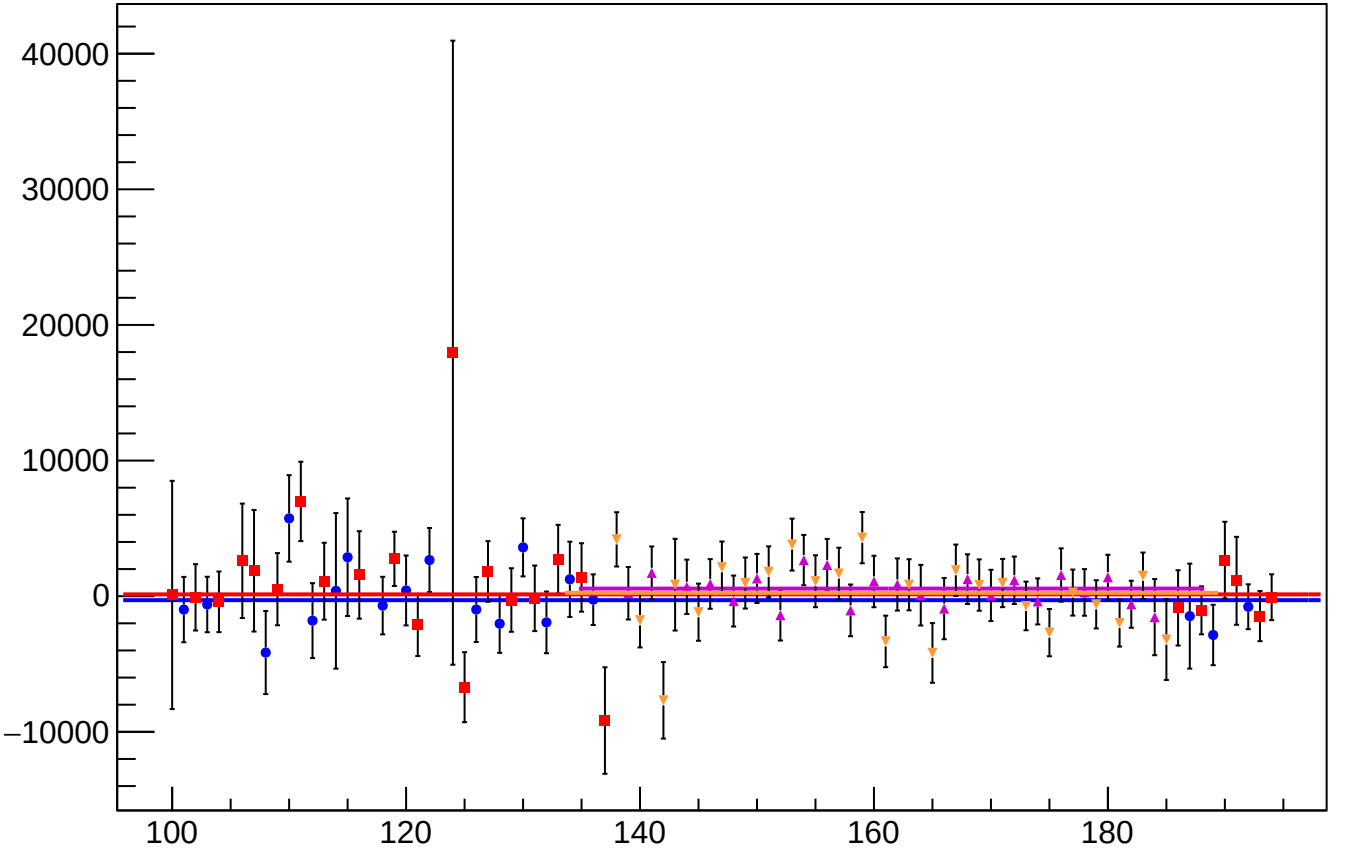
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 993.448+/-0.227 χ^2/NDF: 36841161.9/43

All: 884.591+/-0.155 χ^2/NDF: 81547354.2/91

- sign 790.217+/-0.212 χ^2/NDF: 44278323.4/47

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: 134.876+/-512.882 χ^2/NDF: 26.4/24

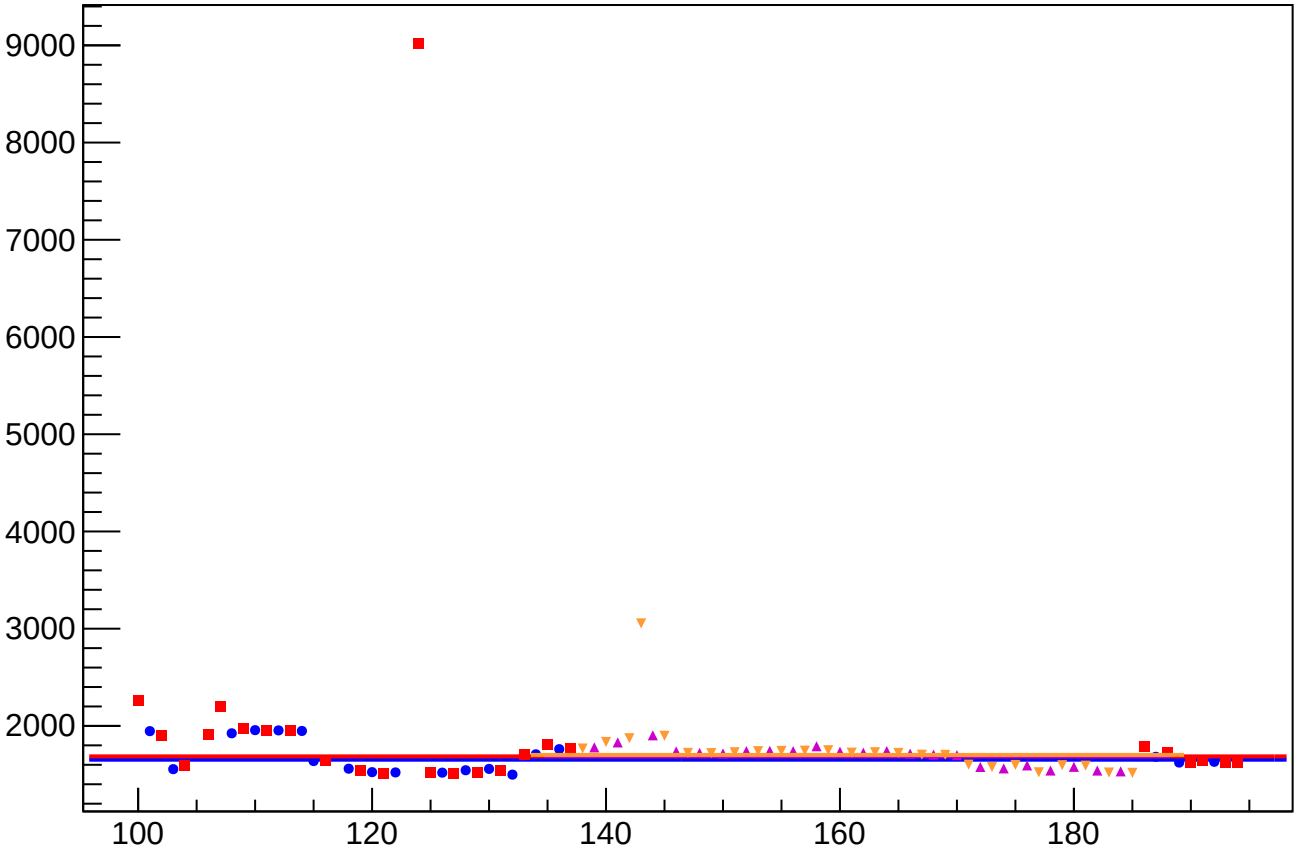
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 70.534+/-318.627 χ^2/NDF: 54.4/43

All: 239.036+/-223.288 χ^2/NDF: 89.3/91

- sign 401.641+/-313.002 χ^2/NDF: 34.4/47

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: 1686.598+/-0.362 χ^2/NDF: 398690.5/24

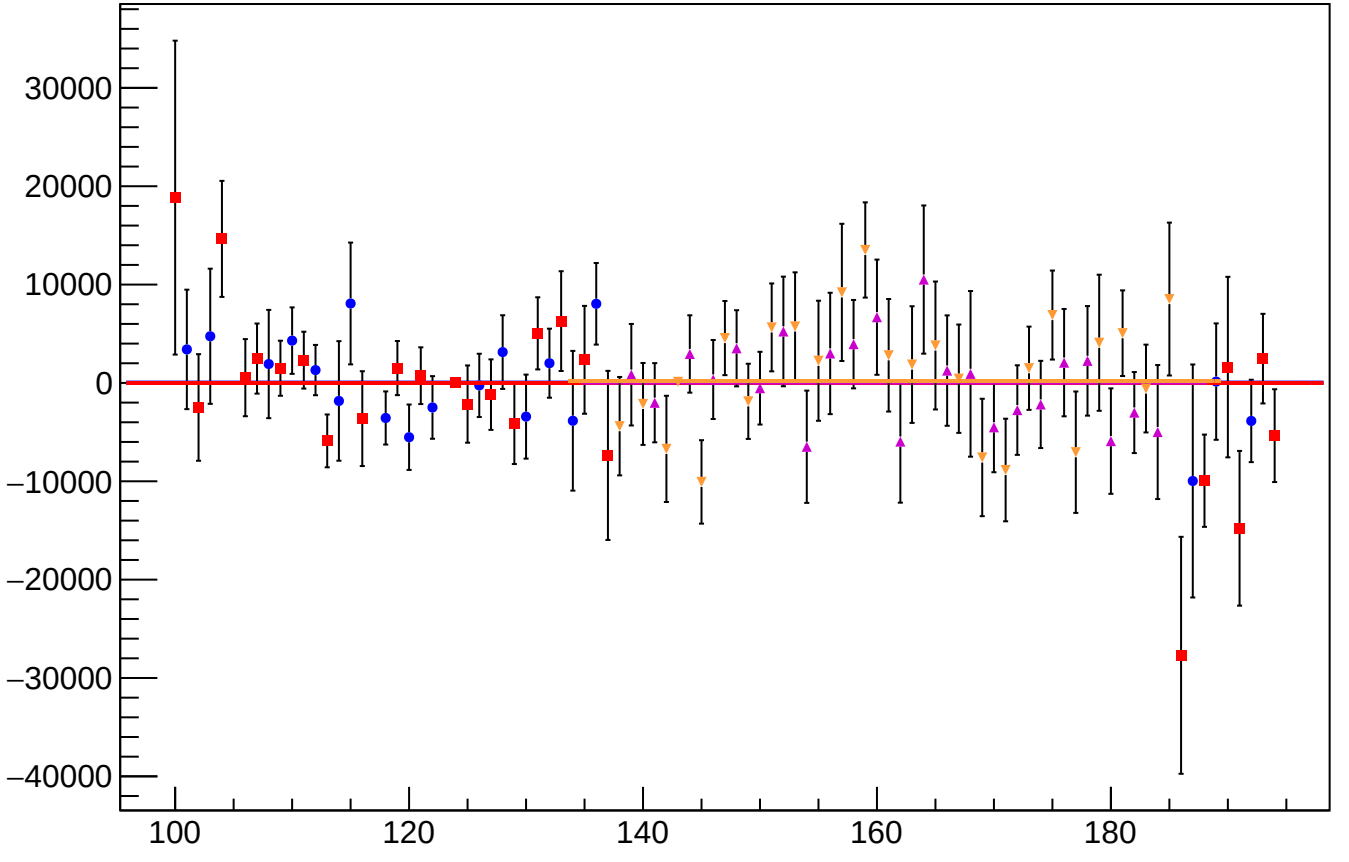
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1685.480+/-0.225 χ^2/NDF: 607718.4/43

All: 1686.898+/-0.158 χ^2/NDF: 1128838.6/91

- sign 1688.264+/-0.221 χ^2/NDF: 521042.3/47

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: -5.783+/-313.062 χ^2/NDF: 35.6/24

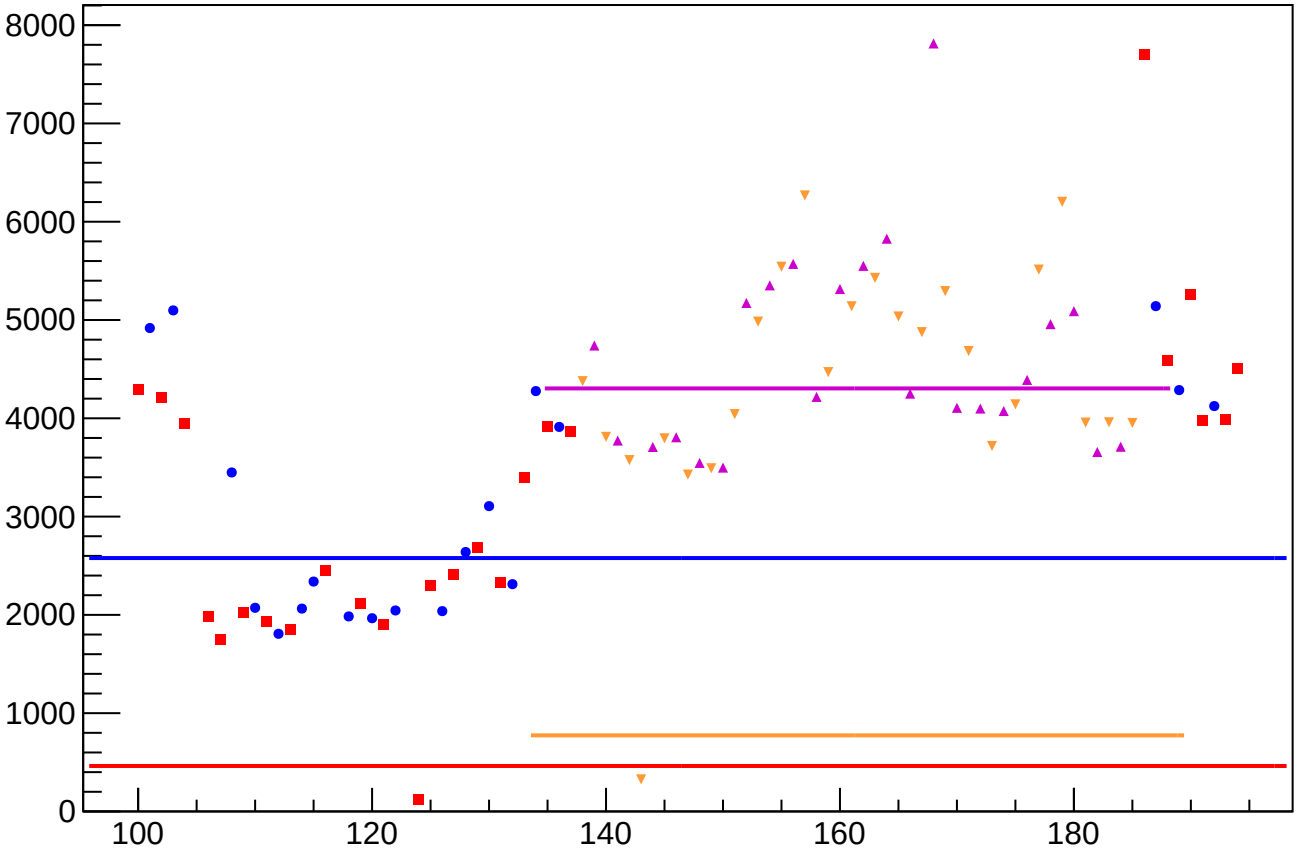
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 174.427+/-321.576 χ^2/NDF: 50.9/43

All: 79.478+/-219.136 χ^2/NDF: 100.0/91

- sign -2.837+/-299.420 χ^2/NDF: 48.9/47

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: 462.741+/-0.221 χ^2/NDF: 17391823.1/24

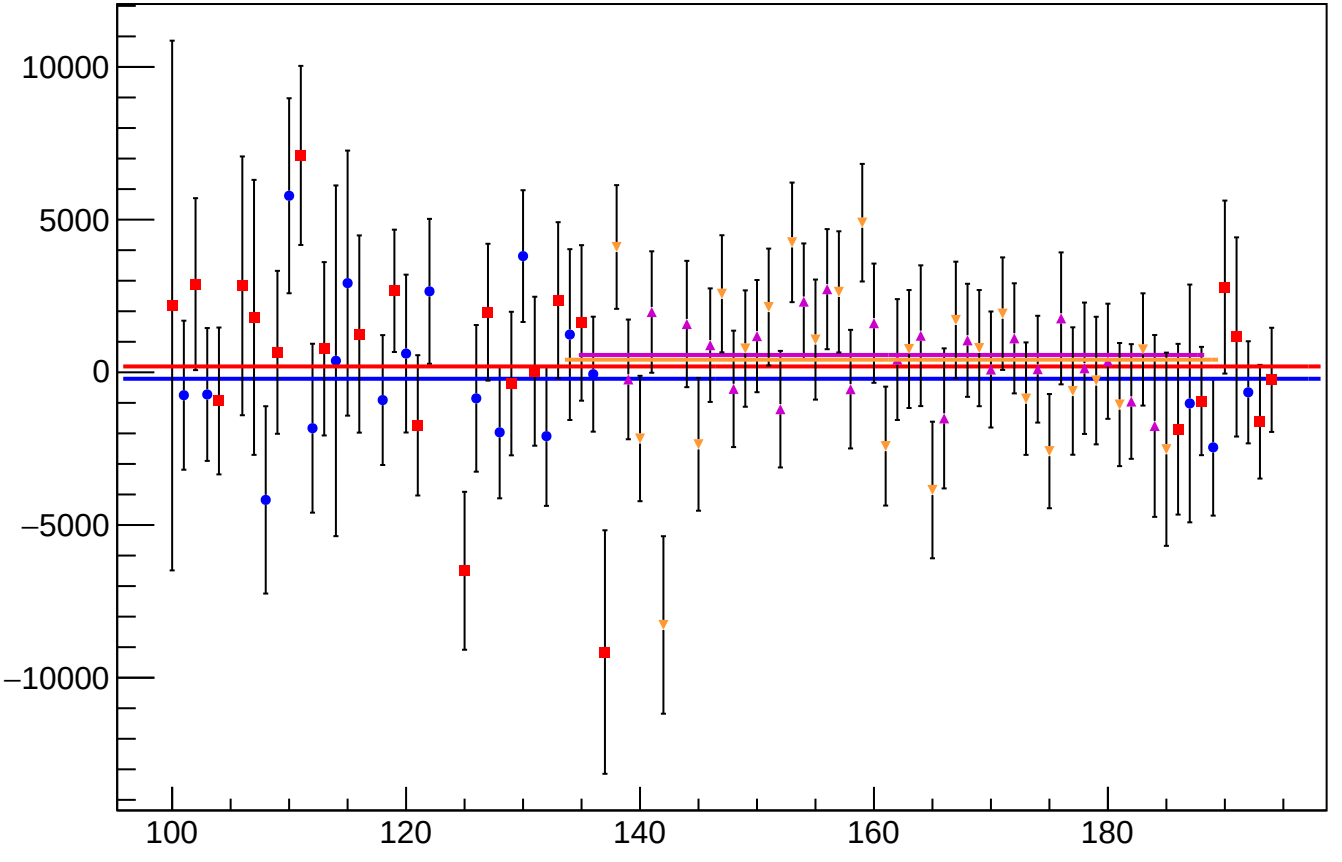
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 993.448+/-0.227 χ^2/NDF: 36841161.9/43

All: 884.591+/-0.155 χ^2/NDF: 81547354.2/91

- sign 790.217+/-0.212 χ^2/NDF: 44278323.4/47

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: 192.536+/-519.963 χ^2/NDF: 26.5/23

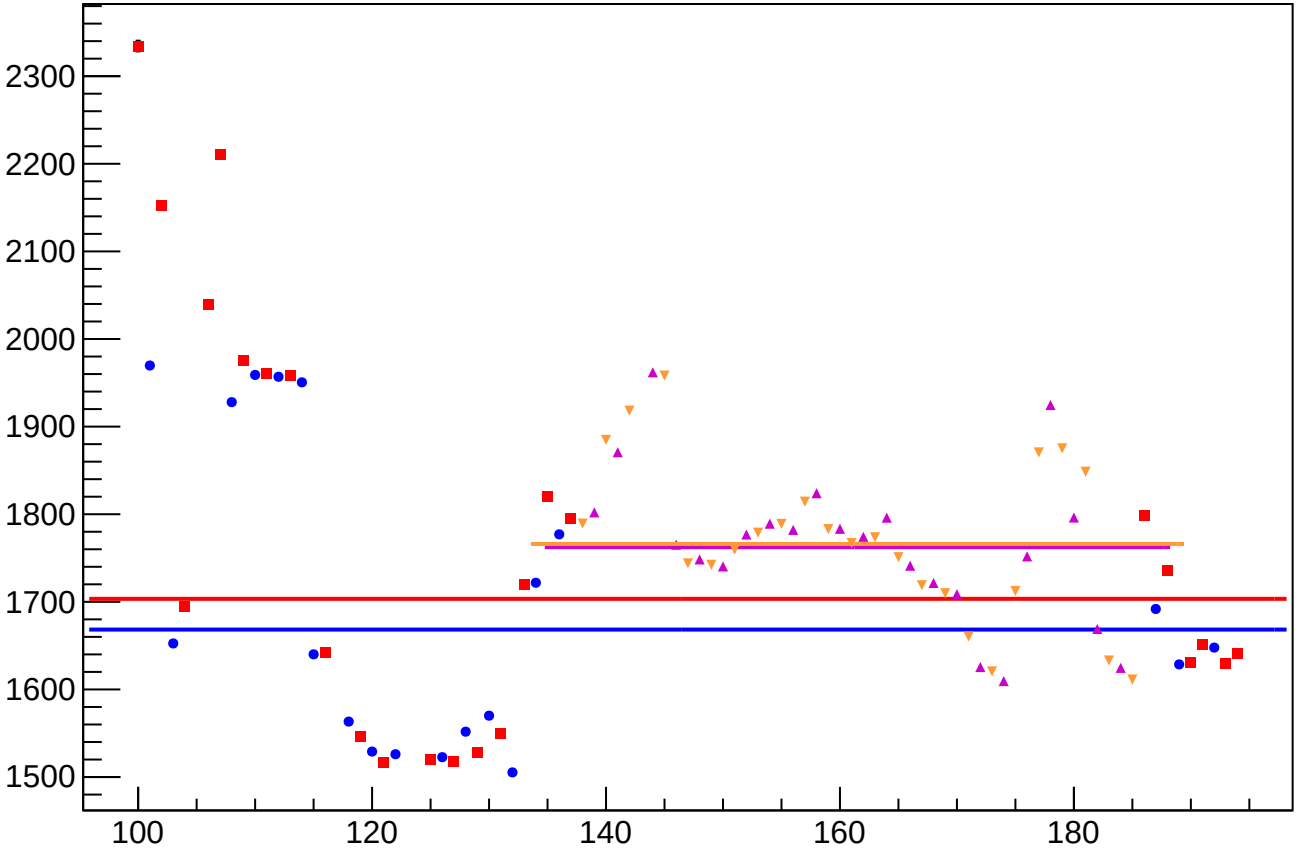
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 195.724+/-331.356 χ^2/NDF: 54.9/42

All: 312.628+/-231.272 χ^2/NDF: 89.7/89

- sign 423.670+/-322.942 χ^2/NDF: 34.5/46

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: 1703.432+/-0.367 χ^2/NDF: 239263.2/23

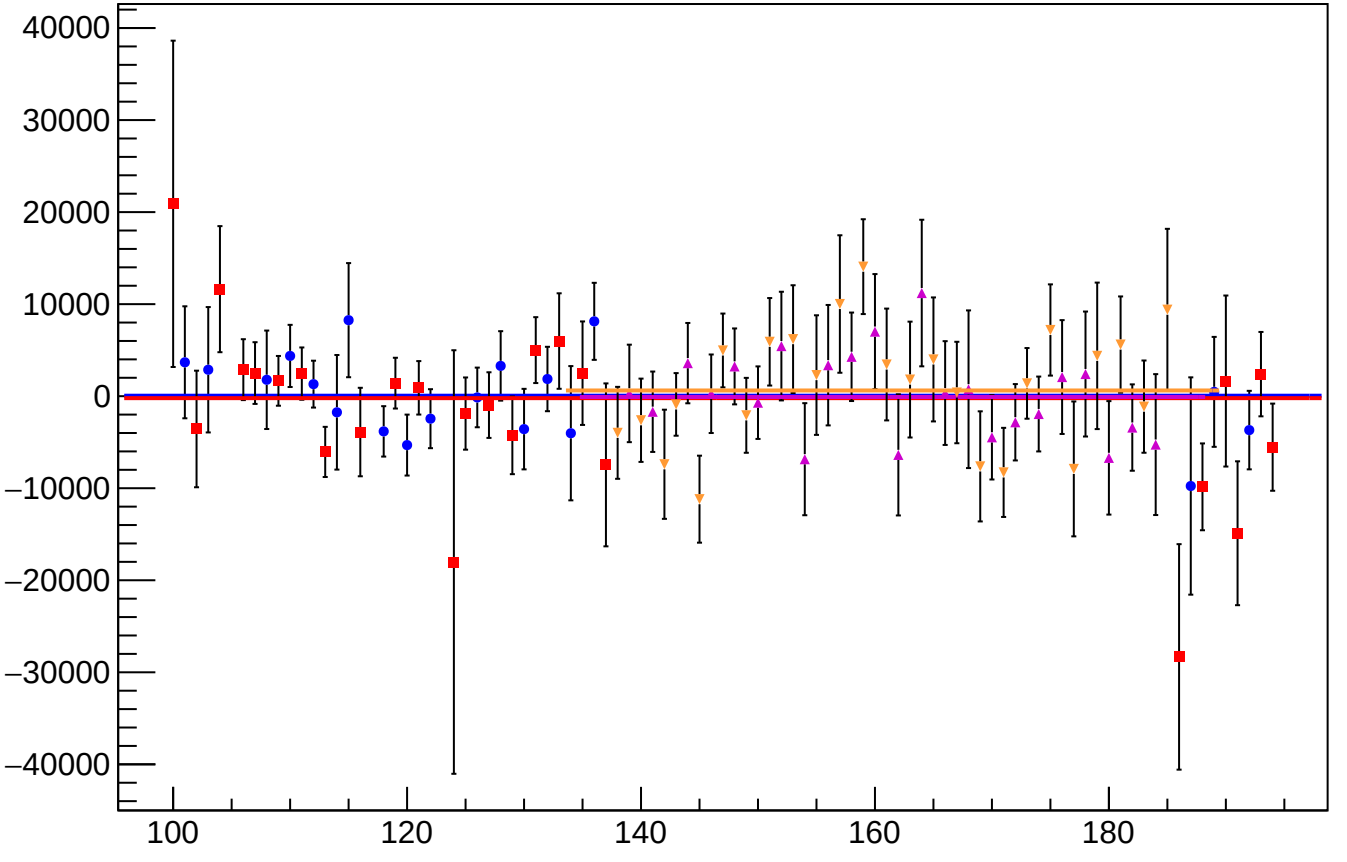
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1732.036+/-0.234 χ^2/NDF: 264823.3/42

All: 1735.925+/-0.163 χ^2/NDF: 600546.5/89

- sign 1739.614+/-0.228 χ^2/NDF: 335186.3/46

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: -213.397+/-830.025 χ^2/NDF: 34.1/24

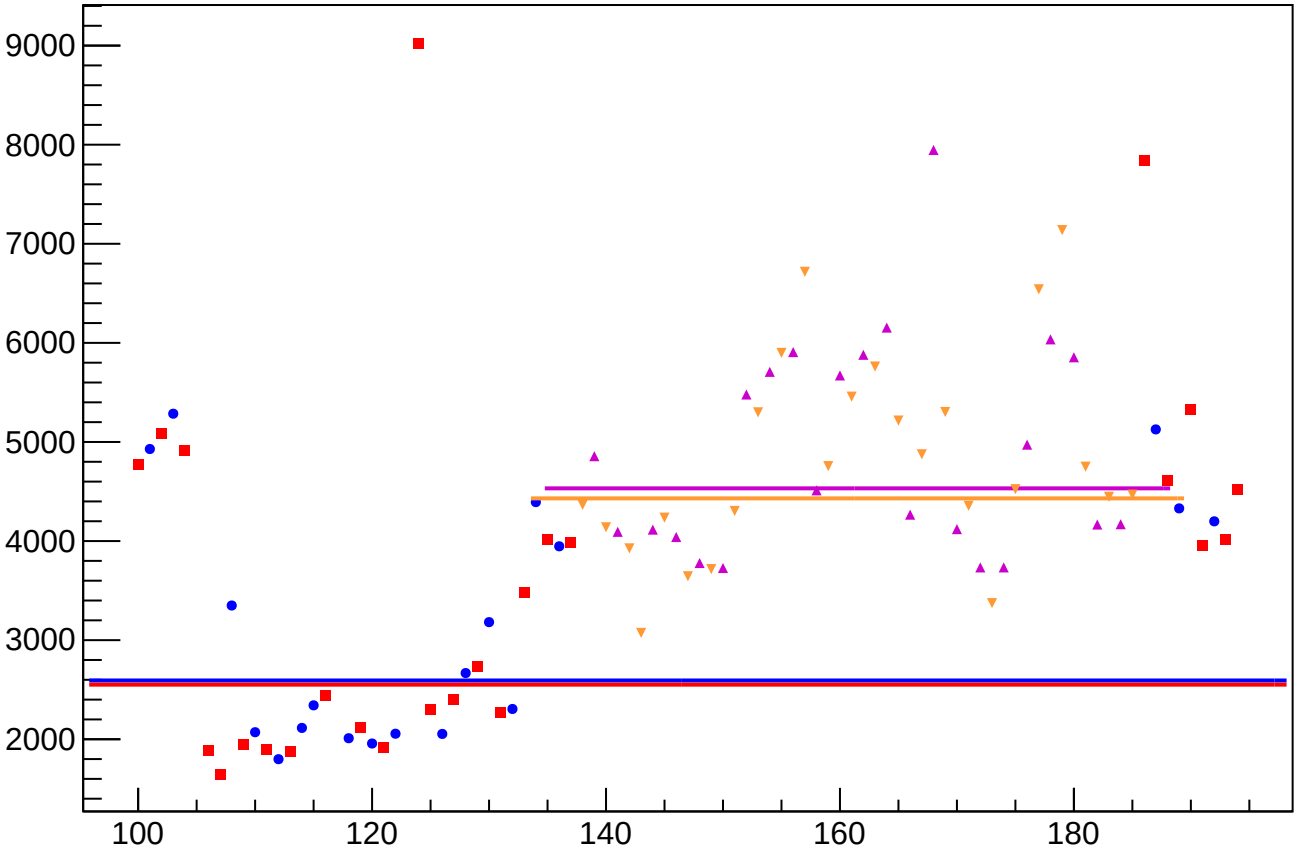
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 304.035+/-690.252 χ^2/NDF: 50.0/43

All: 57.999+/-476.529 χ^2/NDF: 97.2/91

- sign -166.048+/-658.683 χ^2/NDF: 47.0/47

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: 2551.078+/-0.587 χ^2/NDF: 3276661.1/24

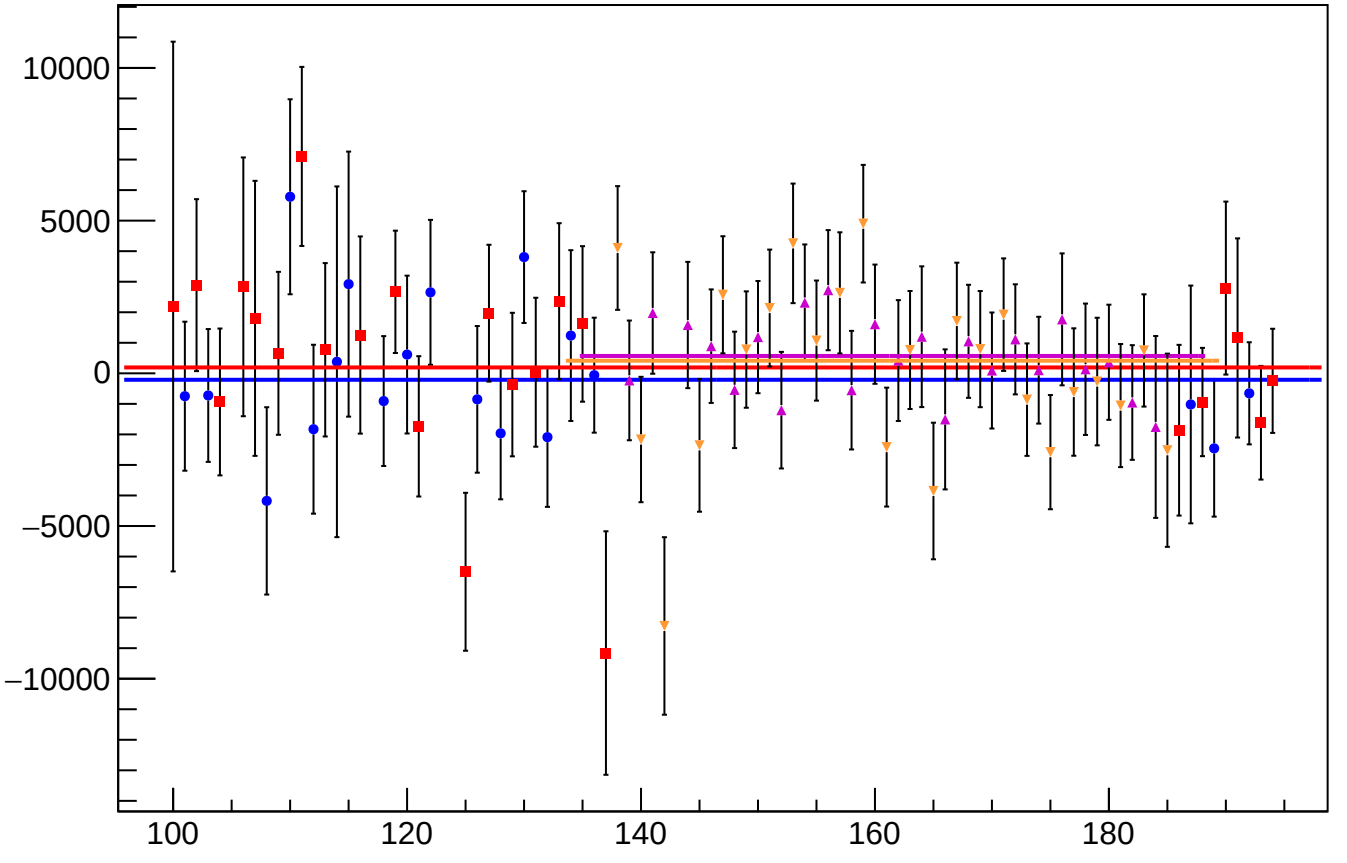
Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3410.917+/-0.488 χ^2/NDF: 7222228.6/43

All: 3344.745+/-0.337 χ^2/NDF: 16127919.1/9

- sign 3284.486+/-0.466 χ^2/NDF: 8870571.2/47

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

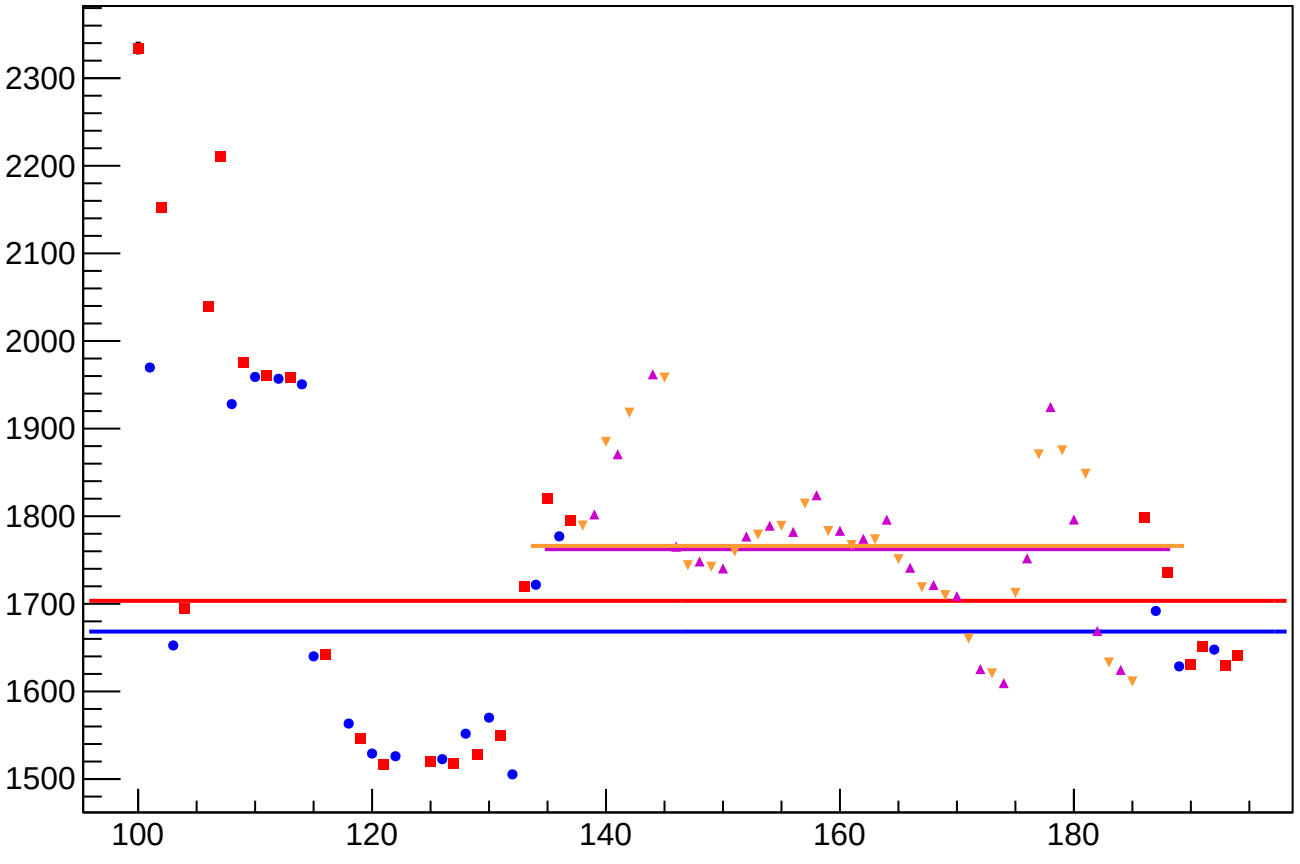
Right Out: 192.537+/-519.963 χ^2/NDF: 26.5/23

Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 195.724+/-331.356 χ^2/NDF: 54.9/42

All: 312.628+/-231.272 χ^2/NDF: 89.7/89

- sign 423.670+/-322.942 χ^2/NDF: 34.5/46



Right In: 1668.337+/-0.397 χ^2/NDF: 142028.8/18

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1703.431+/-0.367 χ^2/NDF: 239262.3/23

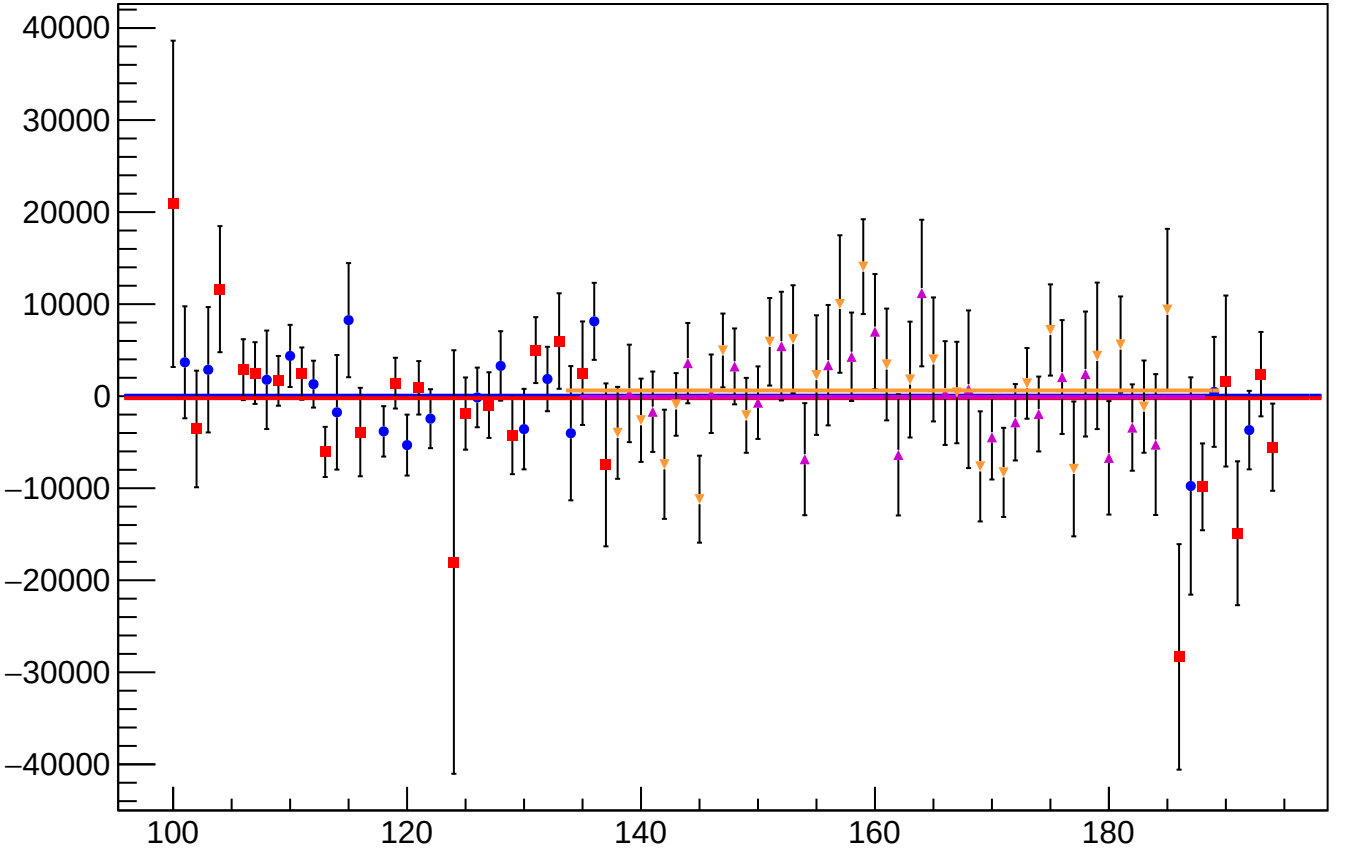
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1732.036+/-0.234 χ^2/NDF: 264827.3/42

All: 1735.925+/-0.163 χ^2/NDF: 600552.9/89

- sign 1739.615+/-0.228 χ^2/NDF: 335188.8/46

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: -213.391+/-830.023 χ^2/NDF: 34.1/24

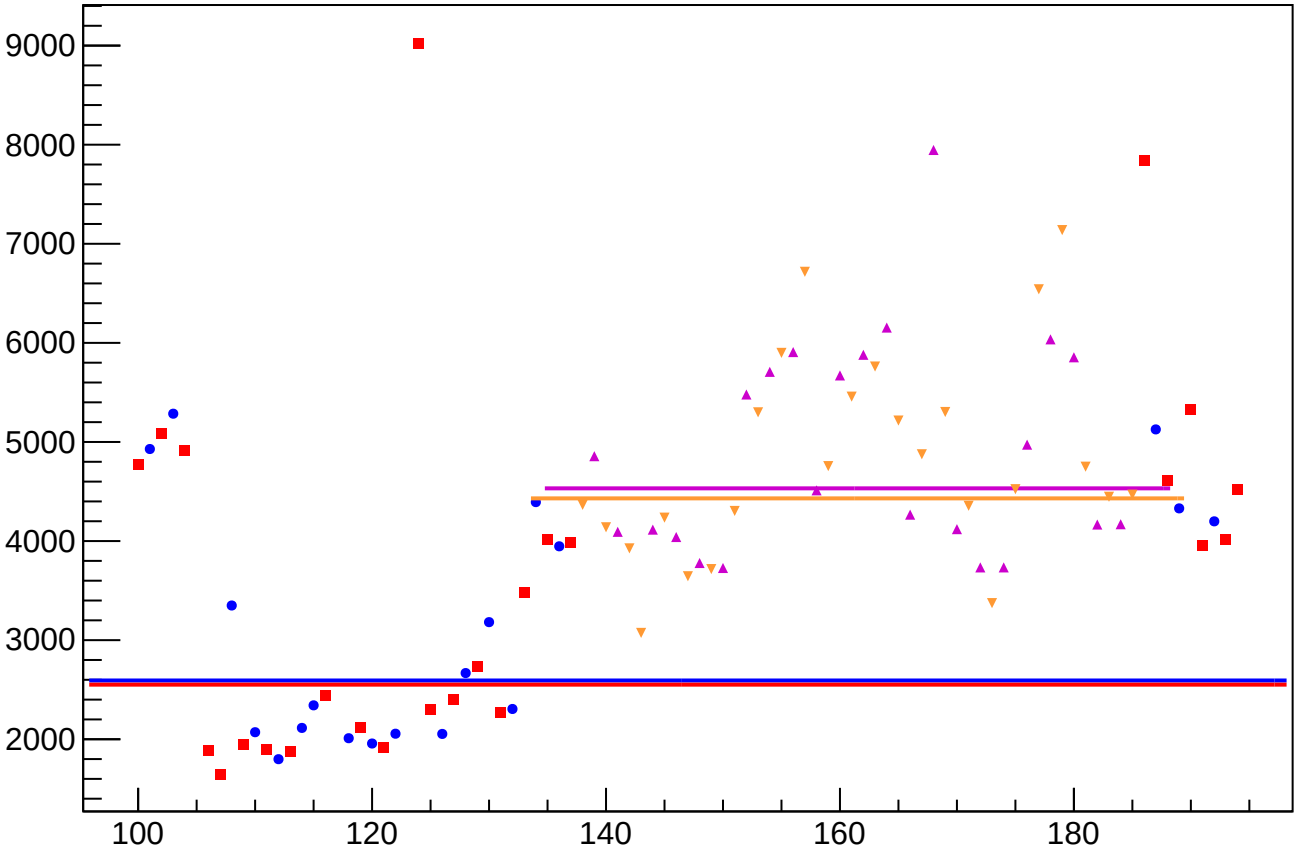
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 304.034+/-690.251 χ^2/NDF: 50.0/43

All: 58.000+/-476.528 χ^2/NDF: 97.2/91

- sign -166.044+/-658.682 χ^2/NDF: 47.0/47

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: 2551.069+/-0.587 χ^2/NDF: 3276687.6/24

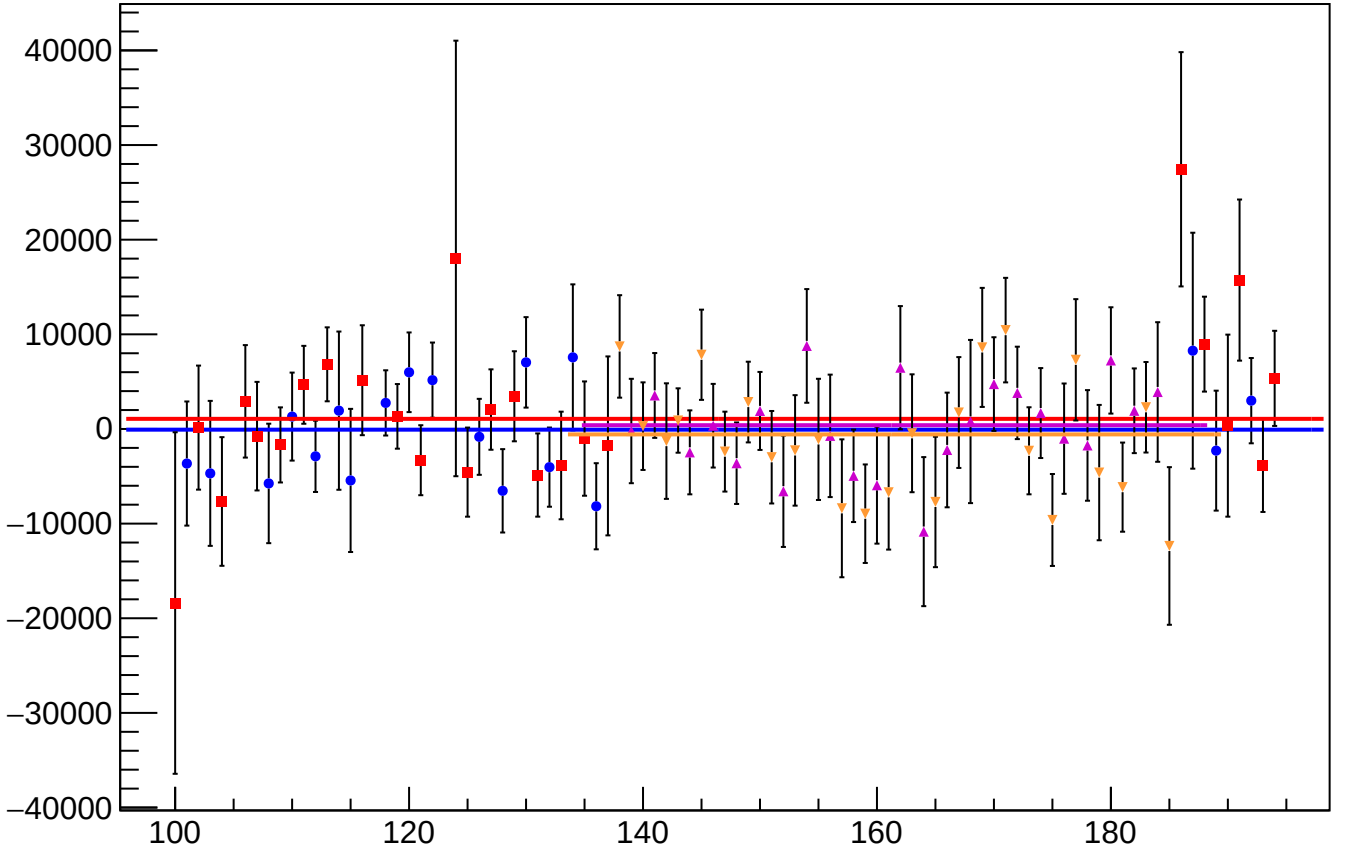
Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3410.910+/-0.488 χ^2/NDF: 7222326.0/43

All: 3344.737+/-0.337 χ^2/NDF: 16128113.0/9

- sign 3284.479+/-0.466 χ^2/NDF: 8870667.9/47

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: 1069.921+/-1052.295 χ^2/NDF: 25.1/24

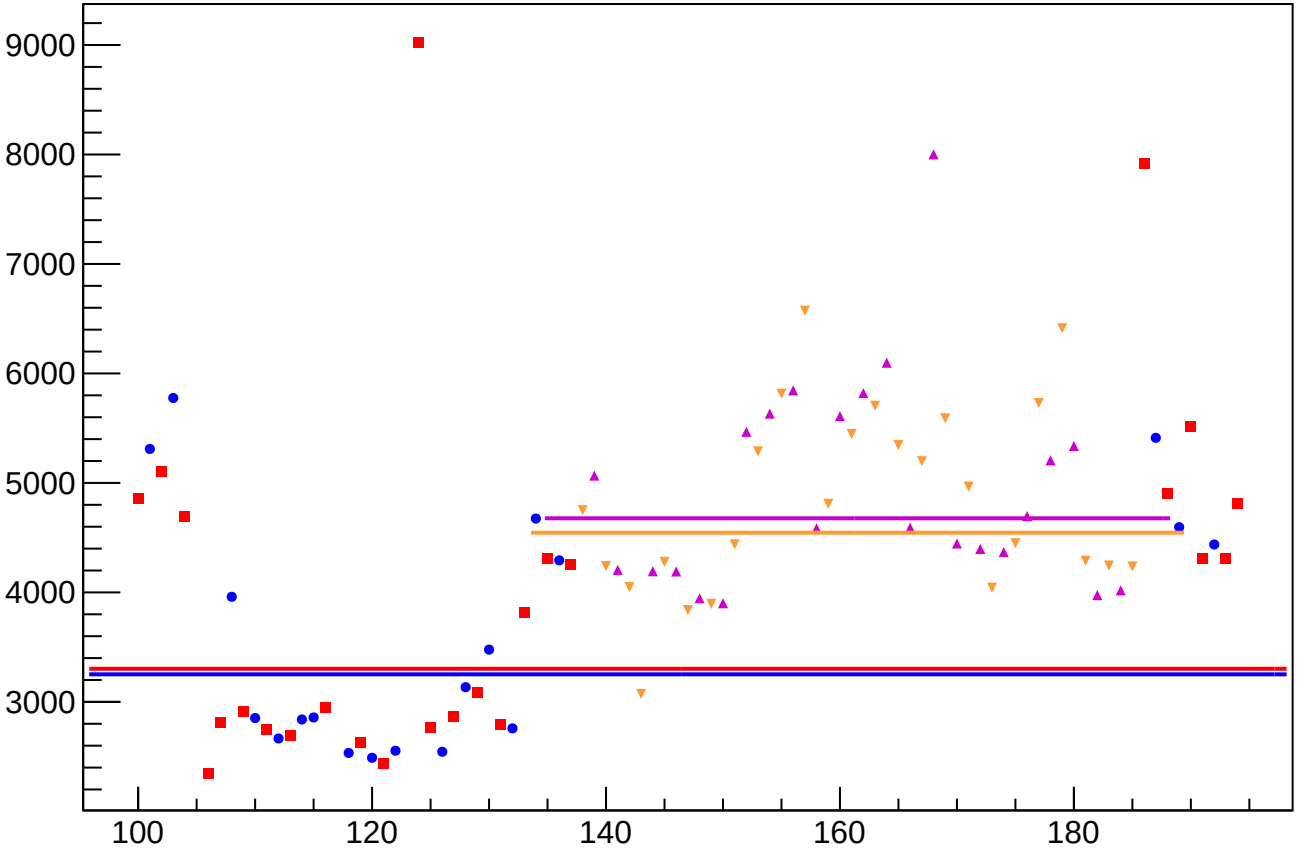
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

\+ sign -341.085+/-772.238 χ^2/NDF: 46.5/43

All: 211.632+/-542.941 χ^2/NDF: 86.9/91

\- sign 751.917+/-763.504 χ^2/NDF: 39.3/47

asym_atl_dd_rms vs Slug



Right In: 3251.792+/-0.802 χ^2/NDF: 1284332.4/18

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

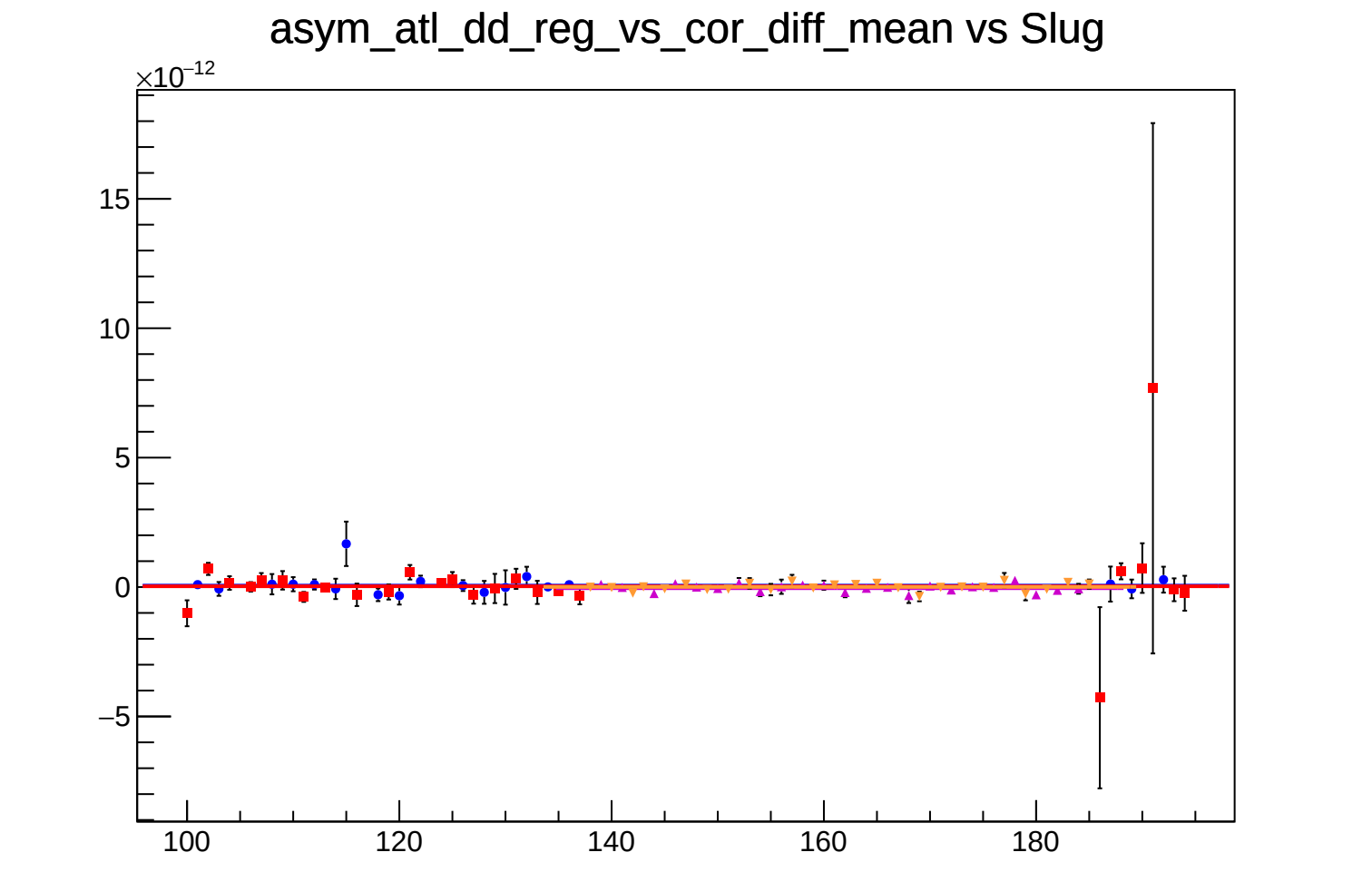
Right Out: 3302.448+/-0.736 χ^2/NDF: 1827447.4/24

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

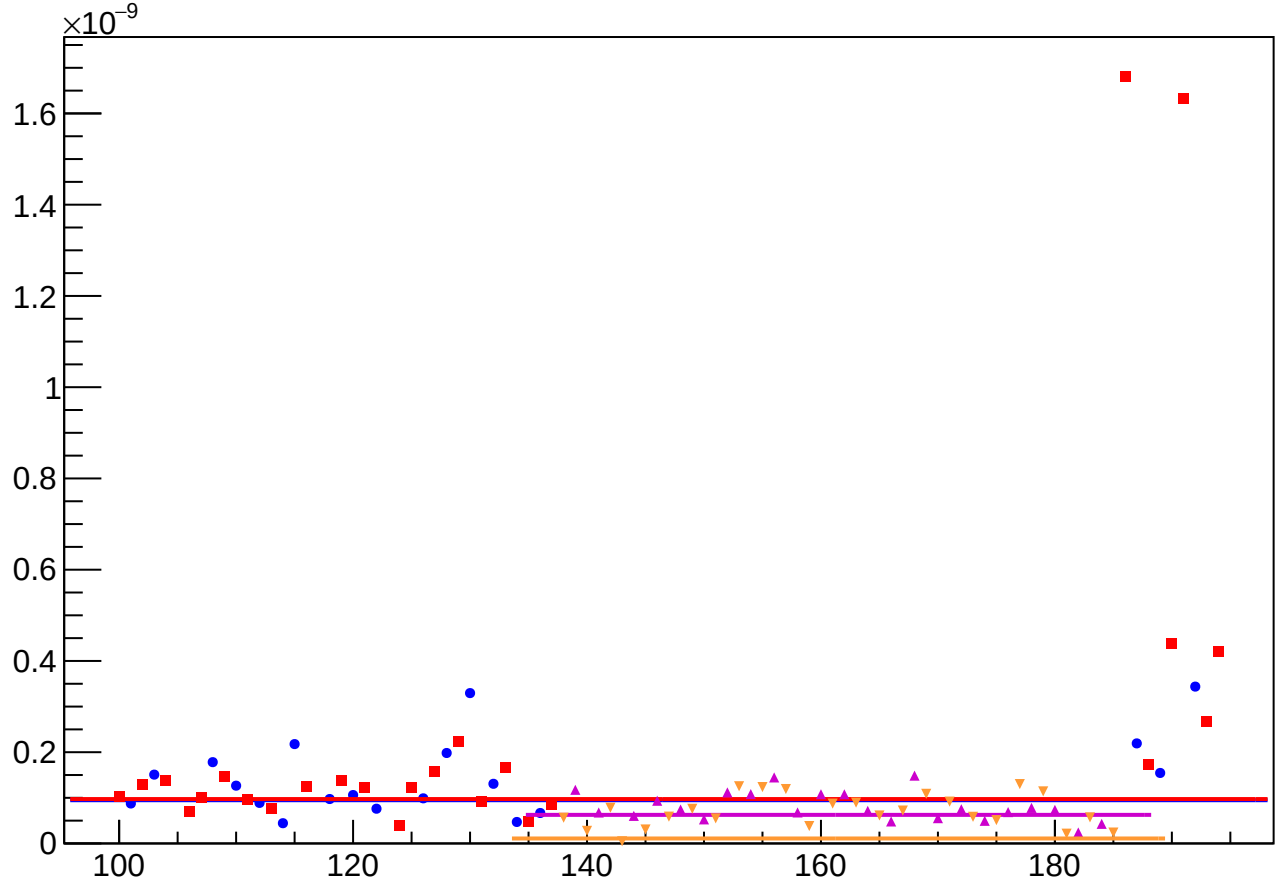
\+ sign 3945.164+/-0.546 χ^2/NDF: 3938854.2/43

All: 3945.408+/-0.383 χ^2/NDF: 8359684.2/91

\- sign 3945.644+/-0.537 χ^2/NDF: 4420829.6/47


asym_atl_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
15
10
5
0
−5
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 9.7/18
Left Out: 0.000+/-0.000 χ²/NDF:18.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 36.5/24
Left In: -0.000+/-0.000 χ²/NDF:20.6/22
+ sign 0.000+/-0.000 χ²/NDF: 28.7/43
All: 0.000+/-0.000 χ²/NDF: 89.3/91
- sign -0.000+/-0.000 χ²/NDF: 58.6/47

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1585696.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2644765.5/24

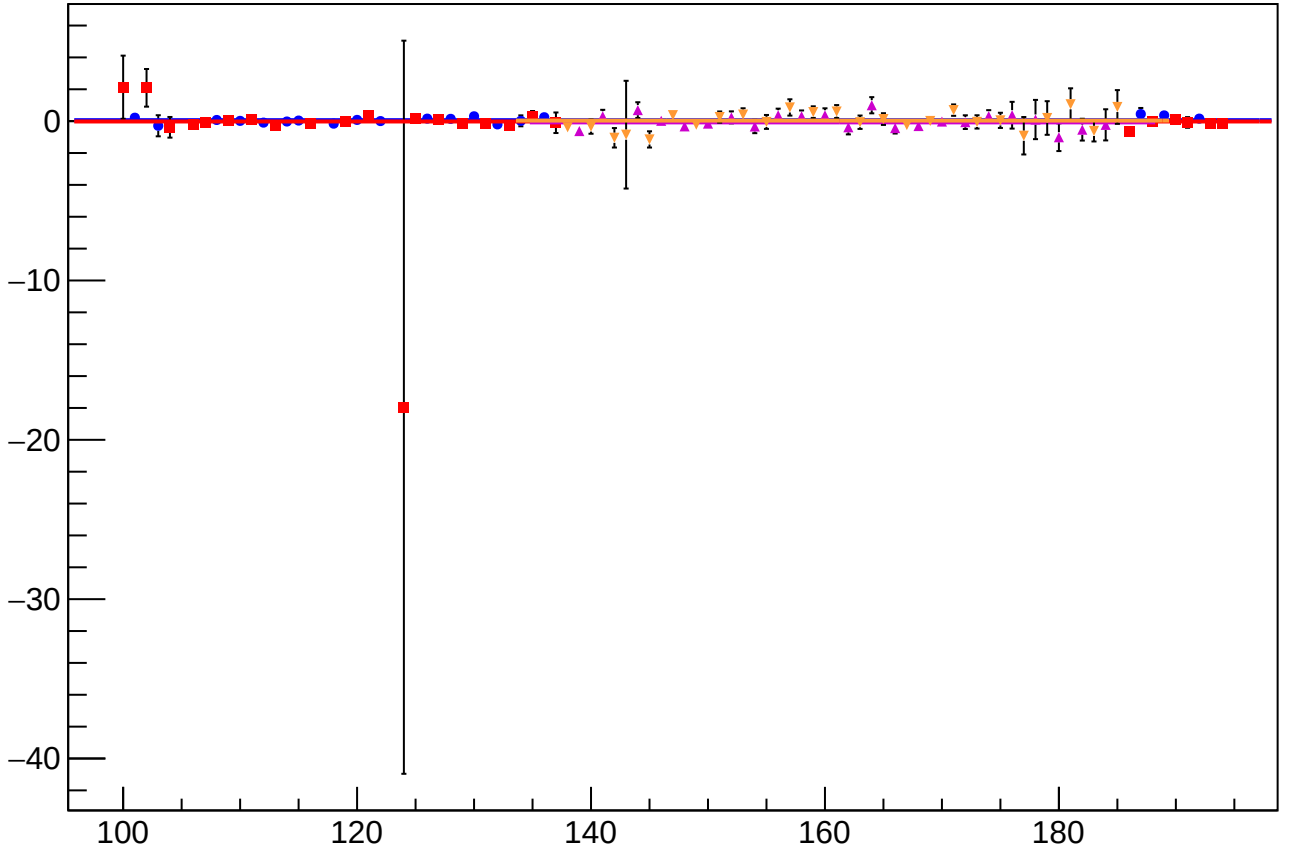
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15794071.6/43

All: 0.000+/-0.000 χ^2/NDF: 31473998.3/91

- sign 0.000+/-0.000 χ^2/NDF: 5400982.1/47

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: -0.021+/-0.036 χ^2/NDF: 29.3/24

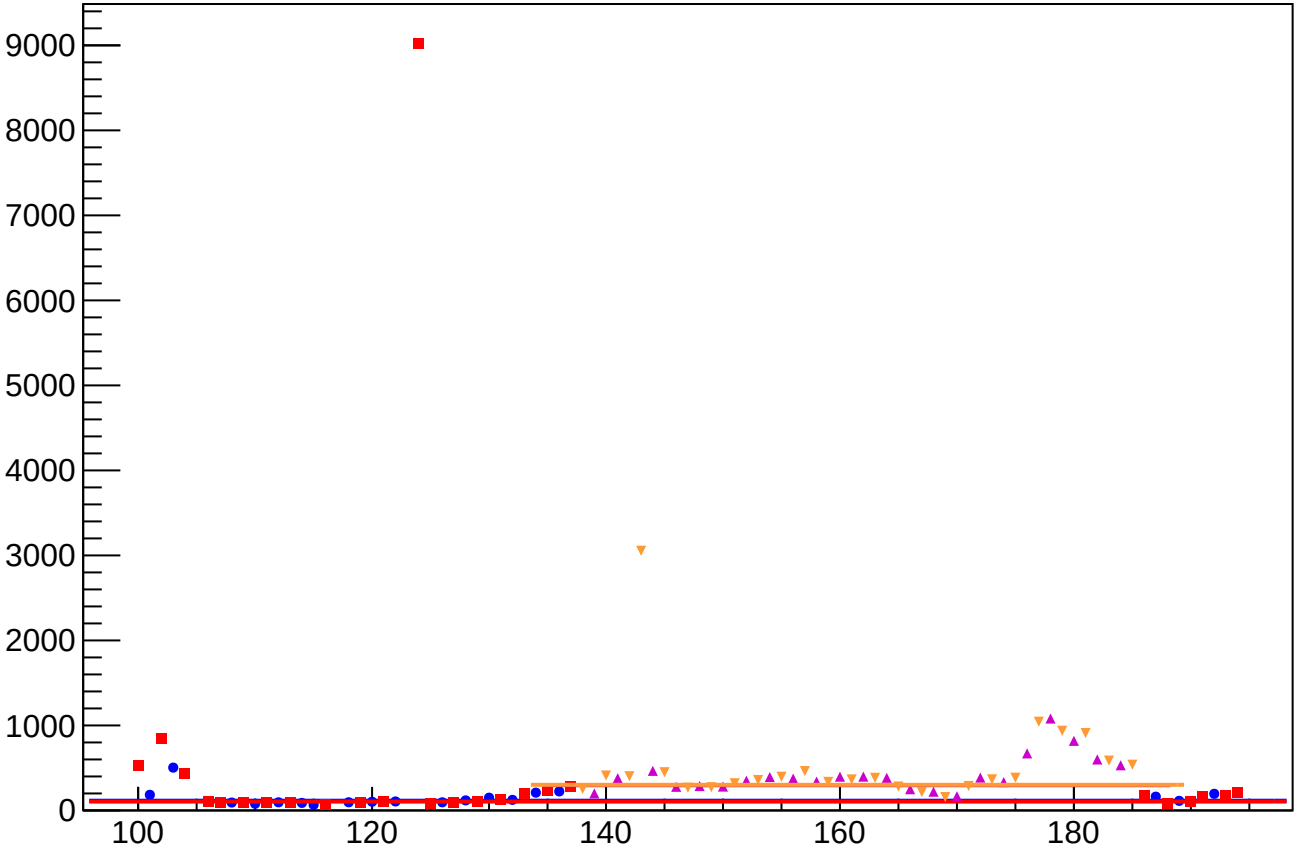
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.056+/-0.037 χ^2/NDF: 43.9/43

All: 0.007+/-0.024 χ^2/NDF: 100.9/91

- sign -0.031+/-0.032 χ^2/NDF: 53.9/47

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: 104.515+/-0.025 χ^2/NDF: 3690115.9/24

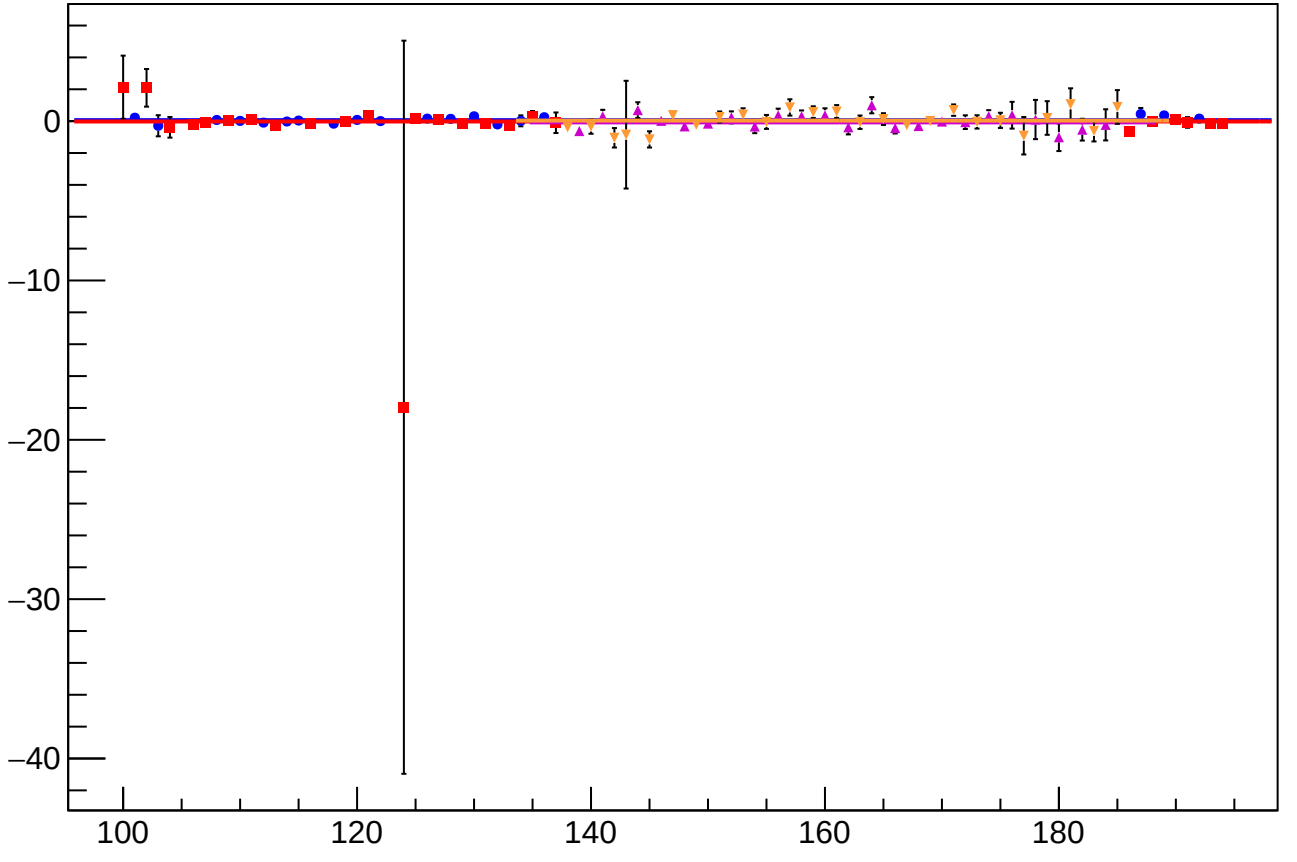
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 158.073+/-0.026 χ^2/NDF: 18076908.3/43

All: 147.777+/-0.017 χ^2/NDF: 37484905.7/91

- sign 139.895+/-0.023 χ^2/NDF: 19136373.6/47

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: -0.021+/-0.036 χ^2/NDF: 29.3/24

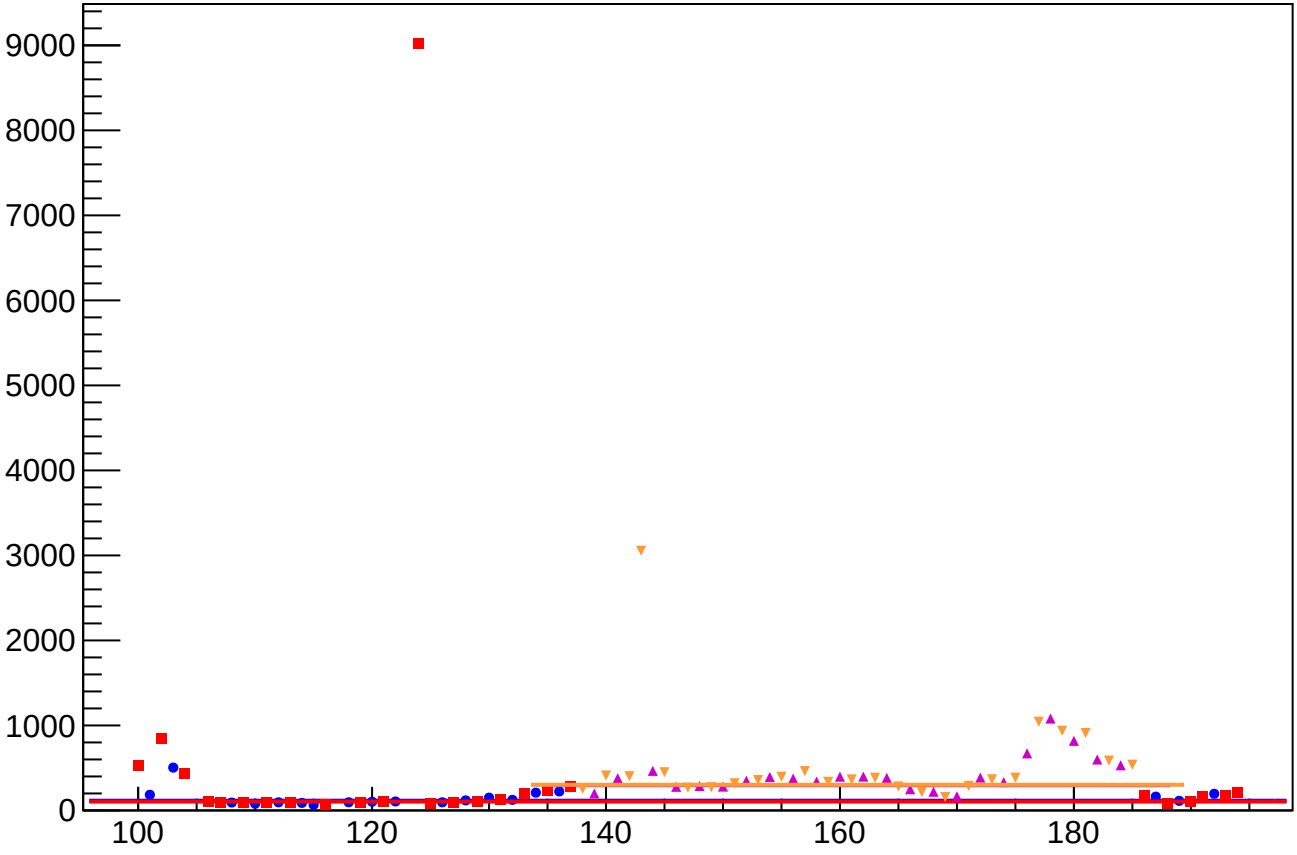
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.056+/-0.037 χ^2/NDF: 43.9/43

All: 0.007+/-0.024 χ^2/NDF: 100.9/91

- sign -0.031+/-0.032 χ^2/NDF: 53.9/47

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

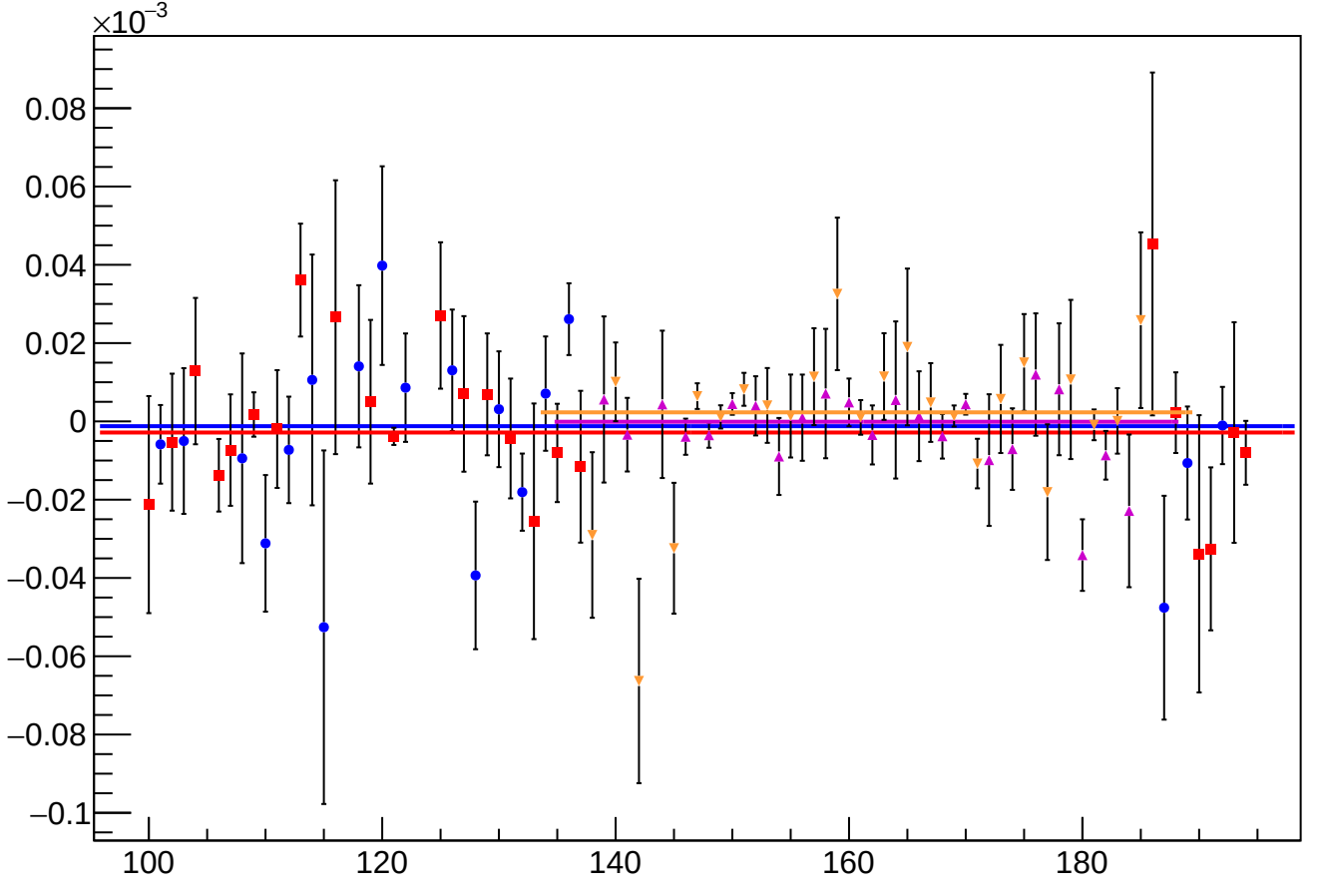
Right Out: 104.515+/-0.025 χ^2/NDF: 3690115.9/24

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 158.073+/-0.026 χ^2/NDF: 18076908.3/43

All: 147.777+/-0.017 χ^2/NDF: 37484905.7/91

- sign 139.895+/-0.023 χ^2/NDF: 19136373.6/47



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: 20.5/23

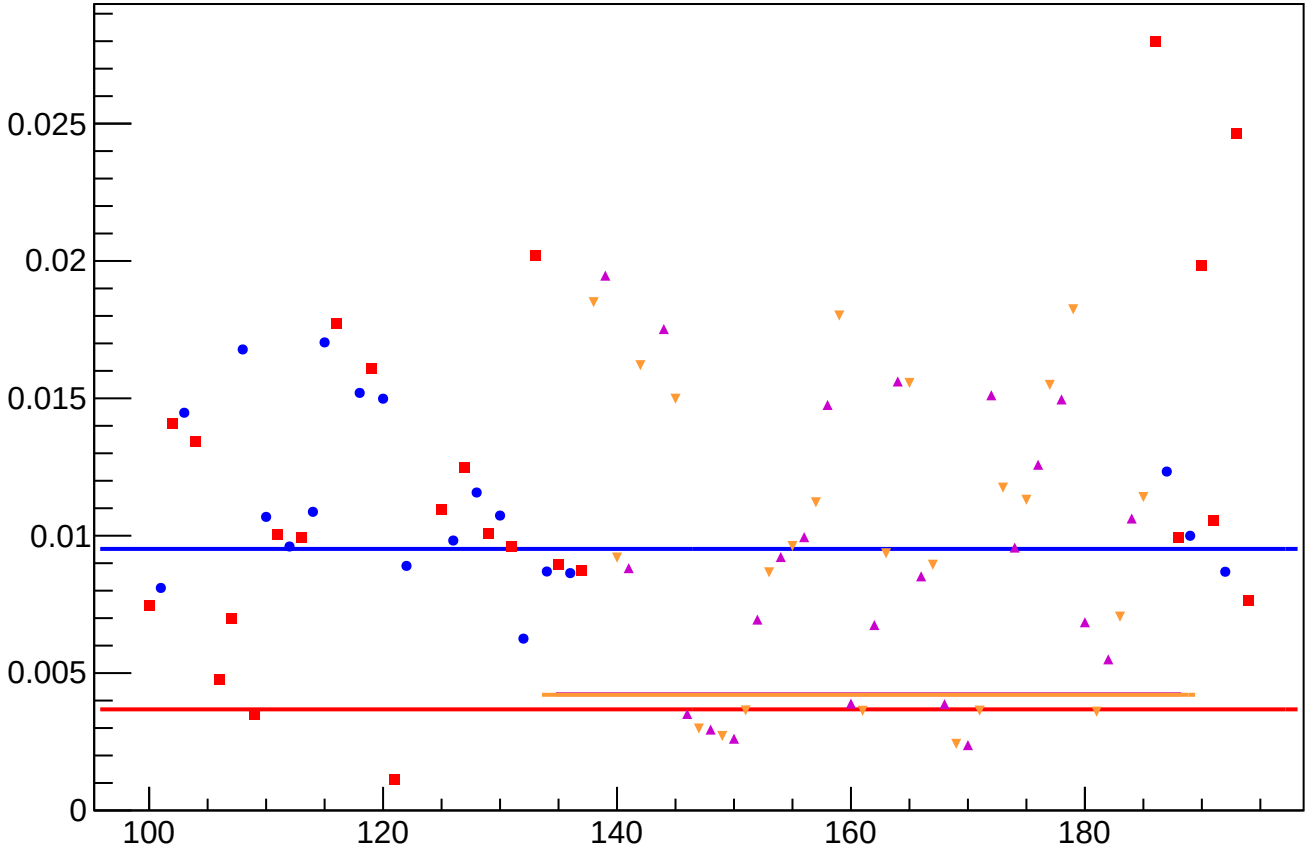
Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.9/42

All: 0.000+/-0.000 χ^2/NDF: 115.6/89

- sign -0.000+/-0.000 χ^2/NDF: 51.2/46

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 962030.1/18

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 11910811.9/23

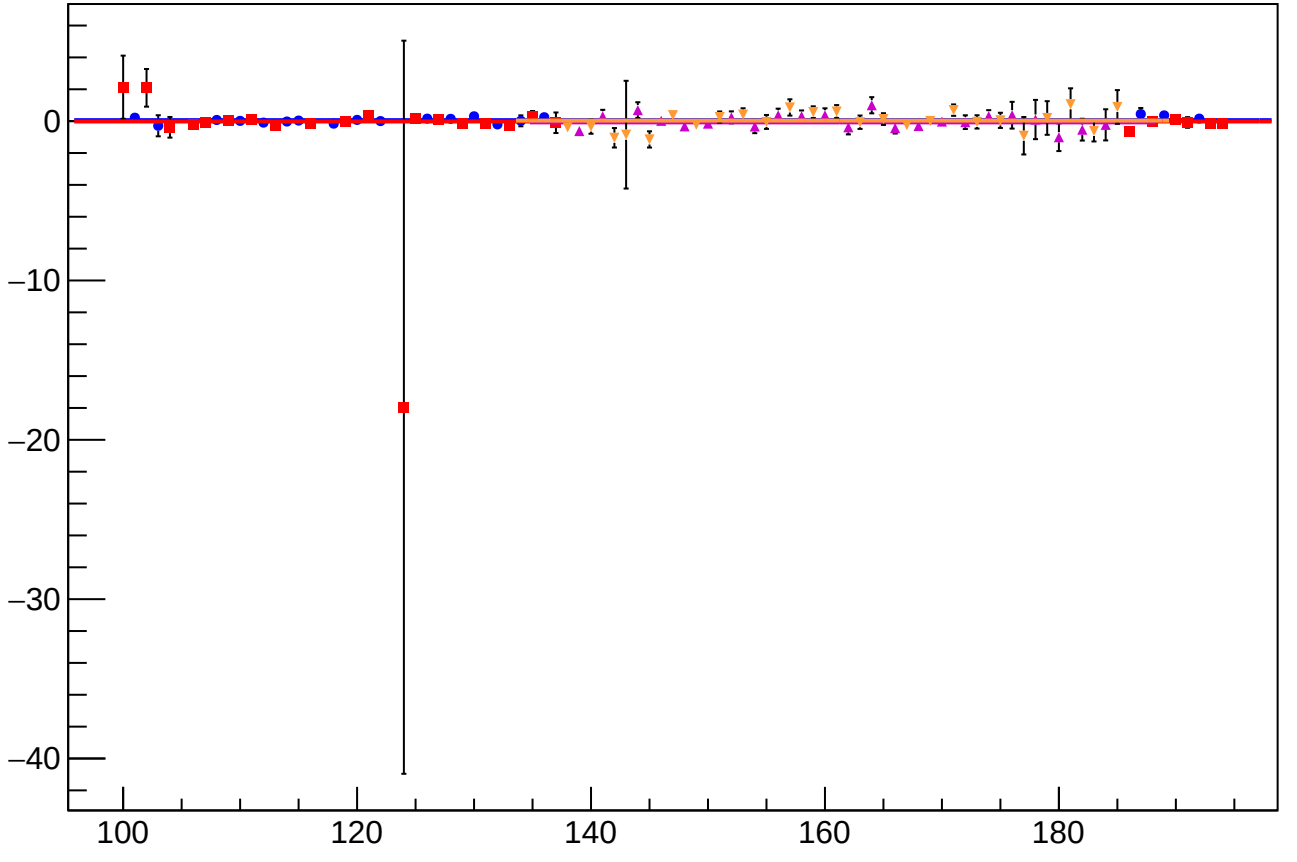
Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 17410543.6/42

All: 0.004+/-0.000 χ^2/NDF: 41029562.2/89

- sign 0.004+/-0.000 χ^2/NDF: 23074661.6/46

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: -0.021+/-0.036 χ^2/NDF: 29.3/24

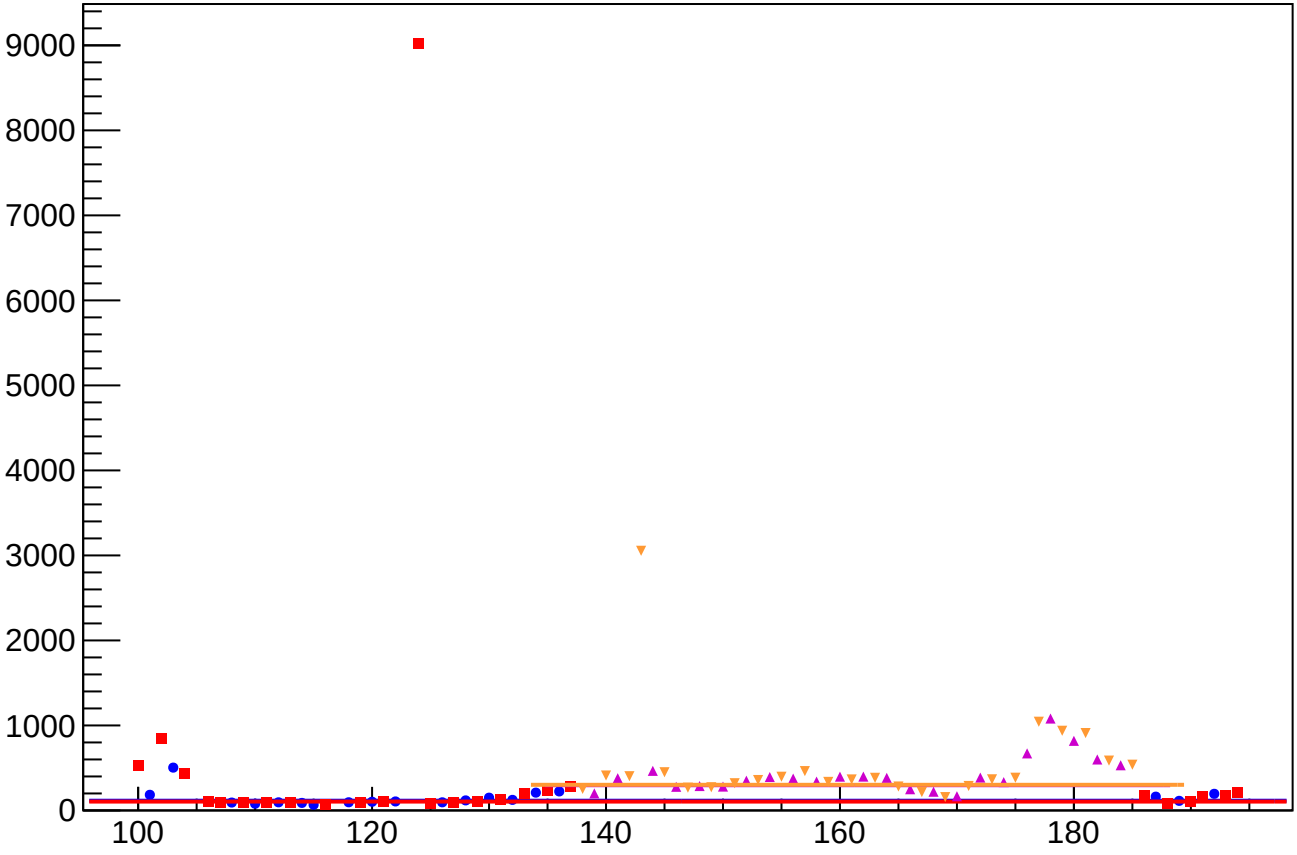
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.056+/-0.037 χ^2/NDF: 43.9/43

All: 0.007+/-0.024 χ^2/NDF: 100.9/91

- sign -0.031+/-0.032 χ^2/NDF: 53.9/47

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

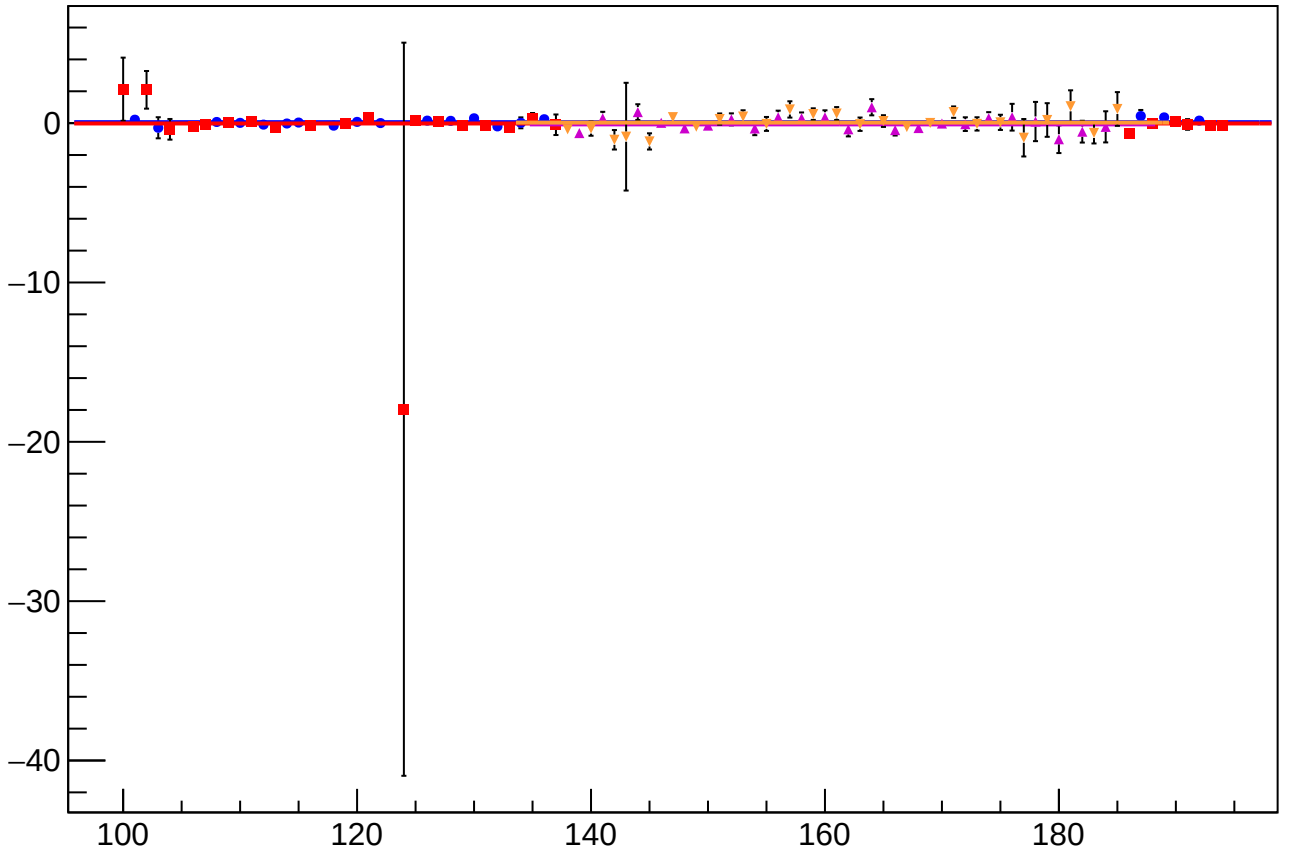
Right Out: 104.515+/-0.025 χ^2/NDF: 3689990.0/24

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 158.074+/-0.026 χ^2/NDF: 18076947.6/43

All: 147.777+/-0.017 χ^2/NDF: 37484855.1/91

- sign 139.895+/-0.023 χ^2/NDF: 19136300.2/47



Right In: 0.062+/-0.042 χ^2/NDF: 14.1/18

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

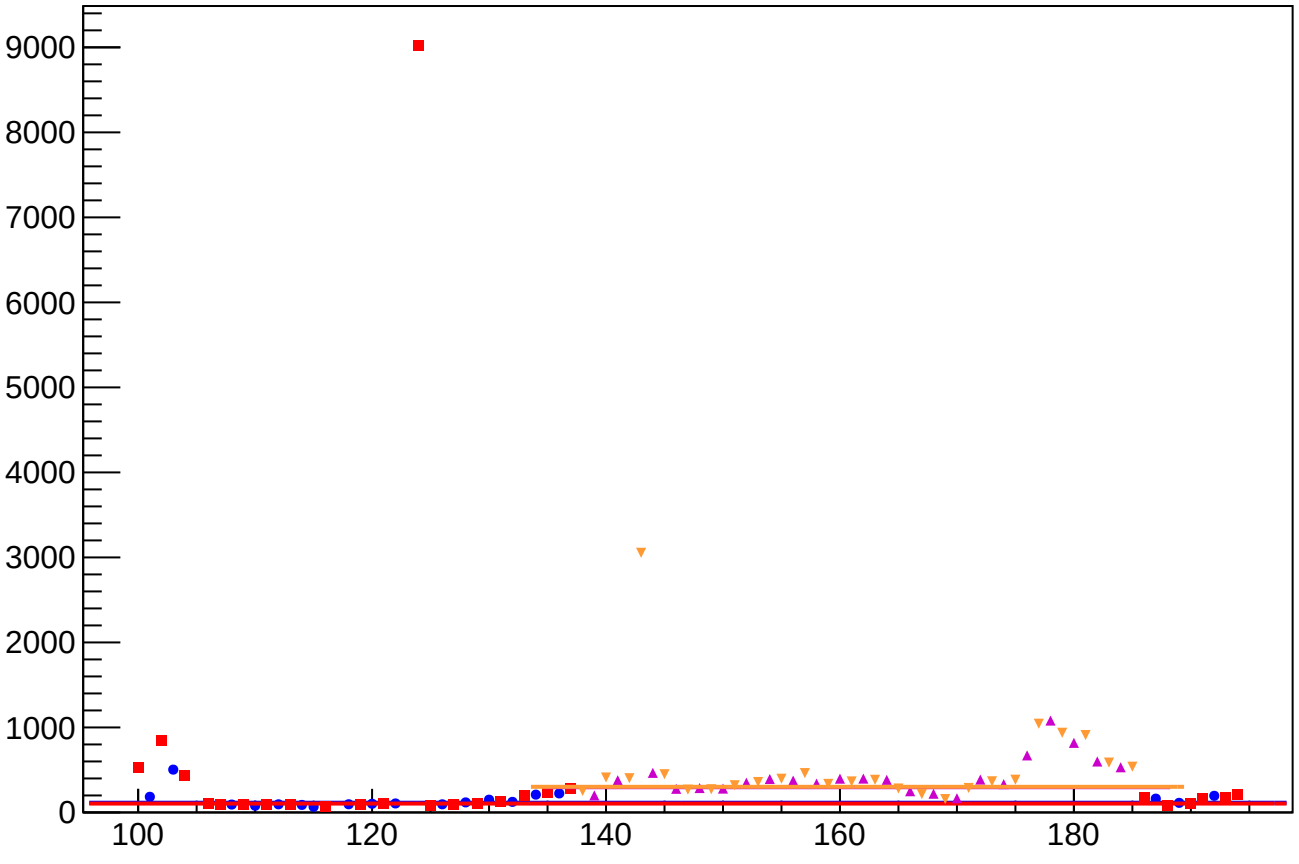
Right Out: -0.021+/-0.036 χ^2/NDF: 29.3/24

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.056+/-0.037 χ^2/NDF: 43.9/43

All: 0.007+/-0.024 χ^2/NDF: 100.9/91

- sign -0.031+/-0.032 χ^2/NDF: 53.9/47



Right In: 114.467+/-0.030 χ^2/NDF: 2292249.4/18

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

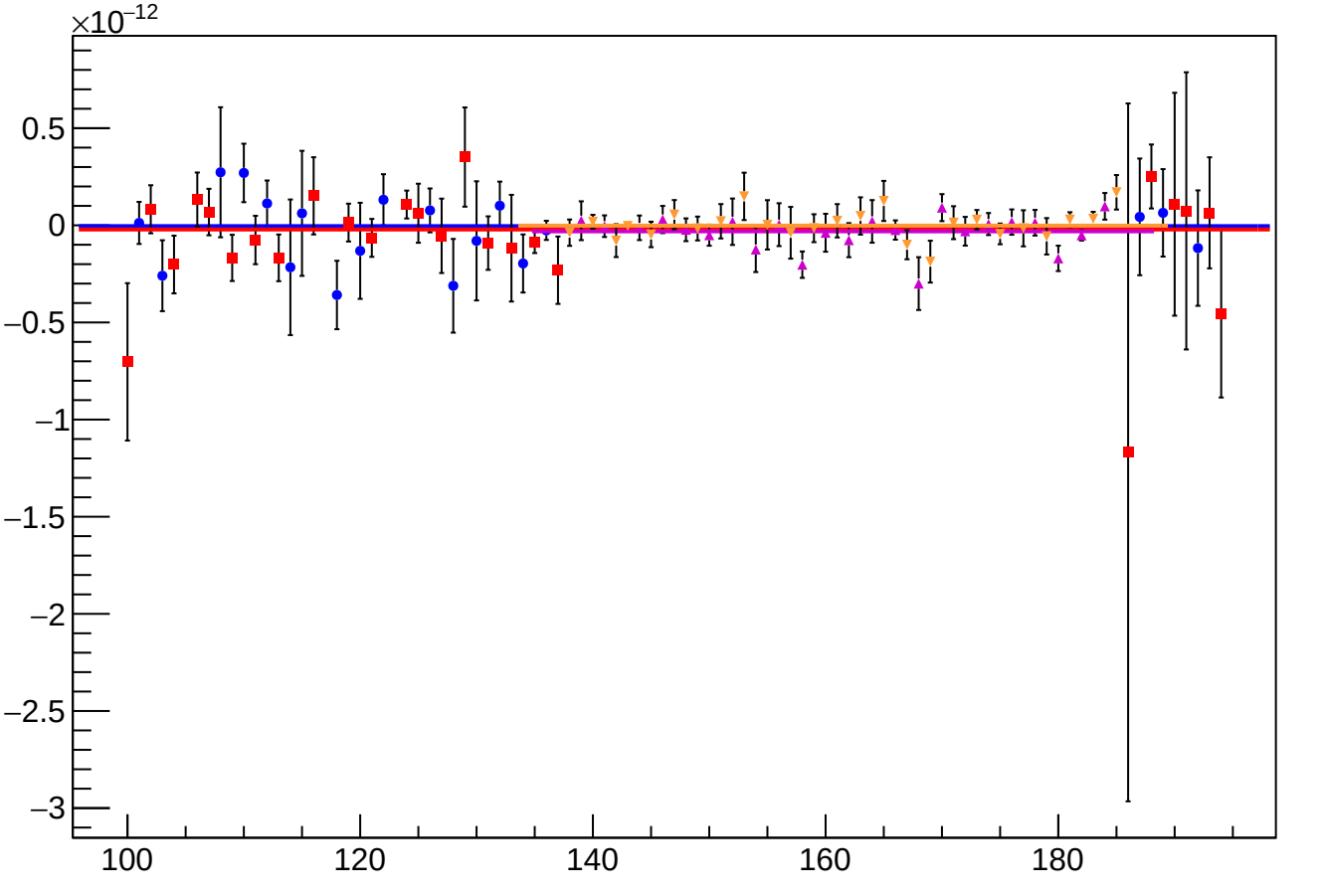
Right Out: 104.515+/-0.025 χ^2/NDF: 3689990.0/24

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 158.074+/-0.026 χ^2/NDF: 18076947.6/43

All: 147.777+/-0.017 χ^2/NDF: 37484855.1/91

- sign 139.895+/-0.023 χ^2/NDF: 19136300.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

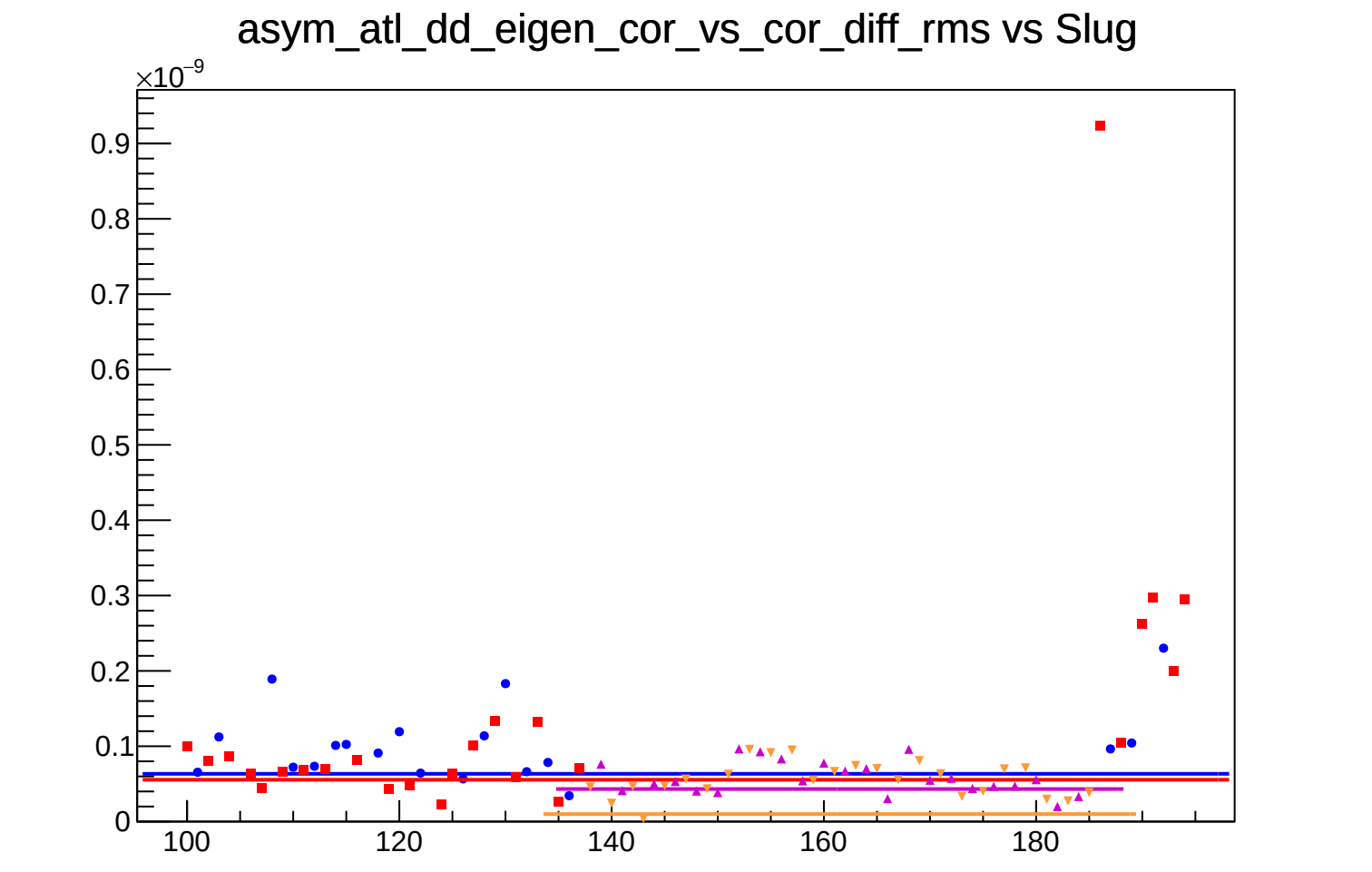
Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/24

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/43

All: -0.000+/-0.000 χ^2/NDF: 90.4/91

- sign -0.000+/-0.000 χ^2/NDF: 50.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 2485138.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3975903.6/24

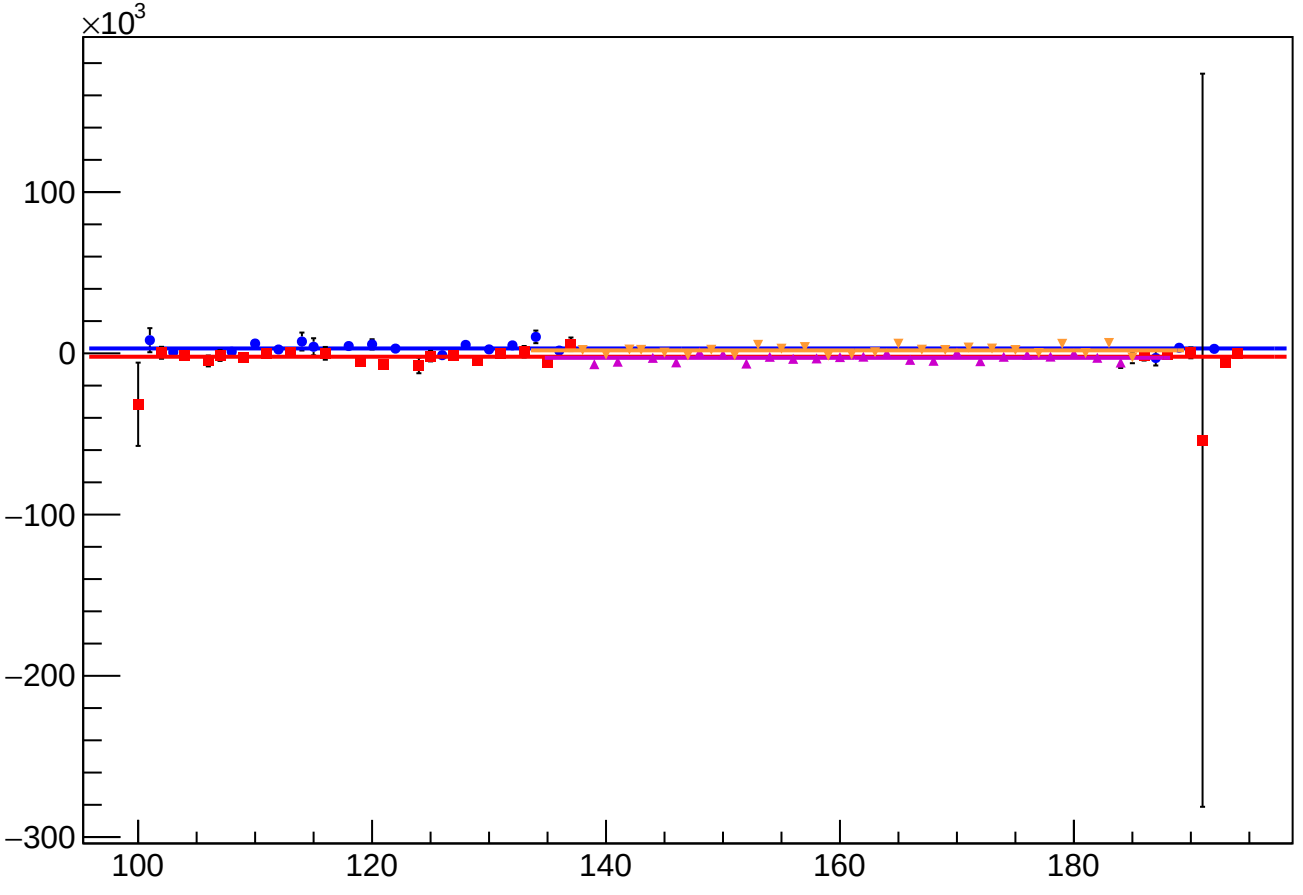
Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 26753229.2/43

All: 0.000+/-0.000 χ^2/NDF: 49199301.3/91

- sign 0.000+/-0.000 χ^2/NDF: 8366060.4/47

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: -2098.092+/-595.829 χ^2/NDF: 20.8/24

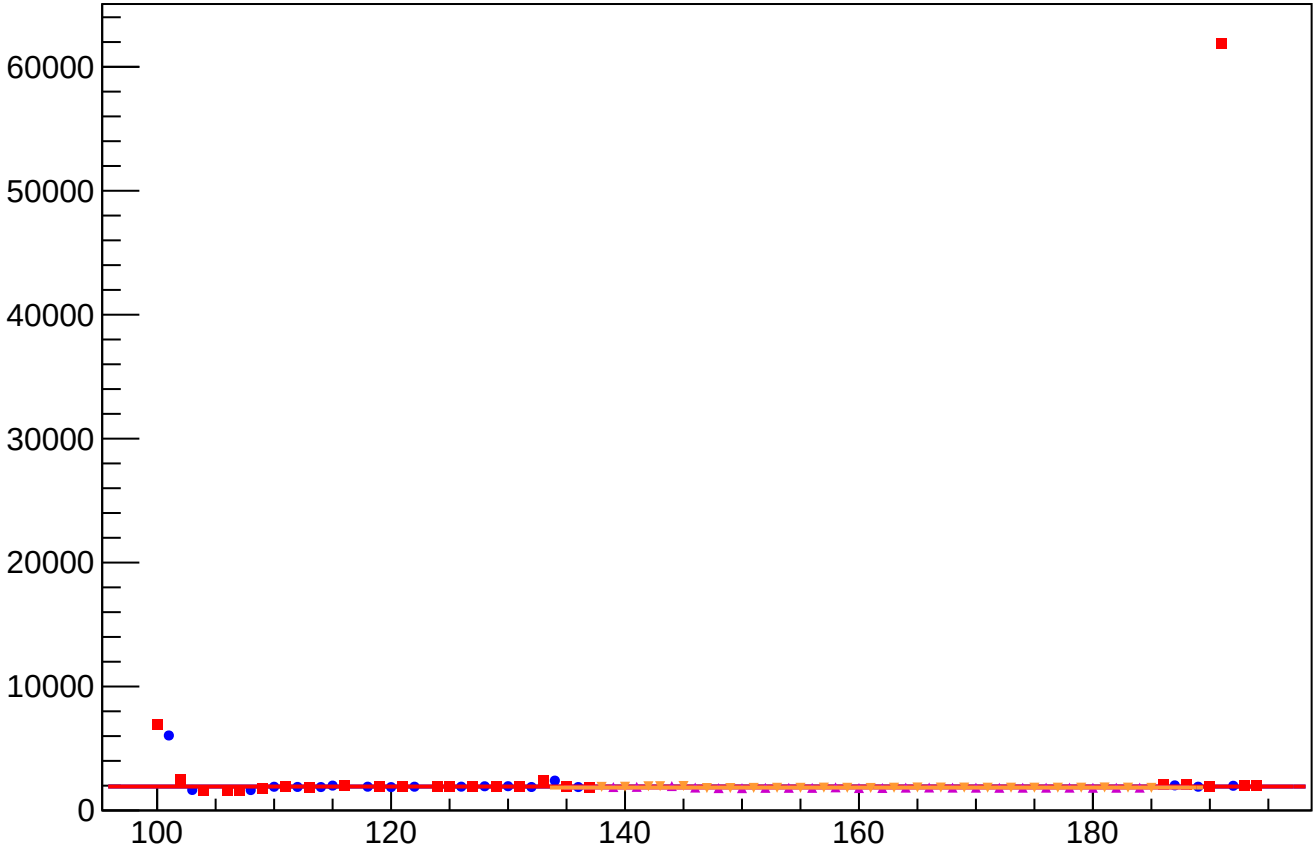
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2195.087+/-354.103 χ^2/NDF: 47.2/43

All: -207.399+/-248.617 χ^2/NDF: 185.1/91

- sign -2543.072+/-349.144 χ^2/NDF: 47.1/47

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: 1930.271+/-0.420 χ^2/NDF: 399054.4/24

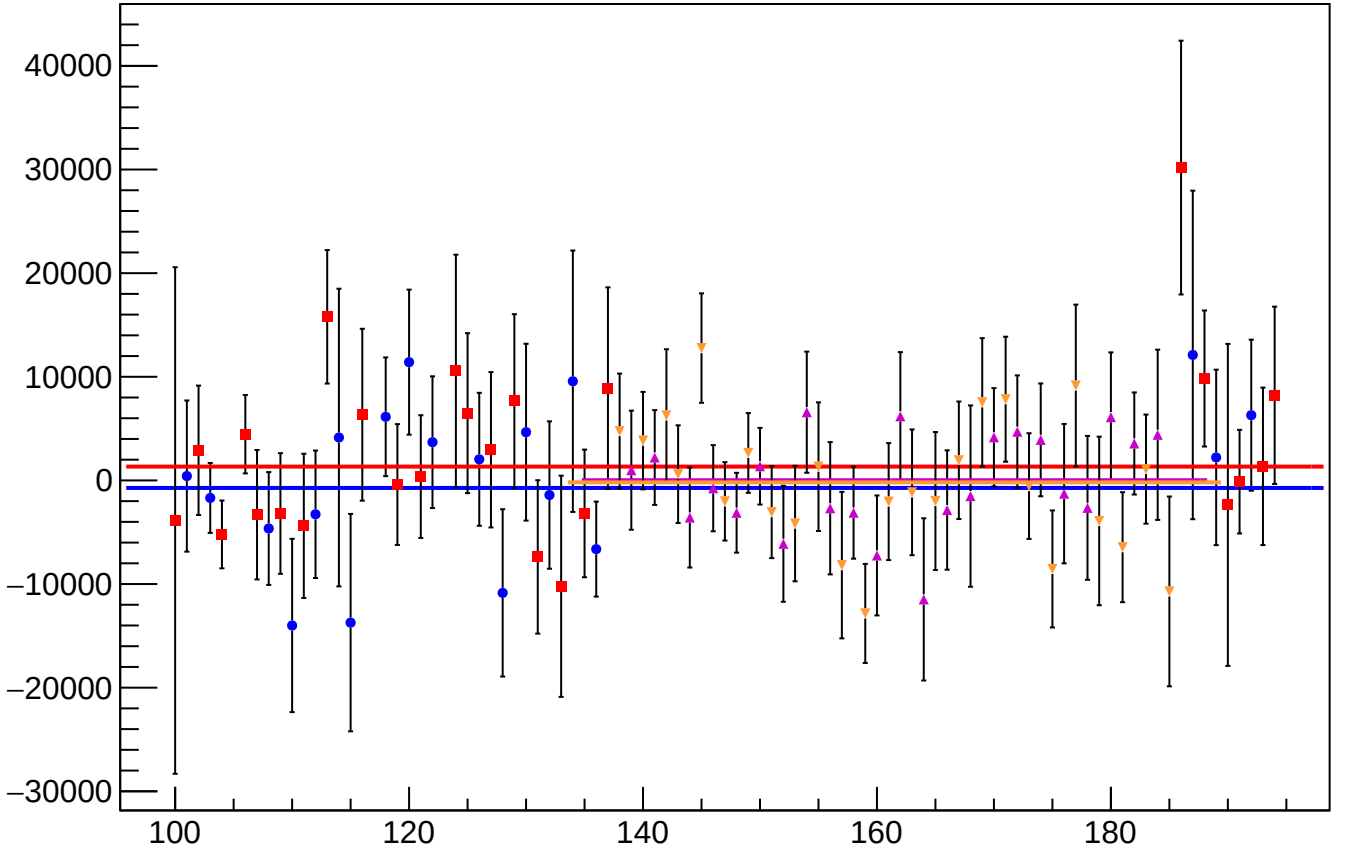
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1871.859+/-0.250 χ^2/NDF: 742623.1/43

All: 1873.155+/-0.176 χ^2/NDF: 1182701.7/91

- sign 1874.414+/-0.247 χ^2/NDF: 440025.7/47

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: 1333.560+/-1302.986 χ^2/NDF: 25.6/24

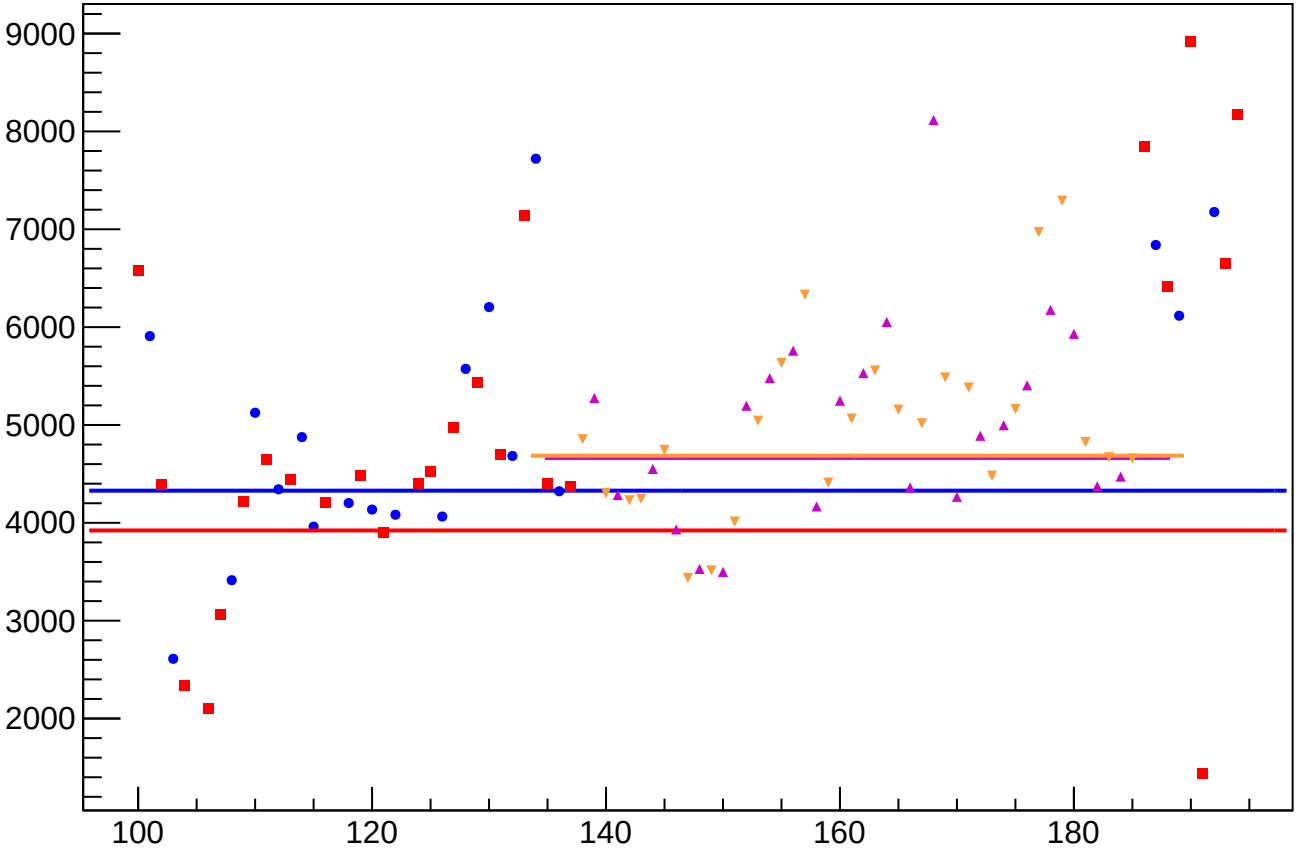
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -372.099+/-884.435 χ^2/NDF: 45.1/43

All: 121.651+/-611.386 χ^2/NDF: 85.6/91

- sign 573.523+/-846.098 χ^2/NDF: 39.9/47

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

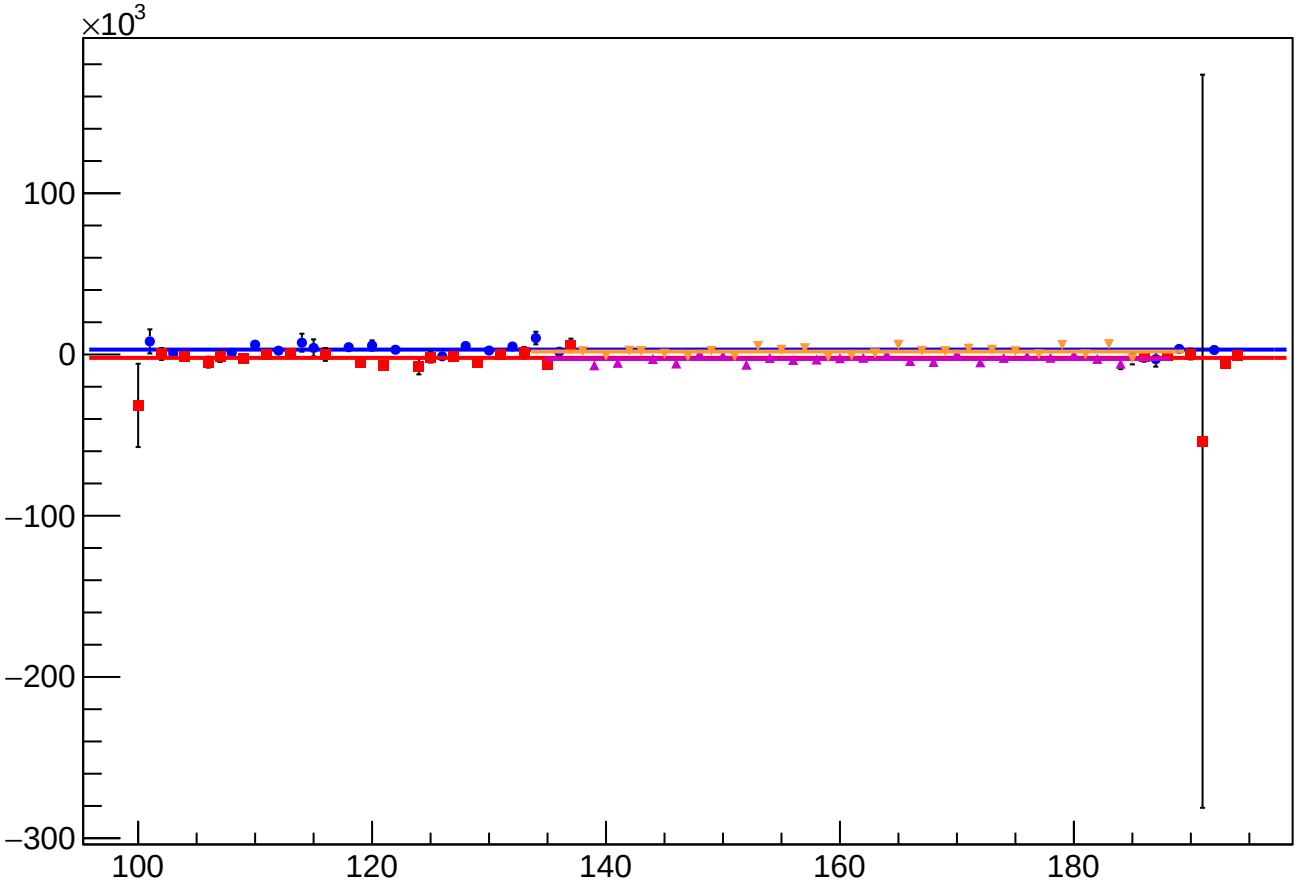
Right Out: 3922.002+/-0.921 χ^2/NDF: 3354845.7/24

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4564.759+/-0.625 χ^2/NDF: 2698606.7/43

All: 4452.993+/-0.432 χ^2/NDF: 7775706.8/91

- sign 4350.707+/-0.598 χ^2/NDF: 5015931.8/47



Right In: 3037.770+/-658.462 χ^2/NDF: 13.4/18

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2098.869+/-595.831 χ^2/NDF: 20.8/24

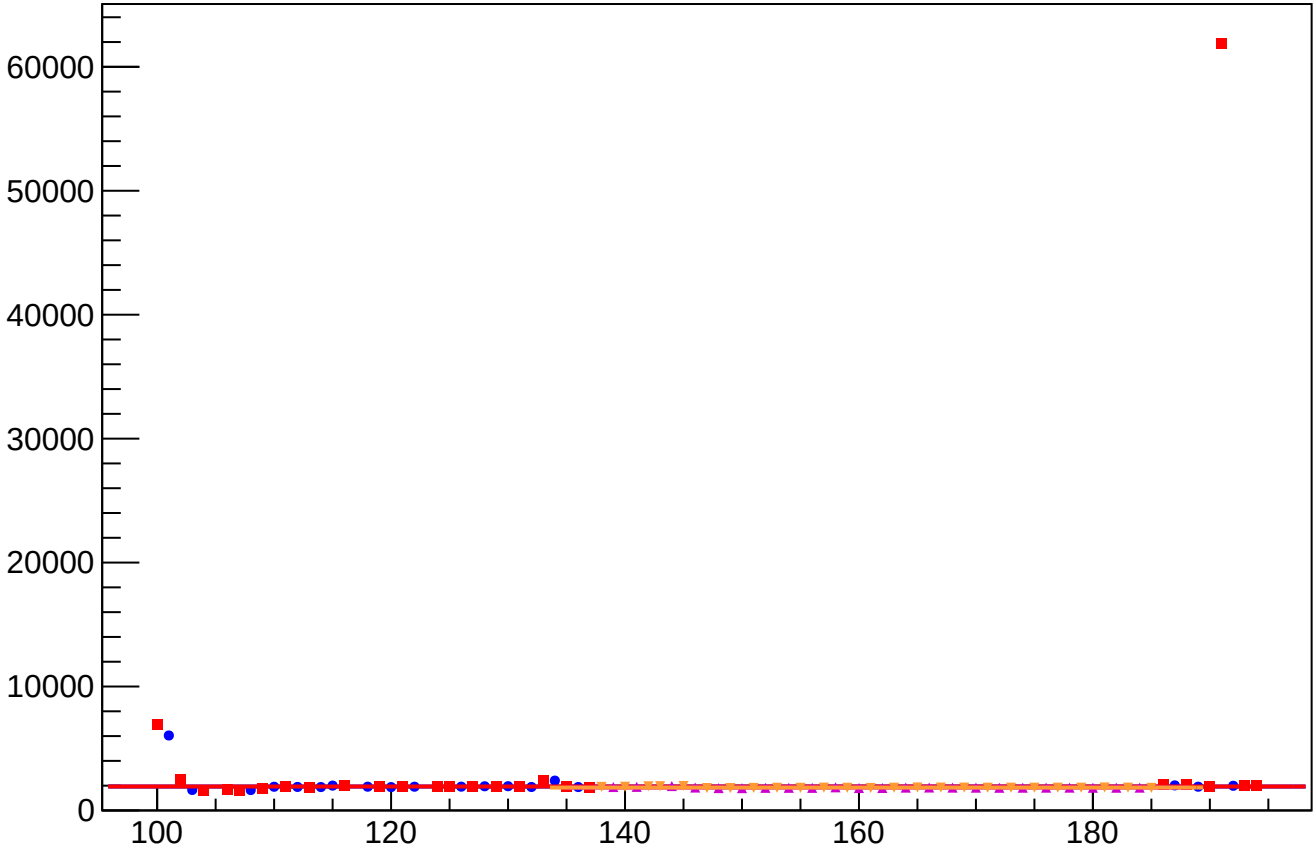
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2194.845+/-354.103 χ^2/NDF: 47.2/43

All: -207.643+/-248.617 χ^2/NDF: 185.1/91

- sign -2543.325+/-349.145 χ^2/NDF: 47.1/47

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: 1933.179+/-0.421 χ^2/NDF: 391322.7/24

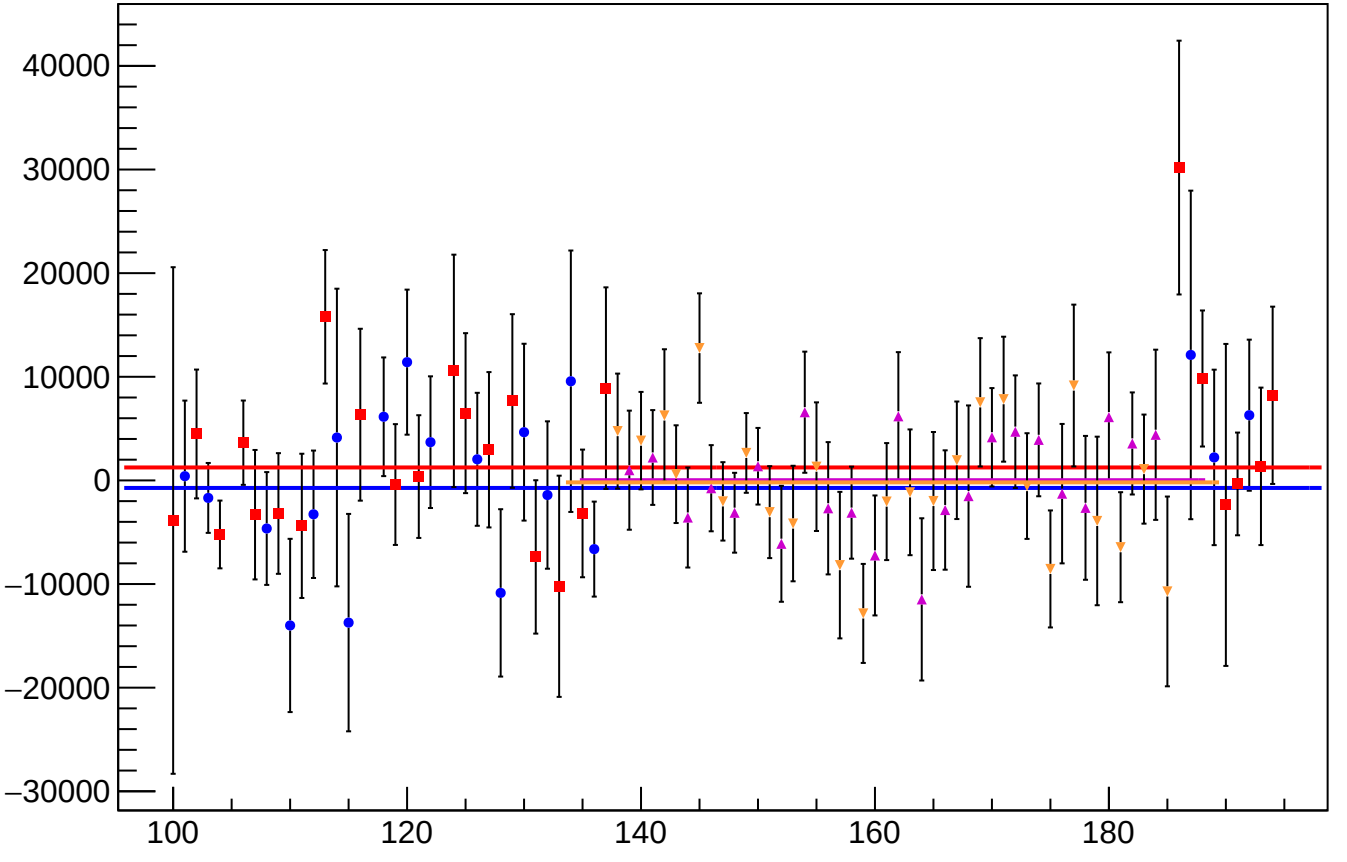
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1871.859+/-0.250 χ^2/NDF: 742622.4/43

All: 1873.636+/-0.176 χ^2/NDF: 1176835.5/91

- sign 1875.362+/-0.247 χ^2/NDF: 434113.8/47

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: 1250.439+/-1312.680 χ^2/NDF: 25.5/24

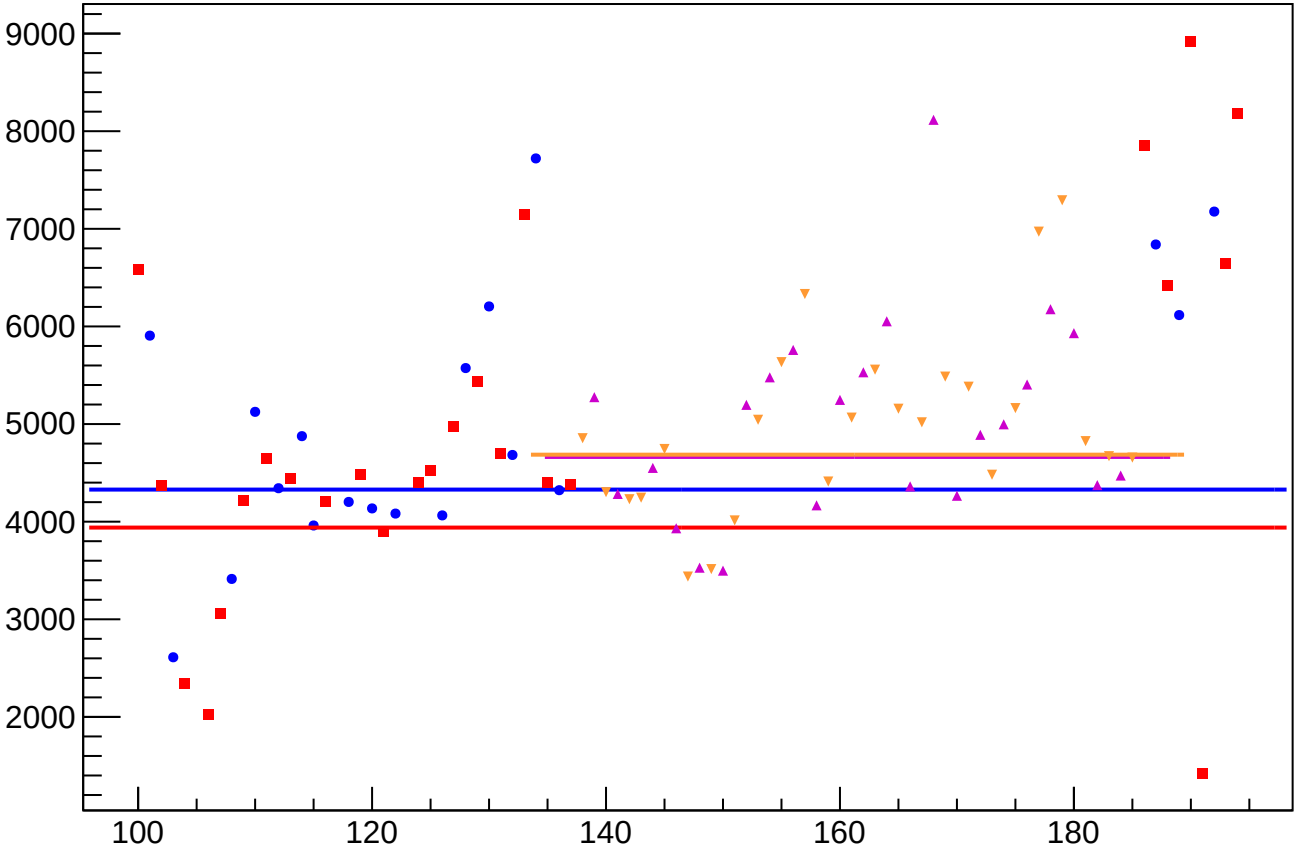
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -372.229+/-884.435 χ^2/NDF: 45.1/43

All: 99.571+/-612.378 χ^2/NDF: 85.4/91

- sign 534.052+/-848.735 χ^2/NDF: 39.7/47

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

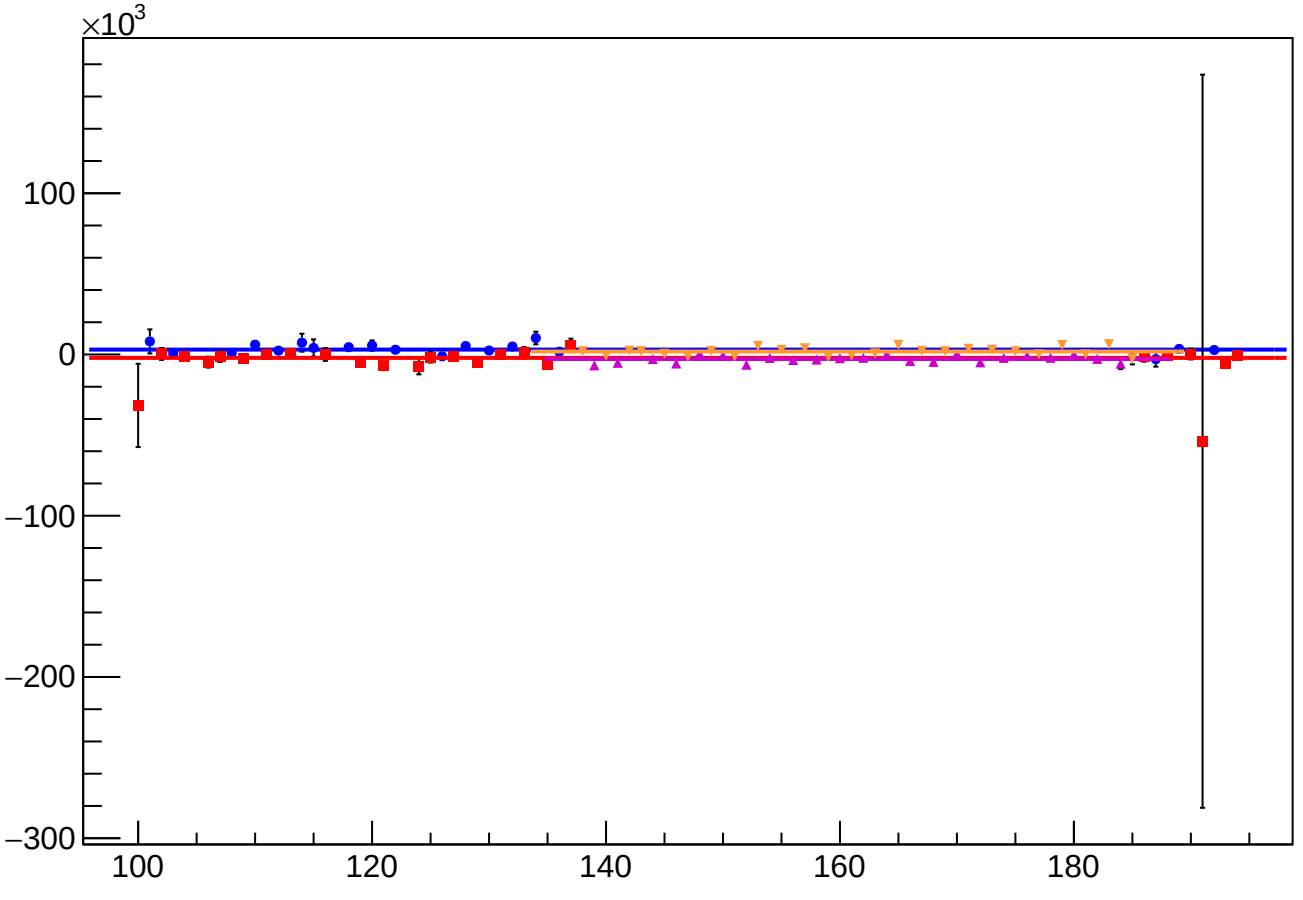
Right Out: 3939.513+/-0.928 χ^2/NDF: 3338394.4/24

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4564.784+/-0.625 χ^2/NDF: 2698062.9/43

All: 4458.543+/-0.433 χ^2/NDF: 7732441.6/91

- sign 4360.705+/-0.600 χ^2/NDF: 4978943.2/47



Right In: 3037.770+/-658.462 χ^2/NDF: 13.4/18

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2098.869+/-595.831 χ^2/NDF: 20.8/24

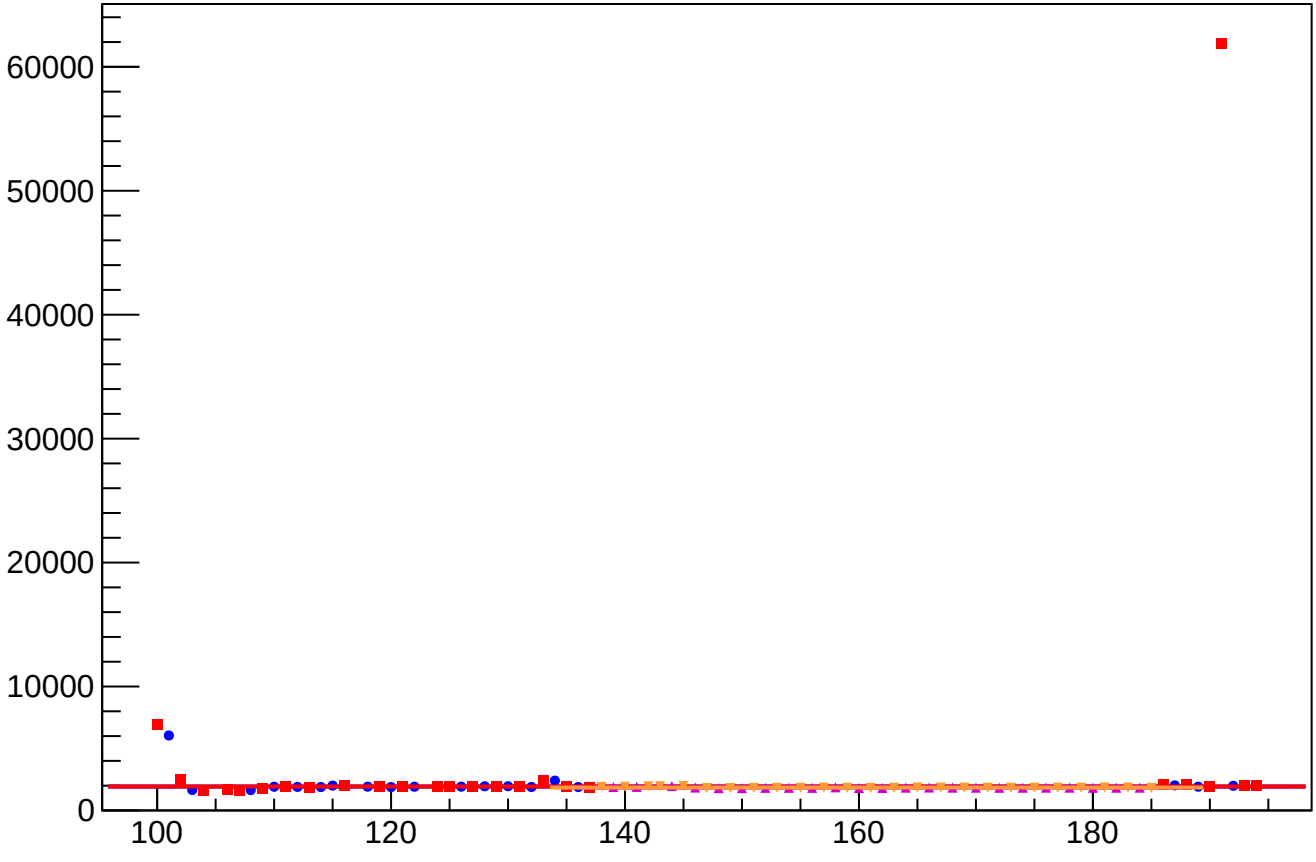
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2194.845+/-354.103 χ^2/NDF: 47.2/43

All: -207.643+/-248.617 χ^2/NDF: 185.1/91

- sign -2543.325+/-349.145 χ^2/NDF: 47.1/47

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

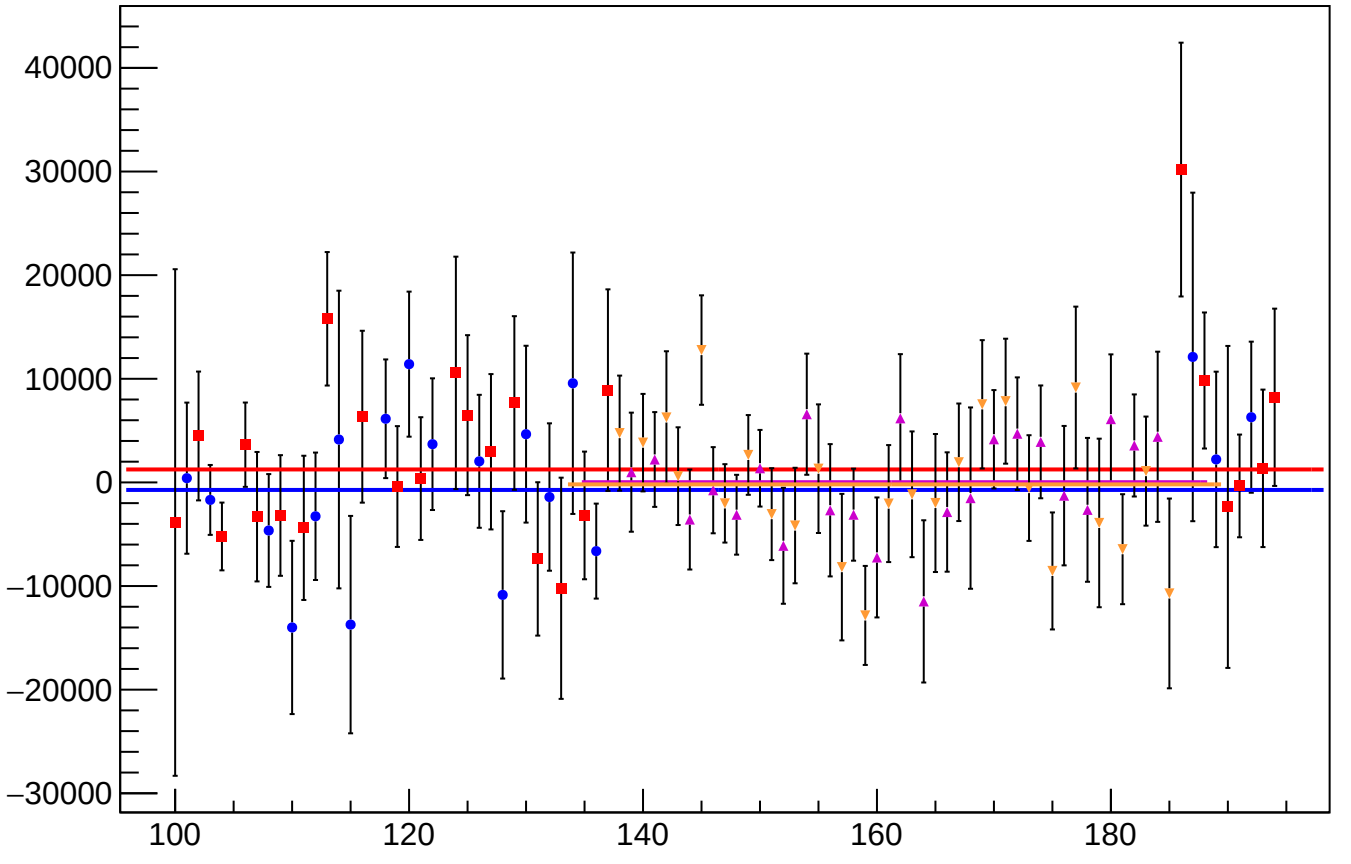
Right Out: 1933.179+/-0.421 χ^2/NDF: 391322.7/24

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1871.859+/-0.250 χ^2/NDF: 742622.4/43

All: 1873.636+/-0.176 χ^2/NDF: 1176835.5/91

- sign 1875.362+/-0.247 χ^2/NDF: 434113.8/47



Right In: -727.054+/-1516.921 χ^2/NDF: 16.1/18

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1250.439+/-1312.680 χ^2/NDF: 25.5/24

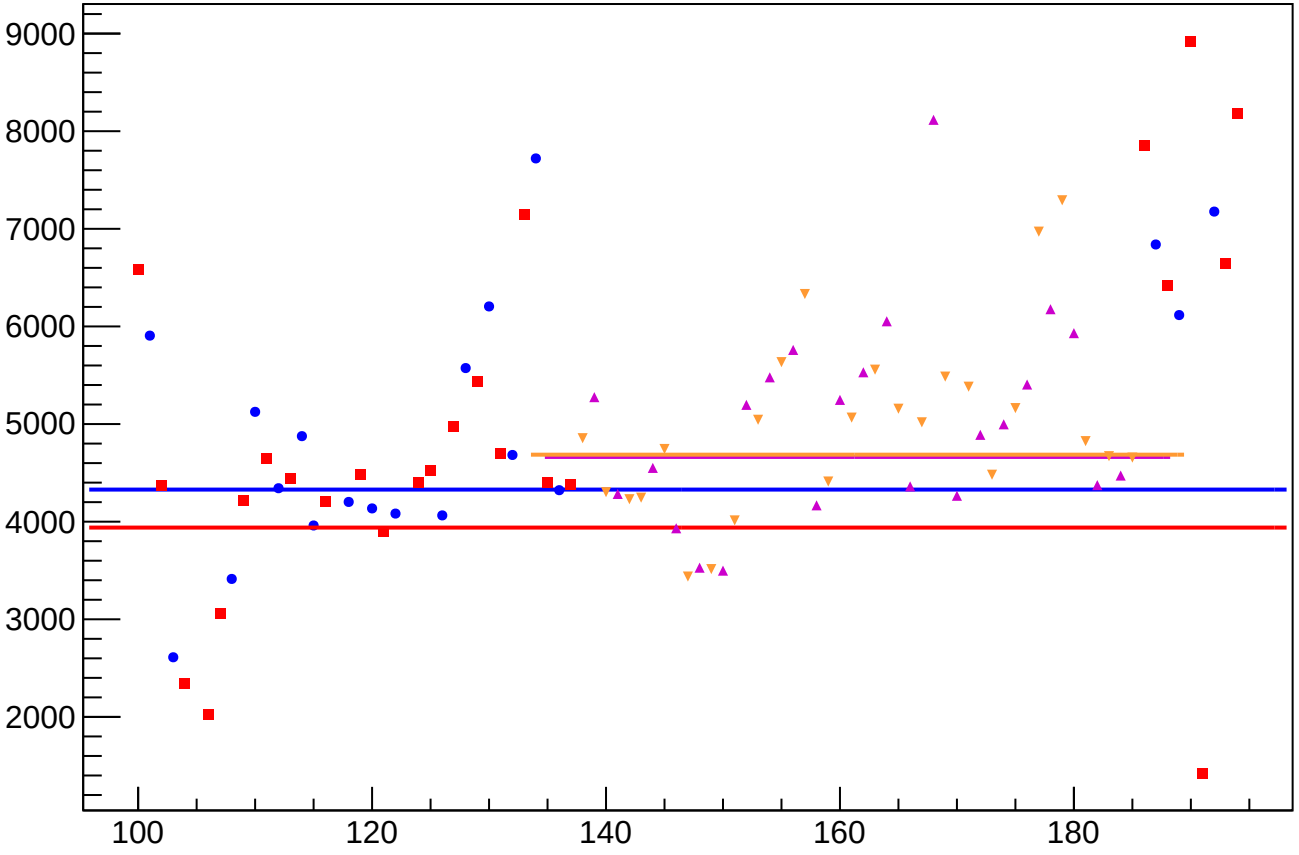
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -372.229+/-884.435 χ^2/NDF: 45.1/43

All: 99.571+/-612.378 χ^2/NDF: 85.4/91

- sign 534.052+/-848.735 χ^2/NDF: 39.7/47

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

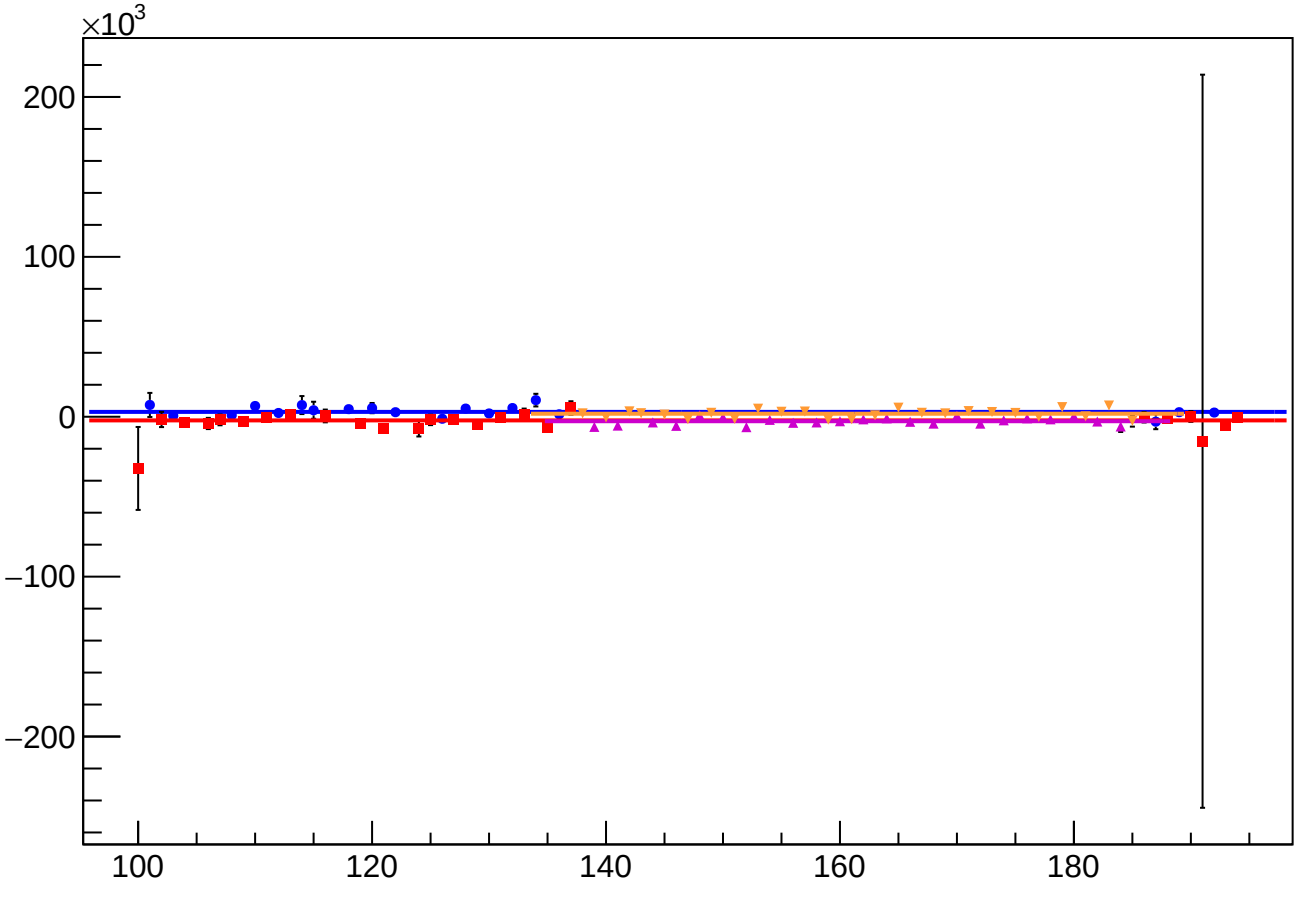
Right Out: 3939.513+/-0.928 χ^2/NDF: 3338394.4/24

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

\+ sign 4564.784+/-0.625 χ^2/NDF: 2698062.9/43

All: 4458.543+/-0.433 χ^2/NDF: 7732441.6/91

\- sign 4360.705+/-0.600 χ^2/NDF: 4978943.2/47



Right In: 3038.595+/-675.111 χ^2/NDF: 14.0/18

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2283.651+/-611.340 χ^2/NDF: 21.1/24

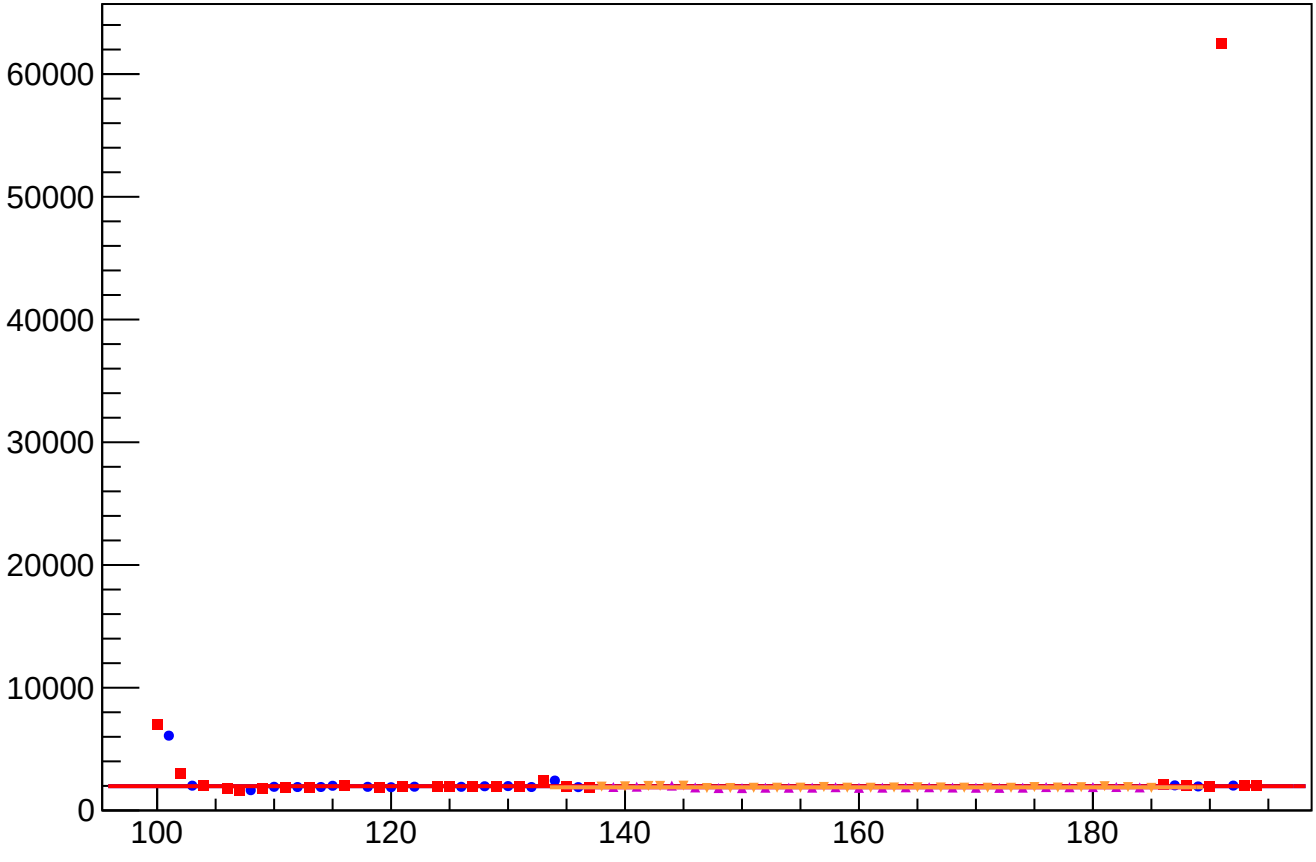
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2213.905+/-362.069 χ^2/NDF: 49.0/43

All: -240.685+/-254.106 χ^2/NDF: 186.6/91

- sign -2623.171+/-356.711 χ^2/NDF: 47.0/47

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: 1977.802+/-0.432 χ^2/NDF: 413269.7/24

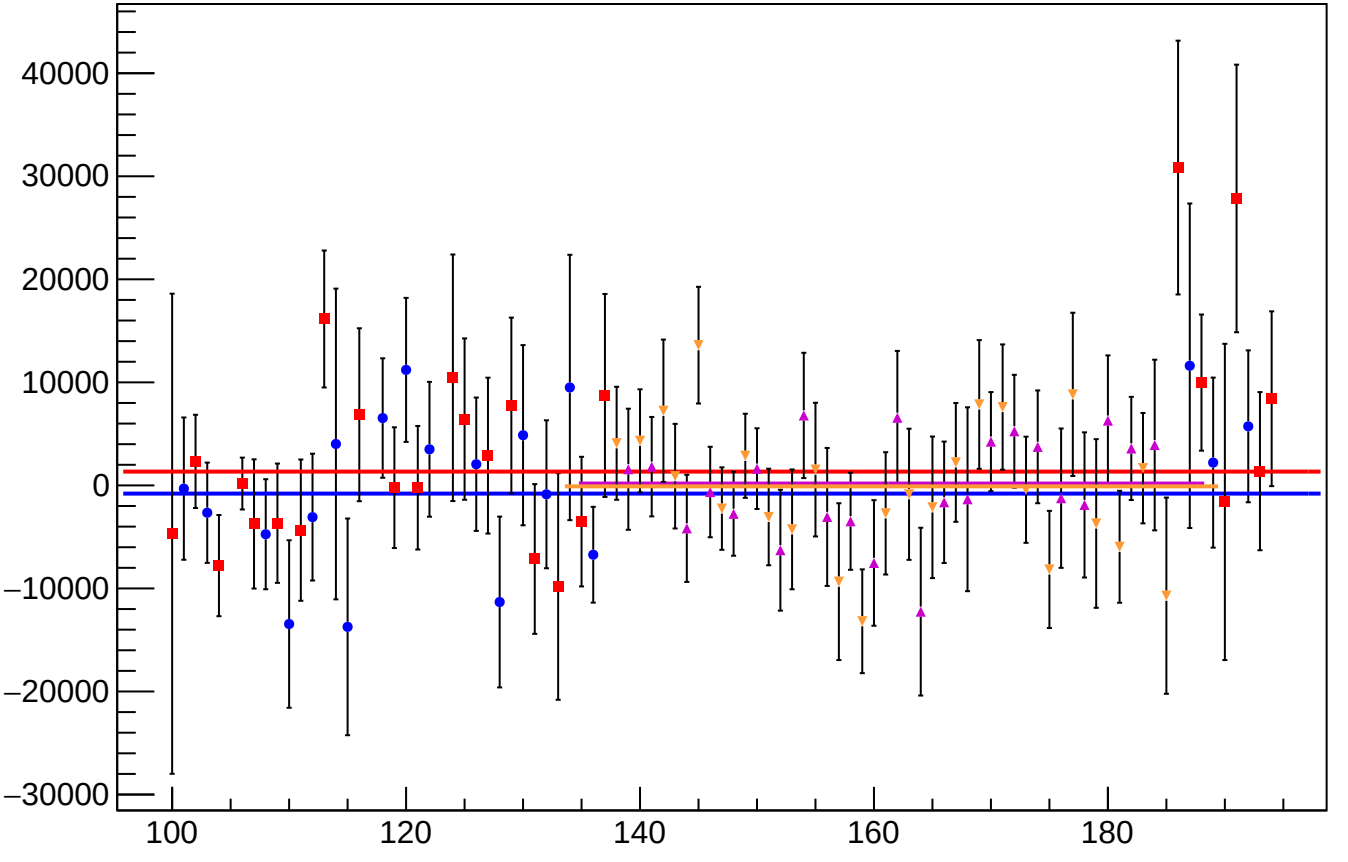
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1914.051+/-0.256 χ^2/NDF: 725243.1/43

All: 1913.875+/-0.180 χ^2/NDF: 1190942.1/91

- sign 1913.704+/-0.252 χ^2/NDF: 465698.0/47

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: 1338.418+/-1282.109 χ^2/NDF: 28.9/24

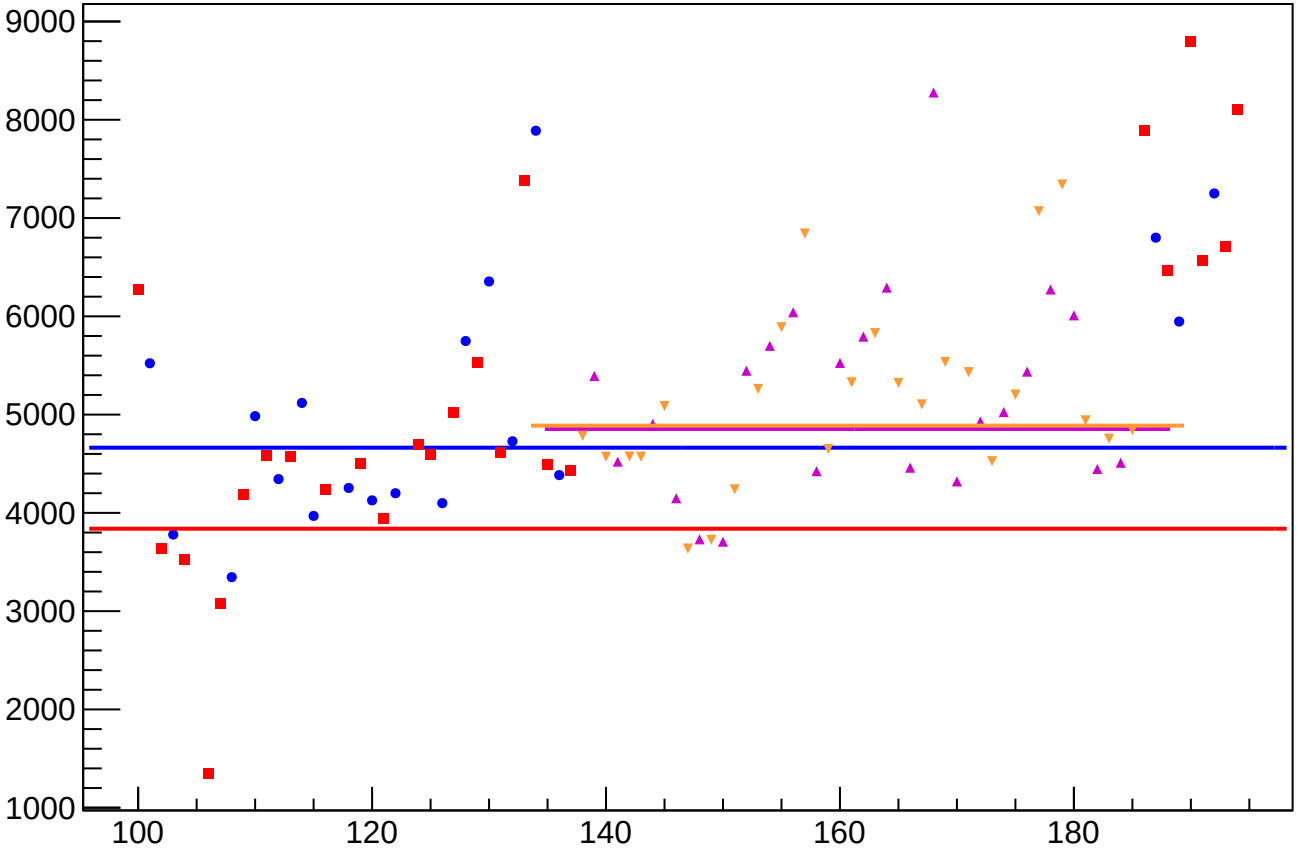
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -325.463+/-926.105 χ^2/NDF: 44.1/43

All: 224.888+/-629.625 χ^2/NDF: 87.7/91

- sign 697.902+/-858.572 χ^2/NDF: 42.9/47

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

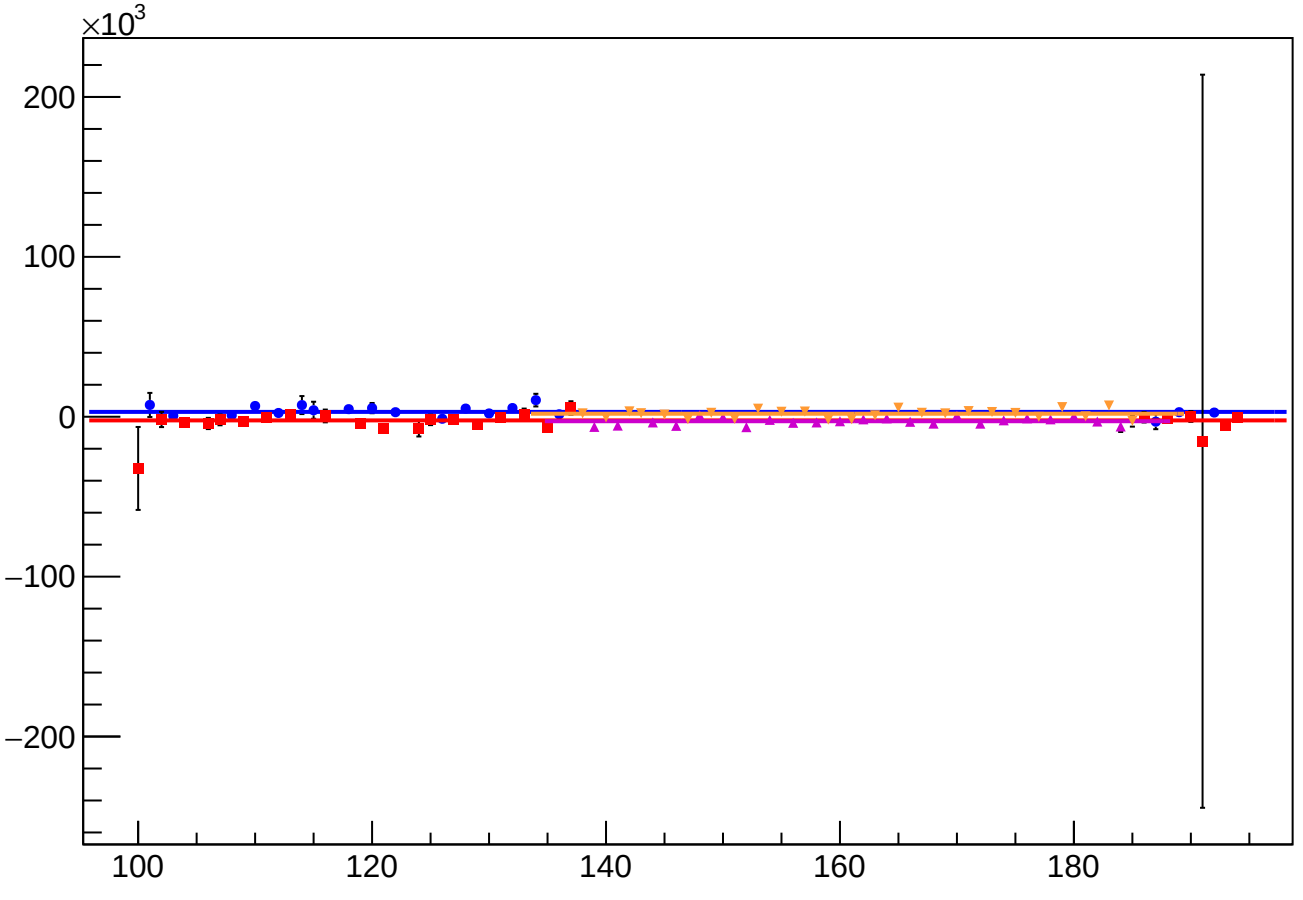
Right Out: 3838.993+/-0.907 χ^2/NDF: 4142402.9/24

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4813.219+/-0.655 χ^2/NDF: 1947914.8/43

All: 4590.178+/-0.445 χ^2/NDF: 8175168.2/91

- sign 4398.479+/-0.607 χ^2/NDF: 6011543.5/47



Right In: 3038.600+/-675.110 χ^2/NDF: 14.0/18

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2283.654+/-611.340 χ^2/NDF: 21.1/24

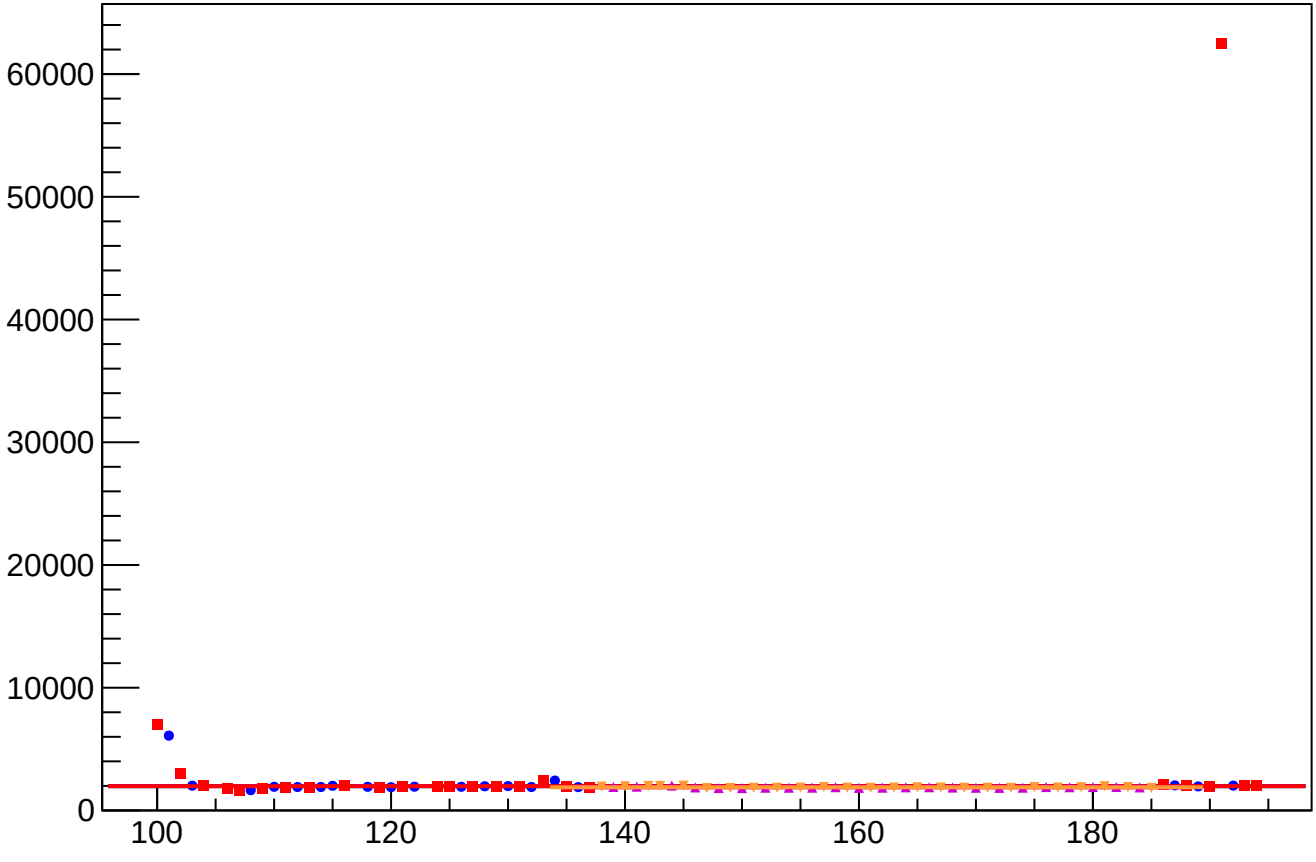
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2213.903+/-362.069 χ^2/NDF: 49.0/43

All: -240.686+/-254.106 χ^2/NDF: 186.6/91

- sign -2623.172+/-356.711 χ^2/NDF: 47.0/47

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

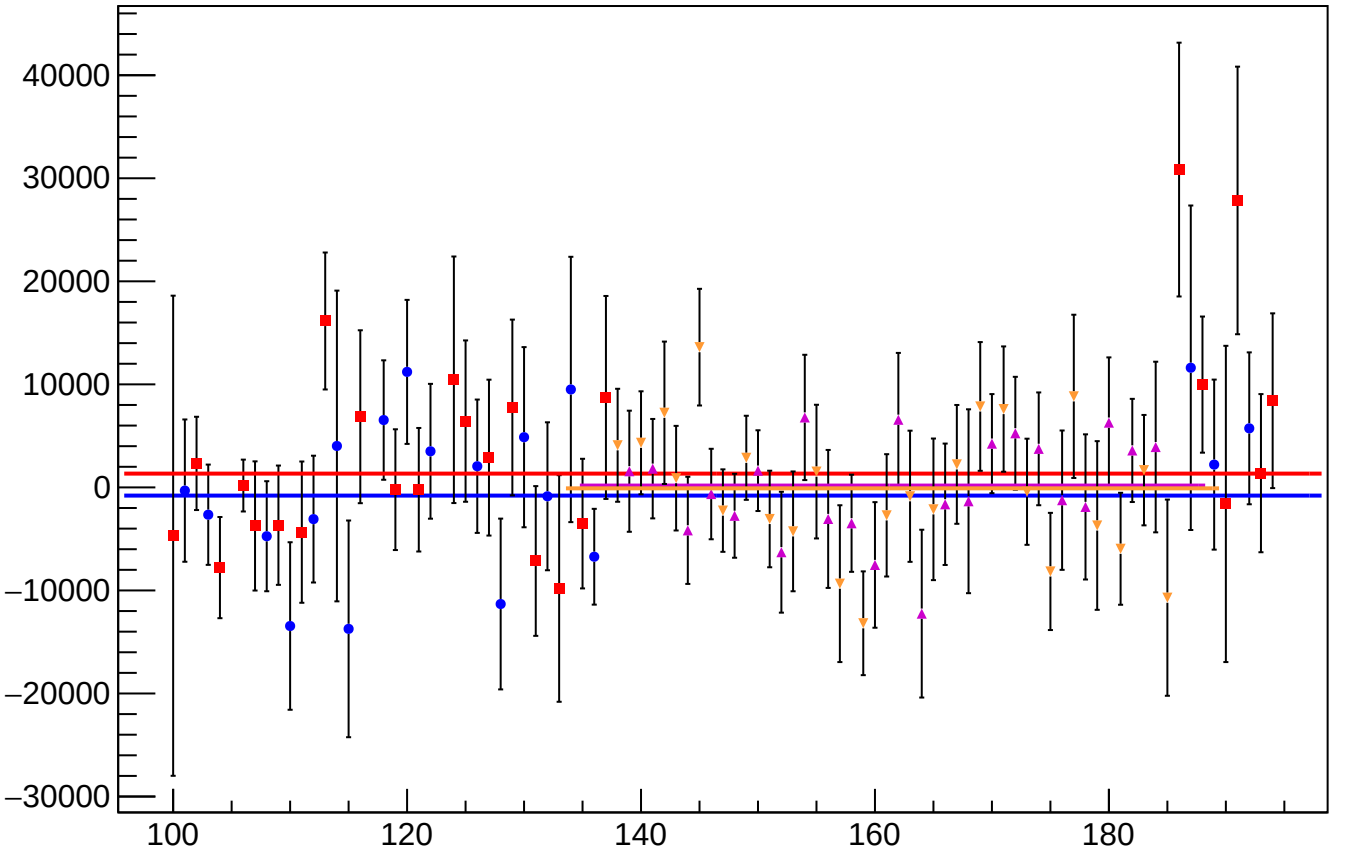
Right Out: 1977.802+/-0.432 χ^2/NDF: 413269.2/24

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1914.051+/-0.256 χ^2/NDF: 725242.5/43

All: 1913.875+/-0.180 χ^2/NDF: 1190940.3/91

- sign 1913.704+/-0.252 χ^2/NDF: 465696.9/47



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: 1338.414+/-1282.106 χ^2/NDF: 28.9/24

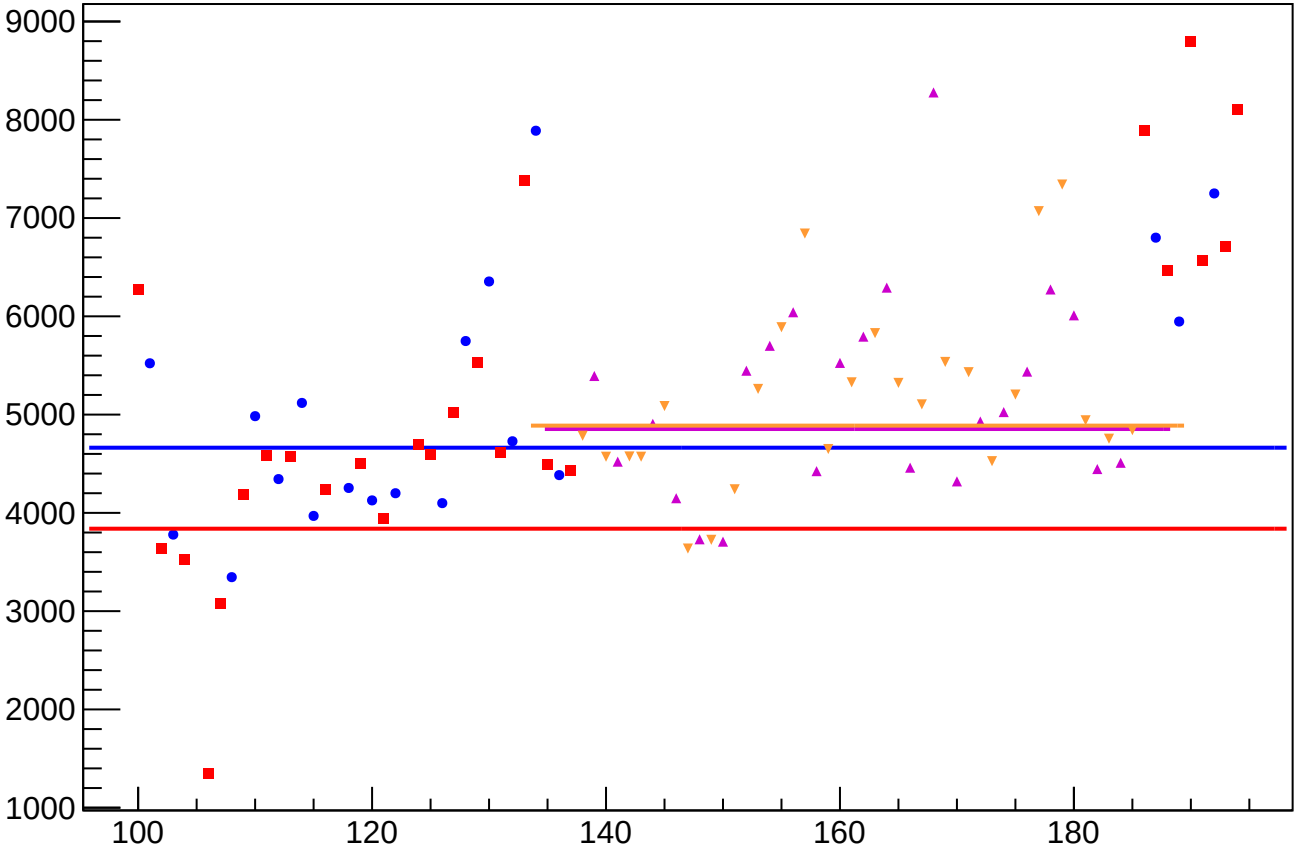
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -325.461+/-926.106 χ^2/NDF: 44.1/43

All: 224.890+/-629.625 χ^2/NDF: 87.7/91

- sign 697.904+/-858.572 χ^2/NDF: 42.9/47

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: 3838.984+/-0.907 χ^2/NDF: 4142416.3/24

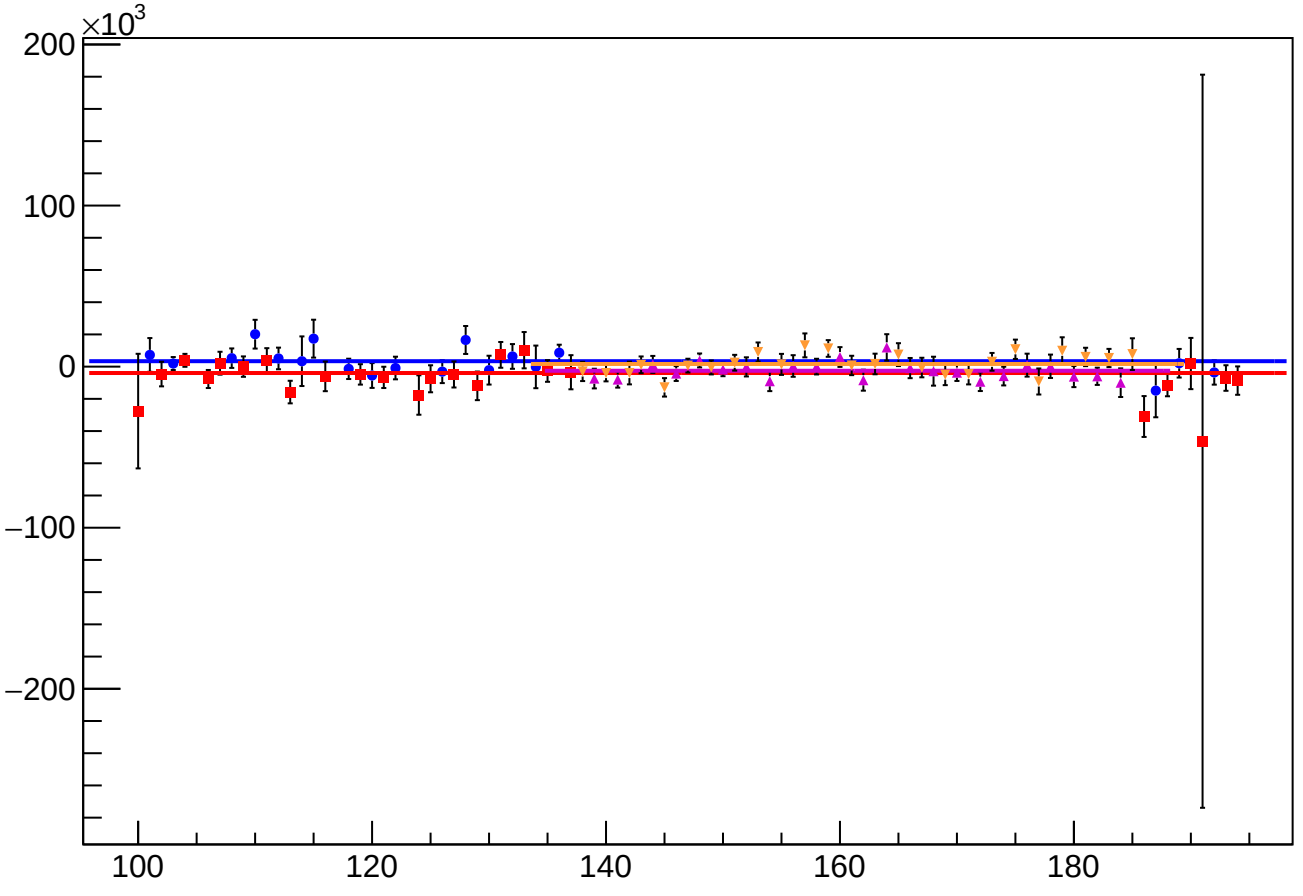
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4813.221+/-0.655 χ^2/NDF: 1947920.6/43

All: 4590.178+/-0.445 χ^2/NDF: 8175216.6/91

- sign 4398.477+/-0.607 χ^2/NDF: 6011581.8/47

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: -3957.057+/-1547.250 χ^2/NDF: 22.3/24

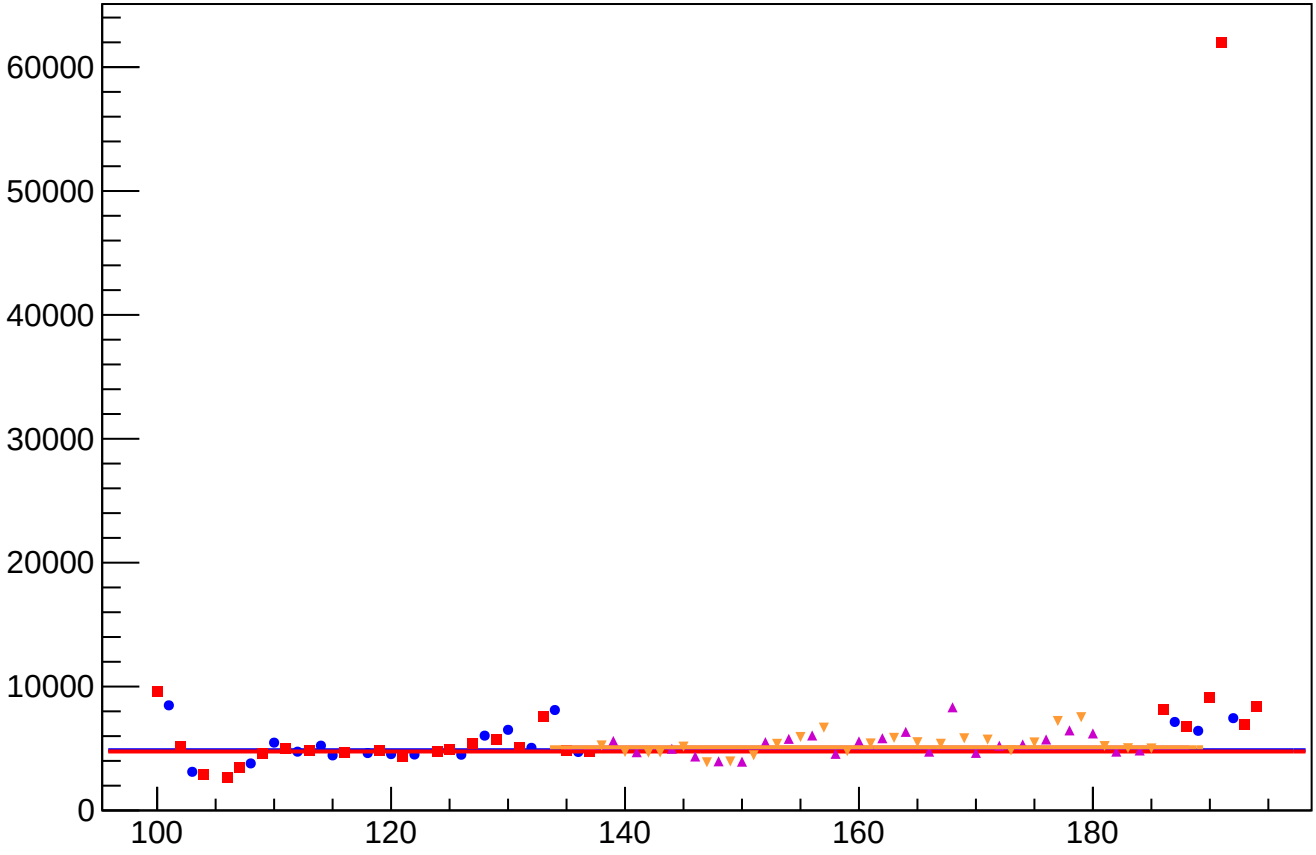
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2218.824+/-967.412 χ^2/NDF: 41.2/43

All: -482.290+/-677.979 χ^2/NDF: 95.3/91

- sign -3089.390+/-950.428 χ^2/NDF: 38.7/47

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: 4759.550+/-1.086 χ^2/NDF: 2149993.0/24

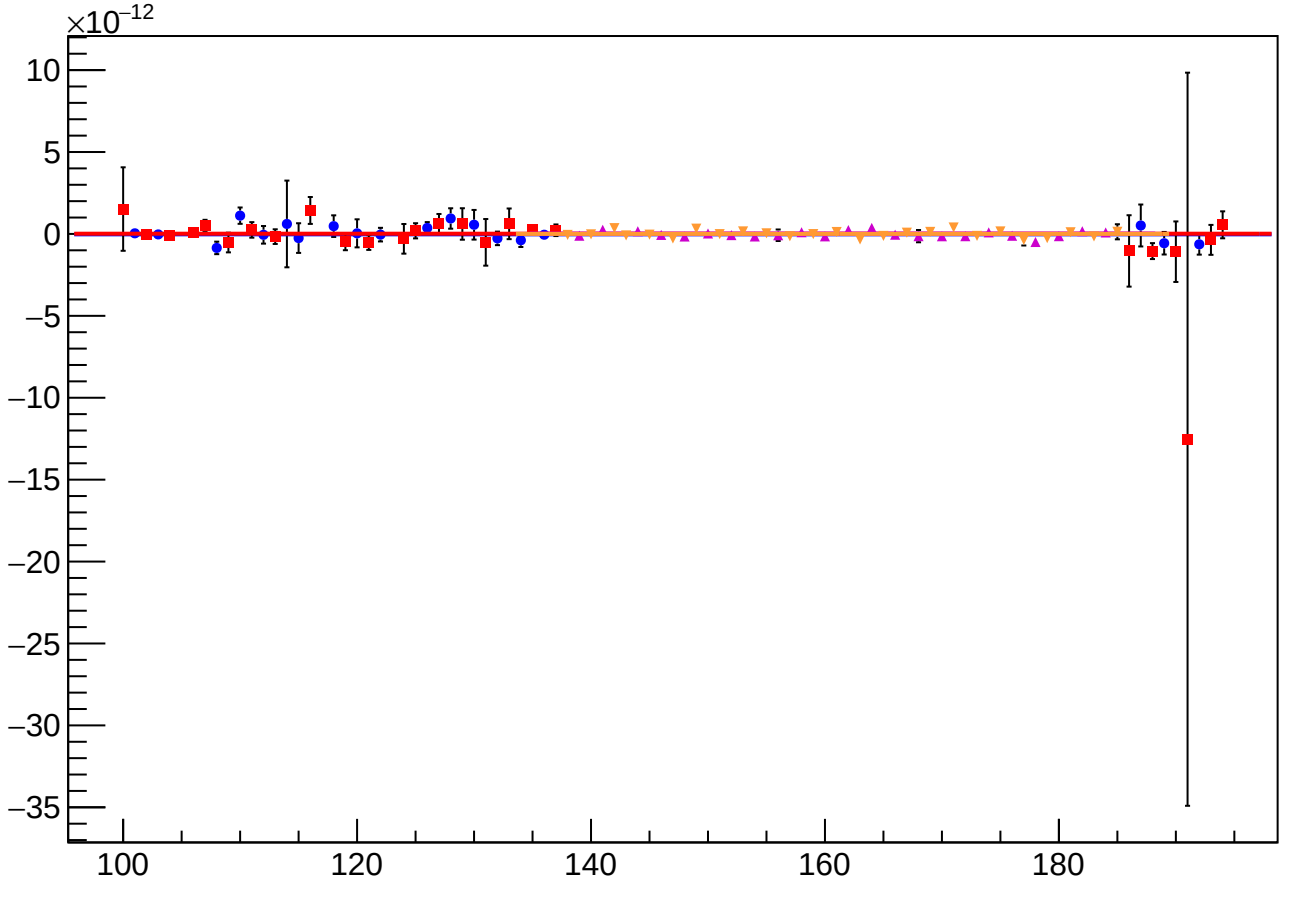
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5023.047+/-0.684 χ^2/NDF: 2204173.2/43

All: 4987.795+/-0.479 χ^2/NDF: 5403050.2/91

- sign 4953.963+/-0.670 χ^2/NDF: 3193672.8/47

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: 21.4/24

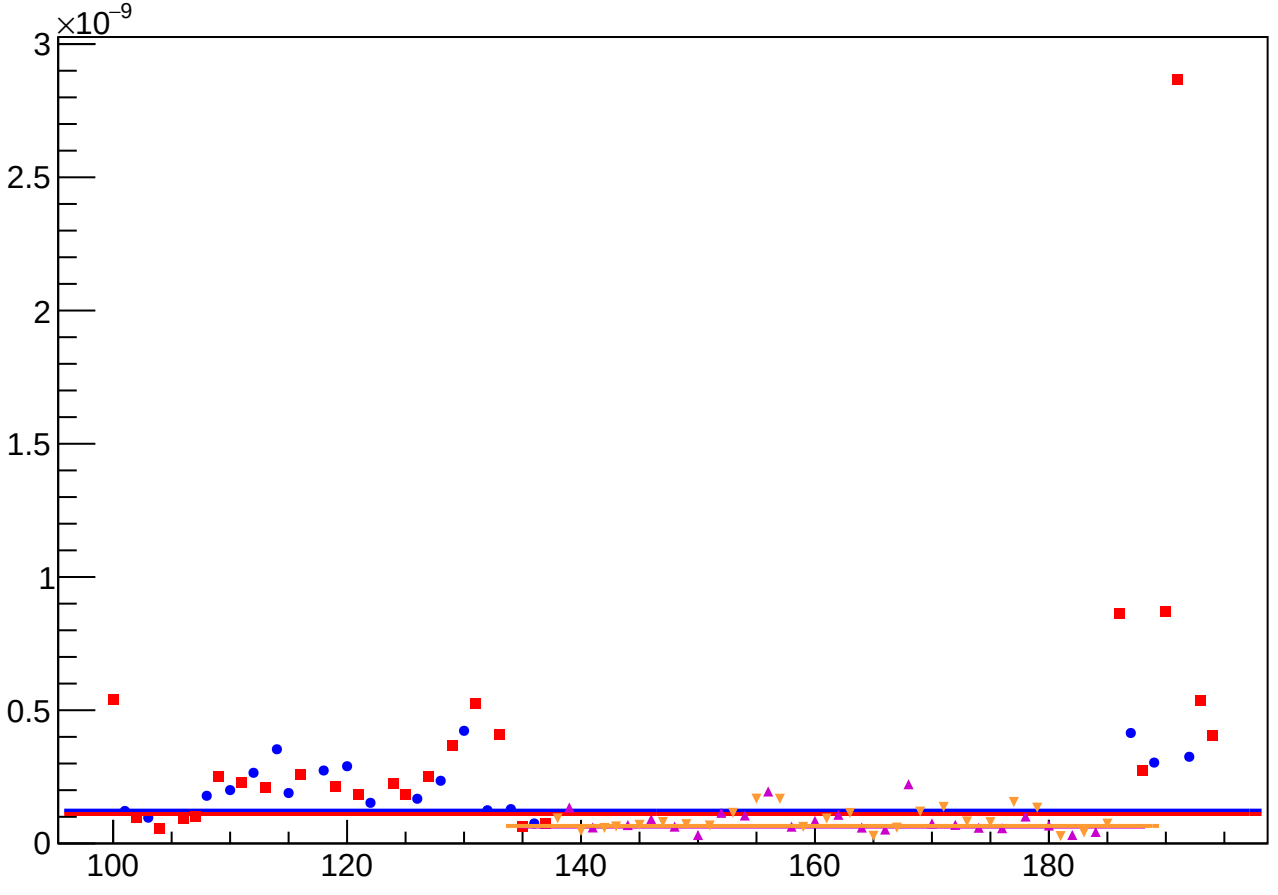
Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.0/43

All: 0.000+/-0.000 χ^2/NDF: 105.1/91

- sign 0.000+/-0.000 χ^2/NDF: 53.8/47

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: 3406306.9/24

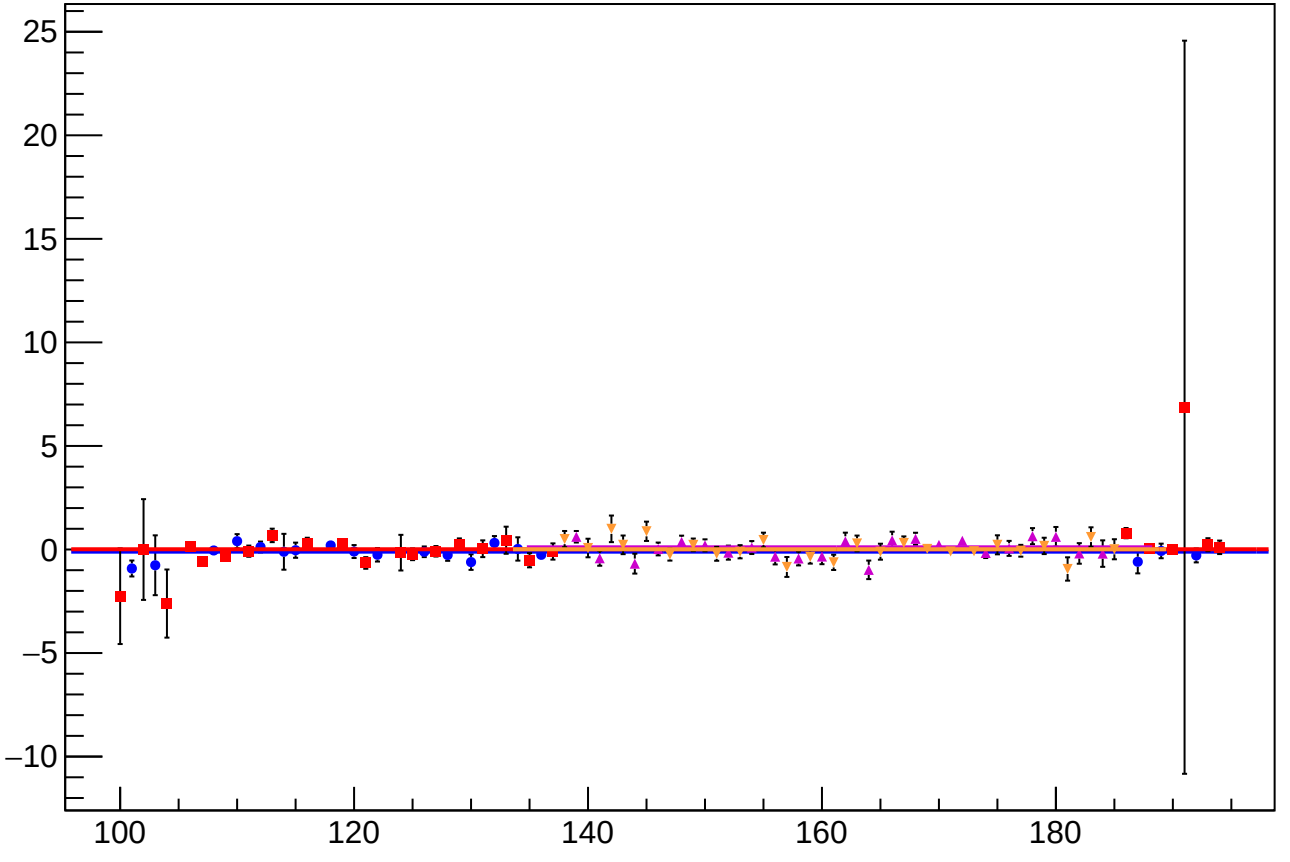
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5080007.1/43

All: 0.000+/-0.000 χ^2/NDF: 11469571.7/91

- sign 0.000+/-0.000 χ^2/NDF: 6372823.7/47

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: 0.011+/-0.056 χ^2/NDF: 40.7/24

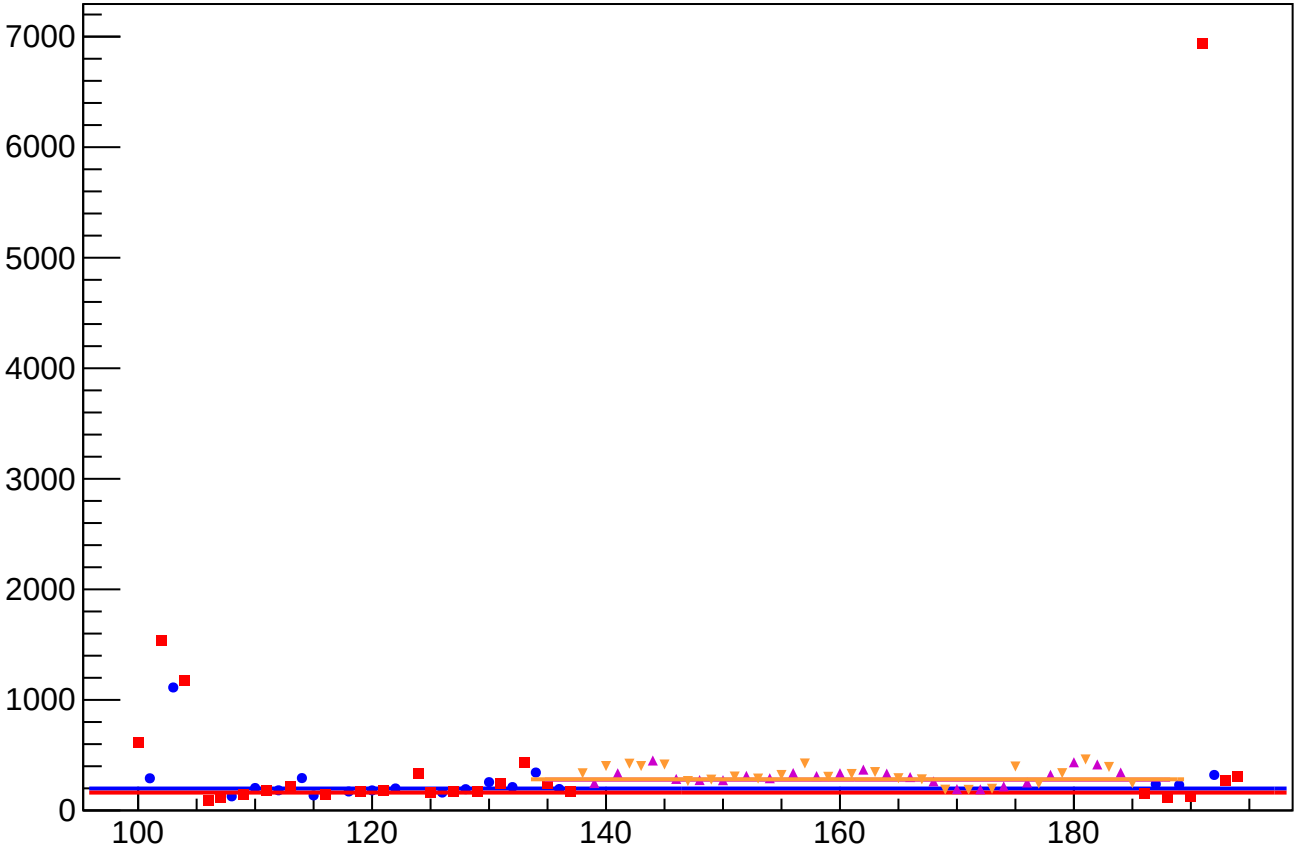
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.043+/-0.050 χ^2/NDF: 41.6/43

All: 0.009+/-0.033 χ^2/NDF: 116.8/91

\- sign 0.049+/-0.044 χ^2/NDF: 73.3/47

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: 161.587+/-0.040 χ^2/NDF: 3856816.8/24

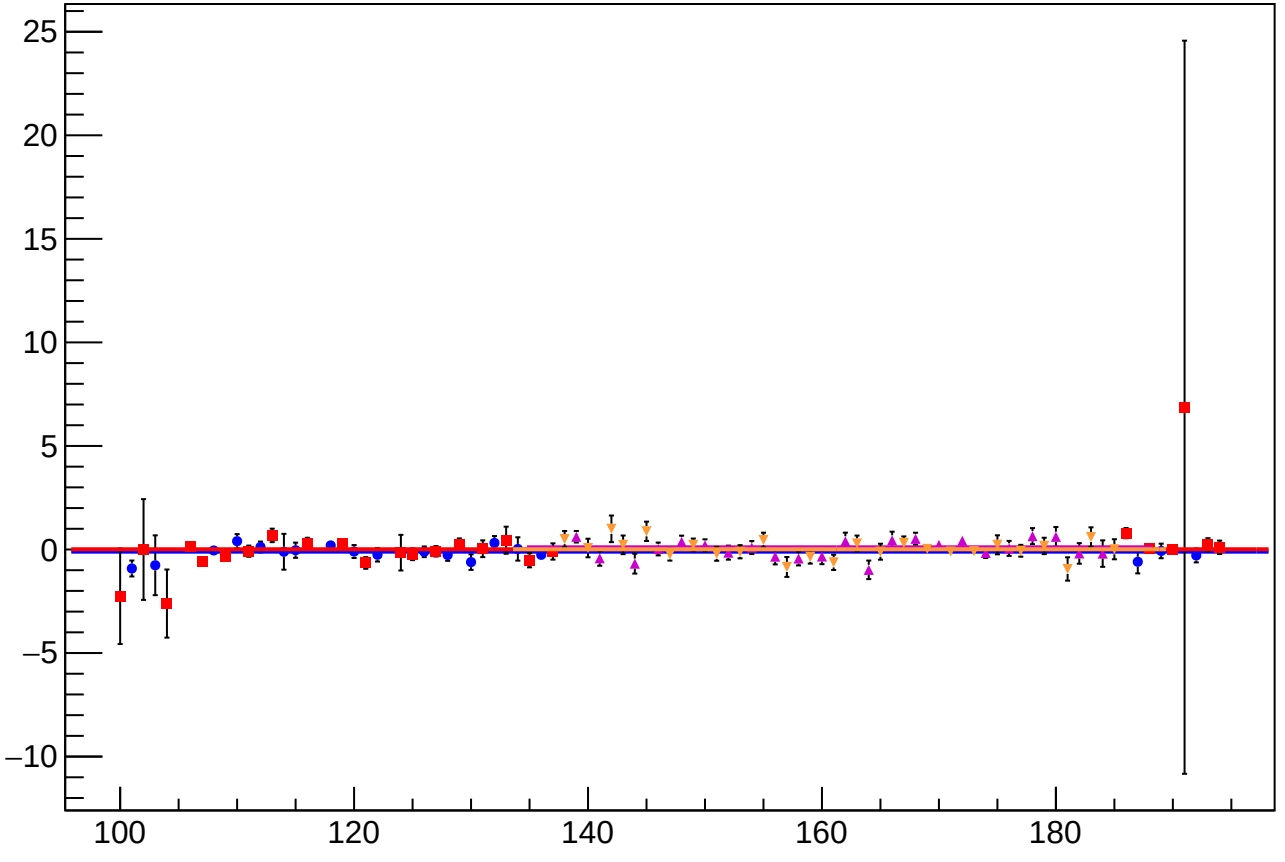
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 242.748+/-0.035 χ^2/NDF: 5715246.0/43

All: 223.544+/-0.023 χ^2/NDF: 15360810.9/91

- sign 208.744+/-0.031 χ^2/NDF: 9115621.6/47

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: 0.011+/-0.056 χ^2/NDF: 40.7/24

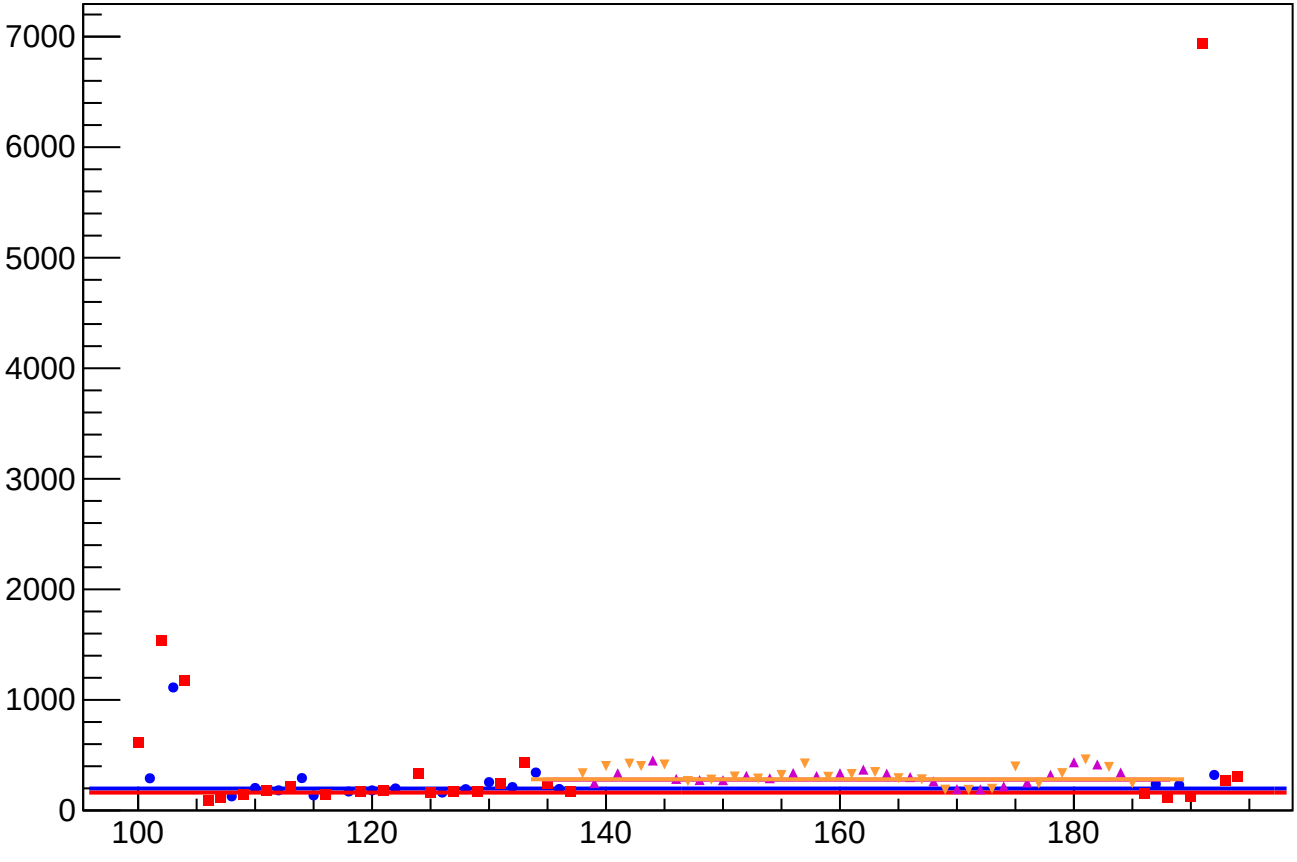
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.043+/-0.050 χ^2/NDF: 41.6/43

All: 0.009+/-0.033 χ^2/NDF: 116.8/91

- sign 0.049+/-0.044 χ^2/NDF: 73.3/47

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

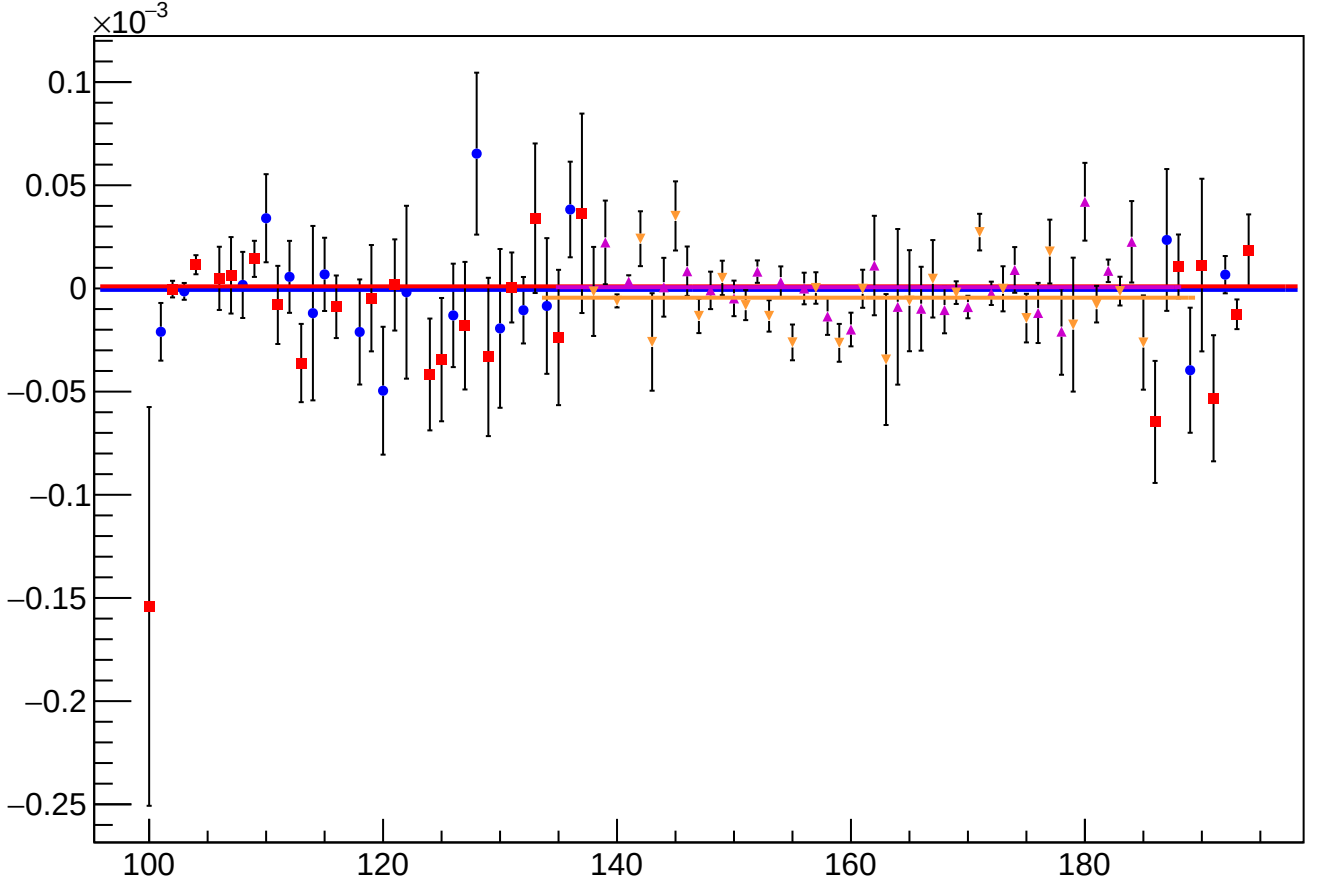
Right Out: 161.587+/-0.040 χ^2/NDF: 3856816.8/24

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 242.748+/-0.035 χ^2/NDF: 5715246.0/43

All: 223.544+/-0.023 χ^2/NDF: 15360810.9/91

- sign 208.744+/-0.031 χ^2/NDF: 9115621.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/24

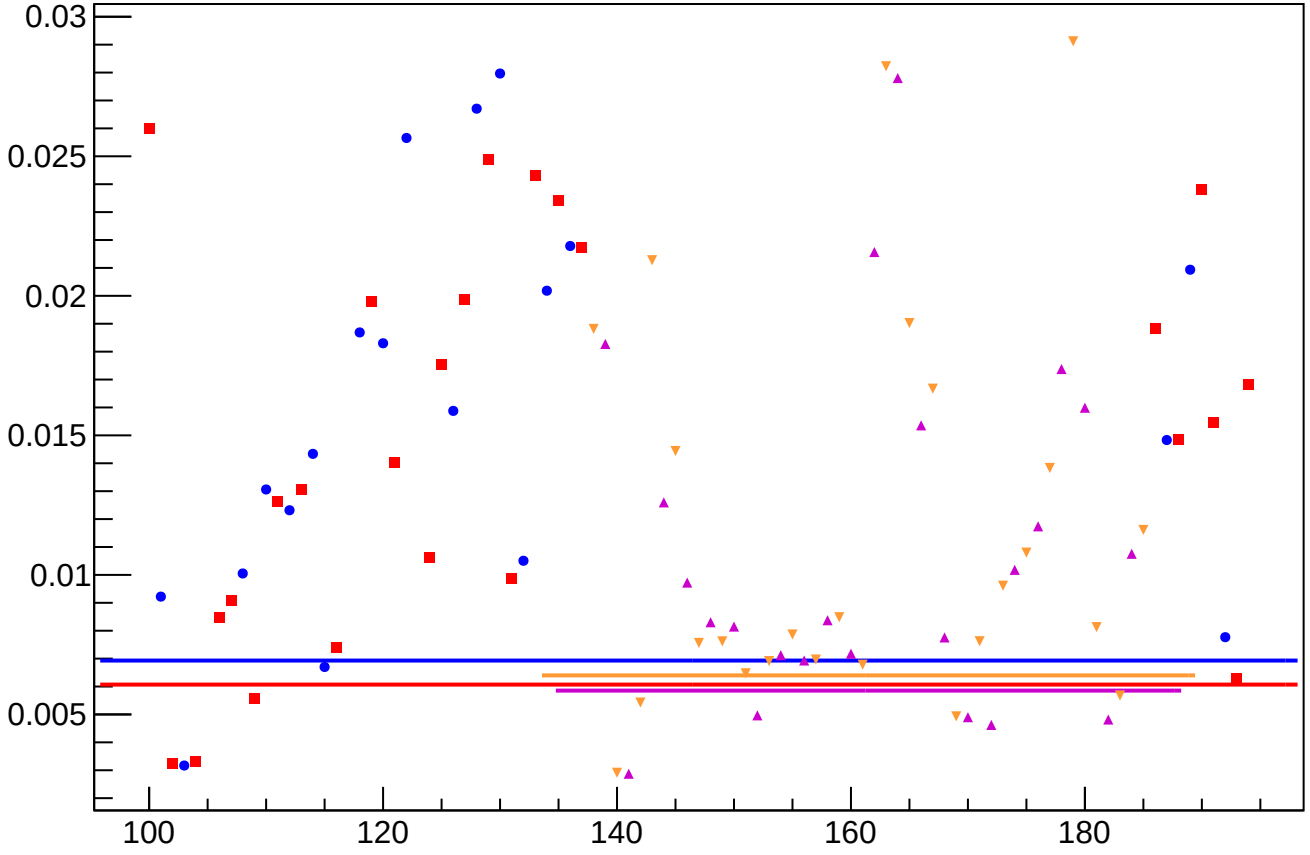
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.2/43

All: -0.000+/-0.000 χ^2/NDF: 133.8/91

- sign 0.000+/-0.000 χ^2/NDF: 64.0/47

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: 8171881.0/24

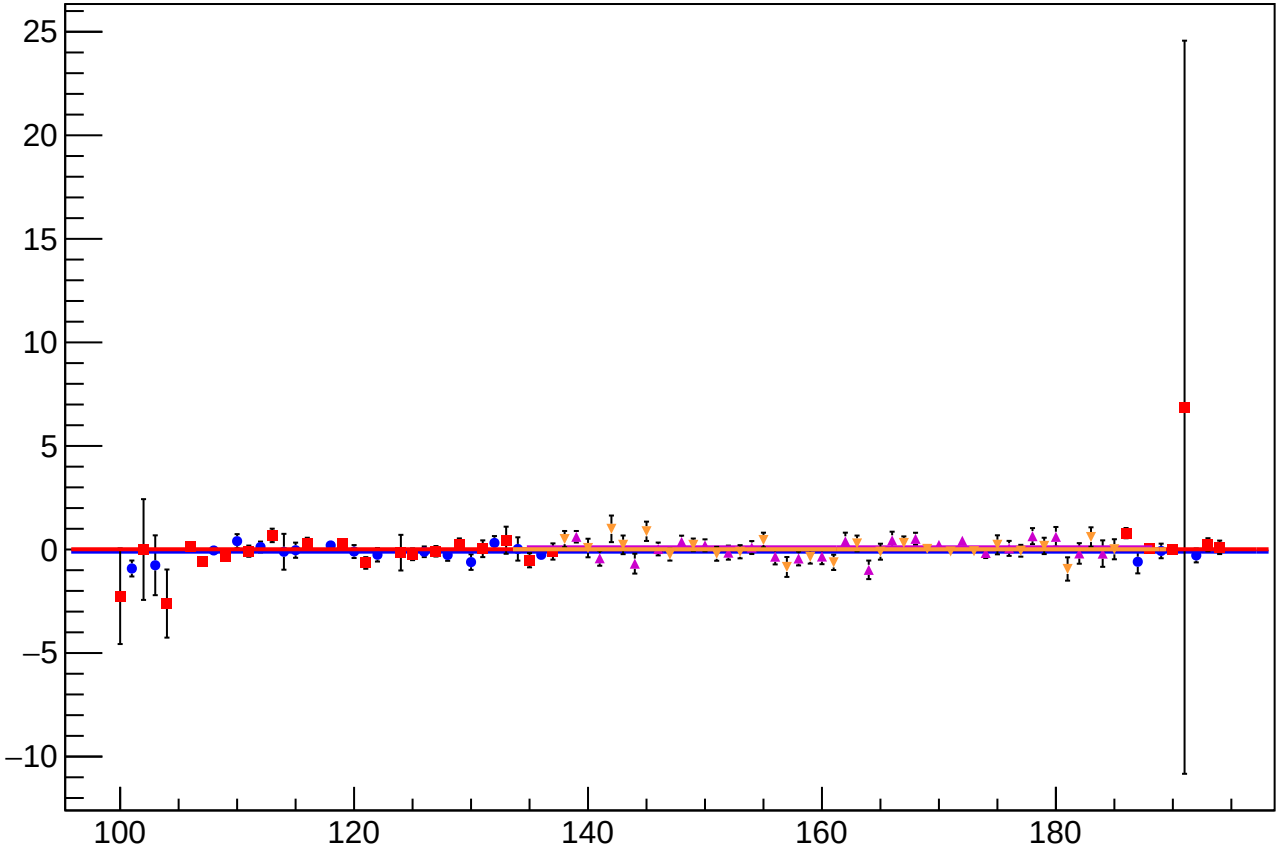
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 15510281.7/43

All: 0.006+/-0.000 χ^2/NDF: 32016361.0/91

- sign 0.006+/-0.000 χ^2/NDF: 16327524.3/47

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: 0.011+/-0.056 χ^2/NDF: 40.7/24

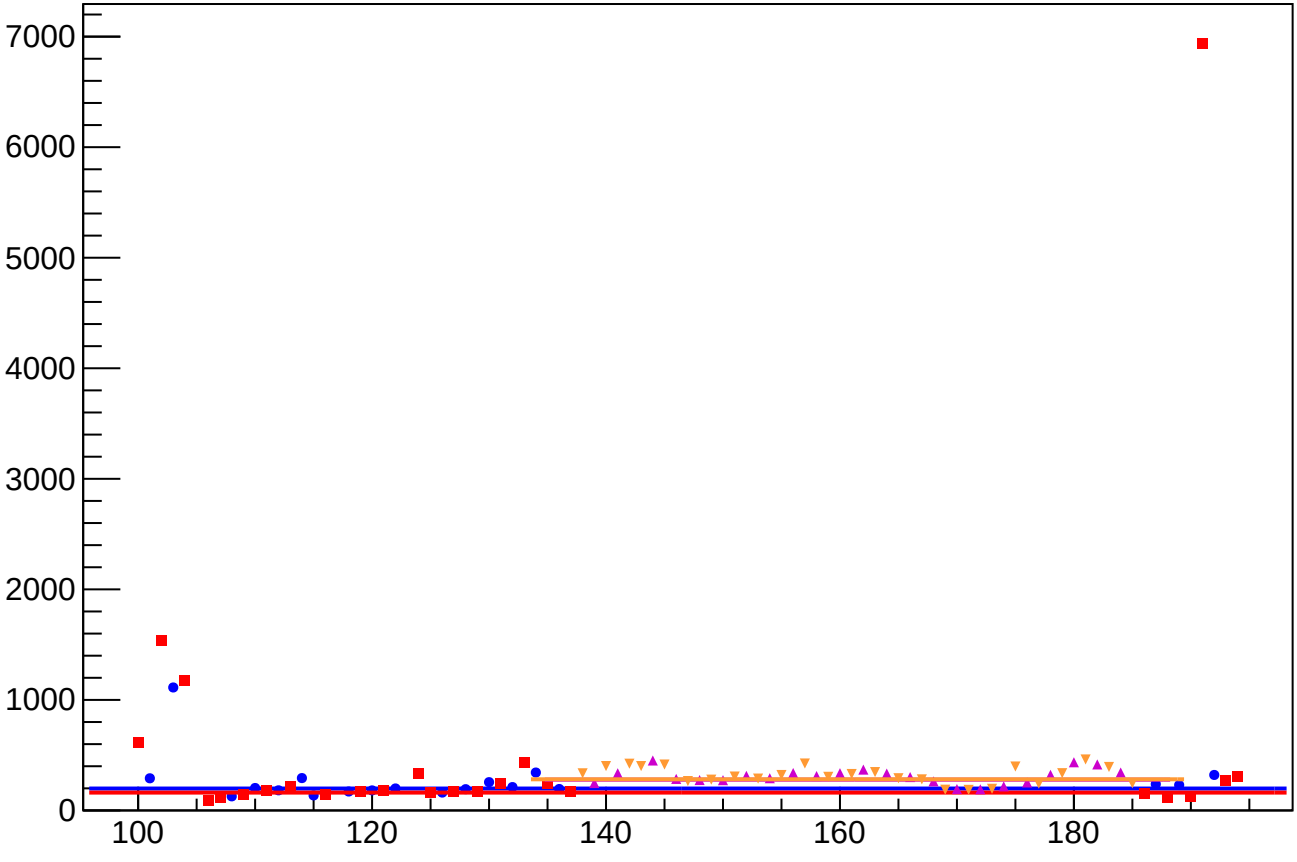
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.043+/-0.050 χ^2/NDF: 41.6/43

All: 0.009+/-0.033 χ^2/NDF: 116.8/91

\- sign 0.049+/-0.044 χ^2/NDF: 73.3/47

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: 161.584+/-0.040 χ^2/NDF: 3856894.3/24

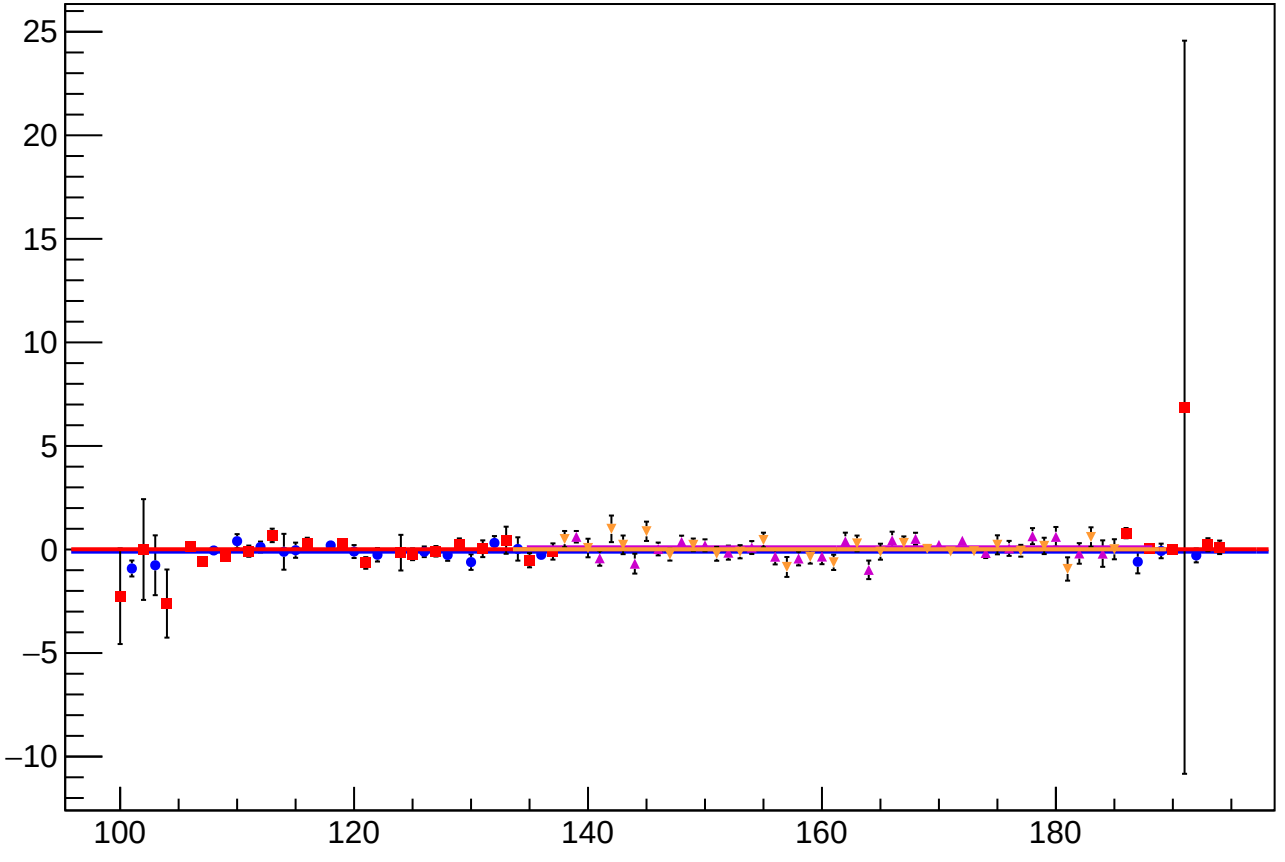
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 242.749+/-0.035 χ^2/NDF: 5715398.5/43

All: 223.543+/-0.023 χ^2/NDF: 15361515.9/91

- sign 208.741+/-0.031 χ^2/NDF: 9116080.5/47

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: 0.011+/-0.056 χ^2/NDF: 40.7/24

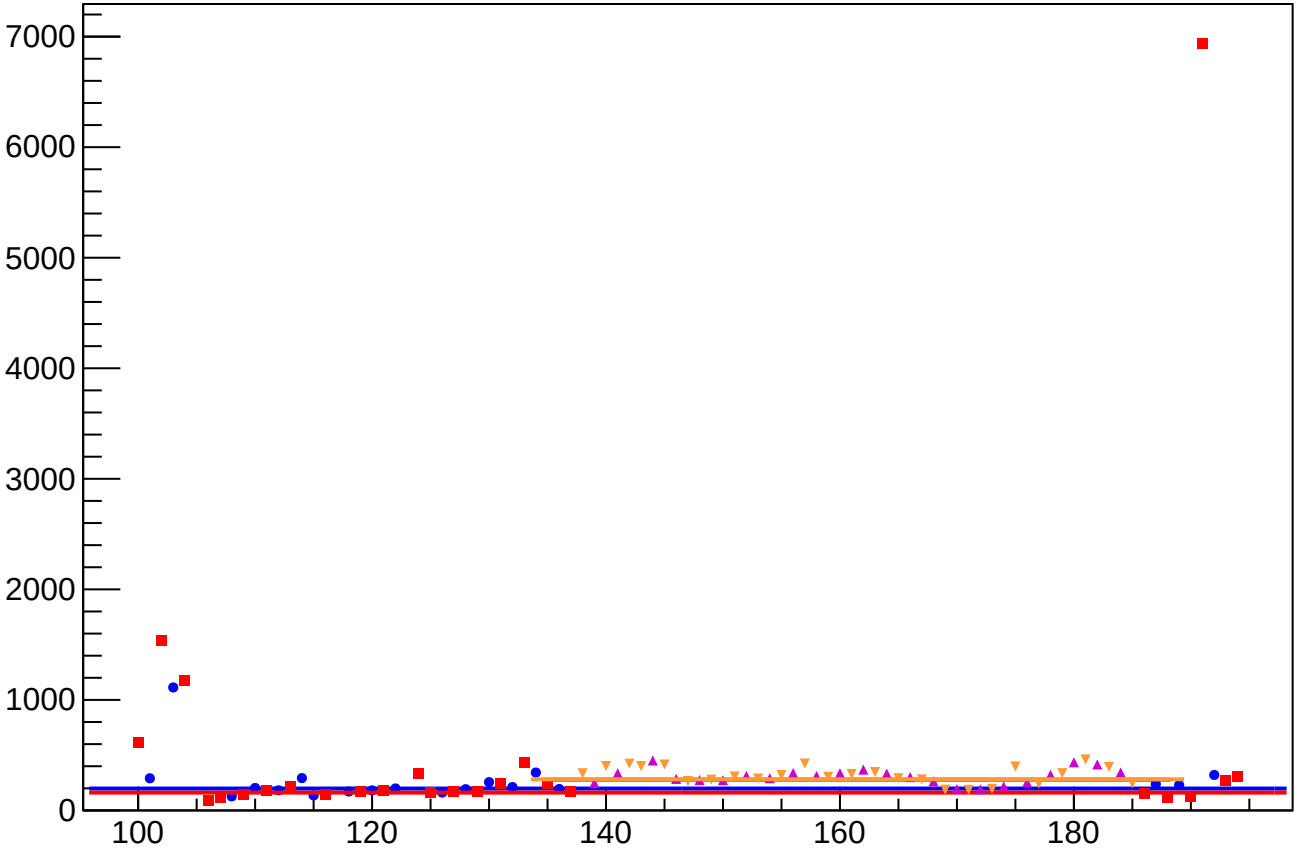
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.043+/-0.050 χ^2/NDF: 41.6/43

All: 0.009+/-0.033 χ^2/NDF: 116.8/91

\- sign 0.049+/-0.044 χ^2/NDF: 73.3/47

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: 161.584+/-0.040 χ^2/NDF: 3856894.3/24

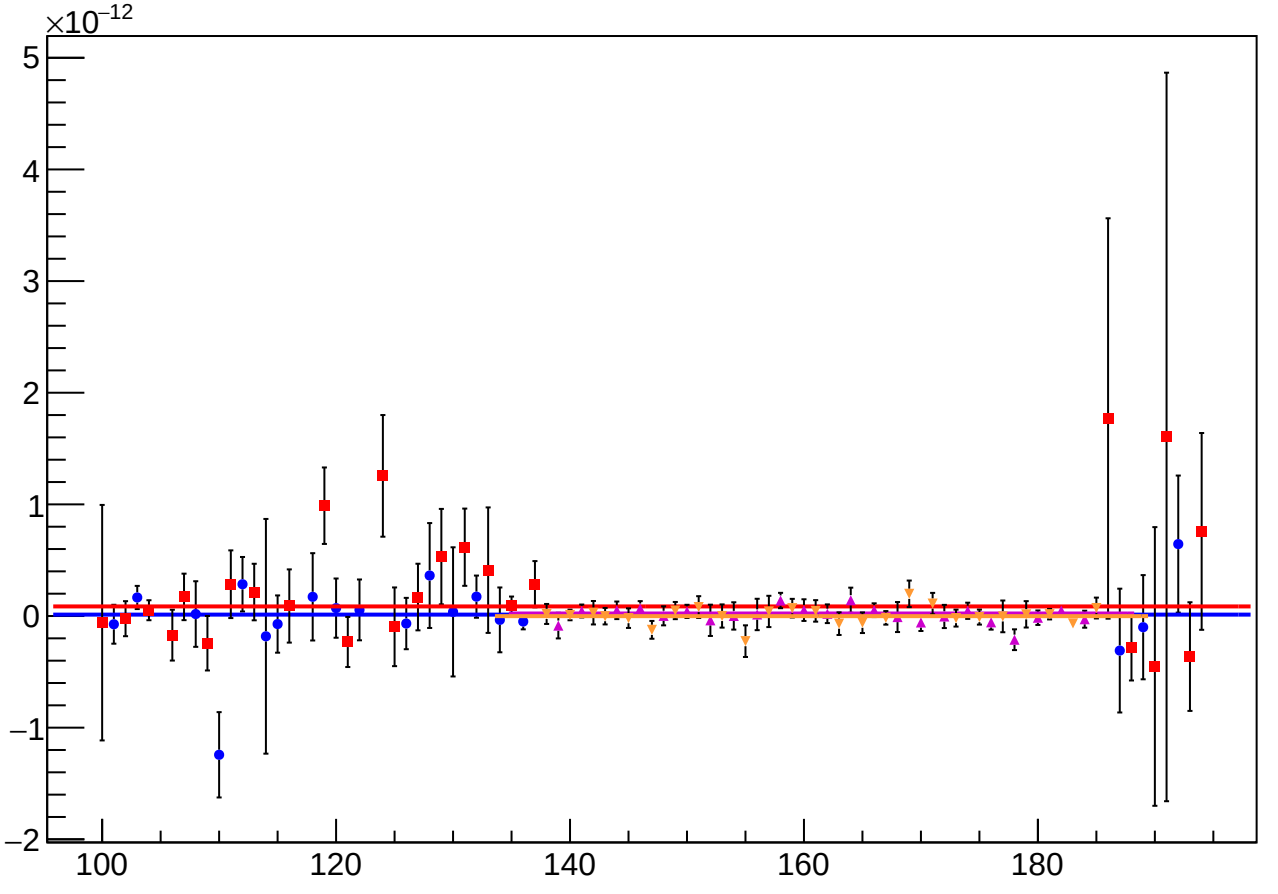
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 242.749+/-0.035 χ^2/NDF: 5715398.5/43

All: 223.543+/-0.023 χ^2/NDF: 15361515.9/91

- sign 208.741+/-0.031 χ^2/NDF: 9116080.5/47

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: 27.5/24

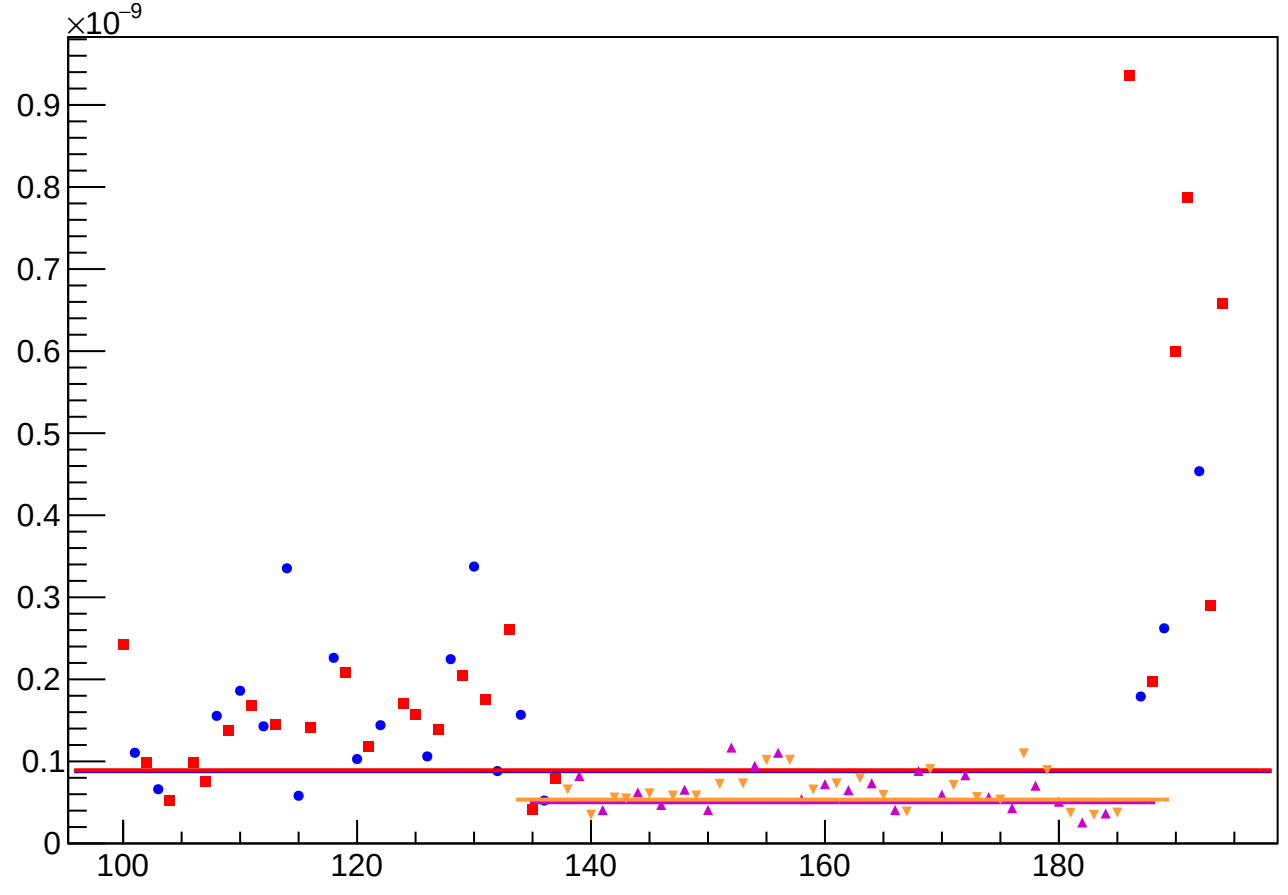
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.0/43

All: 0.000+/-0.000 χ^2/NDF: 82.2/91

- sign 0.000+/-0.000 χ^2/NDF: 46.2/47

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: 4640493.4/24

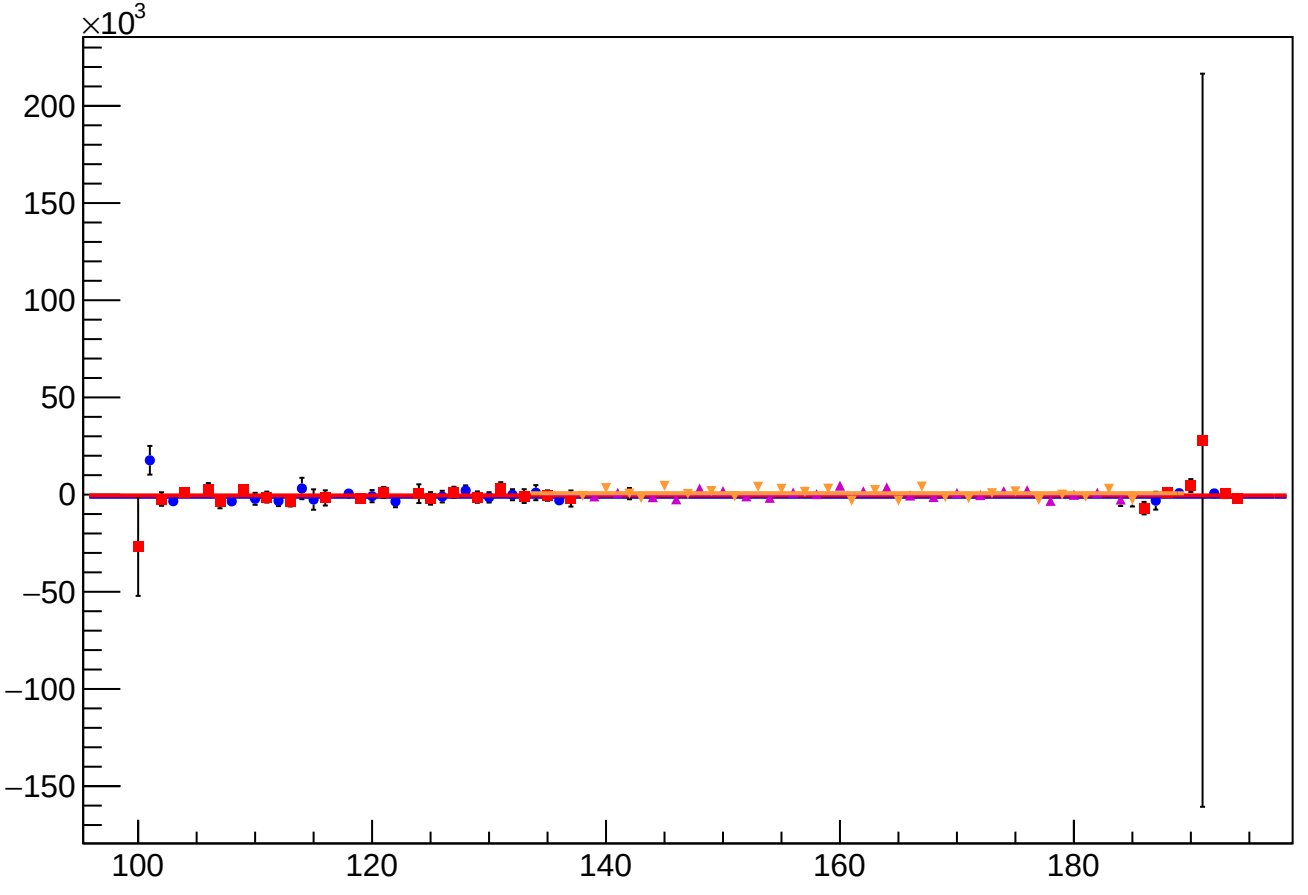
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7001012.6/43

All: 0.000+/-0.000 χ^2/NDF: 16447233.2/91

- sign 0.000+/-0.000 χ^2/NDF: 9411824.9/47

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: -410.136+/-589.102 χ^2/NDF: 17.7/24

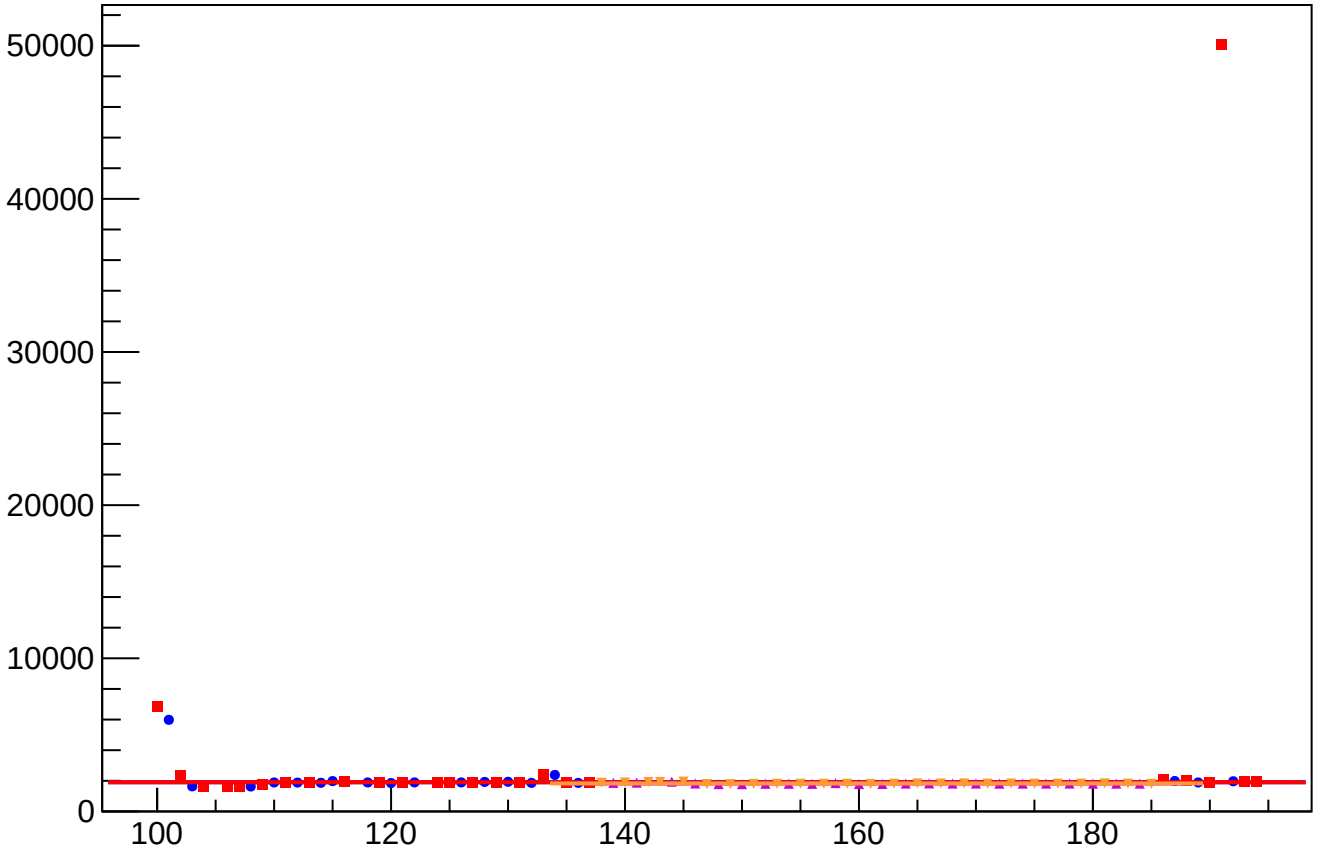
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

\+ sign 176.476+/-350.210 χ^2/NDF: 52.7/43

All: 149.719+/-245.886 χ^2/NDF: 92.5/91

\- sign 123.705+/-345.314 χ^2/NDF: 39.7/47

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

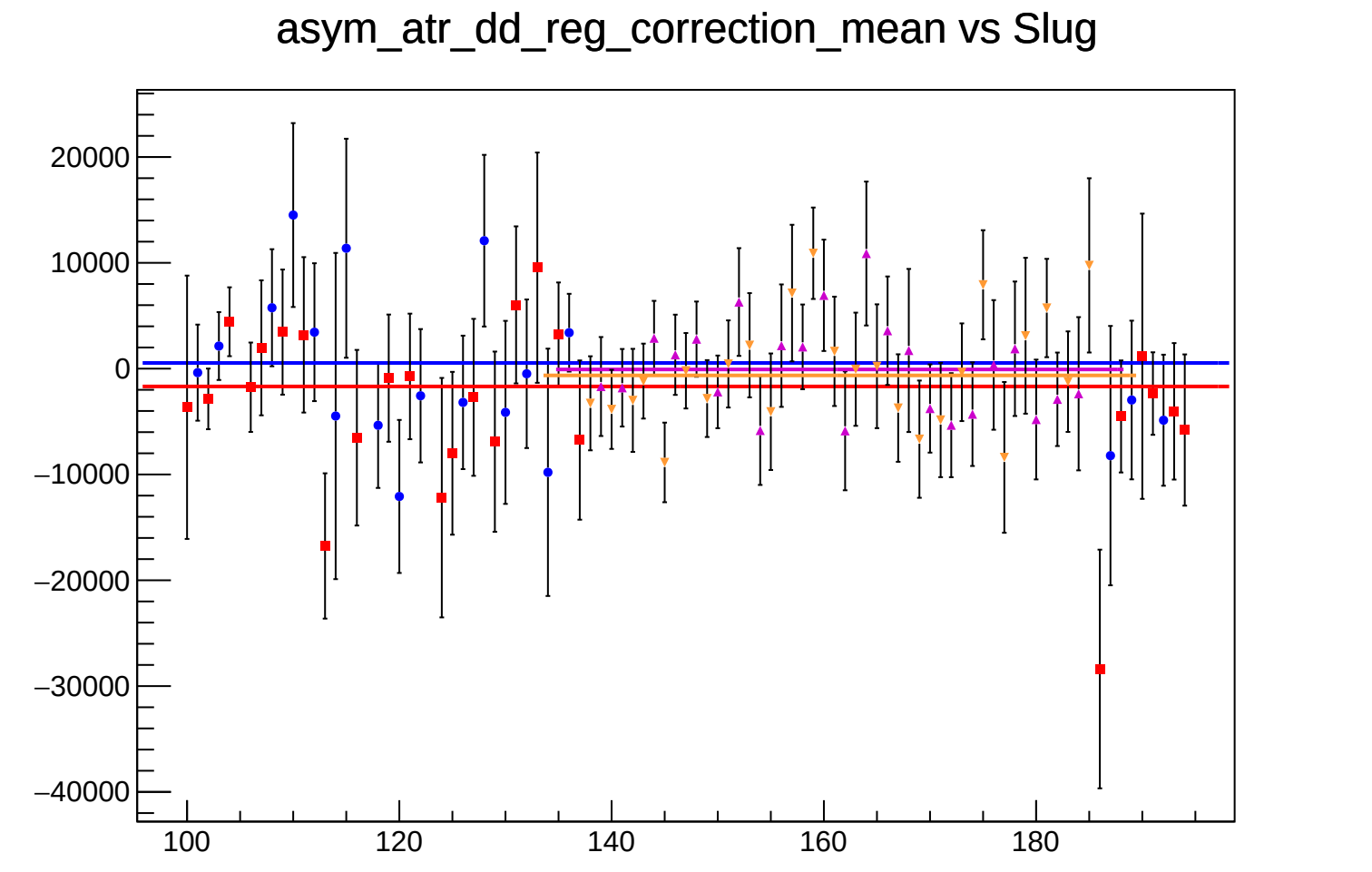
Right Out: 1909.211+/-0.416 χ^2/NDF: 369868.6/24

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

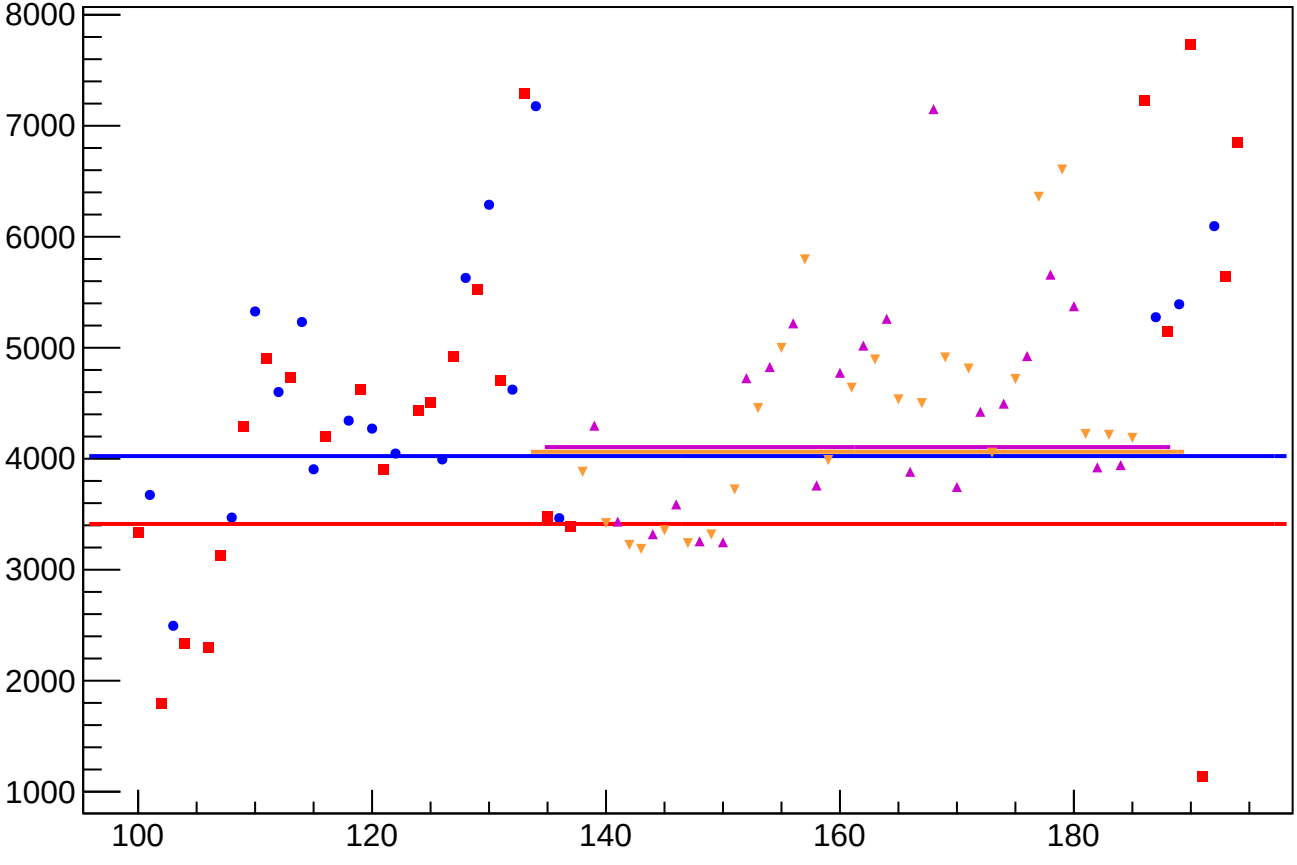
+ sign 1851.323+/-0.248 χ^2/NDF: 741229.5/43

All: 1852.749+/-0.174 χ^2/NDF: 1151328.9/91

- sign 1854.133+/-0.244 χ^2/NDF: 410034.1/47


asym_atr_dd_reg_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: 539.726+/-1403.697 χ²/NDF: 15.0/18
Left Out: -637.703+/-946.866 χ²/NDF:26.0/24
Right Out: -1681.756+/-1159.614 χ²/NDF: 22.4/24
Left In: -75.764+/-980.243 χ²/NDF:15.4/22
+ sign -269.493+/-784.972 χ²/NDF: 41.5/43
All: -518.555+/-541.747 χ²/NDF: 80.7/91
- sign -745.079+/-748.612 χ²/NDF: 39.0/47

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: 3412.443+/-0.820 χ^2/NDF: 3920873.2/24

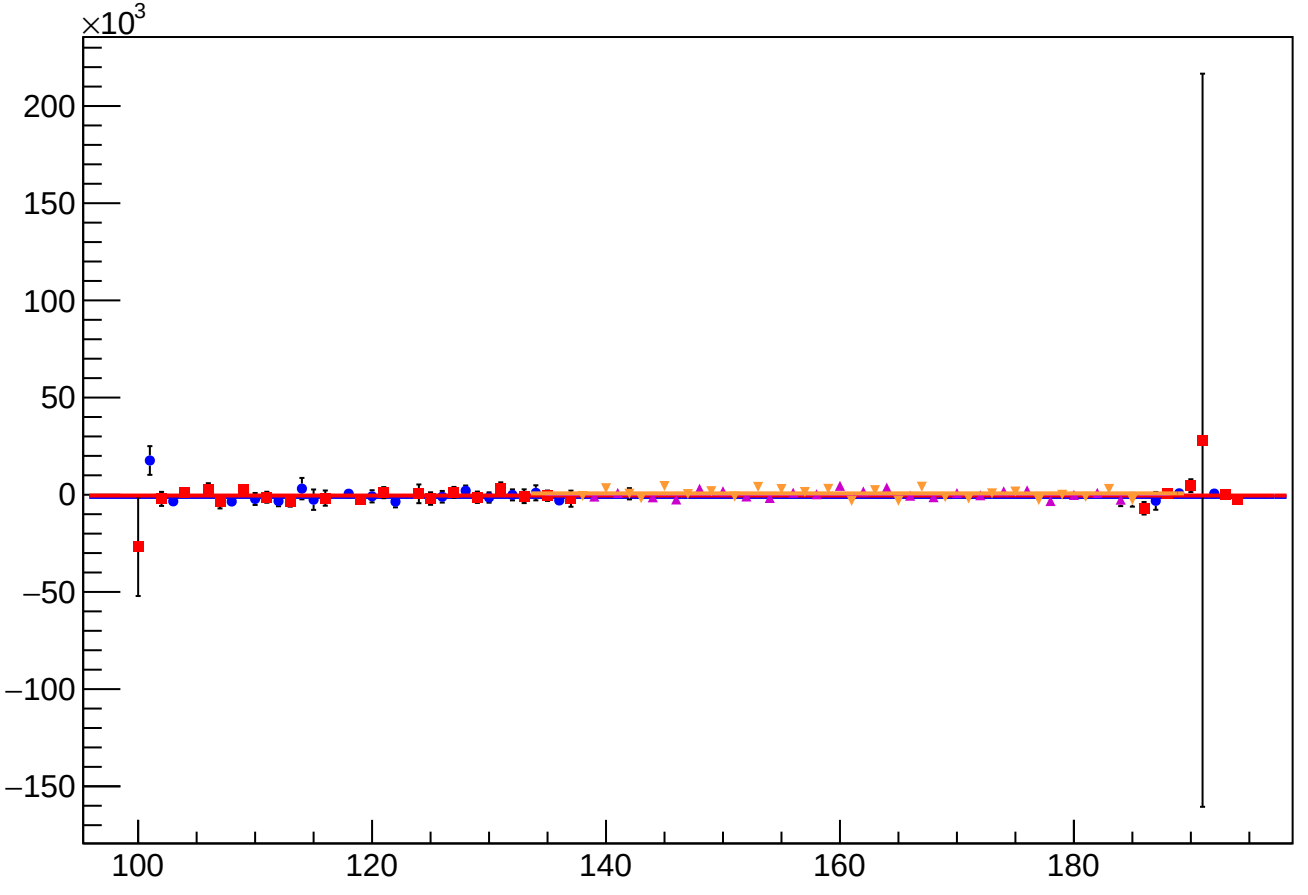
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4050.845+/-0.555 χ^2/NDF: 2707133.3/43

All: 3928.068+/-0.383 χ^2/NDF: 8497059.7/91

- sign 3816.403+/-0.529 χ^2/NDF: 5696499.7/47

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: -402.921+/-589.660 χ^2/NDF: 17.7/24

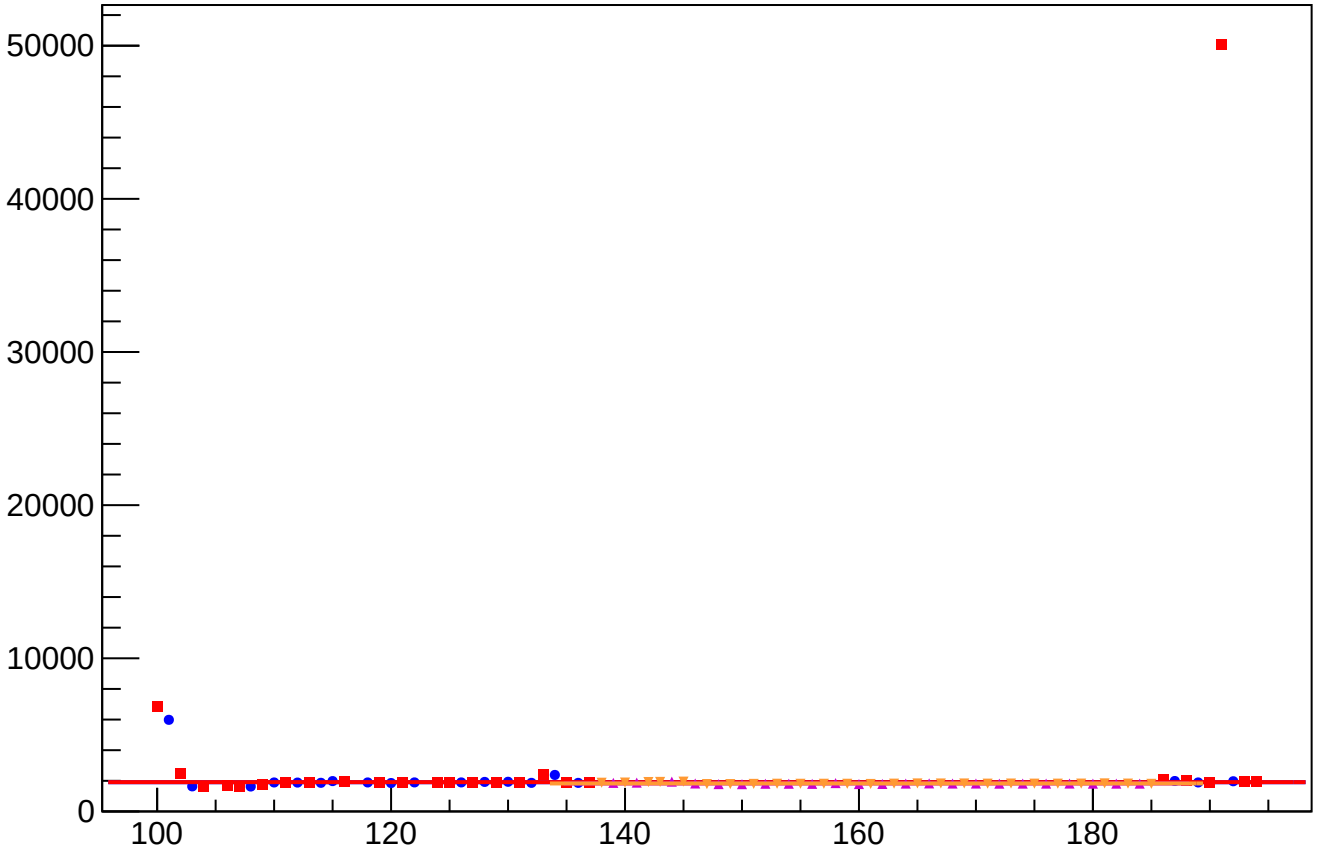
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 176.422+/-350.210 χ^2/NDF: 52.7/43

All: 151.078+/-245.927 χ^2/NDF: 92.4/91

- sign 126.421+/-345.426 χ^2/NDF: 39.7/47

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

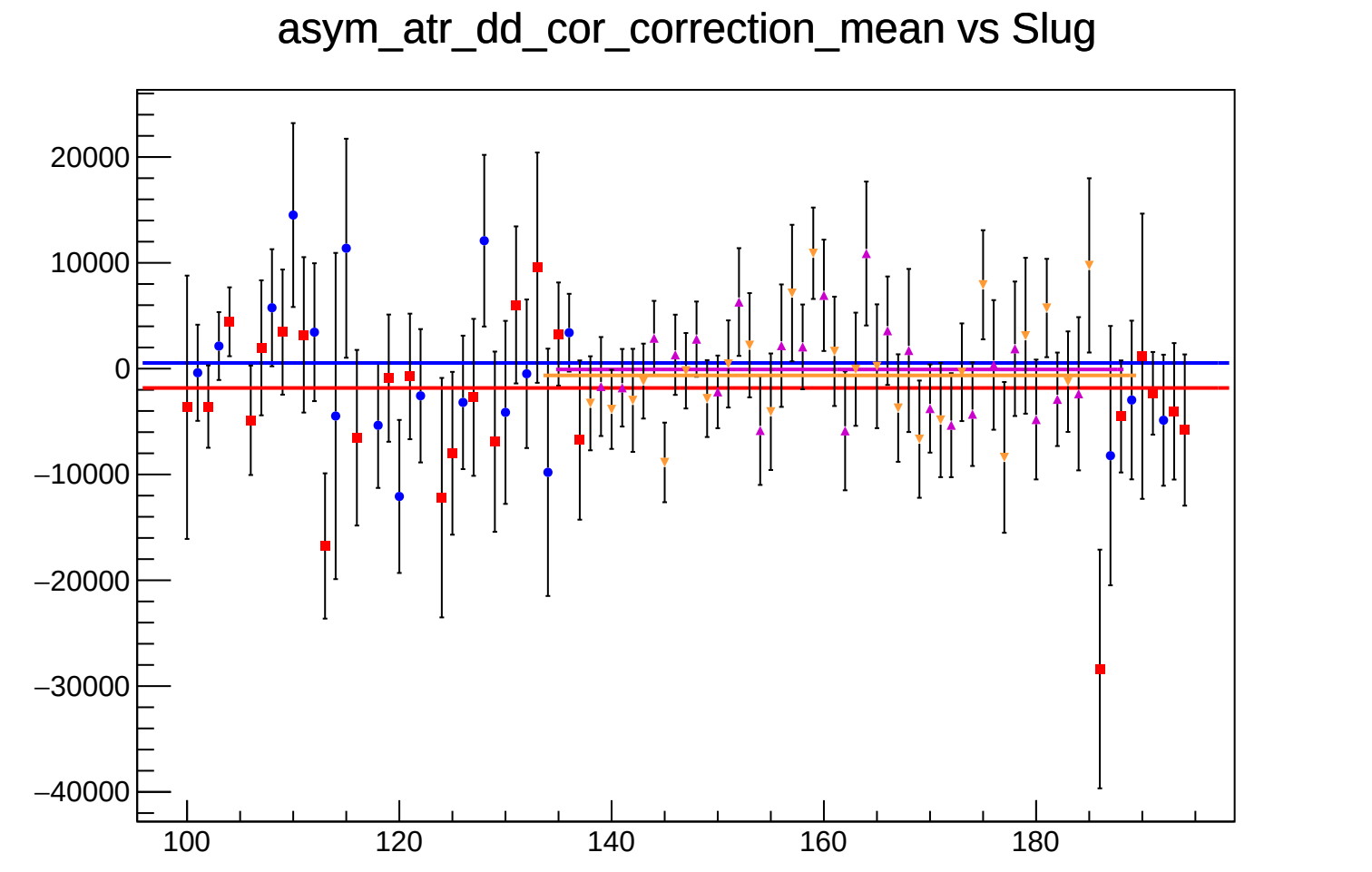
Right Out: 1914.118+/-0.416 χ^2/NDF: 376875.5/24

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1851.323+/-0.248 χ^2/NDF: 741229.5/43

All: 1853.560+/-0.174 χ^2/NDF: 1161564.2/91

- sign 1855.734+/-0.244 χ^2/NDF: 420173.8/47



Right In: 538.541+/-1403.845 χ^2/NDF: 15.0/18

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1825.889+/-1222.432 χ^2/NDF: 22.9/24

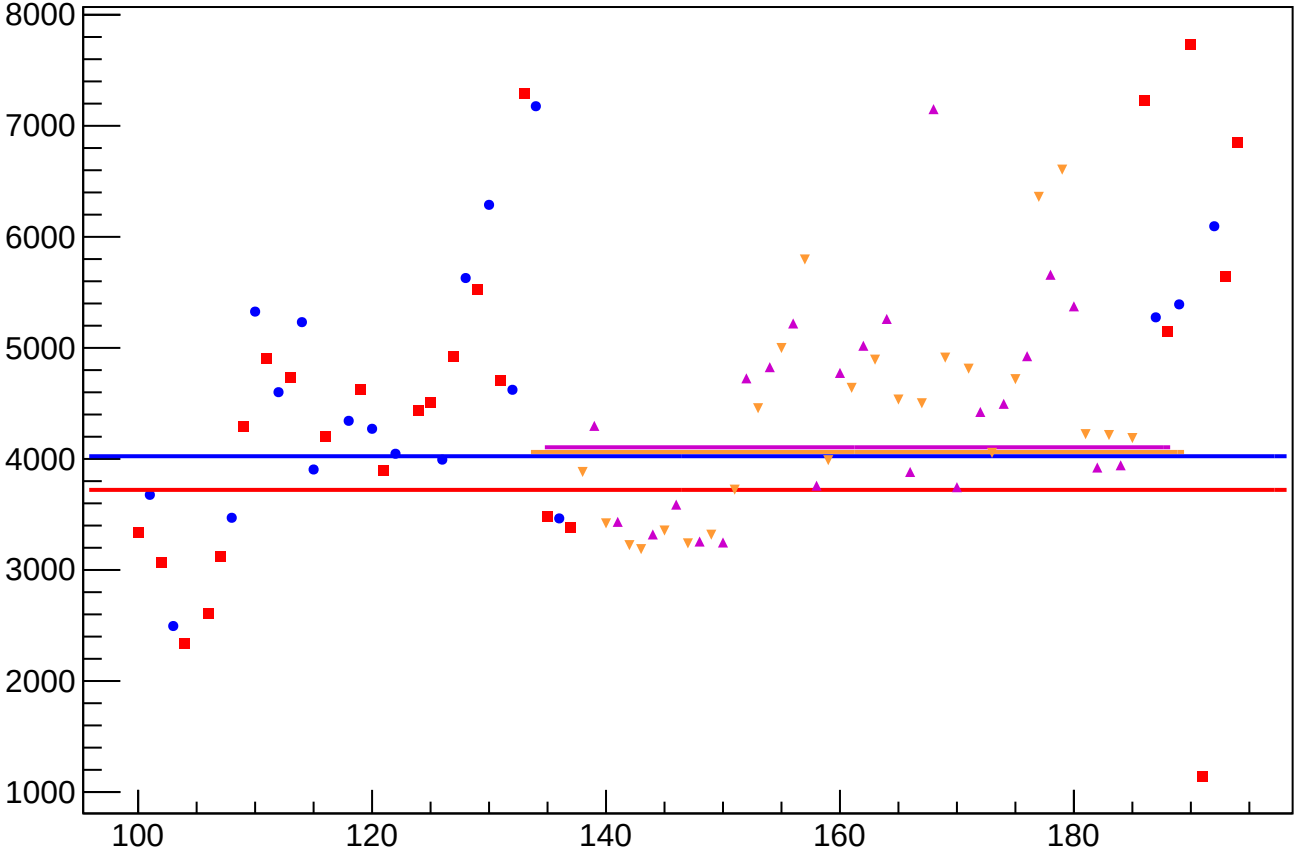
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

\+ sign -269.928+/-784.997 χ^2/NDF: 41.5/43

All: -521.733+/-547.774 χ^2/NDF: 81.2/91

\- sign -760.709+/-764.739 χ^2/NDF: 39.6/47

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: 3721.261+/-0.864 χ^2/NDF: 3079795.7/24

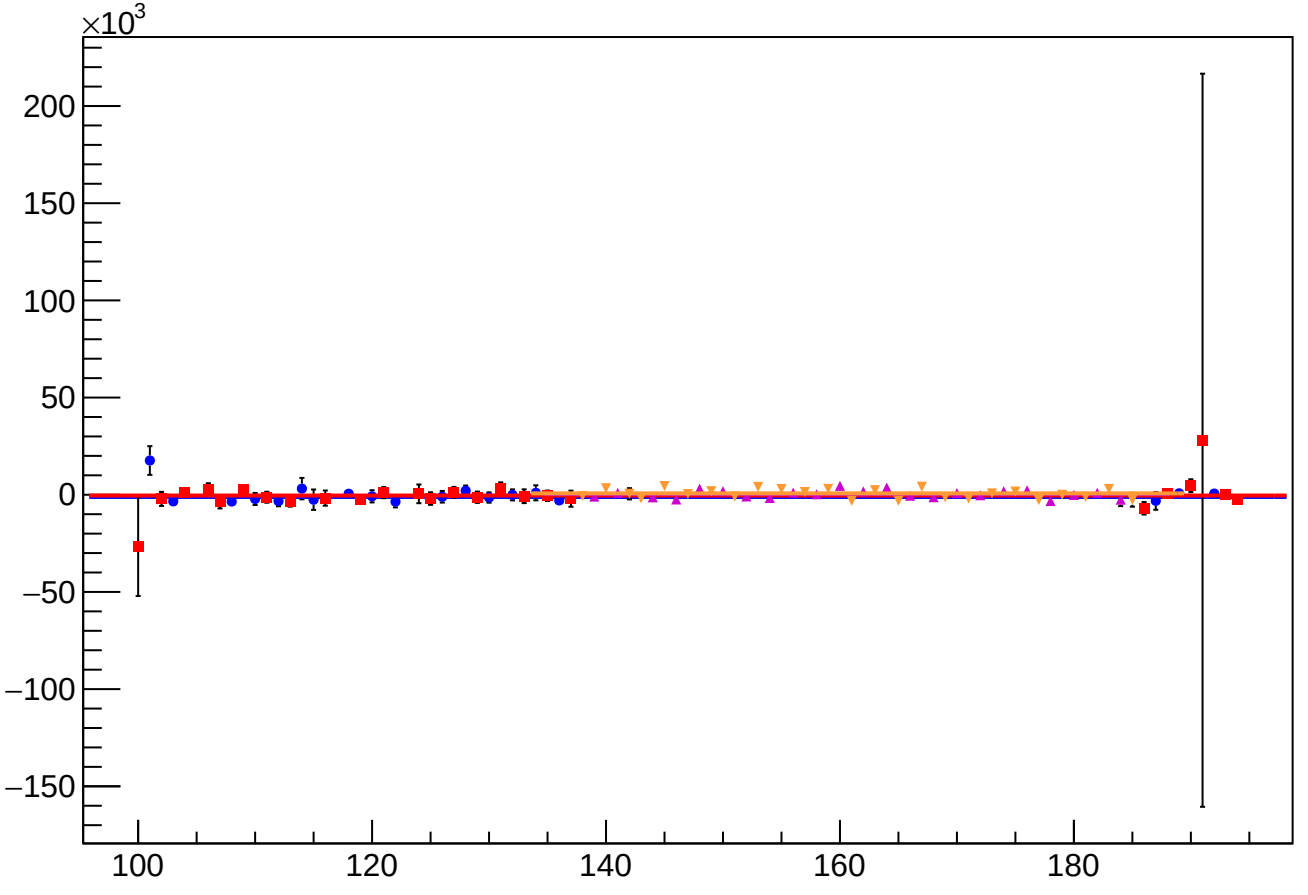
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4051.005+/-0.555 χ^2/NDF: 2706445.0/43

All: 4001.671+/-0.387 χ^2/NDF: 7281123.7/91

- sign 3954.850+/-0.541 χ^2/NDF: 4559282.3/47

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1124.801+/-651.241 χ^2/NDF: 15.1/18

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -402.921+/-589.660 χ^2/NDF: 17.7/24

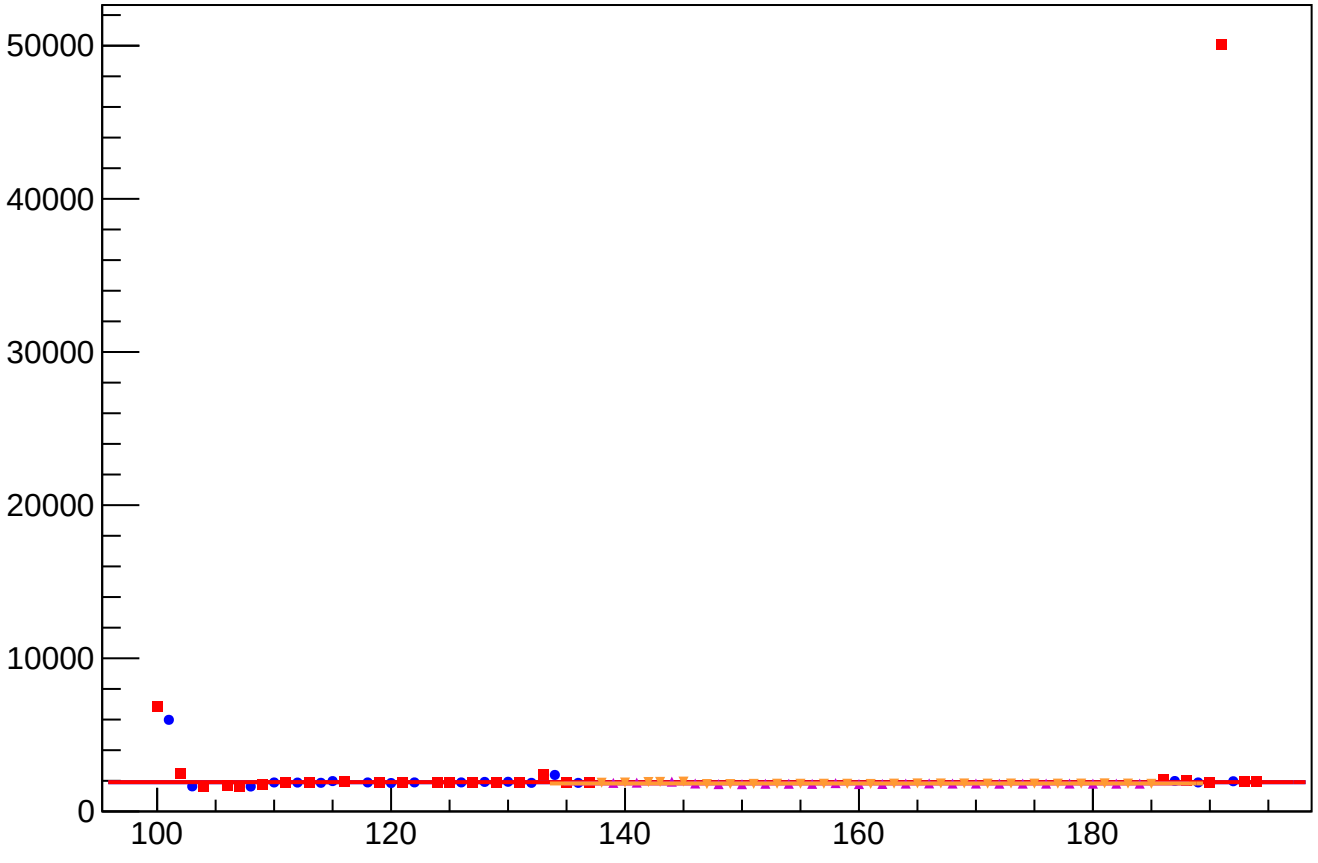
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

\+ sign 176.422+/-350.210 χ^2/NDF: 52.7/43

All: 151.078+/-245.927 χ^2/NDF: 92.4/91

\- sign 126.421+/-345.426 χ^2/NDF: 39.7/47

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

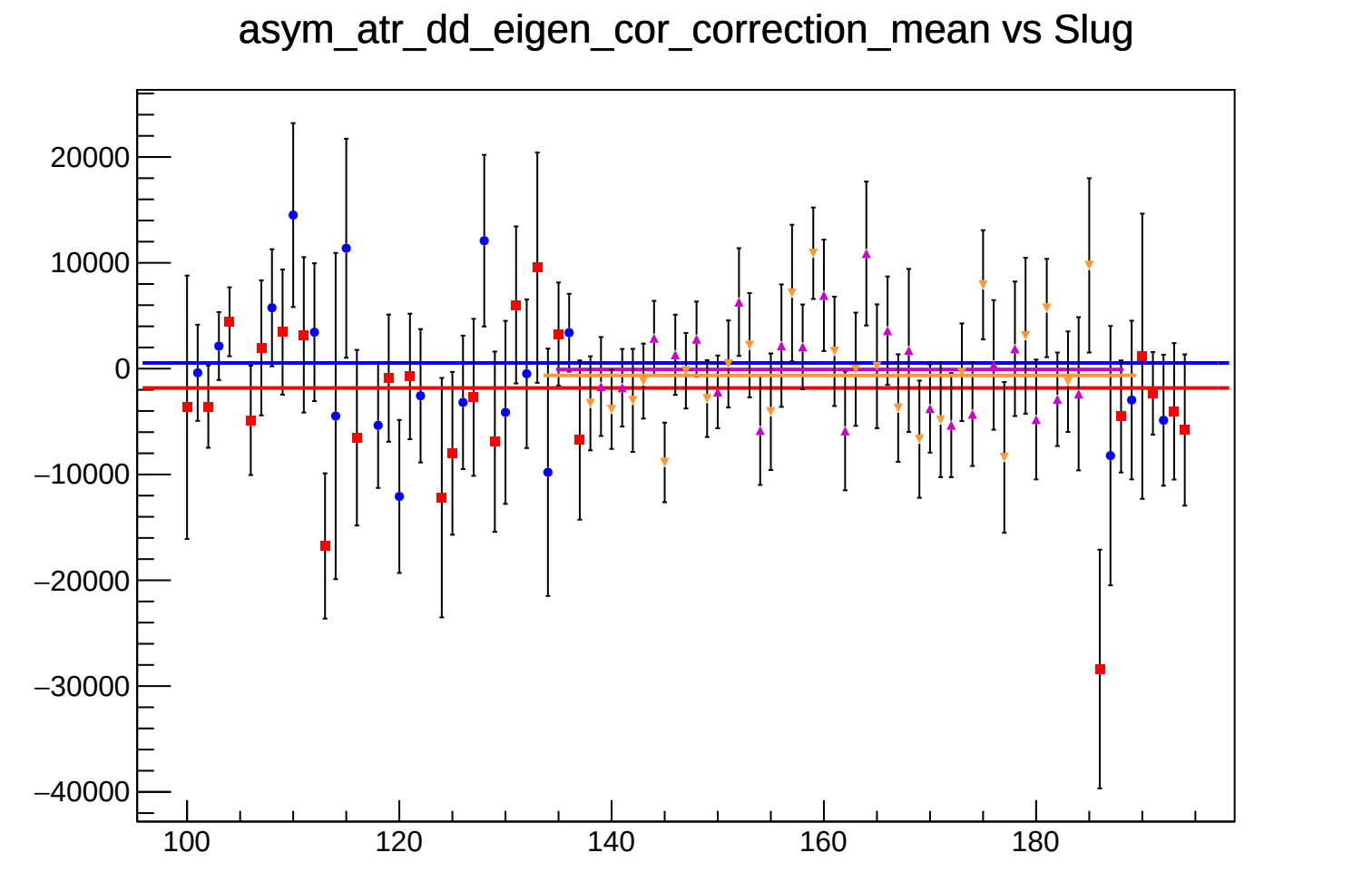
Right Out: 1914.118+/-0.416 χ^2/NDF: 376875.5/24

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1851.323+/-0.248 χ^2/NDF: 741229.5/43

All: 1853.560+/-0.174 χ^2/NDF: 1161564.2/91

- sign 1855.734+/-0.244 χ^2/NDF: 420173.8/47



Right In: 538.541+/-1403.845 χ^2/NDF: 15.0/18

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1825.889+/-1222.432 χ^2/NDF: 22.9/24

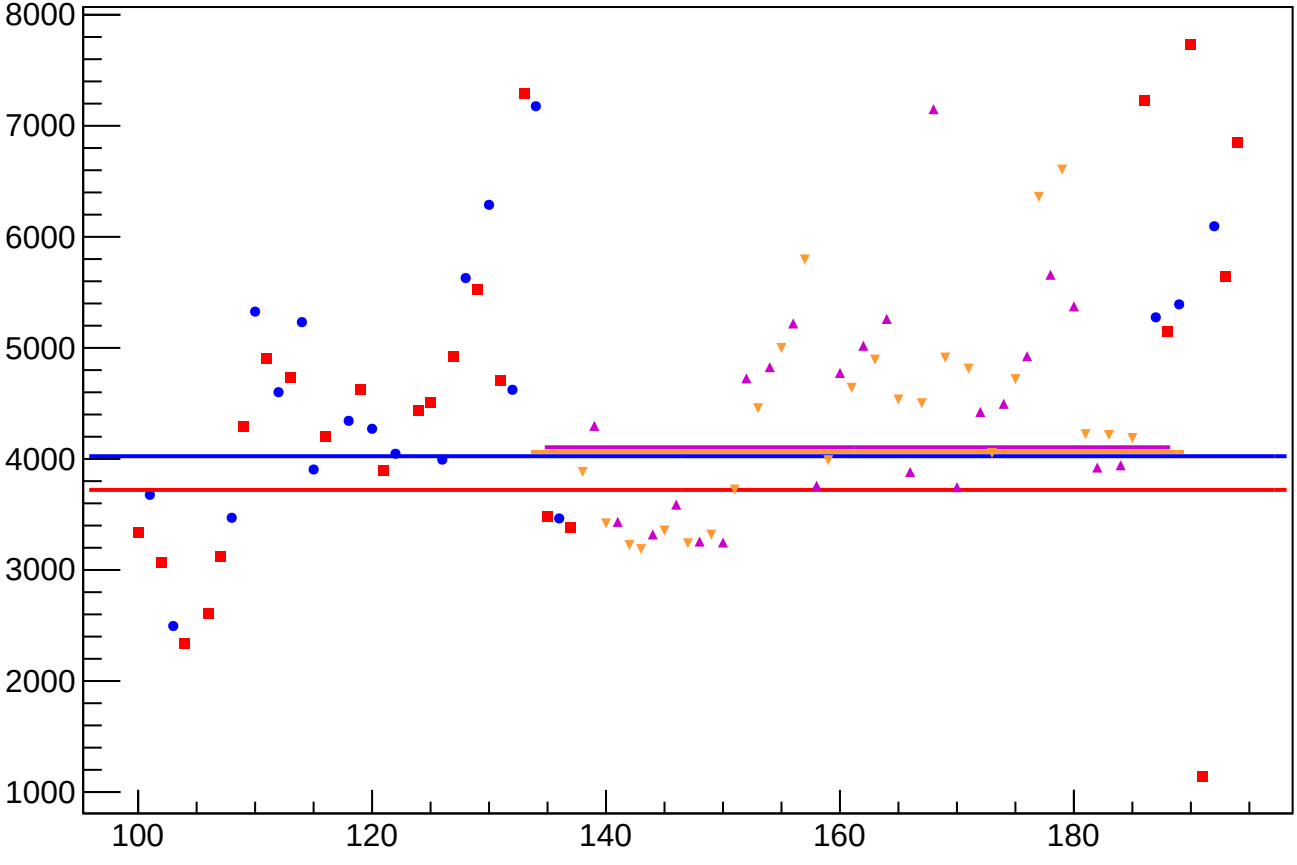
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

\+ sign -269.928+/-784.997 χ^2/NDF: 41.5/43

All: -521.733+/-547.774 χ^2/NDF: 81.2/91

\- sign -760.709+/-764.739 χ^2/NDF: 39.6/47

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: 3721.261+/-0.864 χ^2/NDF: 3079795.7/24

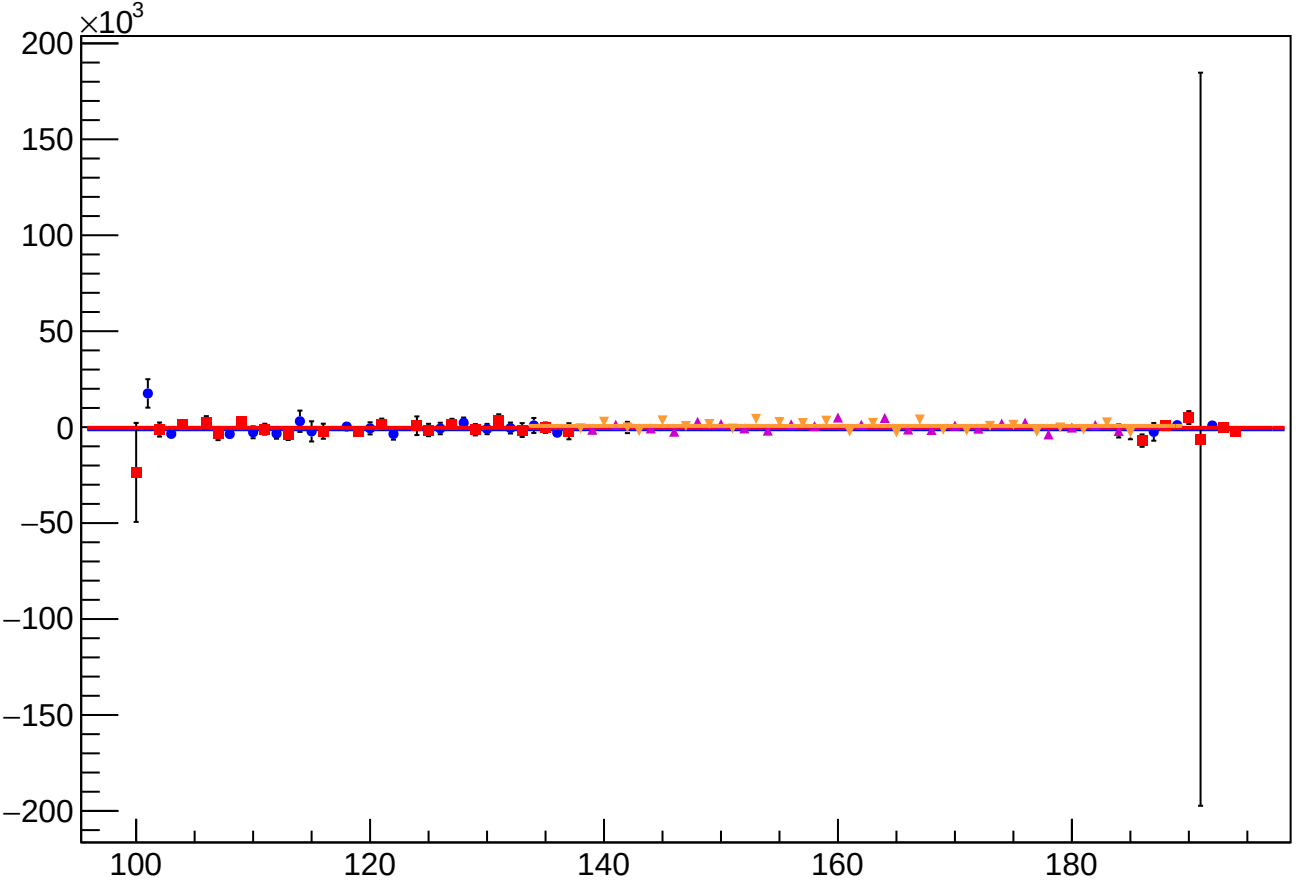
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4051.005+/-0.555 χ^2/NDF: 2706445.0/43

All: 4001.671+/-0.387 χ^2/NDF: 7281123.7/91

- sign 3954.850+/-0.541 χ^2/NDF: 4559282.3/47

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: -350.260+/-593.869 χ^2/NDF: 19.2/24

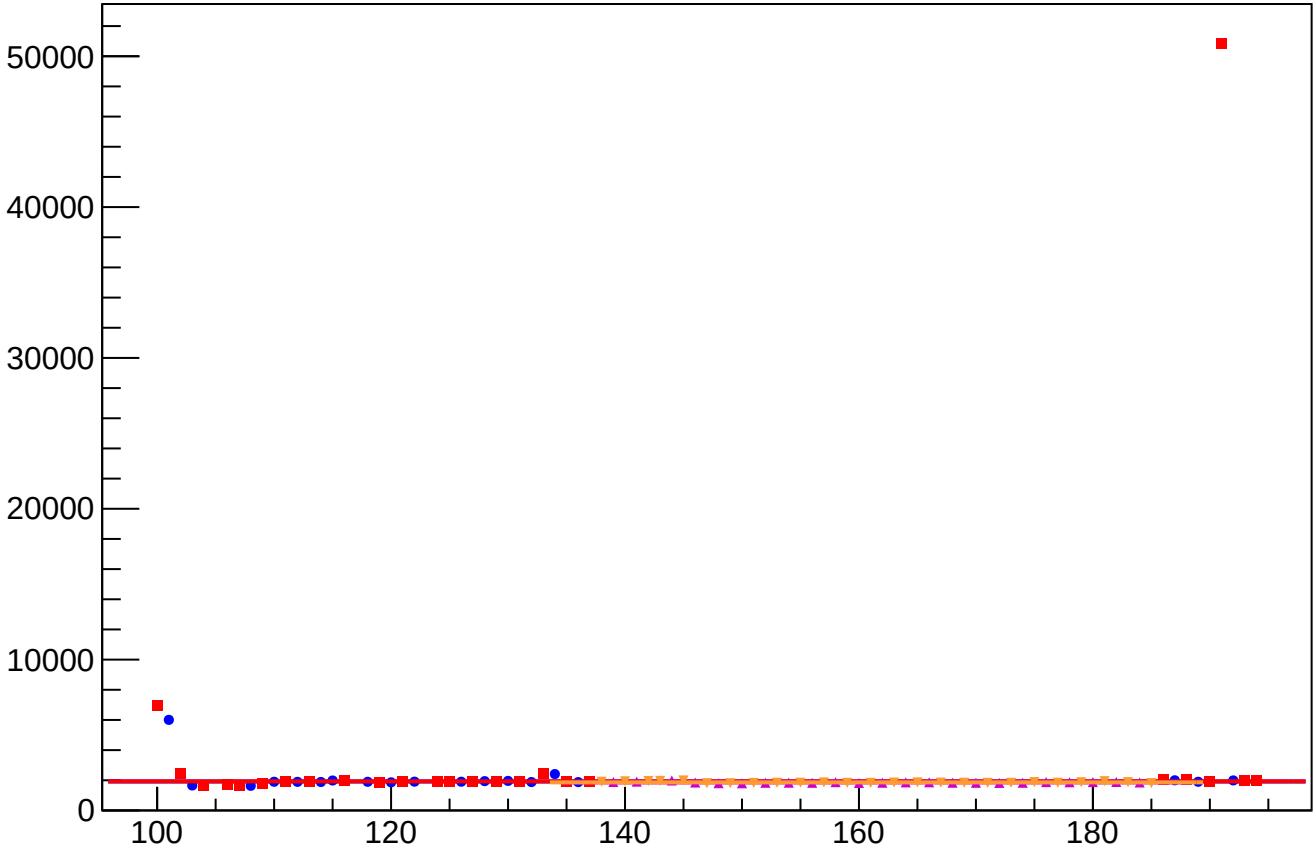
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 146.568+/-355.529 χ^2/NDF: 47.5/43

All: 146.282+/-249.537 χ^2/NDF: 91.4/91

- sign 146.005+/-350.327 χ^2/NDF: 43.9/47

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

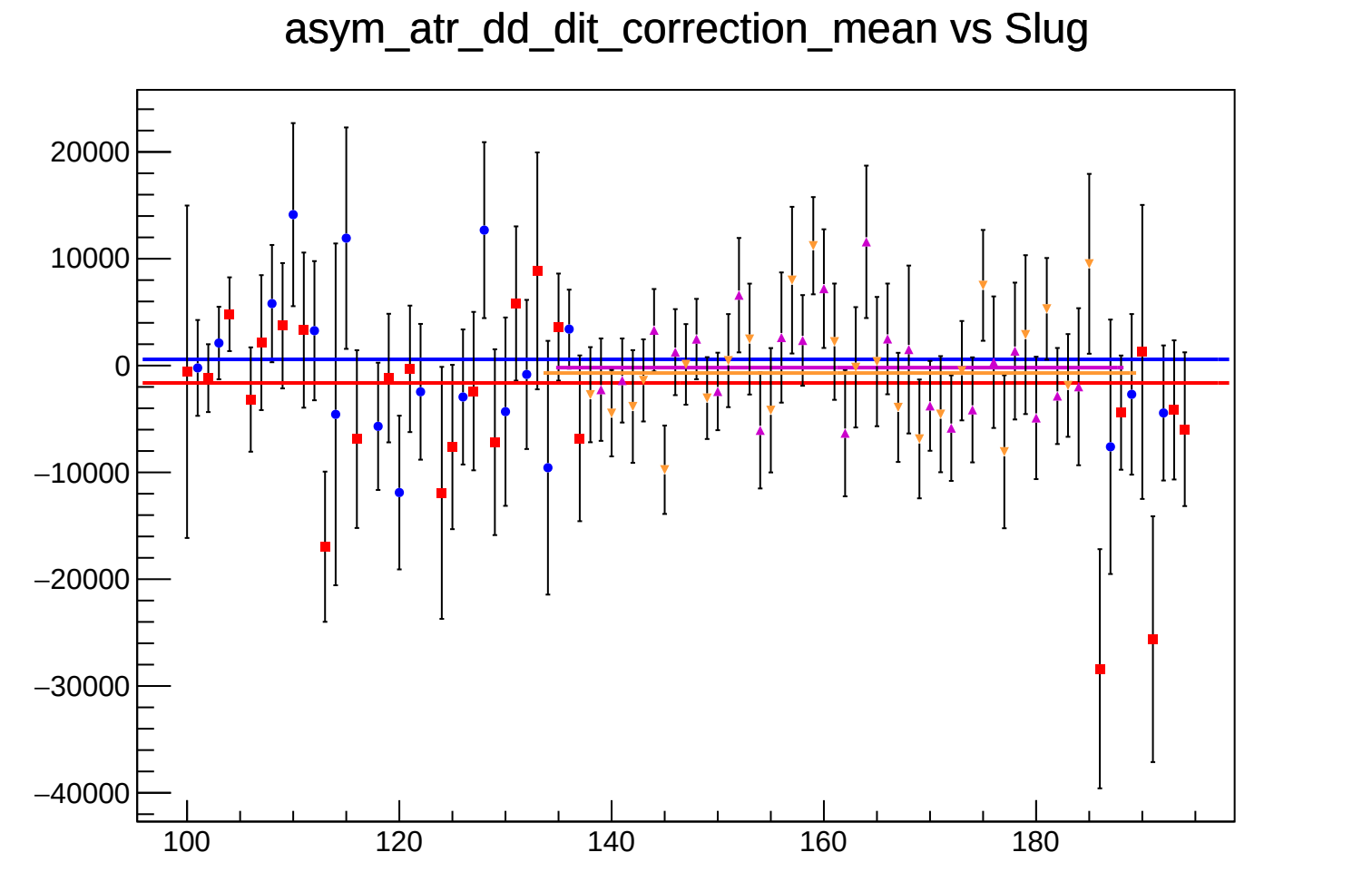
Right Out: 1927.664+/-0.420 χ^2/NDF: 380034.7/24

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1879.392+/-0.251 χ^2/NDF: 737523.4/43

All: 1880.738+/-0.176 χ^2/NDF: 1152132.4/91

- sign 1882.045+/-0.248 χ^2/NDF: 414552.5/47



Right In: 579.382+/-1420.508 χ^2/NDF: 14.9/18

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -1628.641+/-1259.056 χ^2/NDF: 26.6/24

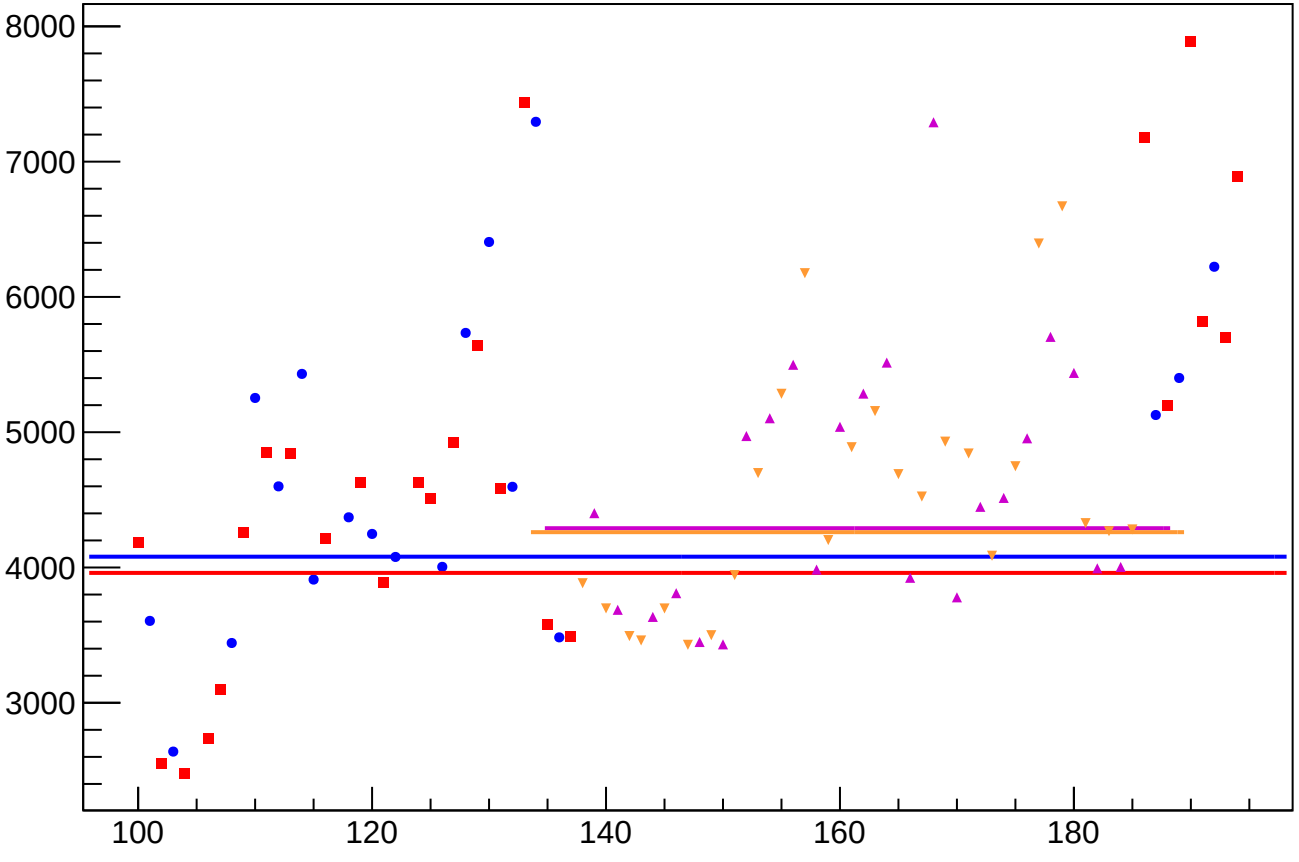
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -280.566+/-812.227 χ^2/NDF: 40.7/43

All: -527.459+/-567.672 χ^2/NDF: 83.5/91

- sign -763.223+/-793.711 χ^2/NDF: 42.6/47

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: 3960.007+/-0.890 χ^2/NDF: 2335101.6/24

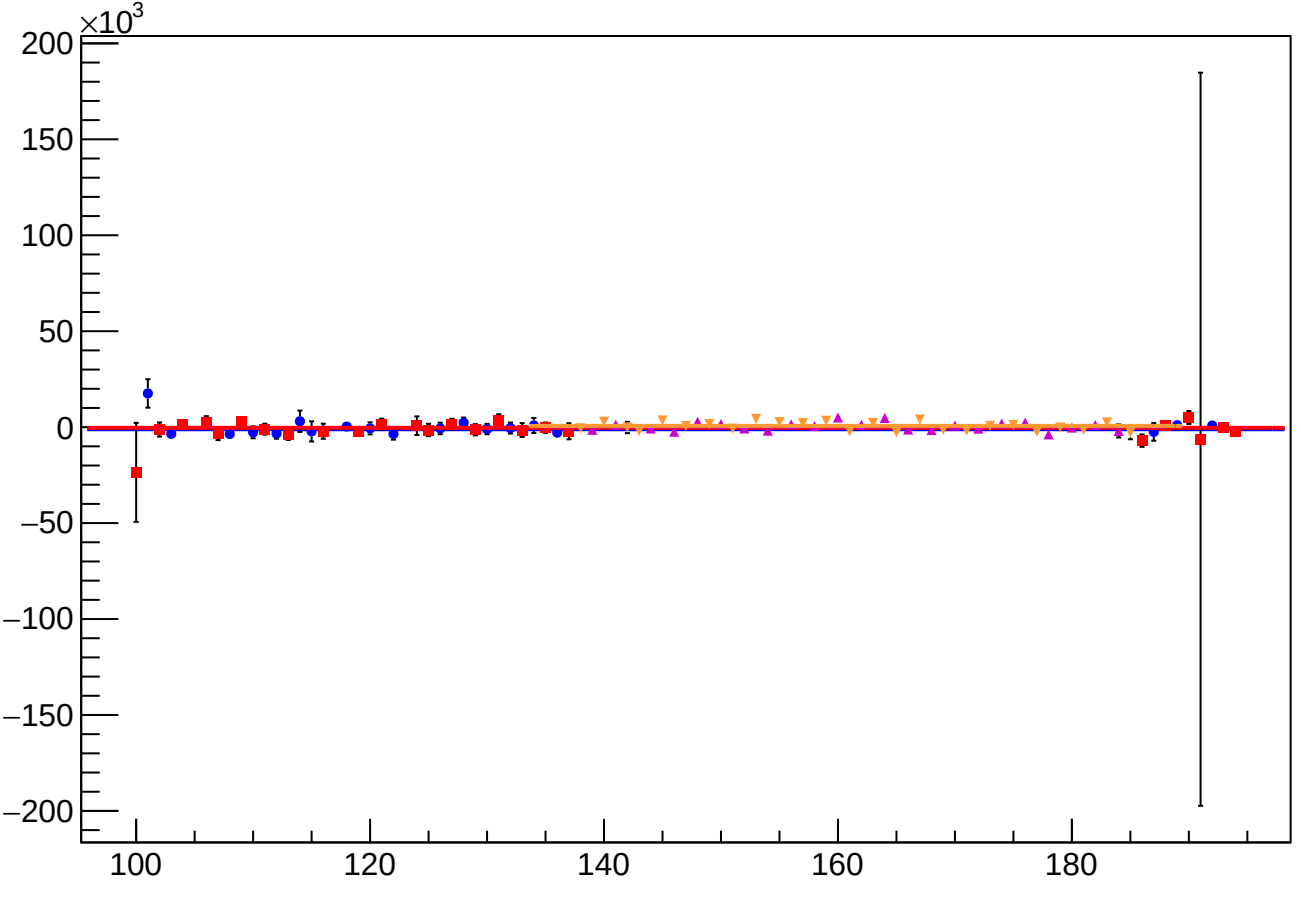
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4201.877+/-0.574 χ^2/NDF: 2429741.6/43

All: 4179.995+/-0.401 χ^2/NDF: 6064634.7/91

- sign 4159.099+/-0.561 χ^2/NDF: 3632055.3/47

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: -350.255+/-593.869 χ^2/NDF: 19.2/24

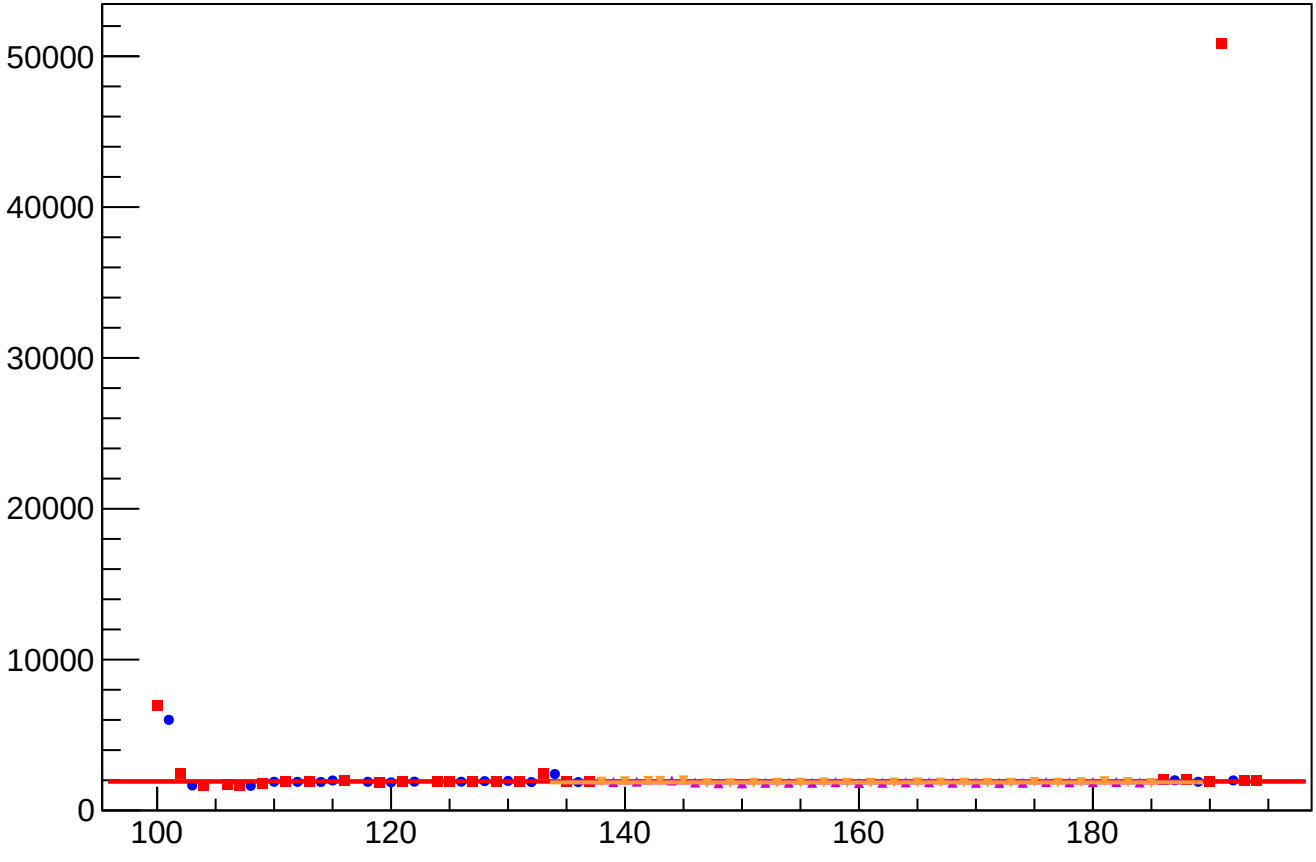
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 146.571+/-355.529 χ^2/NDF: 47.5/43

All: 146.284+/-249.537 χ^2/NDF: 91.4/91

- sign 146.006+/-350.327 χ^2/NDF: 43.9/47

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

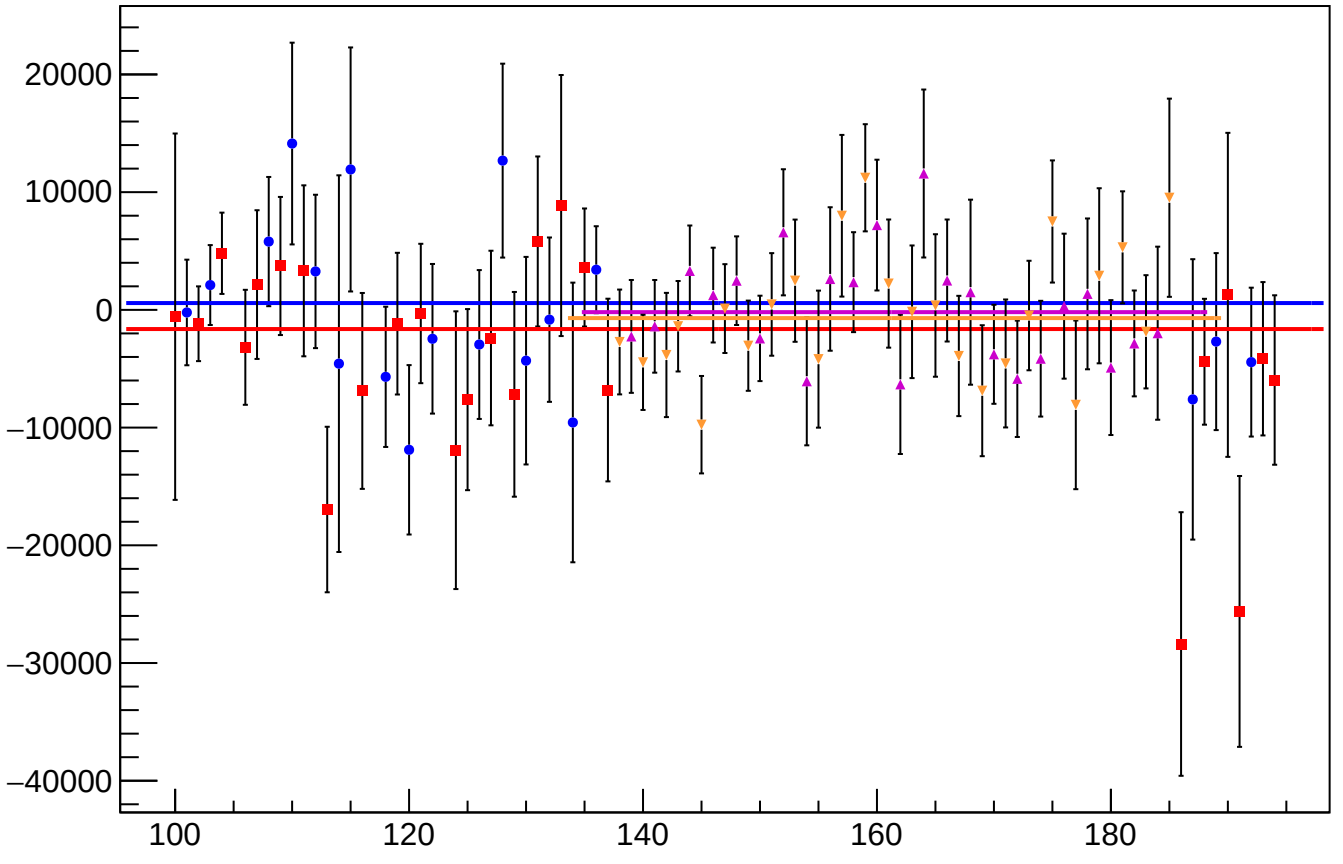
Right Out: 1927.664+/-0.420 χ^2/NDF: 380034.8/24

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1879.393+/-0.251 χ^2/NDF: 737522.9/43

All: 1880.739+/-0.176 χ^2/NDF: 1152131.5/91

- sign 1882.045+/-0.248 χ^2/NDF: 414552.1/47



Right In: 579.369+/-1420.507 χ^2/NDF: 14.9/18

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -1628.639+/-1259.055 χ^2/NDF: 26.6/24

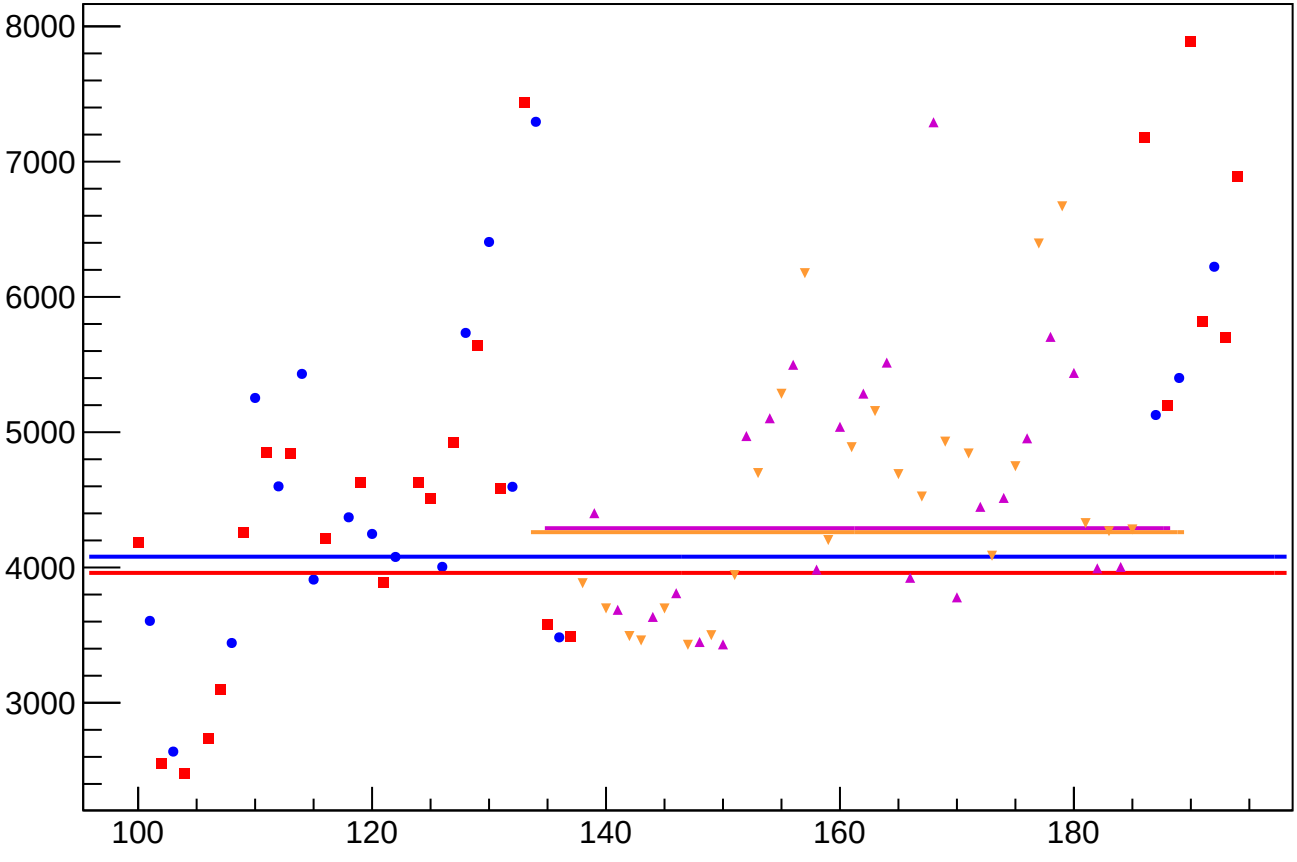
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -280.568+/-812.228 χ^2/NDF: 40.7/43

All: -527.461+/-567.672 χ^2/NDF: 83.5/91

- sign -763.225+/-793.712 χ^2/NDF: 42.6/47

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: 3960.004+/-0.890 χ^2/NDF: 2335094.5/24

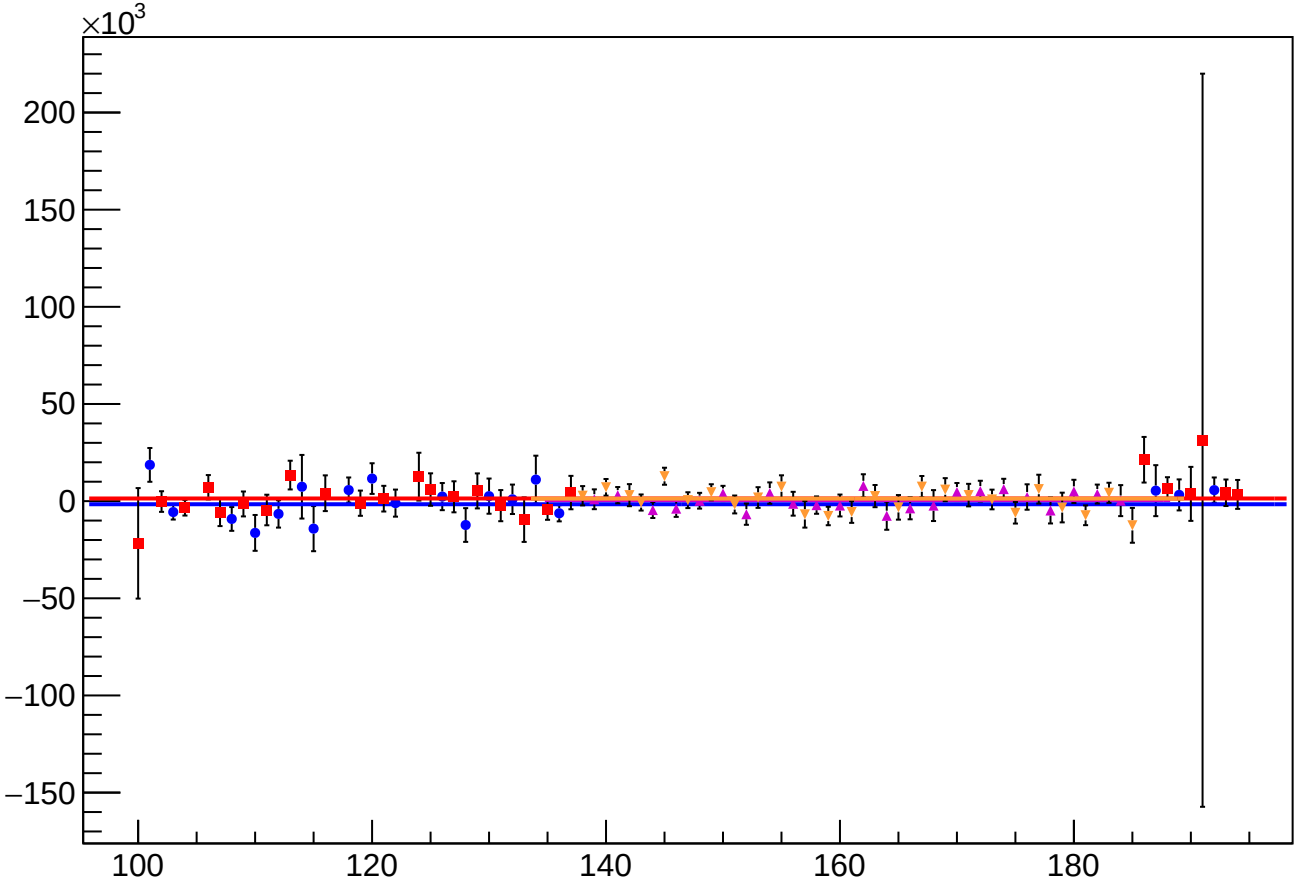
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4201.881+/-0.574 χ^2/NDF: 2429738.7/43

All: 4179.998+/-0.401 χ^2/NDF: 6064635.5/91

- sign 4159.101+/-0.561 χ^2/NDF: 3632058.7/47

asym_atr_dd_mean vs Slug



Right In: -1597.772+/-1615.315 χ^2/NDF: 23.0/18

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 1366.035+/-1470.787 χ^2/NDF: 15.2/24

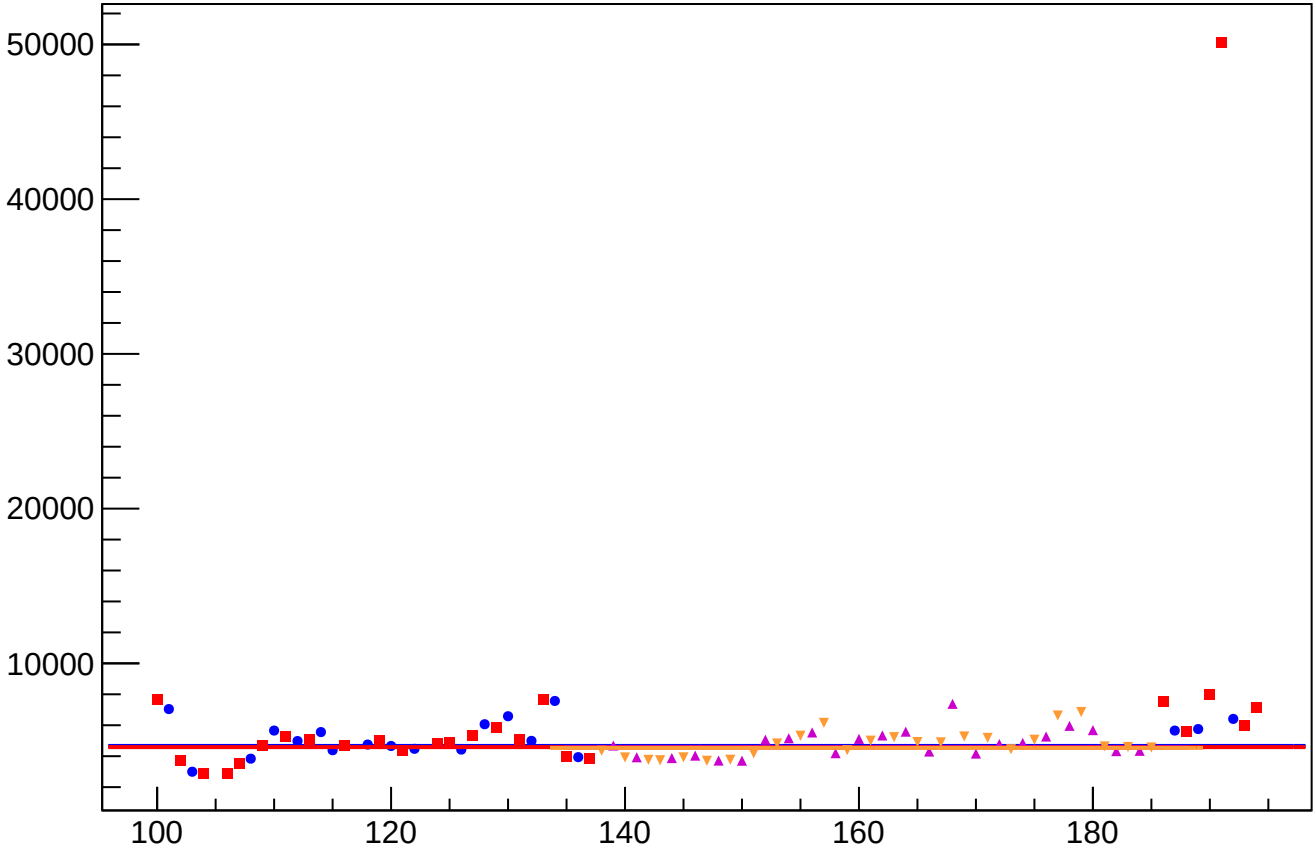
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 438.643+/-880.092 χ^2/NDF: 53.7/43

All: 648.204+/-619.305 χ^2/NDF: 83.7/91

- sign 853.753+/-871.628 χ^2/NDF: 29.8/47

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

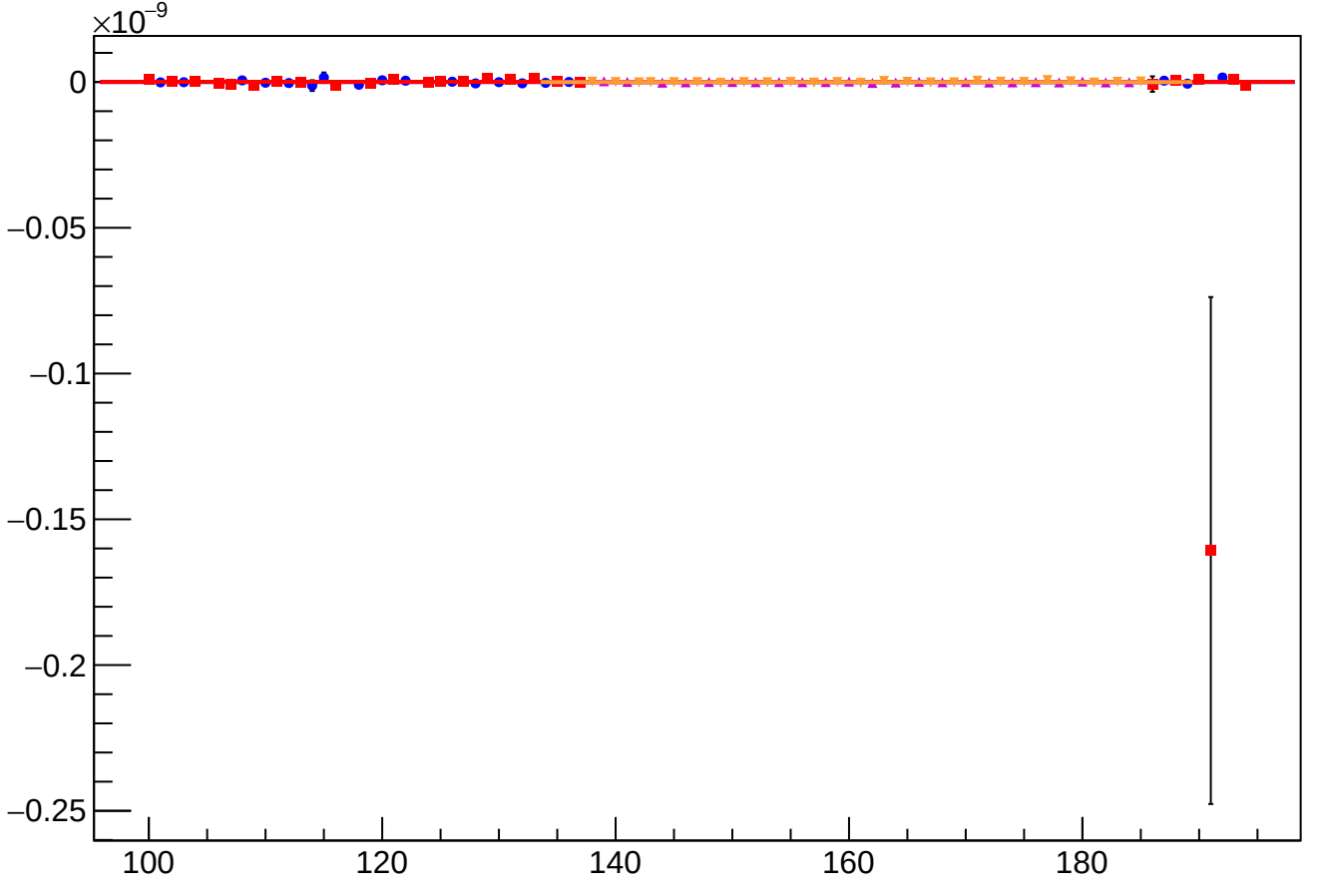
Right Out: 4586.179+/-1.033 χ^2/NDF: 1706347.8/24

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4574.673+/-0.622 χ^2/NDF: 2110355.2/43

All: 4572.107+/-0.437 χ^2/NDF: 4797336.7/91

- sign 4569.602+/-0.615 χ^2/NDF: 2686947.9/47



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

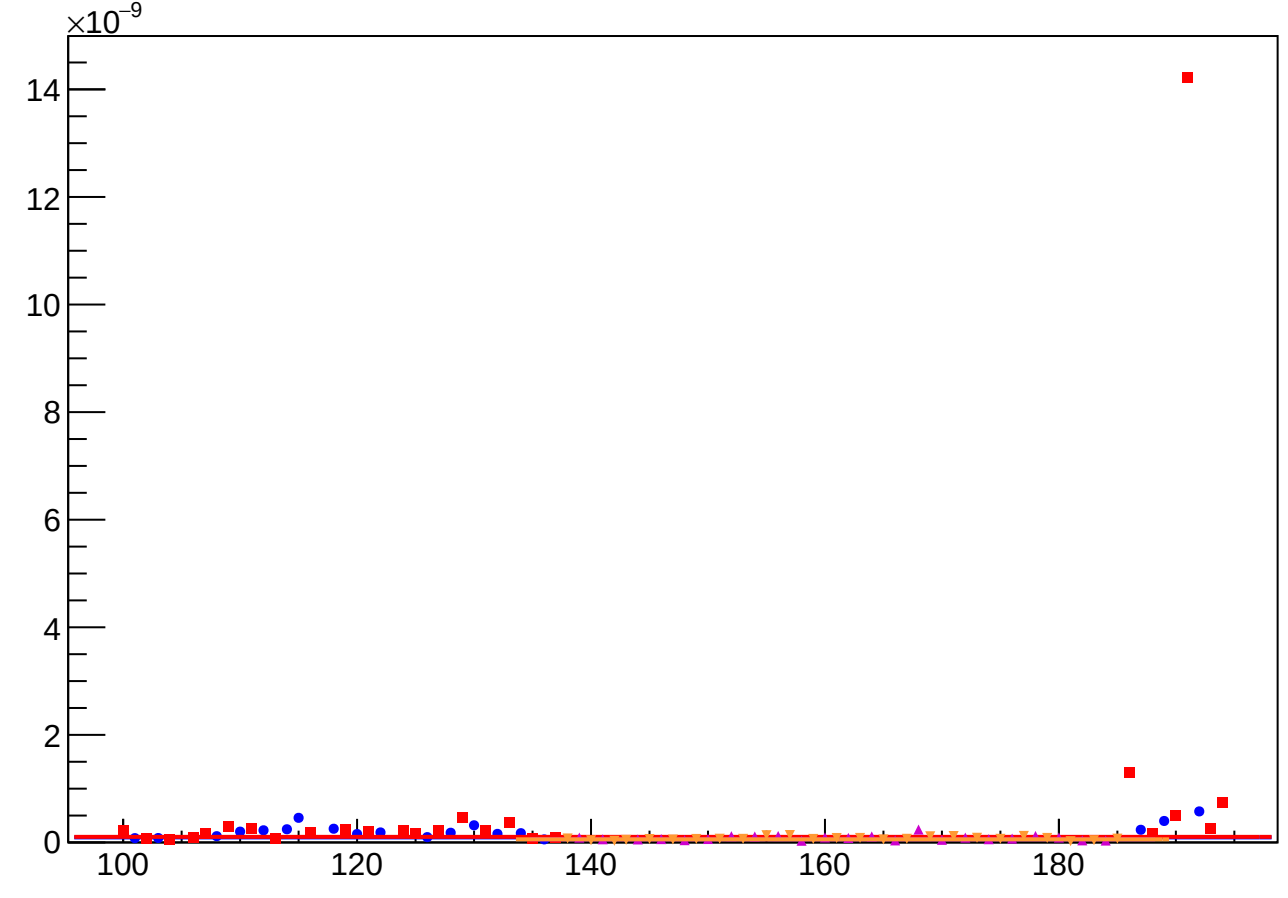
Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/24

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.6/43

All: -0.000+/-0.000 χ^2/NDF: 107.5/91

- sign -0.000+/-0.000 χ^2/NDF: 52.3/47



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: 3274279.4/24

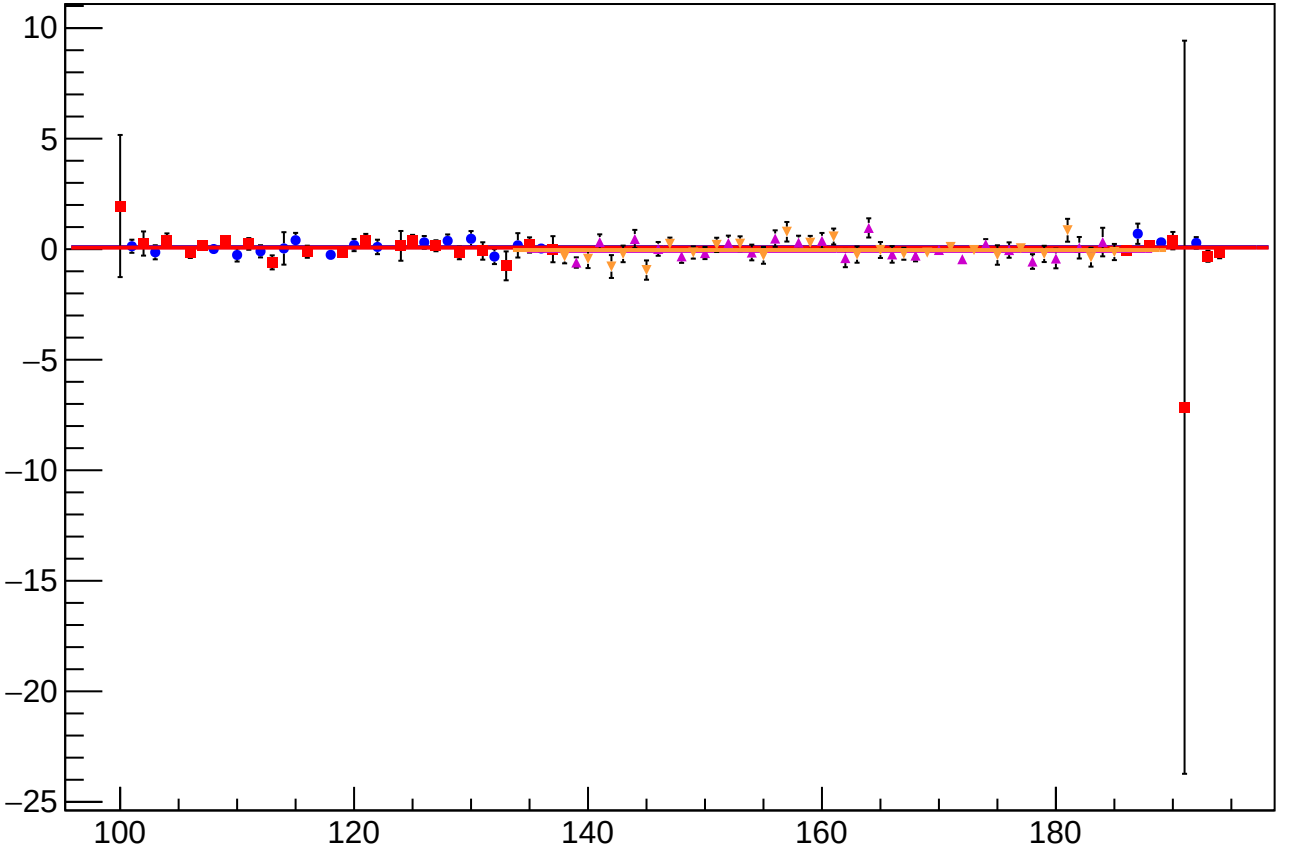
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4671036.9/43

All: 0.000+/-0.000 χ^2/NDF: 10863350.9/91

- sign 0.000+/-0.000 χ^2/NDF: 6186745.9/47

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: 0.072+/-0.055 χ^2/NDF: 22.9/24

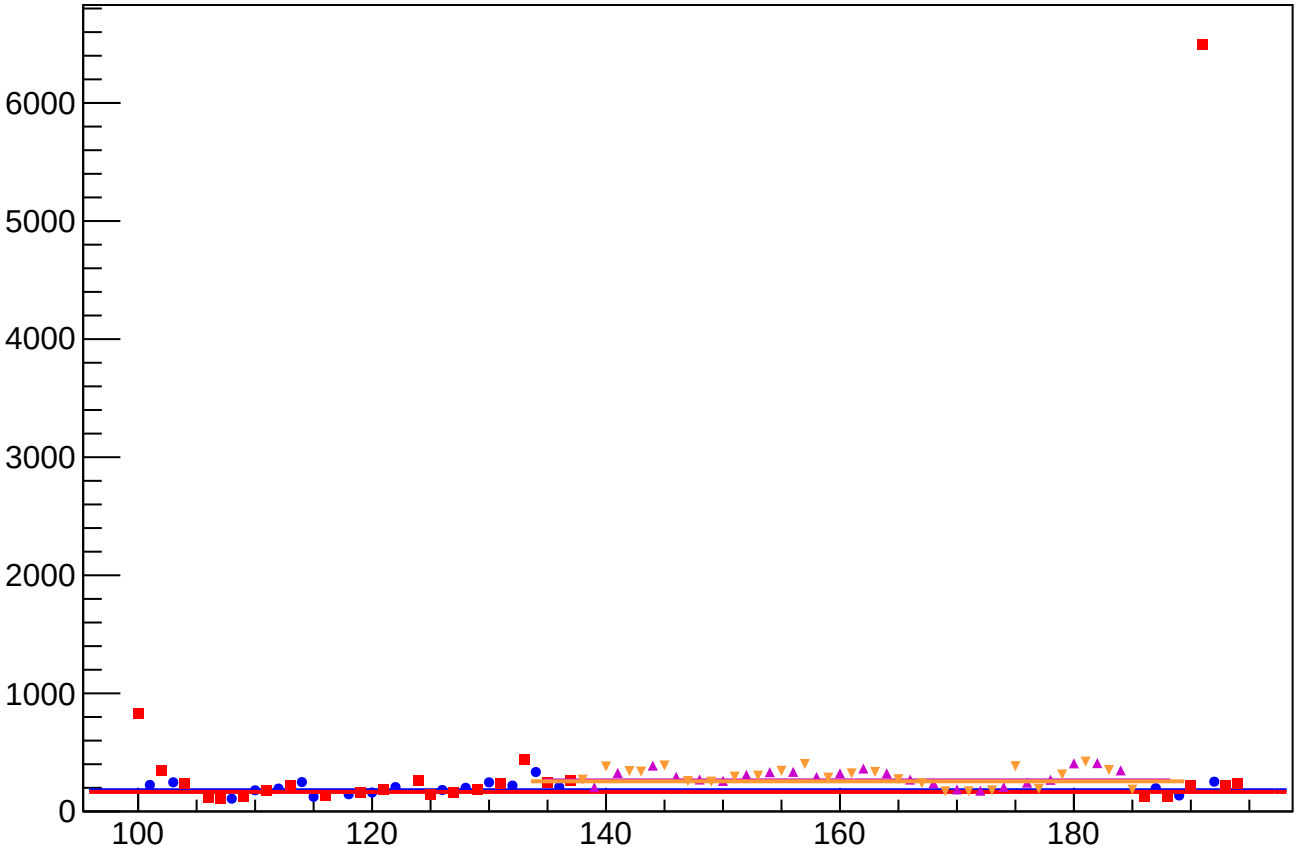
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.044 χ^2/NDF: 41.3/43

All: 0.017+/-0.030 χ^2/NDF: 98.5/91

- sign 0.010+/-0.042 χ^2/NDF: 57.1/47

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: 165.504+/-0.039 χ^2/NDF: 2217075.4/24

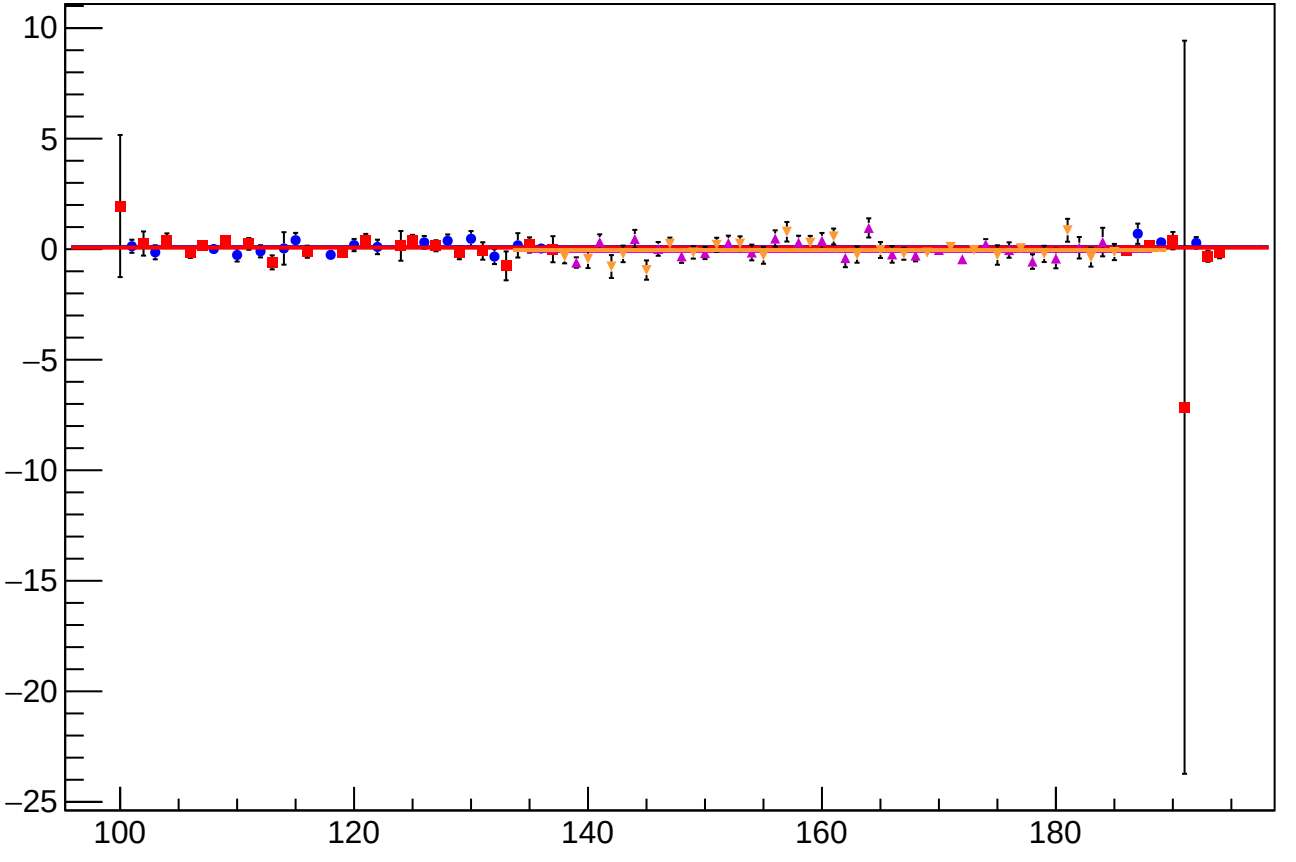
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 218.585+/-0.031 χ^2/NDF: 5565798.0/43

All: 211.896+/-0.022 χ^2/NDF: 12520216.7/91

- sign 205.958+/-0.030 χ^2/NDF: 6868763.7/47

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: 0.072+/-0.055 χ^2/NDF: 22.9/24

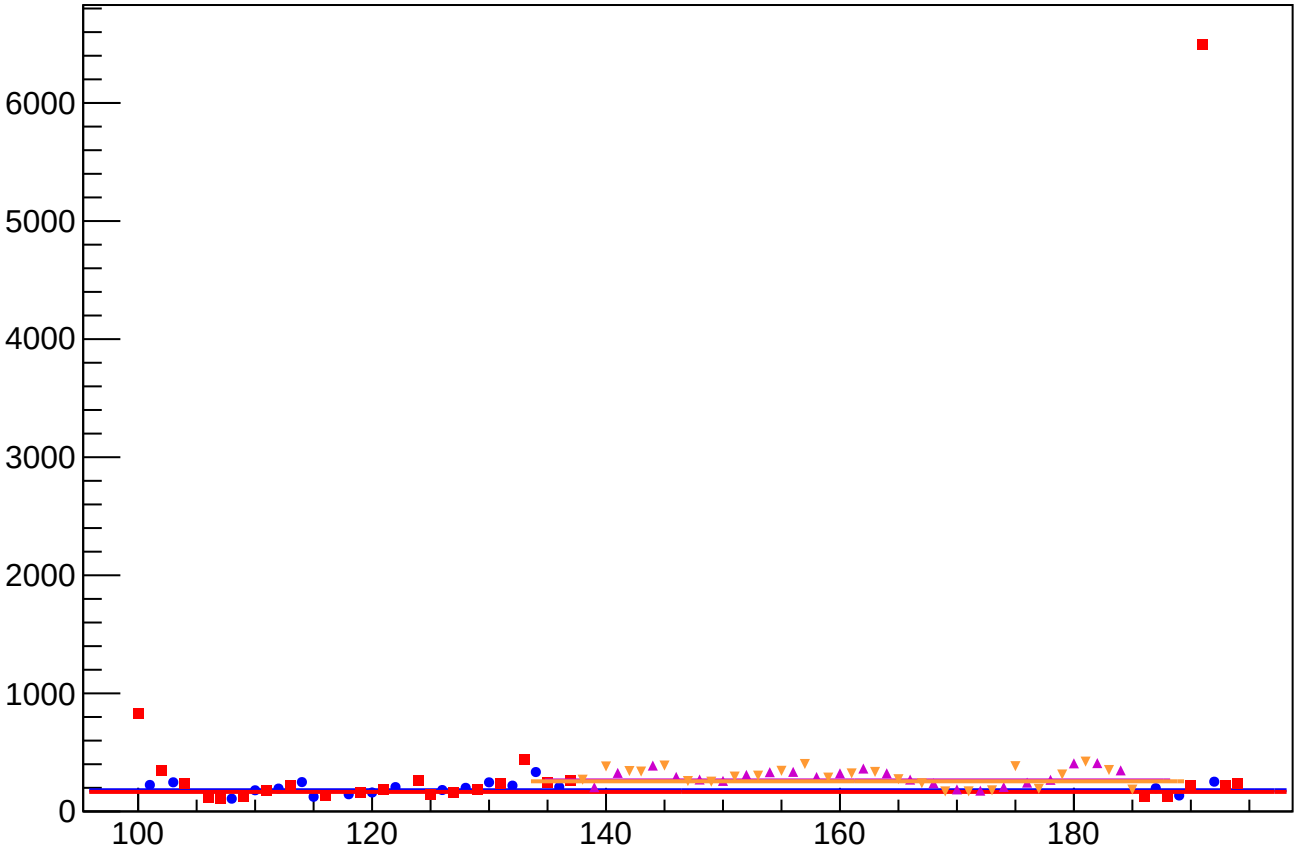
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.044 χ^2/NDF: 41.3/43

All: 0.017+/-0.030 χ^2/NDF: 98.5/91

- sign 0.010+/-0.042 χ^2/NDF: 57.1/47

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: 165.504+/-0.039 χ^2/NDF: 2217075.4/24

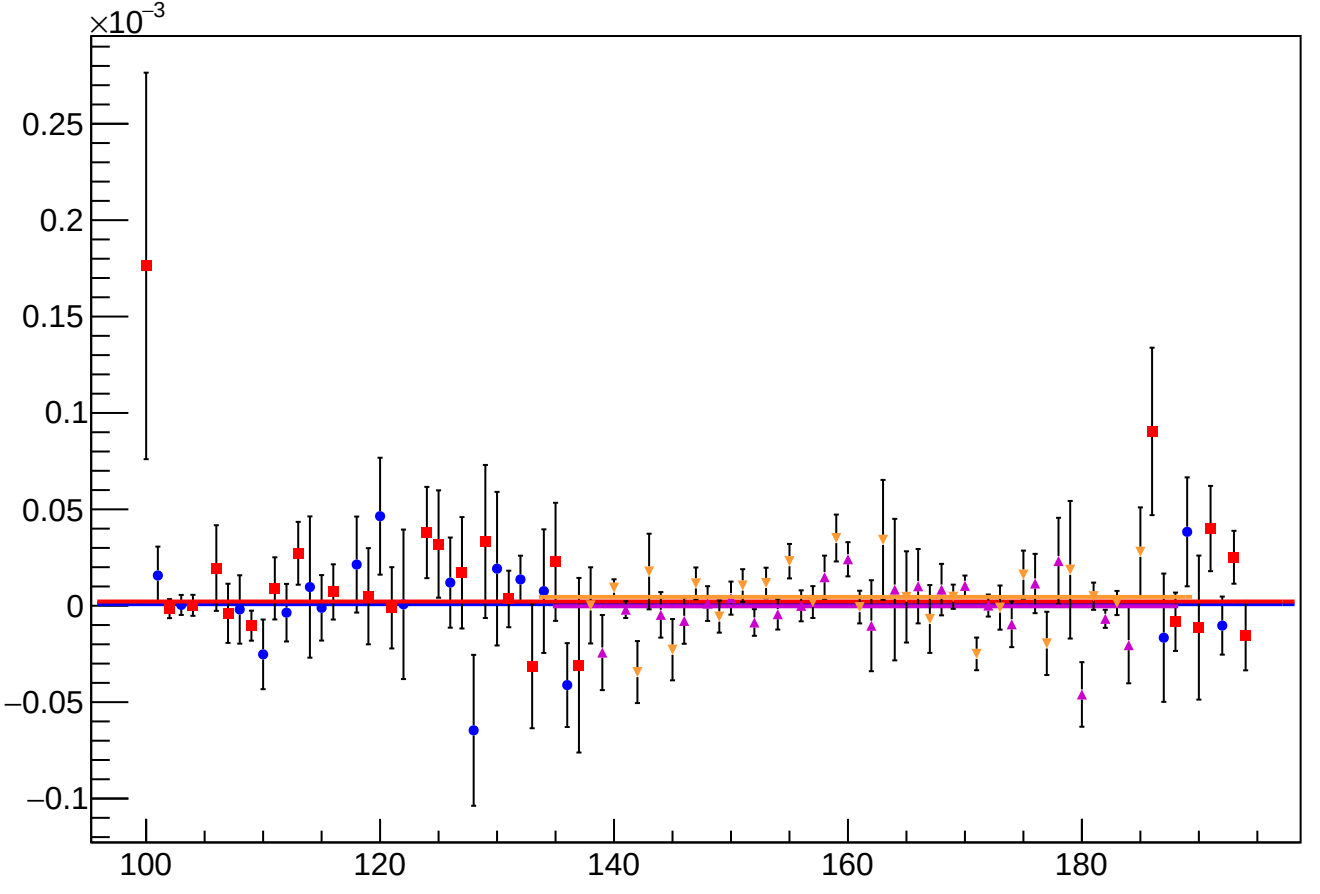
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 218.585+/-0.031 χ^2/NDF: 5565798.0/43

All: 211.896+/-0.022 χ^2/NDF: 12520216.7/91

- sign 205.958+/-0.030 χ^2/NDF: 6868763.7/47

asym_atr_dd_eigen_dit_vs_dit_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:43.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/24

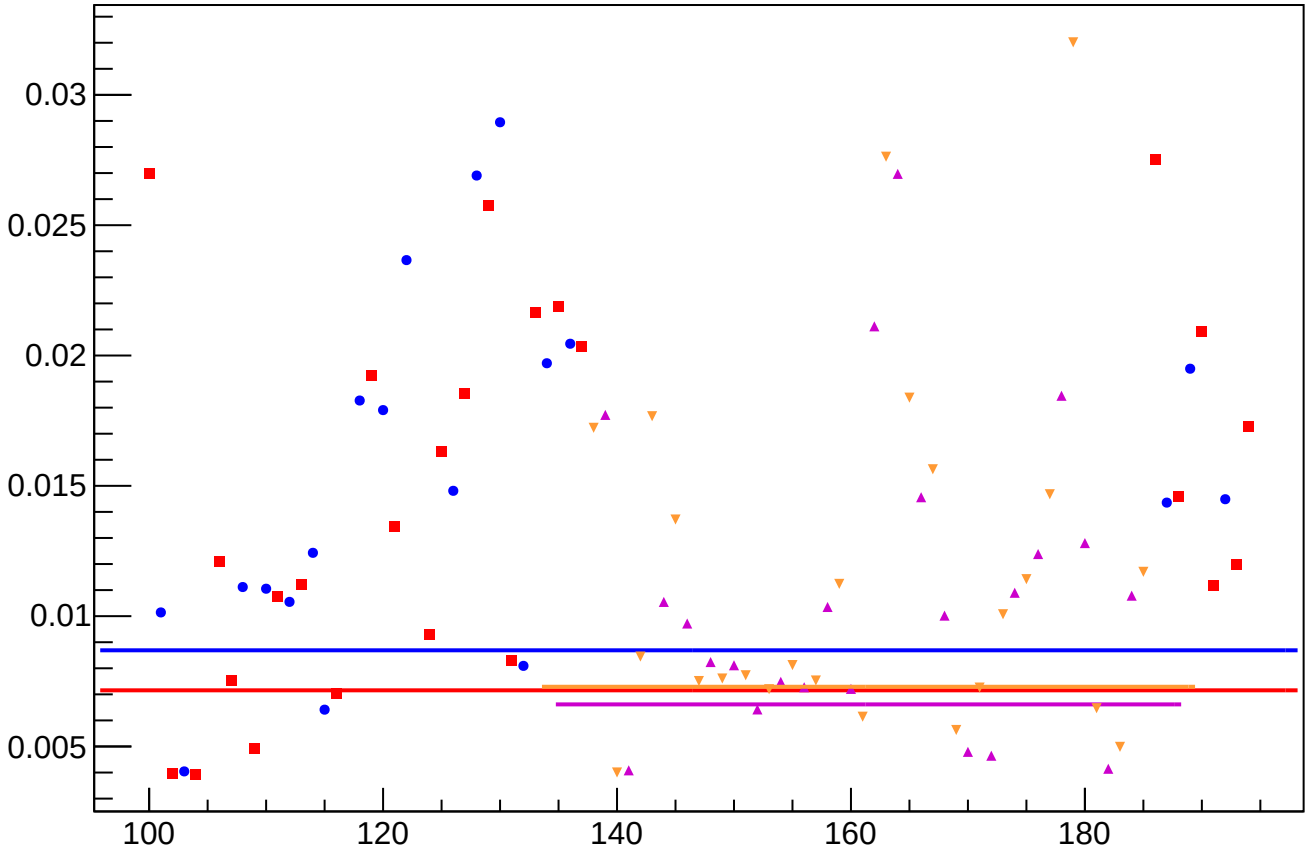
Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.1/43

All: 0.000+/-0.000 χ^2/NDF: 122.7/91

- sign 0.000+/-0.000 χ^2/NDF: 59.4/47

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 5113893.5/18

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.007+/-0.000 χ^2/NDF: 6928507.5/24

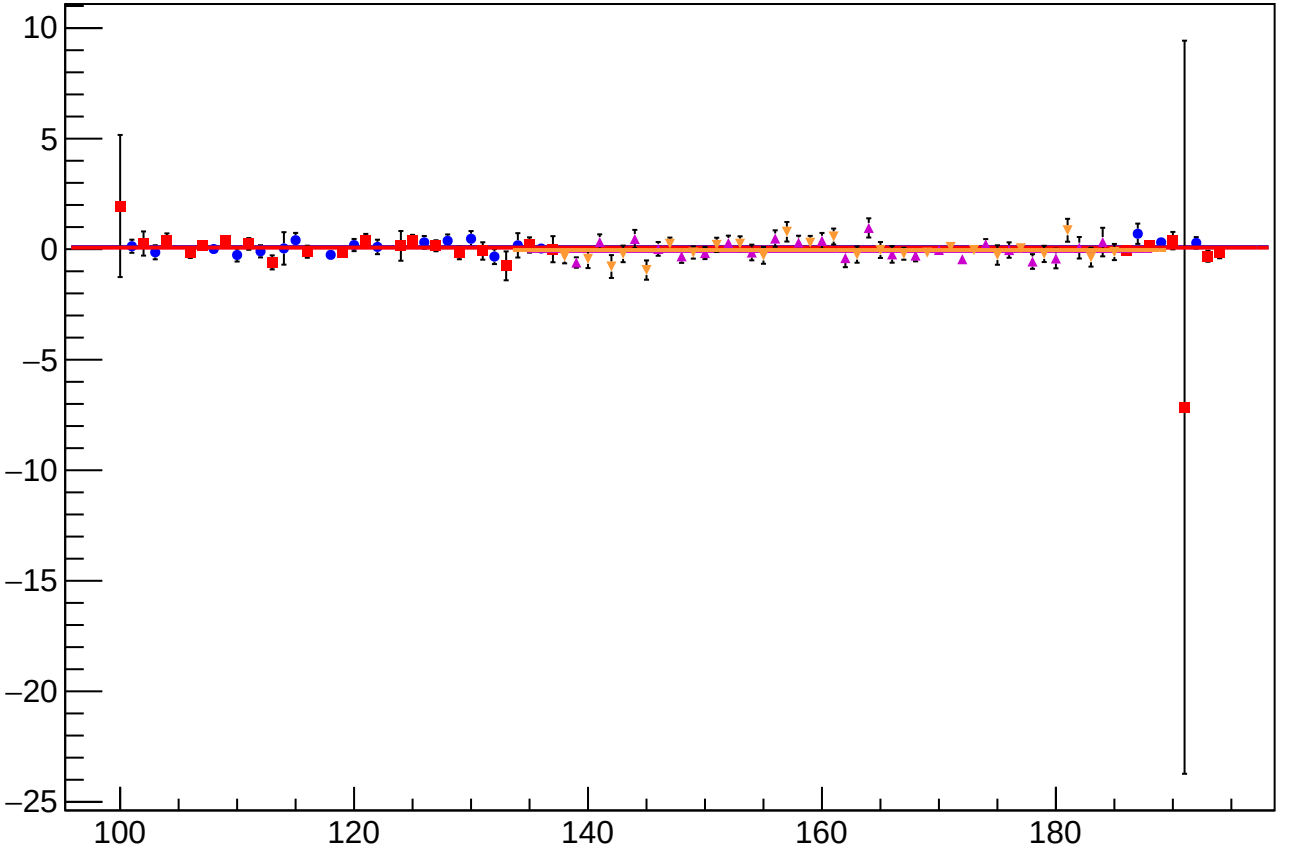
Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 12127824.1/43

All: 0.007+/-0.000 χ^2/NDF: 25788642.0/91

- sign 0.007+/-0.000 χ^2/NDF: 13395414.6/47

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: 0.072+/-0.055 χ^2/NDF: 22.9/24

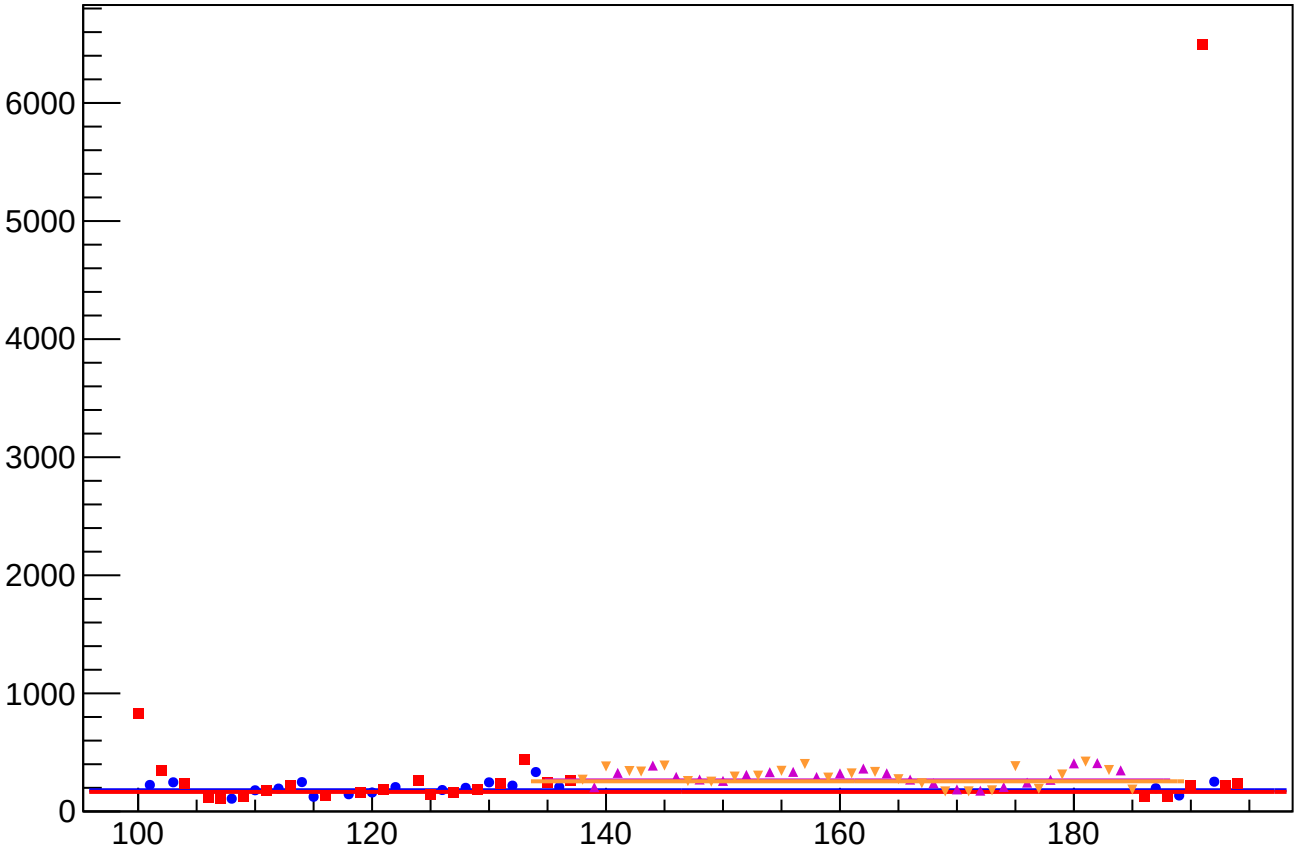
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.044 χ^2/NDF: 41.3/43

All: 0.017+/-0.030 χ^2/NDF: 98.5/91

- sign 0.010+/-0.042 χ^2/NDF: 57.1/47

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

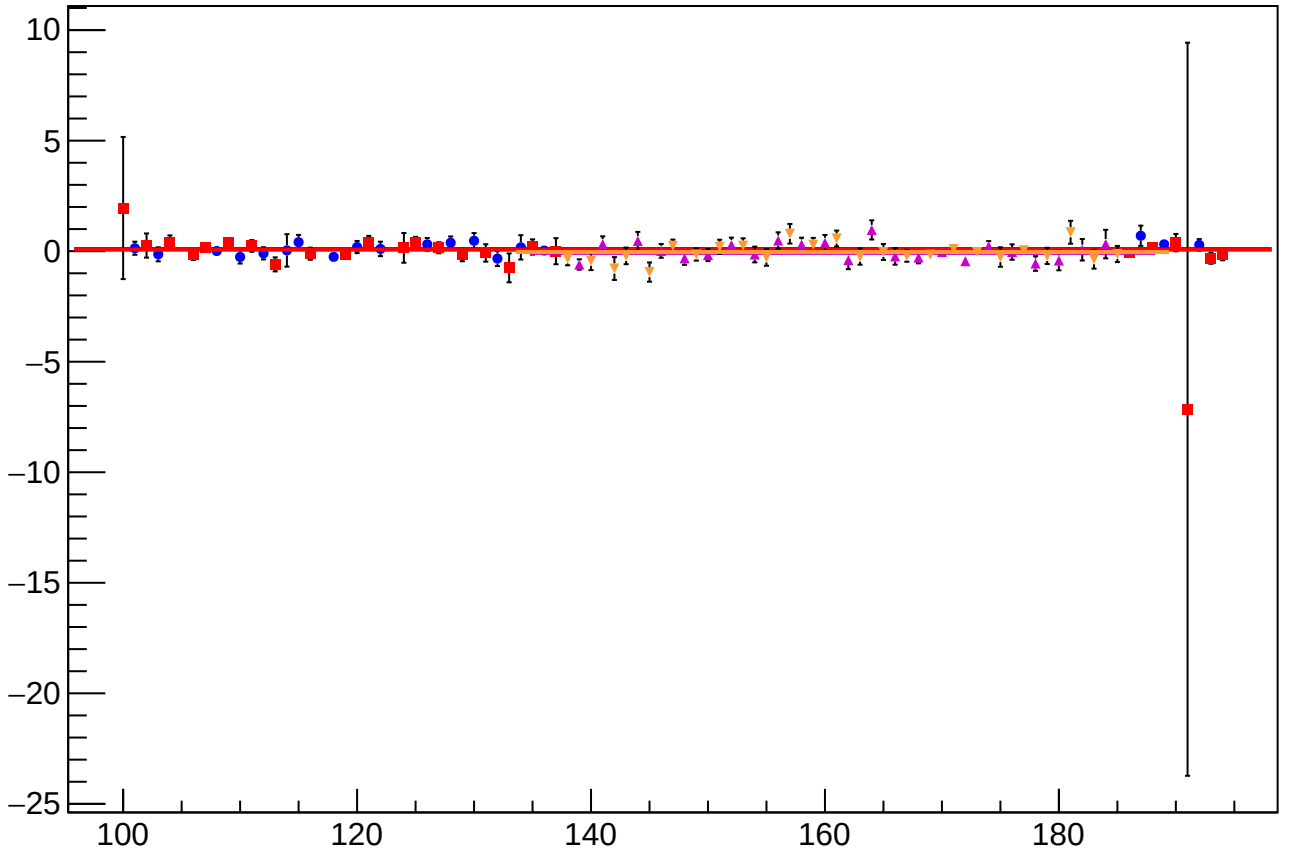
Right Out: 165.506+/-0.039 χ^2/NDF: 2217009.9/24

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 218.585+/-0.031 χ^2/NDF: 5565955.2/43

All: 211.897+/-0.022 χ^2/NDF: 12520350.6/91

- sign 205.960+/-0.030 χ^2/NDF: 6868759.2/47



Right In: 0.093+/-0.064 χ^2/NDF: 14.7/18

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

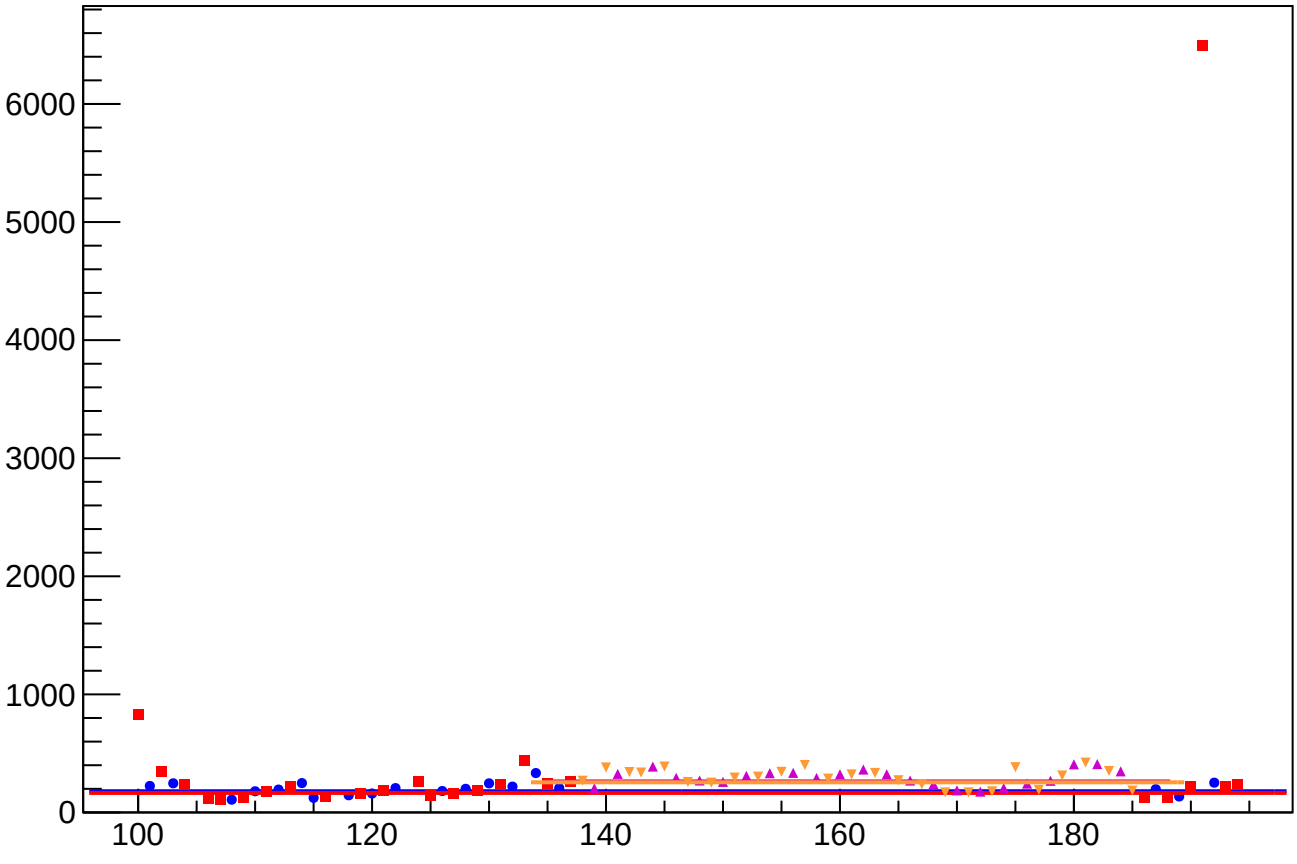
Right Out: 0.072+/-0.055 χ^2/NDF: 22.9/24

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.025+/-0.044 χ^2/NDF: 41.3/43

All: 0.017+/-0.030 χ^2/NDF: 98.5/91

- sign 0.010+/-0.042 χ^2/NDF: 57.1/47



Right In: 179.657+/-0.045 χ^2/NDF: 1178612.4/18

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

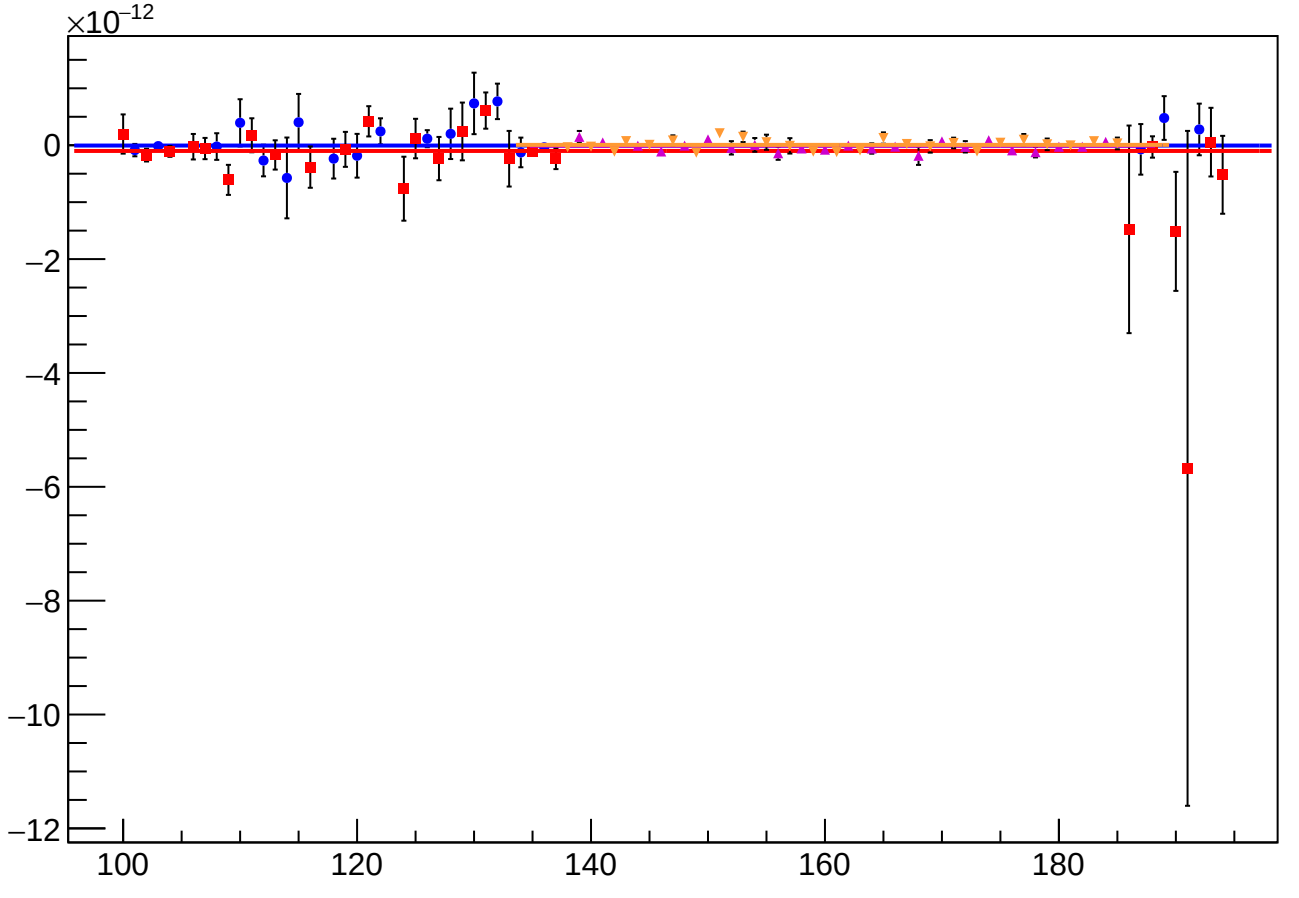
Right Out: 165.506+/-0.039 χ^2/NDF: 2217009.9/24

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 218.585+/-0.031 χ^2/NDF: 5565955.2/43

All: 211.897+/-0.022 χ^2/NDF: 12520350.6/91

- sign 205.960+/-0.030 χ^2/NDF: 6868759.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

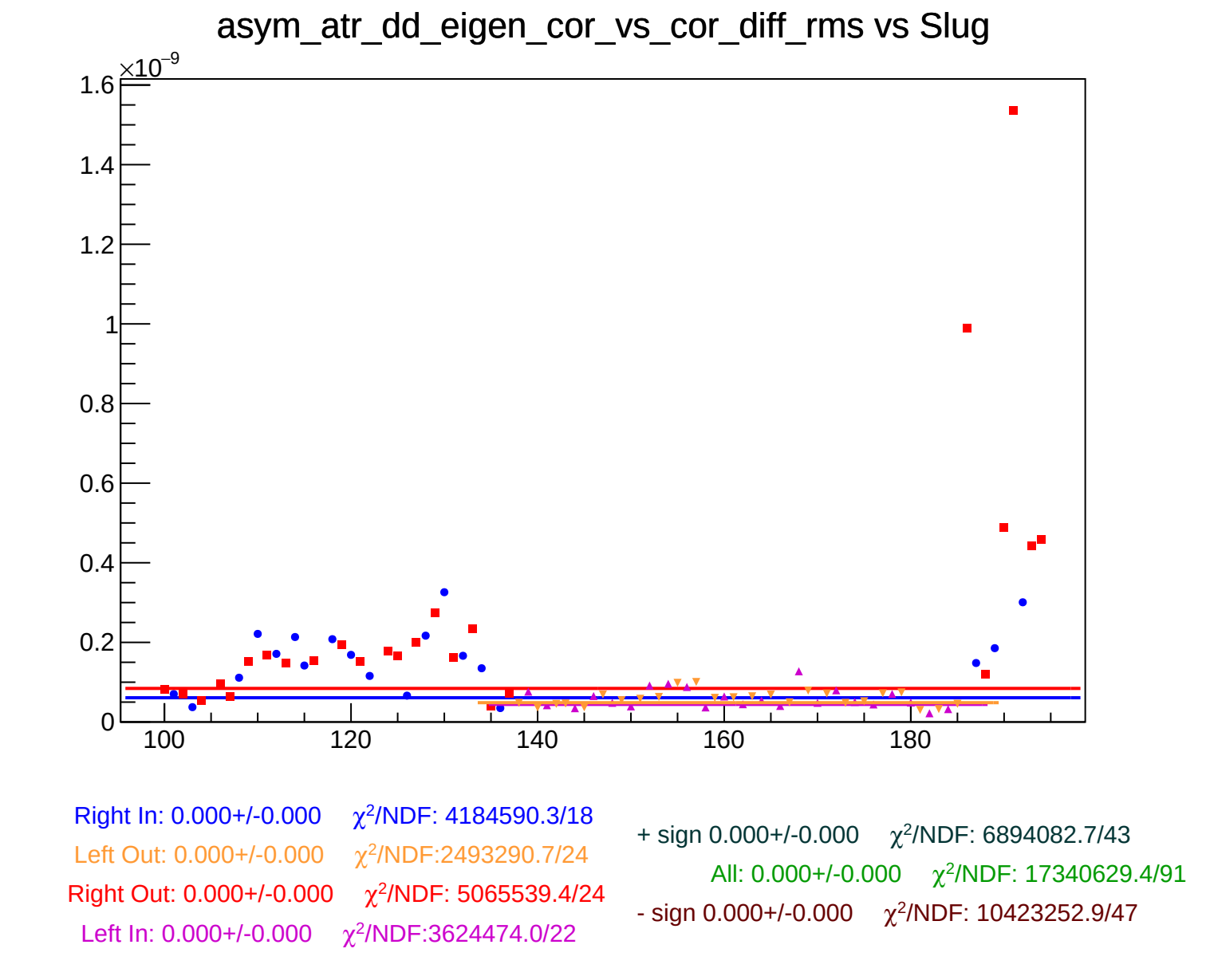
Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/24

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

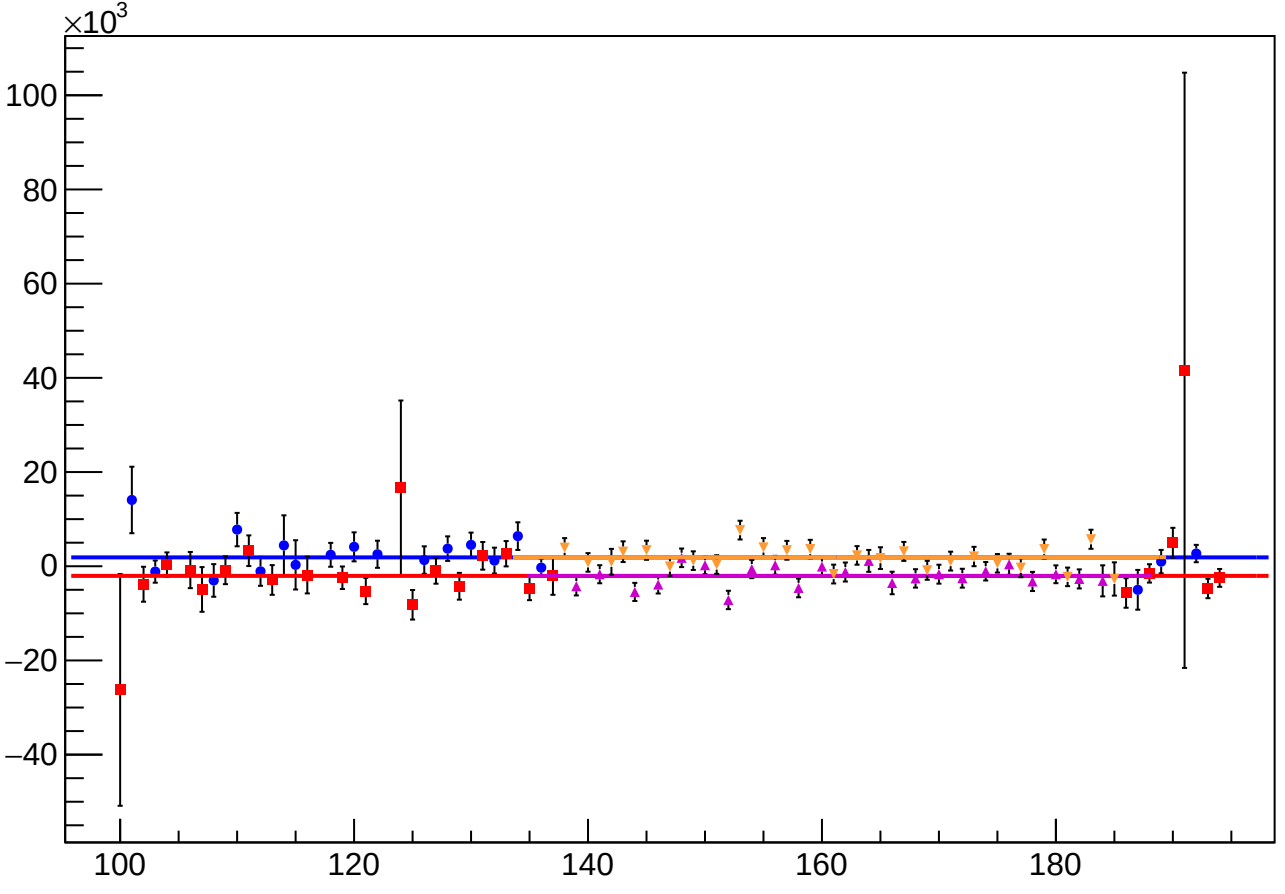
+ sign 0.000+/-0.000 χ^2/NDF: 47.7/43

All: -0.000+/-0.000 χ^2/NDF: 97.2/91

- sign -0.000+/-0.000 χ^2/NDF: 48.0/47


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 4184590.3/18
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 5065539.4/24
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
+ sign 0.000+/-0.000 χ²/NDF: 6894082.7/43
All: 0.000+/-0.000 χ²/NDF: 17340629.4/91
- sign 0.000+/-0.000 χ²/NDF: 10423252.9/47

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: -2045.022+/-595.512 χ^2/NDF: 27.0/24

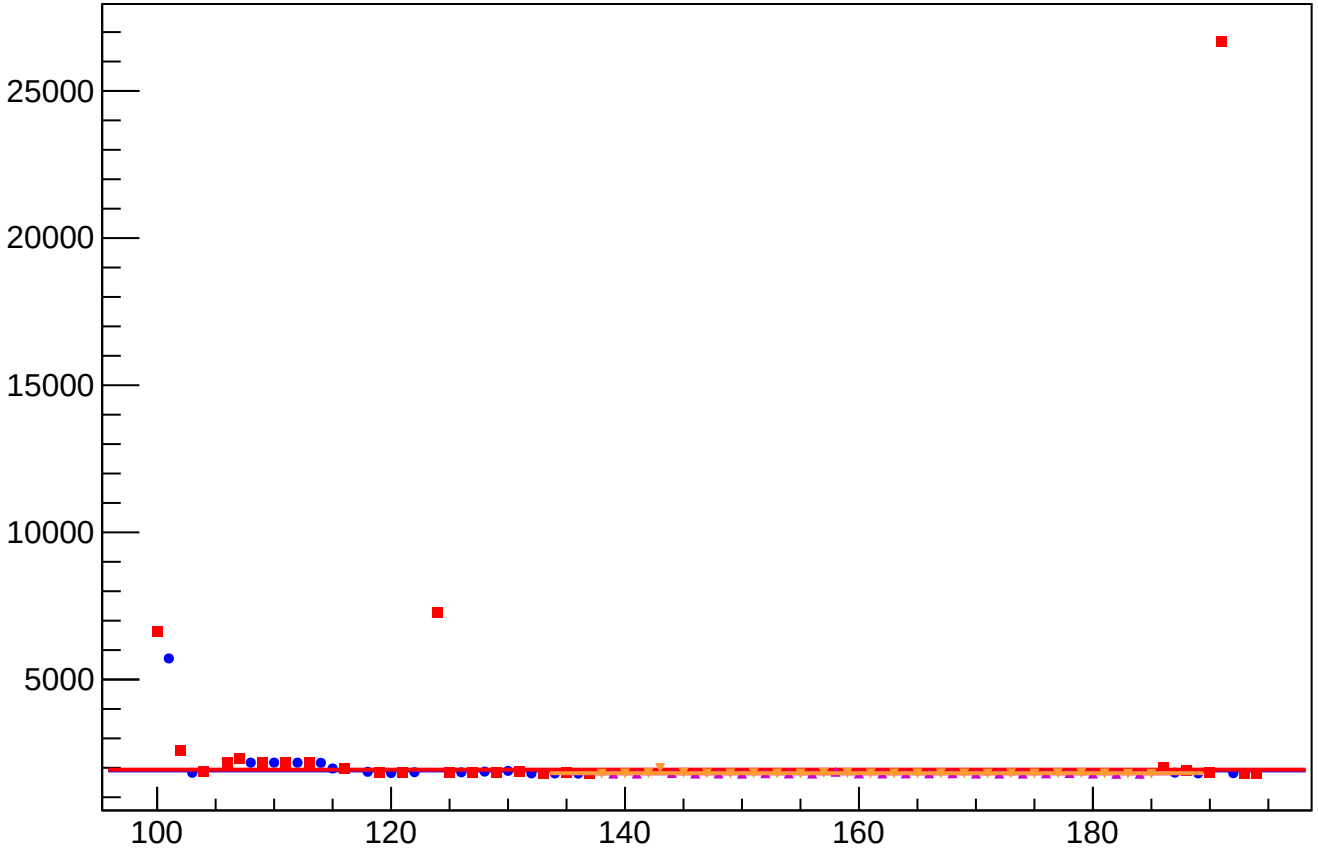
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1909.321+/-348.744 χ^2/NDF: 52.0/43

All: -99.188+/-245.253 χ^2/NDF: 171.2/91

- sign -2064.412+/-344.966 χ^2/NDF: 53.6/47

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

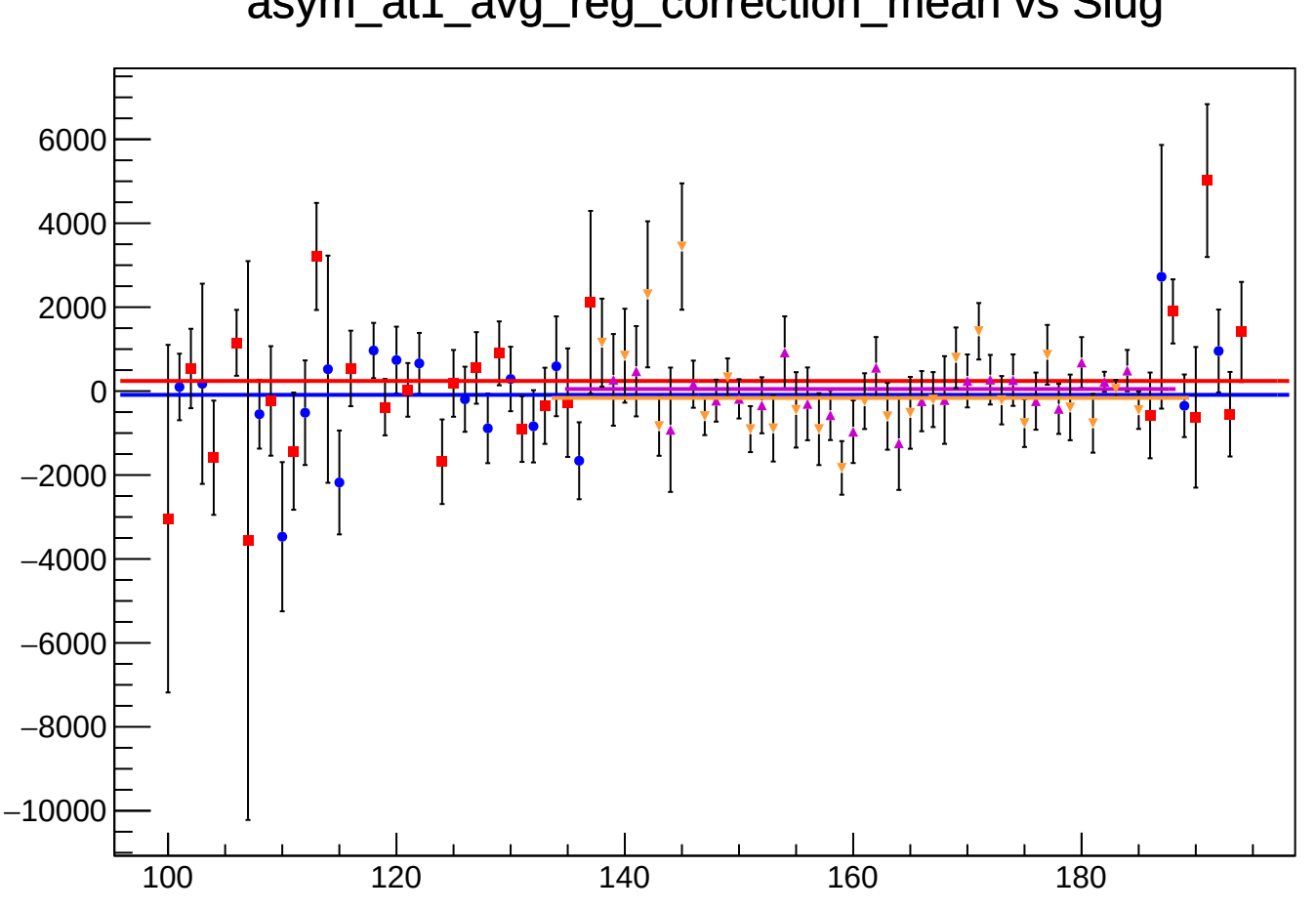
Right Out: 1937.019+/-0.421 χ^2/NDF: 710770.4/24

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.376+/-0.247 χ^2/NDF: 692134.3/43

All: 1849.399+/-0.173 χ^2/NDF: 1463796.7/91

- sign 1854.314+/-0.244 χ^2/NDF: 770841.5/47



Right In: -89.560+/-214.411 χ^2/NDF: 19.0/18

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 241.392+/-198.794 χ^2/NDF: 34.3/24

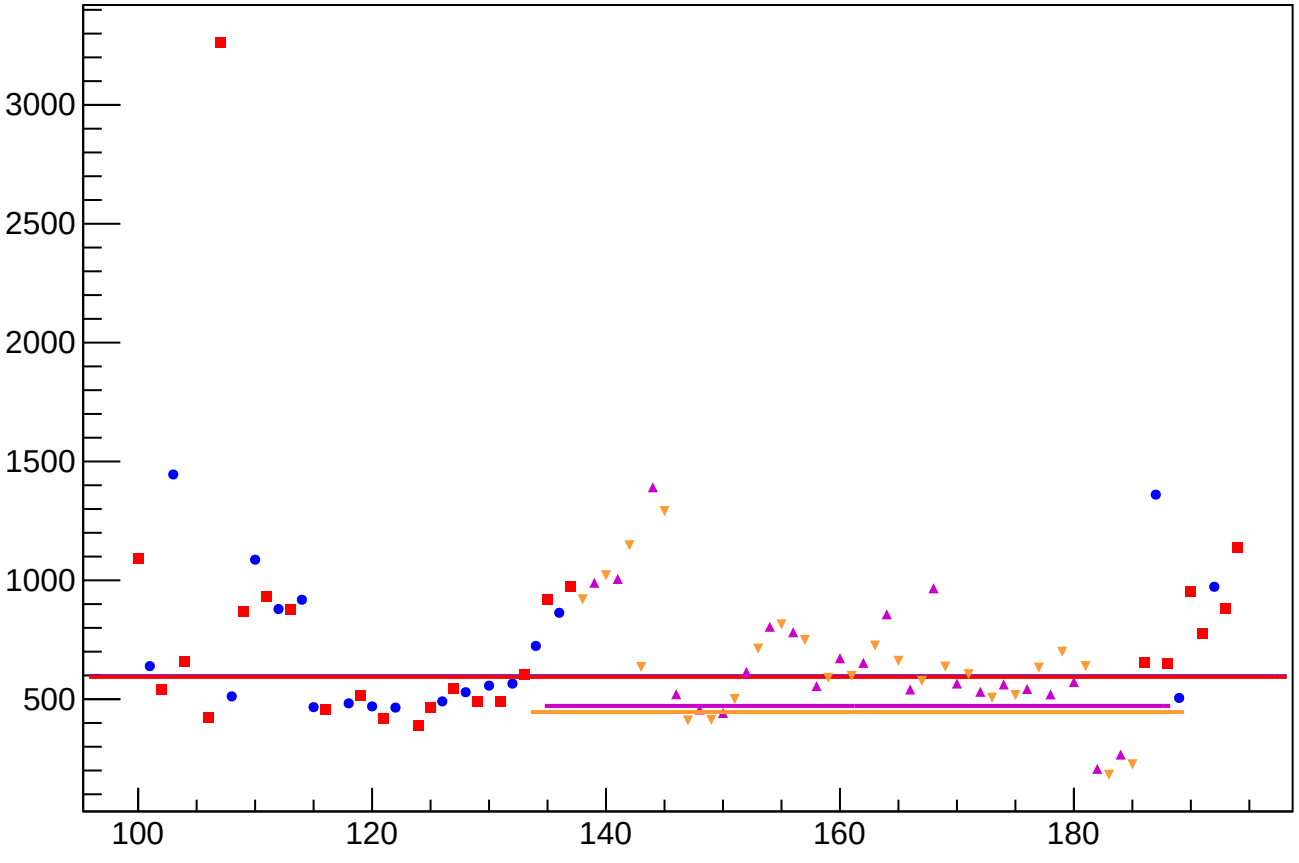
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

\+ sign -146.524+/-101.545 χ^2/NDF: 55.9/43

All: -25.579+/-72.794 χ^2/NDF: 105.2/91

\- sign 102.279+/-104.407 χ^2/NDF: 46.3/47

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: 593.834+/-0.141 χ^2/NDF: 2092301.1/24

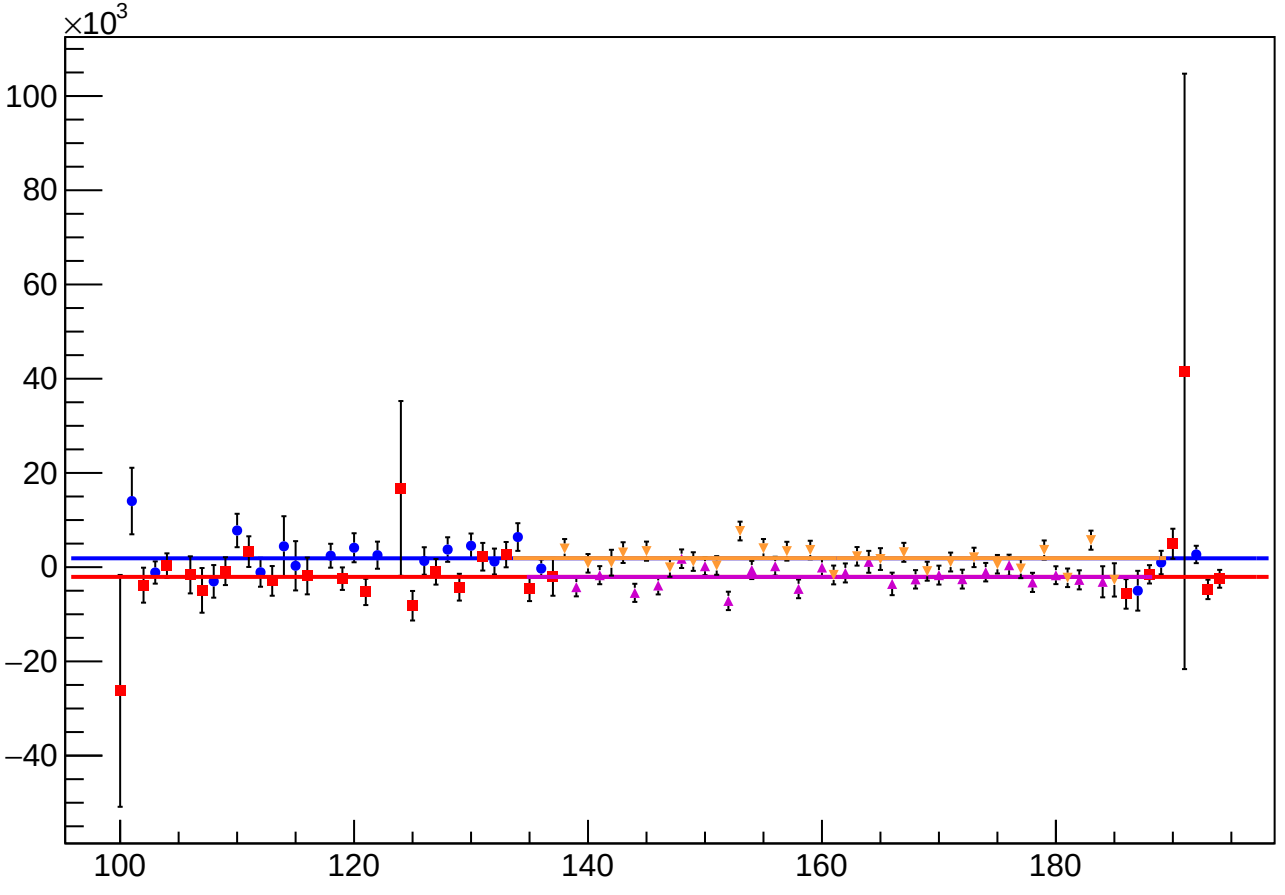
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 479.670+/-0.072 χ^2/NDF: 10198856.3/43

All: 492.189+/-0.051 χ^2/NDF: 19313861.0/91

- sign 505.422+/-0.074 χ^2/NDF: 9052478.1/47

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: -2065.428+/-595.855 χ^2/NDF: 26.9/24

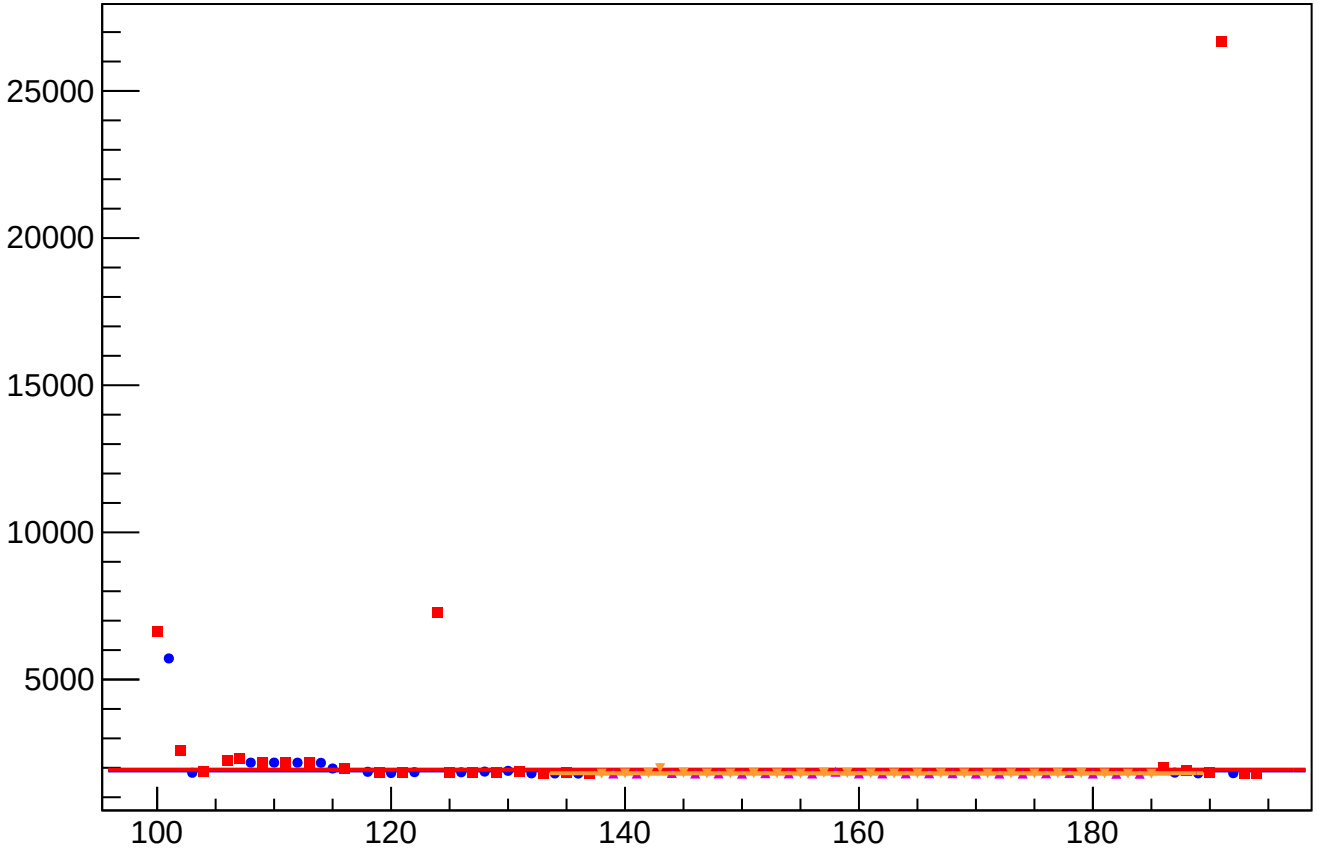
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1909.219+/-348.744 χ^2/NDF: 52.0/43

All: -102.351+/-245.277 χ^2/NDF: 171.3/91

- sign -2071.329+/-345.032 χ^2/NDF: 53.5/47

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: 1937.888+/-0.421 χ^2/NDF: 714025.3/24

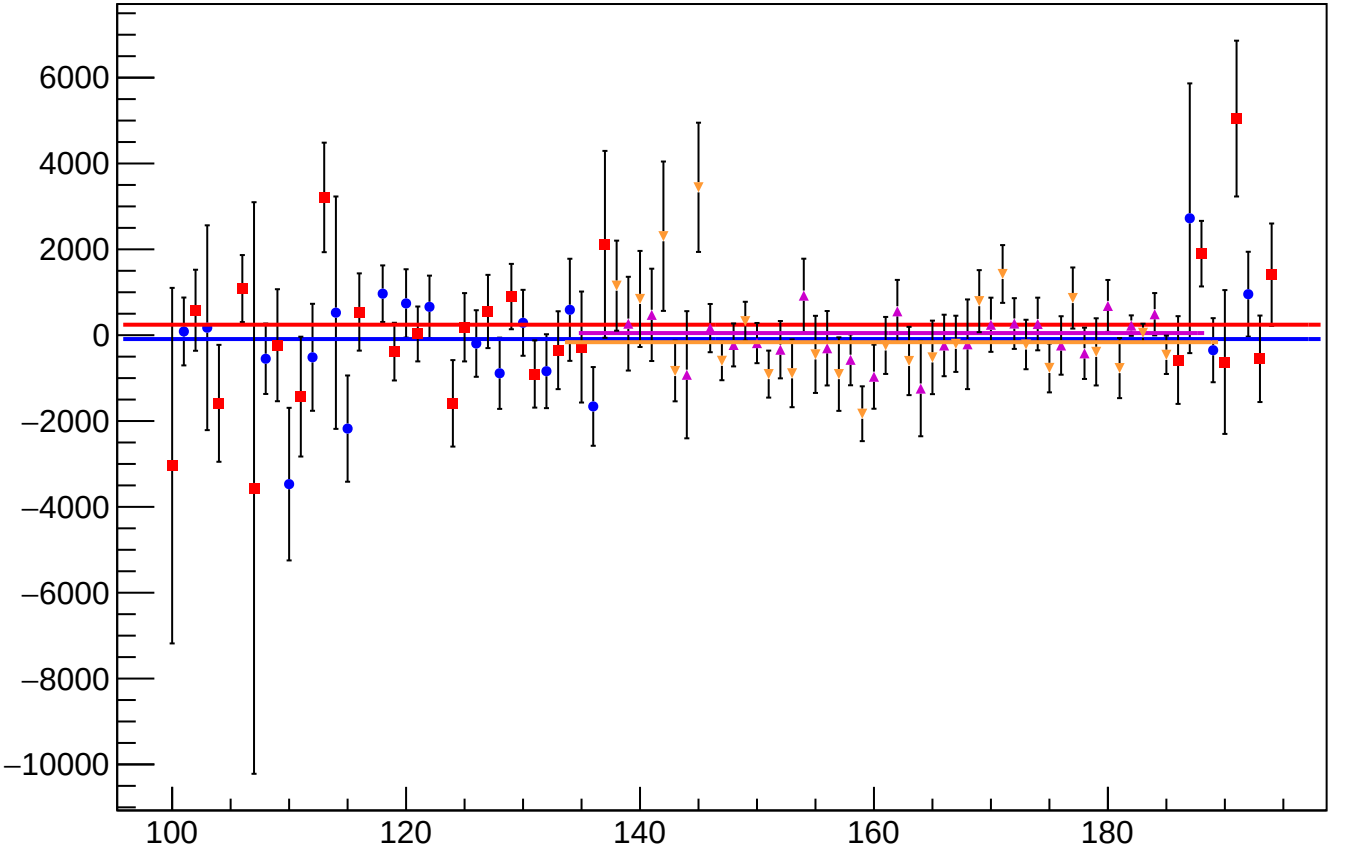
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.376+/-0.247 χ^2/NDF: 692134.2/43

All: 1849.529+/-0.173 χ^2/NDF: 1467863.8/91

- sign 1854.573+/-0.244 χ^2/NDF: 774865.4/47

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: 244.127+/-198.686 χ^2/NDF: 34.0/24

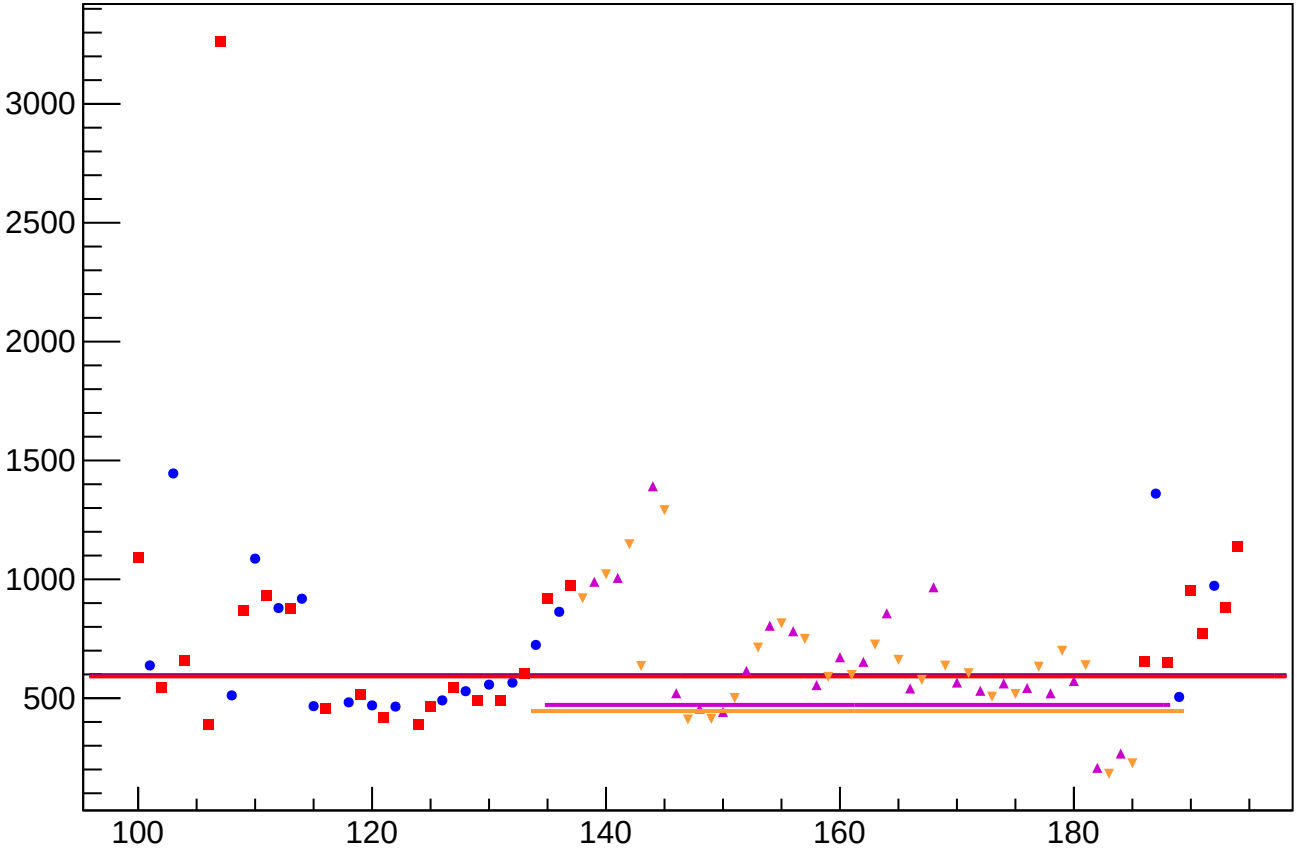
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -146.622+/-101.538 χ^2/NDF: 55.9/43

All: -25.226+/-72.787 χ^2/NDF: 104.9/91

- sign 103.091+/-104.393 χ^2/NDF: 46.0/47

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: 591.687+/-0.140 χ^2/NDF: 2133528.9/24

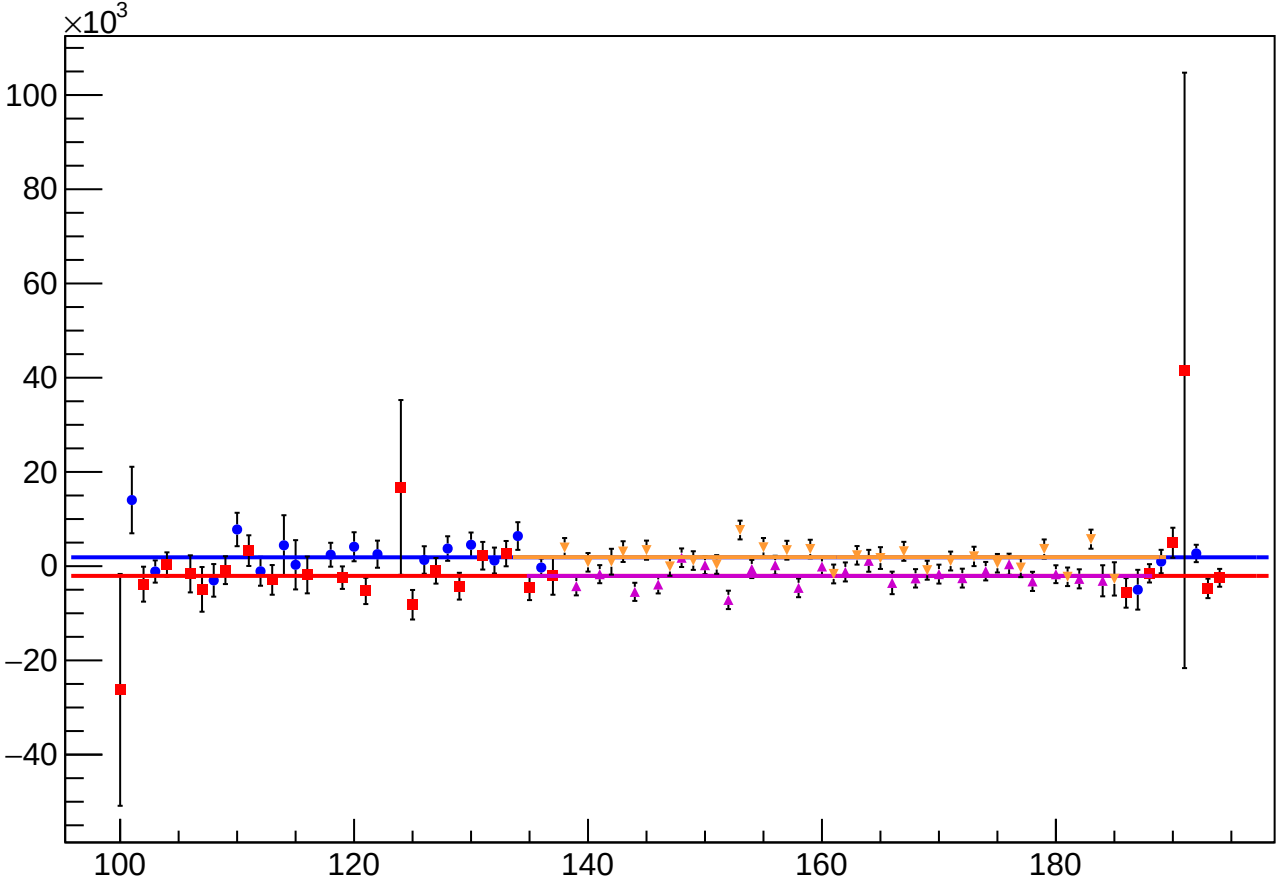
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 479.639+/-0.072 χ^2/NDF: 10199500.8/43

All: 491.902+/-0.051 χ^2/NDF: 19334257.6/91

- sign 504.865+/-0.074 χ^2/NDF: 9074743.7/47

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: -2065.428+/-595.855 χ^2/NDF: 26.9/24

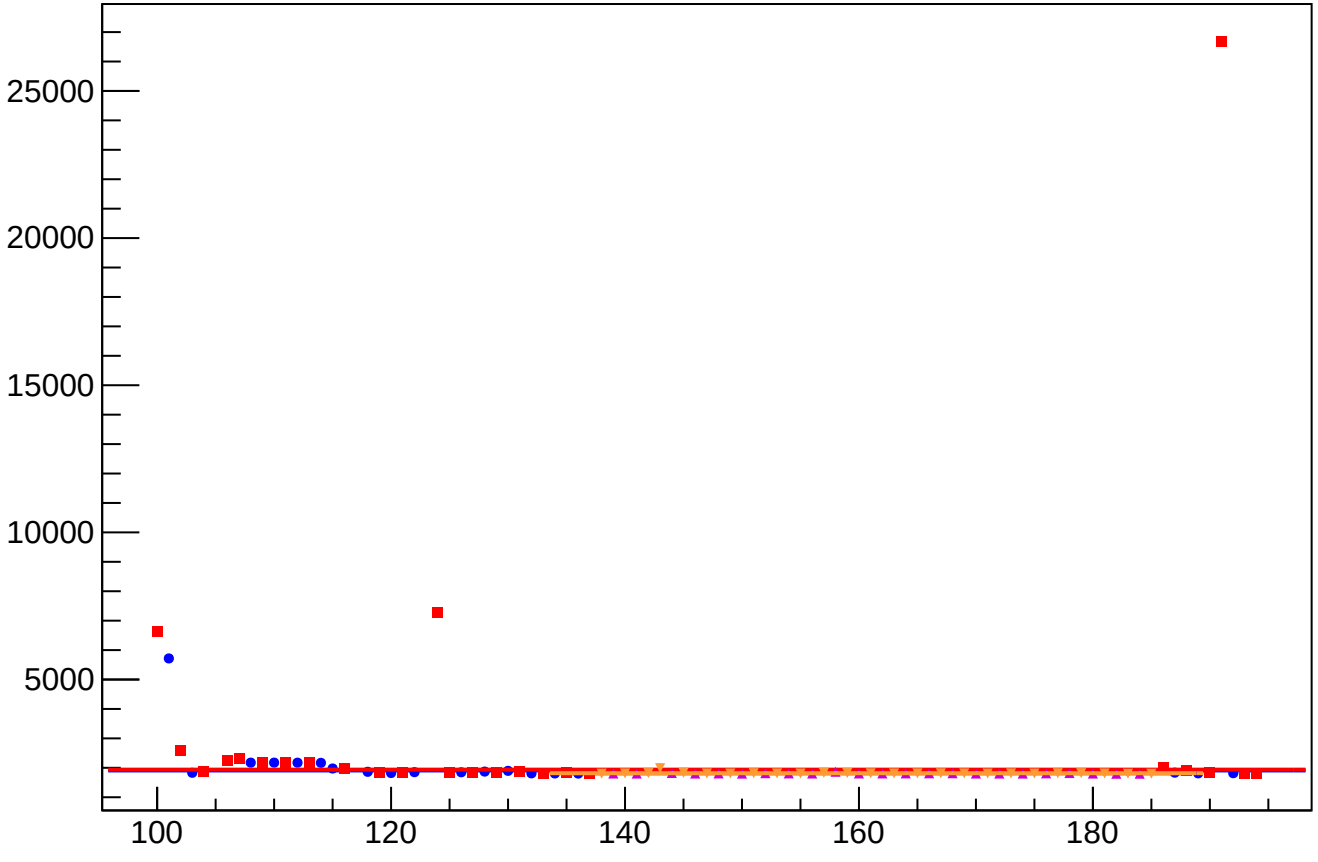
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1909.219+/-348.744 χ^2/NDF: 52.0/43

All: -102.351+/-245.277 χ^2/NDF: 171.3/91

- sign -2071.329+/-345.032 χ^2/NDF: 53.5/47

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: 1937.888+/-0.421 χ^2/NDF: 714025.3/24

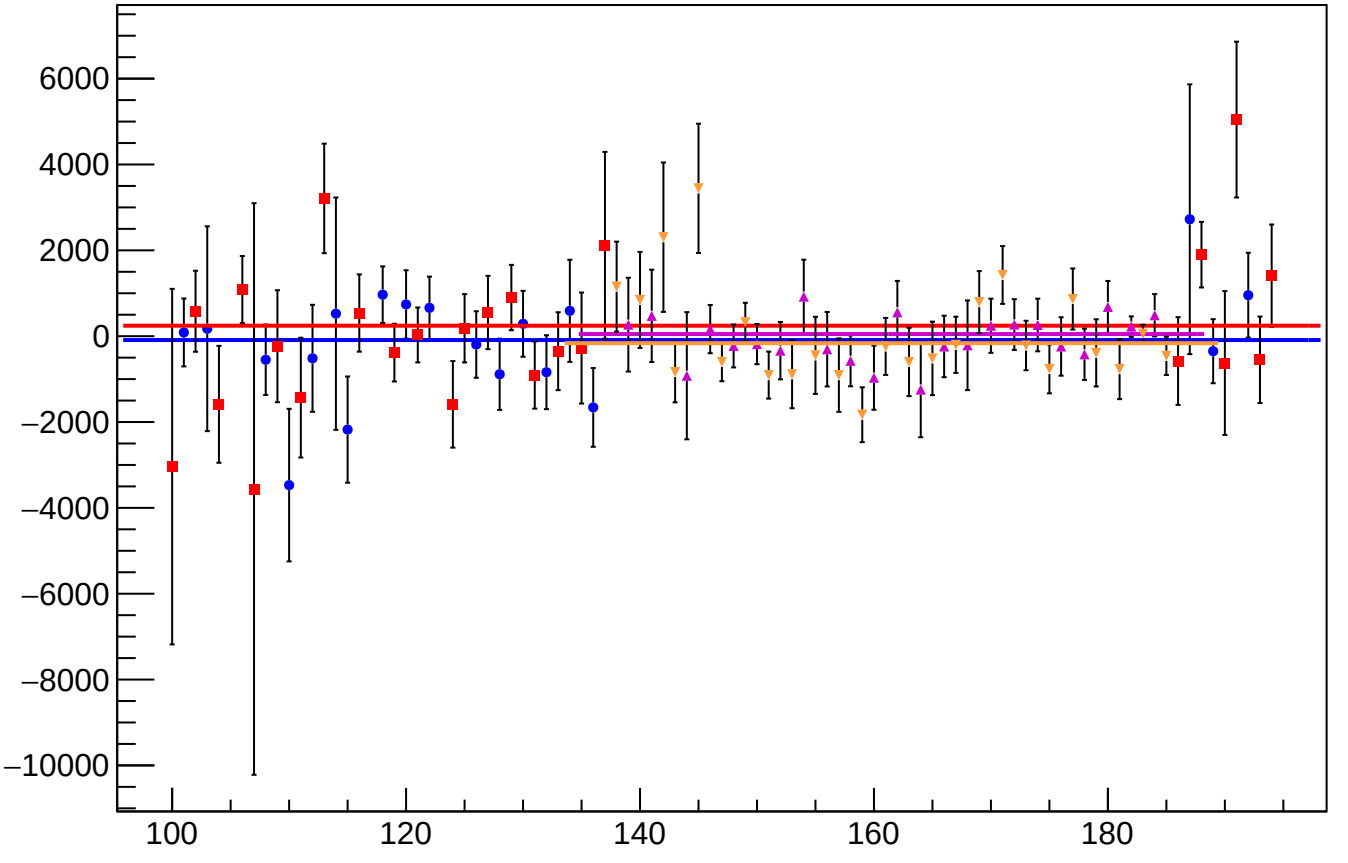
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1844.376+/-0.247 χ^2/NDF: 692134.2/43

All: 1849.529+/-0.173 χ^2/NDF: 1467863.8/91

- sign 1854.573+/-0.244 χ^2/NDF: 774865.4/47

asym_at1_avg_eigen_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: 244.127+/-198.686 χ^2/NDF: 34.0/24

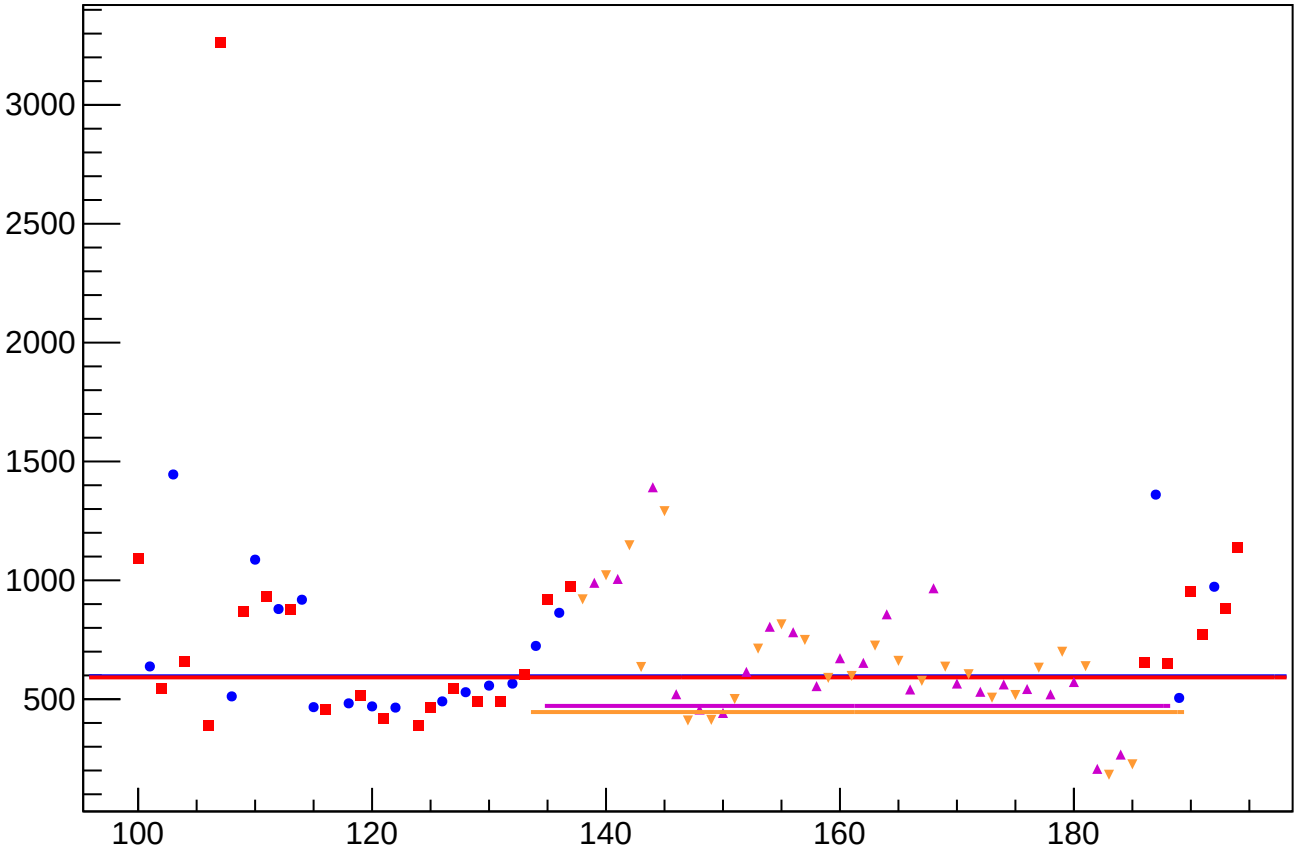
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -146.622+/-101.538 χ^2/NDF: 55.9/43

All: -25.226+/-72.787 χ^2/NDF: 104.9/91

- sign 103.091+/-104.393 χ^2/NDF: 46.0/47

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

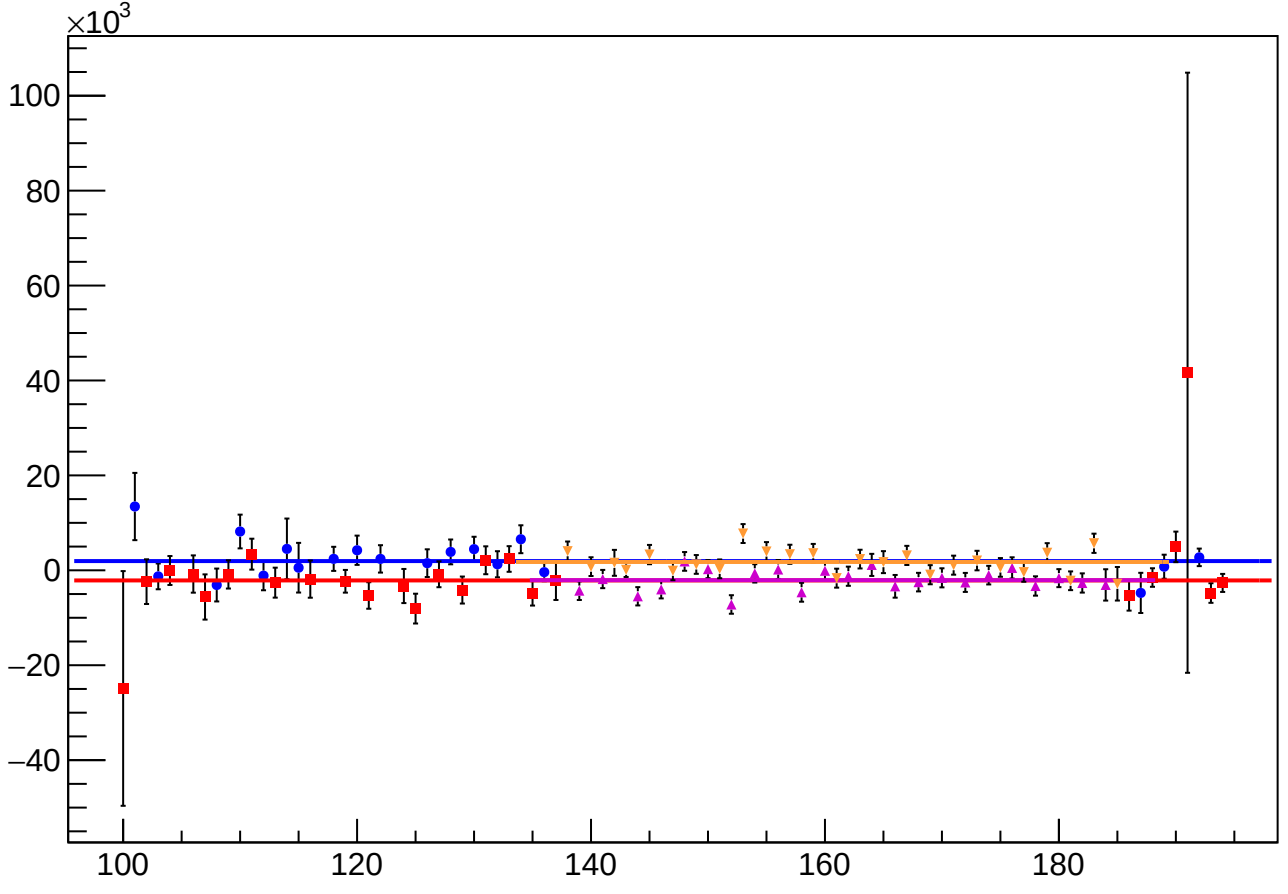
Right Out: 591.687+/-0.140 χ^2/NDF: 2133528.9/24

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 479.639+/-0.072 χ^2/NDF: 10199500.8/43

All: 491.902+/-0.051 χ^2/NDF: 19334257.6/91

- sign 504.865+/-0.074 χ^2/NDF: 9074743.7/47



Right In: 1944.966+/-659.238 χ^2/NDF: 19.5/18

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2132.566+/-596.352 χ^2/NDF: 25.0/24

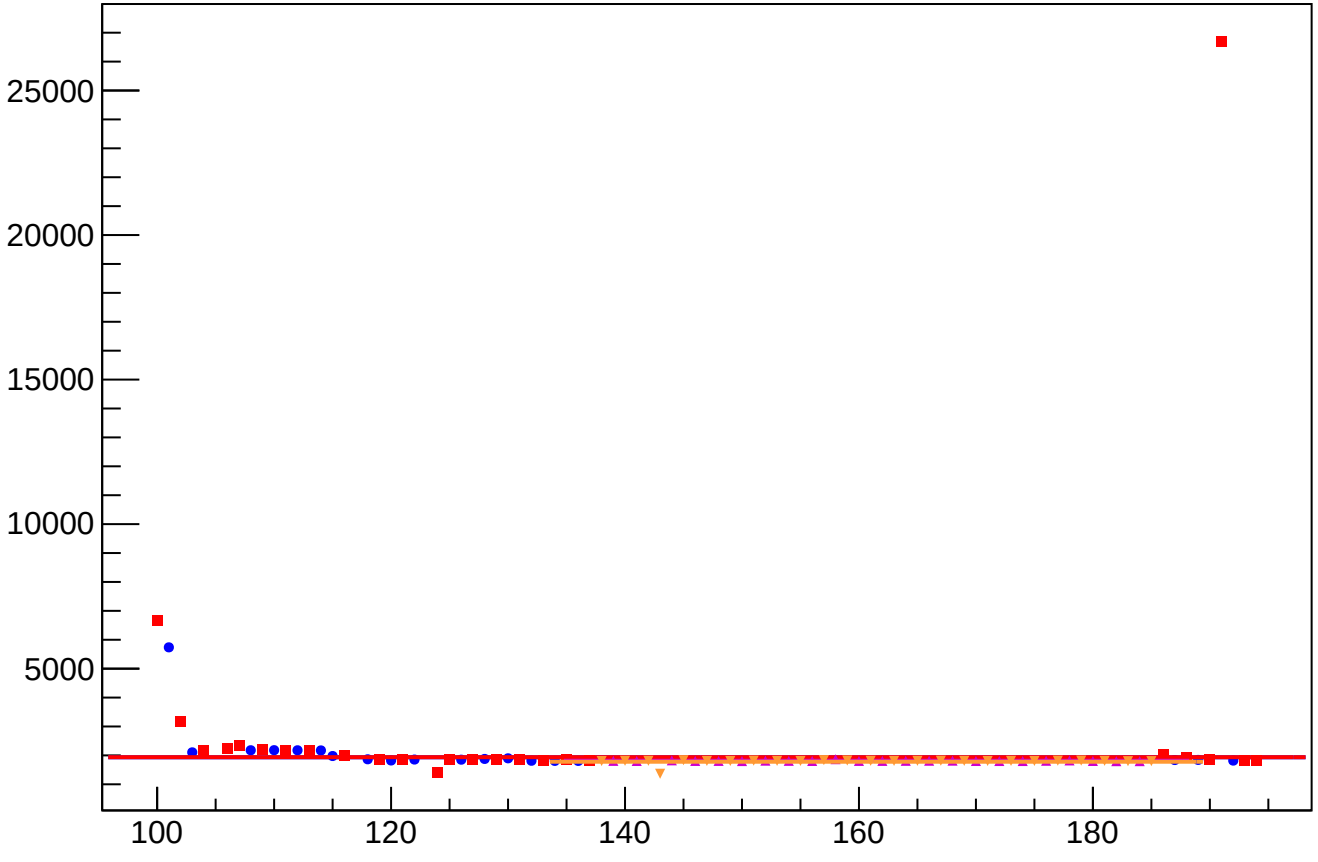
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1807.485+/-345.330 χ^2/NDF: 53.3/43

All: -142.664+/-244.199 χ^2/NDF: 169.1/91

- sign -2093.271+/-345.370 χ^2/NDF: 52.0/47

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: 1937.545+/-0.422 χ^2/NDF: 676068.3/24

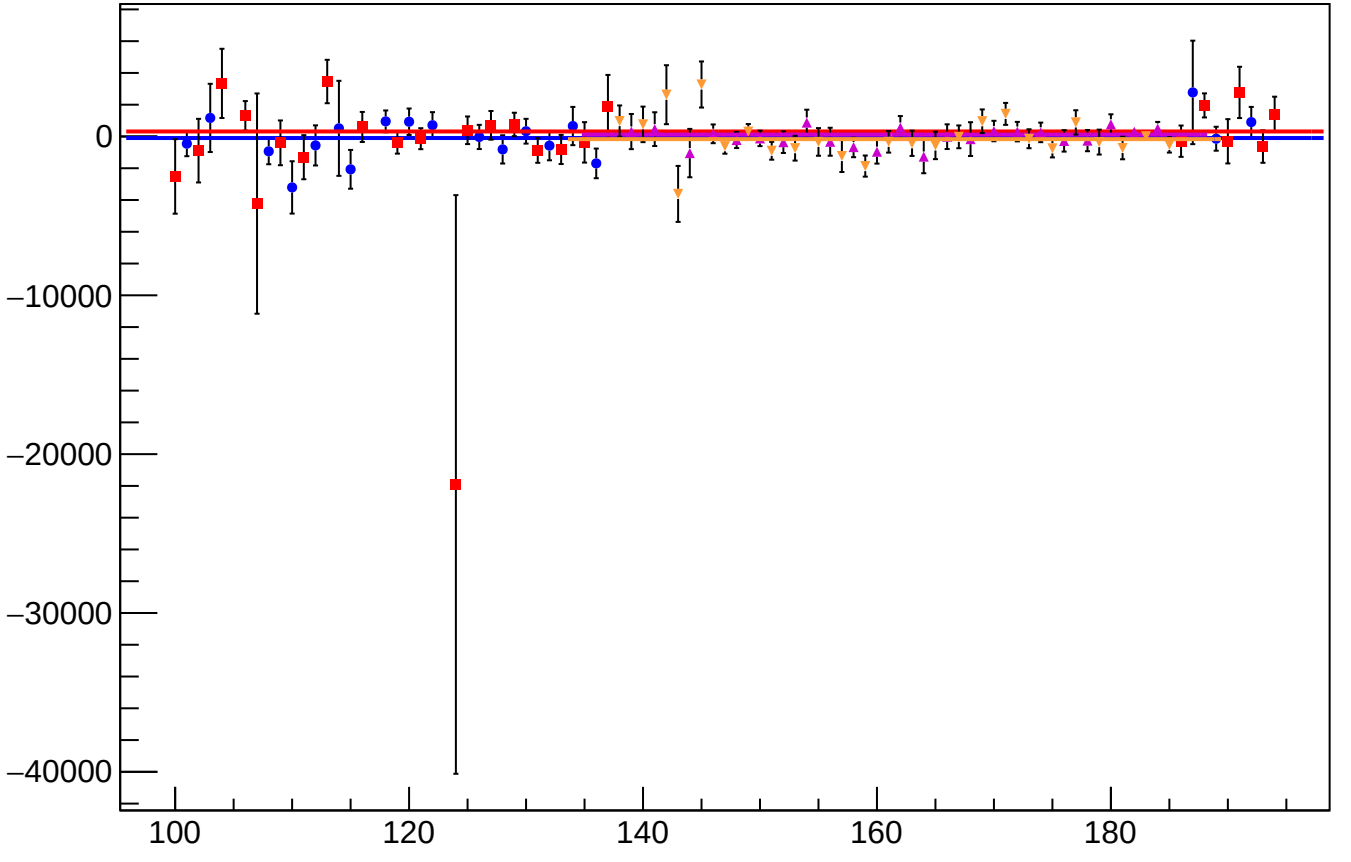
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1822.907+/-0.244 χ^2/NDF: 897721.1/43

All: 1839.315+/-0.173 χ^2/NDF: 1641561.2/91

- sign 1855.726+/-0.244 χ^2/NDF: 734809.6/47

asym_at1_avg_dit_correction_mean vs Slug



Right In: -98.117+/-219.424 χ^2/NDF: 19.2/18

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 315.111+/-211.280 χ^2/NDF: 30.0/24

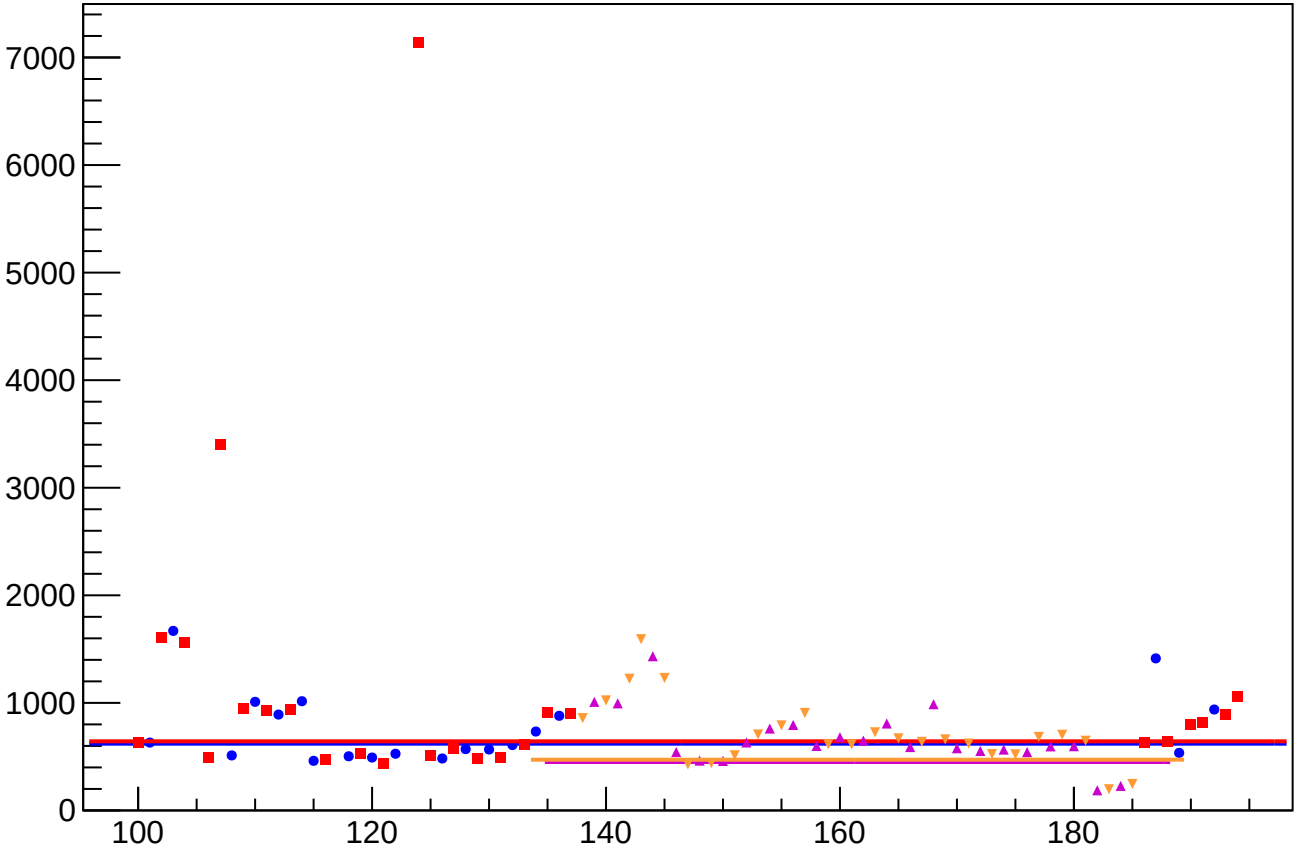
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -151.505+/-106.379 χ^2/NDF: 57.6/43

All: 10.204+/-74.437 χ^2/NDF: 105.1/91

- sign 165.341+/-104.194 χ^2/NDF: 43.0/47

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: 642.752+/-0.149 χ^2/NDF: 2840352.5/24

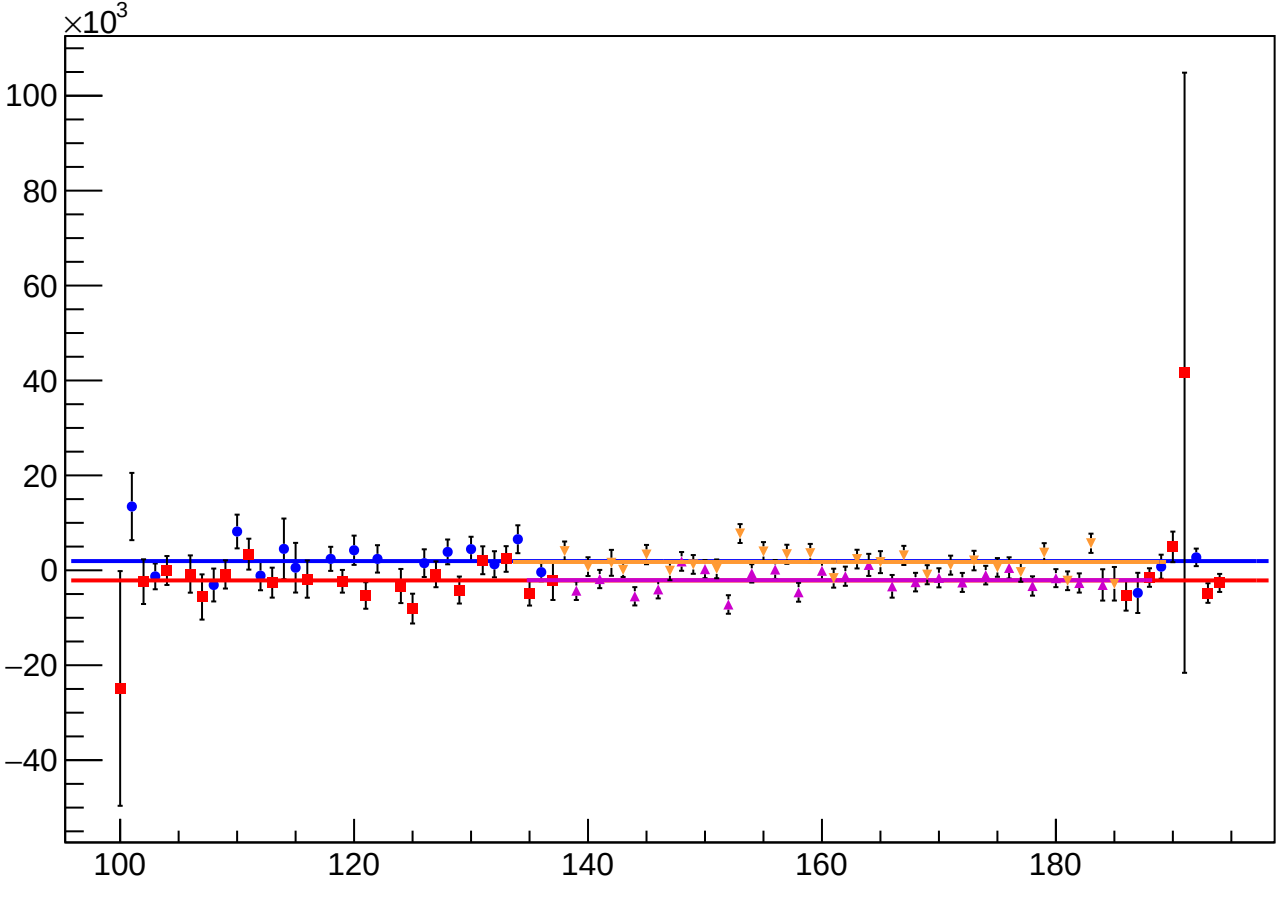
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 506.791+/-0.075 χ^2/NDF: 10354216.2/43

All: 501.984+/-0.053 χ^2/NDF: 22382156.2/91

- sign 497.371+/-0.074 χ^2/NDF: 12019935.5/47

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: -2132.563+/-596.352 χ^2/NDF: 25.0/24

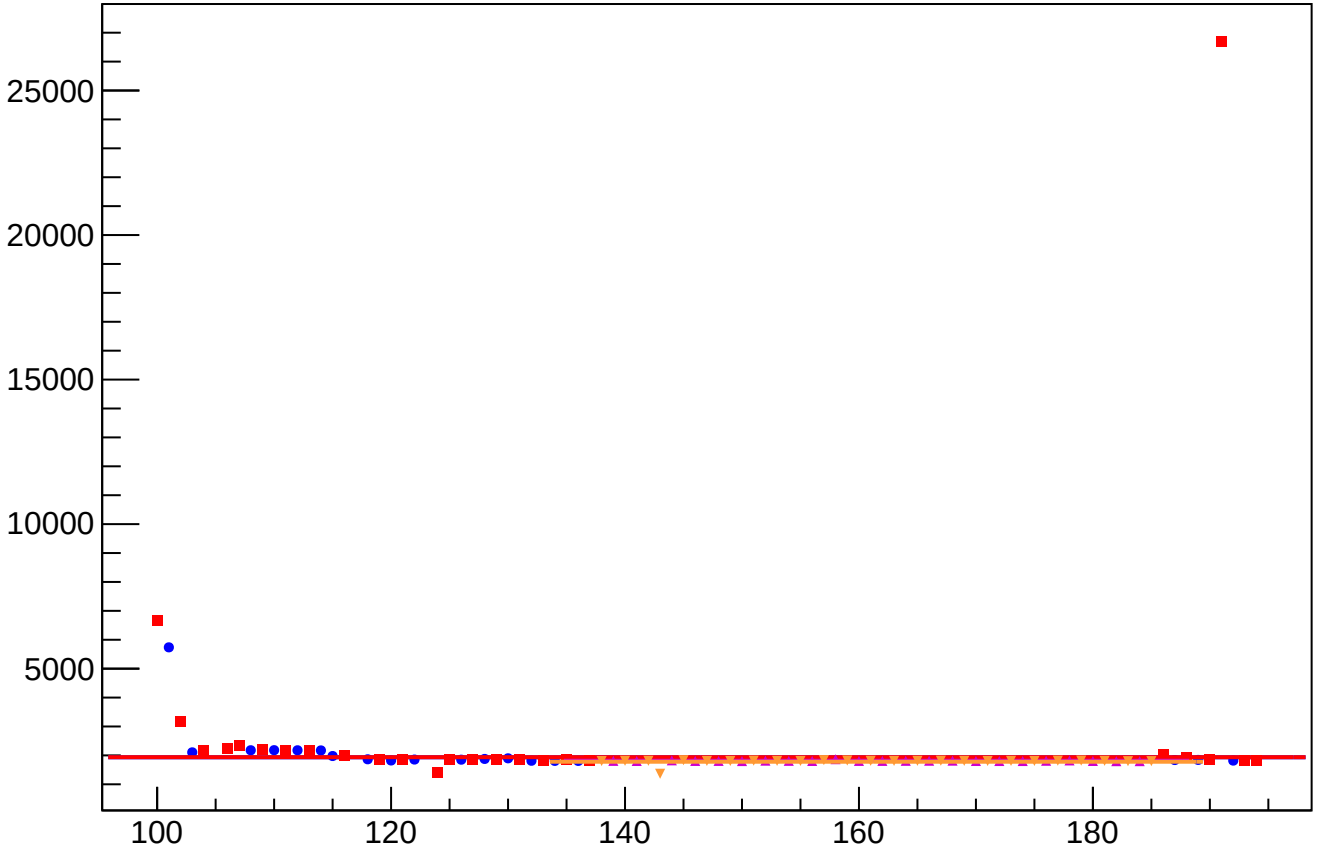
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1807.484+/-345.330 χ^2/NDF: 53.3/43

All: -142.663+/-244.199 χ^2/NDF: 169.1/91

- sign -2093.270+/-345.370 χ^2/NDF: 52.0/47

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: 1937.544+/-0.422 χ^2/NDF: 676067.0/24

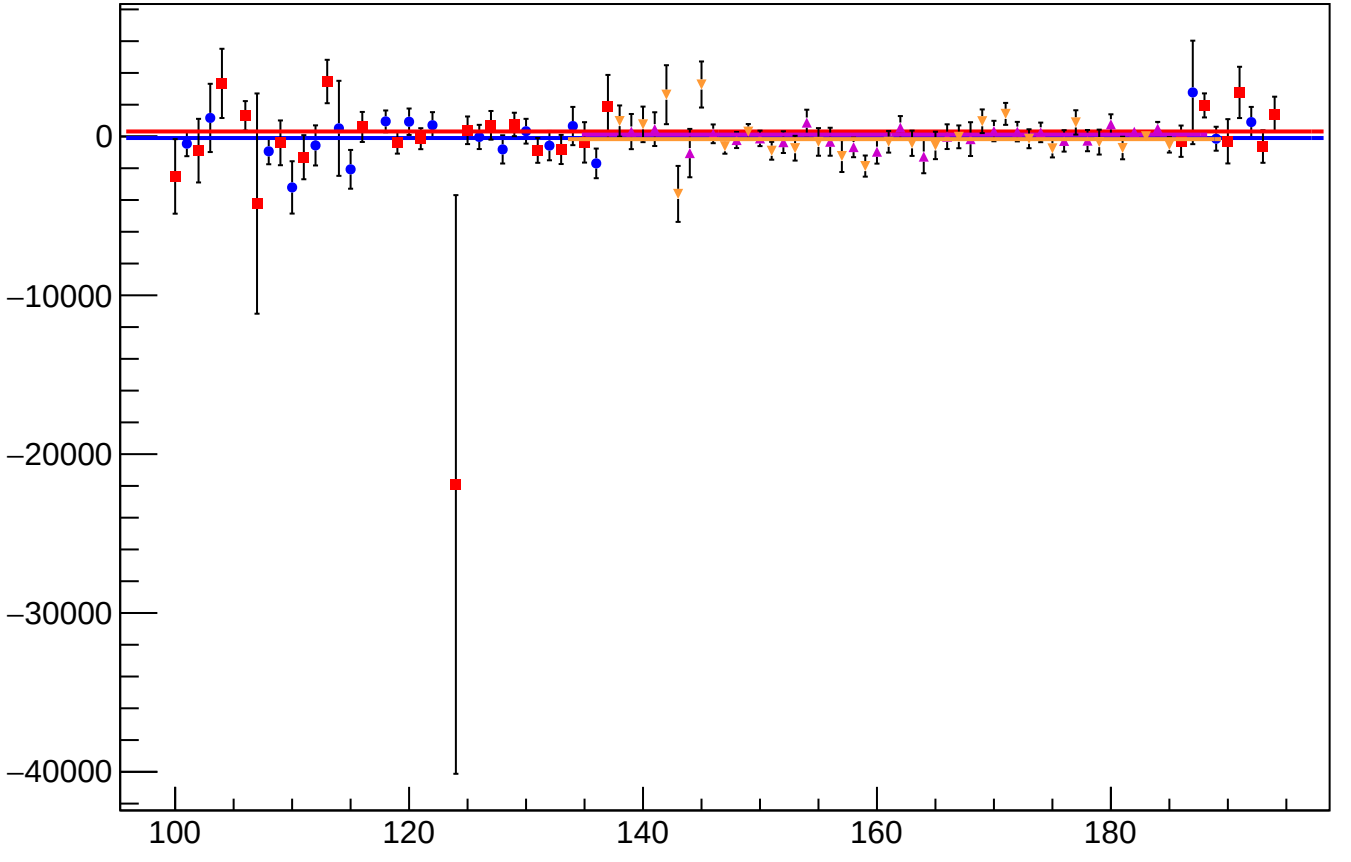
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1822.907+/-0.244 χ^2/NDF: 897720.6/43

All: 1839.315+/-0.173 χ^2/NDF: 1641559.2/91

- sign 1855.726+/-0.244 χ^2/NDF: 734808.2/47

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -98.117+/-219.424 χ^2/NDF: 19.2/18

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 315.111+/-211.280 χ^2/NDF: 30.0/24

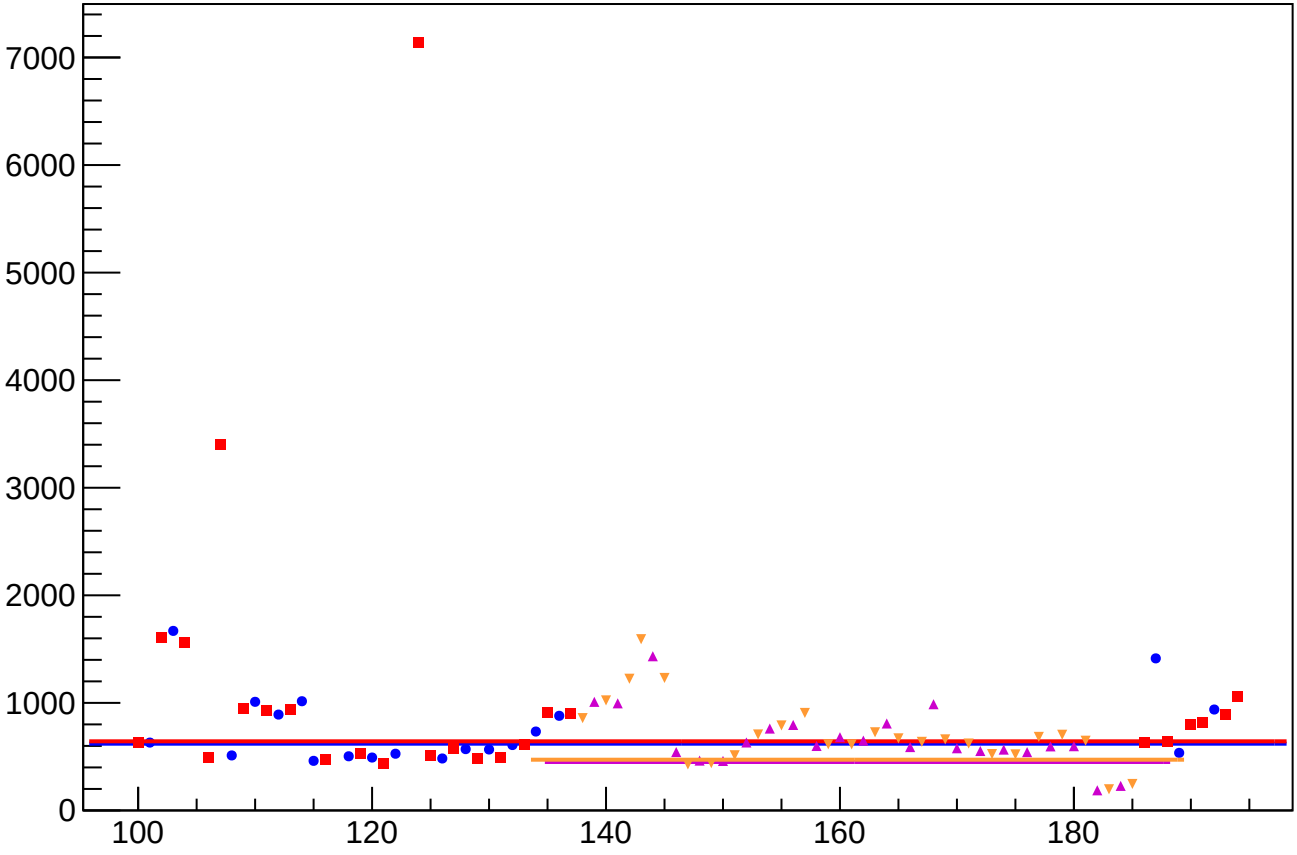
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -151.505+/-106.379 χ^2/NDF: 57.6/43

All: 10.204+/-74.437 χ^2/NDF: 105.1/91

- sign 165.341+/-104.194 χ^2/NDF: 43.0/47

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: 642.751+/-0.149 χ^2/NDF: 2840365.7/24

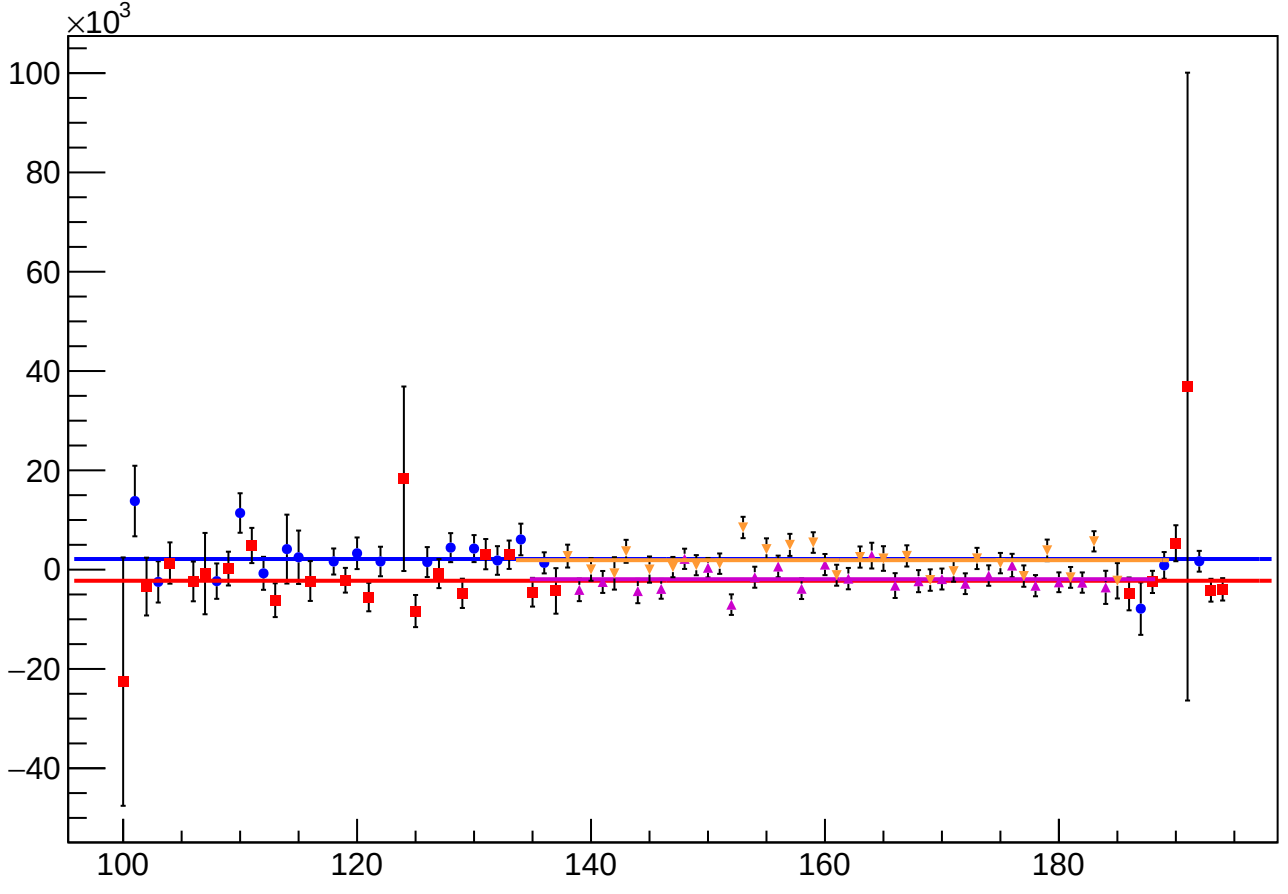
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 506.792+/-0.075 χ^2/NDF: 10354212.8/43

All: 501.984+/-0.053 χ^2/NDF: 22382130.5/91

- sign 497.372+/-0.074 χ^2/NDF: 12019913.7/47

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: -2238.332+/-667.264 χ^2/NDF: 28.3/24

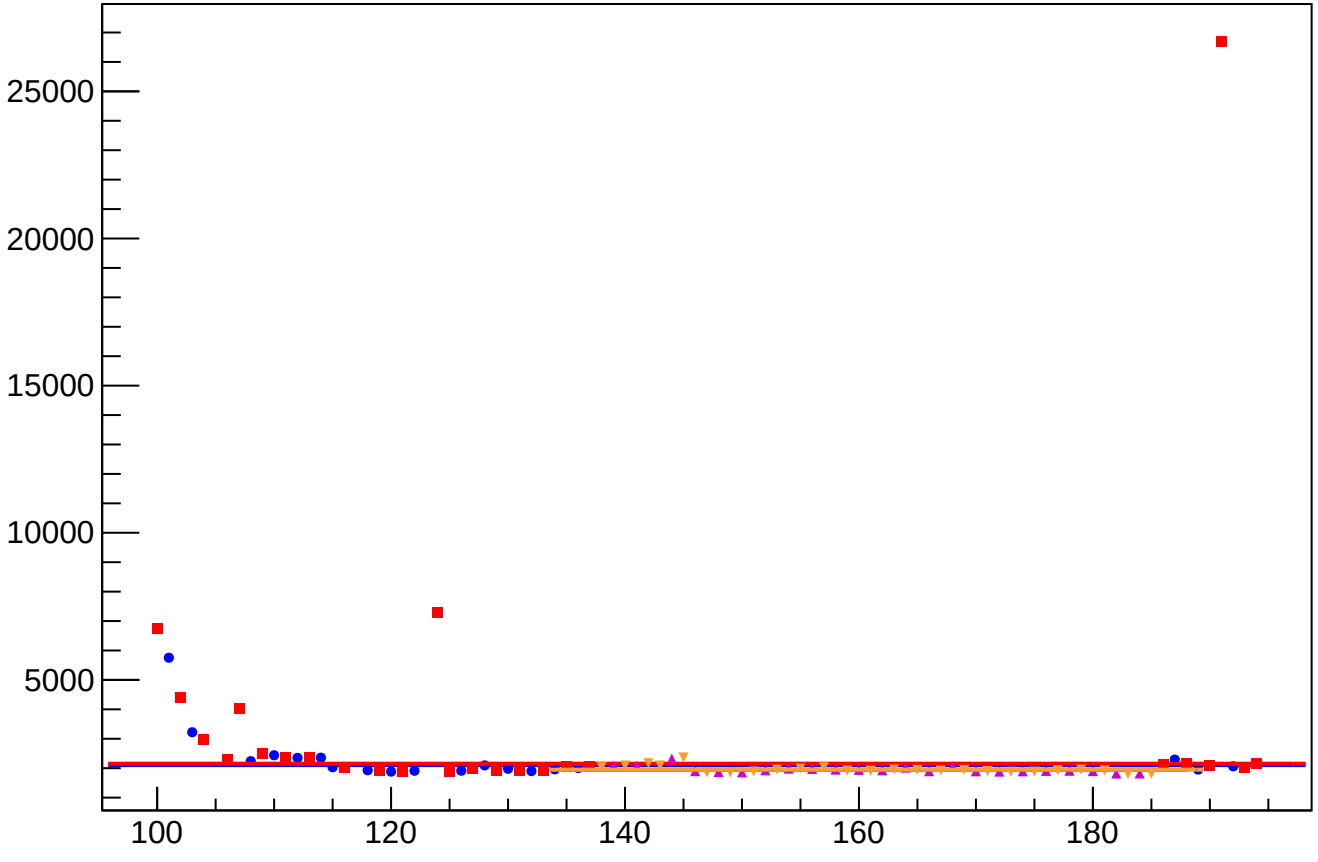
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 1971.749+/-377.653 χ^2/NDF: 55.1/43

All: -36.418+/-266.402 χ^2/NDF: 164.6/91

- sign -2025.485+/-375.853 χ^2/NDF: 53.3/47

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

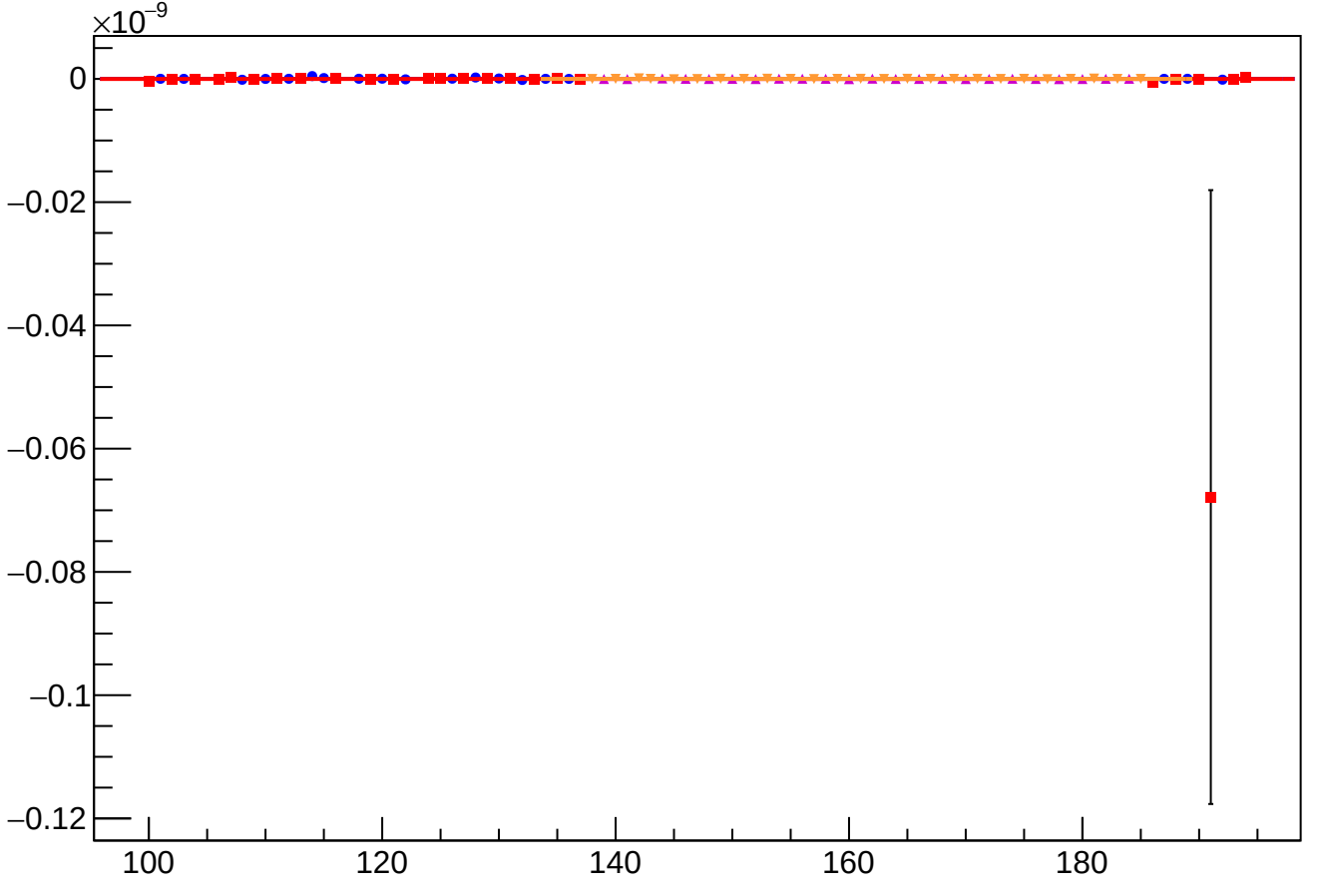
Right Out: 2153.312+/-0.472 χ^2/NDF: 1137039.7/24

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 1991.940+/-0.267 χ^2/NDF: 947120.9/43

All: 2001.608+/-0.188 χ^2/NDF: 2315634.3/91

- sign 2011.184+/-0.266 χ^2/NDF: 1365904.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

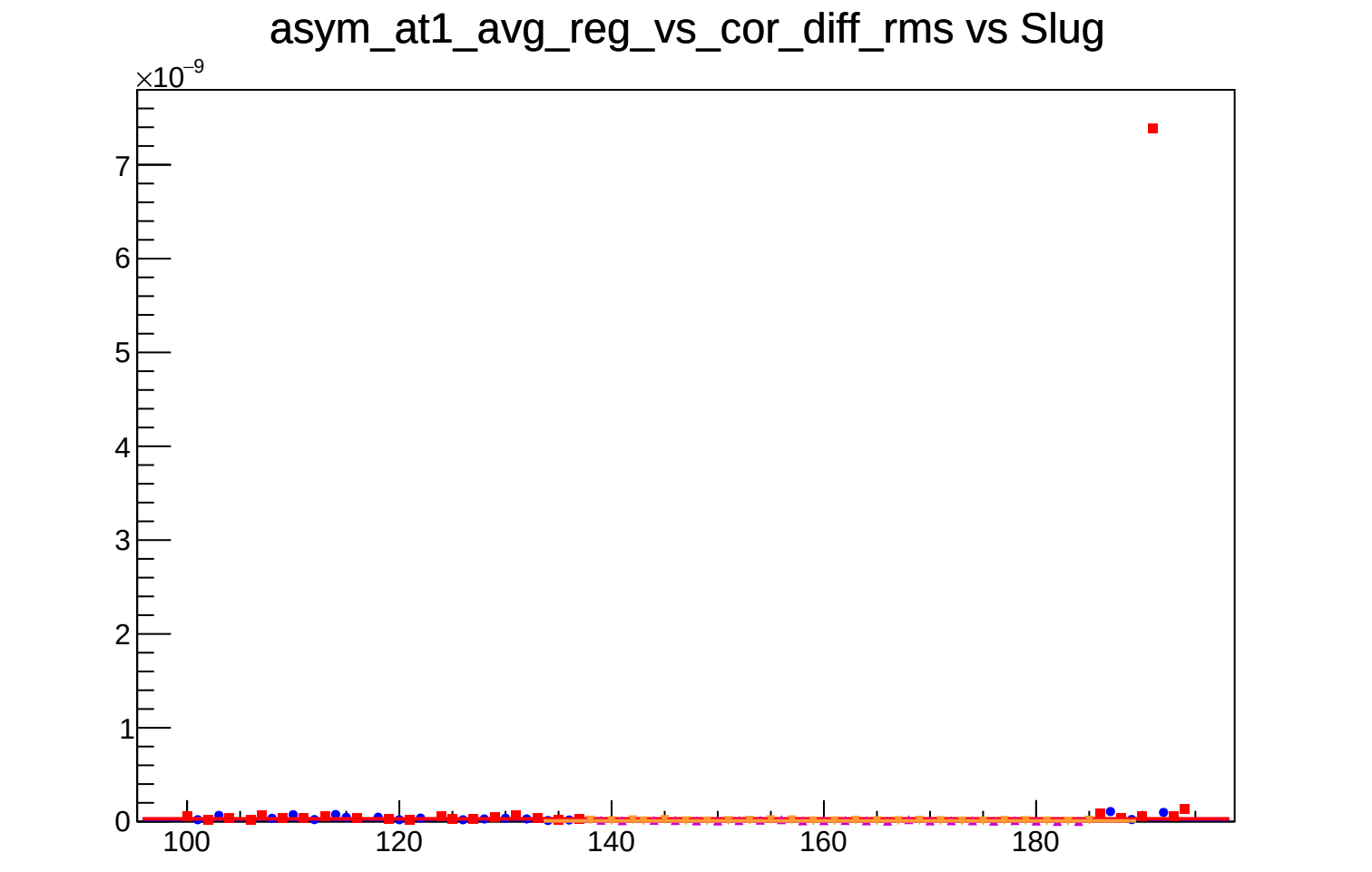
Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/24

Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.1/43

All: 0.000+/-0.000 χ^2/NDF: 103.5/91

- sign 0.000+/-0.000 χ^2/NDF: 55.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 1728714.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1715756.5/24

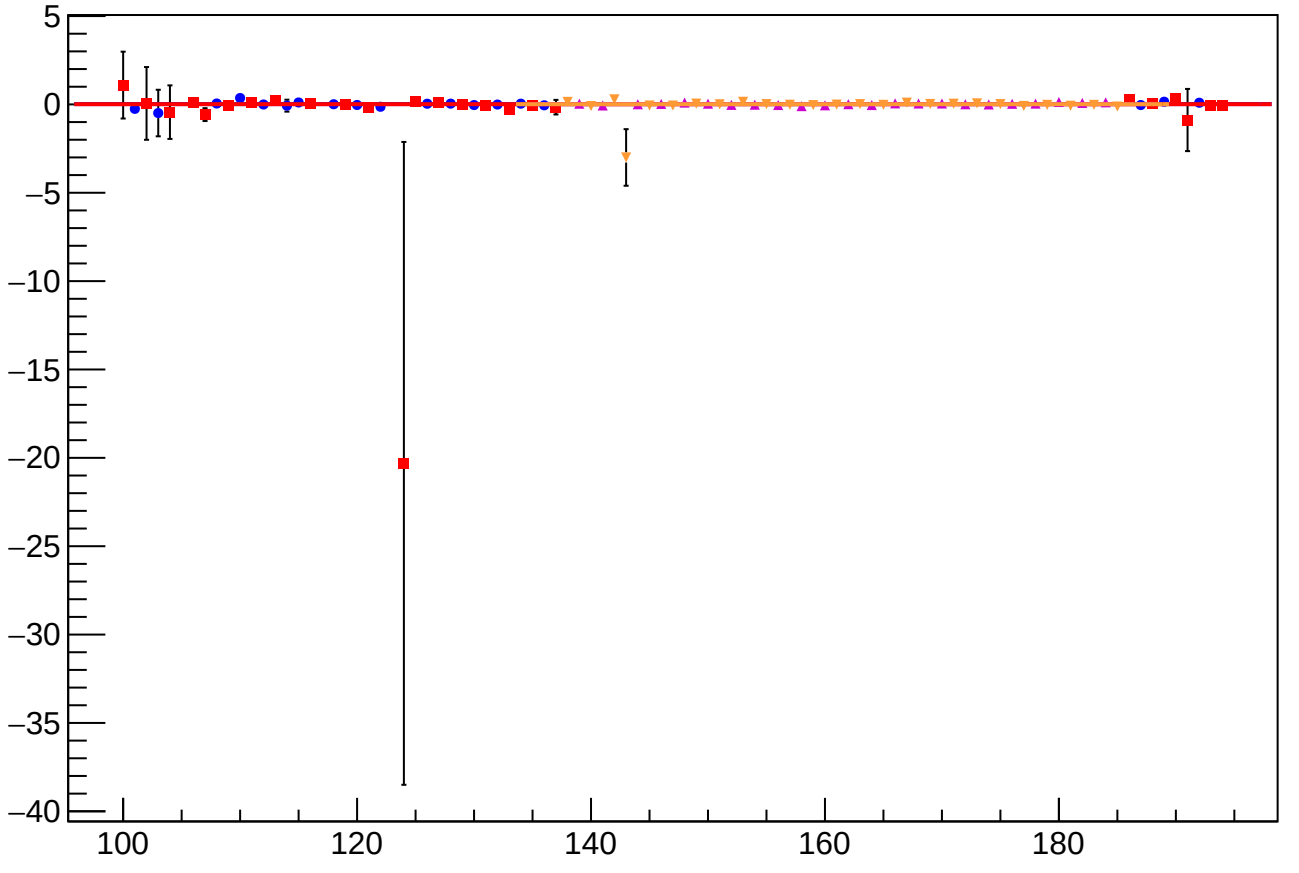
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6089730.9/43

All: 0.000+/-0.000 χ^2/NDF: 13562077.8/91

- sign 0.000+/-0.000 χ^2/NDF: 7470605.6/47

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: 0.012+/-0.023 χ^2/NDF: 23.8/24

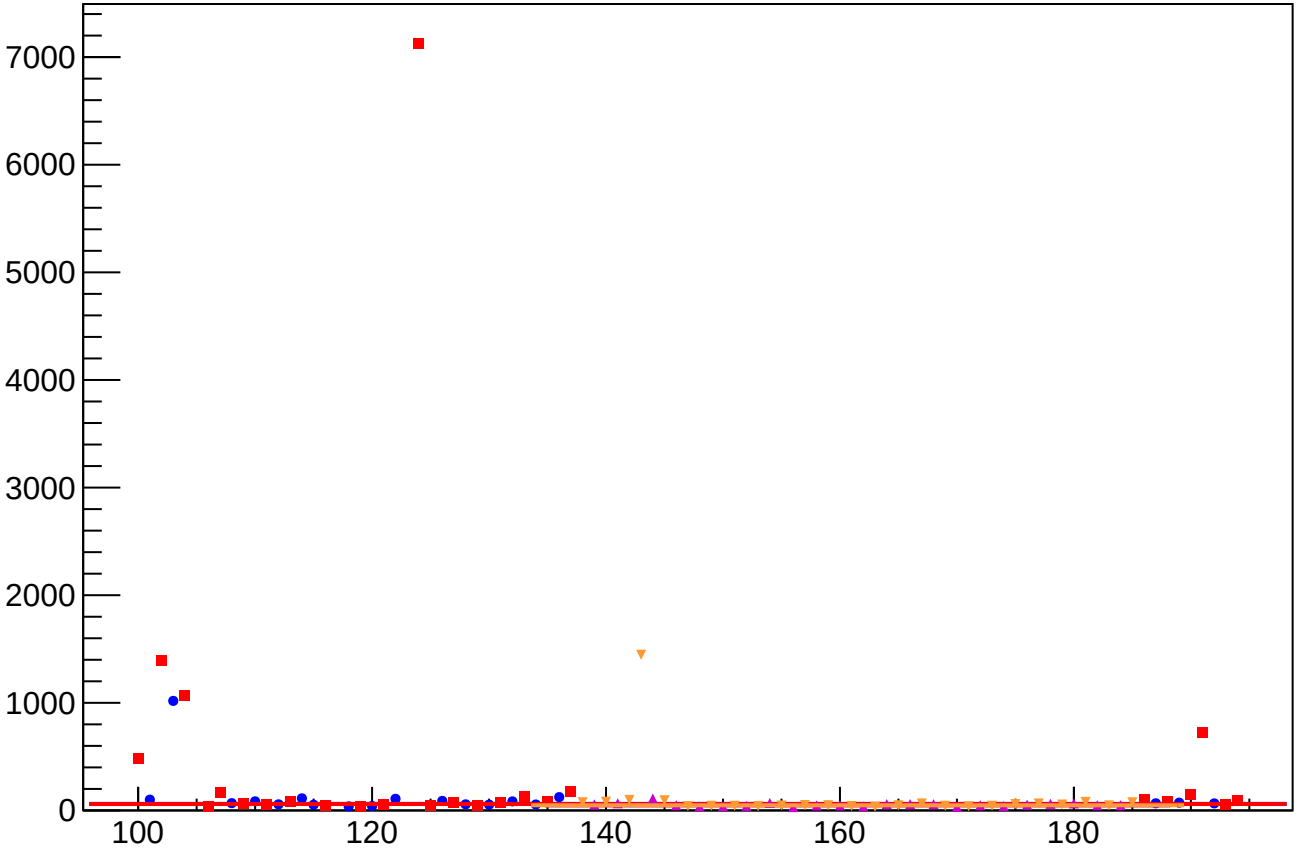
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 43.5/43

All: 0.015+/-0.008 χ^2/NDF: 87.8/91

- sign 0.017+/-0.011 χ^2/NDF: 44.2/47

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

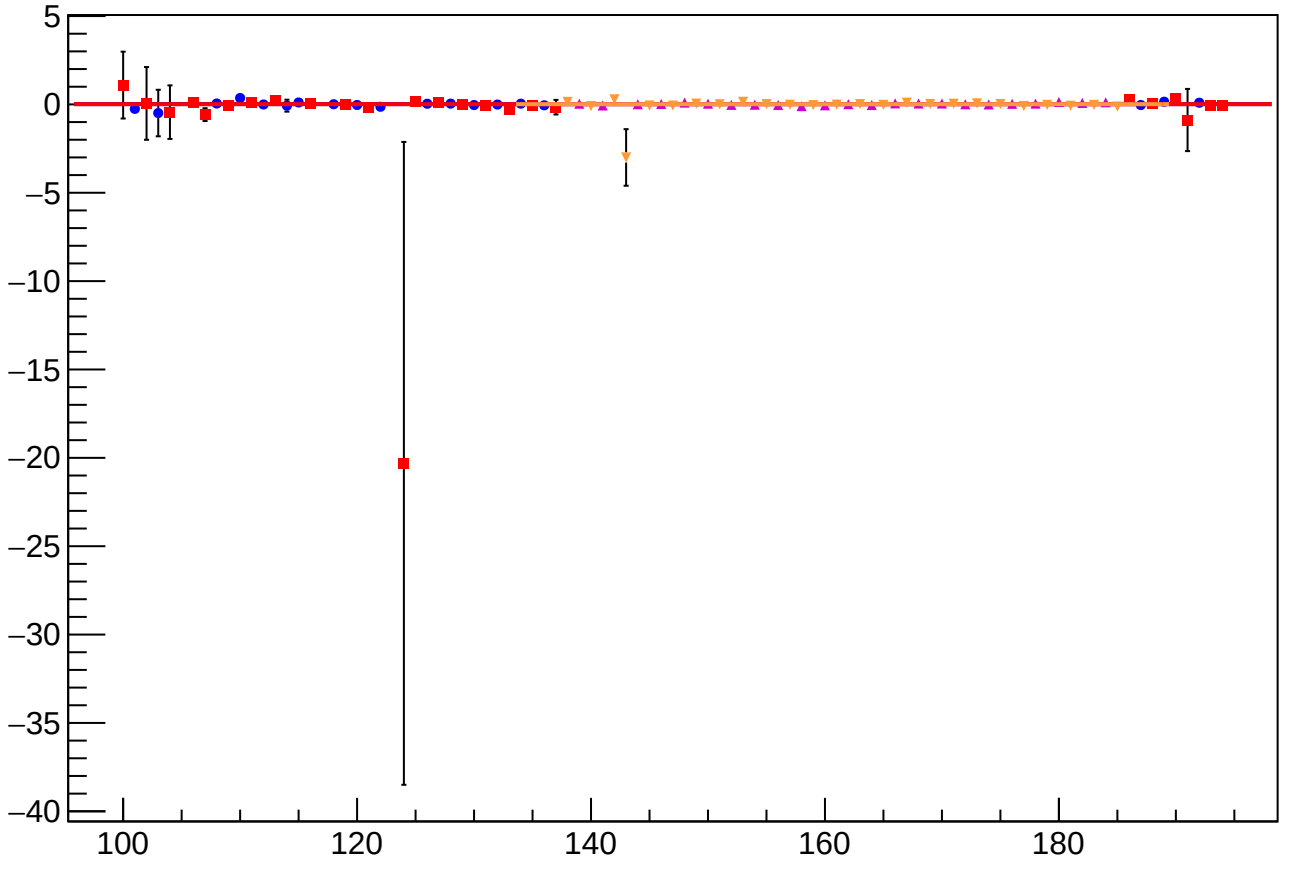
Right Out: 59.623+/-0.016 χ^2/NDF: 4516268.1/24

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.623+/-0.008 χ^2/NDF: 6526393.2/43

All: 50.150+/-0.005 χ^2/NDF: 13497895.0/91

- sign 49.703+/-0.008 χ^2/NDF: 6964413.7/47



Right In: 0.018+/-0.024 χ^2/NDF: 13.9/18

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.012+/-0.023 χ^2/NDF: 23.8/24

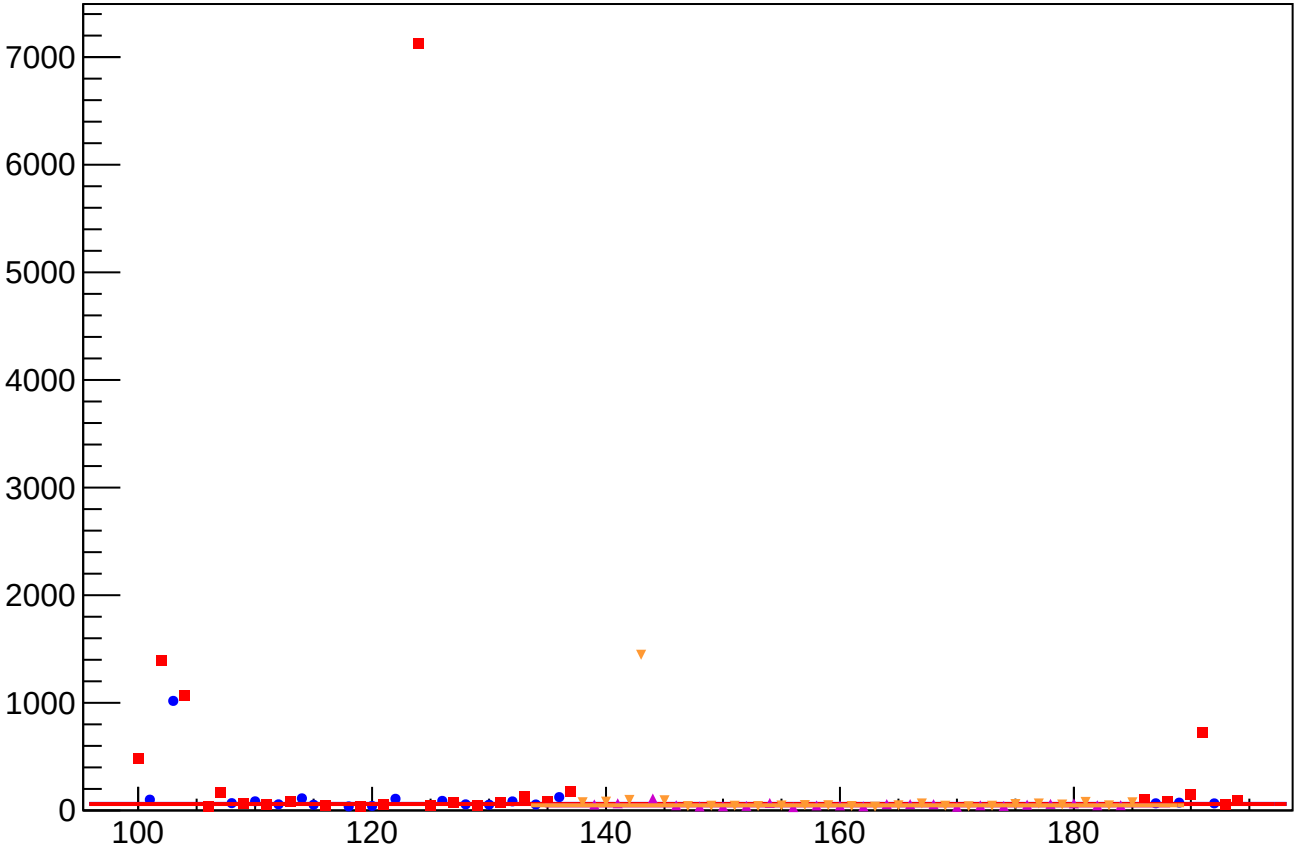
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 43.5/43

All: 0.015+/-0.008 χ^2/NDF: 87.8/91

- sign 0.017+/-0.011 χ^2/NDF: 44.2/47

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: 59.623+/-0.016 χ^2/NDF: 4516268.1/24

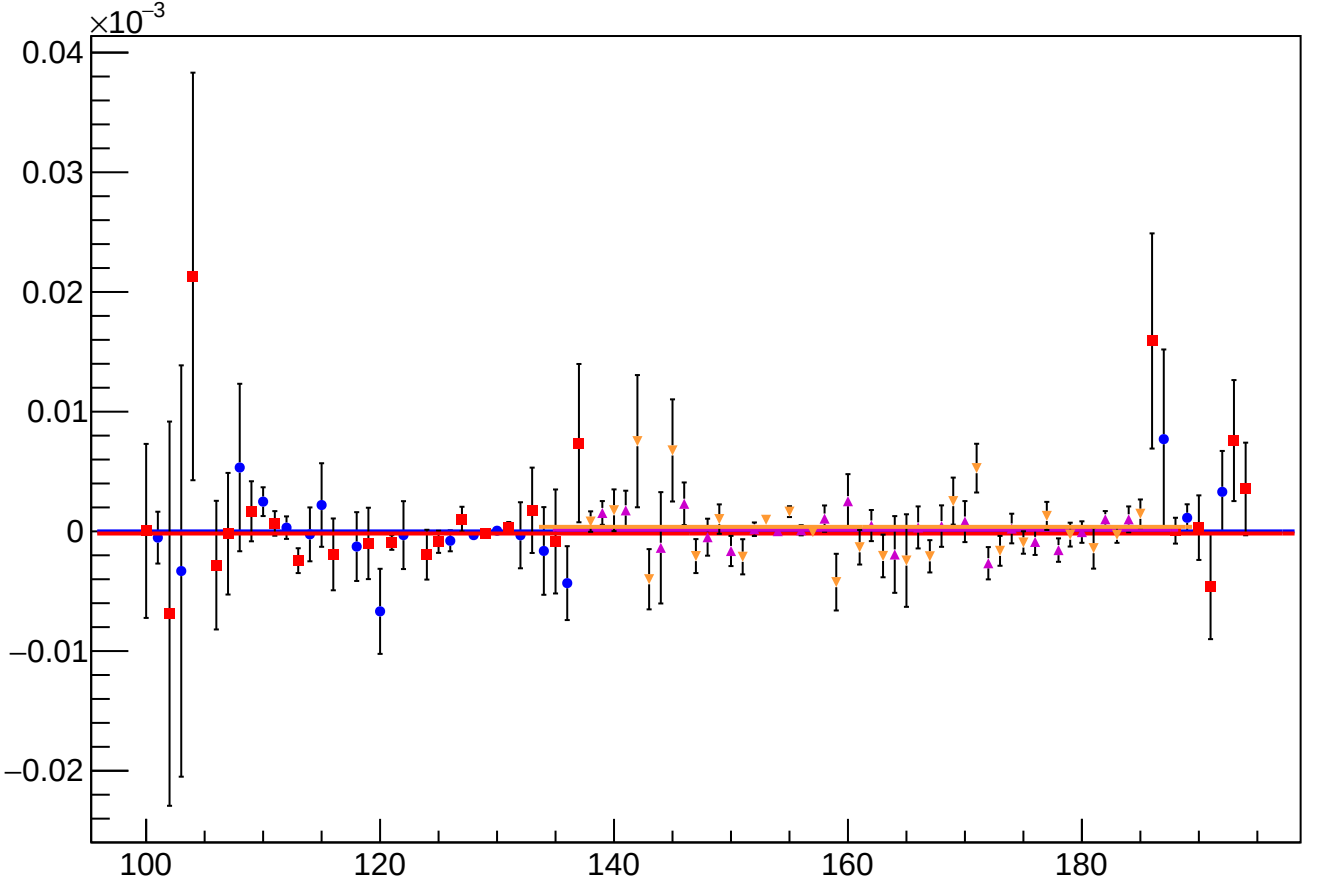
Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.623+/-0.008 χ^2/NDF: 6526393.2/43

All: 50.150+/-0.005 χ^2/NDF: 13497895.0/91

- sign 49.703+/-0.008 χ^2/NDF: 6964413.7/47

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: 23.2/24

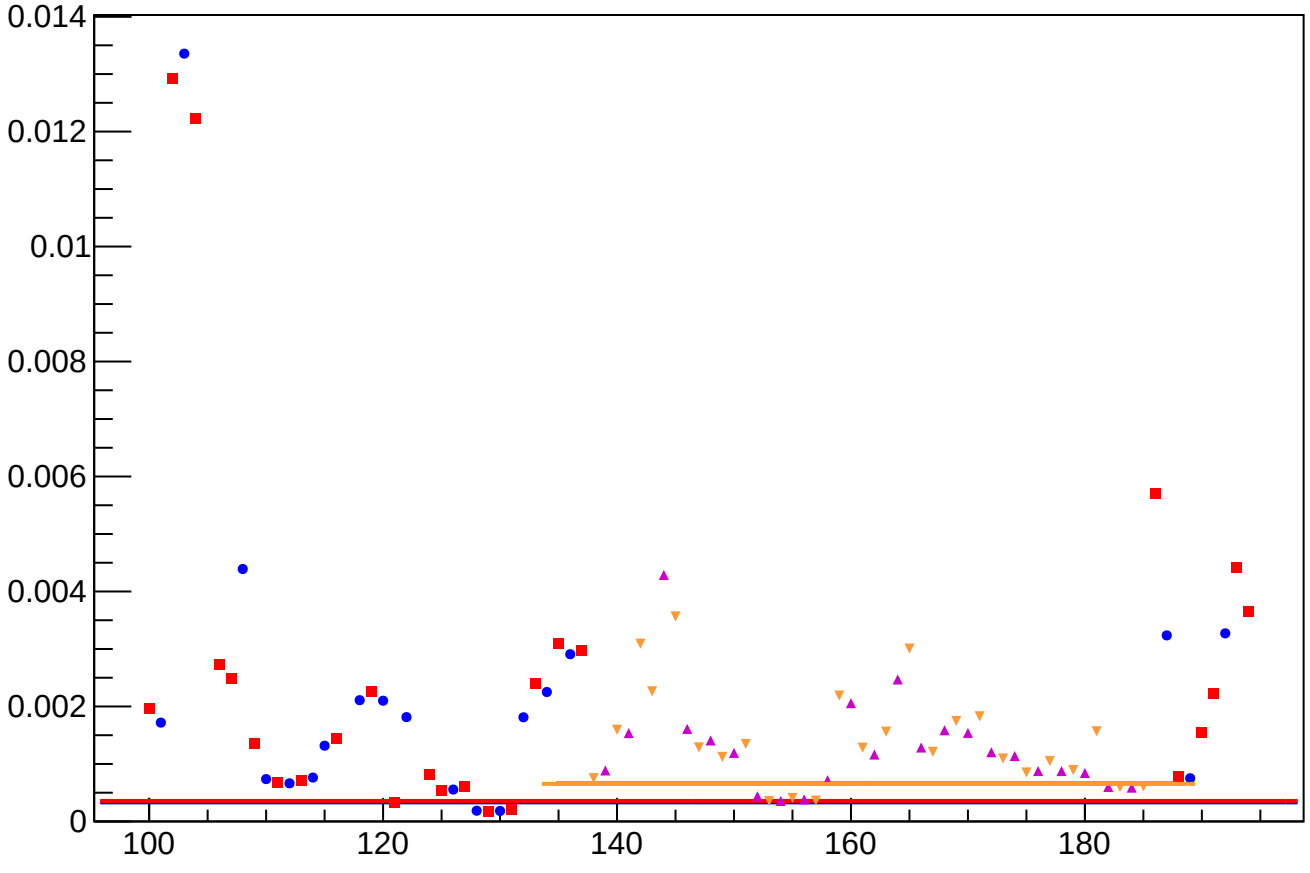
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.7/43

All: 0.000+/-0.000 χ^2/NDF: 115.5/91

- sign -0.000+/-0.000 χ^2/NDF: 44.6/47

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

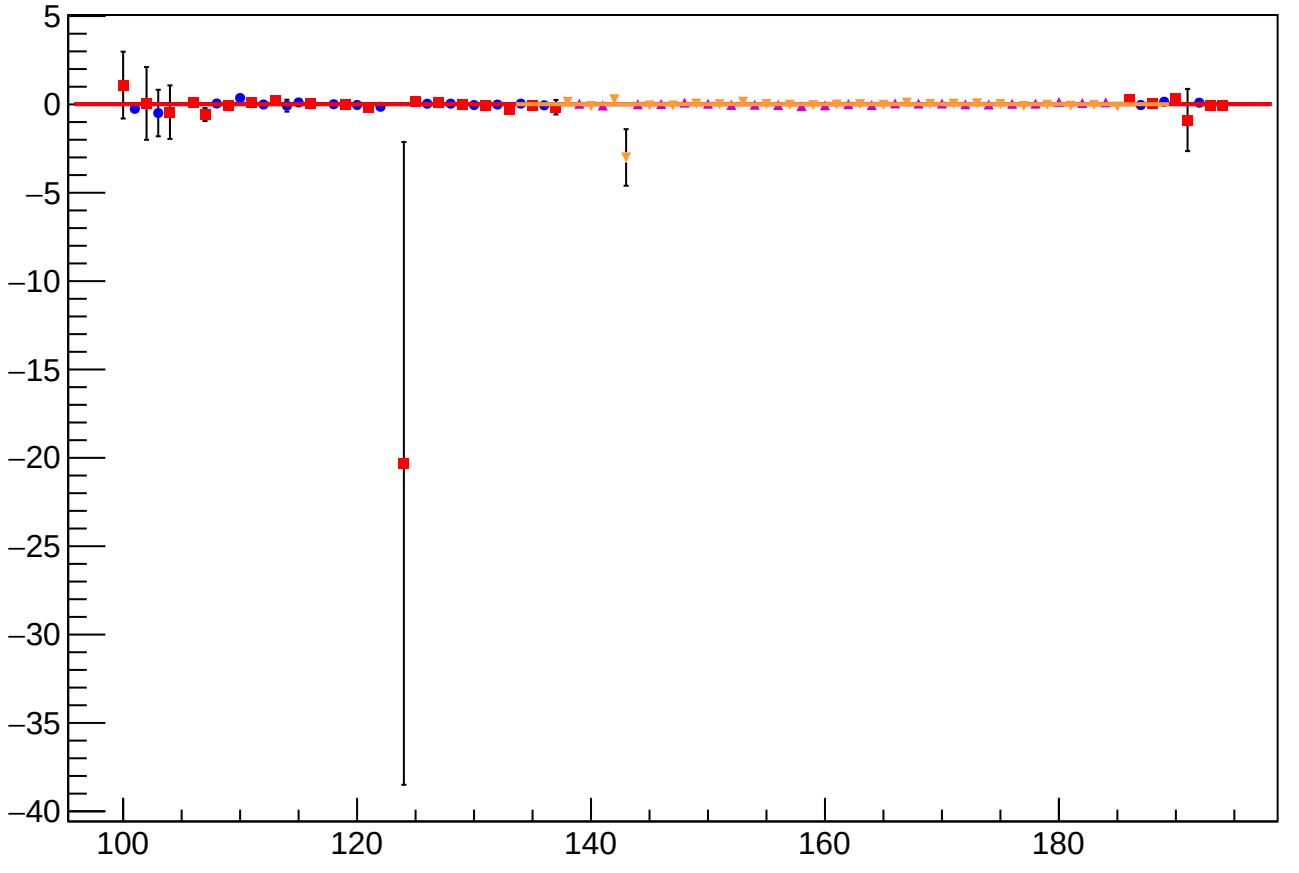
Right Out: 0.000+/-0.000 χ^2/NDF: 12609300.8/24

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: 50817169.1/91

- sign 0.001+/-0.000 χ^2/NDF: 24907173.3/47



Right In: 0.018+/-0.024 χ^2/NDF: 13.9/18

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.012+/-0.023 χ^2/NDF: 23.8/24

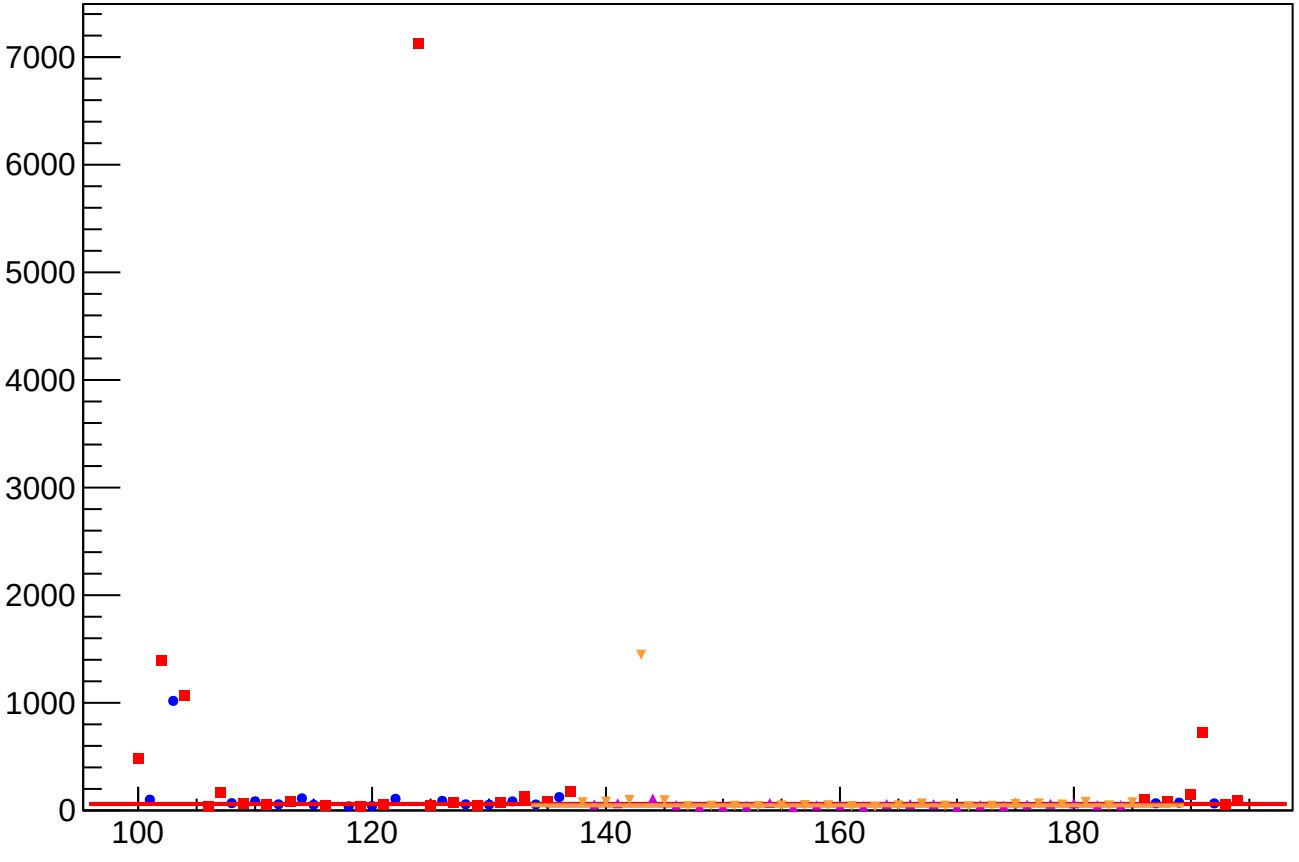
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 43.5/43

All: 0.015+/-0.008 χ^2/NDF: 87.8/91

- sign 0.017+/-0.011 χ^2/NDF: 44.2/47

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

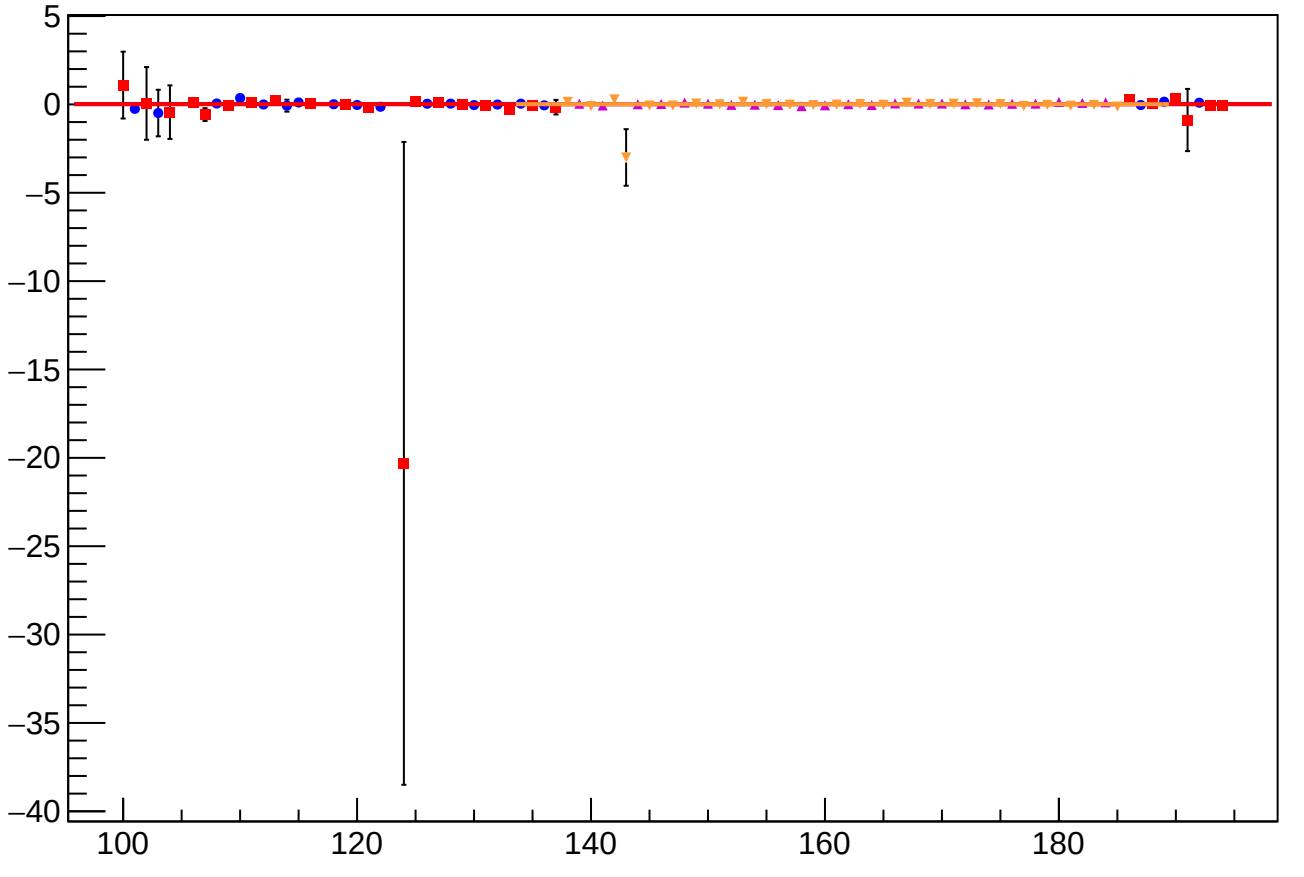
Right Out: 59.622+/-0.016 χ^2/NDF: 4516378.2/24

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.623+/-0.008 χ^2/NDF: 6526364.0/43

All: 50.150+/-0.005 χ^2/NDF: 13497904.0/91

- sign 49.702+/-0.008 χ^2/NDF: 6964446.1/47



Right In: 0.018+/-0.024 χ^2/NDF: 13.9/18

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.012+/-0.023 χ^2/NDF: 23.8/24

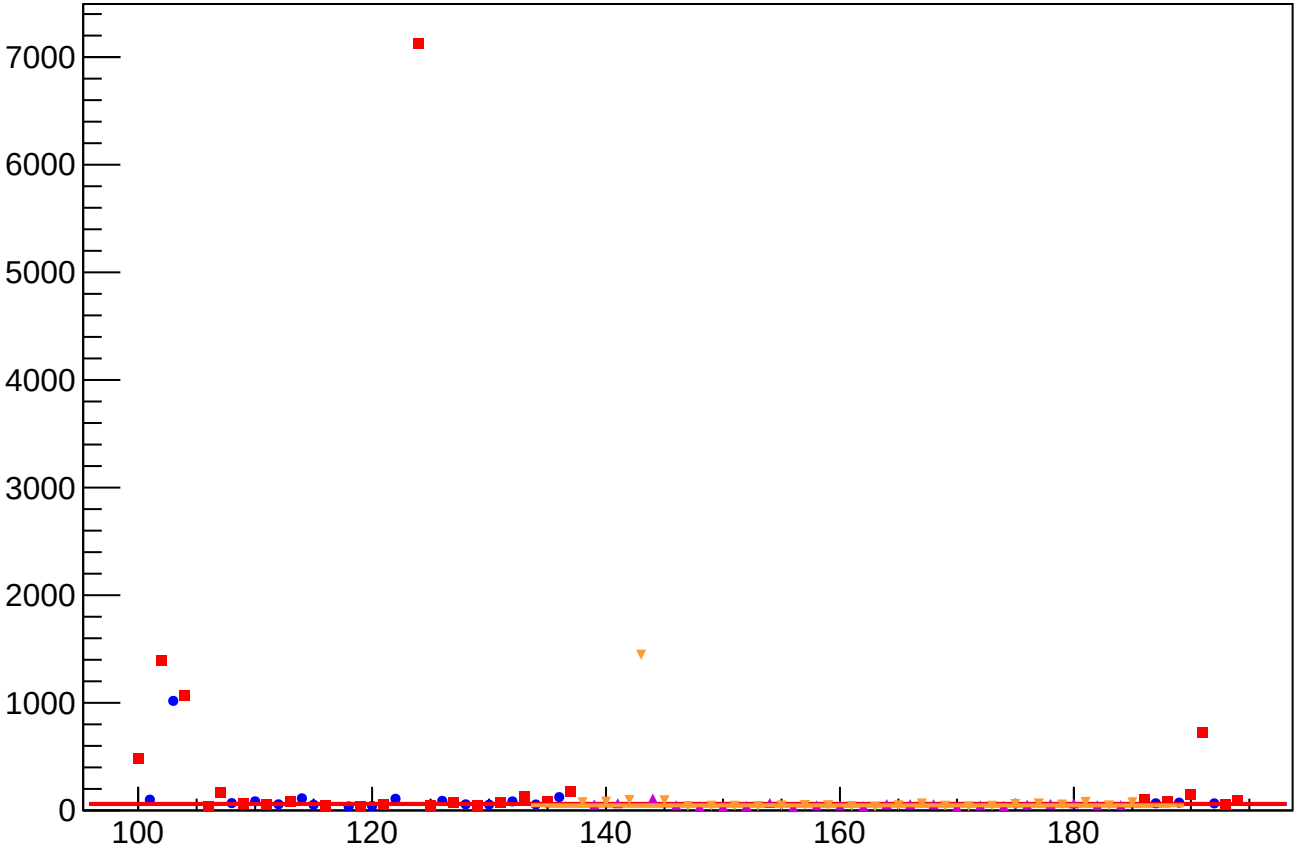
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.013+/-0.011 χ^2/NDF: 43.5/43

All: 0.015+/-0.008 χ^2/NDF: 87.8/91

- sign 0.017+/-0.011 χ^2/NDF: 44.2/47

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

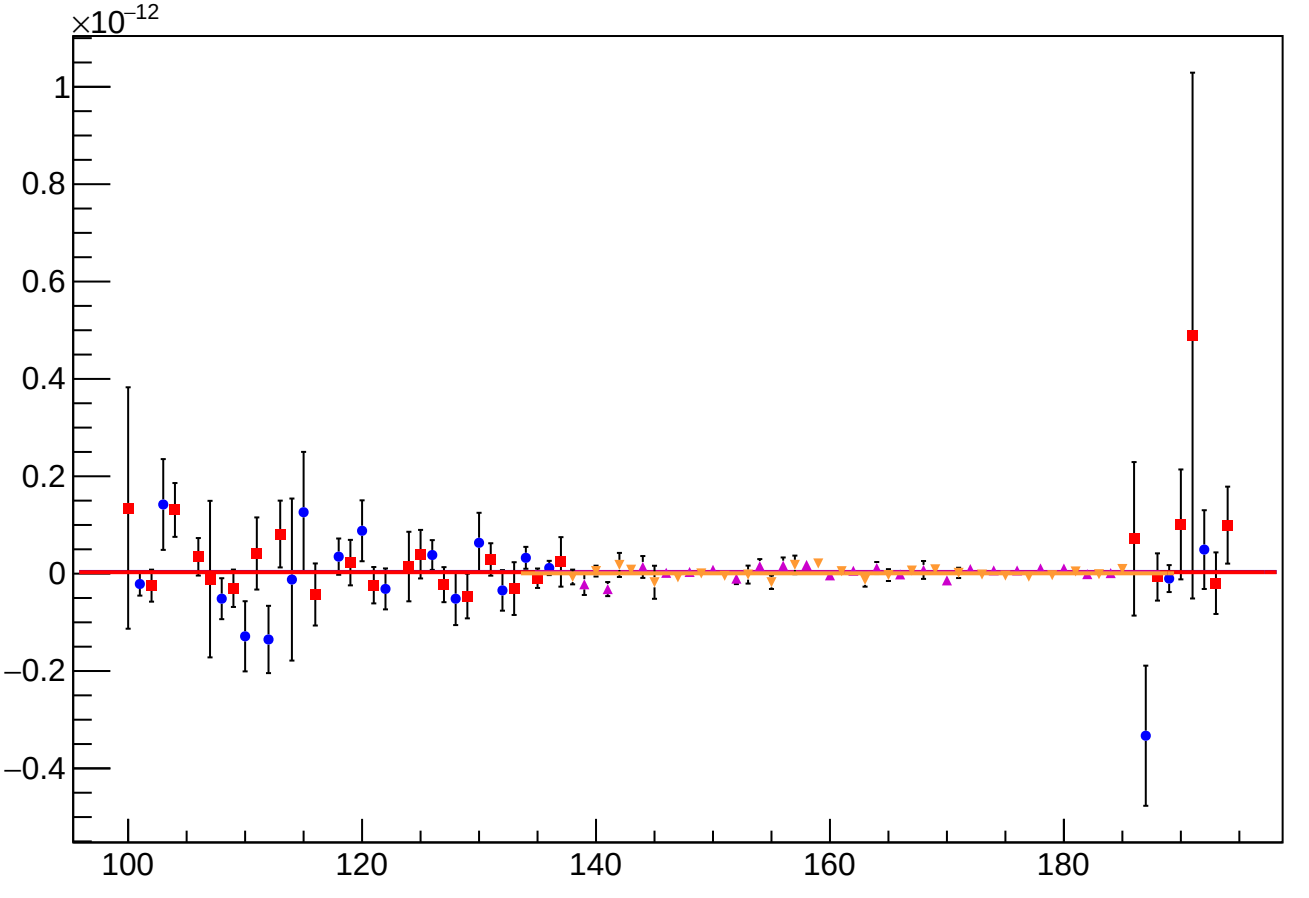
Right Out: 59.622+/-0.016 χ^2/NDF: 4516378.2/24

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.623+/-0.008 χ^2/NDF: 6526364.0/43

All: 50.150+/-0.005 χ^2/NDF: 13497904.0/91

- sign 49.702+/-0.008 χ^2/NDF: 6964446.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

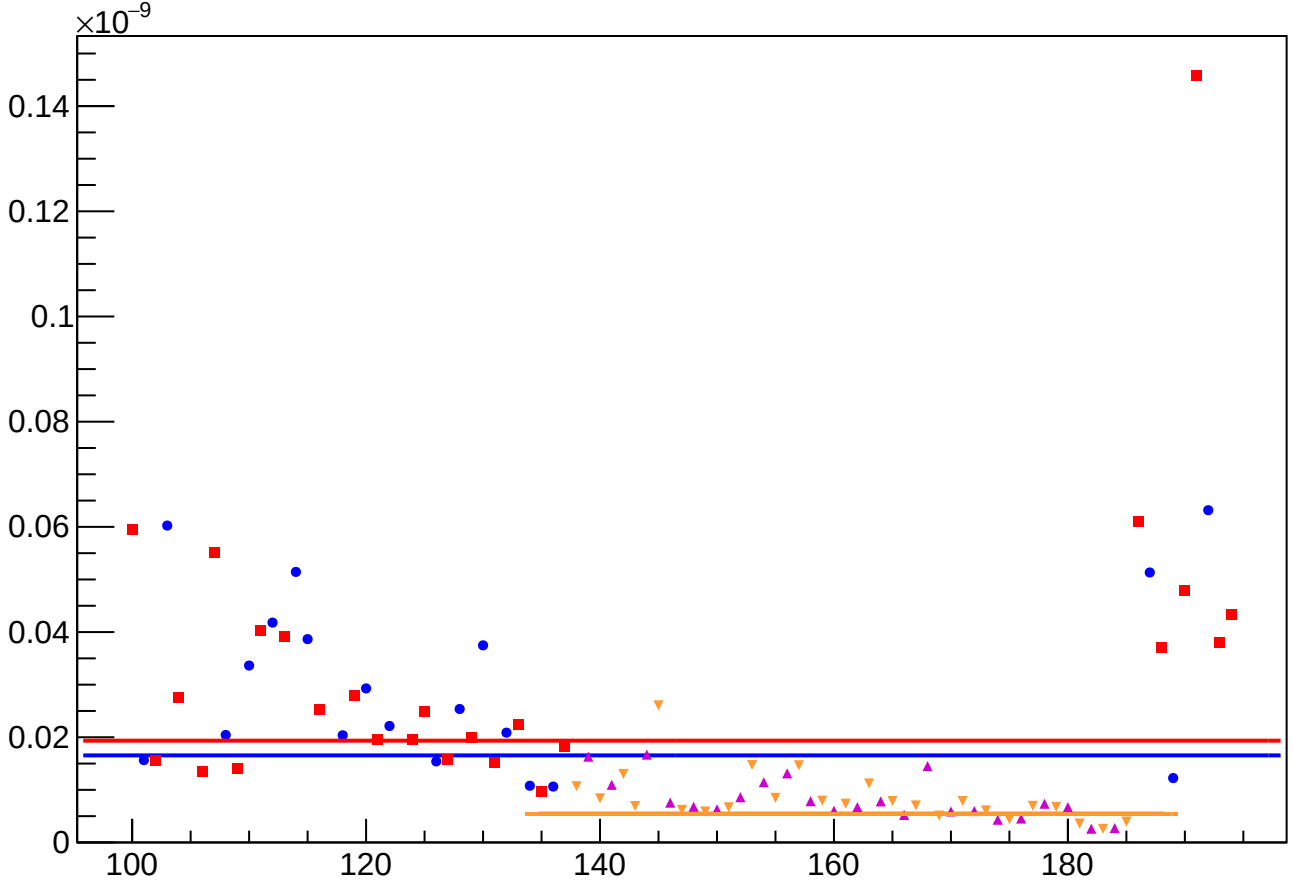
Right Out: 0.000+/-0.000 χ^2/NDF: 17.7/24

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.9/43

All: 0.000+/-0.000 χ^2/NDF: 84.0/91

- sign 0.000+/-0.000 χ^2/NDF: 39.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 2725932.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2277579.4/24

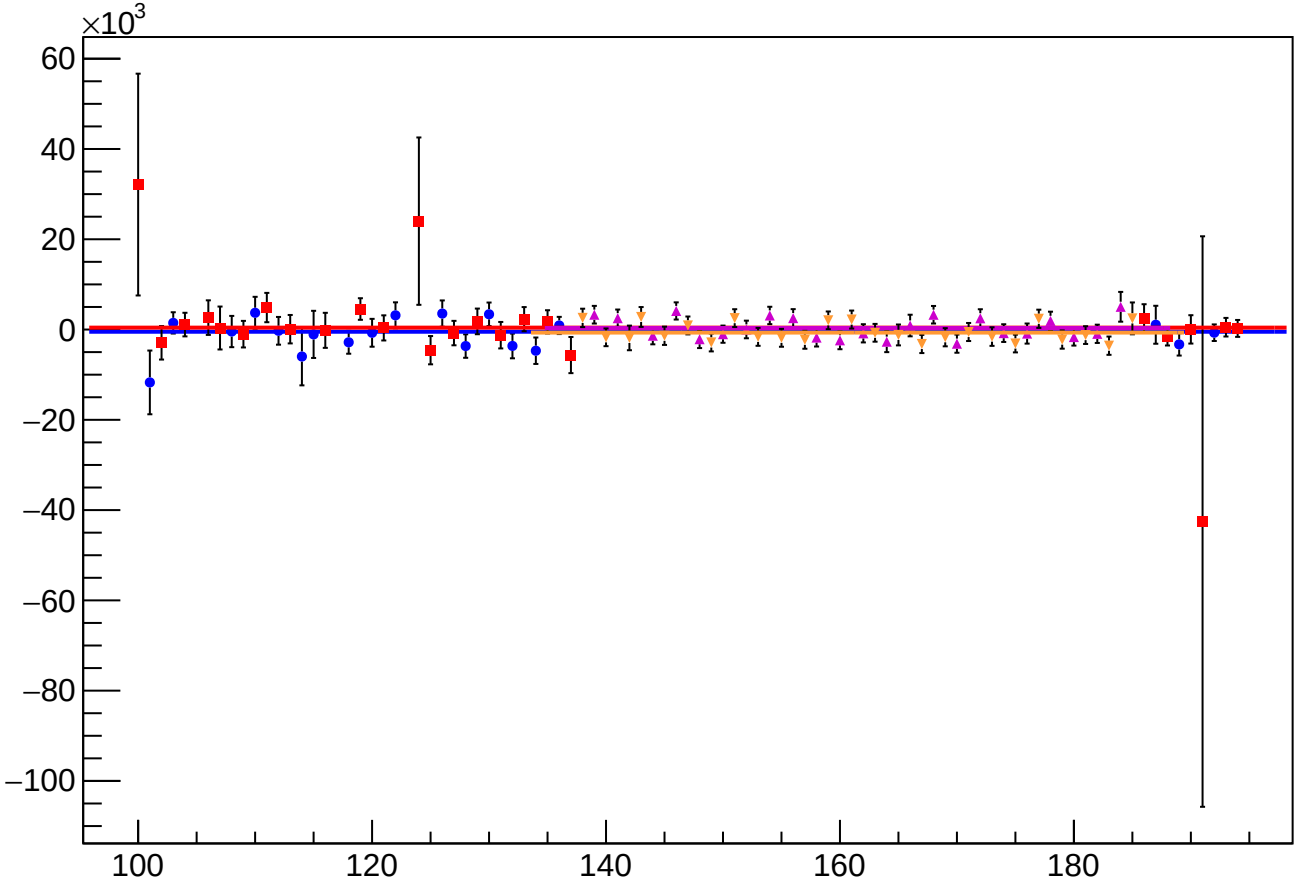
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11405593.1/43

All: 0.000+/-0.000 χ^2/NDF: 22844822.6/91

- sign 0.000+/-0.000 χ^2/NDF: 11437369.5/47

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: 422.107+/-593.556 χ^2/NDF: 18.0/24

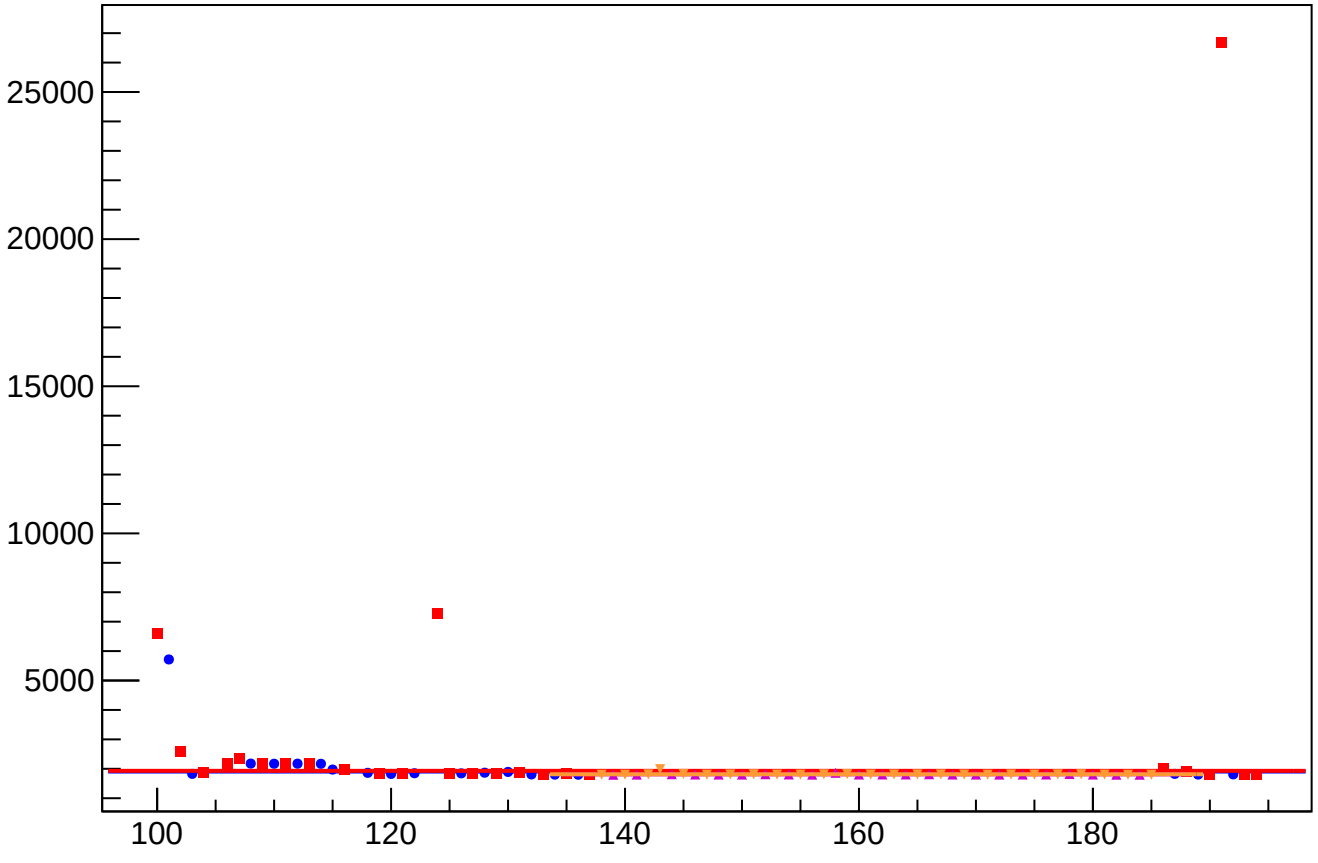
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -617.102+/-348.118 χ^2/NDF: 43.6/43

All: -118.346+/-244.803 χ^2/NDF: 95.7/91

- sign 369.584+/-344.319 χ^2/NDF: 48.1/47

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: 1930.447+/-0.420 χ^2/NDF: 714648.2/24

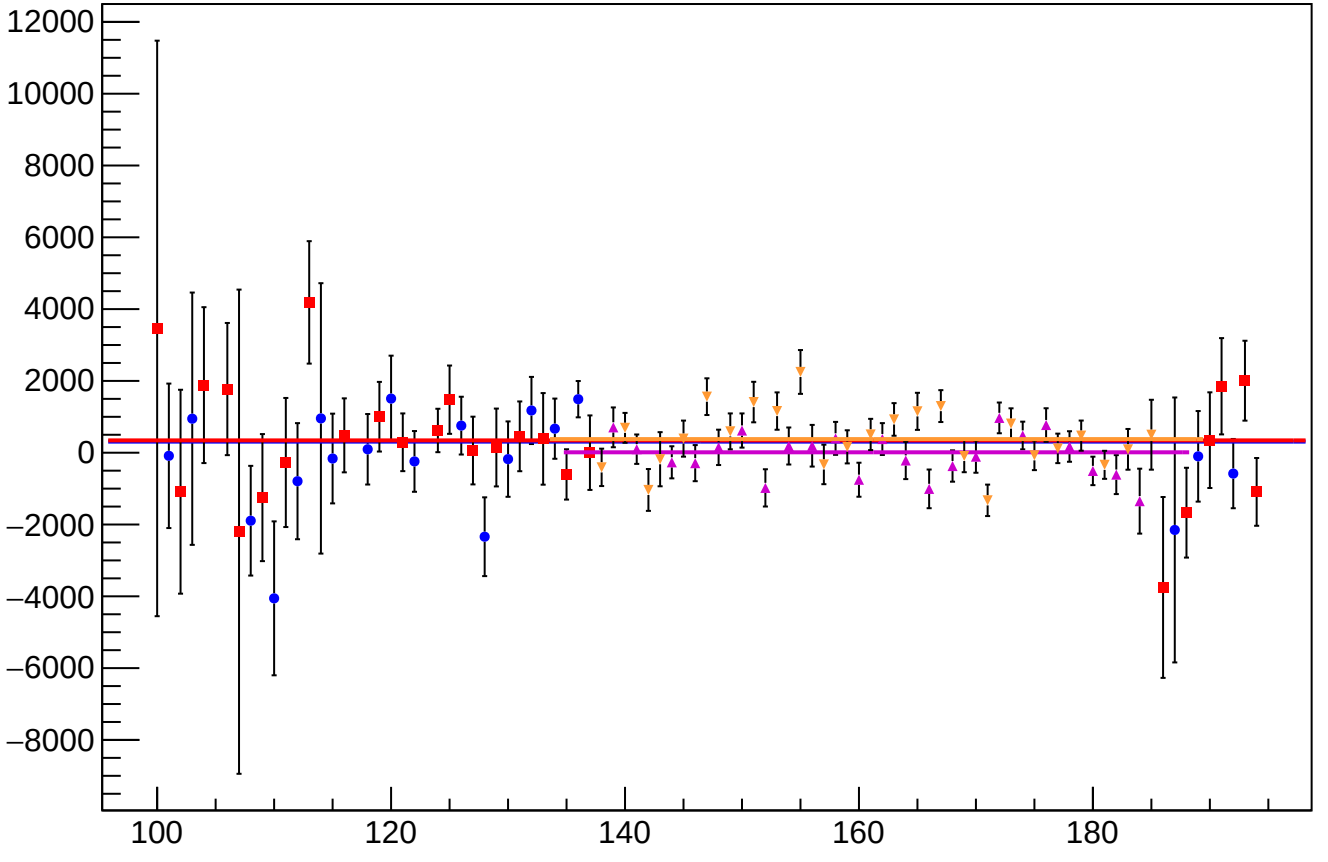
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1841.048+/-0.246 χ^2/NDF: 694493.8/43

All: 1845.996+/-0.173 χ^2/NDF: 1466137.3/91

- sign 1850.835+/-0.243 χ^2/NDF: 770844.4/47

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: 343.294+/-226.507 χ^2/NDF: 22.9/24

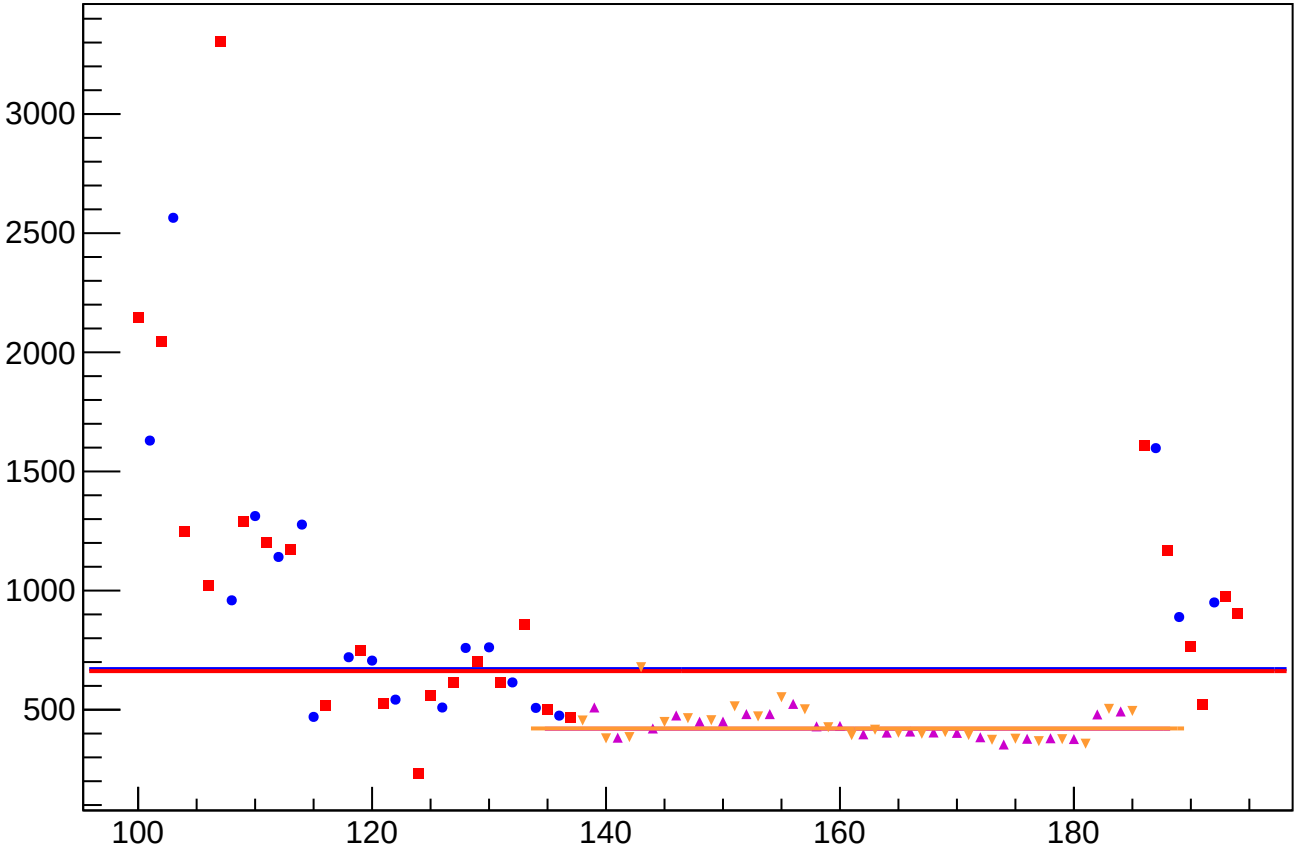
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 369.823+/-90.172 χ^2/NDF: 85.1/43

All: 218.153+/-63.946 χ^2/NDF: 146.5/91

- sign 64.719+/-90.695 χ^2/NDF: 55.8/47

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: 662.050+/-0.160 χ^2/NDF: 3998129.8/24

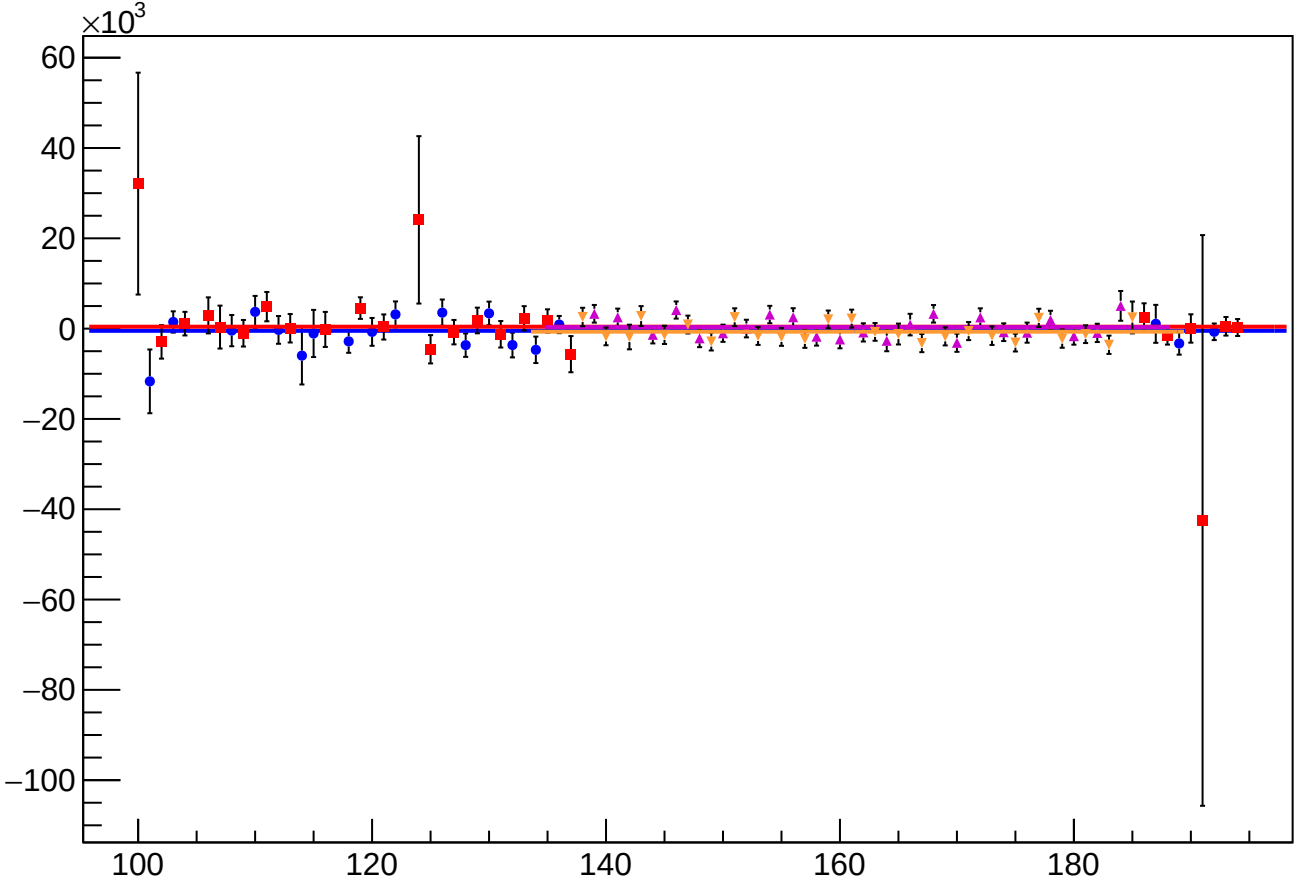
Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 455.309+/-0.064 χ^2/NDF: 4992795.6/43

All: 457.141+/-0.045 χ^2/NDF: 11319912.5/91

- sign 458.994+/-0.064 χ^2/NDF: 6325457.0/47

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: 424.773+/-594.119 χ^2/NDF: 18.1/24

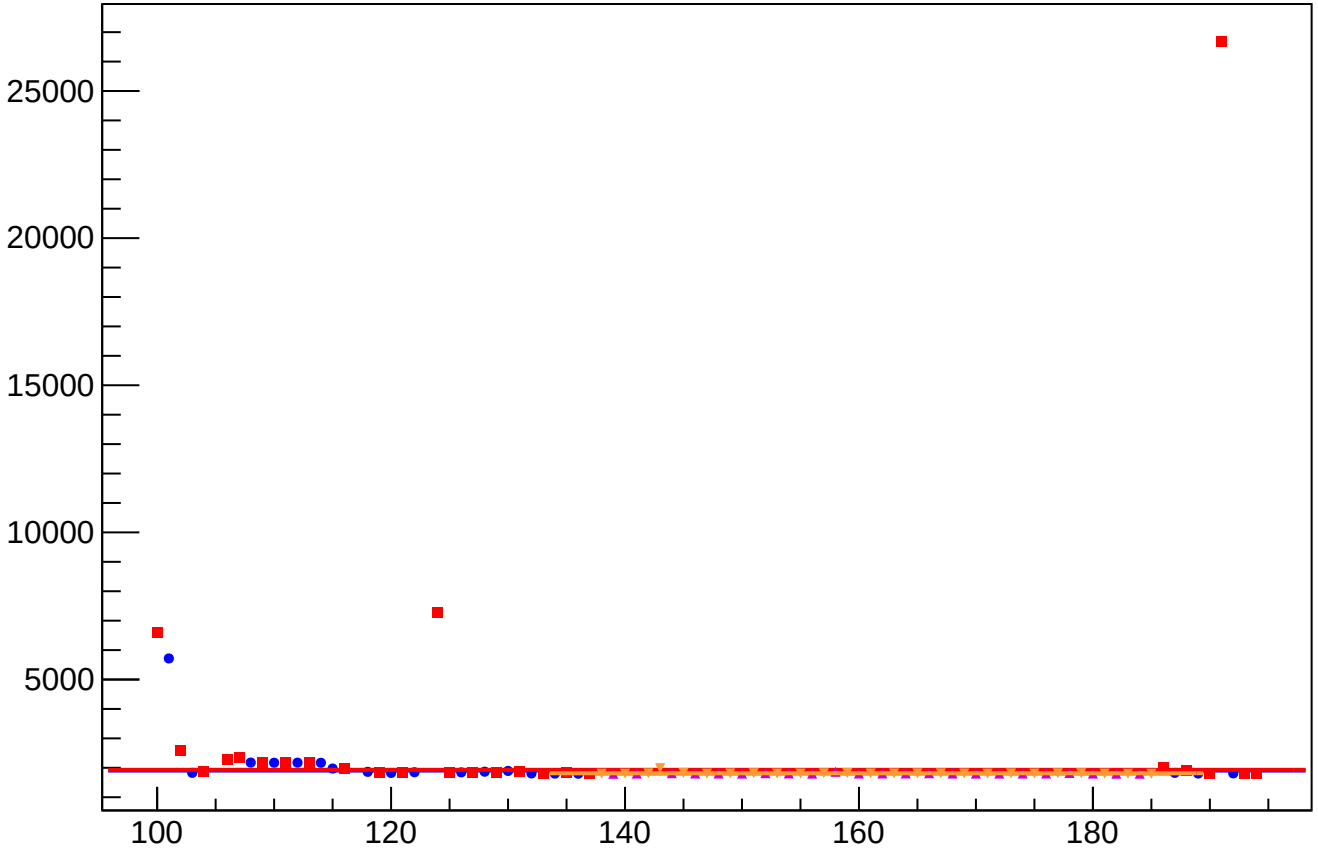
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -616.911+/-348.118 χ^2/NDF: 43.6/43

All: -117.958+/-244.842 χ^2/NDF: 95.8/91

- sign 370.476+/-344.429 χ^2/NDF: 48.1/47

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: 1931.774+/-0.420 χ^2/NDF: 720052.2/24

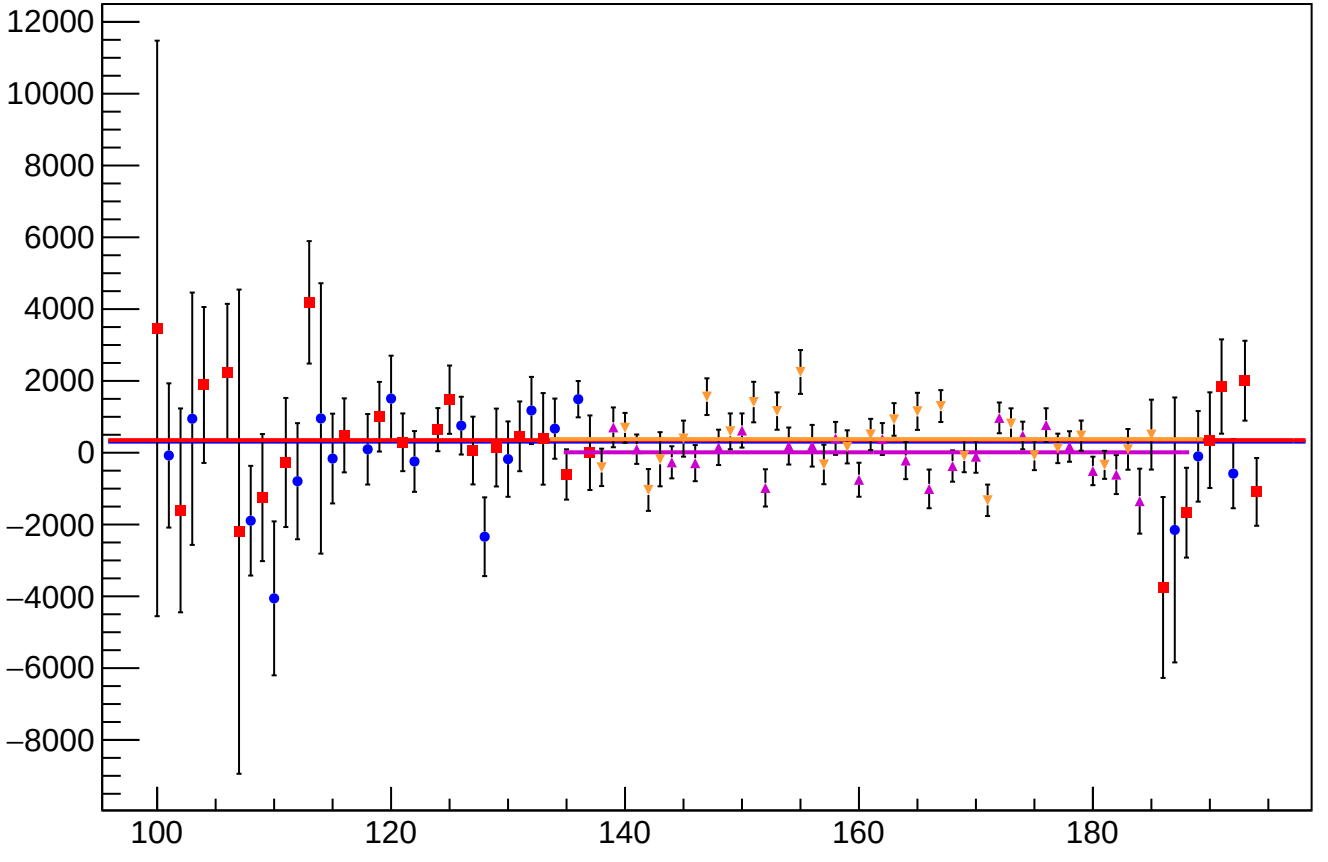
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1841.048+/-0.246 χ^2/NDF: 694493.7/43

All: 1846.194+/-0.173 χ^2/NDF: 1472743.2/91

- sign 1851.231+/-0.244 χ^2/NDF: 777384.8/47

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: 350.289+/-226.263 χ^2/NDF: 23.6/24

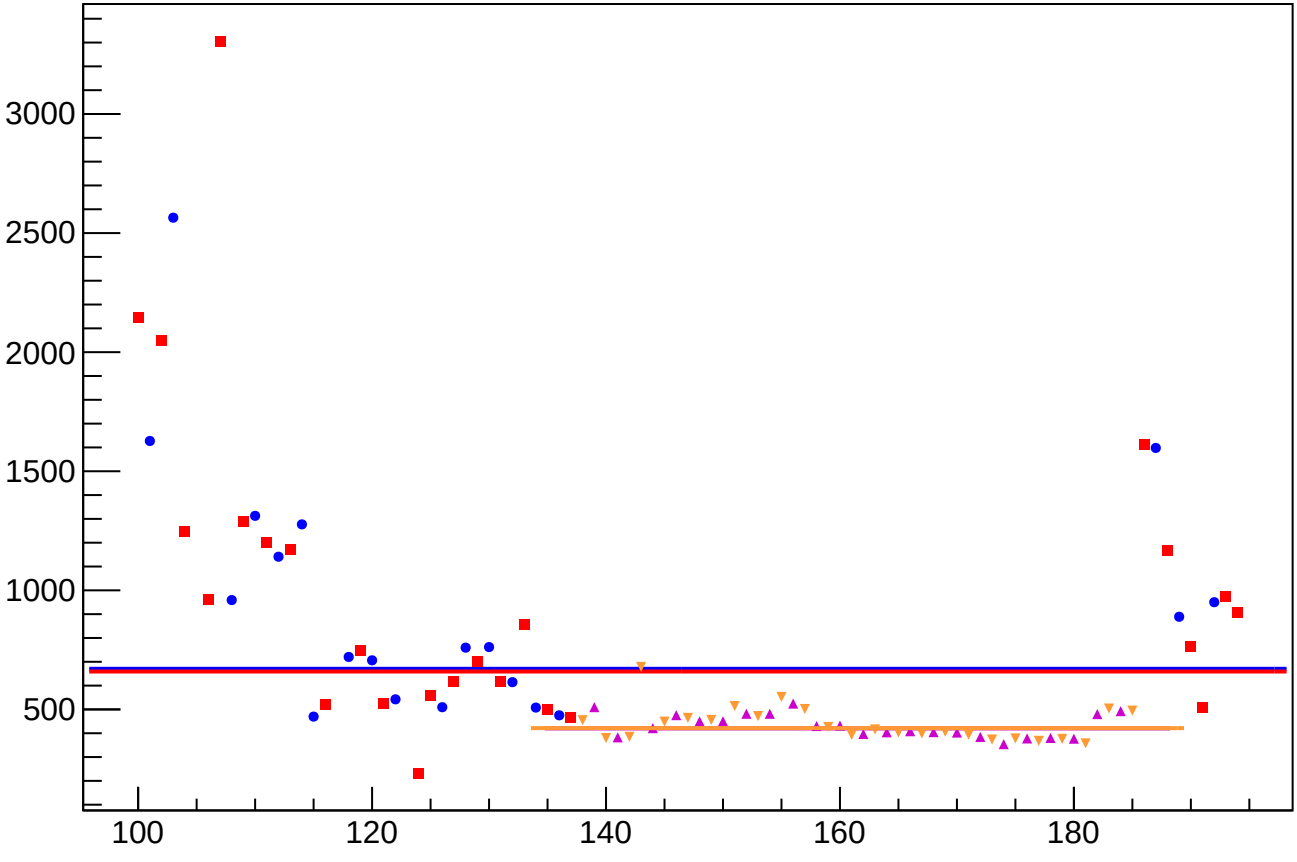
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 369.821+/-90.172 χ^2/NDF: 85.1/43

All: 218.735+/-63.940 χ^2/NDF: 147.3/91

- sign 65.948+/-90.679 χ^2/NDF: 56.6/47

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: 659.163+/-0.160 χ^2/NDF: 4001351.8/24

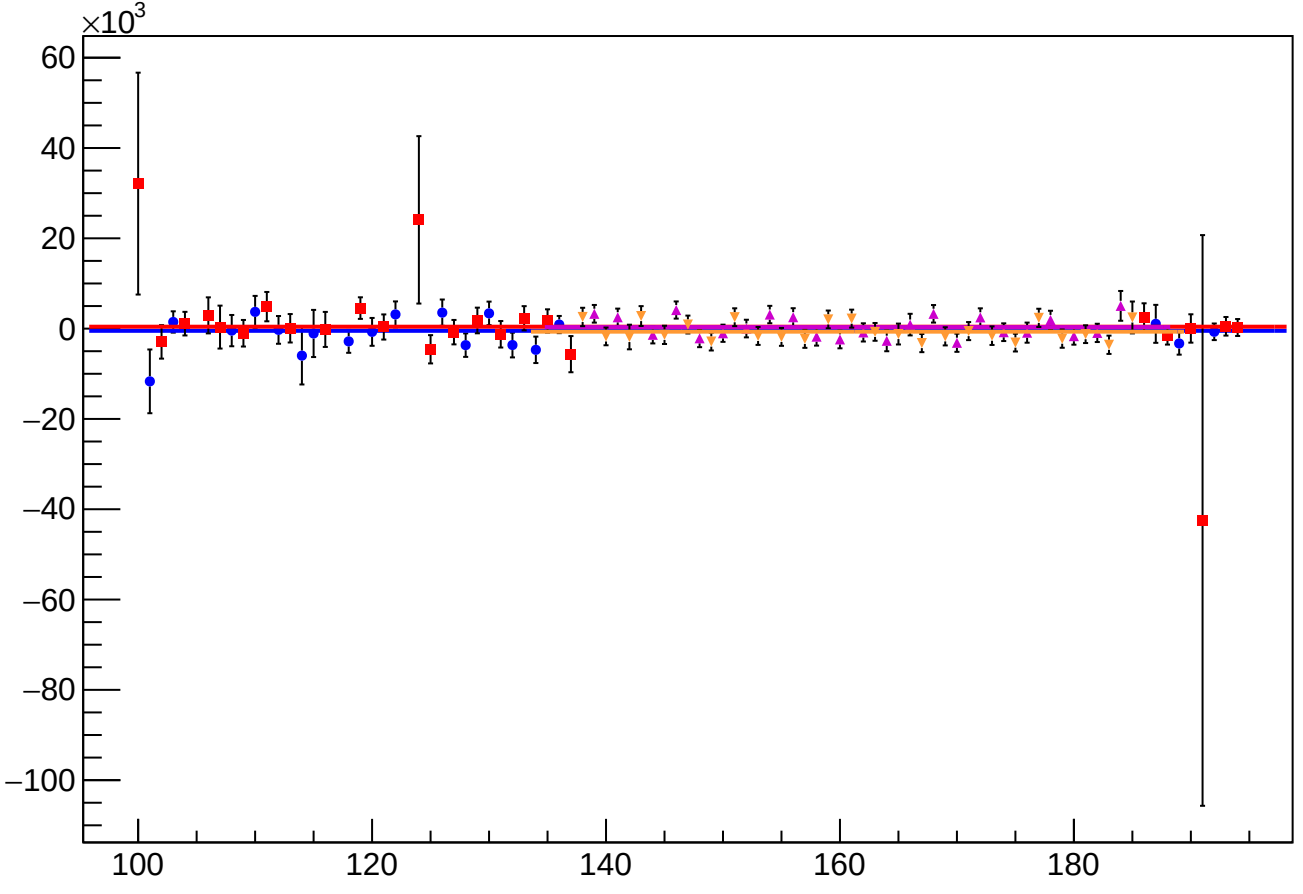
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 455.314+/-0.064 χ^2/NDF: 4991894.0/43

All: 456.946+/-0.045 χ^2/NDF: 11279975.0/91

- sign 458.597+/-0.064 χ^2/NDF: 6286763.2/47

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: 424.773+/-594.119 χ^2/NDF: 18.1/24

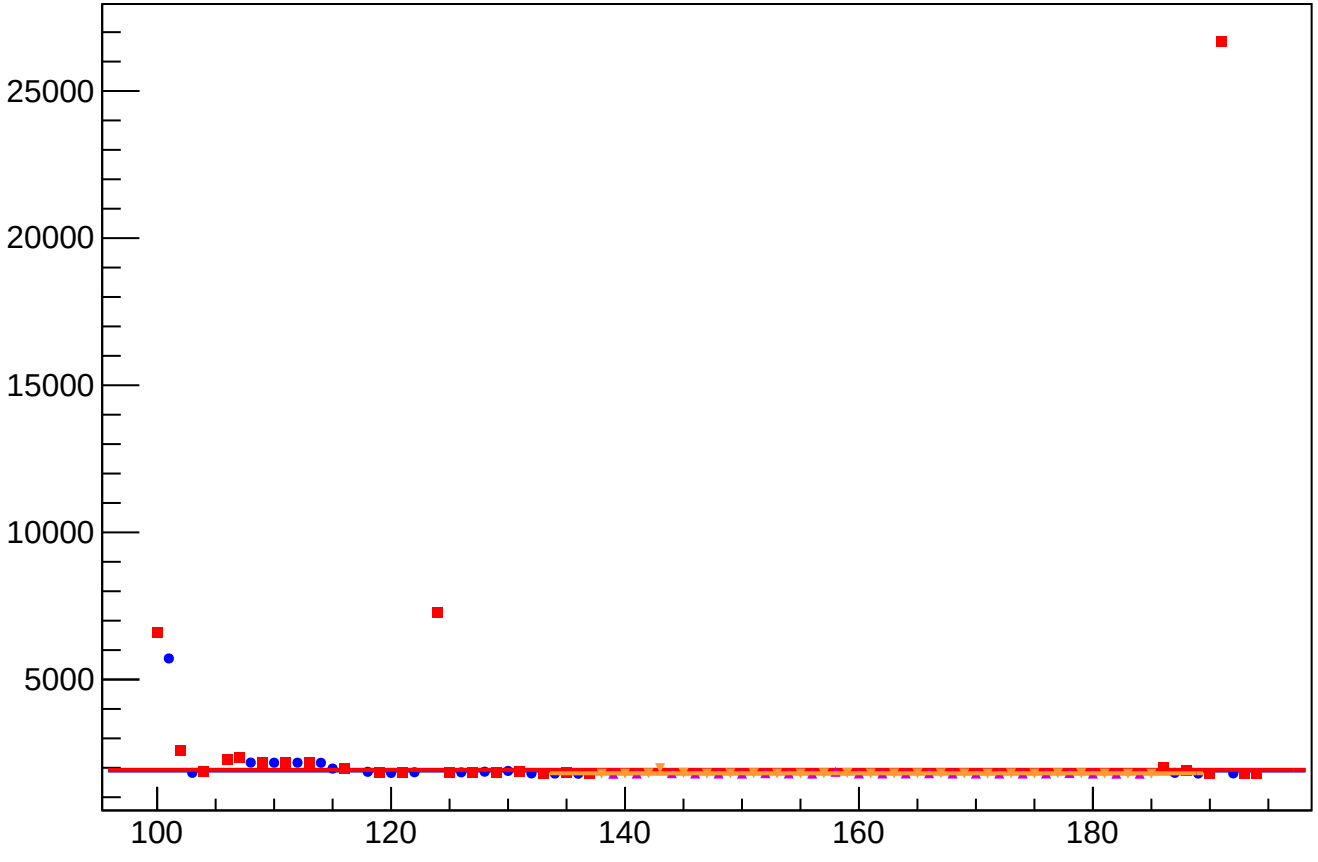
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -616.911+/-348.118 χ^2/NDF: 43.6/43

All: -117.958+/-244.842 χ^2/NDF: 95.8/91

- sign 370.476+/-344.429 χ^2/NDF: 48.1/47

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: 1931.774+/-0.420 χ^2/NDF: 720052.2/24

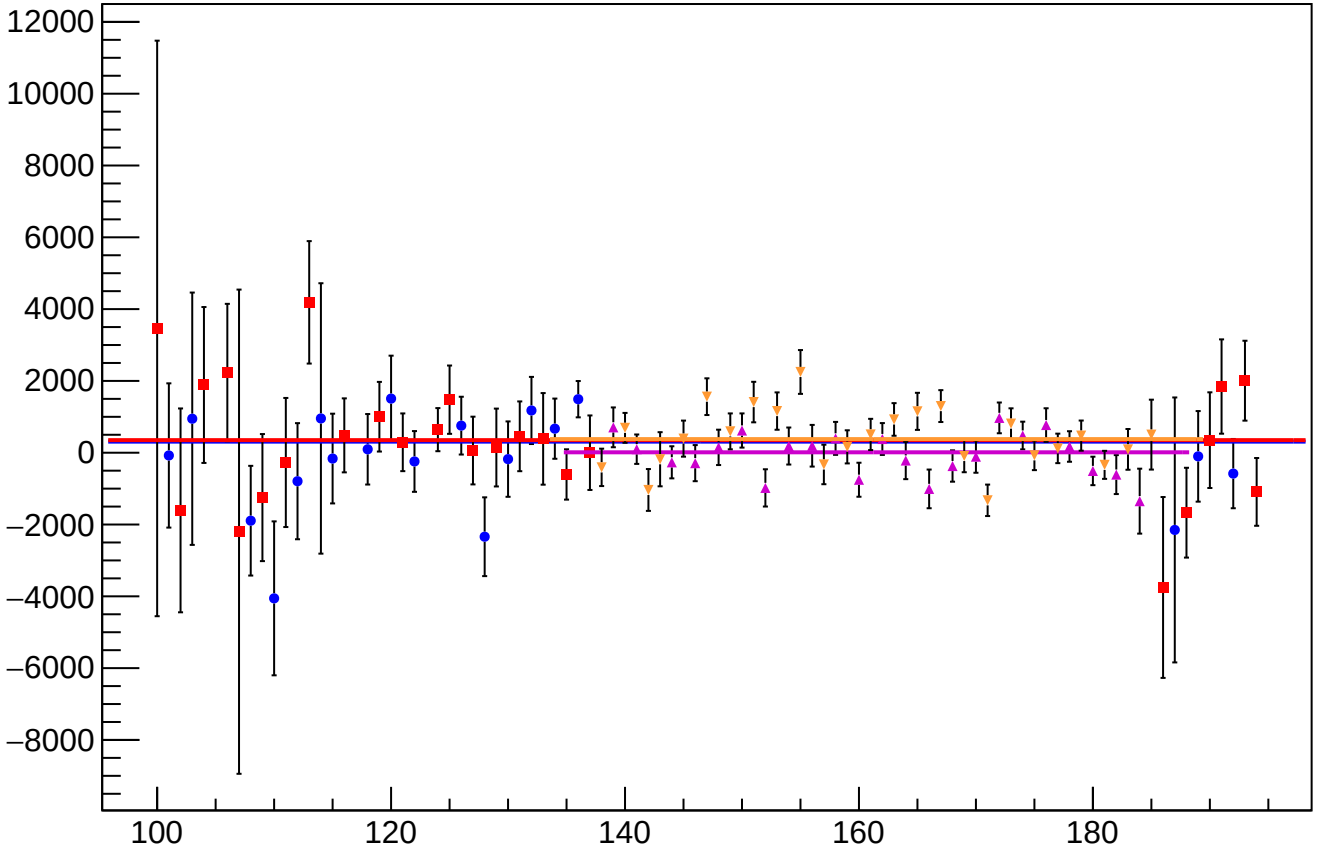
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1841.048+/-0.246 χ^2/NDF: 694493.7/43

All: 1846.194+/-0.173 χ^2/NDF: 1472743.2/91

- sign 1851.231+/-0.244 χ^2/NDF: 777384.8/47

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: 350.289+/-226.263 χ^2/NDF: 23.6/24

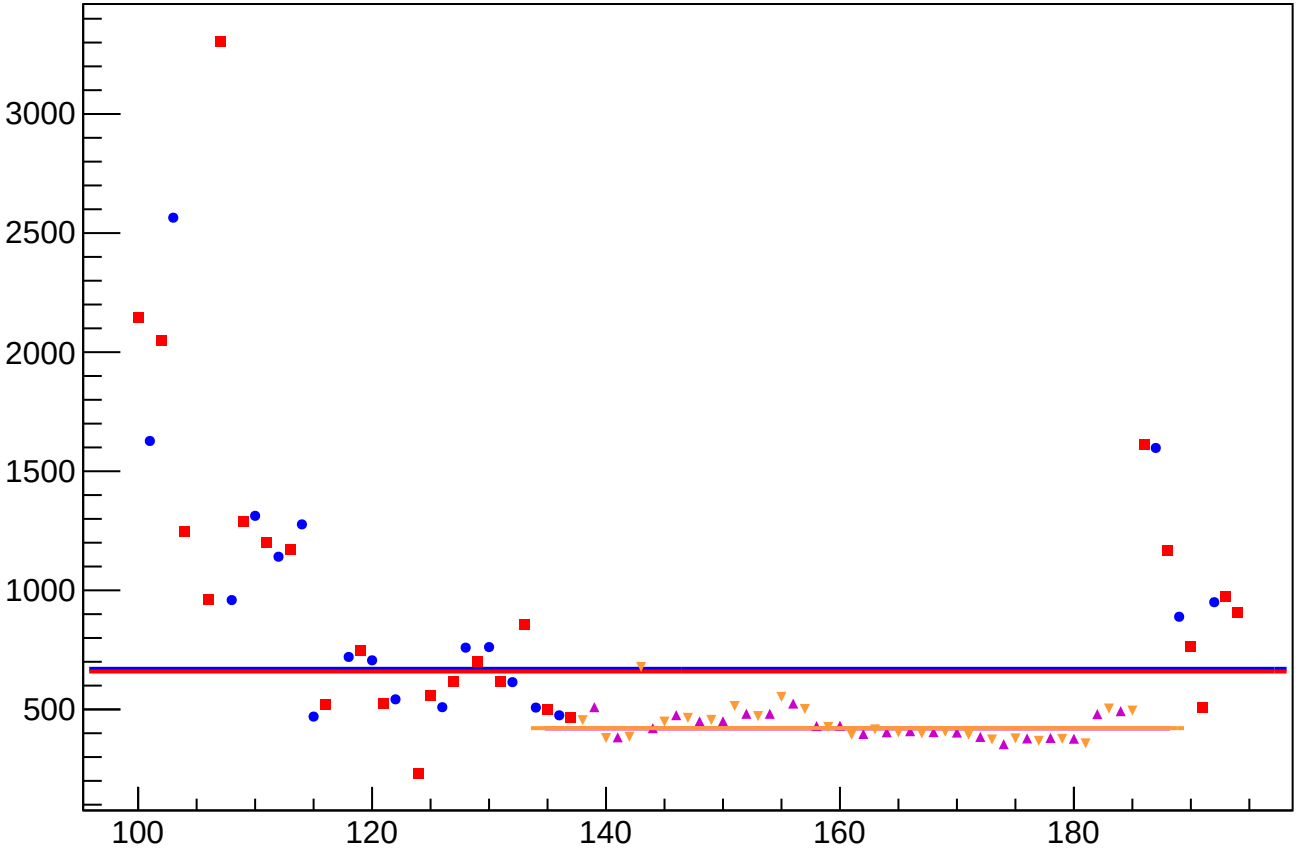
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 369.821+/-90.172 χ^2/NDF: 85.1/43

All: 218.735+/-63.940 χ^2/NDF: 147.3/91

- sign 65.948+/-90.679 χ^2/NDF: 56.6/47

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: 659.163+/-0.160 χ^2/NDF: 4001351.8/24

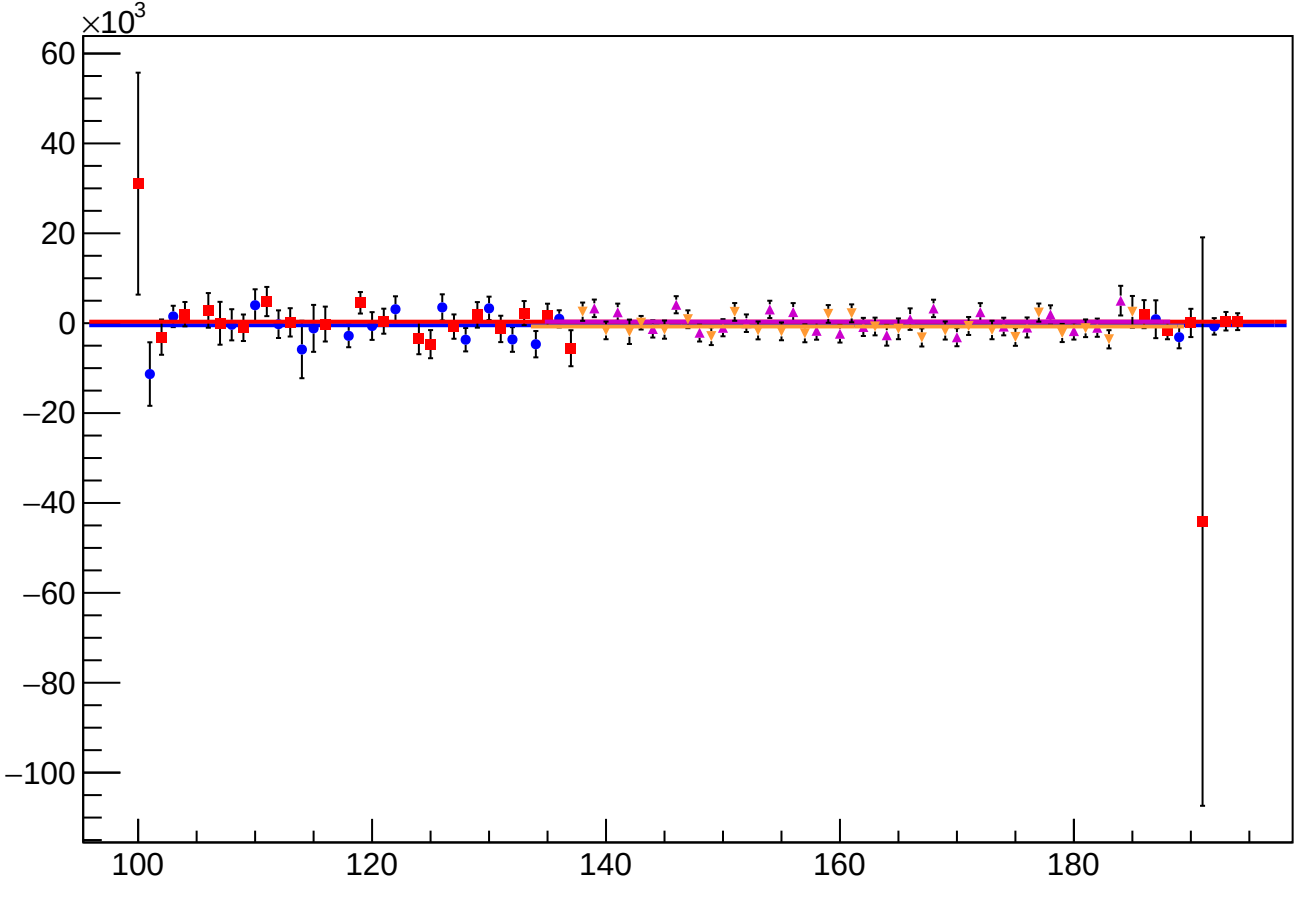
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 455.314+/-0.064 χ^2/NDF: 4991894.0/43

All: 456.946+/-0.045 χ^2/NDF: 11279975.0/91

- sign 458.597+/-0.064 χ^2/NDF: 6286763.2/47

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: 332.841+/-588.196 χ^2/NDF: 17.5/24

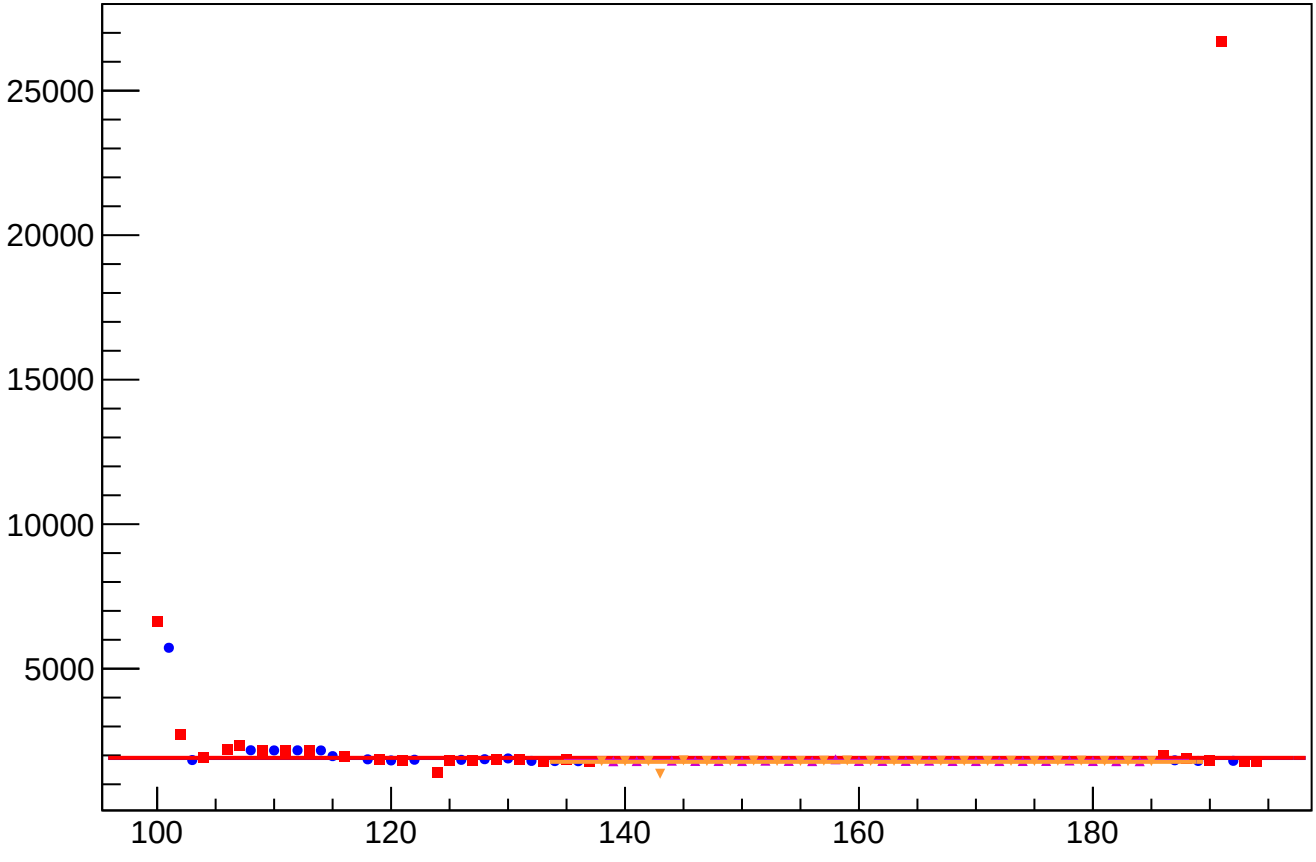
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -649.037+/-343.493 χ^2/NDF: 40.8/43

All: -155.118+/-242.833 χ^2/NDF: 92.0/91

- sign 338.367+/-343.342 χ^2/NDF: 47.1/47

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: 1915.577+/-0.416 χ^2/NDF: 606101.2/24

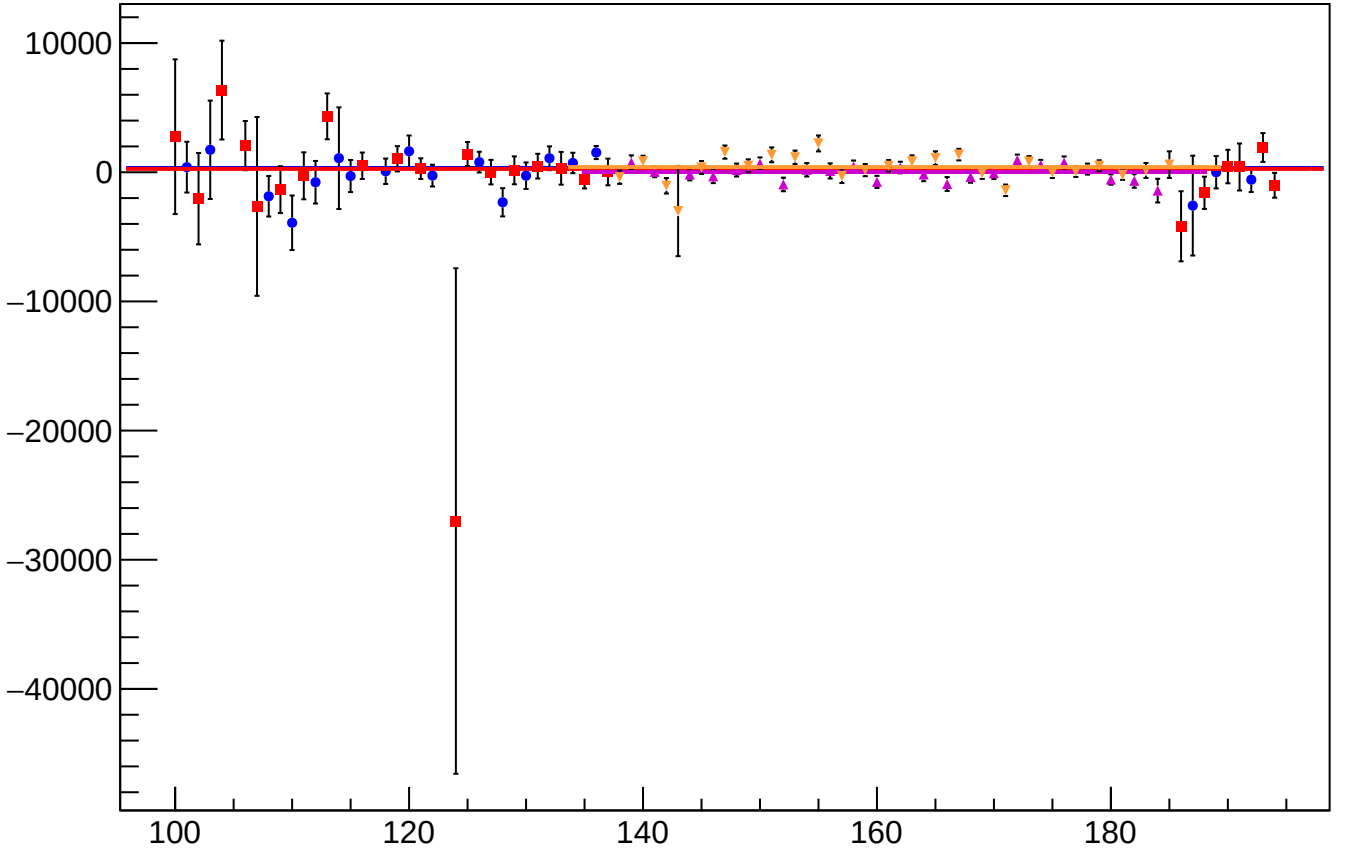
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.597+/-0.243 χ^2/NDF: 873085.5/43

All: 1830.150+/-0.172 χ^2/NDF: 1532049.0/91

- sign 1846.687+/-0.243 χ^2/NDF: 649679.1/47

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: 262.071+/-247.247 χ^2/NDF: 24.9/24

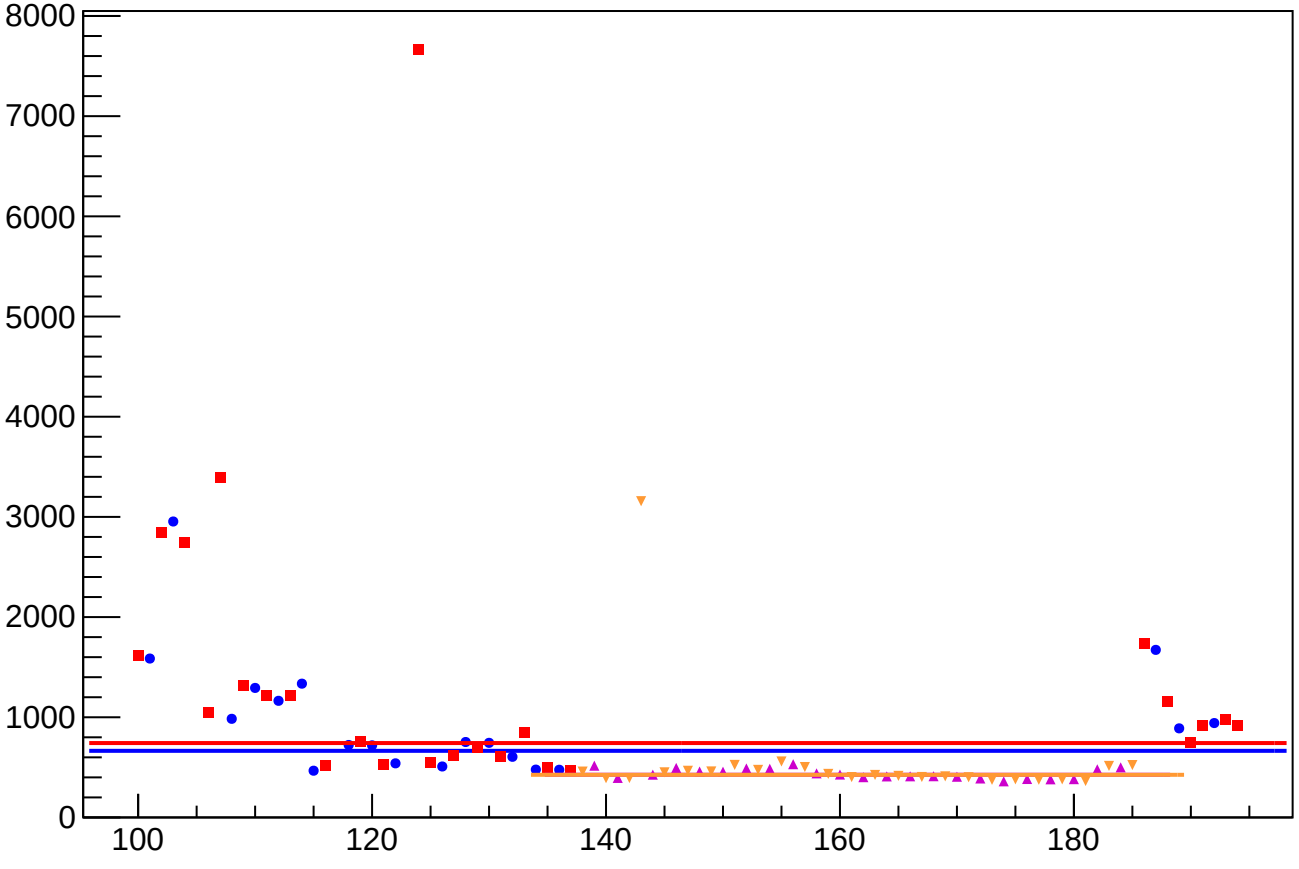
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 388.415+/-91.802 χ^2/NDF: 83.7/43

All: 223.930+/-65.304 χ^2/NDF: 146.8/91

- sign 55.434+/-92.915 χ^2/NDF: 56.6/47

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: 742.694+/-0.175 χ^2/NDF: 3850440.0/24

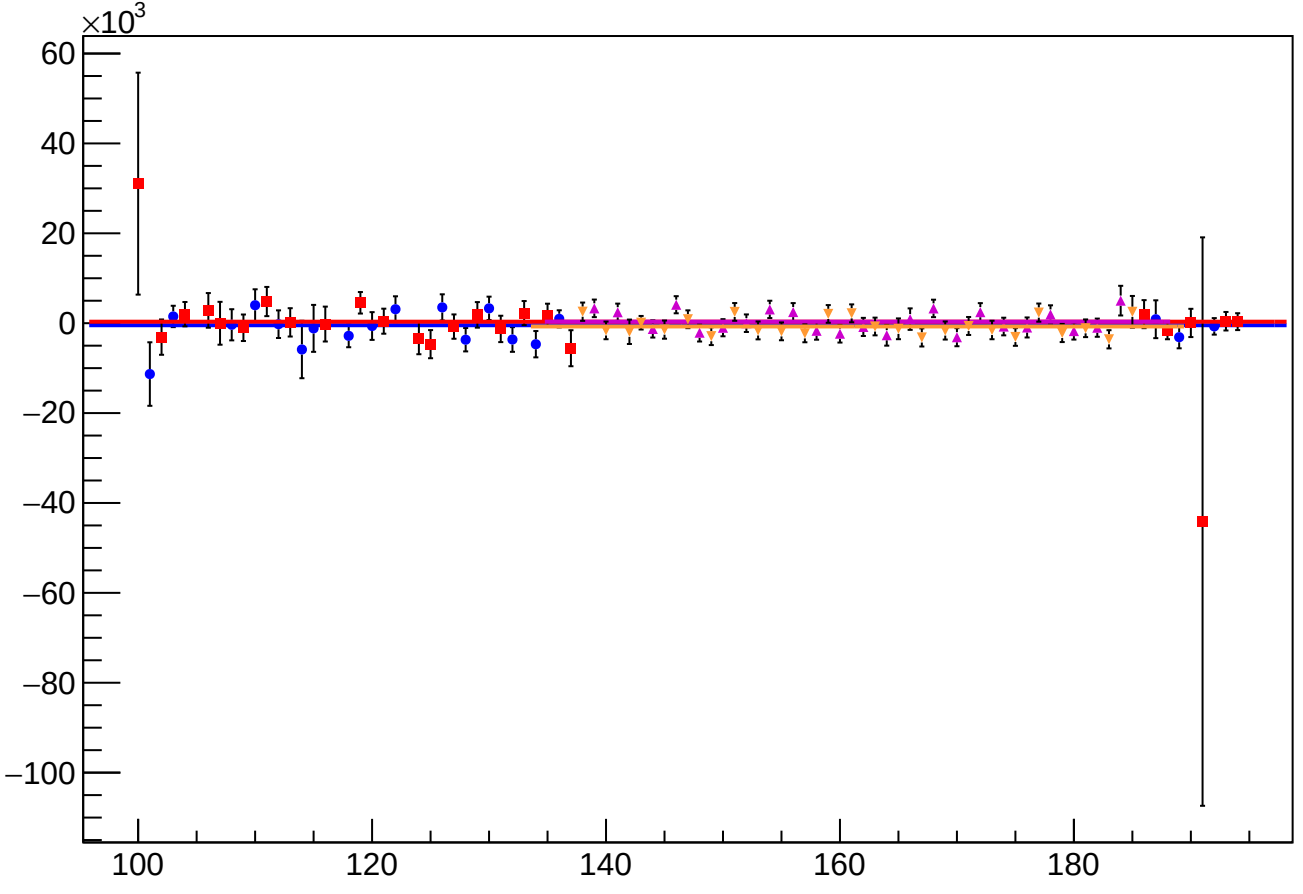
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 459.909+/-0.065 χ^2/NDF: 6020324.3/43

All: 465.313+/-0.046 χ^2/NDF: 13115552.8/91

- sign 470.849+/-0.066 χ^2/NDF: 7081198.3/47

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: 332.840+/-588.196 χ^2/NDF: 17.5/24

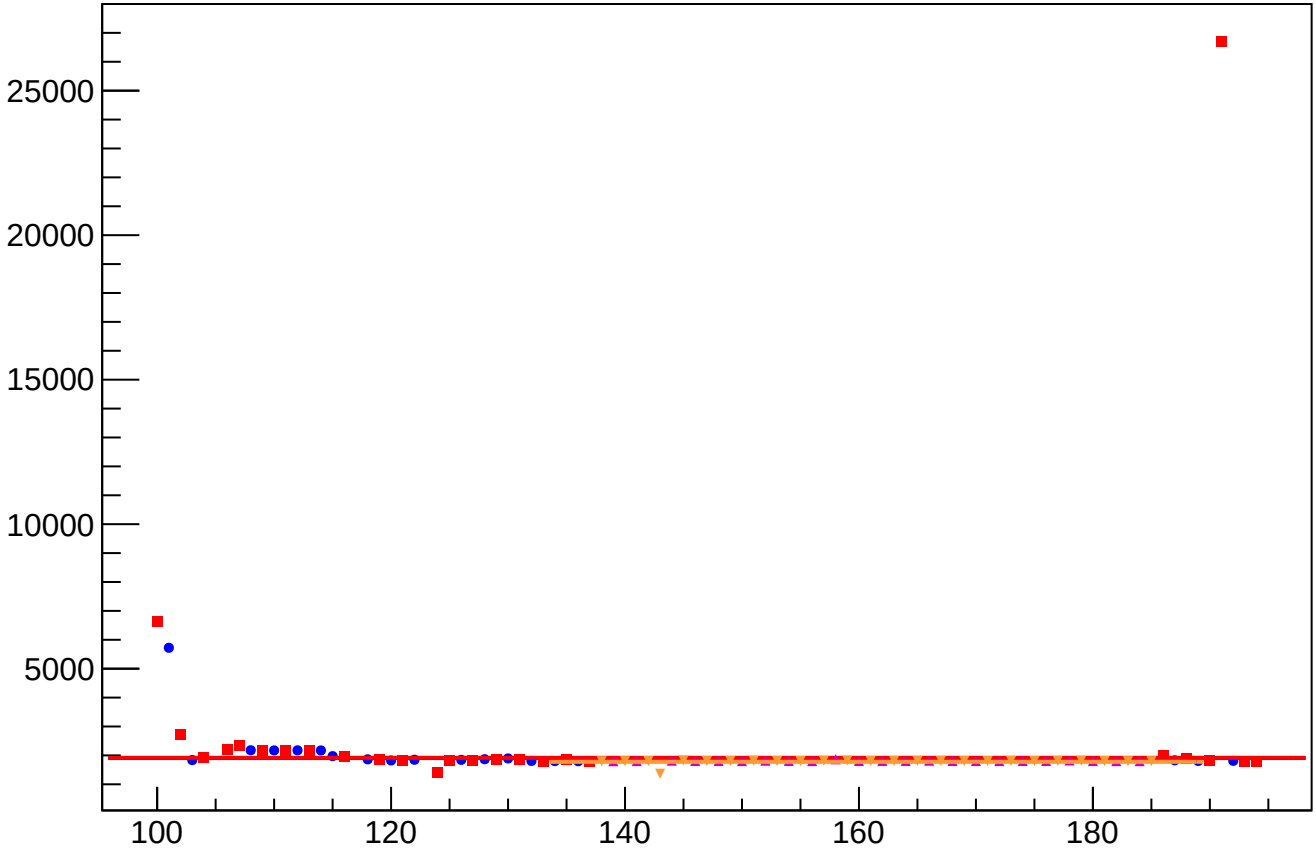
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -649.038+/-343.493 χ^2/NDF: 40.8/43

All: -155.119+/-242.833 χ^2/NDF: 92.0/91

- sign 338.367+/-343.342 χ^2/NDF: 47.1/47

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: 1915.577+/-0.416 χ^2/NDF: 606101.0/24

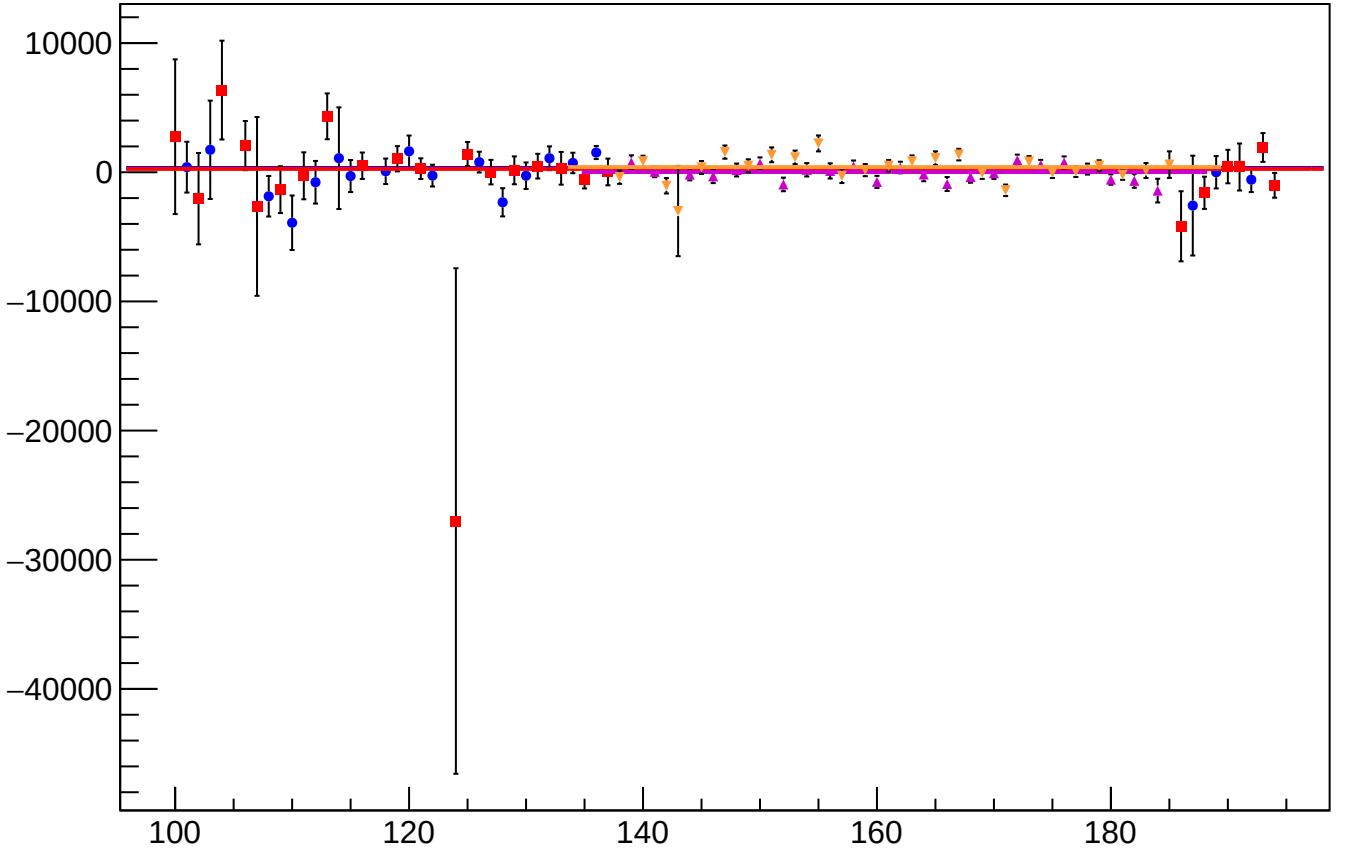
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.597+/-0.243 χ^2/NDF: 873085.5/43

All: 1830.150+/-0.172 χ^2/NDF: 1532048.7/91

- sign 1846.687+/-0.243 χ^2/NDF: 649678.9/47

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 329.350+/-242.779 χ^2/NDF: 23.1/18

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 262.071+/-247.247 χ^2/NDF: 24.9/24

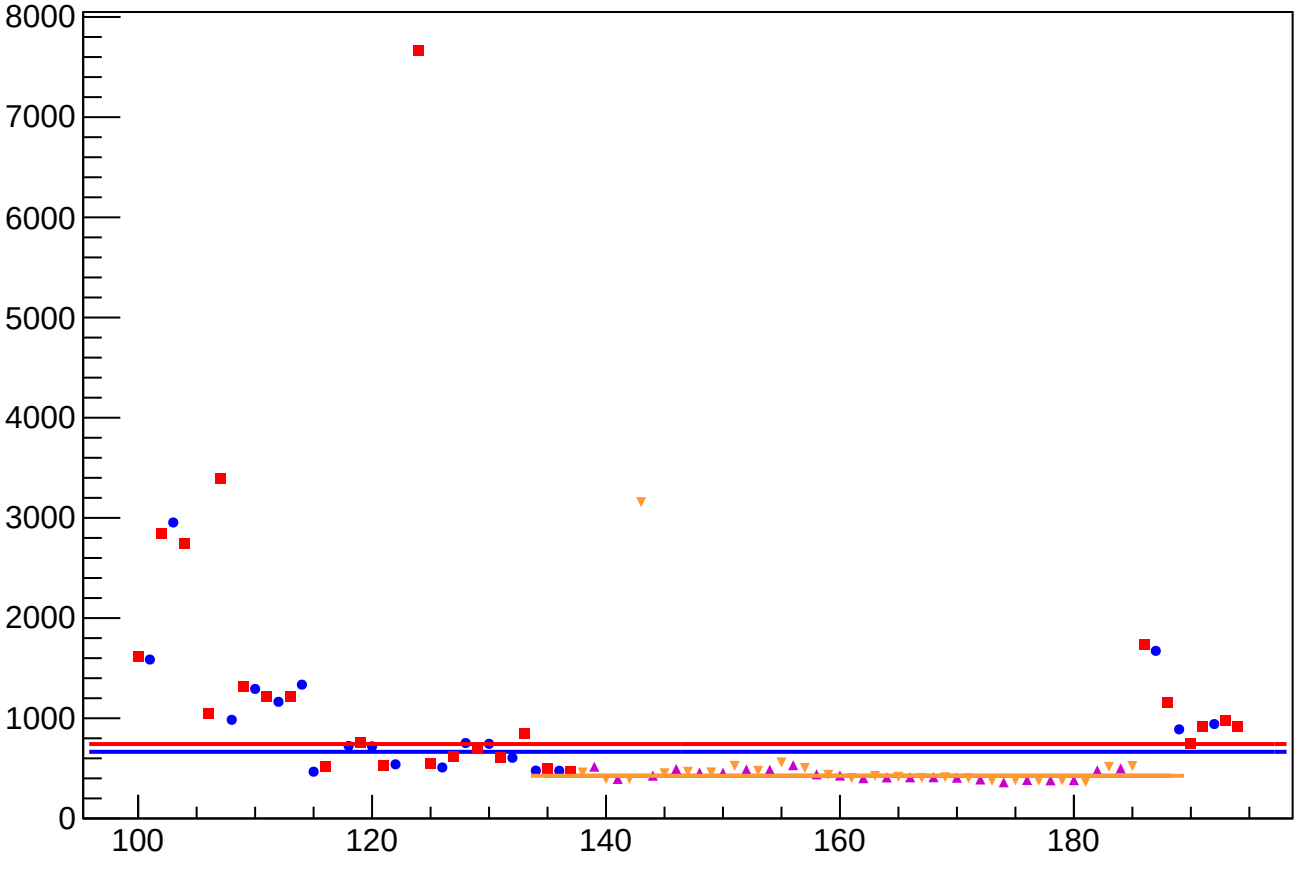
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 388.414+/-91.802 χ^2/NDF: 83.7/43

All: 223.930+/-65.304 χ^2/NDF: 146.8/91

- sign 55.433+/-92.915 χ^2/NDF: 56.6/47

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: 742.694+/-0.175 χ^2/NDF: 3850441.8/24

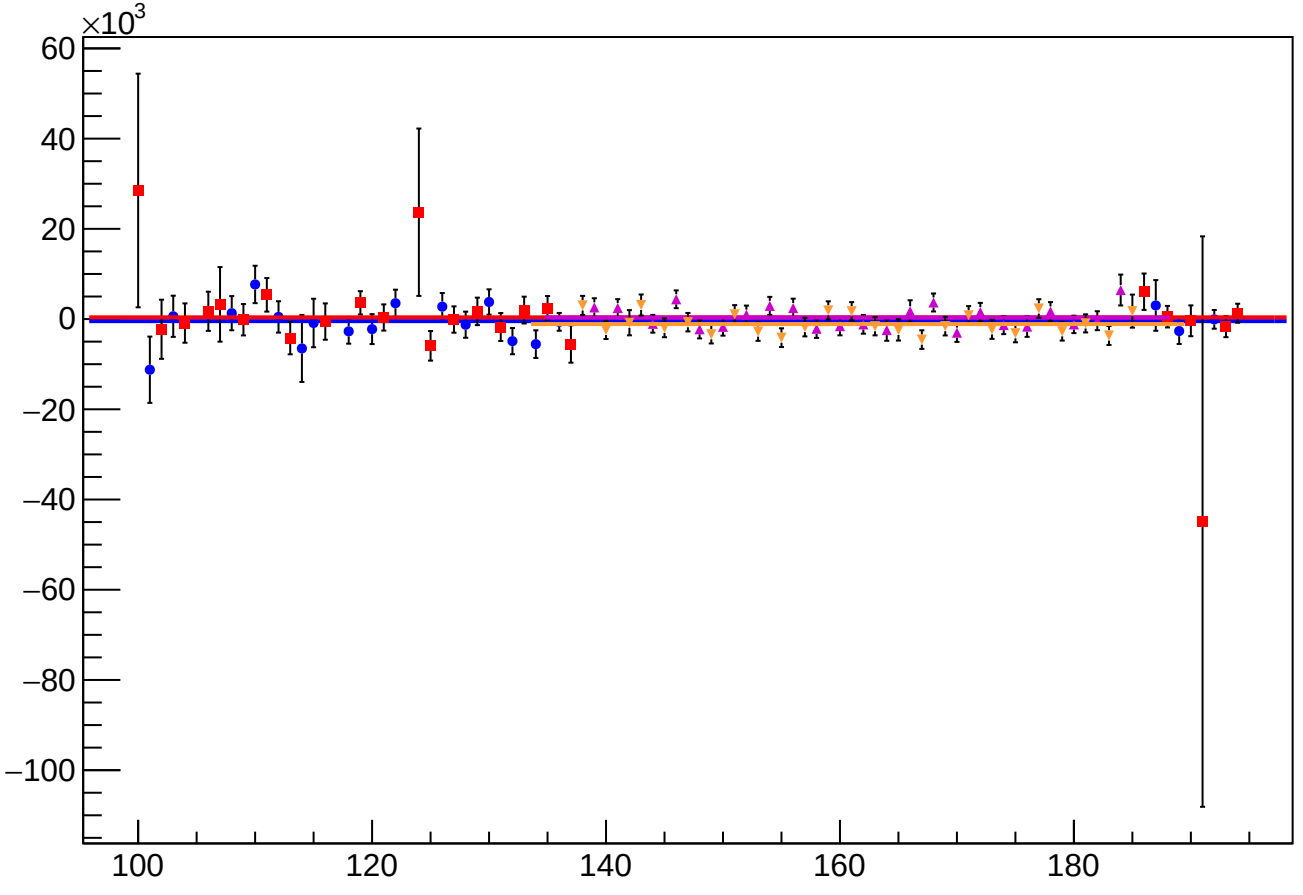
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 459.908+/-0.065 χ^2/NDF: 6020328.0/43

All: 465.313+/-0.046 χ^2/NDF: 13115562.6/91

- sign 470.849+/-0.066 χ^2/NDF: 7081204.2/47

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: 384.647+/-677.778 χ^2/NDF: 19.2/24

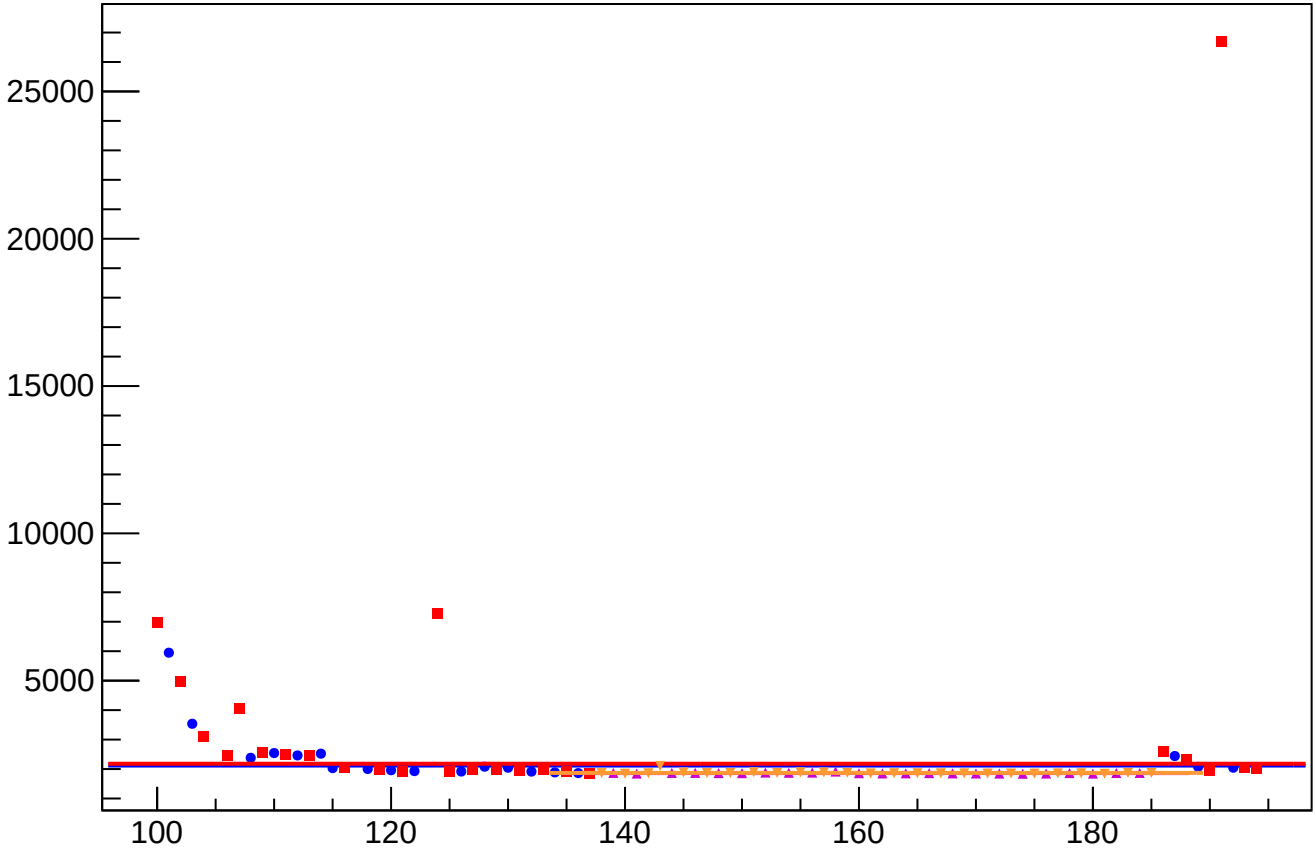
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -941.843+/-366.721 χ^2/NDF: 48.0/43

All: -290.774+/-259.076 χ^2/NDF: 102.2/91

- sign 357.936+/-366.056 χ^2/NDF: 47.9/47

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: 2179.899+/-0.479 χ^2/NDF: 1299916.5/24

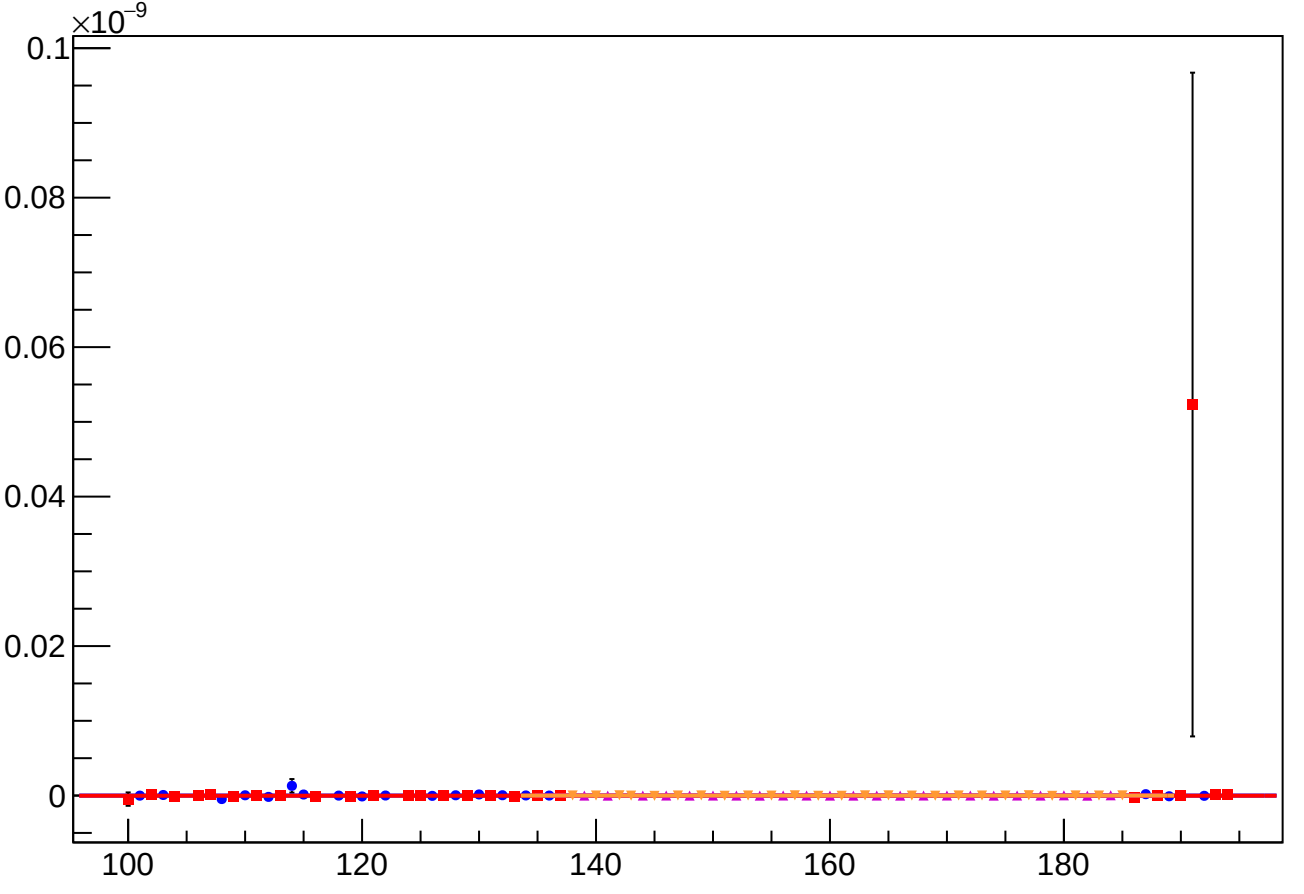
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1932.492+/-0.259 χ^2/NDF: 1084346.5/43

All: 1943.924+/-0.183 χ^2/NDF: 2700880.4/91

- sign 1955.315+/-0.259 χ^2/NDF: 1612653.6/47

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: 18.7/24

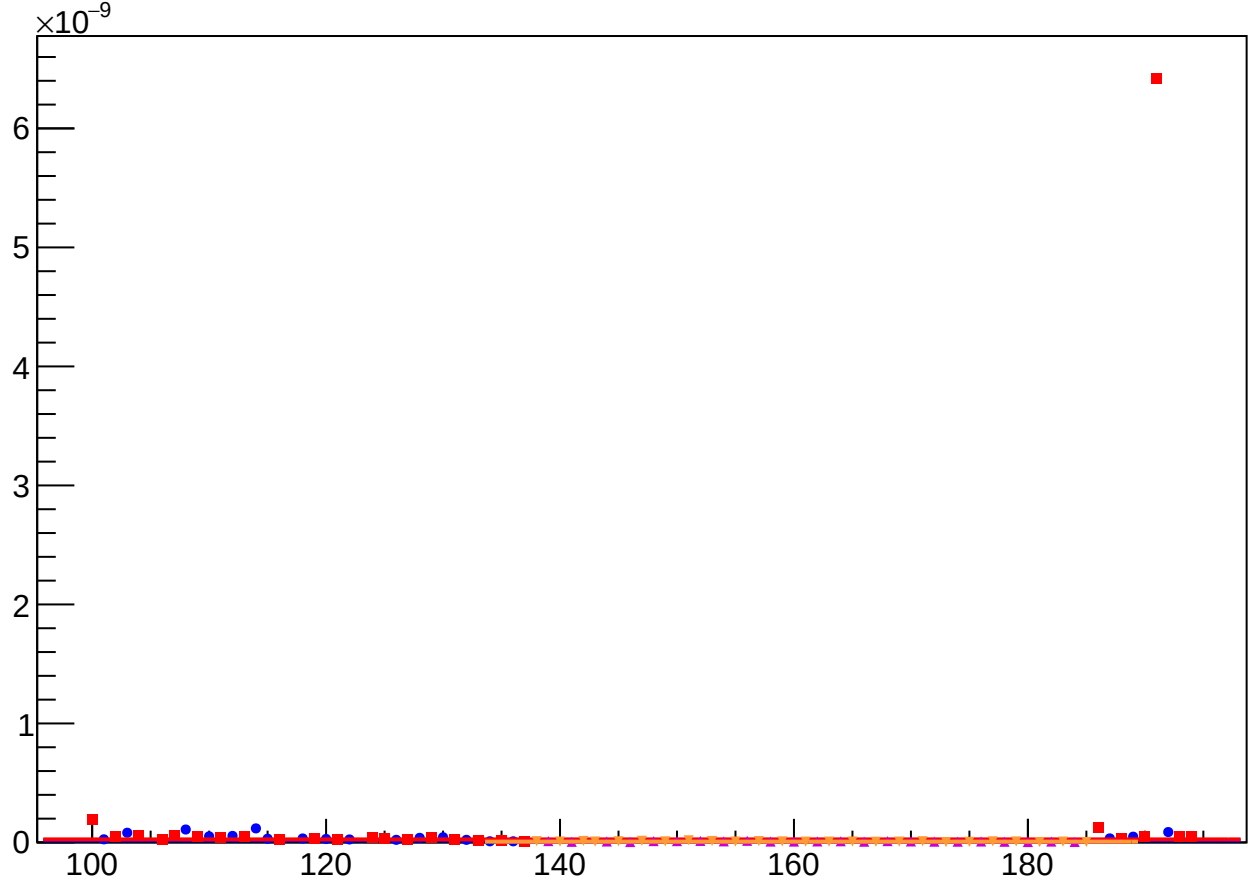
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.9/43

All: 0.000+/-0.000 χ^2/NDF: 102.1/91

- sign 0.000+/-0.000 χ^2/NDF: 39.6/47

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: 2072516.5/24

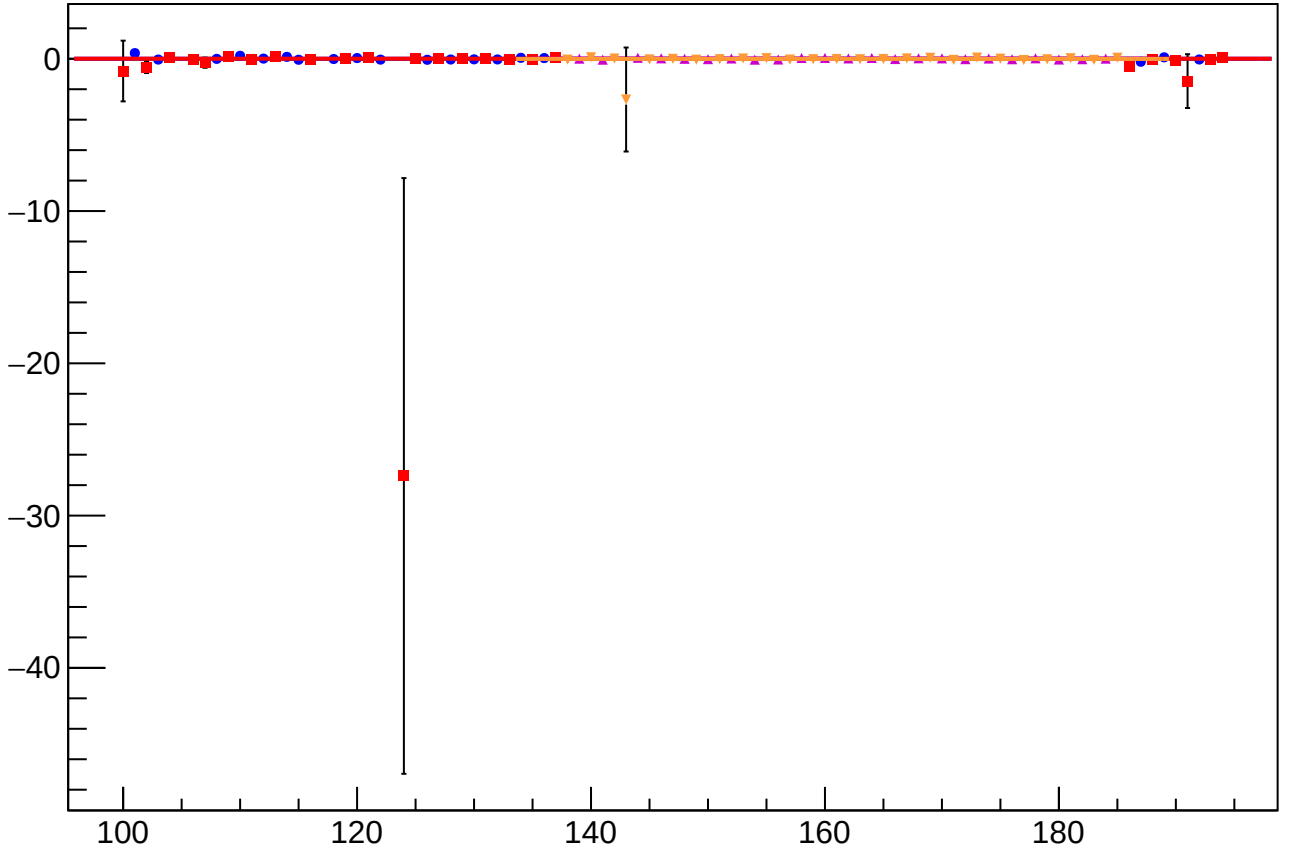
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6510542.6/43

All: 0.000+/-0.000 χ^2/NDF: 13160543.8/91

- sign 0.000+/-0.000 χ^2/NDF: 6646249.9/47

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: 0.004+/-0.013 χ^2/NDF: 24.7/24

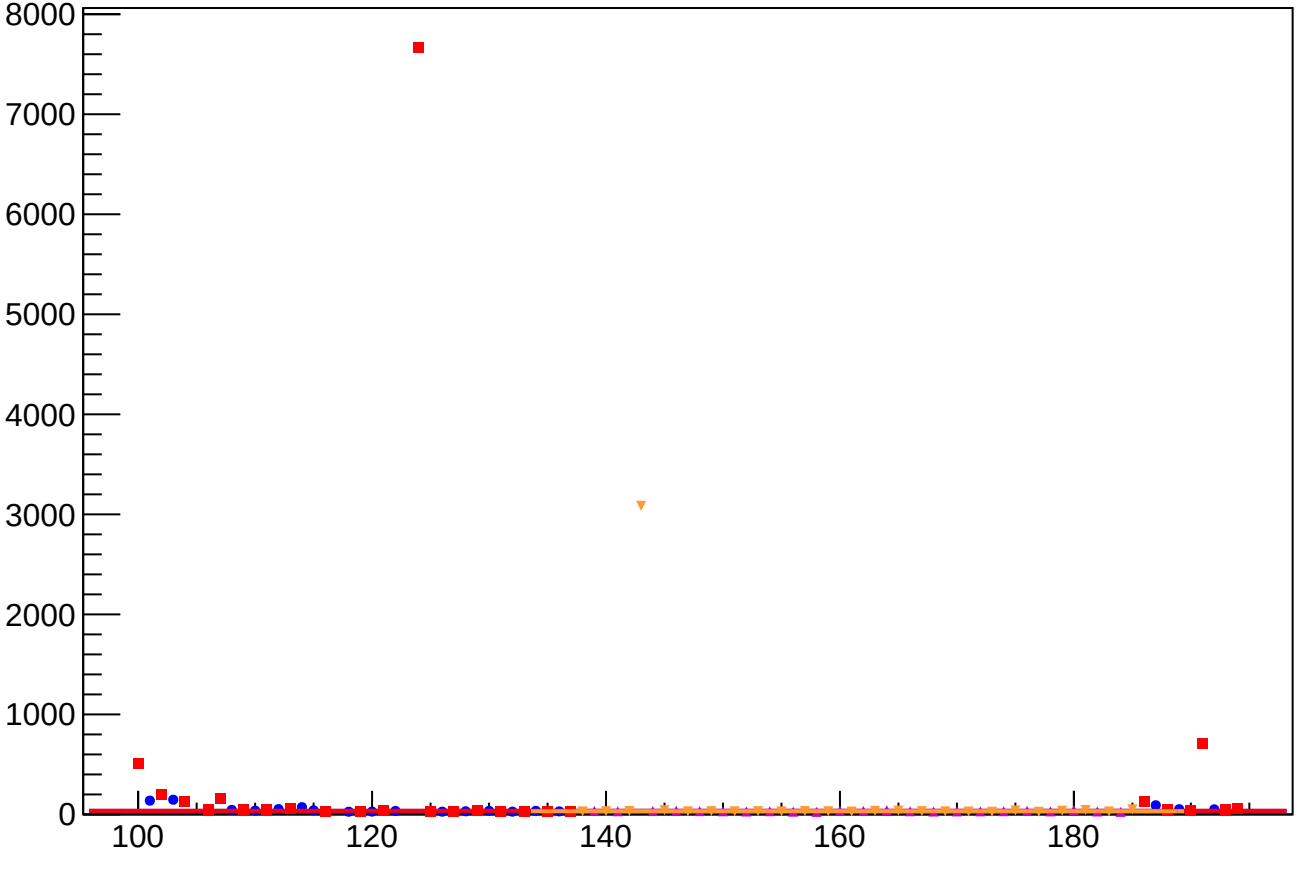
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 63.8/43

All: -0.002+/-0.005 χ^2/NDF: 110.6/91

\- sign 0.004+/-0.007 χ^2/NDF: 45.6/47

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

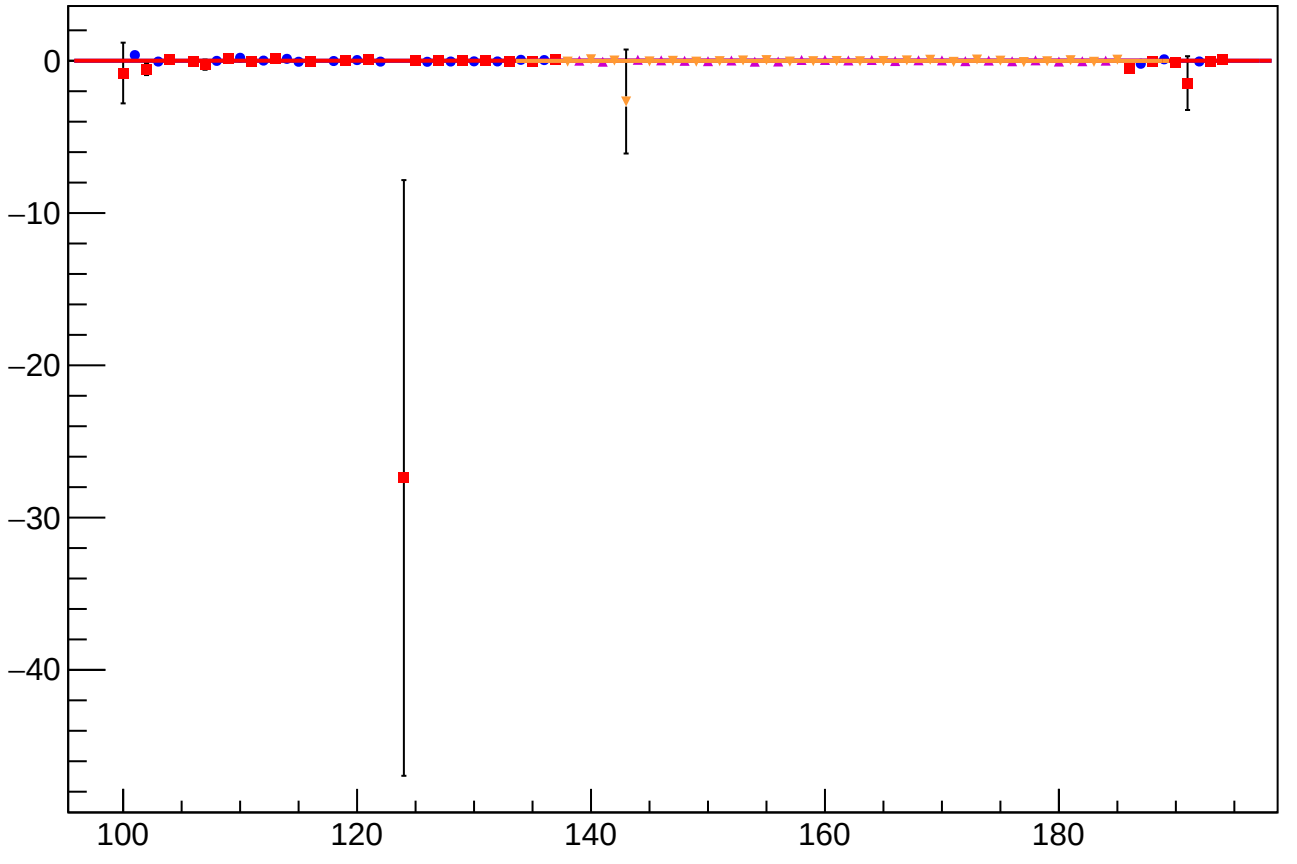
Right Out: 36.588+/-0.009 χ^2/NDF: 3320921.4/24

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 33.200+/-0.005 χ^2/NDF: 4325874.9/43

All: 33.389+/-0.004 χ^2/NDF: 8215624.2/91

- sign 33.575+/-0.005 χ^2/NDF: 3886939.5/47



Right In: 0.000+/-0.014 χ^2/NDF: 23.9/18

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.004+/-0.013 χ^2/NDF: 24.7/24

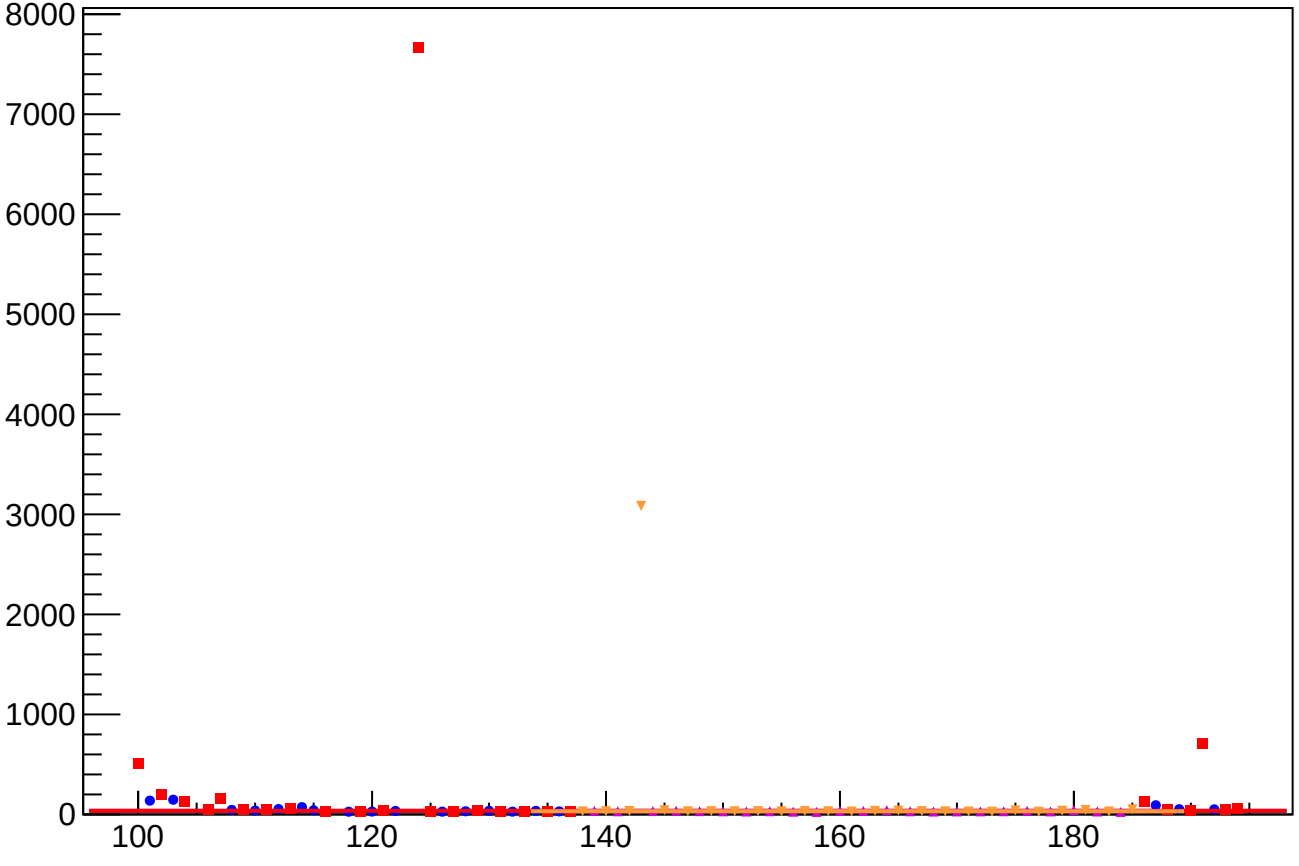
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 63.8/43

All: -0.002+/-0.005 χ^2/NDF: 110.6/91

\- sign 0.004+/-0.007 χ^2/NDF: 45.6/47

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

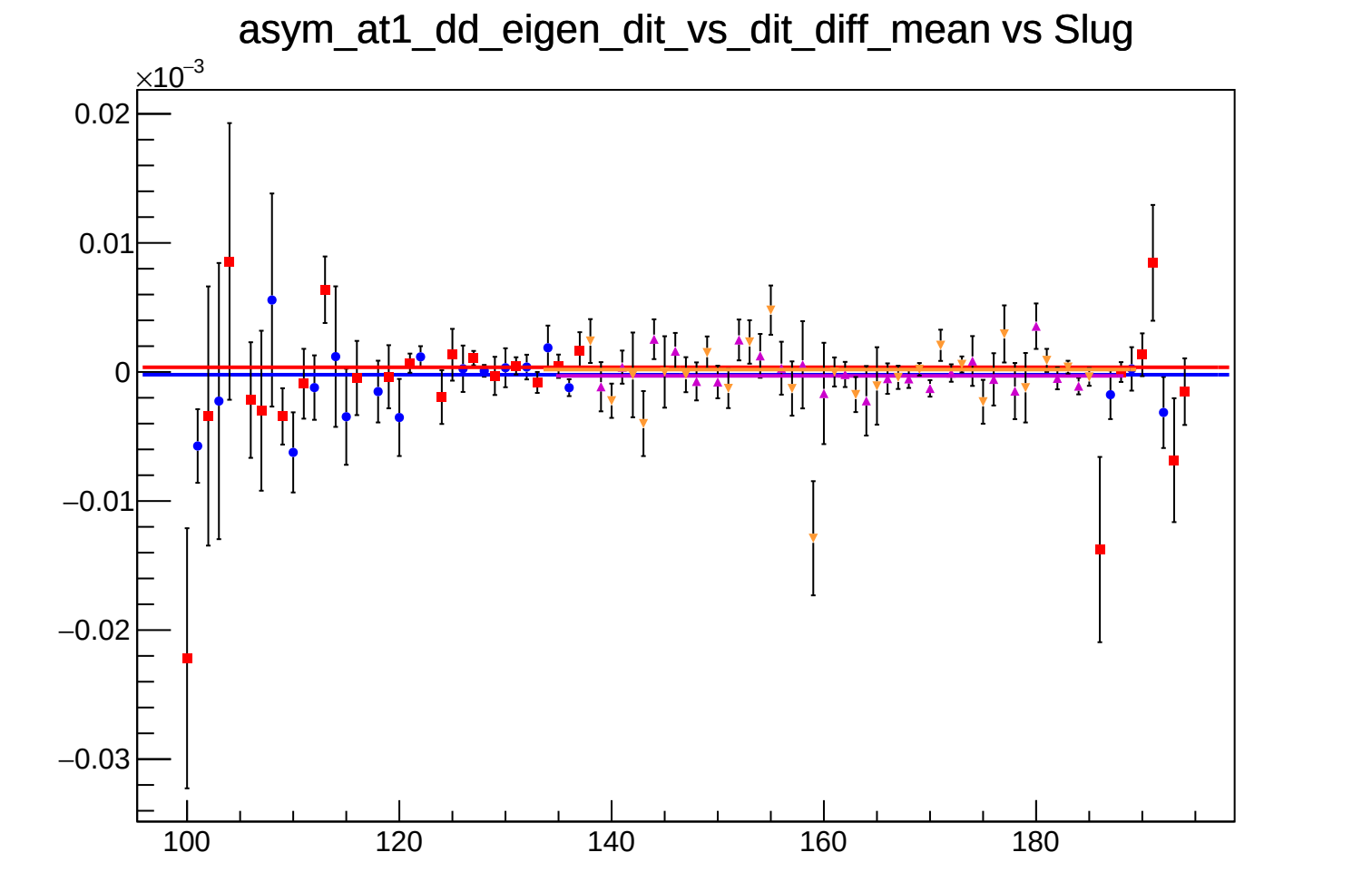
Right Out: 36.588+/-0.009 χ^2/NDF: 3320921.4/24

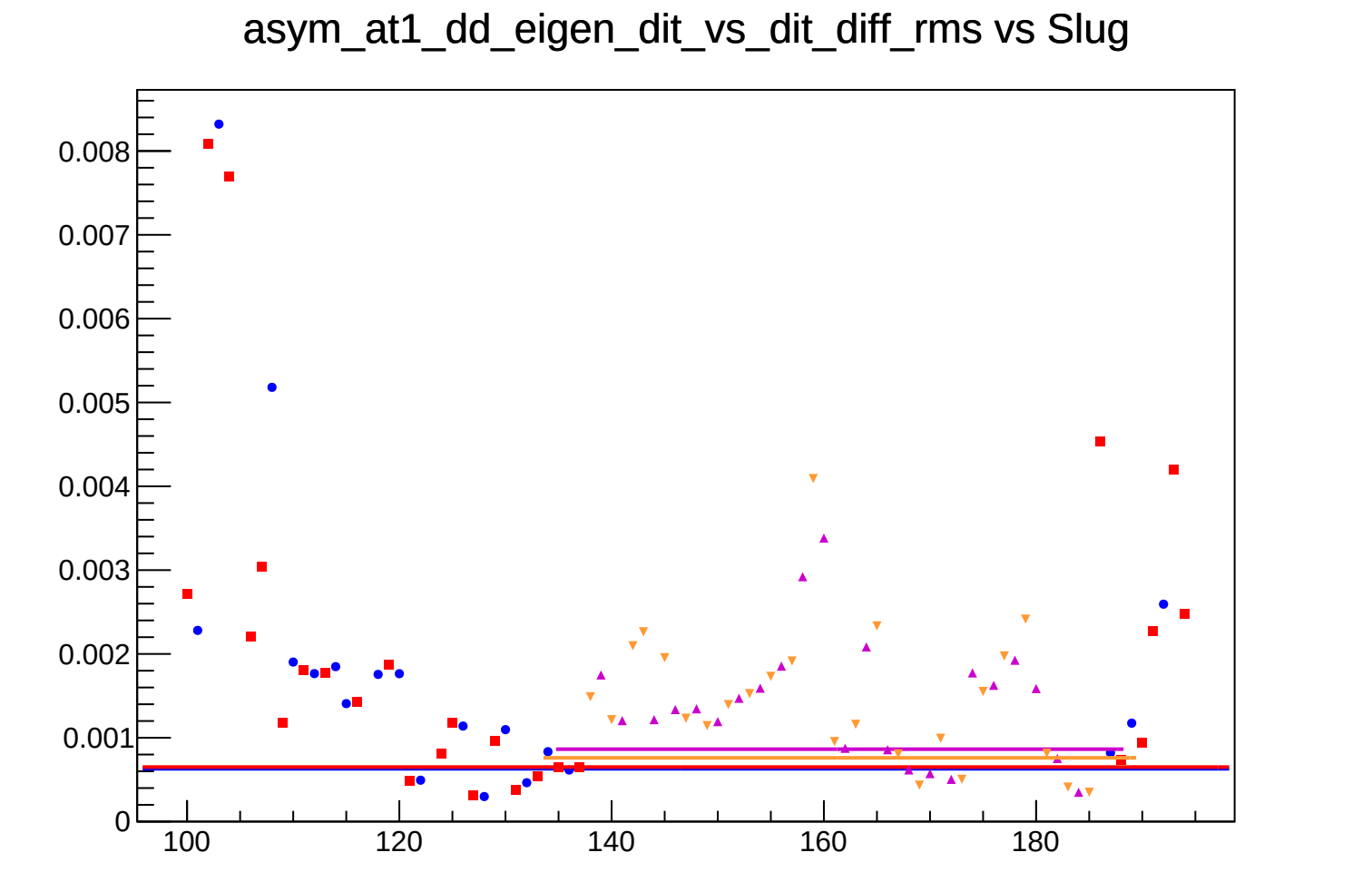
Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 33.200+/-0.005 χ^2/NDF: 4325874.9/43

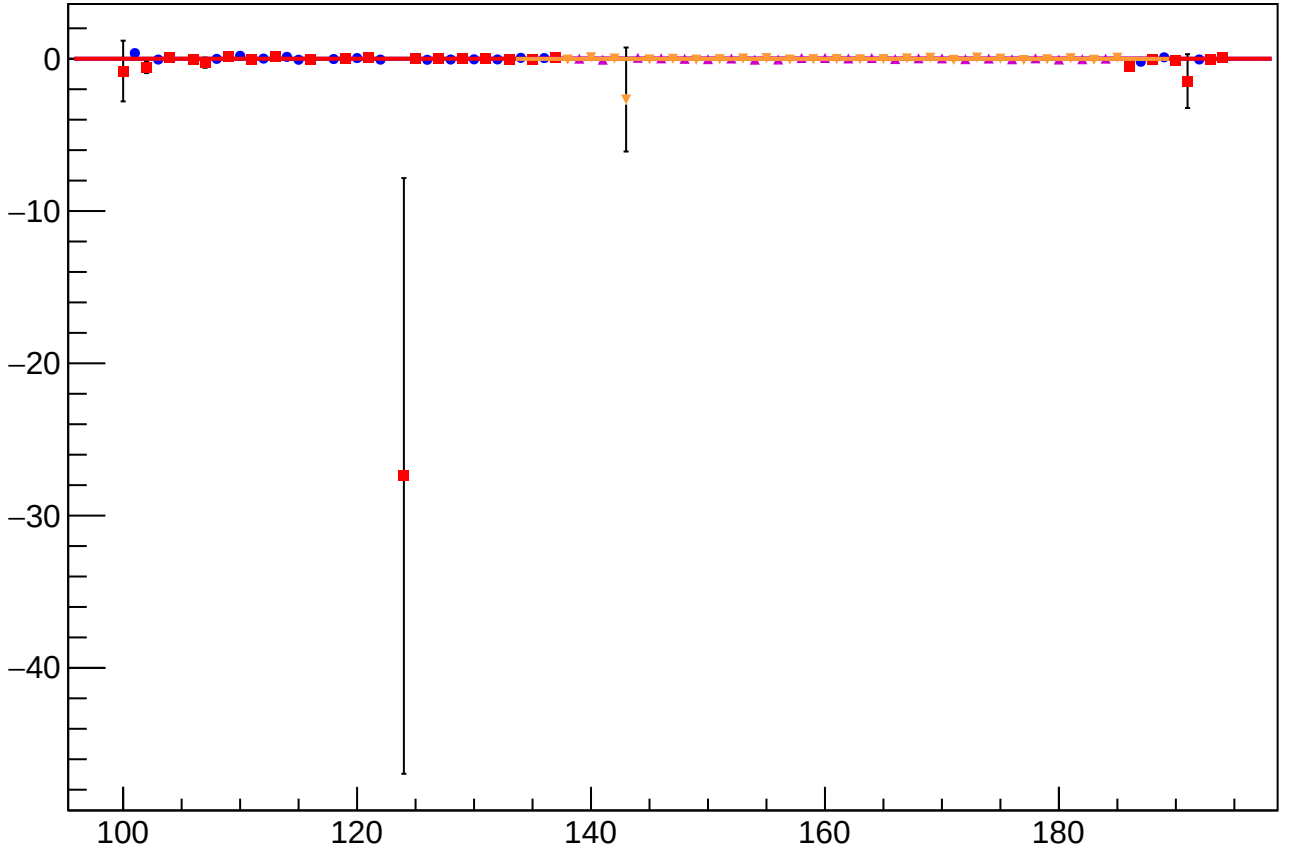
All: 33.389+/-0.004 χ^2/NDF: 8215624.2/91

- sign 33.575+/-0.005 χ^2/NDF: 3886939.5/47


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: 32.1/24
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: 114.8/91
- sign 0.000+/-0.000 χ²/NDF: 55.9/47


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
120
140
160
180
Right In: 0.001+/-0.000 χ²/NDF: 6774372.7/18
Left Out: 0.001+/-0.000 χ²/NDF:11085699.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 8571078.6/24
Left In: 0.001+/-0.000 χ²/NDF:8440059.8/22
+ sign 0.001+/-0.000 χ²/NDF: 18131499.9/43
All: 0.001+/-0.000 χ²/NDF: 35958169.2/91
- sign 0.001+/-0.000 χ²/NDF: 17734550.7/47

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.014 χ^2/NDF: 23.9/18

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.004+/-0.013 χ^2/NDF: 24.7/24

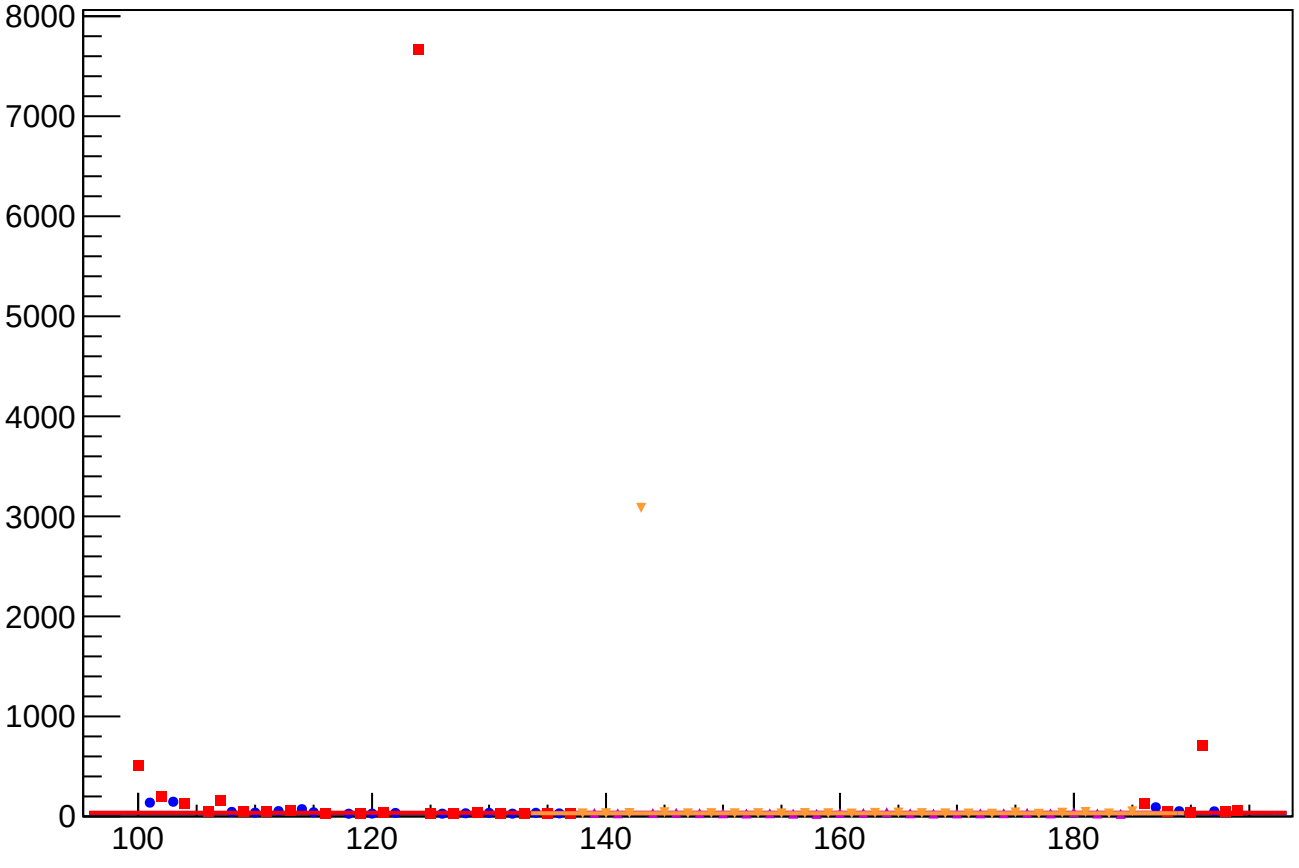
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 63.8/43

All: -0.002+/-0.005 χ^2/NDF: 110.6/91

- sign 0.004+/-0.007 χ^2/NDF: 45.6/47

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

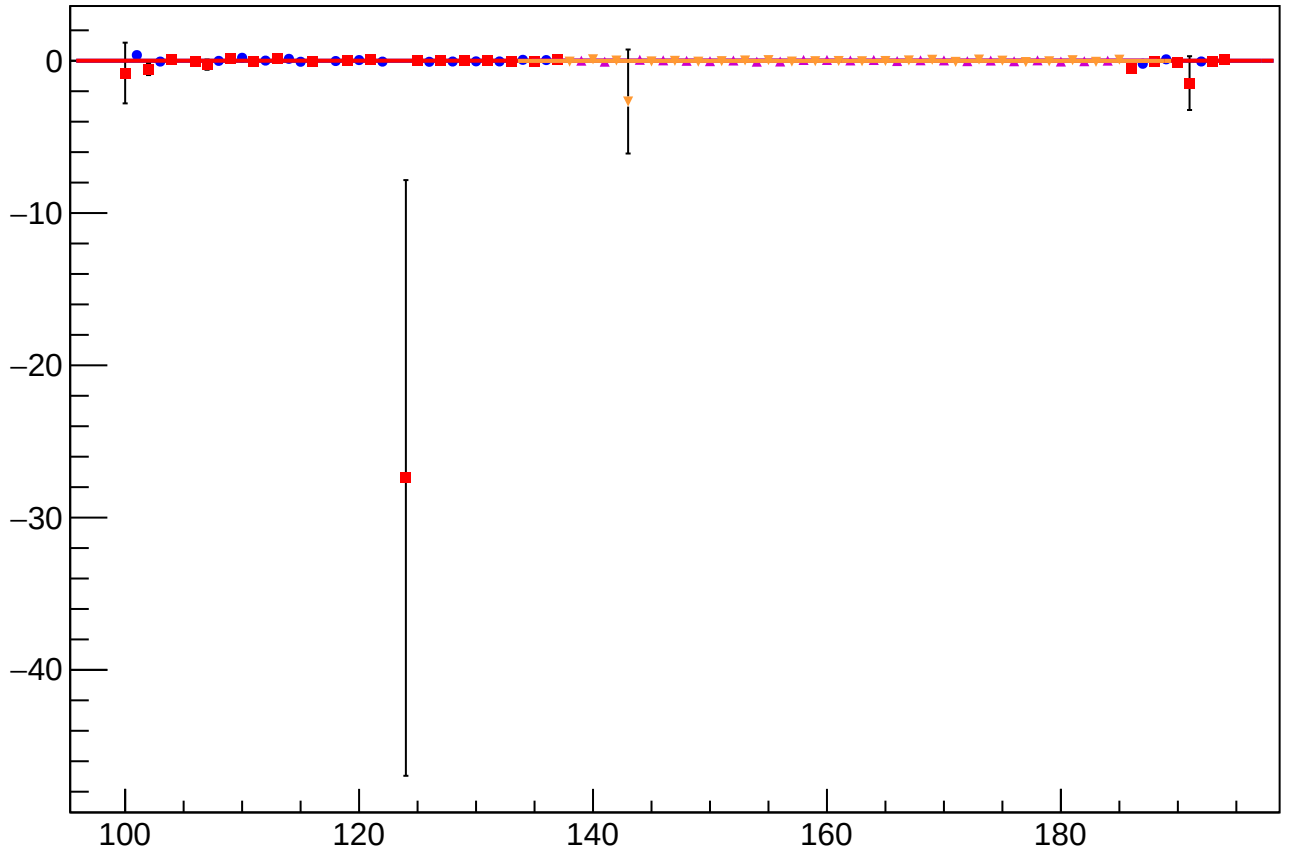
Right Out: 36.588+/-0.009 χ^2/NDF: 3320901.8/24

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 33.200+/-0.005 χ^2/NDF: 4325900.8/43

All: 33.389+/-0.004 χ^2/NDF: 8215526.1/91

- sign 33.575+/-0.005 χ^2/NDF: 3886812.4/47



Right In: 0.000+/-0.014 χ^2/NDF: 23.9/18

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.004+/-0.013 χ^2/NDF: 24.7/24

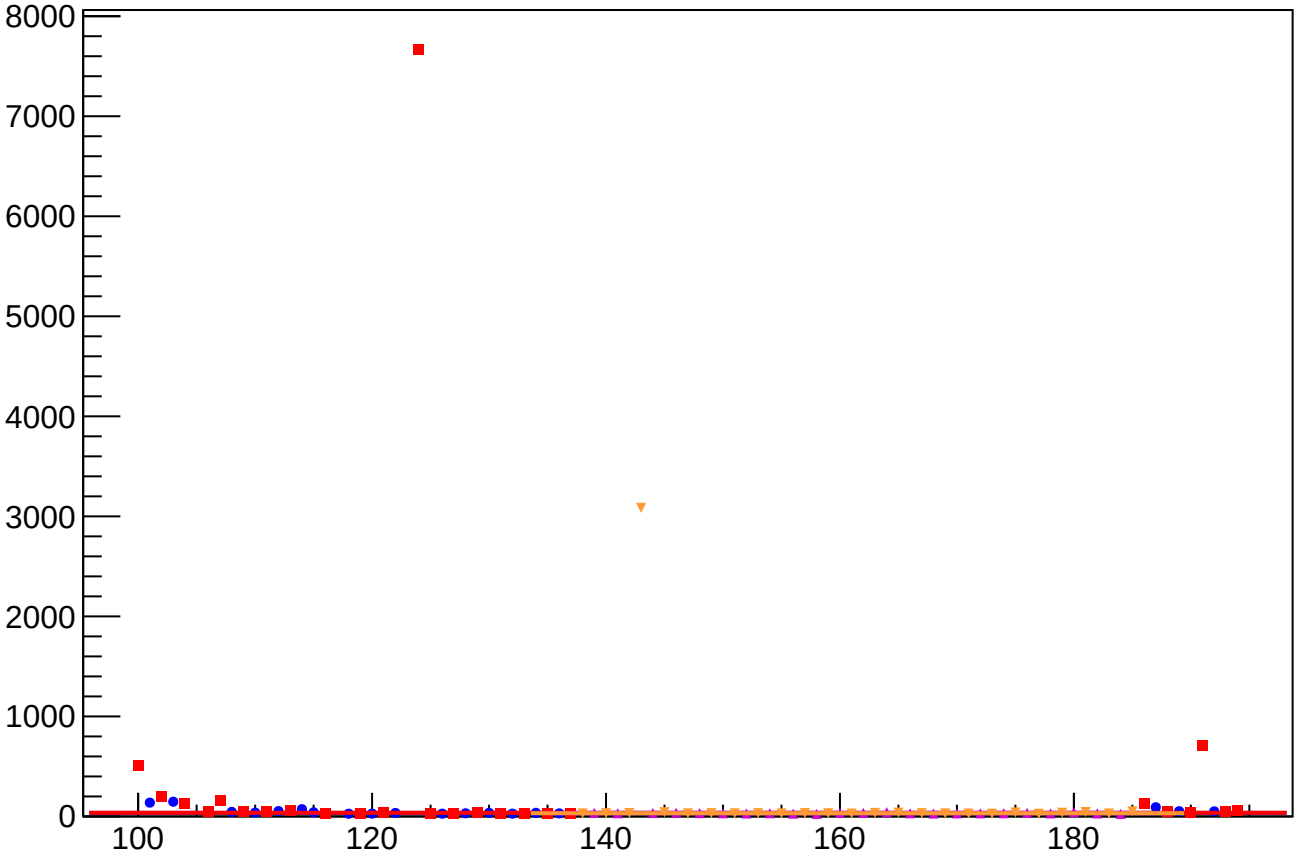
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 63.8/43

All: -0.002+/-0.005 χ^2/NDF: 110.6/91

\- sign 0.004+/-0.007 χ^2/NDF: 45.6/47

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



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Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

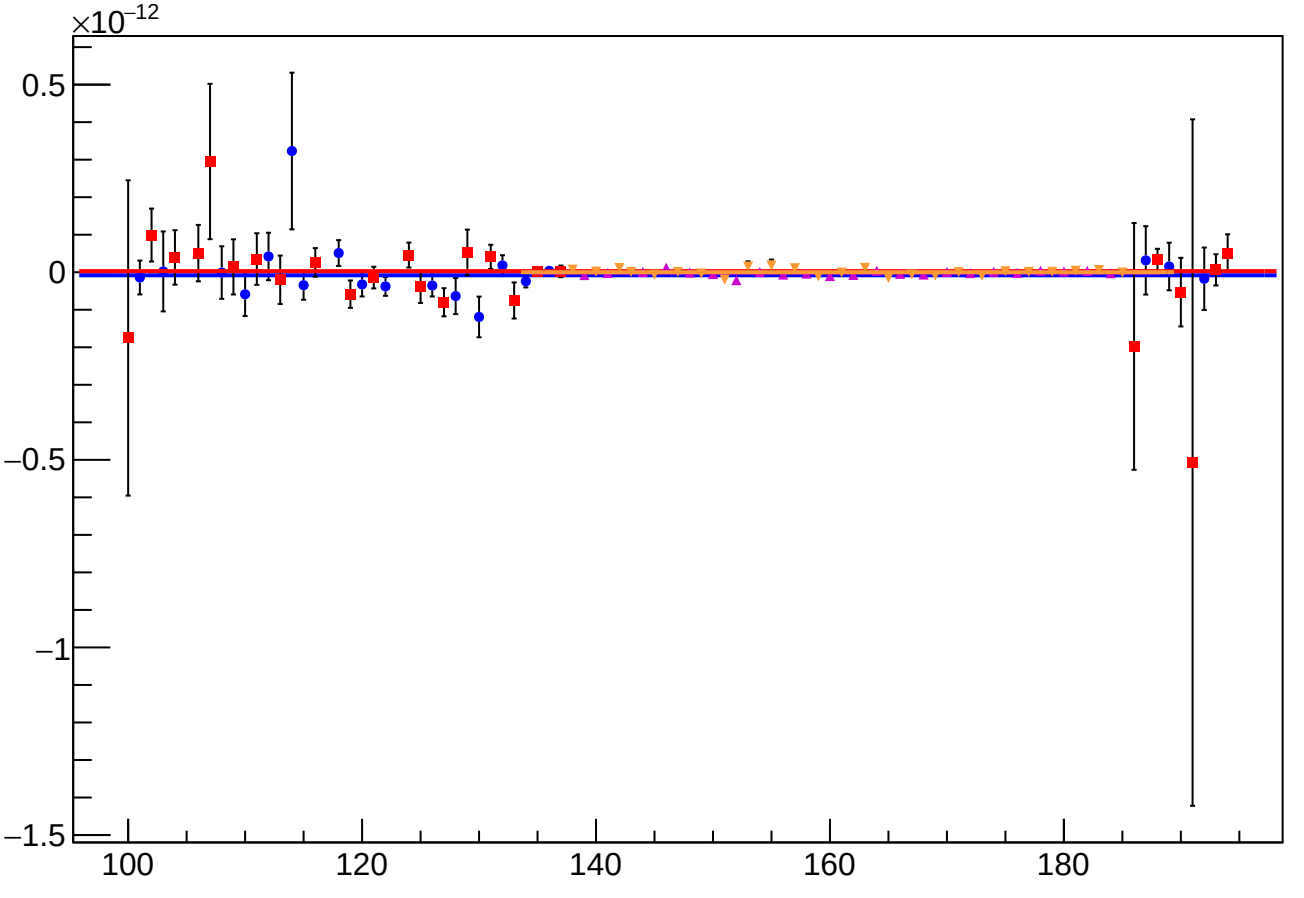
Right Out: 36.588+/-0.009 χ^2/NDF: 3320901.8/24

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 33.200+/-0.005 χ^2/NDF: 4325900.8/43

All: 33.389+/-0.004 χ^2/NDF: 8215526.1/91

- sign 33.575+/-0.005 χ^2/NDF: 3886812.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/24

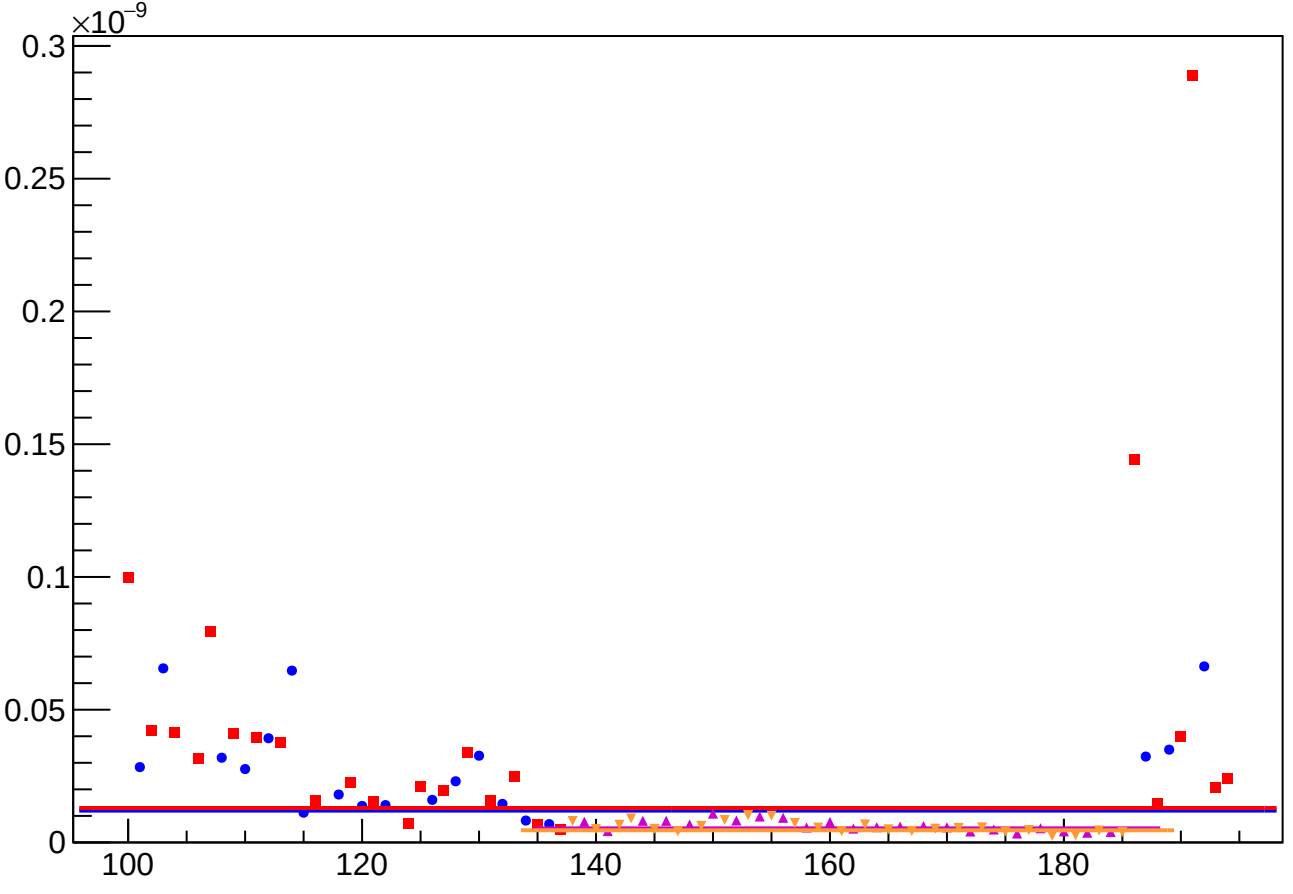
Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.3/43

All: -0.000+/-0.000 χ^2/NDF: 75.7/91

- sign -0.000+/-0.000 χ^2/NDF: 33.4/47

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: 4630234.0/24

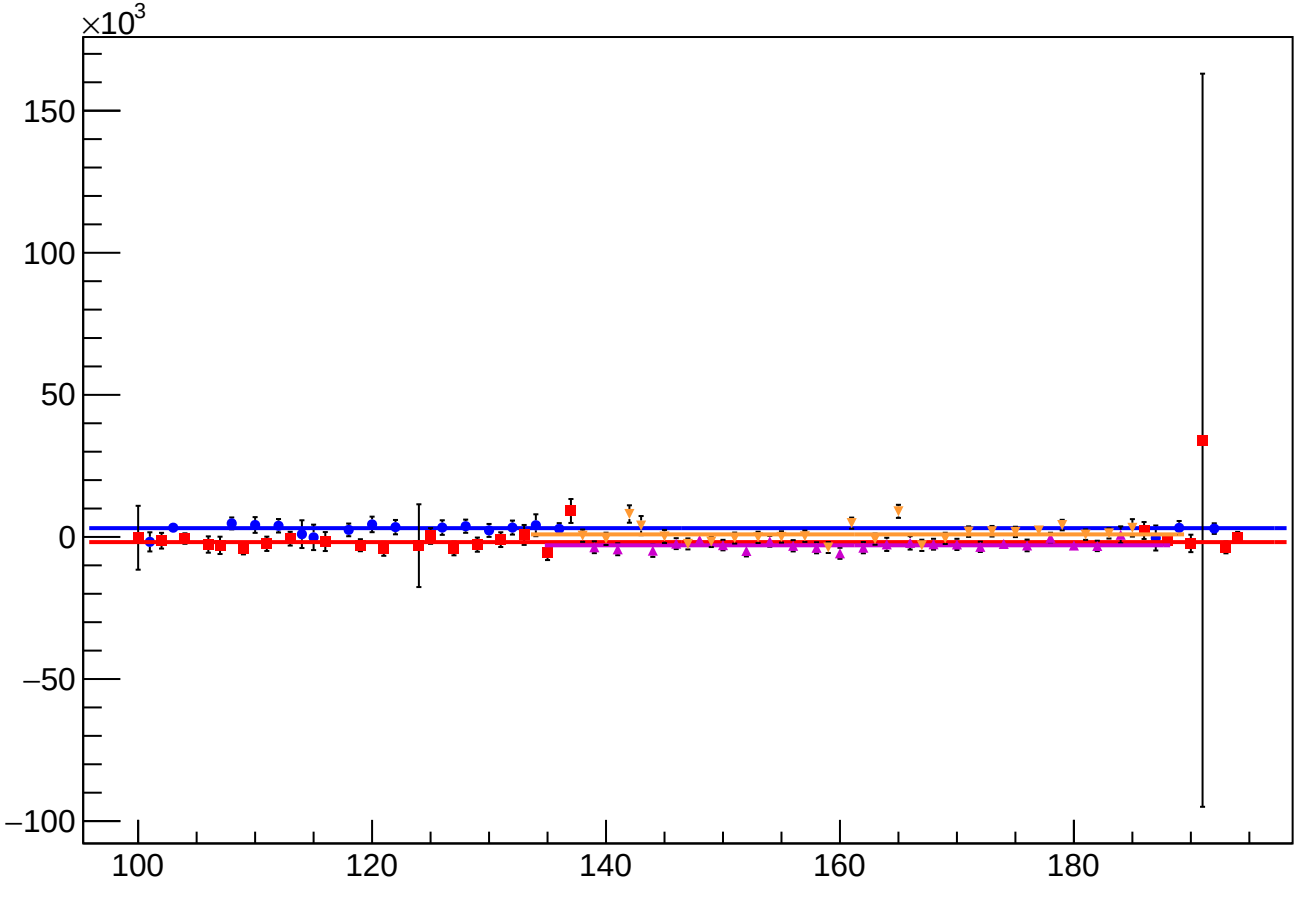
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9450381.1/43

All: 0.000+/-0.000 χ^2/NDF: 18939757.6/91

- sign 0.000+/-0.000 χ^2/NDF: 9237813.8/47

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: -1814.913+/-529.143 χ^2/NDF: 17.8/24

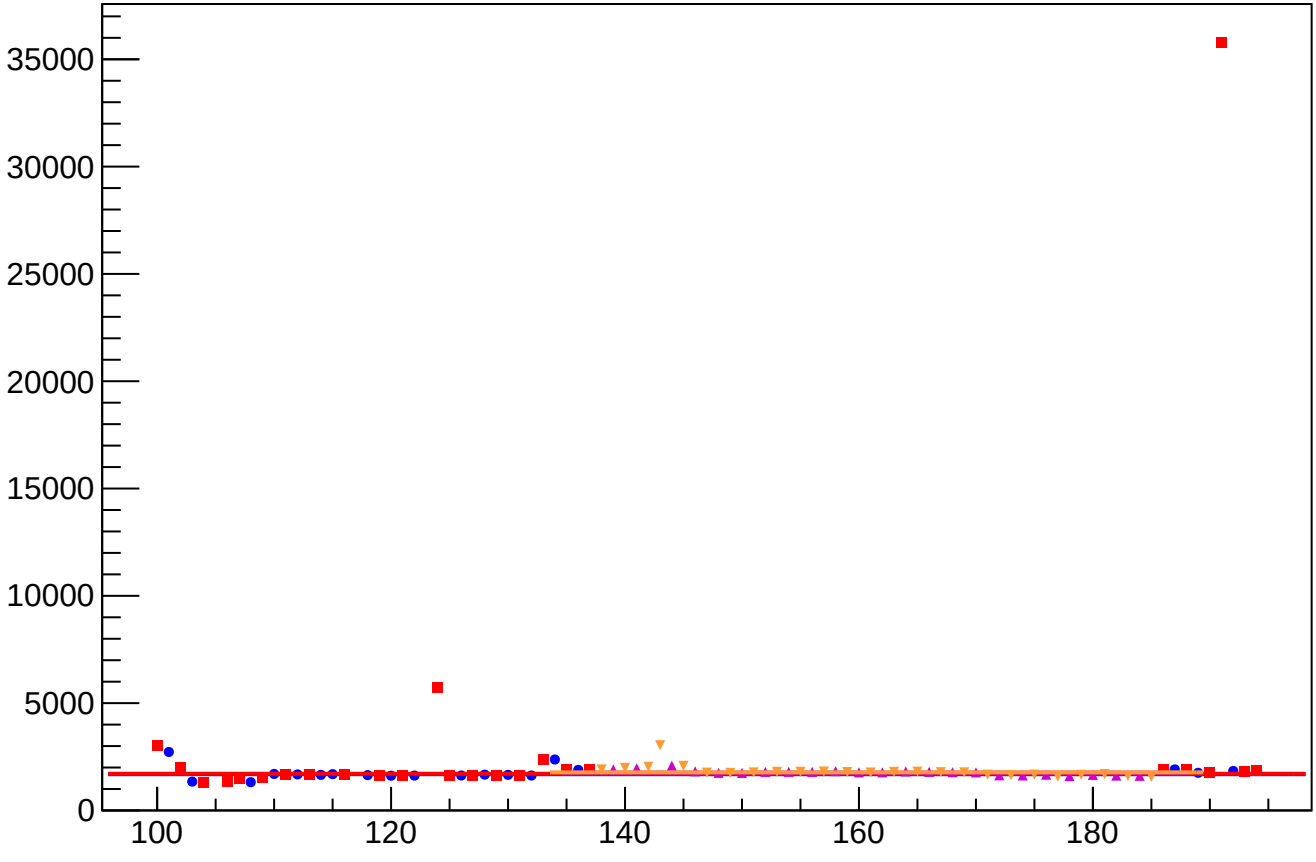
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1631.921+/-331.007 χ^2/NDF: 60.0/43

All: -479.956+/-231.946 χ^2/NDF: 171.2/91

- sign -2517.314+/-325.115 χ^2/NDF: 31.2/47

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: 1708.529+/-0.374 χ^2/NDF: 645492.4/24

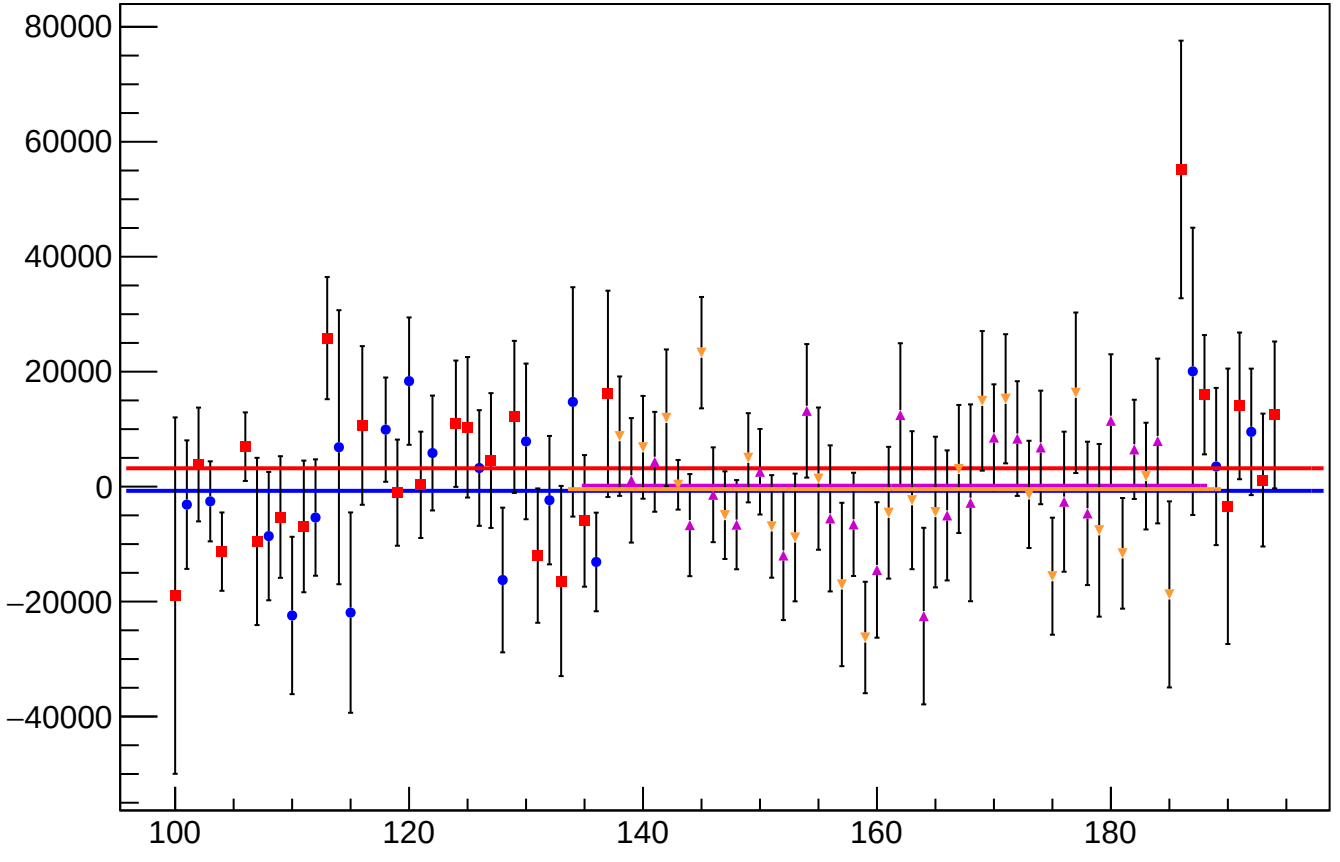
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1746.096+/-0.234 χ^2/NDF: 915510.3/43

All: 1743.628+/-0.164 χ^2/NDF: 1719771.0/91

- sign 1741.247+/-0.230 χ^2/NDF: 804042.3/47

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: 3190.386+/-2224.375 χ^2/NDF: 26.6/24

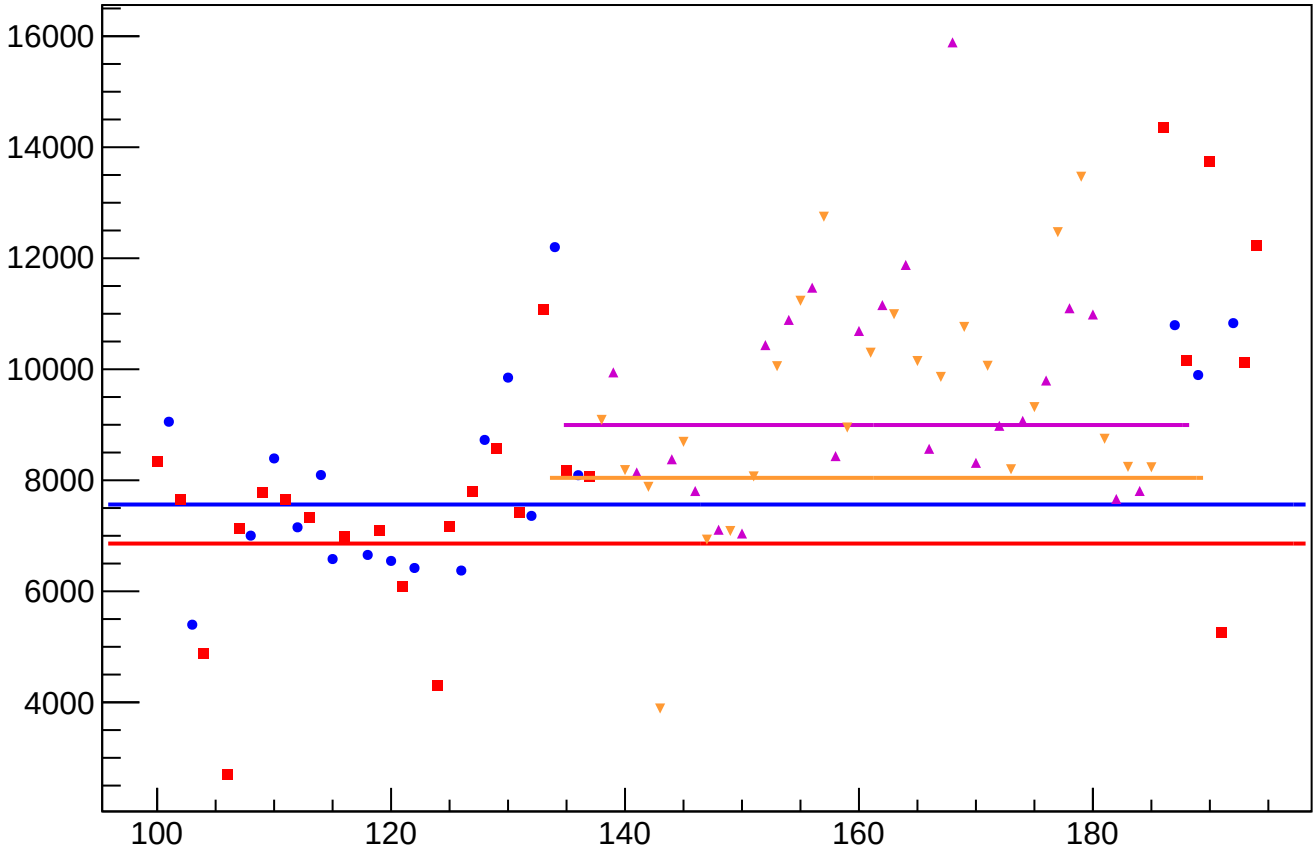
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -545.739+/-1547.191 χ^2/NDF: 45.6/43

All: 538.048+/-1092.715 χ^2/NDF: 87.9/91

- sign 1616.640+/-1543.479 χ^2/NDF: 41.4/47

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

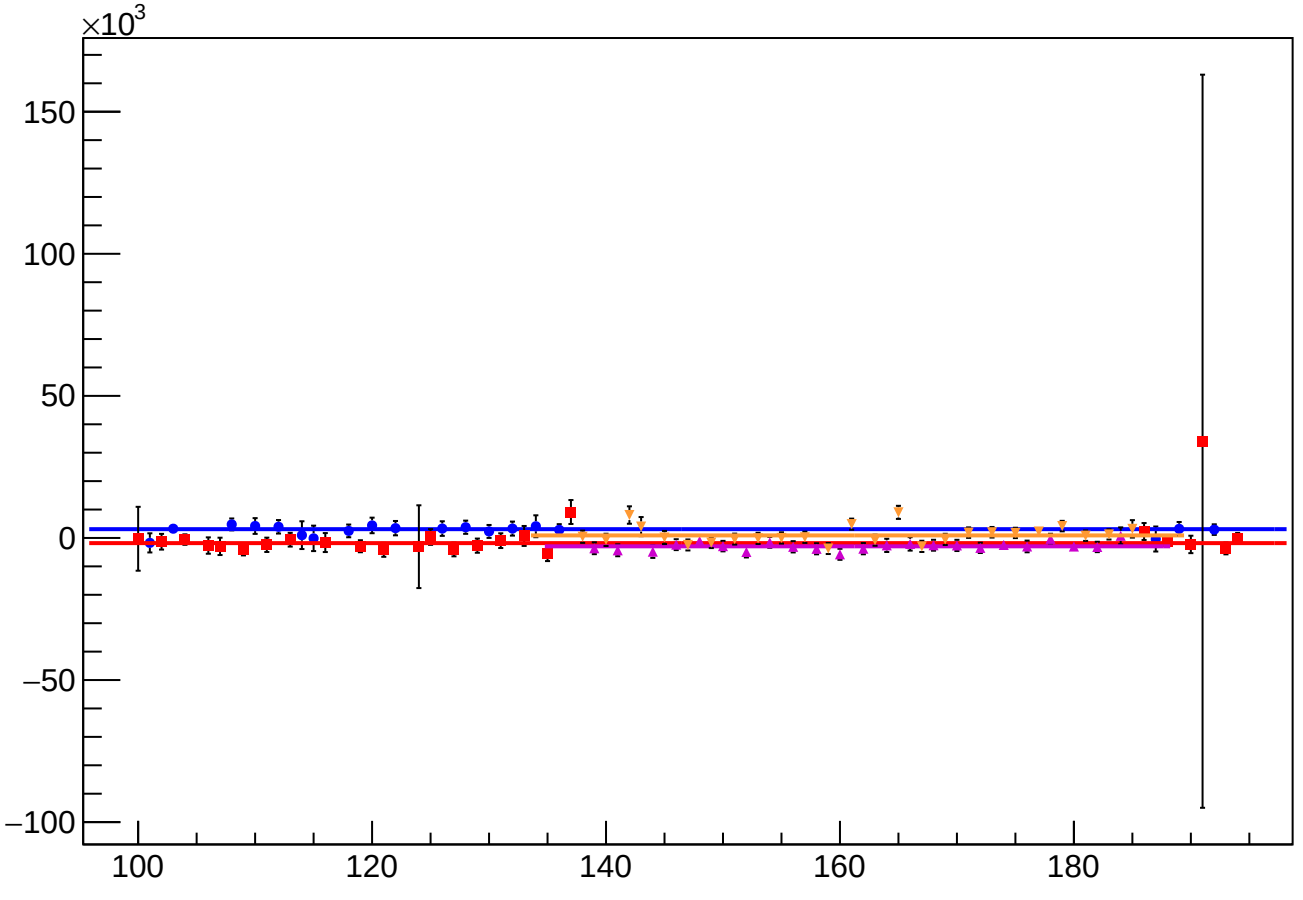
Right Out: 6860.162+/-1.573 χ^2/NDF: 2661526.0/24

Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 7873.630+/-1.094 χ^2/NDF: 4208210.0/43

All: 7920.639+/-0.773 χ^2/NDF: 9036333.8/91

- sign 7967.424+/-1.091 χ^2/NDF: 4824439.9/47



Right In: 3094.961+/-572.922 χ^2/NDF: 5.0/18

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1814.770+/-529.143 χ^2/NDF: 17.8/24

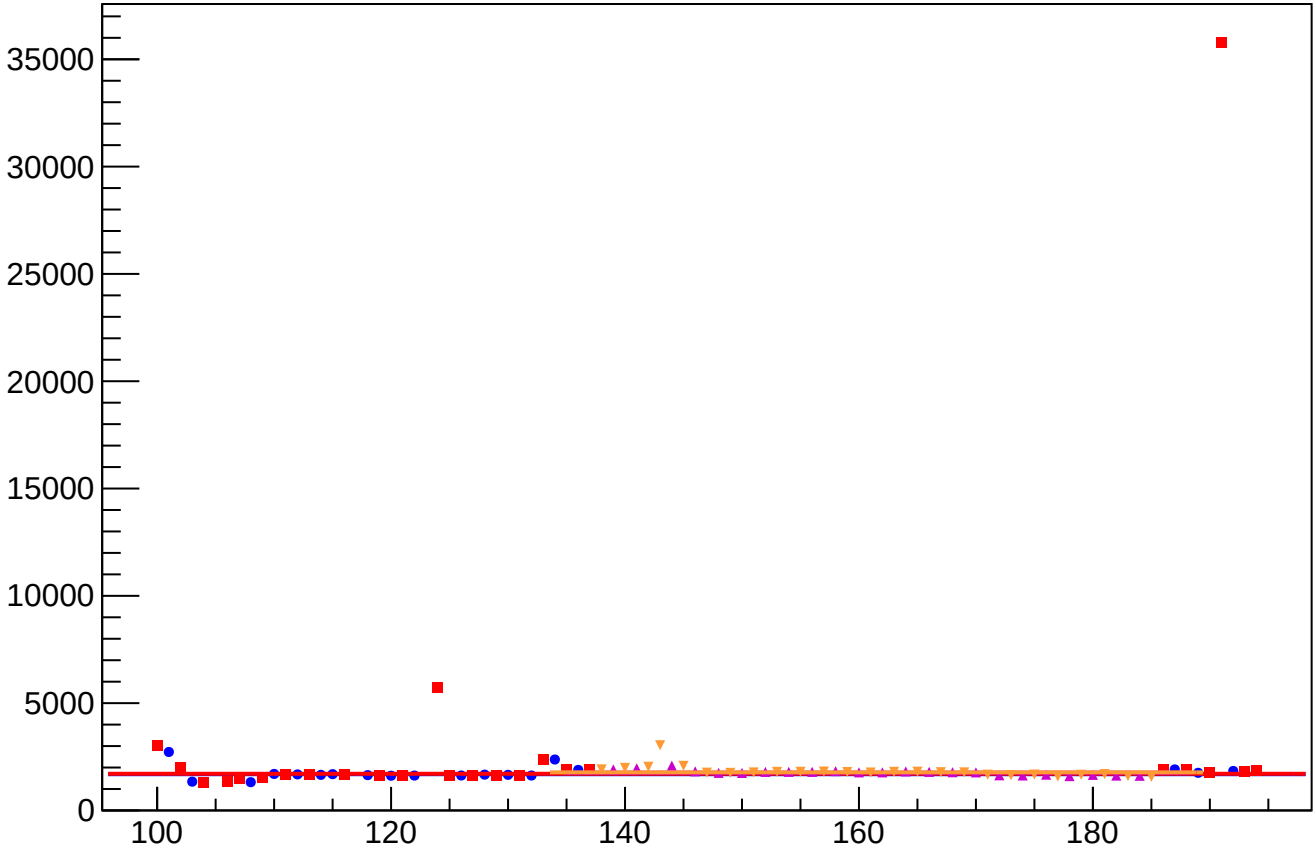
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1631.902+/-331.007 χ^2/NDF: 60.0/43

All: -479.902+/-231.946 χ^2/NDF: 171.2/91

- sign -2517.190+/-325.115 χ^2/NDF: 31.2/47

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: 1708.529+/-0.374 χ^2/NDF: 645492.6/24

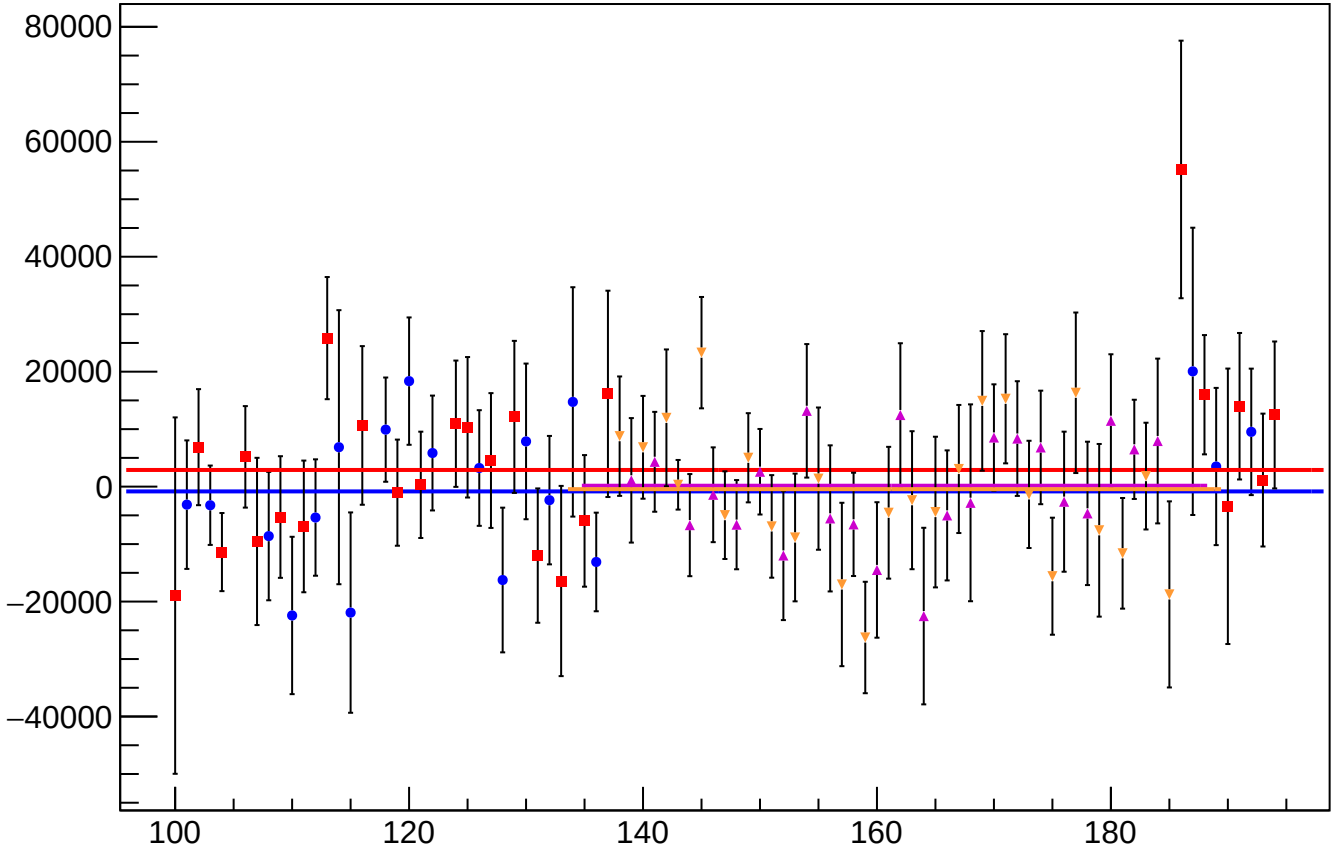
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1746.096+/-0.234 χ^2/NDF: 915510.7/43

All: 1743.628+/-0.164 χ^2/NDF: 1719771.7/91

- sign 1741.247+/-0.230 χ^2/NDF: 804042.5/47

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: 2898.129+/-2315.112 χ^2/NDF: 26.4/24

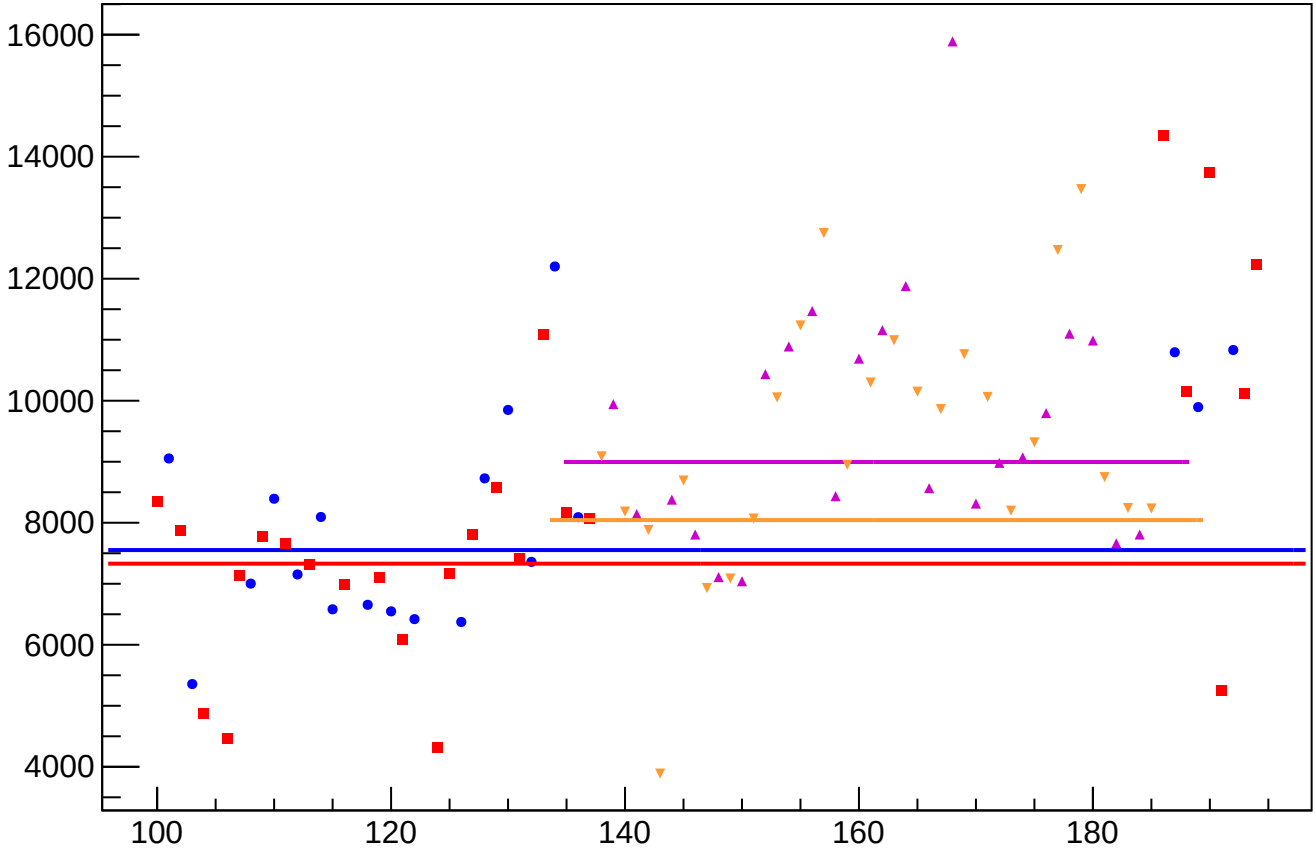
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -581.577+/-1546.532 χ^2/NDF: 45.7/43

All: 402.942+/-1102.751 χ^2/NDF: 87.5/91

- sign 1421.258+/-1572.852 χ^2/NDF: 41.0/47

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

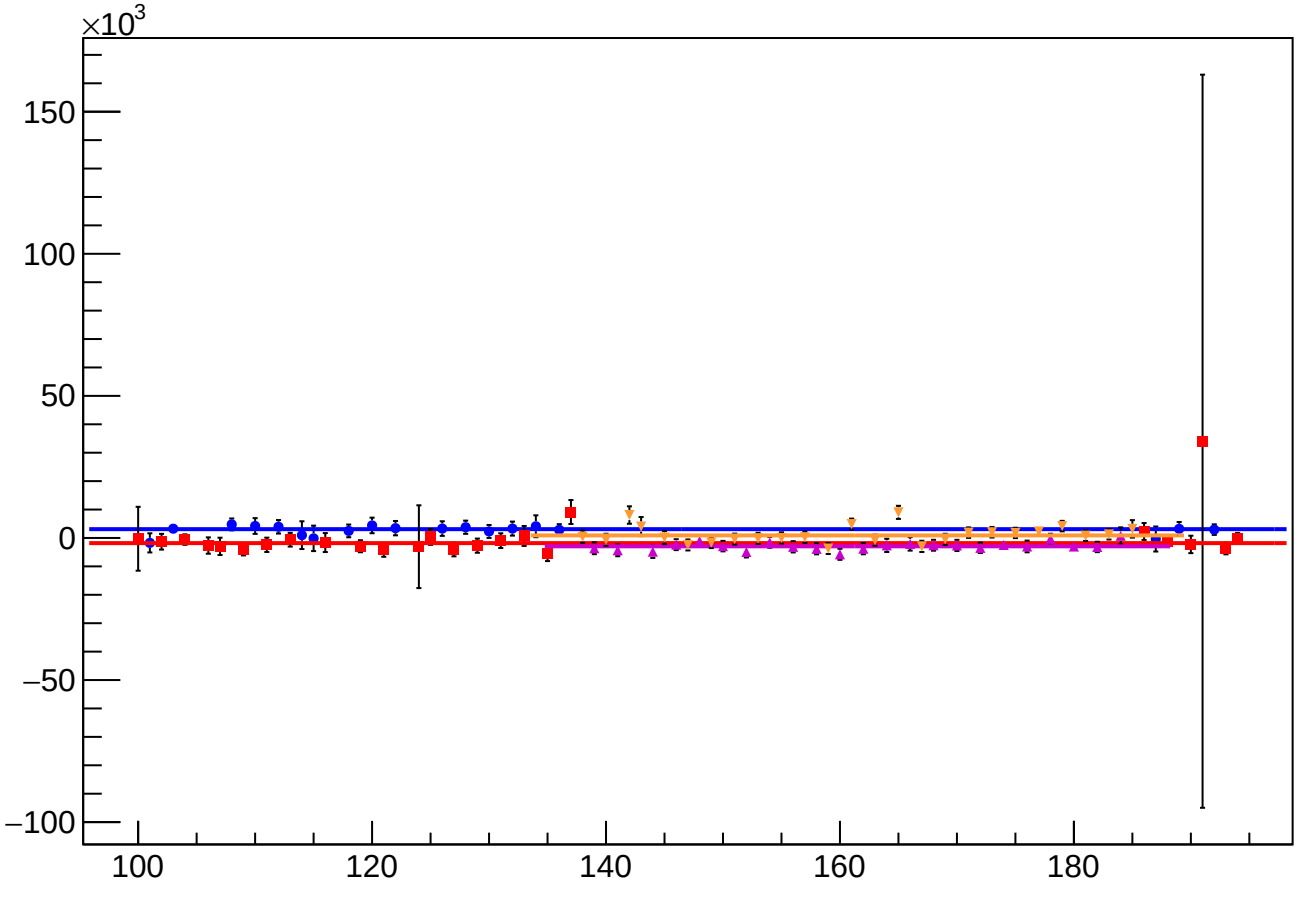
Right Out: 7329.422+/-1.637 χ^2/NDF: 1763375.0/24

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7869.381+/-1.094 χ^2/NDF: 4221444.1/43

All: 8044.957+/-0.780 χ^2/NDF: 7802190.6/91

- sign 8226.559+/-1.112 χ^2/NDF: 3528306.6/47



Right In: 3094.961+/-572.922 χ^2/NDF: 5.0/18

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1814.770+/-529.143 χ^2/NDF: 17.8/24

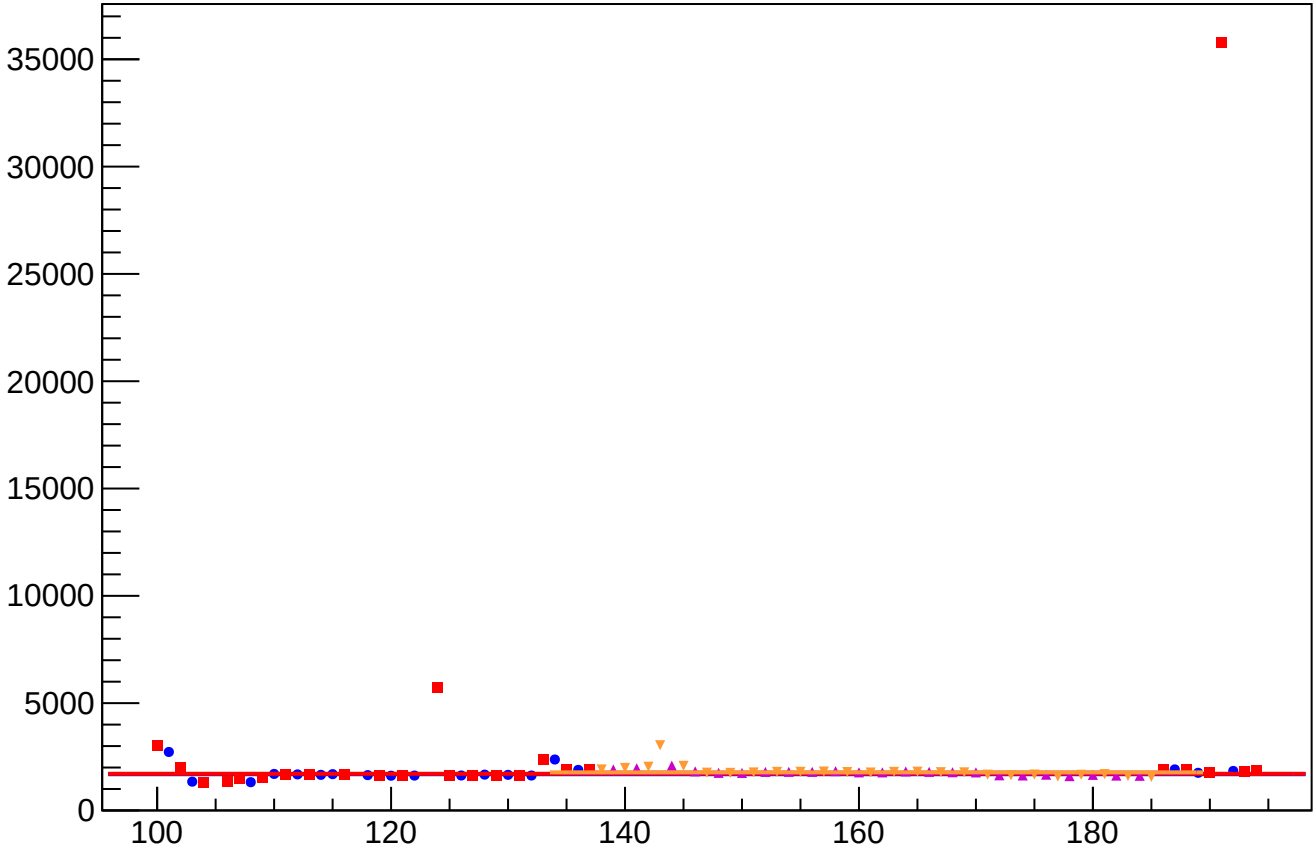
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1631.902+/-331.007 χ^2/NDF: 60.0/43

All: -479.902+/-231.946 χ^2/NDF: 171.2/91

- sign -2517.190+/-325.115 χ^2/NDF: 31.2/47

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: 1708.529+/-0.374 χ^2/NDF: 645492.6/24

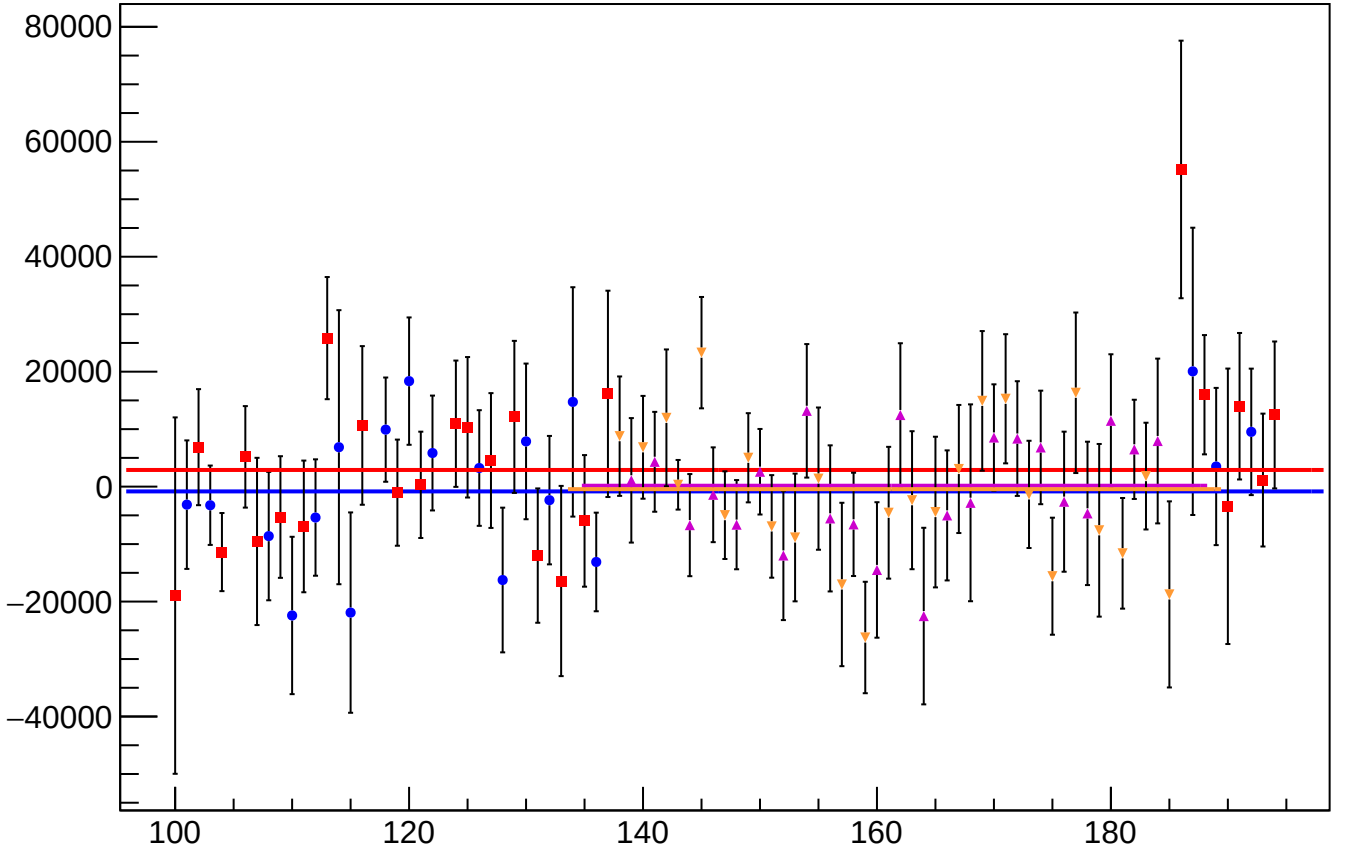
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1746.096+/-0.234 χ^2/NDF: 915510.7/43

All: 1743.628+/-0.164 χ^2/NDF: 1719771.7/91

- sign 1741.247+/-0.230 χ^2/NDF: 804042.5/47

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: 2898.129+/-2315.112 χ^2/NDF: 26.4/24

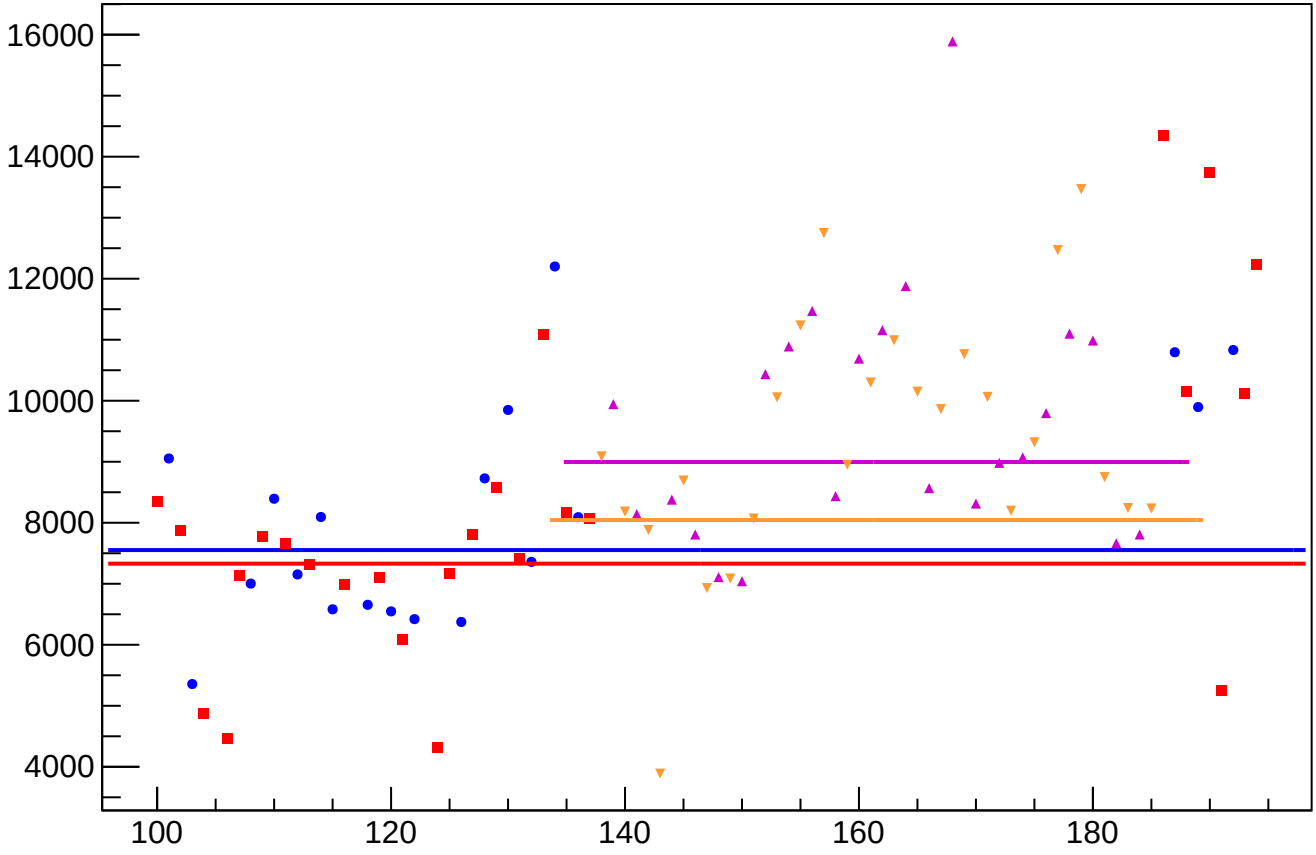
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -581.577+/-1546.532 χ^2/NDF: 45.7/43

All: 402.942+/-1102.751 χ^2/NDF: 87.5/91

- sign 1421.258+/-1572.852 χ^2/NDF: 41.0/47

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: 7329.422+/-1.637 χ^2/NDF: 1763375.0/24

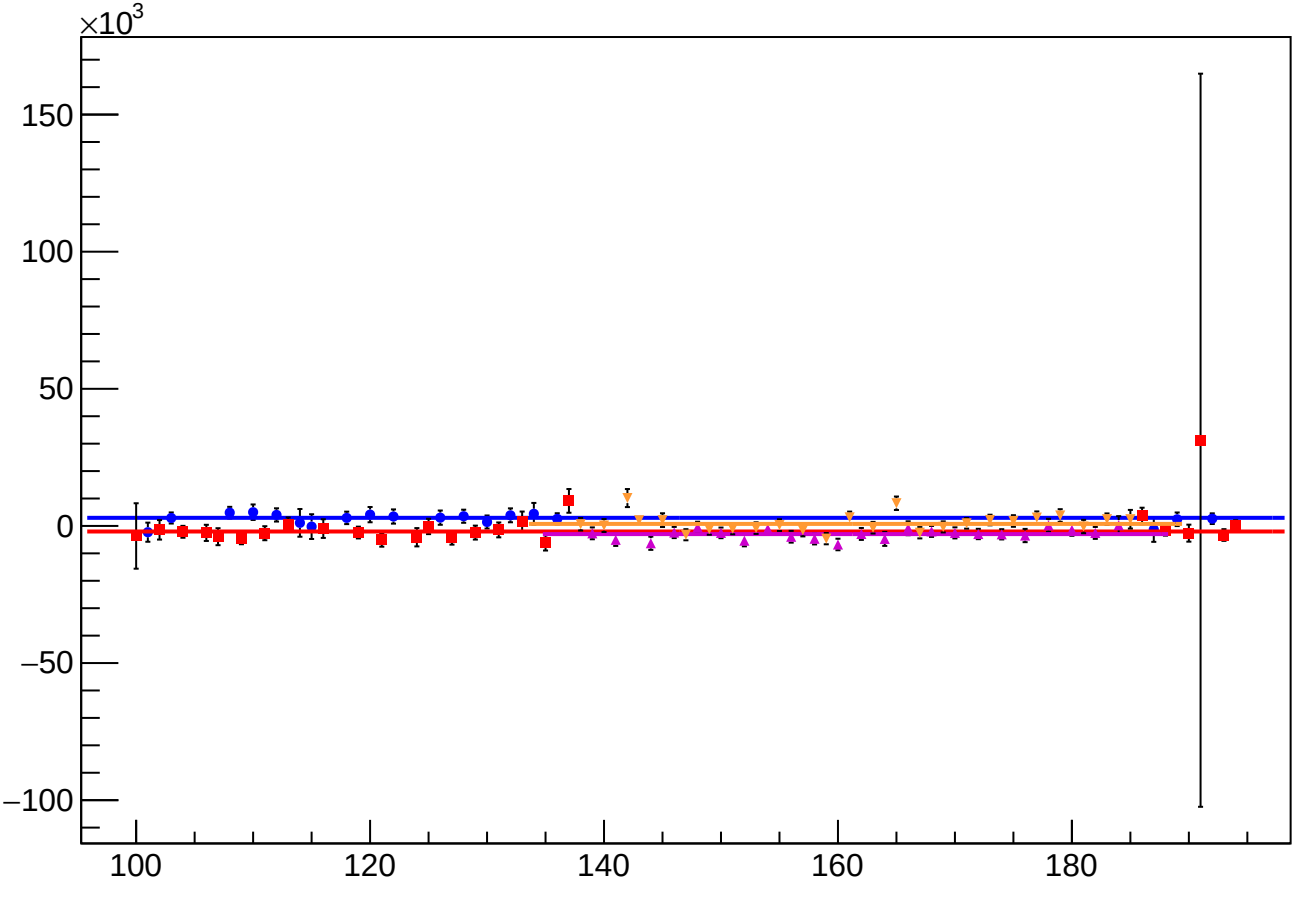
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

\+ sign 7869.381+/-1.094 χ^2/NDF: 4221444.1/43

All: 8044.957+/-0.780 χ^2/NDF: 7802190.6/91

\- sign 8226.559+/-1.112 χ^2/NDF: 3528306.6/47

dit_asym_at2_avg_mean vs Slug



Right In: 2957.028+/-593.788 χ^2/NDF: 6.3/18

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2027.648+/-542.859 χ^2/NDF: 21.6/24

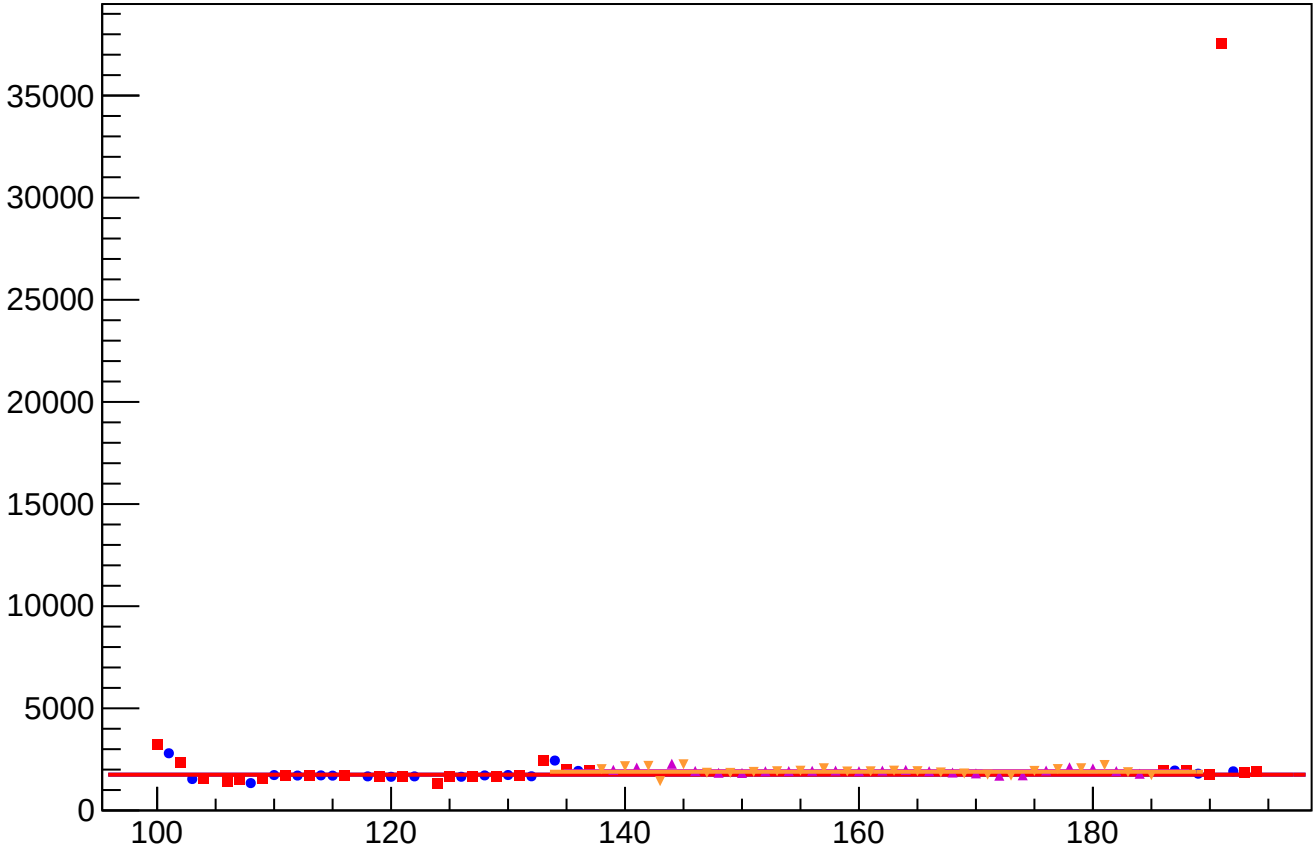
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1508.735+/-349.795 χ^2/NDF: 57.1/43

All: -560.110+/-246.204 χ^2/NDF: 165.4/91

- sign -2591.321+/-346.599 χ^2/NDF: 39.0/47

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: 1751.427+/-0.384 χ^2/NDF: 497153.5/24

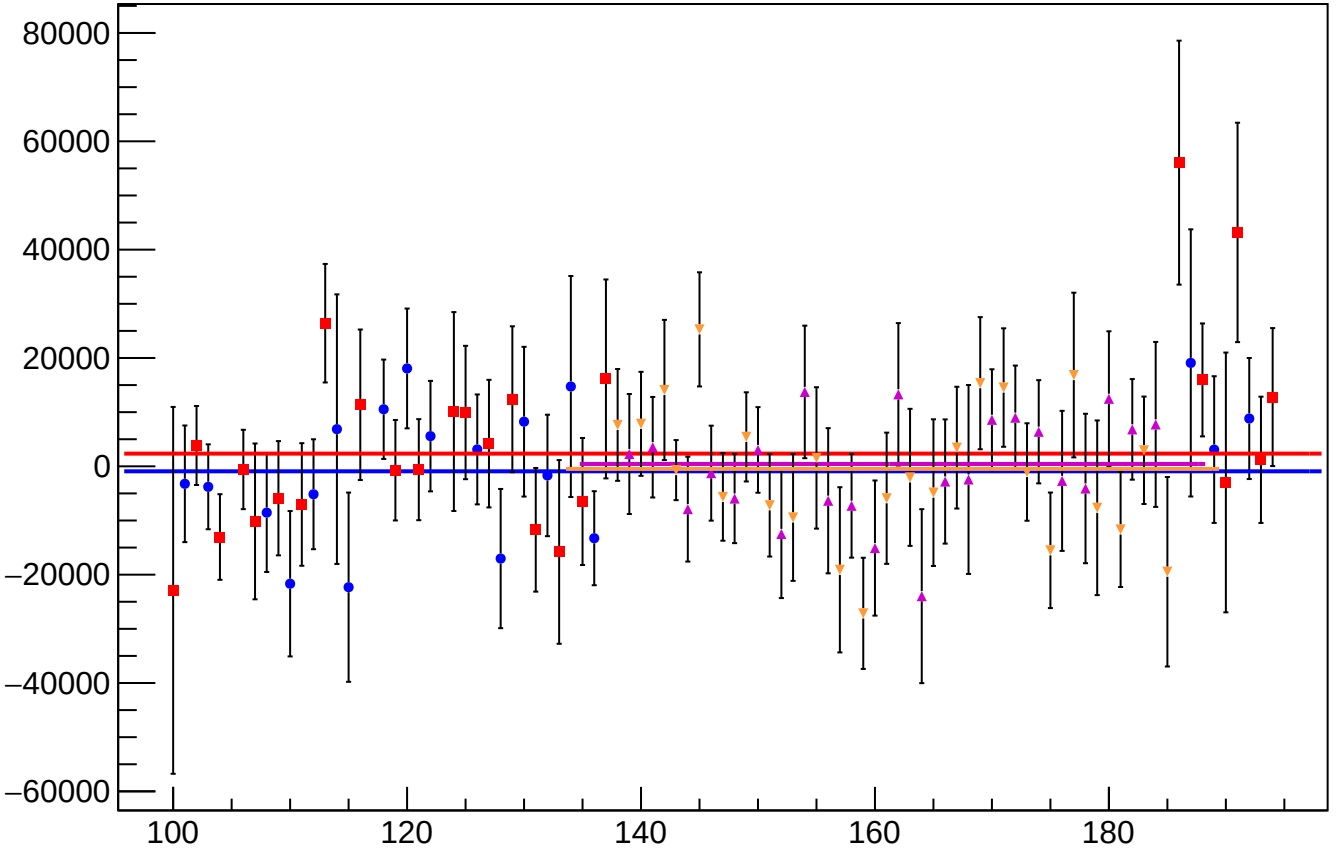
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1845.121+/-0.247 χ^2/NDF: 831898.5/43

All: 1849.127+/-0.174 χ^2/NDF: 1598981.8/91

- sign 1853.060+/-0.245 χ^2/NDF: 766563.5/47

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: 2346.279+/-2323.909 χ^2/NDF: 29.2/24

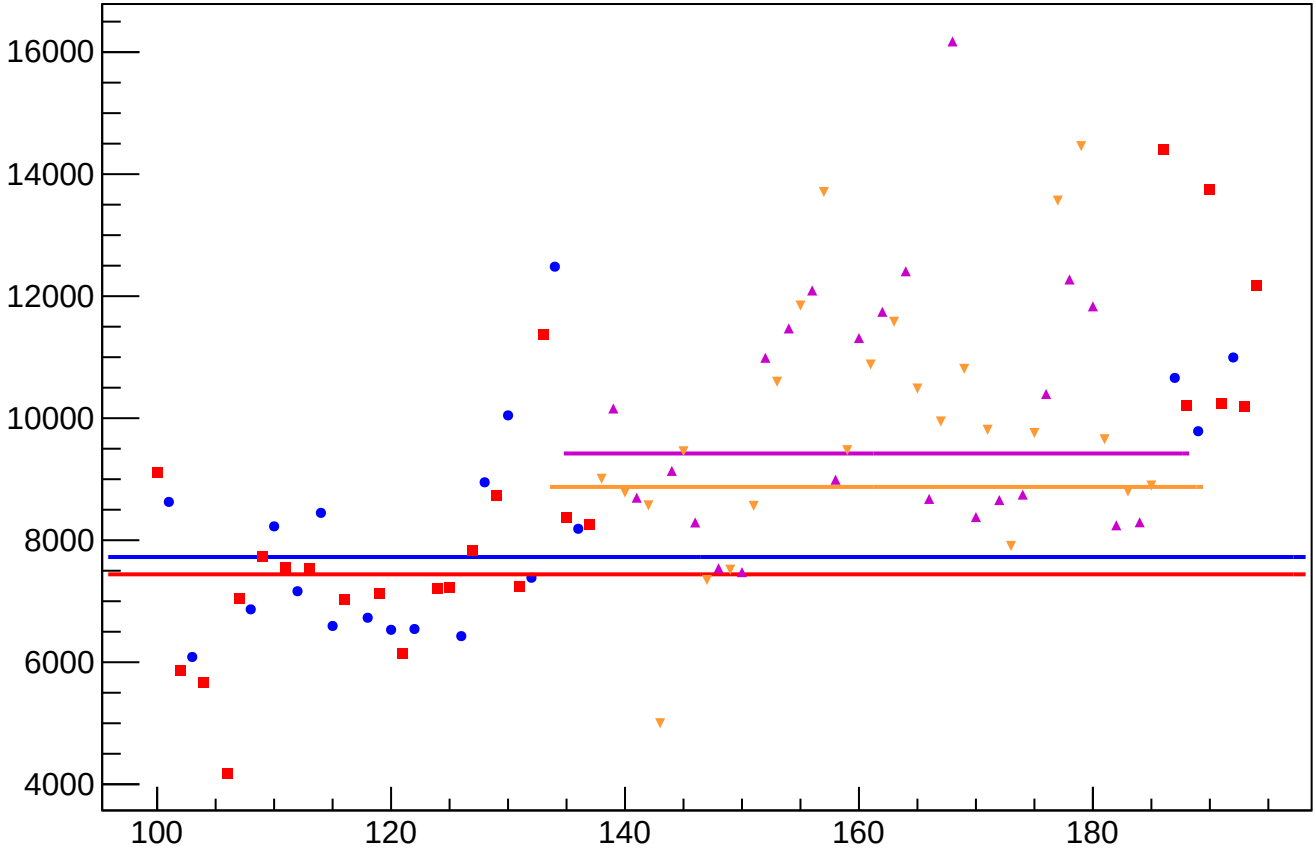
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -647.972+/-1639.757 χ^2/NDF: 44.9/43

All: 370.766+/-1150.521 χ^2/NDF: 88.7/91

- sign 1358.604+/-1614.697 χ^2/NDF: 43.1/47

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: 7440.746+/-1.643 χ^2/NDF: 1686446.1/24

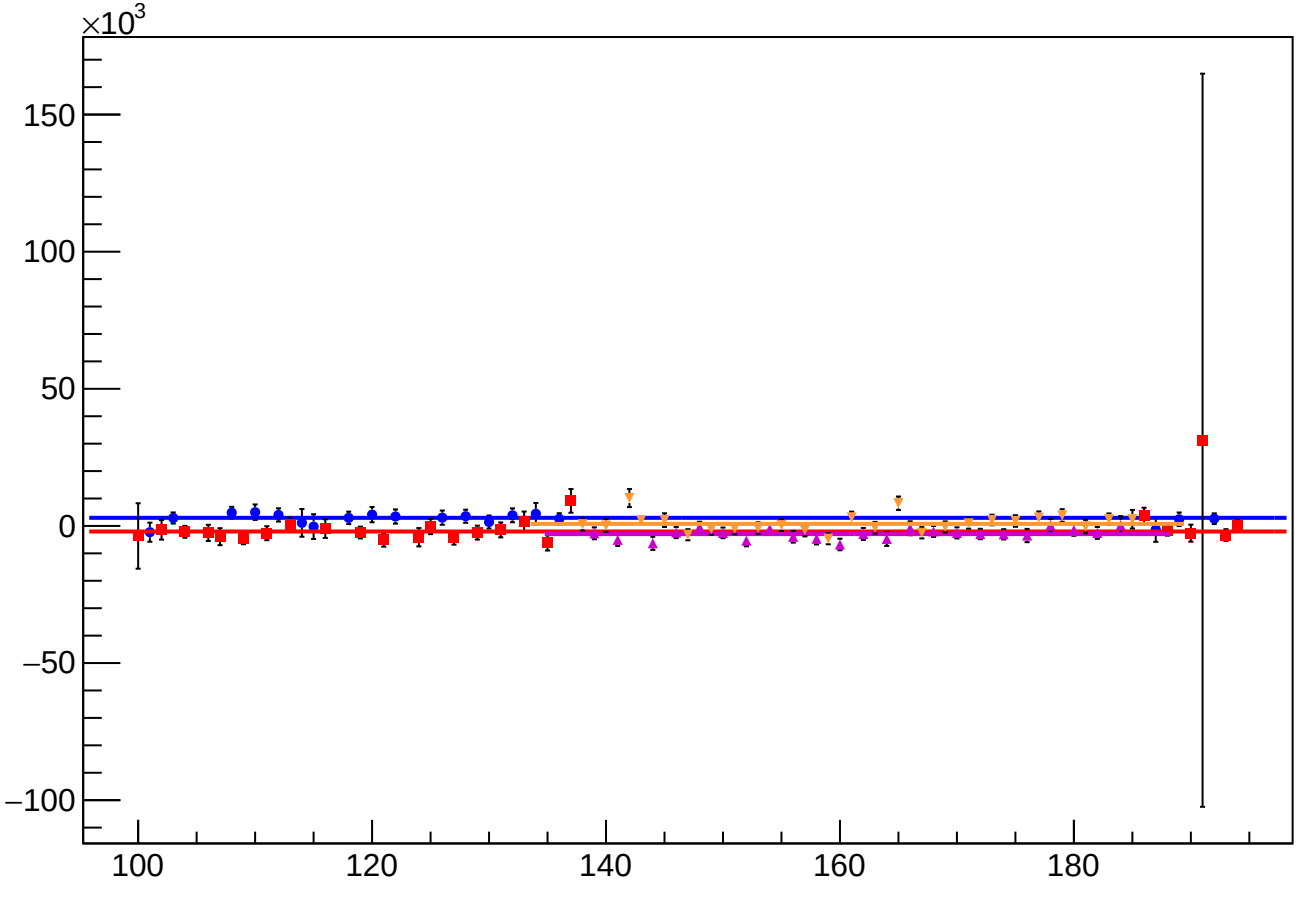
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8432.393+/-1.159 χ^2/NDF: 3111424.3/43

All: 8449.125+/-0.814 χ^2/NDF: 6754793.2/91

- sign 8465.350+/-1.142 χ^2/NDF: 3642958.7/47

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: -2027.654+/-542.858 χ^2/NDF: 21.6/24

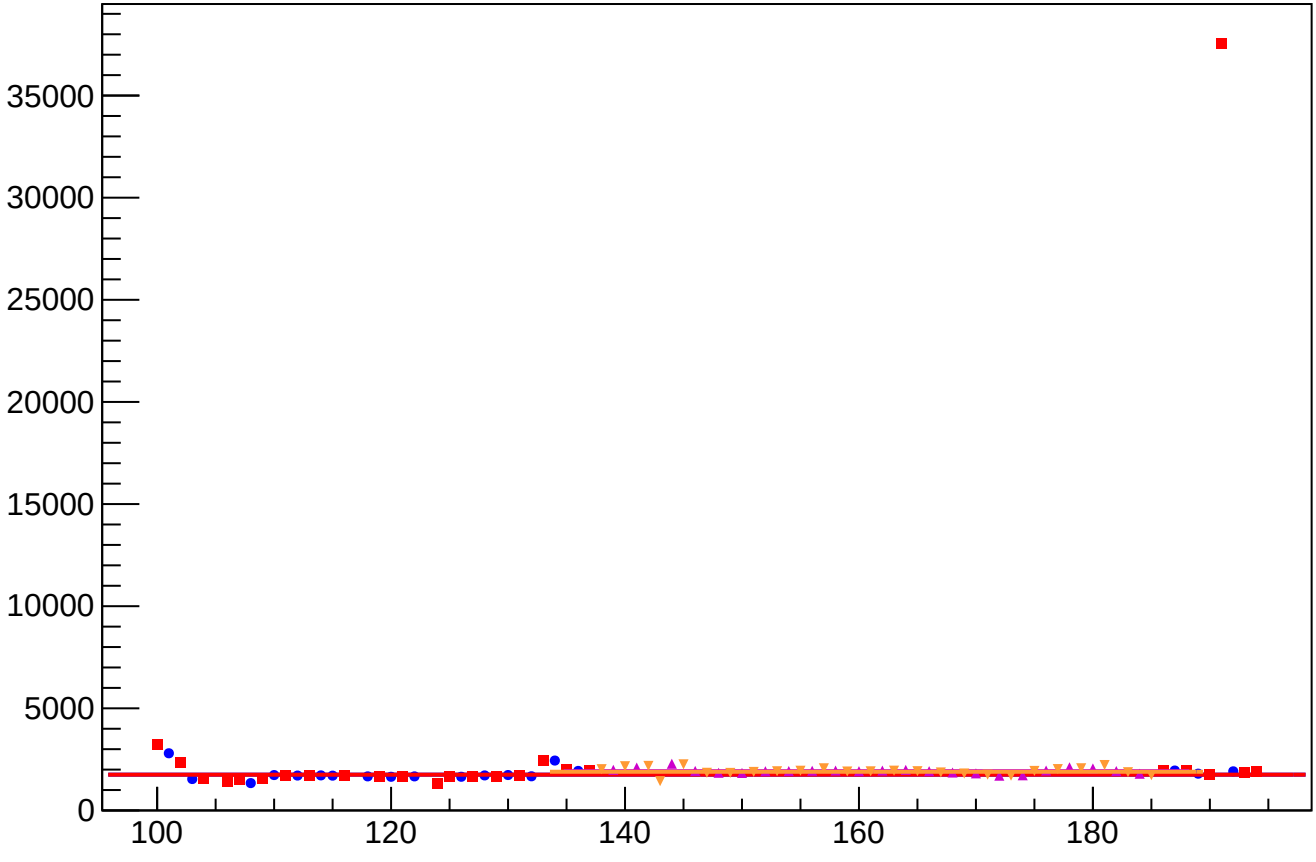
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1508.730+/-349.795 χ^2/NDF: 57.1/43

All: -560.113+/-246.205 χ^2/NDF: 165.4/91

- sign -2591.323+/-346.599 χ^2/NDF: 39.0/47

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: 1751.427+/-0.384 χ^2/NDF: 497154.0/24

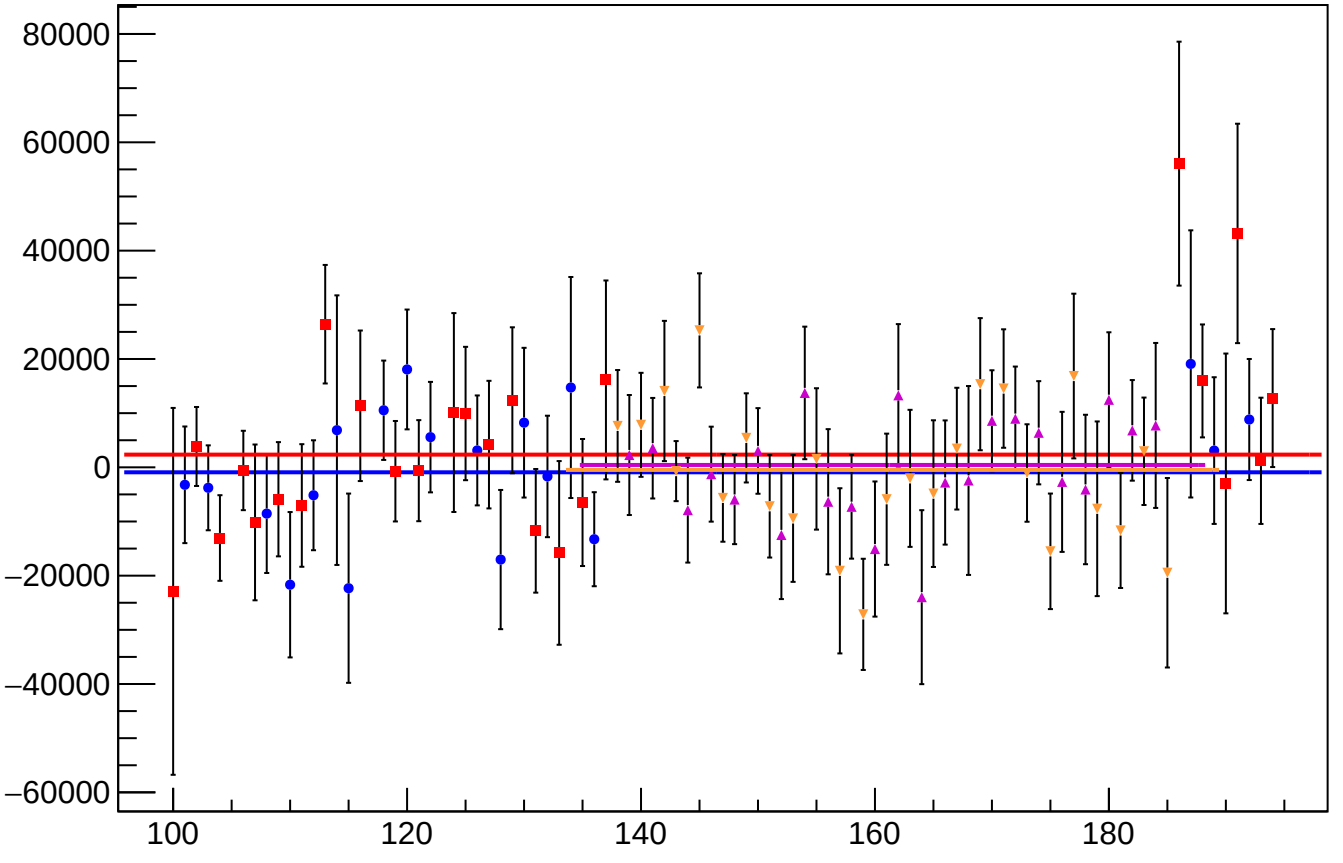
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1845.123+/-0.247 χ^2/NDF: 831909.8/43

All: 1849.129+/-0.174 χ^2/NDF: 1599005.9/91

- sign 1853.061+/-0.245 χ^2/NDF: 766576.2/47

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -918.479+/-2646.160 χ^2/NDF: 16.0/18

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: 2346.264+/-2323.905 χ^2/NDF: 29.2/24

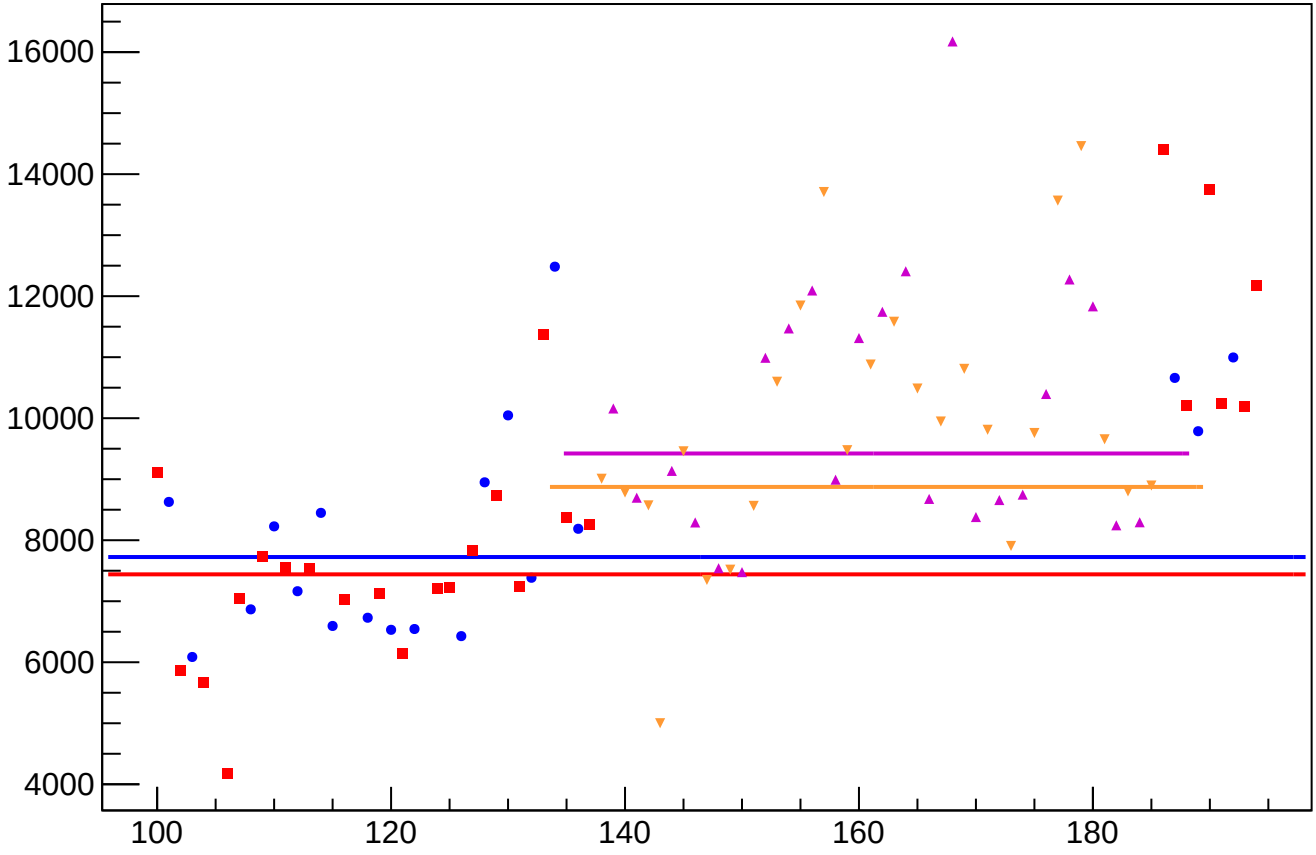
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -647.971+/-1639.758 χ^2/NDF: 44.9/43

All: 370.766+/-1150.521 χ^2/NDF: 88.7/91

- sign 1358.602+/-1614.697 χ^2/NDF: 43.1/47

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7724.603+/-1.871 χ^2/NDF: 675907.9/18

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

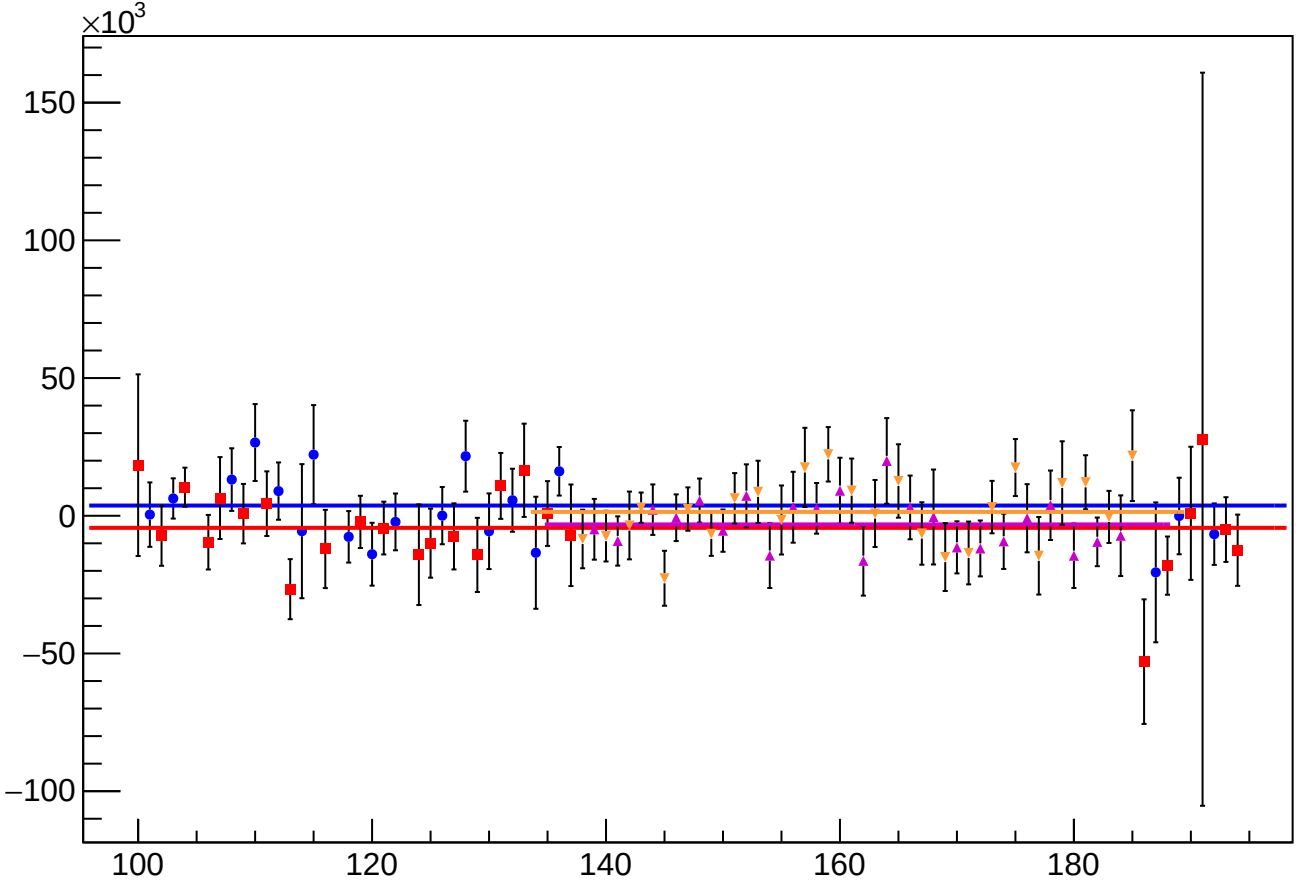
Right Out: 7440.732+/-1.643 χ^2/NDF: 1686453.5/24

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8432.394+/-1.159 χ^2/NDF: 3111445.6/43

All: 8449.124+/-0.814 χ^2/NDF: 6754847.1/91

- sign 8465.348+/-1.142 χ^2/NDF: 3642991.4/47



Right In: 3711.746+/-2675.366 χ^2/NDF: 16.3/18

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -4385.440+/-2472.832 χ^2/NDF: 22.2/24

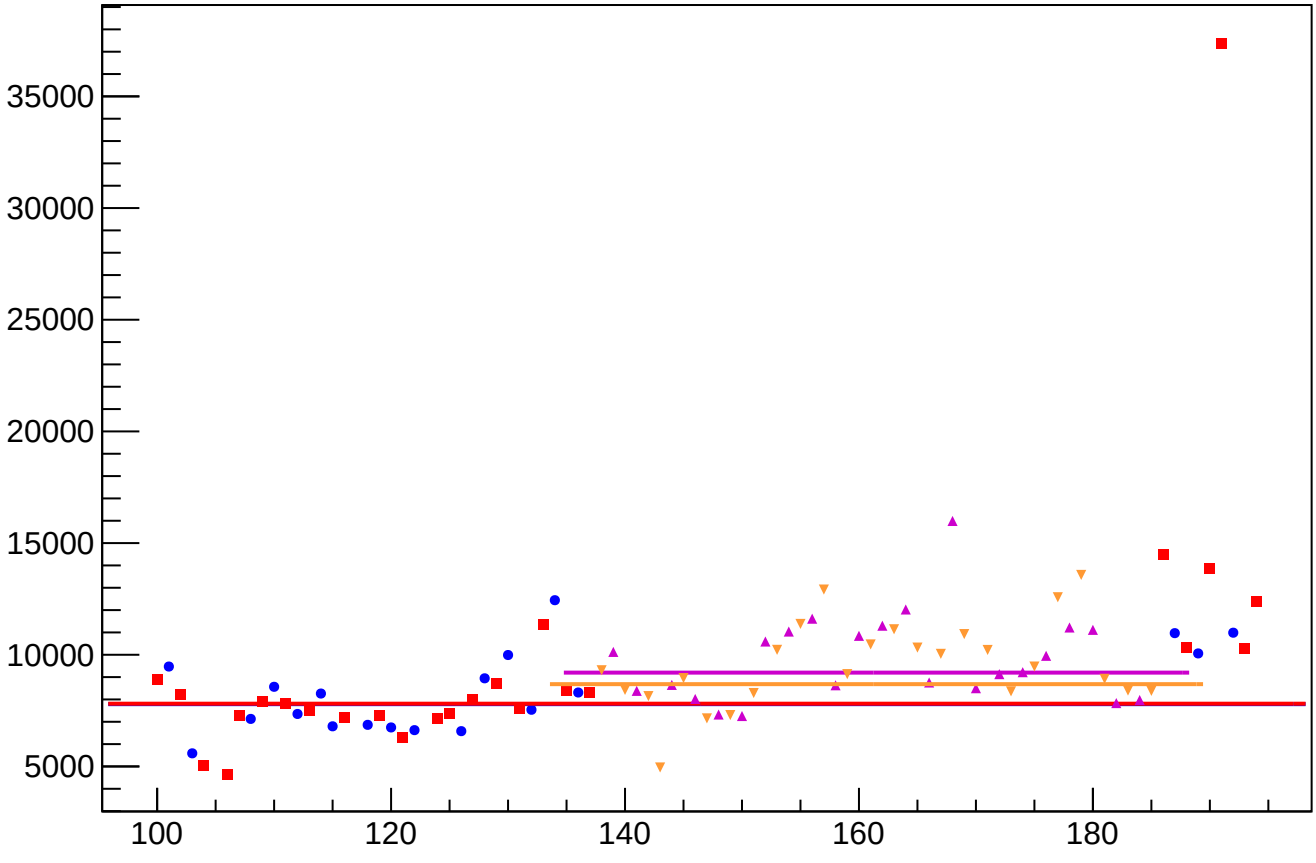
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2255.144+/-1622.159 χ^2/NDF: 44.3/43

All: -684.722+/-1153.037 χ^2/NDF: 86.2/91

- sign -3686.890+/-1639.257 χ^2/NDF: 35.3/47

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: 7809.325+/-1.748 χ^2/NDF: 1540102.9/24

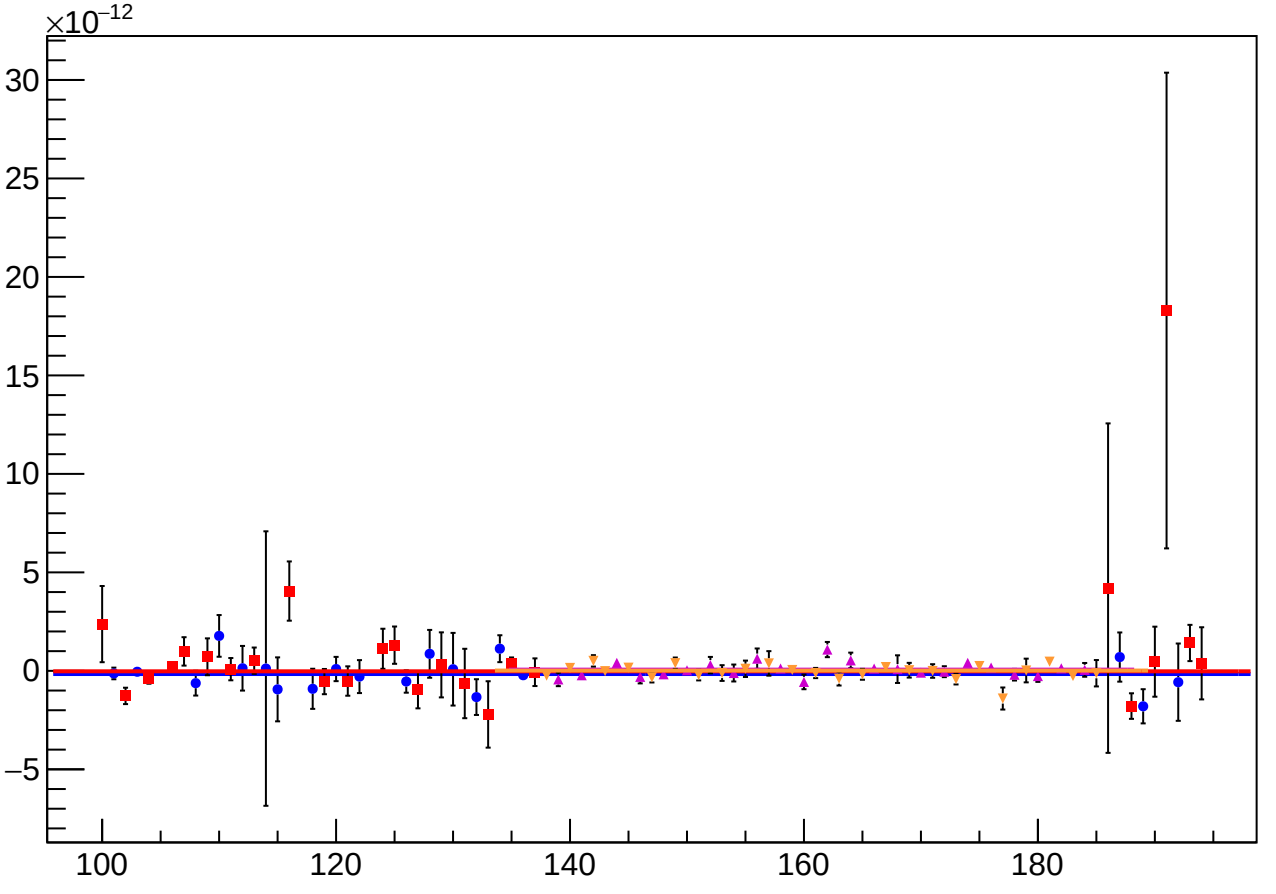
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8355.330+/-1.147 χ^2/NDF: 2957560.4/43

All: 8471.078+/-0.815 χ^2/NDF: 6002676.4/91

- sign 8589.273+/-1.159 χ^2/NDF: 3024534.8/47

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

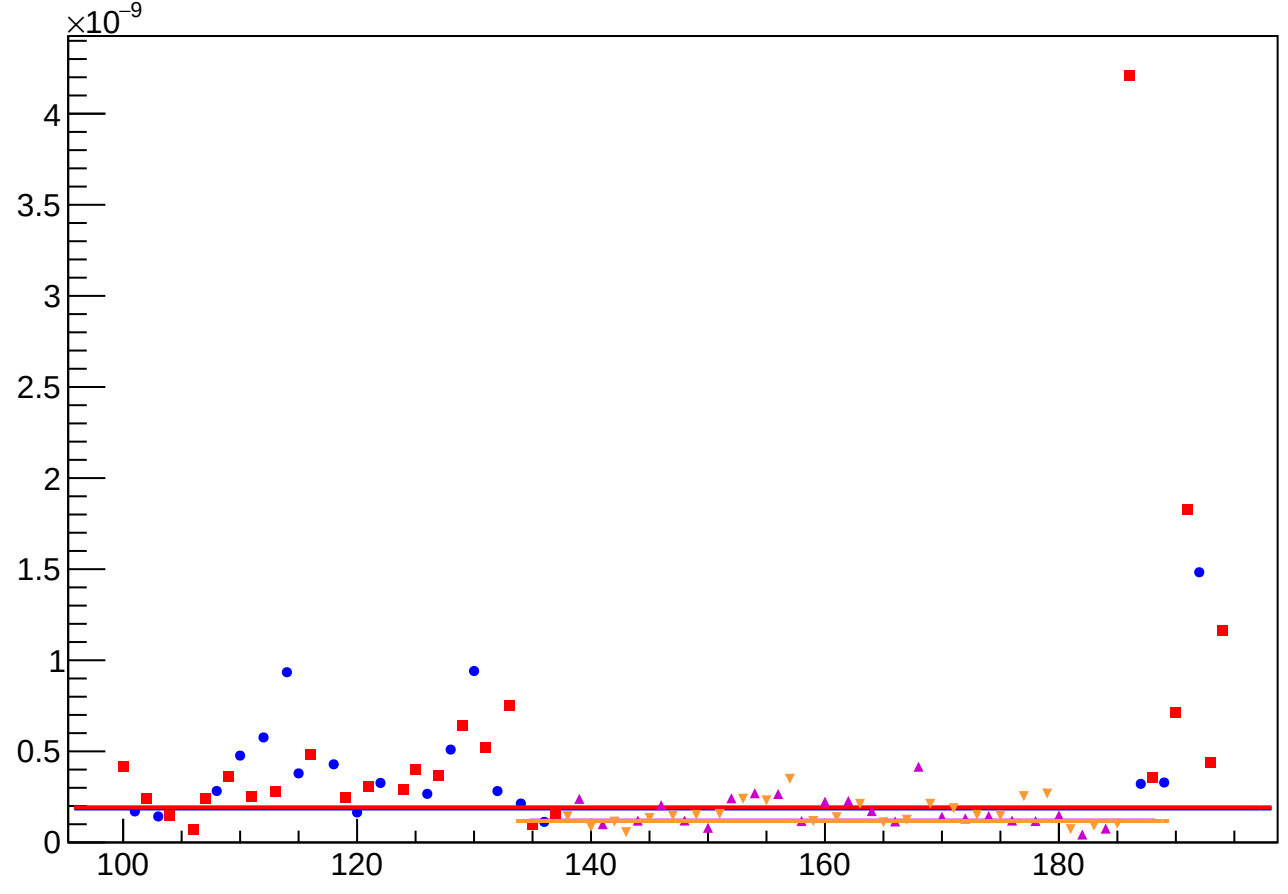
Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/24

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: 120.8/91

- sign 0.000+/-0.000 χ^2/NDF: 73.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 2491311.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3185257.8/24

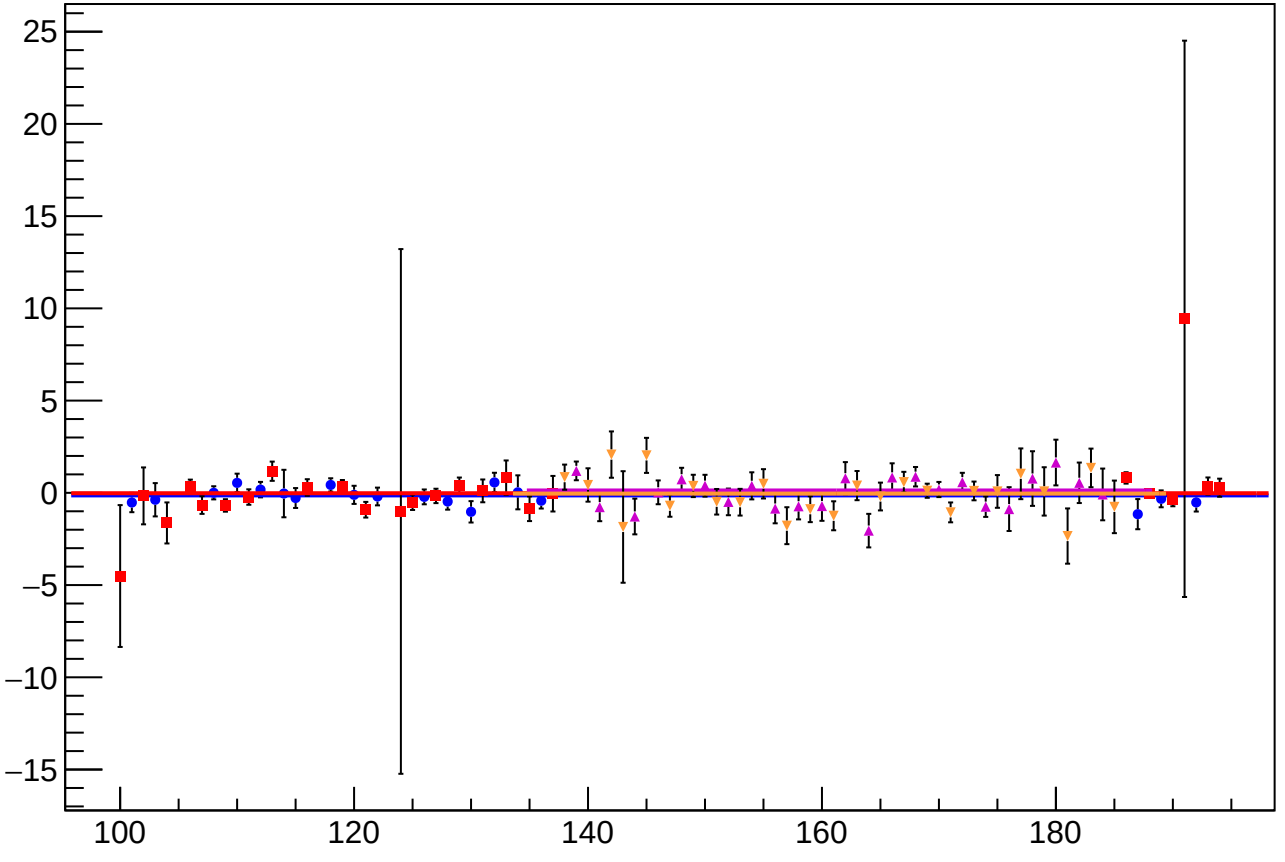
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5406253.8/43

All: 0.000+/-0.000 χ^2/NDF: 11885227.9/91

- sign 0.000+/-0.000 χ^2/NDF: 6472653.4/47

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: -0.021+/-0.087 χ^2/NDF: 35.9/24

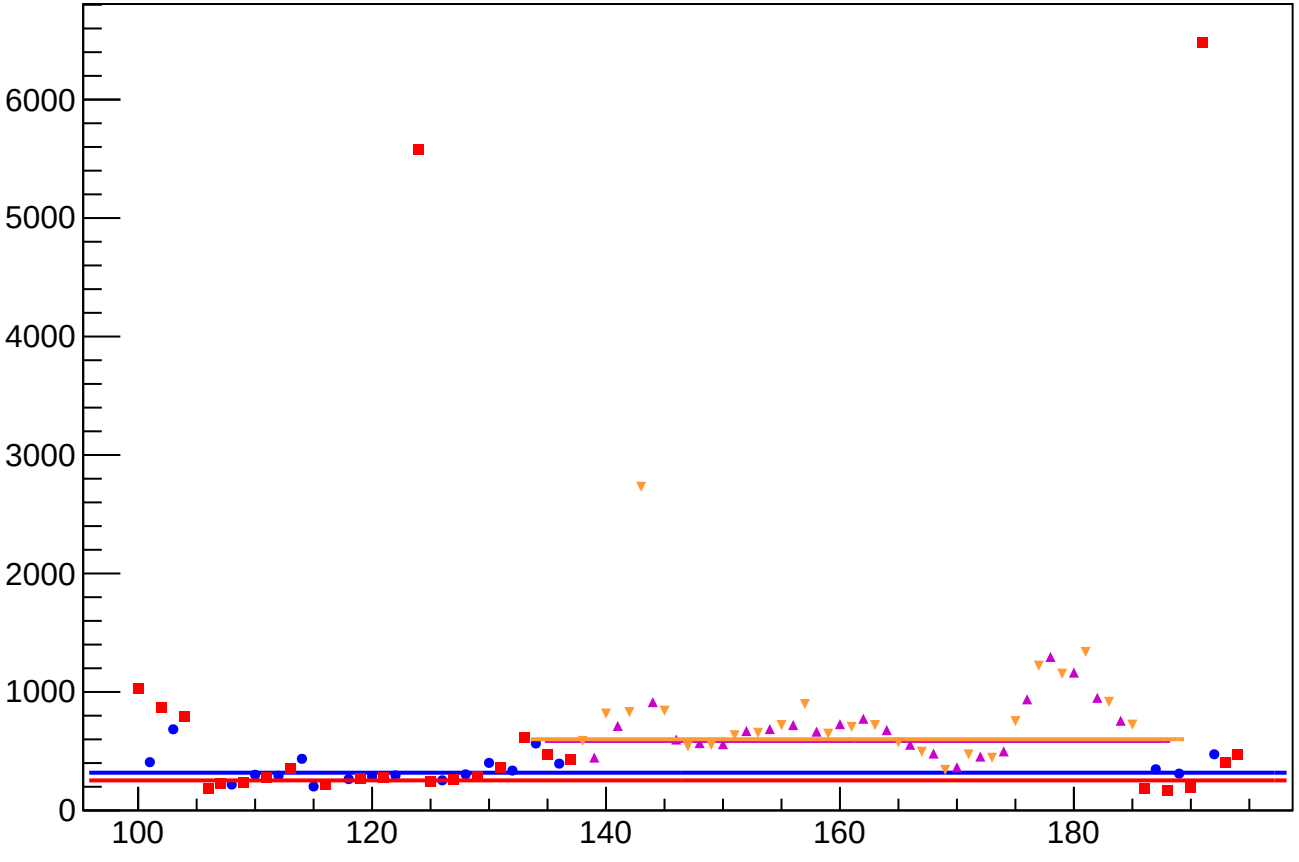
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.103+/-0.090 χ^2/NDF: 43.7/43

All: -0.031+/-0.058 χ^2/NDF: 110.5/91

- sign 0.019+/-0.075 χ^2/NDF: 65.7/47

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: 253.629+/-0.062 χ^2/NDF: 3563438.6/24

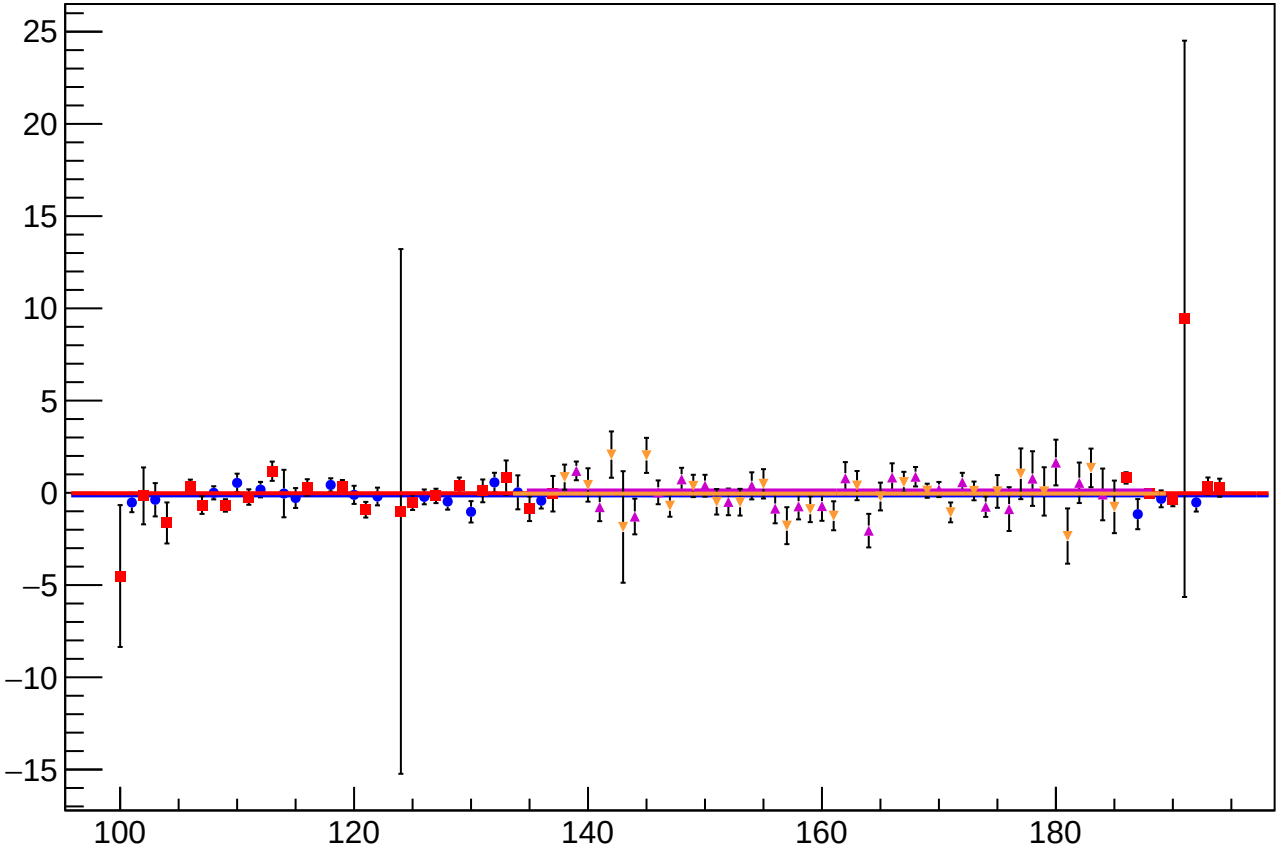
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 423.668+/-0.064 χ^2/NDF: 10299456.6/43

All: 375.551+/-0.041 χ^2/NDF: 25498567.3/91

- sign 342.203+/-0.053 χ^2/NDF: 14229639.2/47

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: -0.021+/-0.087 χ^2/NDF: 35.9/24

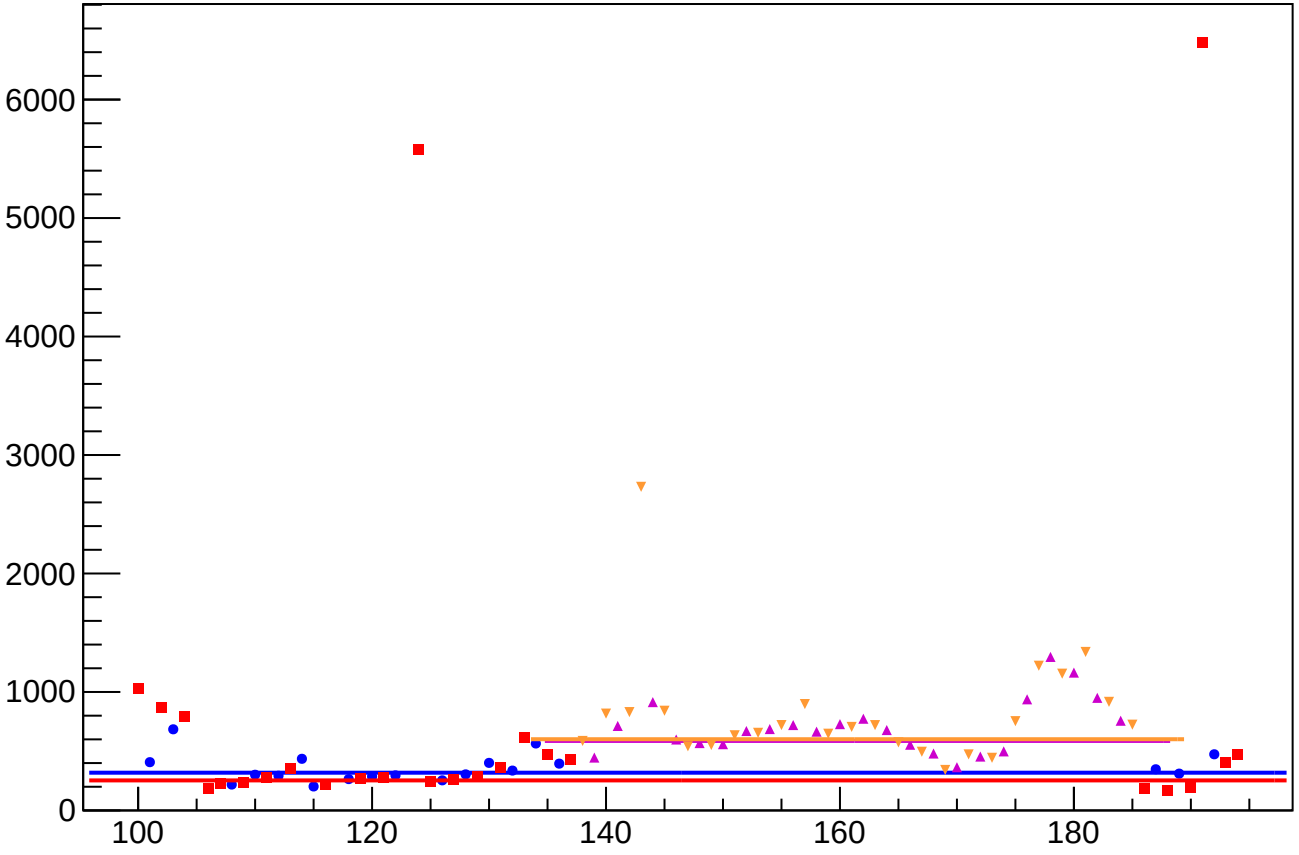
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.103+/-0.090 χ^2/NDF: 43.7/43

All: -0.031+/-0.058 χ^2/NDF: 110.5/91

- sign 0.019+/-0.075 χ^2/NDF: 65.7/47

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

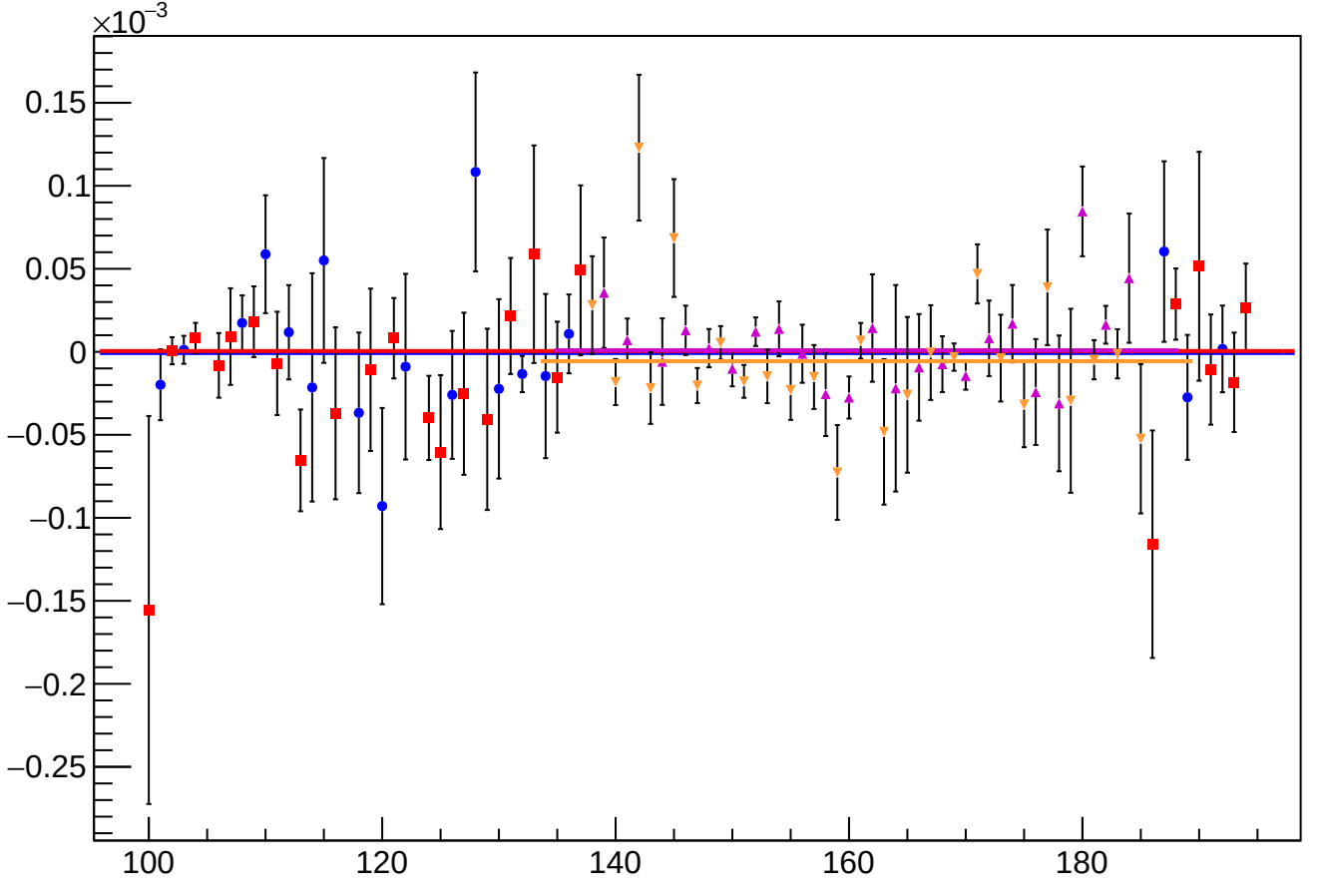
Right Out: 253.629+/-0.062 χ^2/NDF: 3563438.6/24

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 423.668+/-0.064 χ^2/NDF: 10299456.6/43

All: 375.551+/-0.041 χ^2/NDF: 25498567.3/91

- sign 342.203+/-0.053 χ^2/NDF: 14229639.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/24

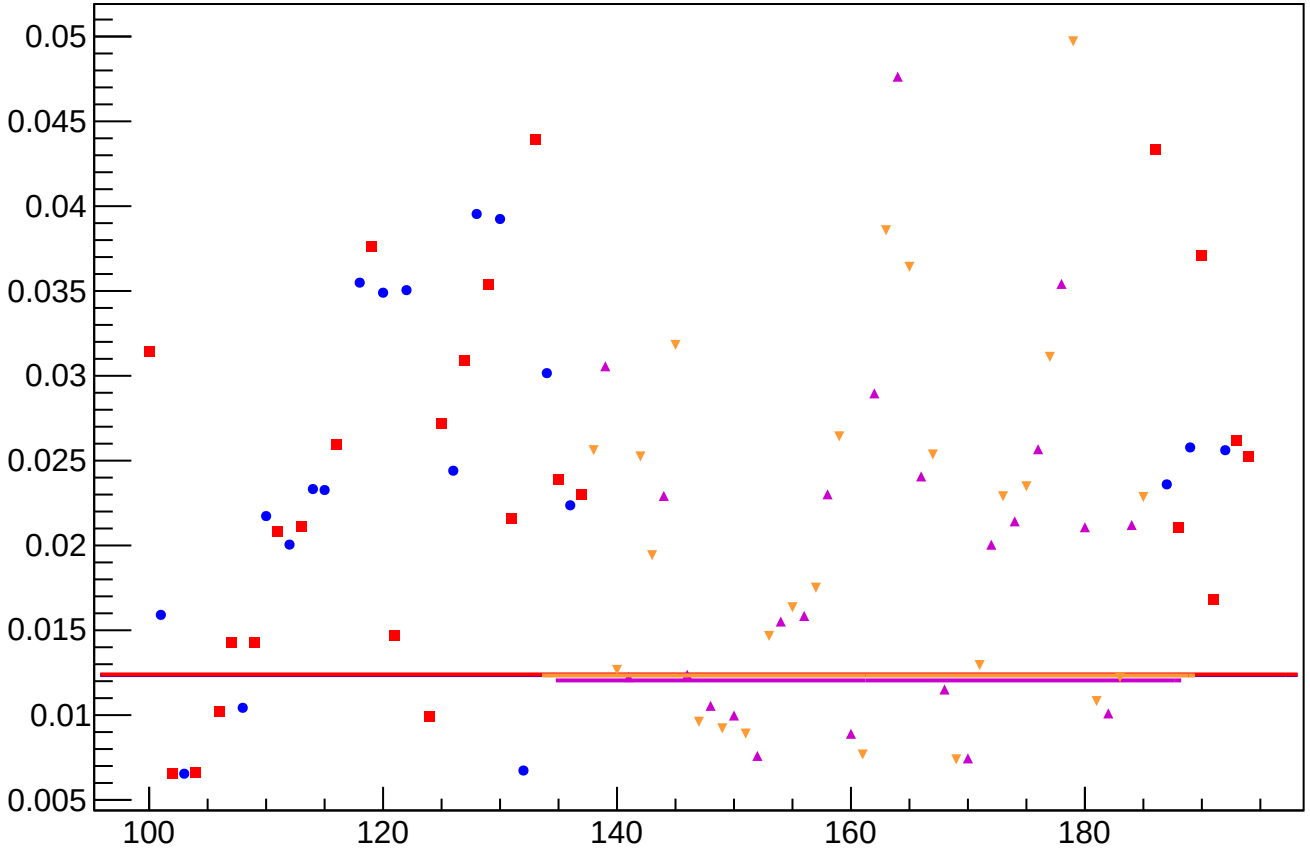
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.5/43

All: -0.000+/-0.000 χ^2/NDF: 114.4/91

- sign 0.000+/-0.000 χ^2/NDF: 53.1/47

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: 6619826.5/24

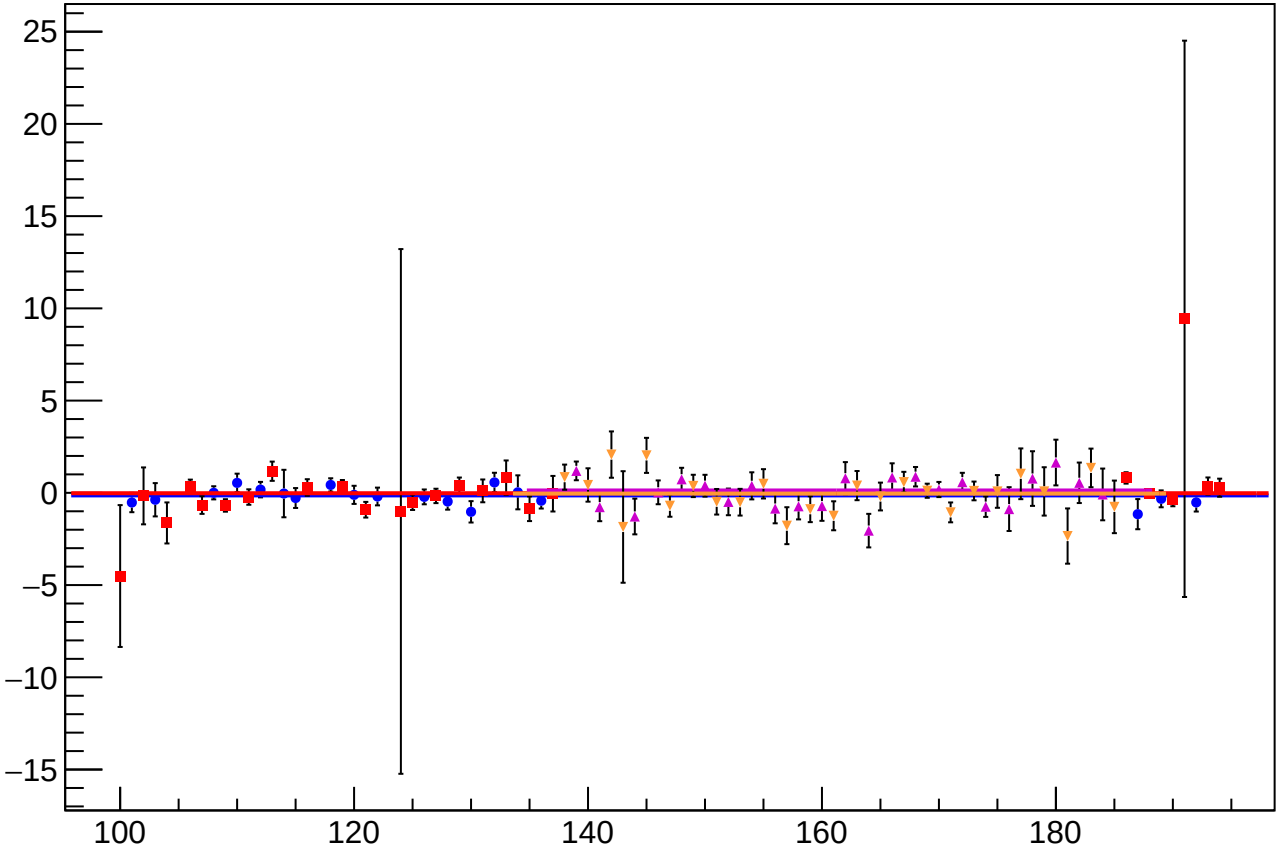
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 13454817.3/43

All: 0.012+/-0.000 χ^2/NDF: 26466340.2/91

- sign 0.012+/-0.000 χ^2/NDF: 13007075.1/47

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.139+/-0.113 χ^2/NDF: 13.3/18

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.021+/-0.087 χ^2/NDF: 35.9/24

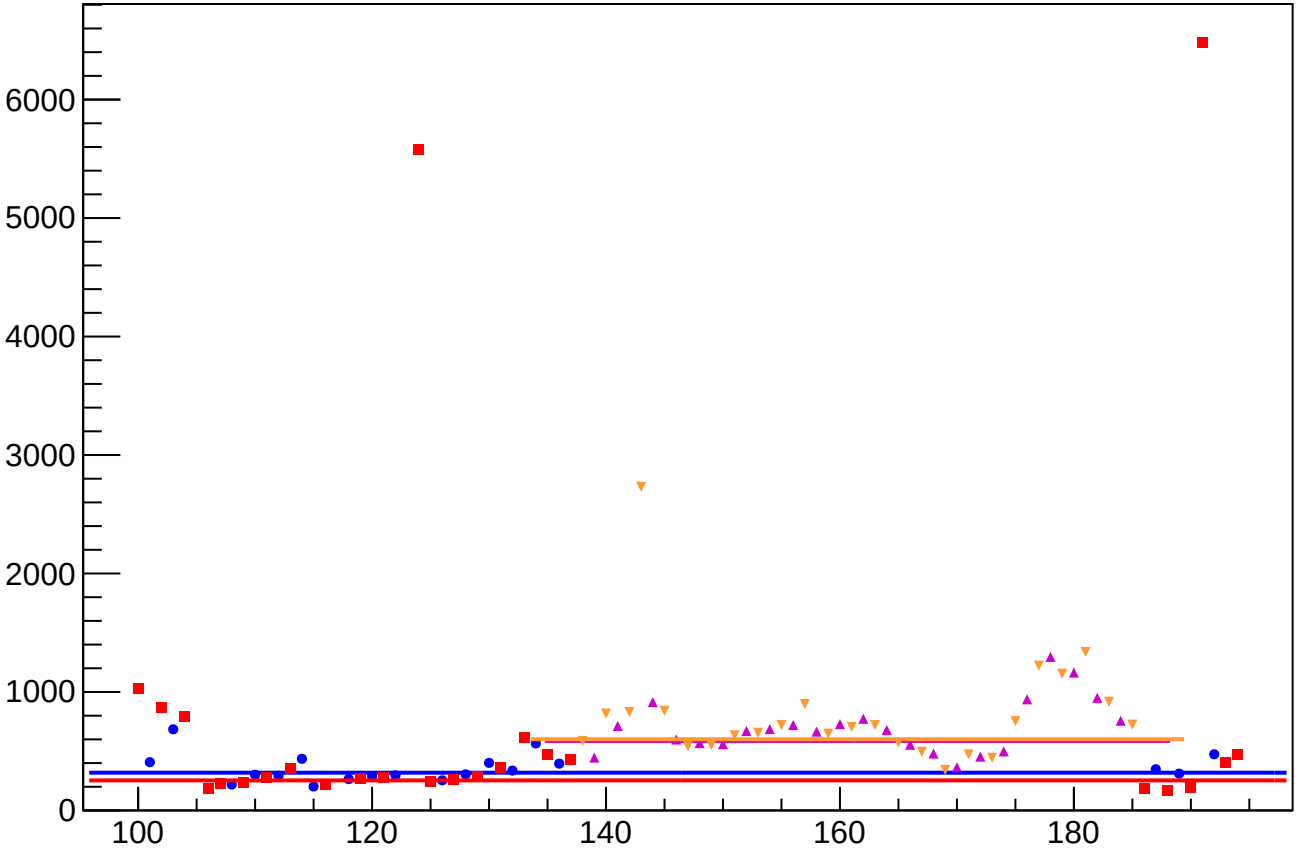
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.103+/-0.090 χ^2/NDF: 43.7/43

All: -0.031+/-0.058 χ^2/NDF: 110.5/91

- sign 0.019+/-0.075 χ^2/NDF: 65.7/47

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

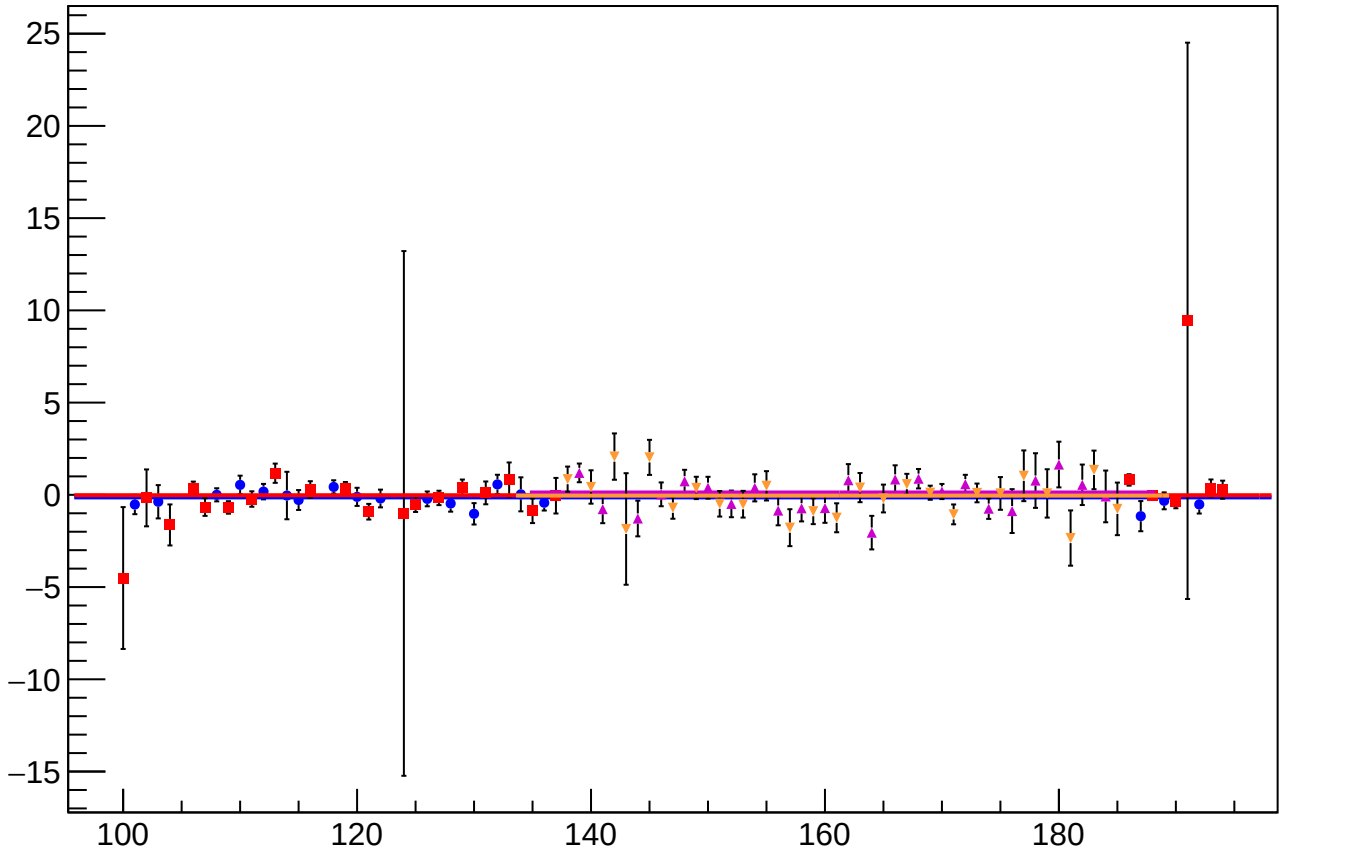
Right Out: 253.623+/-0.062 χ^2/NDF: 3563632.3/24

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 423.666+/-0.064 χ^2/NDF: 10299682.4/43

All: 375.545+/-0.041 χ^2/NDF: 25499723.4/91

- sign 342.195+/-0.053 χ^2/NDF: 14230417.2/47



Right In: -0.139+/-0.113 χ^2/NDF: 13.3/18

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

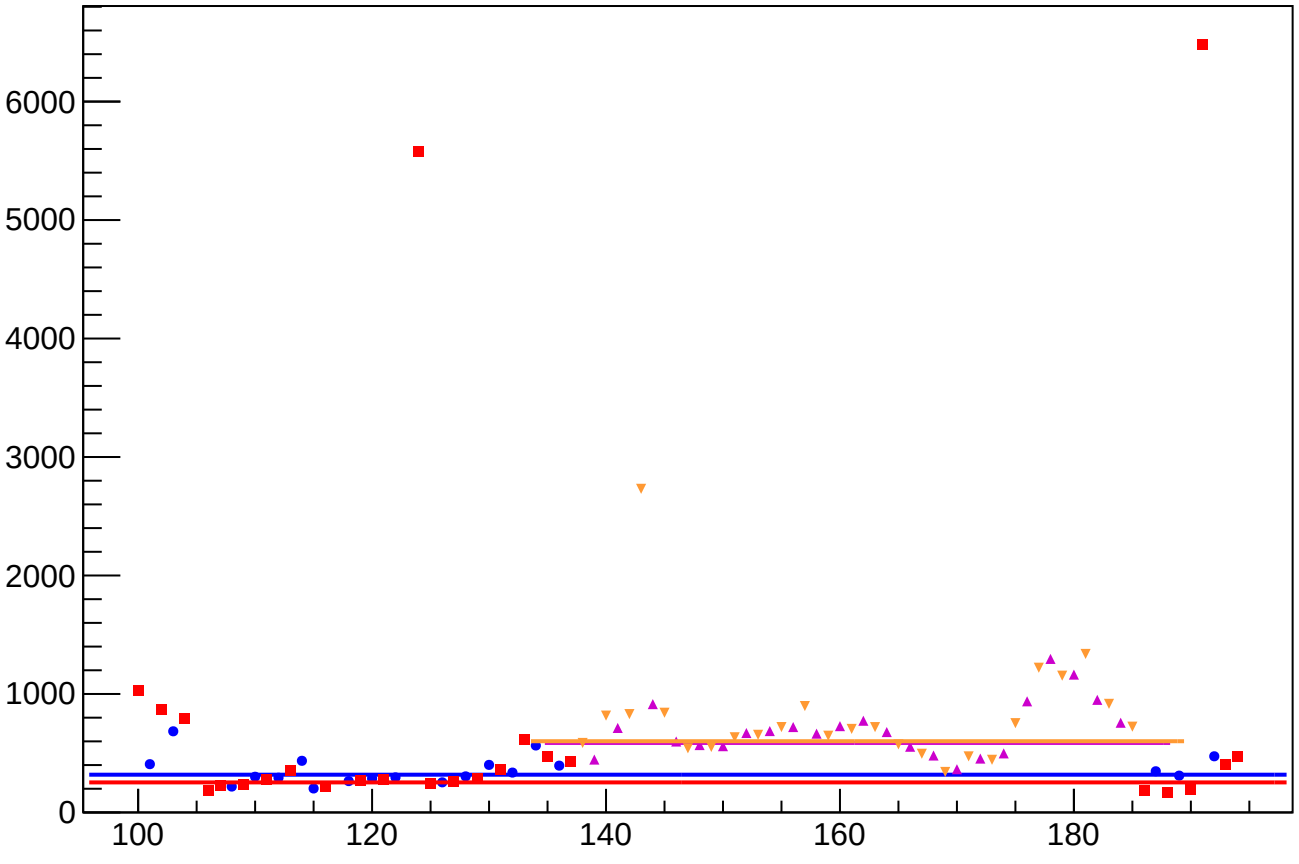
Right Out: -0.021+/-0.087 χ^2/NDF: 35.9/24

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.103+/-0.090 χ^2/NDF: 43.7/43

All: -0.031+/-0.058 χ^2/NDF: 110.5/91

- sign 0.019+/-0.075 χ^2/NDF: 65.7/47



Right In: 318.672+/-0.080 χ^2/NDF: 1228552.9/18

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 253.623+/-0.062 χ^2/NDF: 3563632.3/24

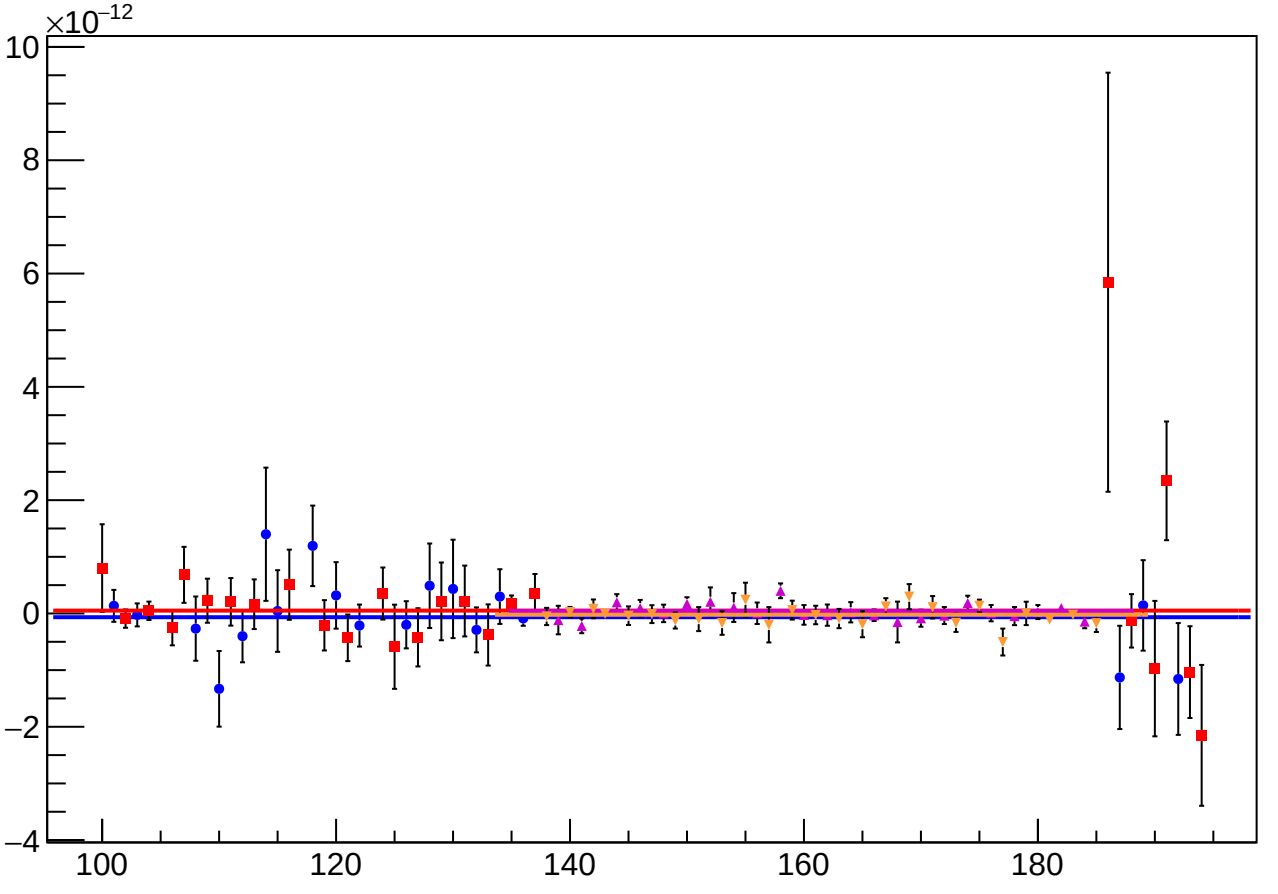
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 423.666+/-0.064 χ^2/NDF: 10299682.4/43

All: 375.545+/-0.041 χ^2/NDF: 25499723.4/91

- sign 342.195+/-0.053 χ^2/NDF: 14230417.2/47

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: 24.5/24

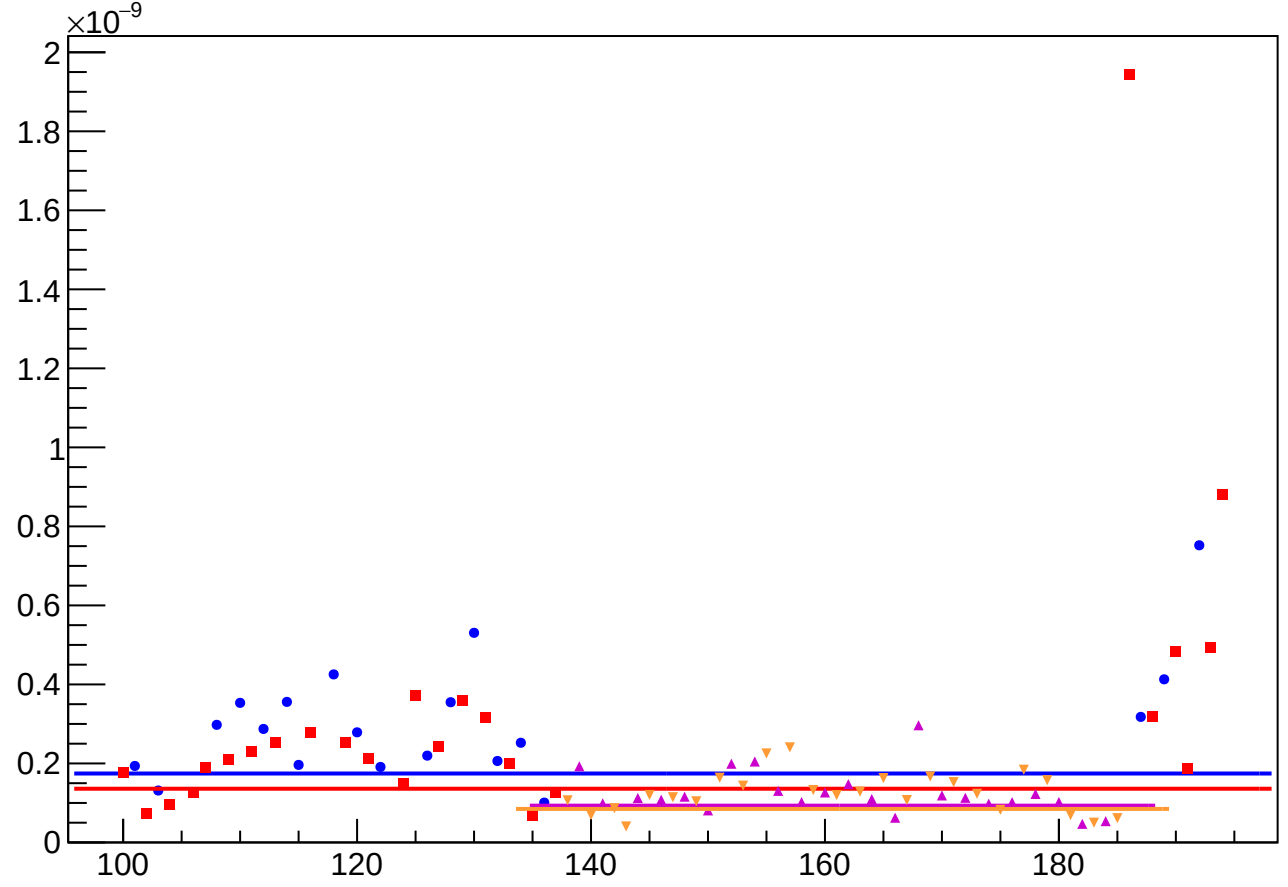
Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.2/43

All: 0.000+/-0.000 χ^2/NDF: 81.7/91

- sign 0.000+/-0.000 χ^2/NDF: 46.5/47

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: 4317839.9/24

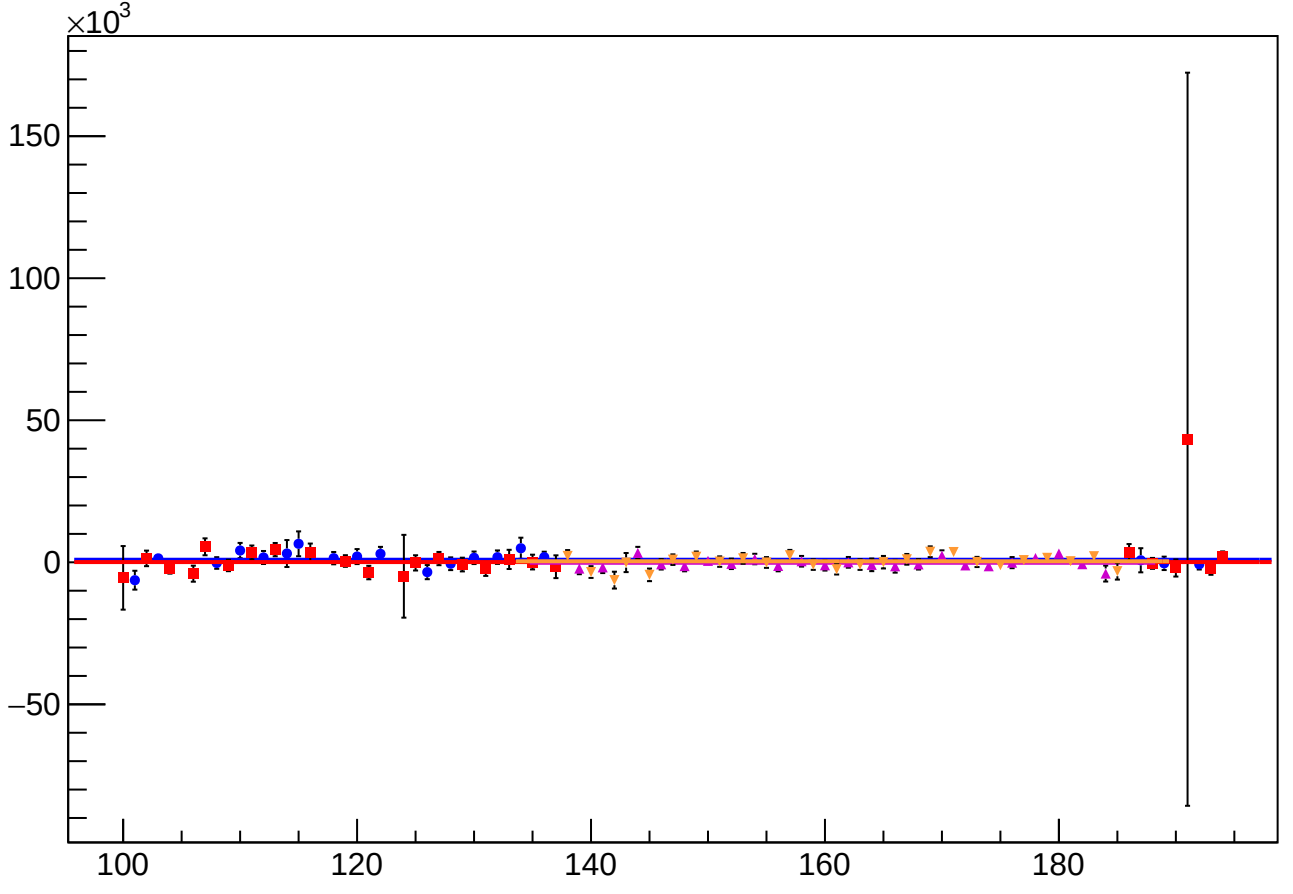
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10401334.0/43

All: 0.000+/-0.000 χ^2/NDF: 19317831.3/91

- sign 0.000+/-0.000 χ^2/NDF: 8851462.0/47

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: 81.032+/-514.712 χ^2/NDF: 22.8/24

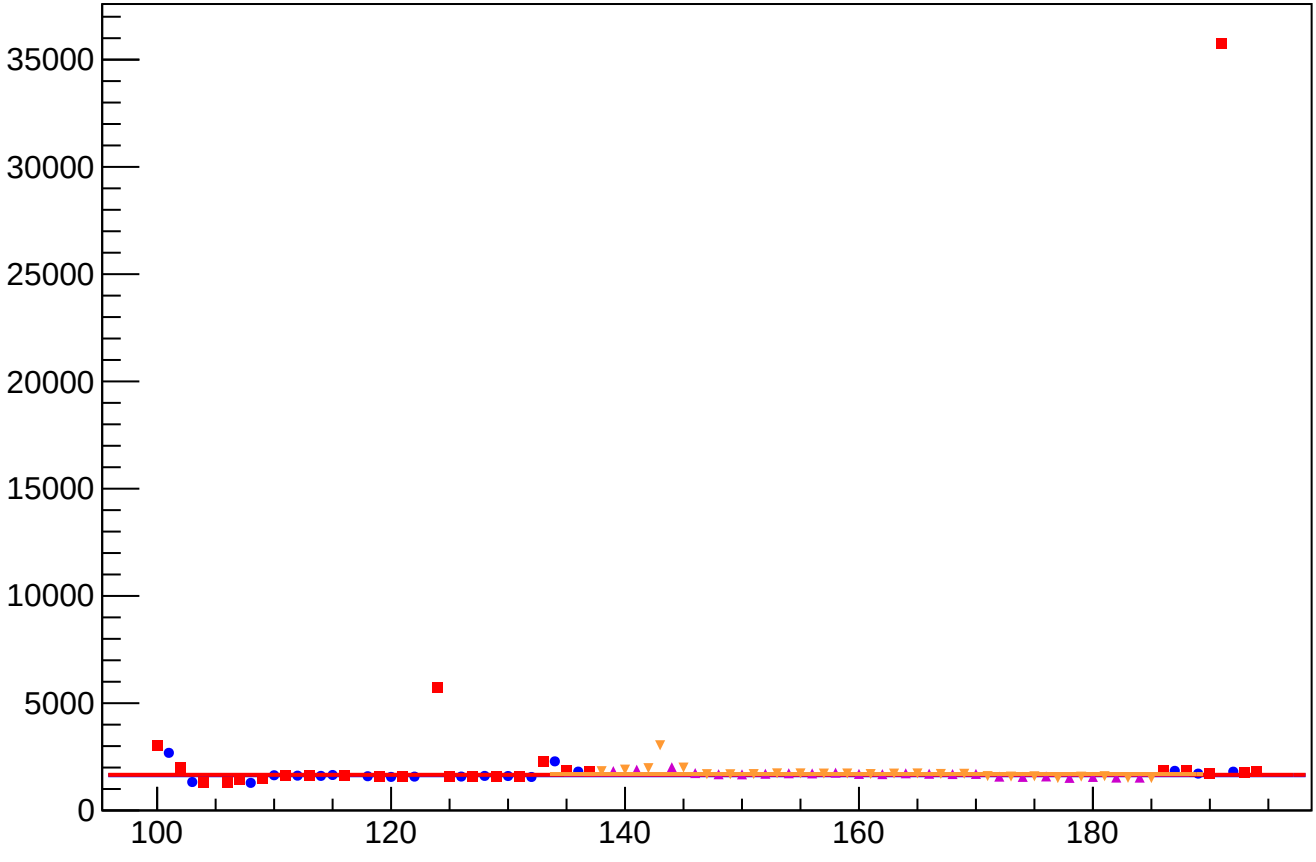
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 538.072+/-318.379 χ^2/NDF: 45.9/43

All: 229.354+/-223.198 χ^2/NDF: 86.7/91

- sign -69.001+/-312.989 χ^2/NDF: 39.0/47

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: 1661.982+/-0.364 χ^2/NDF: 645914.1/24

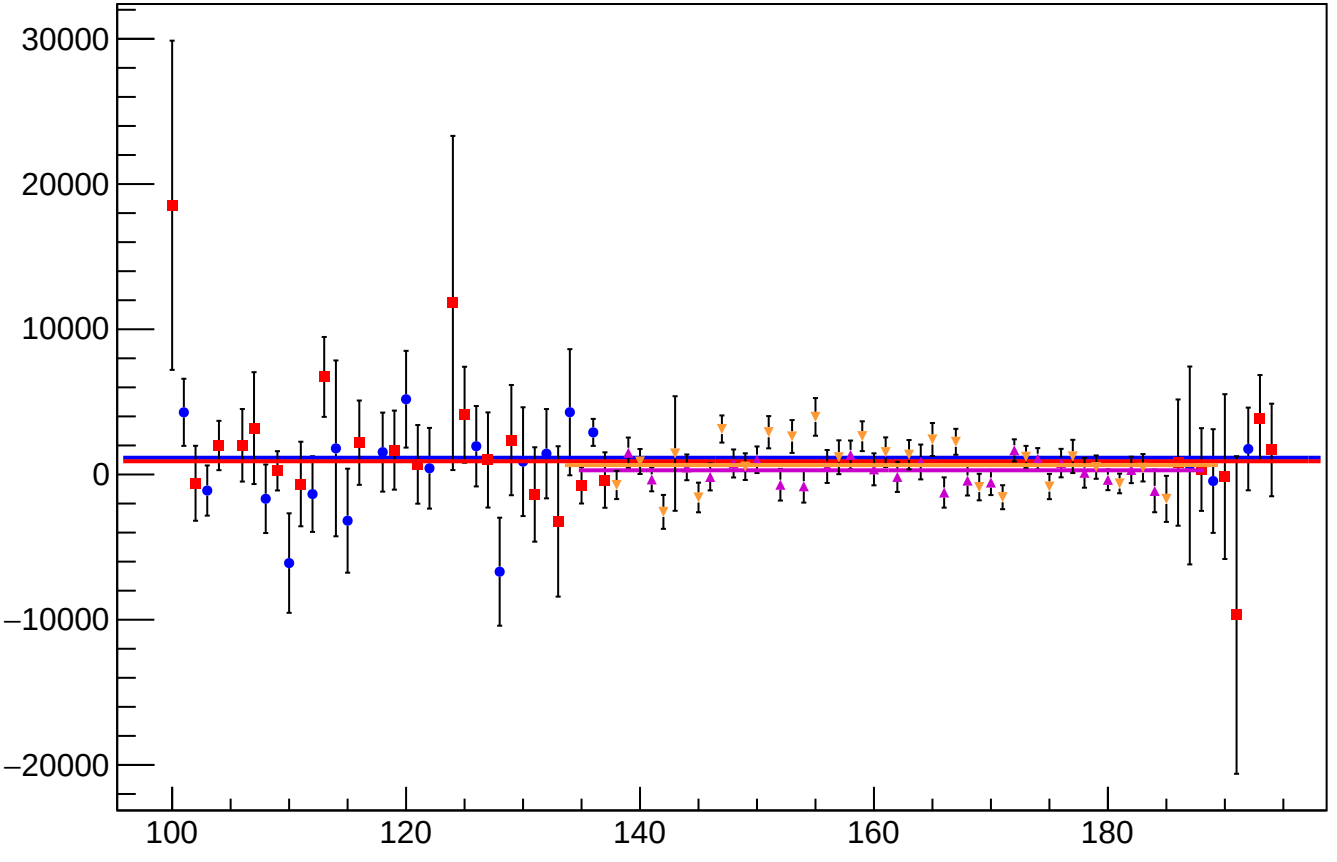
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1679.118+/-0.225 χ^2/NDF: 941122.0/43

All: 1677.645+/-0.158 χ^2/NDF: 1754904.8/91

- sign 1676.222+/-0.221 χ^2/NDF: 813698.7/47

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: 910.644+/-523.768 χ^2/NDF: 16.3/24

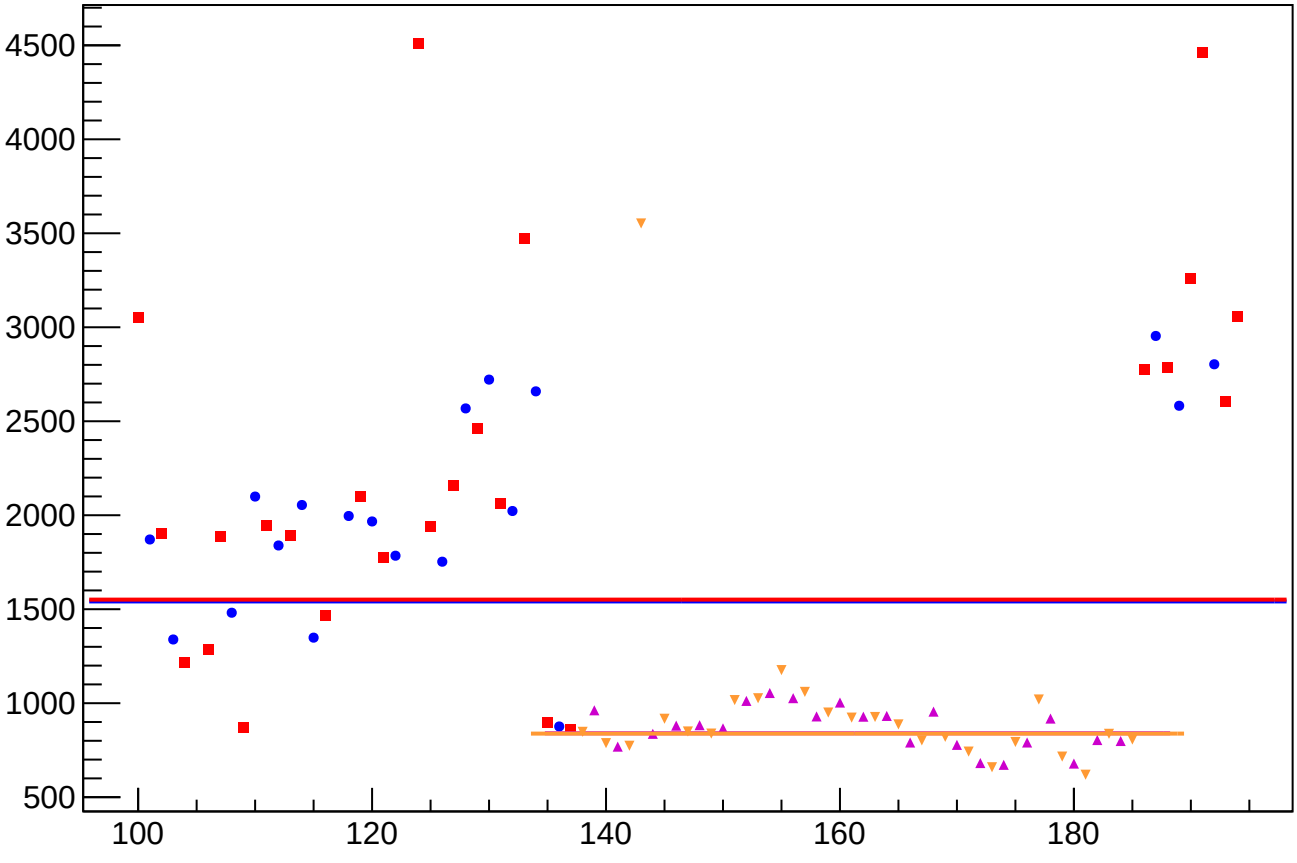
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

\+ sign 704.398+/-184.666 χ^2/NDF: 88.5/43

All: 536.428+/-130.912 χ^2/NDF: 124.3/91

\- sign 366.733+/-185.612 χ^2/NDF: 34.1/47

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: 1551.064+/-0.370 χ^2/NDF: 3884528.3/24

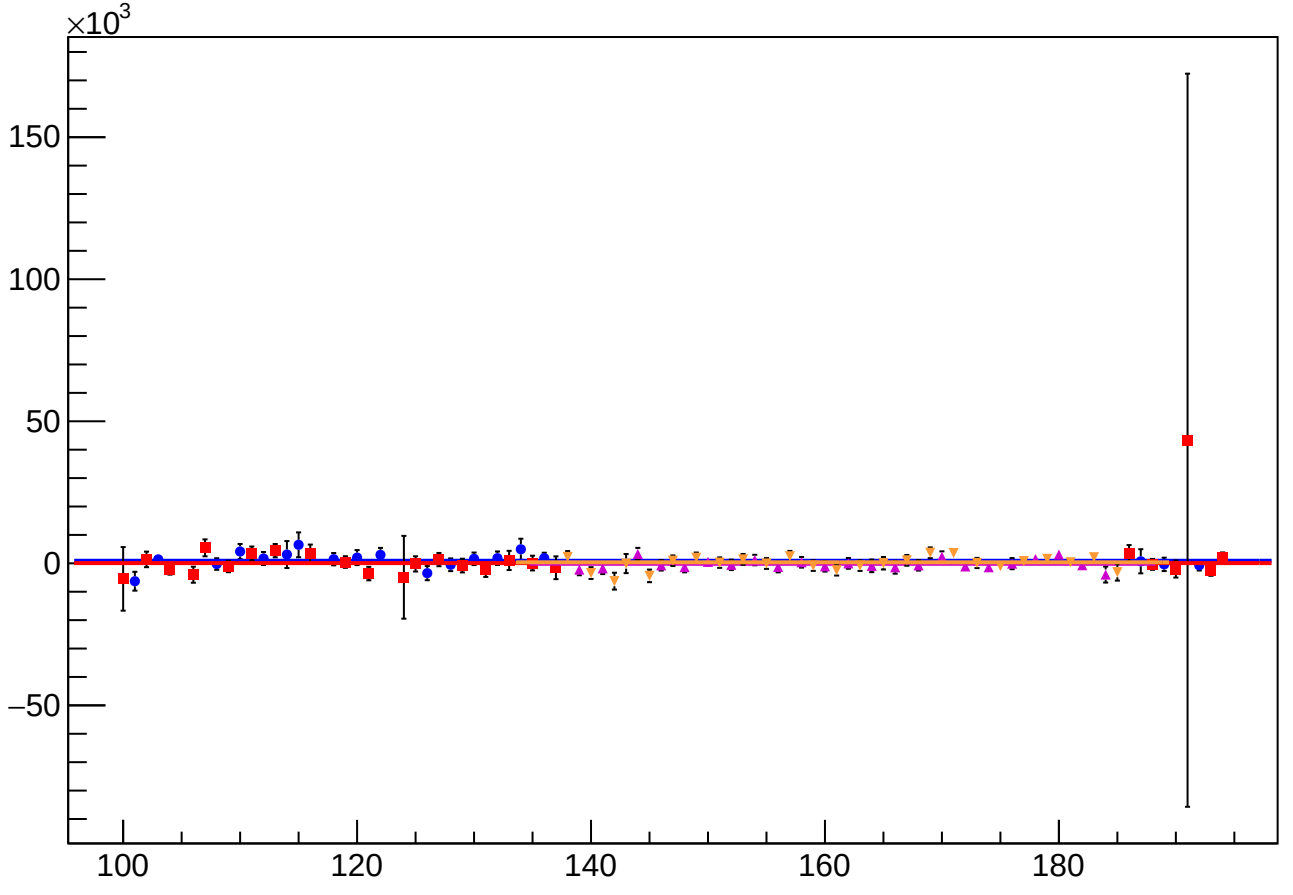
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 915.111+/-0.131 χ^2/NDF: 7111416.2/43

All: 922.158+/-0.093 χ^2/NDF: 14894558.2/91

- sign 929.277+/-0.131 χ^2/NDF: 7777287.4/47

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: 81.243+/-514.712 χ^2/NDF: 22.8/24

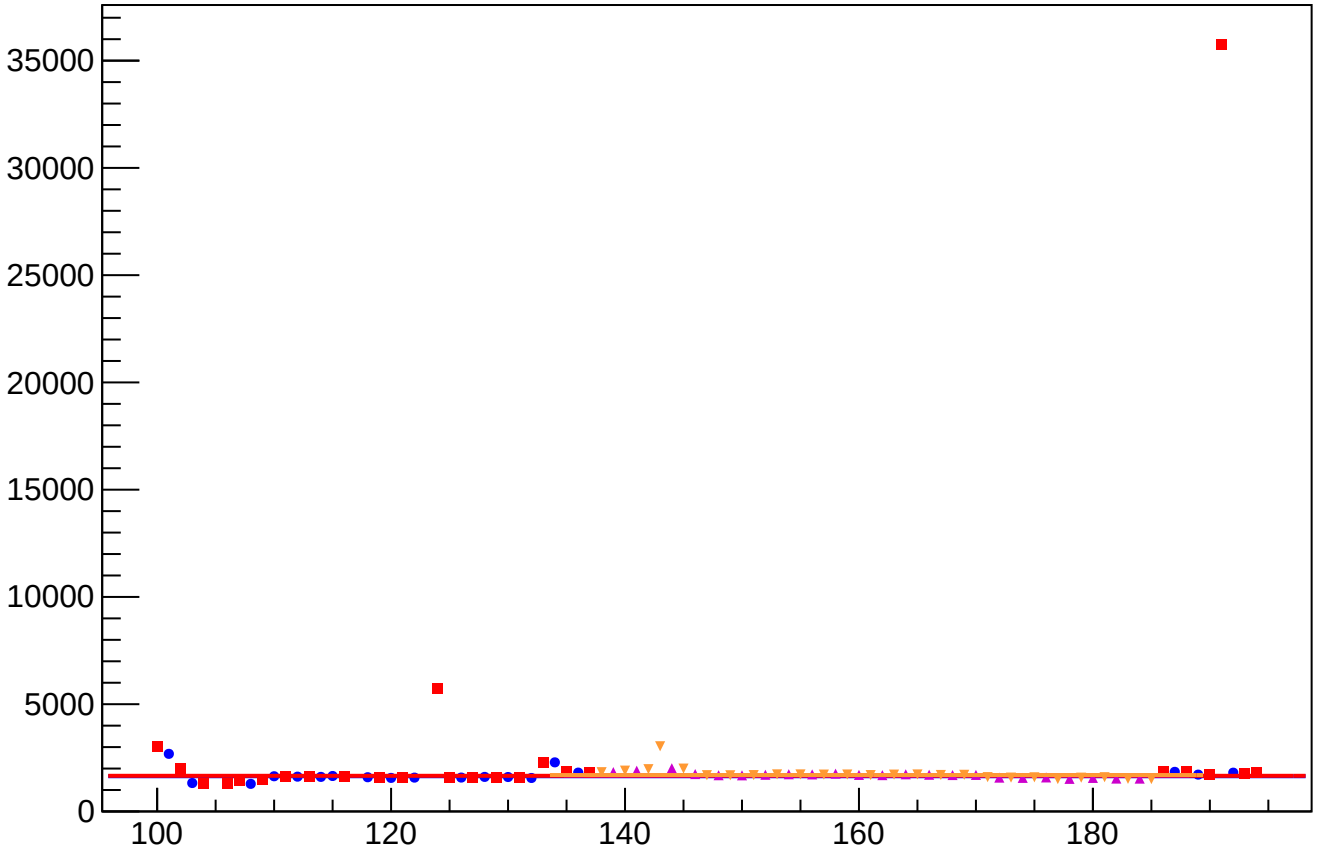
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 537.994+/-318.379 χ^2/NDF: 45.9/43

All: 229.385+/-223.198 χ^2/NDF: 86.7/91

- sign -68.864+/-312.989 χ^2/NDF: 39.0/47

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

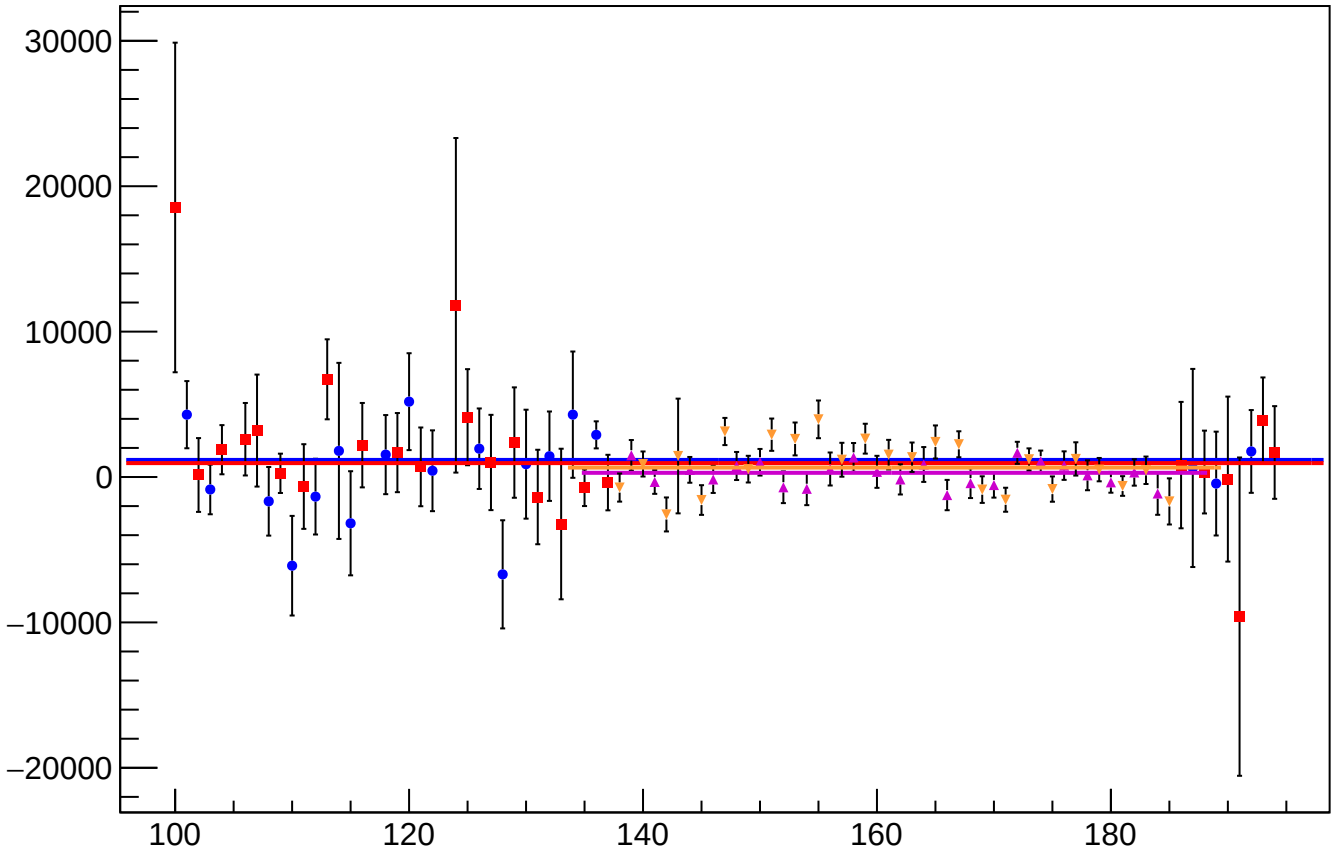
Right Out: 1661.982+/-0.364 χ^2/NDF: 645914.2/24

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1679.118+/-0.225 χ^2/NDF: 941122.3/43

All: 1677.645+/-0.158 χ^2/NDF: 1754905.2/91

- sign 1676.222+/-0.221 χ^2/NDF: 813698.8/47



Right In: 1175.733+/-557.786 χ^2/NDF: 21.9/18

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 956.267+/-523.129 χ^2/NDF: 16.2/24

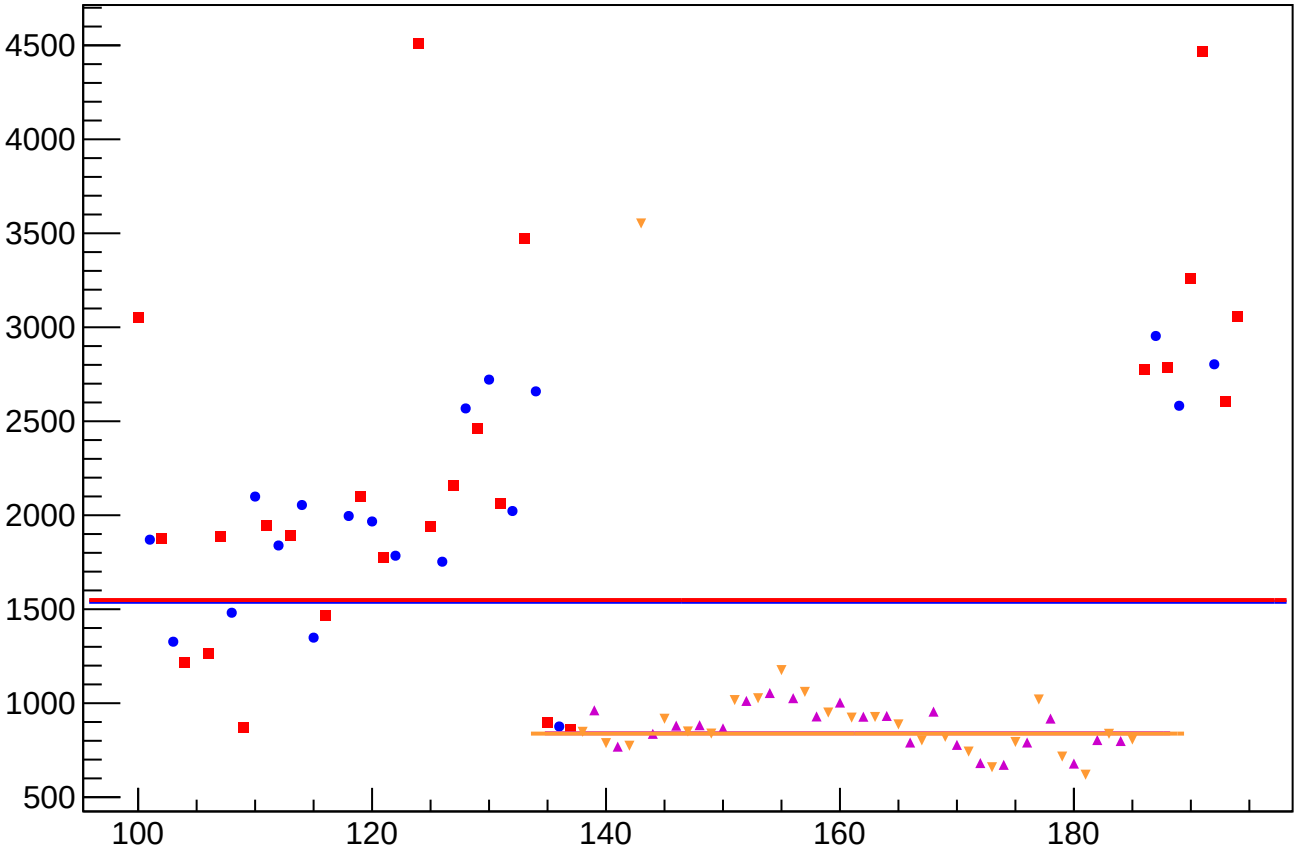
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 706.865+/-184.641 χ^2/NDF: 88.3/43

All: 540.598+/-130.893 χ^2/NDF: 124.1/91

- sign 372.629+/-185.584 χ^2/NDF: 34.2/47

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: 1548.841+/-0.370 χ^2/NDF: 3885532.0/24

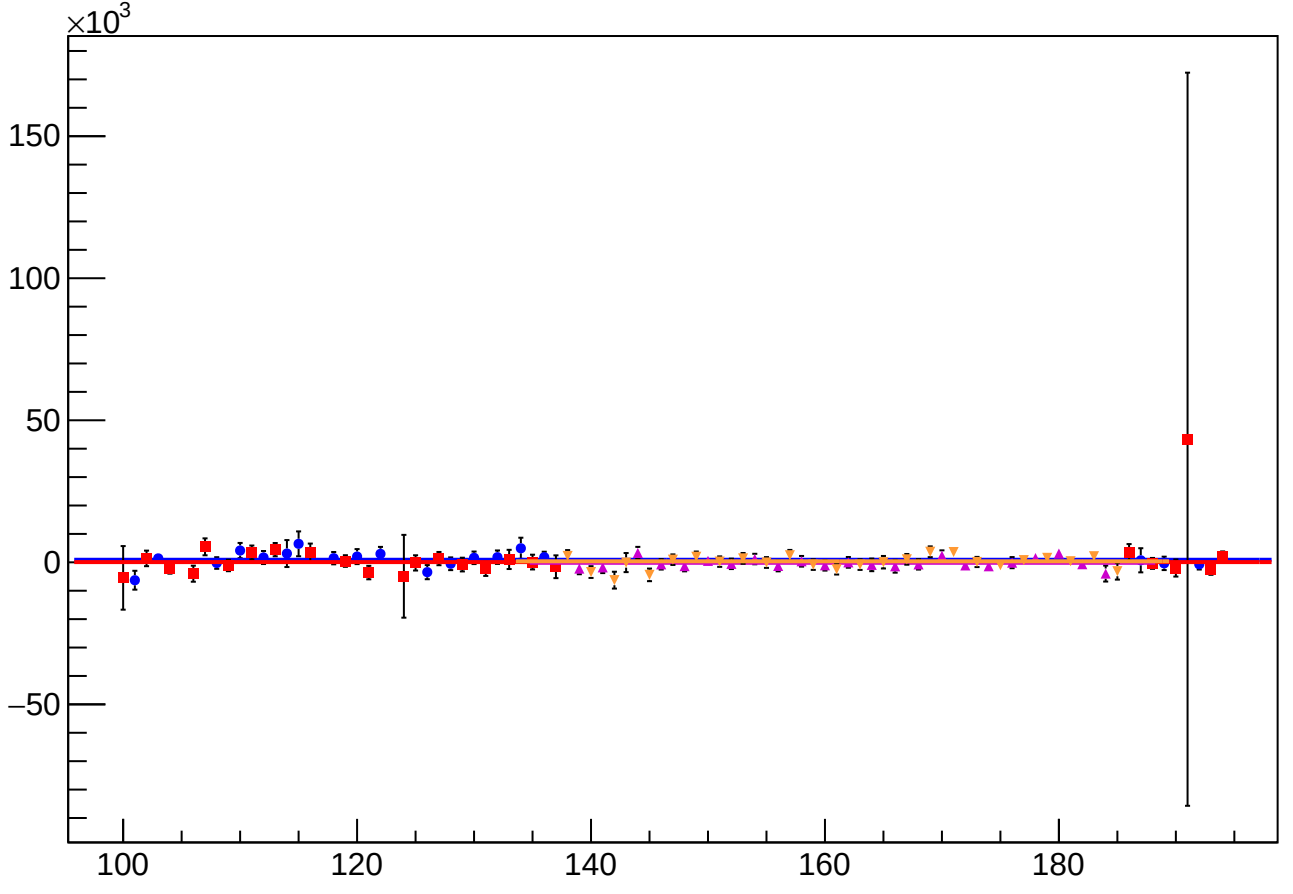
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 915.106+/-0.131 χ^2/NDF: 7107081.5/43

All: 922.112+/-0.093 χ^2/NDF: 14877861.5/91

- sign 929.191+/-0.131 χ^2/NDF: 7764990.4/47

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: 81.243+/-514.712 χ^2/NDF: 22.8/24

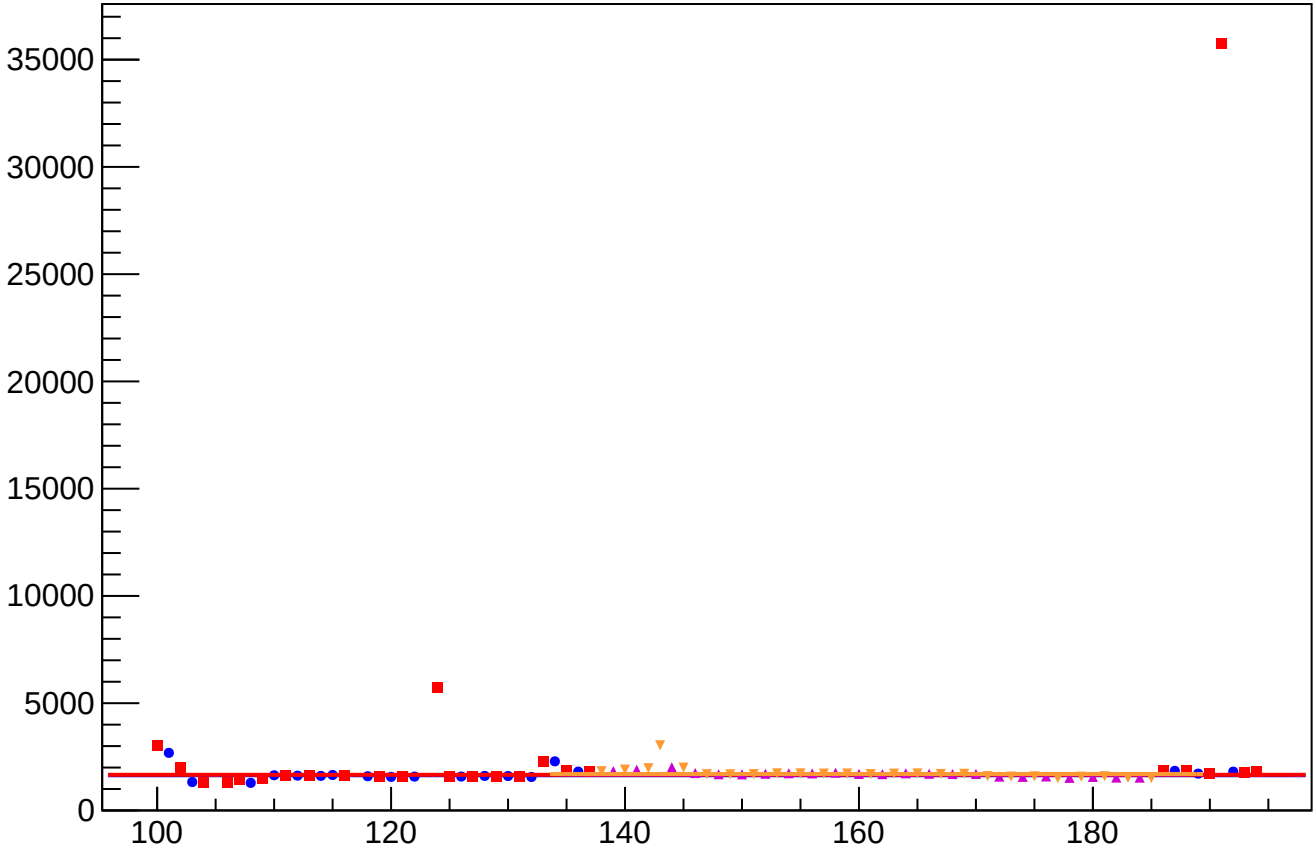
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 537.994+/-318.379 χ^2/NDF: 45.9/43

All: 229.385+/-223.198 χ^2/NDF: 86.7/91

- sign -68.864+/-312.989 χ^2/NDF: 39.0/47

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

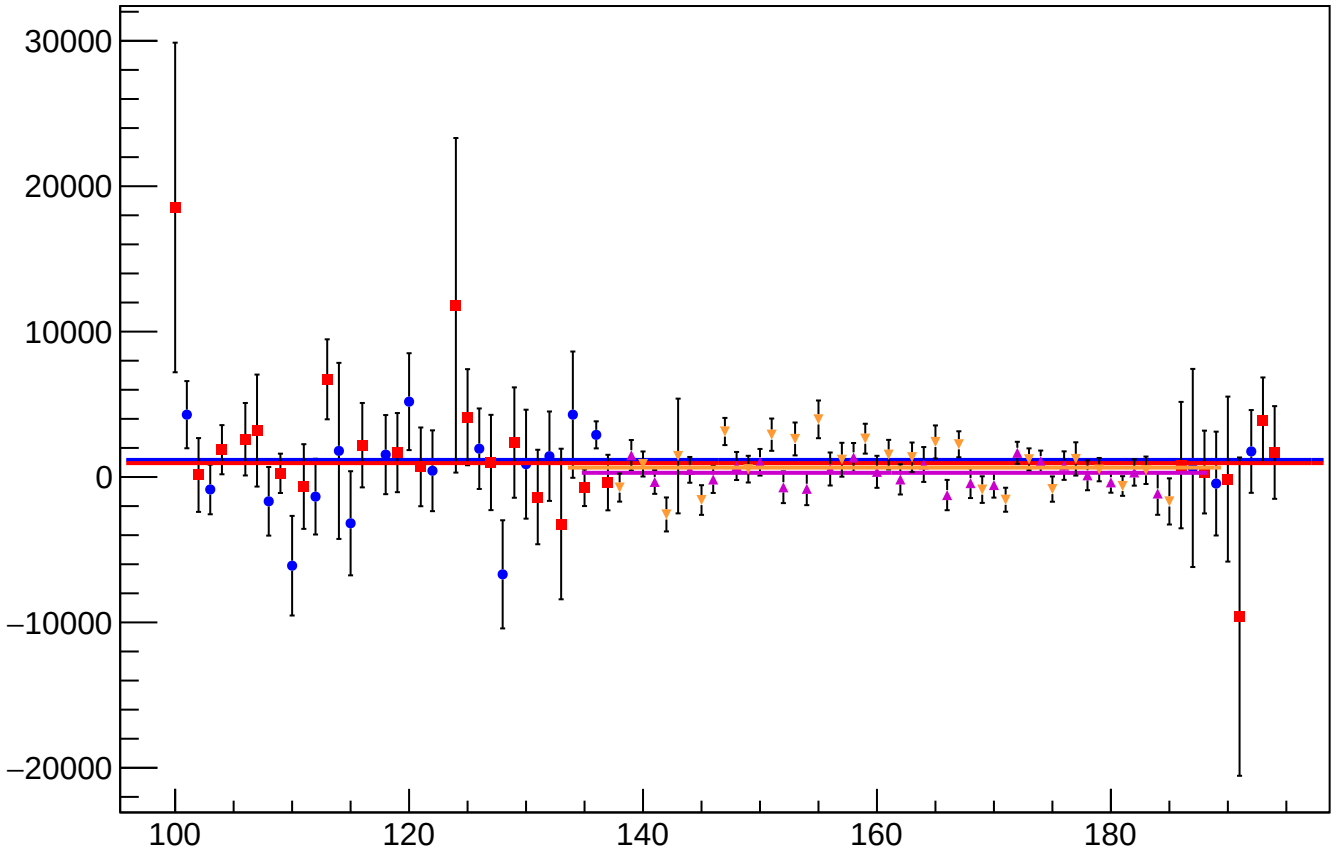
Right Out: 1661.982+/-0.364 χ^2/NDF: 645914.2/24

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1679.118+/-0.225 χ^2/NDF: 941122.3/43

All: 1677.645+/-0.158 χ^2/NDF: 1754905.2/91

- sign 1676.222+/-0.221 χ^2/NDF: 813698.8/47



Right In: 1175.733+/-557.786 χ^2/NDF: 21.9/18

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 956.267+/-523.129 χ^2/NDF: 16.2/24

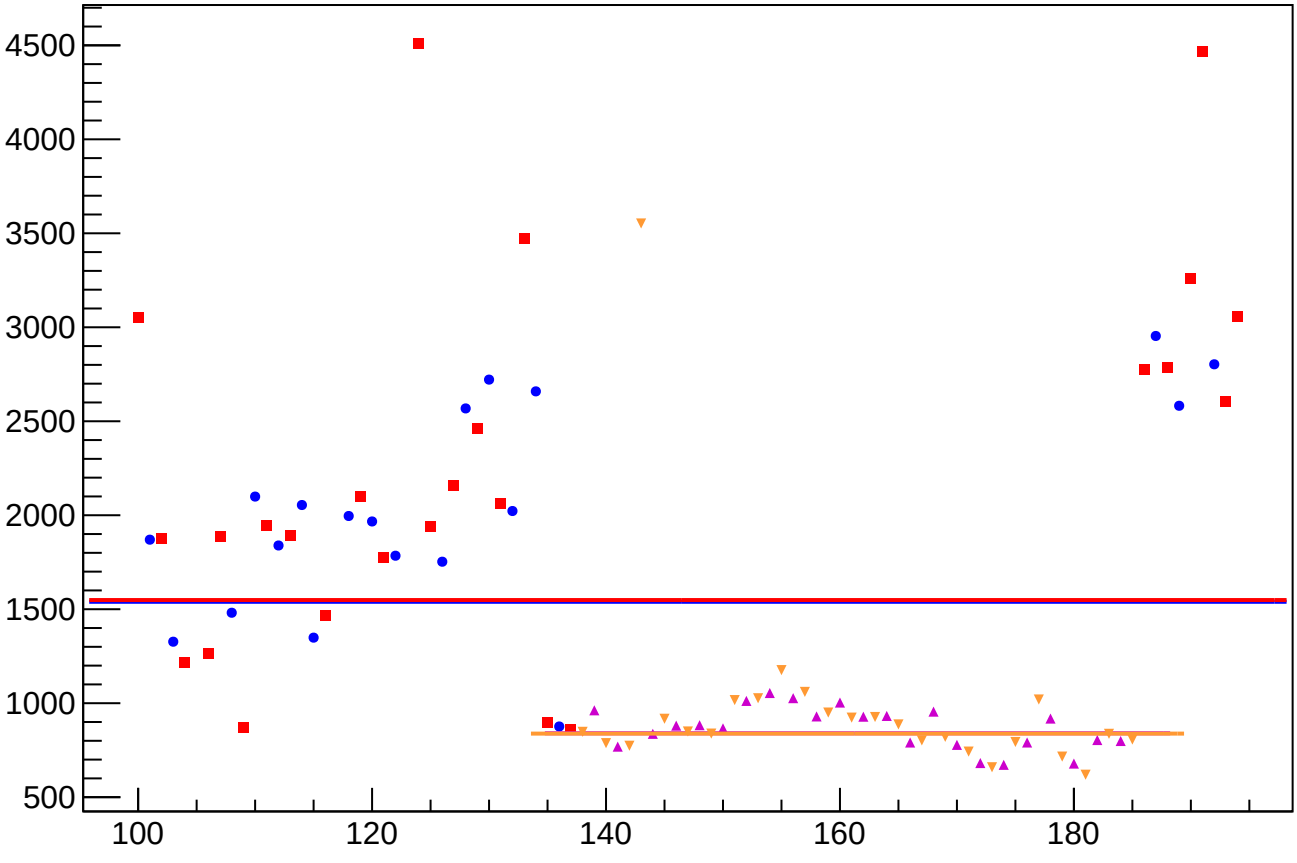
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 706.865+/-184.641 χ^2/NDF: 88.3/43

All: 540.598+/-130.893 χ^2/NDF: 124.1/91

- sign 372.629+/-185.584 χ^2/NDF: 34.2/47

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: 1548.841+/-0.370 χ^2/NDF: 3885532.0/24

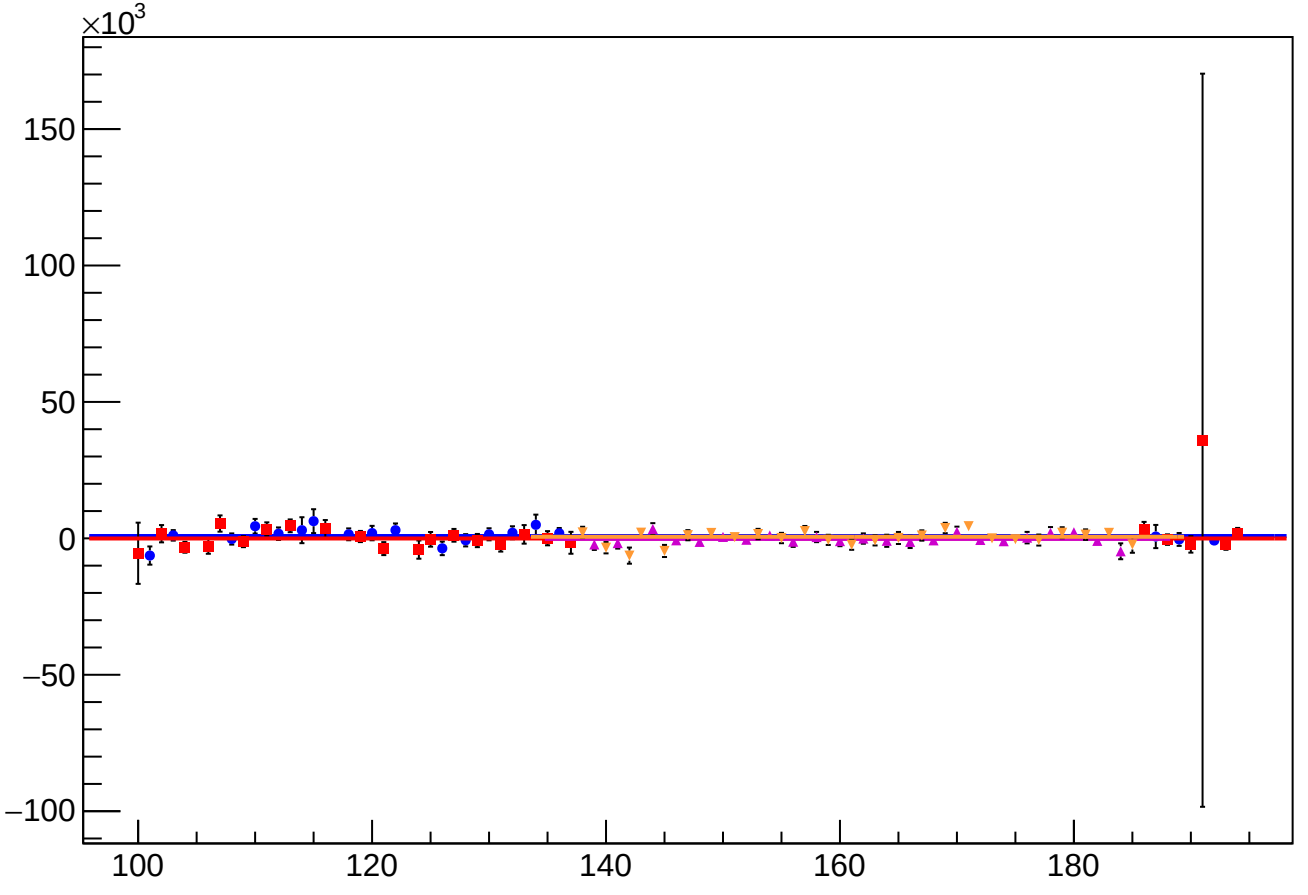
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 915.106+/-0.131 χ^2/NDF: 7107081.5/43

All: 922.112+/-0.093 χ^2/NDF: 14877861.5/91

- sign 929.191+/-0.131 χ^2/NDF: 7764990.4/47

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: -50.408+/-514.802 χ^2/NDF: 24.7/24

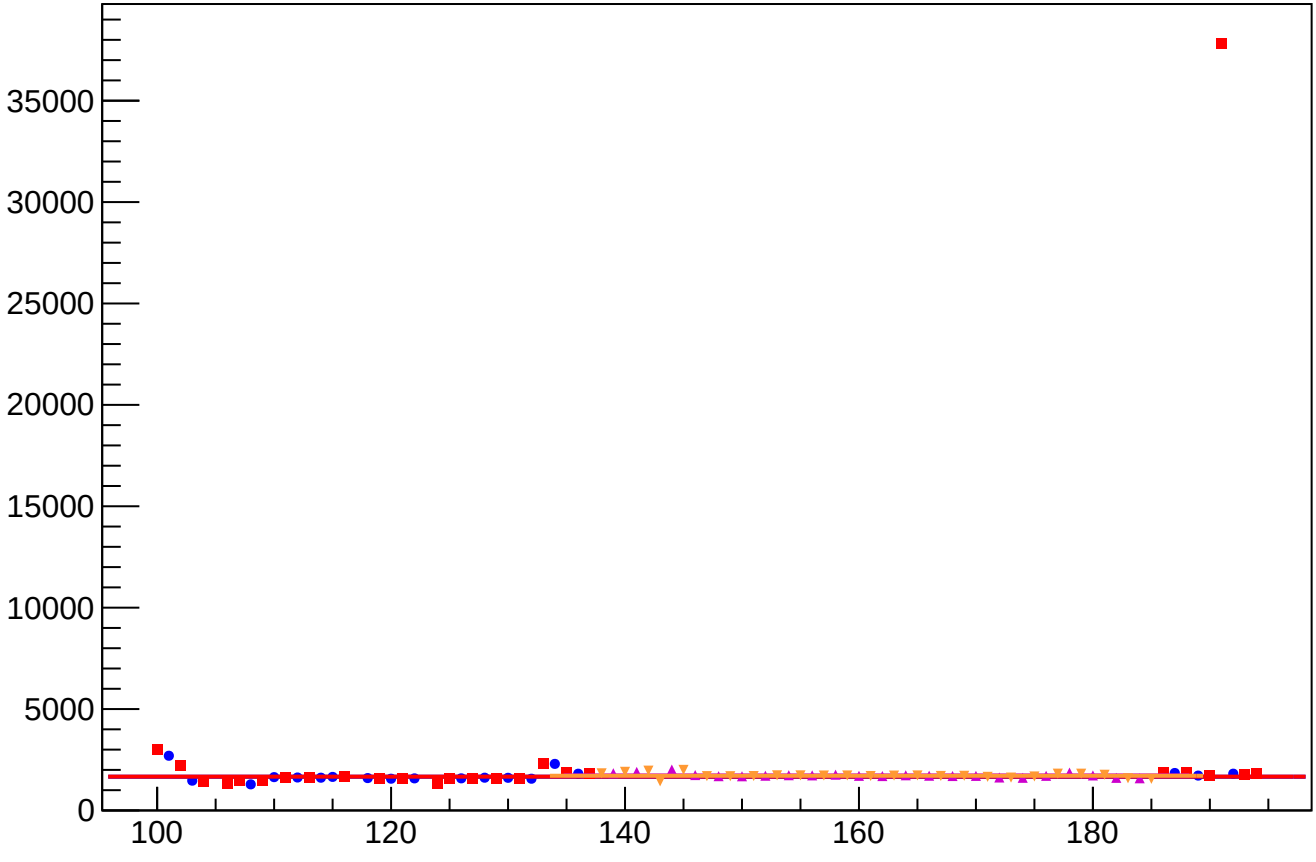
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 669.417+/-320.464 χ^2/NDF: 48.4/43

All: 264.333+/-225.678 χ^2/NDF: 90.8/91

- sign -134.205+/-317.864 χ^2/NDF: 39.2/47

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: 1667.520+/-0.364 χ^2/NDF: 505008.2/24

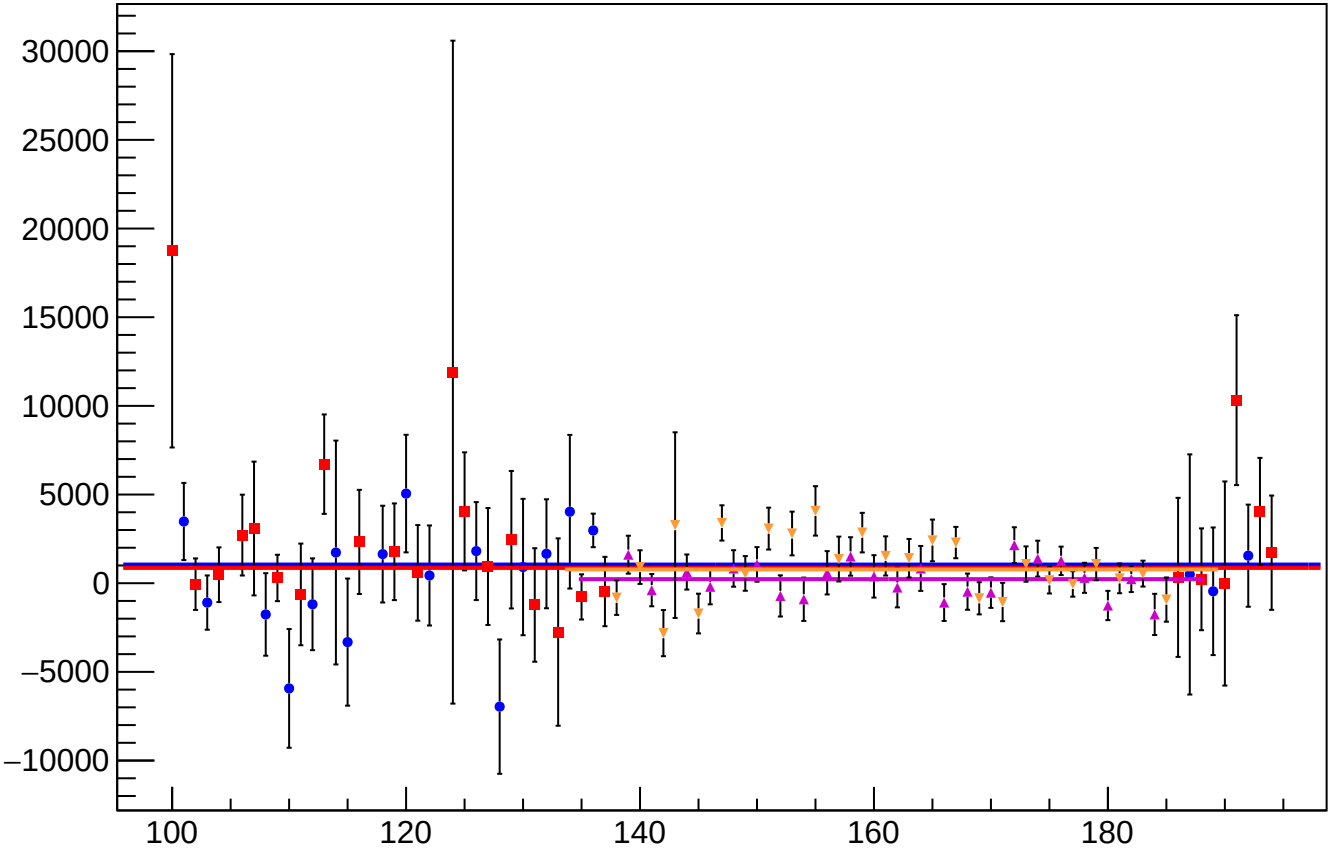
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1695.722+/-0.227 χ^2/NDF: 561472.0/43

All: 1700.342+/-0.160 χ^2/NDF: 1184562.7/91

- sign 1704.888+/-0.225 χ^2/NDF: 622265.9/47

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: 862.641+/-493.890 χ^2/NDF: 18.9/24

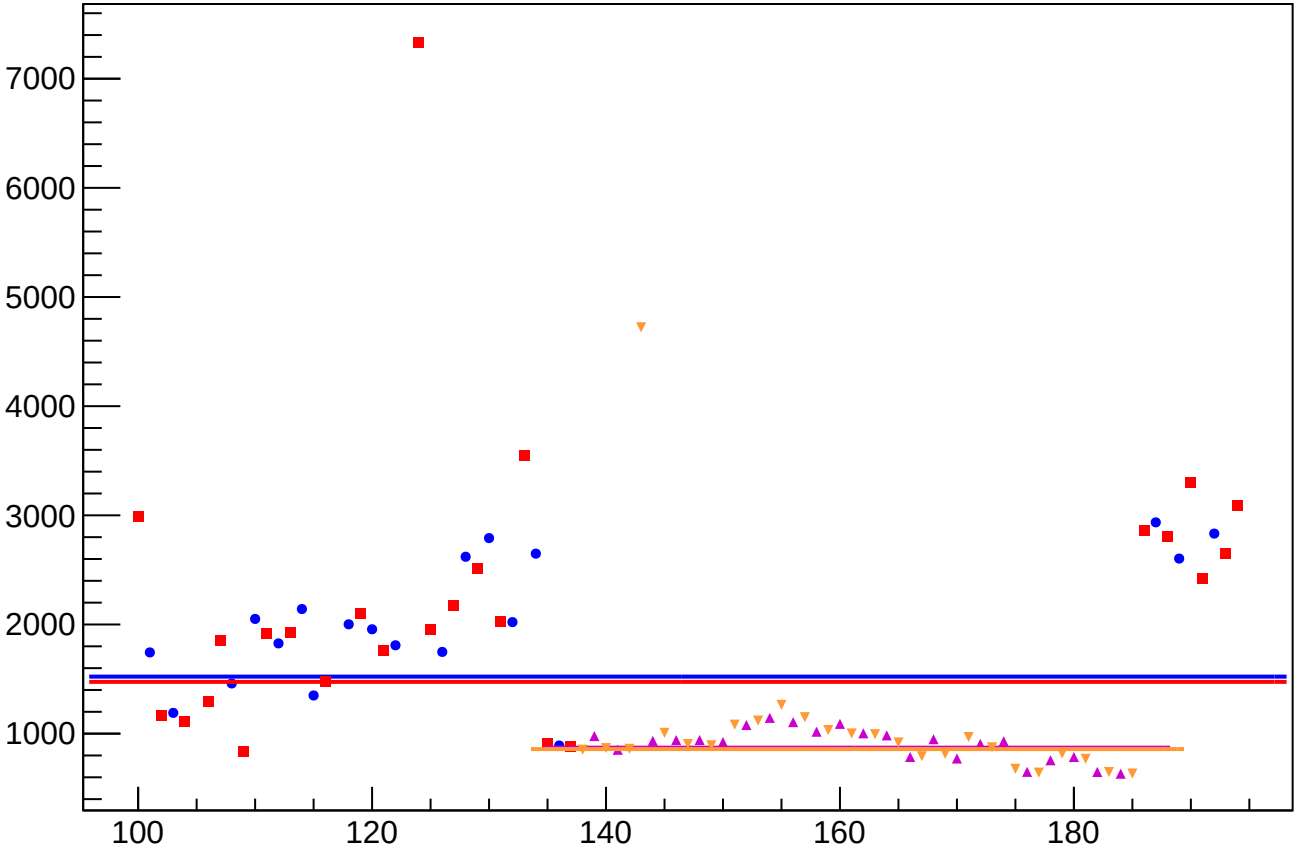
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

\+ sign 811.024+/-189.406 χ^2/NDF: 77.0/43

All: 568.815+/-134.377 χ^2/NDF: 123.2/91

\- sign 323.342+/-190.677 χ^2/NDF: 42.9/47

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: 1474.373+/-0.349 χ^2/NDF: 4096593.2/24

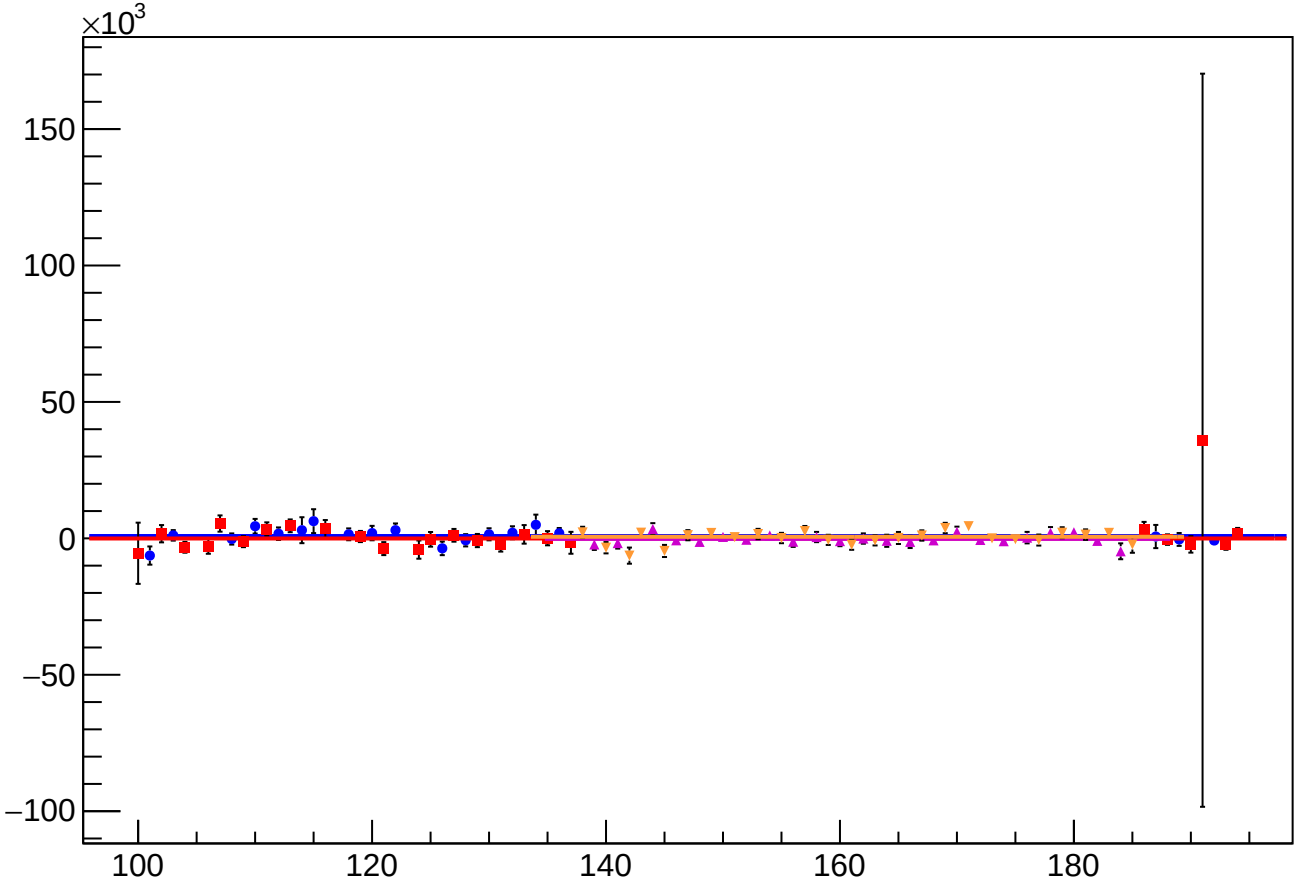
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 936.714+/-0.134 χ^2/NDF: 7324627.8/43

All: 948.966+/-0.095 χ^2/NDF: 14953052.8/91

- sign 961.382+/-0.135 χ^2/NDF: 7611577.2/47

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: -50.411+/-514.802 χ^2/NDF: 24.7/24

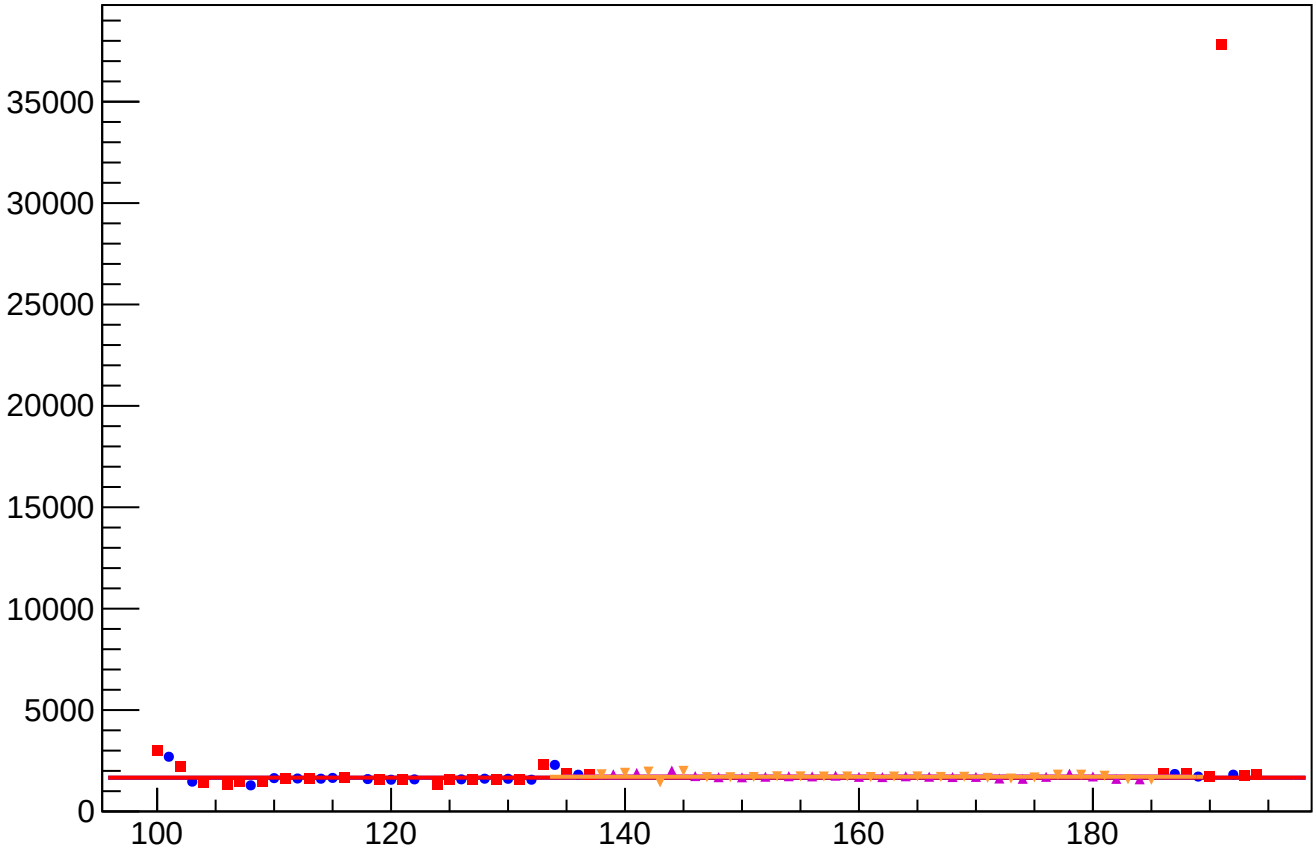
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 669.414+/-320.464 χ^2/NDF: 48.4/43

All: 264.331+/-225.678 χ^2/NDF: 90.8/91

- sign -134.206+/-317.864 χ^2/NDF: 39.2/47

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: 1667.520+/-0.364 χ^2/NDF: 505008.4/24

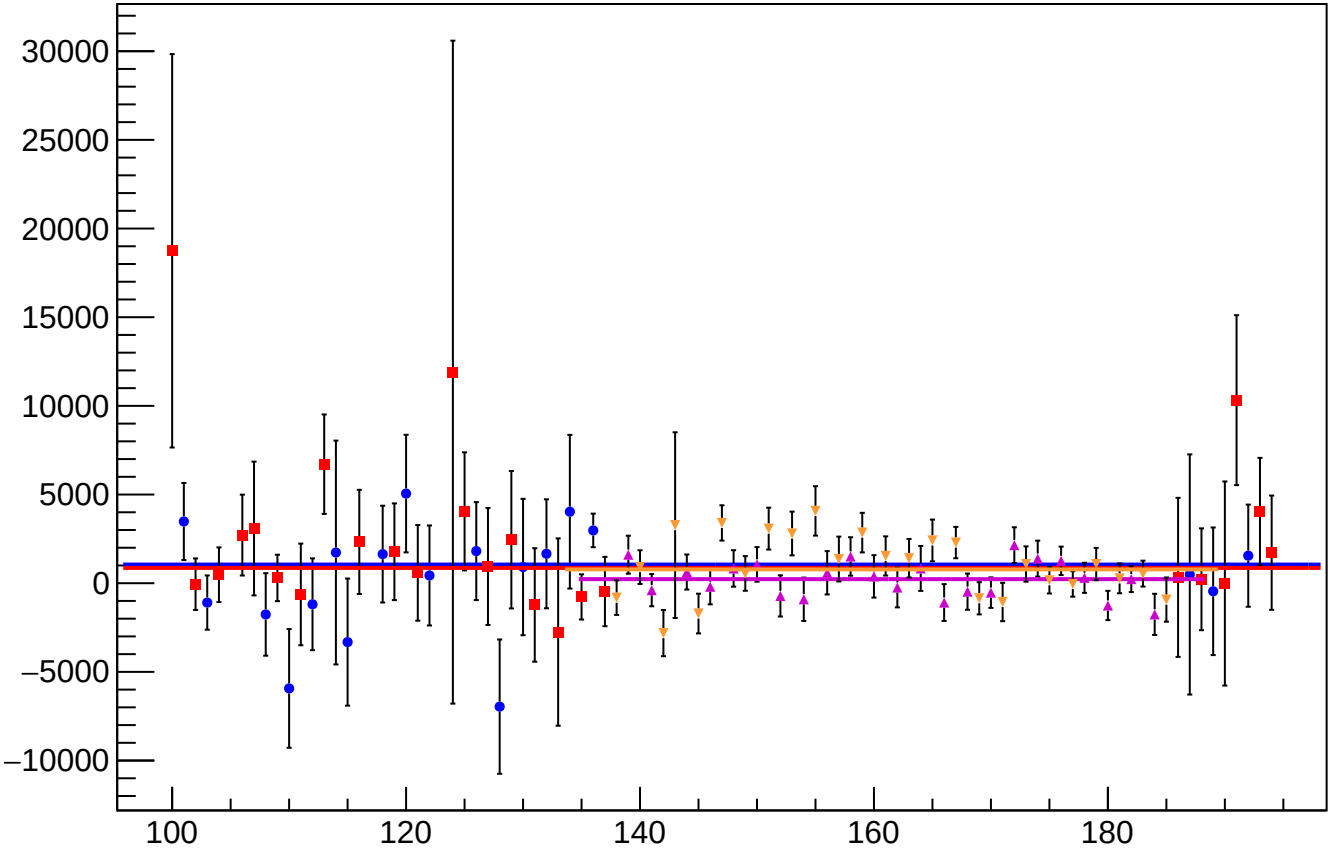
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1695.722+/-0.227 χ^2/NDF: 561470.6/43

All: 1700.342+/-0.160 χ^2/NDF: 1184561.2/91

- sign 1704.888+/-0.225 χ^2/NDF: 622265.9/47

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: 862.656+/-493.893 χ^2/NDF: 18.9/24

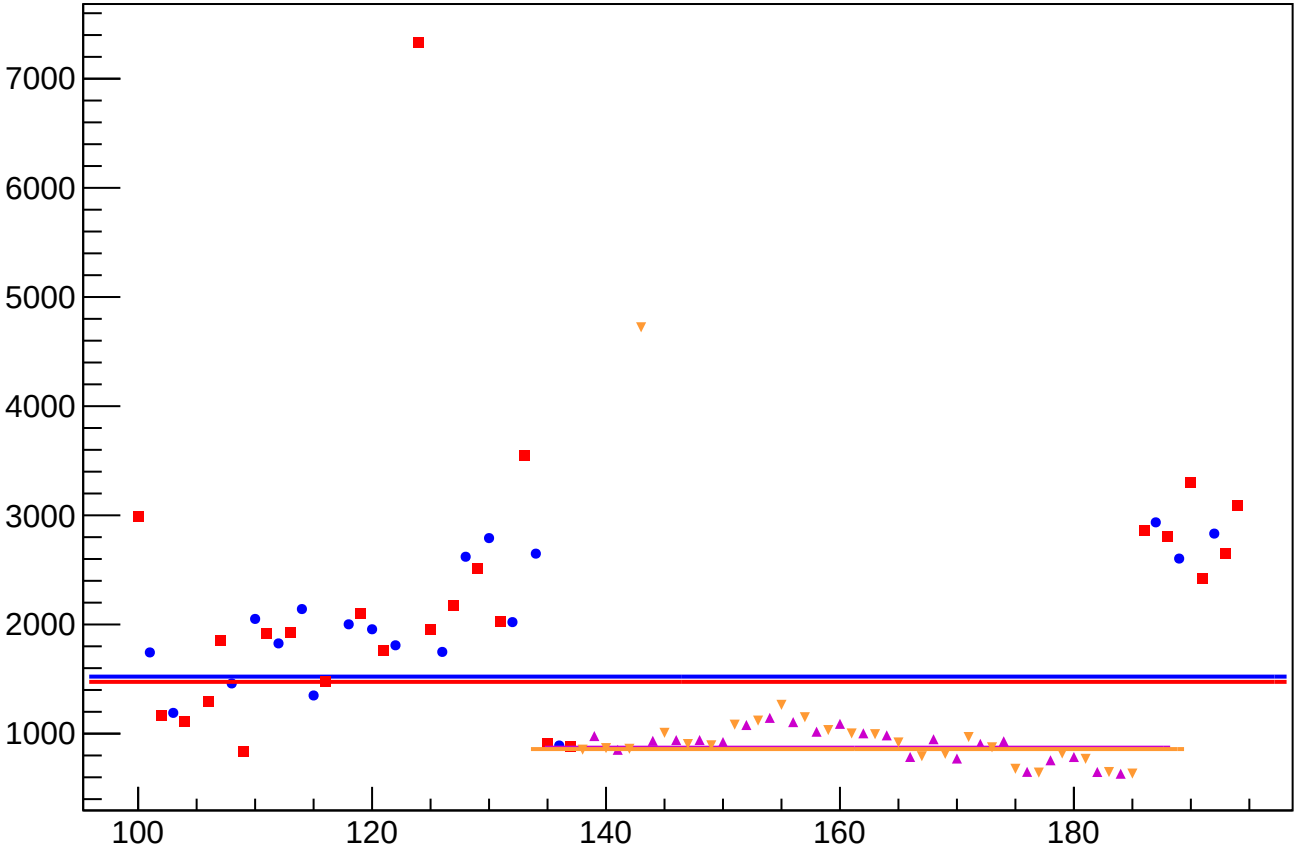
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 811.025+/-189.406 χ^2/NDF: 77.0/43

All: 568.815+/-134.377 χ^2/NDF: 123.2/91

- sign 323.341+/-190.677 χ^2/NDF: 42.9/47

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1522.480+/-0.390 χ^2/NDF: 2493630.3/18

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1474.387+/-0.349 χ^2/NDF: 4096482.5/24

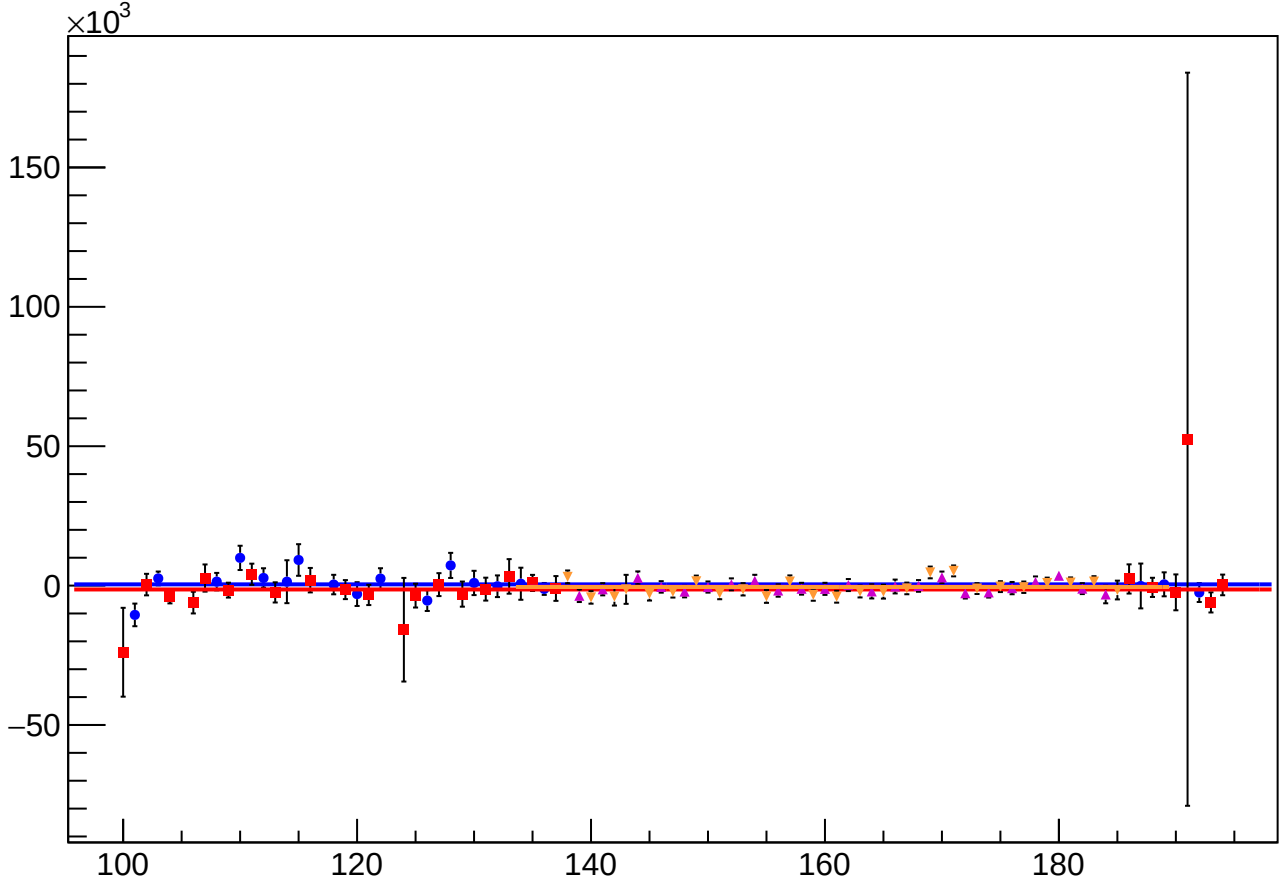
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 936.716+/-0.134 χ^2/NDF: 7324592.6/43

All: 948.966+/-0.095 χ^2/NDF: 14953008.7/91

- sign 961.382+/-0.135 χ^2/NDF: 7611569.7/47

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: -1387.853+/-801.787 χ^2/NDF: 13.4/24

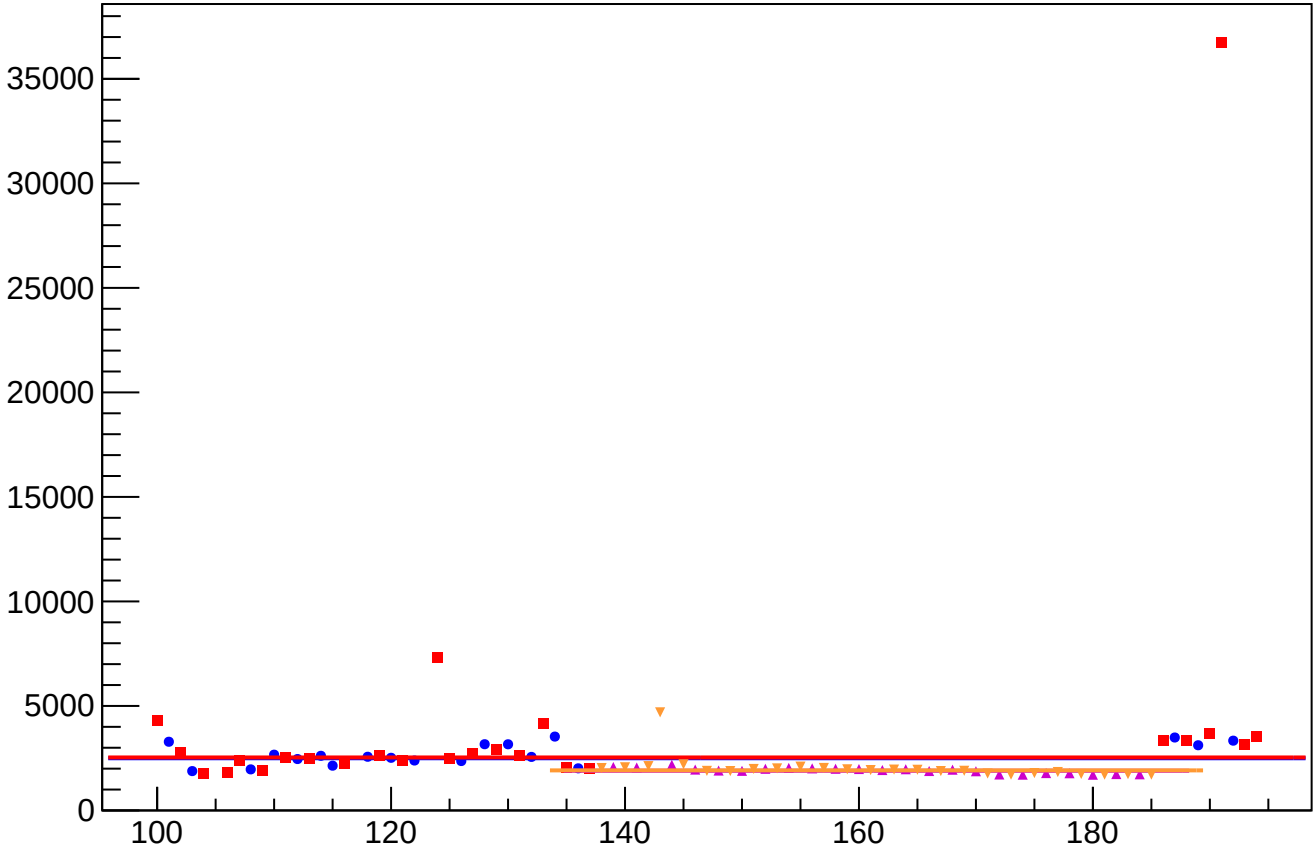
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -304.418+/-391.253 χ^2/NDF: 59.7/43

All: -473.742+/-275.788 χ^2/NDF: 93.5/91

- sign -640.954+/-388.804 χ^2/NDF: 33.4/47

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

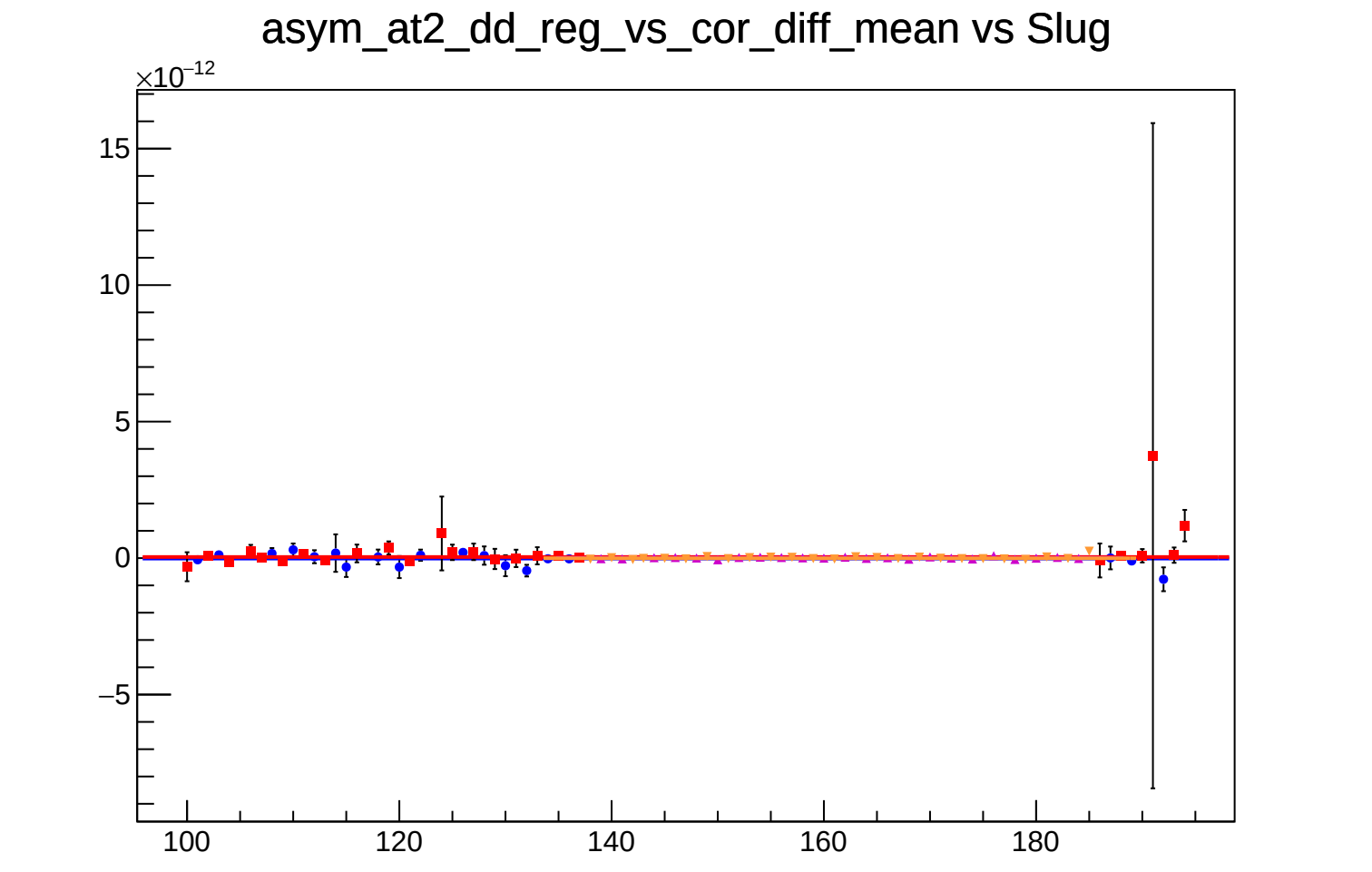
Right Out: 2535.187+/-0.567 χ^2/NDF: 1371002.5/24

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2038.432+/-0.277 χ^2/NDF: 2211865.7/43

All: 2043.643+/-0.195 χ^2/NDF: 4719289.2/91

- sign 2048.789+/-0.275 χ^2/NDF: 2506718.5/47



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

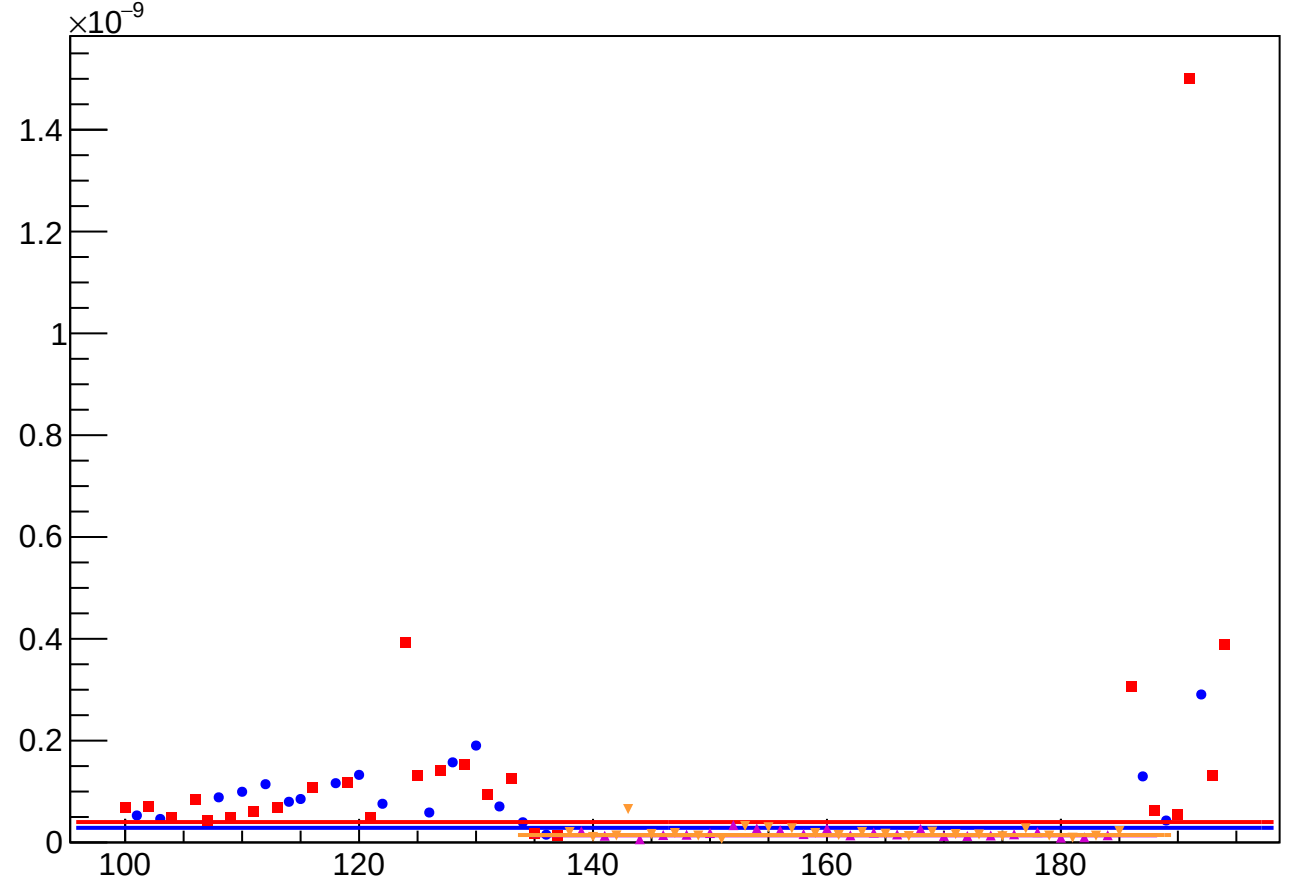
Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/24

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.0/43

All: 0.000+/-0.000 χ^2/NDF: 96.7/91

- sign 0.000+/-0.000 χ^2/NDF: 46.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 3591016.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3889191.5/24

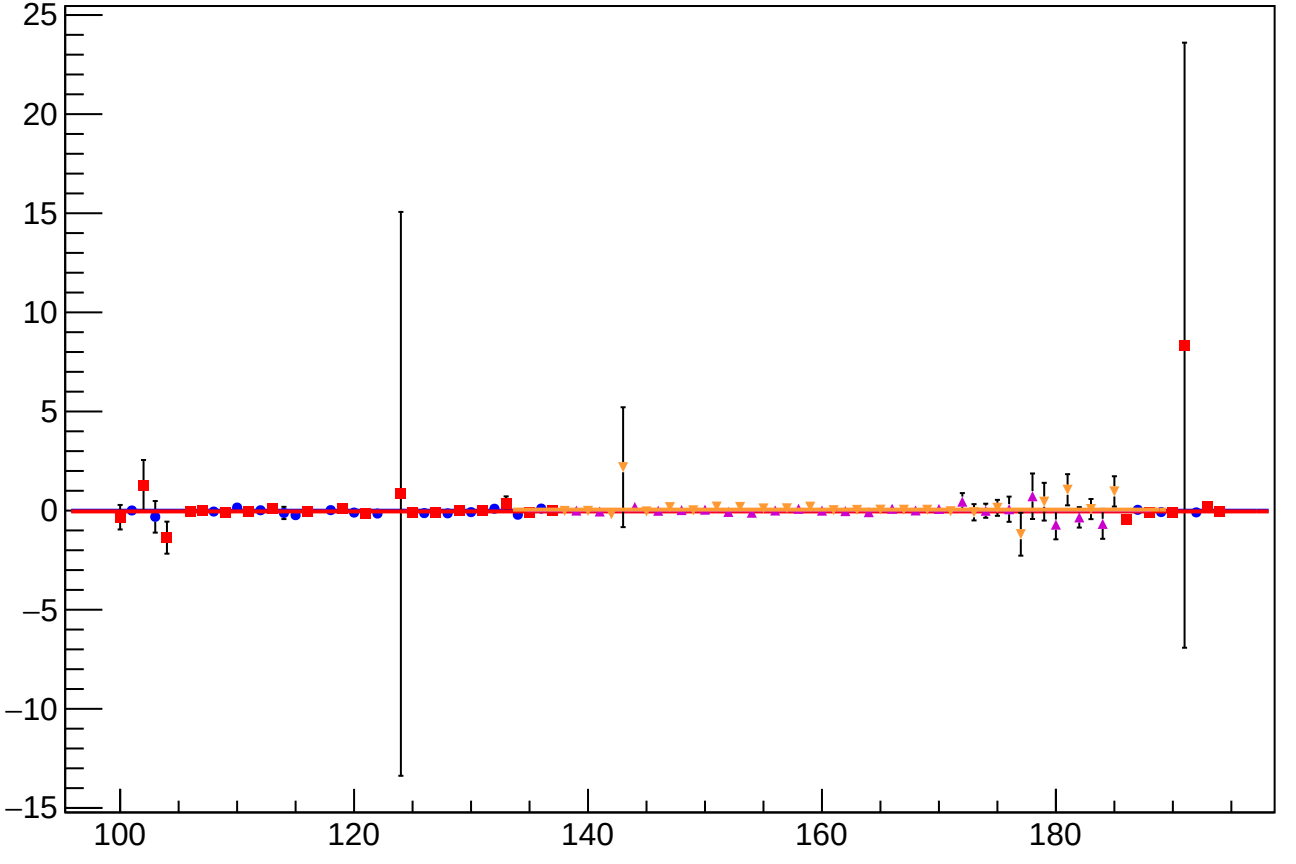
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6242531.4/43

All: 0.000+/-0.000 χ^2/NDF: 13873003.4/91

- sign 0.000+/-0.000 χ^2/NDF: 7625513.0/47

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: -0.042+/-0.021 χ^2/NDF: 22.2/24

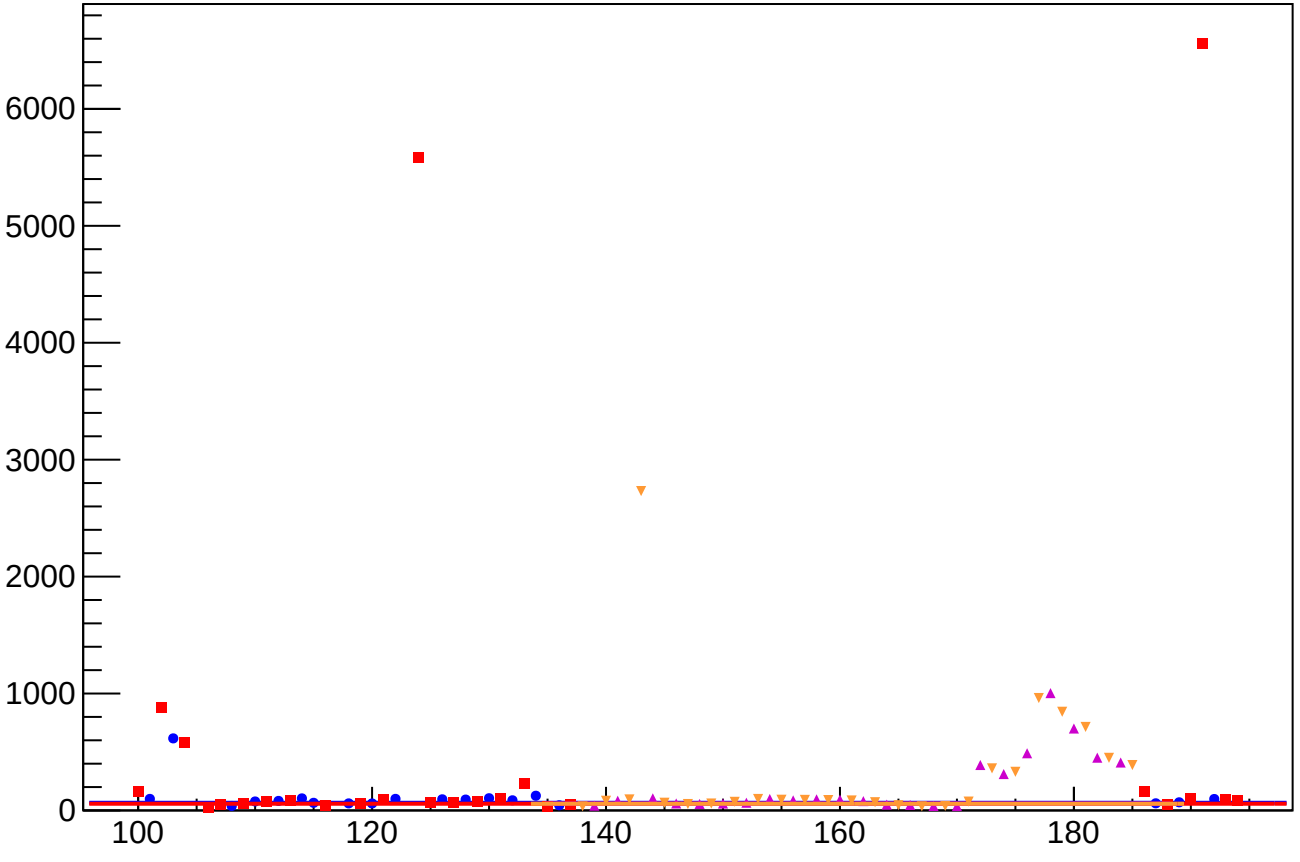
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.4/43

All: 0.013+/-0.010 χ^2/NDF: 88.6/91

- sign -0.005+/-0.013 χ^2/NDF: 42.6/47

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: 57.368+/-0.015 χ^2/NDF: 5180033.8/24

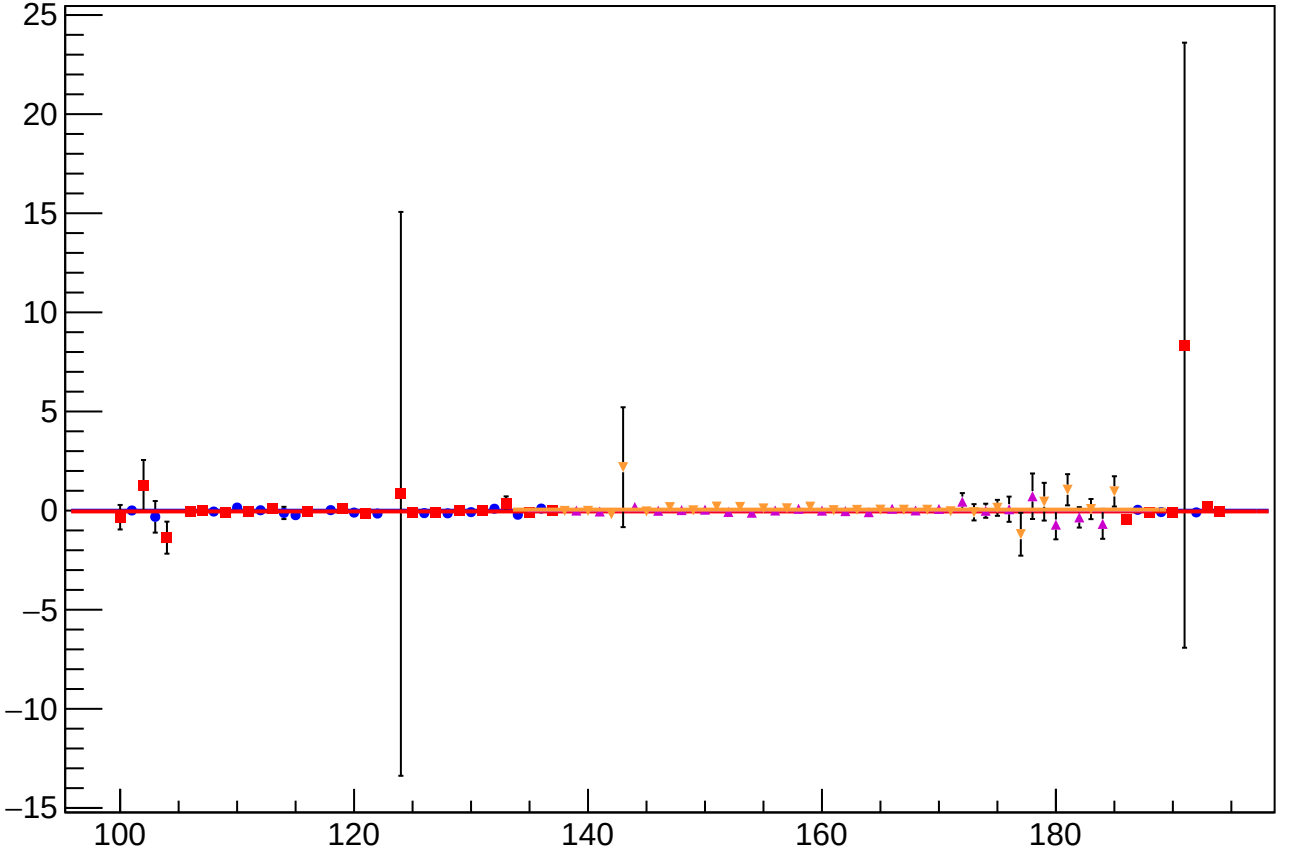
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 59.914+/-0.010 χ^2/NDF: 15122761.1/43

All: 58.962+/-0.007 χ^2/NDF: 30571700.6/91

- sign 58.106+/-0.009 χ^2/NDF: 15431611.8/47

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: -0.042+/-0.021 χ^2/NDF: 22.2/24

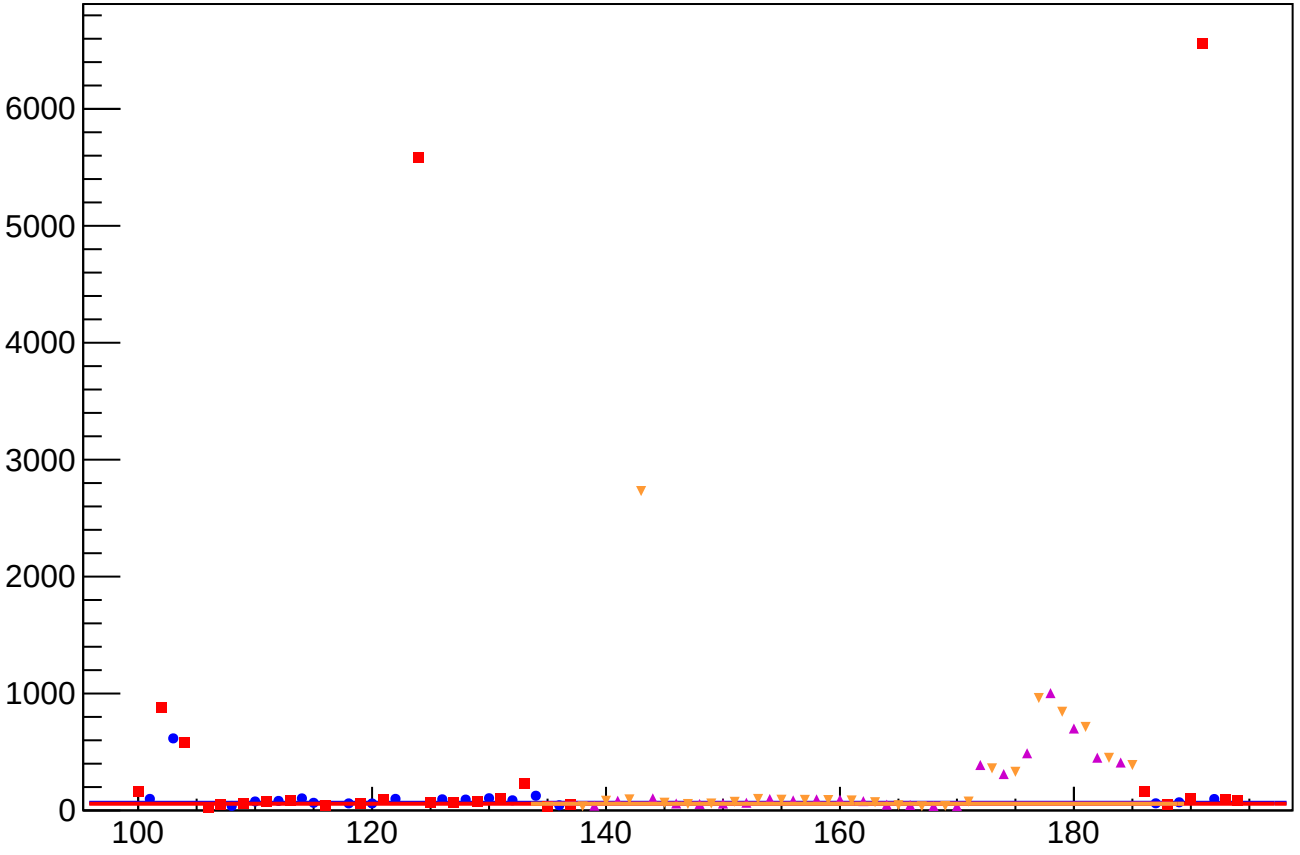
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.4/43

All: 0.013+/-0.010 χ^2/NDF: 88.6/91

- sign -0.005+/-0.013 χ^2/NDF: 42.6/47

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

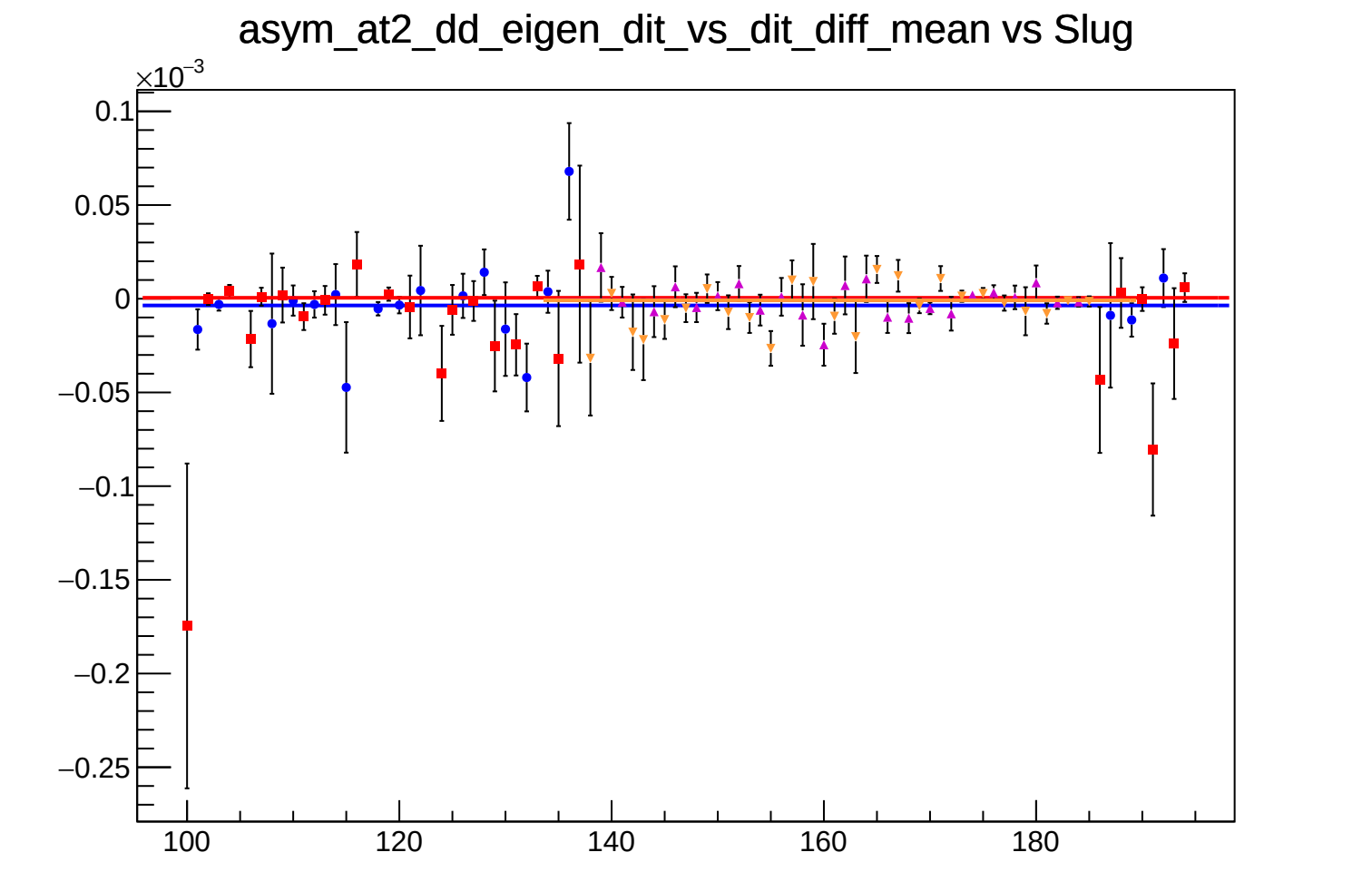
Right Out: 57.368+/-0.015 χ^2/NDF: 5180033.8/24

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 59.914+/-0.010 χ^2/NDF: 15122761.1/43

All: 58.962+/-0.007 χ^2/NDF: 30571700.6/91

- sign 58.106+/-0.009 χ^2/NDF: 15431611.8/47



Right In: -0.000+/-0.000 χ^2/NDF: 20.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

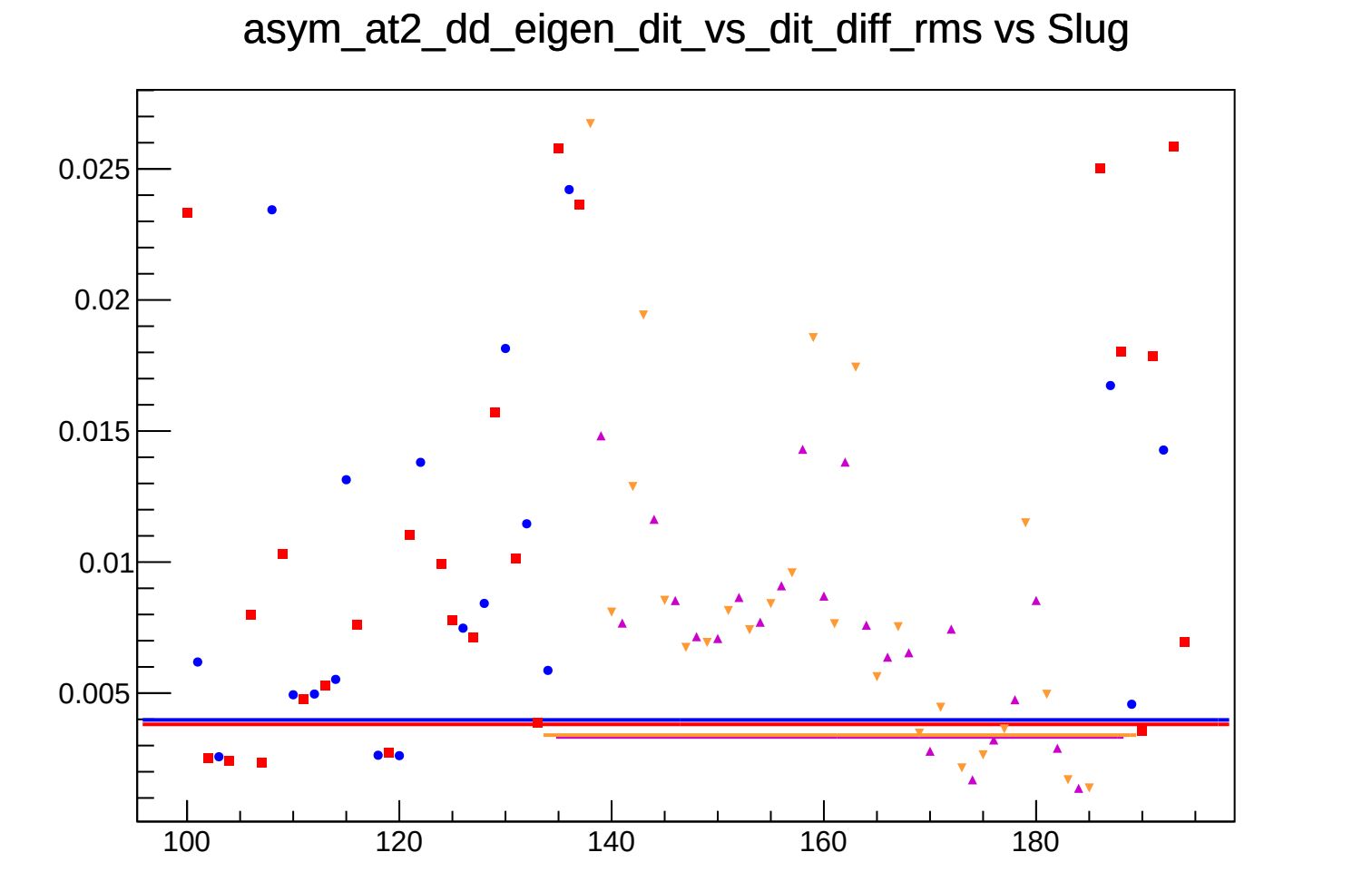
Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/24

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

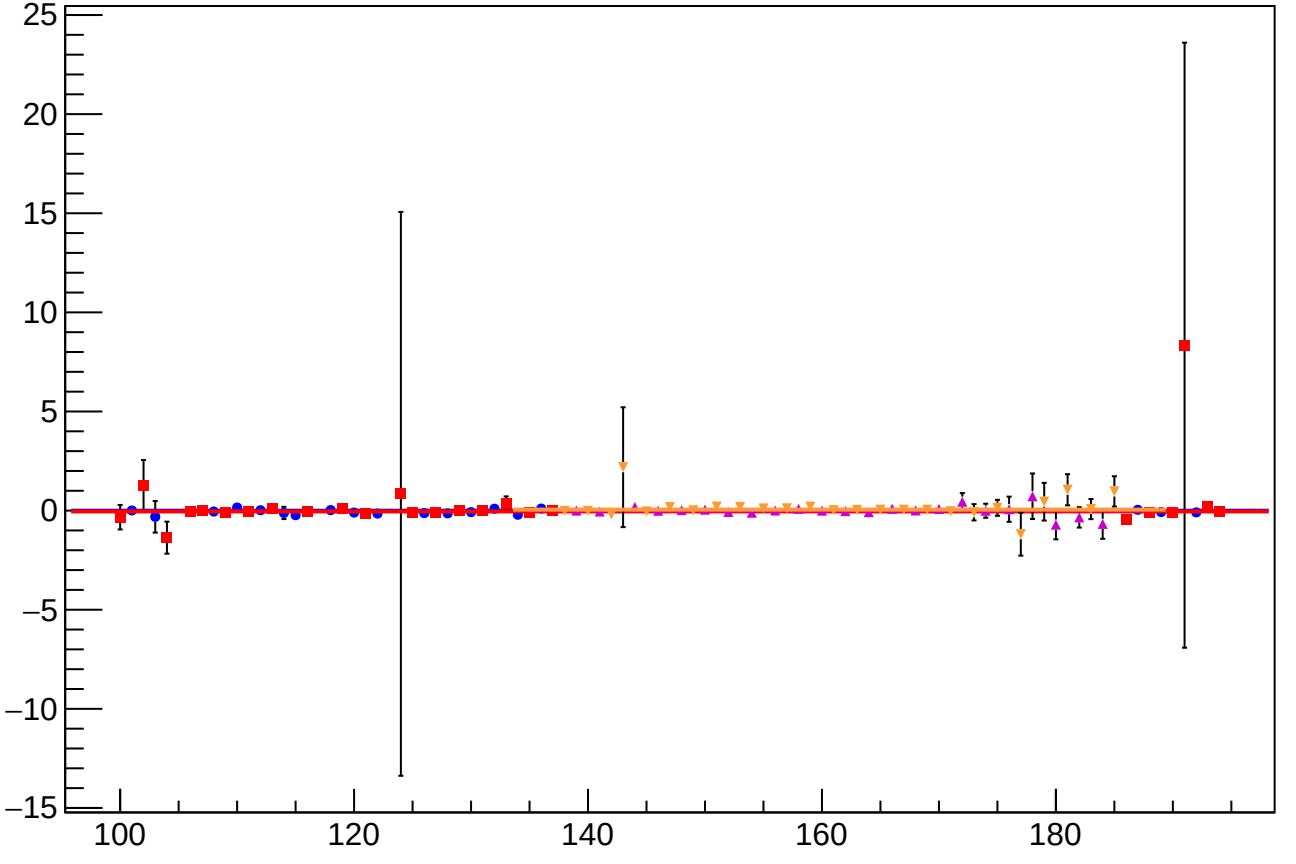
+ sign -0.000+/-0.000 χ^2/NDF: 55.2/43

All: -0.000+/-0.000 χ^2/NDF: 102.3/91

- sign -0.000+/-0.000 χ^2/NDF: 46.2/47


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: 8121348.5/24
Left In: 0.003+/-0.000 χ²/NDF:12566501.1/22
+ sign 0.004+/-0.000 χ²/NDF: 20268125.9/43
All: 0.004+/-0.000 χ²/NDF: 41102212.1/91
- sign 0.003+/-0.000 χ²/NDF: 20830382.3/47

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: -0.042+/-0.021 χ^2/NDF: 22.2/24

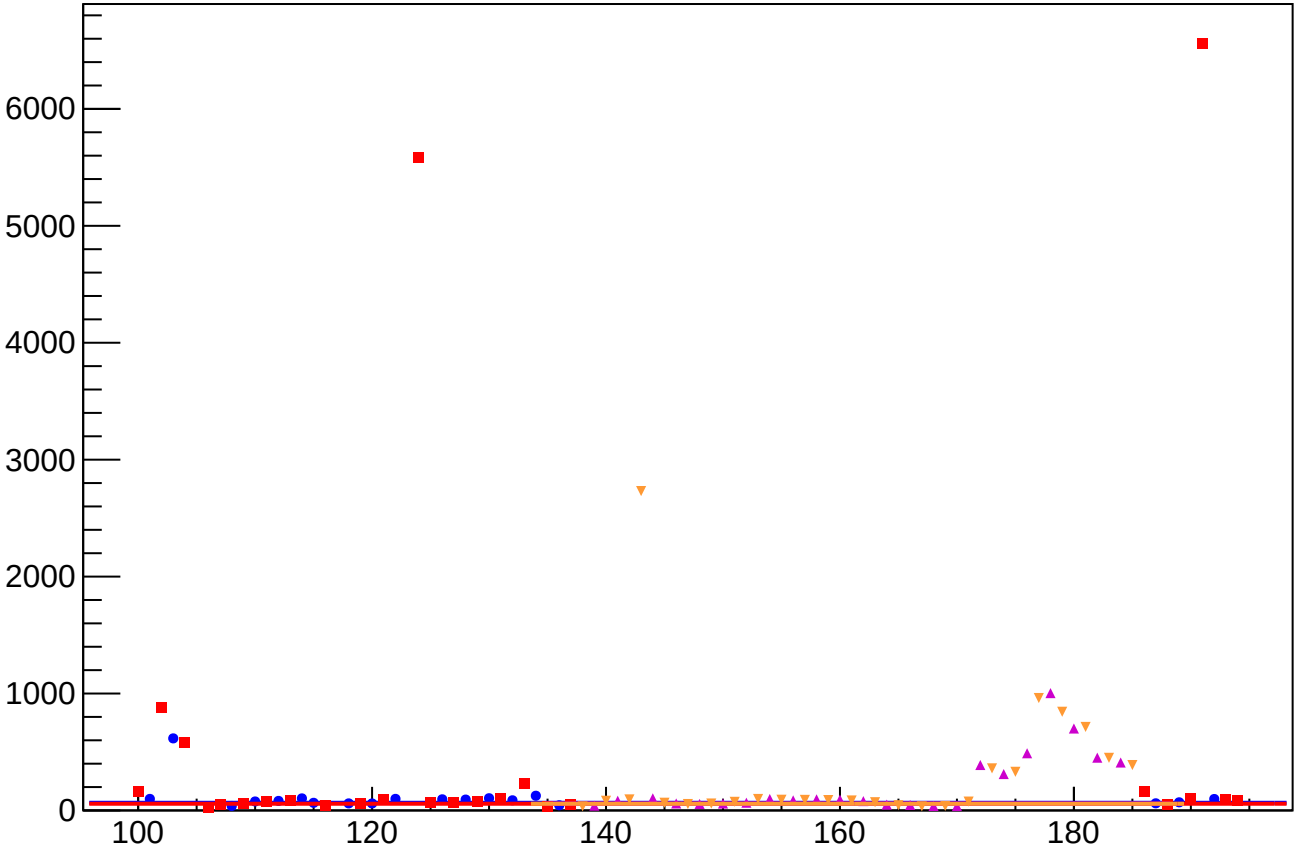
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.4/43

All: 0.013+/-0.010 χ^2/NDF: 88.6/91

- sign -0.005+/-0.013 χ^2/NDF: 42.6/47

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: 57.363+/-0.015 χ^2/NDF: 5180693.5/24

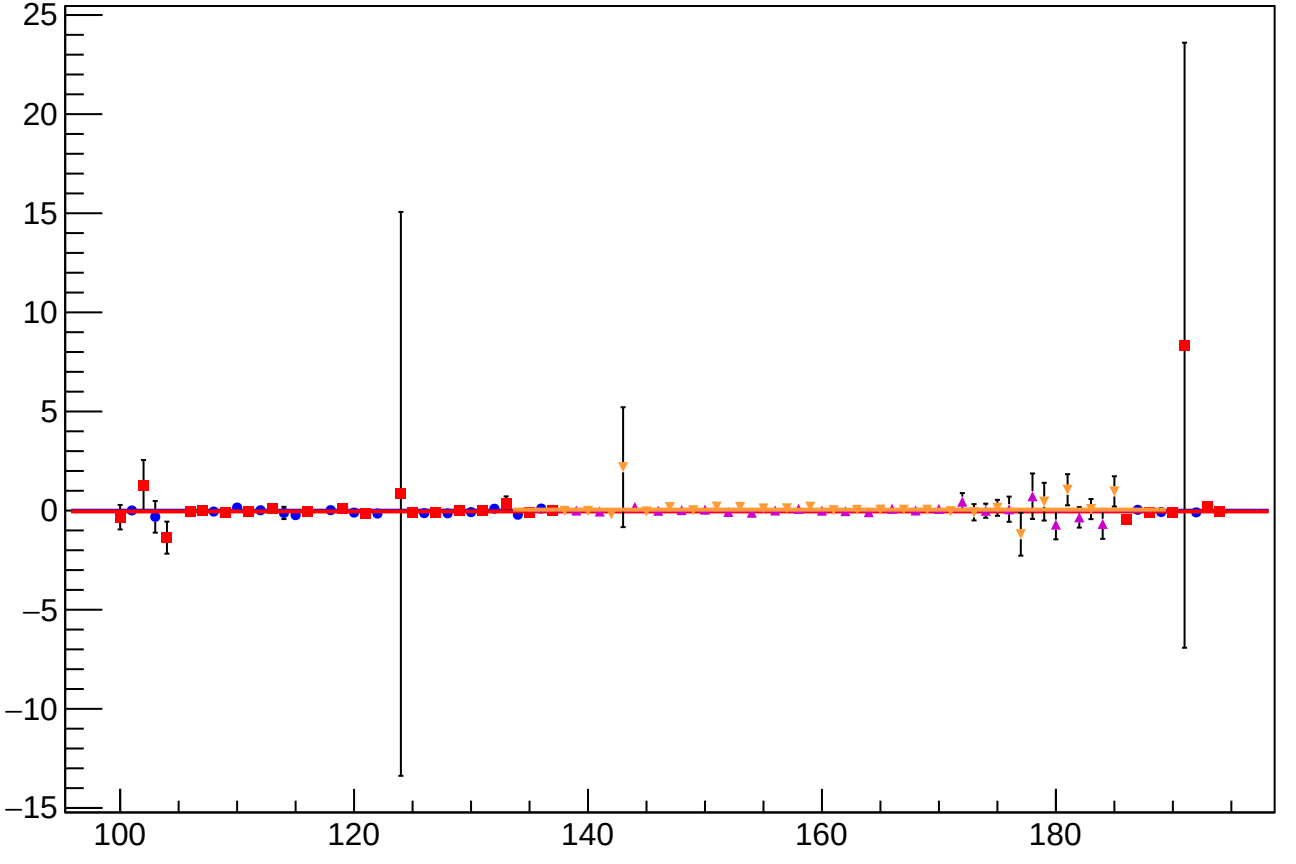
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 59.915+/-0.010 χ^2/NDF: 15121719.0/43

All: 58.962+/-0.007 χ^2/NDF: 30570893.9/91

- sign 58.105+/-0.009 χ^2/NDF: 15431812.7/47

asym_at2_dd_eigen_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: -0.042+/-0.021 χ^2/NDF: 22.2/24

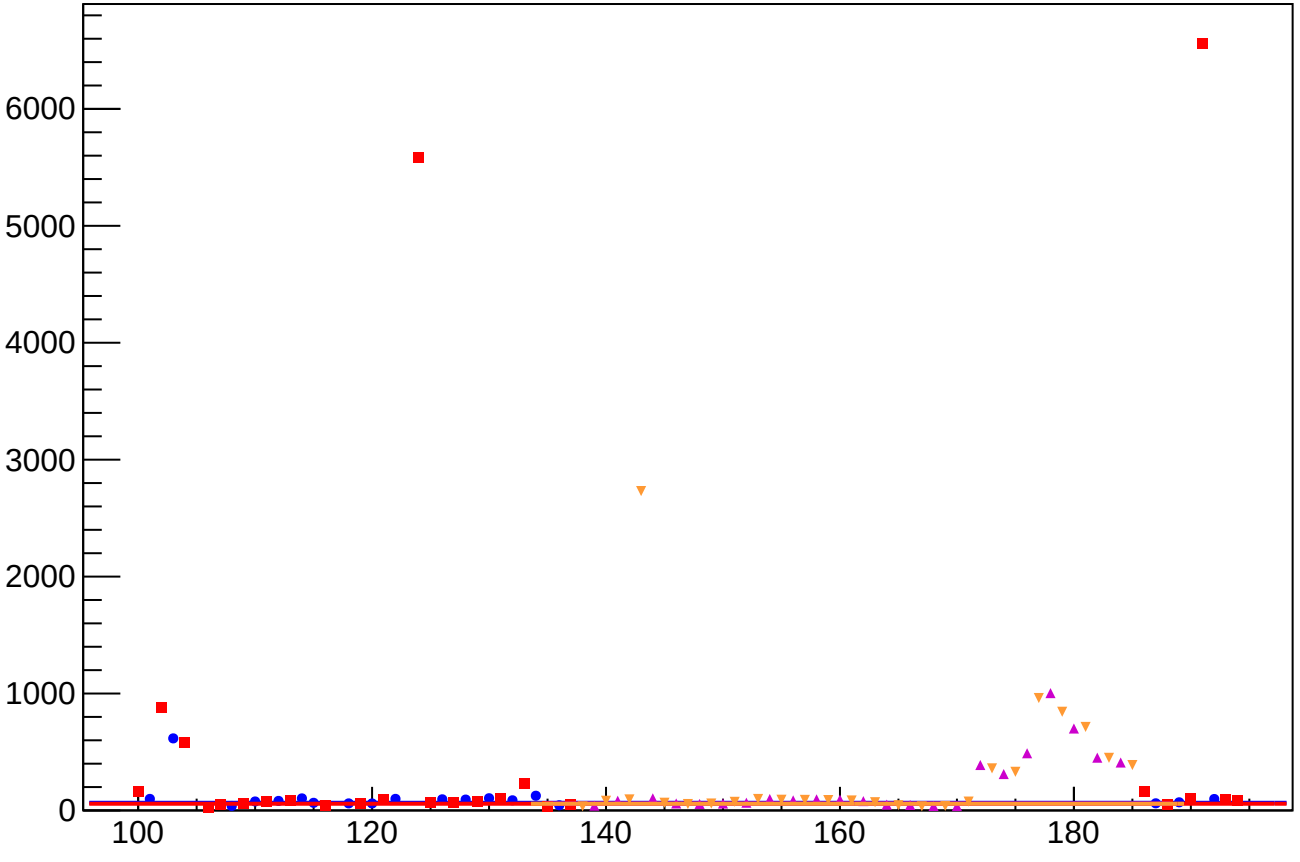
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.014 χ^2/NDF: 42.4/43

All: 0.013+/-0.010 χ^2/NDF: 88.6/91

- sign -0.005+/-0.013 χ^2/NDF: 42.6/47

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: 57.363+/-0.015 χ^2/NDF: 5180693.5/24

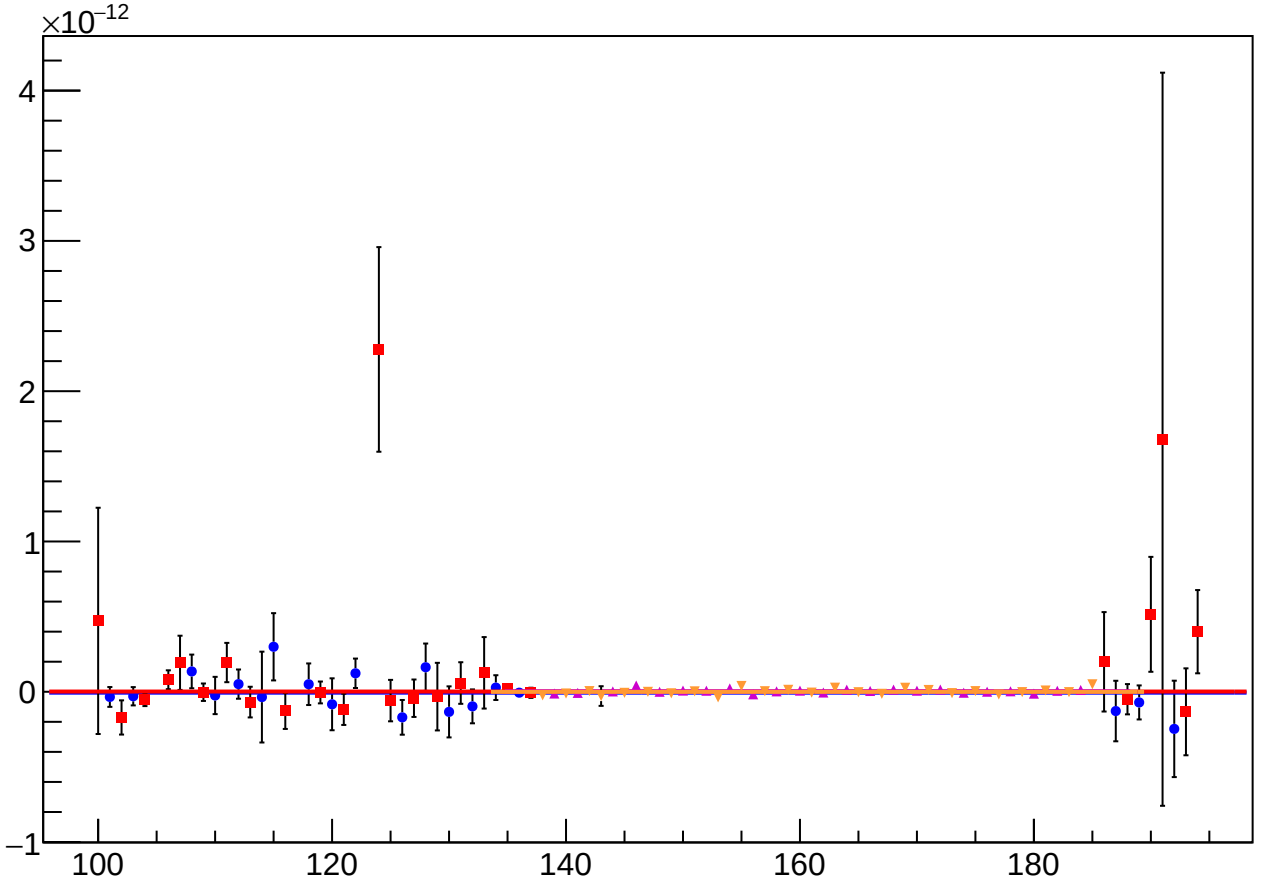
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

\+ sign 59.915+/-0.010 χ^2/NDF: 15121719.0/43

All: 58.962+/-0.007 χ^2/NDF: 30570893.9/91

\- sign 58.105+/-0.009 χ^2/NDF: 15431812.7/47

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

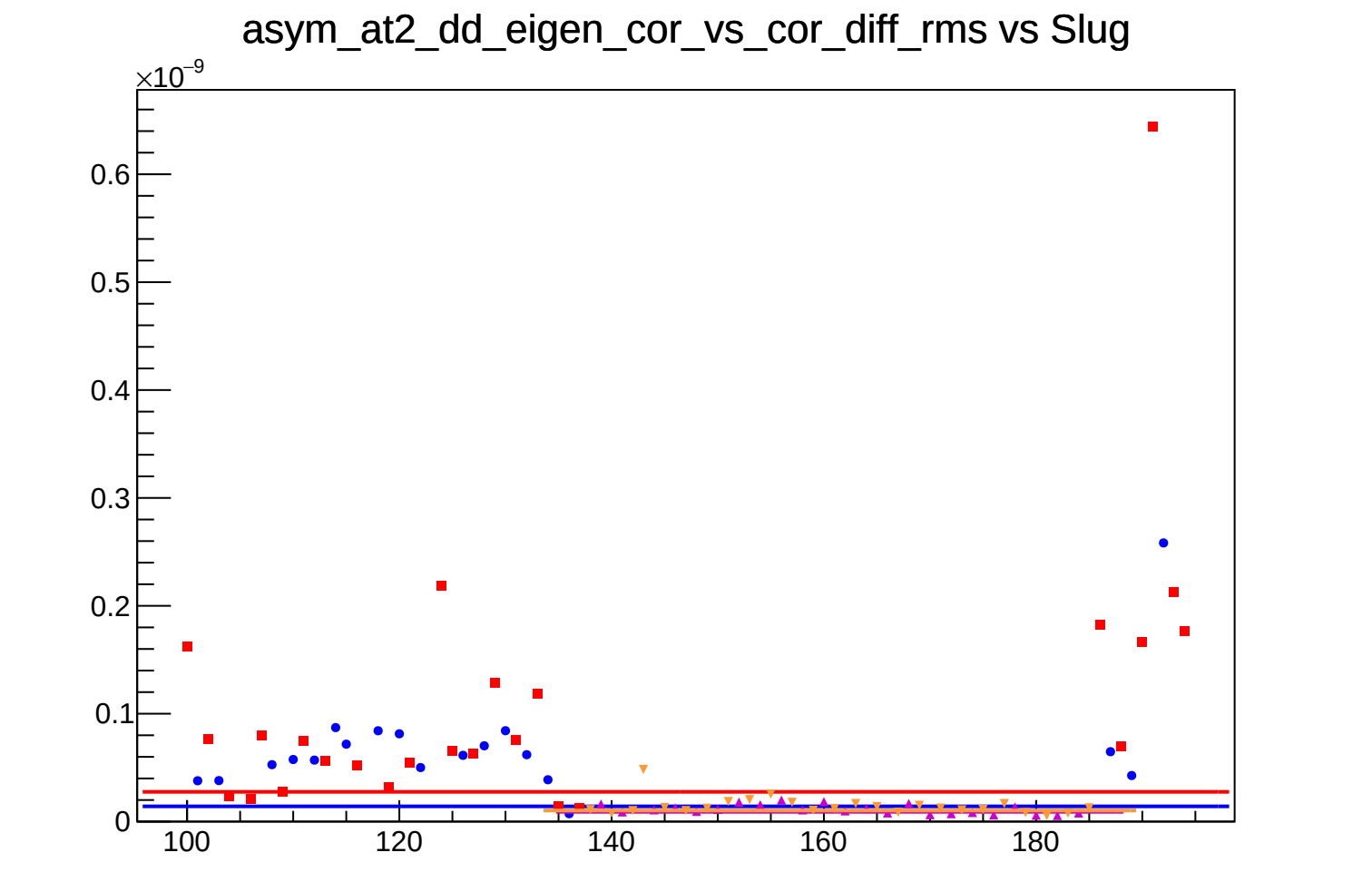
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/24

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

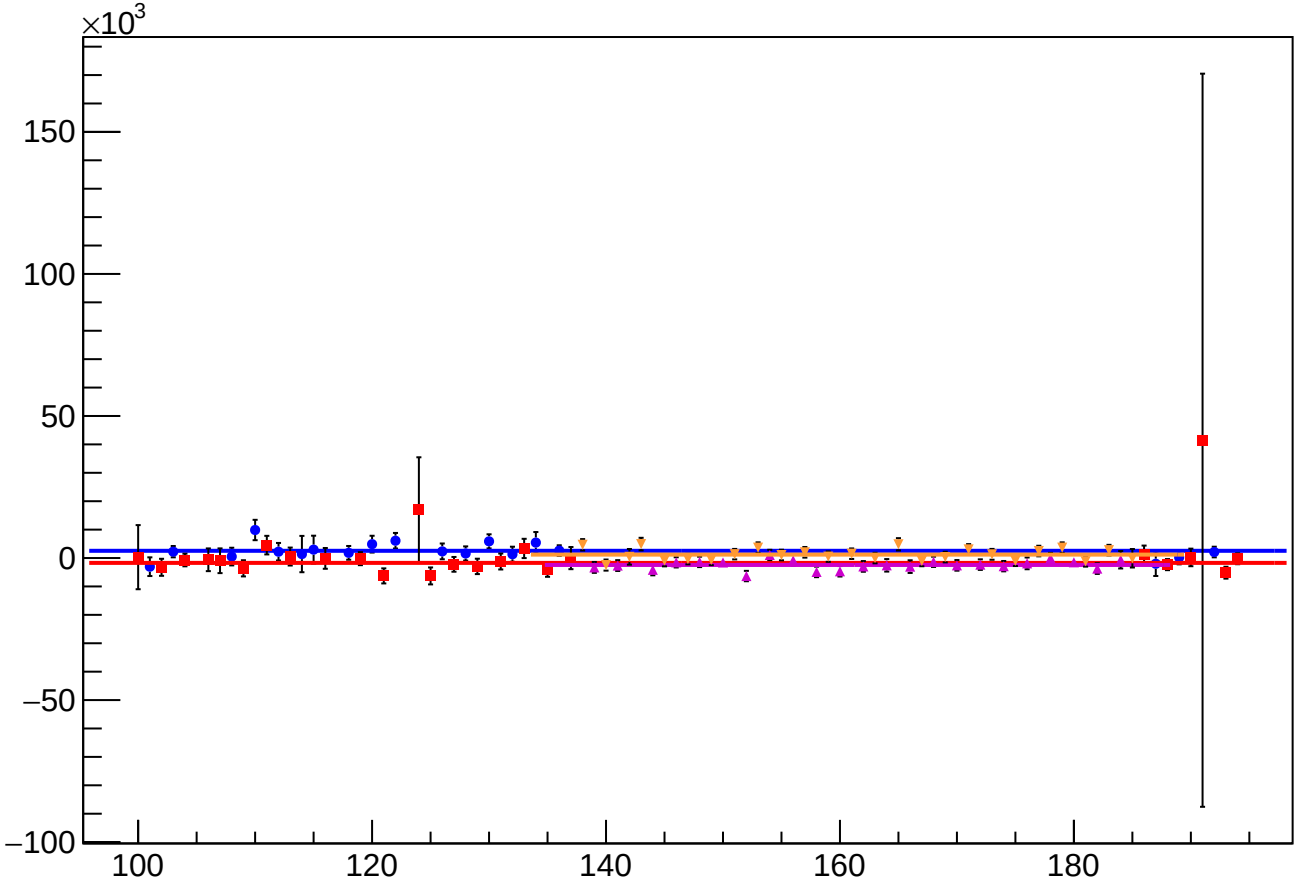
+ sign -0.000+/-0.000 χ^2/NDF: 31.2/43

All: 0.000+/-0.000 χ^2/NDF: 77.8/91

- sign 0.000+/-0.000 χ^2/NDF: 45.7/47


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 6413770.4/18
Left Out: 0.000+/-0.000 χ²/NDF:3643428.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 6218820.6/24
Left In: 0.000+/-0.000 χ²/NDF:3047861.1/22
+ sign 0.000+/-0.000 χ²/NDF: 10314091.8/43
All: 0.000+/-0.000 χ²/NDF: 22706651.1/91
- sign 0.000+/-0.000 χ²/NDF: 12286447.6/47

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: -1711.362+/-579.544 χ^2/NDF: 20.7/24

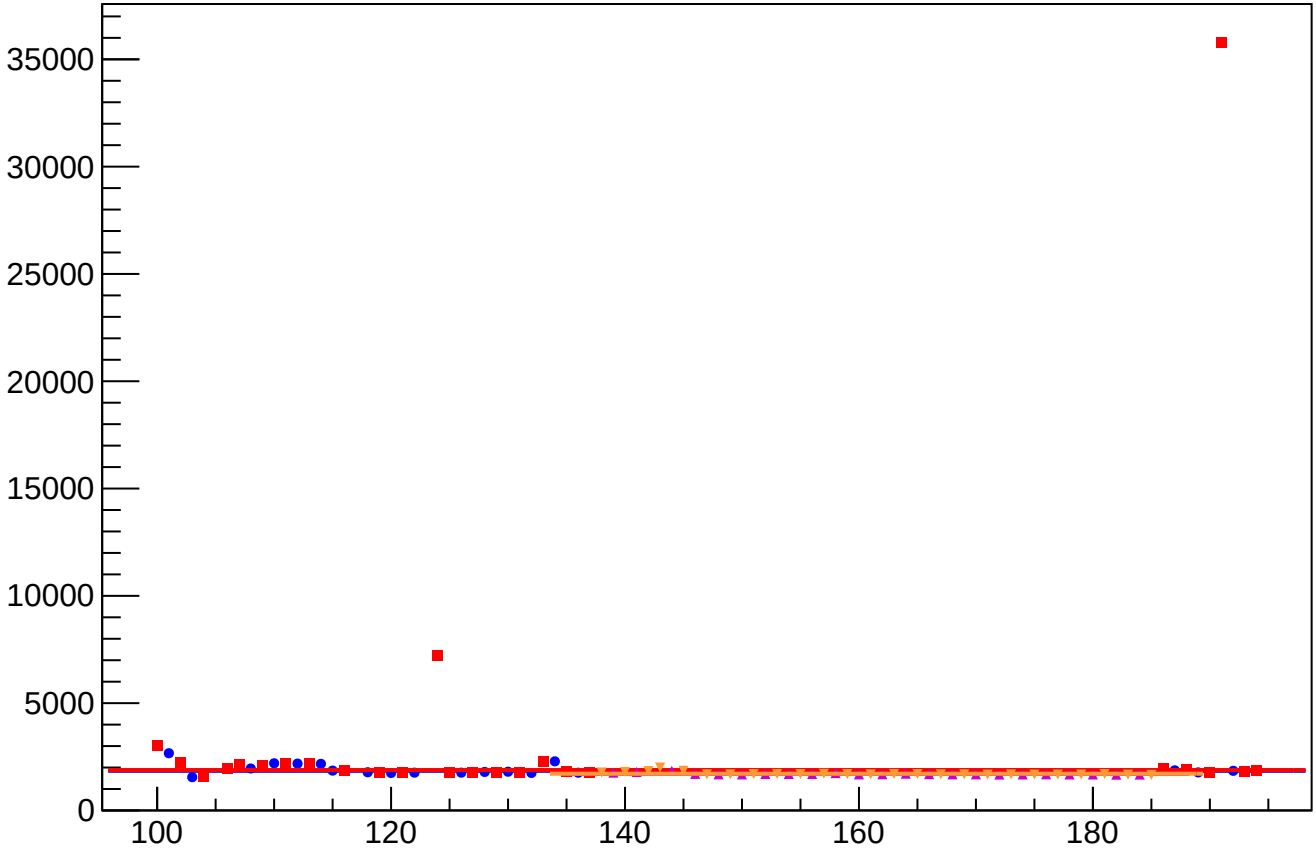
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1579.104+/-330.024 χ^2/NDF: 44.5/43

All: -324.622+/-232.667 χ^2/NDF: 149.9/91

- sign -2205.839+/-328.067 χ^2/NDF: 39.3/47

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: 1883.341+/-0.409 χ^2/NDF: 516195.2/24

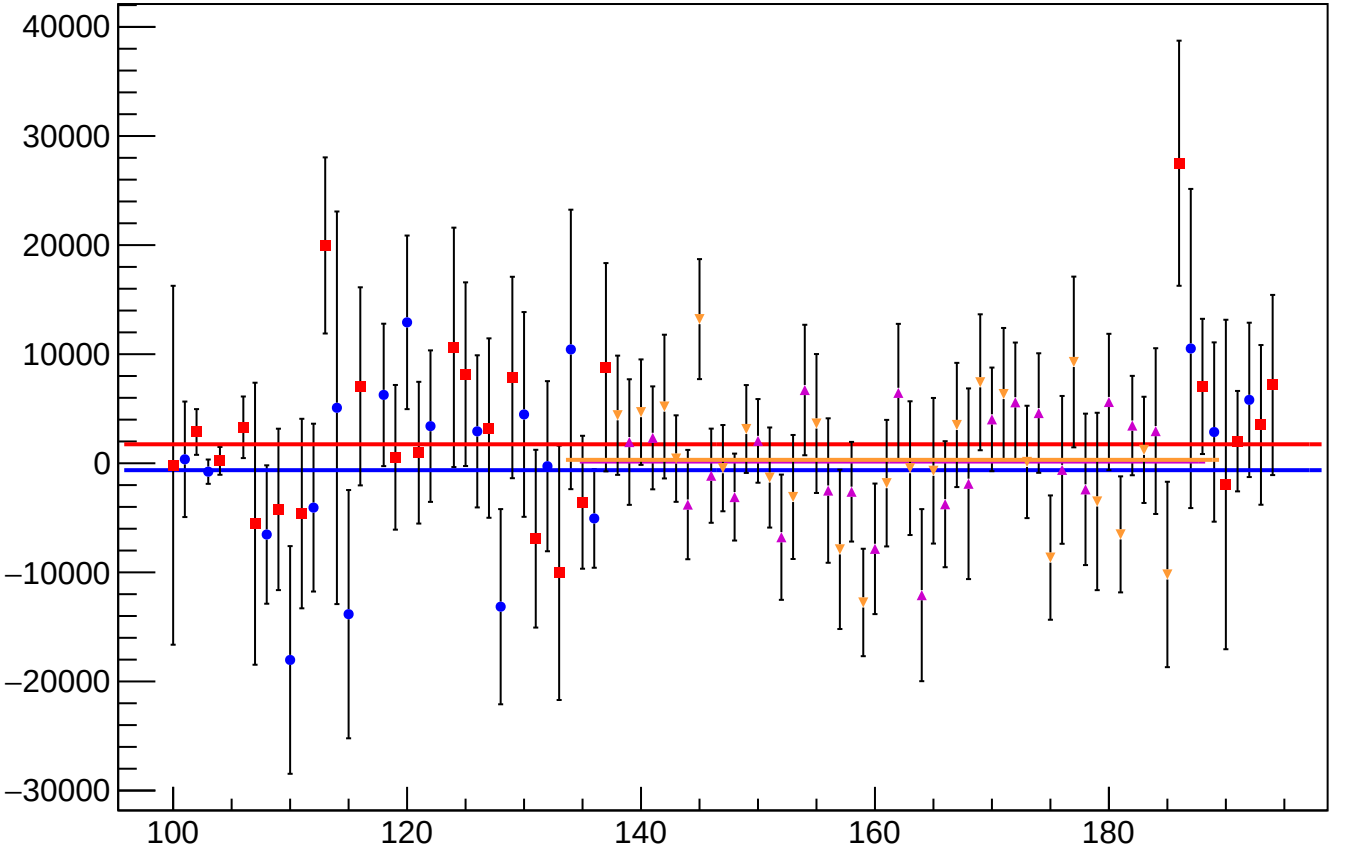
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1750.145+/-0.233 χ^2/NDF: 394773.3/43

All: 1755.894+/-0.164 χ^2/NDF: 1065214.9/91

- sign 1761.570+/-0.232 χ^2/NDF: 669235.3/47

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: 1741.057+/-873.417 χ^2/NDF: 20.7/24

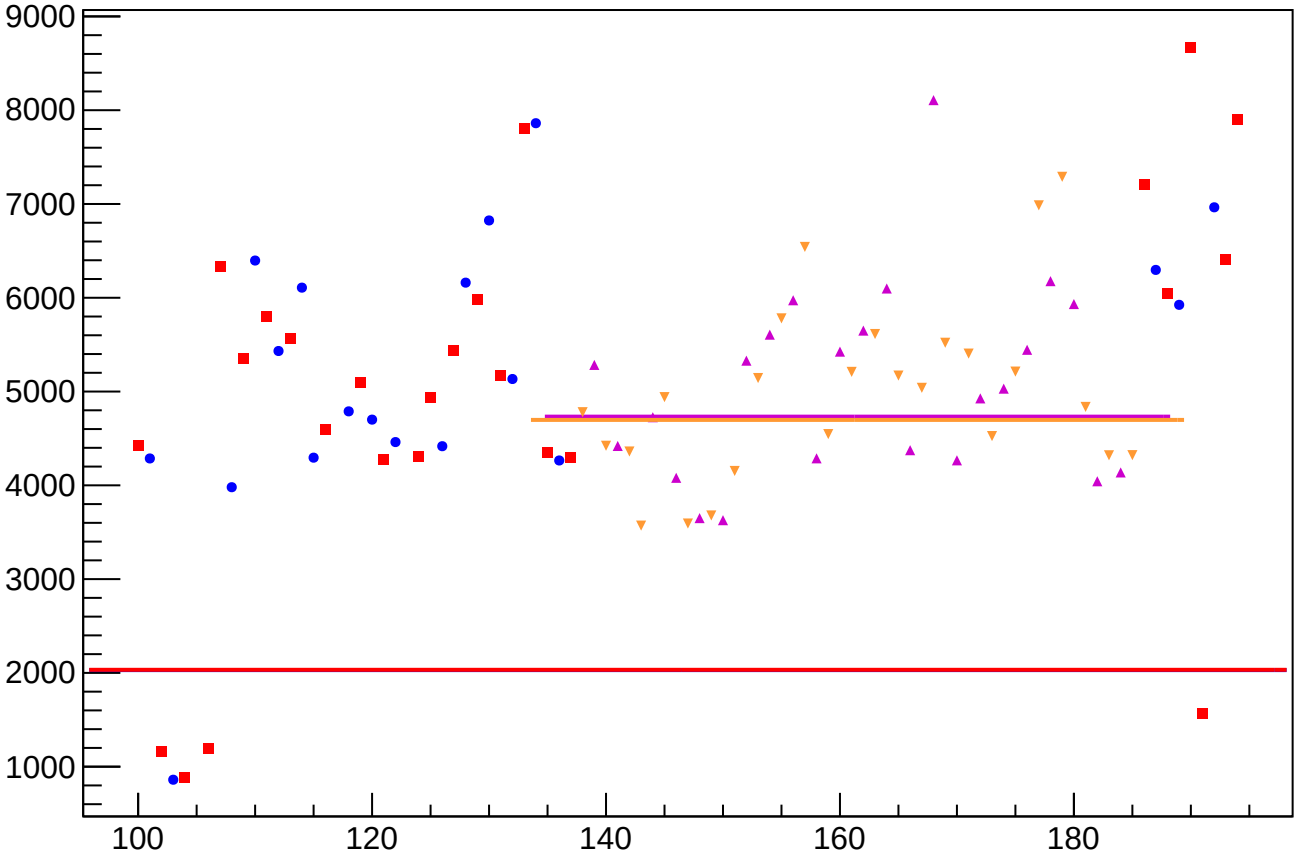
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

\+ sign -226.666+/-714.907 χ^2/NDF: 43.0/43

All: 484.323+/-496.735 χ^2/NDF: 81.5/91

\- sign 1147.969+/-690.696 χ^2/NDF: 36.7/47

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: 2032.911+/-0.618 χ^2/NDF: 10000049.3/24

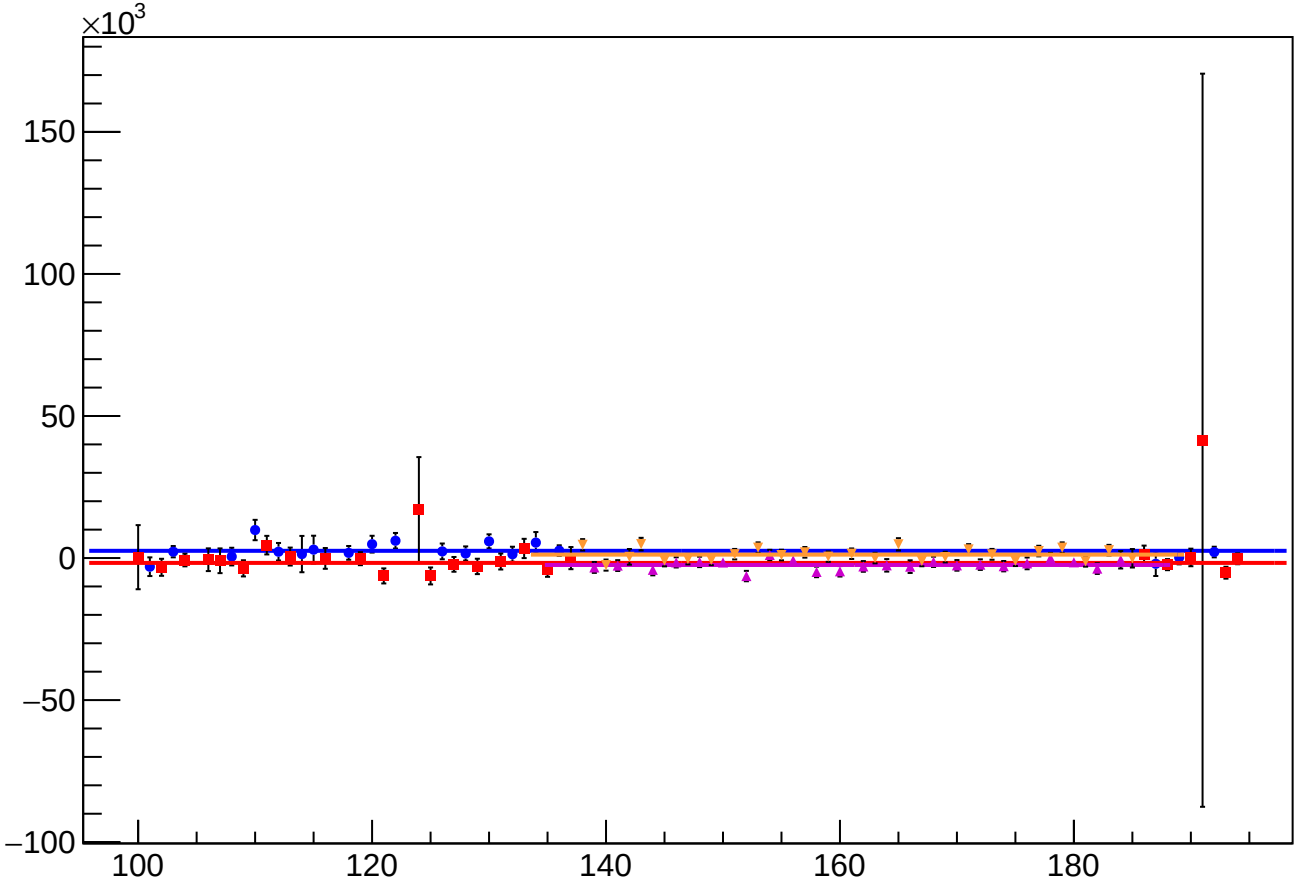
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3173.272+/-0.506 χ^2/NDF: 16560062.3/43

All: 3106.542+/-0.351 χ^2/NDF: 34994266.3/9

- sign 3044.255+/-0.488 χ^2/NDF: 18400514.2/47

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: -1710.452+/-579.545 χ^2/NDF: 20.8/24

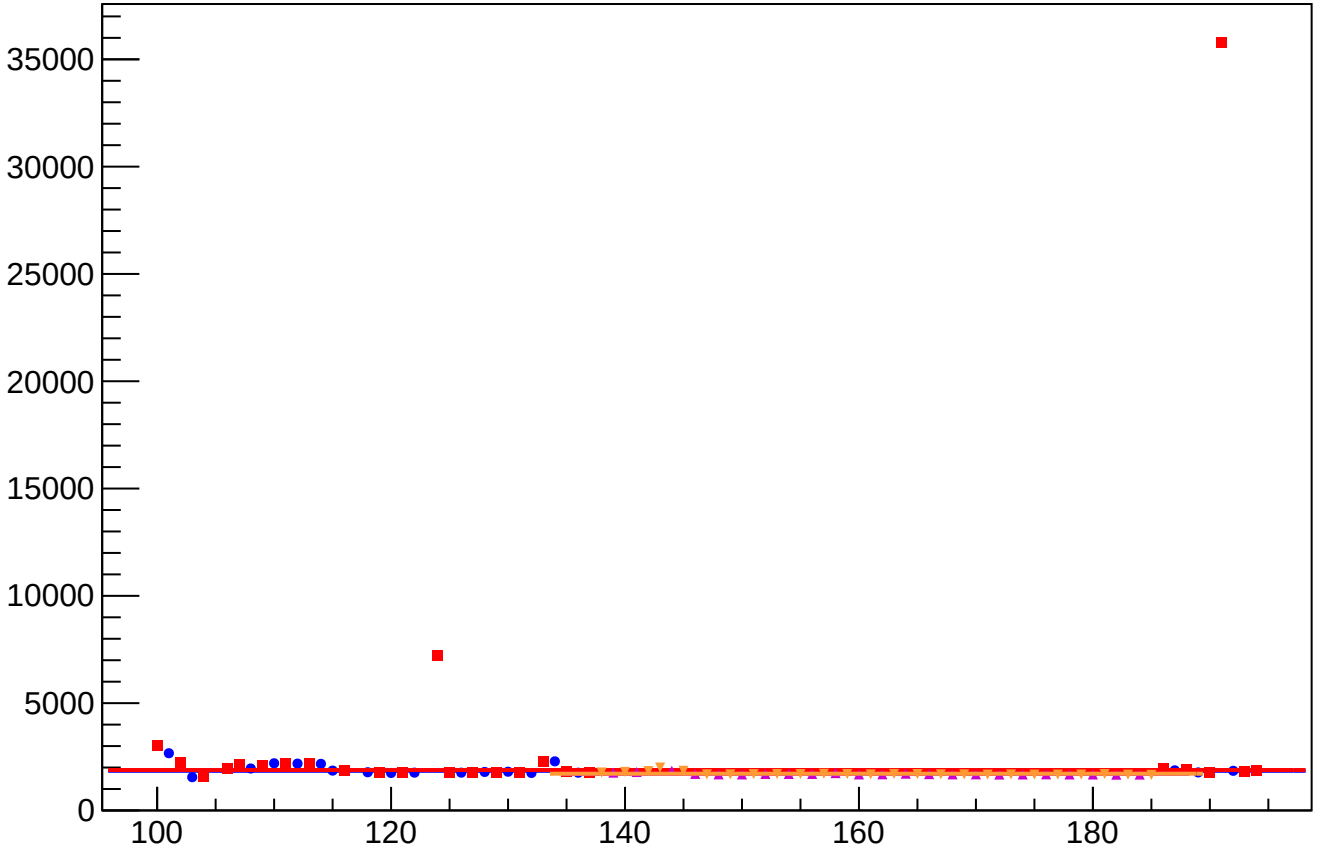
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1579.067+/-330.024 χ^2/NDF: 44.5/43

All: -324.471+/-232.667 χ^2/NDF: 149.9/91

- sign -2205.501+/-328.067 χ^2/NDF: 39.3/47

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: 1883.647+/-0.409 χ^2/NDF: 516466.9/24

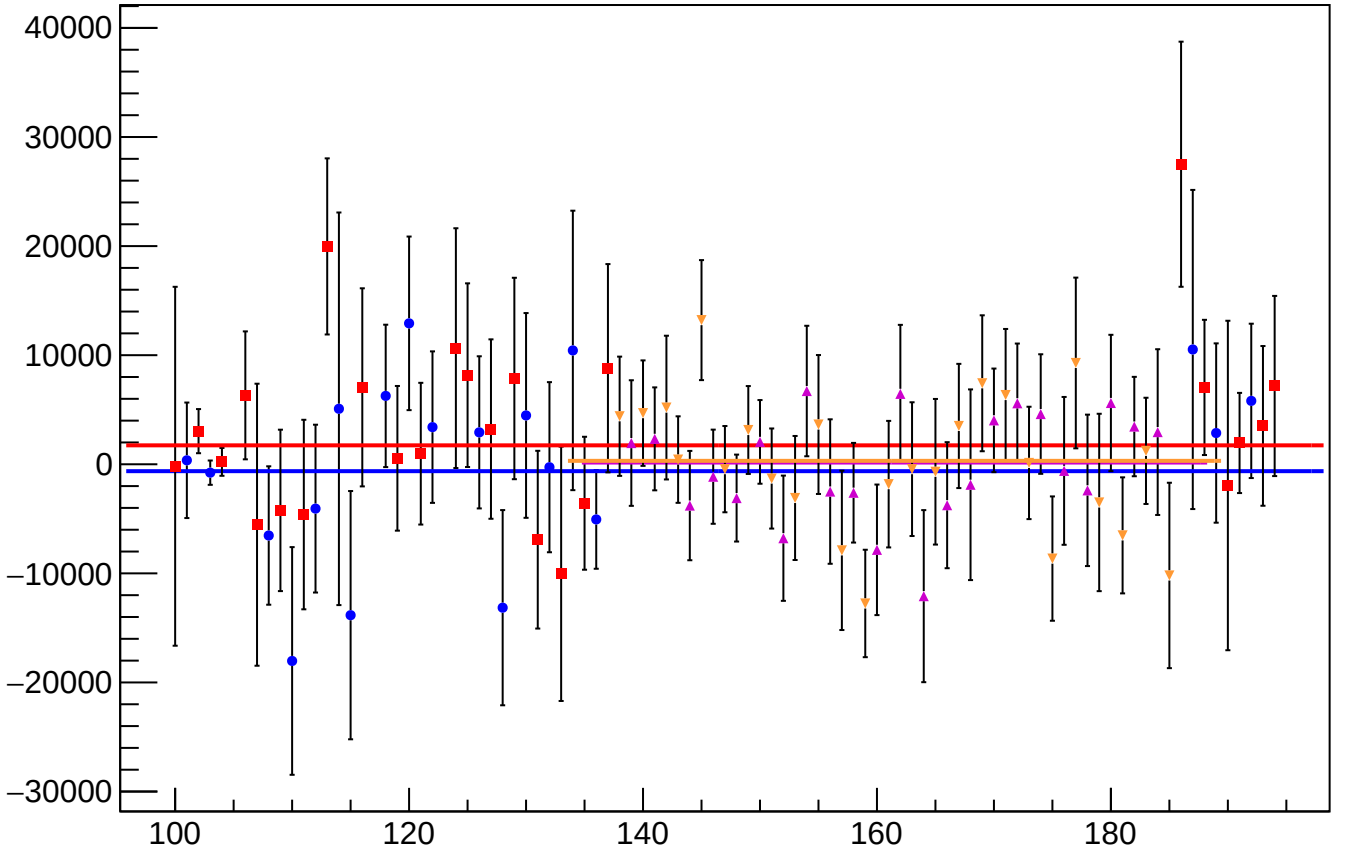
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1750.145+/-0.233 χ^2/NDF: 394773.2/43

All: 1755.937+/-0.164 χ^2/NDF: 1065923.1/91

- sign 1761.656+/-0.232 χ^2/NDF: 669925.4/47

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: 1735.547+/-901.148 χ^2/NDF: 21.2/24

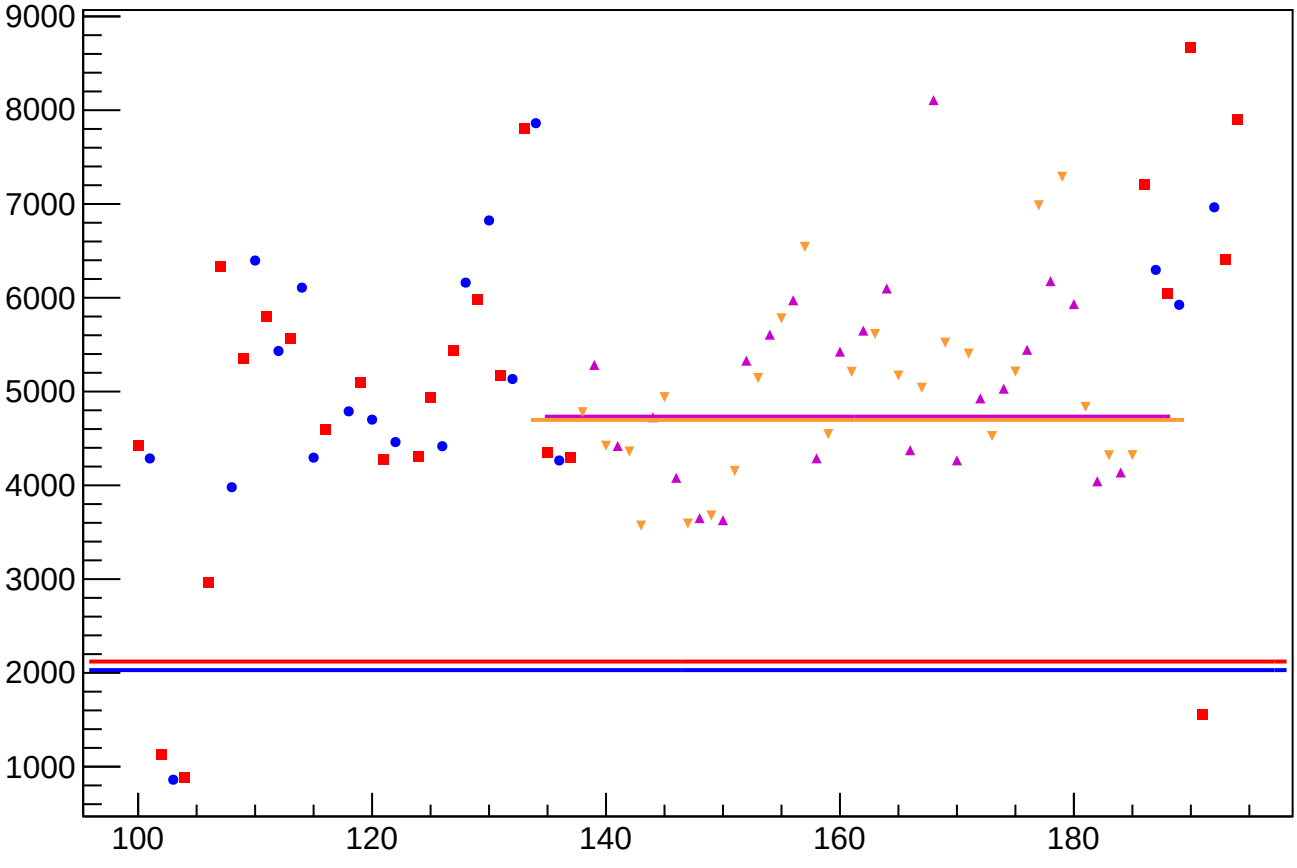
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

\+ sign -226.424+/-714.885 χ^2/NDF: 43.0/43

All: 457.590+/-501.668 χ^2/NDF: 81.8/91

\- sign 1121.247+/-704.167 χ^2/NDF: 37.1/47

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: 2120.996+/-0.637 χ^2/NDF: 9913466.0/24

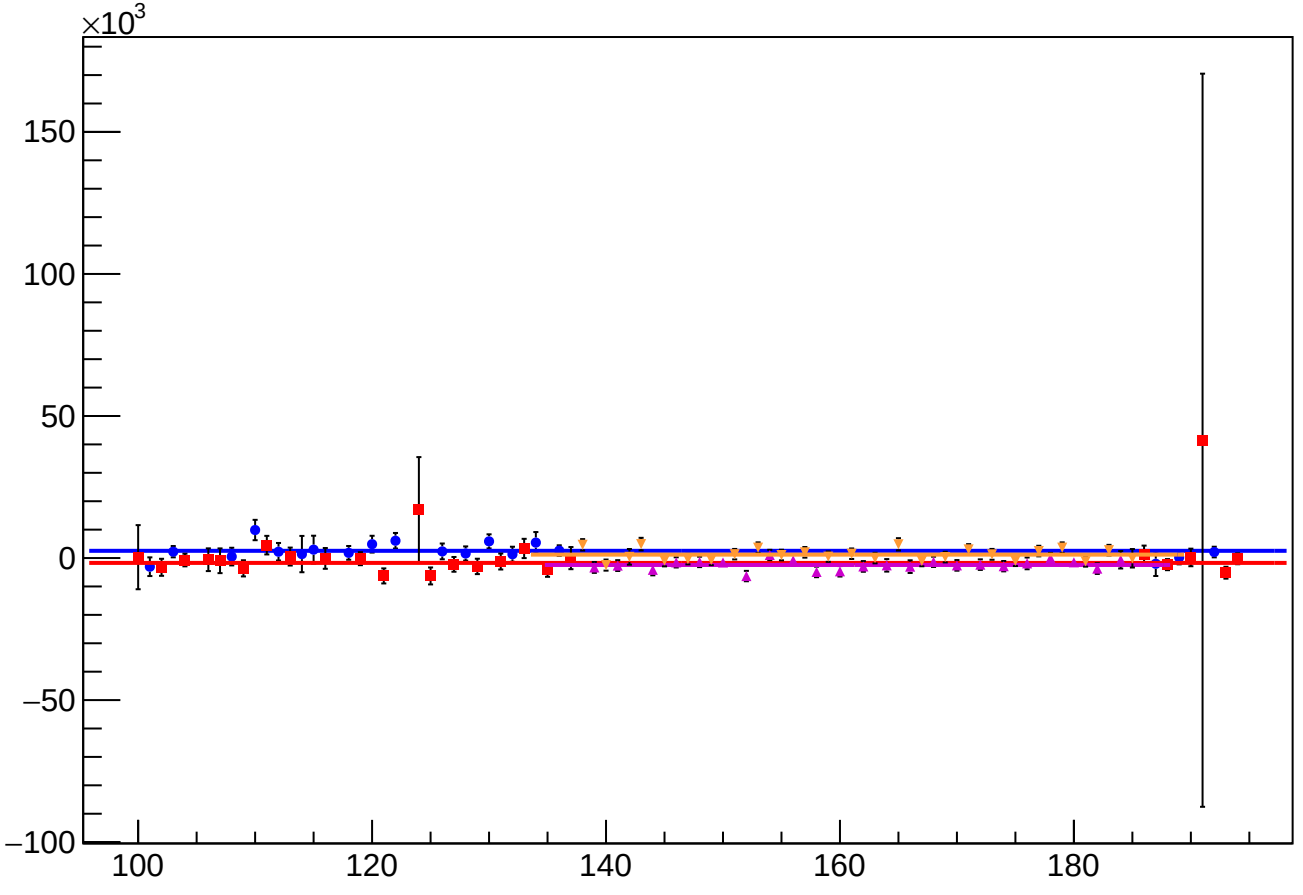
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3173.107+/-0.506 χ^2/NDF: 16561755.1/43

All: 3155.225+/-0.355 χ^2/NDF: 34260611.5/9

- sign 3137.875+/-0.498 χ^2/NDF: 17696390.9/47

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: -1710.452+/-579.545 χ^2/NDF: 20.8/24

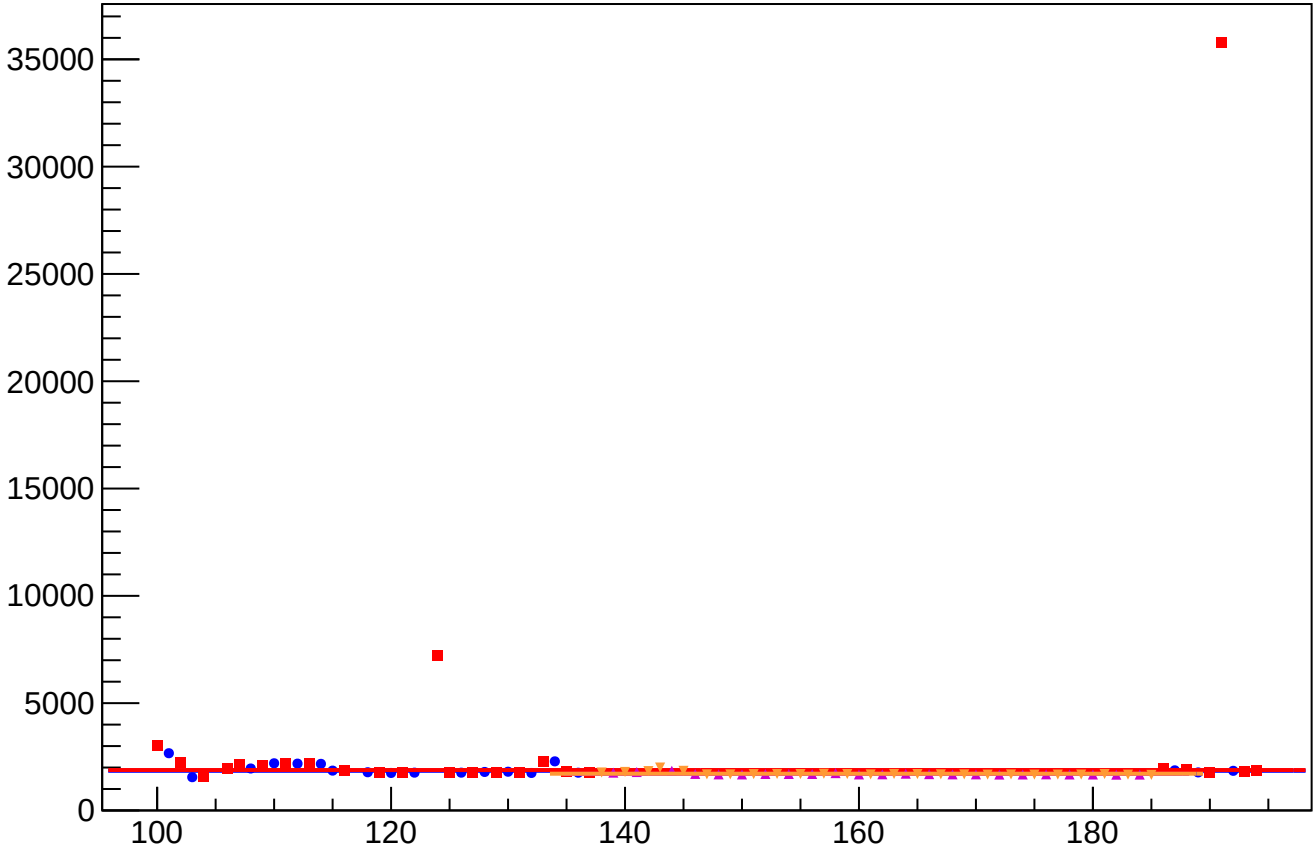
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1579.067+/-330.024 χ^2/NDF: 44.5/43

All: -324.471+/-232.667 χ^2/NDF: 149.9/91

- sign -2205.501+/-328.067 χ^2/NDF: 39.3/47

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

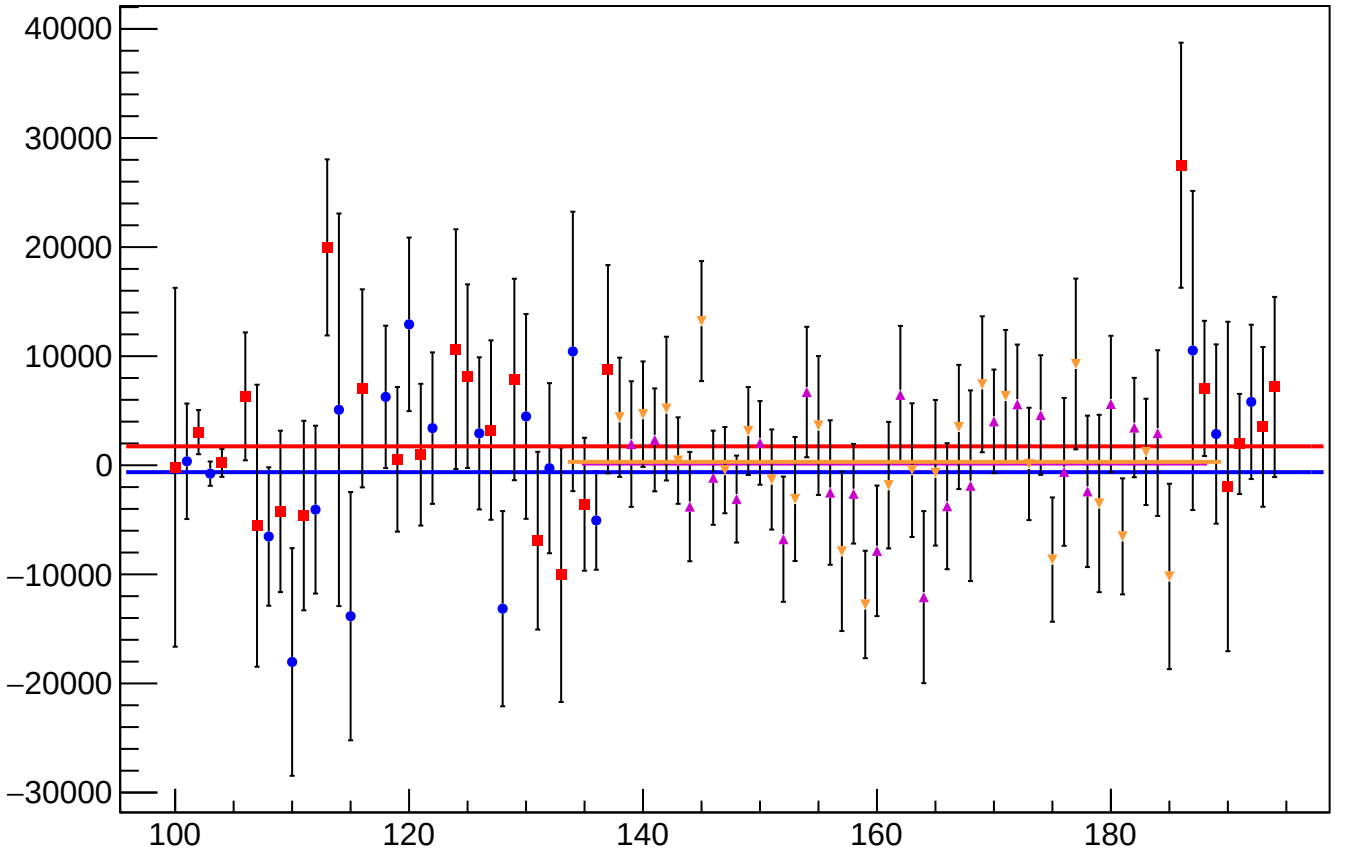
Right Out: 1883.647+/-0.409 χ^2/NDF: 516466.9/24

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1750.145+/-0.233 χ^2/NDF: 394773.2/43

All: 1755.937+/-0.164 χ^2/NDF: 1065923.1/91

- sign 1761.656+/-0.232 χ^2/NDF: 669925.4/47



Right In: -631.844+/-945.724 χ^2/NDF: 15.5/18

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1735.547+/-901.148 χ^2/NDF: 21.2/24

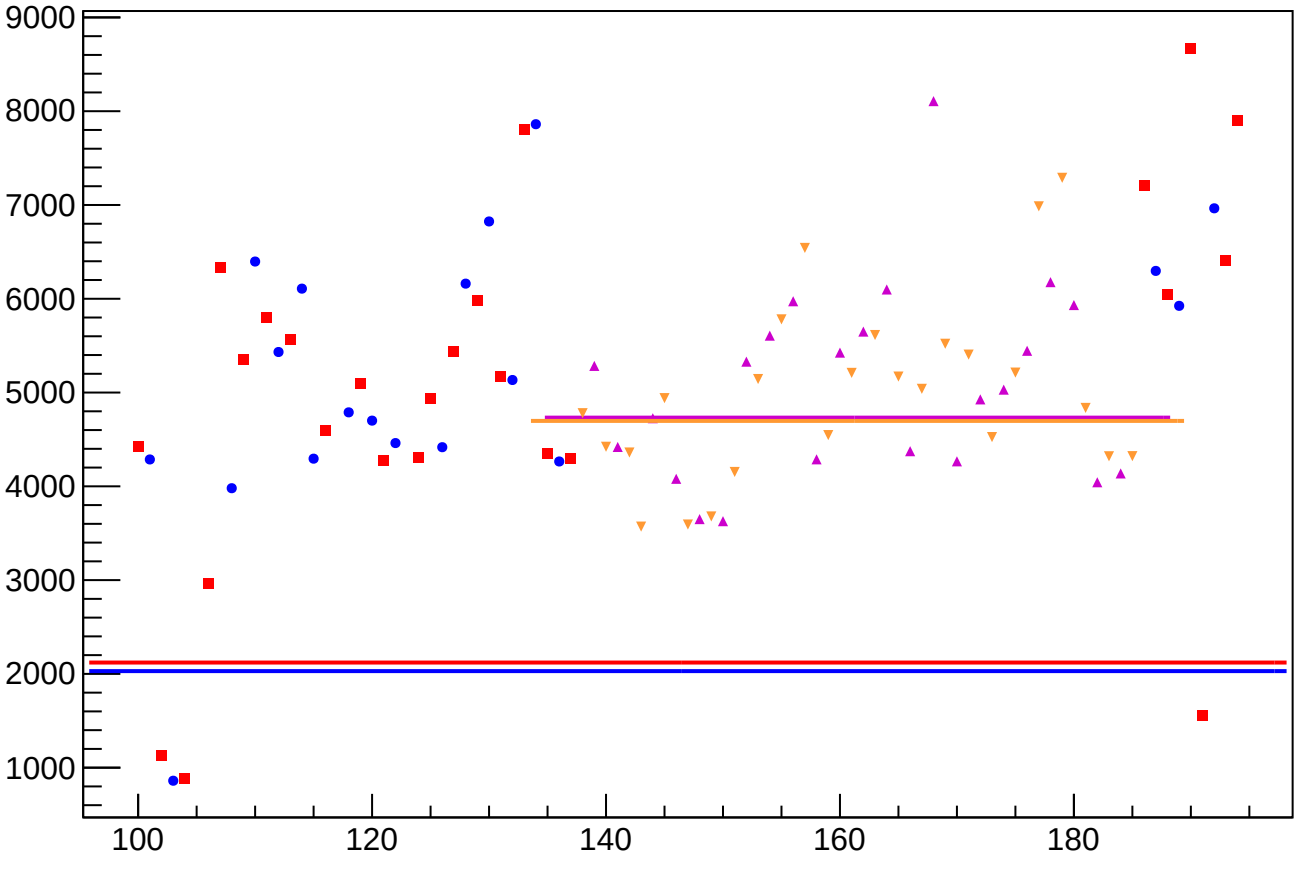
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -226.424+/-714.885 χ^2/NDF: 43.0/43

All: 457.590+/-501.668 χ^2/NDF: 81.8/91

- sign 1121.247+/-704.167 χ^2/NDF: 37.1/47

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: 2120.996+/-0.637 χ^2/NDF: 9913466.0/24

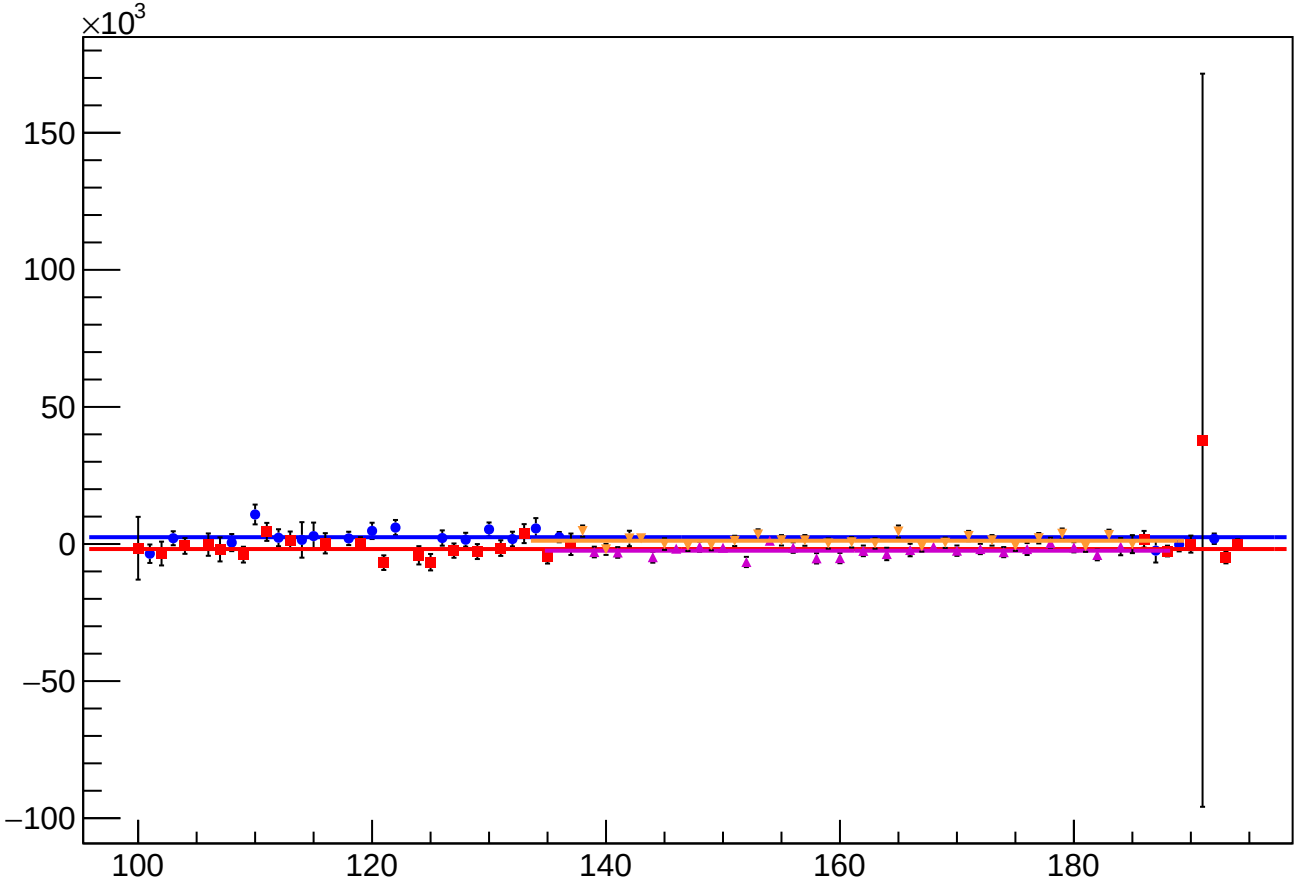
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3173.107+/-0.506 χ^2/NDF: 16561755.1/43

All: 3155.225+/-0.355 χ^2/NDF: 34260611.5/9

- sign 3137.875+/-0.498 χ^2/NDF: 17696390.9/47

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: -1831.830+/-589.205 χ^2/NDF: 22.2/24

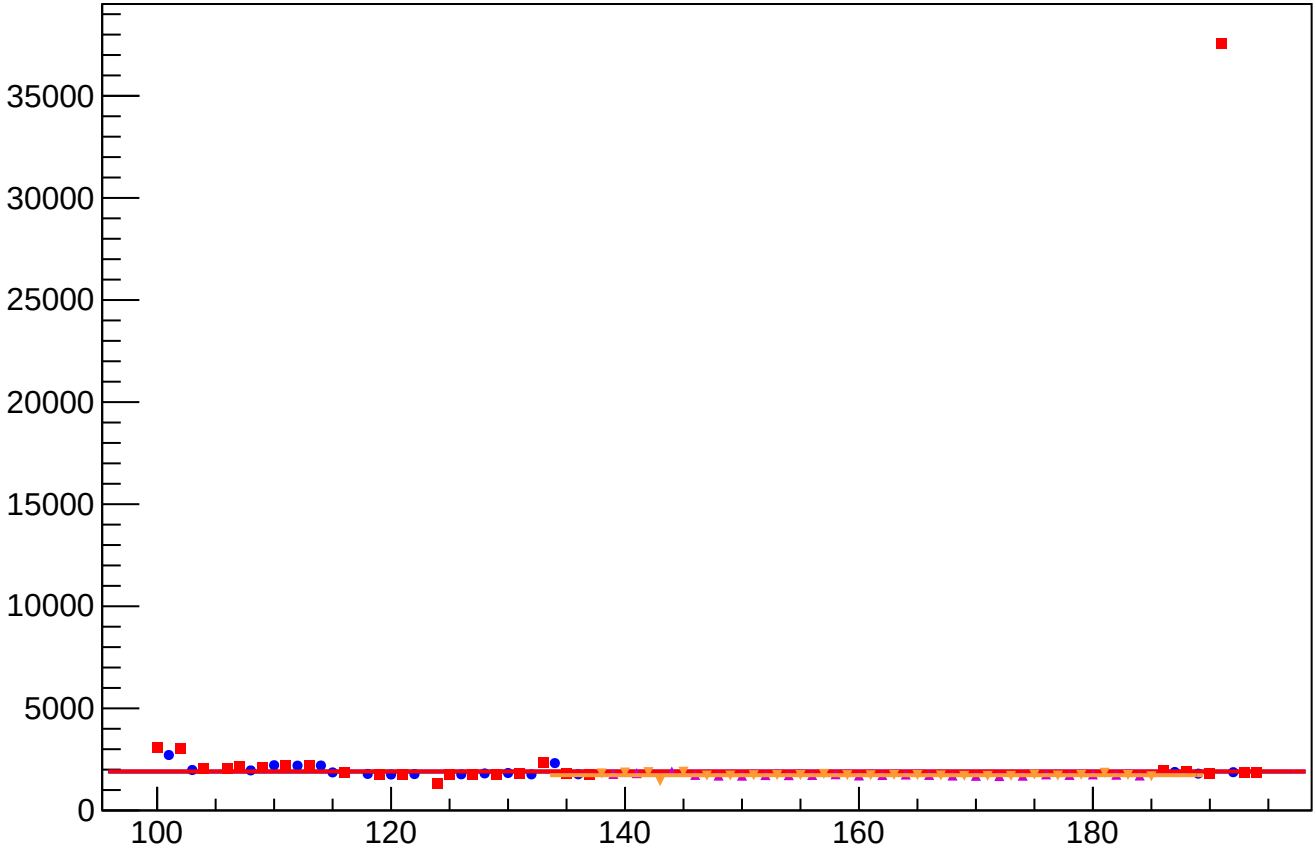
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1550.075+/-335.086 χ^2/NDF: 38.4/43

All: -345.360+/-236.975 χ^2/NDF: 145.9/91

- sign -2241.877+/-335.181 χ^2/NDF: 43.5/47

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: 1910.218+/-0.416 χ^2/NDF: 497901.1/24

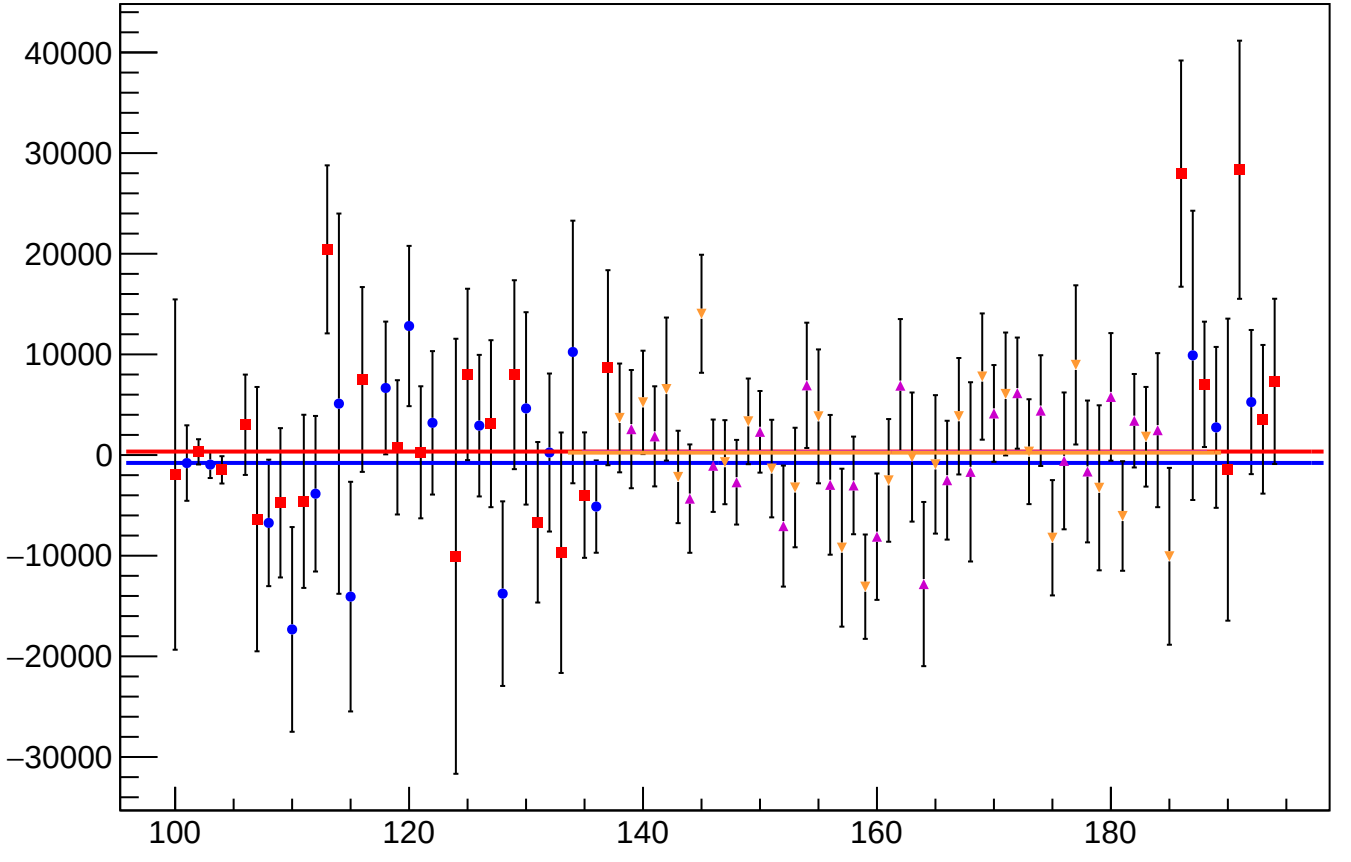
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1775.717+/-0.237 χ^2/NDF: 442031.7/43

All: 1786.986+/-0.168 χ^2/NDF: 1078174.5/91

- sign 1798.258+/-0.237 χ^2/NDF: 631618.2/47

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: 345.873+/-813.953 χ^2/NDF: 27.0/24

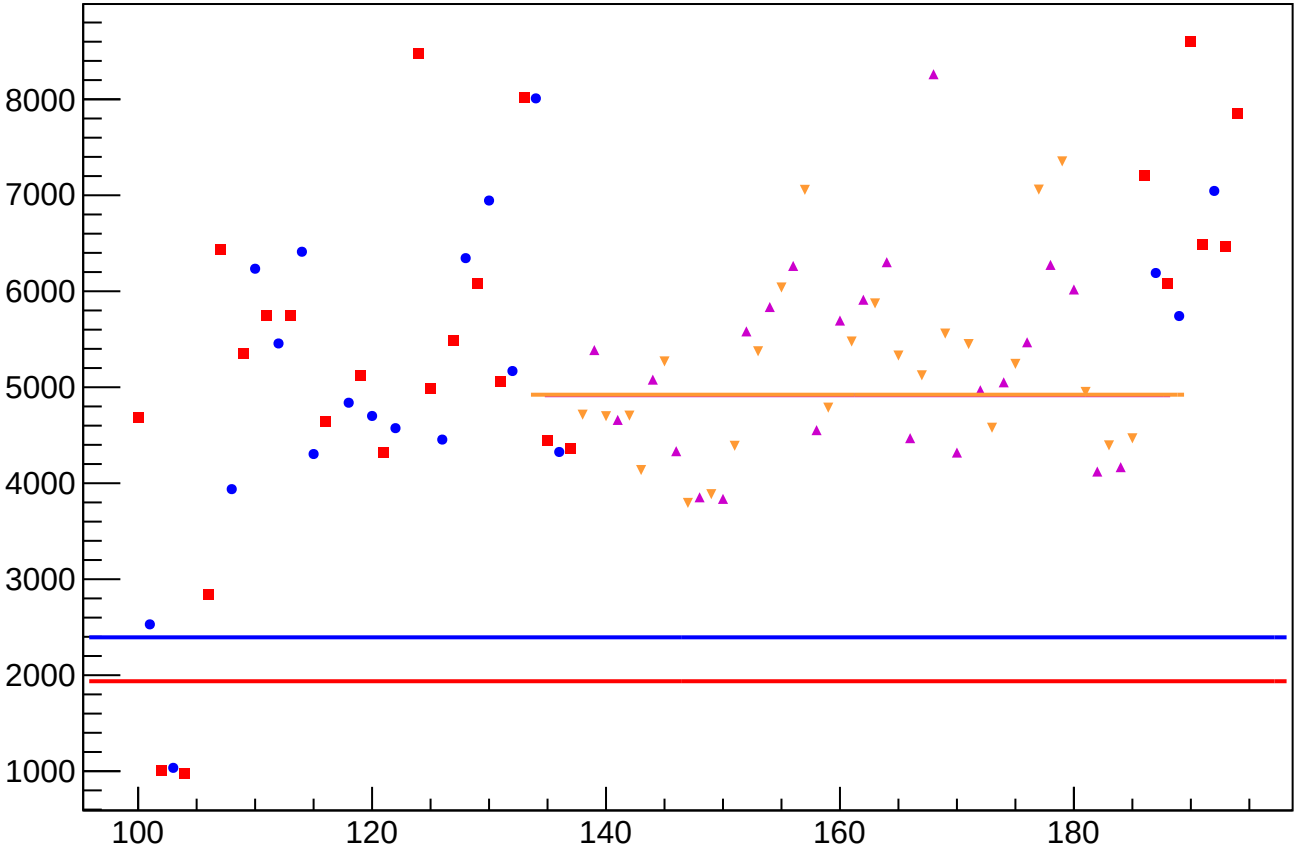
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -314.165+/-772.048 χ^2/NDF: 42.5/43

All: 55.718+/-505.313 χ^2/NDF: 84.4/91

- sign 332.919+/-668.357 χ^2/NDF: 41.4/47

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

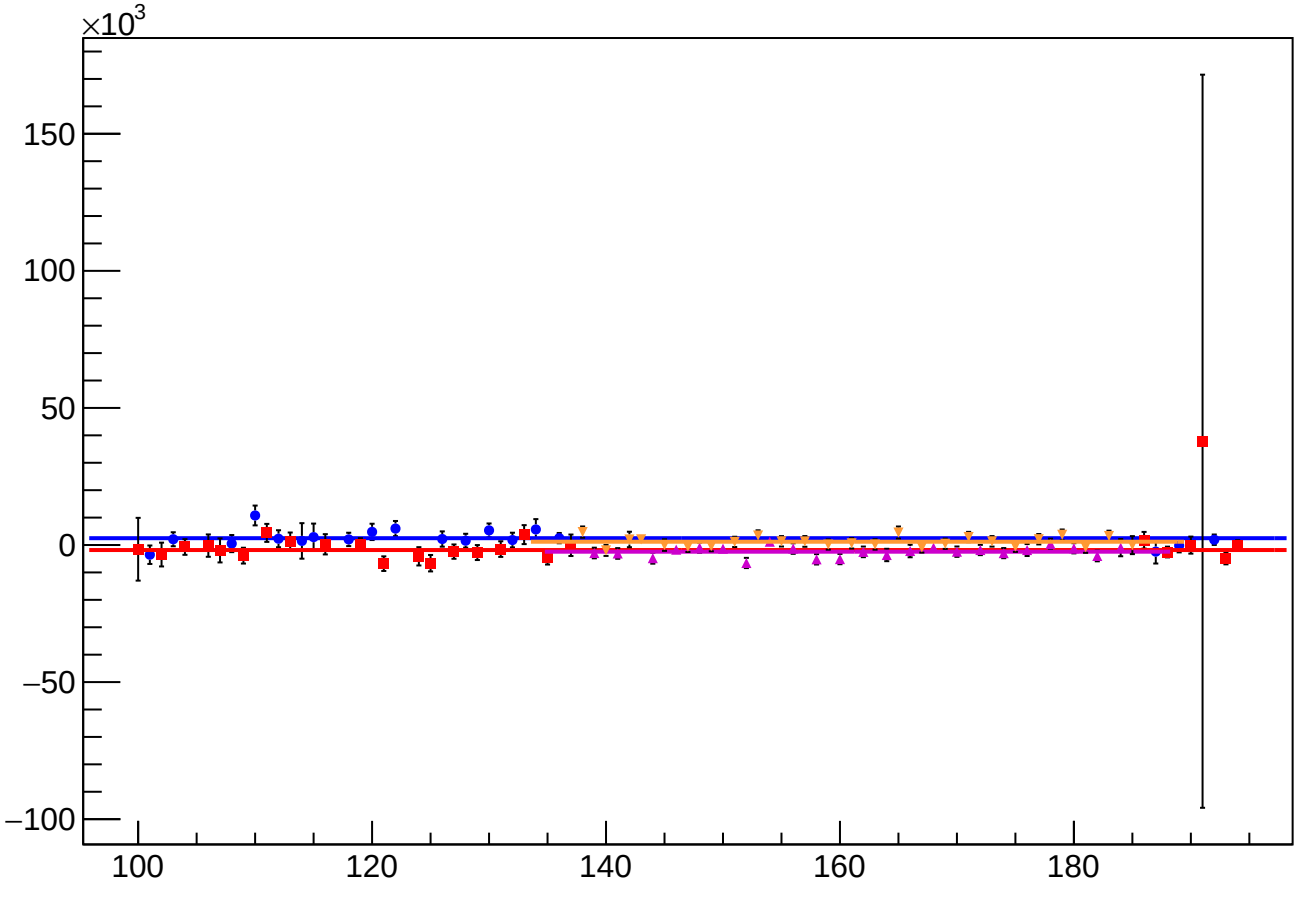
Right Out: 1937.146+/-0.576 χ^2/NDF: 10813099.0/24

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3552.010+/-0.546 χ^2/NDF: 13265128.4/43

All: 3183.788+/-0.357 χ^2/NDF: 34767499.7/9

- sign 2907.833+/-0.473 χ^2/NDF: 20706473.7/47



Right In: 2489.621+/-641.386 χ^2/NDF: 15.9/18

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1831.833+/-589.205 χ^2/NDF: 22.2/24

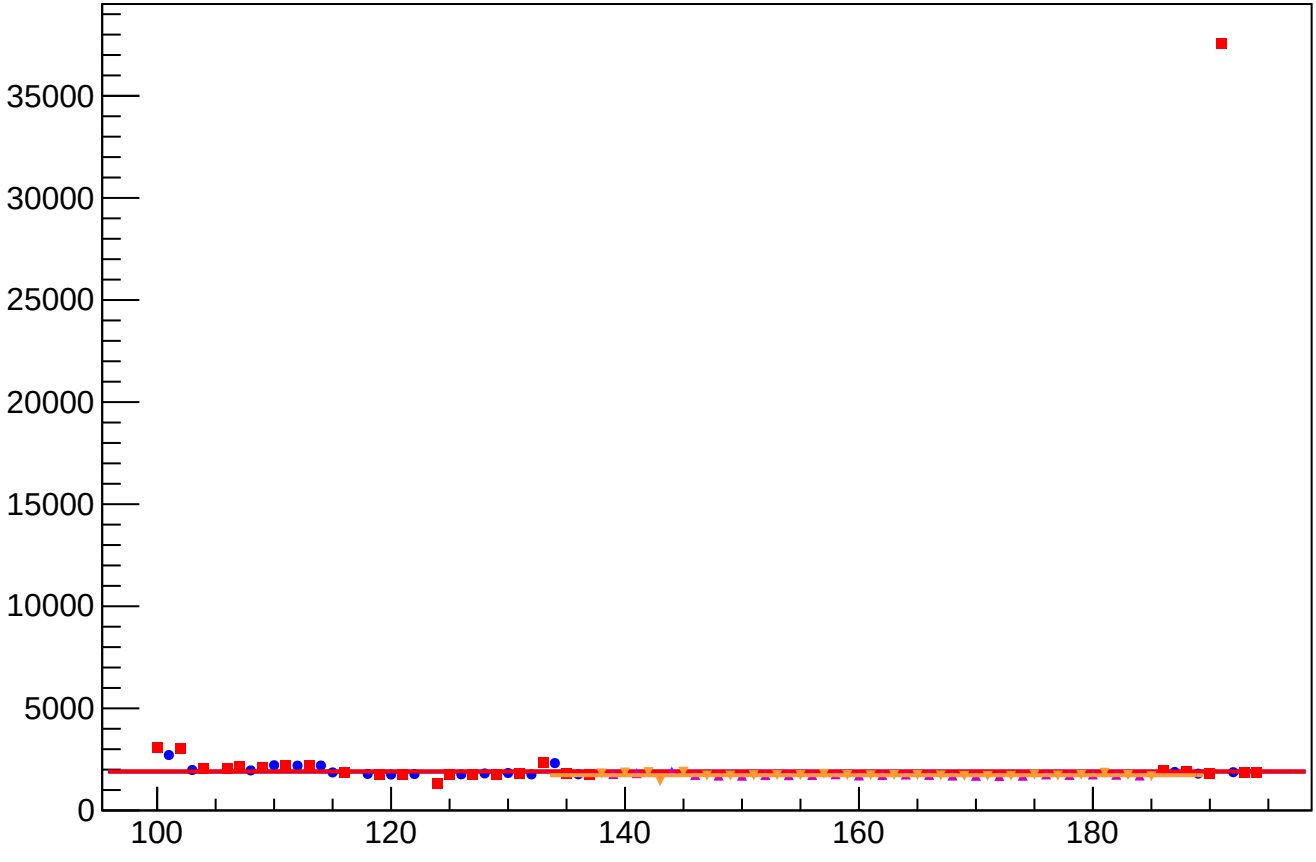
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1550.072+/-335.086 χ^2/NDF: 38.4/43

All: -345.362+/-236.975 χ^2/NDF: 145.9/91

- sign -2241.878+/-335.181 χ^2/NDF: 43.5/47

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: 1910.217+/-0.416 χ^2/NDF: 497900.0/24

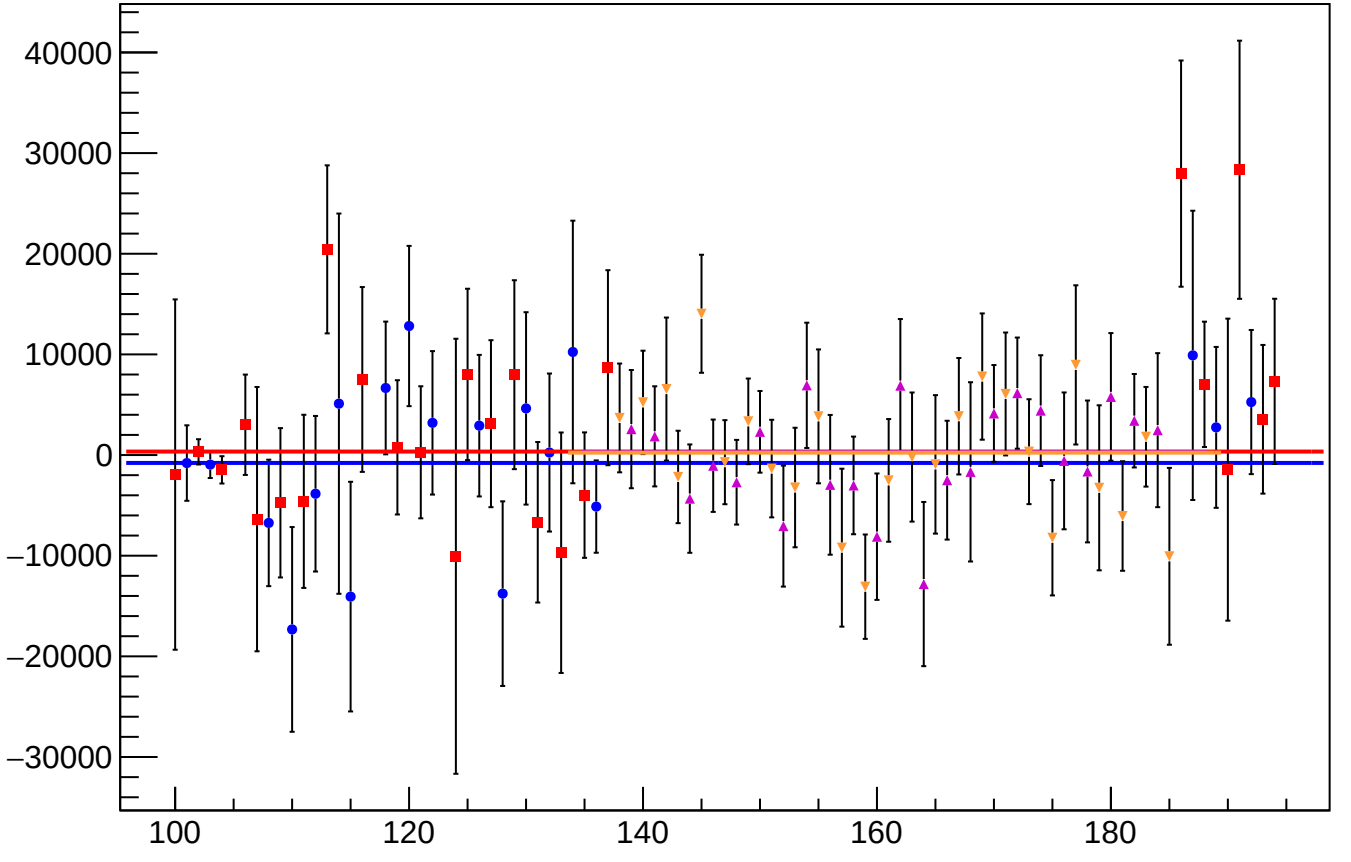
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1775.718+/-0.237 χ^2/NDF: 442028.9/43

All: 1786.987+/-0.168 χ^2/NDF: 1078169.3/91

- sign 1798.258+/-0.237 χ^2/NDF: 631615.8/47

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

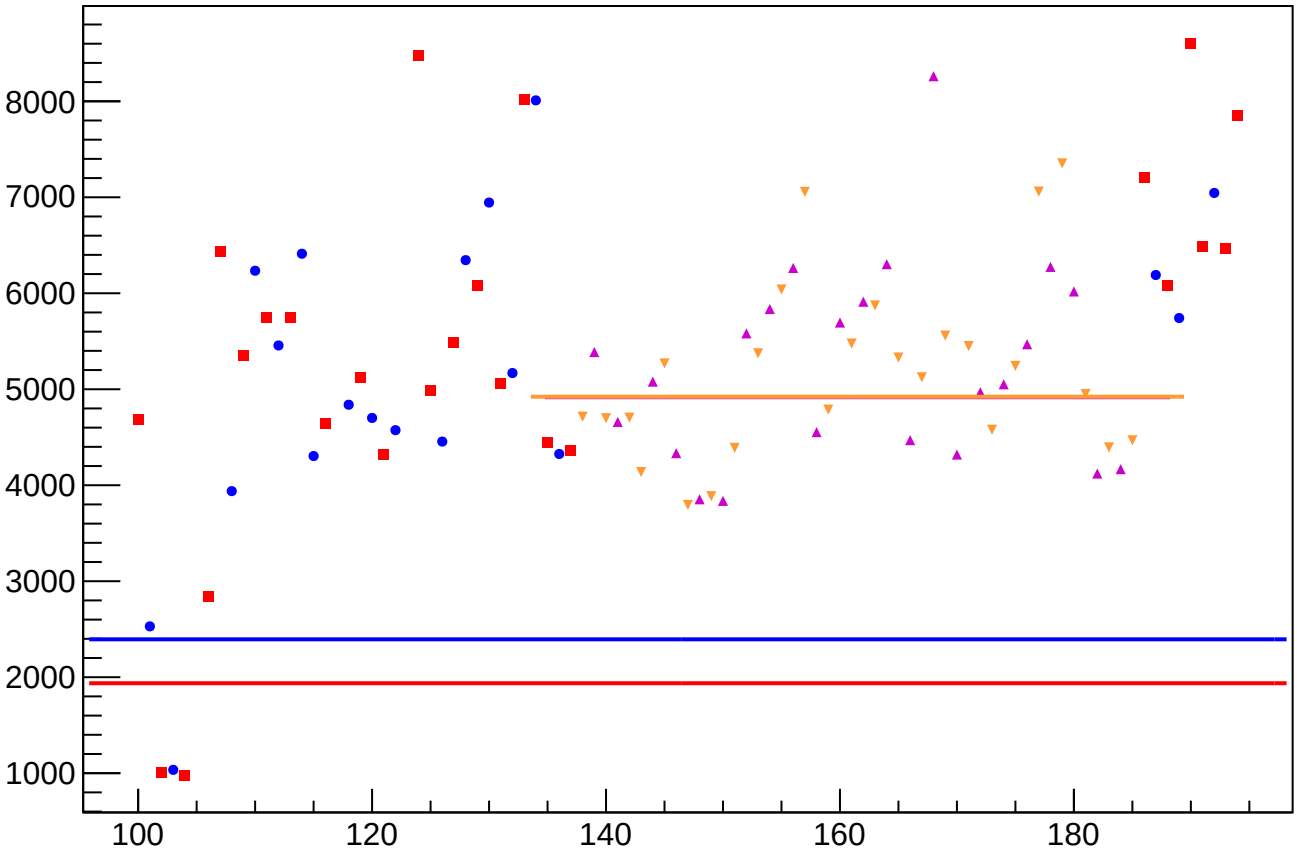
Right Out: 345.878+/-813.952 χ^2/NDF: 27.0/24

Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign -314.167+/-772.048 χ^2/NDF: 42.5/43

All: 55.720+/-505.313 χ^2/NDF: 84.4/91

- sign 332.923+/-668.357 χ^2/NDF: 41.4/47



Right In: 2394.604+/-0.741 χ^2/NDF: 6892836.6/18

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 1937.146+/-0.576 χ^2/NDF: 10813091.7/24

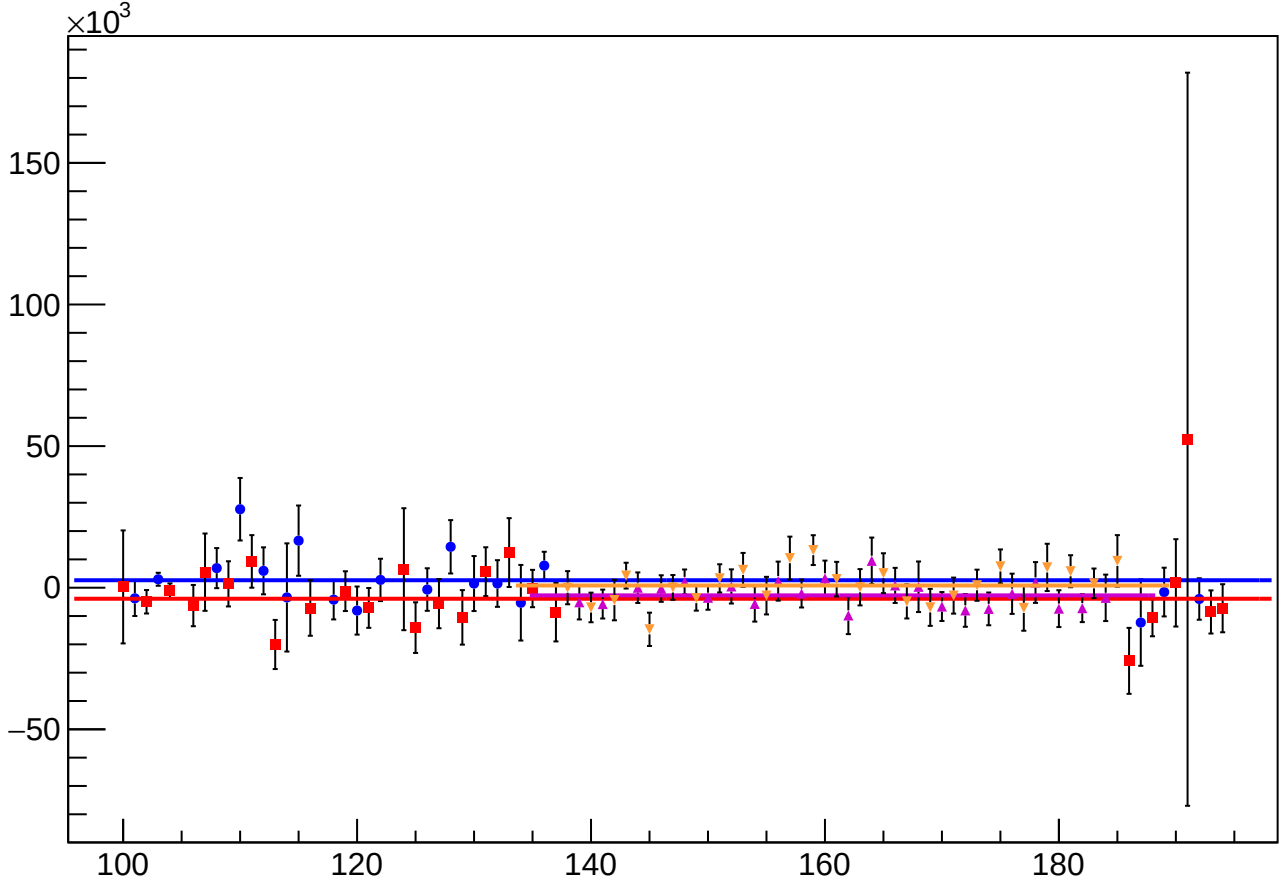
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3552.010+/-0.546 χ^2/NDF: 13265156.6/43

All: 3183.787+/-0.357 χ^2/NDF: 34767558.2/9

- sign 2907.832+/-0.473 χ^2/NDF: 20706502.0/47

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: -3896.334+/-1441.255 χ^2/NDF: 19.3/24

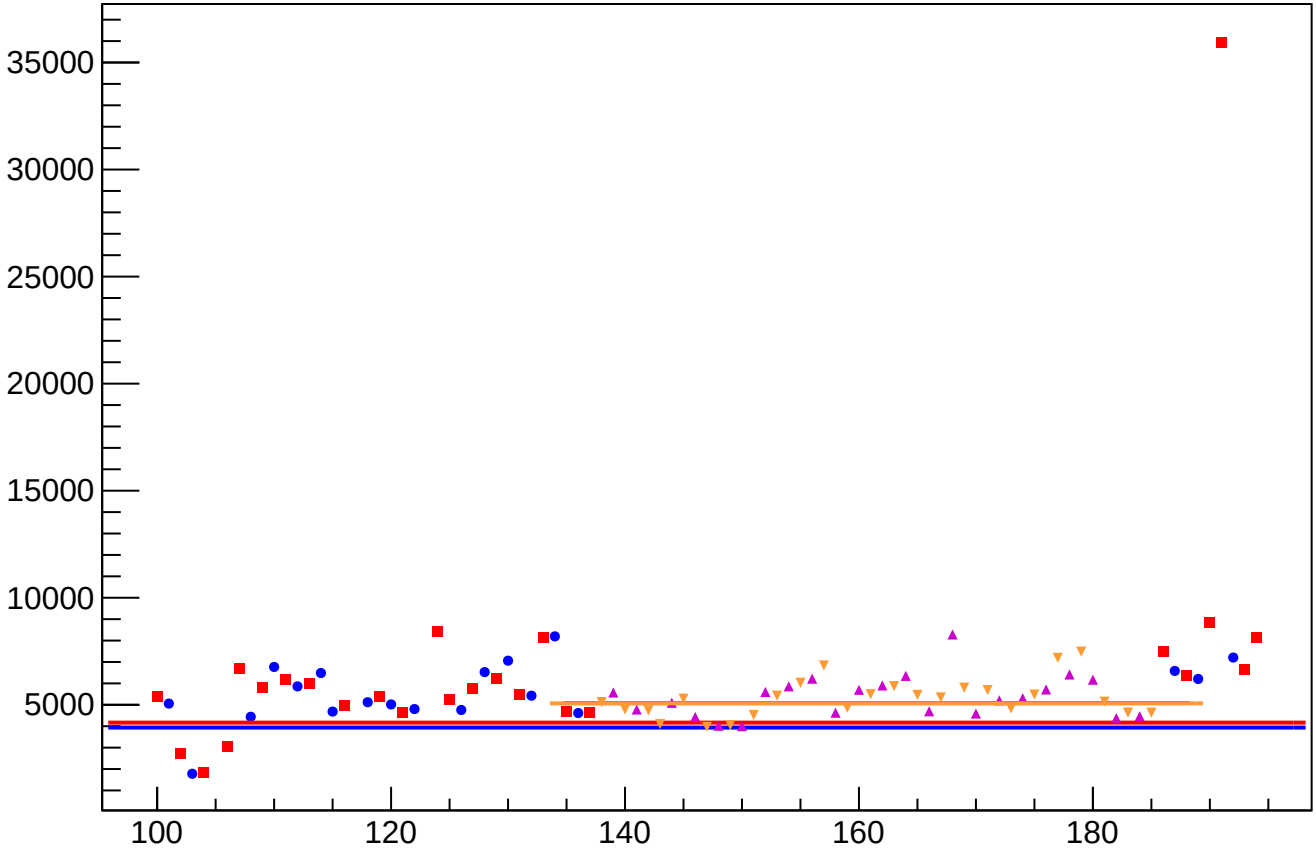
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1502.672+/-918.013 χ^2/NDF: 44.5/43

All: -828.794+/-651.602 χ^2/NDF: 89.1/91

- sign -3196.073+/-925.036 χ^2/NDF: 31.6/47

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: 4168.297+/-1.010 χ^2/NDF: 4215810.8/24

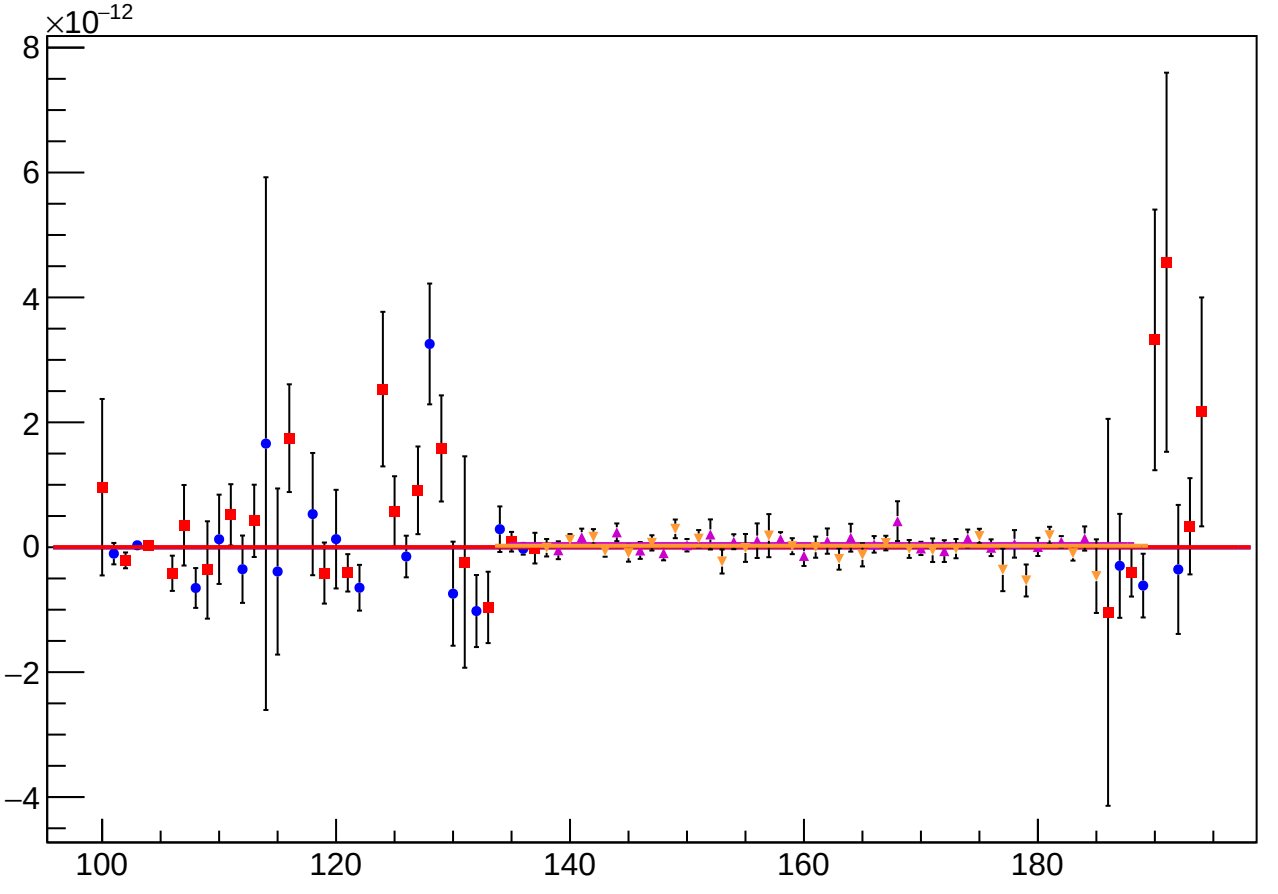
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4630.904+/-0.649 χ^2/NDF: 5208520.5/43

All: 4665.528+/-0.460 χ^2/NDF: 10906417.7/9

- sign 4700.431+/-0.652 χ^2/NDF: 5692184.3/47

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

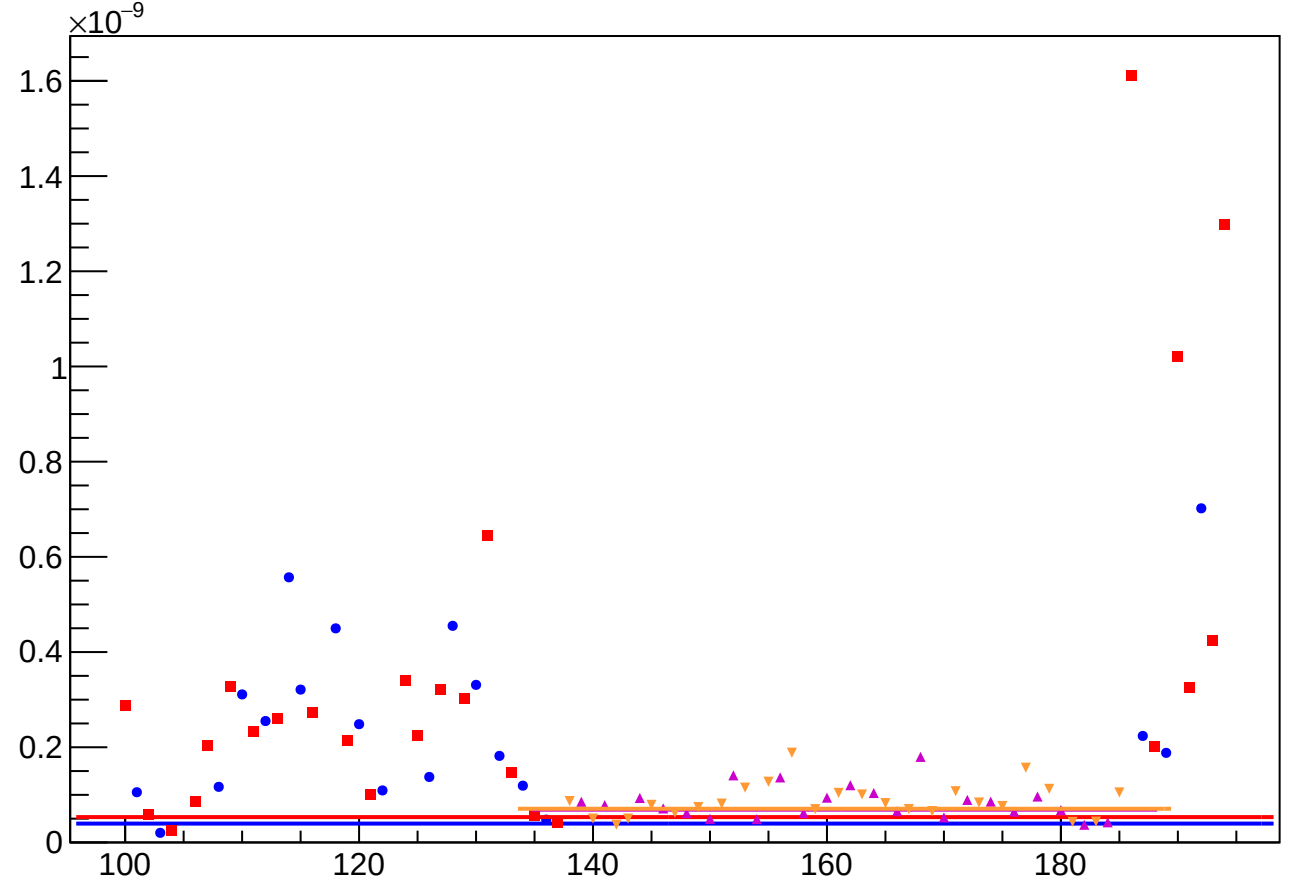
Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/24

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: 99.1/91

- sign 0.000+/-0.000 χ^2/NDF: 47.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 4236091.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5542894.7/24

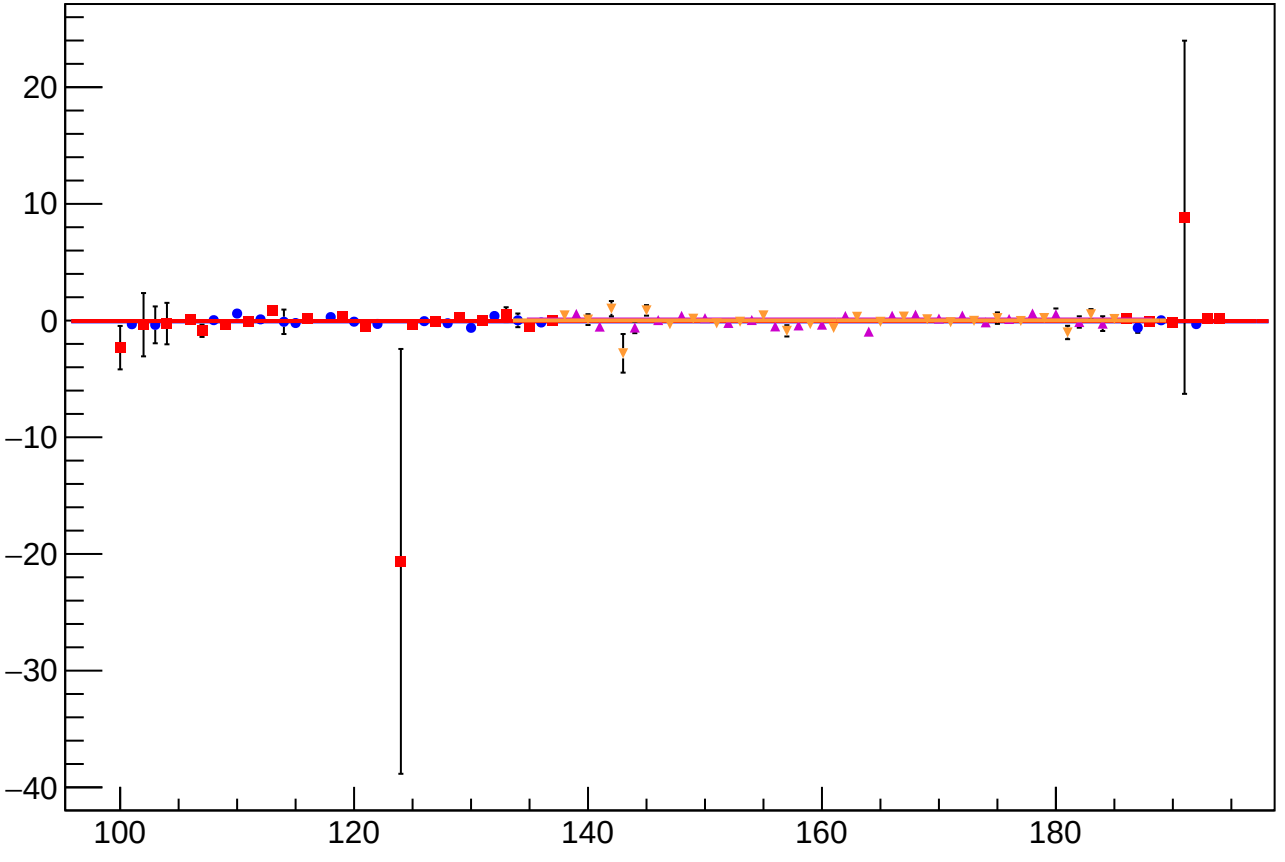
Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6634138.5/43

All: 0.000+/-0.000 χ^2/NDF: 13833746.3/91

- sign 0.000+/-0.000 χ^2/NDF: 7146436.8/47

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: -0.038+/-0.057 χ^2/NDF: 26.9/24

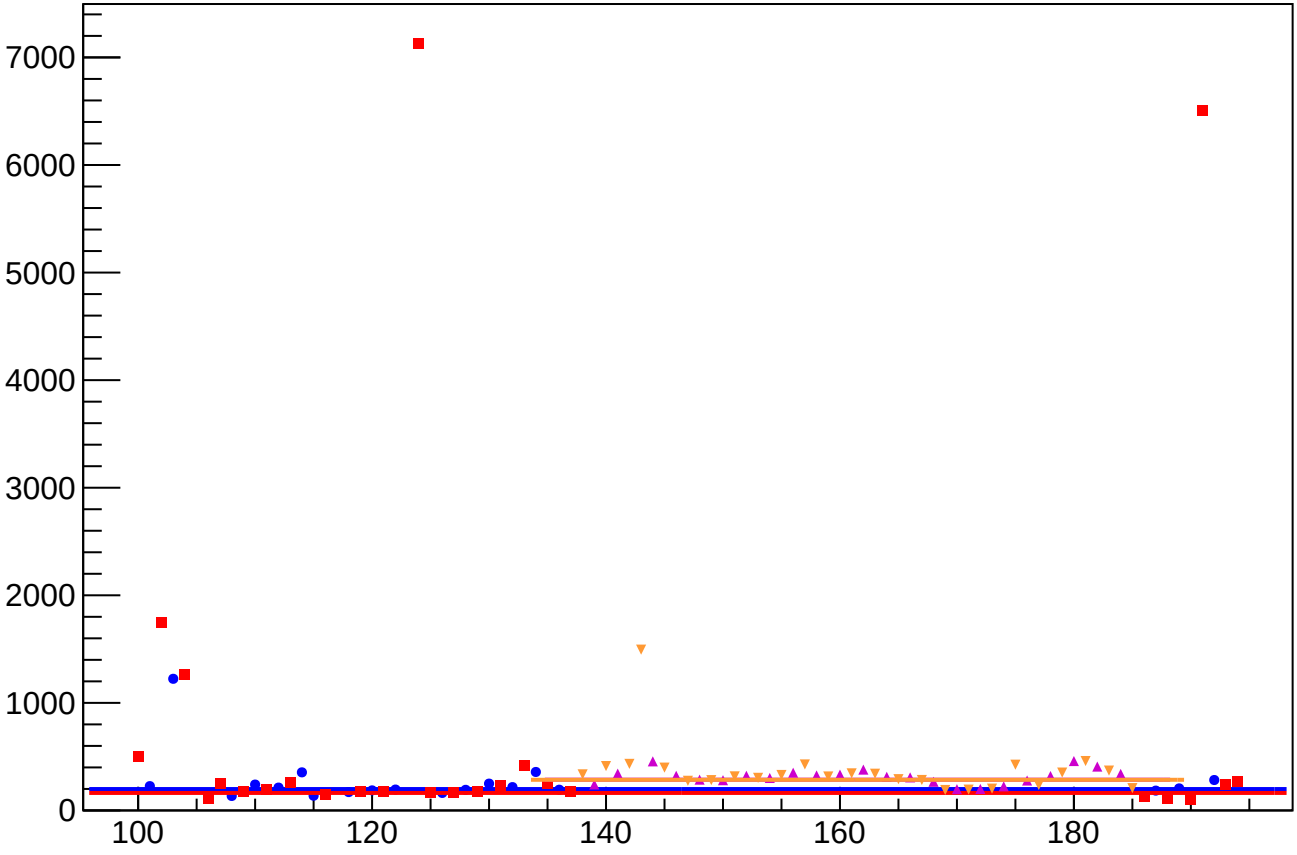
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.026+/-0.050 χ^2/NDF: 43.1/43

All: -0.004+/-0.033 χ^2/NDF: 103.2/91

- sign 0.013+/-0.044 χ^2/NDF: 59.8/47

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

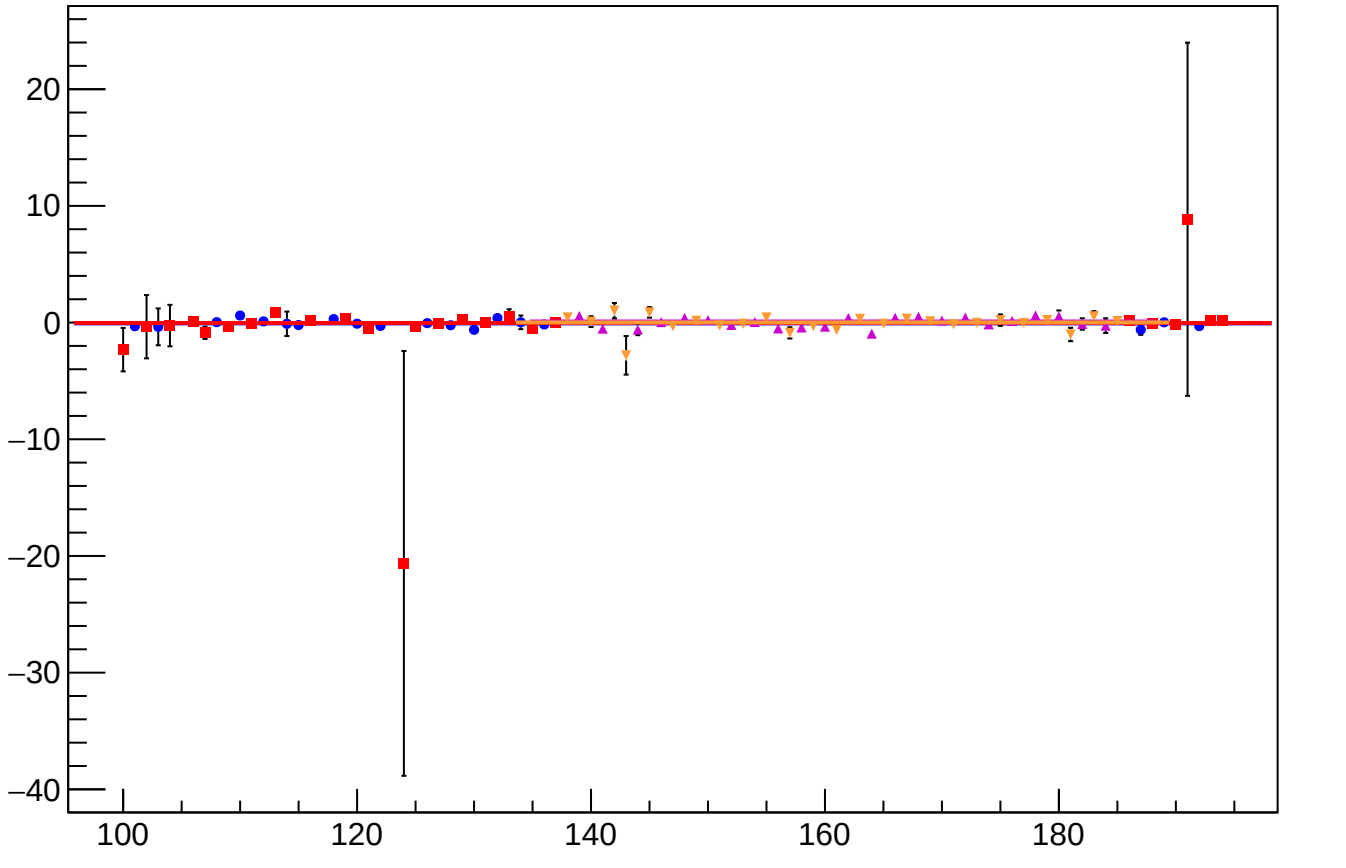
Right Out: 162.838+/-0.040 χ^2/NDF: 4099548.6/24

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.387+/-0.035 χ^2/NDF: 6461881.7/43

All: 225.504+/-0.023 χ^2/NDF: 16447562.8/91

- sign 211.541+/-0.031 χ^2/NDF: 9532614.9/47



Right In: -0.068+/-0.072 χ^2/NDF: 14.1/18

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.038+/-0.057 χ^2/NDF: 26.9/24

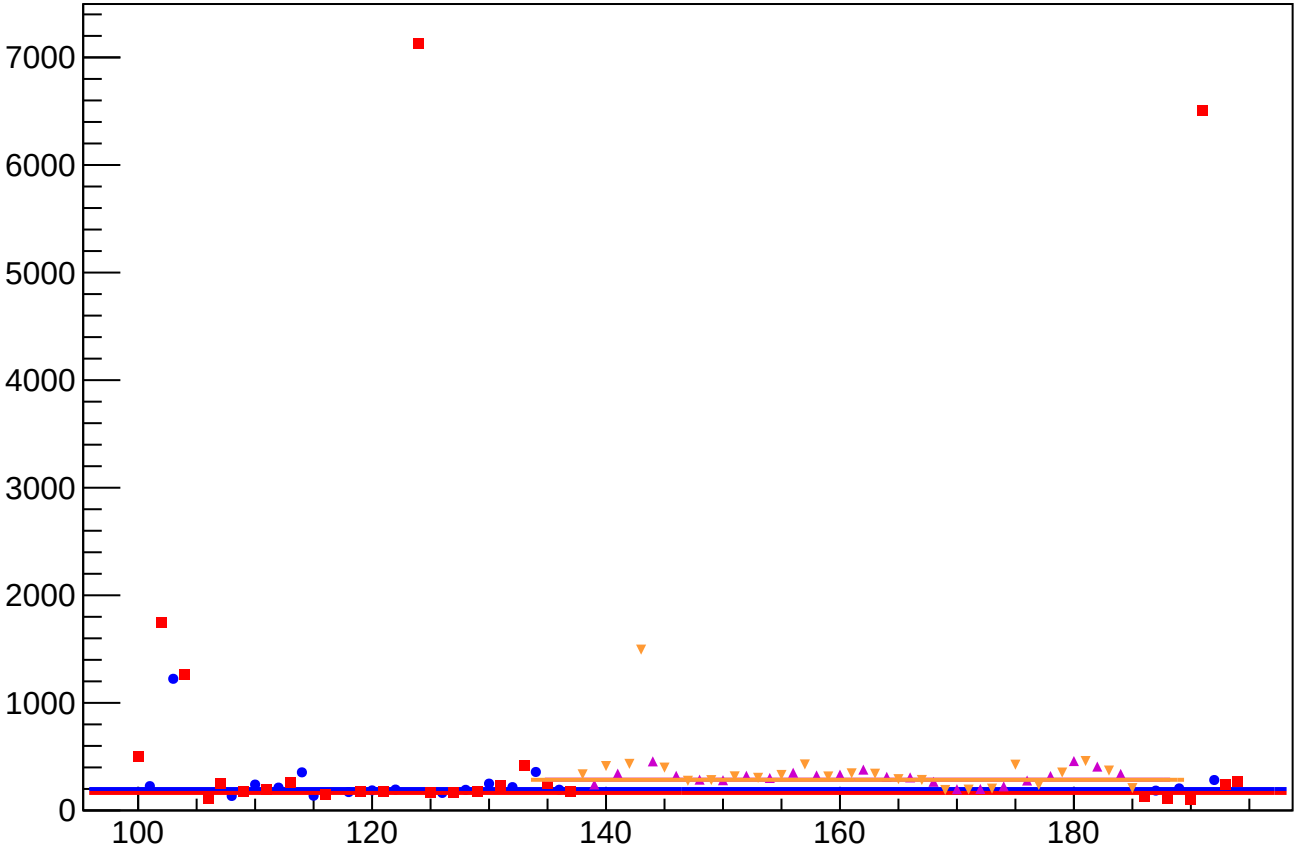
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.026+/-0.050 χ^2/NDF: 43.1/43

All: -0.004+/-0.033 χ^2/NDF: 103.2/91

- sign 0.013+/-0.044 χ^2/NDF: 59.8/47

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

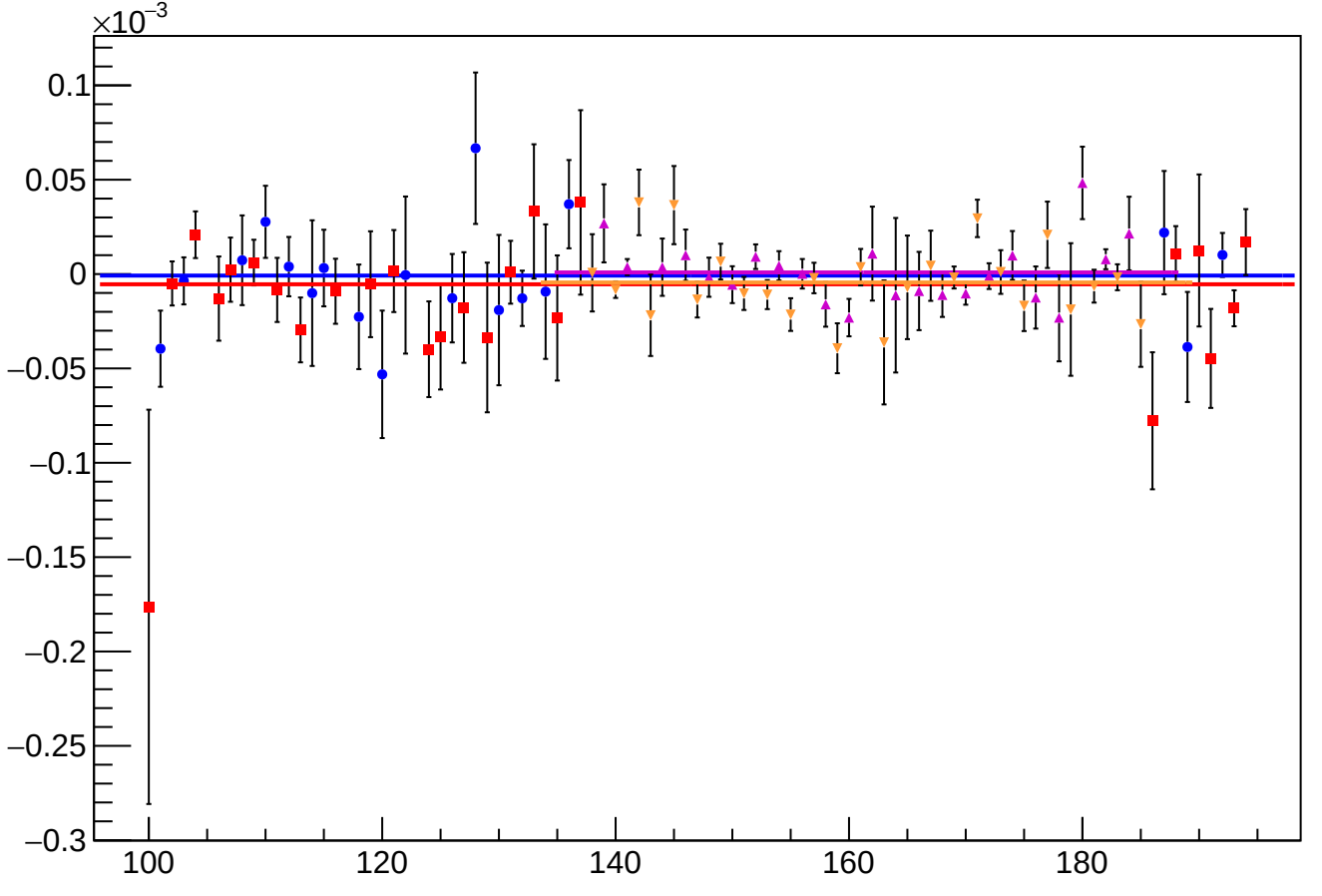
Right Out: 162.838+/-0.040 χ^2/NDF: 4099548.6/24

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.387+/-0.035 χ^2/NDF: 6461881.7/43

All: 225.504+/-0.023 χ^2/NDF: 16447562.8/91

- sign 211.541+/-0.031 χ^2/NDF: 9532614.9/47



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

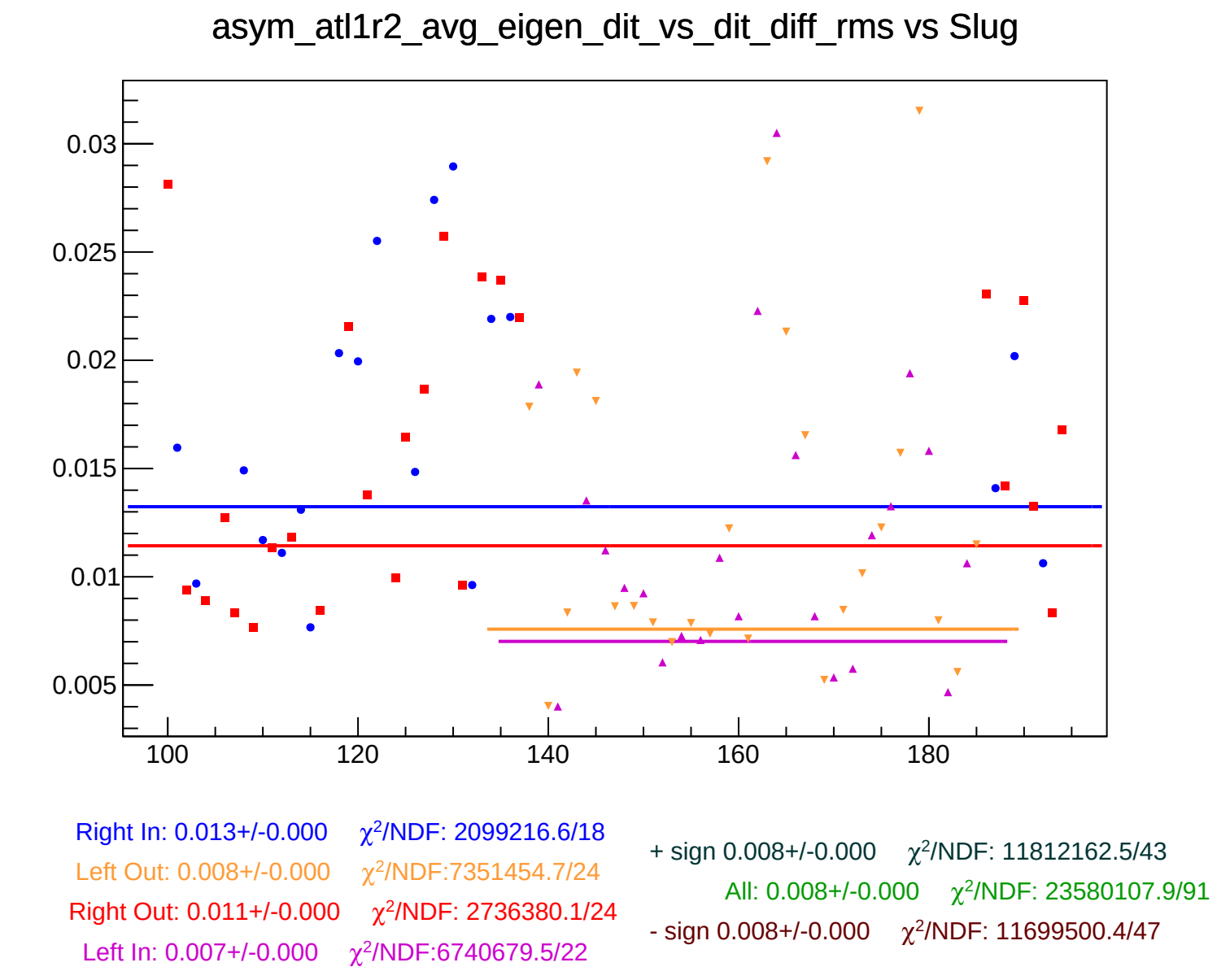
Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/24

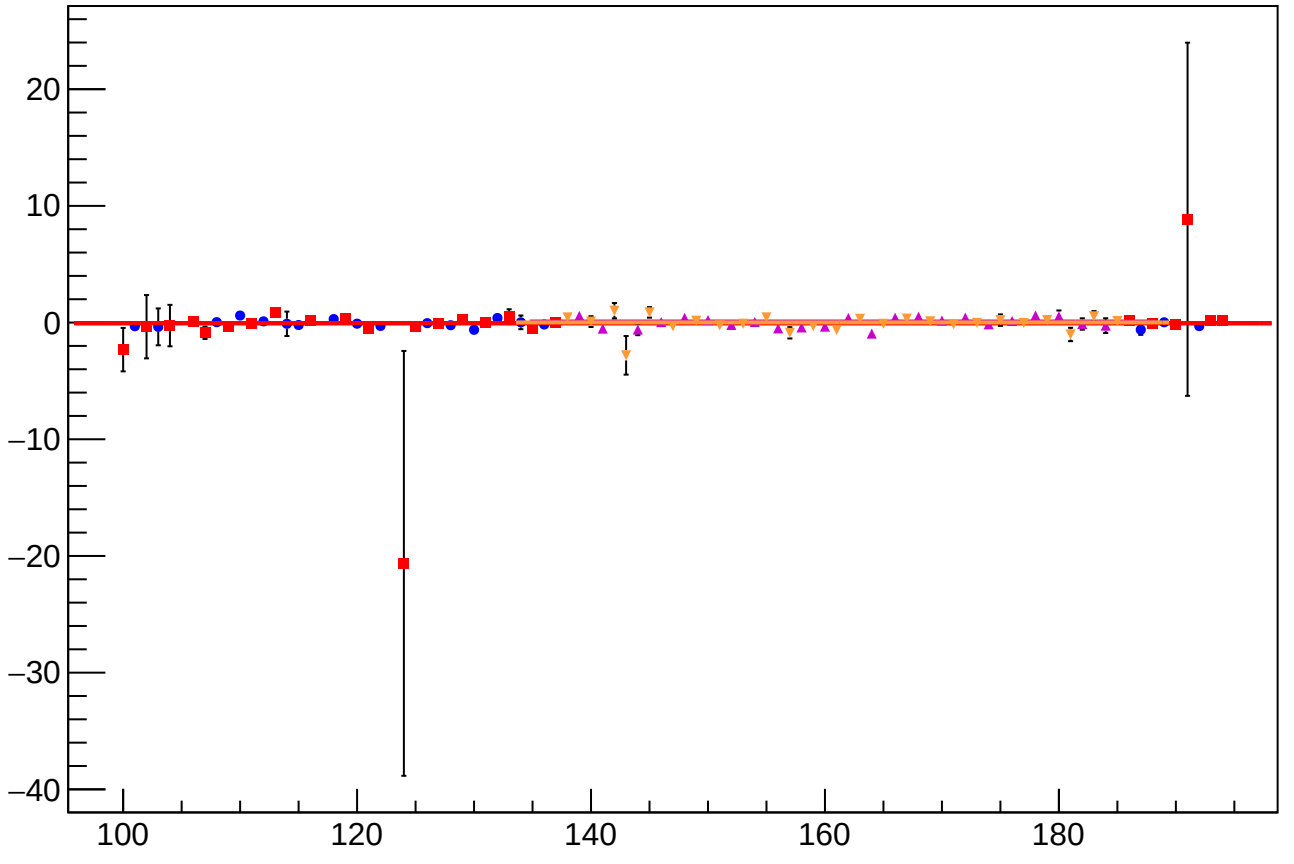
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.4/43

All: -0.000+/-0.000 χ^2/NDF: 124.1/91

- sign -0.000+/-0.000 χ^2/NDF: 58.7/47


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: 2736380.1/24
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: 23580107.9/91
- sign 0.008+/-0.000 χ²/NDF: 11699500.4/47



Right In: -0.068+/-0.072 χ^2/NDF: 14.1/18

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.038+/-0.057 χ^2/NDF: 26.9/24

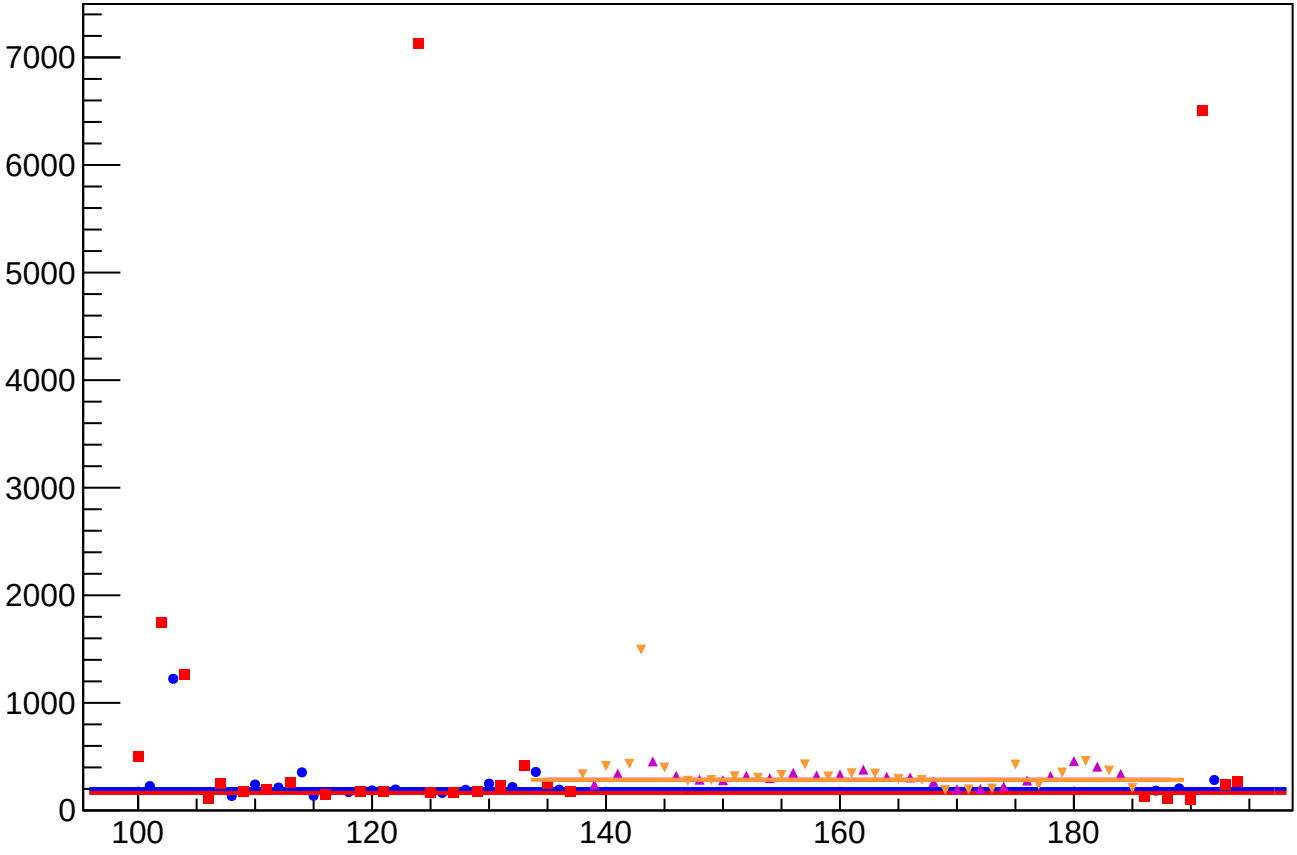
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.026+/-0.050 χ^2/NDF: 43.1/43

All: -0.004+/-0.033 χ^2/NDF: 103.2/91

- sign 0.013+/-0.044 χ^2/NDF: 59.8/47

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

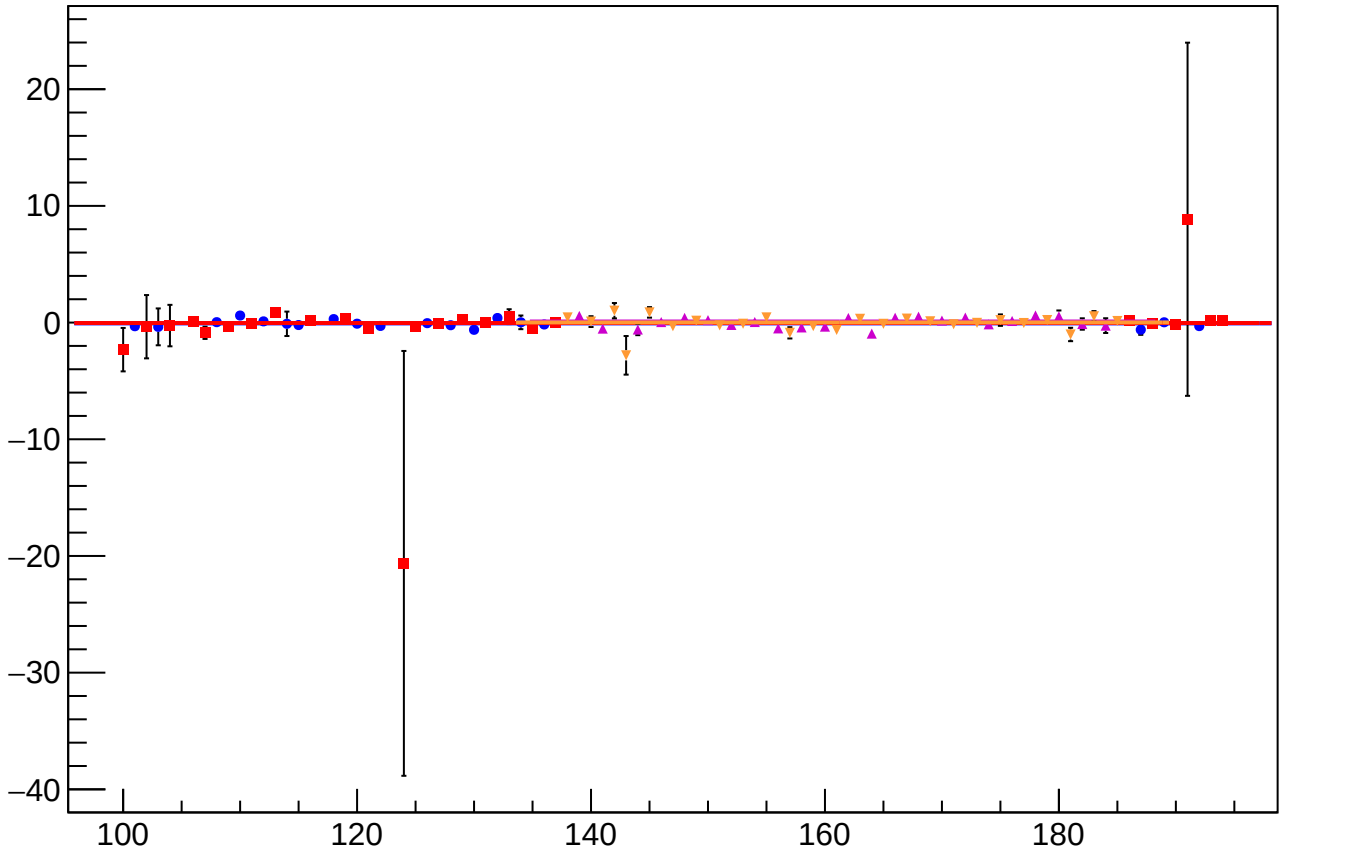
Right Out: 162.836+/-0.040 χ^2/NDF: 4099646.6/24

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.387+/-0.035 χ^2/NDF: 6462048.6/43

All: 225.502+/-0.023 χ^2/NDF: 16448243.1/91

- sign 211.539+/-0.031 χ^2/NDF: 9533068.6/47



Right In: -0.068+/-0.072 χ^2/NDF: 14.1/18

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

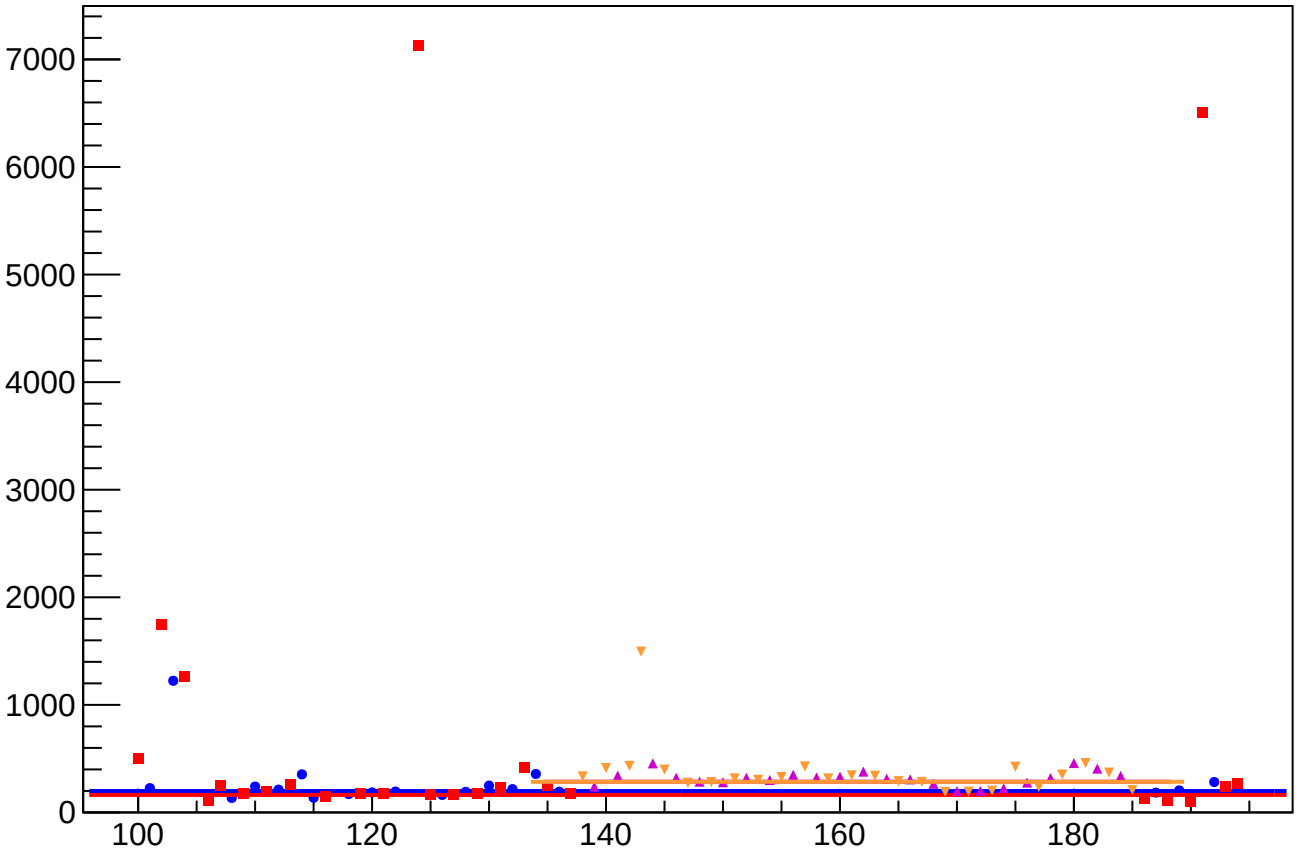
Right Out: -0.038+/-0.057 χ^2/NDF: 26.9/24

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.026+/-0.050 χ^2/NDF: 43.1/43

All: -0.004+/-0.033 χ^2/NDF: 103.2/91

- sign 0.013+/-0.044 χ^2/NDF: 59.8/47



Right In: 199.032+/-0.051 χ^2/NDF: 1585338.3/18

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

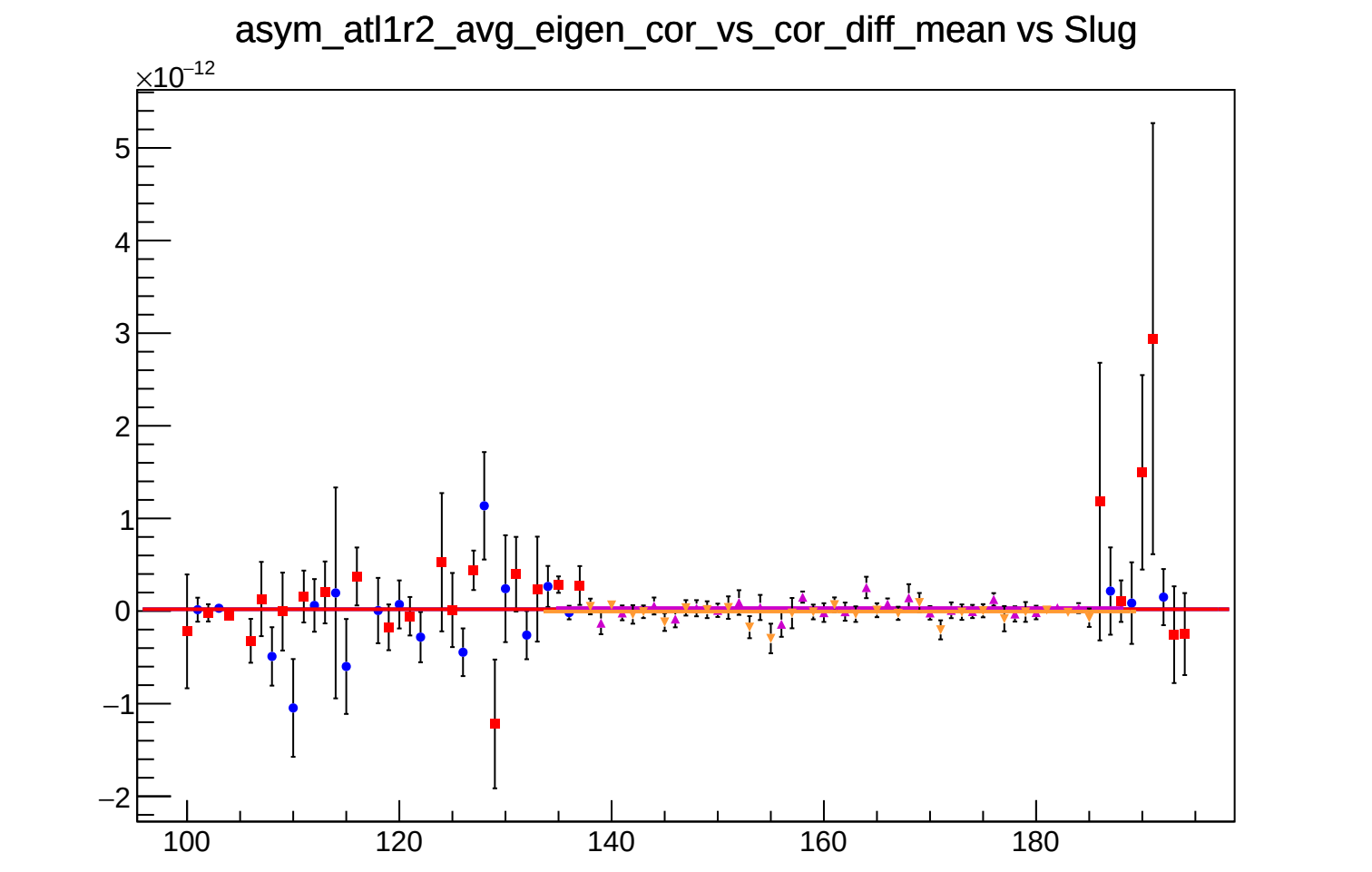
Right Out: 162.836+/-0.040 χ^2/NDF: 4099646.6/24

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.387+/-0.035 χ^2/NDF: 6462048.6/43

All: 225.502+/-0.023 χ^2/NDF: 16448243.1/91

- sign 211.539+/-0.031 χ^2/NDF: 9533068.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 19.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

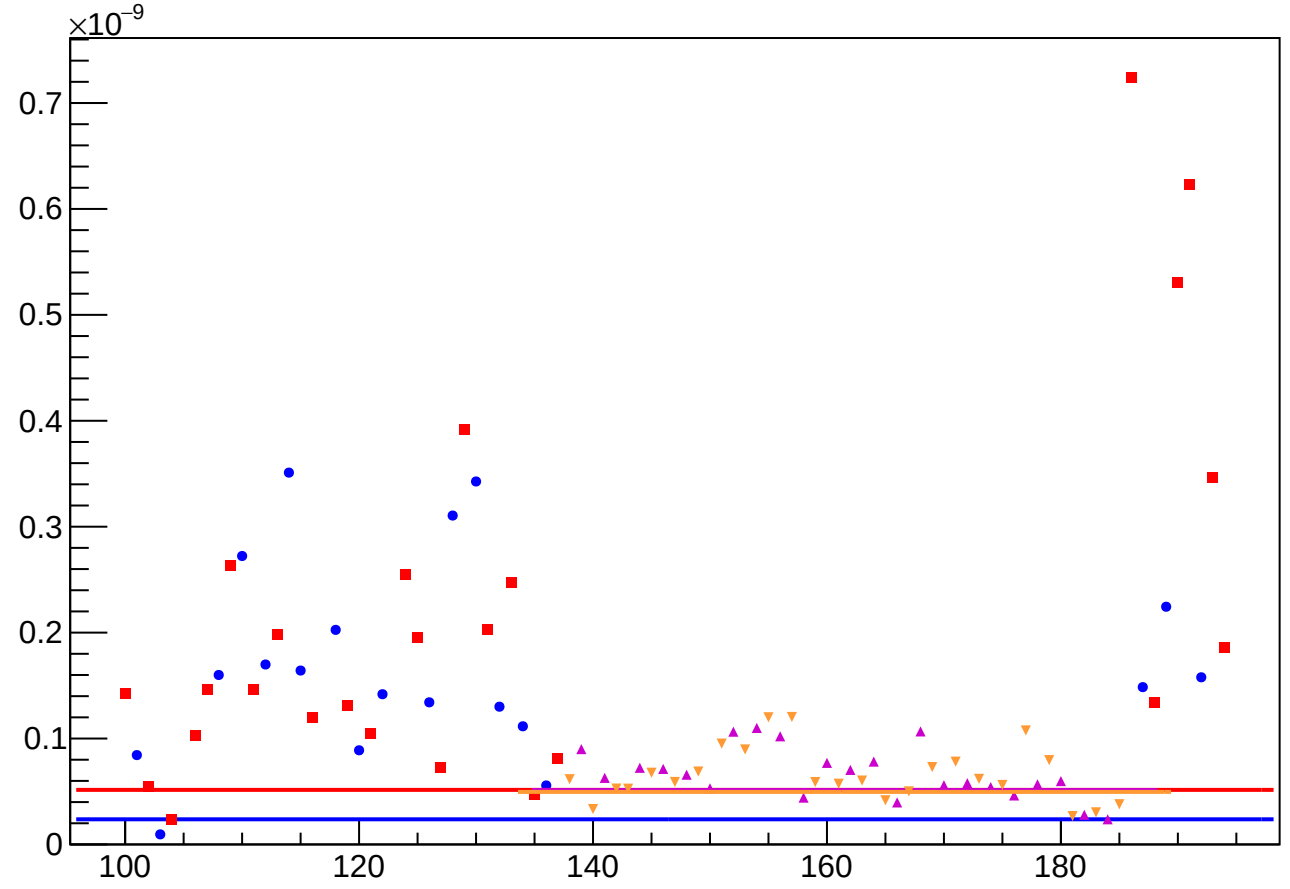
Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/24

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: 90.2/91

- sign 0.000+/-0.000 χ^2/NDF: 51.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 7364780.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6302397.4/24

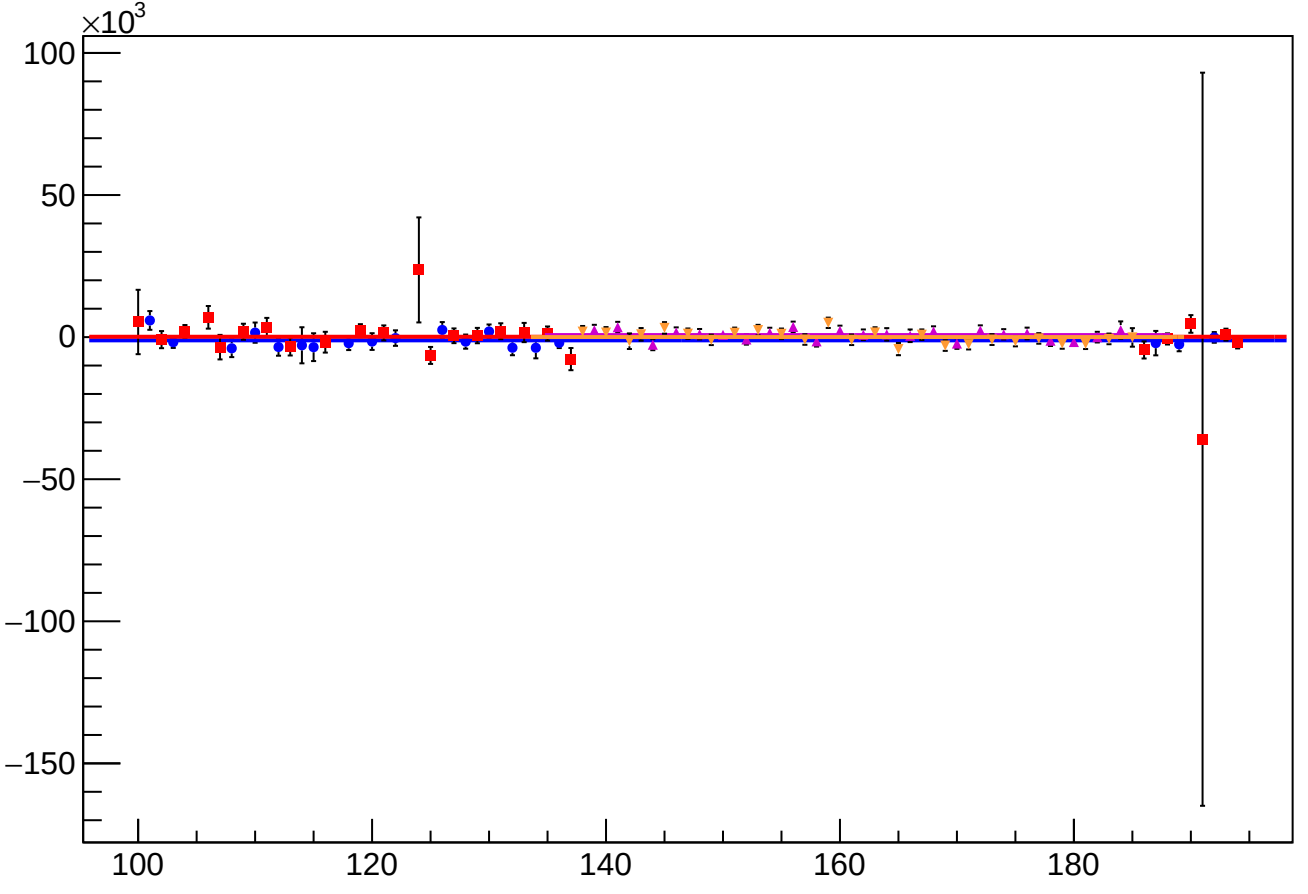
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13316105.2/43

All: 0.000+/-0.000 χ^2/NDF: 23966105.9/91

- sign 0.000+/-0.000 χ^2/NDF: 9962130.7/47

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: 131.232+/-579.240 χ^2/NDF: 26.4/24

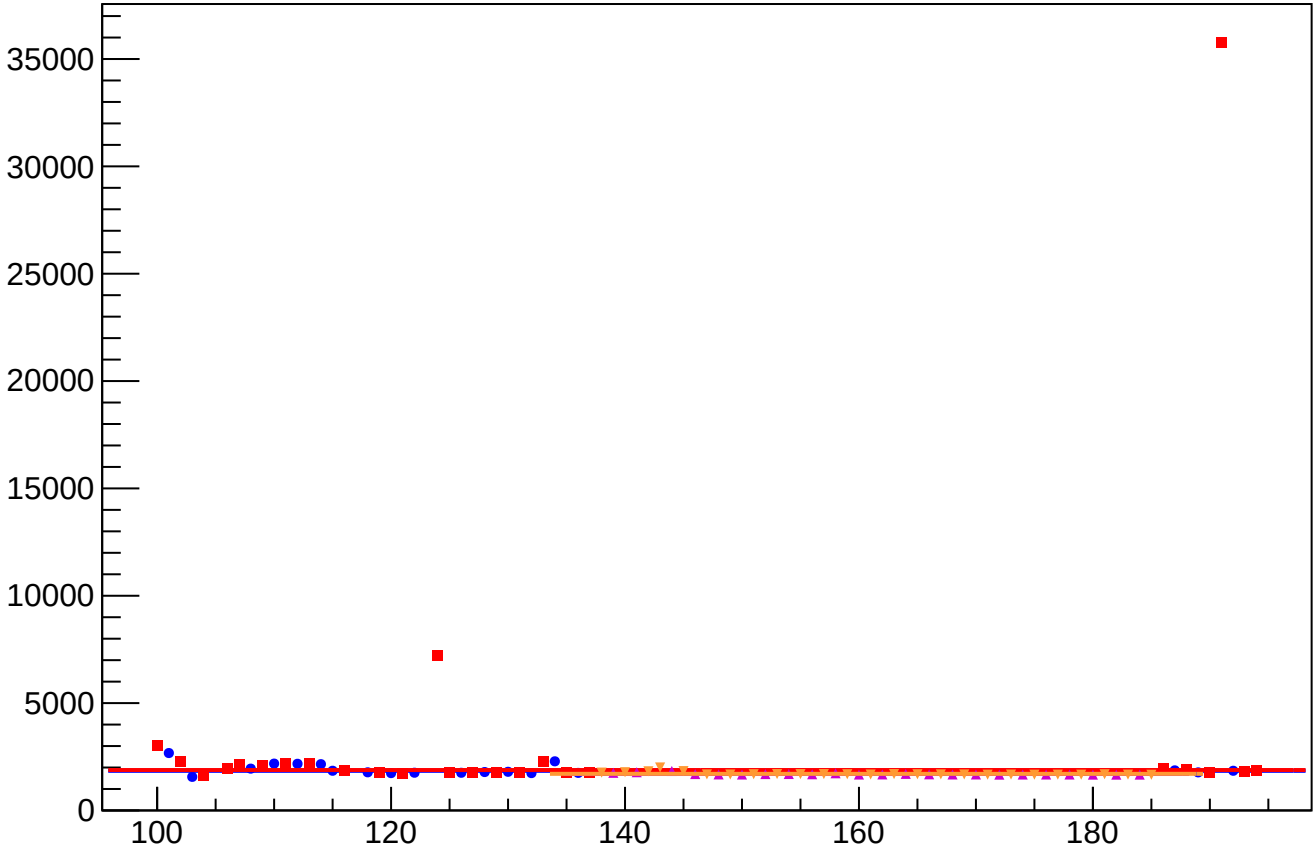
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -300.560+/-329.041 χ^2/NDF: 44.9/43

All: 118.028+/-231.999 χ^2/NDF: 94.3/91

- sign 531.841+/-327.159 χ^2/NDF: 46.2/47

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

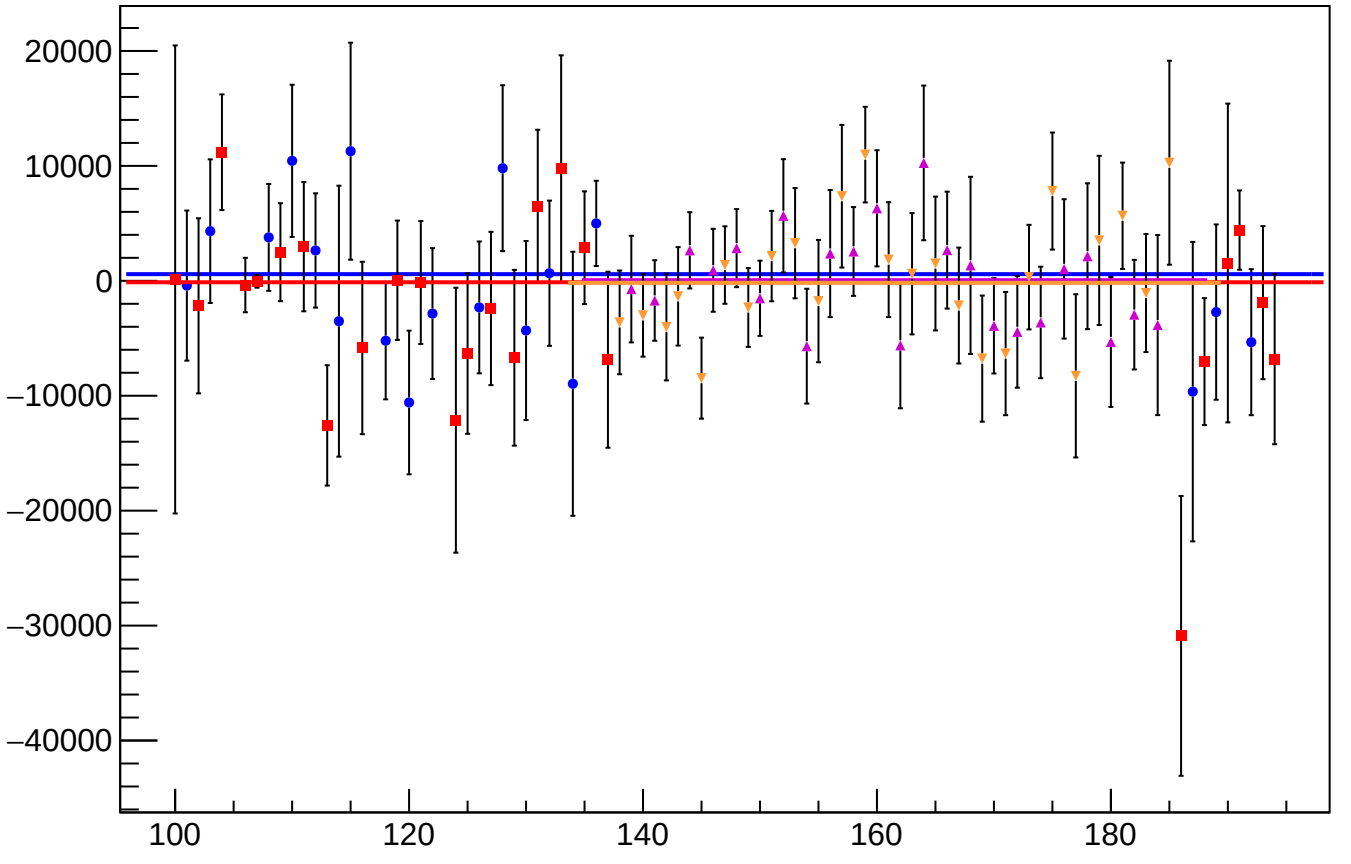
Right Out: 1882.796+/-0.409 χ^2/NDF: 510205.4/24

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

\+ sign 1744.957+/-0.233 χ^2/NDF: 395338.8/43

All: 1750.888+/-0.164 χ^2/NDF: 1067633.5/91

\- sign 1756.746+/-0.231 χ^2/NDF: 671002.9/47



Right In: 580.598+/-1427.055 χ^2/NDF: 15.6/18

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -125.467+/-495.078 χ^2/NDF: 28.5/24

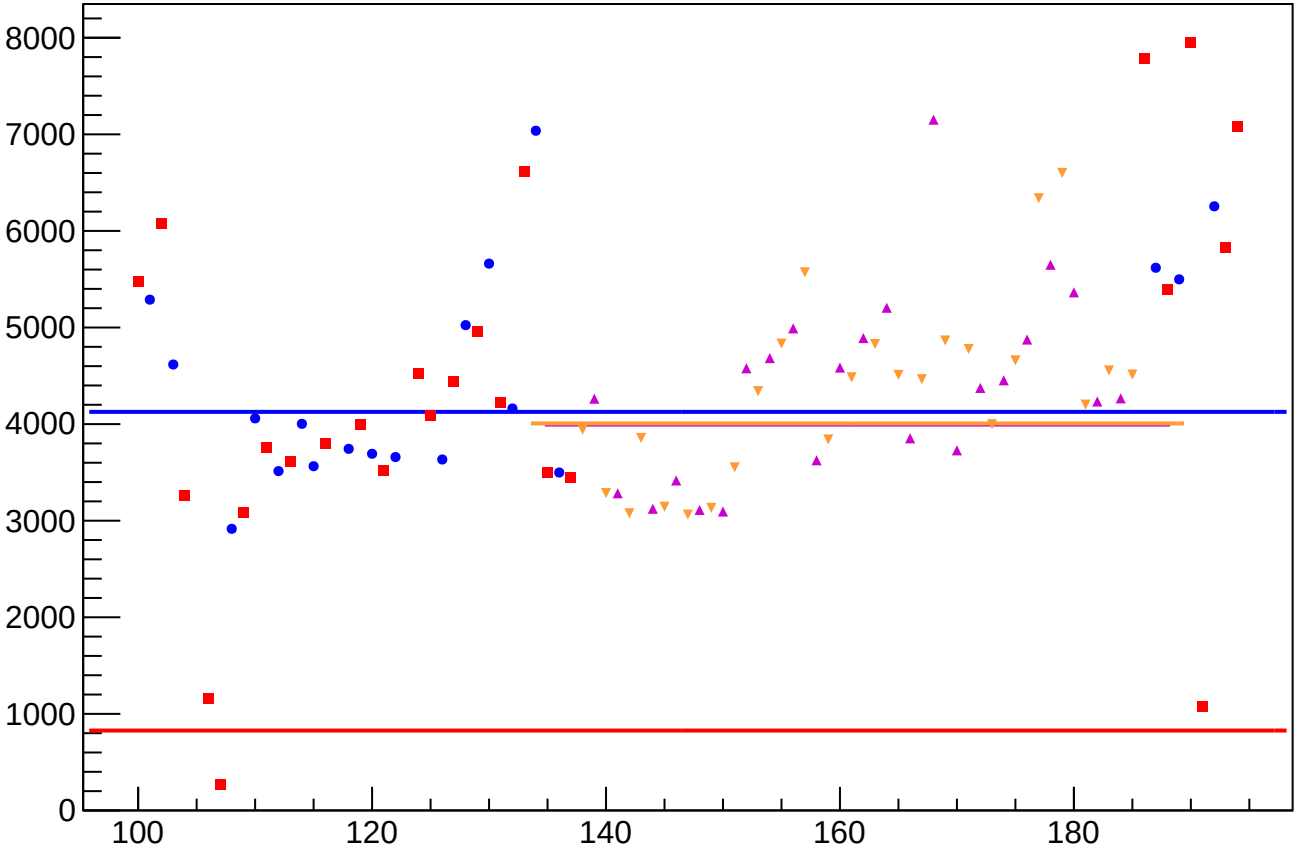
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 51.446+/-782.166 χ^2/NDF: 43.7/43

All: -53.775+/-383.263 χ^2/NDF: 86.6/91

- sign -87.022+/-439.663 χ^2/NDF: 42.8/47

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: 827.427+/-0.350 χ^2/NDF: 15847718.3/24

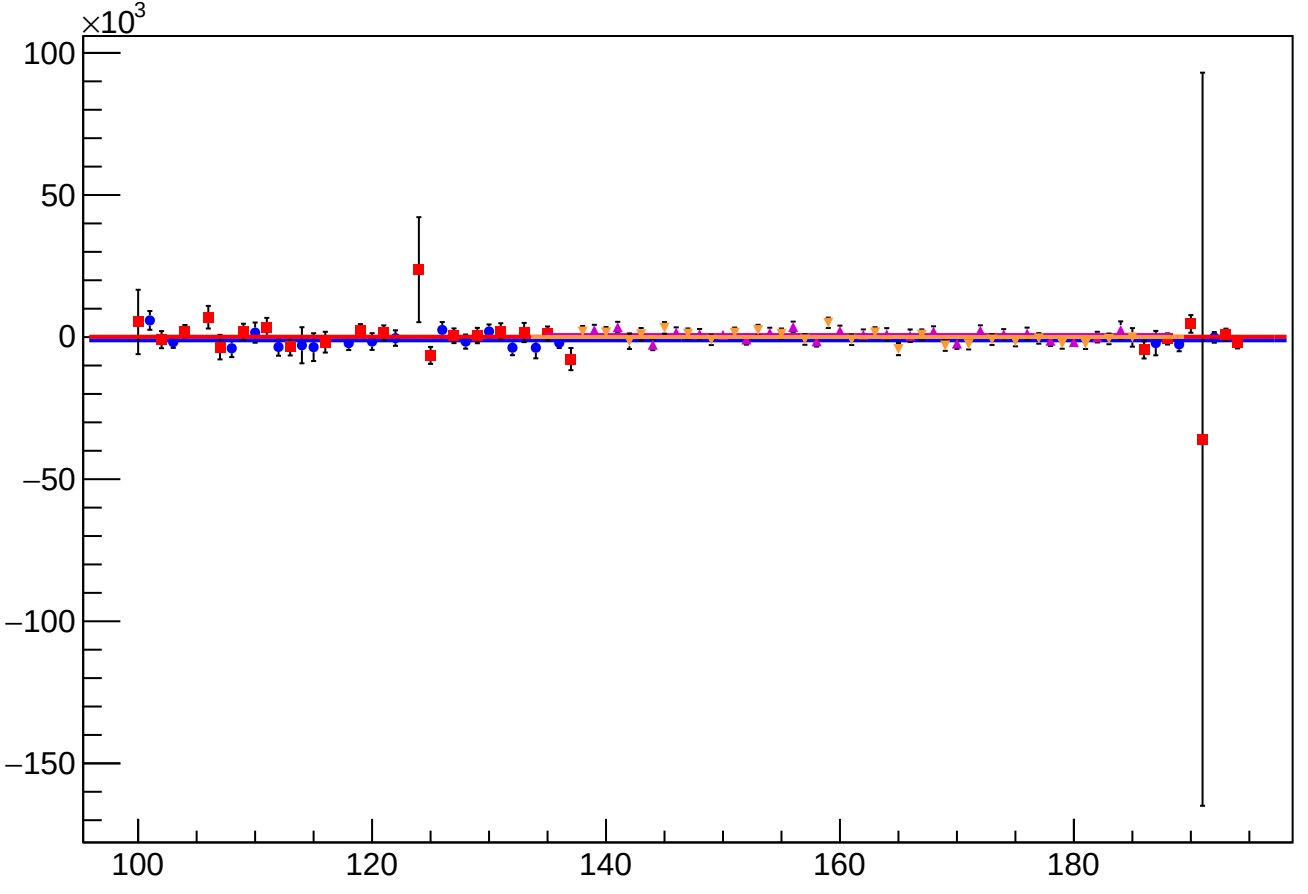
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4042.968+/-0.553 χ^2/NDF: 2421687.2/43

All: 2108.172+/-0.271 χ^2/NDF: 53214208.4/9

- sign 1496.840+/-0.311 χ^2/NDF: 34687984.4/47

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: 131.489+/-579.241 χ^2/NDF: 26.4/24

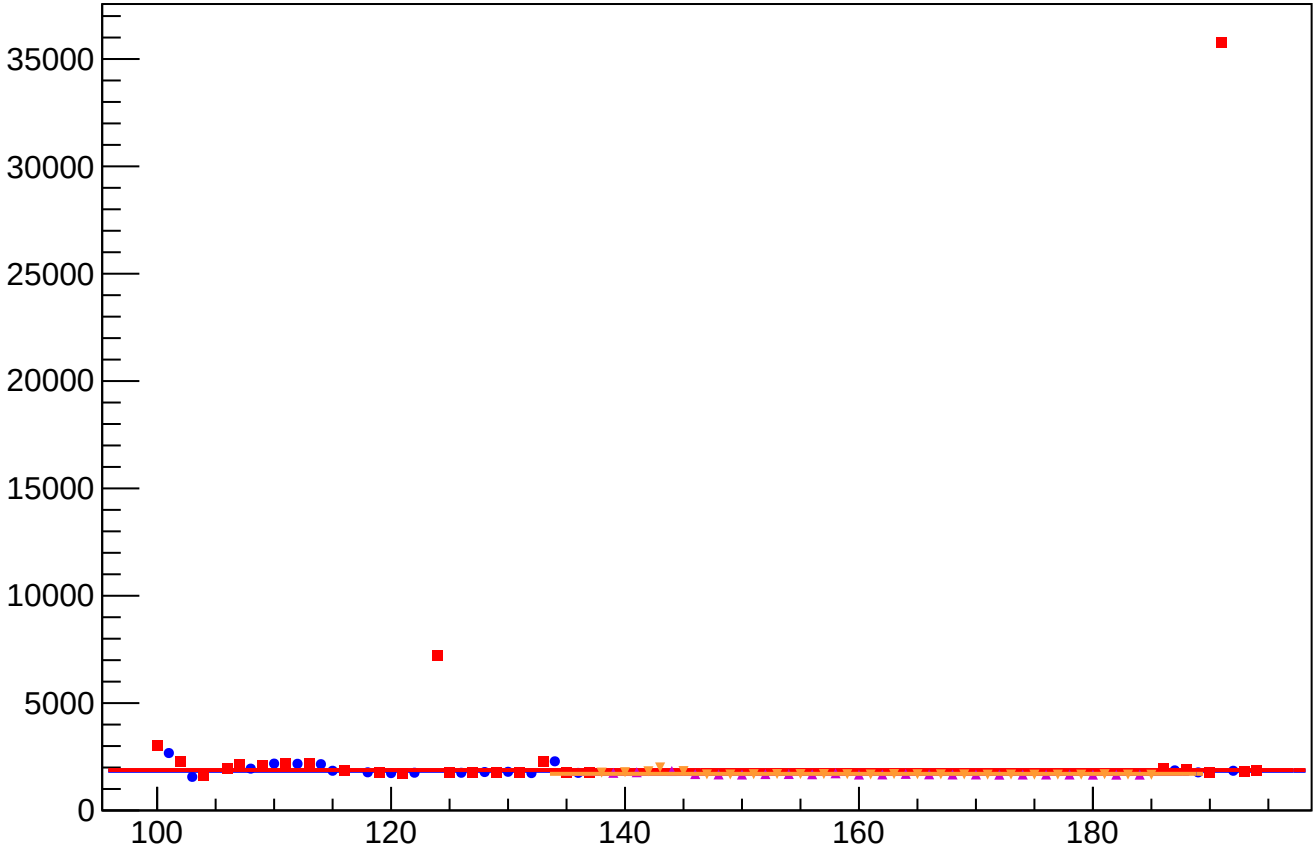
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

\+ sign -300.416+/-329.041 χ^2/NDF: 44.9/43

All: 118.098+/-231.999 χ^2/NDF: 94.3/91

\- sign 531.839+/-327.159 χ^2/NDF: 46.2/47

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: 1883.103+/-0.409 χ^2/NDF: 510450.2/24

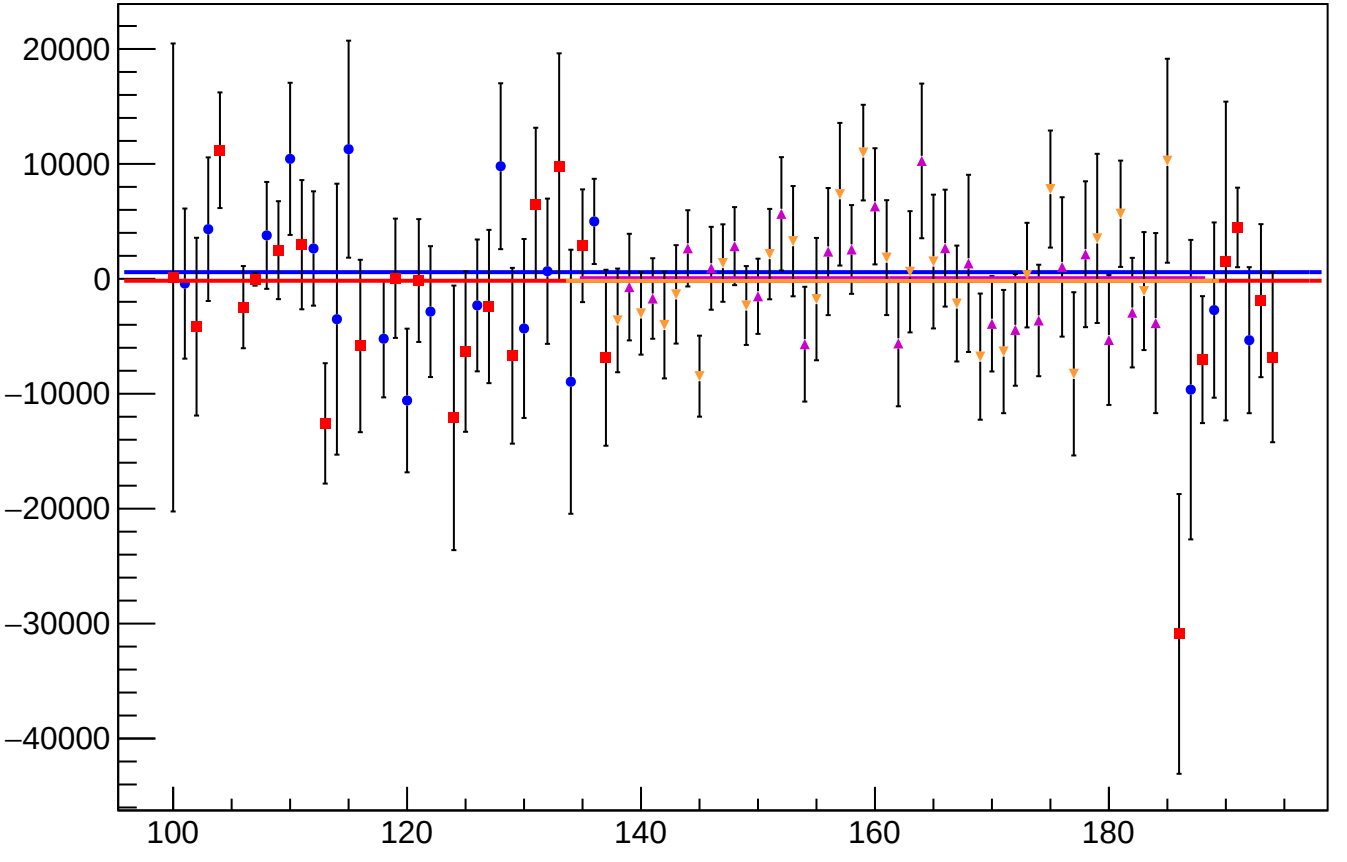
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1744.957+/-0.233 χ^2/NDF: 395338.3/43

All: 1750.931+/-0.164 χ^2/NDF: 1068330.4/91

- sign 1756.832+/-0.231 χ^2/NDF: 671681.5/47

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 580.582+/-1427.060 χ^2/NDF: 15.6/18

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -167.596+/-501.294 χ^2/NDF: 29.2/24

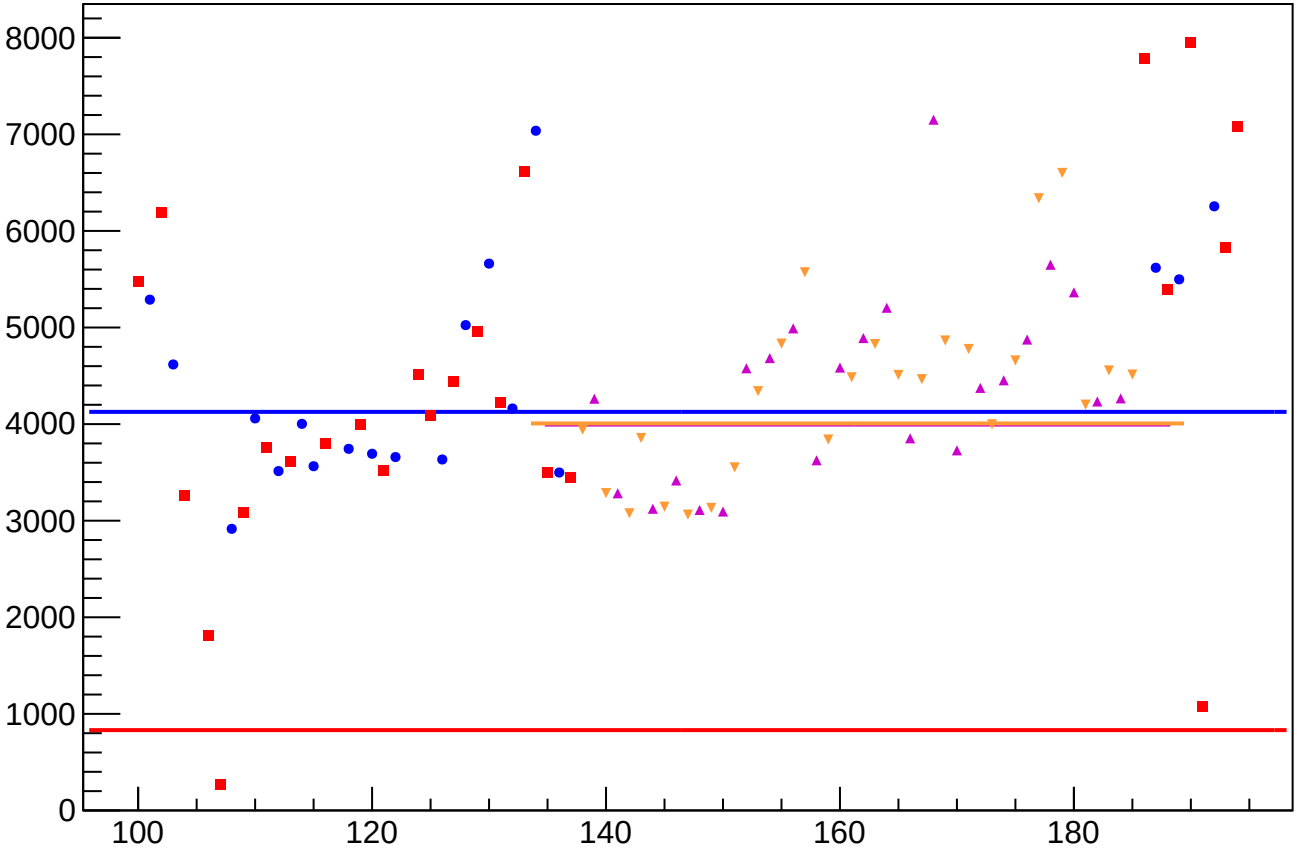
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 51.455+/-782.166 χ^2/NDF: 43.7/43

All: -77.705+/-386.126 χ^2/NDF: 87.2/91

- sign -119.325+/-443.999 χ^2/NDF: 43.5/47

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: 831.762+/-0.354 χ^2/NDF: 15971096.8/24

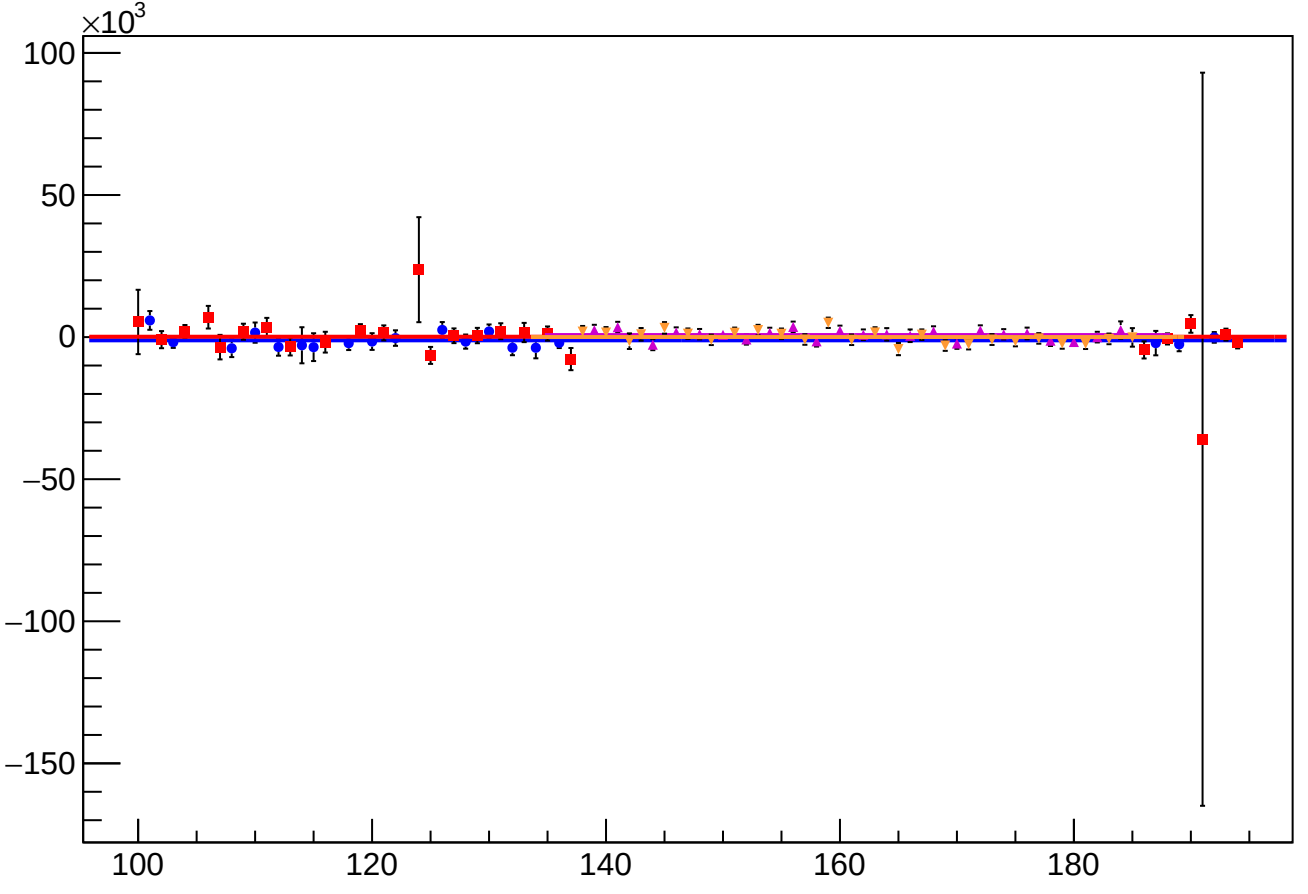
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4042.965+/-0.553 χ^2/NDF: 2421734.3/43

All: 2129.945+/-0.273 χ^2/NDF: 52913103.4/9

- sign 1513.511+/-0.314 χ^2/NDF: 34672361.3/47

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: 131.489+/-579.241 χ^2/NDF: 26.4/24

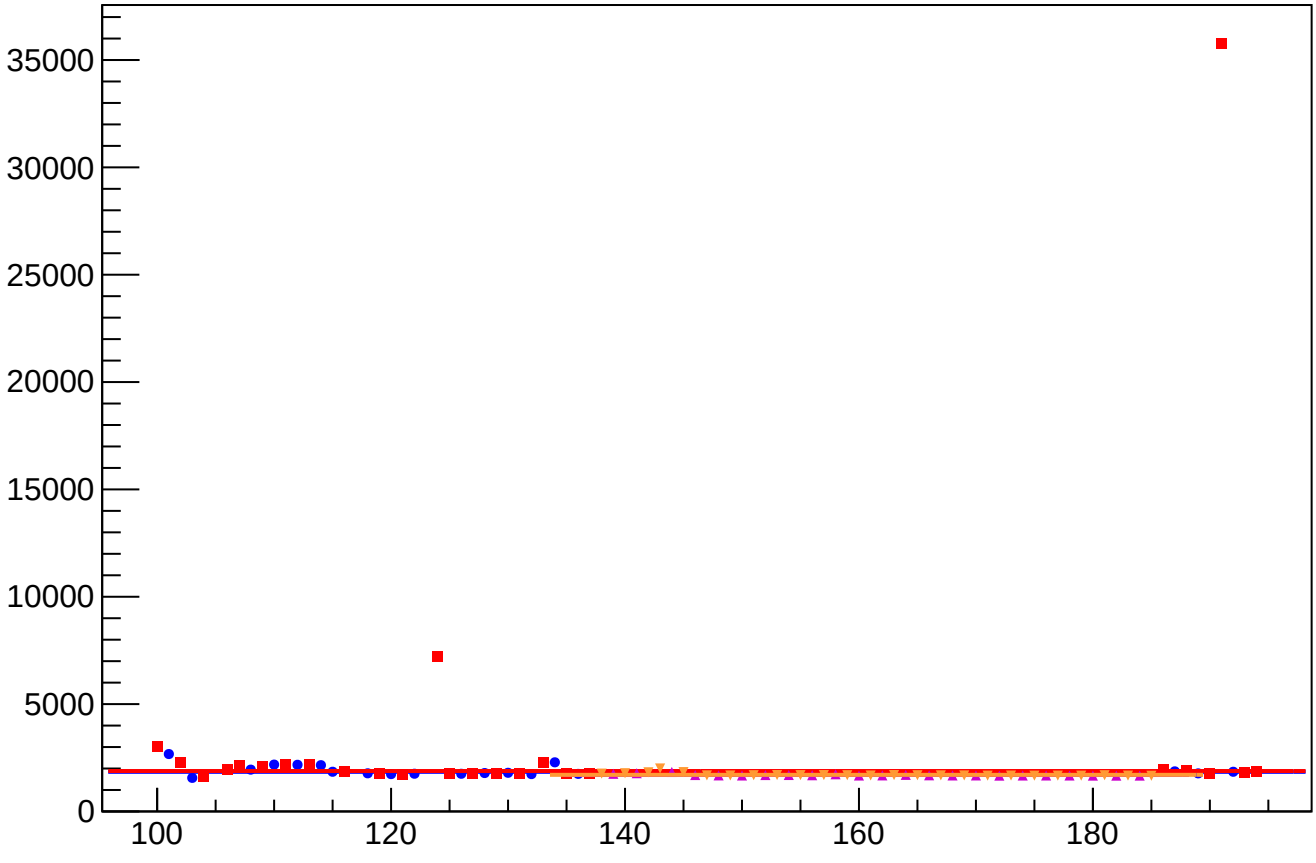
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

\+ sign -300.416+/-329.041 χ^2/NDF: 44.9/43

All: 118.098+/-231.999 χ^2/NDF: 94.3/91

\- sign 531.839+/-327.159 χ^2/NDF: 46.2/47

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

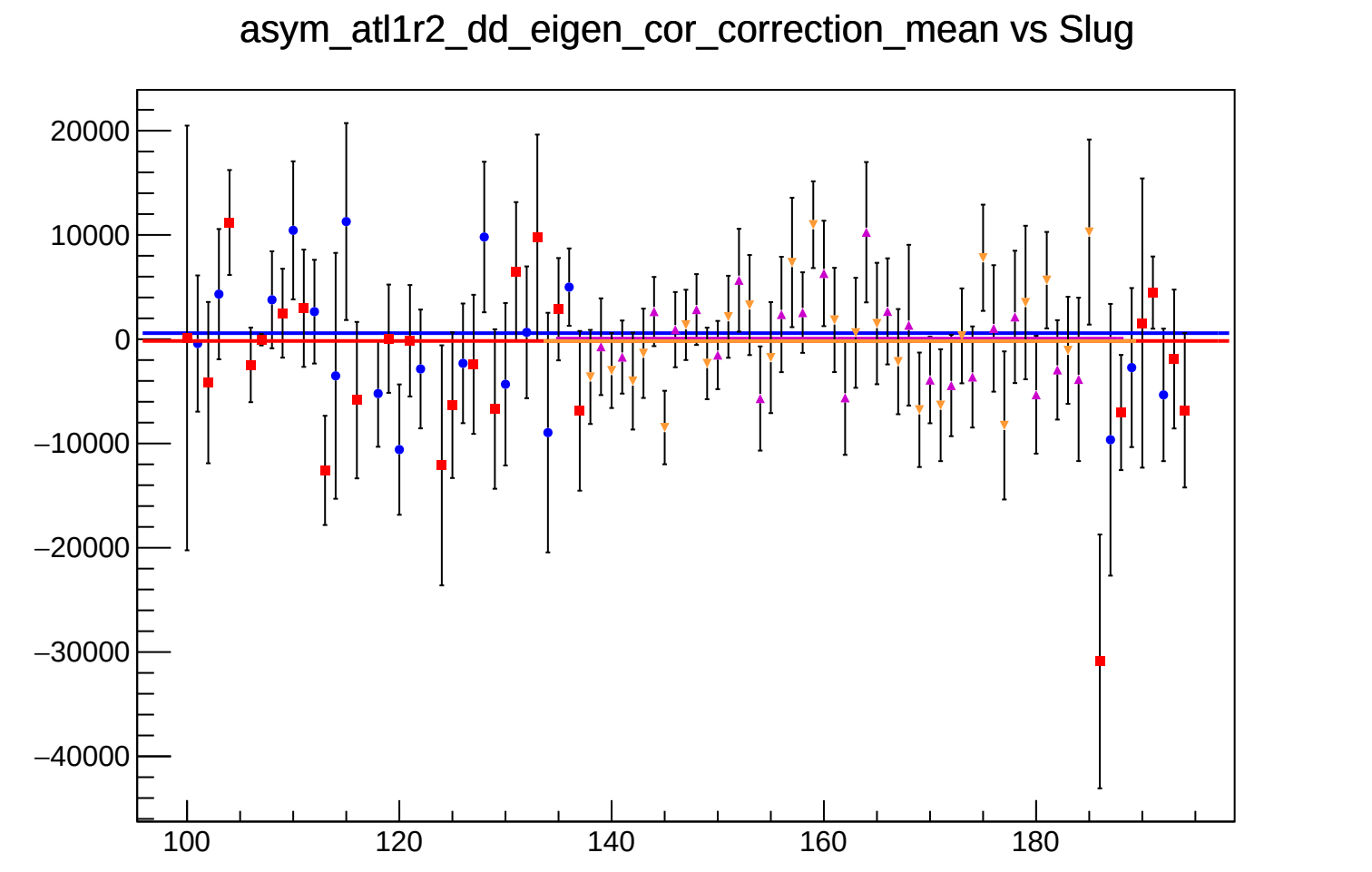
Right Out: 1883.103+/-0.409 χ^2/NDF: 510450.2/24

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1744.957+/-0.233 χ^2/NDF: 395338.3/43

All: 1750.931+/-0.164 χ^2/NDF: 1068330.4/91

- sign 1756.832+/-0.231 χ^2/NDF: 671681.5/47



Right In: 580.582+/-1427.060 χ^2/NDF: 15.6/18

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -167.596+/-501.294 χ^2/NDF: 29.2/24

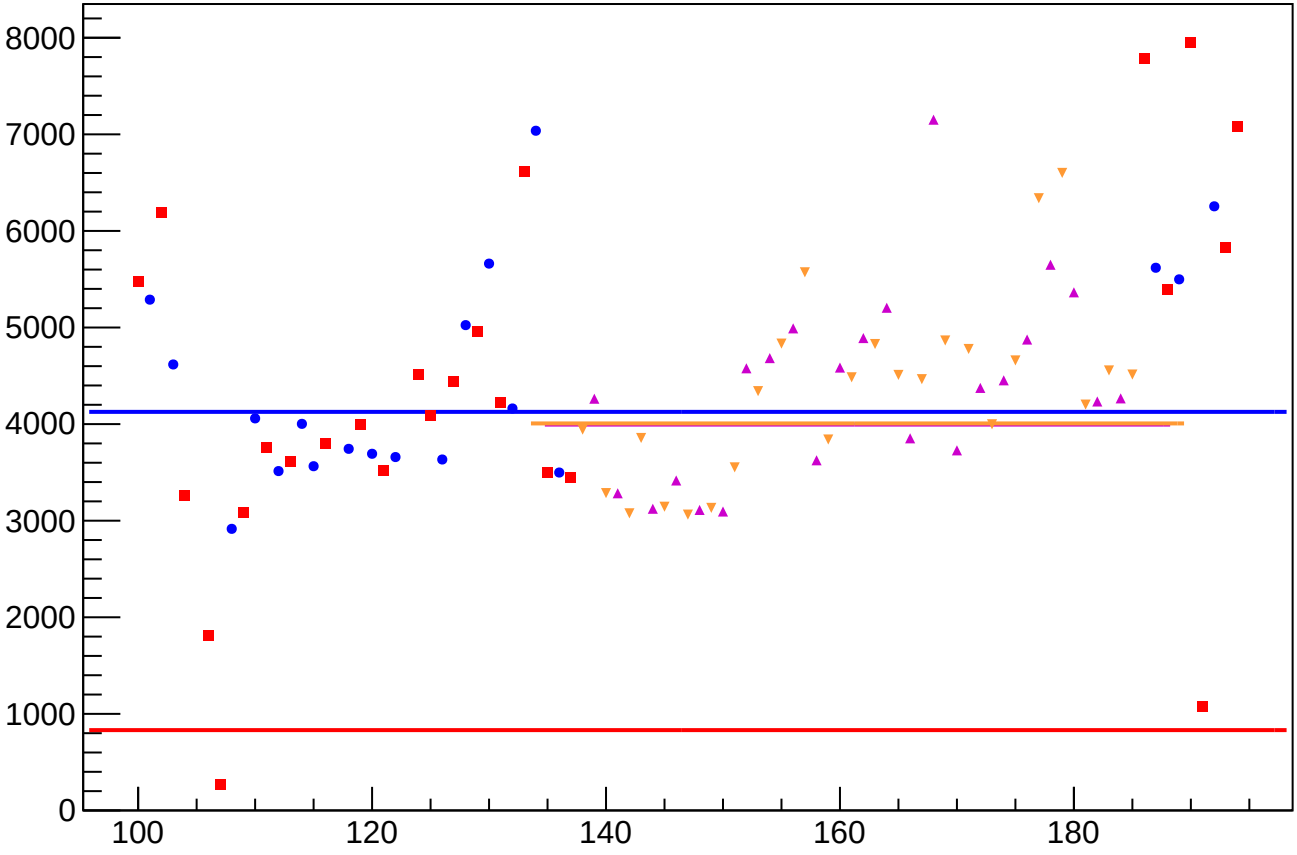
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 51.455+/-782.166 χ^2/NDF: 43.7/43

All: -77.705+/-386.126 χ^2/NDF: 87.2/91

- sign -119.325+/-443.999 χ^2/NDF: 43.5/47

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: 831.762+/-0.354 χ^2/NDF: 15971096.8/24

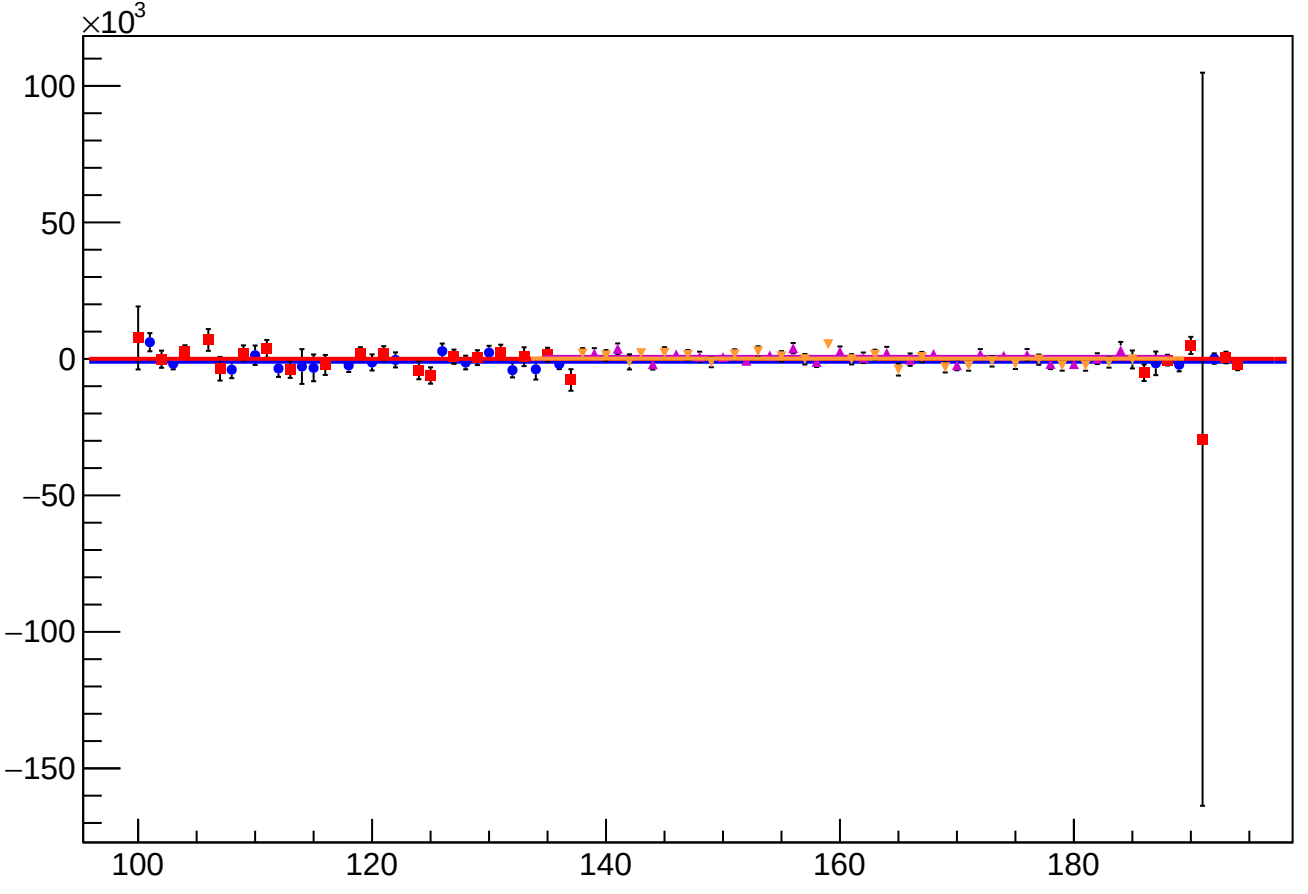
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4042.965+/-0.553 χ^2/NDF: 2421734.3/43

All: 2129.945+/-0.273 χ^2/NDF: 52913103.4/9

- sign 1513.511+/-0.314 χ^2/NDF: 34672361.3/47

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1035.008+/-627.569 χ^2/NDF: 13.8/18

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 33.772+/-577.252 χ^2/NDF: 27.8/24

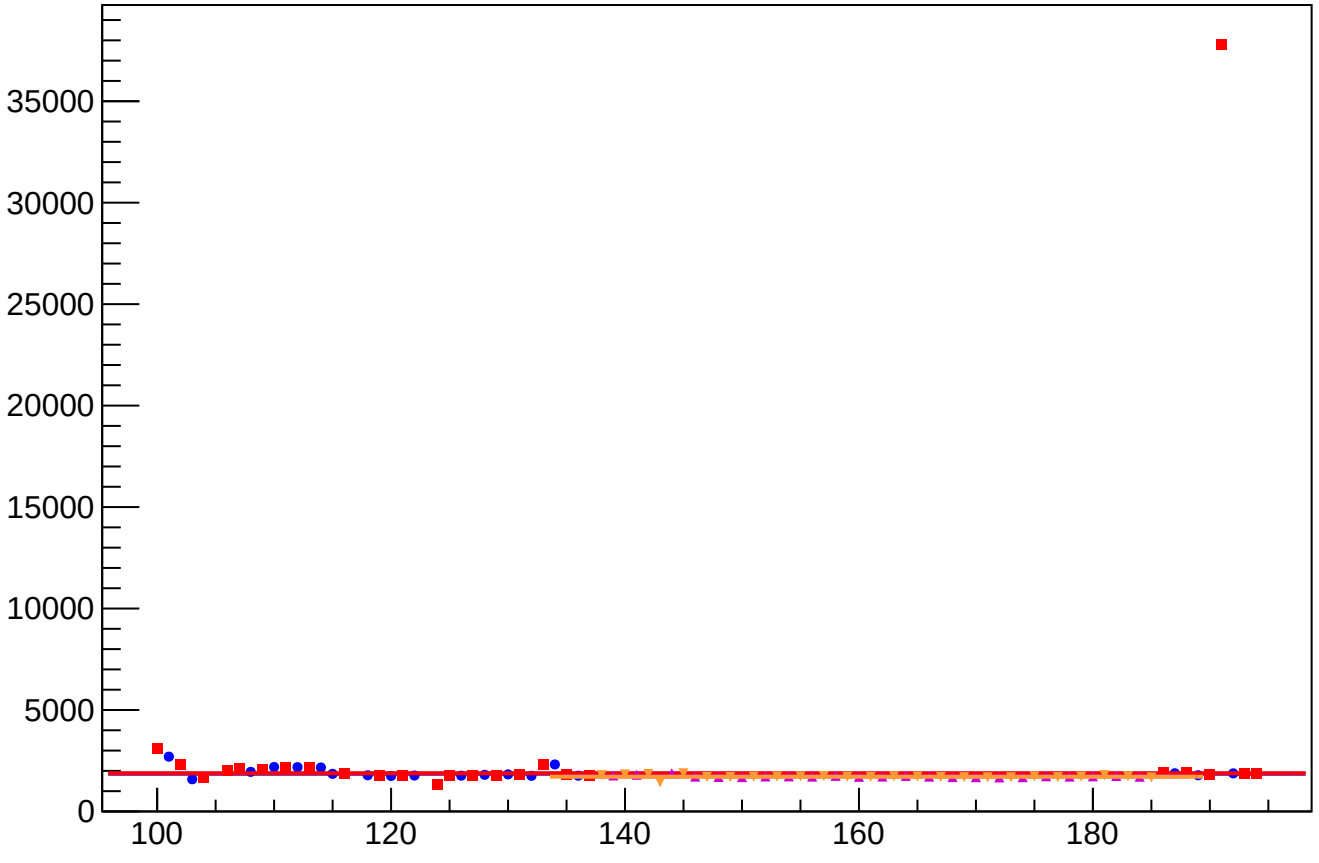
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

\+ sign -201.171+/-330.915 χ^2/NDF: 45.9/43

All: 153.482+/-234.050 χ^2/NDF: 96.1/91

\- sign 508.484+/-331.079 χ^2/NDF: 47.8/47

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

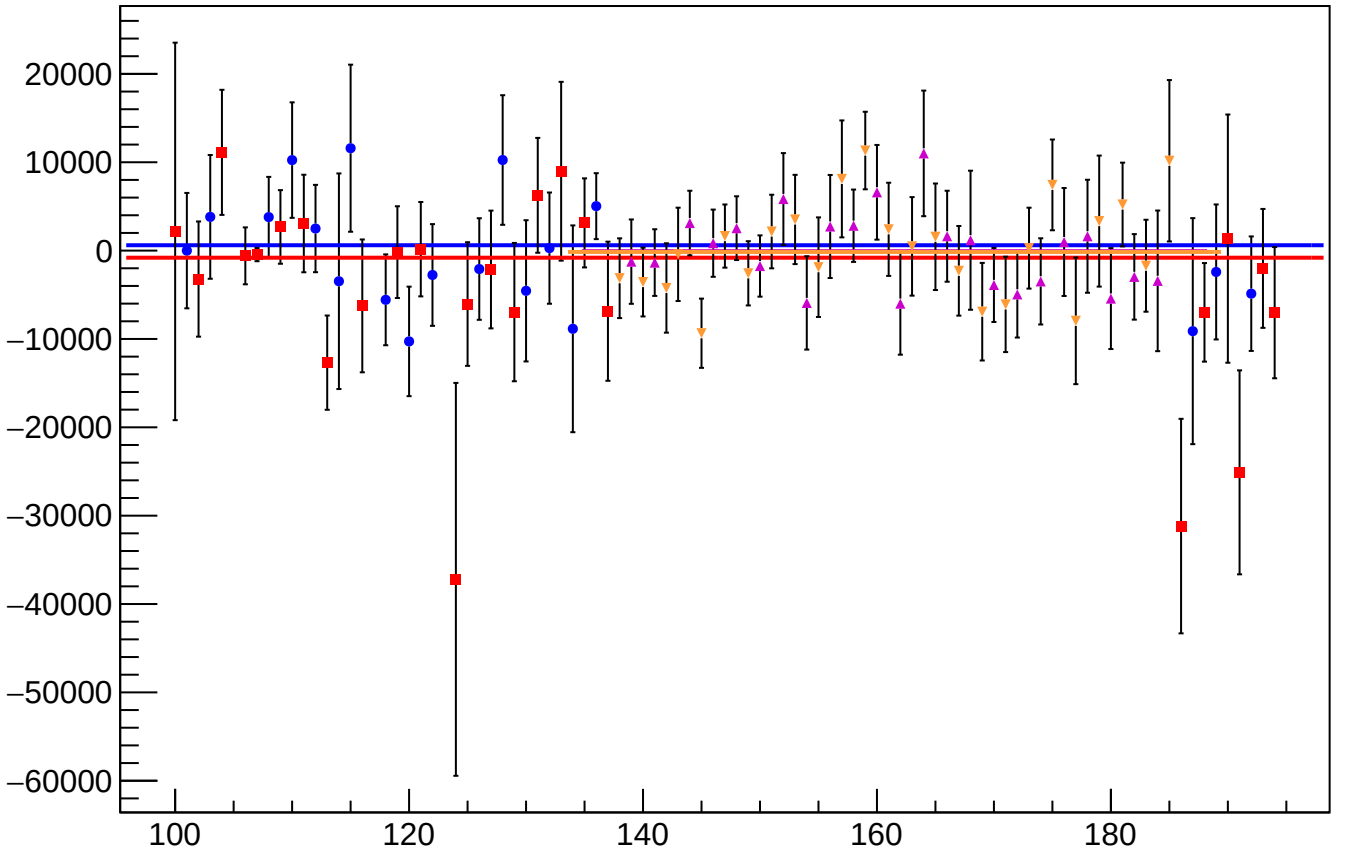
Right Out: 1879.709+/-0.408 χ^2/NDF: 407979.9/24

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1754.064+/-0.234 χ^2/NDF: 435664.9/43

All: 1766.785+/-0.165 χ^2/NDF: 962561.0/91

- sign 1779.514+/-0.234 χ^2/NDF: 520983.3/47



Right In: 608.047+/-1436.872 χ^2/NDF: 15.2/18

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -803.295+/-645.794 χ^2/NDF: 29.8/24

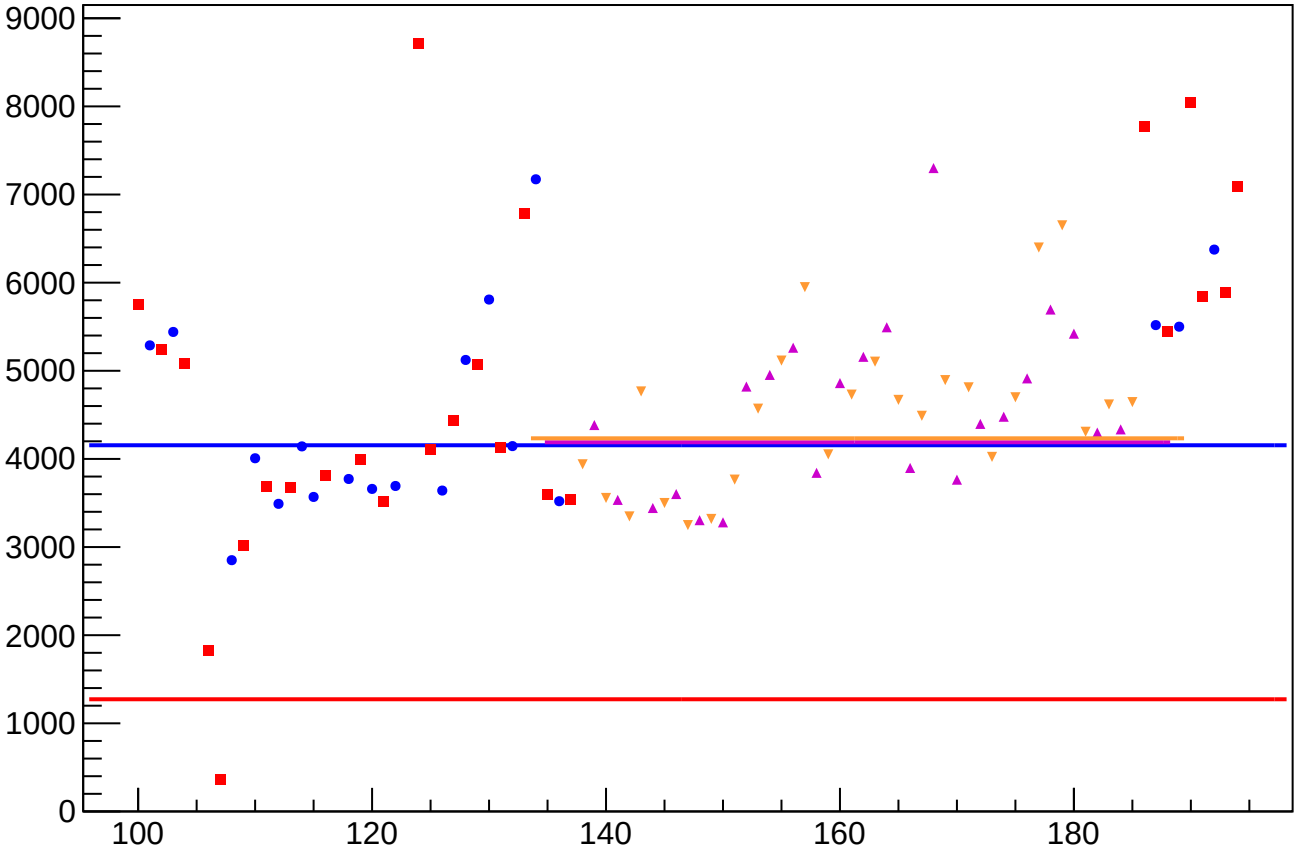
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 92.225+/-812.424 χ^2/NDF: 42.3/43

All: -376.896+/-451.171 χ^2/NDF: 87.0/91

- sign -586.091+/-542.519 χ^2/NDF: 44.2/47

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: 1272.921+/-0.457 χ^2/NDF: 14376024.5/24

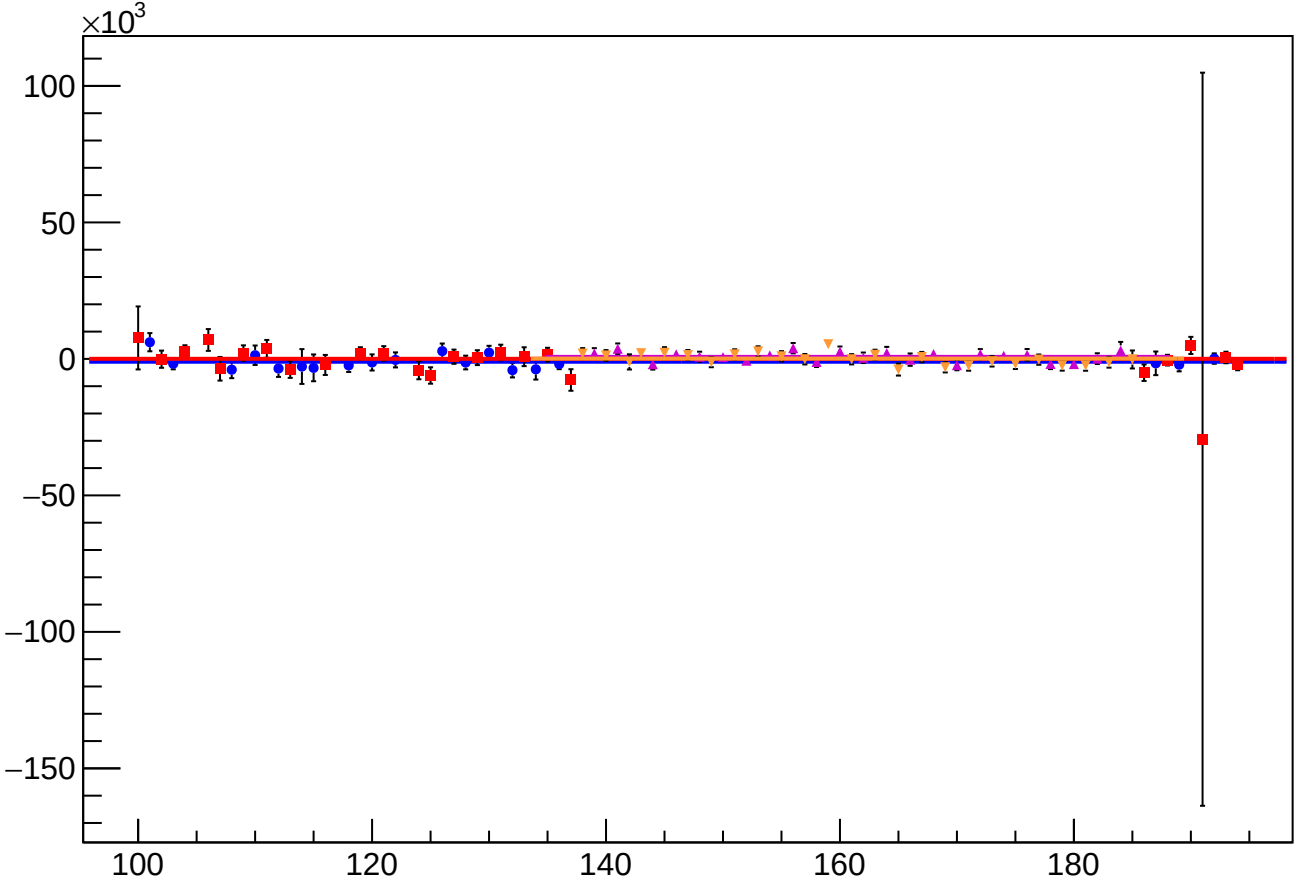
Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4208.703+/-0.574 χ^2/NDF: 2309245.2/43

All: 2771.756+/-0.319 χ^2/NDF: 39075499.9/9

- sign 2130.982+/-0.384 χ^2/NDF: 27719505.4/47

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1035.013+/-627.569 χ^2/NDF: 13.8/18

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 33.776+/-577.252 χ^2/NDF: 27.8/24

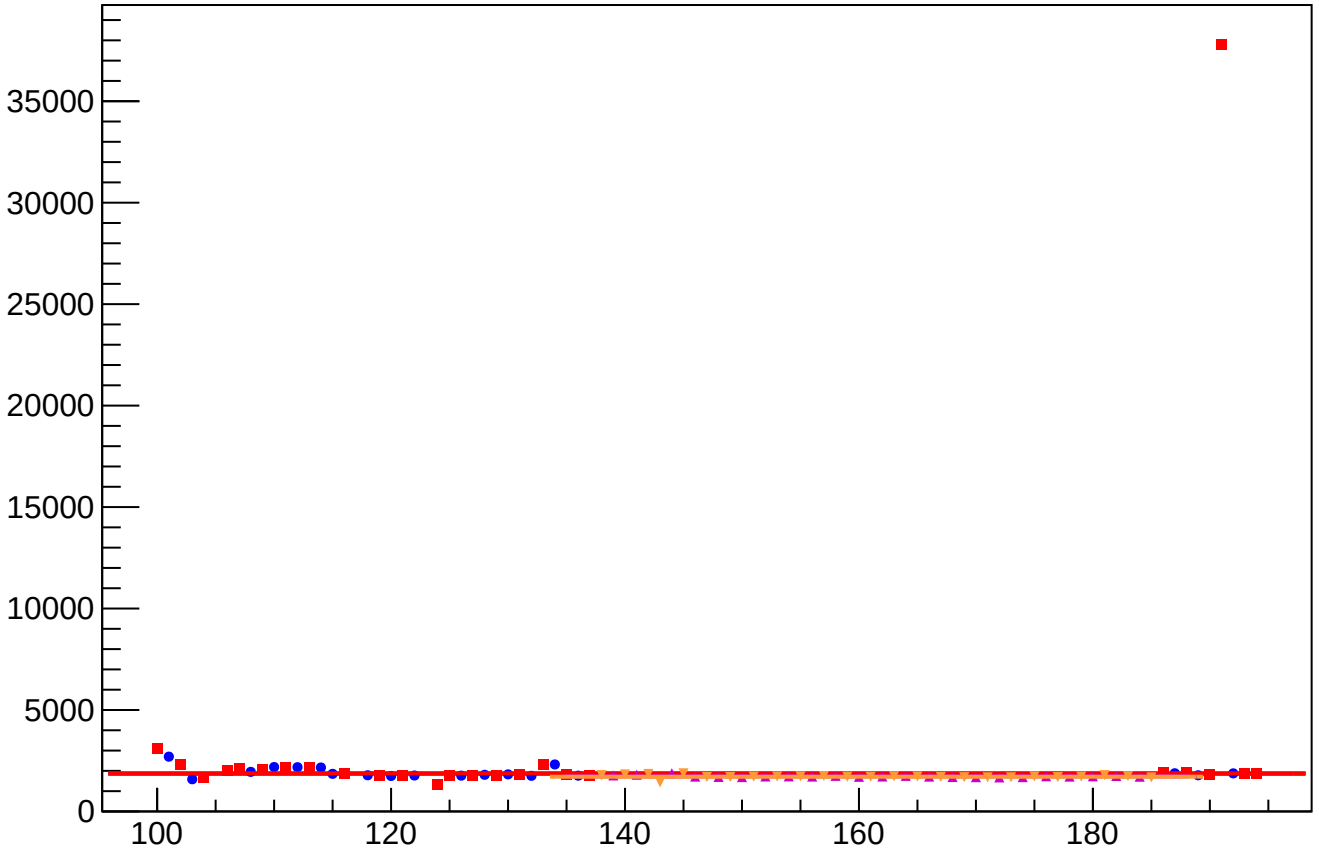
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -201.170+/-330.915 χ^2/NDF: 45.9/43

All: 153.482+/-234.050 χ^2/NDF: 96.1/91

- sign 508.485+/-331.079 χ^2/NDF: 47.8/47

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

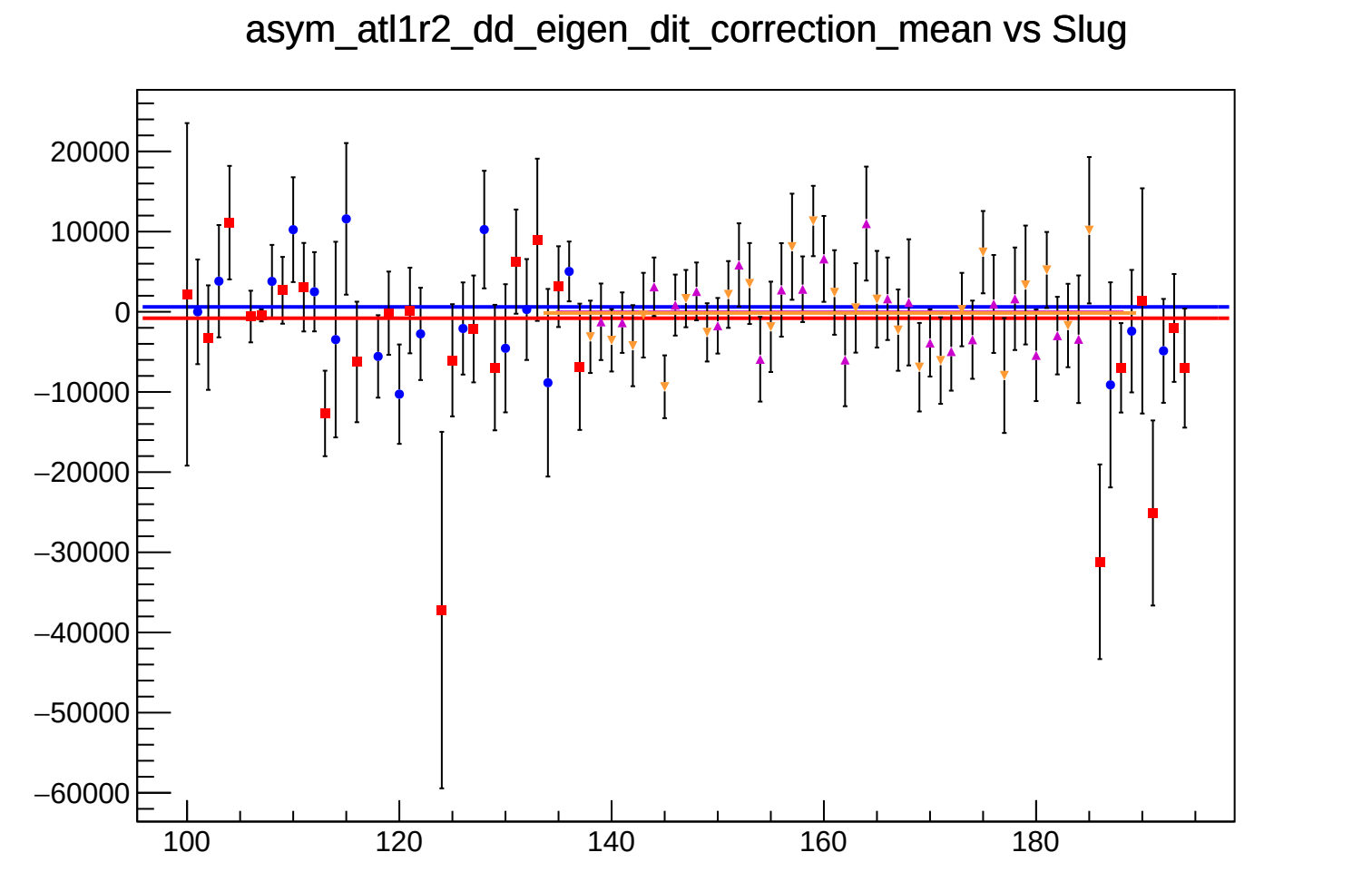
Right Out: 1879.709+/-0.408 χ^2/NDF: 407980.3/24

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1754.064+/-0.234 χ^2/NDF: 435662.9/43

All: 1766.785+/-0.165 χ^2/NDF: 962558.5/91

- sign 1779.514+/-0.234 χ^2/NDF: 520982.9/47



Right In: 608.030+/-1436.870 χ^2/NDF: 15.2/18

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -803.312+/-645.804 χ^2/NDF: 29.8/24

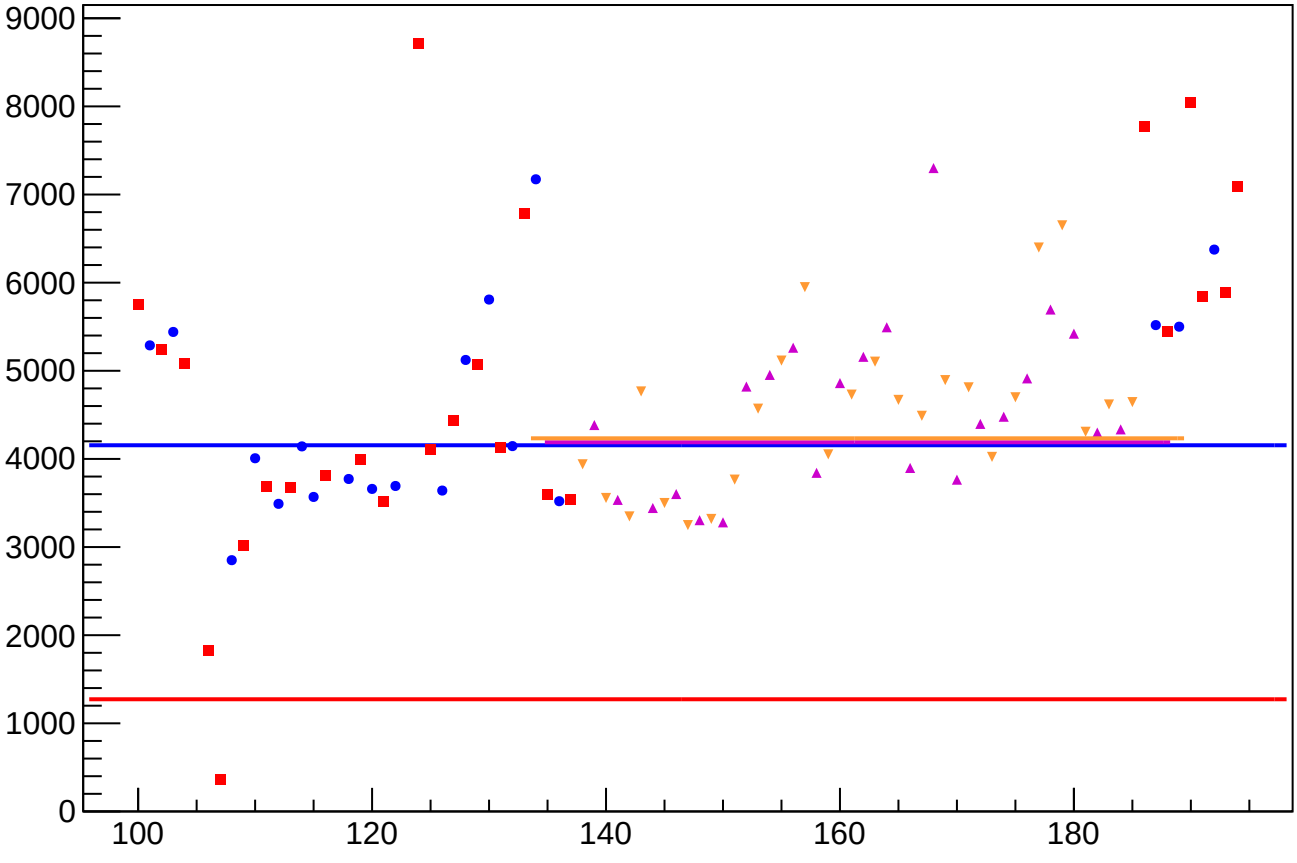
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 92.221+/-812.424 χ^2/NDF: 42.3/43

All: -376.900+/-451.175 χ^2/NDF: 87.0/91

- sign -586.099+/-542.525 χ^2/NDF: 44.2/47

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4155.065+/-1.016 χ^2/NDF: 1020366.2/18

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1272.957+/-0.457 χ^2/NDF: 14375833.6/24

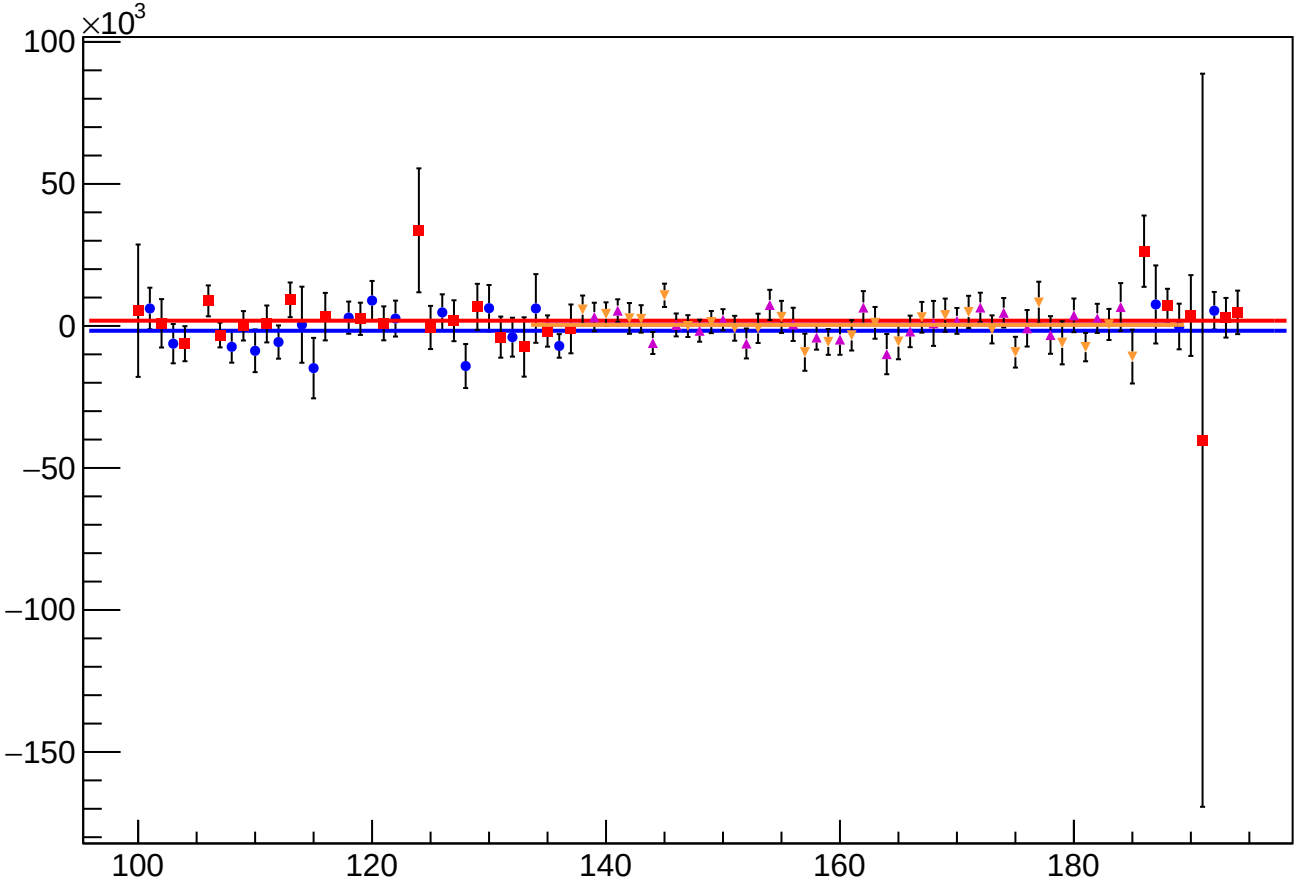
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4208.705+/-0.574 χ^2/NDF: 2309248.7/43

All: 2771.797+/-0.319 χ^2/NDF: 39074495.5/9

- sign 2131.026+/-0.384 χ^2/NDF: 27718937.4/47

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: 1852.107+/-1420.299 χ^2/NDF: 15.9/24

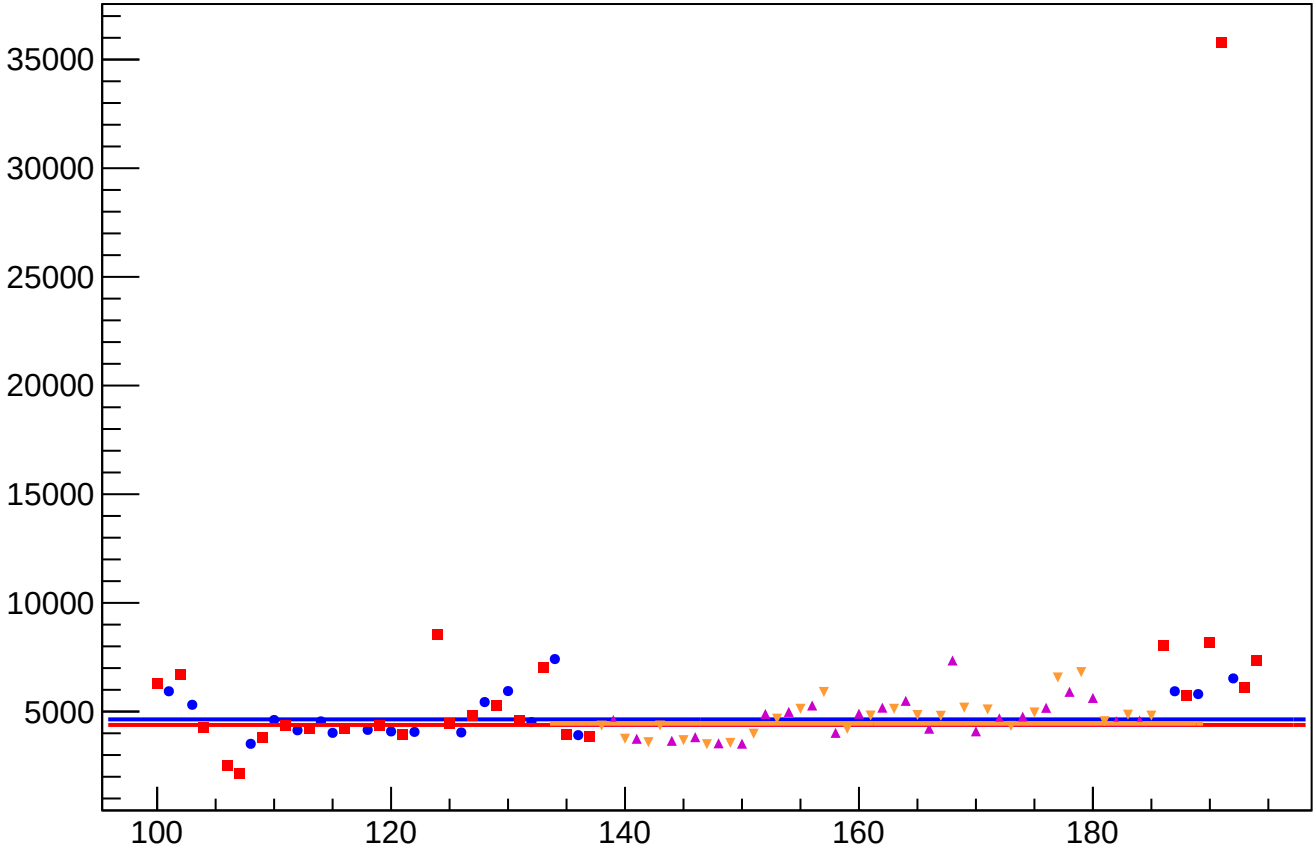
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -219.104+/-863.442 χ^2/NDF: 43.3/43

All: 393.772+/-603.613 χ^2/NDF: 78.1/91

- sign 979.579+/-844.159 χ^2/NDF: 33.8/47

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: 4384.281+/-0.996 χ^2/NDF: 2239097.4/24

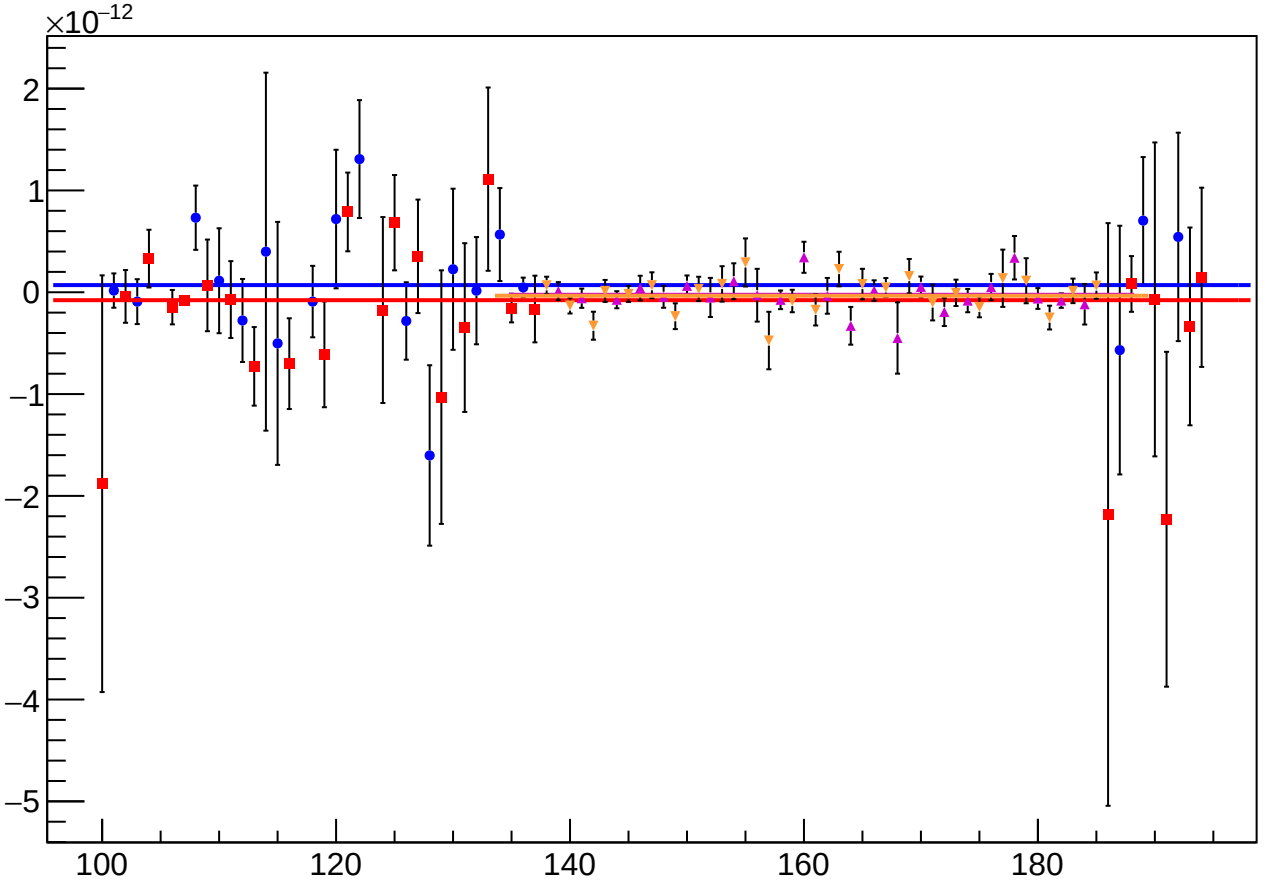
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4499.555+/-0.611 χ^2/NDF: 1801085.9/43

All: 4450.692+/-0.426 χ^2/NDF: 5164711.6/91

- sign 4404.265+/-0.595 χ^2/NDF: 3351134.9/47

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: 22.8/24

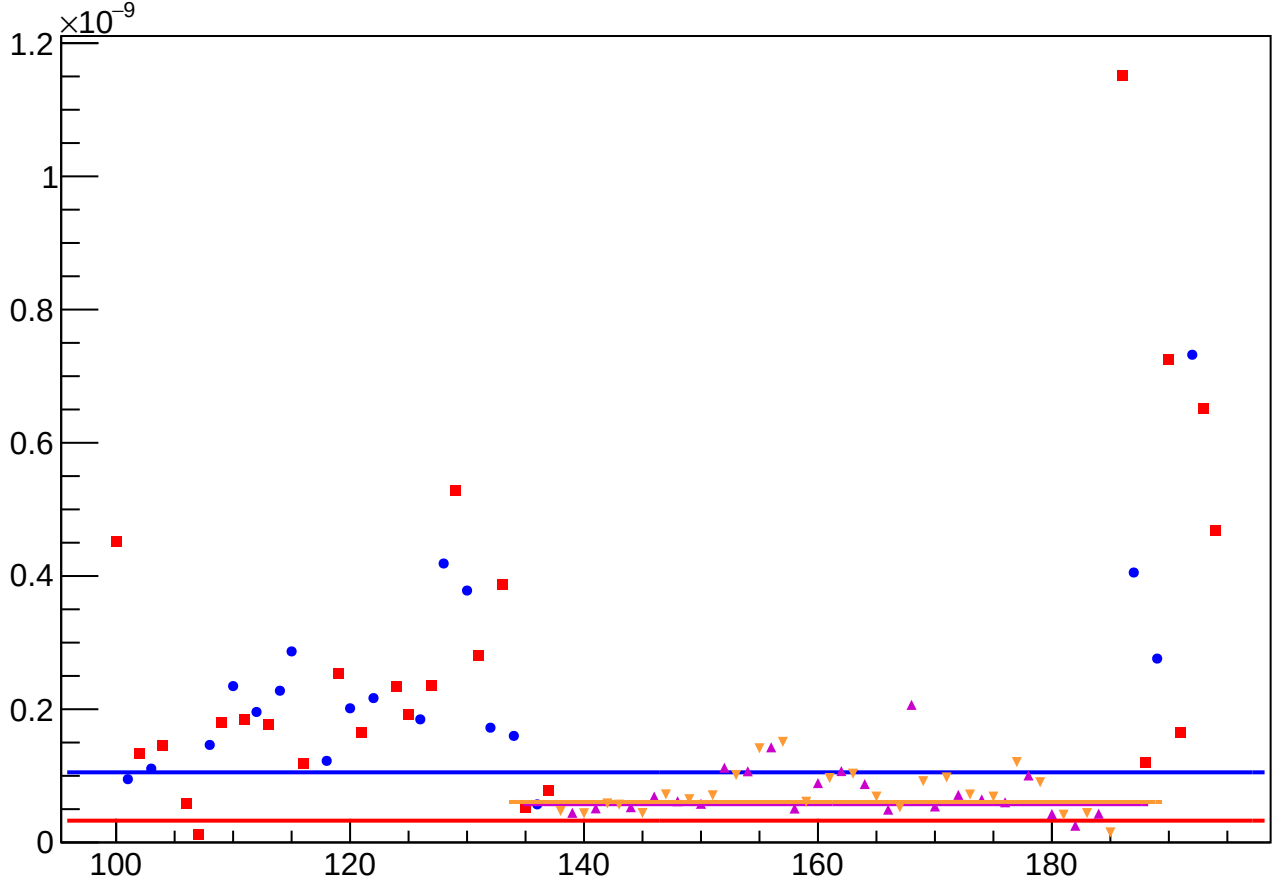
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.5/43

All: -0.000+/-0.000 χ^2/NDF: 93.8/91

- sign -0.000+/-0.000 χ^2/NDF: 43.7/47

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: 6608202.0/24

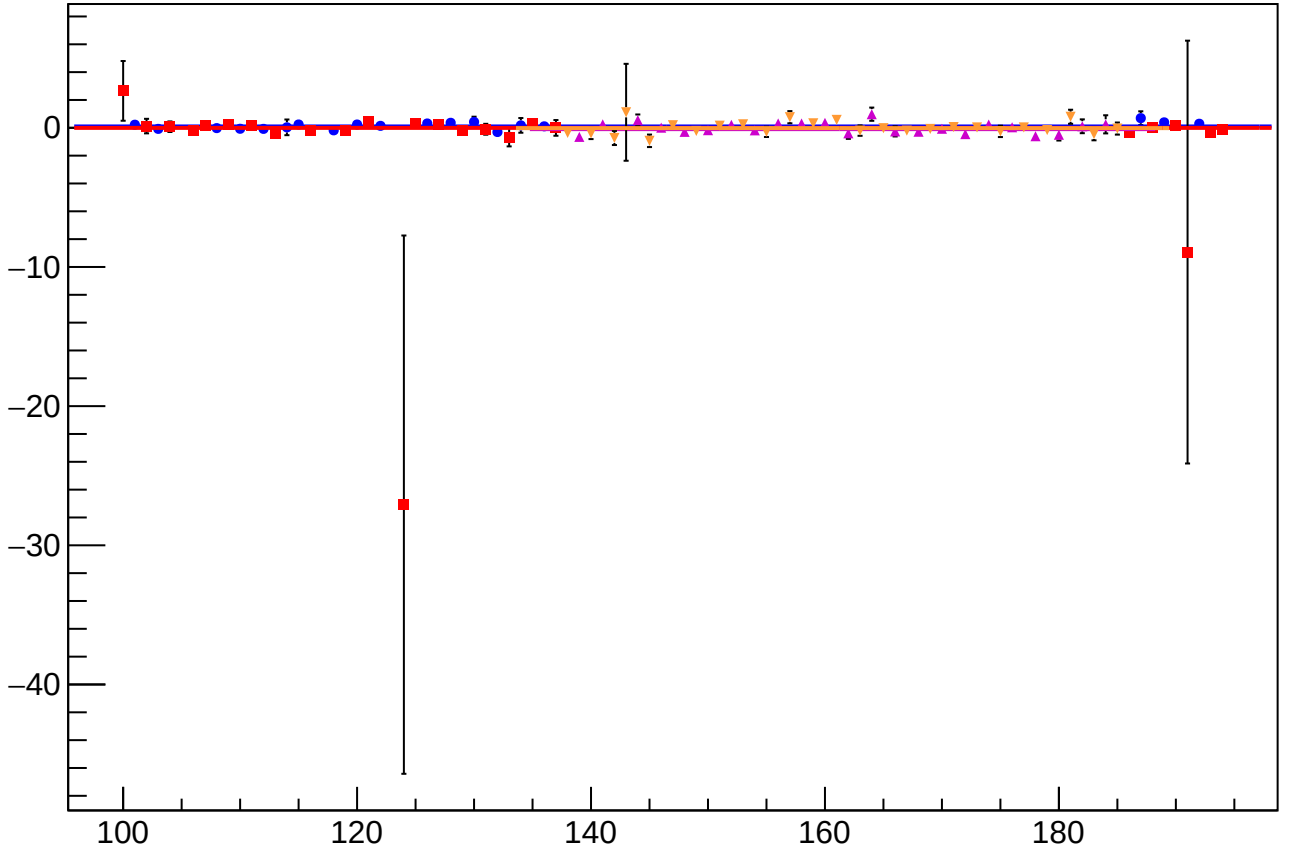
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5089356.8/43

All: 0.000+/-0.000 χ^2/NDF: 14953781.0/91

- sign 0.000+/-0.000 χ^2/NDF: 9210439.5/47

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: -0.005+/-0.051 χ^2/NDF: 26.4/24

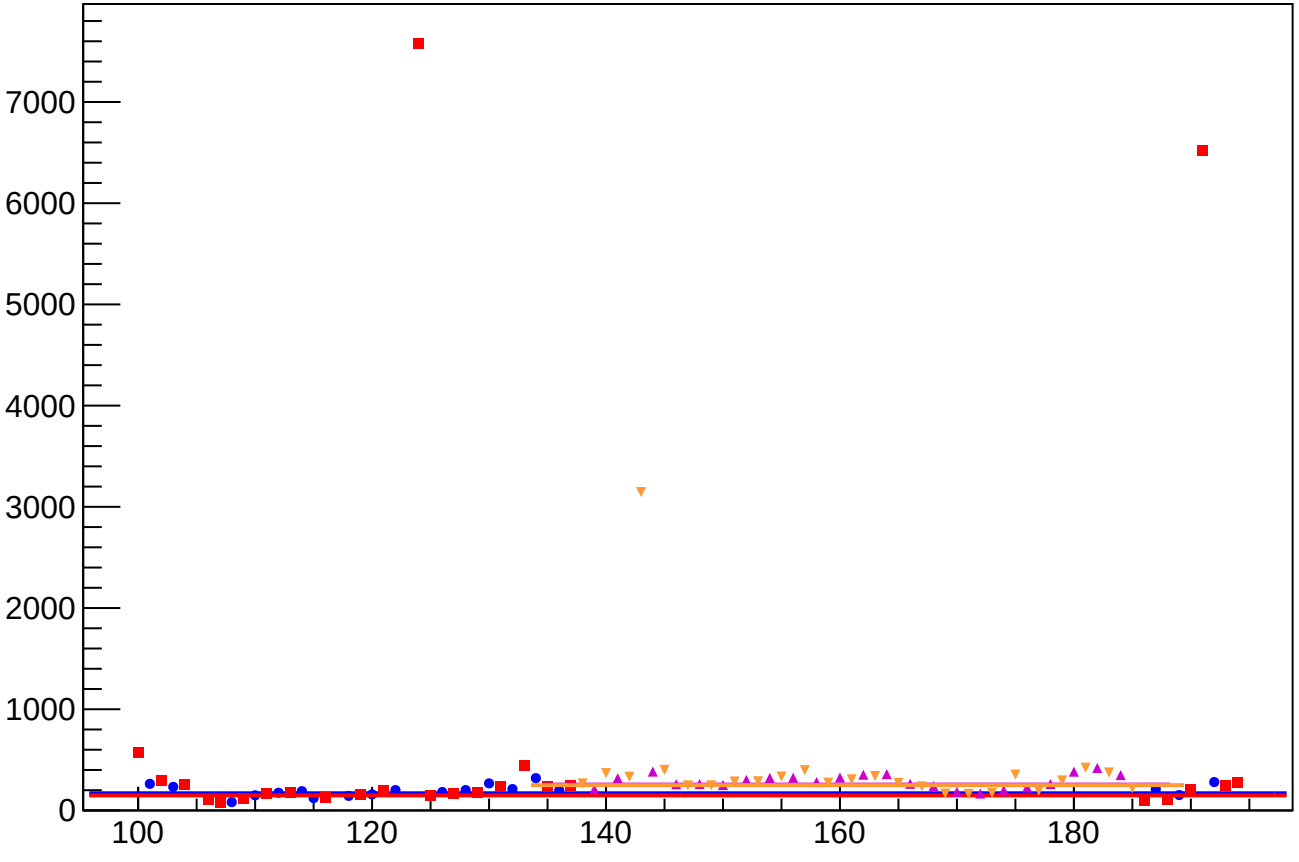
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.044 χ^2/NDF: 37.4/43

All: -0.006+/-0.029 χ^2/NDF: 98.2/91

- sign -0.041+/-0.040 χ^2/NDF: 59.1/47

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

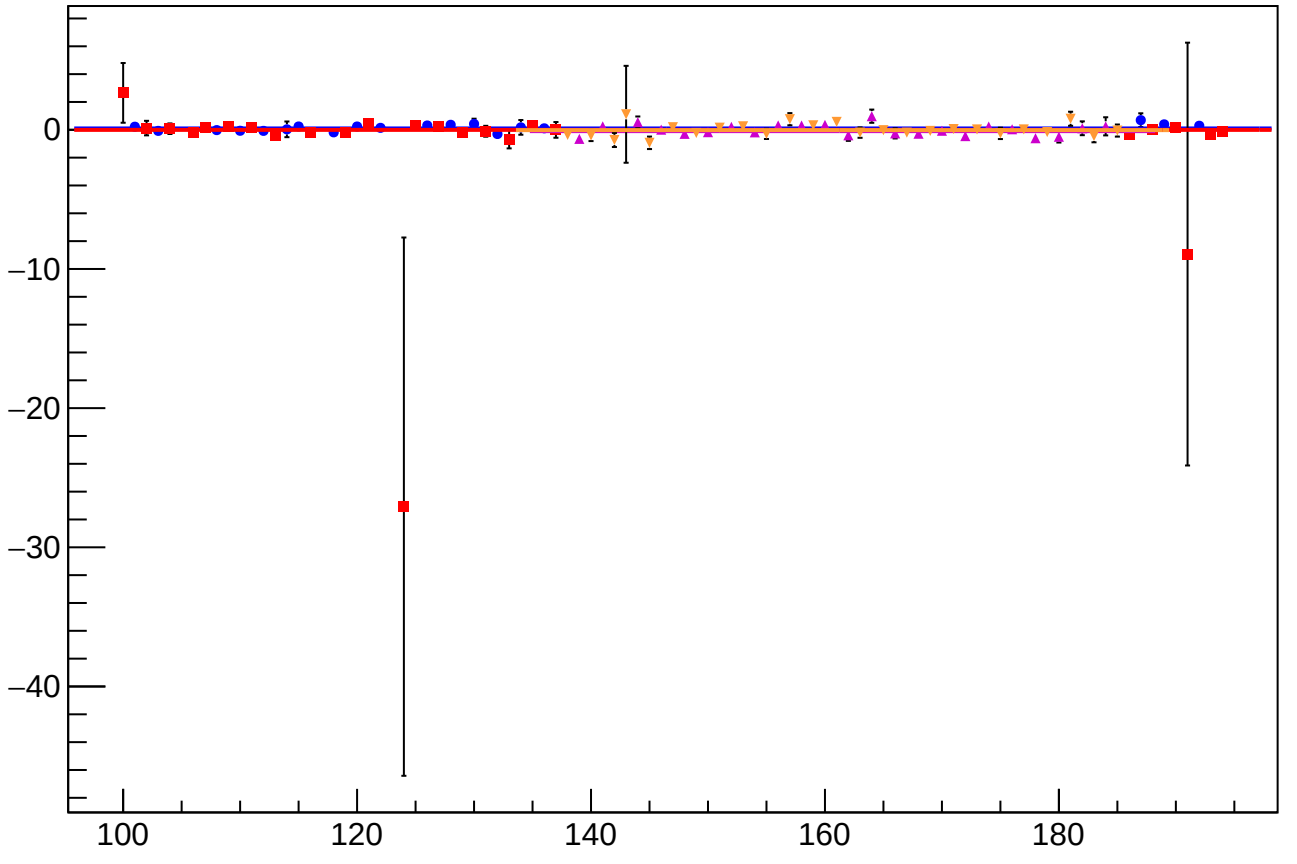
Right Out: 149.006+/-0.036 χ^2/NDF: 3358412.7/24

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 209.716+/-0.031 χ^2/NDF: 7725613.4/43

All: 199.787+/-0.021 χ^2/NDF: 16804297.5/91

- sign 191.485+/-0.028 χ^2/NDF: 8887840.9/47



Right In: 0.097+/-0.062 χ^2/NDF: 11.9/18

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.005+/-0.051 χ^2/NDF: 26.4/24

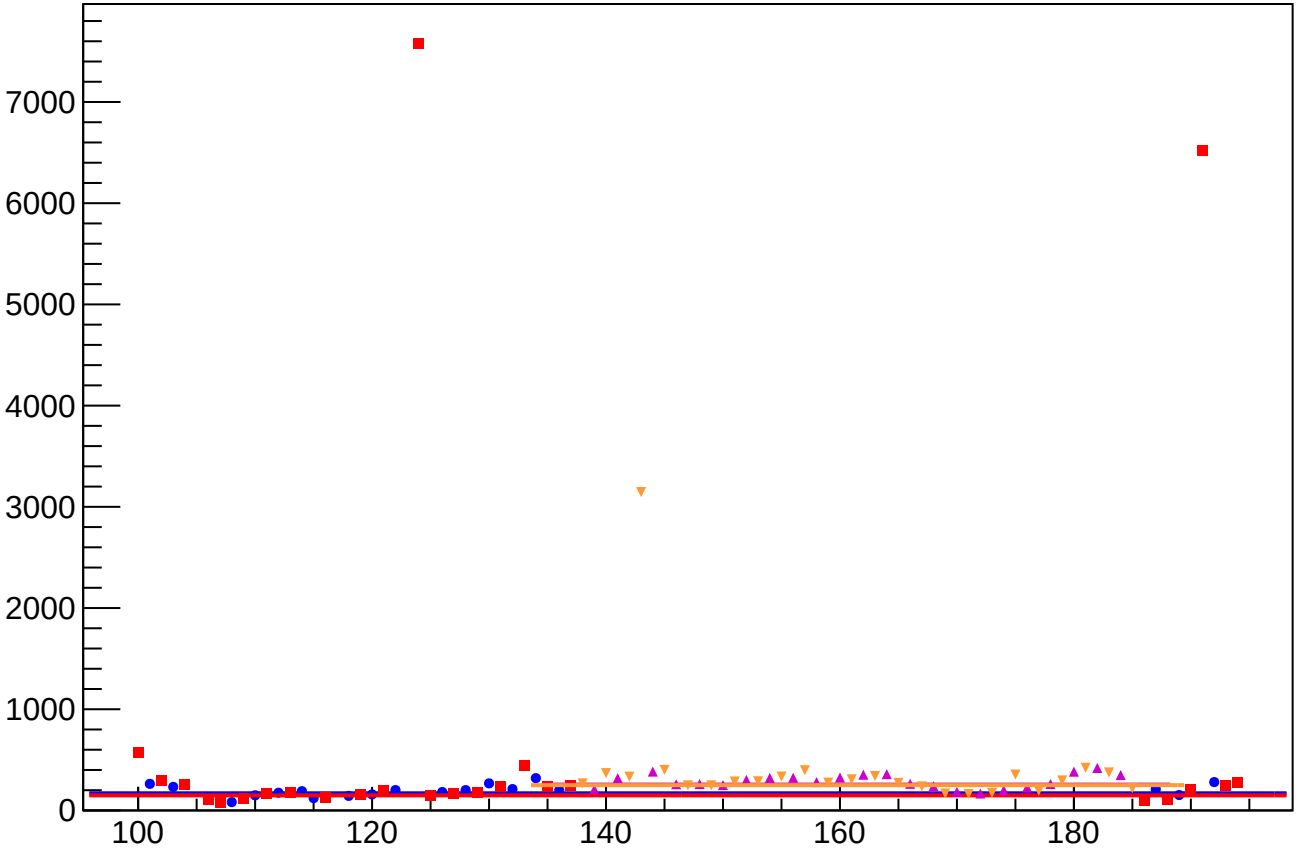
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

\+ sign 0.036+/-0.044 χ^2/NDF: 37.4/43

All: -0.006+/-0.029 χ^2/NDF: 98.2/91

\- sign -0.041+/-0.040 χ^2/NDF: 59.1/47

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: 149.006+/-0.036 χ^2/NDF: 3358412.7/24

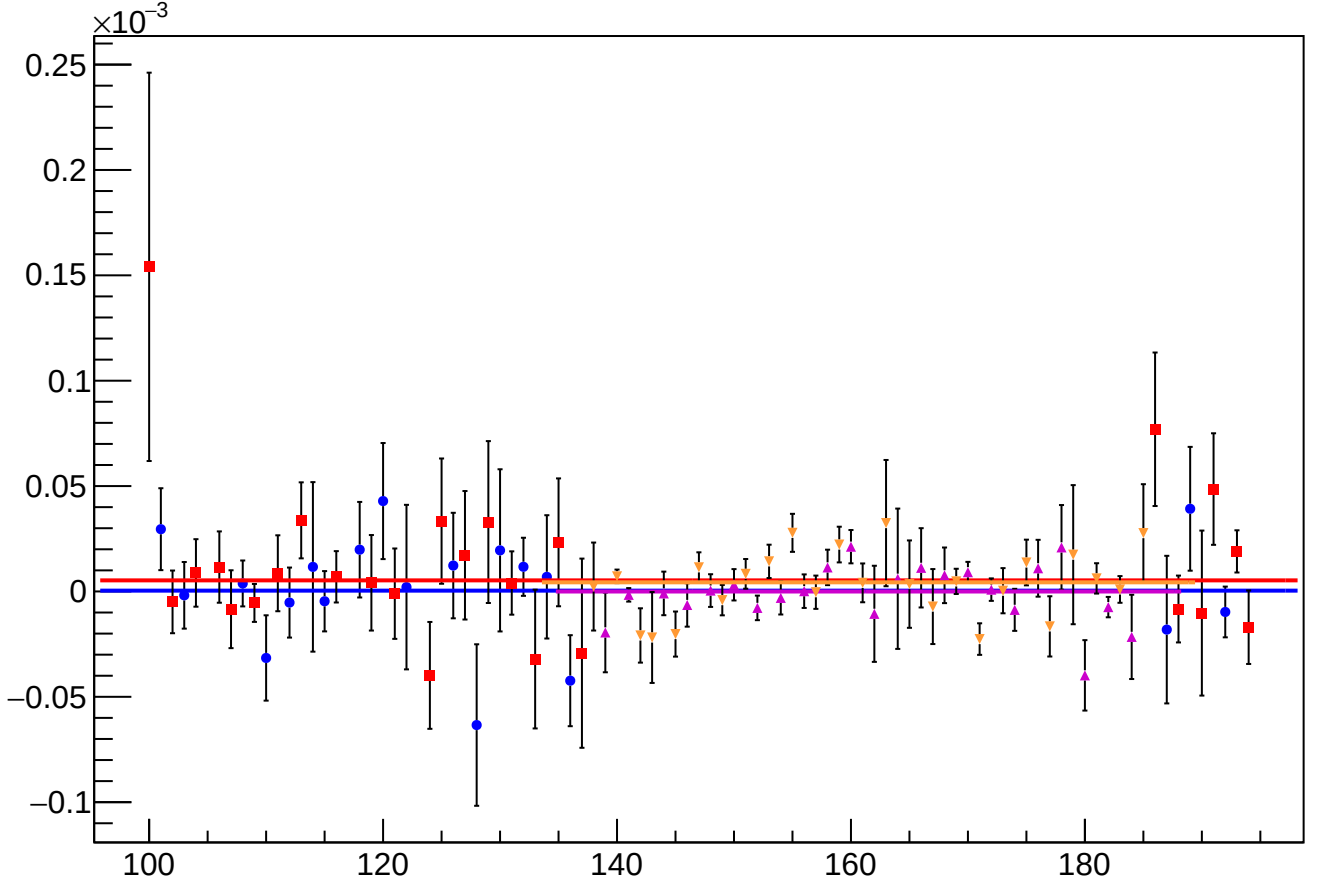
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 209.716+/-0.031 χ^2/NDF: 7725613.4/43

All: 199.787+/-0.021 χ^2/NDF: 16804297.5/91

- sign 191.485+/-0.028 χ^2/NDF: 8887840.9/47

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/24

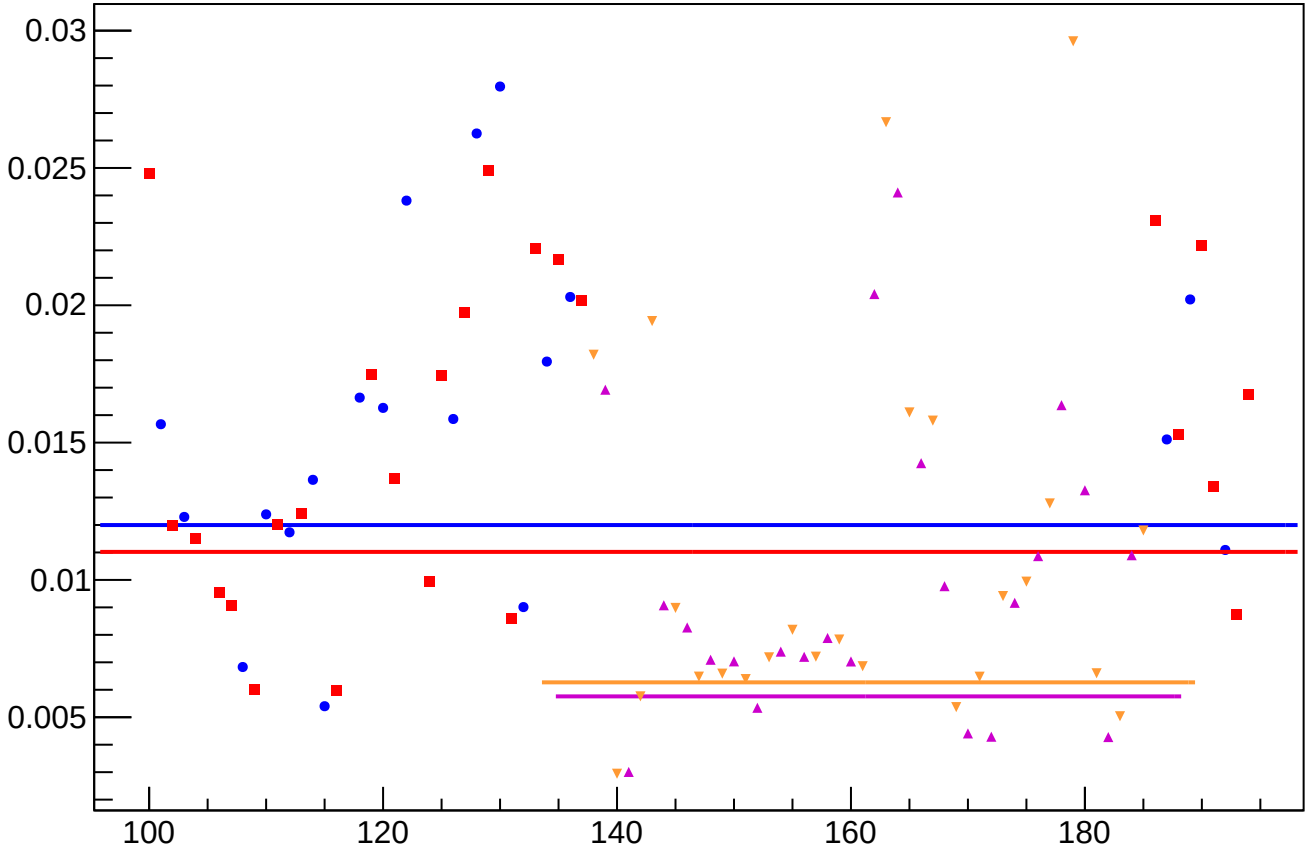
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.7/43

All: 0.000+/-0.000 χ^2/NDF: 124.3/91

- sign 0.000+/-0.000 χ^2/NDF: 56.6/47

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

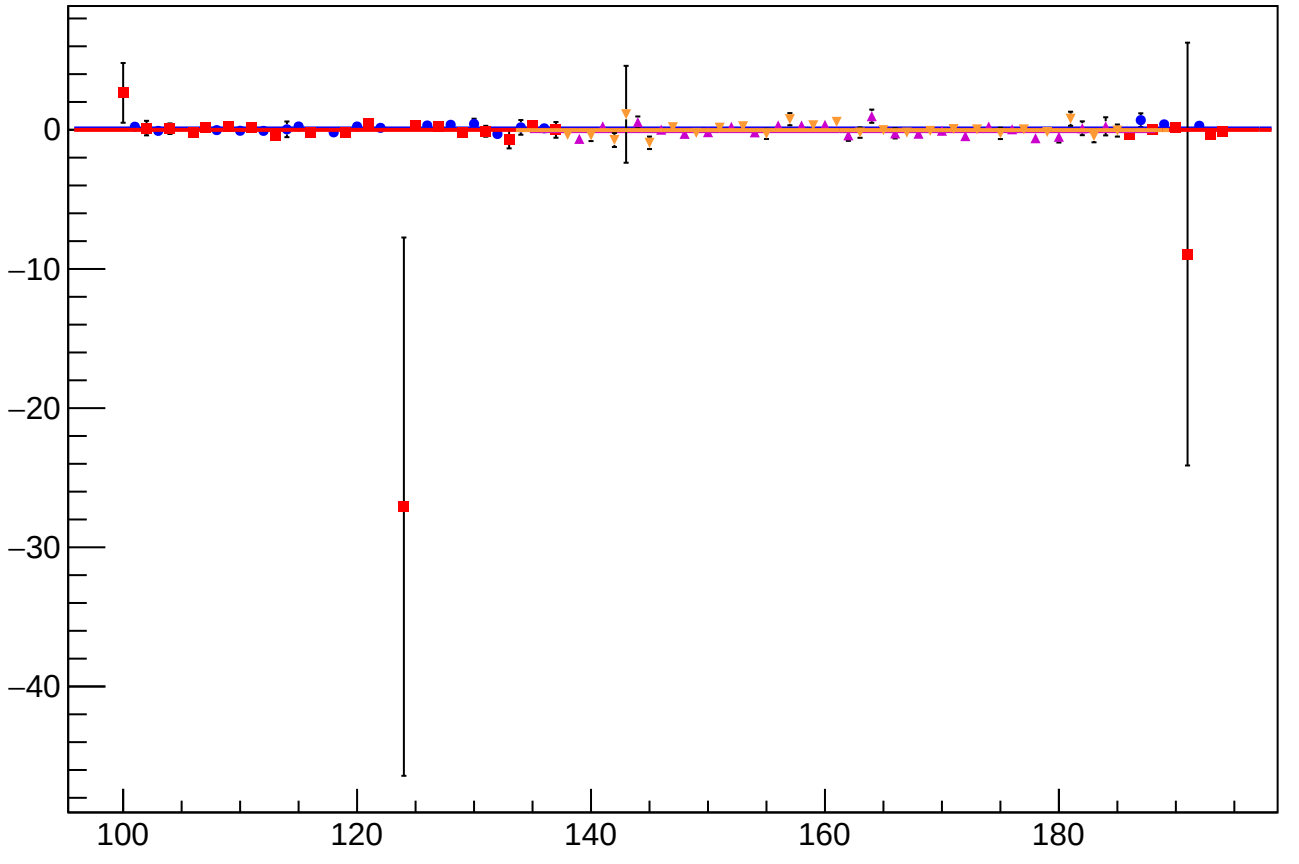
Right Out: 0.011+/-0.000 χ^2/NDF: 3256043.7/24

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: 27364181.8/91

- sign 0.007+/-0.000 χ^2/NDF: 13863935.1/47



Right In: 0.097+/-0.062 χ^2/NDF: 11.9/18

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.005+/-0.051 χ^2/NDF: 26.4/24

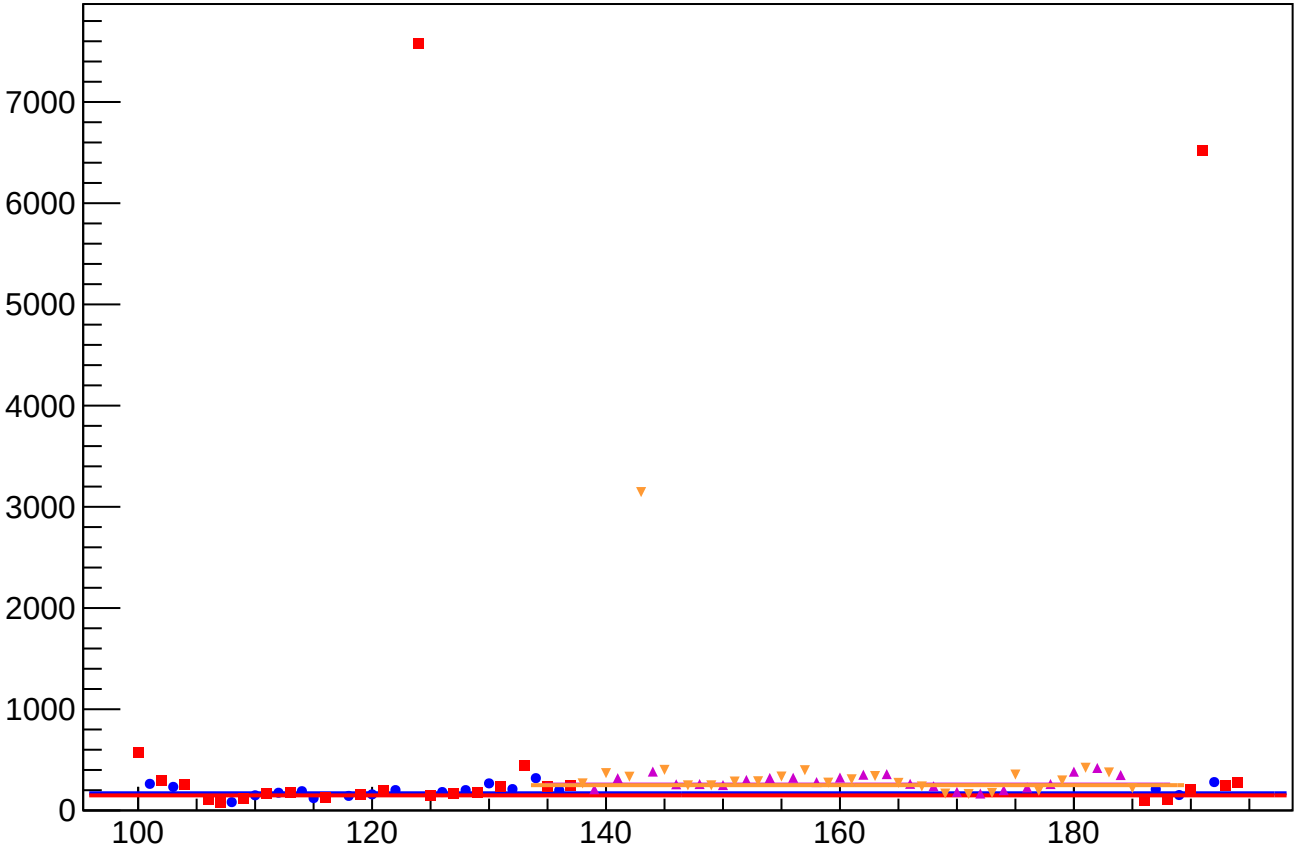
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

\+ sign 0.036+/-0.044 χ^2/NDF: 37.4/43

All: -0.006+/-0.029 χ^2/NDF: 98.2/91

\- sign -0.041+/-0.040 χ^2/NDF: 59.1/47

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

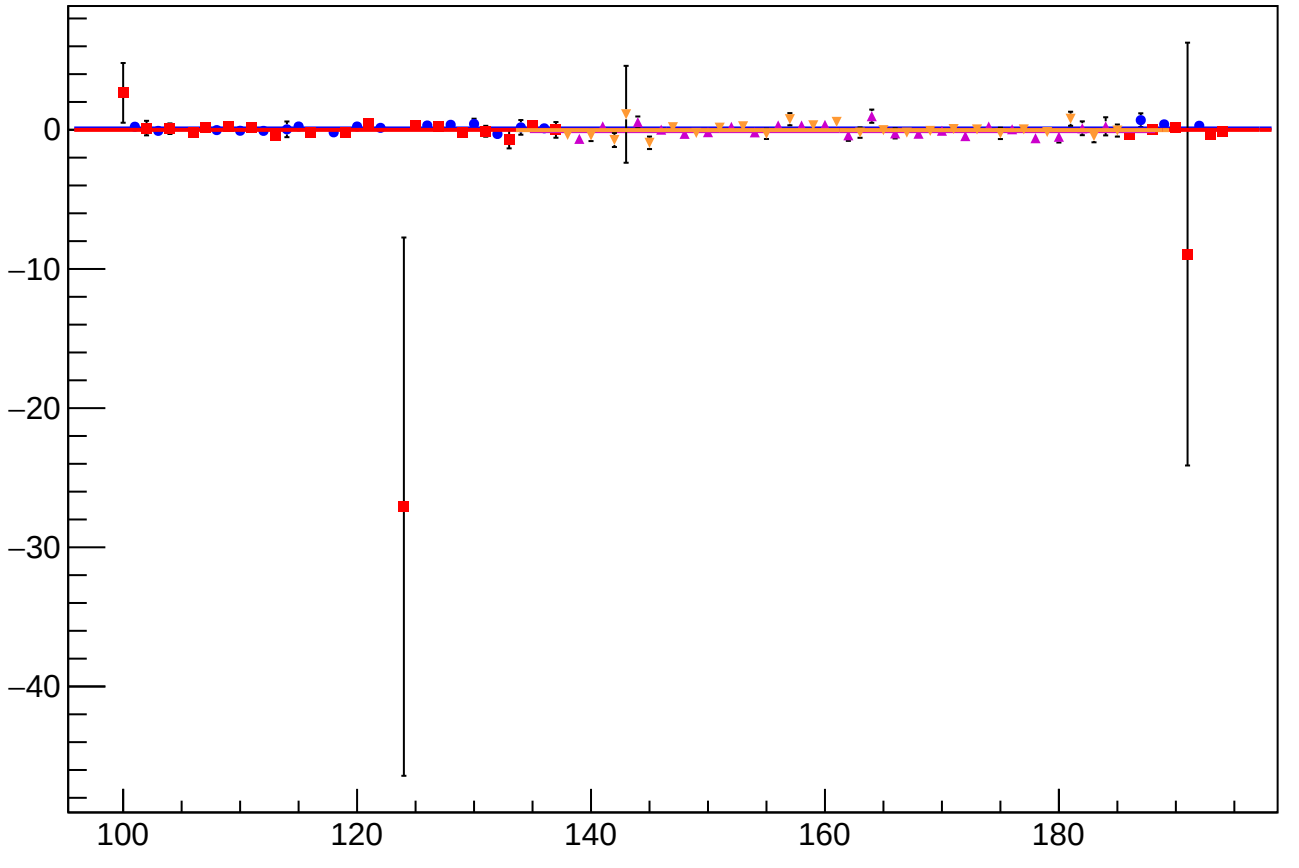
Right Out: 149.008+/-0.036 χ^2/NDF: 3358293.2/24

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 209.715+/-0.031 χ^2/NDF: 7725862.3/43

All: 199.788+/-0.021 χ^2/NDF: 16804332.0/91

- sign 191.487+/-0.028 χ^2/NDF: 8887696.4/47



Right In: 0.097+/-0.062 χ^2/NDF: 11.9/18

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

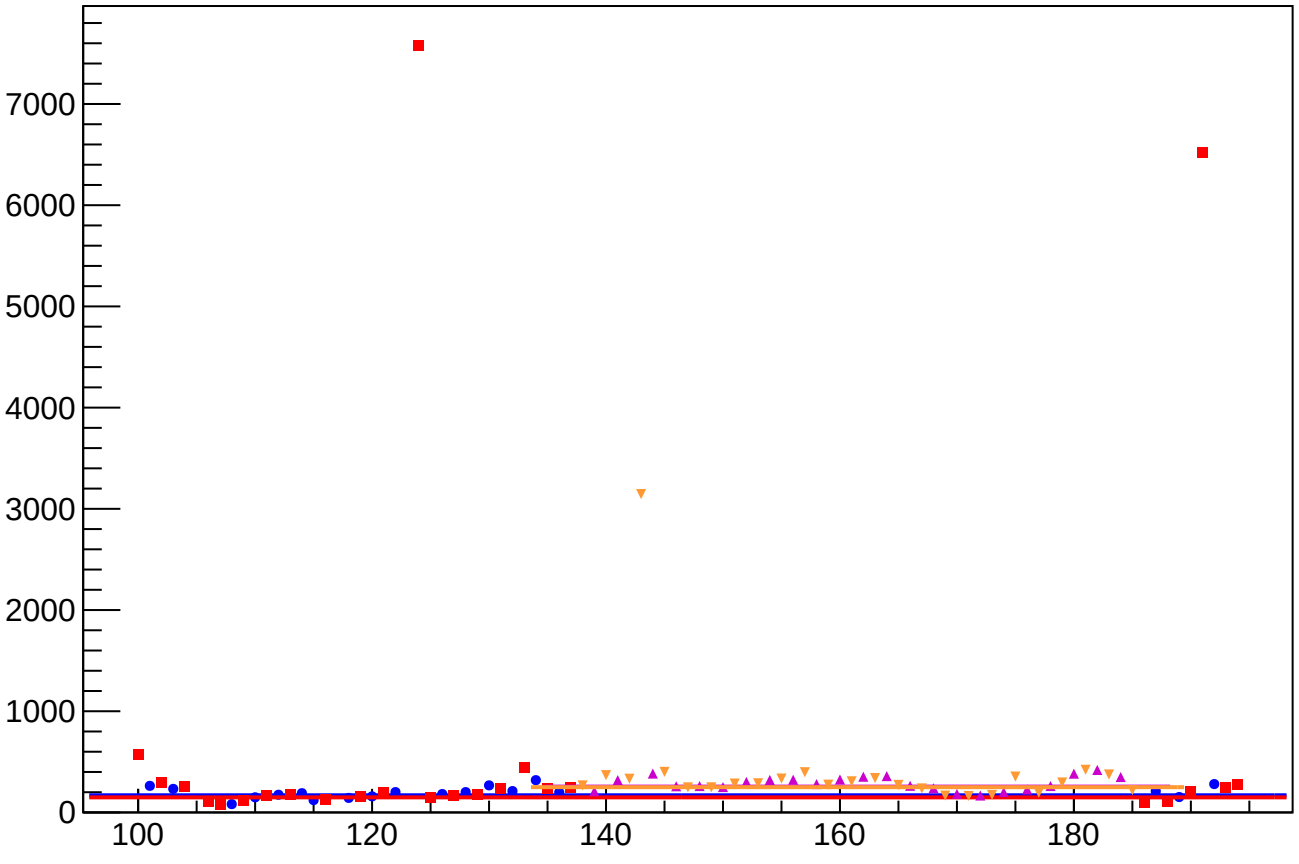
Right Out: -0.005+/-0.051 χ^2/NDF: 26.4/24

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.036+/-0.044 χ^2/NDF: 37.4/43

All: -0.006+/-0.029 χ^2/NDF: 98.2/91

- sign -0.041+/-0.040 χ^2/NDF: 59.1/47



Right In: 169.645+/-0.044 χ^2/NDF: 1795676.0/18

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

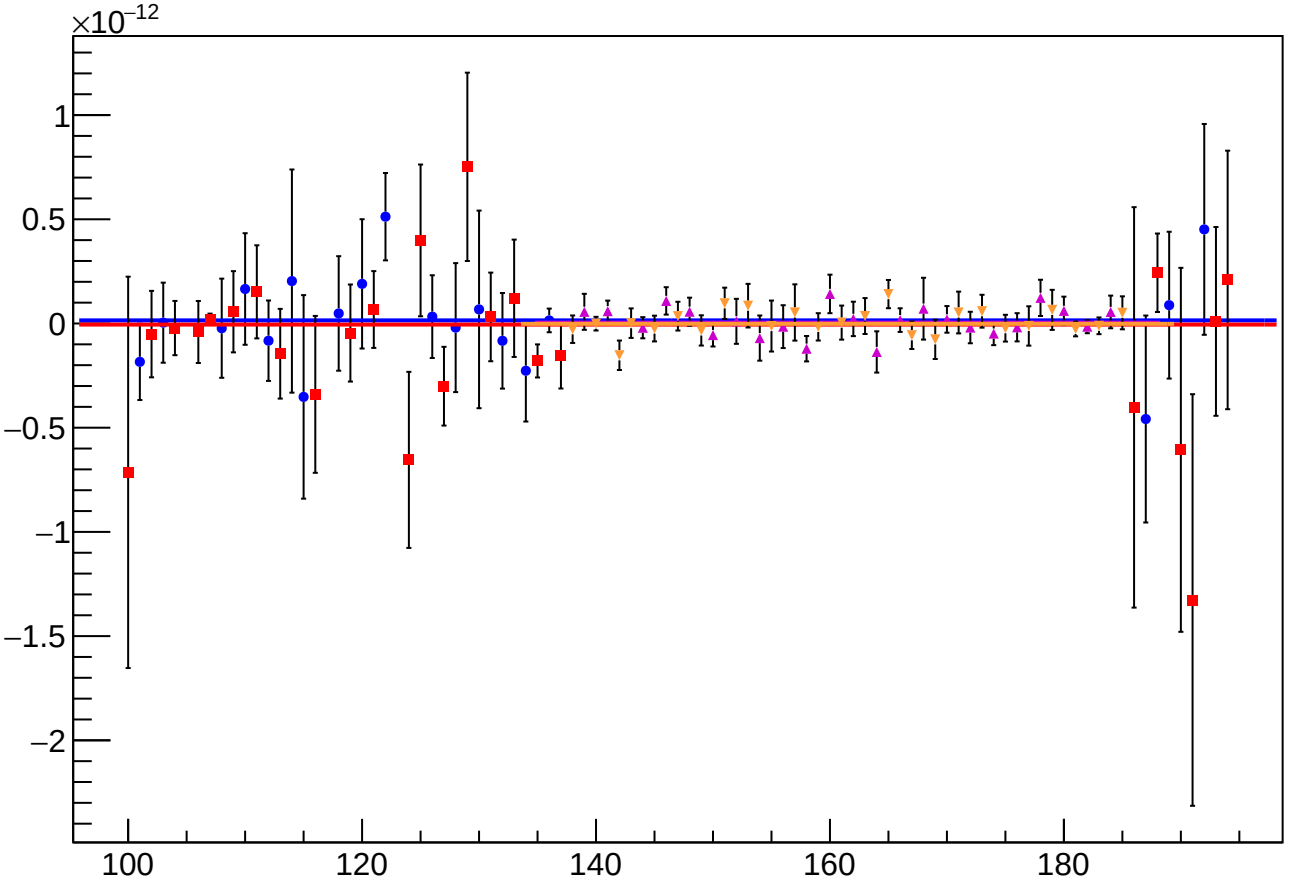
Right Out: 149.008+/-0.036 χ^2/NDF: 3358293.2/24

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 209.715+/-0.031 χ^2/NDF: 7725862.3/43

All: 199.788+/-0.021 χ^2/NDF: 16804332.0/91

- sign 191.487+/-0.028 χ^2/NDF: 8887696.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

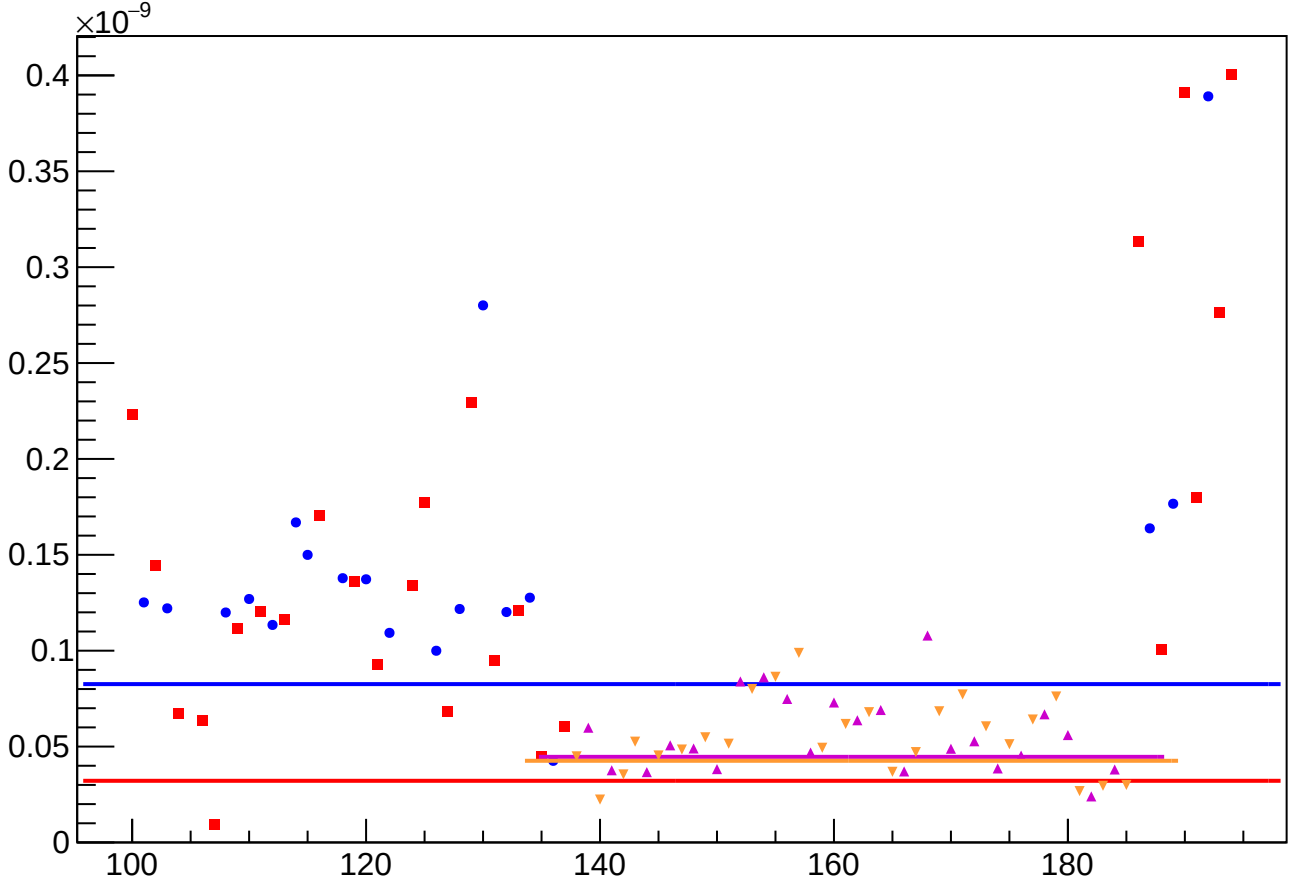
Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/24

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.8/43

All: 0.000+/-0.000 χ^2/NDF: 70.5/91

- sign 0.000+/-0.000 χ^2/NDF: 42.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 3052380.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7618957.9/24

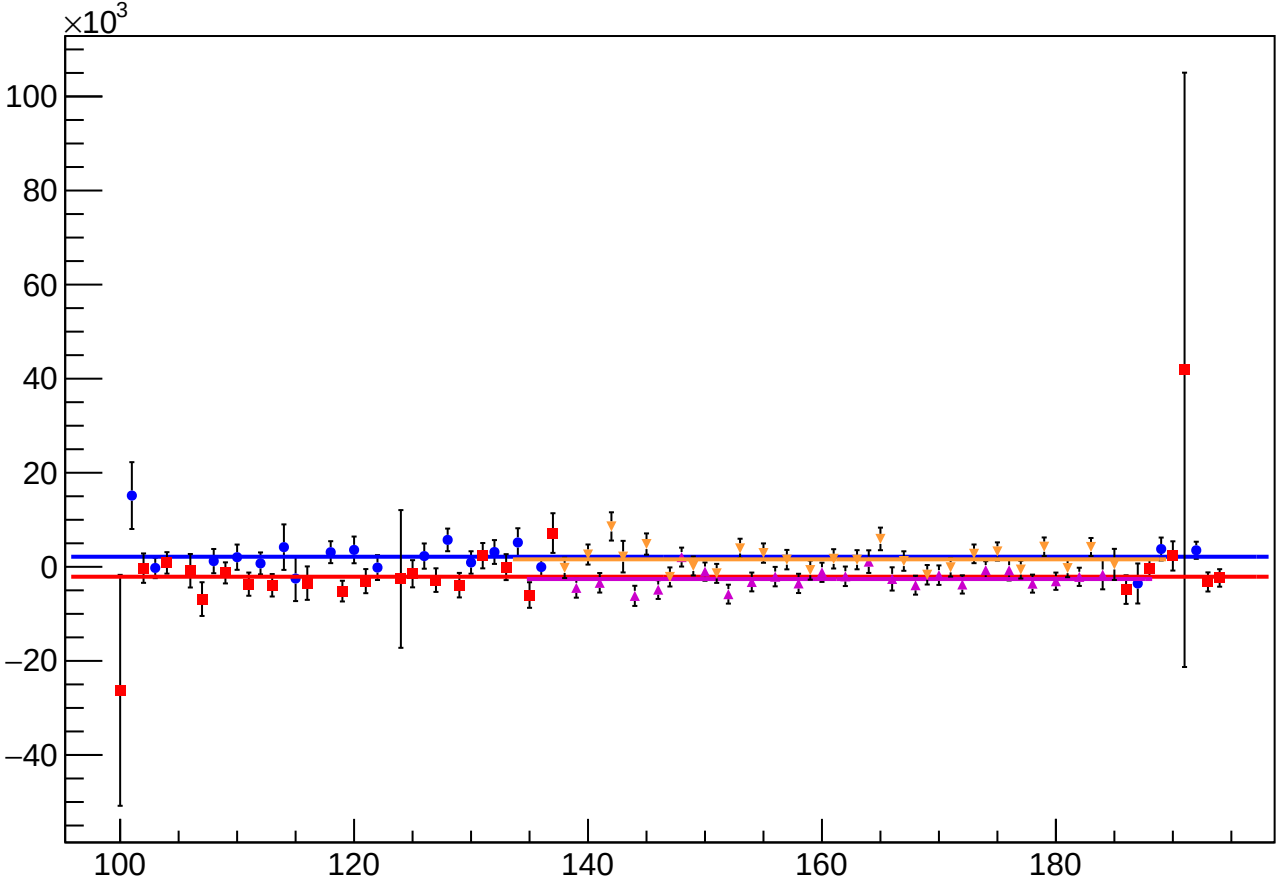
Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8370538.8/43

All: 0.000+/-0.000 χ^2/NDF: 19461276.6/91

- sign 0.000+/-0.000 χ^2/NDF: 10936200.5/47

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: -2104.930+/-547.965 χ^2/NDF: 23.4/24

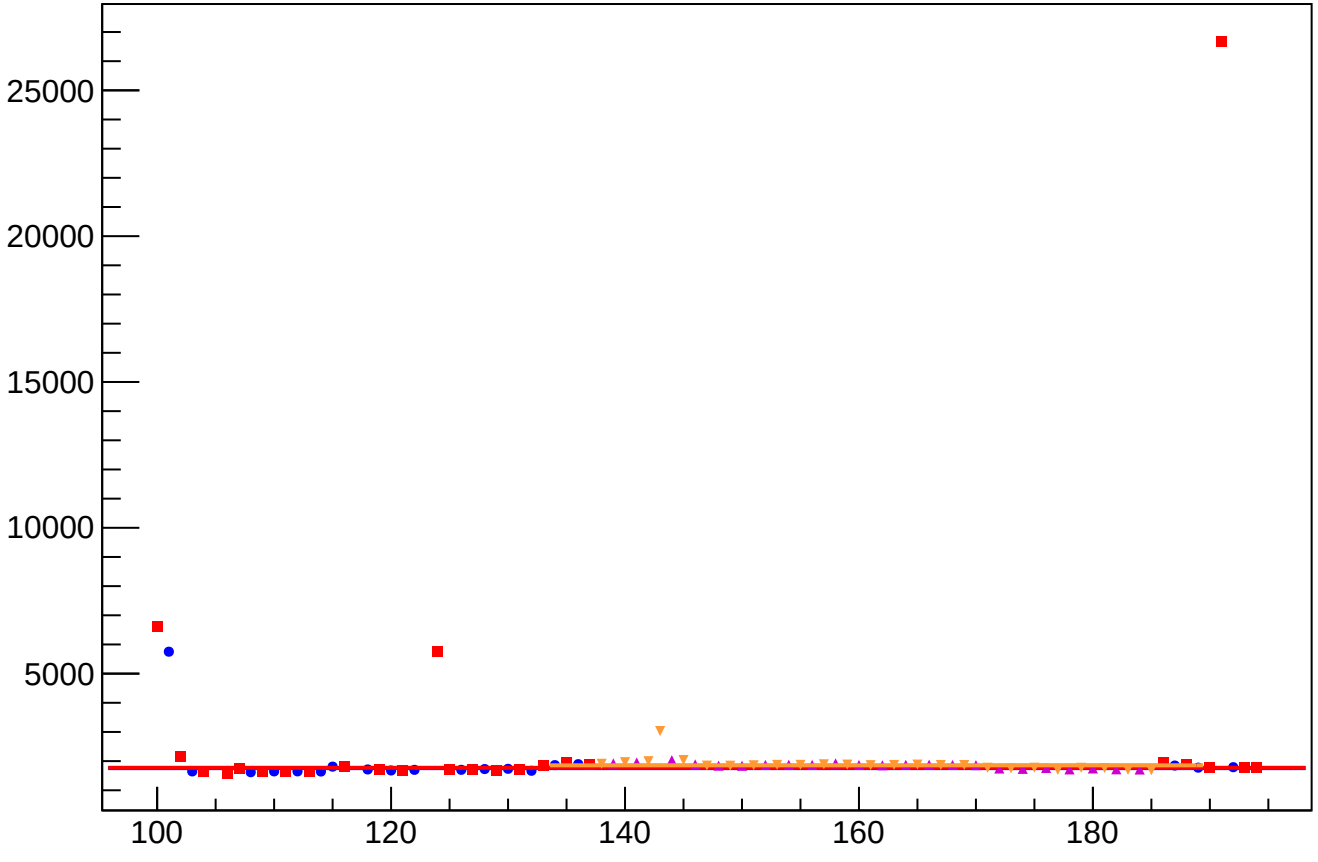
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1775.497+/-346.064 χ^2/NDF: 46.8/43

All: -363.855+/-241.958 χ^2/NDF: 165.6/91

- sign -2409.768+/-338.423 χ^2/NDF: 44.0/47

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: 1770.732+/-0.385 χ^2/NDF: 638480.9/24

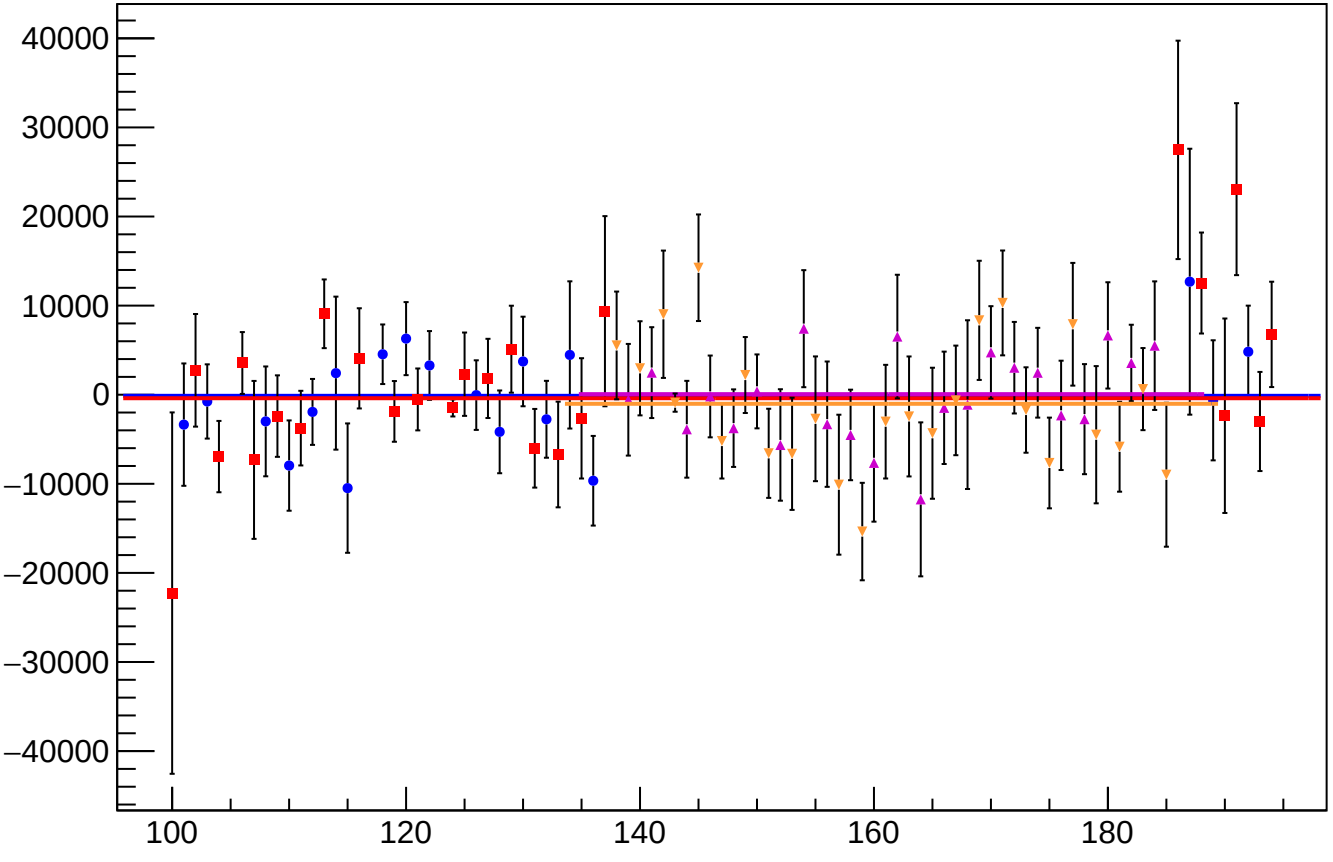
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1823.676+/-0.245 χ^2/NDF: 1031017.2/43

All: 1818.728+/-0.171 χ^2/NDF: 1761745.1/91

- sign 1814.015+/-0.239 χ^2/NDF: 729929.6/47

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: -394.977+/-704.212 χ^2/NDF: 38.6/24

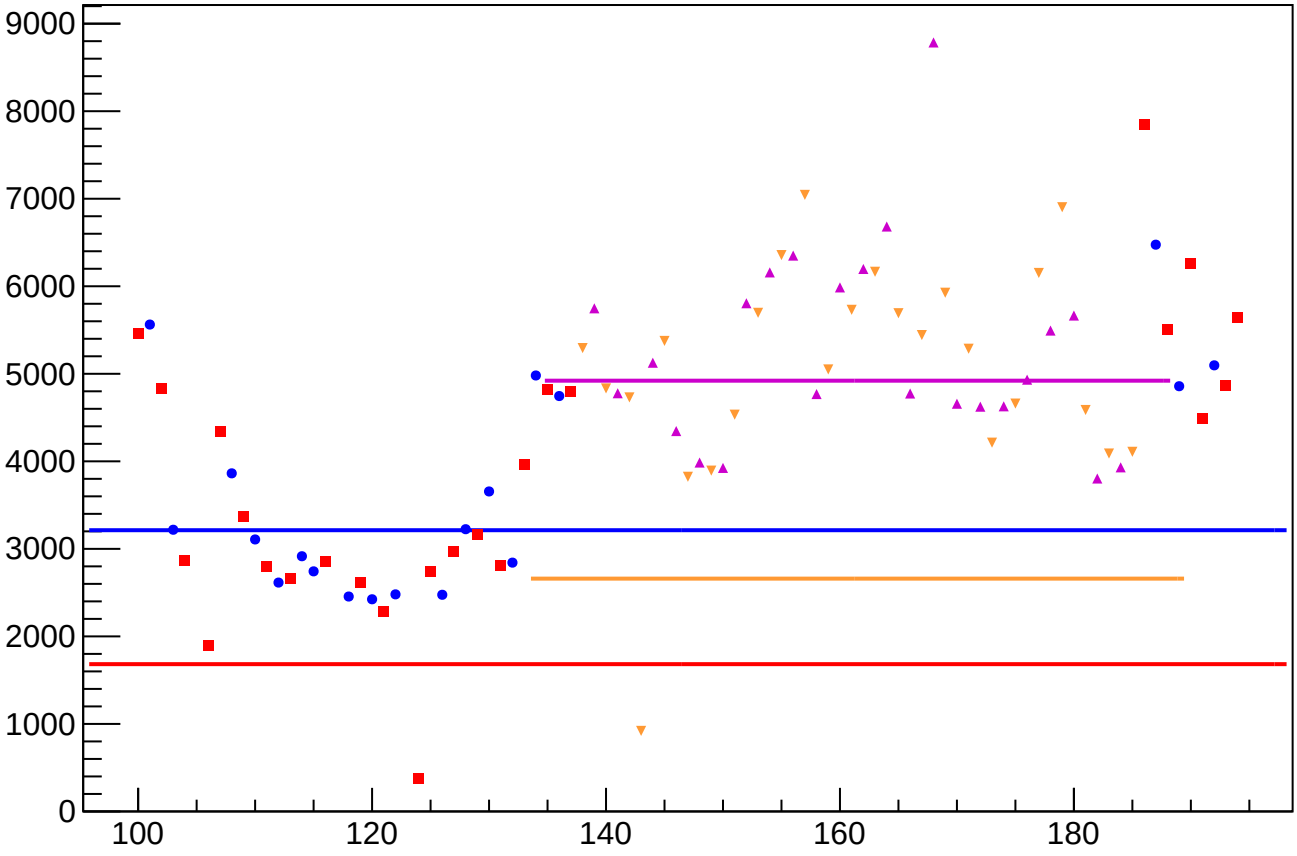
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -733.293+/-636.604 χ^2/NDF: 51.8/43

All: -491.451+/-438.097 χ^2/NDF: 103.8/91

- sign -273.876+/-603.822 χ^2/NDF: 51.7/47

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: 1682.872+/-0.498 χ^2/NDF: 10487336.8/24

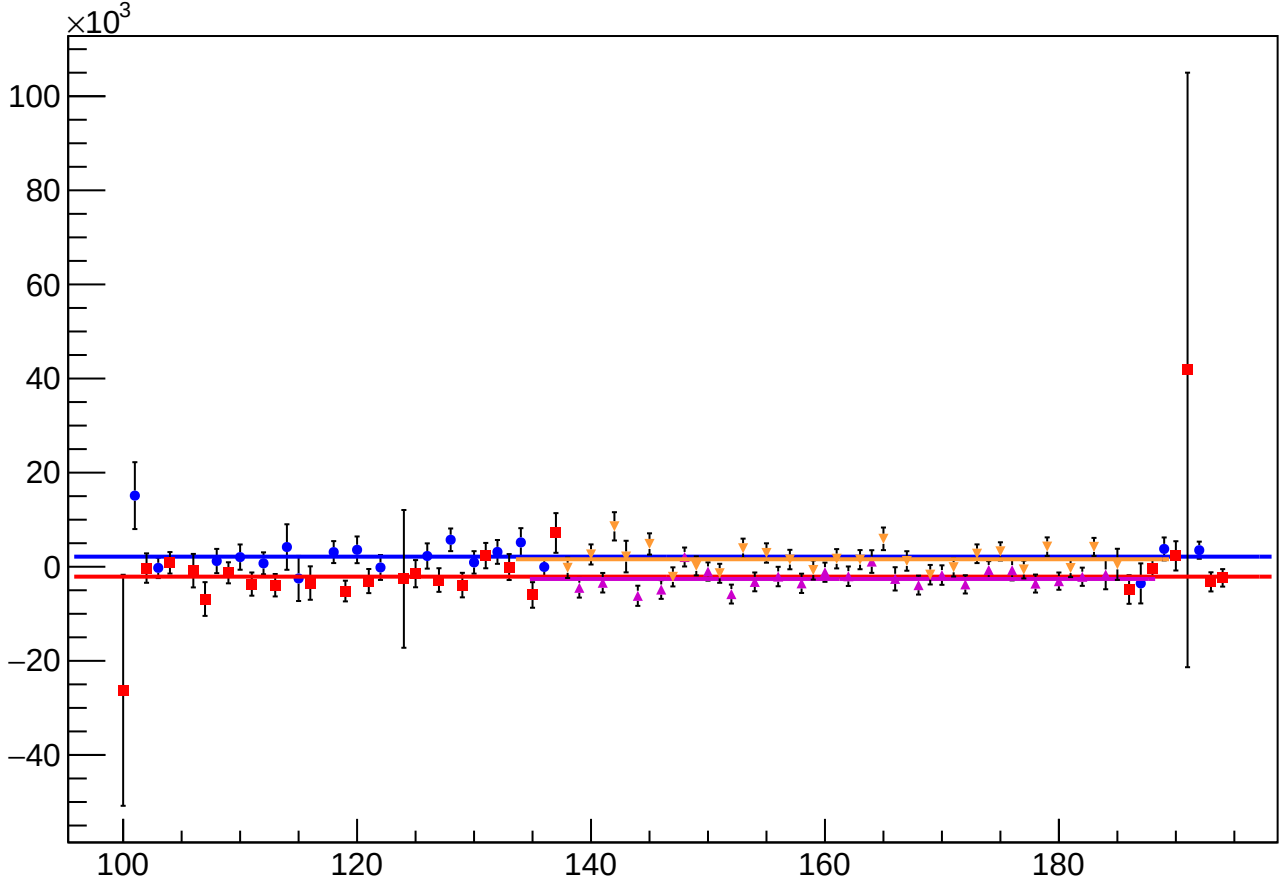
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2836.813+/-0.450 χ^2/NDF: 16291871.0/43

All: 2680.770+/-0.310 χ^2/NDF: 39458148.6/9

- sign 2540.384+/-0.427 χ^2/NDF: 22938003.8/47

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: -2104.959+/-547.965 χ^2/NDF: 23.4/24

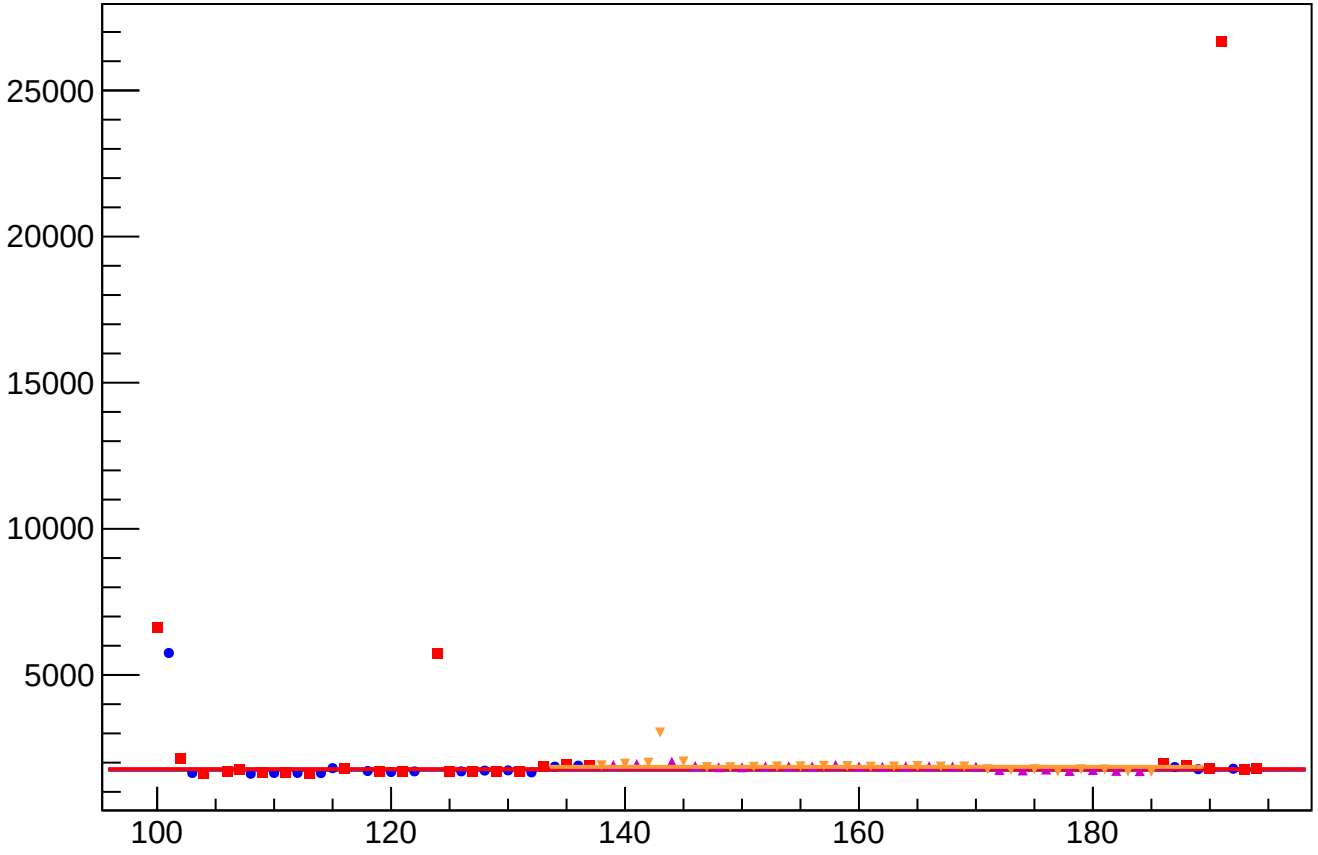
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1775.384+/-346.065 χ^2/NDF: 46.8/43

All: -363.939+/-241.958 χ^2/NDF: 165.6/91

- sign -2409.823+/-338.423 χ^2/NDF: 44.0/47

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: 1775.588+/-0.386 χ^2/NDF: 629897.6/24

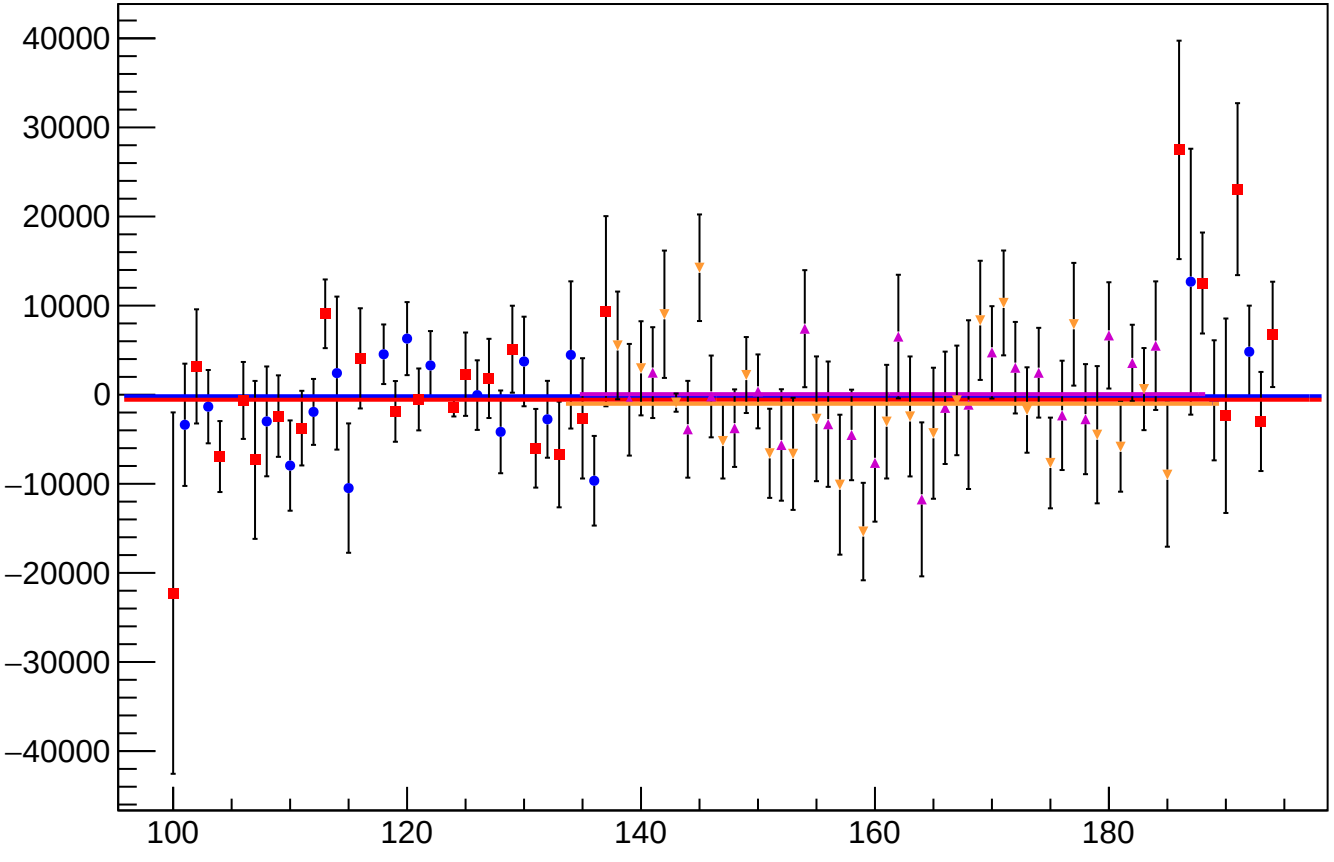
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1823.676+/-0.245 χ^2/NDF: 1031017.6/43

All: 1819.727+/-0.171 χ^2/NDF: 1750086.0/91

- sign 1815.957+/-0.239 χ^2/NDF: 718559.4/47

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: -565.039+/-709.435 χ^2/NDF: 37.3/24

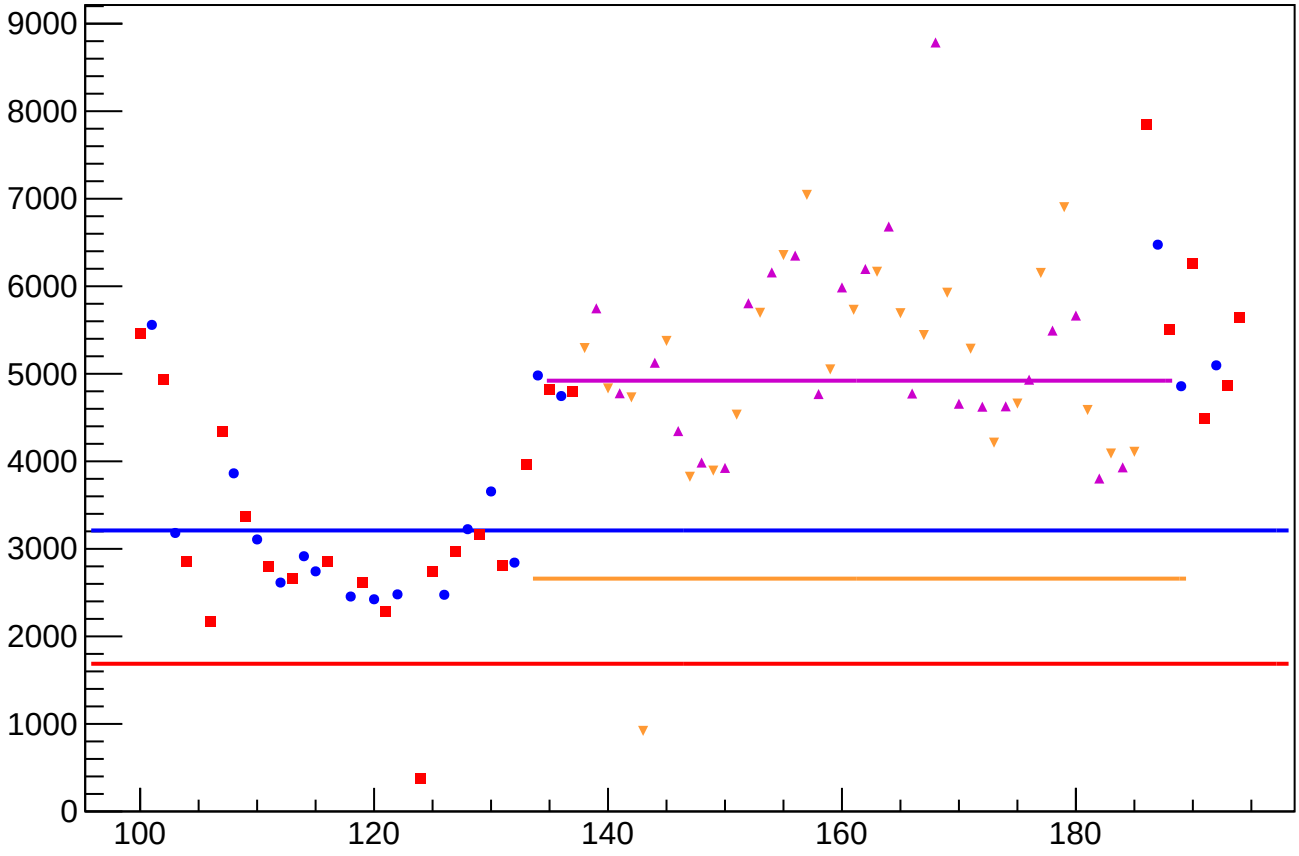
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -747.337+/-636.401 χ^2/NDF: 51.9/43

All: -563.981+/-439.280 χ^2/NDF: 102.6/91

- sign -397.117+/-607.105 χ^2/NDF: 50.5/47

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: 1687.301+/-0.502 χ^2/NDF: 10521096.7/24

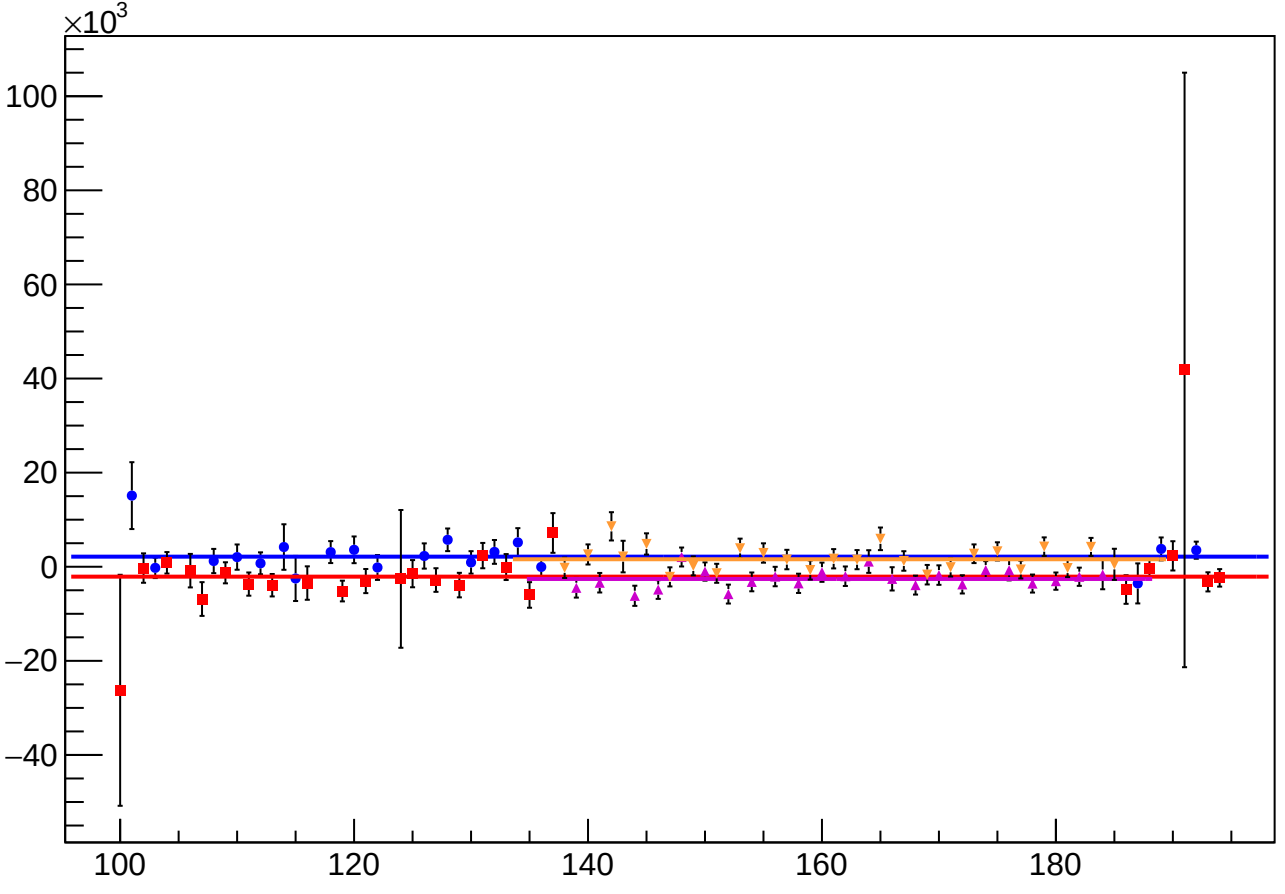
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2836.085+/-0.450 χ^2/NDF: 16289539.5/43

All: 2687.866+/-0.311 χ^2/NDF: 39394037.3/9

- sign 2552.978+/-0.429 χ^2/NDF: 22897280.5/47

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: -2104.959+/-547.965 χ^2/NDF: 23.4/24

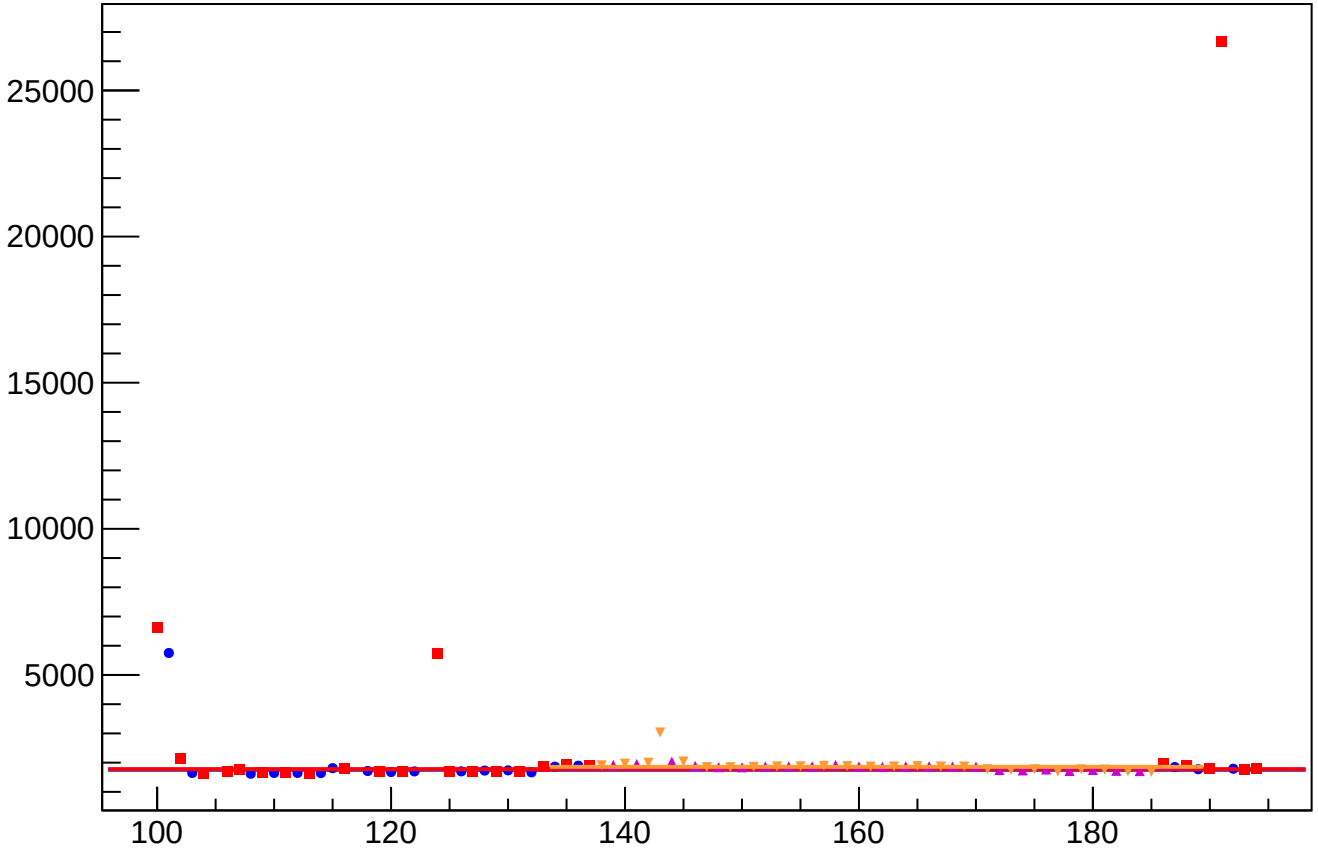
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1775.384+/-346.065 χ^2/NDF: 46.8/43

All: -363.939+/-241.958 χ^2/NDF: 165.6/91

- sign -2409.823+/-338.423 χ^2/NDF: 44.0/47

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

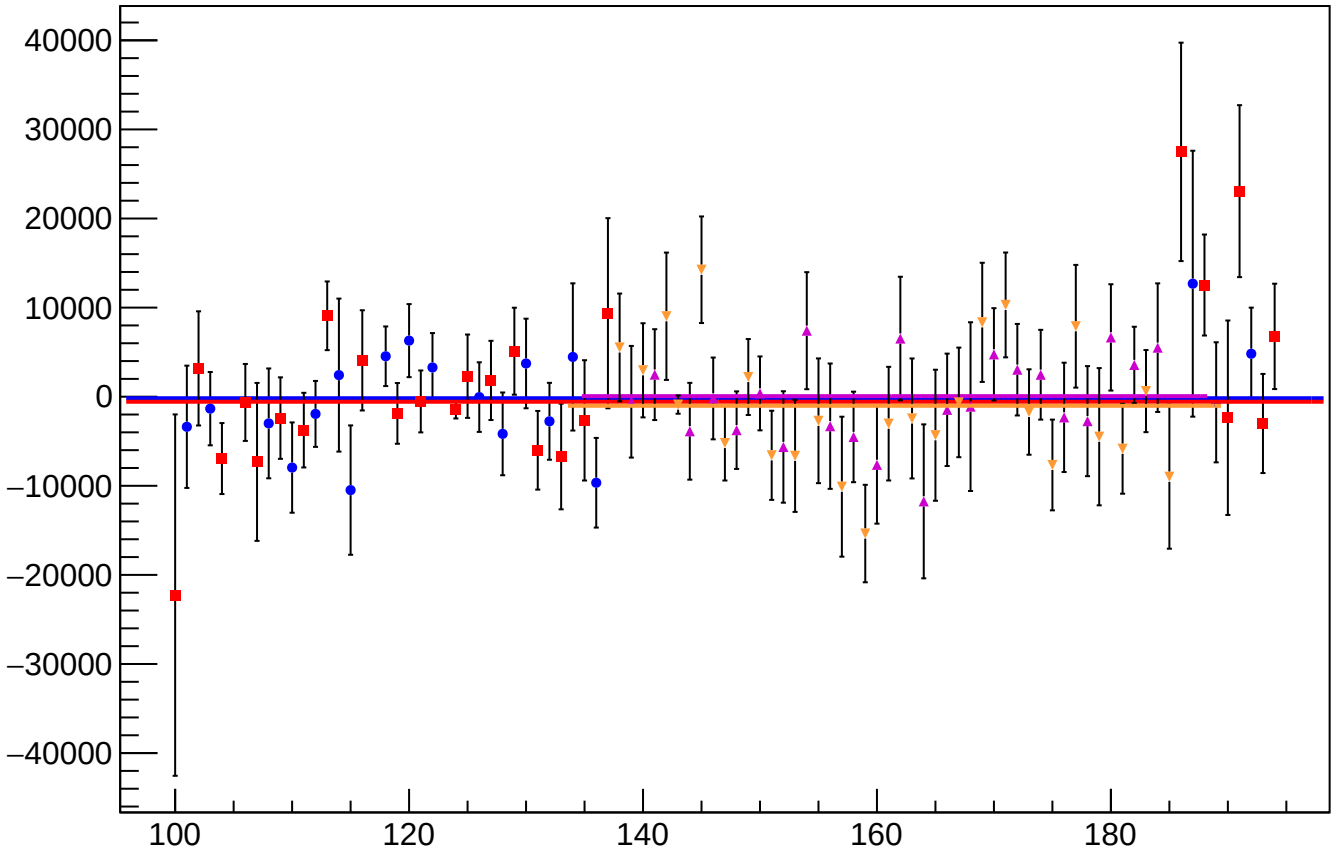
Right Out: 1775.588+/-0.386 χ^2/NDF: 629897.6/24

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1823.676+/-0.245 χ^2/NDF: 1031017.6/43

All: 1819.727+/-0.171 χ^2/NDF: 1750086.0/91

- sign 1815.957+/-0.239 χ^2/NDF: 718559.4/47



Right In: -170.895+/-1124.857 χ^2/NDF: 17.7/18

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -565.039+/-709.435 χ^2/NDF: 37.3/24

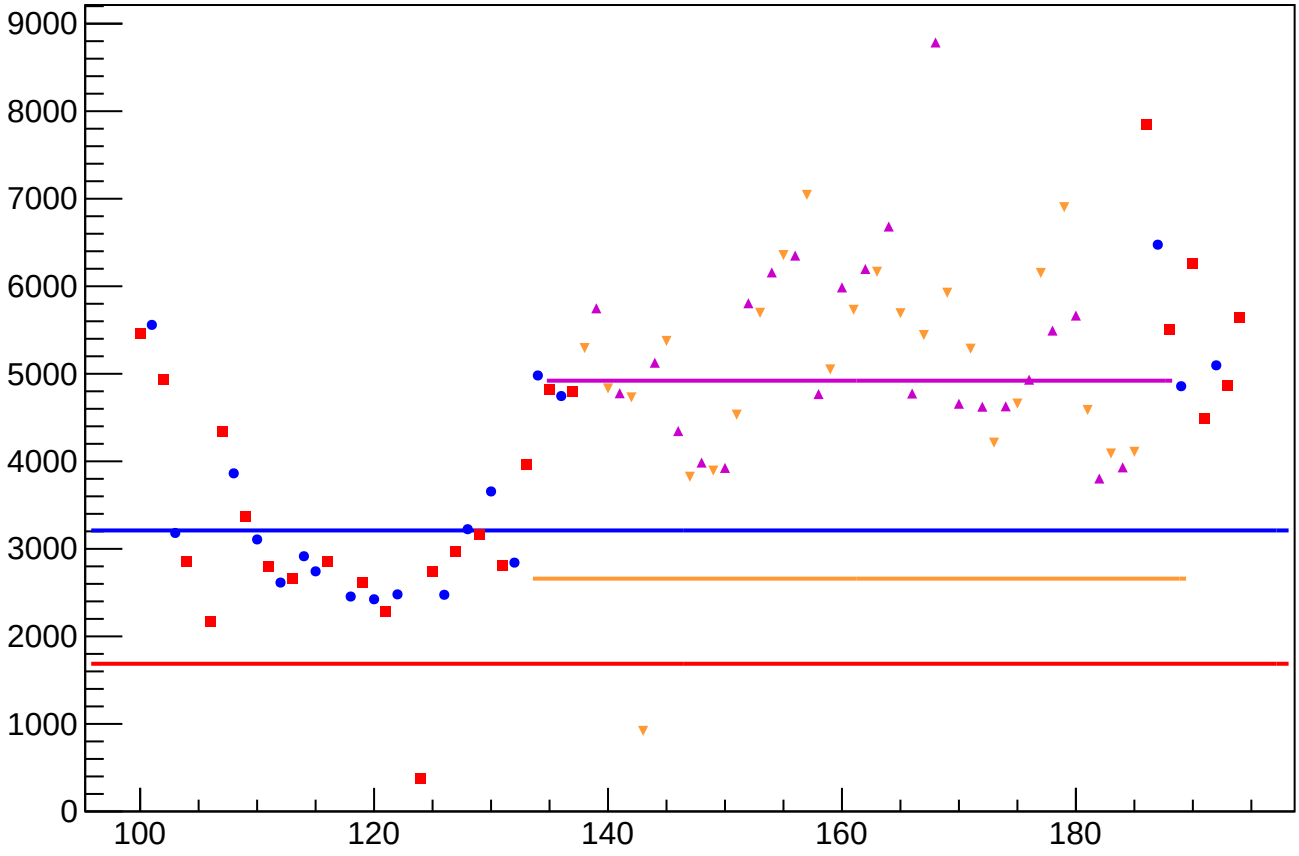
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -747.337+/-636.401 χ^2/NDF: 51.9/43

All: -563.981+/-439.280 χ^2/NDF: 102.6/91

- sign -397.117+/-607.105 χ^2/NDF: 50.5/47

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: 1687.301+/-0.502 χ^2/NDF: 10521096.7/24

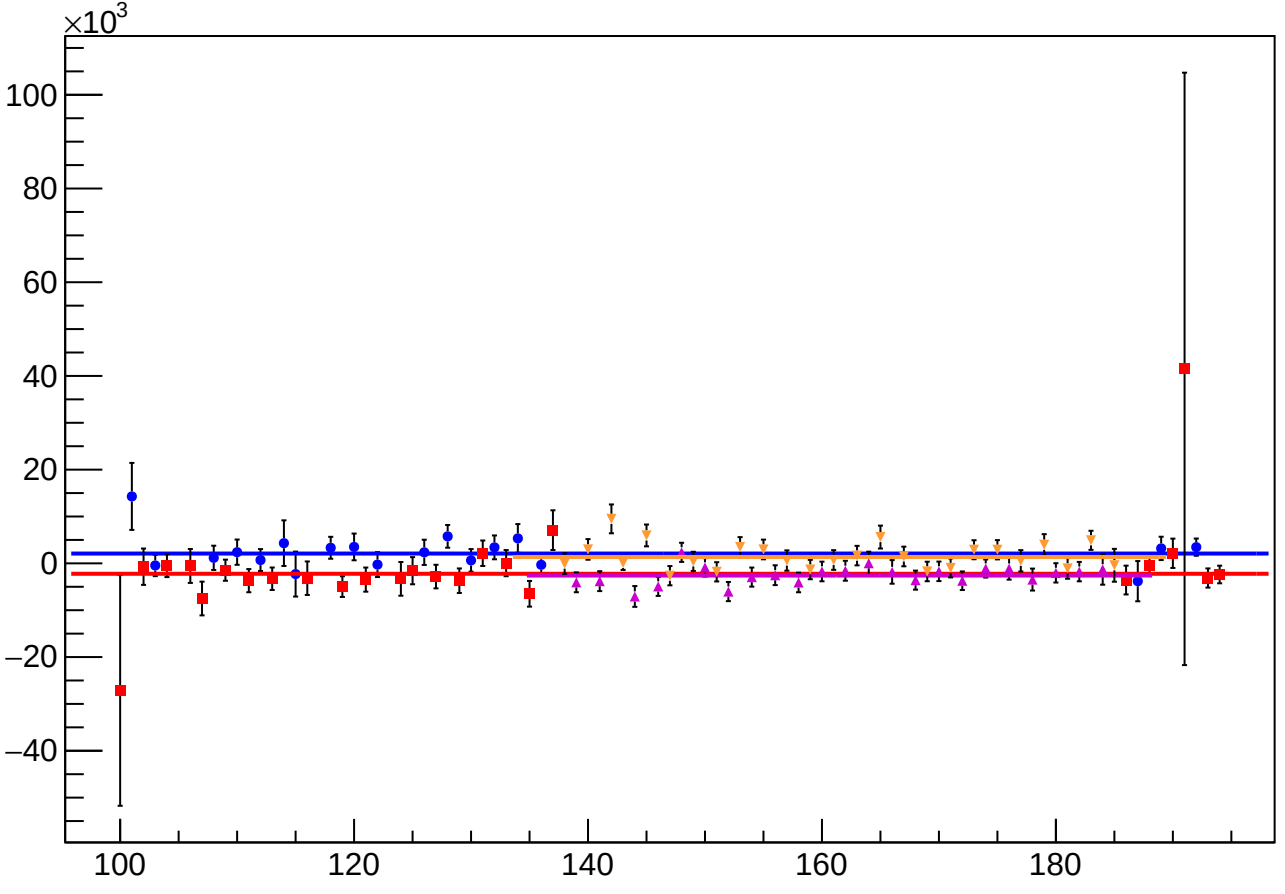
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2836.085+/-0.450 χ^2/NDF: 16289539.5/43

All: 2687.866+/-0.311 χ^2/NDF: 39394037.3/9

- sign 2552.978+/-0.429 χ^2/NDF: 22897280.5/47

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: -2223.860+/-550.046 χ^2/NDF: 21.2/24

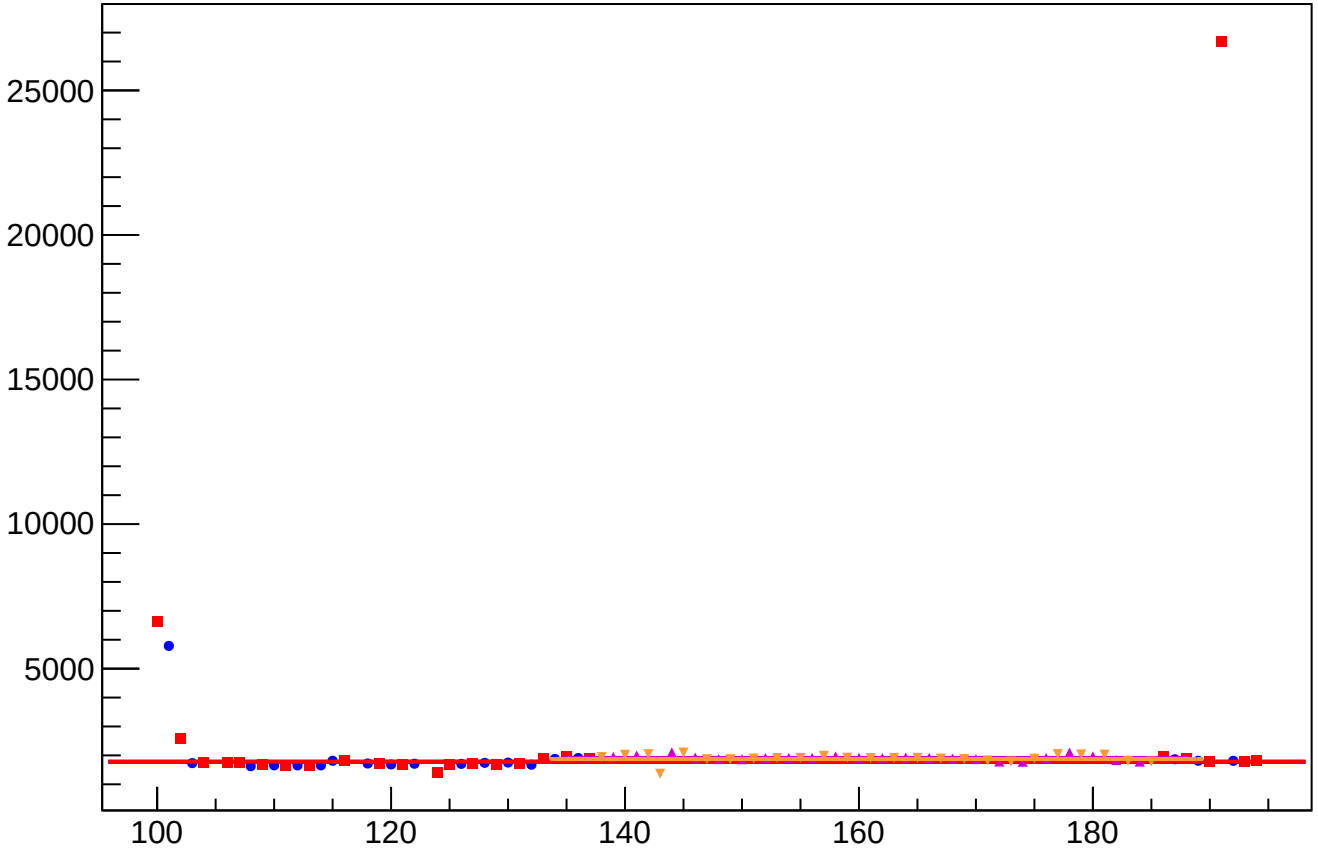
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1605.707+/-349.466 χ^2/NDF: 52.2/43

All: -438.936+/-246.153 χ^2/NDF: 161.6/91

- sign -2452.206+/-346.775 χ^2/NDF: 41.5/47

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

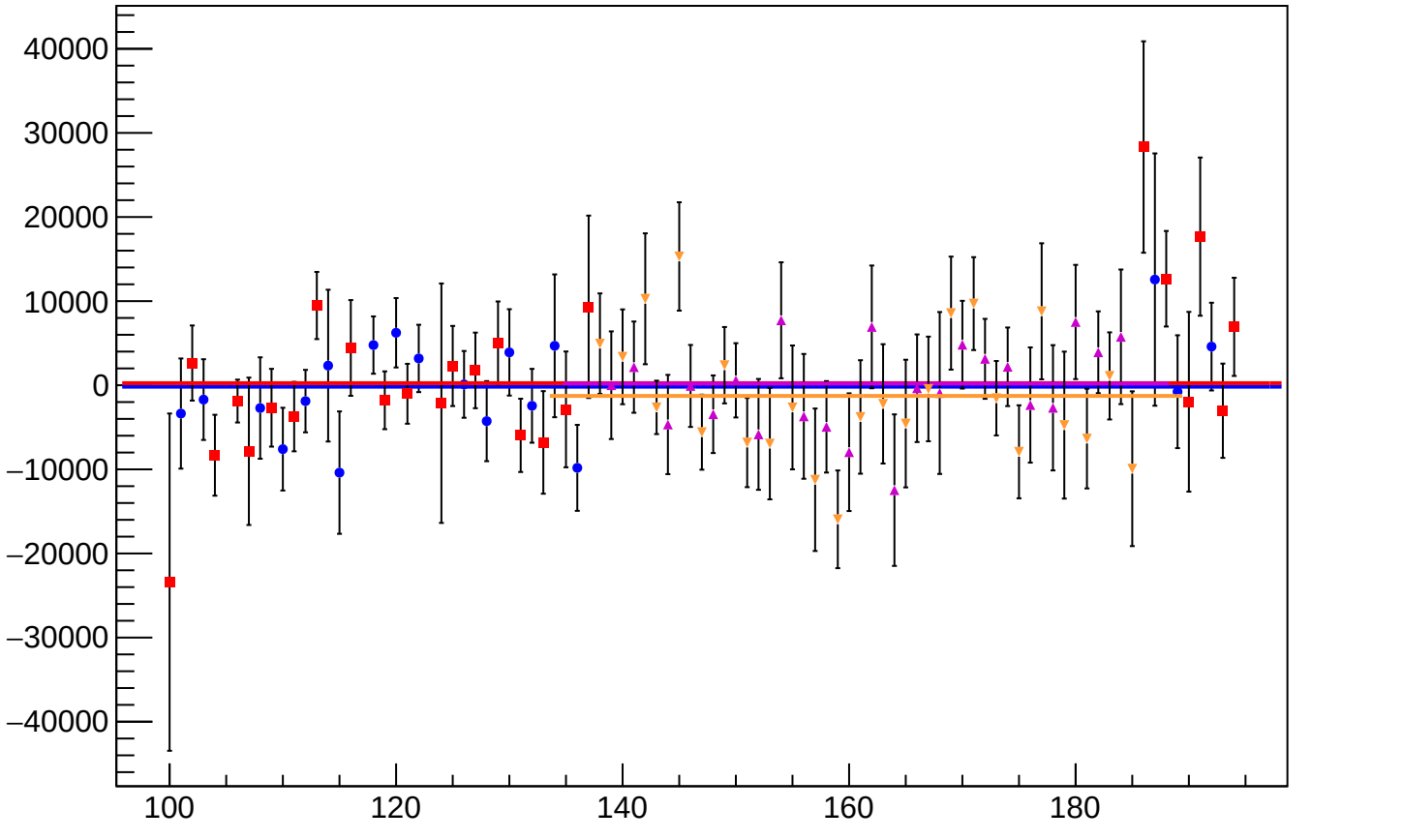
Right Out: 1783.592+/-0.388 χ^2/NDF: 552470.3/24

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1841.590+/-0.247 χ^2/NDF: 1012395.4/43

All: 1851.126+/-0.174 χ^2/NDF: 1692191.2/91

- sign 1860.501+/-0.245 χ^2/NDF: 676842.8/47



Right In: -173.968+/-1147.389 χ^2/NDF: 17.4/18

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 248.548+/-1003.559 χ^2/NDF: 34.5/24

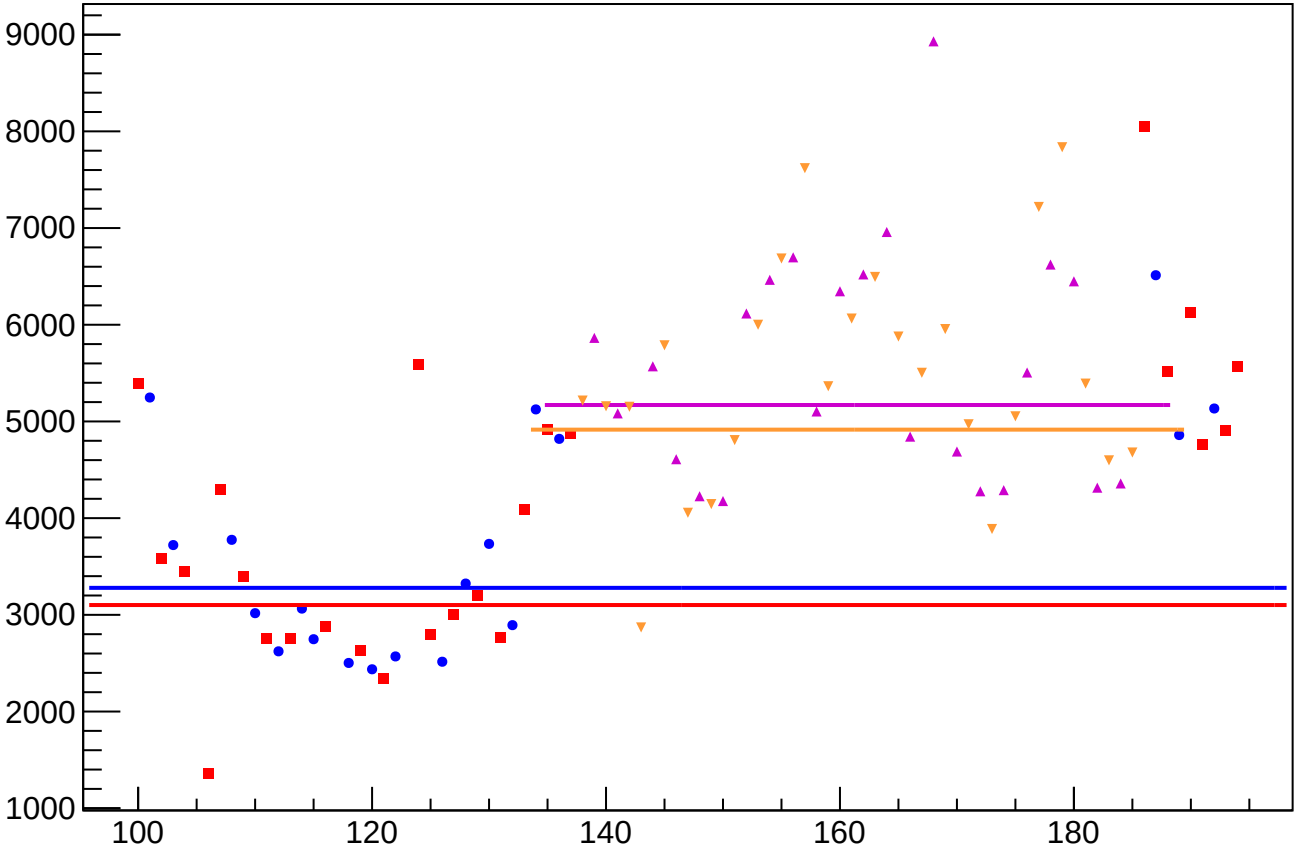
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -717.705+/-814.400 χ^2/NDF: 51.3/43

All: -223.682+/-562.830 χ^2/NDF: 99.2/91

- sign 228.005+/-778.723 χ^2/NDF: 47.3/47

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: 3101.400+/-0.710 χ^2/NDF: 2988104.6/24

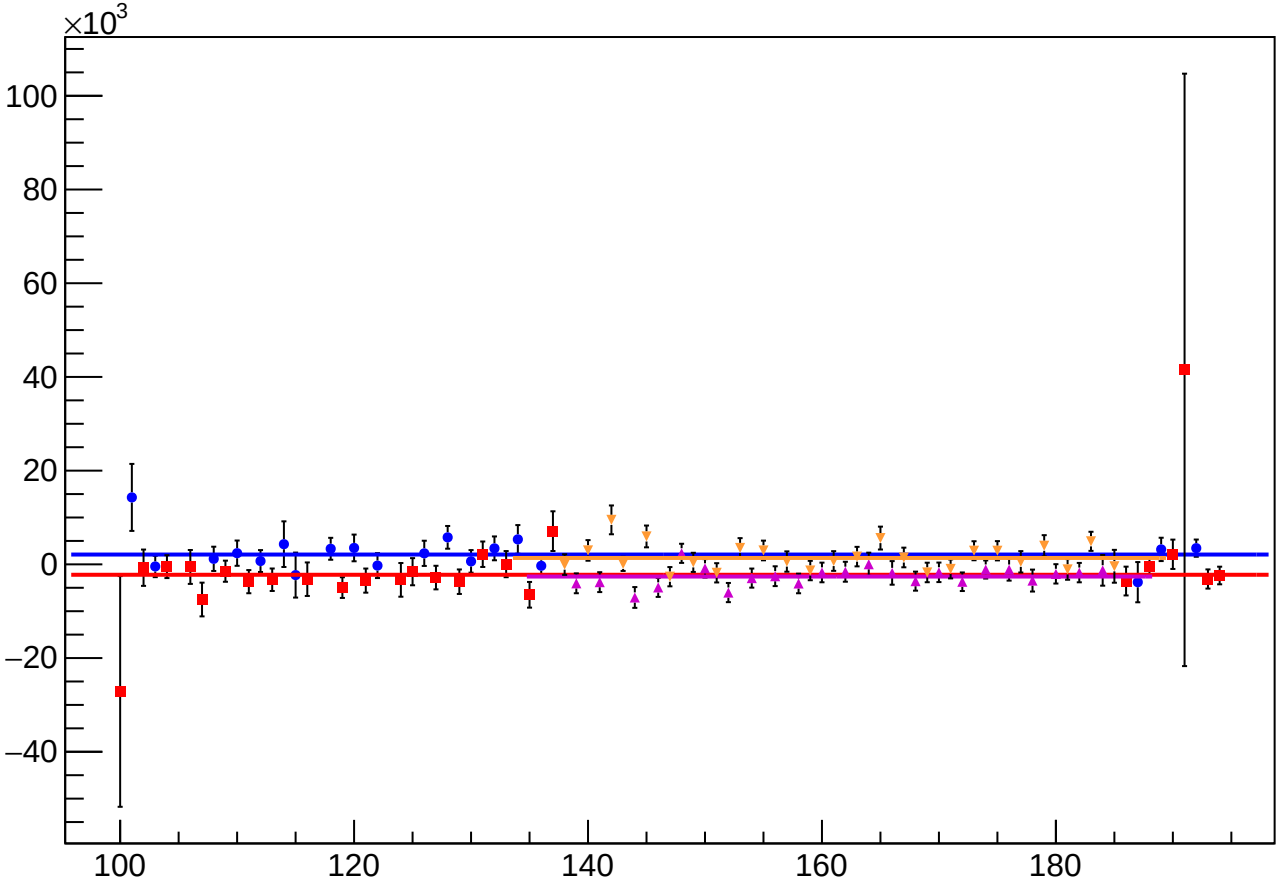
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4090.972+/-0.576 χ^2/NDF: 5563926.0/43

All: 4003.997+/-0.398 χ^2/NDF: 13325569.6/9

- sign 3924.474+/-0.551 χ^2/NDF: 7717975.8/47

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: -2223.859+/-550.046 χ^2/NDF: 21.2/24

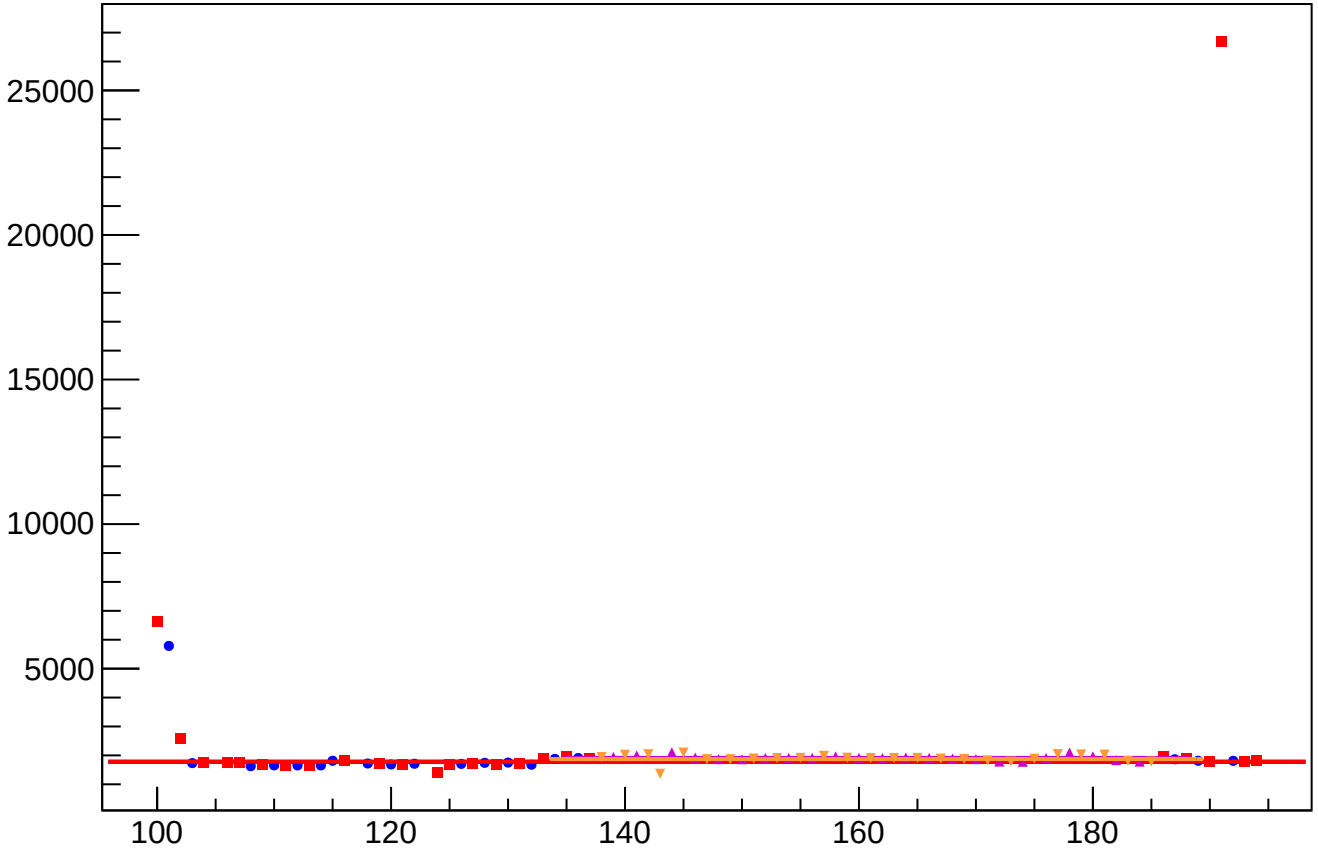
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1605.705+/-349.467 χ^2/NDF: 52.2/43

All: -438.936+/-246.153 χ^2/NDF: 161.6/91

- sign -2452.205+/-346.775 χ^2/NDF: 41.5/47

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

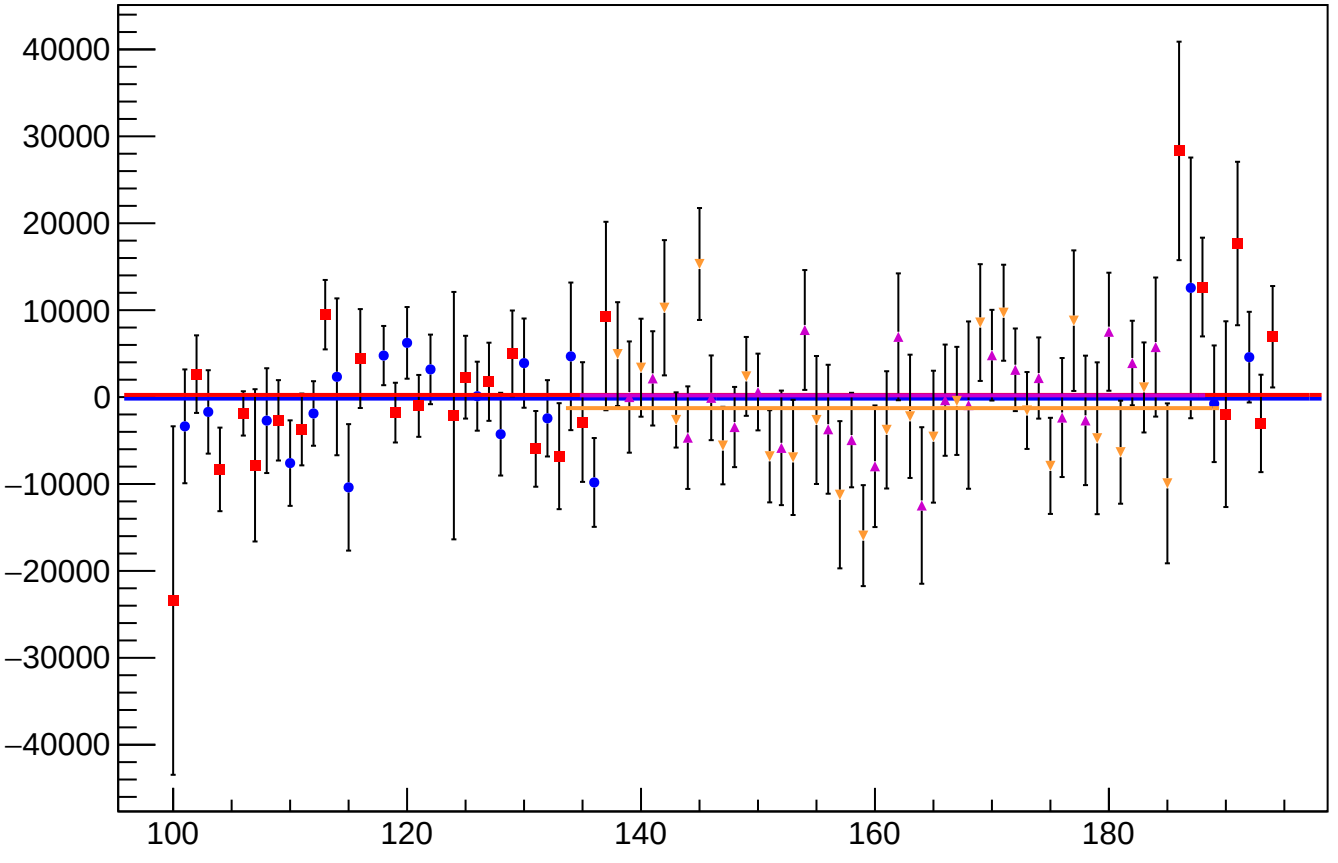
Right Out: 1783.592+/-0.388 χ^2/NDF: 552470.2/24

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1841.591+/-0.247 χ^2/NDF: 1012399.6/43

All: 1851.126+/-0.174 χ^2/NDF: 1692198.8/91

- sign 1860.502+/-0.245 χ^2/NDF: 676846.2/47



Right In: -173.965+/-1147.386 χ^2/NDF: 17.4/18

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 248.540+/-1003.556 χ^2/NDF: 34.5/24

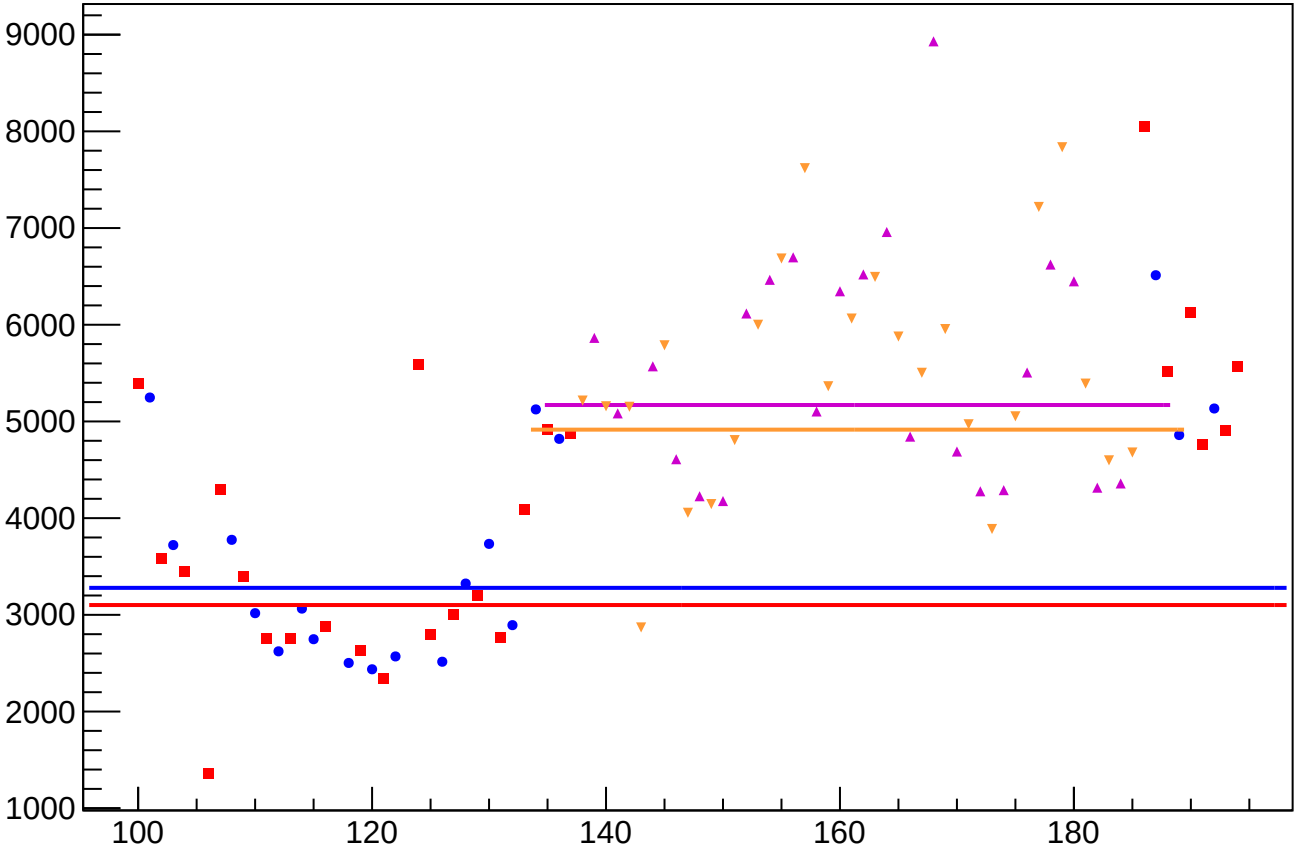
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

\+ sign -717.704+/-814.399 χ^2/NDF: 51.3/43

All: -223.683+/-562.830 χ^2/NDF: 99.2/91

\- sign 228.000+/-778.722 χ^2/NDF: 47.3/47

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3279.108+/-0.811 χ^2/NDF: 1379803.4/18

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3101.386+/-0.710 χ^2/NDF: 2988144.5/24

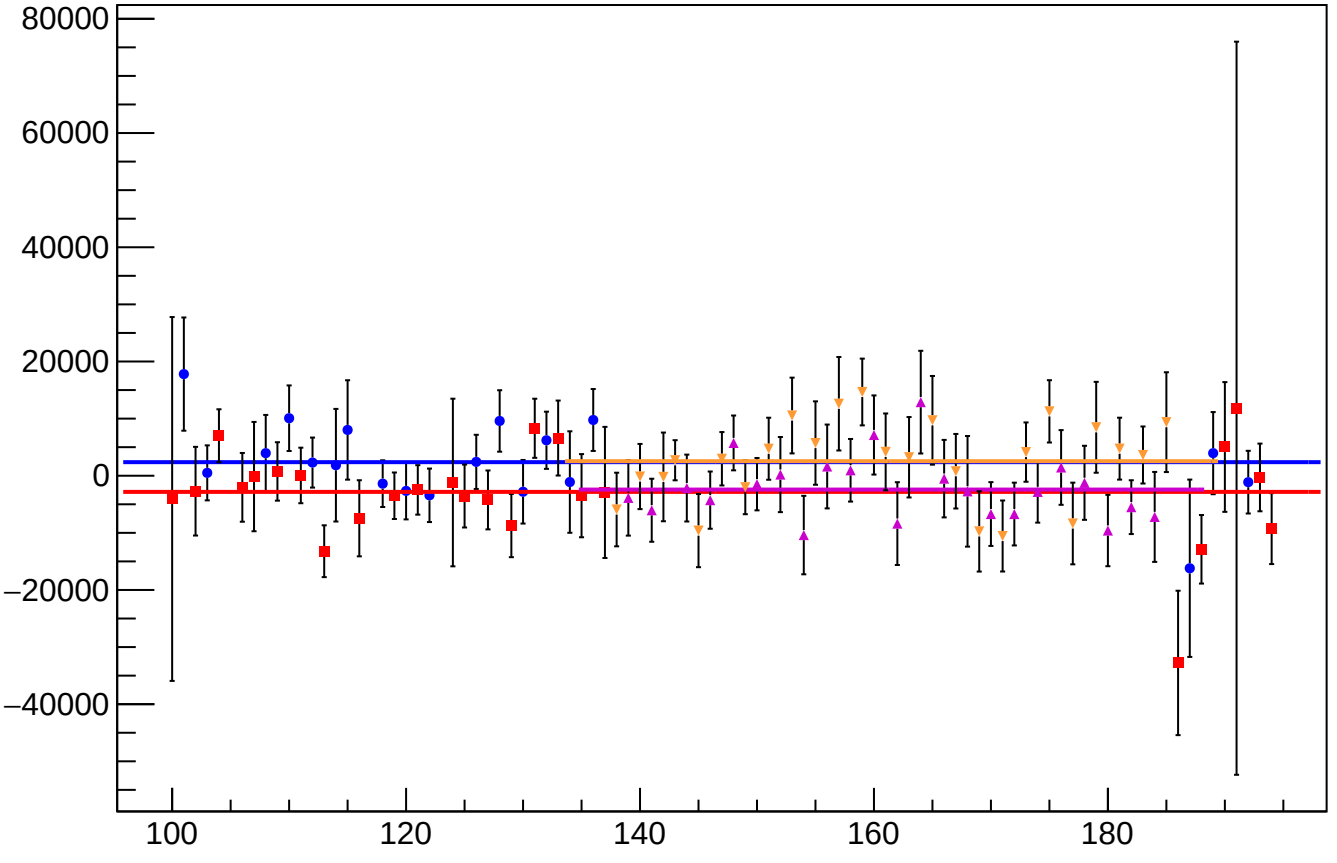
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4090.966+/-0.576 χ^2/NDF: 5563997.4/43

All: 4003.989+/-0.398 χ^2/NDF: 13325755.8/9

- sign 3924.465+/-0.551 χ^2/NDF: 7718088.6/47

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: -2828.287+/-1231.633 χ^2/NDF: 29.3/24

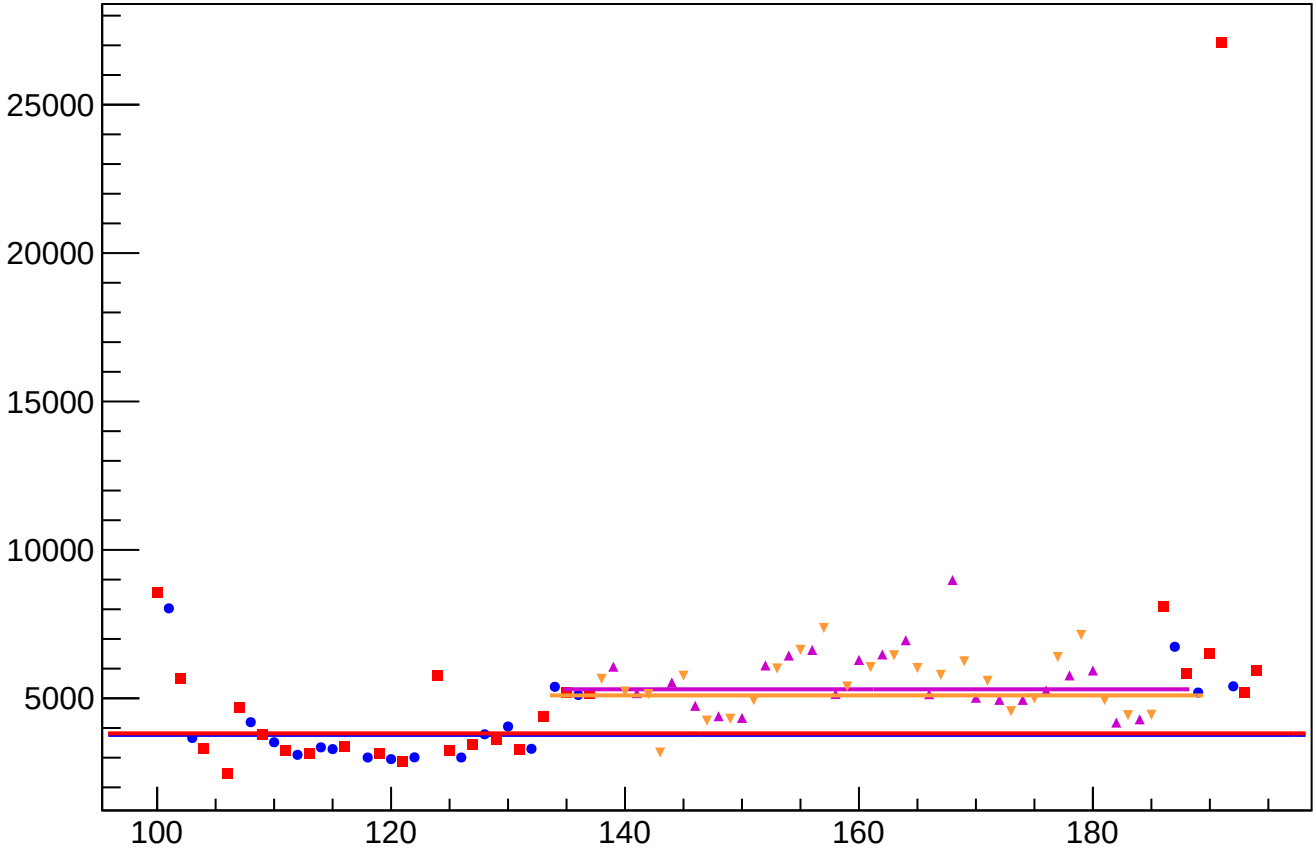
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2469.744+/-880.178 χ^2/NDF: 44.5/43

All: -78.908+/-622.542 χ^2/NDF: 105.7/91

- sign -2630.209+/-880.636 χ^2/NDF: 44.4/47

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

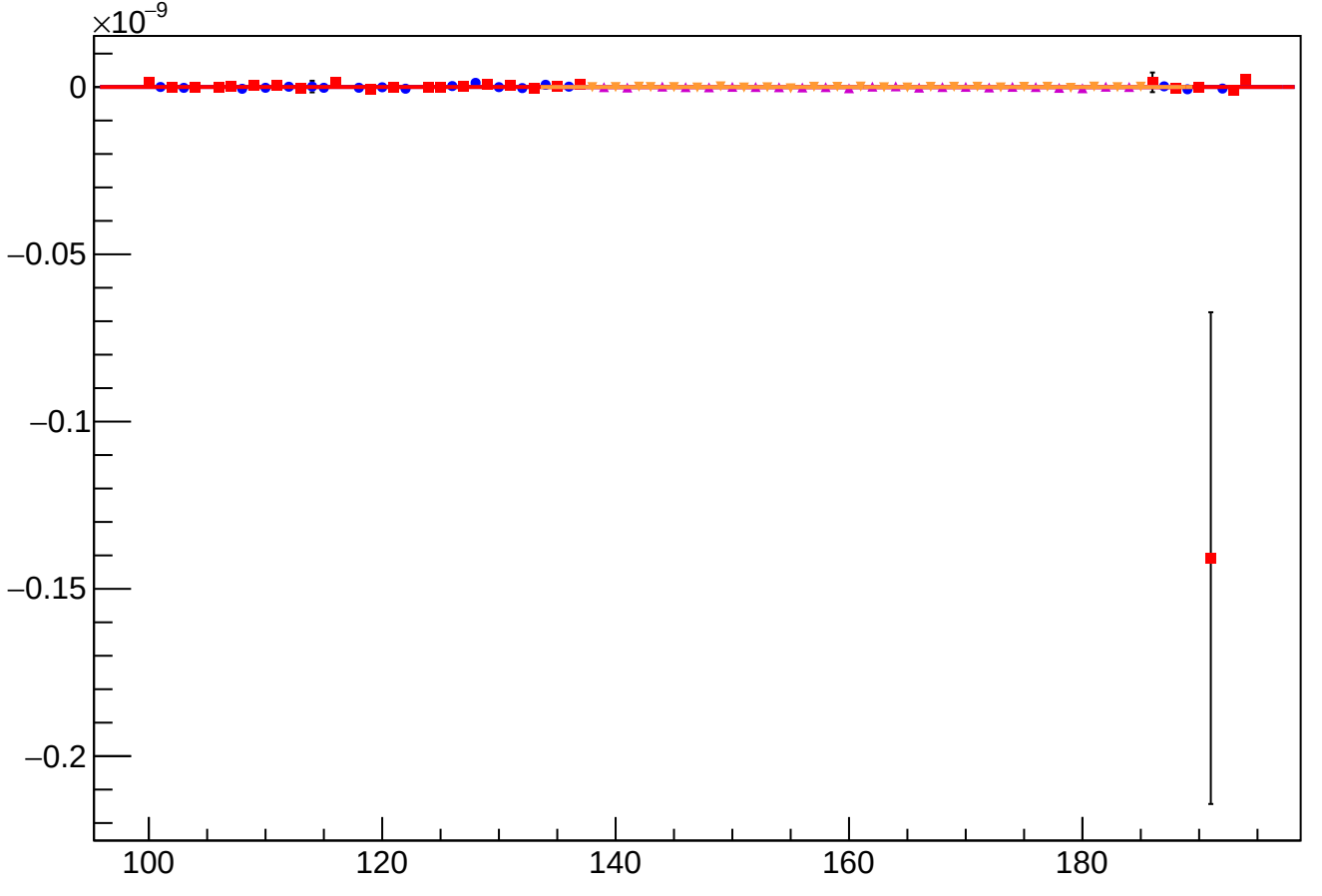
Right Out: 3818.974+/-0.860 χ^2/NDF: 1982816.7/24

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4498.421+/-0.622 χ^2/NDF: 3883959.3/43

All: 4516.902+/-0.439 χ^2/NDF: 8326122.8/91

- sign 4535.154+/-0.619 χ^2/NDF: 4440411.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

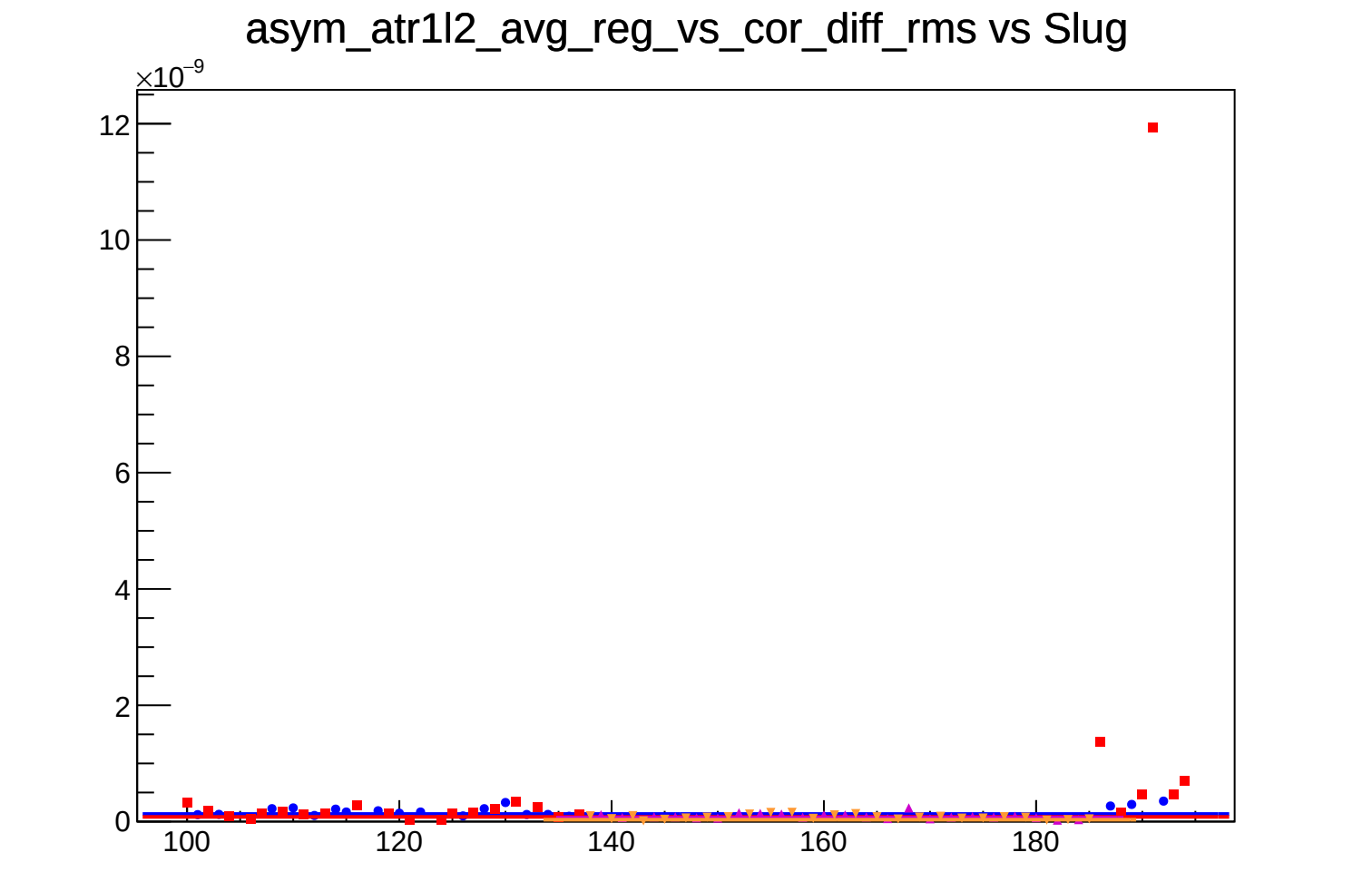
Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/24

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.4/43

All: 0.000+/-0.000 χ^2/NDF: 93.3/91

- sign 0.000+/-0.000 χ^2/NDF: 57.9/47



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: 4346667.9/24

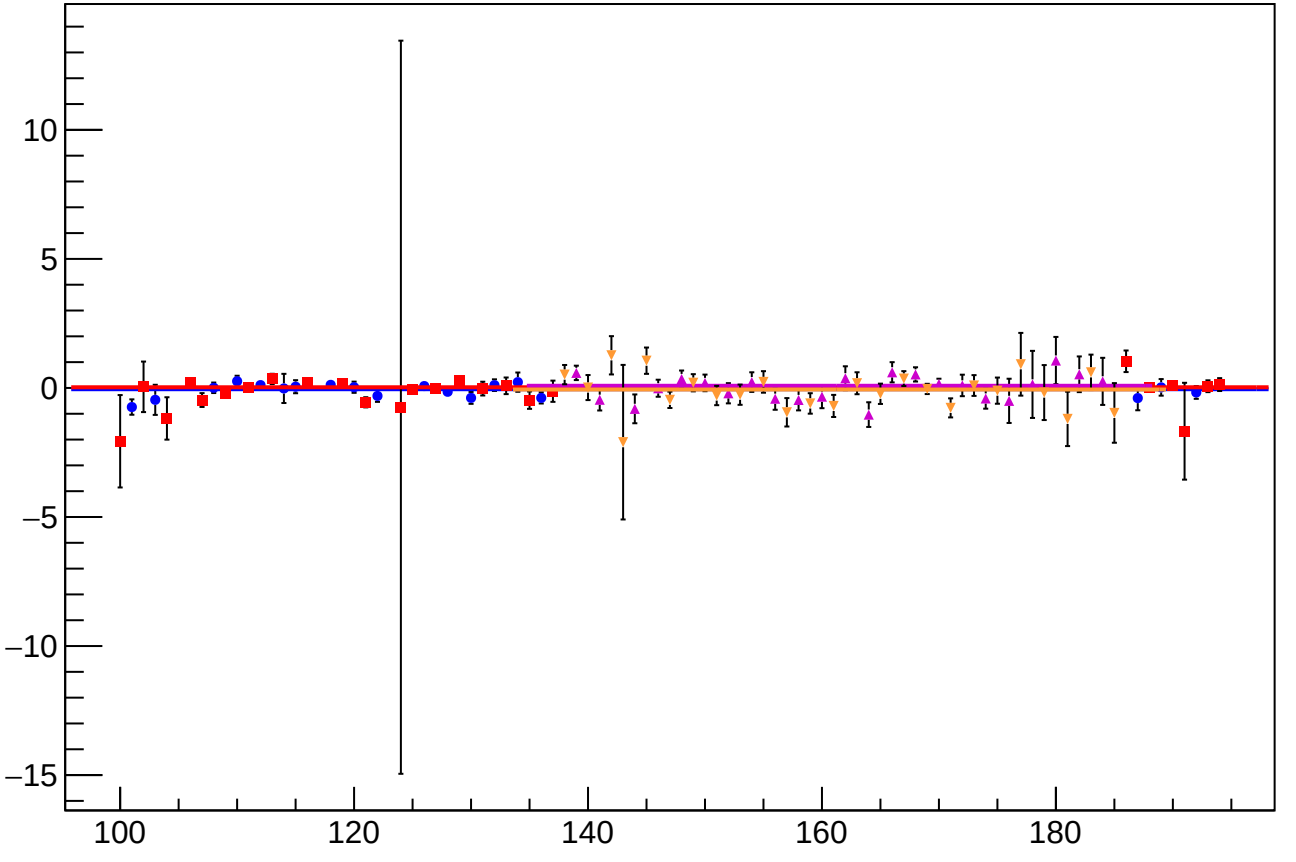
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10855682.0/43

All: 0.000+/-0.000 χ^2/NDF: 20090477.8/91

- sign 0.000+/-0.000 χ^2/NDF: 6891593.8/47

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: 0.026+/-0.044 χ^2/NDF: 35.9/24

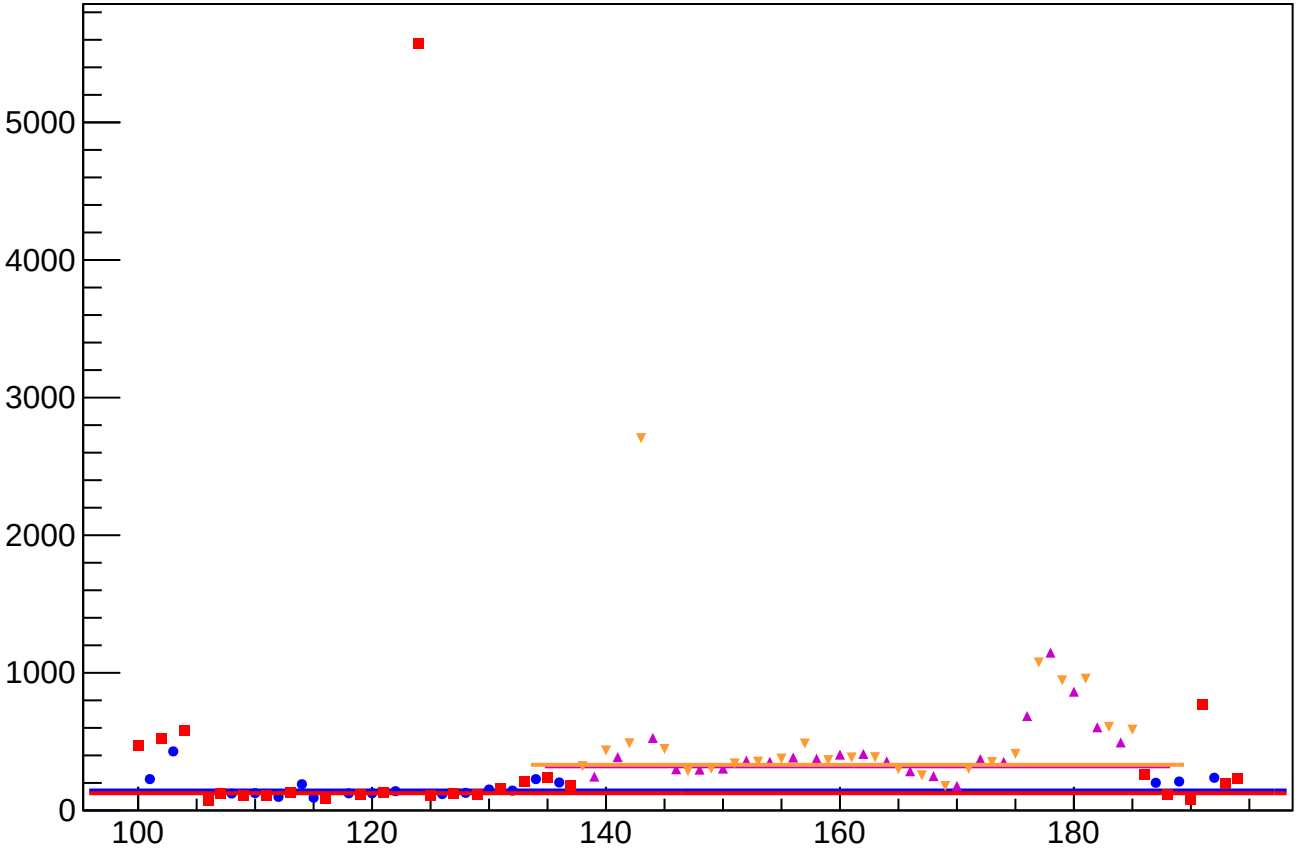
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.052+/-0.045 χ^2/NDF: 49.6/43

All: 0.001+/-0.029 χ^2/NDF: 115.3/91

- sign 0.039+/-0.039 χ^2/NDF: 63.3/47

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: 125.362+/-0.031 χ^2/NDF: 3360924.2/24

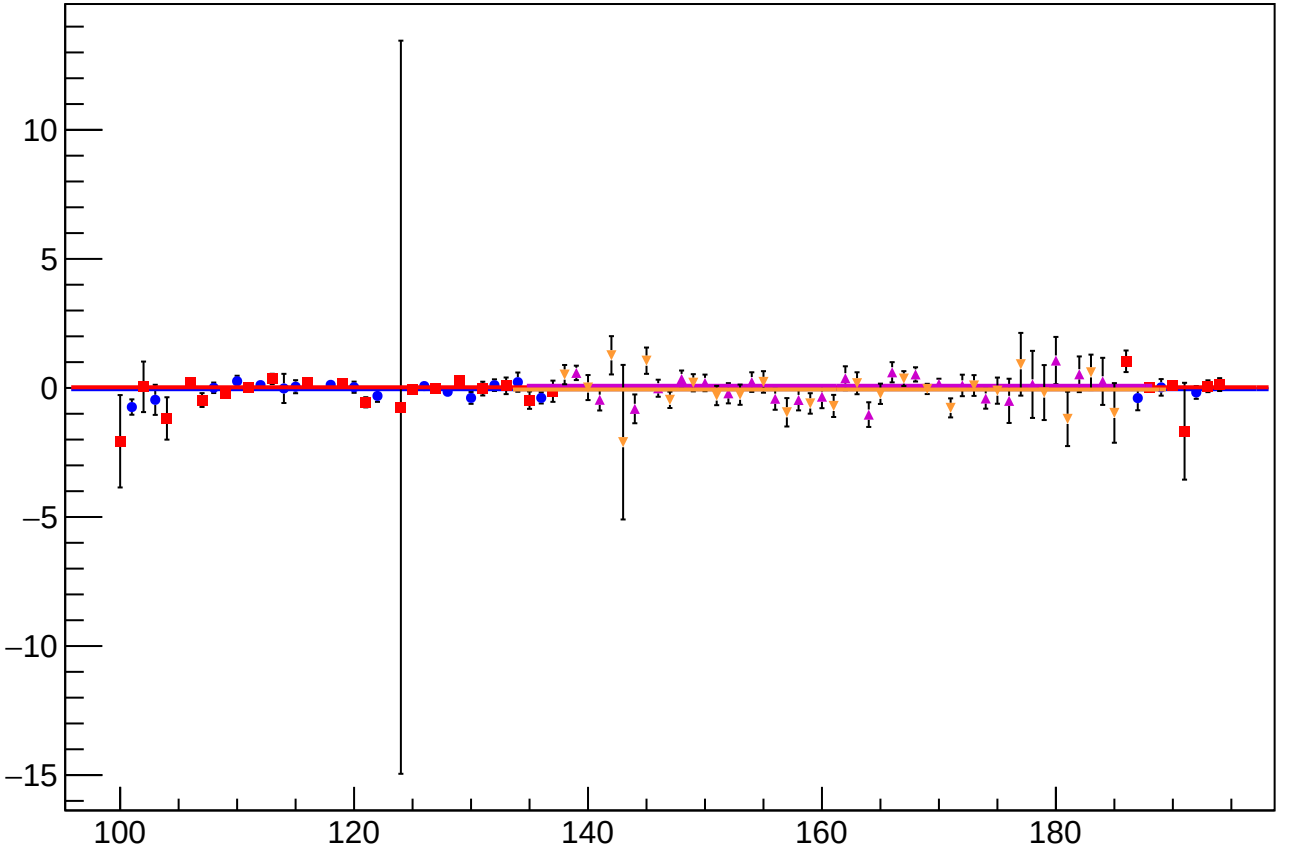
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 198.840+/-0.032 χ^2/NDF: 14617883.8/43

All: 181.817+/-0.021 χ^2/NDF: 31707934.4/91

- sign 169.347+/-0.027 χ^2/NDF: 16593828.1/47

asym_atr1l2_avg_dit_vs_eigen_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: 0.026+/-0.044 χ^2/NDF: 35.9/24

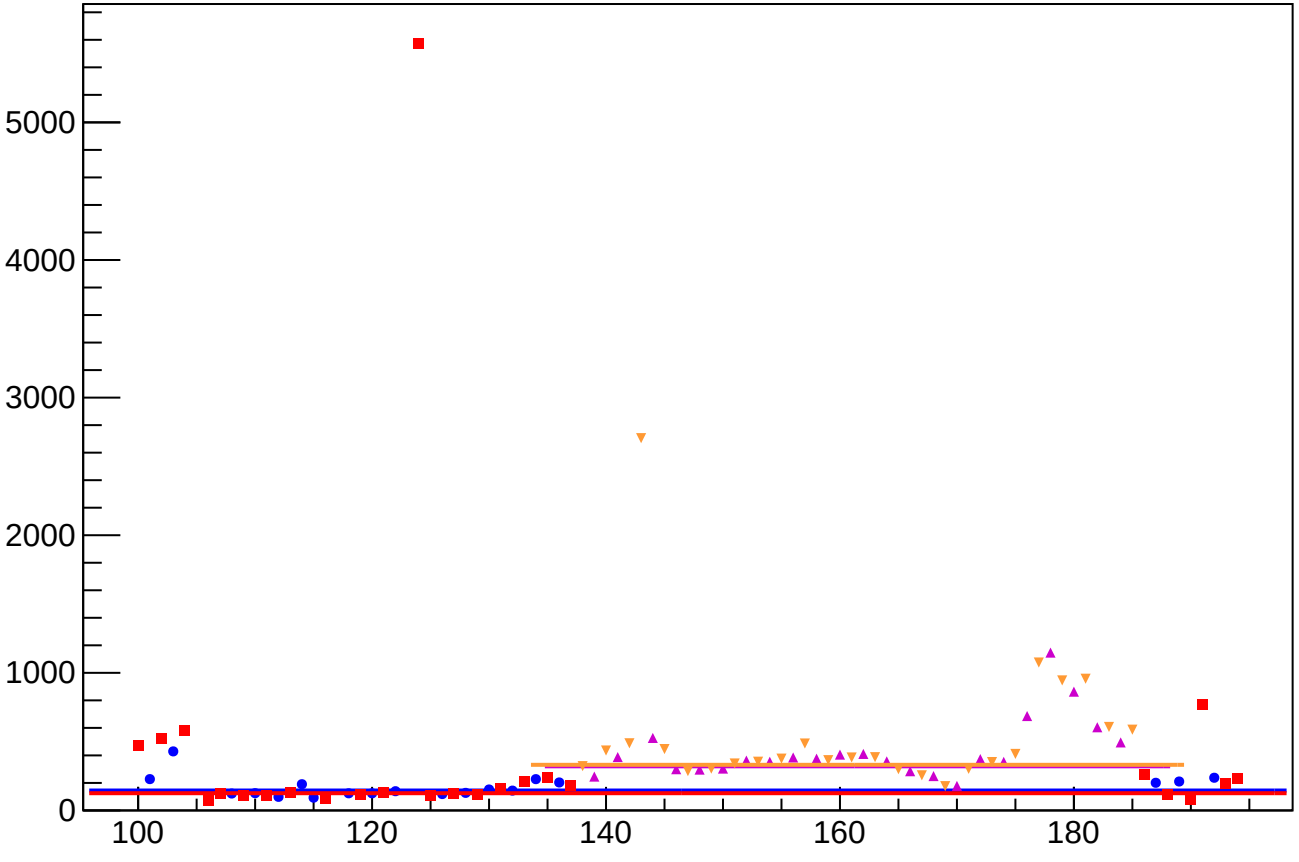
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.052+/-0.045 χ^2/NDF: 49.6/43

All: 0.001+/-0.029 χ^2/NDF: 115.3/91

- sign 0.039+/-0.039 χ^2/NDF: 63.3/47

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 144.886+/-0.038 χ^2/NDF: 1697243.8/18

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

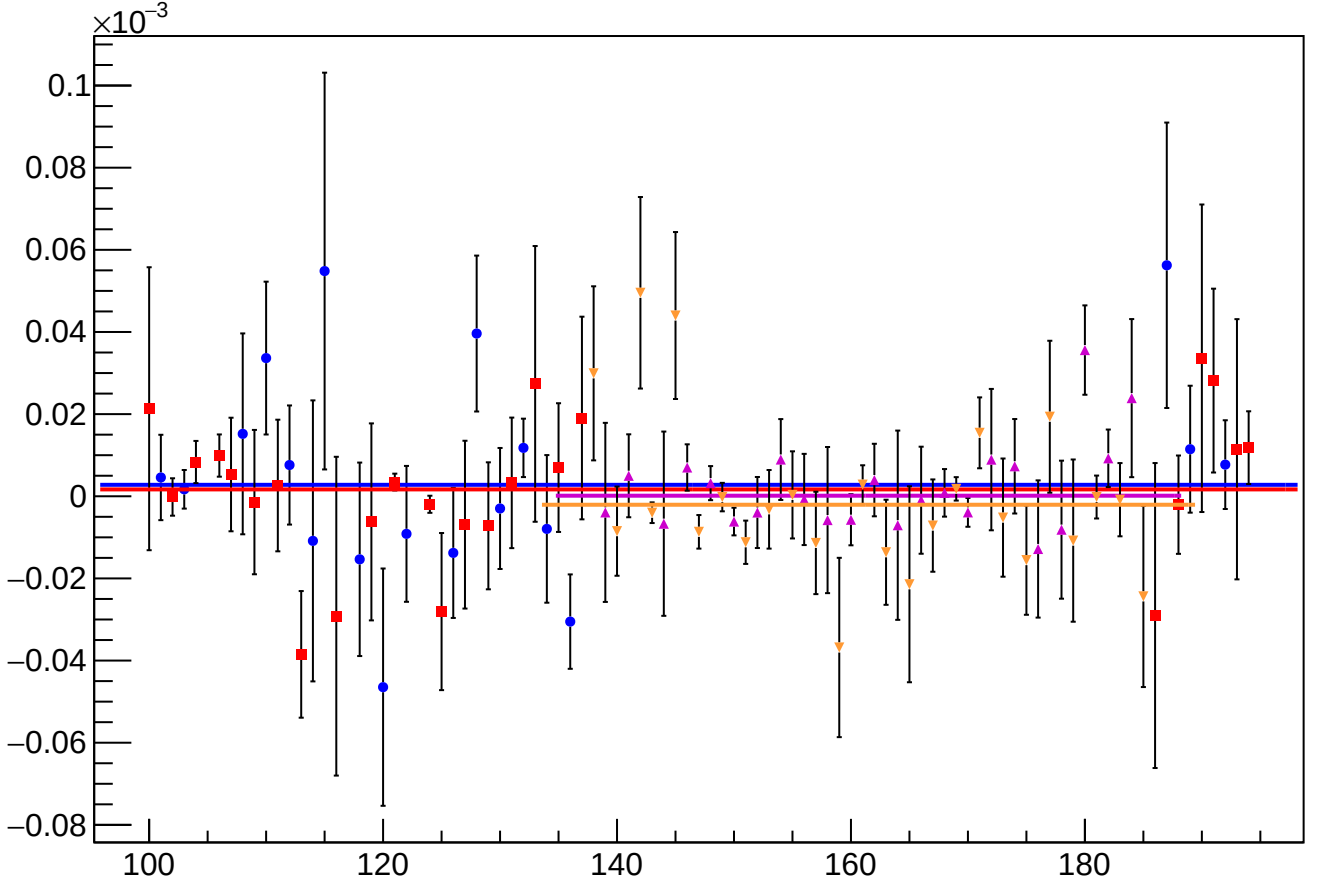
Right Out: 125.362+/-0.031 χ^2/NDF: 3360924.2/24

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 198.840+/-0.032 χ^2/NDF: 14617883.8/43

All: 181.817+/-0.021 χ^2/NDF: 31707934.4/91

- sign 169.347+/-0.027 χ^2/NDF: 16593828.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/18

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

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/24

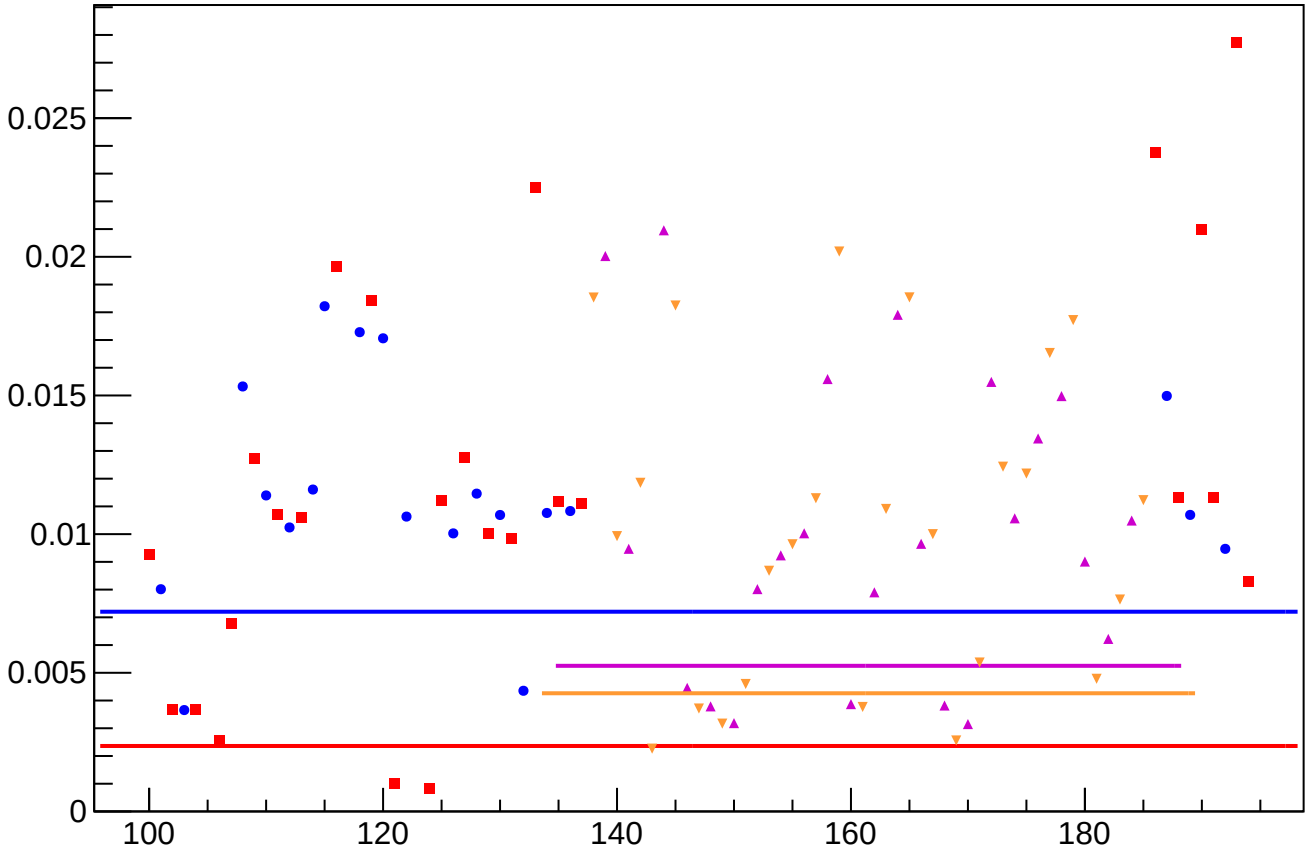
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.1/43

All: 0.000+/-0.000 χ^2/NDF: 116.7/91

- sign 0.000+/-0.000 χ^2/NDF: 50.1/47

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

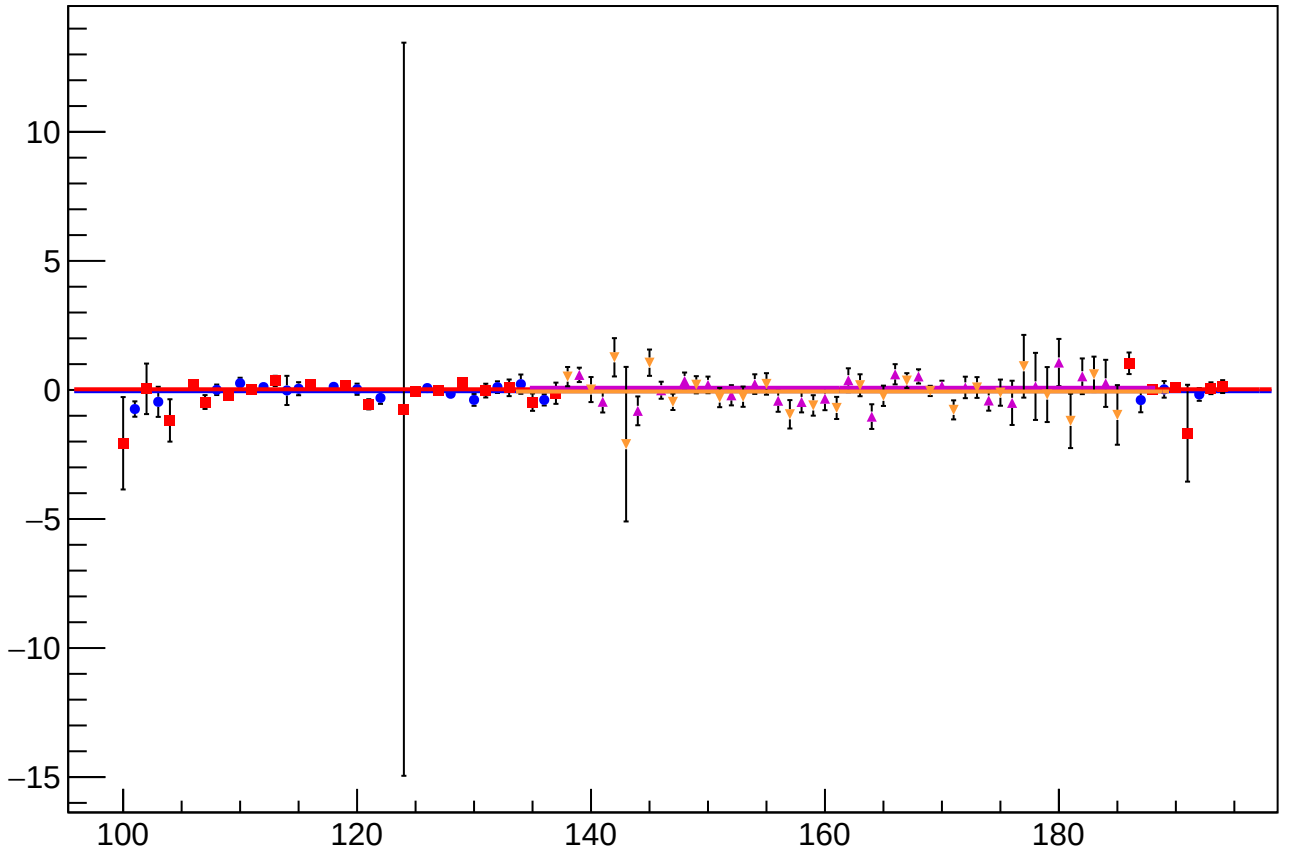
Right Out: 0.002+/-0.000 χ^2/NDF: 13930362.5/24

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: 47567586.6/91

- sign 0.004+/-0.000 χ^2/NDF: 27829953.1/47



Right In: -0.049+/-0.053 χ^2/NDF: 18.8/18

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.026+/-0.044 χ^2/NDF: 35.9/24

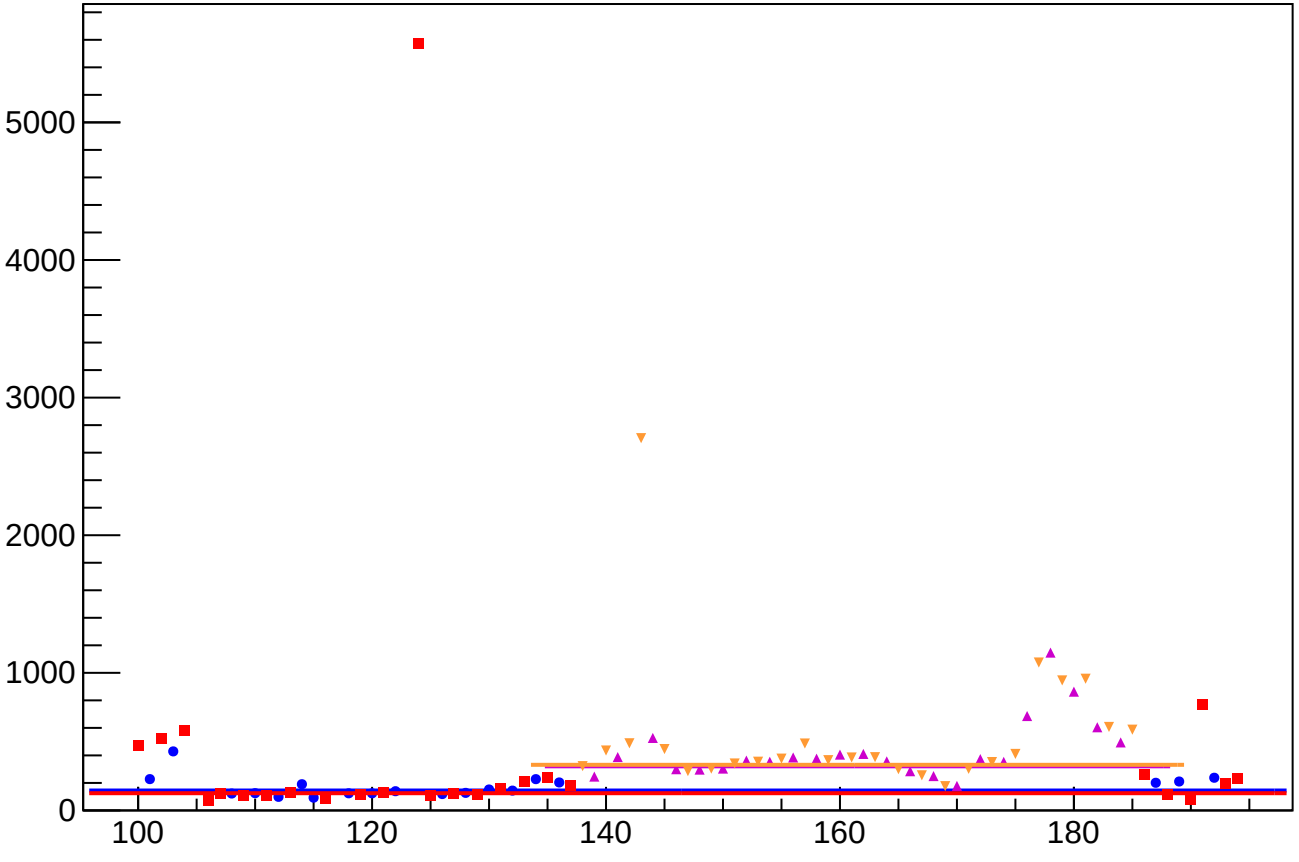
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.052+/-0.045 χ^2/NDF: 49.6/43

All: 0.001+/-0.029 χ^2/NDF: 115.3/91

\- sign 0.039+/-0.039 χ^2/NDF: 63.3/47

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

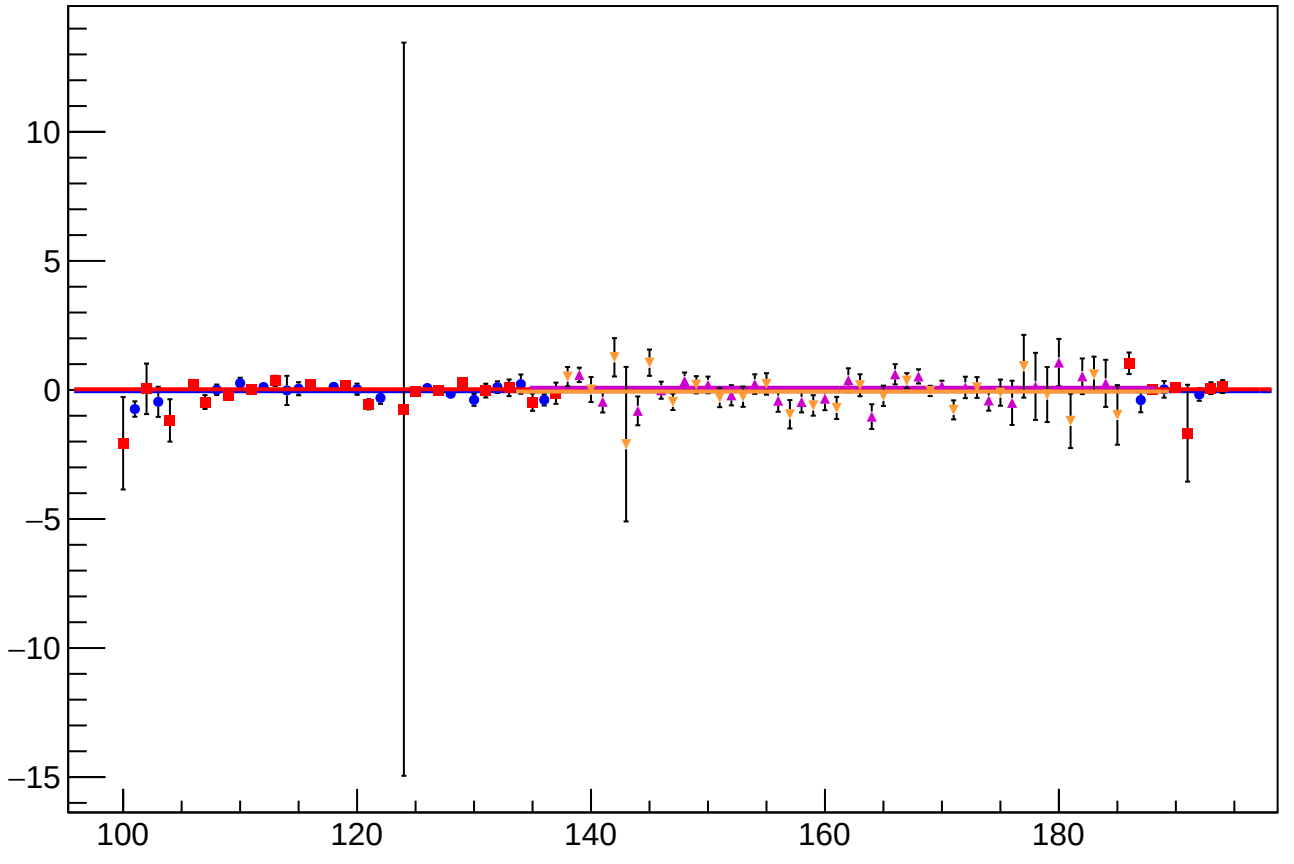
Right Out: 125.361+/-0.031 χ^2/NDF: 3360864.3/24

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 198.841+/-0.032 χ^2/NDF: 14617854.3/43

All: 181.817+/-0.021 χ^2/NDF: 31708091.1/91

- sign 169.346+/-0.027 χ^2/NDF: 16593961.5/47



Right In: -0.049+/-0.053 χ^2/NDF: 18.8/18

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

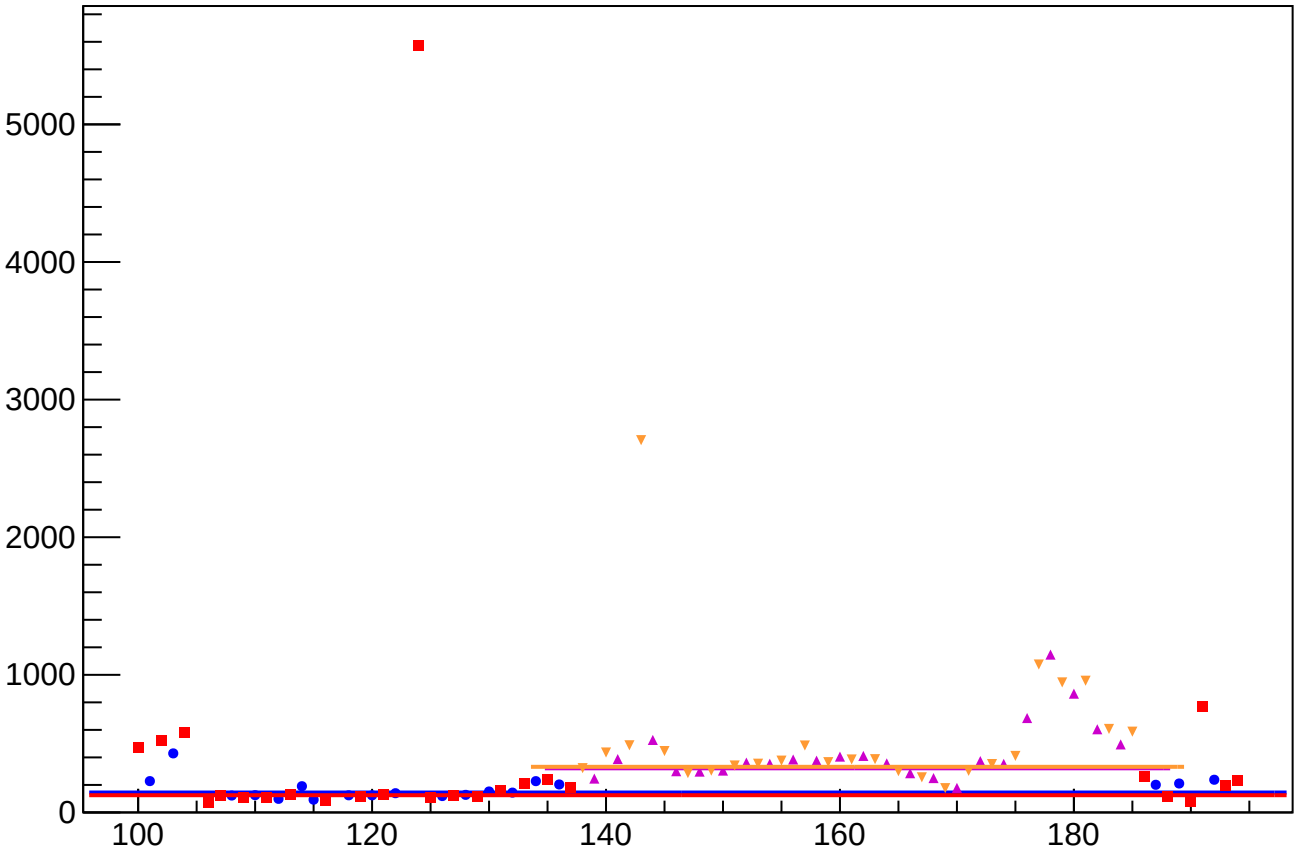
Right Out: 0.026+/-0.044 χ^2/NDF: 35.9/24

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.052+/-0.045 χ^2/NDF: 49.6/43

All: 0.001+/-0.029 χ^2/NDF: 115.3/91

\- sign 0.039+/-0.039 χ^2/NDF: 63.3/47



Right In: 144.887+/-0.038 χ^2/NDF: 1697168.1/18

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 125.361+/-0.031 χ^2/NDF: 3360864.3/24

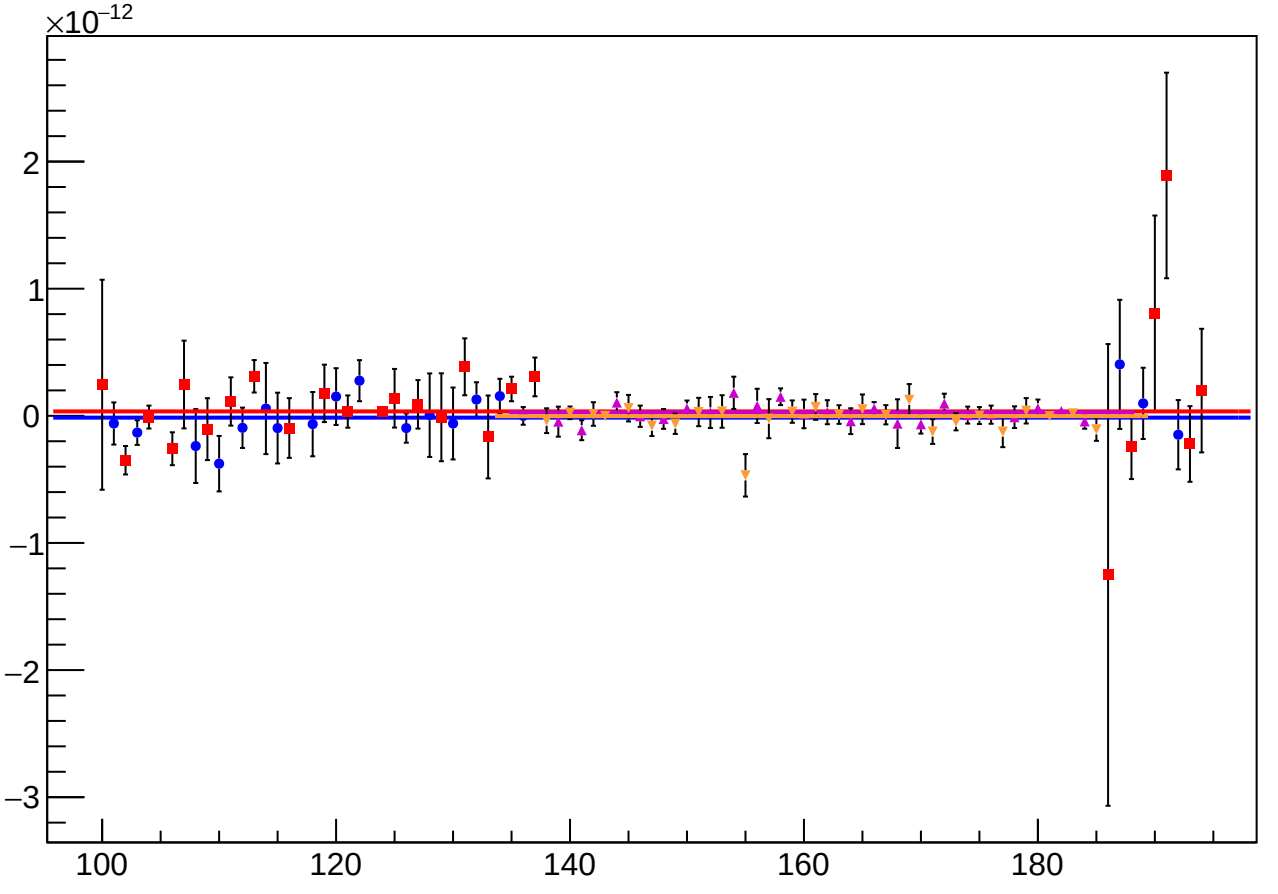
Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 198.841+/-0.032 χ^2/NDF: 14617854.3/43

All: 181.817+/-0.021 χ^2/NDF: 31708091.1/91

- sign 169.346+/-0.027 χ^2/NDF: 16593961.5/47

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



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: 41.9/24

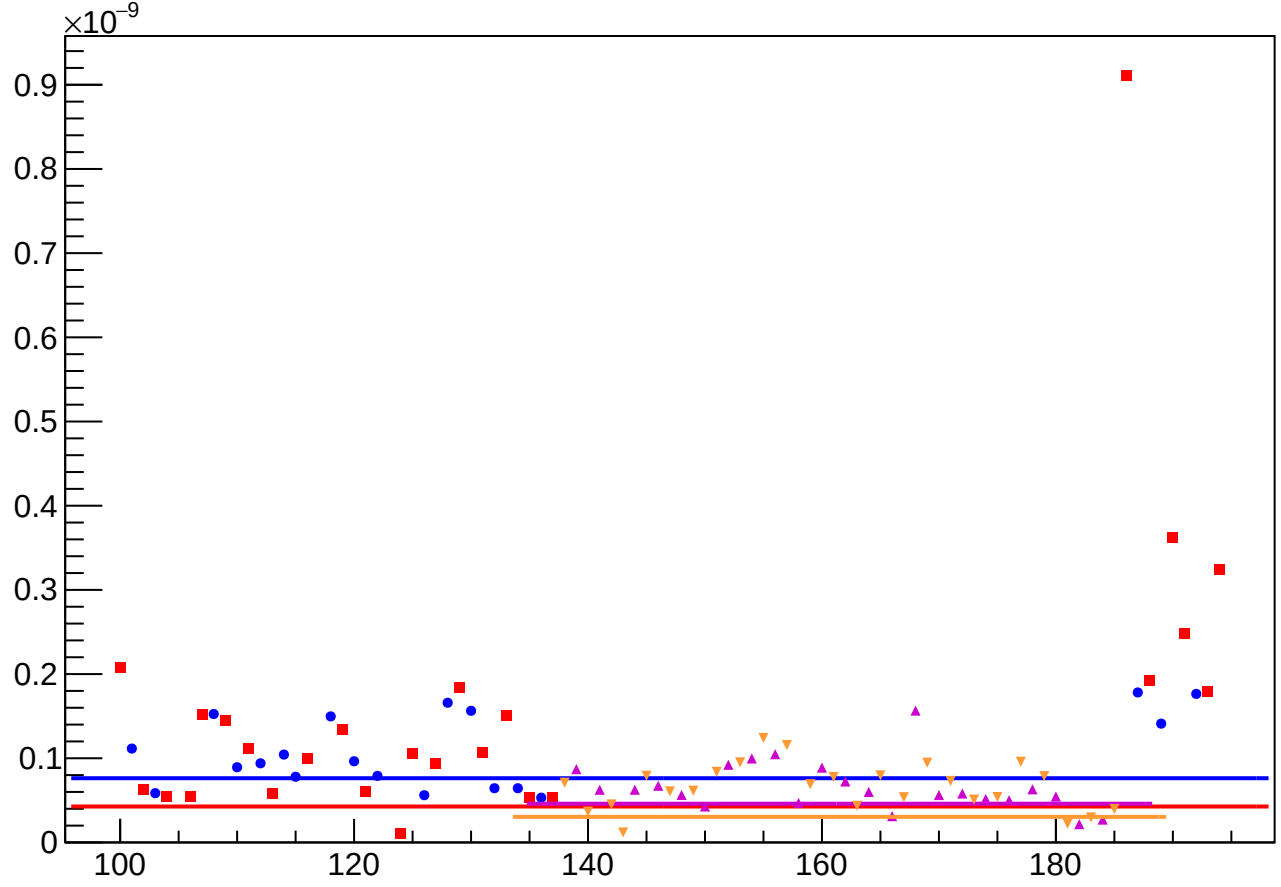
Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.4/43

All: 0.000+/-0.000 χ^2/NDF: 92.6/91

- sign 0.000+/-0.000 χ^2/NDF: 58.1/47

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1603623.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7016350.7/24

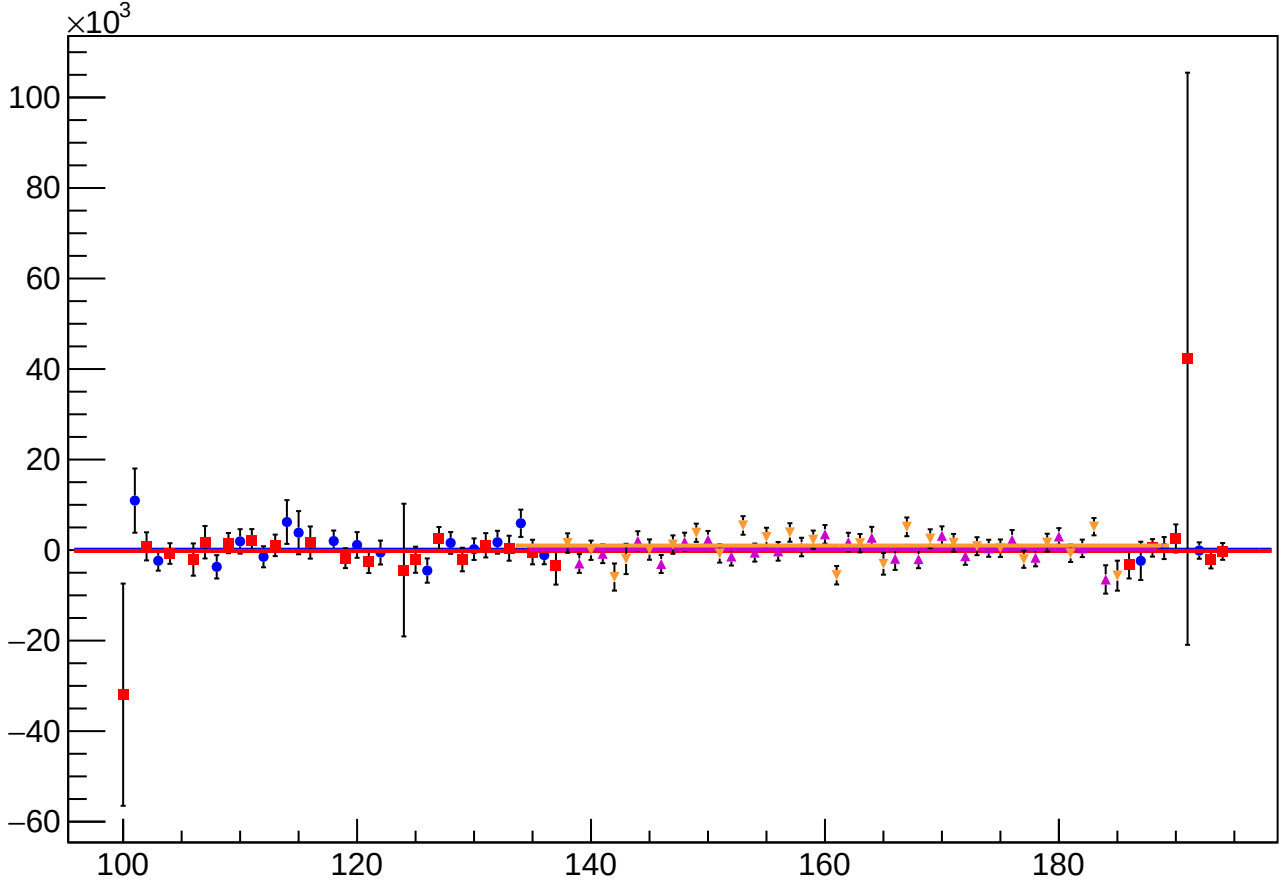
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15030462.5/43

All: 0.000+/-0.000 χ^2/NDF: 27903704.9/91

- sign 0.000+/-0.000 χ^2/NDF: 11942560.0/47

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: -195.047+/-546.793 χ^2/NDF: 12.2/24

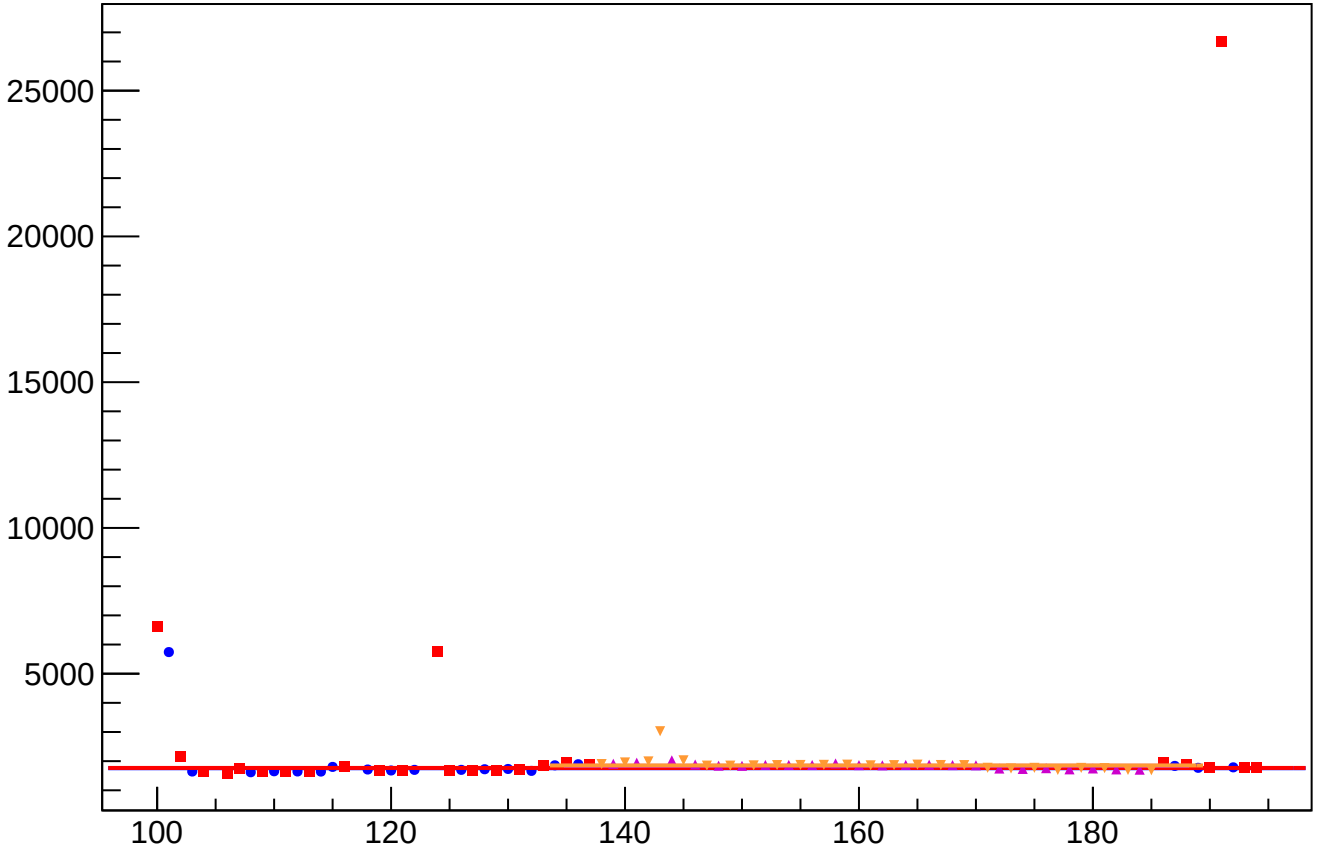
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 701.167+/-345.514 χ^2/NDF: 67.0/43

All: 377.134+/-241.563 χ^2/NDF: 107.6/91

- sign 67.303+/-337.857 χ^2/NDF: 39.0/47

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: 1767.097+/-0.385 χ^2/NDF: 637755.8/24

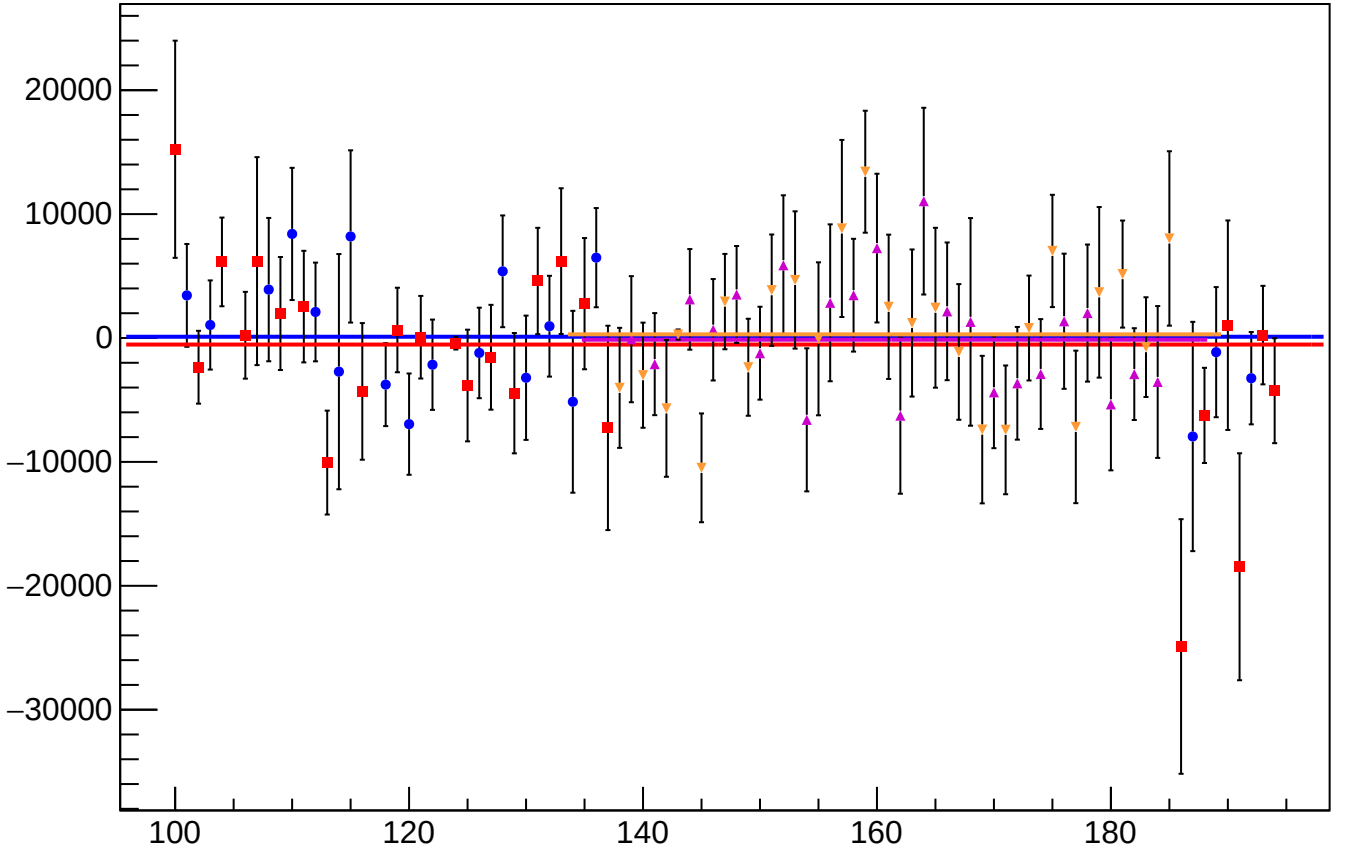
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1820.873+/-0.244 χ^2/NDF: 1026055.1/43

All: 1815.859+/-0.171 χ^2/NDF: 1754346.0/91

- sign 1811.083+/-0.238 χ^2/NDF: 727468.6/47

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: -528.905+/-447.638 χ^2/NDF: 31.9/24

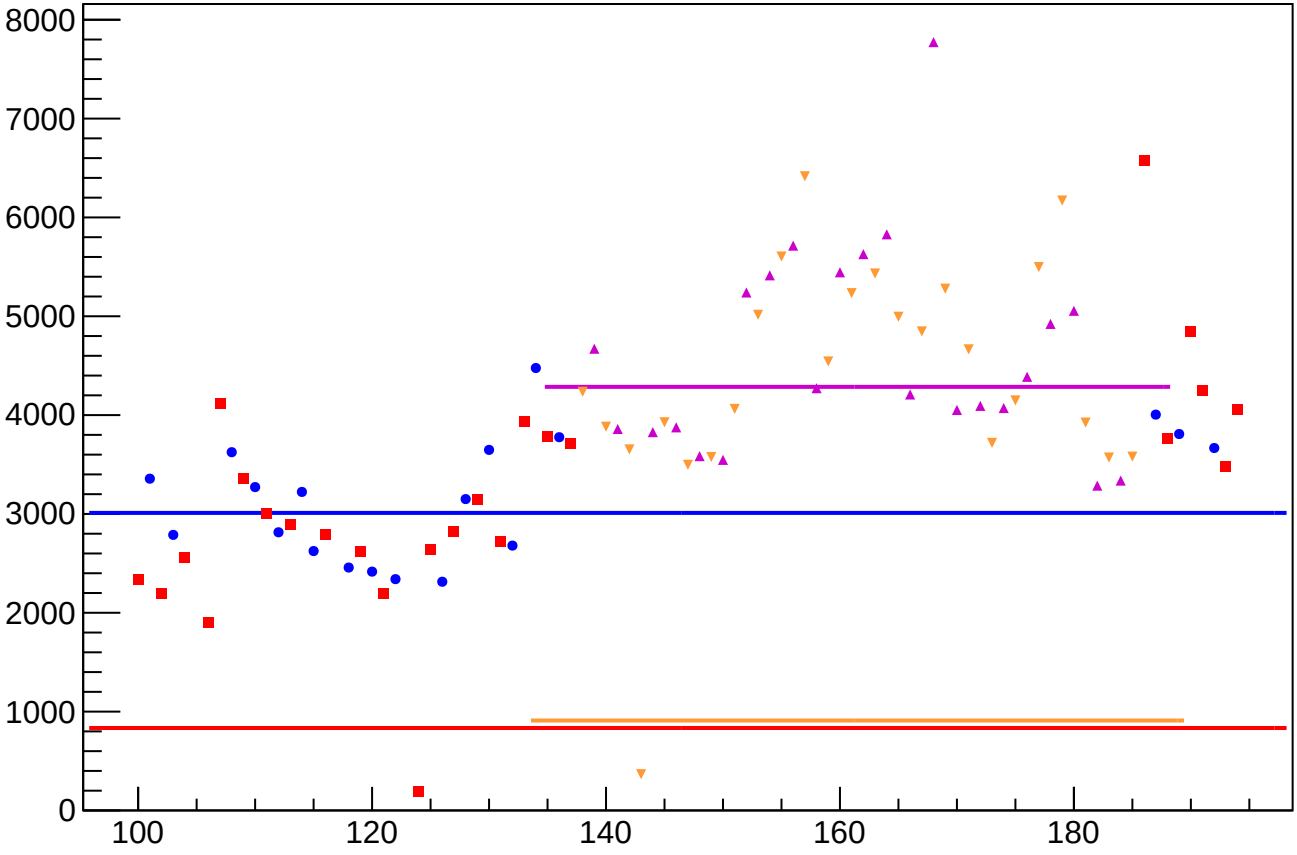
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 271.229+/-356.399 χ^2/NDF: 46.7/43

All: -46.053+/-269.006 χ^2/NDF: 94.5/91

- sign -466.136+/-410.092 χ^2/NDF: 46.0/47

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: 834.394+/-0.317 χ^2/NDF: 14908213.9/24

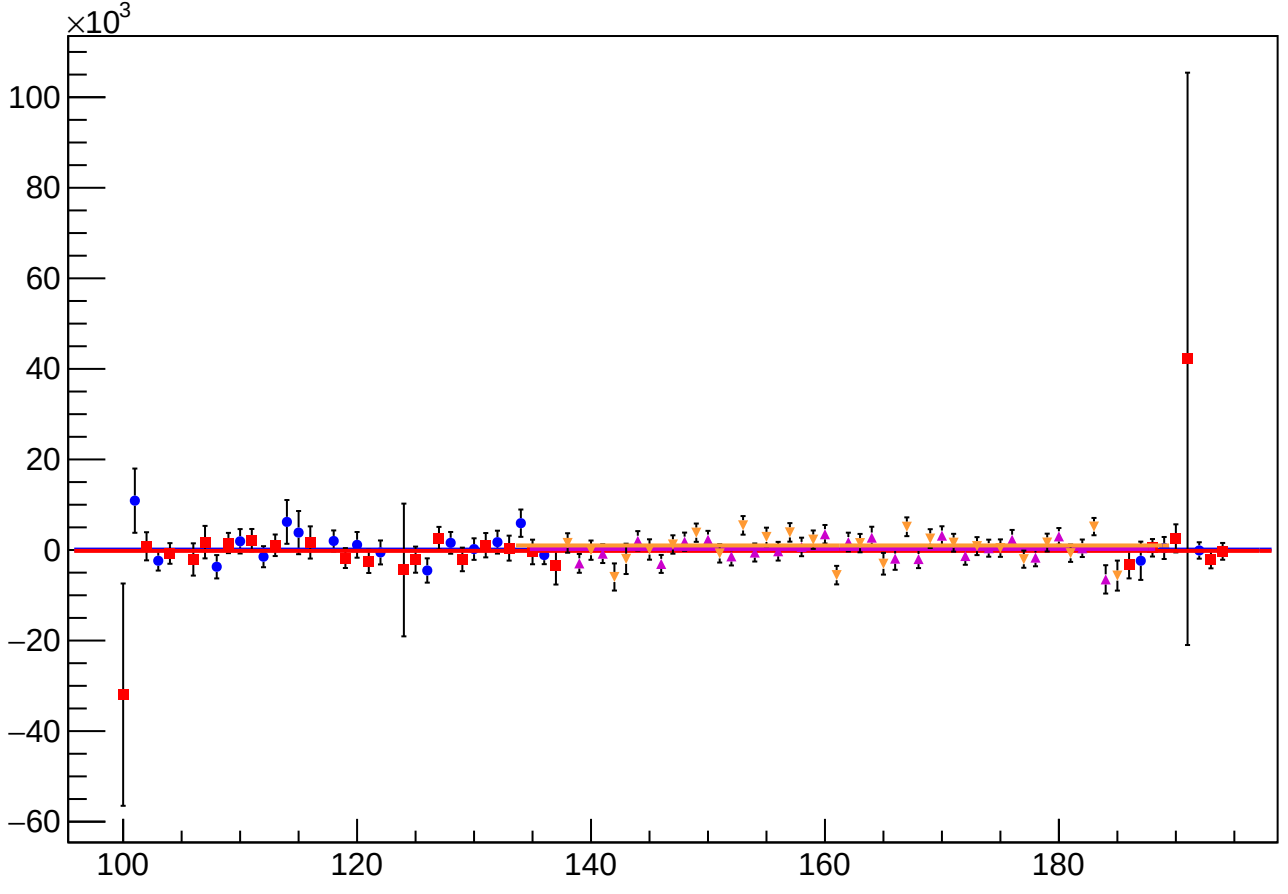
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1162.183+/-0.252 χ^2/NDF: 34739669.7/43

All: 1259.822+/-0.190 χ^2/NDF: 70433681.5/9

- sign 1389.097+/-0.290 χ^2/NDF: 35345159.7/47

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: -195.072+/-546.793 χ^2/NDF: 12.2/24

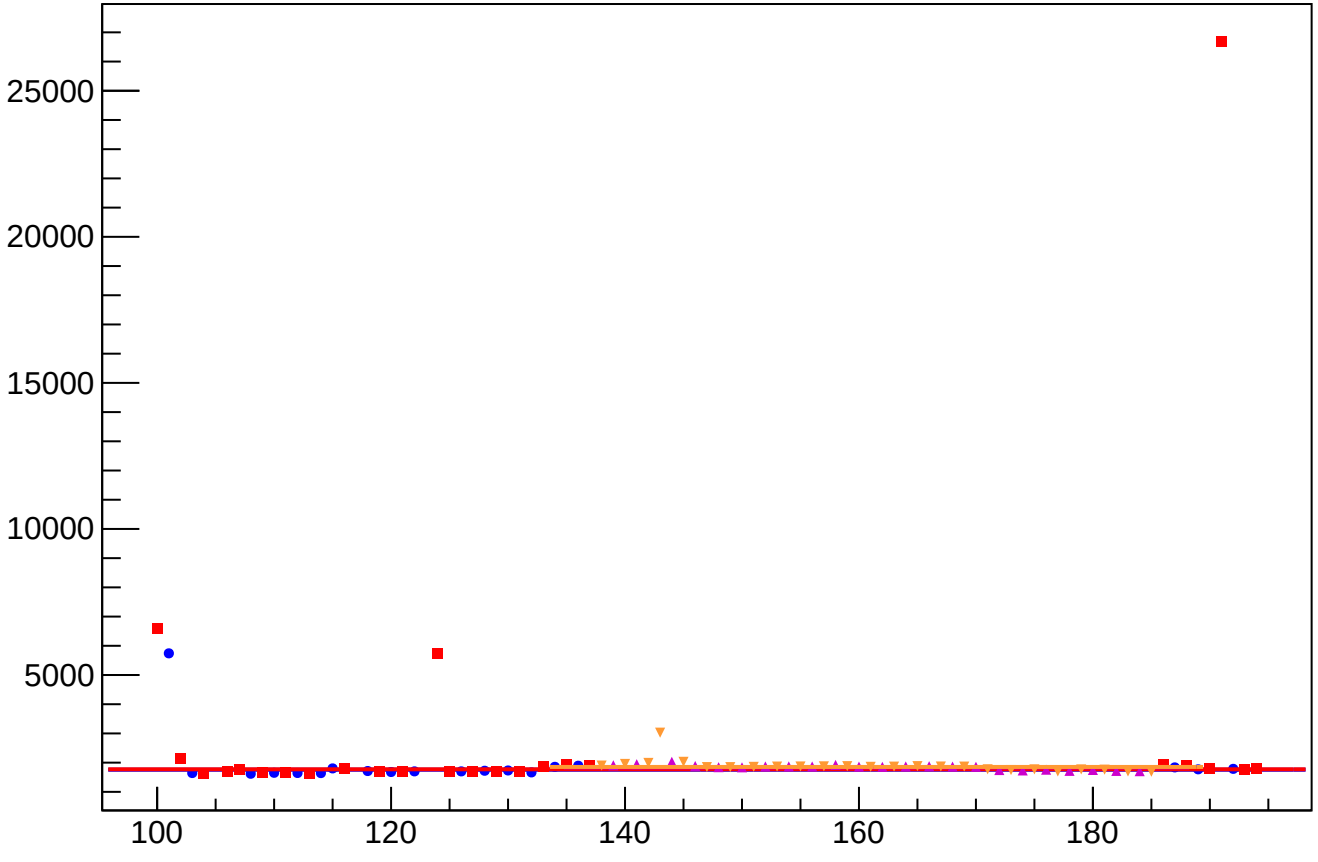
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 701.013+/-345.514 χ^2/NDF: 66.9/43

All: 377.027+/-241.563 χ^2/NDF: 107.6/91

- sign 67.241+/-337.857 χ^2/NDF: 39.0/47

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: 1771.915+/-0.386 χ^2/NDF: 629470.5/24

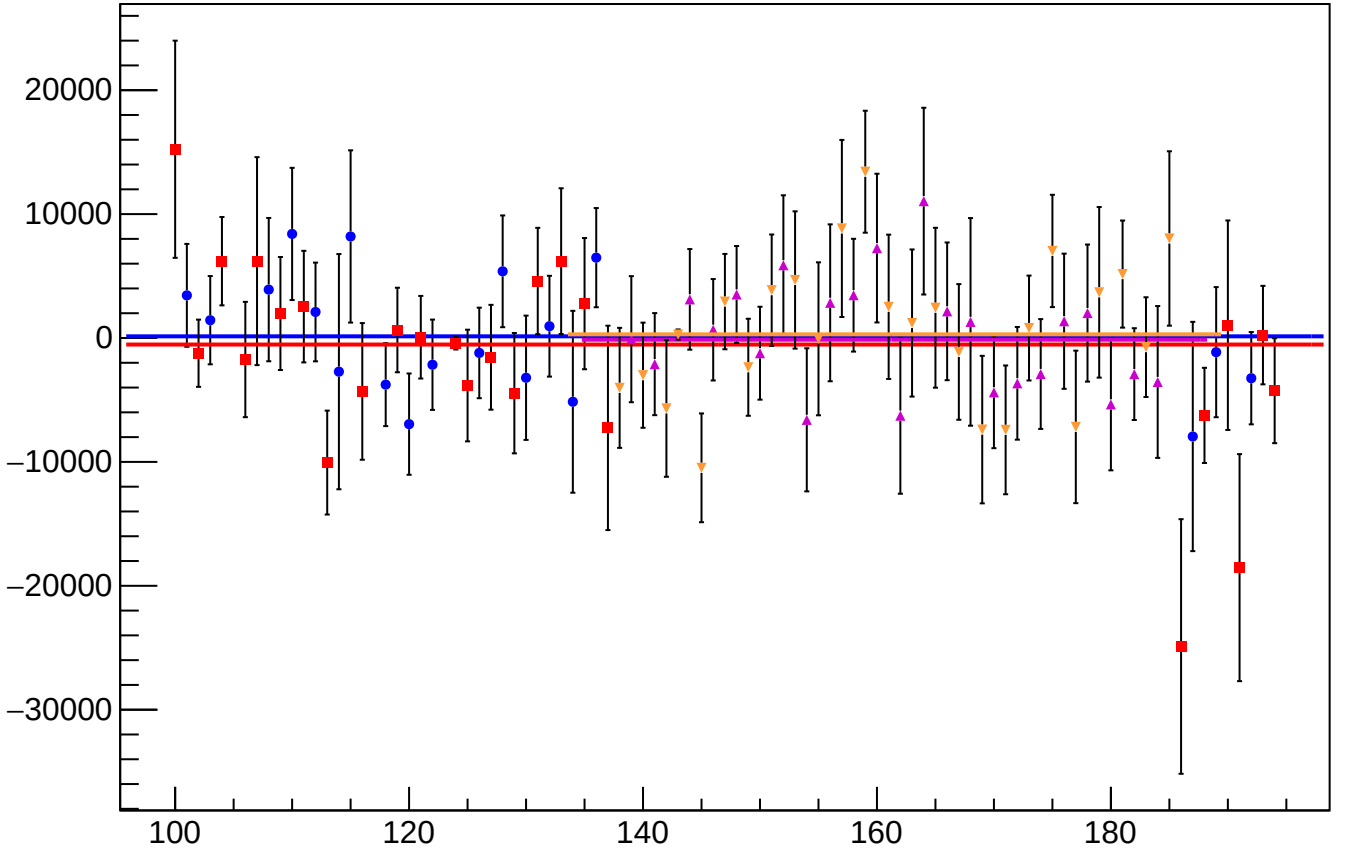
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1820.873+/-0.244 χ^2/NDF: 1026055.4/43

All: 1816.851+/-0.171 χ^2/NDF: 1742943.2/91

- sign 1813.014+/-0.239 χ^2/NDF: 716358.2/47

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: -527.537+/-448.492 χ^2/NDF: 31.8/24

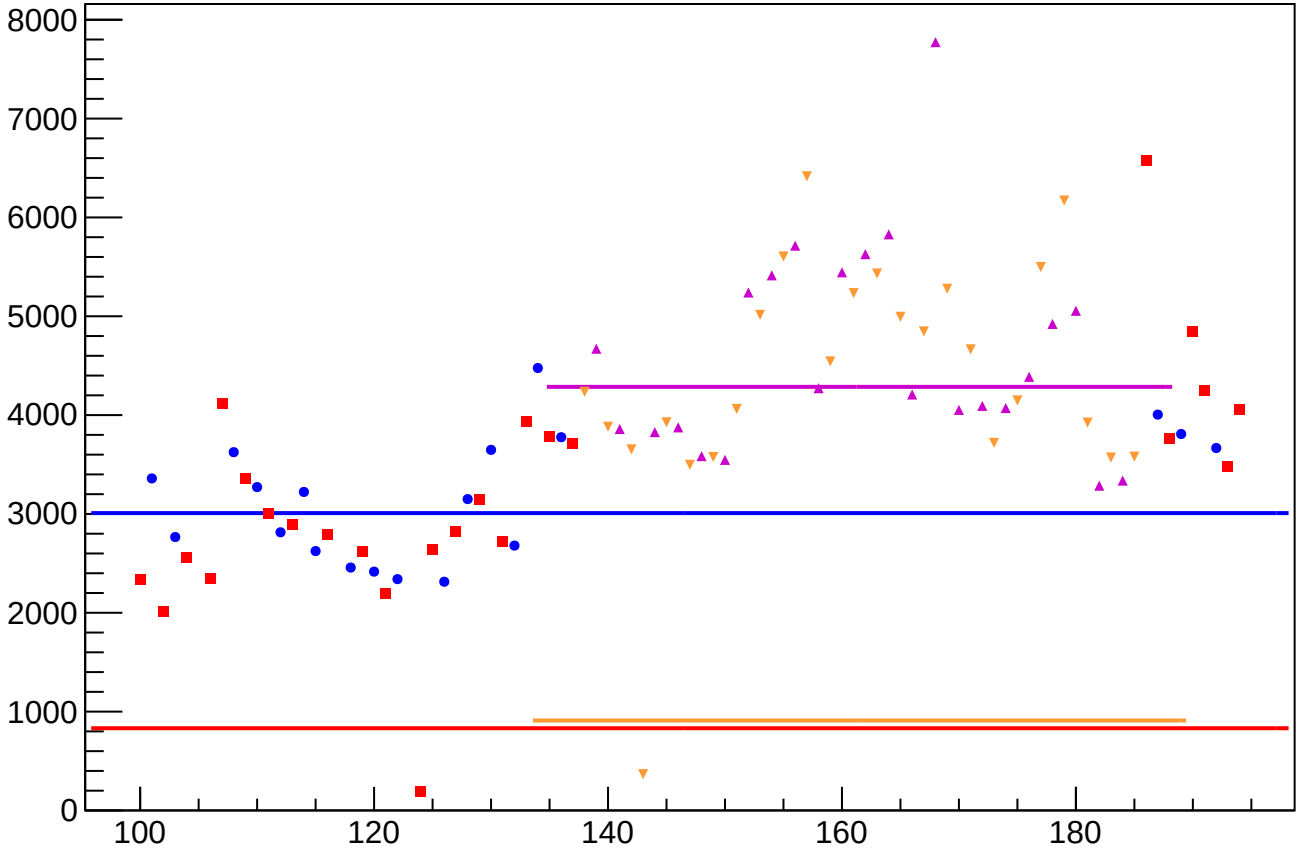
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 276.049+/-356.388 χ^2/NDF: 46.7/43

All: -42.130+/-269.187 χ^2/NDF: 94.4/91

- sign -464.775+/-410.748 χ^2/NDF: 45.8/47

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: 832.025+/-0.317 χ^2/NDF: 14872841.4/24

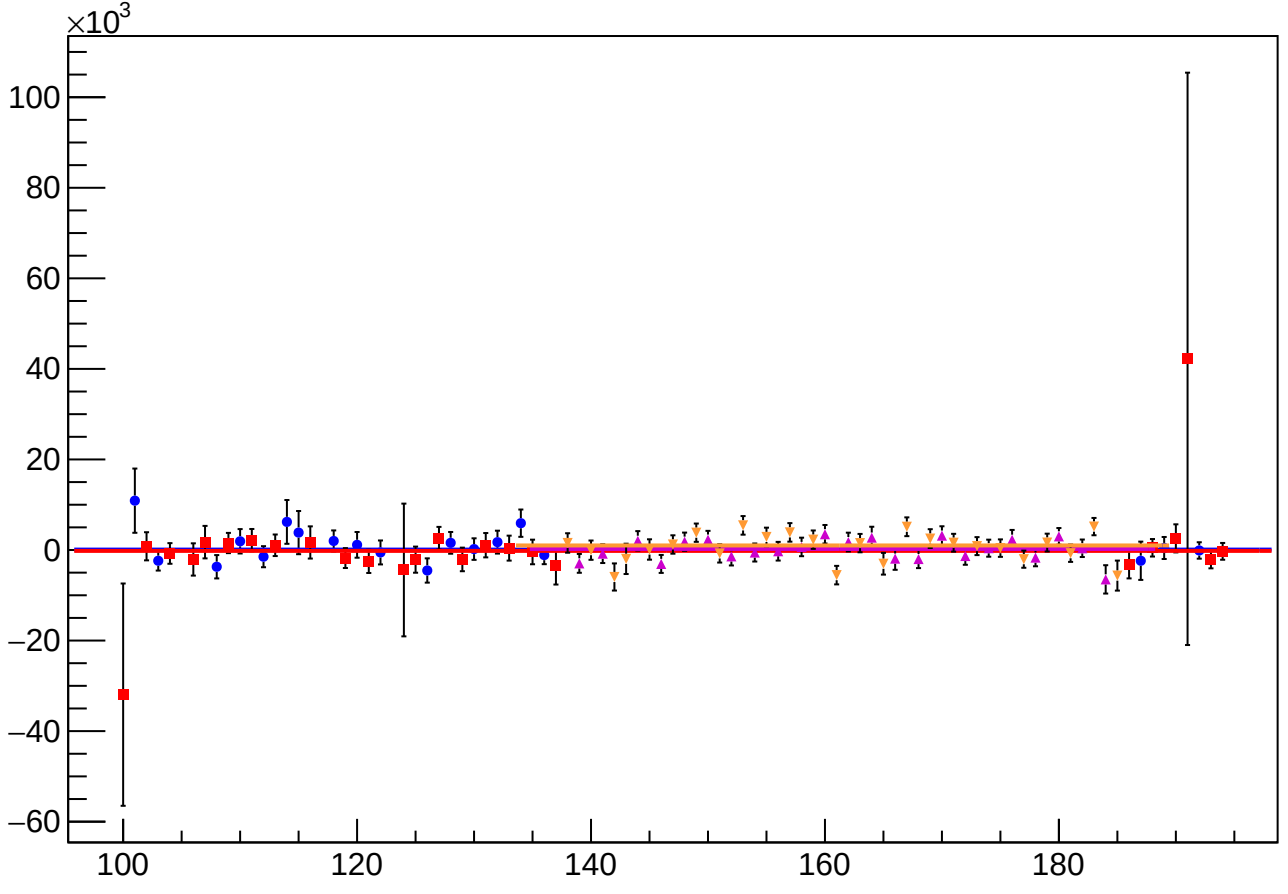
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1162.435+/-0.252 χ^2/NDF: 34735503.1/43

All: 1259.695+/-0.190 χ^2/NDF: 70406572.2/9

- sign 1388.887+/-0.290 χ^2/NDF: 35324257.7/47

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: -195.072+/-546.793 χ^2/NDF: 12.2/24

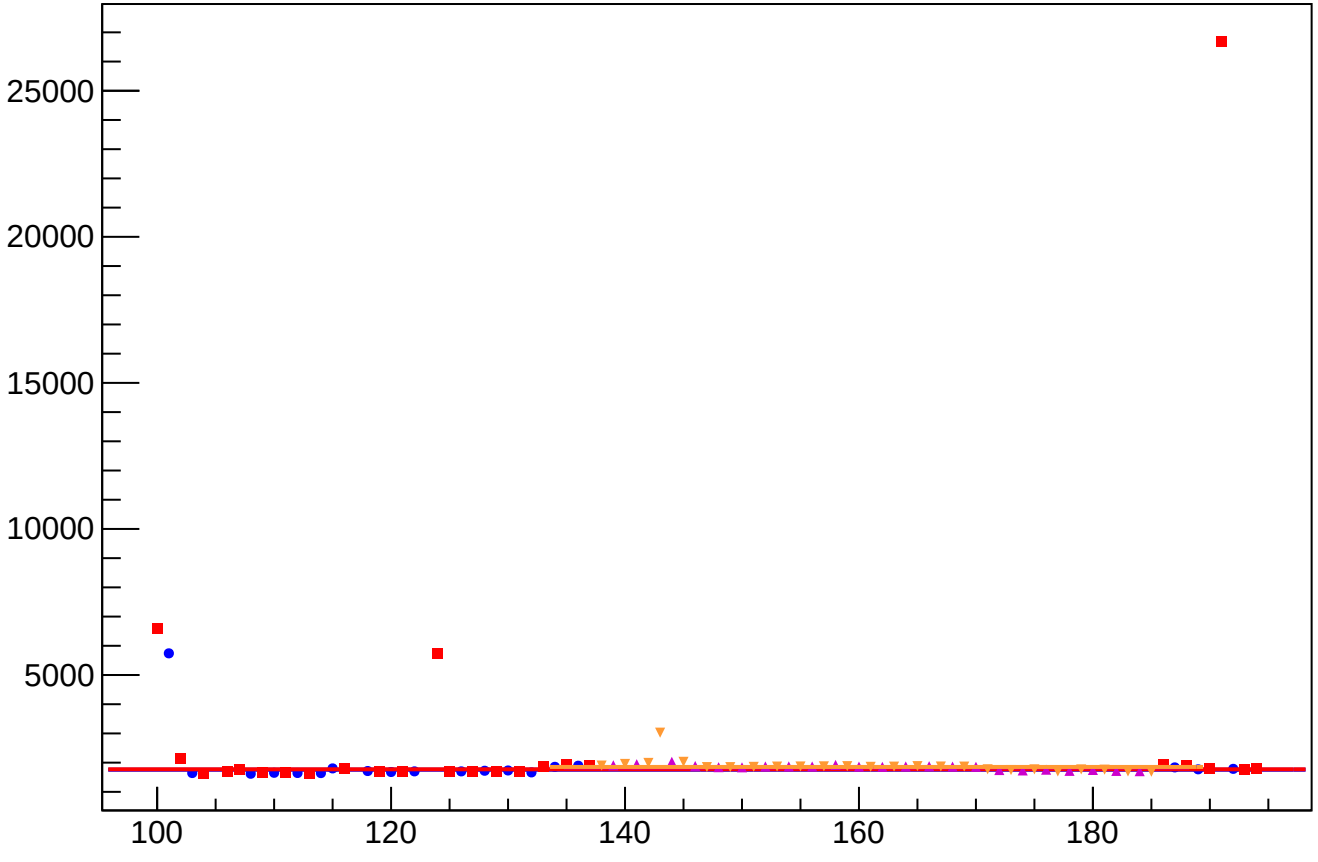
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 701.013+/-345.514 χ^2/NDF: 66.9/43

All: 377.027+/-241.563 χ^2/NDF: 107.6/91

- sign 67.241+/-337.857 χ^2/NDF: 39.0/47

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

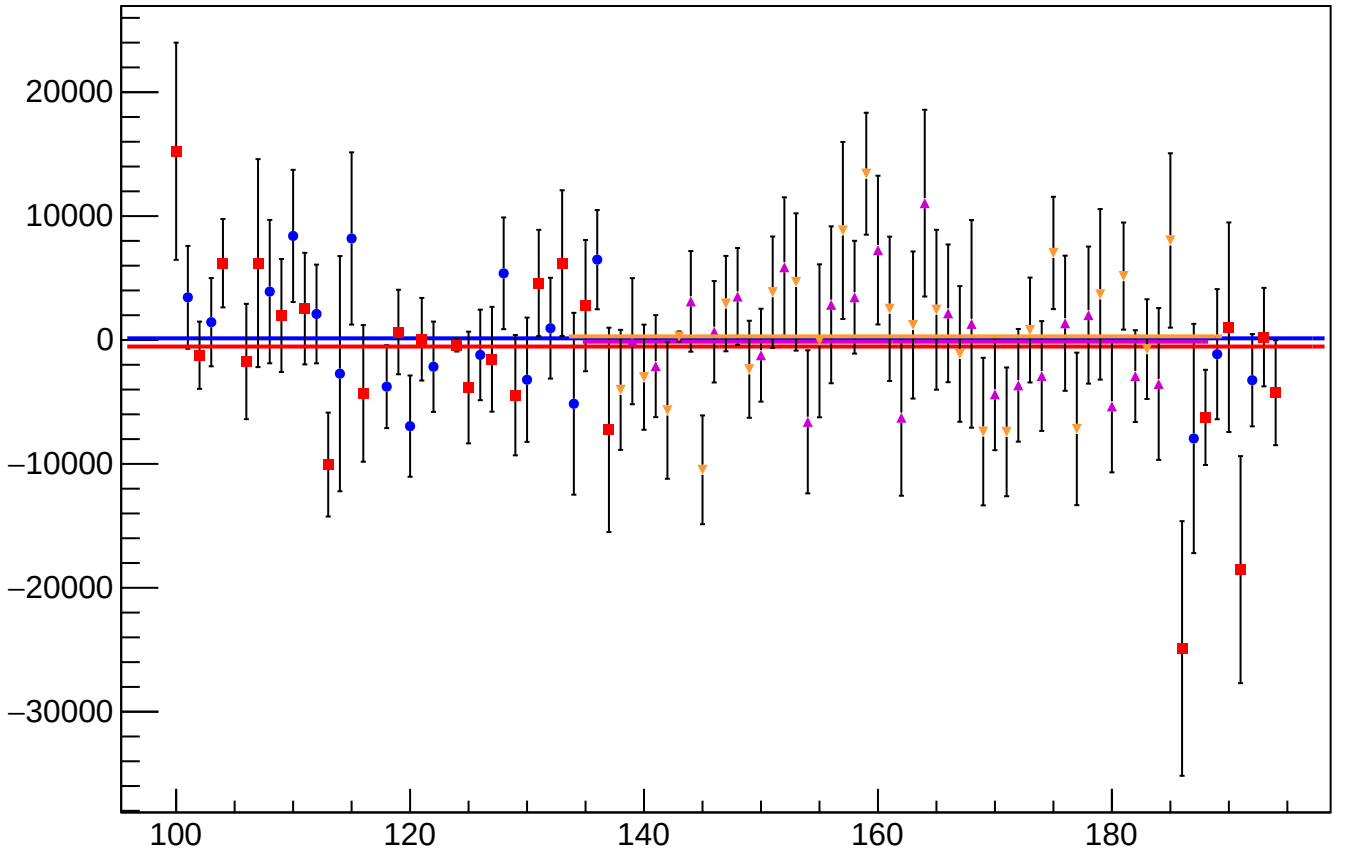
Right Out: 1771.915+/-0.386 χ^2/NDF: 629470.5/24

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1820.873+/-0.244 χ^2/NDF: 1026055.4/43

All: 1816.851+/-0.171 χ^2/NDF: 1742943.2/91

- sign 1813.014+/-0.239 χ^2/NDF: 716358.2/47



Right In: 135.066+/-1028.002 χ^2/NDF: 16.7/18

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -527.537+/-448.492 χ^2/NDF: 31.8/24

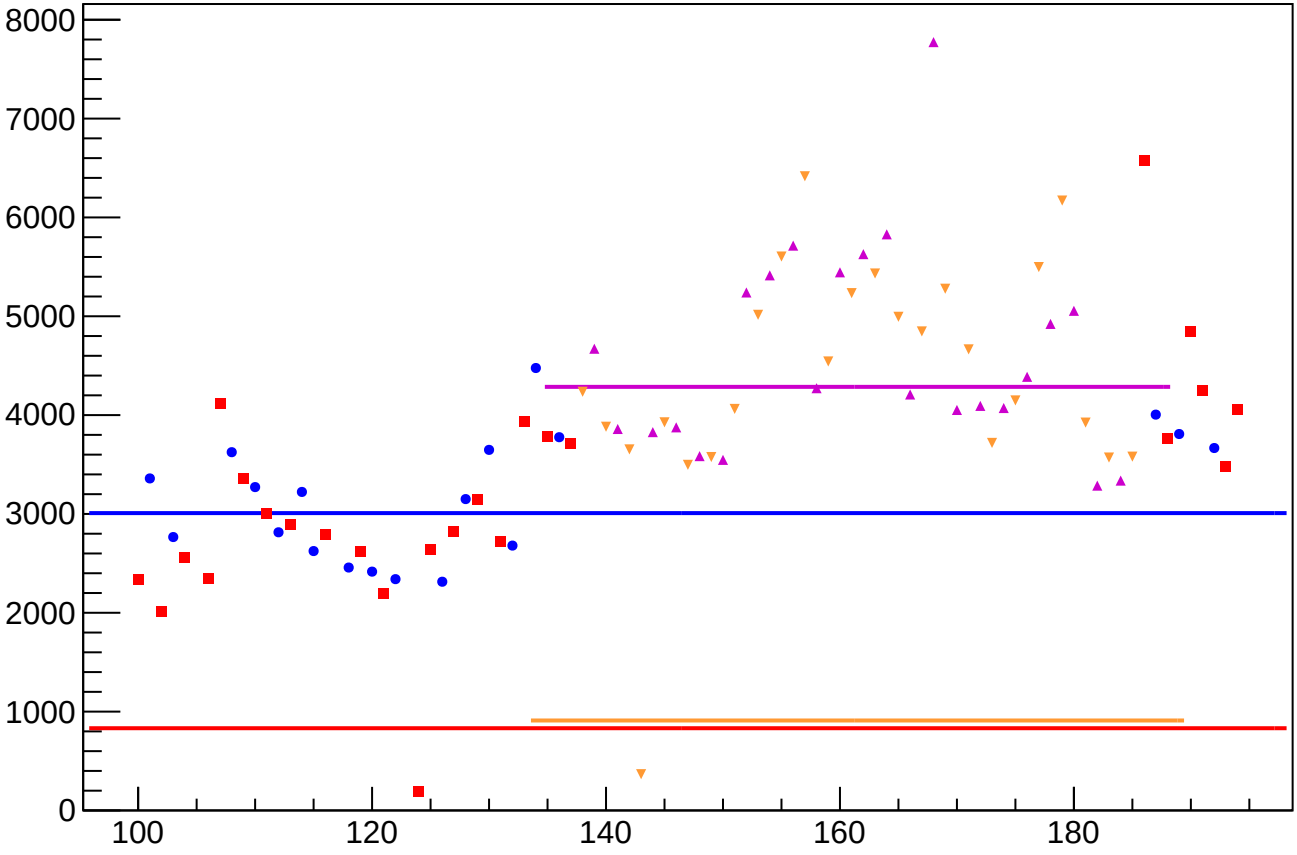
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 276.049+/-356.388 χ^2/NDF: 46.7/43

All: -42.130+/-269.187 χ^2/NDF: 94.4/91

- sign -464.775+/-410.748 χ^2/NDF: 45.8/47

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: 832.025+/-0.317 χ^2/NDF: 14872841.4/24

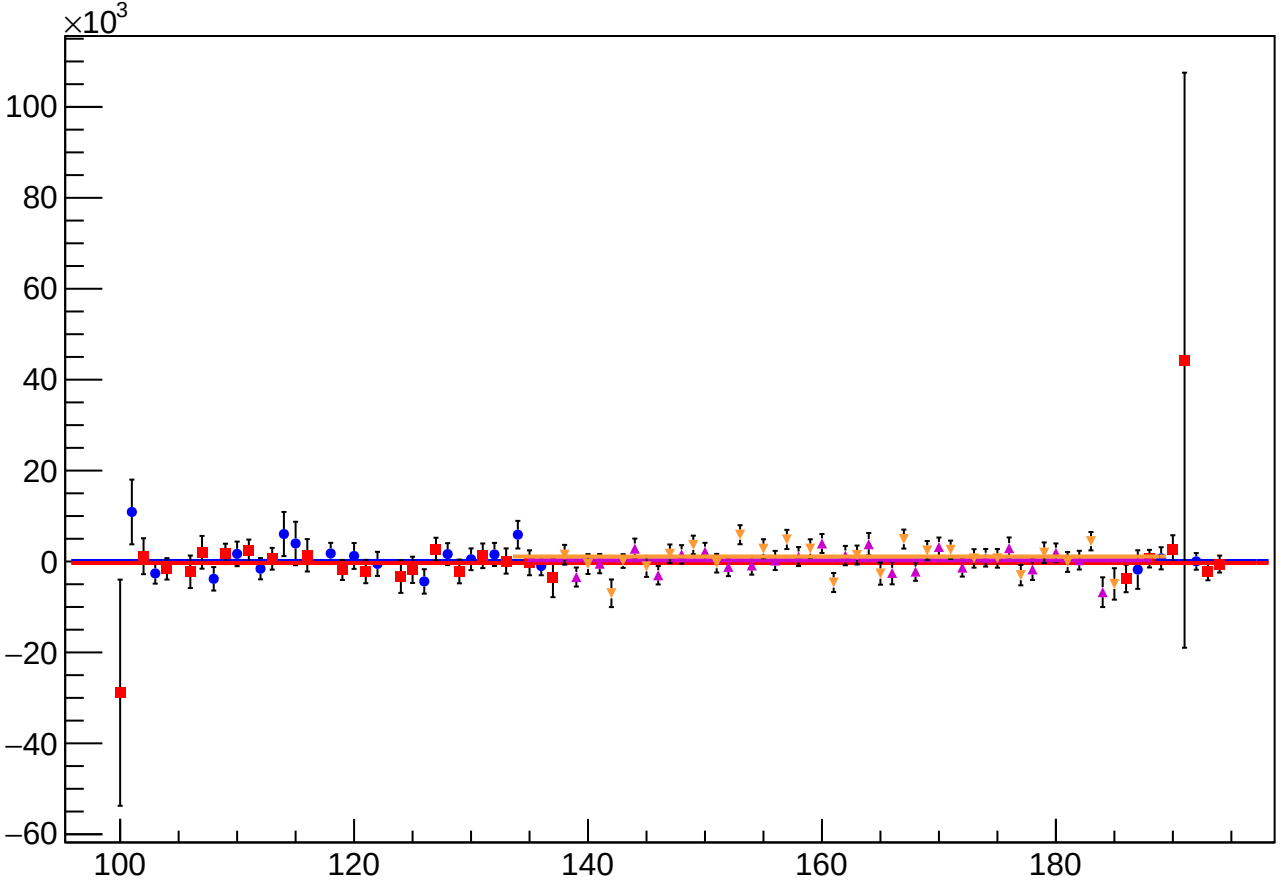
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1162.435+/-0.252 χ^2/NDF: 34735503.1/43

All: 1259.695+/-0.190 χ^2/NDF: 70406572.2/9

- sign 1388.887+/-0.290 χ^2/NDF: 35324257.7/47

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: -330.108+/-546.859 χ^2/NDF: 13.4/24

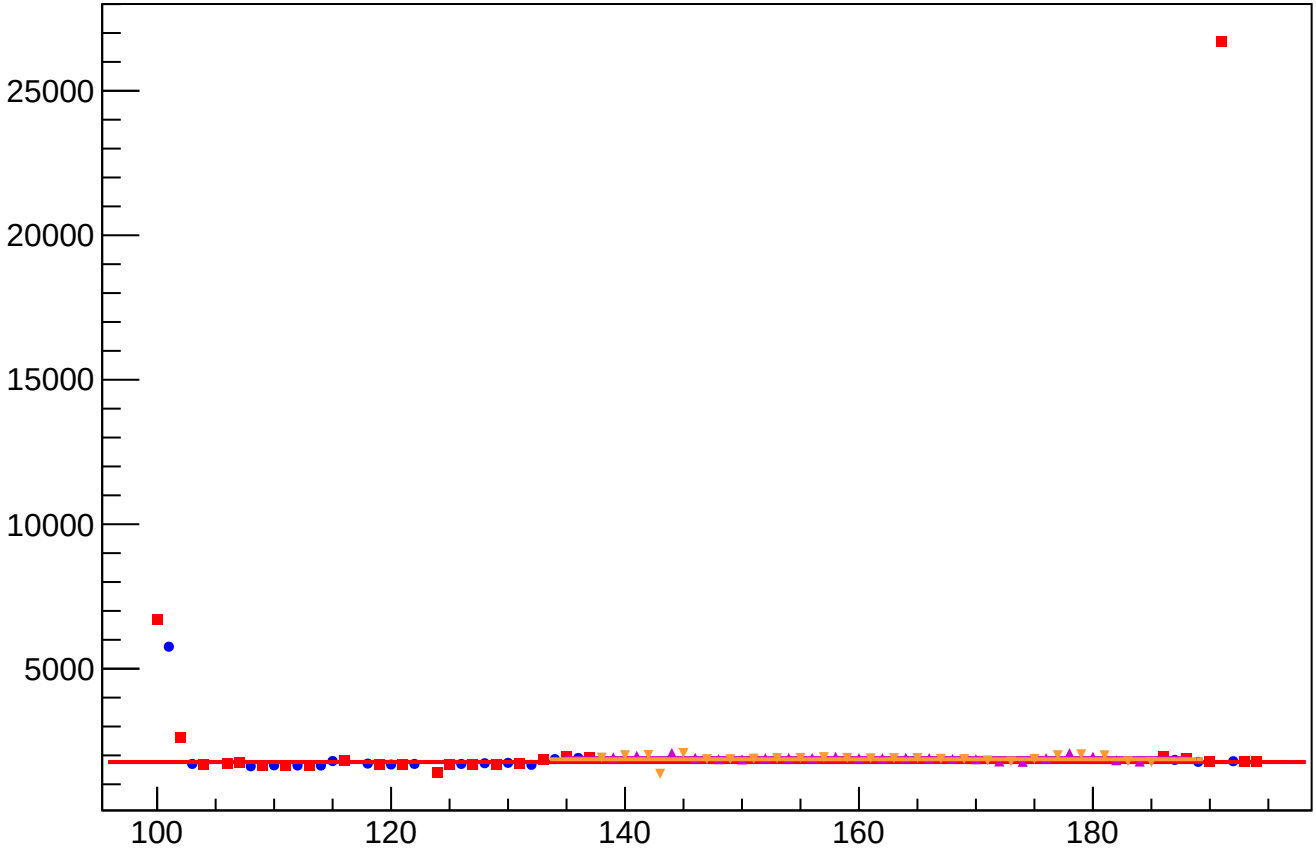
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 776.807+/-347.759 χ^2/NDF: 64.1/43

All: 399.504+/-245.038 χ^2/NDF: 108.3/91

- sign 27.461+/-345.326 χ^2/NDF: 41.8/47

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: 1772.600+/-0.386 χ^2/NDF: 560579.3/24

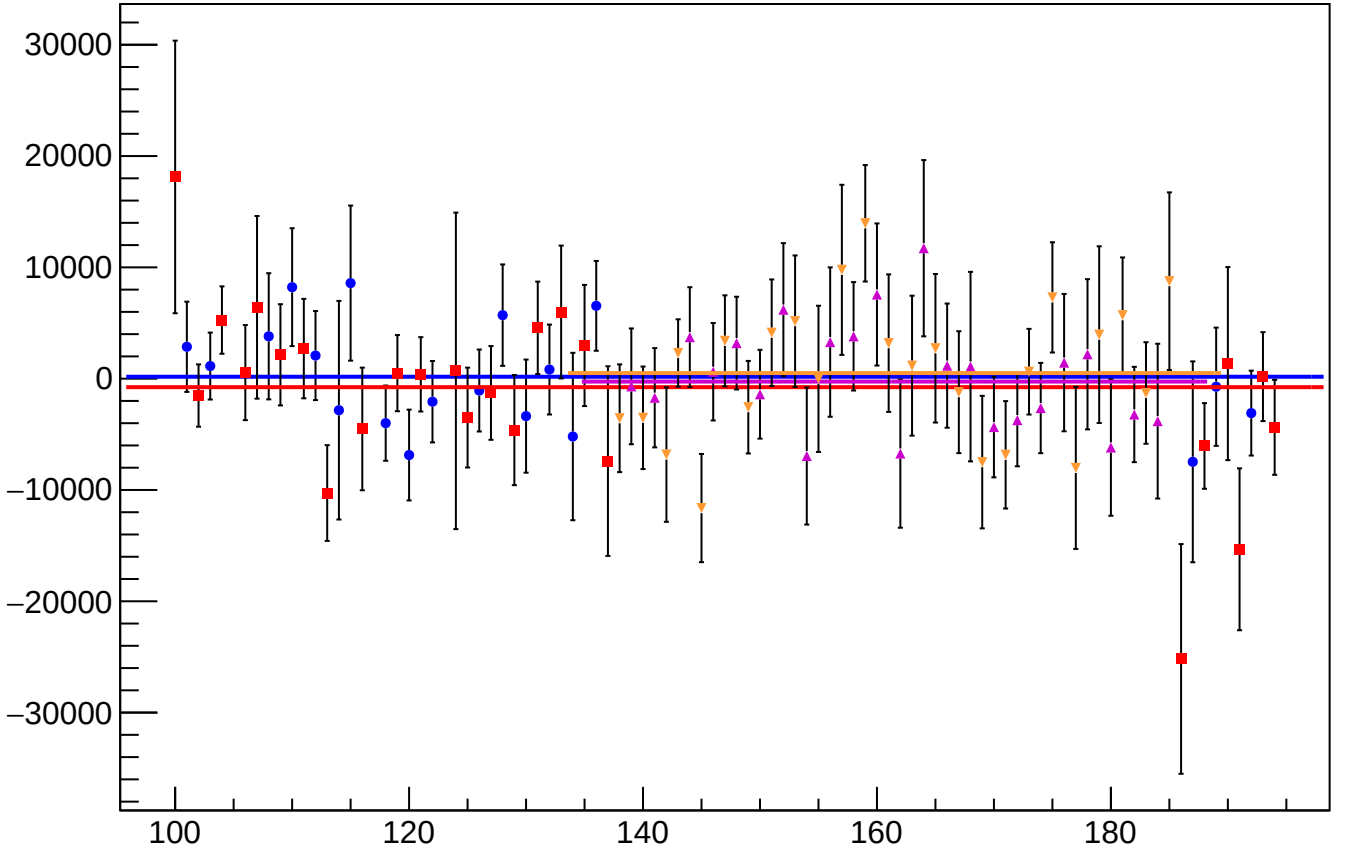
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1832.946+/-0.246 χ^2/NDF: 997724.7/43

All: 1842.776+/-0.173 χ^2/NDF: 1685586.0/91

- sign 1852.453+/-0.244 χ^2/NDF: 684690.3/47

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: -763.395+/-918.246 χ^2/NDF: 31.2/24

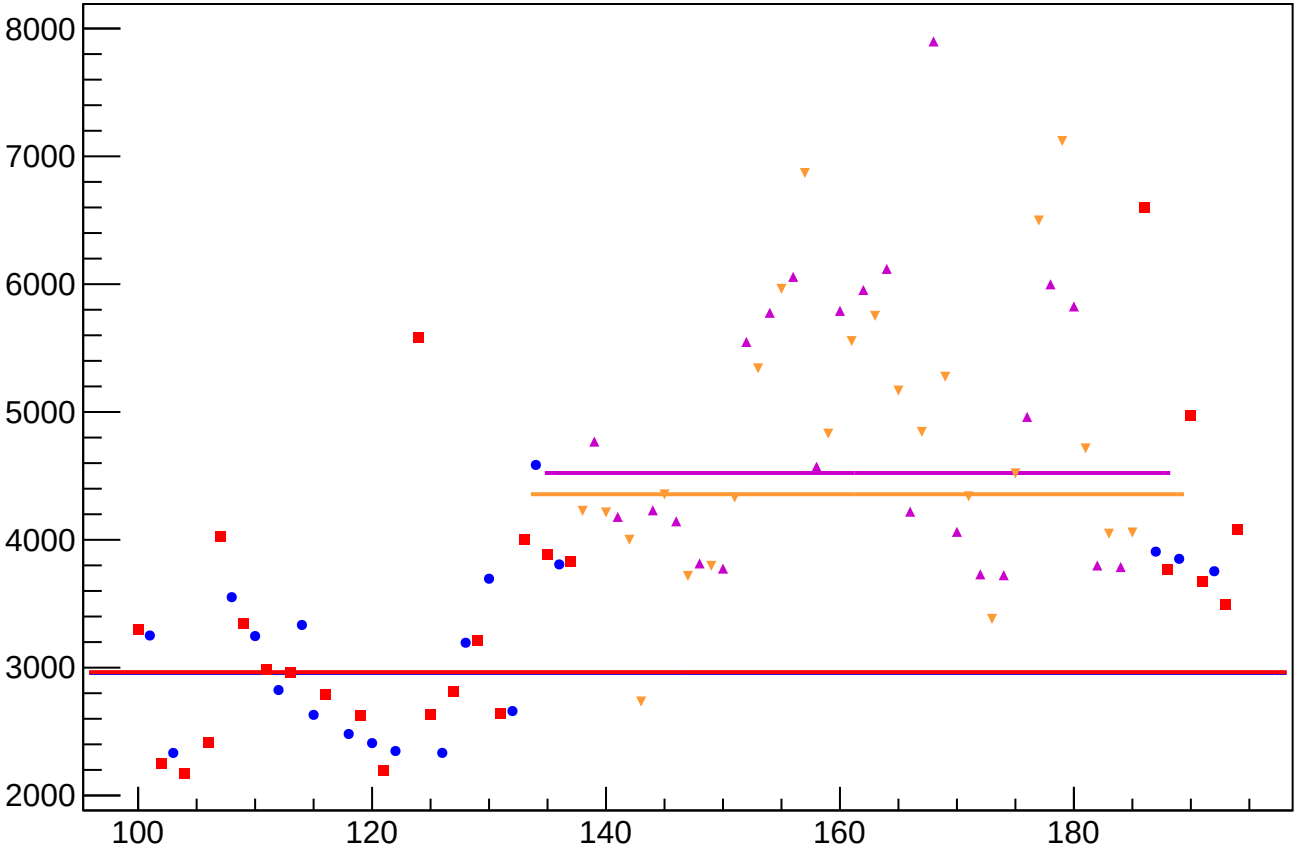
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 337.288+/-719.919 χ^2/NDF: 46.6/43

All: -120.343+/-501.851 χ^2/NDF: 92.3/91

- sign -552.939+/-699.950 χ^2/NDF: 45.0/47

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: 2964.647+/-0.649 χ^2/NDF: 1348840.1/24

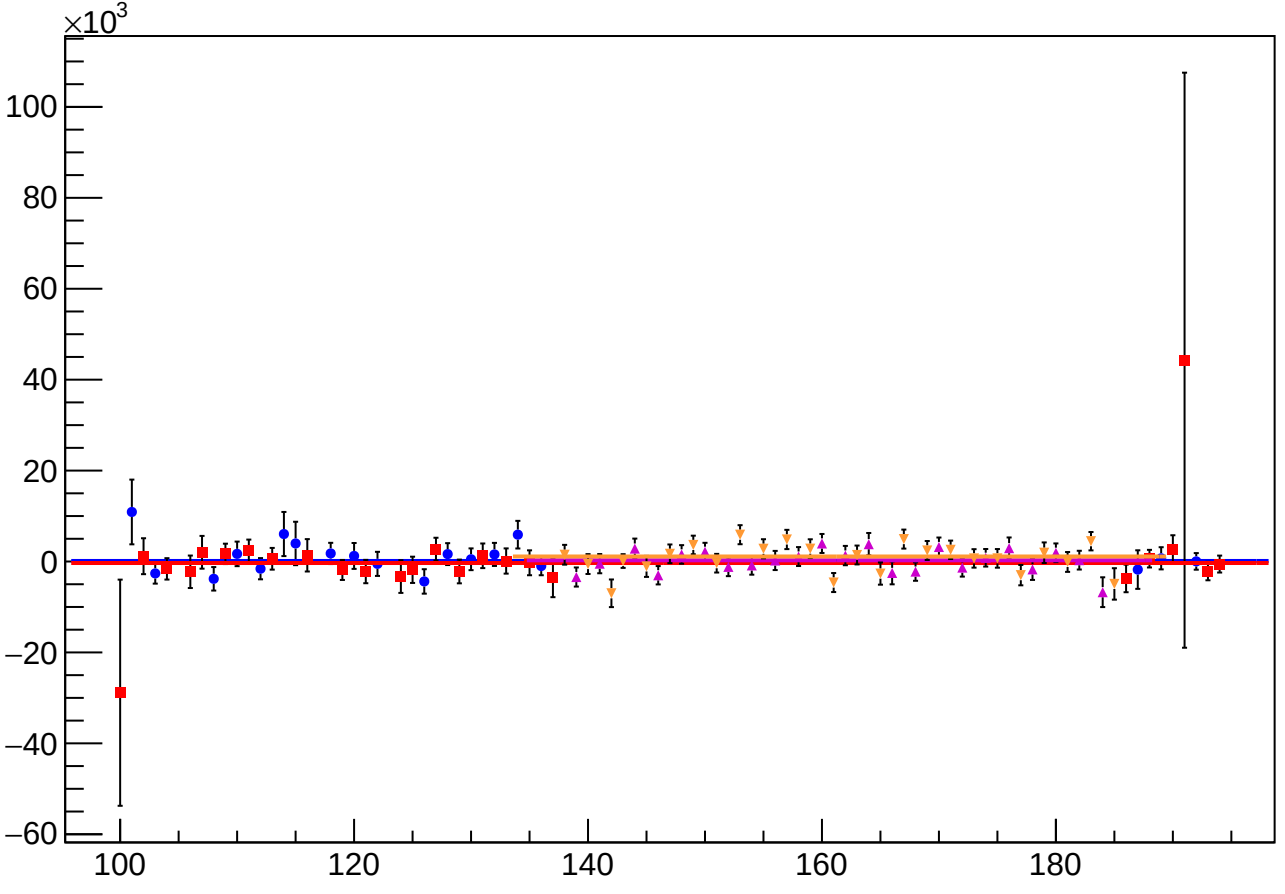
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3652.814+/-0.509 χ^2/NDF: 4527511.6/43

All: 3634.622+/-0.355 χ^2/NDF: 9725439.6/91

- sign 3617.426+/-0.495 χ^2/NDF: 5195443.7/47

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 118.285+/-604.030 χ^2/NDF: 17.5/18

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -330.105+/-546.859 χ^2/NDF: 13.4/24

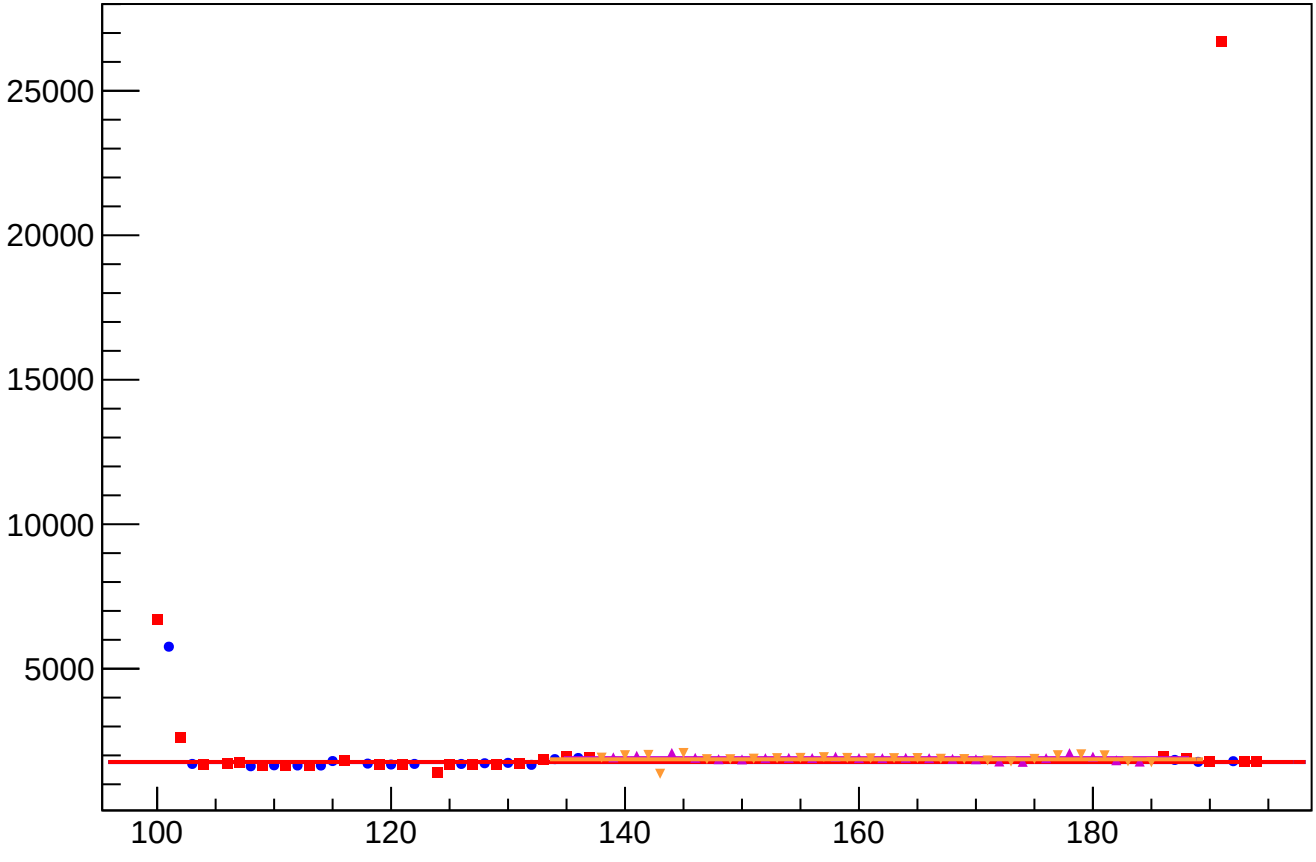
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 776.808+/-347.759 χ^2/NDF: 64.1/43

All: 399.505+/-245.038 χ^2/NDF: 108.3/91

- sign 27.462+/-345.326 χ^2/NDF: 41.8/47

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: 1772.600+/-0.386 χ^2/NDF: 560579.3/24

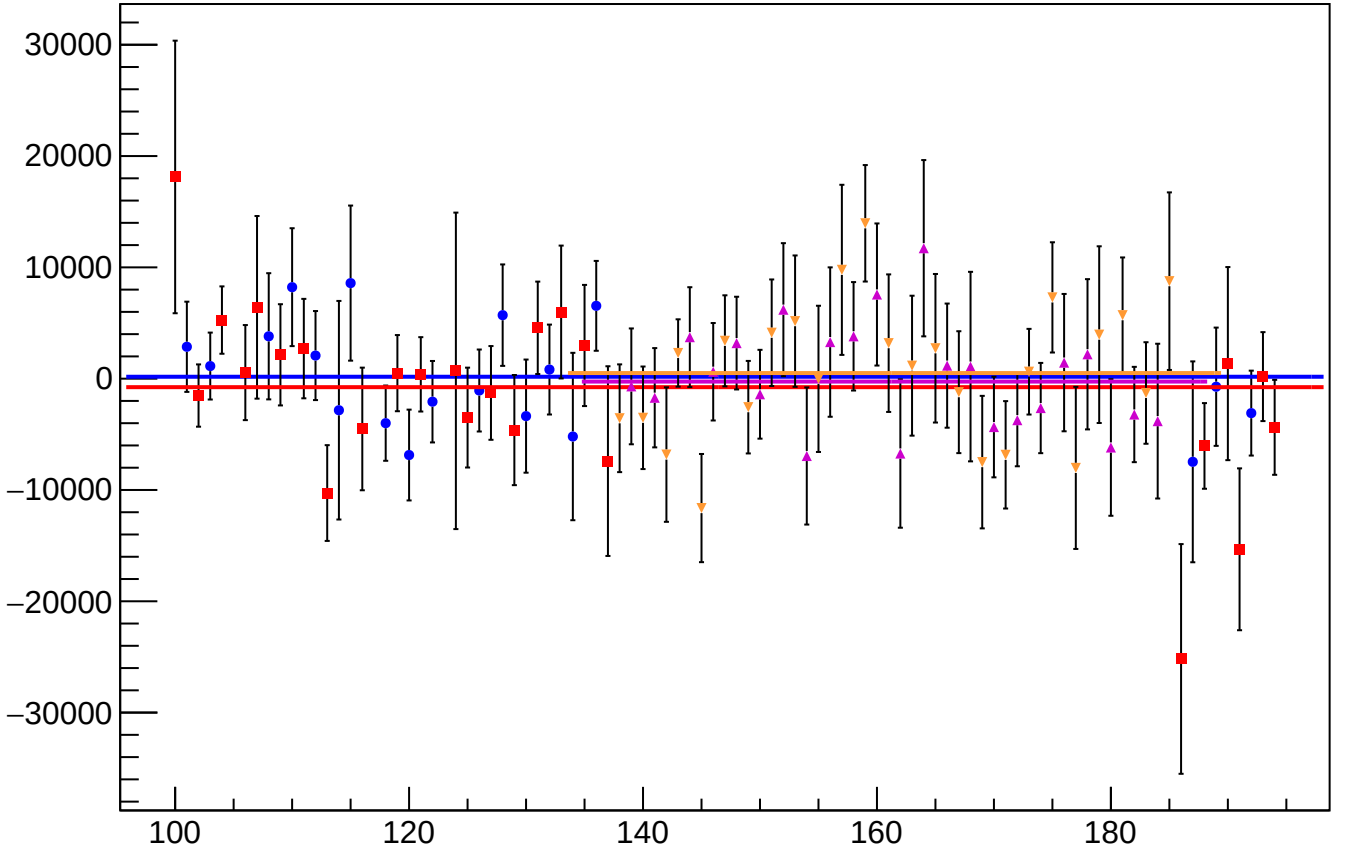
Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1832.947+/-0.246 χ^2/NDF: 997728.7/43

All: 1842.777+/-0.173 χ^2/NDF: 1685593.4/91

- sign 1852.454+/-0.244 χ^2/NDF: 684693.7/47

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

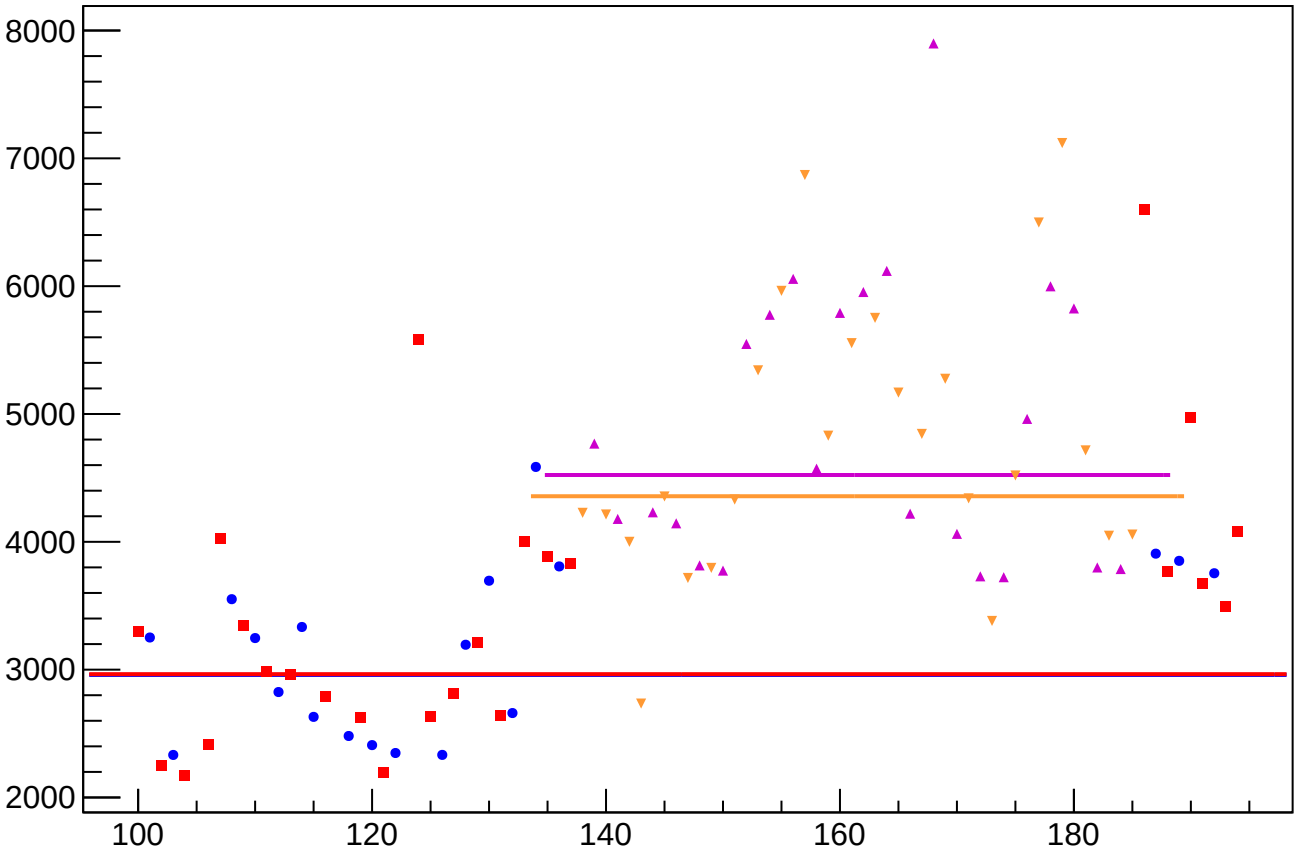
Right Out: -763.391+/-918.245 χ^2/NDF: 31.2/24

Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 337.288+/-719.919 χ^2/NDF: 46.6/43

All: -120.343+/-501.851 χ^2/NDF: 92.3/91

- sign -552.938+/-699.950 χ^2/NDF: 45.0/47



Right In: 2958.715+/-0.717 χ^2/NDF: 730043.2/18

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 2964.642+/-0.649 χ^2/NDF: 1348845.5/24

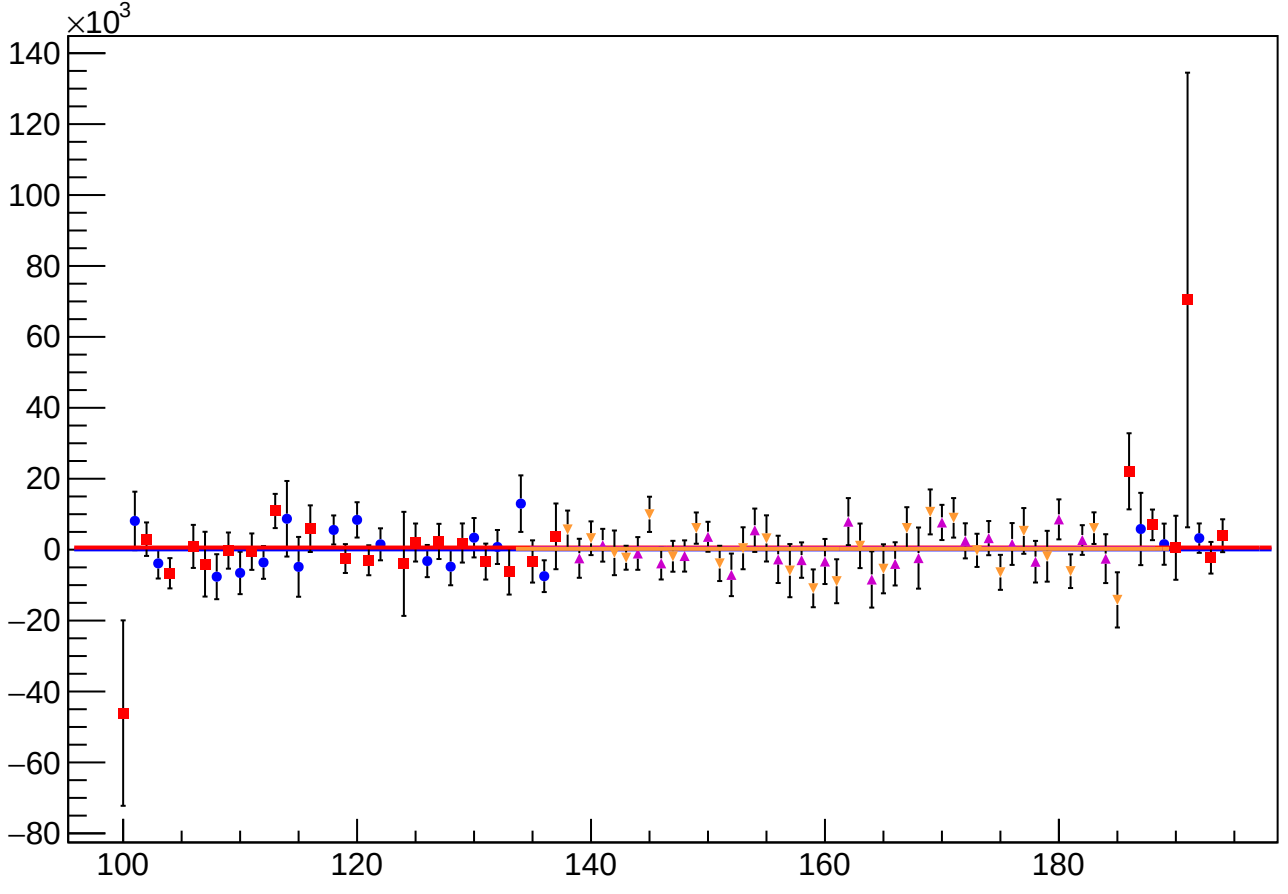
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3652.812+/-0.509 χ^2/NDF: 4527562.5/43

All: 3634.620+/-0.355 χ^2/NDF: 9725532.1/91

- sign 3617.424+/-0.495 χ^2/NDF: 5195485.4/47

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: 598.506+/-1127.862 χ^2/NDF: 24.1/24

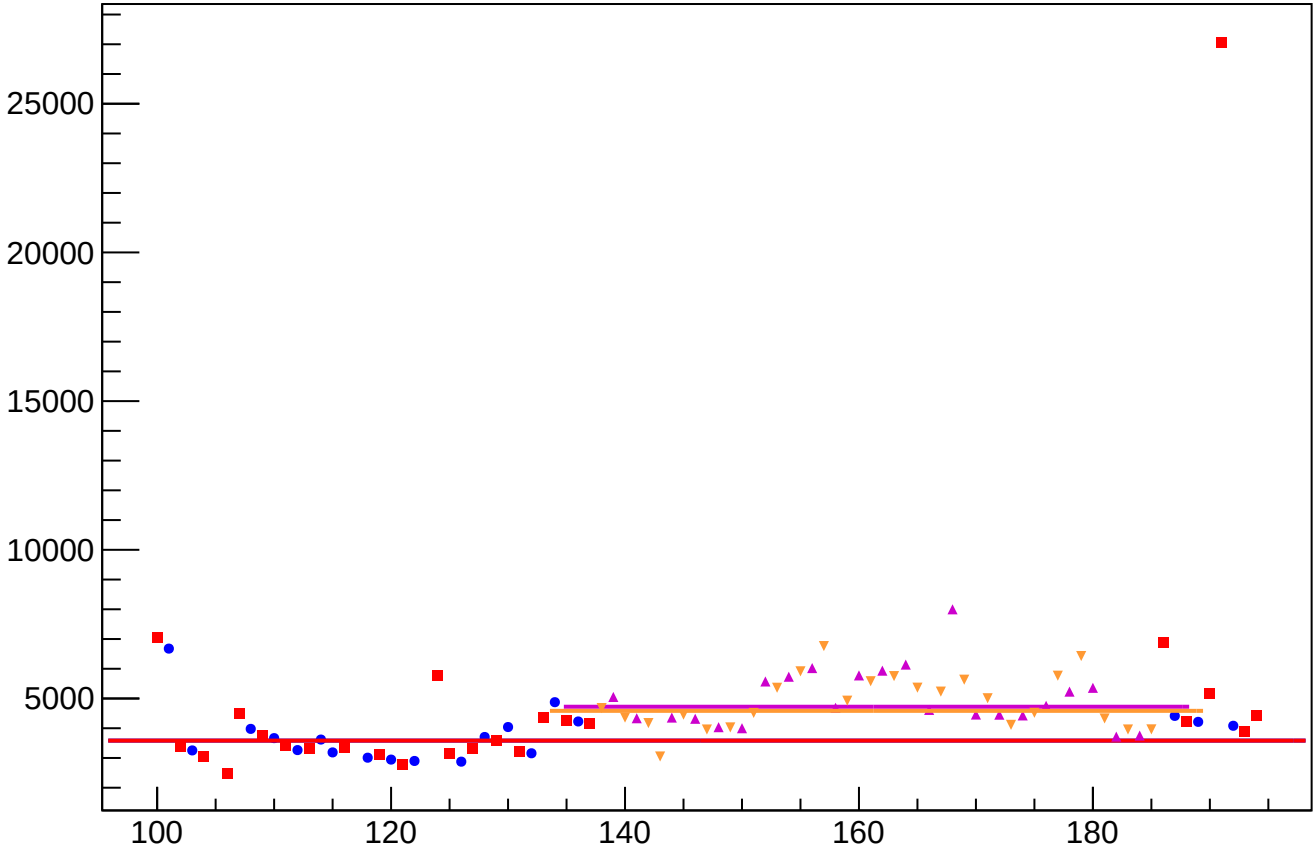
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign 169.486+/-803.894 χ^2/NDF: 51.2/43

All: 335.333+/-565.339 χ^2/NDF: 89.6/91

- sign 497.610+/-795.197 χ^2/NDF: 38.3/47

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

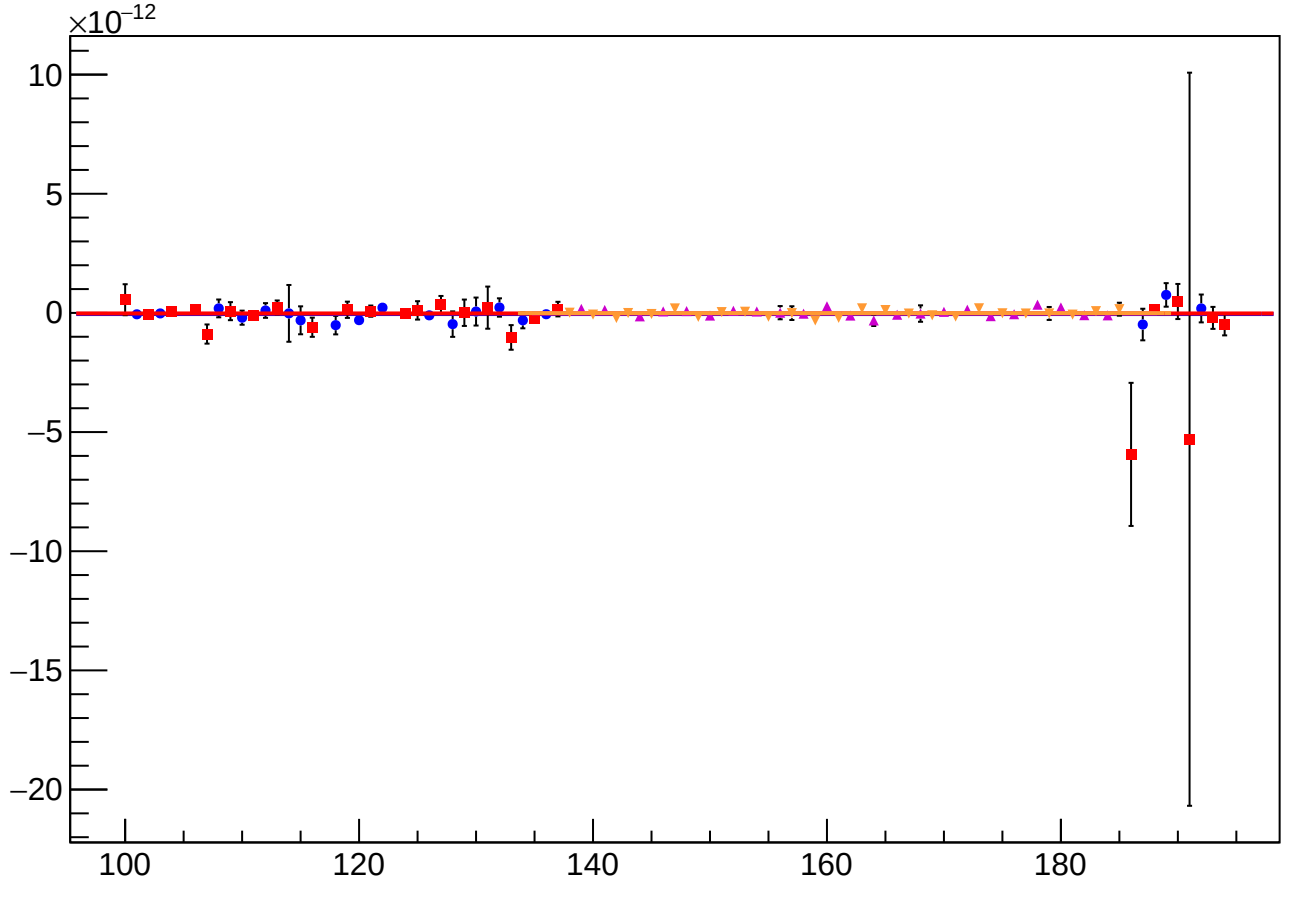
Right Out: 3583.618+/-0.789 χ^2/NDF: 1088450.9/24

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4154.662+/-0.568 χ^2/NDF: 2743247.2/43

All: 4152.474+/-0.399 χ^2/NDF: 5886197.5/91

- sign 4150.358+/-0.559 χ^2/NDF: 3142921.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 11.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/24

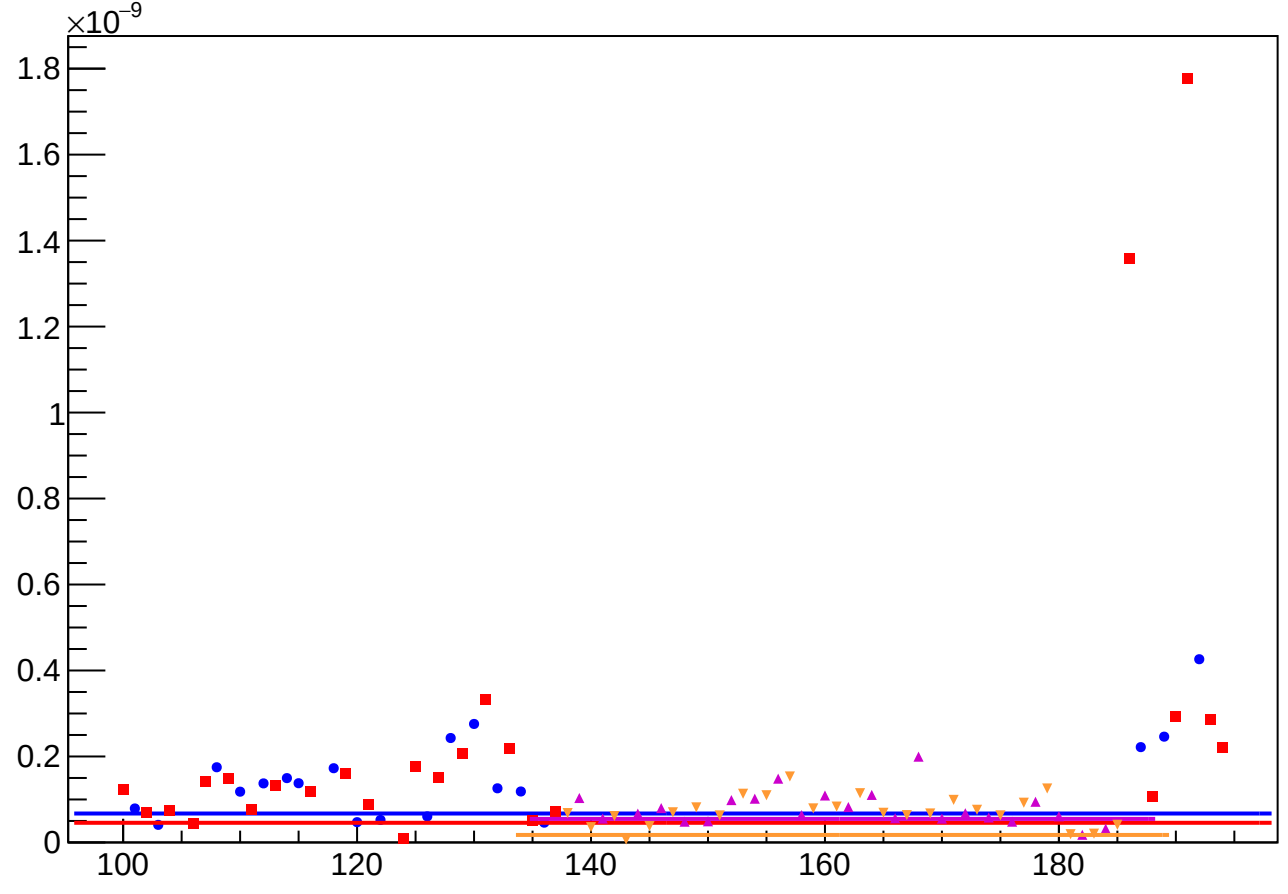
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.3/43

All: -0.000+/-0.000 χ^2/NDF: 86.3/91

- sign -0.000+/-0.000 χ^2/NDF: 50.9/47

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: 4859293.2/24

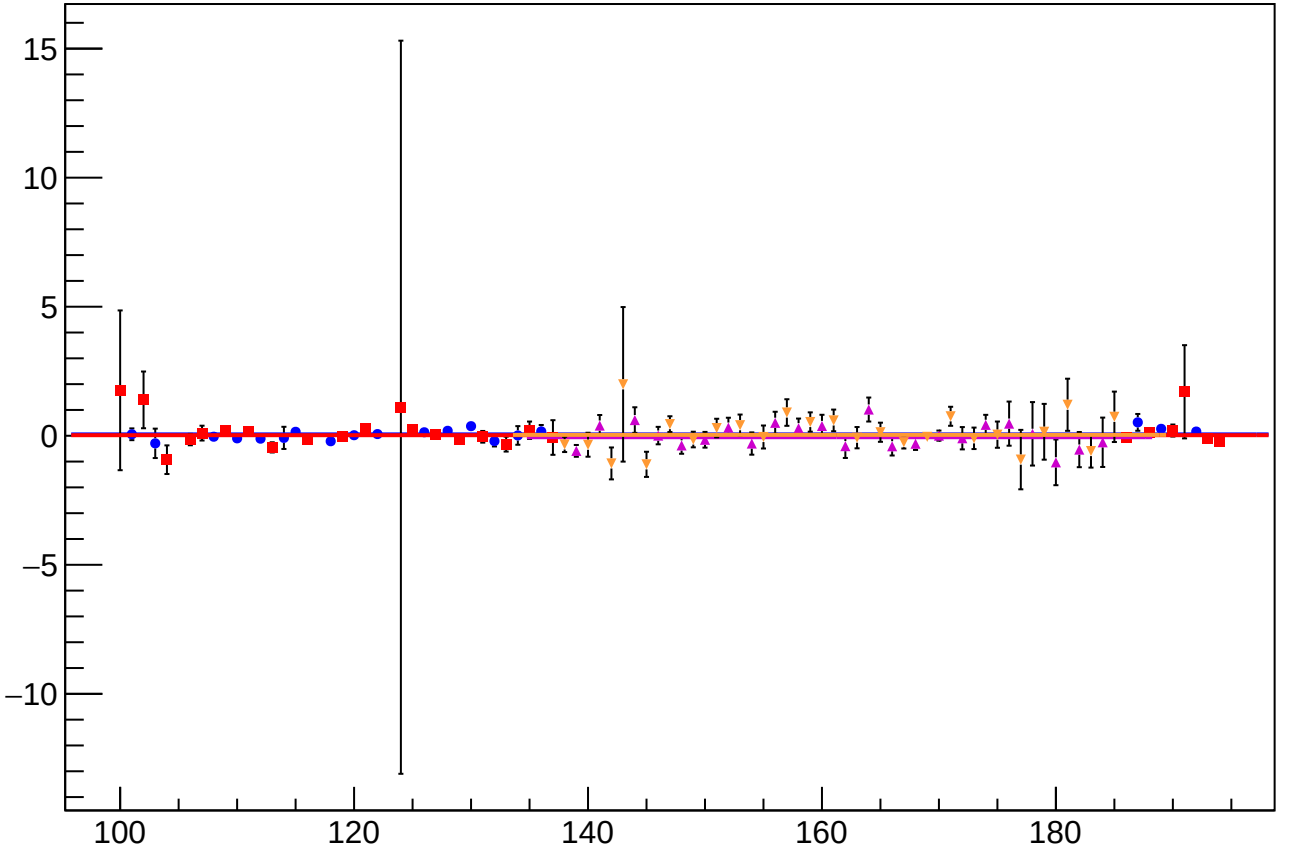
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 13846855.6/43

All: 0.000+/-0.000 χ^2/NDF: 25456313.8/91

- sign 0.000+/-0.000 χ^2/NDF: 7749727.6/47

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: 0.022+/-0.037 χ^2/NDF: 28.1/24

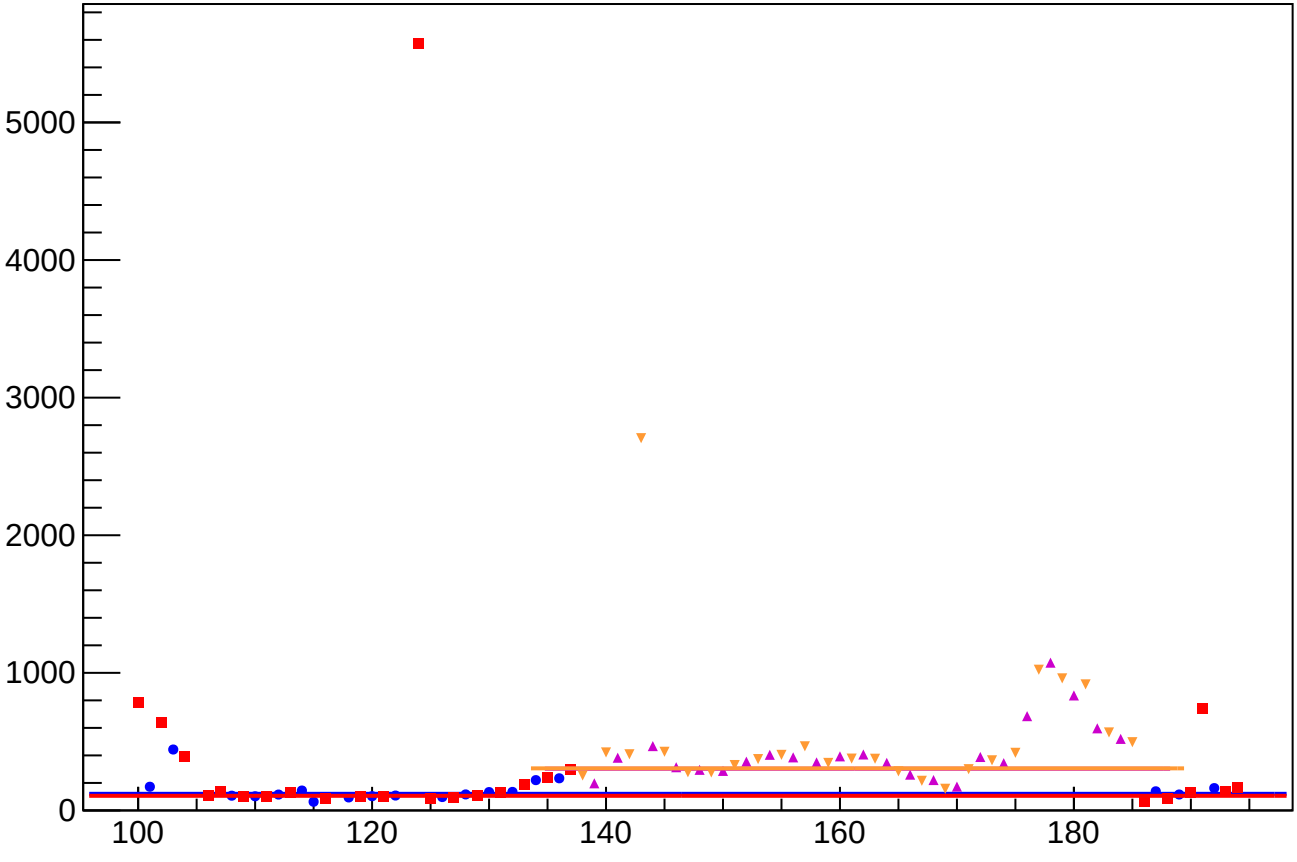
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.048+/-0.038 χ^2/NDF: 47.1/43

All: 0.025+/-0.025 χ^2/NDF: 102.7/91

- sign 0.008+/-0.033 χ^2/NDF: 55.0/47

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: 106.465+/-0.026 χ^2/NDF: 3225175.9/24

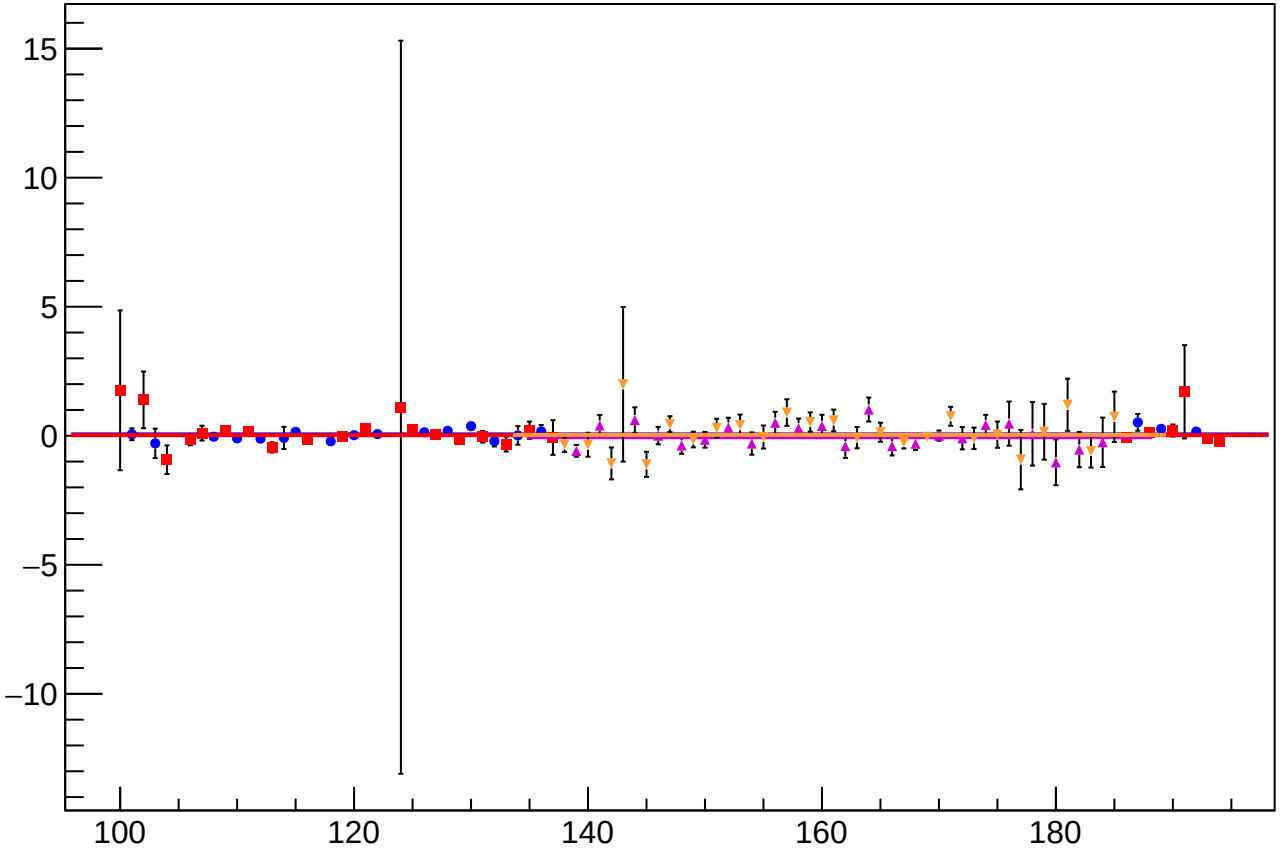
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.606+/-0.027 χ^2/NDF: 17044509.2/43

All: 152.308+/-0.018 χ^2/NDF: 36098411.4/91

- sign 142.418+/-0.023 χ^2/NDF: 18633745.3/47

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: 0.022+/-0.037 χ^2/NDF: 28.1/24

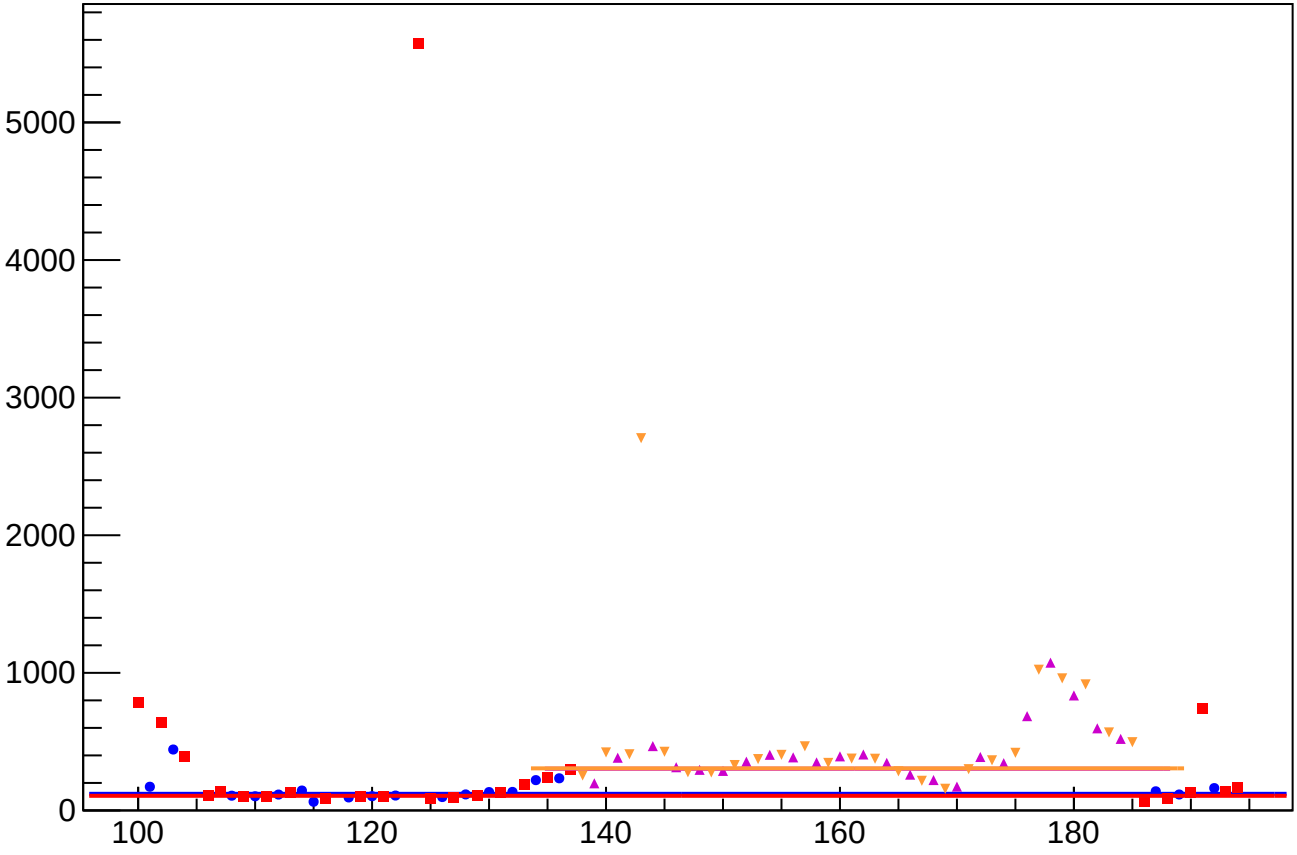
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.048+/-0.038 χ^2/NDF: 47.1/43

All: 0.025+/-0.025 χ^2/NDF: 102.7/91

- sign 0.008+/-0.033 χ^2/NDF: 55.0/47

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

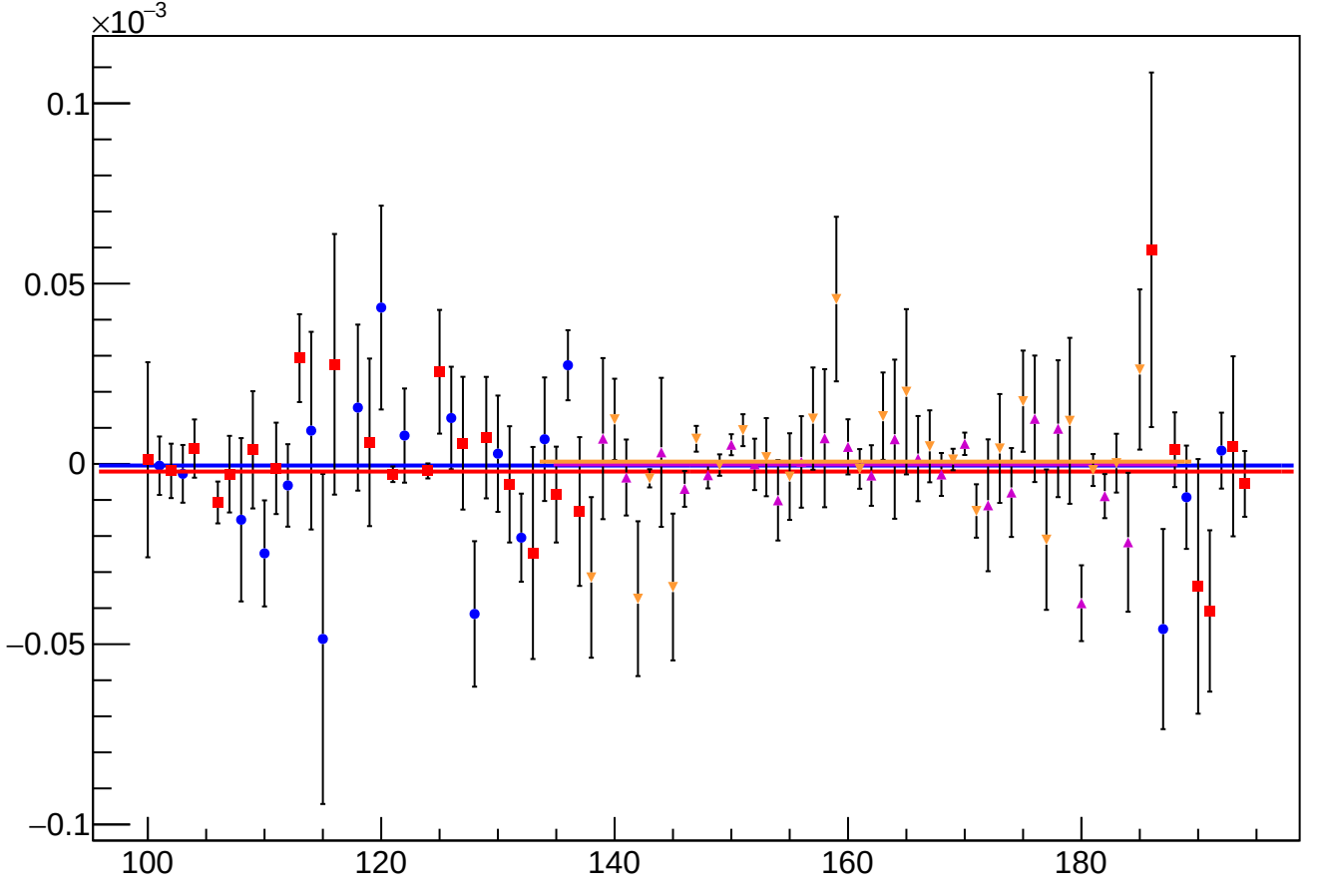
Right Out: 106.465+/-0.026 χ^2/NDF: 3225175.9/24

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 165.606+/-0.027 χ^2/NDF: 17044509.2/43

All: 152.308+/-0.018 χ^2/NDF: 36098411.4/91

- sign 142.418+/-0.023 χ^2/NDF: 18633745.3/47



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: 20.7/24

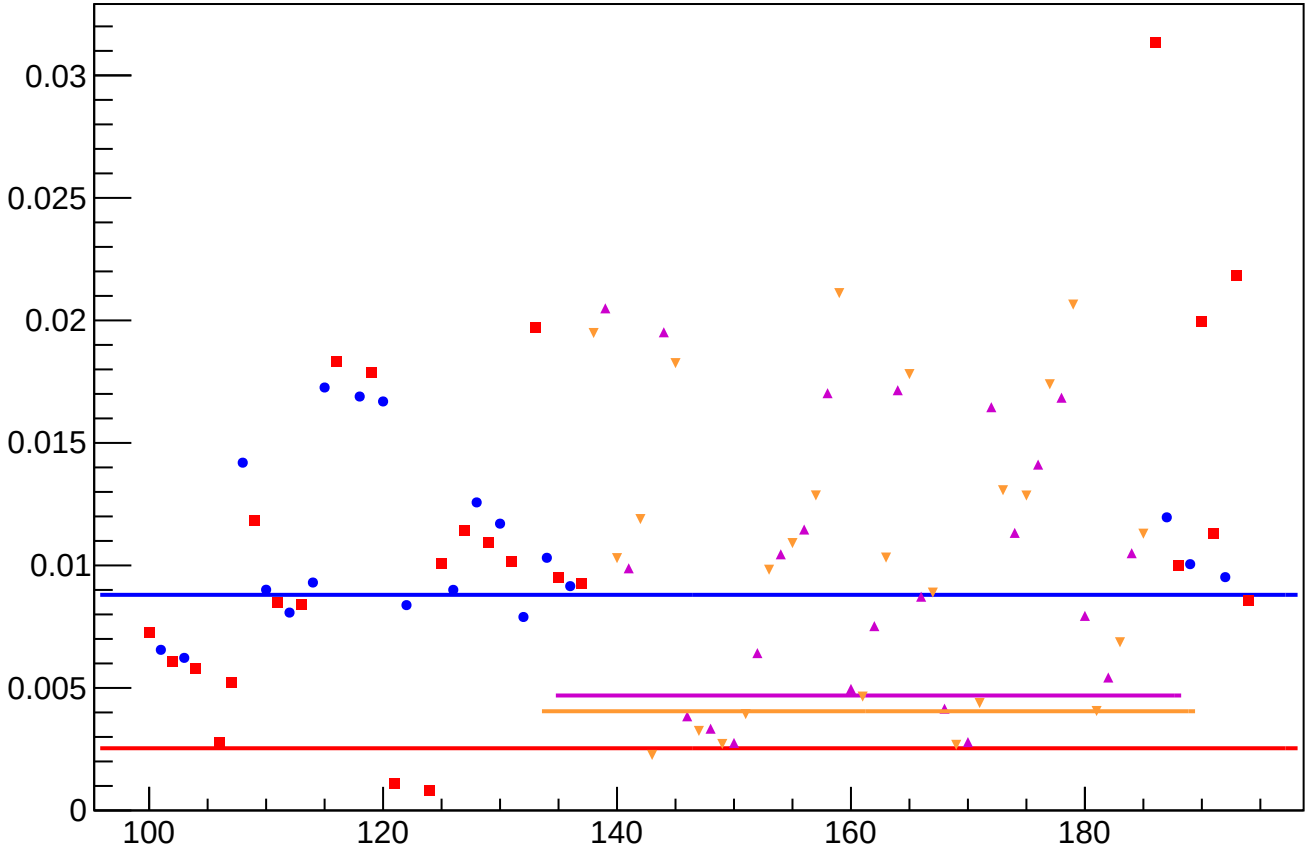
Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.1/43

All: -0.000+/-0.000 χ^2/NDF: 115.0/91

- sign -0.000+/-0.000 χ^2/NDF: 51.6/47

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: 0.003+/-0.000 χ^2/NDF: 13849490.0/24

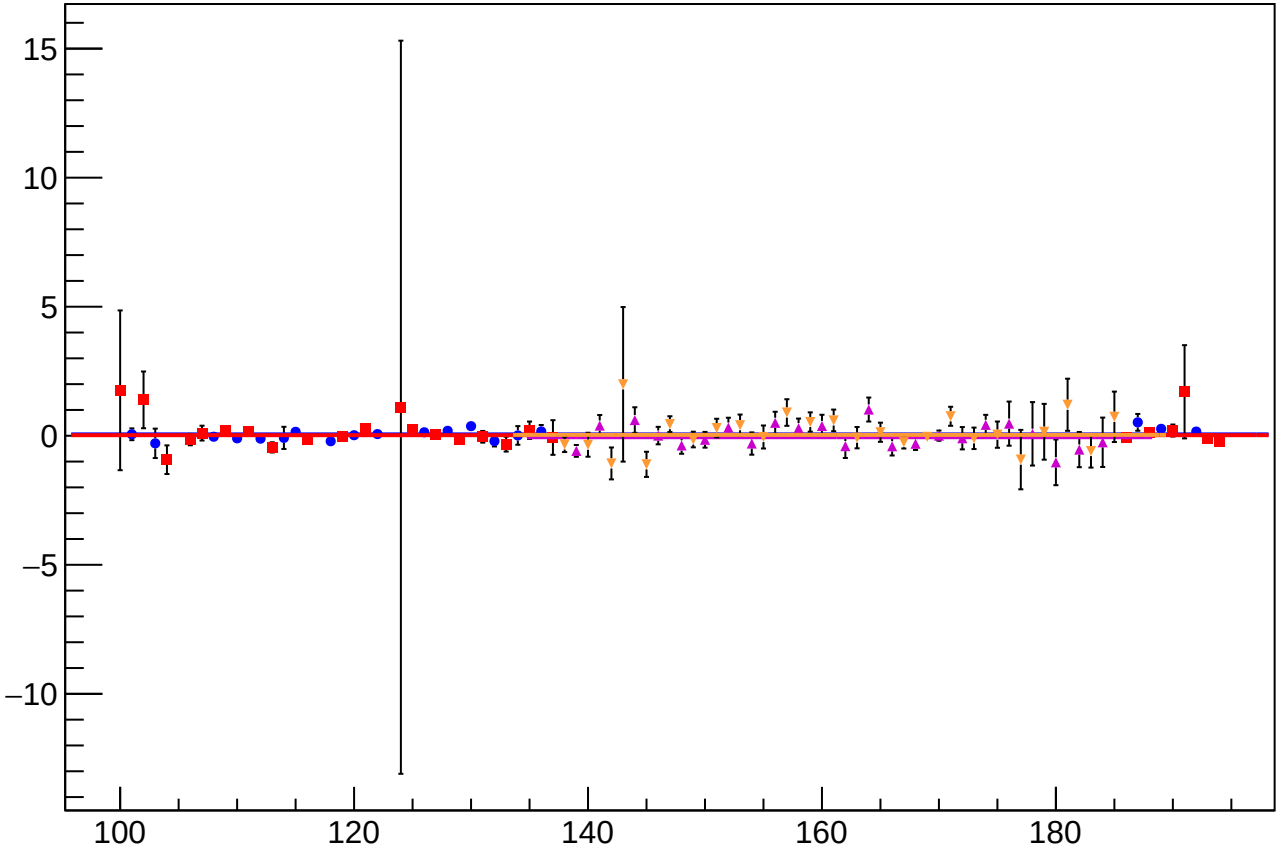
Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 18779580.0/43

All: 0.004+/-0.000 χ^2/NDF: 47170931.1/91

- sign 0.004+/-0.000 χ^2/NDF: 27235682.4/47

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.052+/-0.044 χ^2/NDF: 16.6/18

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.022+/-0.037 χ^2/NDF: 28.1/24

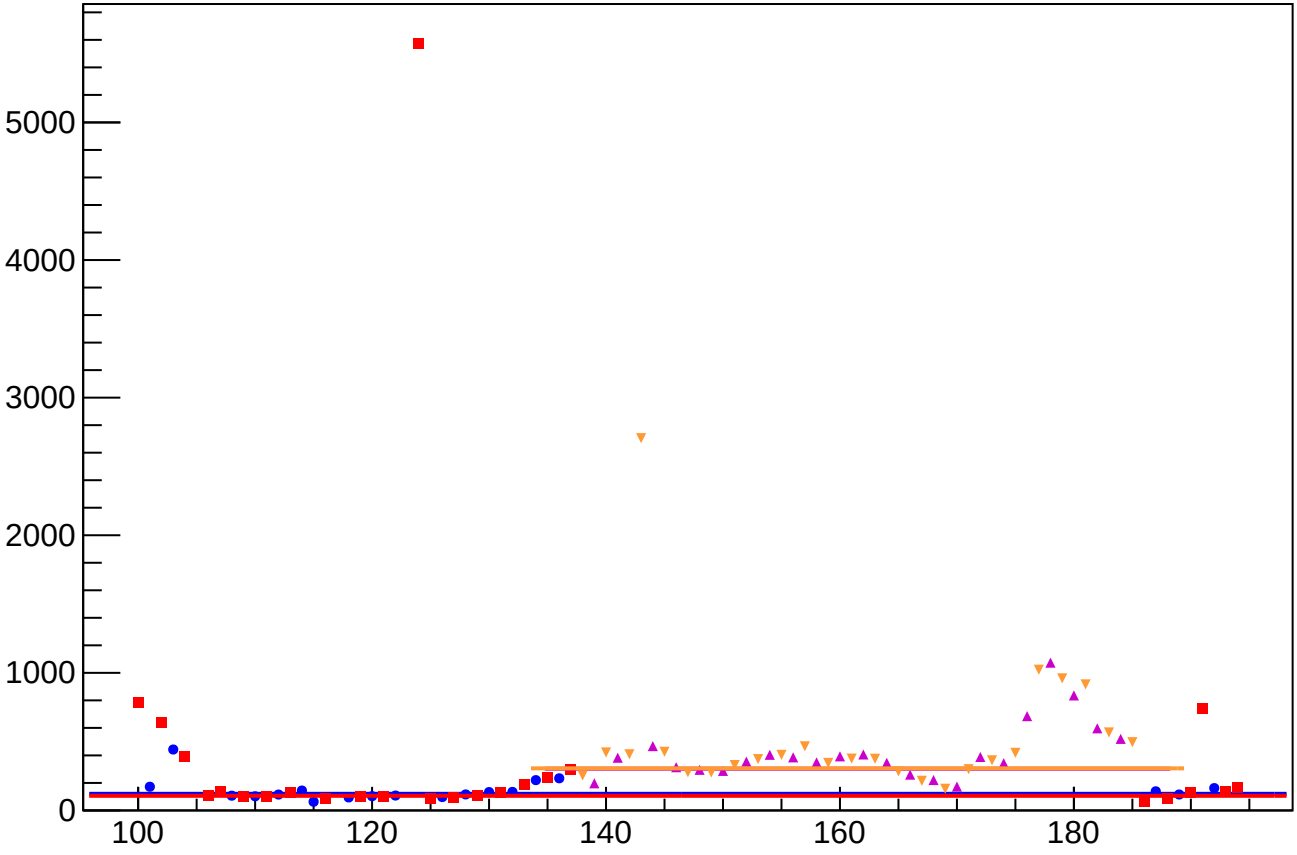
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.048+/-0.038 χ^2/NDF: 47.1/43

All: 0.025+/-0.025 χ^2/NDF: 102.7/91

- sign 0.008+/-0.033 χ^2/NDF: 55.0/47

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

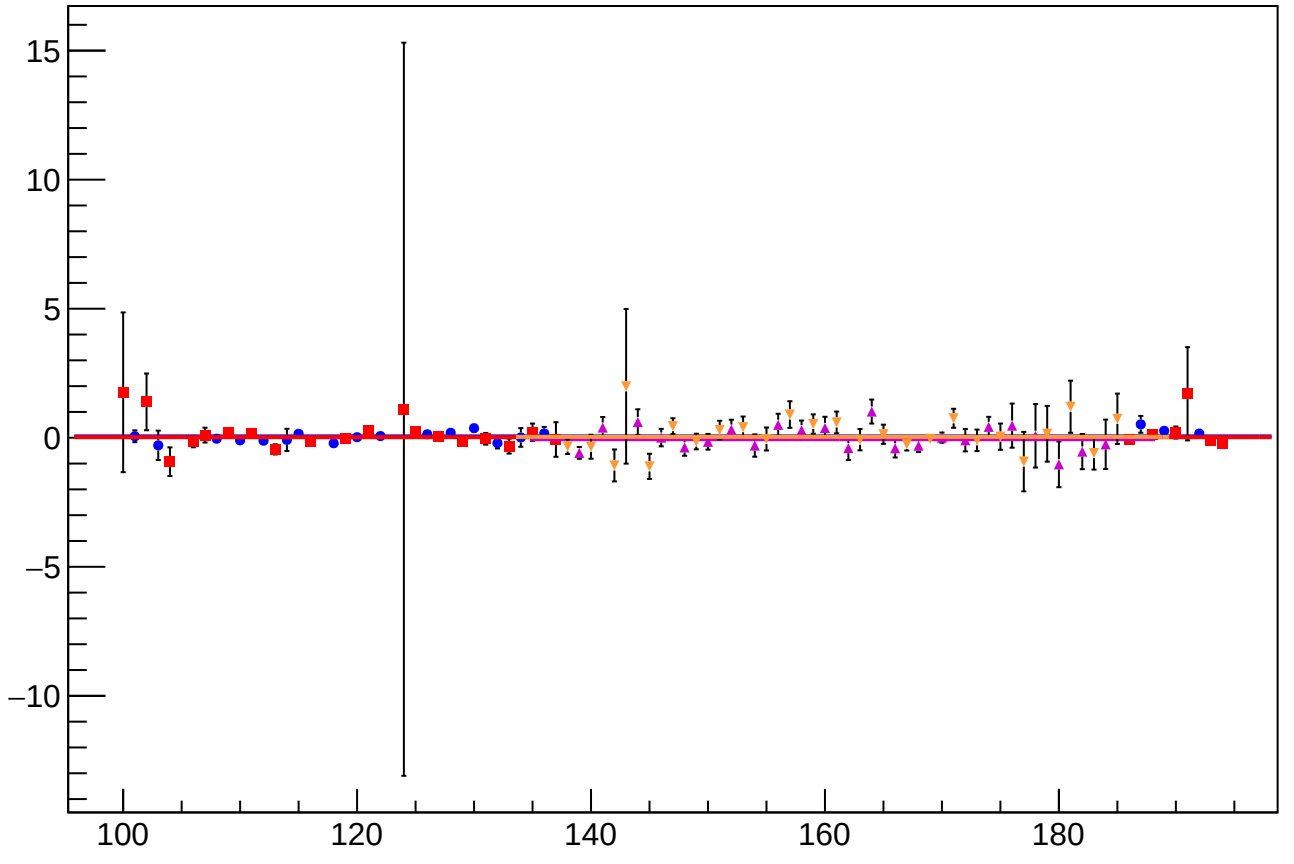
Right Out: 106.466+/-0.026 χ^2/NDF: 3225032.0/24

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.607+/-0.027 χ^2/NDF: 17044586.2/43

All: 152.309+/-0.018 χ^2/NDF: 36098330.1/91

- sign 142.419+/-0.023 χ^2/NDF: 18633612.8/47



Right In: 0.052+/-0.044 χ^2/NDF: 16.6/18

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

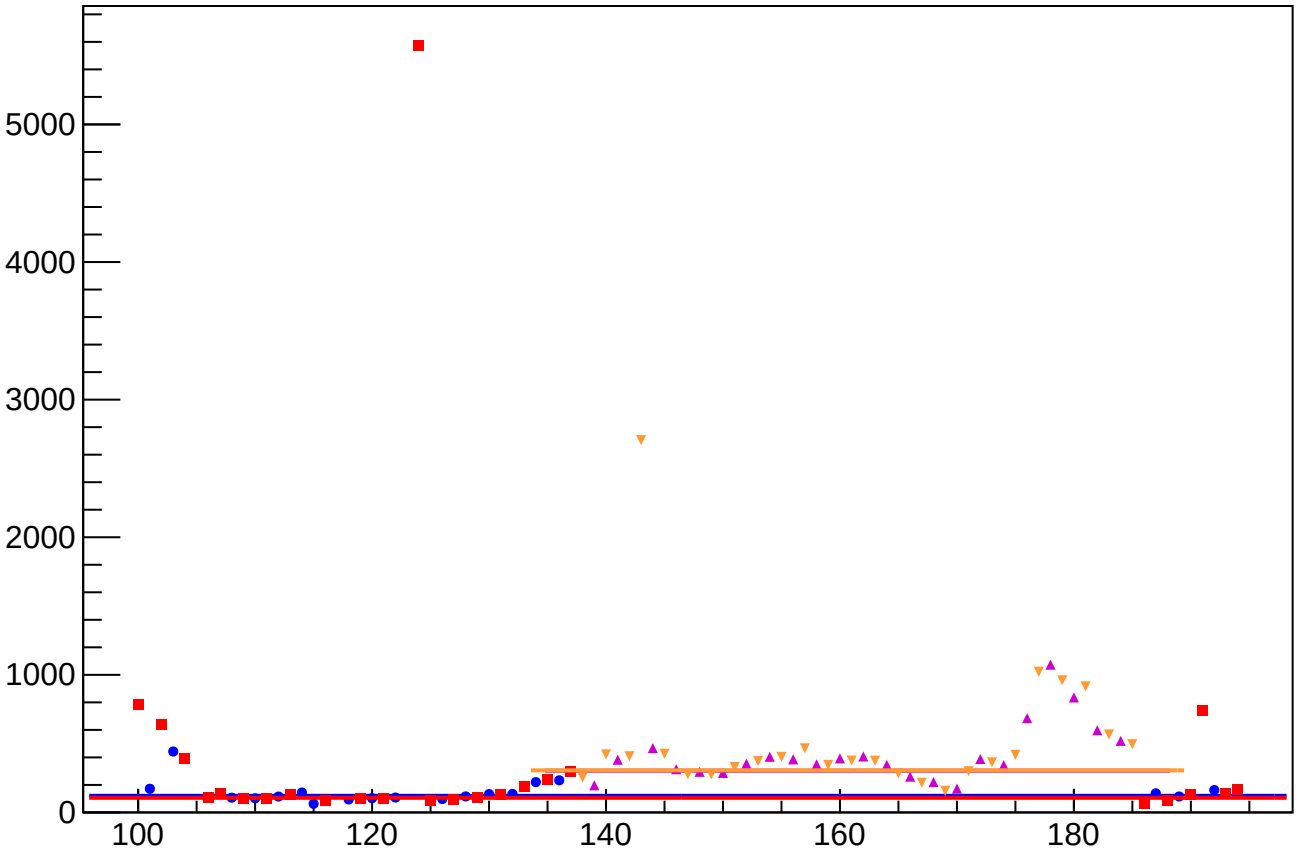
Right Out: 0.022+/-0.037 χ^2/NDF: 28.1/24

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.048+/-0.038 χ^2/NDF: 47.1/43

All: 0.025+/-0.025 χ^2/NDF: 102.7/91

- sign 0.008+/-0.033 χ^2/NDF: 55.0/47



Right In: 120.884+/-0.031 χ^2/NDF: 1857664.7/18

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

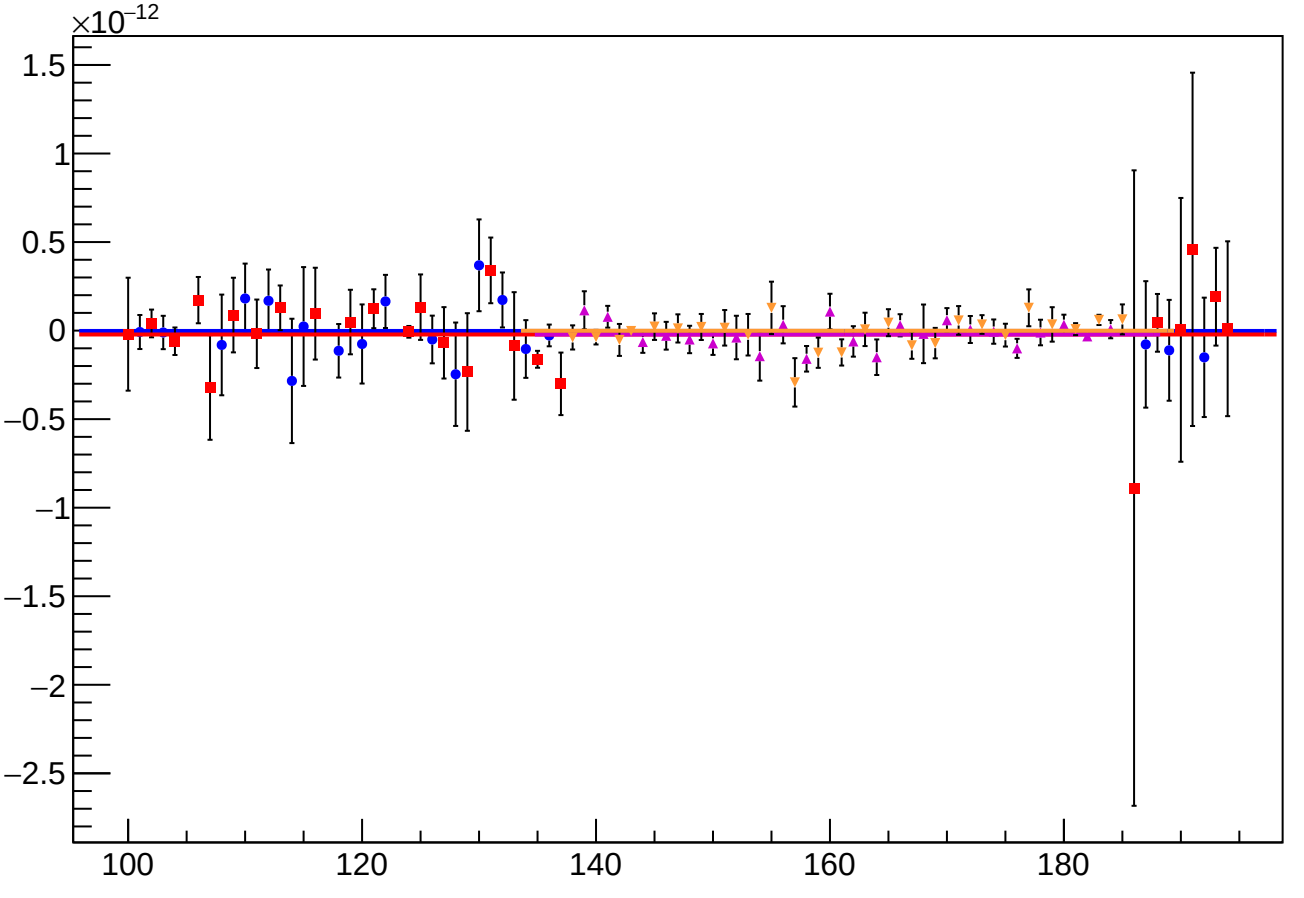
Right Out: 106.466+/-0.026 χ^2/NDF: 3225032.0/24

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 165.607+/-0.027 χ^2/NDF: 17044586.2/43

All: 152.309+/-0.018 χ^2/NDF: 36098330.1/91

- sign 142.419+/-0.023 χ^2/NDF: 18633612.8/47



Right In: -0.000+/-0.000 χ^2/NDF: 9.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

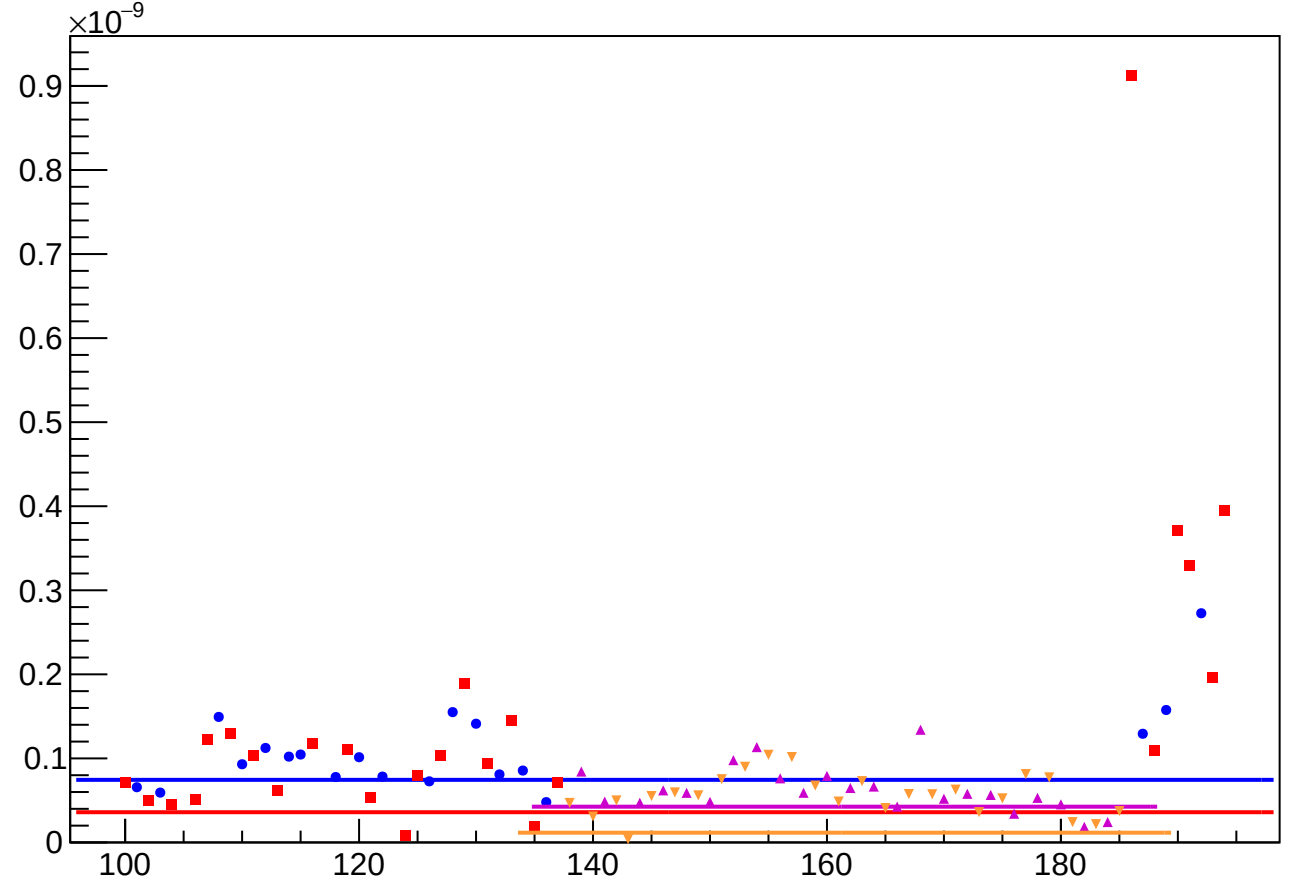
Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/24

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 31.5/43

All: -0.000+/-0.000 χ^2/NDF: 79.3/91

- sign -0.000+/-0.000 χ^2/NDF: 45.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 1956975.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7696187.3/24

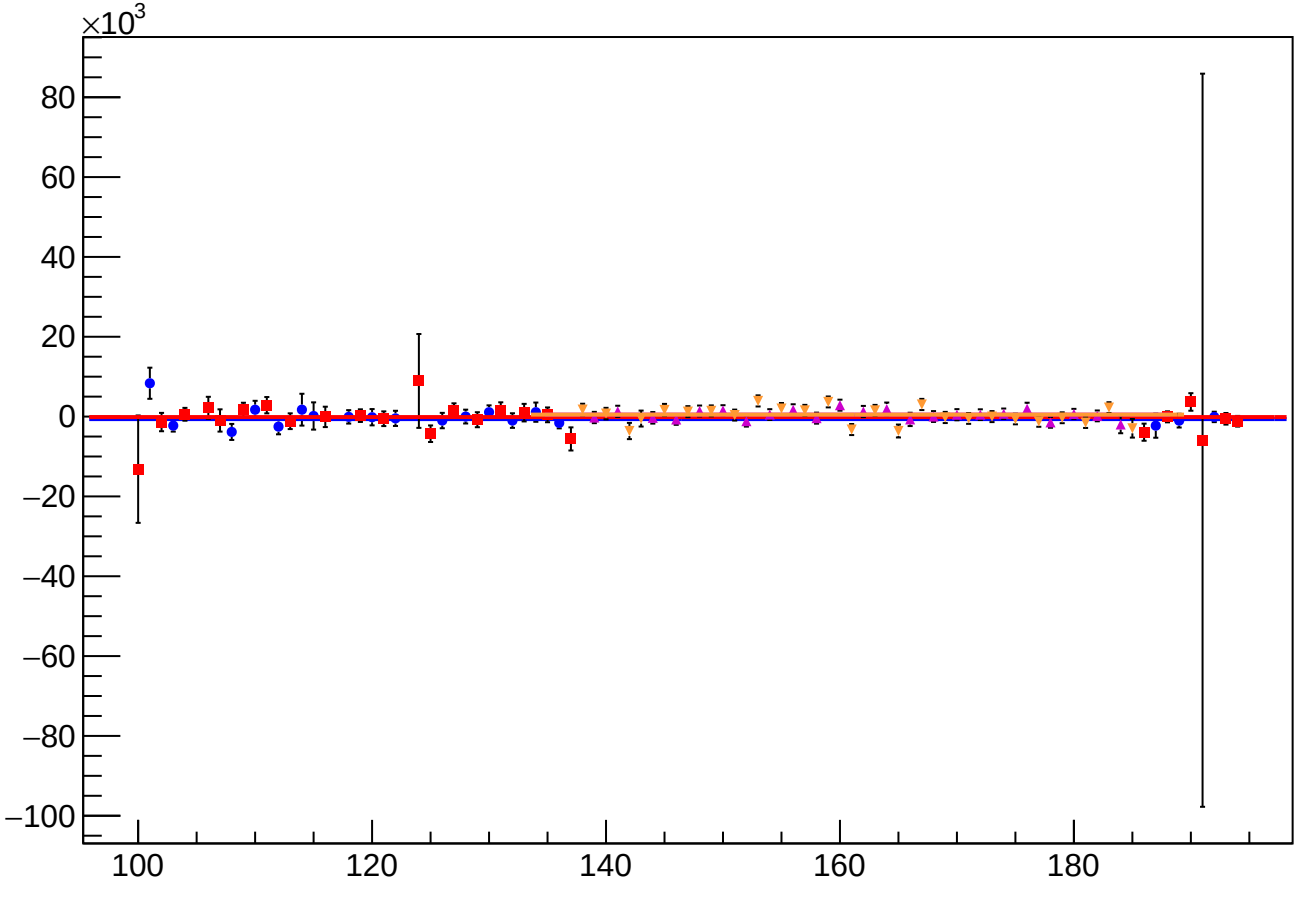
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 26507636.2/43

All: 0.000+/-0.000 χ^2/NDF: 49030807.8/91

- sign 0.000+/-0.000 χ^2/NDF: 13253781.2/47

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: -122.782+/-402.054 χ^2/NDF: 22.8/24

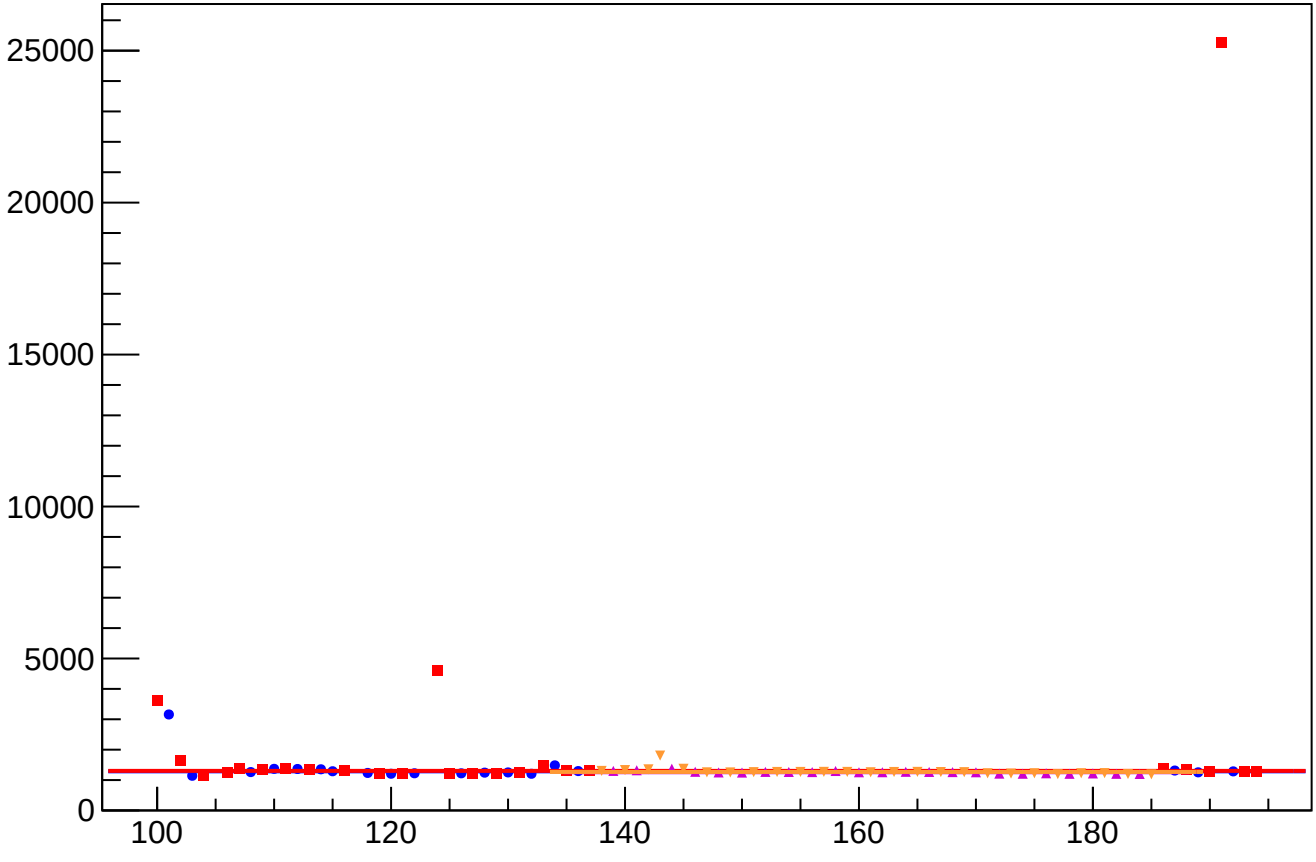
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 152.432+/-240.862 χ^2/NDF: 65.9/43

All: 214.475+/-169.005 χ^2/NDF: 104.8/91

- sign 274.644+/-237.198 χ^2/NDF: 38.7/47

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

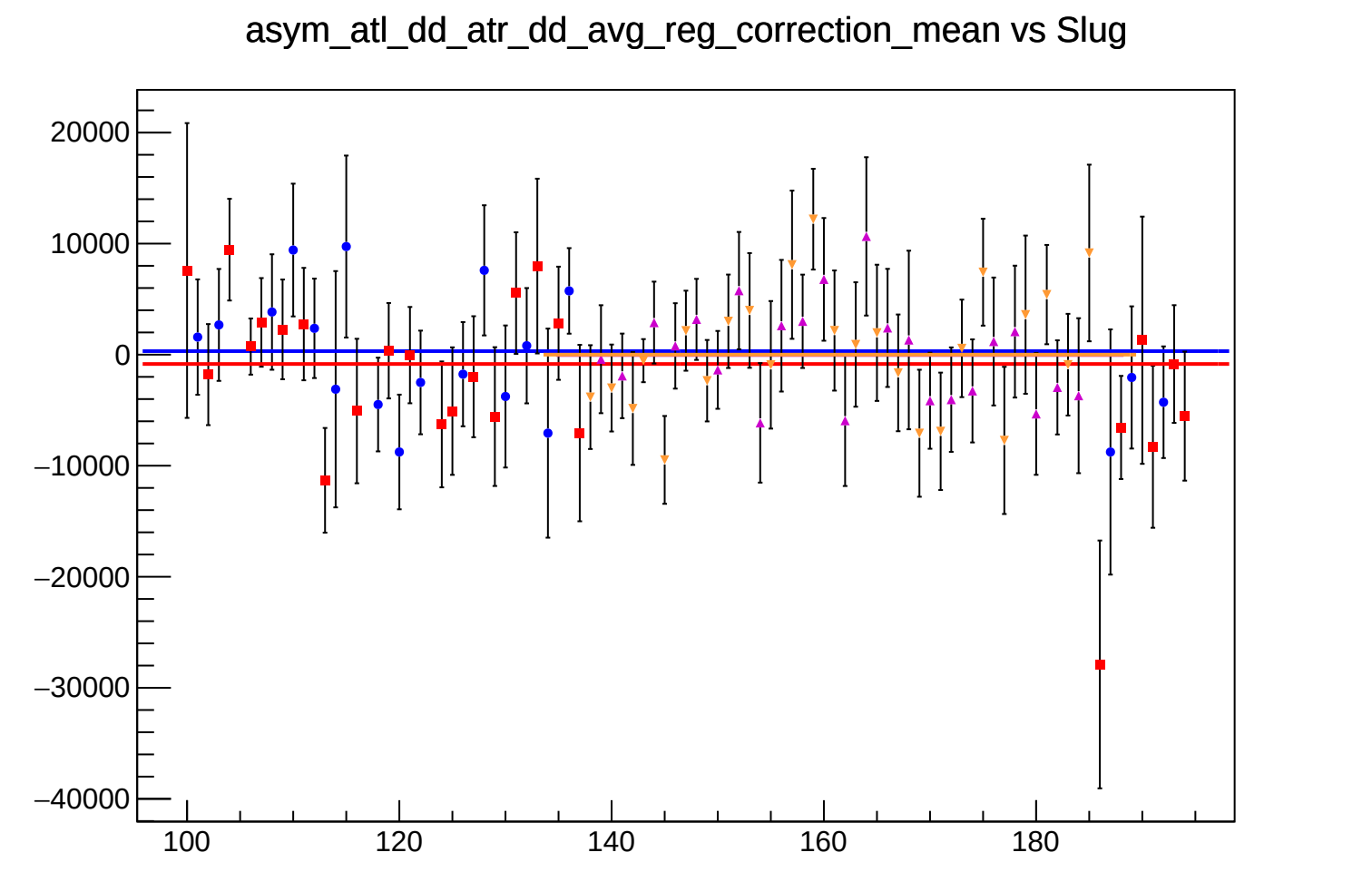
Right Out: 1302.077+/-0.284 χ^2/NDF: 465491.2/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706145.6/43

All: 1273.104+/-0.119 χ^2/NDF: 1224481.7/91

- sign 1273.085+/-0.168 χ^2/NDF: 518336.0/47



Right In: 317.922+/-1248.509 χ^2/NDF: 15.9/18

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

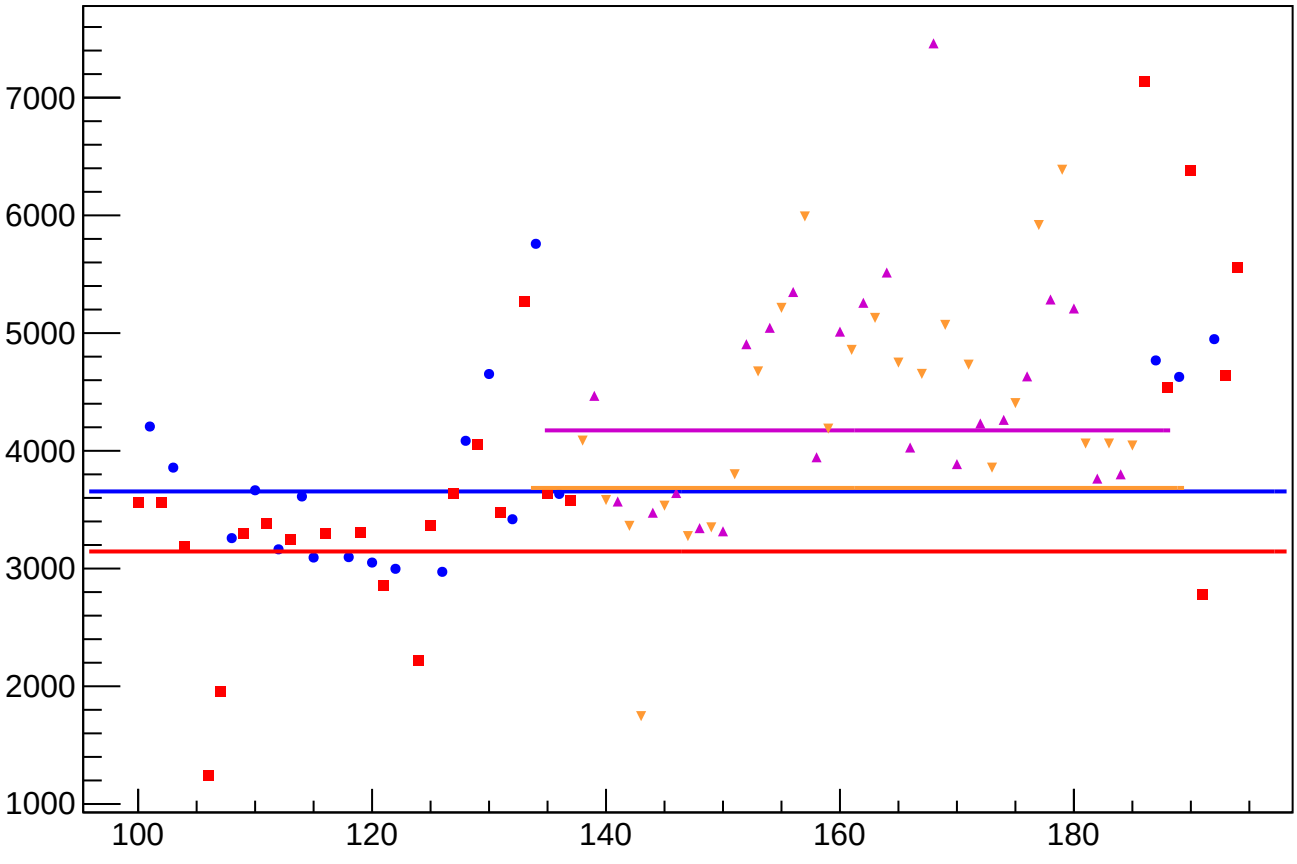
Right Out: -841.152+/-1022.496 χ^2/NDF: 28.2/24

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 106.157+/-722.814 χ^2/NDF: 45.0/43

All: -163.214+/-507.682 χ^2/NDF: 87.8/91

- sign -425.483+/-713.222 χ^2/NDF: 42.5/47



Right In: 3655.027+/-0.883 χ^2/NDF: 577740.2/18

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3144.971+/-0.723 χ^2/NDF: 2757144.2/24

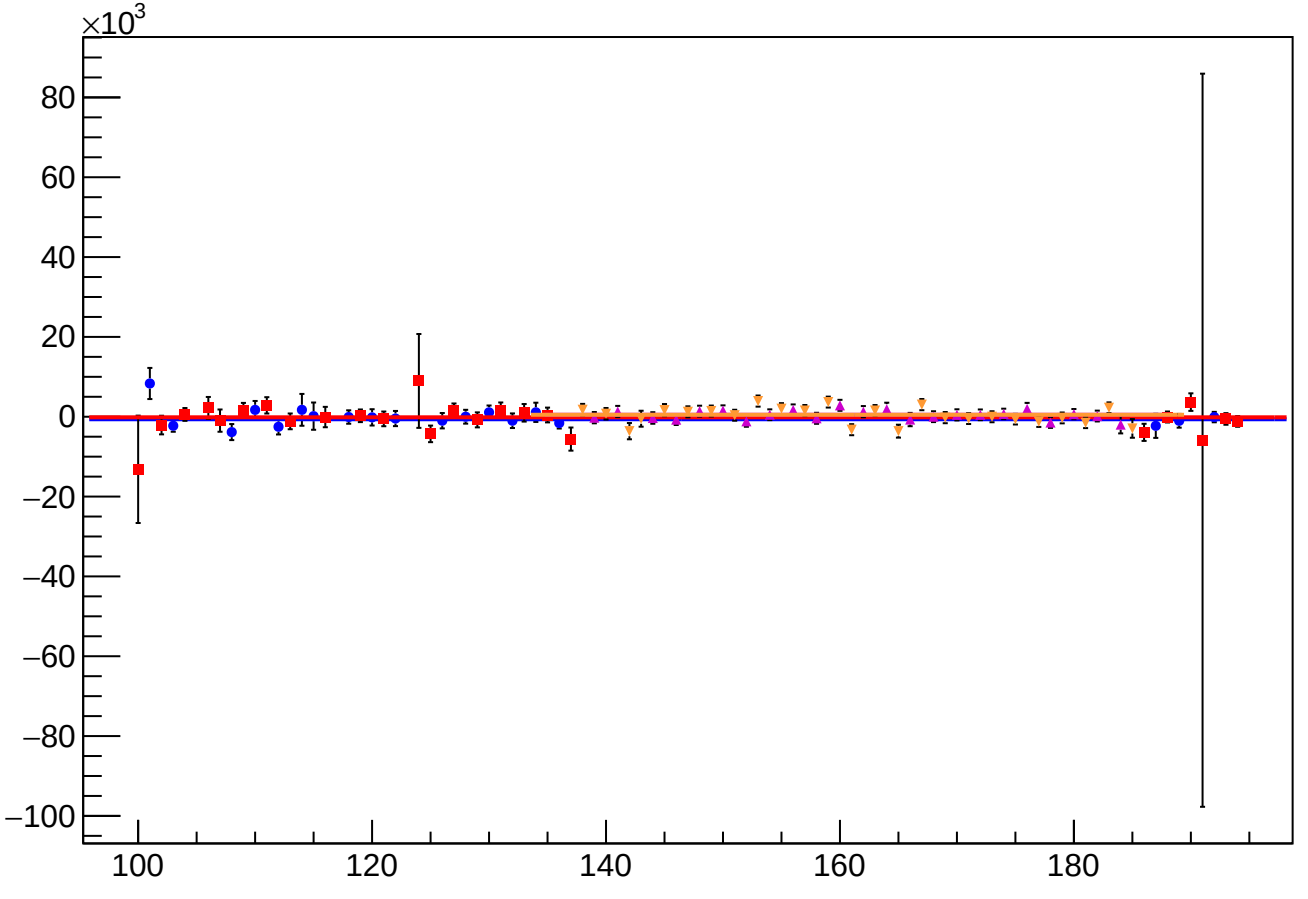
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3674.800+/-0.511 χ^2/NDF: 4272141.3/43

All: 3673.938+/-0.359 χ^2/NDF: 9343430.2/91

- sign 3673.099+/-0.504 χ^2/NDF: 5071283.3/47

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: -142.652+/-402.235 χ^2/NDF: 23.2/24

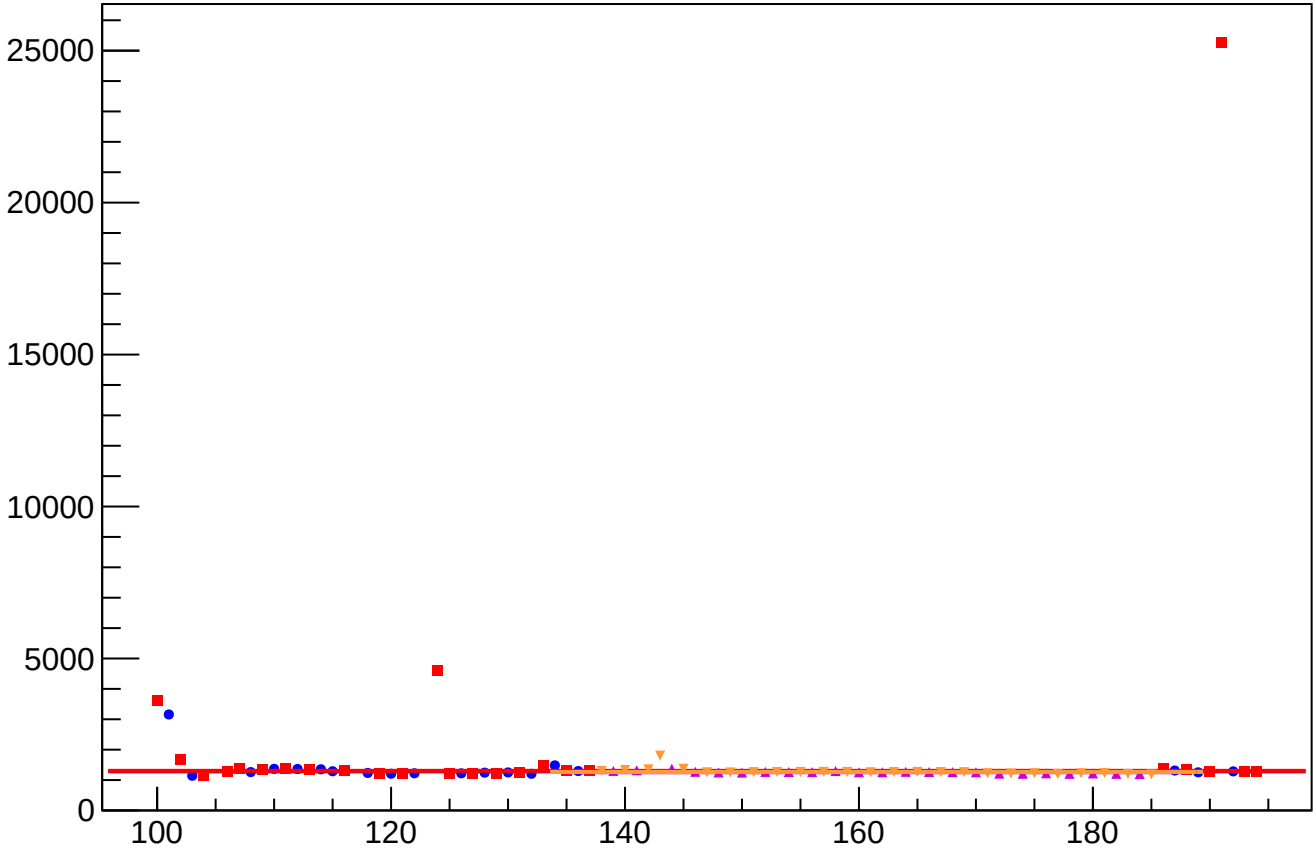
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 210.945+/-169.018 χ^2/NDF: 105.2/91

- sign 267.791+/-237.235 χ^2/NDF: 39.2/47

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

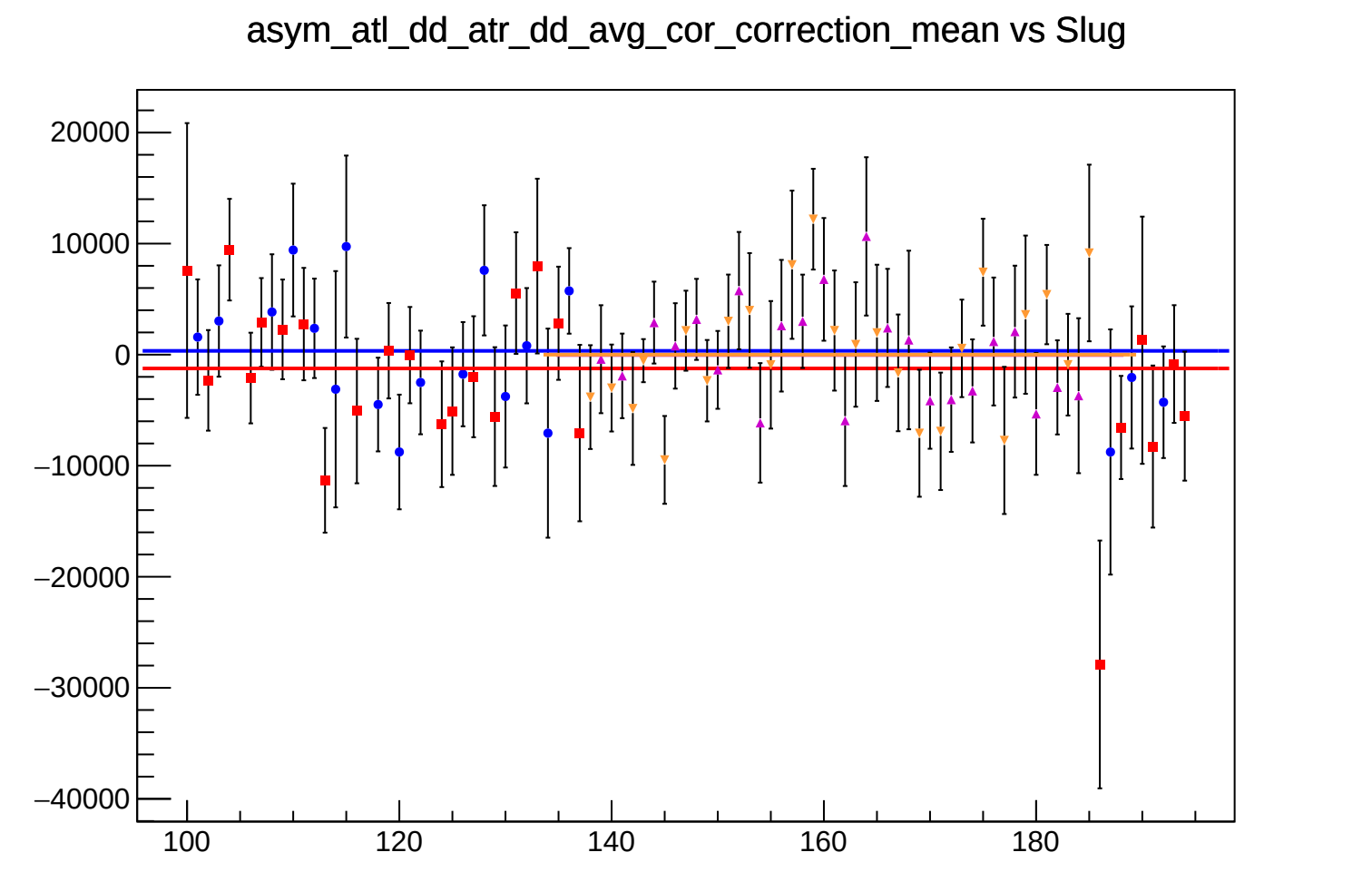
Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.339+/-0.119 χ^2/NDF: 1231904.4/91

- sign 1273.548+/-0.168 χ^2/NDF: 525754.2/47



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

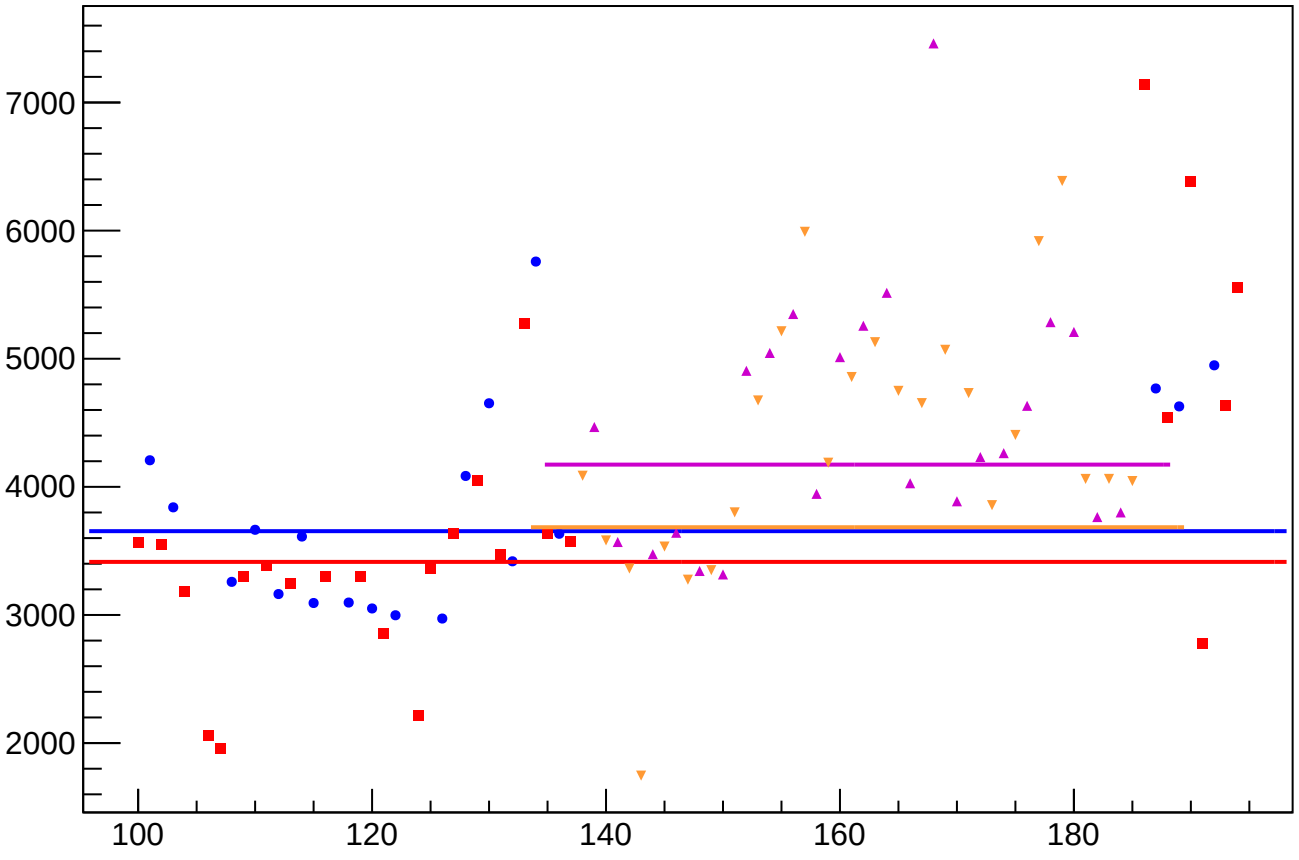
Right Out: -1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 114.011+/-722.740 χ^2/NDF: 45.0/43

All: -233.442+/-514.034 χ^2/NDF: 88.0/91

- sign -589.117+/-731.242 χ^2/NDF: 42.5/47



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

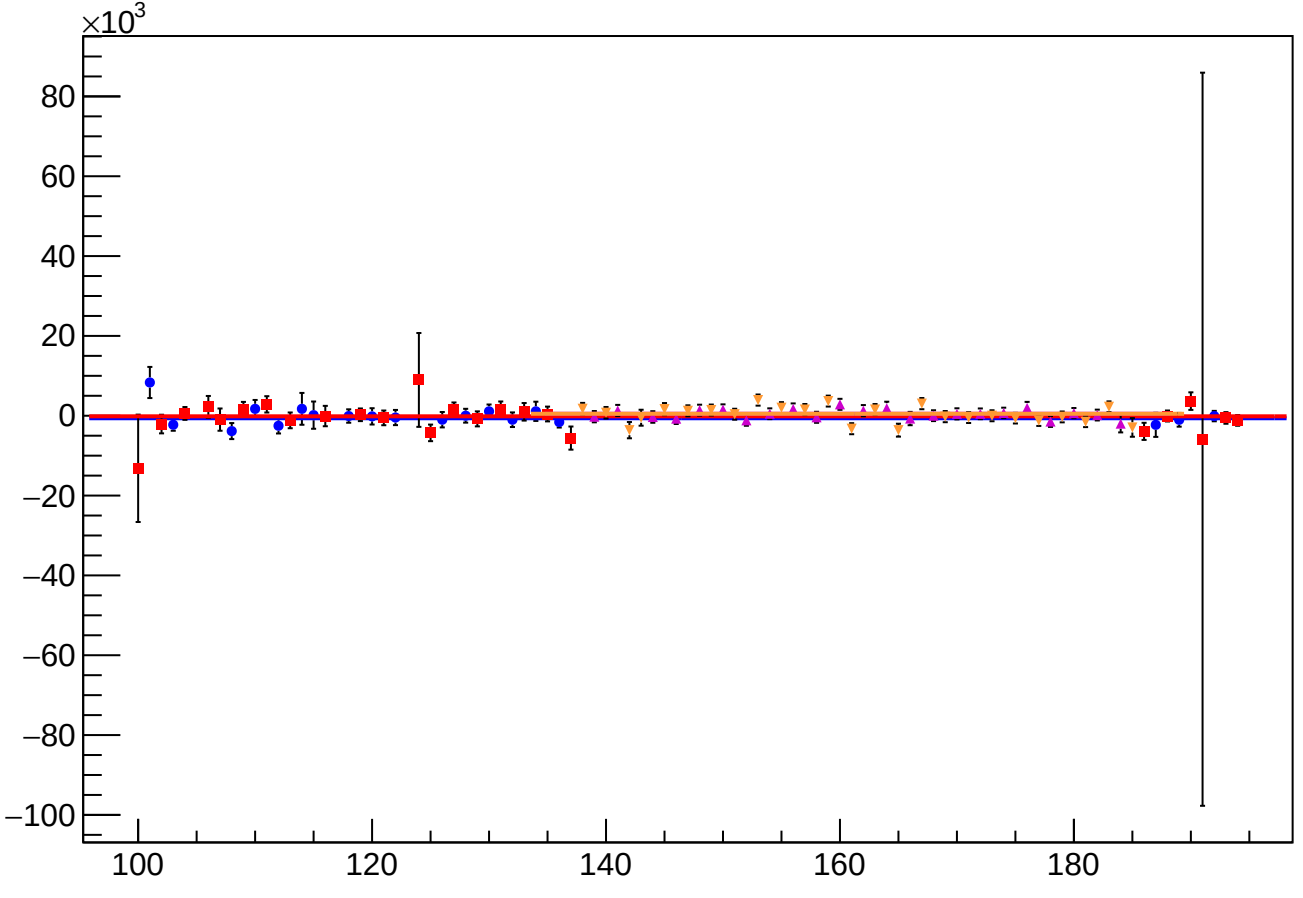
Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3748.406+/-0.363 χ^2/NDF: 7764564.0/91

- sign 3824.071+/-0.517 χ^2/NDF: 3450419.9/47



Right In: -629.317+/-437.603 χ^2/NDF: 14.4/18

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -142.652+/-402.235 χ^2/NDF: 23.2/24

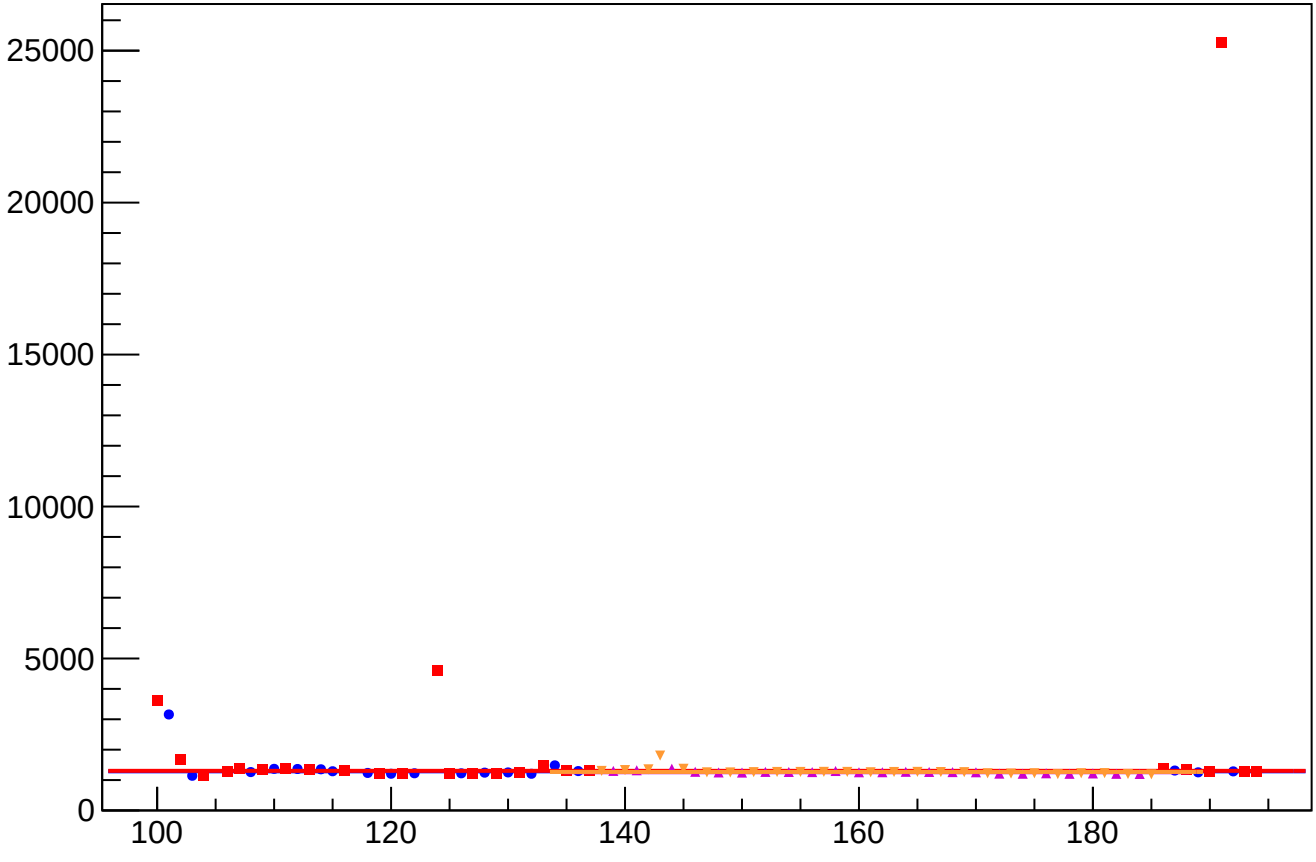
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 210.945+/-169.018 χ^2/NDF: 105.2/91

- sign 267.791+/-237.235 χ^2/NDF: 39.2/47

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

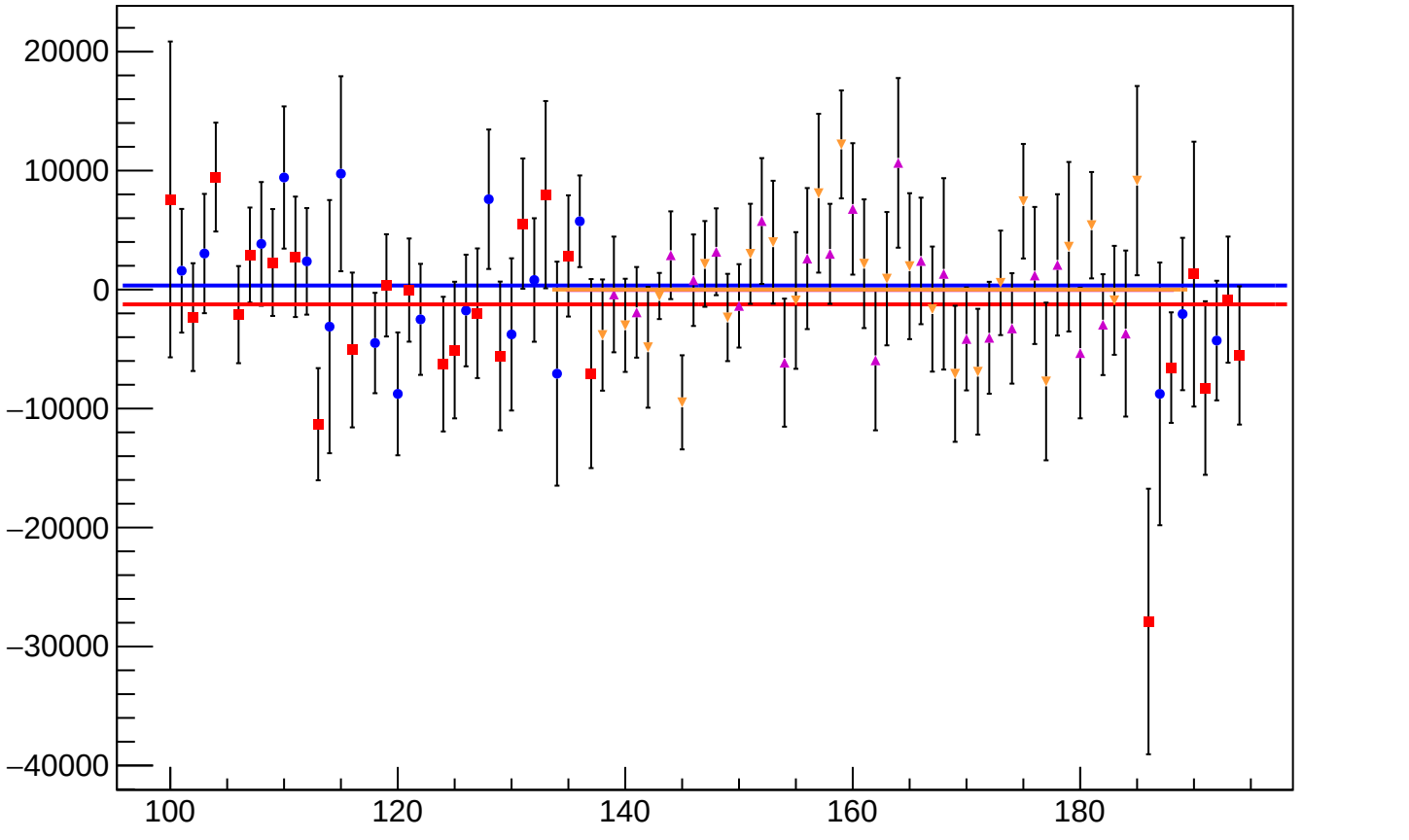
Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.339+/-0.119 χ^2/NDF: 1231904.4/91

- sign 1273.548+/-0.168 χ^2/NDF: 525754.2/47



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

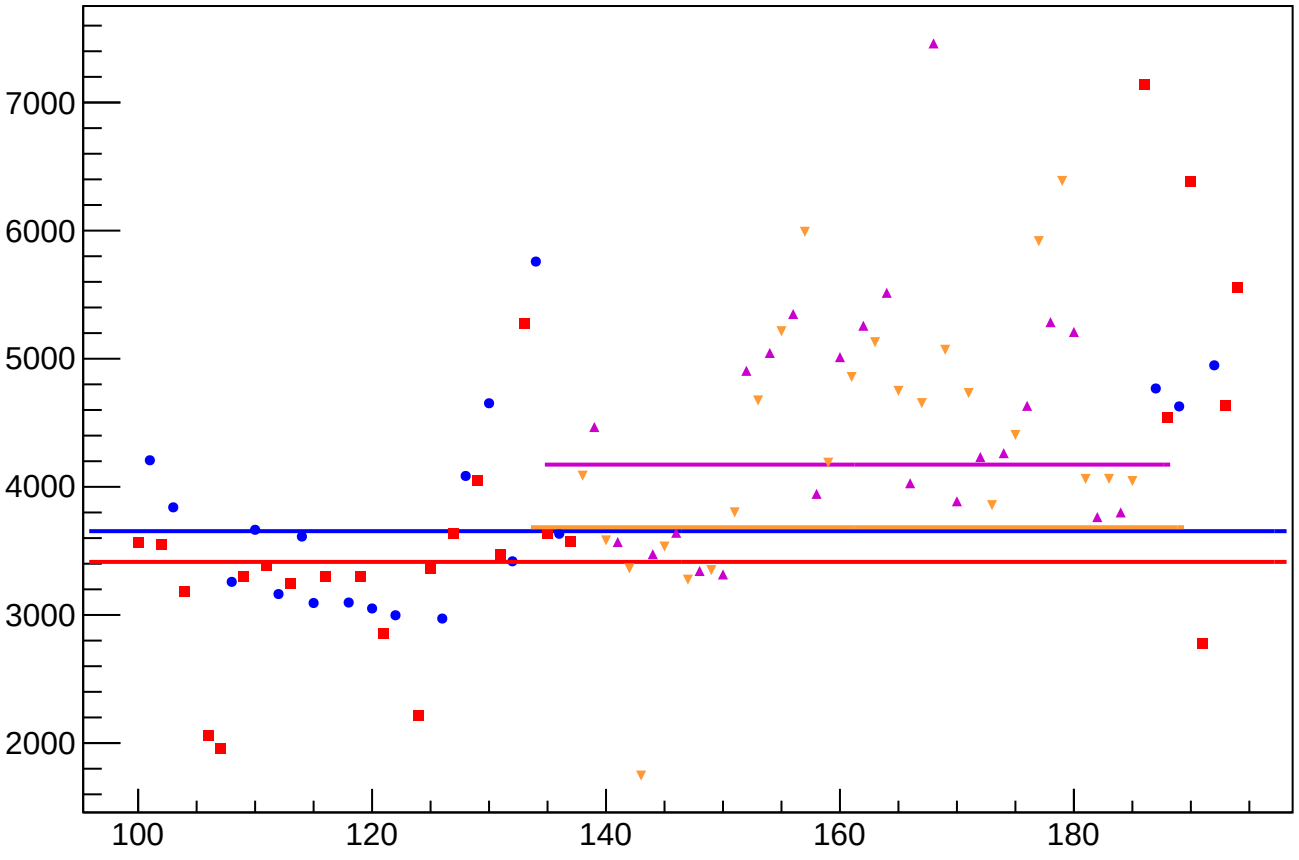
Right Out: -1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 114.011+/-722.740 χ^2/NDF: 45.0/43

All: -233.442+/-514.034 χ^2/NDF: 88.0/91

- sign -589.117+/-731.242 χ^2/NDF: 42.5/47



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

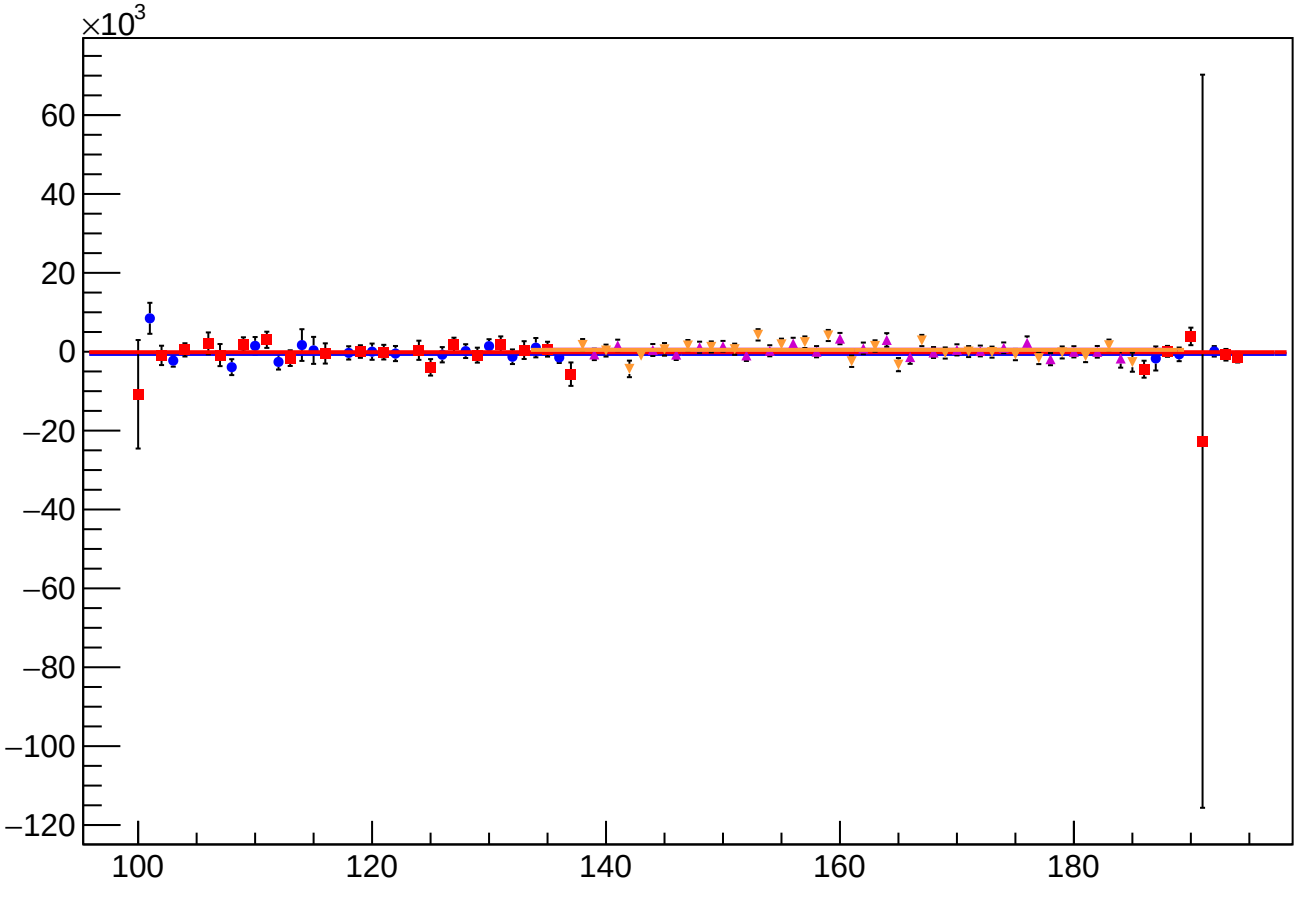
Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3748.406+/-0.363 χ^2/NDF: 7764564.0/91

- sign 3824.071+/-0.517 χ^2/NDF: 3450419.9/47



Right In: -555.878+/-442.785 χ^2/NDF: 14.5/18

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -122.732+/-402.102 χ^2/NDF: 23.5/24

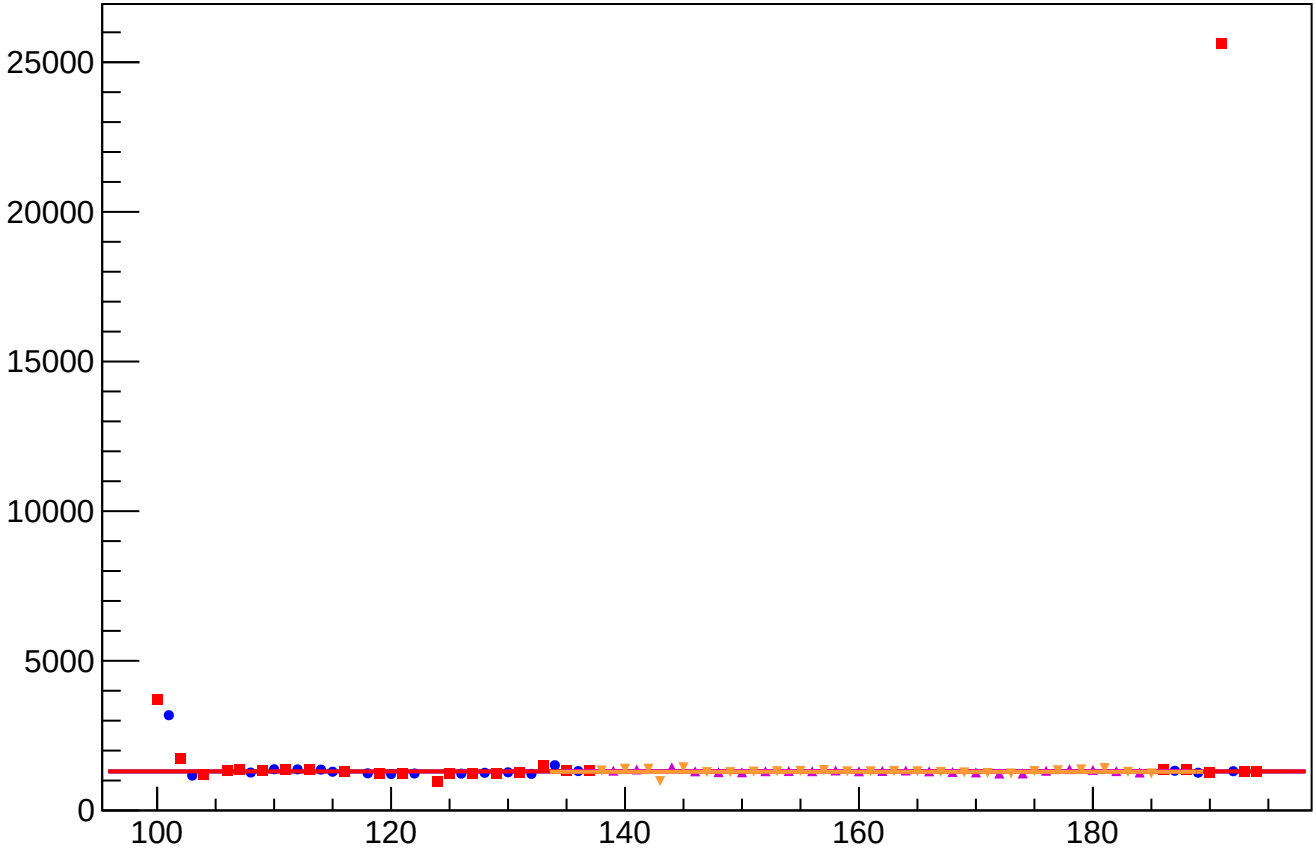
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 154.290+/-245.075 χ^2/NDF: 62.3/43

All: 213.832+/-172.927 χ^2/NDF: 104.9/91

- sign 272.872+/-244.039 χ^2/NDF: 42.4/47

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

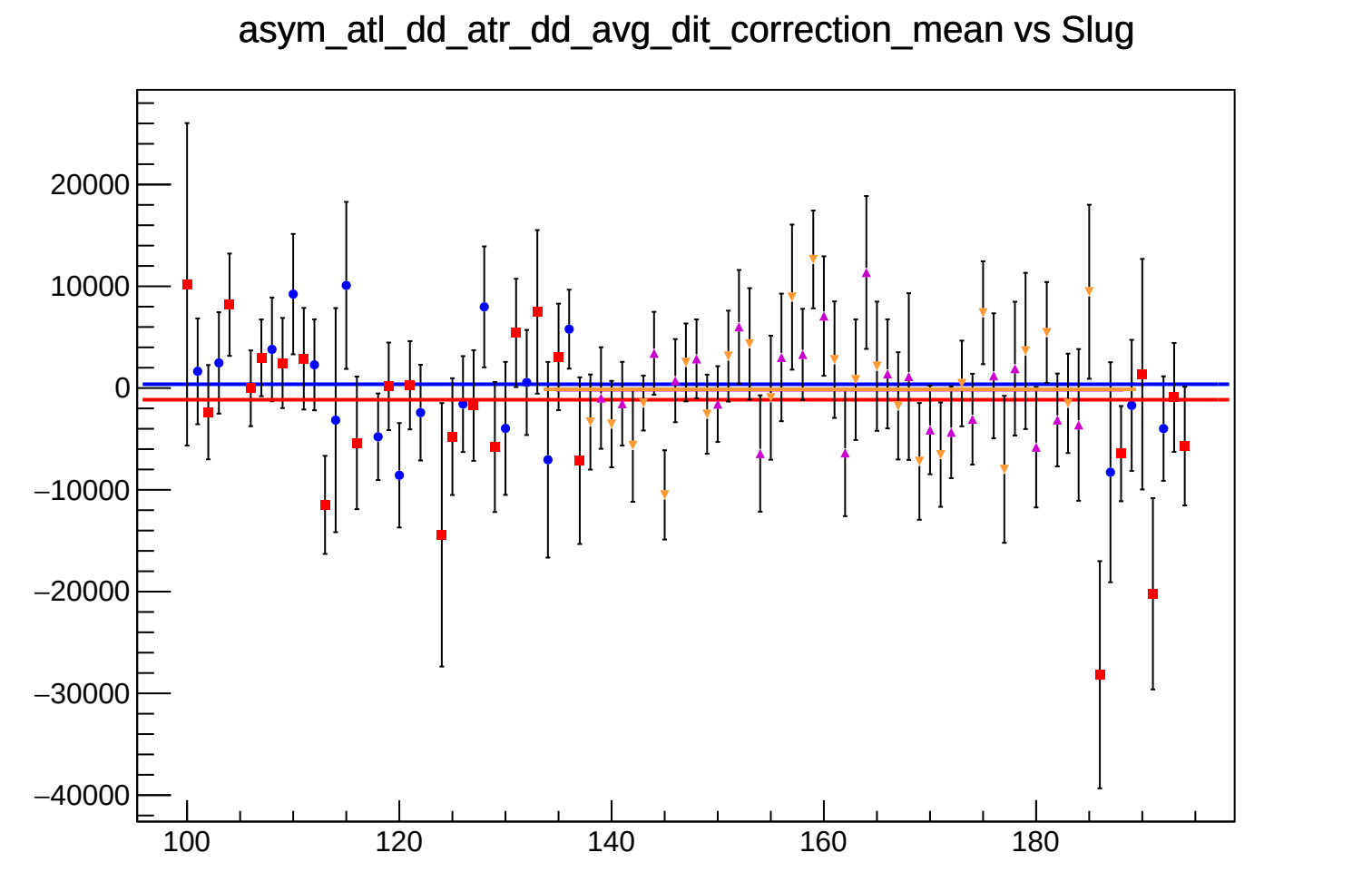
Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.5/24

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.690+/-0.173 χ^2/NDF: 743518.9/43

All: 1302.849+/-0.122 χ^2/NDF: 1151655.2/91

- sign 1310.936+/-0.173 χ^2/NDF: 403722.5/47



Right In: 374.648+/-1251.845 χ^2/NDF: 15.7/18

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: -1145.582+/-1096.551 χ^2/NDF: 29.6/24

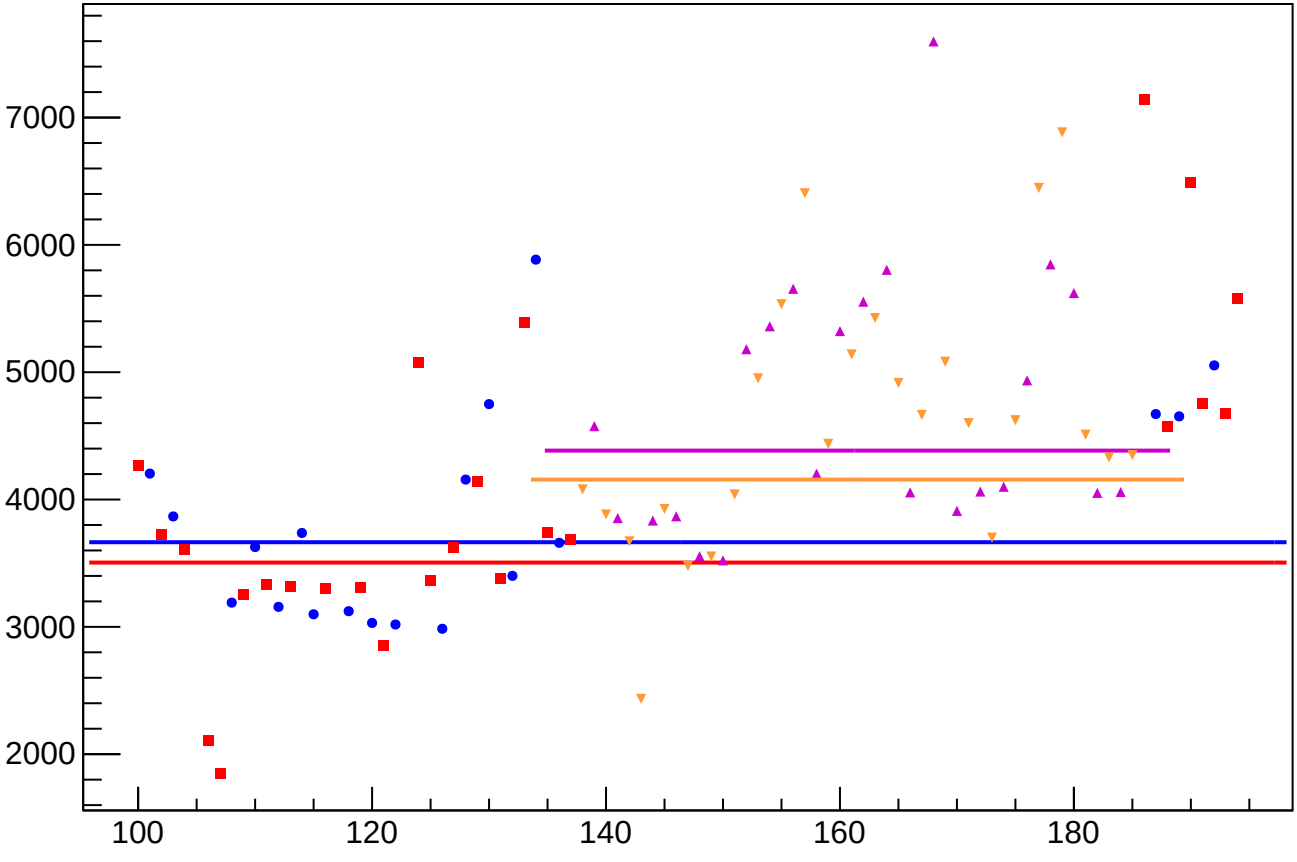
Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

\+ sign 62.777+/-770.312 χ^2/NDF: 44.4/43

All: -289.300+/-539.812 χ^2/NDF: 88.6/91

\- sign -629.033+/-756.688 χ^2/NDF: 43.8/47

asym_atl_dd_atr_dd_avg_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

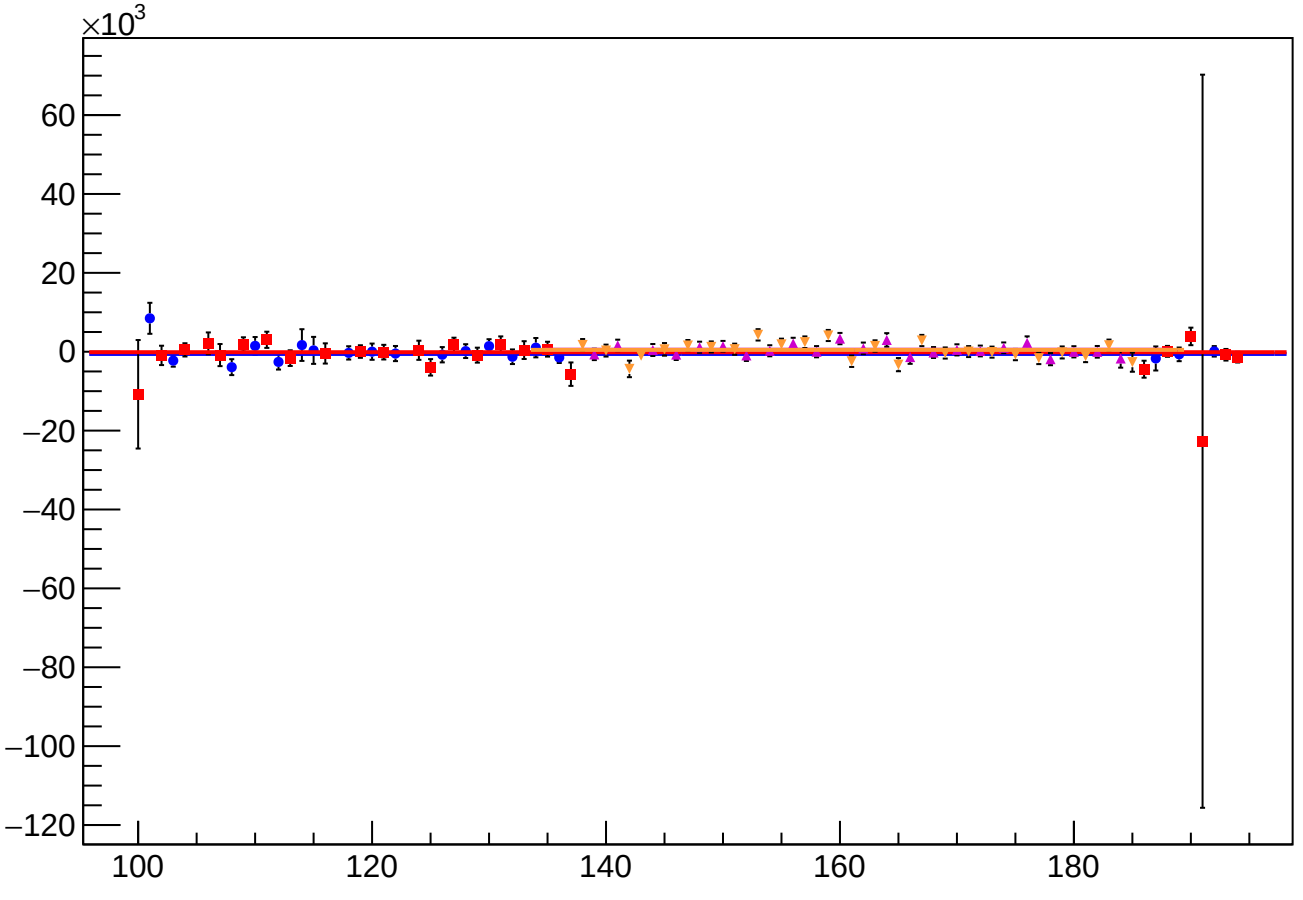
Right Out: 3504.957+/-0.775 χ^2/NDF: 1746894.4/24

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3970.327+/-0.545 χ^2/NDF: 2883945.7/43

All: 3967.912+/-0.382 χ^2/NDF: 6560083.9/91

- sign 3965.582+/-0.535 χ^2/NDF: 3676099.6/47



Right In: -555.882+/-442.785 χ^2/NDF: 14.5/18

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -122.727+/-402.102 χ^2/NDF: 23.5/24

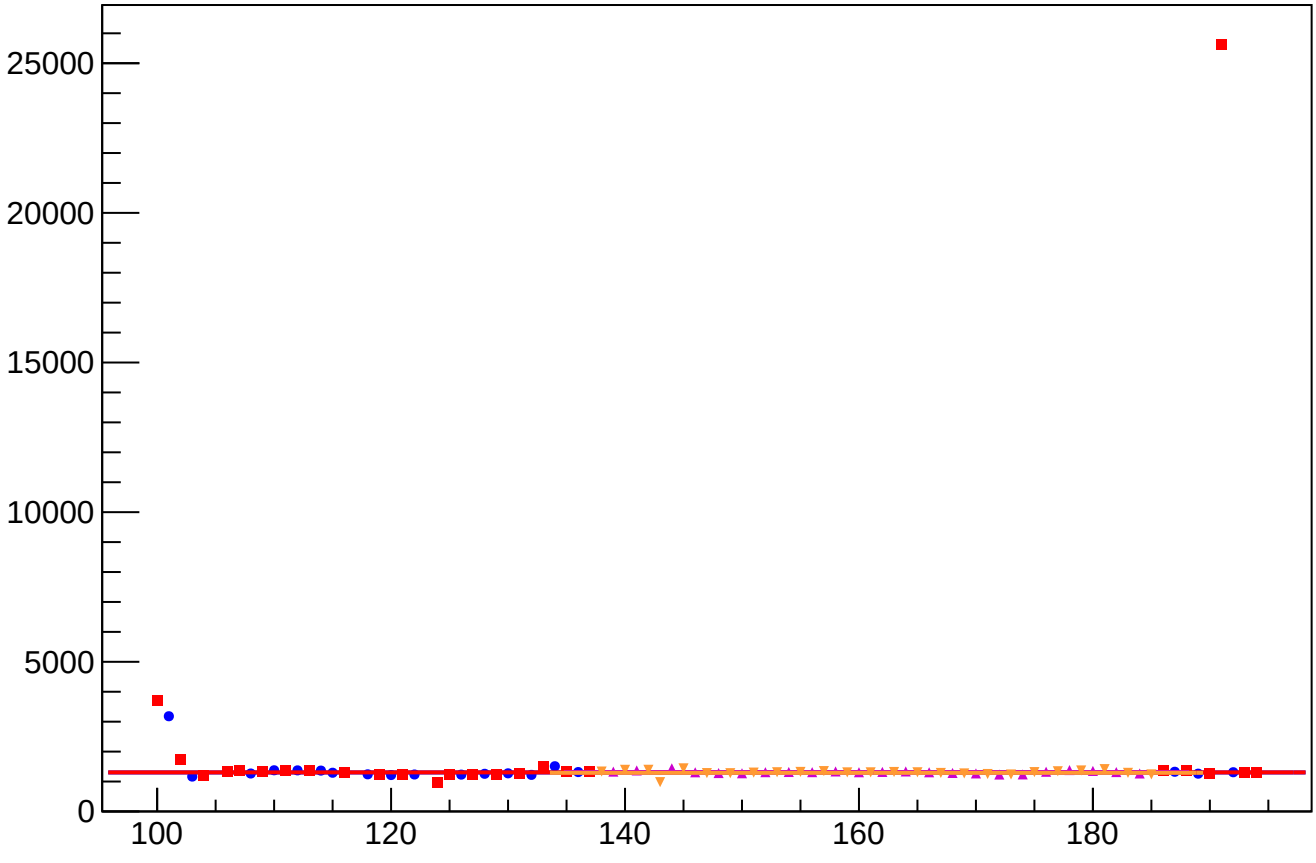
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 154.291+/-245.075 χ^2/NDF: 62.3/43

All: 213.834+/-172.927 χ^2/NDF: 104.9/91

- sign 272.874+/-244.039 χ^2/NDF: 42.4/47

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

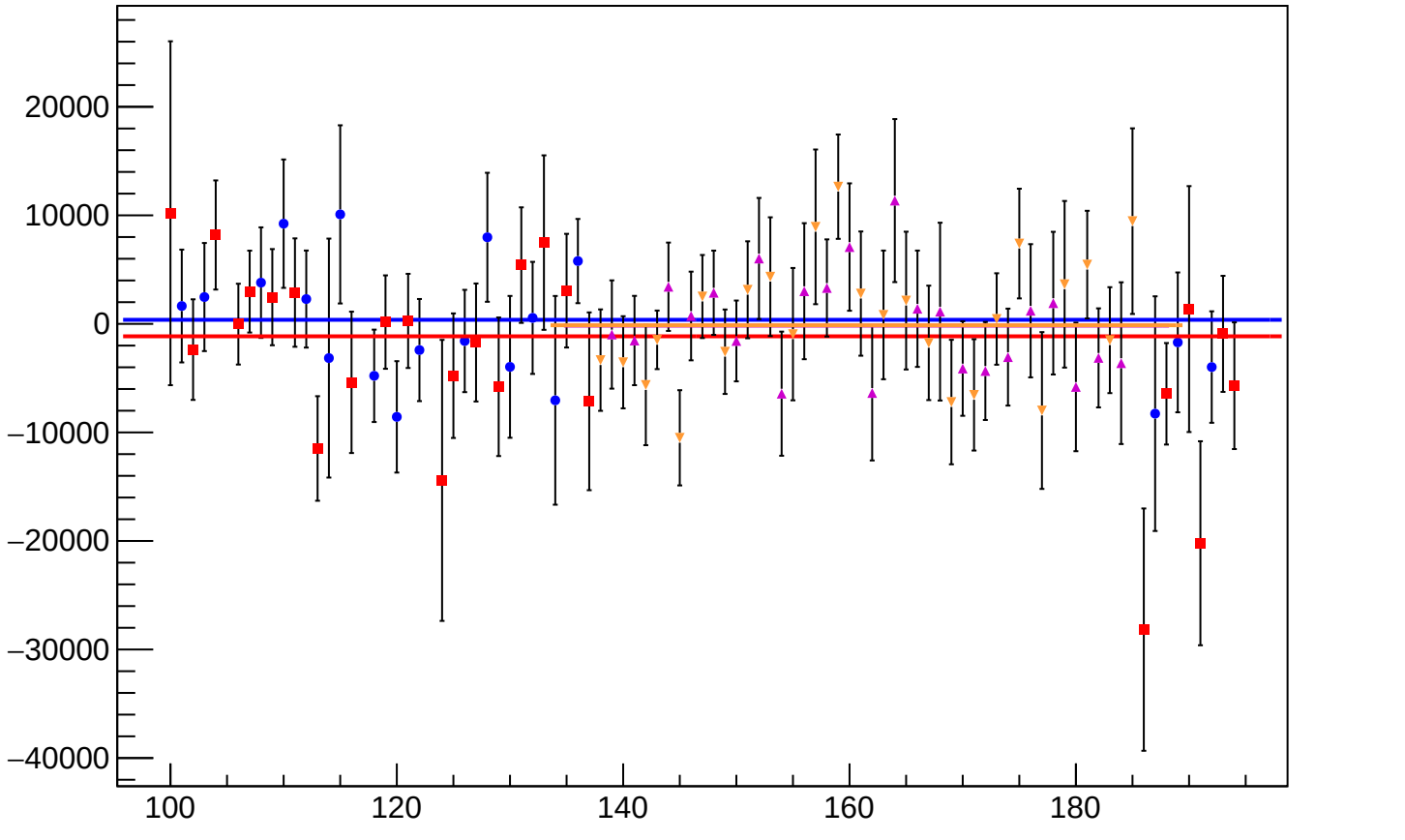
Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.6/24

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.691+/-0.173 χ^2/NDF: 743521.3/43

All: 1302.850+/-0.122 χ^2/NDF: 1151660.0/91

- sign 1310.937+/-0.173 χ^2/NDF: 403725.0/47



Right In: 374.640+/-1251.843 χ^2/NDF: 15.7/18

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

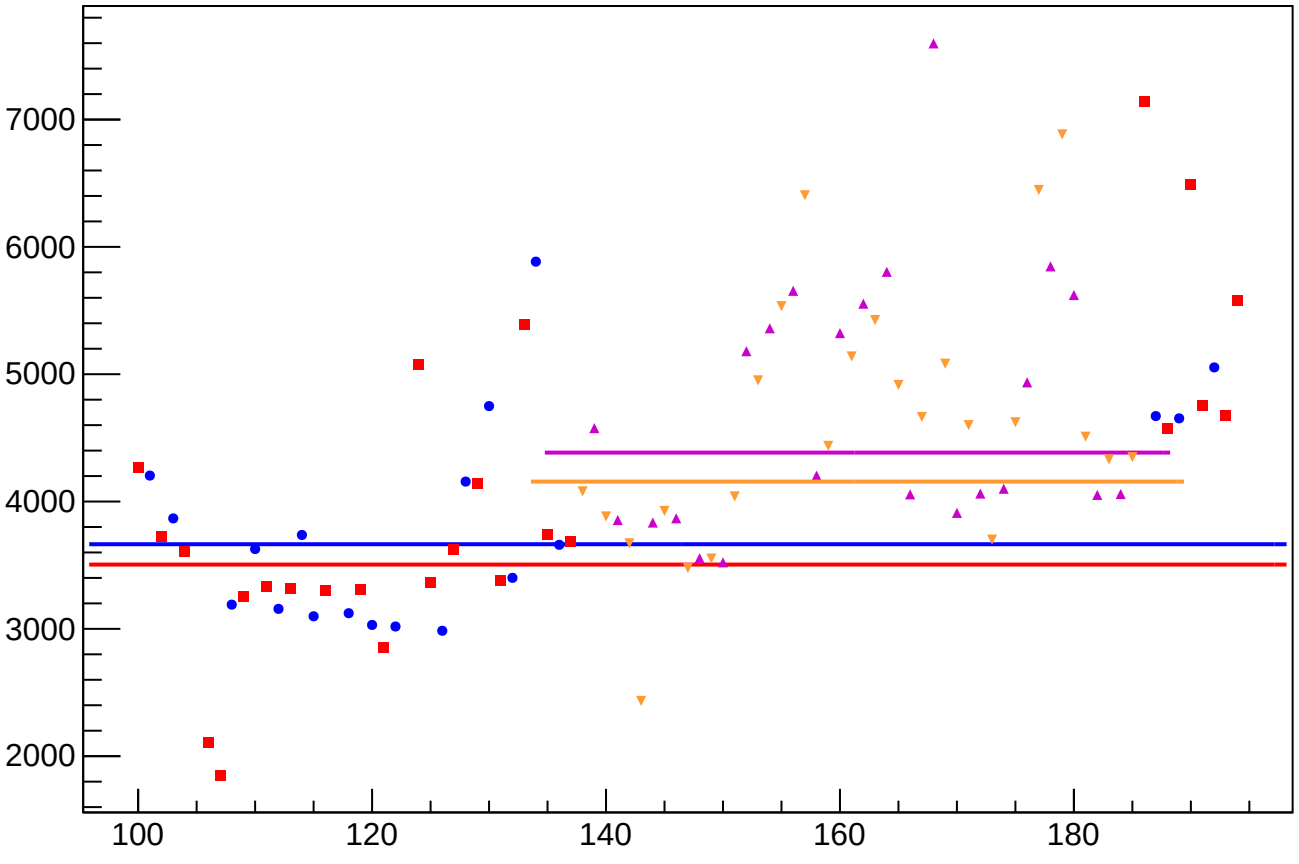
Right Out: -1145.573+/-1096.549 χ^2/NDF: 29.6/24

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 62.776+/-770.313 χ^2/NDF: 44.4/43

All: -289.300+/-539.812 χ^2/NDF: 88.6/91

- sign -629.031+/-756.688 χ^2/NDF: 43.8/47



Right In: 3664.676+/-0.885 χ^2/NDF: 611314.1/18

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3504.950+/-0.775 χ^2/NDF: 1746905.4/24

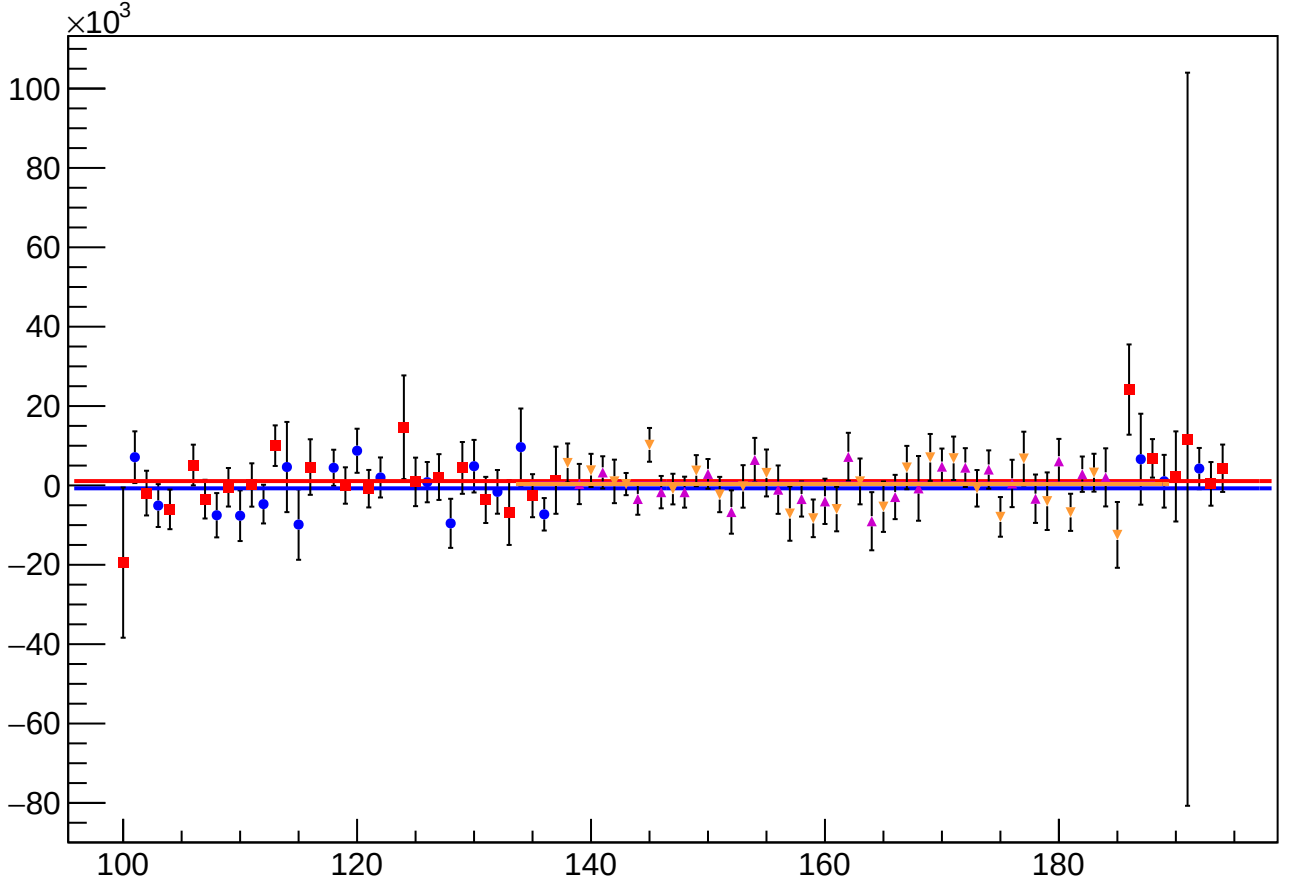
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3970.327+/-0.545 χ^2/NDF: 2883969.3/43

All: 3967.911+/-0.382 χ^2/NDF: 6560144.5/91

- sign 3965.580+/-0.535 χ^2/NDF: 3676136.5/47

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -733.309+/-1342.024 χ^2/NDF: 19.1/18

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1092.453+/-1213.237 χ^2/NDF: 17.9/24

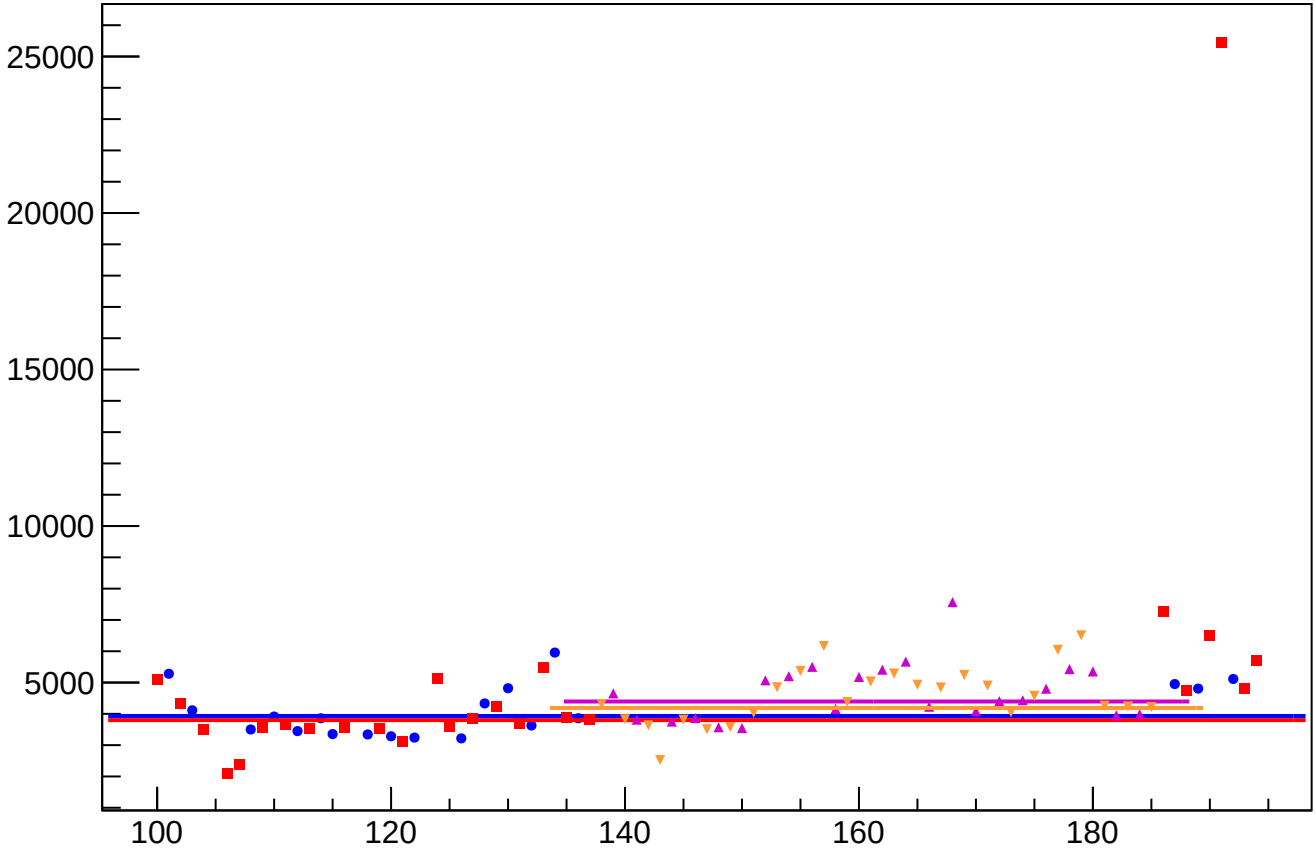
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -18.523+/-791.369 χ^2/NDF: 47.2/43

All: 366.014+/-559.683 χ^2/NDF: 79.6/91

- sign 750.829+/-791.654 χ^2/NDF: 32.0/47

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3932.103+/-0.949 χ^2/NDF: 558009.3/18

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

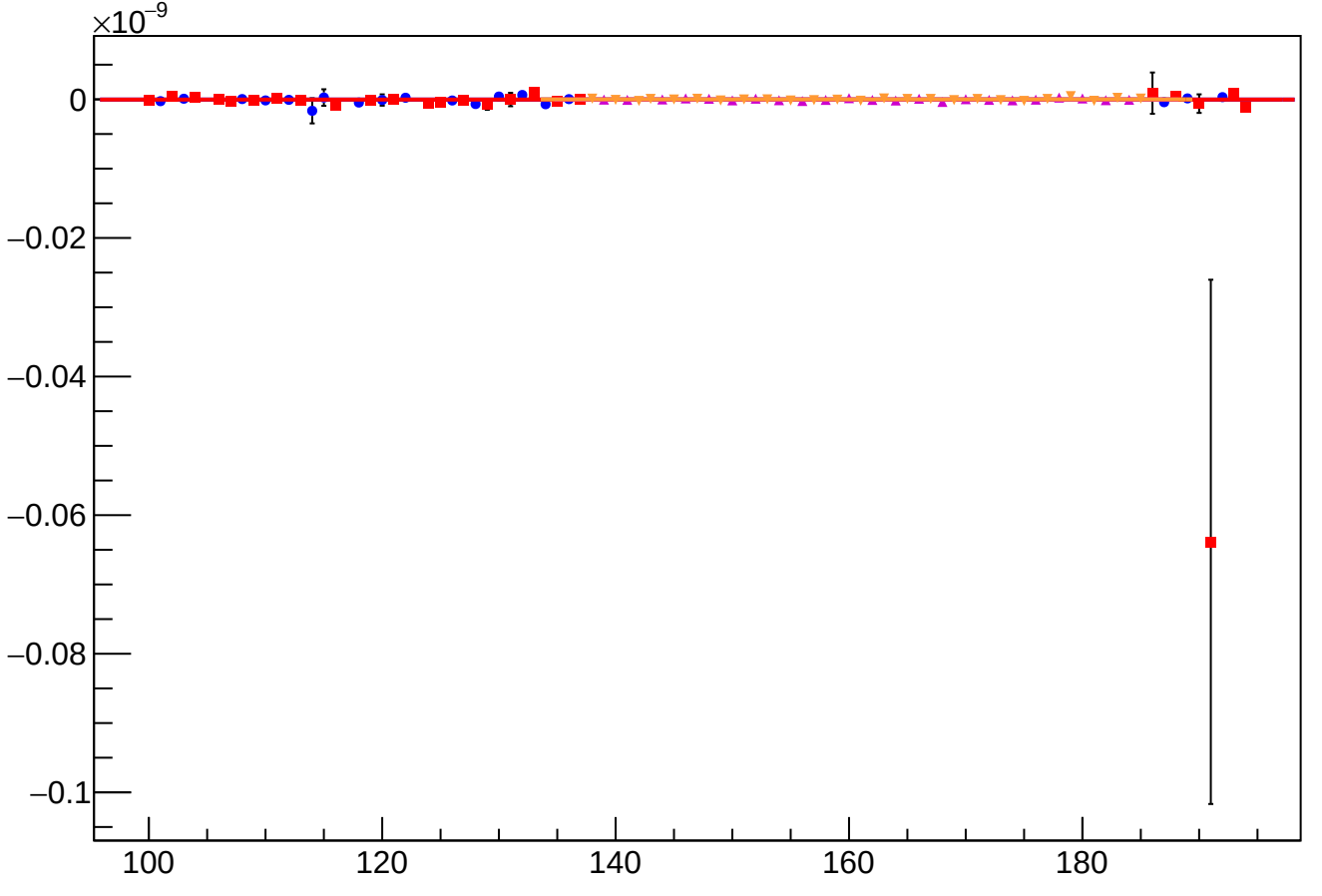
Right Out: 3799.745+/-0.848 χ^2/NDF: 1460671.5/24

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4098.918+/-0.560 χ^2/NDF: 2401731.2/43

All: 4118.478+/-0.395 χ^2/NDF: 5232660.1/91

- sign 4137.863+/-0.557 χ^2/NDF: 2828496.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

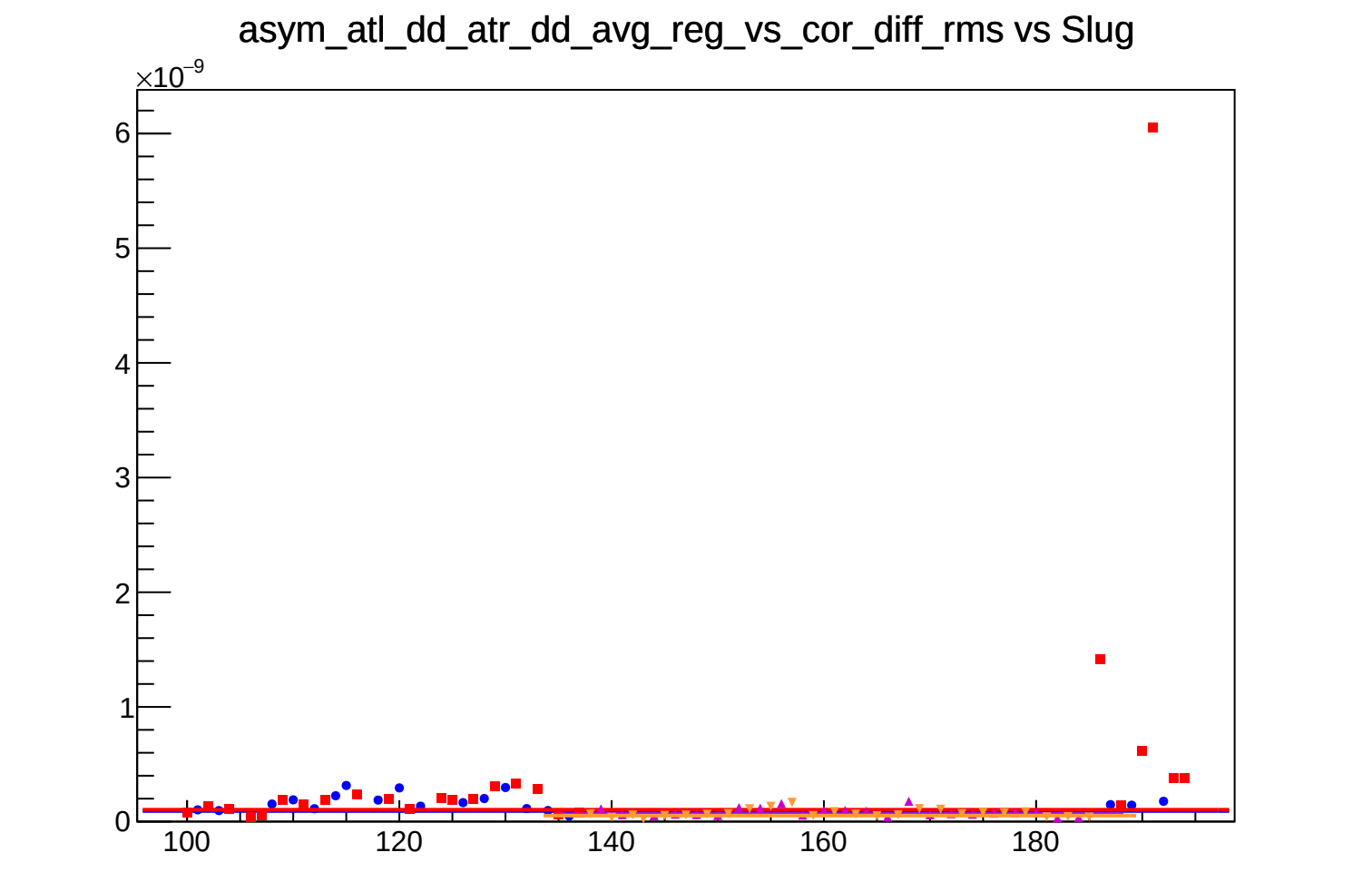
Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/24

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.8/43

All: -0.000+/-0.000 χ^2/NDF: 91.8/91

- sign -0.000+/-0.000 χ^2/NDF: 42.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 1605476.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3225076.2/24

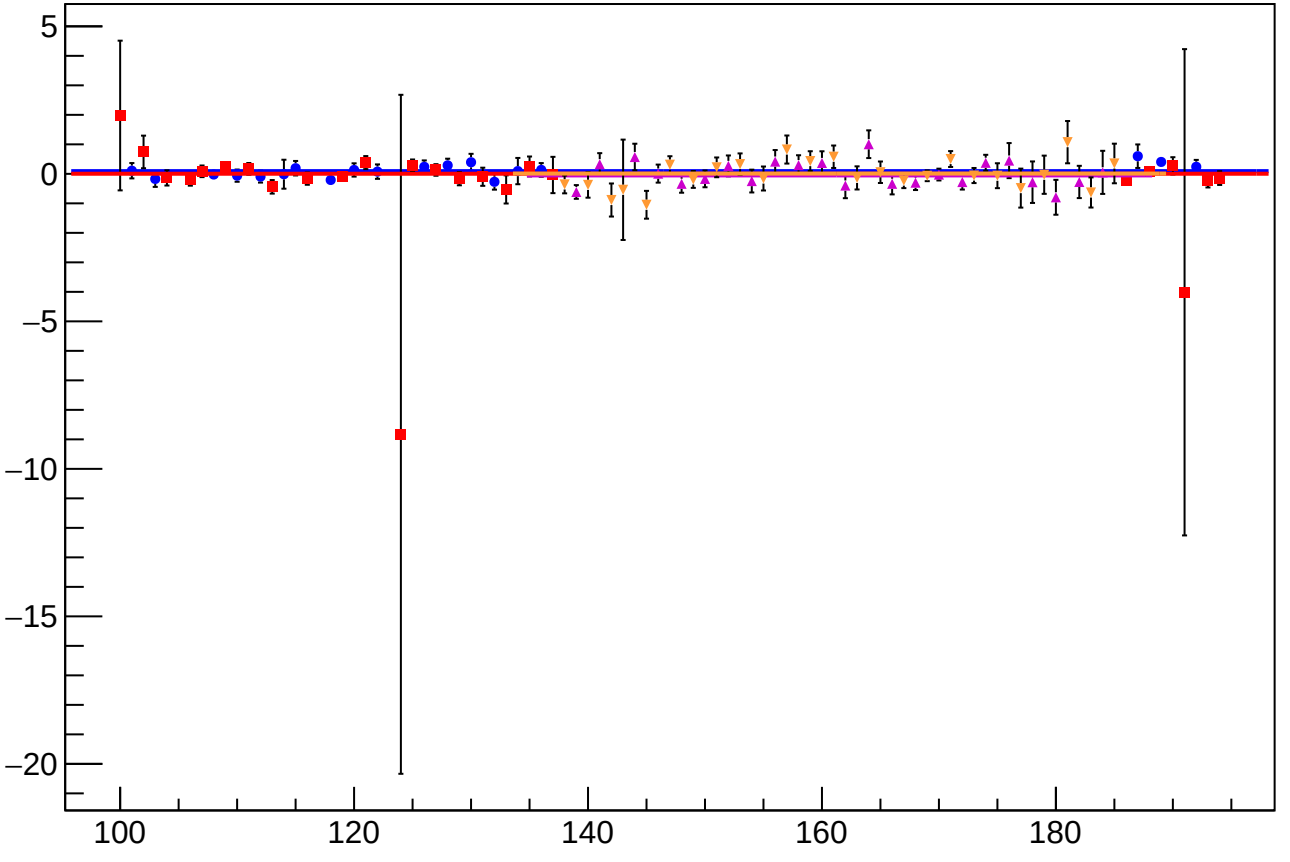
Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5077576.1/43

All: 0.000+/-0.000 χ^2/NDF: 11088449.3/91

- sign 0.000+/-0.000 χ^2/NDF: 5734792.1/47

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: 0.003+/-0.043 χ^2/NDF: 27.5/24

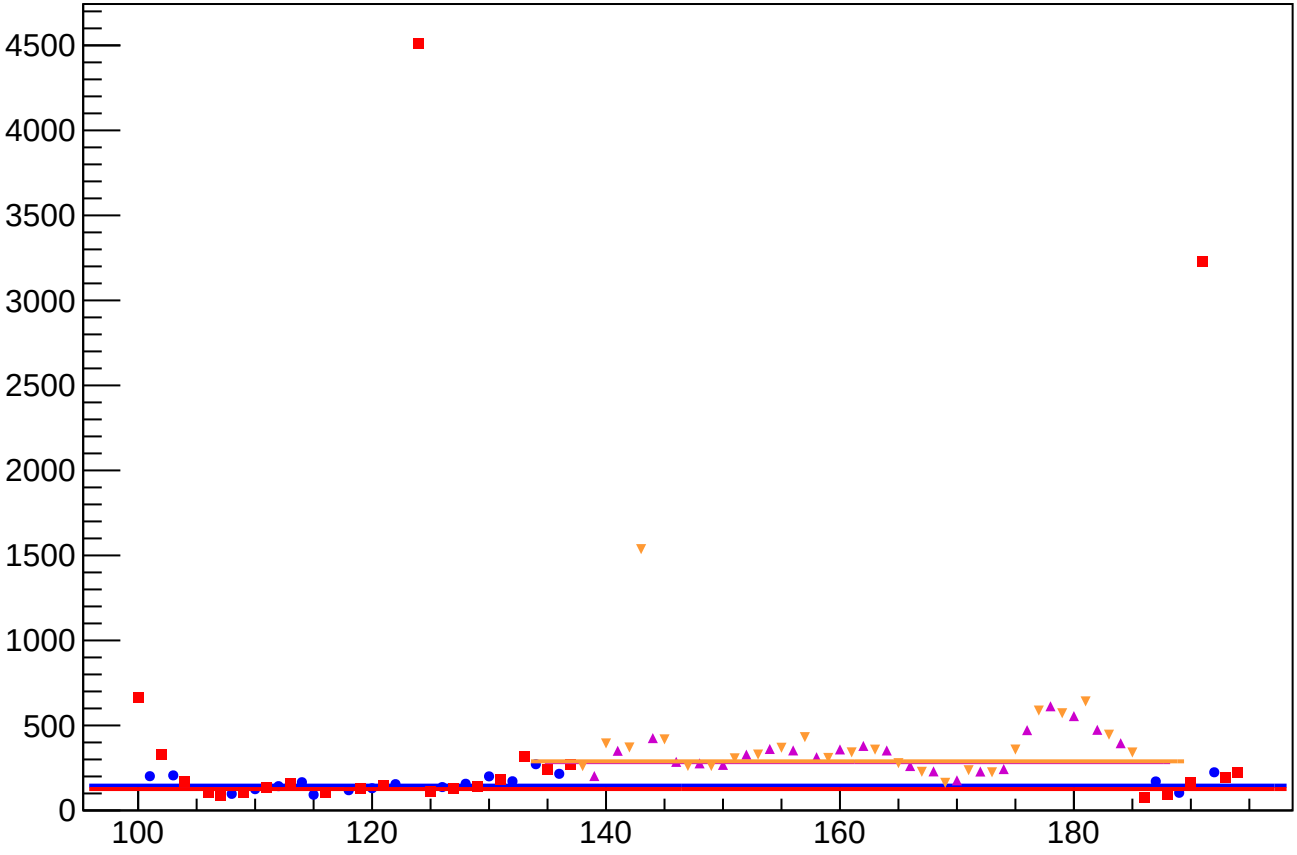
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.021+/-0.028 χ^2/NDF: 104.2/91

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.020+/-0.037 χ^2/NDF: 1386367.2/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

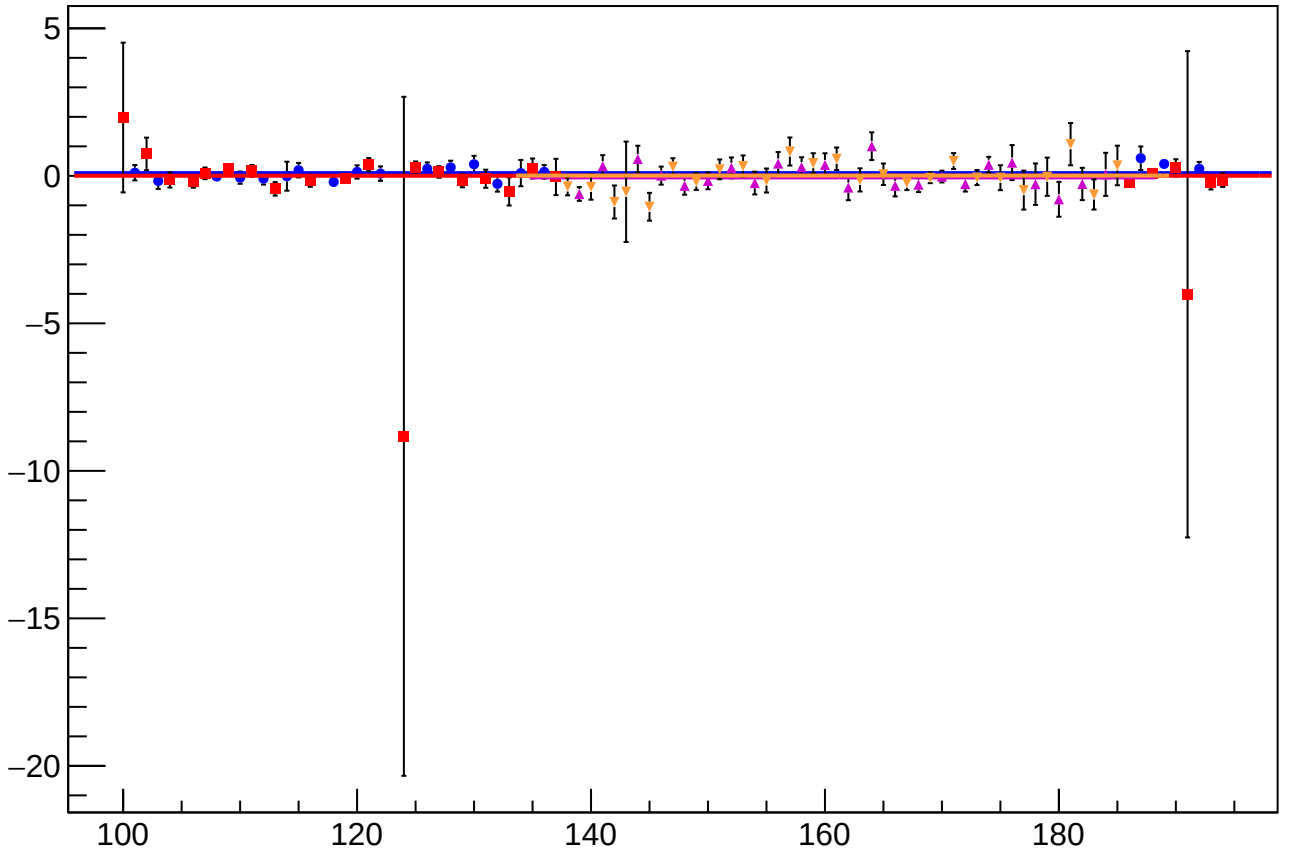
Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.023+/-0.030 χ^2/NDF: 11298805.5/43

All: 180.338+/-0.019 χ^2/NDF: 25295484.2/91

- sign 168.481+/-0.026 χ^2/NDF: 13507121.7/47



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

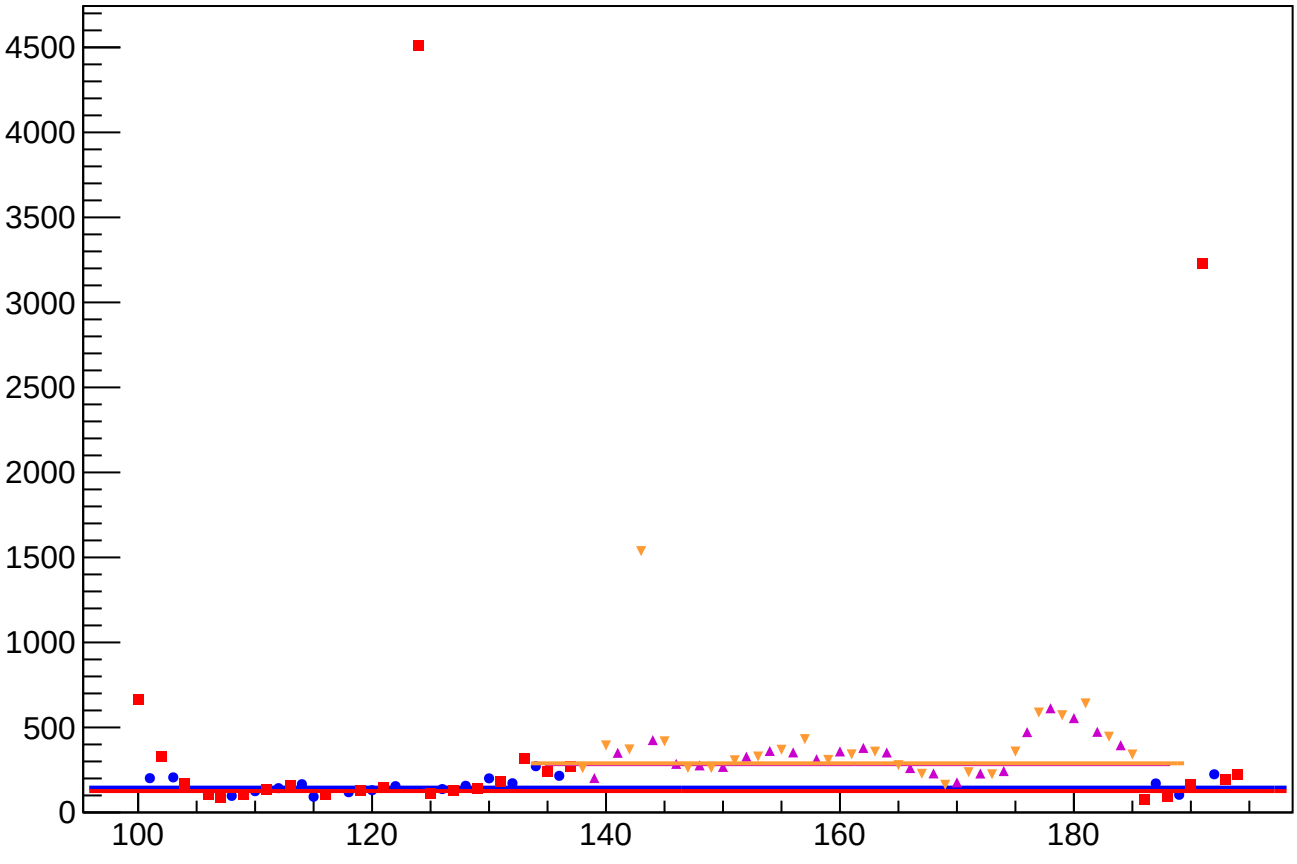
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.021+/-0.028 χ^2/NDF: 104.2/91

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47



Right In: 146.020+/-0.037 χ^2/NDF: 1386367.2/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

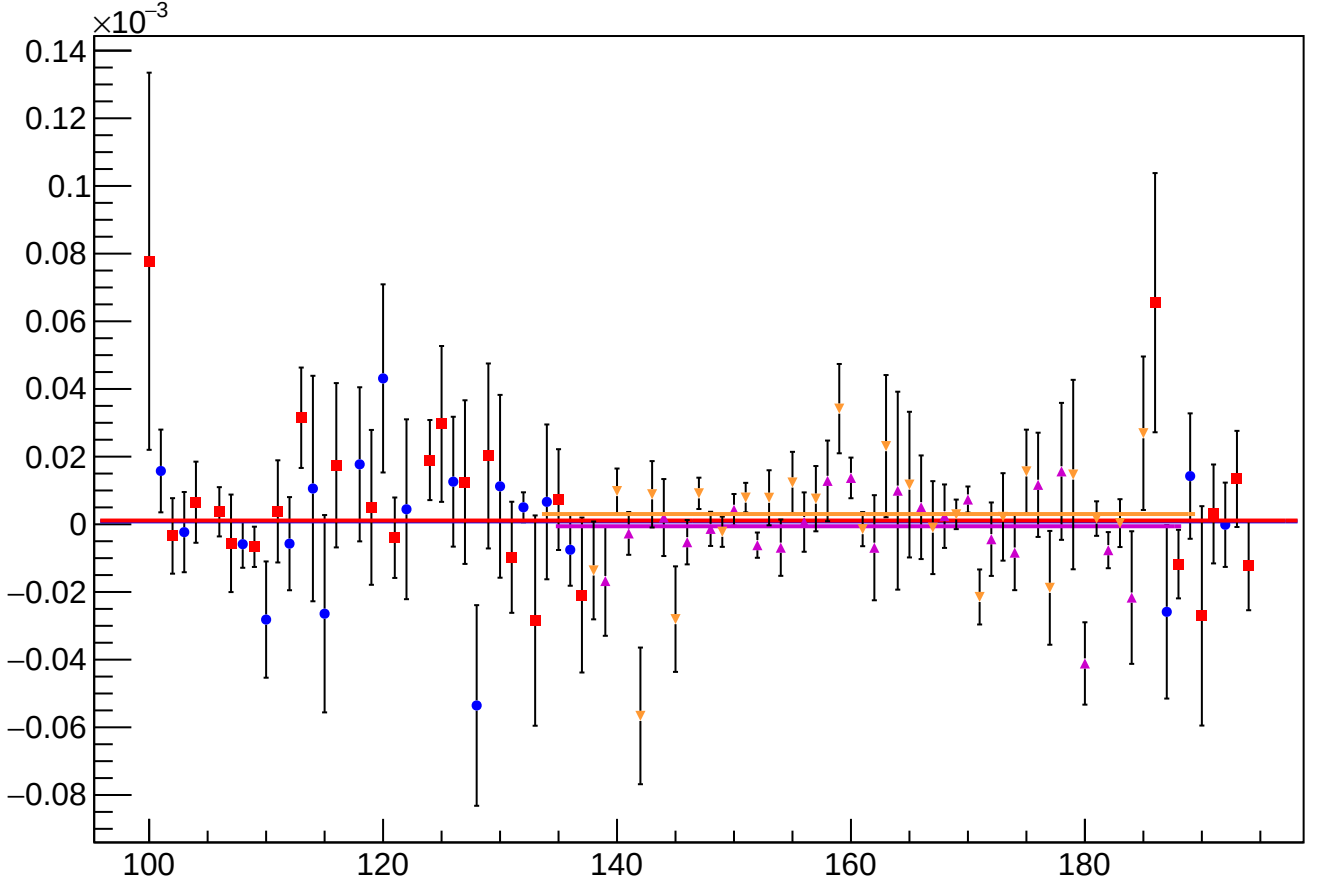
Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.023+/-0.030 χ^2/NDF: 11298805.5/43

All: 180.338+/-0.019 χ^2/NDF: 25295484.2/91

- sign 168.481+/-0.026 χ^2/NDF: 13507121.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

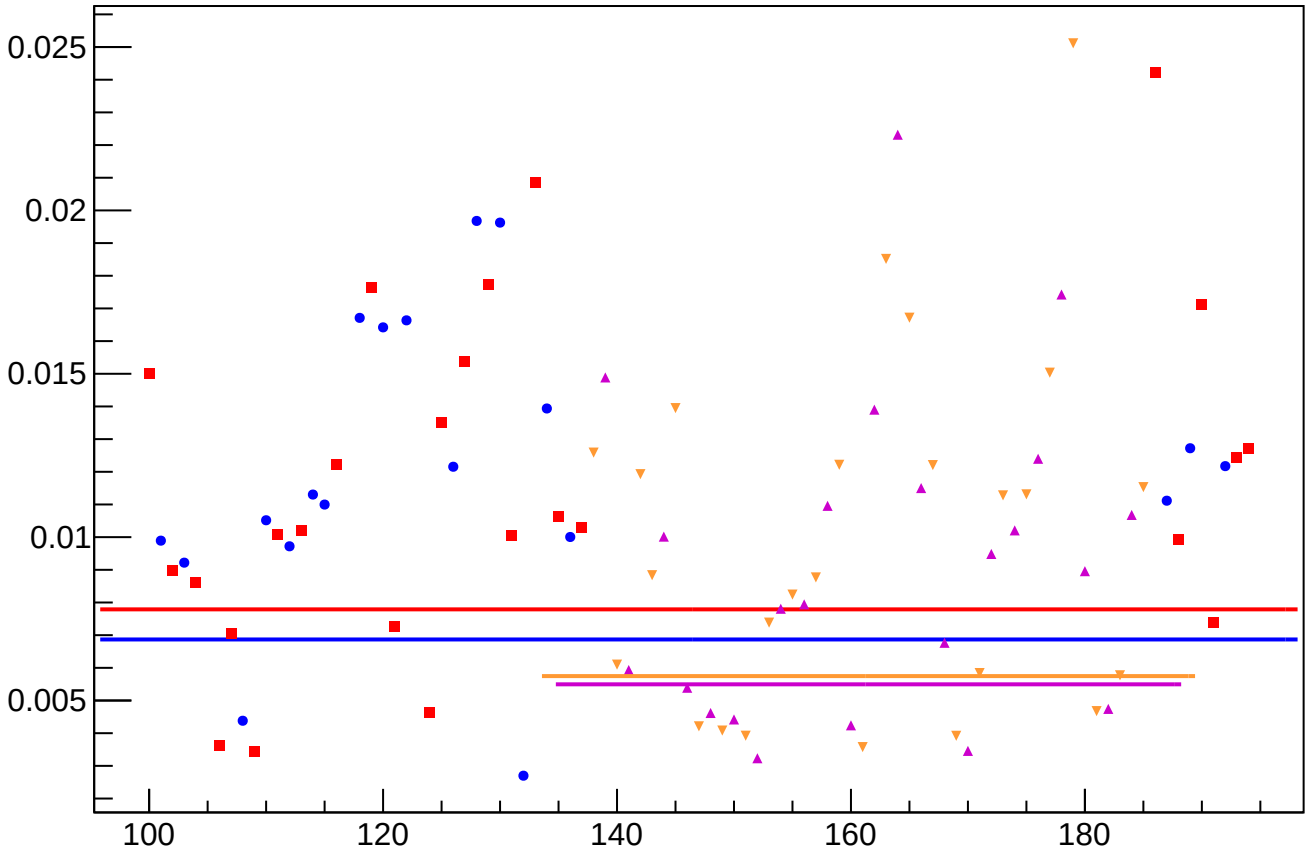
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/24

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.2/43

All: 0.000+/-0.000 χ^2/NDF: 117.8/91

- sign -0.000+/-0.000 χ^2/NDF: 56.6/47



Right In: 0.007+/-0.000 χ^2/NDF: 5313715.3/18

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

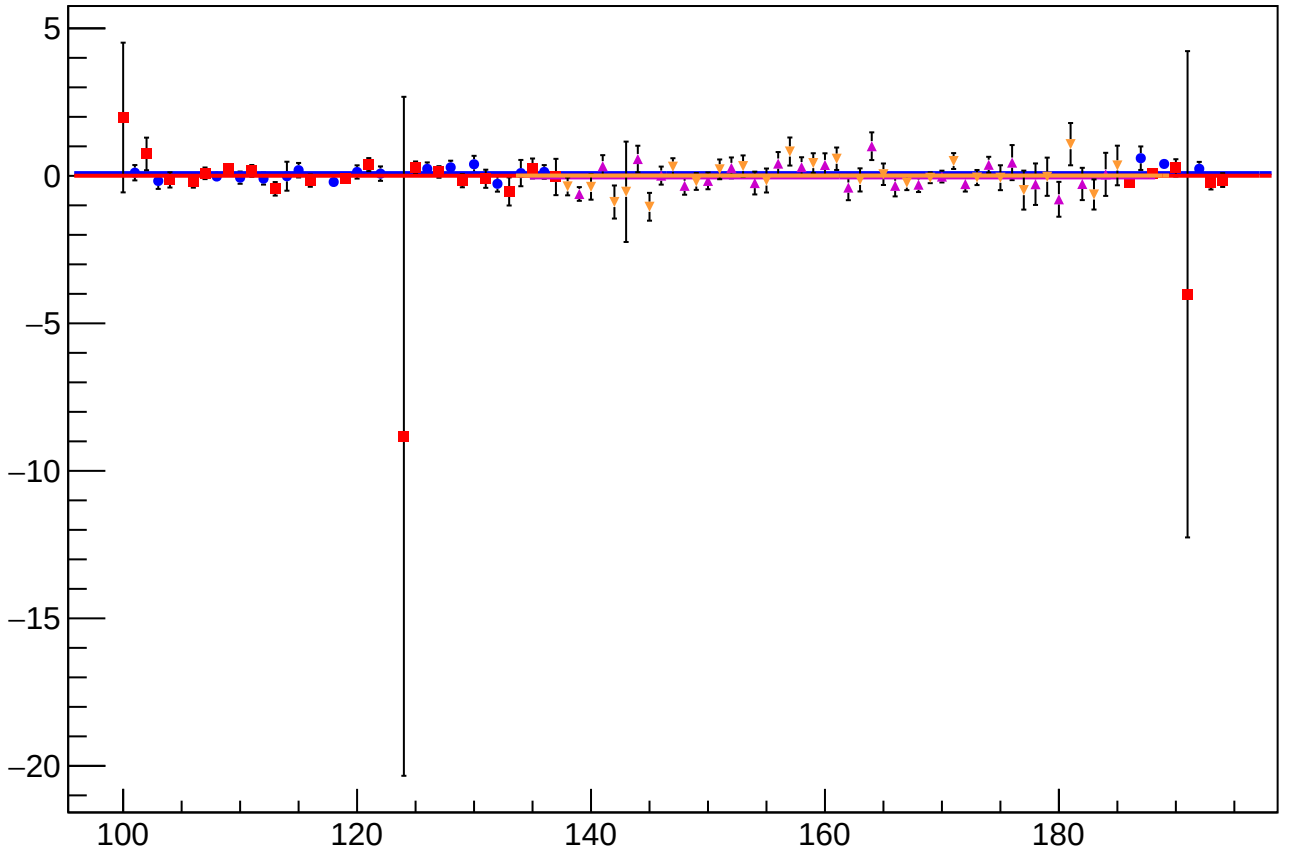
Right Out: 0.008+/-0.000 χ^2/NDF: 4671093.3/24

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 13689818.3/43

All: 0.006+/-0.000 χ^2/NDF: 26394241.9/91

\- sign 0.006+/-0.000 χ^2/NDF: 12703461.0/47



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

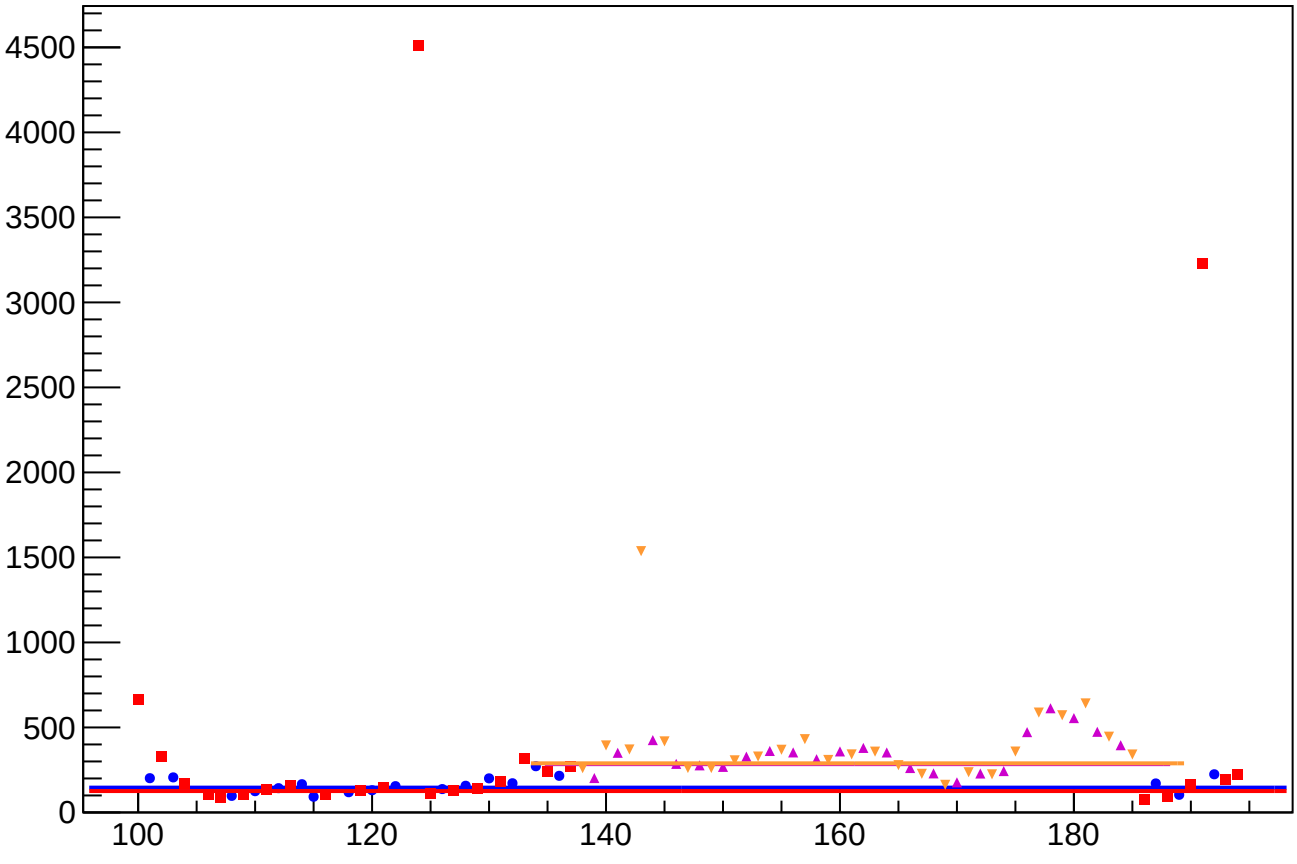
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.021+/-0.028 χ^2/NDF: 104.2/91

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47



Right In: 146.020+/-0.037 χ^2/NDF: 1386330.7/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

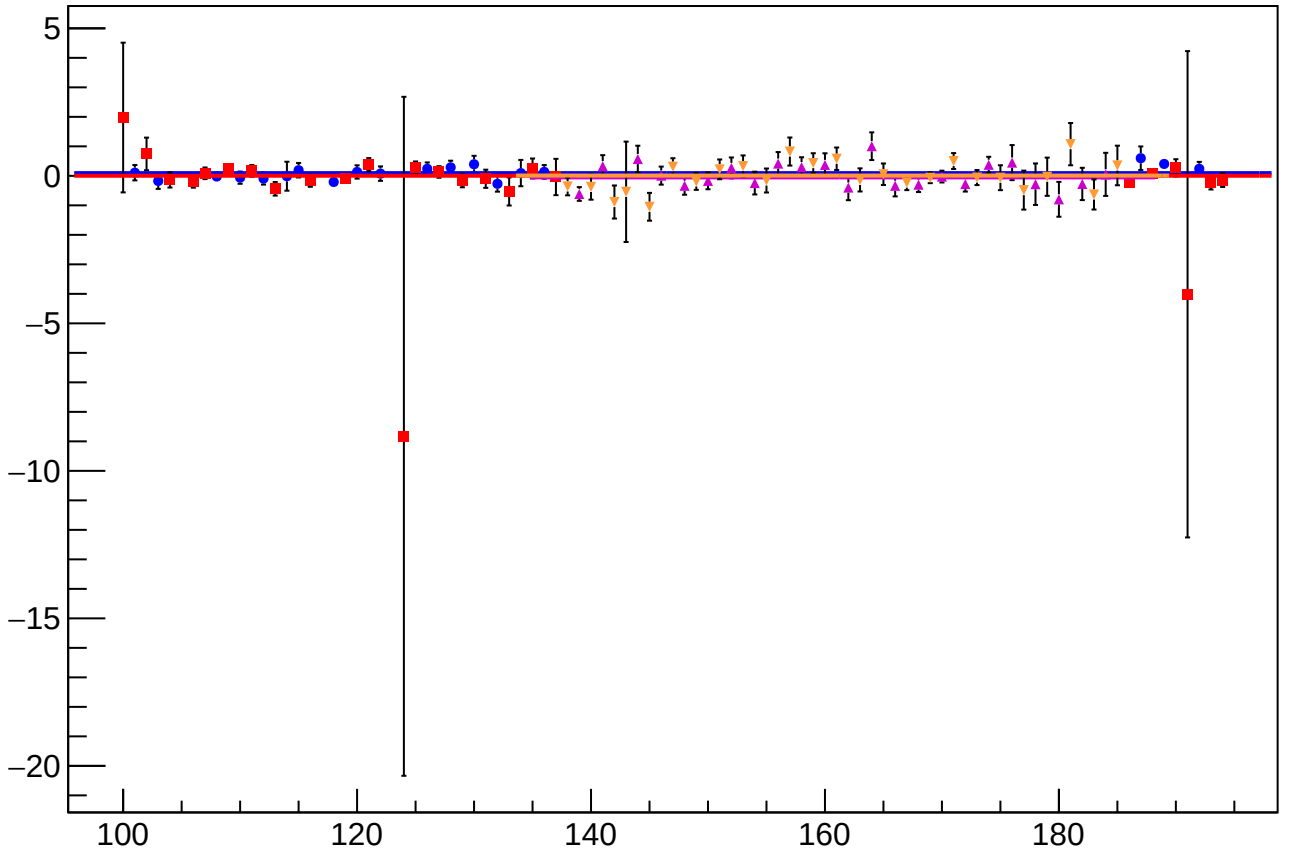
Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.022+/-0.030 χ^2/NDF: 11299012.6/43

All: 180.339+/-0.019 χ^2/NDF: 25295418.4/91

- sign 168.483+/-0.026 χ^2/NDF: 13506945.8/47



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

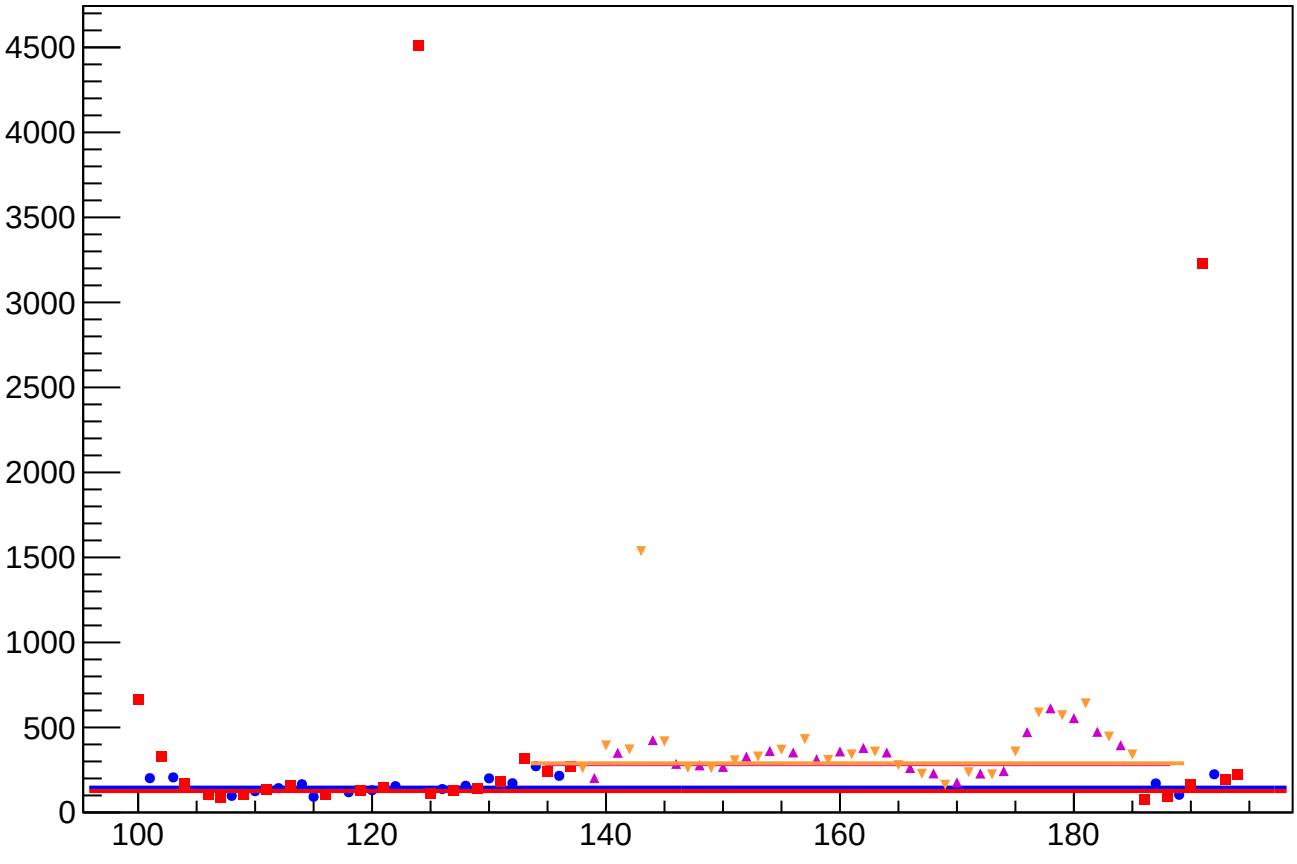
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

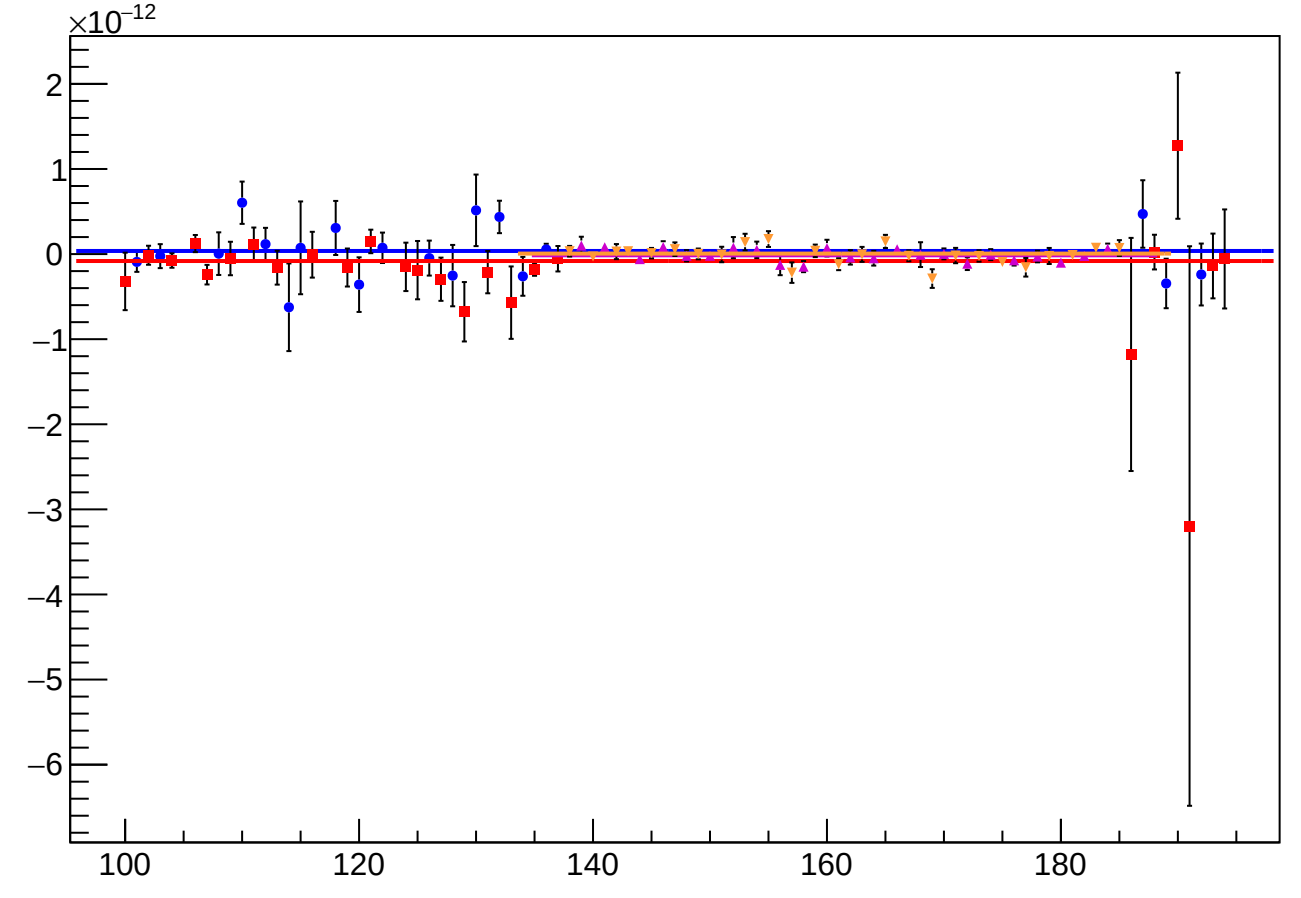
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.021+/-0.028 χ^2/NDF: 104.2/91

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
Right In: 146.020+/-0.037 χ²/NDF: 1386330.7/18
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 125.883+/-0.030 χ²/NDF: 3040972.0/24
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 196.022+/-0.030 χ²/NDF: 11299012.6/43
All: 180.339+/-0.019 χ²/NDF: 25295418.4/91
- sign 168.483+/-0.026 χ²/NDF: 13506945.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

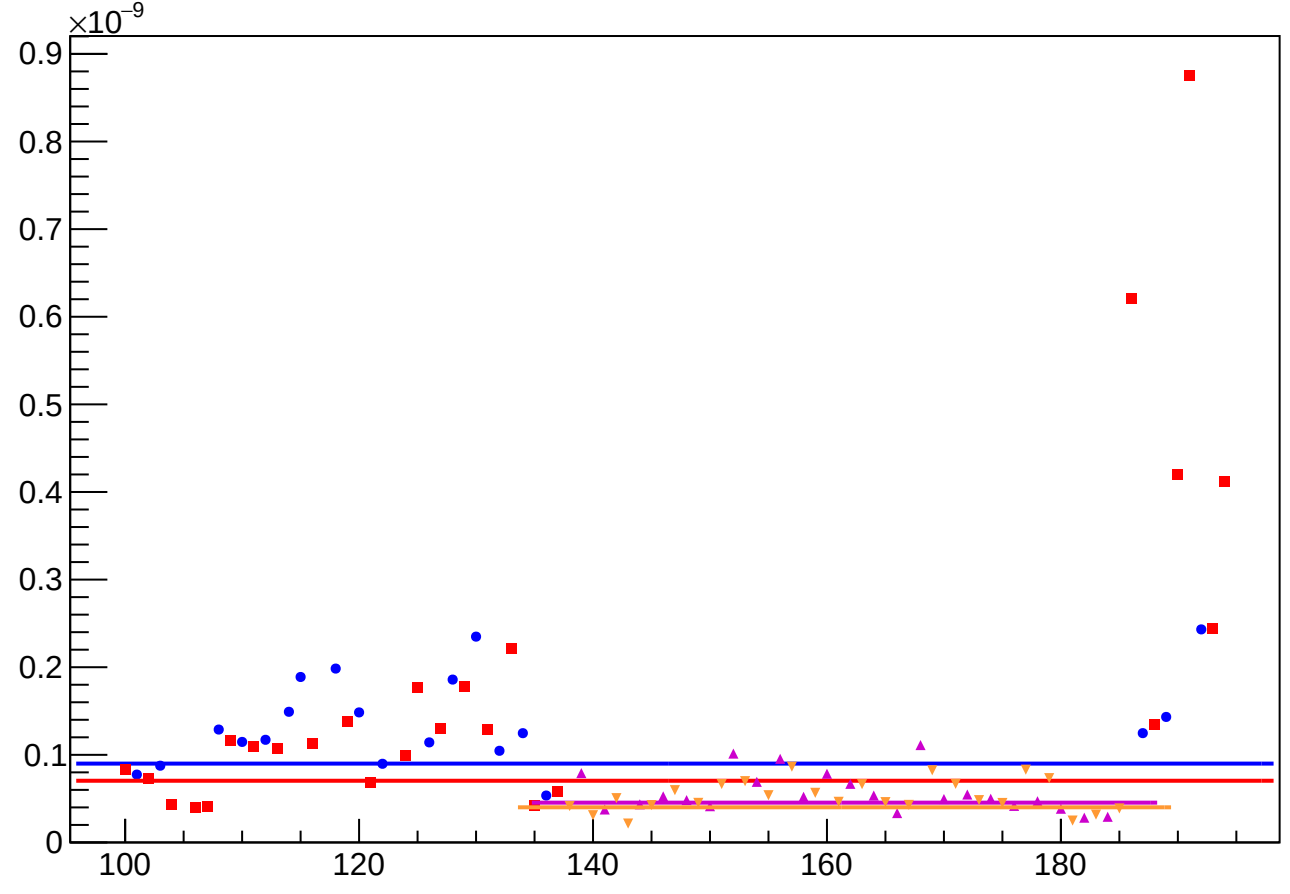
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/24

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: 109.8/91

- sign -0.000+/-0.000 χ^2/NDF: 49.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 2017506.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4282007.7/24

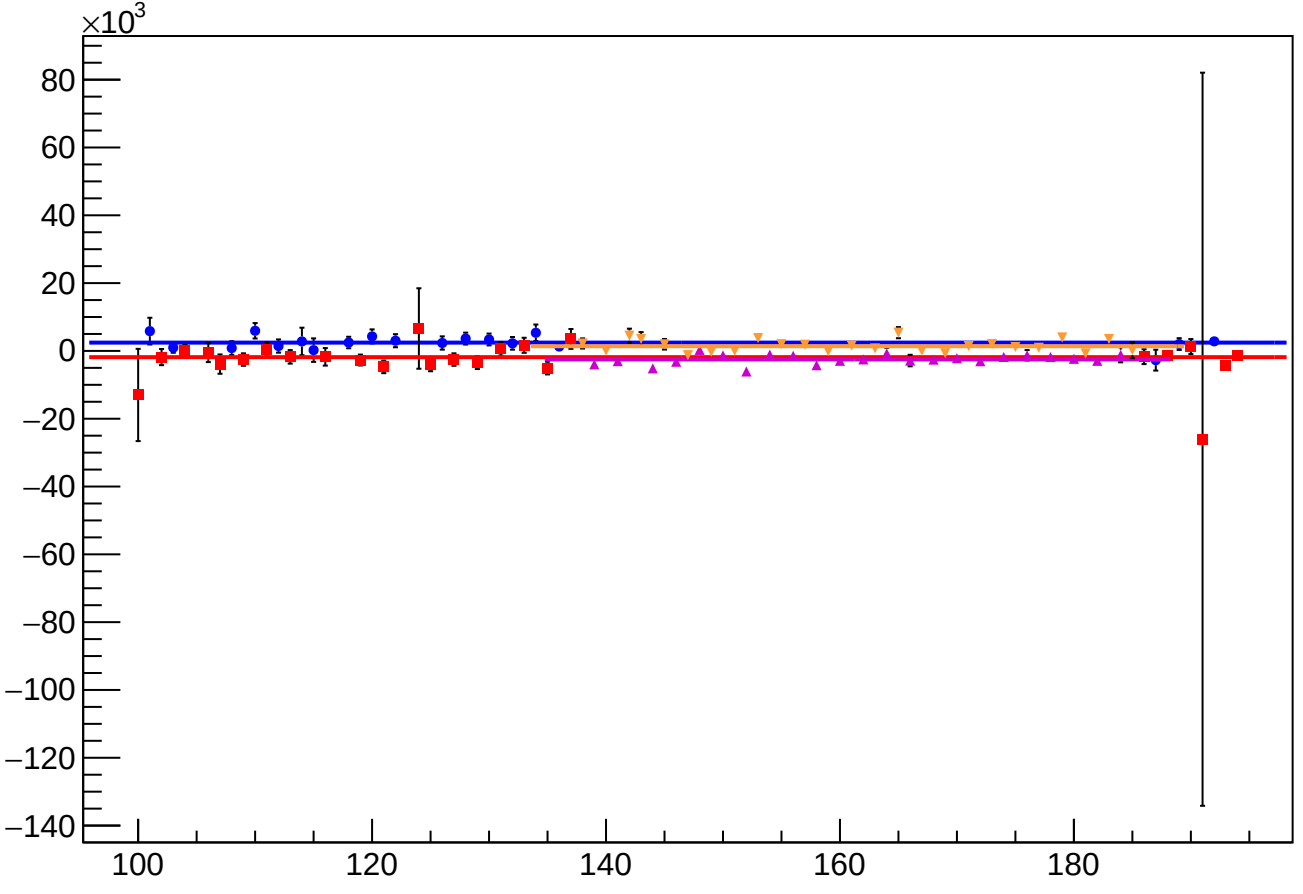
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8254510.5/43

All: 0.000+/-0.000 χ^2/NDF: 16432005.0/91

- sign 0.000+/-0.000 χ^2/NDF: 8016263.0/47

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: -1843.212+/-407.598 χ^2/NDF: 24.4/24

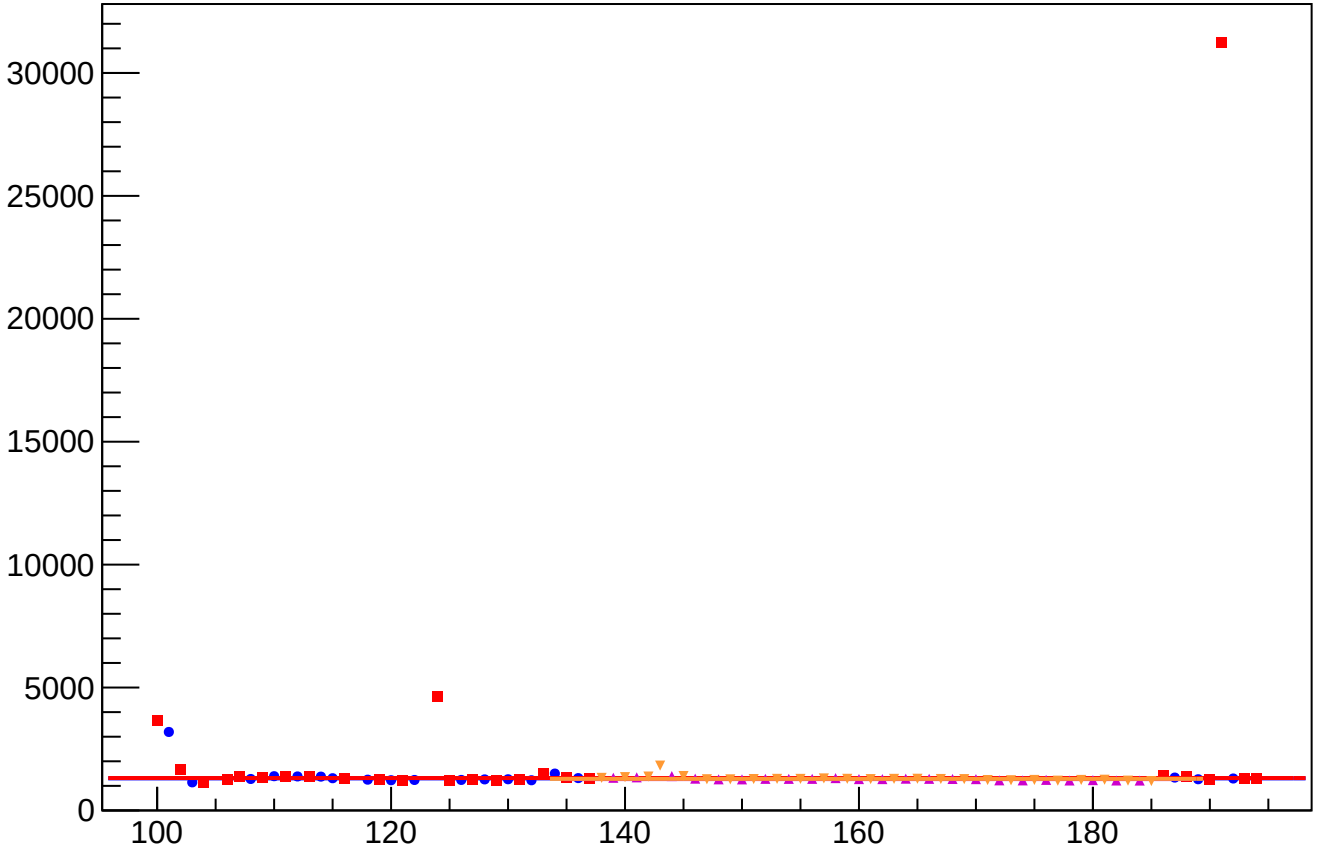
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1707.138+/-244.331 χ^2/NDF: 49.0/43

All: -318.897+/-171.439 χ^2/NDF: 233.1/91

- sign -2283.740+/-240.613 χ^2/NDF: 48.7/47

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

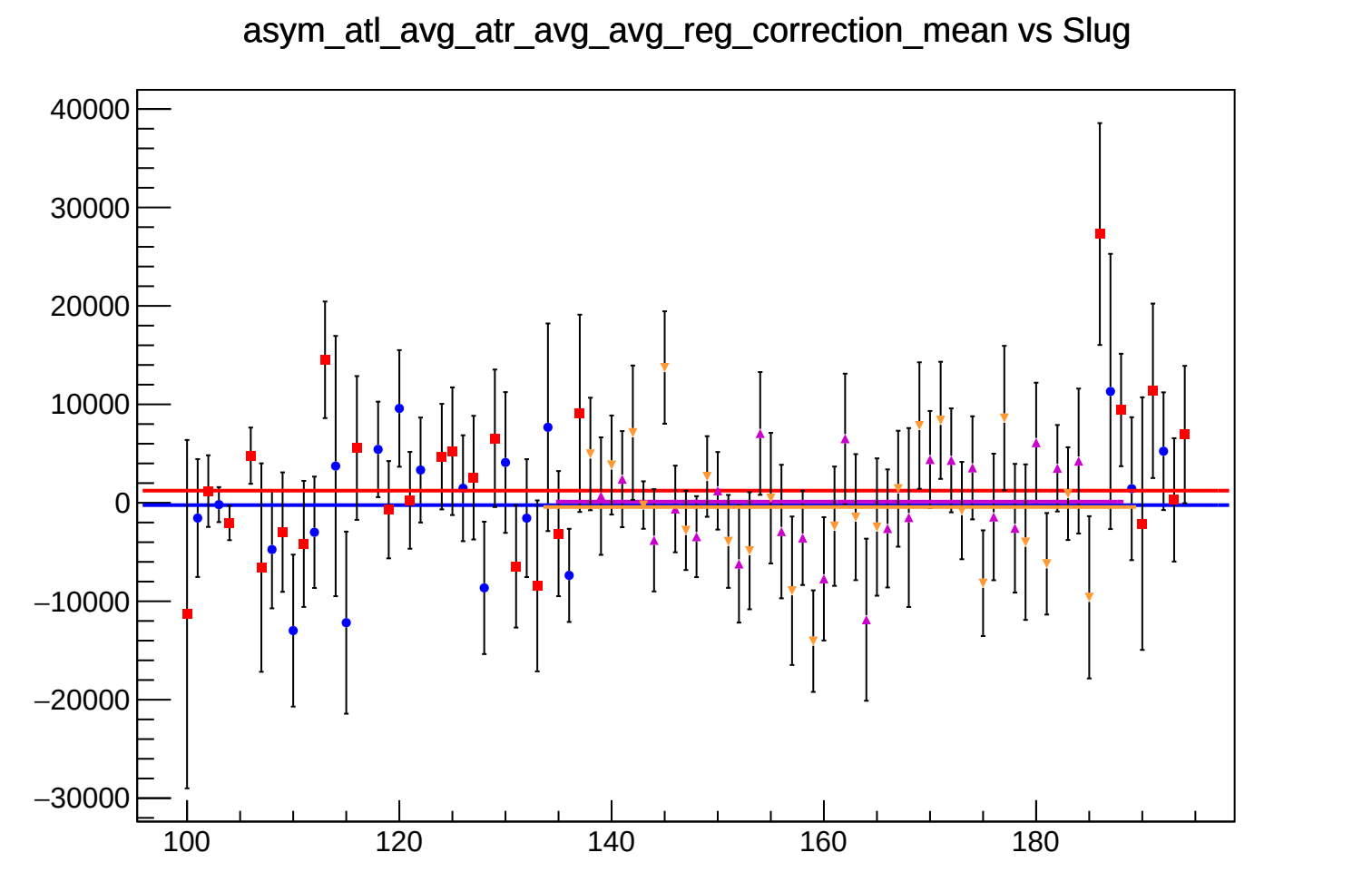
Right Out: 1319.125+/-0.288 χ^2/NDF: 488350.1/24

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.356+/-0.173 χ^2/NDF: 710909.1/43

All: 1291.188+/-0.121 χ^2/NDF: 1255321.8/91

- sign 1291.025+/-0.170 χ^2/NDF: 544410.9/47



Right In: -234.557+/-1150.978 χ^2/NDF: 16.4/18

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: 1233.680+/-999.445 χ^2/NDF: 27.7/24

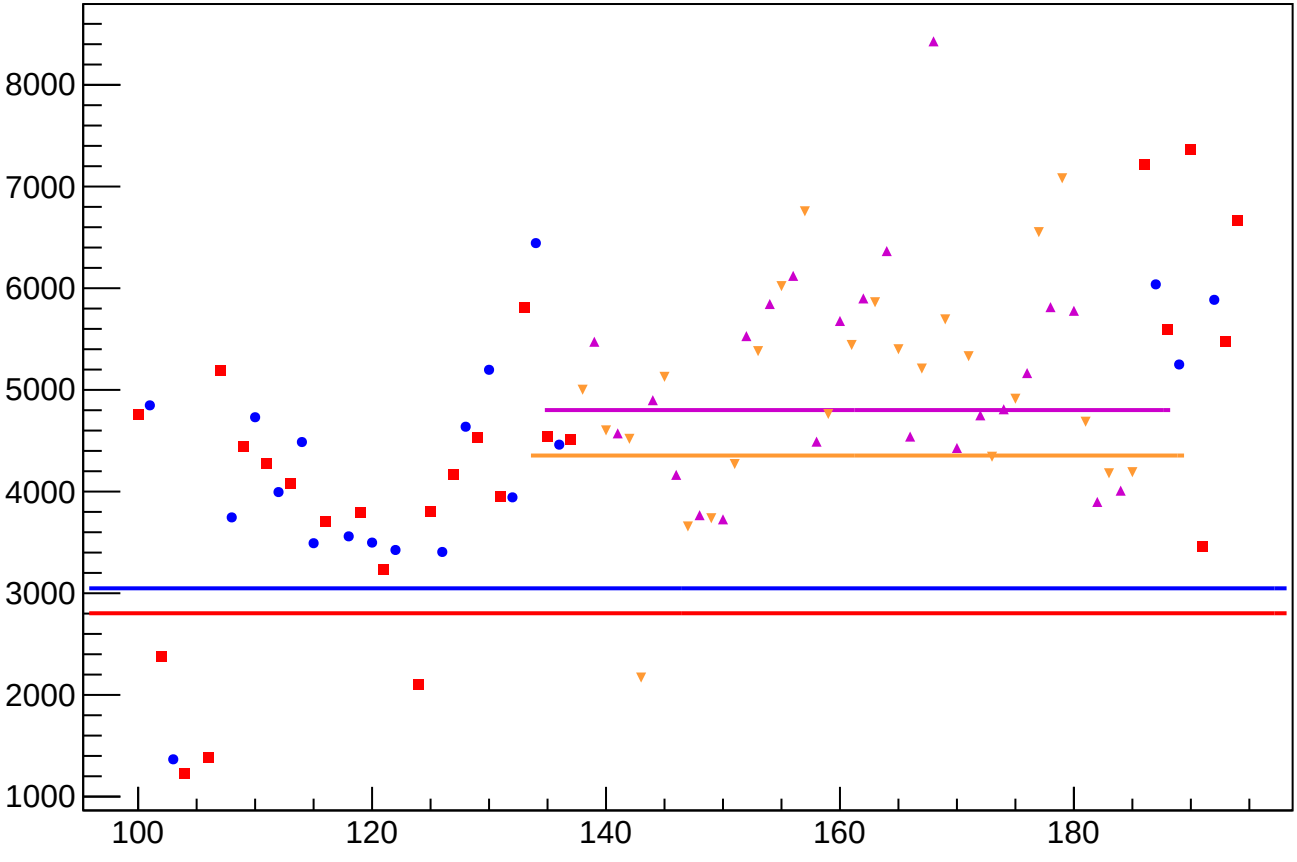
Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

\+ sign -341.525+/-770.849 χ^2/NDF: 46.2/43

All: 217.965+/-538.601 χ^2/NDF: 89.1/91

\- sign 751.652+/-752.864 χ^2/NDF: 41.8/47

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug



Right In: 3048.490+/-0.814 χ^2/NDF: 3683782.4/18

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

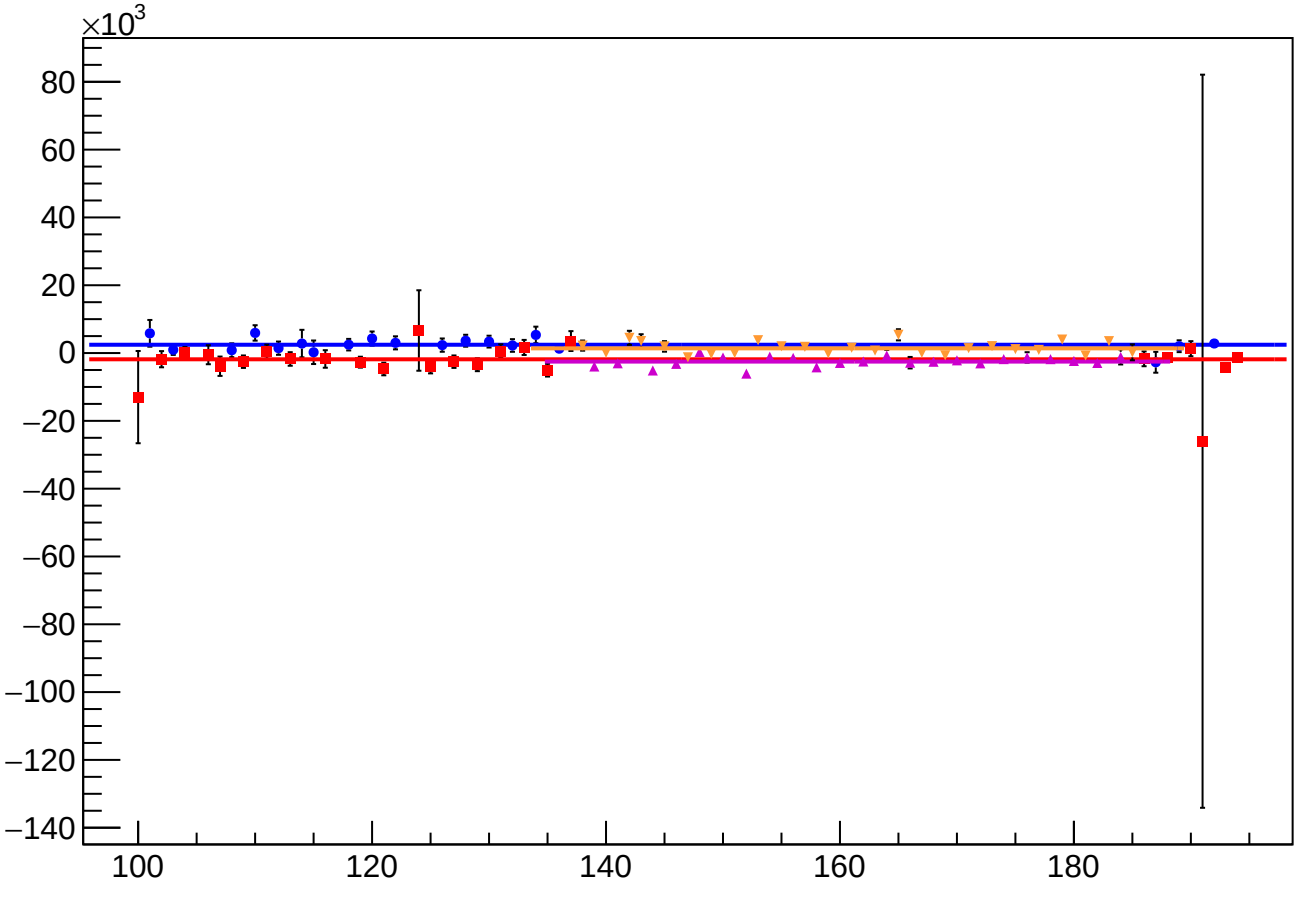
Right Out: 2803.201+/-0.707 χ^2/NDF: 5588255.3/24

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3768.713+/-0.545 χ^2/NDF: 8175315.1/43

All: 3716.978+/-0.381 χ^2/NDF: 18471795.7/9

- sign 3667.629+/-0.532 χ^2/NDF: 10278878.8/47



Right In: 2450.023+/-443.465 χ^2/NDF: 12.1/18

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1843.025+/-407.598 χ^2/NDF: 24.4/24

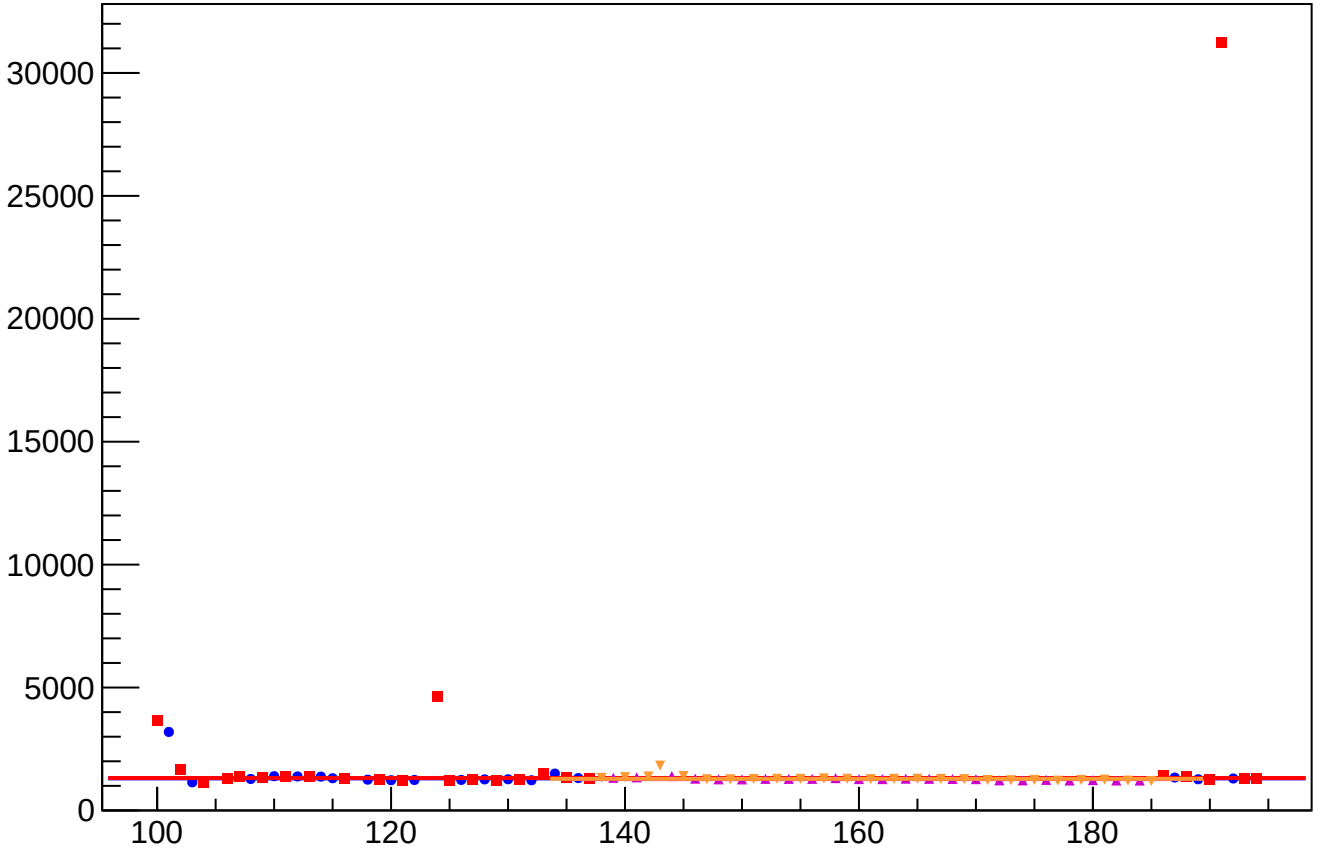
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1707.033+/-244.331 χ^2/NDF: 49.0/43

All: -318.916+/-171.439 χ^2/NDF: 233.1/91

- sign -2283.676+/-240.613 χ^2/NDF: 48.7/47

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

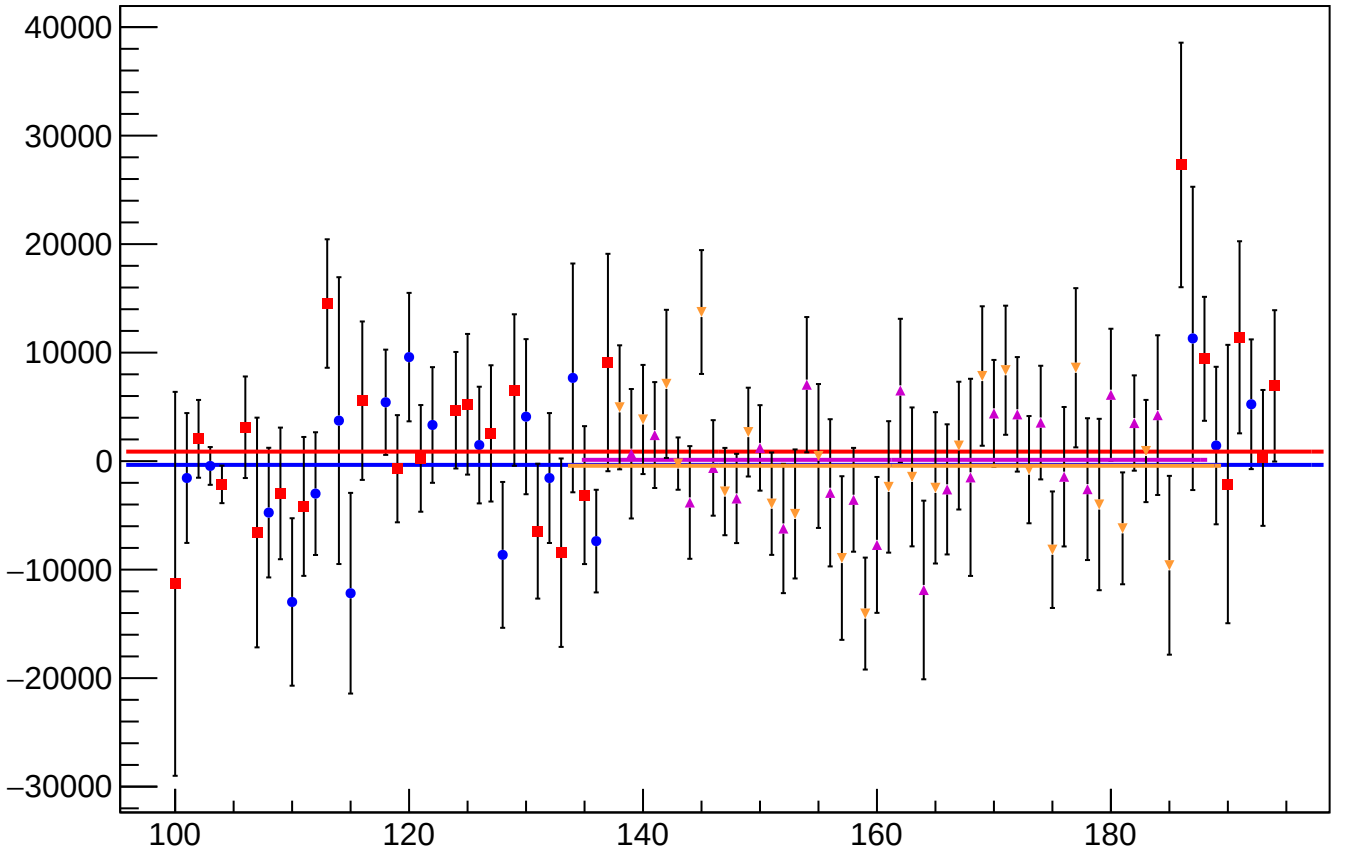
Right Out: 1319.896+/-0.288 χ^2/NDF: 487802.1/24

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.356+/-0.173 χ^2/NDF: 710910.5/43

All: 1291.319+/-0.121 χ^2/NDF: 1255290.9/91

- sign 1291.284+/-0.170 χ^2/NDF: 544380.3/47



Right In: -345.941+/-1141.601 χ^2/NDF: 16.4/18

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

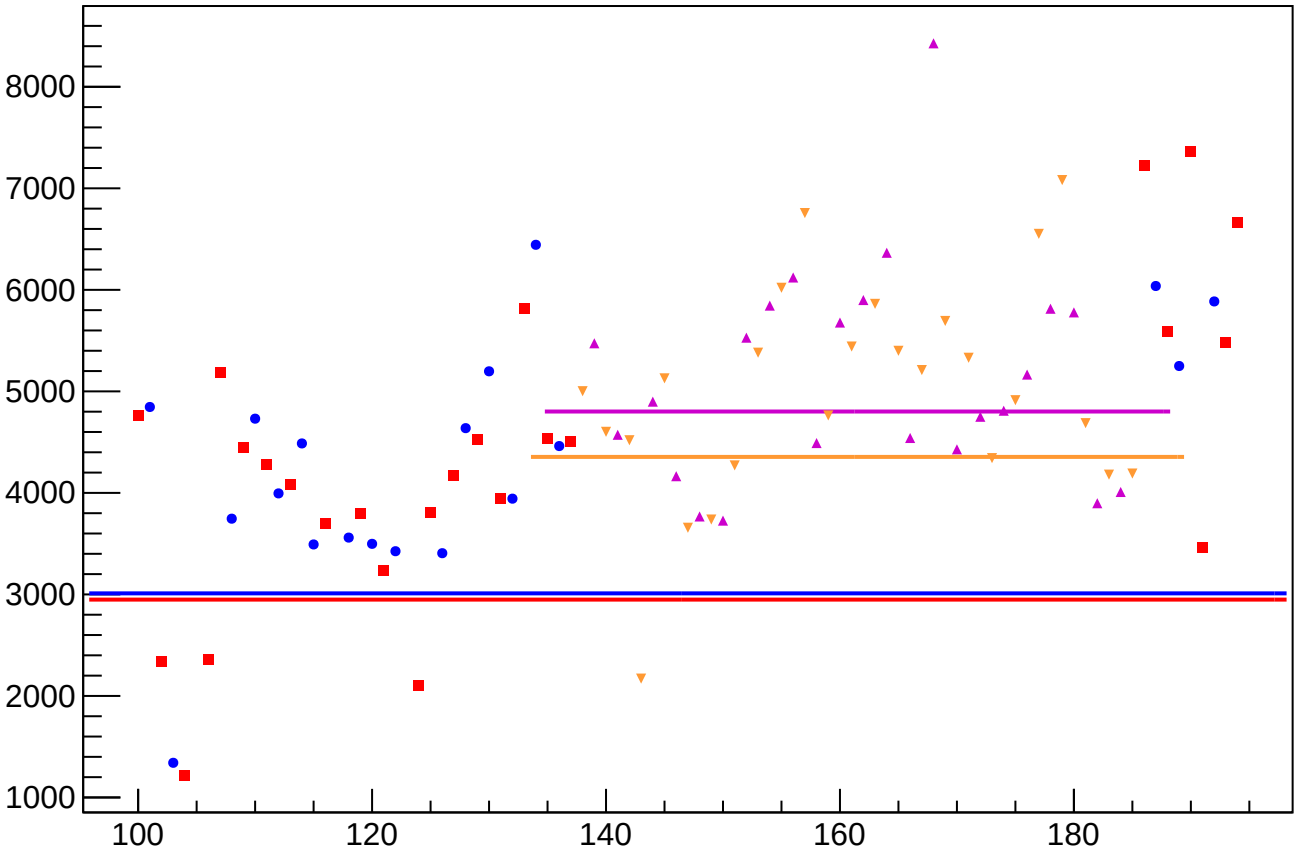
Right Out: 875.835+/-1035.524 χ^2/NDF: 26.5/24

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

\+ sign -391.148+/-768.012 χ^2/NDF: 46.2/43

All: 72.155+/-543.037 χ^2/NDF: 87.3/91

\- sign 535.358+/-767.929 χ^2/NDF: 40.3/47



Right In: 3010.369+/-0.807 χ^2/NDF: 3808094.0/18

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

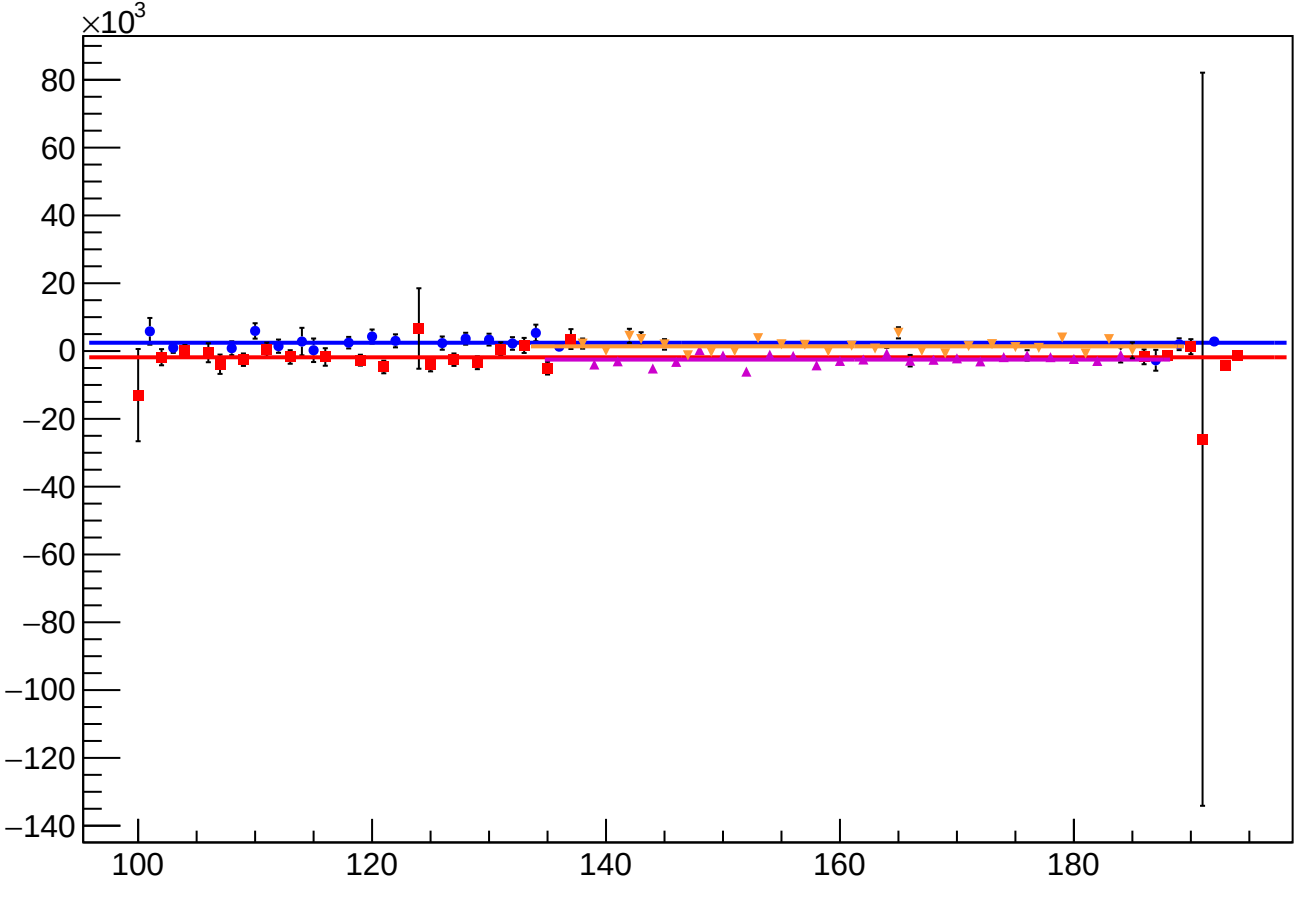
Right Out: 2948.919+/-0.732 χ^2/NDF: 5135636.7/24

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3746.163+/-0.543 χ^2/NDF: 8397380.2/43

All: 3764.438+/-0.384 χ^2/NDF: 17648283.4/9

- sign 3782.708+/-0.543 χ^2/NDF: 9248638.8/47



Right In: 2450.023+/-443.465 χ^2/NDF: 12.1/18

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1843.025+/-407.598 χ^2/NDF: 24.4/24

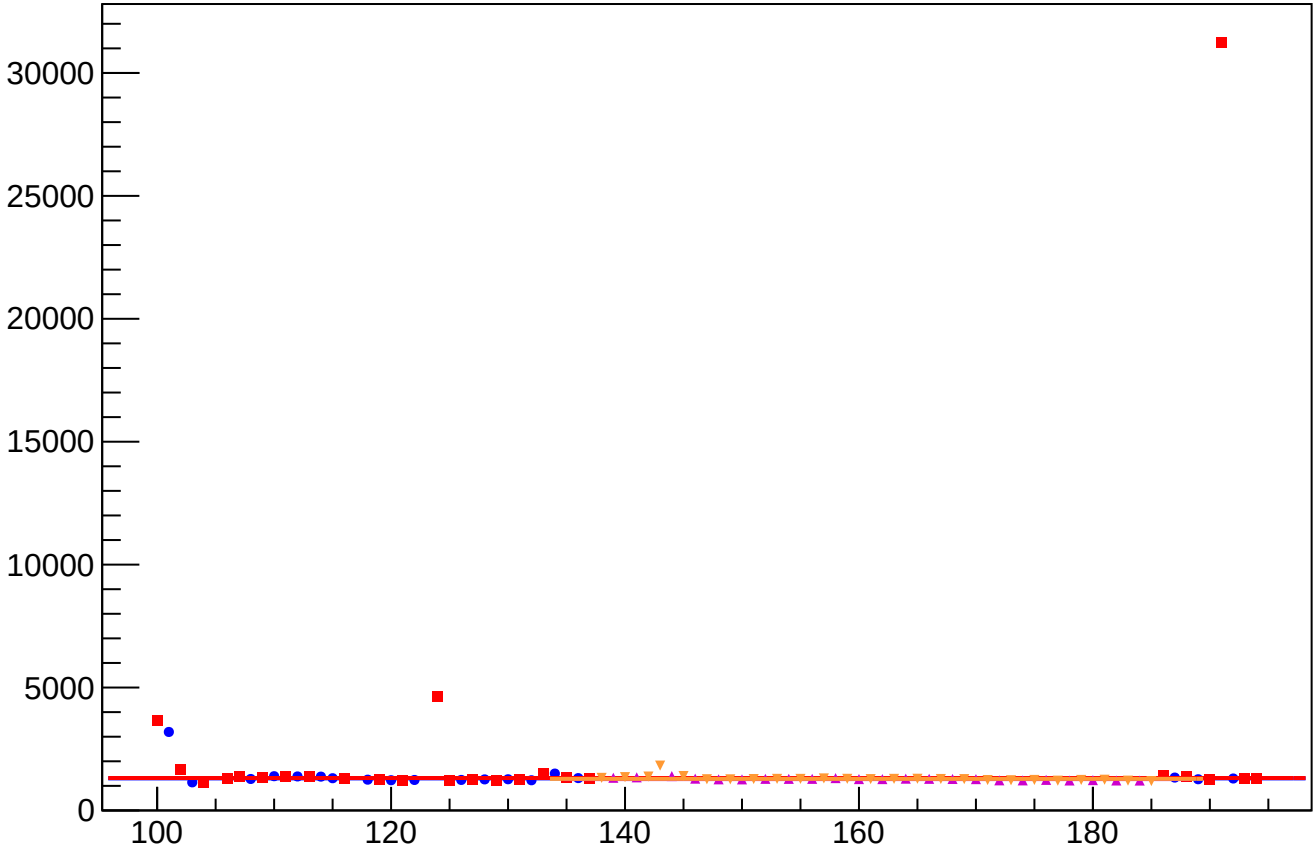
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1707.033+/-244.331 χ^2/NDF: 49.0/43

All: -318.916+/-171.439 χ^2/NDF: 233.1/91

- sign -2283.676+/-240.613 χ^2/NDF: 48.7/47

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

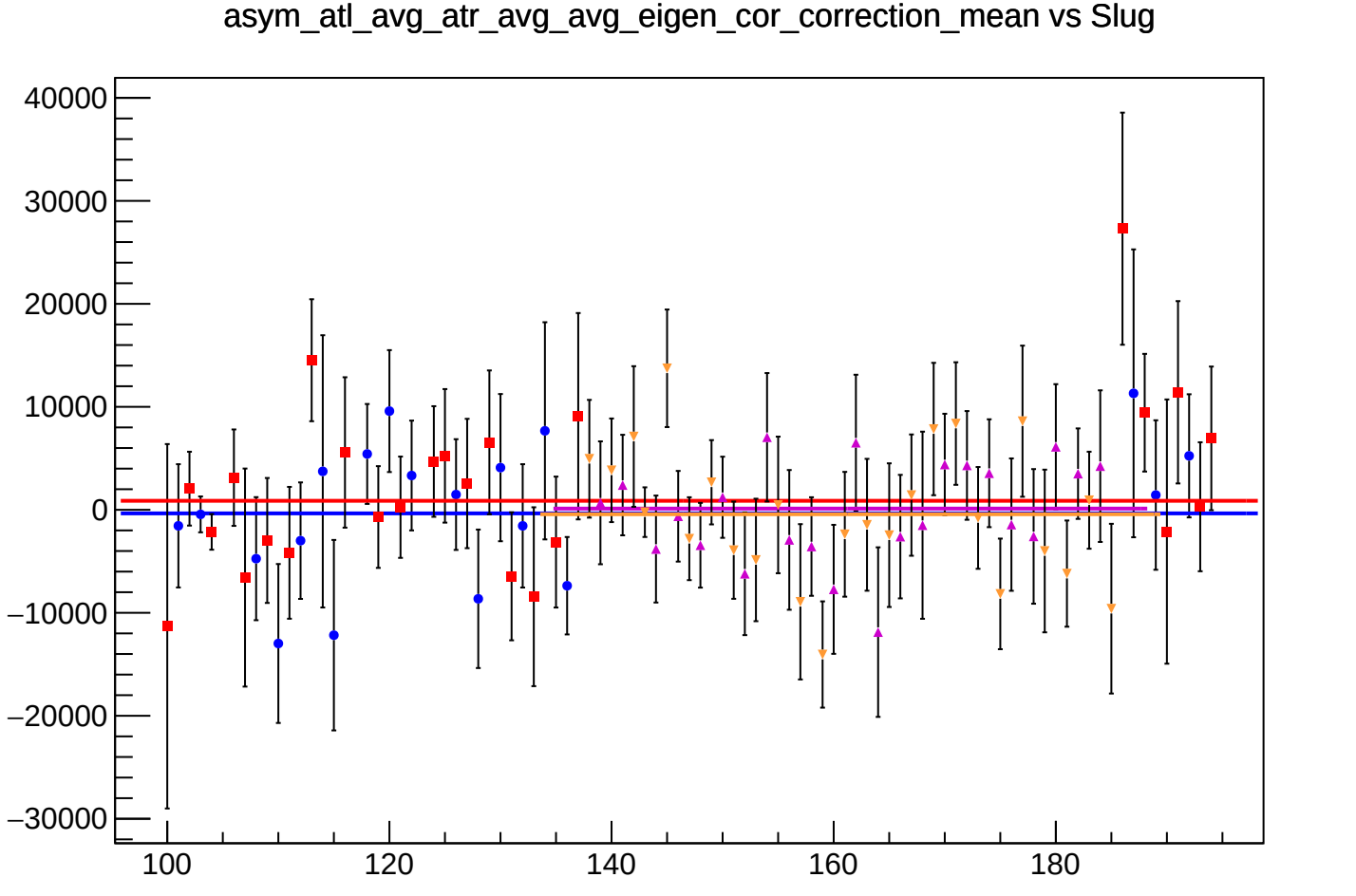
Right Out: 1319.896+/-0.288 χ^2/NDF: 487802.1/24

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.356+/-0.173 χ^2/NDF: 710910.5/43

All: 1291.319+/-0.121 χ^2/NDF: 1255290.9/91

- sign 1291.284+/-0.170 χ^2/NDF: 544380.3/47



Right In: -345.941+/-1141.601 χ^2/NDF: 16.4/18

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

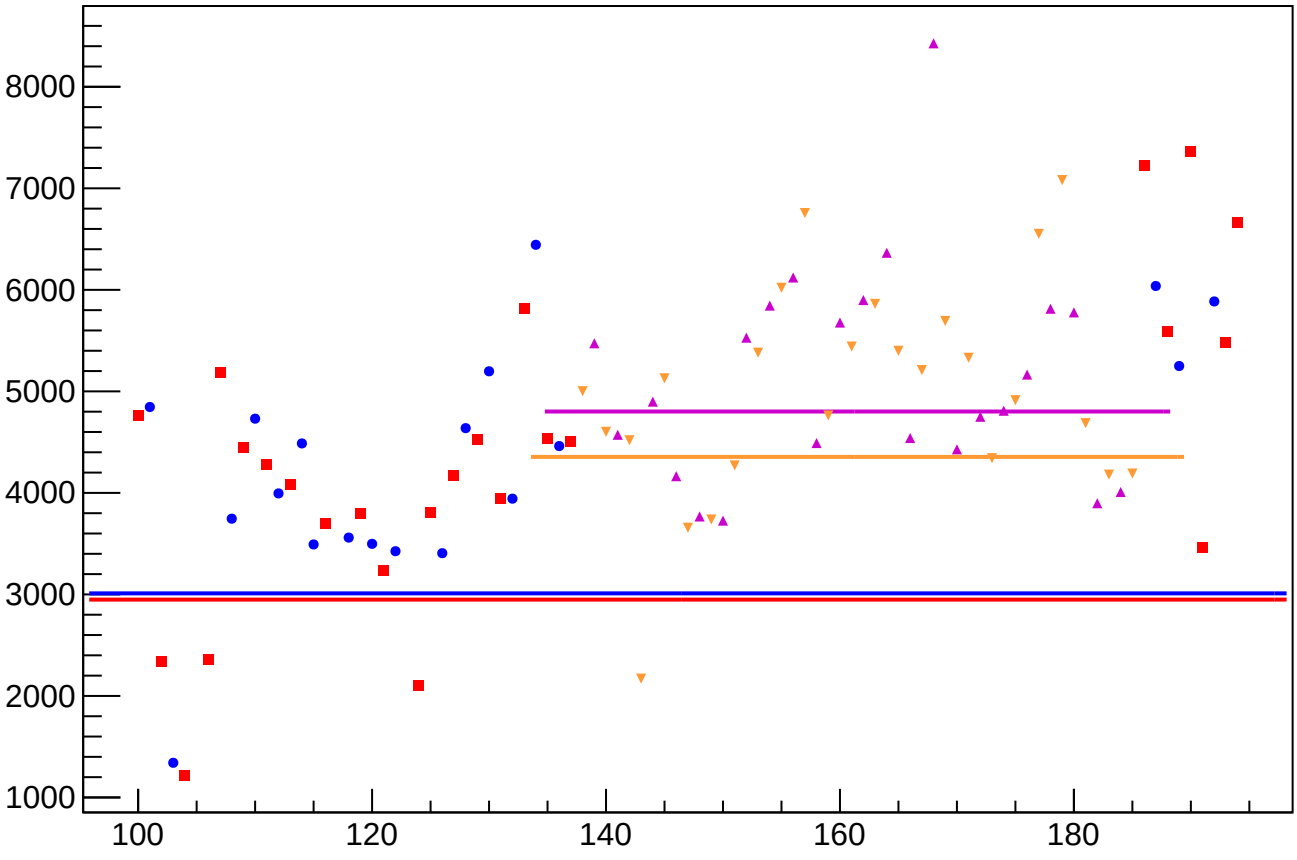
Right Out: 875.835+/-1035.524 χ^2/NDF: 26.5/24

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -391.148+/-768.012 χ^2/NDF: 46.2/43

All: 72.155+/-543.037 χ^2/NDF: 87.3/91

- sign 535.358+/-767.929 χ^2/NDF: 40.3/47



Right In: 3010.369+/-0.807 χ^2/NDF: 3808094.0/18

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2948.919+/-0.732 χ^2/NDF: 5135636.7/24

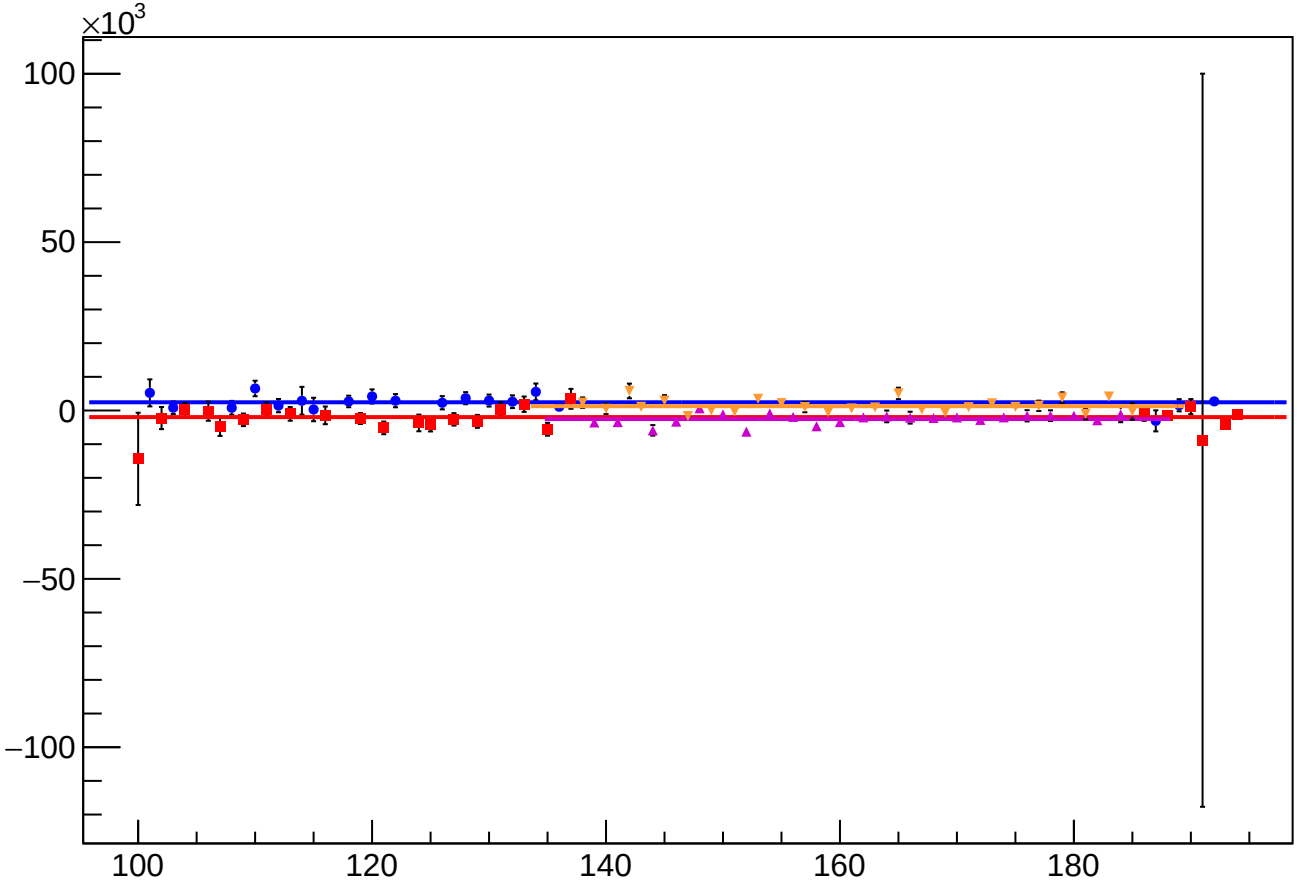
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3746.163+/-0.543 χ^2/NDF: 8397380.2/43

All: 3764.438+/-0.384 χ^2/NDF: 17648283.4/9

- sign 3782.708+/-0.543 χ^2/NDF: 9248638.8/47

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: -1958.674+/-414.965 χ^2/NDF: 25.5/24

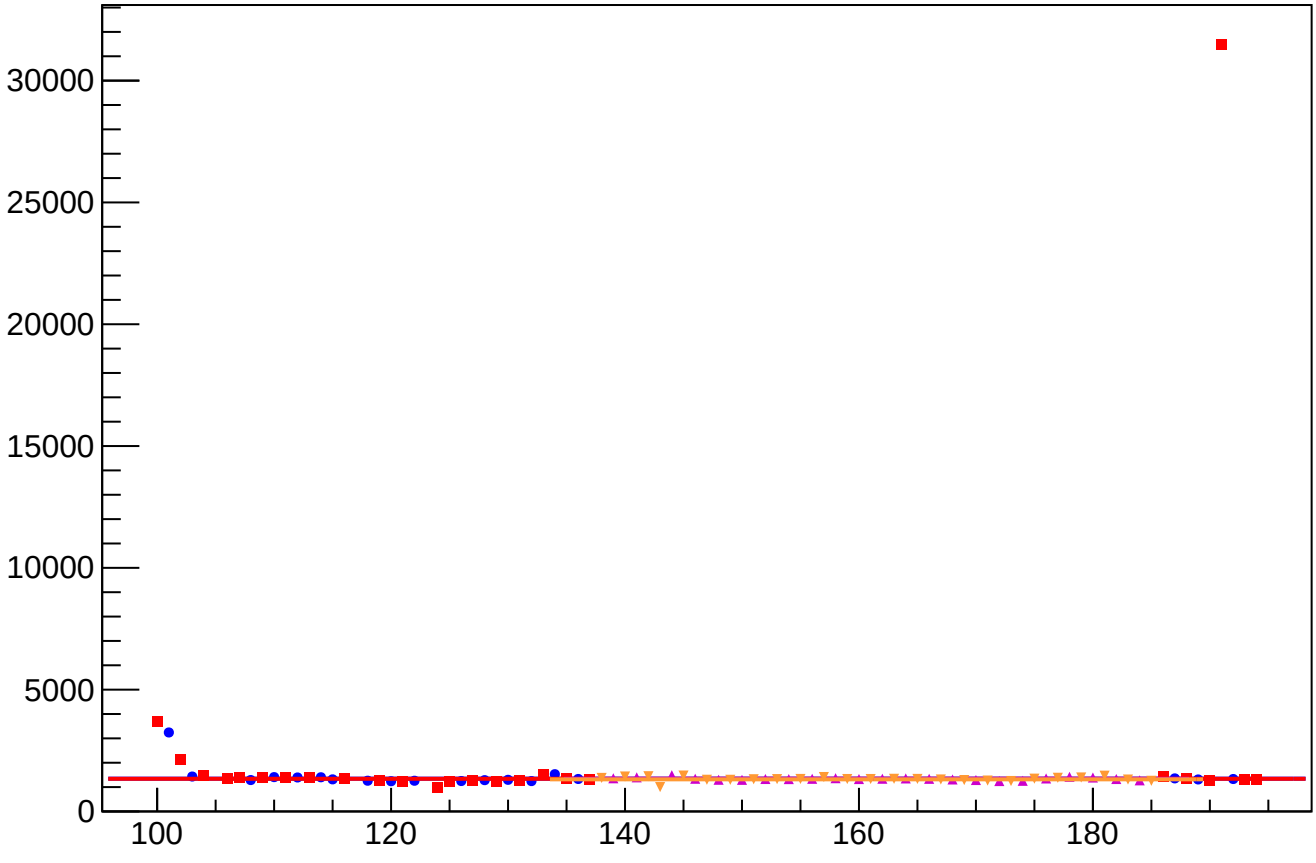
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1633.071+/-251.172 χ^2/NDF: 50.7/43

All: -356.111+/-177.128 χ^2/NDF: 227.2/91

- sign -2324.059+/-249.828 χ^2/NDF: 51.7/47

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

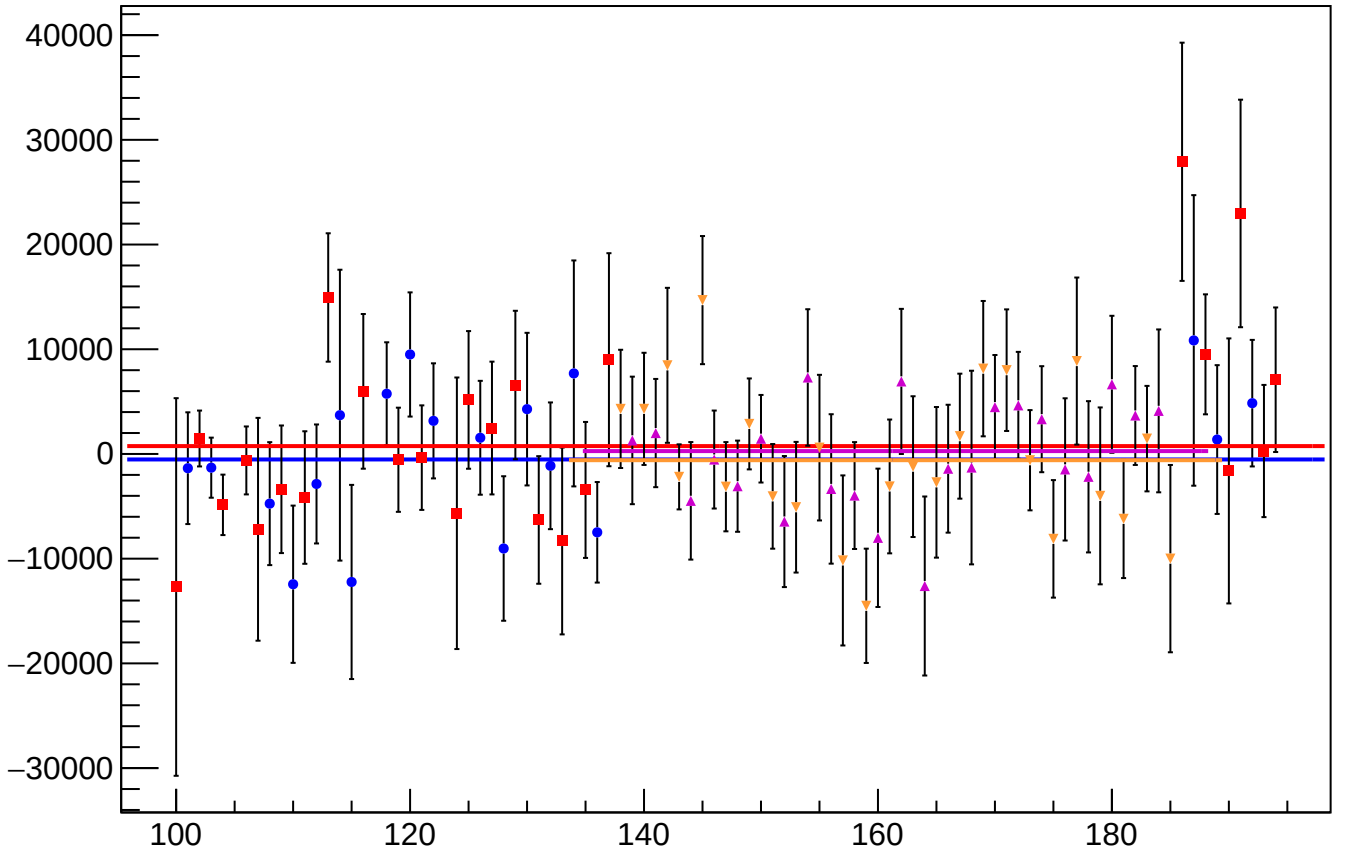
Right Out: 1341.289+/-0.293 χ^2/NDF: 433226.9/24

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1326.564+/-0.178 χ^2/NDF: 748819.9/43

All: 1333.106+/-0.125 χ^2/NDF: 1239047.8/91

- sign 1339.577+/-0.177 χ^2/NDF: 487528.9/47



Right In: -525.547+/-1337.071 χ^2/NDF: 16.2/18

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

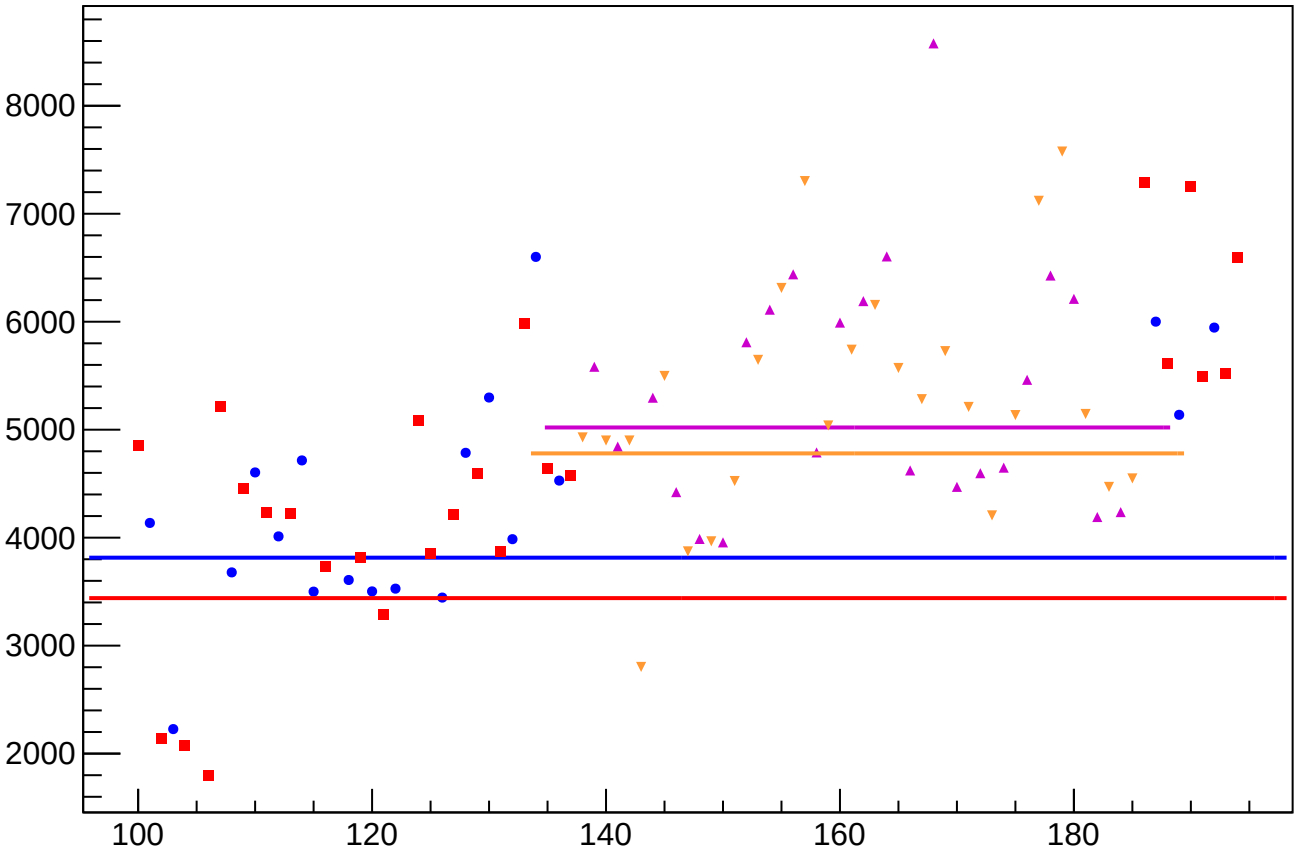
Right Out: 750.890+/-1124.701 χ^2/NDF: 30.2/24

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -566.244+/-859.610 χ^2/NDF: 45.8/43

All: 6.279+/-593.181 χ^2/NDF: 90.3/91

- sign 526.733+/-819.589 χ^2/NDF: 43.7/47



Right In: 3814.713+/-0.945 χ^2/NDF: 1348890.3/18

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3440.097+/-0.795 χ^2/NDF: 3433065.6/24

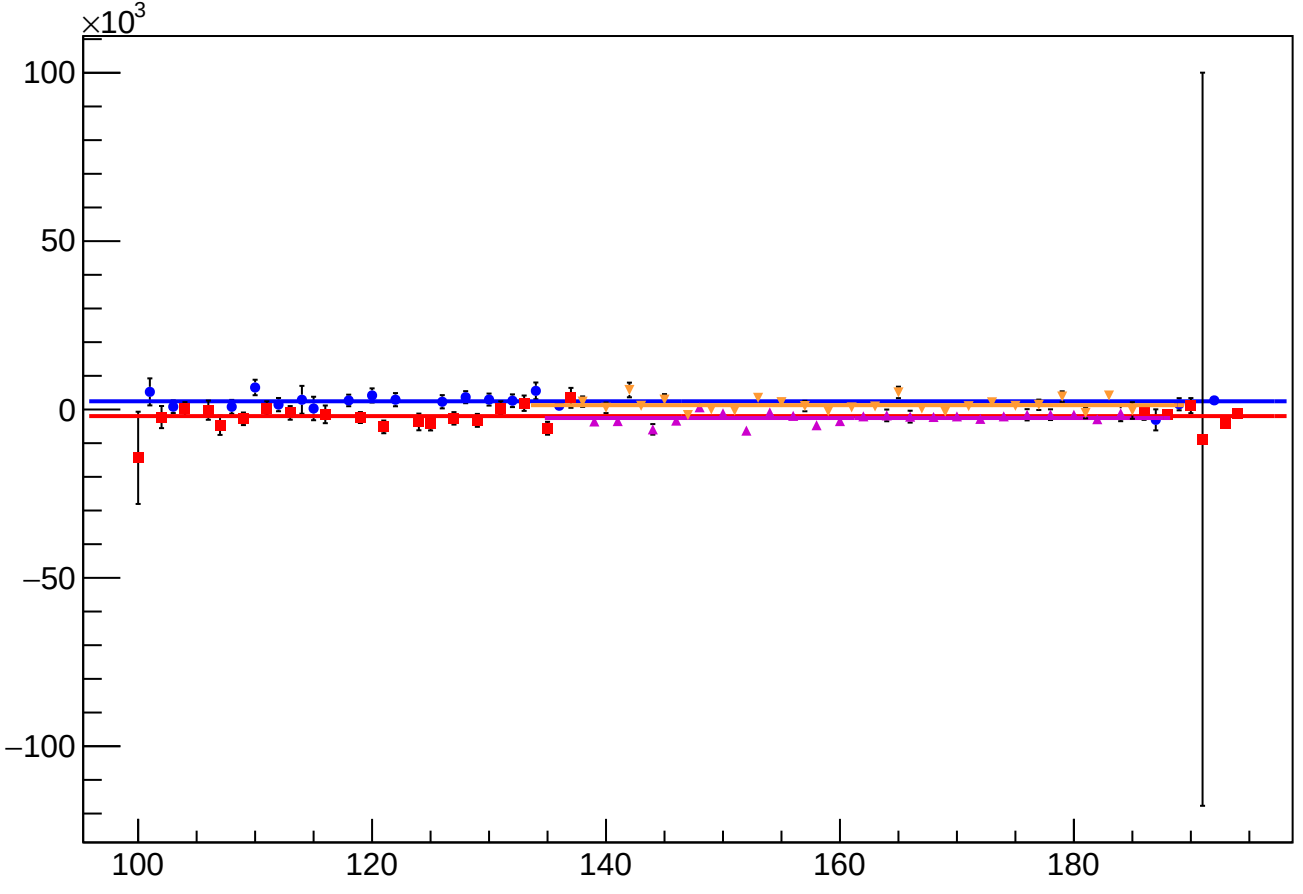
Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4381.252+/-0.608 χ^2/NDF: 3967184.2/43

All: 4276.507+/-0.419 χ^2/NDF: 10534159.0/9

- sign 4181.288+/-0.580 χ^2/NDF: 6510283.8/47

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: -1958.674+/-414.965 χ^2/NDF: 25.5/24

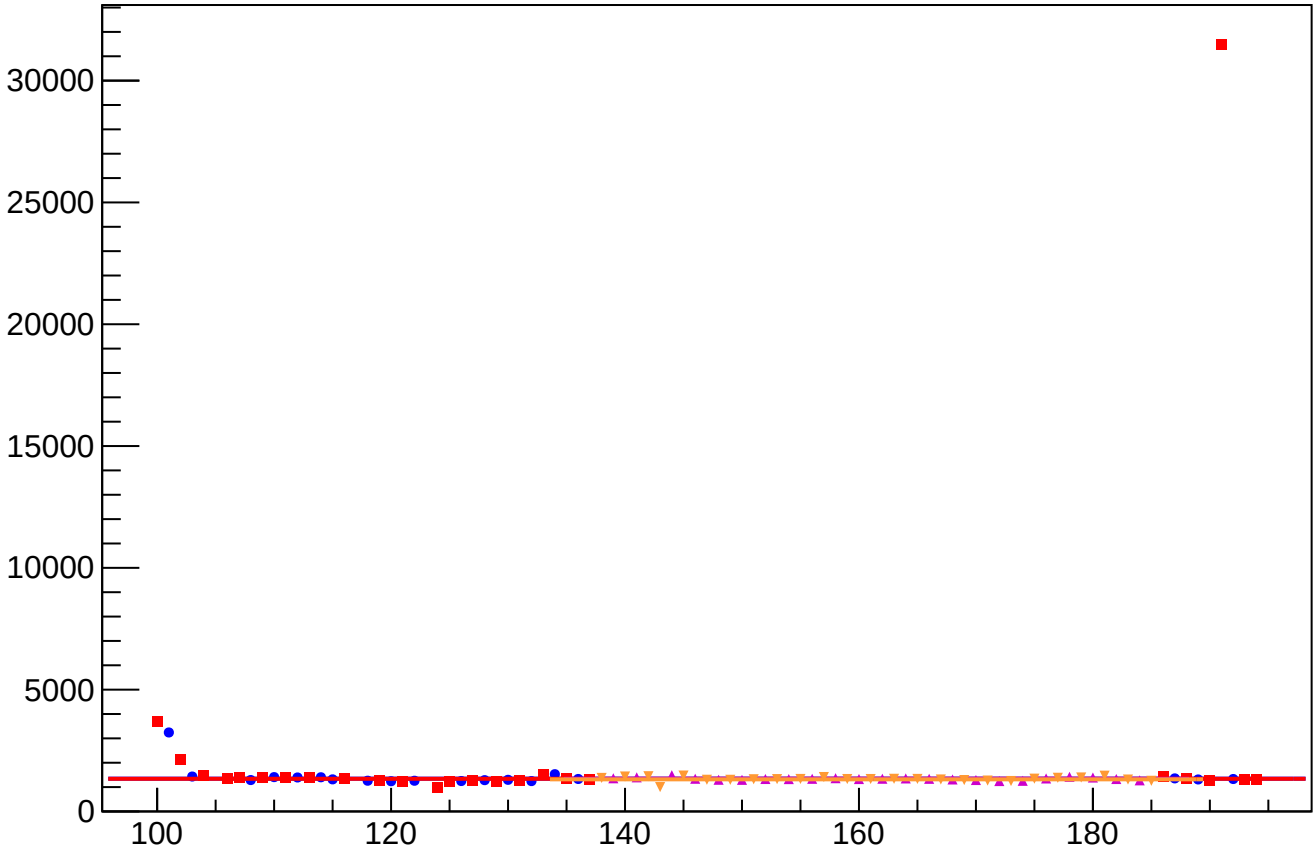
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1633.069+/-251.172 χ^2/NDF: 50.7/43

All: -356.112+/-177.128 χ^2/NDF: 227.2/91

- sign -2324.059+/-249.828 χ^2/NDF: 51.7/47

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

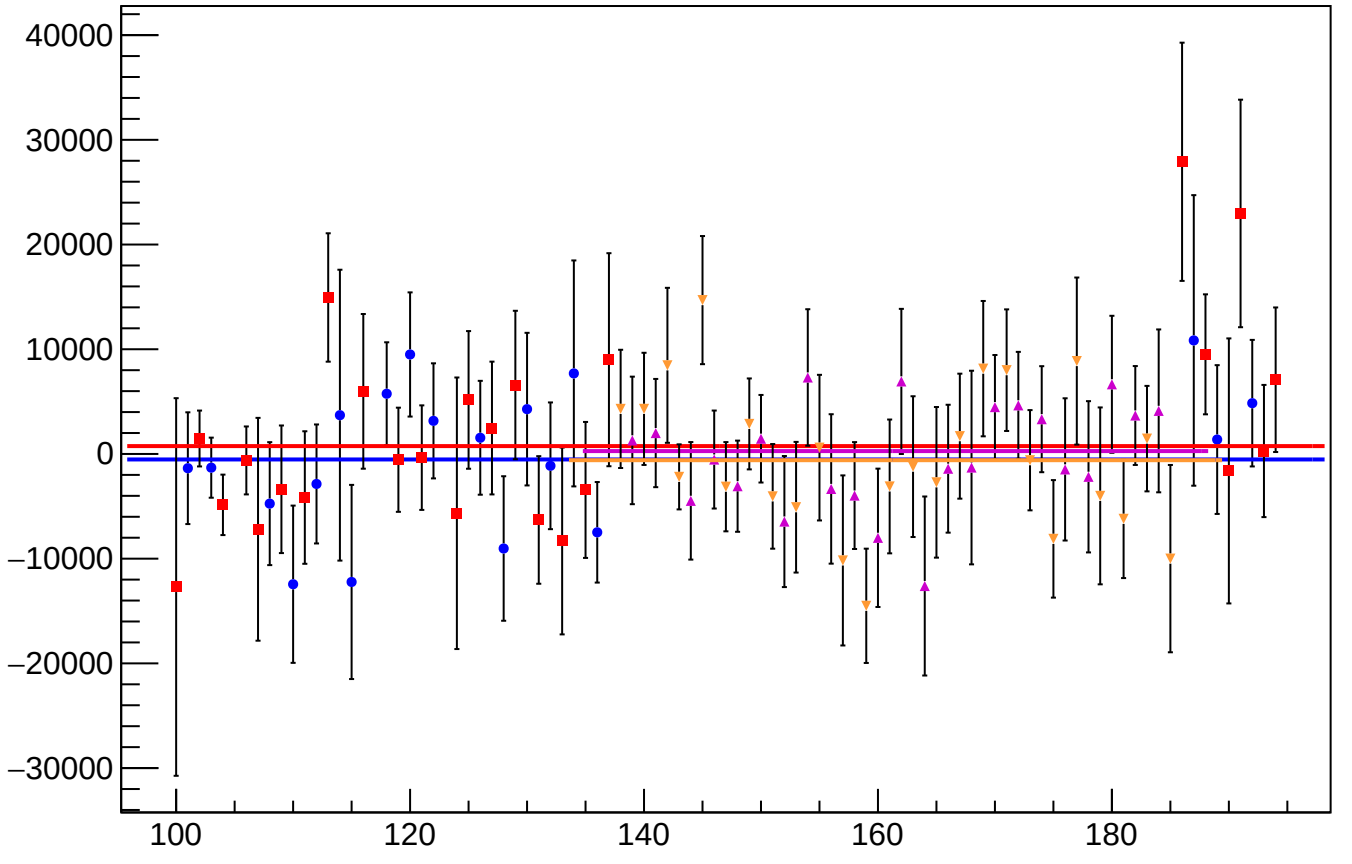
Right Out: 1341.289+/-0.293 χ^2/NDF: 433225.8/24

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1326.565+/-0.178 χ^2/NDF: 748821.9/43

All: 1333.107+/-0.125 χ^2/NDF: 1239051.2/91

- sign 1339.578+/-0.177 χ^2/NDF: 487530.2/47



Right In: -525.541+/-1337.068 χ^2/NDF: 16.2/18

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

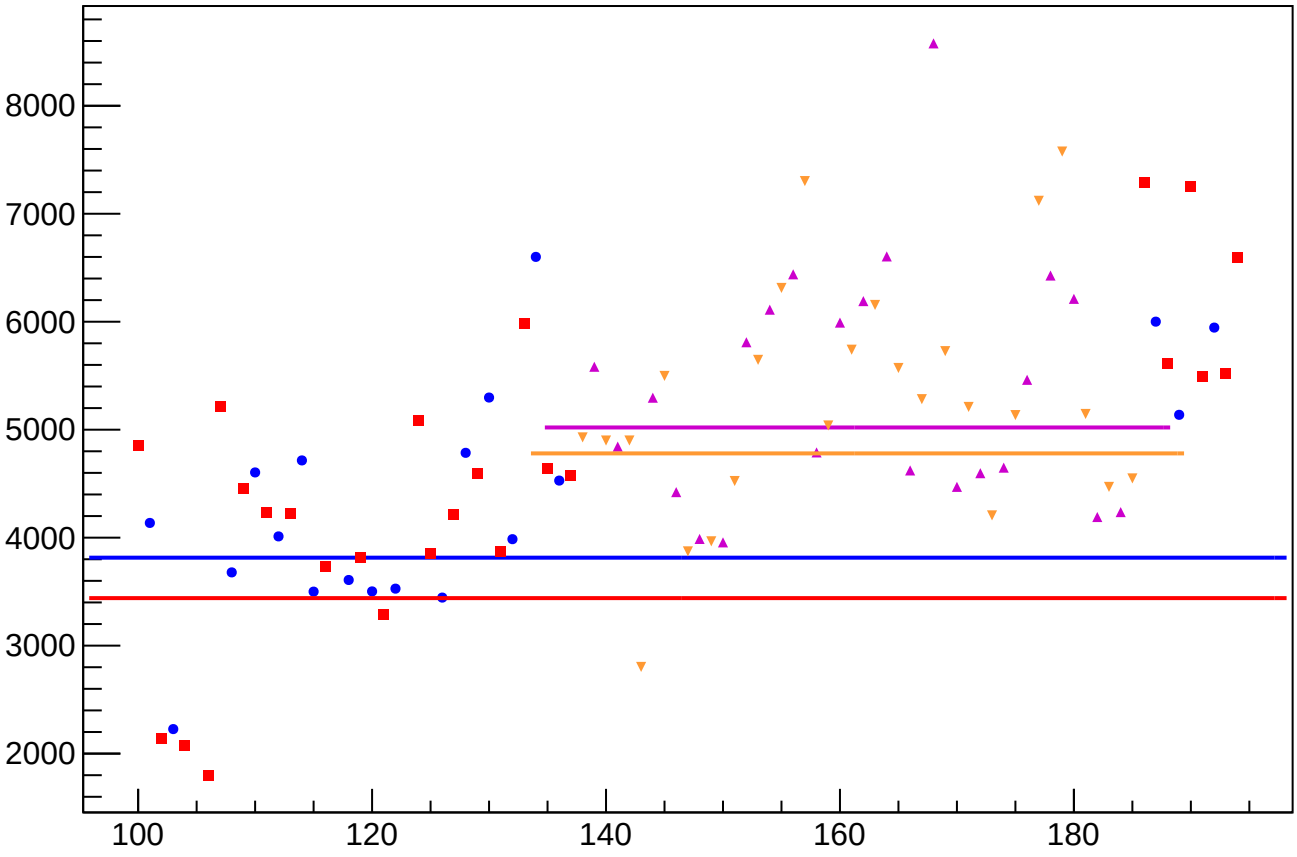
Right Out: 750.883+/-1124.698 χ^2/NDF: 30.2/24

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -566.244+/-859.610 χ^2/NDF: 45.8/43

All: 6.279+/-593.181 χ^2/NDF: 90.3/91

- sign 526.731+/-819.589 χ^2/NDF: 43.7/47



Right In: 3814.704+/-0.945 χ^2/NDF: 1348898.2/18

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3440.088+/-0.795 χ^2/NDF: 3433081.0/24

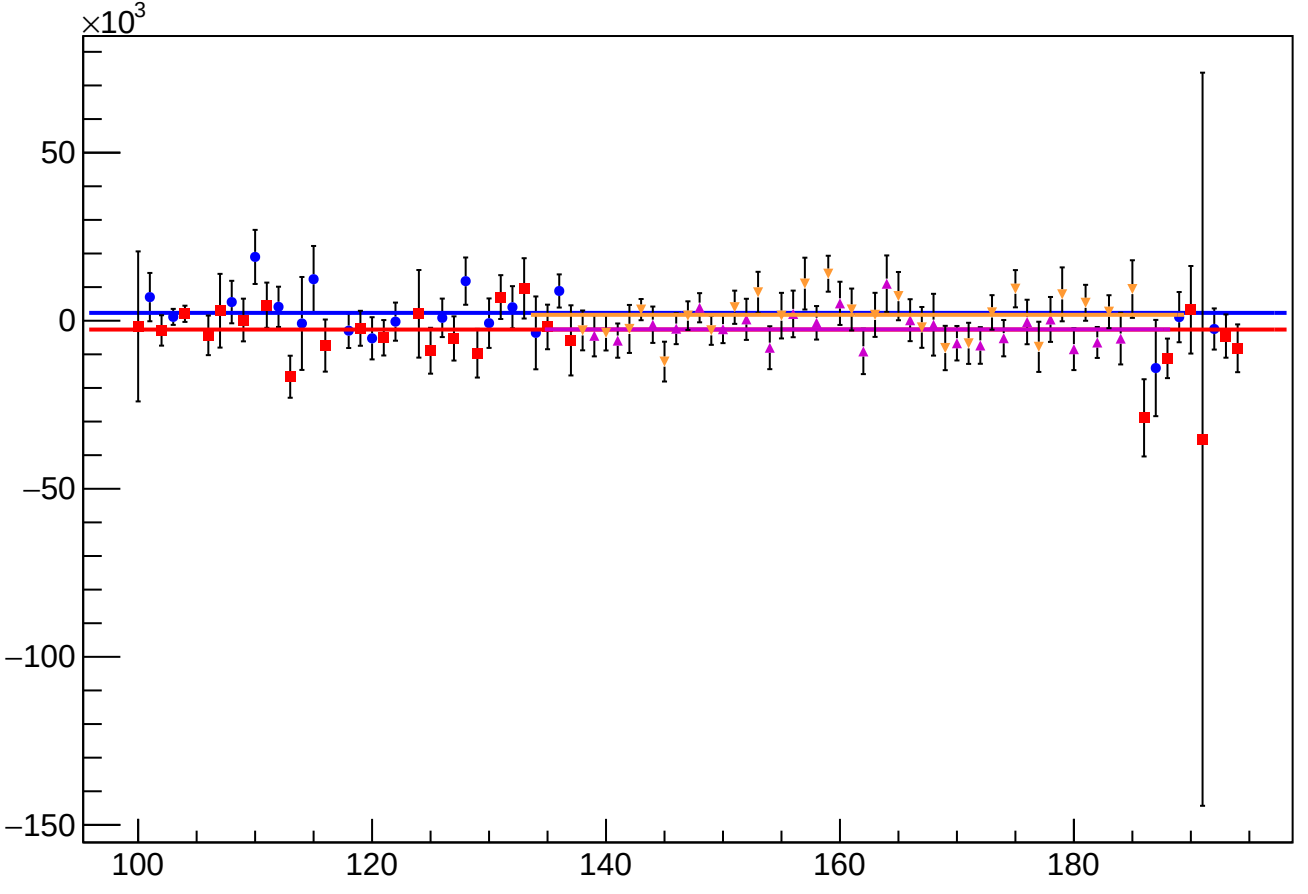
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4381.252+/-0.608 χ^2/NDF: 3967215.1/43

All: 4276.504+/-0.419 χ^2/NDF: 10534250.3/9

- sign 4181.284+/-0.580 χ^2/NDF: 6510342.3/47

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: -2625.310+/-1244.376 χ^2/NDF: 25.7/24

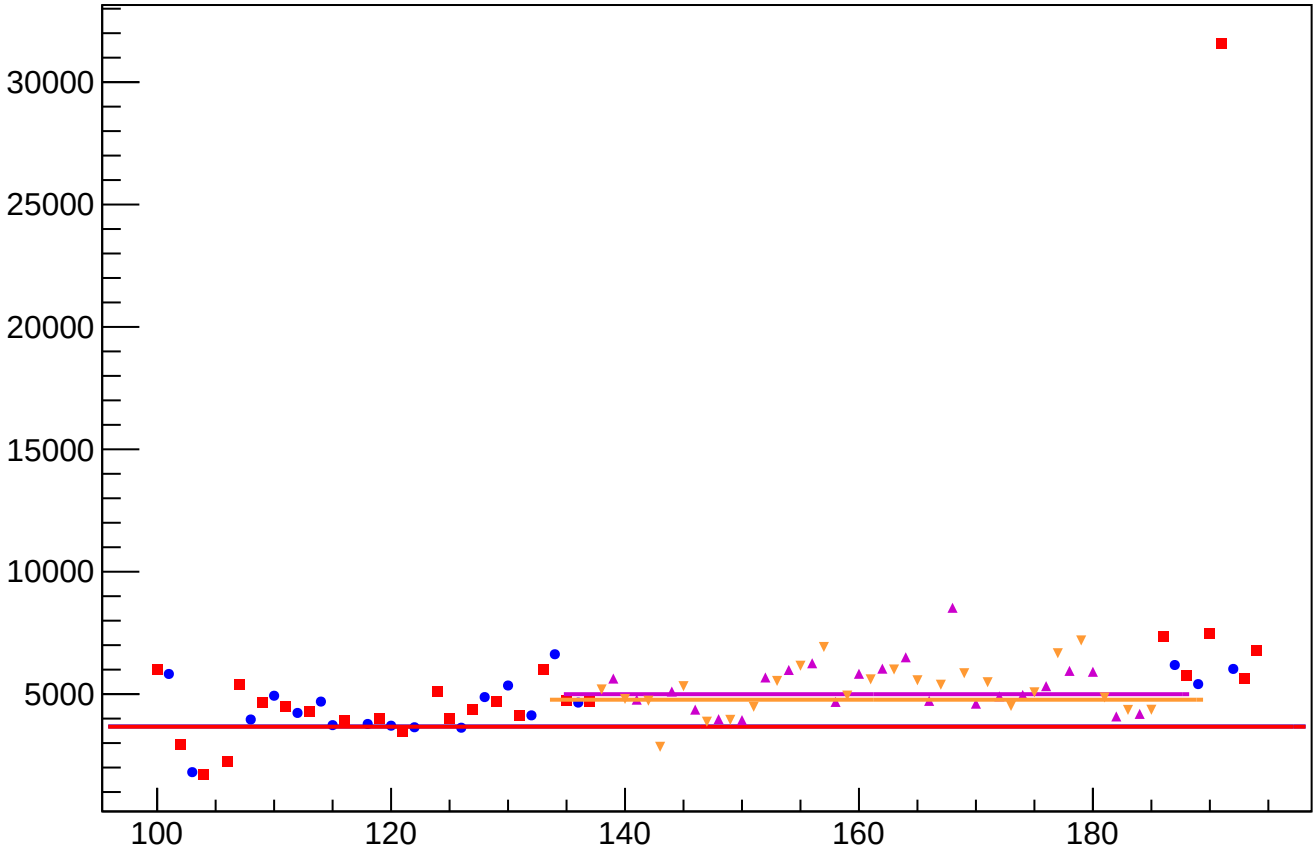
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 1999.441+/-854.351 χ^2/NDF: 43.0/43

All: -287.384+/-605.913 χ^2/NDF: 96.4/91

- sign -2601.593+/-859.451 χ^2/NDF: 39.0/47

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

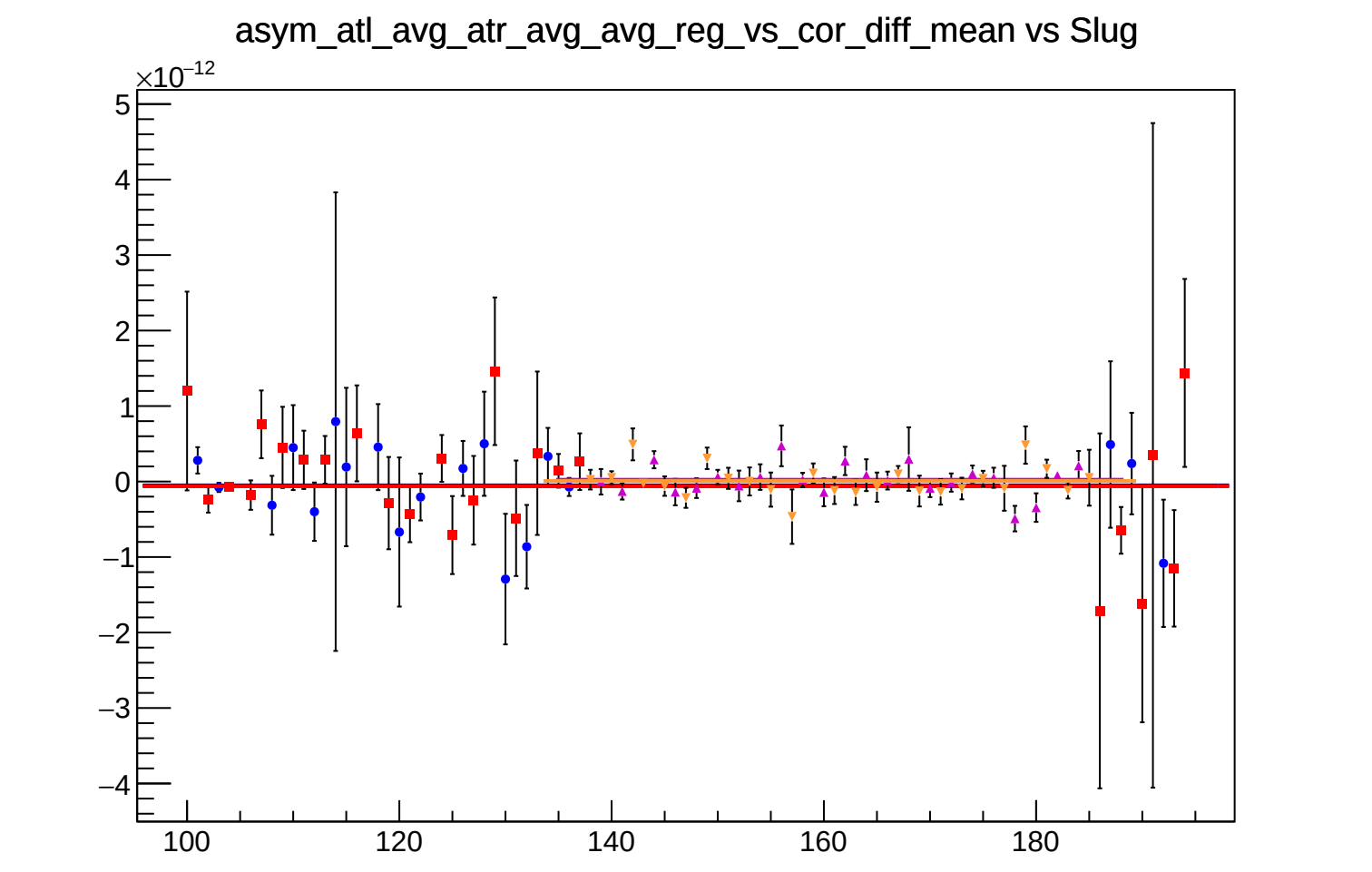
Right Out: 3668.471+/-0.869 χ^2/NDF: 3384609.4/24

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4318.557+/-0.604 χ^2/NDF: 4931802.2/43

All: 4336.872+/-0.427 χ^2/NDF: 10620724.8/9

- sign 4355.196+/-0.604 χ^2/NDF: 5687083.9/47



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

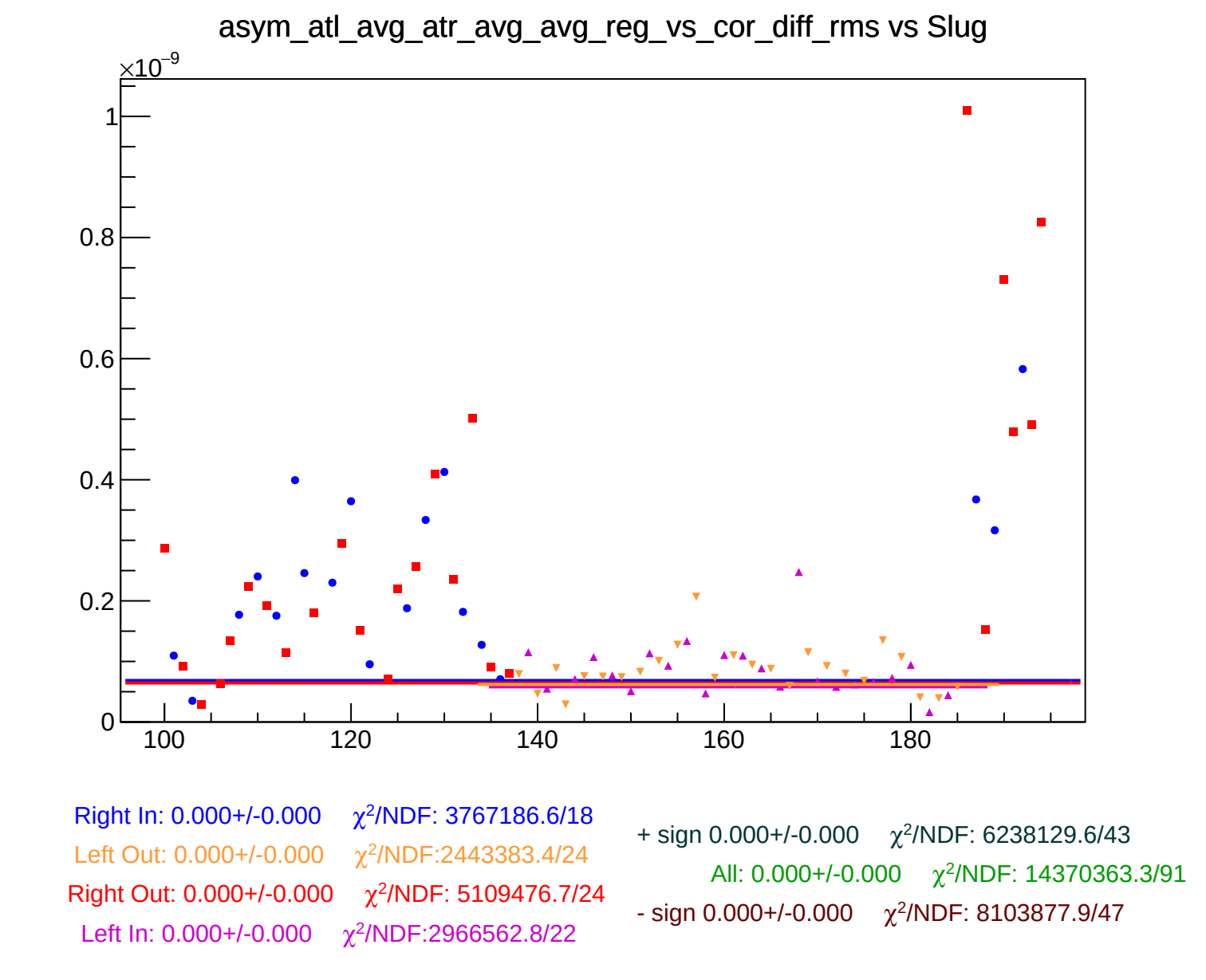
Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/24

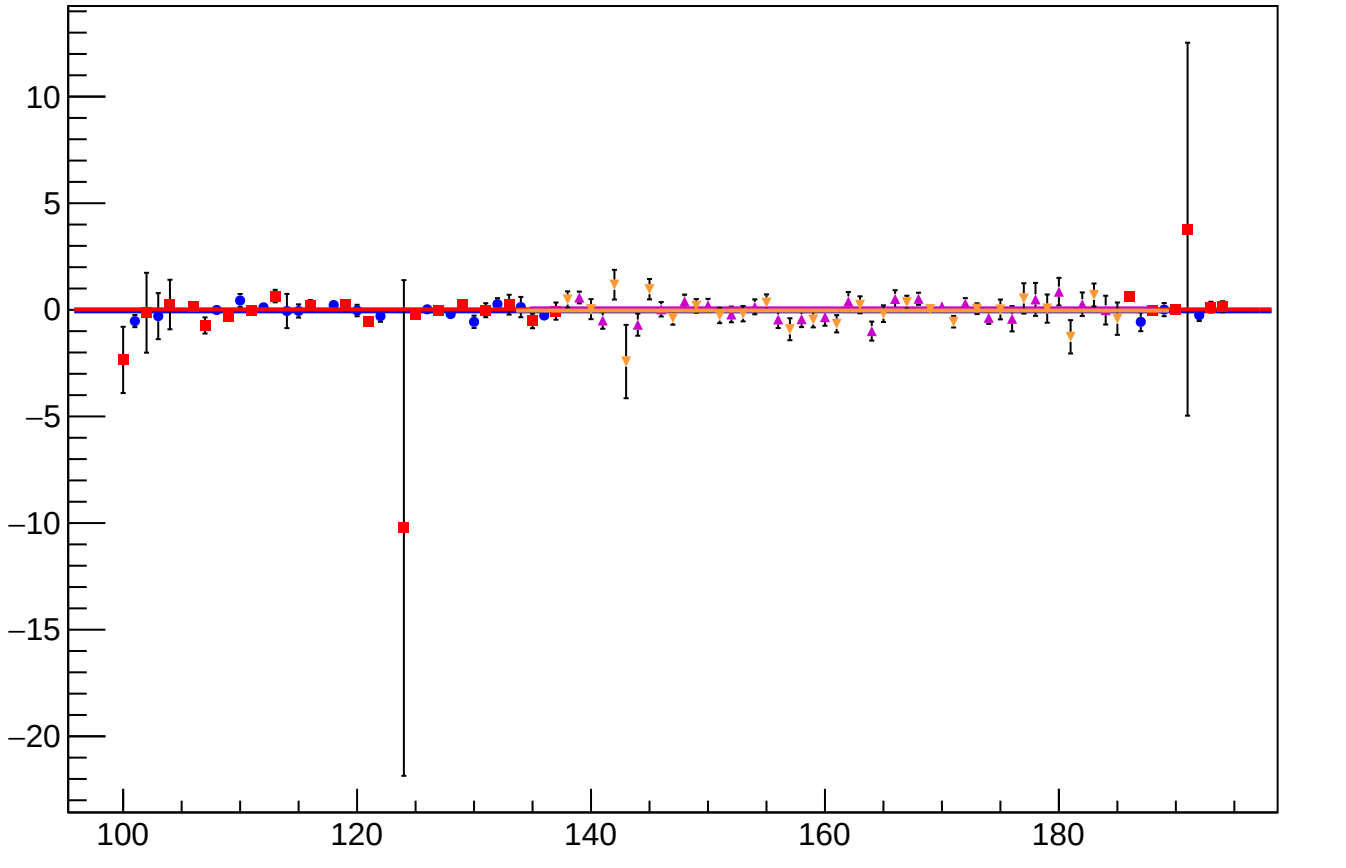
Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/43

All: -0.000+/-0.000 χ^2/NDF: 105.4/91

- sign 0.000+/-0.000 χ^2/NDF: 61.5/47


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: 5109476.7/24
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: 14370363.3/91
- sign 0.000+/-0.000 χ²/NDF: 8103877.9/47



Right In: -0.070+/-0.063 χ^2/NDF: 16.7/18

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.023+/-0.050 χ^2/NDF: 35.8/24

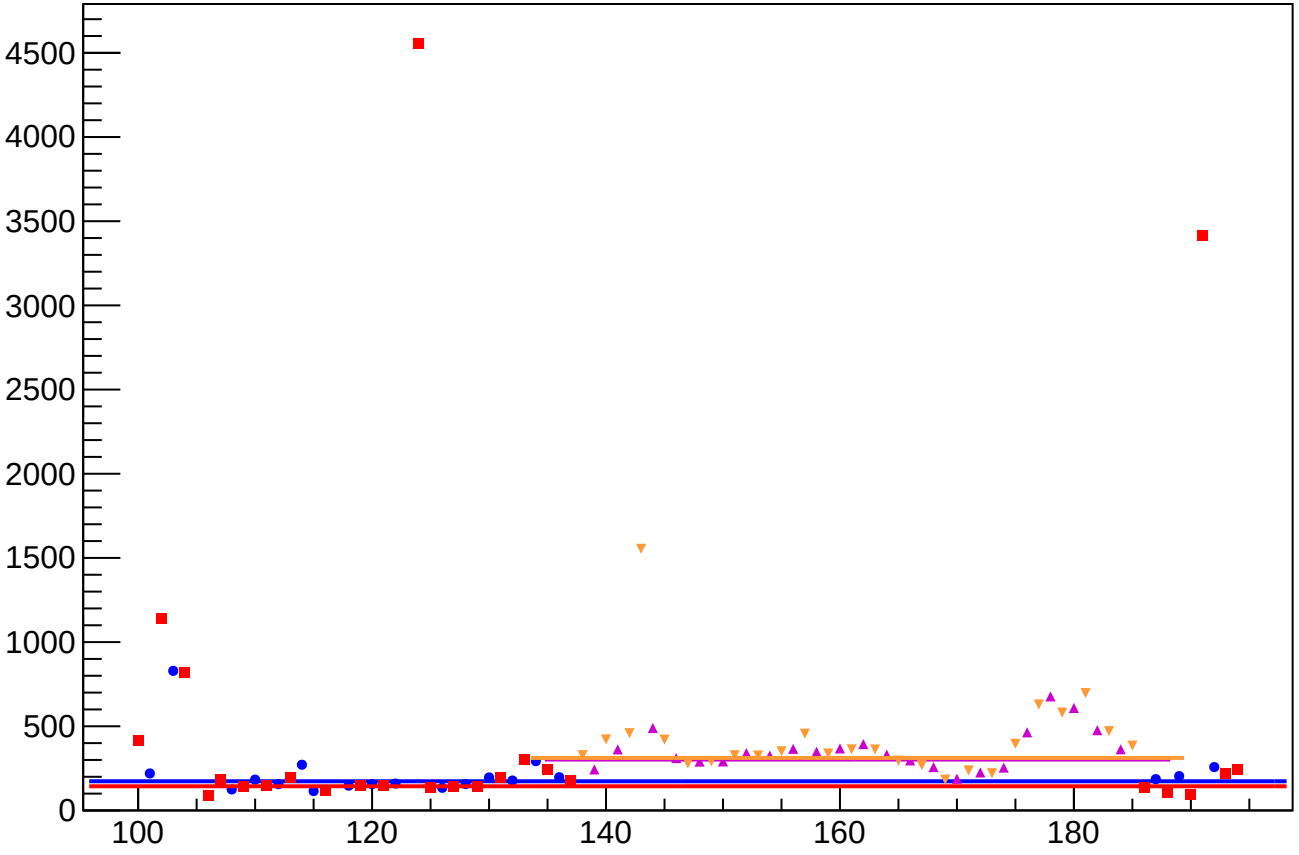
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.056+/-0.049 χ^2/NDF: 49.4/43

All: -0.002+/-0.032 χ^2/NDF: 117.5/91

- sign 0.037+/-0.041 χ^2/NDF: 65.9/47

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 173.314+/-0.044 χ^2/NDF: 1523728.6/18

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

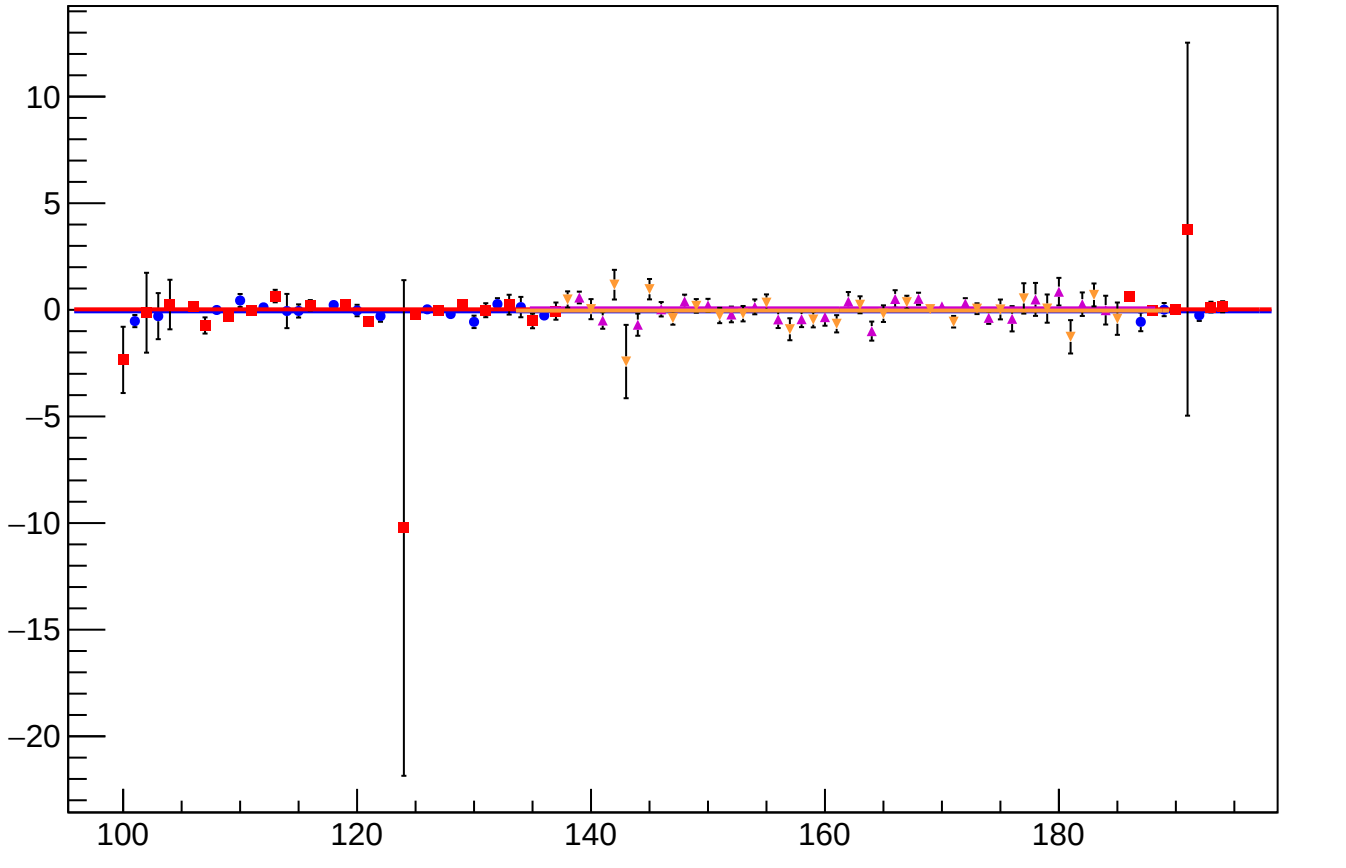
Right Out: 143.651+/-0.035 χ^2/NDF: 3514054.7/24

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 228.899+/-0.034 χ^2/NDF: 9791725.1/43

All: 207.736+/-0.022 χ^2/NDF: 23001281.3/91

- sign 192.299+/-0.029 χ^2/NDF: 12552284.3/47



Right In: -0.070+/-0.063 χ^2/NDF: 16.7/18

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

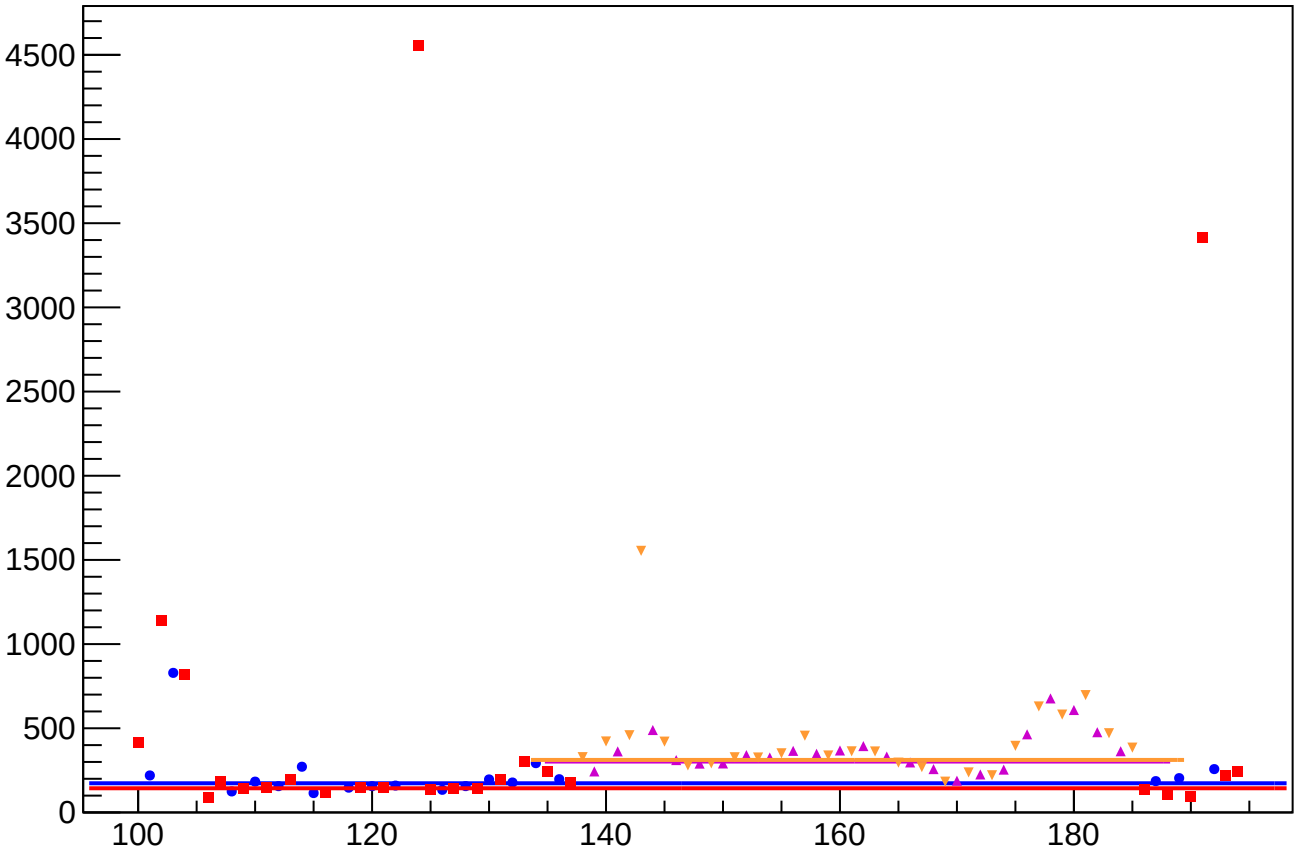
Right Out: 0.023+/-0.050 χ^2/NDF: 35.8/24

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.056+/-0.049 χ^2/NDF: 49.4/43

All: -0.002+/-0.032 χ^2/NDF: 117.5/91

- sign 0.037+/-0.041 χ^2/NDF: 65.9/47



Right In: 173.314+/-0.044 χ^2/NDF: 1523728.6/18

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

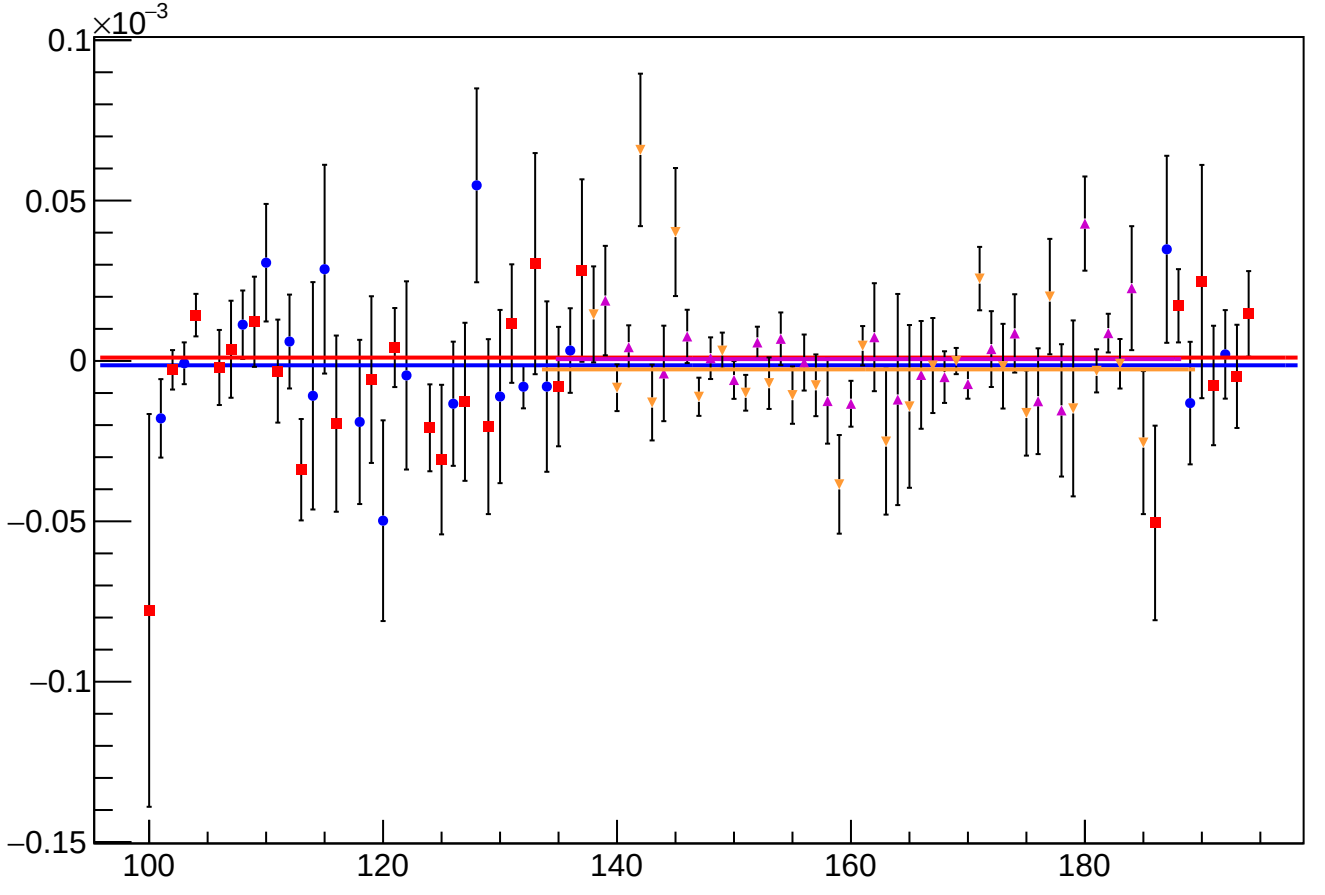
Right Out: 143.651+/-0.035 χ^2/NDF: 3514054.7/24

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 228.899+/-0.034 χ^2/NDF: 9791725.1/43

All: 207.736+/-0.022 χ^2/NDF: 23001281.3/91

- sign 192.299+/-0.029 χ^2/NDF: 12552284.3/47



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

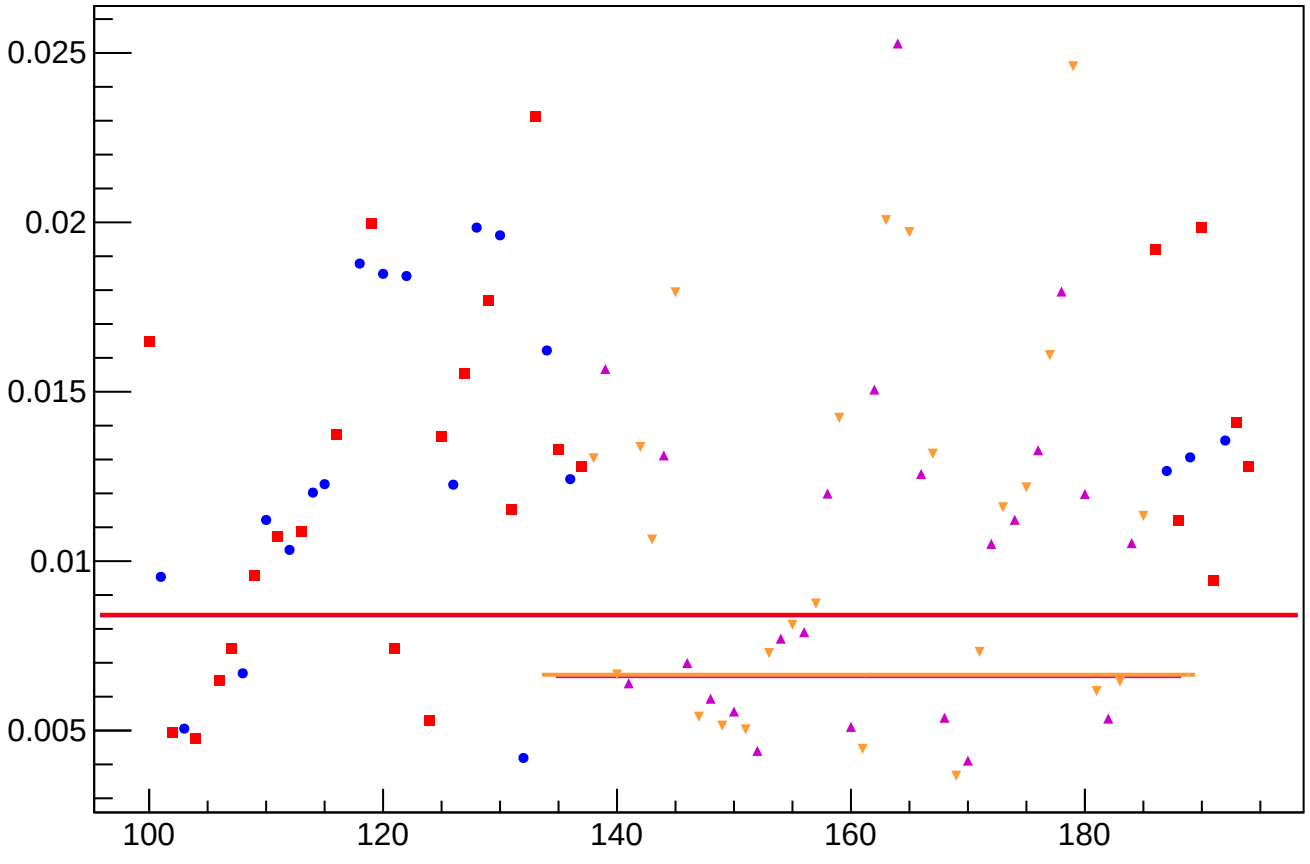
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/24

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.0/43

All: -0.000+/-0.000 χ^2/NDF: 115.6/91

- sign 0.000+/-0.000 χ^2/NDF: 53.6/47



Right In: 0.008+/-0.000 χ^2/NDF: 3789750.5/18

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

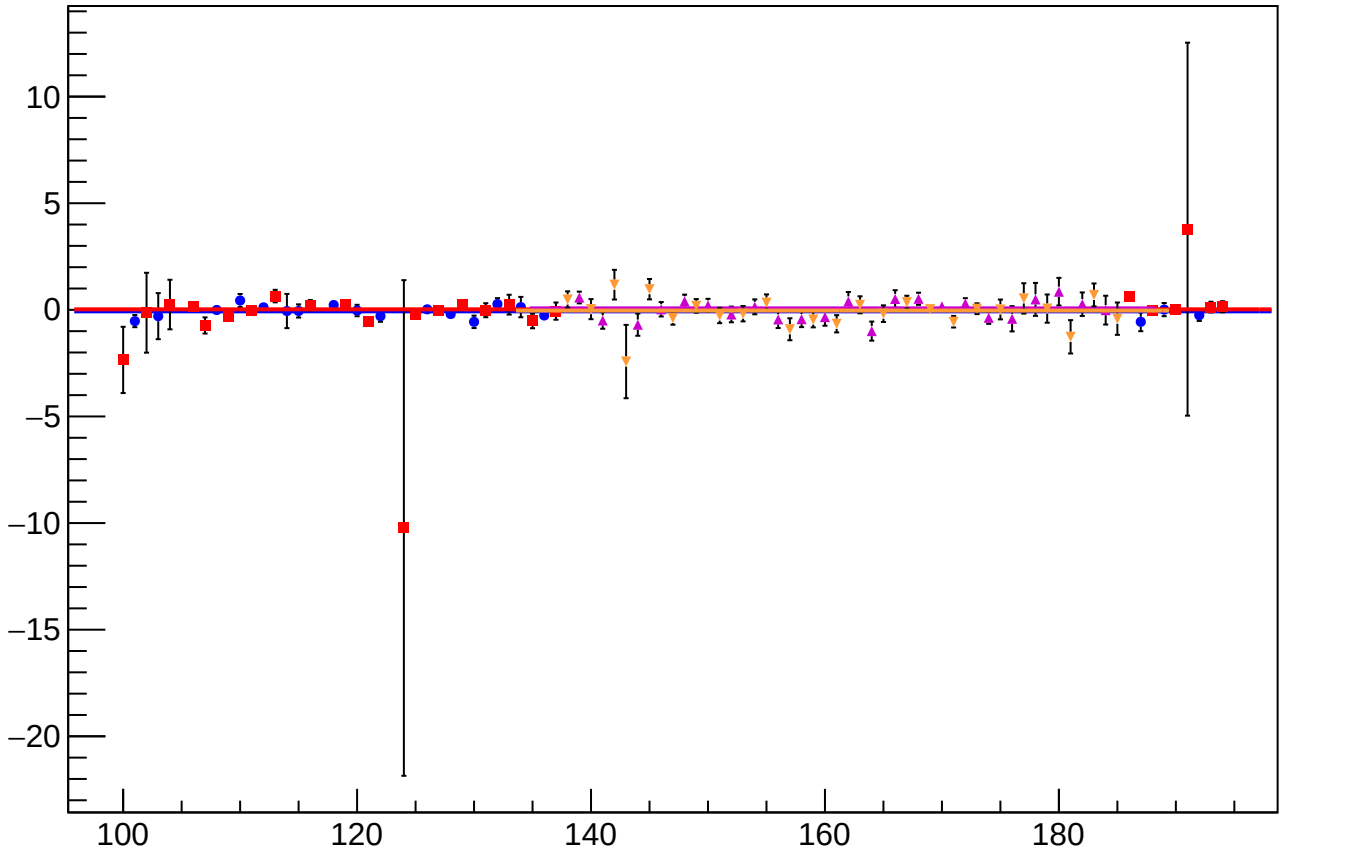
Right Out: 0.008+/-0.000 χ^2/NDF: 4176718.9/24

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 11759764.5/43

All: 0.007+/-0.000 χ^2/NDF: 22377989.7/91

- sign 0.007+/-0.000 χ^2/NDF: 10615877.9/47



Right In: -0.070+/-0.063 χ^2/NDF: 16.7/18

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

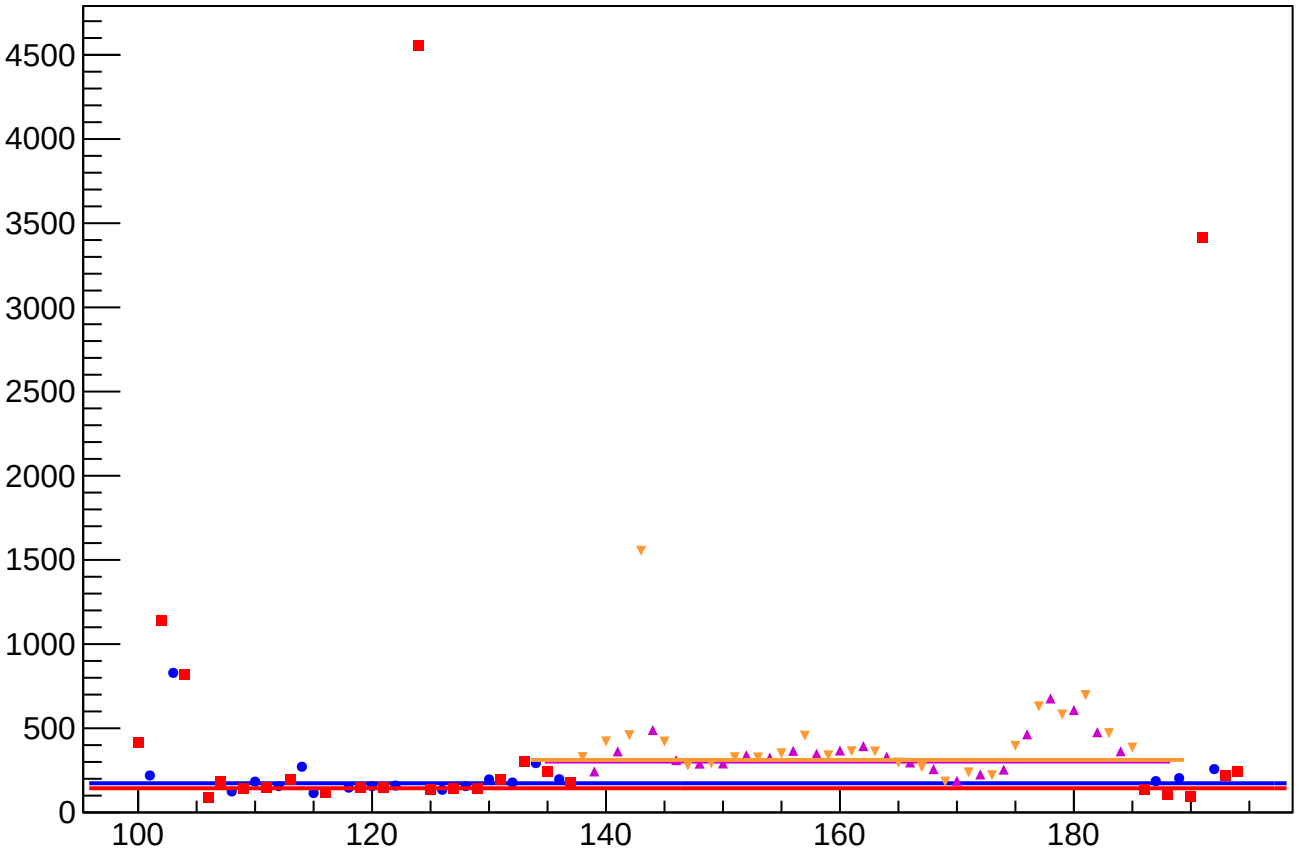
Right Out: 0.023+/-0.050 χ^2/NDF: 35.8/24

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

\+ sign -0.056+/-0.049 χ^2/NDF: 49.4/43

All: -0.002+/-0.032 χ^2/NDF: 117.5/91

\- sign 0.037+/-0.041 χ^2/NDF: 65.9/47



Right In: 173.313+/-0.044 χ^2/NDF: 1523728.4/18

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

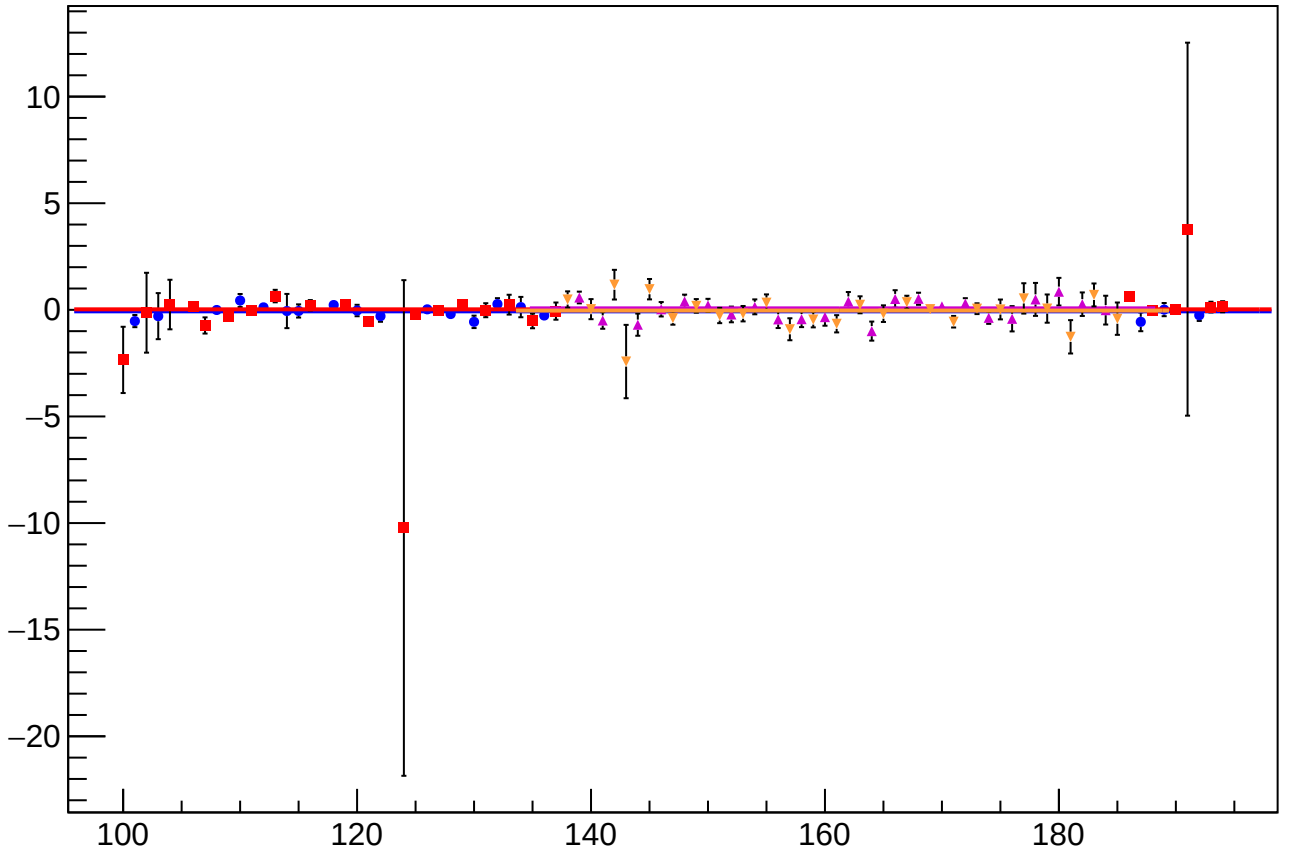
Right Out: 143.648+/-0.035 χ^2/NDF: 3514173.6/24

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 228.899+/-0.034 χ^2/NDF: 9791963.4/43

All: 207.734+/-0.022 χ^2/NDF: 23002287.1/91

- sign 192.295+/-0.029 χ^2/NDF: 12552935.5/47



Right In: -0.070+/-0.063 χ^2/NDF: 16.7/18

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

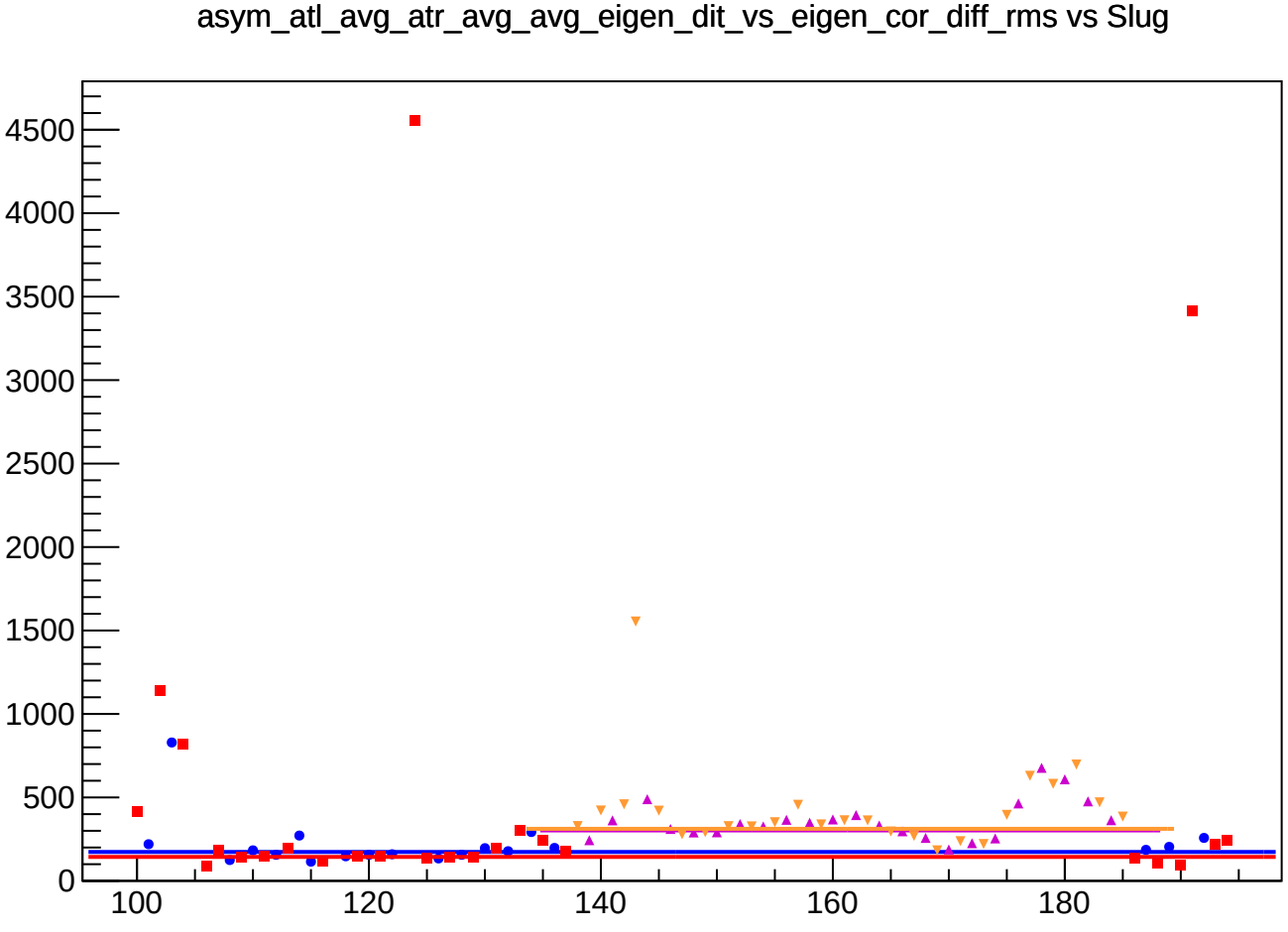
Right Out: 0.023+/-0.050 χ^2/NDF: 35.8/24

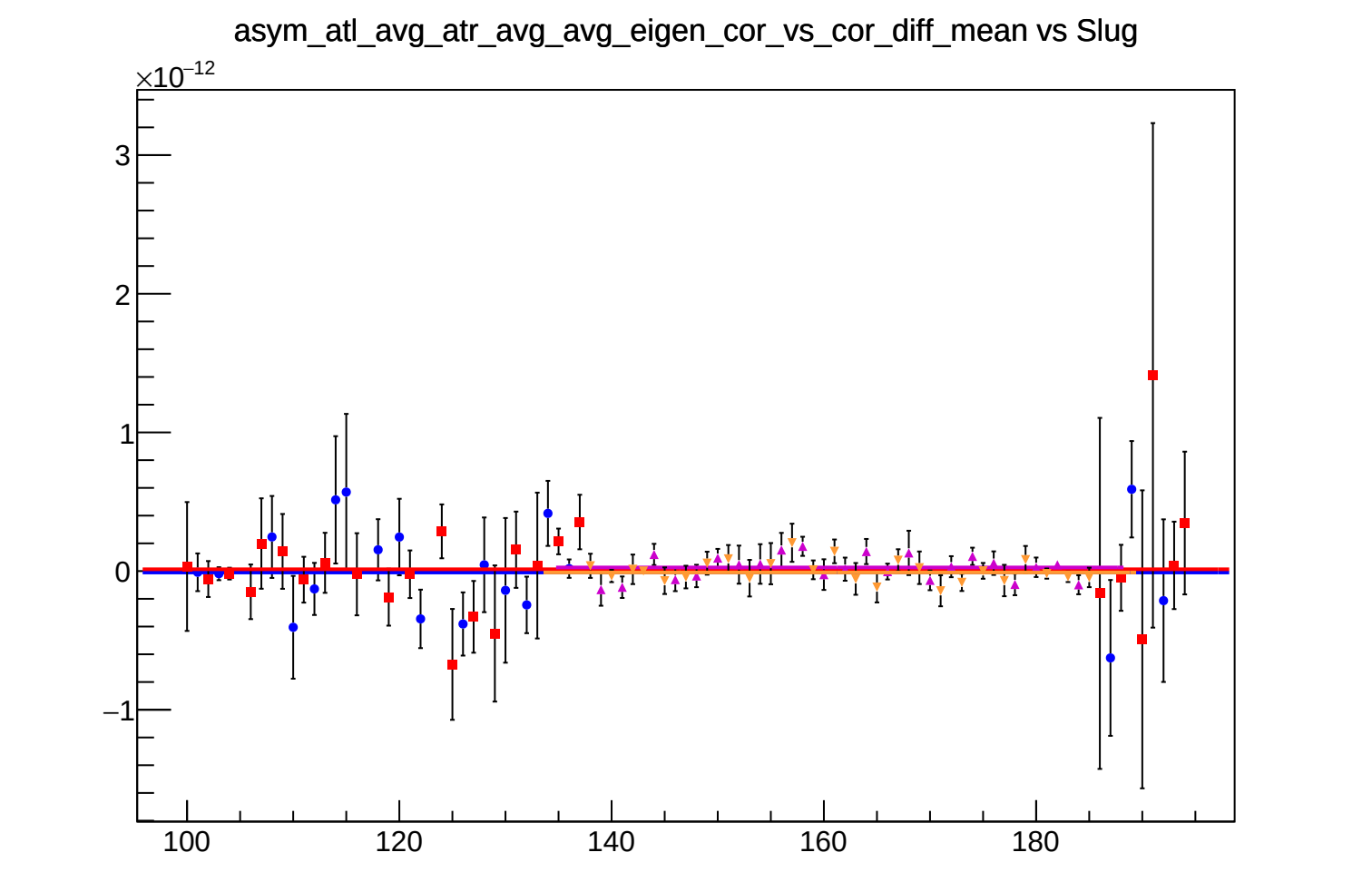
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

\+ sign -0.056+/-0.049 χ^2/NDF: 49.4/43

All: -0.002+/-0.032 χ^2/NDF: 117.5/91

\- sign 0.037+/-0.041 χ^2/NDF: 65.9/47


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: 143.648+/-0.035 χ²/NDF: 3514173.6/24
Left In: 302.377+/-0.053 χ²/NDF:2808874.8/22
+ sign 228.899+/-0.034 χ²/NDF: 9791963.4/43
All: 207.734+/-0.022 χ²/NDF: 23002287.1/91
- sign 192.295+/-0.029 χ²/NDF: 12552935.5/47



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

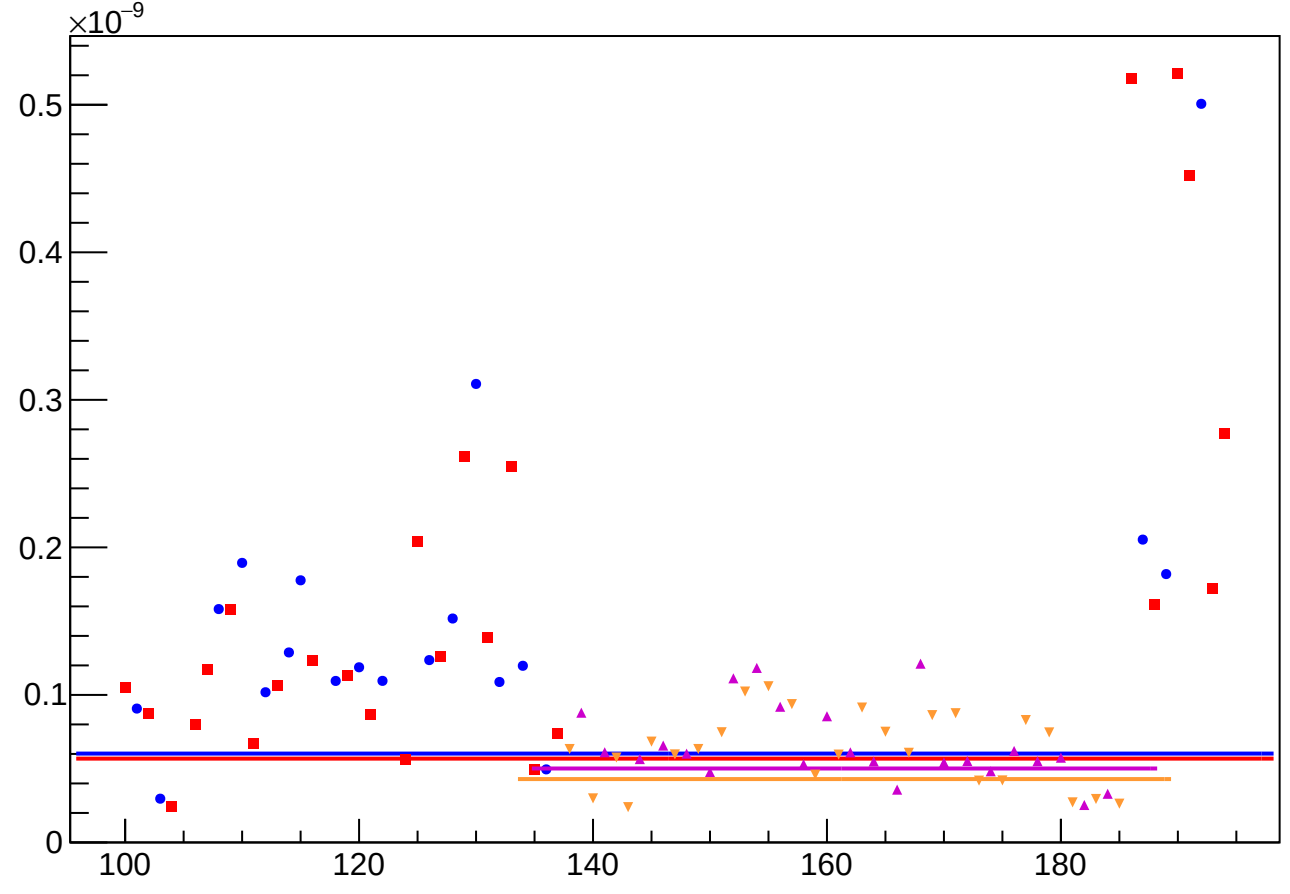
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/24

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.6/43

All: 0.000+/-0.000 χ^2/NDF: 87.9/91

- sign 0.000+/-0.000 χ^2/NDF: 47.9/47



Right In: 0.000+/-0.000 χ^2/NDF: 4506015.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5085701.4/24

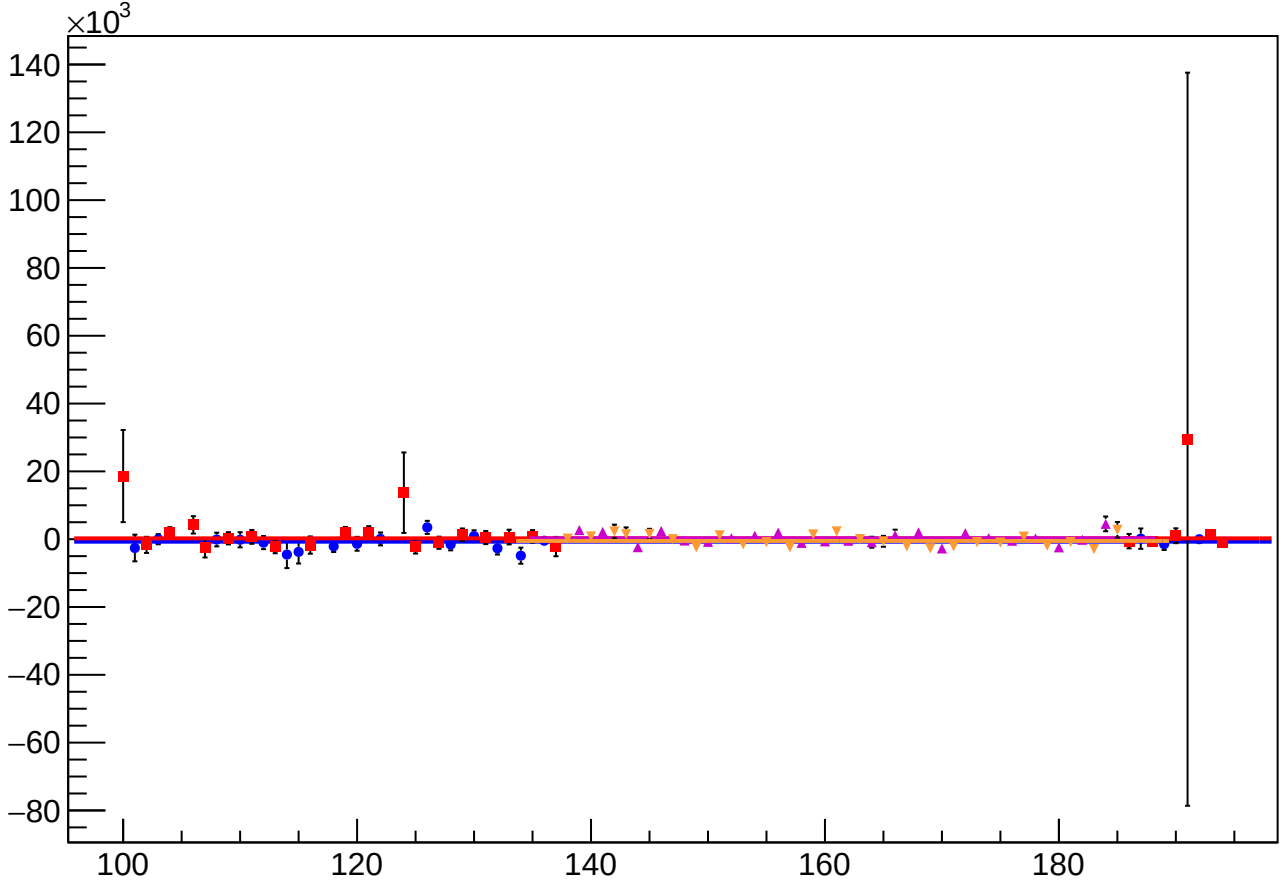
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10059165.4/43

All: 0.000+/-0.000 χ^2/NDF: 19040534.7/91

- sign 0.000+/-0.000 χ^2/NDF: 8772239.8/47

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: 247.383+/-400.655 χ^2/NDF: 17.8/24

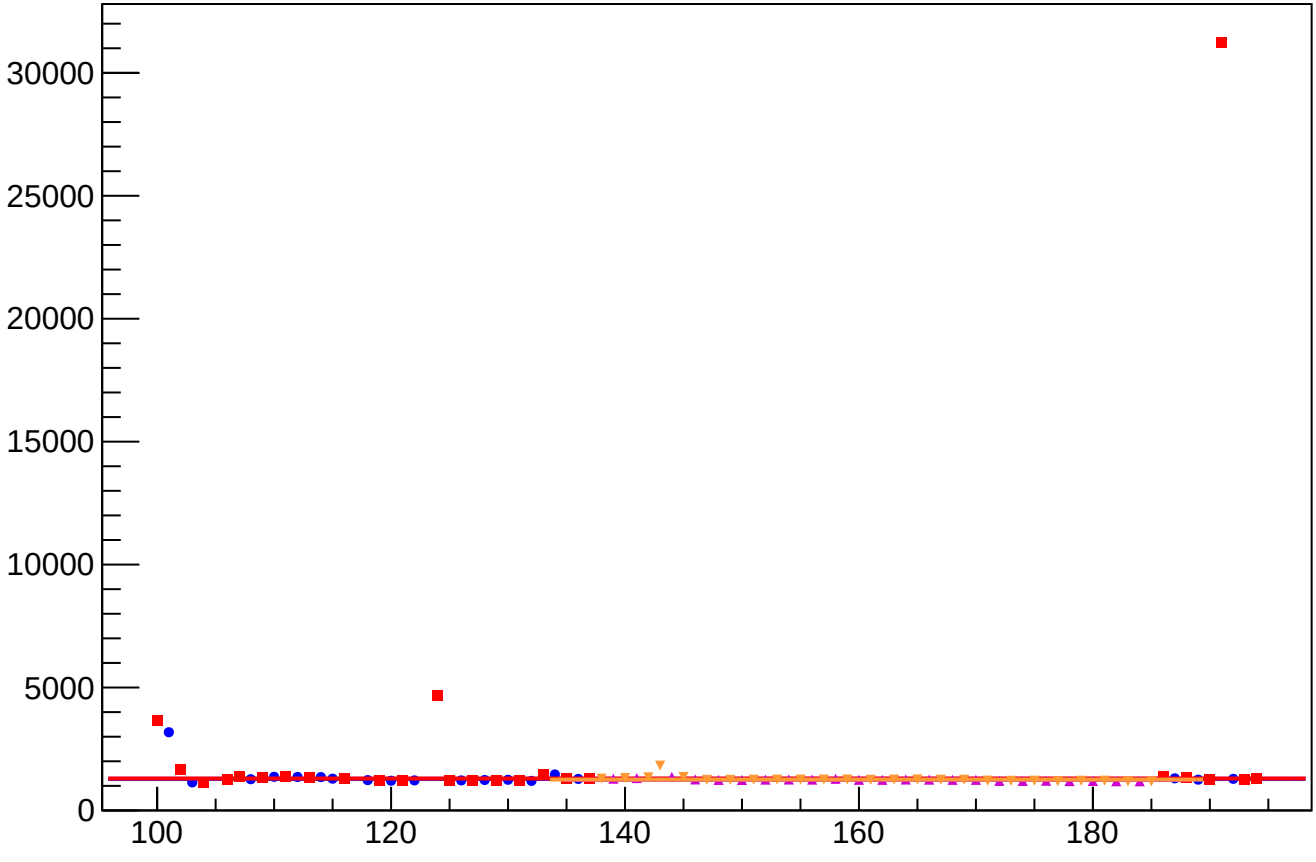
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -579.773+/-239.212 χ^2/NDF: 45.1/43

All: -161.354+/-167.834 χ^2/NDF: 101.0/91

- sign 244.309+/-235.538 χ^2/NDF: 49.8/47

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

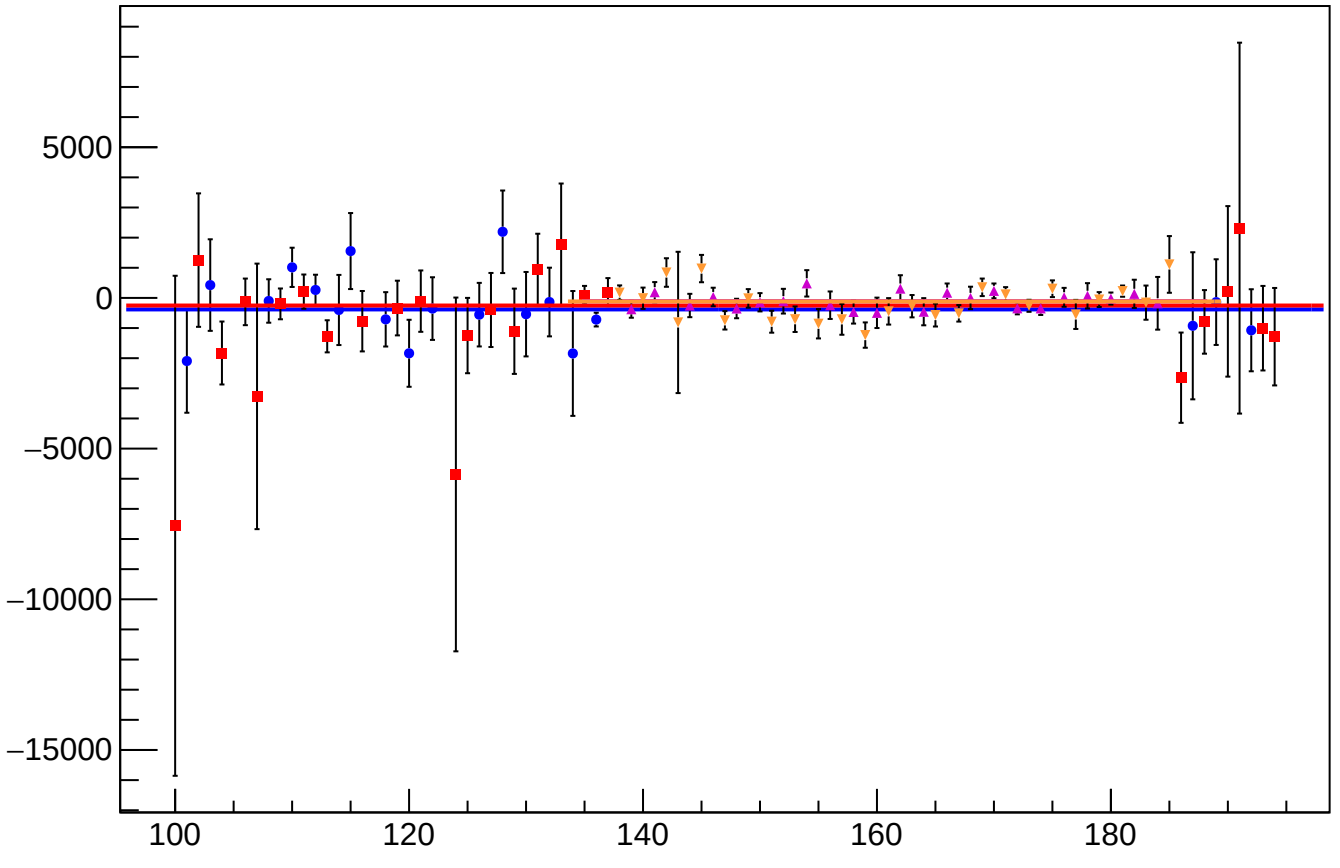
Right Out: 1299.185+/-0.283 χ^2/NDF: 489259.8/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.150+/-0.169 χ^2/NDF: 728154.0/43

All: 1264.385+/-0.119 χ^2/NDF: 1280030.5/91

- sign 1264.613+/-0.167 χ^2/NDF: 551872.7/47



Right In: -382.062+/-165.413 χ^2/NDF: 18.5/18

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -252.395+/-164.040 χ^2/NDF: 18.5/24

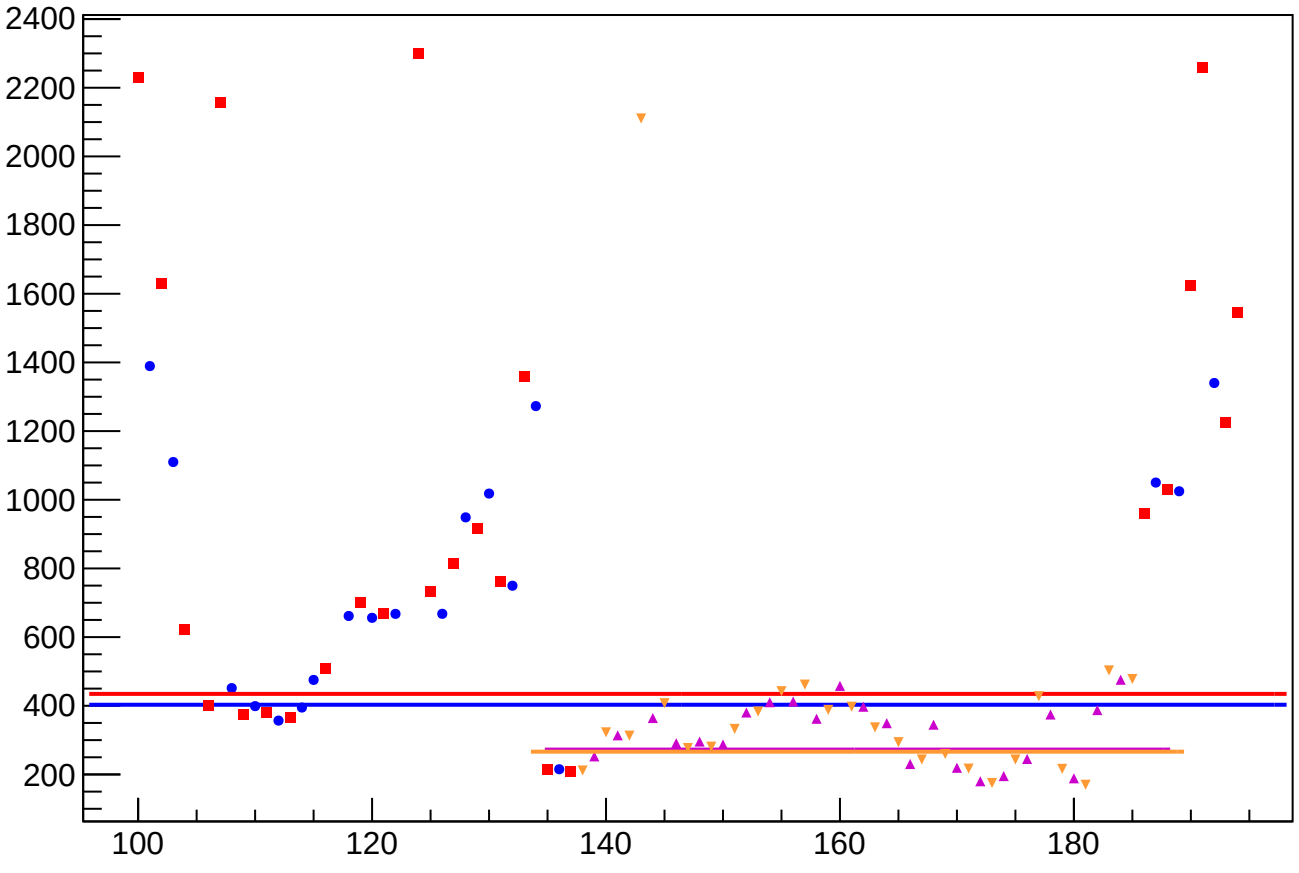
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -152.535+/-60.544 χ^2/NDF: 69.2/43

All: -140.603+/-43.326 χ^2/NDF: 102.1/91

- sign -128.080+/-62.027 χ^2/NDF: 32.9/47

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 402.985+/-0.117 χ^2/NDF: 5709668.1/18

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 434.638+/-0.116 χ^2/NDF: 7231996.5/24

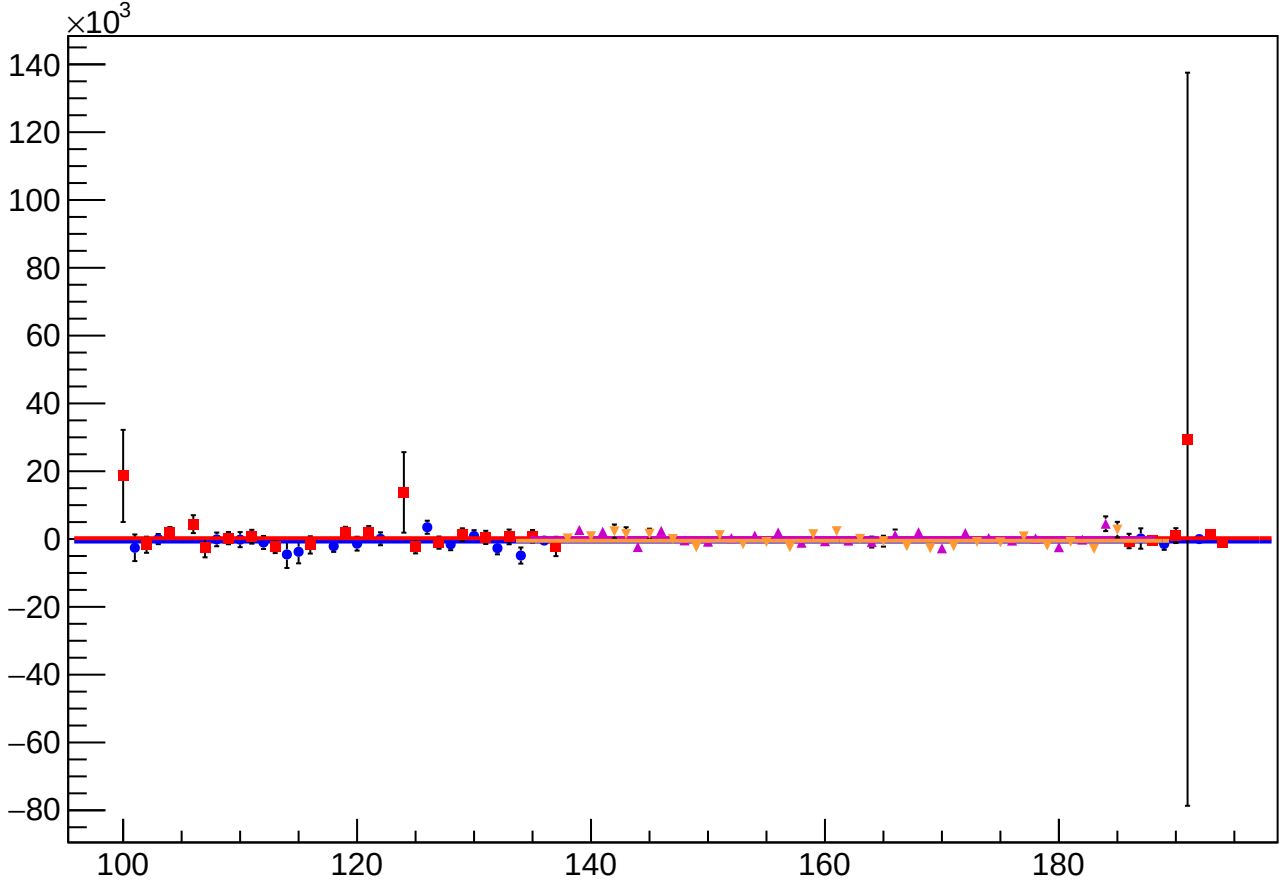
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 284.630+/-0.043 χ^2/NDF: 11522110.0/43

All: 289.967+/-0.031 χ^2/NDF: 23351037.9/91

- sign 295.568+/-0.044 χ^2/NDF: 11797075.8/47

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: 245.473+/-400.948 χ^2/NDF: 17.9/24

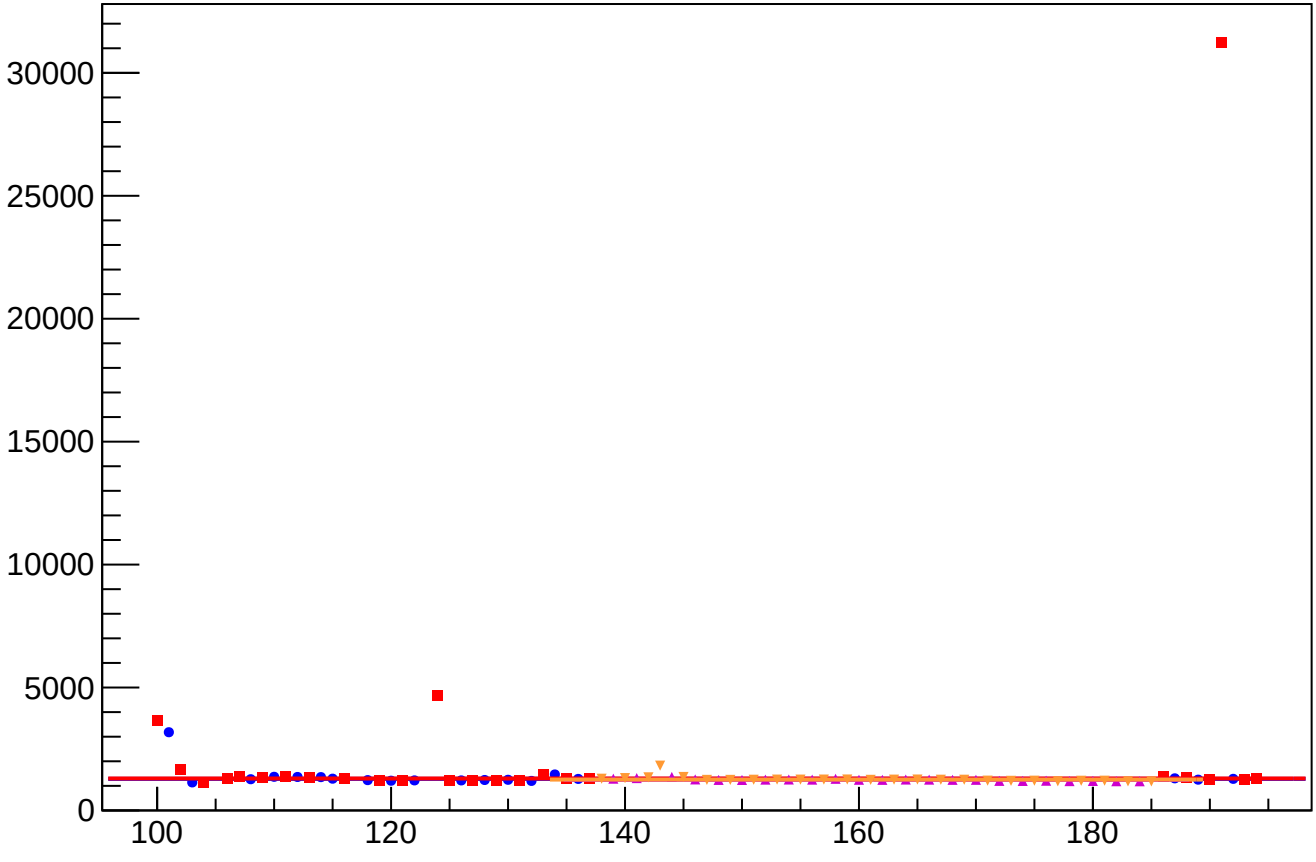
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -579.639+/-239.212 χ^2/NDF: 45.1/43

All: -161.735+/-167.856 χ^2/NDF: 101.0/91

- sign 243.633+/-235.597 χ^2/NDF: 49.9/47

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

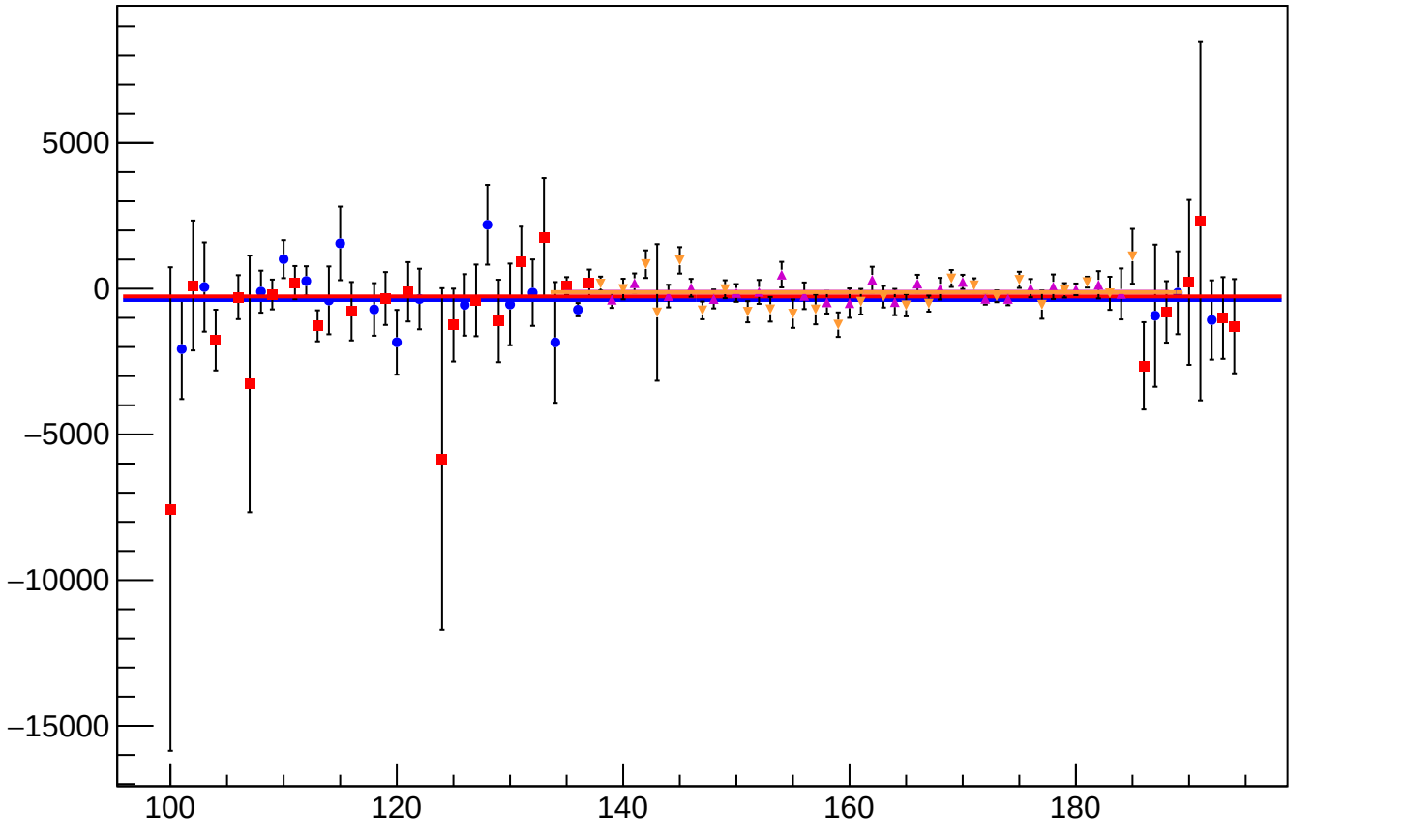
Right Out: 1300.176+/-0.284 χ^2/NDF: 488857.4/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.150+/-0.169 χ^2/NDF: 728155.3/43

All: 1264.550+/-0.119 χ^2/NDF: 1280475.7/91

- sign 1264.938+/-0.167 χ^2/NDF: 552309.4/47



Right In: -386.362+/-165.432 χ^2/NDF: 18.3/18

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

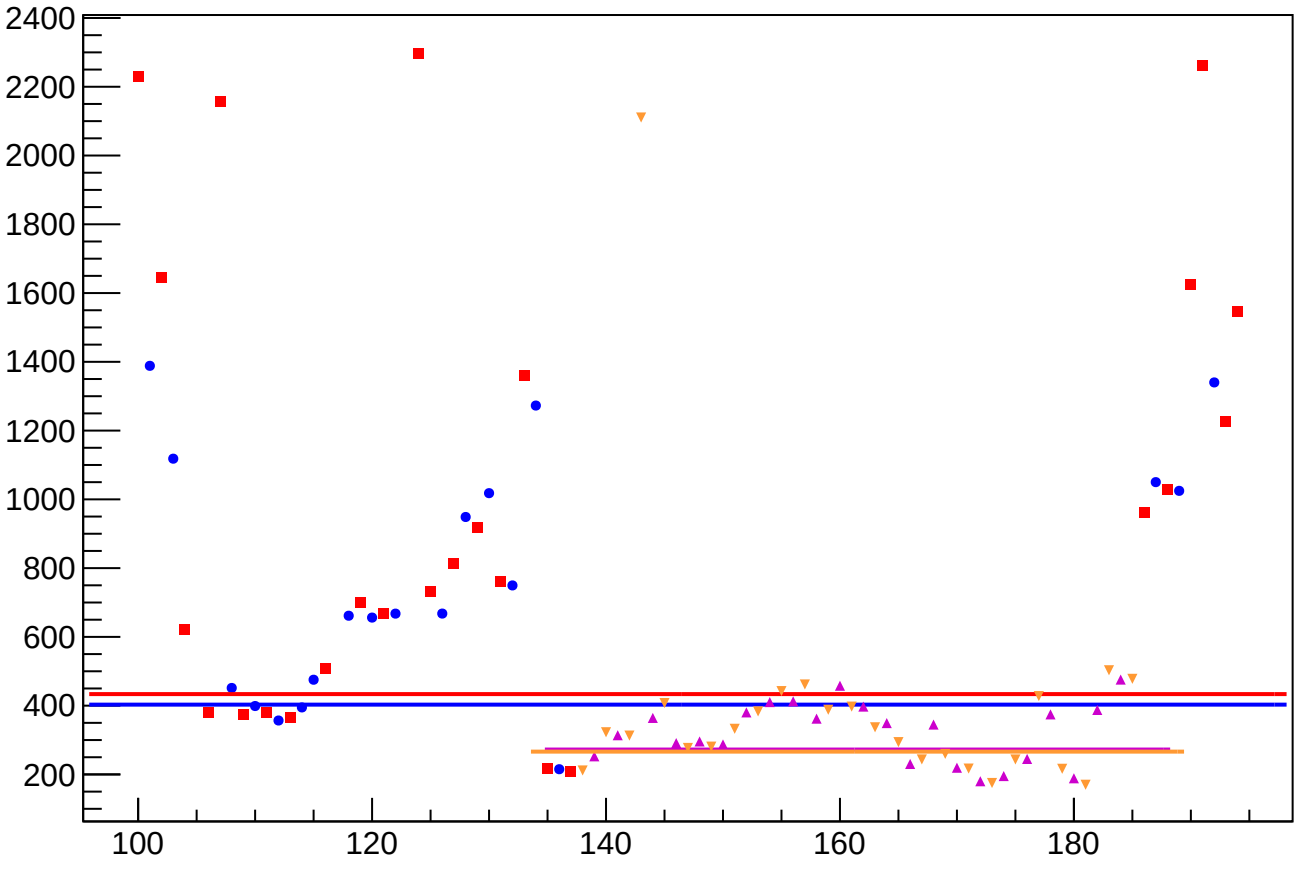
Right Out: -264.609+/-163.861 χ^2/NDF: 17.9/24

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -153.082+/-60.546 χ^2/NDF: 69.0/43

All: -141.804+/-43.324 χ^2/NDF: 101.5/91

- sign -129.971+/-62.018 χ^2/NDF: 32.4/47



Right In: 402.982+/-0.117 χ^2/NDF: 5712832.6/18

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

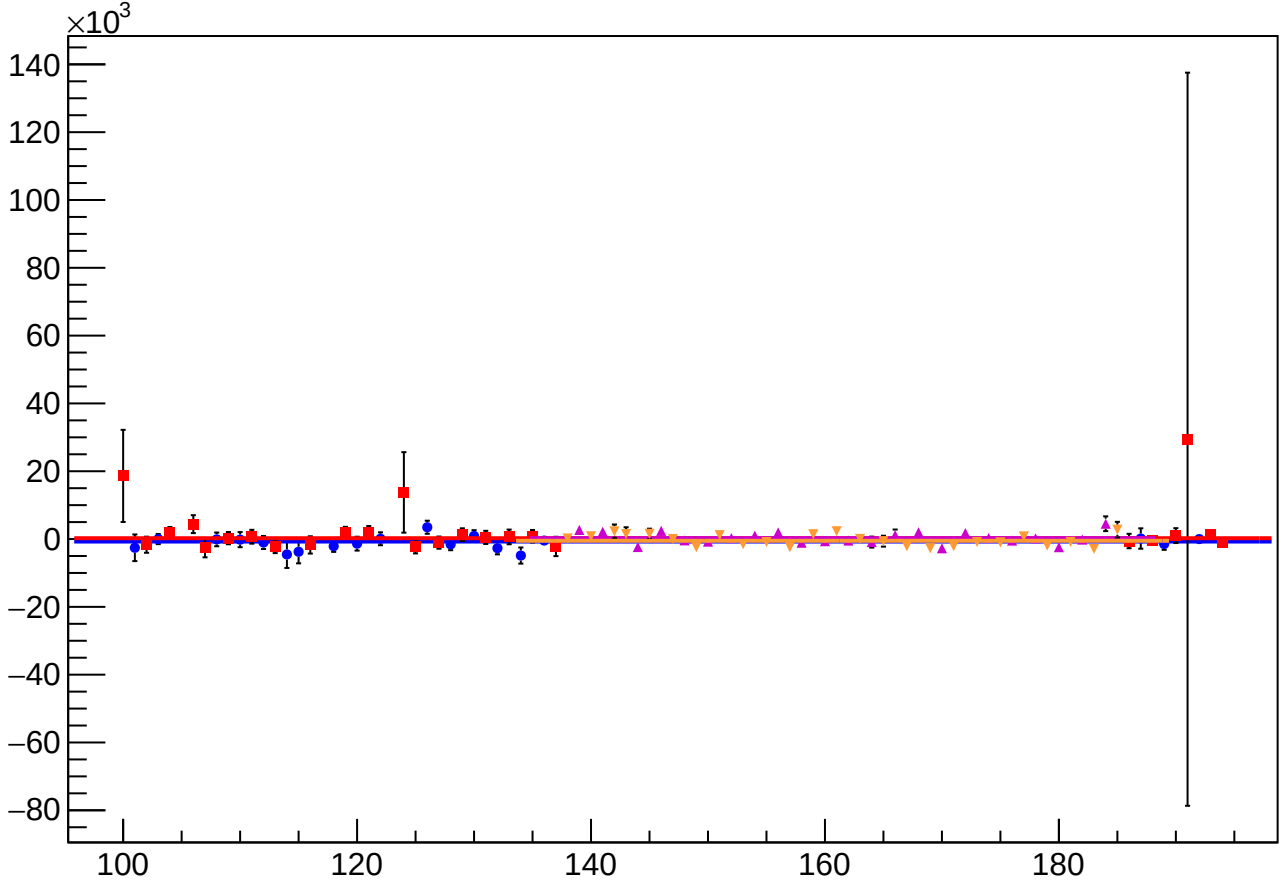
Right Out: 433.646+/-0.116 χ^2/NDF: 7244776.3/24

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 284.631+/-0.043 χ^2/NDF: 11524932.4/43

All: 289.925+/-0.031 χ^2/NDF: 23348350.4/91

- sign 295.479+/-0.044 χ^2/NDF: 11792088.7/47



Right In: -731.684+/-436.629 χ^2/NDF: 14.0/18

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 245.473+/-400.948 χ^2/NDF: 17.9/24

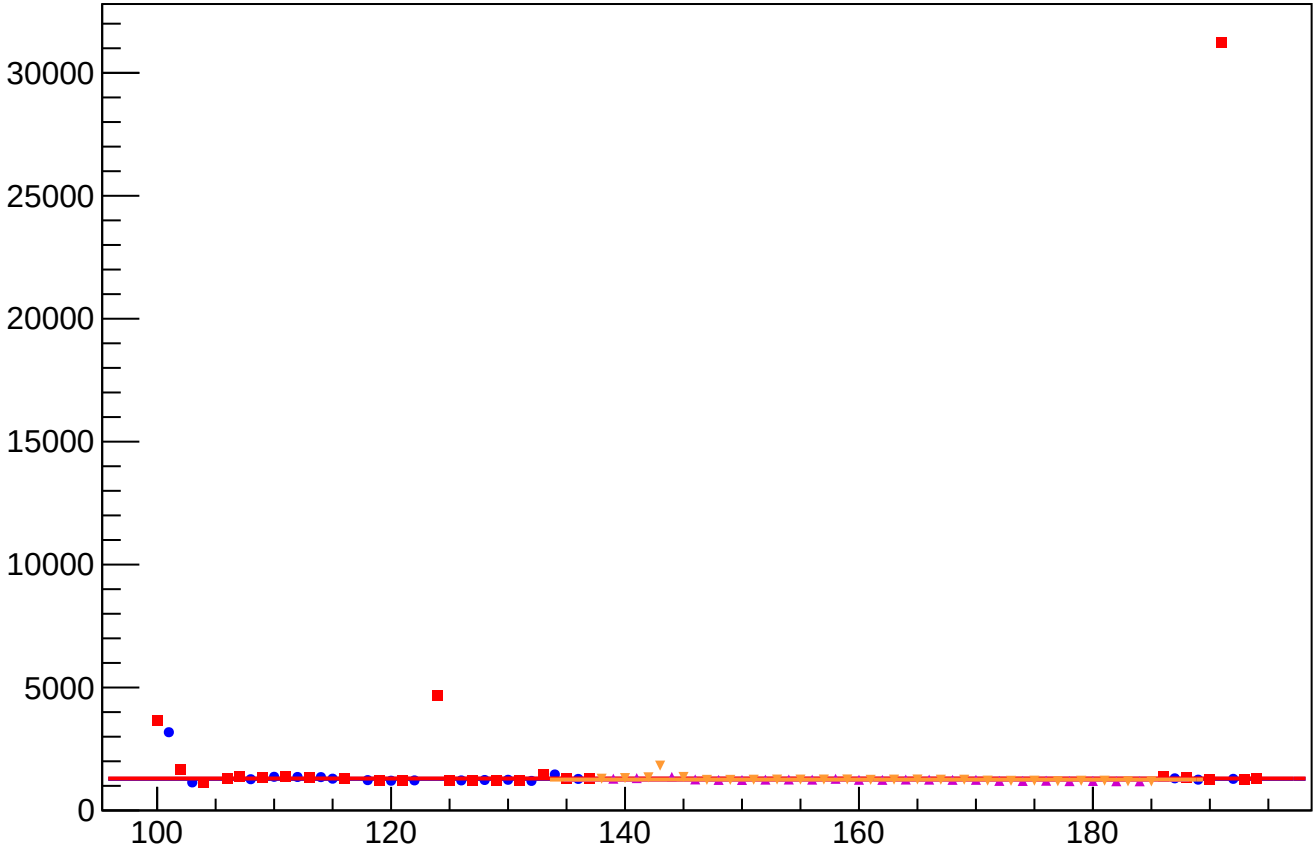
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -579.639+/-239.212 χ^2/NDF: 45.1/43

All: -161.735+/-167.856 χ^2/NDF: 101.0/91

- sign 243.633+/-235.597 χ^2/NDF: 49.9/47

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

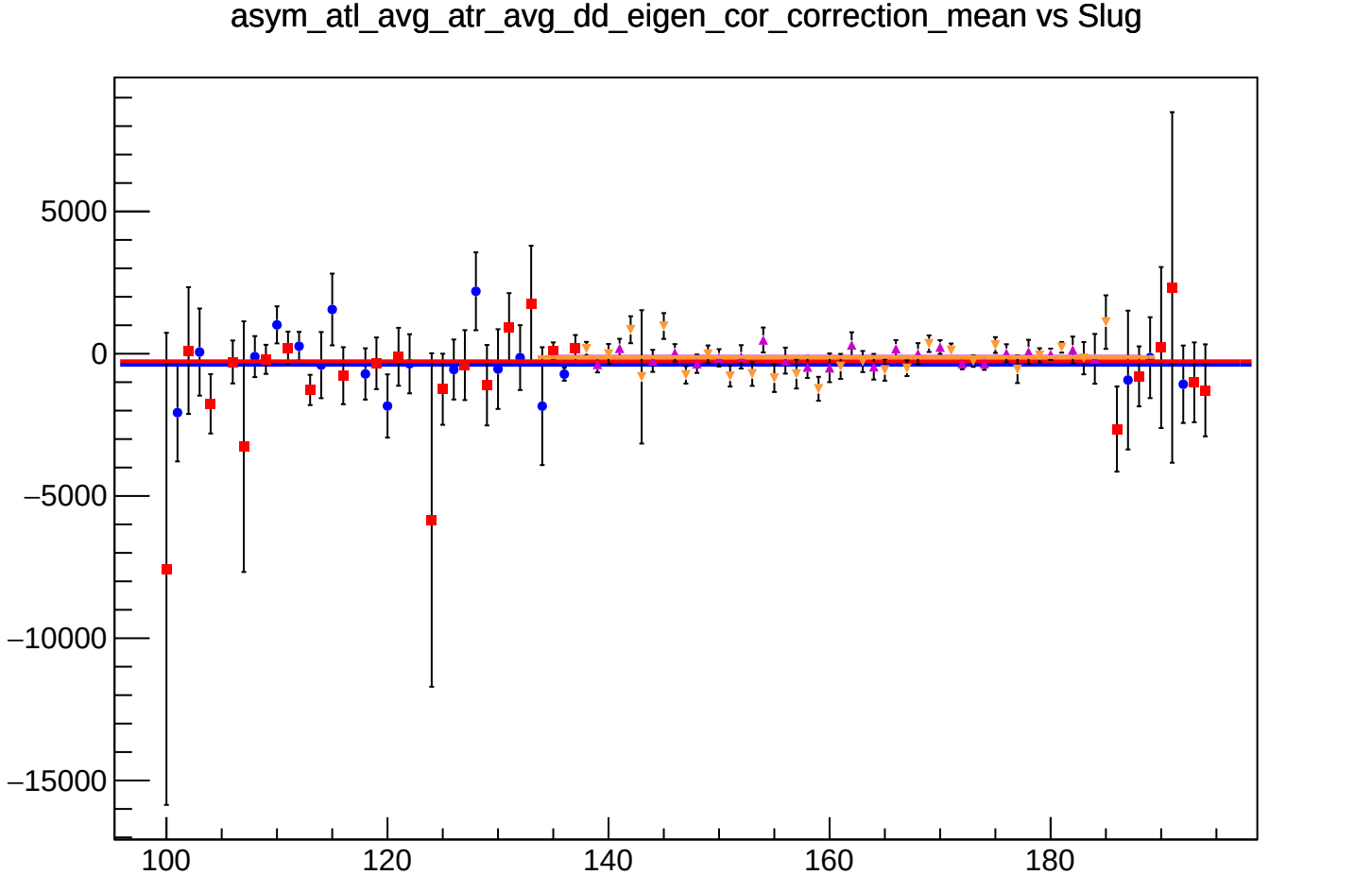
Right Out: 1300.176+/-0.284 χ^2/NDF: 488857.4/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.150+/-0.169 χ^2/NDF: 728155.3/43

All: 1264.550+/-0.119 χ^2/NDF: 1280475.7/91

- sign 1264.938+/-0.167 χ^2/NDF: 552309.4/47



Right In: -386.362+/-165.432 χ^2/NDF: 18.3/18

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

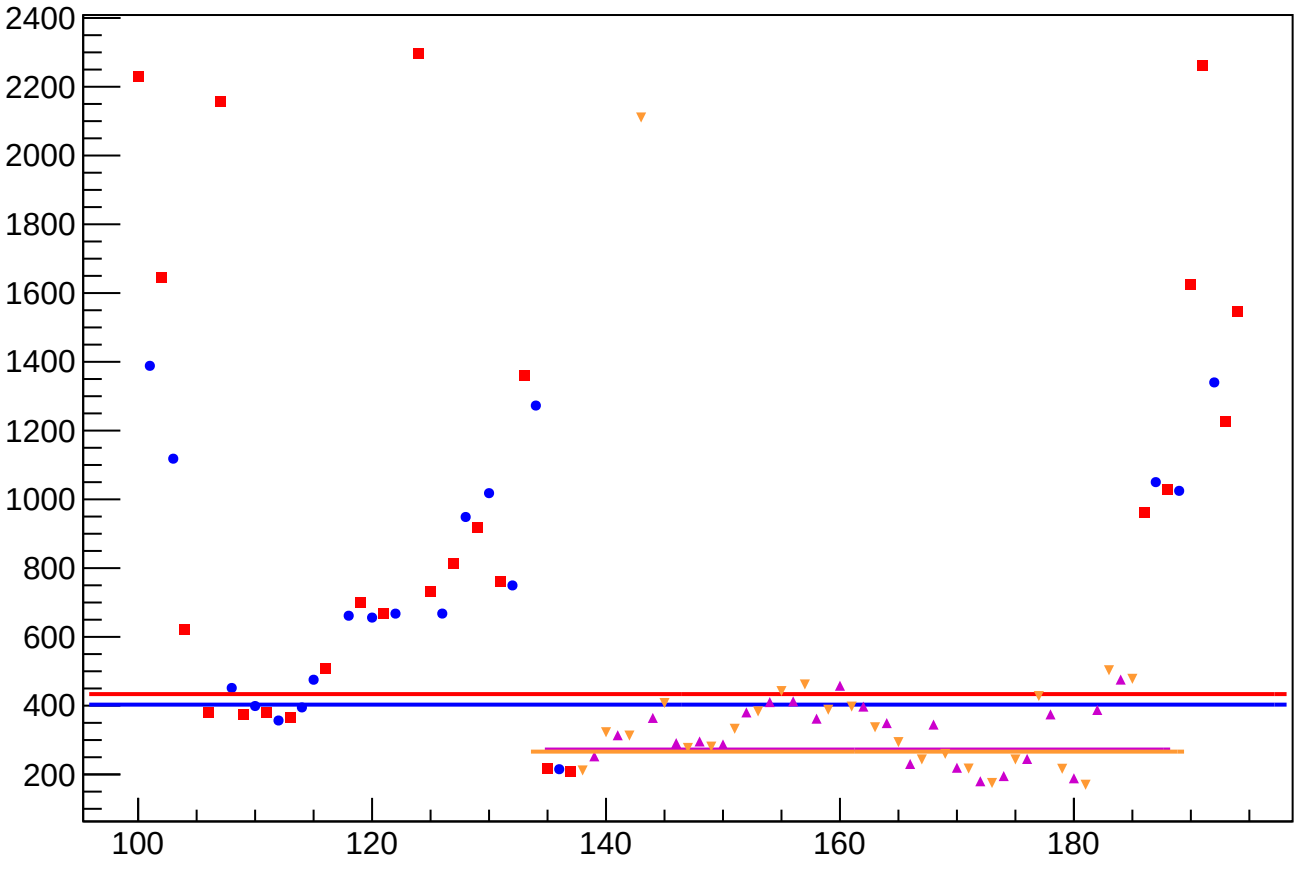
Right Out: -264.609+/-163.861 χ^2/NDF: 17.9/24

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -153.082+/-60.546 χ^2/NDF: 69.0/43

All: -141.804+/-43.324 χ^2/NDF: 101.5/91

- sign -129.971+/-62.018 χ^2/NDF: 32.4/47



Right In: 402.982+/-0.117 χ^2/NDF: 5712832.6/18

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 433.646+/-0.116 χ^2/NDF: 7244776.3/24

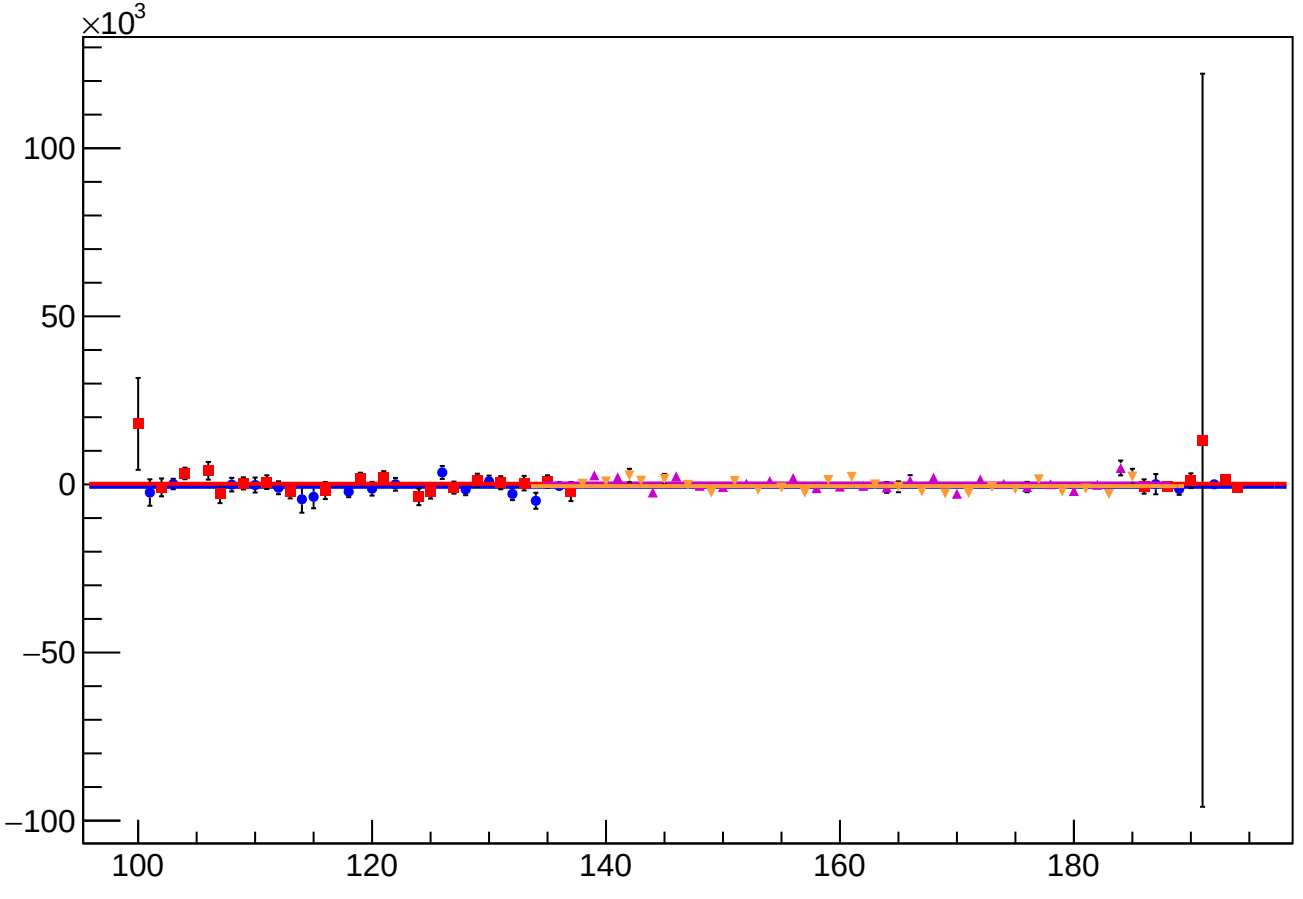
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

\+ sign 284.631+/-0.043 χ^2/NDF: 11524932.4/43

All: 289.925+/-0.031 χ^2/NDF: 23348350.4/91

\- sign 295.479+/-0.044 χ^2/NDF: 11792088.7/47

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -700.660+/-438.379 χ^2/NDF: 14.2/18

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 206.473+/-399.026 χ^2/NDF: 19.8/24

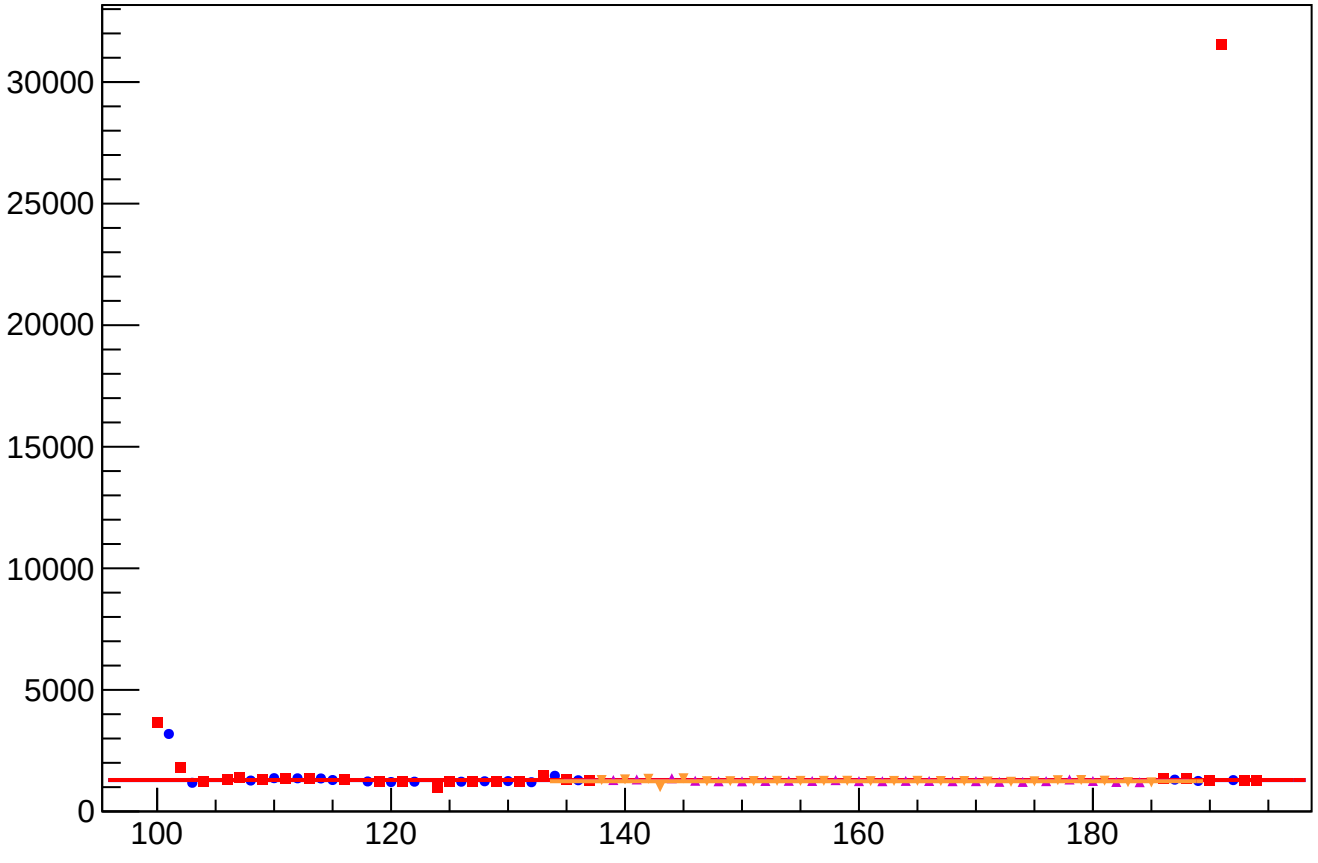
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -554.312+/-237.603 χ^2/NDF: 48.5/43

All: -161.202+/-167.751 χ^2/NDF: 104.5/91

- sign 229.483+/-236.869 χ^2/NDF: 50.5/47

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

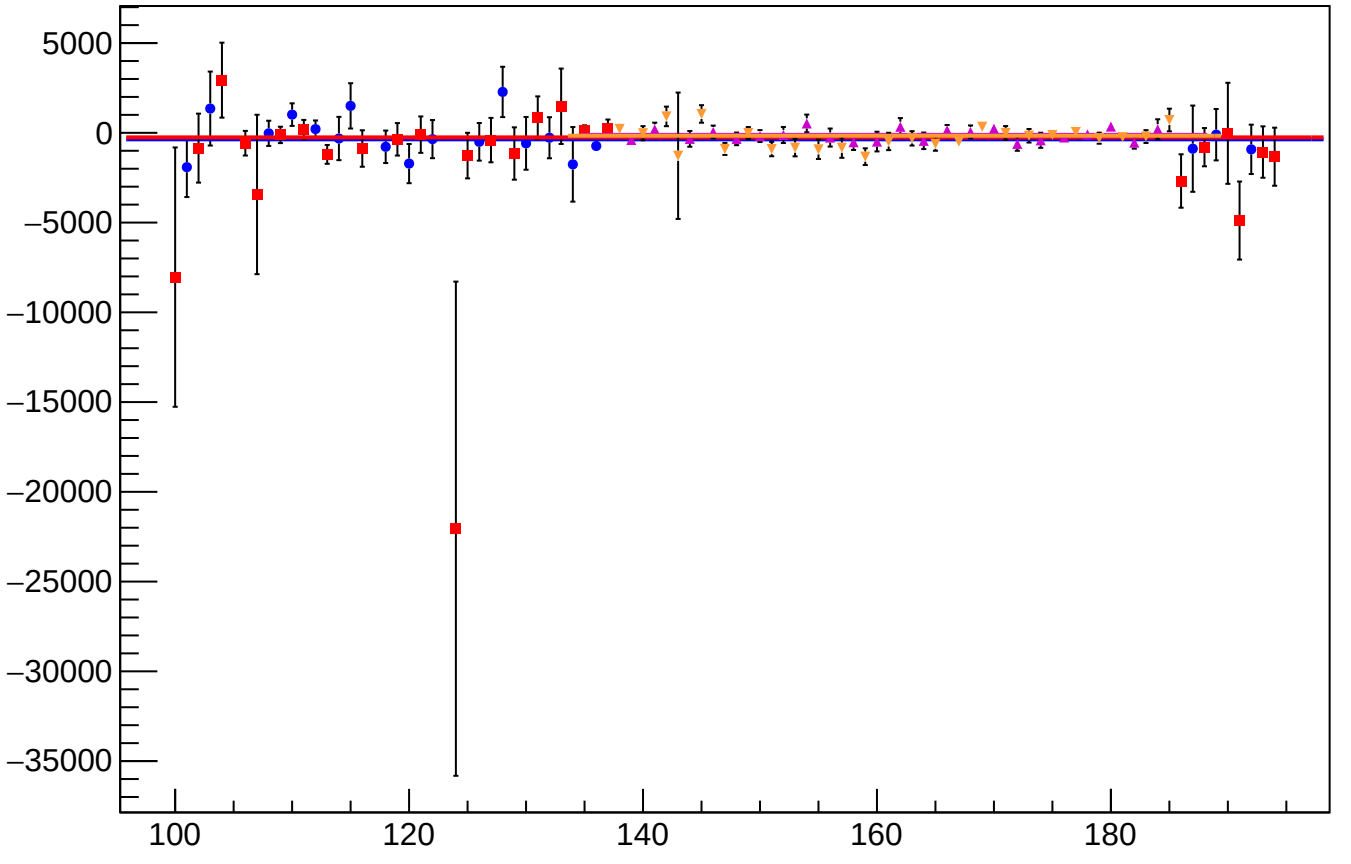
Right Out: 1294.248+/-0.282 χ^2/NDF: 371977.9/24

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1256.377+/-0.168 χ^2/NDF: 656691.9/43

All: 1264.277+/-0.119 χ^2/NDF: 1070500.3/91

- sign 1272.129+/-0.167 χ^2/NDF: 409399.5/47



Right In: -362.710+/-167.122 χ^2/NDF: 18.7/18

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

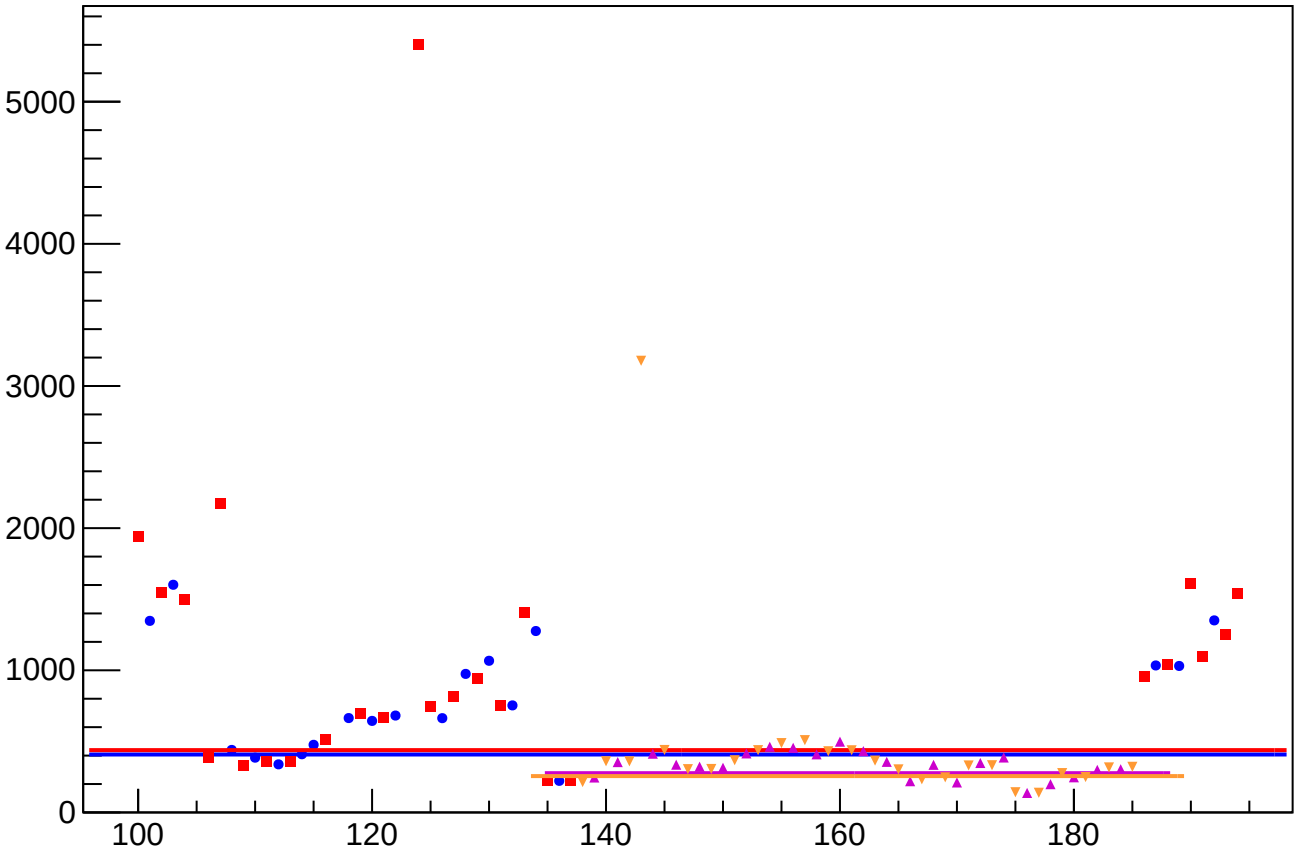
Right Out: -254.066+/-163.779 χ^2/NDF: 24.4/24

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -186.830+/-59.875 χ^2/NDF: 63.7/43

All: -162.324+/-43.551 χ^2/NDF: 107.3/91

- sign -134.794+/-63.462 χ^2/NDF: 43.2/47



Right In: 407.678+/-0.118 χ^2/NDF: 5821860.0/18

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

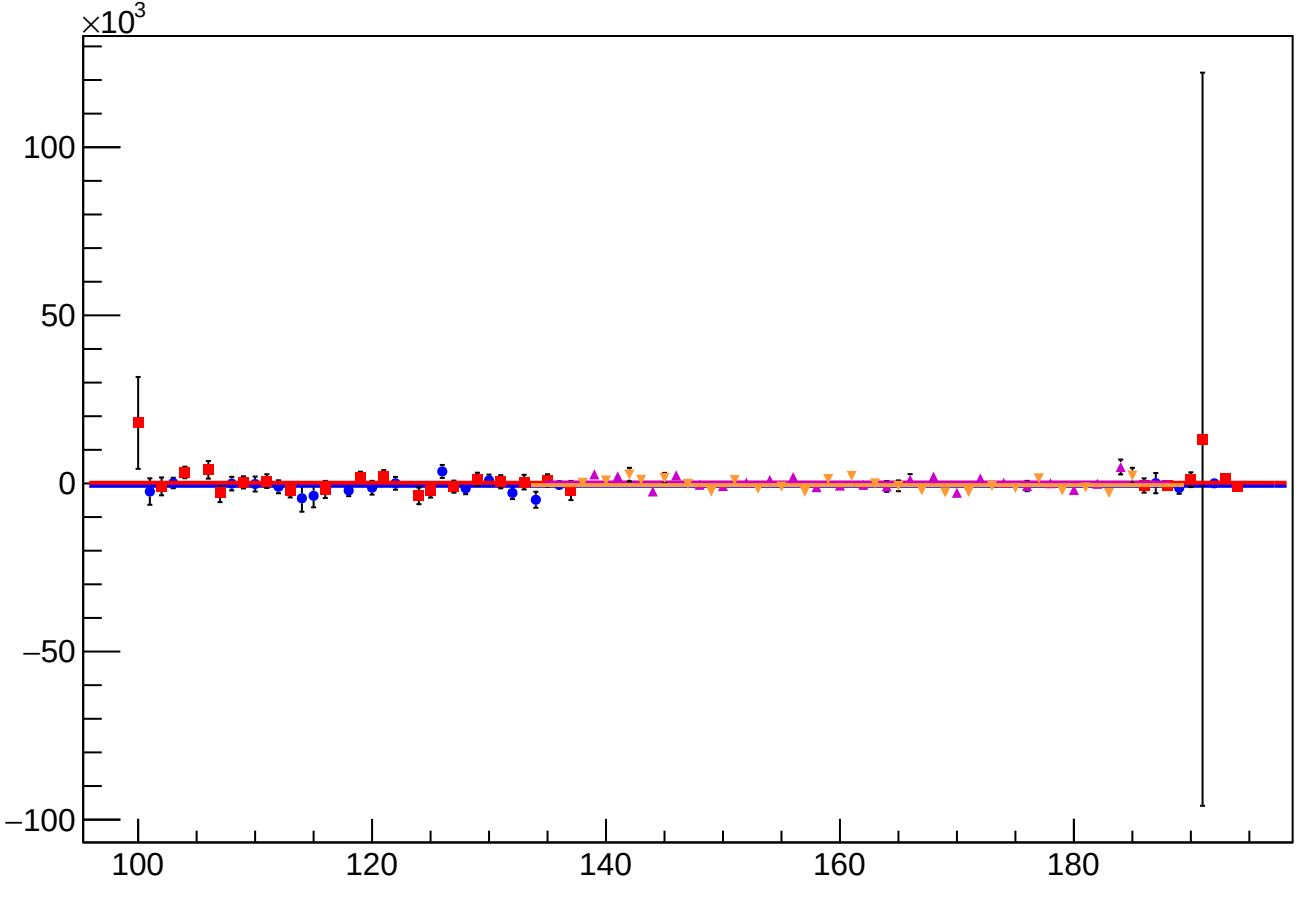
Right Out: 438.524+/-0.116 χ^2/NDF: 7753440.7/24

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 275.267+/-0.042 χ^2/NDF: 13636154.2/43

All: 287.224+/-0.031 χ^2/NDF: 27253957.0/91

- sign 300.656+/-0.045 χ^2/NDF: 13448455.3/47



Right In: -700.662+/-438.379 χ^2/NDF: 14.2/18

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 206.473+/-399.026 χ^2/NDF: 19.8/24

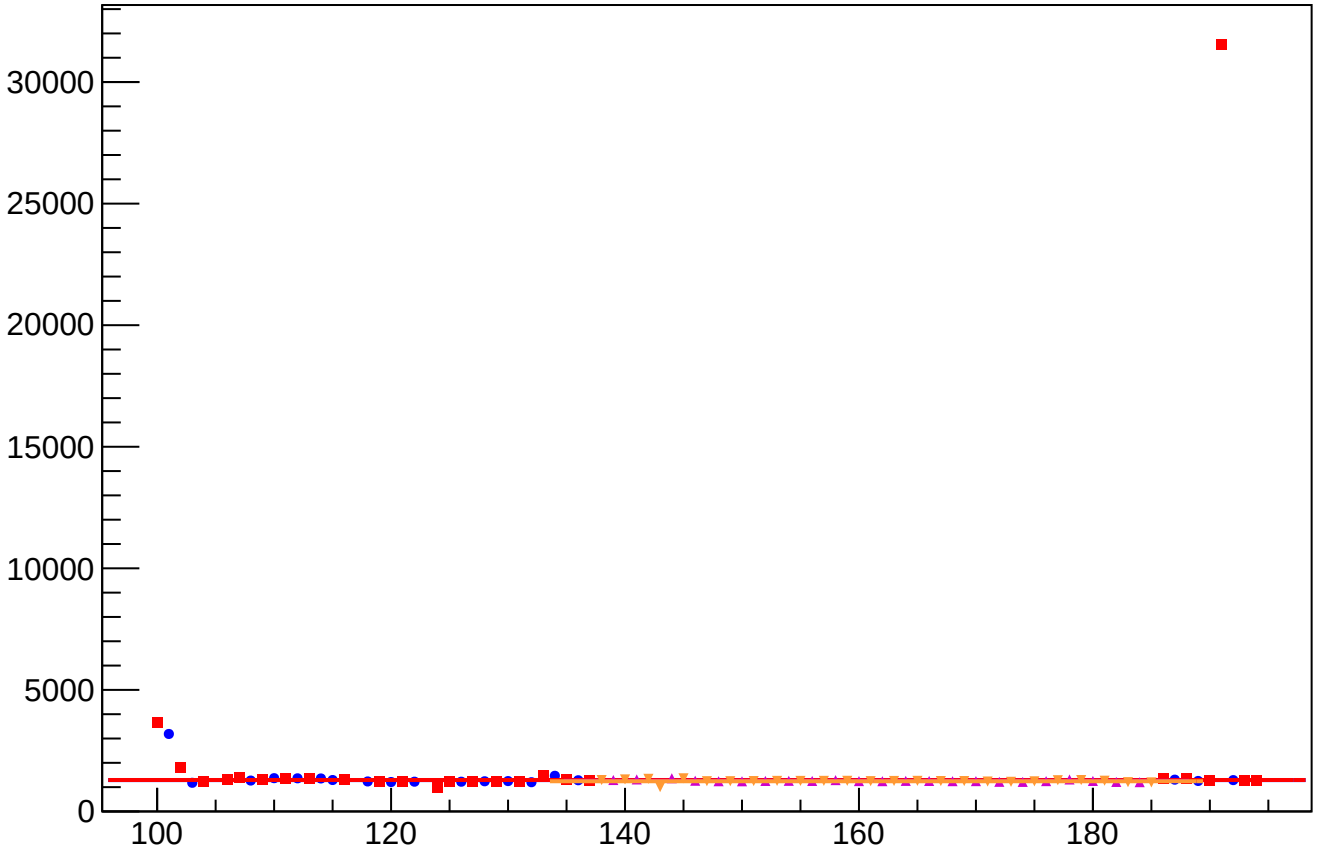
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -554.312+/-237.603 χ^2/NDF: 48.5/43

All: -161.202+/-167.751 χ^2/NDF: 104.5/91

- sign 229.483+/-236.869 χ^2/NDF: 50.5/47

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

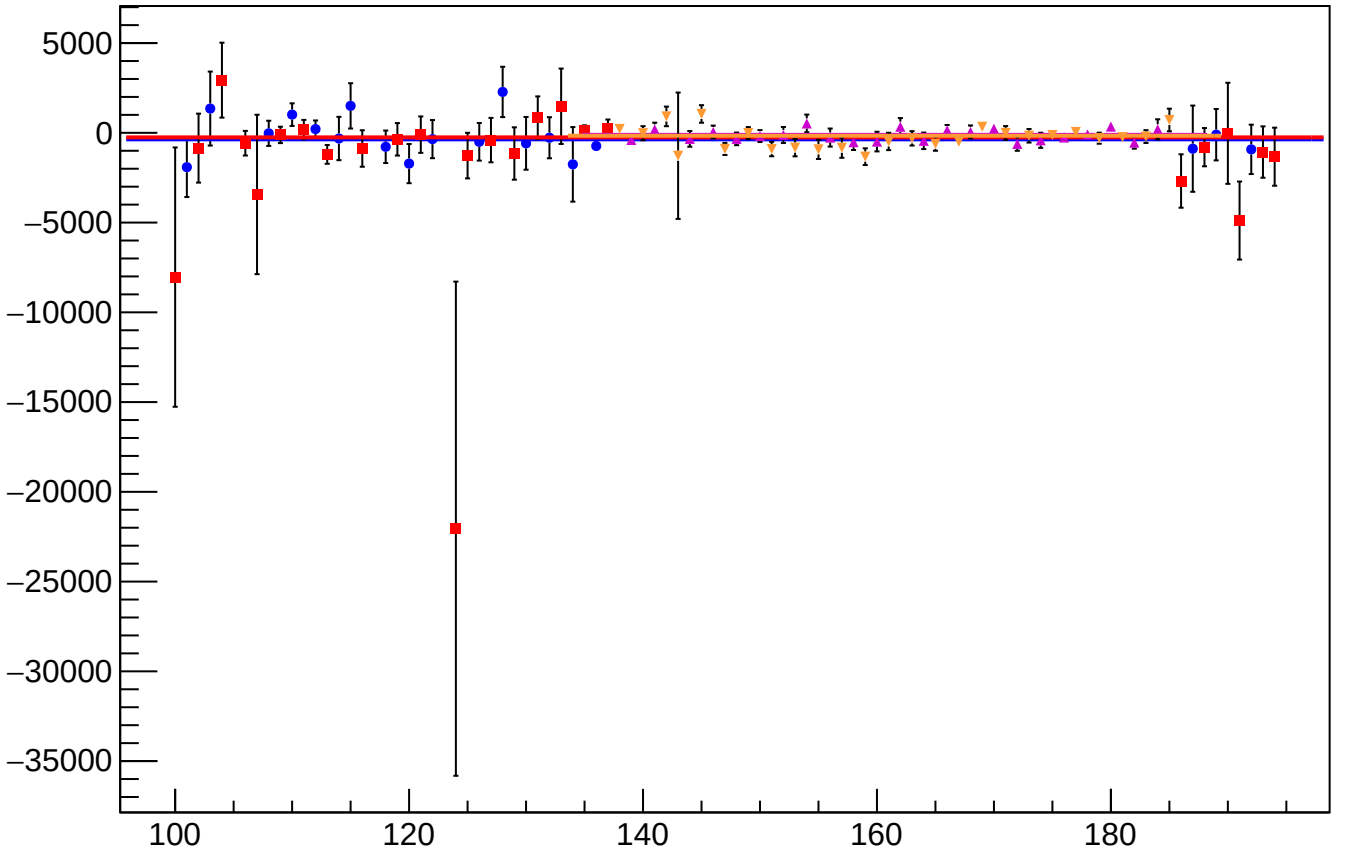
Right Out: 1294.248+/-0.282 χ^2/NDF: 371978.2/24

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1256.377+/-0.168 χ^2/NDF: 656691.0/43

All: 1264.277+/-0.119 χ^2/NDF: 1070499.7/91

- sign 1272.129+/-0.167 χ^2/NDF: 409399.9/47



Right In: -362.710+/-167.125 χ^2/NDF: 18.7/18

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

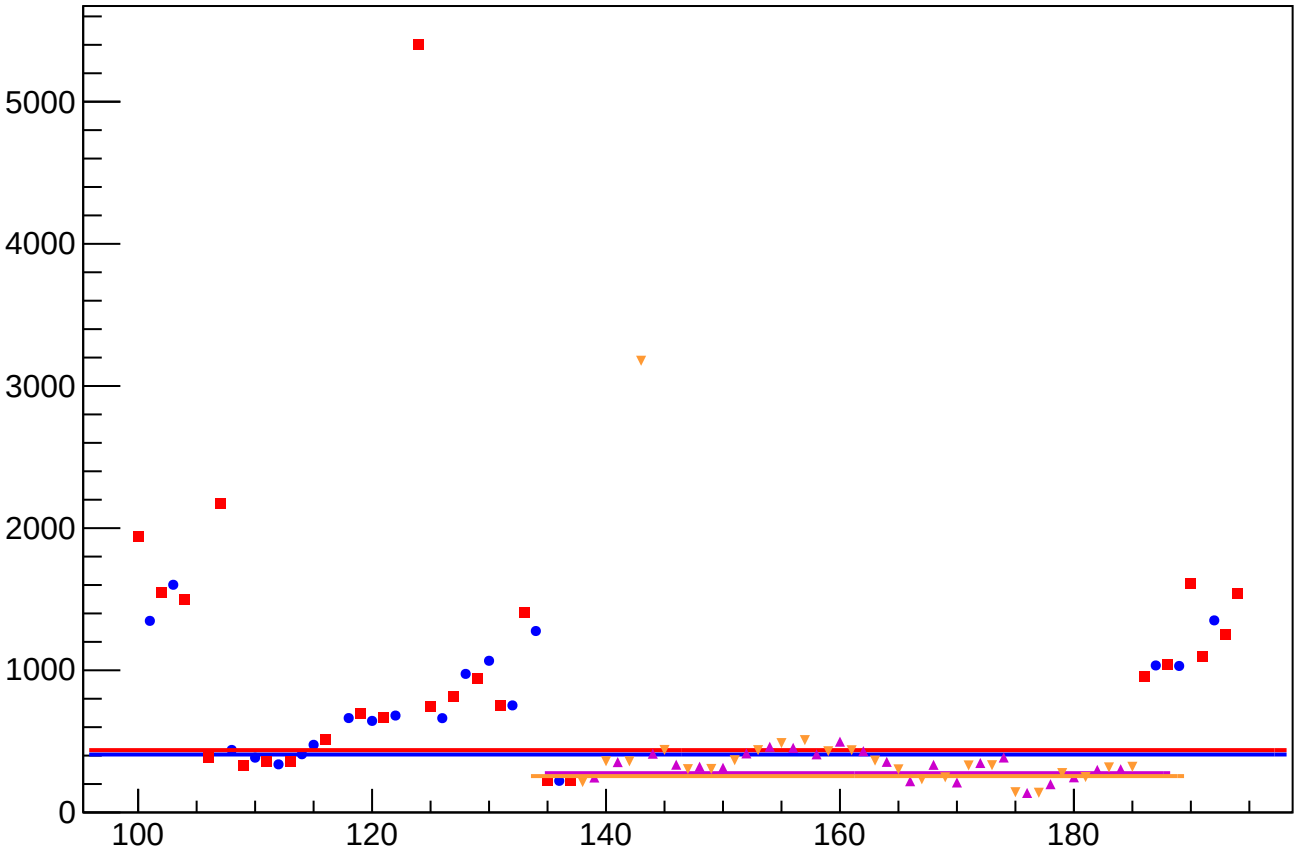
Right Out: -254.074+/-163.781 χ^2/NDF: 24.4/24

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -186.833+/-59.876 χ^2/NDF: 63.7/43

All: -162.325+/-43.551 χ^2/NDF: 107.3/91

- sign -134.793+/-63.463 χ^2/NDF: 43.2/47



Right In: 407.689+/-0.118 χ^2/NDF: 5821635.1/18

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 438.532+/-0.116 χ^2/NDF: 7753231.8/24

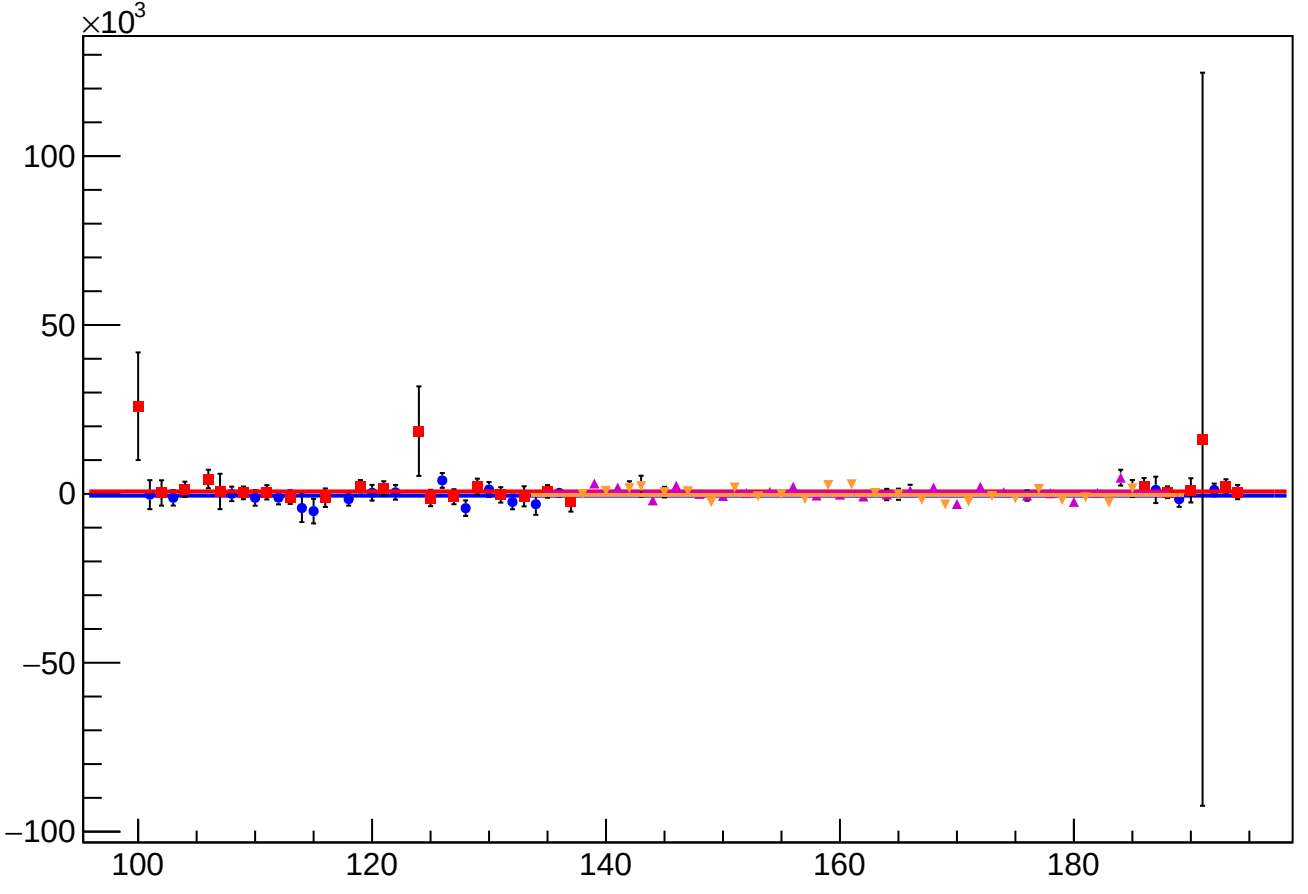
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 275.269+/-0.042 χ^2/NDF: 13635963.2/43

All: 287.226+/-0.031 χ^2/NDF: 27253638.7/91

- sign 300.657+/-0.045 χ^2/NDF: 13448340.1/47

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: 724.004+/-491.743 χ^2/NDF: 12.3/24

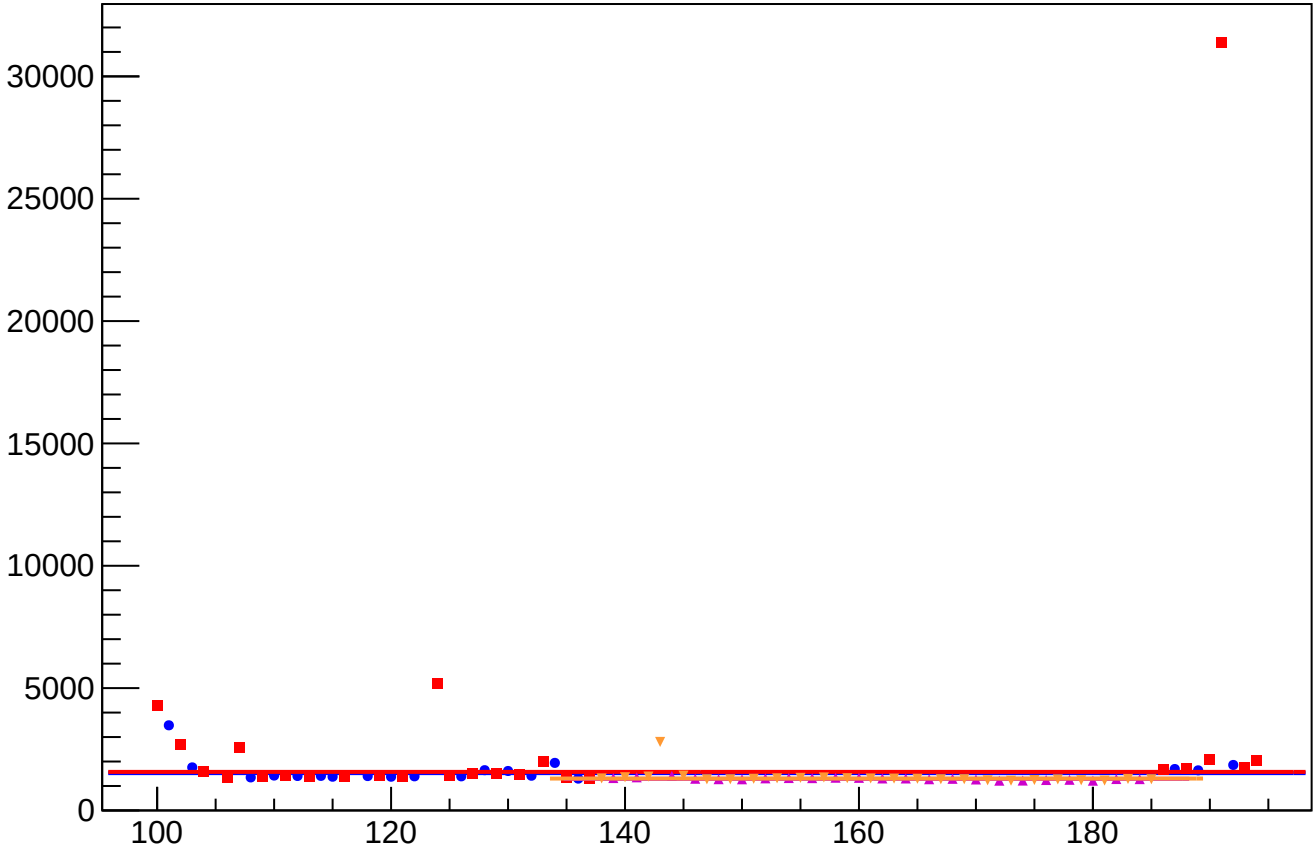
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -369.552+/-258.866 χ^2/NDF: 45.4/43

All: 46.270+/-182.484 χ^2/NDF: 92.9/91

- sign 457.020+/-257.283 χ^2/NDF: 42.4/47

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

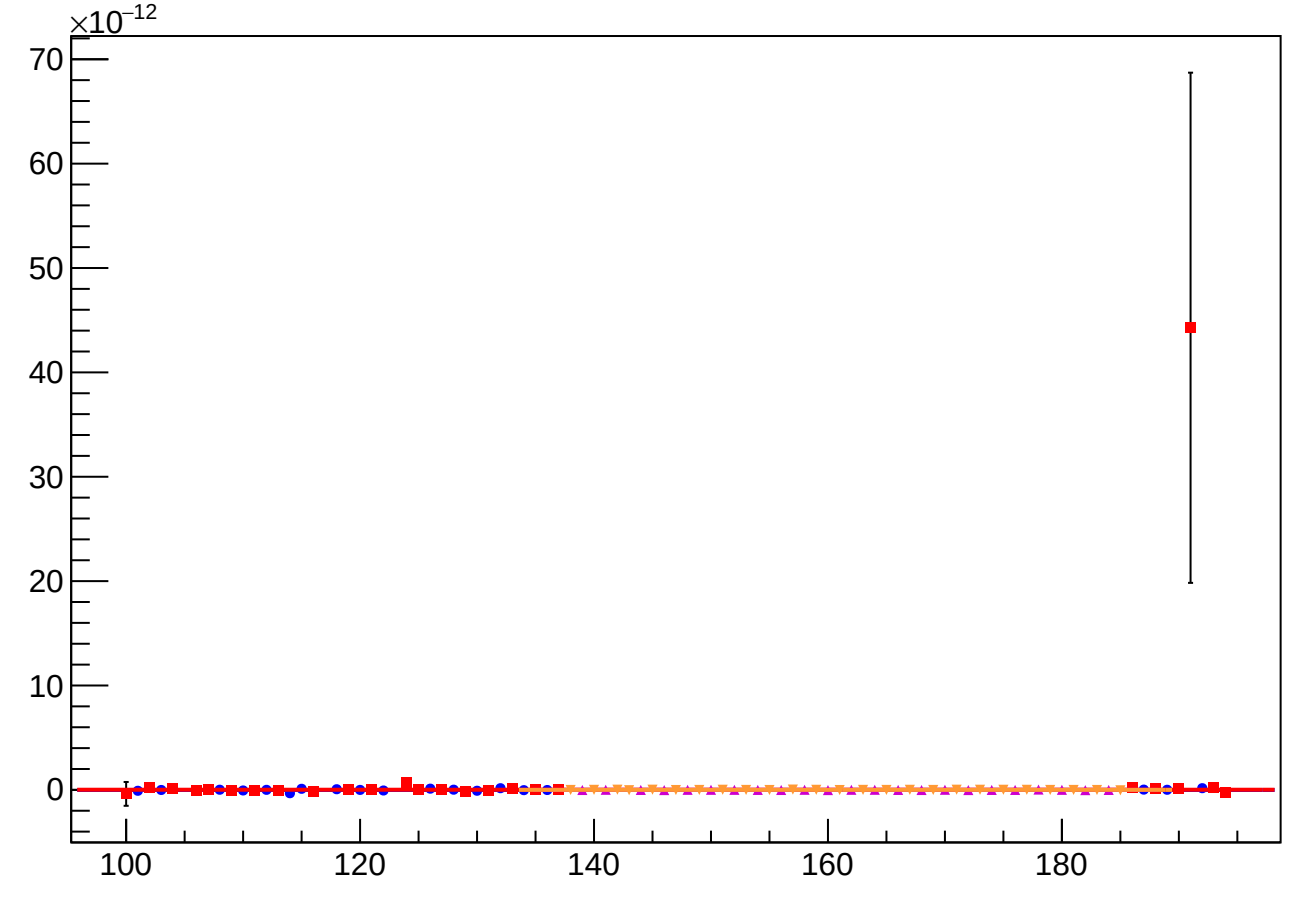
Right Out: 1576.180+/-0.348 χ^2/NDF: 975572.1/24

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1358.846+/-0.183 χ^2/NDF: 1458014.6/43

All: 1364.398+/-0.129 χ^2/NDF: 2968439.0/91

- sign 1369.883+/-0.182 χ^2/NDF: 1508595.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 10.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

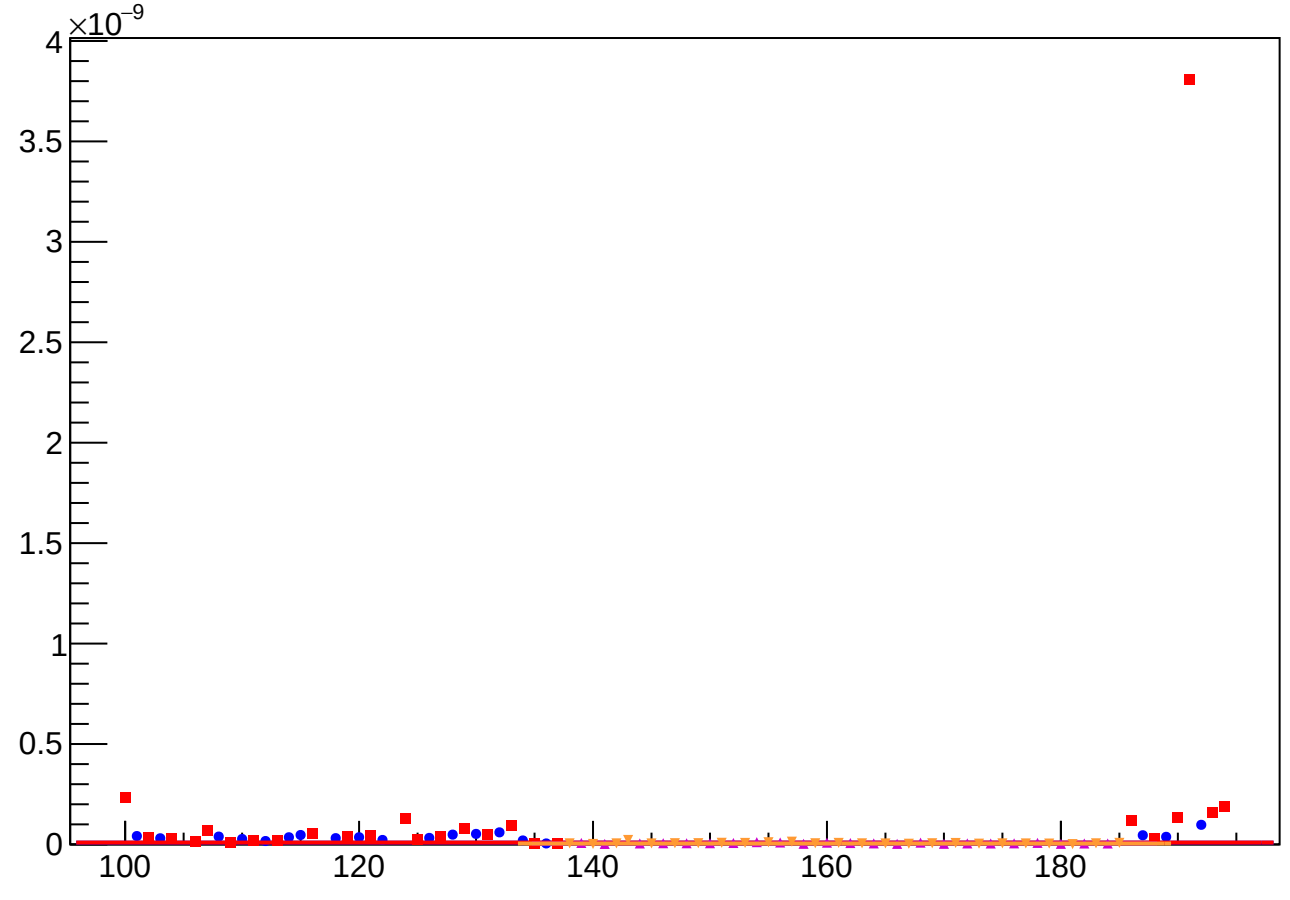
Right Out: 0.000+/-0.000 χ^2/NDF: 31.7/24

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/43

All: 0.000+/-0.000 χ^2/NDF: 101.2/91

- sign 0.000+/-0.000 χ^2/NDF: 63.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 3883043.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

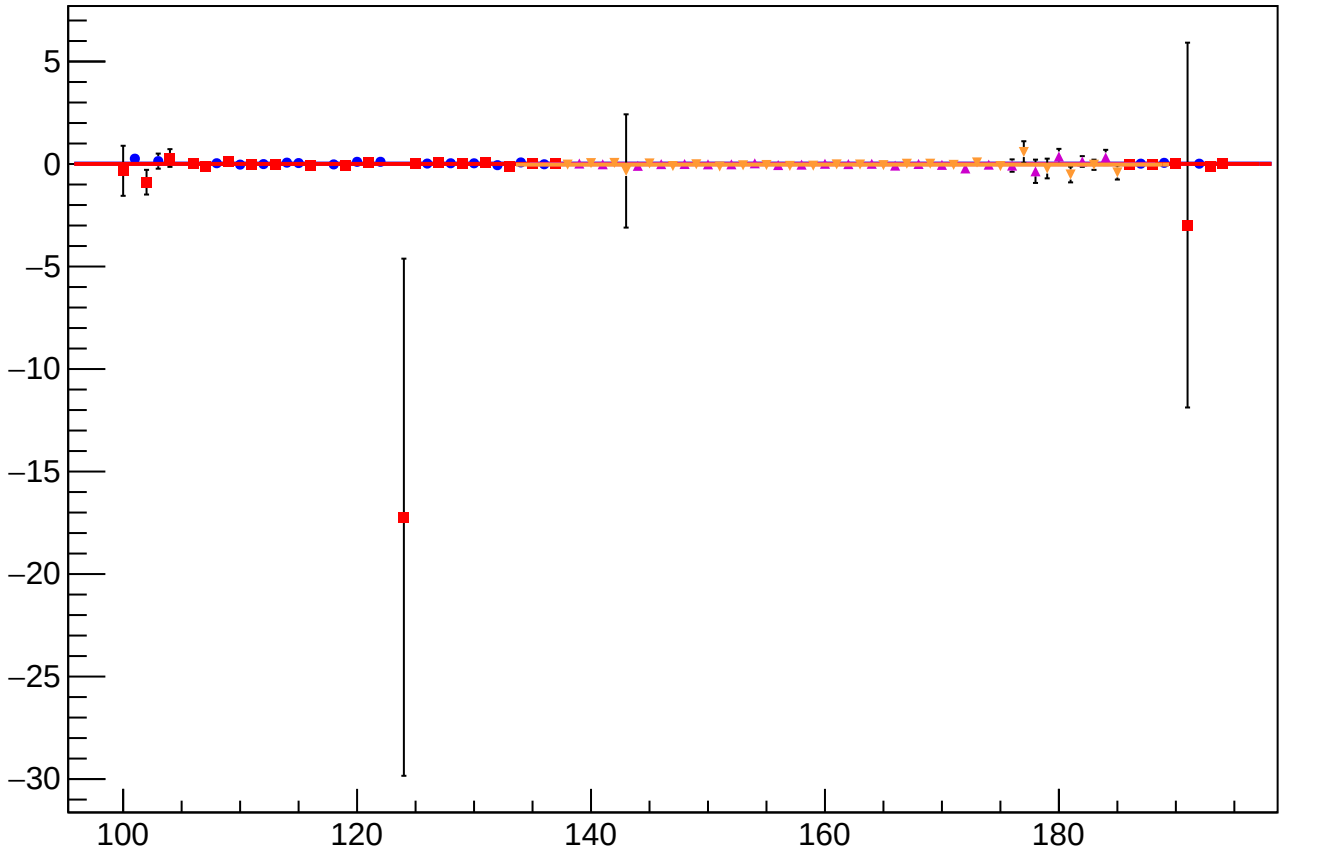
Right Out: 0.000+/-0.000 χ^2/NDF: 5914951.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7228837.9/43

All: 0.000+/-0.000 χ^2/NDF: 15685516.5/91

- sign 0.000+/-0.000 χ^2/NDF: 8431722.4/47



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/24

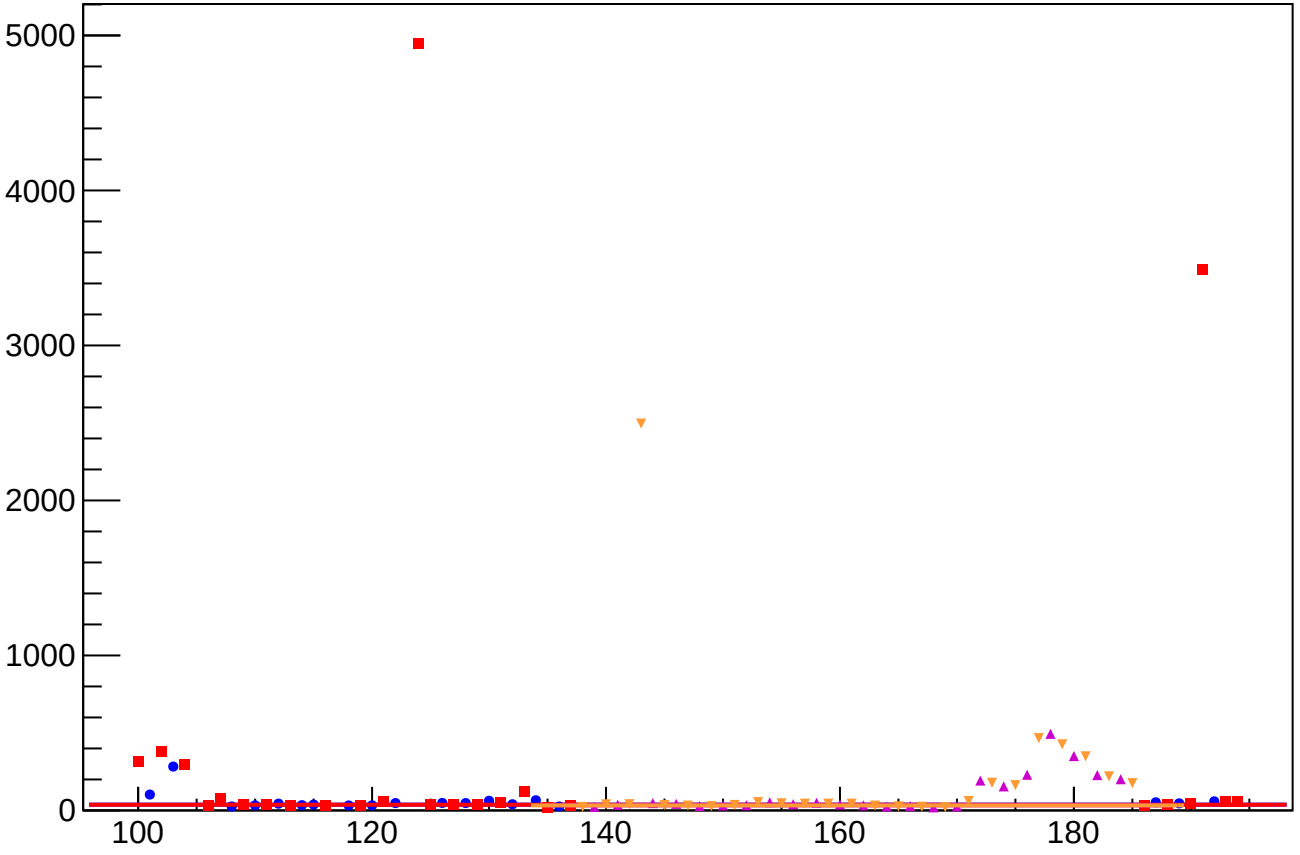
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.010+/-0.006 χ^2/NDF: 81.8/91

- sign -0.005+/-0.008 χ^2/NDF: 34.2/47

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

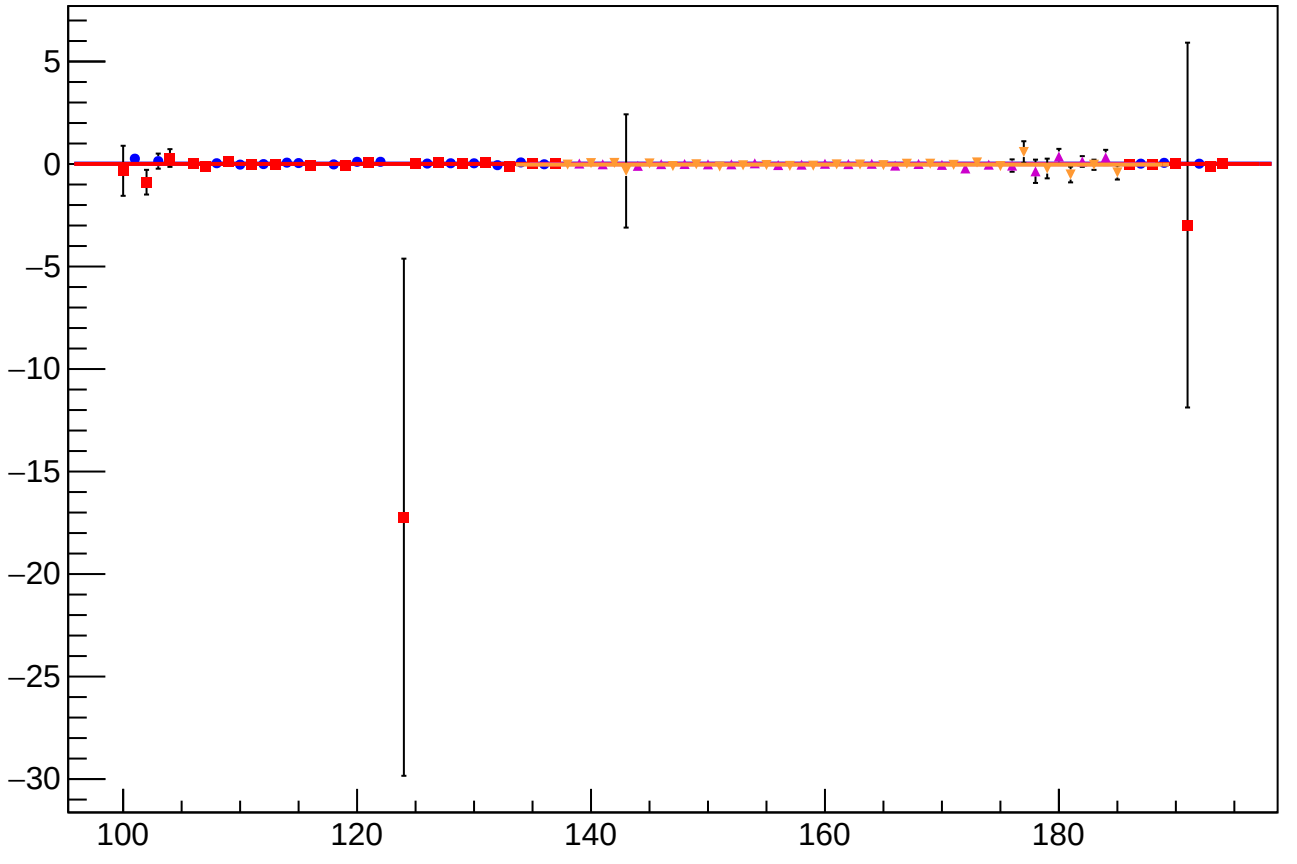
Right Out: 36.881+/-0.009 χ^2/NDF: 3779792.3/24

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576693.3/43

All: 34.080+/-0.004 χ^2/NDF: 26448163.5/91

- sign 34.135+/-0.005 χ^2/NDF: 12871259.0/47



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

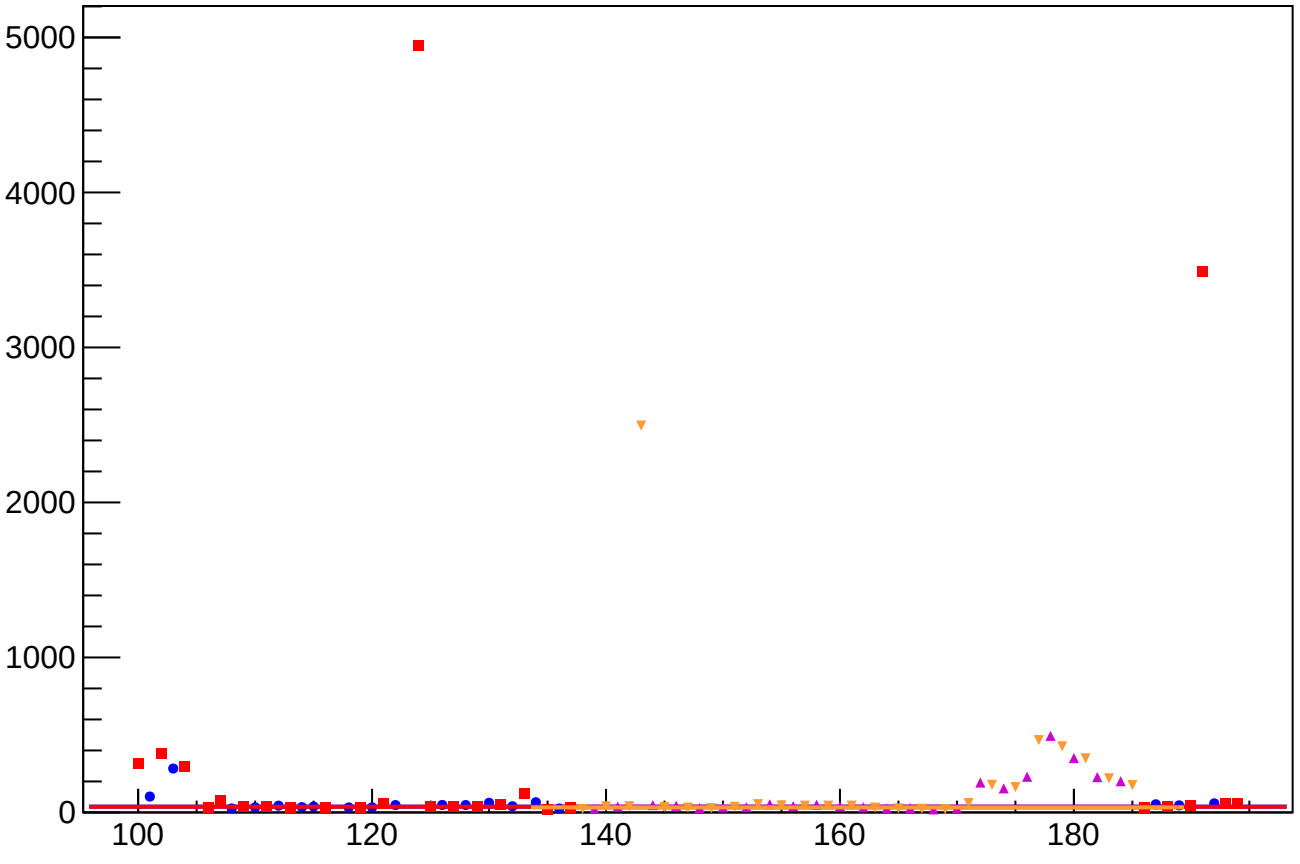
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.010+/-0.006 χ^2/NDF: 81.8/91

- sign -0.005+/-0.008 χ^2/NDF: 34.2/47



Right In: 37.488+/-0.010 χ^2/NDF: 2544712.0/18

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

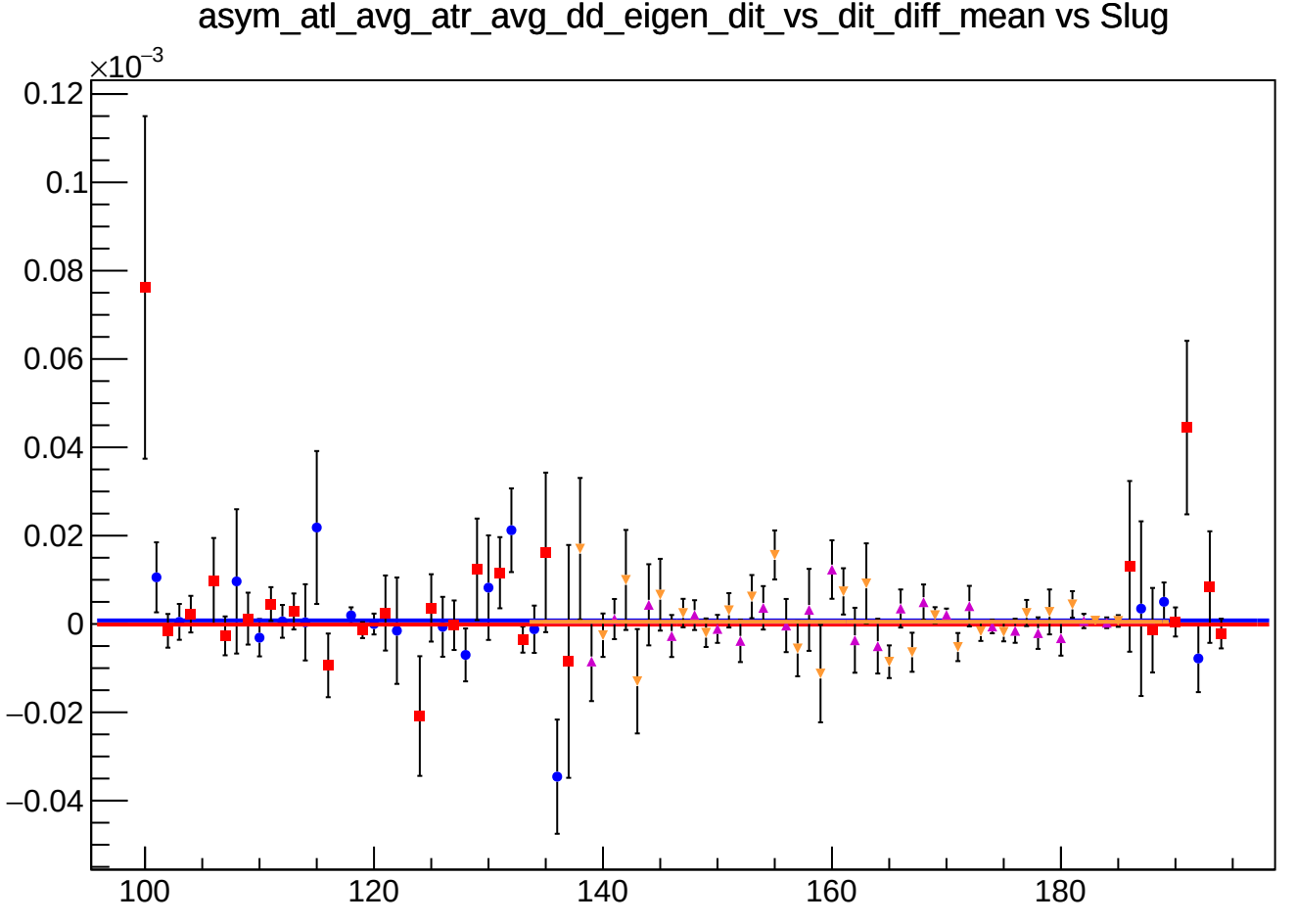
Right Out: 36.881+/-0.009 χ^2/NDF: 3779792.3/24

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576693.3/43

All: 34.080+/-0.004 χ^2/NDF: 26448163.5/91

- sign 34.135+/-0.005 χ^2/NDF: 12871259.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

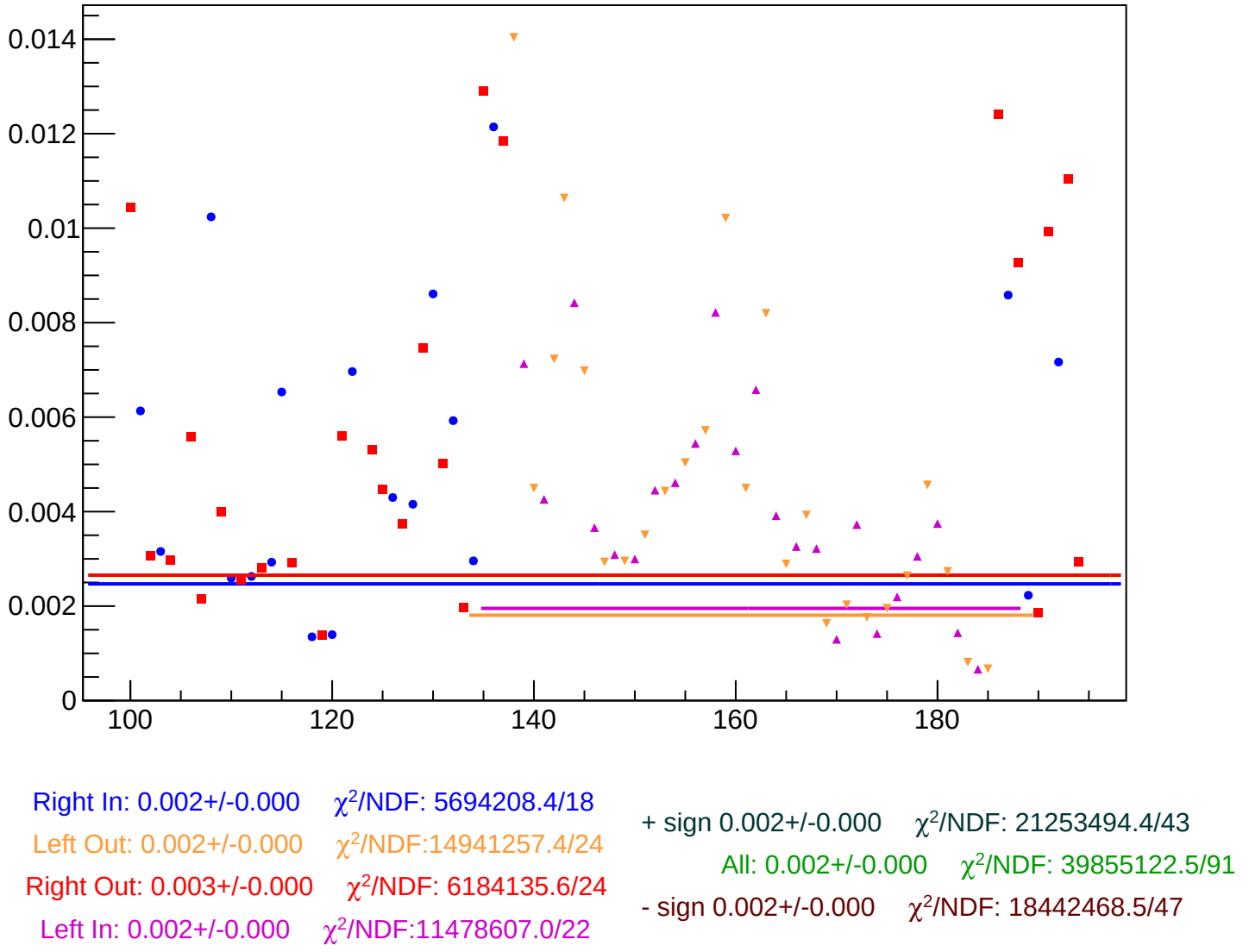
Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/24

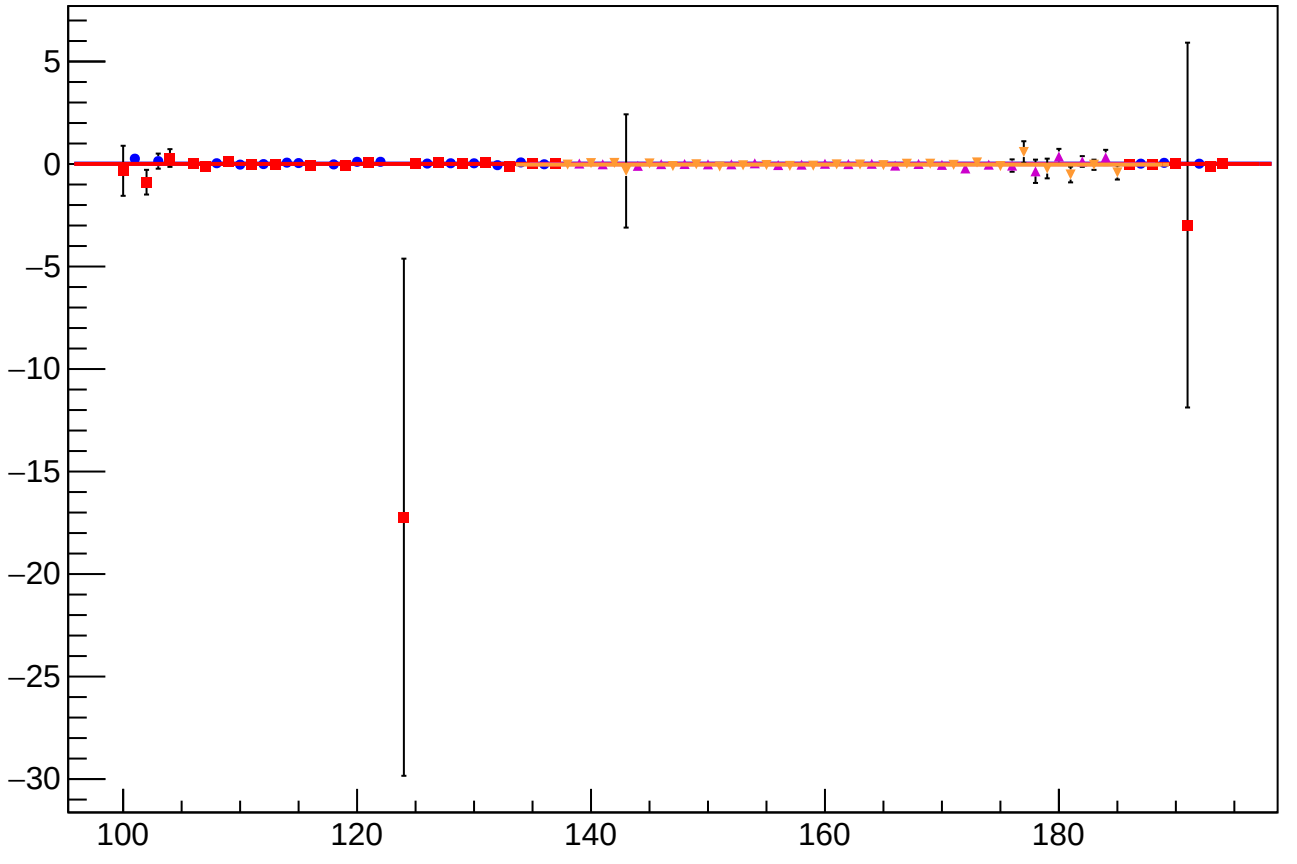
Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.1/43

All: 0.000+/-0.000 χ^2/NDF: 95.8/91

- sign 0.000+/-0.000 χ^2/NDF: 38.5/47


asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
Right In: 0.002+/-0.000 χ²/NDF: 5694208.4/18
Left Out: 0.002+/-0.000 χ²/NDF:14941257.4/24
Right Out: 0.003+/-0.000 χ²/NDF: 6184135.6/24
Left In: 0.002+/-0.000 χ²/NDF:11478607.0/22
+ sign 0.002+/-0.000 χ²/NDF: 21253494.4/43
All: 0.002+/-0.000 χ²/NDF: 39855122.5/91
- sign 0.002+/-0.000 χ²/NDF: 18442468.5/47



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

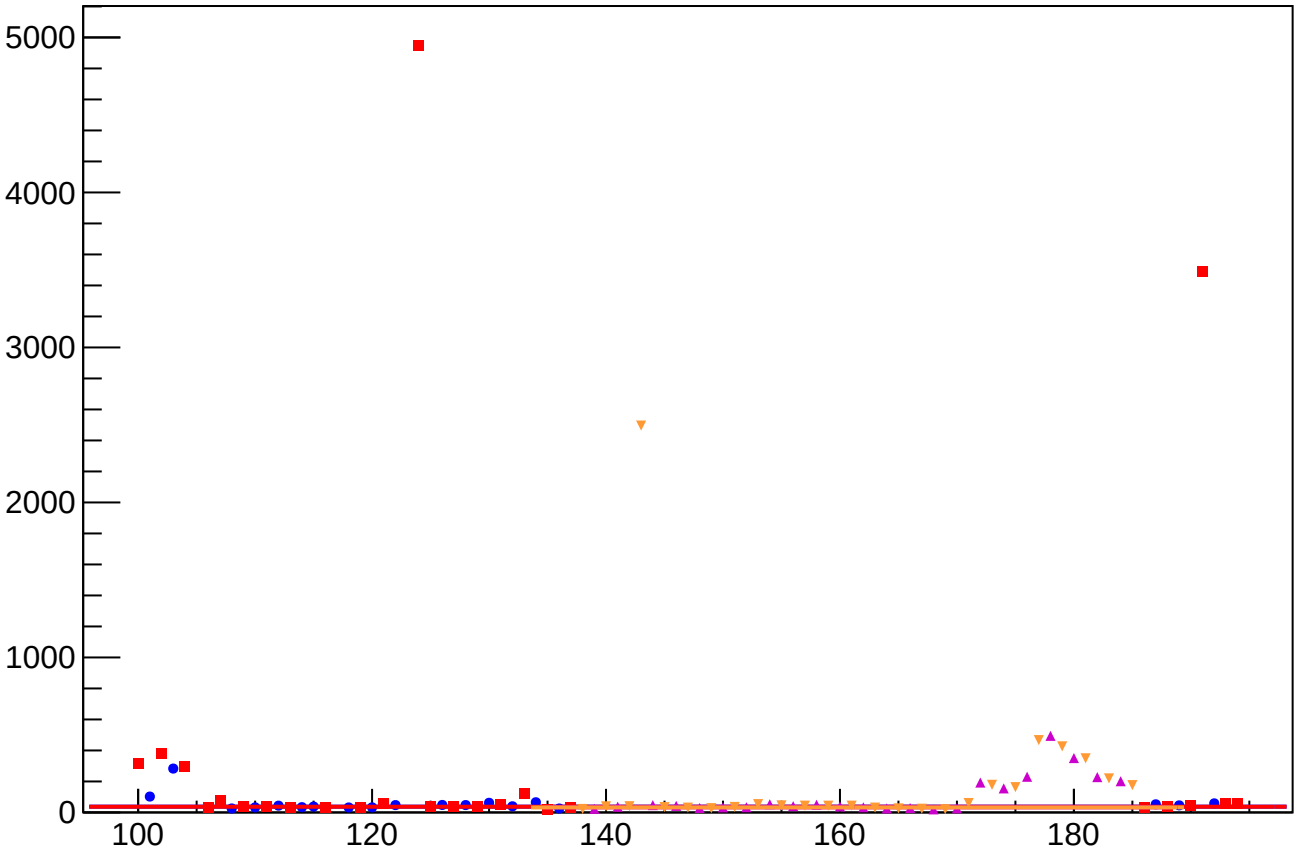
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.010+/-0.006 χ^2/NDF: 81.8/91

- sign -0.005+/-0.008 χ^2/NDF: 34.2/47



Right In: 37.489+/-0.010 χ^2/NDF: 2544334.6/18

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

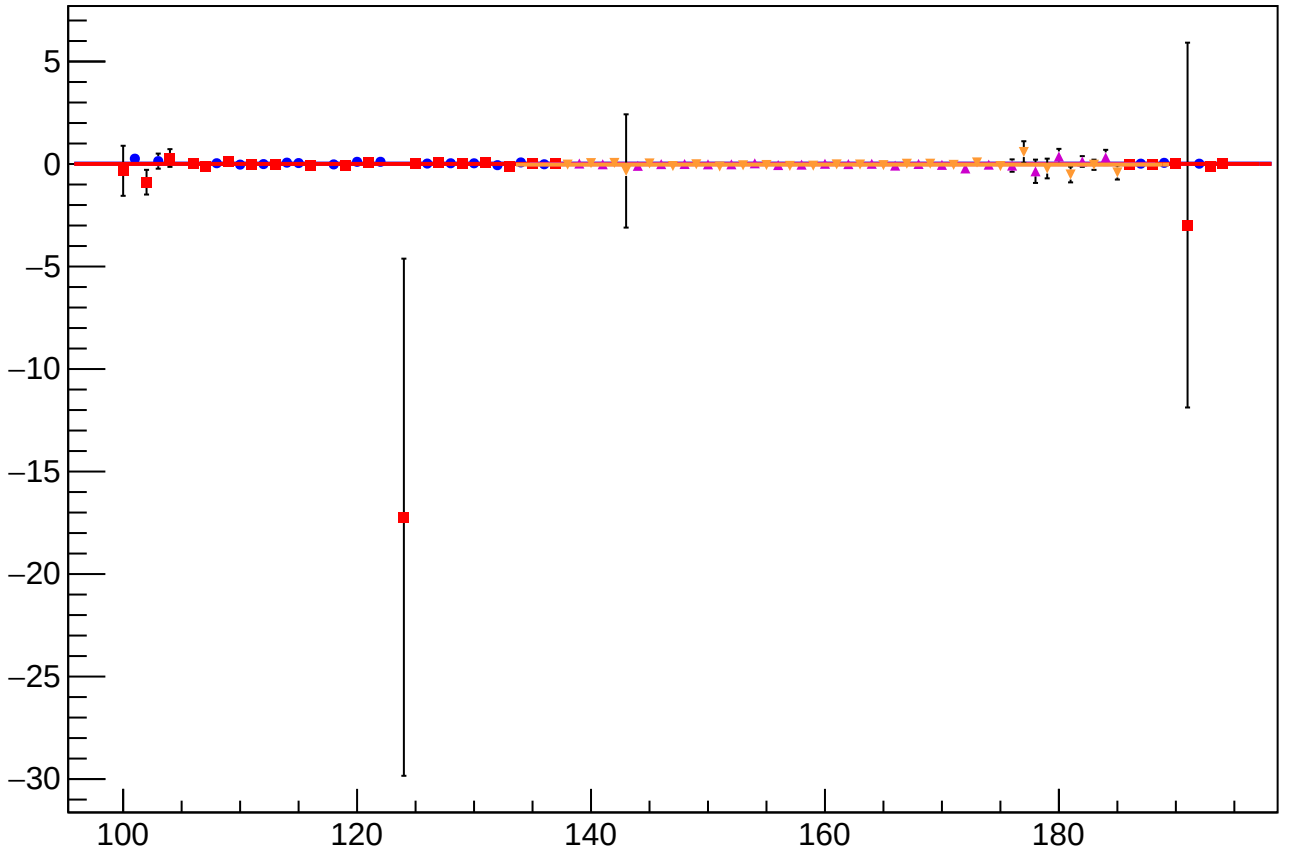
Right Out: 36.882+/-0.009 χ^2/NDF: 3779547.2/24

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576671.6/43

All: 34.079+/-0.004 χ^2/NDF: 26448623.5/91

- sign 34.134+/-0.005 χ^2/NDF: 12871744.4/47



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

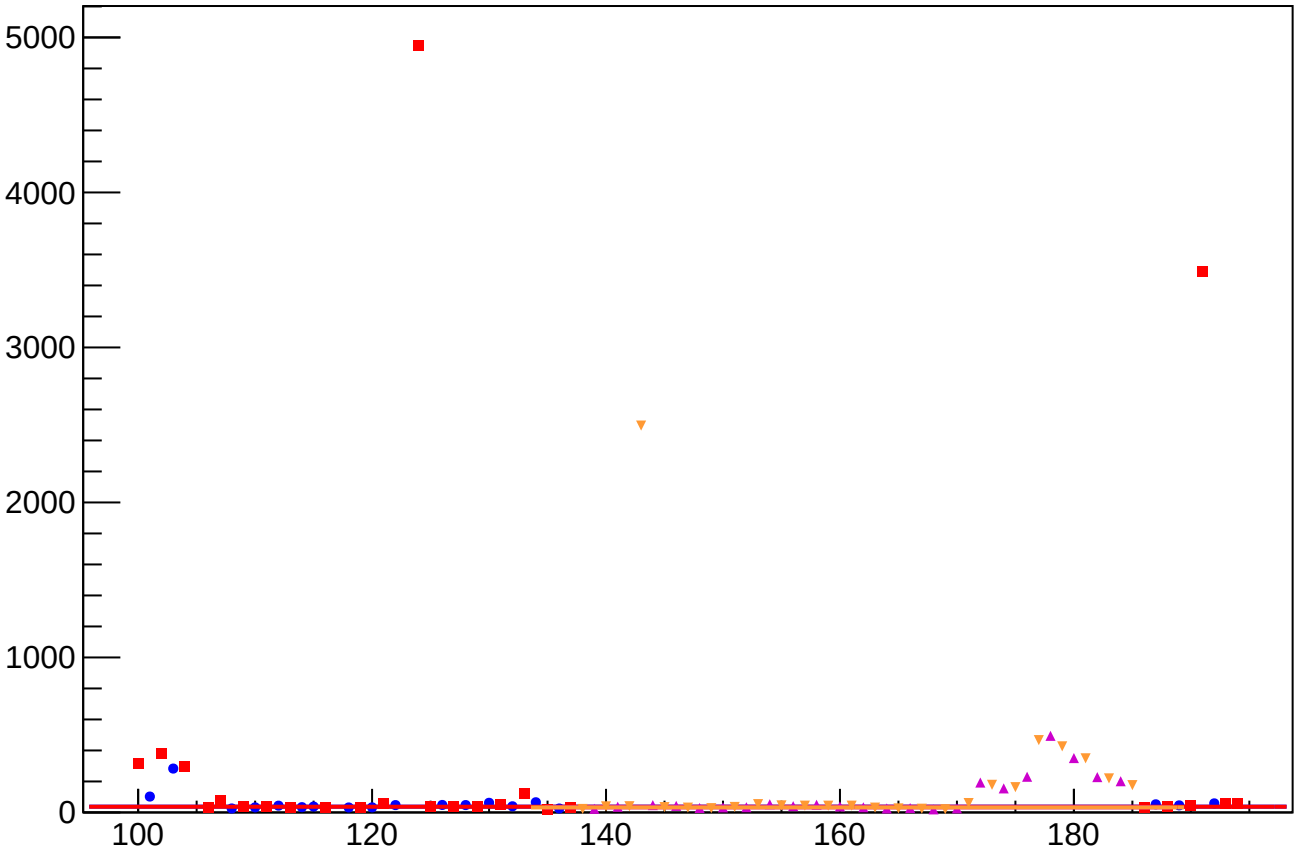
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.010+/-0.006 χ^2/NDF: 81.8/91

- sign -0.005+/-0.008 χ^2/NDF: 34.2/47



Right In: 37.489+/-0.010 χ^2/NDF: 2544334.6/18

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

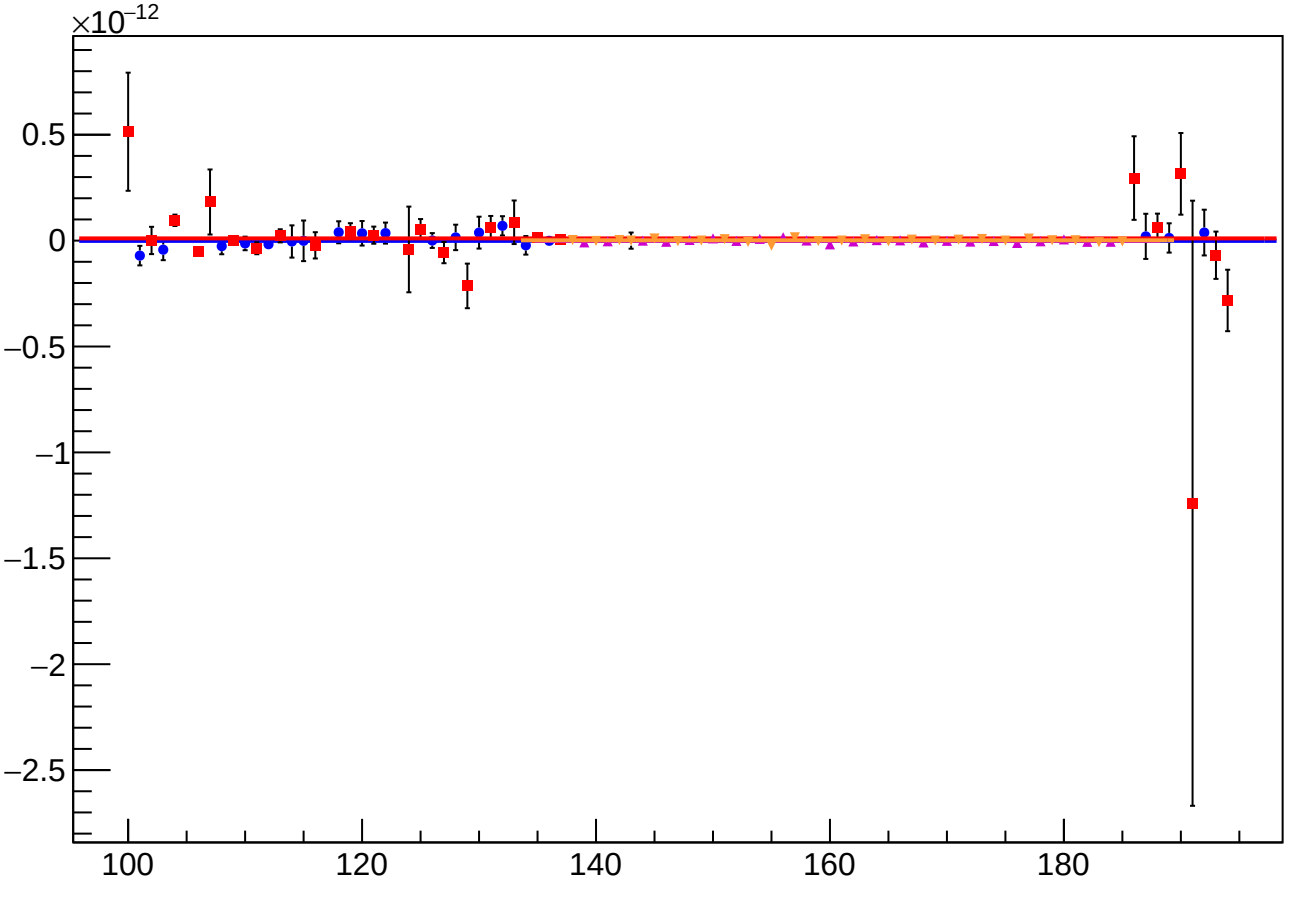
Right Out: 36.882+/-0.009 χ^2/NDF: 3779547.2/24

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576671.6/43

All: 34.079+/-0.004 χ^2/NDF: 26448623.5/91

- sign 34.134+/-0.005 χ^2/NDF: 12871744.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 8.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

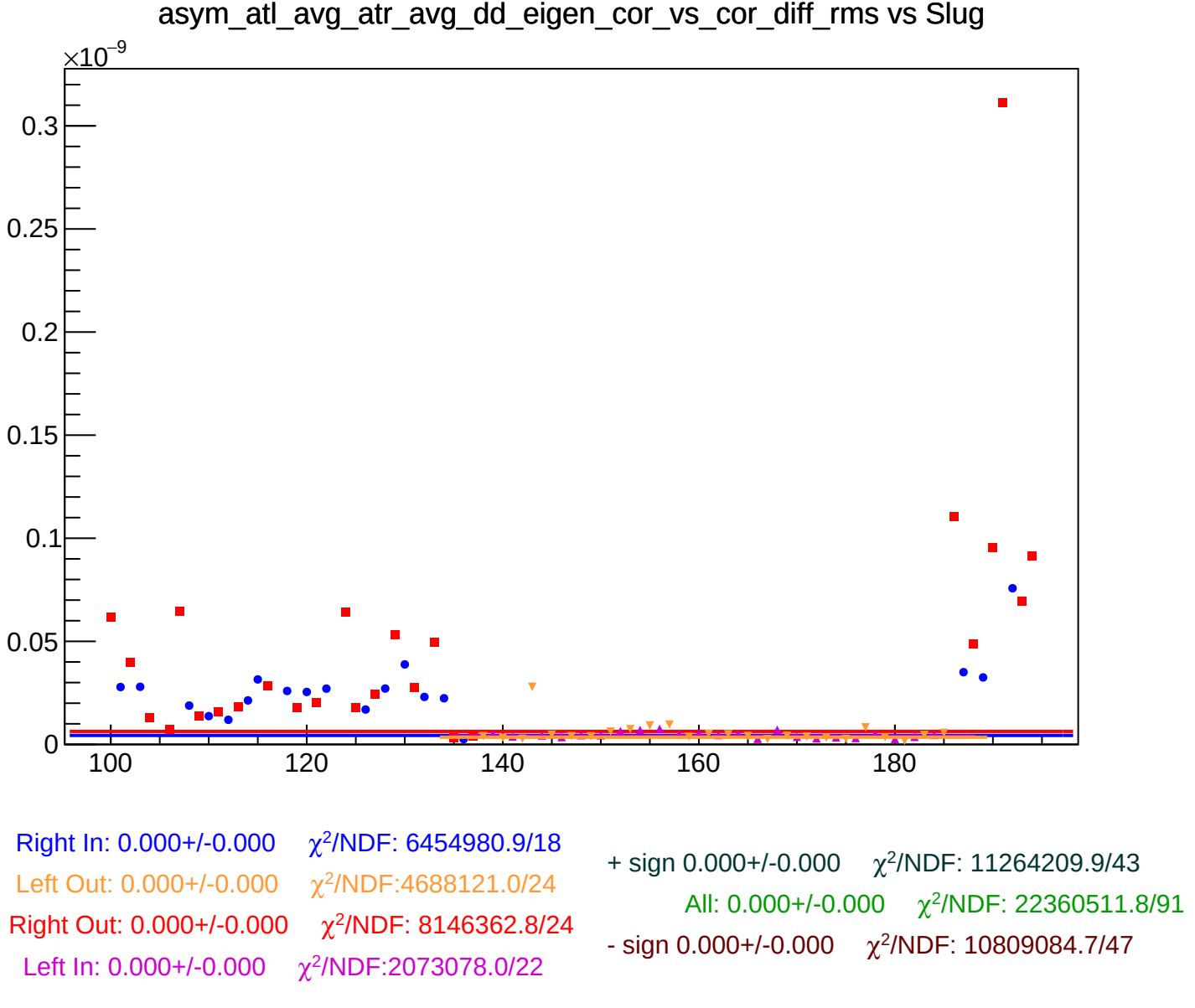
Right Out: 0.000+/-0.000 χ^2/NDF: 50.5/24

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

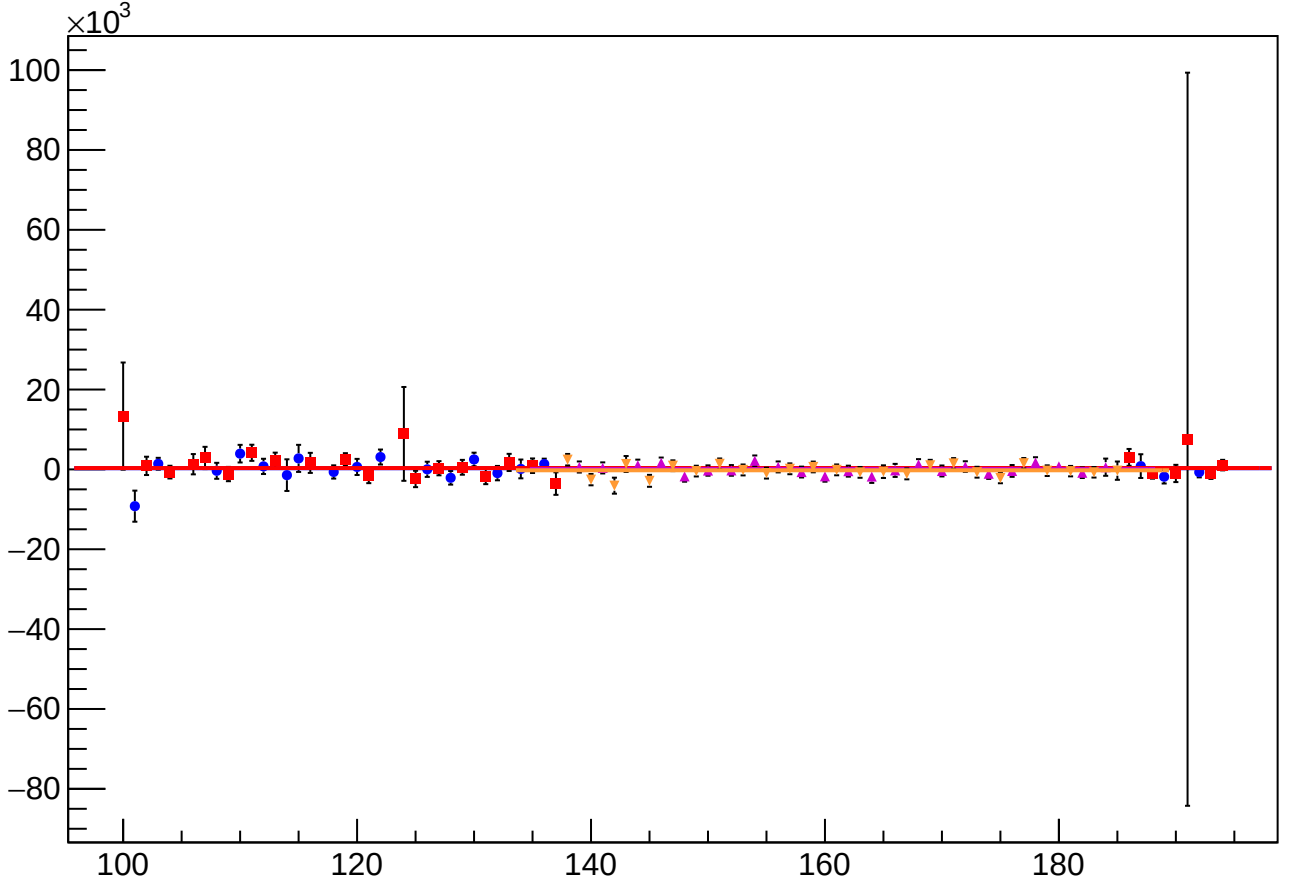
+ sign 0.000+/-0.000 χ^2/NDF: 27.5/43

All: 0.000+/-0.000 χ^2/NDF: 115.1/91

- sign -0.000+/-0.000 χ^2/NDF: 86.5/47


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: 8146362.8/24
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: 22360511.8/91
- sign 0.000+/-0.000 χ²/NDF: 10809084.7/47

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: 336.374+/-396.306 χ^2/NDF: 21.0/24

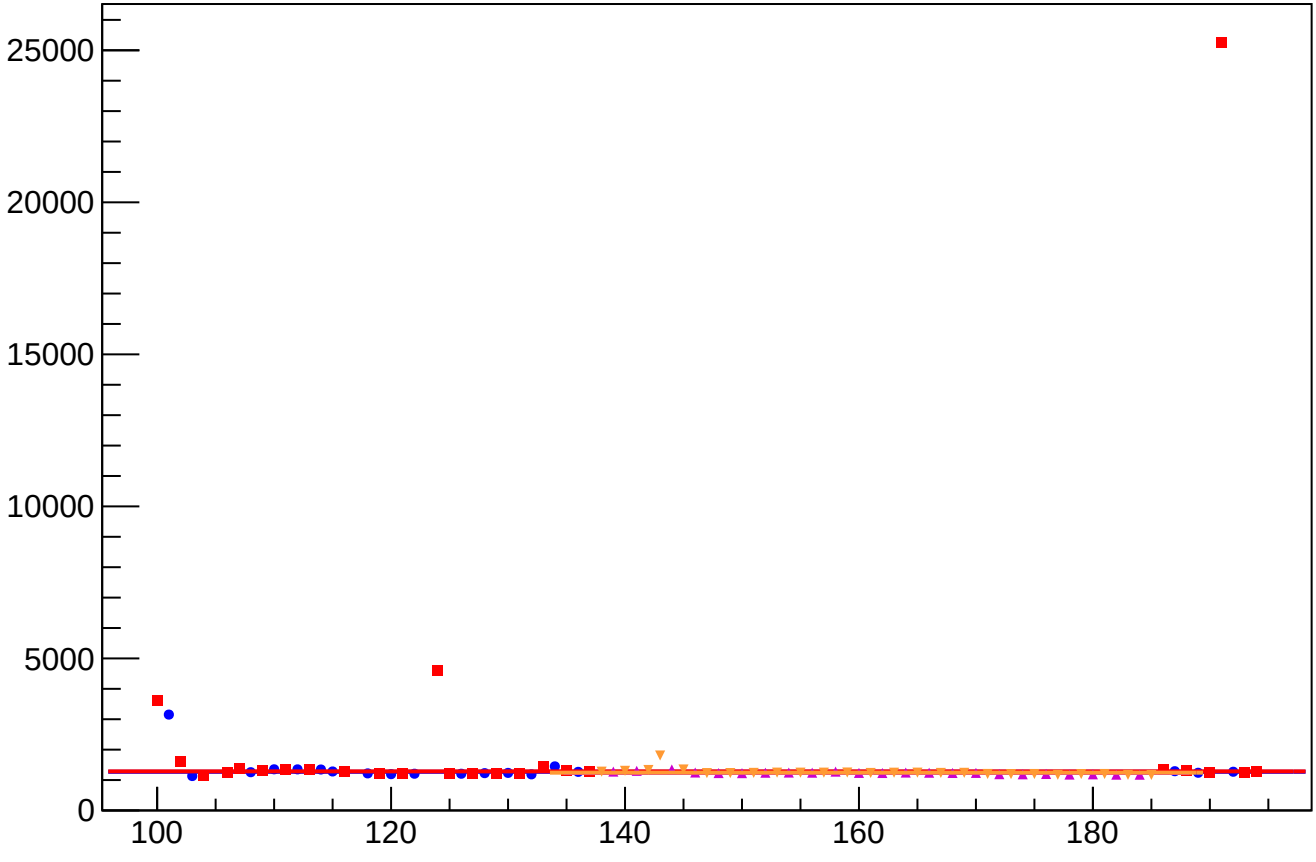
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -67.041+/-236.785 χ^2/NDF: 44.5/43

All: 56.795+/-166.111 χ^2/NDF: 81.0/91

- sign 176.801+/-233.093 χ^2/NDF: 35.9/47

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

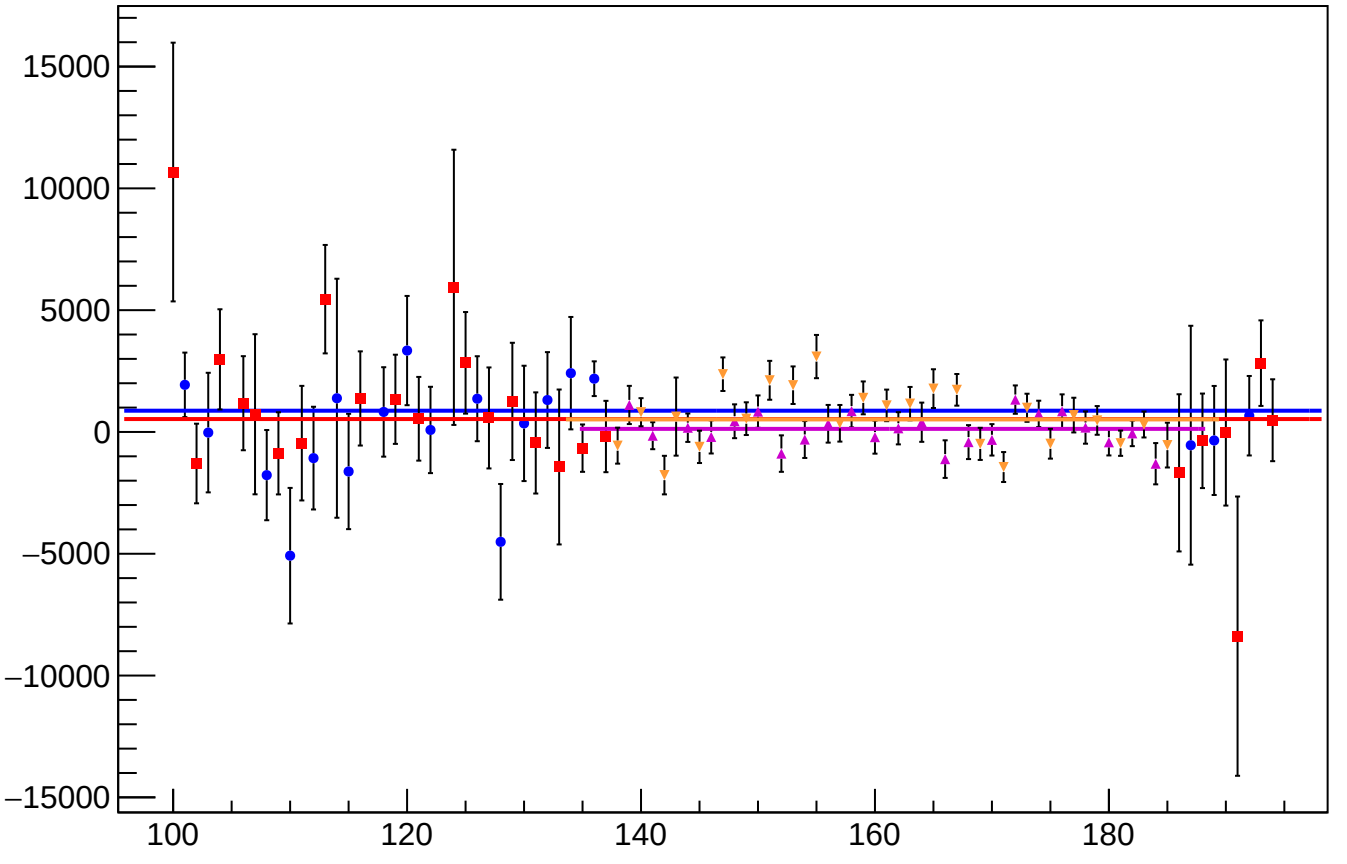
Right Out: 1285.519+/-0.280 χ^2/NDF: 467824.6/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729380.4/43

All: 1251.487+/-0.117 χ^2/NDF: 1258808.9/91

- sign 1251.660+/-0.165 χ^2/NDF: 529426.3/47



Right In: 872.801+/-403.848 χ^2/NDF: 20.3/18

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 529.973+/-396.869 χ^2/NDF: 22.0/24

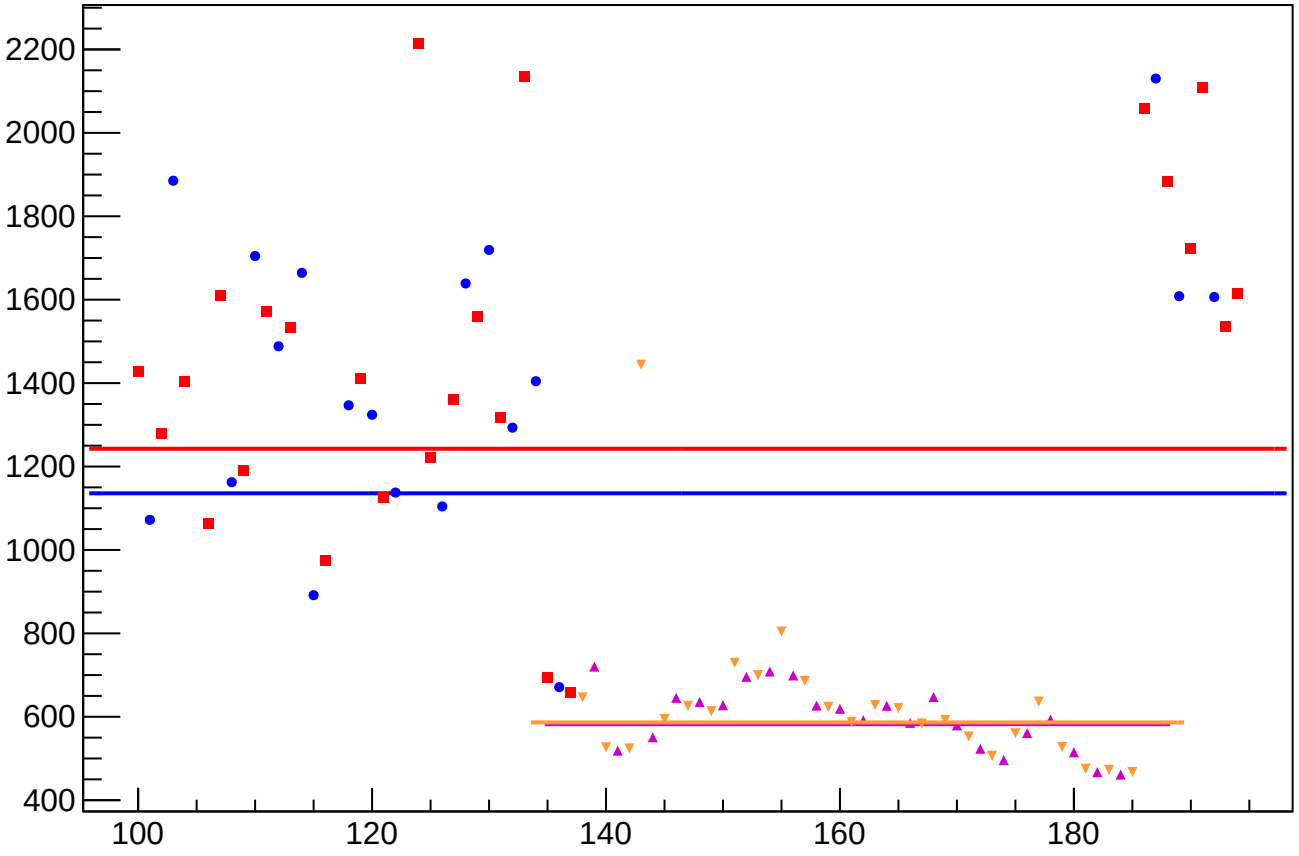
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 552.932+/-128.672 χ^2/NDF: 88.1/43

All: 362.866+/-91.355 χ^2/NDF: 136.9/91

- sign 169.671+/-129.726 χ^2/NDF: 44.5/47

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

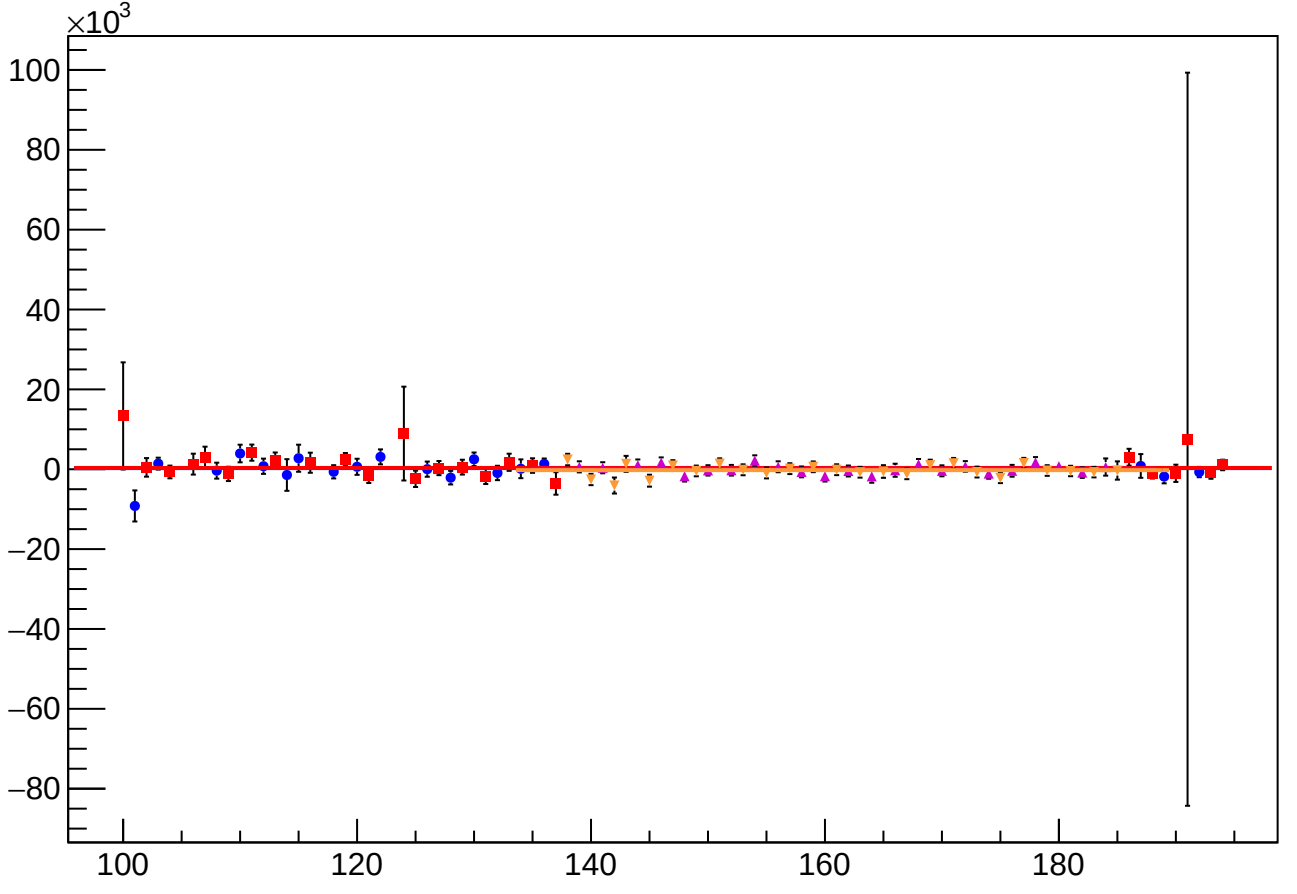
Right Out: 1242.658+/-0.281 χ^2/NDF: 2009753.5/24

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 642.312+/-0.091 χ^2/NDF: 6382098.2/43

All: 647.493+/-0.065 χ^2/NDF: 13904912.2/91

- sign 652.759+/-0.092 χ^2/NDF: 7516276.5/47



Right In: 291.450+/-432.155 χ^2/NDF: 19.6/18

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 322.039+/-396.764 χ^2/NDF: 20.9/24

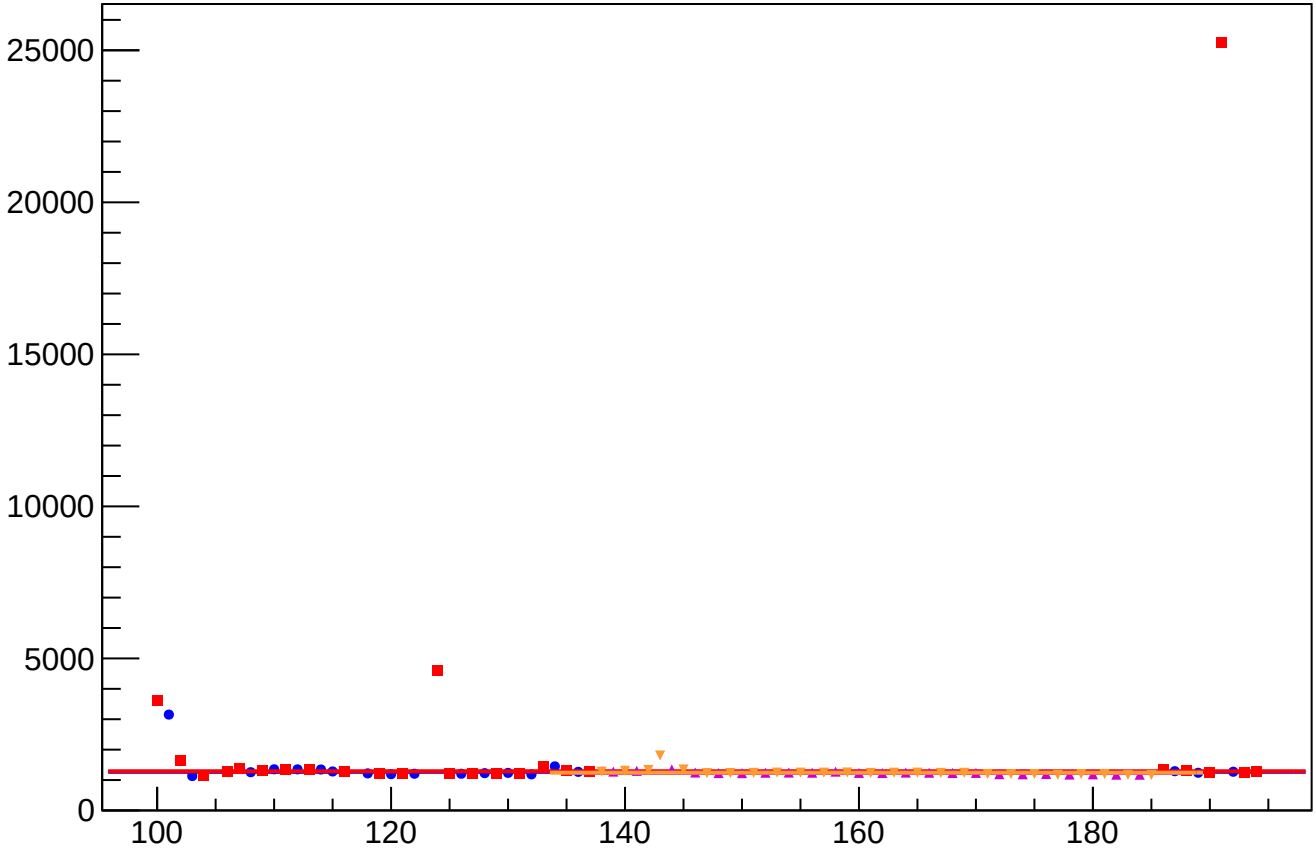
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -66.985+/-236.785 χ^2/NDF: 44.5/43

All: 54.219+/-166.145 χ^2/NDF: 80.8/91

- sign 171.768+/-233.186 χ^2/NDF: 35.8/47

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

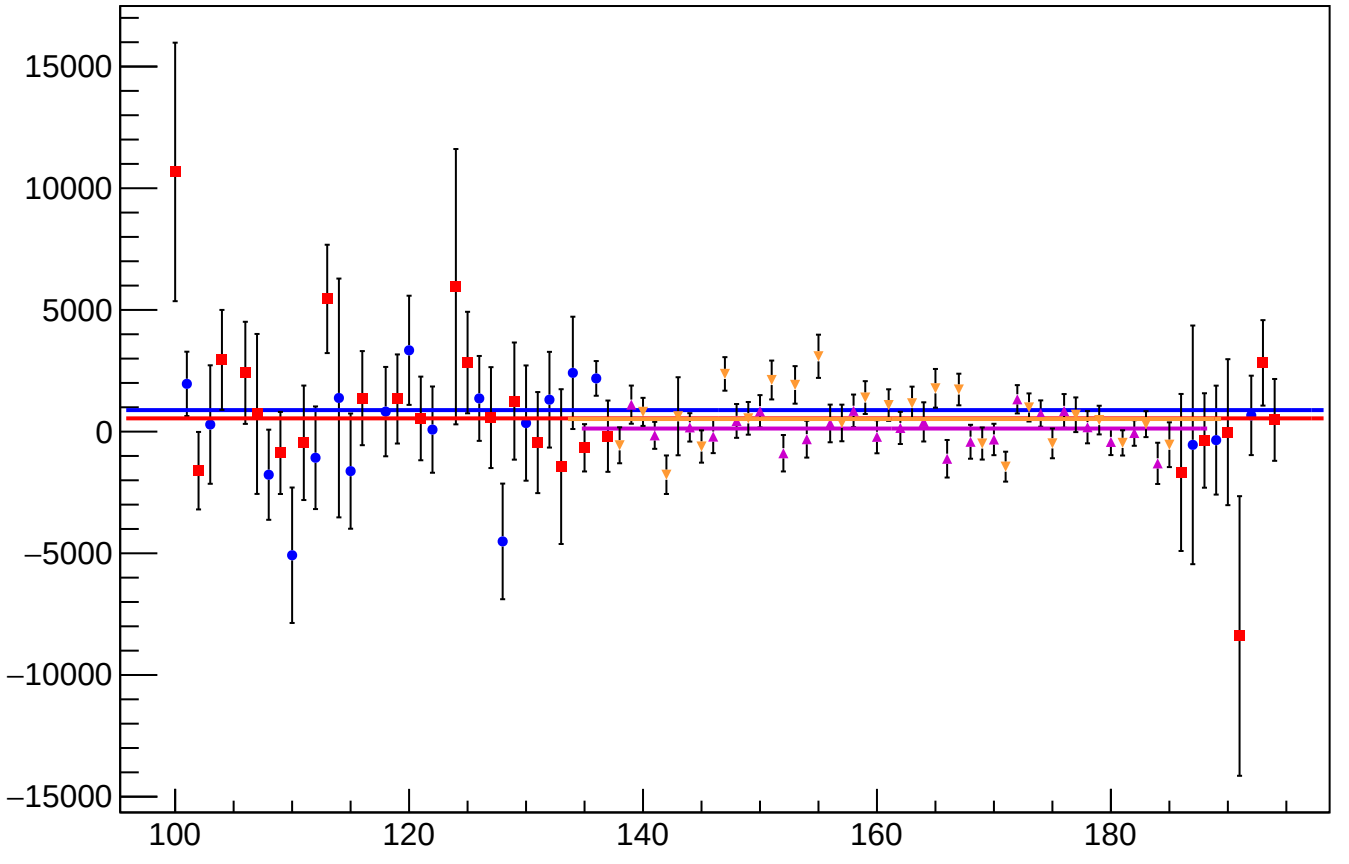
Right Out: 1287.082+/-0.281 χ^2/NDF: 474370.2/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729381.7/43

All: 1251.748+/-0.117 χ^2/NDF: 1266699.3/91

- sign 1252.173+/-0.165 χ^2/NDF: 537304.1/47



Right In: 883.994+/-403.698 χ^2/NDF: 20.3/18

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

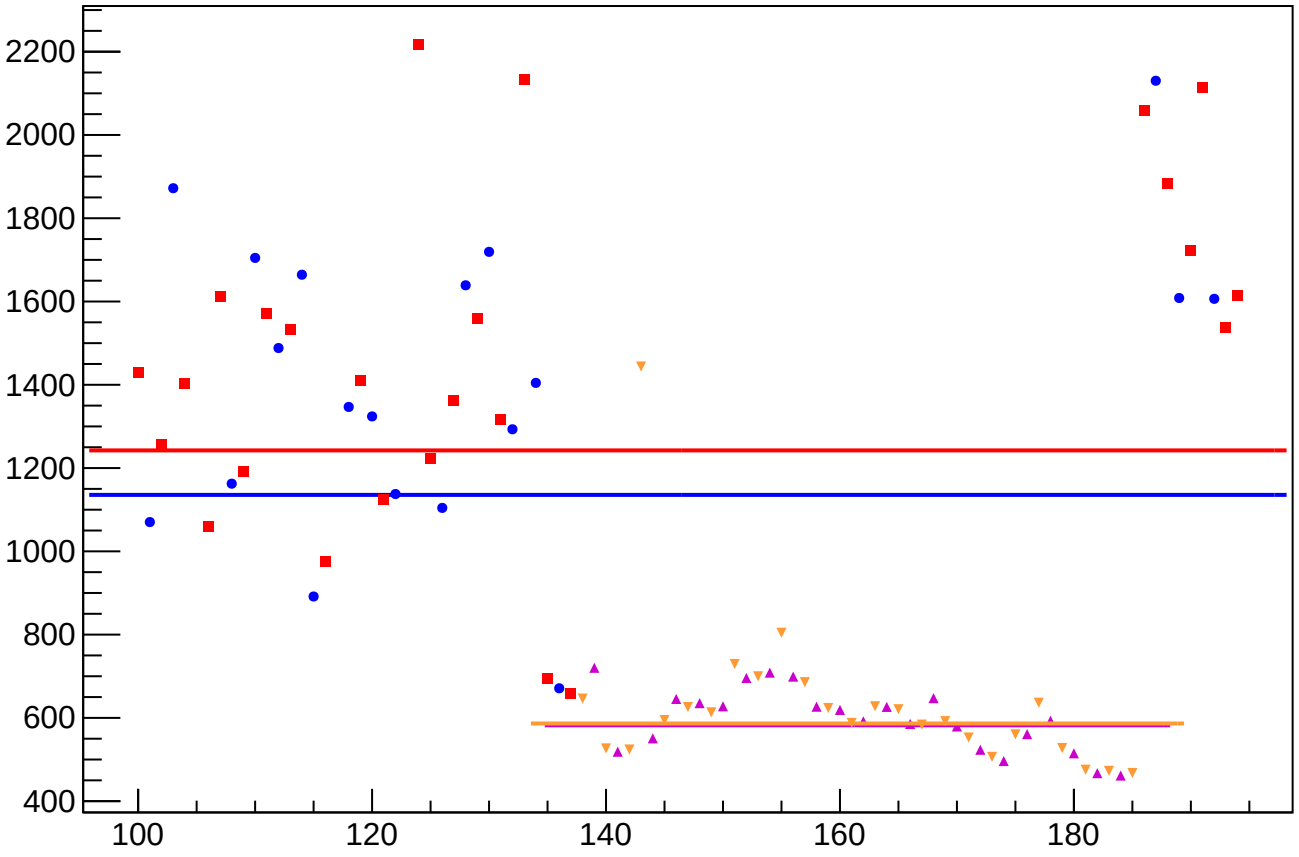
Right Out: 544.117+/-397.499 χ^2/NDF: 23.2/24

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 554.111+/-128.668 χ^2/NDF: 88.1/43

All: 364.176+/-91.361 χ^2/NDF: 138.2/91

- sign 171.038+/-129.748 χ^2/NDF: 45.8/47



Right In: 1135.578+/-0.285 χ^2/NDF: 1852278.2/18

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

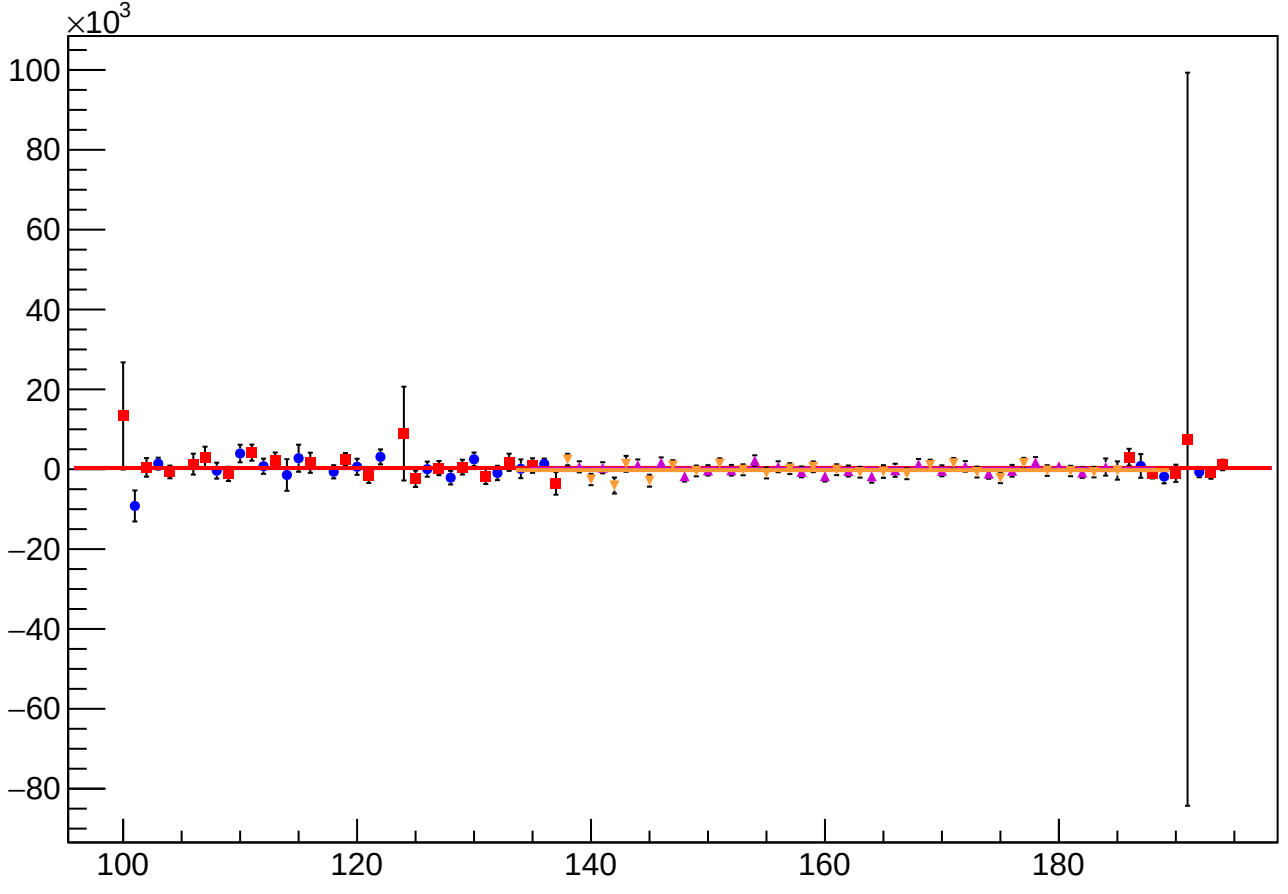
Right Out: 1242.411+/-0.281 χ^2/NDF: 2007164.6/24

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 642.333+/-0.091 χ^2/NDF: 6378364.6/43

All: 647.389+/-0.065 χ^2/NDF: 13880631.5/91

- sign 652.531+/-0.092 χ^2/NDF: 7496037.7/47



Right In: 291.450+/-432.155 χ^2/NDF: 19.6/18

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 322.039+/-396.764 χ^2/NDF: 20.9/24

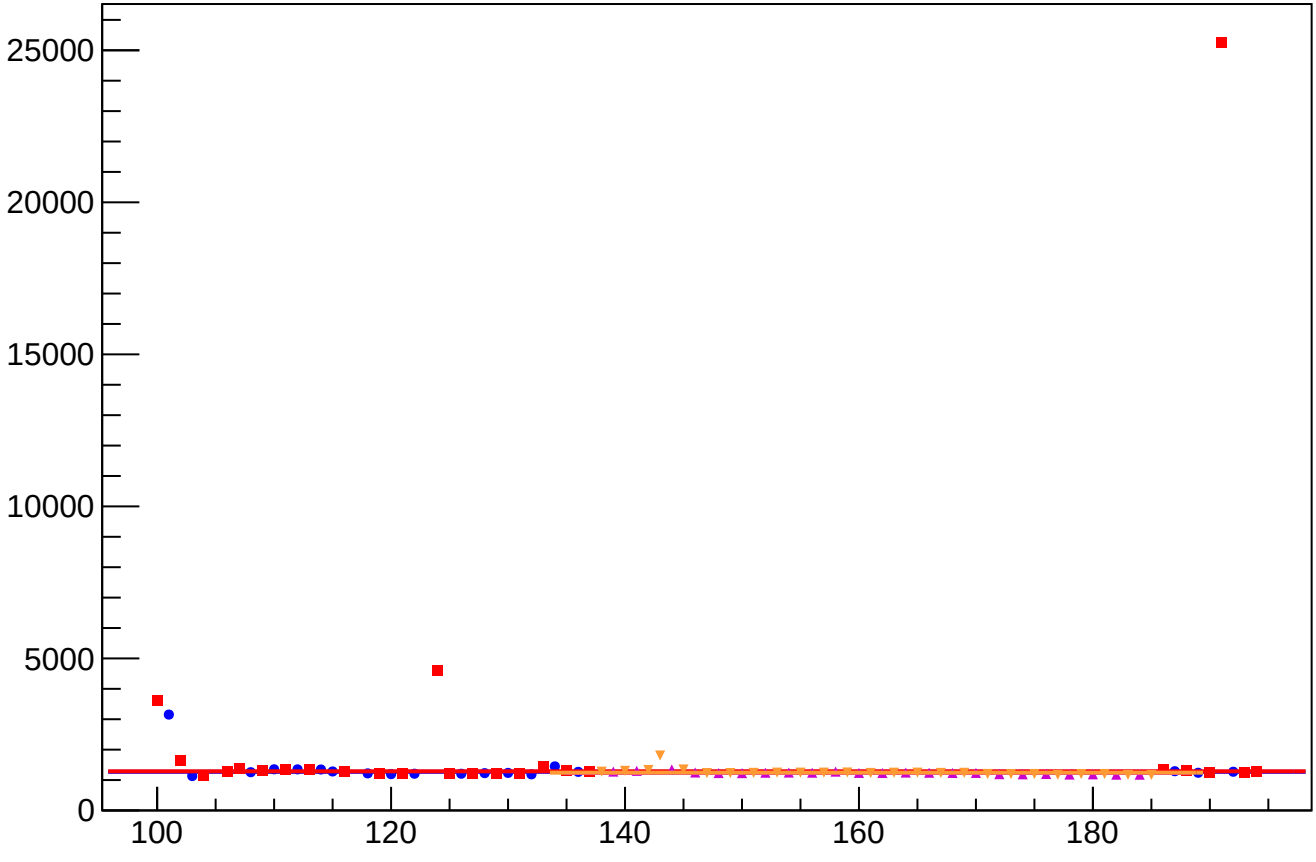
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -66.985+/-236.785 χ^2/NDF: 44.5/43

All: 54.219+/-166.145 χ^2/NDF: 80.8/91

- sign 171.768+/-233.186 χ^2/NDF: 35.8/47

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

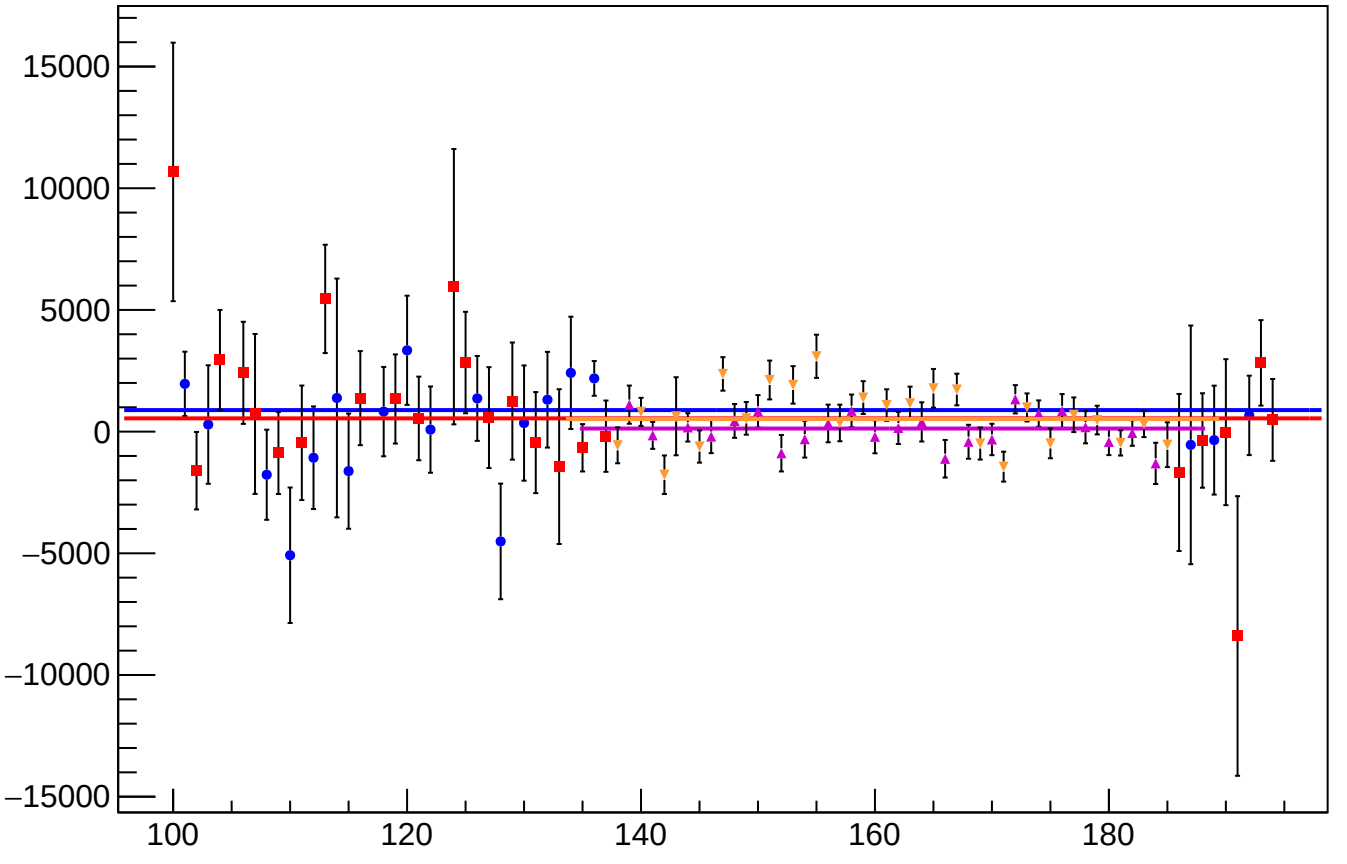
Right Out: 1287.082+/-0.281 χ^2/NDF: 474370.2/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729381.7/43

All: 1251.748+/-0.117 χ^2/NDF: 1266699.3/91

- sign 1252.173+/-0.165 χ^2/NDF: 537304.1/47



Right In: 883.994+/-403.698 χ^2/NDF: 20.3/18

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

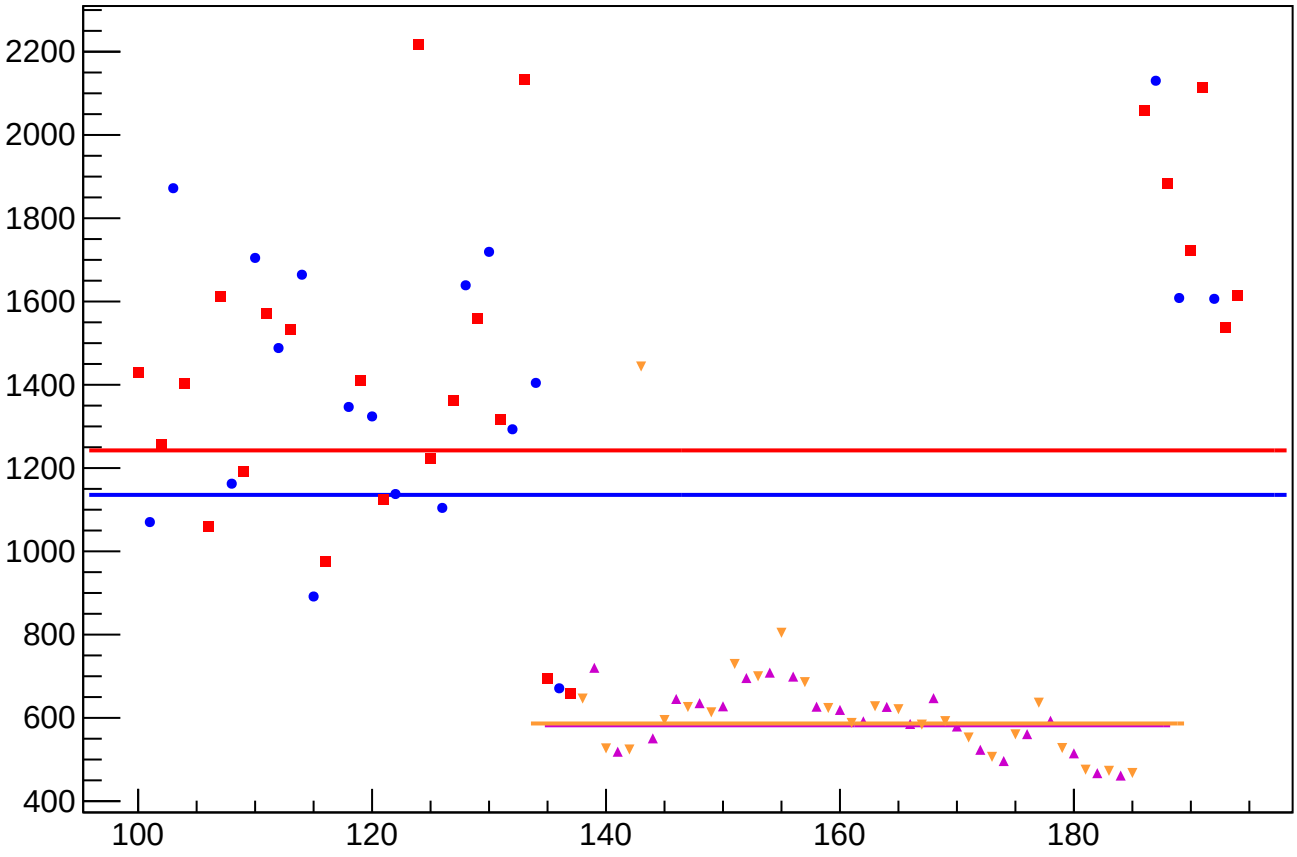
Right Out: 544.117+/-397.499 χ^2/NDF: 23.2/24

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 554.111+/-128.668 χ^2/NDF: 88.1/43

All: 364.176+/-91.361 χ^2/NDF: 138.2/91

- sign 171.038+/-129.748 χ^2/NDF: 45.8/47



Right In: 1135.578+/-0.285 χ^2/NDF: 1852278.2/18

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1242.411+/-0.281 χ^2/NDF: 2007164.6/24

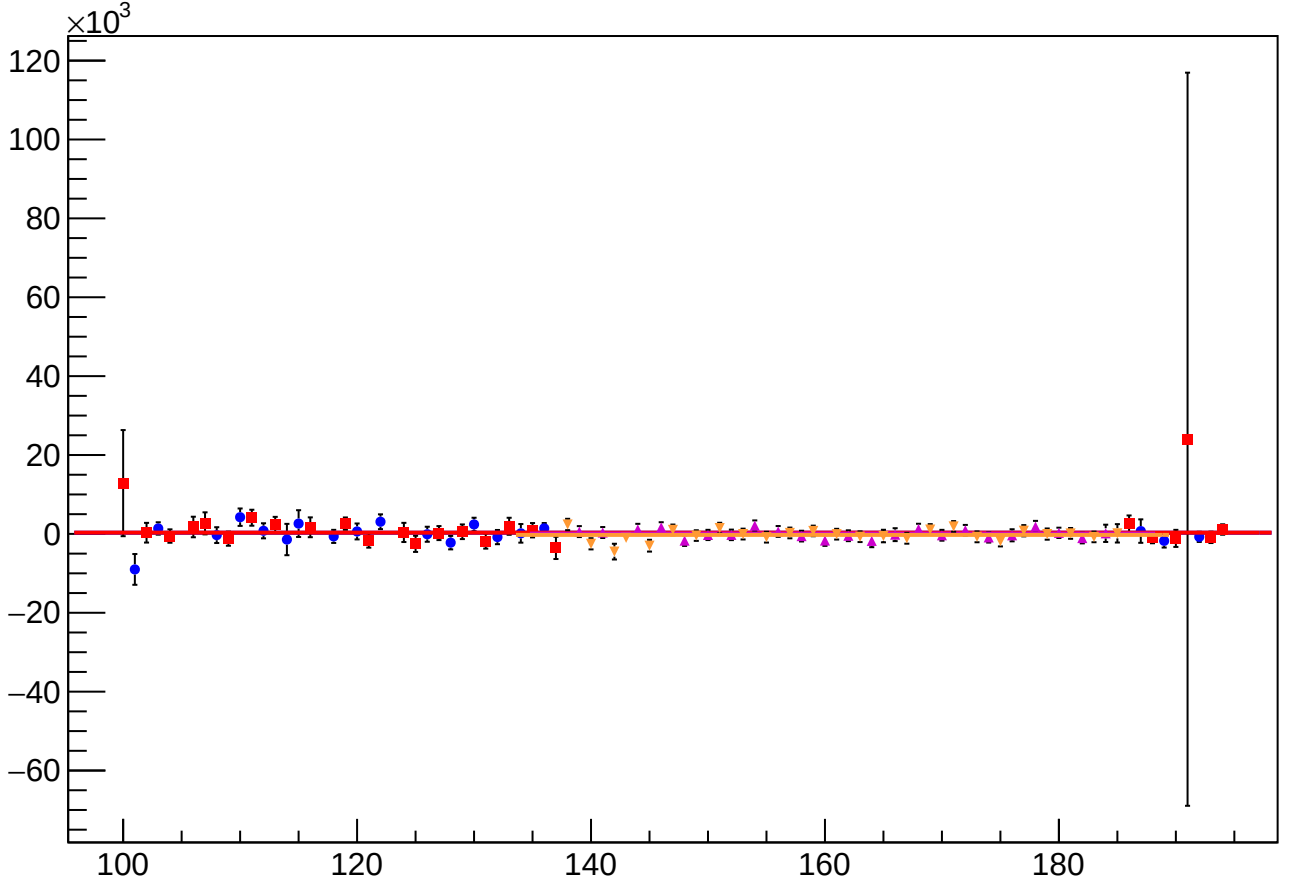
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 642.333+/-0.091 χ^2/NDF: 6378364.6/43

All: 647.389+/-0.065 χ^2/NDF: 13880631.5/91

- sign 652.531+/-0.092 χ^2/NDF: 7496037.7/47

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: 316.862+/-394.407 χ^2/NDF: 20.4/24

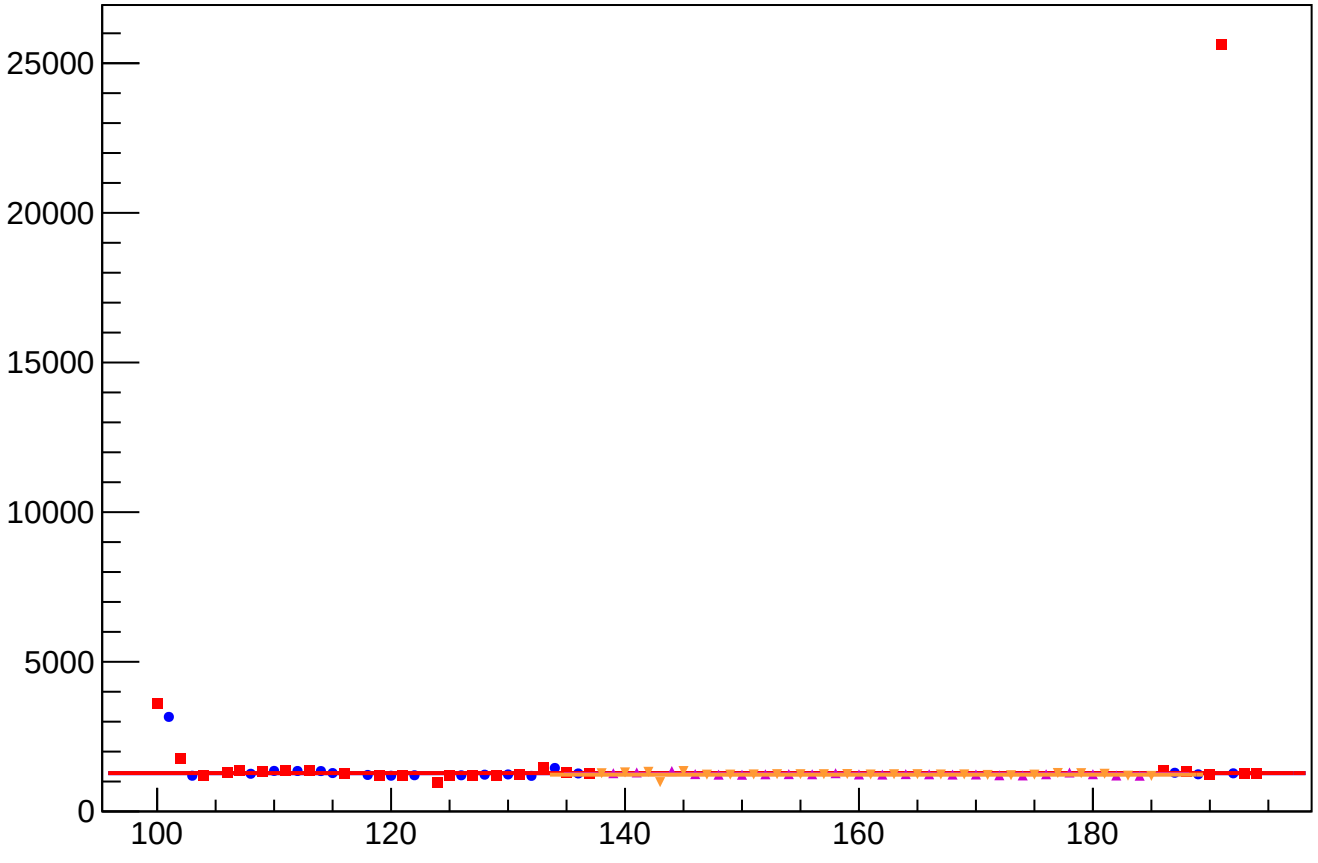
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -92.471+/-235.305 χ^2/NDF: 44.7/43

All: 34.427+/-166.065 χ^2/NDF: 80.0/91

- sign 160.350+/-234.401 χ^2/NDF: 34.7/47

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

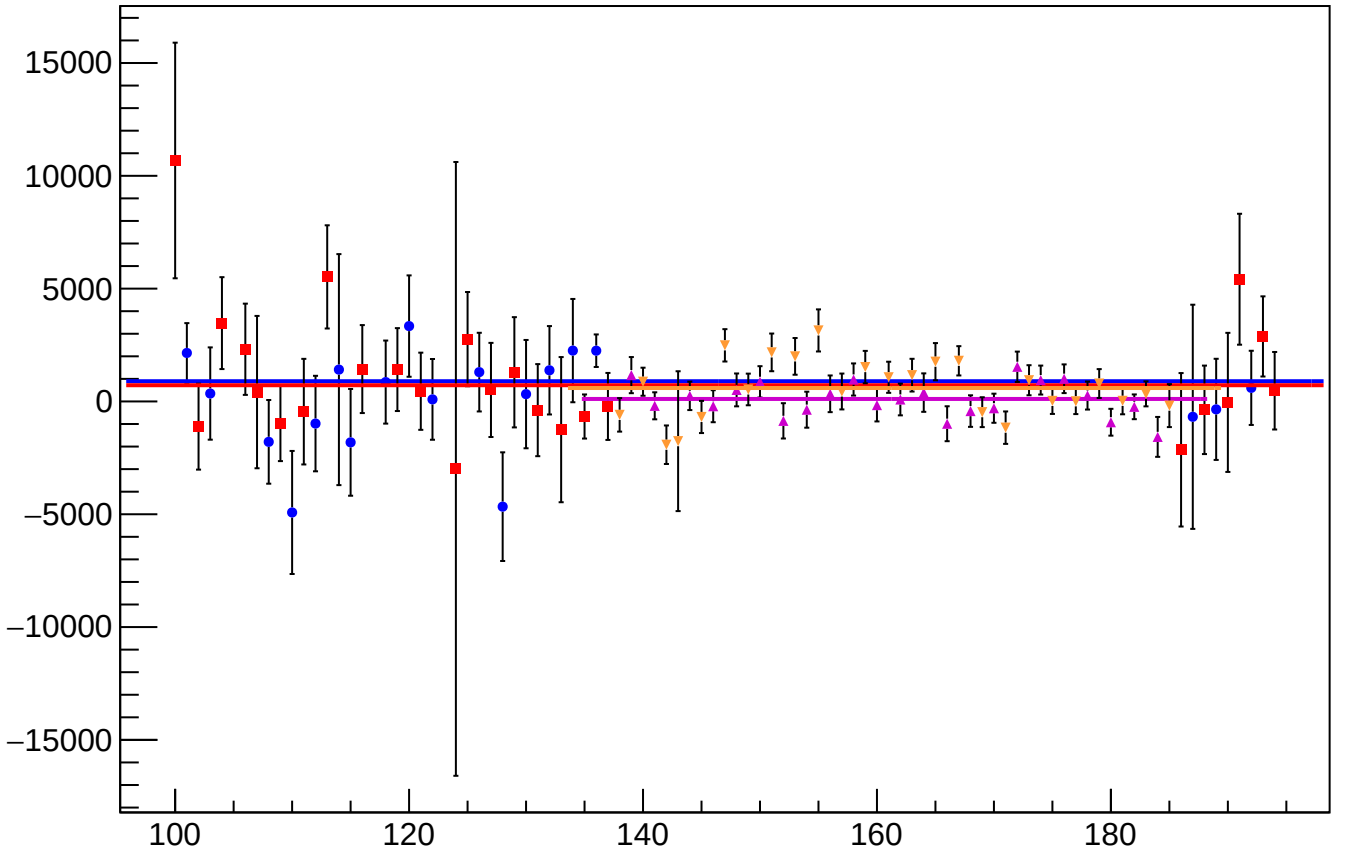
Right Out: 1282.342+/-0.279 χ^2/NDF: 368347.1/24

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1244.124+/-0.166 χ^2/NDF: 667170.7/43

All: 1252.088+/-0.117 χ^2/NDF: 1077353.7/91

- sign 1259.991+/-0.166 χ^2/NDF: 405618.7/47



Right In: 896.164+/-403.558 χ^2/NDF: 20.9/18

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 718.604+/-401.132 χ^2/NDF: 22.4/24

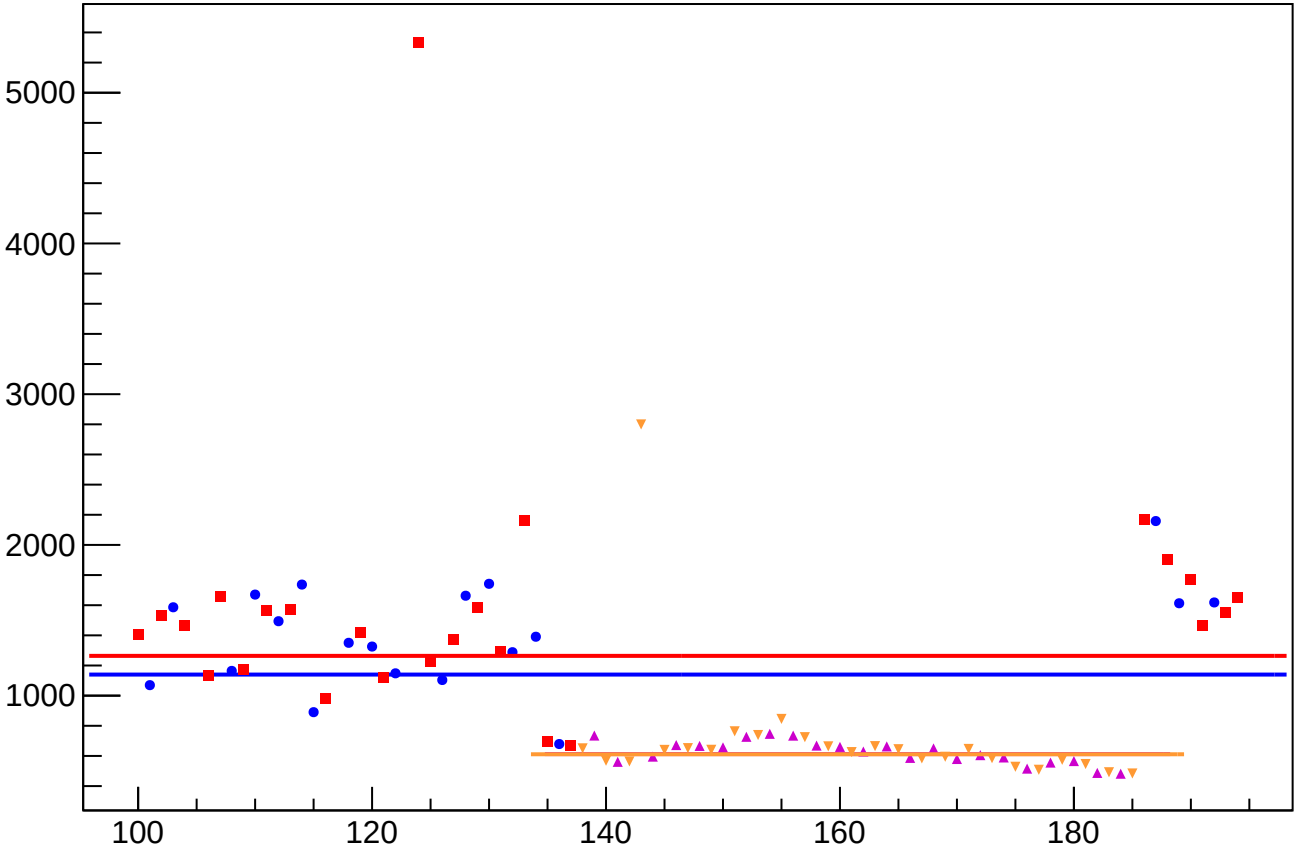
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 628.234+/-134.059 χ^2/NDF: 78.7/43

All: 406.835+/-95.378 χ^2/NDF: 134.4/91

- sign 179.899+/-135.725 χ^2/NDF: 50.1/47

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

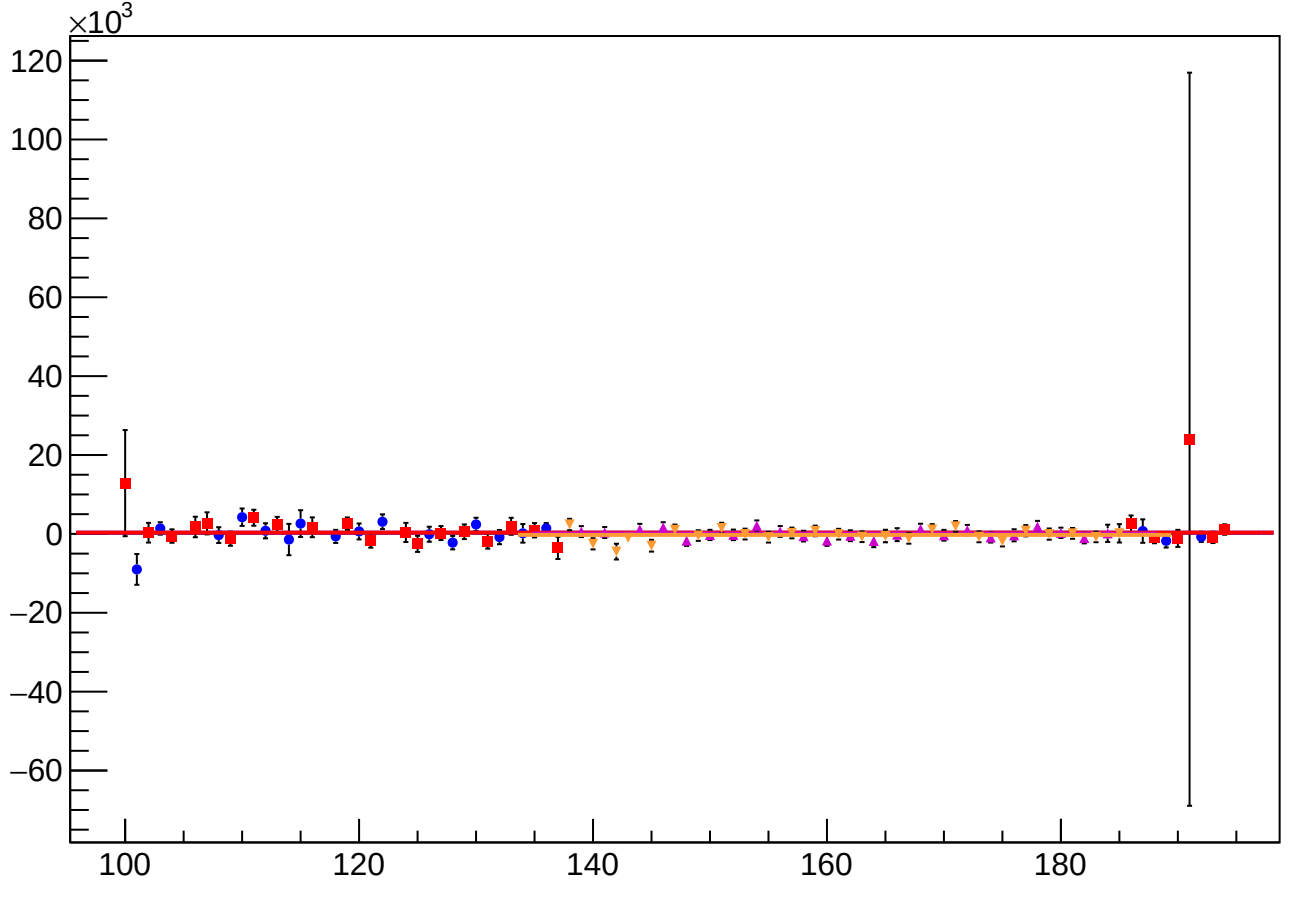
Right Out: 1263.918+/-0.284 χ^2/NDF: 2179203.0/24

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 669.435+/-0.095 χ^2/NDF: 6411881.9/43

All: 678.103+/-0.067 χ^2/NDF: 13788643.9/91

- sign 686.988+/-0.096 χ^2/NDF: 7359831.0/47



Right In: 288.996+/-434.428 χ^2/NDF: 19.6/18

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 316.861+/-394.407 χ^2/NDF: 20.4/24

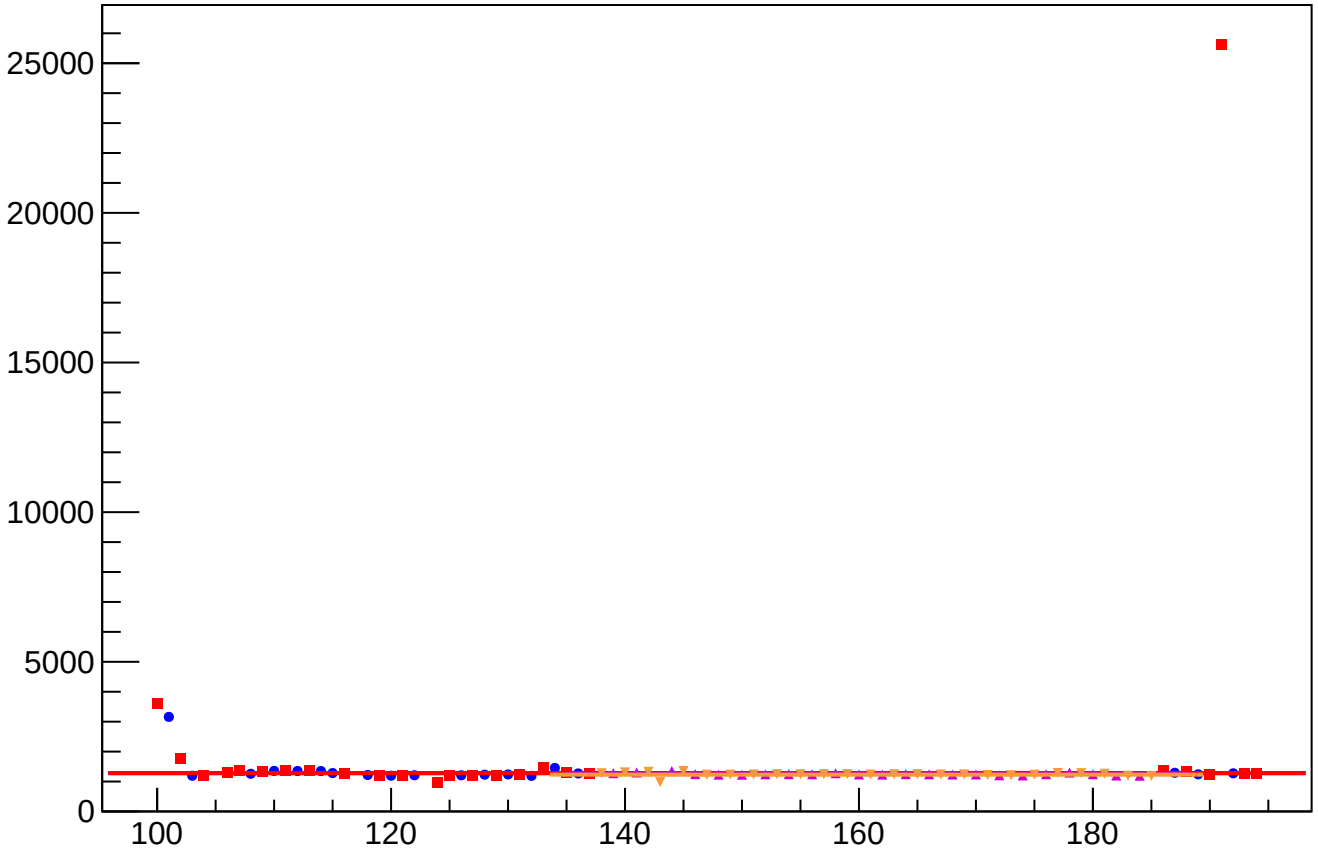
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -92.471+/-235.305 χ^2/NDF: 44.7/43

All: 34.426+/-166.065 χ^2/NDF: 80.0/91

- sign 160.350+/-234.401 χ^2/NDF: 34.7/47

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

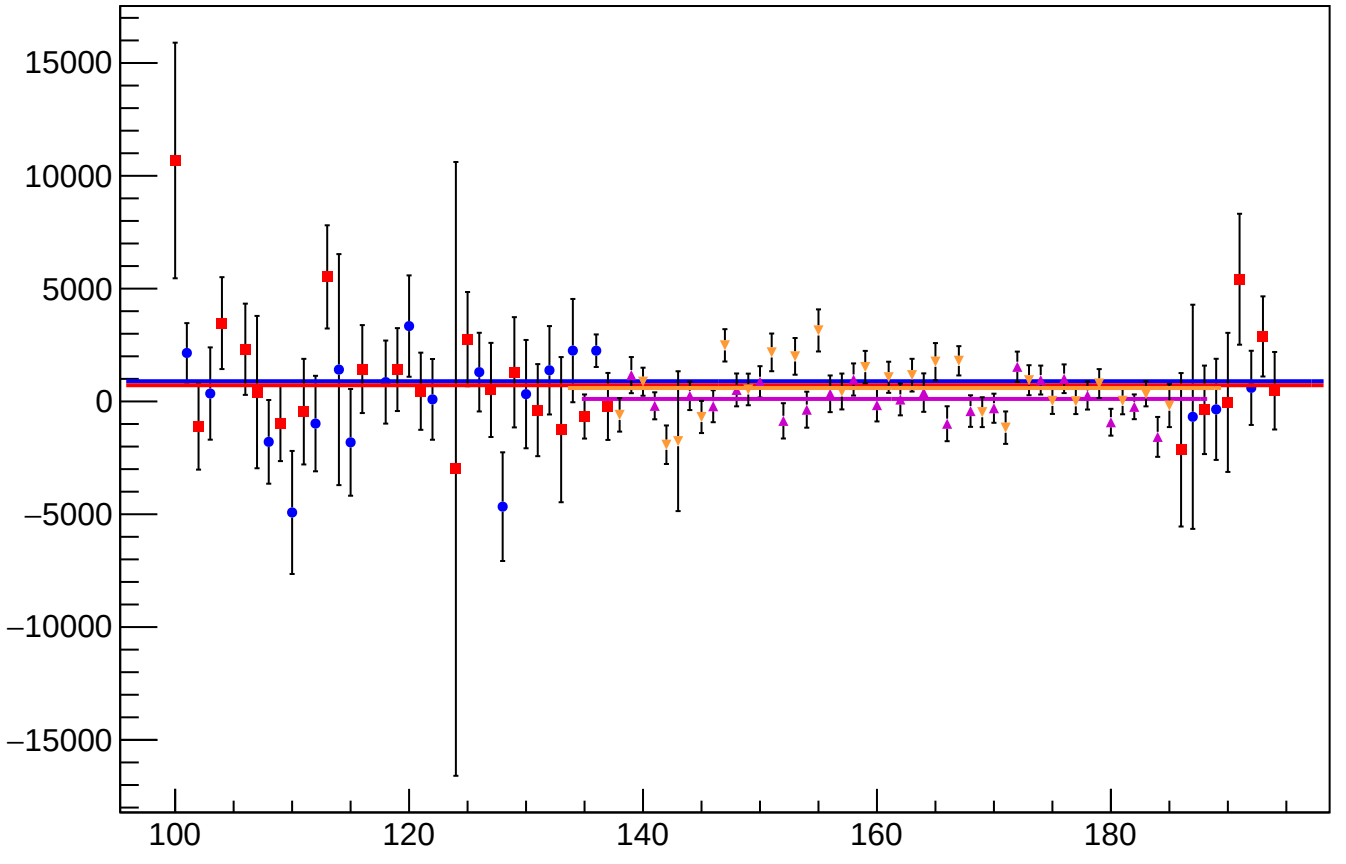
Right Out: 1282.342+/-0.279 χ^2/NDF: 368347.1/24

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1244.124+/-0.166 χ^2/NDF: 667169.8/43

All: 1252.088+/-0.117 χ^2/NDF: 1077352.7/91

- sign 1259.991+/-0.166 χ^2/NDF: 405618.6/47



Right In: 896.158+/-403.560 χ^2/NDF: 20.9/18

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

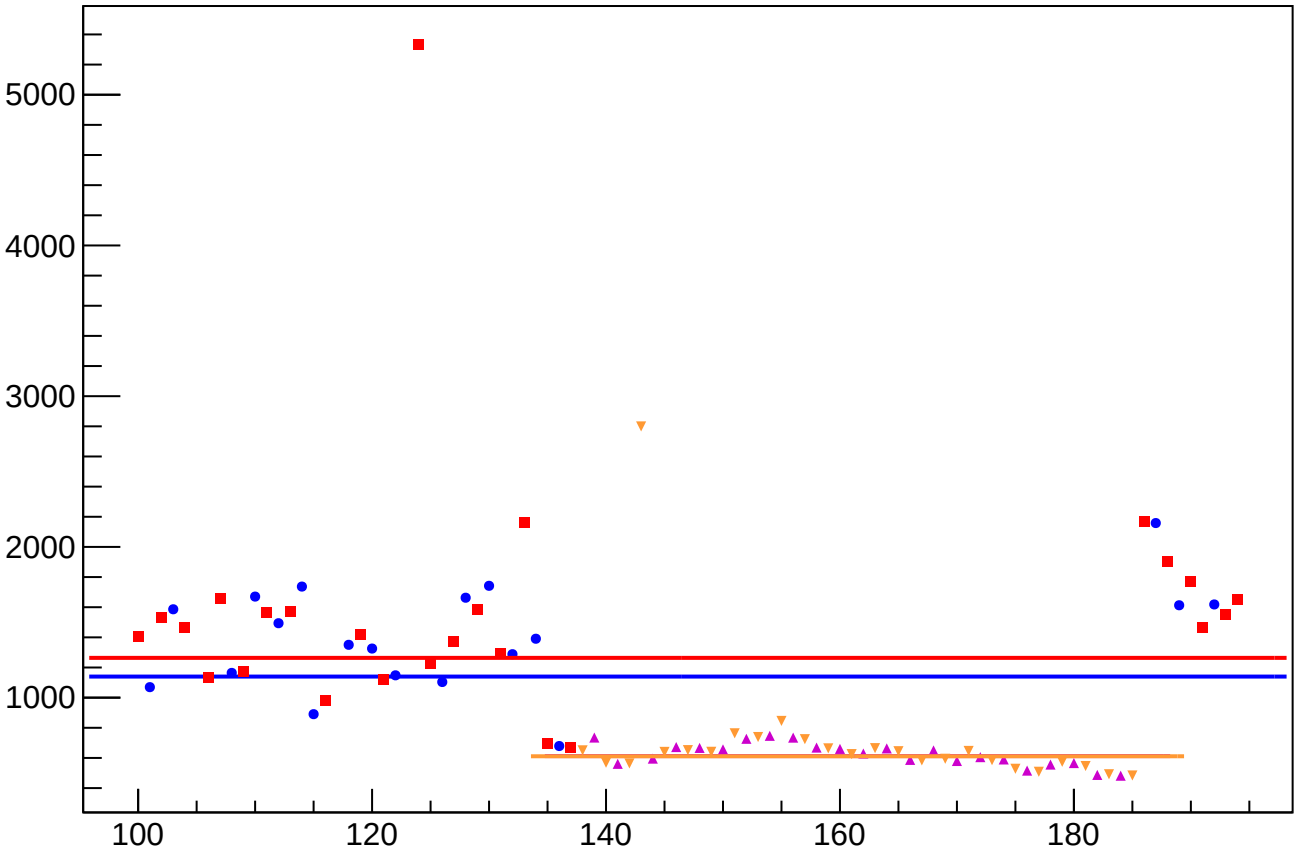
Right Out: 718.614+/-401.133 χ^2/NDF: 22.4/24

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 628.233+/-134.059 χ^2/NDF: 78.7/43

All: 406.835+/-95.378 χ^2/NDF: 134.4/91

- sign 179.899+/-135.725 χ^2/NDF: 50.1/47



Right In: 1139.844+/-0.285 χ^2/NDF: 1738002.8/18

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1263.924+/-0.284 χ^2/NDF: 2179131.5/24

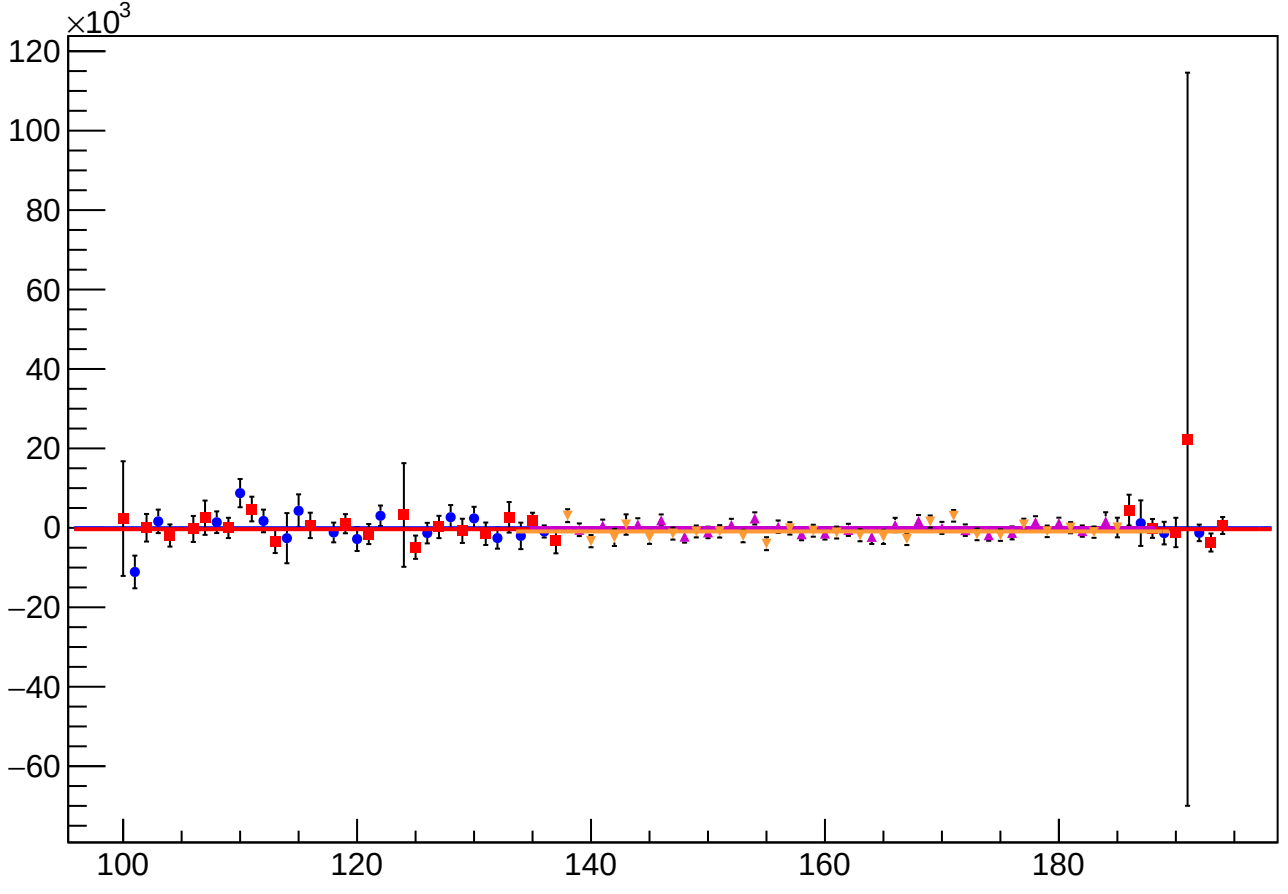
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 669.435+/-0.095 χ^2/NDF: 6411865.5/43

All: 678.103+/-0.067 χ^2/NDF: 13788631.8/91

- sign 686.987+/-0.096 χ^2/NDF: 7359836.3/47

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: -335.810+/-600.826 χ^2/NDF: 14.4/24

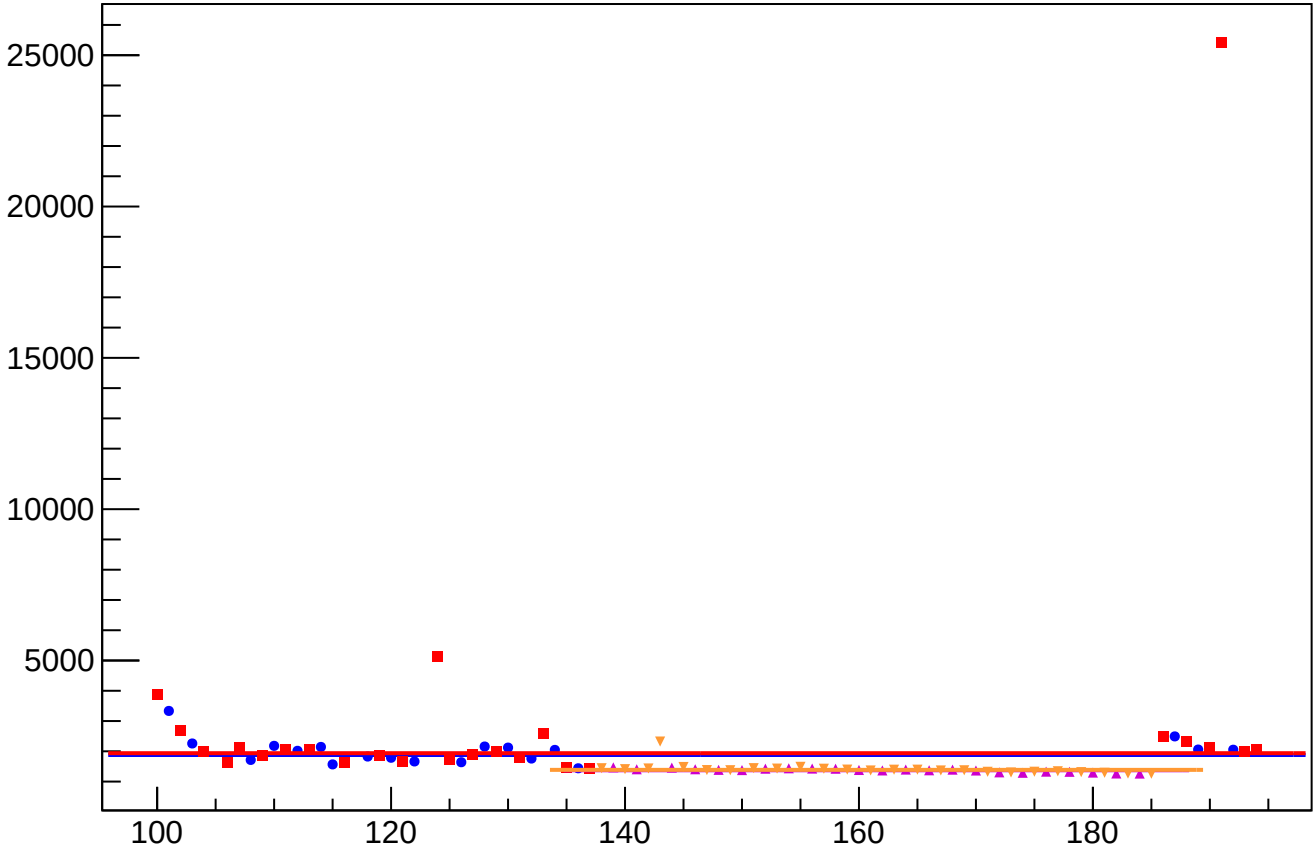
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -740.828+/-283.783 χ^2/NDF: 53.0/43

All: -425.644+/-200.415 χ^2/NDF: 87.9/91

- sign -112.026+/-283.077 χ^2/NDF: 32.4/47

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

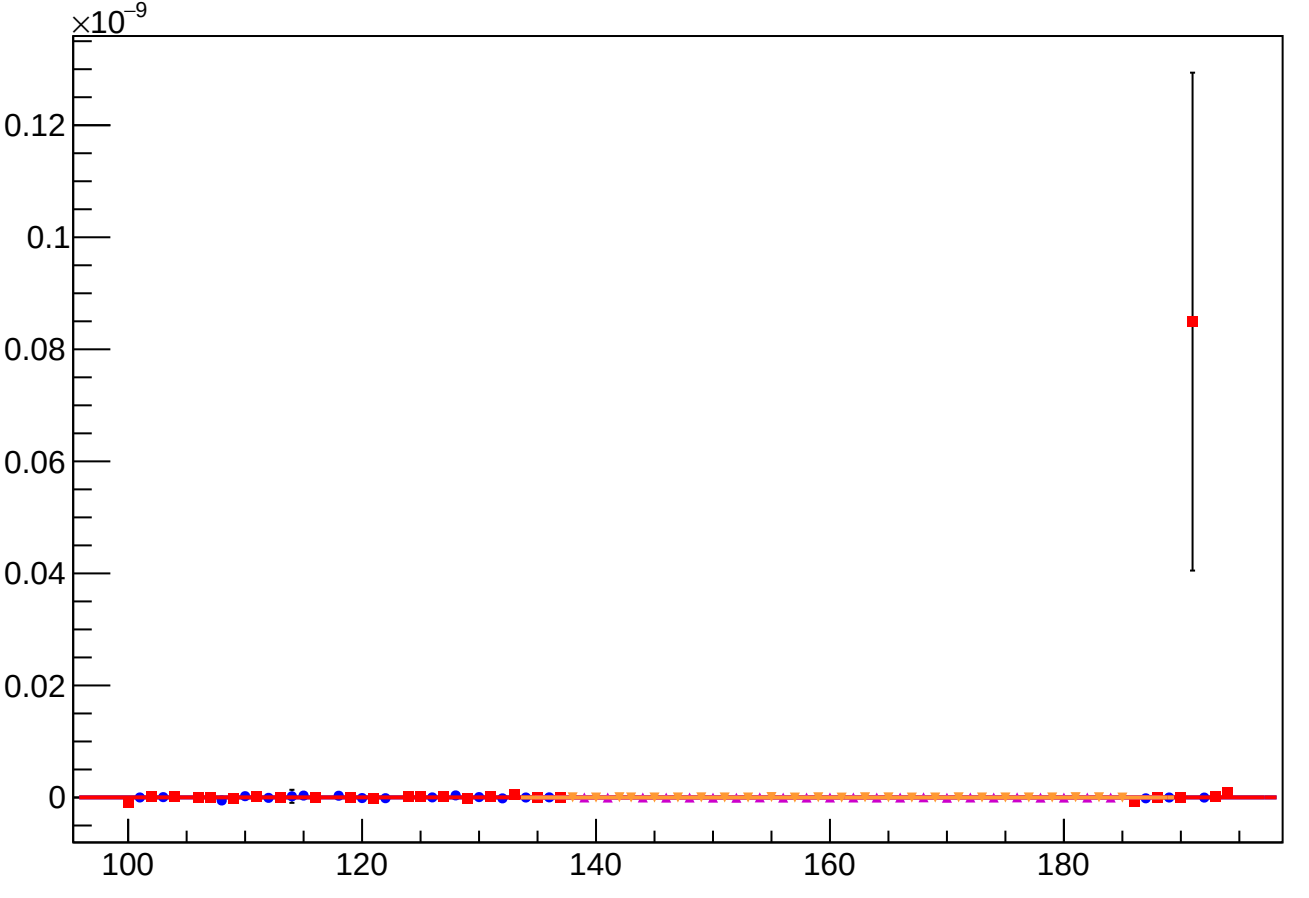
Right Out: 1937.680+/-0.425 χ^2/NDF: 783082.2/24

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1483.135+/-0.201 χ^2/NDF: 1893441.2/43

All: 1490.845+/-0.142 χ^2/NDF: 4117348.6/91

- sign 1498.517+/-0.200 χ^2/NDF: 2220962.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

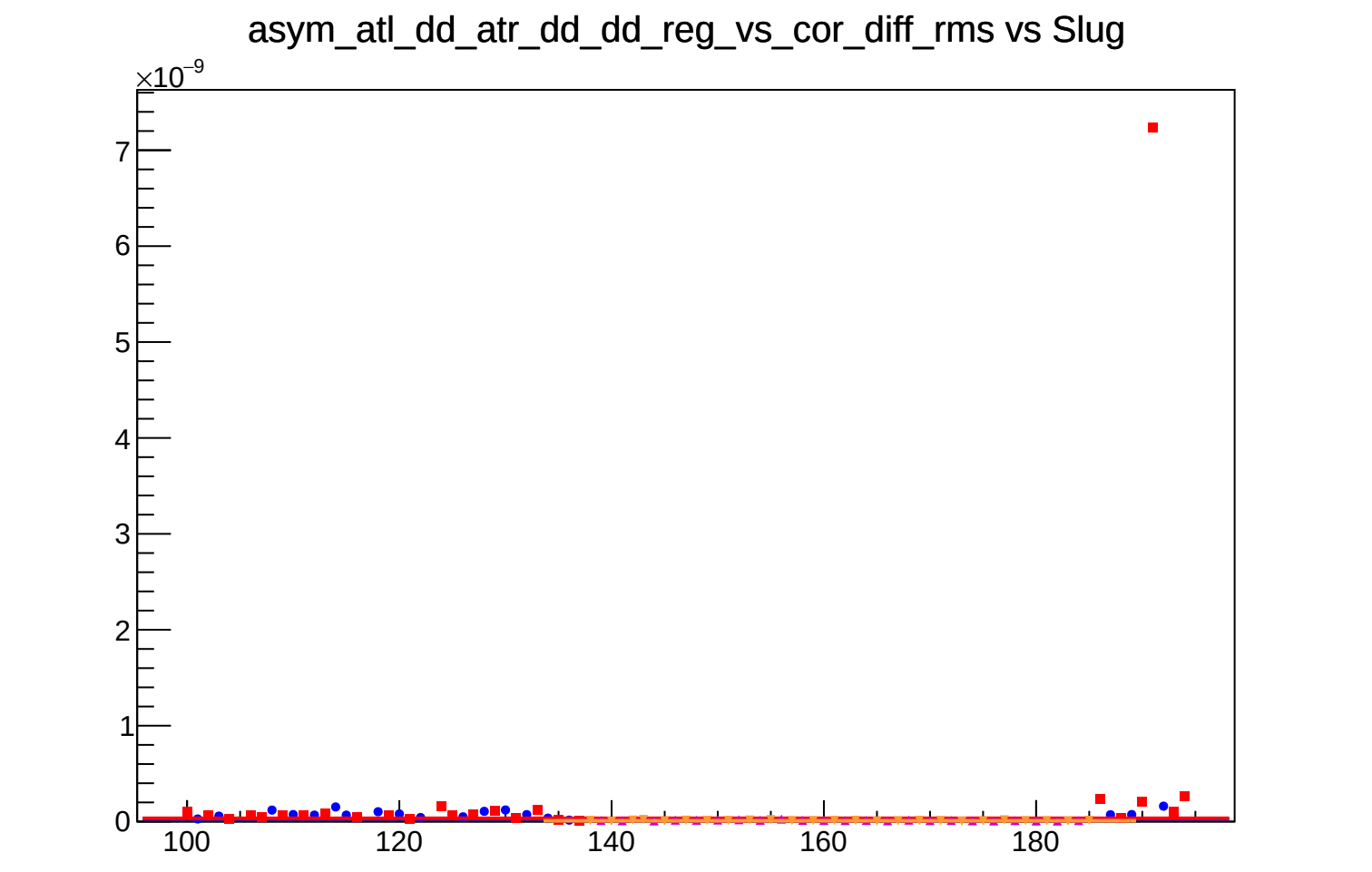
Right Out: 0.000+/-0.000 χ^2/NDF: 39.7/24

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/43

All: 0.000+/-0.000 χ^2/NDF: 97.4/91

- sign -0.000+/-0.000 χ^2/NDF: 54.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 3386043.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

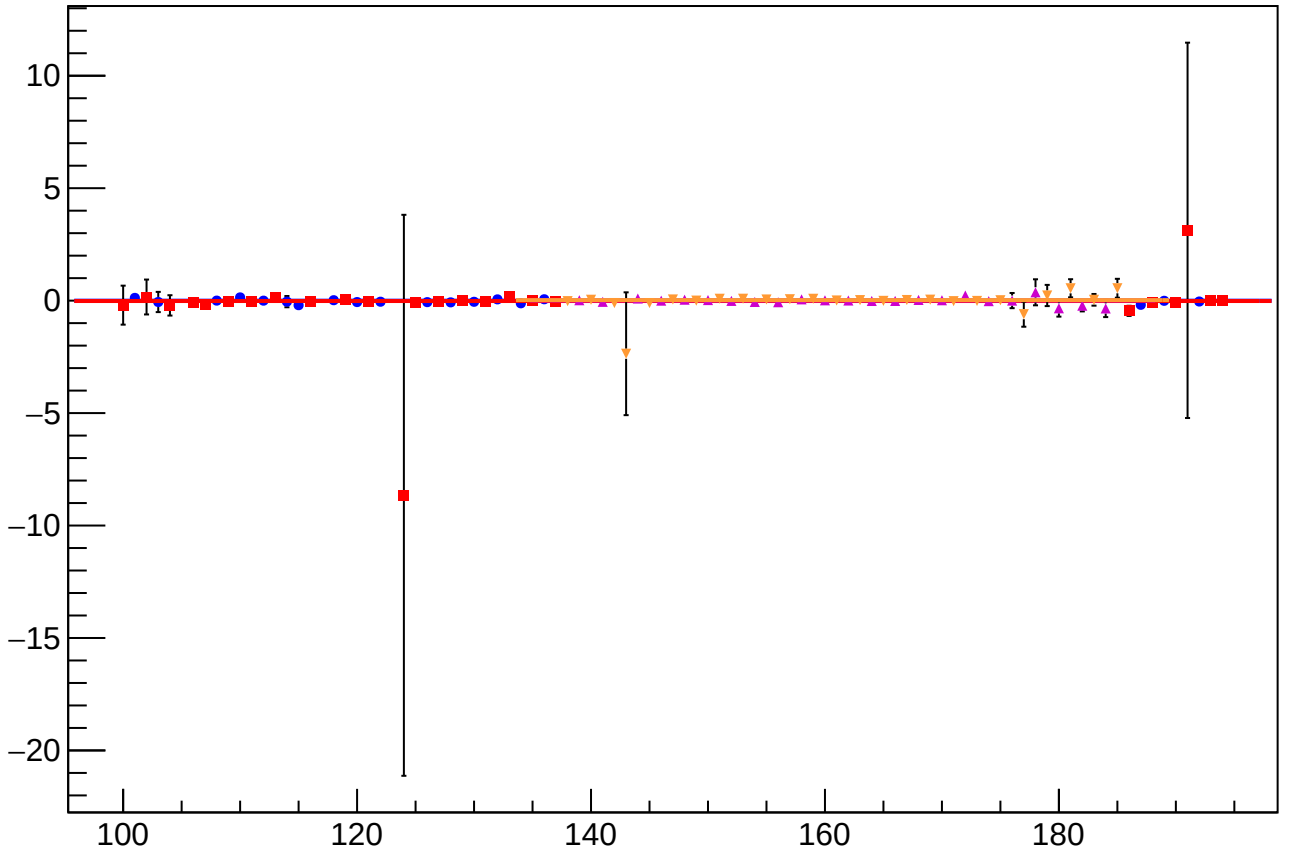
Right Out: 0.000+/-0.000 χ^2/NDF: 3953352.2/24

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: 15589924.4/91

- sign 0.000+/-0.000 χ^2/NDF: 7608358.4/47



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.014 χ^2/NDF: 20.3/24

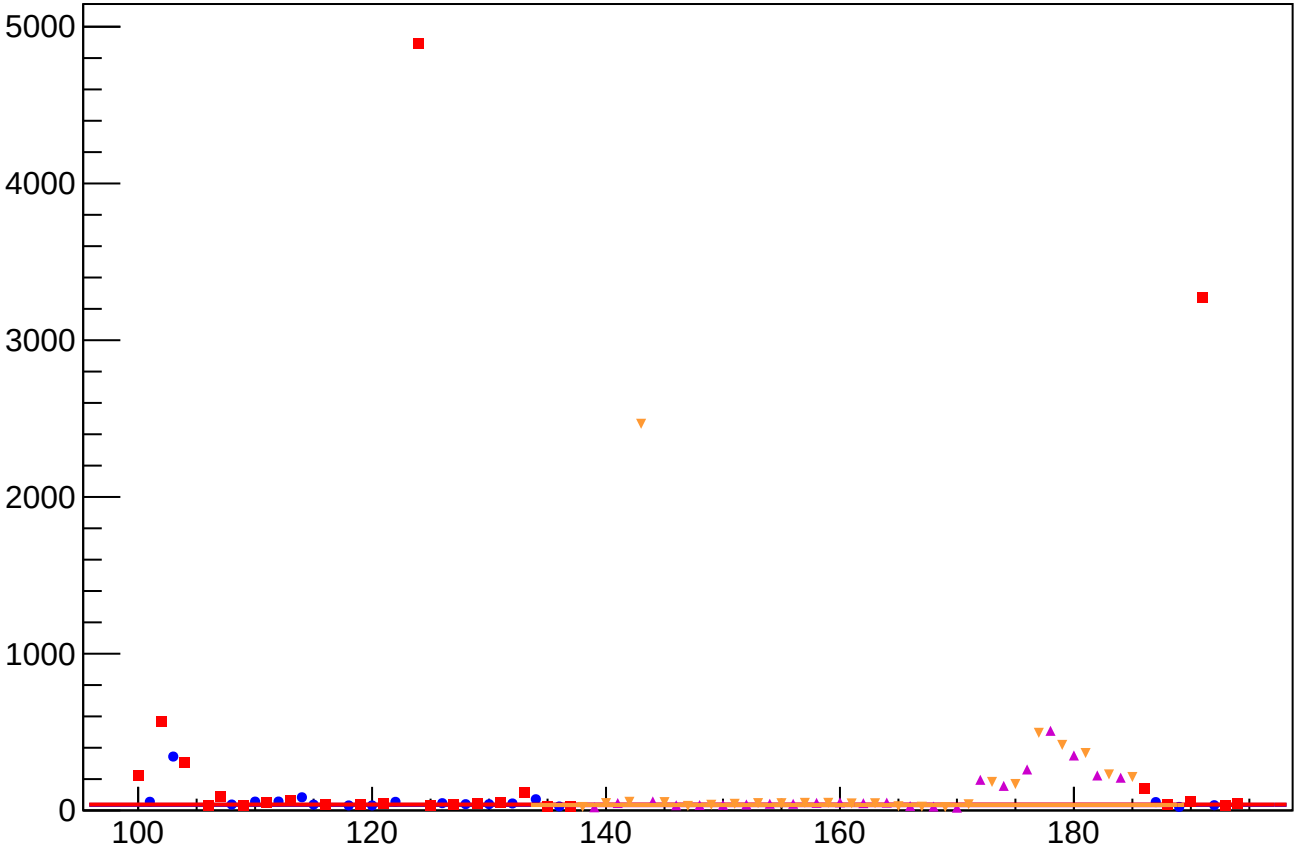
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.9/91

- sign 0.000+/-0.008 χ^2/NDF: 37.7/47

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

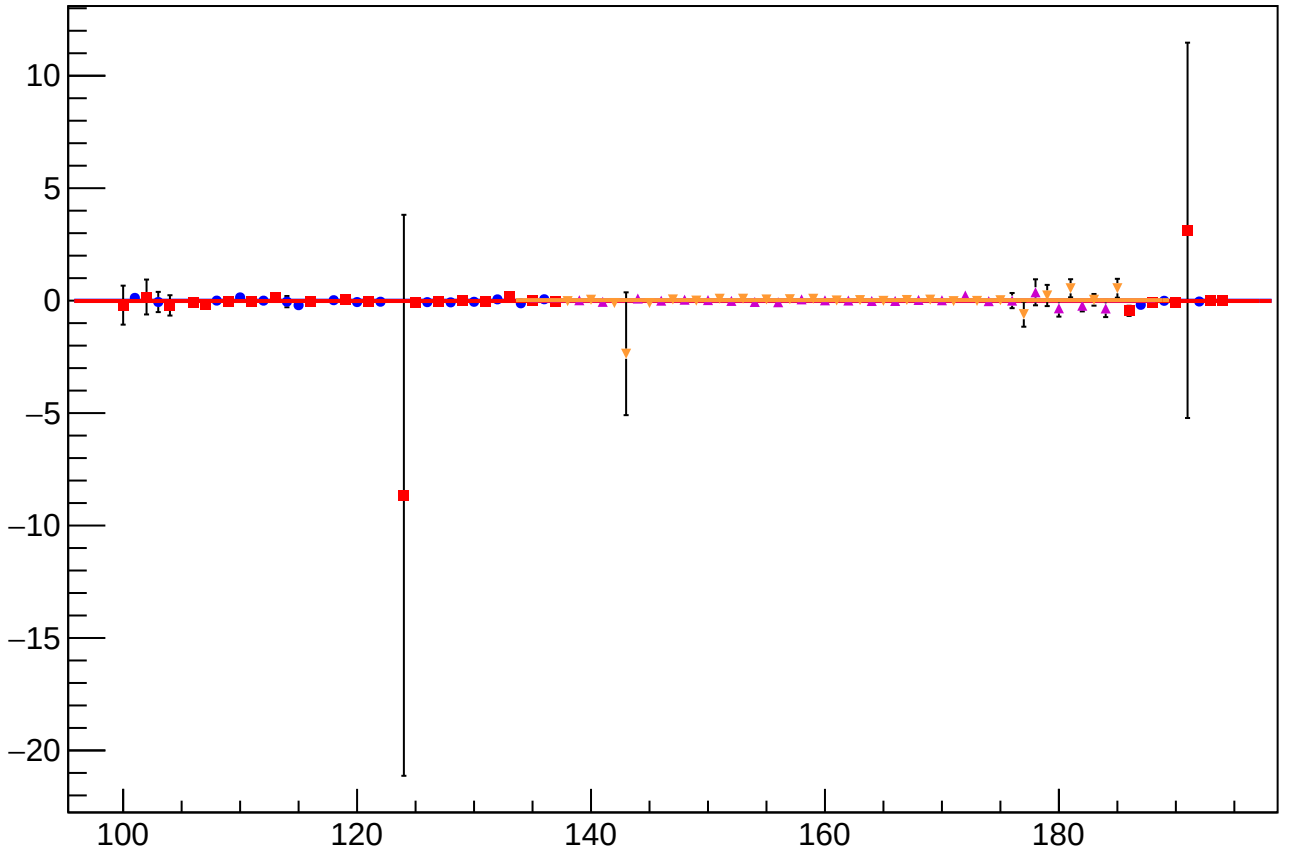
Right Out: 37.832+/-0.010 χ^2/NDF: 4096219.1/24

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.919+/-0.006 χ^2/NDF: 13666431.7/43

All: 34.987+/-0.004 χ^2/NDF: 27955646.3/91

\- sign 35.052+/-0.006 χ^2/NDF: 14288948.0/47



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.014 χ^2/NDF: 20.3/24

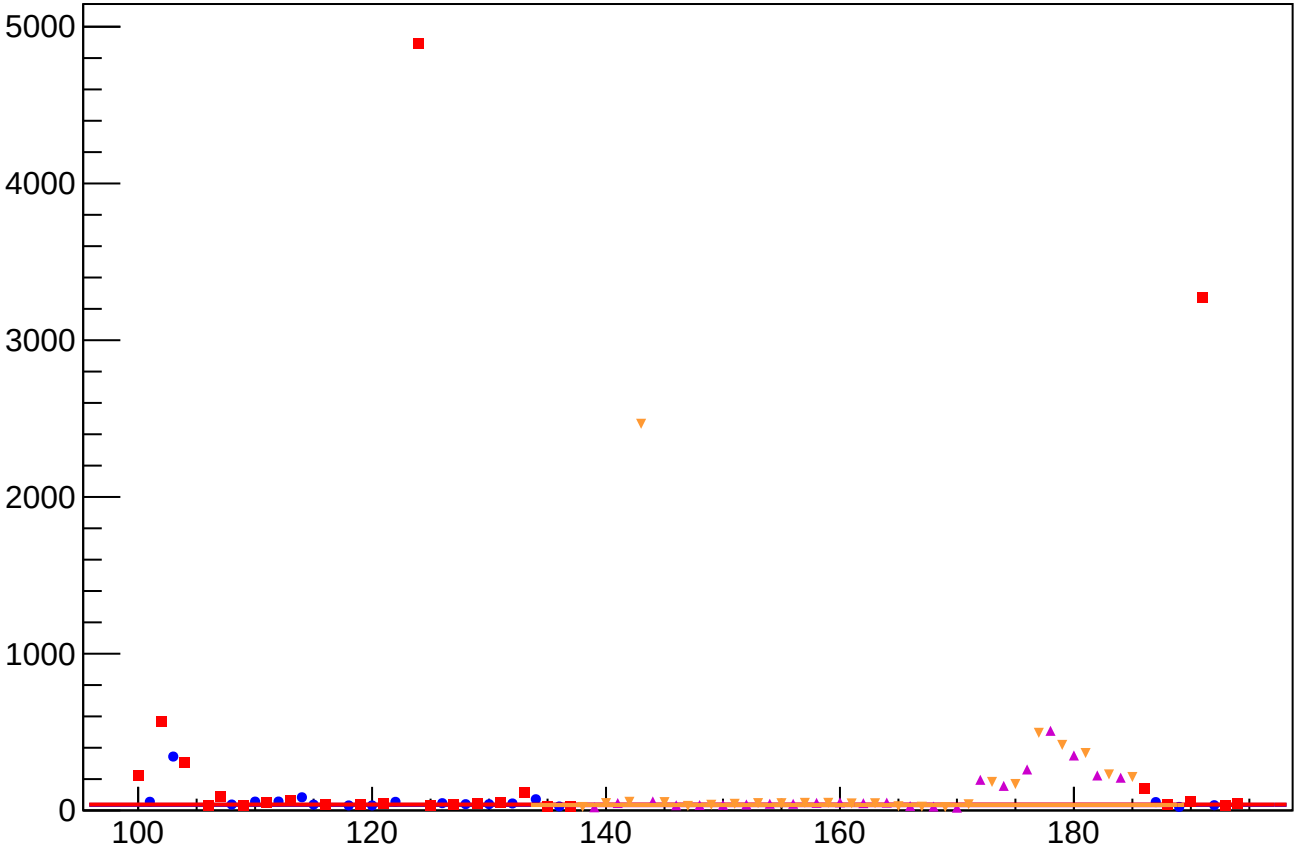
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.9/91

- sign 0.000+/-0.008 χ^2/NDF: 37.7/47

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.463+/-0.010 χ^2/NDF: 2259217.2/18

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

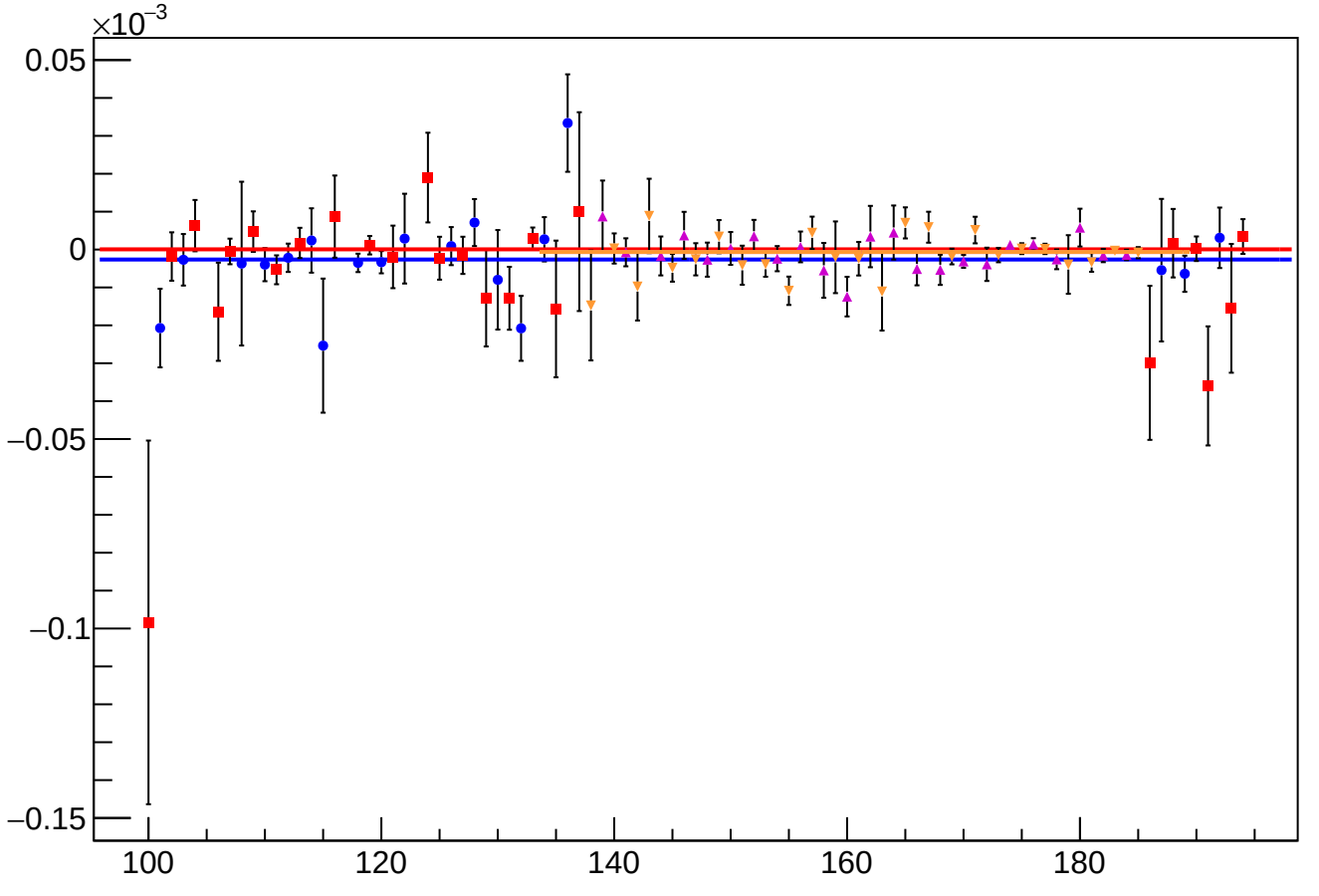
Right Out: 37.832+/-0.010 χ^2/NDF: 4096219.1/24

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.919+/-0.006 χ^2/NDF: 13666431.7/43

All: 34.987+/-0.004 χ^2/NDF: 27955646.3/91

\- sign 35.052+/-0.006 χ^2/NDF: 14288948.0/47



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

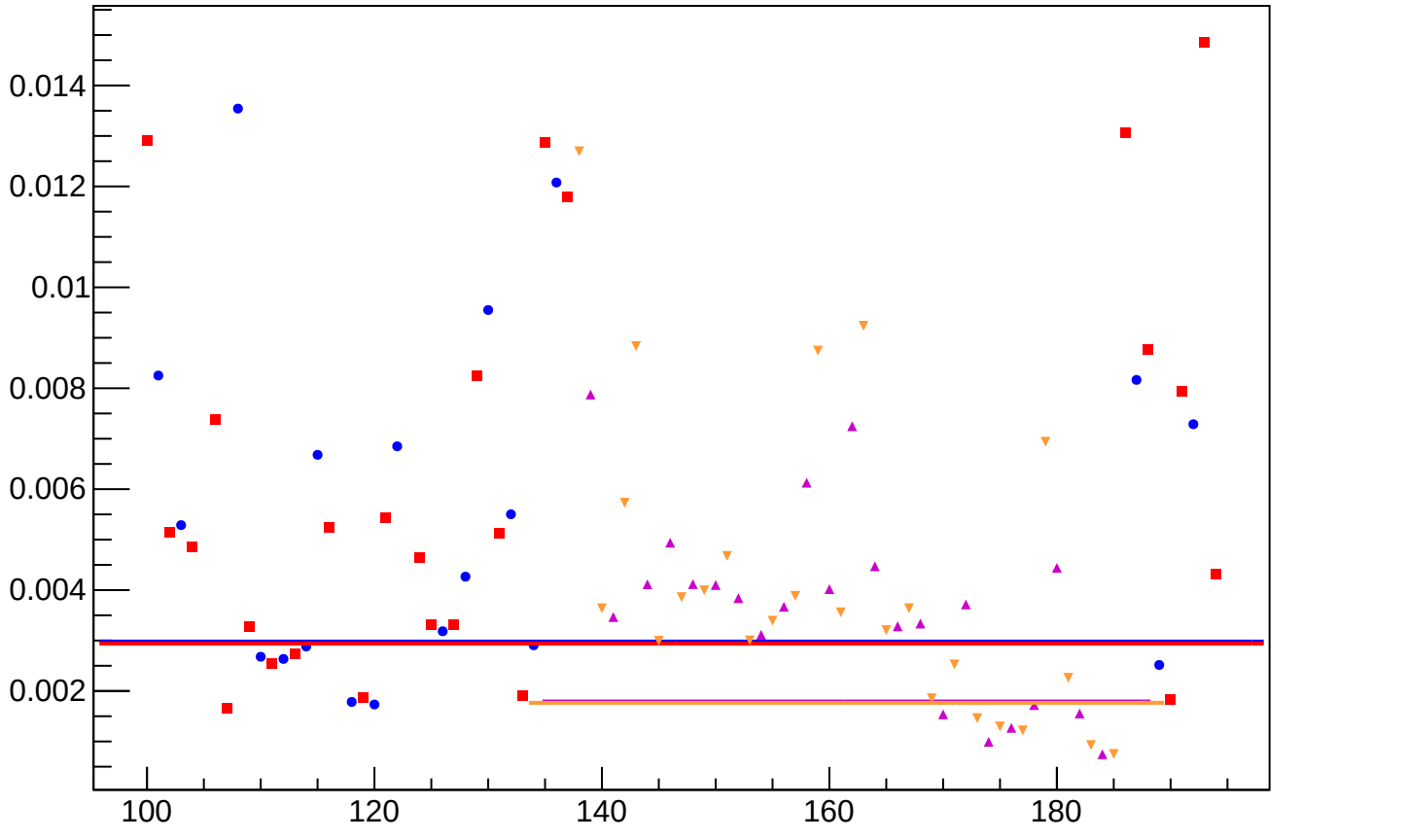
Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/24

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.6/43

All: -0.000+/-0.000 χ^2/NDF: 104.0/91

- sign -0.000+/-0.000 χ^2/NDF: 50.0/47



Right In: 0.003+/-0.000 χ^2/NDF: 4918690.9/18

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

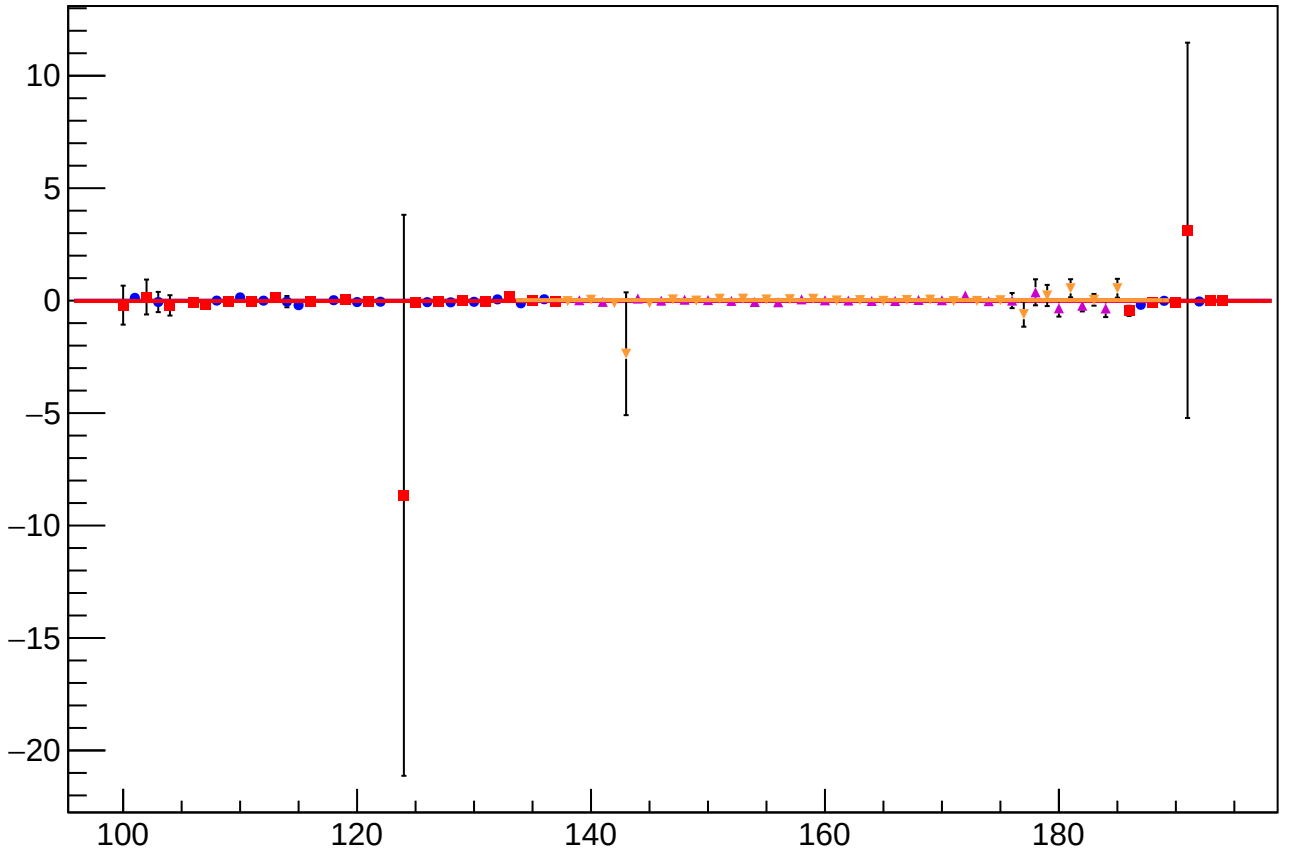
Right Out: 0.003+/-0.000 χ^2/NDF: 6280650.5/24

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 19479825.5/43

All: 0.002+/-0.000 χ^2/NDF: 38417285.5/91

- sign 0.002+/-0.000 χ^2/NDF: 18902076.1/47



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

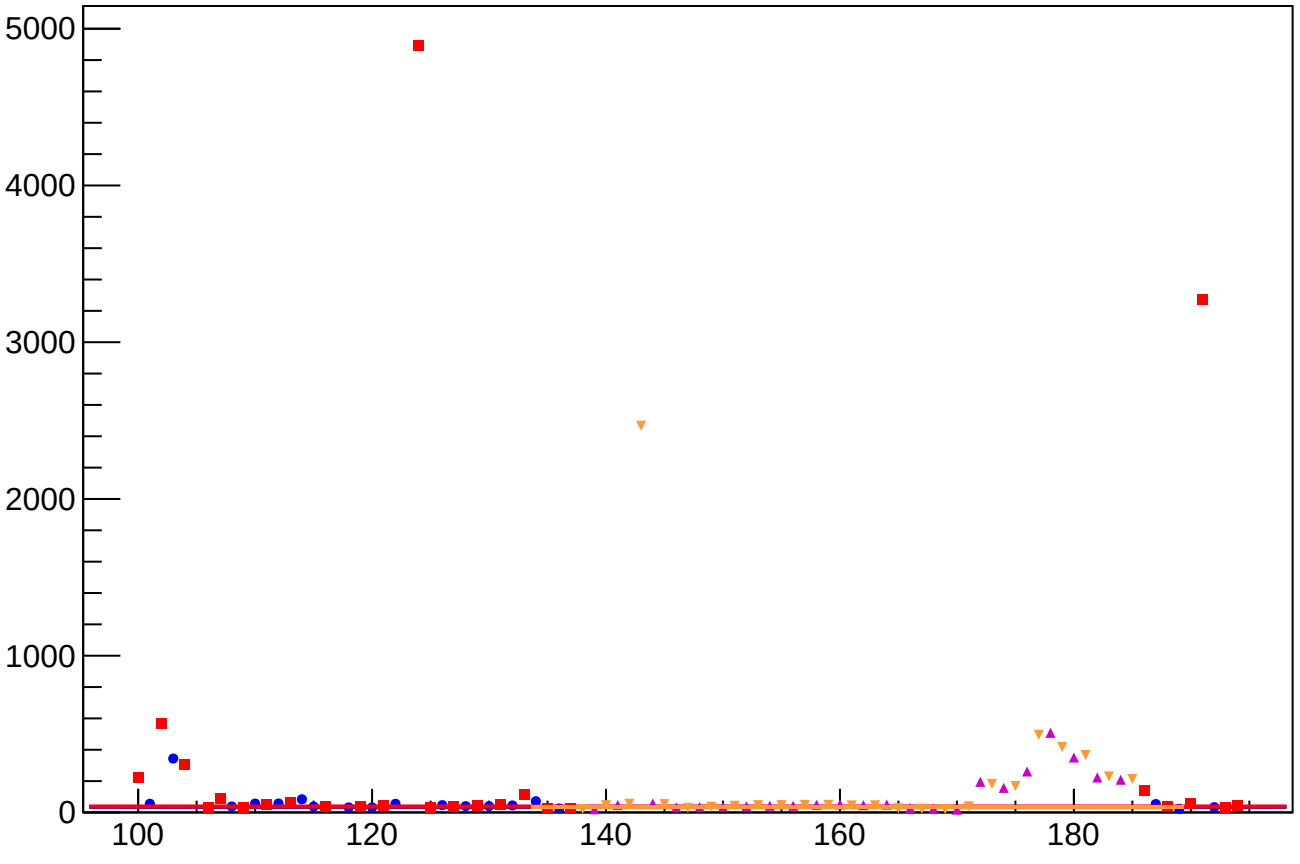
Right Out: -0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.9/91

- sign 0.000+/-0.008 χ^2/NDF: 37.7/47



Right In: 35.465+/-0.010 χ^2/NDF: 2258575.1/18

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.833+/-0.010 χ^2/NDF: 4095928.6/24

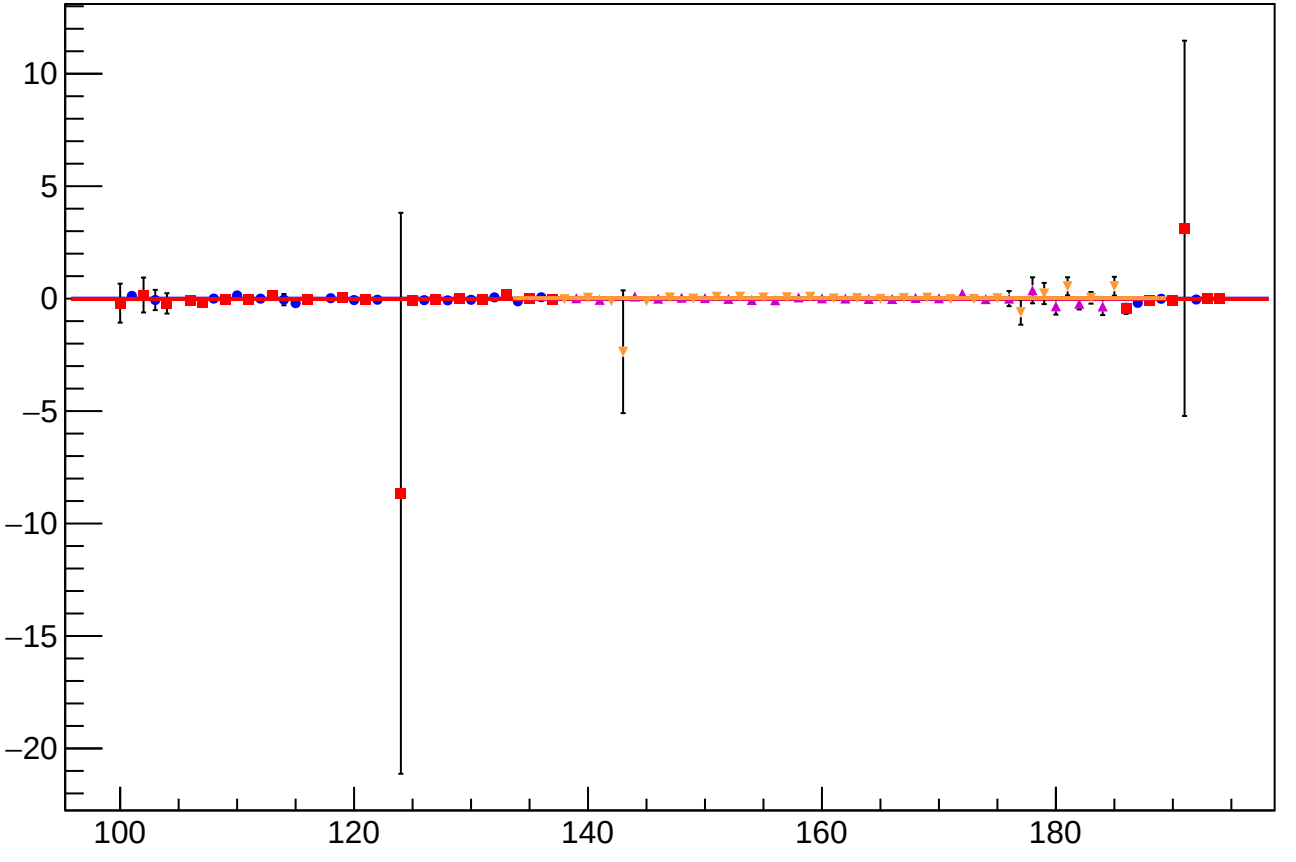
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 34.919+/-0.006 χ^2/NDF: 13665940.6/43

All: 34.988+/-0.004 χ^2/NDF: 27953500.4/91

\- sign 35.054+/-0.006 χ^2/NDF: 14287286.6/47

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

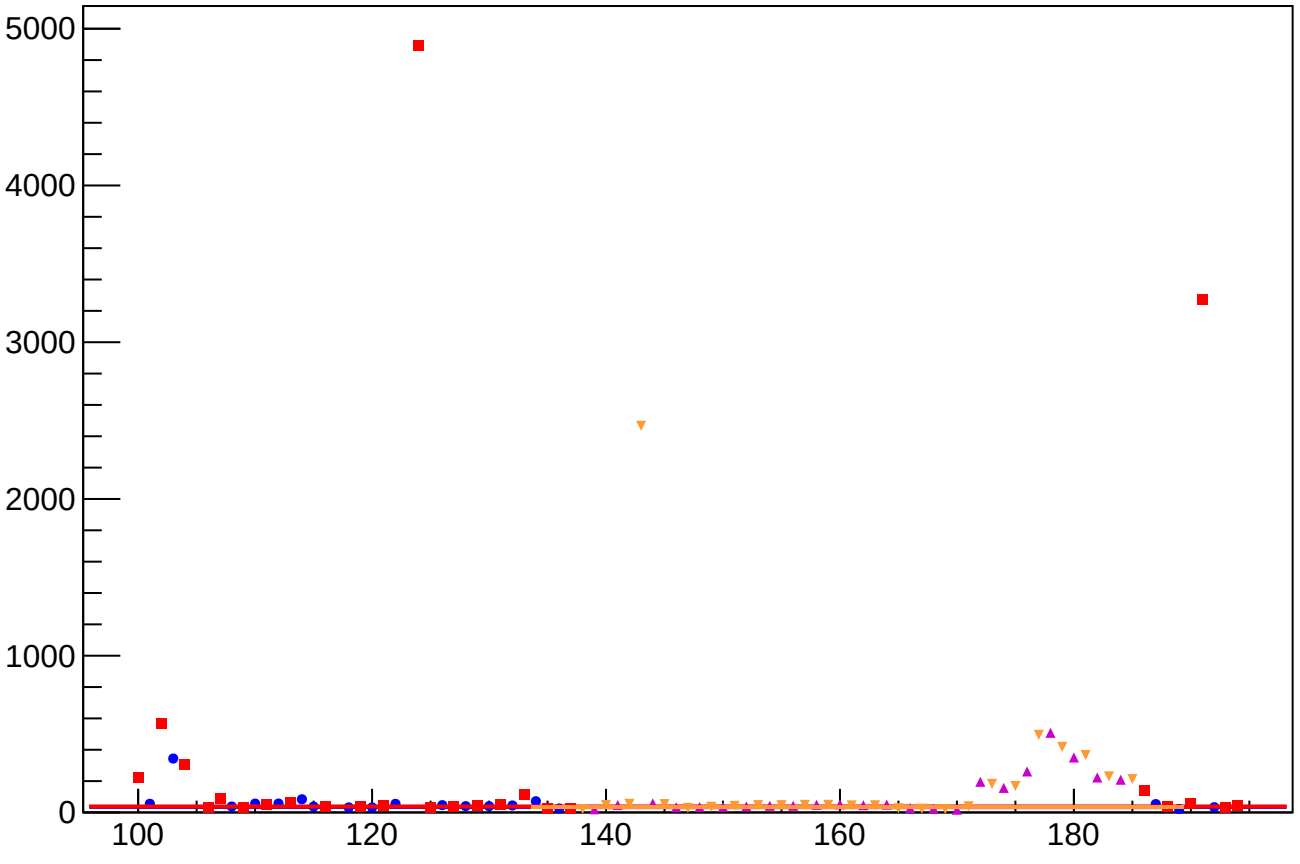
Right Out: -0.017+/-0.014 χ^2/NDF: 20.3/24

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: 86.9/91

- sign 0.000+/-0.008 χ^2/NDF: 37.7/47



Right In: 35.465+/-0.010 χ^2/NDF: 2258575.1/18

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

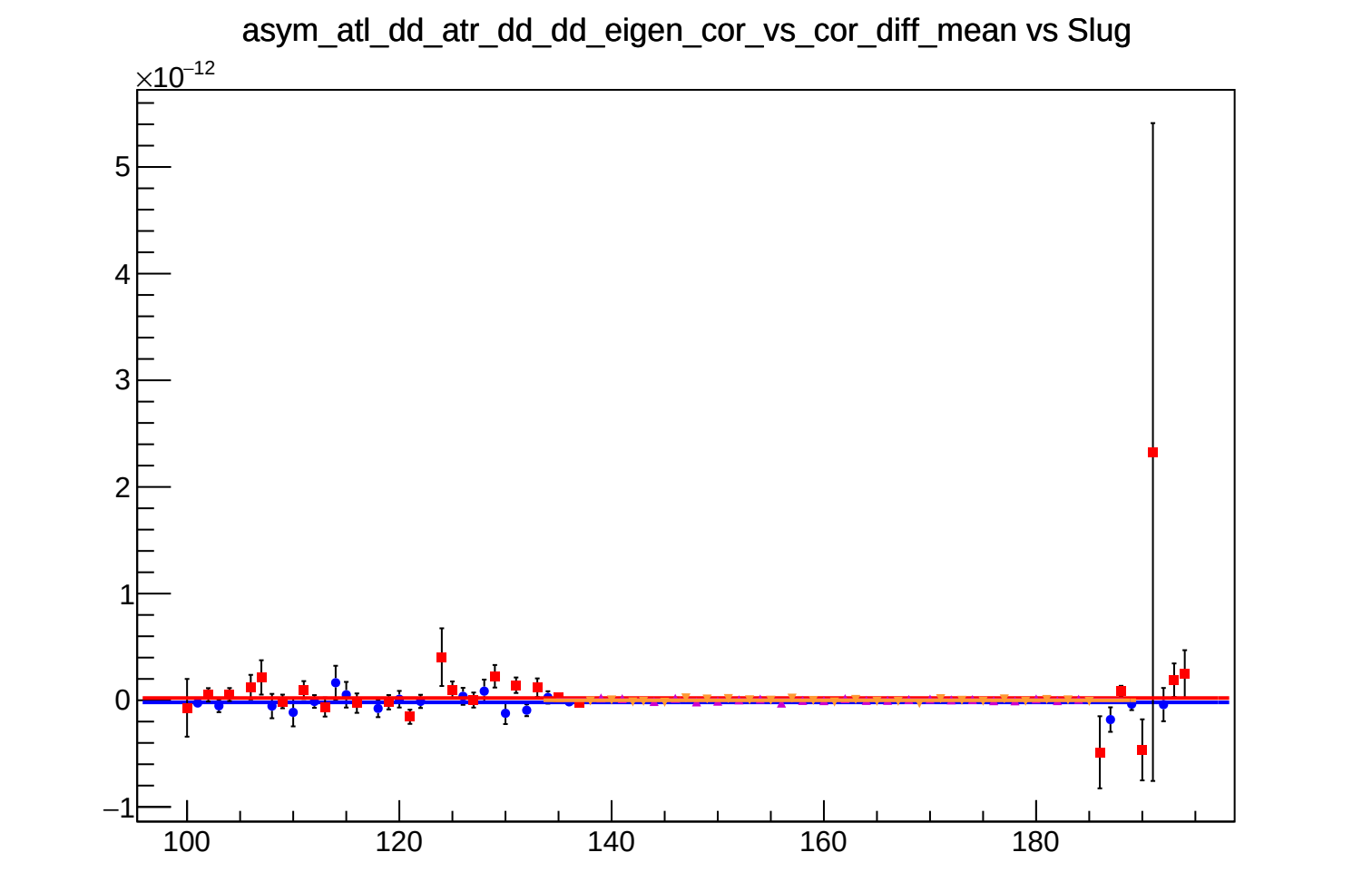
Right Out: 37.833+/-0.010 χ^2/NDF: 4095928.6/24

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.919+/-0.006 χ^2/NDF: 13665940.6/43

All: 34.988+/-0.004 χ^2/NDF: 27953500.4/91

- sign 35.054+/-0.006 χ^2/NDF: 14287286.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

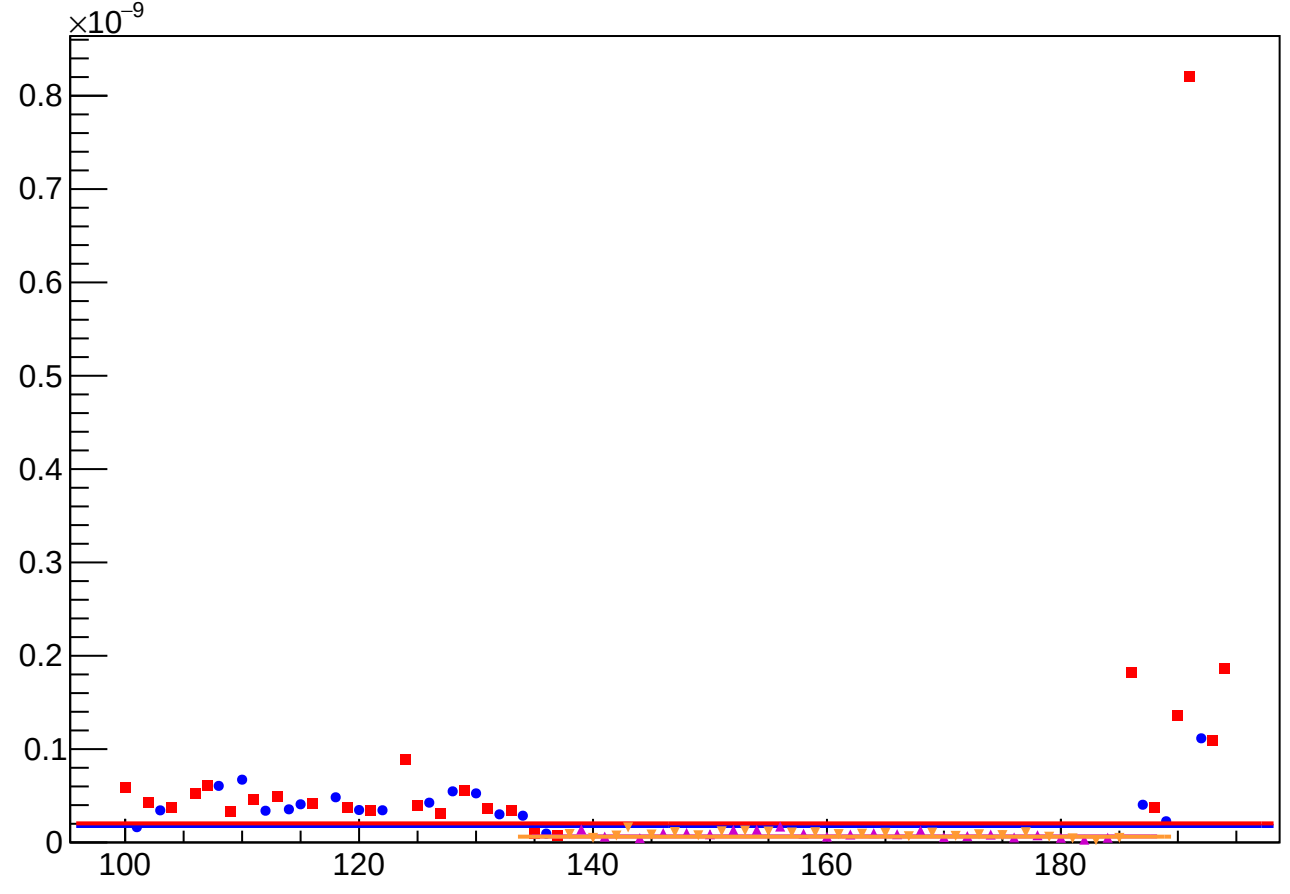
Right Out: 0.000+/-0.000 χ^2/NDF: 36.9/24

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.4/43

All: 0.000+/-0.000 χ^2/NDF: 102.1/91

- sign 0.000+/-0.000 χ^2/NDF: 59.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 4037876.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

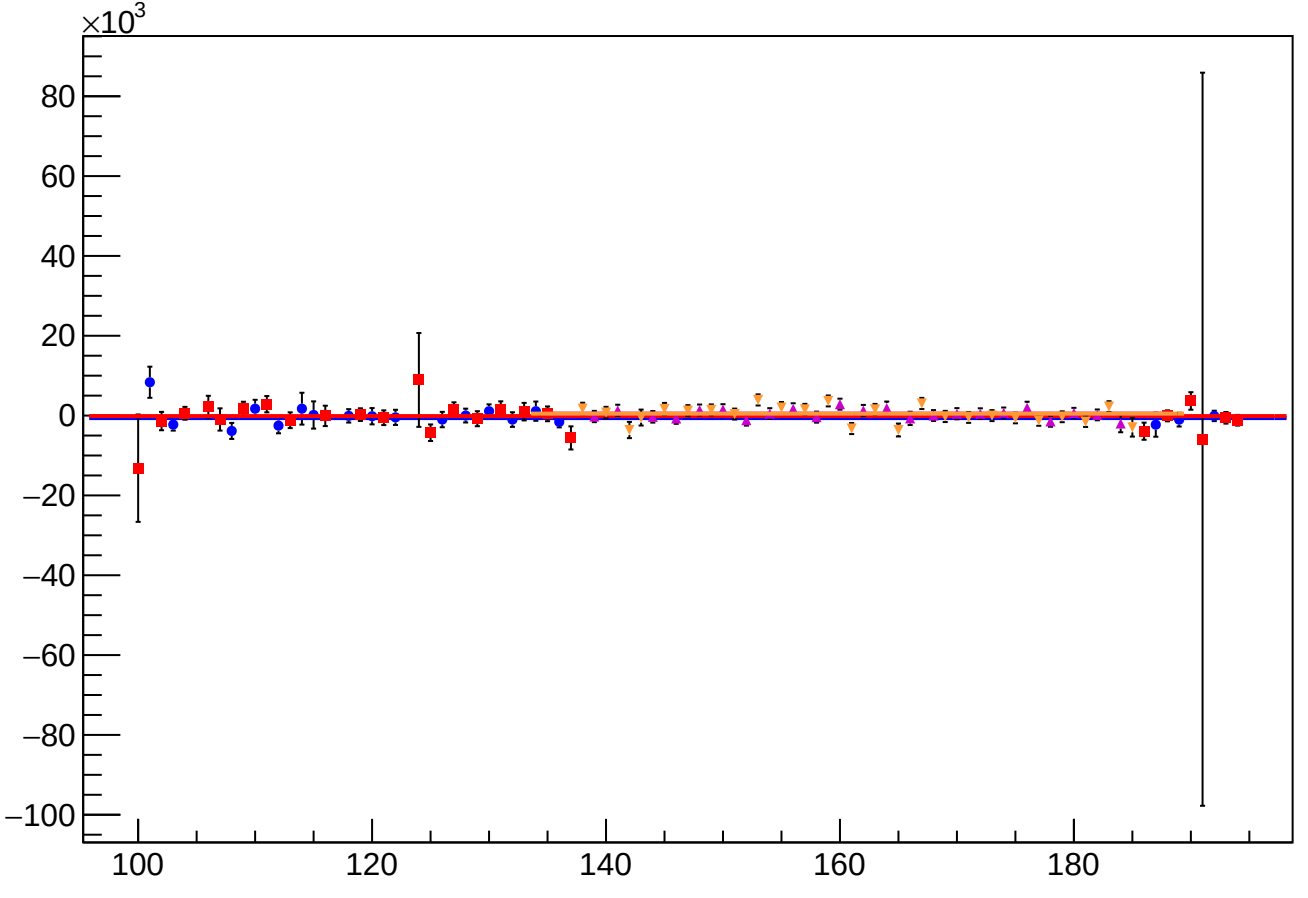
Right Out: 0.000+/-0.000 χ^2/NDF: 6635620.7/24

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11782598.5/43

All: 0.000+/-0.000 χ^2/NDF: 25693023.5/91

- sign 0.000+/-0.000 χ^2/NDF: 13882735.9/47



Right In: -629.002+/-437.603 χ^2/NDF: 14.4/18

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -122.782+/-402.054 χ^2/NDF: 22.8/24

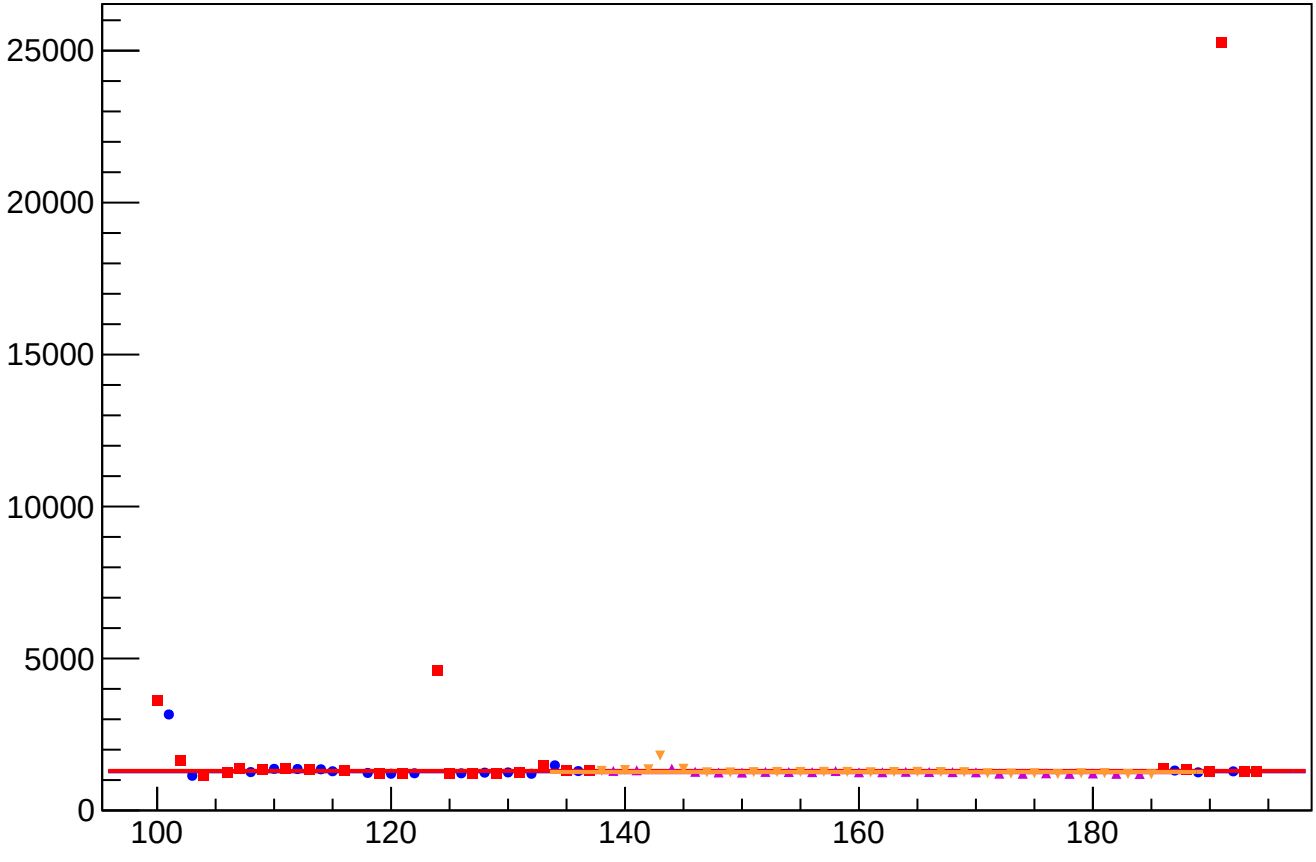
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 152.432+/-240.862 χ^2/NDF: 65.9/43

All: 214.475+/-169.005 χ^2/NDF: 104.8/91

- sign 274.644+/-237.198 χ^2/NDF: 38.7/47

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

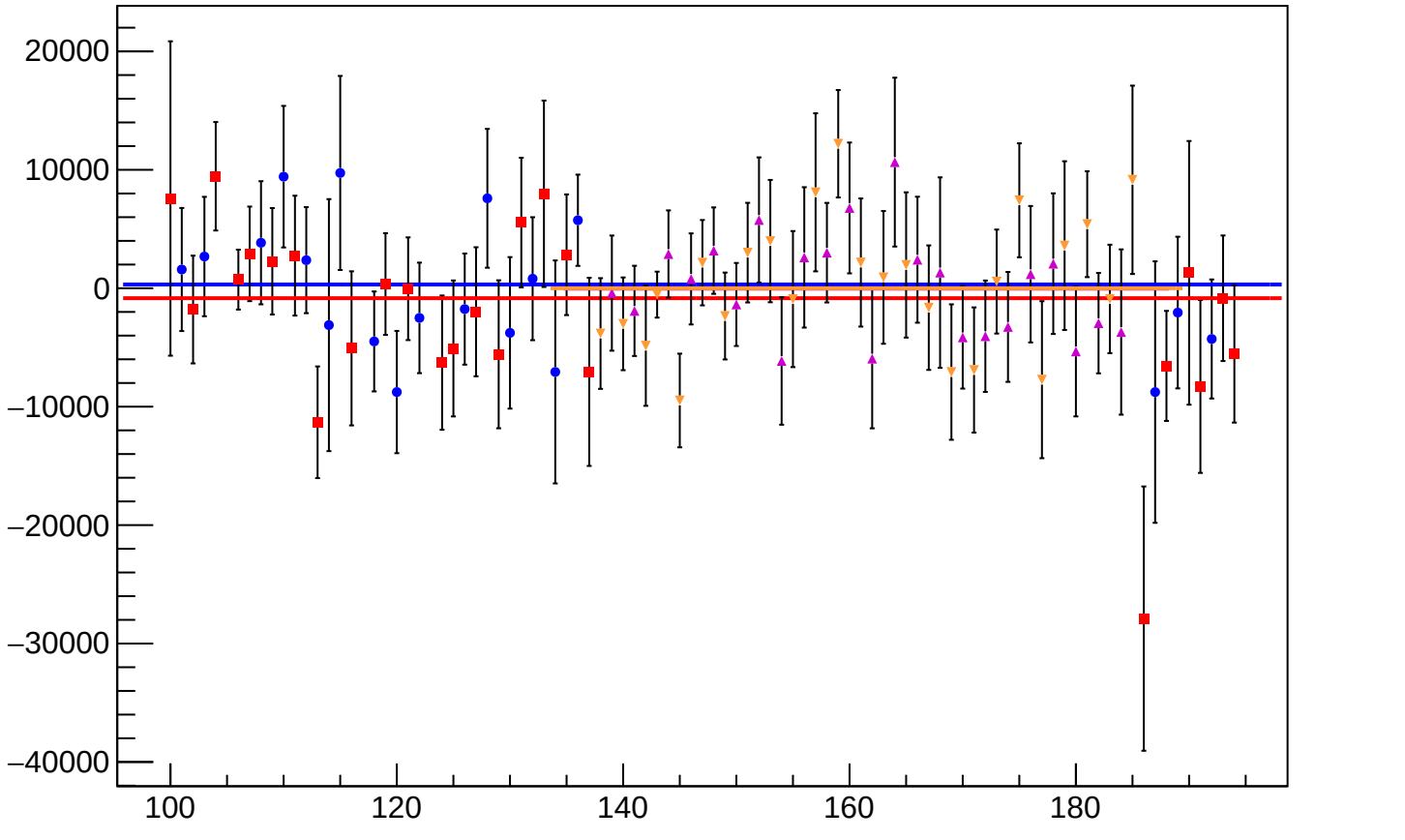
Right Out: 1302.077+/-0.284 χ^2/NDF: 465491.2/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706145.6/43

All: 1273.104+/-0.119 χ^2/NDF: 1224481.7/91

- sign 1273.085+/-0.168 χ^2/NDF: 518336.0/47



Right In: 317.922+/-1248.509 χ^2/NDF: 15.9/18

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

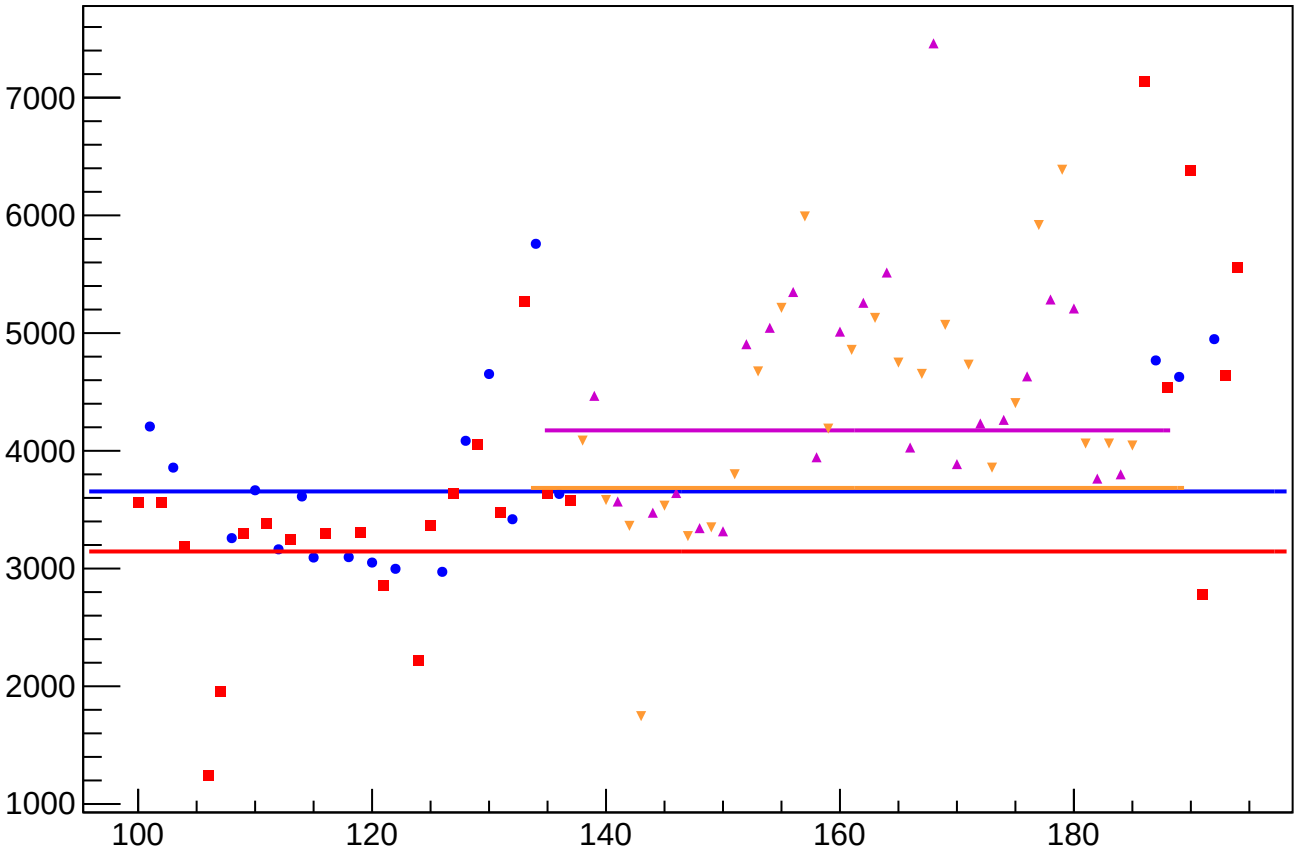
Right Out: -841.152+/-1022.496 χ^2/NDF: 28.2/24

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 106.157+/-722.814 χ^2/NDF: 45.0/43

All: -163.214+/-507.682 χ^2/NDF: 87.8/91

- sign -425.483+/-713.222 χ^2/NDF: 42.5/47



Right In: 3655.027+/-0.883 χ^2/NDF: 577740.2/18

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

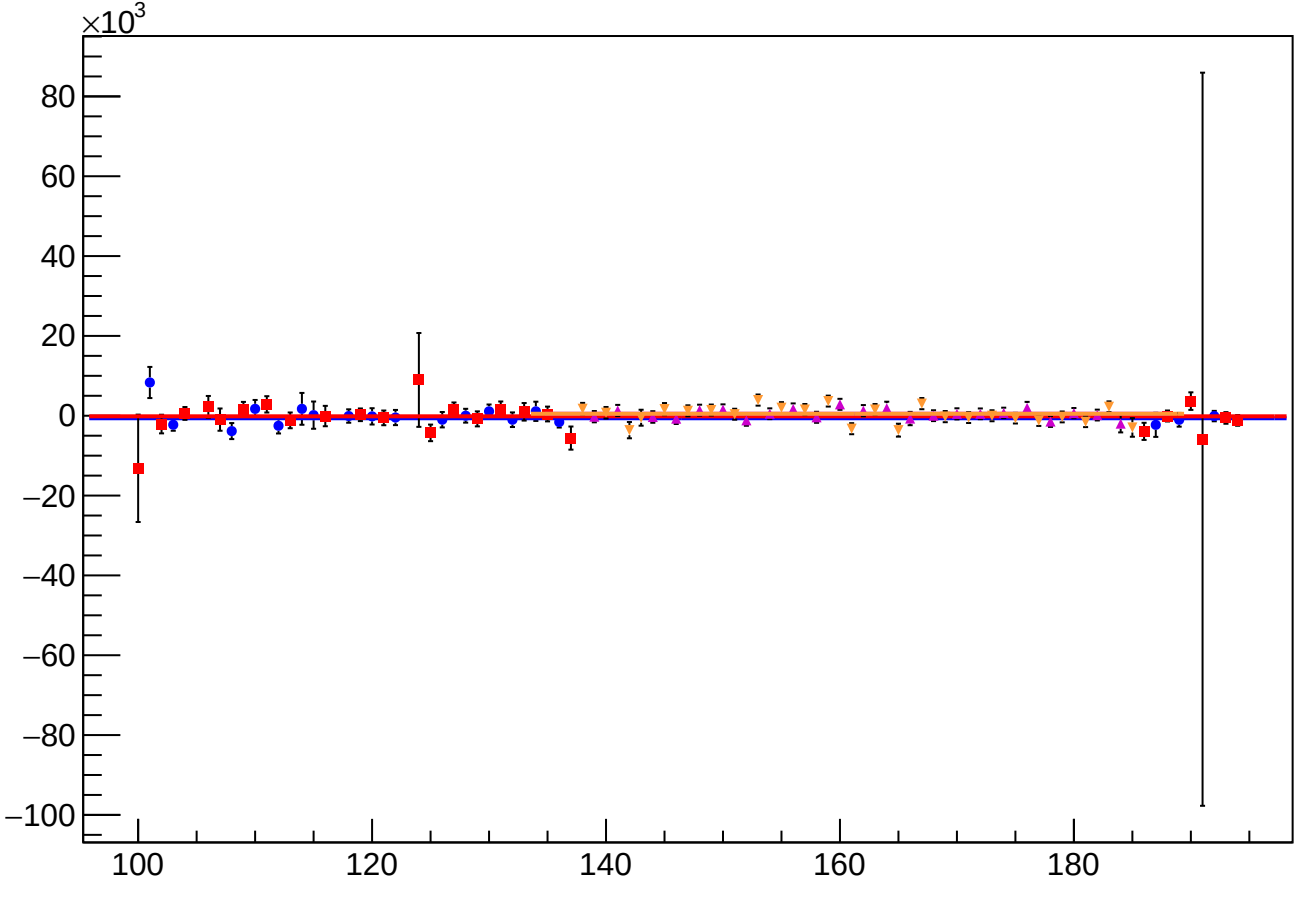
Right Out: 3144.971+/-0.723 χ^2/NDF: 2757144.2/24

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3674.800+/-0.511 χ^2/NDF: 4272141.3/43

All: 3673.938+/-0.359 χ^2/NDF: 9343430.2/91

- sign 3673.099+/-0.504 χ^2/NDF: 5071283.3/47



Right In: -629.317+/-437.603 χ^2/NDF: 14.4/18

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -142.652+/-402.235 χ^2/NDF: 23.2/24

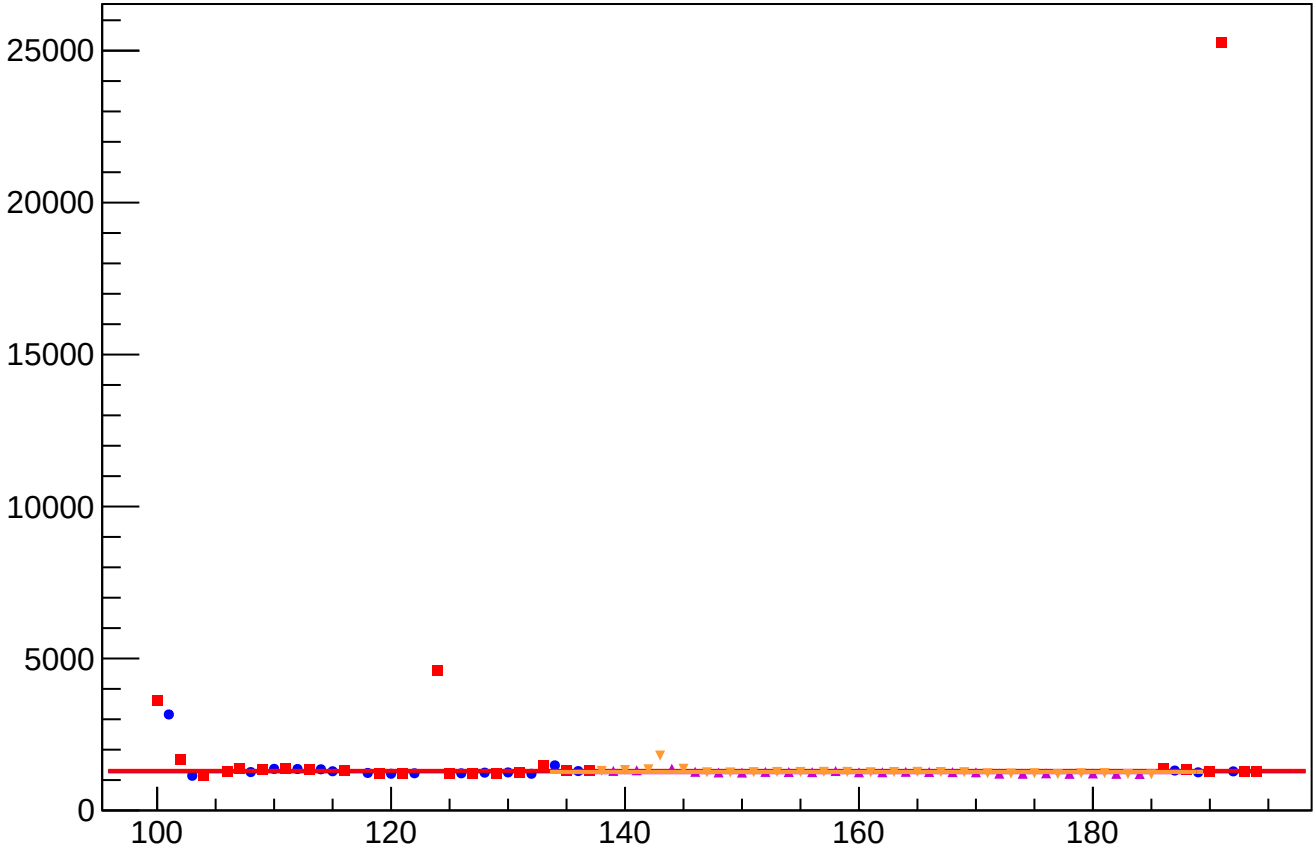
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 210.945+/-169.018 χ^2/NDF: 105.2/91

- sign 267.791+/-237.235 χ^2/NDF: 39.2/47

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

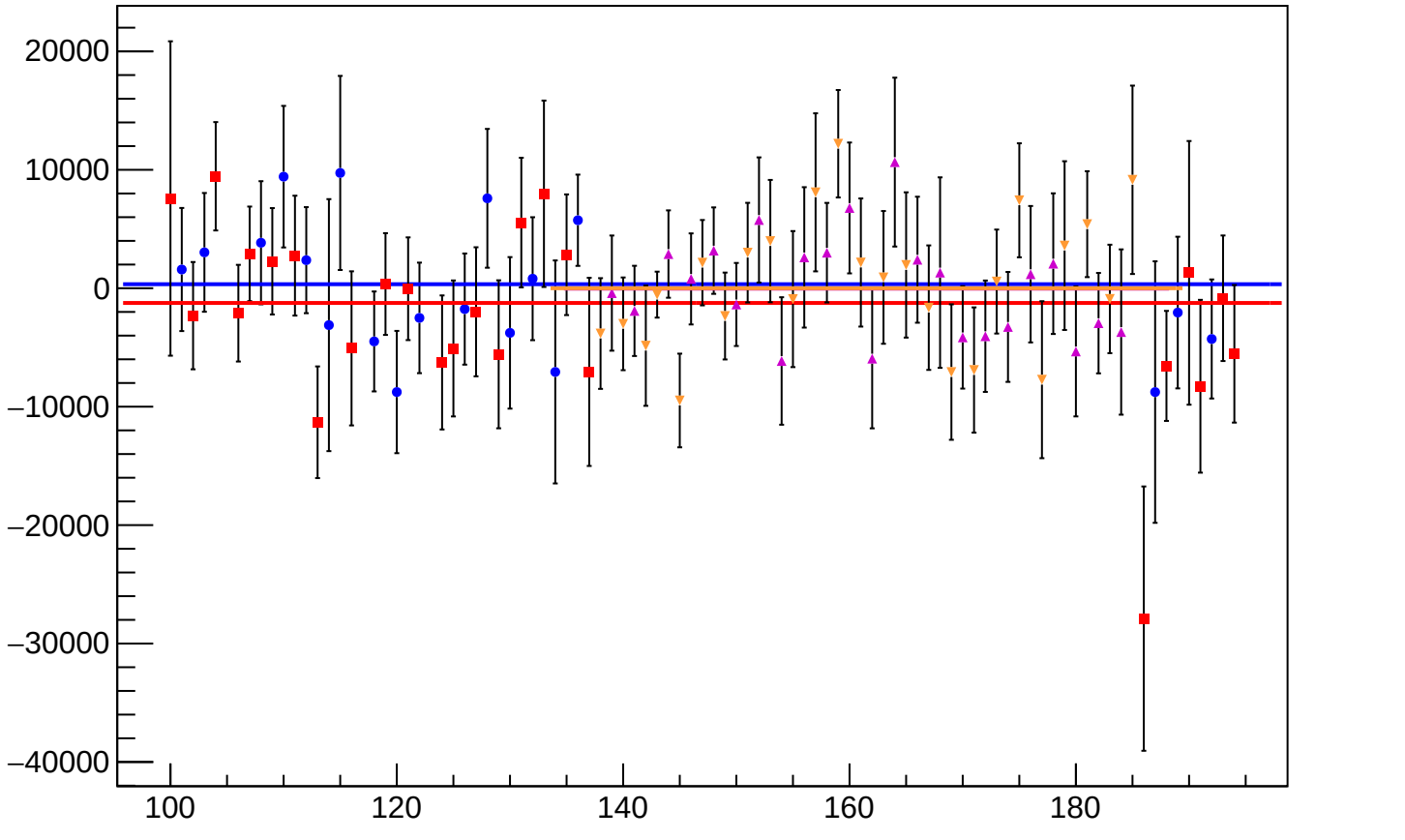
Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.339+/-0.119 χ^2/NDF: 1231904.4/91

- sign 1273.548+/-0.168 χ^2/NDF: 525754.2/47



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

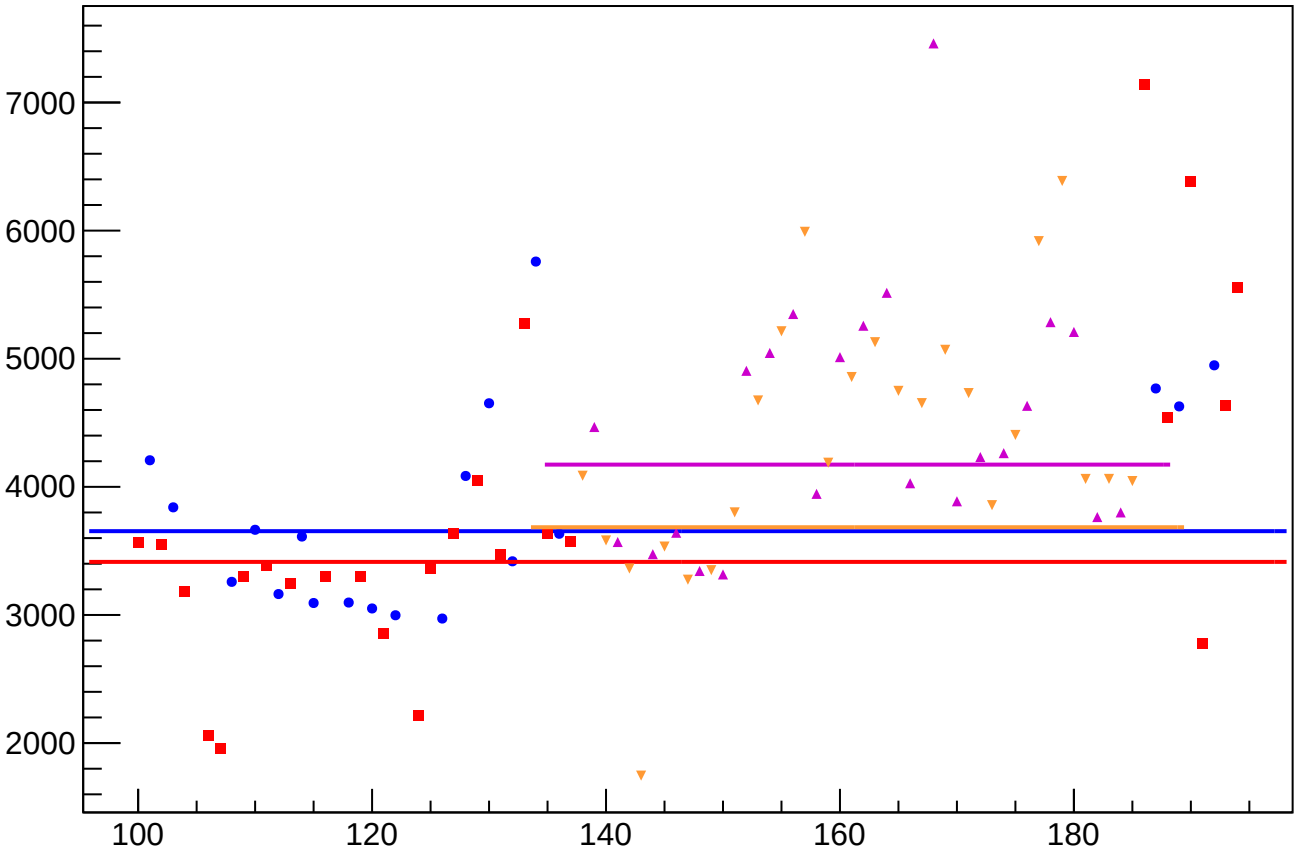
Right Out: -1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 114.011+/-722.740 χ^2/NDF: 45.0/43

All: -233.442+/-514.034 χ^2/NDF: 88.0/91

- sign -589.117+/-731.242 χ^2/NDF: 42.5/47



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

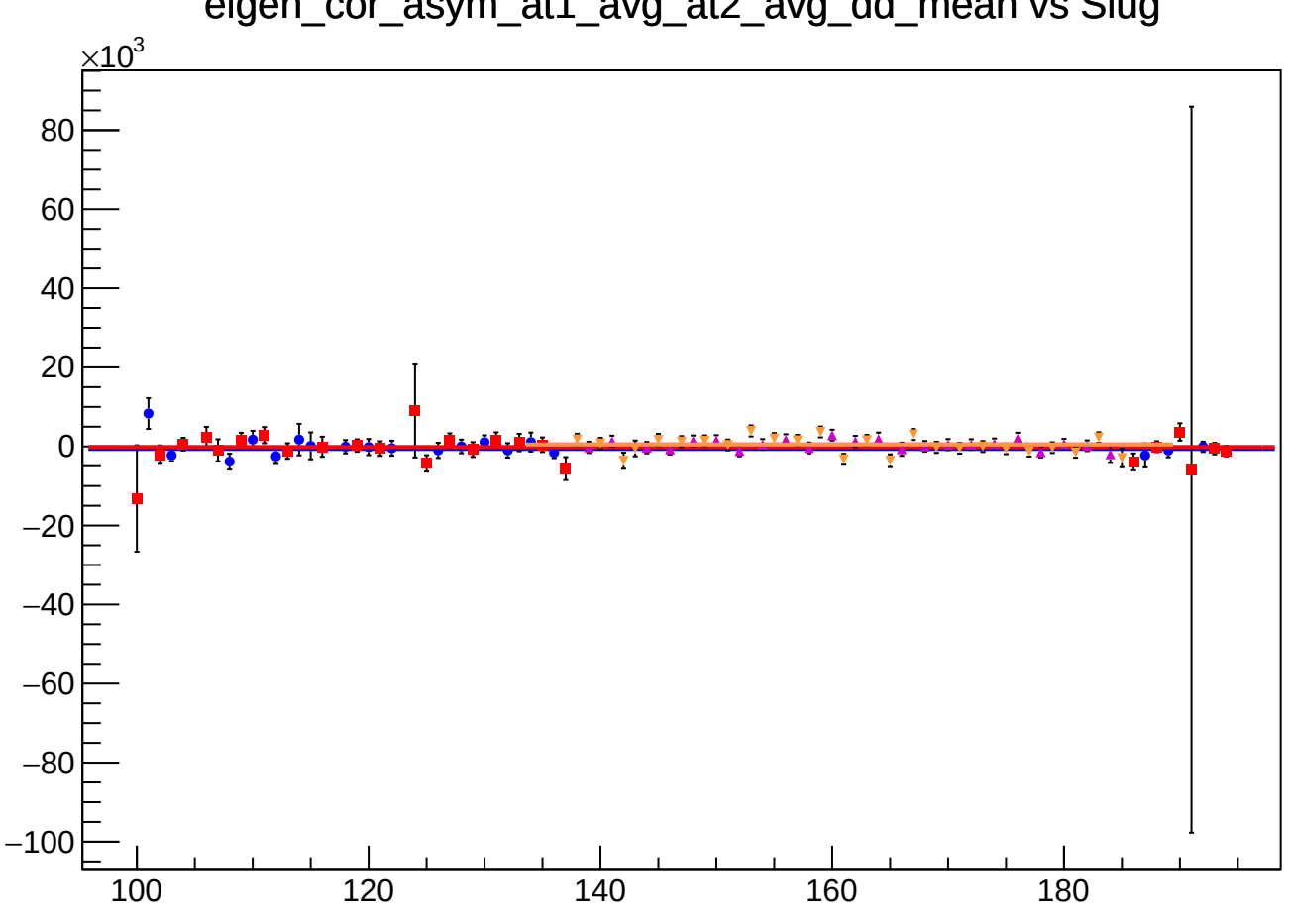
Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3748.406+/-0.363 χ^2/NDF: 7764564.0/91

- sign 3824.071+/-0.517 χ^2/NDF: 3450419.9/47



Right In: -629.317+/-437.603 χ^2/NDF: 14.4/18

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -142.652+/-402.235 χ^2/NDF: 23.2/24

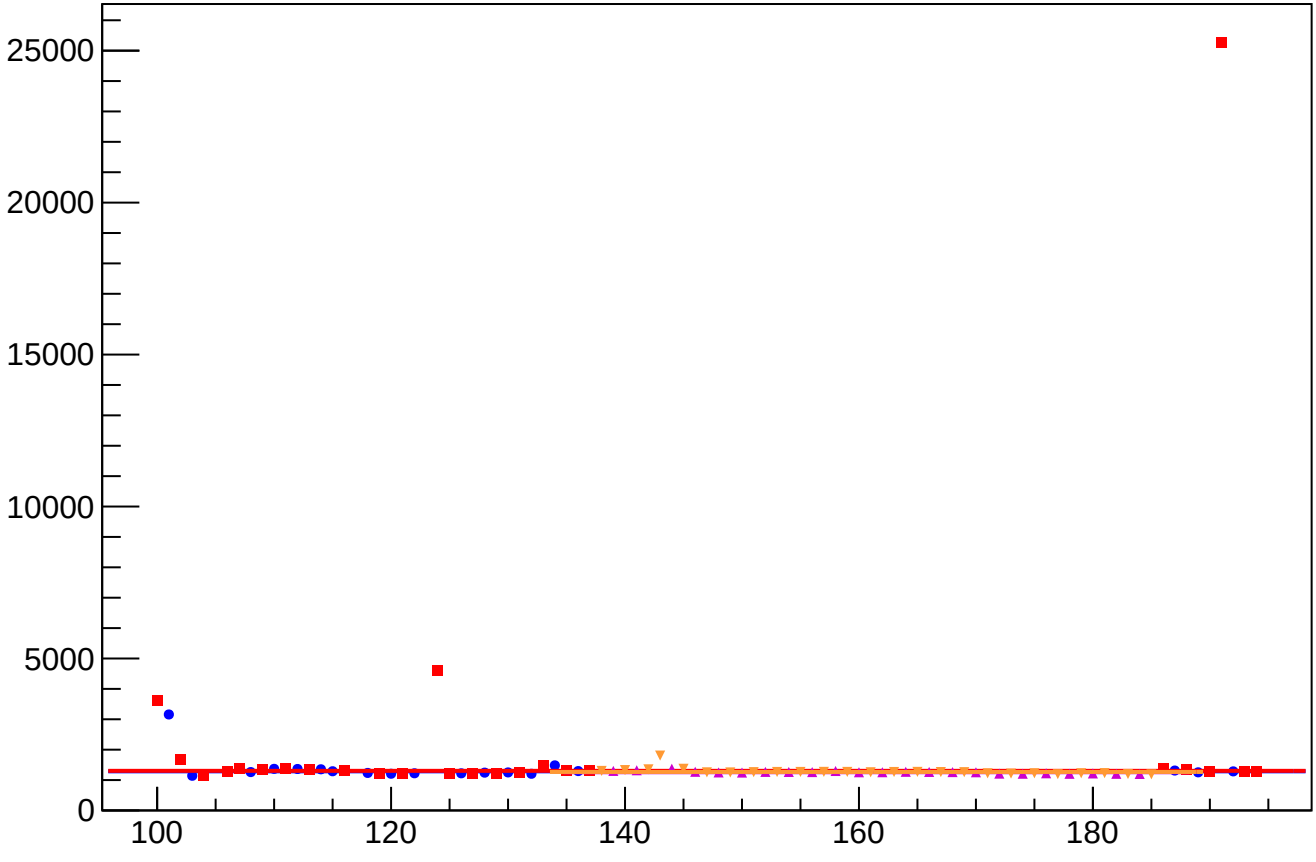
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 210.945+/-169.018 χ^2/NDF: 105.2/91

- sign 267.791+/-237.235 χ^2/NDF: 39.2/47

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

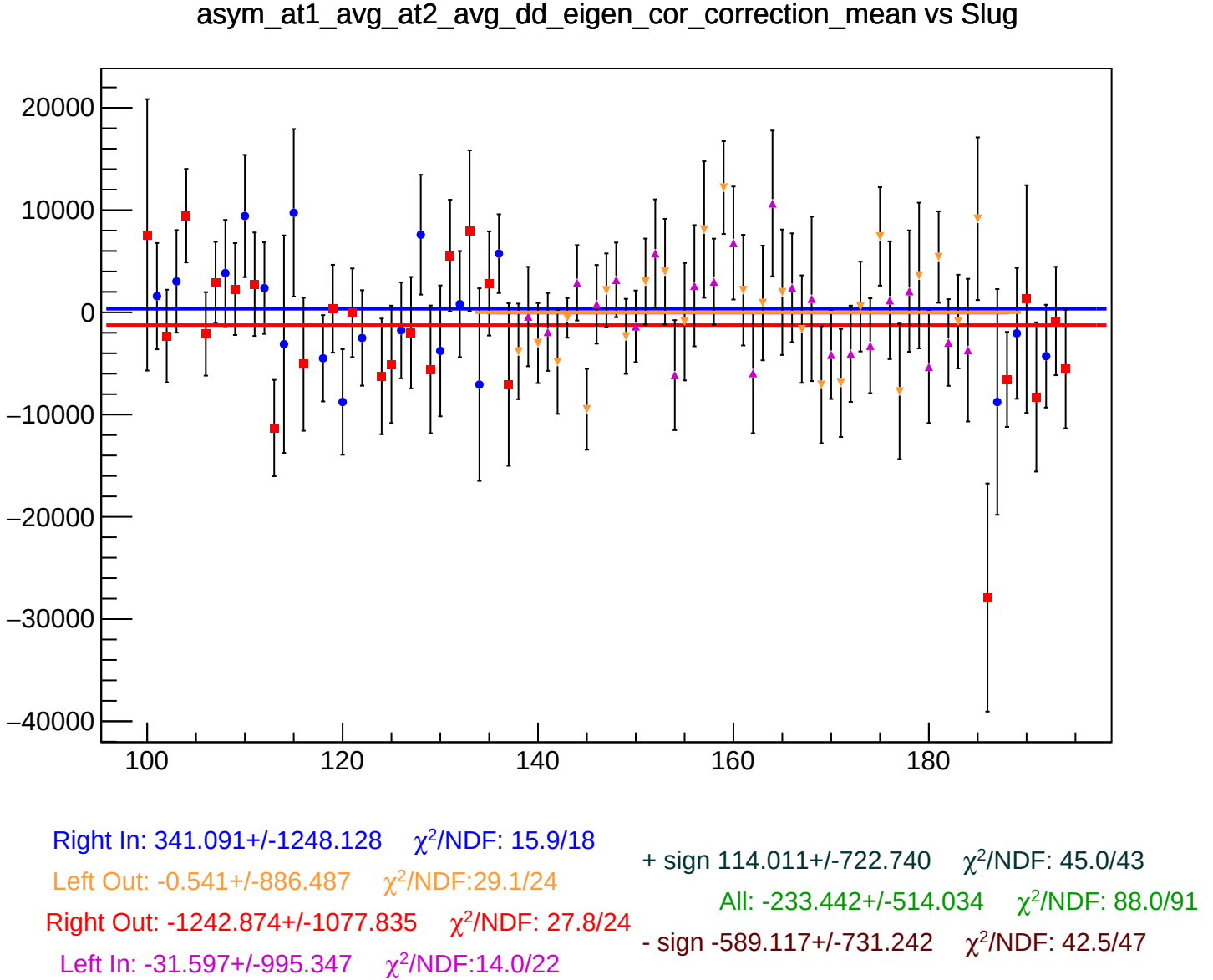
Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

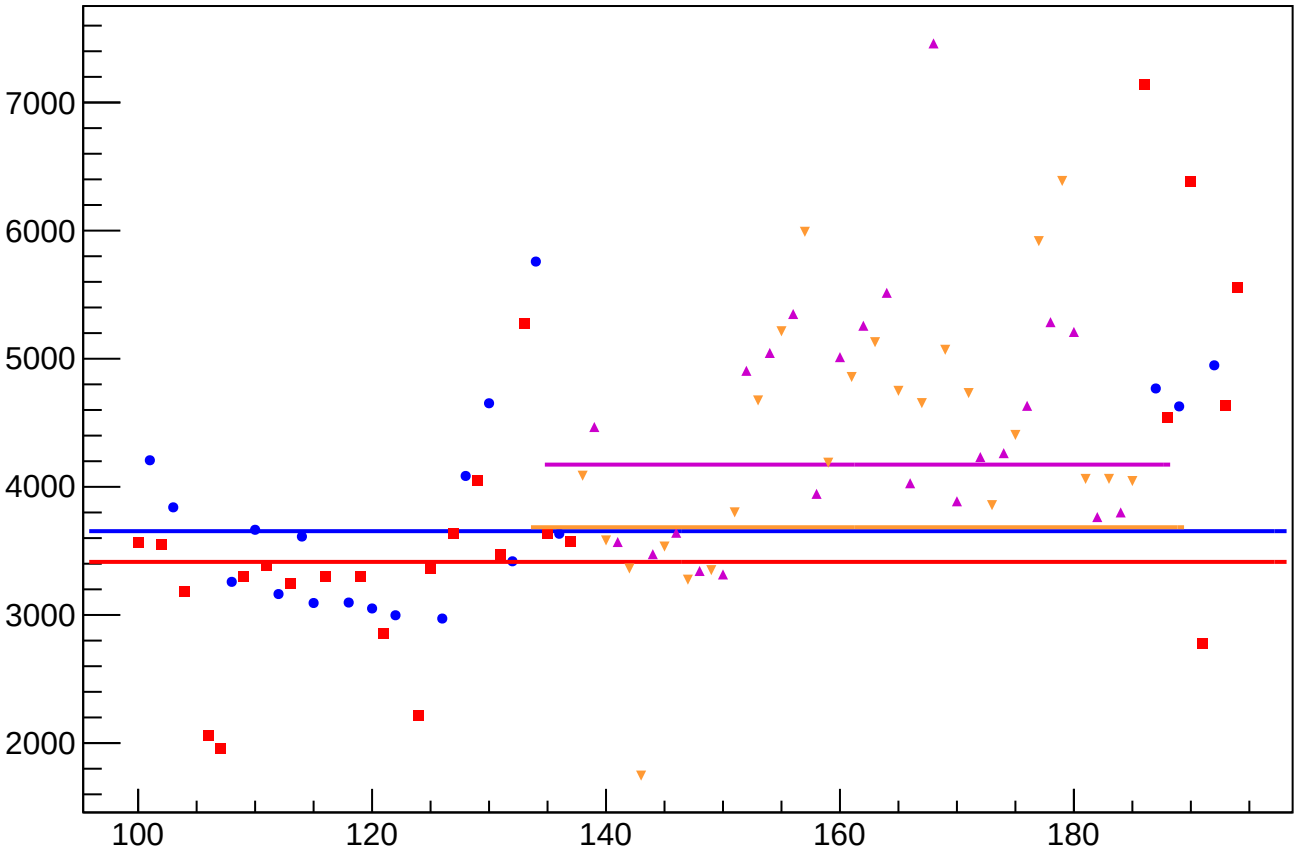
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.339+/-0.119 χ^2/NDF: 1231904.4/91

- sign 1273.548+/-0.168 χ^2/NDF: 525754.2/47


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
Right In: 341.091+/-1248.128 χ²/NDF: 15.9/18
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1242.874+/-1077.835 χ²/NDF: 27.8/24
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 114.011+/-722.740 χ²/NDF: 45.0/43
All: -233.442+/-514.034 χ²/NDF: 88.0/91
- sign -589.117+/-731.242 χ²/NDF: 42.5/47



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

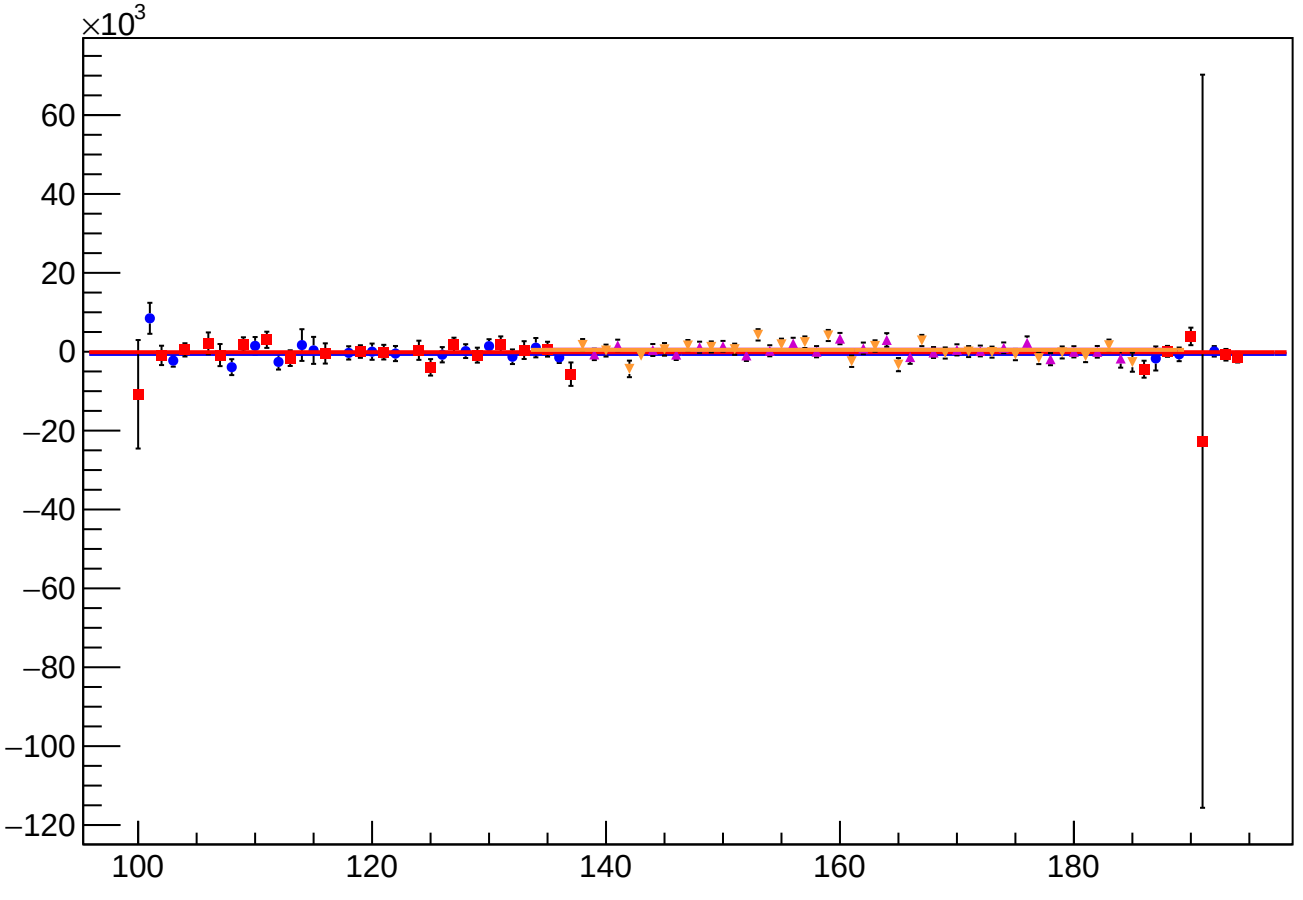
Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3748.406+/-0.363 χ^2/NDF: 7764564.0/91

- sign 3824.071+/-0.517 χ^2/NDF: 3450419.9/47



Right In: -555.878+/-442.785 χ^2/NDF: 14.5/18

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -122.732+/-402.102 χ^2/NDF: 23.5/24

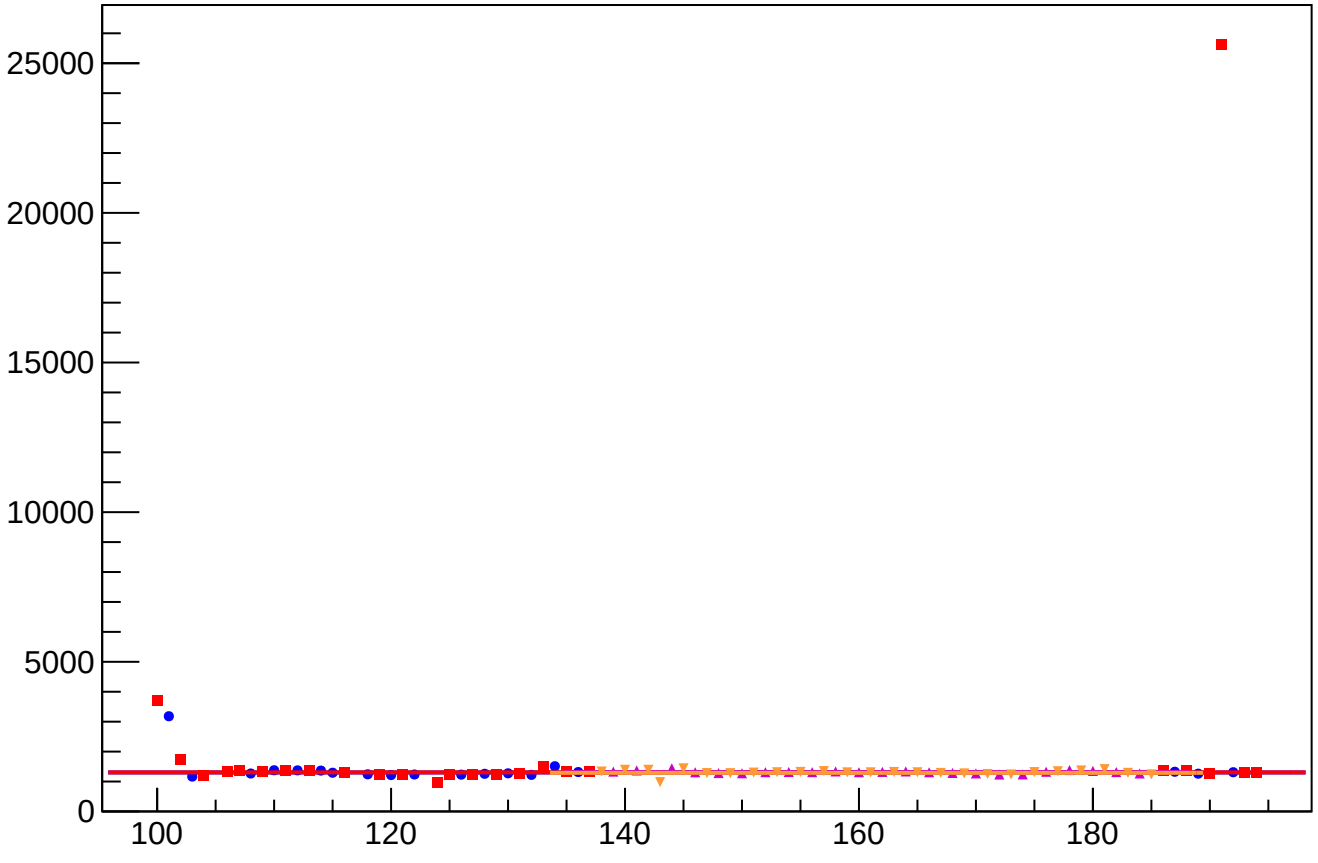
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign 154.290+/-245.075 χ^2/NDF: 62.3/43

All: 213.832+/-172.927 χ^2/NDF: 104.9/91

\- sign 272.872+/-244.039 χ^2/NDF: 42.4/47

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

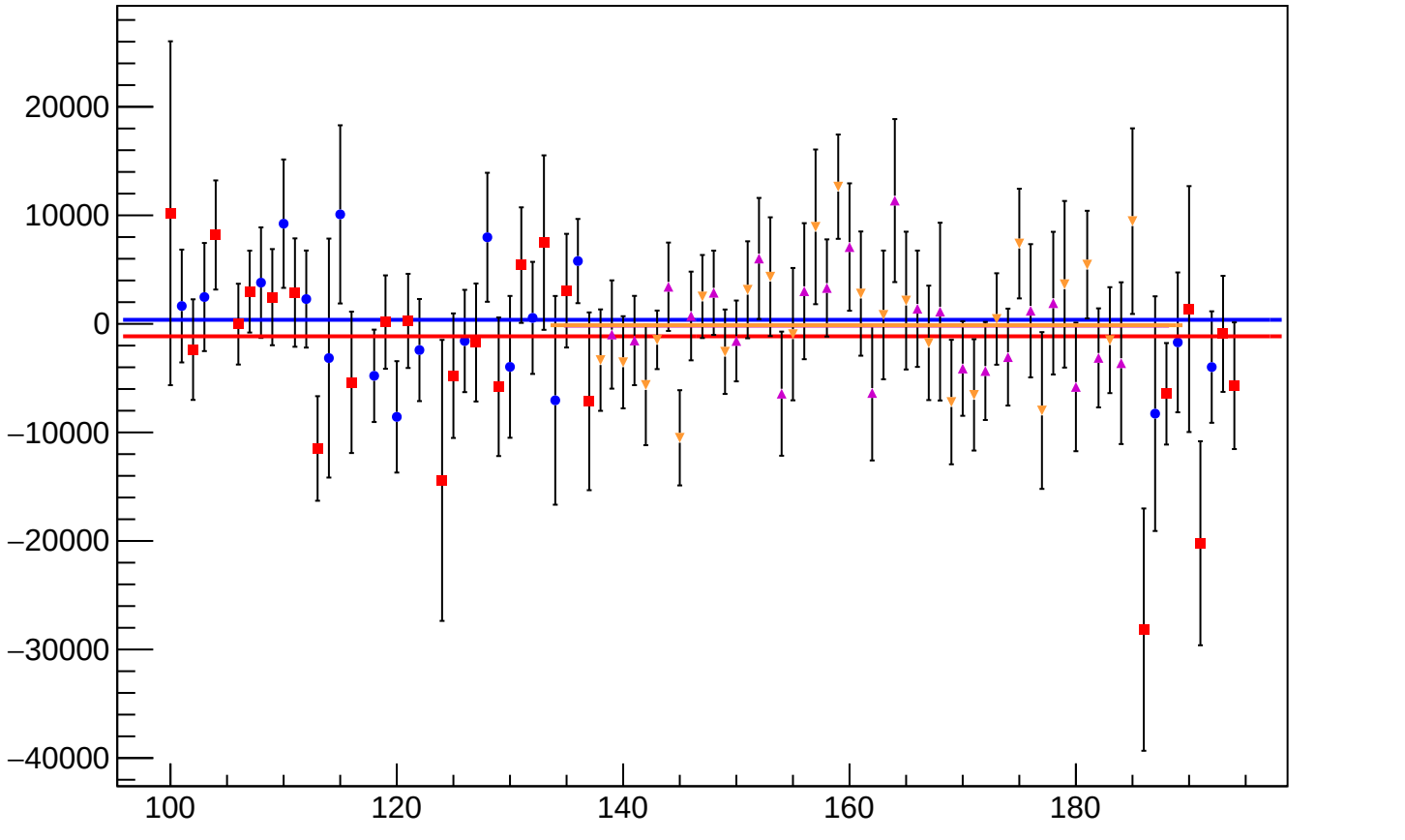
Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.5/24

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.690+/-0.173 χ^2/NDF: 743518.9/43

All: 1302.849+/-0.122 χ^2/NDF: 1151655.2/91

- sign 1310.936+/-0.173 χ^2/NDF: 403722.5/47



Right In: 374.648+/-1251.845 χ^2/NDF: 15.7/18

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

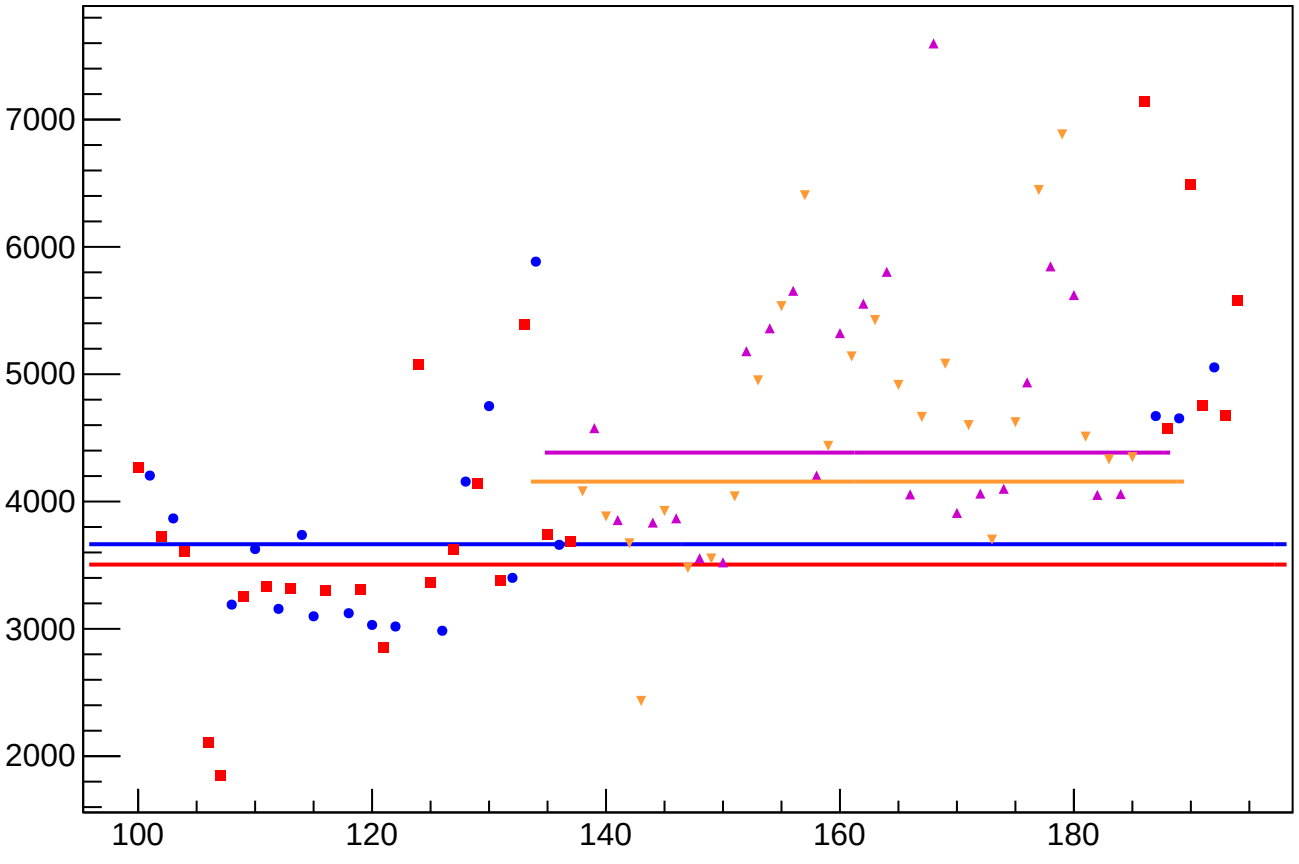
Right Out: -1145.582+/-1096.551 χ^2/NDF: 29.6/24

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 62.777+/-770.312 χ^2/NDF: 44.4/43

All: -289.300+/-539.812 χ^2/NDF: 88.6/91

- sign -629.033+/-756.688 χ^2/NDF: 43.8/47



Right In: 3664.685+/-0.885 χ^2/NDF: 611305.2/18

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

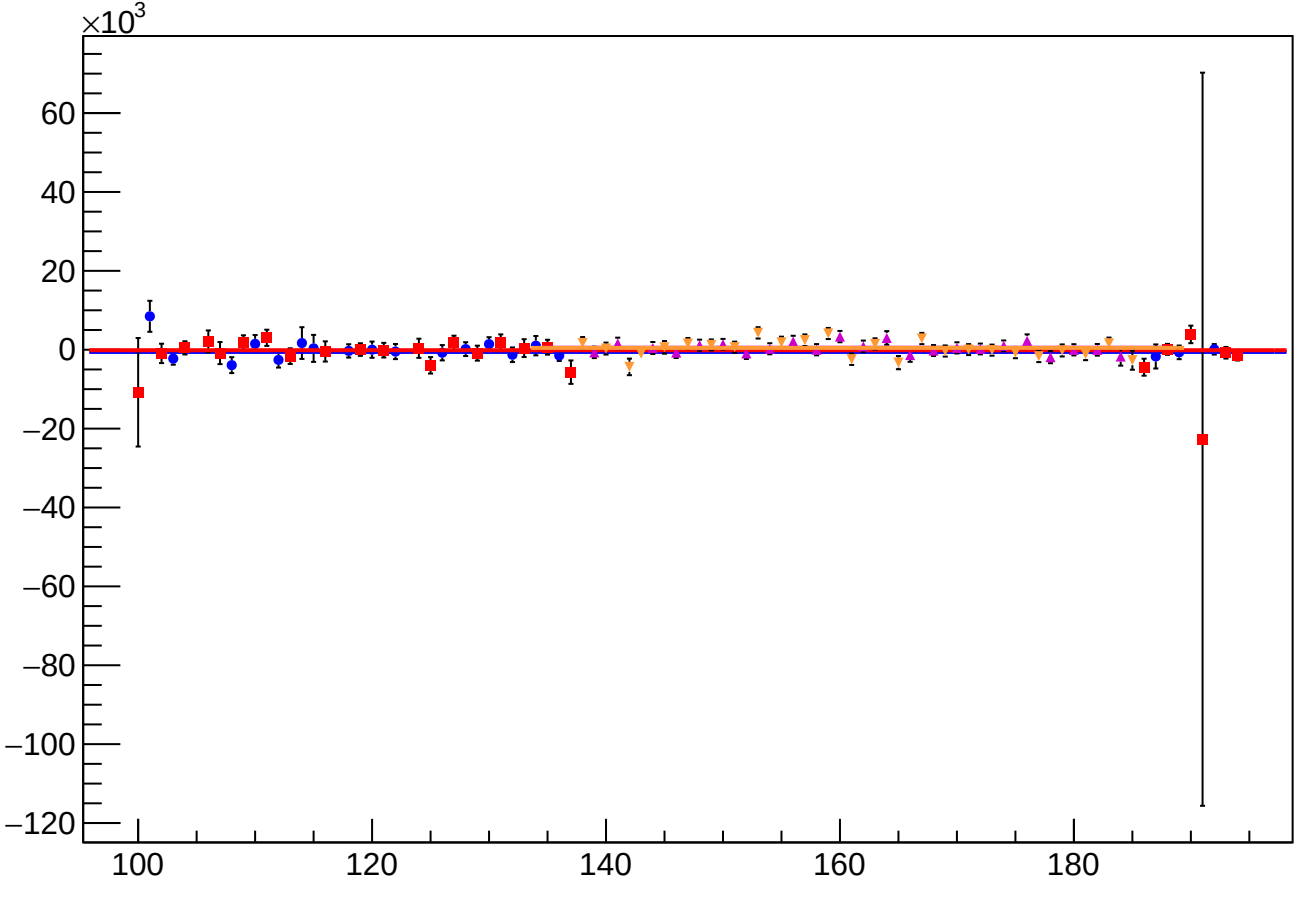
Right Out: 3504.957+/-0.775 χ^2/NDF: 1746894.4/24

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3970.327+/-0.545 χ^2/NDF: 2883945.7/43

All: 3967.912+/-0.382 χ^2/NDF: 6560083.9/91

- sign 3965.582+/-0.535 χ^2/NDF: 3676099.6/47



Right In: -555.882+/-442.785 χ^2/NDF: 14.5/18

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -122.727+/-402.102 χ^2/NDF: 23.5/24

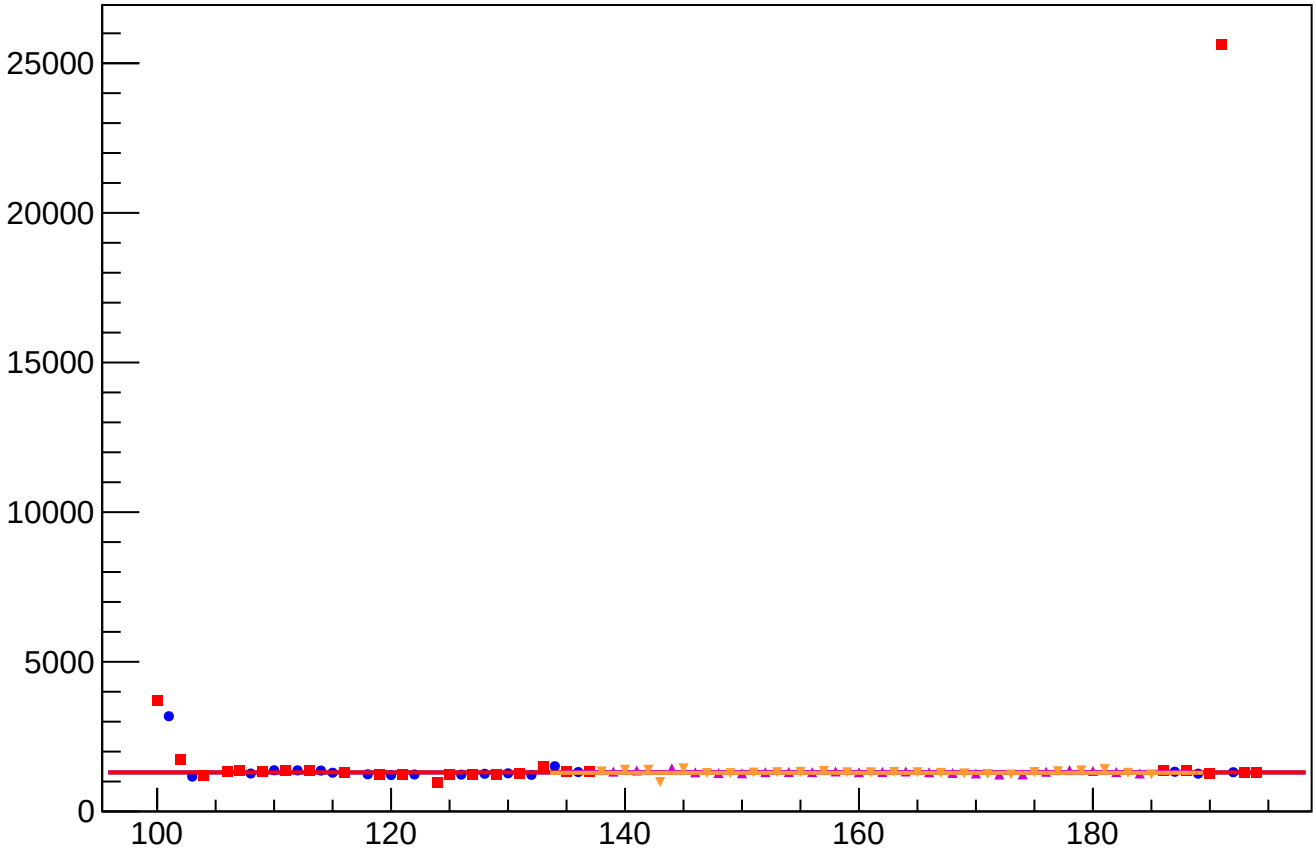
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 154.291+/-245.075 χ^2/NDF: 62.3/43

All: 213.834+/-172.927 χ^2/NDF: 104.9/91

- sign 272.874+/-244.039 χ^2/NDF: 42.4/47

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1302.568+/-0.313 χ^2/NDF: 511871.1/18

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

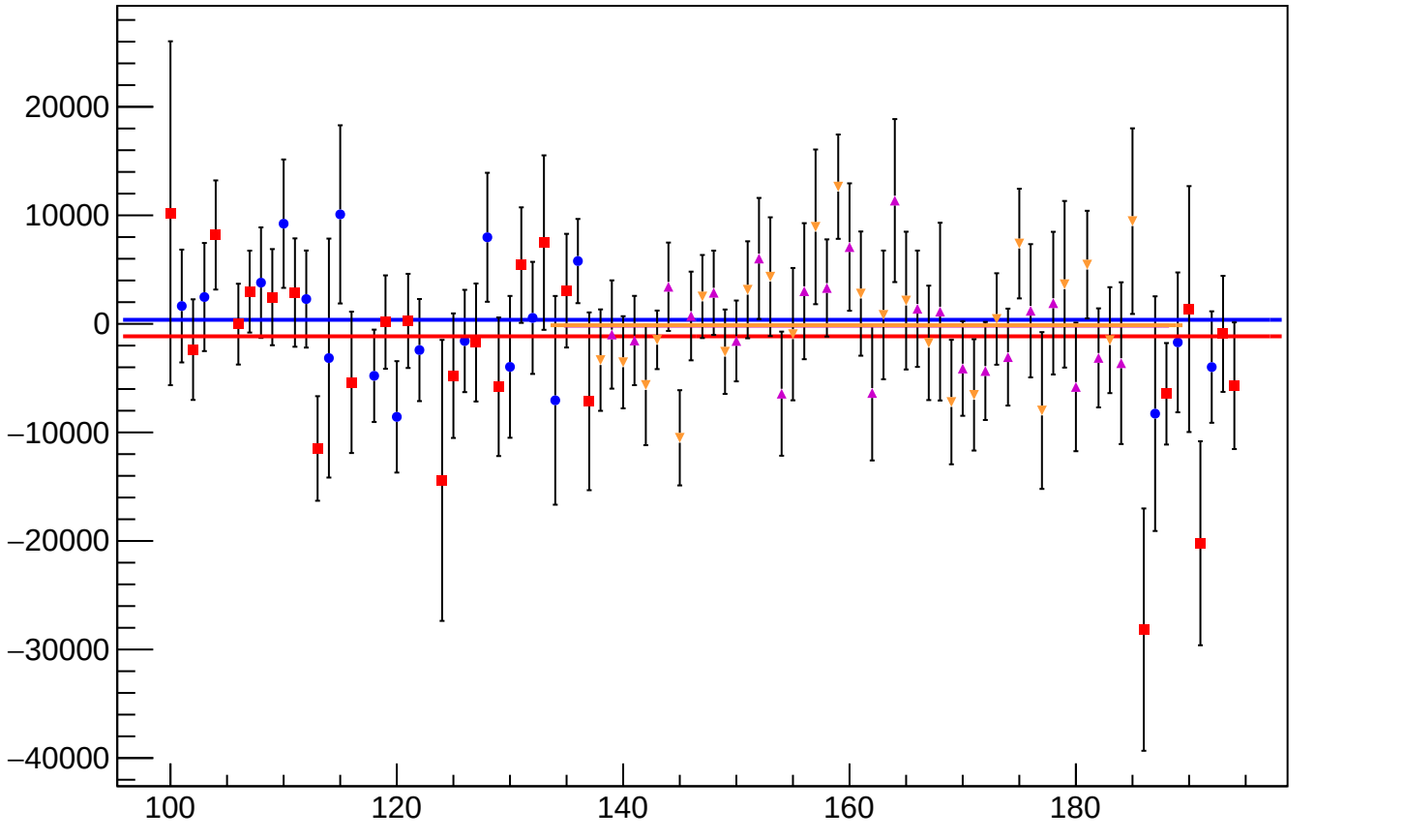
Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.6/24

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.691+/-0.173 χ^2/NDF: 743521.3/43

All: 1302.850+/-0.122 χ^2/NDF: 1151660.0/91

- sign 1310.937+/-0.173 χ^2/NDF: 403725.0/47



Right In: 374.640+/-1251.843 χ^2/NDF: 15.7/18

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

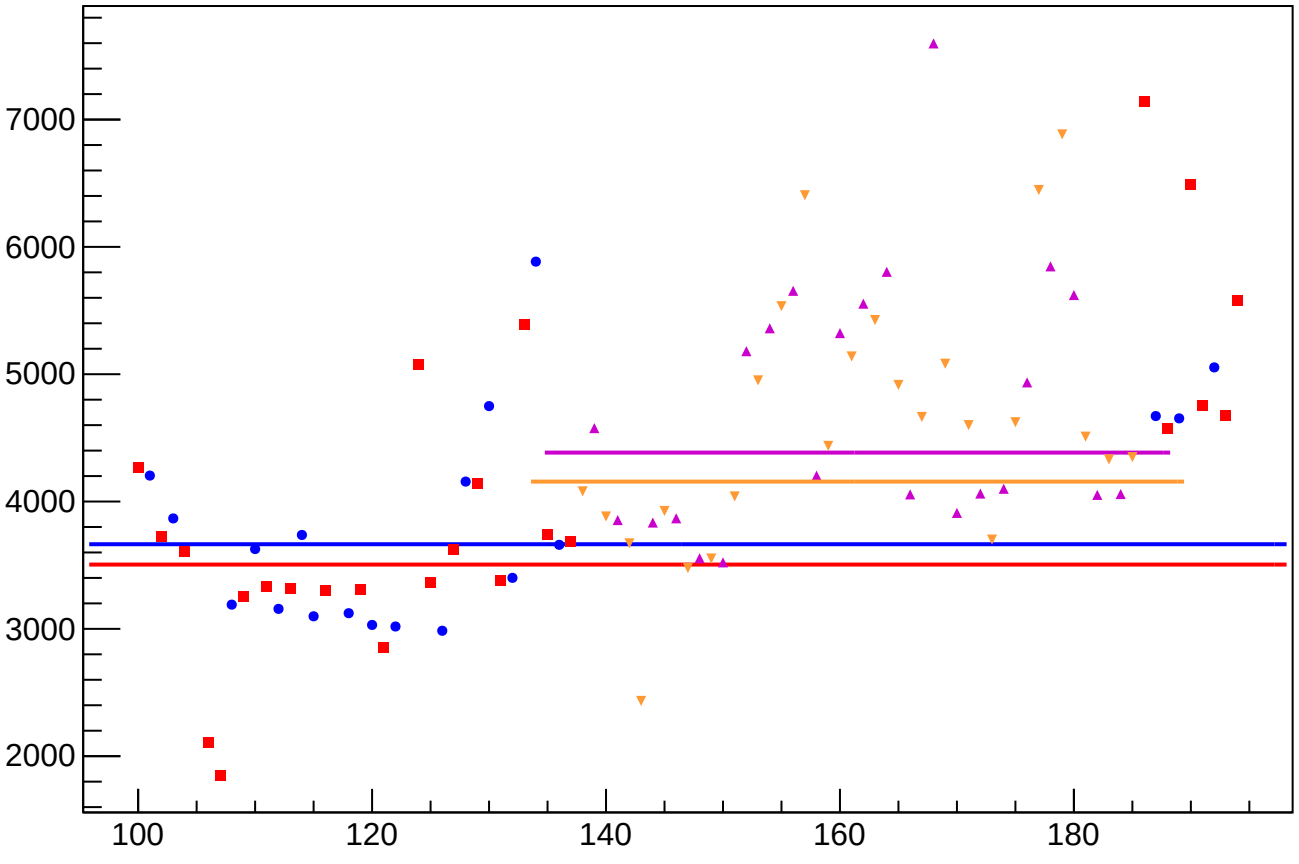
Right Out: -1145.573+/-1096.549 χ^2/NDF: 29.6/24

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 62.776+/-770.313 χ^2/NDF: 44.4/43

All: -289.300+/-539.812 χ^2/NDF: 88.6/91

- sign -629.031+/-756.688 χ^2/NDF: 43.8/47



Right In: 3664.676+/-0.885 χ^2/NDF: 611314.1/18

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

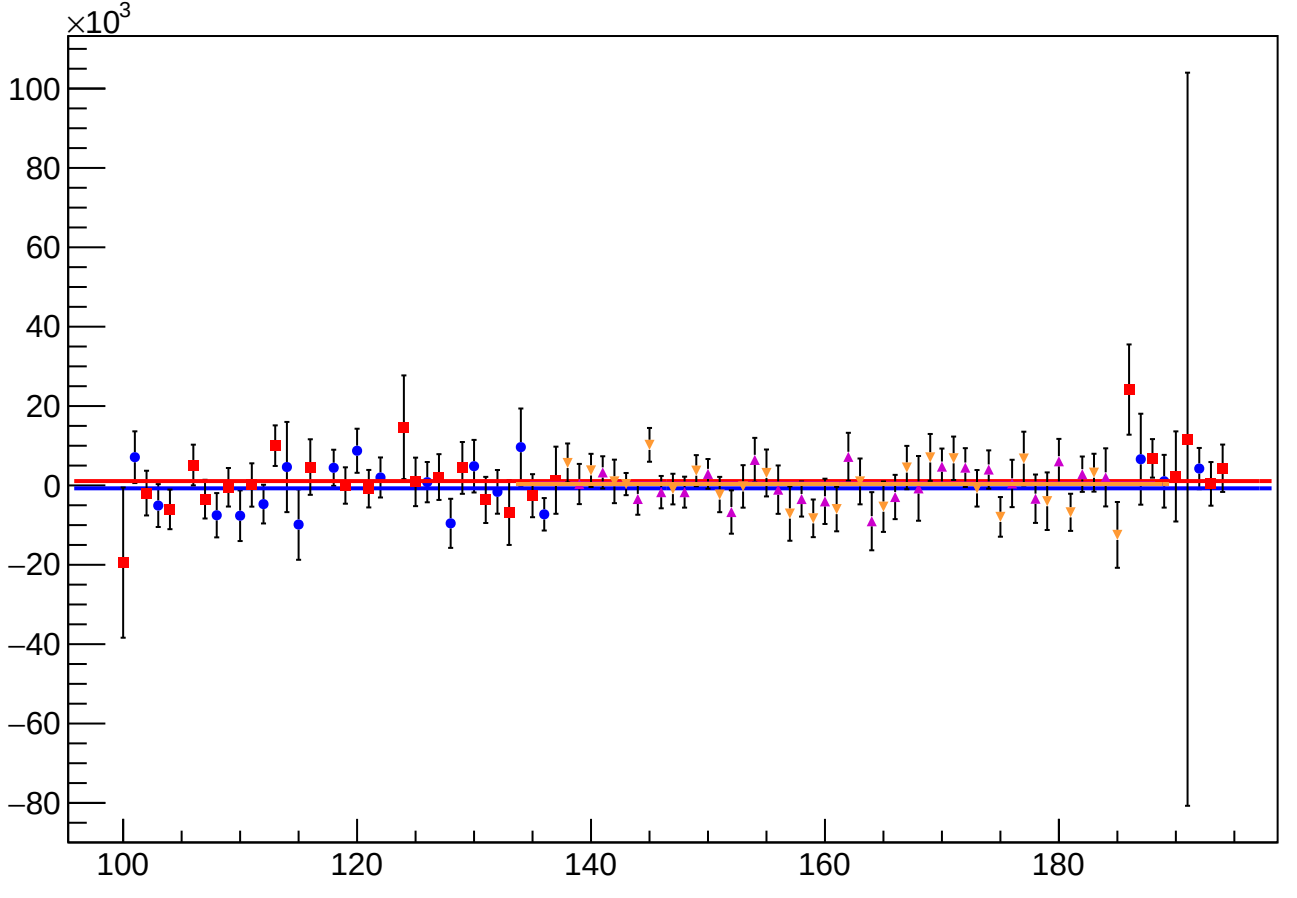
Right Out: 3504.950+/-0.775 χ^2/NDF: 1746905.4/24

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3970.327+/-0.545 χ^2/NDF: 2883969.3/43

All: 3967.911+/-0.382 χ^2/NDF: 6560144.5/91

- sign 3965.580+/-0.535 χ^2/NDF: 3676136.5/47



Right In: -733.309+/-1342.024 χ^2/NDF: 19.1/18

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1092.453+/-1213.237 χ^2/NDF: 17.9/24

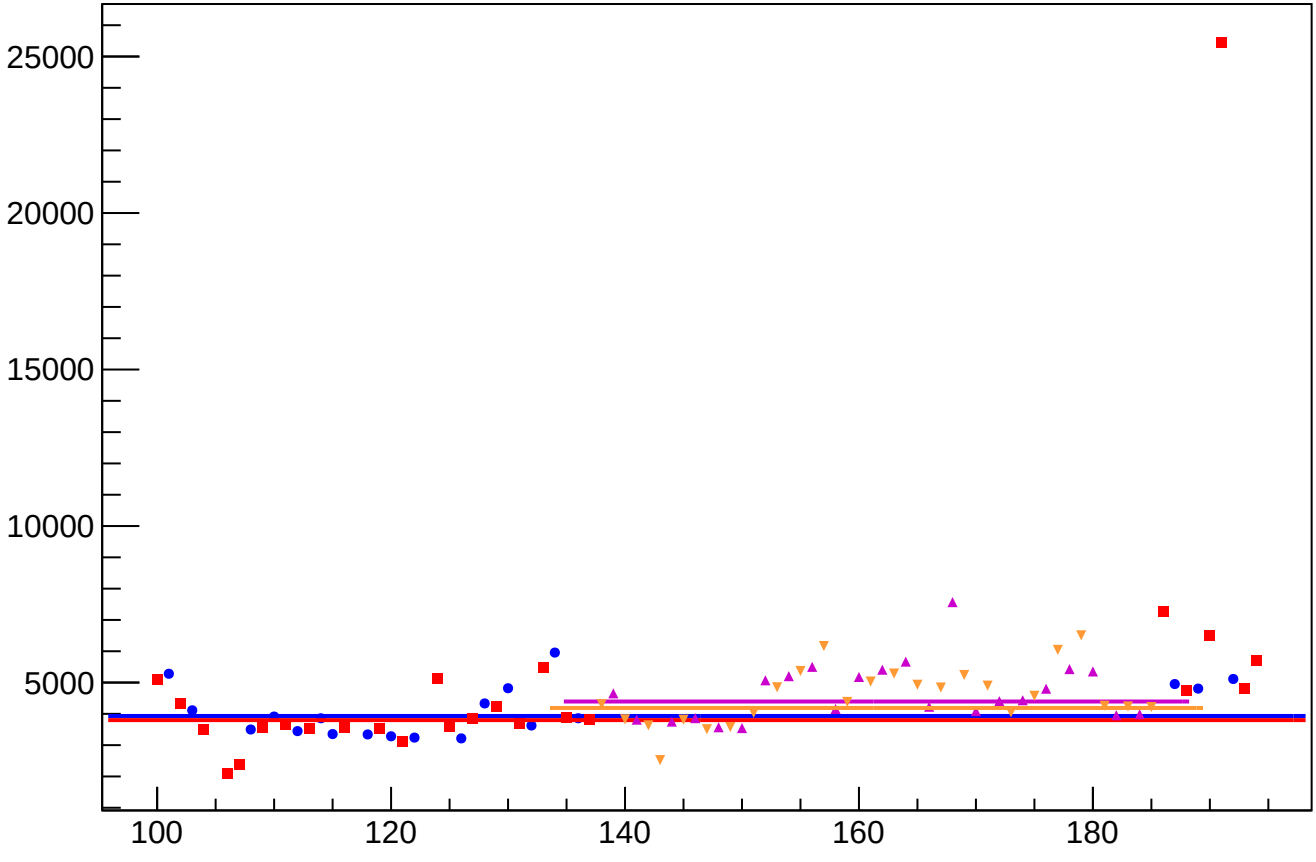
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -18.523+/-791.369 χ^2/NDF: 47.2/43

All: 366.014+/-559.683 χ^2/NDF: 79.6/91

- sign 750.829+/-791.654 χ^2/NDF: 32.0/47

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

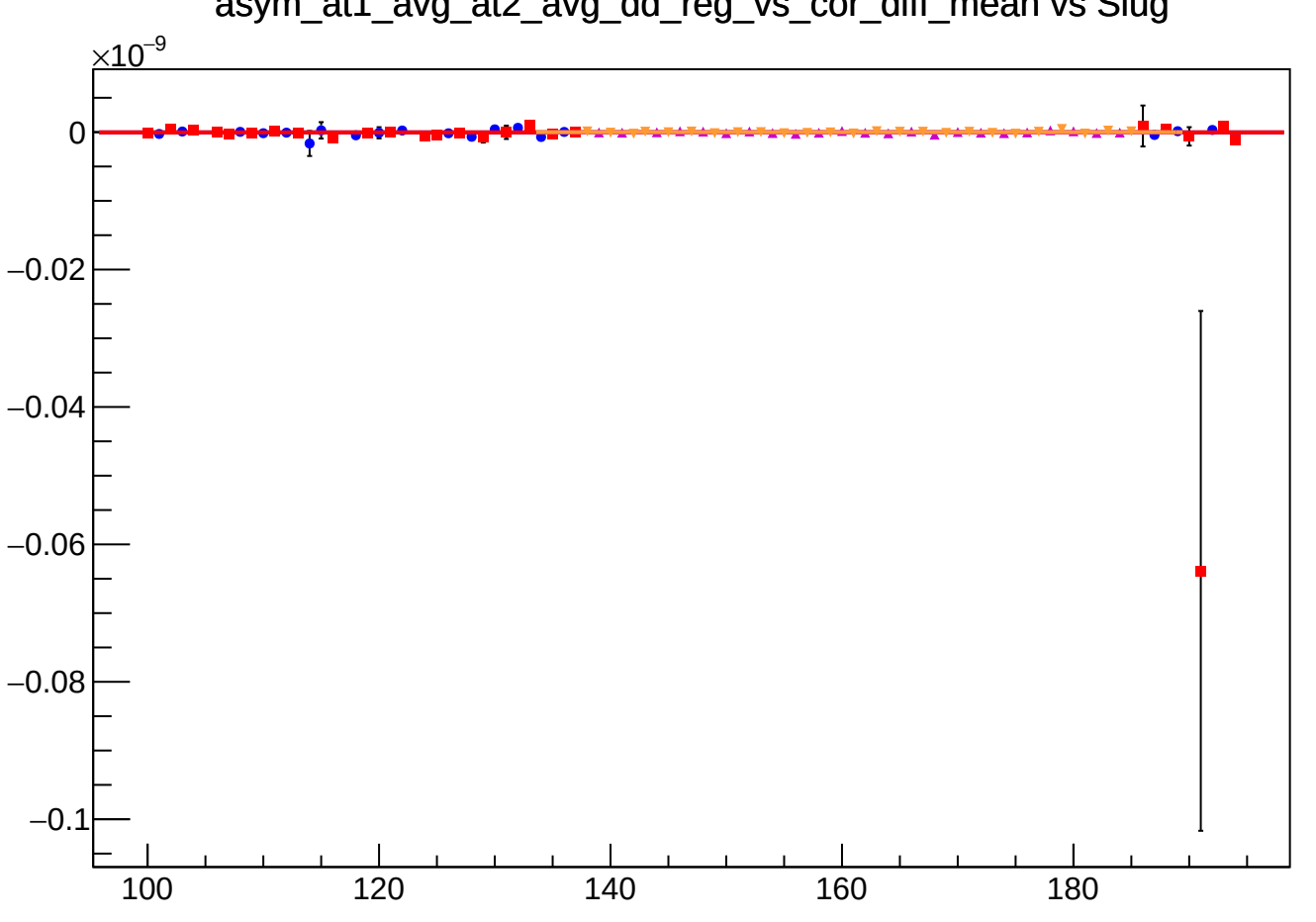
Right Out: 3799.745+/-0.848 χ^2/NDF: 1460671.5/24

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4098.918+/-0.560 χ^2/NDF: 2401731.2/43

All: 4118.478+/-0.395 χ^2/NDF: 5232660.1/91

- sign 4137.863+/-0.557 χ^2/NDF: 2828496.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

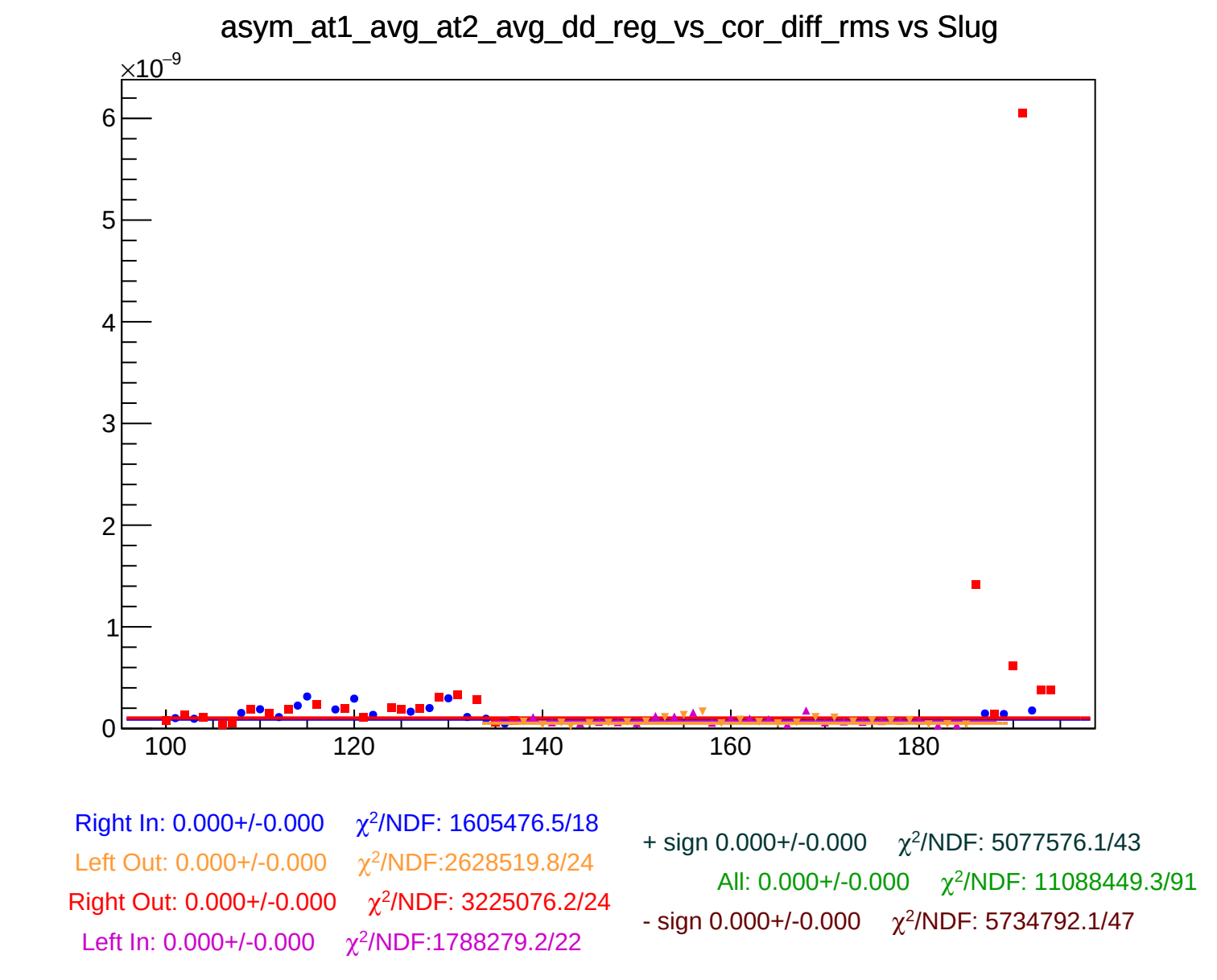
Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/24

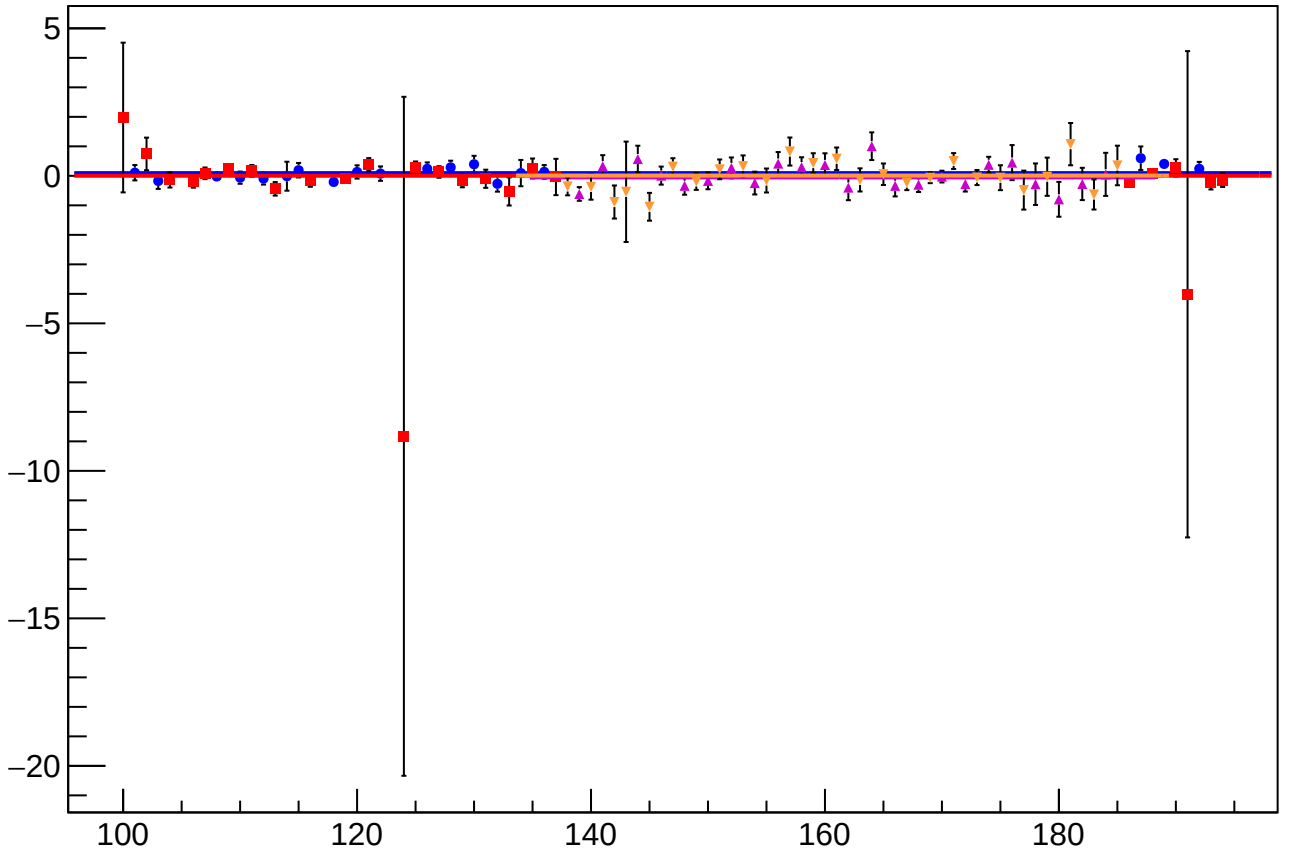
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.8/43

All: -0.000+/-0.000 χ^2/NDF: 91.8/91

- sign -0.000+/-0.000 χ^2/NDF: 42.8/47


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 1605476.5/18
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 3225076.2/24
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 5077576.1/43
All: 0.000+/-0.000 χ²/NDF: 11088449.3/91
- sign 0.000+/-0.000 χ²/NDF: 5734792.1/47



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

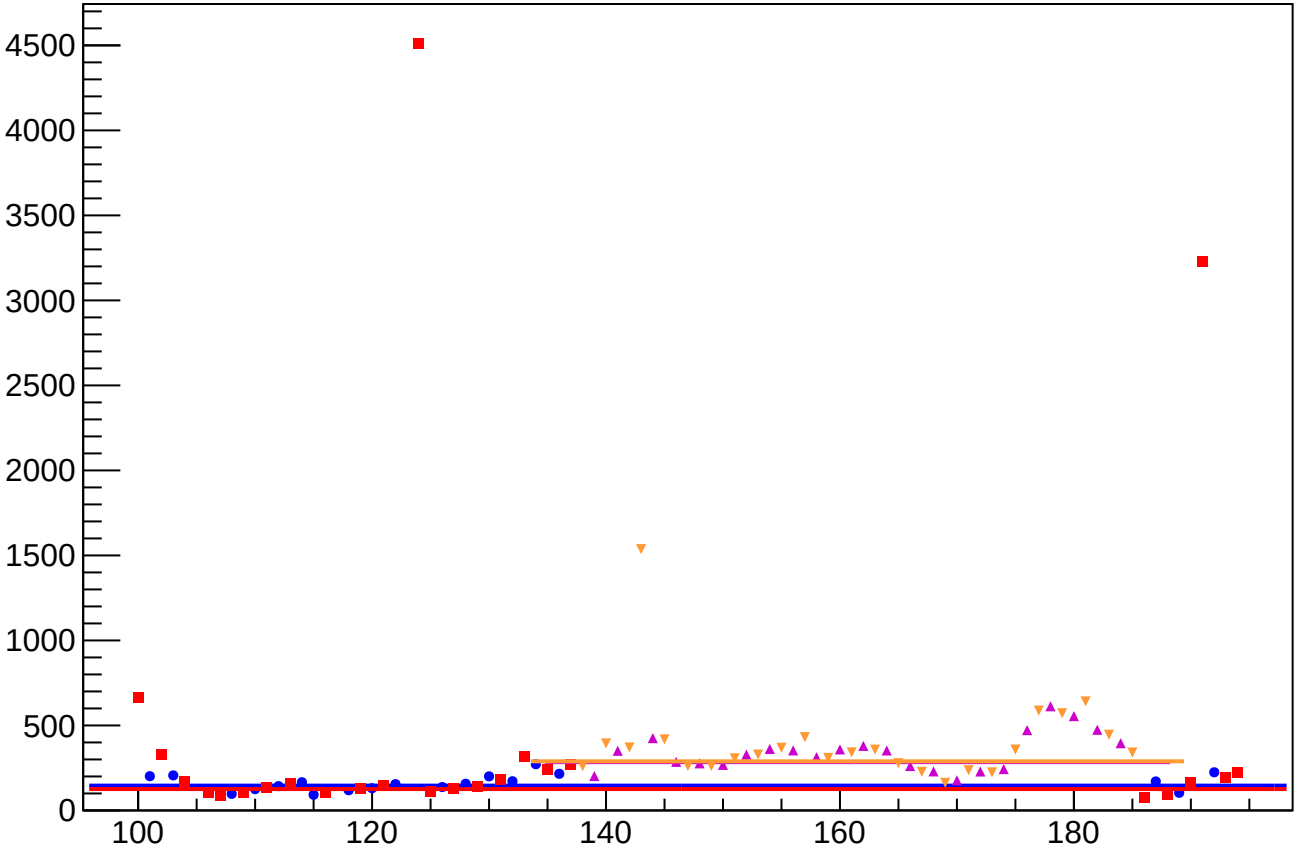
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.021+/-0.028 χ^2/NDF: 104.2/91

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 146.020+/-0.037 χ^2/NDF: 1386367.2/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

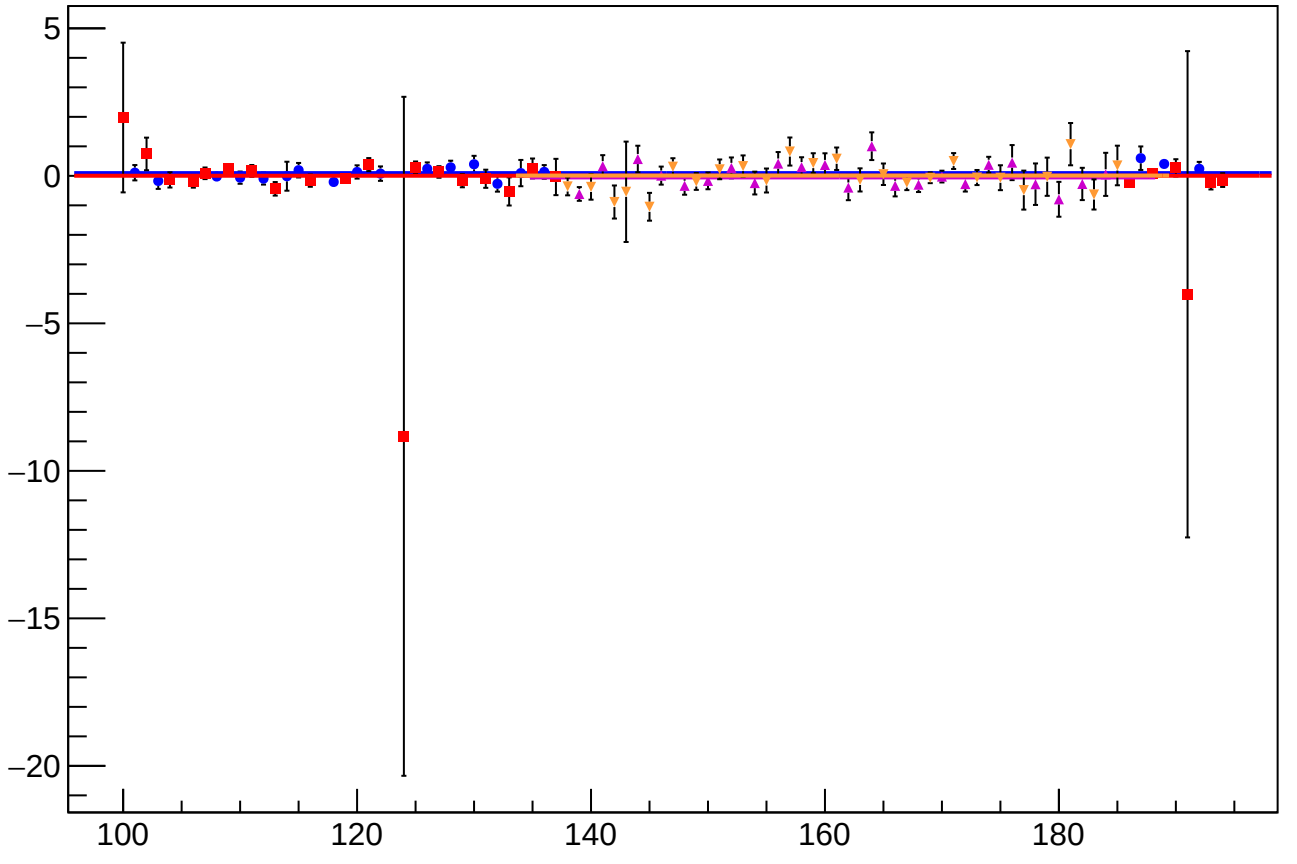
Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.023+/-0.030 χ^2/NDF: 11298805.5/43

All: 180.338+/-0.019 χ^2/NDF: 25295484.2/91

- sign 168.481+/-0.026 χ^2/NDF: 13507121.7/47



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

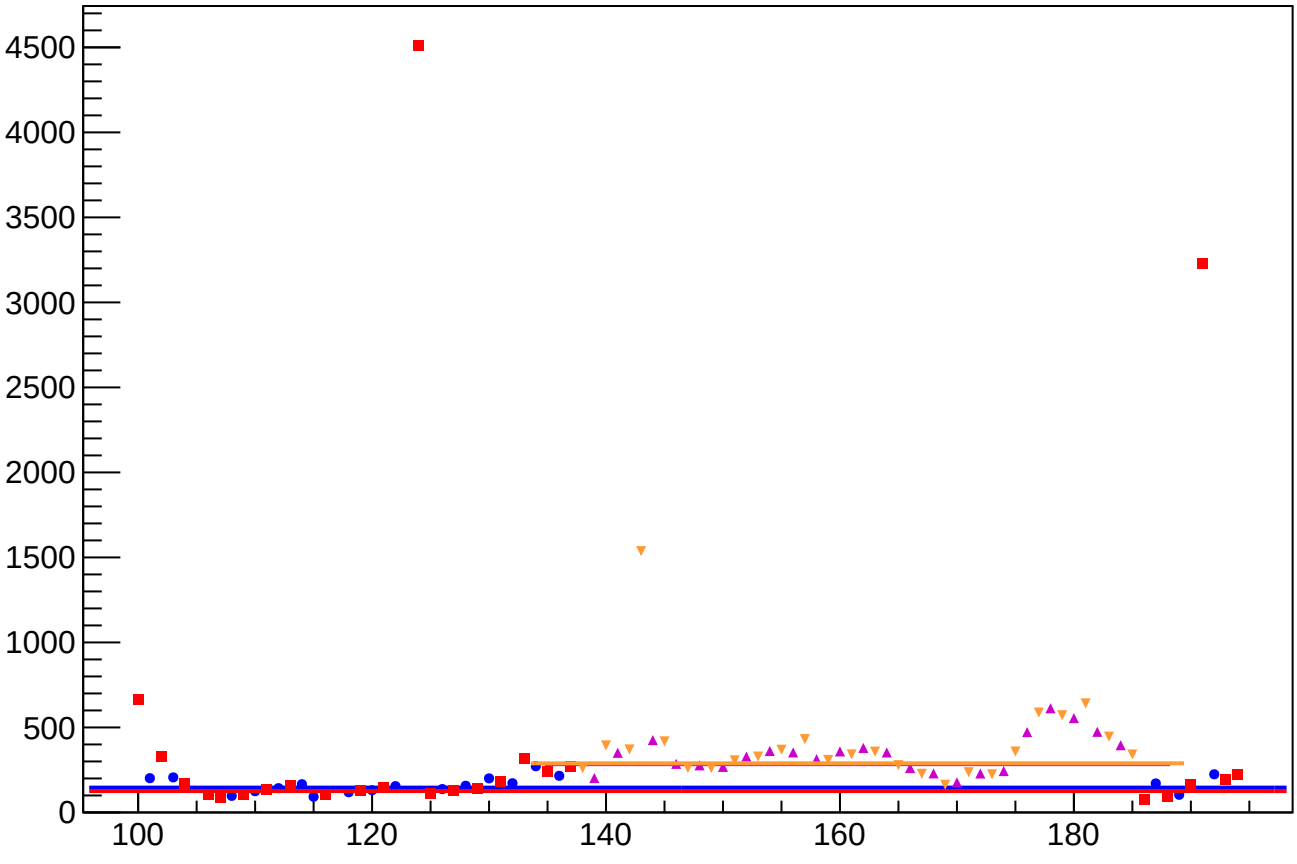
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.021+/-0.028 χ^2/NDF: 104.2/91

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47



Right In: 146.020+/-0.037 χ^2/NDF: 1386367.2/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

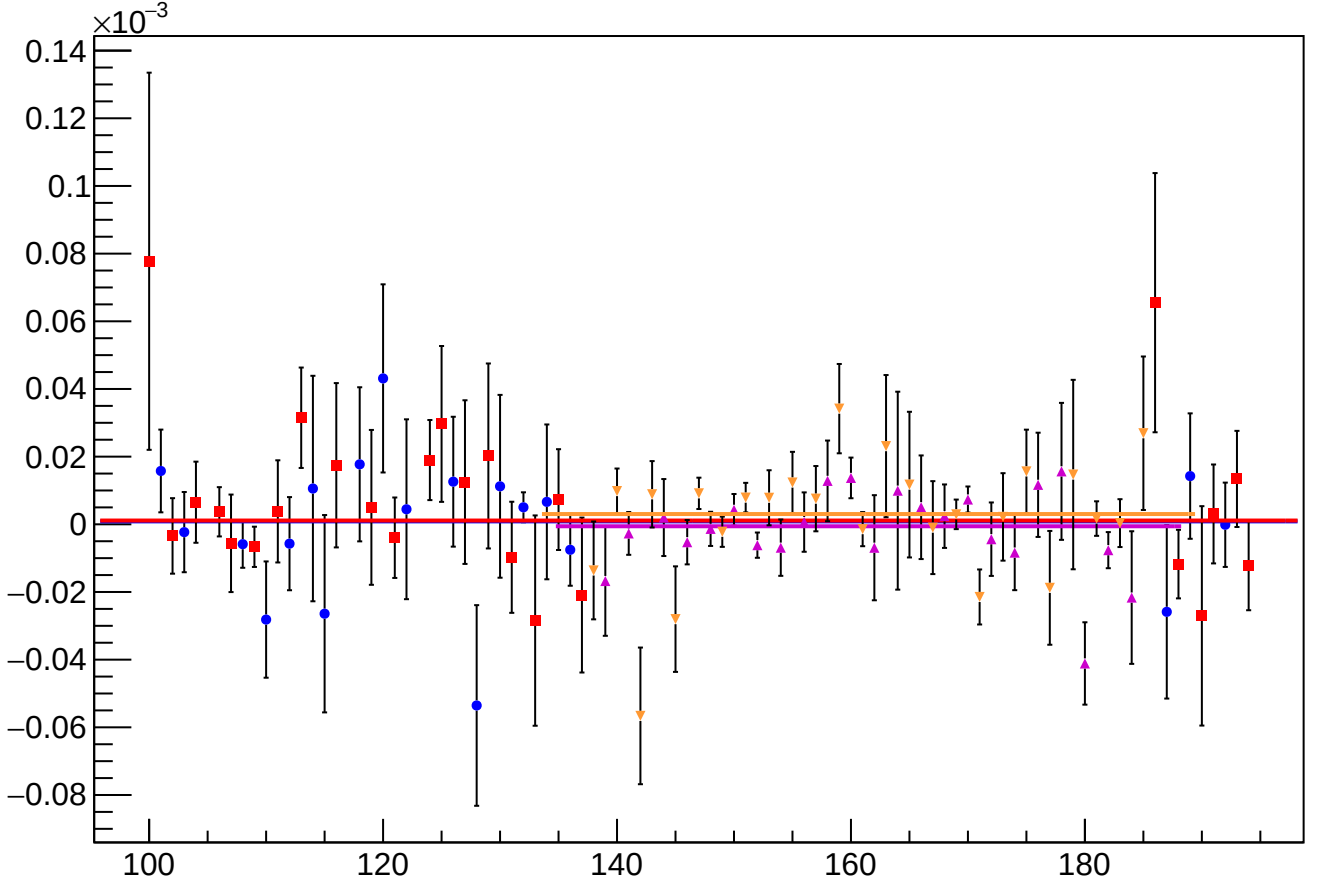
Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.023+/-0.030 χ^2/NDF: 11298805.5/43

All: 180.338+/-0.019 χ^2/NDF: 25295484.2/91

- sign 168.481+/-0.026 χ^2/NDF: 13507121.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

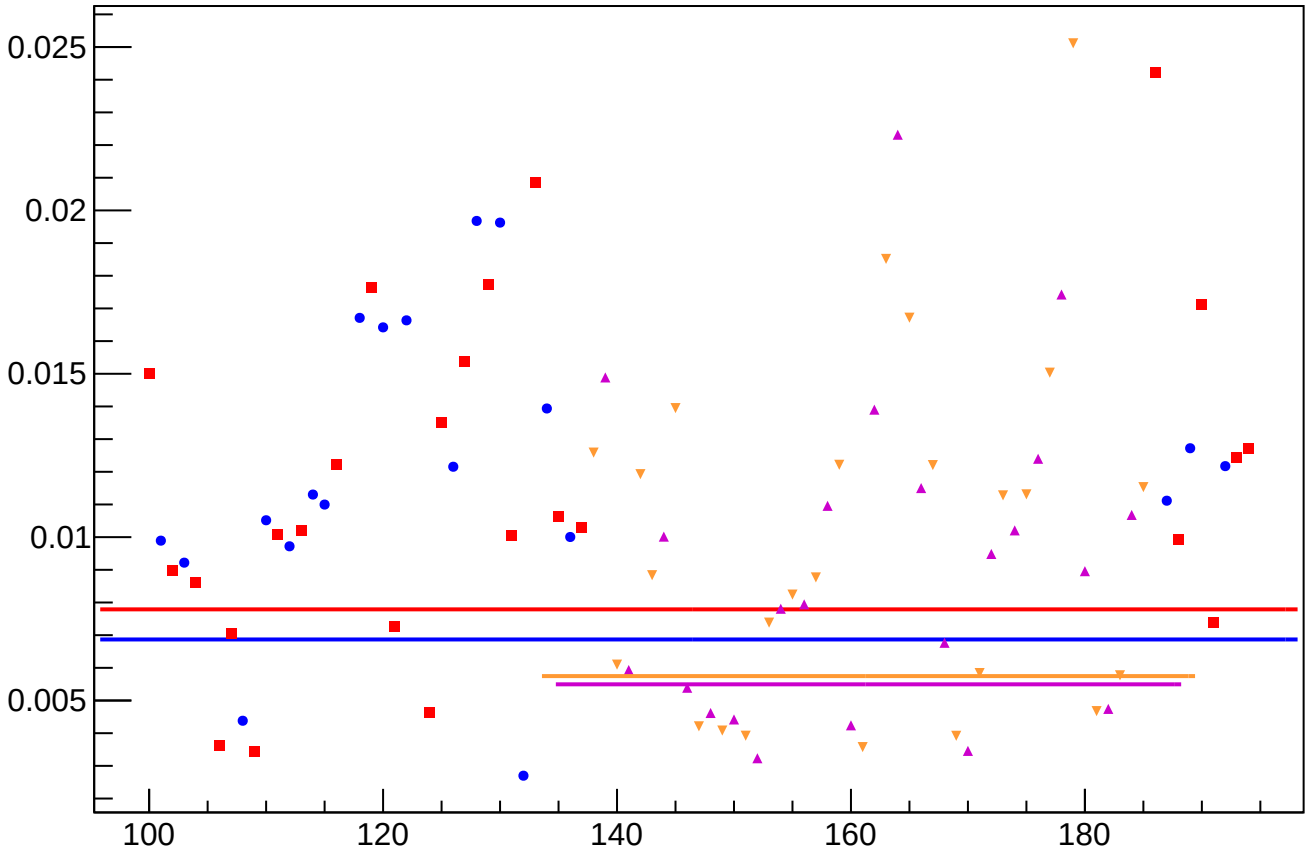
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/24

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.2/43

All: 0.000+/-0.000 χ^2/NDF: 117.8/91

- sign -0.000+/-0.000 χ^2/NDF: 56.6/47



Right In: 0.007+/-0.000 χ^2/NDF: 5313715.3/18

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

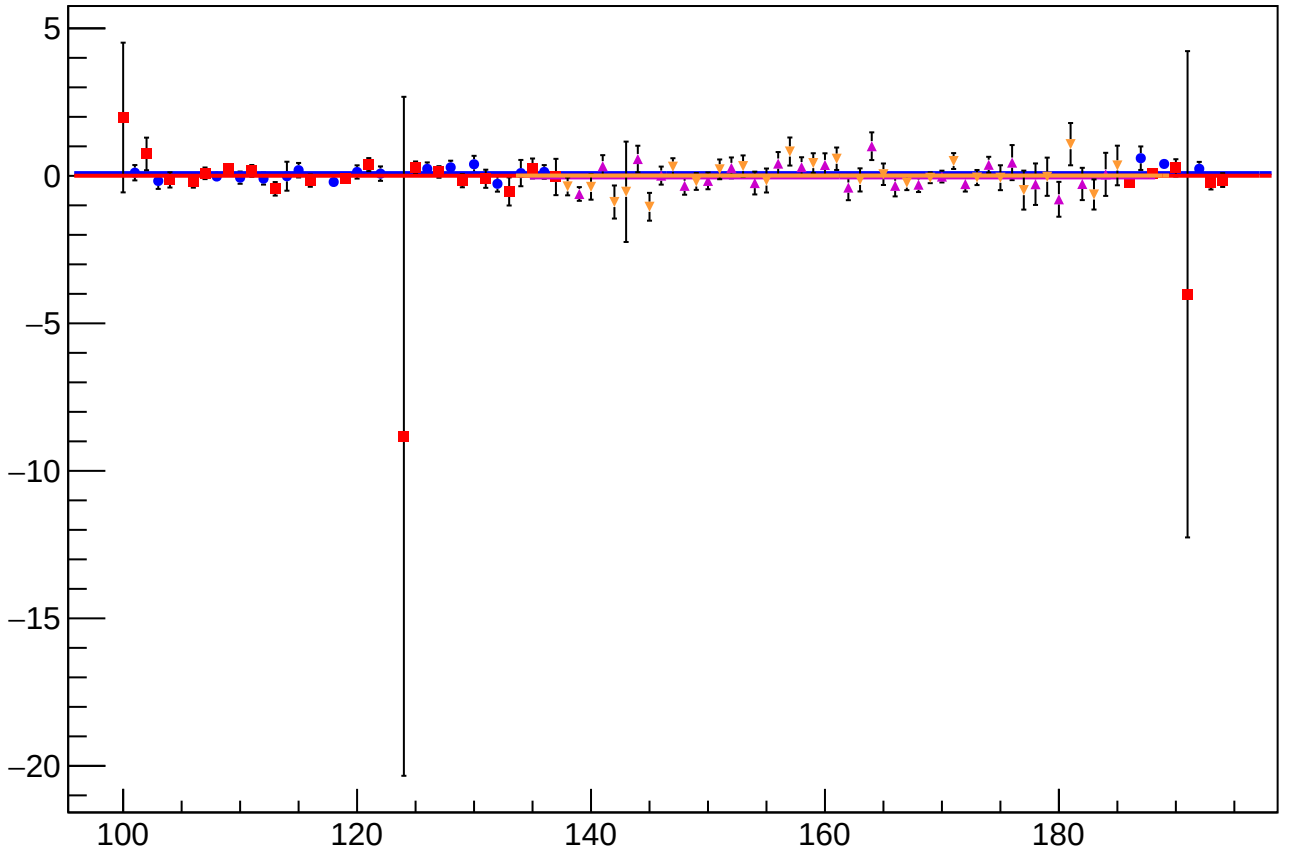
Right Out: 0.008+/-0.000 χ^2/NDF: 4671093.3/24

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 13689818.3/43

All: 0.006+/-0.000 χ^2/NDF: 26394241.9/91

- sign 0.006+/-0.000 χ^2/NDF: 12703461.0/47



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

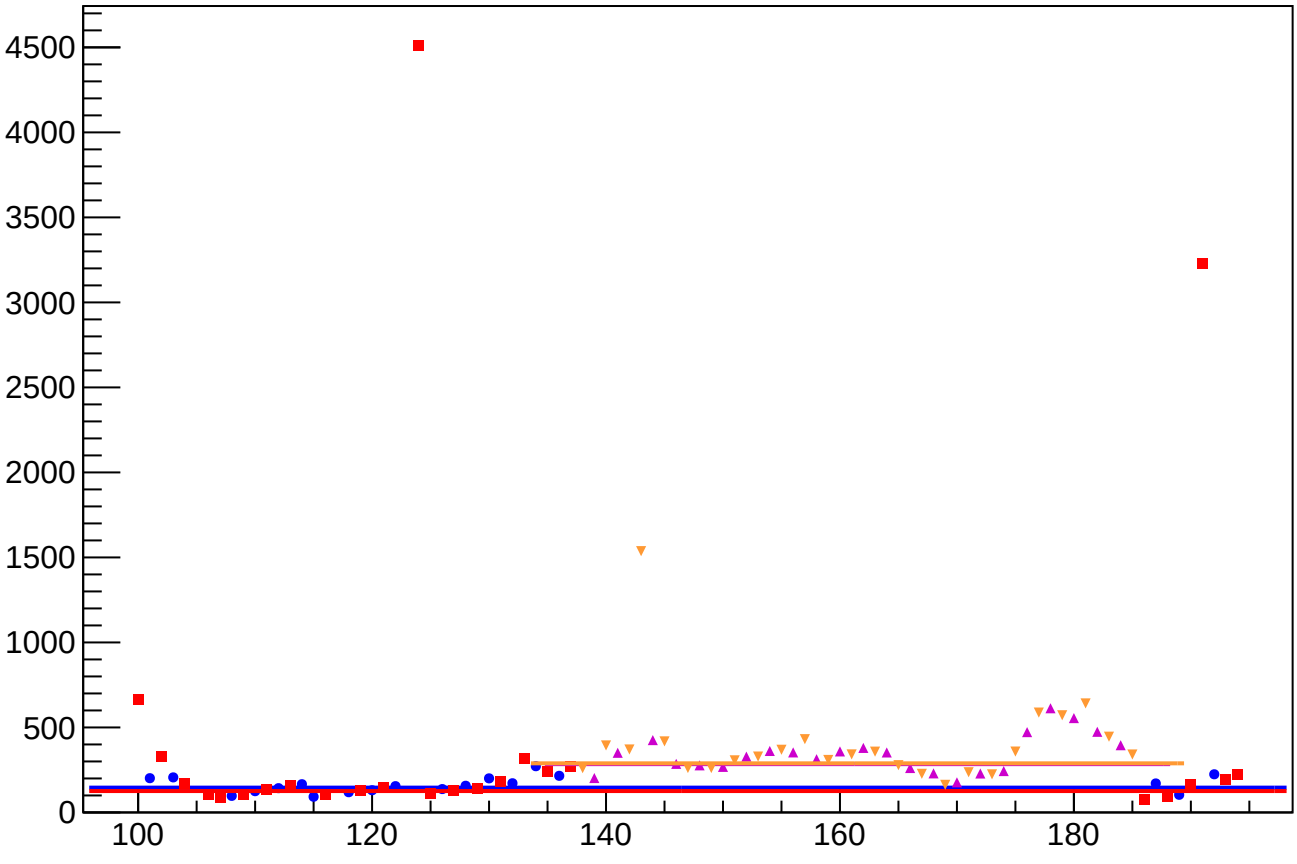
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.021+/-0.028 χ^2/NDF: 104.2/91

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47



Right In: 146.020+/-0.037 χ^2/NDF: 1386330.7/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

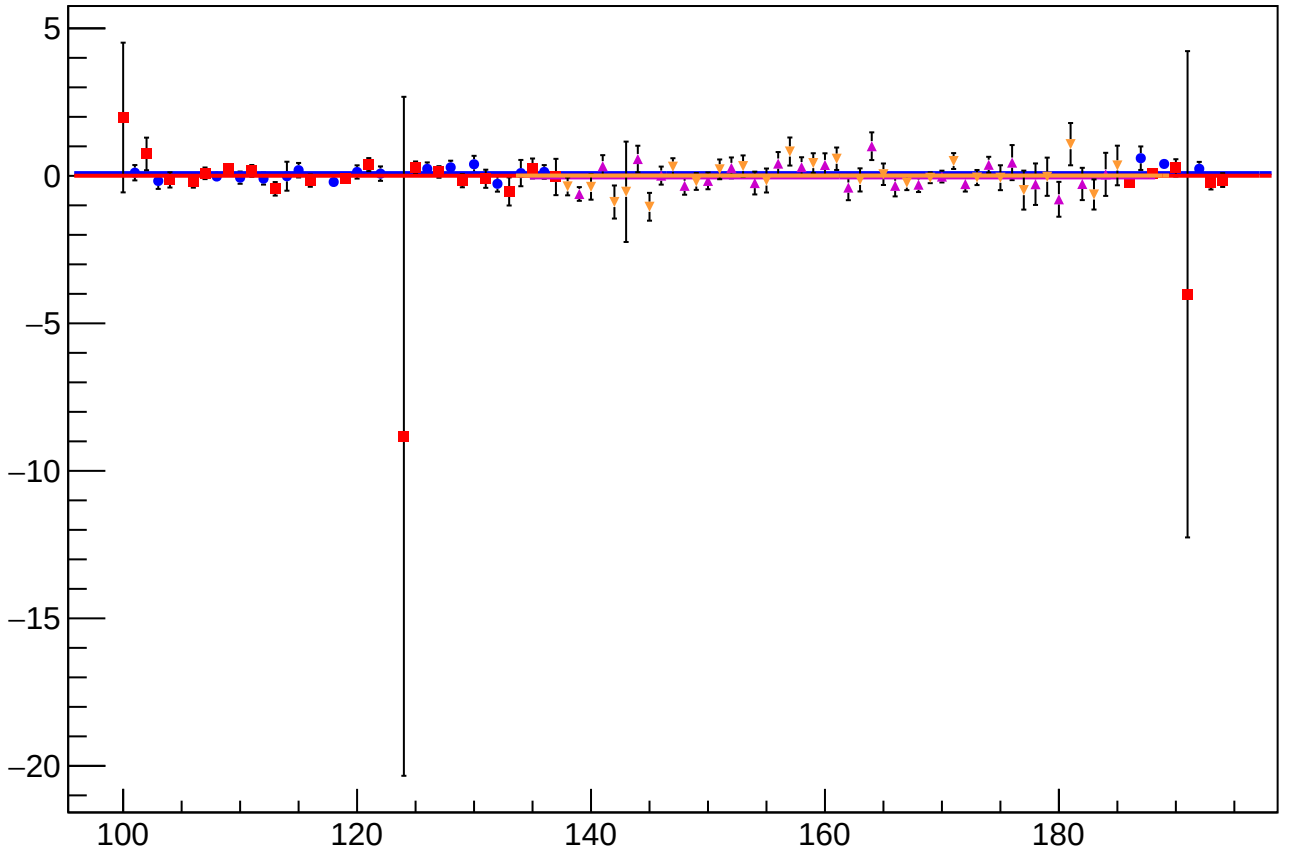
Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.022+/-0.030 χ^2/NDF: 11299012.6/43

All: 180.339+/-0.019 χ^2/NDF: 25295418.4/91

- sign 168.483+/-0.026 χ^2/NDF: 13506945.8/47



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

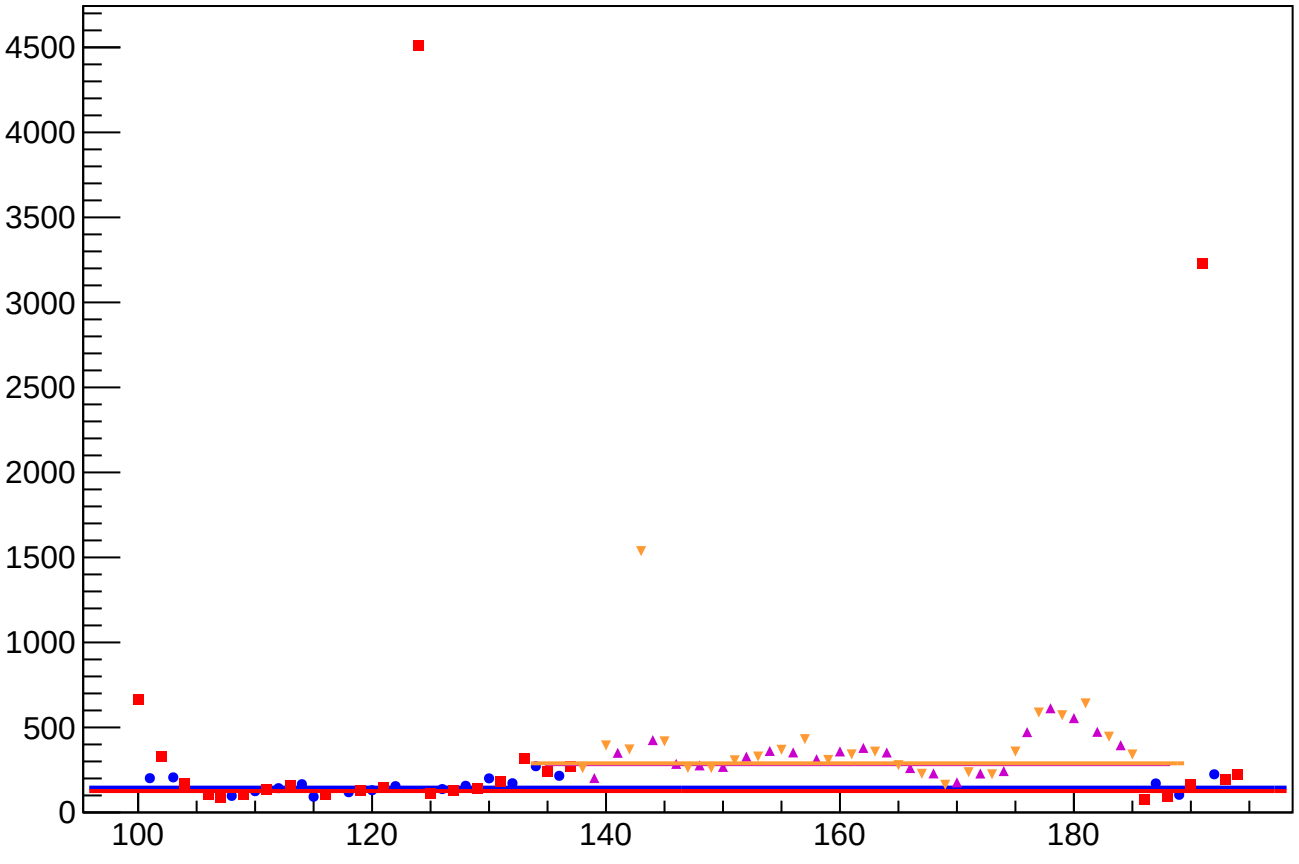
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.021+/-0.028 χ^2/NDF: 104.2/91

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47



Right In: 146.020+/-0.037 χ^2/NDF: 1386330.7/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

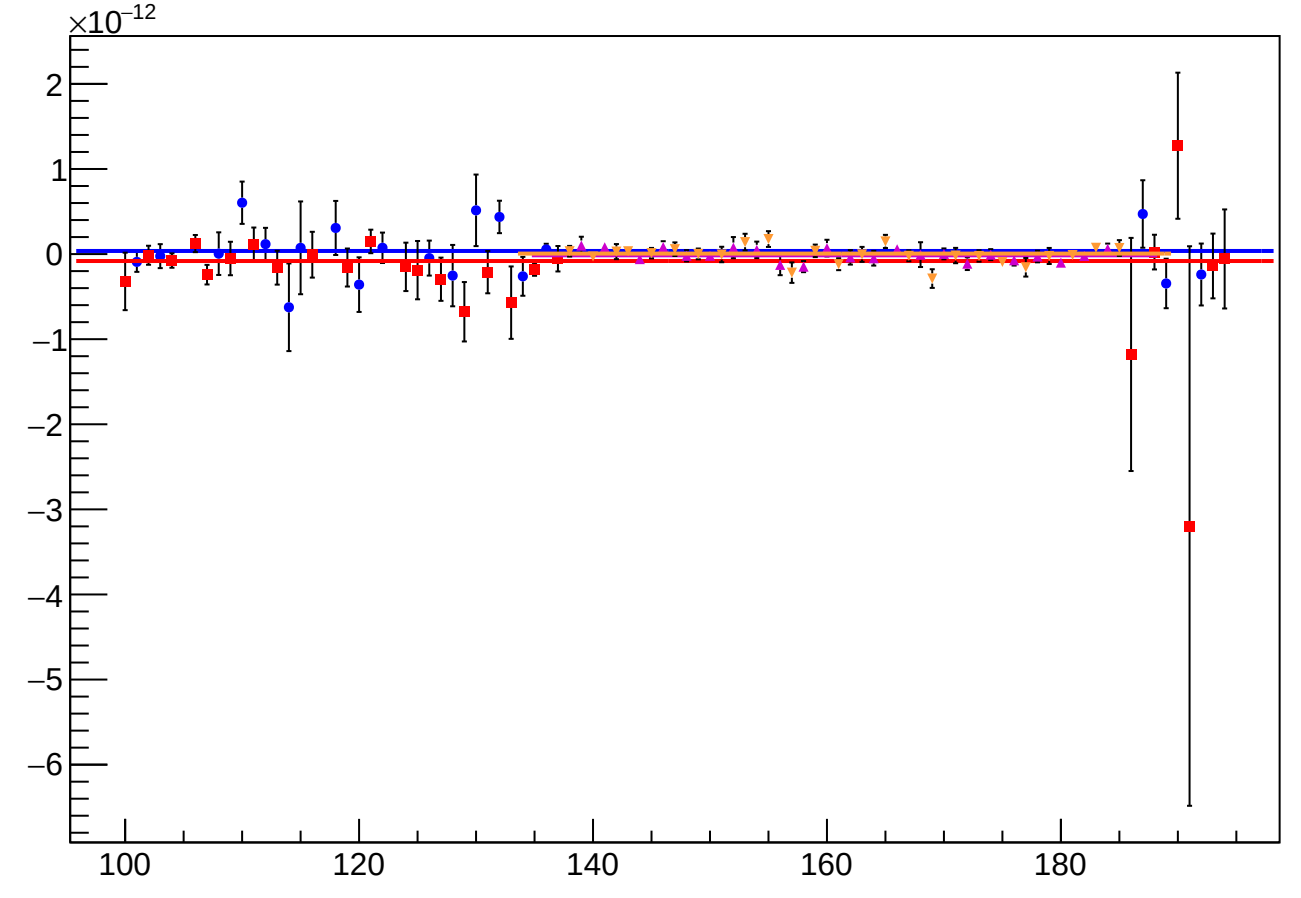
Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.022+/-0.030 χ^2/NDF: 11299012.6/43

All: 180.339+/-0.019 χ^2/NDF: 25295418.4/91

- sign 168.483+/-0.026 χ^2/NDF: 13506945.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

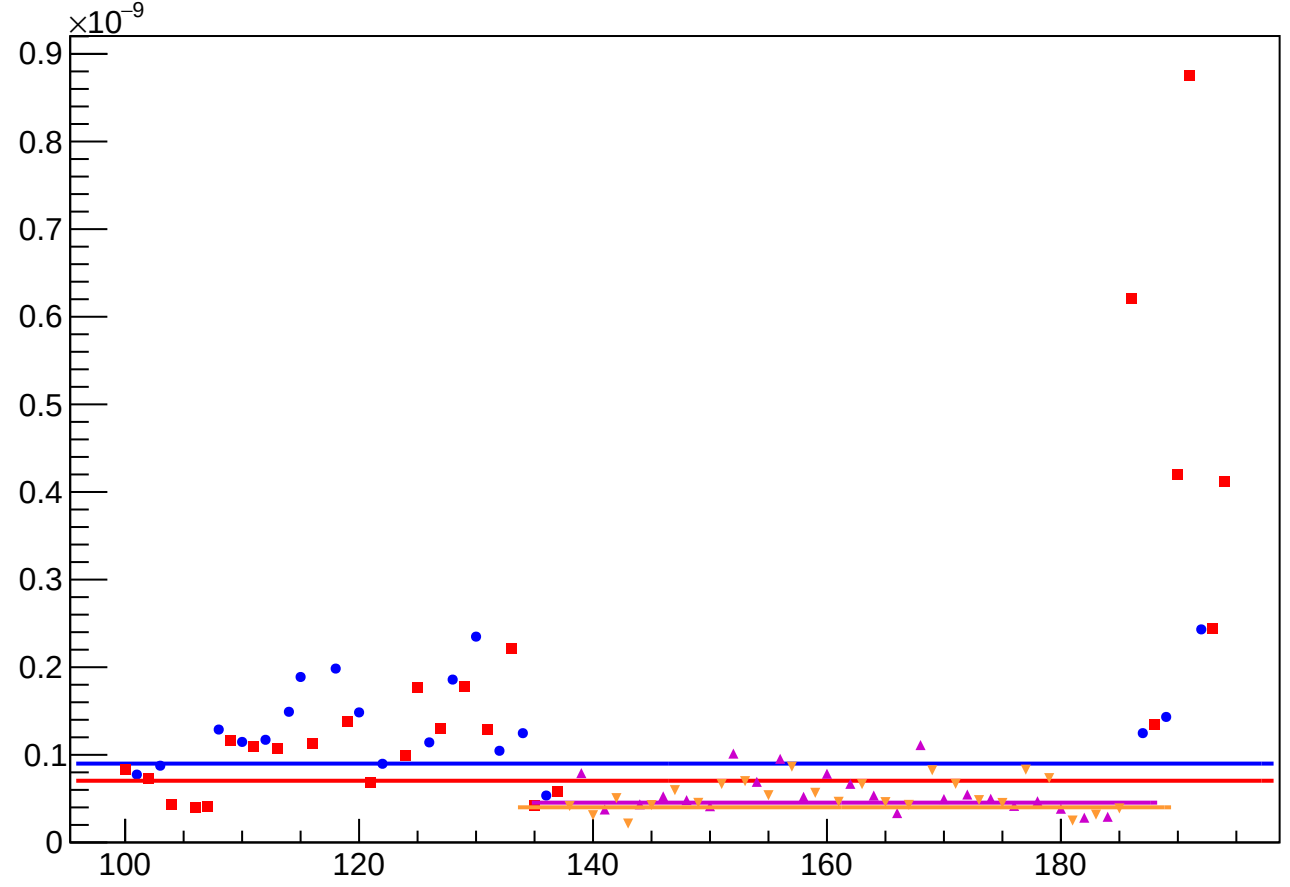
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/24

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: 109.8/91

- sign -0.000+/-0.000 χ^2/NDF: 49.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 2017506.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4282007.7/24

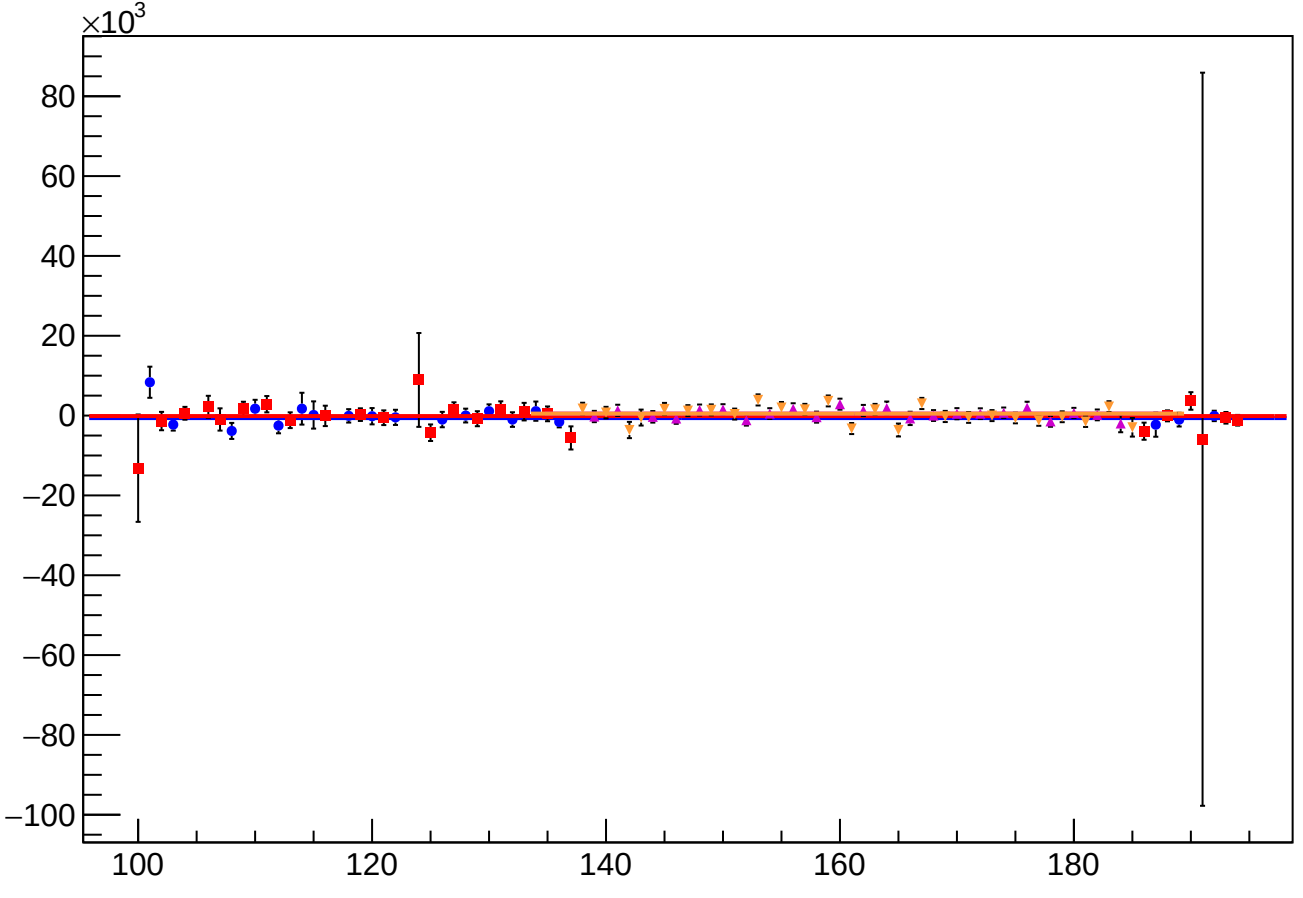
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8254510.5/43

All: 0.000+/-0.000 χ^2/NDF: 16432005.0/91

- sign 0.000+/-0.000 χ^2/NDF: 8016263.0/47

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: -122.782+/-402.054 χ^2/NDF: 22.8/24

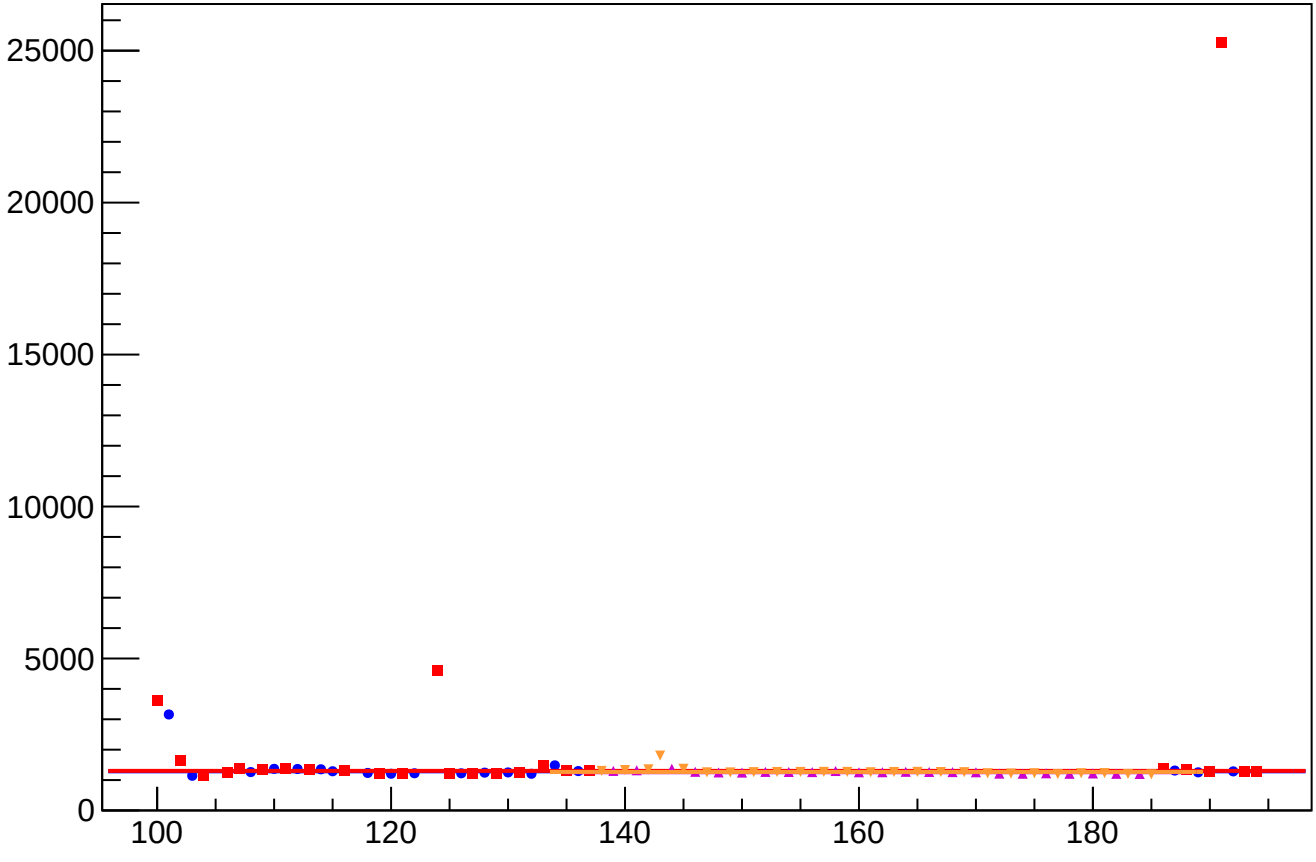
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 152.432+/-240.862 χ^2/NDF: 65.9/43

All: 214.475+/-169.005 χ^2/NDF: 104.8/91

- sign 274.644+/-237.198 χ^2/NDF: 38.7/47

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

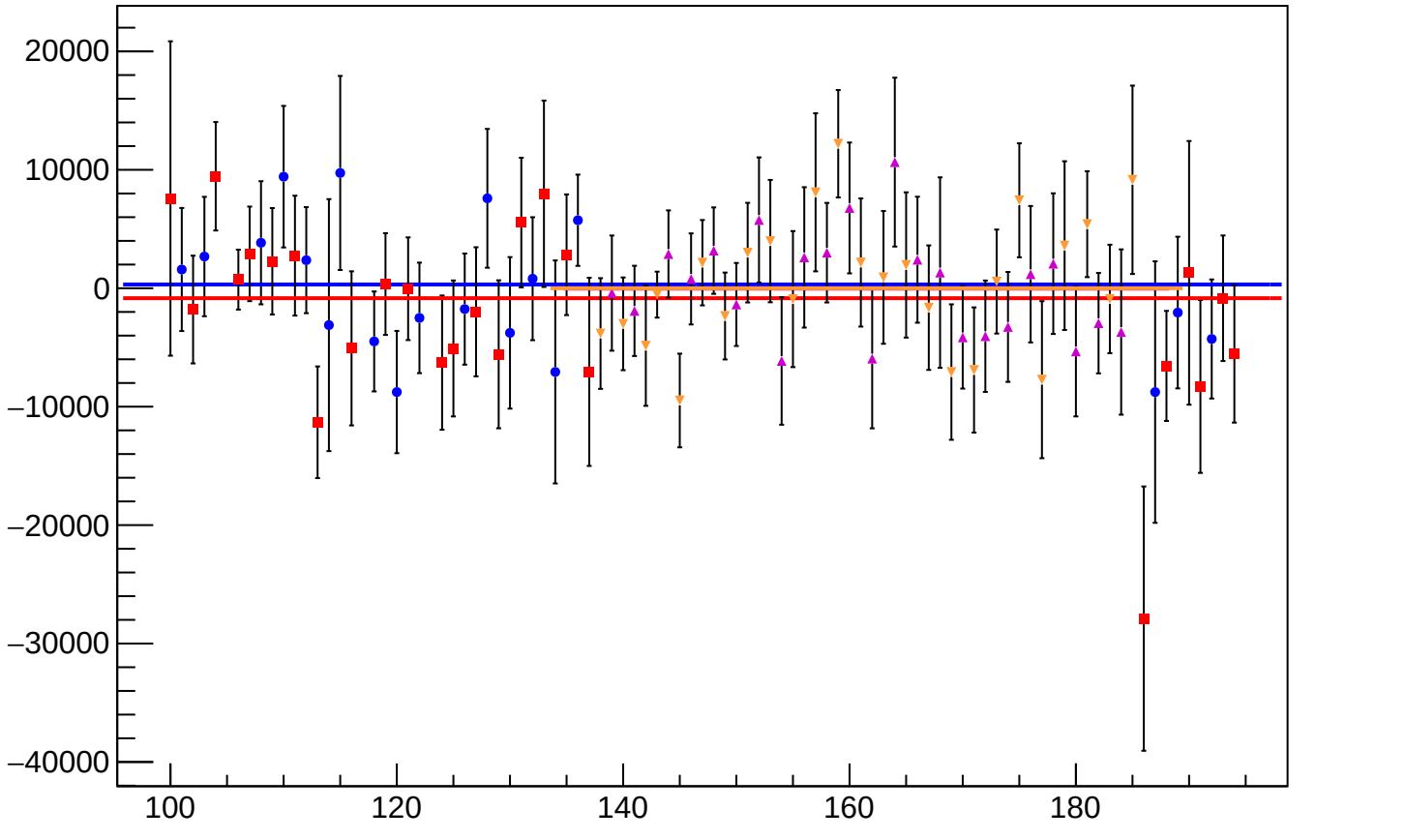
Right Out: 1302.077+/-0.284 χ^2/NDF: 465491.2/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706145.6/43

All: 1273.104+/-0.119 χ^2/NDF: 1224481.7/91

- sign 1273.085+/-0.168 χ^2/NDF: 518336.0/47



Right In: 317.922+/-1248.509 χ^2/NDF: 15.9/18

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

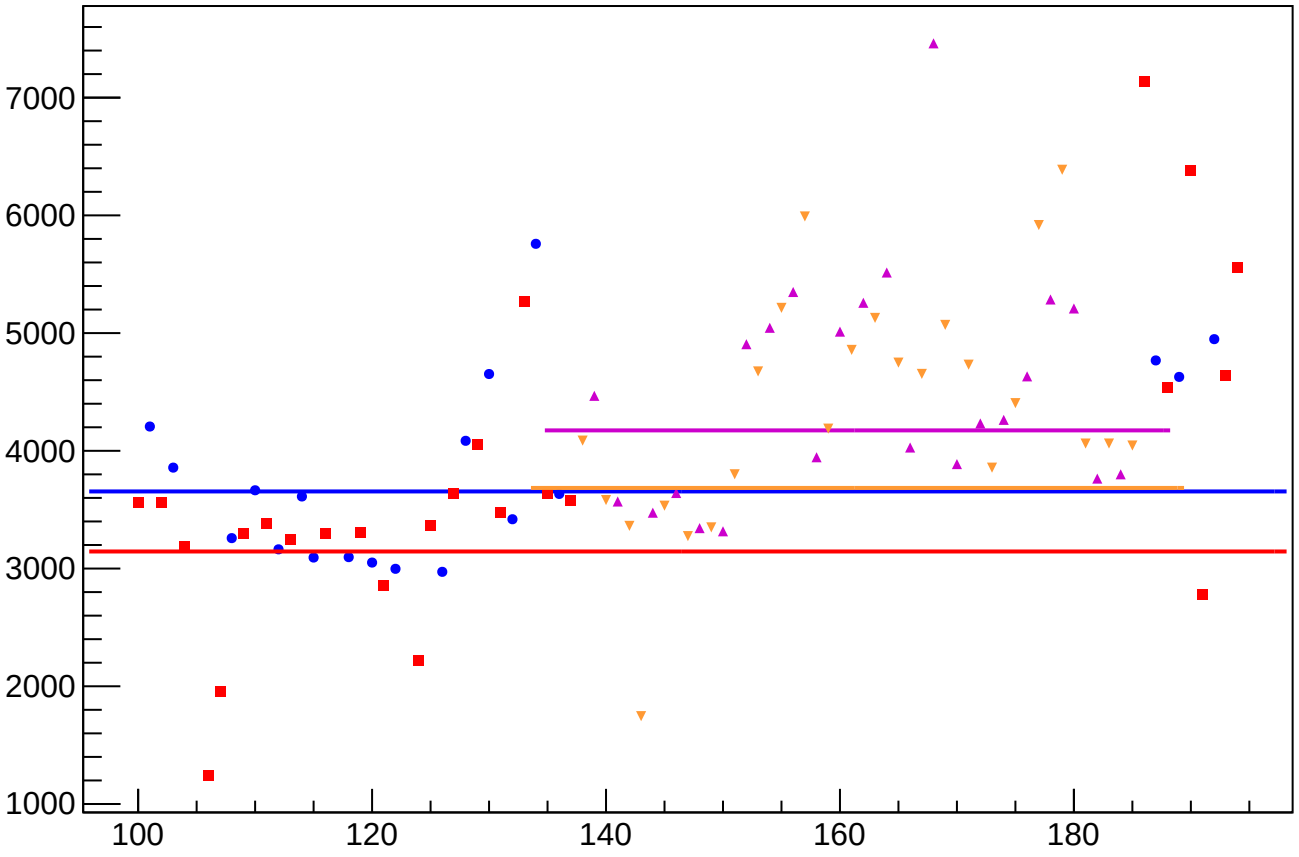
Right Out: -841.152+/-1022.496 χ^2/NDF: 28.2/24

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 106.157+/-722.814 χ^2/NDF: 45.0/43

All: -163.214+/-507.682 χ^2/NDF: 87.8/91

- sign -425.483+/-713.222 χ^2/NDF: 42.5/47



Right In: 3655.027+/-0.883 χ^2/NDF: 577740.2/18

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

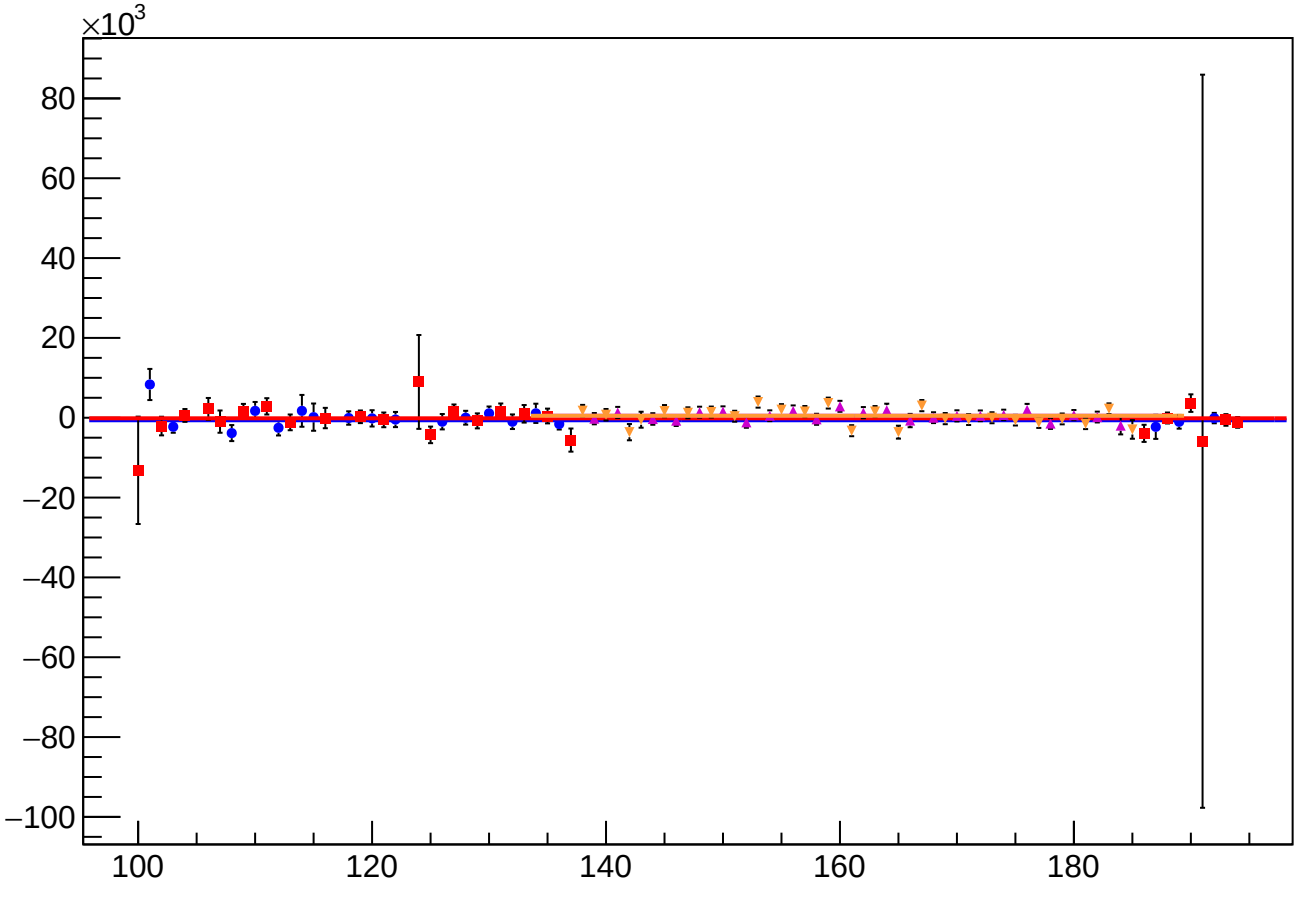
Right Out: 3144.971+/-0.723 χ^2/NDF: 2757144.2/24

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3674.800+/-0.511 χ^2/NDF: 4272141.3/43

All: 3673.938+/-0.359 χ^2/NDF: 9343430.2/91

- sign 3673.099+/-0.504 χ^2/NDF: 5071283.3/47



Right In: -629.317+/-437.603 χ^2/NDF: 14.4/18

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -142.652+/-402.235 χ^2/NDF: 23.2/24

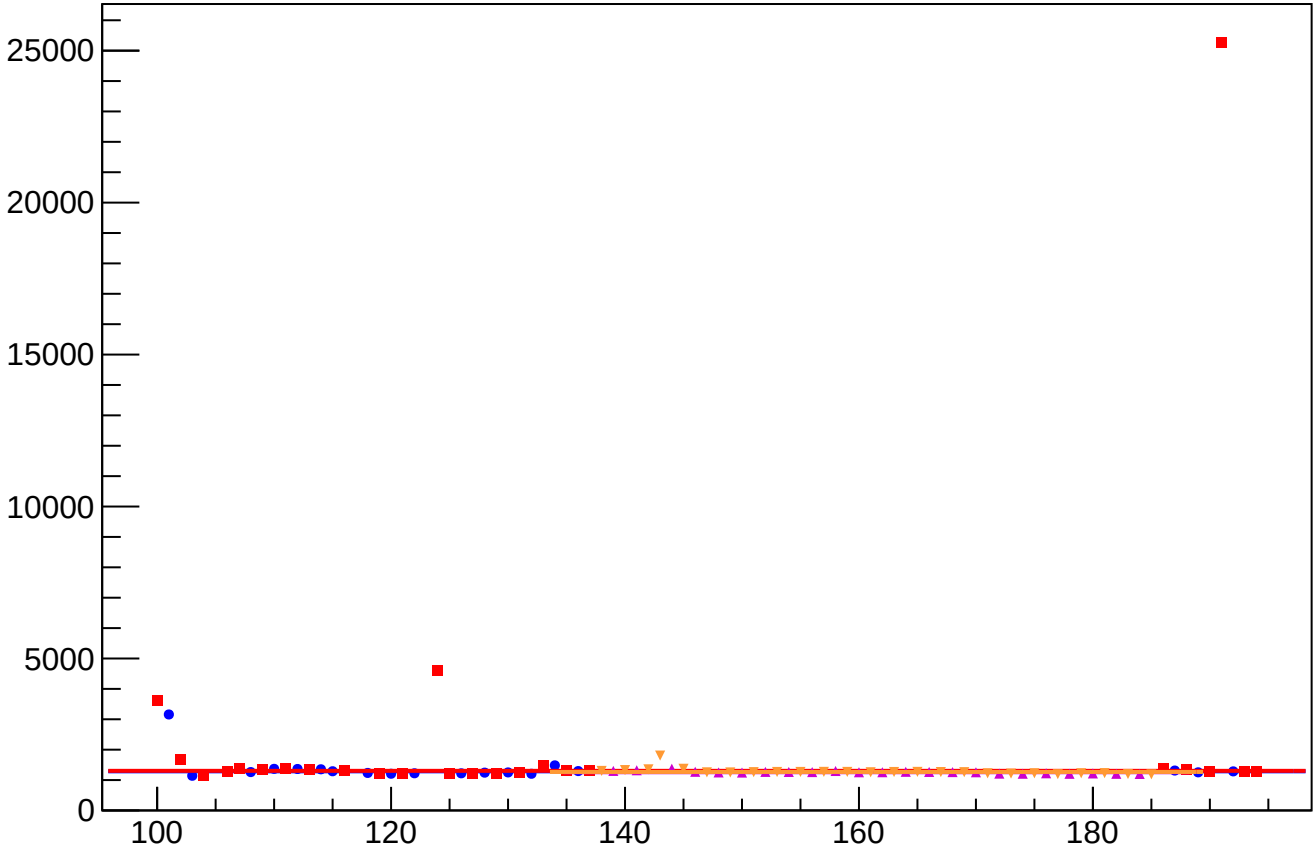
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 210.945+/-169.018 χ^2/NDF: 105.2/91

- sign 267.791+/-237.235 χ^2/NDF: 39.2/47

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

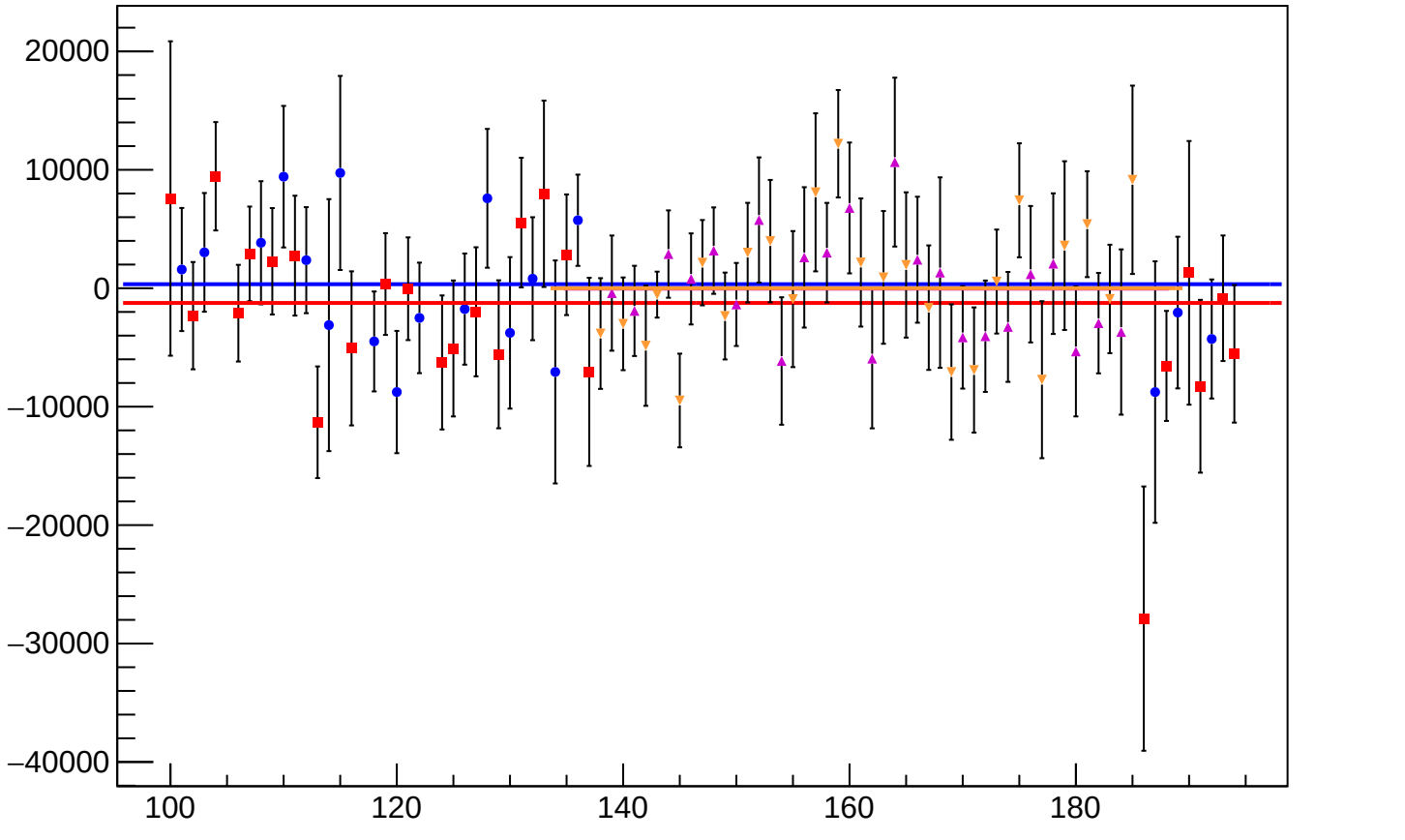
Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.339+/-0.119 χ^2/NDF: 1231904.4/91

- sign 1273.548+/-0.168 χ^2/NDF: 525754.2/47



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

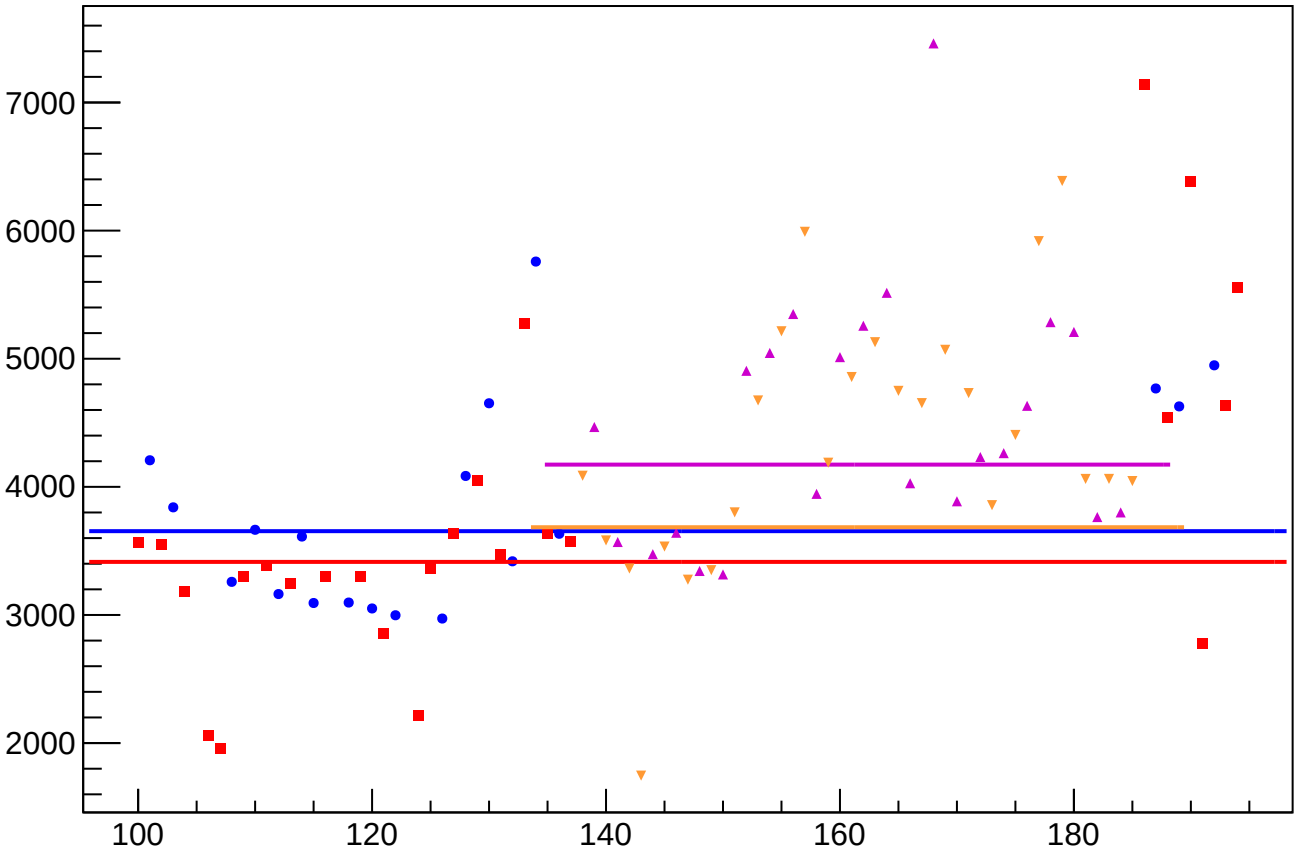
Right Out: -1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 114.011+/-722.740 χ^2/NDF: 45.0/43

All: -233.442+/-514.034 χ^2/NDF: 88.0/91

- sign -589.117+/-731.242 χ^2/NDF: 42.5/47



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

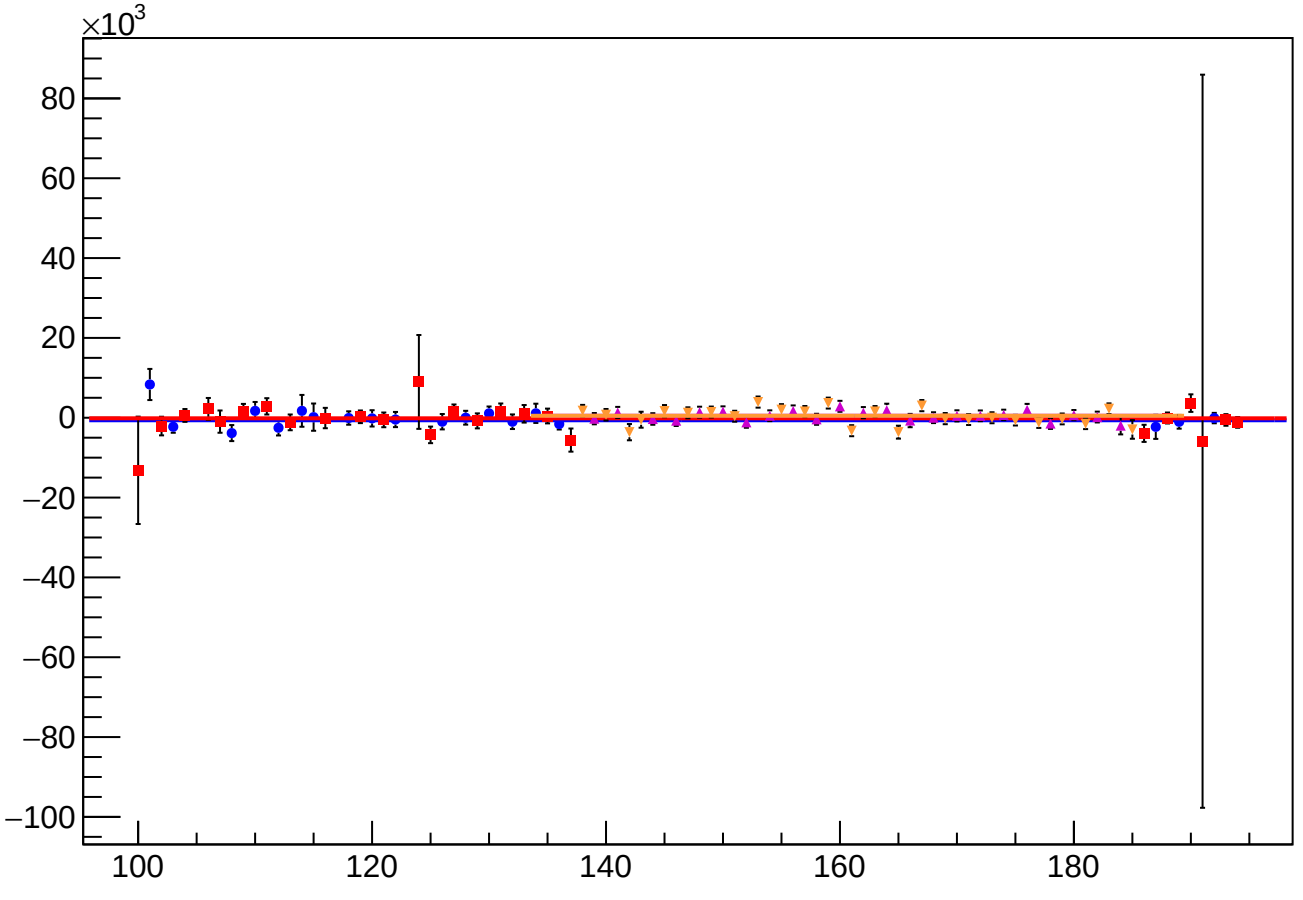
Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3748.406+/-0.363 χ^2/NDF: 7764564.0/91

- sign 3824.071+/-0.517 χ^2/NDF: 3450419.9/47



Right In: -629.317+/-437.603 χ^2/NDF: 14.4/18

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -142.652+/-402.235 χ^2/NDF: 23.2/24

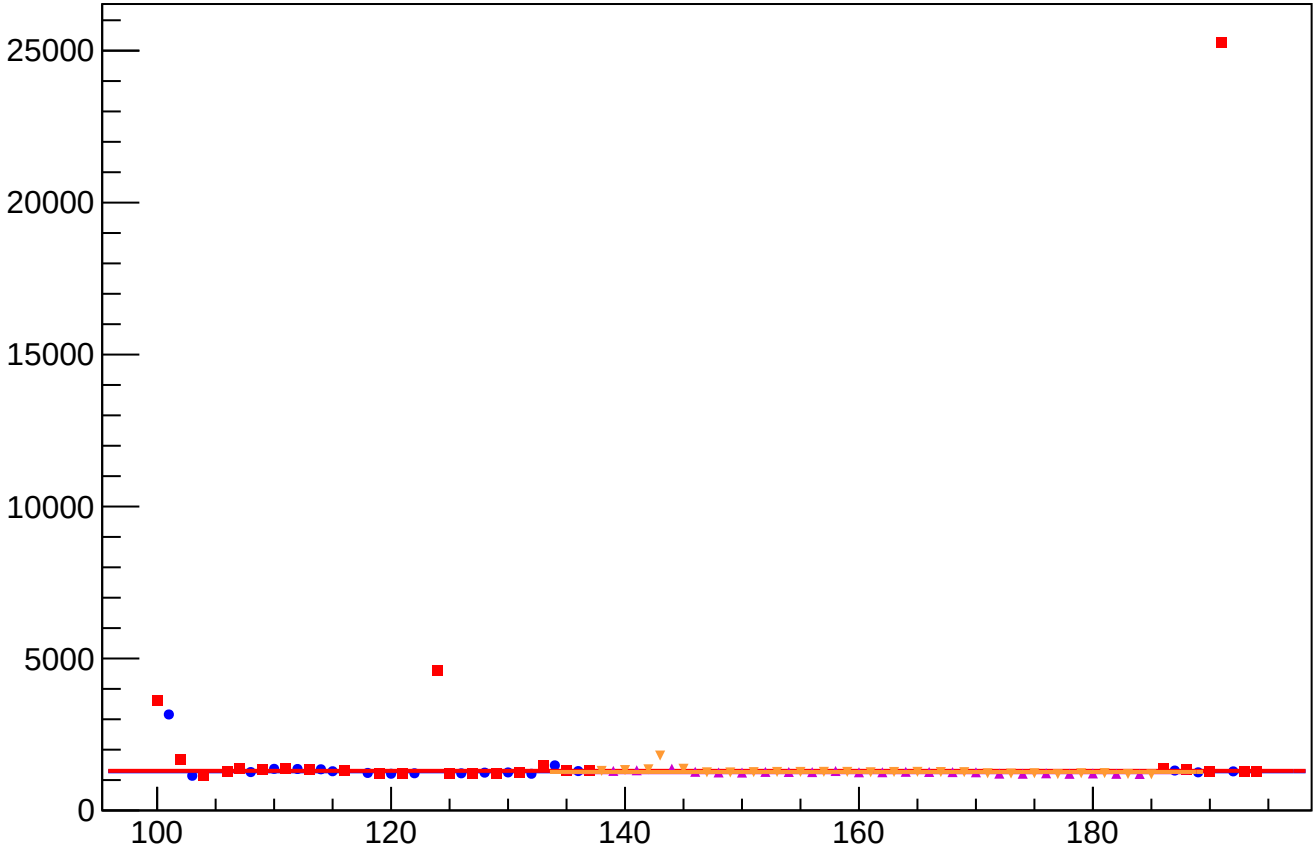
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 152.347+/-240.862 χ^2/NDF: 65.9/43

All: 210.945+/-169.018 χ^2/NDF: 105.2/91

- sign 267.791+/-237.235 χ^2/NDF: 39.2/47

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

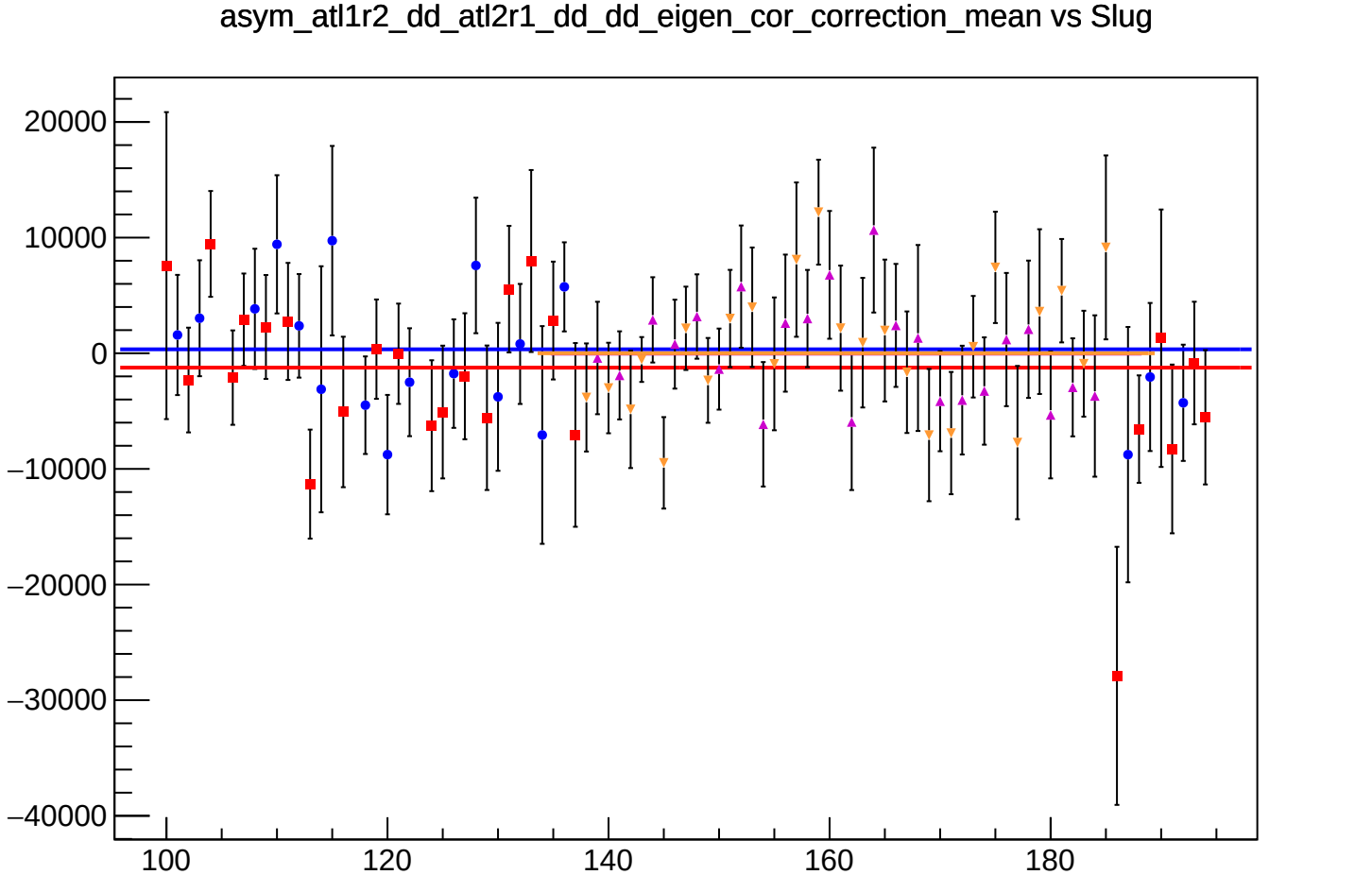
Right Out: 1303.463+/-0.284 χ^2/NDF: 471917.6/24

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.124+/-0.170 χ^2/NDF: 706147.0/43

All: 1273.339+/-0.119 χ^2/NDF: 1231904.4/91

- sign 1273.548+/-0.168 χ^2/NDF: 525754.2/47



Right In: 341.091+/-1248.128 χ^2/NDF: 15.9/18

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

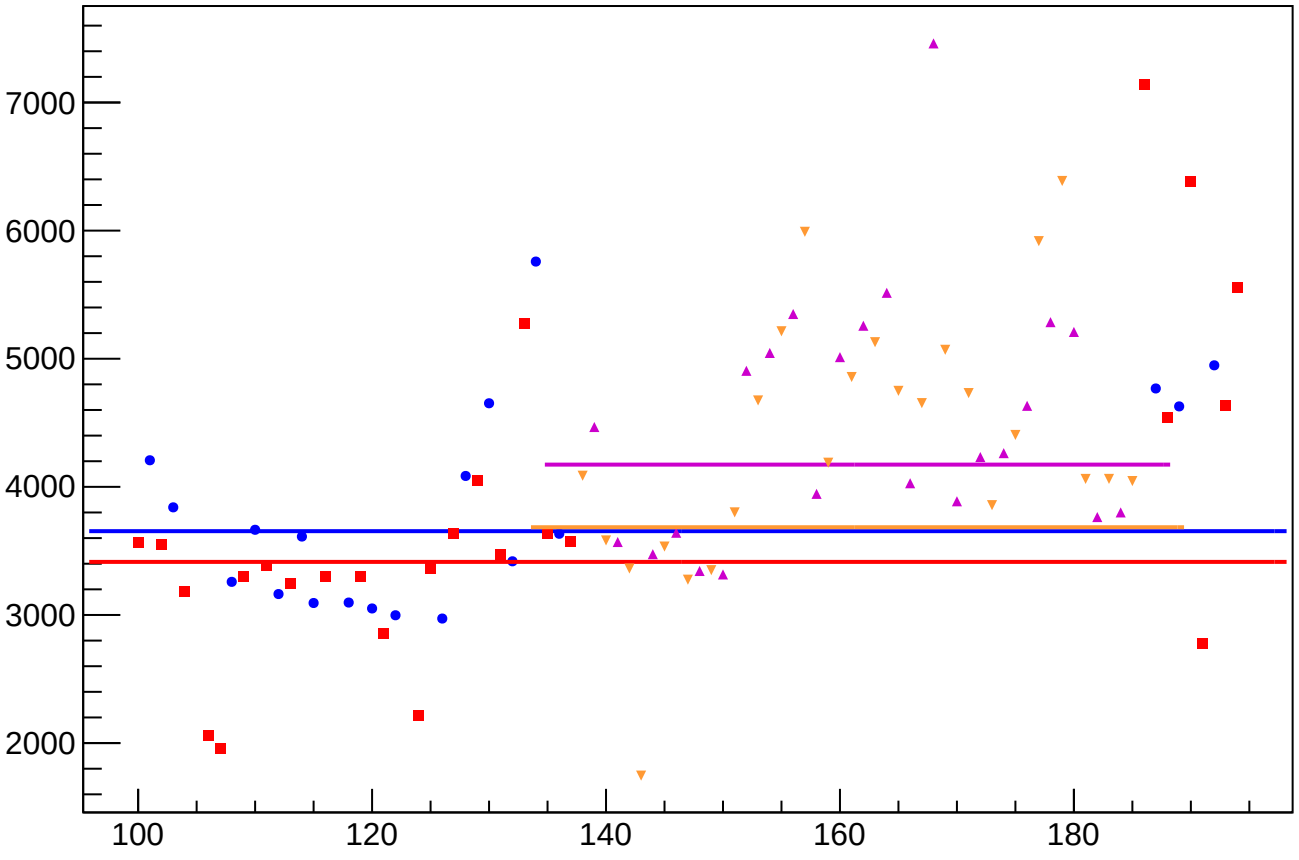
Right Out: -1242.874+/-1077.835 χ^2/NDF: 27.8/24

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 114.011+/-722.740 χ^2/NDF: 45.0/43

All: -233.442+/-514.034 χ^2/NDF: 88.0/91

- sign -589.117+/-731.242 χ^2/NDF: 42.5/47



Right In: 3654.127+/-0.883 χ^2/NDF: 577322.7/18

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3414.267+/-0.762 χ^2/NDF: 1639771.3/24

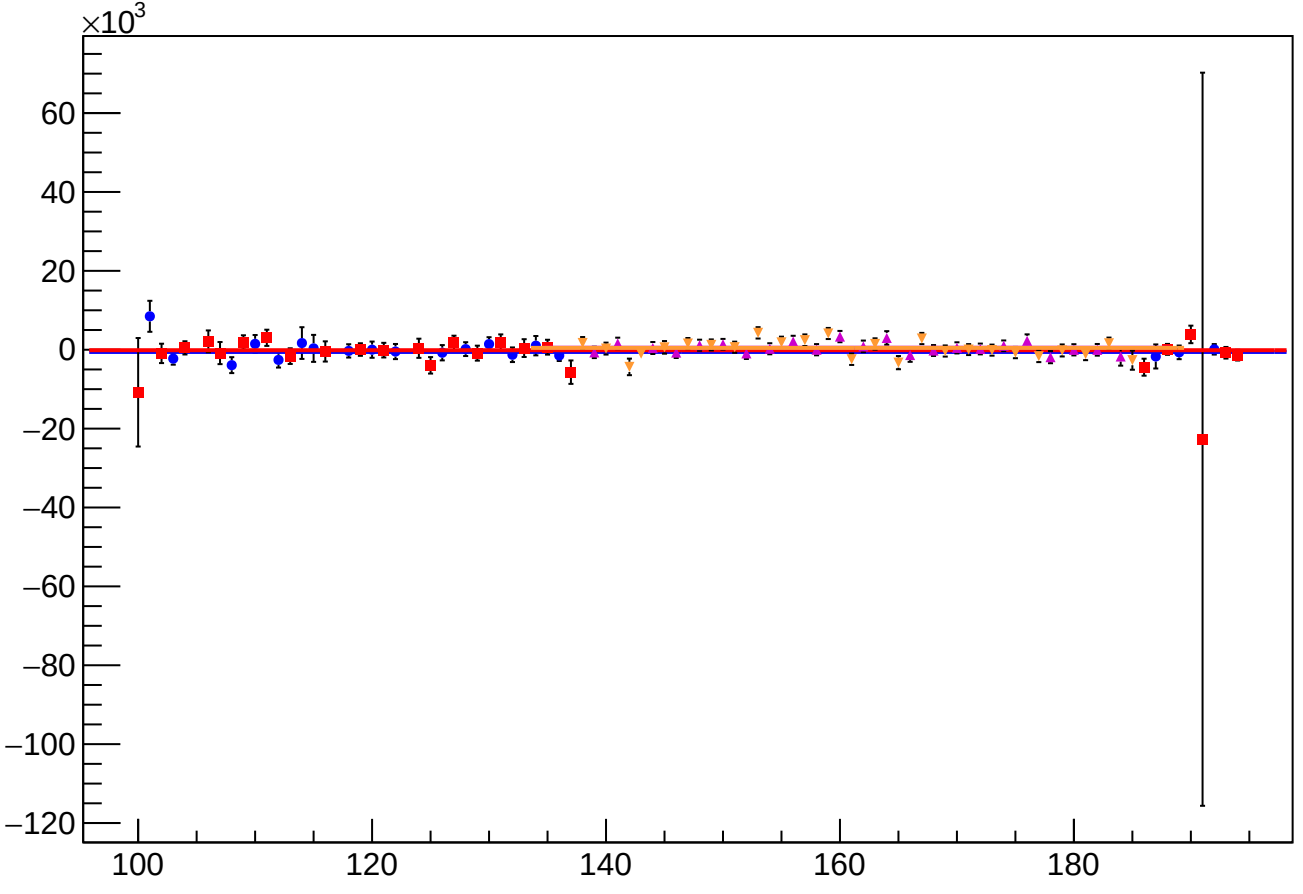
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3674.490+/-0.511 χ^2/NDF: 4271810.7/43

All: 3748.406+/-0.363 χ^2/NDF: 7764564.0/91

\- sign 3824.071+/-0.517 χ^2/NDF: 3450419.9/47

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: -122.732+/-402.102 χ^2/NDF: 23.5/24

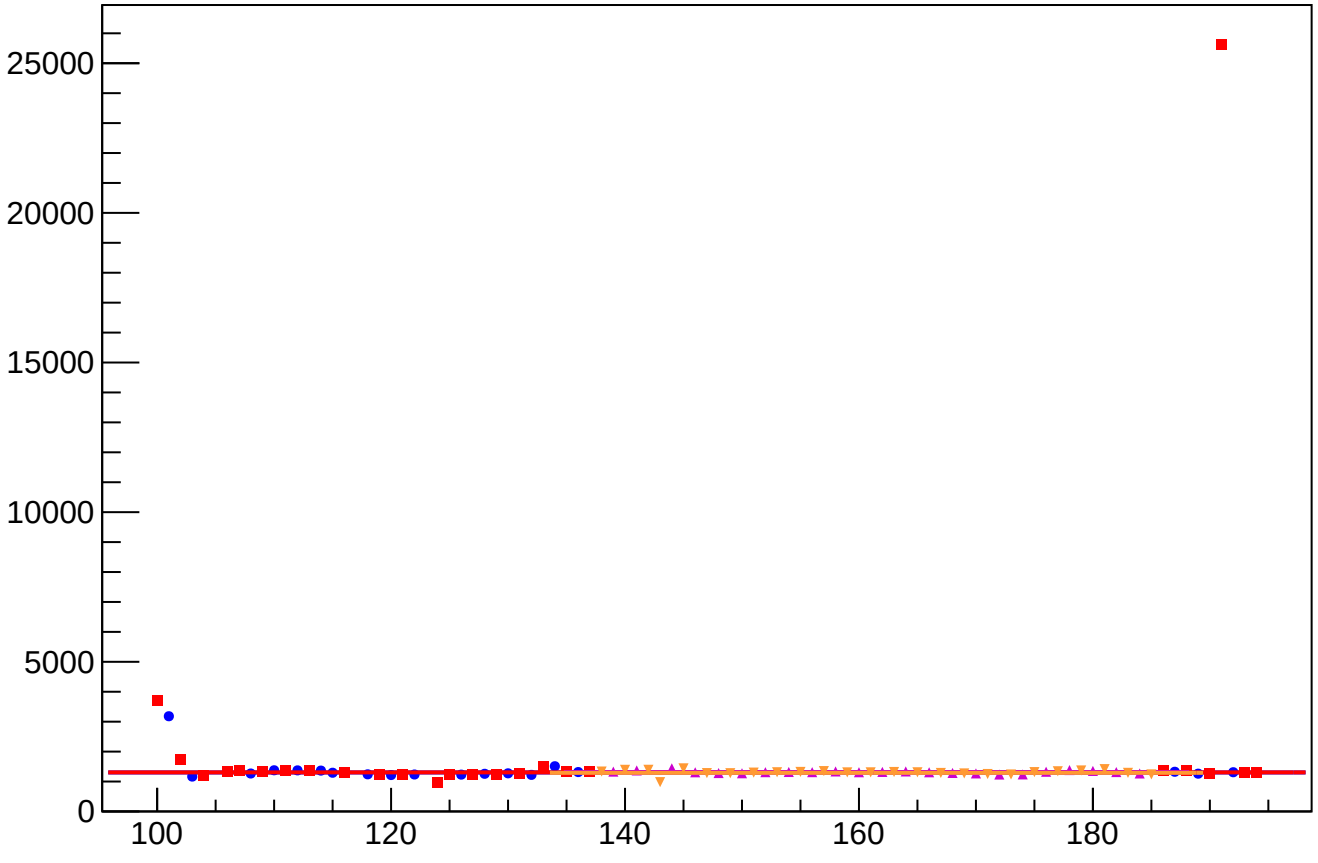
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 154.290+/-245.075 χ^2/NDF: 62.3/43

All: 213.832+/-172.927 χ^2/NDF: 104.9/91

- sign 272.872+/-244.039 χ^2/NDF: 42.4/47

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

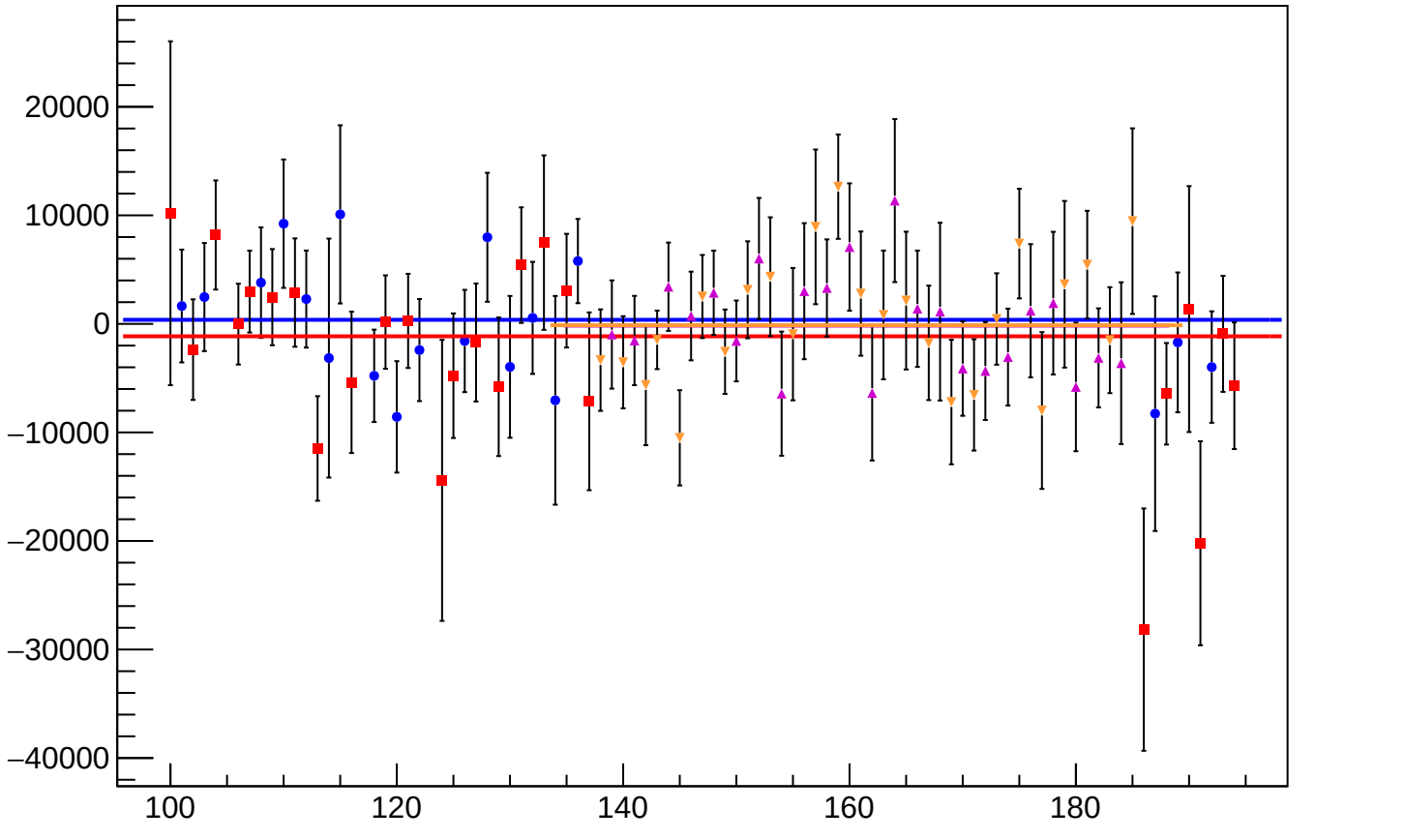
Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.5/24

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.690+/-0.173 χ^2/NDF: 743518.9/43

All: 1302.849+/-0.122 χ^2/NDF: 1151655.2/91

- sign 1310.936+/-0.173 χ^2/NDF: 403722.5/47



Right In: 374.648+/-1251.845 χ^2/NDF: 15.7/18

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

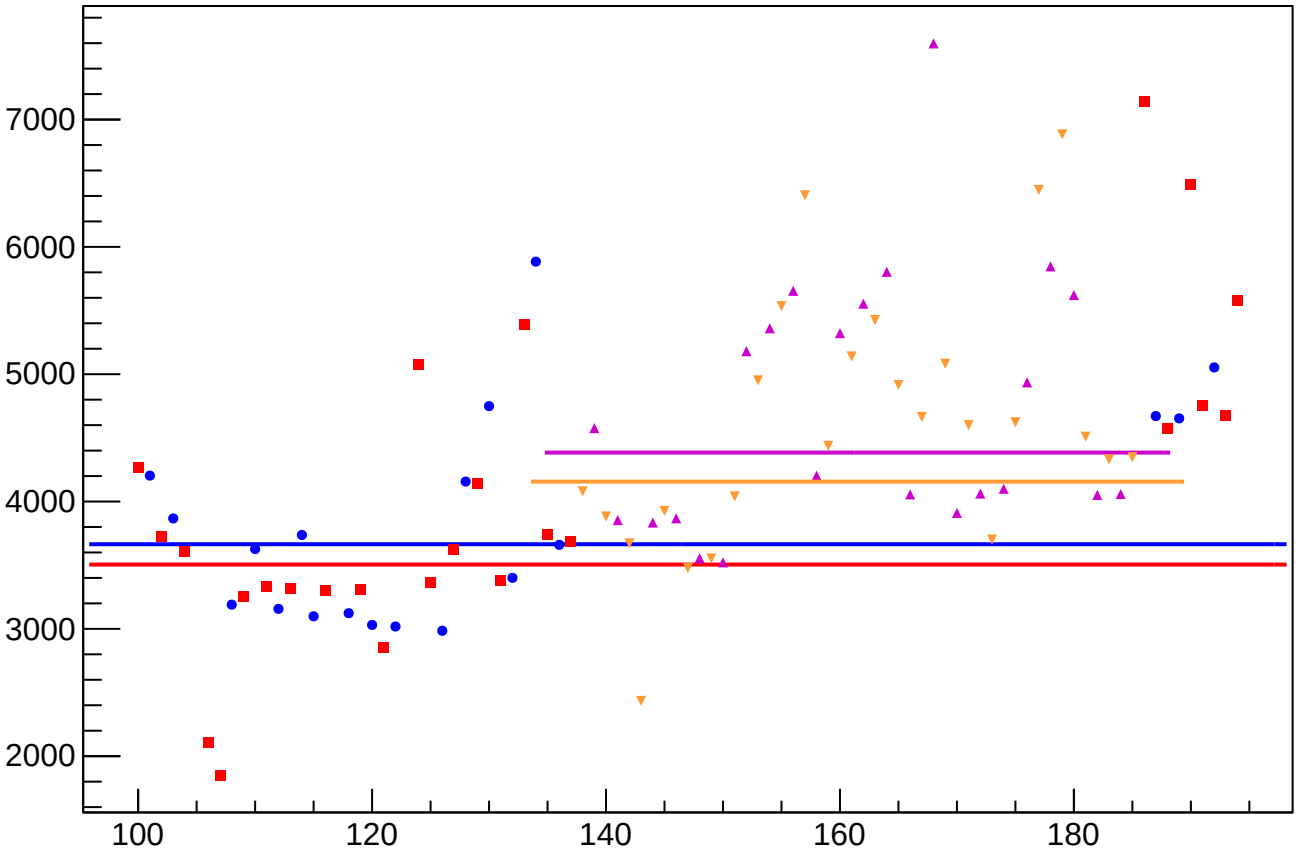
Right Out: -1145.582+/-1096.551 χ^2/NDF: 29.6/24

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 62.777+/-770.312 χ^2/NDF: 44.4/43

All: -289.300+/-539.812 χ^2/NDF: 88.6/91

- sign -629.033+/-756.688 χ^2/NDF: 43.8/47



Right In: 3664.685+/-0.885 χ^2/NDF: 611305.2/18

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

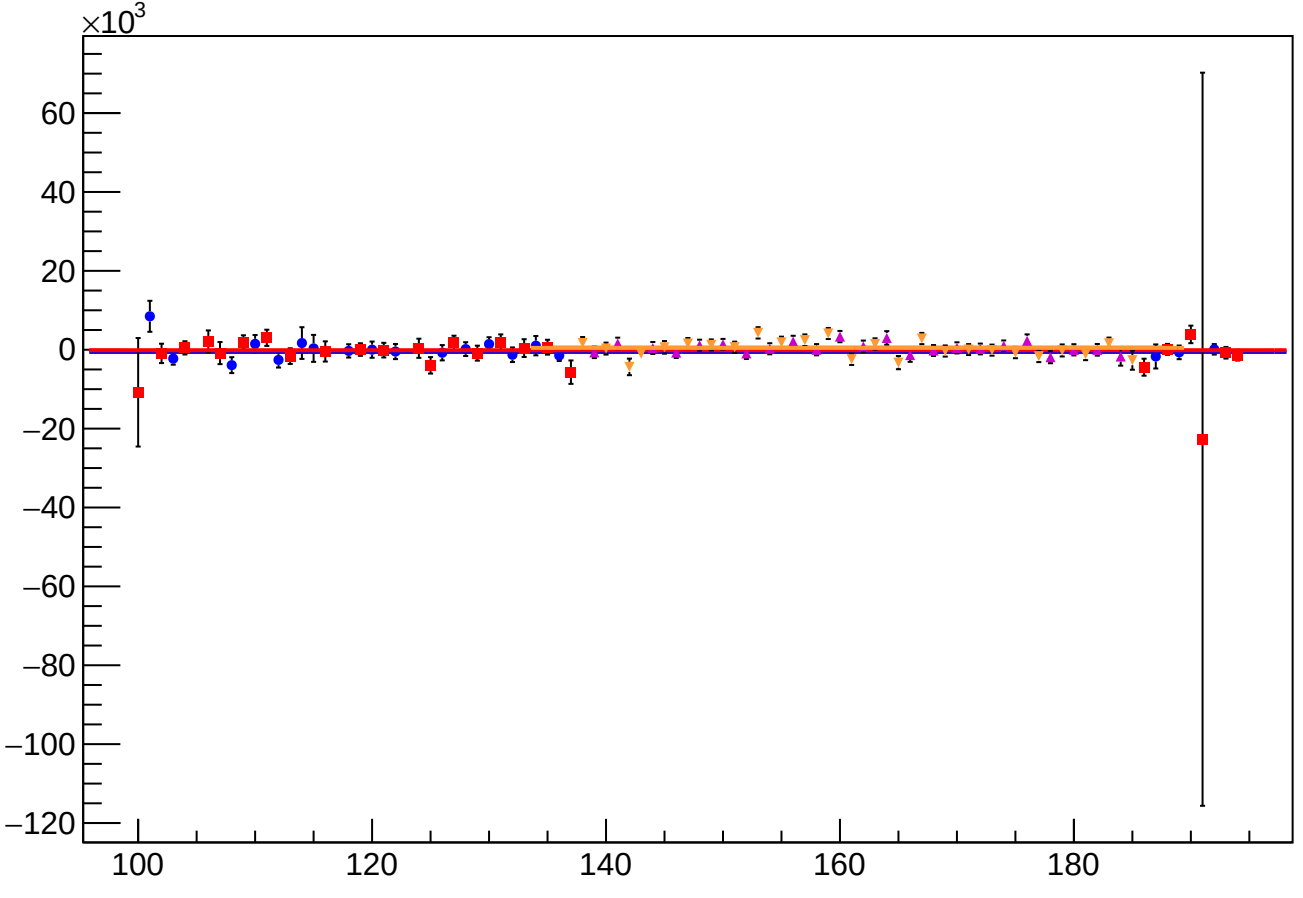
Right Out: 3504.957+/-0.775 χ^2/NDF: 1746894.4/24

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3970.327+/-0.545 χ^2/NDF: 2883945.7/43

All: 3967.912+/-0.382 χ^2/NDF: 6560083.9/91

- sign 3965.582+/-0.535 χ^2/NDF: 3676099.6/47



Right In: -555.882+/-442.785 χ^2/NDF: 14.5/18

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

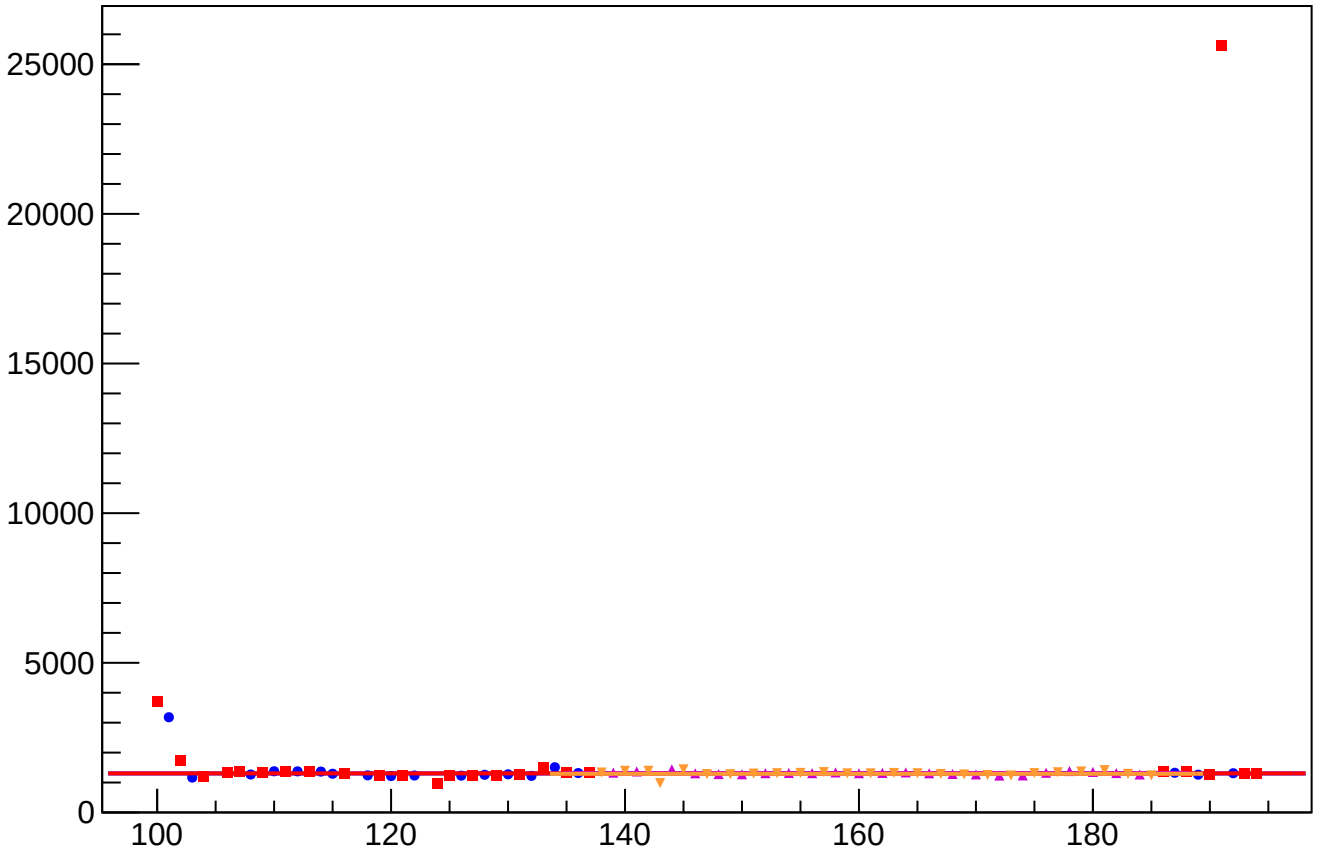
Right Out: -122.727+/-402.102 χ^2/NDF: 23.5/24

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 154.291+/-245.075 χ^2/NDF: 62.3/43

All: 213.834+/-172.927 χ^2/NDF: 104.9/91

- sign 272.874+/-244.039 χ^2/NDF: 42.4/47



Right In: 1302.568+/-0.313 χ^2/NDF: 511871.1/18

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

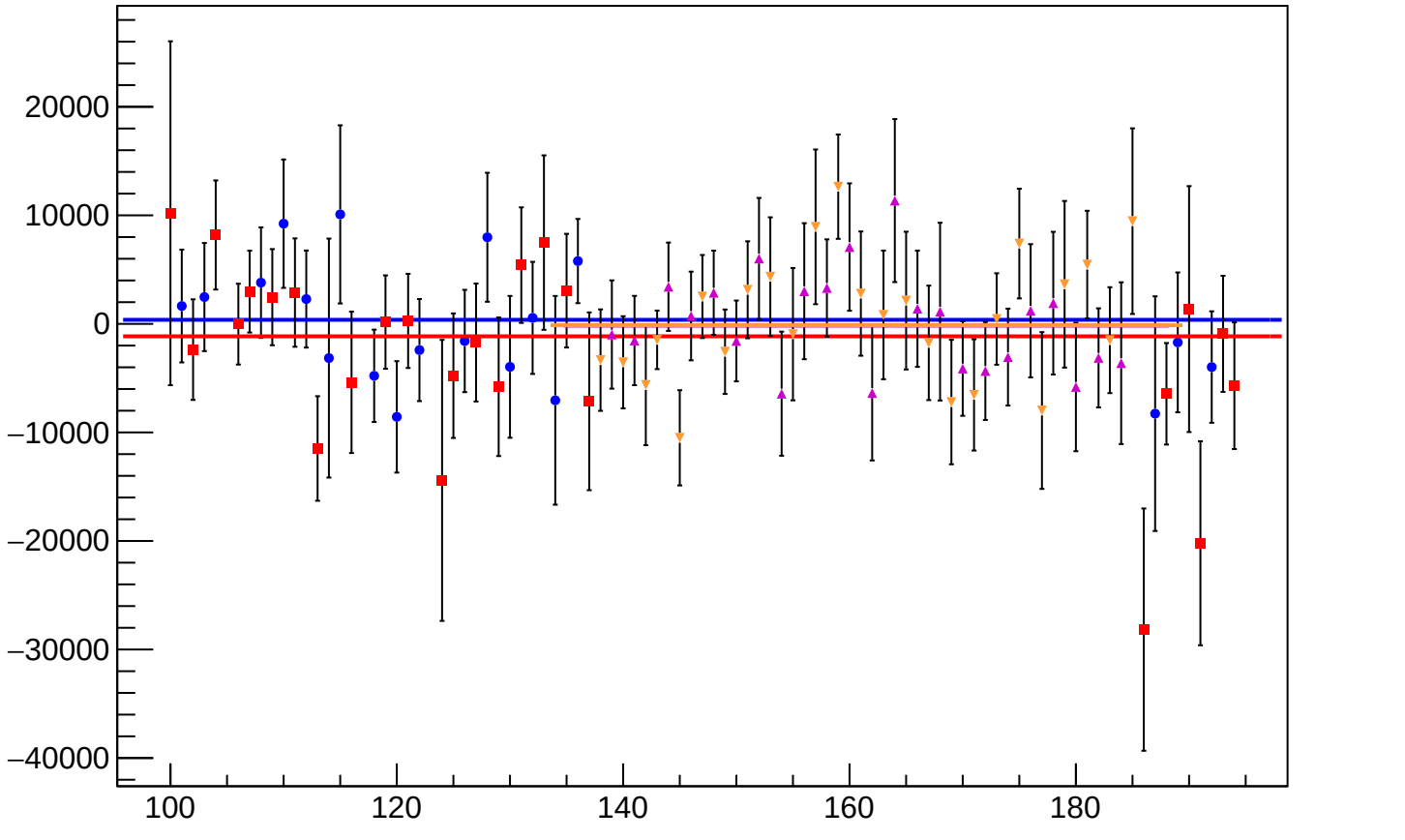
Right Out: 1305.677+/-0.284 χ^2/NDF: 360135.6/24

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.691+/-0.173 χ^2/NDF: 743521.3/43

All: 1302.850+/-0.122 χ^2/NDF: 1151660.0/91

- sign 1310.937+/-0.173 χ^2/NDF: 403725.0/47



Right In: 374.640+/-1251.843 χ^2/NDF: 15.7/18

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

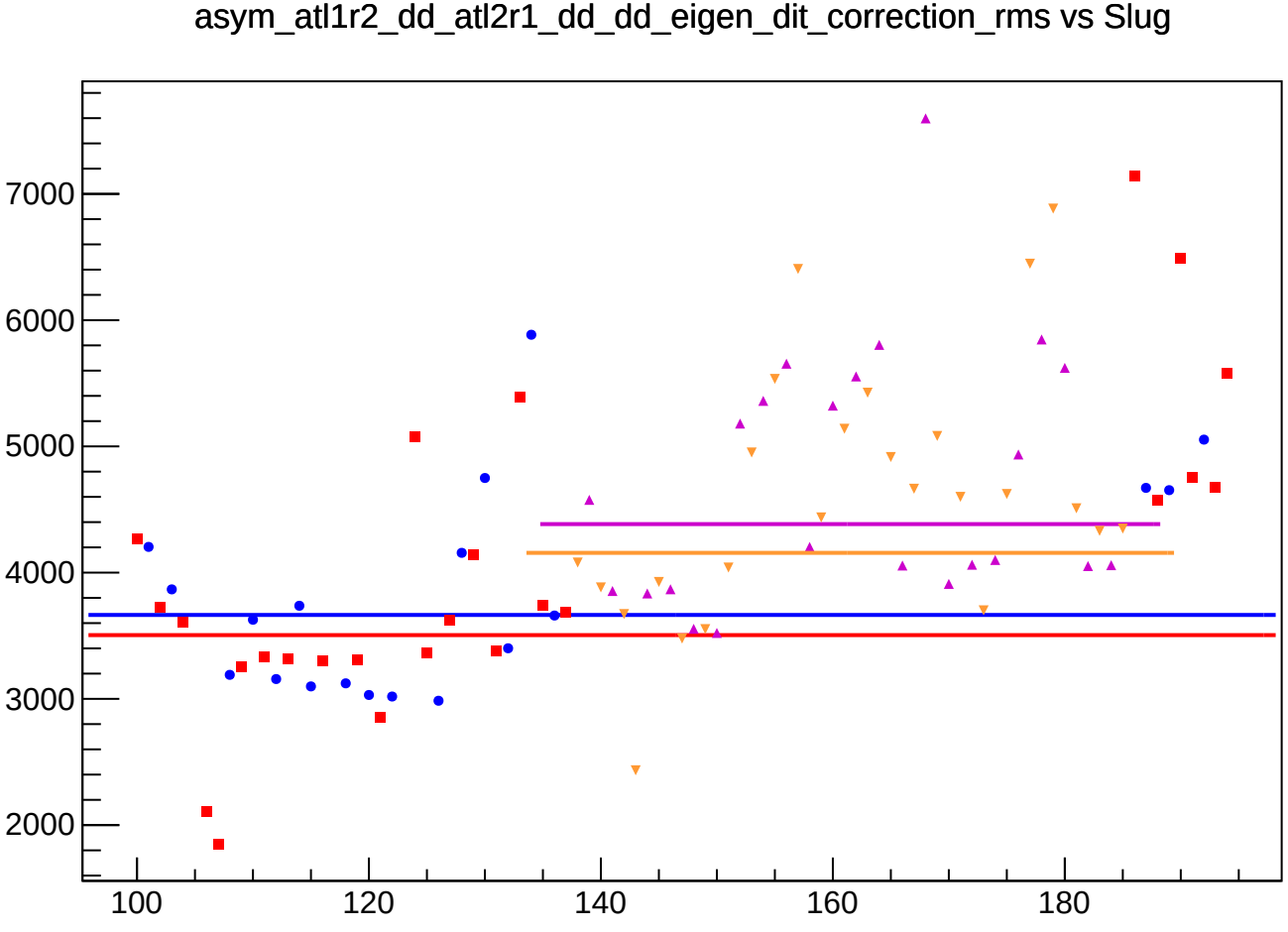
Right Out: -1145.573+/-1096.549 χ^2/NDF: 29.6/24

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

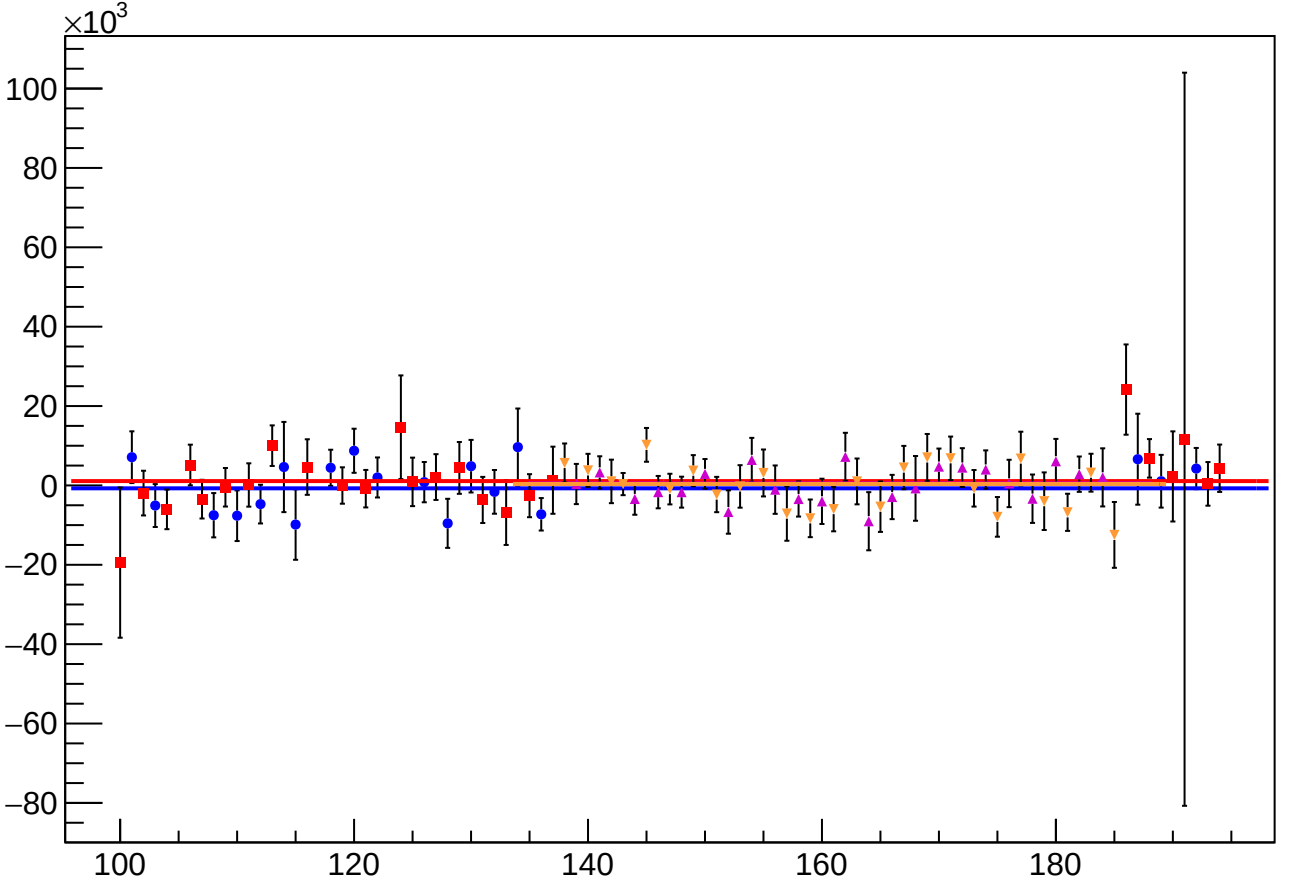
+ sign 62.776+/-770.313 χ^2/NDF: 44.4/43

All: -289.300+/-539.812 χ^2/NDF: 88.6/91

- sign -629.031+/-756.688 χ^2/NDF: 43.8/47


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
100
120
140
160
180
Right In: 3664.676+/-0.885 χ²/NDF: 611314.1/18
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 3504.950+/-0.775 χ²/NDF: 1746905.4/24
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
+ sign 3970.327+/-0.545 χ²/NDF: 2883969.3/43
All: 3967.911+/-0.382 χ²/NDF: 6560144.5/91
- sign 3965.580+/-0.535 χ²/NDF: 3676136.5/47

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -733.309+/-1342.024 χ^2/NDF: 19.1/18

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1092.453+/-1213.237 χ^2/NDF: 17.9/24

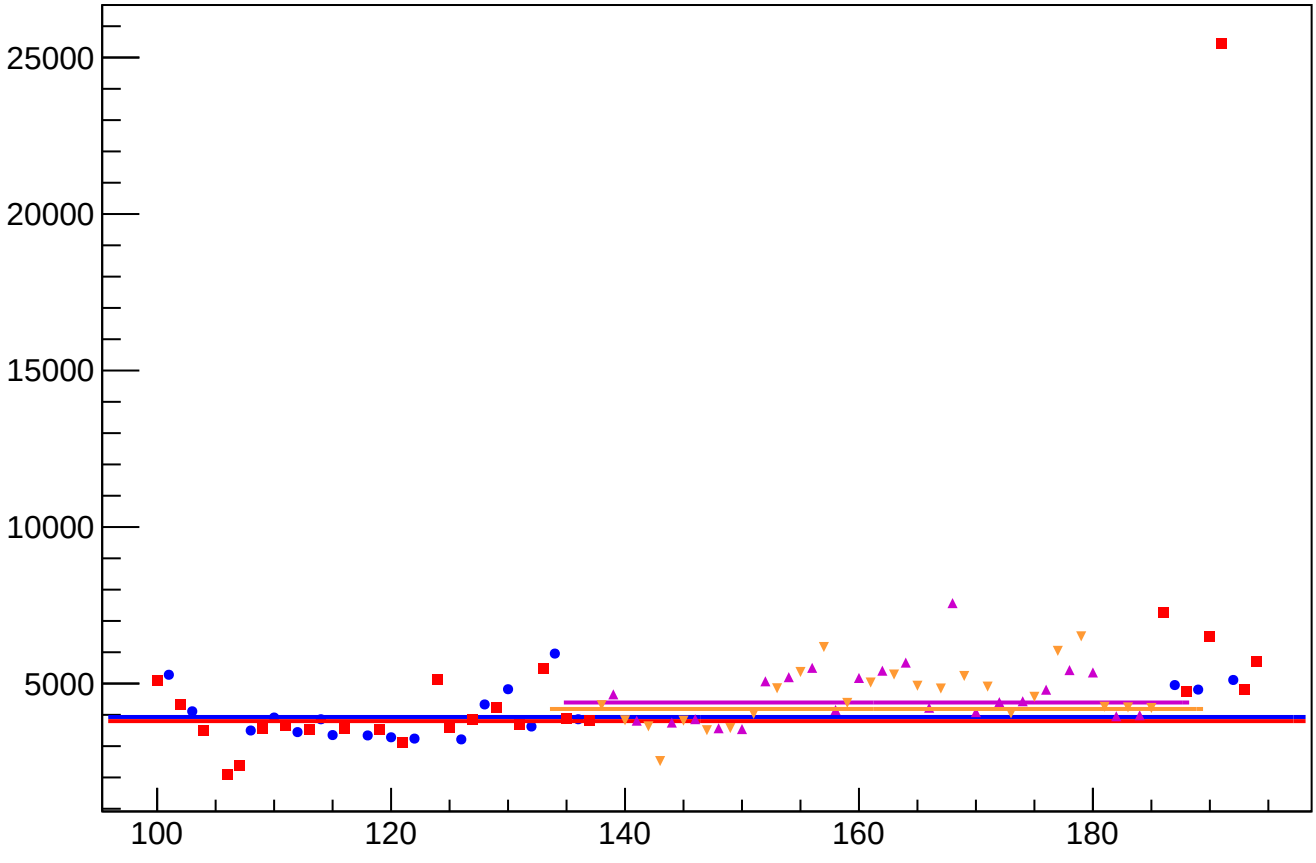
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -18.523+/-791.369 χ^2/NDF: 47.2/43

All: 366.014+/-559.683 χ^2/NDF: 79.6/91

- sign 750.829+/-791.654 χ^2/NDF: 32.0/47

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

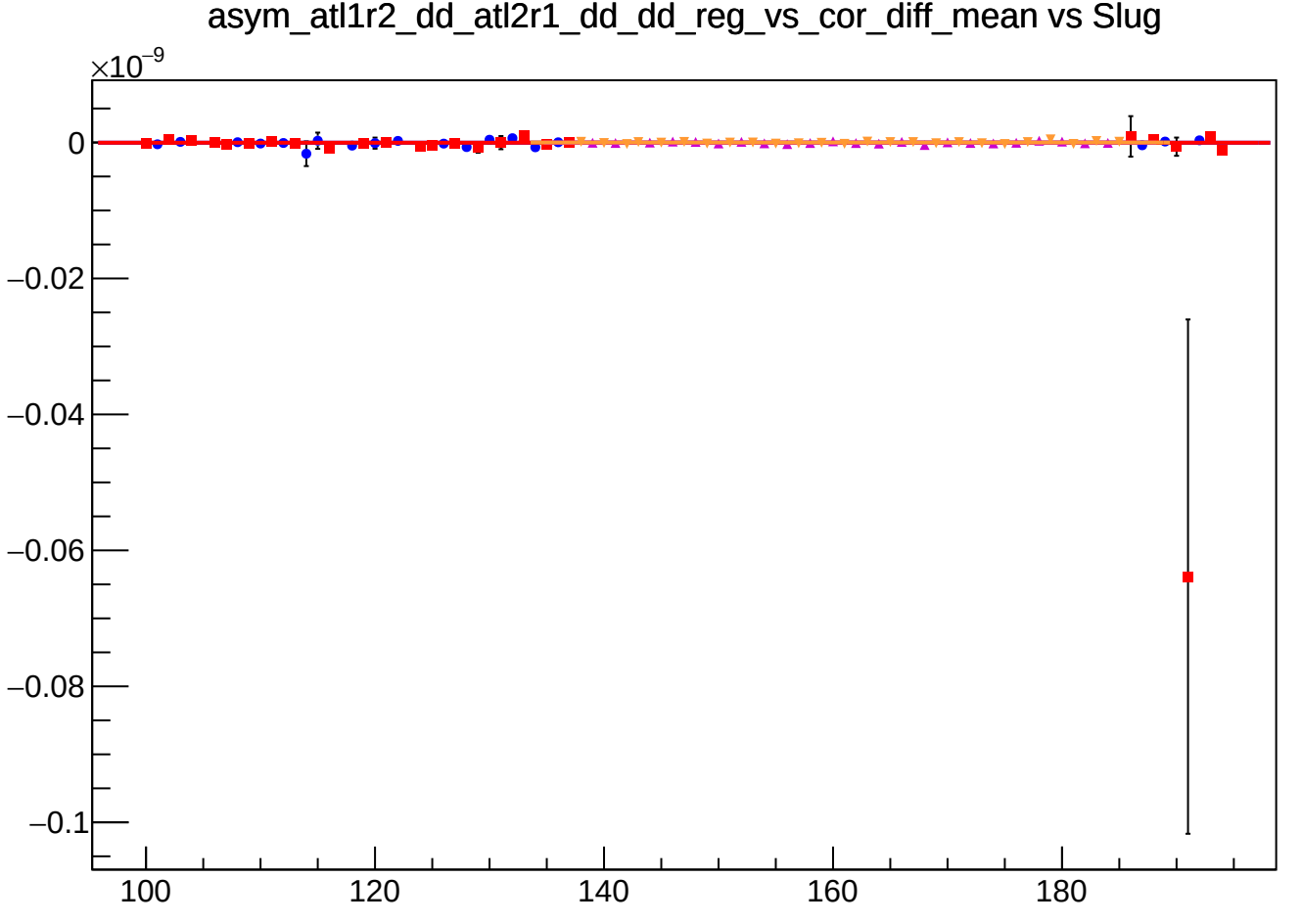
Right Out: 3799.745+/-0.848 χ^2/NDF: 1460671.5/24

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4098.918+/-0.560 χ^2/NDF: 2401731.2/43

All: 4118.478+/-0.395 χ^2/NDF: 5232660.1/91

- sign 4137.863+/-0.557 χ^2/NDF: 2828496.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

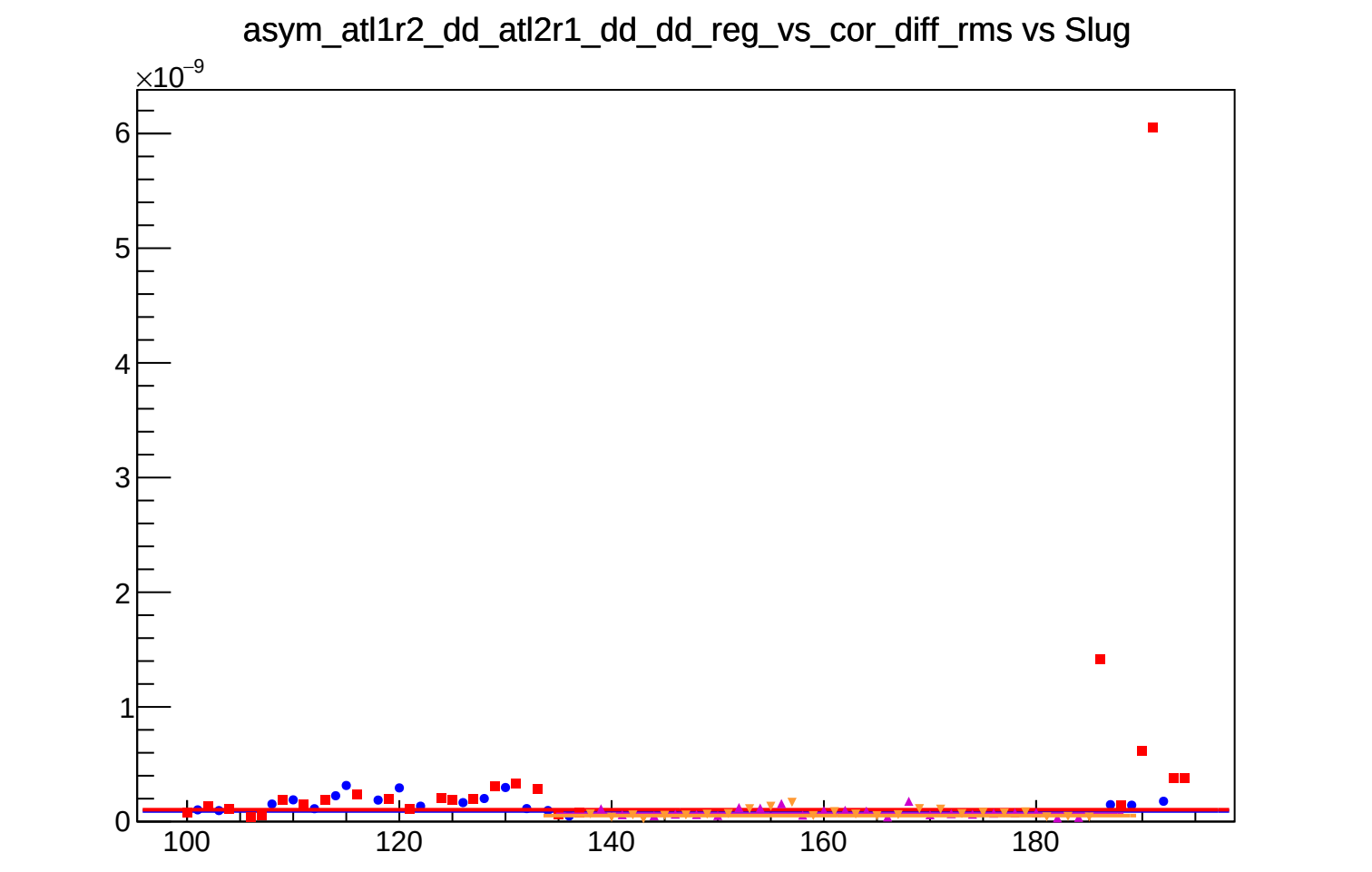
Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/24

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.8/43

All: -0.000+/-0.000 χ^2/NDF: 91.8/91

- sign -0.000+/-0.000 χ^2/NDF: 42.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 1605476.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

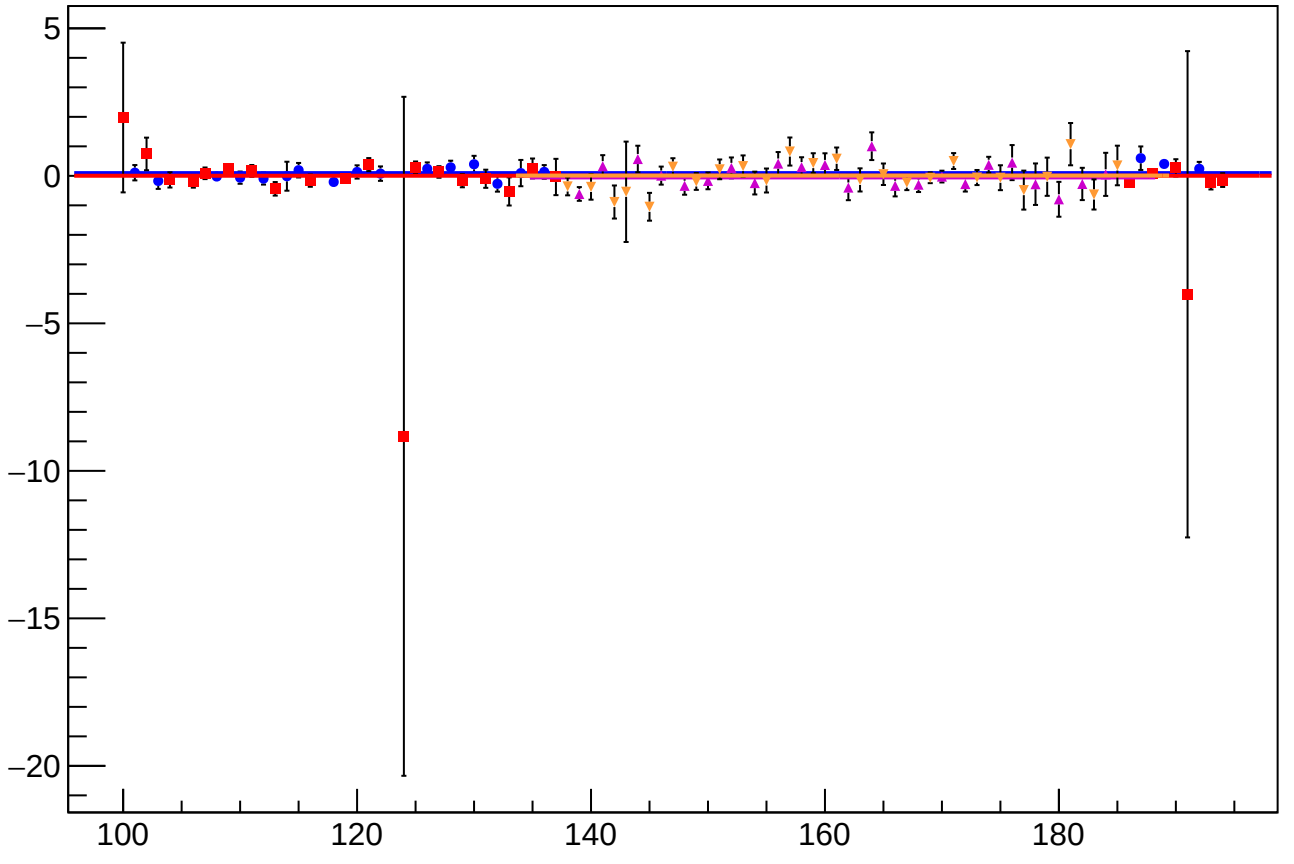
Right Out: 0.000+/-0.000 χ^2/NDF: 3225076.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5077576.1/43

All: 0.000+/-0.000 χ^2/NDF: 11088449.3/91

- sign 0.000+/-0.000 χ^2/NDF: 5734792.1/47



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

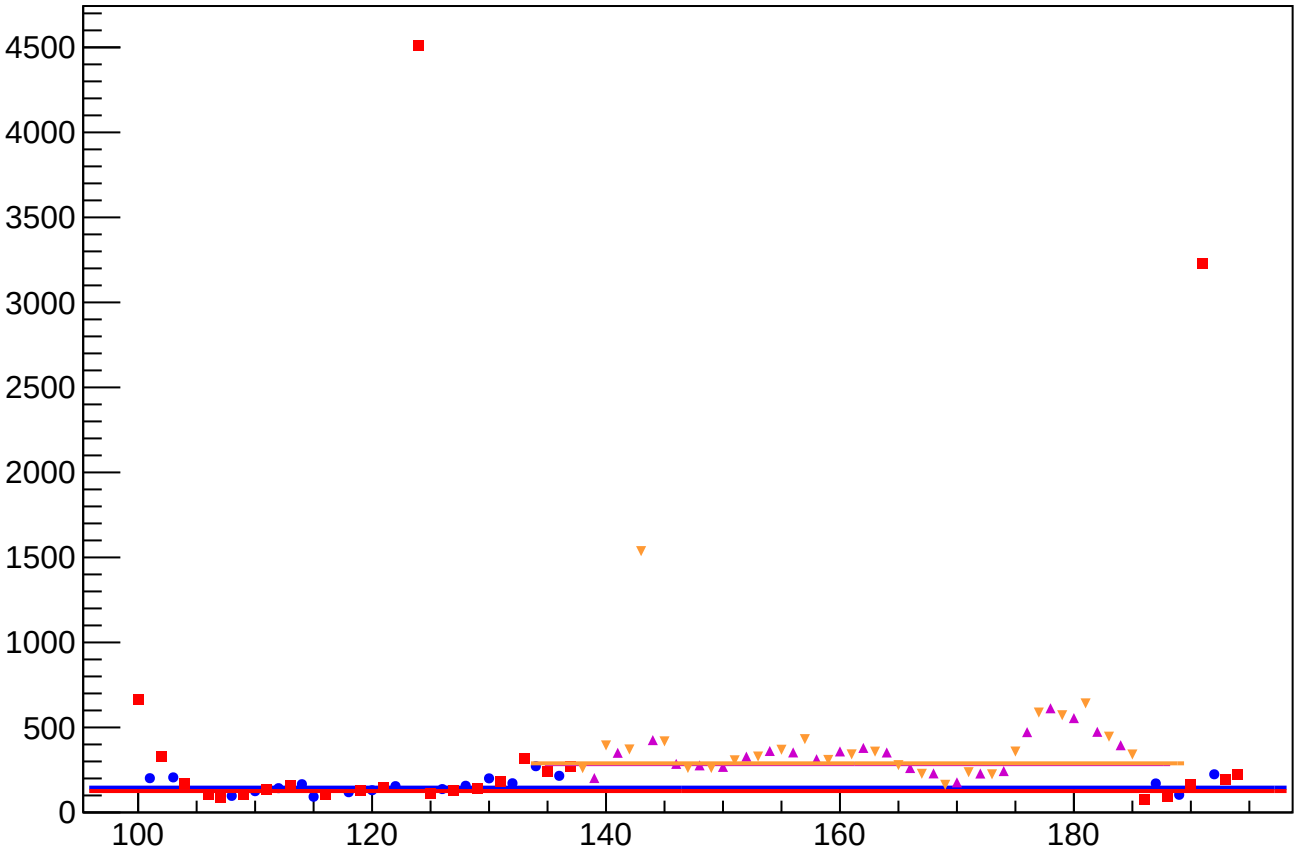
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

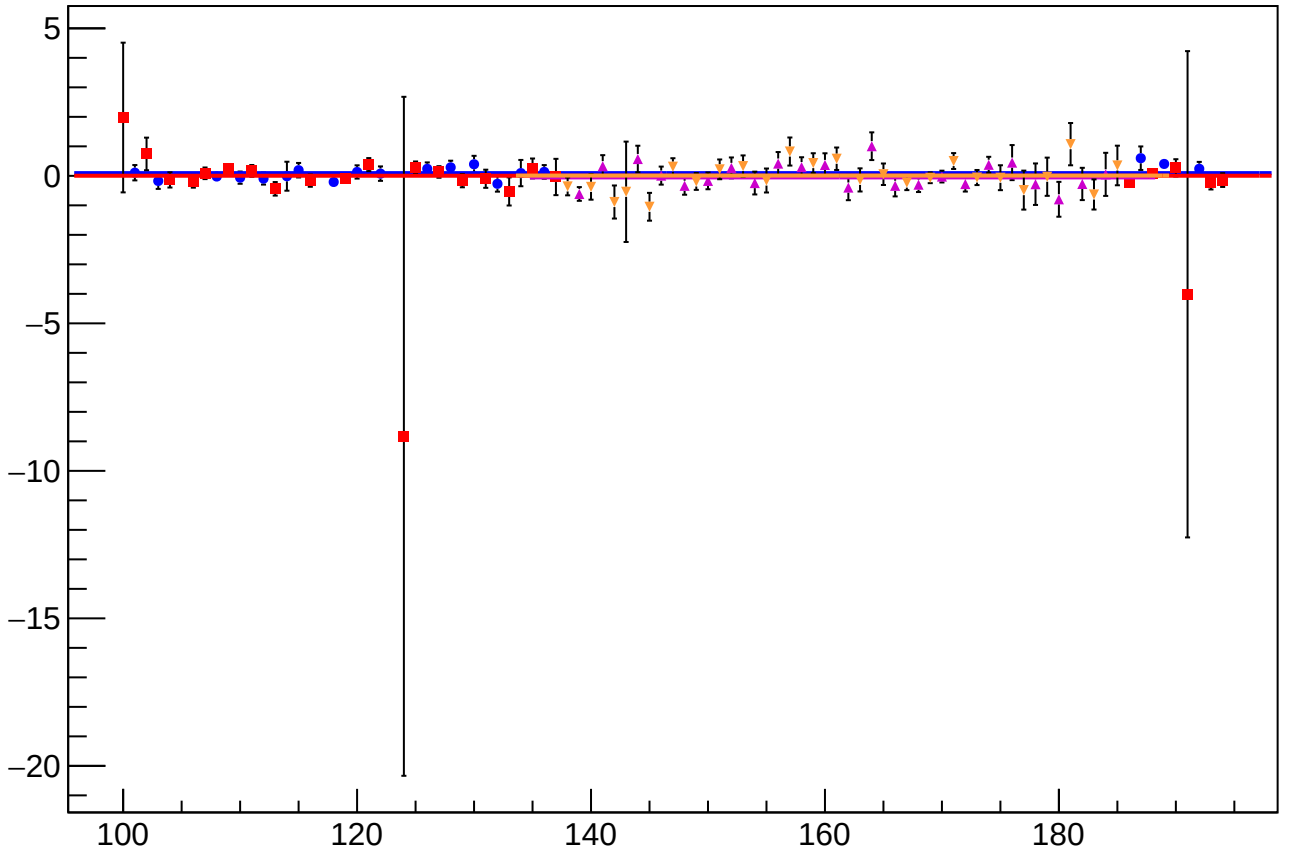
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.021+/-0.028 χ^2/NDF: 104.2/91

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47


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: 125.881+/-0.030 χ²/NDF: 3041122.6/24
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 196.023+/-0.030 χ²/NDF: 11298805.5/43
All: 180.338+/-0.019 χ²/NDF: 25295484.2/91
- sign 168.481+/-0.026 χ²/NDF: 13507121.7/47



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

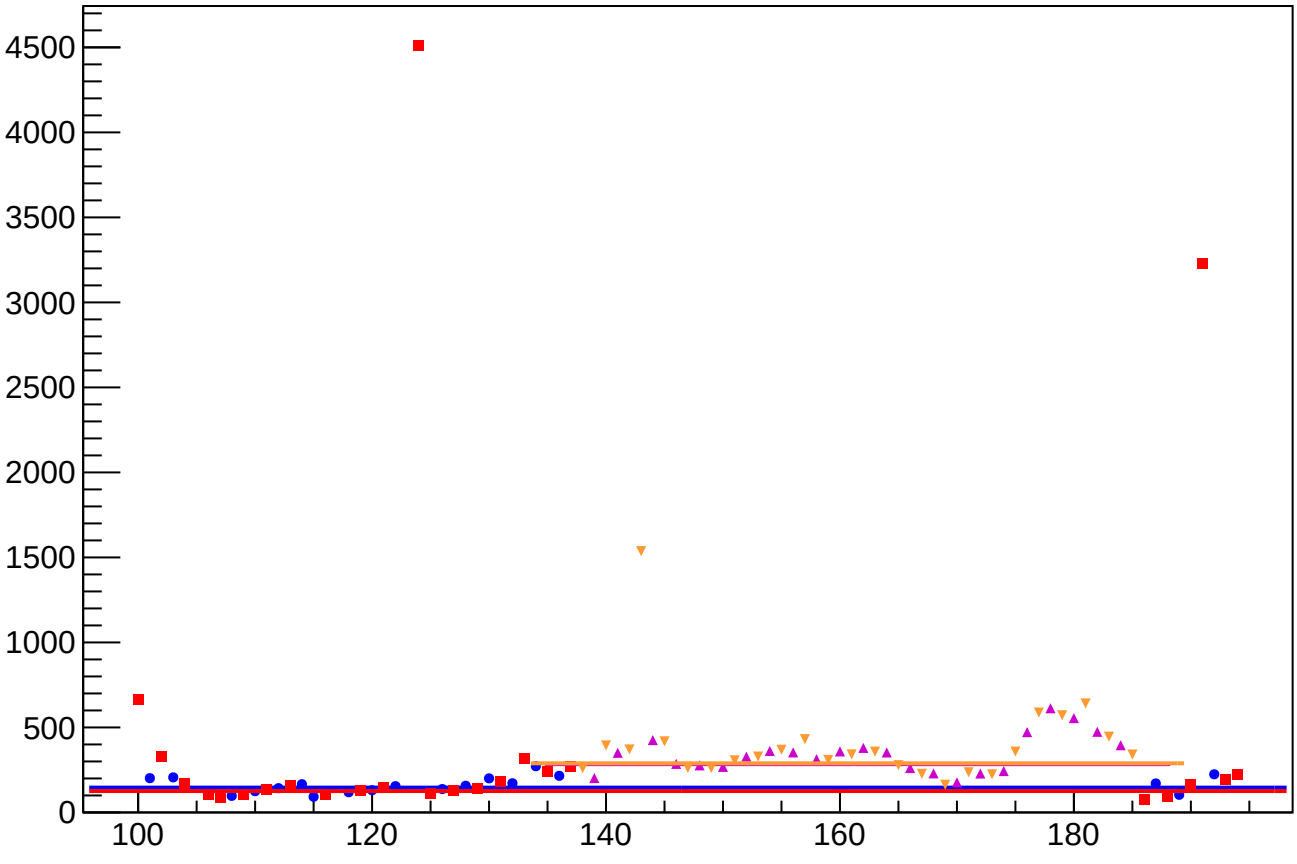
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.021+/-0.028 χ^2/NDF: 104.2/91

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47



Right In: 146.020+/-0.037 χ^2/NDF: 1386367.2/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

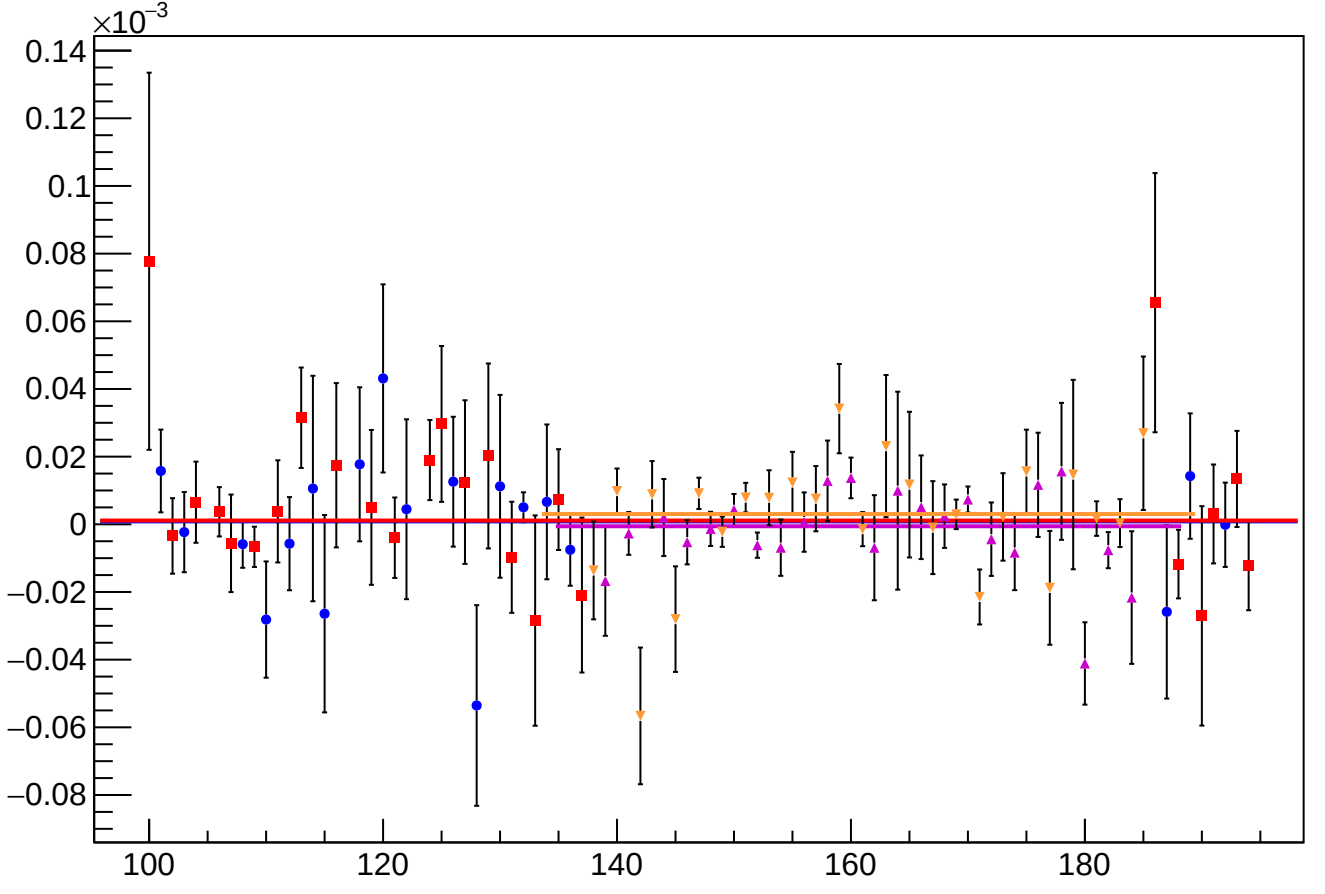
Right Out: 125.881+/-0.030 χ^2/NDF: 3041122.6/24

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.023+/-0.030 χ^2/NDF: 11298805.5/43

All: 180.338+/-0.019 χ^2/NDF: 25295484.2/91

- sign 168.481+/-0.026 χ^2/NDF: 13507121.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

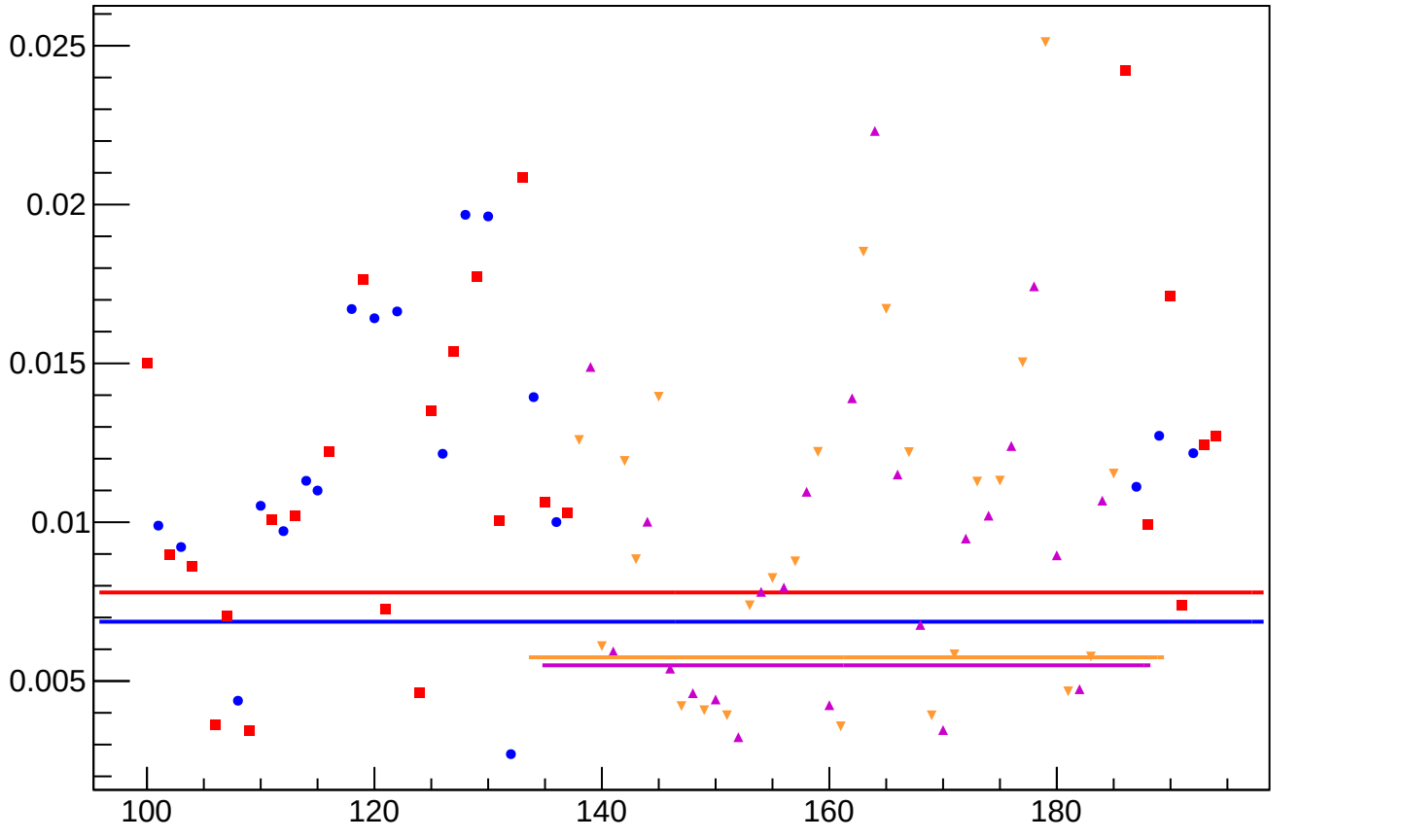
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/24

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.2/43

All: 0.000+/-0.000 χ^2/NDF: 117.8/91

- sign -0.000+/-0.000 χ^2/NDF: 56.6/47



Right In: 0.007+/-0.000 χ^2/NDF: 5313715.3/18

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

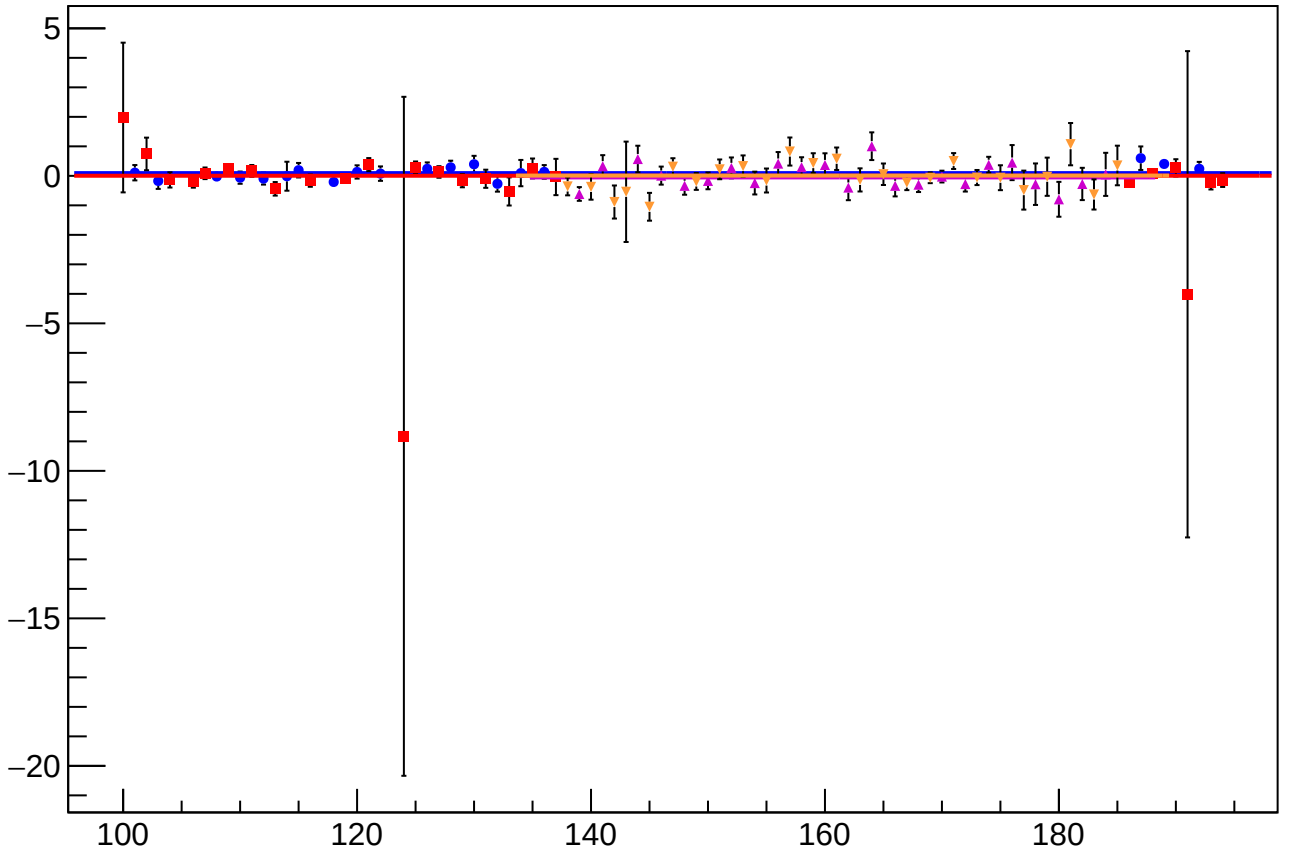
Right Out: 0.008+/-0.000 χ^2/NDF: 4671093.3/24

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 13689818.3/43

All: 0.006+/-0.000 χ^2/NDF: 26394241.9/91

\- sign 0.006+/-0.000 χ^2/NDF: 12703461.0/47



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

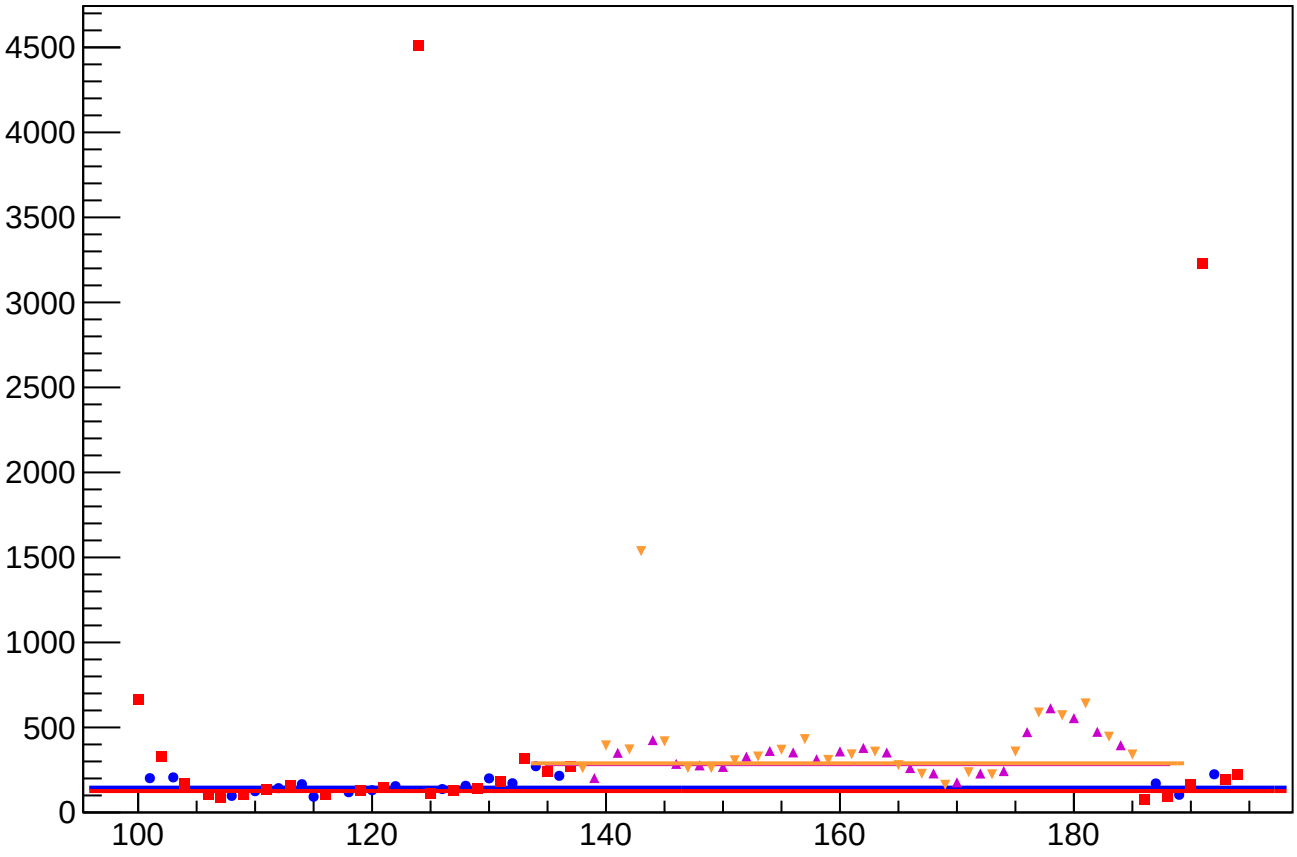
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.021+/-0.028 χ^2/NDF: 104.2/91

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47



Right In: 146.020+/-0.037 χ^2/NDF: 1386330.7/18

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

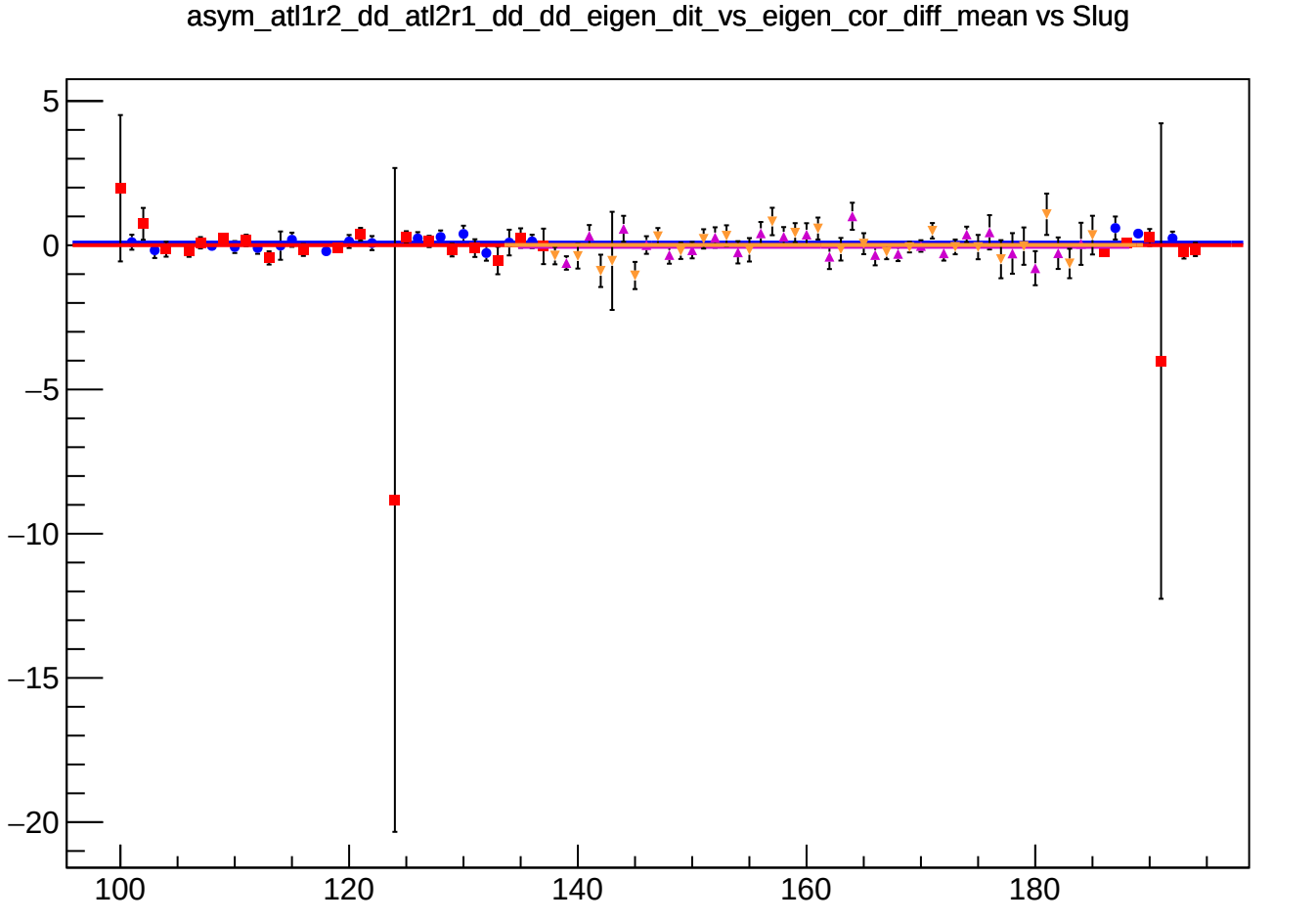
Right Out: 125.883+/-0.030 χ^2/NDF: 3040972.0/24

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.022+/-0.030 χ^2/NDF: 11299012.6/43

All: 180.339+/-0.019 χ^2/NDF: 25295418.4/91

- sign 168.483+/-0.026 χ^2/NDF: 13506945.8/47



Right In: 0.092+/-0.052 χ^2/NDF: 16.9/18

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

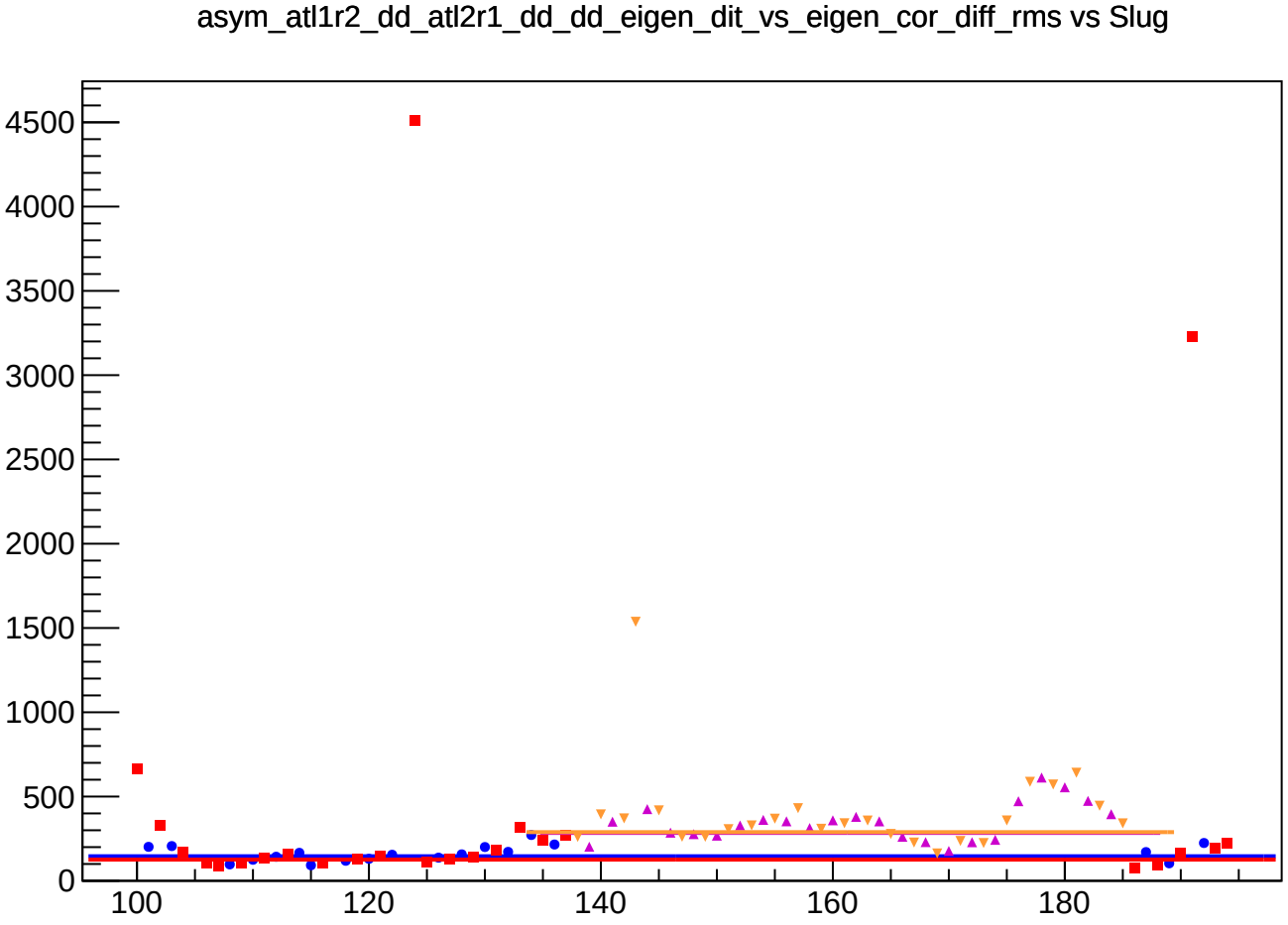
Right Out: 0.003+/-0.043 χ^2/NDF: 27.5/24

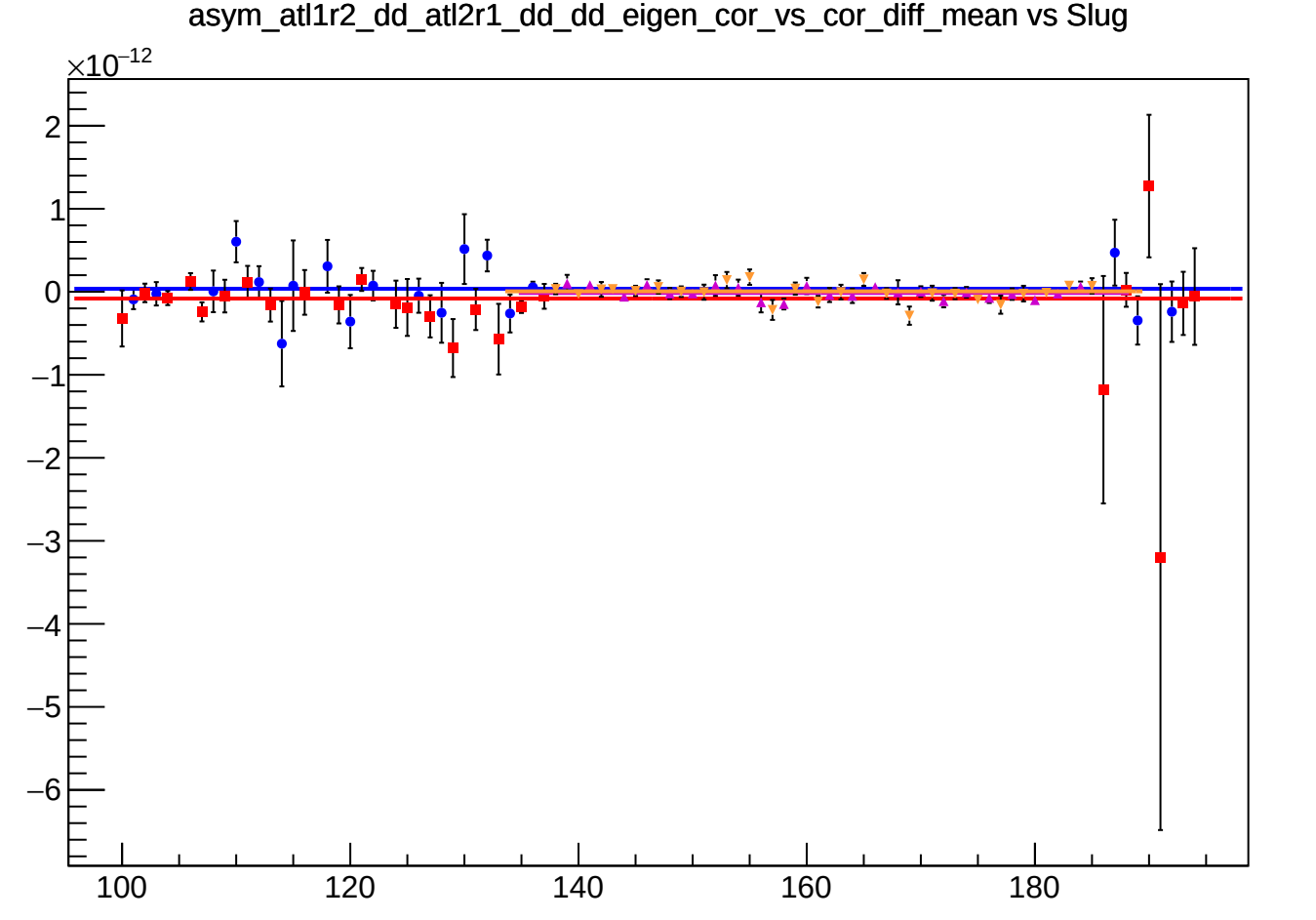
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.063+/-0.042 χ^2/NDF: 46.7/43

All: 0.021+/-0.028 χ^2/NDF: 104.2/91

- sign -0.012+/-0.037 χ^2/NDF: 55.7/47


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
Right In: 146.020+/-0.037 χ²/NDF: 1386330.7/18
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 125.883+/-0.030 χ²/NDF: 3040972.0/24
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 196.022+/-0.030 χ²/NDF: 11299012.6/43
All: 180.339+/-0.019 χ²/NDF: 25295418.4/91
- sign 168.483+/-0.026 χ²/NDF: 13506945.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

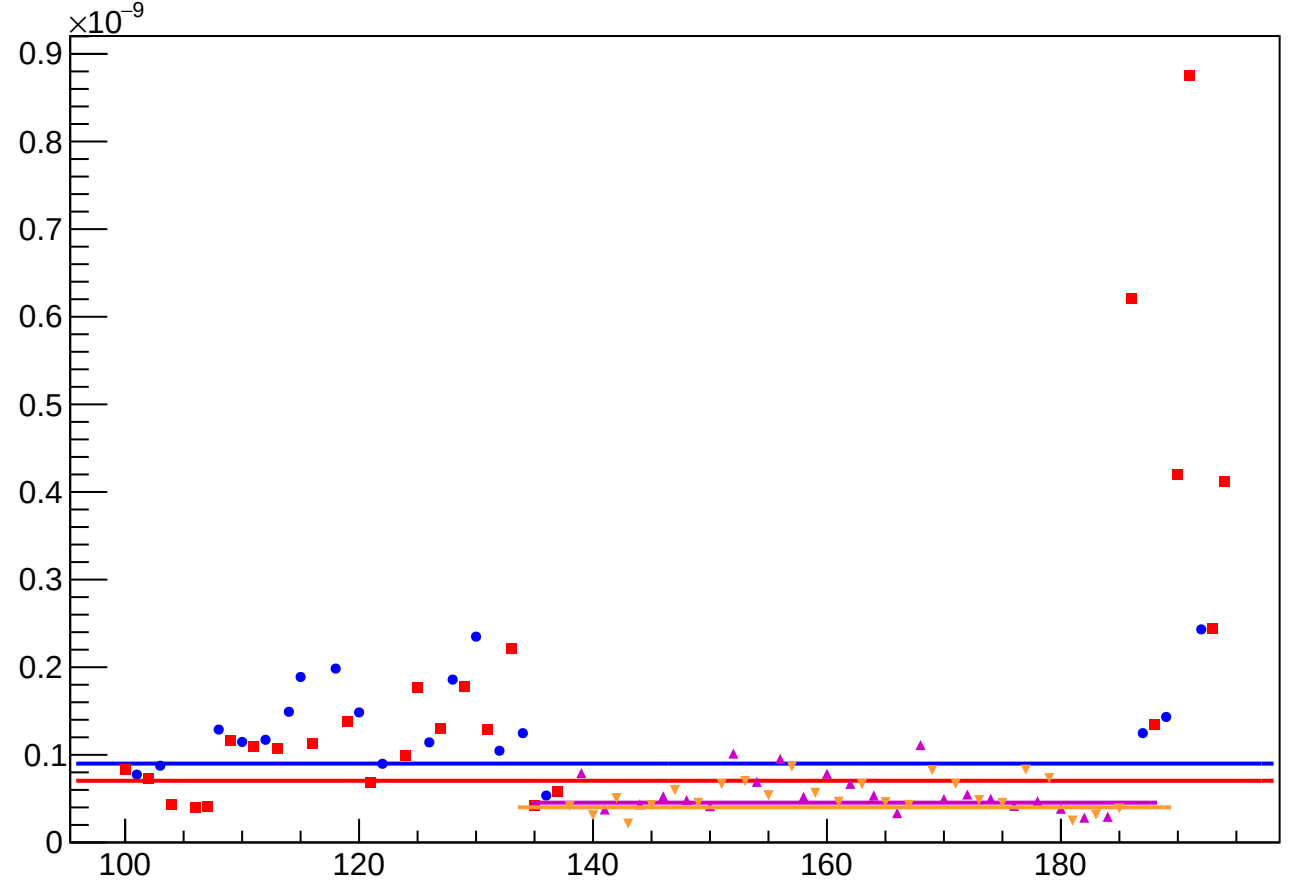
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/24

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: 109.8/91

- sign -0.000+/-0.000 χ^2/NDF: 49.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 2017506.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

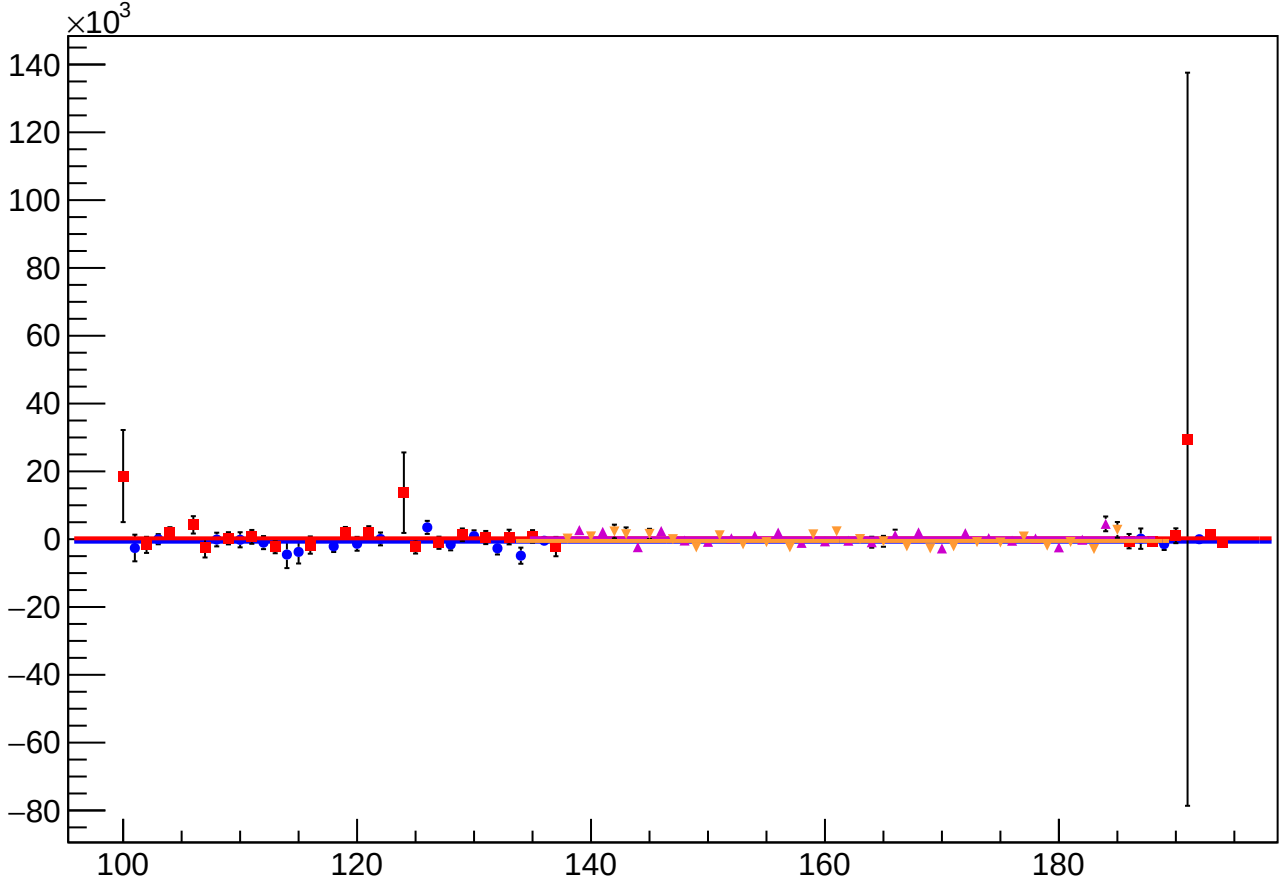
Right Out: 0.000+/-0.000 χ^2/NDF: 4282007.7/24

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8254510.5/43

All: 0.000+/-0.000 χ^2/NDF: 16432005.0/91

- sign 0.000+/-0.000 χ^2/NDF: 8016263.0/47



Right In: -732.003+/-436.629 χ^2/NDF: 14.0/18

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 247.383+/-400.655 χ^2/NDF: 17.8/24

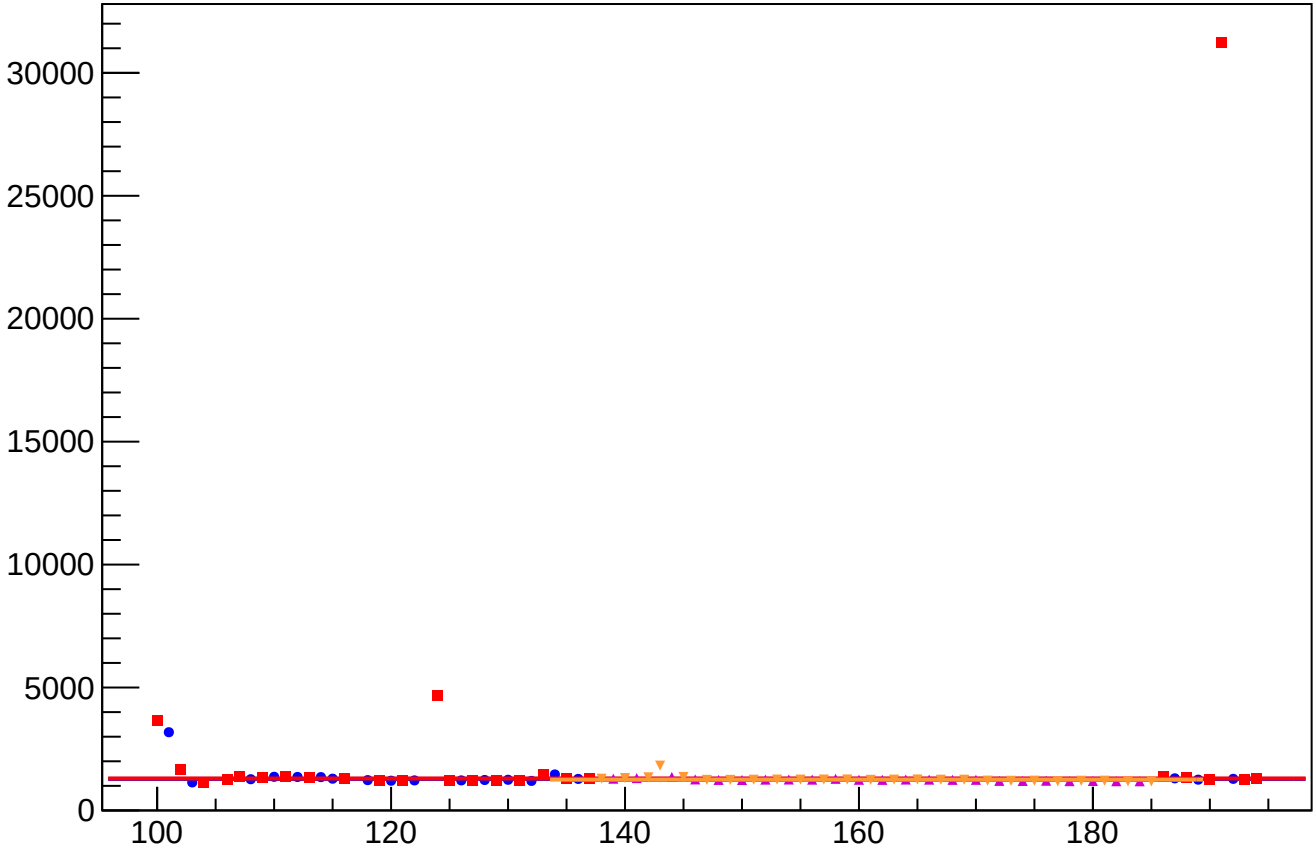
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -579.773+/-239.212 χ^2/NDF: 45.1/43

All: -161.354+/-167.834 χ^2/NDF: 101.0/91

- sign 244.309+/-235.538 χ^2/NDF: 49.8/47

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

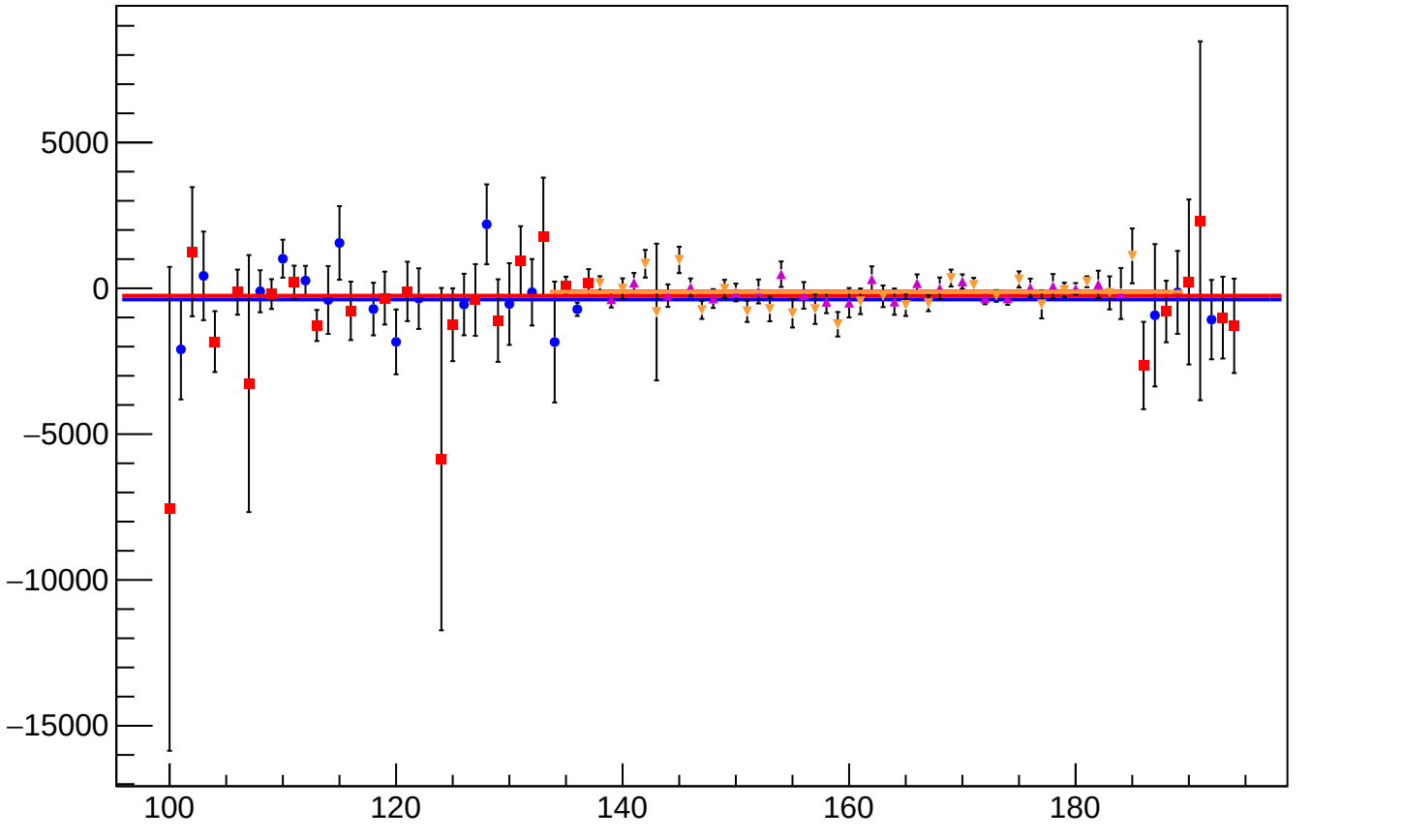
Right Out: 1299.185+/-0.283 χ^2/NDF: 489259.8/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.150+/-0.169 χ^2/NDF: 728154.0/43

All: 1264.385+/-0.119 χ^2/NDF: 1280030.5/91

- sign 1264.613+/-0.167 χ^2/NDF: 551872.7/47



Right In: -382.062+/-165.413 χ^2/NDF: 18.5/18

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -252.395+/-164.040 χ^2/NDF: 18.5/24

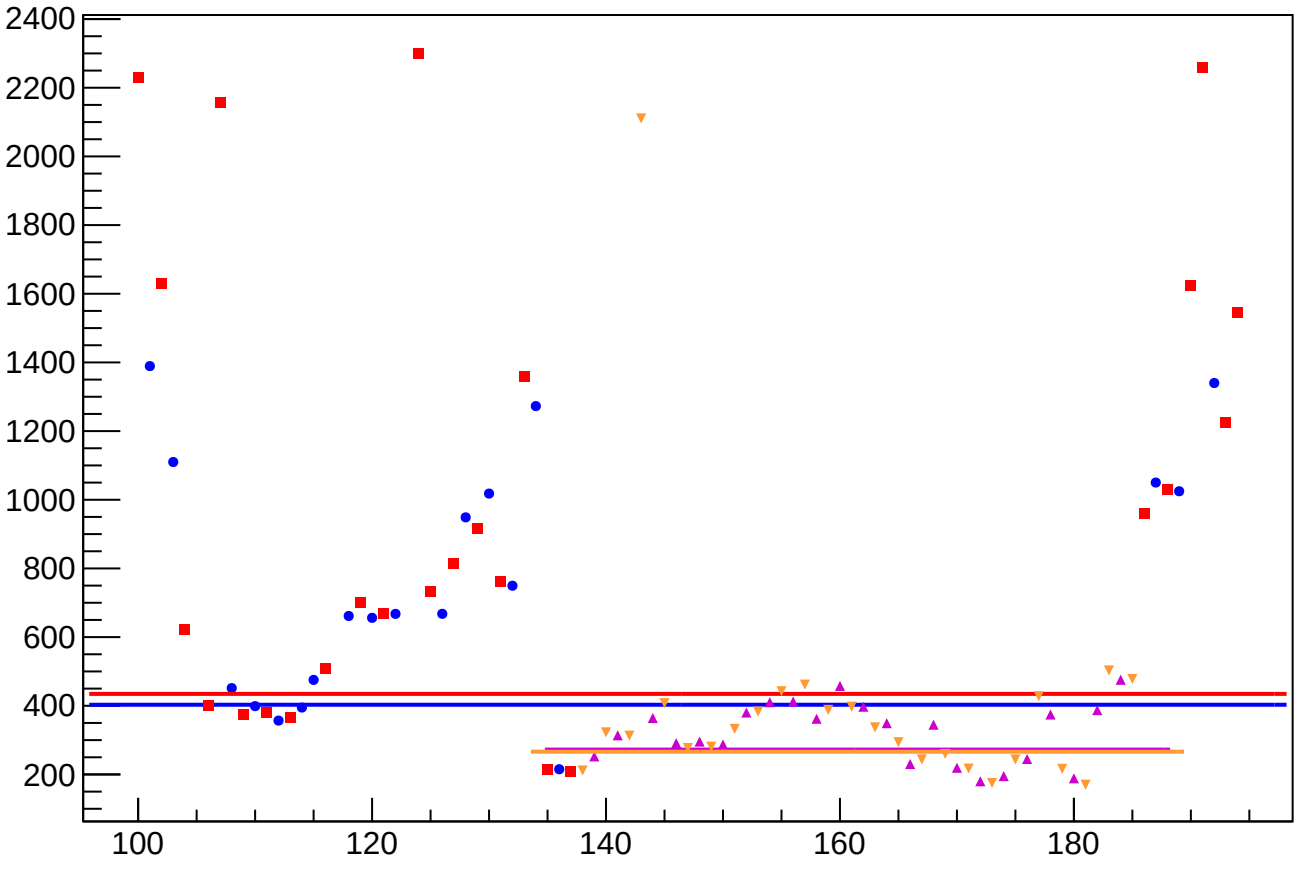
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -152.535+/-60.544 χ^2/NDF: 69.2/43

All: -140.603+/-43.326 χ^2/NDF: 102.1/91

\- sign -128.080+/-62.027 χ^2/NDF: 32.9/47

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



Right In: 402.985+/-0.117 χ^2/NDF: 5709668.1/18

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

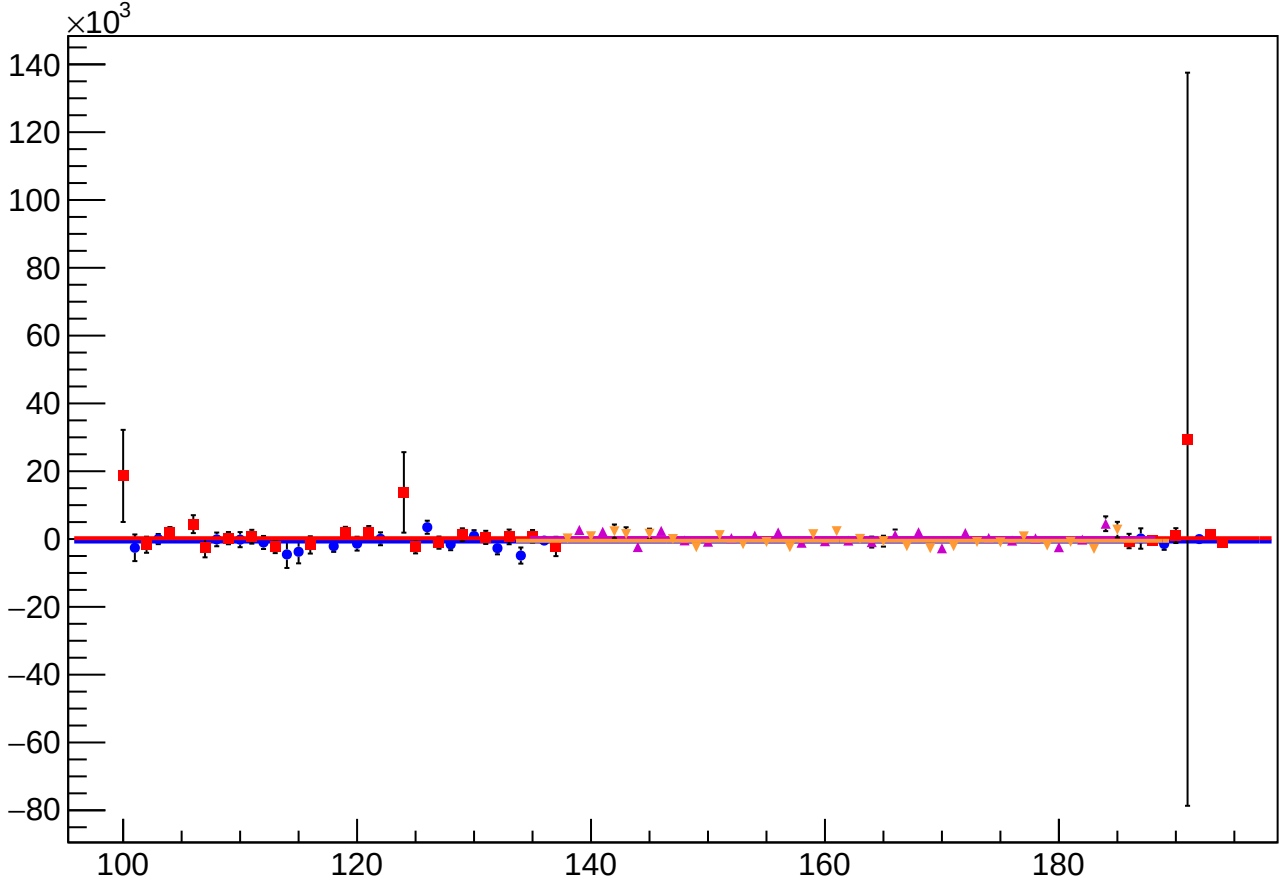
Right Out: 434.638+/-0.116 χ^2/NDF: 7231996.5/24

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 284.630+/-0.043 χ^2/NDF: 11522110.0/43

All: 289.967+/-0.031 χ^2/NDF: 23351037.9/91

- sign 295.568+/-0.044 χ^2/NDF: 11797075.8/47



Right In: -731.684+/-436.629 χ^2/NDF: 14.0/18

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 245.473+/-400.948 χ^2/NDF: 17.9/24

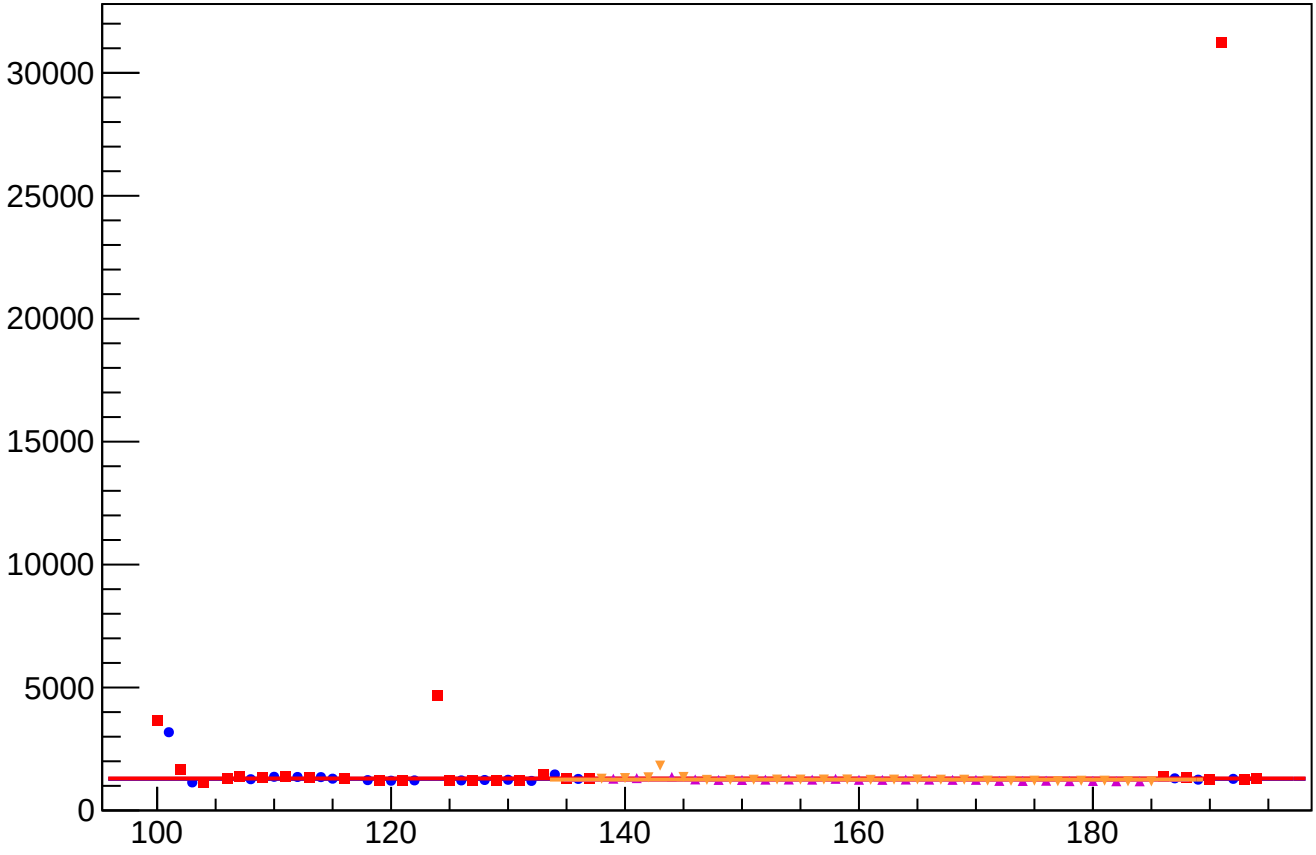
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -579.639+/-239.212 χ^2/NDF: 45.1/43

All: -161.735+/-167.856 χ^2/NDF: 101.0/91

- sign 243.633+/-235.597 χ^2/NDF: 49.9/47

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

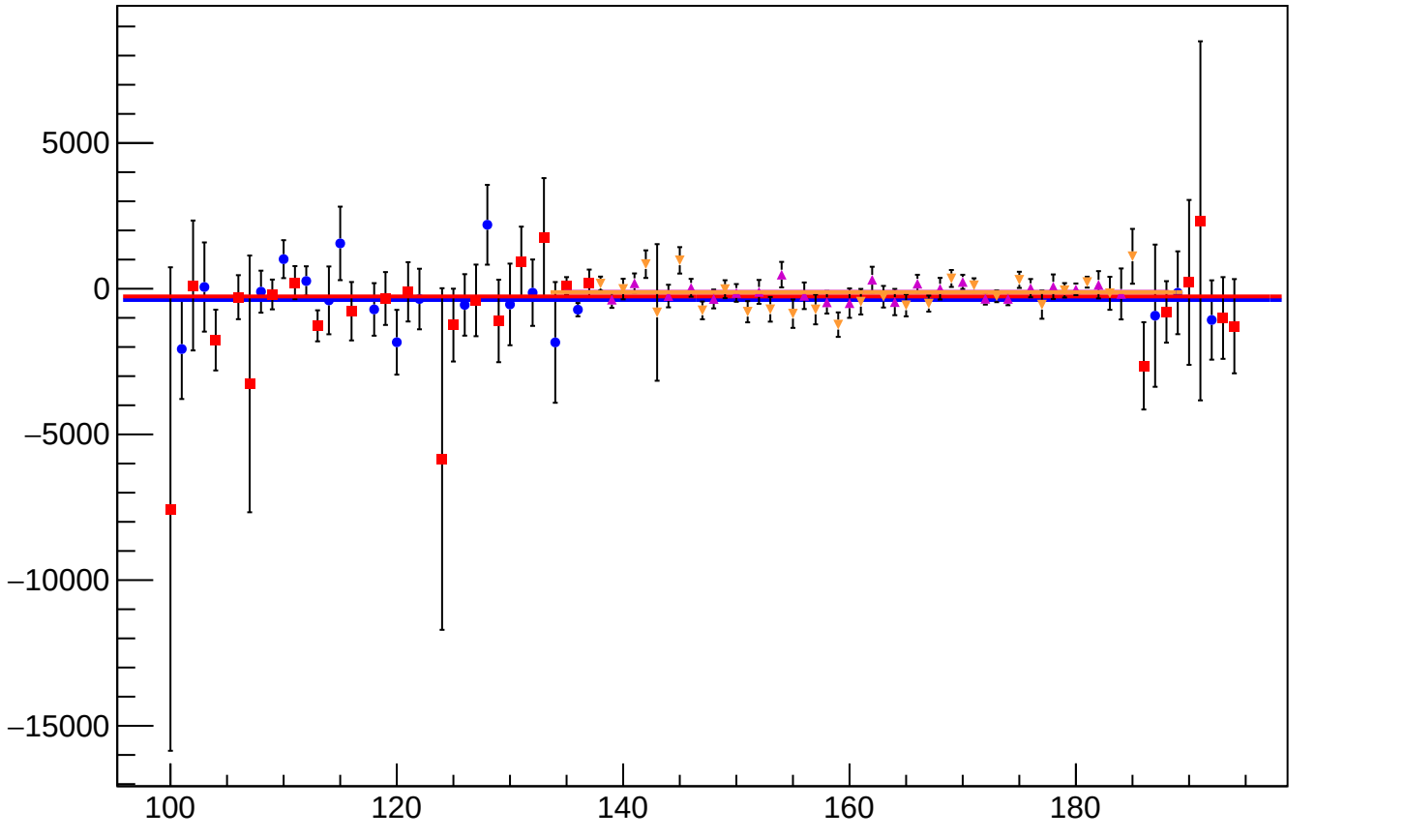
Right Out: 1300.176+/-0.284 χ^2/NDF: 488857.4/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.150+/-0.169 χ^2/NDF: 728155.3/43

All: 1264.550+/-0.119 χ^2/NDF: 1280475.7/91

- sign 1264.938+/-0.167 χ^2/NDF: 552309.4/47



Right In: -386.362+/-165.432 χ^2/NDF: 18.3/18

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

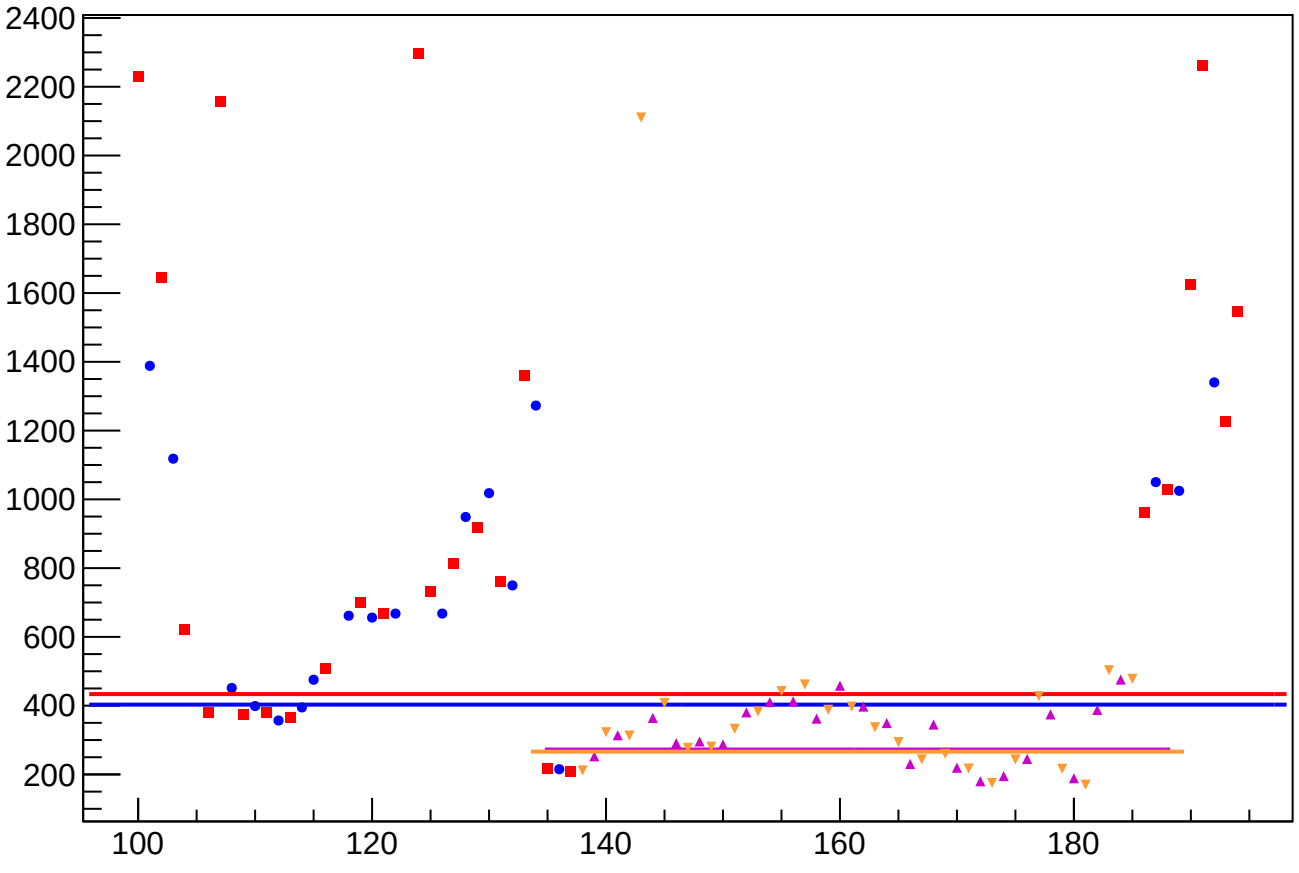
Right Out: -264.609+/-163.861 χ^2/NDF: 17.9/24

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -153.082+/-60.546 χ^2/NDF: 69.0/43

All: -141.804+/-43.324 χ^2/NDF: 101.5/91

- sign -129.971+/-62.018 χ^2/NDF: 32.4/47



Right In: 402.982+/-0.117 χ^2/NDF: 5712832.6/18

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

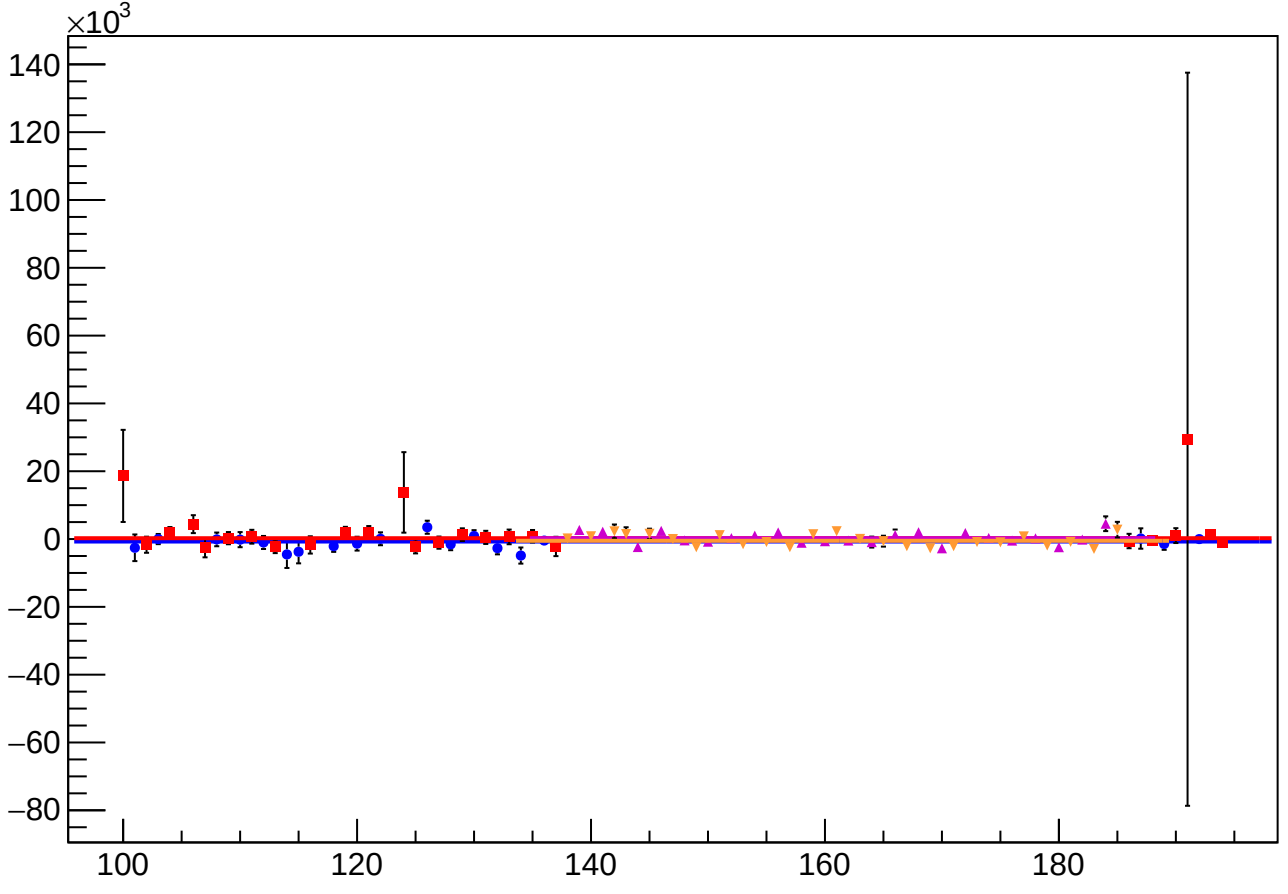
Right Out: 433.646+/-0.116 χ^2/NDF: 7244776.3/24

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 284.631+/-0.043 χ^2/NDF: 11524932.4/43

All: 289.925+/-0.031 χ^2/NDF: 23348350.4/91

- sign 295.479+/-0.044 χ^2/NDF: 11792088.7/47



Right In: -731.684+/-436.629 χ^2/NDF: 14.0/18

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

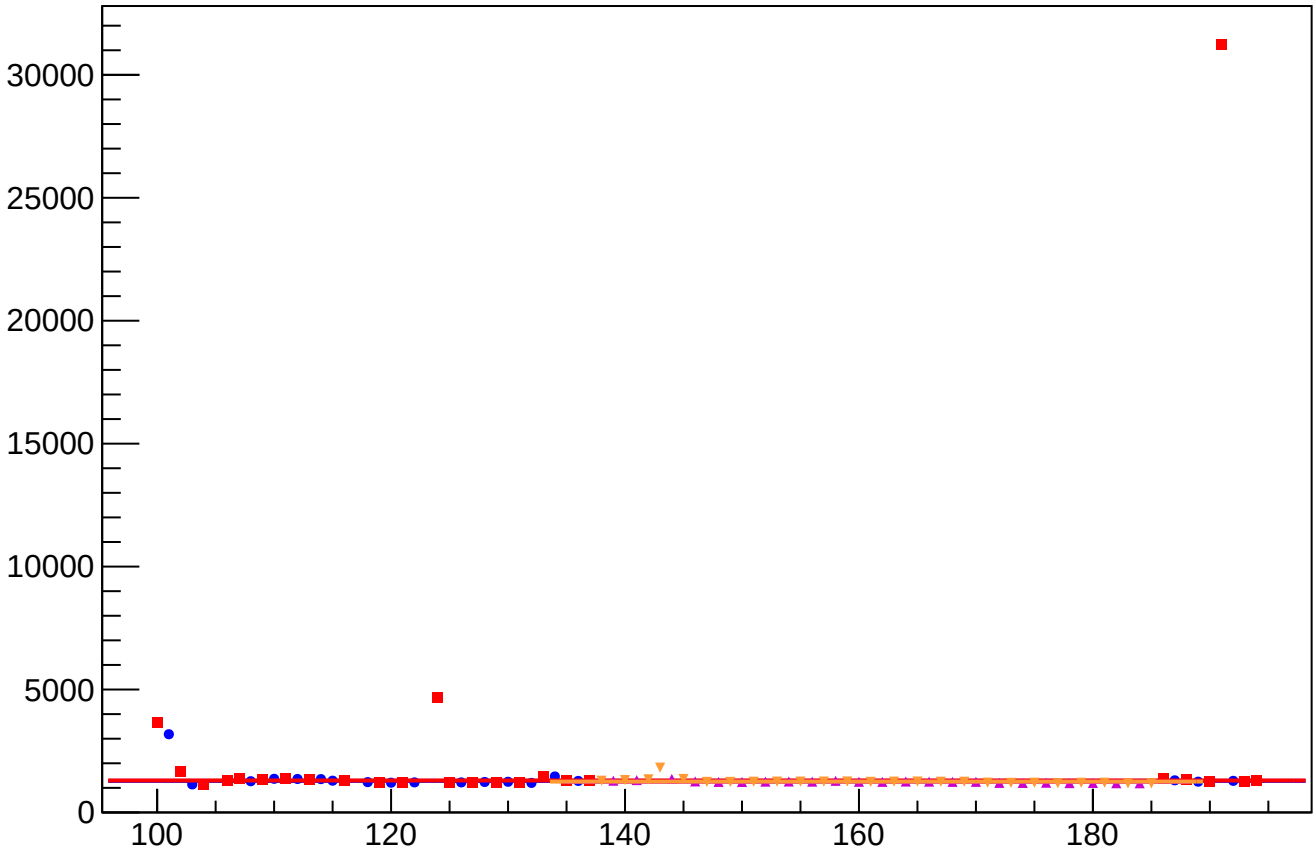
Right Out: 245.473+/-400.948 χ^2/NDF: 17.9/24

Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

\+ sign -579.639+/-239.212 χ^2/NDF: 45.1/43

All: -161.735+/-167.856 χ^2/NDF: 101.0/91

\- sign 243.633+/-235.597 χ^2/NDF: 49.9/47



Right In: 1284.287+/-0.309 χ^2/NDF: 518952.8/18

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

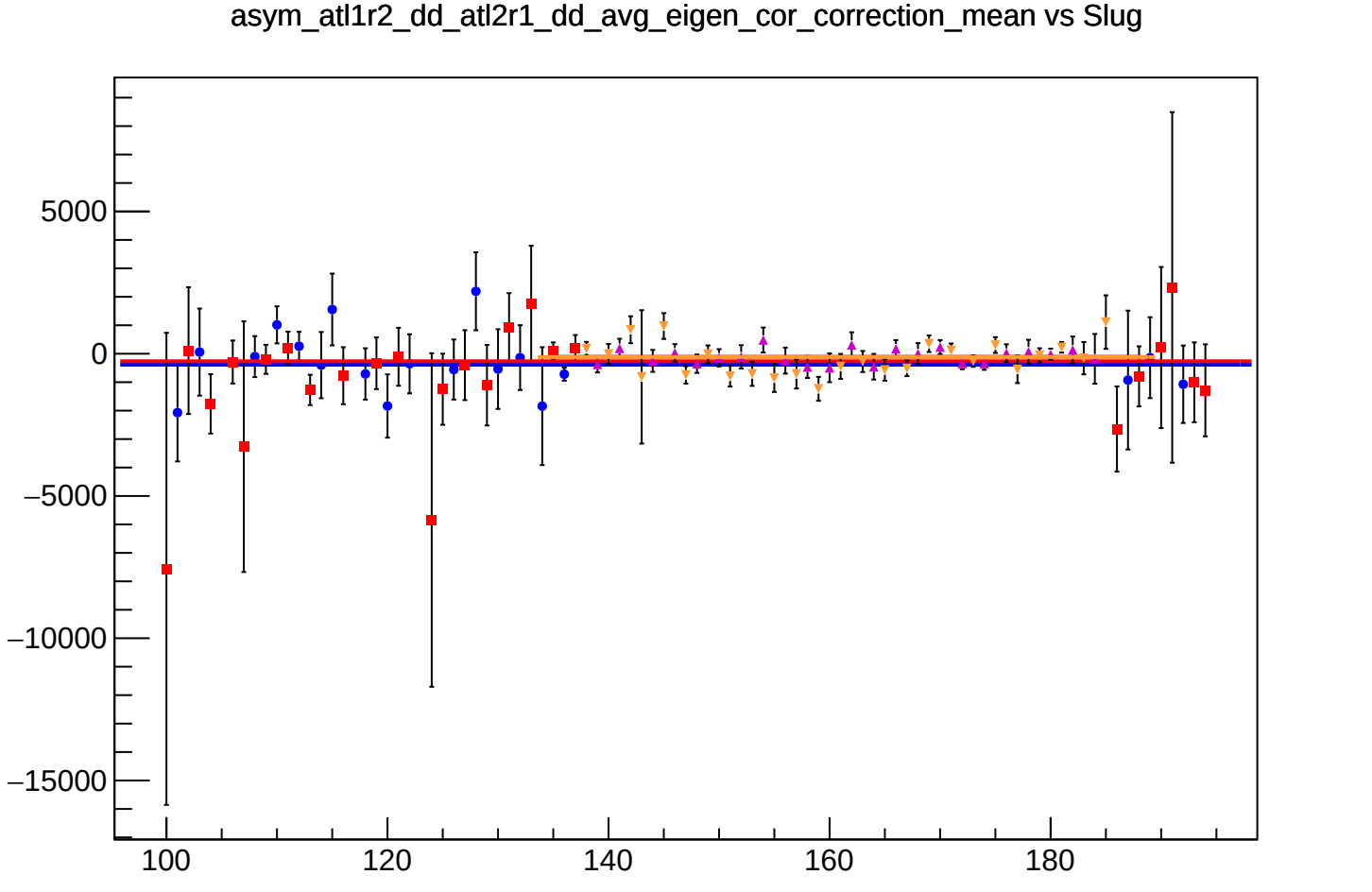
Right Out: 1300.176+/-0.284 χ^2/NDF: 488857.4/24

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.150+/-0.169 χ^2/NDF: 728155.3/43

All: 1264.550+/-0.119 χ^2/NDF: 1280475.7/91

- sign 1264.938+/-0.167 χ^2/NDF: 552309.4/47



Right In: -386.362+/-165.432 χ^2/NDF: 18.3/18

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

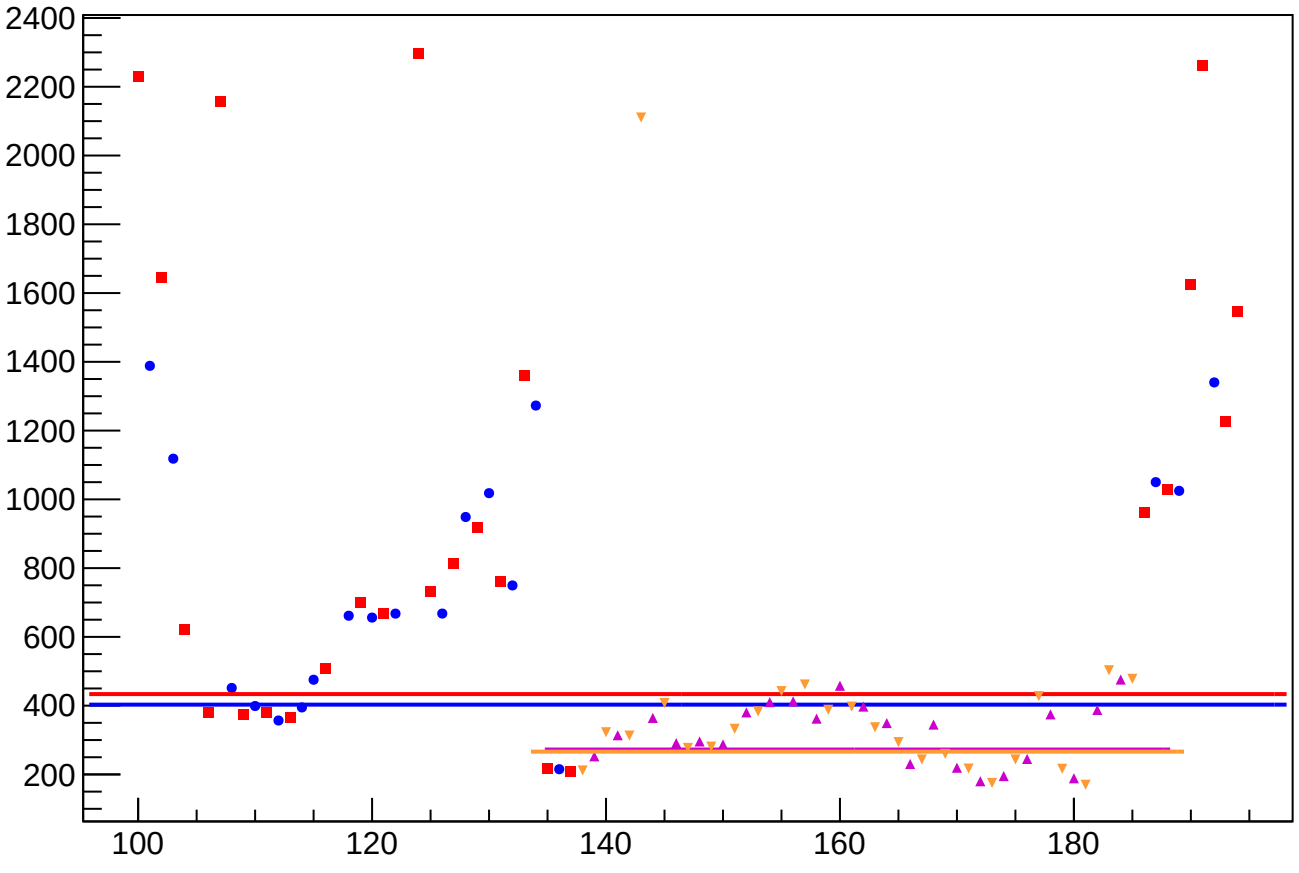
Right Out: -264.609+/-163.861 χ^2/NDF: 17.9/24

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -153.082+/-60.546 χ^2/NDF: 69.0/43

All: -141.804+/-43.324 χ^2/NDF: 101.5/91

- sign -129.971+/-62.018 χ^2/NDF: 32.4/47



Right In: 402.982+/-0.117 χ^2/NDF: 5712832.6/18

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

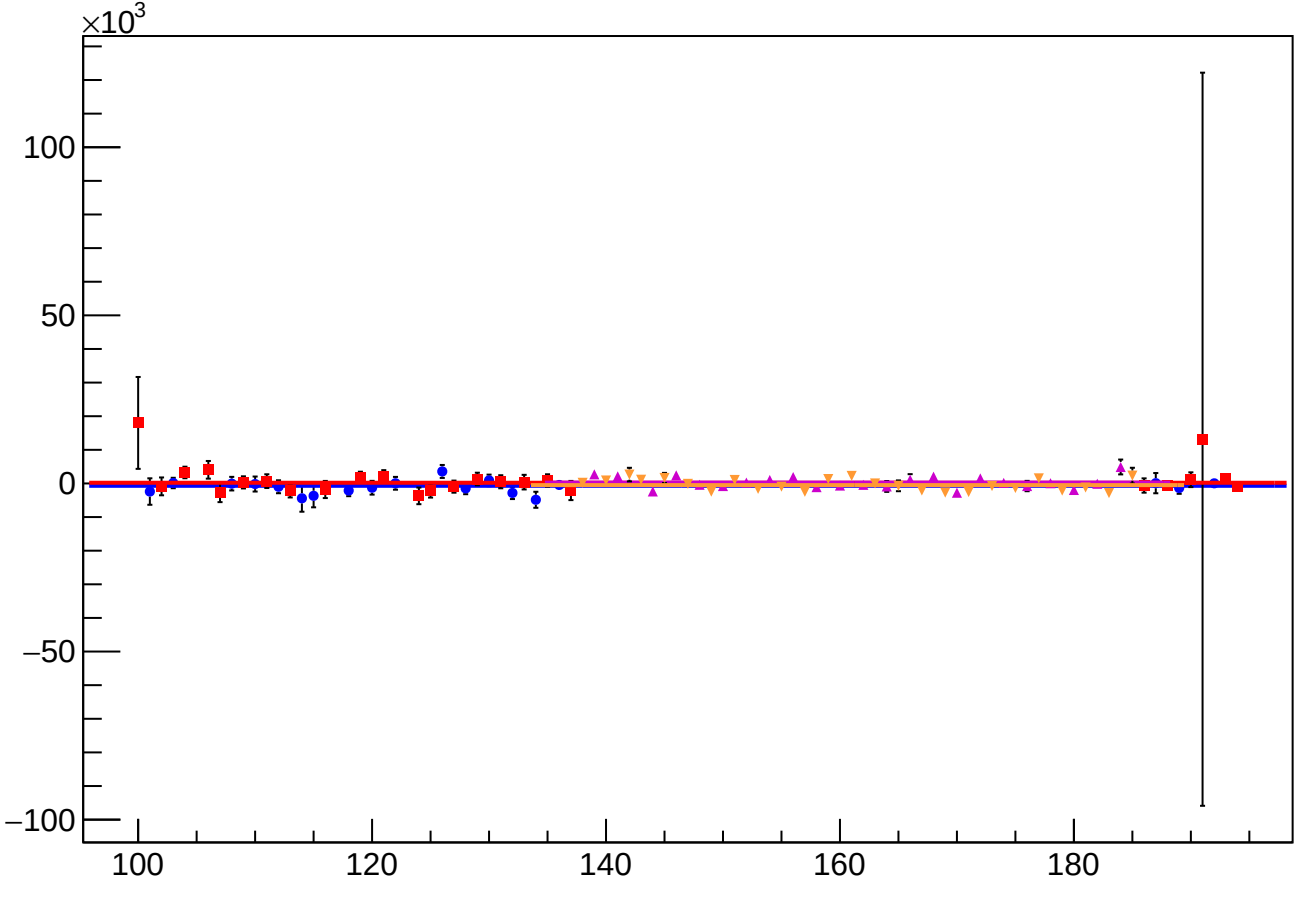
Right Out: 433.646+/-0.116 χ^2/NDF: 7244776.3/24

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 284.631+/-0.043 χ^2/NDF: 11524932.4/43

All: 289.925+/-0.031 χ^2/NDF: 23348350.4/91

- sign 295.479+/-0.044 χ^2/NDF: 11792088.7/47



Right In: -700.660+/-438.379 χ^2/NDF: 14.2/18

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 206.473+/-399.026 χ^2/NDF: 19.8/24

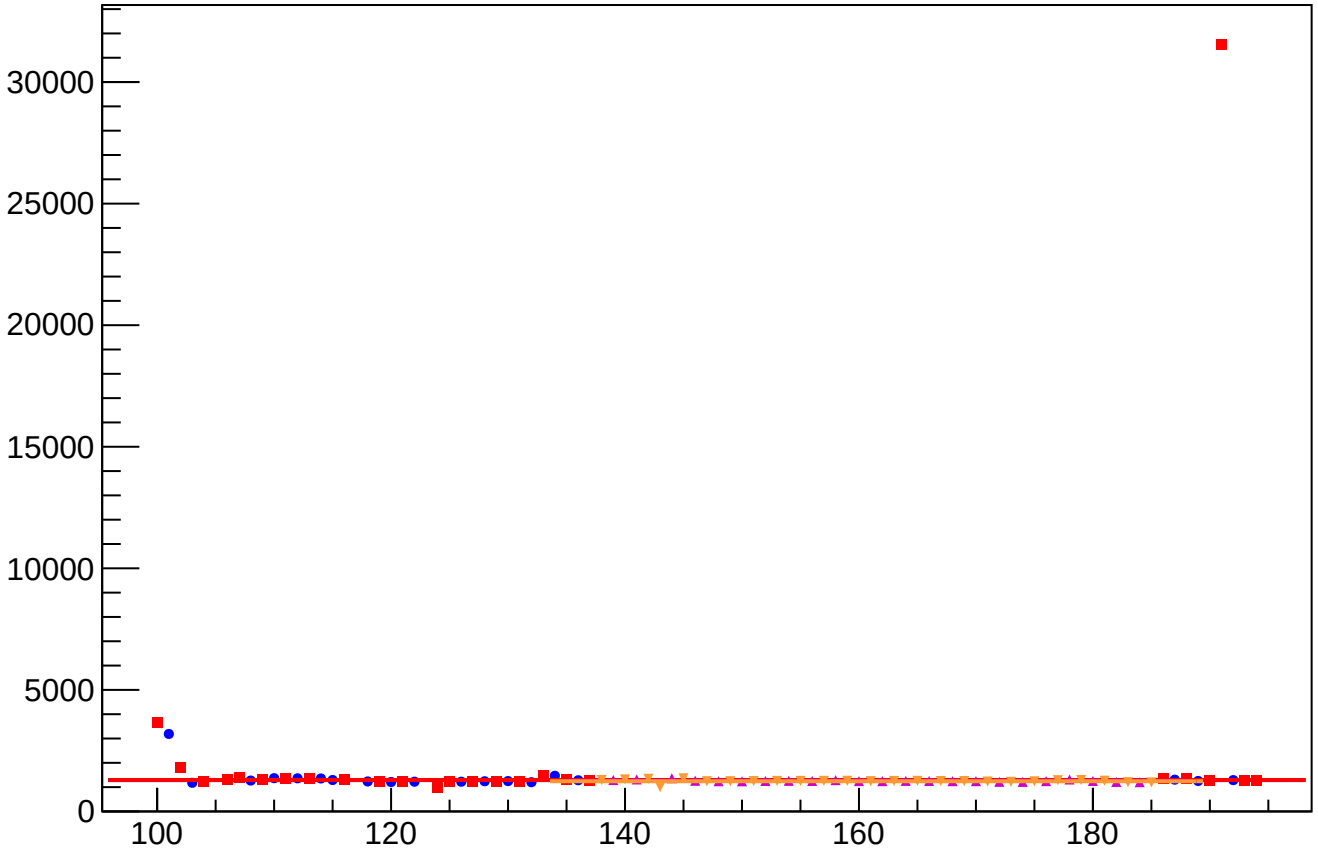
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -554.312+/-237.603 χ^2/NDF: 48.5/43

All: -161.202+/-167.751 χ^2/NDF: 104.5/91

- sign 229.483+/-236.869 χ^2/NDF: 50.5/47

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

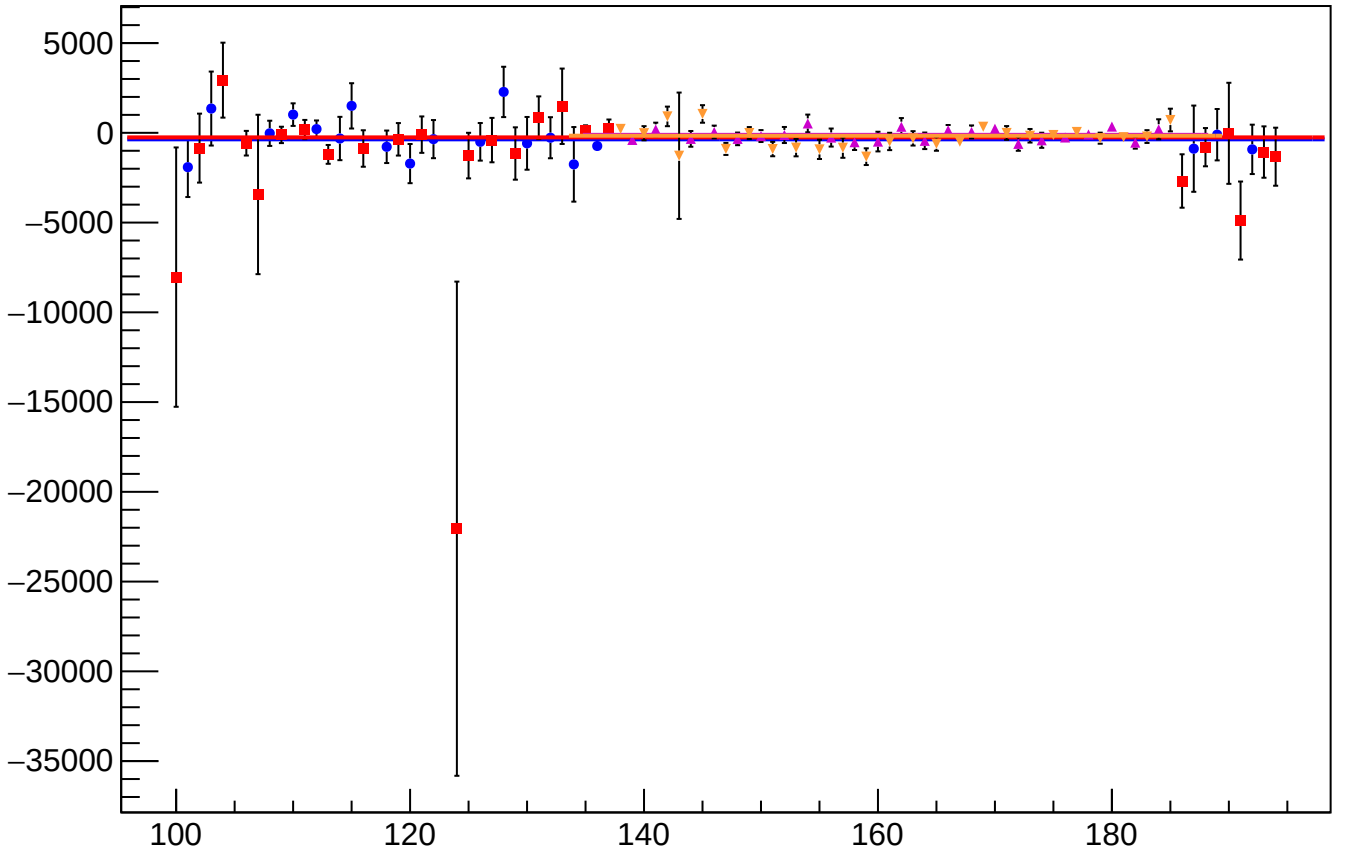
Right Out: 1294.248+/-0.282 χ^2/NDF: 371977.9/24

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1256.377+/-0.168 χ^2/NDF: 656691.9/43

All: 1264.277+/-0.119 χ^2/NDF: 1070500.3/91

- sign 1272.129+/-0.167 χ^2/NDF: 409399.5/47



Right In: -362.710+/-167.122 χ^2/NDF: 18.7/18

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

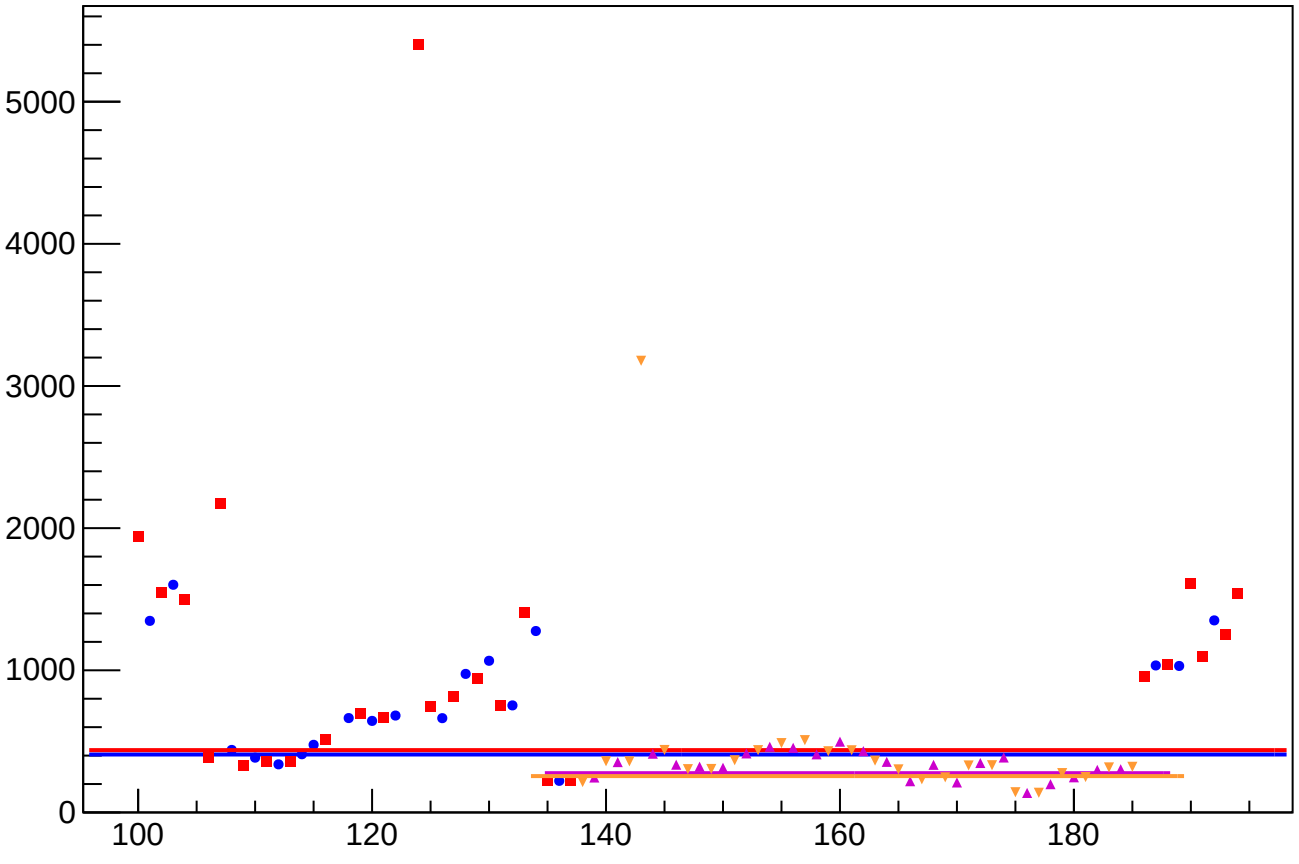
Right Out: -254.066+/-163.779 χ^2/NDF: 24.4/24

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -186.830+/-59.875 χ^2/NDF: 63.7/43

All: -162.324+/-43.551 χ^2/NDF: 107.3/91

- sign -134.794+/-63.462 χ^2/NDF: 43.2/47



Right In: 407.678+/-0.118 χ^2/NDF: 5821860.0/18

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

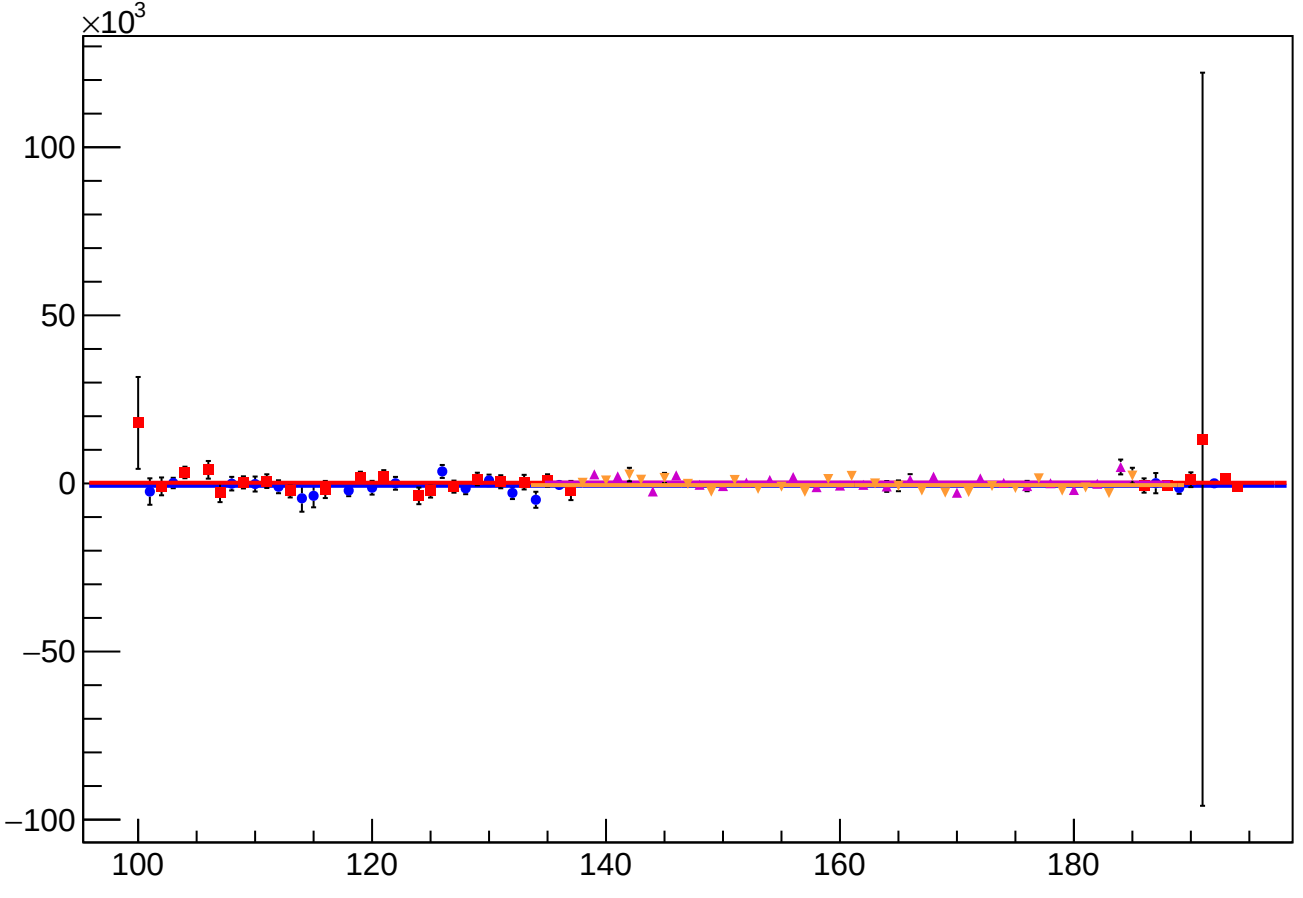
Right Out: 438.524+/-0.116 χ^2/NDF: 7753440.7/24

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 275.267+/-0.042 χ^2/NDF: 13636154.2/43

All: 287.224+/-0.031 χ^2/NDF: 27253957.0/91

- sign 300.656+/-0.045 χ^2/NDF: 13448455.3/47



Right In: -700.662+/-438.379 χ^2/NDF: 14.2/18

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

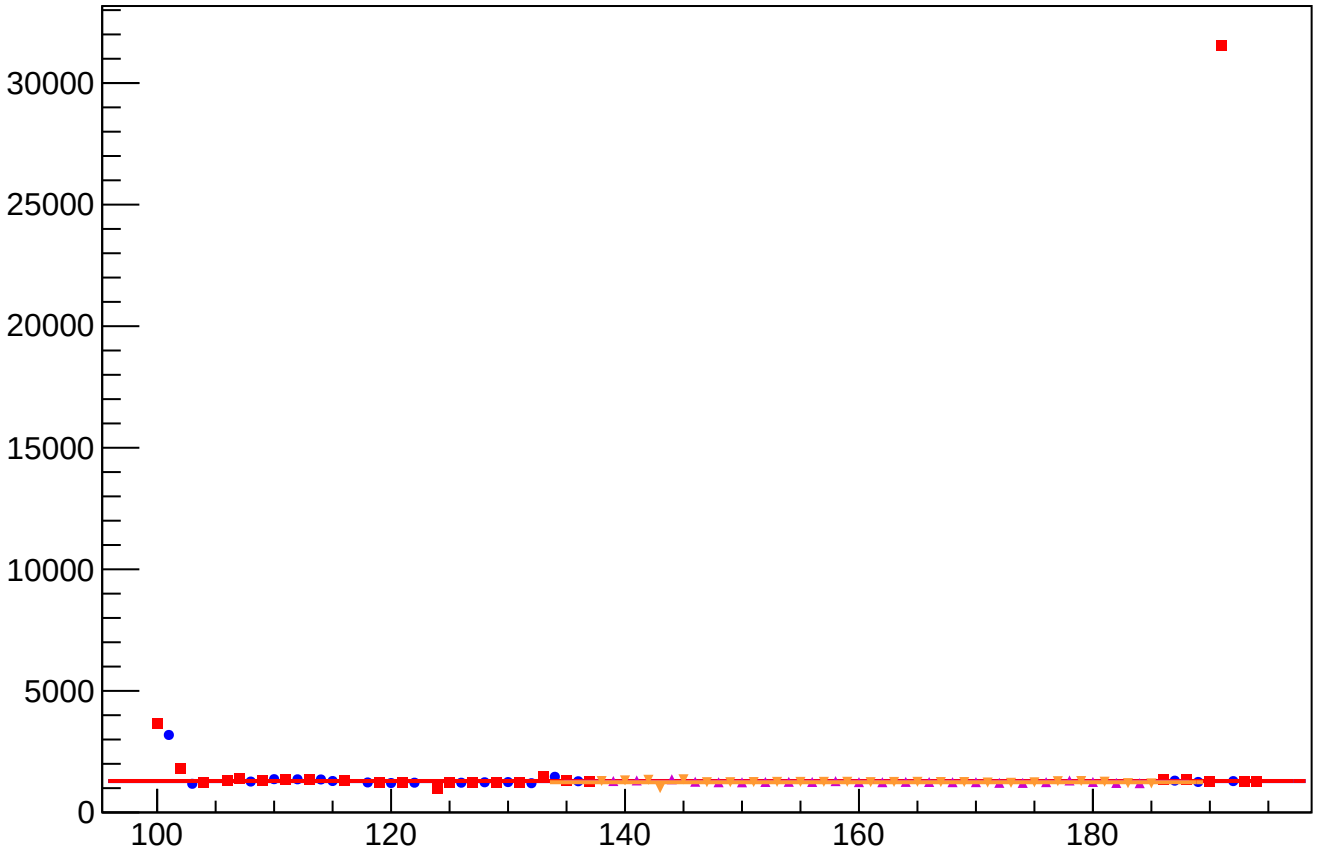
Right Out: 206.473+/-399.026 χ^2/NDF: 19.8/24

Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -554.312+/-237.603 χ^2/NDF: 48.5/43

All: -161.202+/-167.751 χ^2/NDF: 104.5/91

- sign 229.483+/-236.869 χ^2/NDF: 50.5/47



Right In: 1289.643+/-0.310 χ^2/NDF: 510361.1/18

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

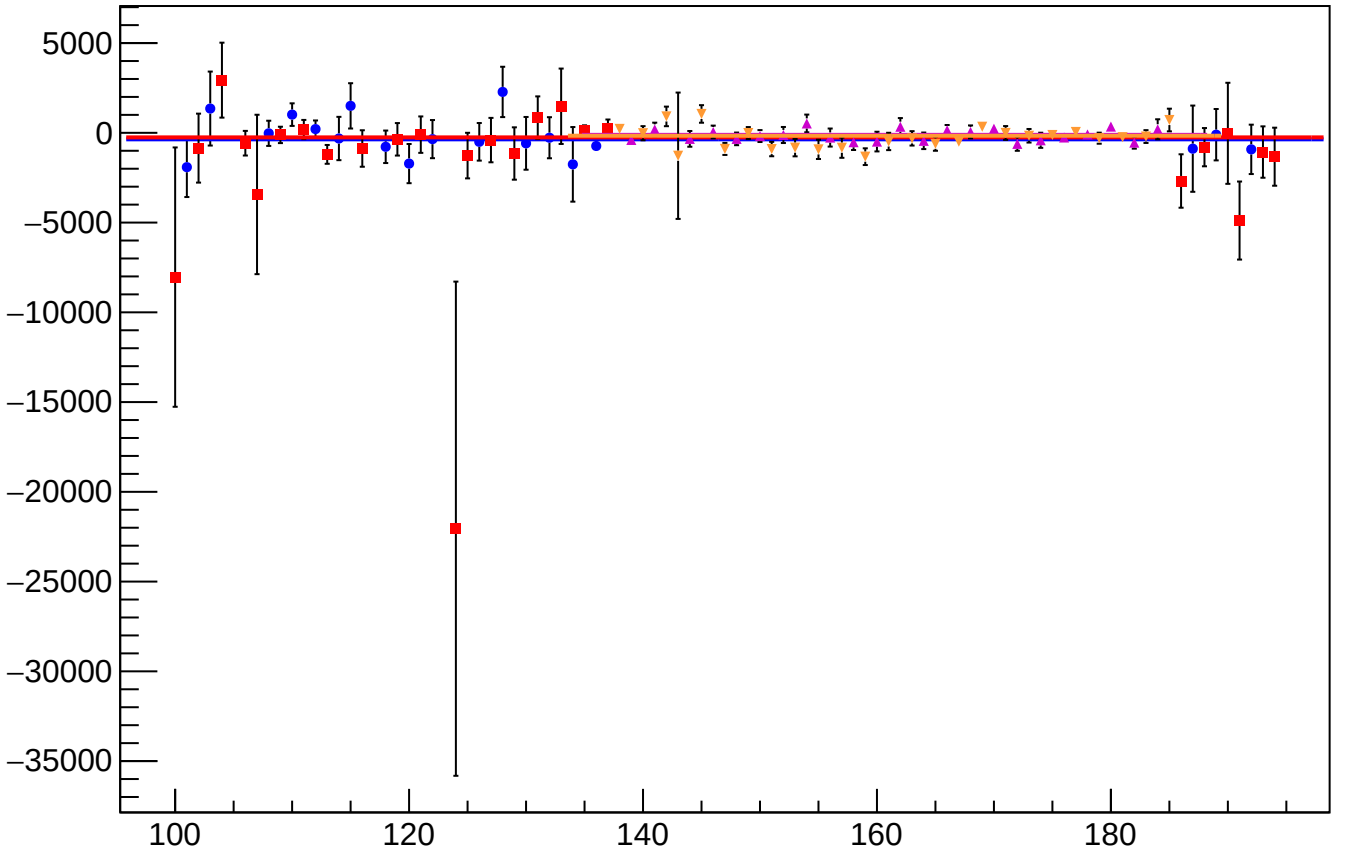
Right Out: 1294.248+/-0.282 χ^2/NDF: 371978.2/24

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1256.377+/-0.168 χ^2/NDF: 656691.0/43

All: 1264.277+/-0.119 χ^2/NDF: 1070499.7/91

- sign 1272.129+/-0.167 χ^2/NDF: 409399.9/47



Right In: -362.710+/-167.125 χ^2/NDF: 18.7/18

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

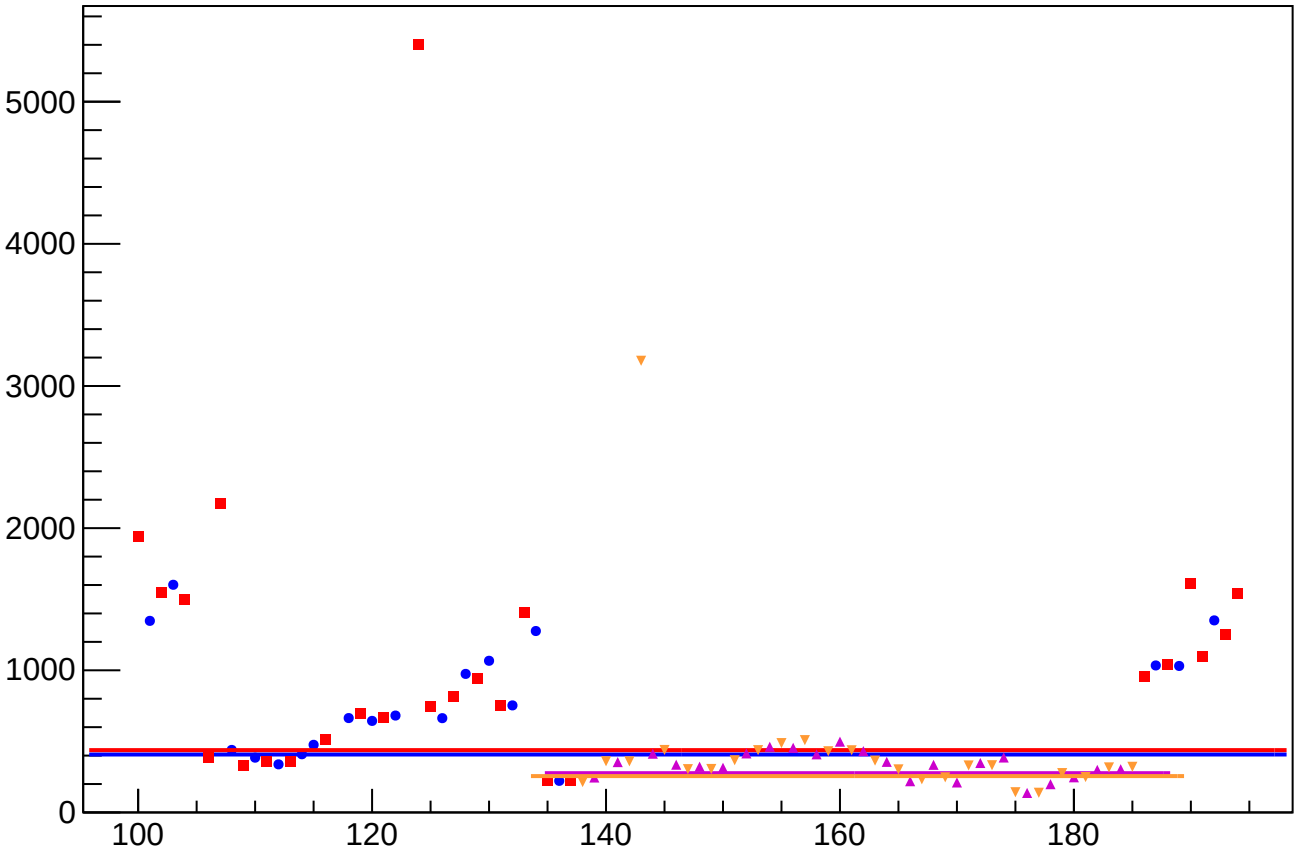
Right Out: -254.074+/-163.781 χ^2/NDF: 24.4/24

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -186.833+/-59.876 χ^2/NDF: 63.7/43

All: -162.325+/-43.551 χ^2/NDF: 107.3/91

- sign -134.793+/-63.463 χ^2/NDF: 43.2/47



Right In: 407.689+/-0.118 χ^2/NDF: 5821635.1/18

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

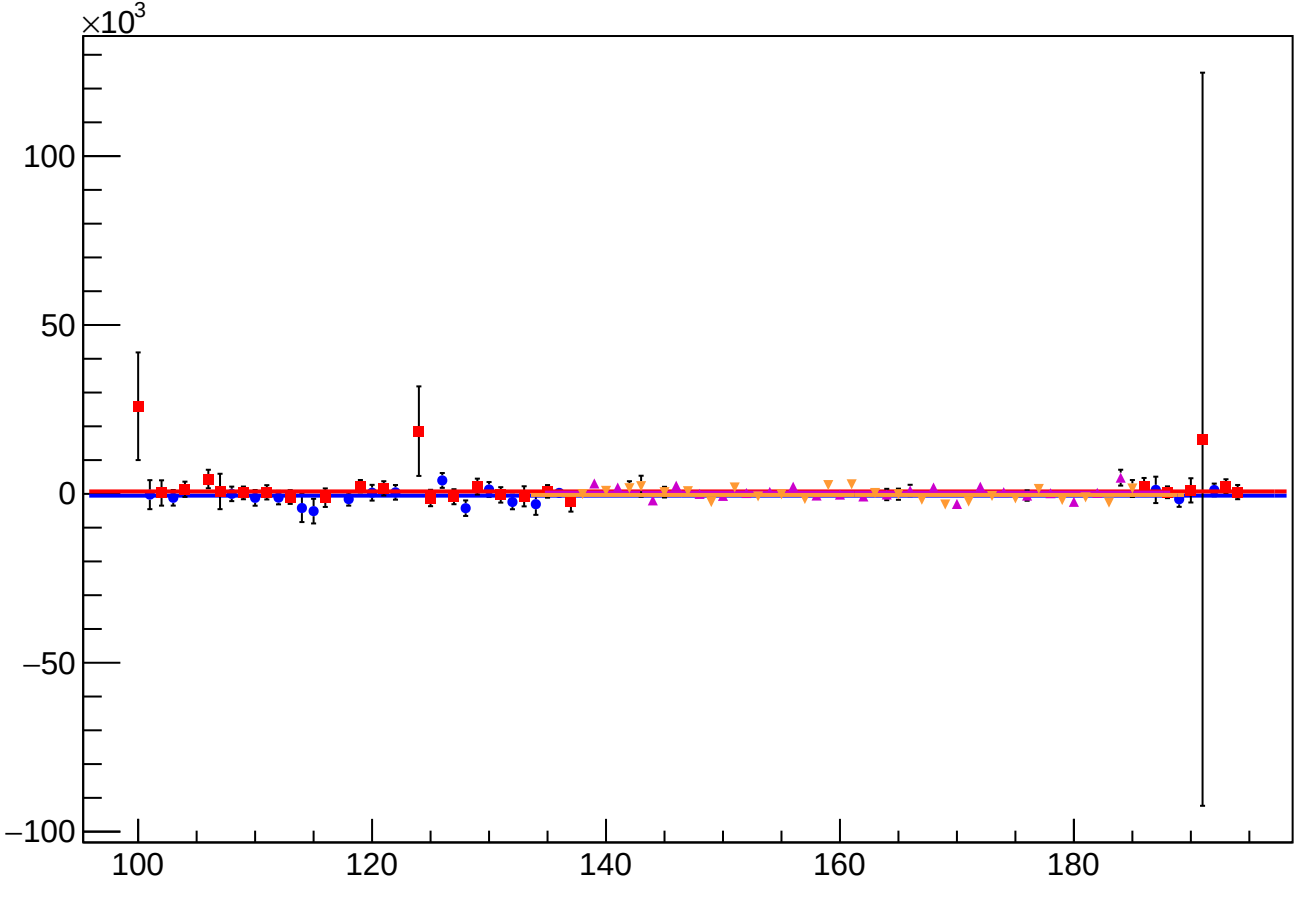
Right Out: 438.532+/-0.116 χ^2/NDF: 7753231.8/24

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 275.269+/-0.042 χ^2/NDF: 13635963.2/43

All: 287.226+/-0.031 χ^2/NDF: 27253638.7/91

- sign 300.657+/-0.045 χ^2/NDF: 13448340.1/47



Right In: -521.591+/-521.116 χ^2/NDF: 13.7/18

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 724.004+/-491.743 χ^2/NDF: 12.3/24

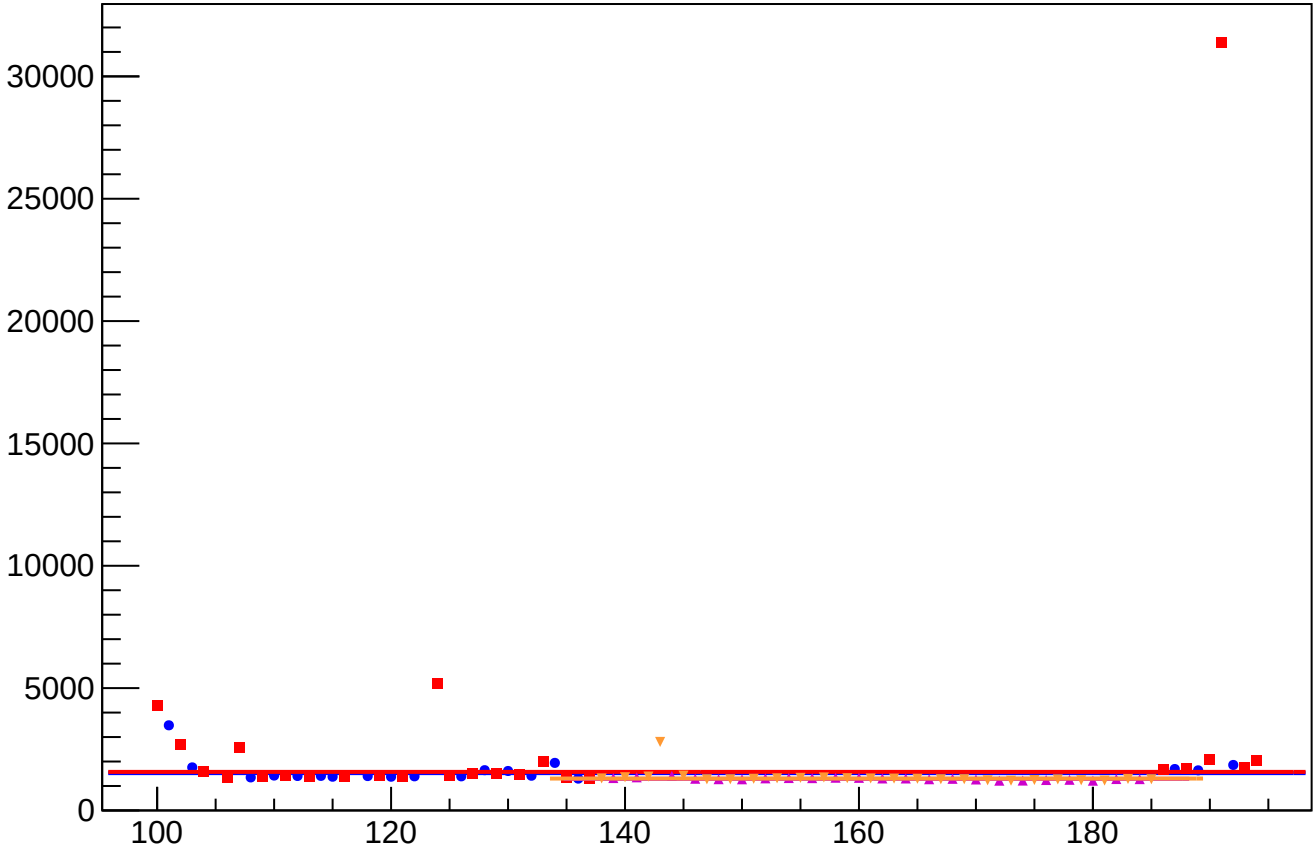
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -369.552+/-258.866 χ^2/NDF: 45.4/43

All: 46.270+/-182.484 χ^2/NDF: 92.9/91

- sign 457.020+/-257.283 χ^2/NDF: 42.4/47

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

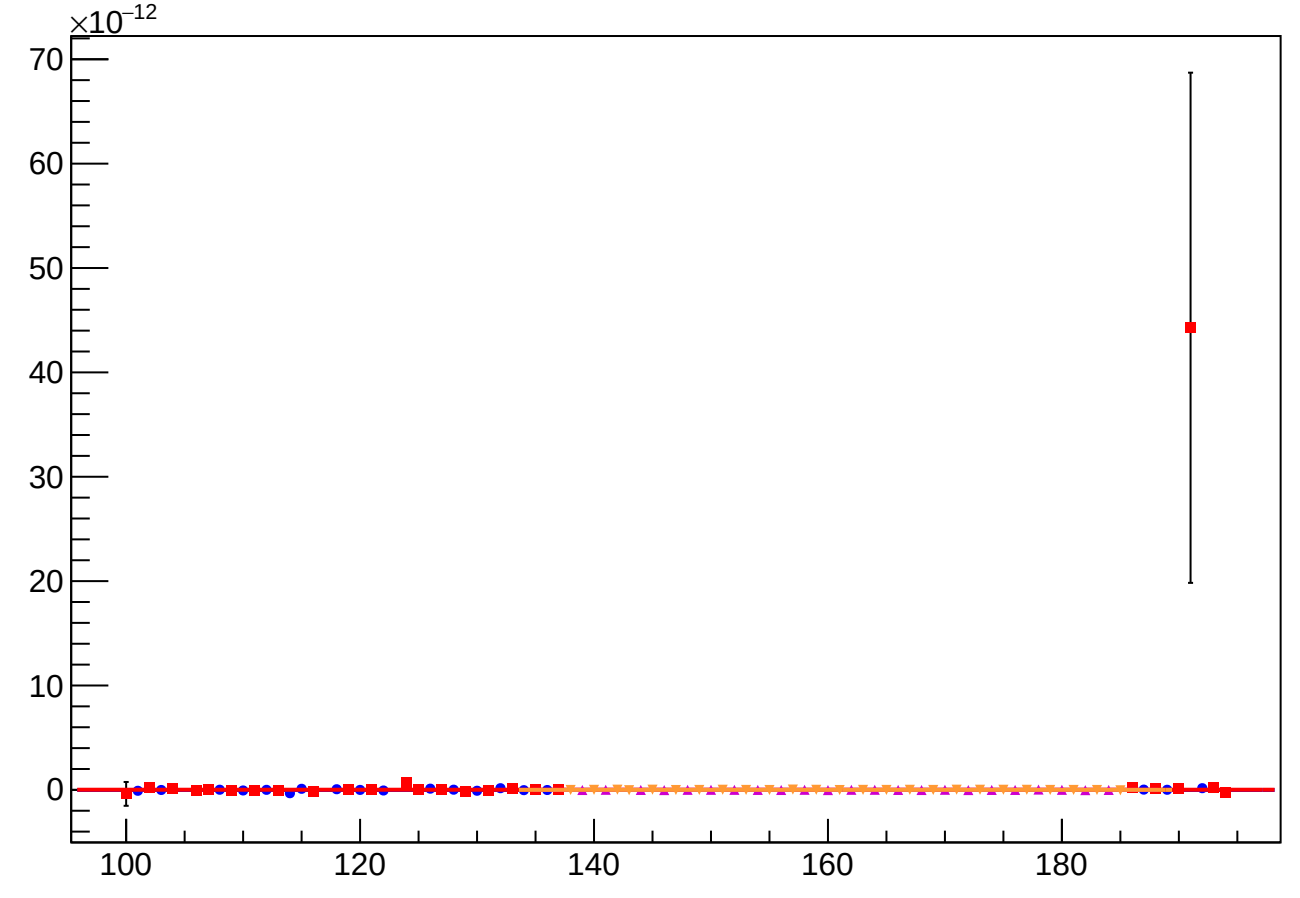
Right Out: 1576.180+/-0.348 χ^2/NDF: 975572.1/24

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1358.846+/-0.183 χ^2/NDF: 1458014.6/43

All: 1364.398+/-0.129 χ^2/NDF: 2968439.0/91

- sign 1369.883+/-0.182 χ^2/NDF: 1508595.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 10.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

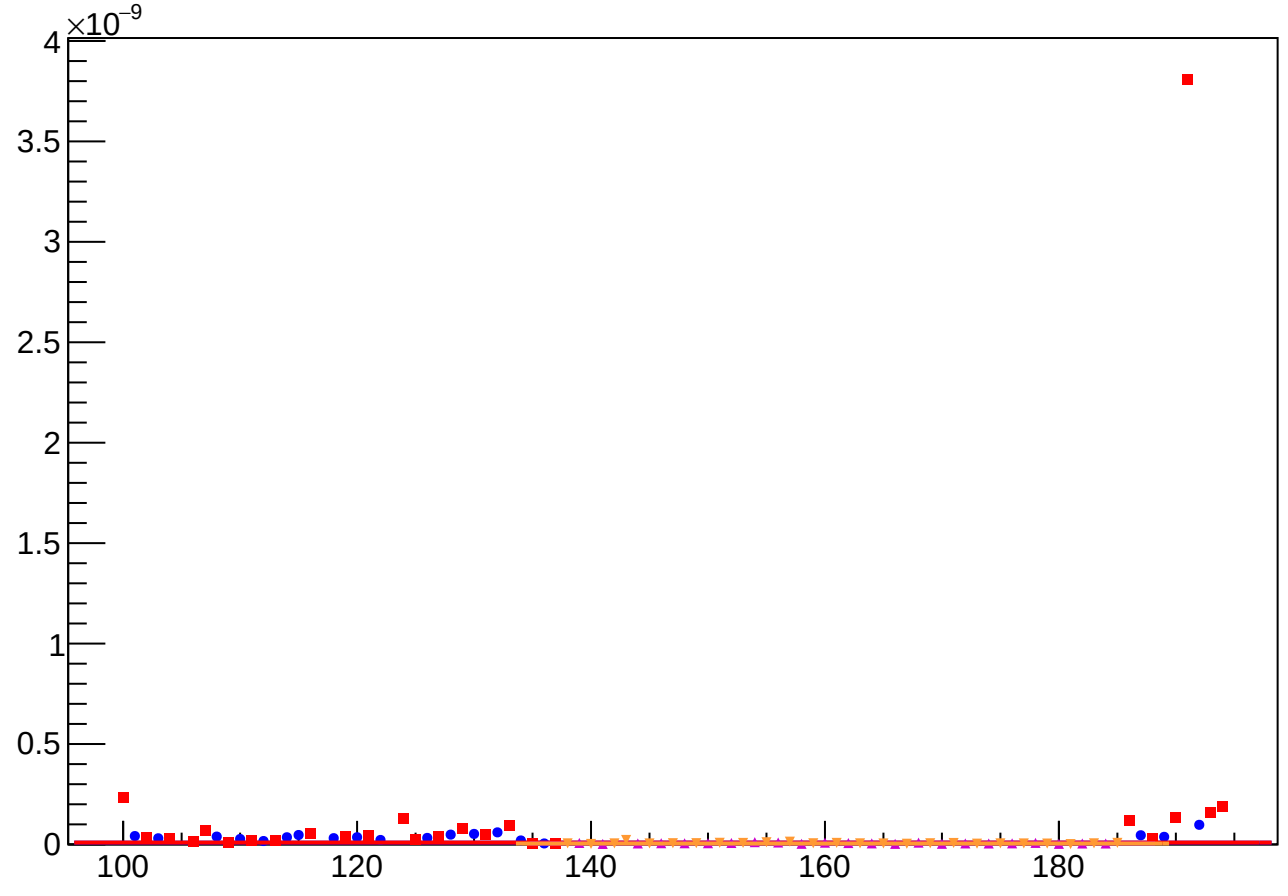
Right Out: 0.000+/-0.000 χ^2/NDF: 31.7/24

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.6/43

All: 0.000+/-0.000 χ^2/NDF: 101.2/91

- sign 0.000+/-0.000 χ^2/NDF: 63.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 3883043.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

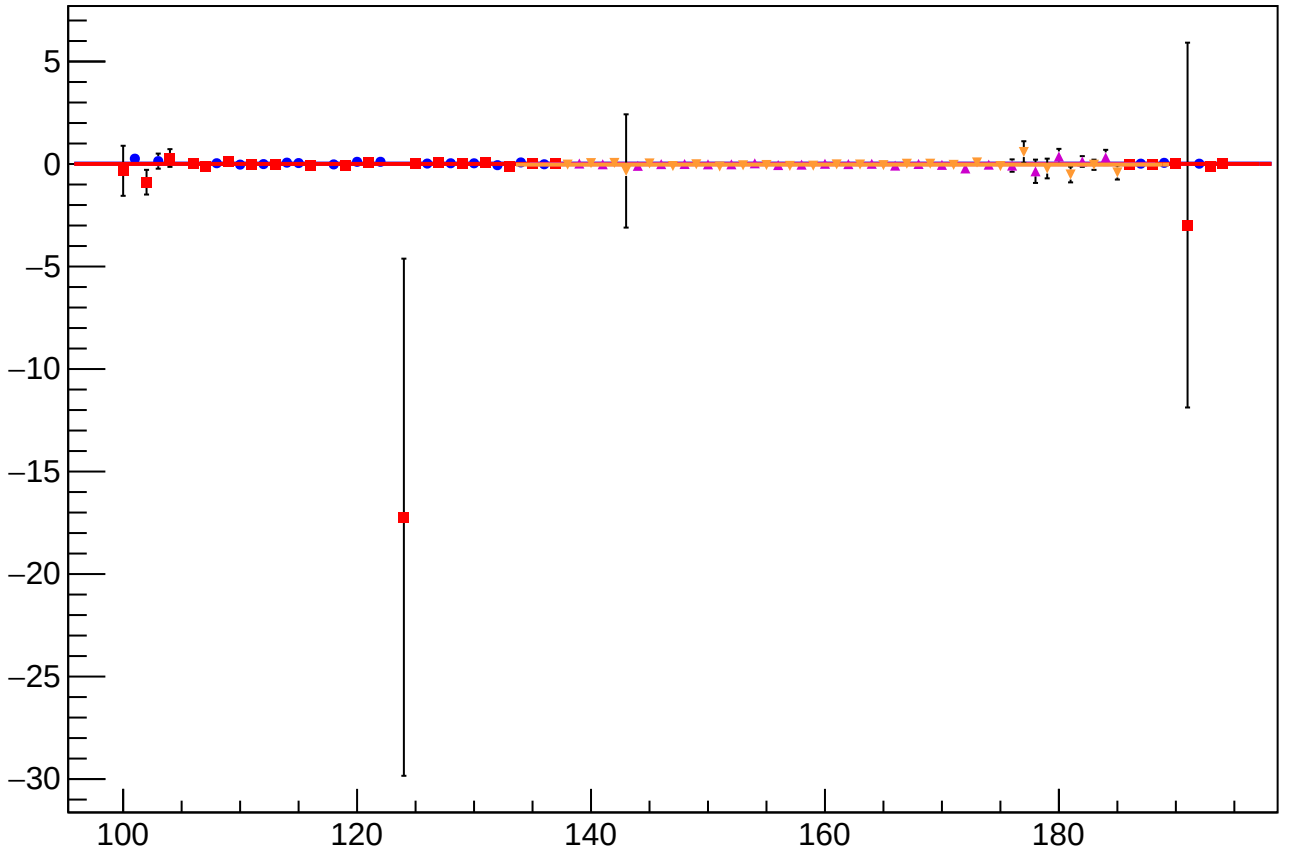
Right Out: 0.000+/-0.000 χ^2/NDF: 5914951.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7228837.9/43

All: 0.000+/-0.000 χ^2/NDF: 15685516.5/91

- sign 0.000+/-0.000 χ^2/NDF: 8431722.4/47



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

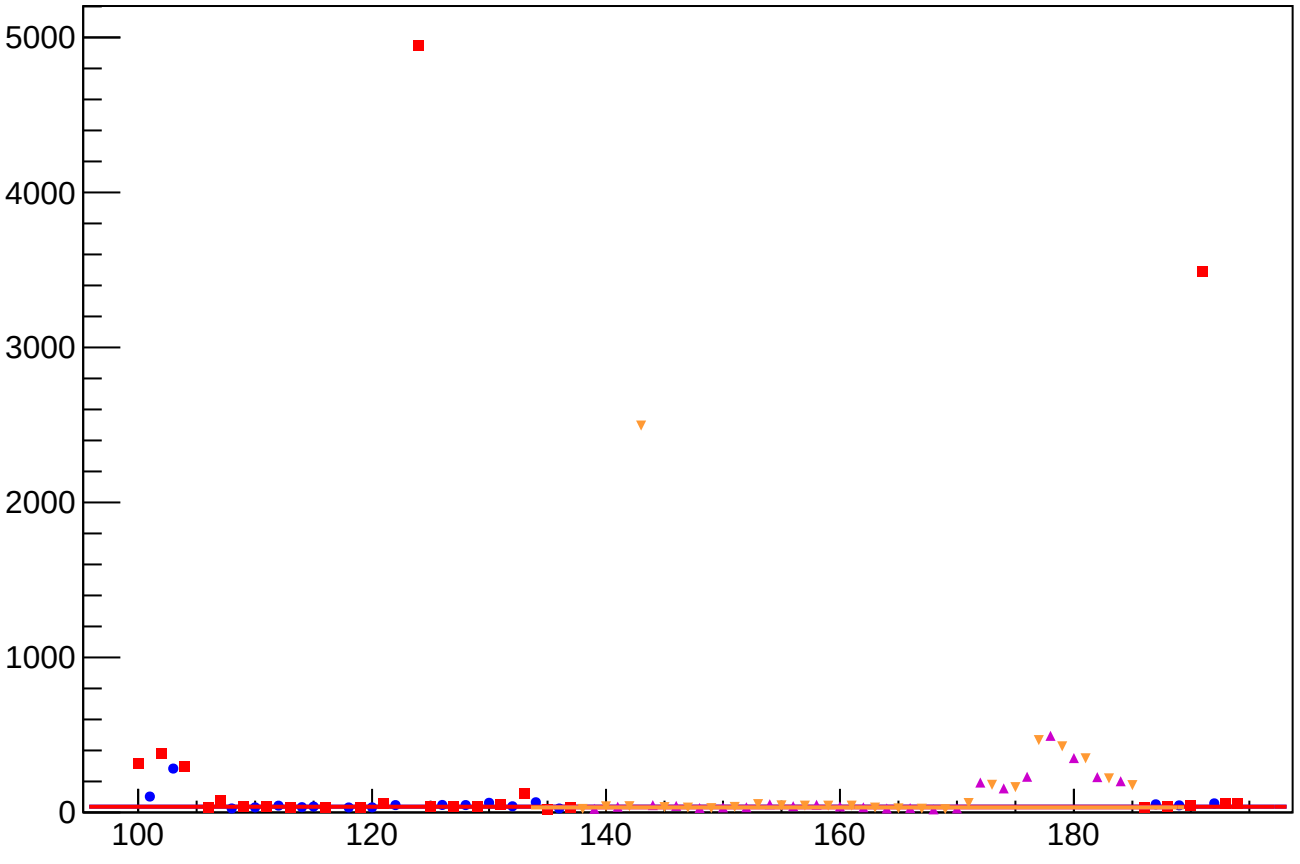
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.010+/-0.006 χ^2/NDF: 81.8/91

- sign -0.005+/-0.008 χ^2/NDF: 34.2/47



Right In: 37.488+/-0.010 χ^2/NDF: 2544712.0/18

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 36.881+/-0.009 χ^2/NDF: 3779792.3/24

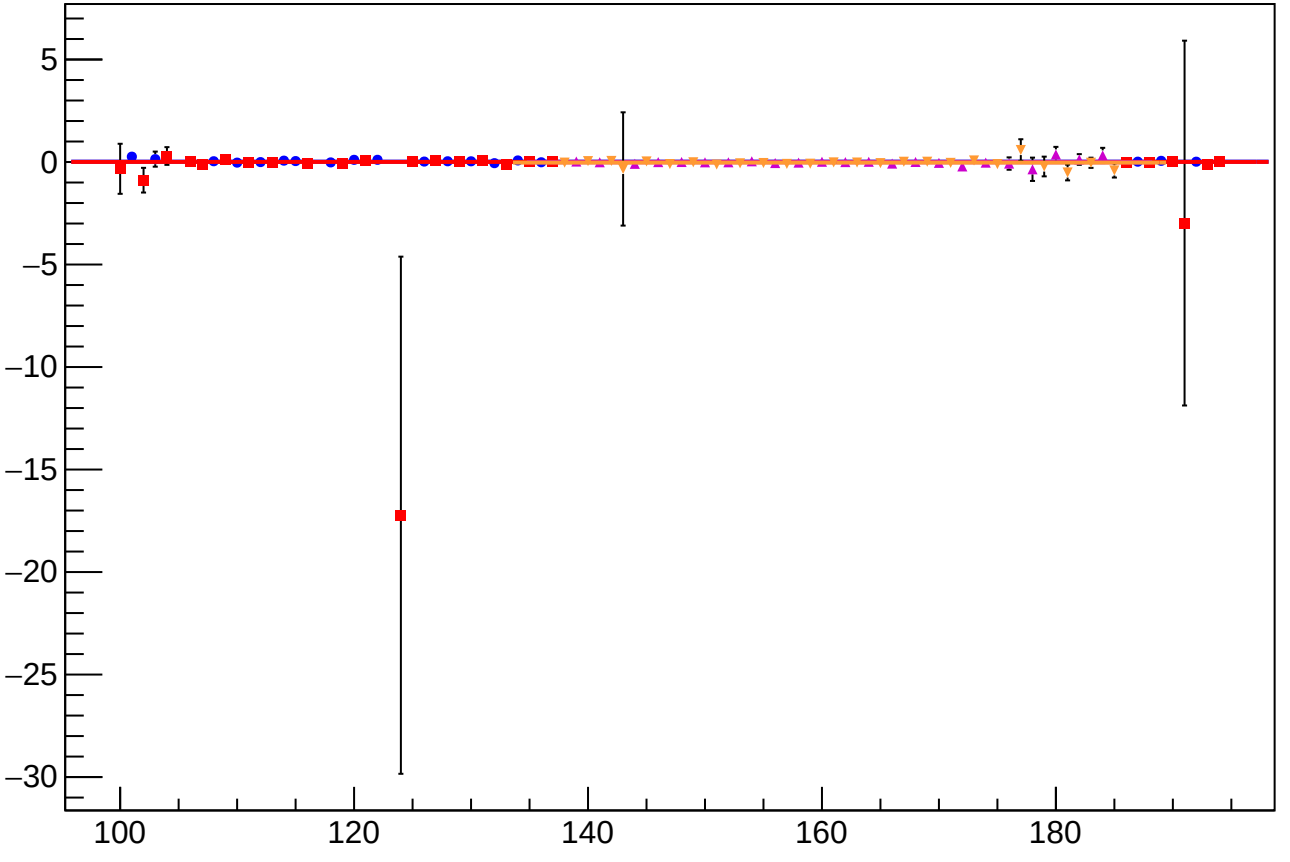
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576693.3/43

All: 34.080+/-0.004 χ^2/NDF: 26448163.5/91

- sign 34.135+/-0.005 χ^2/NDF: 12871259.0/47

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

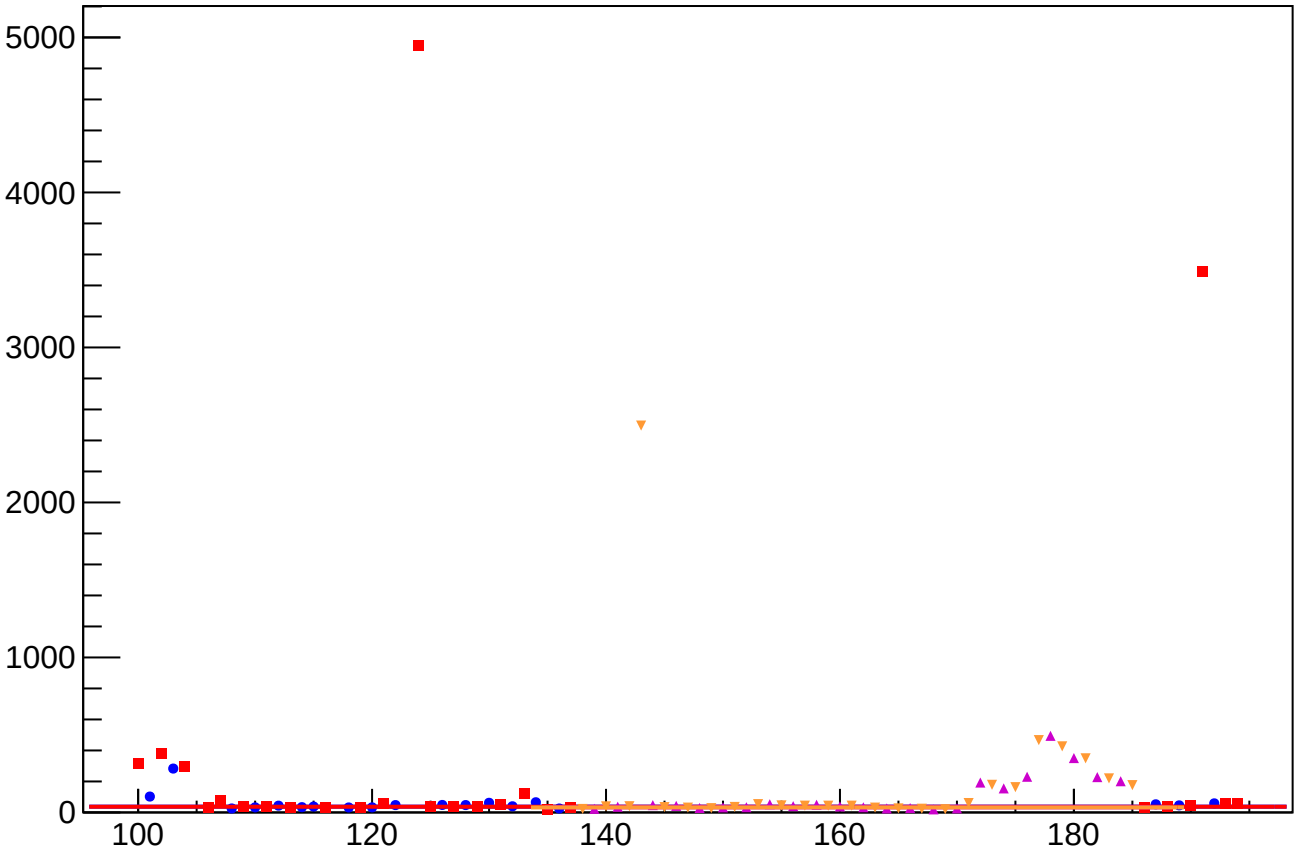
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/24

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: 81.8/91

- sign -0.005+/-0.008 χ^2/NDF: 34.2/47



Right In: 37.488+/-0.010 χ^2/NDF: 2544712.0/18

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

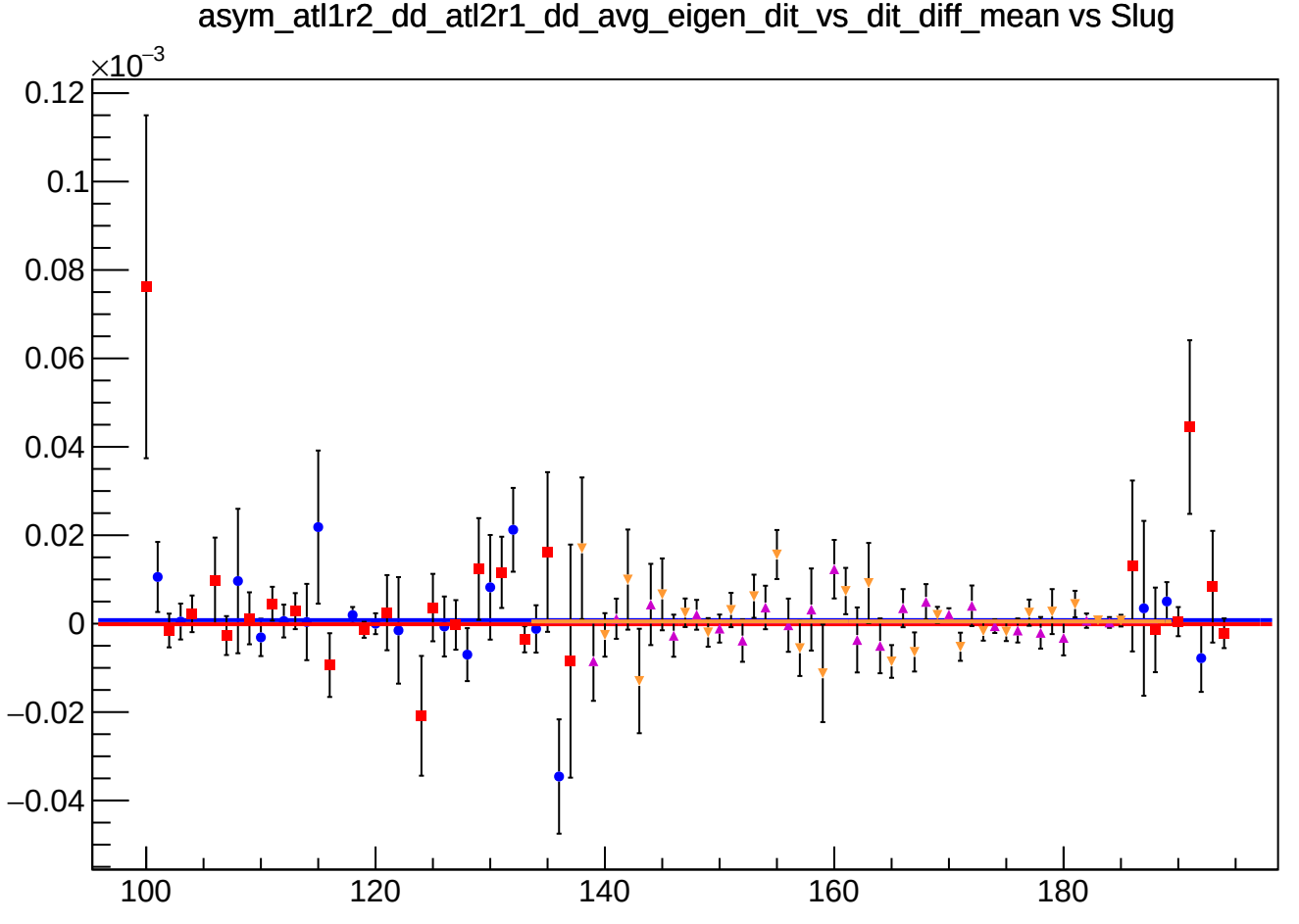
Right Out: 36.881+/-0.009 χ^2/NDF: 3779792.3/24

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576693.3/43

All: 34.080+/-0.004 χ^2/NDF: 26448163.5/91

- sign 34.135+/-0.005 χ^2/NDF: 12871259.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

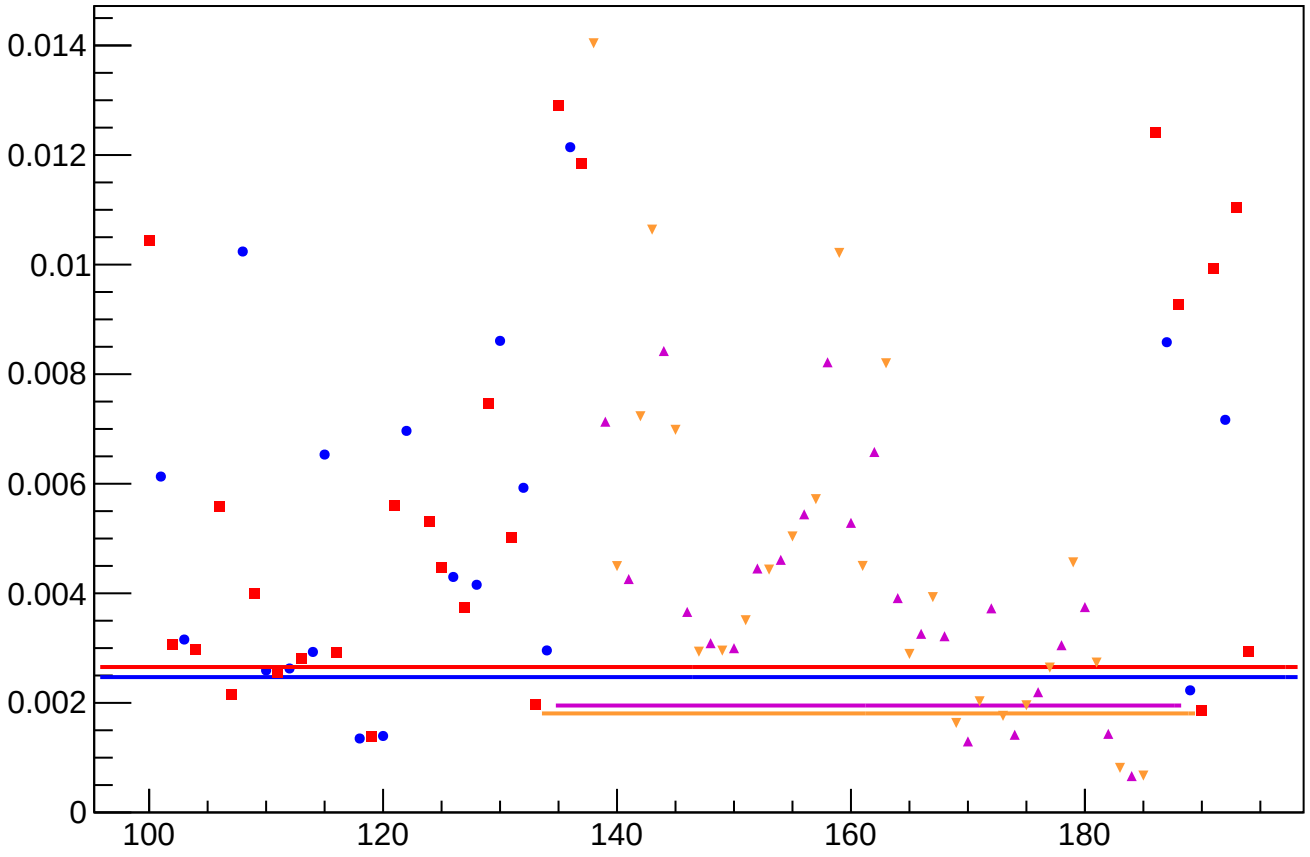
Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/24

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.1/43

All: 0.000+/-0.000 χ^2/NDF: 95.8/91

- sign 0.000+/-0.000 χ^2/NDF: 38.5/47



Right In: 0.002+/-0.000 χ^2/NDF: 5694208.4/18

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

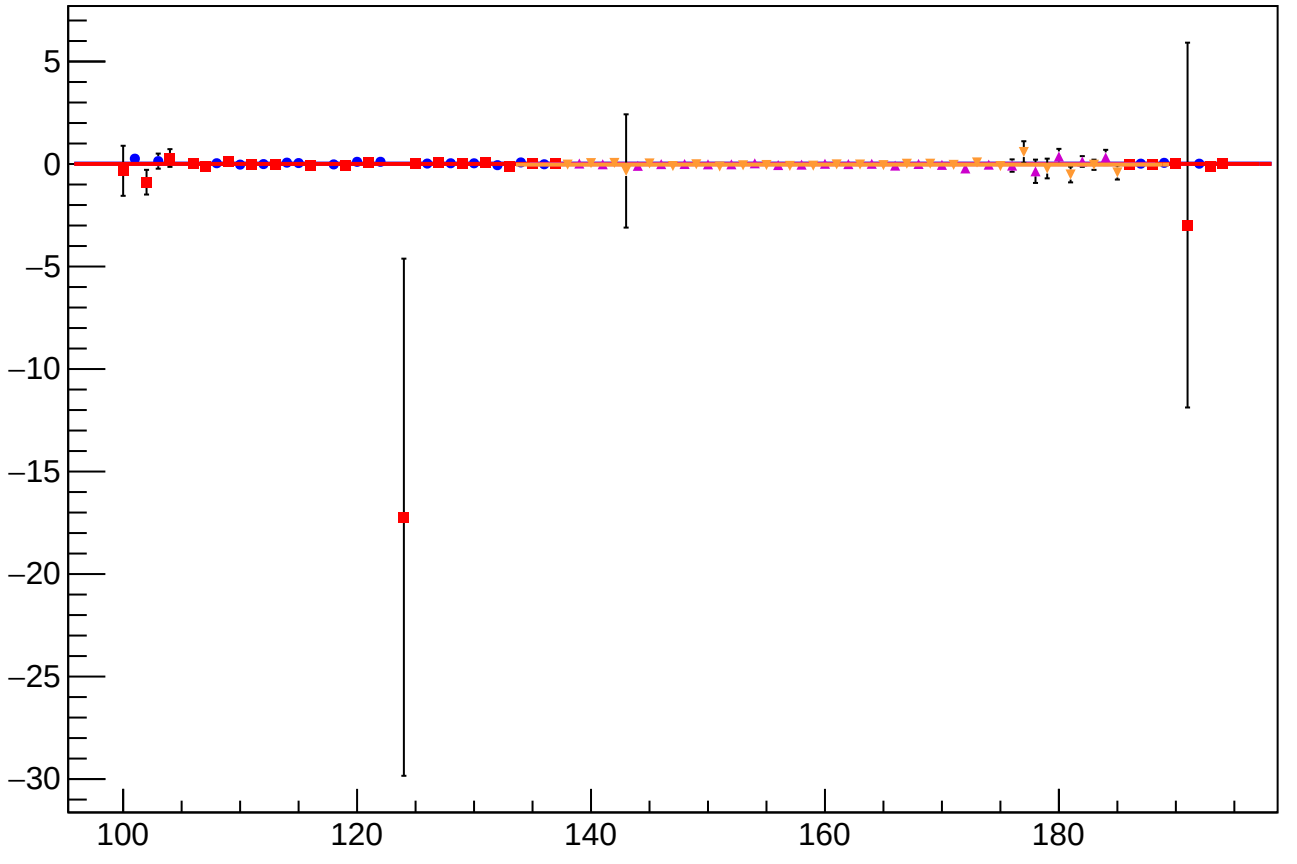
Right Out: 0.003+/-0.000 χ^2/NDF: 6184135.6/24

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 21253494.4/43

All: 0.002+/-0.000 χ^2/NDF: 39855122.5/91

- sign 0.002+/-0.000 χ^2/NDF: 18442468.5/47



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

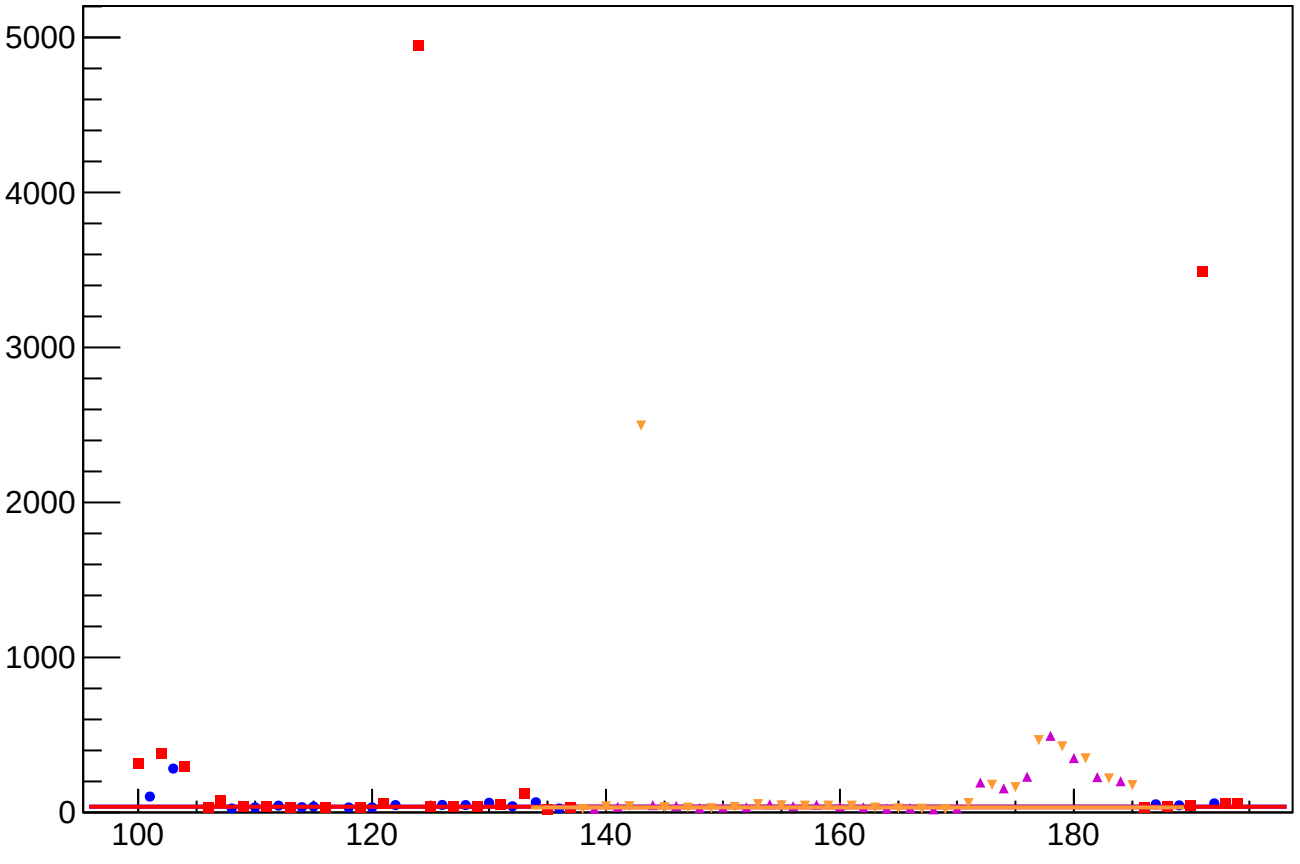
Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/24

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.010+/-0.006 χ^2/NDF: 81.8/91

- sign -0.005+/-0.008 χ^2/NDF: 34.2/47



Right In: 37.489+/-0.010 χ^2/NDF: 2544334.6/18

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

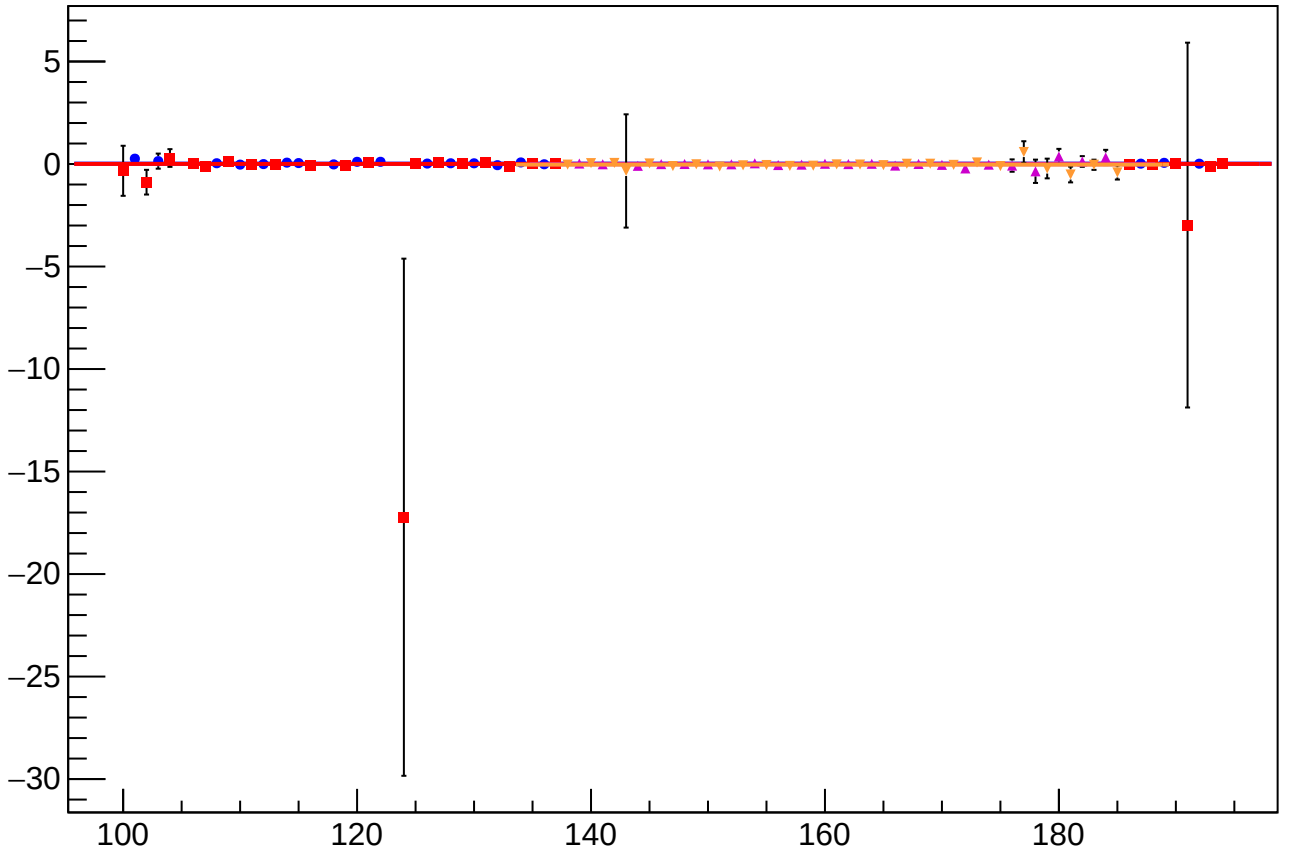
Right Out: 36.882+/-0.009 χ^2/NDF: 3779547.2/24

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576671.6/43

All: 34.079+/-0.004 χ^2/NDF: 26448623.5/91

- sign 34.134+/-0.005 χ^2/NDF: 12871744.4/47



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/18

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.005+/-0.013 χ^2/NDF: 20.1/24

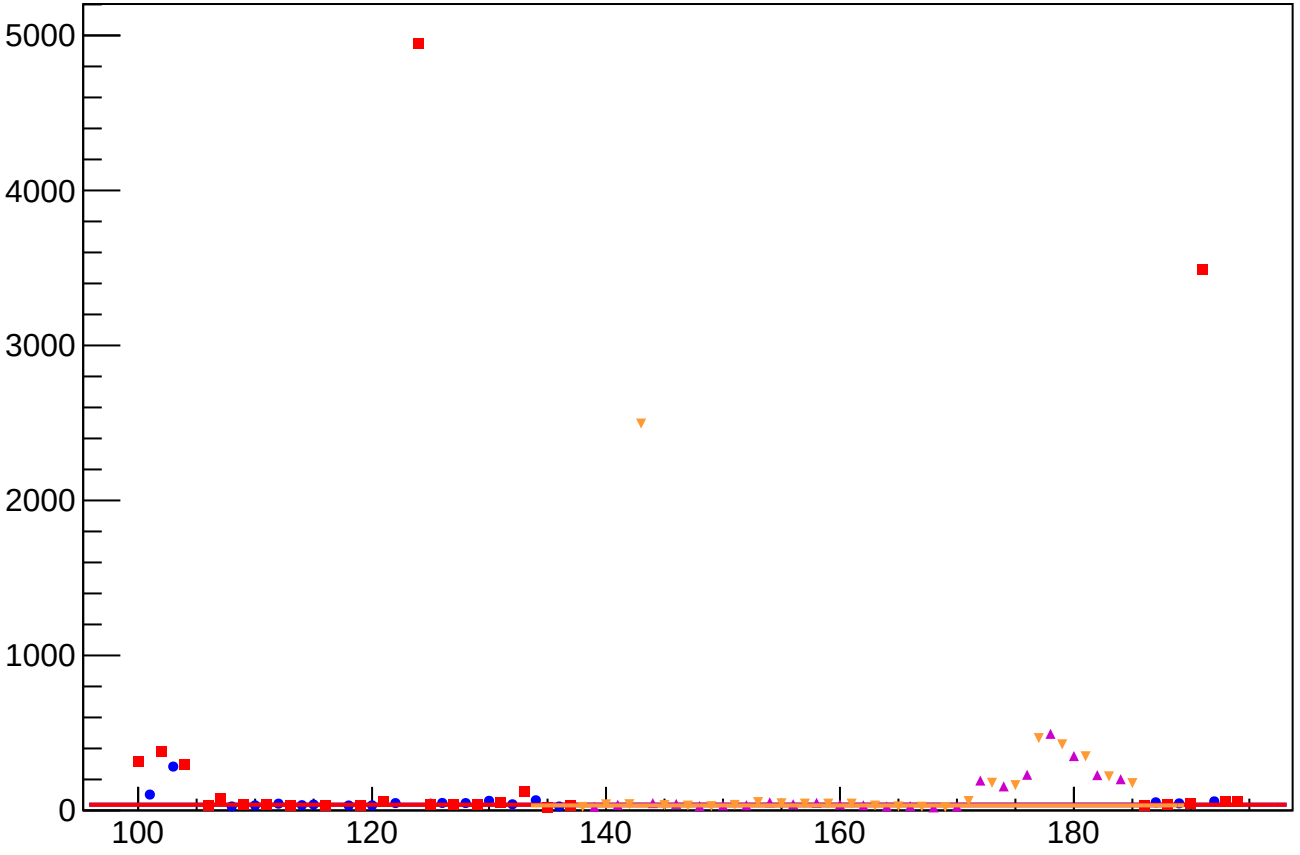
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 47.0/43

All: -0.010+/-0.006 χ^2/NDF: 81.8/91

- sign -0.005+/-0.008 χ^2/NDF: 34.2/47

asym_atl1r2_dd_atl2r1_dd_avg_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

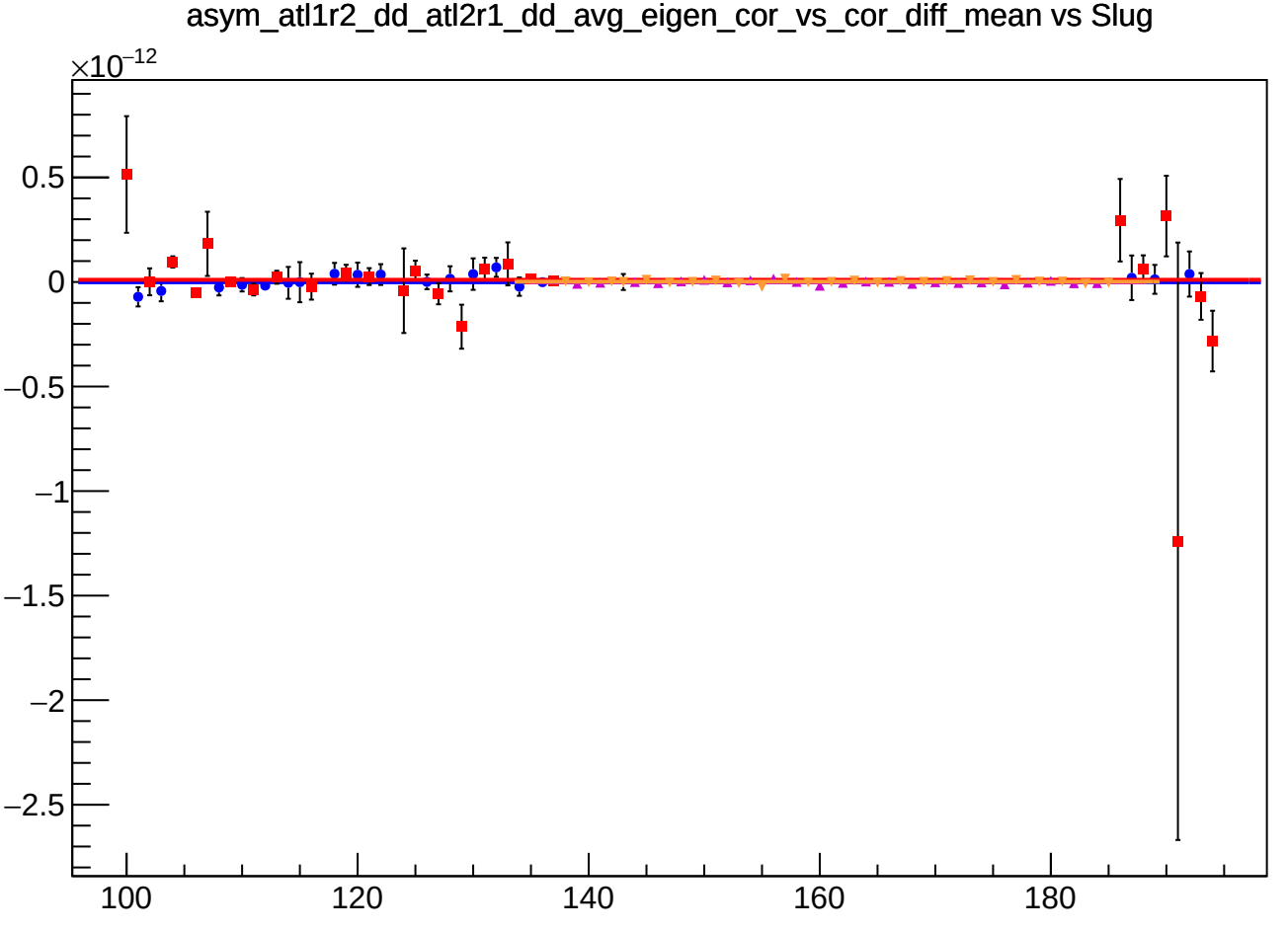
Right Out: 36.882+/-0.009 χ^2/NDF: 3779547.2/24

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 34.021+/-0.006 χ^2/NDF: 13576671.6/43

All: 34.079+/-0.004 χ^2/NDF: 26448623.5/91

- sign 34.134+/-0.005 χ^2/NDF: 12871744.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 8.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

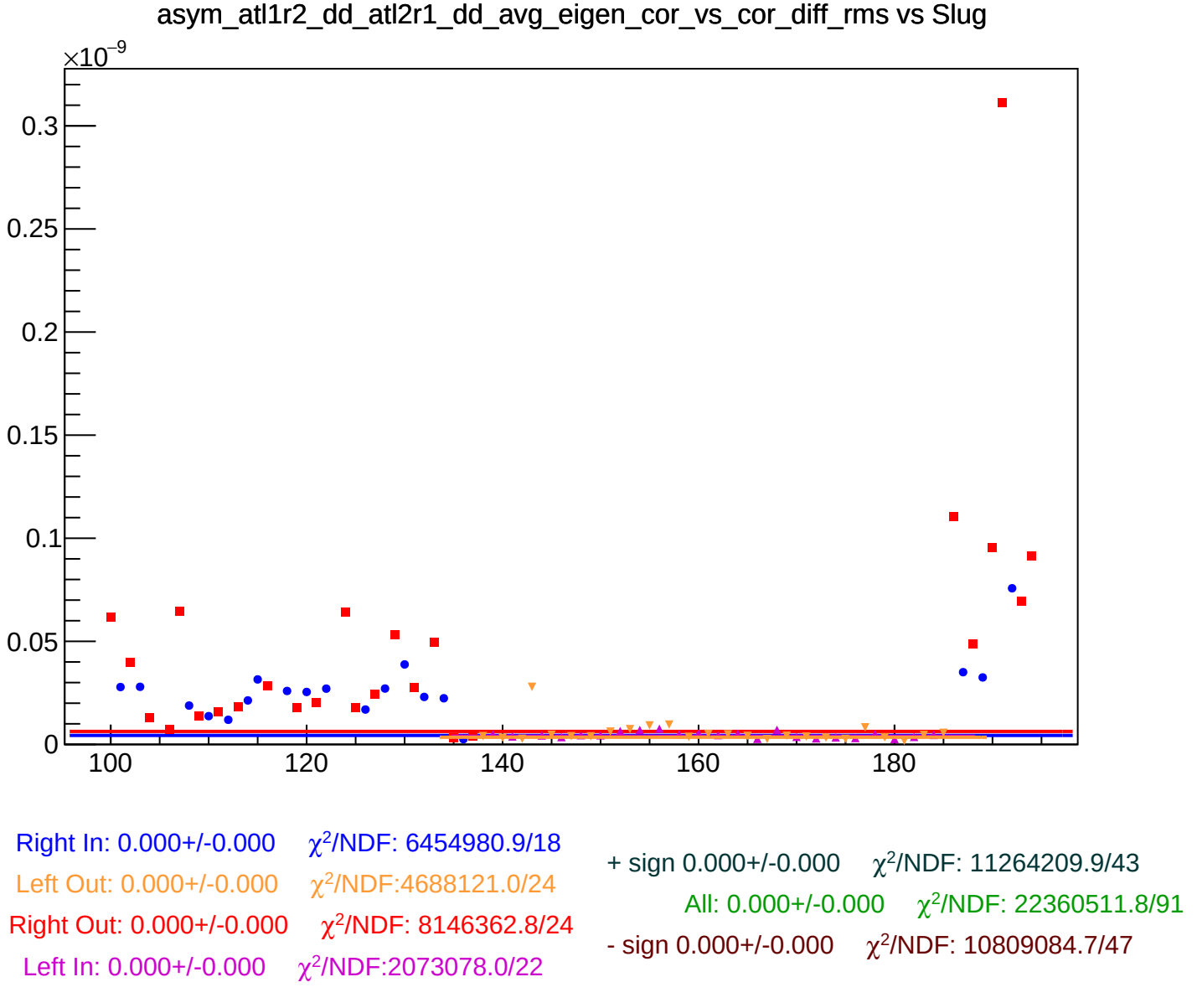
Right Out: 0.000+/-0.000 χ^2/NDF: 50.5/24

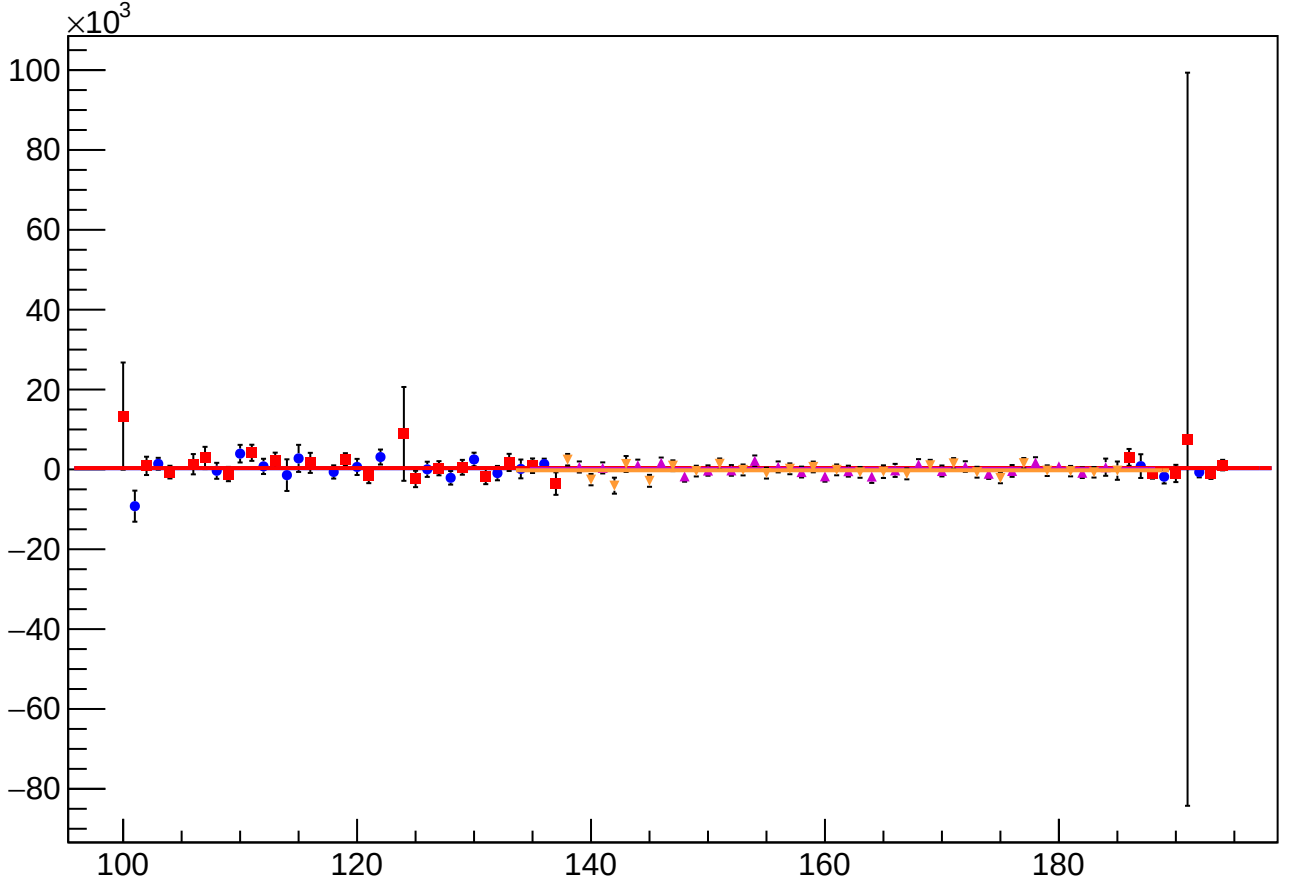
Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.5/43

All: 0.000+/-0.000 χ^2/NDF: 115.1/91

- sign -0.000+/-0.000 χ^2/NDF: 86.5/47


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: 8146362.8/24
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: 22360511.8/91
- sign 0.000+/-0.000 χ²/NDF: 10809084.7/47



Right In: 291.182+/-432.155 χ^2/NDF: 19.6/18

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 336.374+/-396.306 χ^2/NDF: 21.0/24

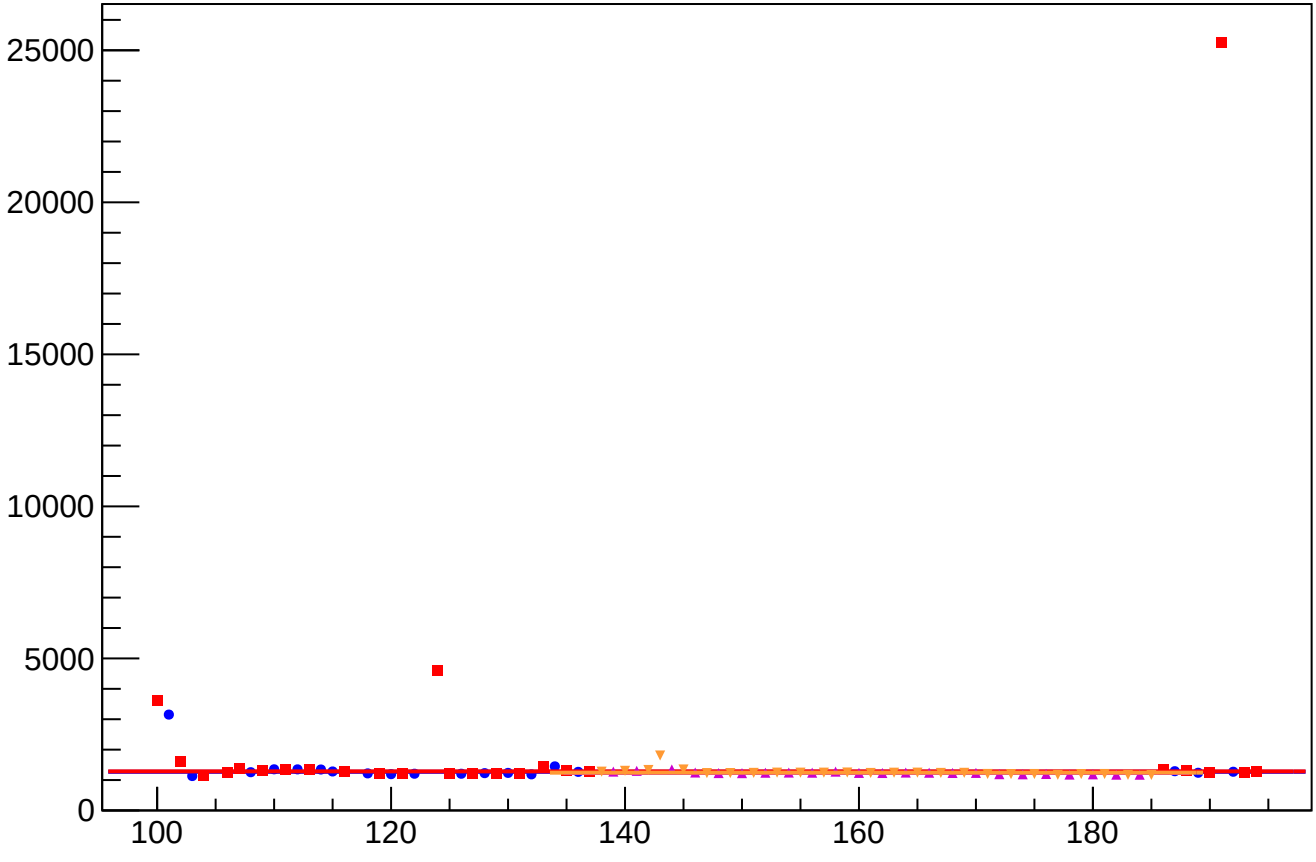
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -67.041+/-236.785 χ^2/NDF: 44.5/43

All: 56.795+/-166.111 χ^2/NDF: 81.0/91

- sign 176.801+/-233.093 χ^2/NDF: 35.9/47

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

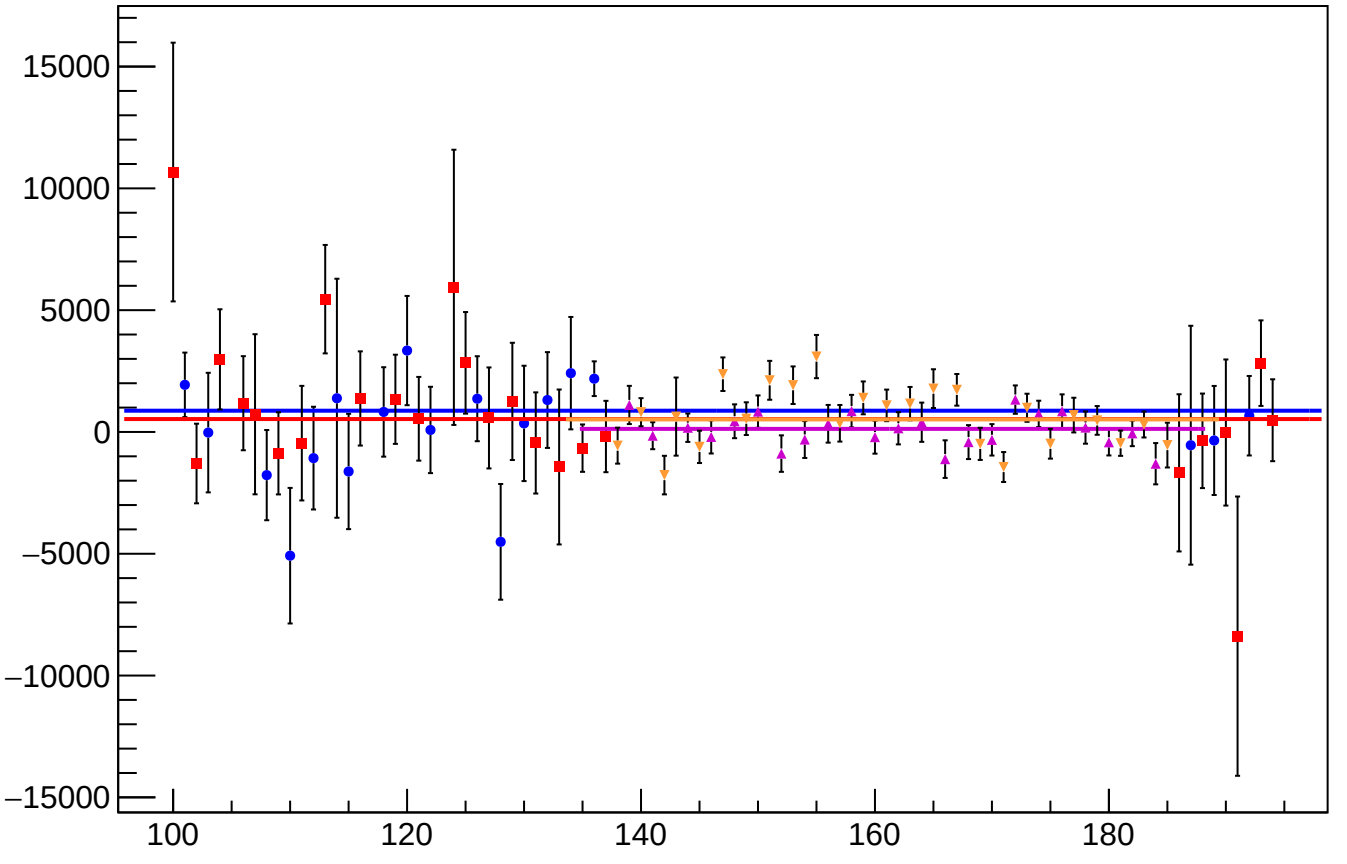
Right Out: 1285.519+/-0.280 χ^2/NDF: 467824.6/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729380.4/43

All: 1251.487+/-0.117 χ^2/NDF: 1258808.9/91

- sign 1251.660+/-0.165 χ^2/NDF: 529426.3/47



Right In: 872.801+/-403.848 χ^2/NDF: 20.3/18

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

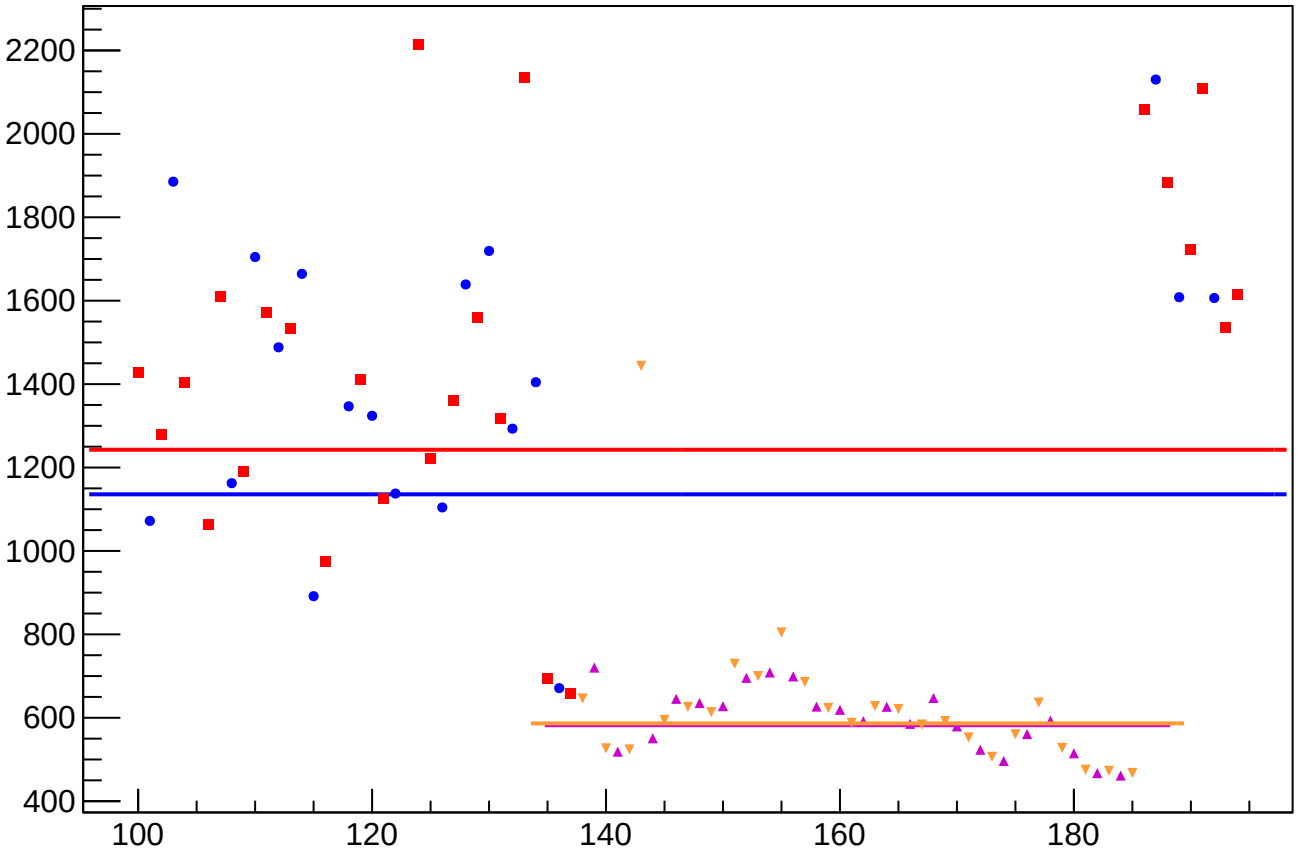
Right Out: 529.973+/-396.869 χ^2/NDF: 22.0/24

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 552.932+/-128.672 χ^2/NDF: 88.1/43

All: 362.866+/-91.355 χ^2/NDF: 136.9/91

- sign 169.671+/-129.726 χ^2/NDF: 44.5/47



Right In: 1135.789+/-0.286 χ^2/NDF: 1855527.5/18

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

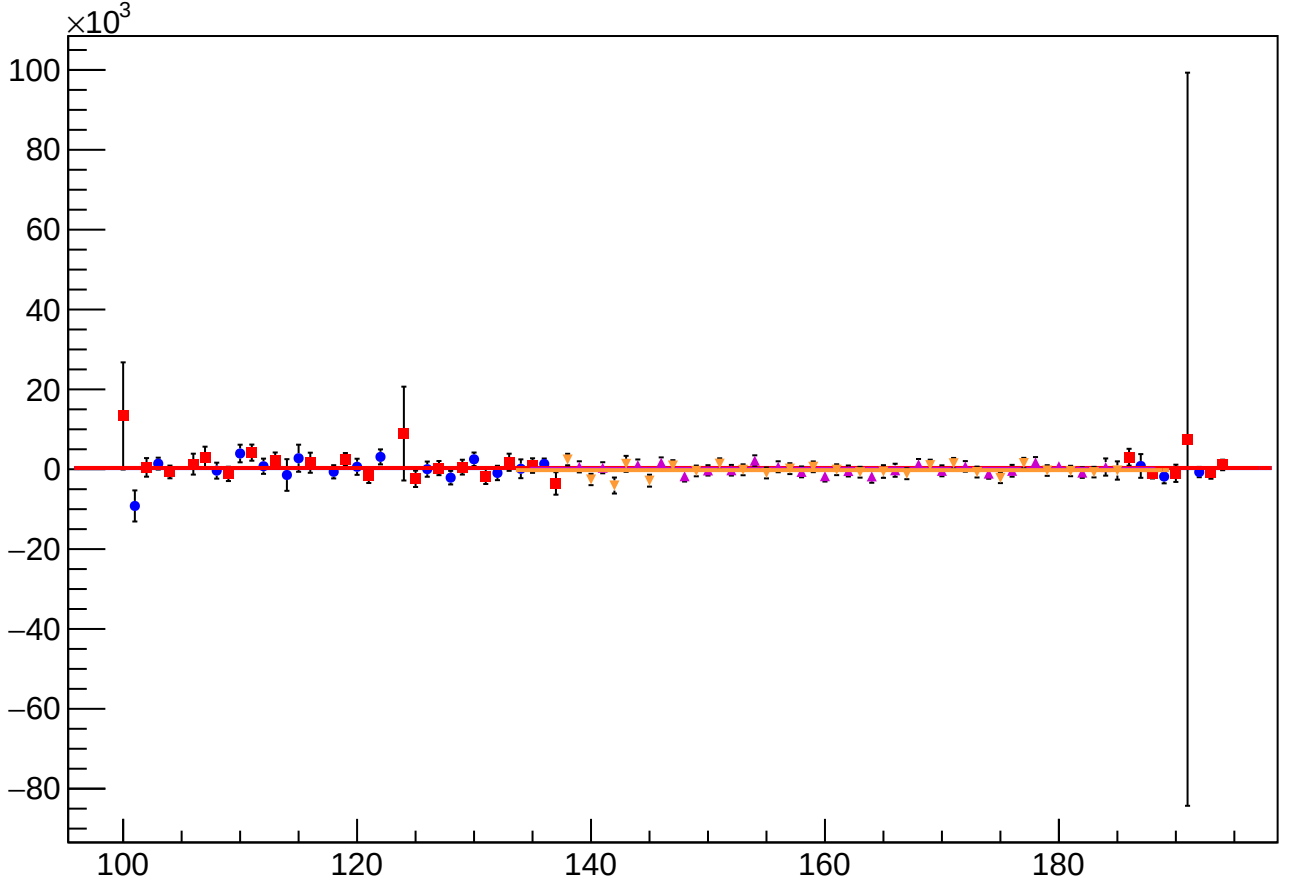
Right Out: 1242.658+/-0.281 χ^2/NDF: 2009753.5/24

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 642.312+/-0.091 χ^2/NDF: 6382098.2/43

All: 647.493+/-0.065 χ^2/NDF: 13904912.2/91

- sign 652.759+/-0.092 χ^2/NDF: 7516276.5/47



Right In: 291.450+/-432.155 χ^2/NDF: 19.6/18

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 322.039+/-396.764 χ^2/NDF: 20.9/24

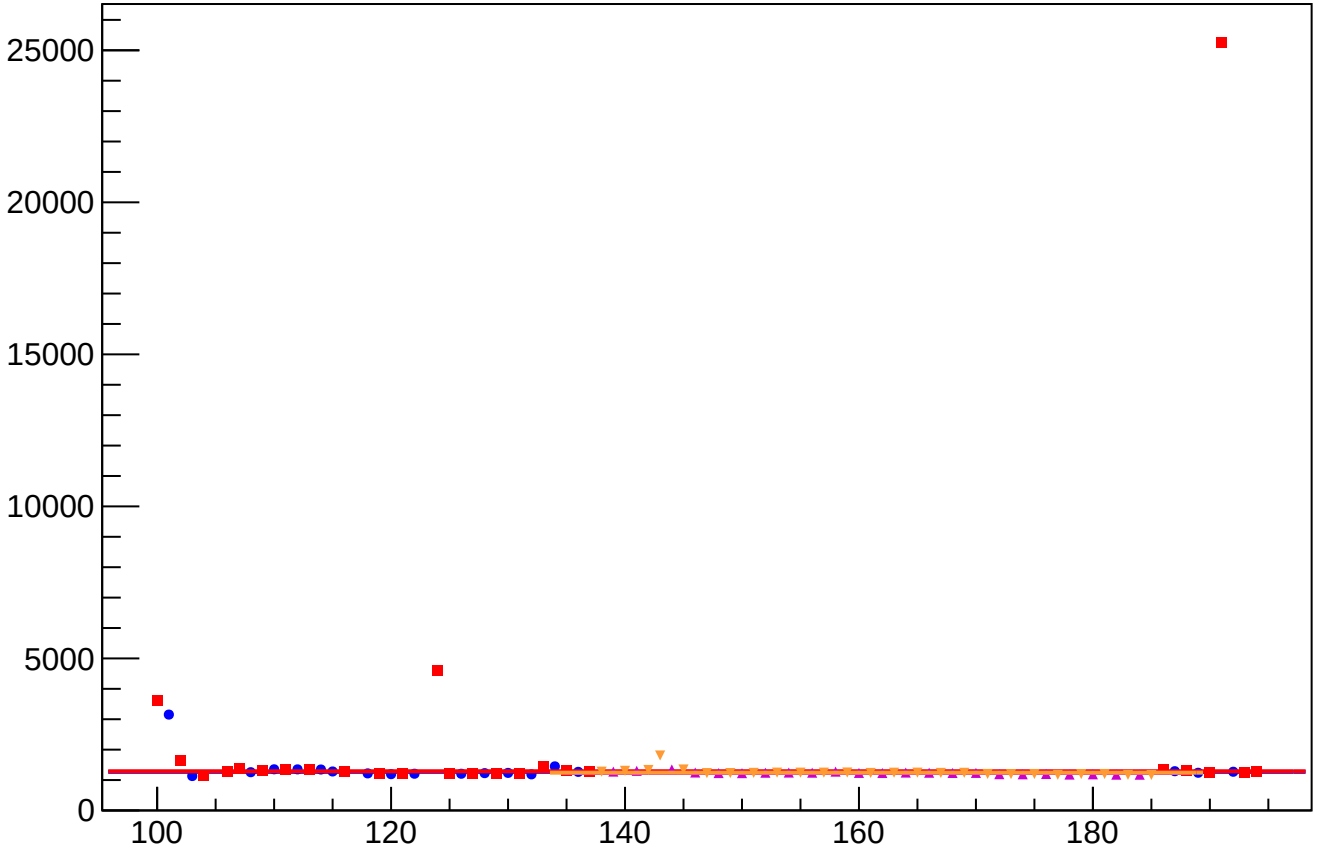
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -66.985+/-236.785 χ^2/NDF: 44.5/43

All: 54.219+/-166.145 χ^2/NDF: 80.8/91

- sign 171.768+/-233.186 χ^2/NDF: 35.8/47

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: 1287.082+/-0.281 χ^2/NDF: 474370.2/24

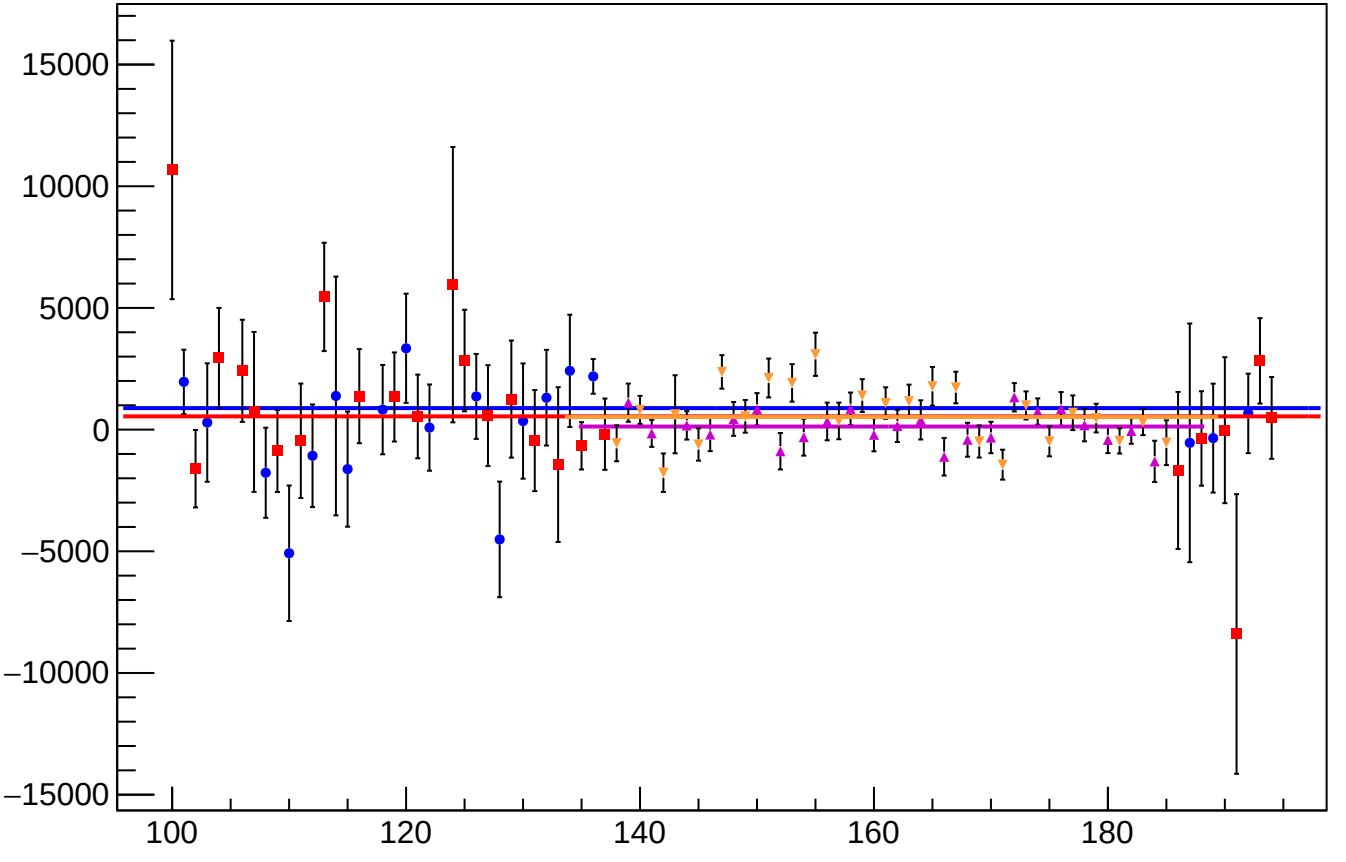
Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729381.7/43

All: 1251.748+/-0.117 χ^2/NDF: 1266699.3/91

- sign 1252.173+/-0.165 χ^2/NDF: 537304.1/47

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug



Right In: 883.994+/-403.698 χ^2/NDF: 20.3/18

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

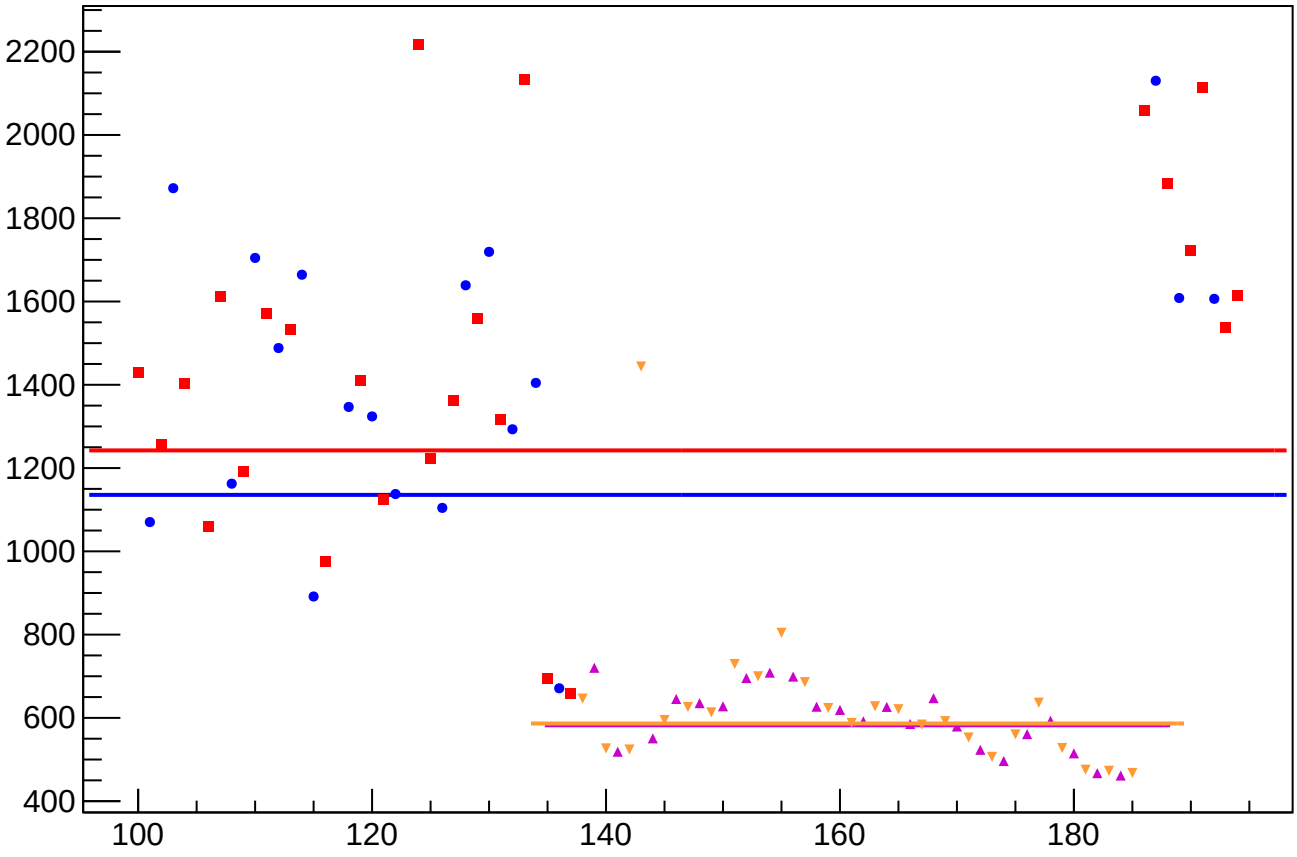
Right Out: 544.117+/-397.499 χ^2/NDF: 23.2/24

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 554.111+/-128.668 χ^2/NDF: 88.1/43

All: 364.176+/-91.361 χ^2/NDF: 138.2/91

- sign 171.038+/-129.748 χ^2/NDF: 45.8/47



Right In: 1135.578+/-0.285 χ^2/NDF: 1852278.2/18

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

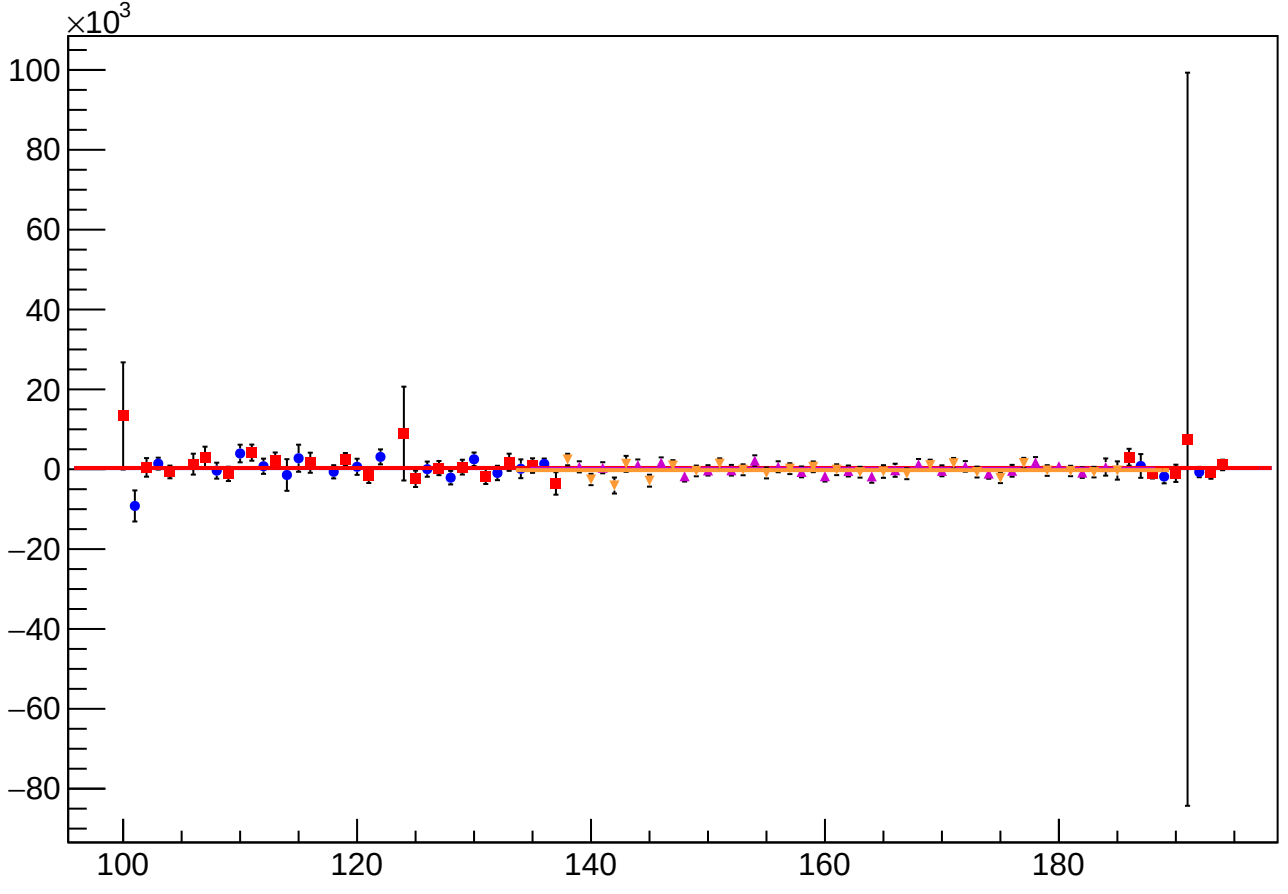
Right Out: 1242.411+/-0.281 χ^2/NDF: 2007164.6/24

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 642.333+/-0.091 χ^2/NDF: 6378364.6/43

All: 647.389+/-0.065 χ^2/NDF: 13880631.5/91

- sign 652.531+/-0.092 χ^2/NDF: 7496037.7/47



Right In: 291.450+/-432.155 χ^2/NDF: 19.6/18

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 322.039+/-396.764 χ^2/NDF: 20.9/24

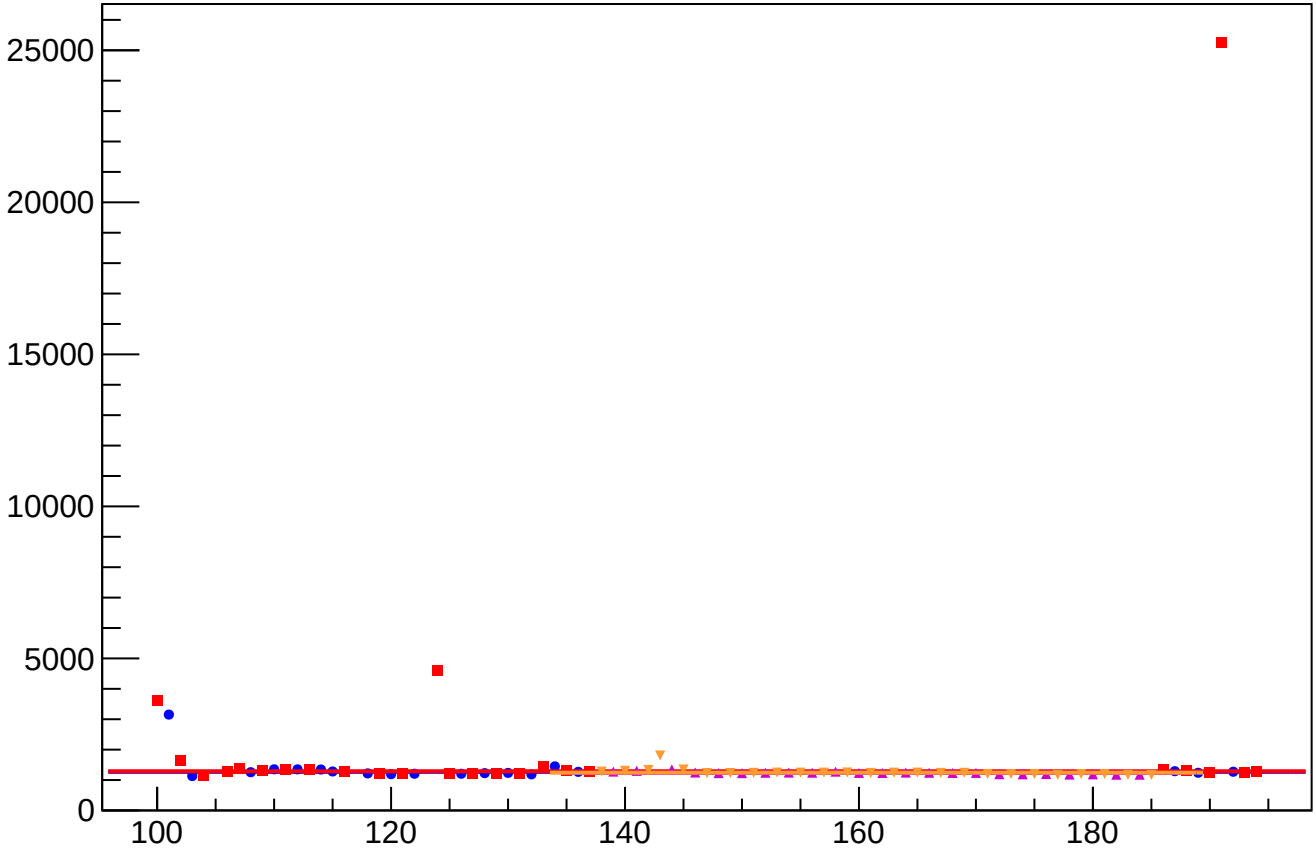
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -66.985+/-236.785 χ^2/NDF: 44.5/43

All: 54.219+/-166.145 χ^2/NDF: 80.8/91

- sign 171.768+/-233.186 χ^2/NDF: 35.8/47

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

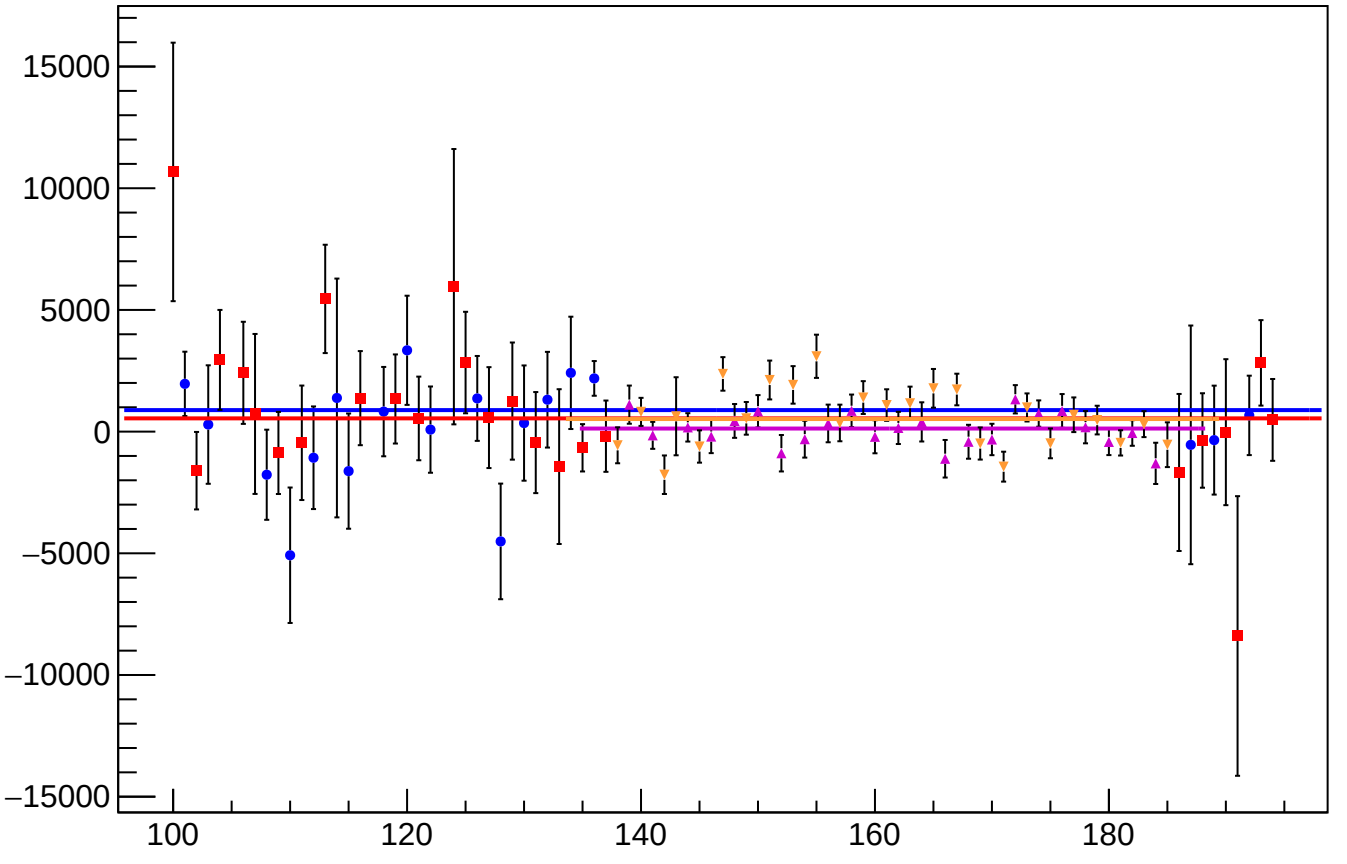
Right Out: 1287.082+/-0.281 χ^2/NDF: 474370.2/24

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.309+/-0.167 χ^2/NDF: 729381.7/43

All: 1251.748+/-0.117 χ^2/NDF: 1266699.3/91

- sign 1252.173+/-0.165 χ^2/NDF: 537304.1/47



Right In: 883.994+/-403.698 χ^2/NDF: 20.3/18

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

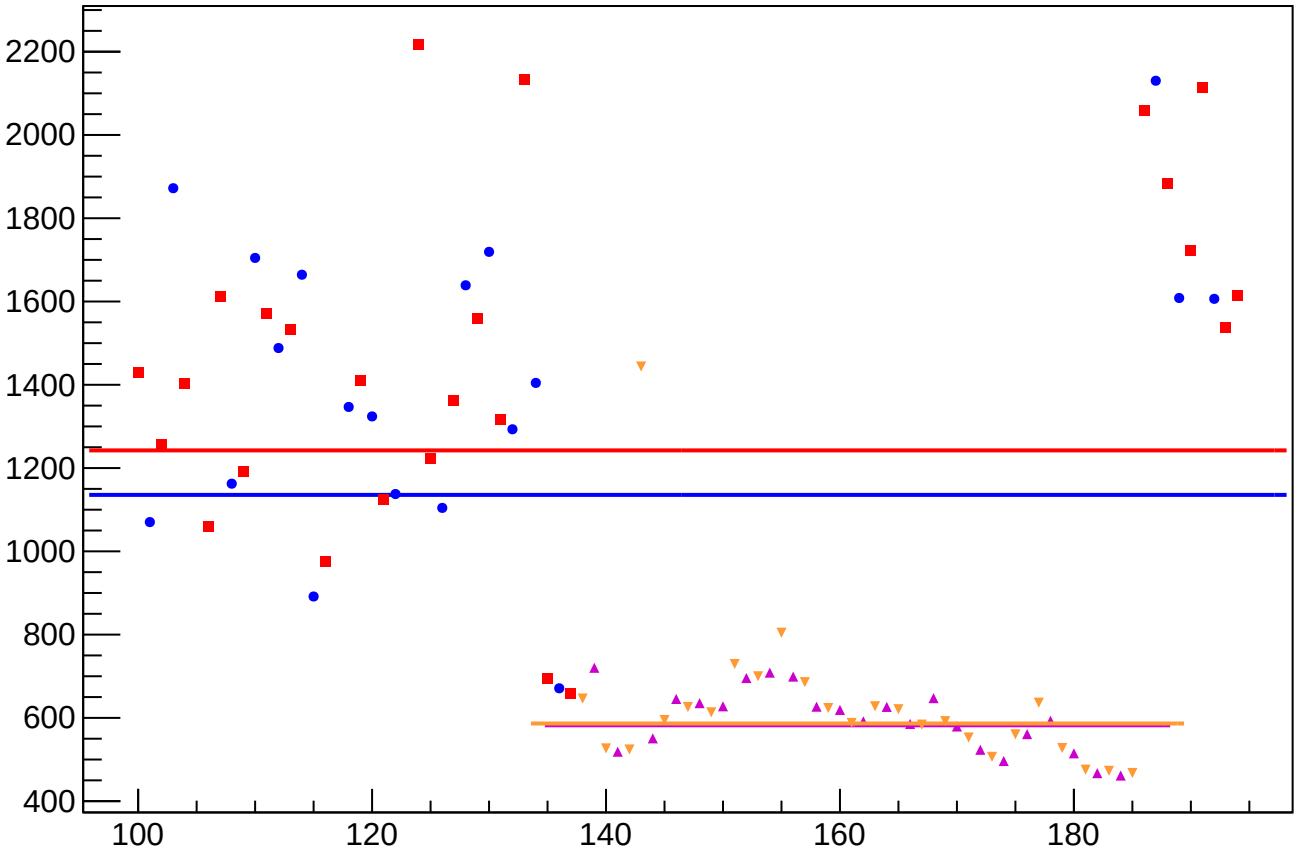
Right Out: 544.117+/-397.499 χ^2/NDF: 23.2/24

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 554.111+/-128.668 χ^2/NDF: 88.1/43

All: 364.176+/-91.361 χ^2/NDF: 138.2/91

\- sign 171.038+/-129.748 χ^2/NDF: 45.8/47



Right In: 1135.578+/-0.285 χ^2/NDF: 1852278.2/18

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

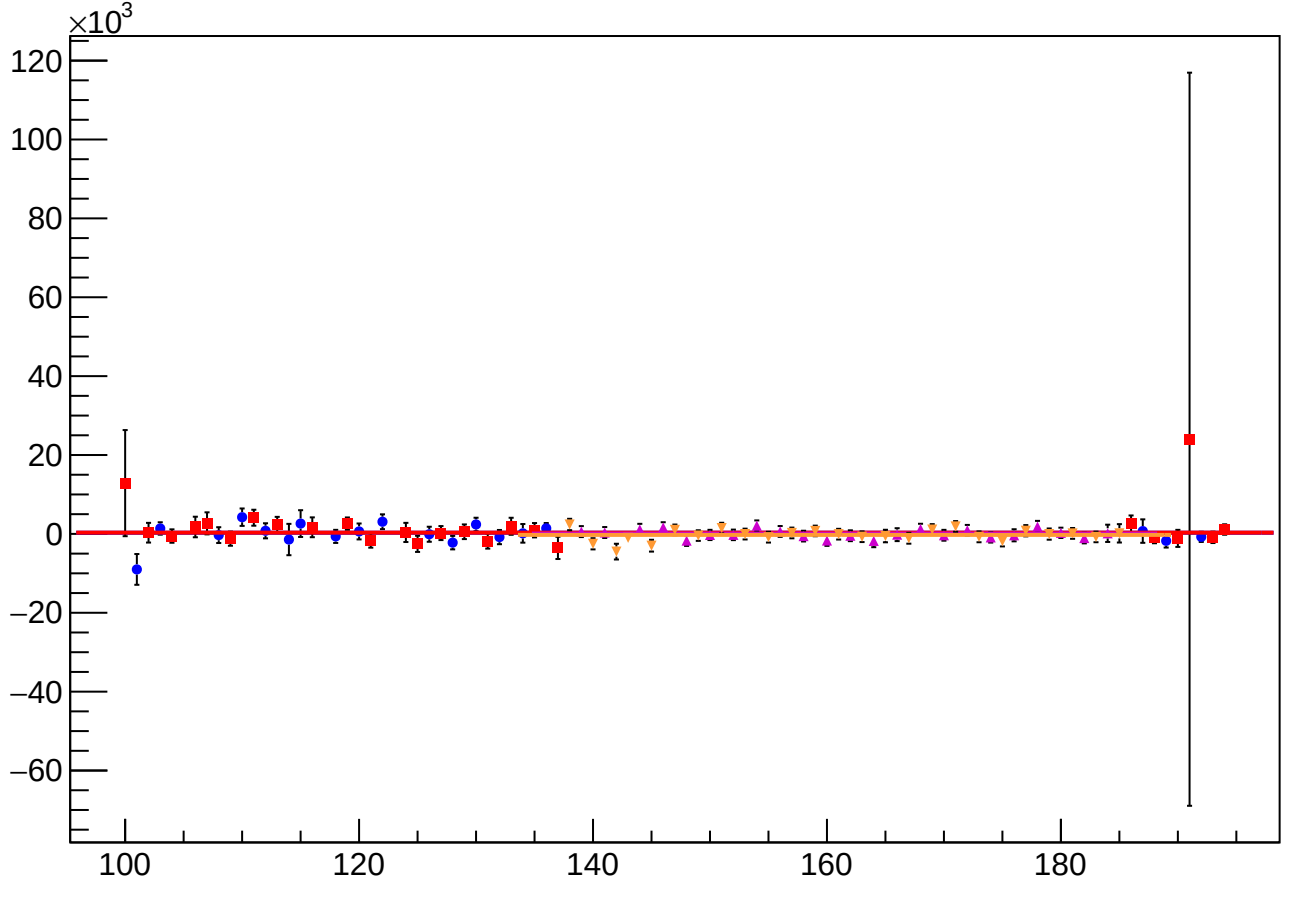
Right Out: 1242.411+/-0.281 χ^2/NDF: 2007164.6/24

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 642.333+/-0.091 χ^2/NDF: 6378364.6/43

All: 647.389+/-0.065 χ^2/NDF: 13880631.5/91

- sign 652.531+/-0.092 χ^2/NDF: 7496037.7/47



Right In: 288.994+/-434.428 χ^2/NDF: 19.6/18

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 316.862+/-394.407 χ^2/NDF: 20.4/24

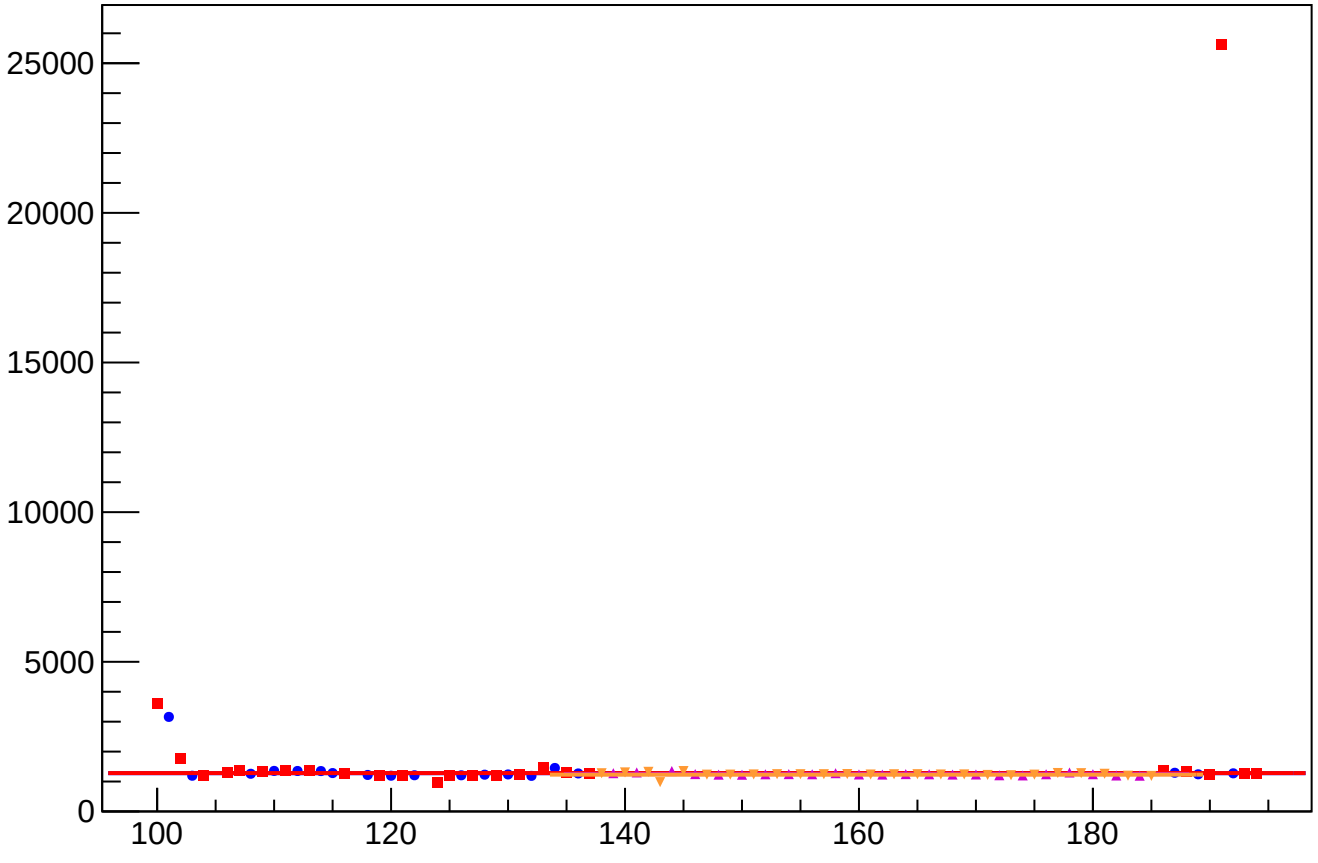
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -92.471+/-235.305 χ^2/NDF: 44.7/43

All: 34.427+/-166.065 χ^2/NDF: 80.0/91

- sign 160.350+/-234.401 χ^2/NDF: 34.7/47

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

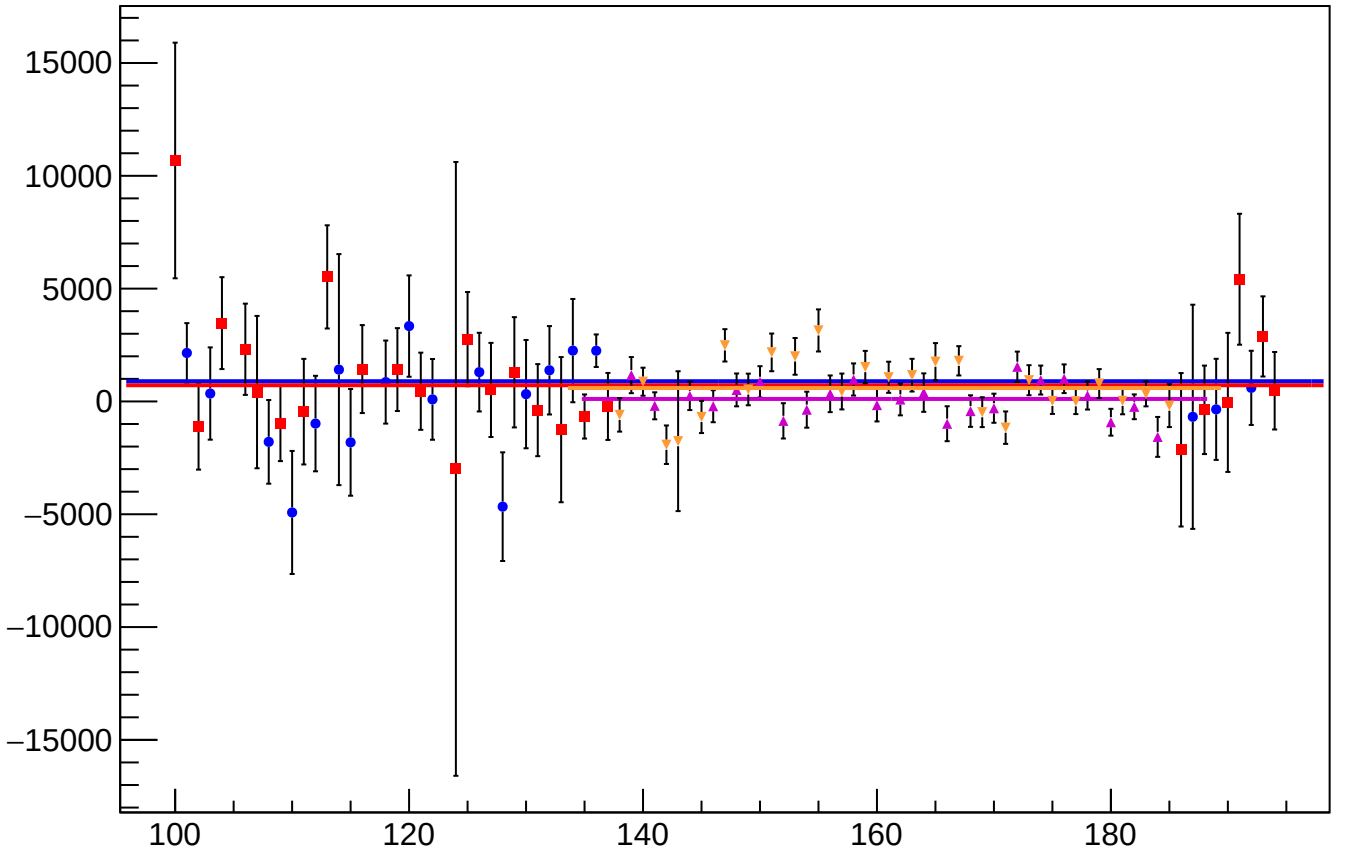
Right Out: 1282.342+/-0.279 χ^2/NDF: 368347.1/24

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1244.124+/-0.166 χ^2/NDF: 667170.7/43

All: 1252.088+/-0.117 χ^2/NDF: 1077353.7/91

- sign 1259.991+/-0.166 χ^2/NDF: 405618.7/47



Right In: 896.164+/-403.558 χ^2/NDF: 20.9/18

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

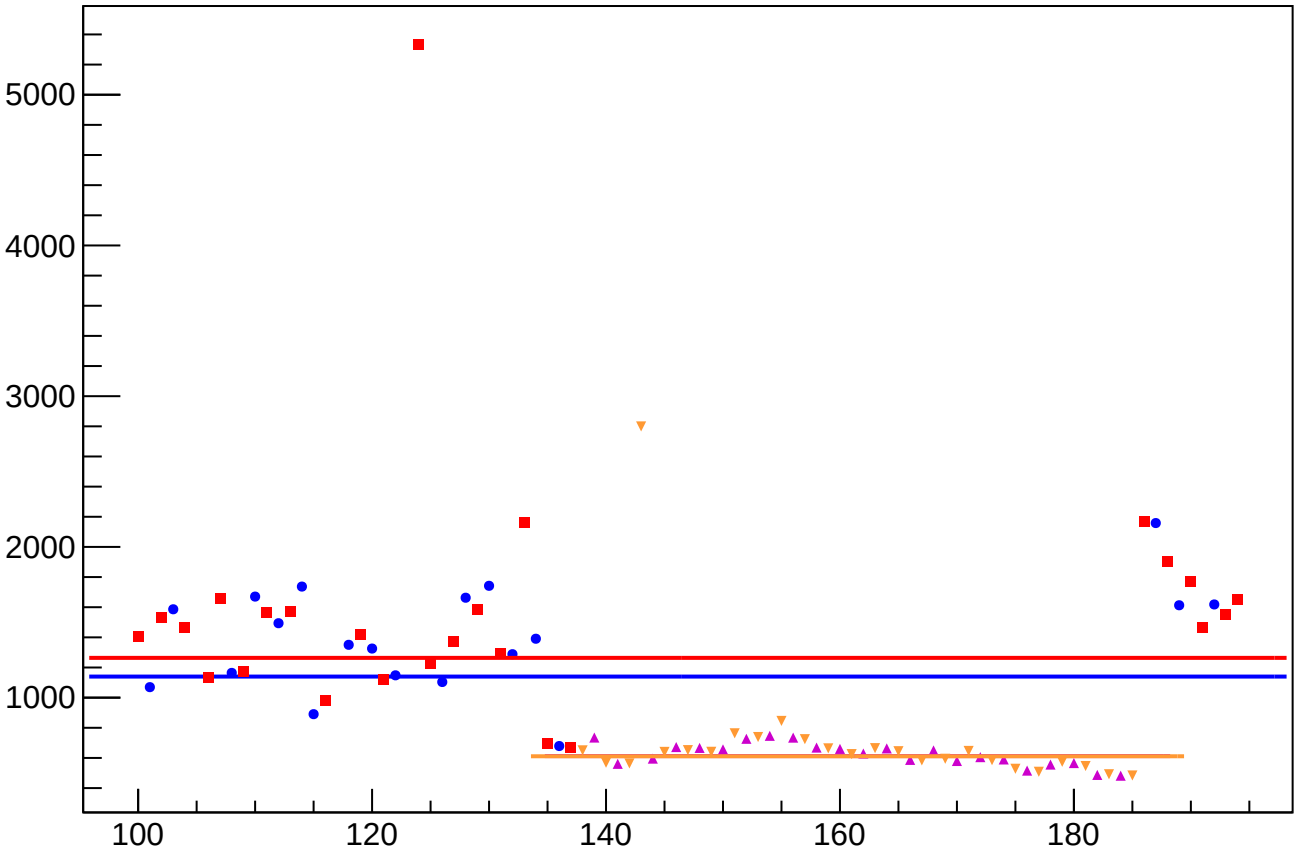
Right Out: 718.604+/-401.132 χ^2/NDF: 22.4/24

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 628.234+/-134.059 χ^2/NDF: 78.7/43

All: 406.835+/-95.378 χ^2/NDF: 134.4/91

- sign 179.899+/-135.725 χ^2/NDF: 50.1/47



Right In: 1139.838+/-0.285 χ^2/NDF: 1738071.5/18

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

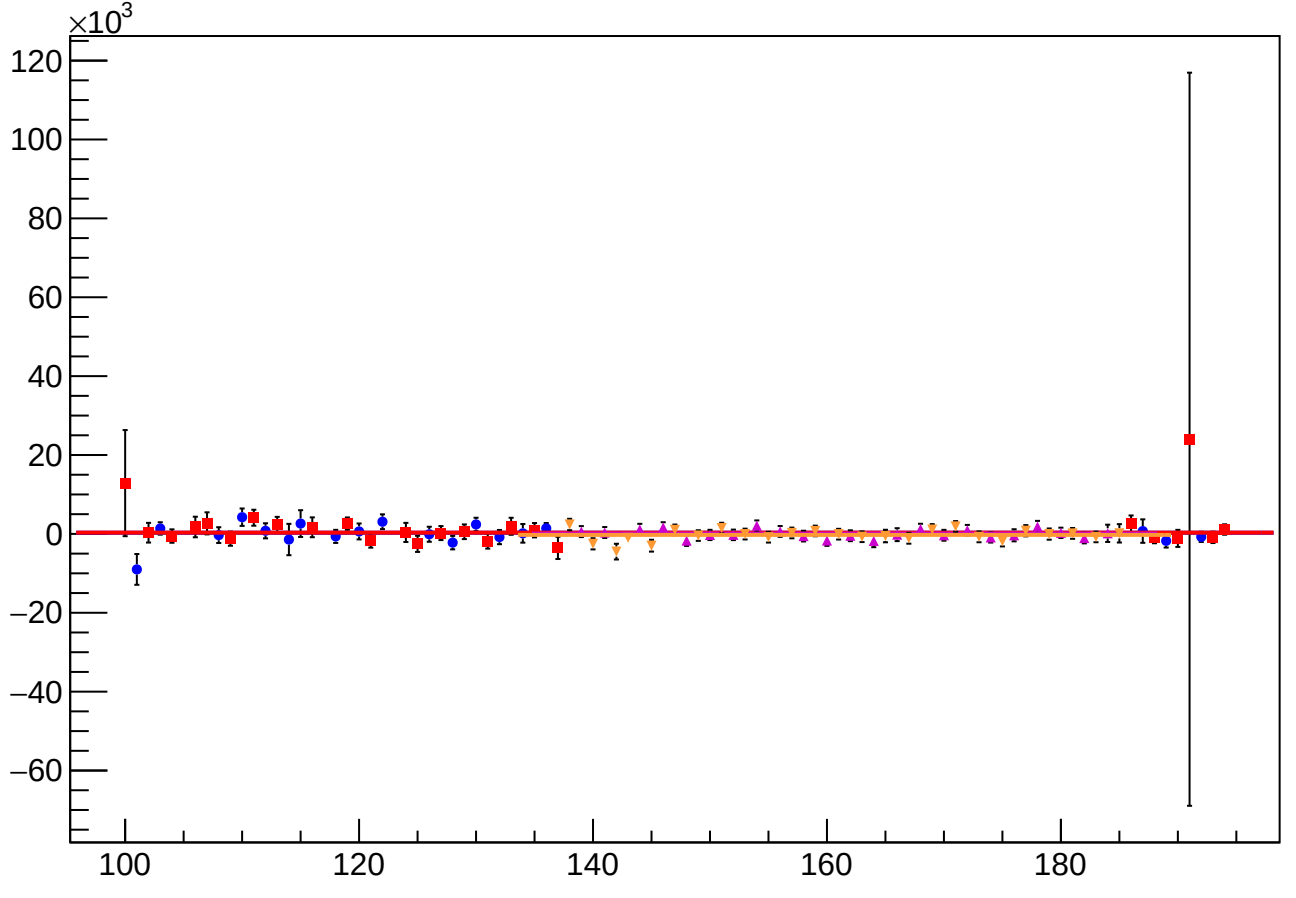
Right Out: 1263.918+/-0.284 χ^2/NDF: 2179203.0/24

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 669.435+/-0.095 χ^2/NDF: 6411881.9/43

All: 678.103+/-0.067 χ^2/NDF: 13788643.9/91

- sign 686.988+/-0.096 χ^2/NDF: 7359831.0/47



Right In: 288.996+/-434.428 χ^2/NDF: 19.6/18

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 316.861+/-394.407 χ^2/NDF: 20.4/24

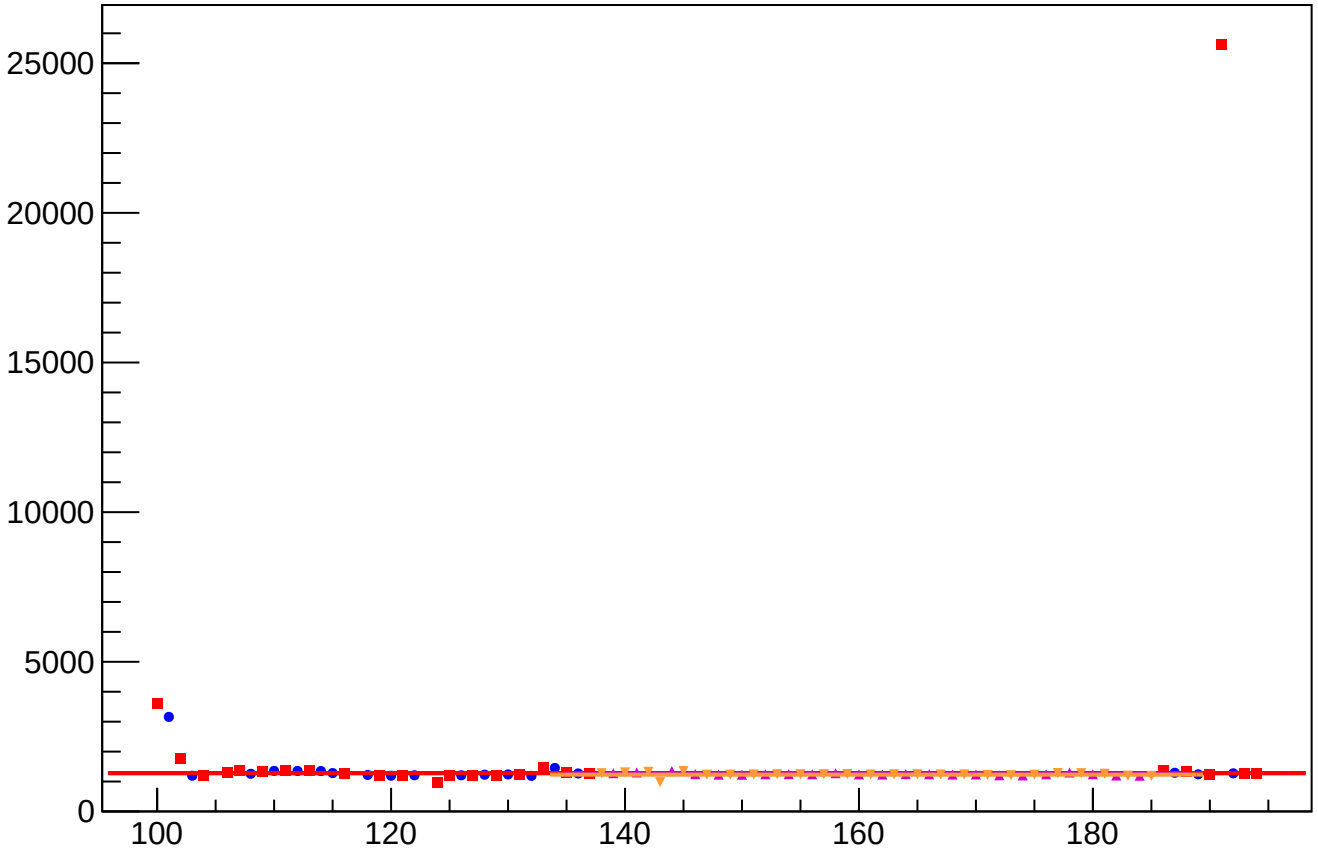
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -92.471+/-235.305 χ^2/NDF: 44.7/43

All: 34.426+/-166.065 χ^2/NDF: 80.0/91

- sign 160.350+/-234.401 χ^2/NDF: 34.7/47

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

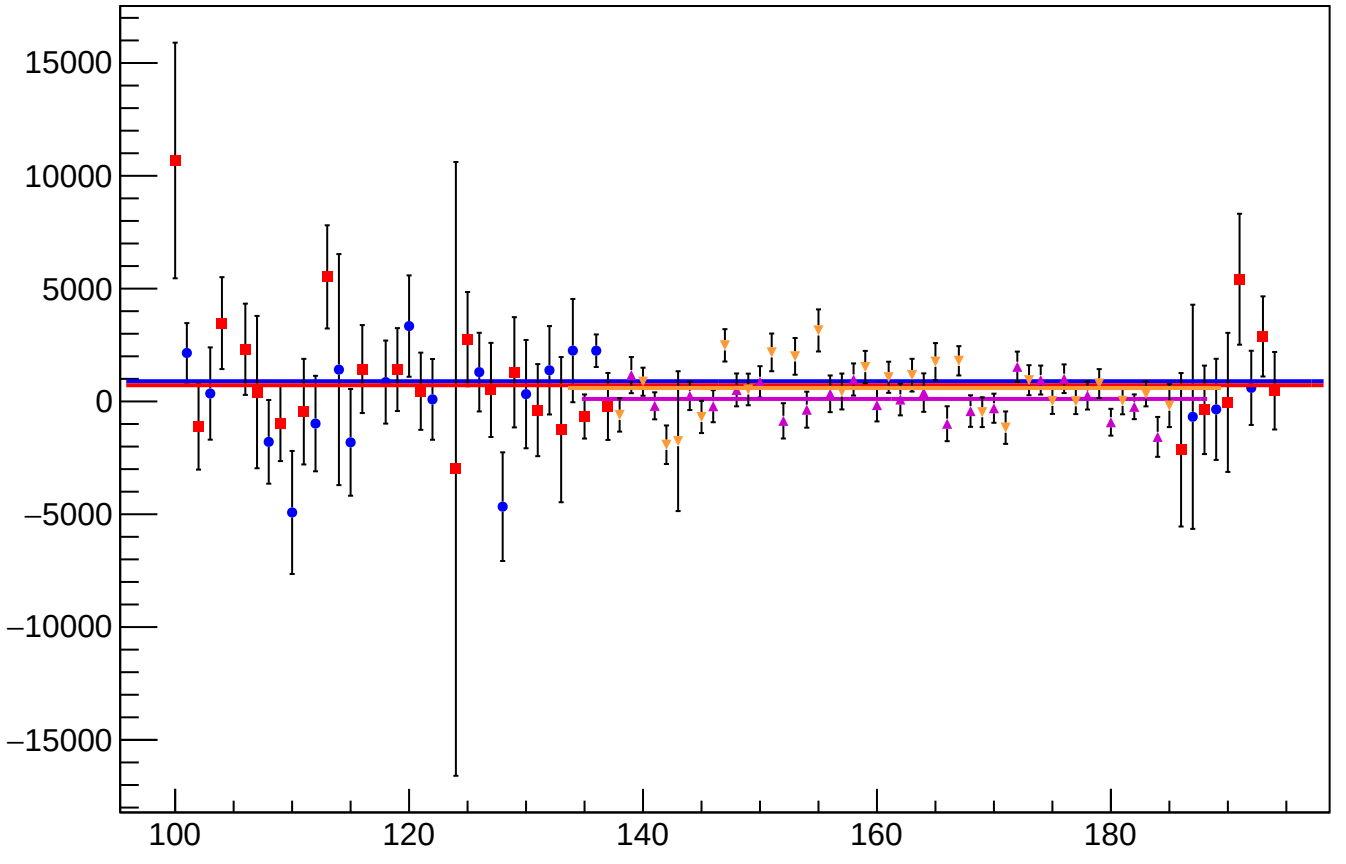
Right Out: 1282.342+/-0.279 χ^2/NDF: 368347.1/24

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1244.124+/-0.166 χ^2/NDF: 667169.8/43

All: 1252.088+/-0.117 χ^2/NDF: 1077352.7/91

- sign 1259.991+/-0.166 χ^2/NDF: 405618.6/47



Right In: 896.158+/-403.560 χ^2/NDF: 20.9/18

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

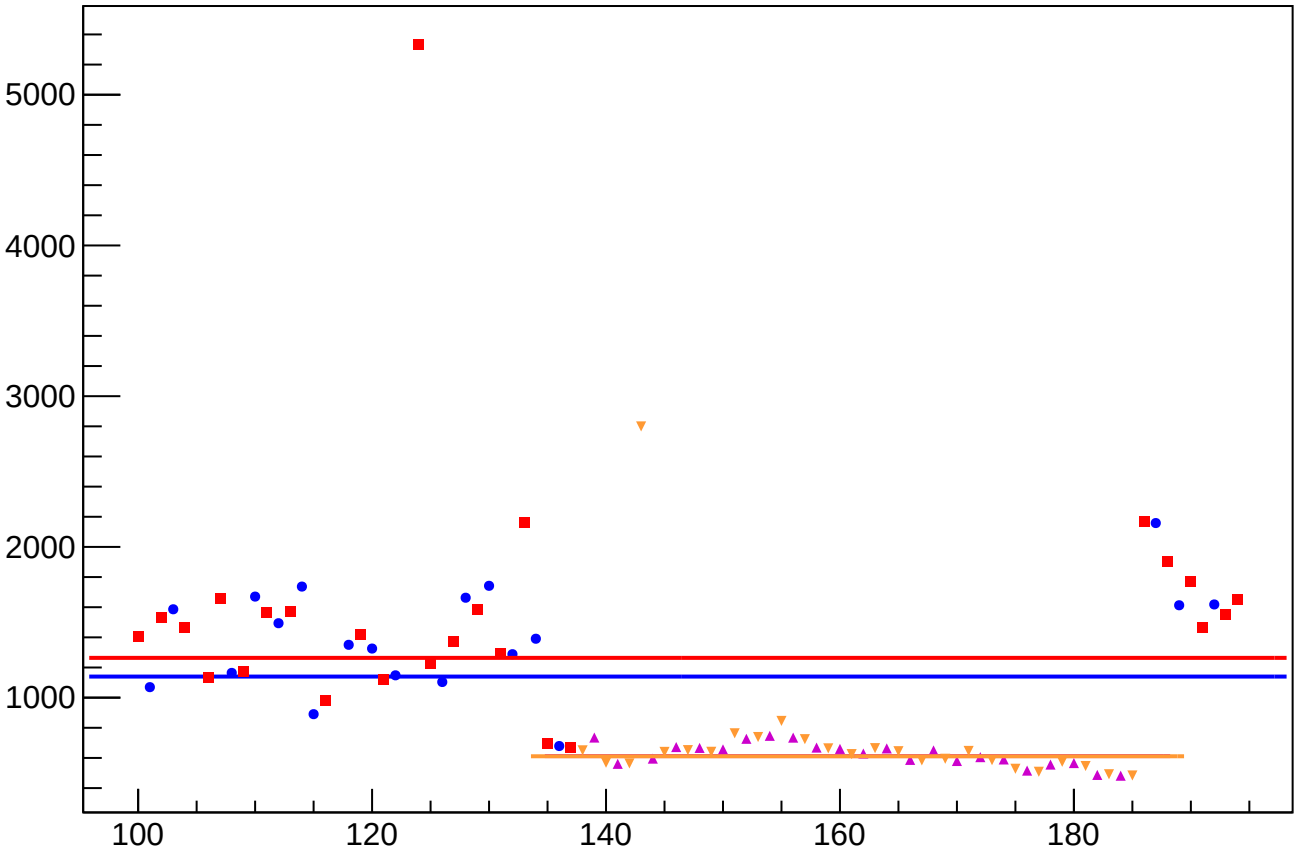
Right Out: 718.614+/-401.133 χ^2/NDF: 22.4/24

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 628.233+/-134.059 χ^2/NDF: 78.7/43

All: 406.835+/-95.378 χ^2/NDF: 134.4/91

- sign 179.899+/-135.725 χ^2/NDF: 50.1/47



Right In: 1139.844+/-0.285 χ^2/NDF: 1738002.8/18

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1263.924+/-0.284 χ^2/NDF: 2179131.5/24

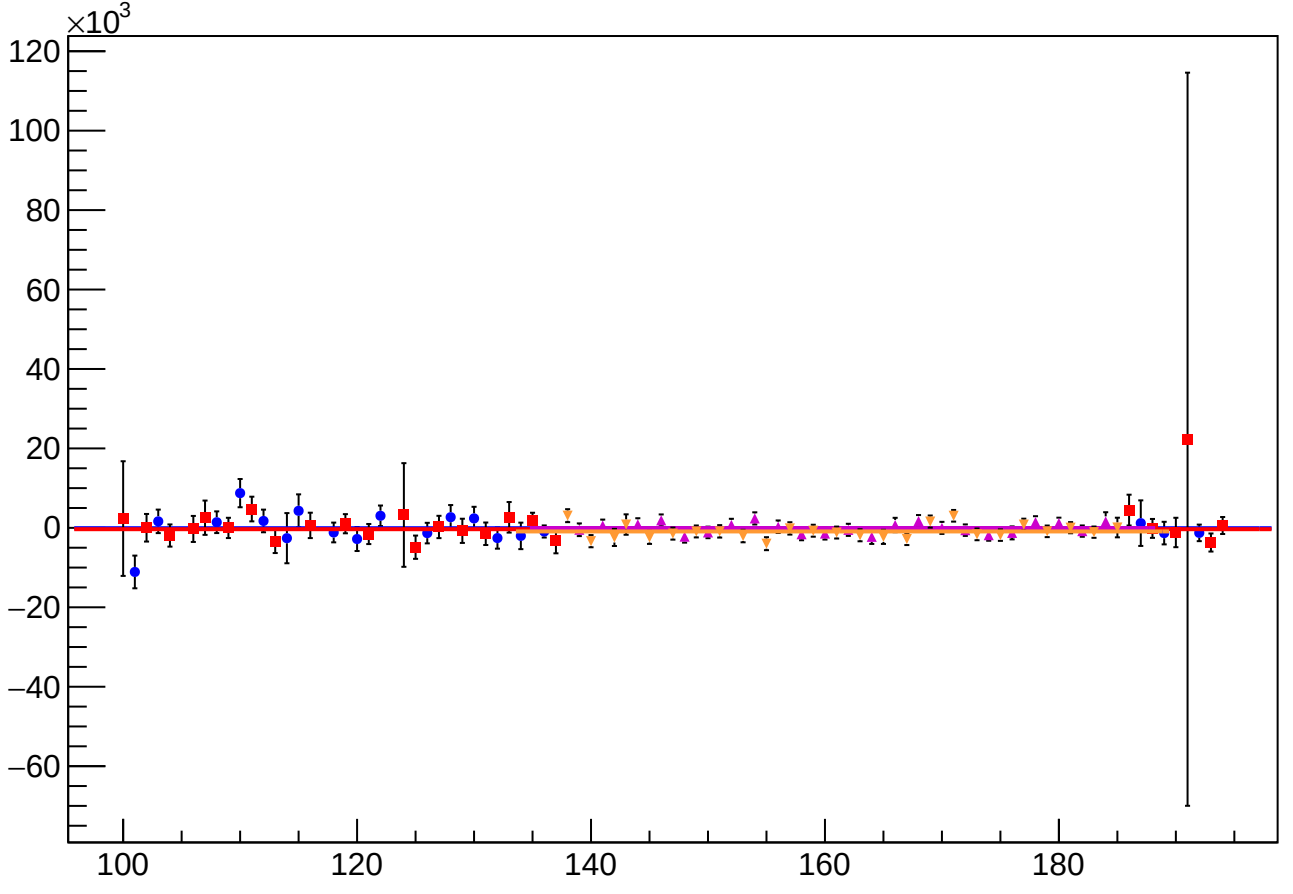
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 669.435+/-0.095 χ^2/NDF: 6411865.5/43

All: 678.103+/-0.067 χ^2/NDF: 13788631.8/91

- sign 686.987+/-0.096 χ^2/NDF: 7359836.3/47

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: -335.810+/-600.826 χ^2/NDF: 14.4/24

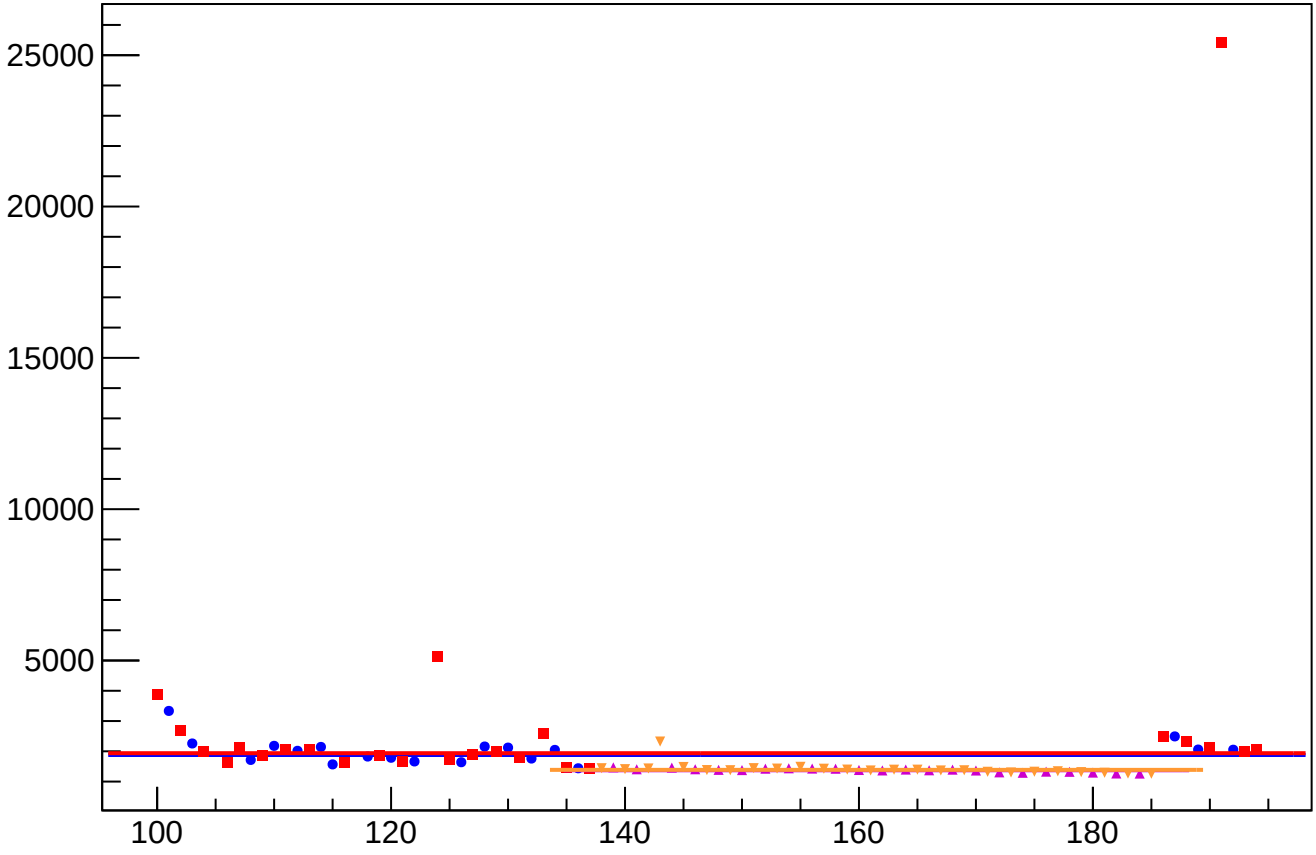
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -740.828+/-283.783 χ^2/NDF: 53.0/43

All: -425.644+/-200.415 χ^2/NDF: 87.9/91

- sign -112.026+/-283.077 χ^2/NDF: 32.4/47

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

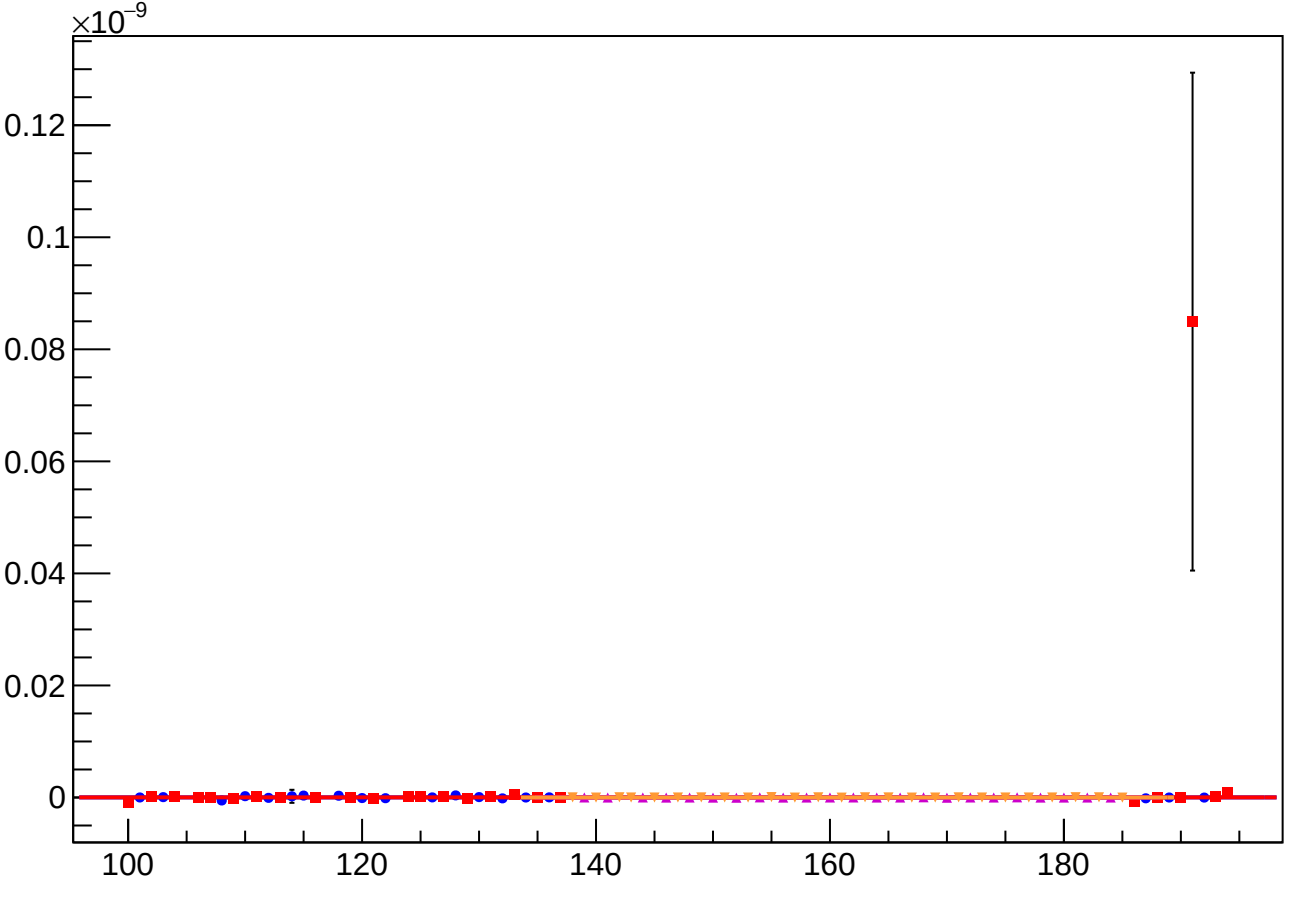
Right Out: 1937.680+/-0.425 χ^2/NDF: 783082.2/24

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1483.135+/-0.201 χ^2/NDF: 1893441.2/43

All: 1490.845+/-0.142 χ^2/NDF: 4117348.6/91

- sign 1498.517+/-0.200 χ^2/NDF: 2220962.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

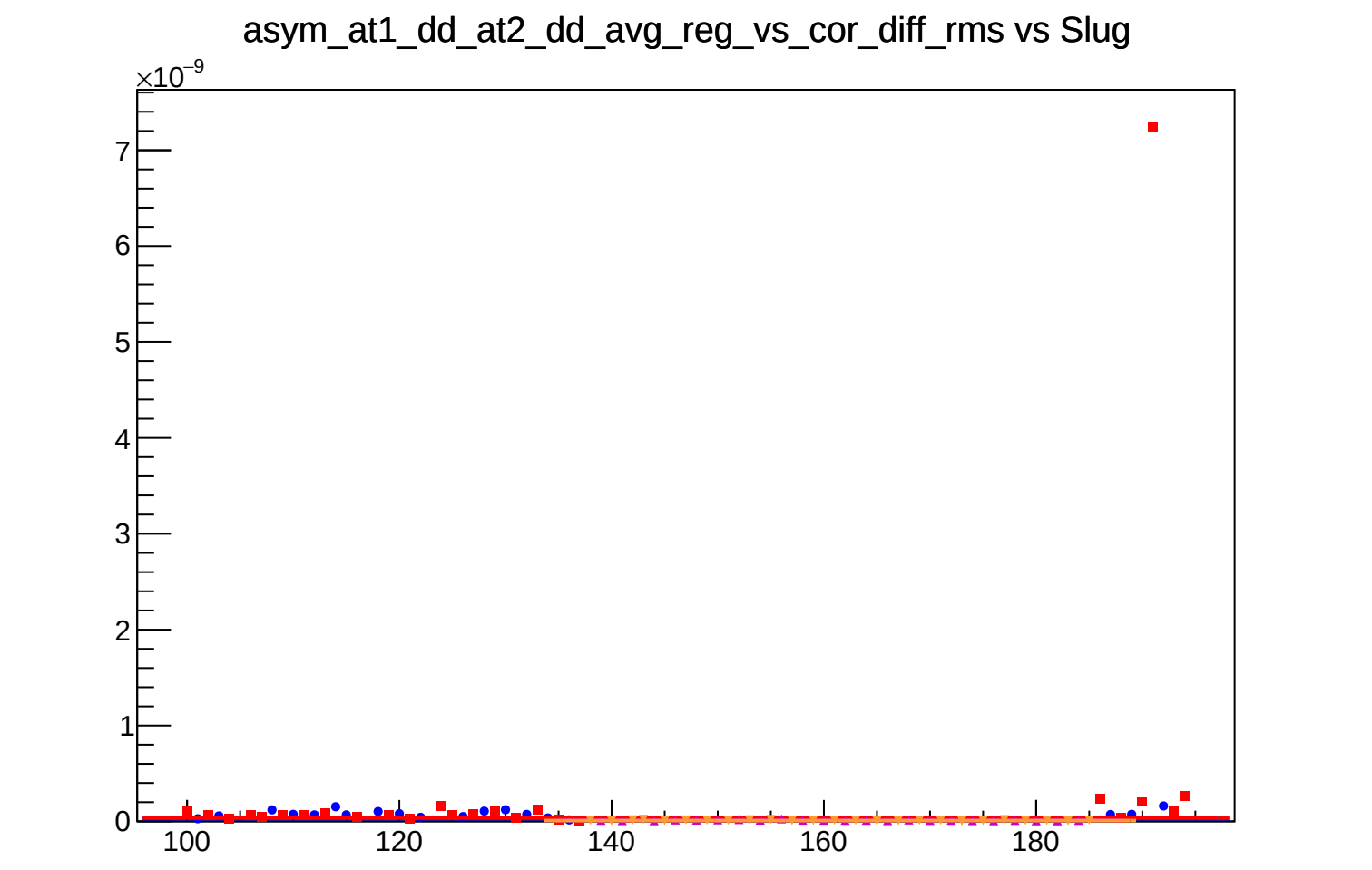
Right Out: 0.000+/-0.000 χ^2/NDF: 39.7/24

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/43

All: 0.000+/-0.000 χ^2/NDF: 97.4/91

- sign -0.000+/-0.000 χ^2/NDF: 54.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 3386043.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

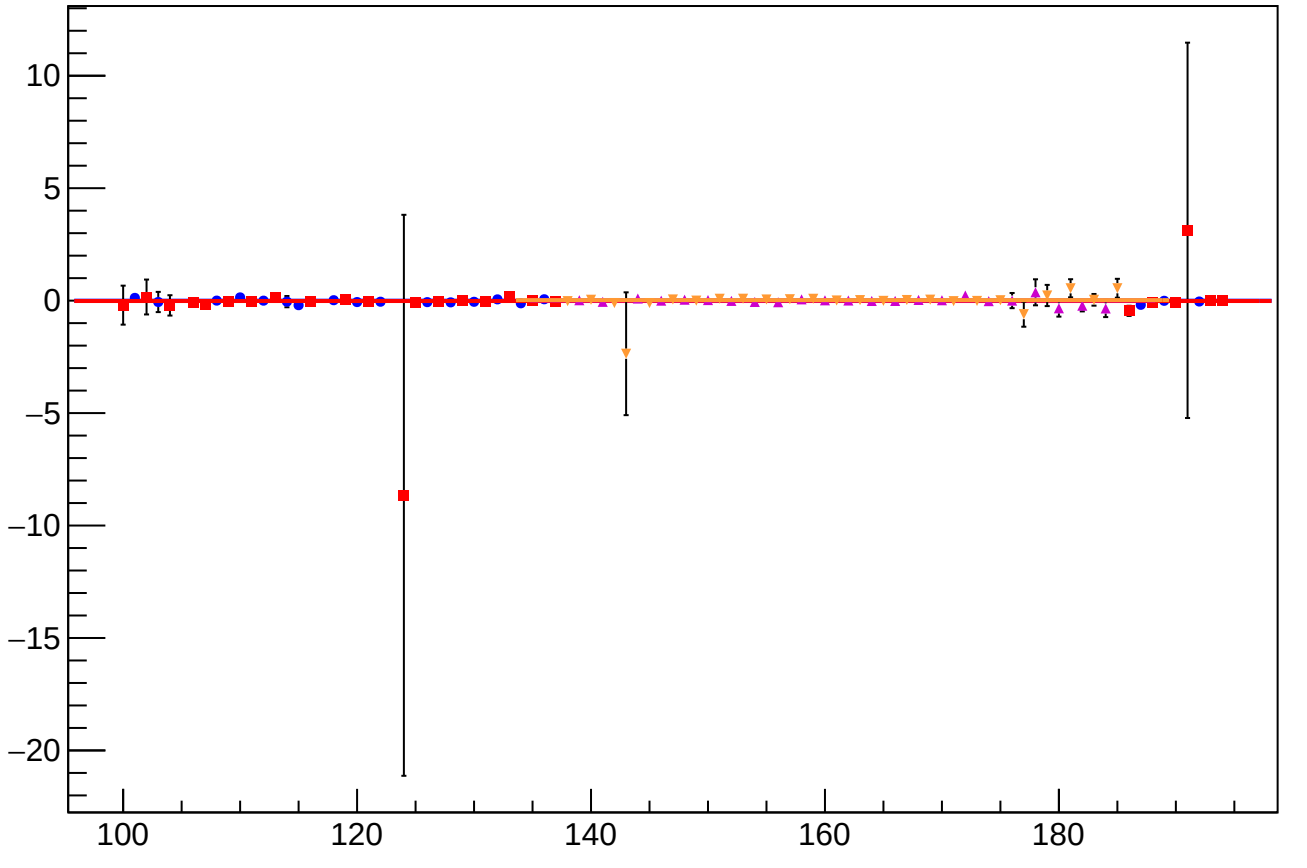
Right Out: 0.000+/-0.000 χ^2/NDF: 3953352.2/24

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: 15589924.4/91

- sign 0.000+/-0.000 χ^2/NDF: 7608358.4/47



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.014 χ^2/NDF: 20.3/24

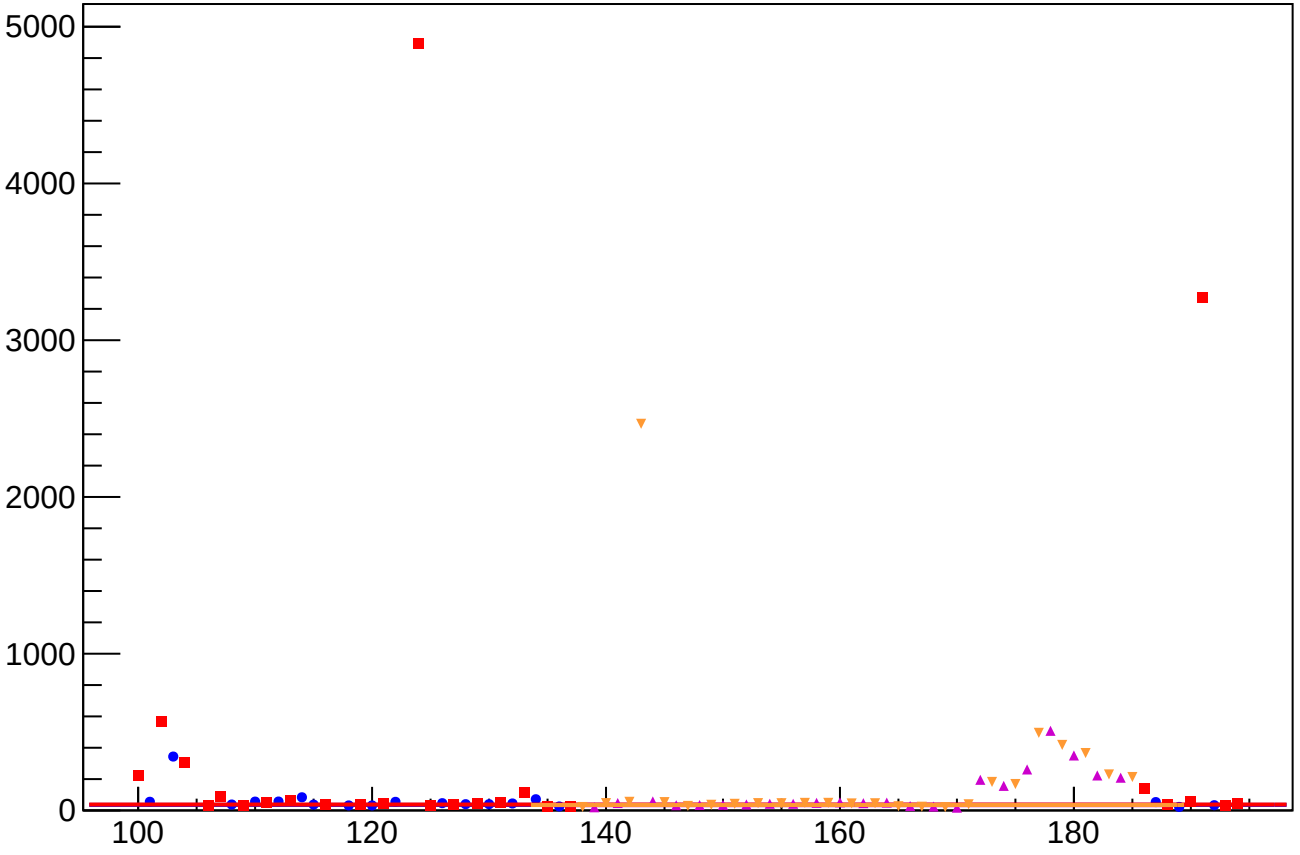
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.9/91

- sign 0.000+/-0.008 χ^2/NDF: 37.7/47

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

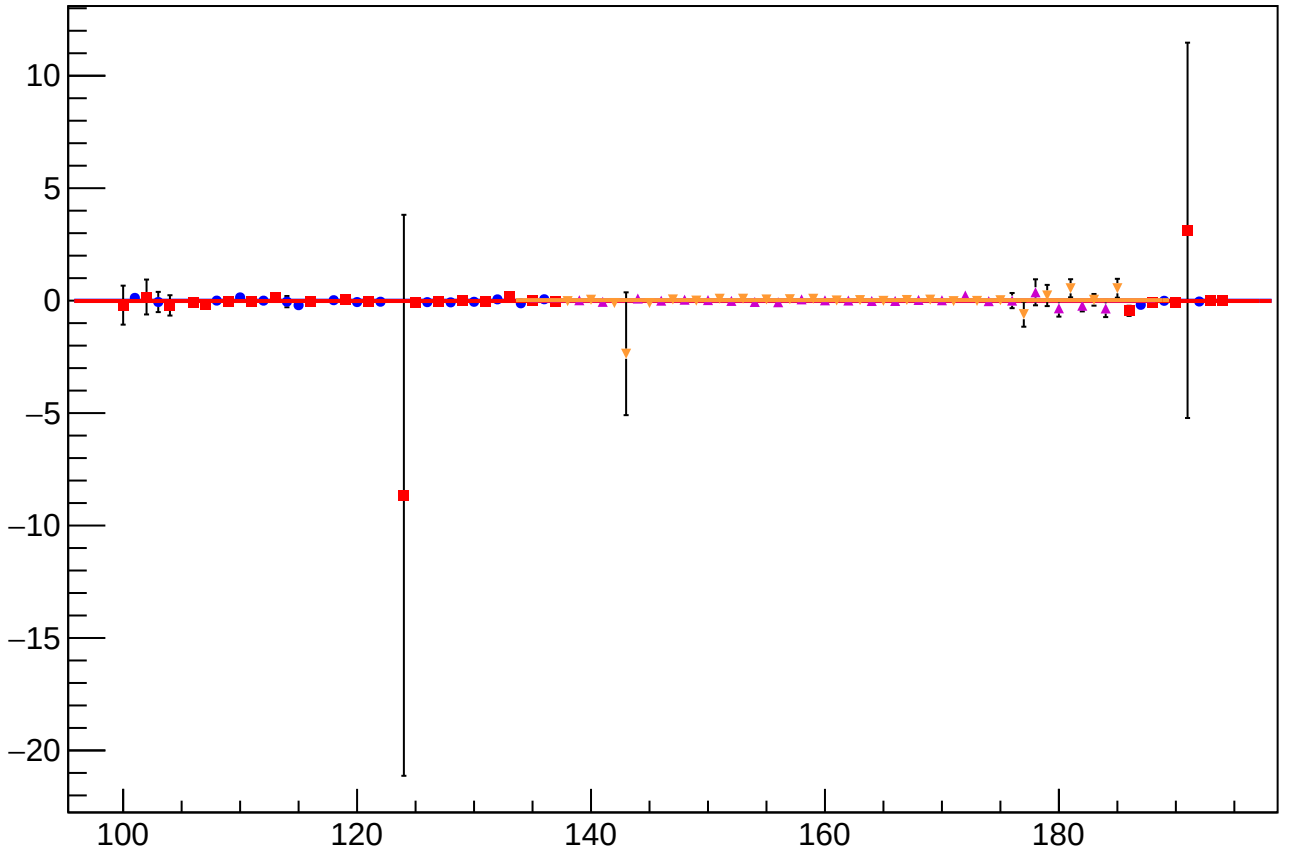
Right Out: 37.832+/-0.010 χ^2/NDF: 4096219.1/24

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 34.919+/-0.006 χ^2/NDF: 13666431.7/43

All: 34.987+/-0.004 χ^2/NDF: 27955646.3/91

- sign 35.052+/-0.006 χ^2/NDF: 14288948.0/47



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

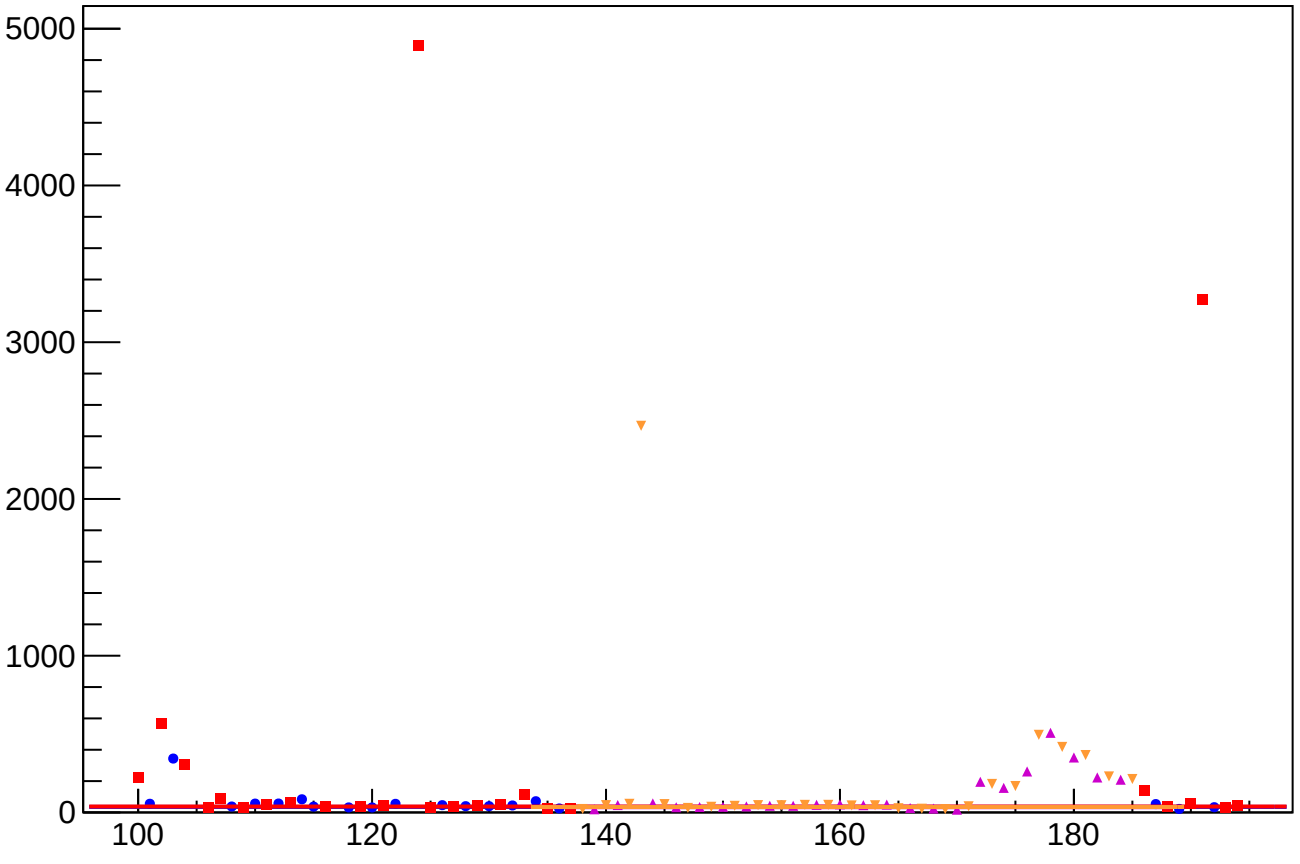
Right Out: -0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.9/91

- sign 0.000+/-0.008 χ^2/NDF: 37.7/47



Right In: 35.463+/-0.010 χ^2/NDF: 2259217.2/18

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

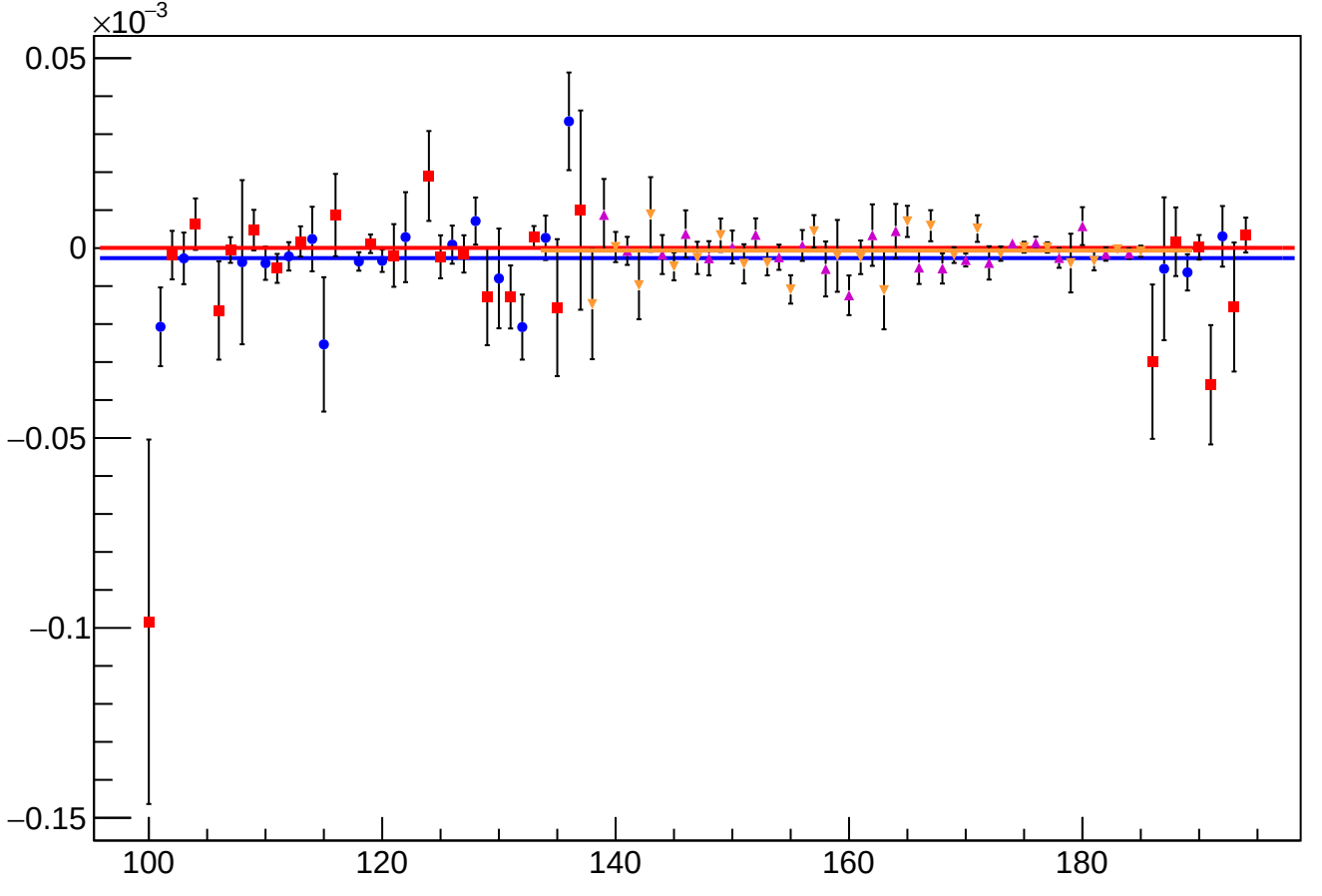
Right Out: 37.832+/-0.010 χ^2/NDF: 4096219.1/24

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.919+/-0.006 χ^2/NDF: 13666431.7/43

All: 34.987+/-0.004 χ^2/NDF: 27955646.3/91

\- sign 35.052+/-0.006 χ^2/NDF: 14288948.0/47



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

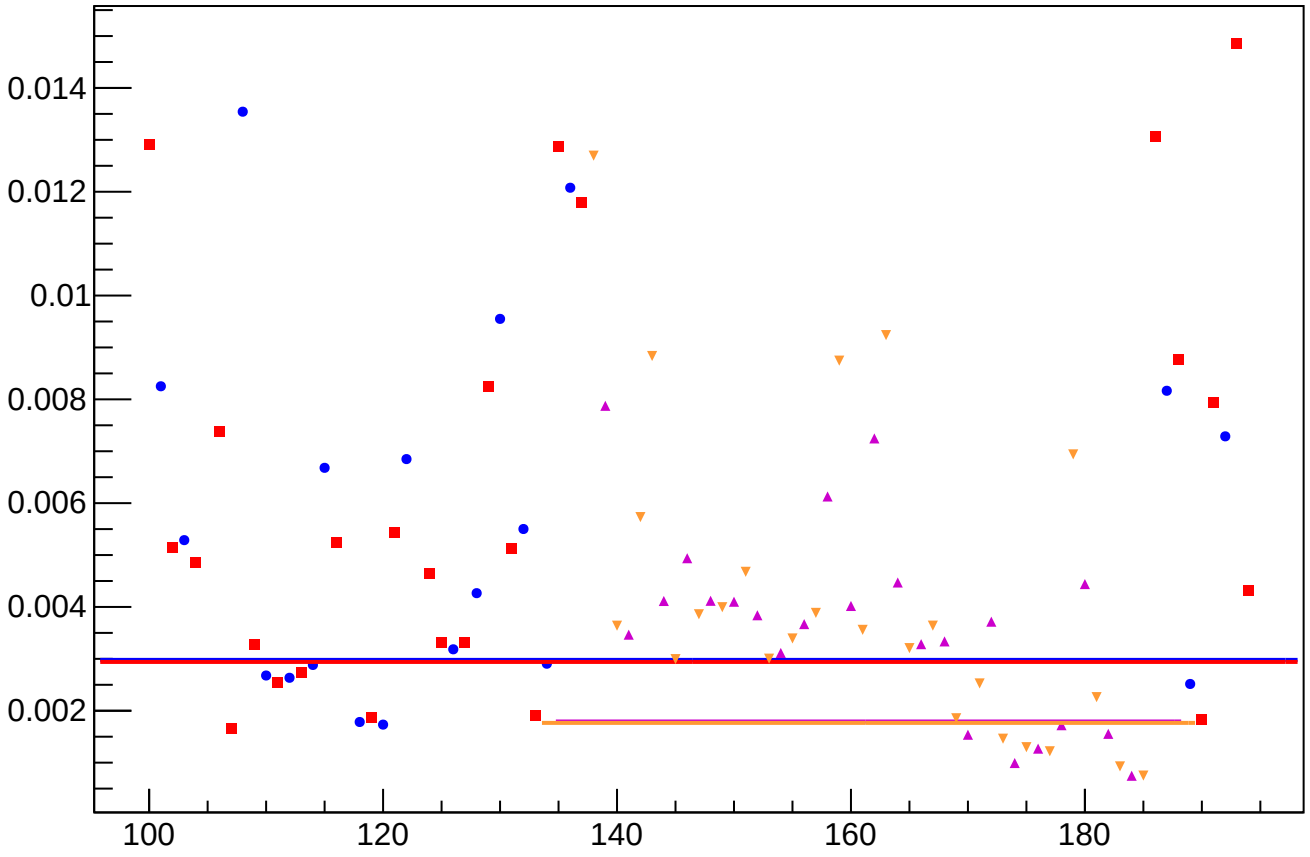
Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/24

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.6/43

All: -0.000+/-0.000 χ^2/NDF: 104.0/91

- sign -0.000+/-0.000 χ^2/NDF: 50.0/47



Right In: 0.003+/-0.000 χ^2/NDF: 4918690.9/18

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

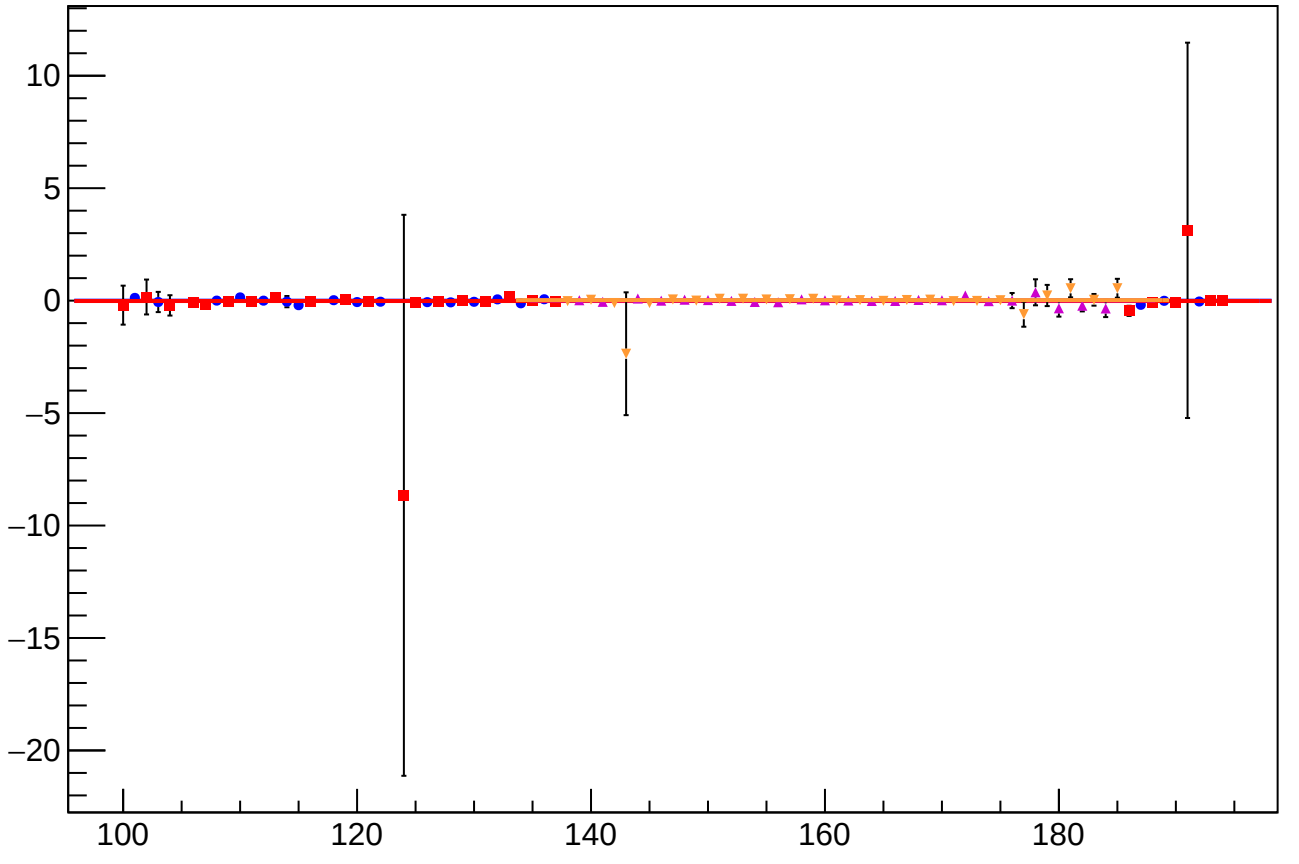
Right Out: 0.003+/-0.000 χ^2/NDF: 6280650.5/24

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 19479825.5/43

All: 0.002+/-0.000 χ^2/NDF: 38417285.5/91

- sign 0.002+/-0.000 χ^2/NDF: 18902076.1/47



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

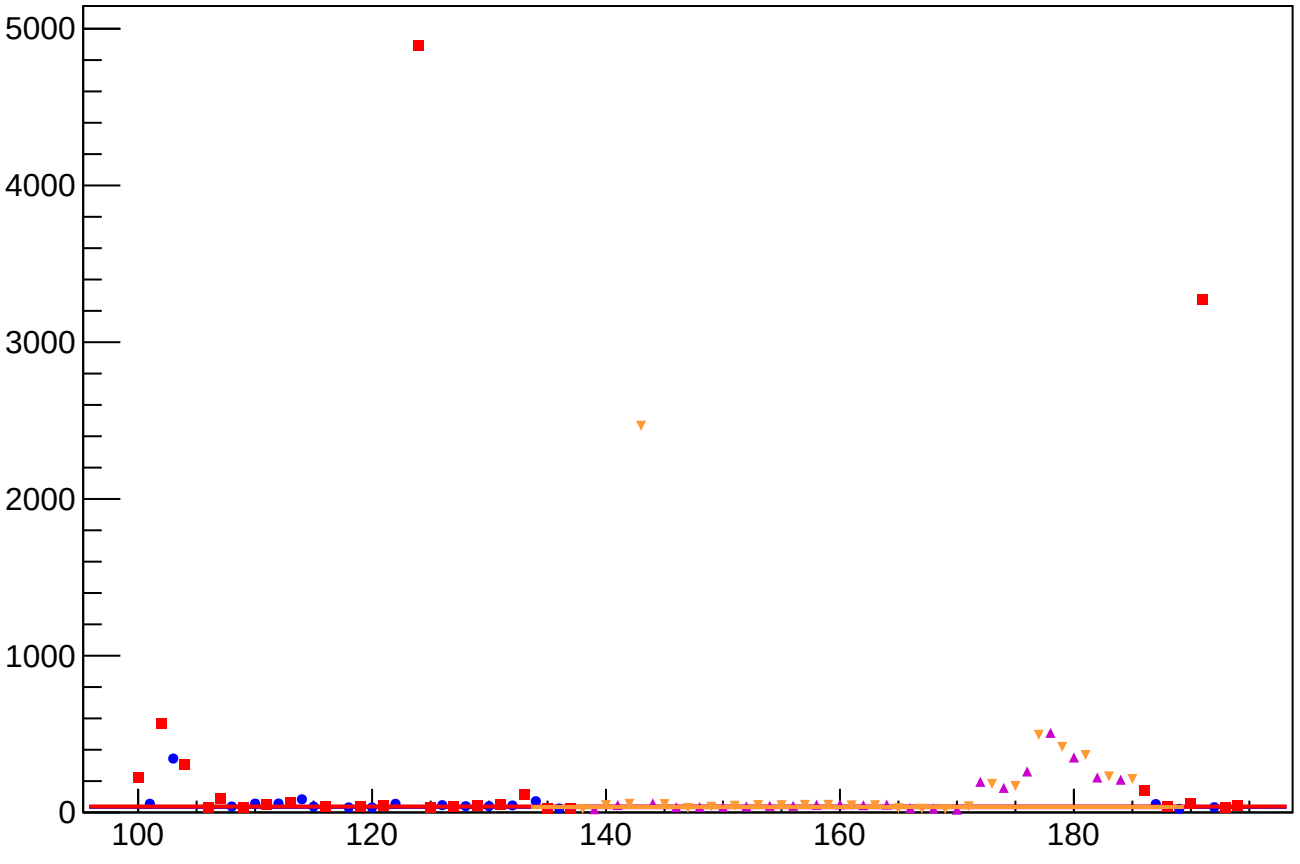
Right Out: -0.017+/-0.014 χ^2/NDF: 20.3/24

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.9/91

- sign 0.000+/-0.008 χ^2/NDF: 37.7/47



Right In: 35.465+/-0.010 χ^2/NDF: 2258575.1/18

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.833+/-0.010 χ^2/NDF: 4095928.6/24

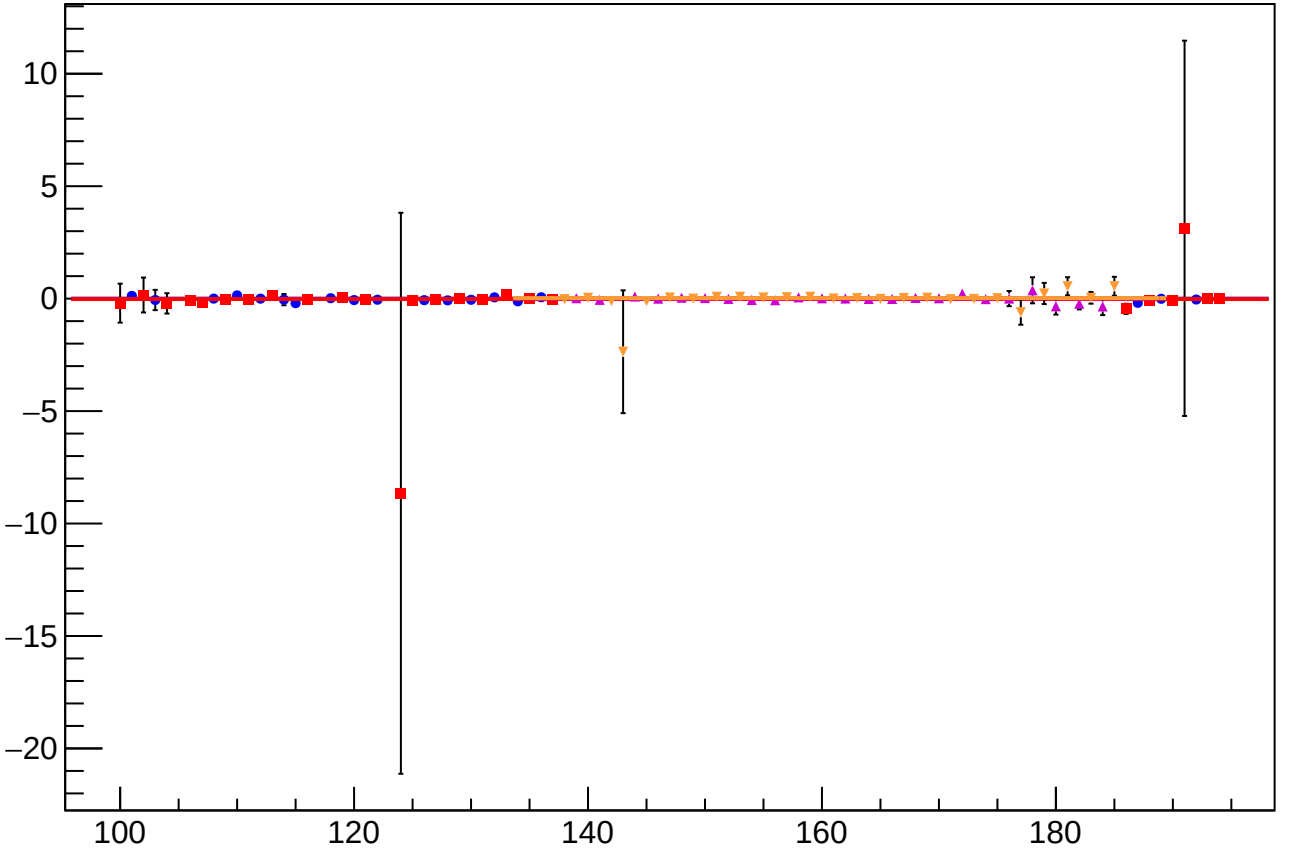
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.919+/-0.006 χ^2/NDF: 13665940.6/43

All: 34.988+/-0.004 χ^2/NDF: 27953500.4/91

- sign 35.054+/-0.006 χ^2/NDF: 14287286.6/47

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.014 χ^2/NDF: 22.7/18

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.014 χ^2/NDF: 20.3/24

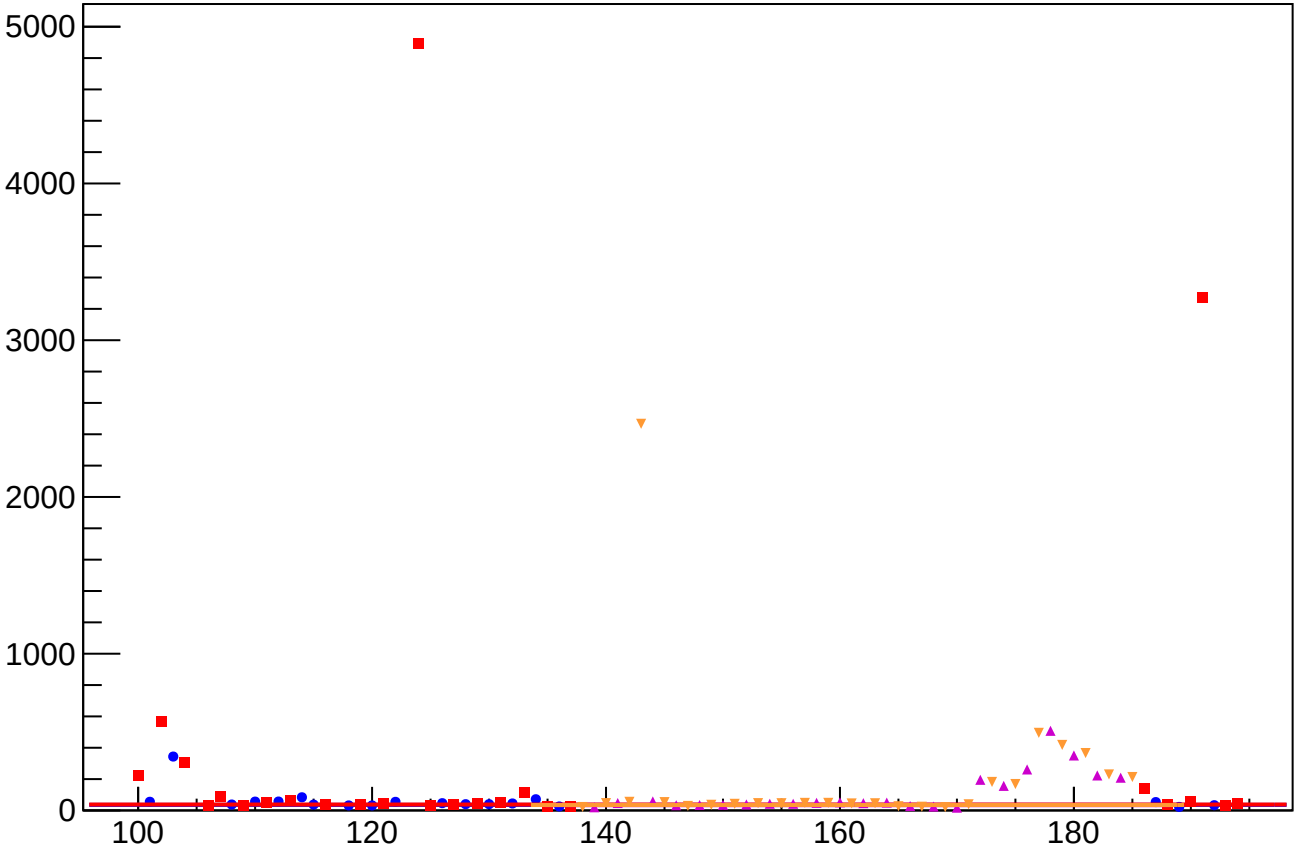
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.014+/-0.008 χ^2/NDF: 47.7/43

All: 0.007+/-0.006 χ^2/NDF: 86.9/91

- sign 0.000+/-0.008 χ^2/NDF: 37.7/47

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

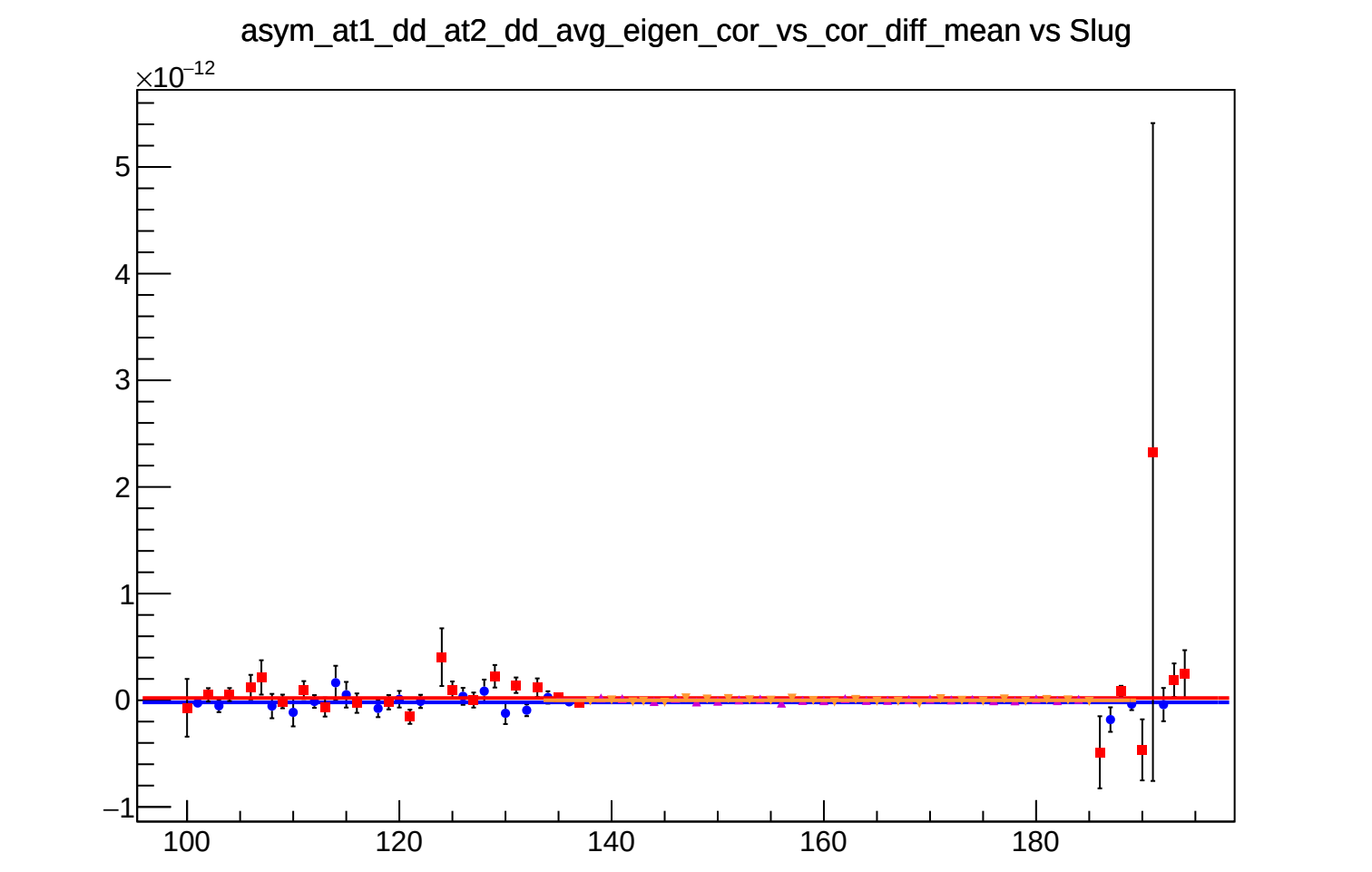
Right Out: 37.833+/-0.010 χ^2/NDF: 4095928.6/24

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.919+/-0.006 χ^2/NDF: 13665940.6/43

All: 34.988+/-0.004 χ^2/NDF: 27953500.4/91

- sign 35.054+/-0.006 χ^2/NDF: 14287286.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

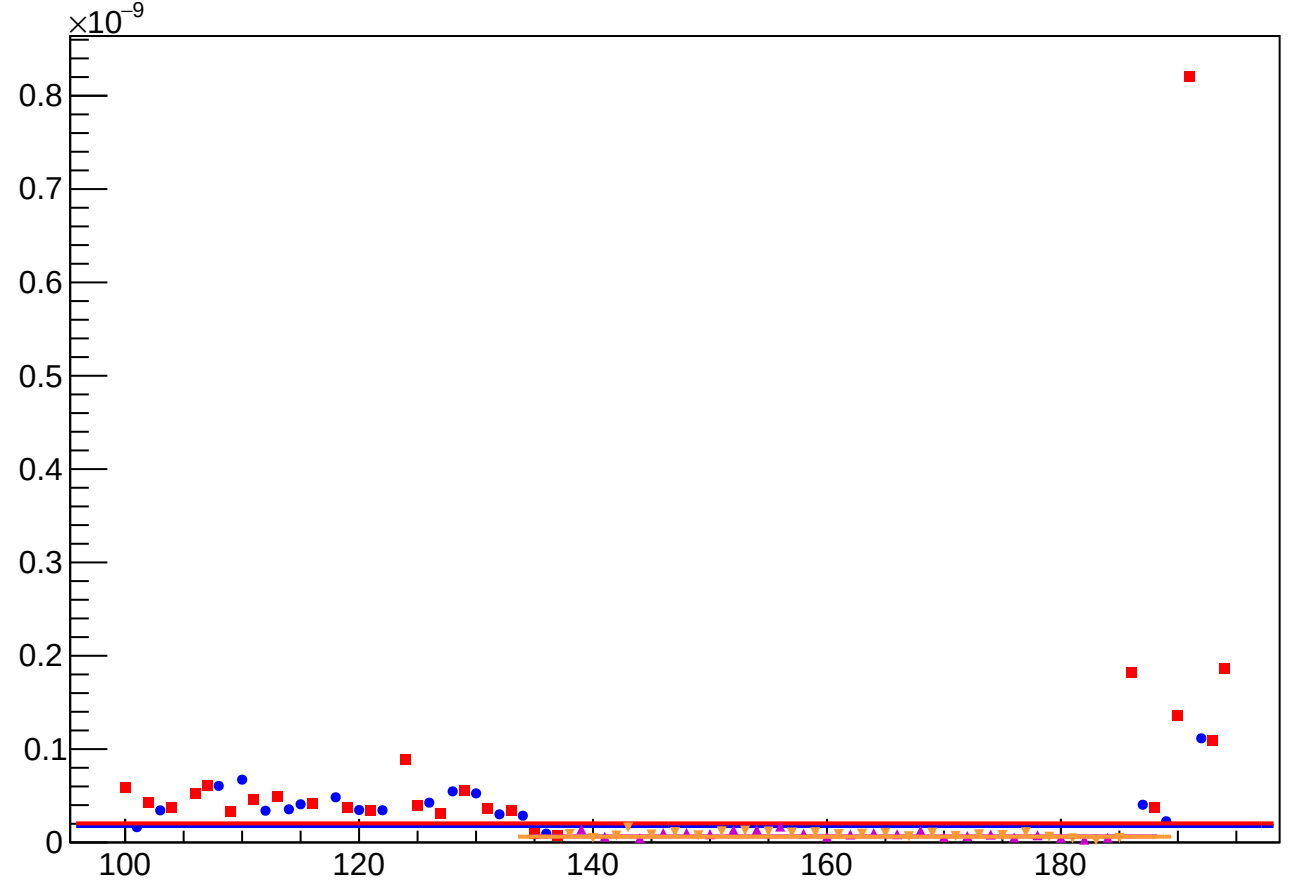
Right Out: 0.000+/-0.000 χ^2/NDF: 36.9/24

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.4/43

All: 0.000+/-0.000 χ^2/NDF: 102.1/91

- sign 0.000+/-0.000 χ^2/NDF: 59.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 4037876.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6635620.7/24

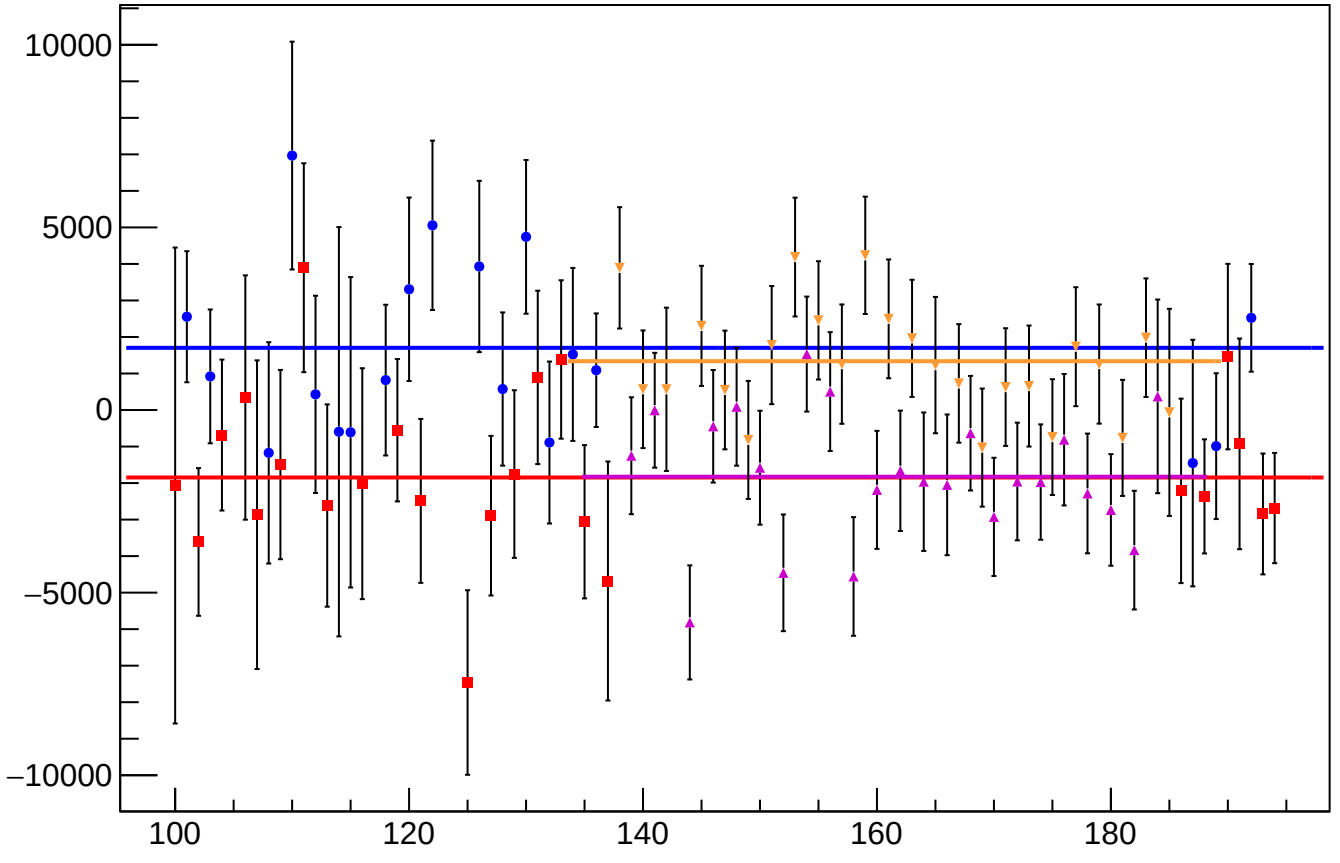
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11782598.5/43

All: 0.000+/-0.000 χ^2/NDF: 25693023.5/91

- sign 0.000+/-0.000 χ^2/NDF: 13882735.9/47

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: -1847.119+/-470.186 χ^2/NDF: 18.6/23

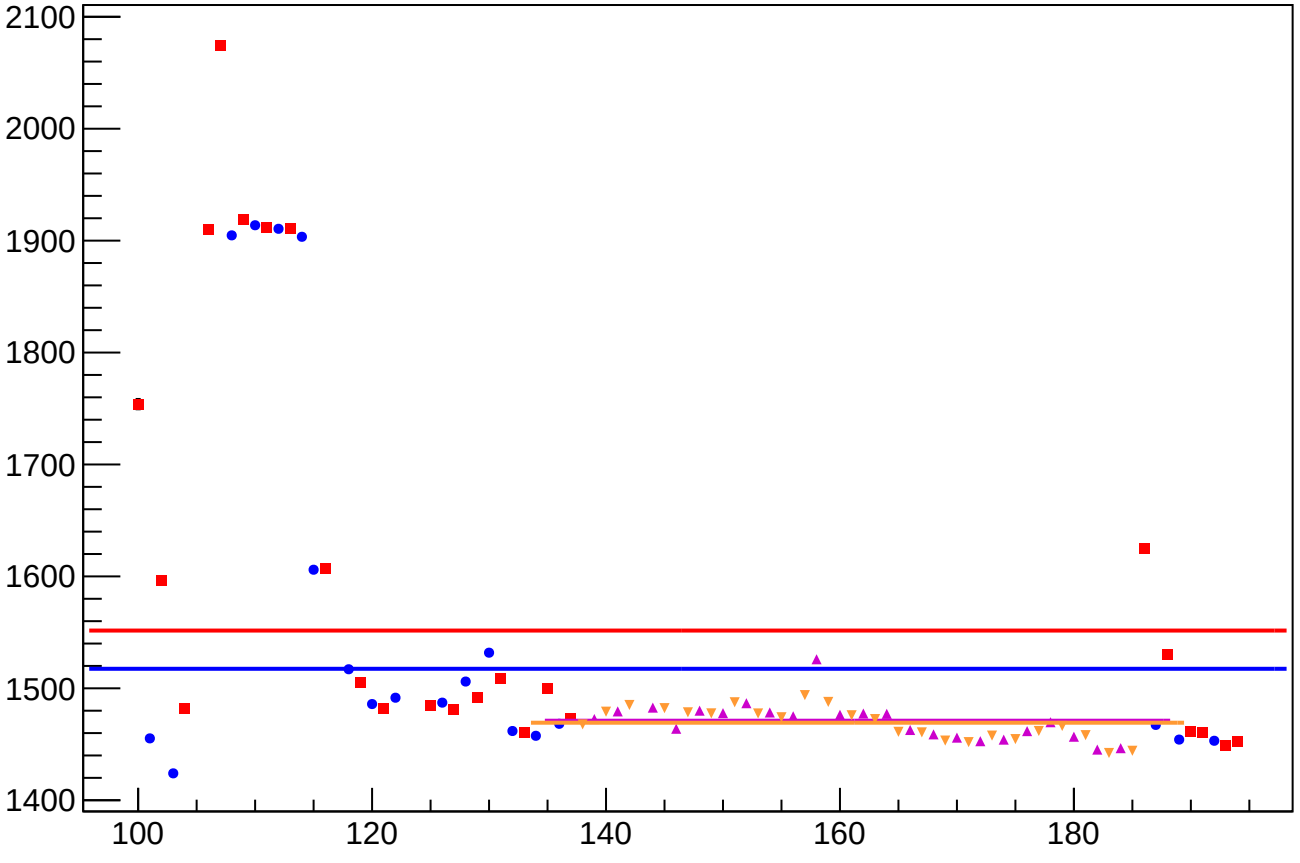
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1450.314+/-283.391 χ^2/NDF: 34.9/42

All: -227.043+/-198.220 χ^2/NDF: 148.6/89

- sign -1833.739+/-277.357 χ^2/NDF: 45.1/46

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

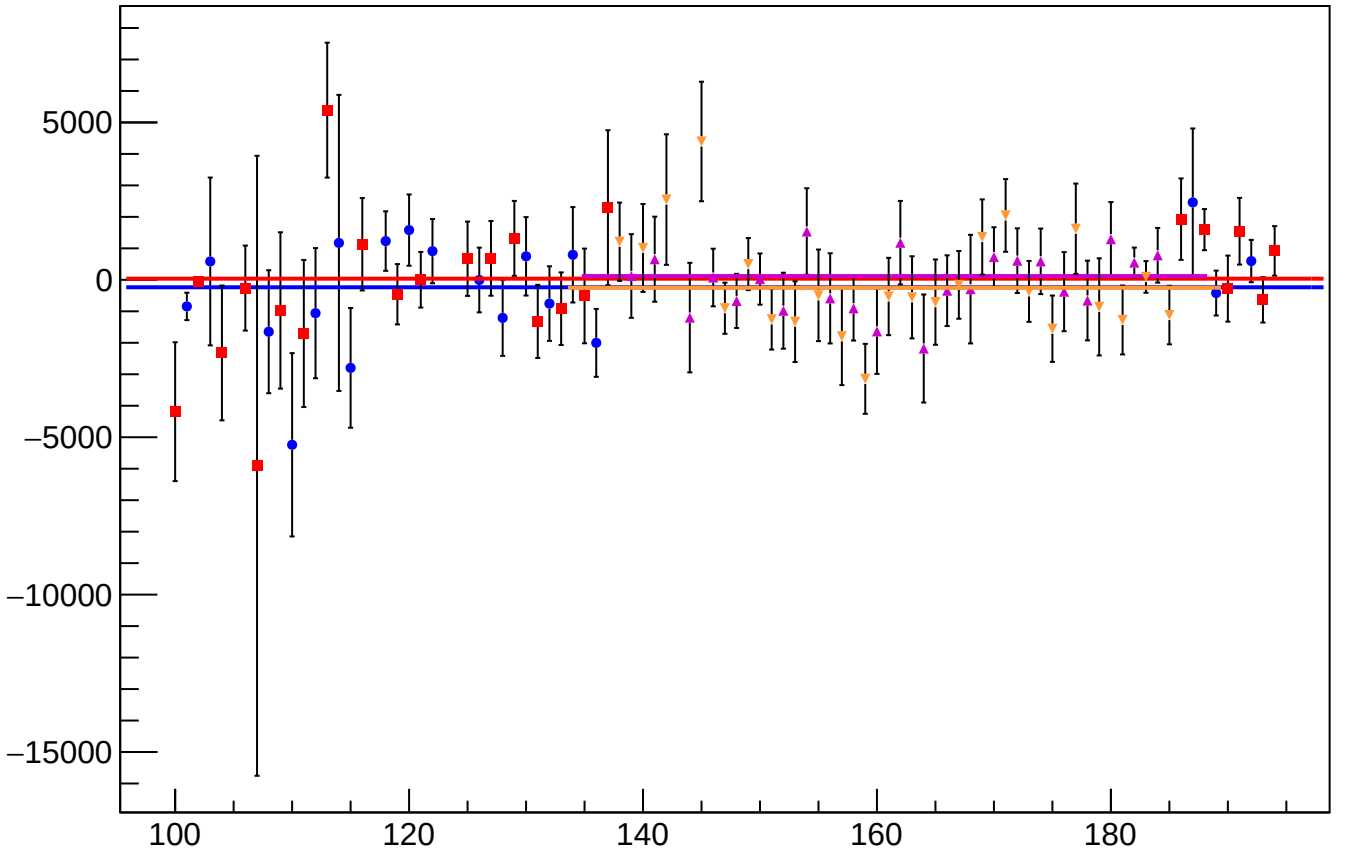
Right Out: 1551.609+/-0.332 χ^2/NDF: 202254.4/23

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1484.173+/-0.200 χ^2/NDF: 152660.1/42

All: 1491.789+/-0.140 χ^2/NDF: 400662.6/89

- sign 1499.084+/-0.196 χ^2/NDF: 245174.1/46



Right In: -236.610+/-236.663 χ^2/NDF: 21.4/18

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 37.263+/-119.862 χ^2/NDF: 30.4/23

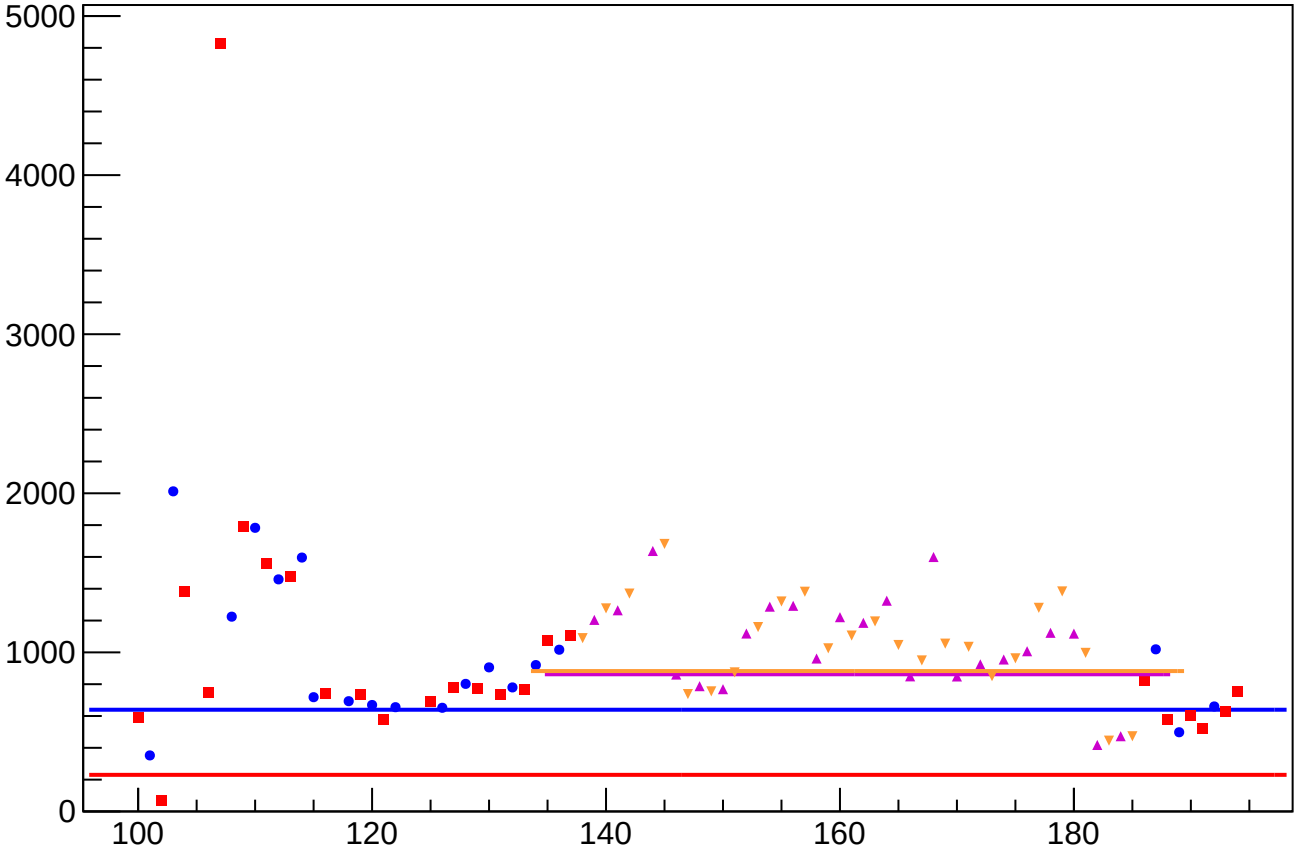
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -244.712+/-160.489 χ^2/NDF: 54.1/42

All: -33.411+/-87.751 χ^2/NDF: 99.9/89

- sign 56.699+/-104.804 χ^2/NDF: 43.4/46

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: 230.113+/-0.085 χ^2/NDF: 13030445.0/23

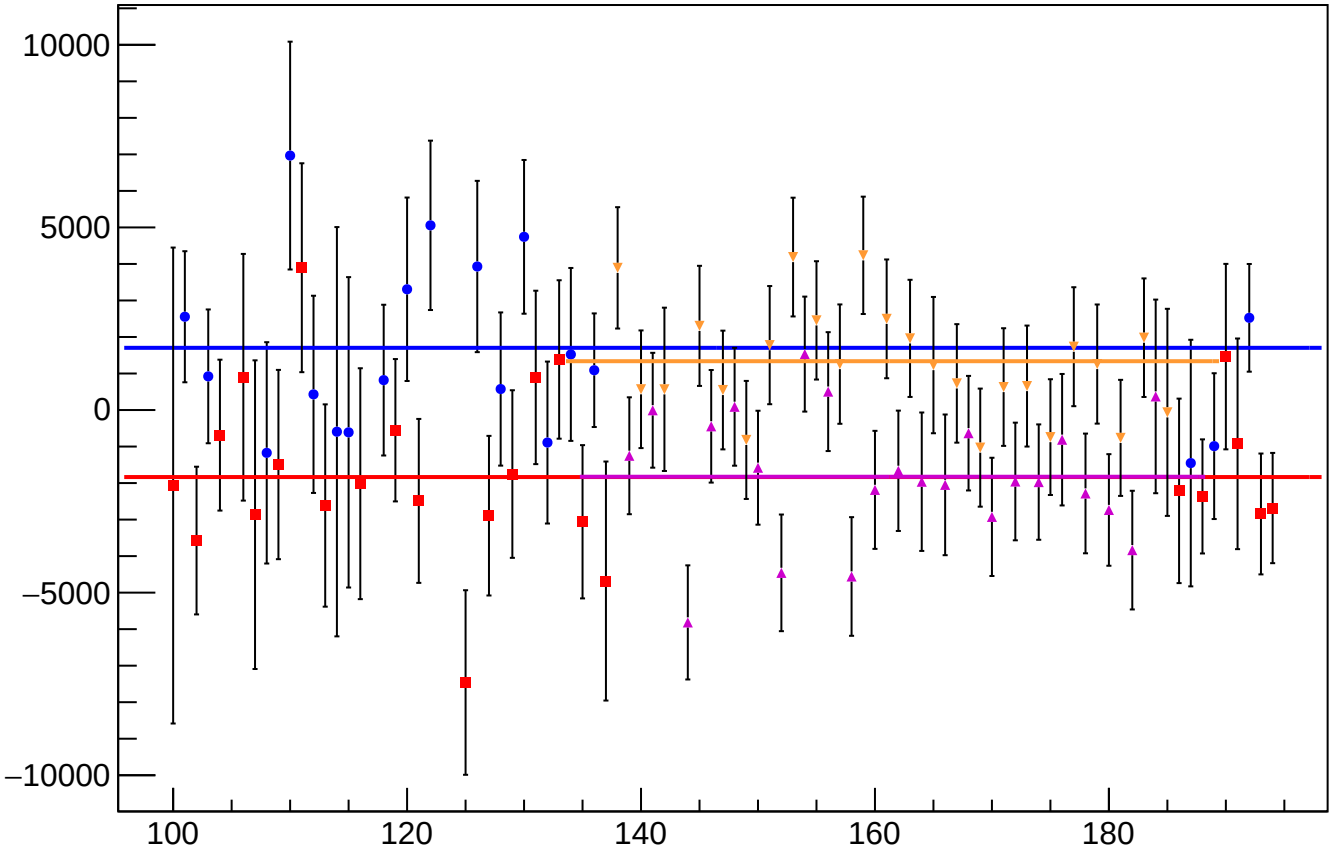
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 770.677+/-0.113 χ^2/NDF: 7939783.2/42

All: 496.080+/-0.062 χ^2/NDF: 46792541.6/89

- sign 378.978+/-0.074 χ^2/NDF: 30500773.1/46

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: -1835.108+/-470.278 χ^2/NDF: 18.8/23

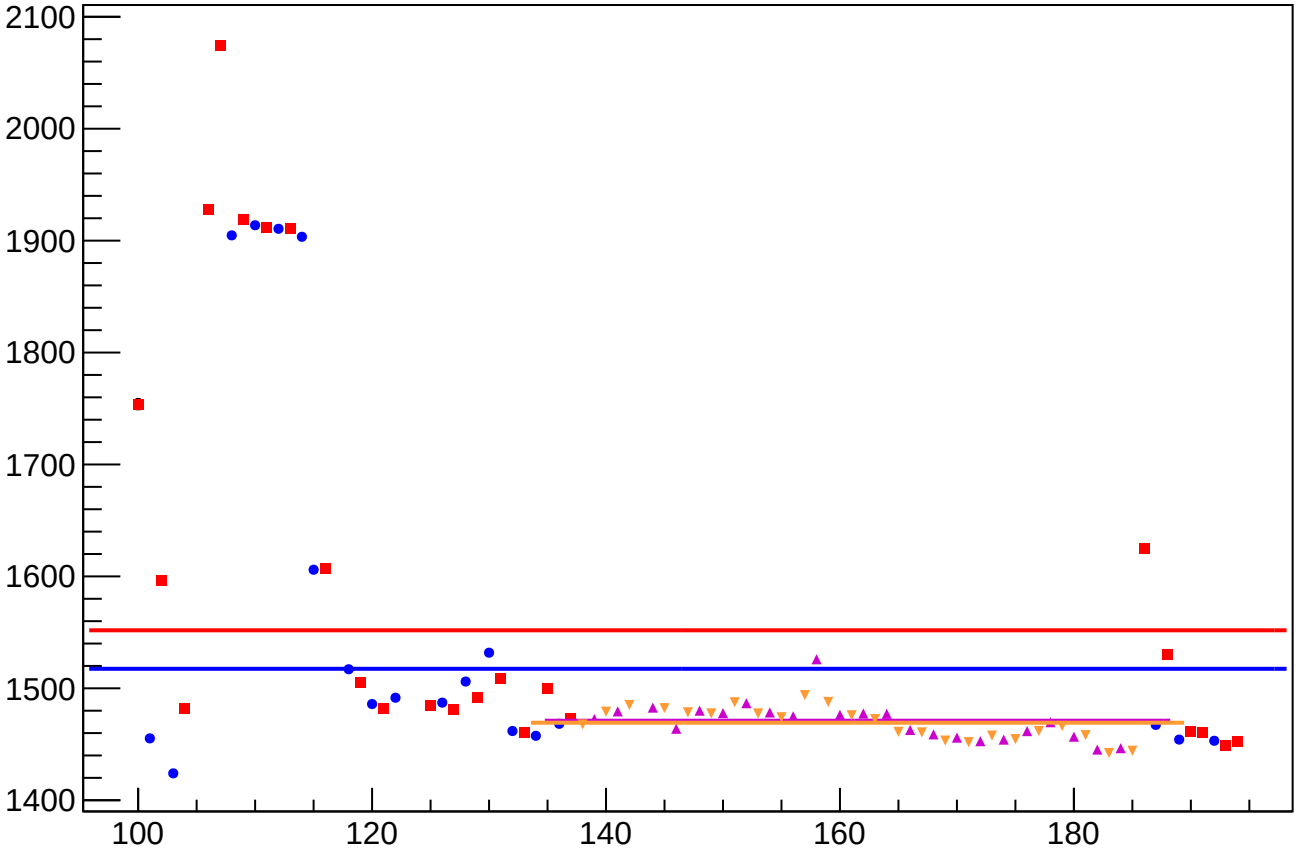
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1450.356+/-283.391 χ^2/NDF: 34.9/42

All: -224.791+/-198.227 χ^2/NDF: 148.6/89

- sign -1829.588+/-277.376 χ^2/NDF: 45.3/46

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

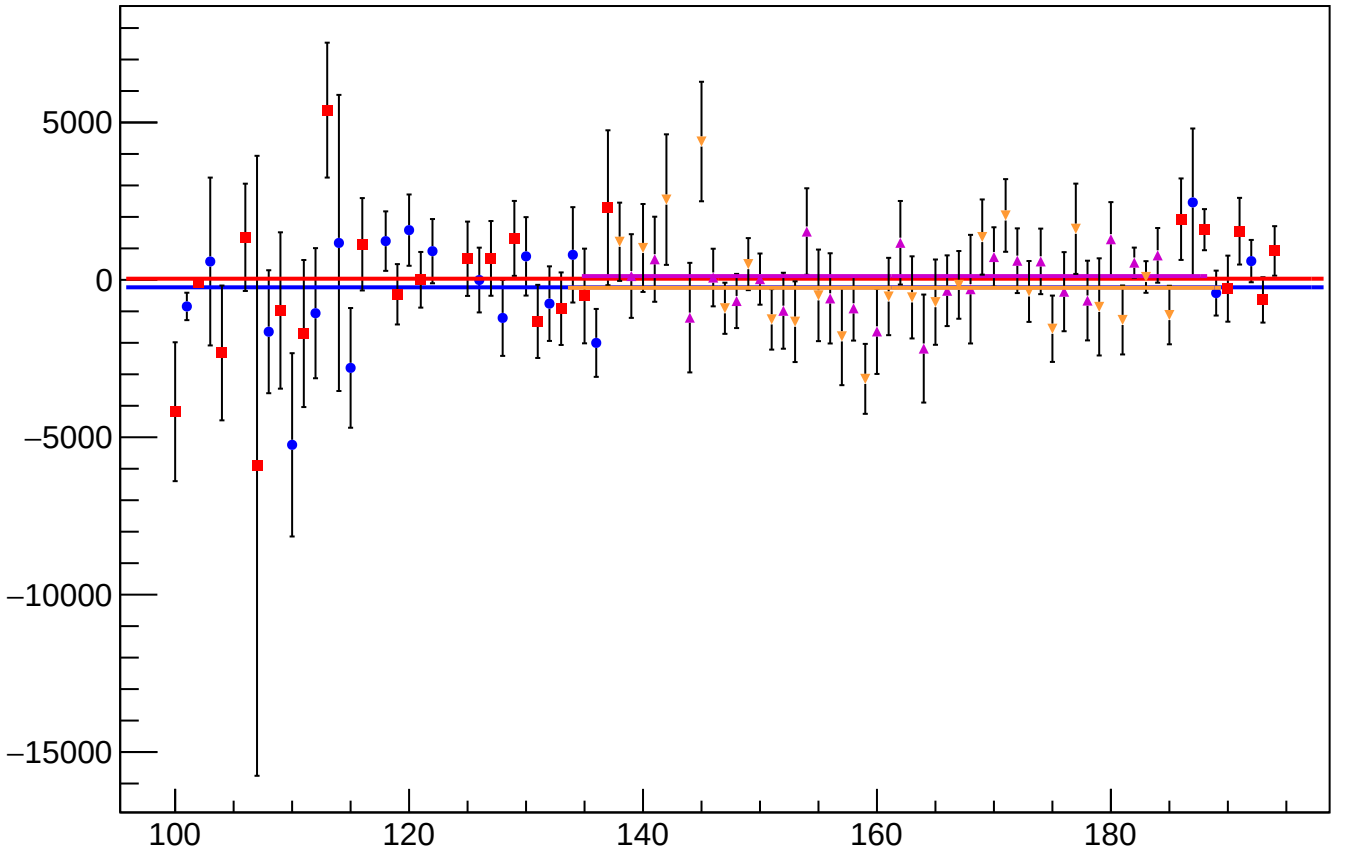
Right Out: 1551.839+/-0.333 χ^2/NDF: 204187.6/23

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1484.173+/-0.200 χ^2/NDF: 152660.0/42

All: 1491.826+/-0.140 χ^2/NDF: 402833.1/89

- sign 1499.158+/-0.196 χ^2/NDF: 247317.1/46



Right In: -236.553+/-236.662 χ^2/NDF: 21.4/18

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 37.094+/-128.366 χ^2/NDF: 31.2/23

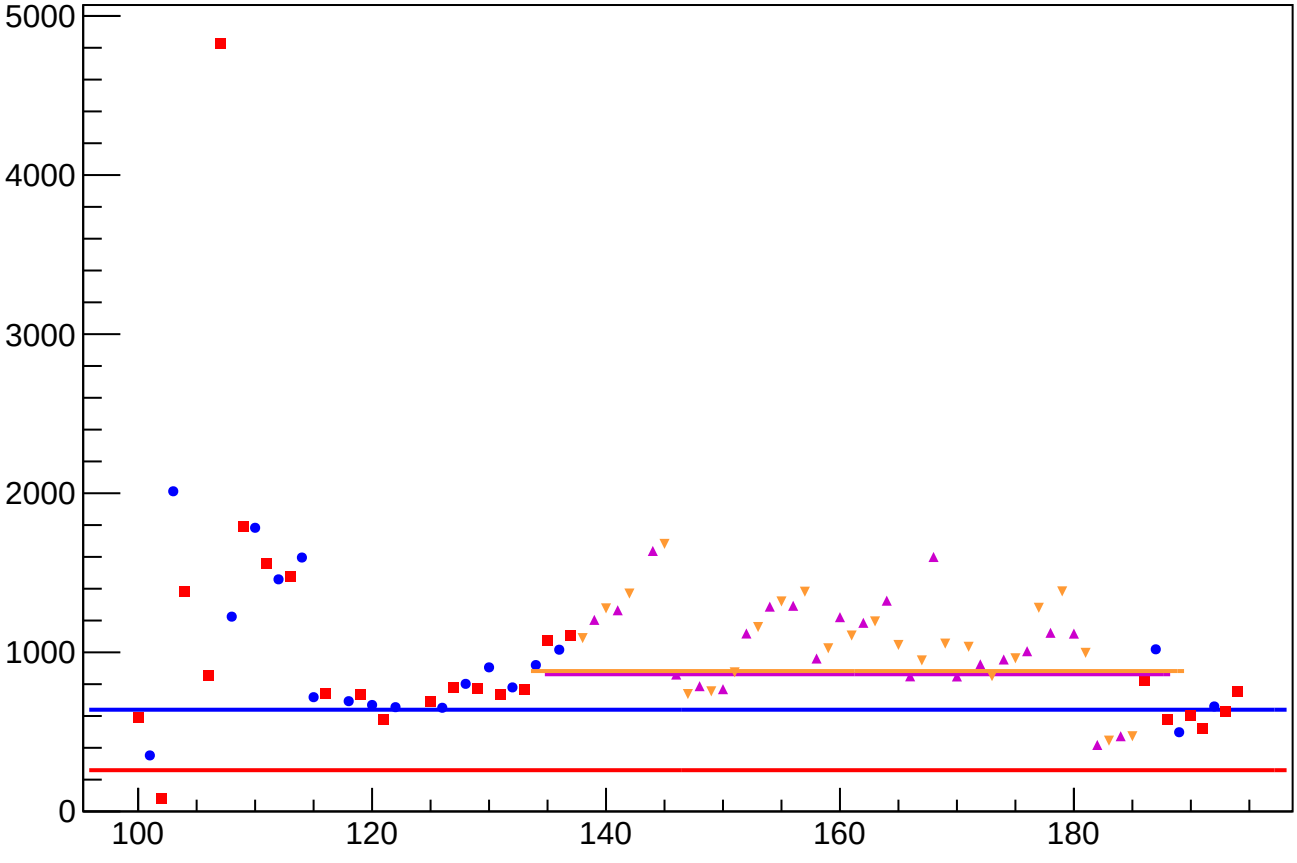
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -244.674+/-160.488 χ^2/NDF: 54.1/42

All: -38.686+/-90.927 χ^2/NDF: 100.7/89

- sign 58.696+/-110.347 χ^2/NDF: 44.2/46

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: 259.334+/-0.091 χ^2/NDF: 12175696.0/23

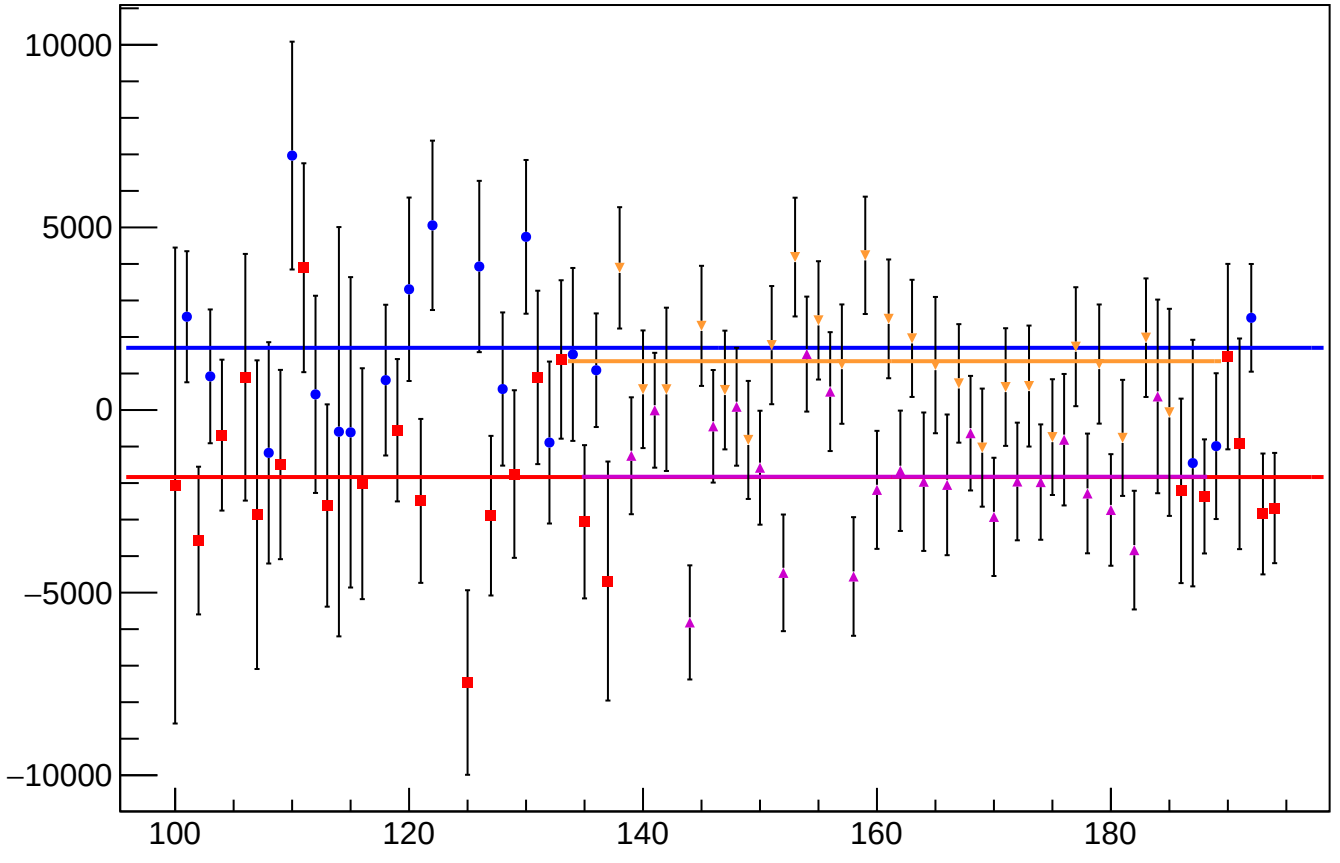
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 770.670+/-0.113 χ^2/NDF: 7940095.9/42

All: 530.347+/-0.064 χ^2/NDF: 42609474.9/89

- sign 416.733+/-0.078 χ^2/NDF: 28064436.8/46

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: -1835.108+/-470.278 χ^2/NDF: 18.8/23

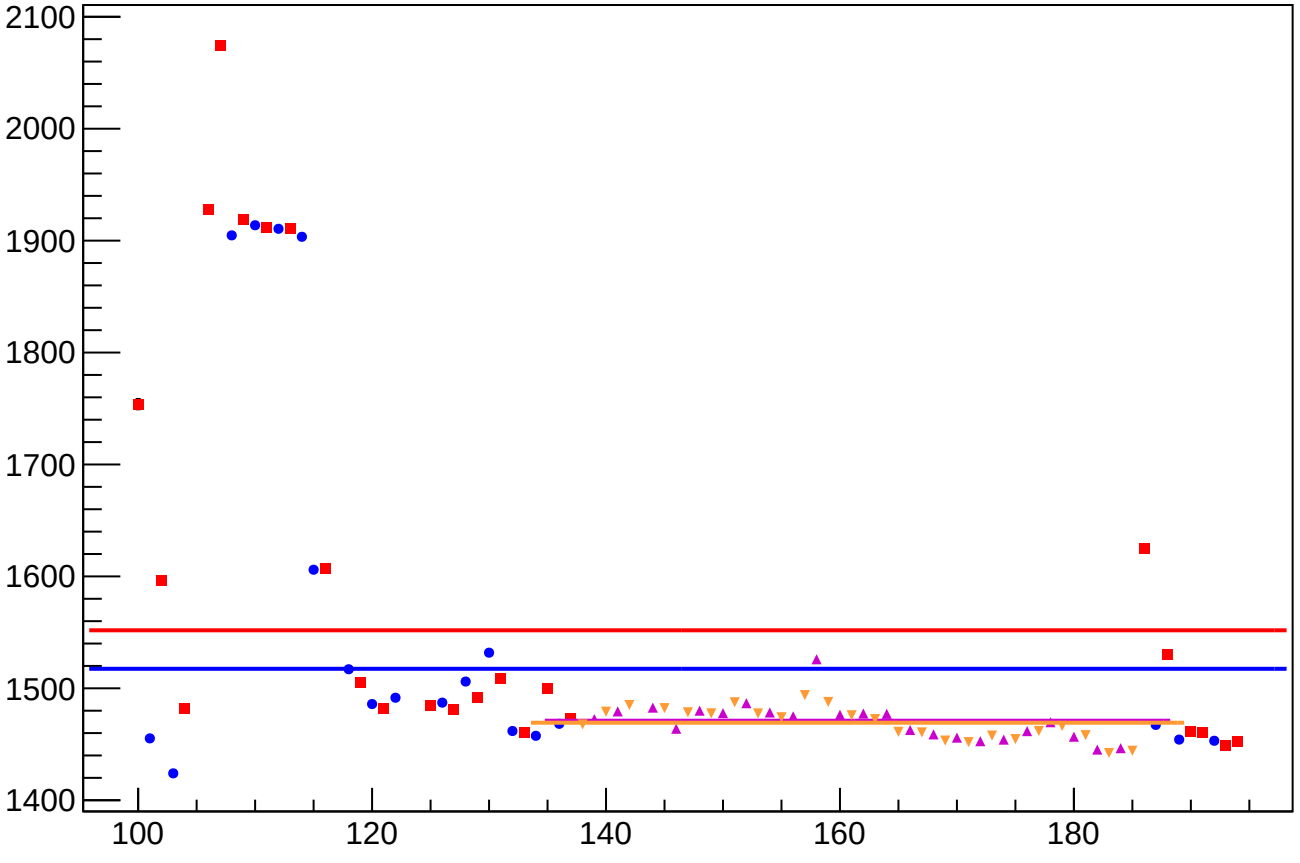
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1450.356+/-283.391 χ^2/NDF: 34.9/42

All: -224.791+/-198.227 χ^2/NDF: 148.6/89

- sign -1829.588+/-277.376 χ^2/NDF: 45.3/46

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

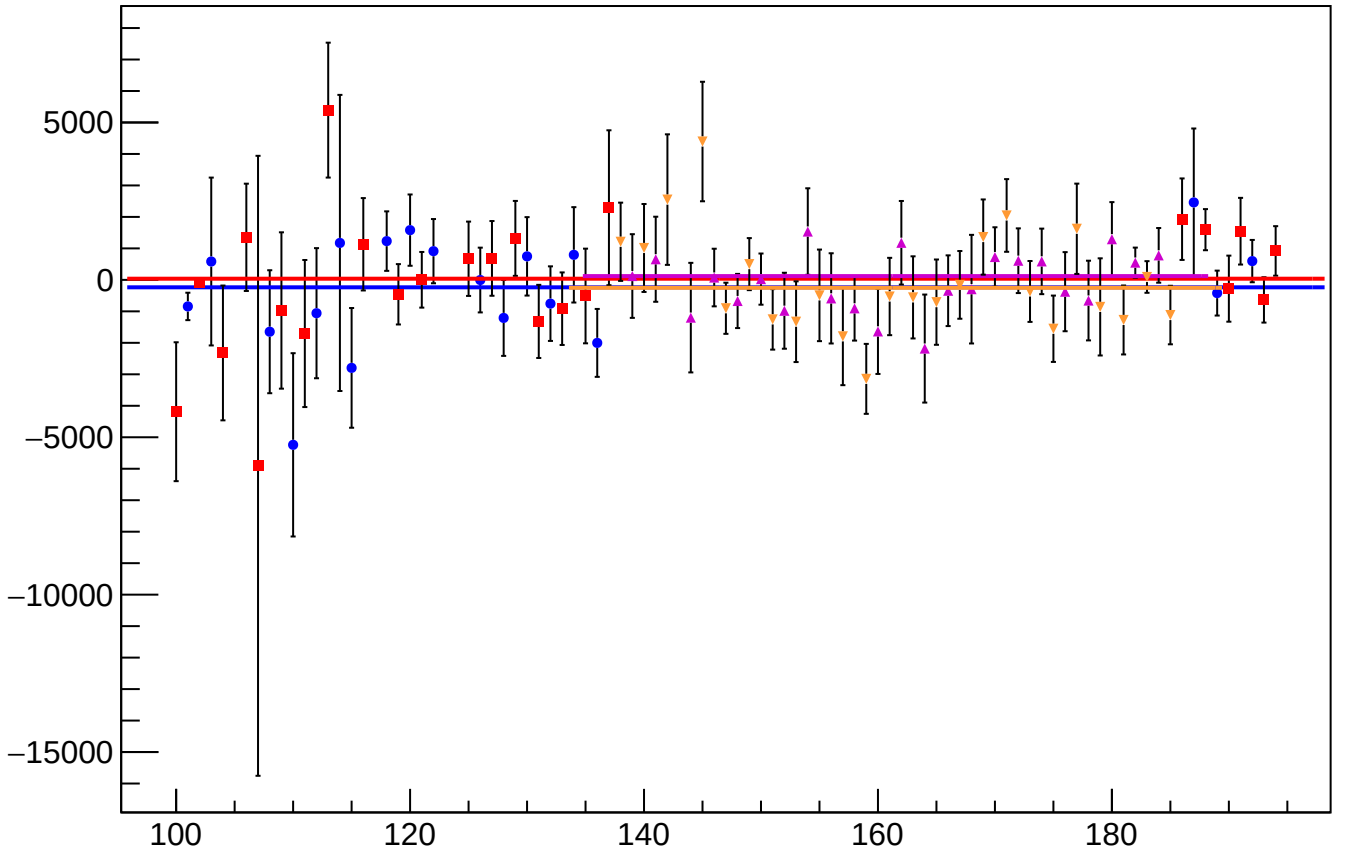
Right Out: 1551.839+/-0.333 χ^2/NDF: 204187.6/23

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1484.173+/-0.200 χ^2/NDF: 152660.0/42

All: 1491.826+/-0.140 χ^2/NDF: 402833.1/89

- sign 1499.158+/-0.196 χ^2/NDF: 247317.1/46



Right In: -236.553+/-236.662 χ^2/NDF: 21.4/18

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 37.094+/-128.366 χ^2/NDF: 31.2/23

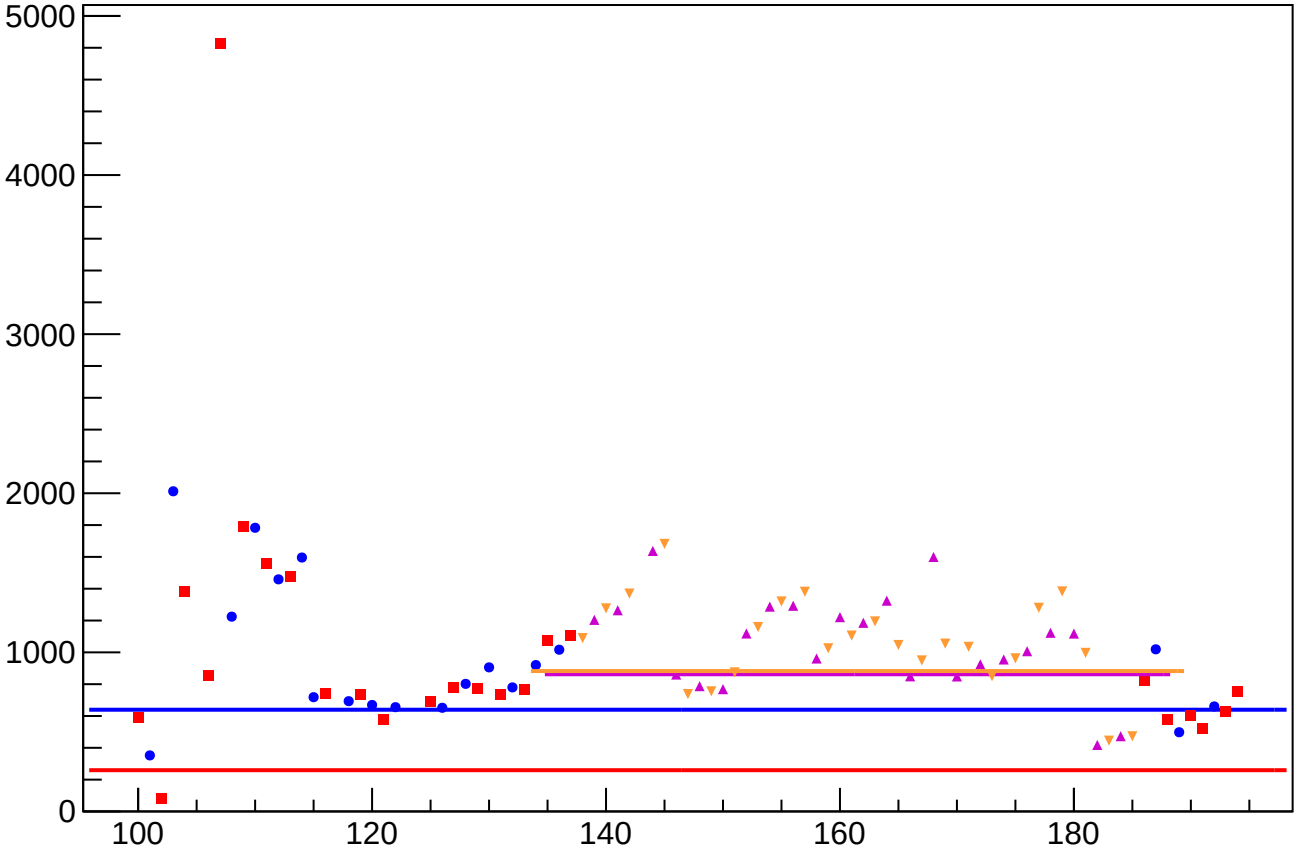
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -244.674+/-160.488 χ^2/NDF: 54.1/42

All: -38.686+/-90.927 χ^2/NDF: 100.7/89

- sign 58.696+/-110.347 χ^2/NDF: 44.2/46

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: 259.334+/-0.091 χ^2/NDF: 12175696.0/23

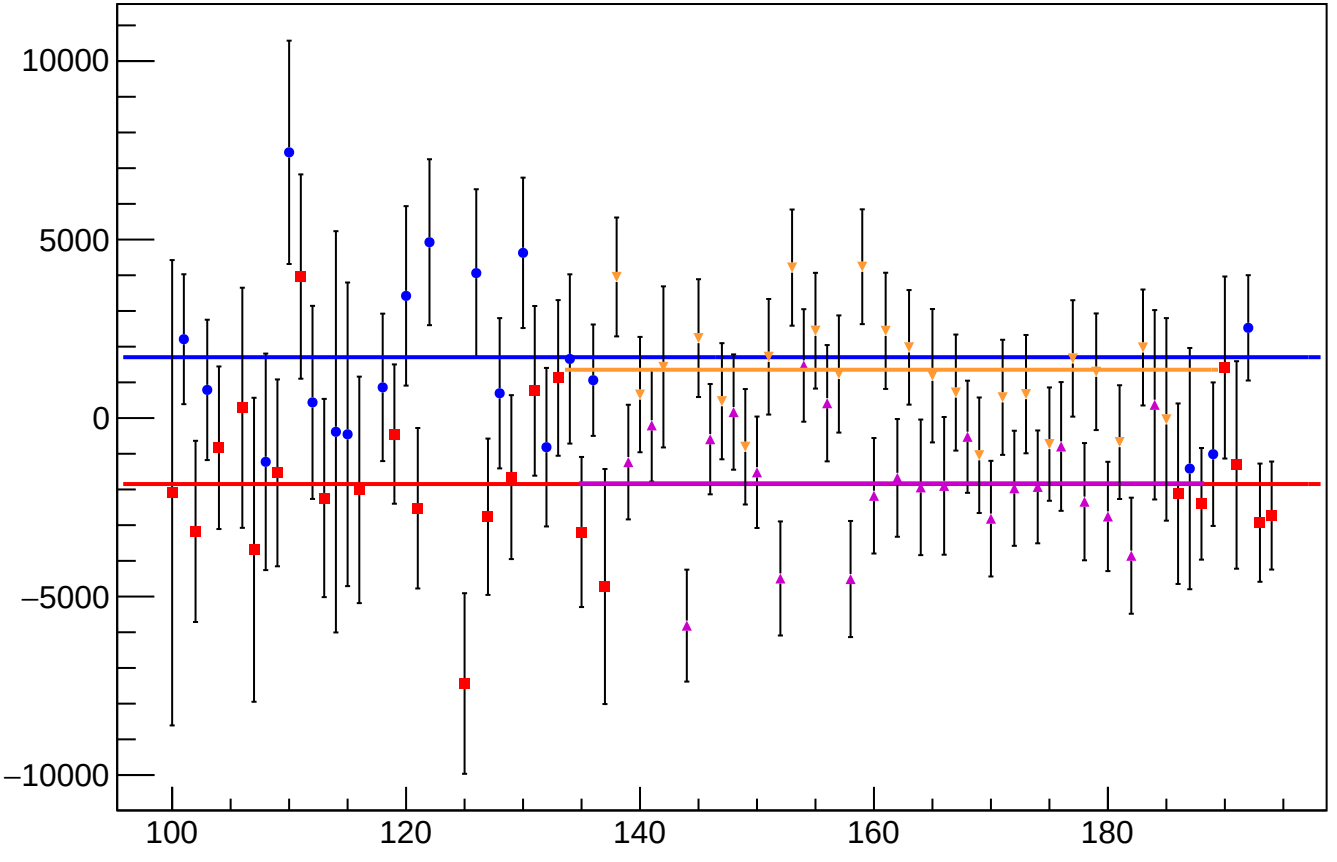
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 770.670+/-0.113 χ^2/NDF: 7940095.9/42

All: 530.347+/-0.064 χ^2/NDF: 42609474.9/89

- sign 416.733+/-0.078 χ^2/NDF: 28064436.8/46

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: -1848.135+/-478.203 χ^2/NDF: 17.7/23

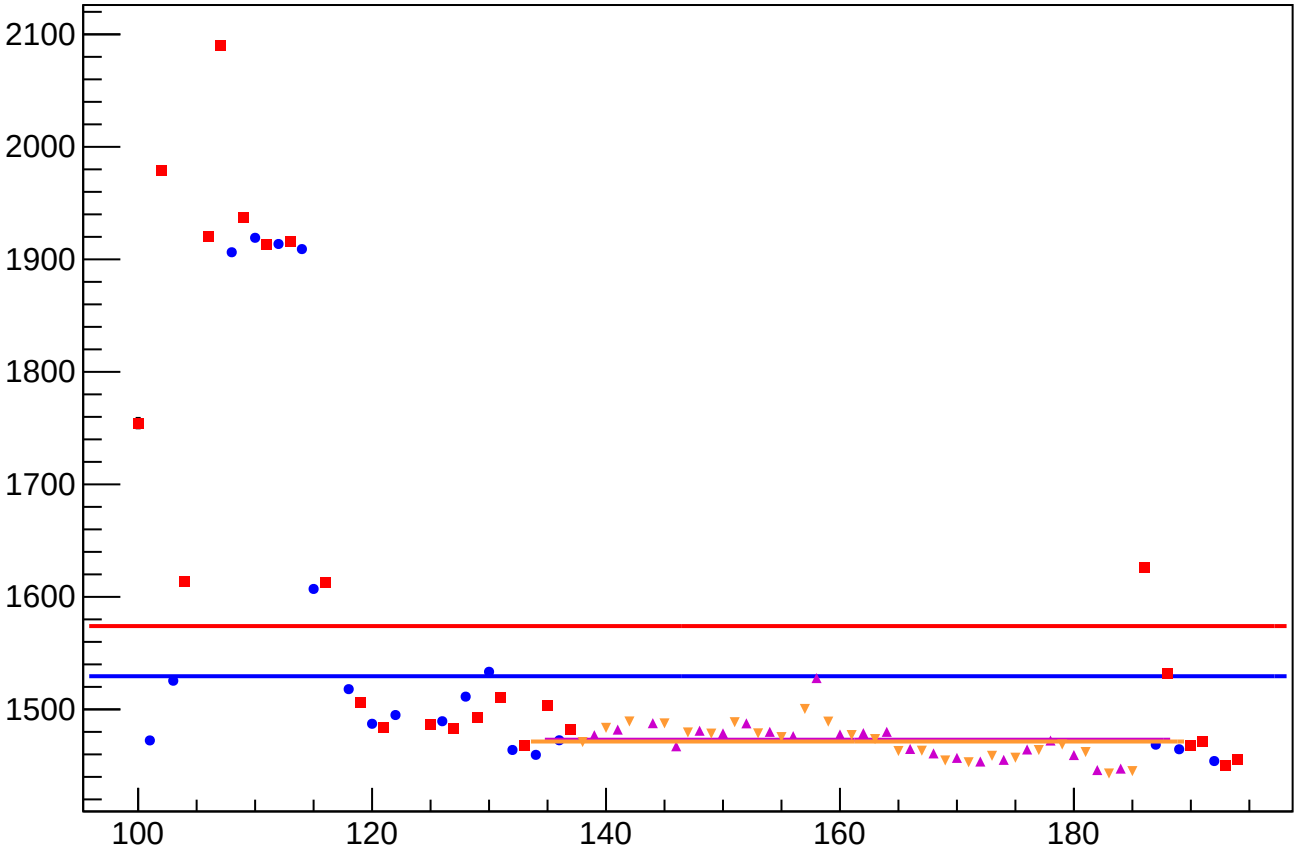
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1461.366+/-284.409 χ^2/NDF: 34.6/42

All: -217.136+/-199.250 χ^2/NDF: 146.6/89

- sign -1835.029+/-279.227 χ^2/NDF: 43.5/46

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: 1574.050+/-0.338 χ^2/NDF: 256607.5/23

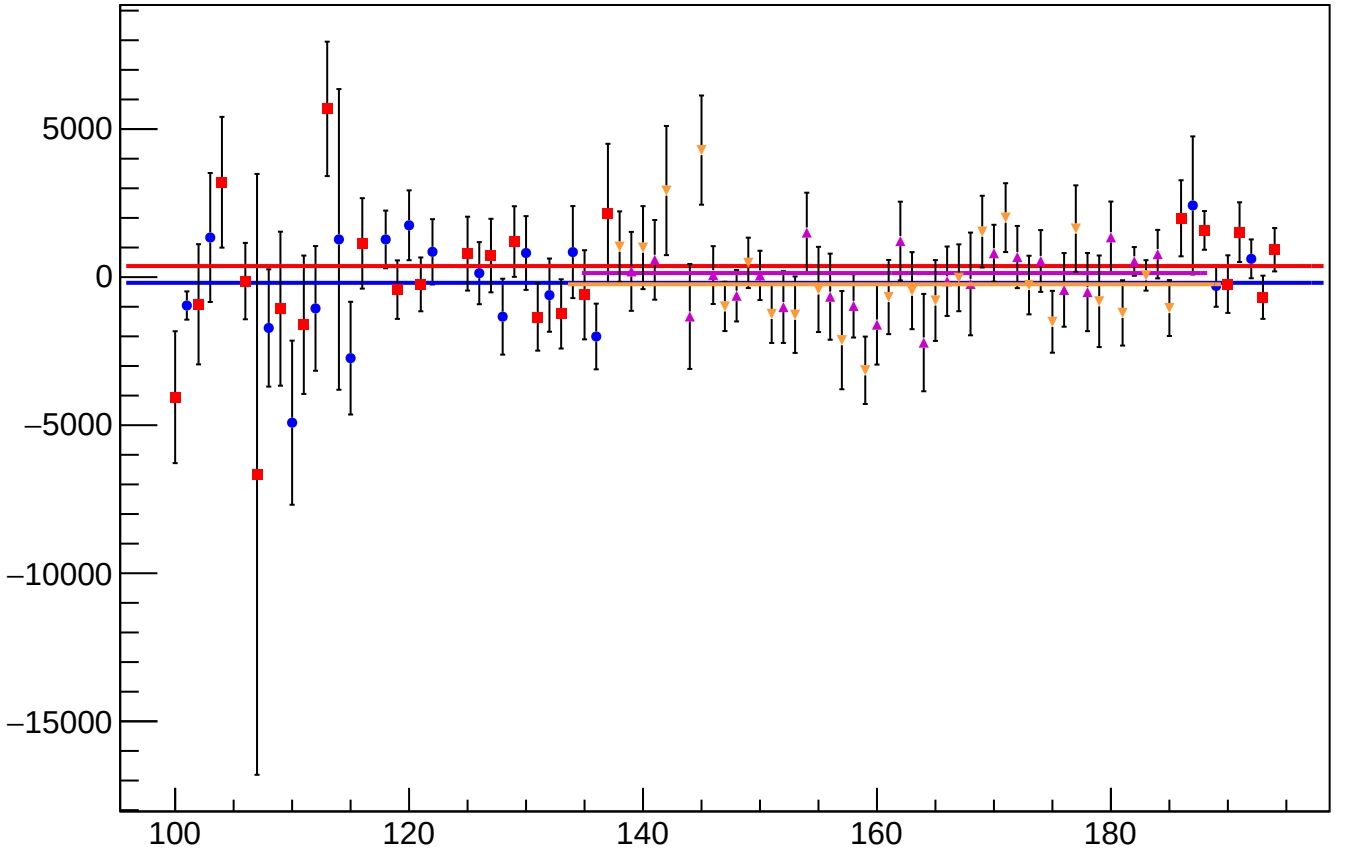
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1489.238+/-0.201 χ^2/NDF: 151105.5/42

All: 1498.529+/-0.141 χ^2/NDF: 475456.4/89

- sign 1507.485+/-0.197 χ^2/NDF: 320159.1/46

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: 374.499+/-240.395 χ^2/NDF: 29.7/23

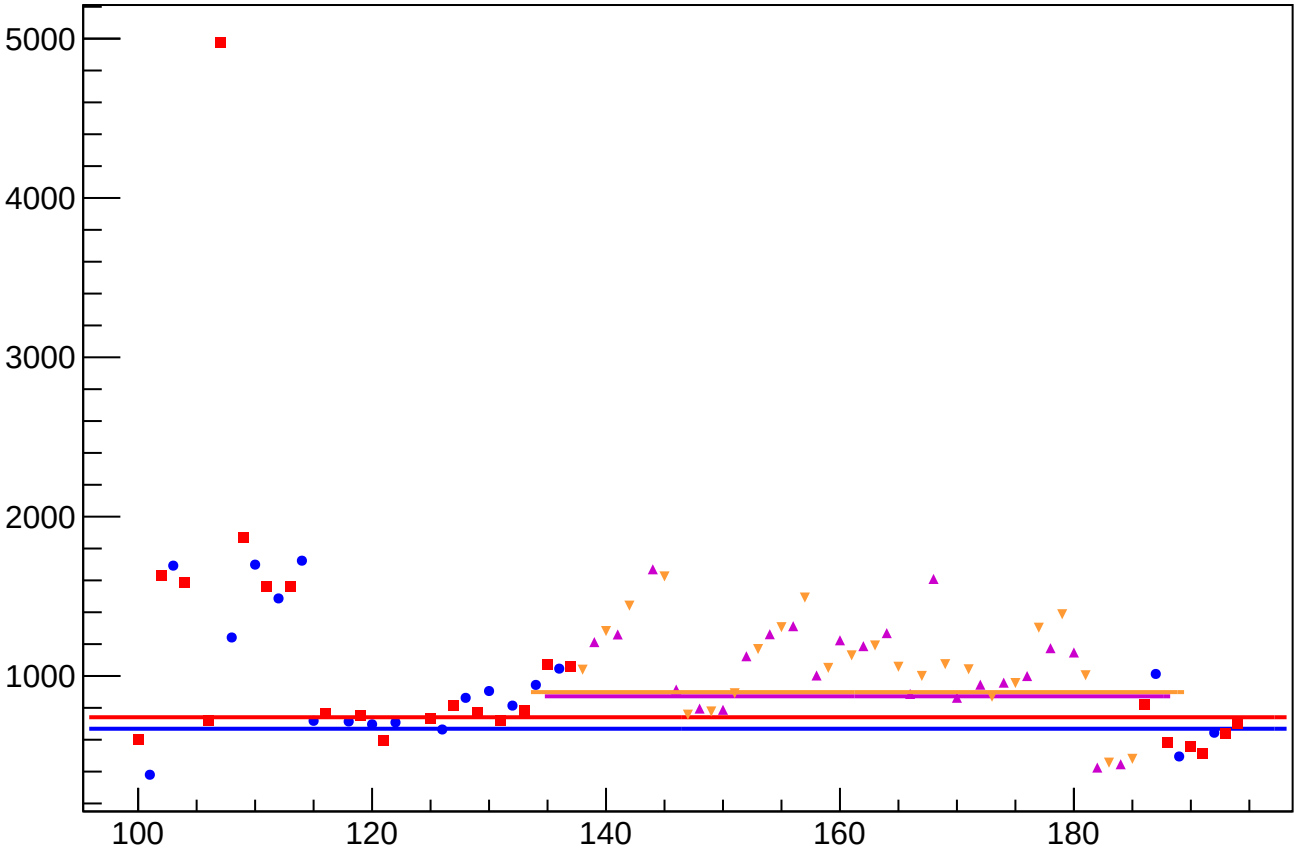
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

\+ sign -218.593+/-164.298 χ^2/NDF: 54.5/42

All: 17.031+/-115.240 χ^2/NDF: 101.8/89

\- sign 245.210+/-161.682 χ^2/NDF: 43.2/46

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: 741.123+/-0.170 χ^2/NDF: 2458512.8/23

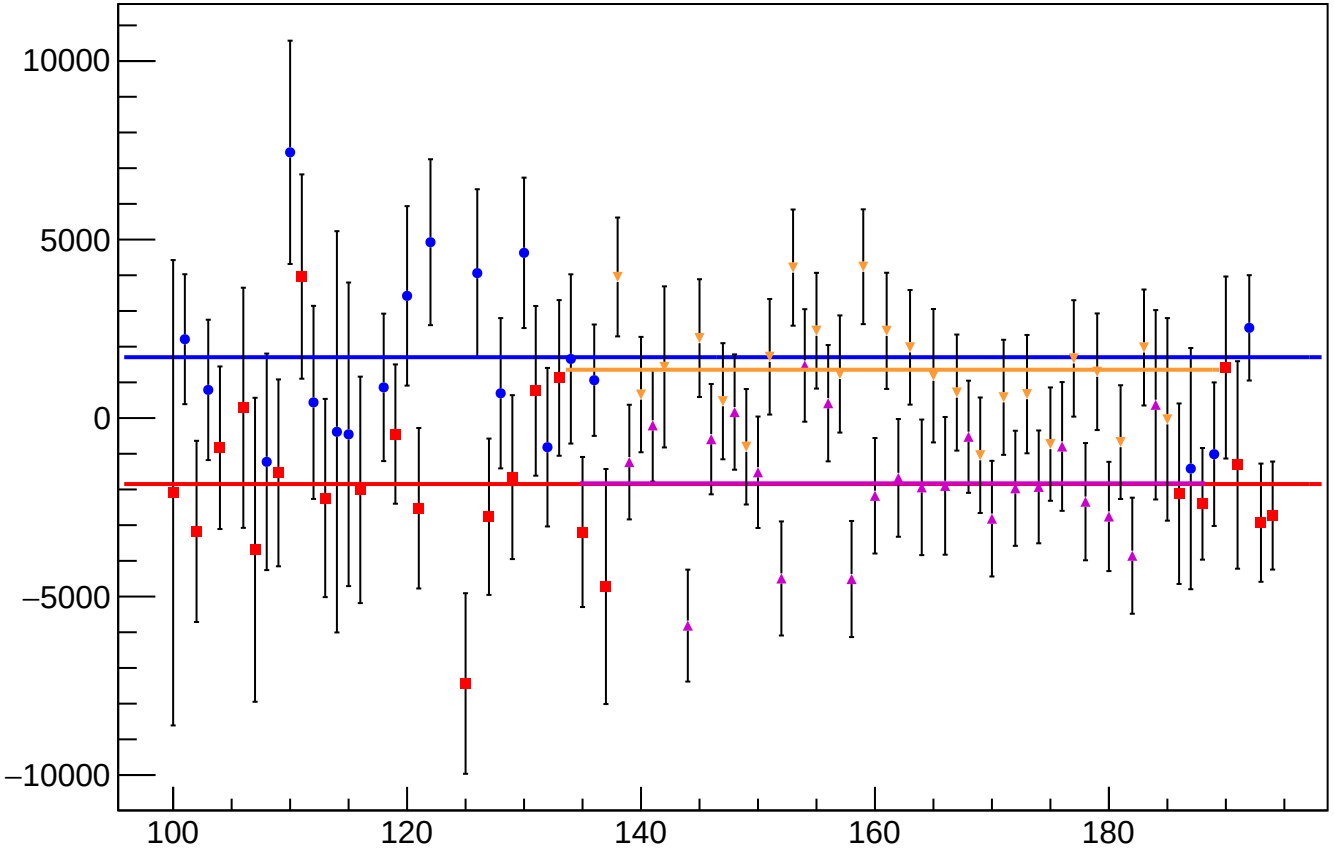
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 795.091+/-0.116 χ^2/NDF: 7386505.2/42

All: 804.218+/-0.081 χ^2/NDF: 14619677.0/89

- sign 813.057+/-0.114 χ^2/NDF: 7221023.1/46

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: -1848.132+/-478.203 χ^2/NDF: 17.7/23

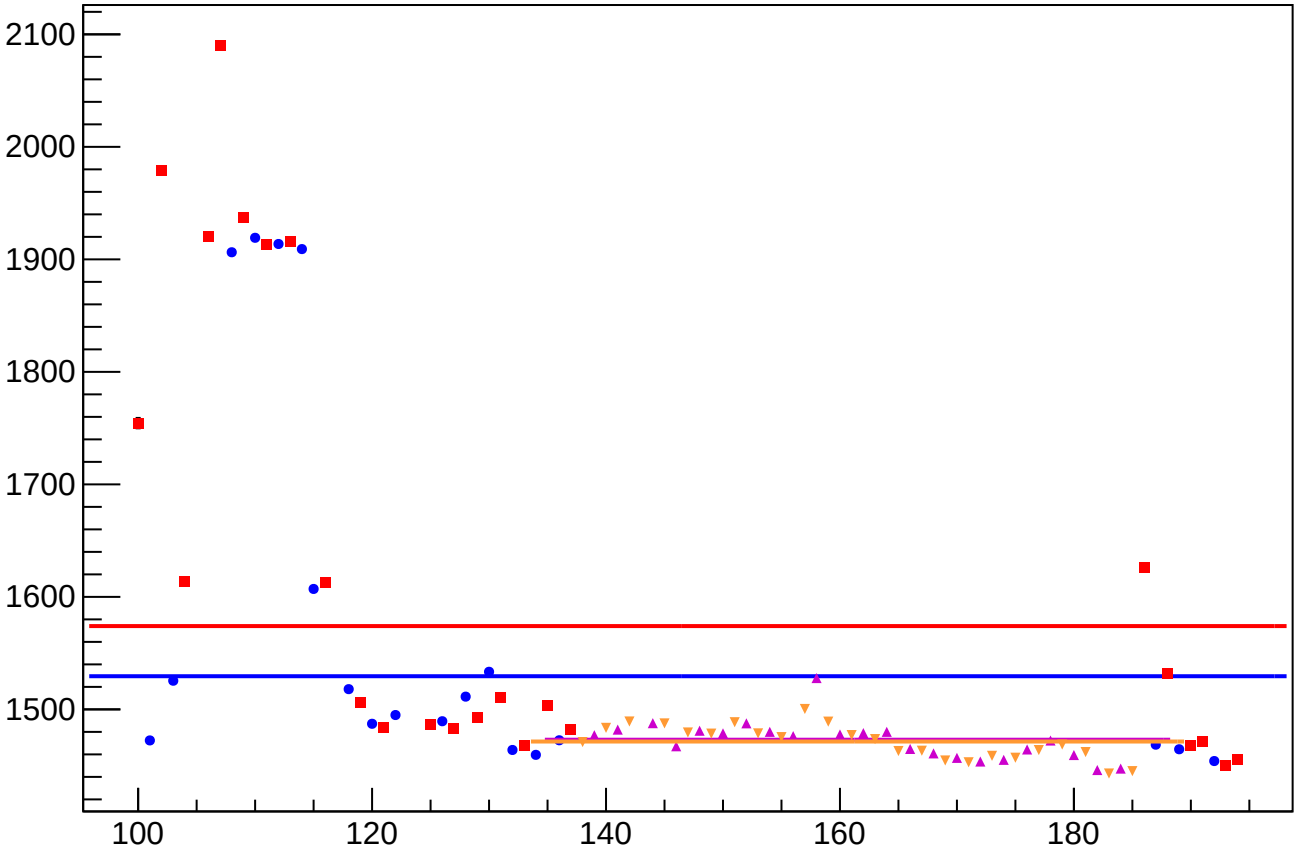
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1461.365+/-284.409 χ^2/NDF: 34.6/42

All: -217.137+/-199.250 χ^2/NDF: 146.6/89

- sign -1835.029+/-279.227 χ^2/NDF: 43.5/46

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

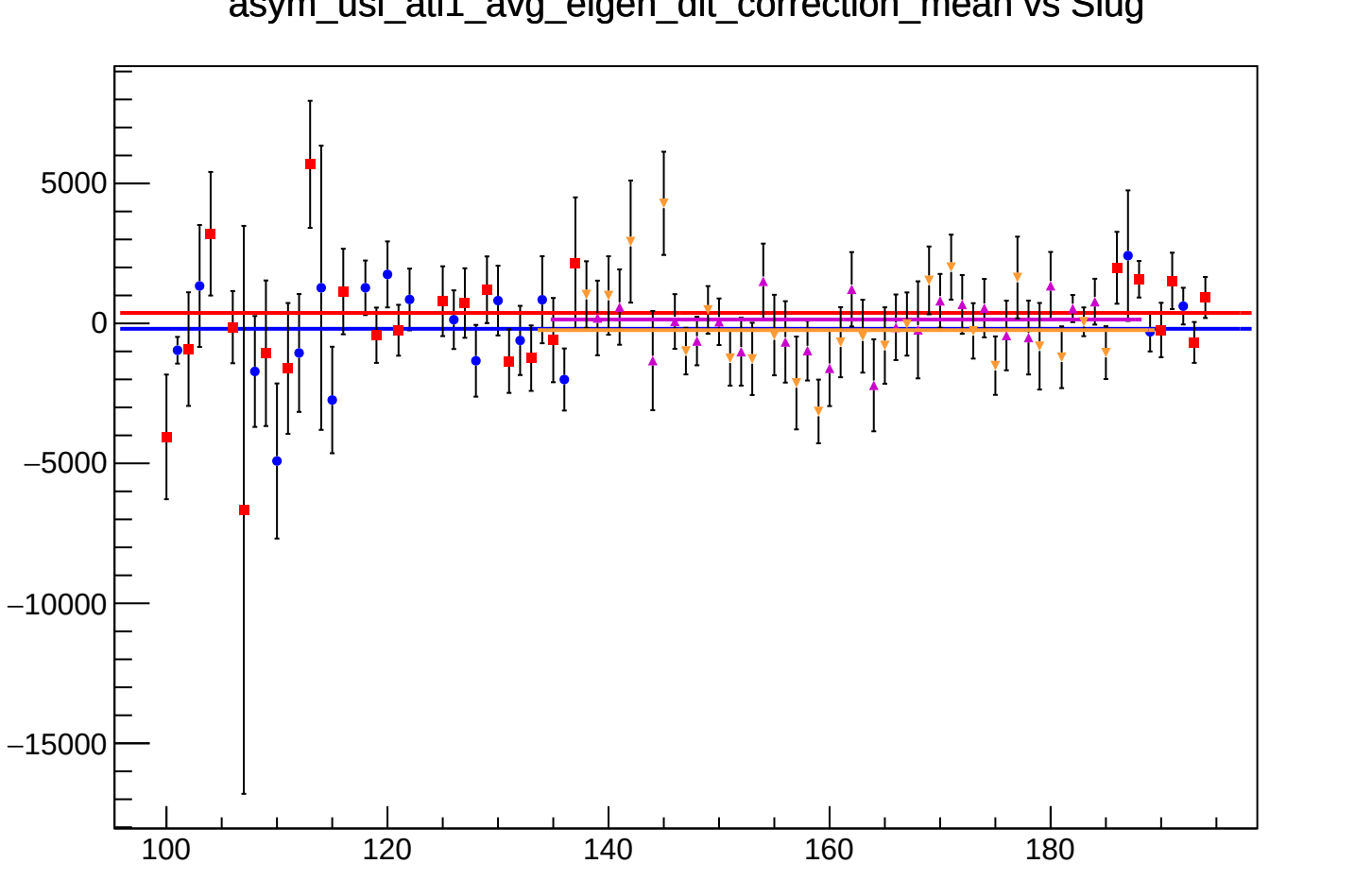
Right Out: 1574.050+/-0.338 χ^2/NDF: 256607.2/23

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1489.238+/-0.201 χ^2/NDF: 151105.3/42

All: 1498.529+/-0.141 χ^2/NDF: 475455.8/89

- sign 1507.485+/-0.197 χ^2/NDF: 320158.6/46



Right In: -192.232+/-244.587 χ^2/NDF: 22.1/18

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: 374.498+/-240.395 χ^2/NDF: 29.7/23

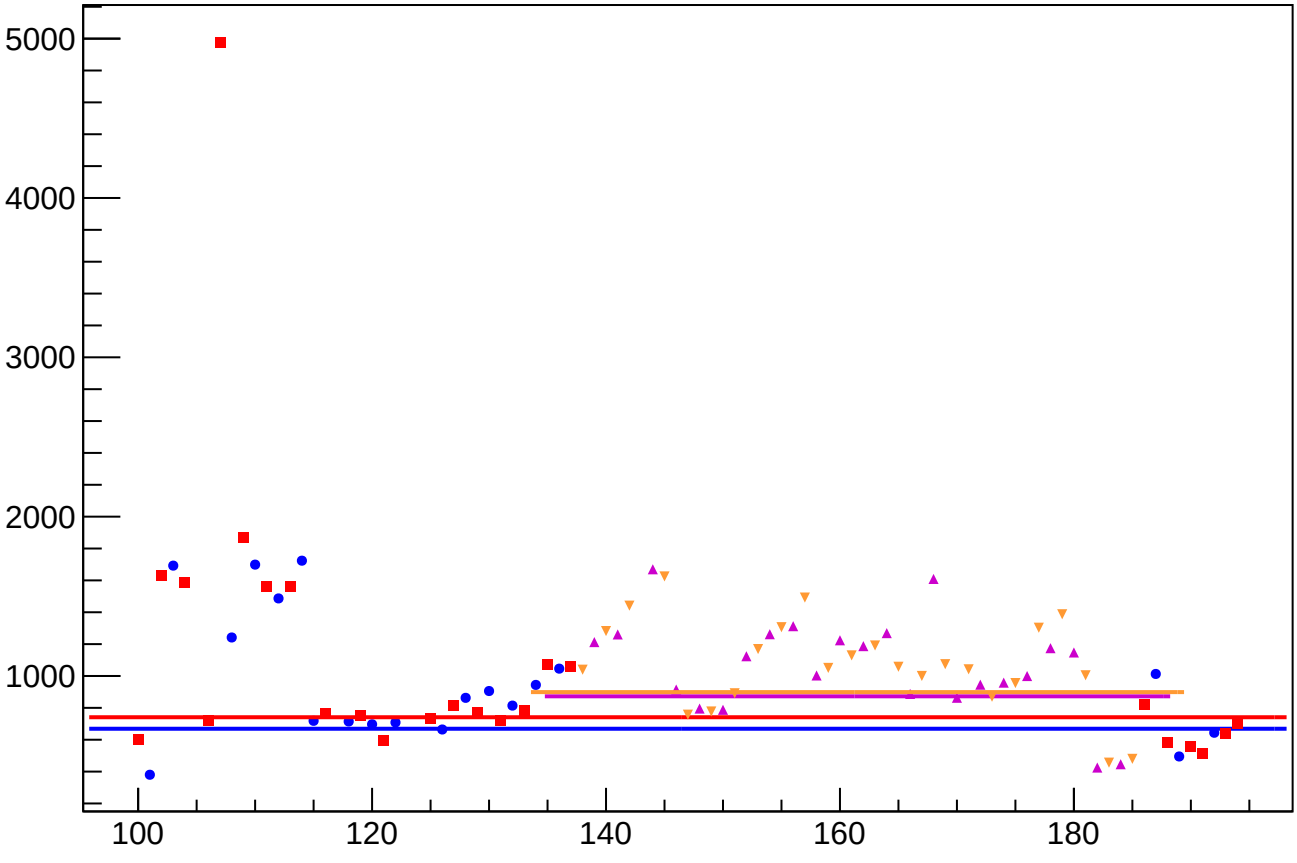
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

\+ sign -218.593+/-164.298 χ^2/NDF: 54.5/42

All: 17.031+/-115.240 χ^2/NDF: 101.8/89

\- sign 245.210+/-161.682 χ^2/NDF: 43.2/46

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: 741.123+/-0.170 χ^2/NDF: 2458516.5/23

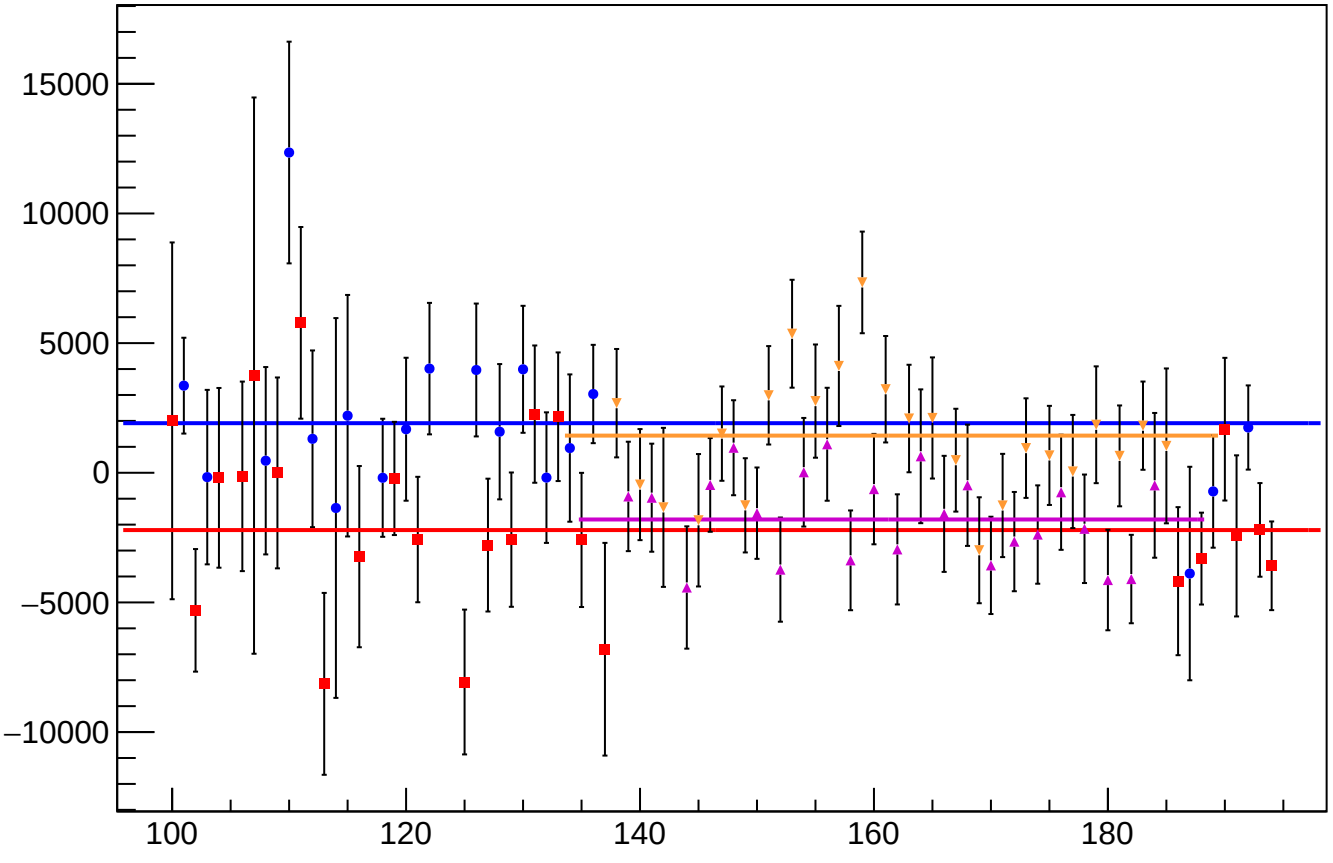
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 795.092+/-0.116 χ^2/NDF: 7386513.4/42

All: 804.219+/-0.081 χ^2/NDF: 14619703.5/89

- sign 813.057+/-0.114 χ^2/NDF: 7221041.8/46

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: -2209.899+/-548.221 χ^2/NDF: 27.1/23

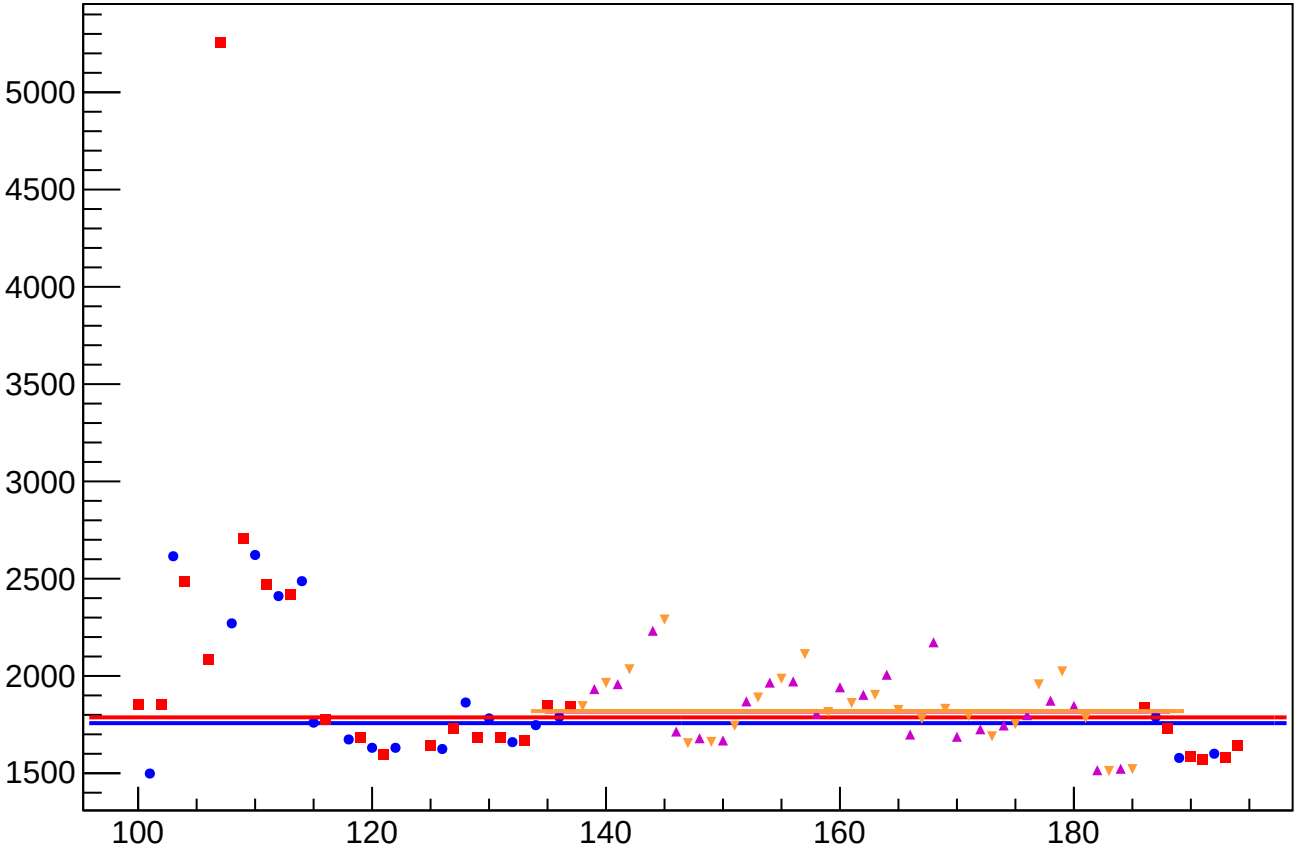
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1594.763+/-345.647 χ^2/NDF: 44.7/42

All: -227.339+/-241.154 χ^2/NDF: 141.6/89

- sign -1955.502+/-336.619 χ^2/NDF: 42.8/46

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: 1787.172+/-0.388 χ^2/NDF: 663207.5/23

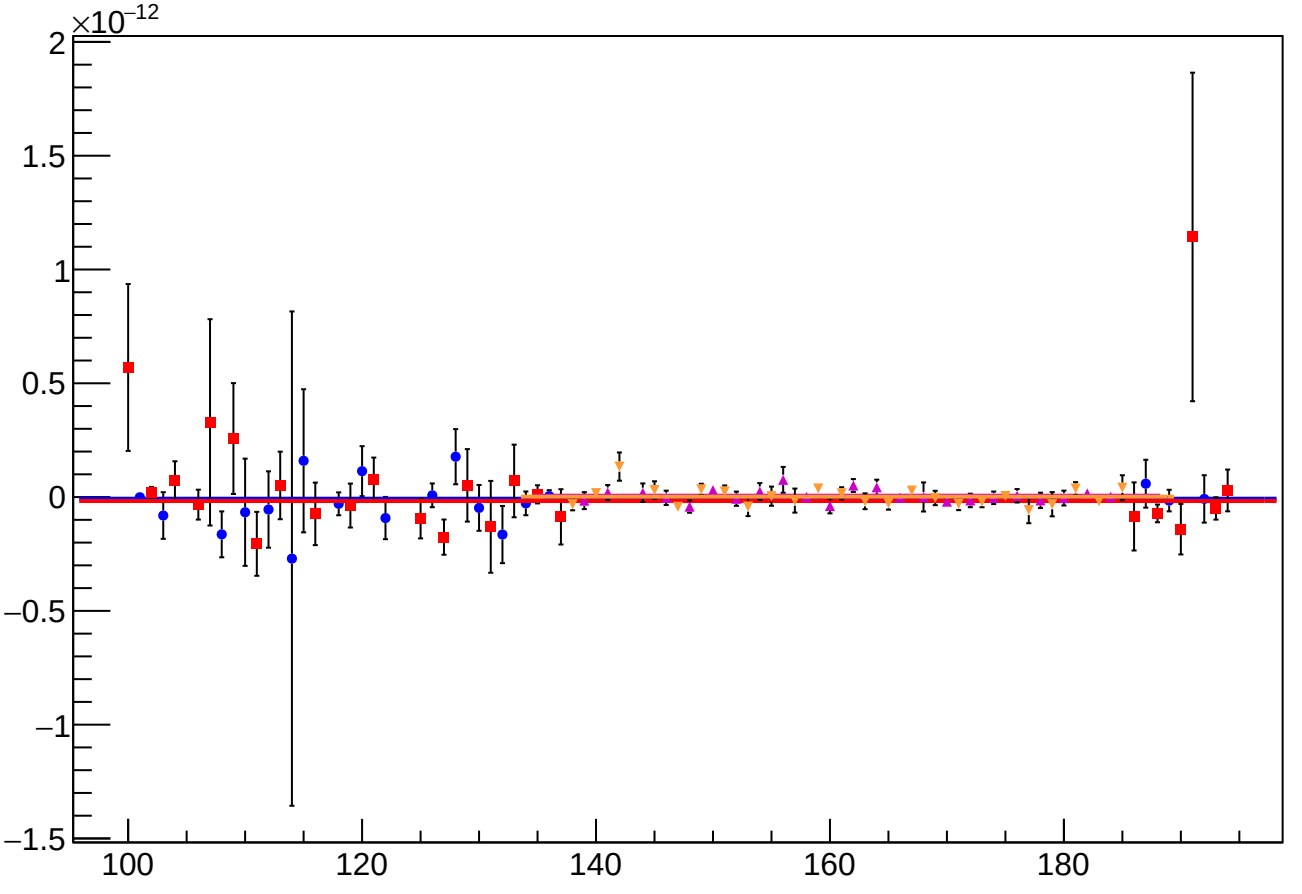
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1798.535+/-0.244 χ^2/NDF: 750920.7/42

All: 1802.286+/-0.171 χ^2/NDF: 1725413.5/89

- sign 1805.843+/-0.238 χ^2/NDF: 974034.0/46

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

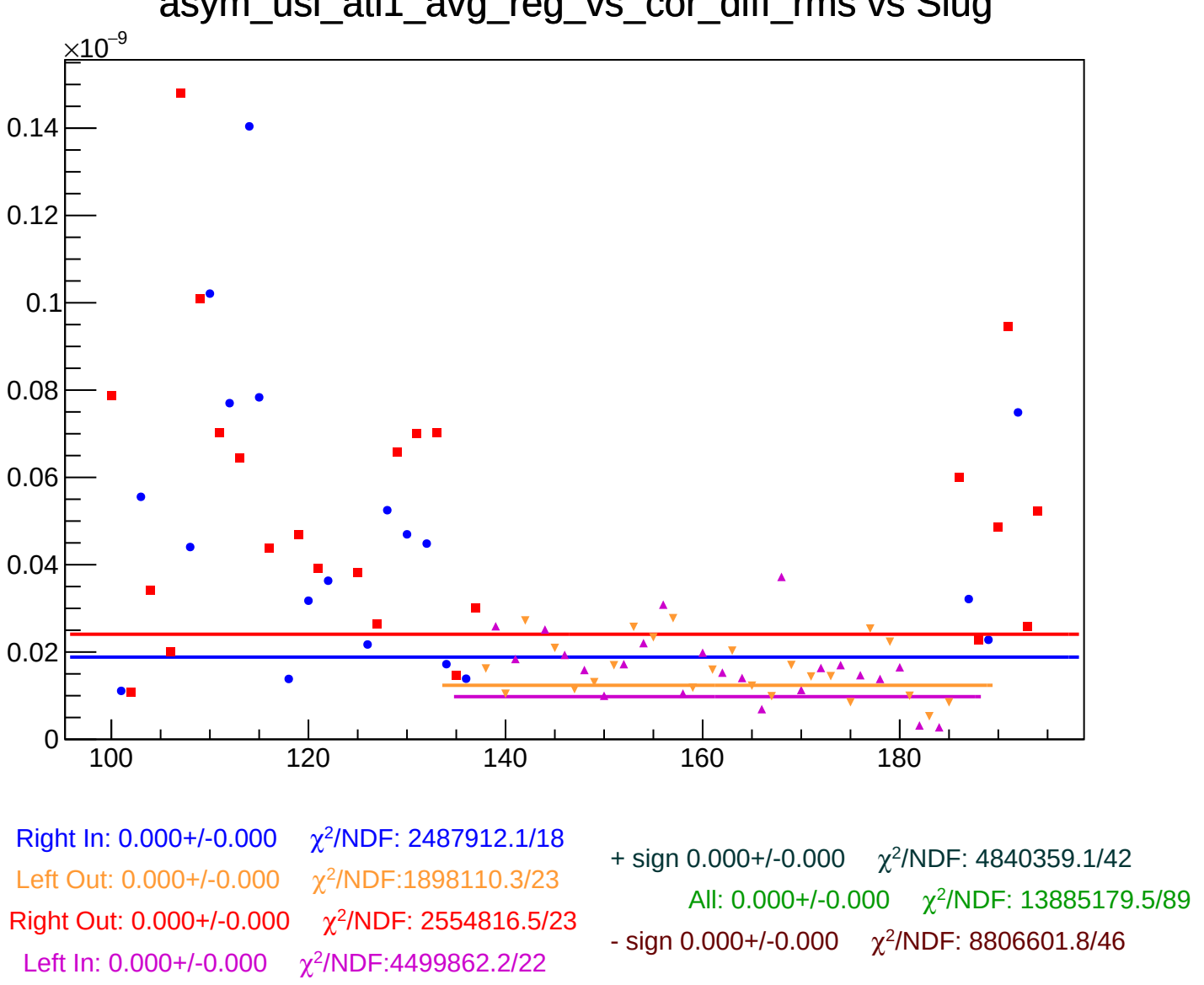
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/23

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

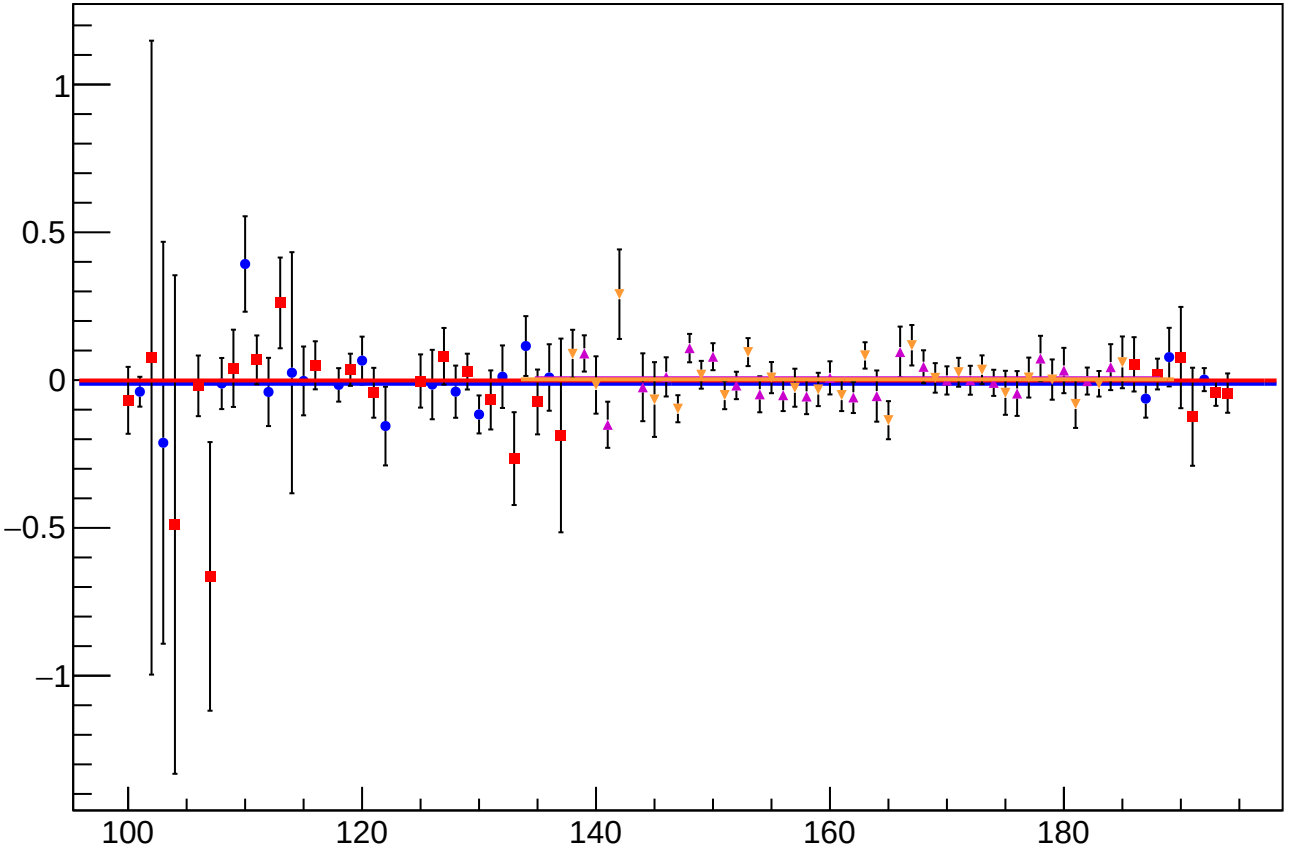
+ sign 0.000+/-0.000 χ^2/NDF: 40.5/42

All: 0.000+/-0.000 χ^2/NDF: 85.2/89

- sign 0.000+/-0.000 χ^2/NDF: 44.5/46


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: 2554816.5/23
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: 13885179.5/89
- sign 0.000+/-0.000 χ²/NDF: 8806601.8/46

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: -0.001+/-0.018 χ^2/NDF: 15.3/23

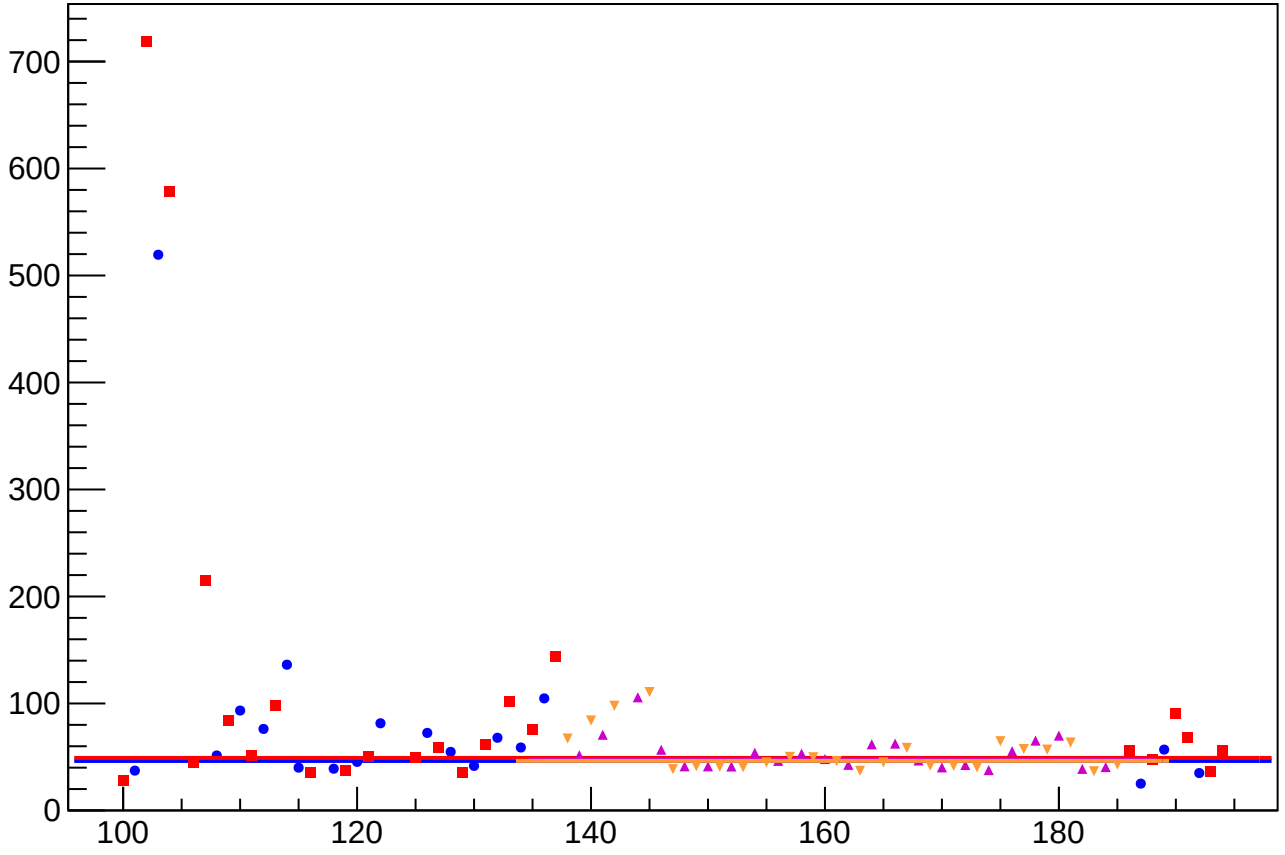
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.010 χ^2/NDF: 45.1/42

All: 0.001+/-0.007 χ^2/NDF: 82.3/89

- sign 0.004+/-0.010 χ^2/NDF: 37.1/46

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: 49.096+/-0.013 χ^2/NDF: 3411687.6/23

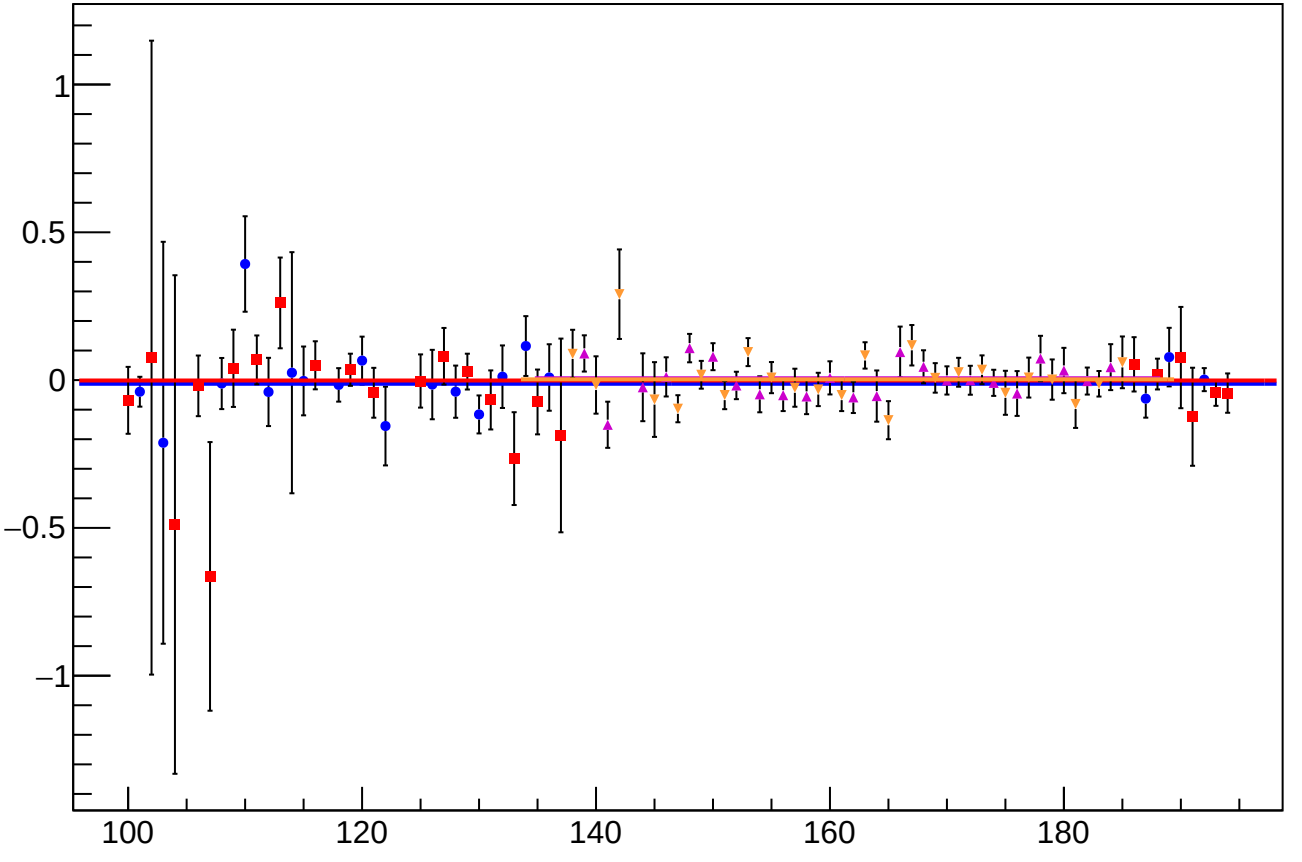
Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 46.336+/-0.007 χ^2/NDF: 4779602.5/42

All: 47.189+/-0.005 χ^2/NDF: 9806670.3/89

- sign 48.052+/-0.007 χ^2/NDF: 4997746.9/46

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.012+/-0.018 χ^2/NDF: 14.8/18

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.018 χ^2/NDF: 15.3/23

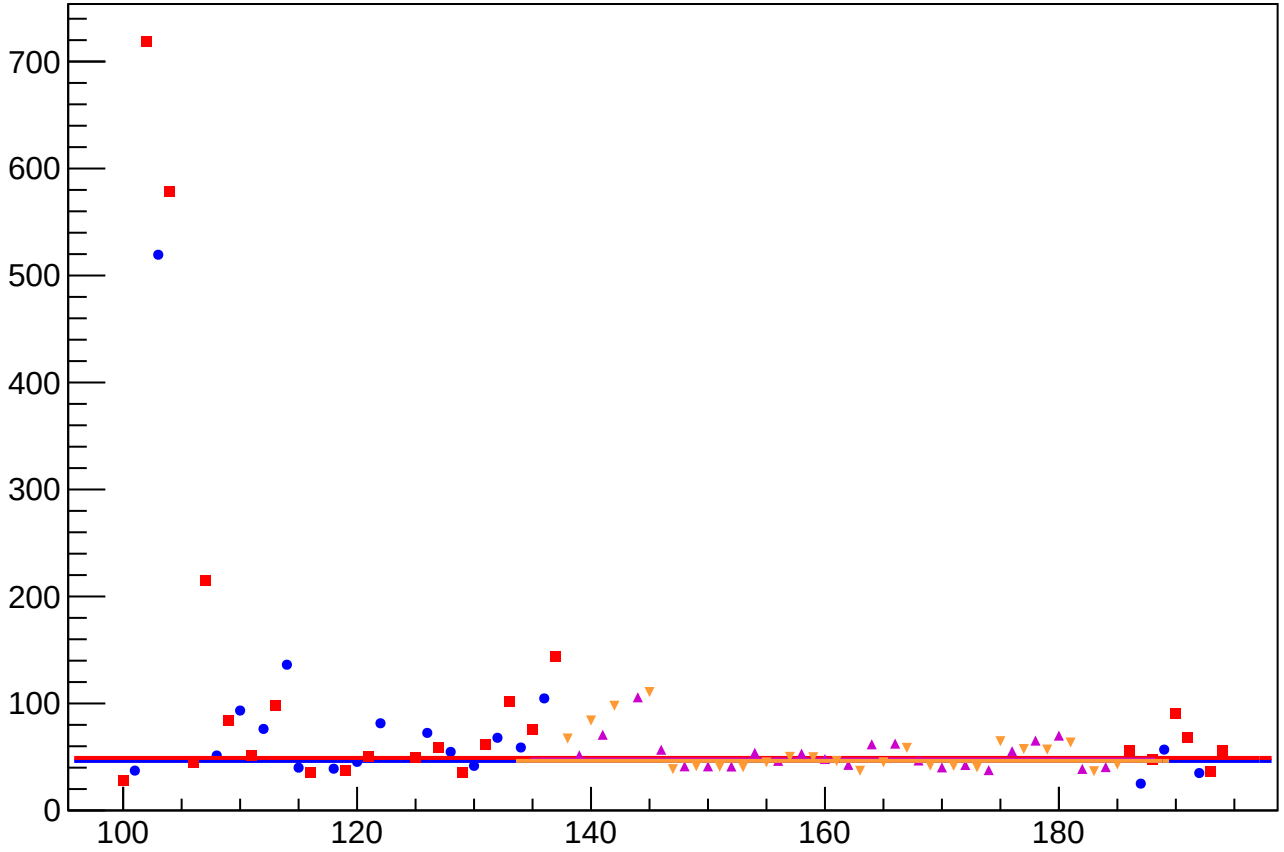
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.010 χ^2/NDF: 45.1/42

All: 0.001+/-0.007 χ^2/NDF: 82.3/89

- sign 0.004+/-0.010 χ^2/NDF: 37.1/46

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

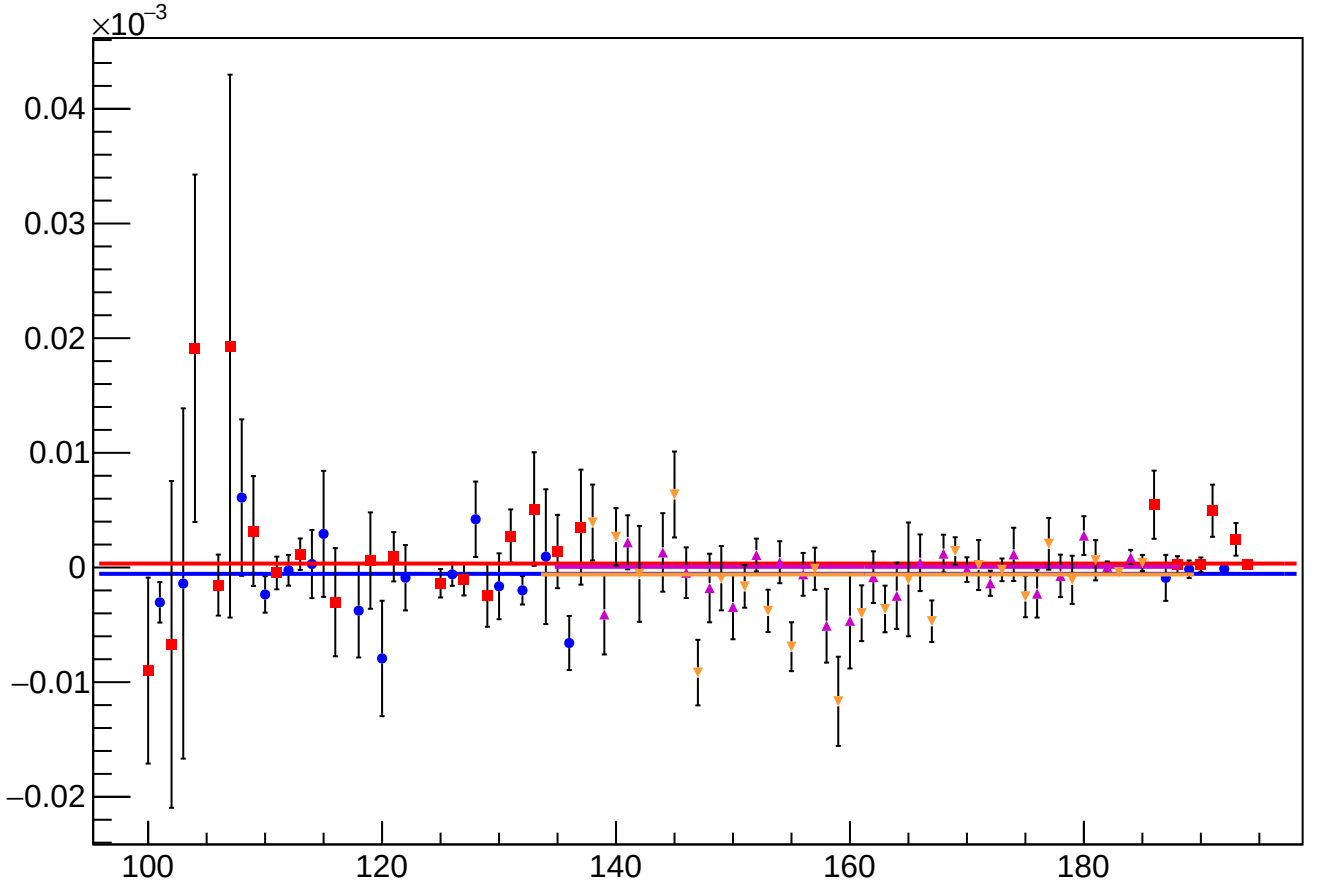
Right Out: 49.096+/-0.013 χ^2/NDF: 3411687.6/23

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 46.336+/-0.007 χ^2/NDF: 4779602.5/42

All: 47.189+/-0.005 χ^2/NDF: 9806670.3/89

- sign 48.052+/-0.007 χ^2/NDF: 4997746.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

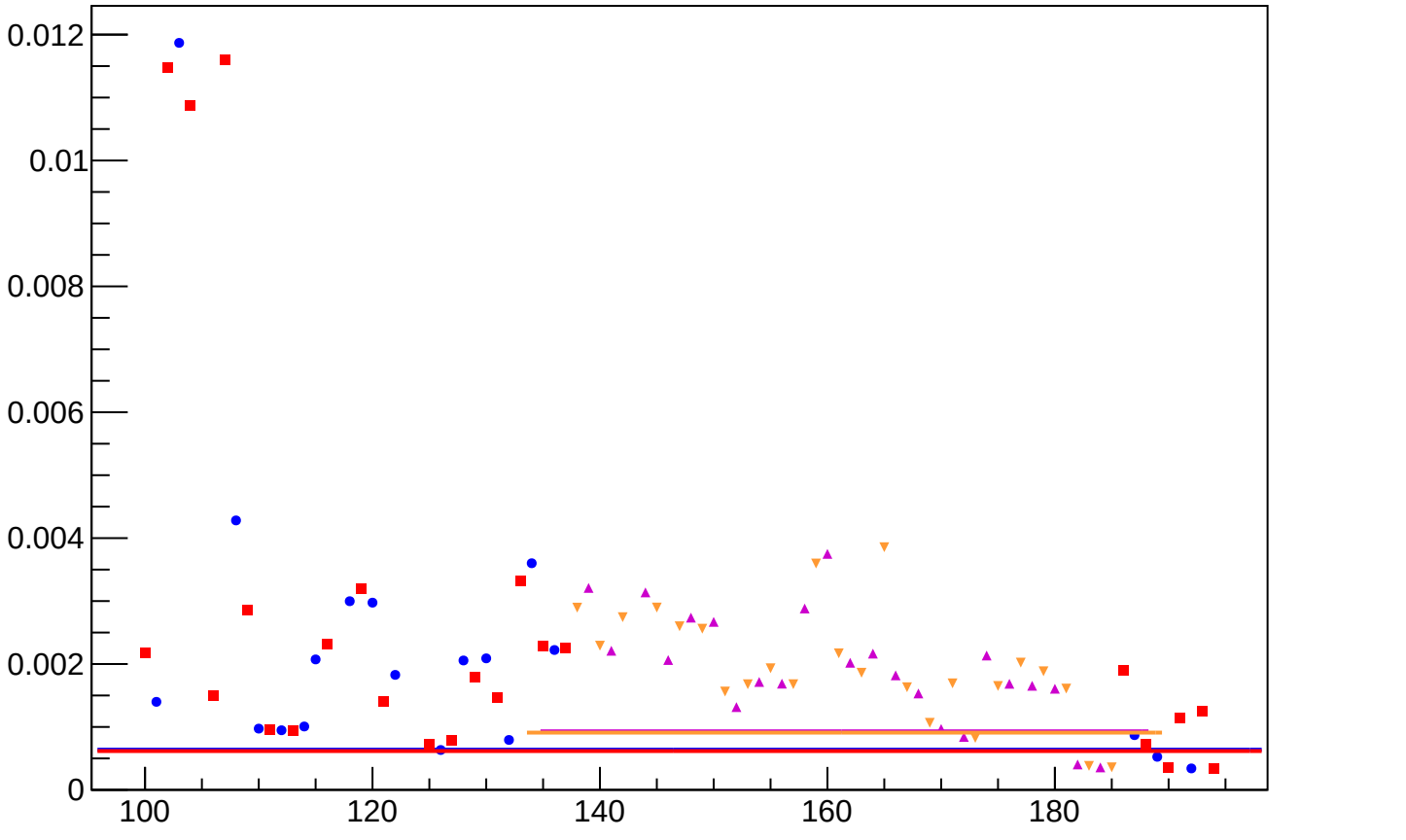
Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/23

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

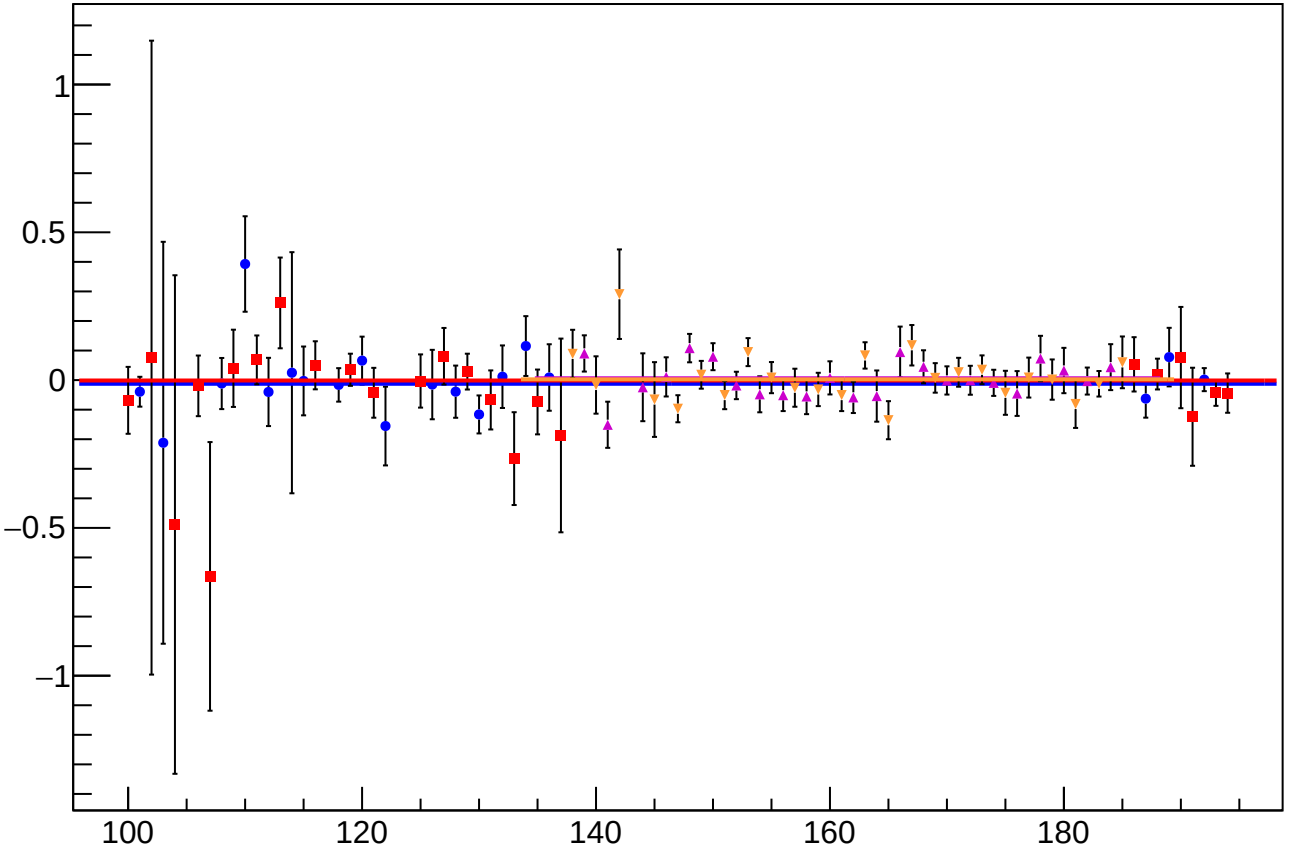
+ sign -0.000+/-0.000 χ^2/NDF: 73.2/42

All: -0.000+/-0.000 χ^2/NDF: 121.6/89

- sign 0.000+/-0.000 χ^2/NDF: 40.1/46


asym_usl_atl1_avg_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: 0.001+/-0.000 χ²/NDF: 7282388.5/18
Left Out: 0.001+/-0.000 χ²/NDF:14137356.3/23
Right Out: 0.001+/-0.000 χ²/NDF: 9159778.3/23
Left In: 0.001+/-0.000 χ²/NDF:13690985.6/22
+ sign 0.001+/-0.000 χ²/NDF: 22320211.5/42
All: 0.001+/-0.000 χ²/NDF: 46544782.5/89
- sign 0.001+/-0.000 χ²/NDF: 24210224.1/46

asym_usl_atl1_avg_eigen_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

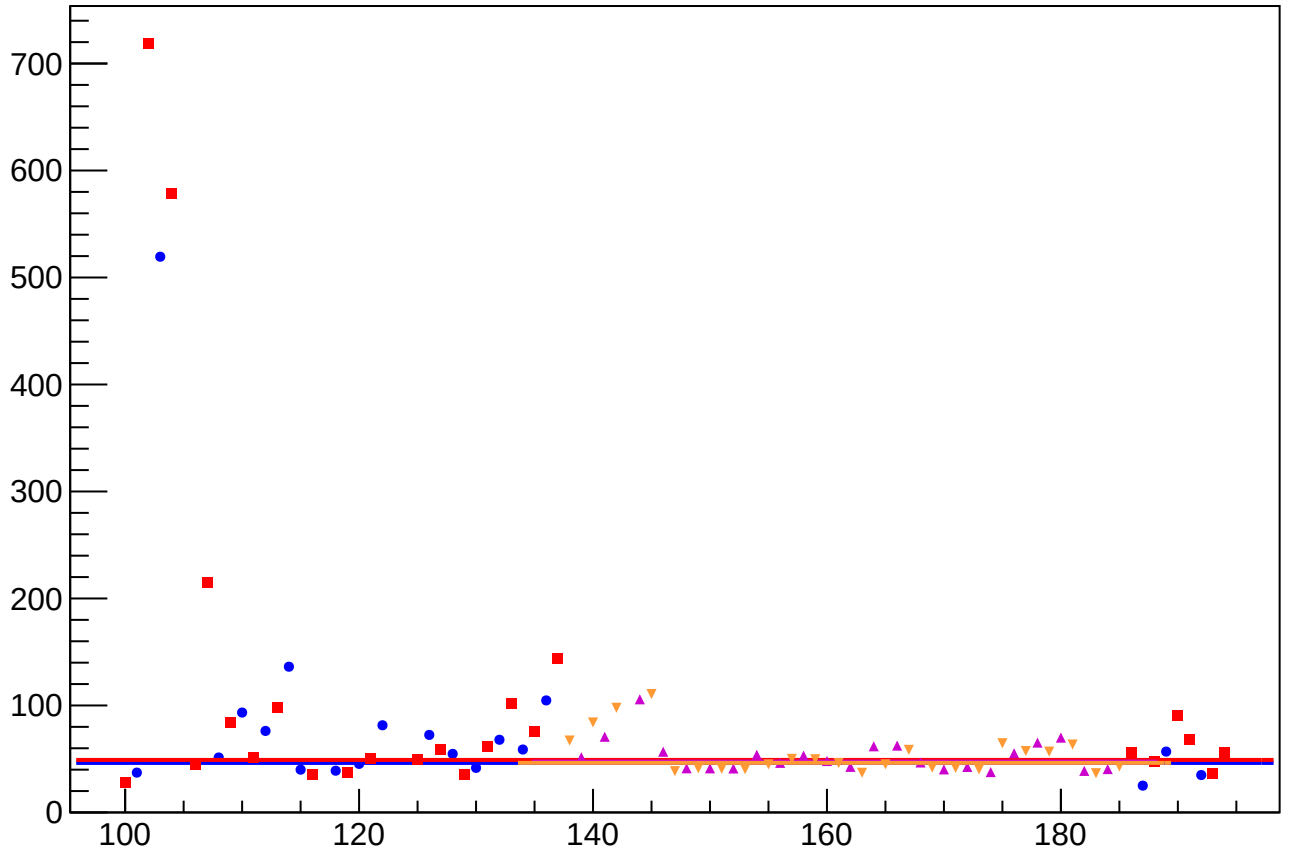
Right Out: -0.001+/-0.018 χ^2/NDF: 15.3/23

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.010 χ^2/NDF: 45.1/42

All: 0.001+/-0.007 χ^2/NDF: 82.3/89

- sign 0.004+/-0.010 χ^2/NDF: 37.0/46



Right In: 46.295+/-0.013 χ^2/NDF: 2811826.0/18

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

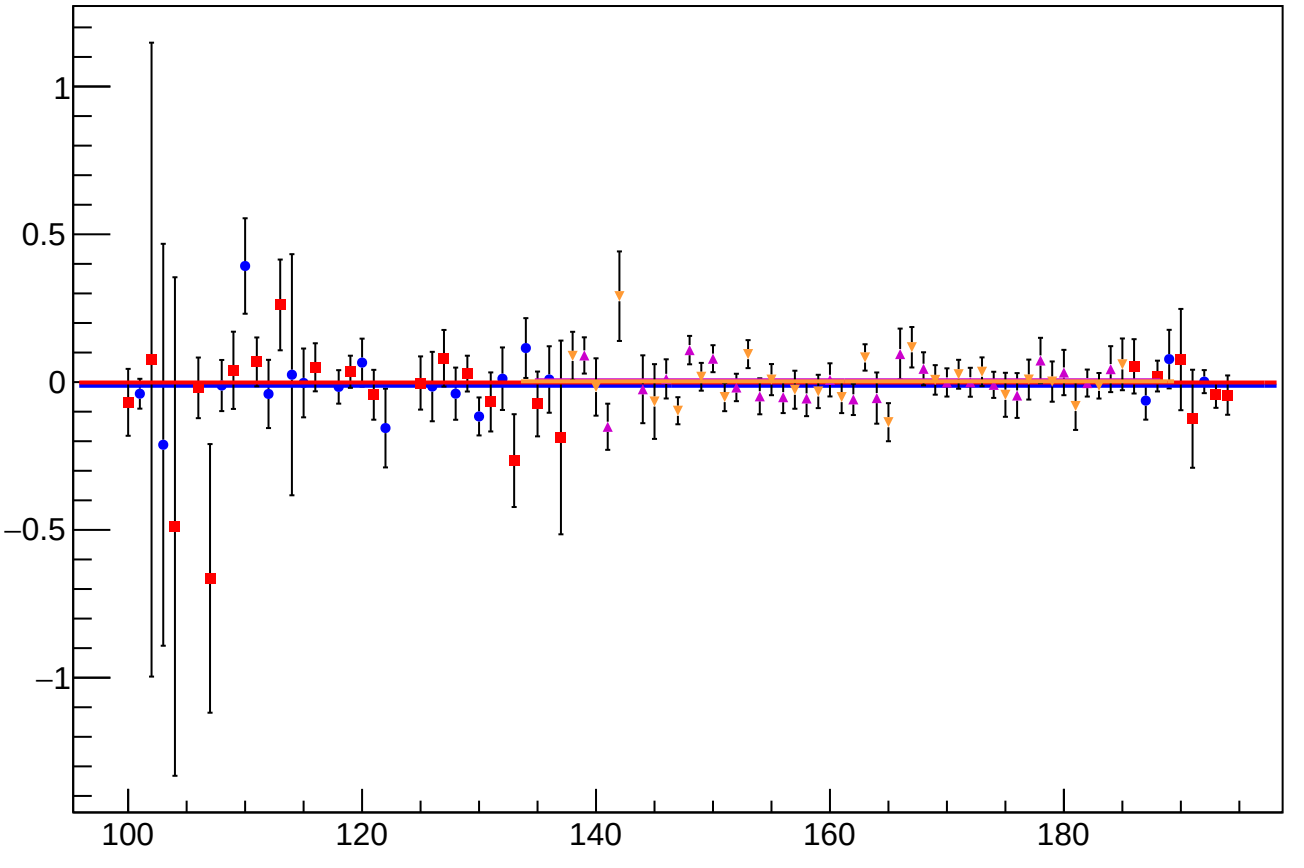
Right Out: 49.096+/-0.013 χ^2/NDF: 3411680.1/23

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.336+/-0.007 χ^2/NDF: 4779581.6/42

All: 47.189+/-0.005 χ^2/NDF: 9806641.9/89

- sign 48.052+/-0.007 χ^2/NDF: 4997743.4/46



Right In: -0.012+/-0.018 χ^2/NDF: 14.8/18

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

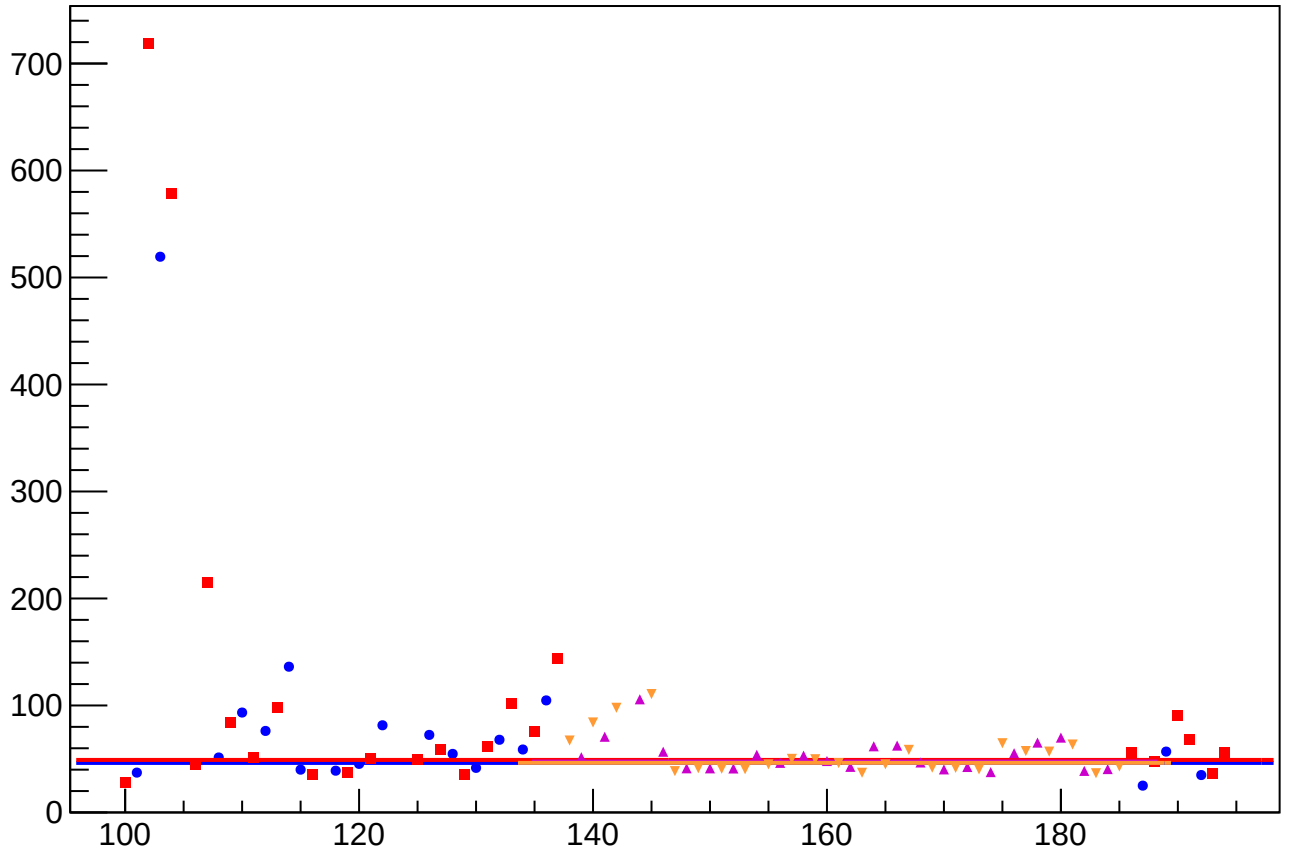
Right Out: -0.001+/-0.018 χ^2/NDF: 15.3/23

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.002+/-0.010 χ^2/NDF: 45.1/42

All: 0.001+/-0.007 χ^2/NDF: 82.3/89

- sign 0.004+/-0.010 χ^2/NDF: 37.0/46



Right In: 46.295+/-0.013 χ^2/NDF: 2811826.0/18

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

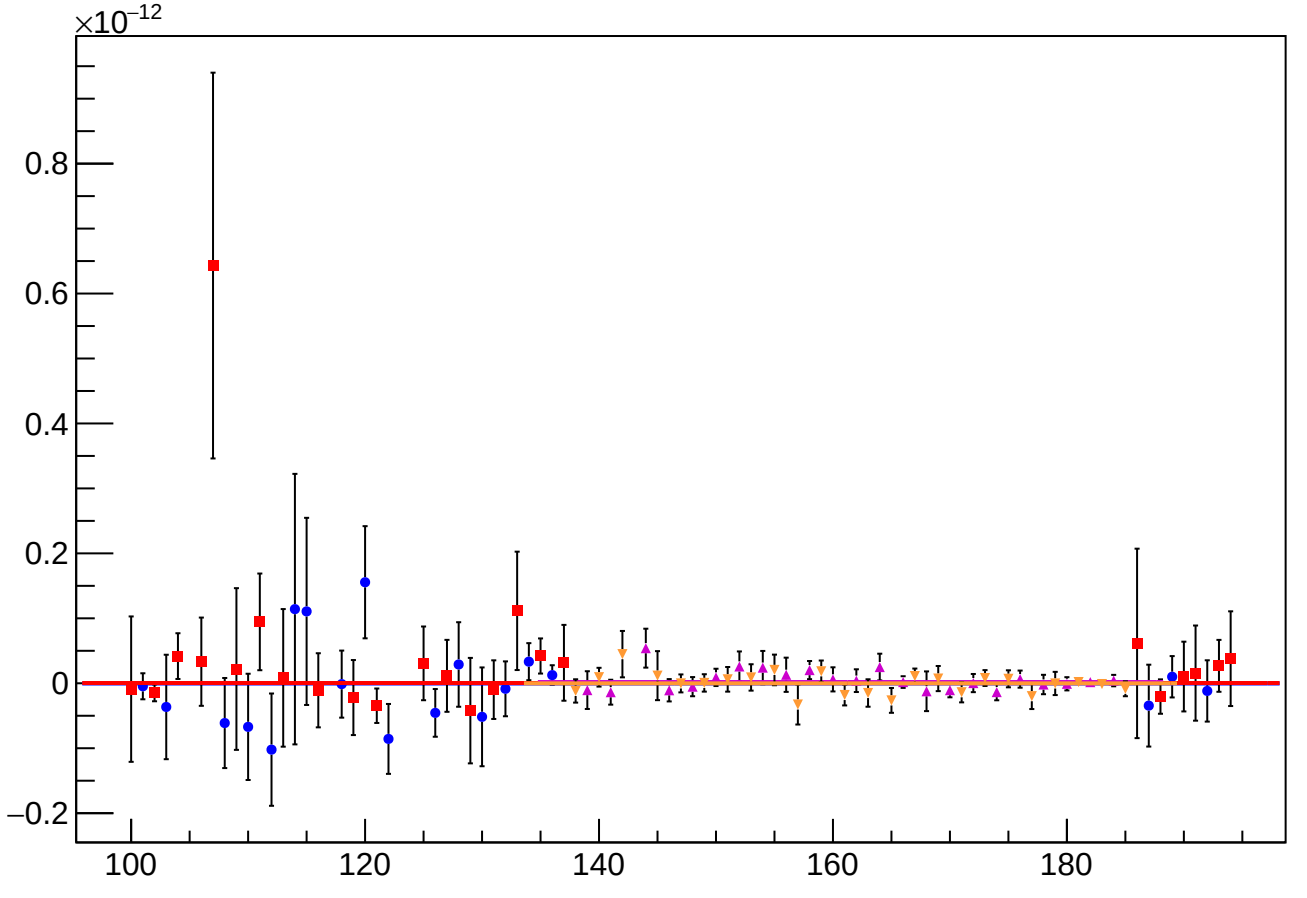
Right Out: 49.096+/-0.013 χ^2/NDF: 3411680.1/23

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.336+/-0.007 χ^2/NDF: 4779581.6/42

All: 47.189+/-0.005 χ^2/NDF: 9806641.9/89

- sign 48.052+/-0.007 χ^2/NDF: 4997743.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

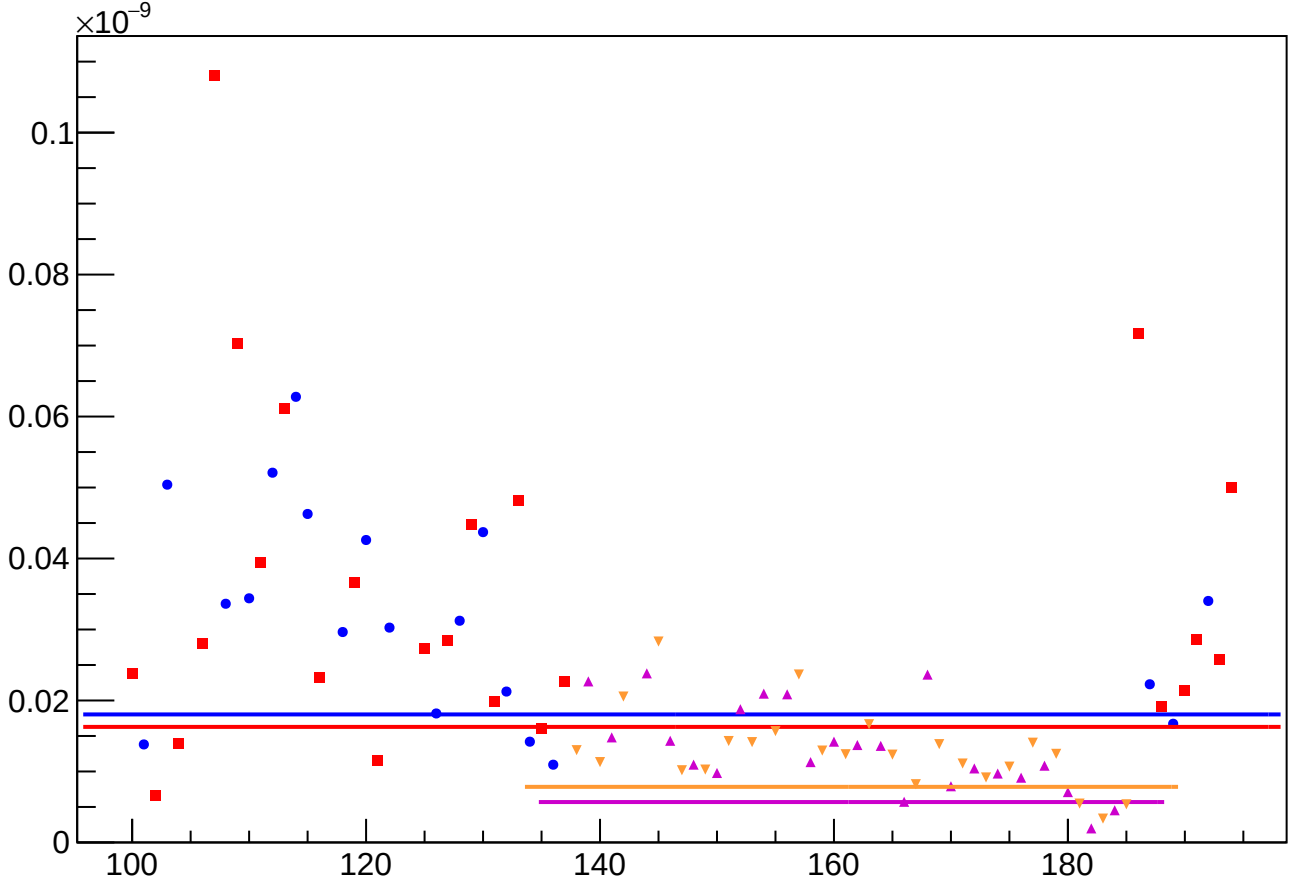
Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/23

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 28.4/42

All: 0.000+/-0.000 χ^2/NDF: 59.7/89

- sign 0.000+/-0.000 χ^2/NDF: 31.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 2474933.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4269604.9/23

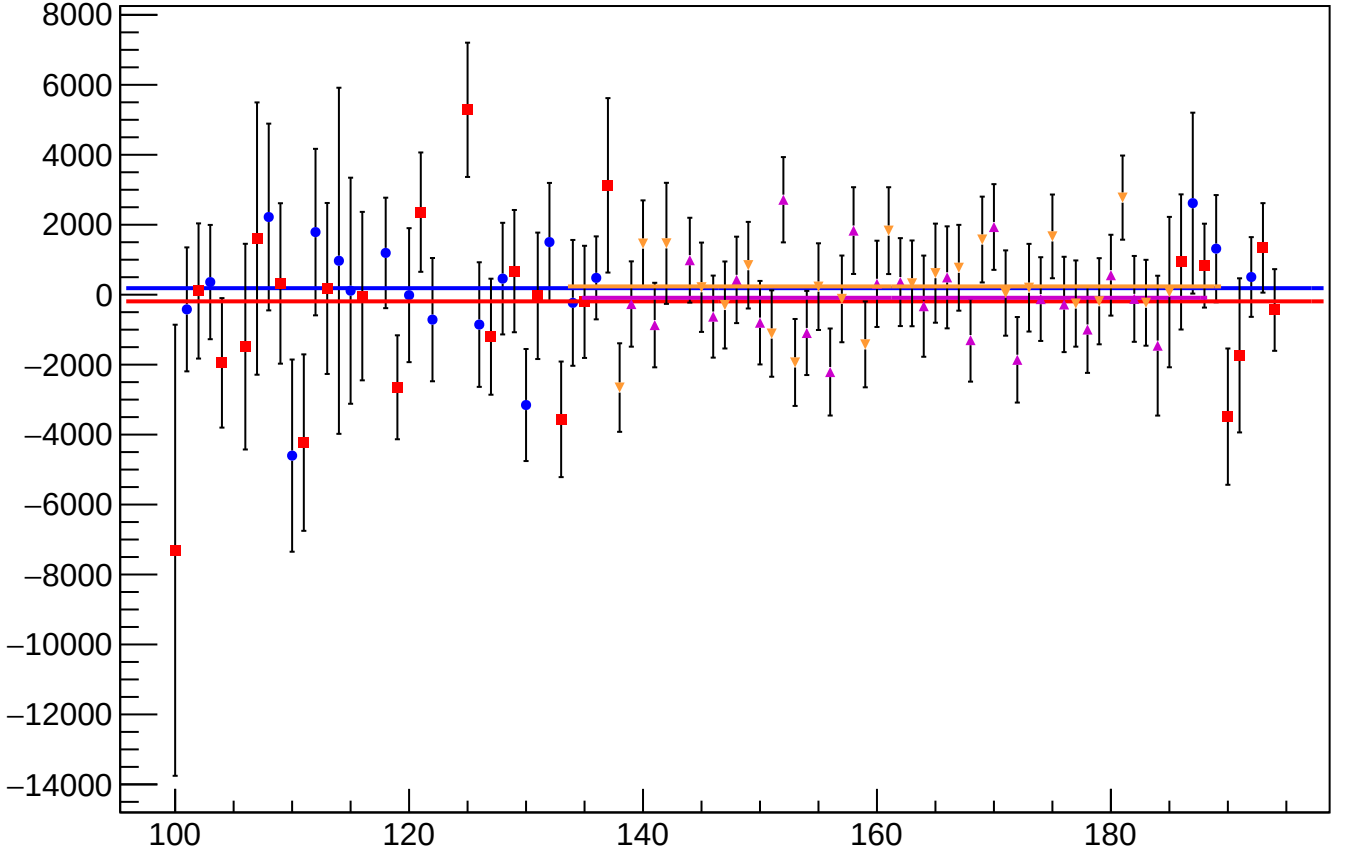
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11396647.0/42

All: 0.000+/-0.000 χ^2/NDF: 31066906.9/89

- sign 0.000+/-0.000 χ^2/NDF: 18677082.3/46

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: -190.714+/-372.412 χ^2/NDF: 30.7/23

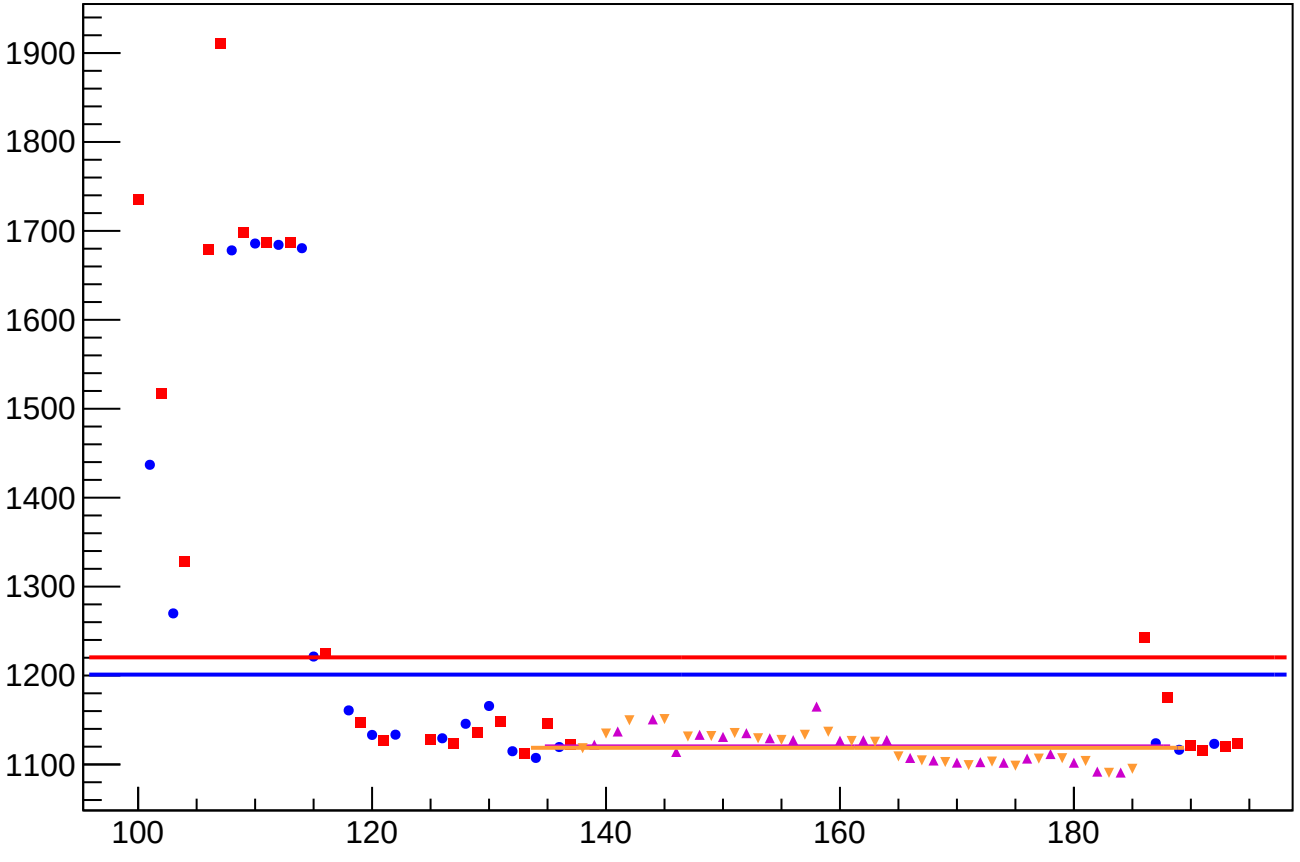
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 221.970+/-218.646 χ^2/NDF: 34.6/42

All: 46.247+/-152.961 χ^2/NDF: 87.5/89

- sign -122.192+/-214.066 χ^2/NDF: 51.7/46

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: 1220.427+/-0.263 χ^2/NDF: 490778.1/23

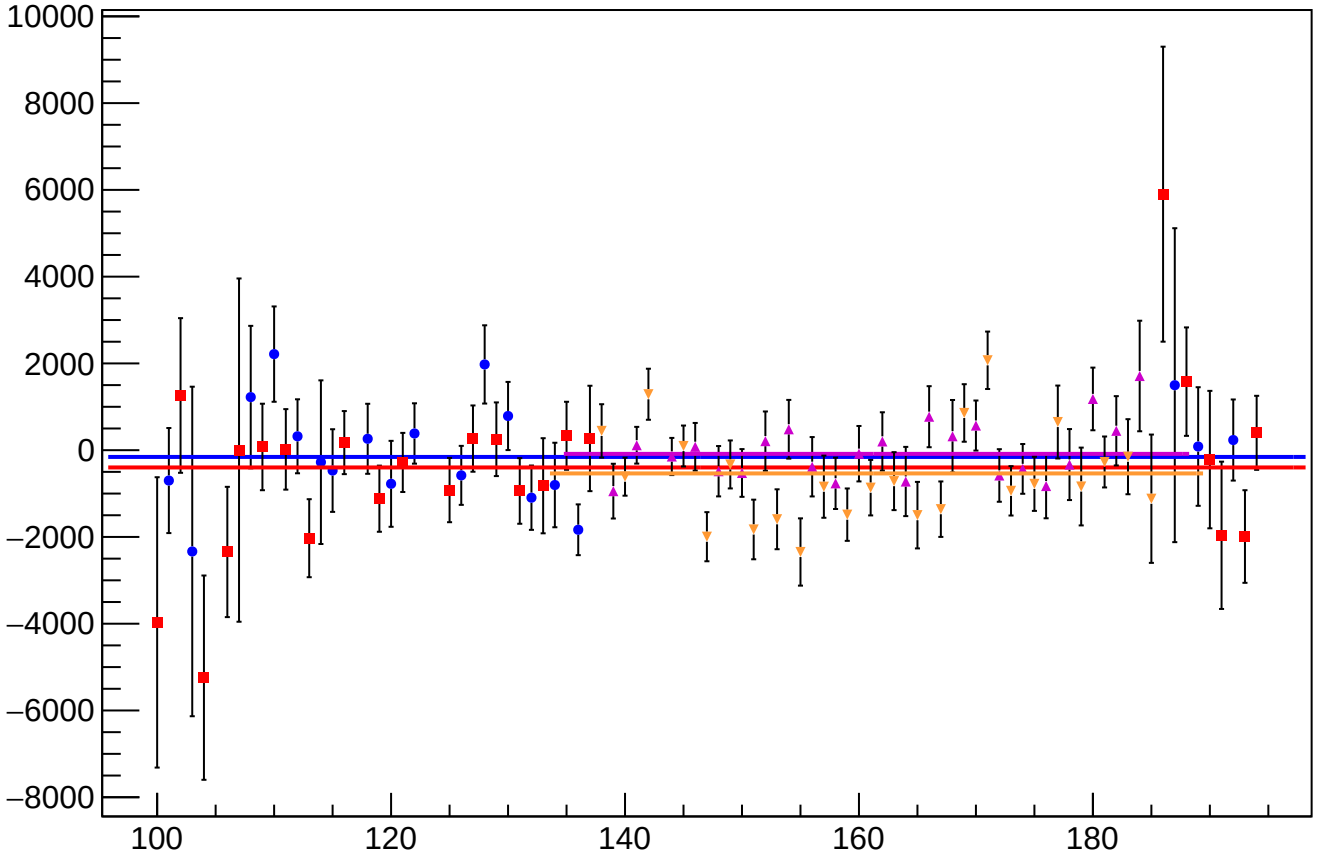
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1142.684+/-0.155 χ^2/NDF: 383718.6/42

All: 1148.149+/-0.108 χ^2/NDF: 983213.6/89

- sign 1153.388+/-0.151 χ^2/NDF: 597047.4/46

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: -398.069+/-204.999 χ^2/NDF: 26.8/23

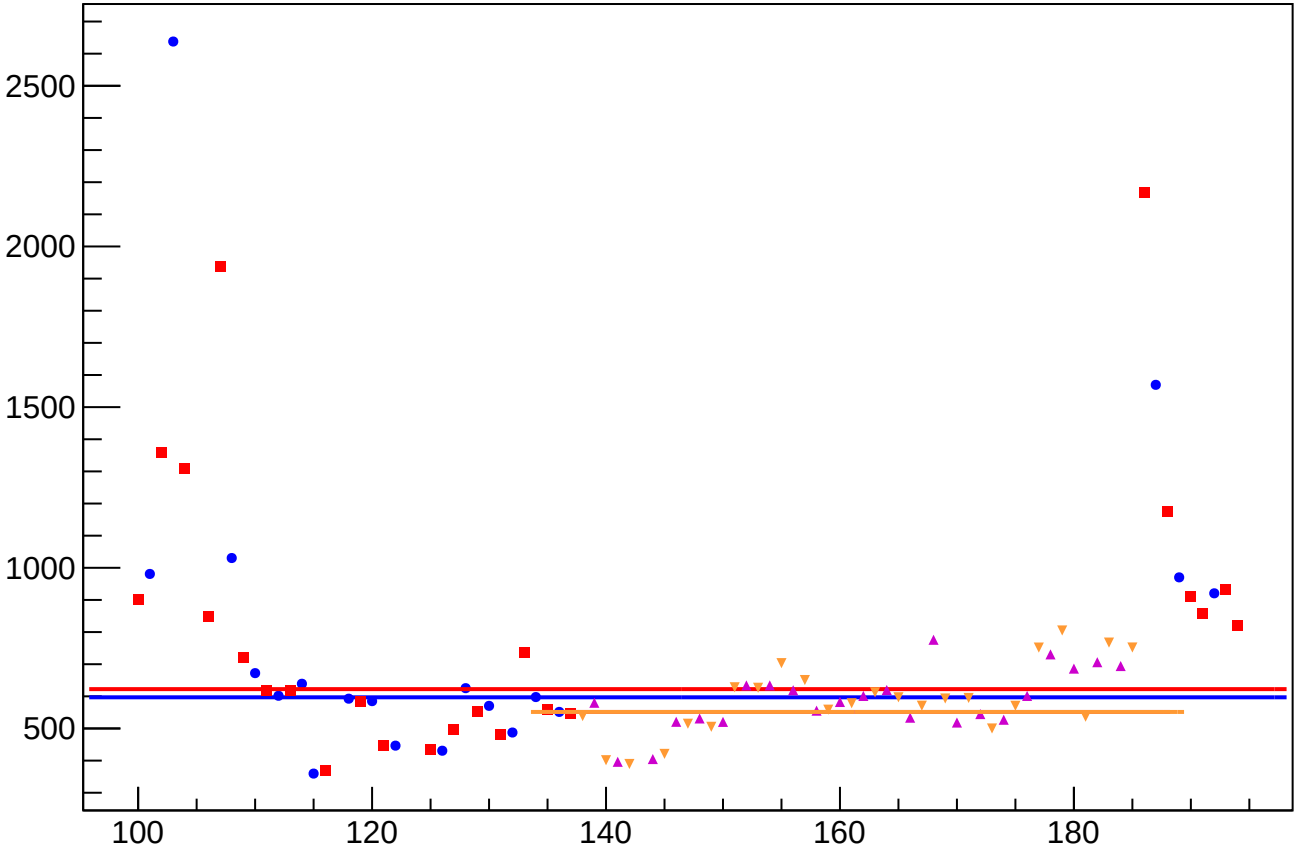
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -432.520+/-111.472 χ^2/NDF: 89.6/42

All: -302.942+/-78.429 χ^2/NDF: 137.8/89

- sign -175.922+/-110.366 χ^2/NDF: 45.6/46

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: 622.456+/-0.145 χ^2/NDF: 2689328.6/23

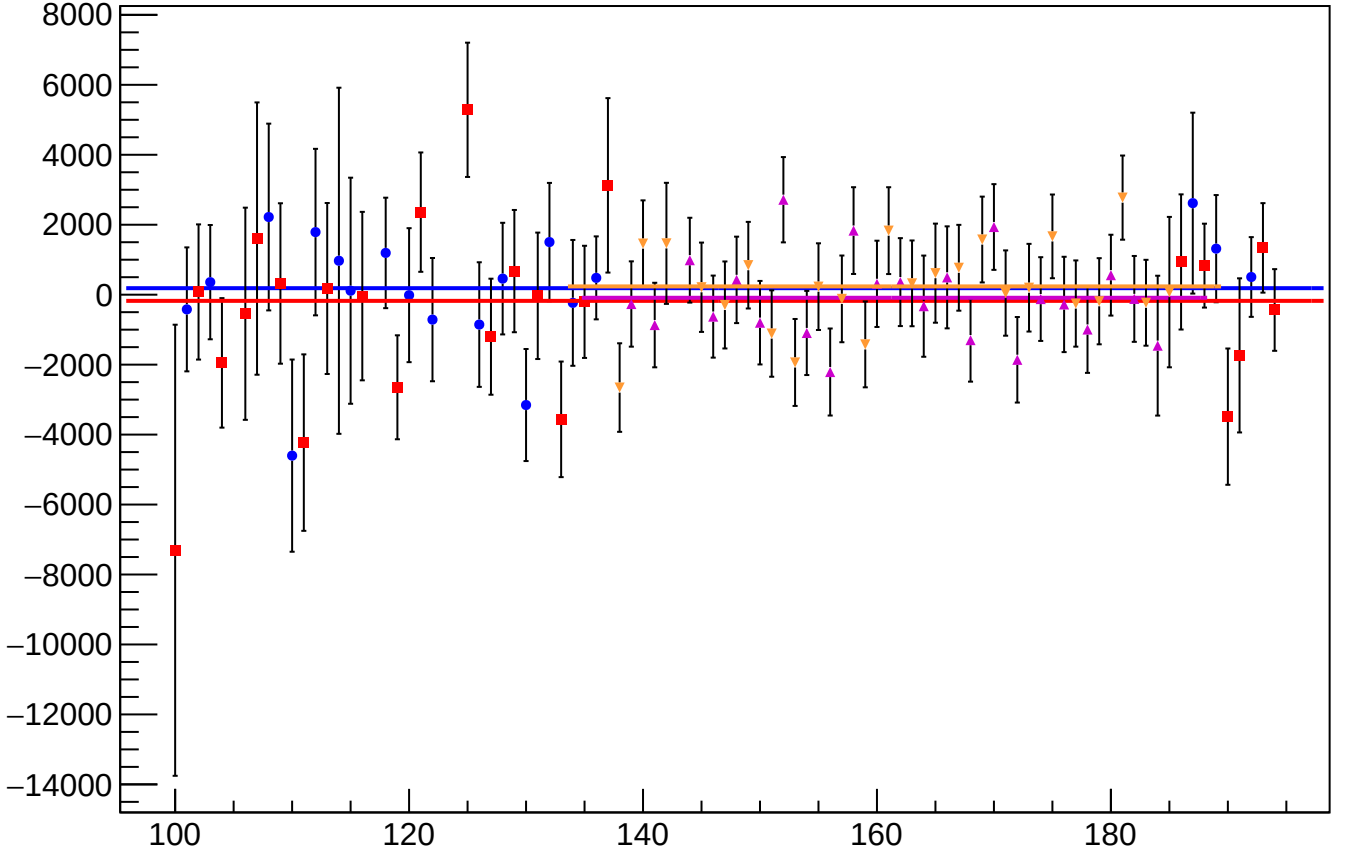
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 563.824+/-0.079 χ^2/NDF: 3151828.3/42

All: 567.927+/-0.055 χ^2/NDF: 7079233.4/89

- sign 571.950+/-0.078 χ^2/NDF: 3922038.2/46

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: -176.431+/-372.593 χ^2/NDF: 30.6/23

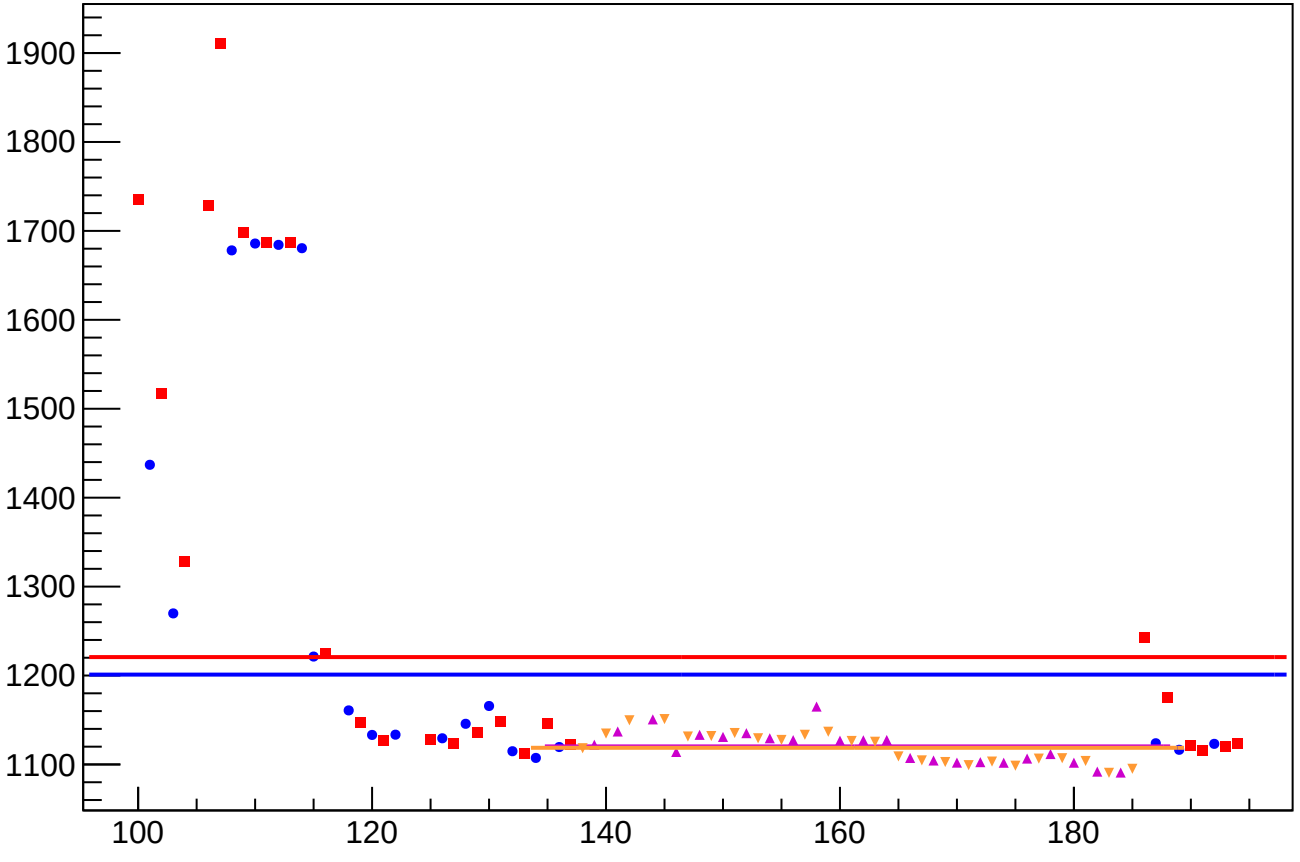
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 221.944+/-218.646 χ^2/NDF: 34.6/42

All: 48.684+/-152.973 χ^2/NDF: 87.3/89

- sign -117.447+/-214.100 χ^2/NDF: 51.5/46

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: 1220.741+/-0.263 χ^2/NDF: 498365.4/23

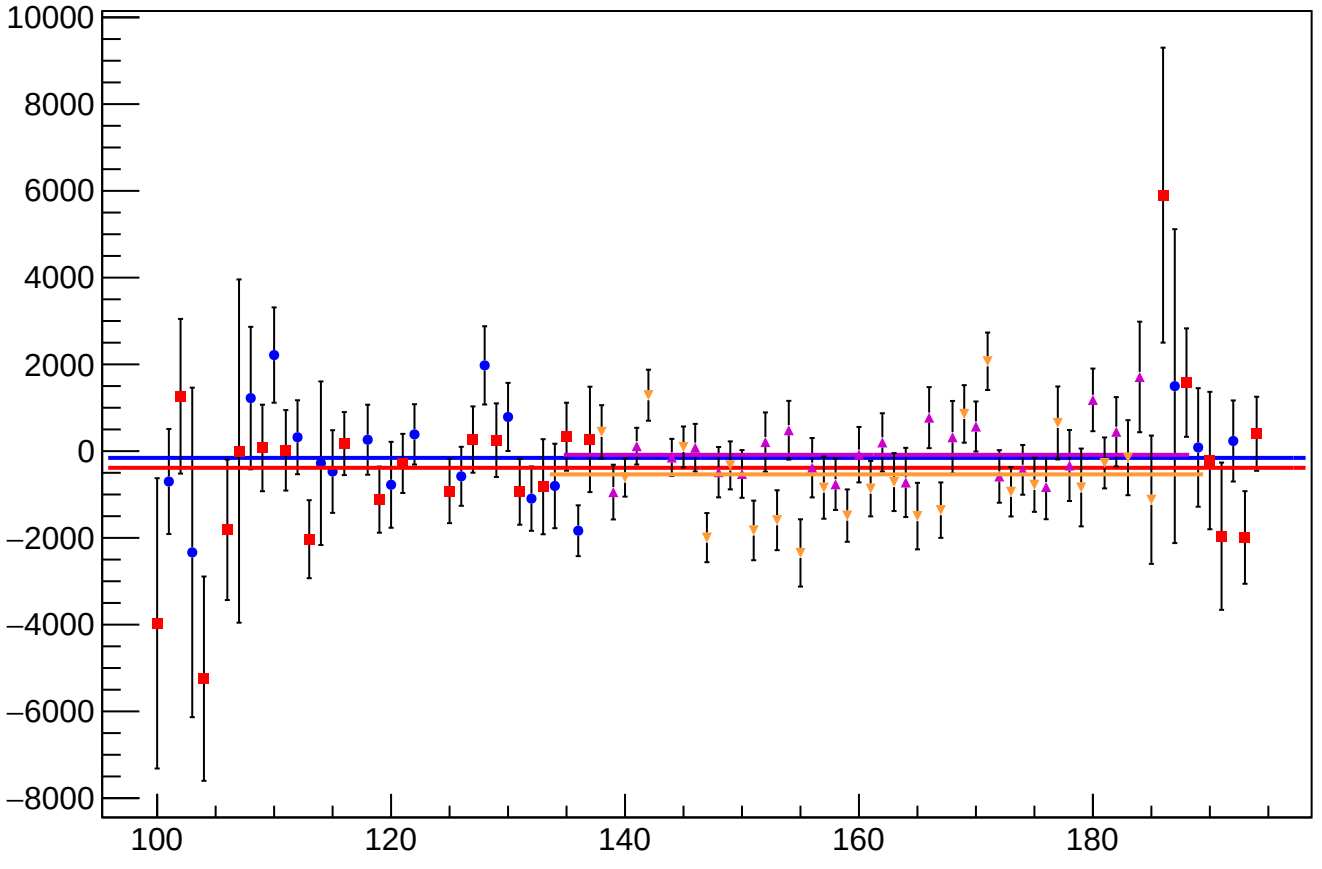
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1142.684+/-0.155 χ^2/NDF: 383718.7/42

All: 1148.190+/-0.108 χ^2/NDF: 991381.9/89

- sign 1153.470+/-0.151 χ^2/NDF: 605178.3/46

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: -384.452+/-205.266 χ^2/NDF: 25.9/23

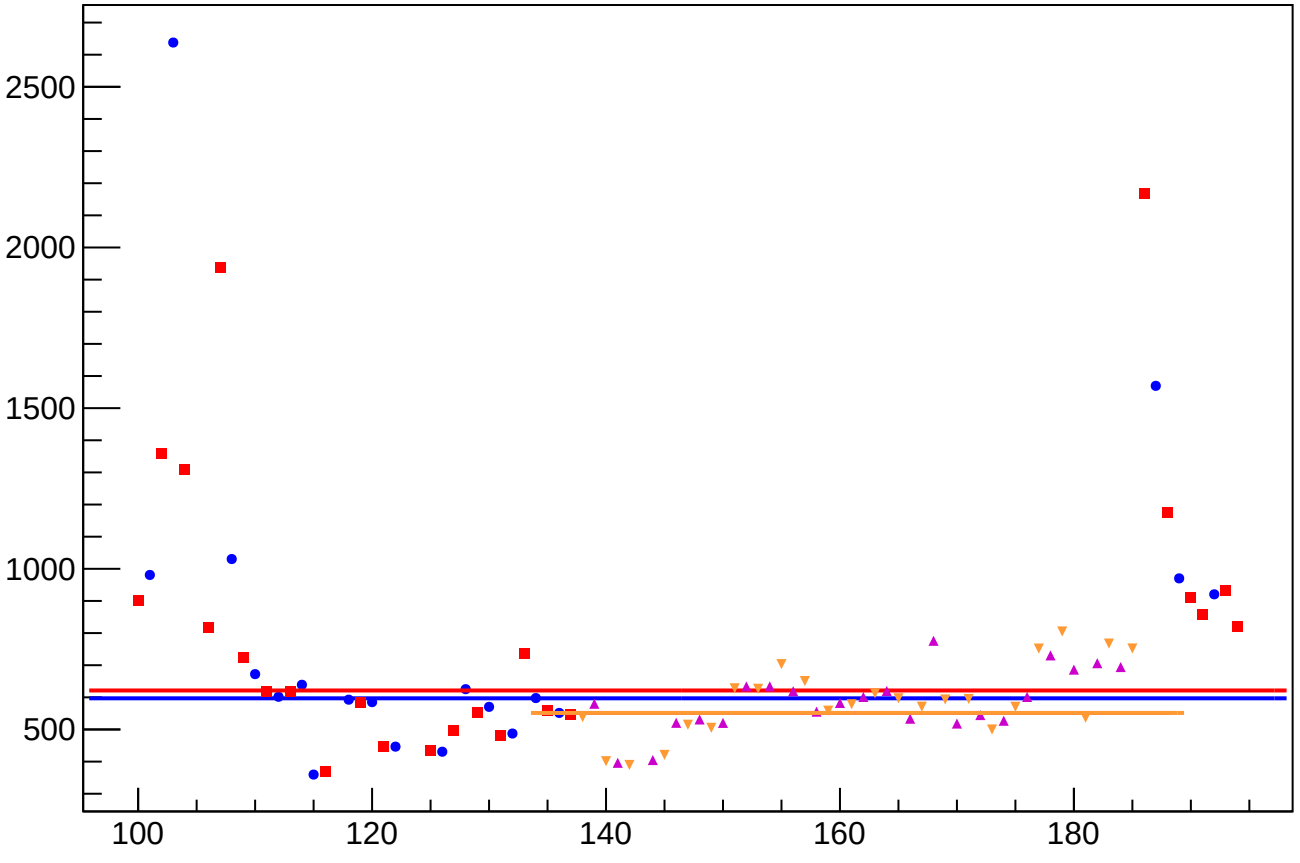
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -432.542+/-111.472 χ^2/NDF: 89.6/42

All: -300.923+/-78.443 χ^2/NDF: 136.8/89

- sign -171.806+/-110.407 χ^2/NDF: 44.5/46

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: 621.363+/-0.145 χ^2/NDF: 2673322.7/23

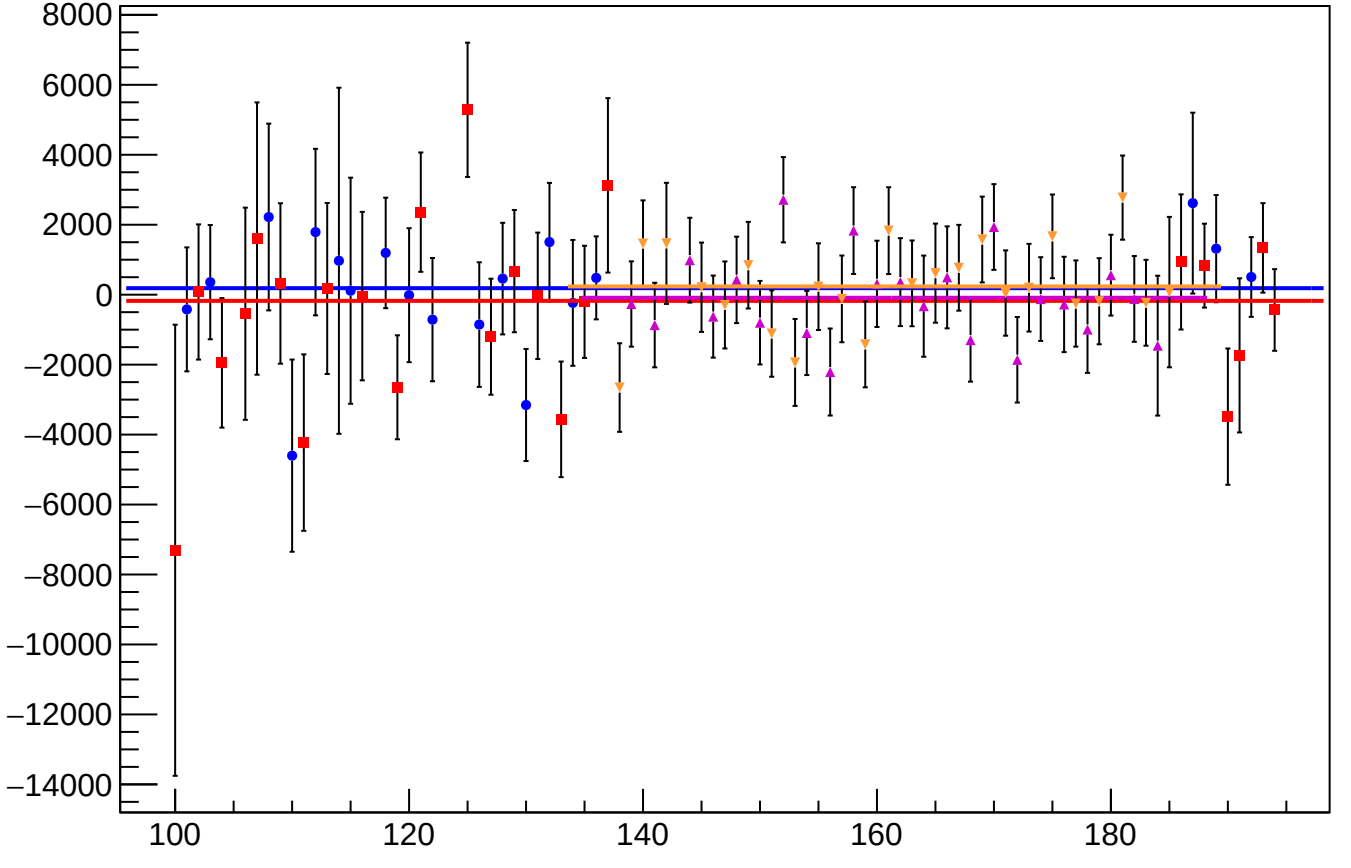
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

\+ sign 563.822+/-0.079 χ^2/NDF: 3151822.5/42

All: 567.746+/-0.055 χ^2/NDF: 7057216.5/89

\- sign 571.595+/-0.078 χ^2/NDF: 3900485.3/46

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: -176.431+/-372.593 χ^2/NDF: 30.6/23

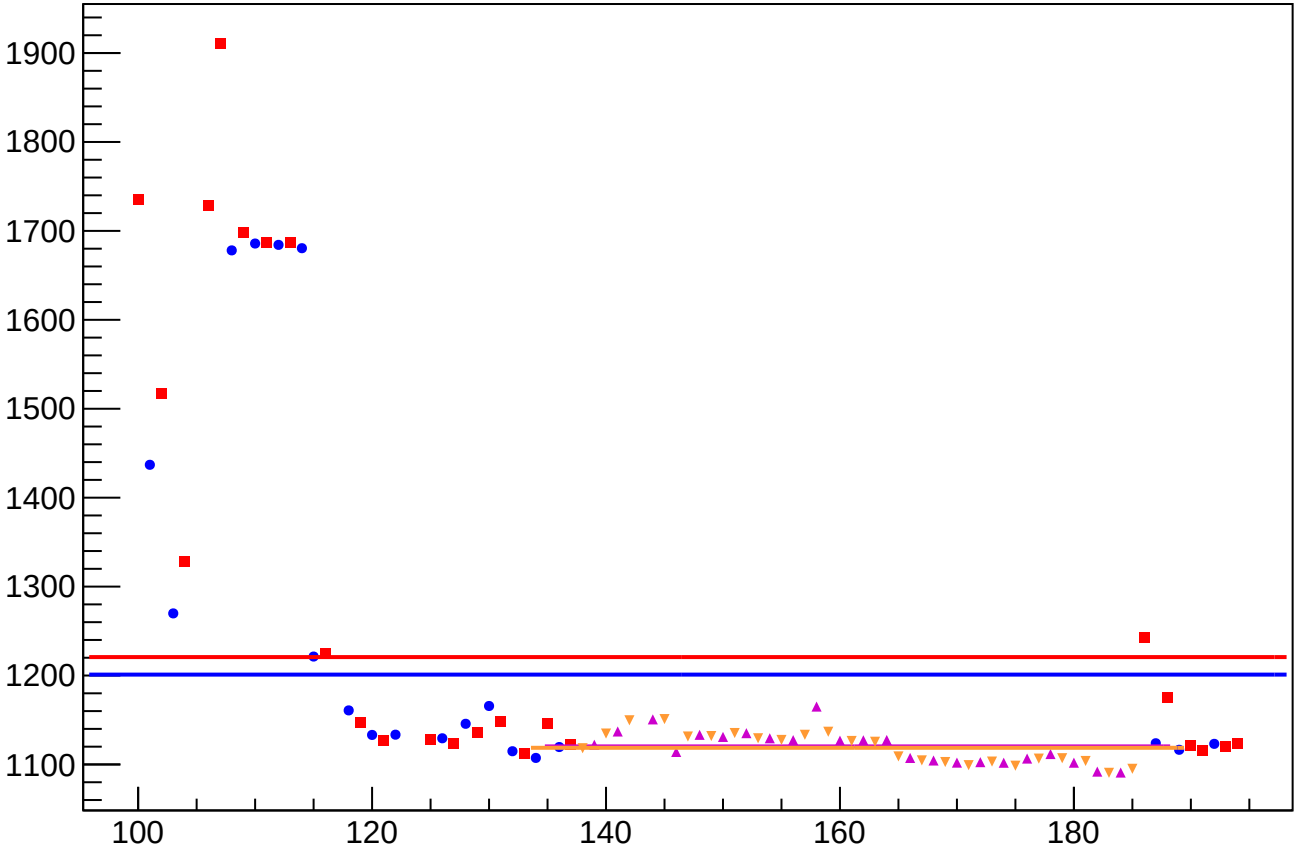
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 221.944+/-218.646 χ^2/NDF: 34.6/42

All: 48.684+/-152.973 χ^2/NDF: 87.3/89

- sign -117.447+/-214.100 χ^2/NDF: 51.5/46

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

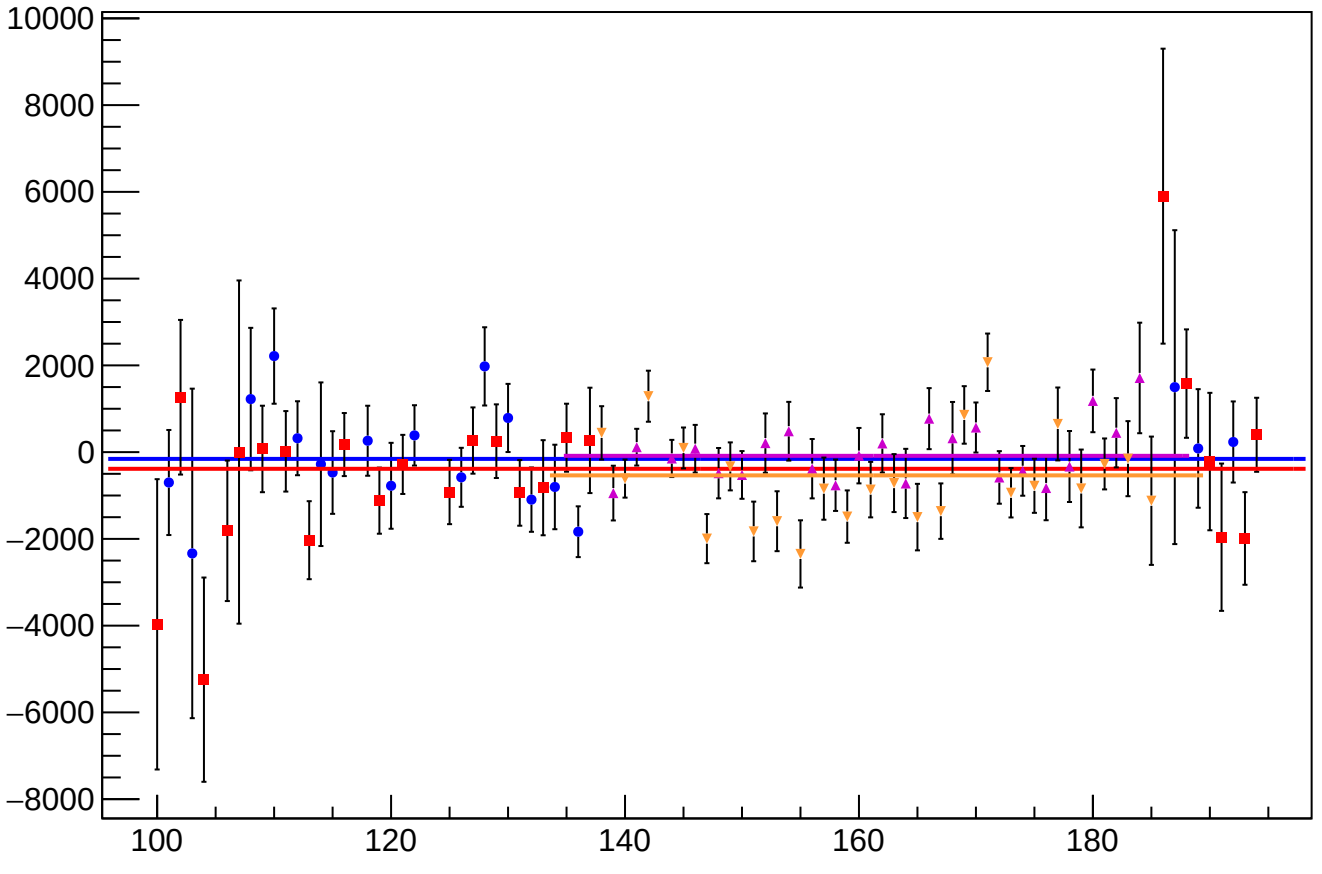
Right Out: 1220.741+/-0.263 χ^2/NDF: 498365.4/23

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1142.684+/-0.155 χ^2/NDF: 383718.7/42

All: 1148.190+/-0.108 χ^2/NDF: 991381.9/89

- sign 1153.470+/-0.151 χ^2/NDF: 605178.3/46



Right In: -155.815+/-213.740 χ^2/NDF: 25.7/18

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

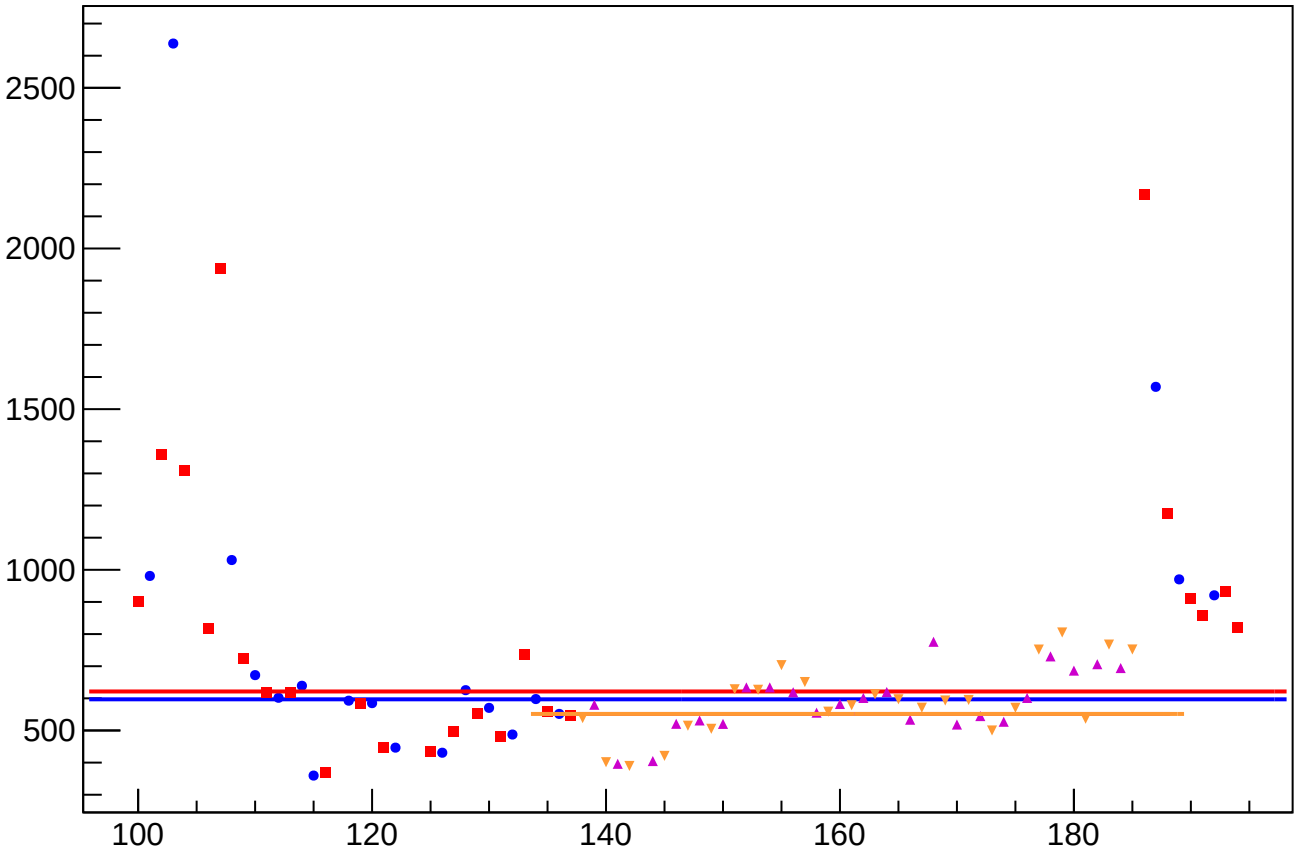
Right Out: -384.452+/-205.266 χ^2/NDF: 25.9/23

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -432.542+/-111.472 χ^2/NDF: 89.6/42

All: -300.923+/-78.443 χ^2/NDF: 136.8/89

- sign -171.806+/-110.407 χ^2/NDF: 44.5/46



Right In: 596.966+/-0.151 χ^2/NDF: 1859131.7/18

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 621.363+/-0.145 χ^2/NDF: 2673322.7/23

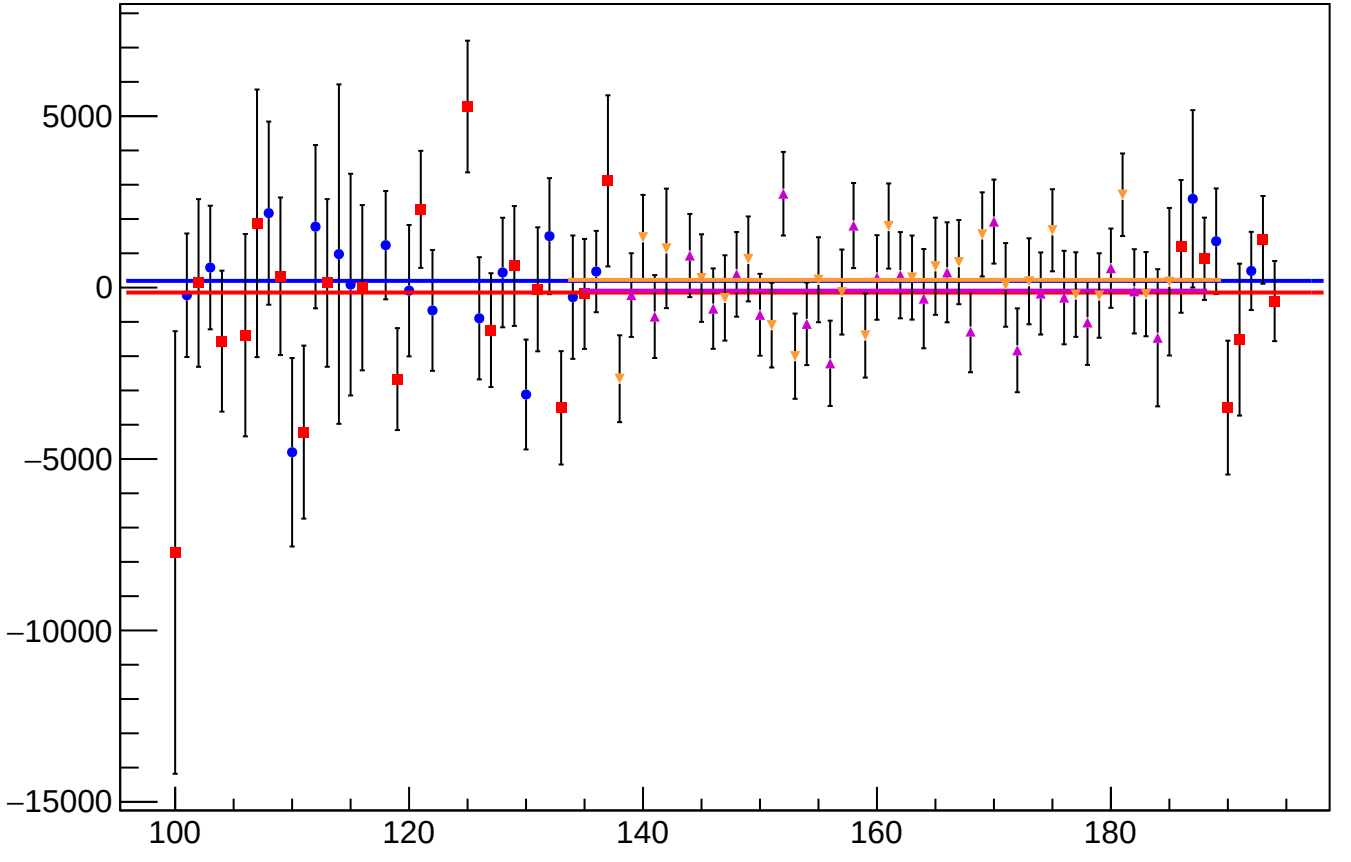
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 563.822+/-0.079 χ^2/NDF: 3151822.5/42

All: 567.746+/-0.055 χ^2/NDF: 7057216.5/89

- sign 571.595+/-0.078 χ^2/NDF: 3900485.3/46

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: -144.273+/-376.838 χ^2/NDF: 30.3/23

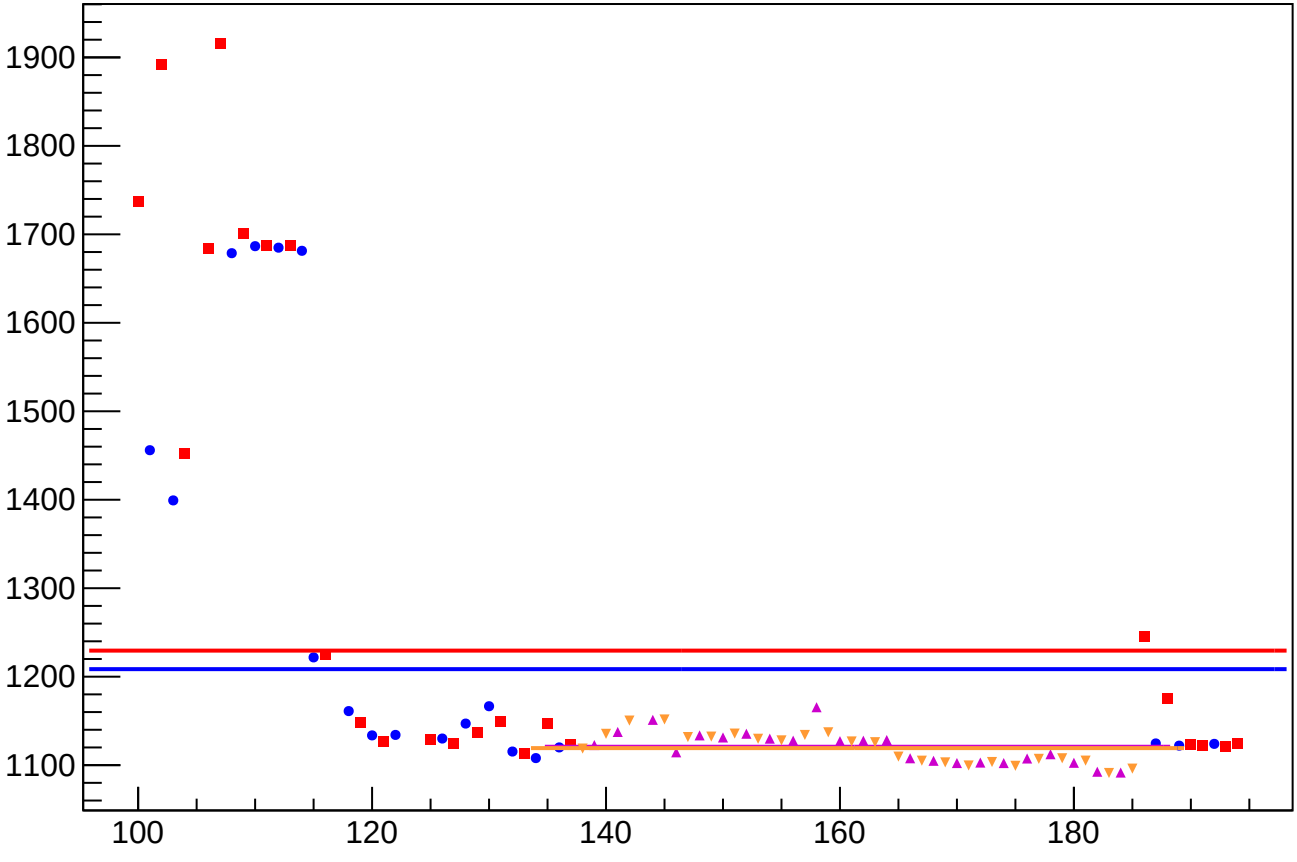
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 217.107+/-219.198 χ^2/NDF: 34.2/42

All: 51.871+/-153.476 χ^2/NDF: 86.2/89

- sign -107.038+/-214.960 χ^2/NDF: 50.9/46

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: 1229.469+/-0.266 χ^2/NDF: 612700.6/23

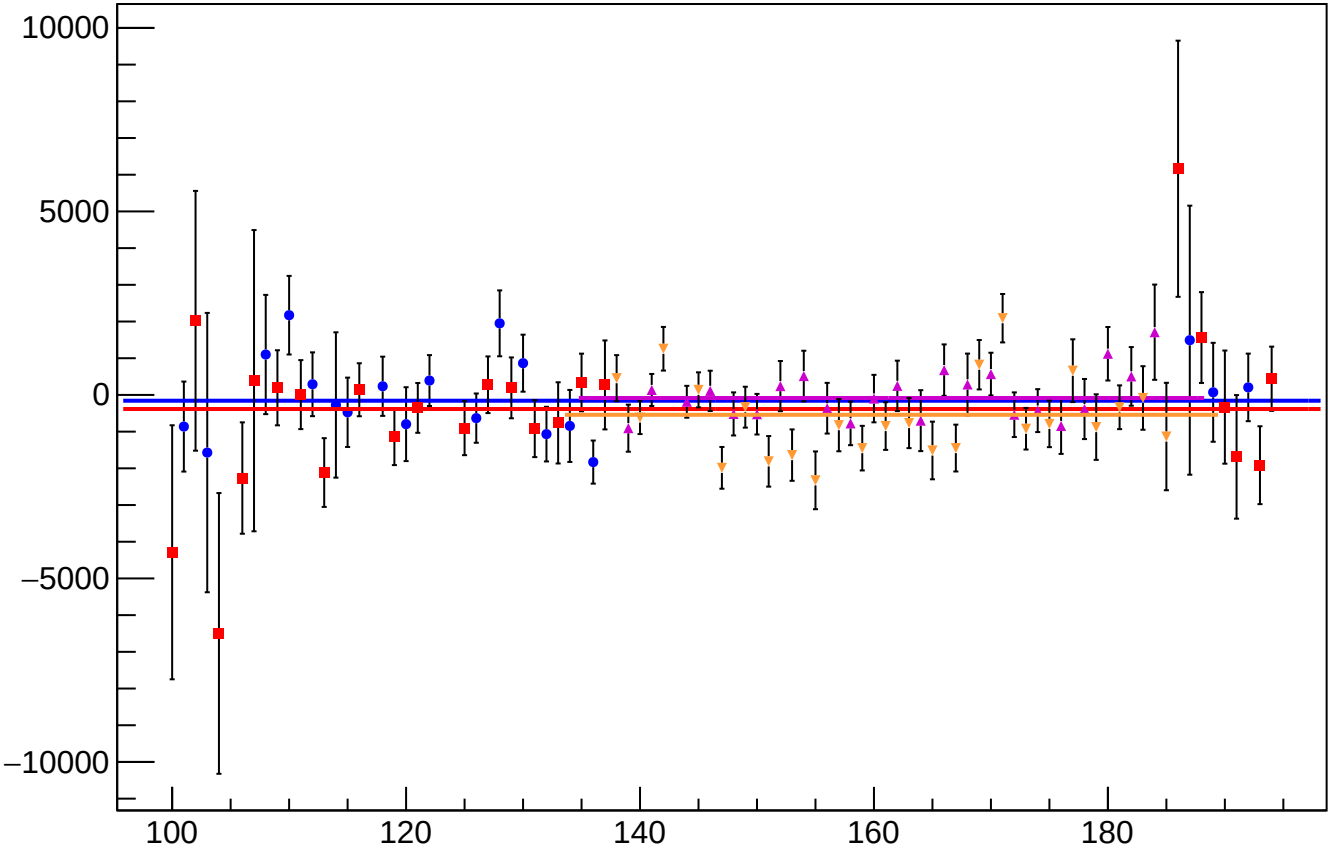
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1144.992+/-0.155 χ^2/NDF: 416613.0/42

All: 1150.685+/-0.109 χ^2/NDF: 1153583.5/89

- sign 1156.160+/-0.152 χ^2/NDF: 734323.8/46

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: -383.681+/-207.706 χ^2/NDF: 24.3/23

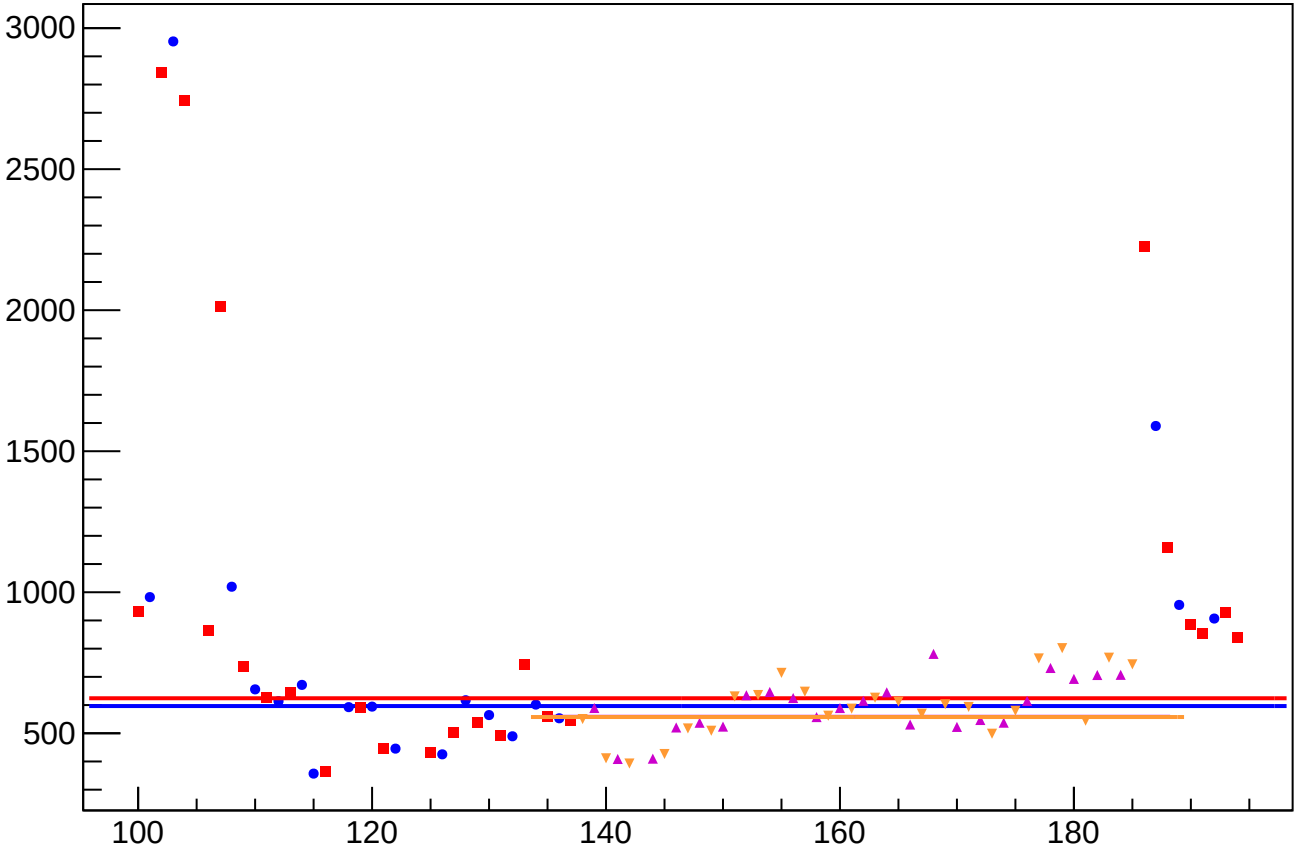
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -435.409+/-112.269 χ^2/NDF: 88.9/42

All: -302.480+/-79.197 χ^2/NDF: 133.8/89

- sign -170.811+/-111.735 χ^2/NDF: 42.2/46

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: 624.145+/-0.147 χ^2/NDF: 3602891.9/23

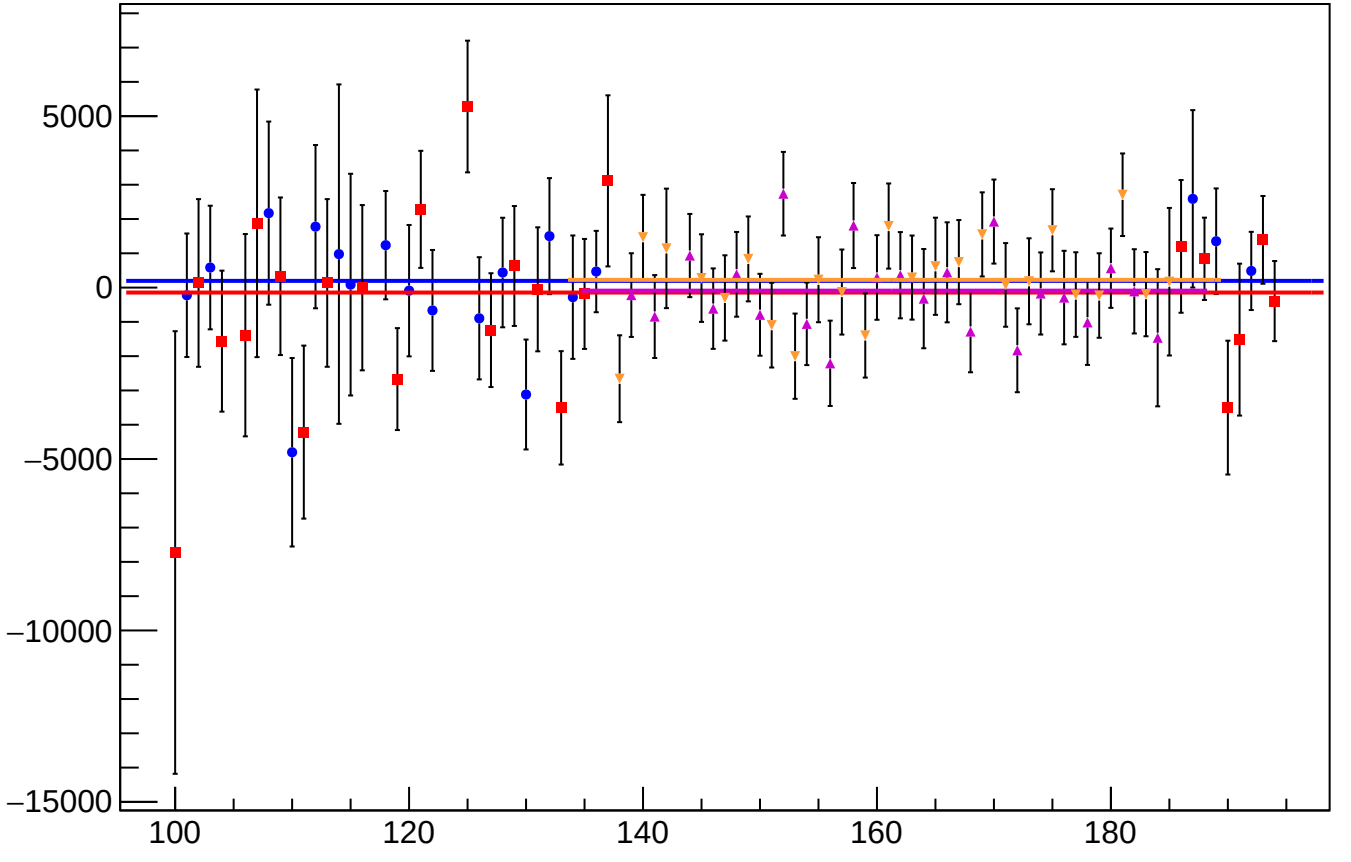
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 568.359+/-0.079 χ^2/NDF: 3277524.2/42

All: 572.911+/-0.056 χ^2/NDF: 8057199.4/89

- sign 577.421+/-0.079 χ^2/NDF: 4773128.6/46

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: -144.272+/-376.838 χ^2/NDF: 30.3/23

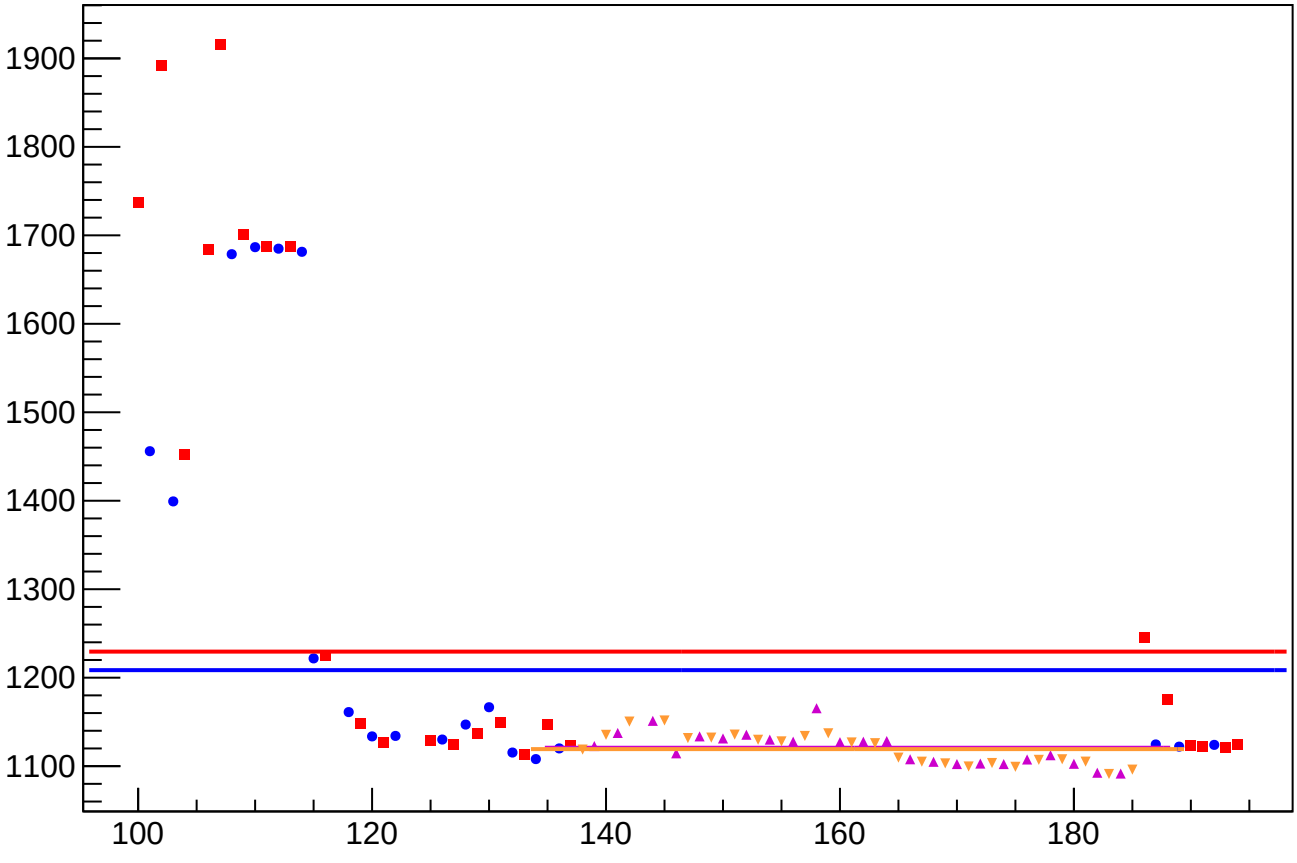
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 217.106+/-219.198 χ^2/NDF: 34.2/42

All: 51.870+/-153.476 χ^2/NDF: 86.2/89

- sign -107.038+/-214.960 χ^2/NDF: 50.9/46

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: 1229.469+/-0.266 χ^2/NDF: 612700.0/23

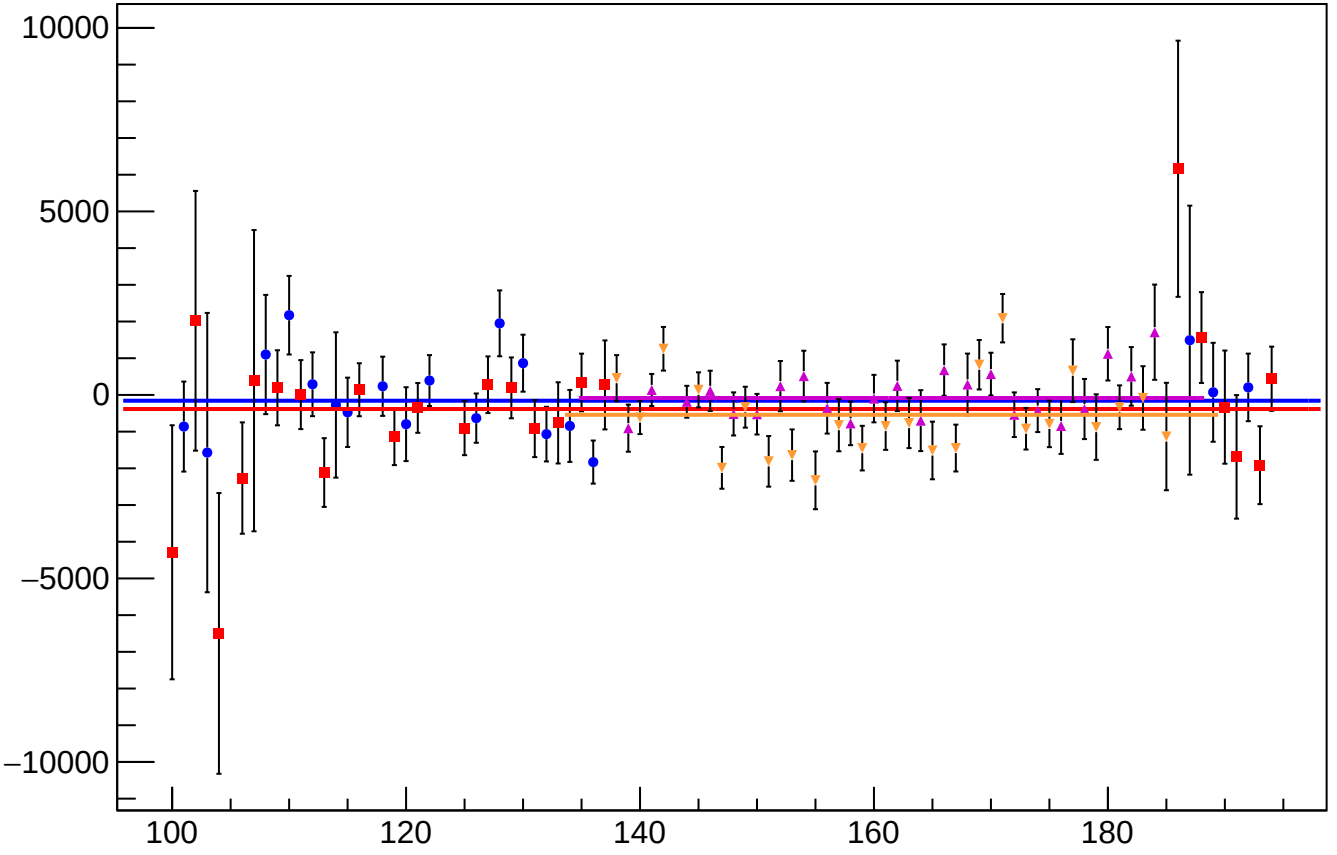
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1144.992+/-0.155 χ^2/NDF: 416612.5/42

All: 1150.685+/-0.109 χ^2/NDF: 1153582.3/89

- sign 1156.160+/-0.152 χ^2/NDF: 734323.1/46

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: -383.682+/-207.706 χ^2/NDF: 24.3/23

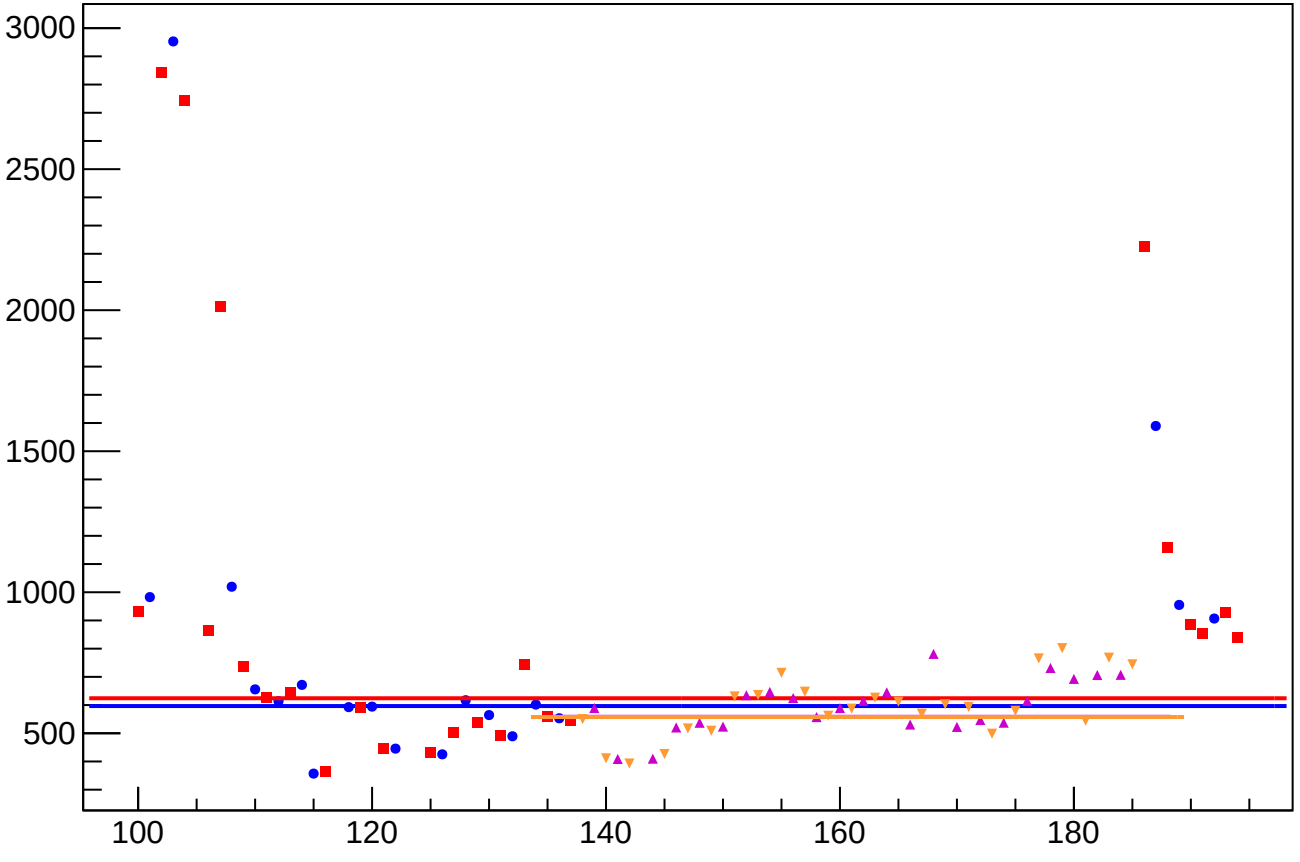
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -435.408+/-112.269 χ^2/NDF: 88.9/42

All: -302.479+/-79.197 χ^2/NDF: 133.8/89

- sign -170.811+/-111.735 χ^2/NDF: 42.2/46

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: 624.144+/-0.147 χ^2/NDF: 3602892.3/23

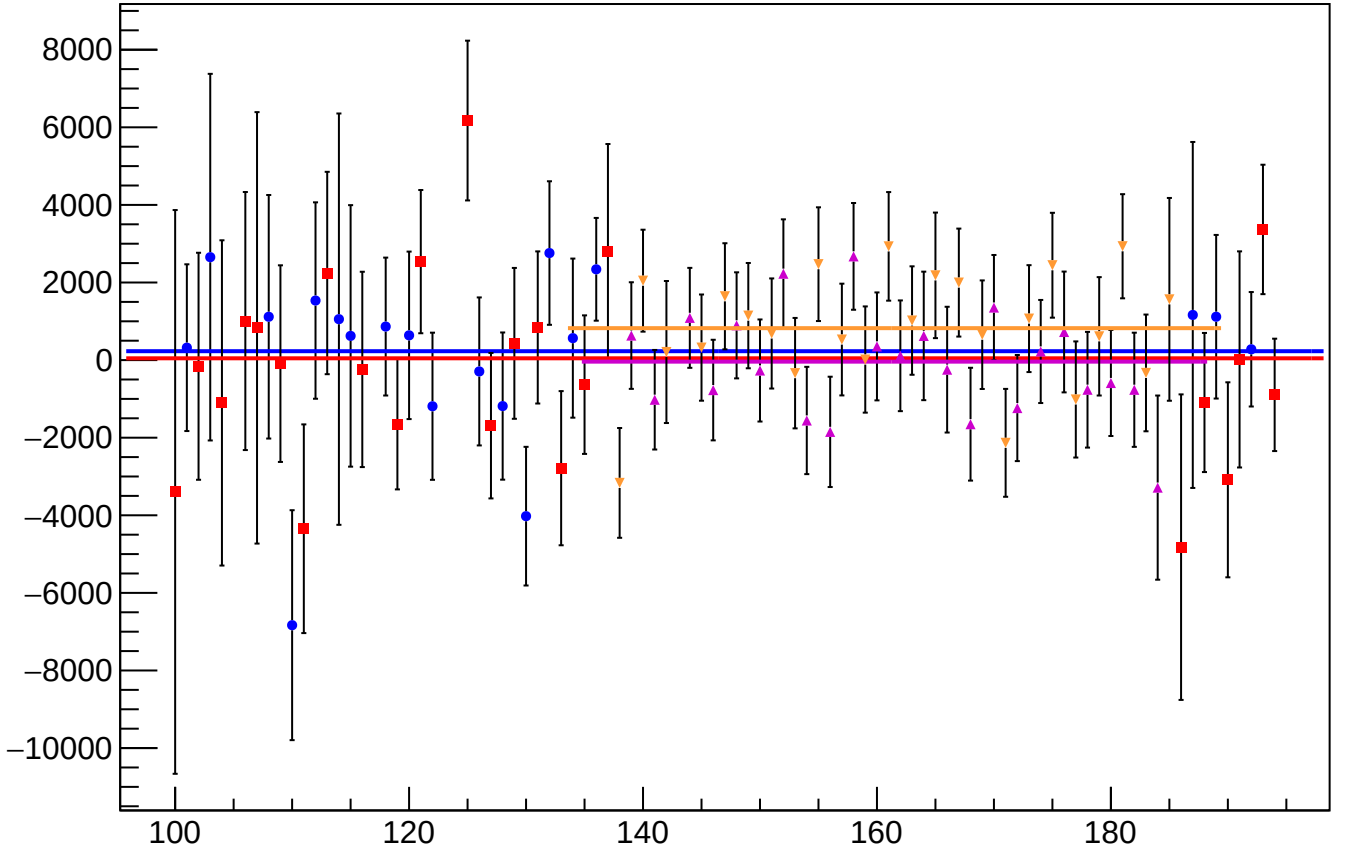
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 568.358+/-0.079 χ^2/NDF: 3277543.6/42

All: 572.911+/-0.056 χ^2/NDF: 8057236.0/89

- sign 577.420+/-0.079 χ^2/NDF: 4773145.6/46

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: 46.206+/-456.295 χ^2/NDF: 27.6/23

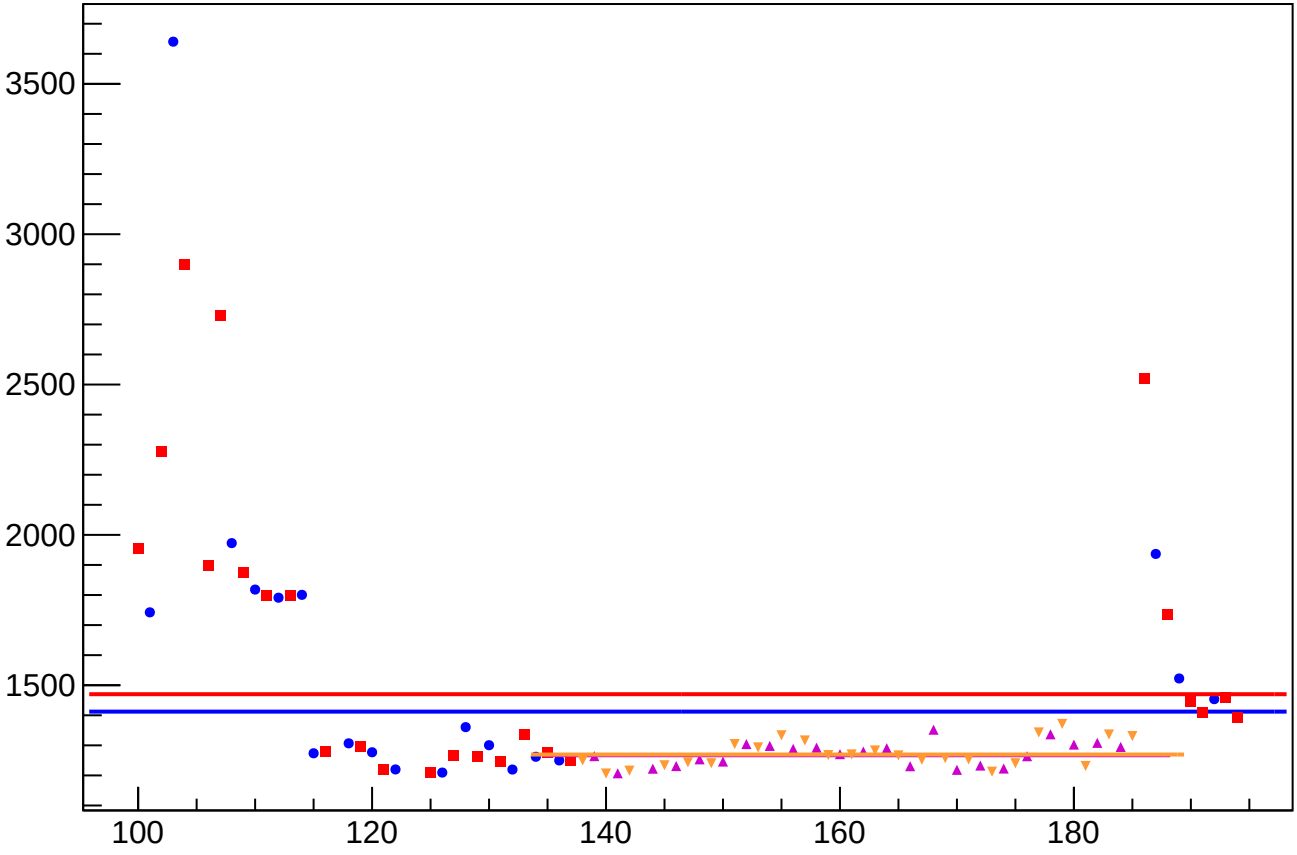
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 662.700+/-251.812 χ^2/NDF: 45.3/42

All: 319.510+/-176.814 χ^2/NDF: 94.4/89

- sign -14.253+/-248.330 χ^2/NDF: 45.5/46

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

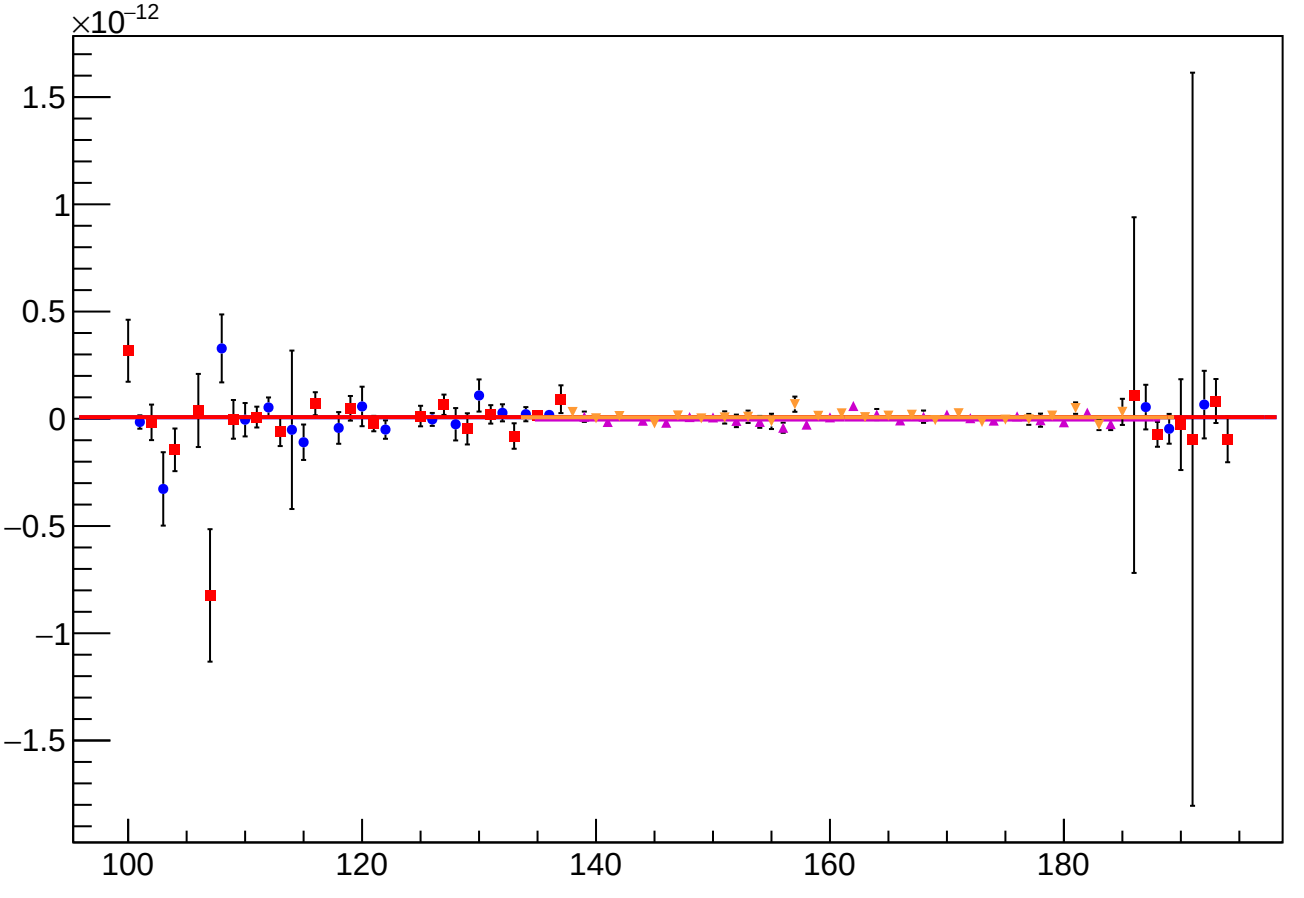
Right Out: 1470.113+/-0.323 χ^2/NDF: 1054010.5/23

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1308.061+/-0.178 χ^2/NDF: 986638.1/42

All: 1317.767+/-0.125 χ^2/NDF: 2359791.3/89

- sign 1327.206+/-0.176 χ^2/NDF: 1367292.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/23

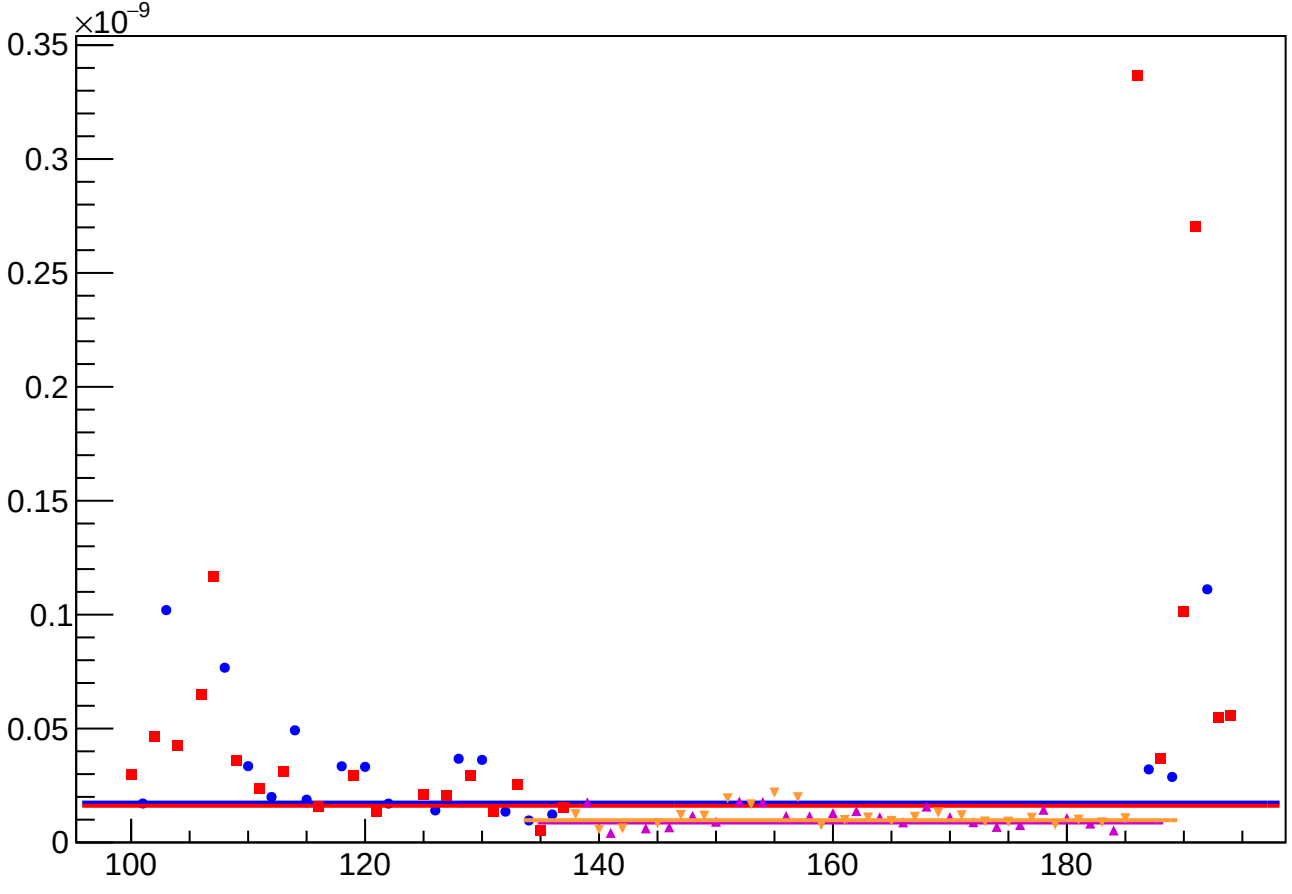
Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.6/42

All: 0.000+/-0.000 χ^2/NDF: 92.5/89

- sign -0.000+/-0.000 χ^2/NDF: 51.7/46

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: 3798244.9/23

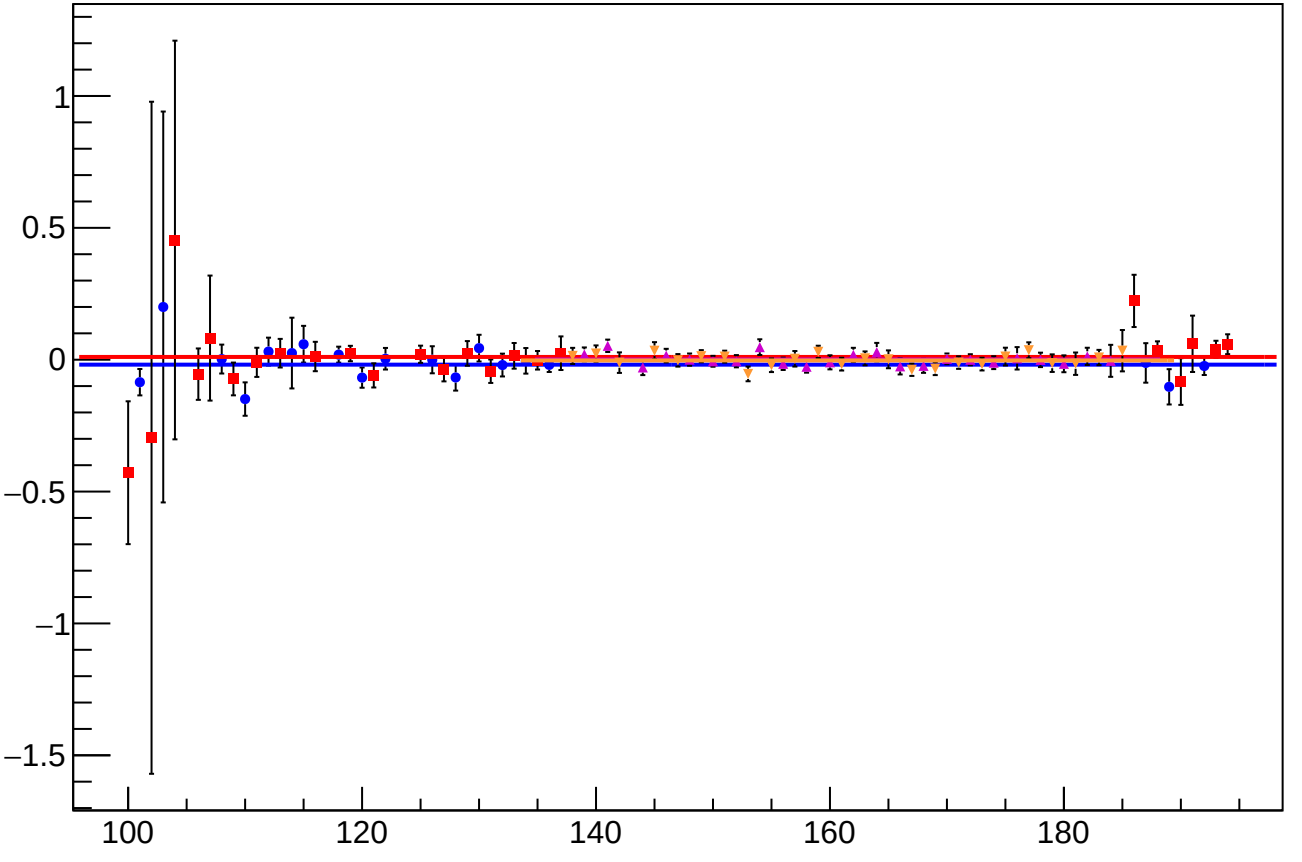
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4683304.4/42

All: 0.000+/-0.000 χ^2/NDF: 11406621.0/89

- sign 0.000+/-0.000 χ^2/NDF: 6628911.1/46

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: 0.010+/-0.010 χ^2/NDF: 19.9/23

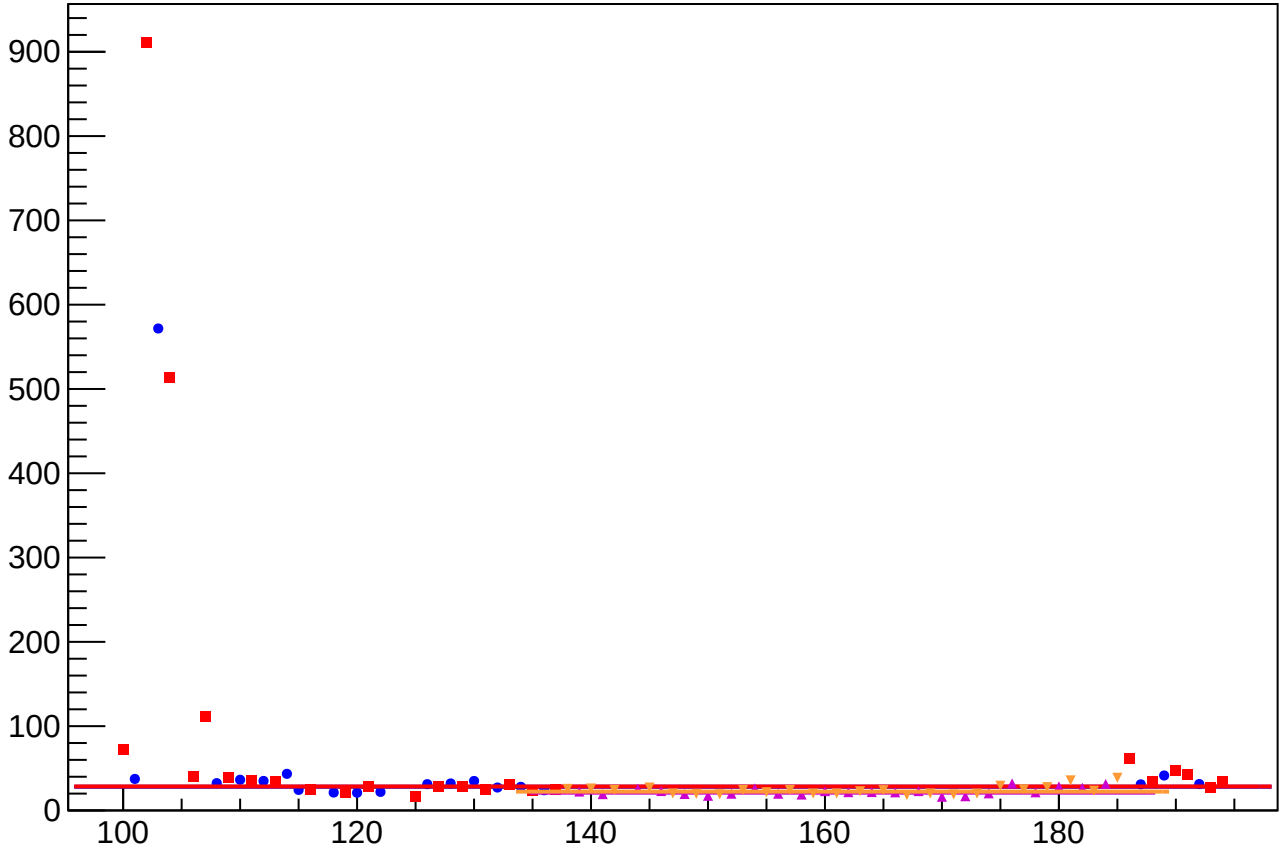
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 34.4/42

All: -0.001+/-0.003 χ^2/NDF: 71.6/89

- sign 0.003+/-0.005 χ^2/NDF: 35.5/46

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.138+/-0.008 χ^2/NDF: 1678505.2/18

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

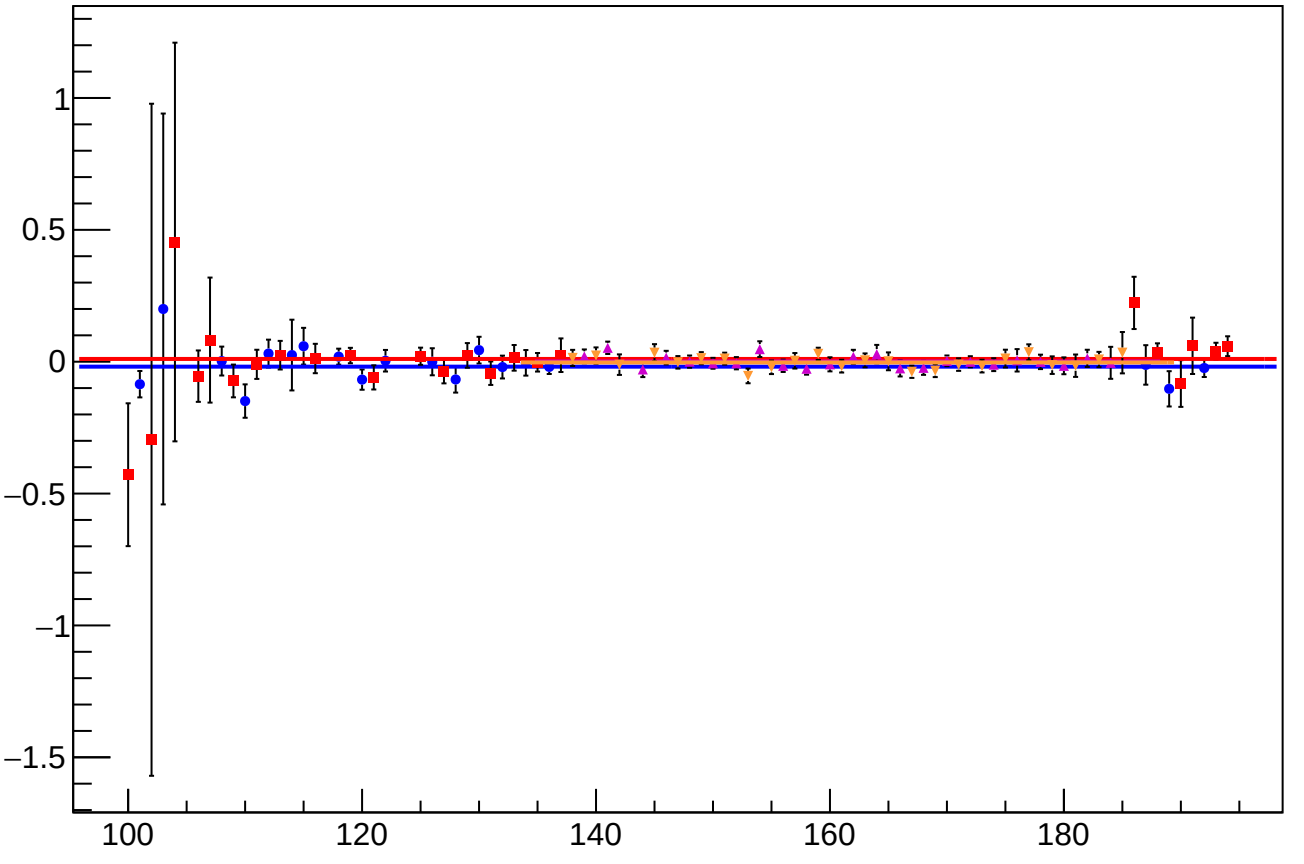
Right Out: 28.435+/-0.007 χ^2/NDF: 3129231.1/23

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.629+/-0.004 χ^2/NDF: 2950650.9/42

All: 23.166+/-0.002 χ^2/NDF: 7737718.0/89

- sign 22.740+/-0.003 χ^2/NDF: 4754393.5/46



Right In: -0.019+/-0.011 χ^2/NDF: 16.3/18

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.010+/-0.010 χ^2/NDF: 19.9/23

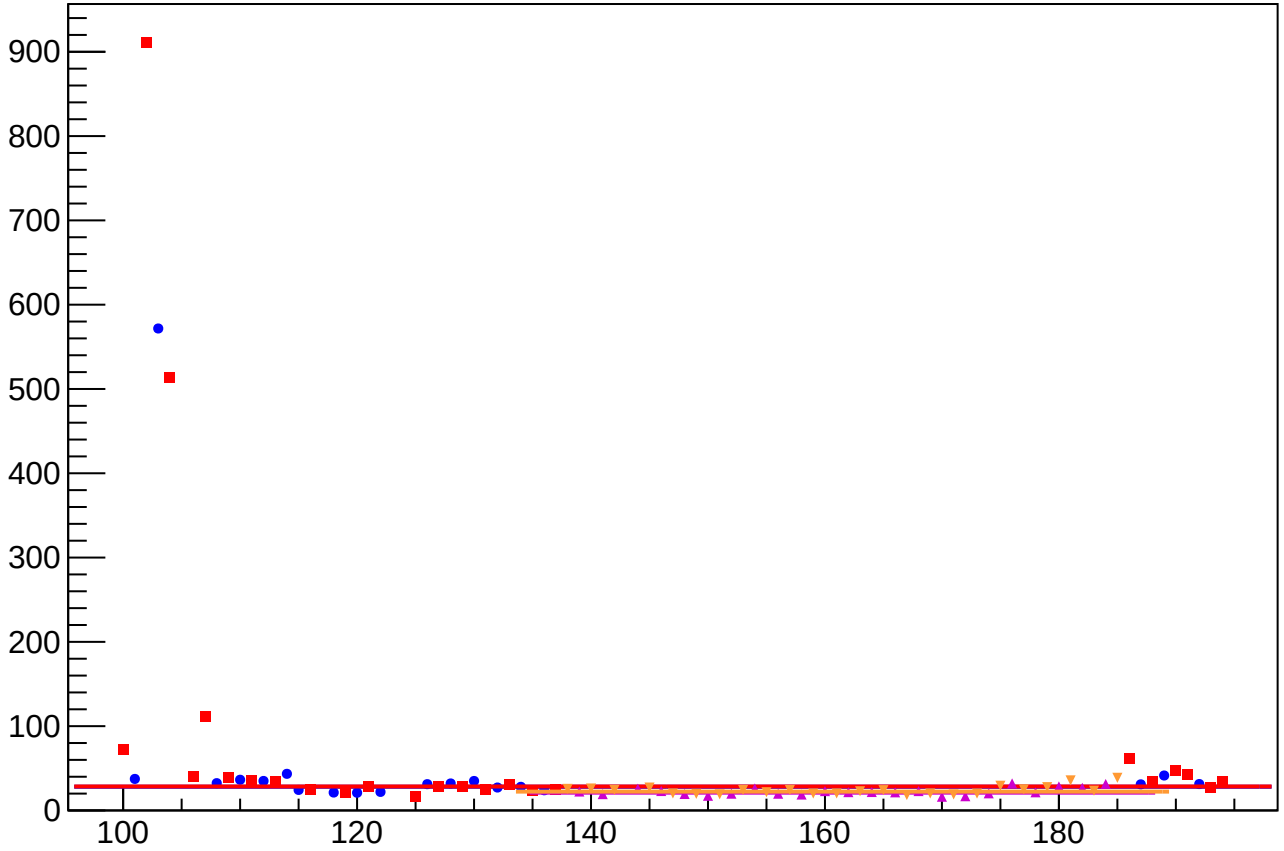
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 34.4/42

All: -0.001+/-0.003 χ^2/NDF: 71.6/89

- sign 0.003+/-0.005 χ^2/NDF: 35.5/46

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.138+/-0.008 χ^2/NDF: 1678505.2/18

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

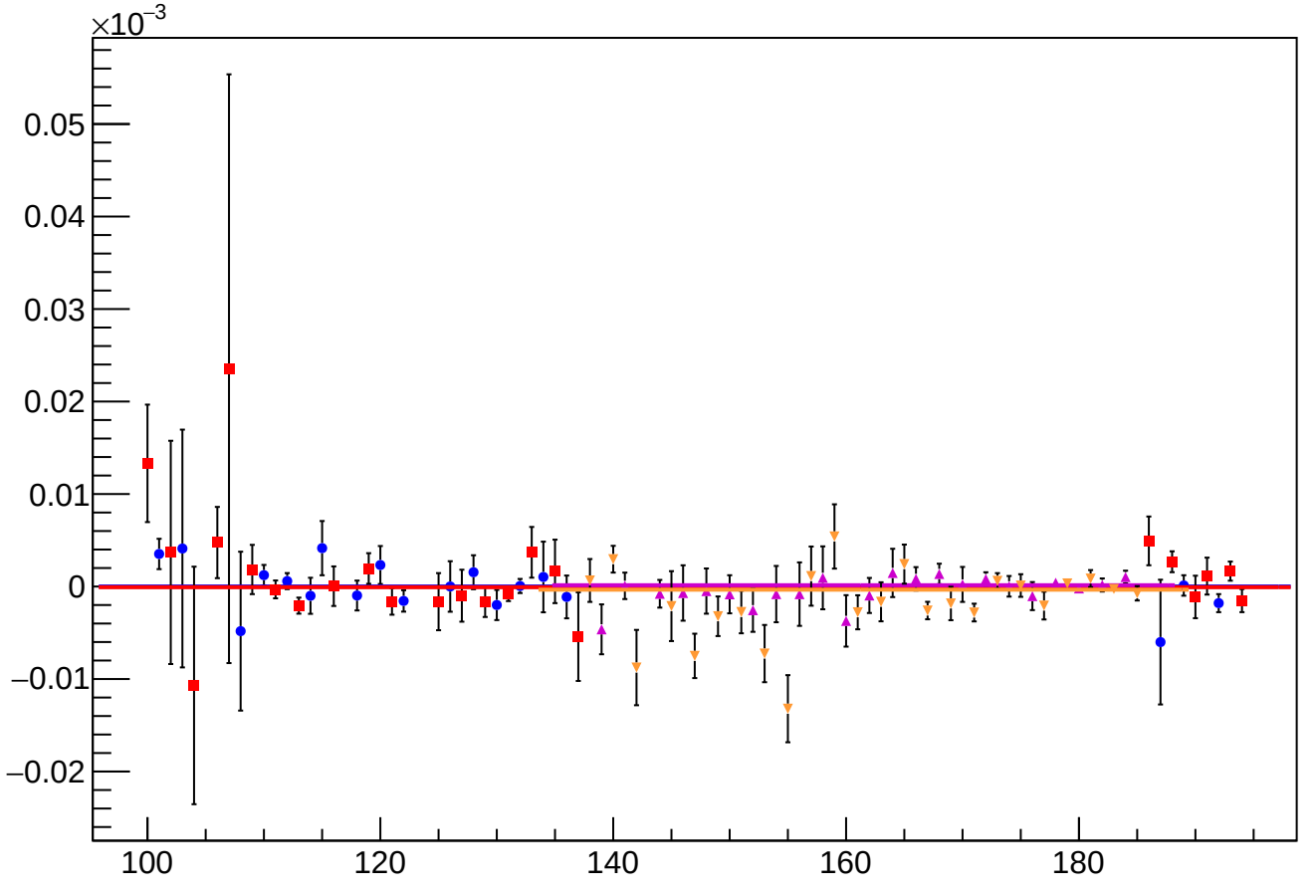
Right Out: 28.435+/-0.007 χ^2/NDF: 3129231.1/23

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.629+/-0.004 χ^2/NDF: 2950650.9/42

All: 23.166+/-0.002 χ^2/NDF: 7737718.0/89

- sign 22.740+/-0.003 χ^2/NDF: 4754393.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/23

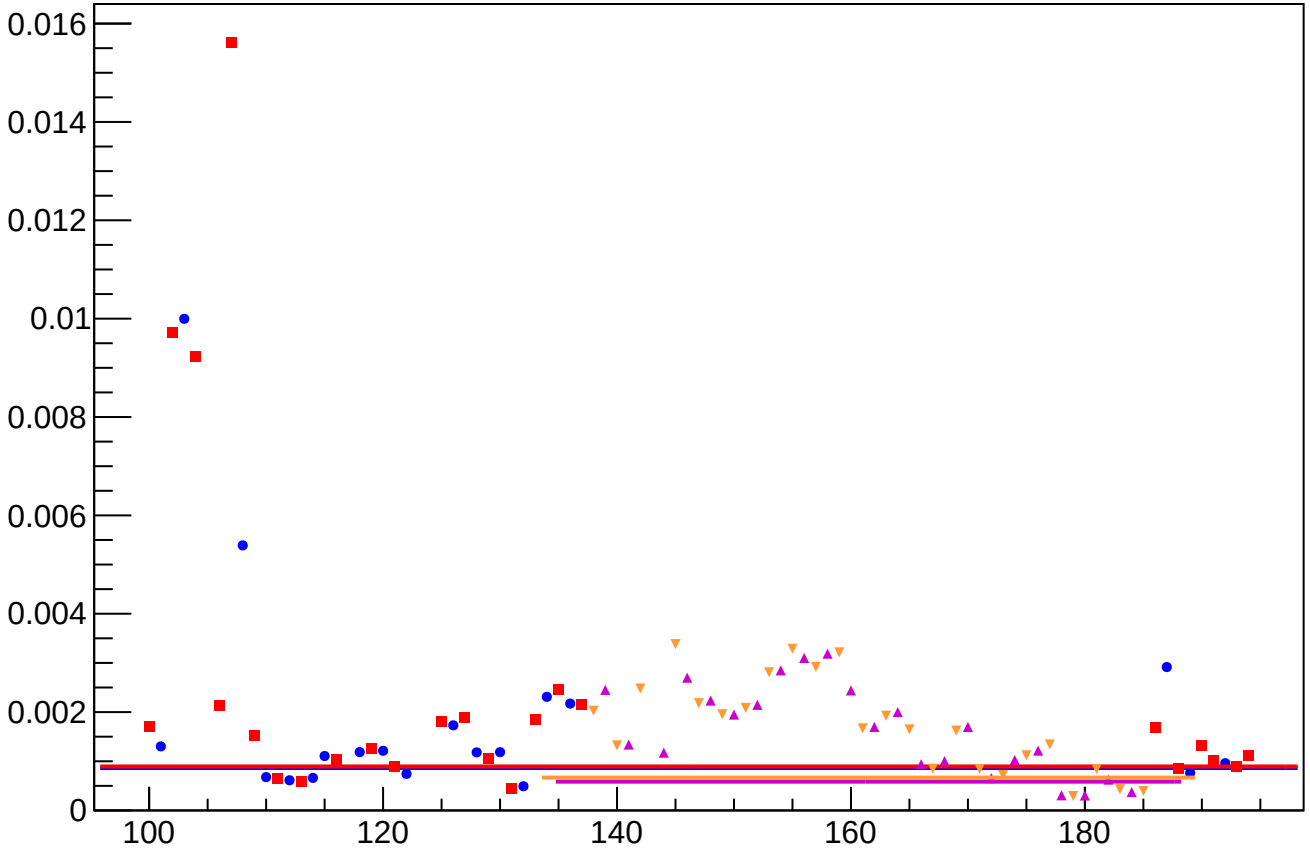
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 88.0/42

All: -0.000+/-0.000 χ^2/NDF: 140.3/89

- sign 0.000+/-0.000 χ^2/NDF: 50.3/46

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

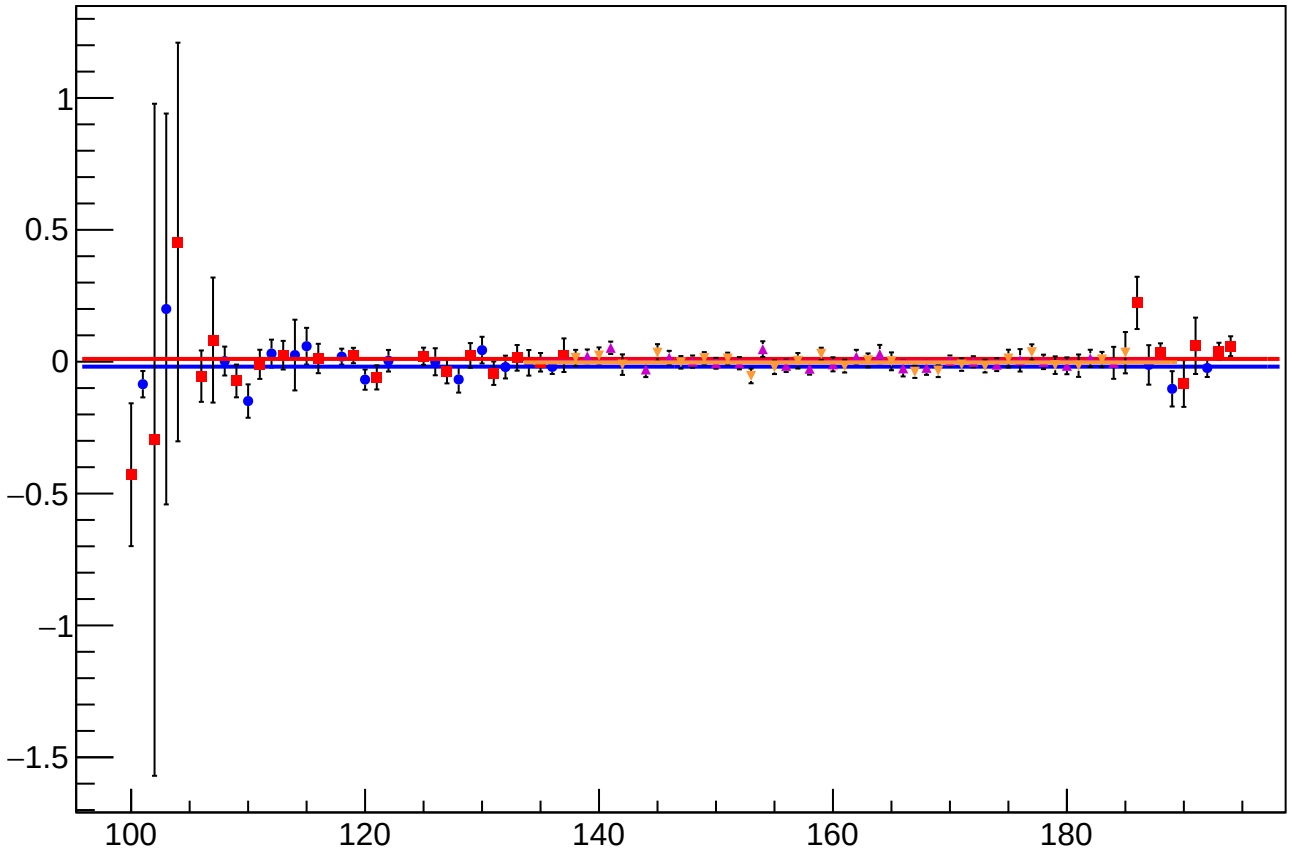
Right Out: 0.001+/-0.000 χ^2/NDF: 5396760.8/23

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: 42466630.4/89

- sign 0.001+/-0.000 χ^2/NDF: 22386512.1/46



Right In: -0.019+/-0.011 χ^2/NDF: 16.3/18

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.010+/-0.010 χ^2/NDF: 19.9/23

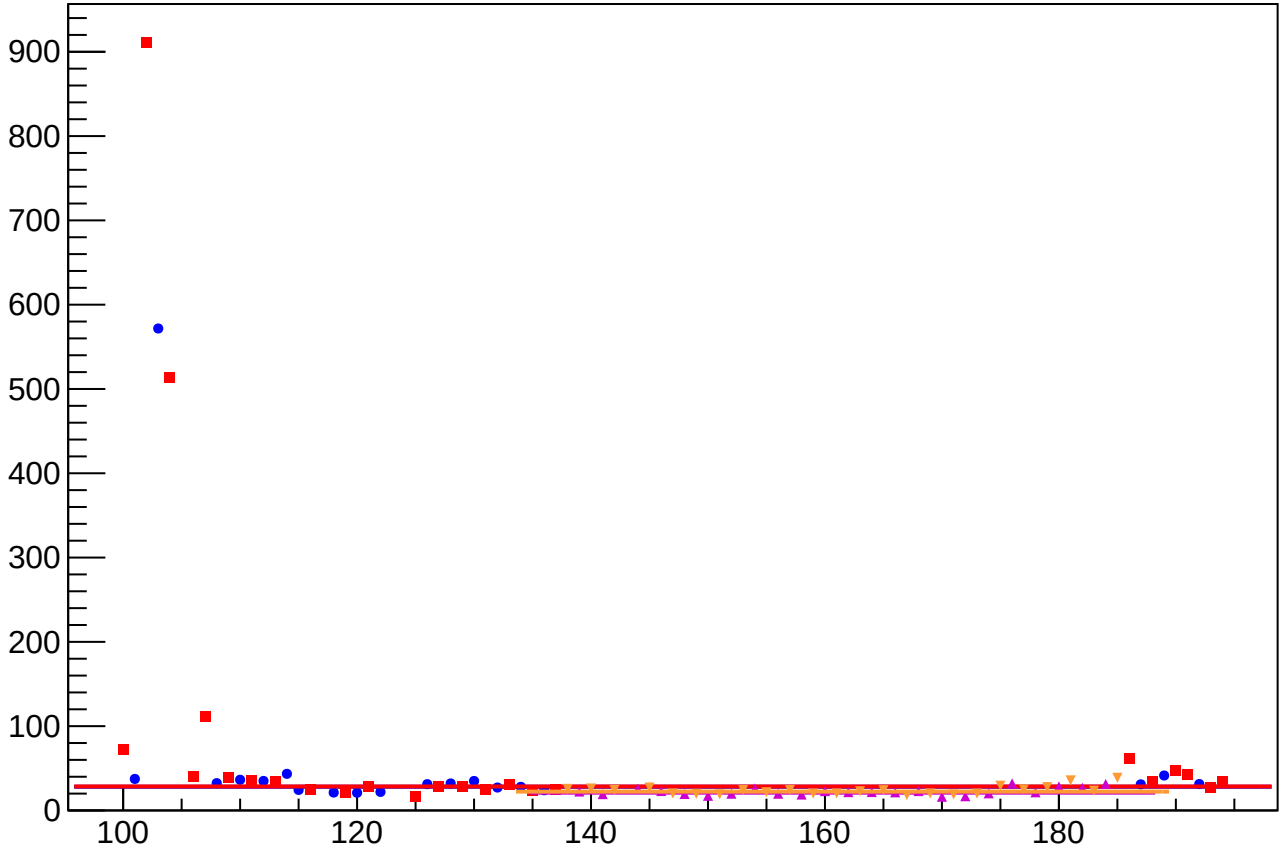
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 34.4/42

All: -0.001+/-0.003 χ^2/NDF: 71.6/89

- sign 0.003+/-0.005 χ^2/NDF: 35.5/46

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.138+/-0.008 χ^2/NDF: 1678500.5/18

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

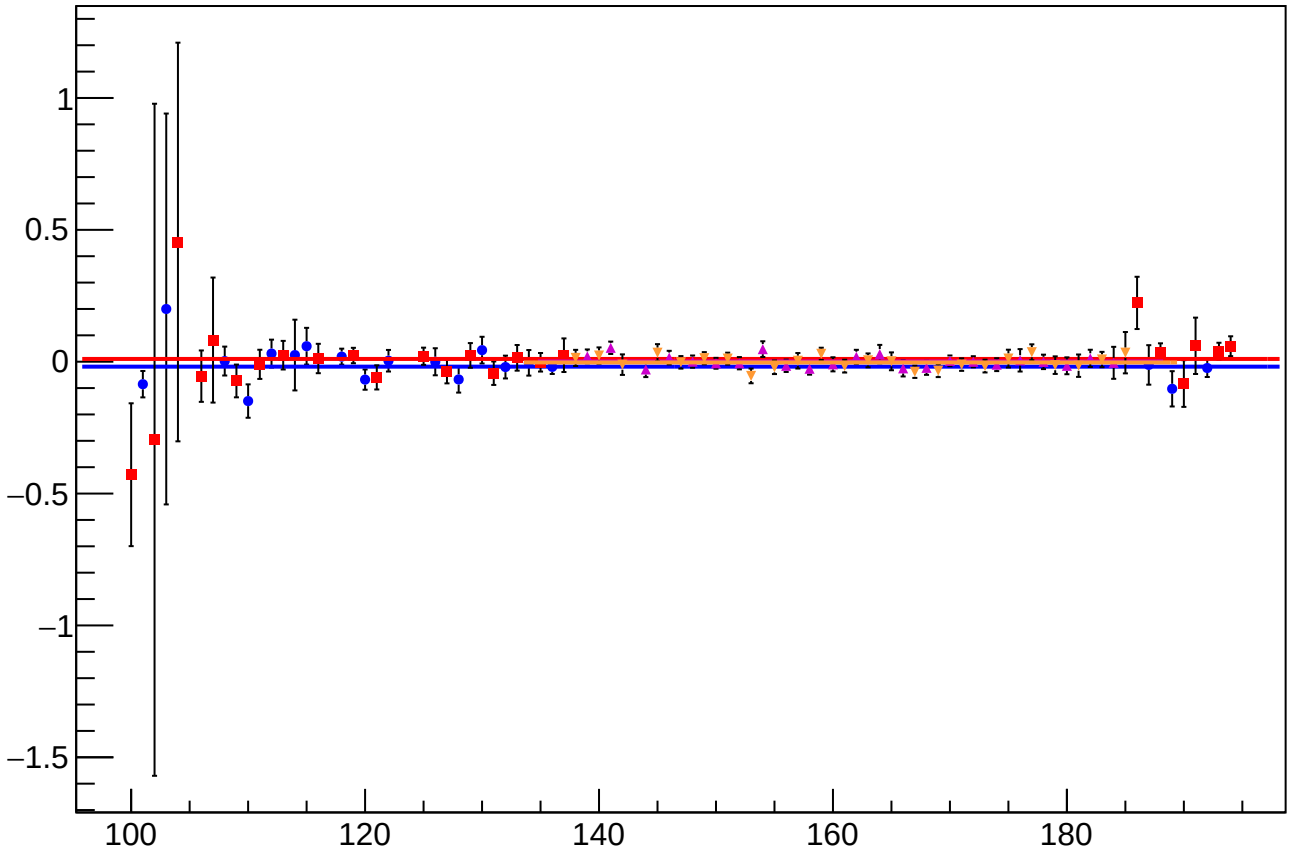
Right Out: 28.435+/-0.007 χ^2/NDF: 3129237.4/23

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.629+/-0.004 χ^2/NDF: 2950621.9/42

All: 23.166+/-0.002 χ^2/NDF: 7737704.1/89

- sign 22.740+/-0.003 χ^2/NDF: 4754409.8/46



Right In: -0.019+/-0.011 χ^2/NDF: 16.3/18

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.010+/-0.010 χ^2/NDF: 19.9/23

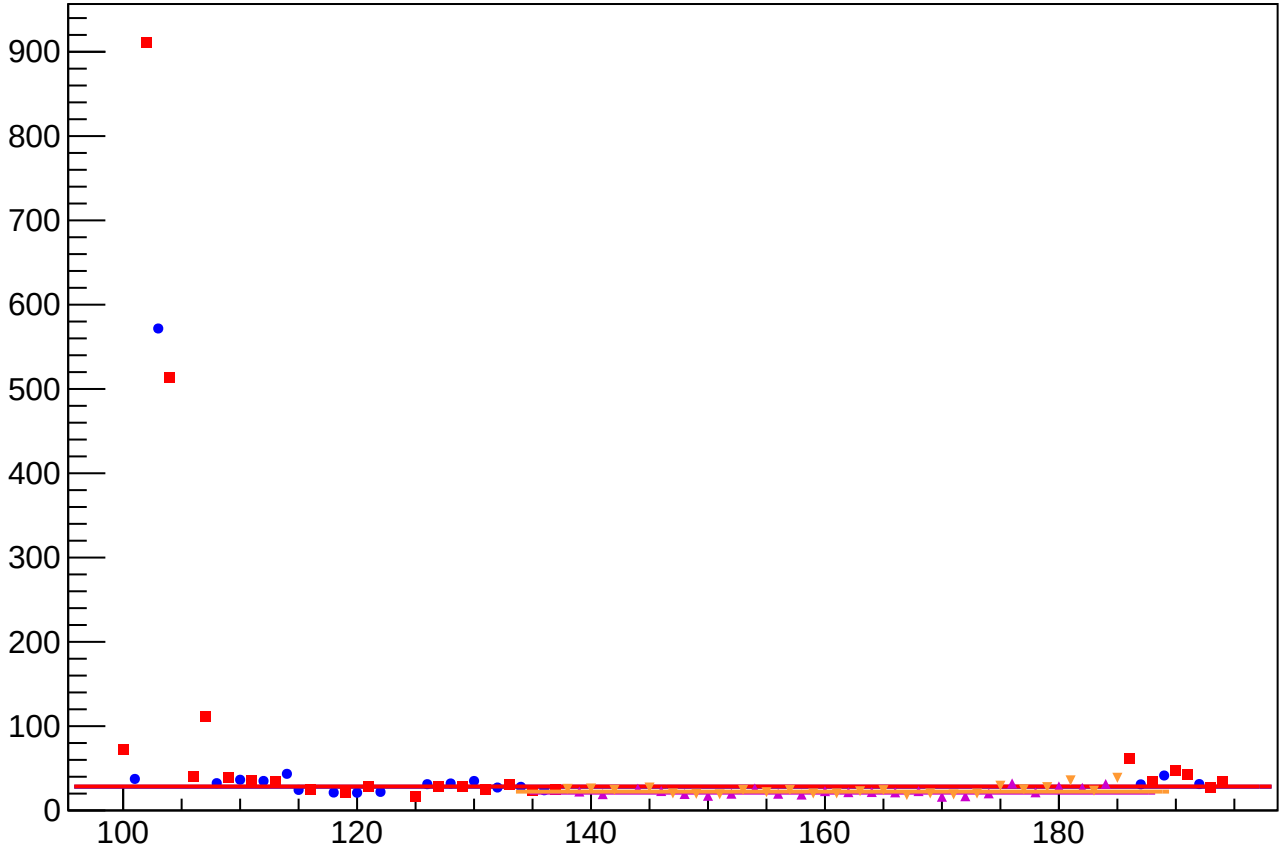
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 34.4/42

All: -0.001+/-0.003 χ^2/NDF: 71.6/89

- sign 0.003+/-0.005 χ^2/NDF: 35.5/46

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.138+/-0.008 χ^2/NDF: 1678500.5/18

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

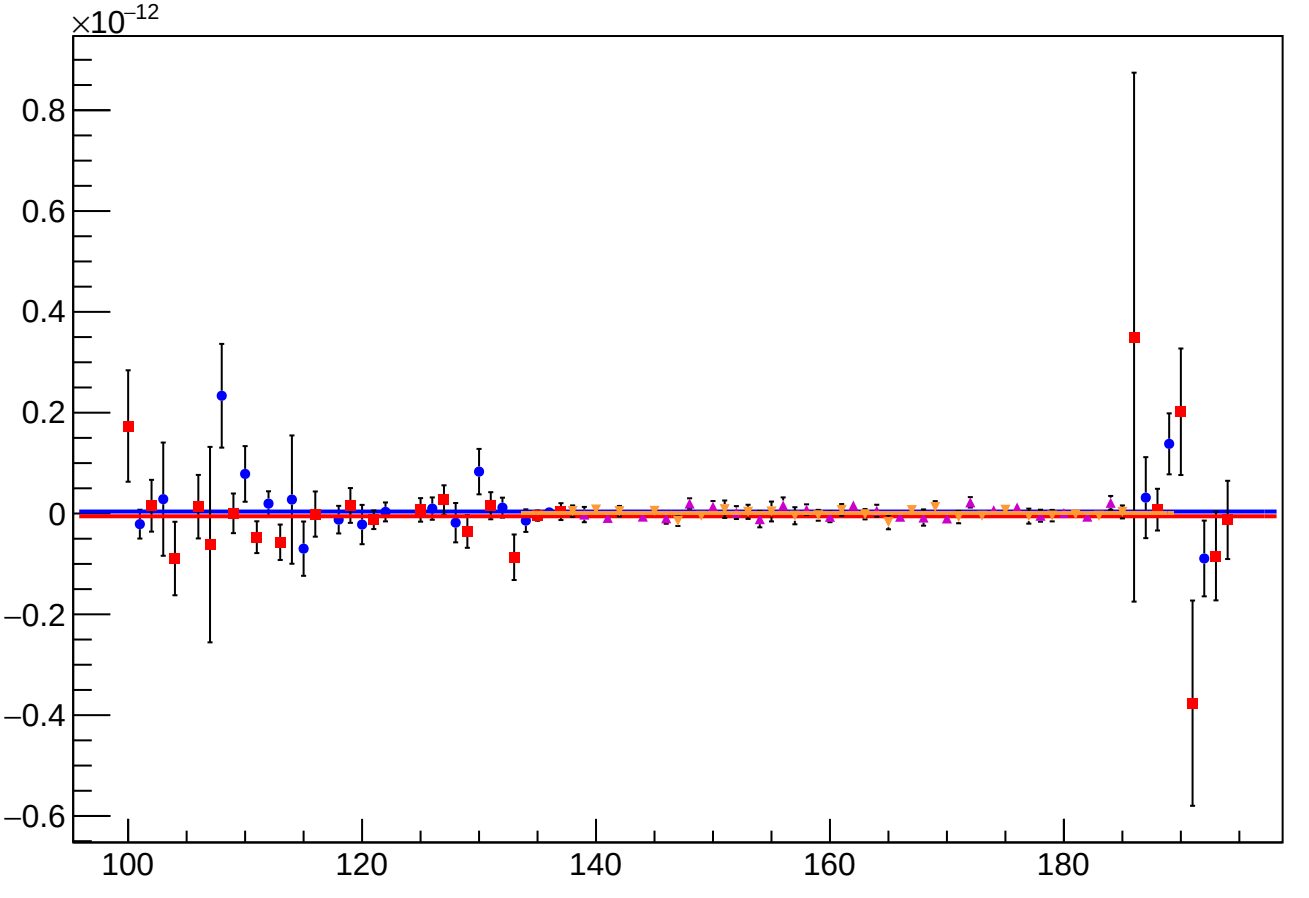
Right Out: 28.435+/-0.007 χ^2/NDF: 3129237.4/23

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.629+/-0.004 χ^2/NDF: 2950621.9/42

All: 23.166+/-0.002 χ^2/NDF: 7737704.1/89

- sign 22.740+/-0.003 χ^2/NDF: 4754409.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

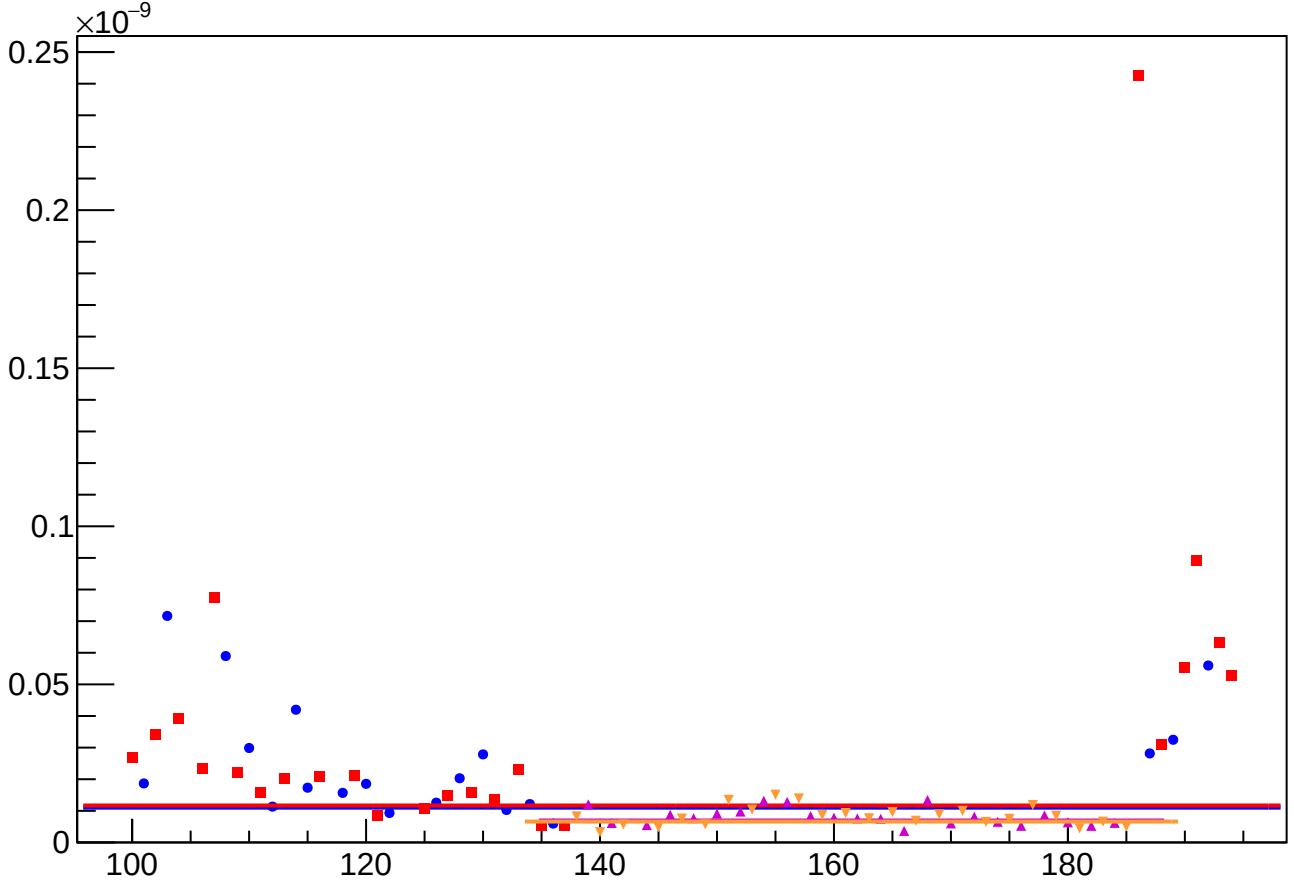
Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/23

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.5/42

All: 0.000+/-0.000 χ^2/NDF: 83.1/89

- sign 0.000+/-0.000 χ^2/NDF: 49.6/46



Right In: 0.000+/-0.000 χ^2/NDF: 3872245.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5443181.3/23

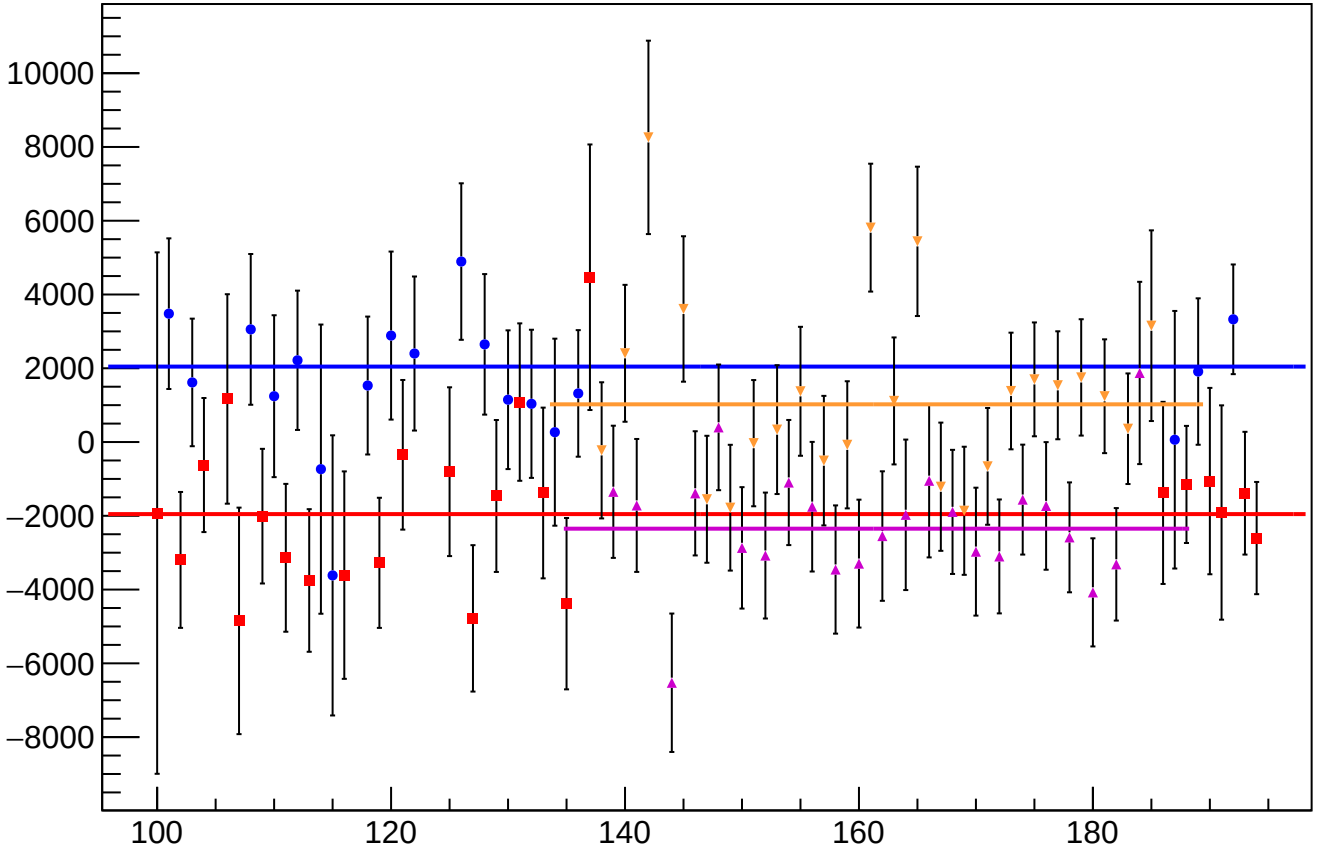
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8395269.5/42

All: 0.000+/-0.000 χ^2/NDF: 17321160.9/89

- sign 0.000+/-0.000 χ^2/NDF: 8892968.3/46

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: -1953.713+/-433.016 χ^2/NDF: 15.3/23

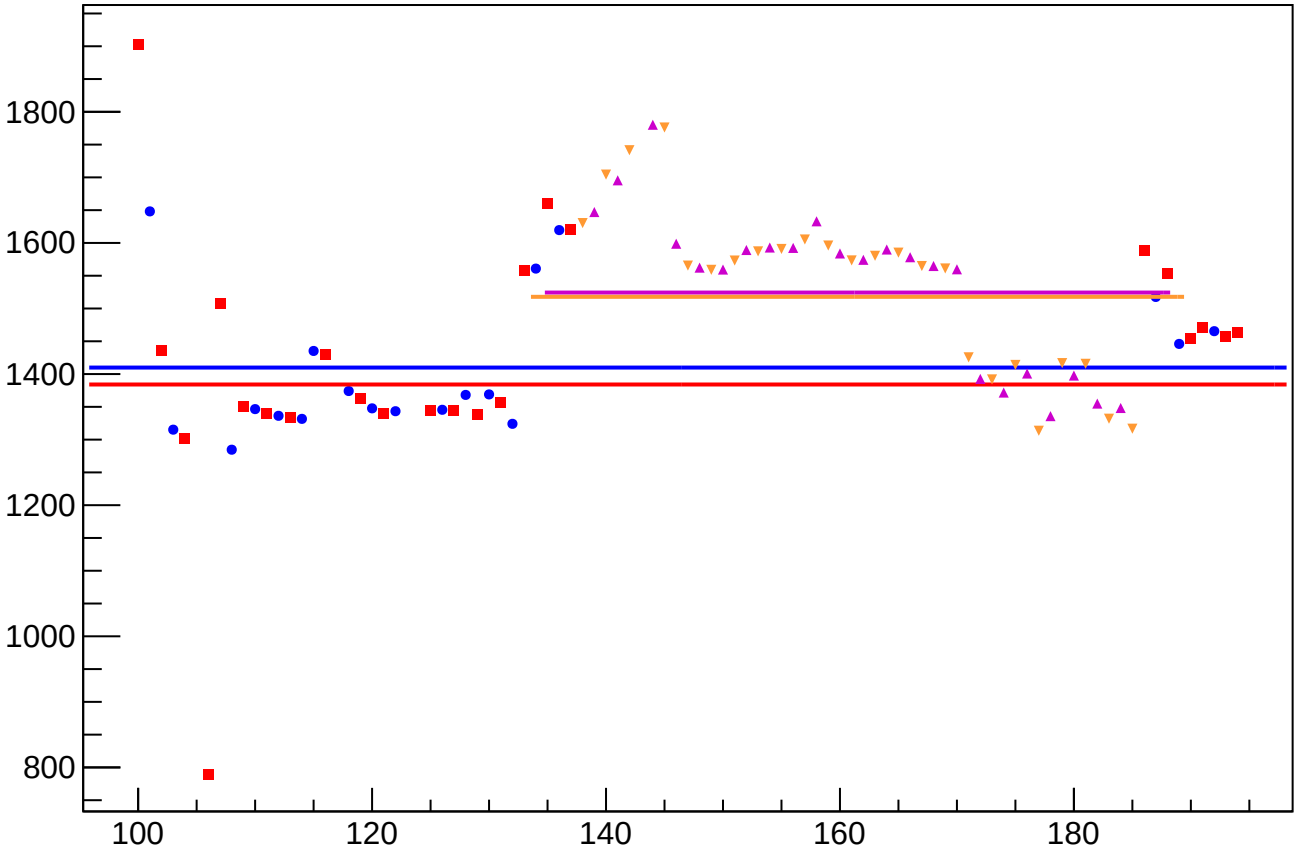
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1388.368+/-283.298 χ^2/NDF: 47.5/42

All: -450.379+/-197.502 χ^2/NDF: 161.2/89

- sign -2189.119+/-275.486 χ^2/NDF: 31.7/46

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

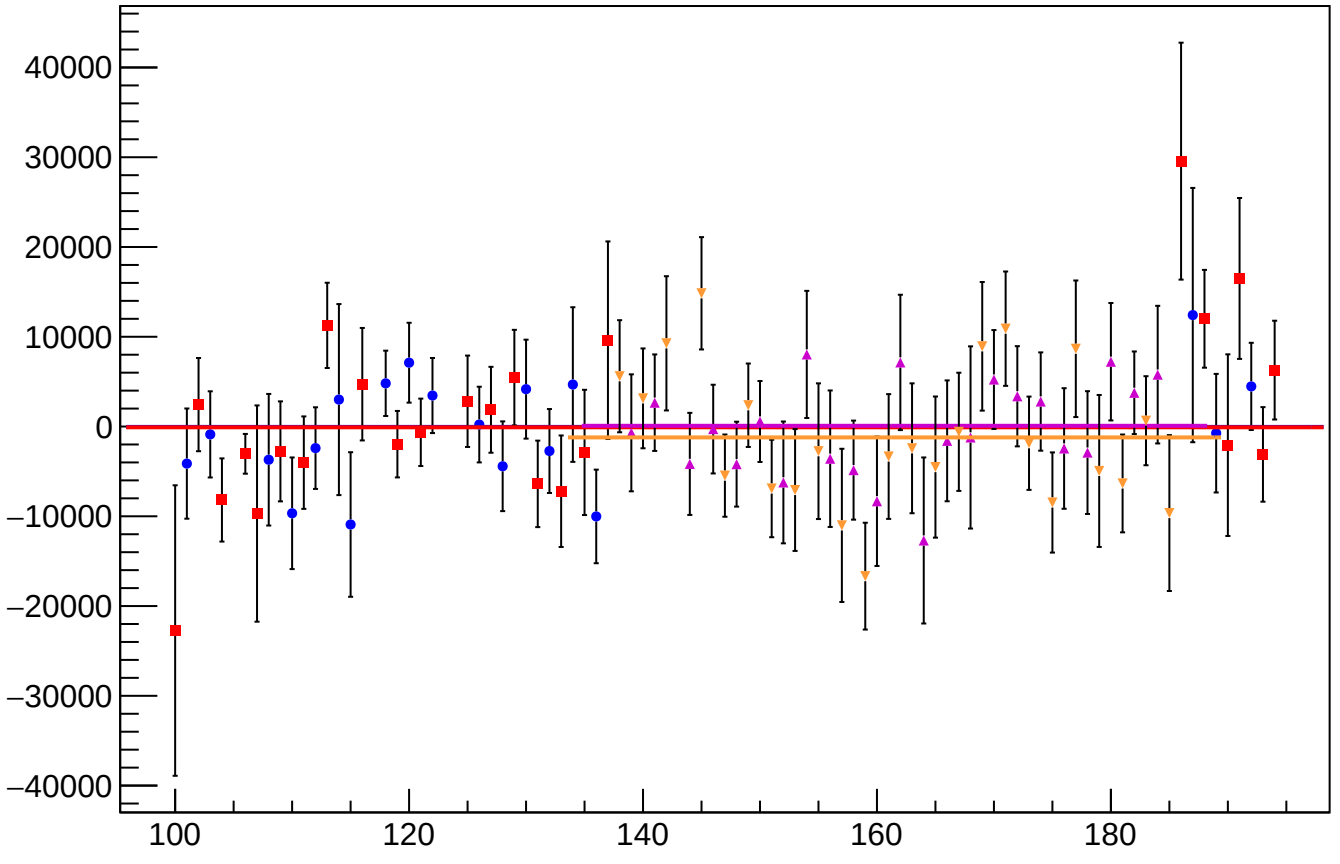
Right Out: 1384.080+/-0.299 χ^2/NDF: 383600.1/23

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1479.230+/-0.200 χ^2/NDF: 400897.3/42

All: 1472.391+/-0.139 χ^2/NDF: 1139253.2/89

- sign 1466.042+/-0.193 χ^2/NDF: 736108.4/46



Right In: -42.396+/-1225.576 χ^2/NDF: 17.6/18

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -85.483+/-1038.028 χ^2/NDF: 35.7/23

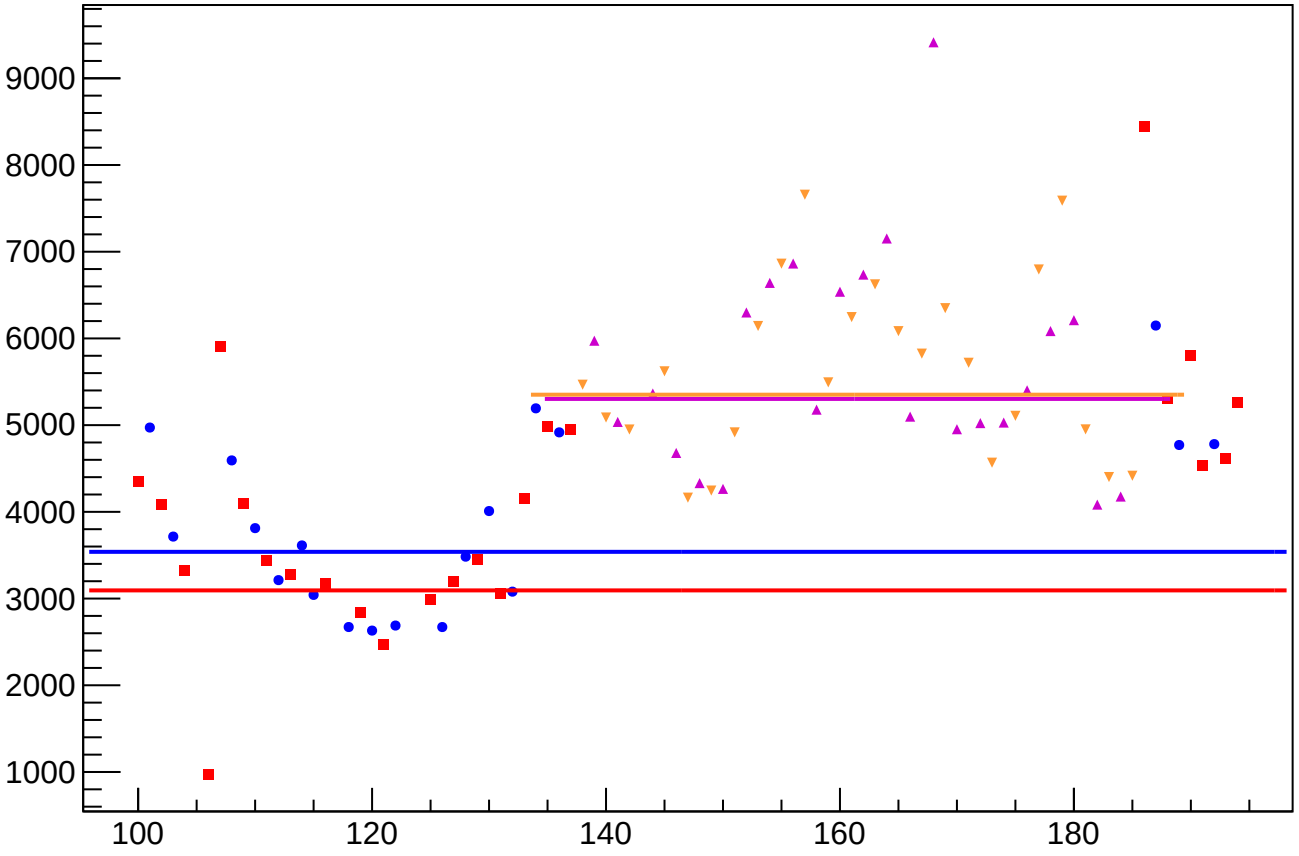
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -607.108+/-881.335 χ^2/NDF: 51.3/42

All: -285.245+/-593.280 χ^2/NDF: 100.5/89

- sign -18.537+/-802.275 χ^2/NDF: 48.9/46

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: 3094.197+/-0.734 χ^2/NDF: 3783879.9/23

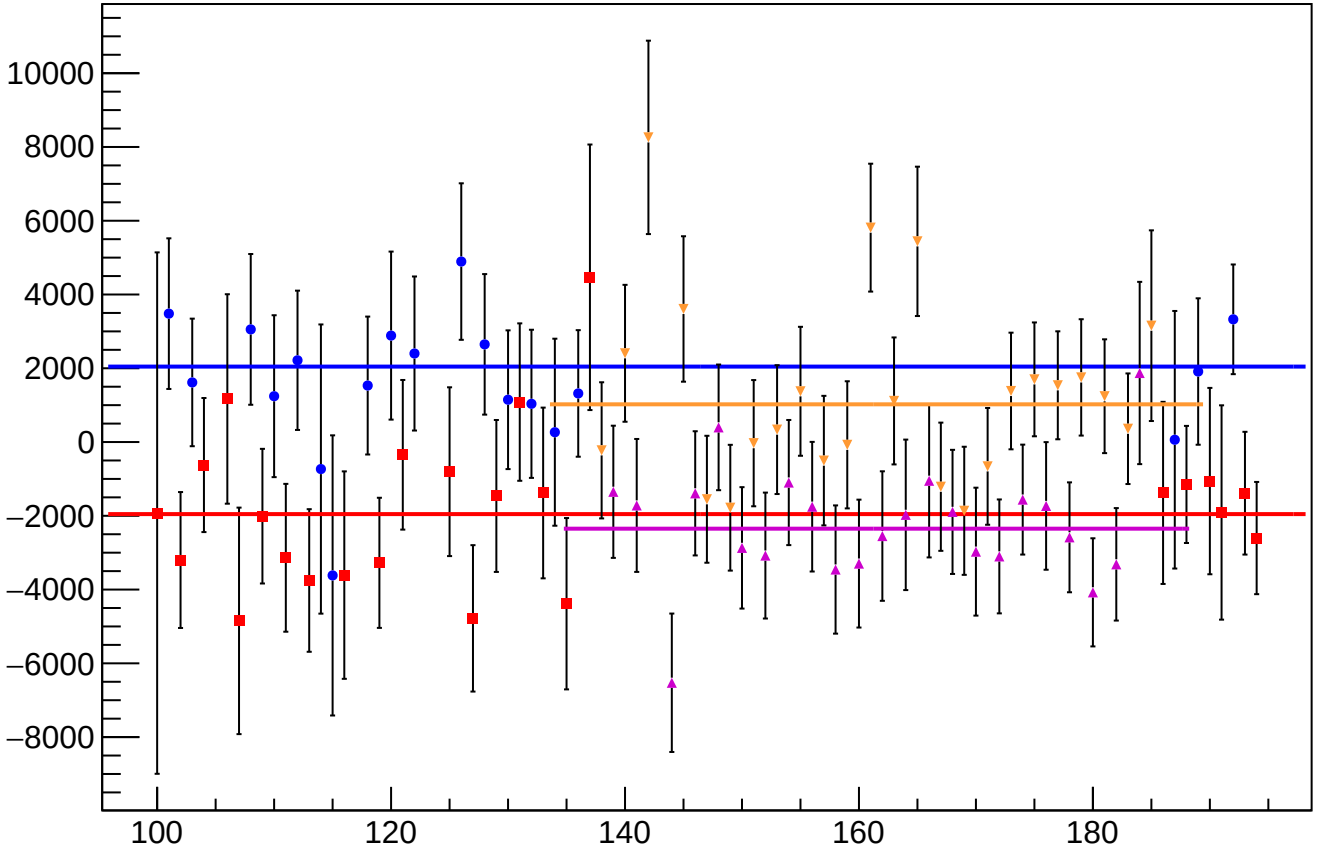
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4413.947+/-0.623 χ^2/NDF: 4232843.8/42

All: 4178.415+/-0.420 χ^2/NDF: 13177854.9/8

- sign 3983.244+/-0.567 χ^2/NDF: 8683809.5/46

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: -1953.831+/-433.018 χ^2/NDF: 15.3/23

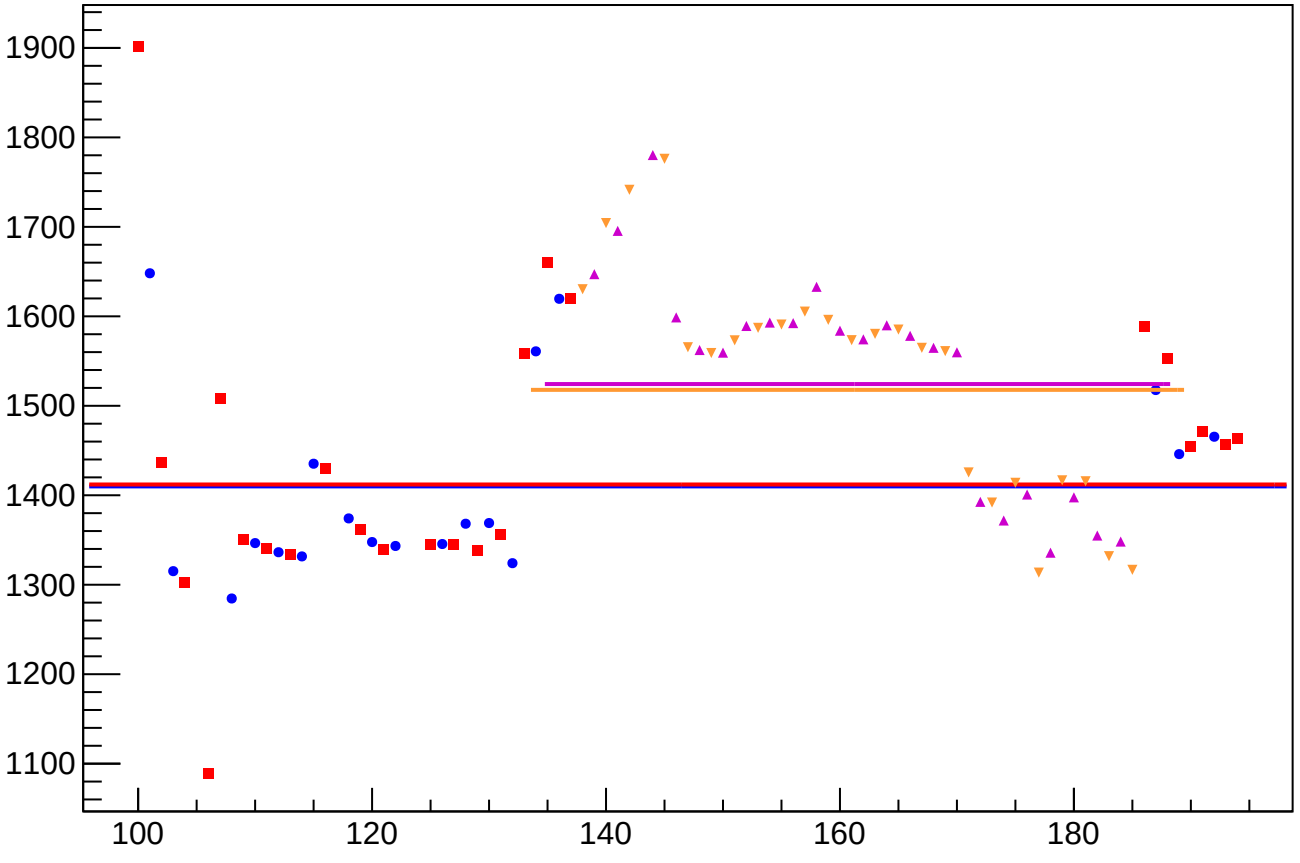
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1388.411+/-283.298 χ^2/NDF: 47.5/42

All: -450.379+/-197.502 χ^2/NDF: 161.2/89

- sign -2189.165+/-275.486 χ^2/NDF: 31.7/46

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

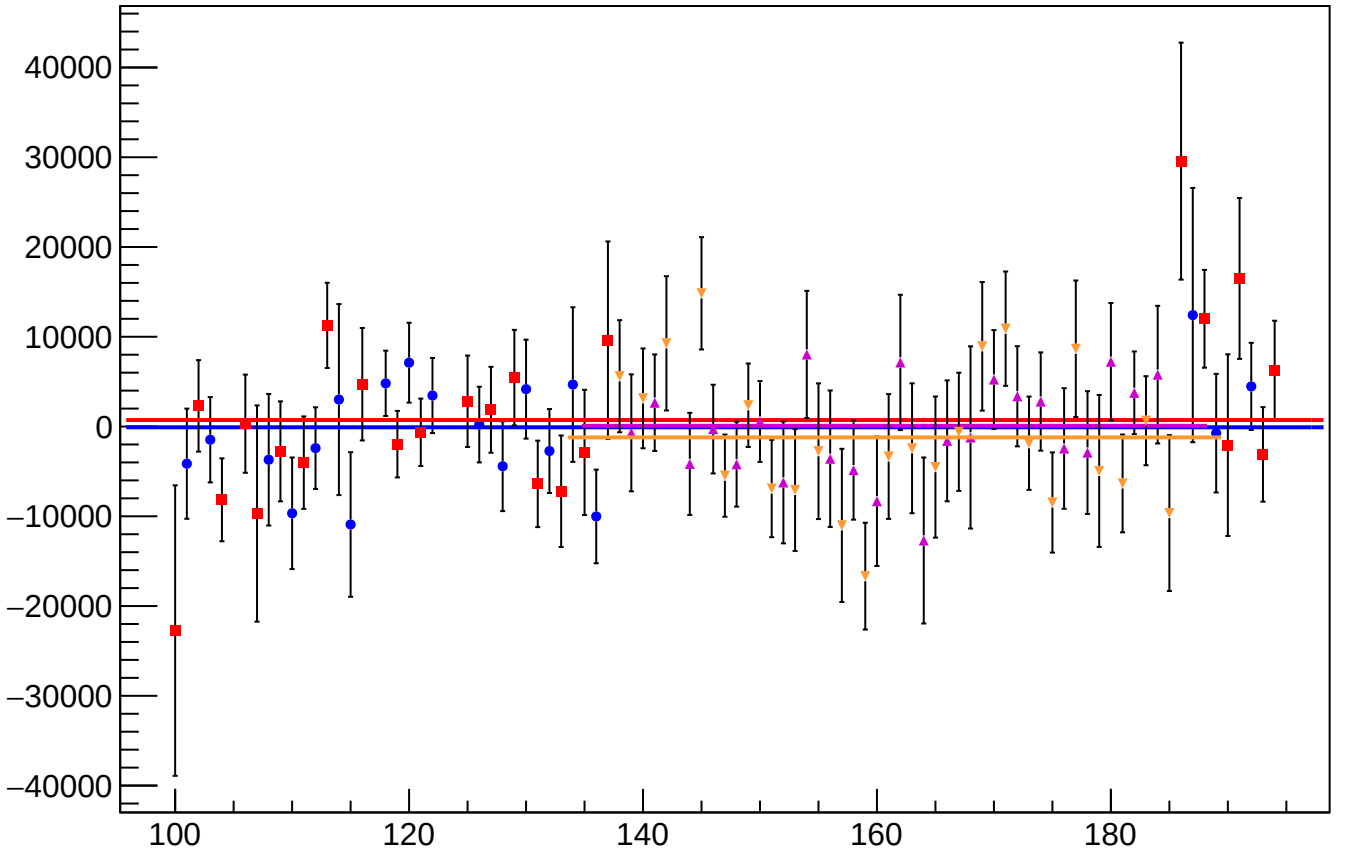
Right Out: 1412.043+/-0.303 χ^2/NDF: 154971.9/23

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1479.230+/-0.200 χ^2/NDF: 400897.4/42

All: 1478.784+/-0.139 χ^2/NDF: 861119.7/89

- sign 1478.367+/-0.194 χ^2/NDF: 460212.7/46



Right In: -83.560+/-1224.742 χ^2/NDF: 17.7/18

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 721.367+/-1147.615 χ^2/NDF: 33.4/23

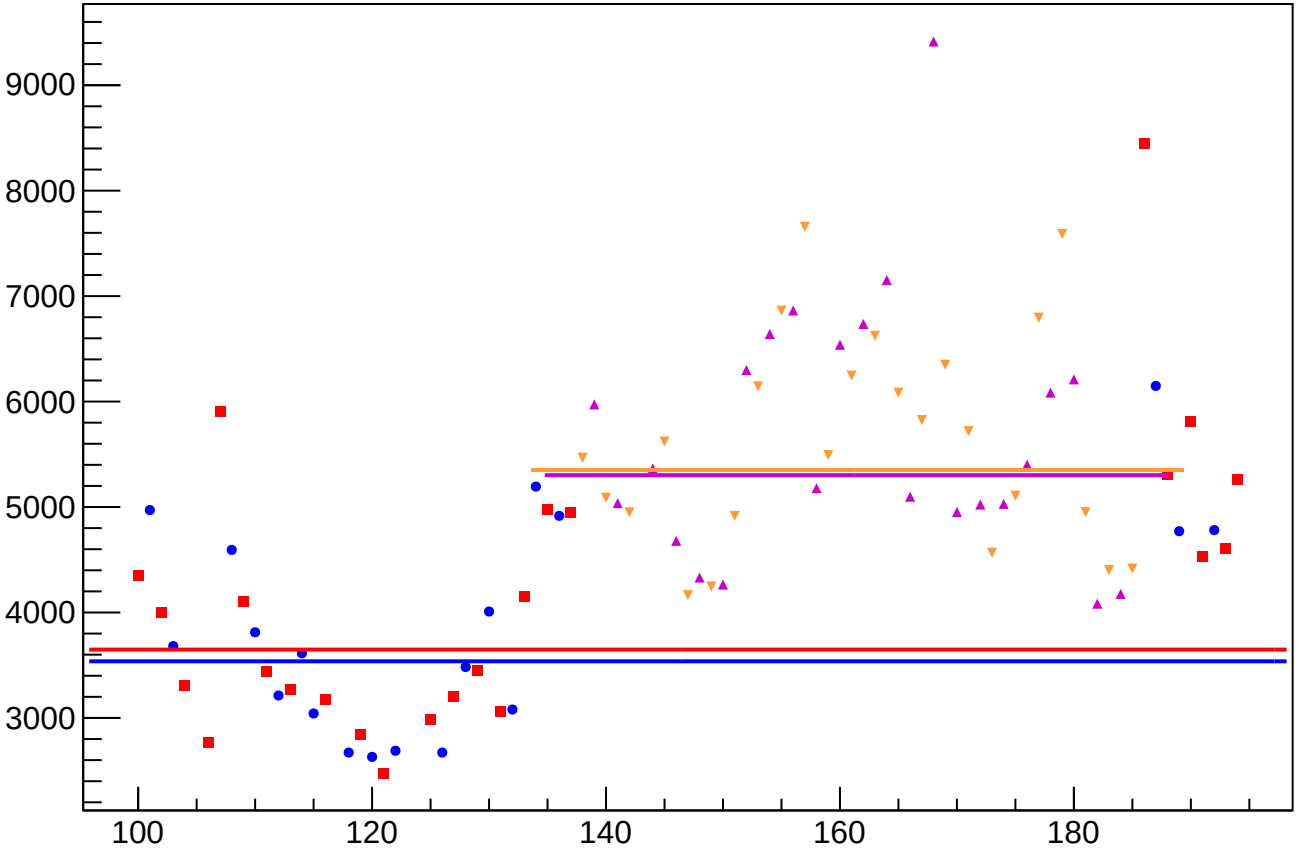
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -628.009+/-881.025 χ^2/NDF: 51.4/42

All: -78.884+/-611.625 χ^2/NDF: 98.9/89

- sign 431.957+/-849.759 χ^2/NDF: 46.8/46

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: 3647.969+/-0.811 χ^2/NDF: 1473366.7/23

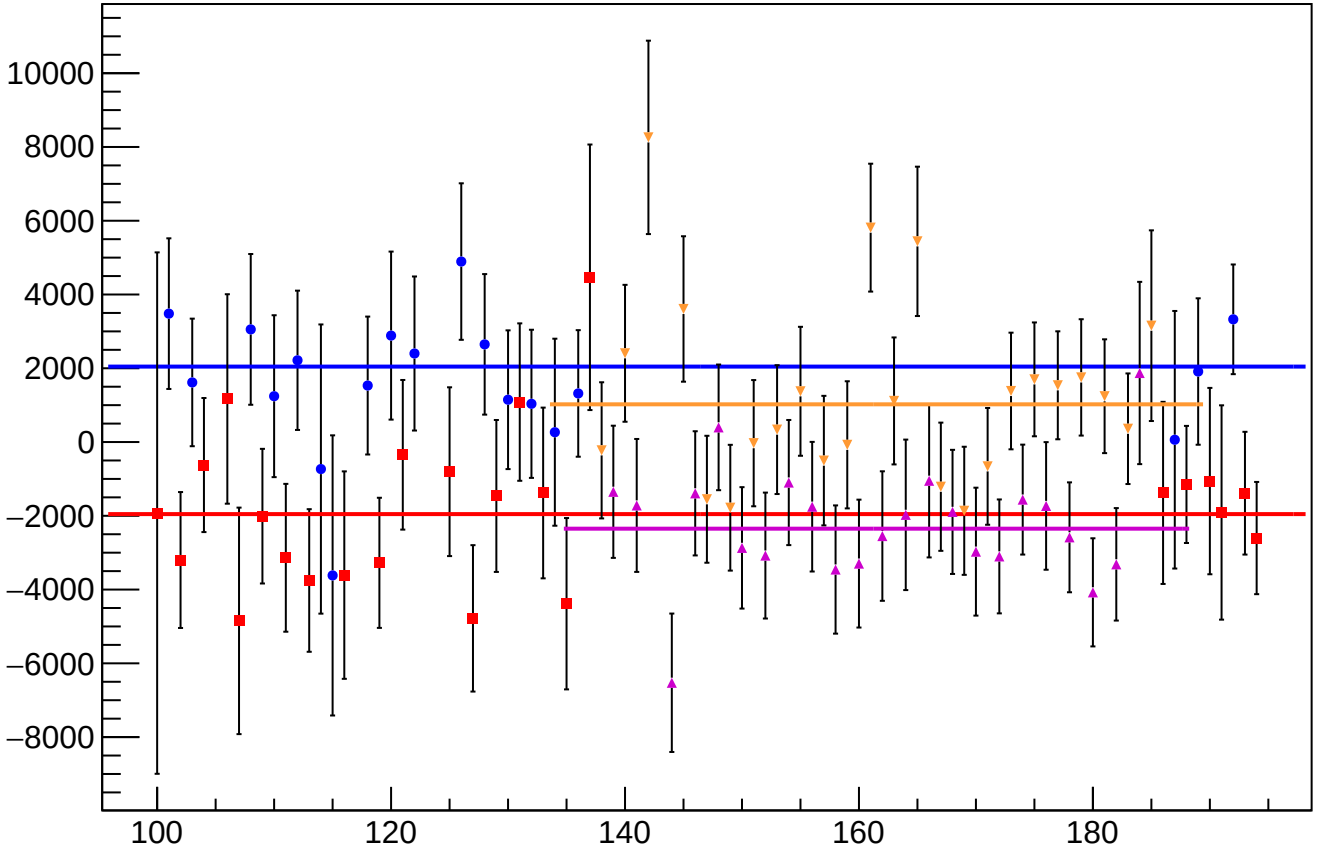
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4412.293+/-0.623 χ^2/NDF: 4237918.0/42

All: 4403.446+/-0.432 χ^2/NDF: 8845114.8/89

- sign 4395.215+/-0.601 χ^2/NDF: 4606807.5/46

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: -1953.831+/-433.018 χ^2/NDF: 15.3/23

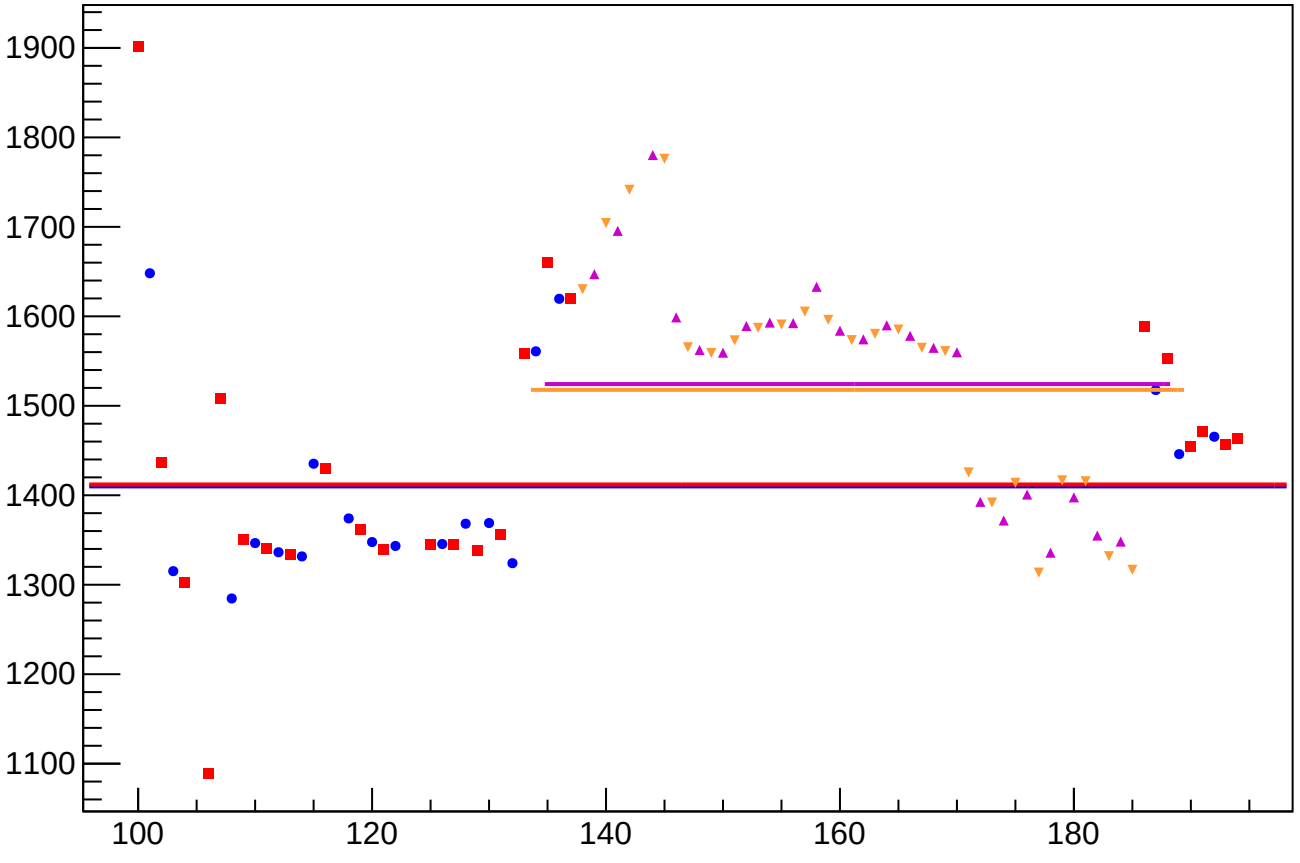
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1388.411+/-283.298 χ^2/NDF: 47.5/42

All: -450.379+/-197.502 χ^2/NDF: 161.2/89

- sign -2189.165+/-275.486 χ^2/NDF: 31.7/46

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

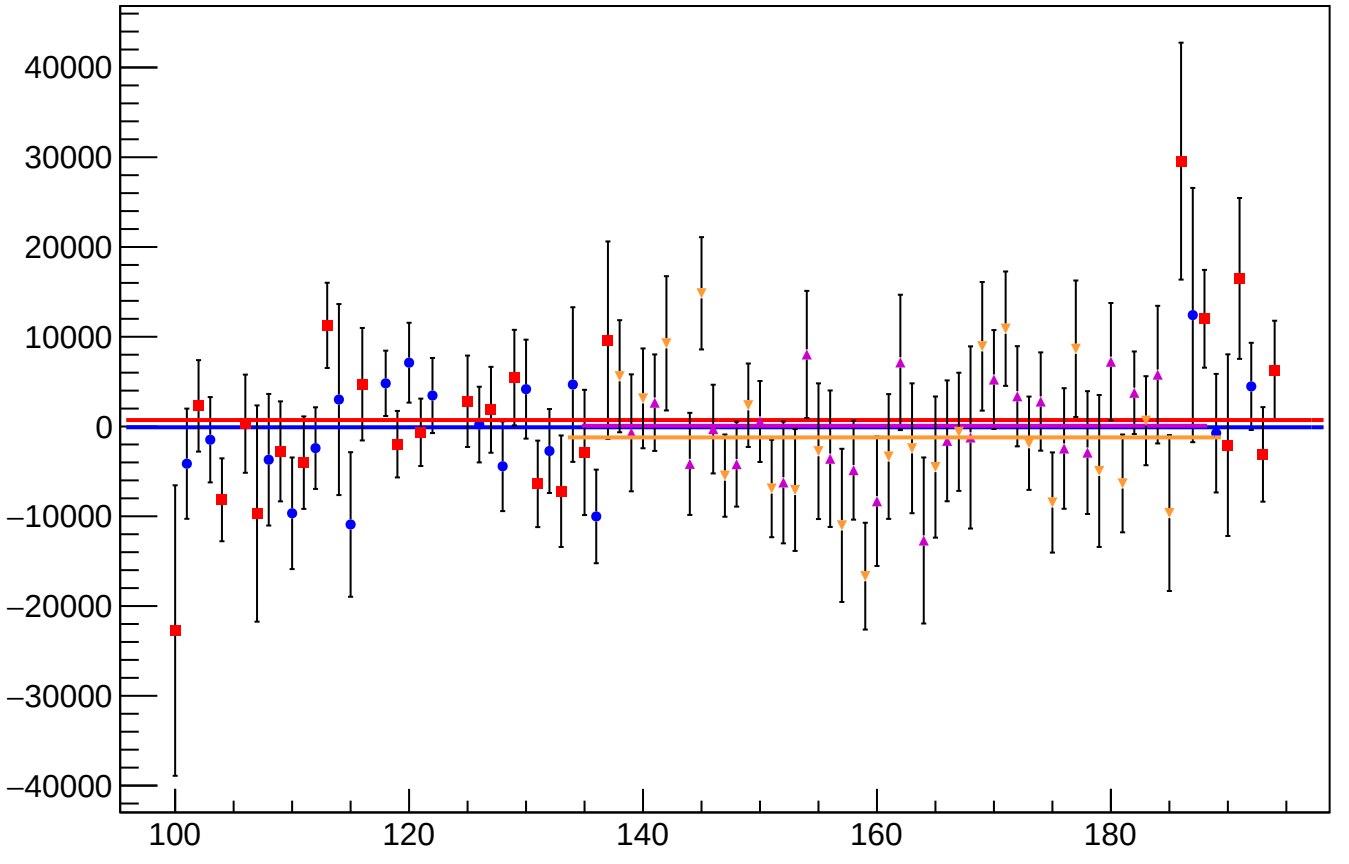
Right Out: 1412.043+/-0.303 χ^2/NDF: 154971.9/23

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1479.230+/-0.200 χ^2/NDF: 400897.4/42

All: 1478.784+/-0.139 χ^2/NDF: 861119.7/89

- sign 1478.367+/-0.194 χ^2/NDF: 460212.7/46



Right In: -83.560+/-1224.742 χ^2/NDF: 17.7/18

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

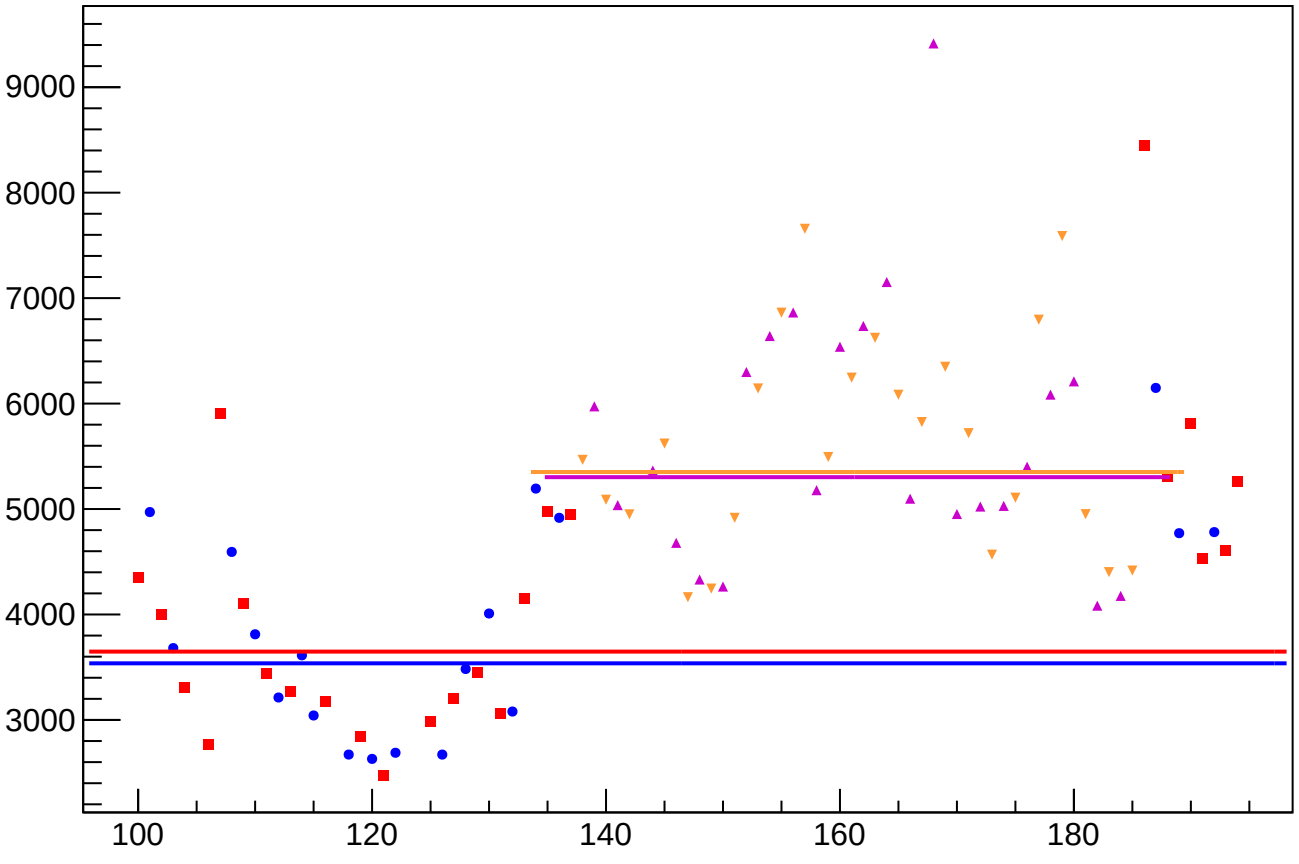
Right Out: 721.367+/-1147.615 χ^2/NDF: 33.4/23

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -628.009+/-881.025 χ^2/NDF: 51.4/42

All: -78.884+/-611.625 χ^2/NDF: 98.9/89

- sign 431.957+/-849.759 χ^2/NDF: 46.8/46



Right In: 3536.856+/-0.866 χ^2/NDF: 1054155.2/18

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3647.969+/-0.811 χ^2/NDF: 1473366.7/23

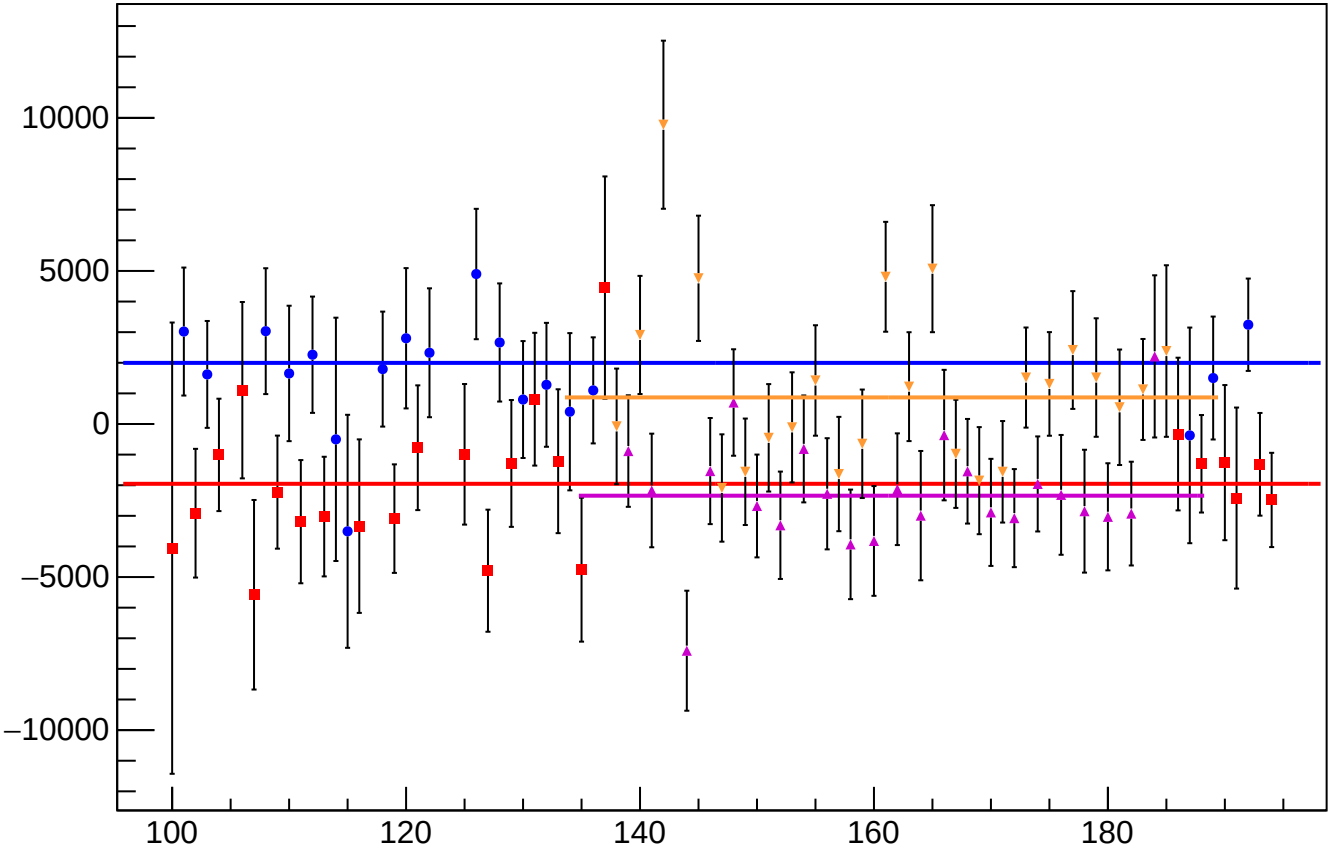
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4412.293+/-0.623 χ^2/NDF: 4237918.0/42

All: 4403.446+/-0.432 χ^2/NDF: 8845114.8/89

- sign 4395.215+/-0.601 χ^2/NDF: 4606807.5/46

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: -1953.704+/-439.439 χ^2/NDF: 14.3/23

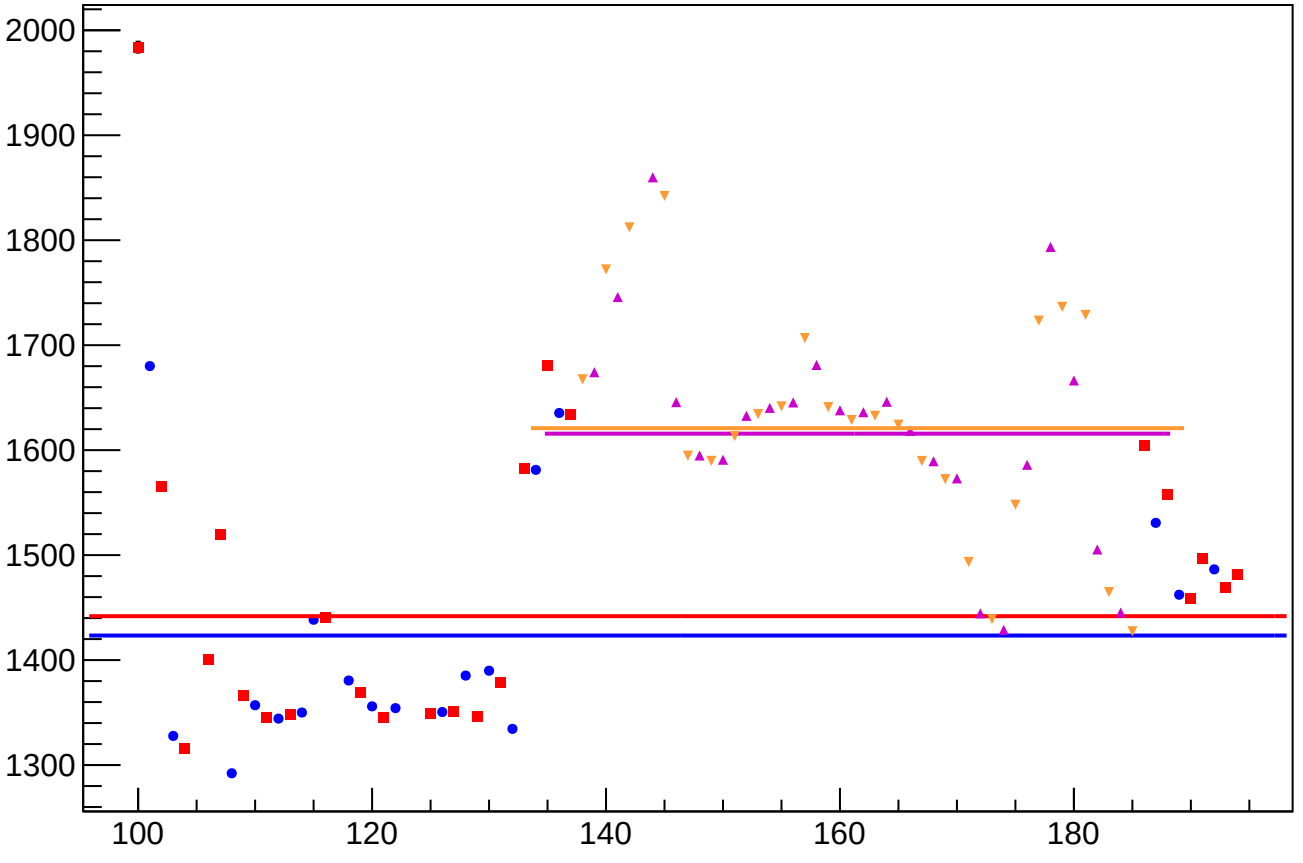
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1300.734+/-296.223 χ^2/NDF: 50.7/42

All: -495.431+/-205.981 χ^2/NDF: 154.7/89

- sign -2176.989+/-286.617 χ^2/NDF: 32.7/46

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: 1441.835+/-0.310 χ^2/NDF: 117808.6/23

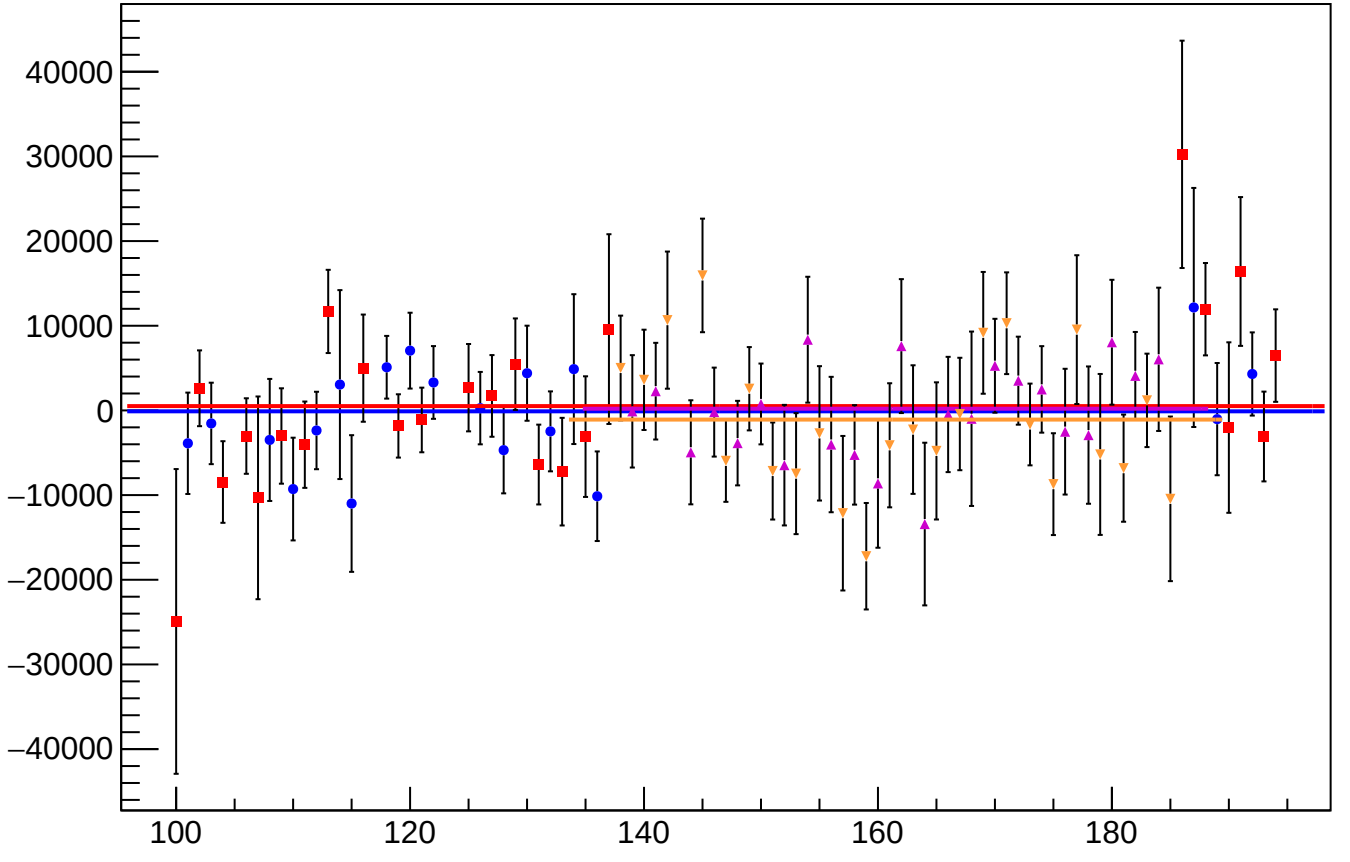
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1545.238+/-0.209 χ^2/NDF: 458685.5/42

All: 1543.348+/-0.146 χ^2/NDF: 894075.1/89

- sign 1541.582+/-0.203 χ^2/NDF: 435232.2/46

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: 509.630+/-1137.261 χ^2/NDF: 34.5/23

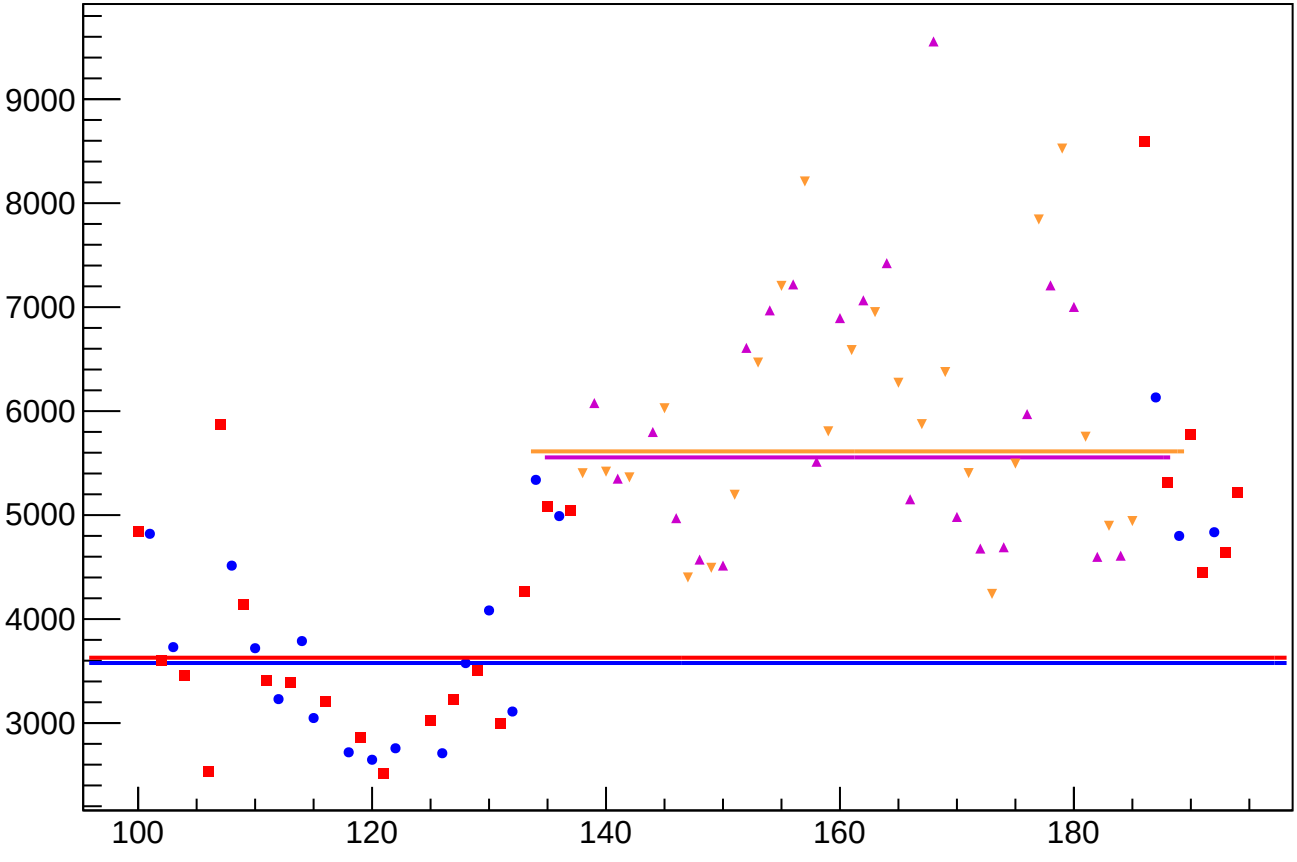
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -558.554+/-906.703 χ^2/NDF: 50.7/42

All: -66.735+/-625.226 χ^2/NDF: 98.7/89

- sign 379.125+/-863.299 χ^2/NDF: 47.4/46

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: 3628.574+/-0.804 χ^2/NDF: 1517110.9/23

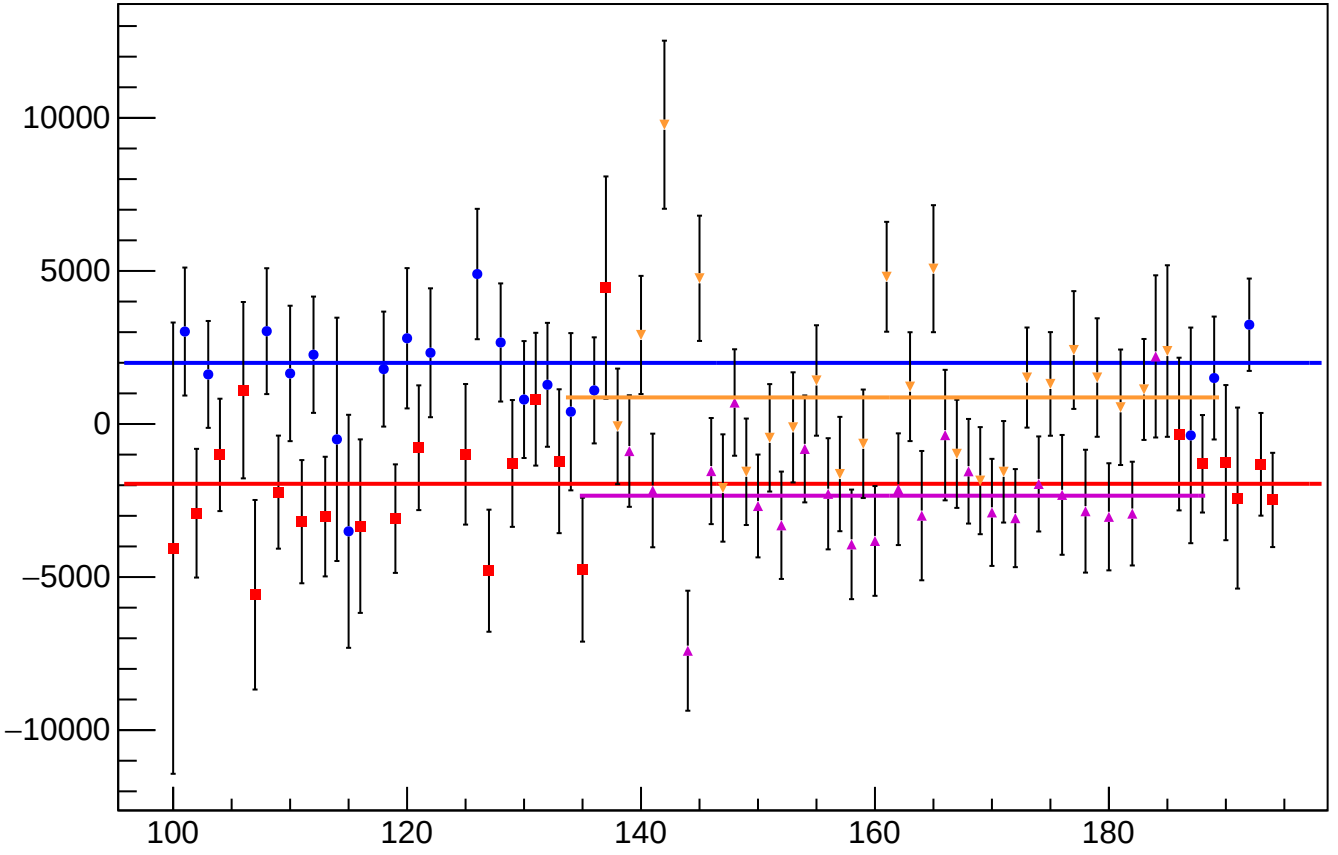
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

\+ sign 4520.011+/-0.641 χ^2/NDF: 4708727.4/42

All: 4480.609+/-0.442 χ^2/NDF: 9997669.5/89

\- sign 4444.889+/-0.610 χ^2/NDF: 5281741.3/46

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: -1953.703+/-439.439 χ^2/NDF: 14.3/23

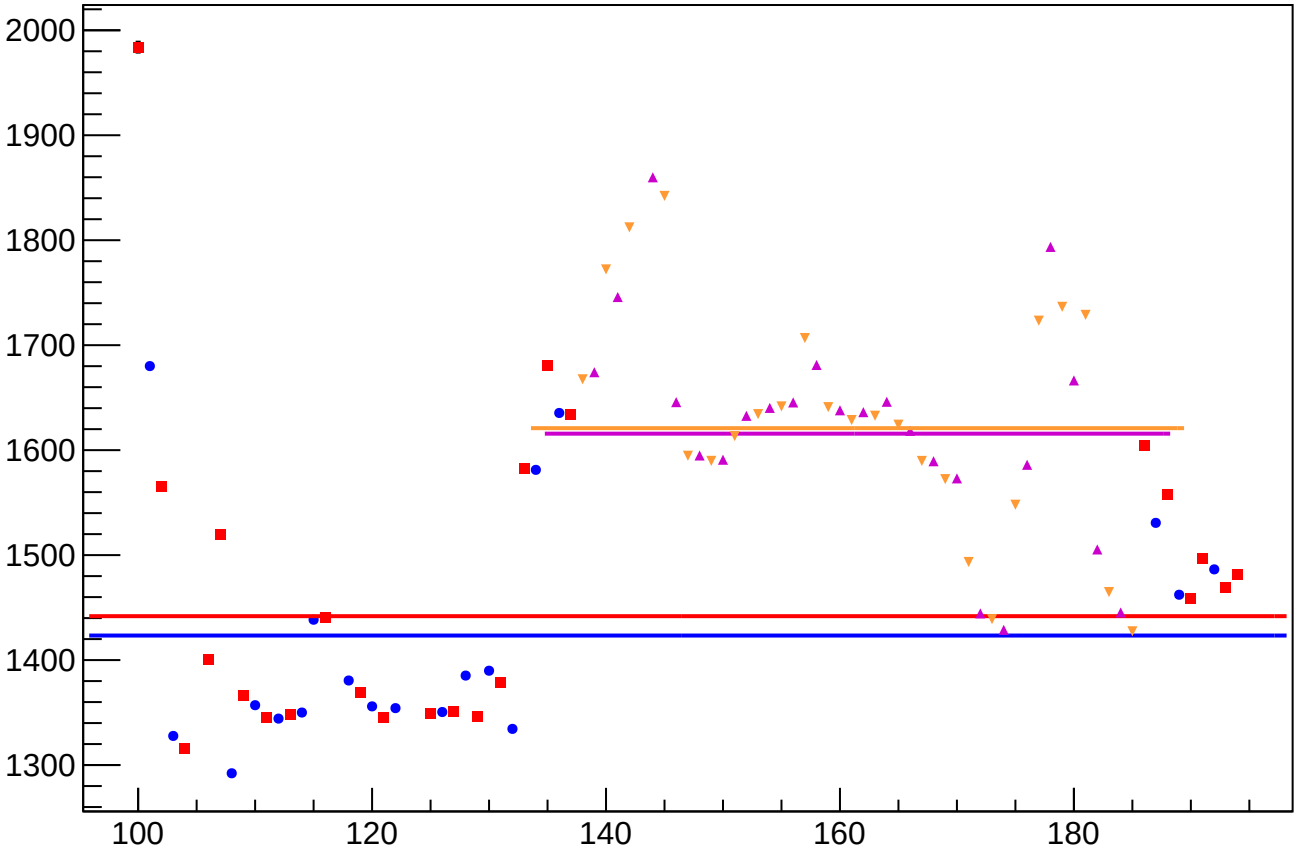
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1300.731+/-296.223 χ^2/NDF: 50.7/42

All: -495.432+/-205.981 χ^2/NDF: 154.7/89

- sign -2176.989+/-286.617 χ^2/NDF: 32.7/46

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

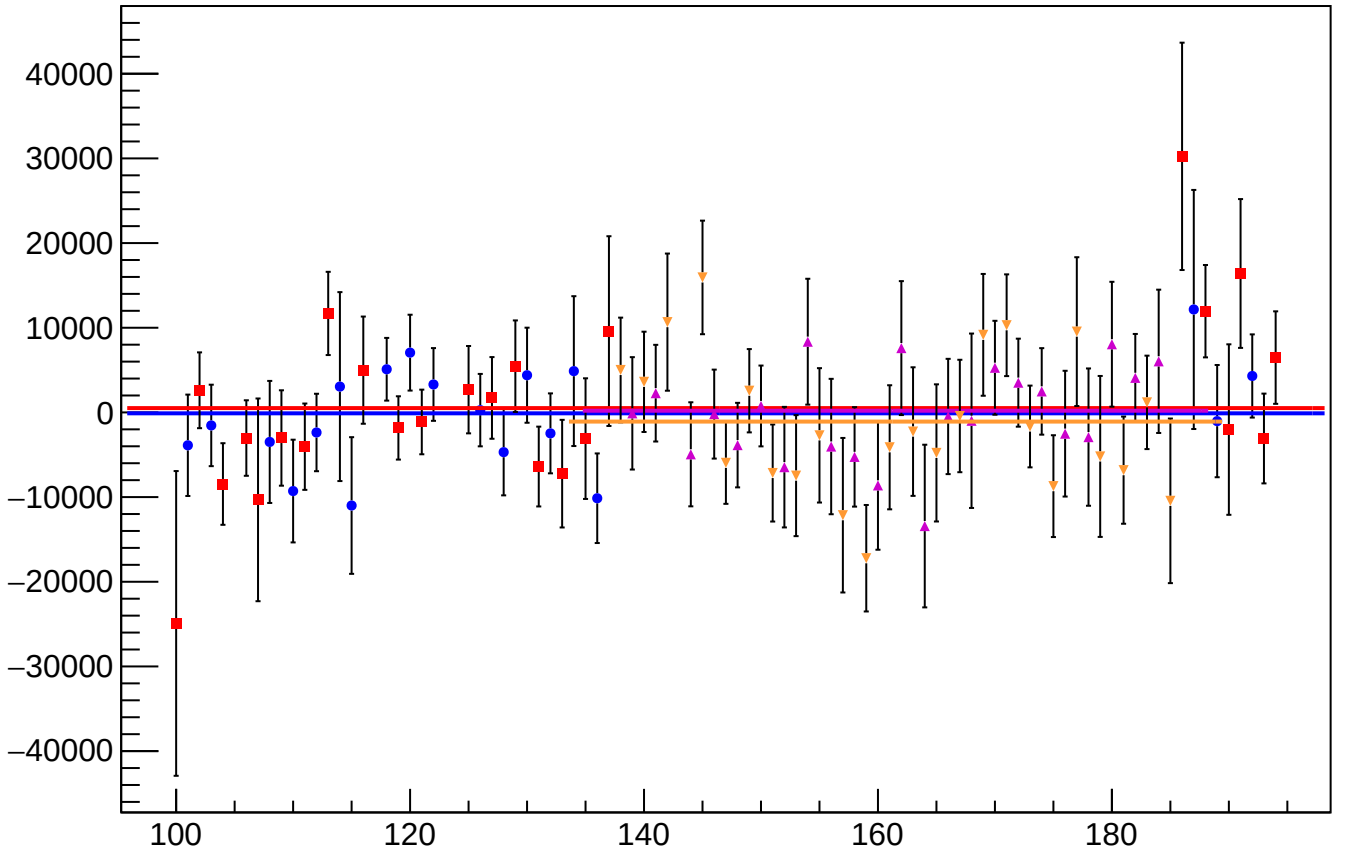
Right Out: 1441.835+/-0.310 χ^2/NDF: 117808.7/23

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1545.239+/-0.209 χ^2/NDF: 458692.8/42

All: 1543.349+/-0.146 χ^2/NDF: 894090.1/89

- sign 1541.583+/-0.203 χ^2/NDF: 435239.8/46



Right In: -106.887+/-1237.400 χ^2/NDF: 17.5/18

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: 509.623+/-1137.259 χ^2/NDF: 34.5/23

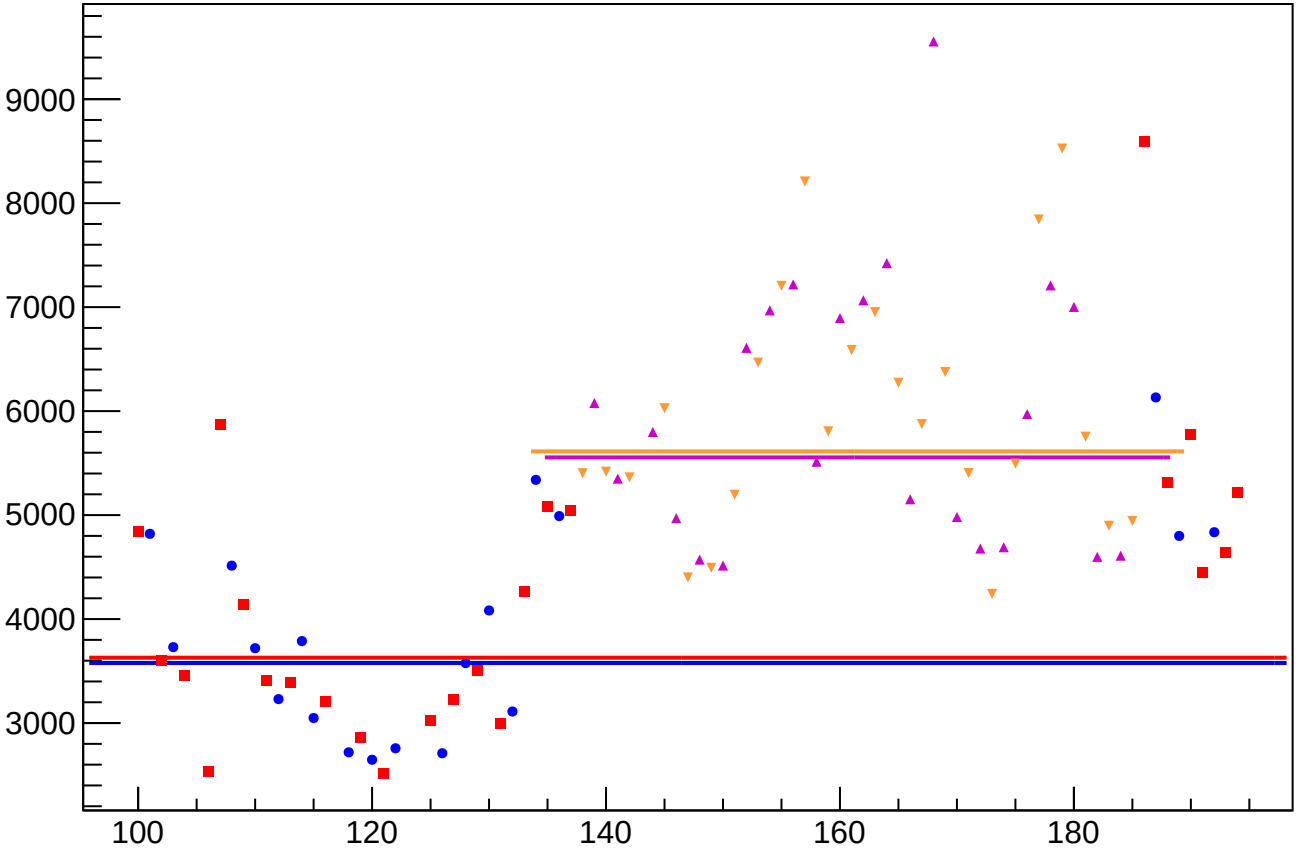
Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

+ sign -558.554+/-906.702 χ^2/NDF: 50.7/42

All: -66.736+/-625.226 χ^2/NDF: 98.7/89

- sign 379.122+/-863.299 χ^2/NDF: 47.4/46

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug



Right In: 3577.546+/-0.875 χ^2/NDF: 1015270.4/18

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3628.565+/-0.804 χ^2/NDF: 1517127.0/23

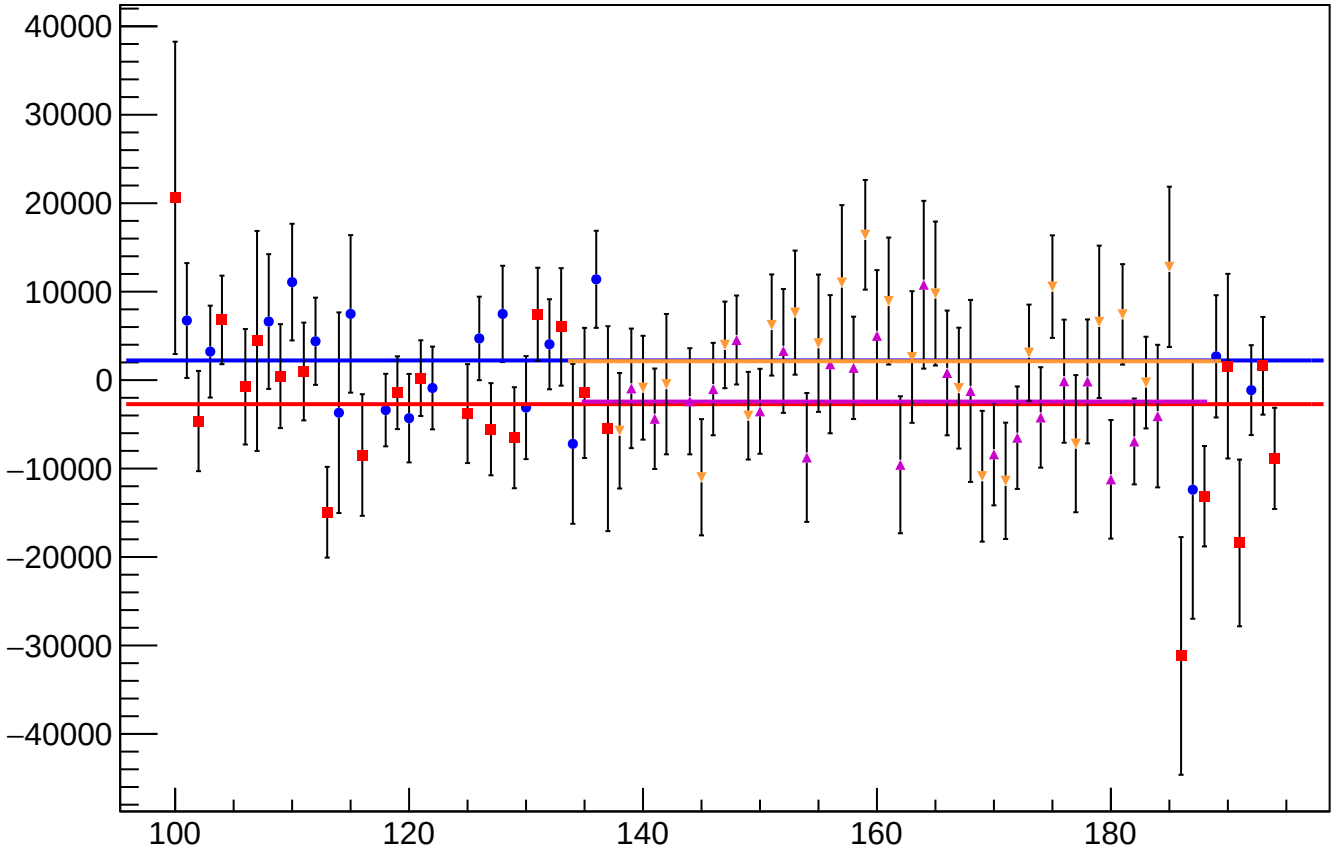
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4520.005+/-0.641 χ^2/NDF: 4708792.6/42

All: 4480.603+/-0.442 χ^2/NDF: 9997796.1/89

- sign 4444.884+/-0.610 χ^2/NDF: 5281802.8/46

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: -2718.206+/-1246.803 χ^2/NDF: 32.4/23

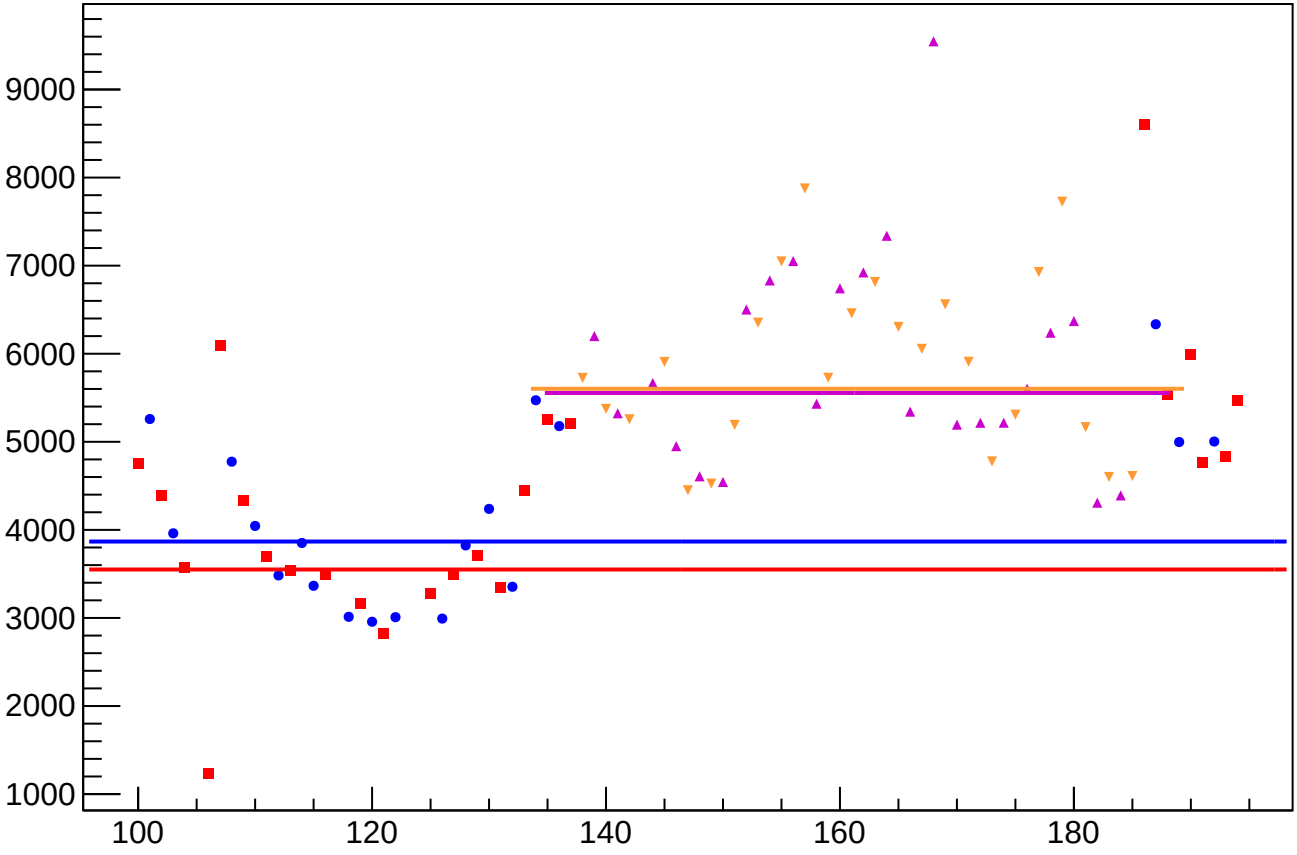
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2179.829+/-938.935 χ^2/NDF: 45.7/42

All: -283.861+/-652.249 χ^2/NDF: 104.3/89

- sign -2581.518+/-906.745 χ^2/NDF: 45.3/46

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

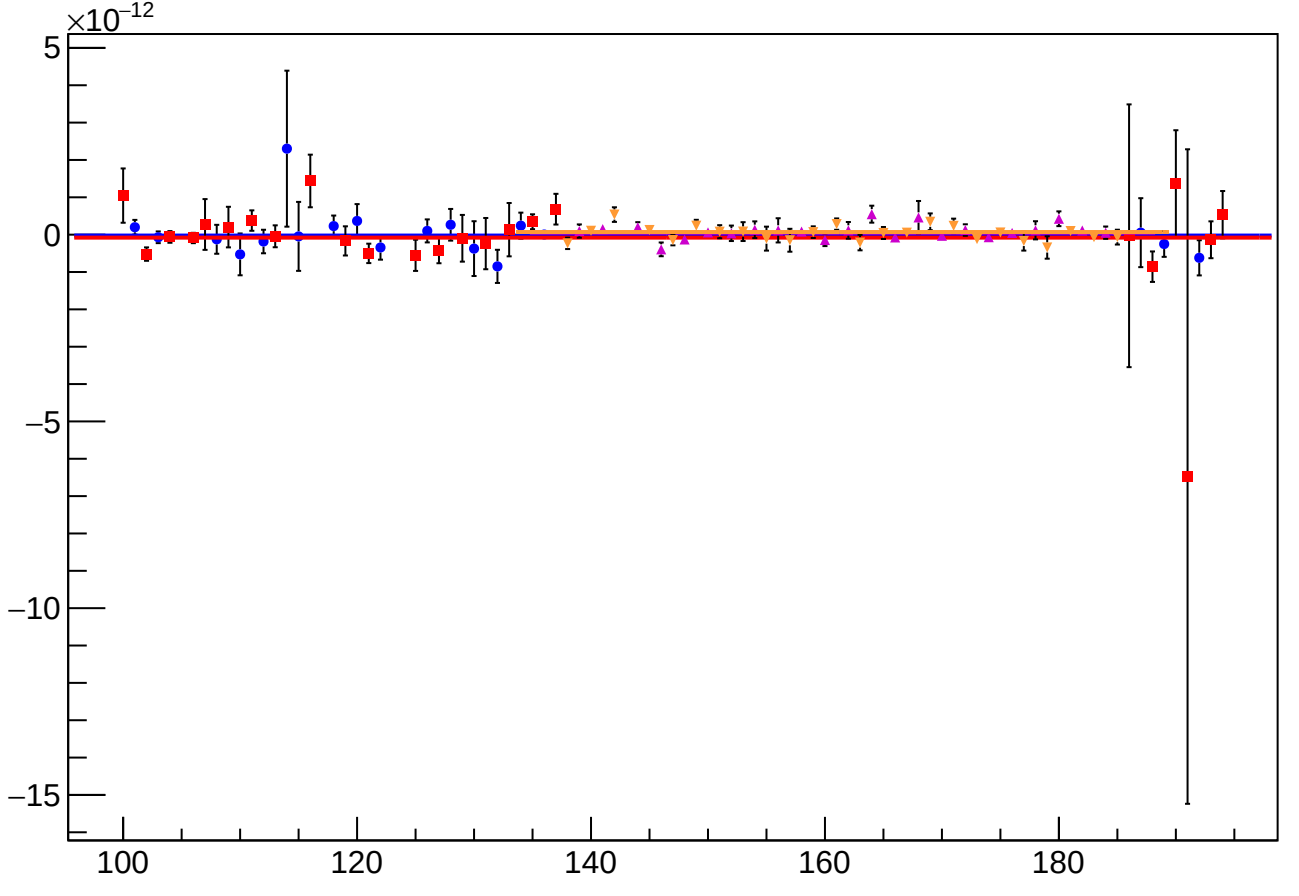
Right Out: 3550.332+/-0.820 χ^2/NDF: 2778135.2/23

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4739.510+/-0.664 χ^2/NDF: 3493099.4/42

All: 4569.085+/-0.452 χ^2/NDF: 10104863.5/8

- sign 4422.271+/-0.616 χ^2/NDF: 6489111.4/46



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

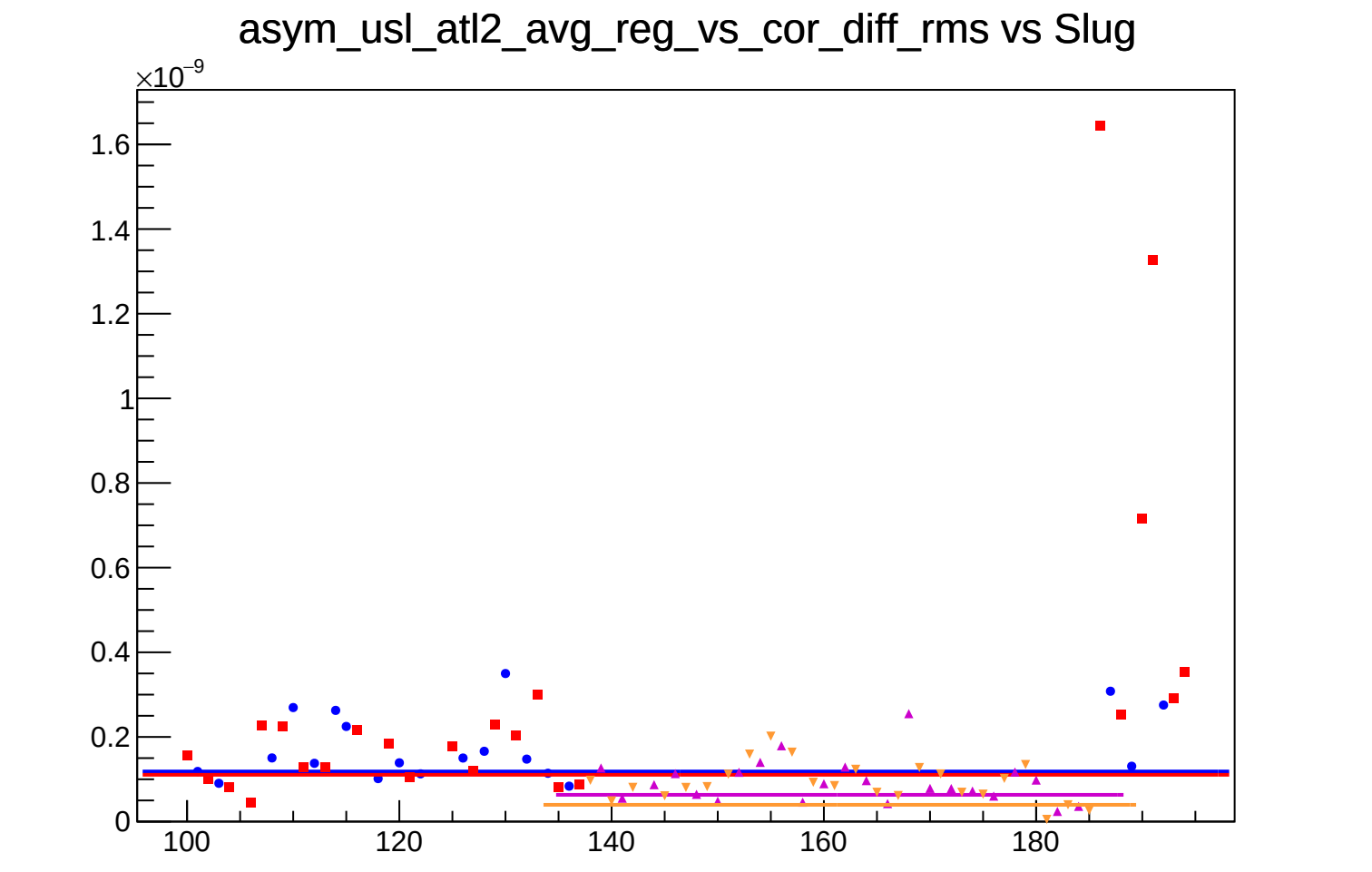
Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/23

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.3/42

All: 0.000+/-0.000 χ^2/NDF: 108.7/89

- sign 0.000+/-0.000 χ^2/NDF: 64.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 975596.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2746381.5/23

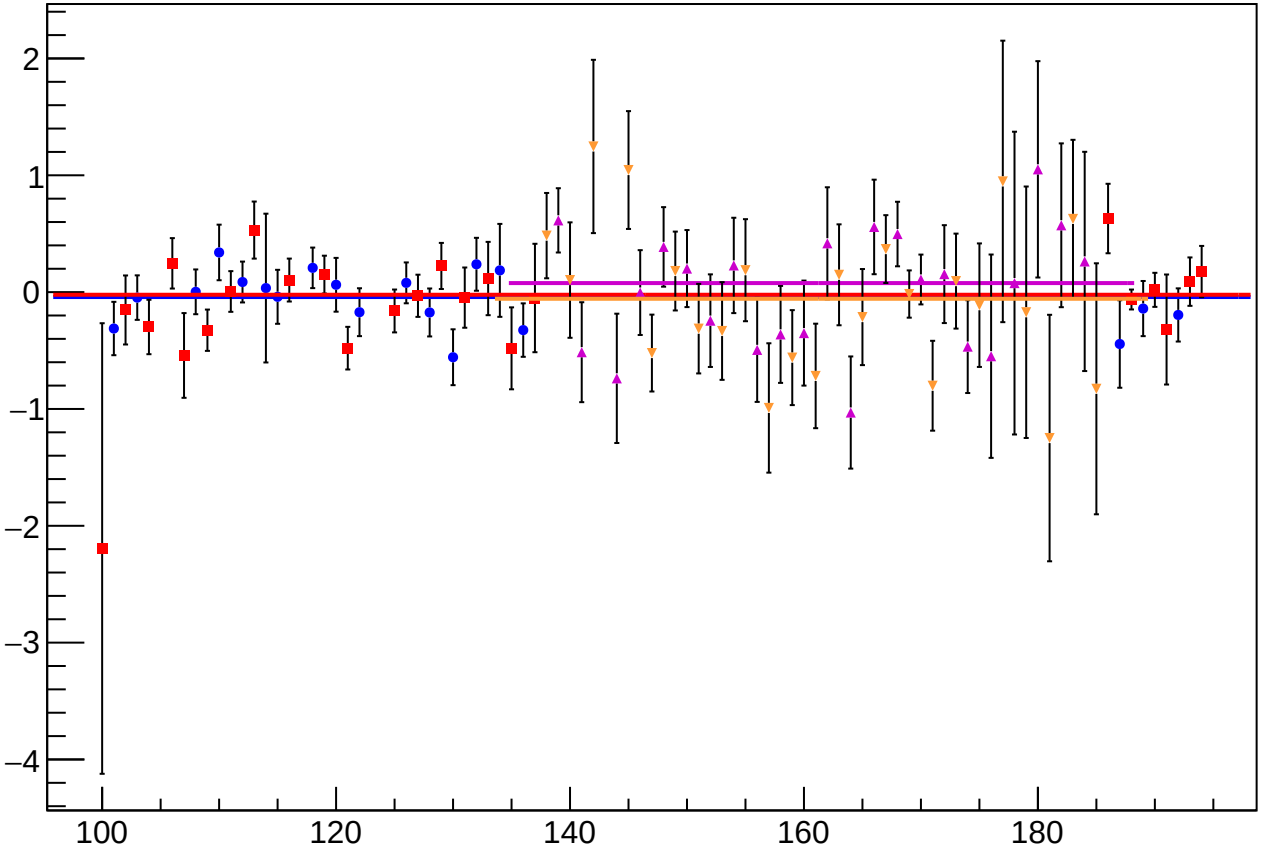
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10354926.1/42

All: 0.000+/-0.000 χ^2/NDF: 17972219.4/89

- sign 0.000+/-0.000 χ^2/NDF: 6591401.0/46

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

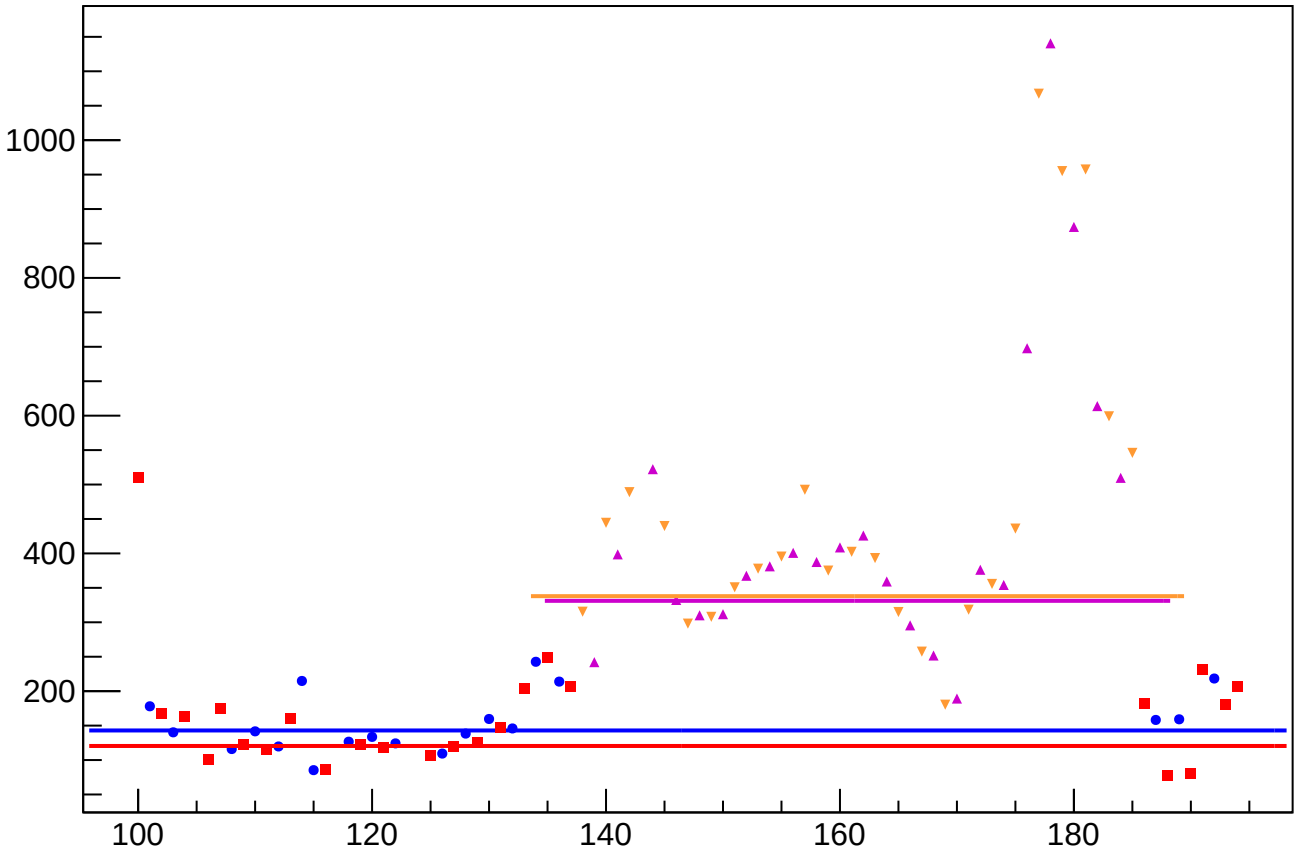
Right Out: -0.022+/-0.041 χ^2/NDF: 33.2/23

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 48.4/42

All: -0.021+/-0.028 χ^2/NDF: 110.3/89

- sign -0.003+/-0.036 χ^2/NDF: 61.3/46



Right In: 142.944+/-0.036 χ^2/NDF: 945481.0/18

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

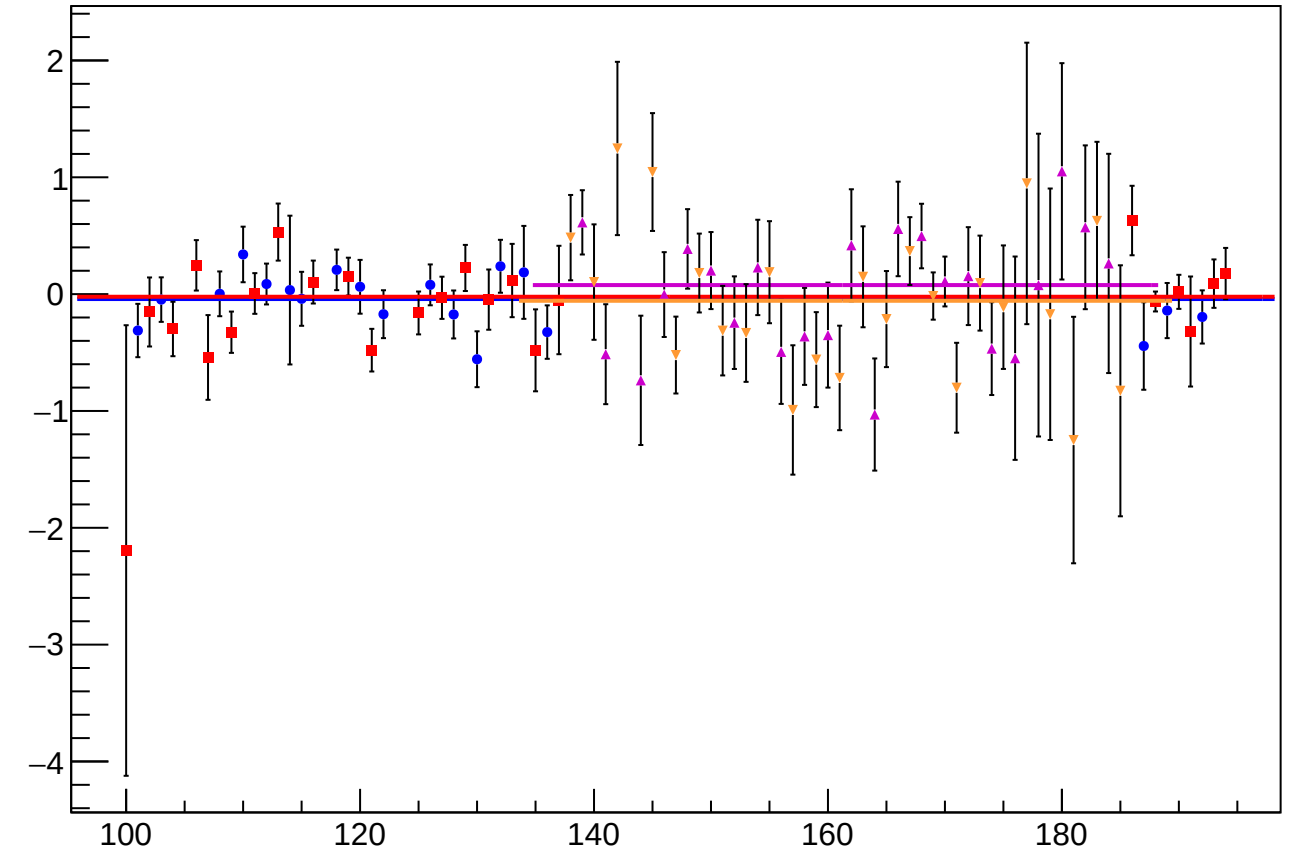
Right Out: 120.425+/-0.029 χ^2/NDF: 2242007.4/23

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 194.127+/-0.031 χ^2/NDF: 13141714.3/42

All: 174.419+/-0.020 χ^2/NDF: 30500322.6/89

- sign 160.737+/-0.026 χ^2/NDF: 16672077.8/46



Right In: -0.042+/-0.051 χ^2/NDF: 18.0/18

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

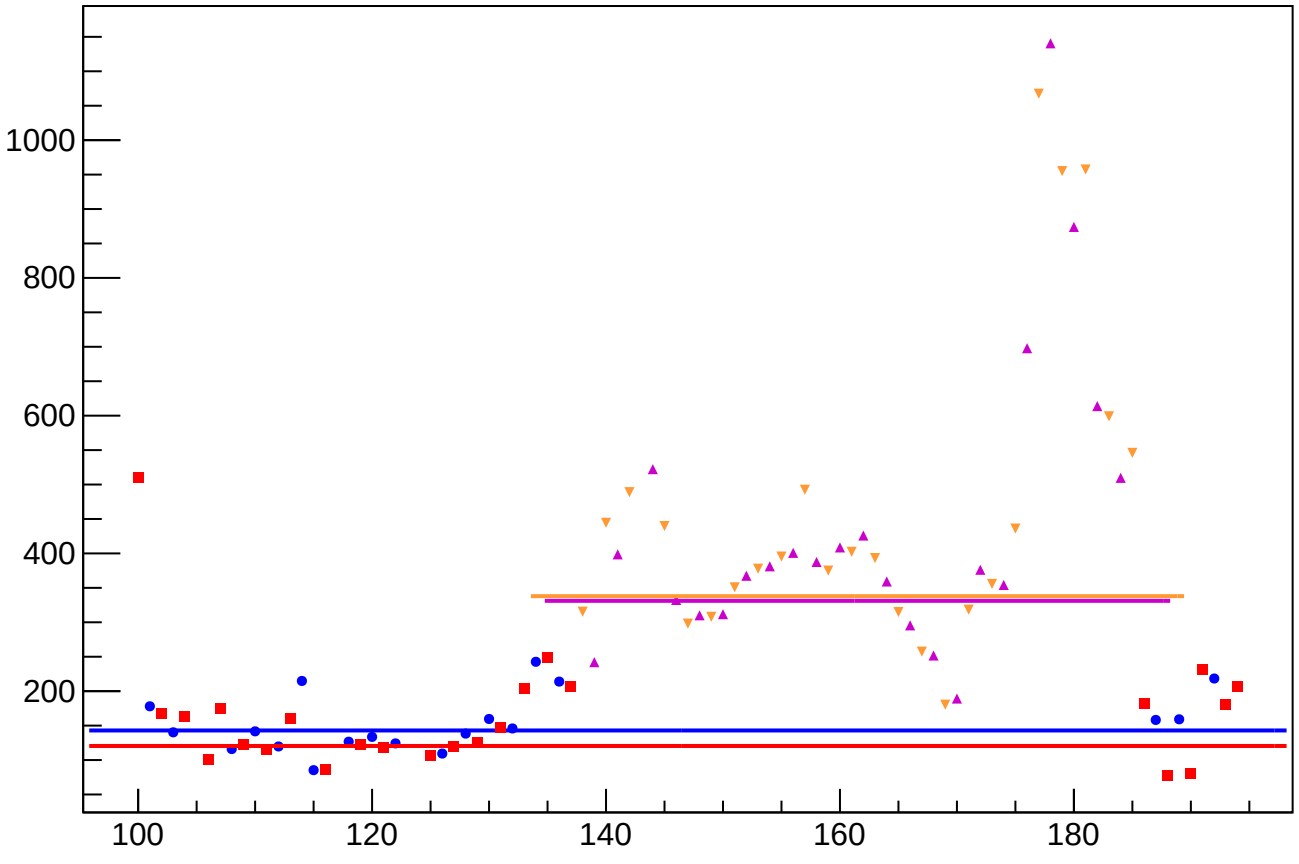
Right Out: -0.022+/-0.041 χ^2/NDF: 33.2/23

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 48.4/42

All: -0.021+/-0.028 χ^2/NDF: 110.3/89

- sign -0.003+/-0.036 χ^2/NDF: 61.3/46



Right In: 142.944+/-0.036 χ^2/NDF: 945481.0/18

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

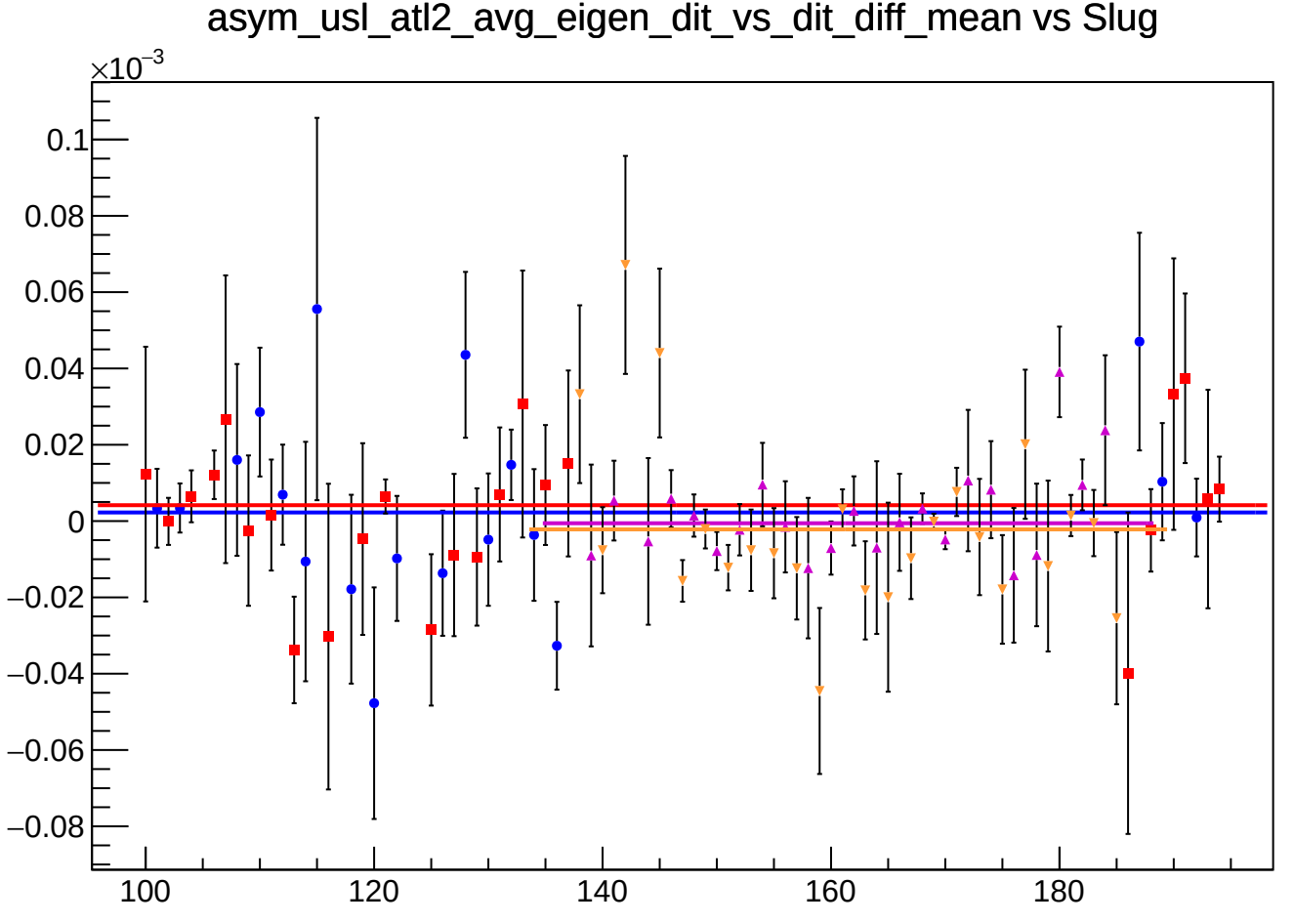
Right Out: 120.425+/-0.029 χ^2/NDF: 2242007.4/23

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 194.127+/-0.031 χ^2/NDF: 13141714.3/42

All: 174.419+/-0.020 χ^2/NDF: 30500322.6/89

- sign 160.737+/-0.026 χ^2/NDF: 16672077.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

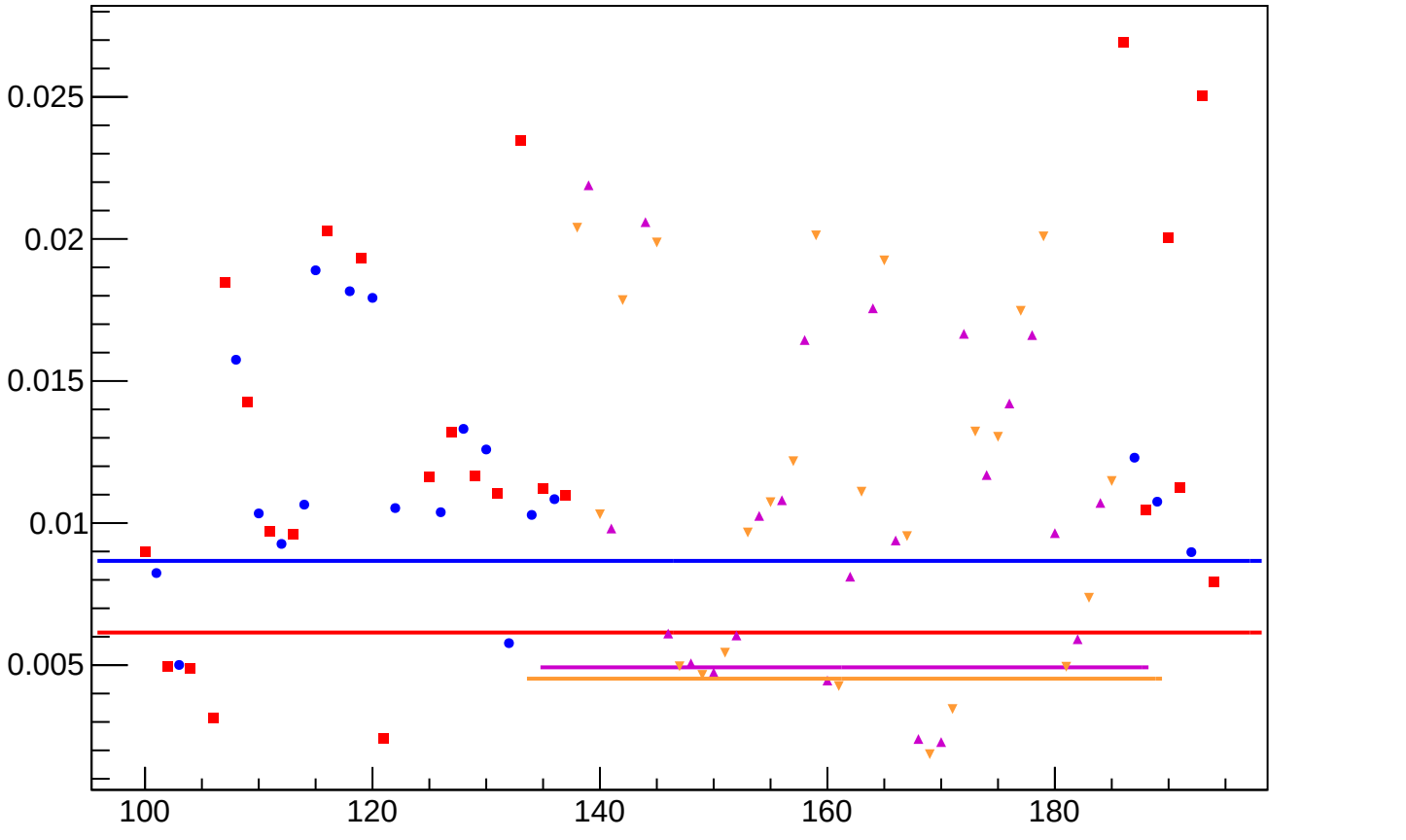
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/23

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.3/42

All: -0.000+/-0.000 χ^2/NDF: 117.4/89

- sign 0.000+/-0.000 χ^2/NDF: 49.6/46



Right In: 0.009+/-0.000 χ^2/NDF: 2003323.0/18

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

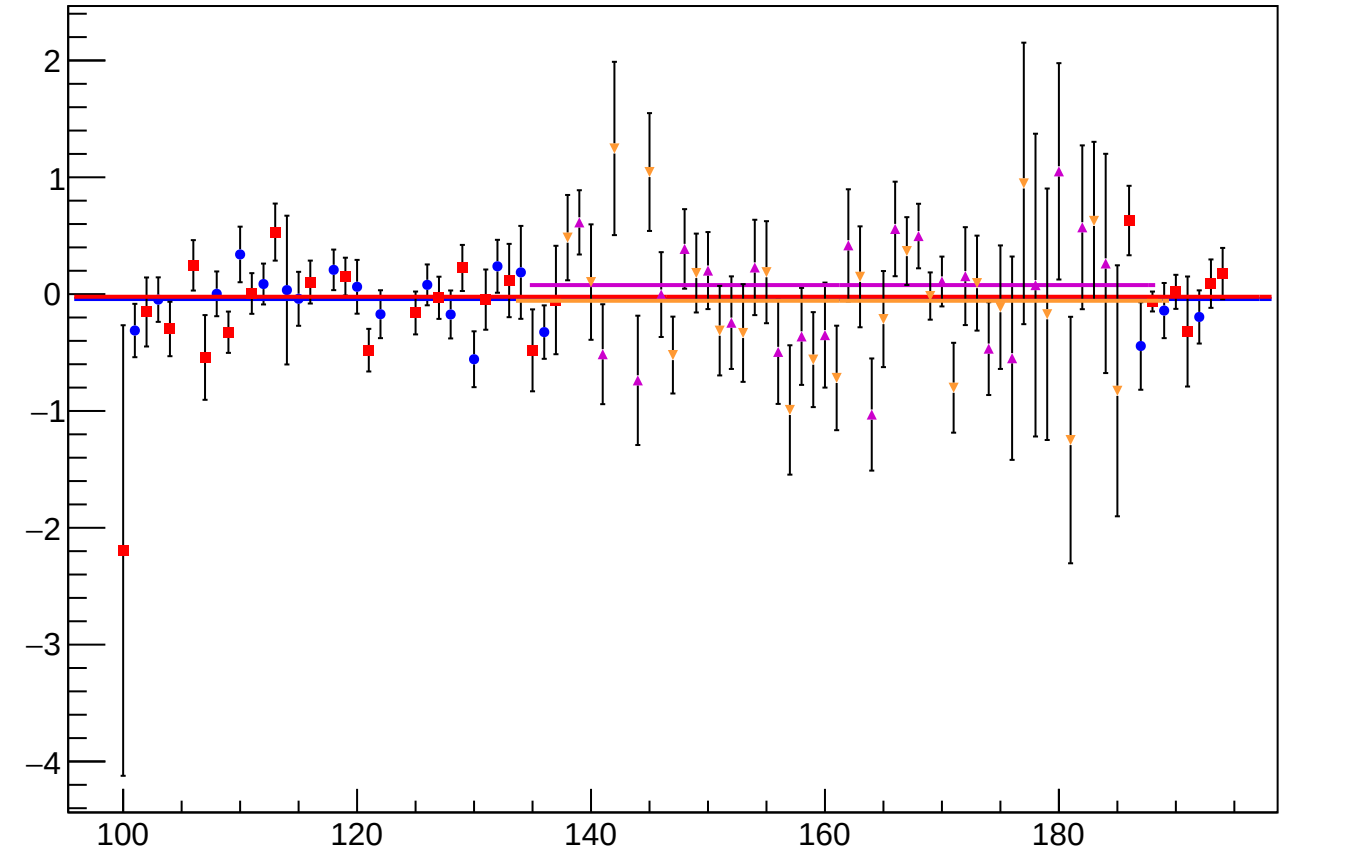
Right Out: 0.006+/-0.000 χ^2/NDF: 7259415.8/23

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 19096809.4/42

All: 0.005+/-0.000 χ^2/NDF: 38377510.6/89

- sign 0.005+/-0.000 χ^2/NDF: 19276823.9/46



Right In: -0.042+/-0.051 χ^2/NDF: 18.0/18

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

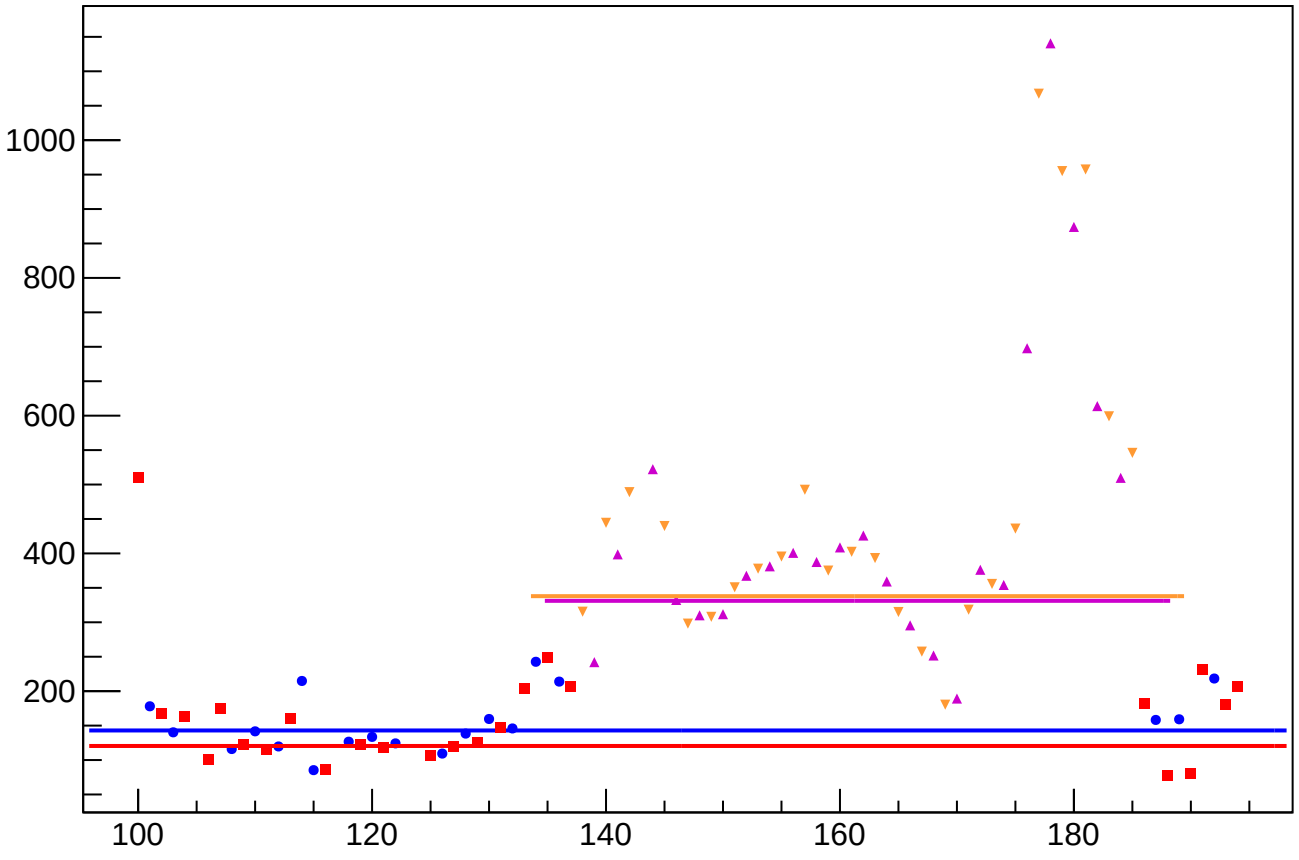
Right Out: -0.022+/-0.041 χ^2/NDF: 33.2/23

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 48.4/42

All: -0.021+/-0.028 χ^2/NDF: 110.3/89

- sign -0.003+/-0.036 χ^2/NDF: 61.3/46



Right In: 142.944+/-0.036 χ^2/NDF: 945451.5/18

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

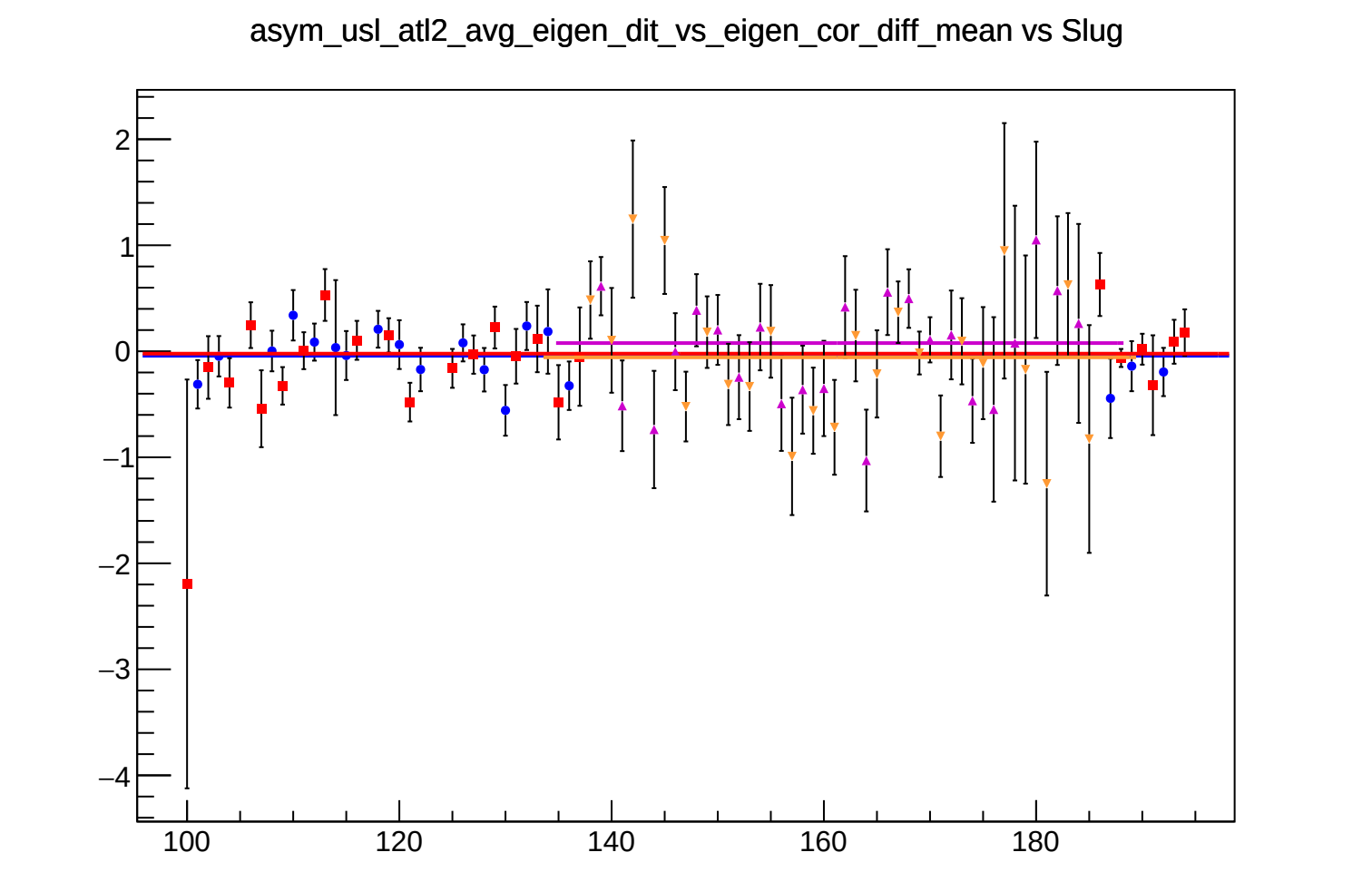
Right Out: 120.423+/-0.029 χ^2/NDF: 2242087.1/23

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 194.127+/-0.031 χ^2/NDF: 13141816.0/42

All: 174.418+/-0.020 χ^2/NDF: 30500972.3/89

- sign 160.734+/-0.026 χ^2/NDF: 16672521.9/46



Right In: -0.042+/-0.051 χ^2/NDF: 18.0/18

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

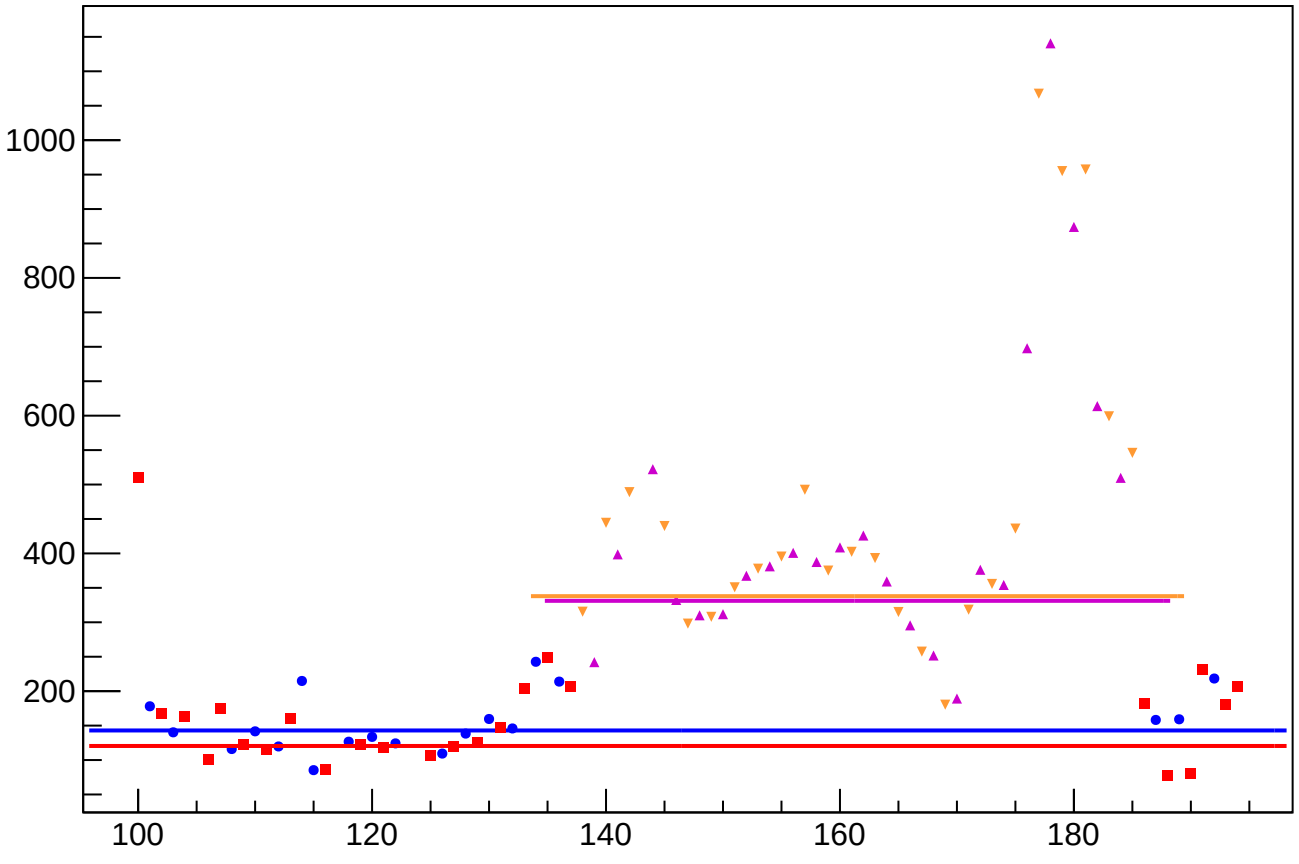
Right Out: -0.022+/-0.041 χ^2/NDF: 33.2/23

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.046+/-0.044 χ^2/NDF: 48.4/42

All: -0.021+/-0.028 χ^2/NDF: 110.3/89

- sign -0.003+/-0.036 χ^2/NDF: 61.3/46



Right In: 142.944+/-0.036 χ^2/NDF: 945451.5/18

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

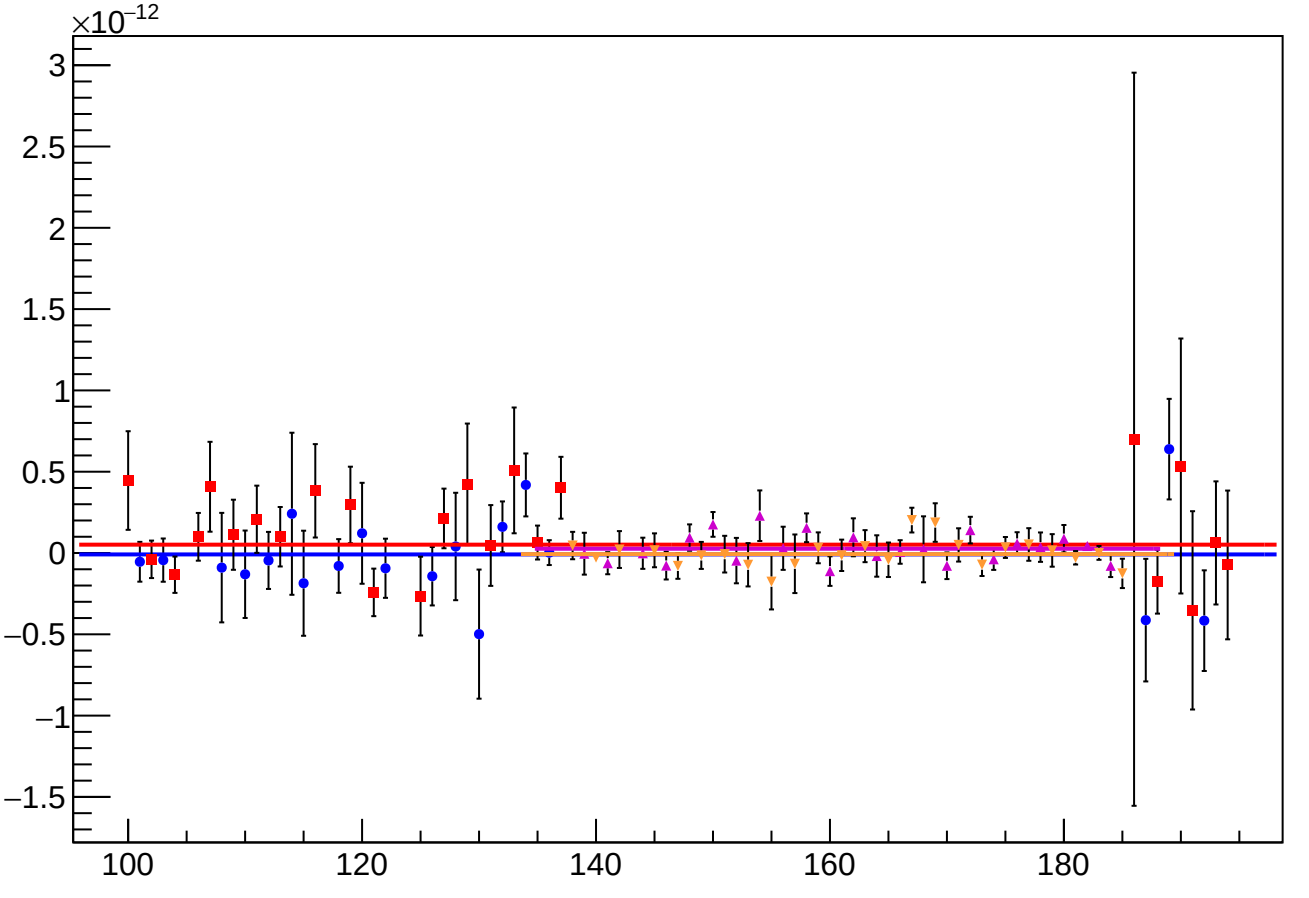
Right Out: 120.423+/-0.029 χ^2/NDF: 2242087.1/23

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 194.127+/-0.031 χ^2/NDF: 13141816.0/42

All: 174.418+/-0.020 χ^2/NDF: 30500972.3/89

- sign 160.734+/-0.026 χ^2/NDF: 16672521.9/46



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

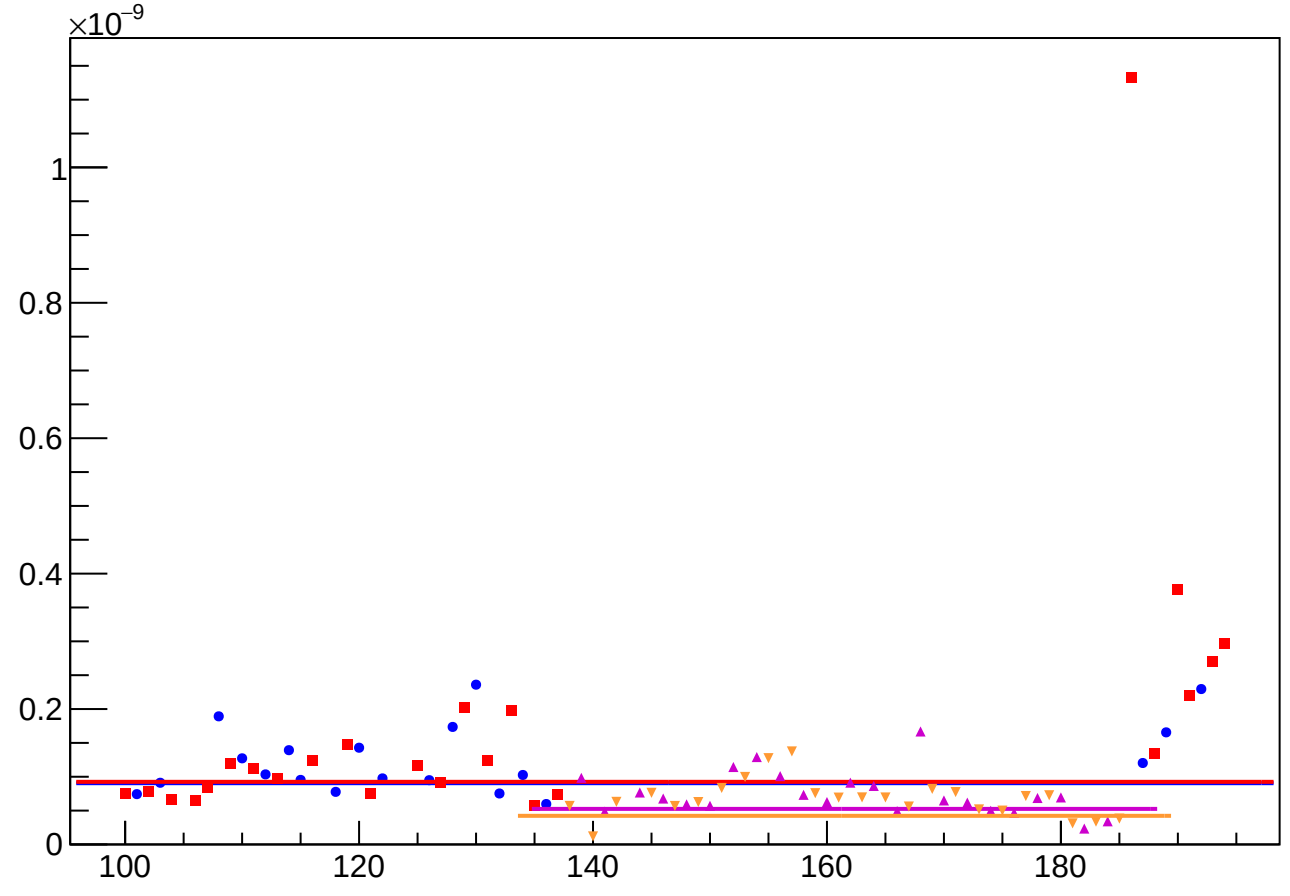
Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/23

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/42

All: 0.000+/-0.000 χ^2/NDF: 86.2/89

- sign 0.000+/-0.000 χ^2/NDF: 47.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 1627703.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2751616.8/23

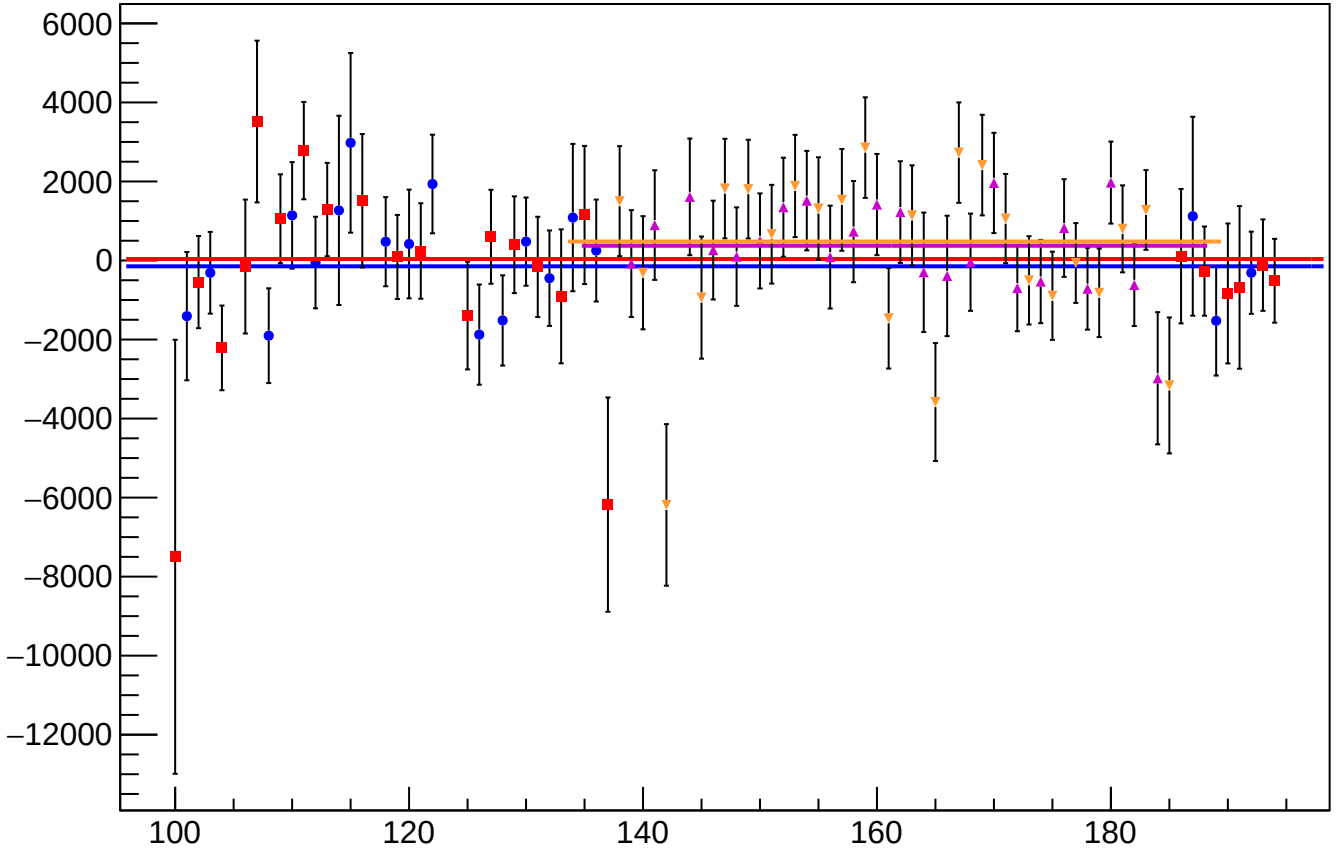
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10724314.6/42

All: 0.000+/-0.000 χ^2/NDF: 20623219.2/89

- sign 0.000+/-0.000 χ^2/NDF: 9346340.2/46

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: 37.940+/-277.608 χ^2/NDF: 25.3/23

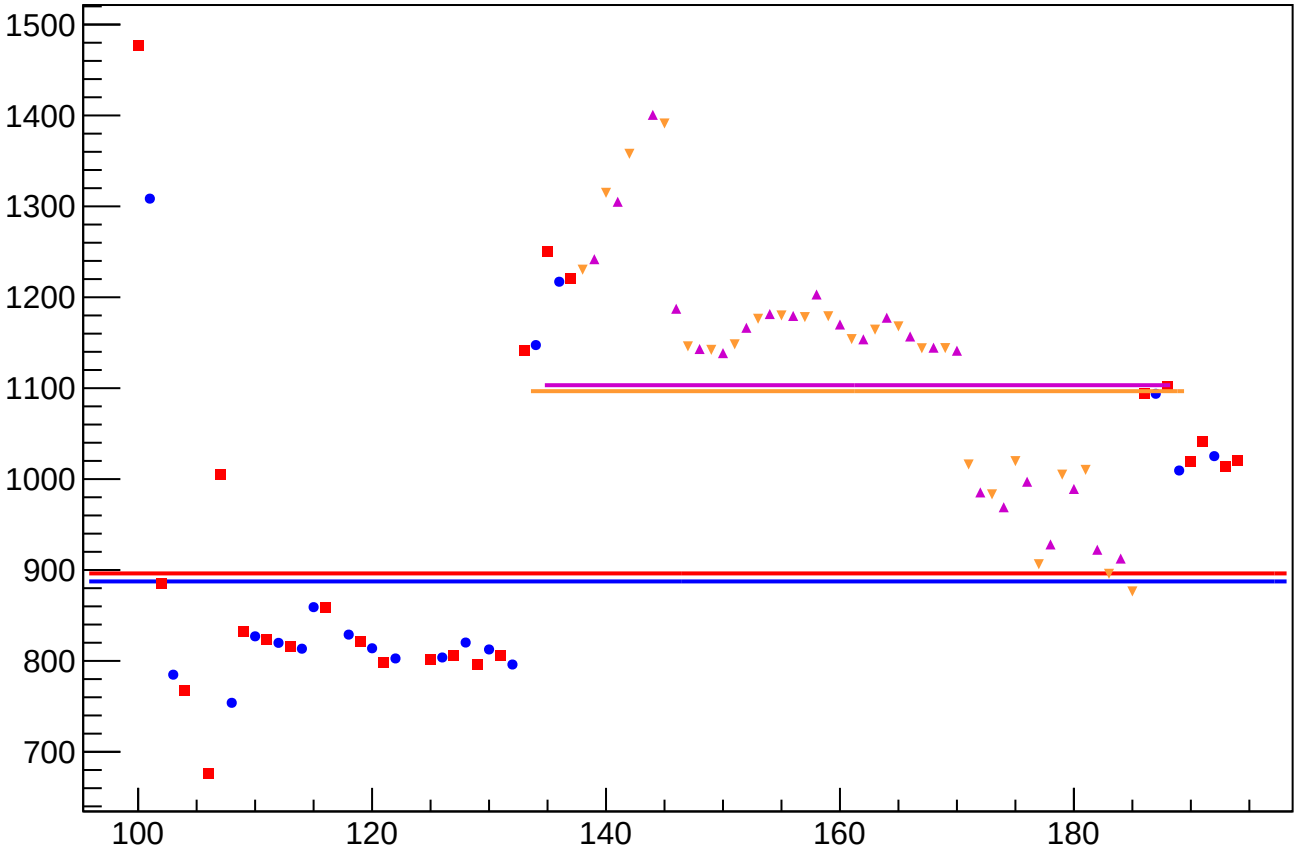
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 216.711+/-195.298 χ^2/NDF: 62.3/42

All: 216.774+/-136.001 χ^2/NDF: 104.4/89

- sign 216.834+/-189.500 χ^2/NDF: 42.1/46

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: 896.248+/-0.194 χ^2/NDF: 519704.2/23

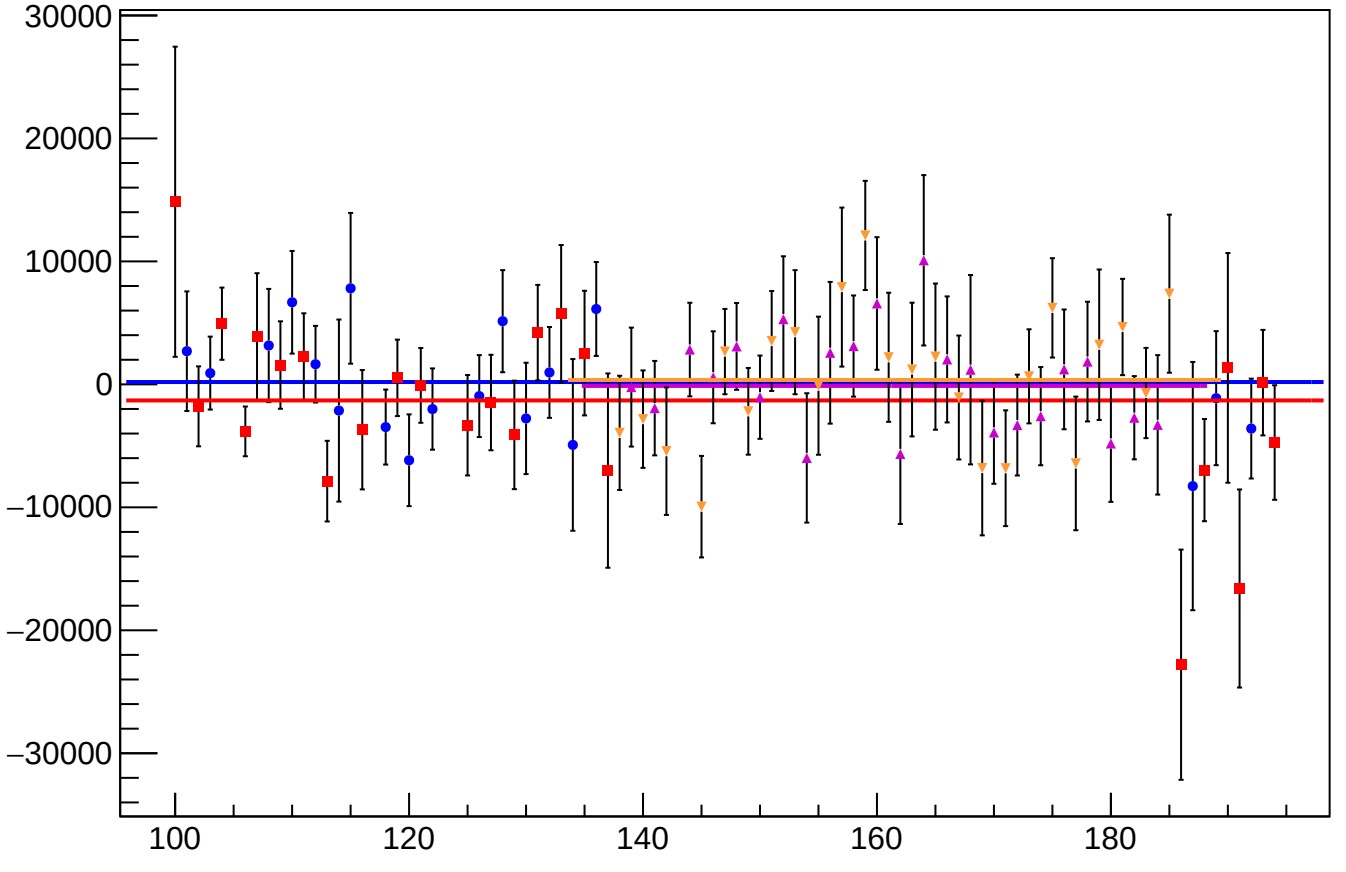
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1008.920+/-0.138 χ^2/NDF: 1521901.0/42

All: 1007.334+/-0.096 χ^2/NDF: 3089324.6/89

- sign 1005.853+/-0.133 χ^2/NDF: 1567168.4/46

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: -1307.634+/-807.605 χ^2/NDF: 32.0/23

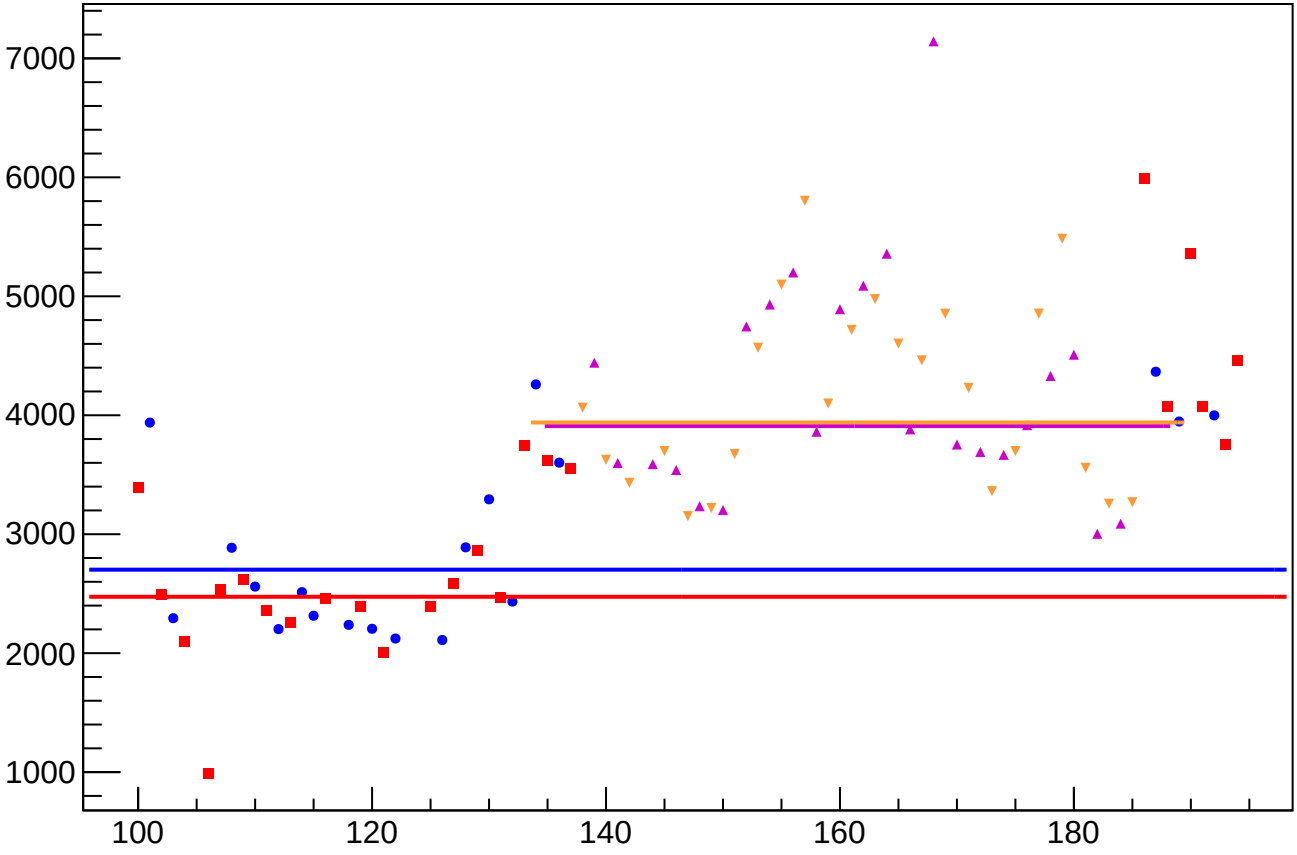
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 274.400+/-661.051 χ^2/NDF: 46.7/42

All: -306.281+/-448.505 χ^2/NDF: 94.8/89

- sign -801.582+/-610.521 χ^2/NDF: 46.7/46

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: 2474.069+/-0.571 χ^2/NDF: 2836411.8/23

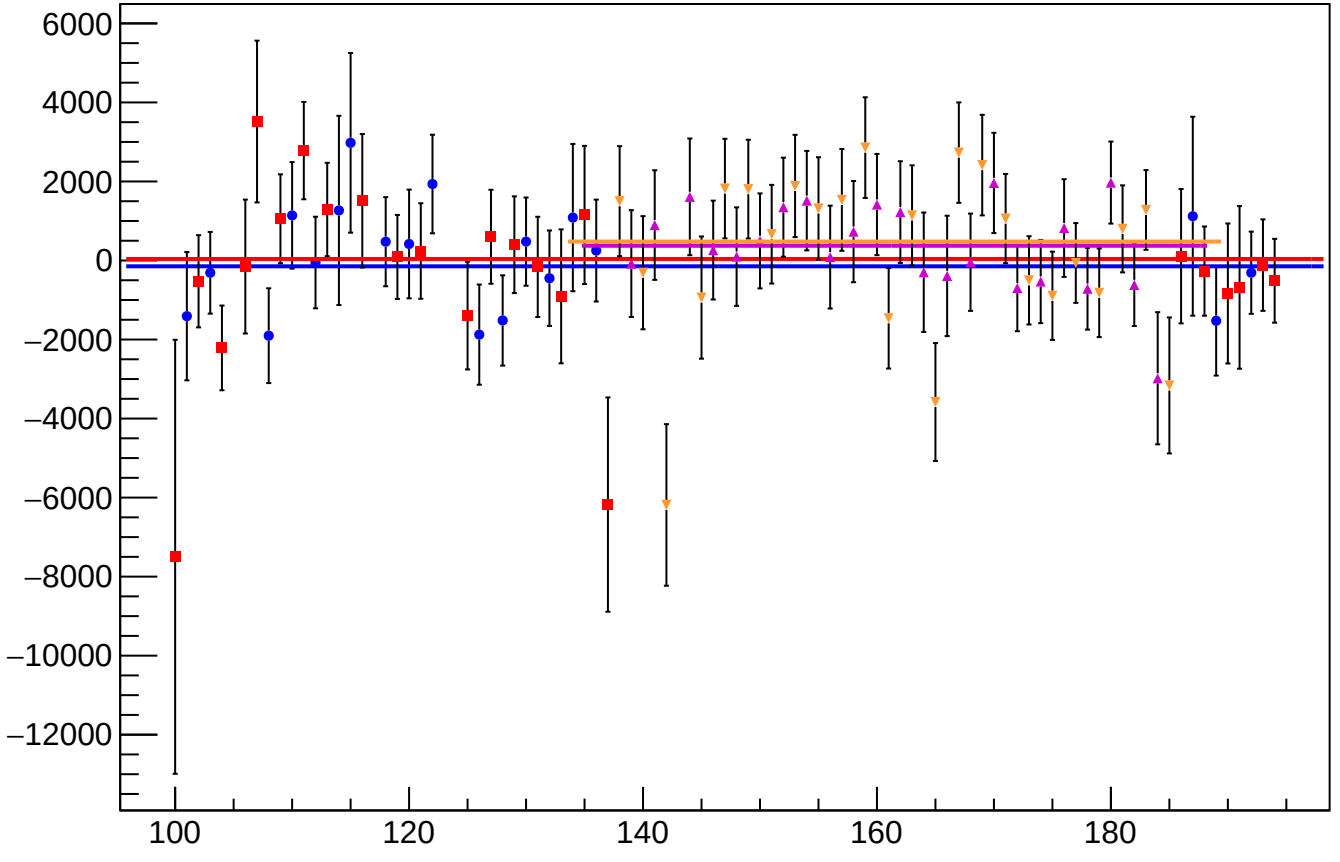
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3321.462+/-0.467 χ^2/NDF: 3905640.4/42

All: 3196.018+/-0.317 χ^2/NDF: 10882376.1/8

- sign 3089.018+/-0.432 χ^2/NDF: 6843282.5/46

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: 39.144+/-277.611 χ^2/NDF: 25.3/23

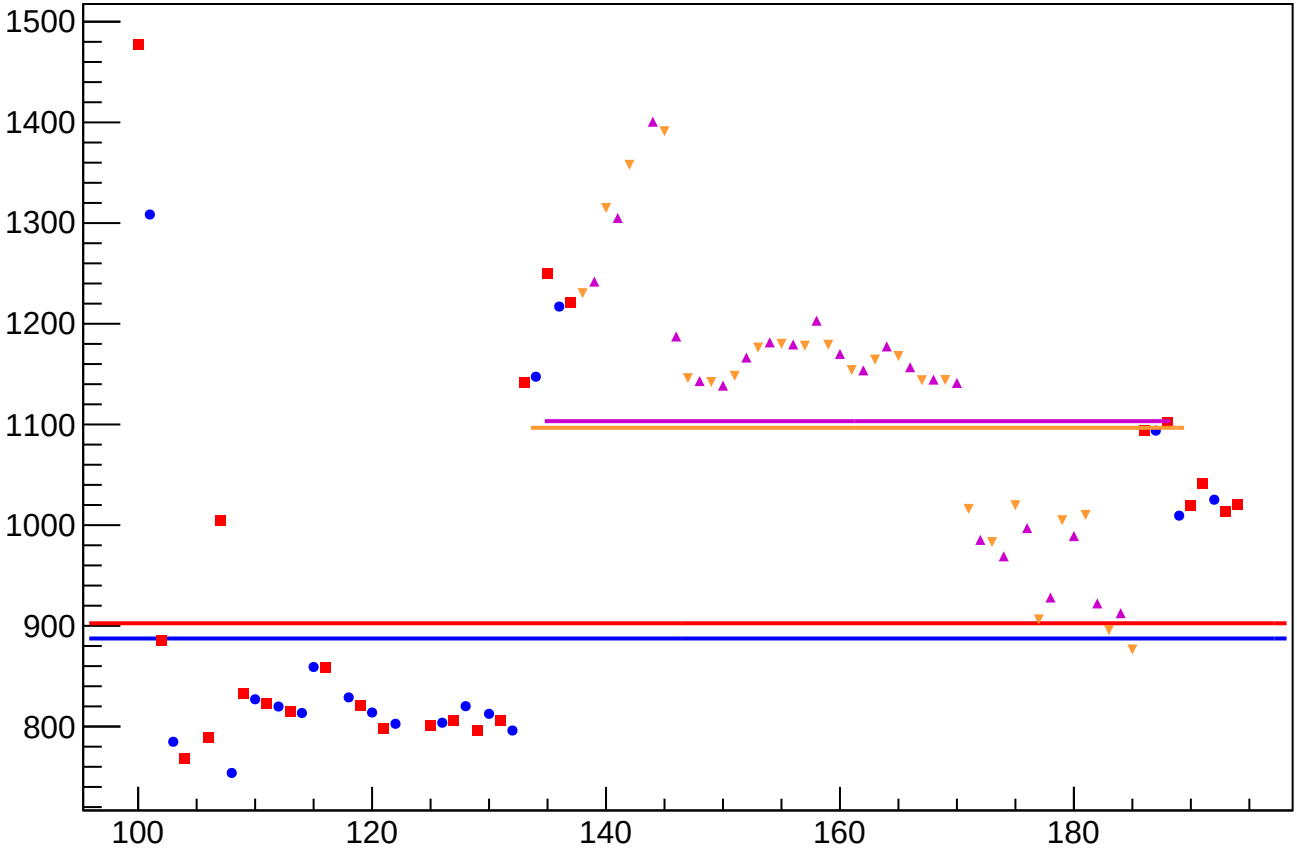
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 216.700+/-195.298 χ^2/NDF: 62.3/42

All: 217.052+/-136.001 χ^2/NDF: 104.4/89

- sign 217.383+/-189.501 χ^2/NDF: 42.1/46

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: 902.555+/-0.196 χ^2/NDF: 471427.5/23

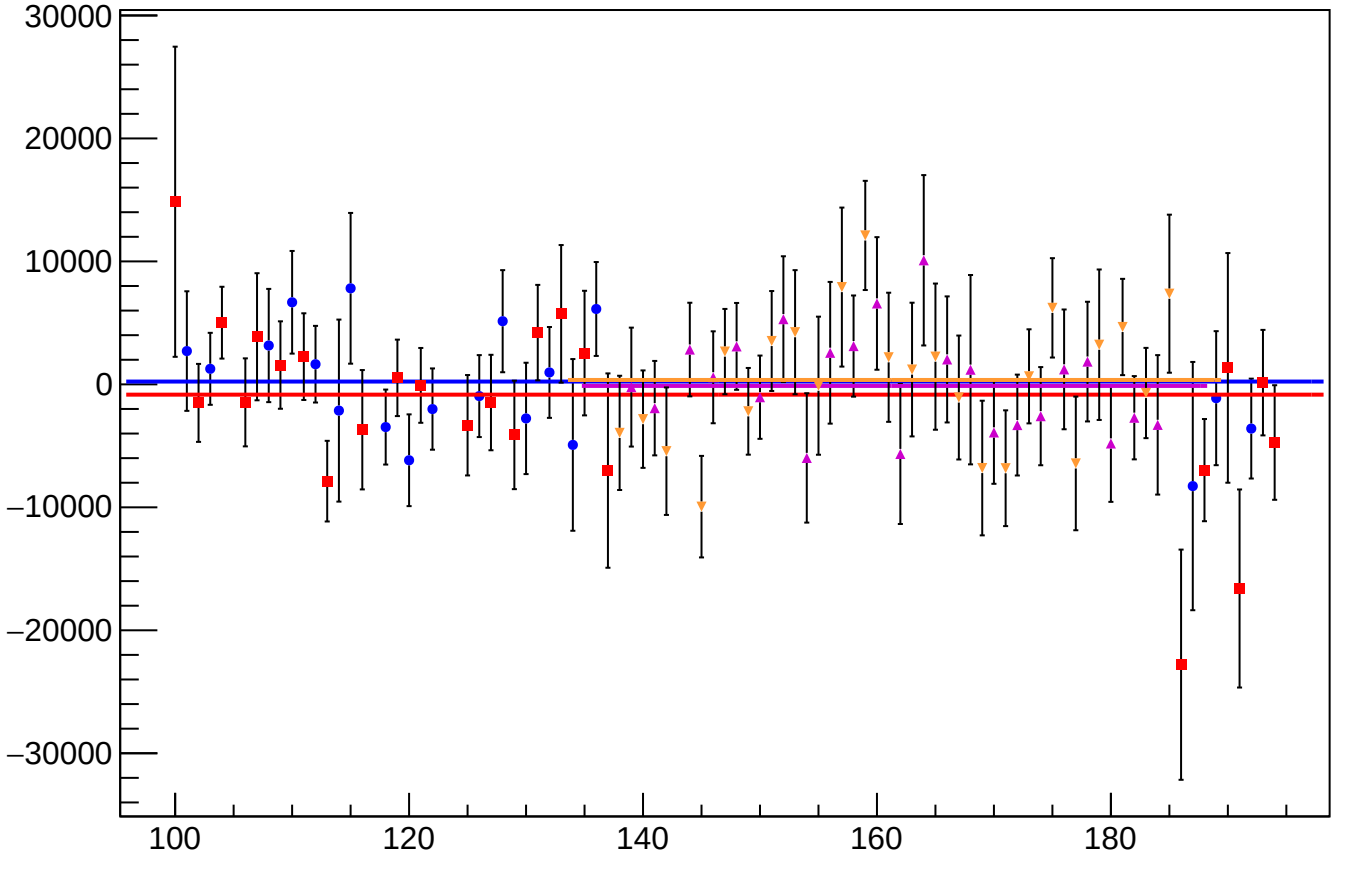
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.920+/-0.138 χ^2/NDF: 1521901.1/42

All: 1009.150+/-0.096 χ^2/NDF: 3001561.4/89

- sign 1009.365+/-0.134 χ^2/NDF: 1479654.9/46

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: -836.697+/-853.522 χ^2/NDF: 30.3/23

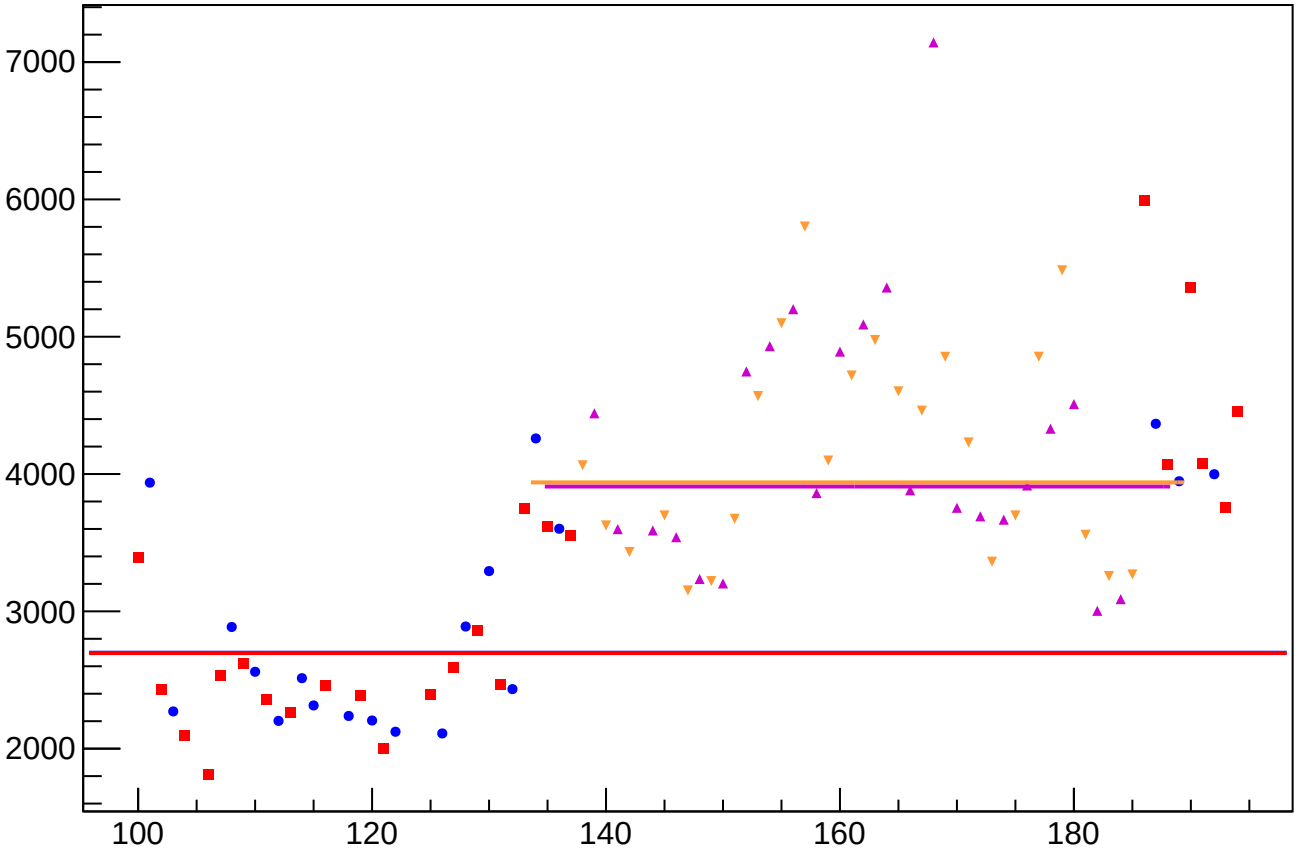
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 293.136+/-660.612 χ^2/NDF: 46.8/42

All: -129.297+/-455.782 χ^2/NDF: 91.9/89

- sign -513.058+/-629.648 χ^2/NDF: 44.4/46

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: 2695.996+/-0.604 χ^2/NDF: 1690261.4/23

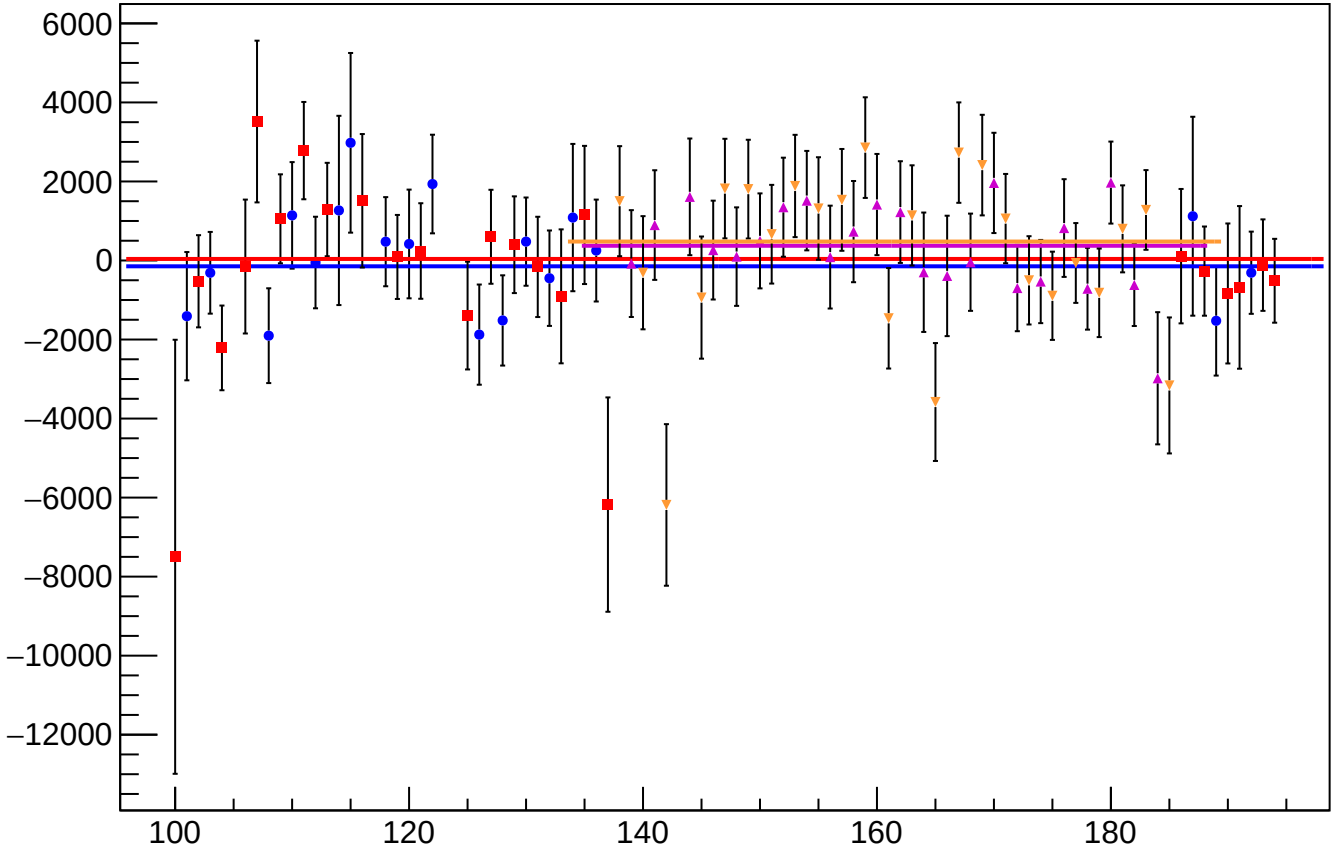
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

\+ sign 3318.919+/-0.467 χ^2/NDF: 3923114.9/42

All: 3282.245+/-0.322 χ^2/NDF: 8767460.1/89

\- sign 3248.929+/-0.445 χ^2/NDF: 4832581.8/46

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: 39.144+/-277.611 χ^2/NDF: 25.3/23

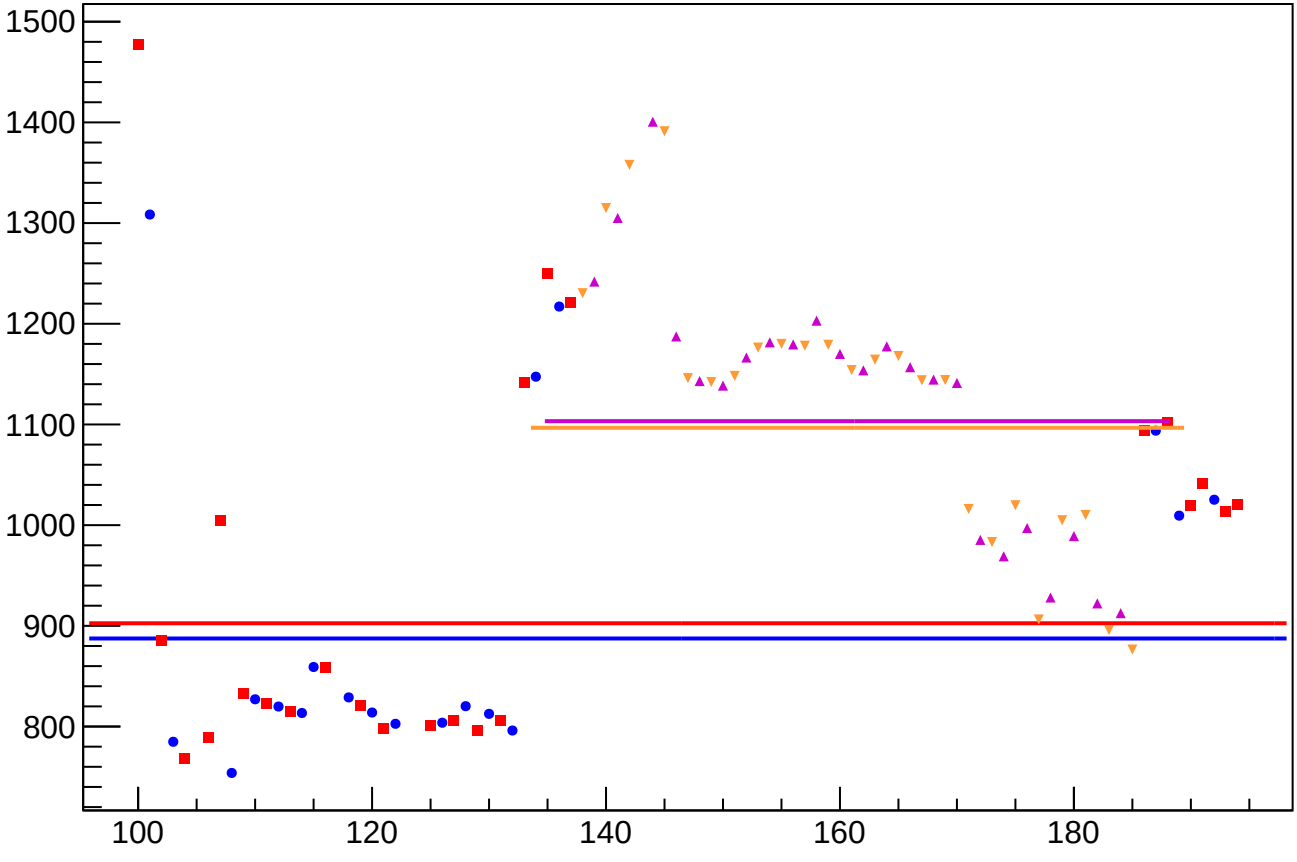
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 216.700+/-195.298 χ^2/NDF: 62.3/42

All: 217.052+/-136.001 χ^2/NDF: 104.4/89

- sign 217.383+/-189.501 χ^2/NDF: 42.1/46

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

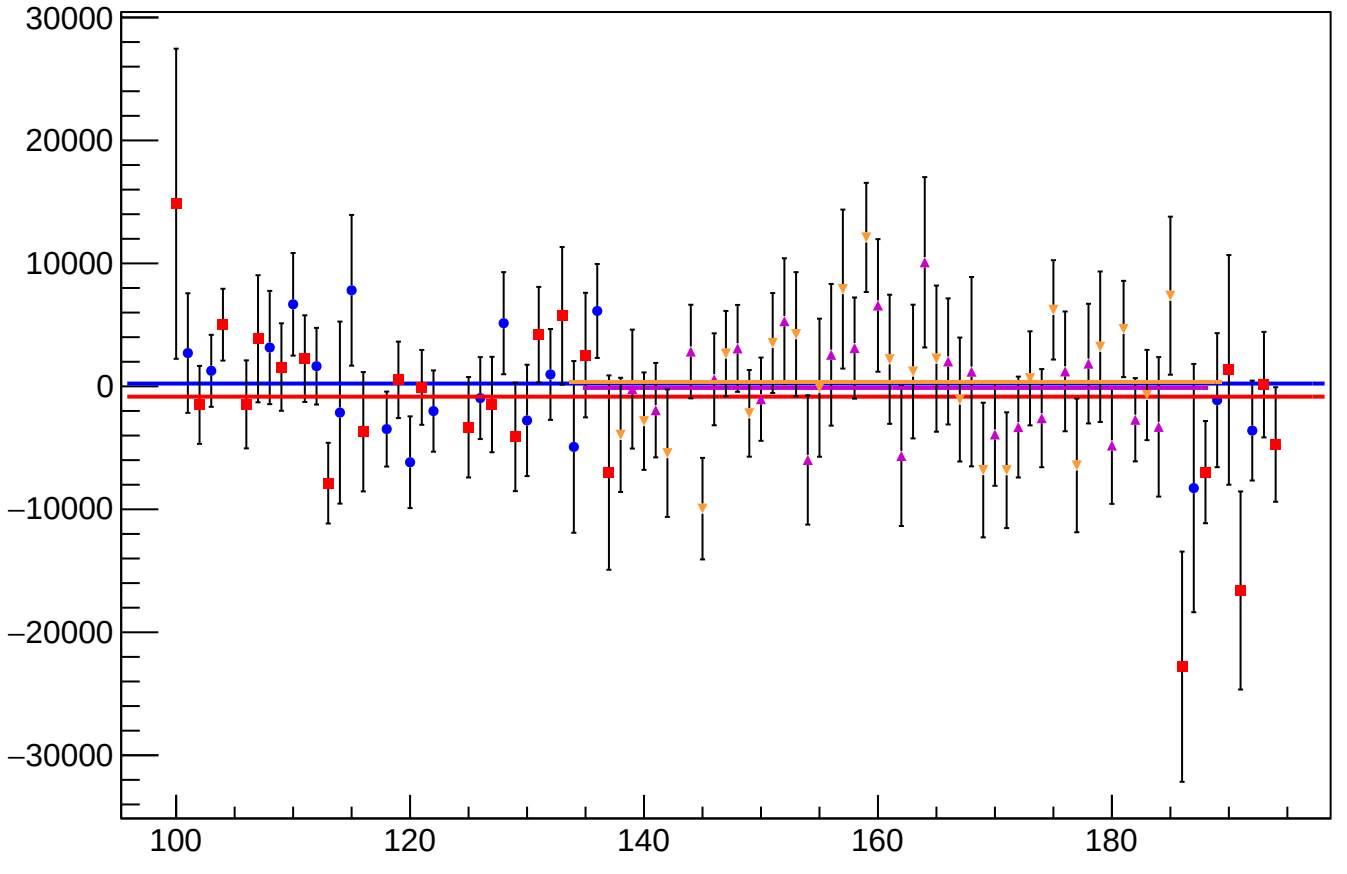
Right Out: 902.555+/-0.196 χ^2/NDF: 471427.5/23

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.920+/-0.138 χ^2/NDF: 1521901.1/42

All: 1009.150+/-0.096 χ^2/NDF: 3001561.4/89

- sign 1009.365+/-0.134 χ^2/NDF: 1479654.9/46



Right In: 228.537+/-934.273 χ^2/NDF: 16.5/18

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

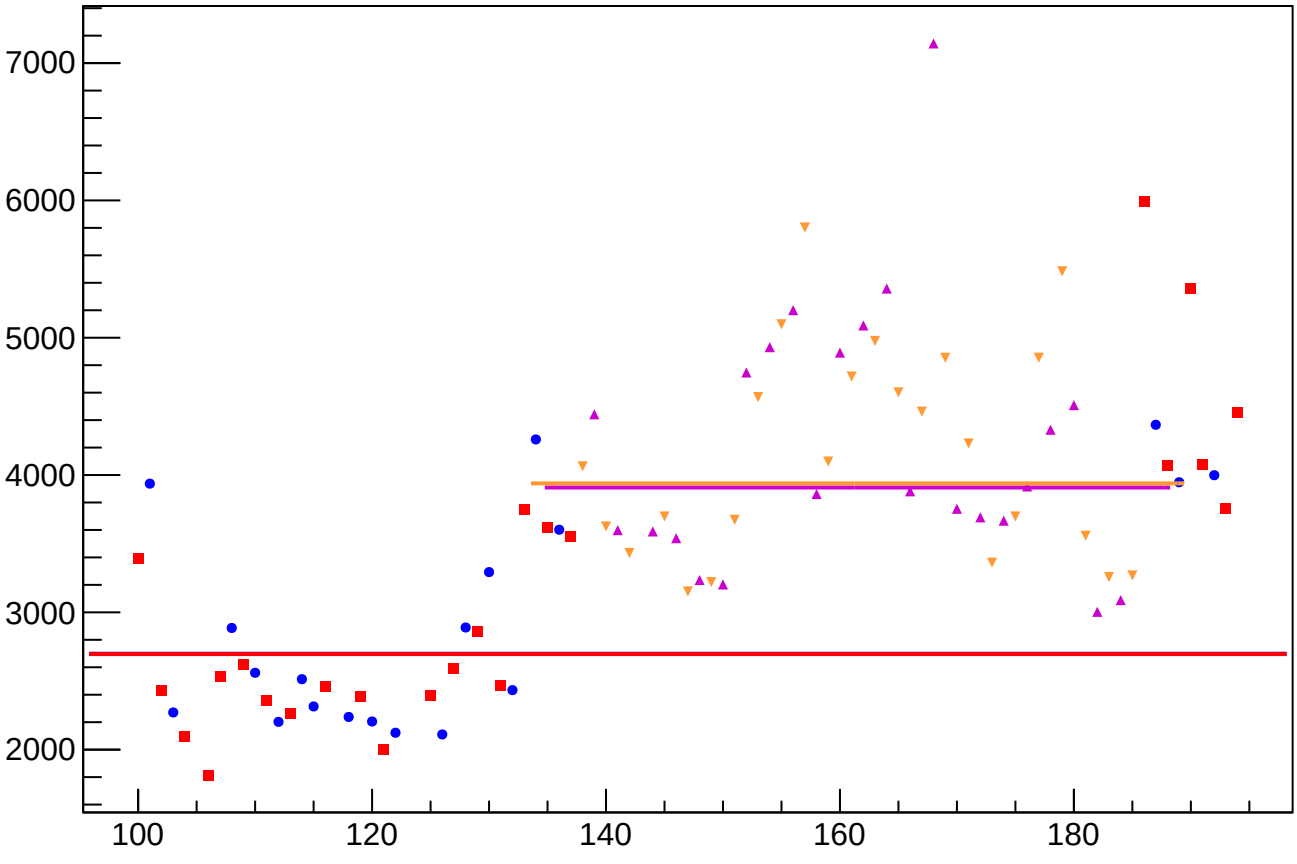
Right Out: -836.697+/-853.522 χ^2/NDF: 30.3/23

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 293.136+/-660.612 χ^2/NDF: 46.8/42

All: -129.297+/-455.782 χ^2/NDF: 91.9/89

- sign -513.058+/-629.648 χ^2/NDF: 44.4/46



Right In: 2698.504+/-0.661 χ^2/NDF: 1066641.2/18

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2695.996+/-0.604 χ^2/NDF: 1690261.4/23

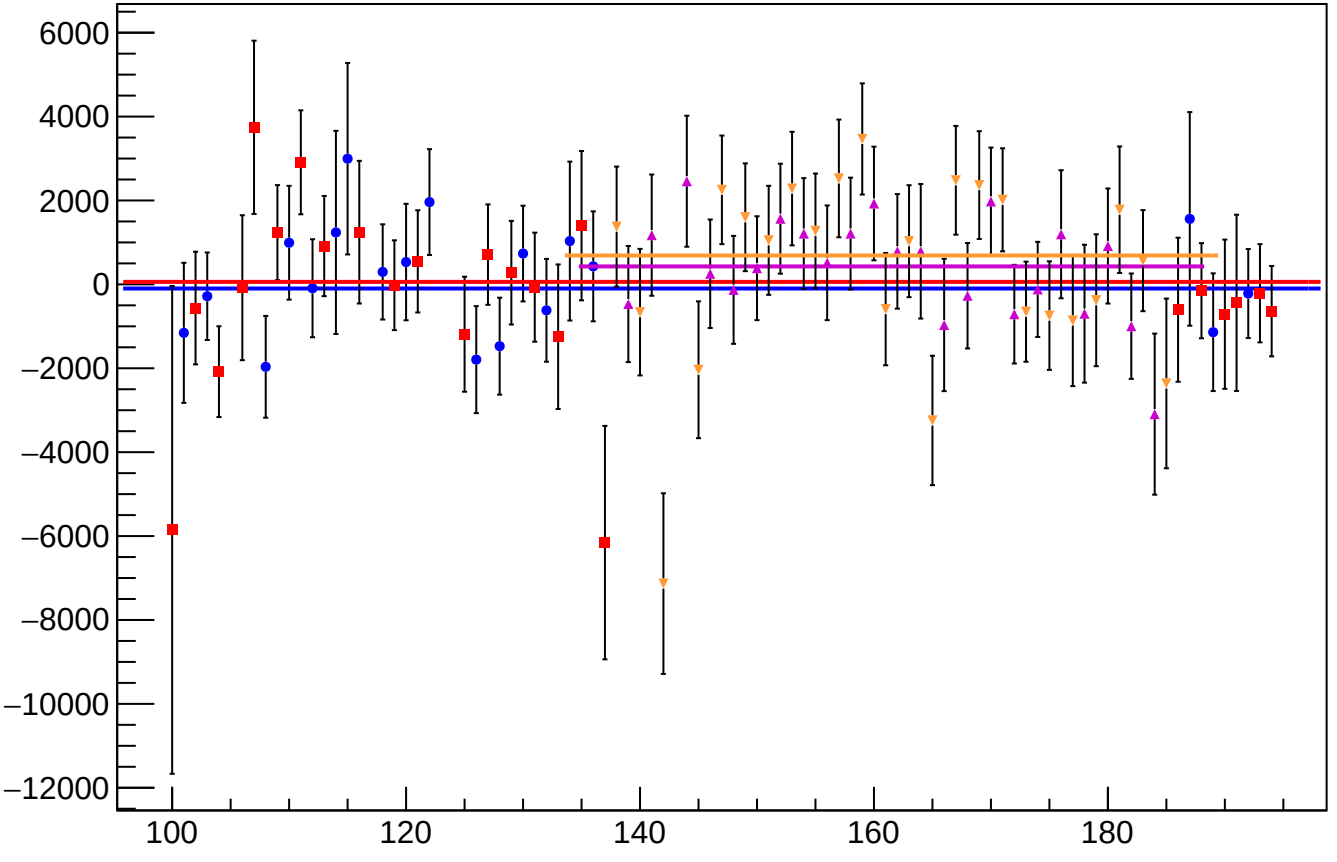
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3318.919+/-0.467 χ^2/NDF: 3923114.9/42

All: 3282.245+/-0.322 χ^2/NDF: 8767460.1/89

- sign 3248.929+/-0.445 χ^2/NDF: 4832581.8/46

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: 59.715+/-282.360 χ^2/NDF: 24.1/23

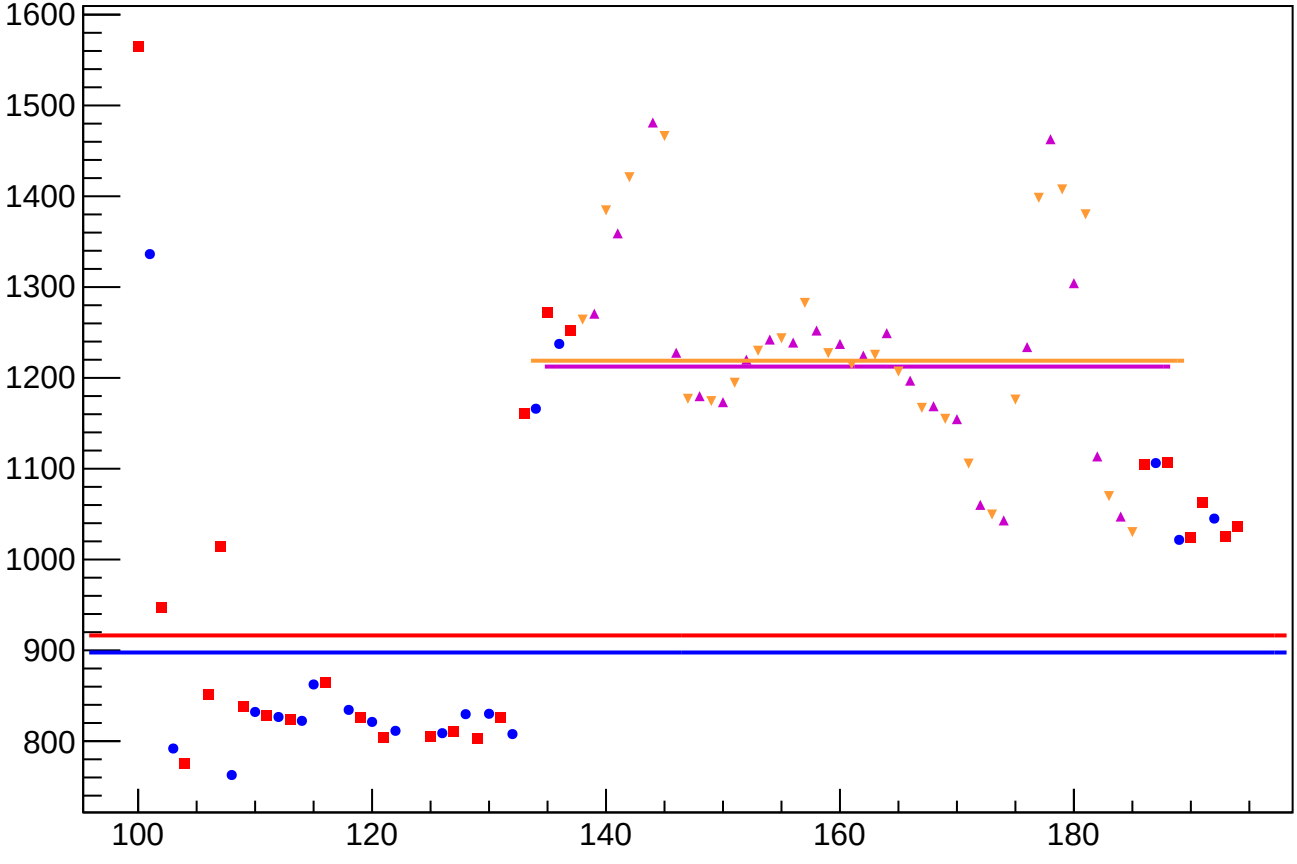
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 323.176+/-208.091 χ^2/NDF: 63.3/42

All: 281.349+/-144.336 χ^2/NDF: 102.9/89

- sign 242.569+/-200.370 χ^2/NDF: 39.5/46

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: 916.410+/-0.200 χ^2/NDF: 475937.2/23

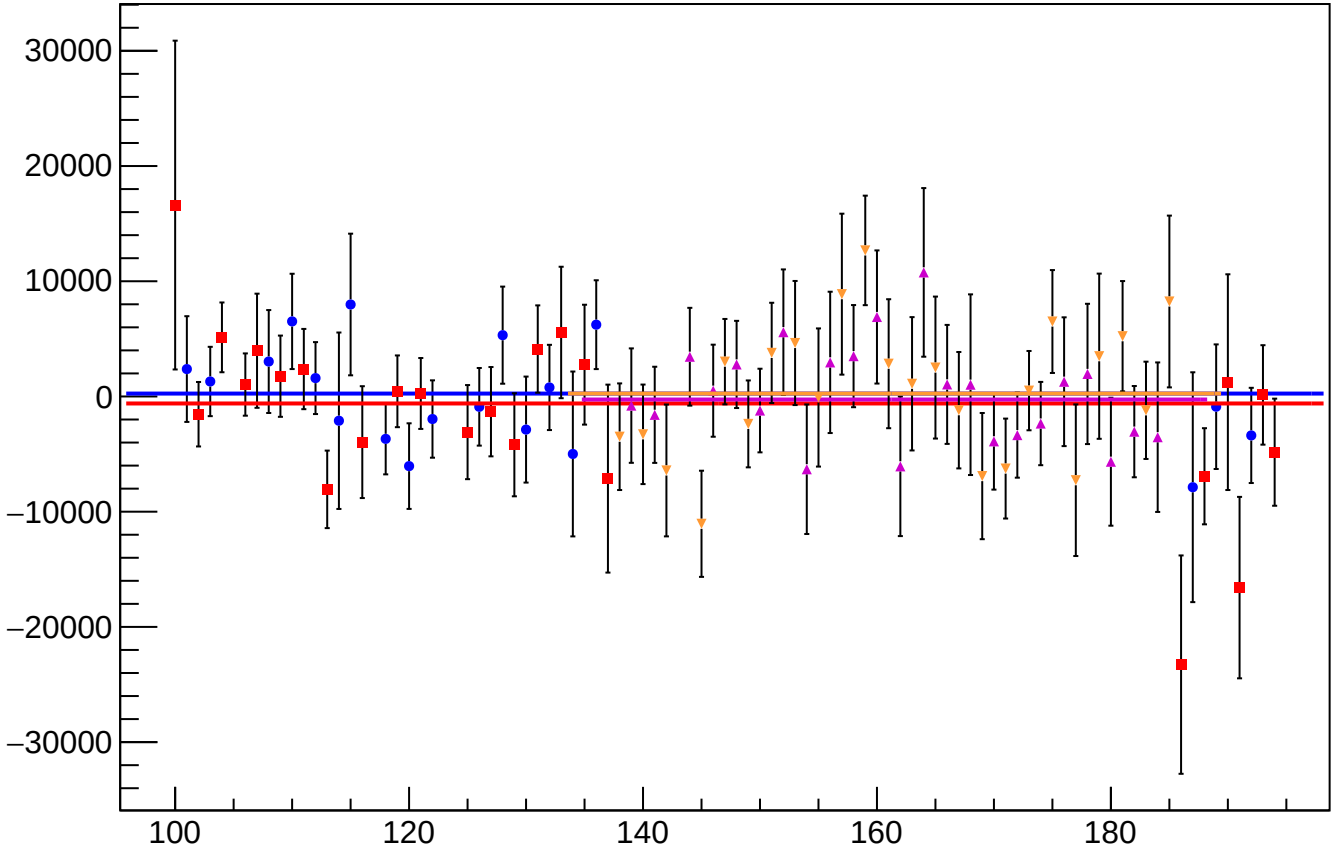
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1069.654+/-0.147 χ^2/NDF: 1975903.0/42

All: 1066.337+/-0.102 χ^2/NDF: 3805309.3/89

- sign 1063.264+/-0.142 χ^2/NDF: 1828427.2/46

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: -607.863+/-831.327 χ^2/NDF: 31.0/23

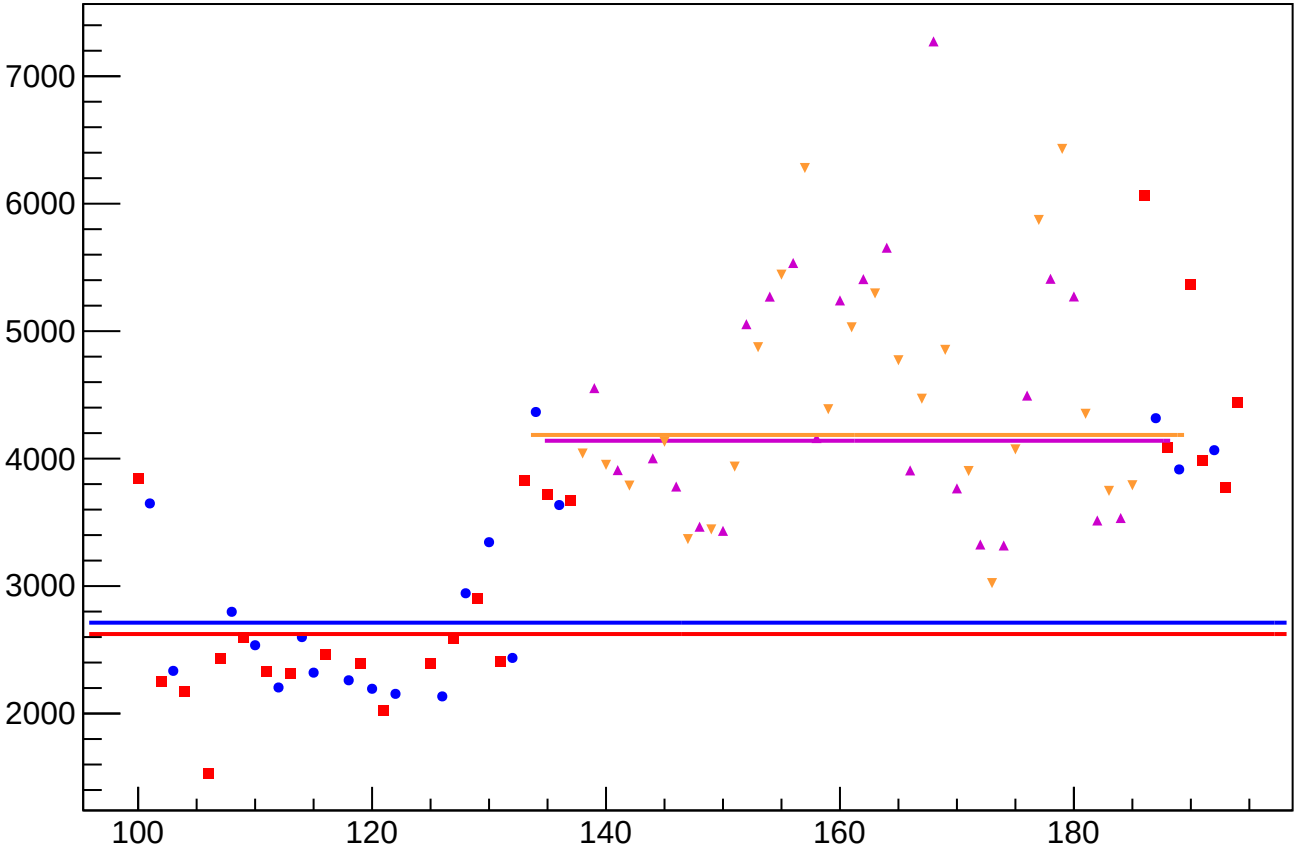
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 252.283+/-683.022 χ^2/NDF: 46.0/42

All: -132.383+/-465.715 χ^2/NDF: 91.1/89

- sign -466.601+/-636.660 χ^2/NDF: 44.5/46

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: 2623.681+/-0.588 χ^2/NDF: 1967784.5/23

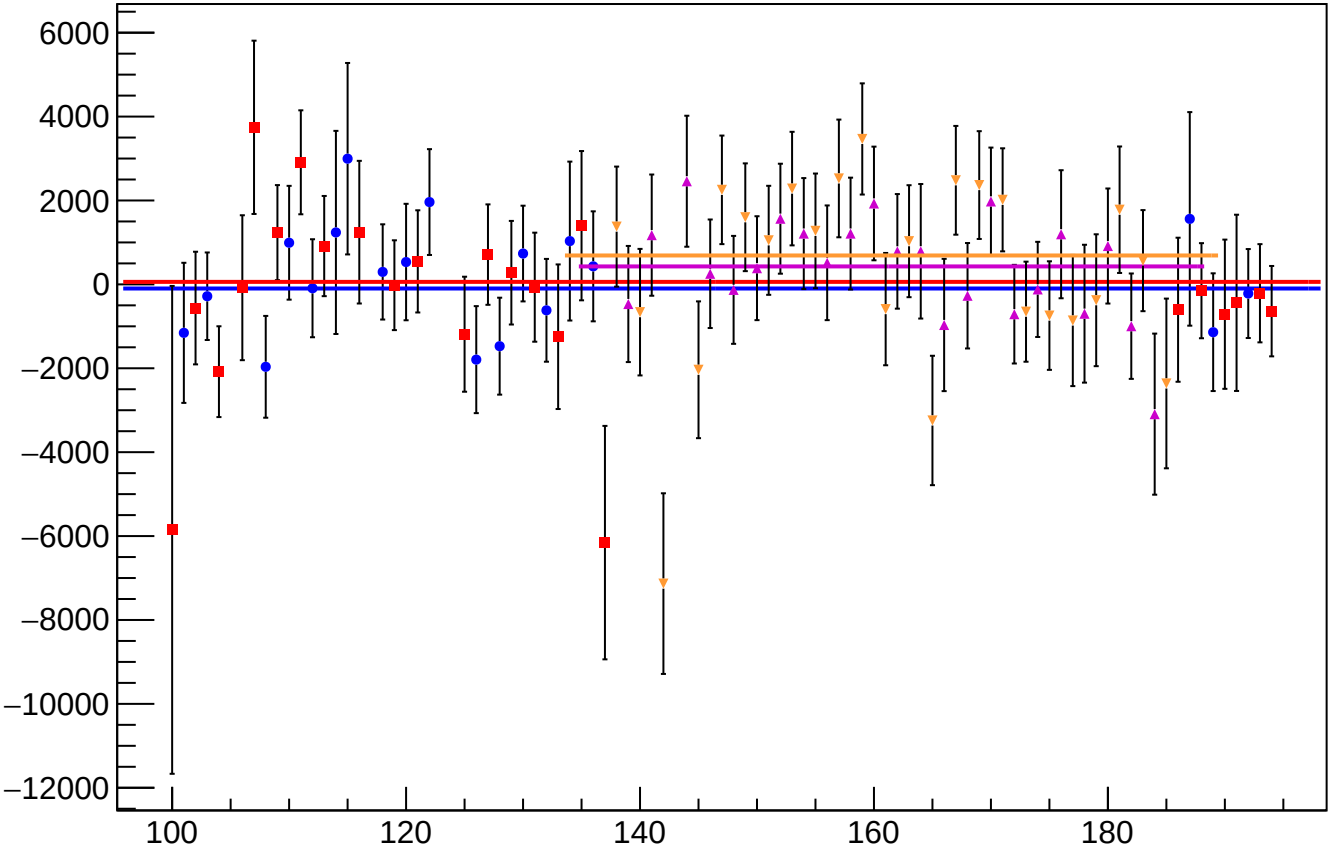
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3406.638+/-0.483 χ^2/NDF: 4606958.3/42

All: 3323.194+/-0.329 χ^2/NDF: 10831944.5/8

- sign 3250.694+/-0.450 χ^2/NDF: 6169200.8/46

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: 59.718+/-282.361 χ^2/NDF: 24.1/23

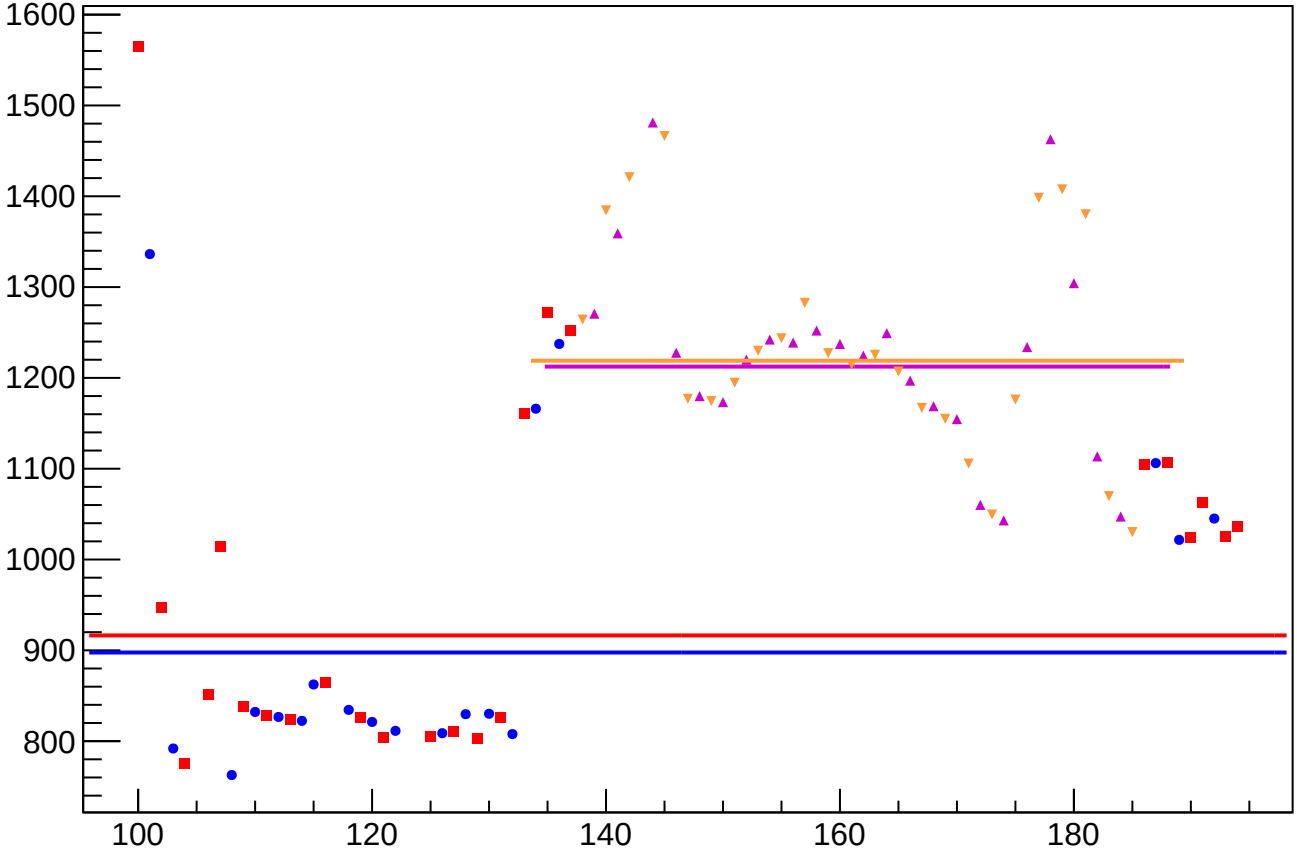
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 323.176+/-208.091 χ^2/NDF: 63.3/42

All: 281.349+/-144.336 χ^2/NDF: 102.9/89

- sign 242.569+/-200.370 χ^2/NDF: 39.5/46

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

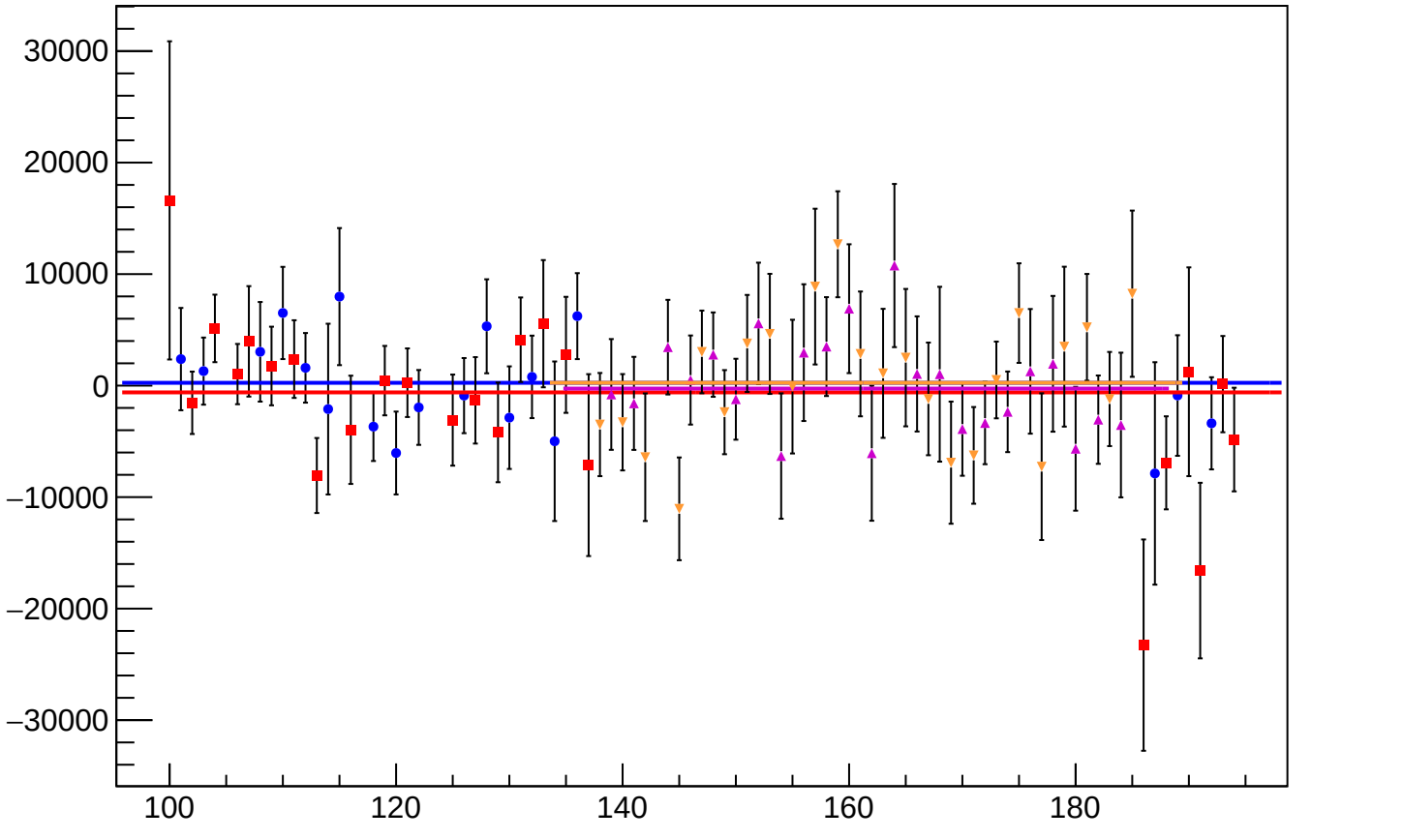
Right Out: 916.410+/-0.200 χ^2/NDF: 475936.9/23

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1069.654+/-0.147 χ^2/NDF: 1975919.8/42

All: 1066.337+/-0.102 χ^2/NDF: 3805342.6/89

- sign 1063.264+/-0.142 χ^2/NDF: 1828443.7/46



Right In: 251.817+/-939.157 χ^2/NDF: 16.3/18

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: -607.858+/-831.325 χ^2/NDF: 31.0/23

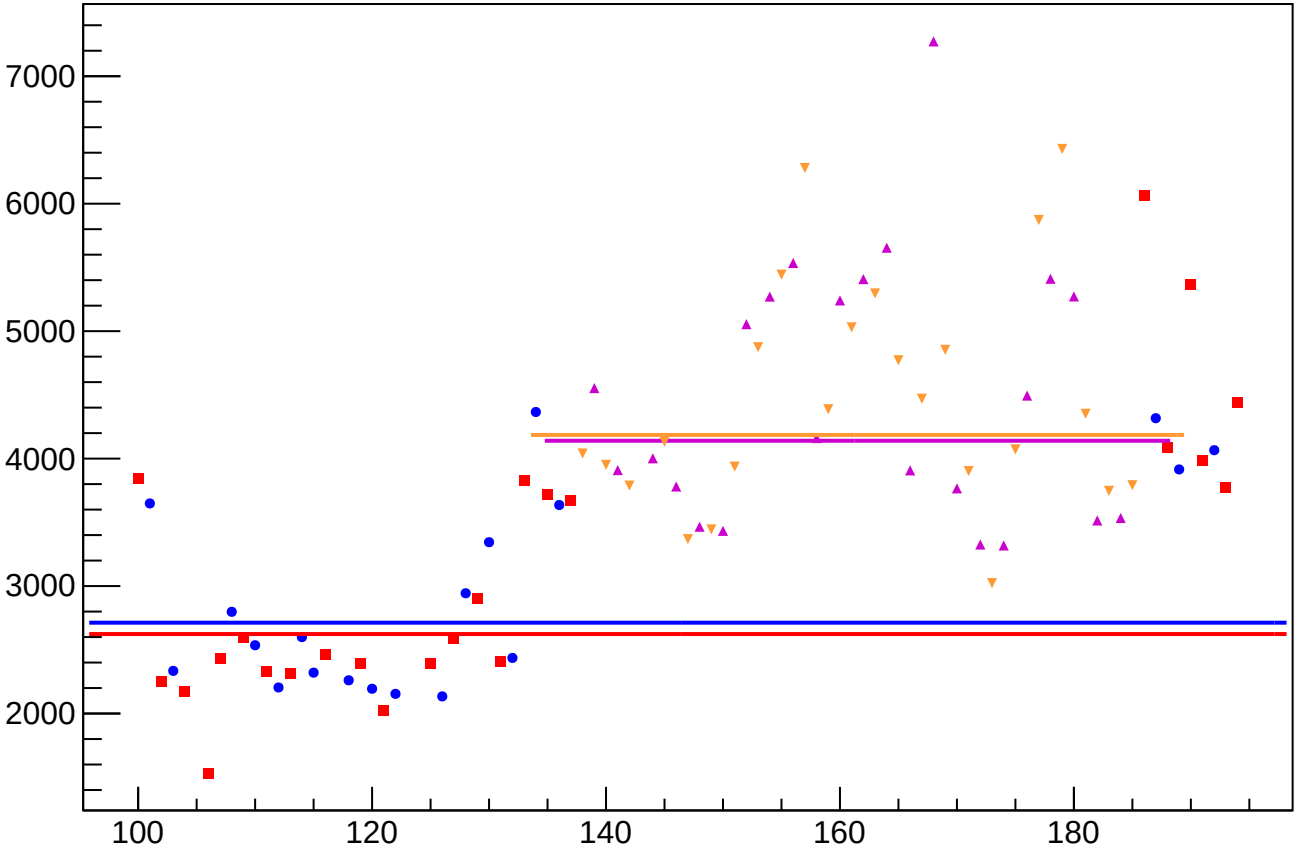
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 252.283+/-683.022 χ^2/NDF: 46.0/42

All: -132.383+/-465.715 χ^2/NDF: 91.1/89

- sign -466.599+/-636.659 χ^2/NDF: 44.5/46

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

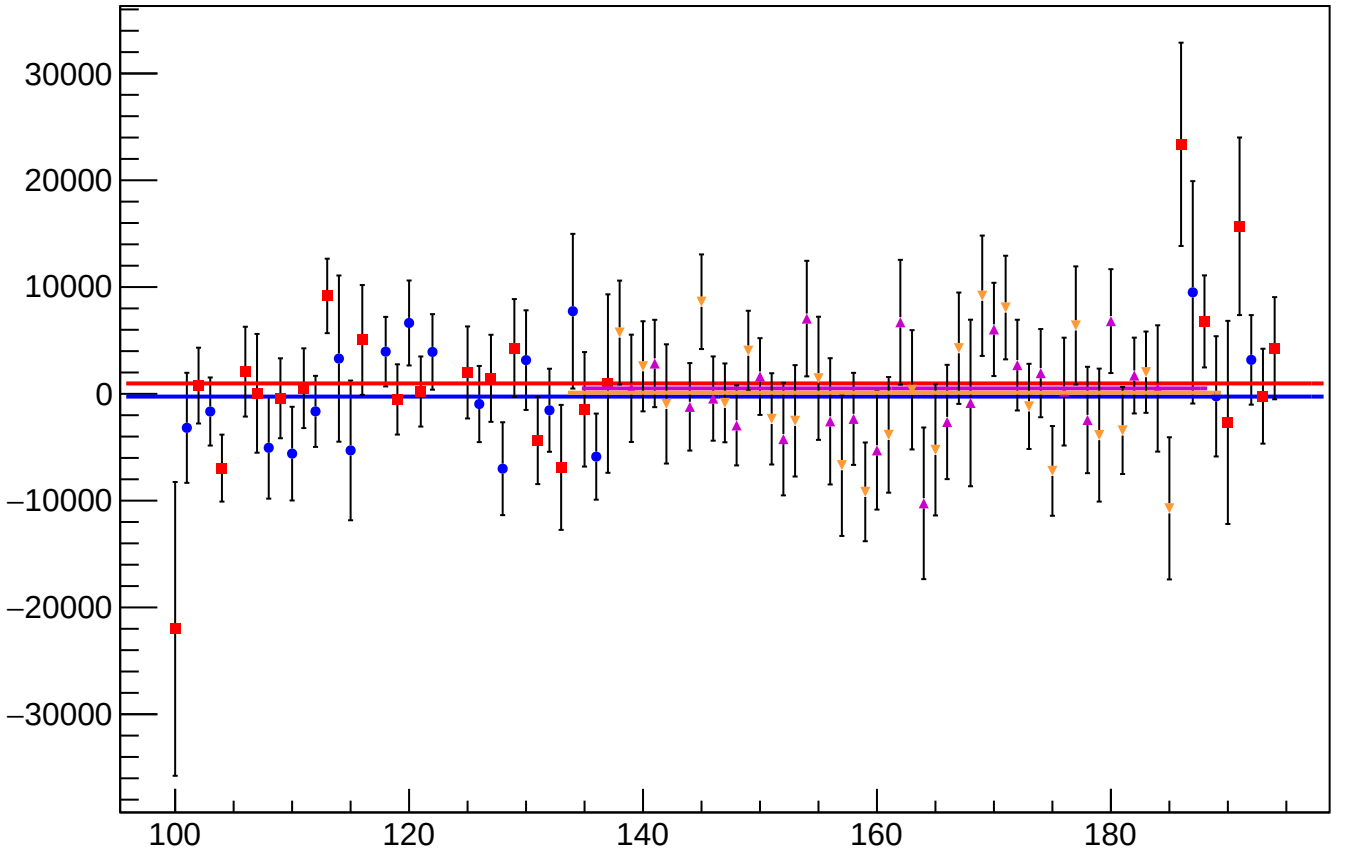
Right Out: 2623.674+/-0.588 χ^2/NDF: 1967803.3/23

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3406.634+/-0.483 χ^2/NDF: 4607024.2/42

All: 3323.190+/-0.329 χ^2/NDF: 10832079.6/8

- sign 3250.691+/-0.450 χ^2/NDF: 6169270.1/46



Right In: -256.256+/-989.354 χ^2/NDF: 17.9/18

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 975.665+/-909.716 χ^2/NDF: 31.3/23

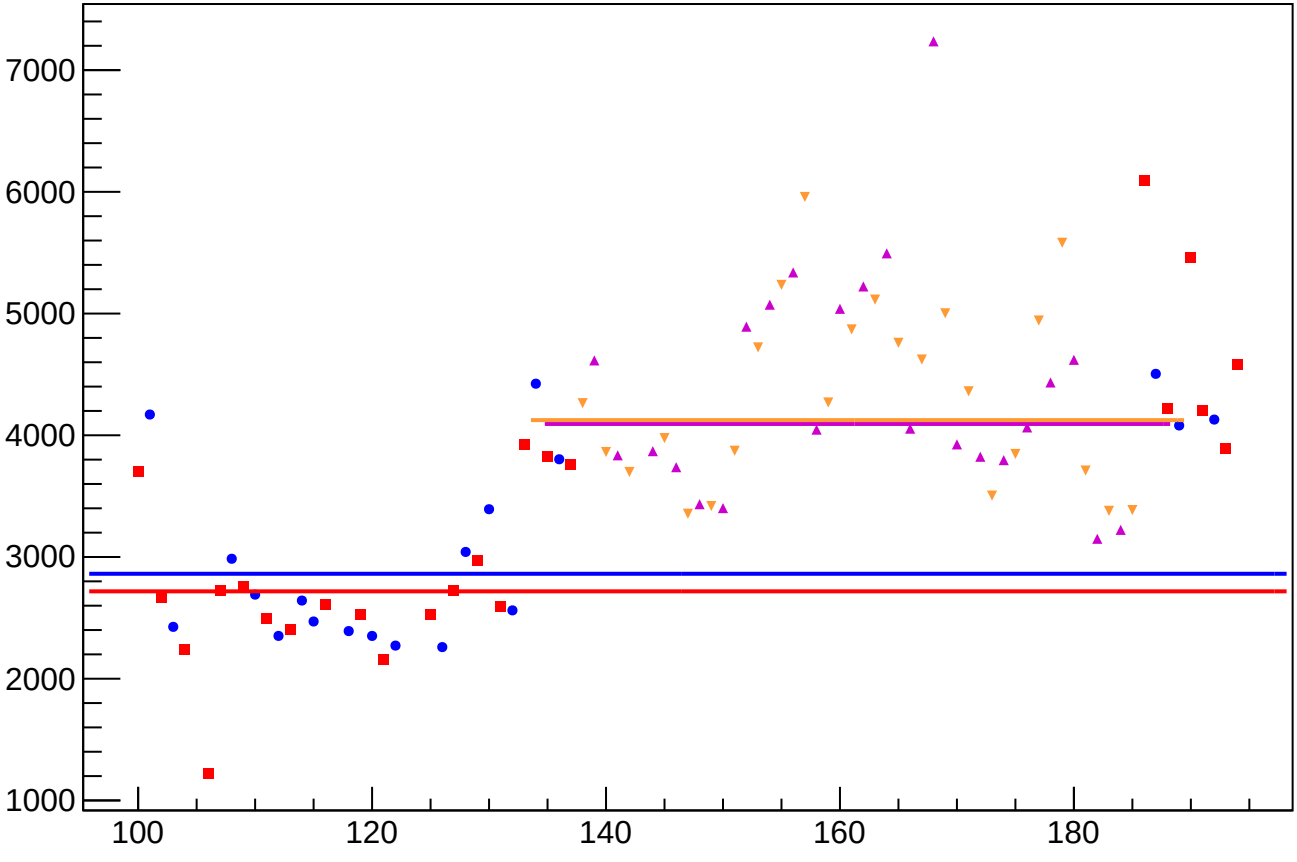
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign -71.089+/-694.665 χ^2/NDF: 46.0/42

All: 361.759+/-480.328 χ^2/NDF: 91.7/89

- sign 758.292+/-664.886 χ^2/NDF: 45.0/46

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

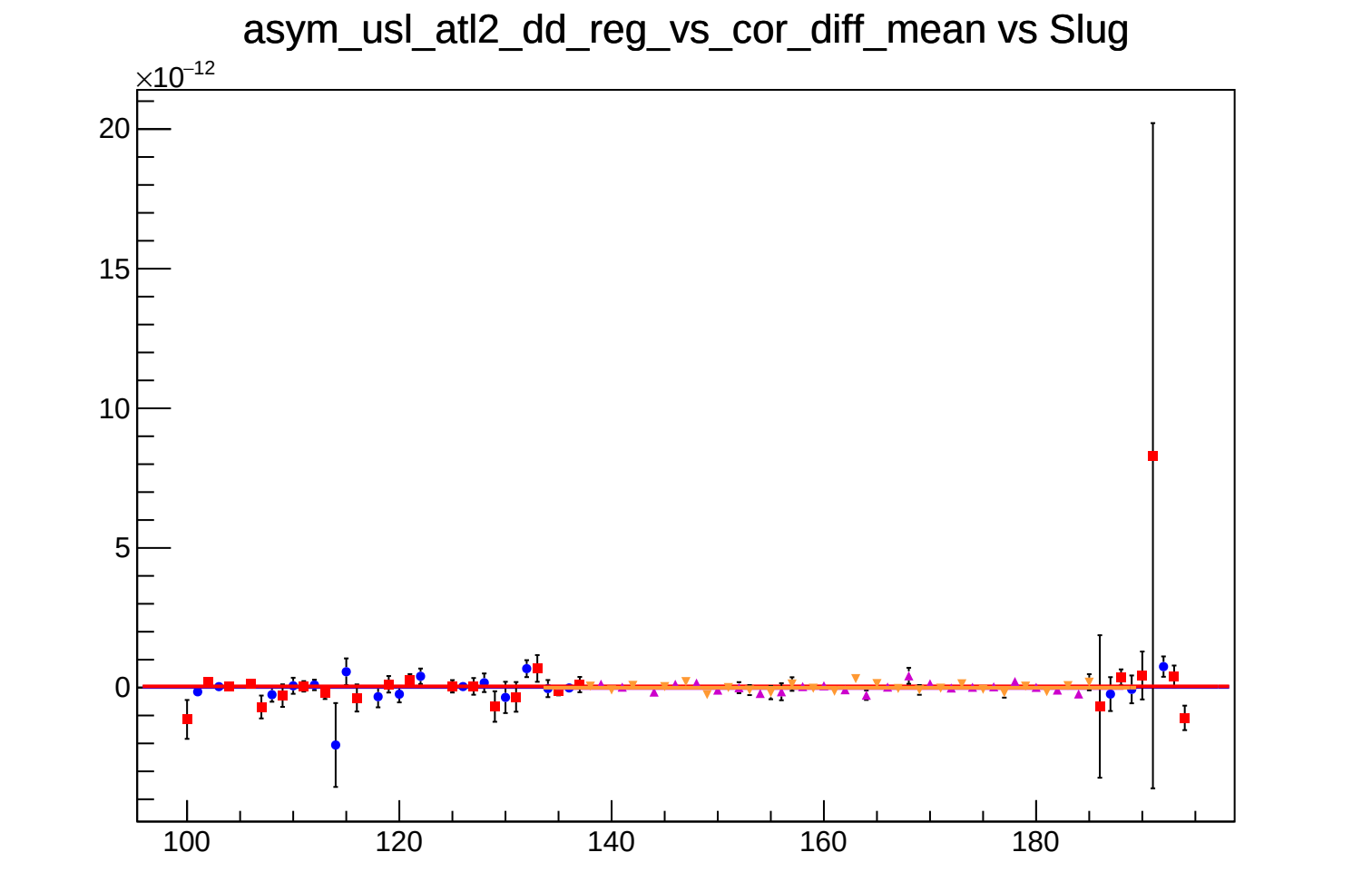
Right Out: 2717.808+/-0.618 χ^2/NDF: 2230339.9/23

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3502.178+/-0.491 χ^2/NDF: 3603802.5/42

All: 3411.094+/-0.336 χ^2/NDF: 9269653.5/89

- sign 3331.199+/-0.460 χ^2/NDF: 5601305.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/23

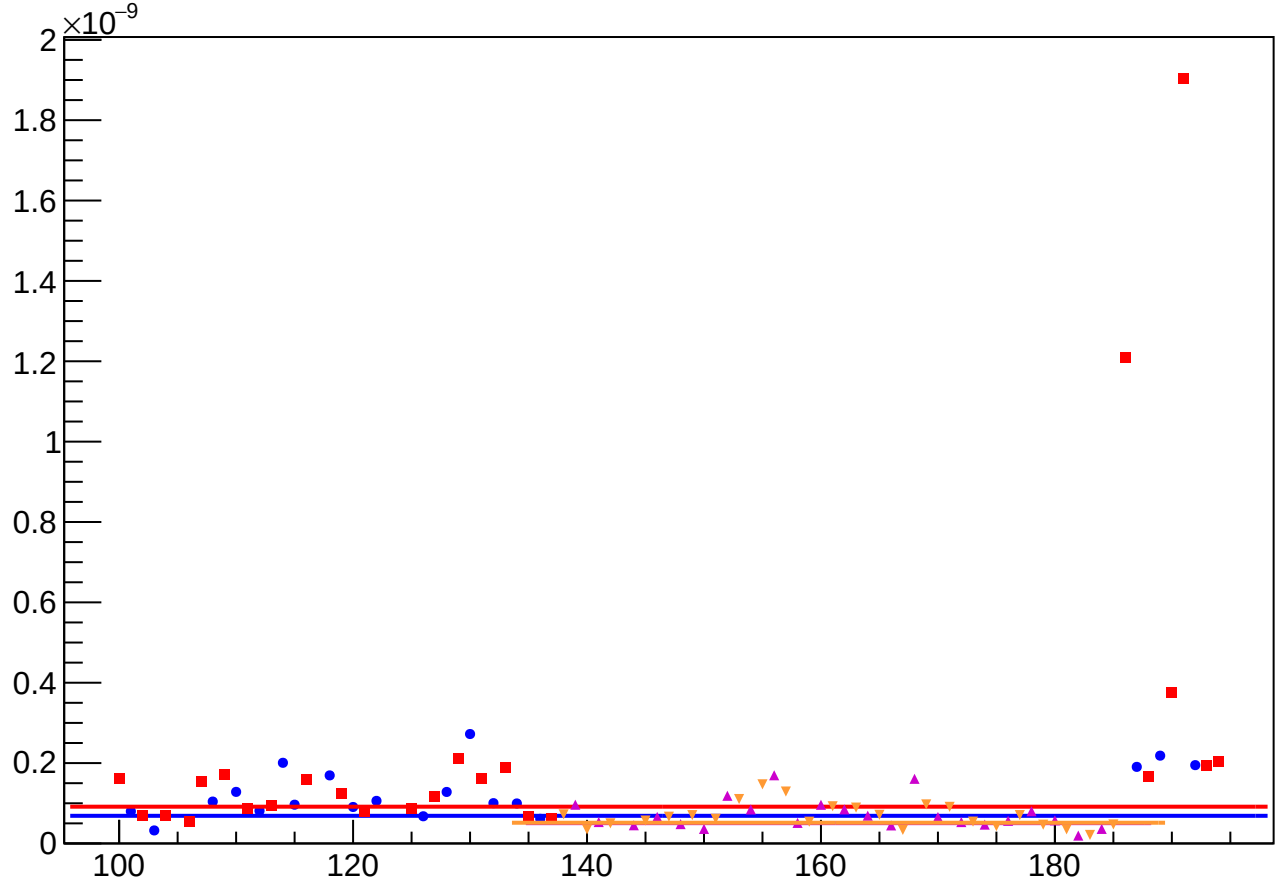
Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.1/42

All: -0.000+/-0.000 χ^2/NDF: 97.6/89

- sign -0.000+/-0.000 χ^2/NDF: 53.4/46

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1738102.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1792711.1/23

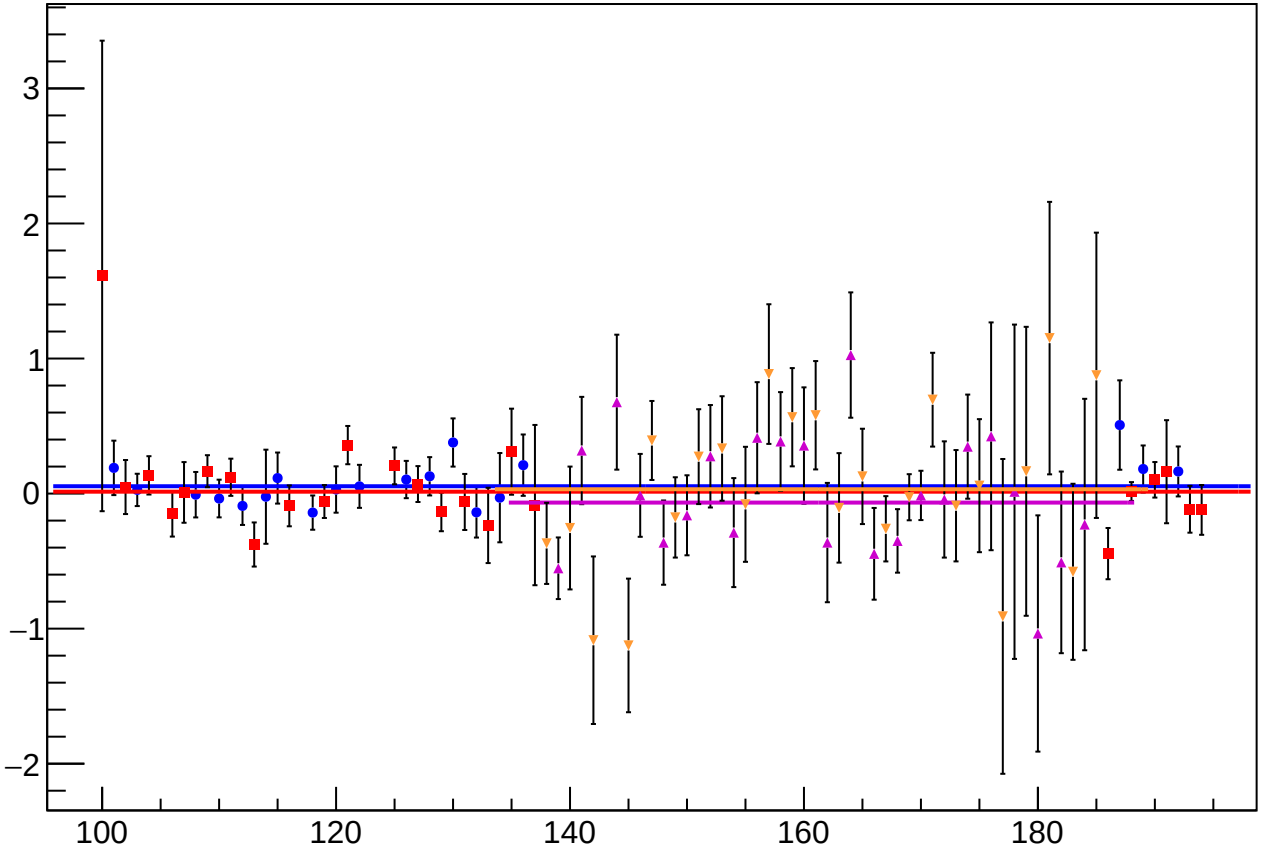
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 4256137.5/42

All: 0.000+/-0.000 χ^2/NDF: 9560942.8/89

- sign 0.000+/-0.000 χ^2/NDF: 5297535.3/46

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: 0.014+/-0.031 χ^2/NDF: 29.9/23

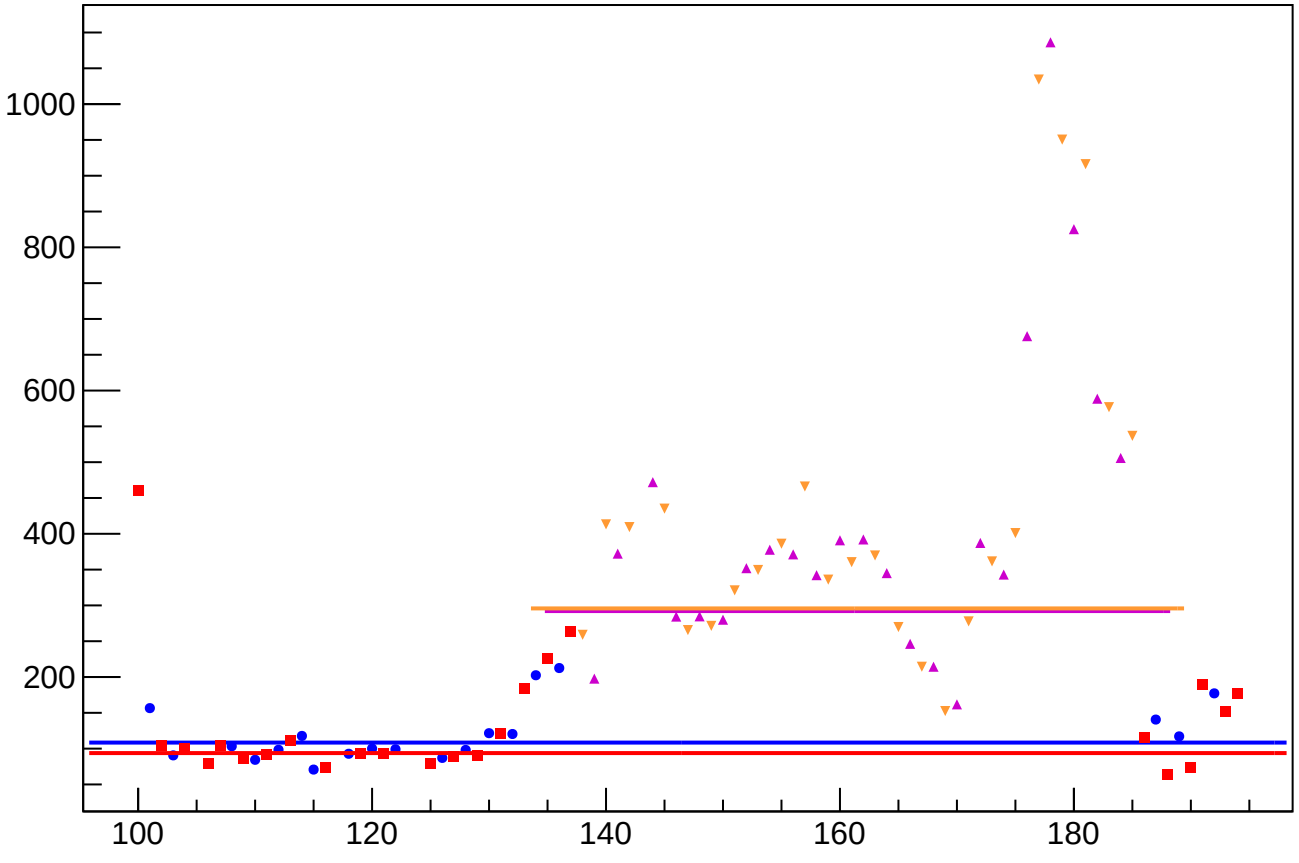
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.050+/-0.035 χ^2/NDF: 42.5/42

All: 0.022+/-0.022 χ^2/NDF: 100.2/89

- sign 0.002+/-0.029 χ^2/NDF: 56.6/46

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: 93.793+/-0.022 χ^2/NDF: 2170469.3/23

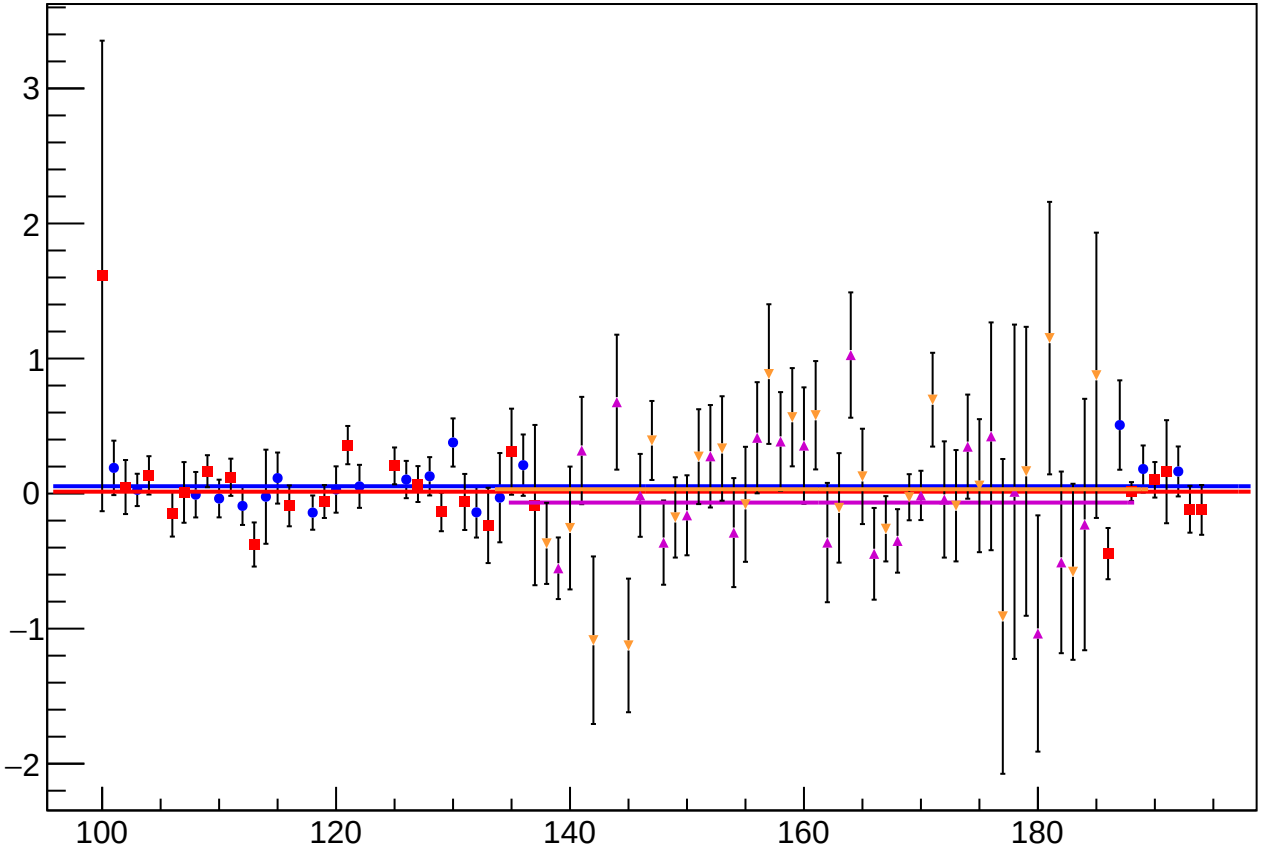
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.136+/-0.024 χ^2/NDF: 16455811.1/42

All: 133.130+/-0.016 χ^2/NDF: 36227693.5/89

- sign 123.356+/-0.020 χ^2/NDF: 19213371.2/46

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: 0.014+/-0.031 χ^2/NDF: 29.9/23

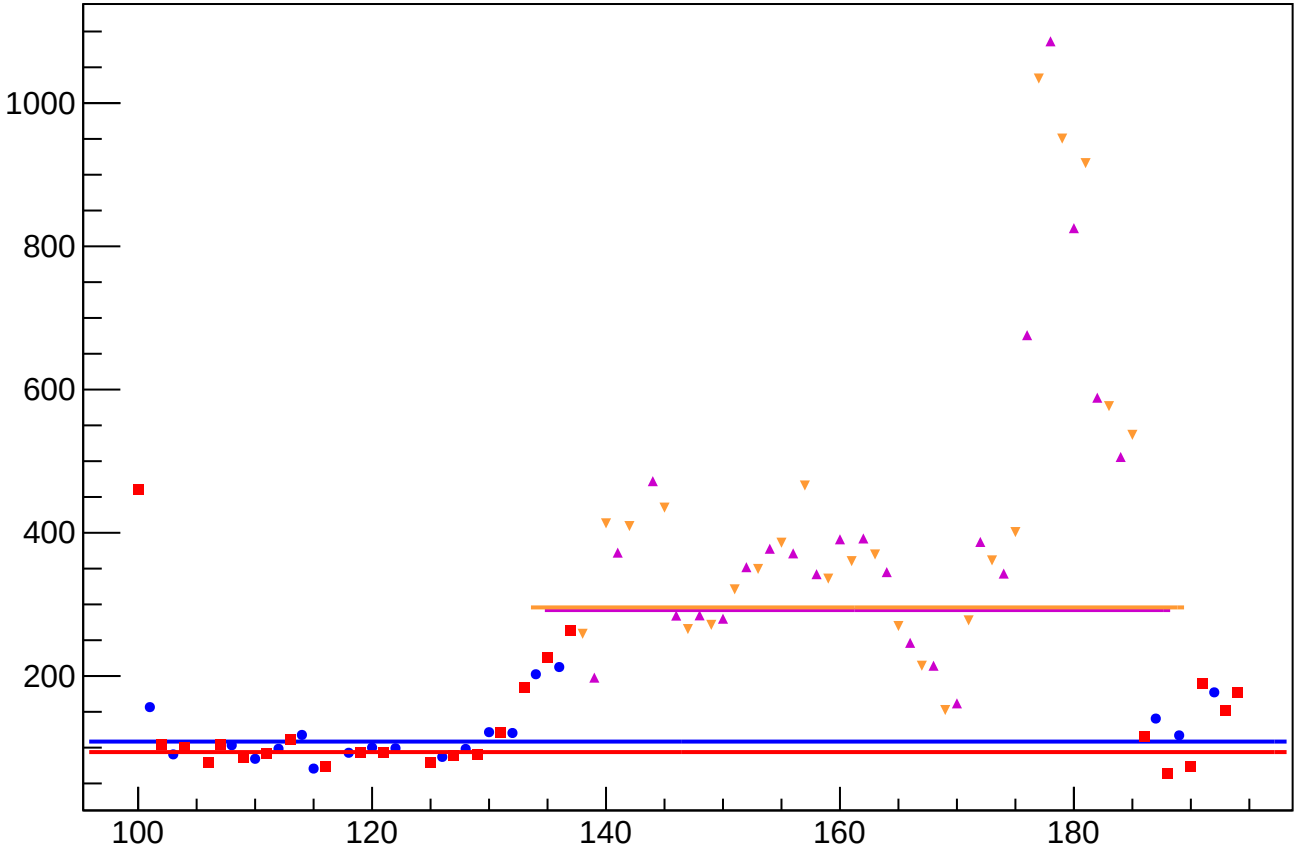
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.050+/-0.035 χ^2/NDF: 42.5/42

All: 0.022+/-0.022 χ^2/NDF: 100.2/89

- sign 0.002+/-0.029 χ^2/NDF: 56.6/46

asym_usl_atl2_dd_dit_vs_eigen_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: 93.793+/-0.022 χ^2/NDF: 2170469.3/23

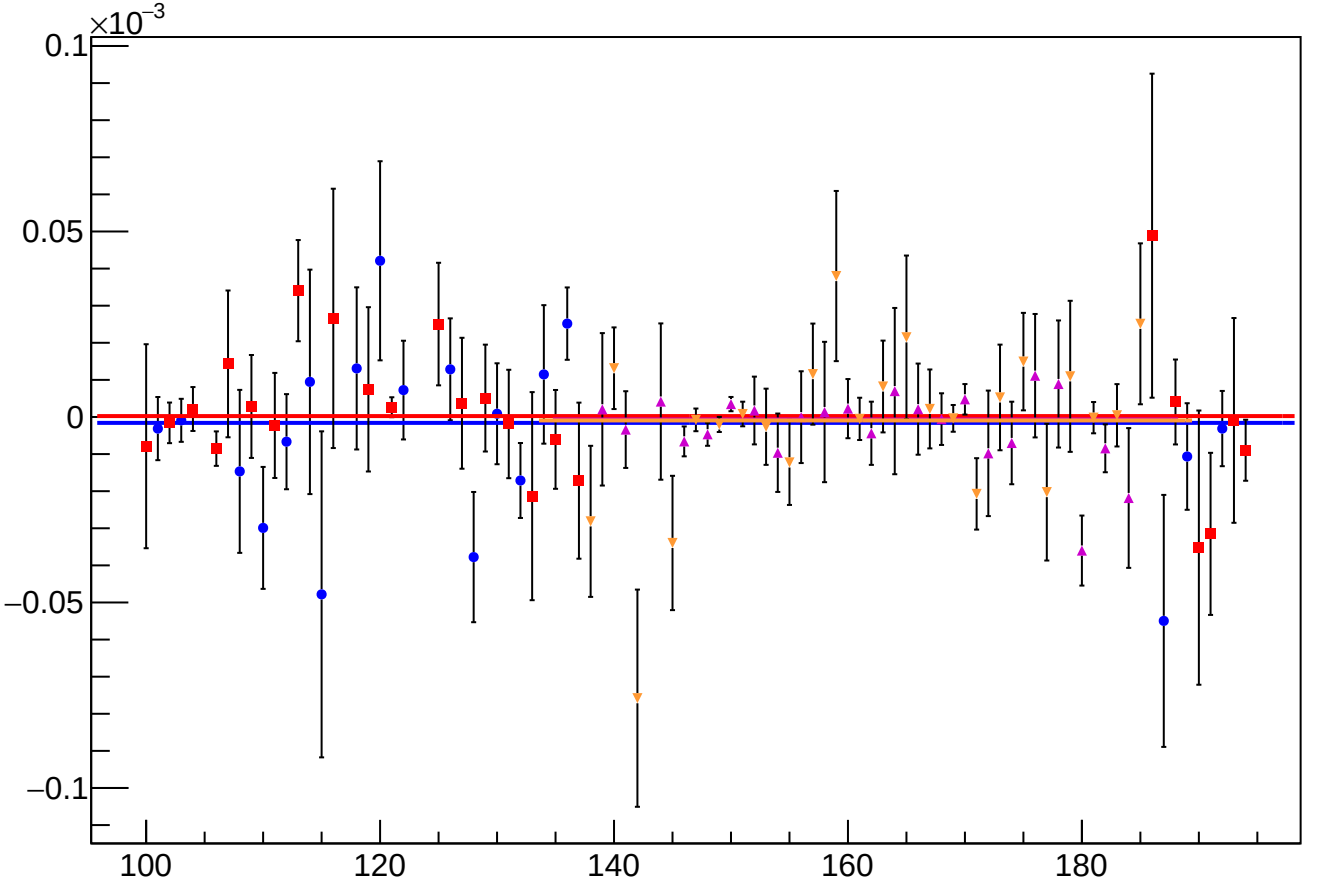
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.136+/-0.024 χ^2/NDF: 16455811.1/42

All: 133.130+/-0.016 χ^2/NDF: 36227693.5/89

- sign 123.356+/-0.020 χ^2/NDF: 19213371.2/46

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

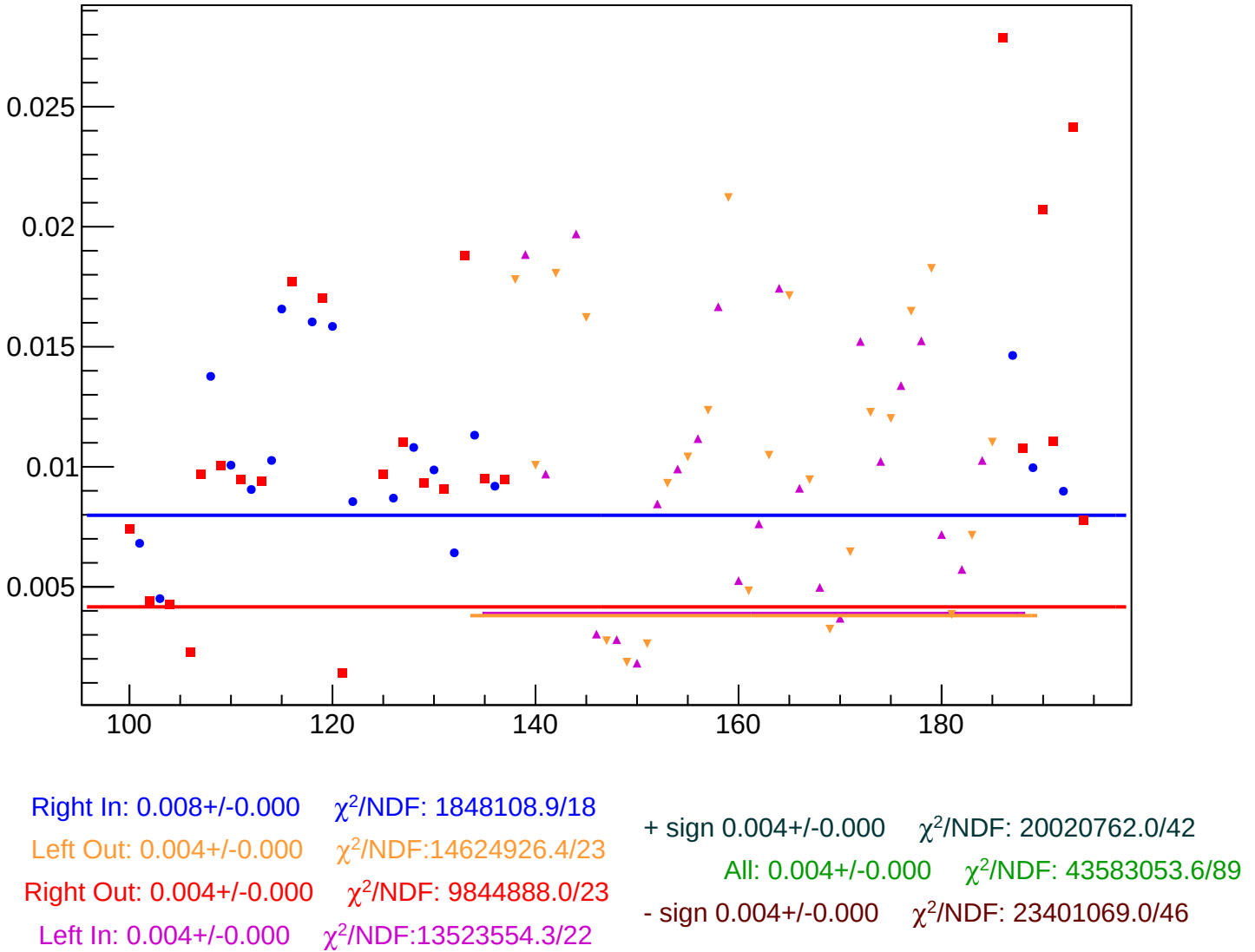
Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/23

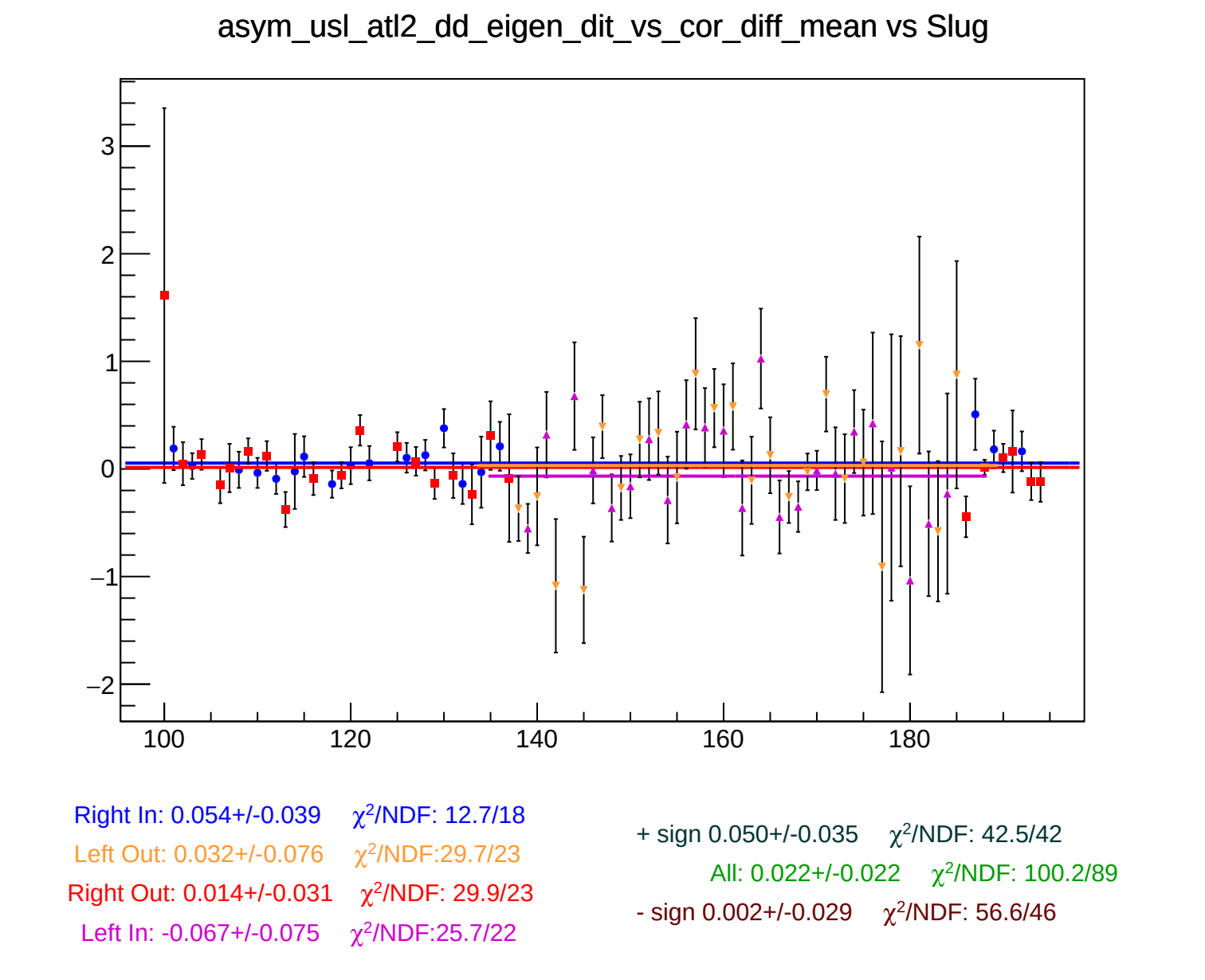
Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

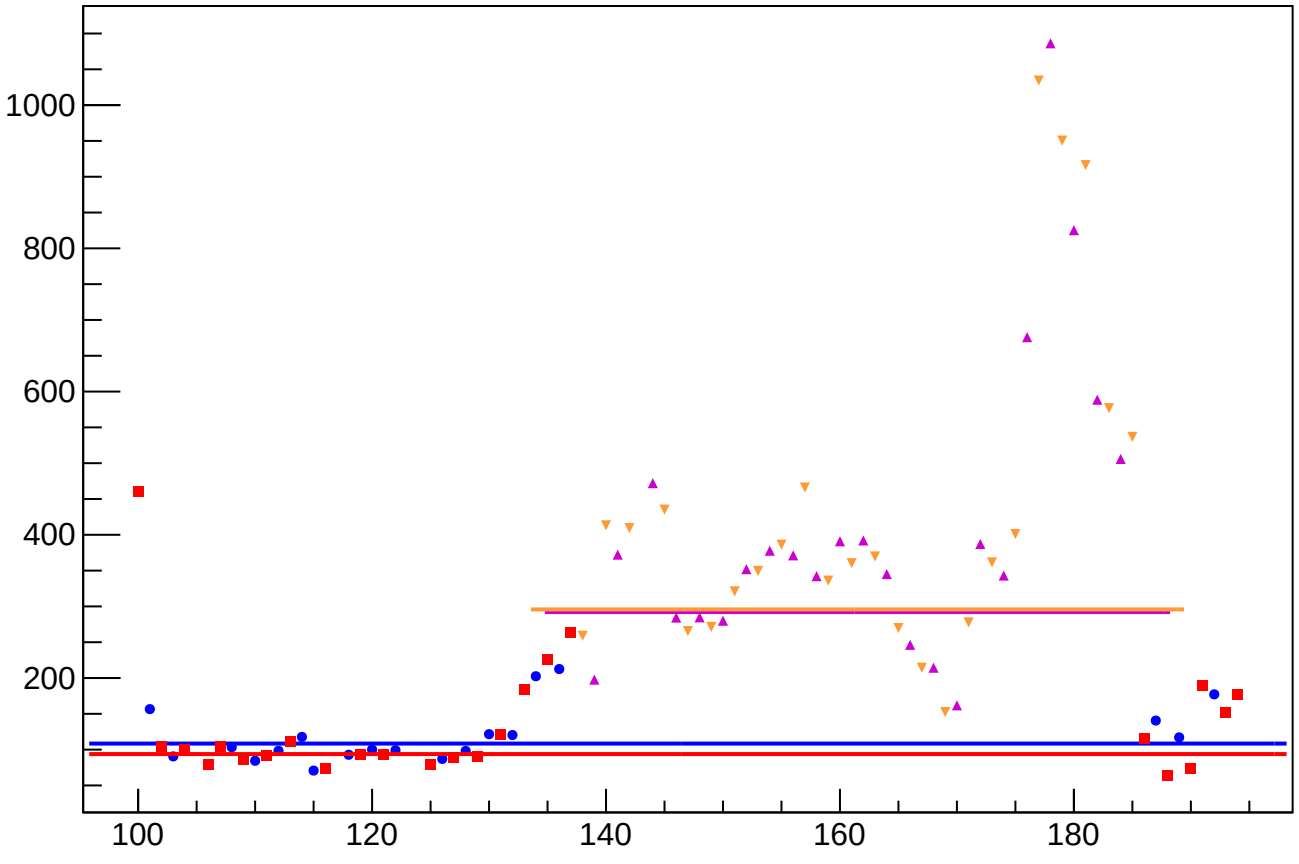
+ sign -0.000+/-0.000 χ^2/NDF: 56.1/42

All: -0.000+/-0.000 χ^2/NDF: 107.9/89

- sign -0.000+/-0.000 χ^2/NDF: 51.6/46


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
Right In: 0.008+/-0.000 χ²/NDF: 1848108.9/18
Left Out: 0.004+/-0.000 χ²/NDF:14624926.4/23
Right Out: 0.004+/-0.000 χ²/NDF: 9844888.0/23
Left In: 0.004+/-0.000 χ²/NDF:13523554.3/22
+ sign 0.004+/-0.000 χ²/NDF: 20020762.0/42
All: 0.004+/-0.000 χ²/NDF: 43583053.6/89
- sign 0.004+/-0.000 χ²/NDF: 23401069.0/46


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: 0.014+/-0.031 χ²/NDF: 29.9/23
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.050+/-0.035 χ²/NDF: 42.5/42
All: 0.022+/-0.022 χ²/NDF: 100.2/89
- sign 0.002+/-0.029 χ²/NDF: 56.6/46



Right In: 108.457+/-0.027 χ^2/NDF: 1312391.8/18

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

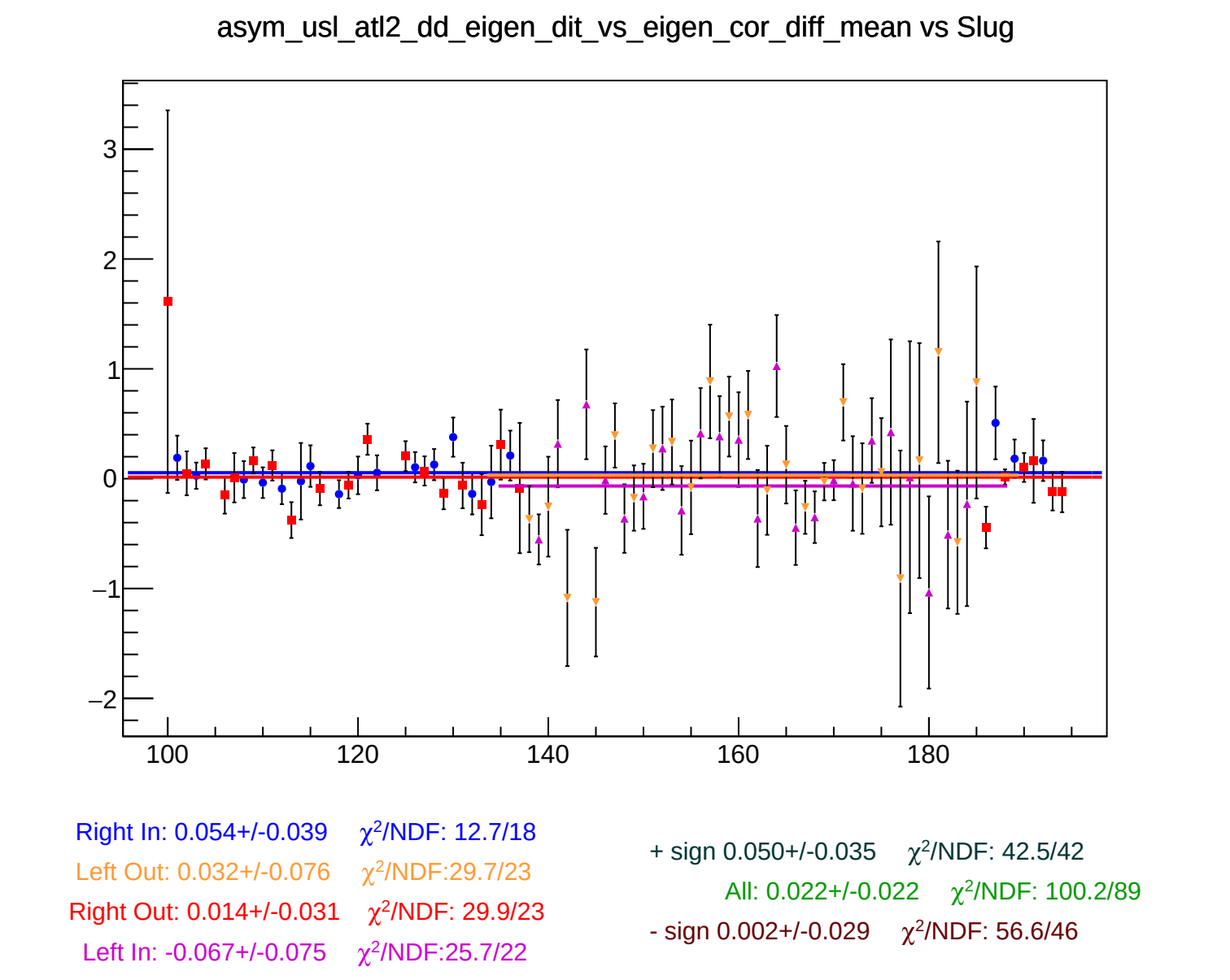
Right Out: 93.792+/-0.022 χ^2/NDF: 2170554.4/23

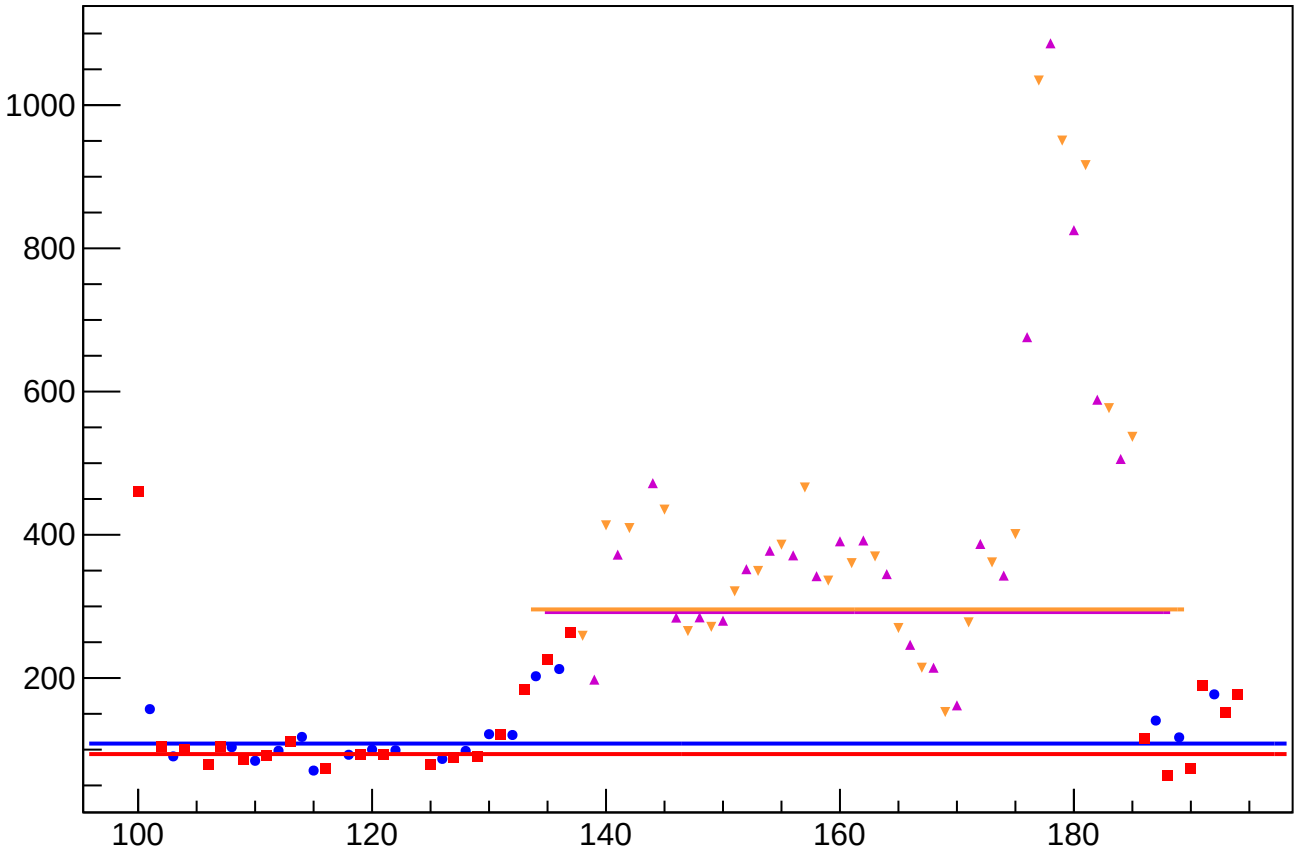
Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.137+/-0.024 χ^2/NDF: 16455821.3/42

All: 133.129+/-0.016 χ^2/NDF: 36228260.4/89

- sign 123.354+/-0.020 χ^2/NDF: 19213813.6/46


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.054+/-0.039 χ²/NDF: 12.7/18
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.014+/-0.031 χ²/NDF: 29.9/23
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.050+/-0.035 χ²/NDF: 42.5/42
All: 0.022+/-0.022 χ²/NDF: 100.2/89
- sign 0.002+/-0.029 χ²/NDF: 56.6/46



Right In: 108.457+/-0.027 χ^2/NDF: 1312391.8/18

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

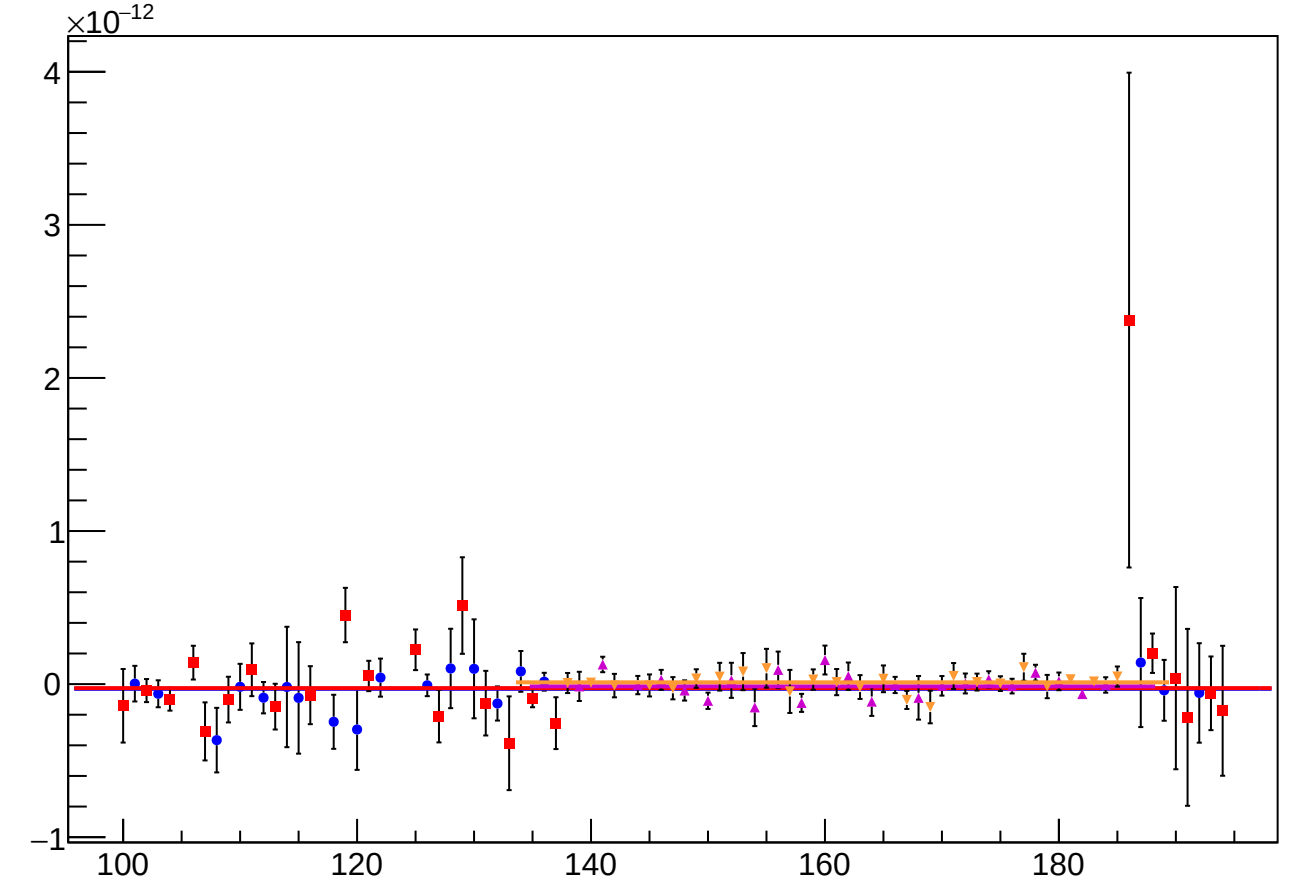
Right Out: 93.792+/-0.022 χ^2/NDF: 2170554.4/23

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.137+/-0.024 χ^2/NDF: 16455821.3/42

All: 133.129+/-0.016 χ^2/NDF: 36228260.4/89

- sign 123.354+/-0.020 χ^2/NDF: 19213813.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 8.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

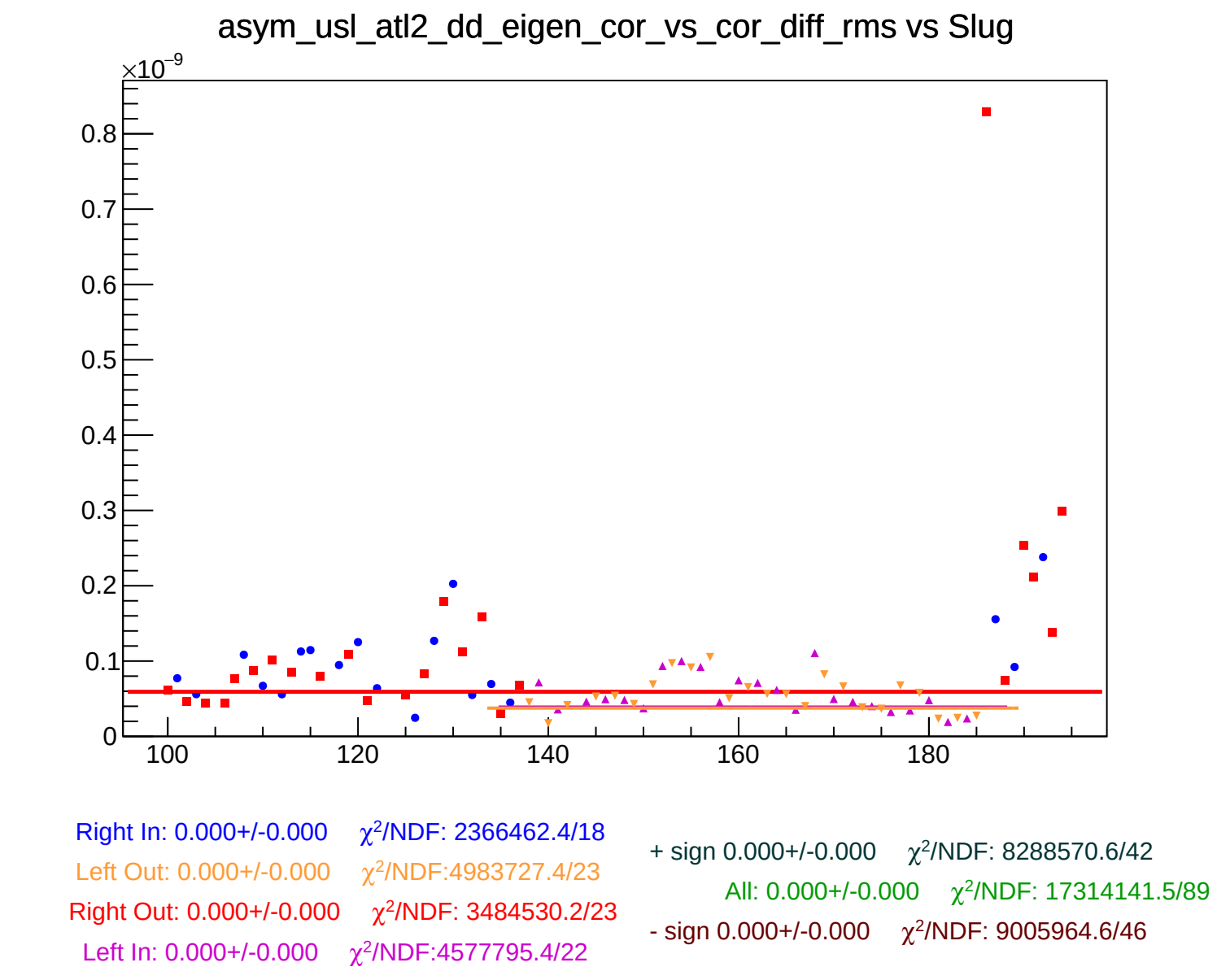
Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/23

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

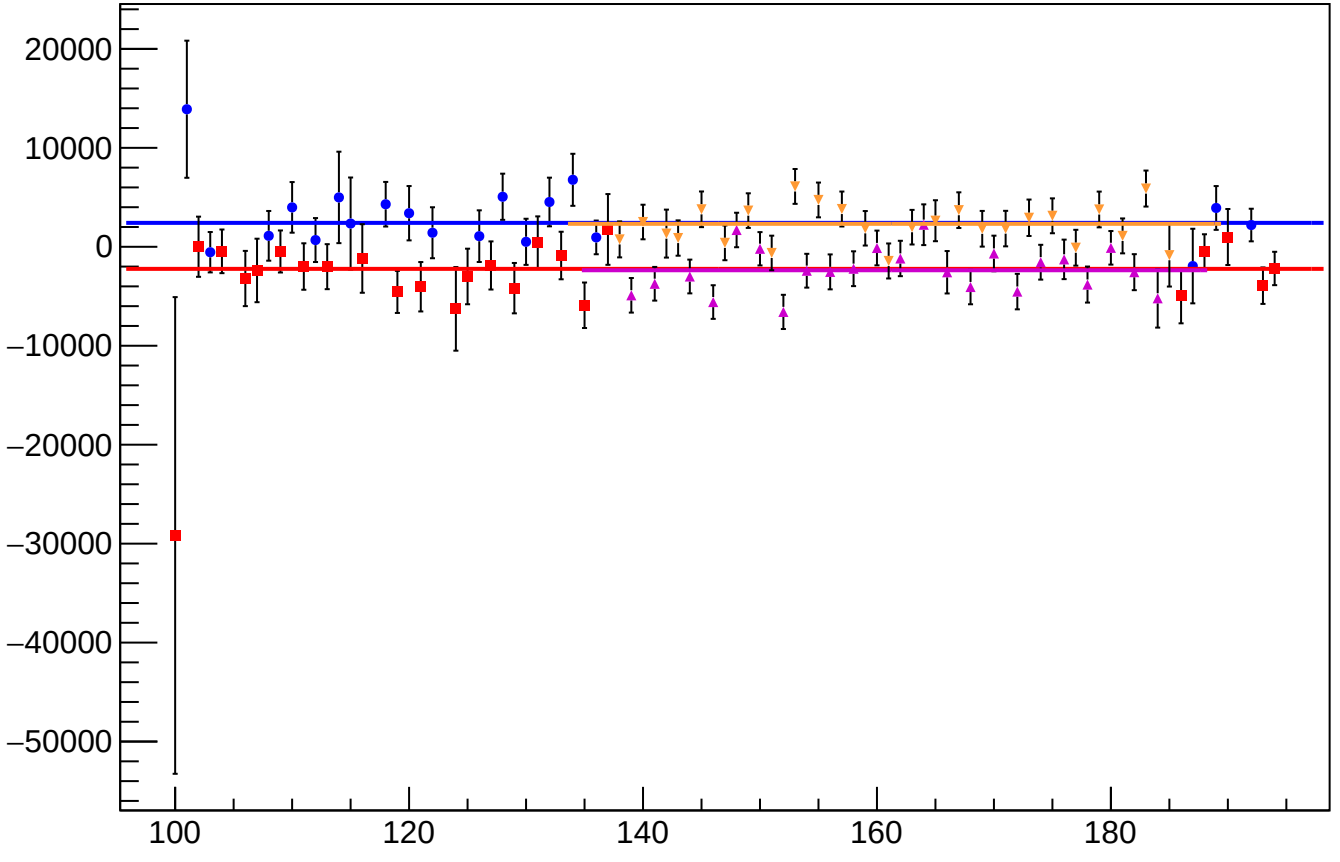
+ sign 0.000+/-0.000 χ^2/NDF: 21.2/42

All: -0.000+/-0.000 χ^2/NDF: 87.0/89

- sign -0.000+/-0.000 χ^2/NDF: 63.8/46


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: 3484530.2/23
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: 17314141.5/89
- sign 0.000+/-0.000 χ²/NDF: 9005964.6/46

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2418.104+/-562.479 χ^2/NDF: 15.7/18

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2230.424+/-504.674 χ^2/NDF: 16.0/23

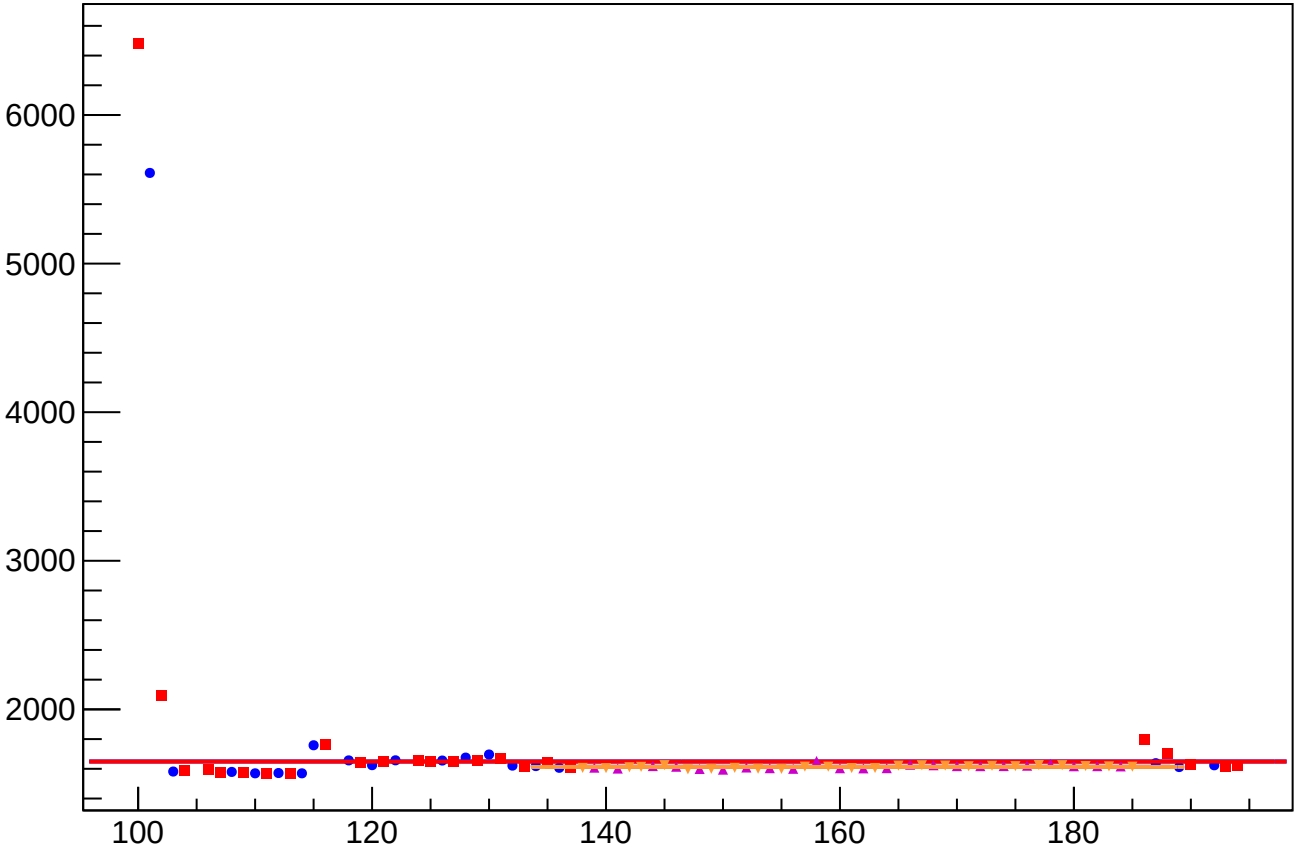
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2349.964+/-306.951 χ^2/NDF: 43.2/43

All: -23.765+/-215.249 χ^2/NDF: 210.6/90

- sign -2320.447+/-301.928 χ^2/NDF: 49.8/46

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: 1648.603+/-0.357 χ^2/NDF: 145631.0/23

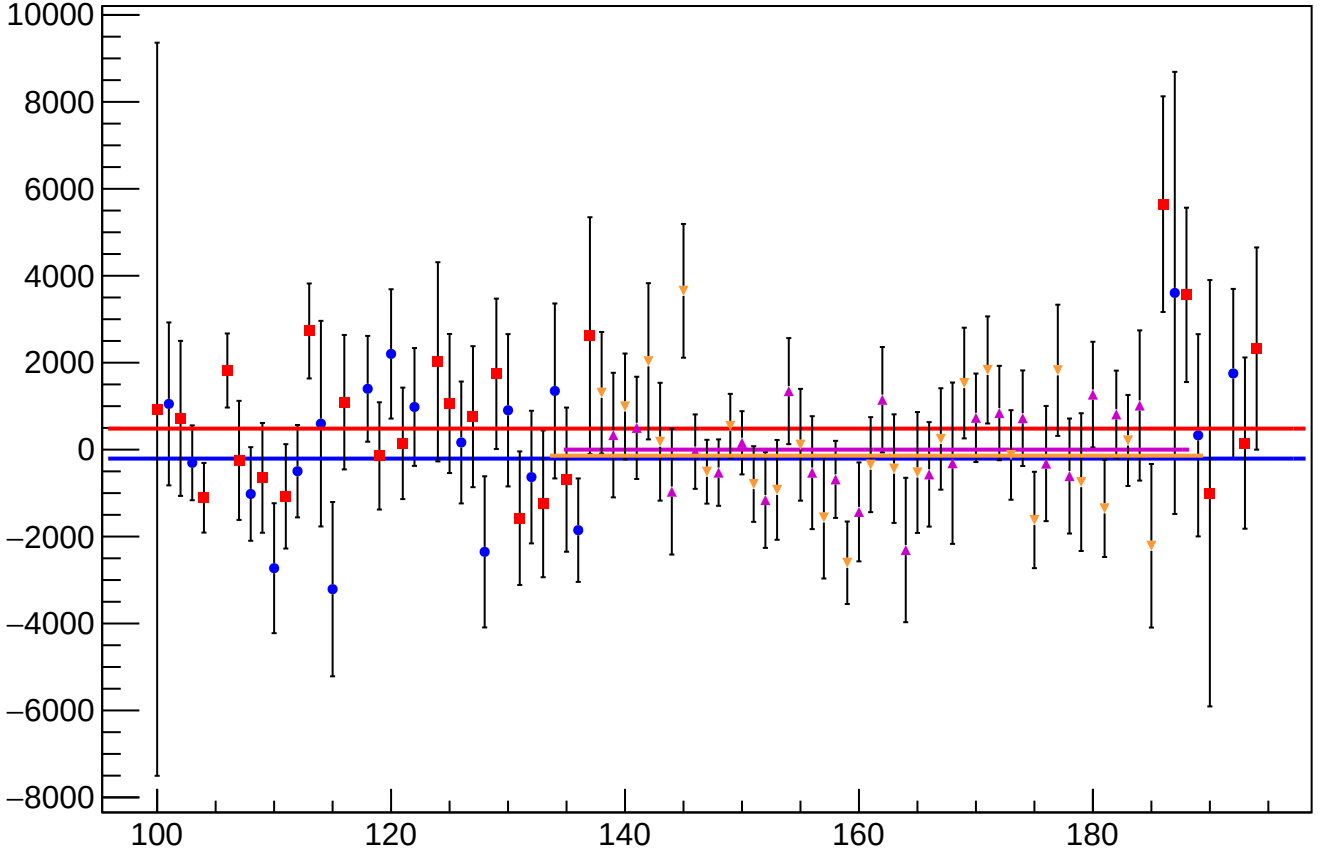
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.605+/-0.217 χ^2/NDF: 674795.5/43

All: 1624.950+/-0.152 χ^2/NDF: 828966.0/90

- sign 1626.252+/-0.213 χ^2/NDF: 154094.9/46

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: 483.639+/-300.096 χ^2/NDF: 26.5/23

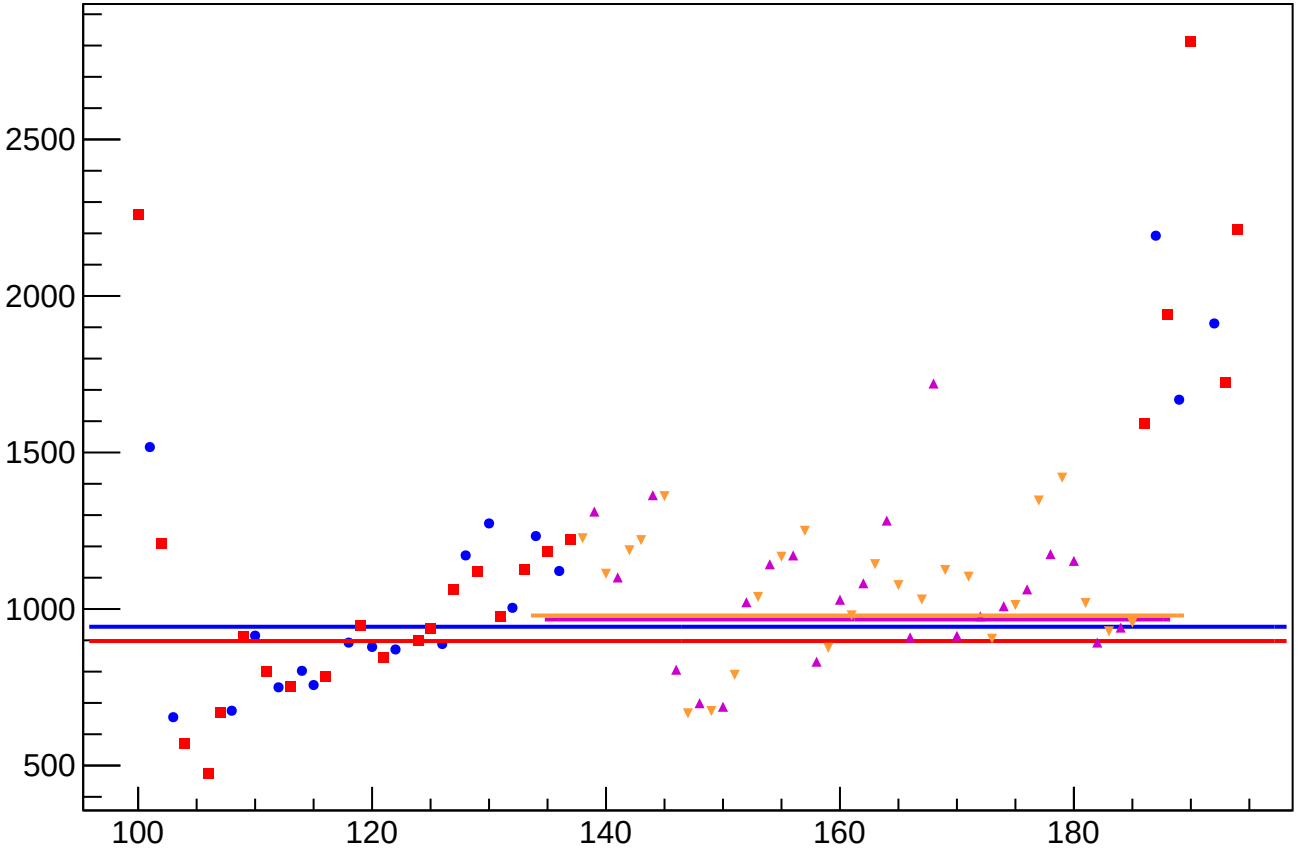
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -160.544+/-188.934 χ^2/NDF: 47.8/43

All: 15.153+/-131.633 χ^2/NDF: 90.5/90

- sign 180.886+/-183.498 χ^2/NDF: 40.9/46

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

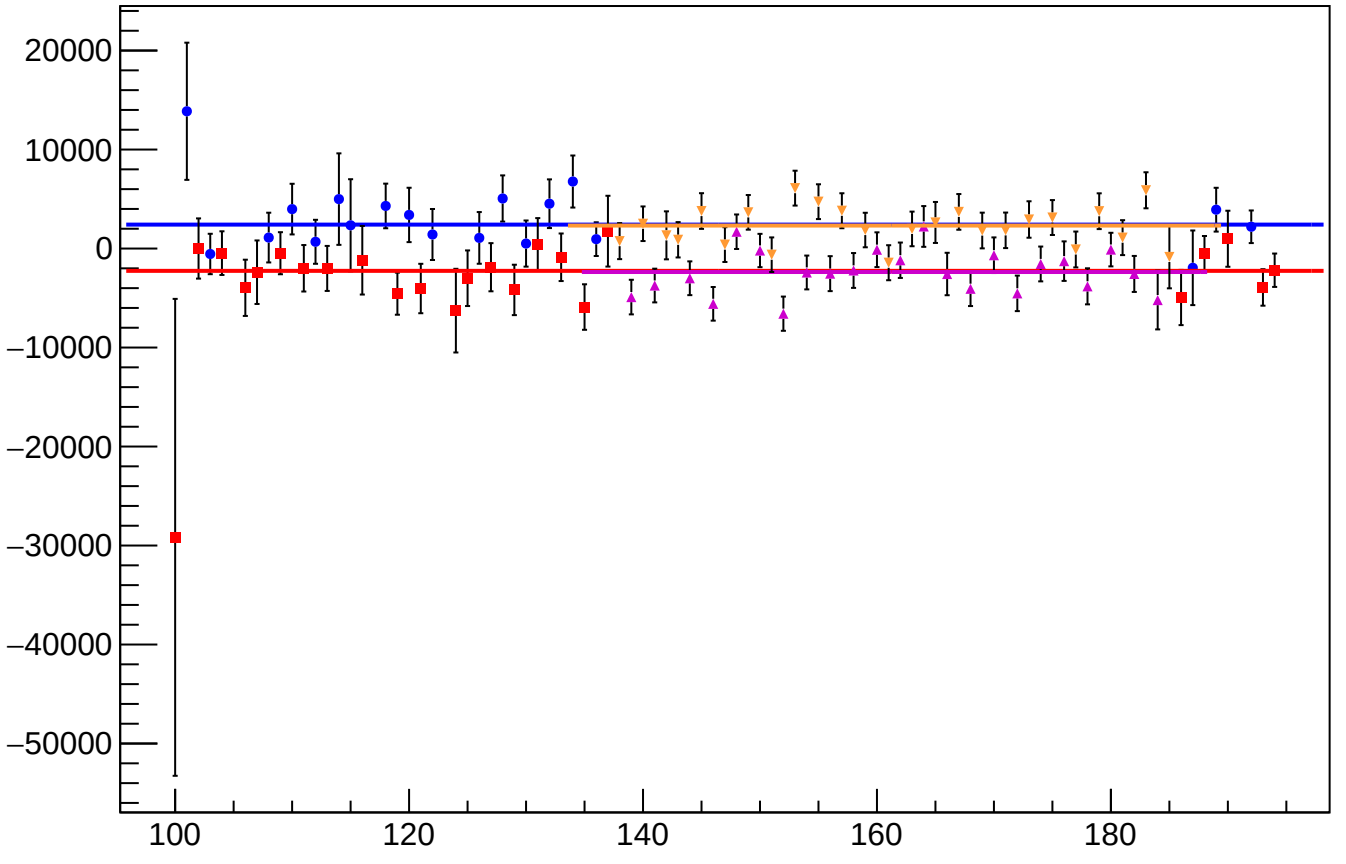
Right Out: 897.769+/-0.212 χ^2/NDF: 3240859.1/23

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 967.794+/-0.134 χ^2/NDF: 3297257.8/43

All: 953.912+/-0.093 χ^2/NDF: 8227426.9/90

- sign 940.819+/-0.130 χ^2/NDF: 4909189.5/46



Right In: 2417.658+/-562.479 χ^2/NDF: 15.6/18

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2253.639+/-504.958 χ^2/NDF: 16.2/23

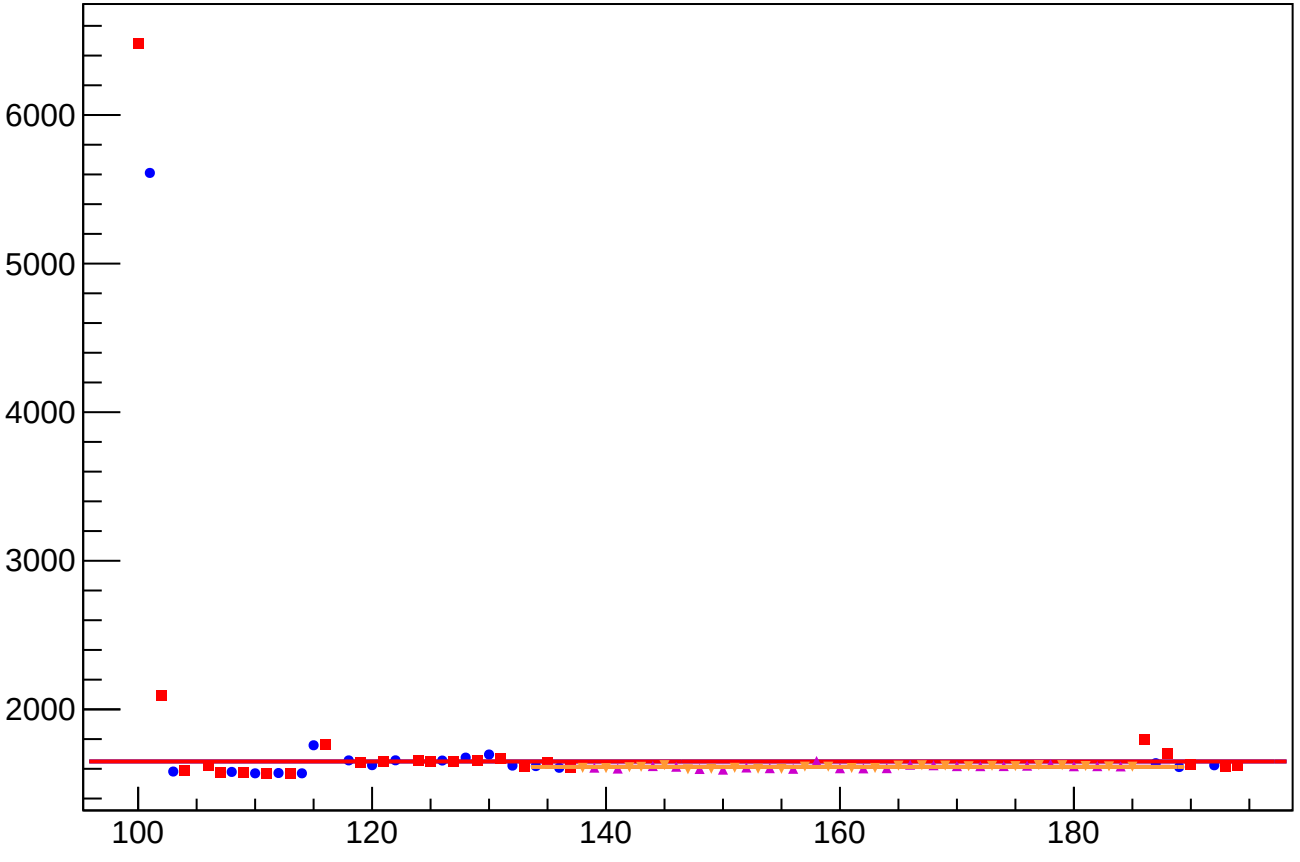
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2349.802+/-306.951 χ^2/NDF: 43.2/43

All: -27.636+/-215.271 χ^2/NDF: 211.2/90

- sign -2328.832+/-301.989 χ^2/NDF: 50.0/46

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: 1649.502+/-0.357 χ^2/NDF: 145046.3/23

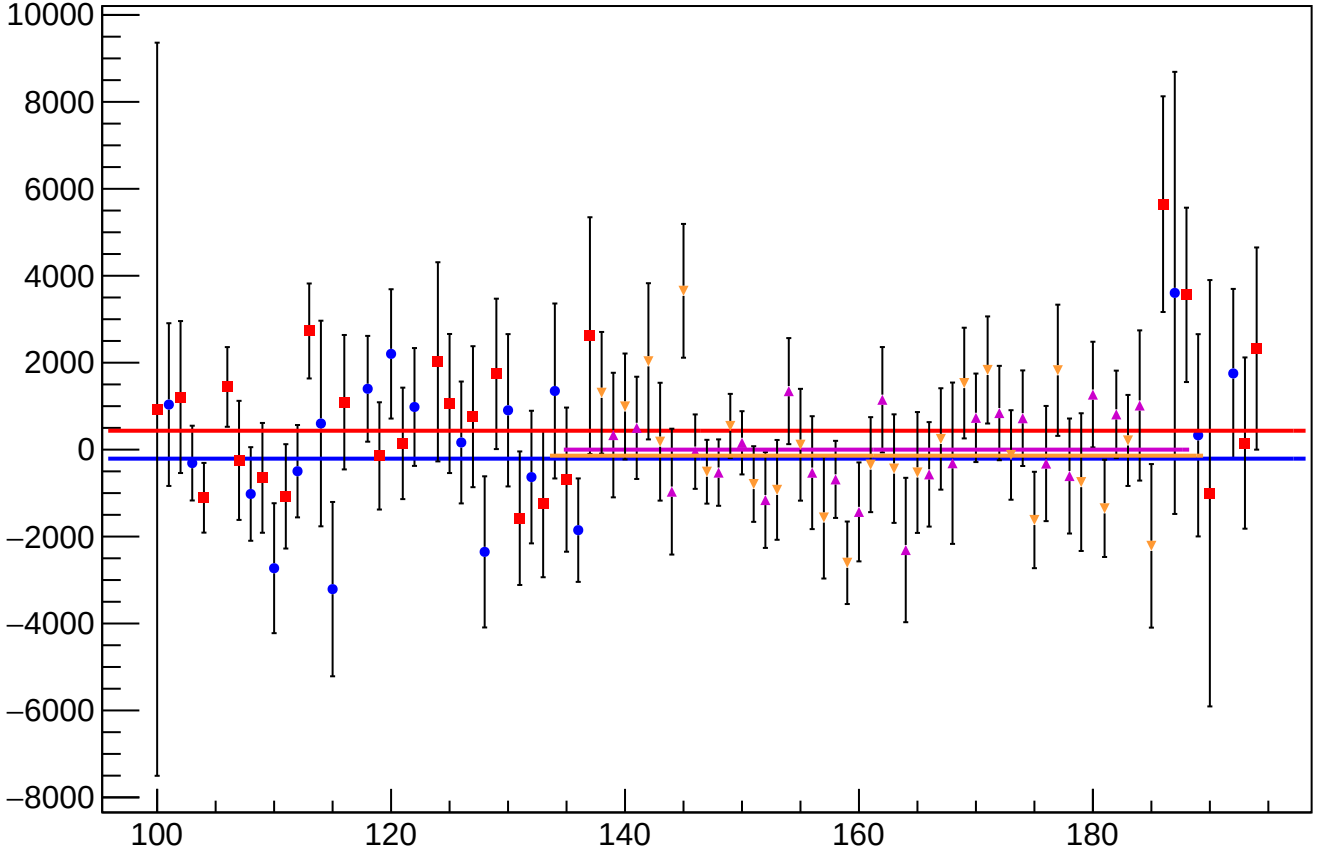
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.605+/-0.217 χ^2/NDF: 674795.0/43

All: 1625.109+/-0.152 χ^2/NDF: 828714.8/90

- sign 1626.565+/-0.214 χ^2/NDF: 153825.3/46

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

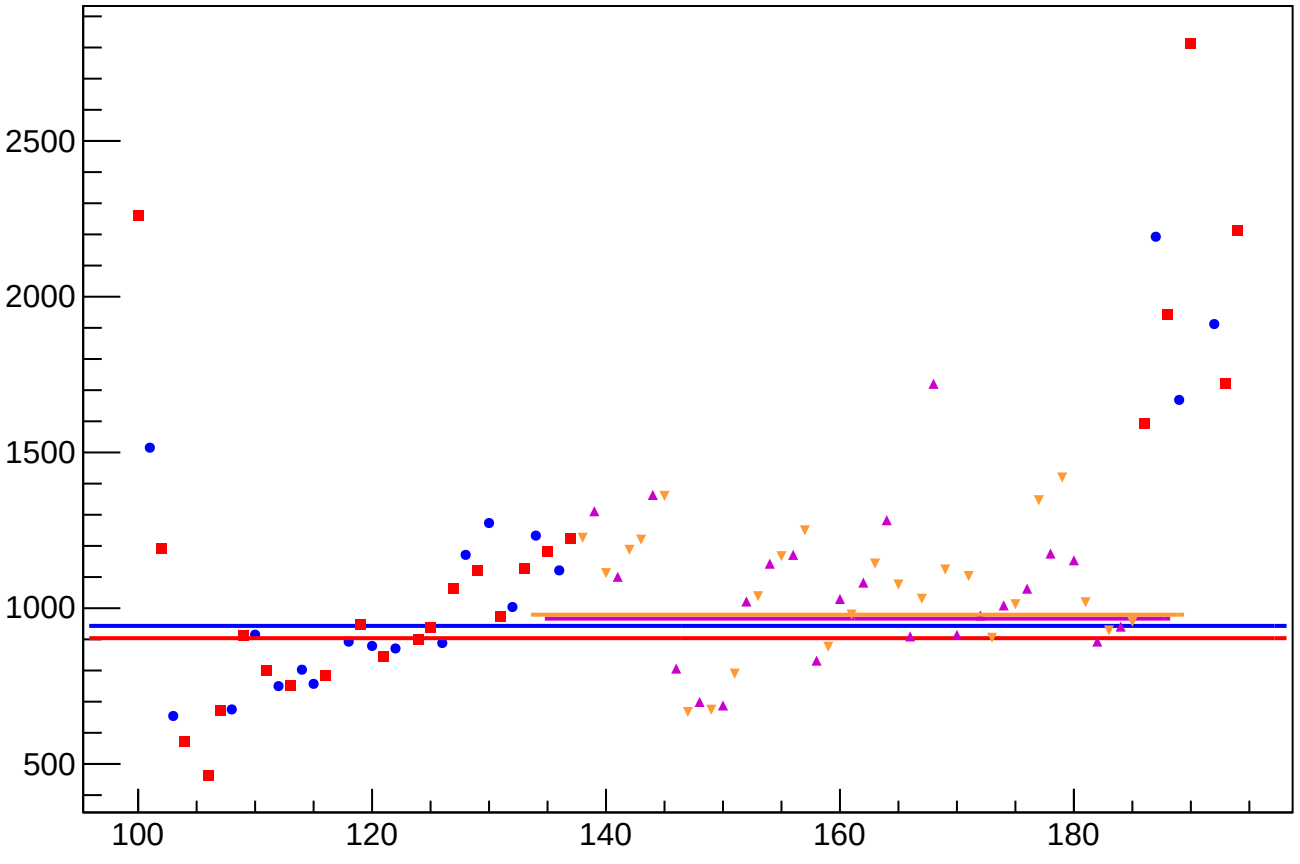
Right Out: 434.712+/-302.537 χ^2/NDF: 25.2/23

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -160.997+/-188.926 χ^2/NDF: 47.8/43

All: 4.173+/-131.834 χ^2/NDF: 88.7/90

- sign 160.932+/-184.053 χ^2/NDF: 39.4/46



Right In: 943.253+/-0.236 χ^2/NDF: 1650842.7/18

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

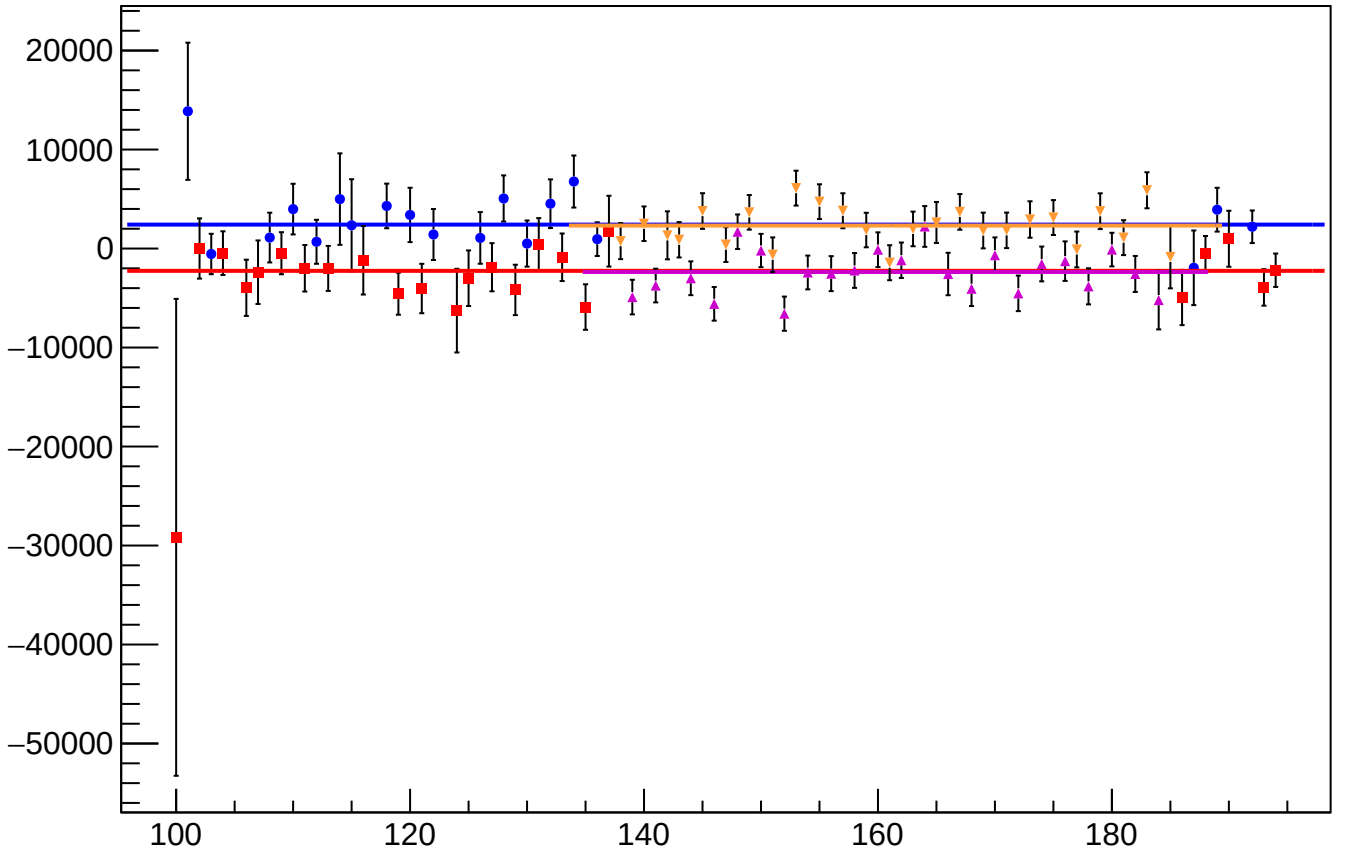
Right Out: 903.811+/-0.214 χ^2/NDF: 3189039.9/23

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 967.753+/-0.134 χ^2/NDF: 3297409.6/43

All: 955.216+/-0.093 χ^2/NDF: 8160321.2/90

- sign 943.318+/-0.130 χ^2/NDF: 4845746.9/46



Right In: 2417.658+/-562.479 χ^2/NDF: 15.6/18

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2253.639+/-504.958 χ^2/NDF: 16.2/23

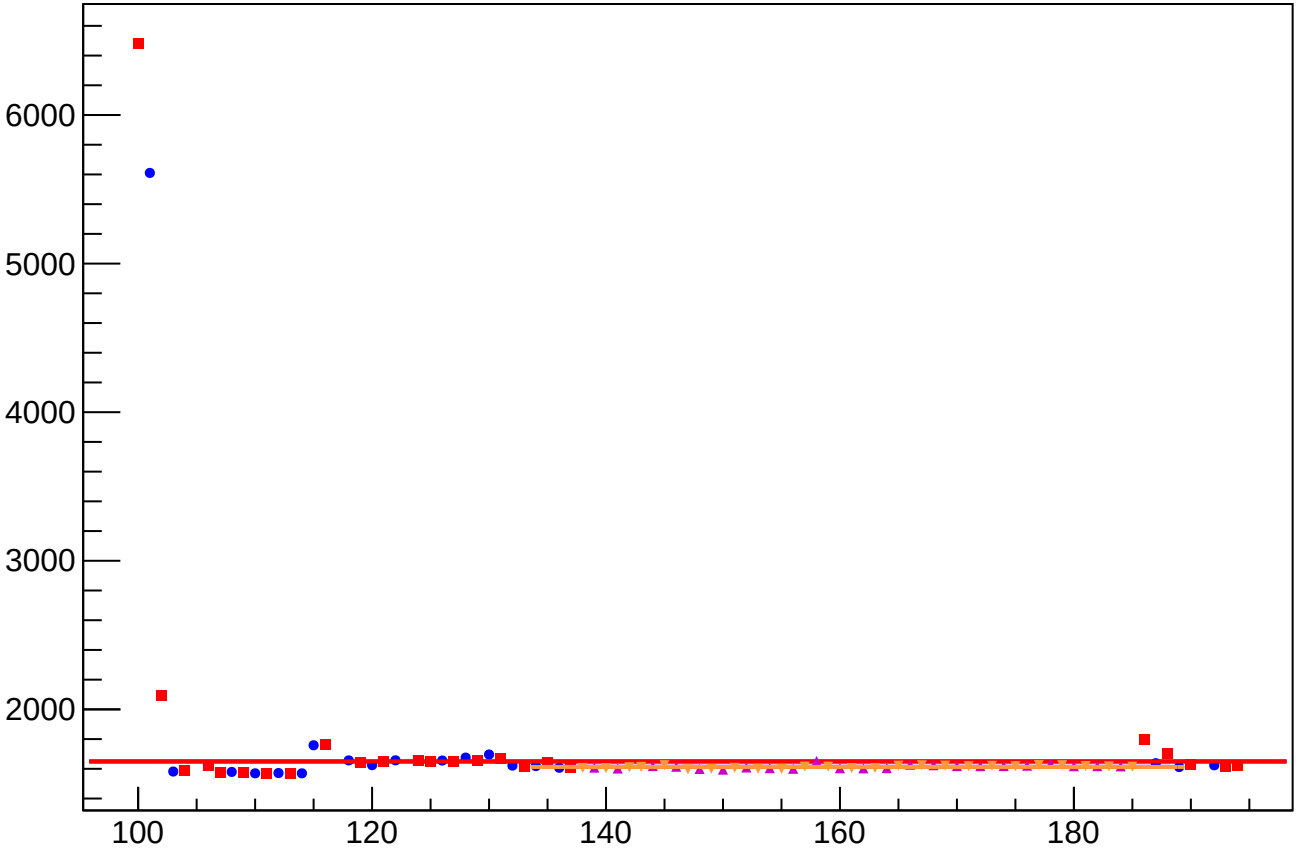
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2349.802+/-306.951 χ^2/NDF: 43.2/43

All: -27.636+/-215.271 χ^2/NDF: 211.2/90

- sign -2328.832+/-301.989 χ^2/NDF: 50.0/46

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

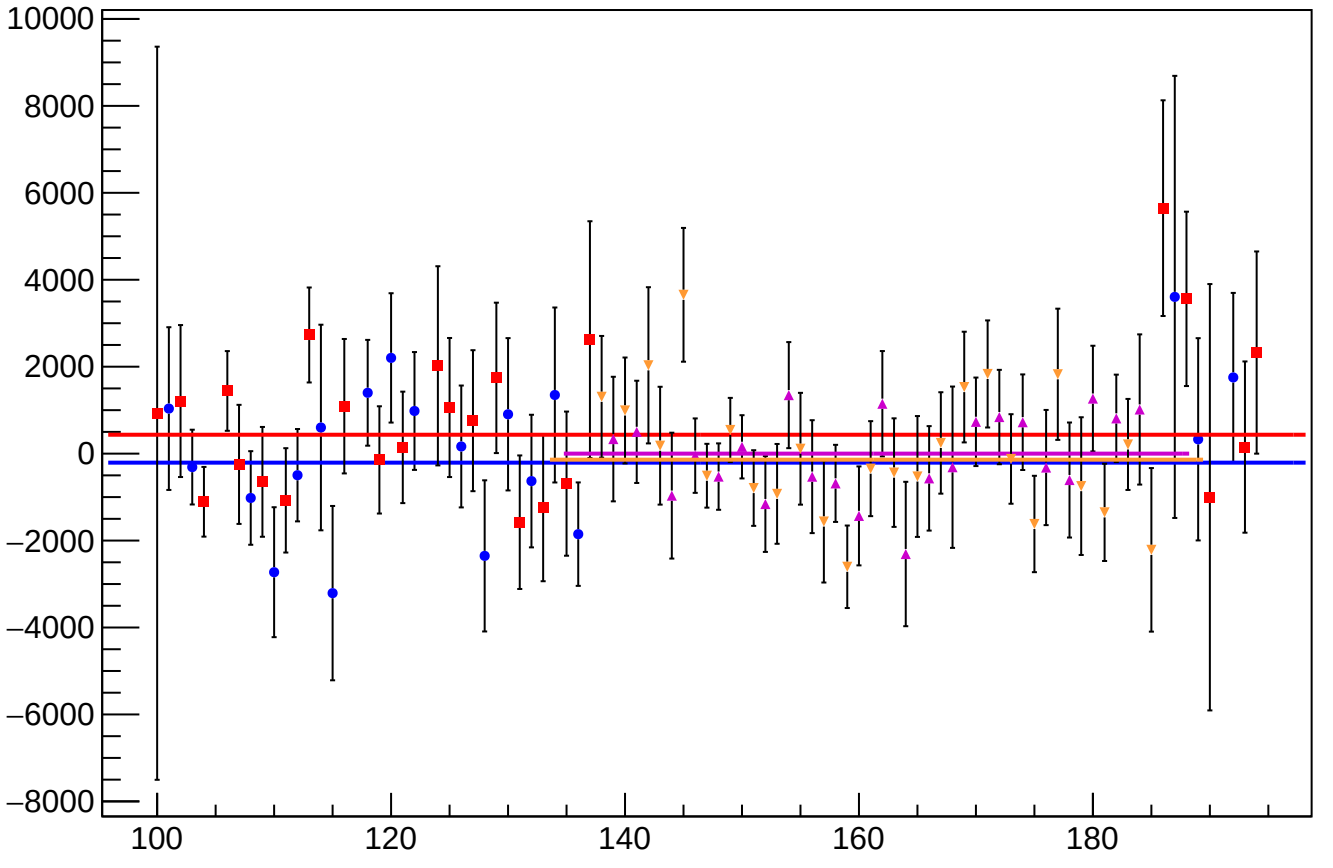
Right Out: 1649.502+/-0.357 χ^2/NDF: 145046.3/23

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.605+/-0.217 χ^2/NDF: 674795.0/43

All: 1625.109+/-0.152 χ^2/NDF: 828714.8/90

- sign 1626.565+/-0.214 χ^2/NDF: 153825.3/46



Right In: -207.562+/-333.919 χ^2/NDF: 17.6/18

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

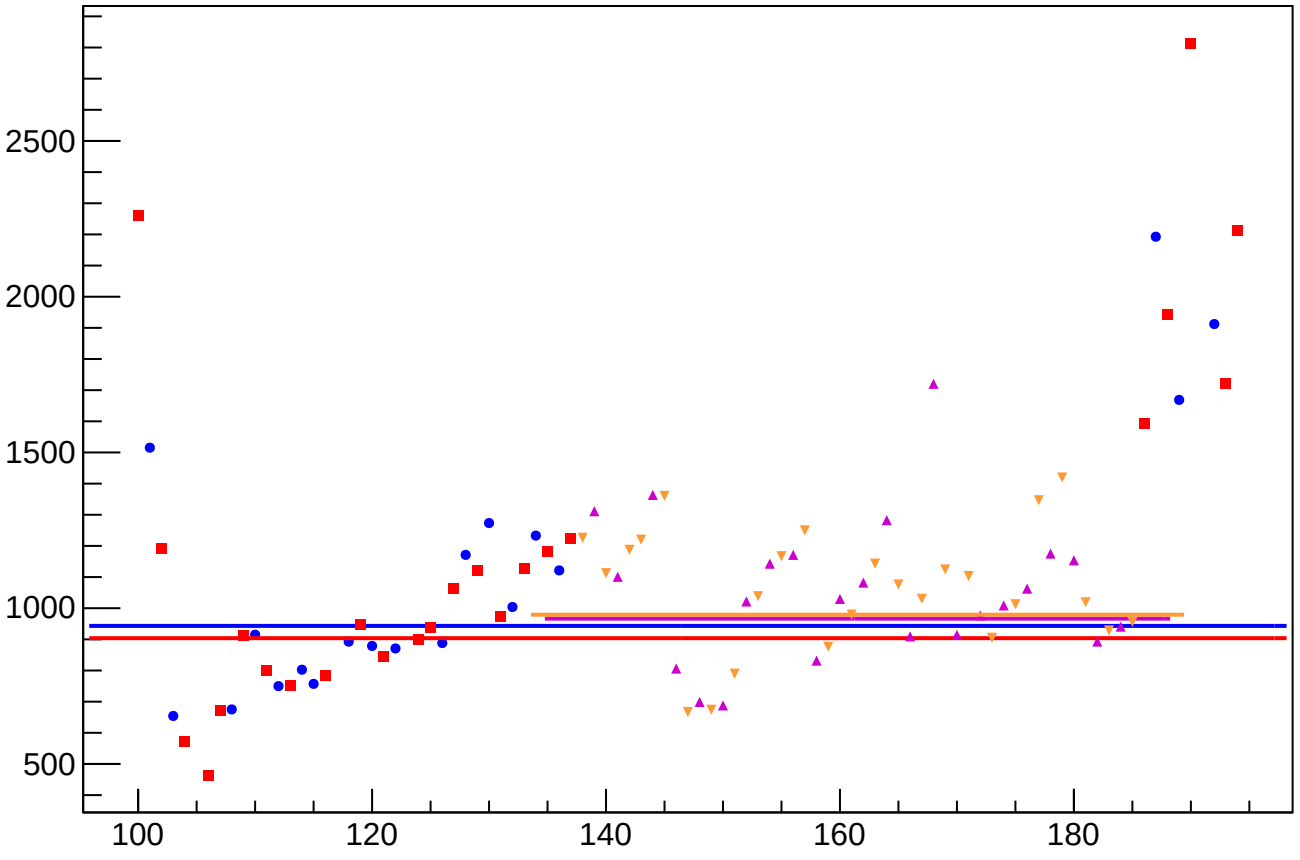
Right Out: 434.712+/-302.537 χ^2/NDF: 25.2/23

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -160.997+/-188.926 χ^2/NDF: 47.8/43

All: 4.173+/-131.834 χ^2/NDF: 88.7/90

\- sign 160.932+/-184.053 χ^2/NDF: 39.4/46



Right In: 943.253+/-0.236 χ^2/NDF: 1650842.7/18

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 903.811+/-0.214 χ^2/NDF: 3189039.9/23

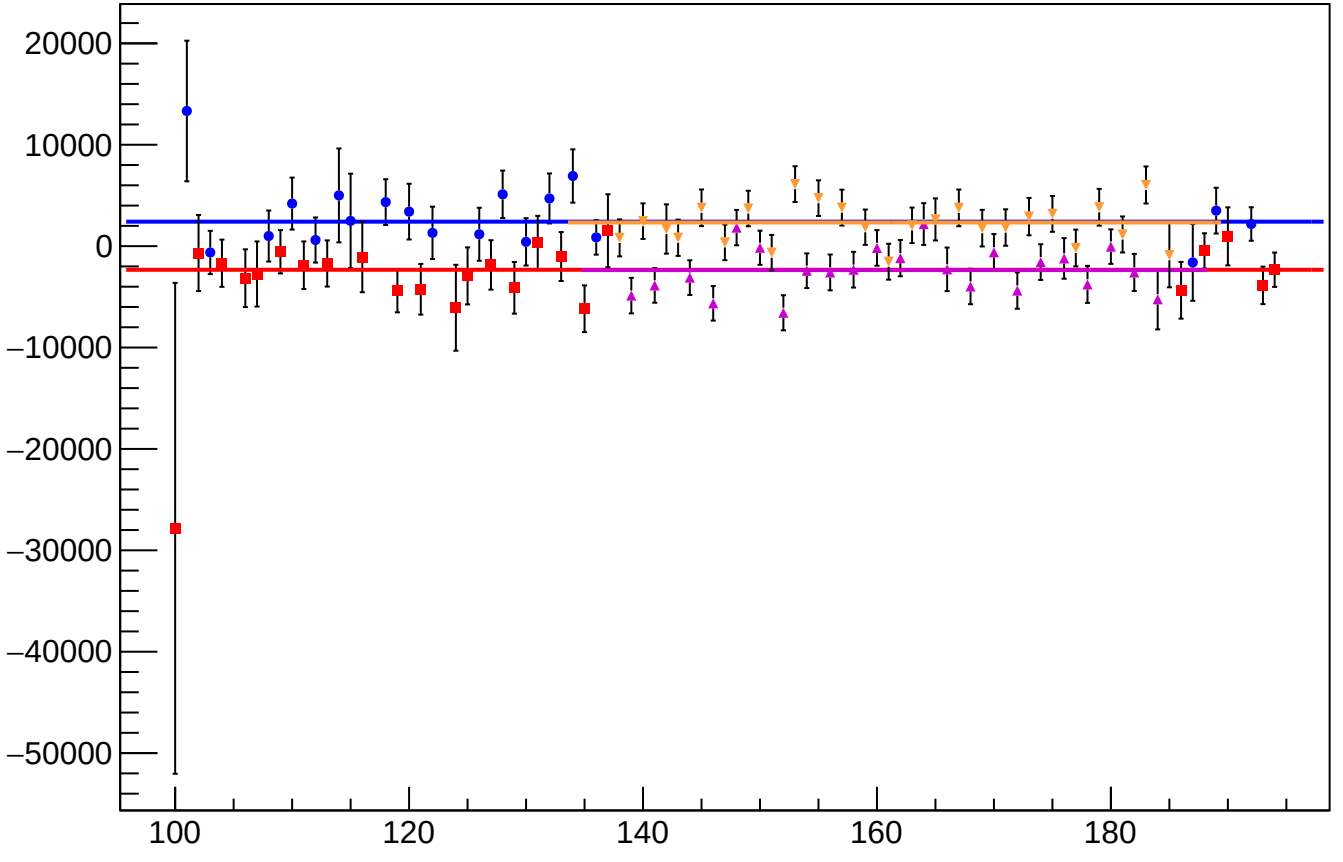
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 967.753+/-0.134 χ^2/NDF: 3297409.6/43

All: 955.216+/-0.093 χ^2/NDF: 8160321.2/90

- sign 943.318+/-0.130 χ^2/NDF: 4845746.9/46

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2414.435+/-566.046 χ^2/NDF: 15.6/18

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

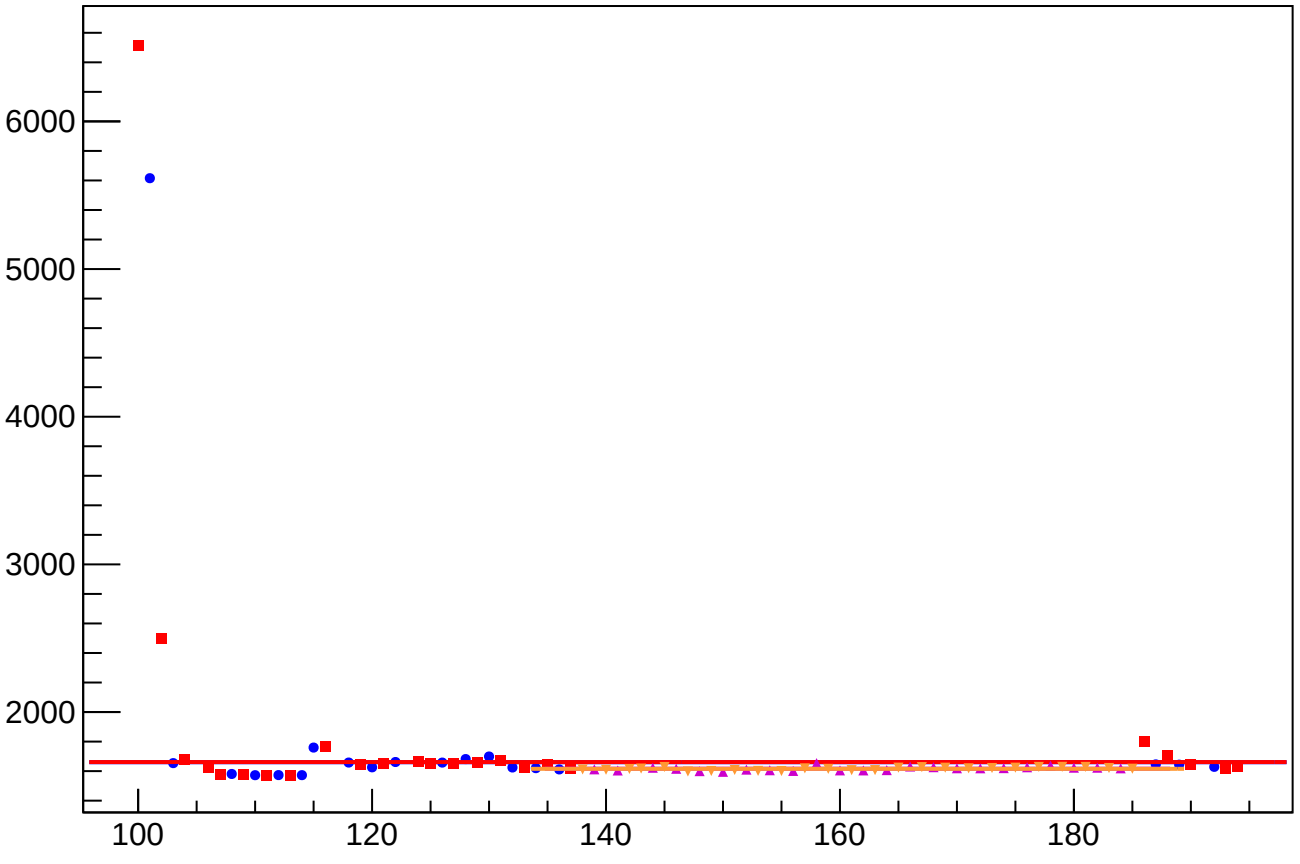
Right Out: -2331.778+/-510.029 χ^2/NDF: 14.3/23

Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2358.396+/-307.934 χ^2/NDF: 43.9/43

All: -31.010+/-216.113 χ^2/NDF: 210.8/90

- sign -2350.201+/-303.376 χ^2/NDF: 48.3/46



Right In: 1660.122+/-0.400 χ^2/NDF: 663955.8/18

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1661.320+/-0.361 χ^2/NDF: 201440.7/23

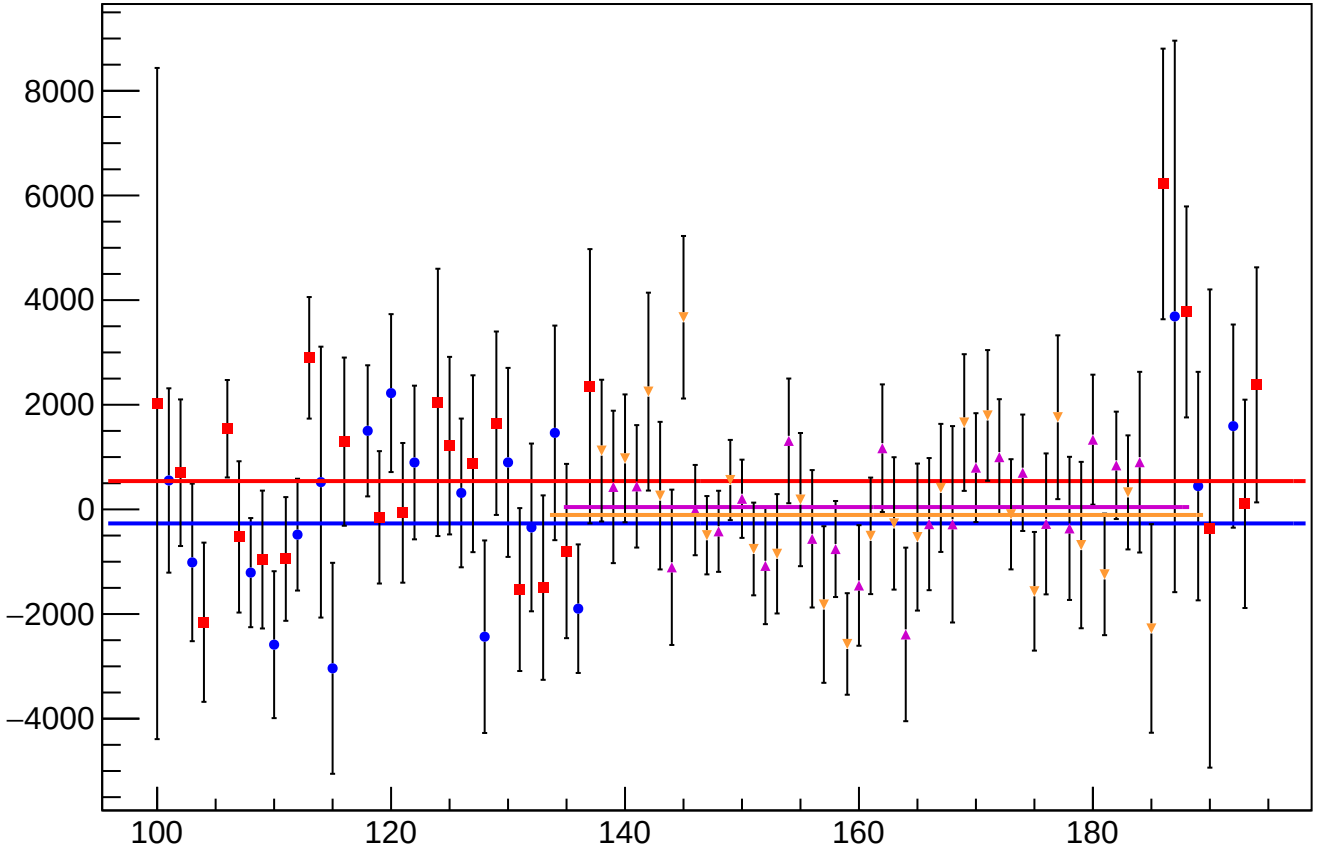
Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

\+ sign 1628.799+/-0.218 χ^2/NDF: 674101.3/43

All: 1630.560+/-0.153 χ^2/NDF: 888271.0/90

\- sign 1632.268+/-0.215 χ^2/NDF: 214041.0/46

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: 540.988+/-324.224 χ^2/NDF: 26.0/23

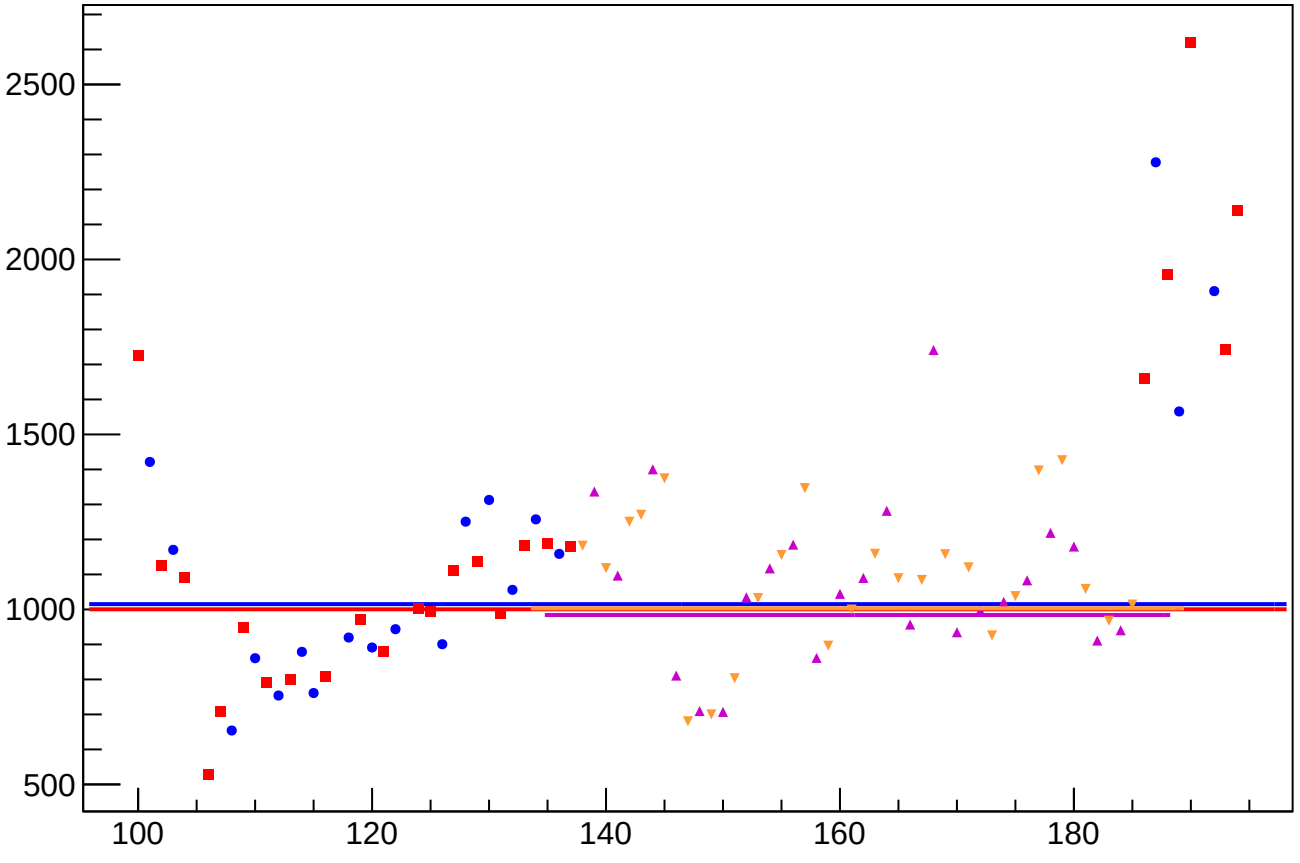
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -155.307+/-195.693 χ^2/NDF: 46.6/43

All: 35.268+/-136.563 χ^2/NDF: 88.7/90

- sign 216.174+/-190.664 χ^2/NDF: 40.3/46

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: 1000.371+/-0.229 χ^2/NDF: 2517149.6/23

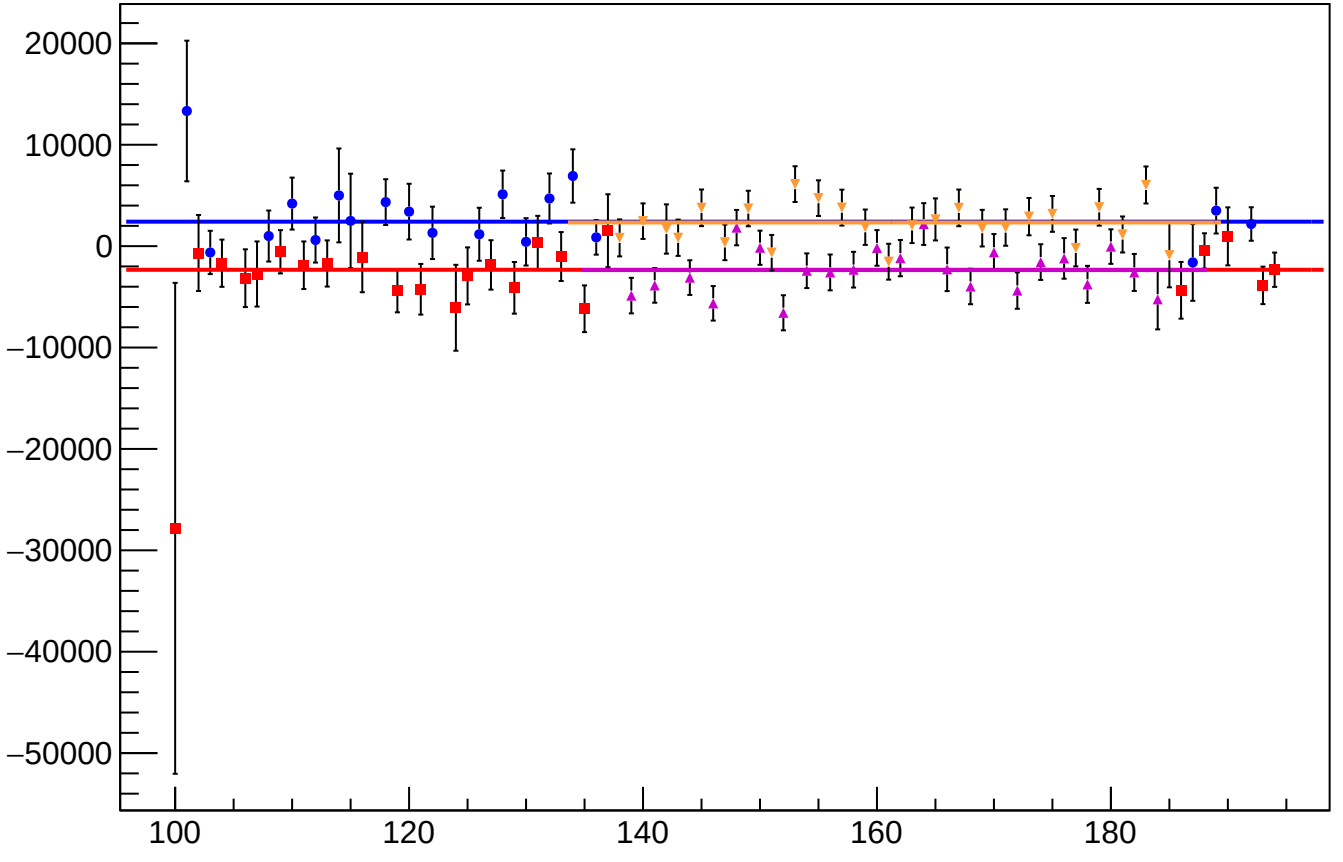
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1006.743+/-0.138 χ^2/NDF: 3001079.1/43

All: 997.998+/-0.097 χ^2/NDF: 7088890.1/90

- sign 989.696+/-0.135 χ^2/NDF: 4080025.2/46

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: -2331.776+/-510.029 χ^2/NDF: 14.3/23

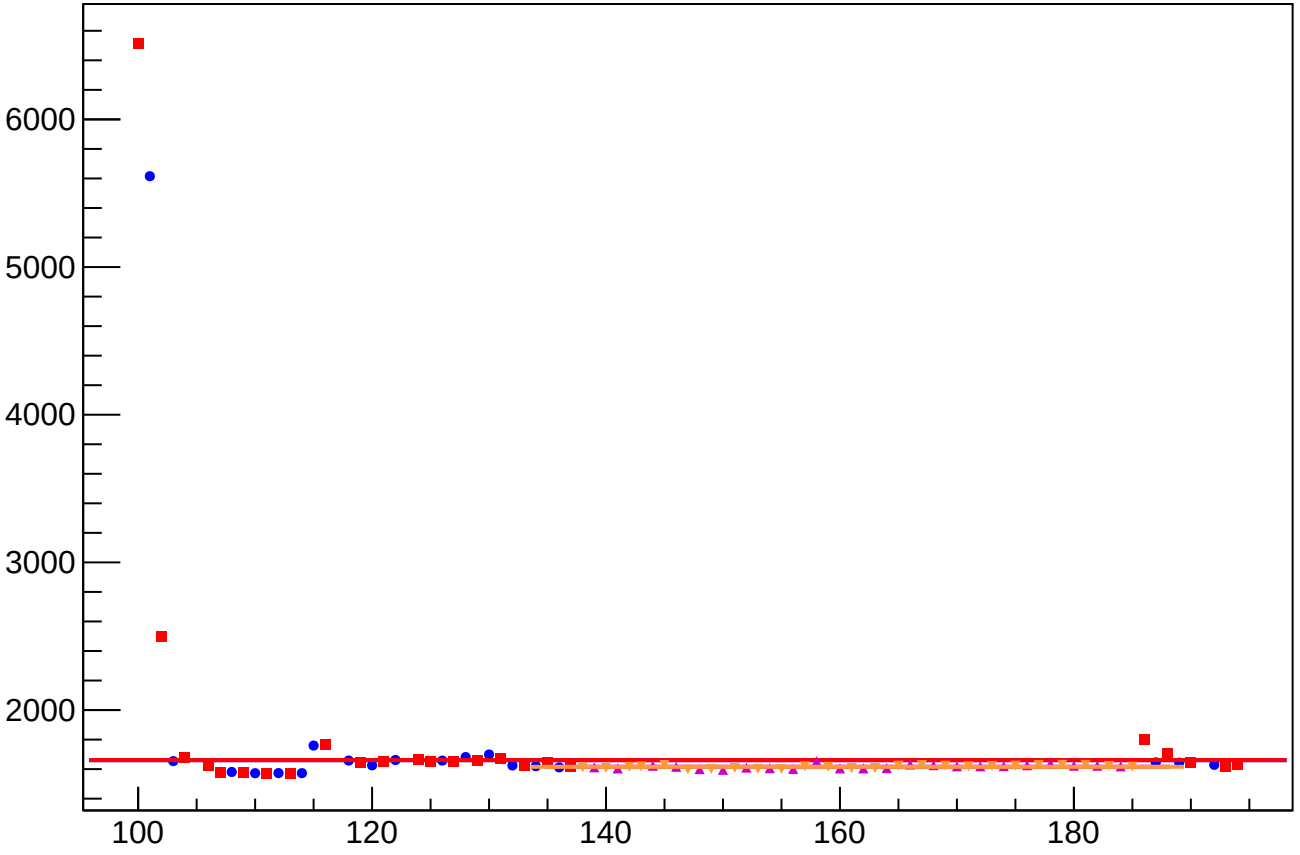
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2358.396+/-307.934 χ^2/NDF: 43.9/43

All: -31.009+/-216.113 χ^2/NDF: 210.8/90

- sign -2350.201+/-303.376 χ^2/NDF: 48.3/46

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

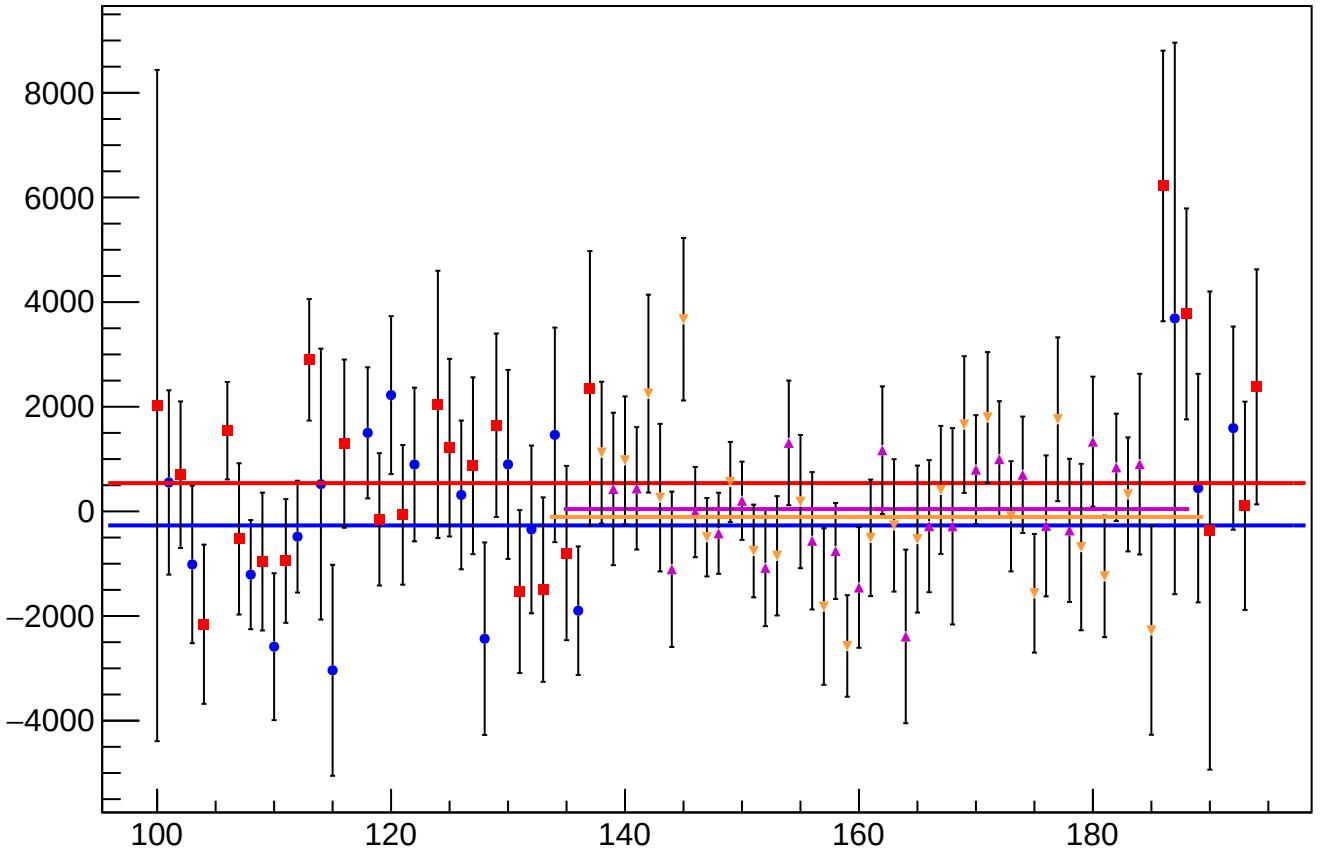
Right Out: 1661.320+/-0.361 χ^2/NDF: 201440.5/23

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1628.799+/-0.218 χ^2/NDF: 674101.2/43

All: 1630.560+/-0.153 χ^2/NDF: 888270.8/90

- sign 1632.268+/-0.215 χ^2/NDF: 214040.8/46



Right In: -268.253+/-355.841 χ^2/NDF: 17.4/18

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

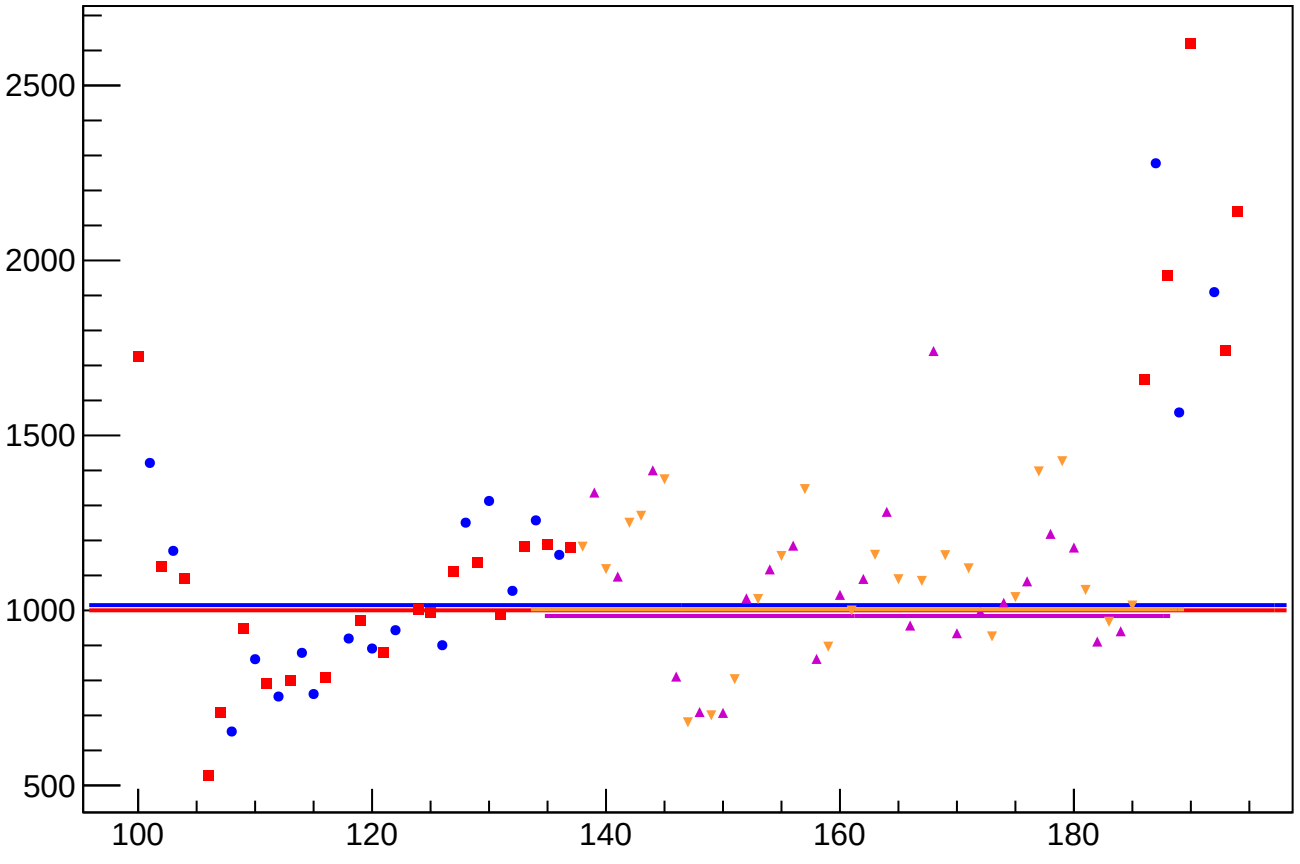
Right Out: 540.986+/-324.223 χ^2/NDF: 26.0/23

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

\+ sign -155.309+/-195.693 χ^2/NDF: 46.6/43

All: 35.267+/-136.563 χ^2/NDF: 88.7/90

\- sign 216.174+/-190.664 χ^2/NDF: 40.3/46



Right In: 1015.141+/-0.252 χ^2/NDF: 1401080.7/18

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1000.369+/-0.229 χ^2/NDF: 2517158.6/23

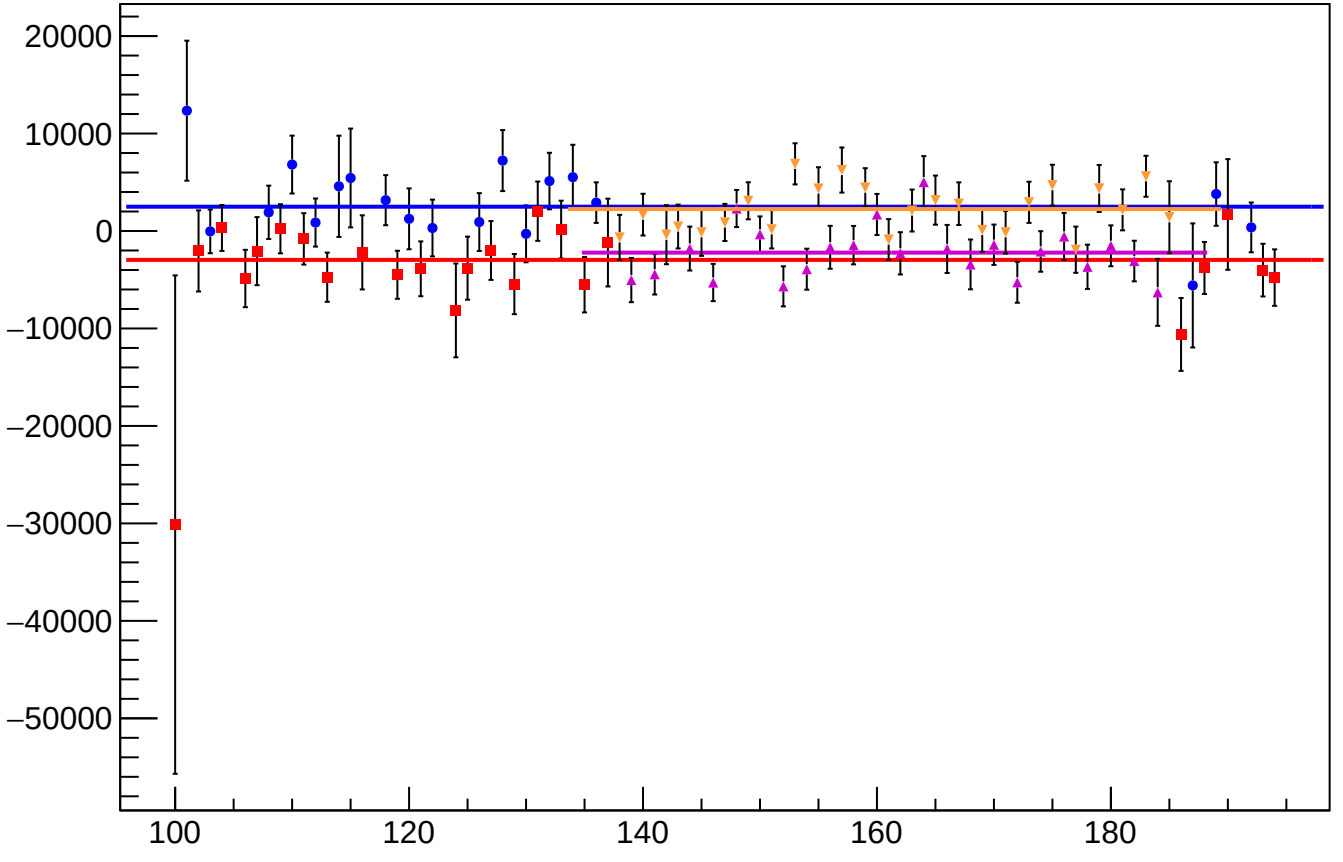
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1006.744+/-0.138 χ^2/NDF: 3001095.0/43

All: 997.998+/-0.097 χ^2/NDF: 7088915.2/90

- sign 989.697+/-0.135 χ^2/NDF: 4080034.5/46

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: -2964.299+/-632.101 χ^2/NDF: 19.1/23

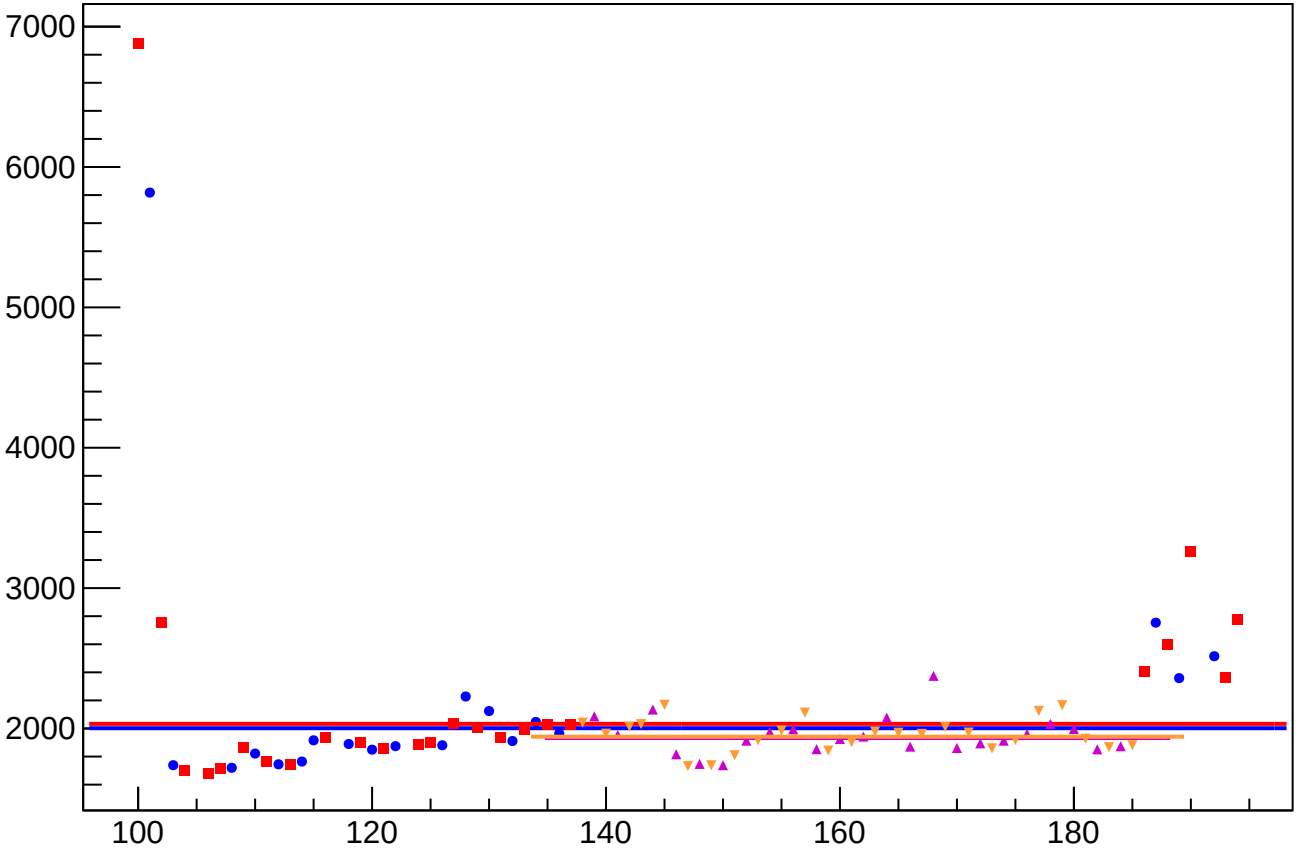
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2323.216+/-371.735 χ^2/NDF: 43.1/43

All: -99.565+/-261.463 χ^2/NDF: 178.7/90

- sign -2471.635+/-367.824 χ^2/NDF: 51.6/46

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

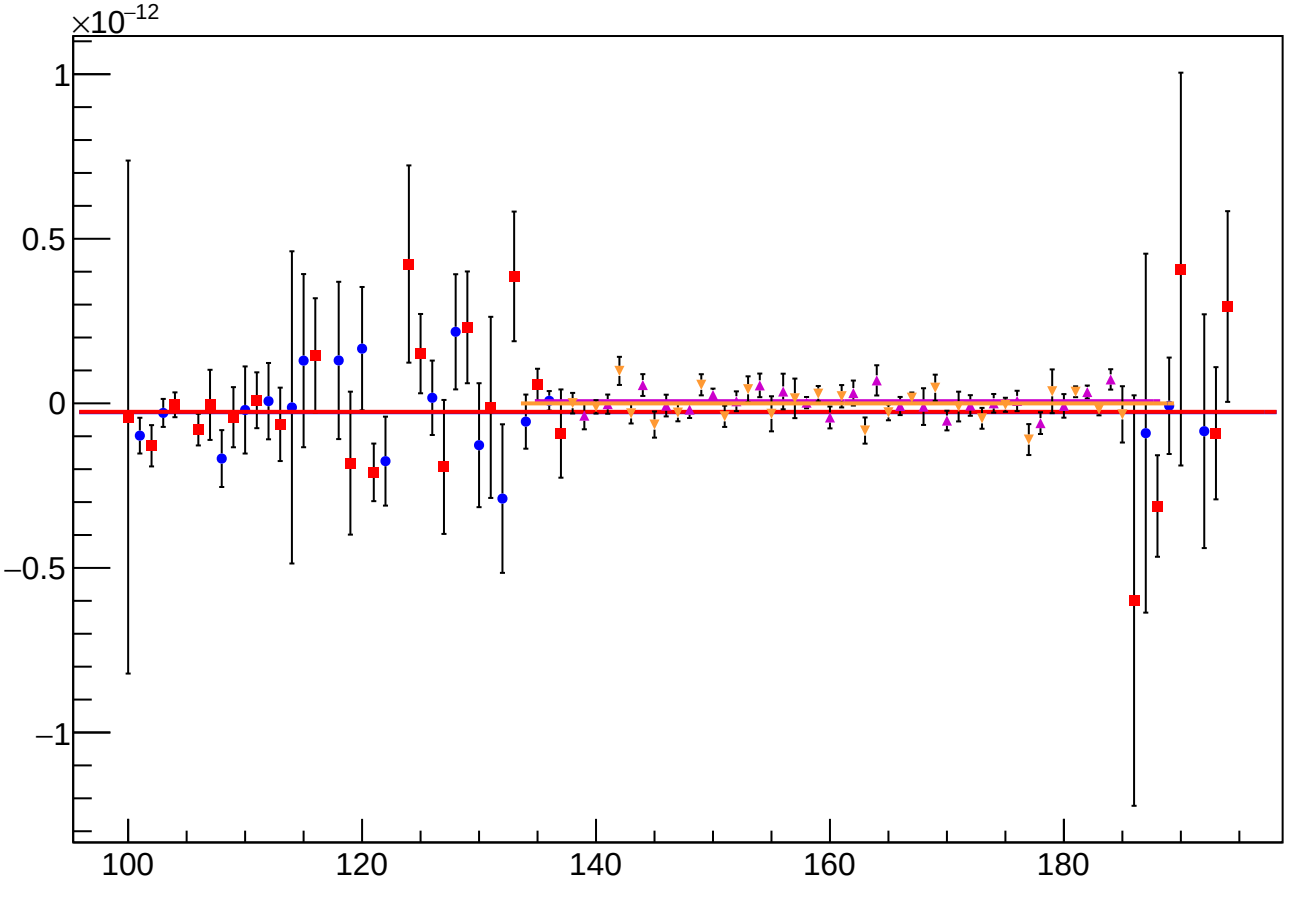
Right Out: 2033.066+/-0.447 χ^2/NDF: 662159.0/23

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 1959.289+/-0.263 χ^2/NDF: 962255.9/43

All: 1962.730+/-0.185 χ^2/NDF: 1818572.7/90

- sign 1966.098+/-0.260 χ^2/NDF: 855977.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

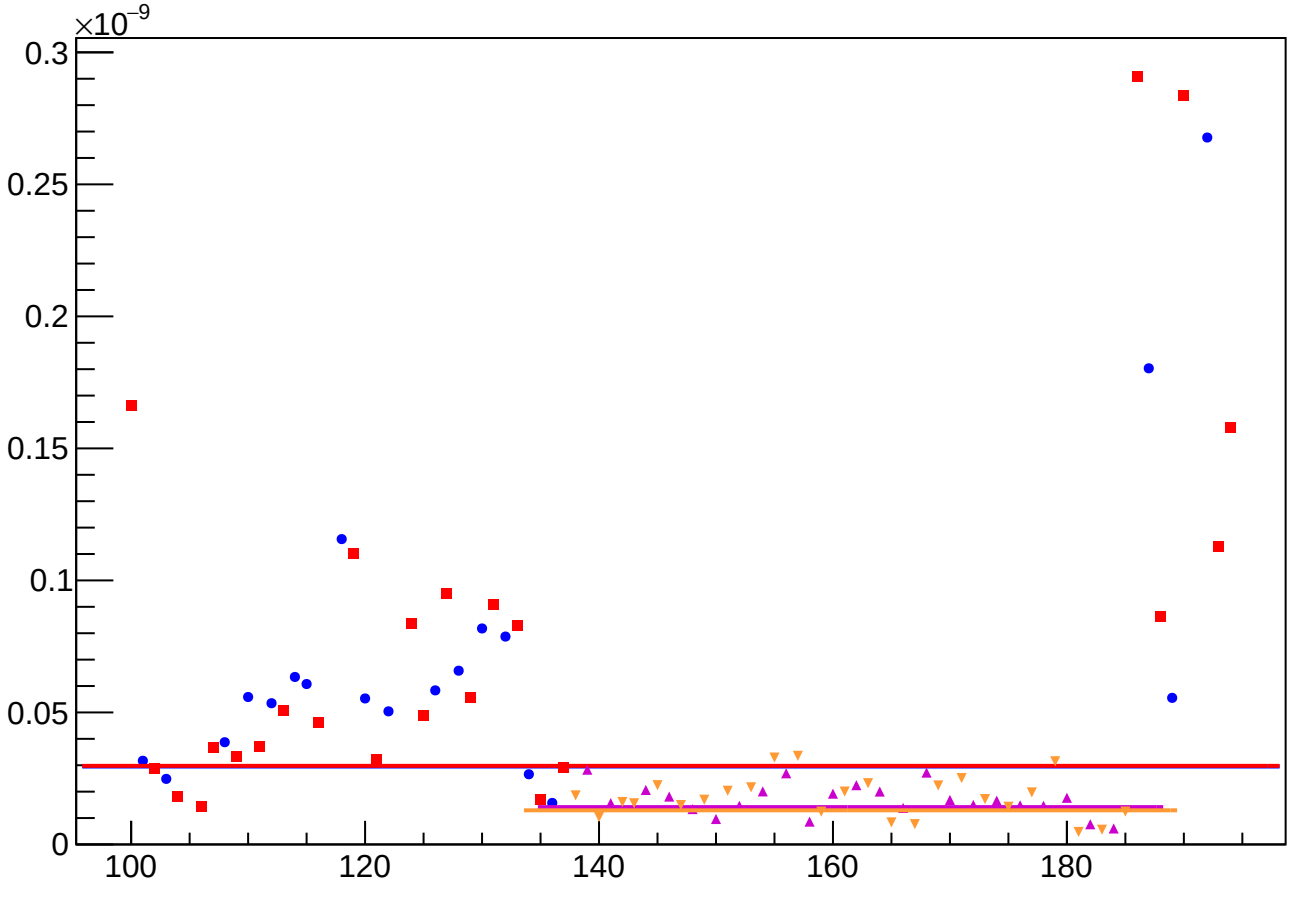
Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/23

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.0/43

All: 0.000+/-0.000 χ^2/NDF: 117.2/90

- sign 0.000+/-0.000 χ^2/NDF: 61.7/46



Right In: 0.000+/-0.000 χ^2/NDF: 2615925.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3310095.9/23

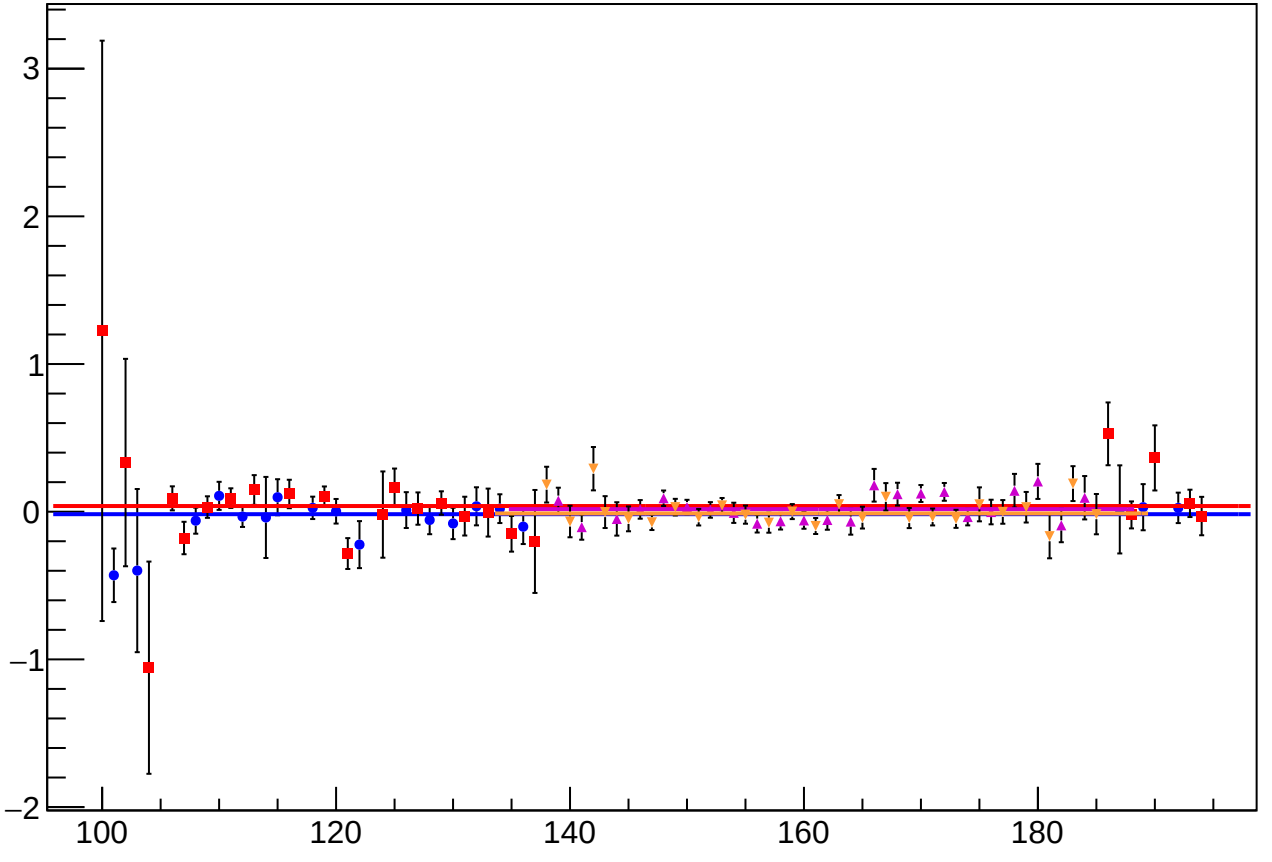
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6847530.9/43

All: 0.000+/-0.000 χ^2/NDF: 12951104.3/90

- sign 0.000+/-0.000 χ^2/NDF: 6050205.5/46

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: 0.038+/-0.022 χ^2/NDF: 32.6/23

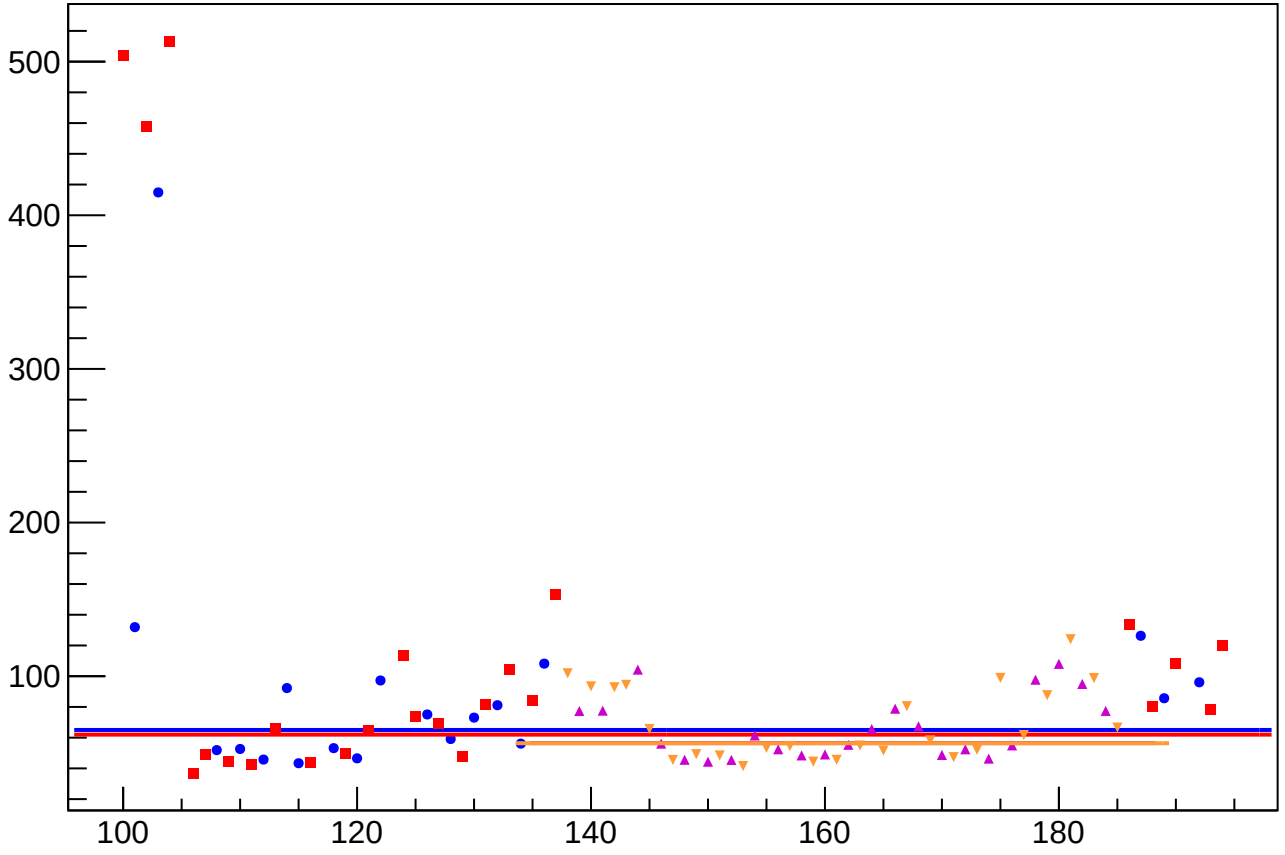
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.013+/-0.012 χ^2/NDF: 34.2/43

All: 0.006+/-0.009 χ^2/NDF: 102.4/90

- sign 0.024+/-0.012 χ^2/NDF: 63.9/46

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

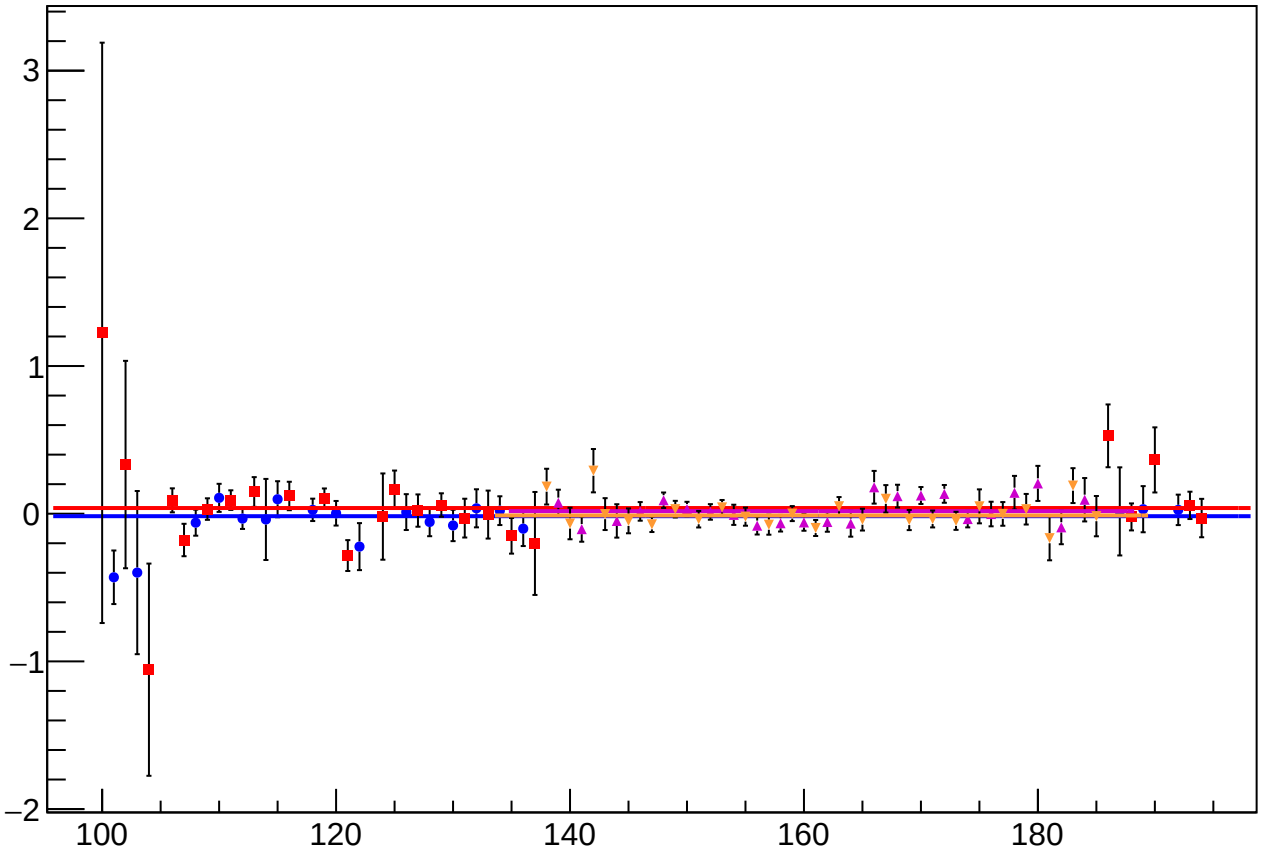
Right Out: 61.986+/-0.016 χ^2/NDF: 3572406.0/23

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 58.472+/-0.009 χ^2/NDF: 5240681.2/43

All: 58.279+/-0.006 χ^2/NDF: 11039714.0/90

- sign 58.094+/-0.009 χ^2/NDF: 5798093.2/46



Right In: -0.017+/-0.025 χ^2/NDF: 12.3/18

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

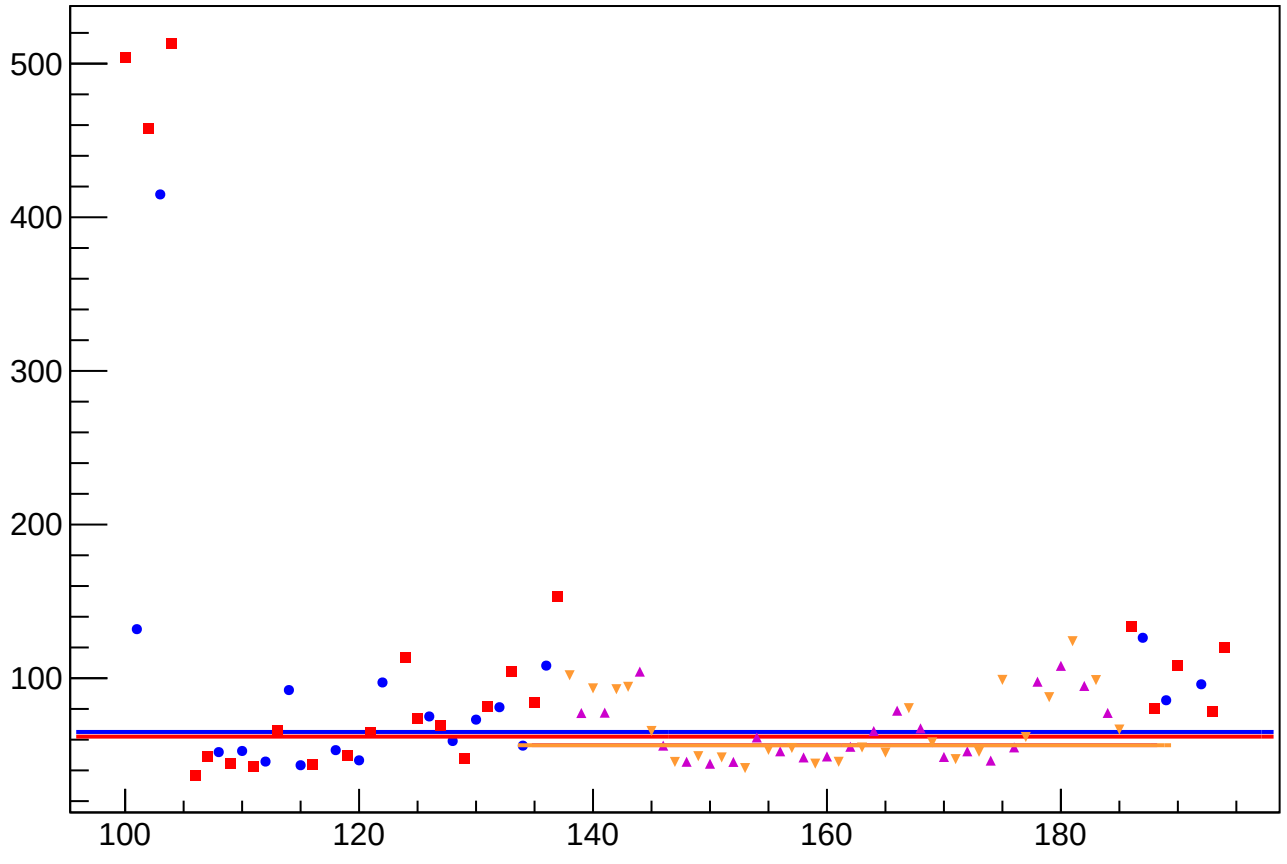
Right Out: 0.038+/-0.022 χ^2/NDF: 32.6/23

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.013+/-0.012 χ^2/NDF: 34.2/43

All: 0.006+/-0.009 χ^2/NDF: 102.4/90

- sign 0.024+/-0.012 χ^2/NDF: 63.9/46



Right In: 65.017+/-0.018 χ^2/NDF: 2266408.3/18

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

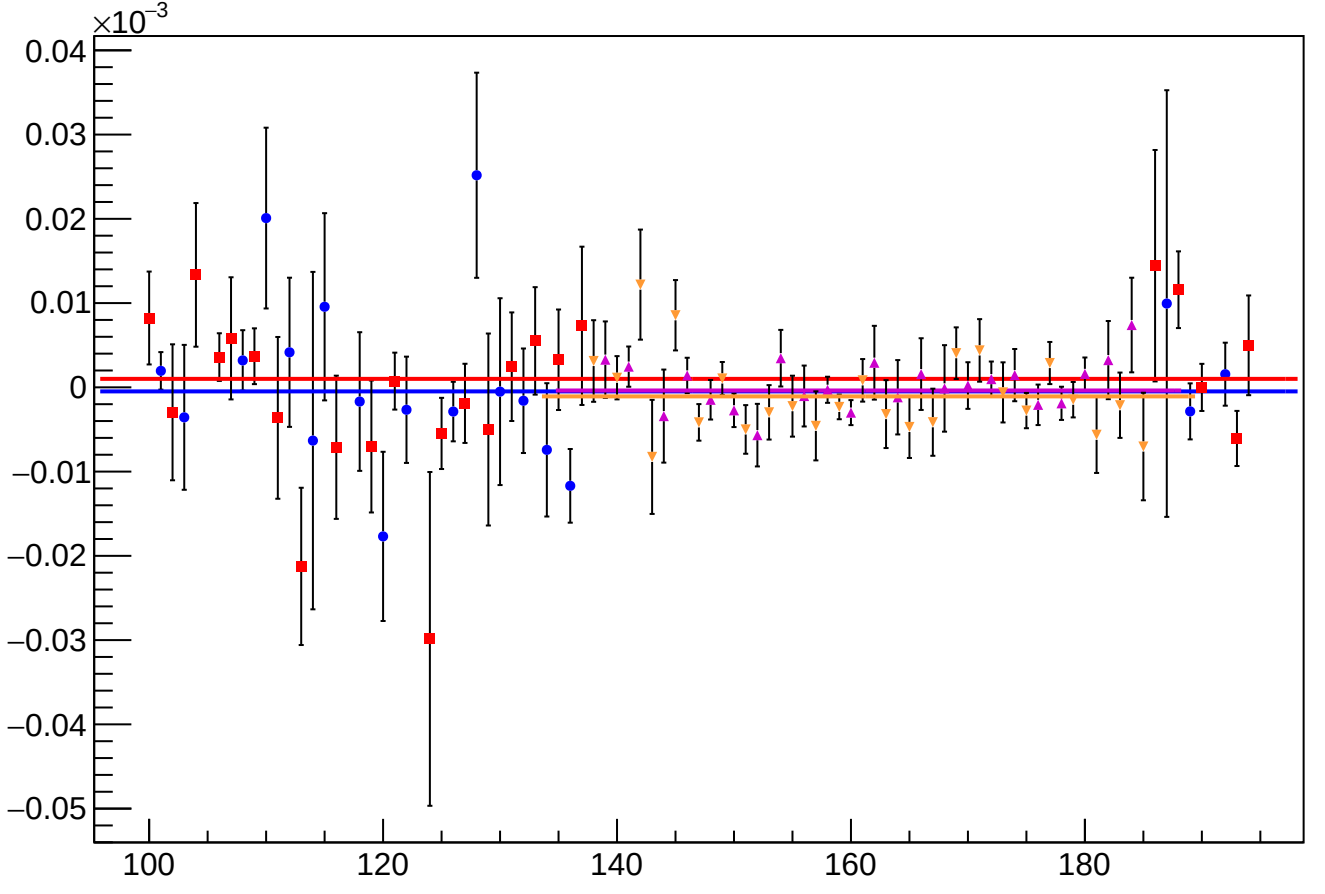
Right Out: 61.986+/-0.016 χ^2/NDF: 3572406.0/23

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 58.472+/-0.009 χ^2/NDF: 5240681.2/43

All: 58.279+/-0.006 χ^2/NDF: 11039714.0/90

- sign 58.094+/-0.009 χ^2/NDF: 5798093.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 23.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

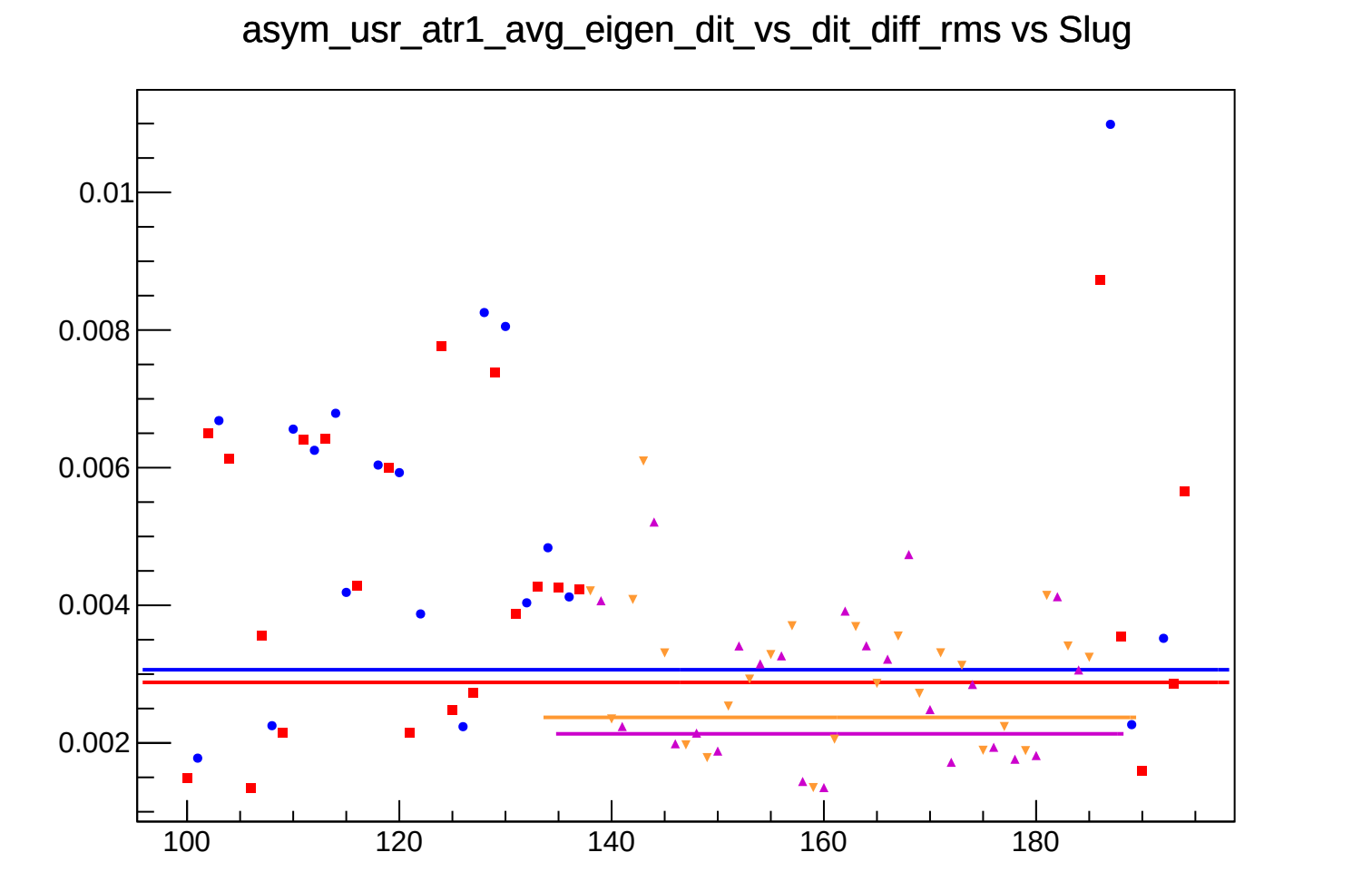
Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/23

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.3/43

All: -0.000+/-0.000 χ^2/NDF: 107.8/90

- sign -0.000+/-0.000 χ^2/NDF: 51.0/46



Right In: 0.003+/-0.000 χ^2/NDF: 3627449.1/18

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

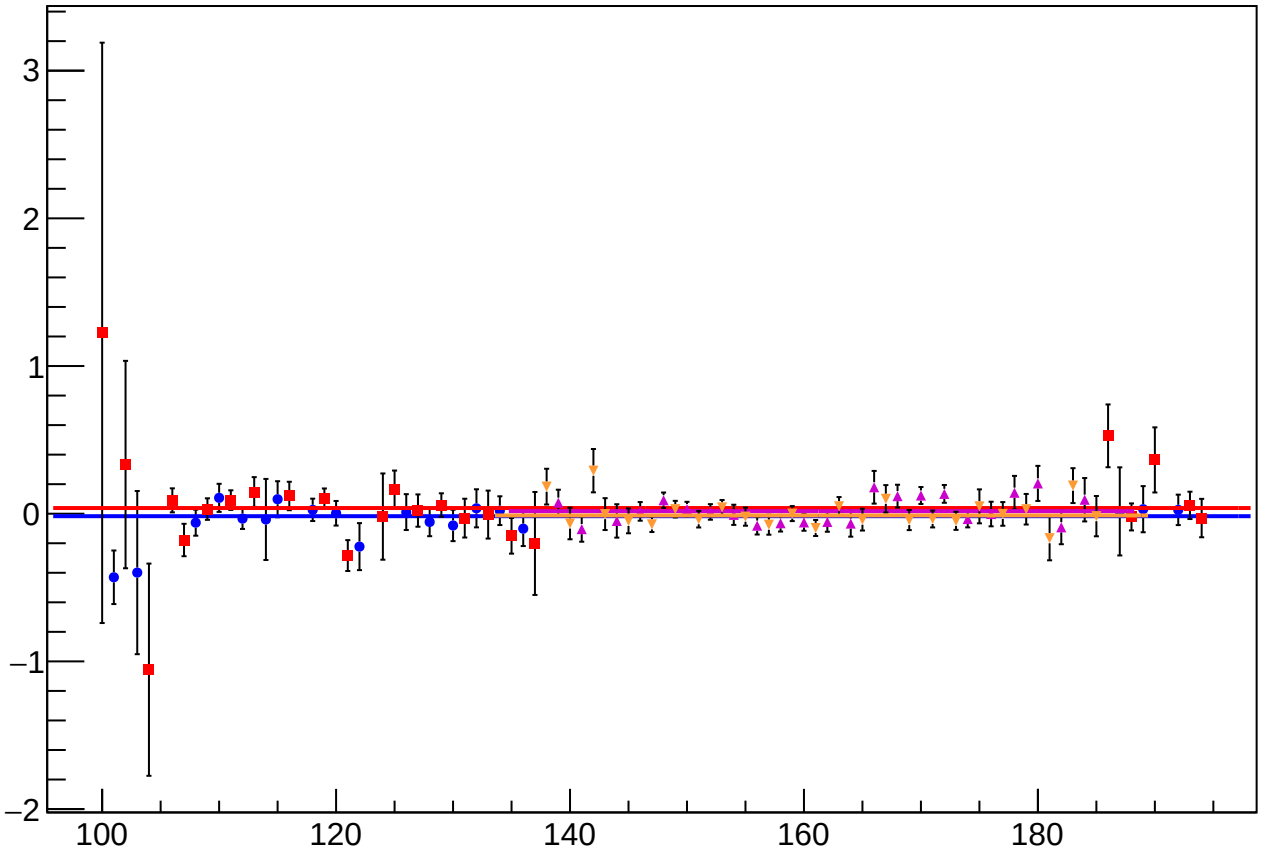
Right Out: 0.003+/-0.000 χ^2/NDF: 4566845.6/23

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 8348065.7/43

All: 0.002+/-0.000 χ^2/NDF: 18449646.7/90

- sign 0.002+/-0.000 χ^2/NDF: 9914240.0/46



Right In: -0.017+/-0.025 χ^2/NDF: 12.3/18

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.038+/-0.022 χ^2/NDF: 32.6/23

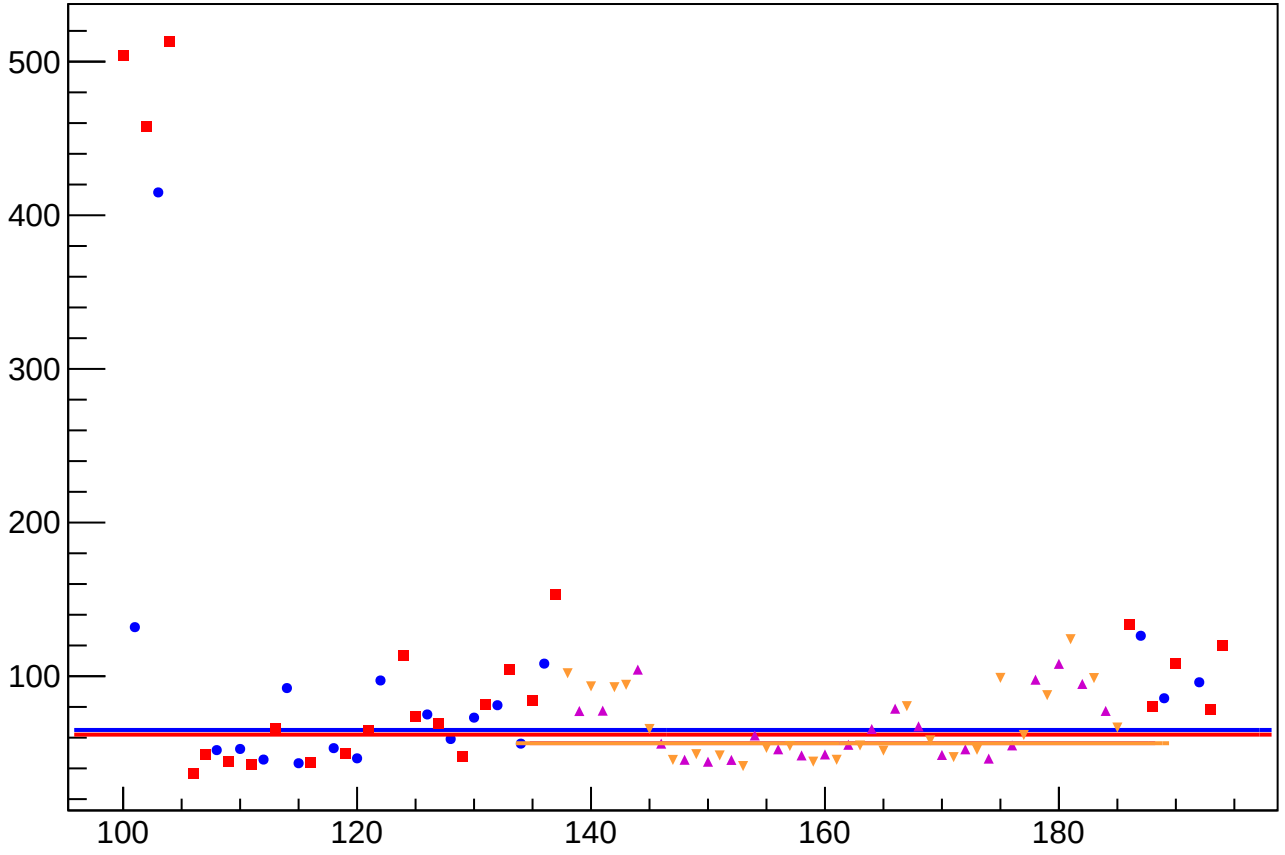
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.013+/-0.012 χ^2/NDF: 34.2/43

All: 0.006+/-0.009 χ^2/NDF: 102.4/90

- sign 0.024+/-0.012 χ^2/NDF: 63.9/46

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

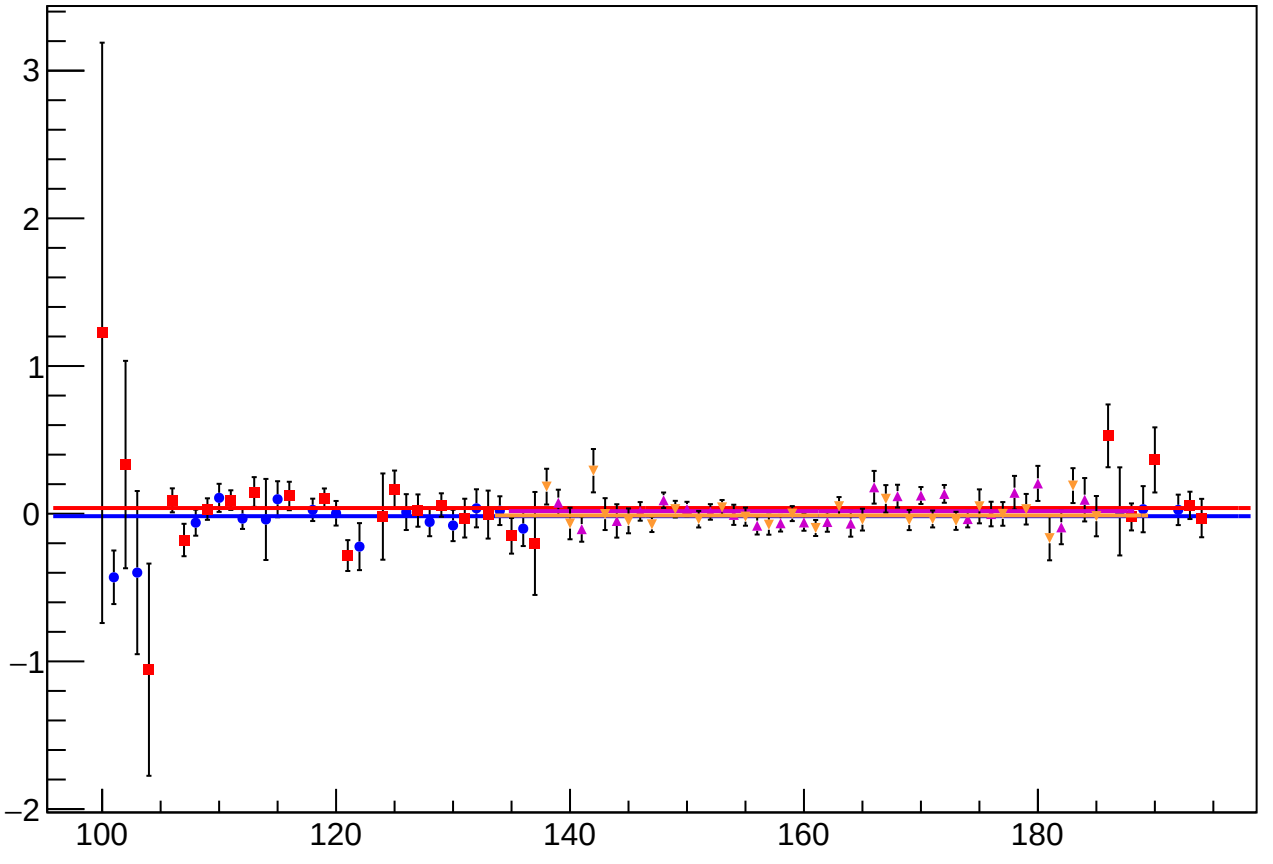
Right Out: 61.985+/-0.016 χ^2/NDF: 3572424.1/23

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 58.472+/-0.009 χ^2/NDF: 5240694.3/43

All: 58.279+/-0.006 χ^2/NDF: 11039703.8/90

- sign 58.094+/-0.009 χ^2/NDF: 5798069.1/46



Right In: -0.017+/-0.025 χ^2/NDF: 12.3/18

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

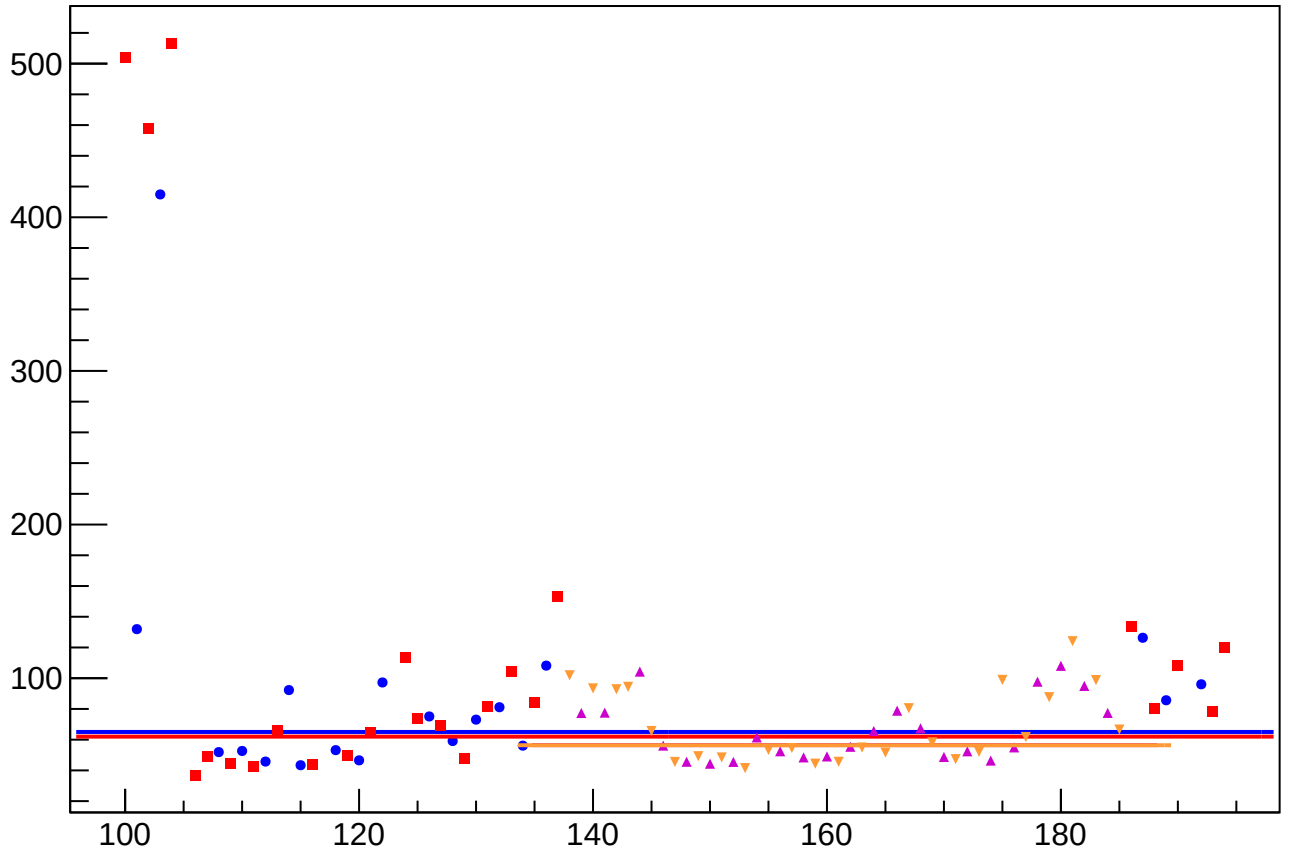
Right Out: 0.038+/-0.022 χ^2/NDF: 32.6/23

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.013+/-0.012 χ^2/NDF: 34.2/43

All: 0.006+/-0.009 χ^2/NDF: 102.4/90

- sign 0.024+/-0.012 χ^2/NDF: 63.9/46



Right In: 65.016+/-0.018 χ^2/NDF: 2266379.8/18

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

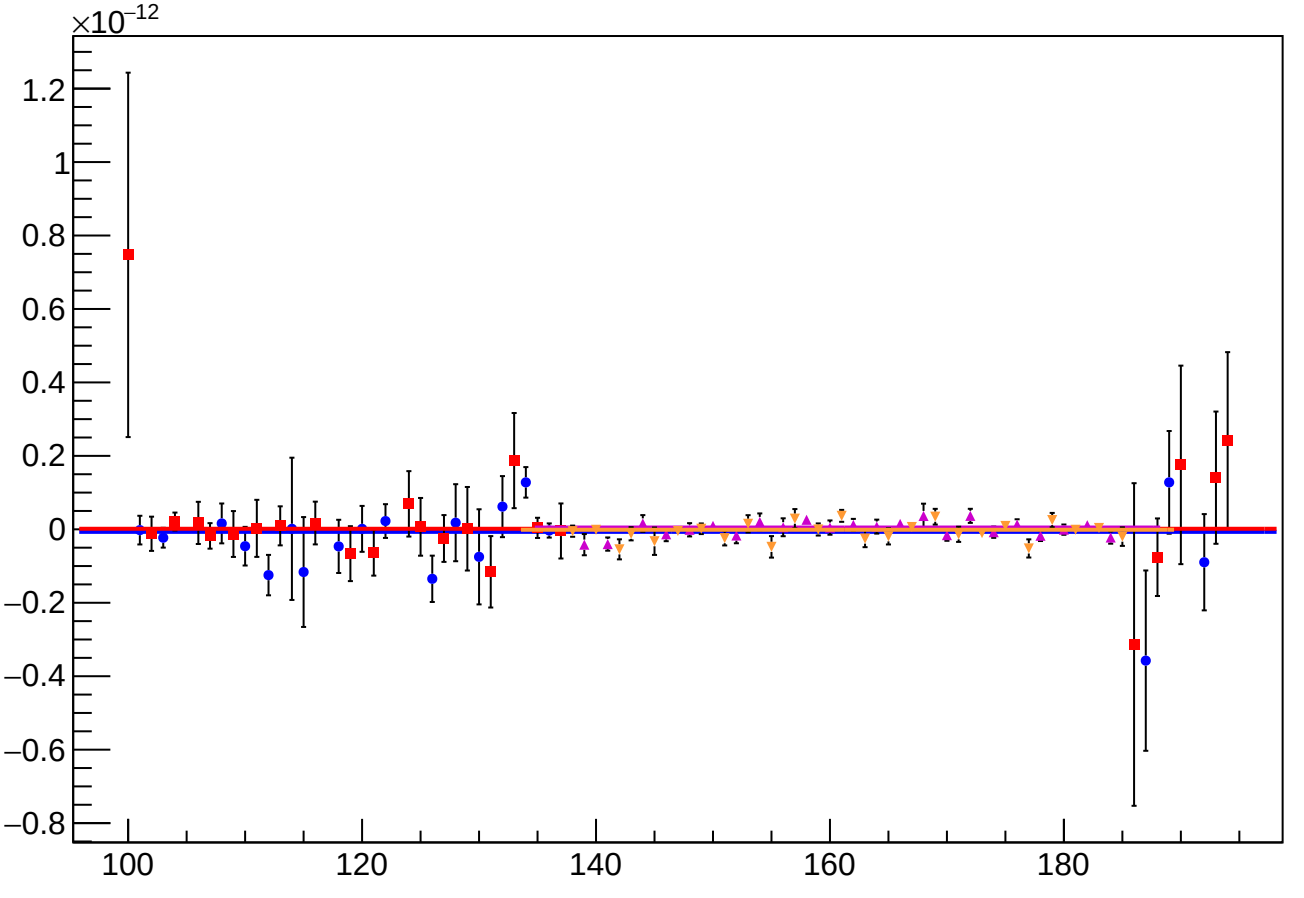
Right Out: 61.985+/-0.016 χ^2/NDF: 3572424.1/23

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 58.472+/-0.009 χ^2/NDF: 5240694.3/43

All: 58.279+/-0.006 χ^2/NDF: 11039703.8/90

- sign 58.094+/-0.009 χ^2/NDF: 5798069.1/46



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

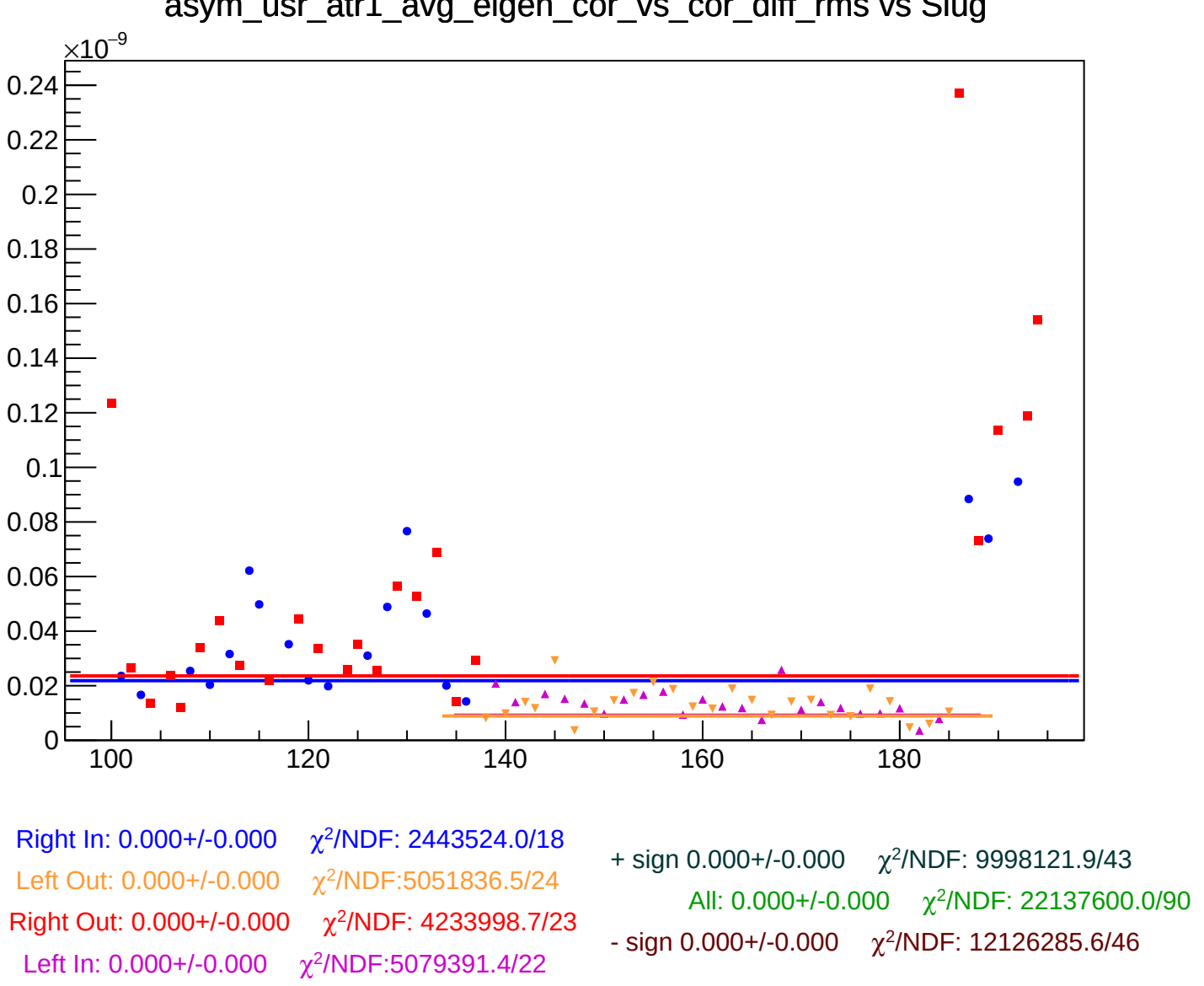
Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/23

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

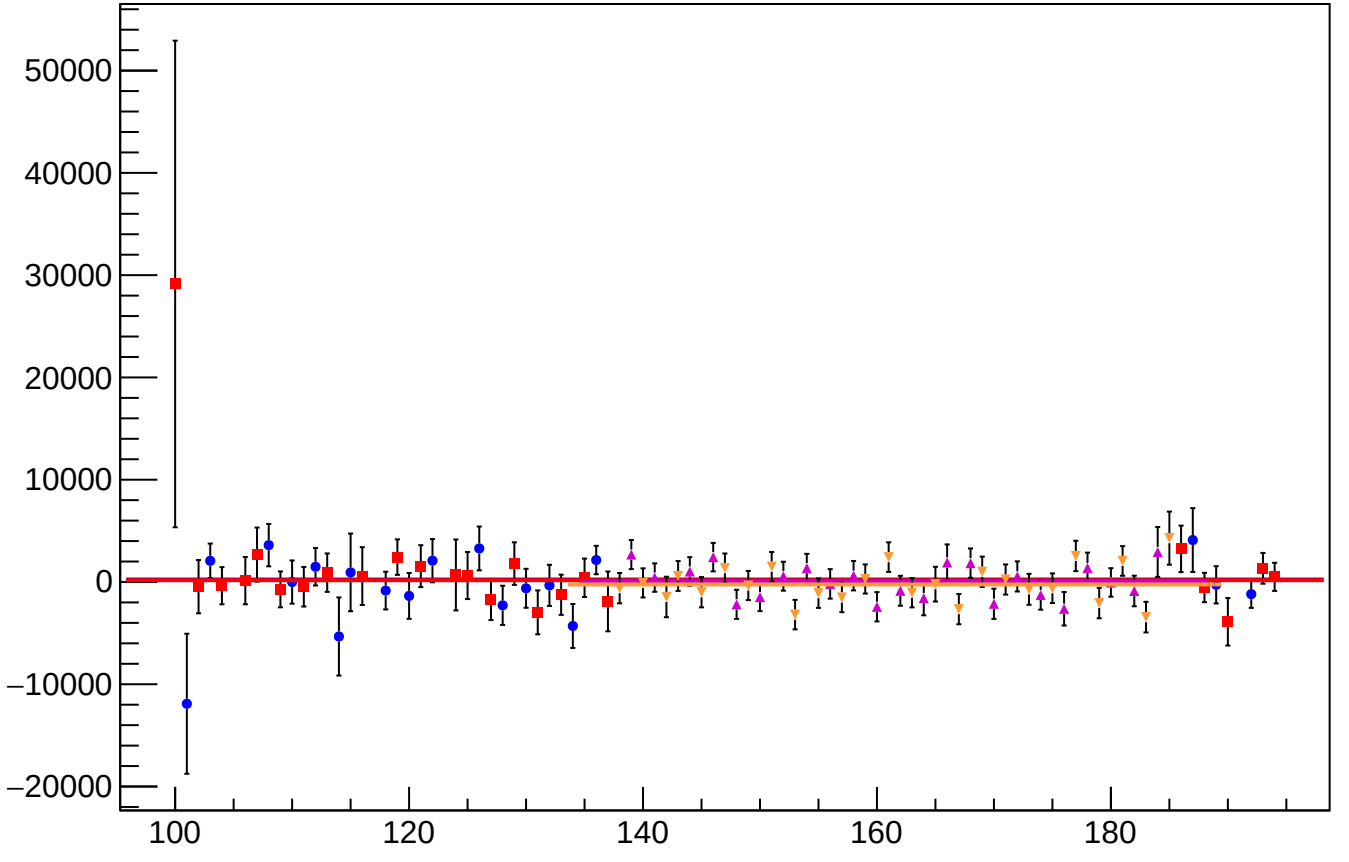
+ sign -0.000+/-0.000 χ^2/NDF: 55.8/43

All: 0.000+/-0.000 χ^2/NDF: 99.5/90

- sign 0.000+/-0.000 χ^2/NDF: 41.2/46


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 2443524.0/18
Left Out: 0.000+/-0.000 χ²/NDF:5051836.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4233998.7/23
Left In: 0.000+/-0.000 χ²/NDF:5079391.4/22
+ sign 0.000+/-0.000 χ²/NDF: 9998121.9/43
All: 0.000+/-0.000 χ²/NDF: 22137600.0/90
- sign 0.000+/-0.000 χ²/NDF: 12126285.6/46

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: 173.031+/-414.565 χ^2/NDF: 15.8/23

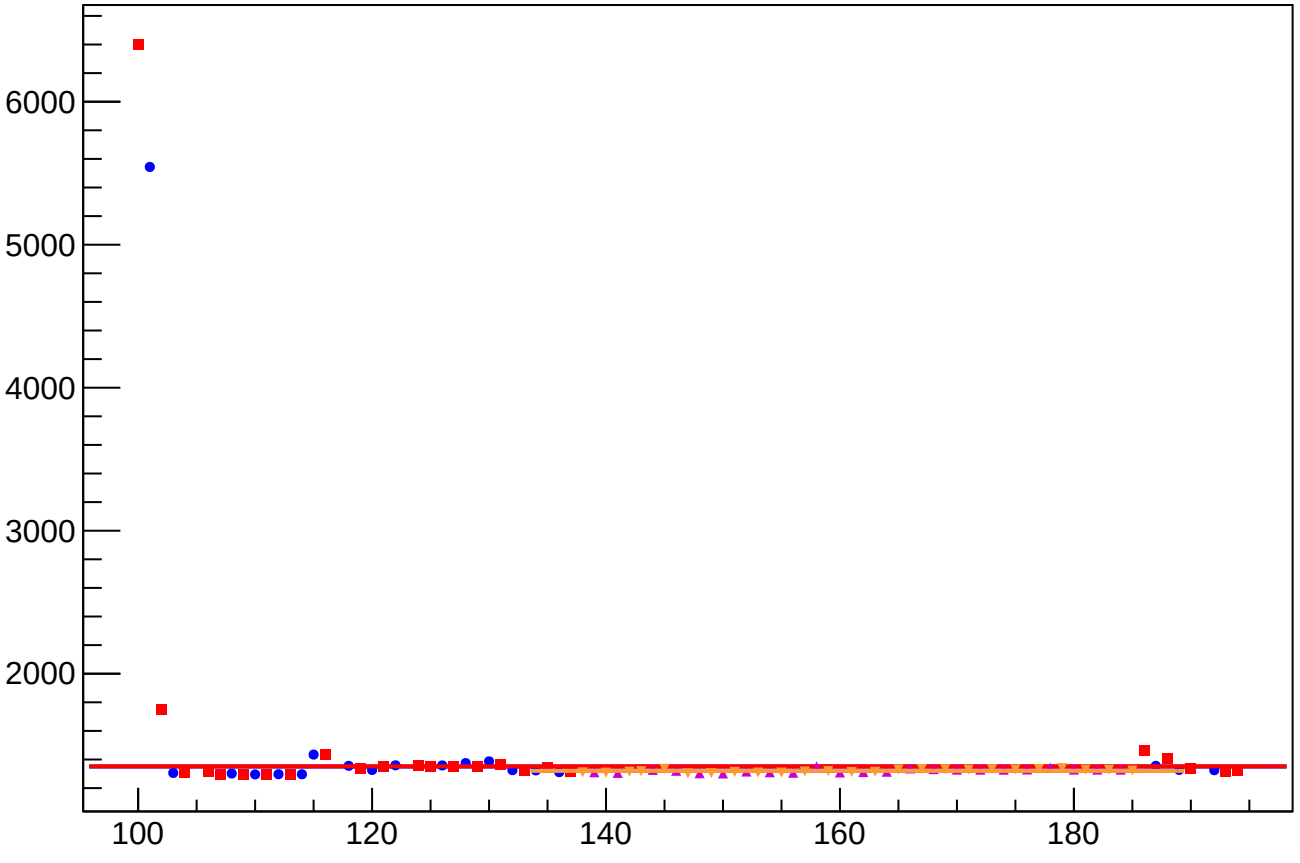
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -99.505+/-251.597 χ^2/NDF: 56.8/43

All: -4.808+/-176.460 χ^2/NDF: 100.0/90

- sign 86.872+/-247.556 χ^2/NDF: 42.9/46

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: 1352.390+/-0.293 χ^2/NDF: 157203.3/23

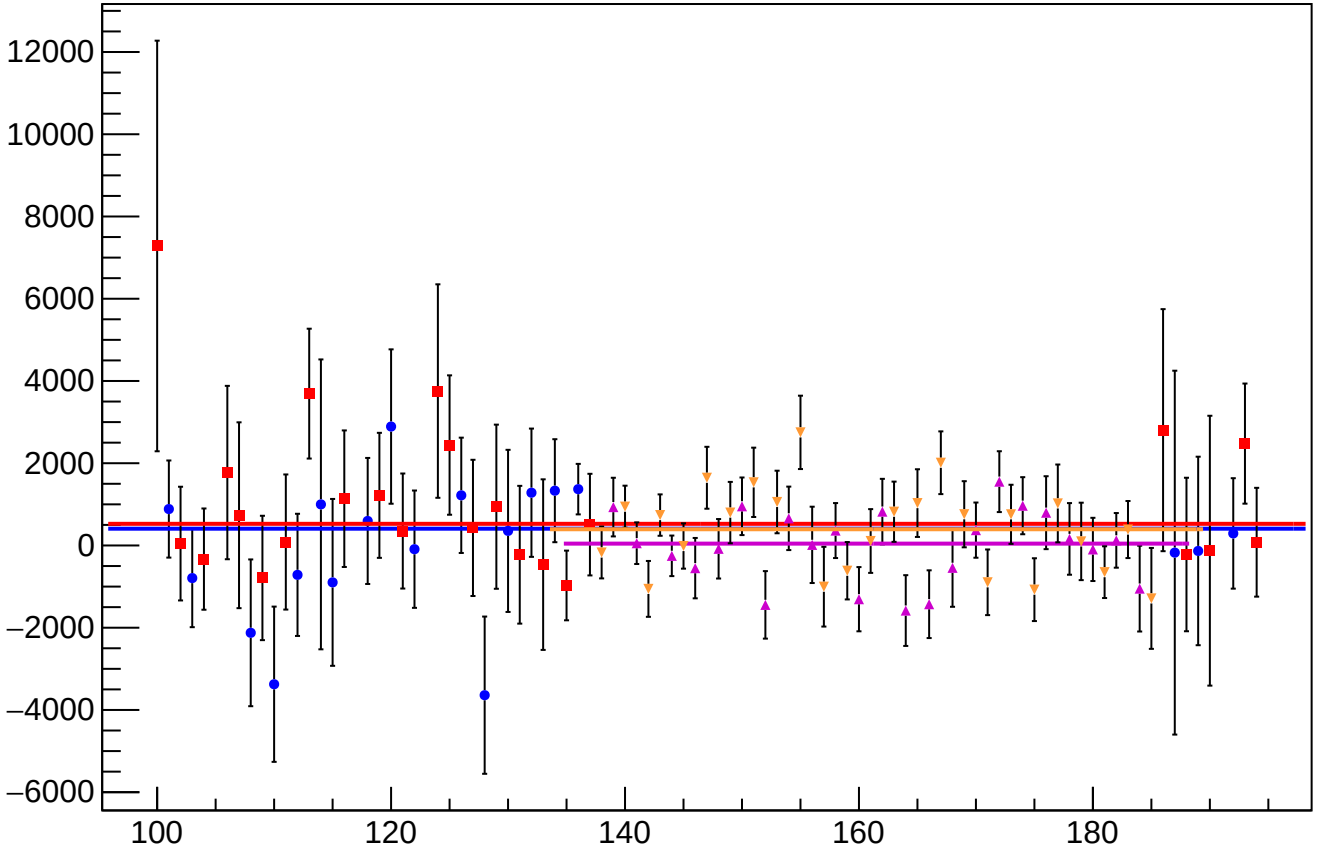
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.670+/-0.178 χ^2/NDF: 770132.5/43

All: 1331.208+/-0.125 χ^2/NDF: 938050.4/90

- sign 1332.696+/-0.175 χ^2/NDF: 167770.8/46

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: 526.366+/-325.404 χ^2/NDF: 17.1/23

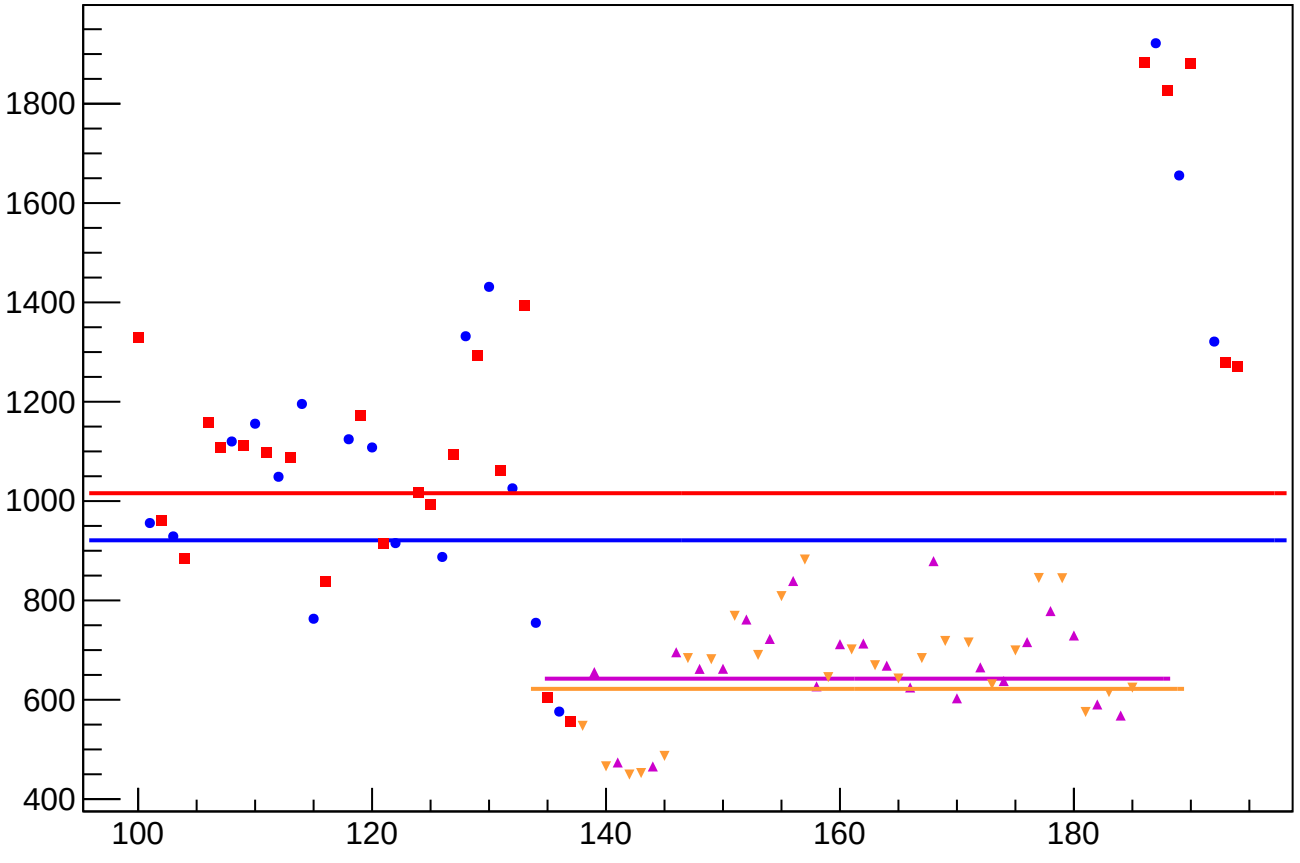
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 396.758+/-132.018 χ^2/NDF: 60.2/43

All: 269.894+/-95.383 χ^2/NDF: 108.6/90

- sign 131.346+/-137.964 χ^2/NDF: 46.5/46

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: 1015.855+/-0.230 χ^2/NDF: 1806401.0/23

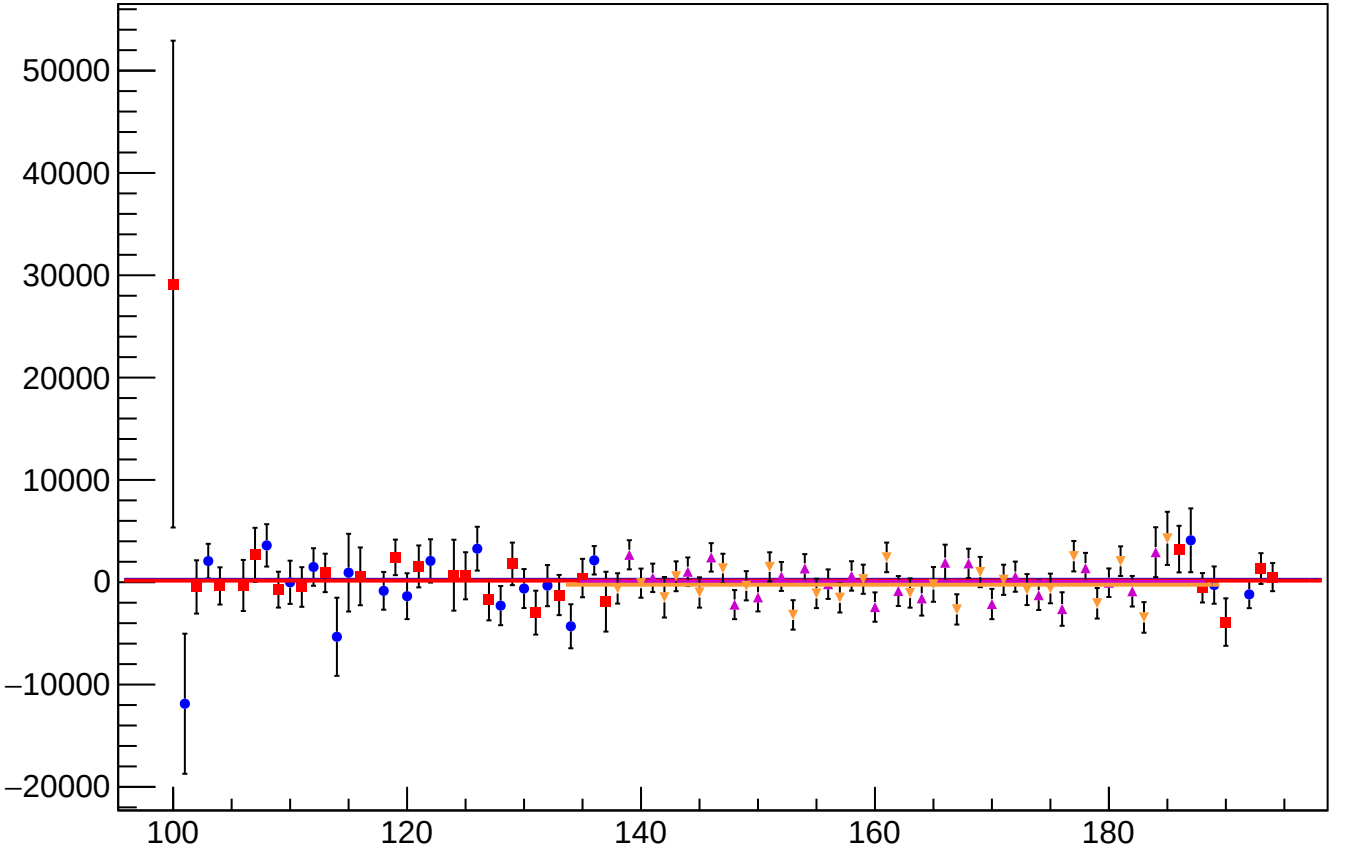
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

\+ sign 671.600+/-0.093 χ^2/NDF: 4343697.1/43

All: 689.758+/-0.067 χ^2/NDF: 9315511.0/90

\- sign 709.588+/-0.098 χ^2/NDF: 4892660.3/46

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: 161.167+/-415.532 χ^2/NDF: 15.8/23

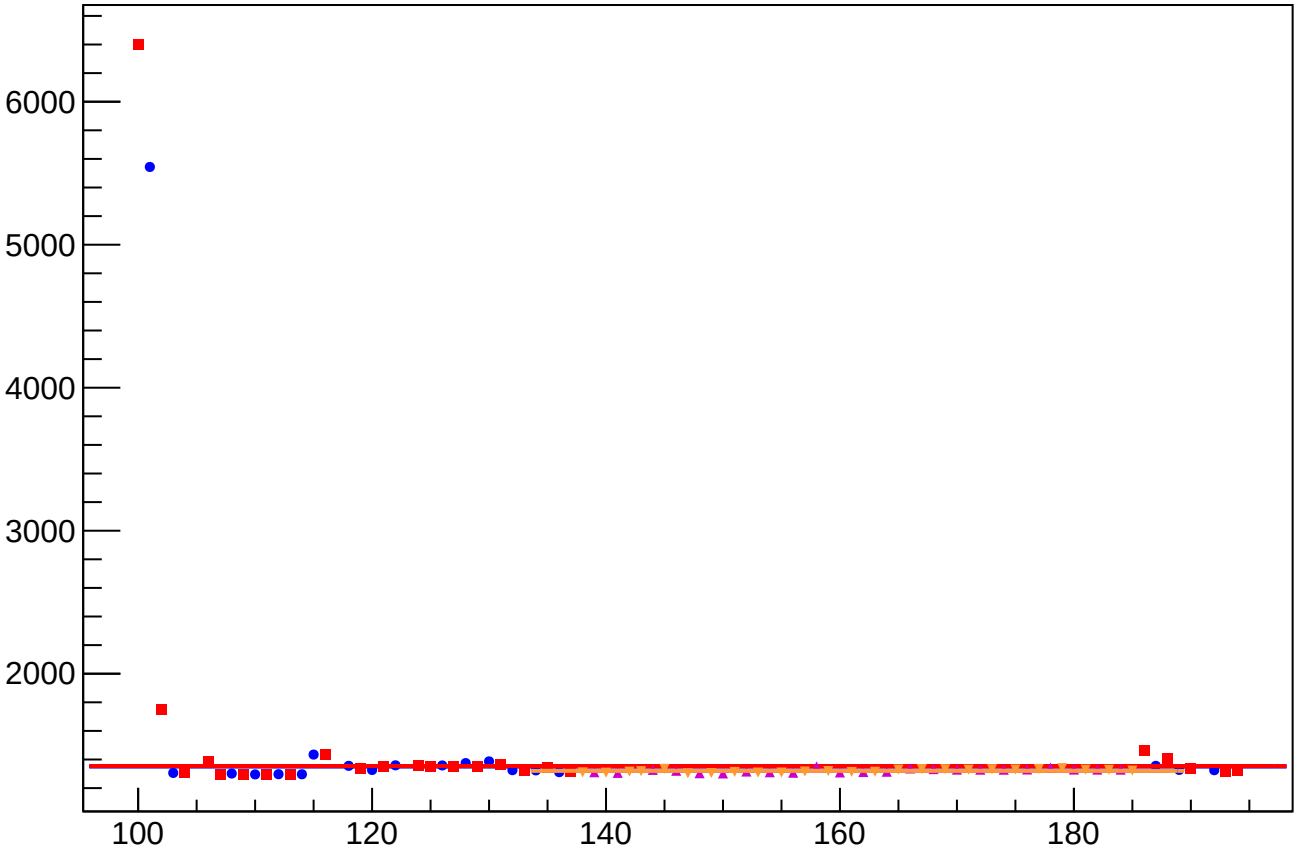
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -99.437+/-251.597 χ^2/NDF: 56.8/43

All: -7.042+/-176.534 χ^2/NDF: 100.0/90

- sign 82.557+/-247.761 χ^2/NDF: 43.0/46

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: 1354.530+/-0.294 χ^2/NDF: 157119.0/23

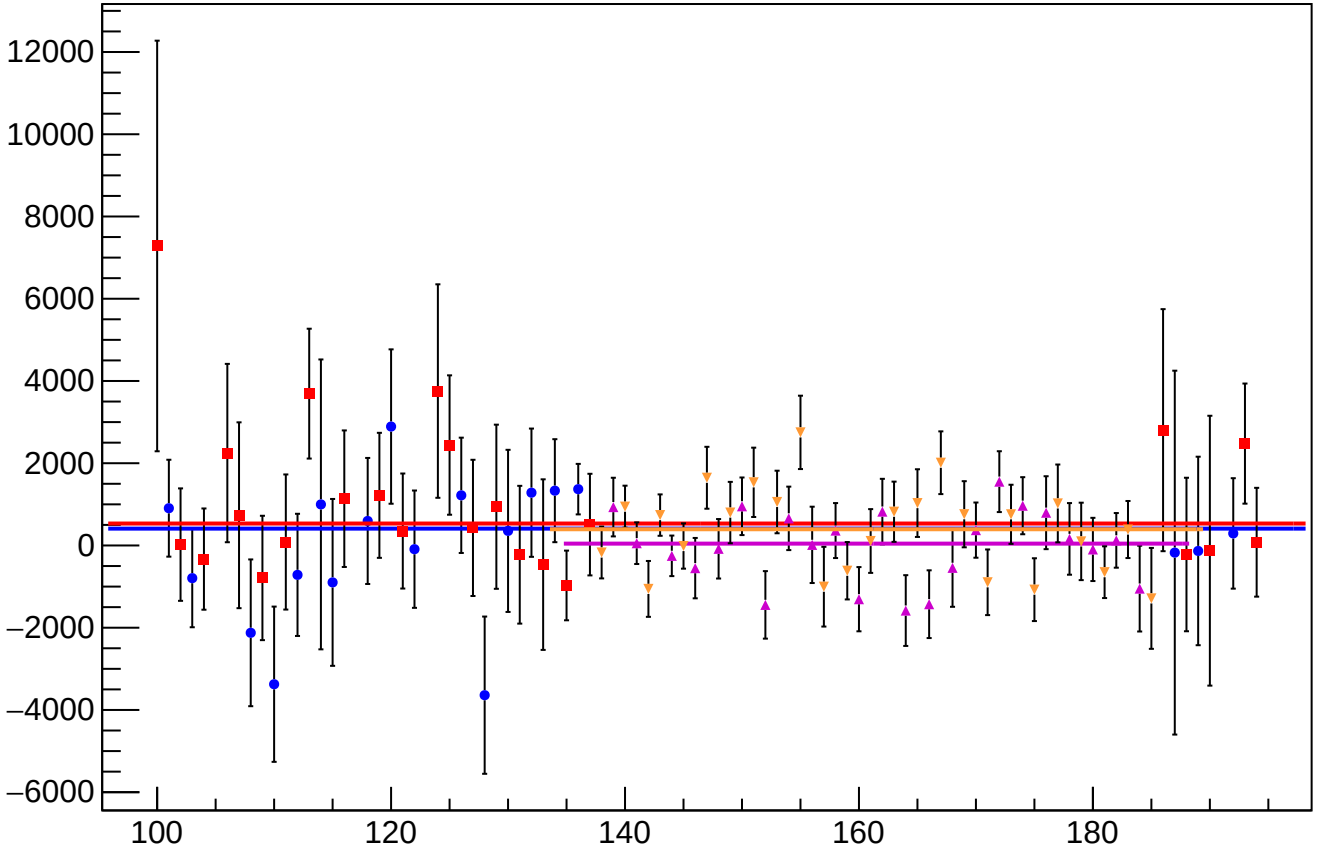
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.670+/-0.178 χ^2/NDF: 770131.6/43

All: 1331.576+/-0.125 χ^2/NDF: 939035.3/90

- sign 1333.425+/-0.175 χ^2/NDF: 168677.6/46

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: 533.472+/-325.408 χ^2/NDF: 17.4/23

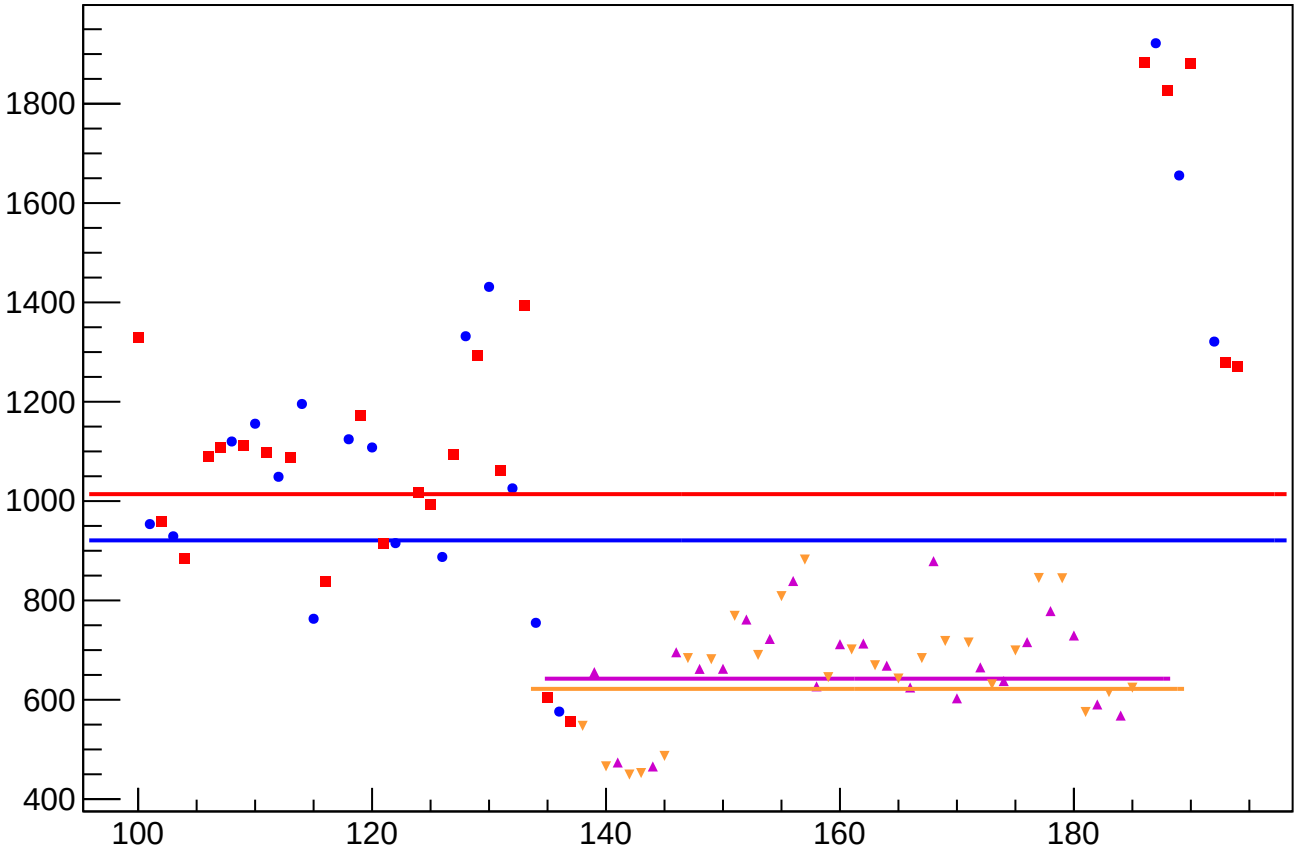
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 397.007+/-132.014 χ^2/NDF: 60.2/43

All: 270.632+/-95.382 χ^2/NDF: 109.0/90

- sign 132.611+/-137.963 χ^2/NDF: 46.9/46

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: 1013.990+/-0.230 χ^2/NDF: 1799931.9/23

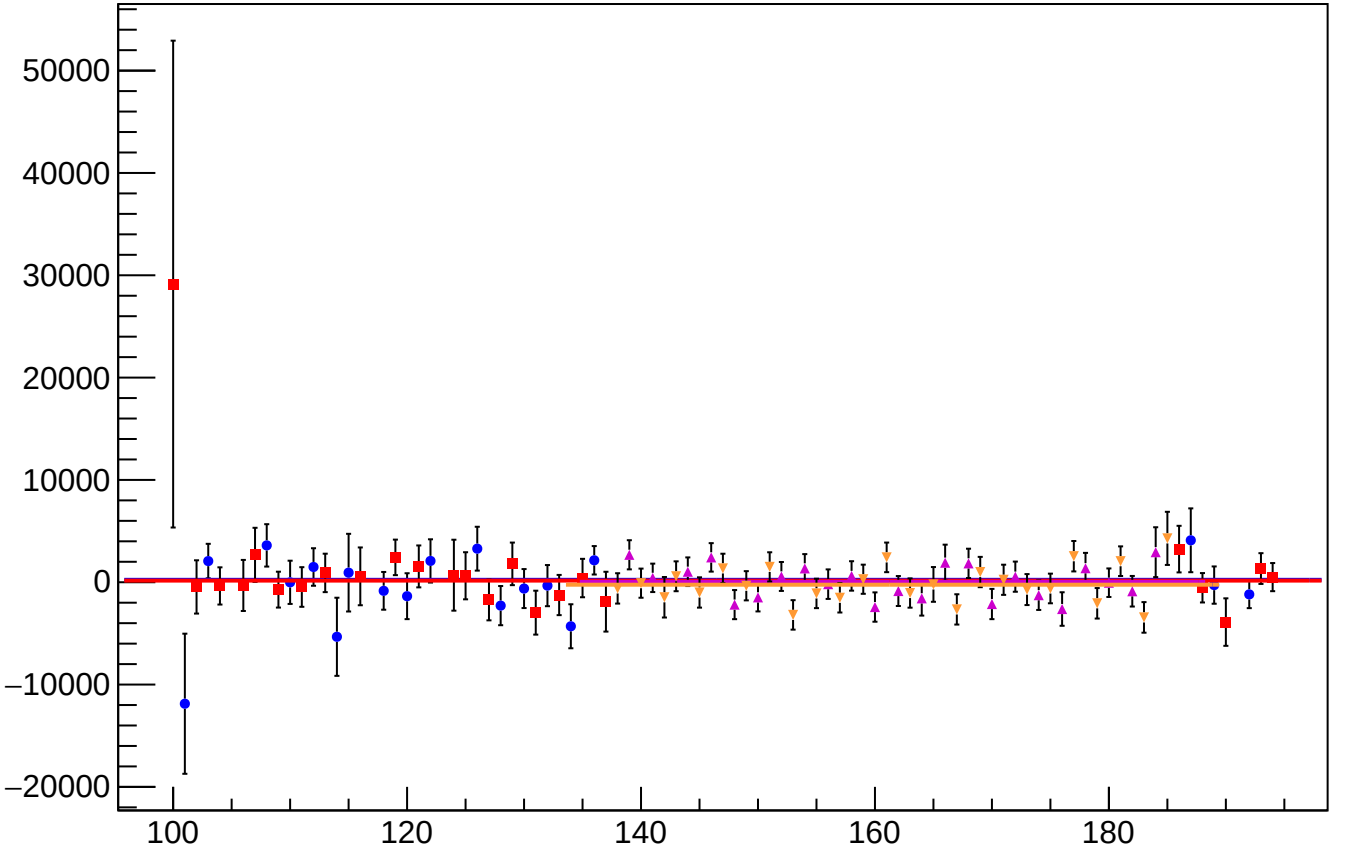
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 671.591+/-0.093 χ^2/NDF: 4342488.5/43

All: 689.590+/-0.067 χ^2/NDF: 9284999.5/90

- sign 709.247+/-0.098 χ^2/NDF: 4864733.4/46

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: 161.167+/-415.532 χ^2/NDF: 15.8/23

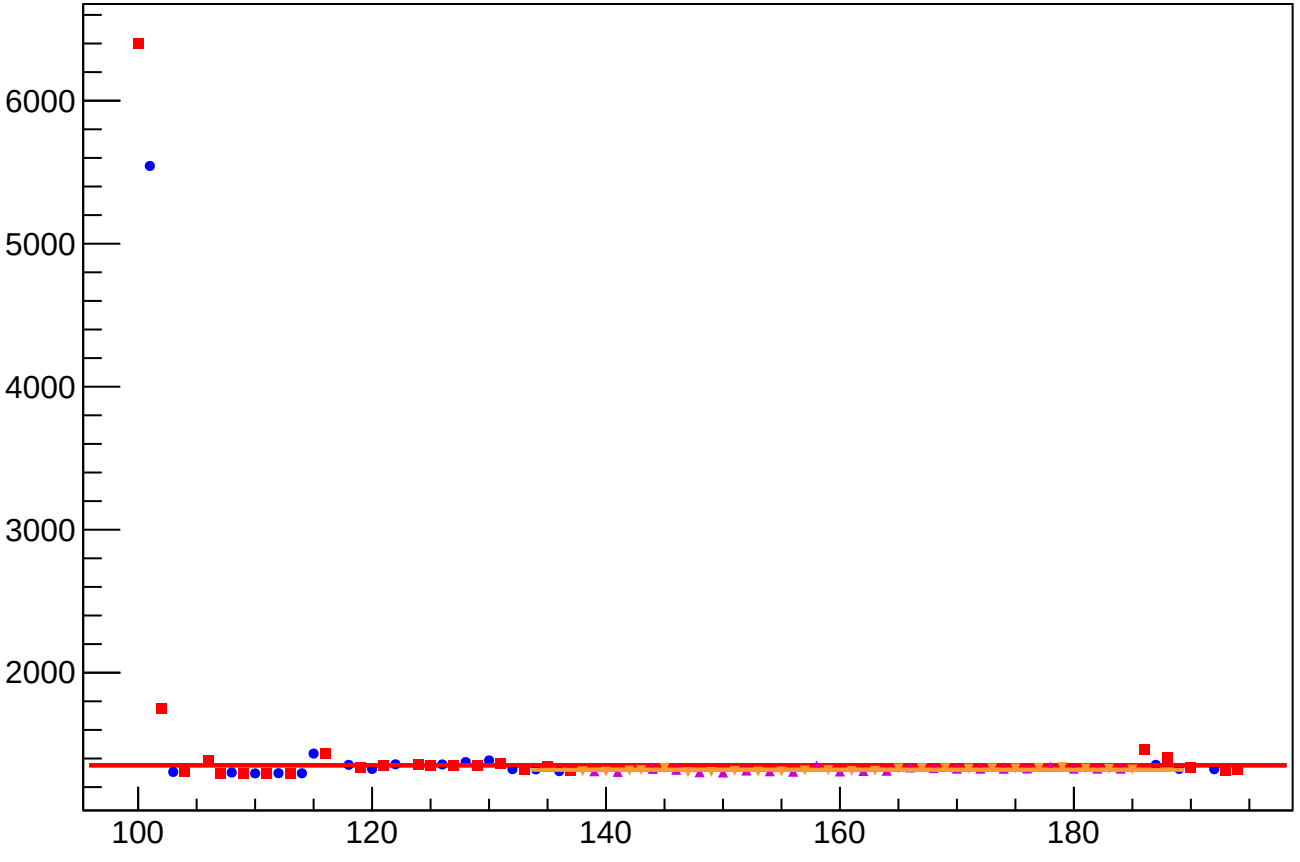
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -99.437+/-251.597 χ^2/NDF: 56.8/43

All: -7.042+/-176.534 χ^2/NDF: 100.0/90

- sign 82.557+/-247.761 χ^2/NDF: 43.0/46

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: 1354.530+/-0.294 χ^2/NDF: 157119.0/23

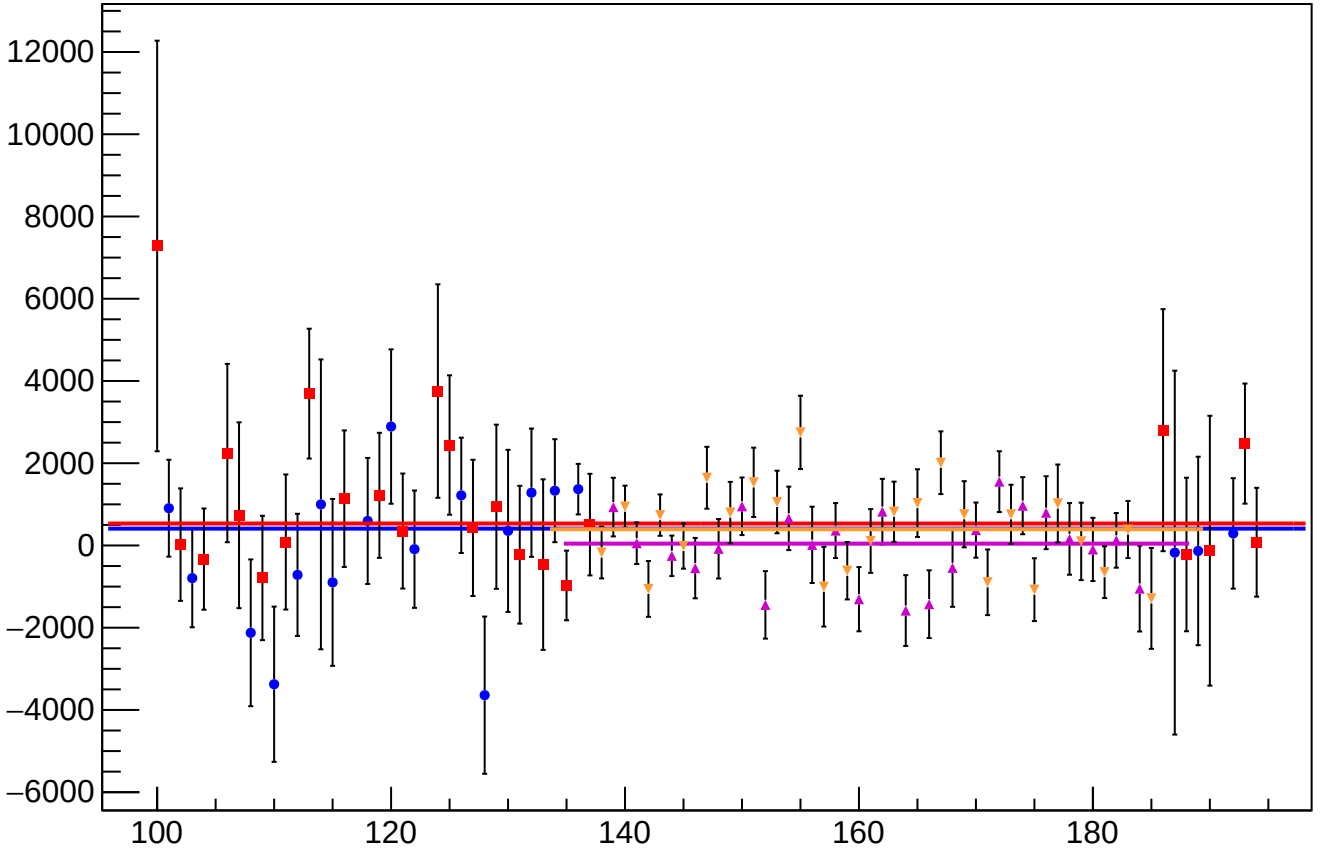
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.670+/-0.178 χ^2/NDF: 770131.6/43

All: 1331.576+/-0.125 χ^2/NDF: 939035.3/90

- sign 1333.425+/-0.175 χ^2/NDF: 168677.6/46

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: 533.472+/-325.408 χ^2/NDF: 17.4/23

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

\+ sign 397.007+/-132.014 χ^2/NDF: 60.2/43

All: 270.632+/-95.382 χ^2/NDF: 109.0/90

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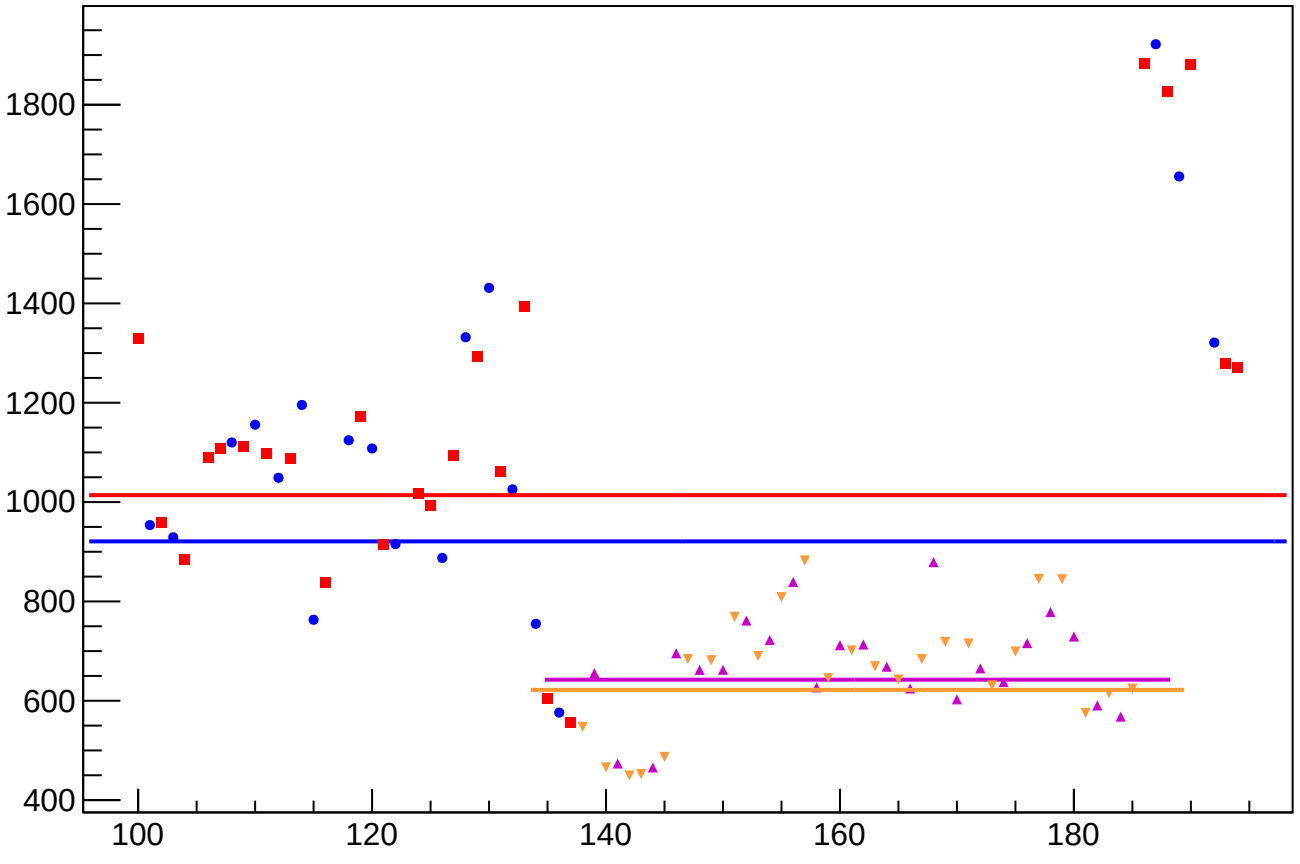

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Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1013.990+/-0.230 χ^2/NDF: 1799931.9/23

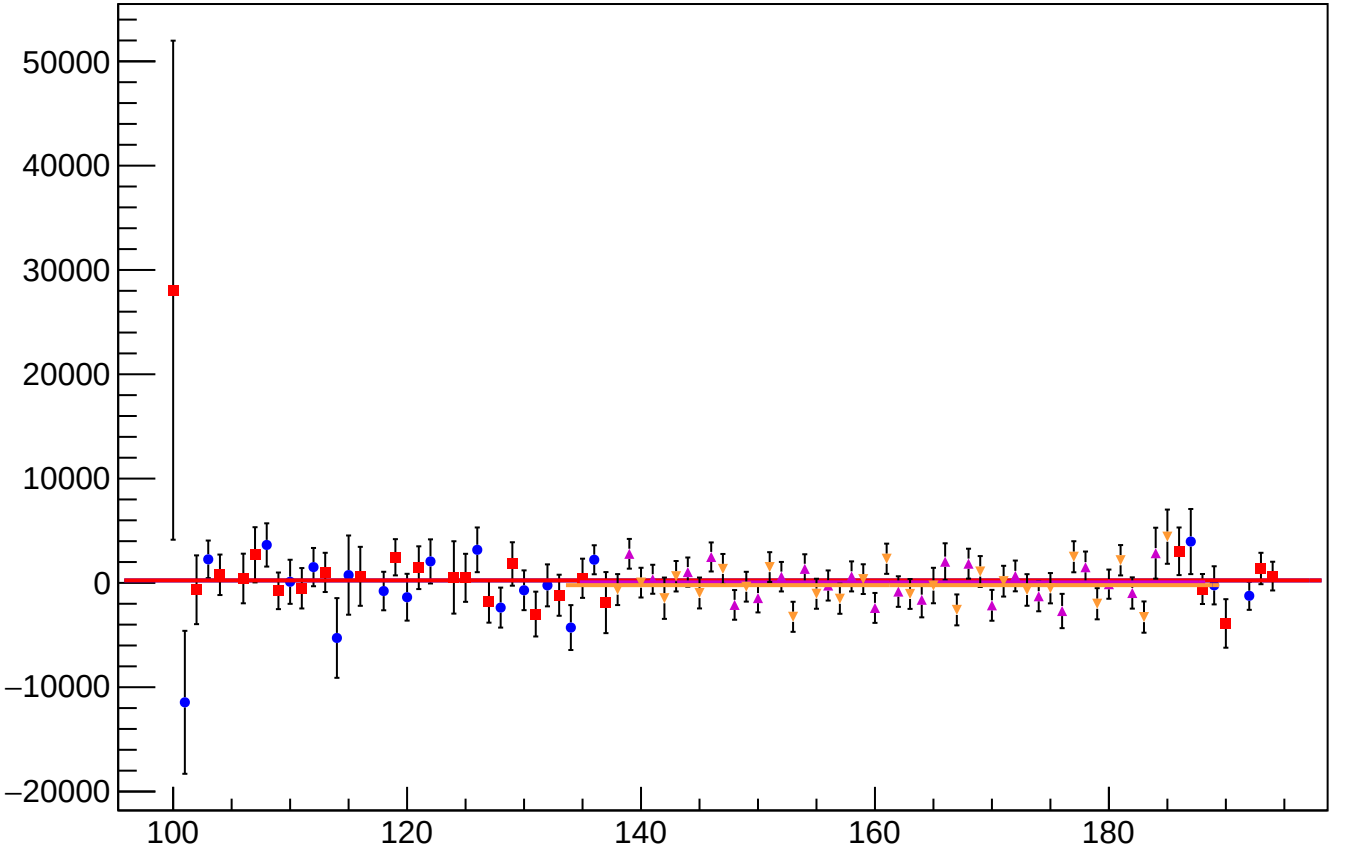
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 671.591+/-0.093 χ^2/NDF: 4342488.5/43

All: 689.590+/-0.067 χ^2/NDF: 9284999.5/90

- sign 709.247+/-0.098 χ^2/NDF: 4864733.4/46

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: 241.828+/-418.658 χ^2/NDF: 15.6/23

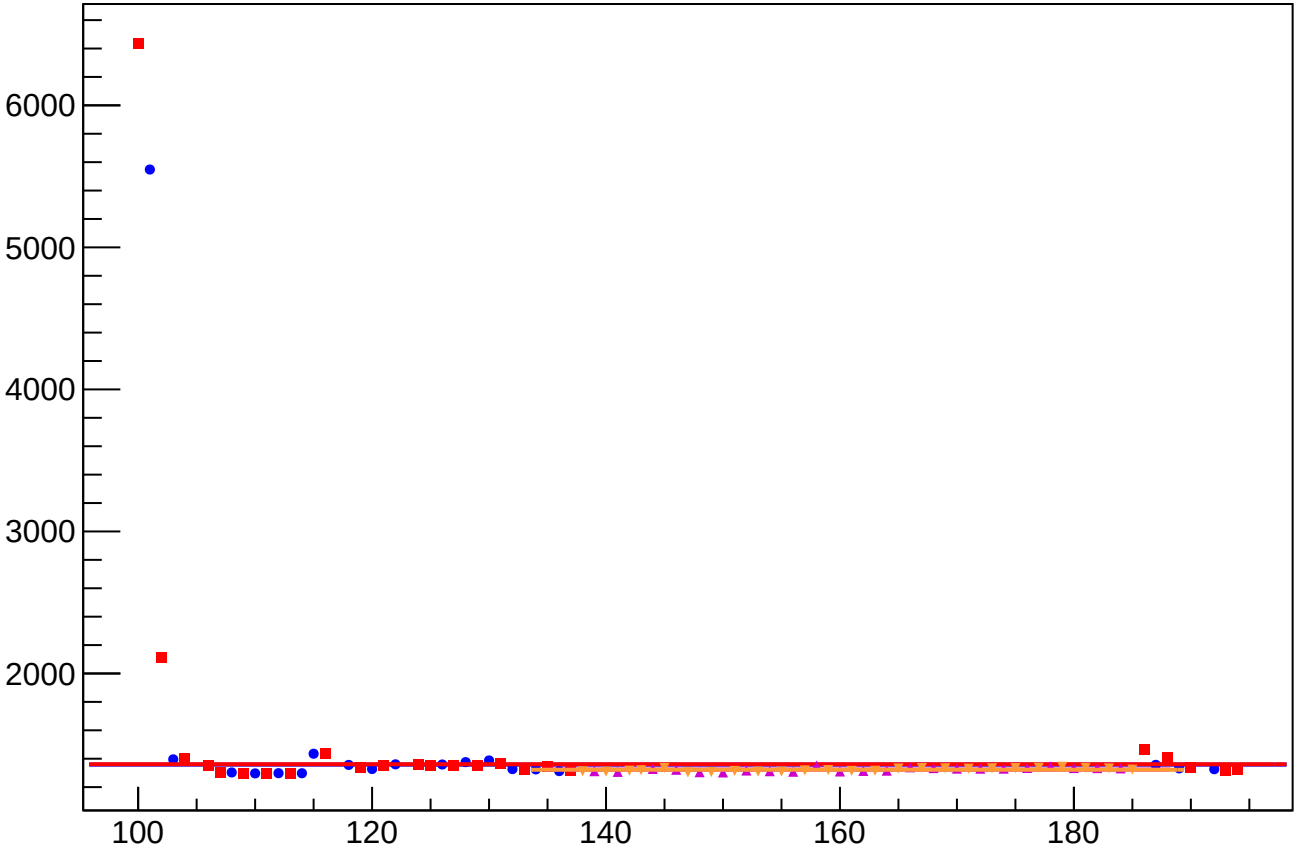
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -82.303+/-252.225 χ^2/NDF: 56.1/43

All: 19.194+/-177.058 χ^2/NDF: 100.0/90

- sign 117.802+/-248.609 χ^2/NDF: 43.6/46

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: 1361.066+/-0.296 χ^2/NDF: 215070.3/23

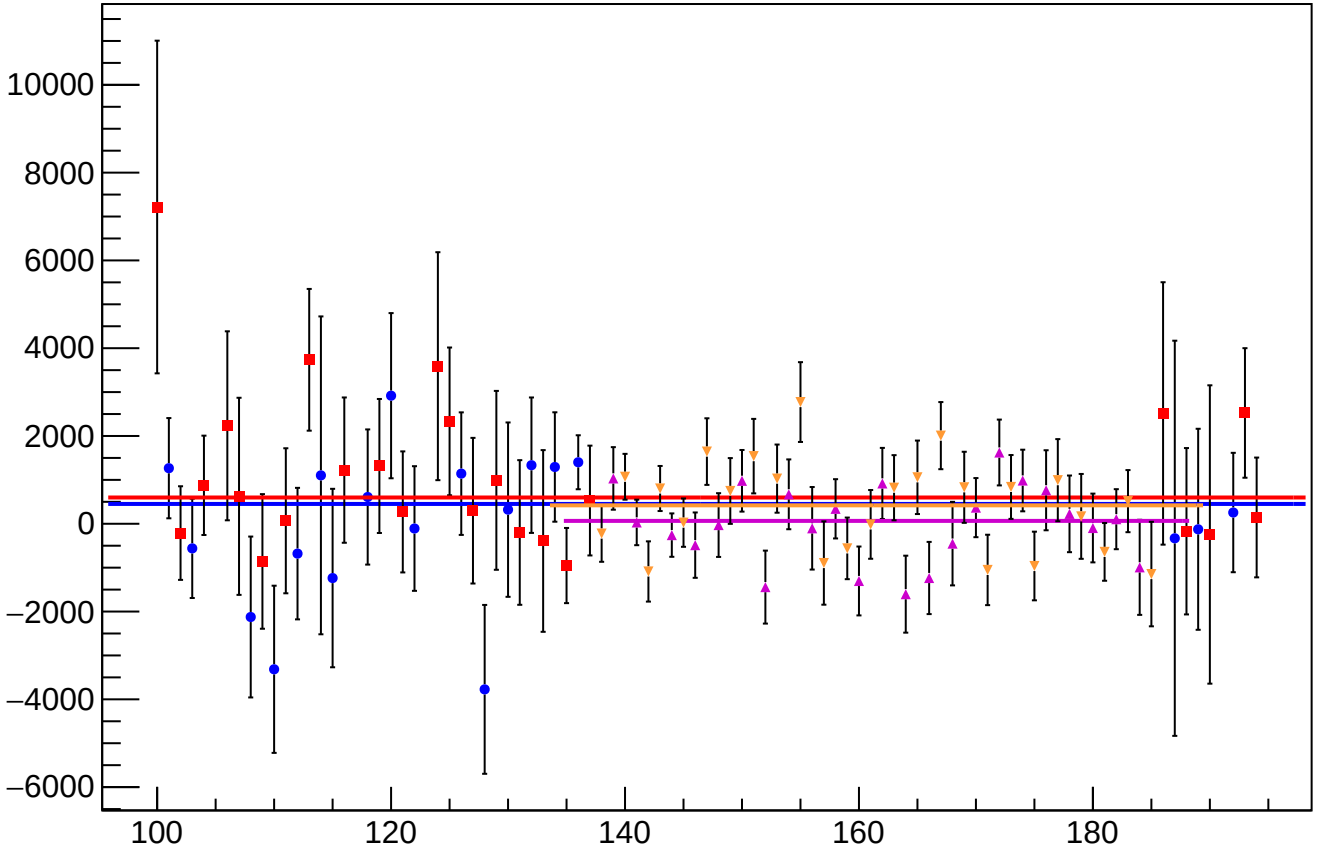
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.964+/-0.178 χ^2/NDF: 772232.1/43

All: 1334.829+/-0.125 χ^2/NDF: 1001889.4/90

- sign 1336.641+/-0.176 χ^2/NDF: 229441.6/46

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: 598.501+/-319.095 χ^2/NDF: 18.1/23

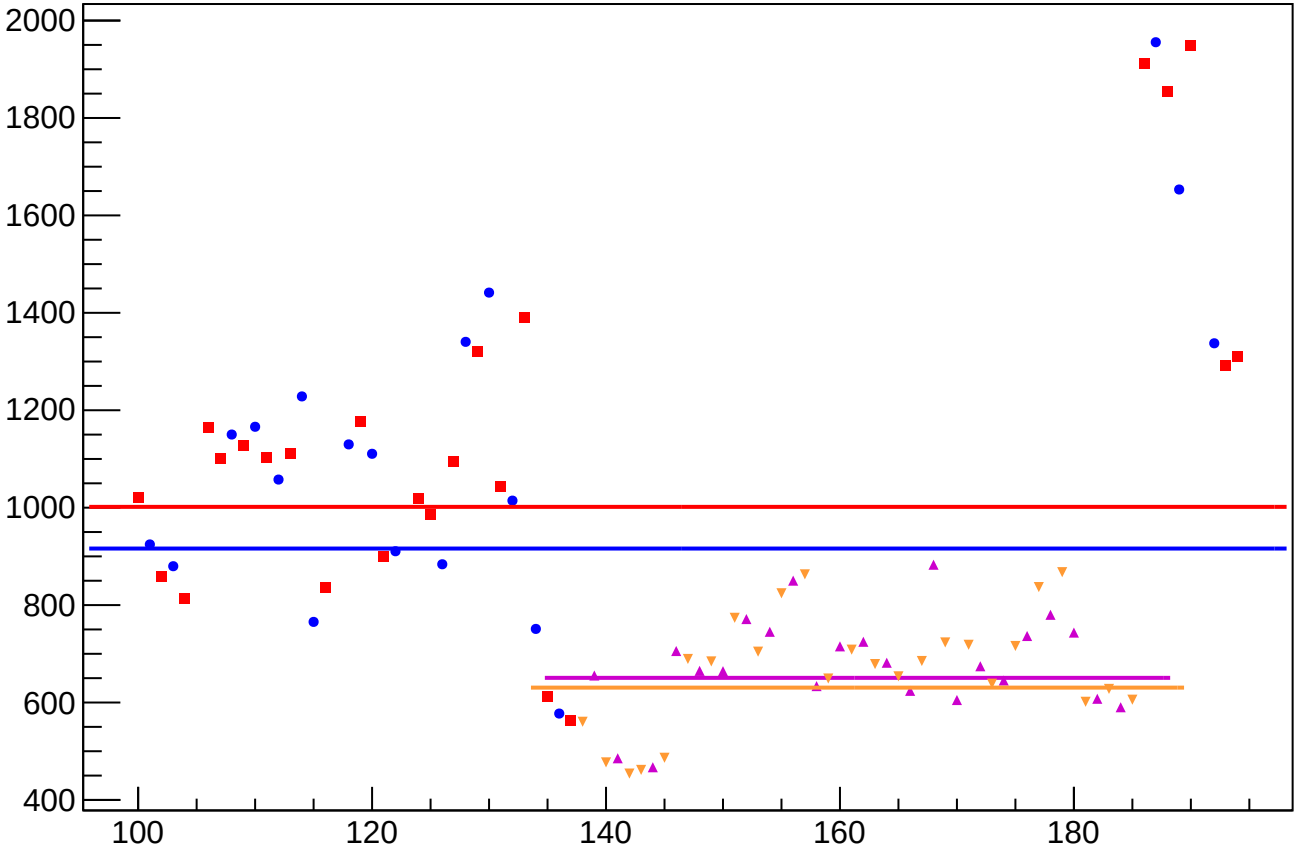
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 425.314+/-133.339 χ^2/NDF: 60.3/43

All: 301.081+/-96.176 χ^2/NDF: 109.5/90

- sign 166.354+/-138.857 χ^2/NDF: 47.4/46

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: 1001.656+/-0.226 χ^2/NDF: 1908598.6/23

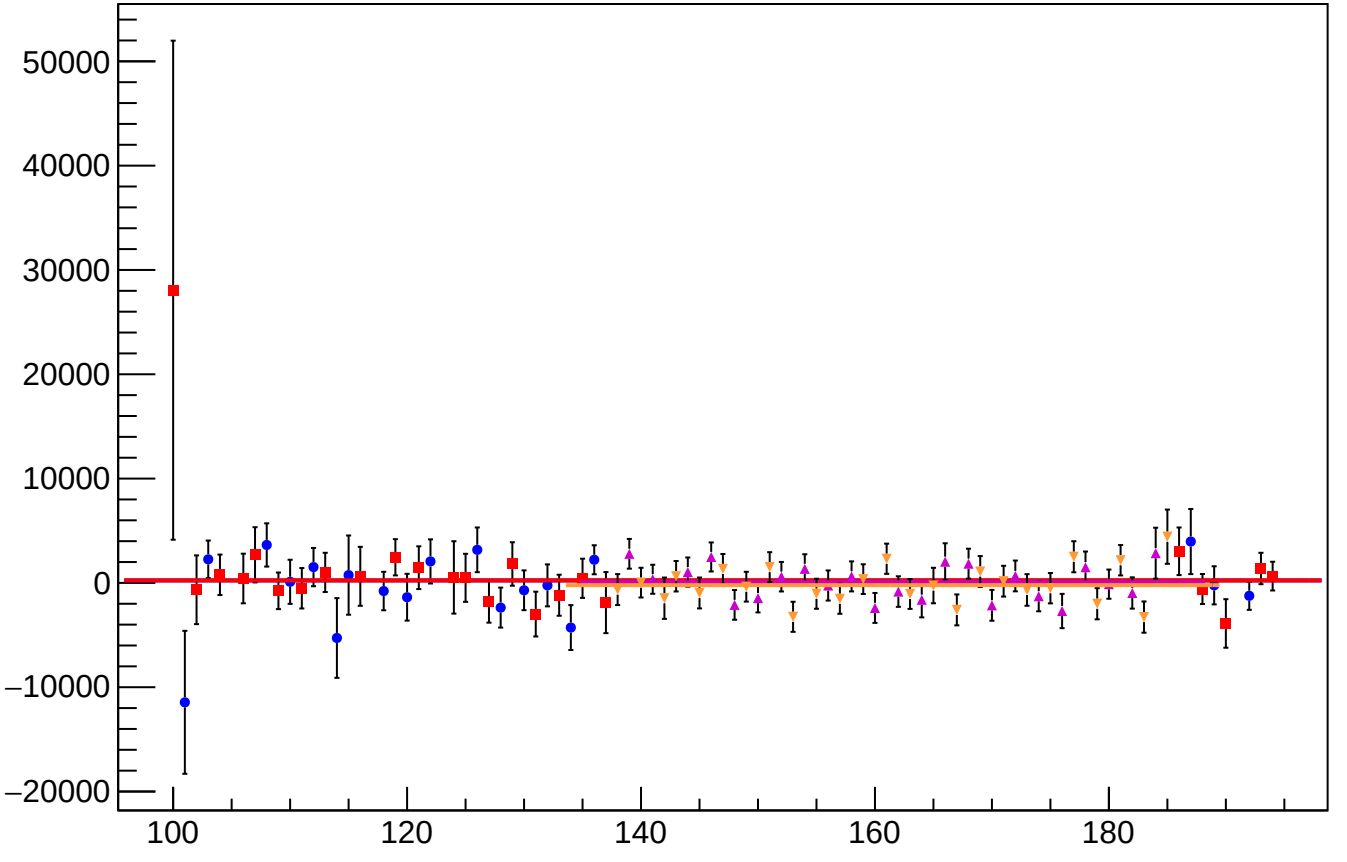
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 679.378+/-0.094 χ^2/NDF: 4194724.3/43

All: 697.478+/-0.068 χ^2/NDF: 9064136.1/90

- sign 717.107+/-0.098 χ^2/NDF: 4792592.3/46

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: 241.826+/-418.658 χ^2/NDF: 15.6/23

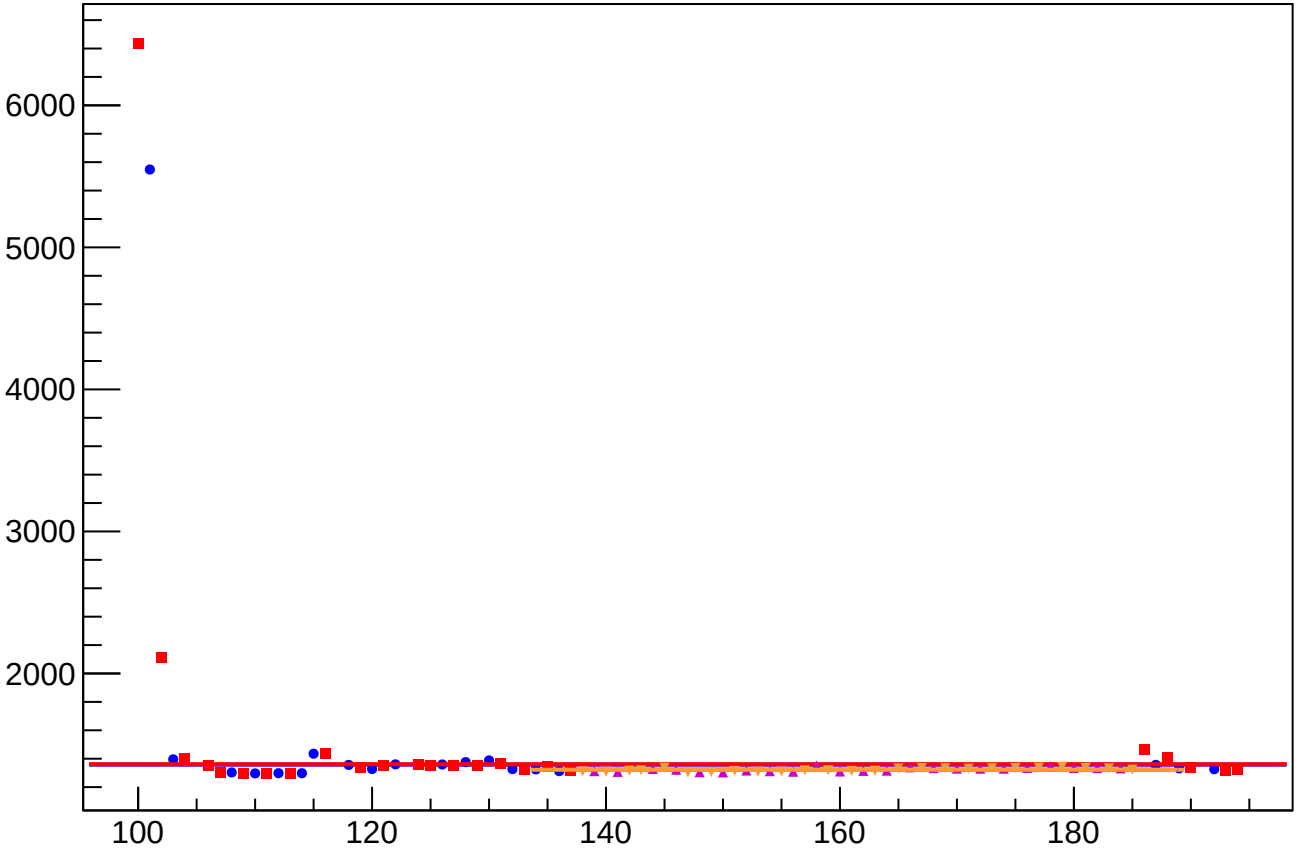
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -82.304+/-252.225 χ^2/NDF: 56.1/43

All: 19.193+/-177.058 χ^2/NDF: 100.0/90

- sign 117.801+/-248.609 χ^2/NDF: 43.6/46

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

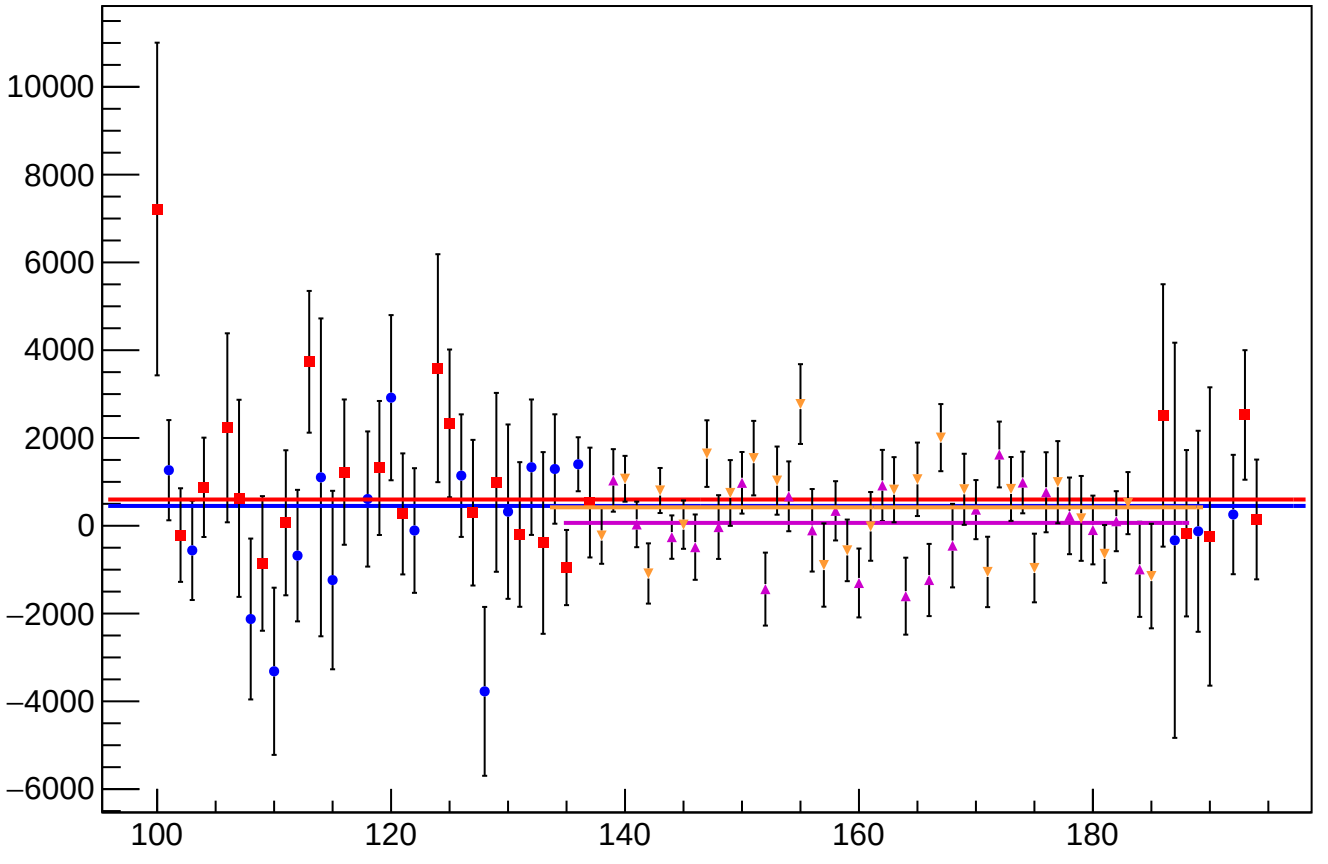
Right Out: 1361.066+/-0.296 χ^2/NDF: 215070.3/23

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.964+/-0.178 χ^2/NDF: 772232.1/43

All: 1334.829+/-0.125 χ^2/NDF: 1001889.3/90

- sign 1336.641+/-0.176 χ^2/NDF: 229441.6/46



Right In: 451.589+/-322.563 χ^2/NDF: 18.7/18

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 598.499+/-319.094 χ^2/NDF: 18.1/23

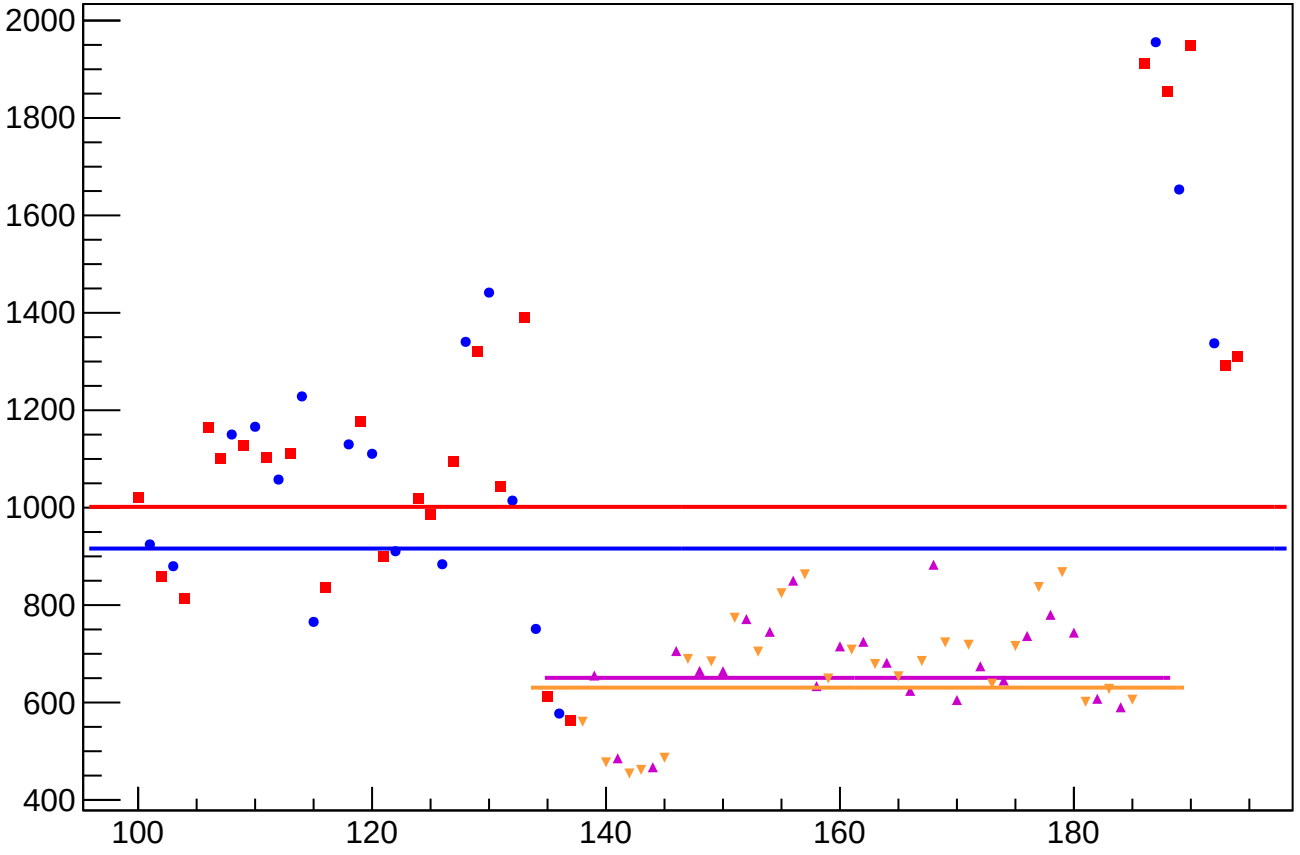
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

\+ sign 425.314+/-133.339 χ^2/NDF: 60.3/43

All: 301.081+/-96.176 χ^2/NDF: 109.5/90

\- sign 166.354+/-138.857 χ^2/NDF: 47.4/46

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: 1001.654+/-0.226 χ^2/NDF: 1908596.1/23

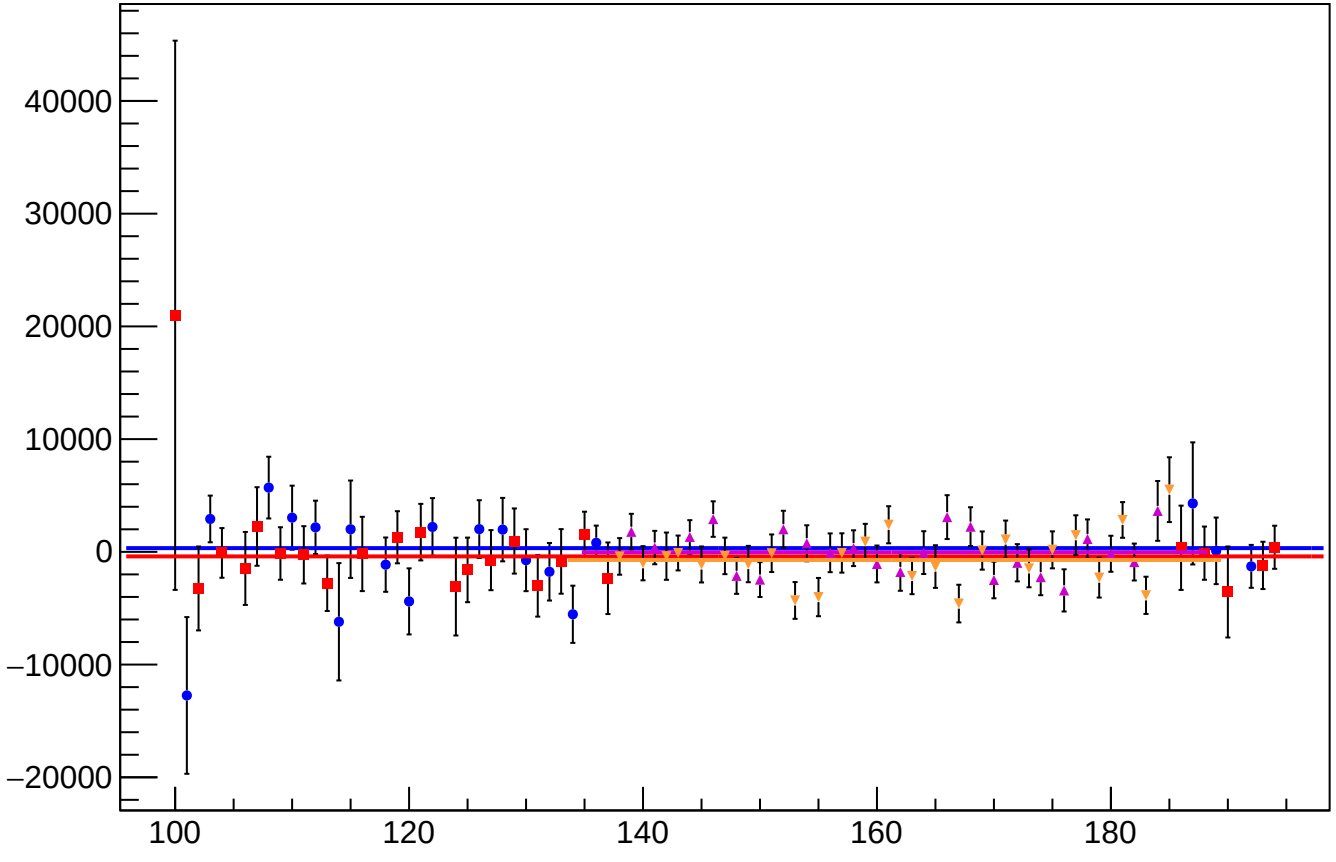
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

\+ sign 679.378+/-0.094 χ^2/NDF: 4194717.1/43

All: 697.478+/-0.068 χ^2/NDF: 9064107.8/90

\- sign 717.108+/-0.098 χ^2/NDF: 4792569.0/46

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: -404.136+/-555.588 χ^2/NDF: 8.3/23

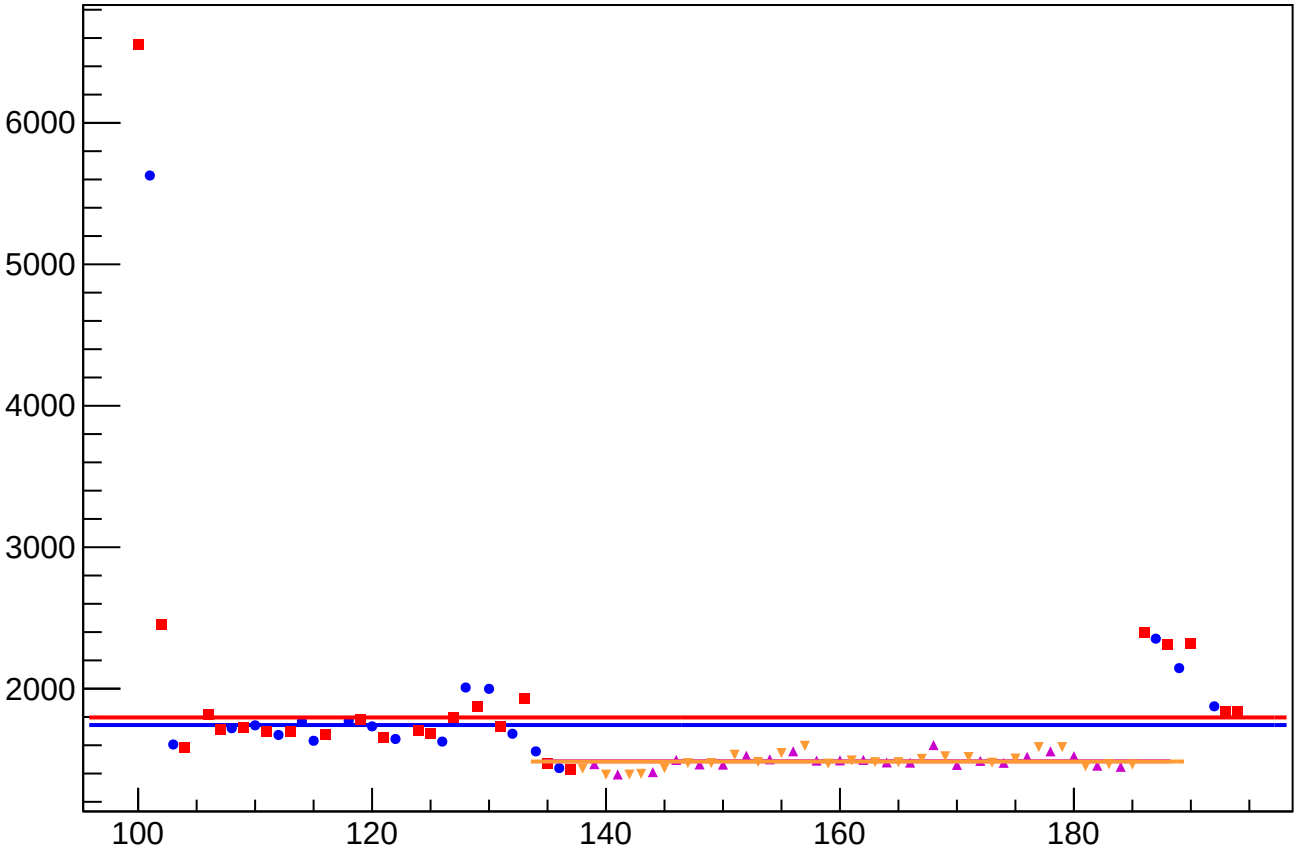
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -464.739+/-293.964 χ^2/NDF: 64.1/43

All: -299.400+/-208.076 χ^2/NDF: 101.3/90

- sign -133.382+/-294.566 χ^2/NDF: 36.6/46

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: 1796.673+/-0.393 χ^2/NDF: 445292.0/23

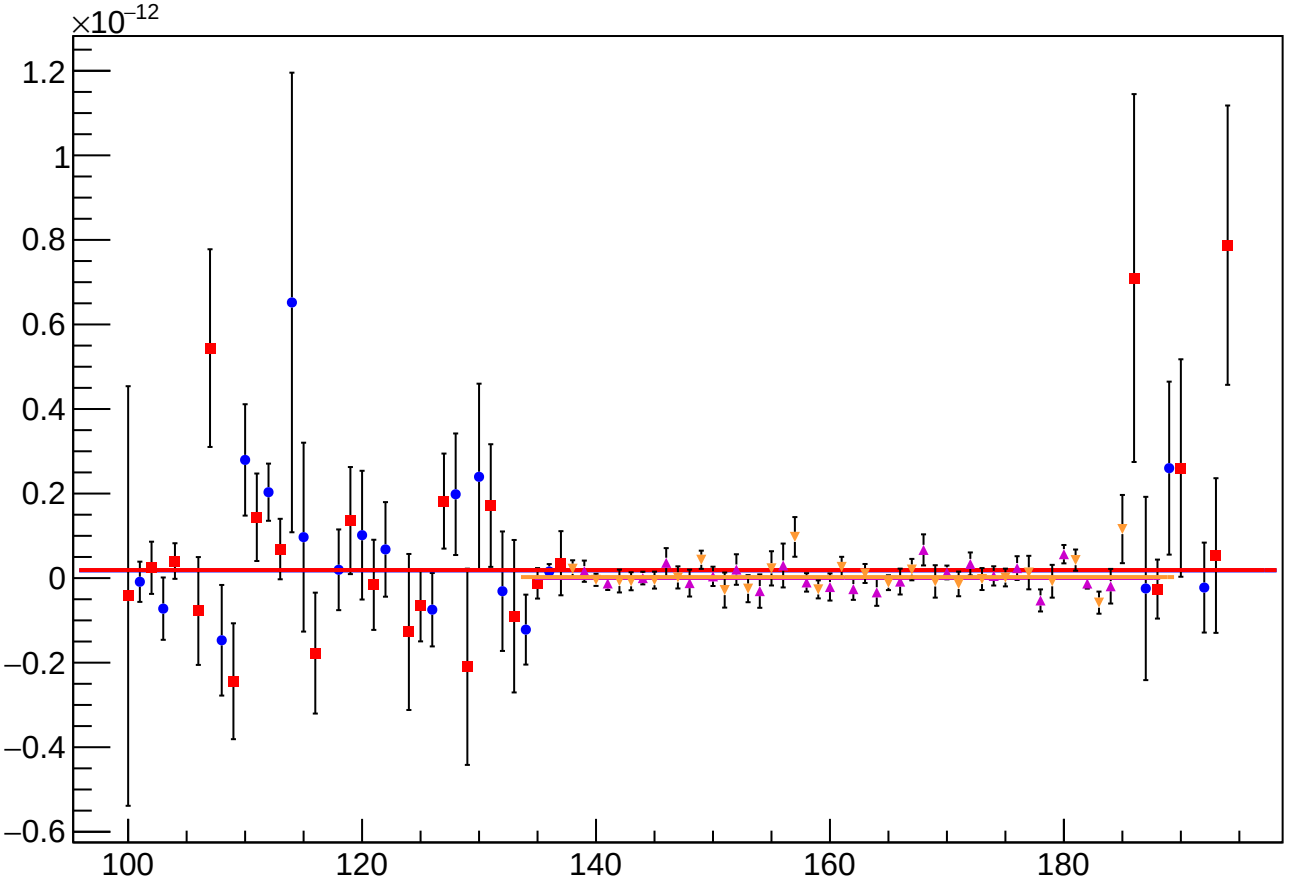
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1547.314+/-0.208 χ^2/NDF: 1176543.4/43

All: 1560.695+/-0.147 χ^2/NDF: 2111317.2/90

- sign 1574.130+/-0.208 χ^2/NDF: 926469.7/46

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

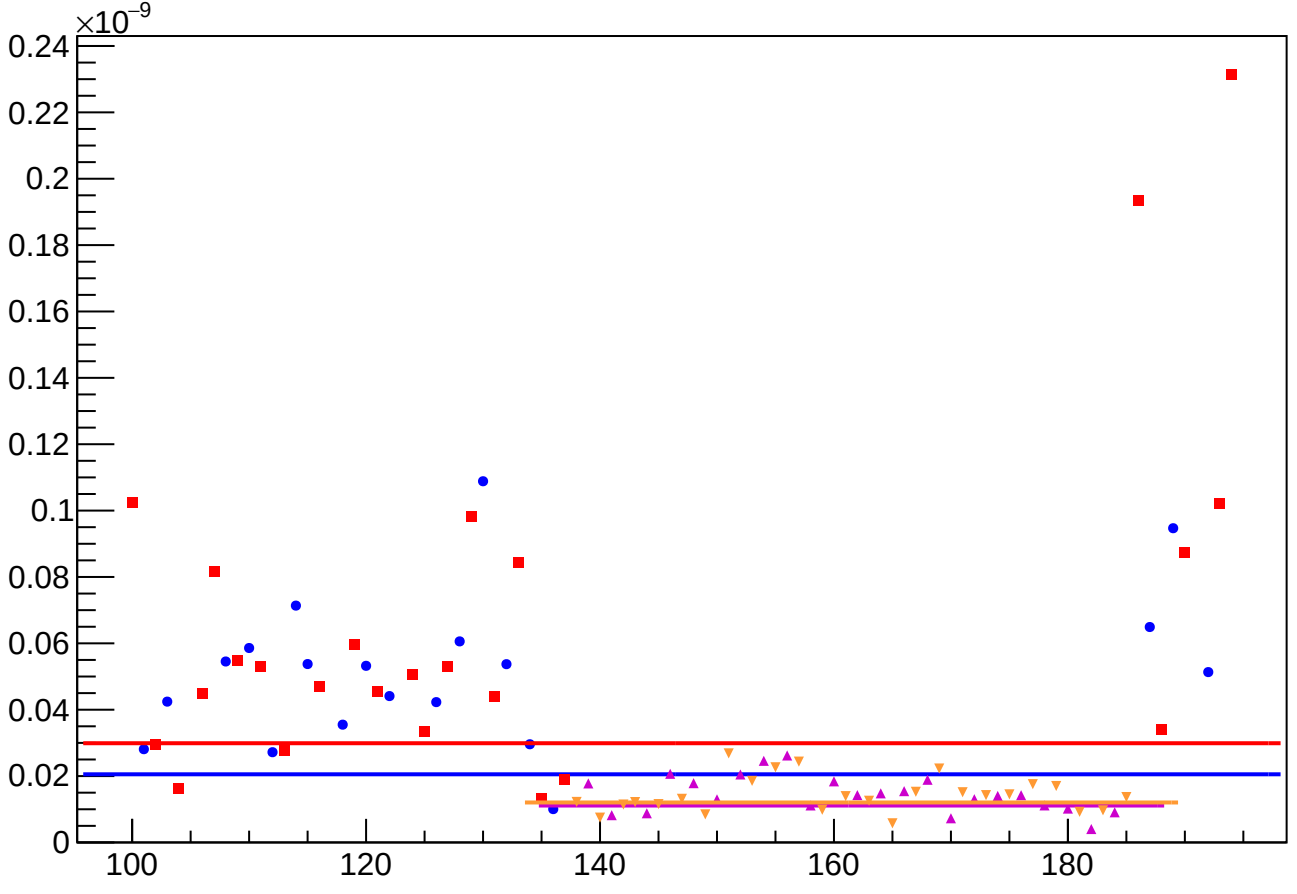
Right Out: 0.000+/-0.000 χ^2/NDF: 30.6/23

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: 108.3/90

- sign 0.000+/-0.000 χ^2/NDF: 56.5/46



Right In: 0.000+/-0.000 χ^2/NDF: 2800865.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

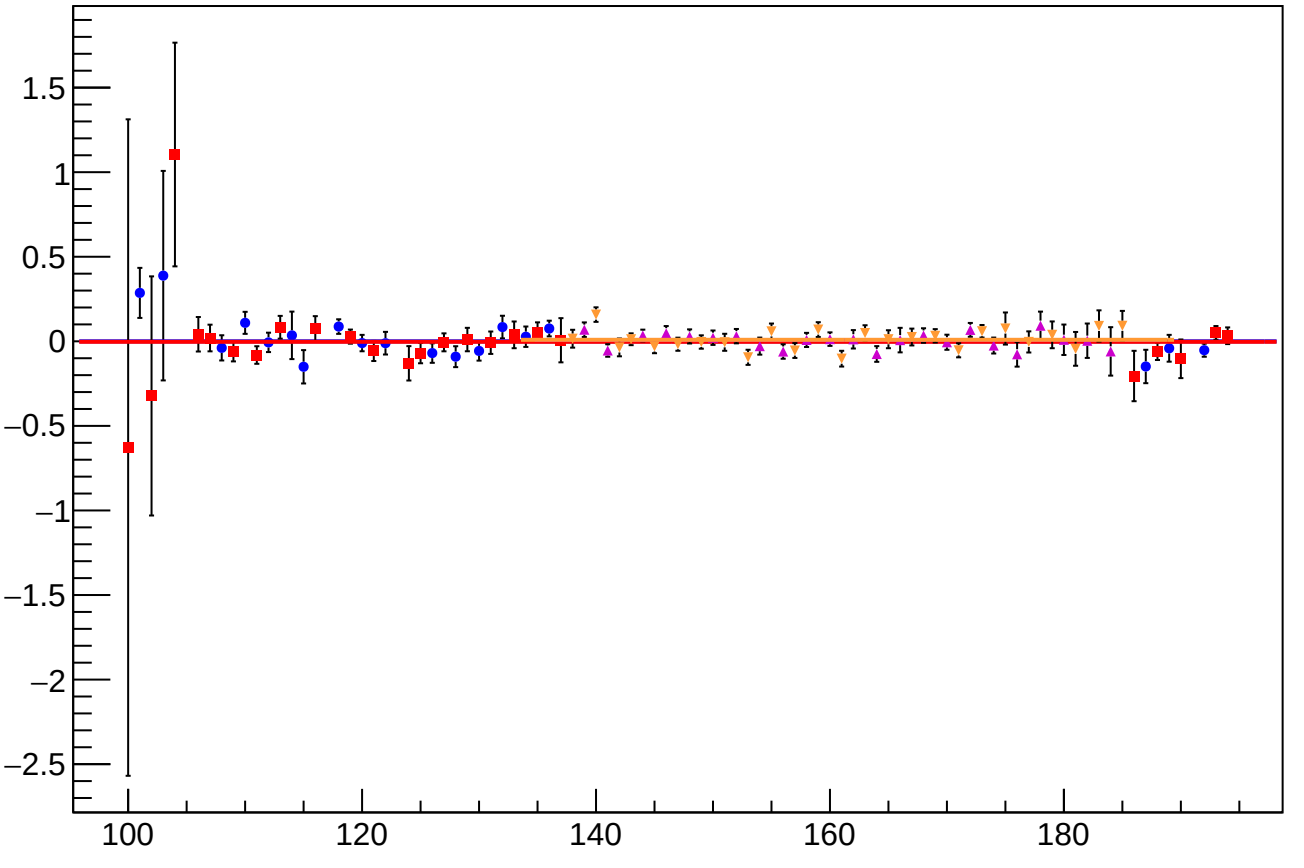
Right Out: 0.000+/-0.000 χ^2/NDF: 3126667.9/23

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4960071.1/43

All: 0.000+/-0.000 χ^2/NDF: 12291271.0/90

- sign 0.000+/-0.000 χ^2/NDF: 7314340.7/46



Right In: 0.000+/-0.014 χ^2/NDF: 27.2/18

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.014 χ^2/NDF: 21.0/23

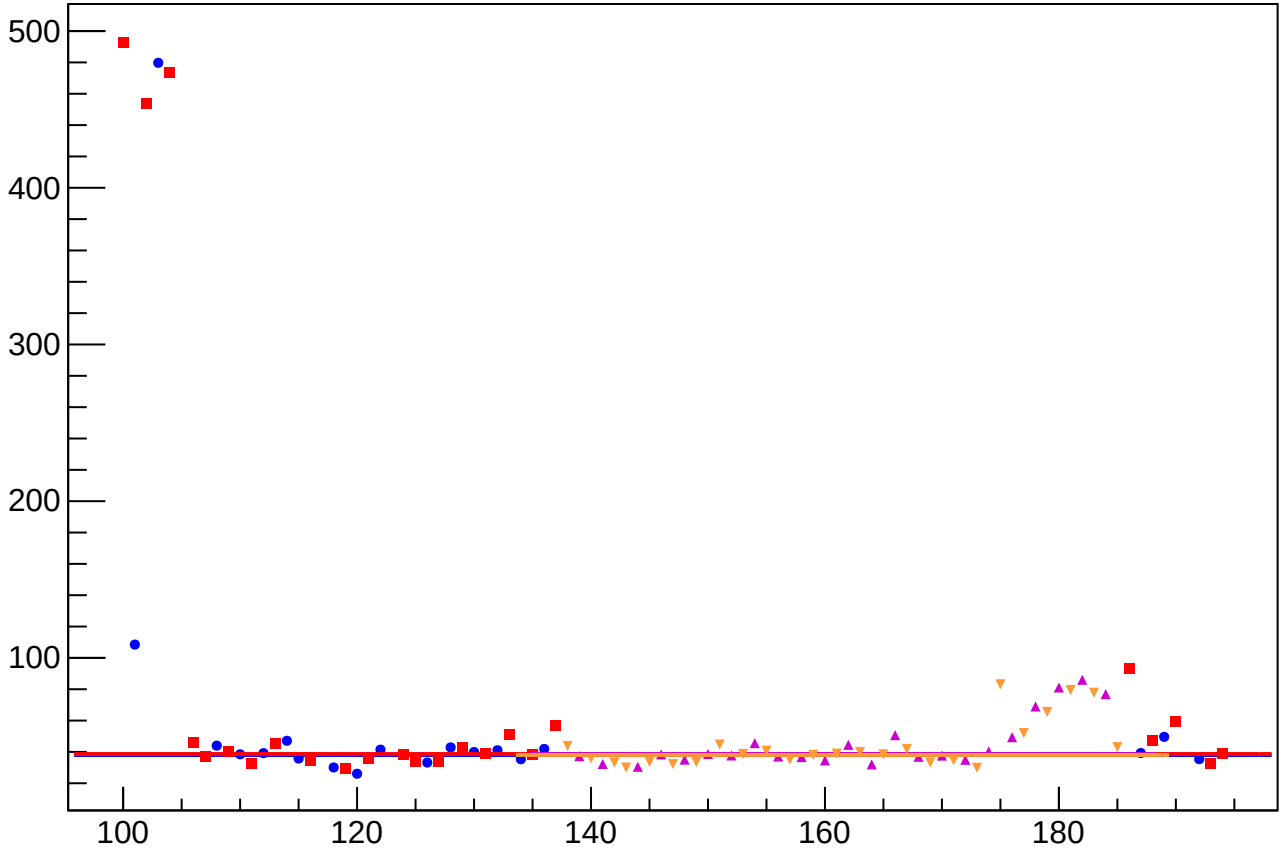
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 66.1/43

All: 0.005+/-0.006 χ^2/NDF: 106.4/90

- sign 0.004+/-0.008 χ^2/NDF: 40.3/46

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

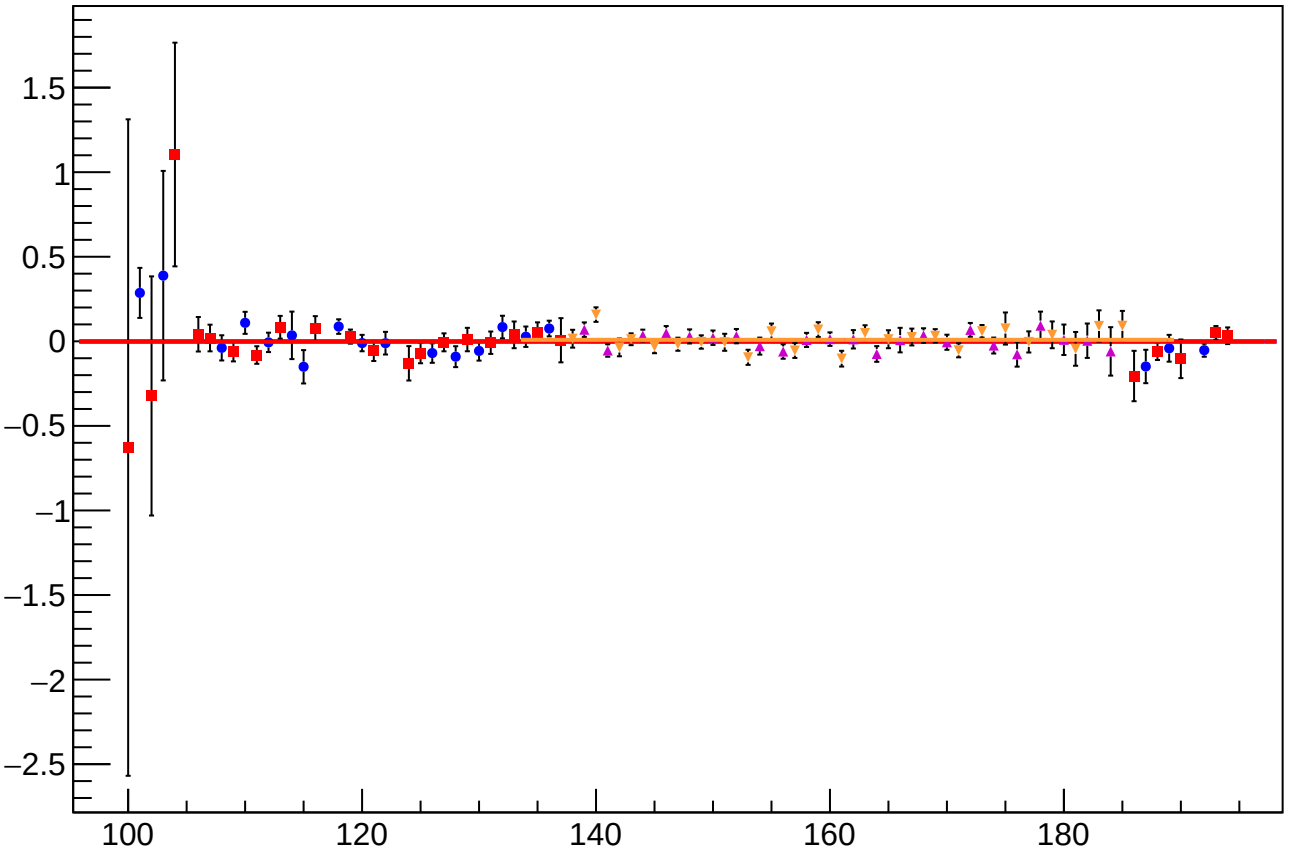
Right Out: 38.642+/-0.010 χ^2/NDF: 2391222.5/23

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 38.046+/-0.006 χ^2/NDF: 3759171.2/43

All: 38.338+/-0.004 χ^2/NDF: 7883475.3/90

- sign 38.634+/-0.006 χ^2/NDF: 4118888.2/46



Right In: 0.000+/-0.014 χ^2/NDF: 27.2/18

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.014 χ^2/NDF: 21.0/23

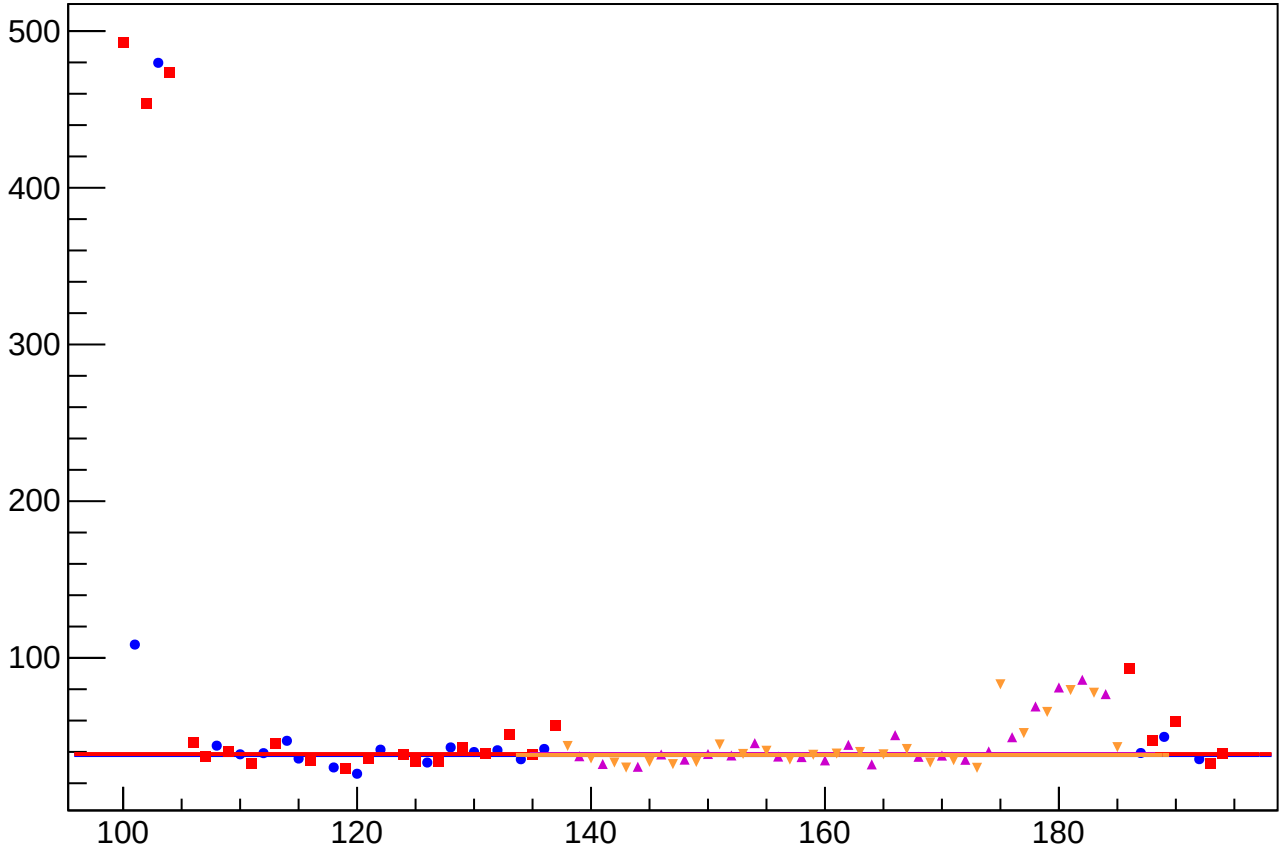
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 66.1/43

All: 0.005+/-0.006 χ^2/NDF: 106.4/90

- sign 0.004+/-0.008 χ^2/NDF: 40.3/46

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

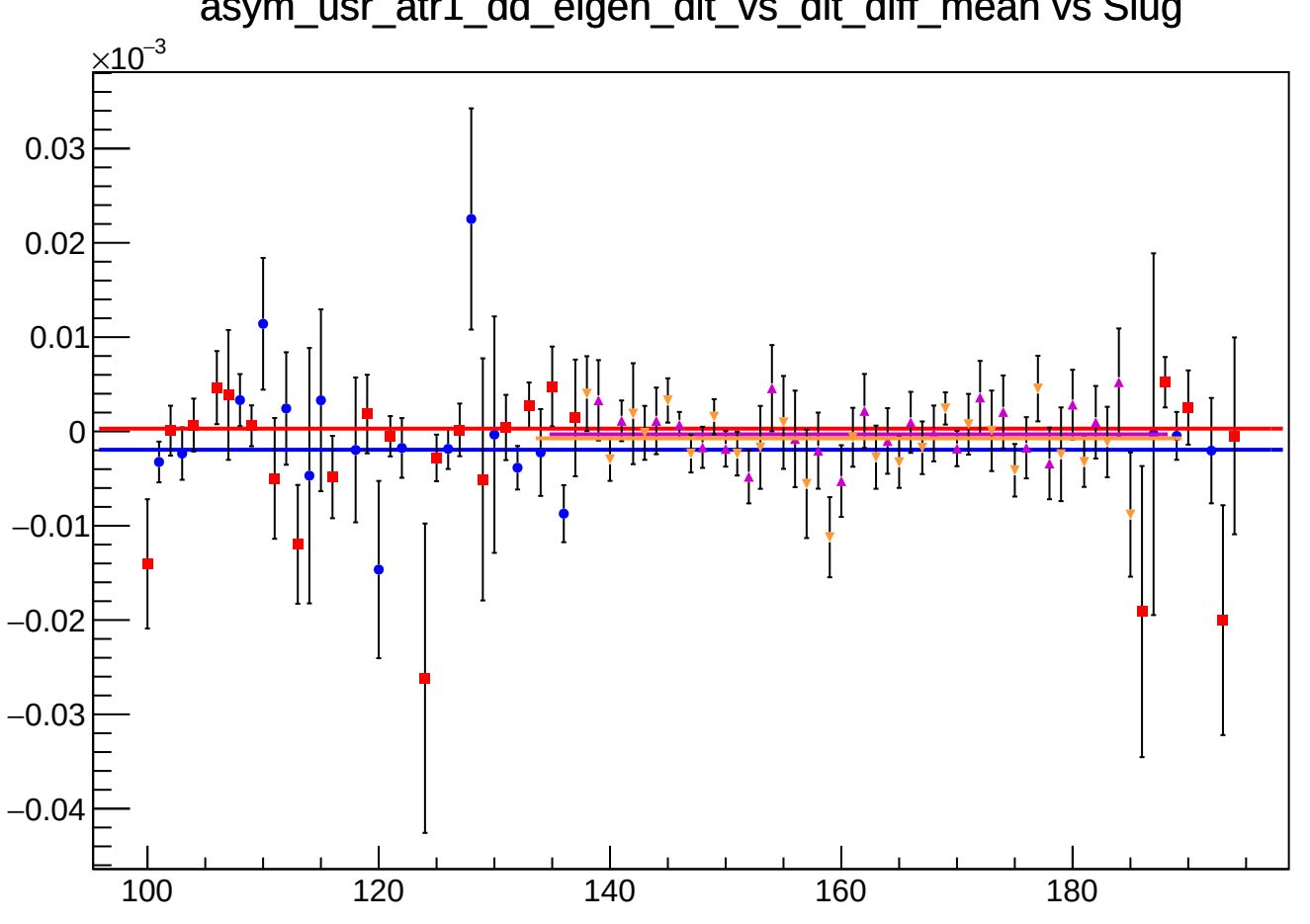
Right Out: 38.642+/-0.010 χ^2/NDF: 2391222.5/23

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 38.046+/-0.006 χ^2/NDF: 3759171.2/43

All: 38.338+/-0.004 χ^2/NDF: 7883475.3/90

\- sign 38.634+/-0.006 χ^2/NDF: 4118888.2/46



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

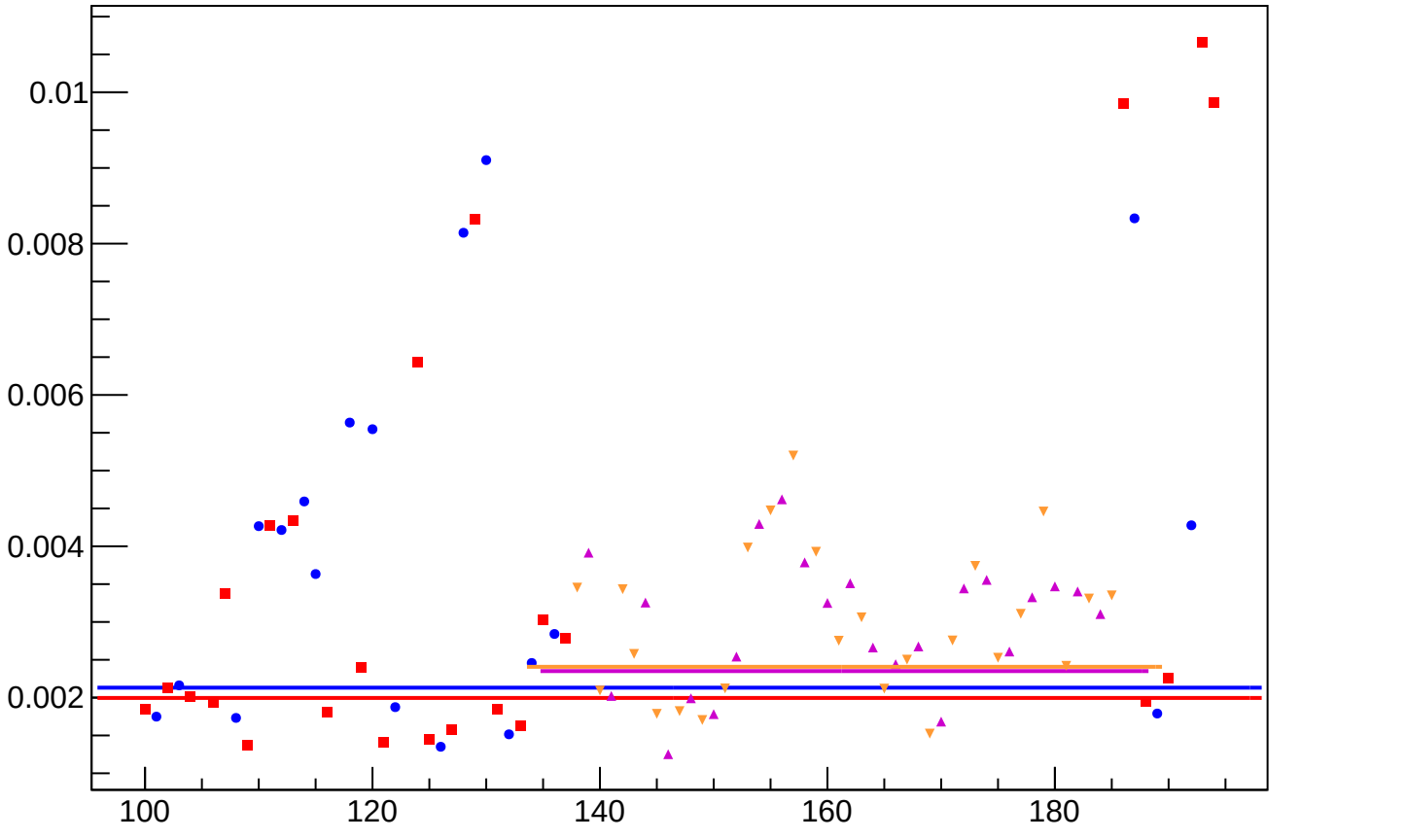
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/23

Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.8/43

All: -0.000+/-0.000 χ^2/NDF: 92.2/90

- sign -0.000+/-0.000 χ^2/NDF: 40.9/46



Right In: 0.002+/-0.000 χ^2/NDF: 3559460.2/18

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

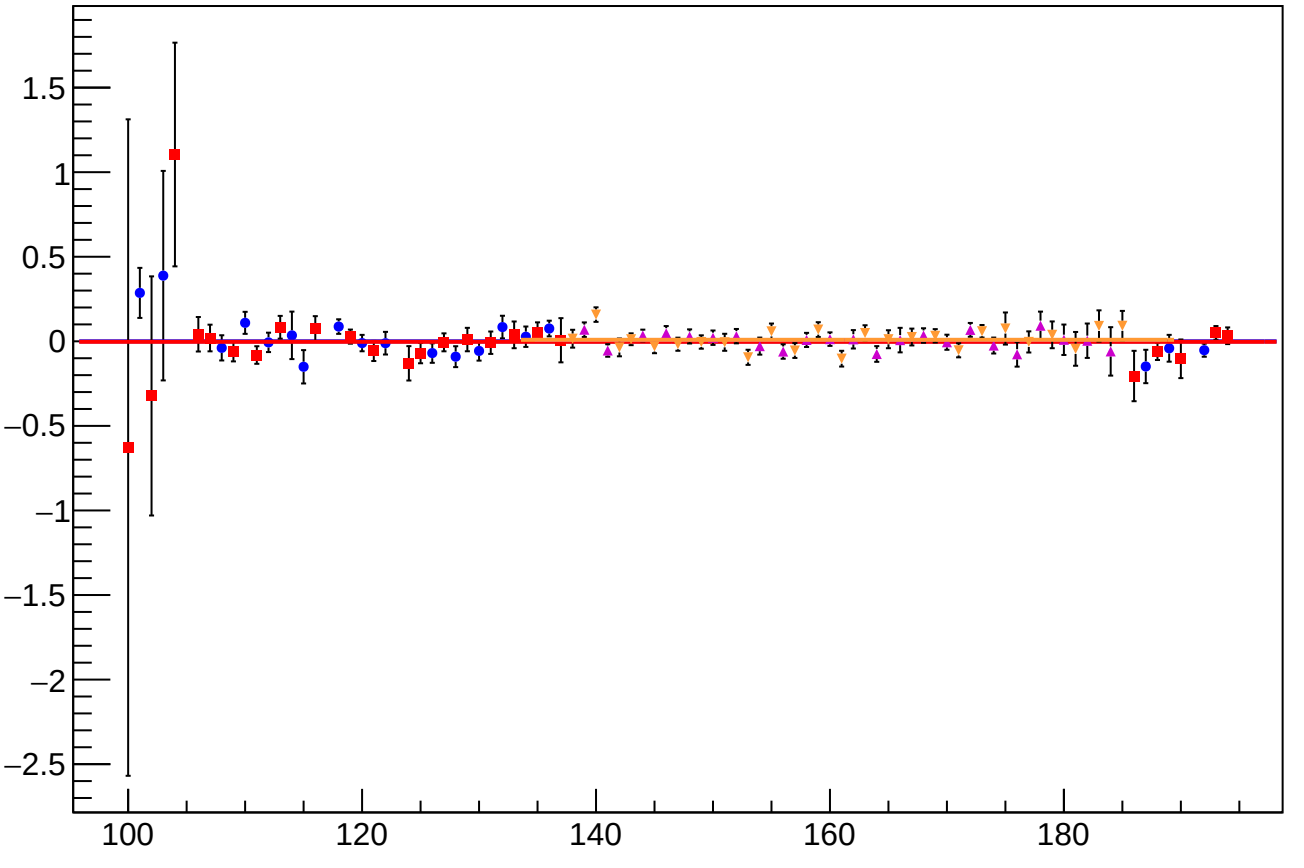
Right Out: 0.002+/-0.000 χ^2/NDF: 4604215.2/23

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 7389010.3/43

All: 0.002+/-0.000 χ^2/NDF: 16761590.4/90

- sign 0.002+/-0.000 χ^2/NDF: 9322330.1/46



Right In: 0.000+/-0.014 χ^2/NDF: 27.2/18

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.014 χ^2/NDF: 21.0/23

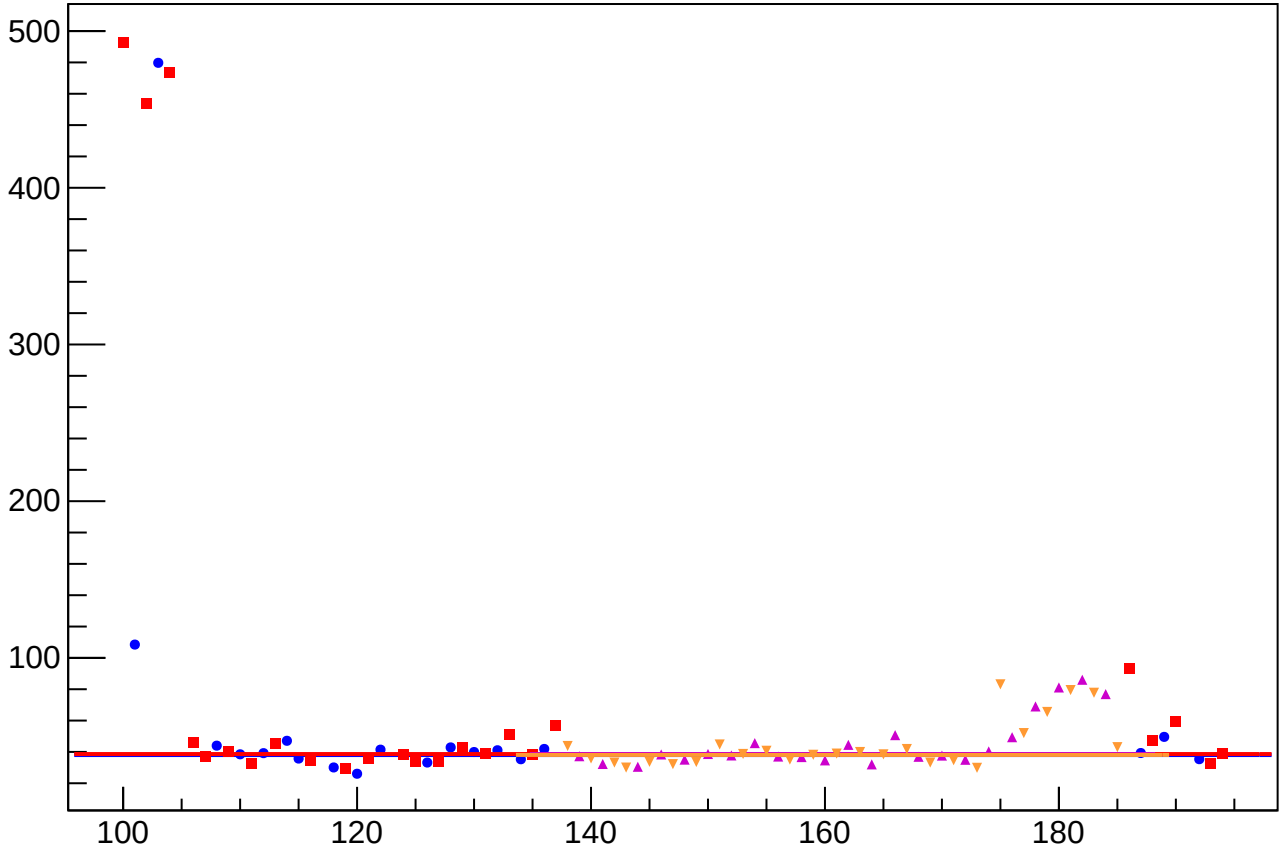
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 66.1/43

All: 0.005+/-0.006 χ^2/NDF: 106.4/90

- sign 0.004+/-0.008 χ^2/NDF: 40.3/46

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

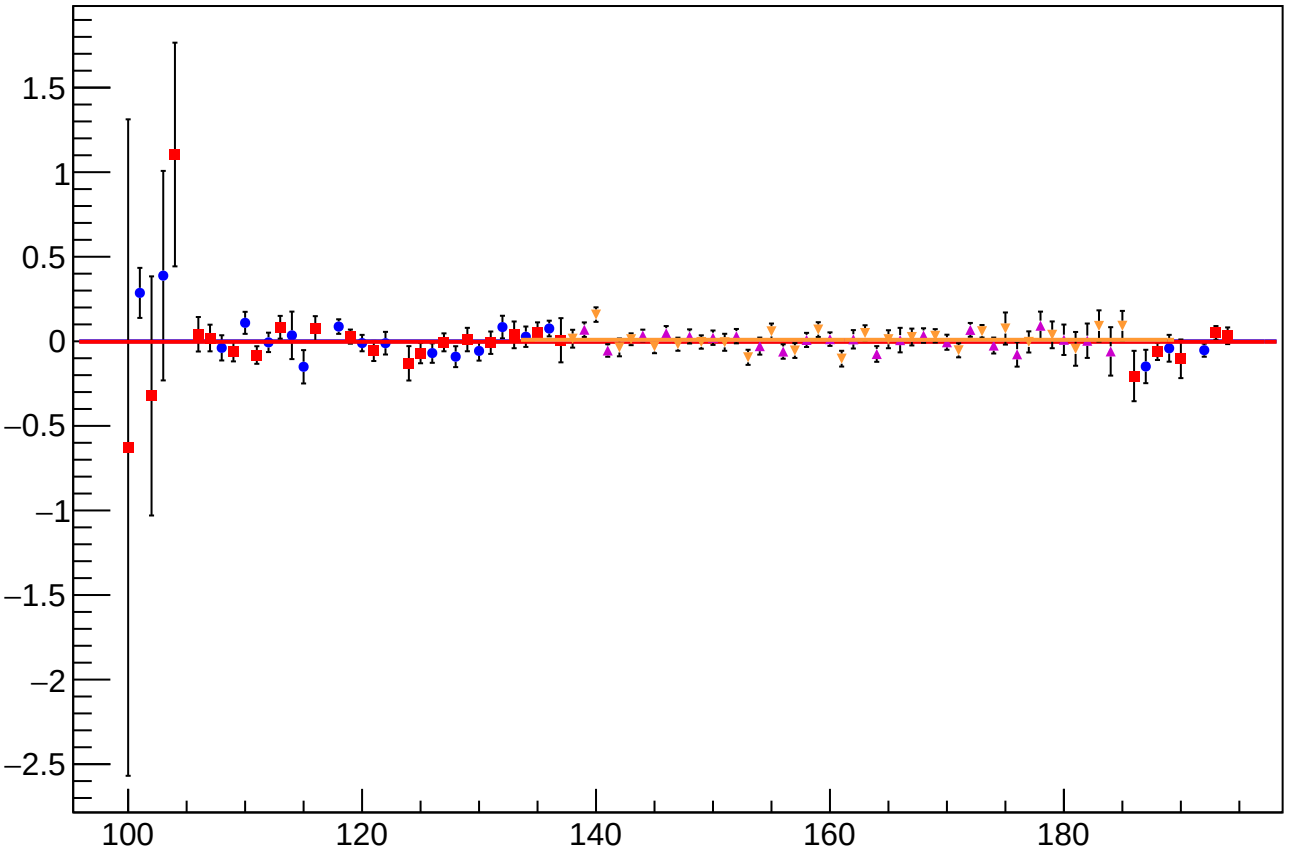
Right Out: 38.639+/-0.010 χ^2/NDF: 2391389.2/23

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 38.046+/-0.006 χ^2/NDF: 3759196.6/43

All: 38.338+/-0.004 χ^2/NDF: 7883682.8/90

\- sign 38.633+/-0.006 χ^2/NDF: 4119088.9/46



Right In: 0.000+/-0.014 χ^2/NDF: 27.2/18

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

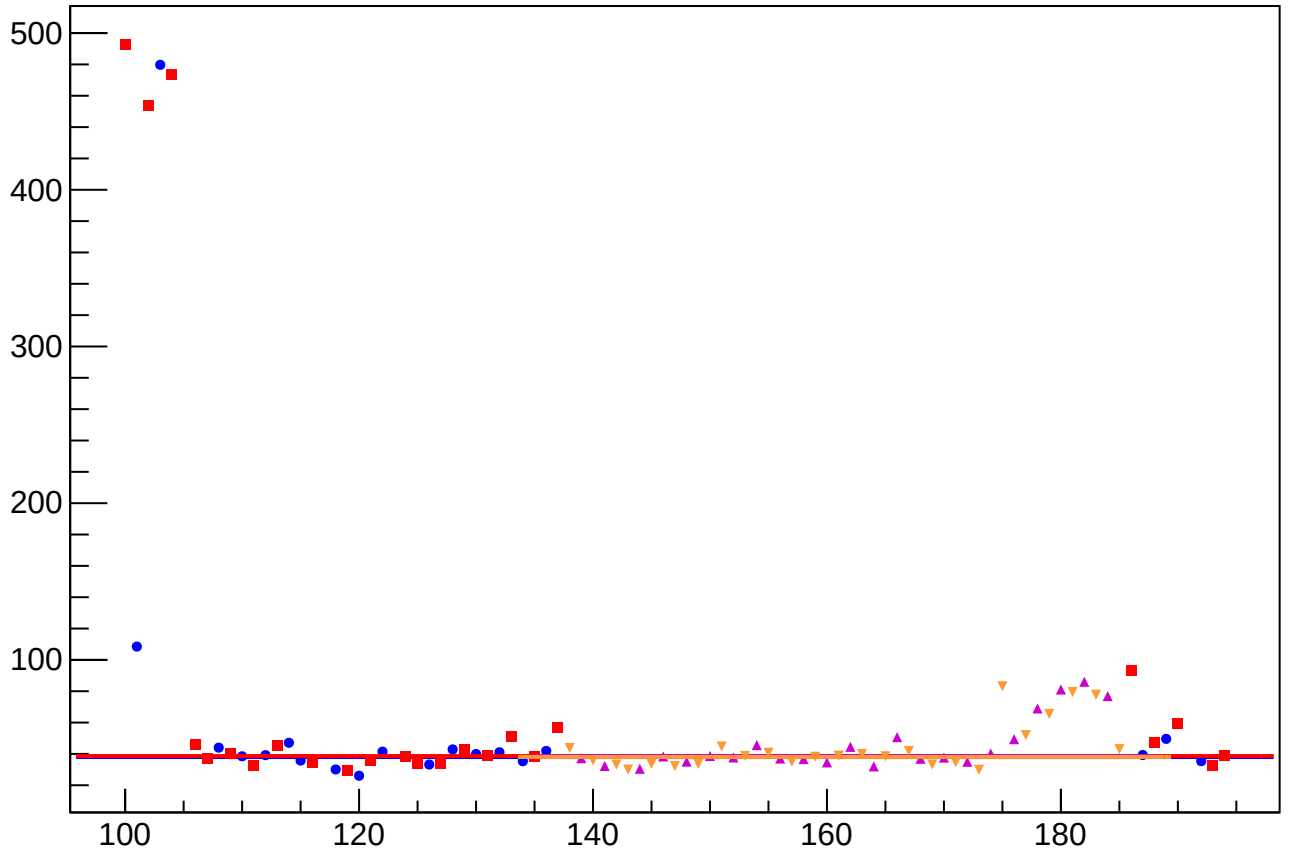
Right Out: -0.003+/-0.014 χ^2/NDF: 21.0/23

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.008 χ^2/NDF: 66.1/43

All: 0.005+/-0.006 χ^2/NDF: 106.4/90

- sign 0.004+/-0.008 χ^2/NDF: 40.3/46



Right In: 37.999+/-0.010 χ^2/NDF: 1792054.4/18

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

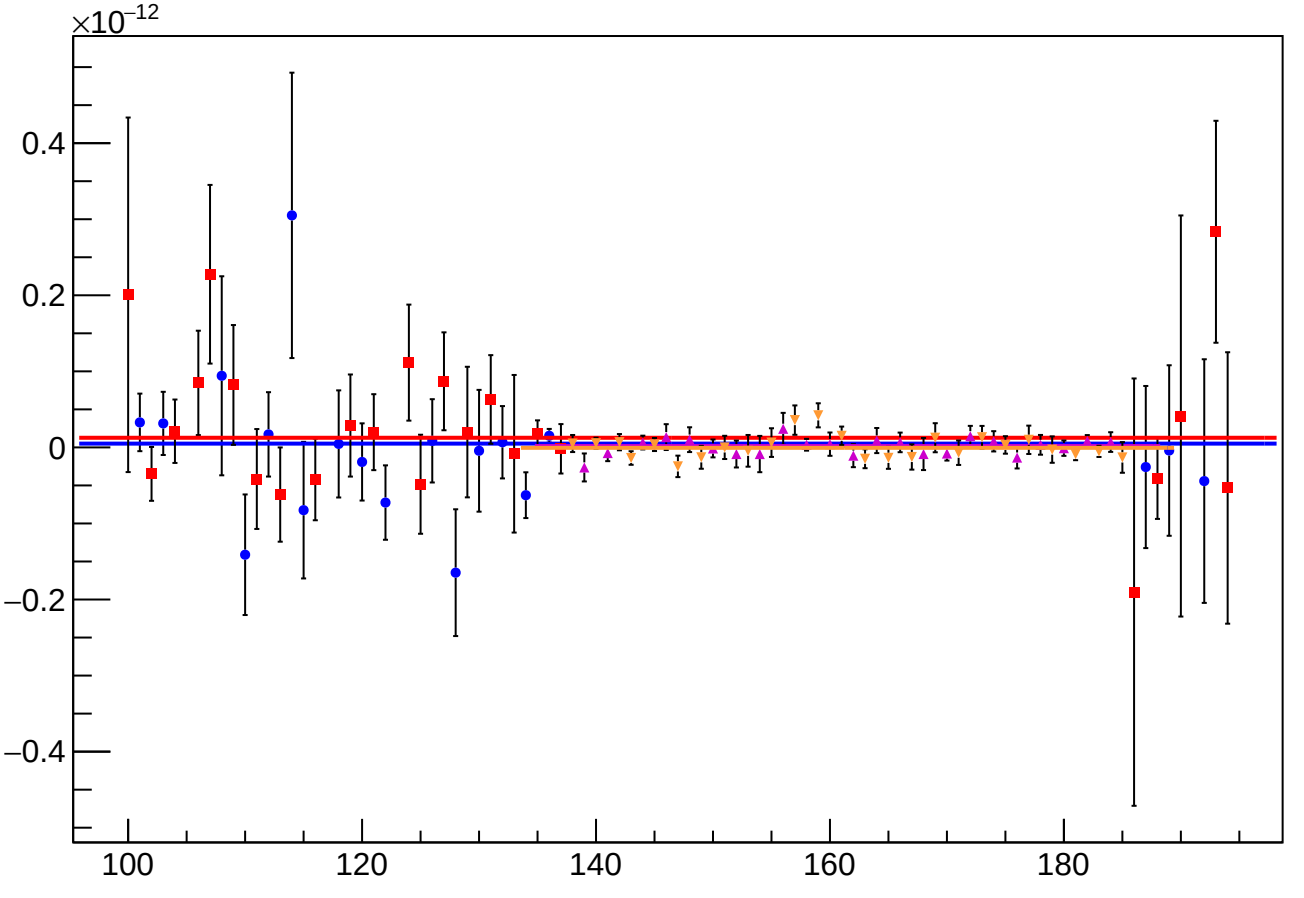
Right Out: 38.639+/-0.010 χ^2/NDF: 2391389.2/23

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 38.046+/-0.006 χ^2/NDF: 3759196.6/43

All: 38.338+/-0.004 χ^2/NDF: 7883682.8/90

\- sign 38.633+/-0.006 χ^2/NDF: 4119088.9/46



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

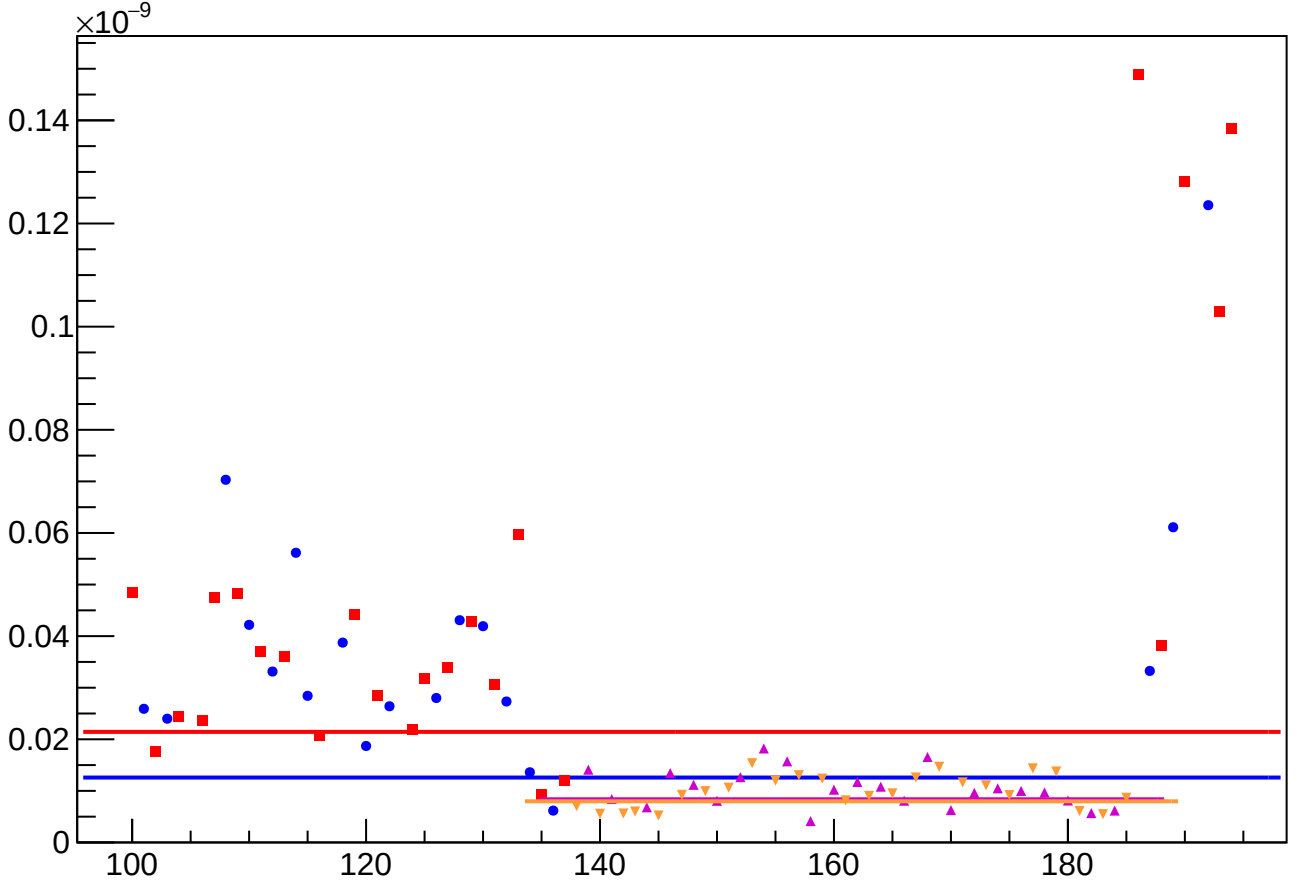
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/23

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.3/43

All: 0.000+/-0.000 χ^2/NDF: 83.6/90

- sign 0.000+/-0.000 χ^2/NDF: 33.8/46



Right In: 0.000+/-0.000 χ^2/NDF: 5290671.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5102249.8/23

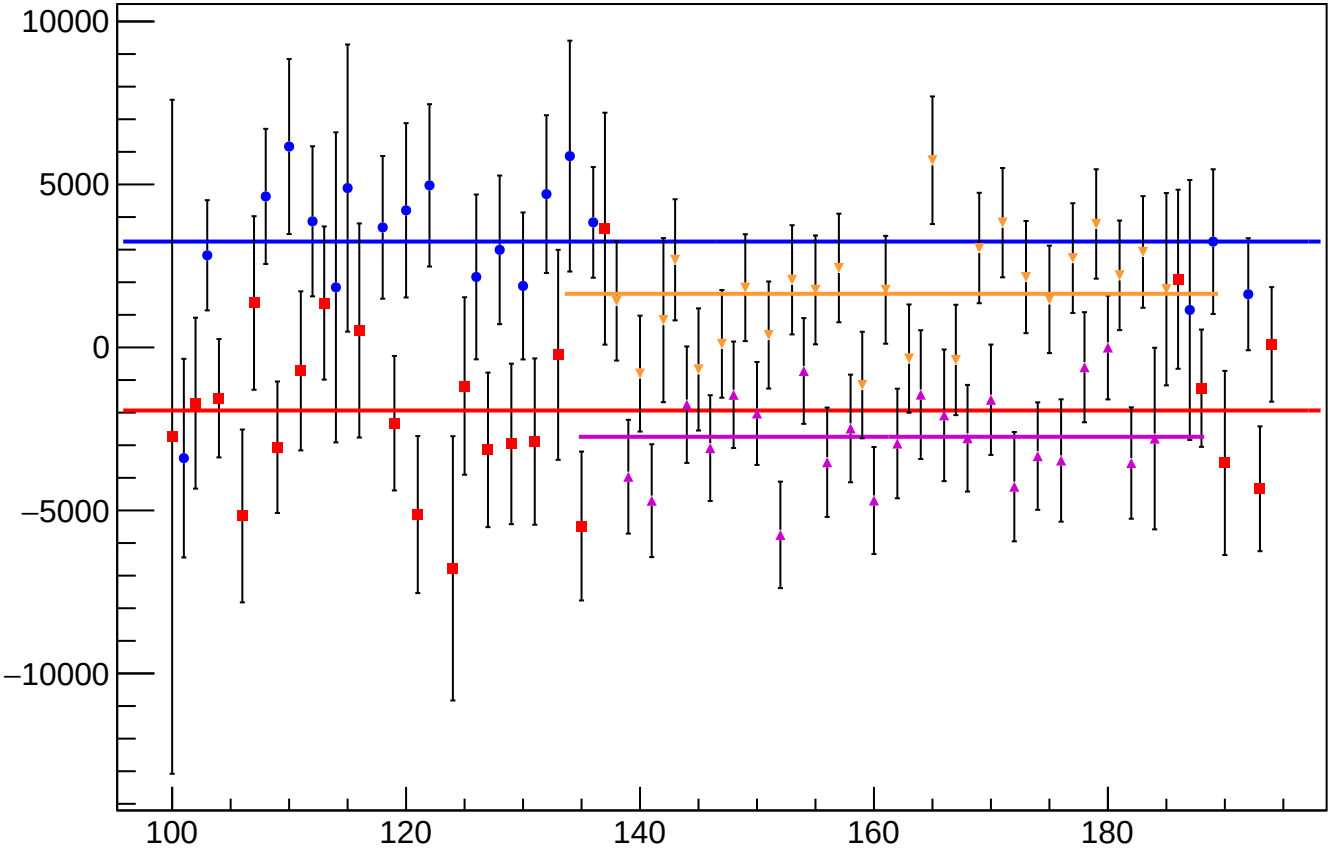
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8803491.3/43

All: 0.000+/-0.000 χ^2/NDF: 19814065.4/90

- sign 0.000+/-0.000 χ^2/NDF: 10916338.4/46

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3248.624+/-544.622 χ^2/NDF: 10.1/18

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1933.631+/-496.312 χ^2/NDF: 20.7/23

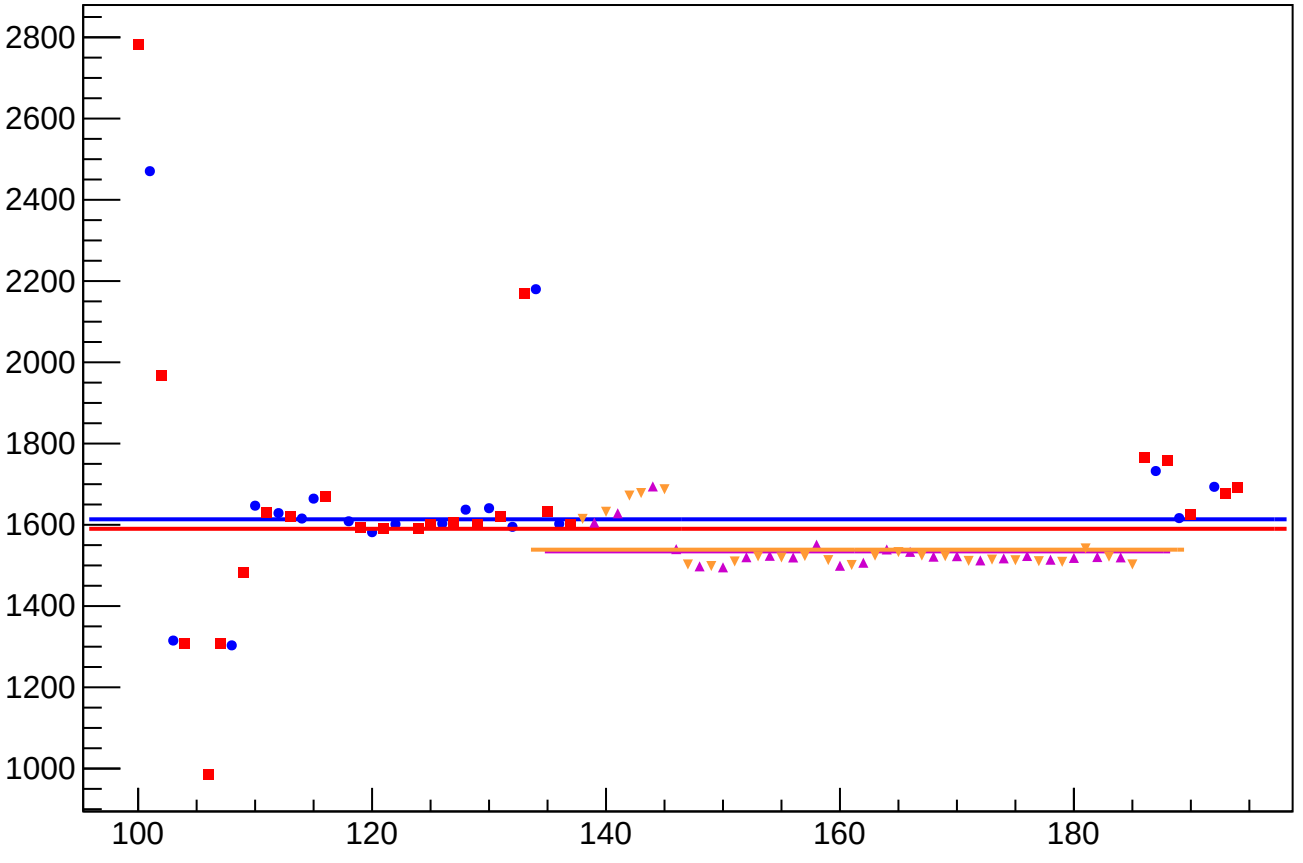
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2114.248+/-294.297 χ^2/NDF: 37.3/43

All: -203.964+/-206.777 χ^2/NDF: 198.7/90

- sign -2464.174+/-290.592 χ^2/NDF: 38.9/46

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: 1590.186+/-0.347 χ^2/NDF: 425090.4/23

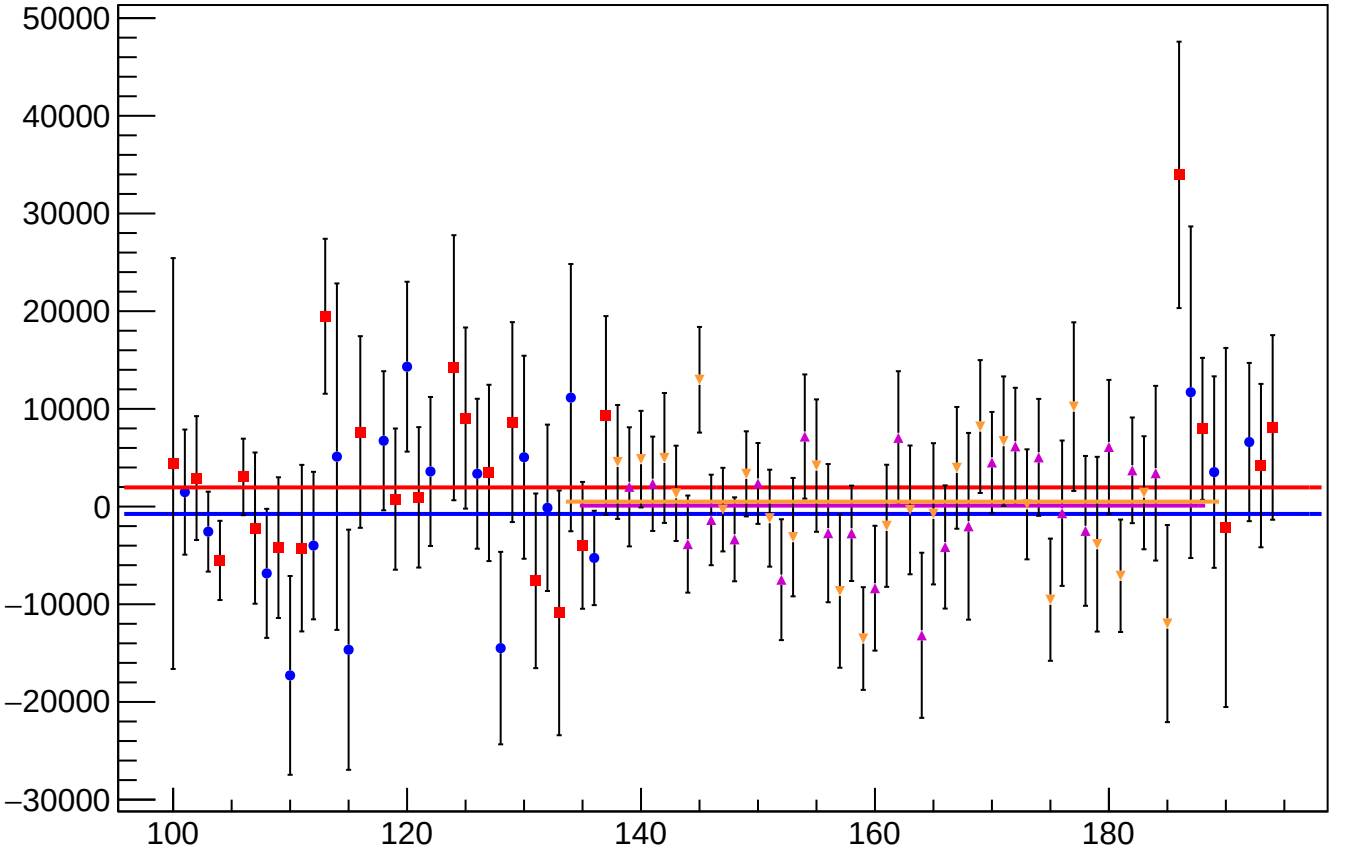
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1560.643+/-0.208 χ^2/NDF: 398162.4/43

All: 1557.249+/-0.146 χ^2/NDF: 871637.0/90

- sign 1553.968+/-0.205 χ^2/NDF: 472951.4/46

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: 1960.736+/-1558.628 χ^2/NDF: 22.5/23

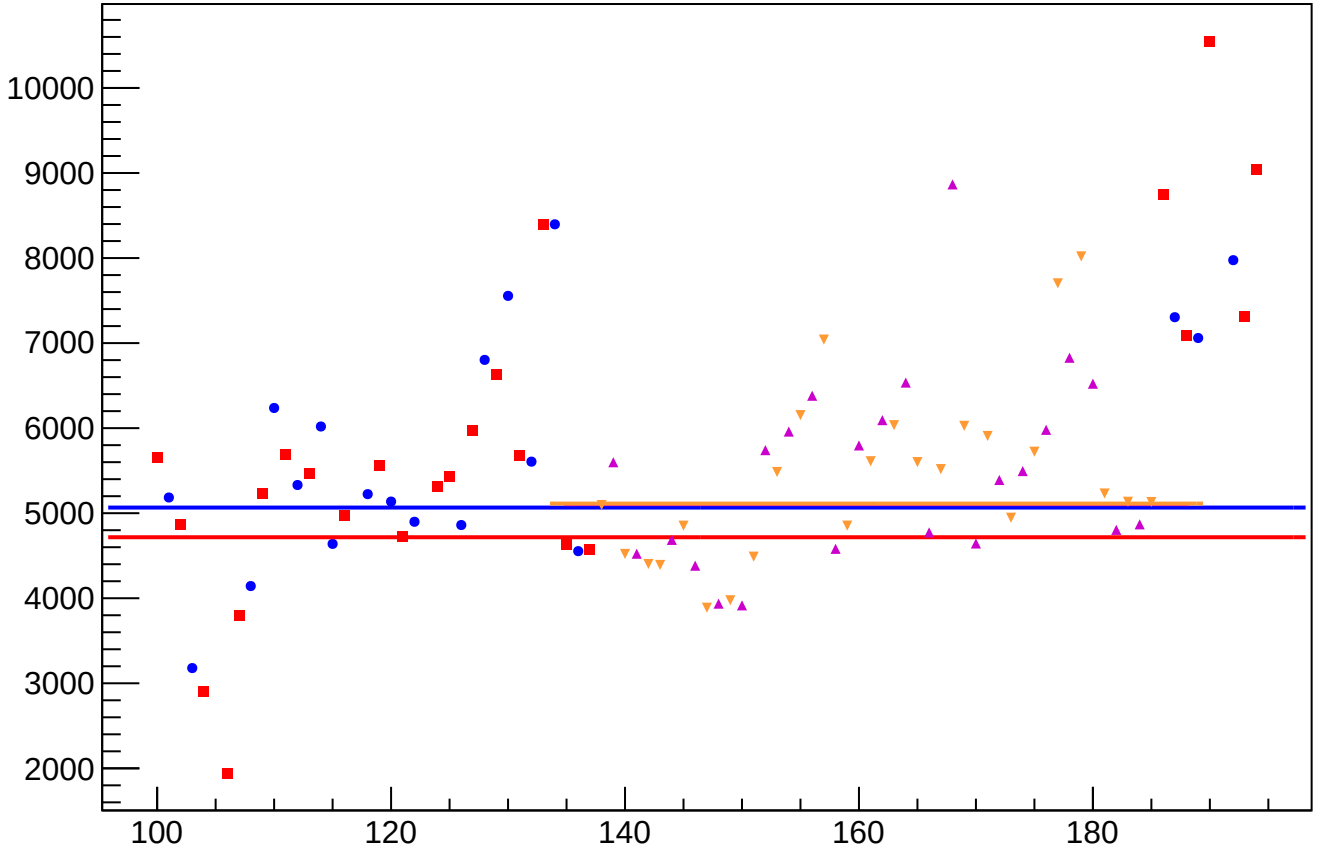
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

+ sign 111.276+/-984.747 χ^2/NDF: 42.7/43

All: 466.569+/-687.226 χ^2/NDF: 81.2/90

- sign 803.887+/-959.514 χ^2/NDF: 38.2/46

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 5066.214+/-1.246 χ^2/NDF: 1207135.8/18

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 4717.255+/-1.102 χ^2/NDF: 3041976.0/23

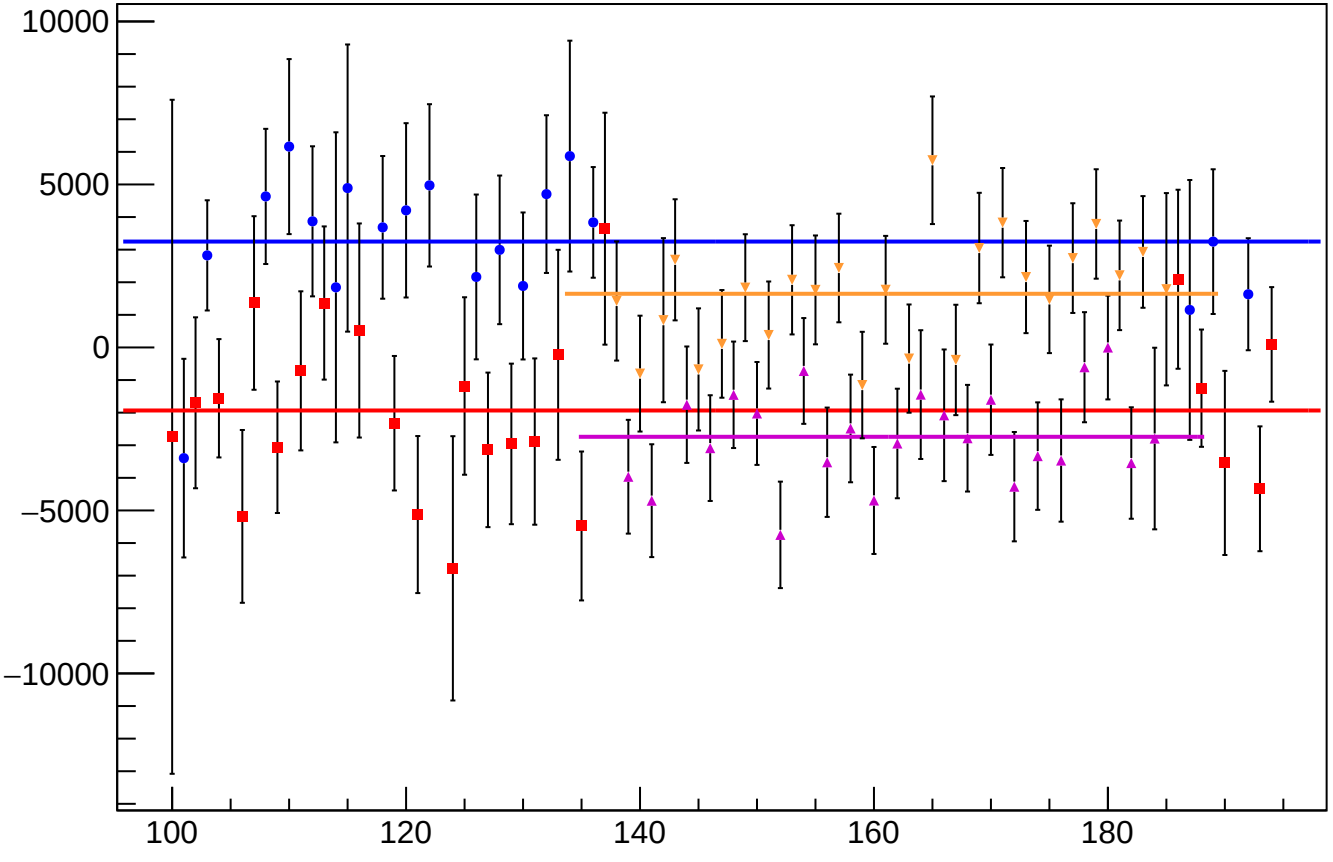
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5098.366+/-0.696 χ^2/NDF: 2367113.5/43

All: 5026.830+/-0.486 χ^2/NDF: 6758704.4/90

- sign 4958.912+/-0.678 χ^2/NDF: 4371016.0/46

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3248.368+/-544.622 χ^2/NDF: 10.1/18

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1933.620+/-496.314 χ^2/NDF: 20.7/23

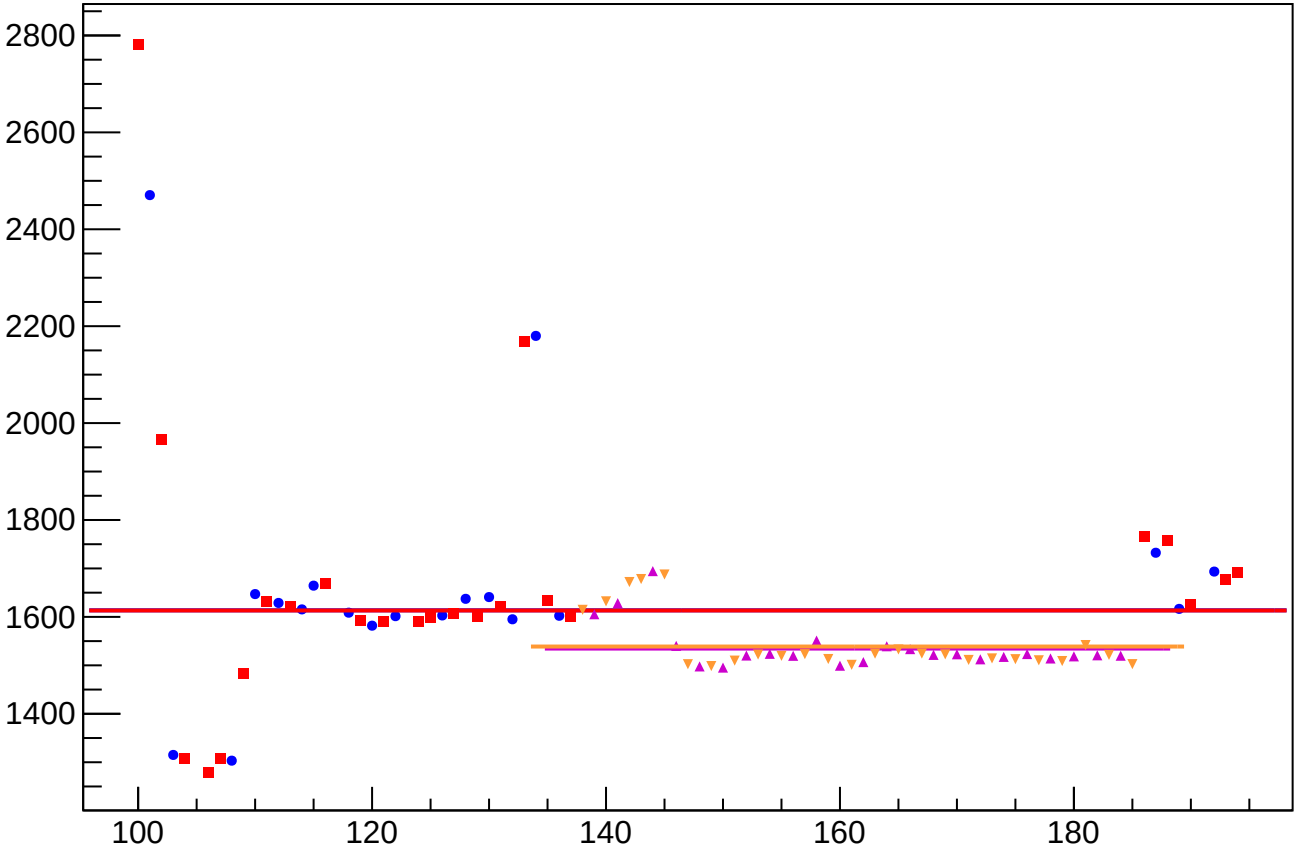
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2114.097+/-294.297 χ^2/NDF: 37.3/43

All: -204.002+/-206.777 χ^2/NDF: 198.7/90

- sign -2464.107+/-290.592 χ^2/NDF: 38.9/46

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: 1613.262+/-0.350 χ^2/NDF: 276803.9/23

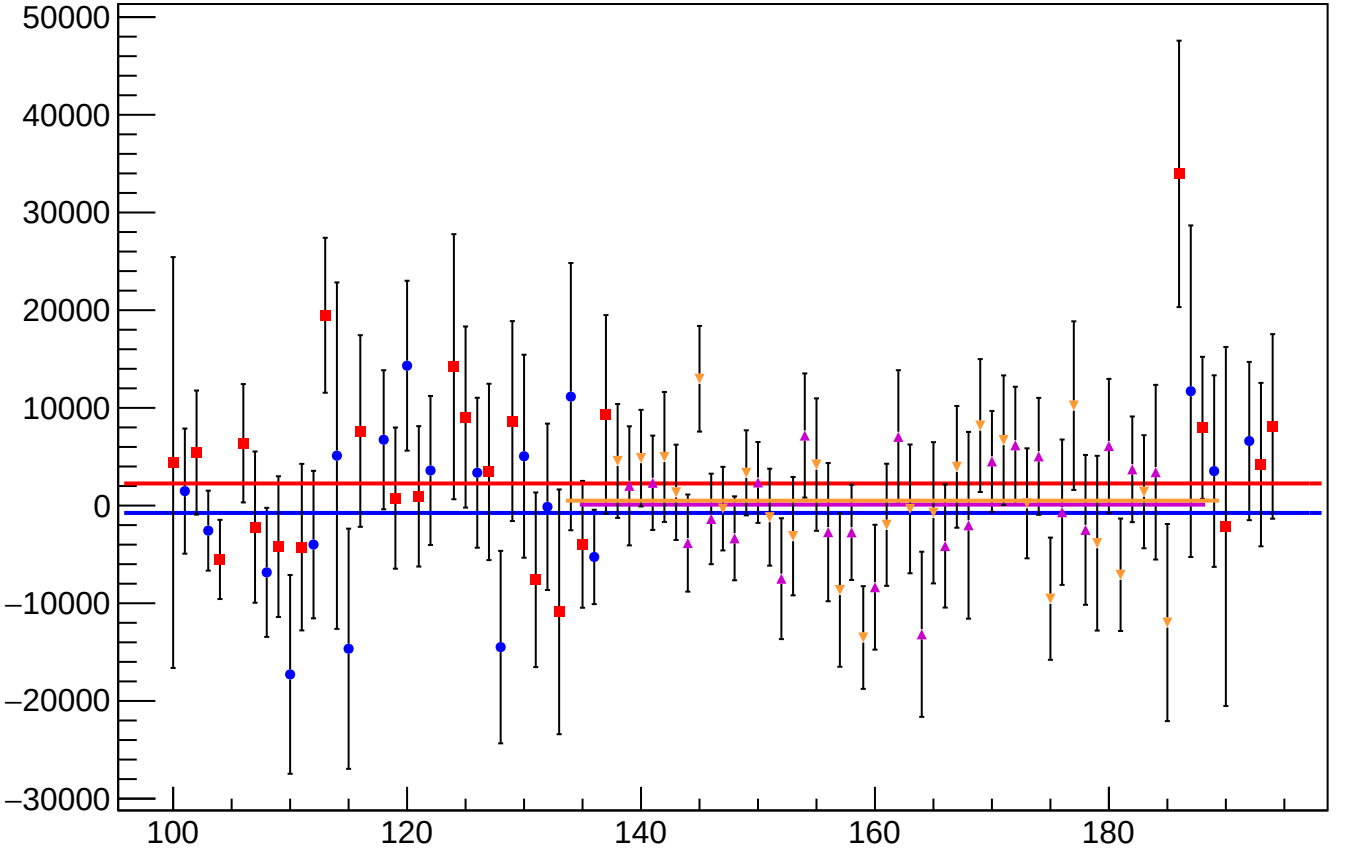
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1560.643+/-0.208 χ^2/NDF: 398161.7/43

All: 1561.167+/-0.146 χ^2/NDF: 739226.0/90

- sign 1561.676+/-0.205 χ^2/NDF: 341051.9/46

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -754.175+/-1762.729 χ^2/NDF: 15.5/18

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2262.313+/-1635.990 χ^2/NDF: 23.2/23

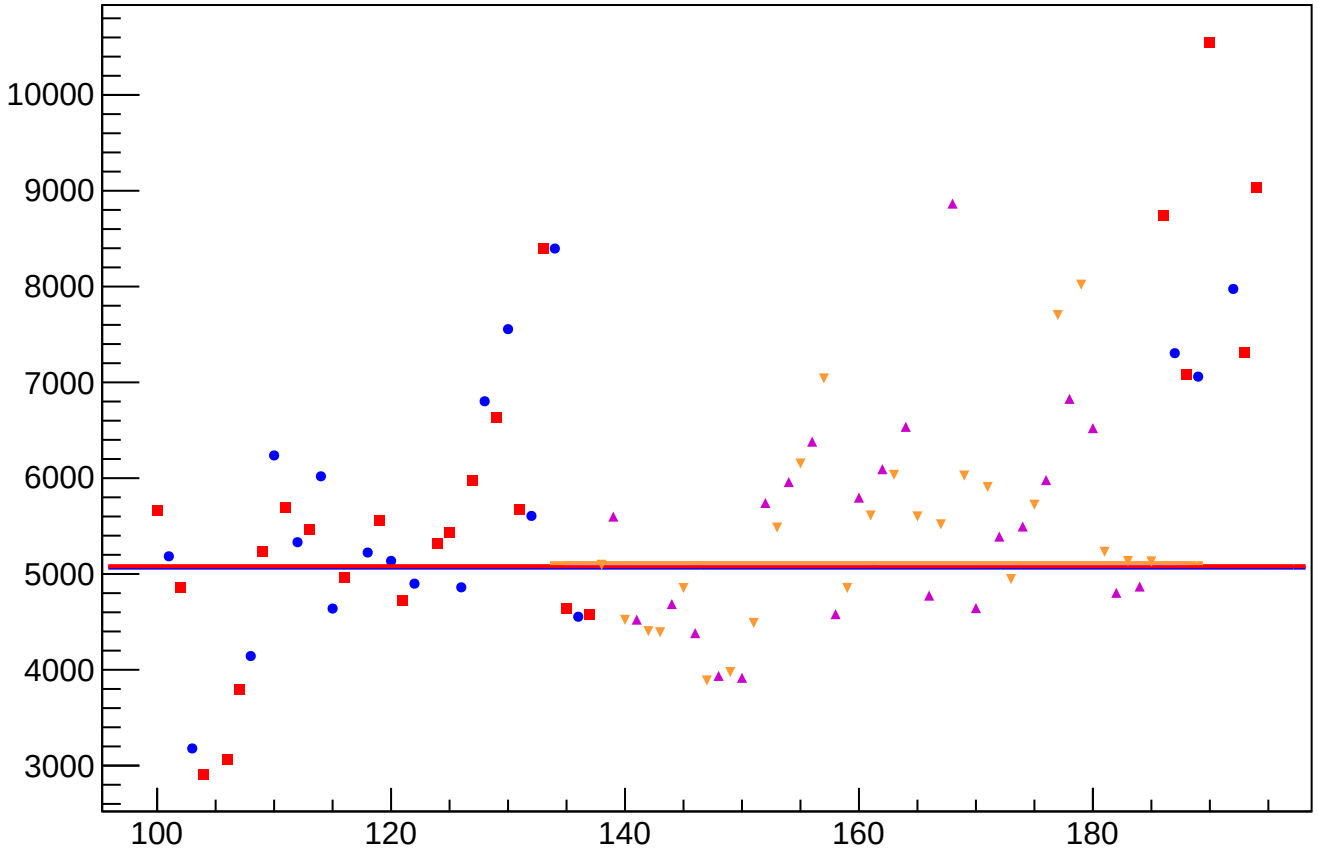
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign 111.230+/-984.751 χ^2/NDF: 42.7/43

All: 493.429+/-693.481 χ^2/NDF: 82.2/90

\- sign 869.448+/-976.757 χ^2/NDF: 39.2/46

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 5066.348+/-1.246 χ^2/NDF: 1206897.3/18

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5081.549+/-1.157 χ^2/NDF: 2084753.8/23

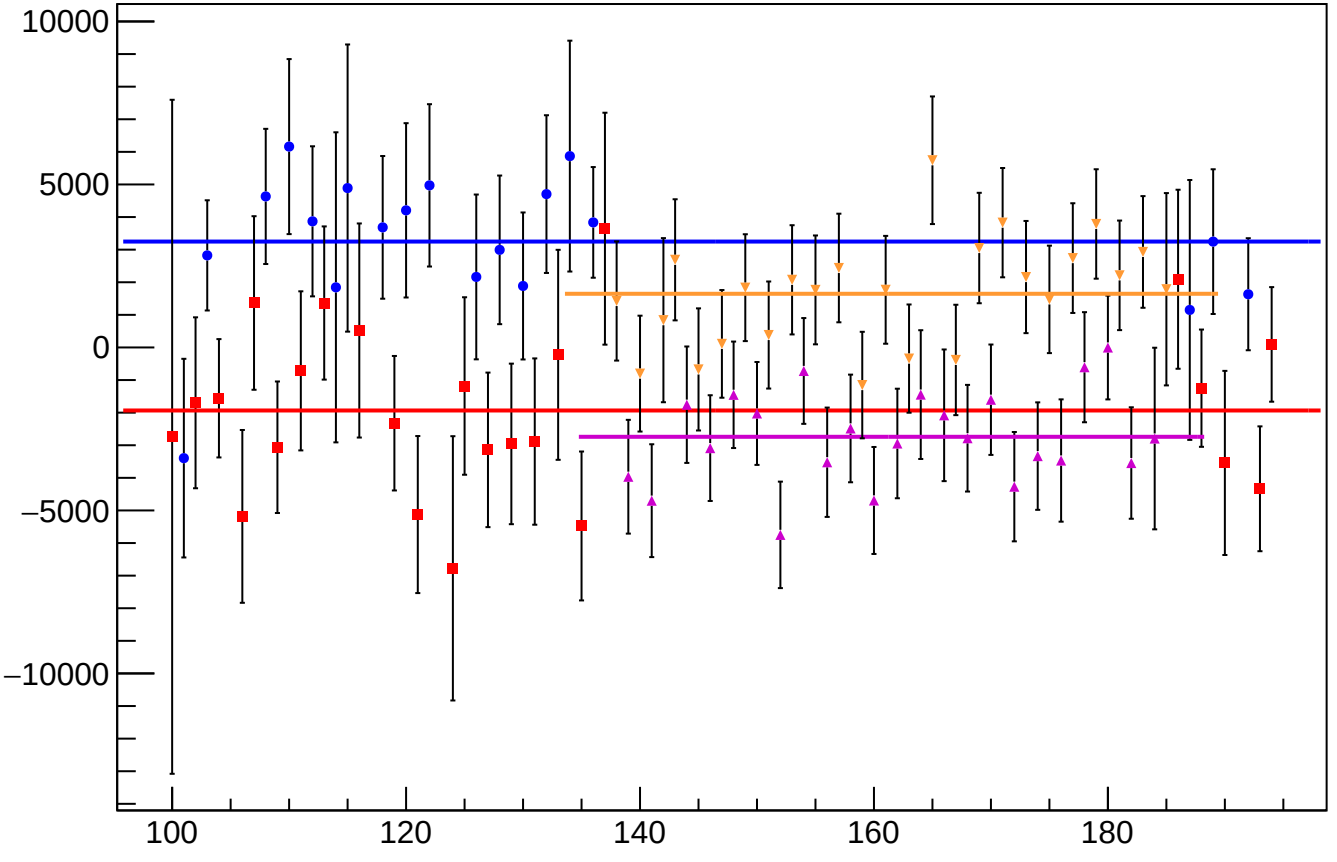
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5098.403+/-0.696 χ^2/NDF: 2366882.1/43

All: 5097.964+/-0.490 χ^2/NDF: 5703556.2/90

- sign 5097.531+/-0.691 χ^2/NDF: 3336673.3/46

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3248.368+/-544.622 χ^2/NDF: 10.1/18

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1933.620+/-496.314 χ^2/NDF: 20.7/23

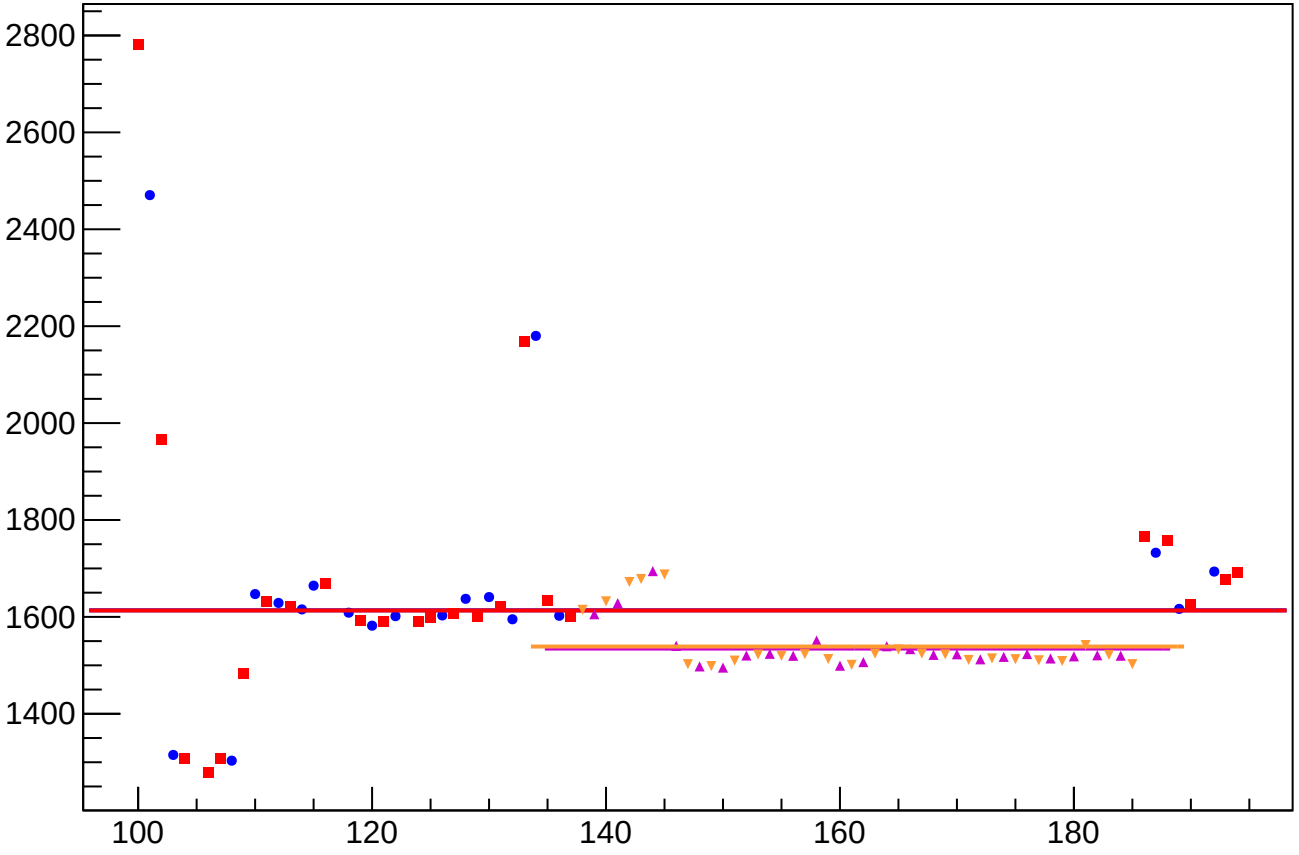
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2114.097+/-294.297 χ^2/NDF: 37.3/43

All: -204.002+/-206.777 χ^2/NDF: 198.7/90

- sign -2464.107+/-290.592 χ^2/NDF: 38.9/46

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

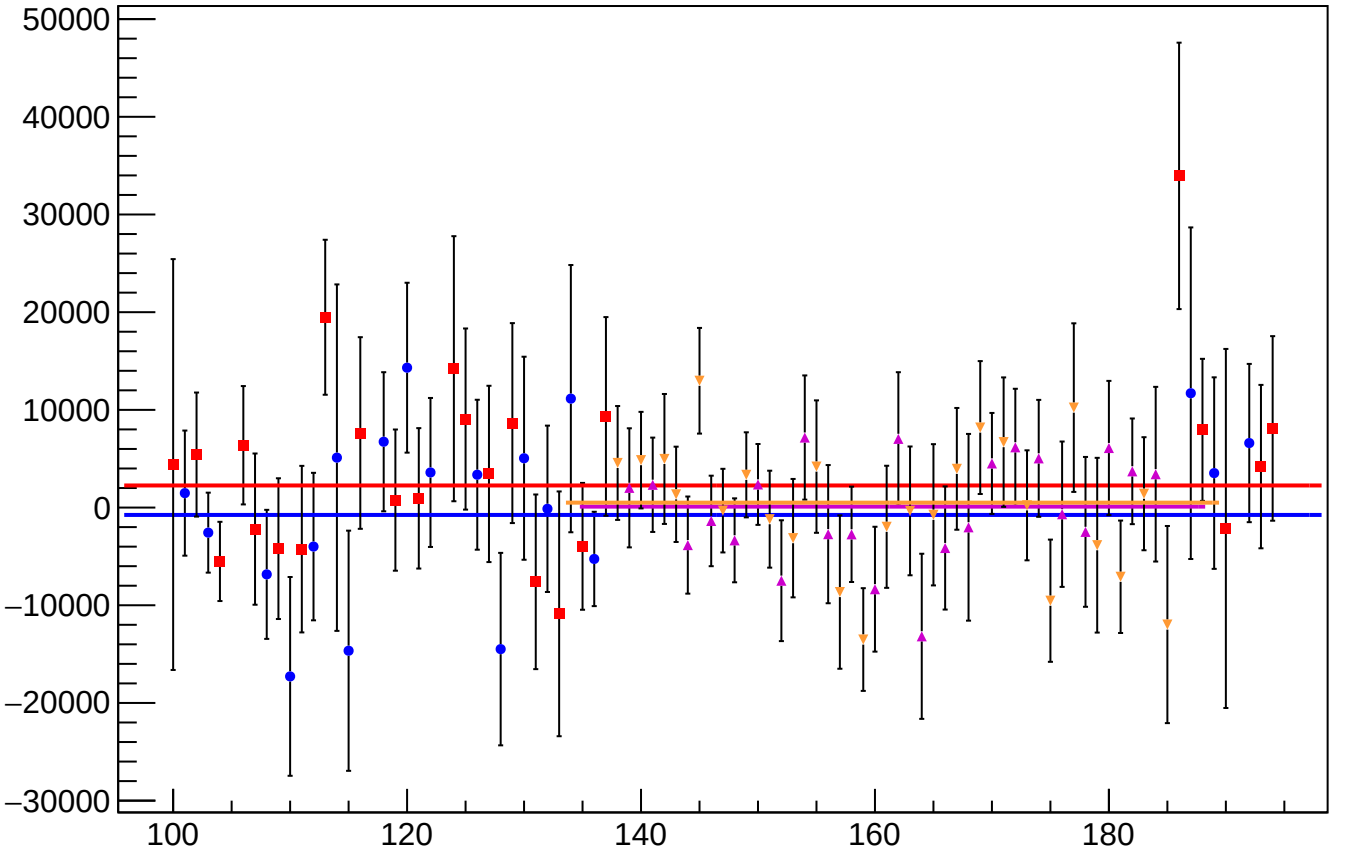
Right Out: 1613.262+/-0.350 χ^2/NDF: 276803.9/23

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1560.643+/-0.208 χ^2/NDF: 398161.7/43

All: 1561.167+/-0.146 χ^2/NDF: 739226.0/90

- sign 1561.676+/-0.205 χ^2/NDF: 341051.9/46



Right In: -754.175+/-1762.729 χ^2/NDF: 15.5/18

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

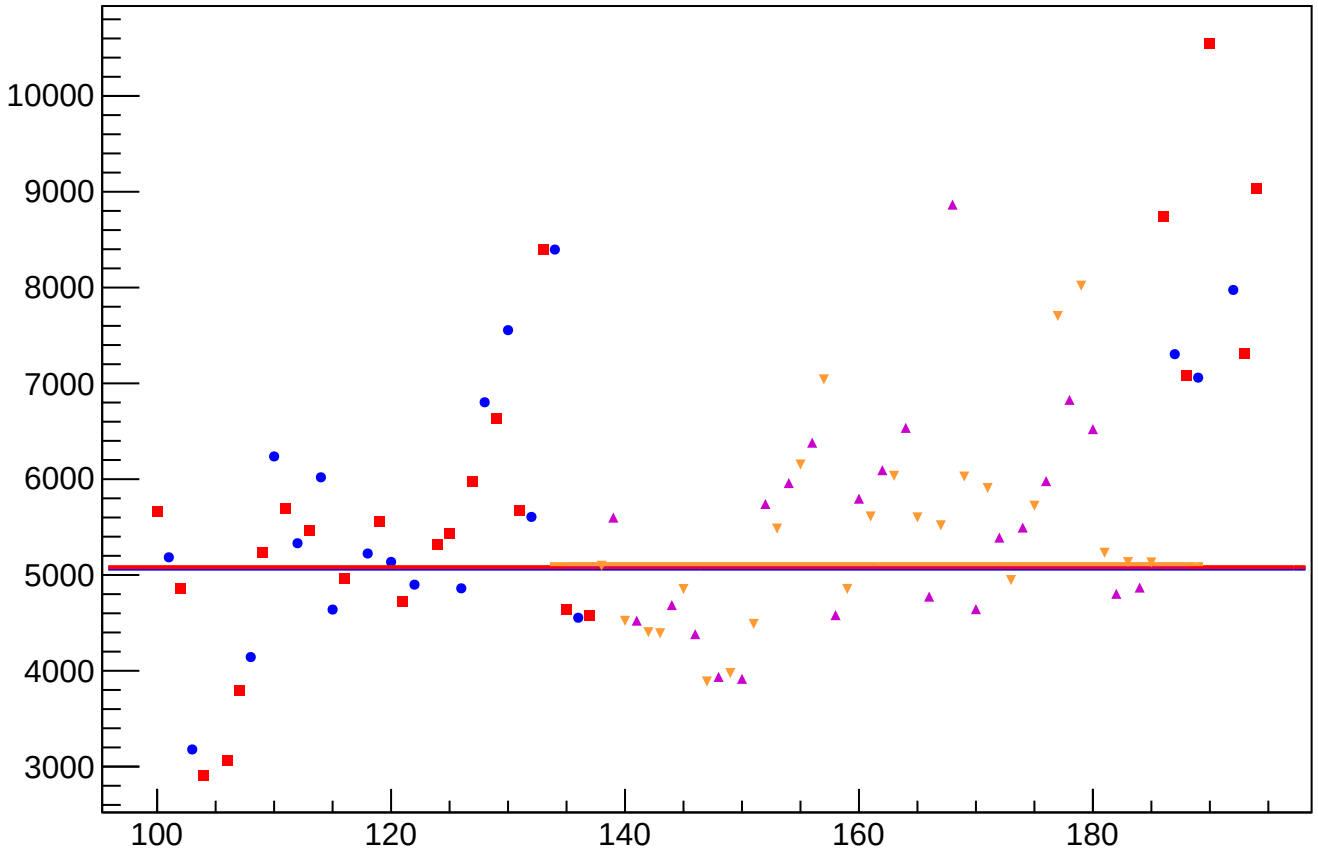
Right Out: 2262.313+/-1635.990 χ^2/NDF: 23.2/23

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 111.230+/-984.751 χ^2/NDF: 42.7/43

All: 493.429+/-693.481 χ^2/NDF: 82.2/90

- sign 869.448+/-976.757 χ^2/NDF: 39.2/46



Right In: 5066.348+/-1.246 χ^2/NDF: 1206897.3/18

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5081.549+/-1.157 χ^2/NDF: 2084753.8/23

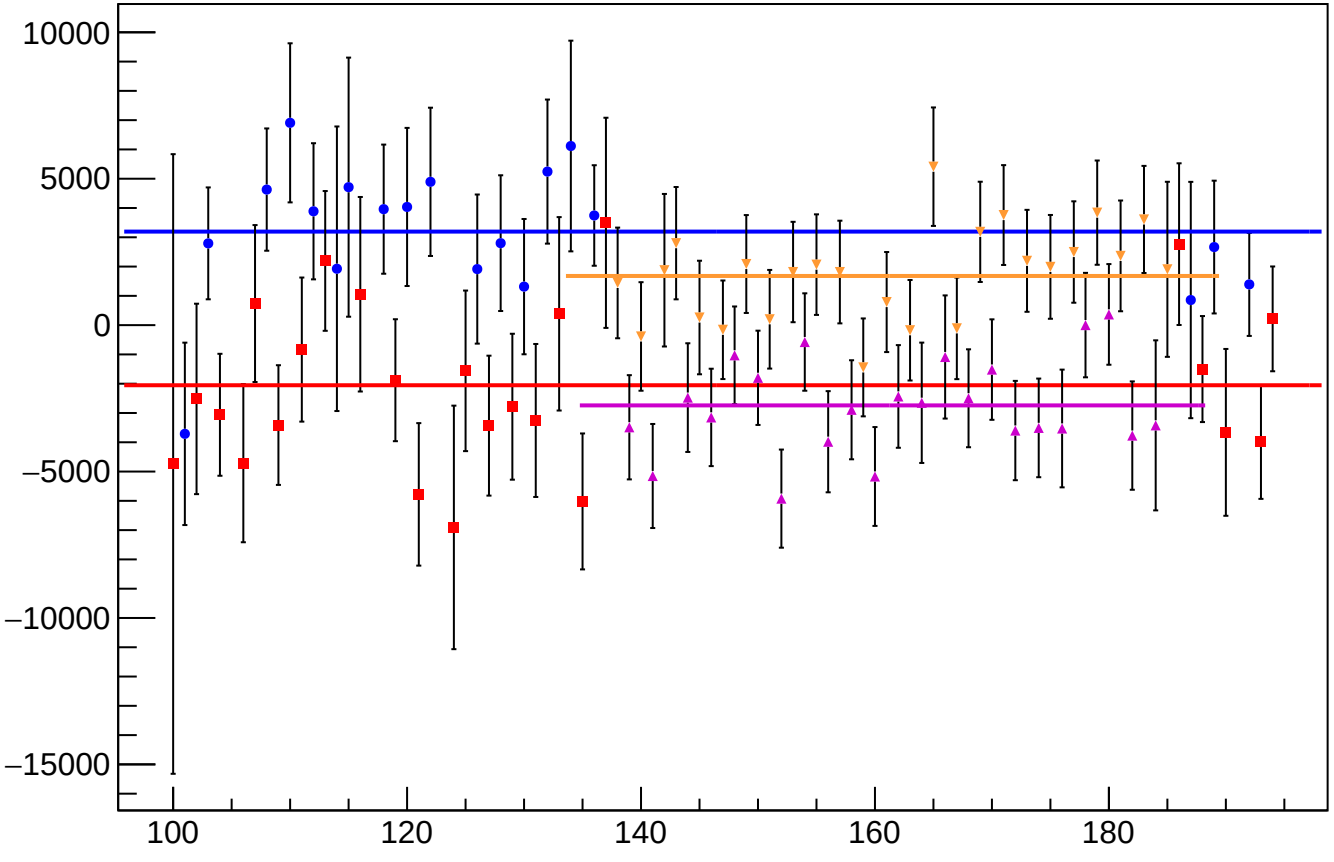
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5098.403+/-0.696 χ^2/NDF: 2366882.1/43

All: 5097.964+/-0.490 χ^2/NDF: 5703556.2/90

- sign 5097.531+/-0.691 χ^2/NDF: 3336673.3/46

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: -2052.518+/-509.892 χ^2/NDF: 23.4/23

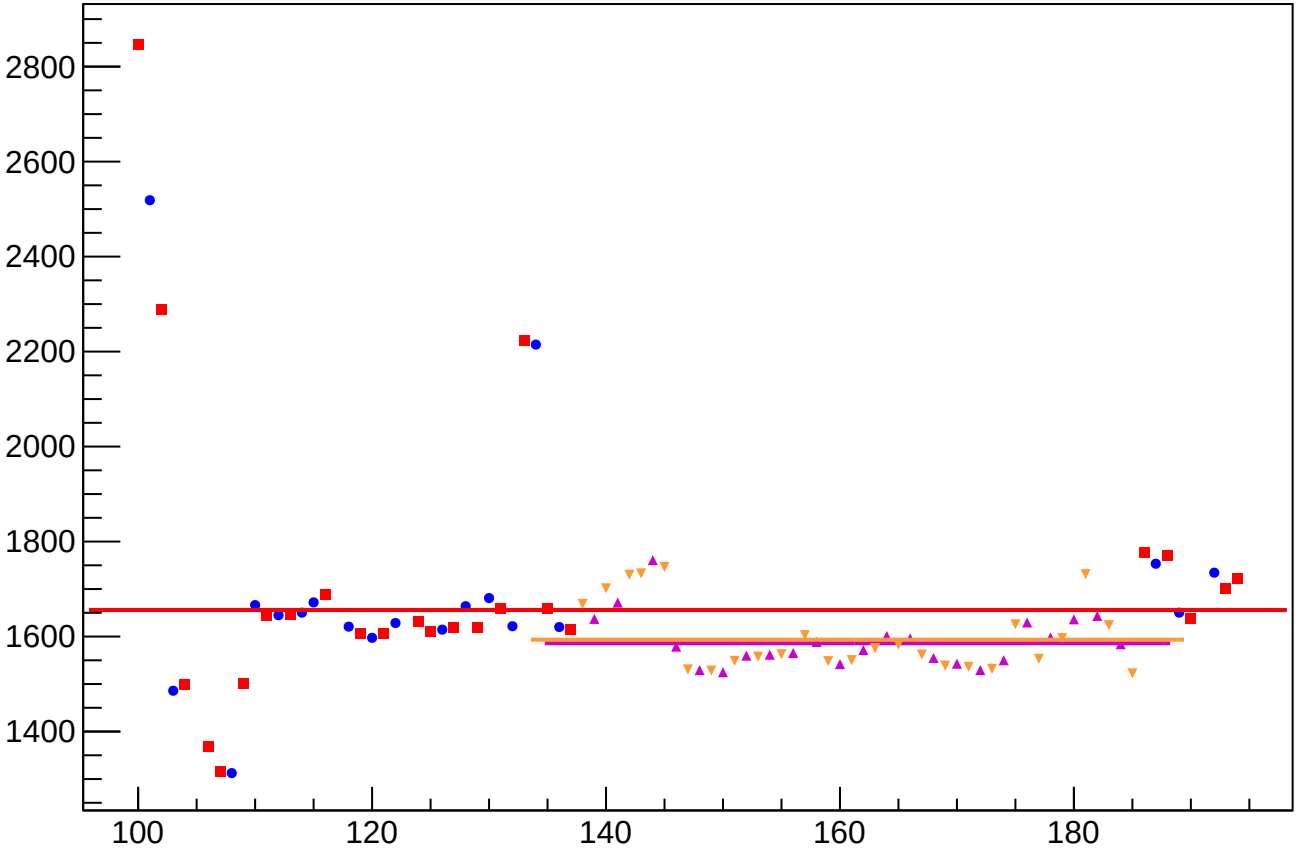
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2128.321+/-303.973 χ^2/NDF: 36.2/43

All: -219.364+/-213.445 χ^2/NDF: 197.7/90

- sign -2502.794+/-299.784 χ^2/NDF: 43.8/46

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: 1656.003+/-0.360 χ^2/NDF: 258021.5/23

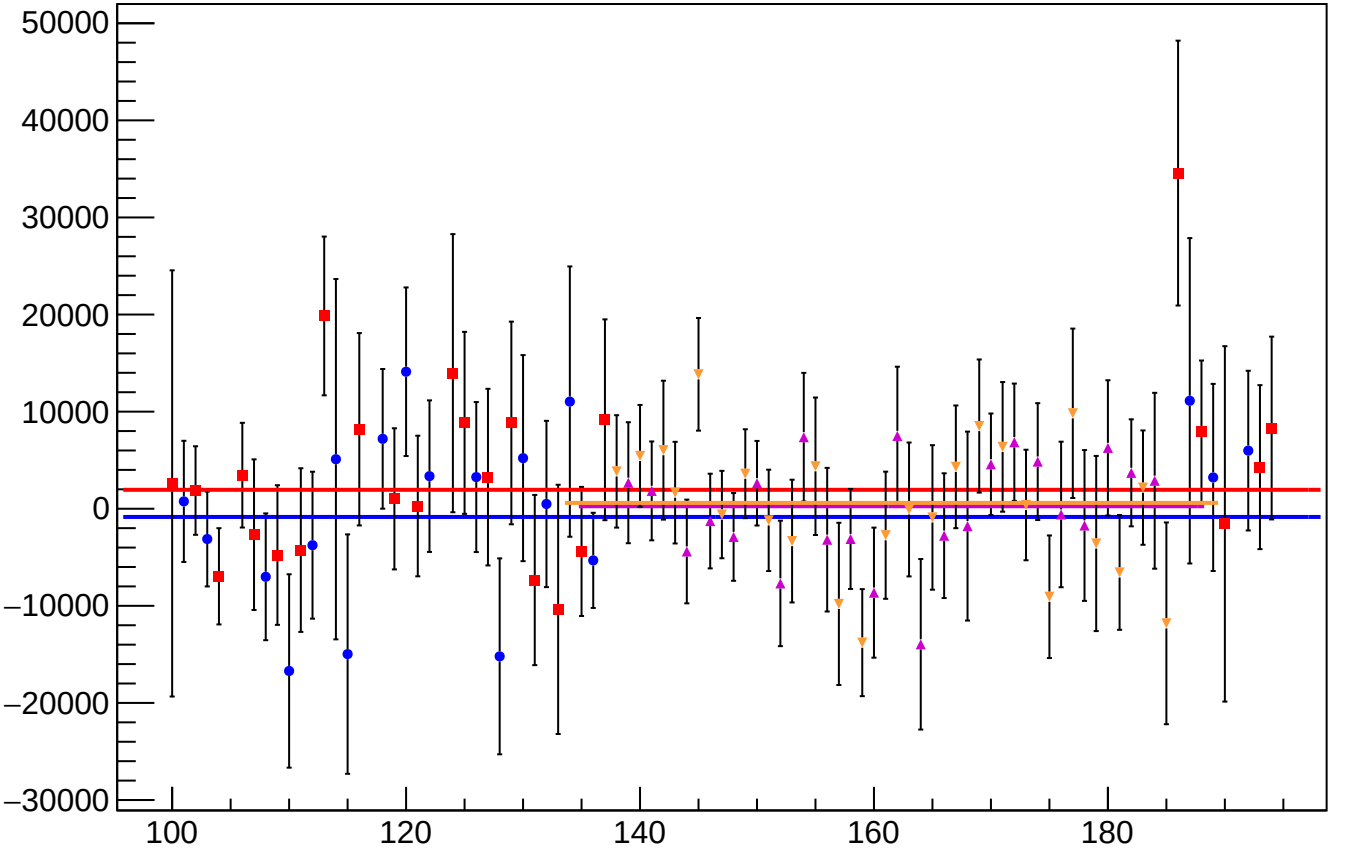
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1611.870+/-0.215 χ^2/NDF: 370124.3/43

All: 1611.005+/-0.151 χ^2/NDF: 694837.1/90

- sign 1610.164+/-0.212 χ^2/NDF: 324680.8/46

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: 1949.737+/-1623.516 χ^2/NDF: 22.4/23

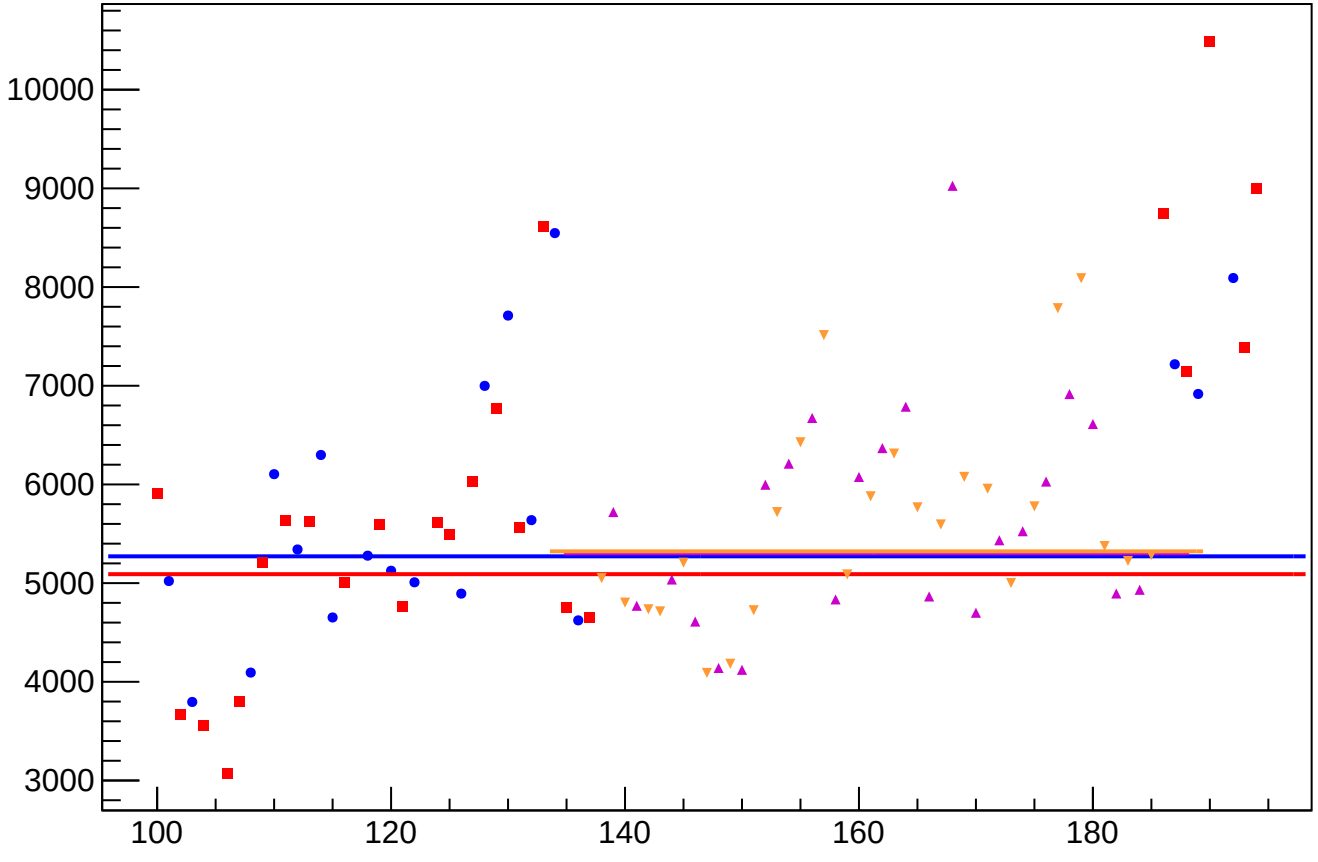
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign 145.978+/-1020.979 χ^2/NDF: 41.9/43

All: 529.134+/-713.195 χ^2/NDF: 79.9/90

\- sign 894.269+/-996.680 χ^2/NDF: 37.8/46

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: 5090.736+/-1.148 χ^2/NDF: 1969329.7/23

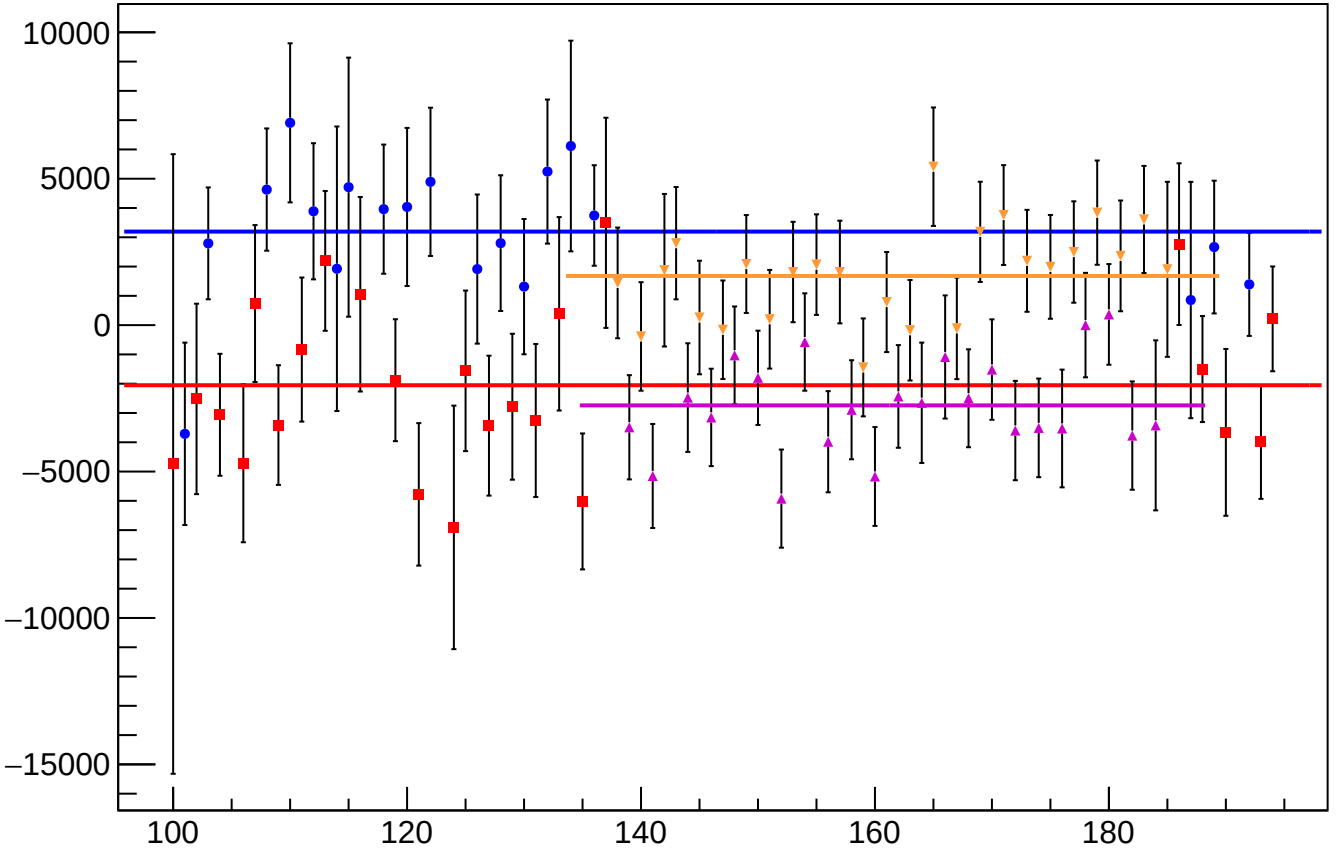
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5306.072+/-0.722 χ^2/NDF: 1956357.8/43

All: 5263.489+/-0.504 χ^2/NDF: 5106131.1/90

- sign 5222.909+/-0.705 χ^2/NDF: 3142978.8/46

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: -2052.522+/-509.892 χ^2/NDF: 23.4/23

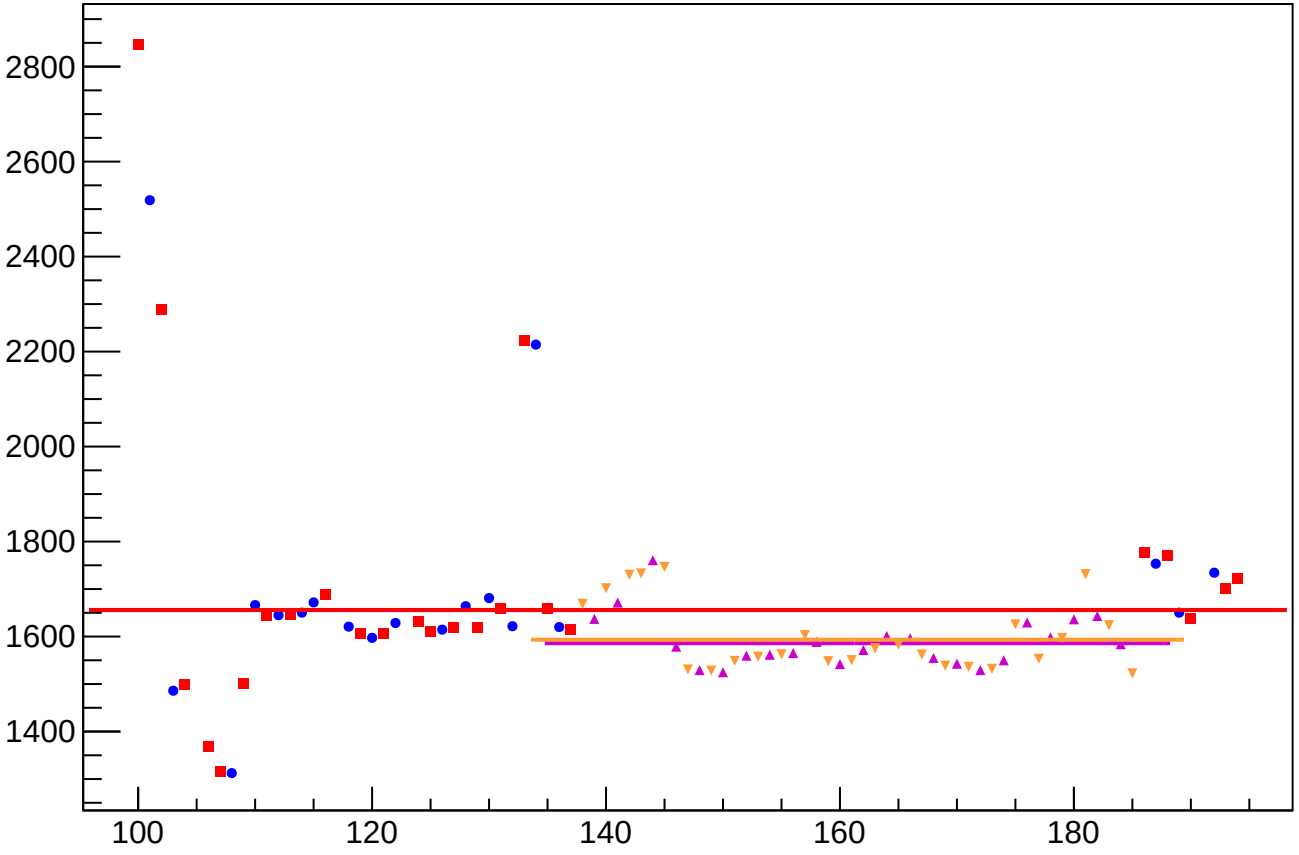
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2128.317+/-303.973 χ^2/NDF: 36.2/43

All: -219.366+/-213.445 χ^2/NDF: 197.7/90

- sign -2502.796+/-299.785 χ^2/NDF: 43.8/46

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

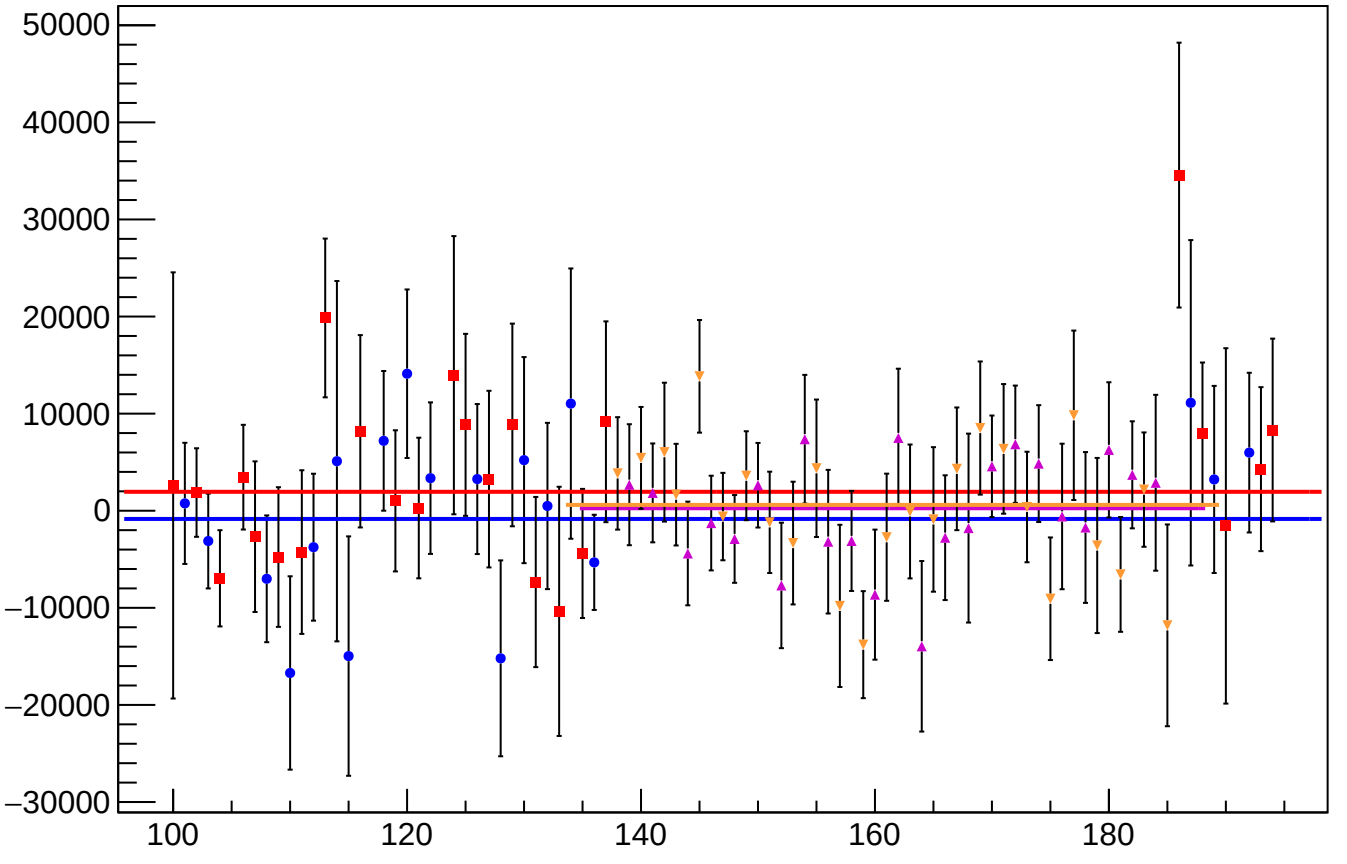
Right Out: 1656.003+/-0.360 χ^2/NDF: 258021.3/23

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

\+ sign 1611.871+/-0.215 χ^2/NDF: 370123.3/43

All: 1611.006+/-0.151 χ^2/NDF: 694834.8/90

\- sign 1610.164+/-0.212 χ^2/NDF: 324679.5/46



Right In: -845.452+/-1819.224 χ^2/NDF: 15.4/18

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

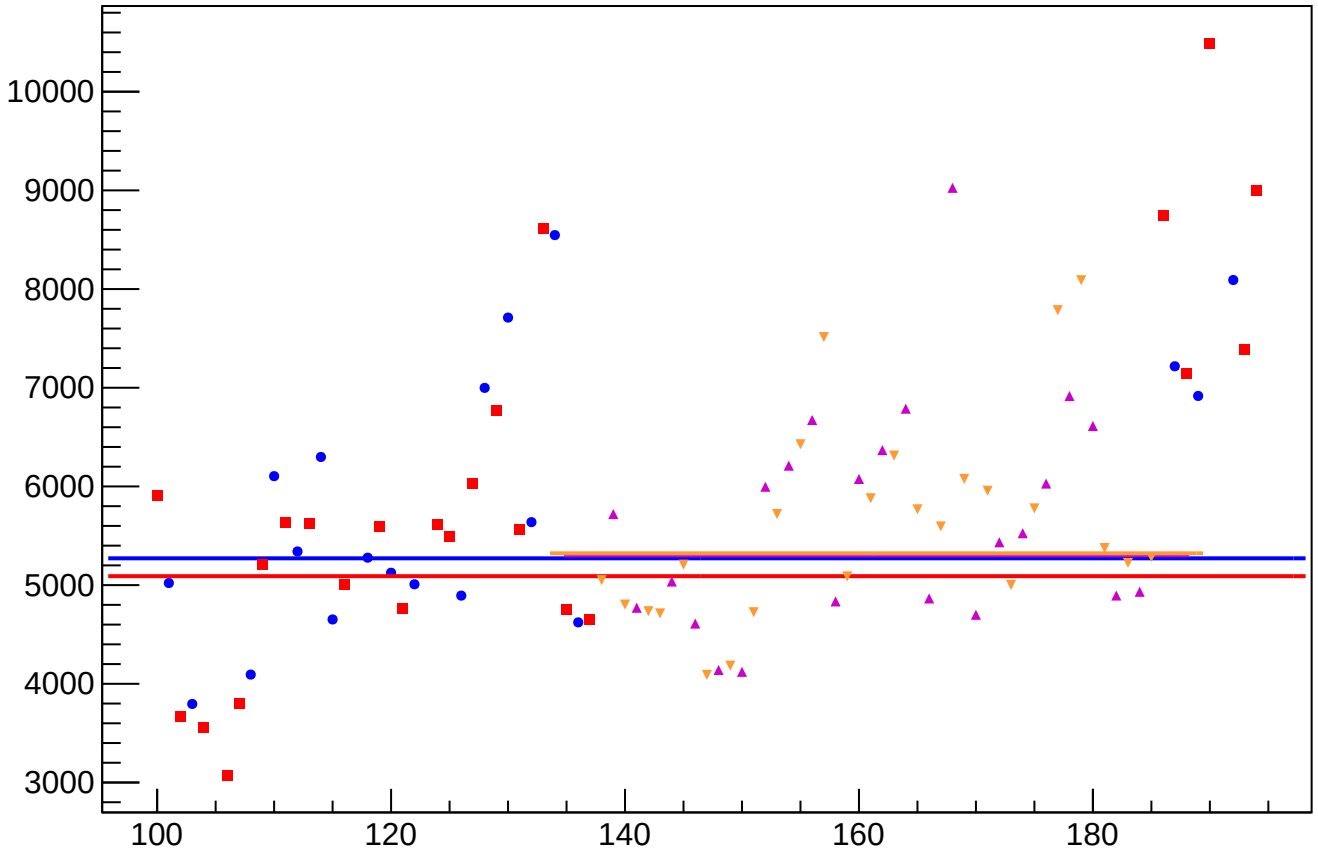
Right Out: 1949.735+/-1623.514 χ^2/NDF: 22.4/23

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

+ sign 145.978+/-1020.980 χ^2/NDF: 41.9/43

All: 529.136+/-713.195 χ^2/NDF: 79.9/90

- sign 894.272+/-996.680 χ^2/NDF: 37.8/46



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: 5090.729+/-1.148 χ^2/NDF: 1969327.5/23

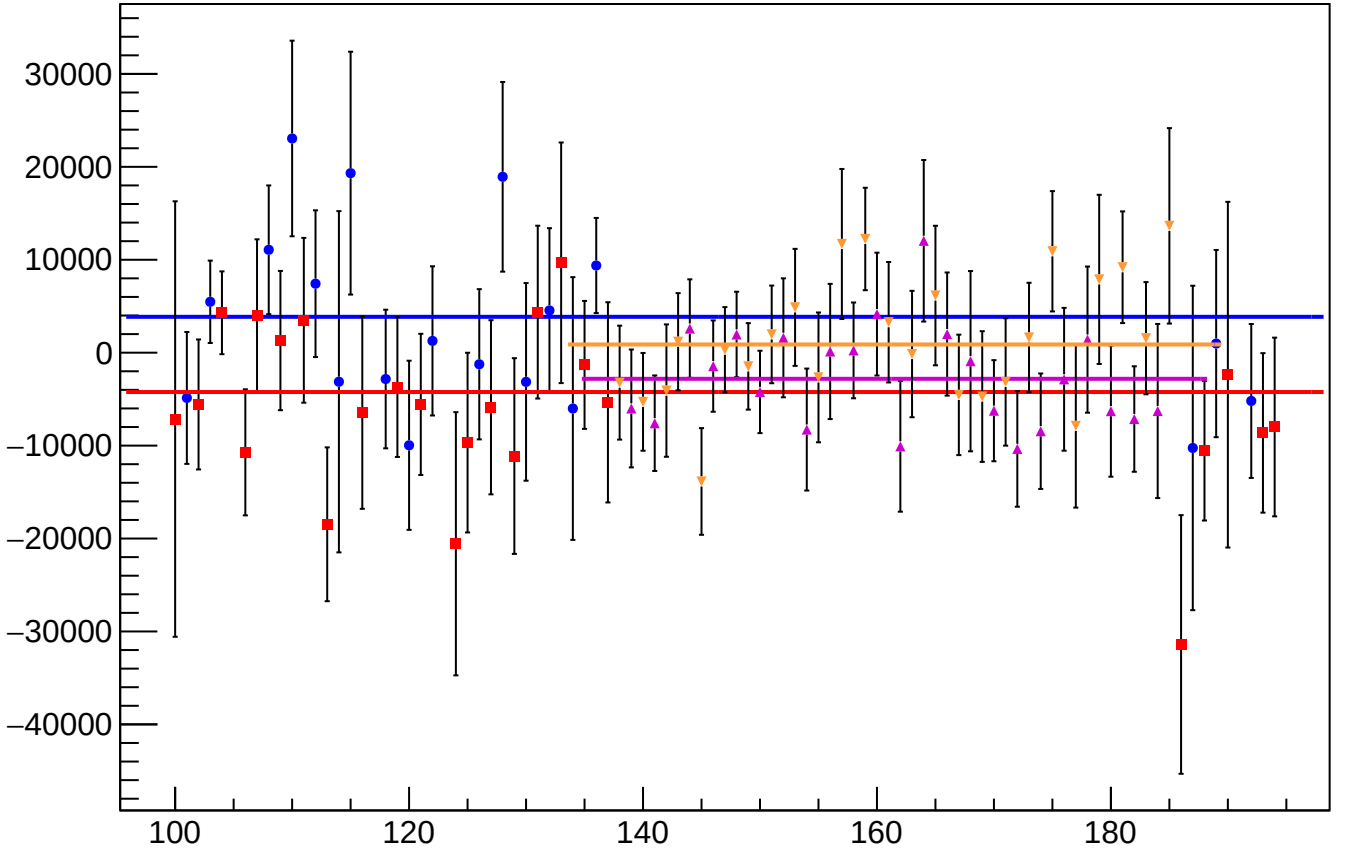
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5306.076+/-0.722 χ^2/NDF: 1956356.4/43

All: 5263.493+/-0.504 χ^2/NDF: 5106134.9/90

- sign 5222.912+/-0.705 χ^2/NDF: 3142983.6/46

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: -4232.784+/-1734.795 χ^2/NDF: 19.2/23

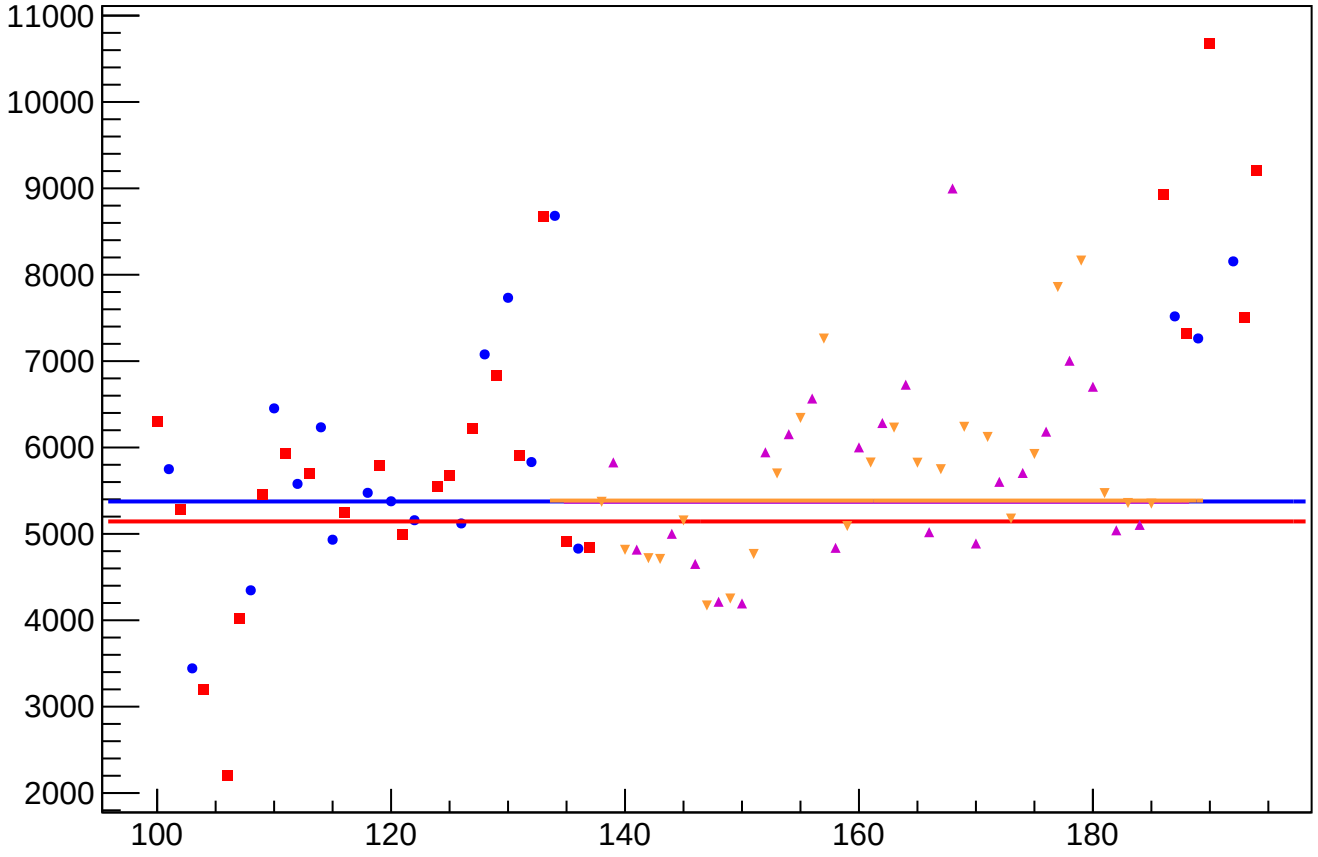
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1806.073+/-1035.827 χ^2/NDF: 45.0/43

All: -770.332+/-729.848 χ^2/NDF: 91.7/90

- sign -3310.581+/-1028.533 χ^2/NDF: 34.4/46

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: 5144.052+/-1.186 χ^2/NDF: 2493671.7/23

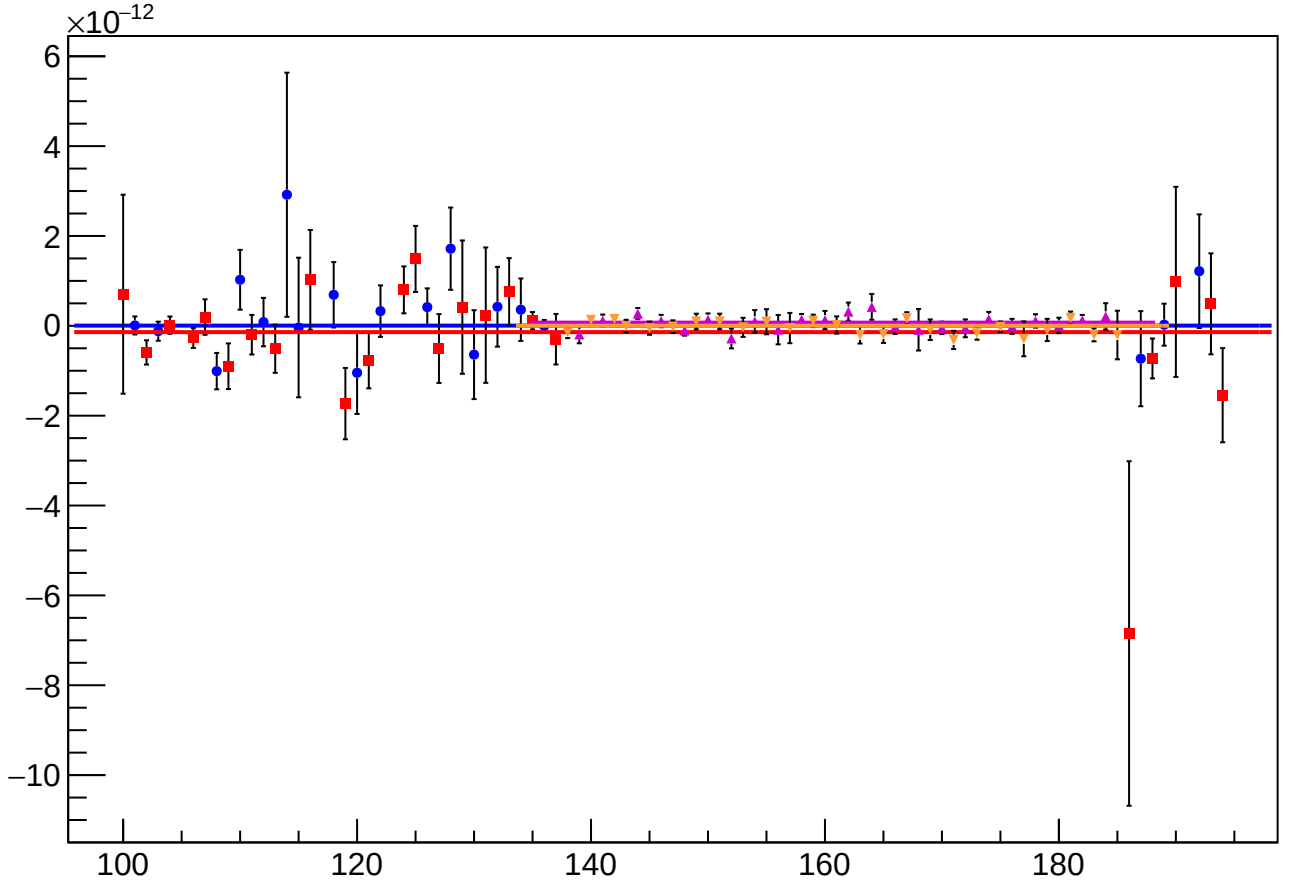
Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5382.467+/-0.732 χ^2/NDF: 2066615.1/43

All: 5334.804+/-0.513 χ^2/NDF: 5663967.9/90

- sign 5288.923+/-0.719 χ^2/NDF: 3589041.8/46

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

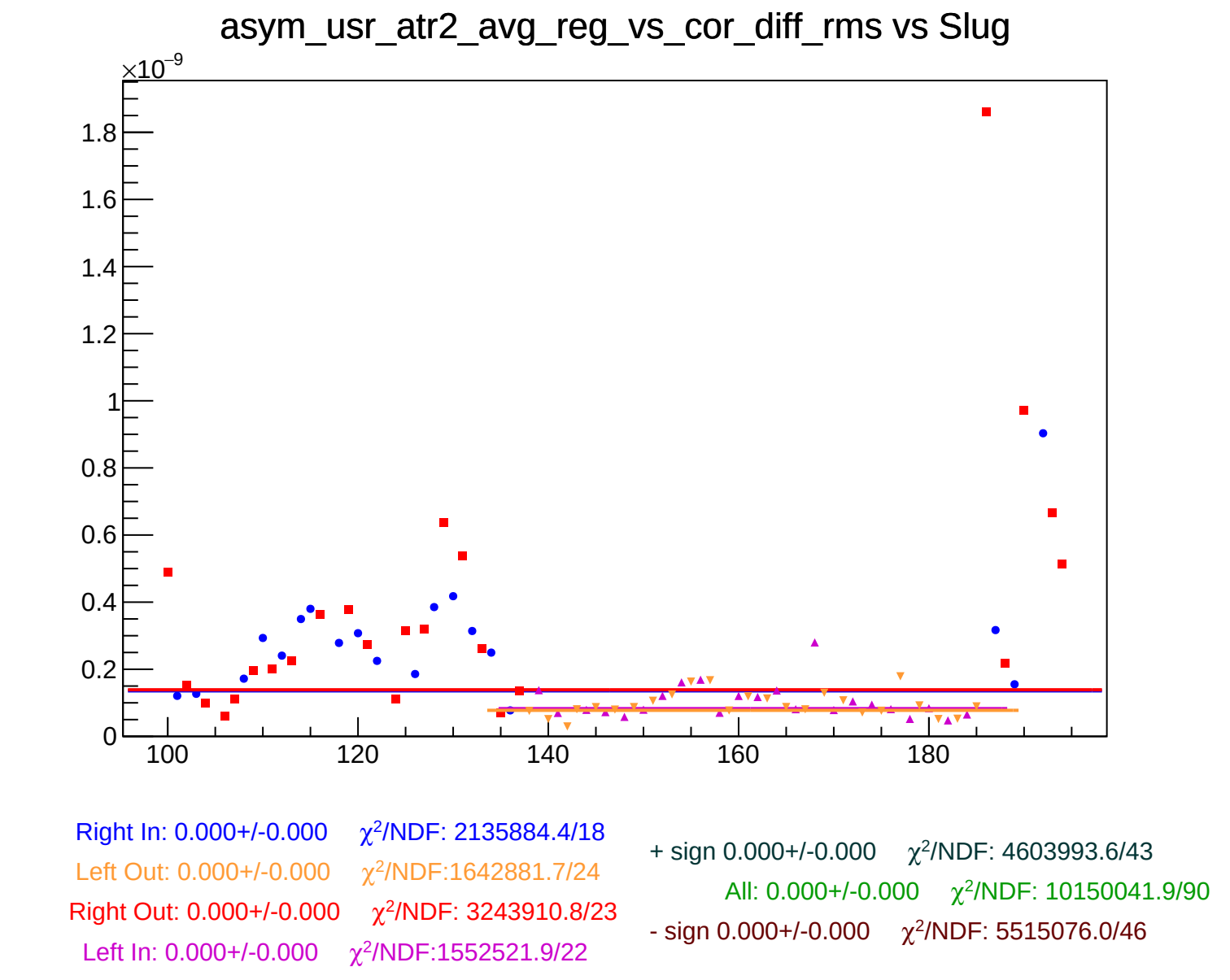
Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/23

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

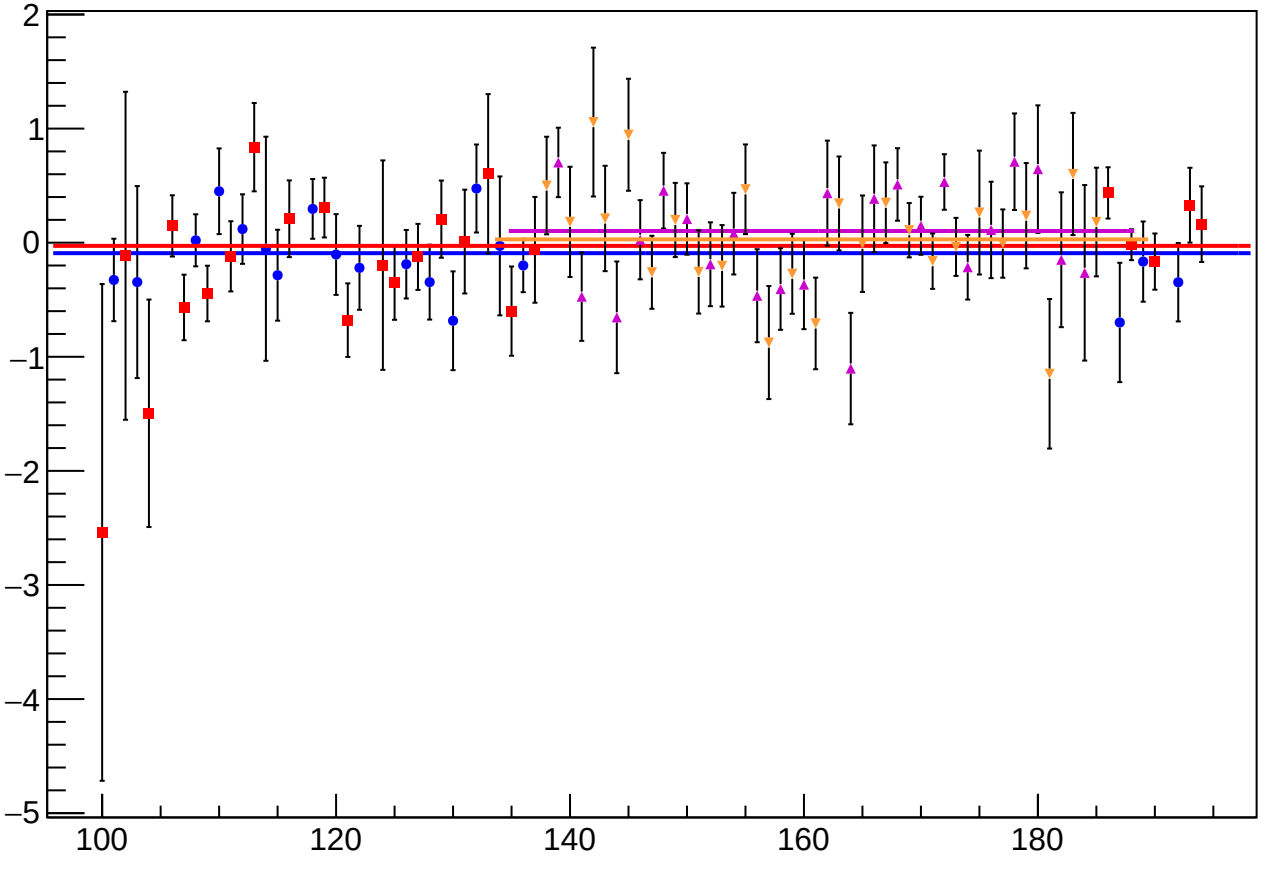
+ sign 0.000+/-0.000 χ^2/NDF: 37.8/43

All: 0.000+/-0.000 χ^2/NDF: 92.0/90

- sign 0.000+/-0.000 χ^2/NDF: 53.4/46


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: 3243910.8/23
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: 10150041.9/90
- sign 0.000+/-0.000 χ²/NDF: 5515076.0/46

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: -0.028+/-0.063 χ^2/NDF: 32.4/23

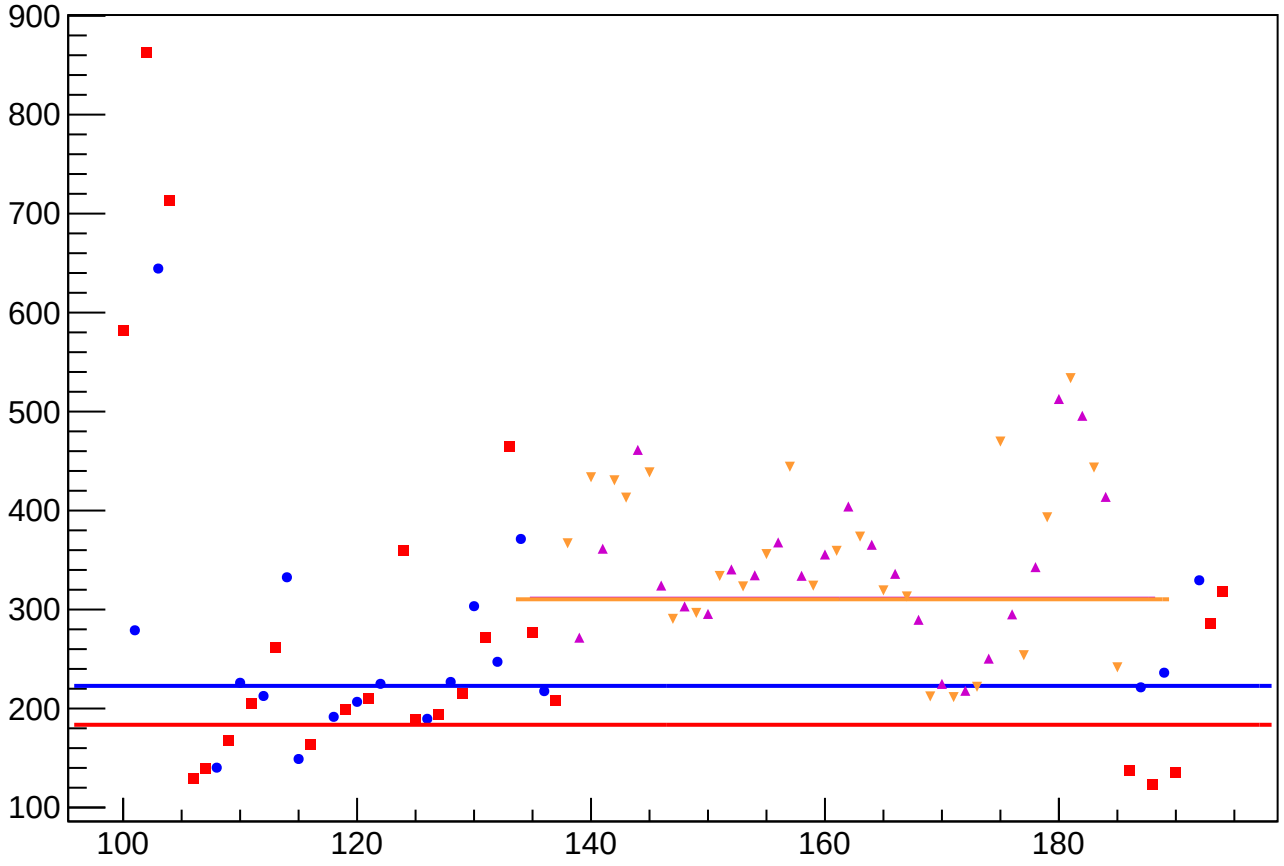
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.028+/-0.055 χ^2/NDF: 39.3/43

All: 0.002+/-0.036 χ^2/NDF: 106.3/90

- sign 0.025+/-0.048 χ^2/NDF: 66.4/46

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

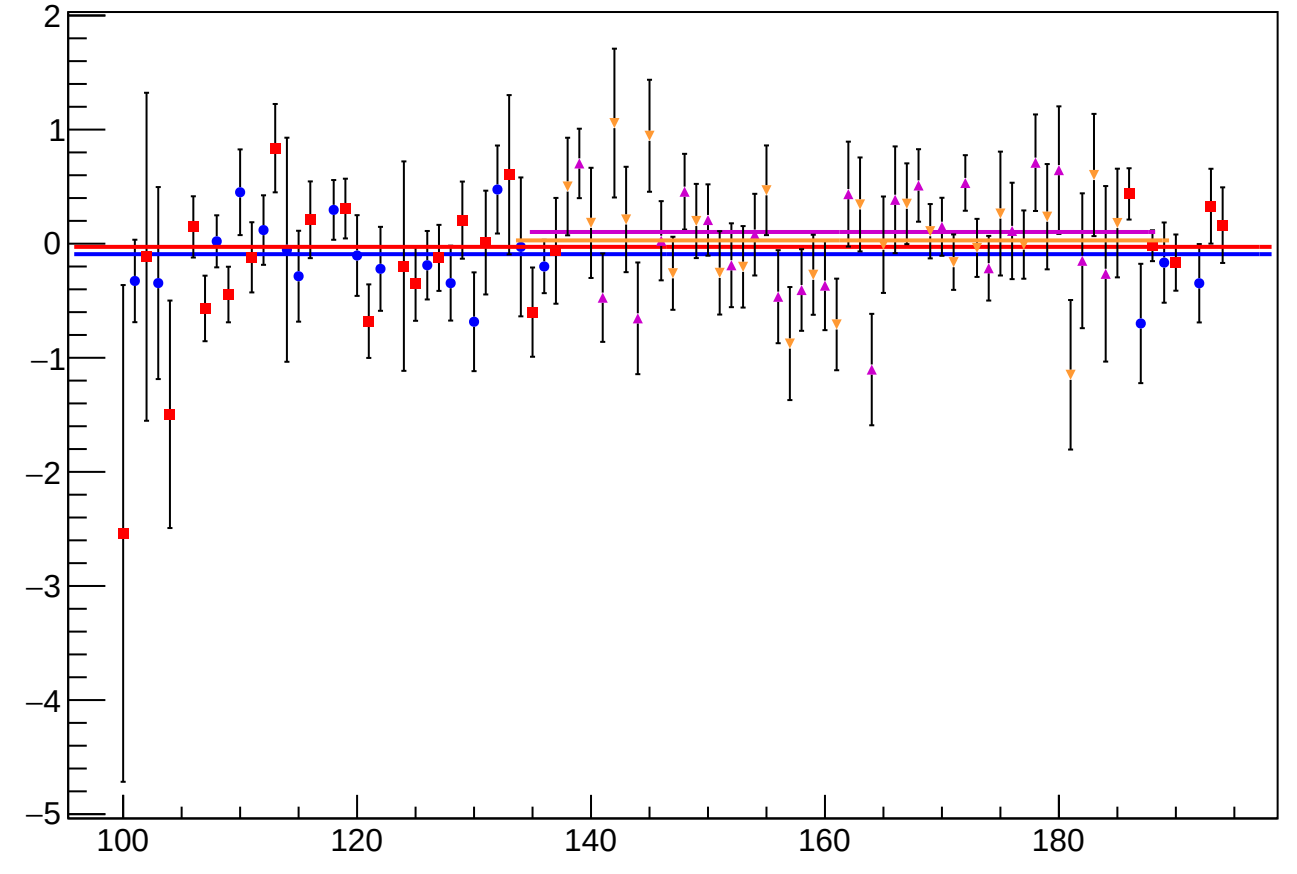
Right Out: 183.577+/-0.044 χ^2/NDF: 3031969.7/23

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 269.509+/-0.039 χ^2/NDF: 5004524.4/43

All: 250.258+/-0.026 χ^2/NDF: 13409809.9/90

- sign 235.041+/-0.034 χ^2/NDF: 7958741.6/46



Right In: -0.092+/-0.080 χ^2/NDF: 12.8/18

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

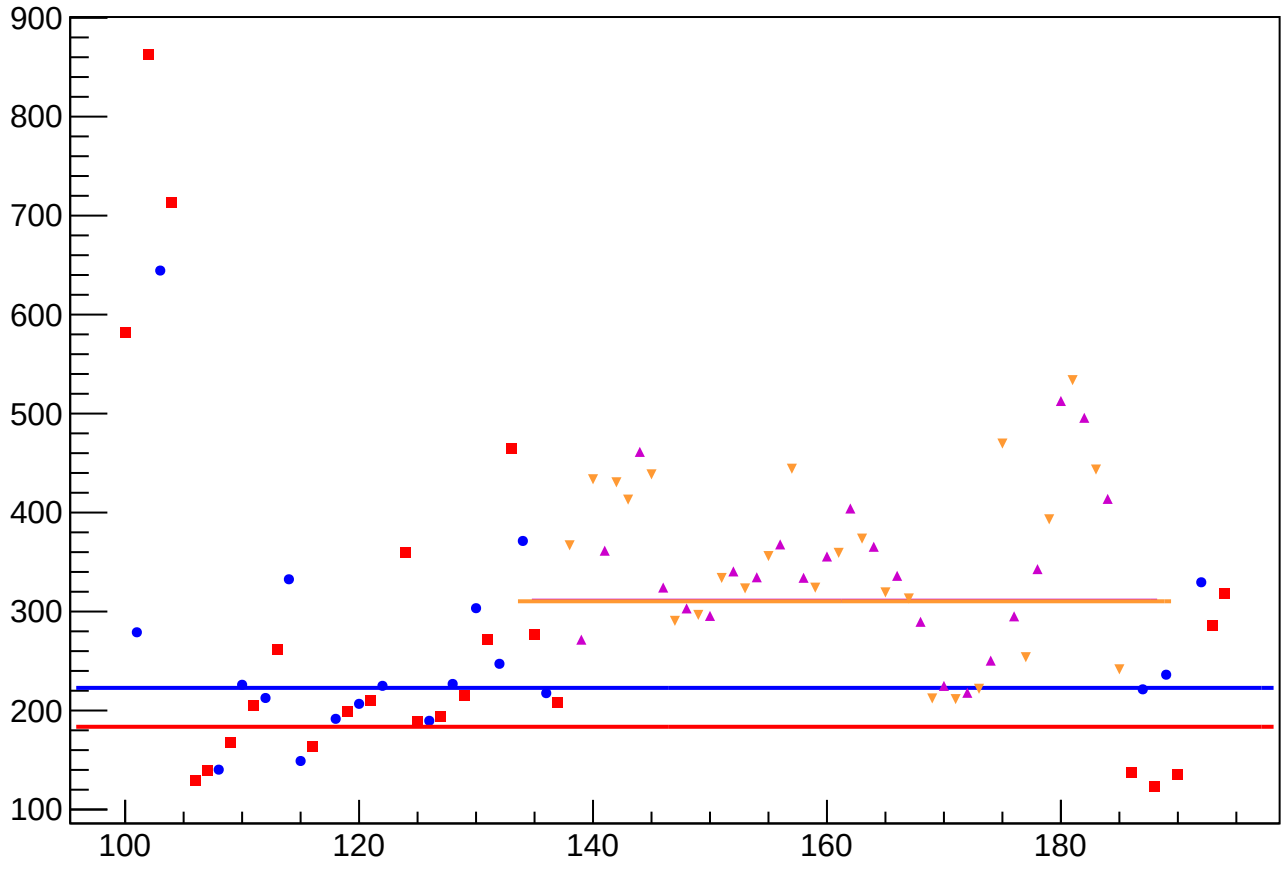
Right Out: -0.028+/-0.063 χ^2/NDF: 32.4/23

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.028+/-0.055 χ^2/NDF: 39.3/43

All: 0.002+/-0.036 χ^2/NDF: 106.3/90

- sign 0.025+/-0.048 χ^2/NDF: 66.4/46



Right In: 222.875+/-0.056 χ^2/NDF: 1359437.6/18

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 183.577+/-0.044 χ^2/NDF: 3031969.7/23

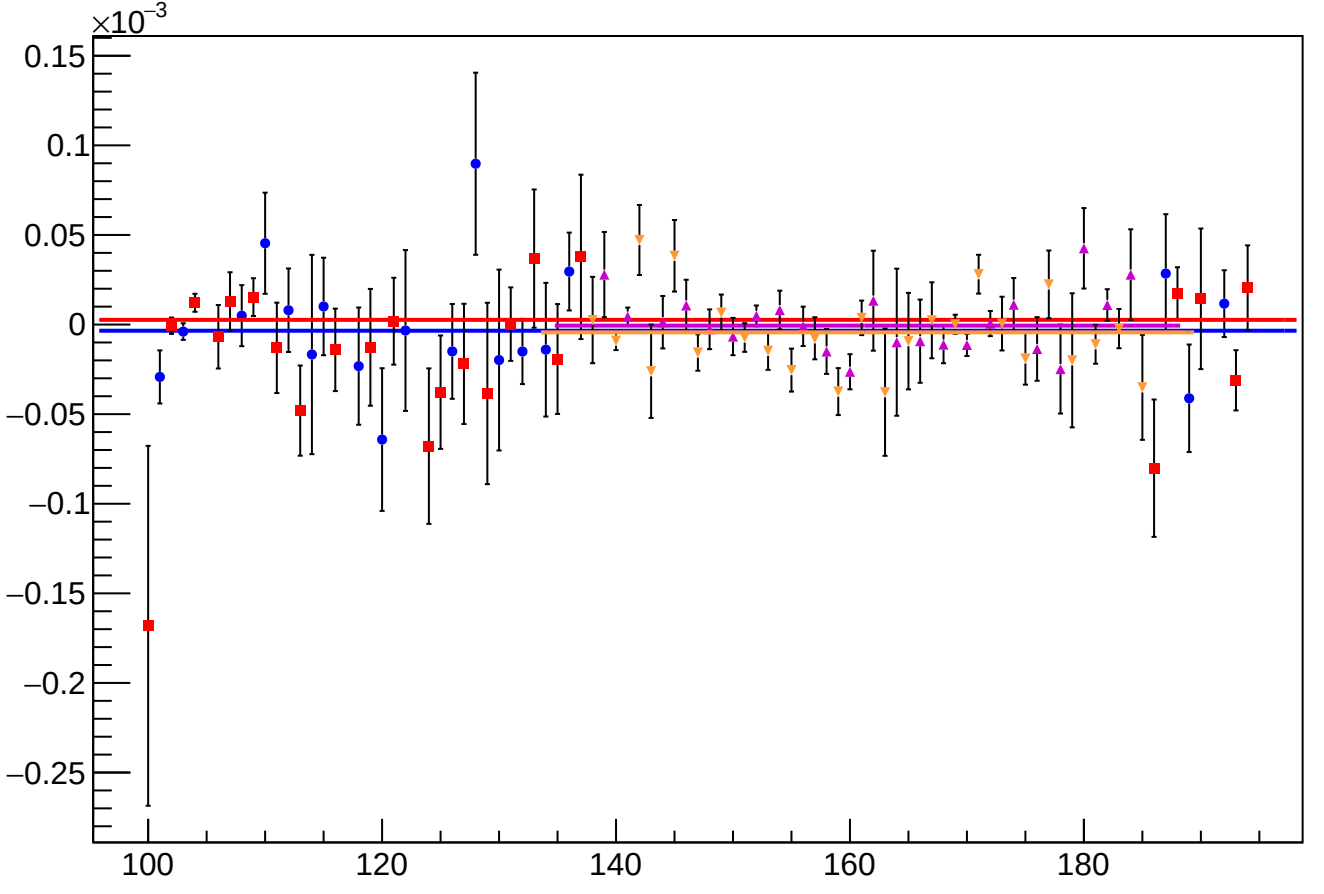
Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 269.509+/-0.039 χ^2/NDF: 5004524.4/43

All: 250.258+/-0.026 χ^2/NDF: 13409809.9/90

- sign 235.041+/-0.034 χ^2/NDF: 7958741.6/46

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

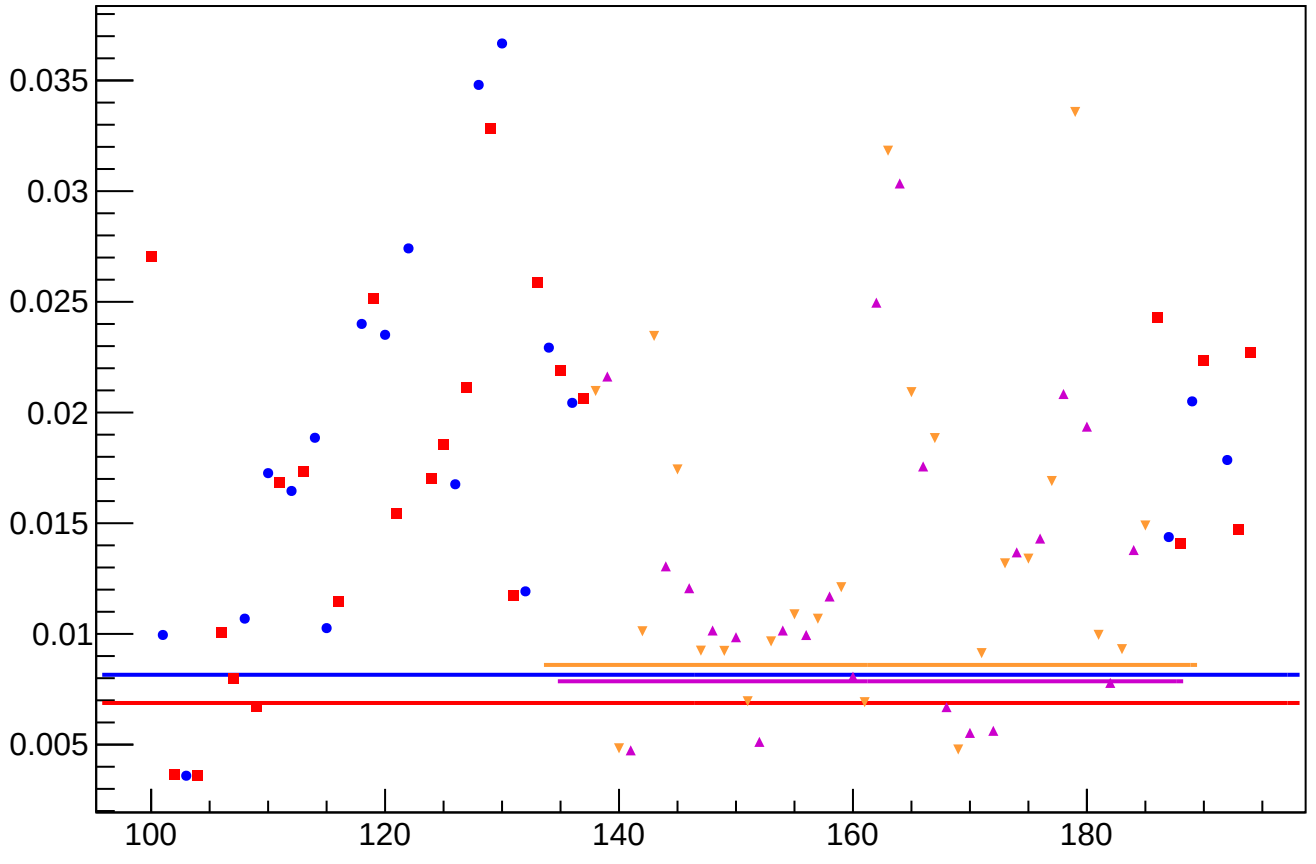
Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/23

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.5/43

All: -0.000+/-0.000 χ^2/NDF: 124.3/90

- sign 0.000+/-0.000 χ^2/NDF: 59.4/46



Right In: 0.008+/-0.000 χ^2/NDF: 7091011.3/18

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

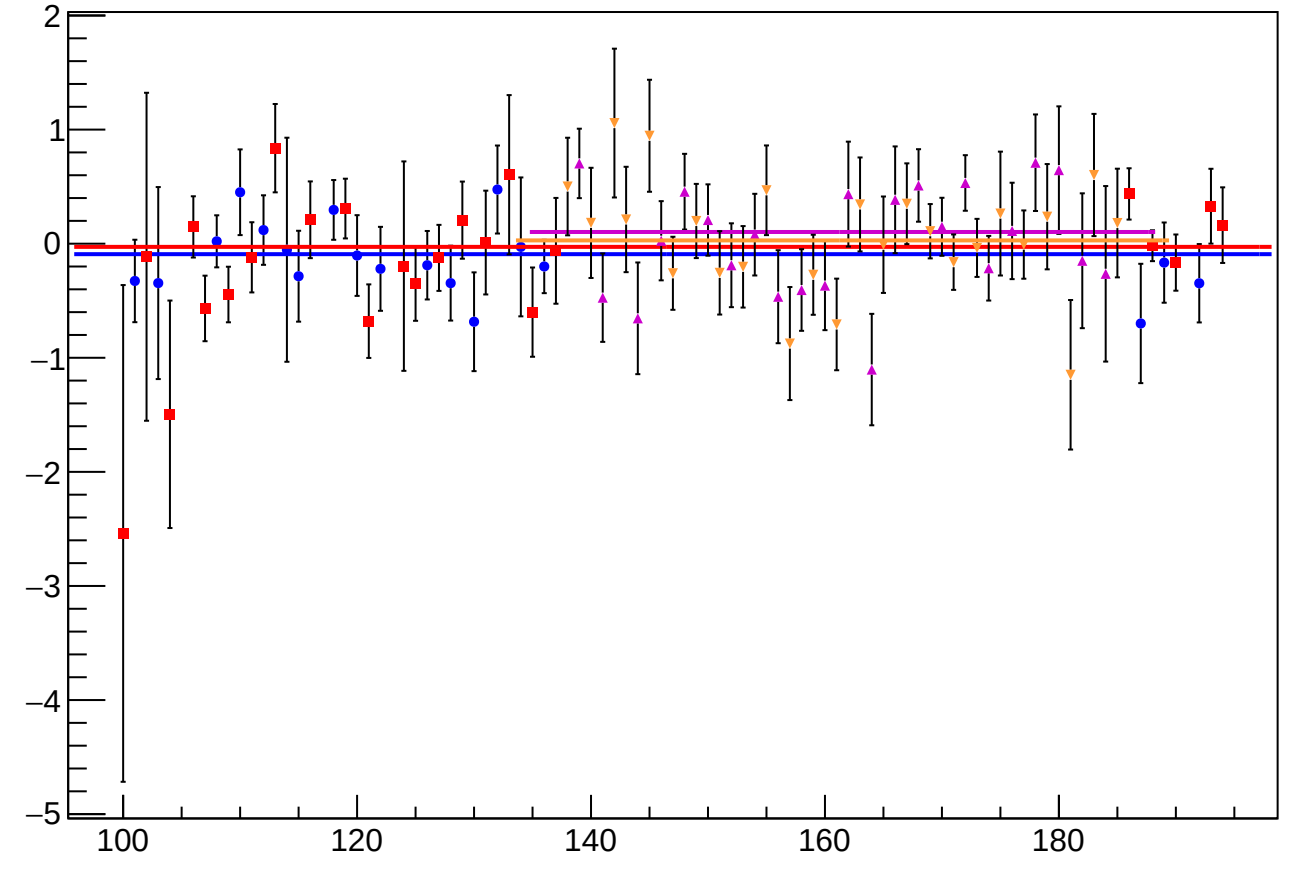
Right Out: 0.007+/-0.000 χ^2/NDF: 8675384.7/23

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 14766037.0/43

All: 0.008+/-0.000 χ^2/NDF: 30674338.9/90

- sign 0.007+/-0.000 χ^2/NDF: 15611531.0/46



Right In: -0.092+/-0.080 χ^2/NDF: 12.8/18

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.028+/-0.063 χ^2/NDF: 32.4/23

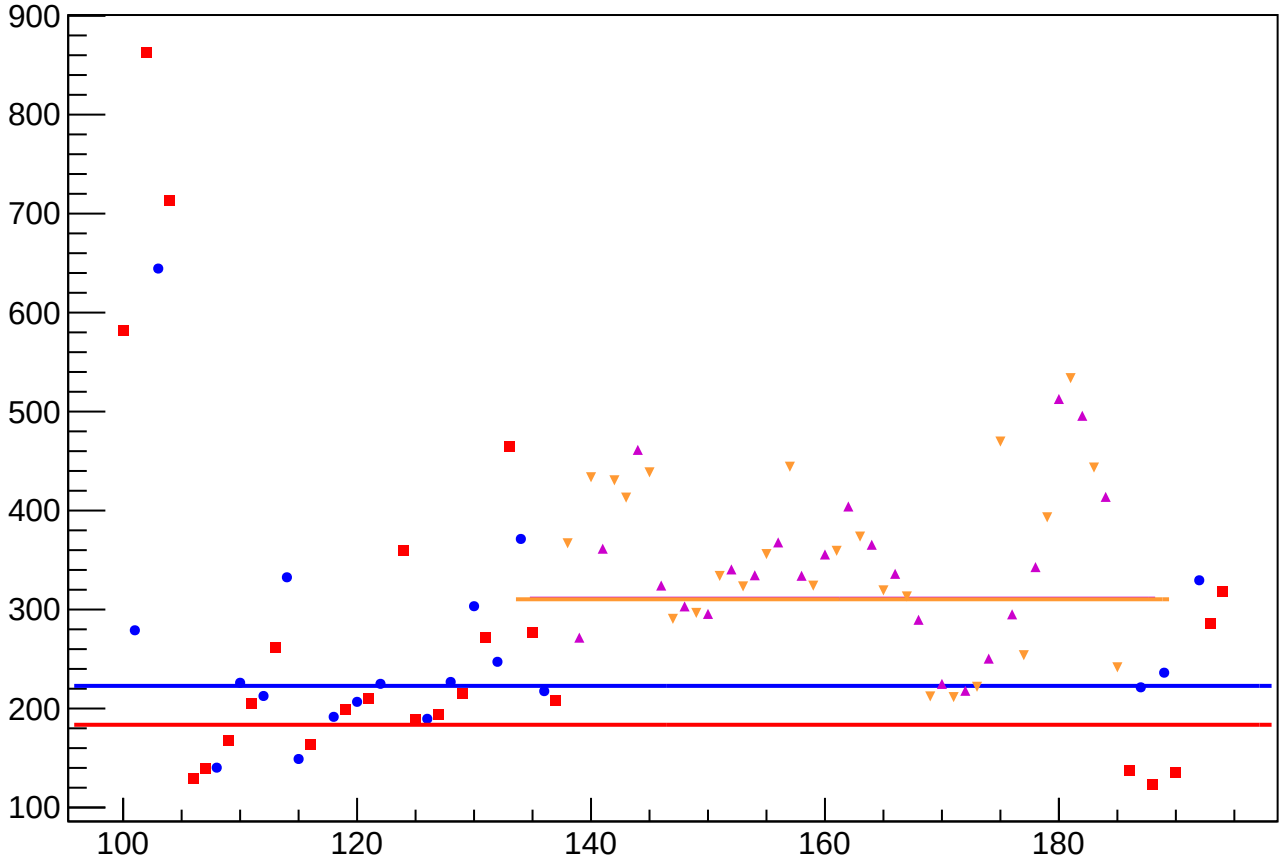
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

\+ sign -0.028+/-0.055 χ^2/NDF: 39.4/43

All: 0.002+/-0.036 χ^2/NDF: 106.3/90

\- sign 0.025+/-0.048 χ^2/NDF: 66.4/46

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 222.874+/-0.056 χ^2/NDF: 1359411.3/18

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

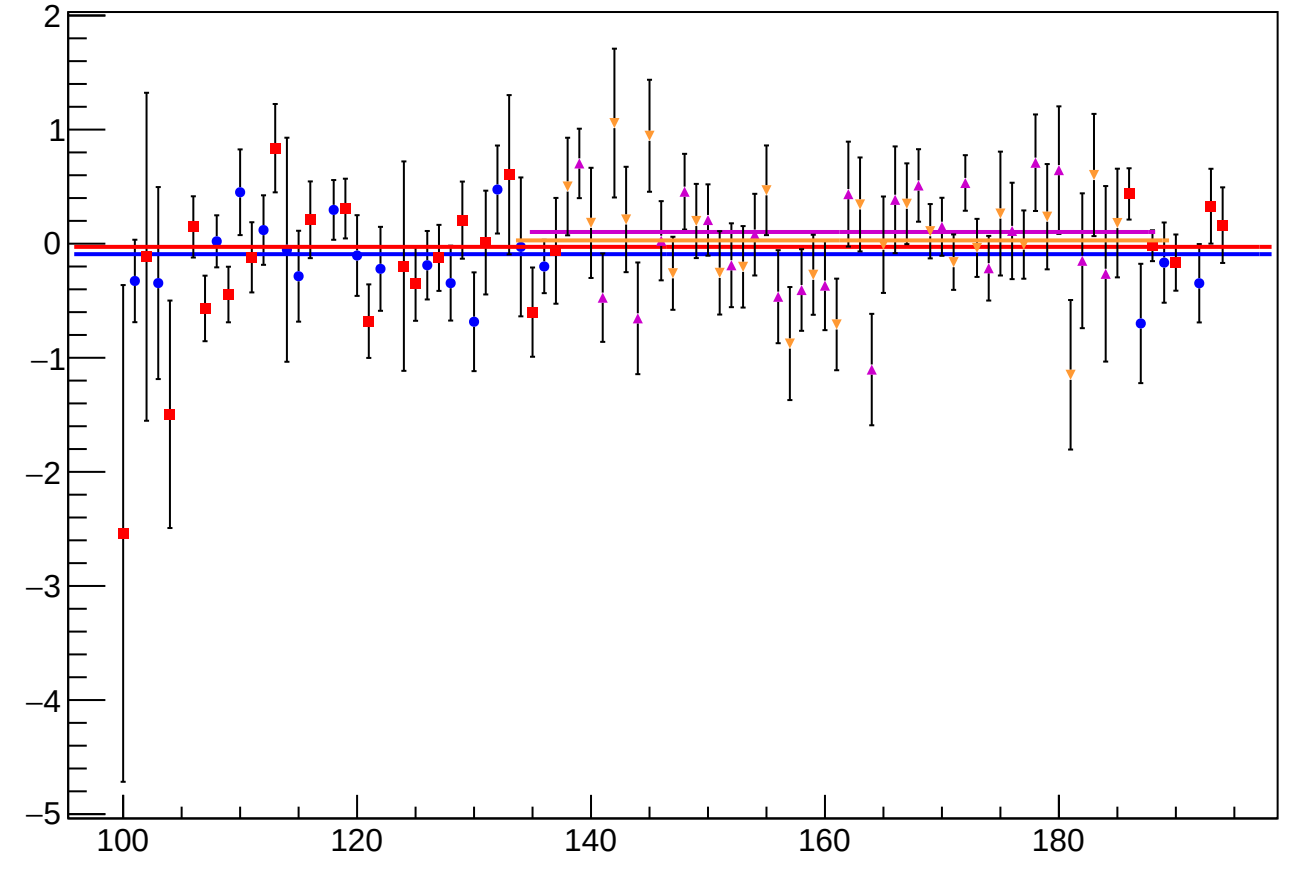
Right Out: 183.575+/-0.044 χ^2/NDF: 3032046.5/23

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 269.510+/-0.039 χ^2/NDF: 5004680.5/43

All: 250.257+/-0.026 χ^2/NDF: 13410444.4/90

- sign 235.040+/-0.034 χ^2/NDF: 7959161.7/46



Right In: -0.092+/-0.080 χ^2/NDF: 12.8/18

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

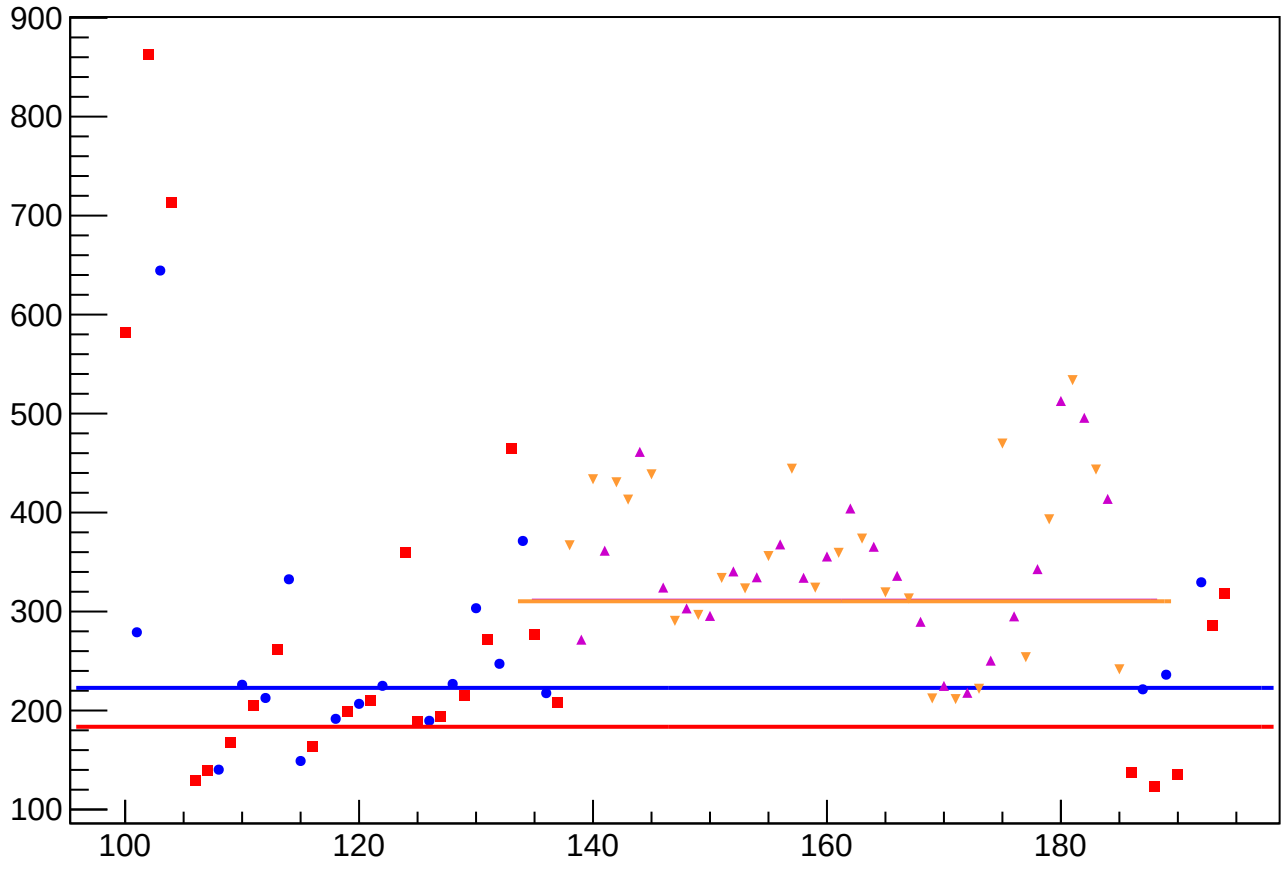
Right Out: -0.028+/-0.063 χ^2/NDF: 32.4/23

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.028+/-0.055 χ^2/NDF: 39.4/43

All: 0.002+/-0.036 χ^2/NDF: 106.3/90

- sign 0.025+/-0.048 χ^2/NDF: 66.4/46



Right In: 222.874+/-0.056 χ^2/NDF: 1359411.3/18

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

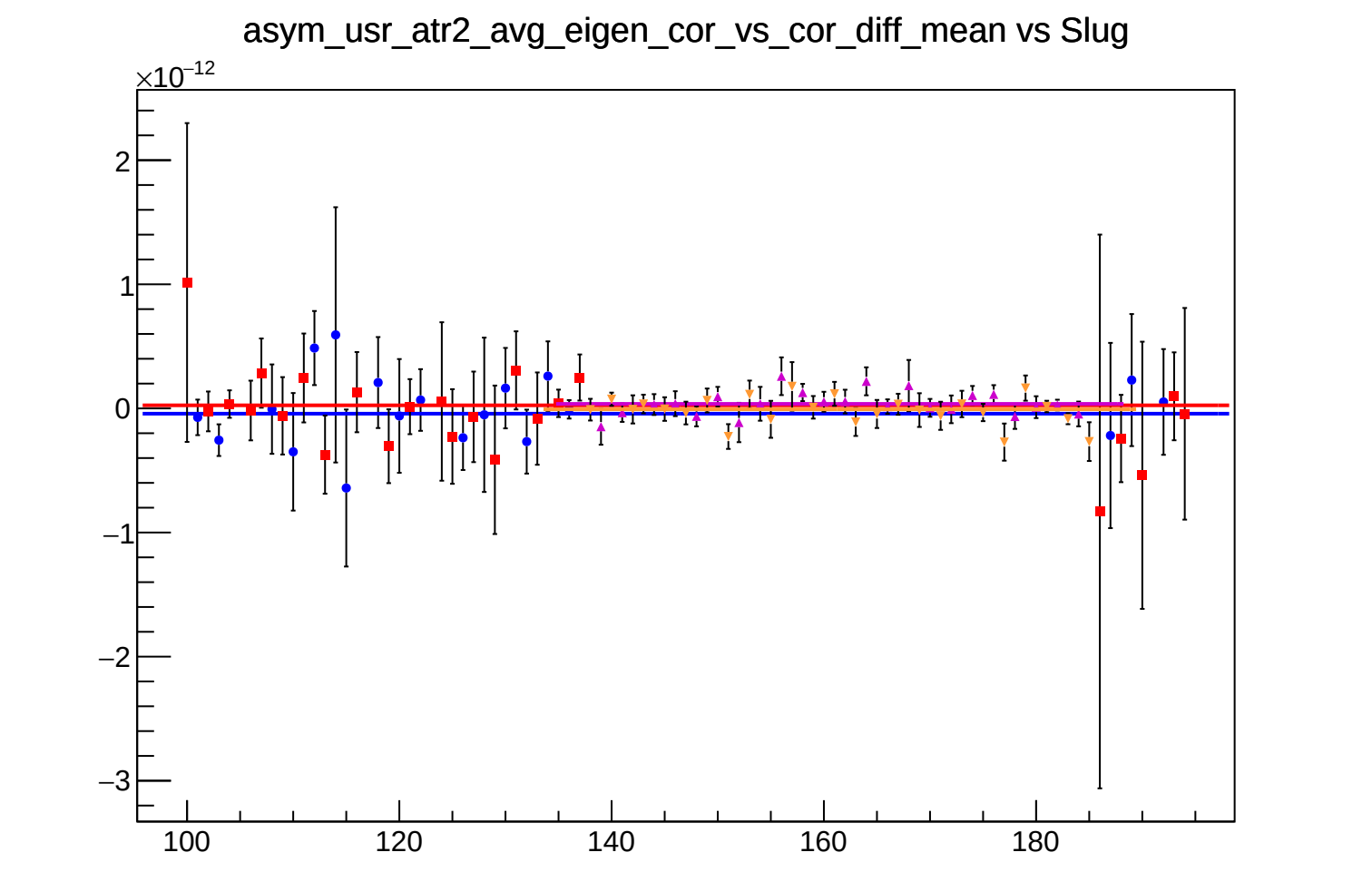
Right Out: 183.575+/-0.044 χ^2/NDF: 3032046.5/23

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 269.510+/-0.039 χ^2/NDF: 5004680.5/43

All: 250.257+/-0.026 χ^2/NDF: 13410444.4/90

- sign 235.040+/-0.034 χ^2/NDF: 7959161.7/46



Right In: -0.000+/-0.000 χ^2/NDF: 11.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

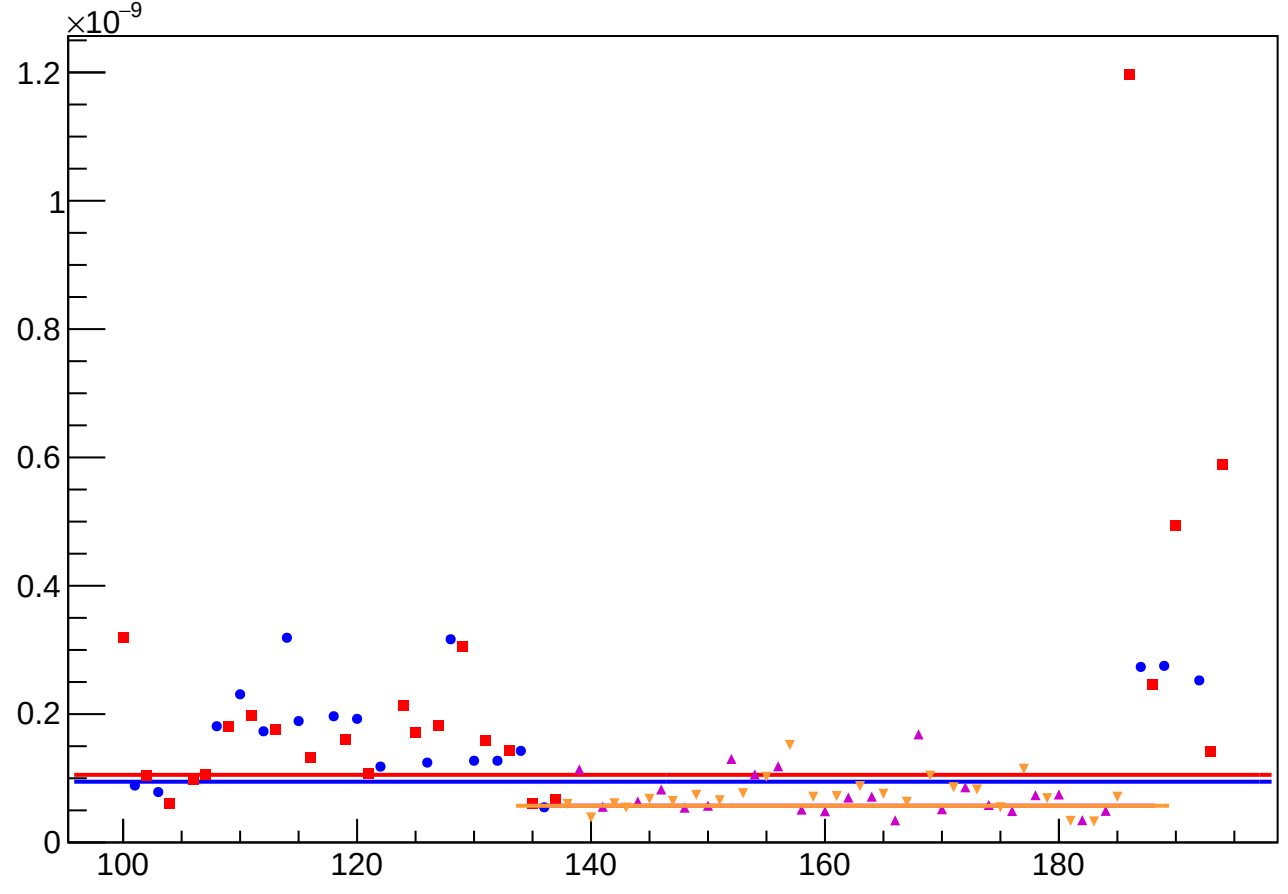
Right Out: 0.000+/-0.000 χ^2/NDF: 9.4/23

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.1/43

All: 0.000+/-0.000 χ^2/NDF: 68.3/90

- sign 0.000+/-0.000 χ^2/NDF: 26.2/46



Right In: 0.000+/-0.000 χ^2/NDF: 2444511.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3458054.1/23

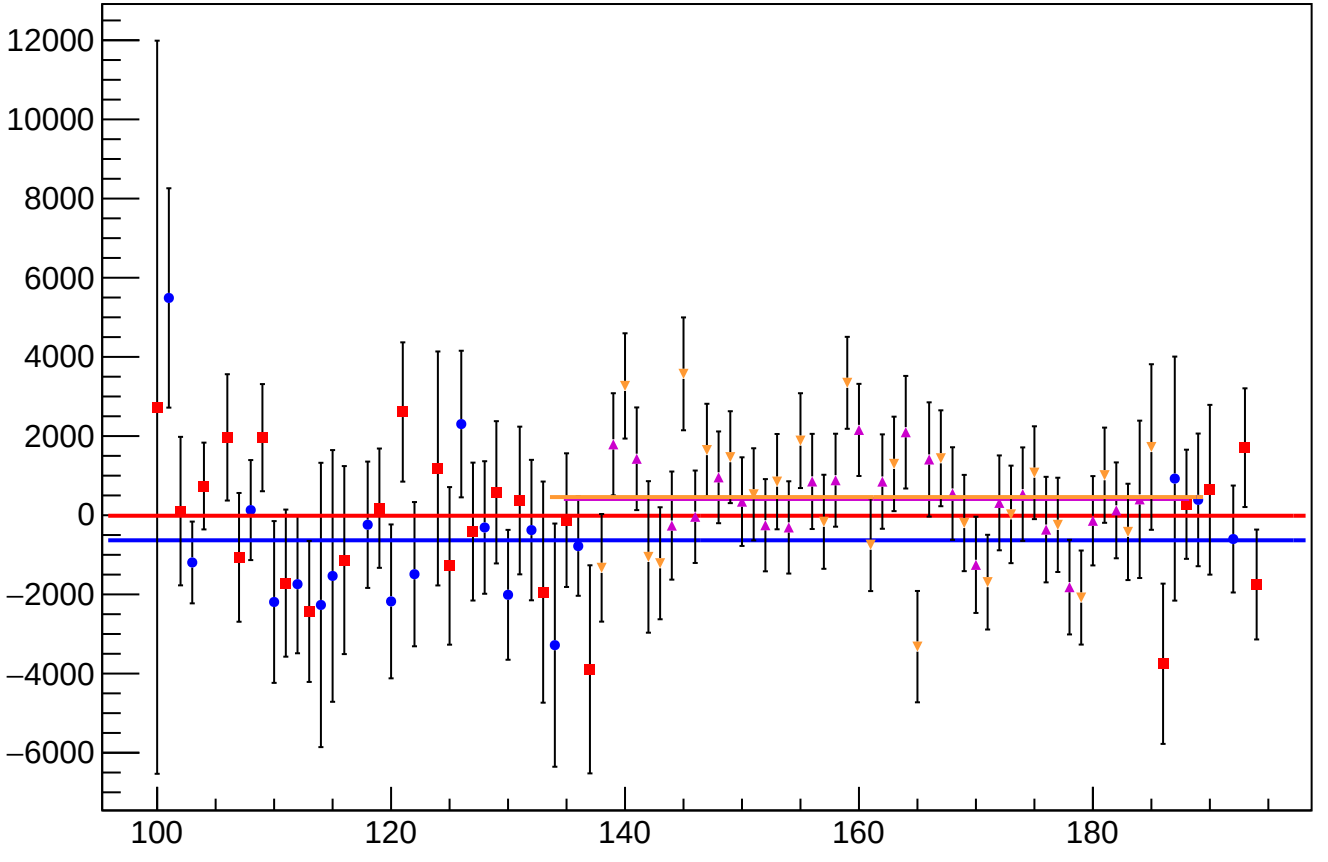
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6813897.3/43

All: 0.000+/-0.000 χ^2/NDF: 15174273.7/90

- sign 0.000+/-0.000 χ^2/NDF: 8354667.8/46

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

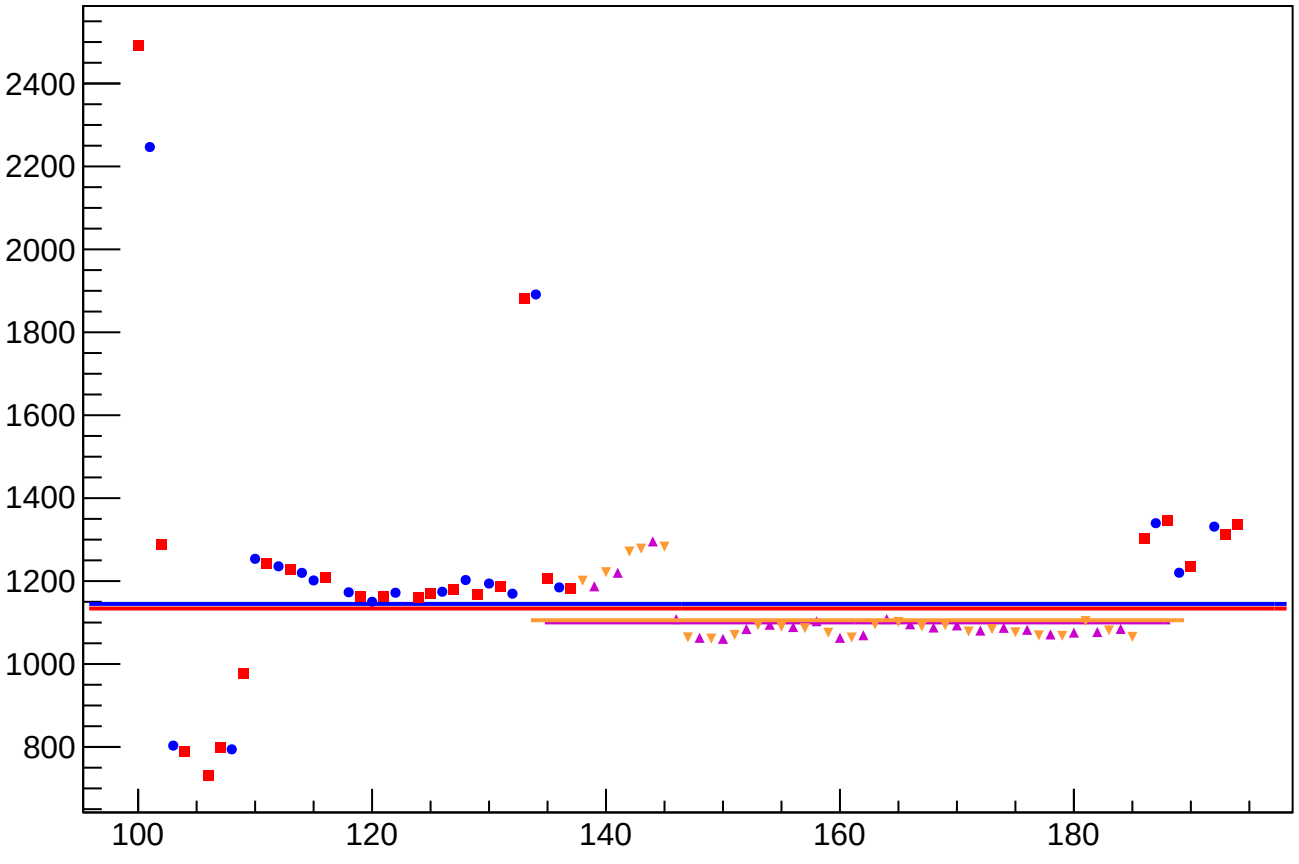
Right Out: -12.684+/-356.722 χ^2/NDF: 19.6/23

Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 141.131+/-211.814 χ^2/NDF: 59.9/43

All: 204.641+/-148.636 χ^2/NDF: 94.4/90

- sign 266.254+/-208.627 χ^2/NDF: 34.2/46



Right In: 1144.968+/-0.278 χ^2/NDF: 878055.8/18

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

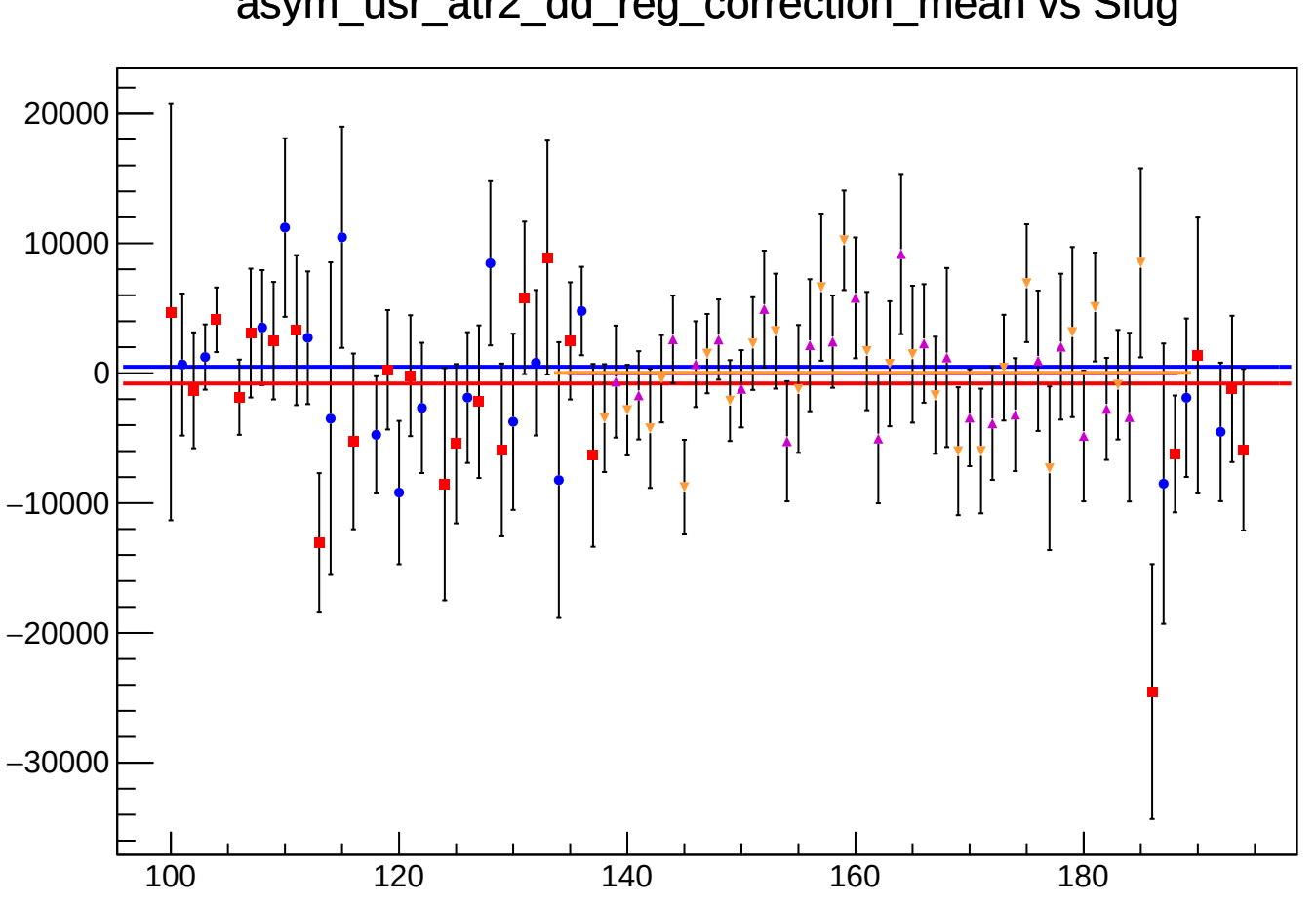
Right Out: 1133.870+/-0.251 χ^2/NDF: 828577.5/23

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1117.016+/-0.150 χ^2/NDF: 1014294.2/43

All: 1114.419+/-0.105 χ^2/NDF: 1935418.5/90

- sign 1111.910+/-0.147 χ^2/NDF: 920533.0/46



Right In: 491.282+/-1171.481 χ^2/NDF: 15.7/18

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -791.065+/-1035.868 χ^2/NDF: 25.1/23

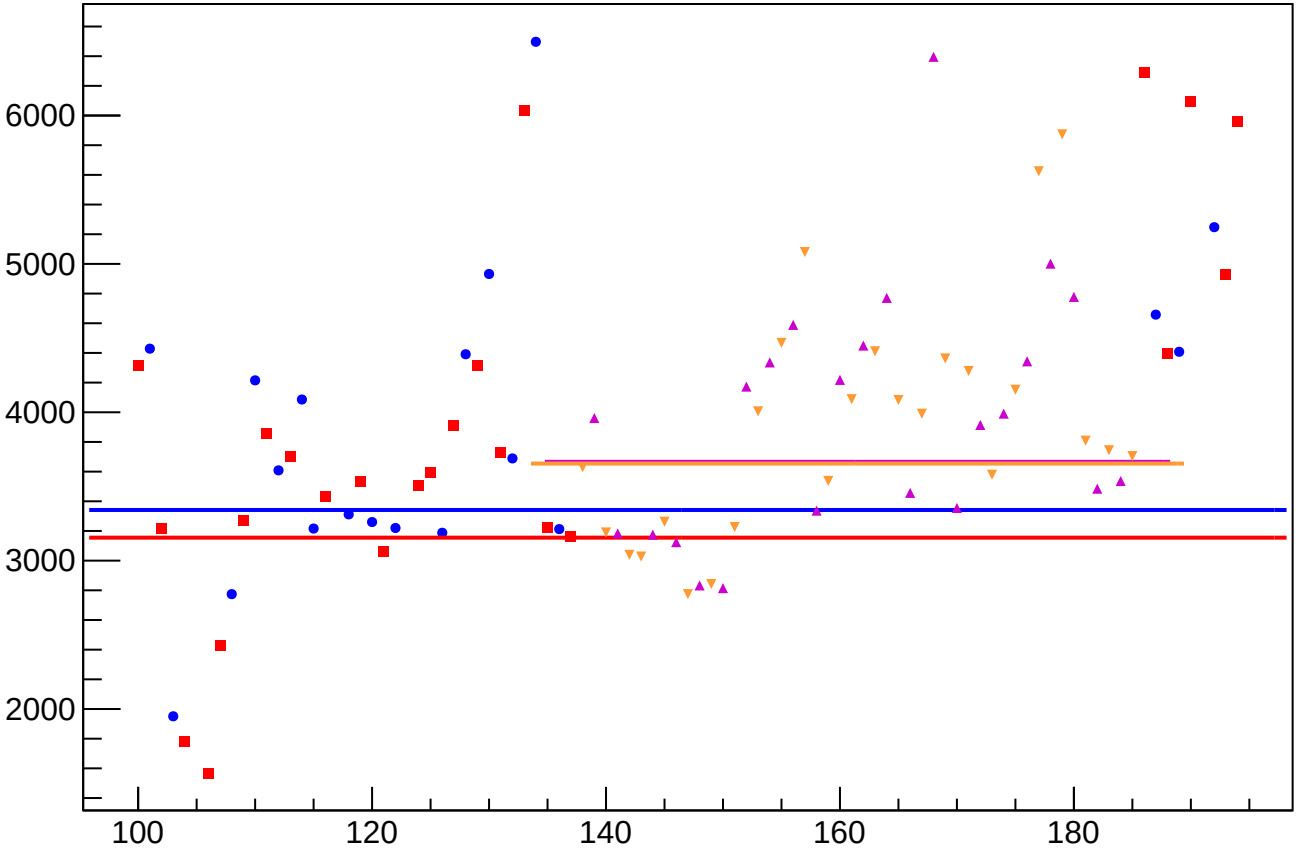
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 184.848+/-688.194 χ^2/NDF: 44.3/43

All: -81.675+/-479.533 χ^2/NDF: 84.0/90

- sign -333.203+/-668.555 χ^2/NDF: 39.4/46

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3341.460+/-0.828 χ^2/NDF: 1472841.3/18

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3154.927+/-0.732 χ^2/NDF: 2777165.5/23

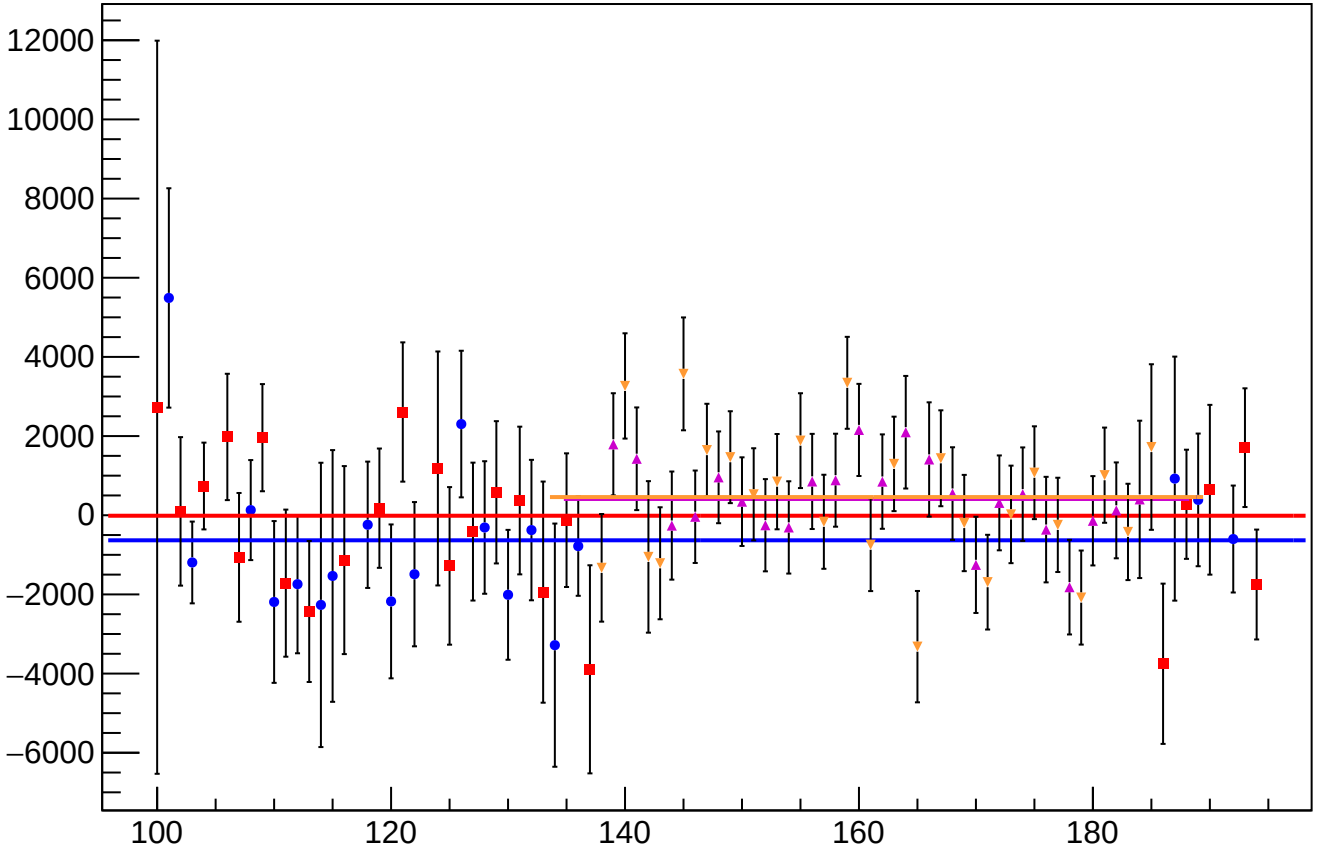
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3546.270+/-0.487 χ^2/NDF: 2877948.2/43

All: 3498.379+/-0.339 χ^2/NDF: 7301827.7/90

- sign 3453.182+/-0.473 χ^2/NDF: 4405053.5/46

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: -12.465+/-356.725 χ^2/NDF: 19.7/23

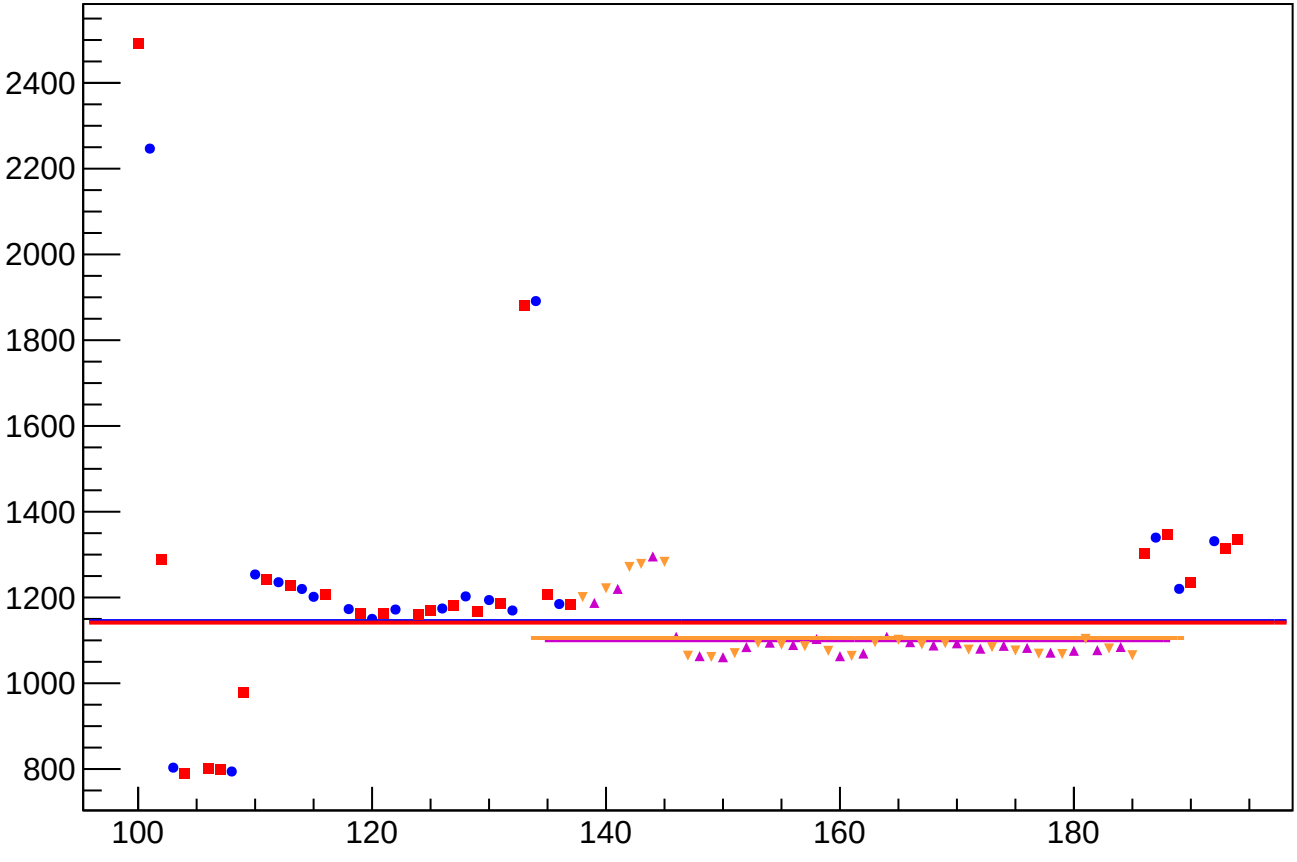
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 141.184+/-211.815 χ^2/NDF: 59.9/43

All: 204.673+/-148.636 χ^2/NDF: 94.4/90

- sign 266.266+/-208.628 χ^2/NDF: 34.3/46

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

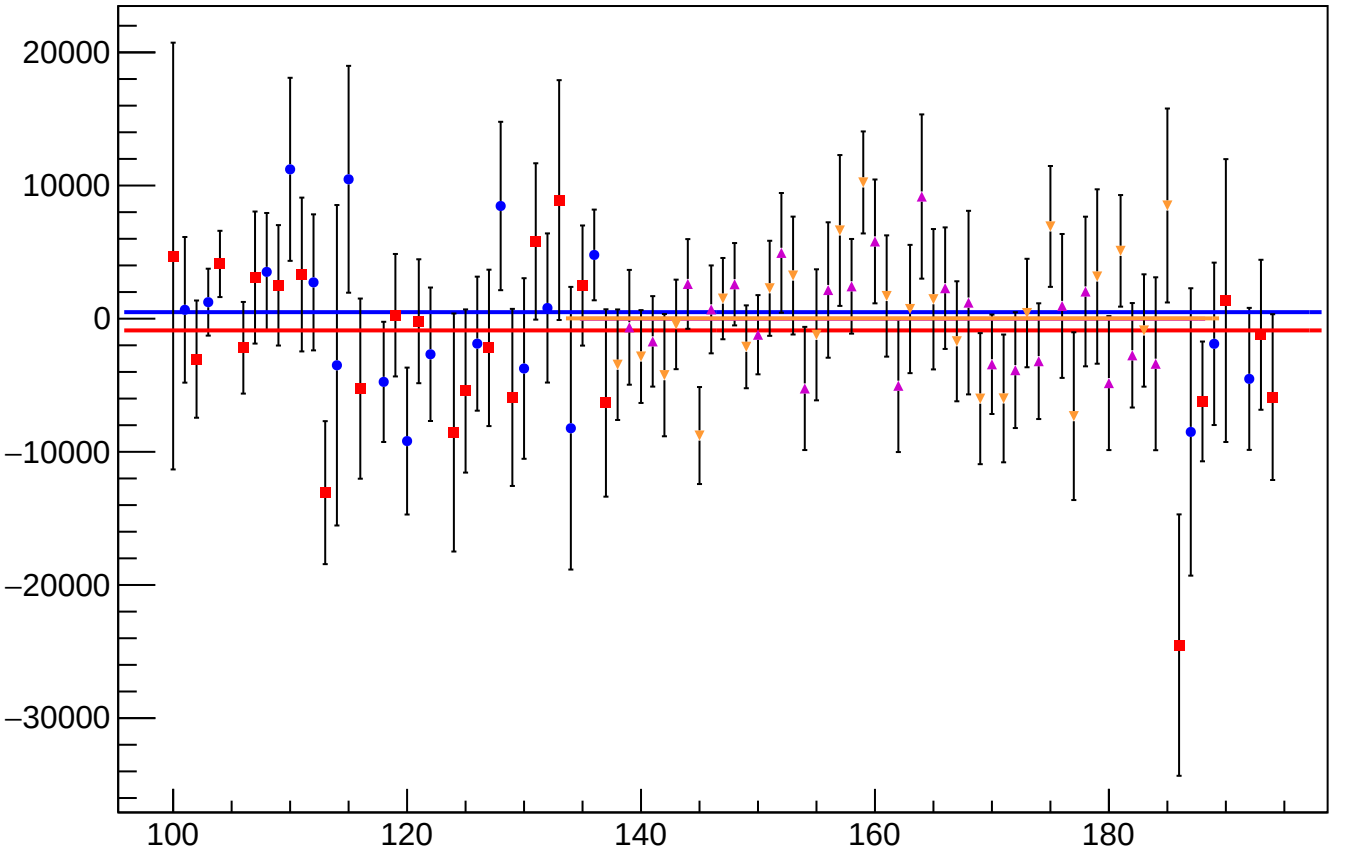
Right Out: 1141.425+/-0.252 χ^2/NDF: 760524.9/23

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1117.016+/-0.150 χ^2/NDF: 1014290.8/43

All: 1115.701+/-0.105 χ^2/NDF: 1872688.6/90

- sign 1114.426+/-0.147 χ^2/NDF: 858245.9/46



Right In: 490.788+/-1171.524 χ^2/NDF: 15.7/18

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -880.963+/-1055.081 χ^2/NDF: 25.4/23

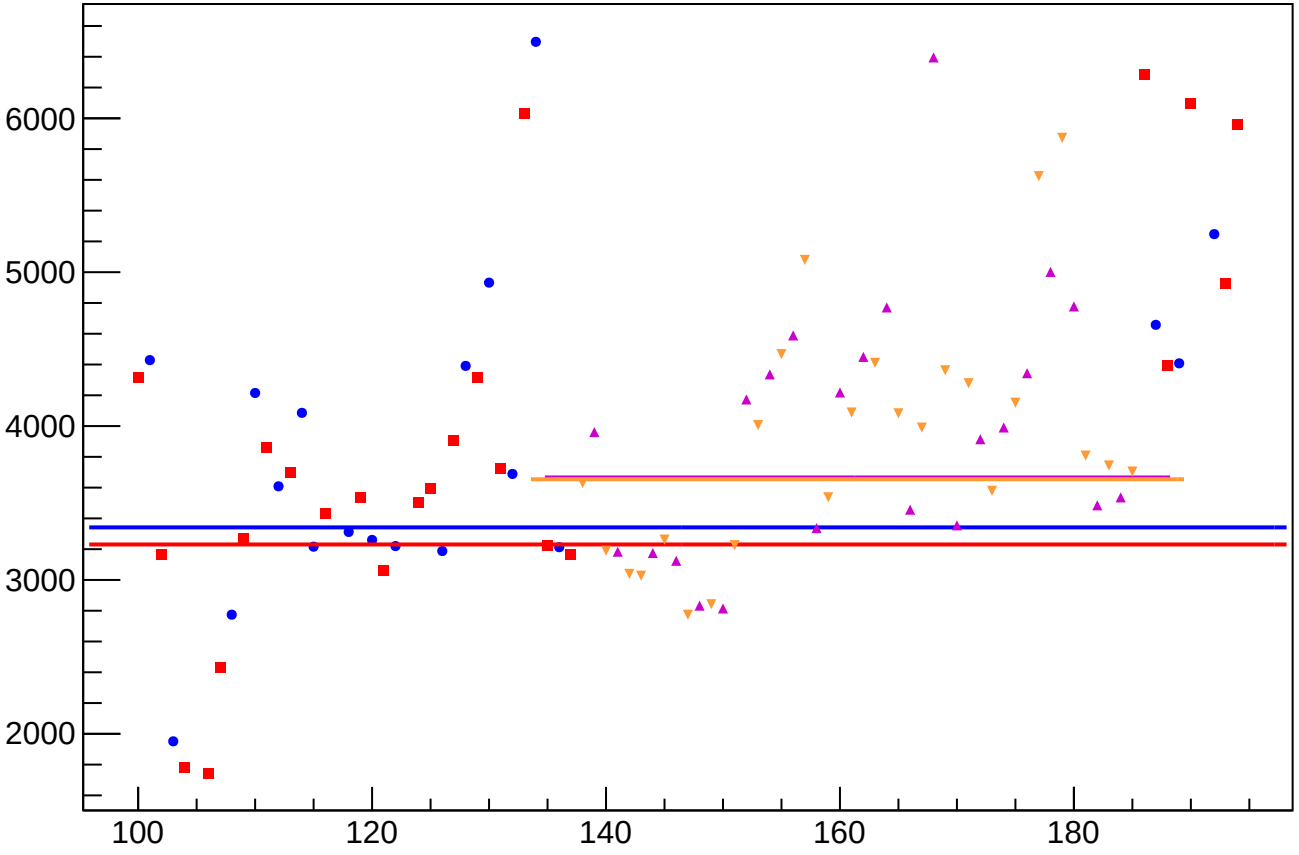
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 184.667+/-688.203 χ^2/NDF: 44.3/43

All: -94.968+/-481.401 χ^2/NDF: 84.4/90

- sign -362.891+/-673.637 χ^2/NDF: 39.8/46

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: 3230.613+/-0.746 χ^2/NDF: 2499842.2/23

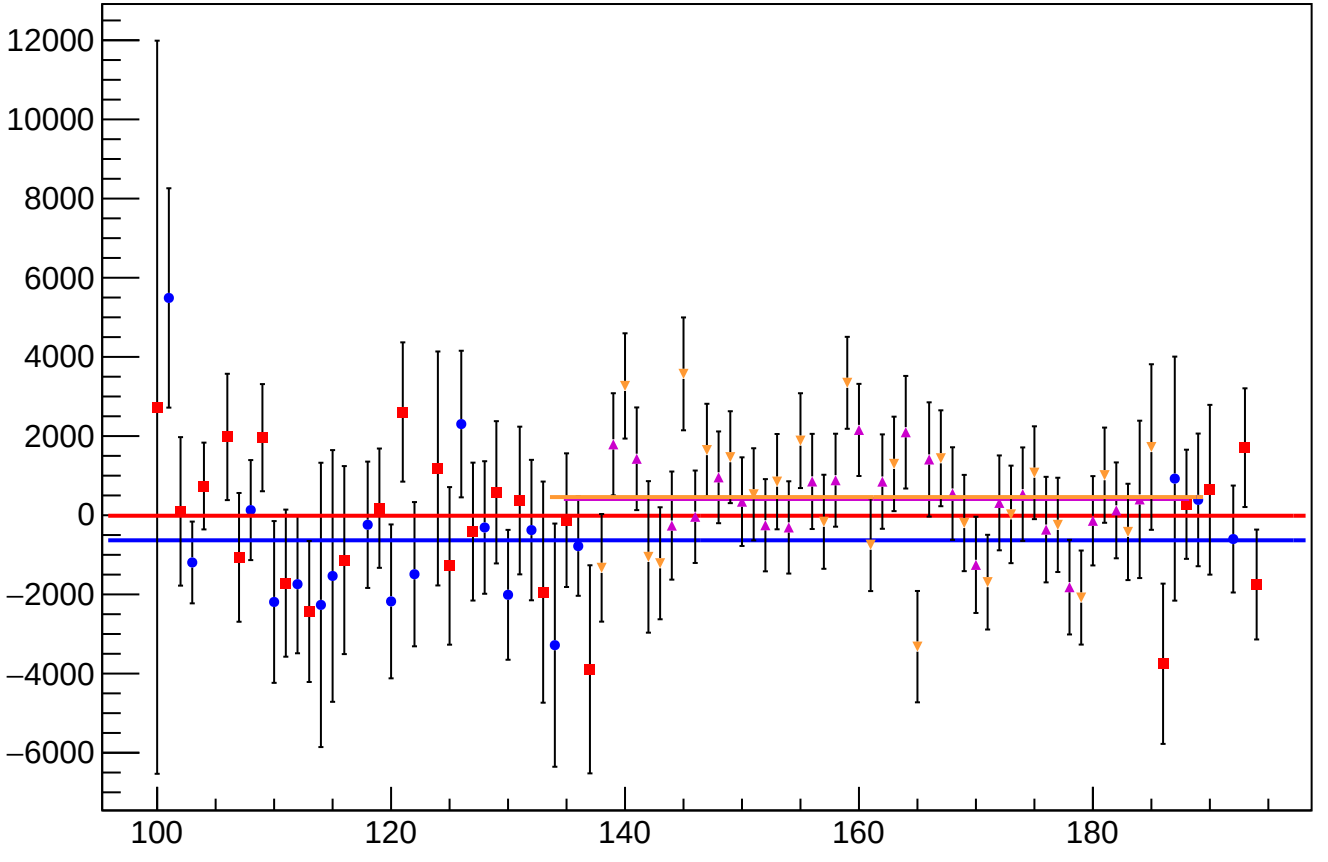
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3546.335+/-0.487 χ^2/NDF: 2877320.9/43

All: 3516.843+/-0.340 χ^2/NDF: 6929912.4/90

- sign 3488.585+/-0.476 χ^2/NDF: 4045399.3/46

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: -12.465+/-356.725 χ^2/NDF: 19.7/23

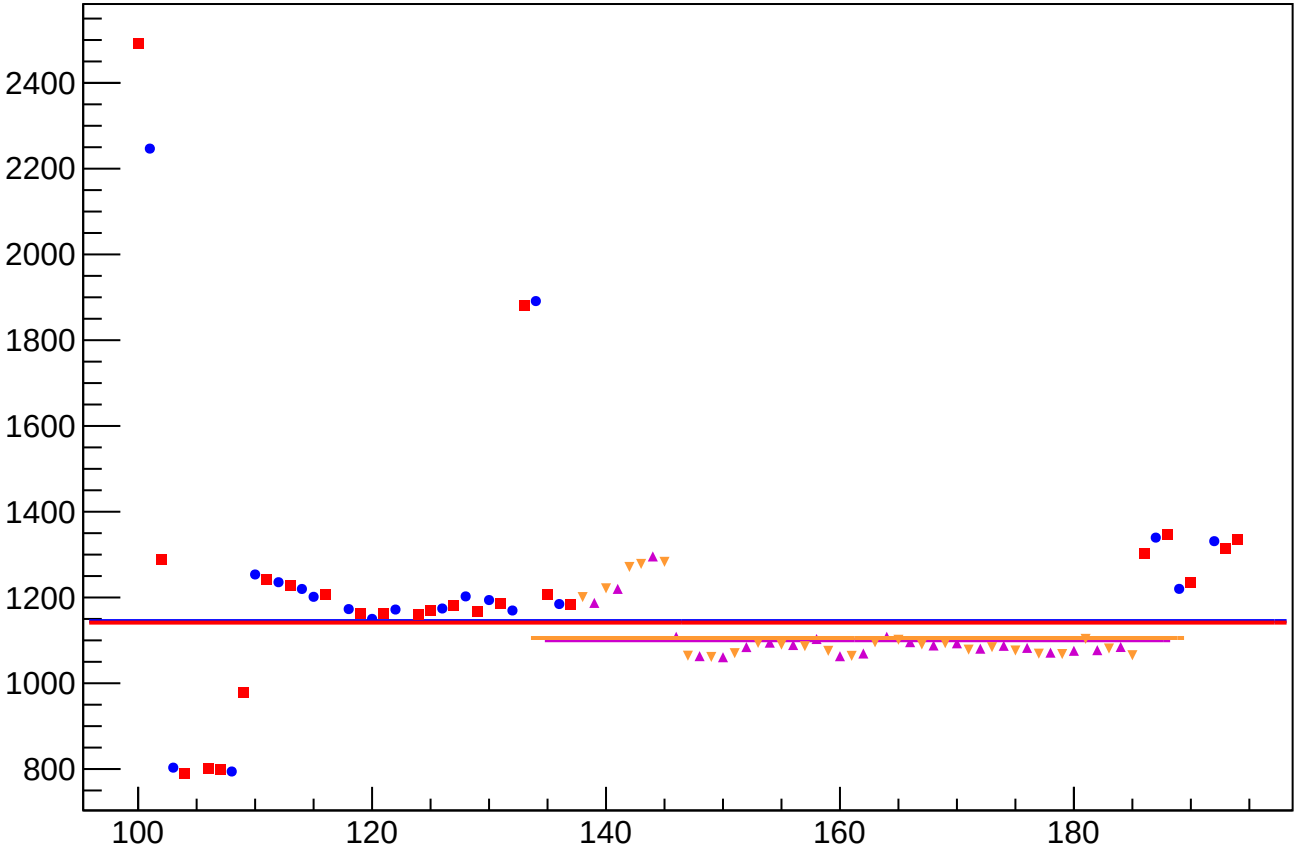
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 141.184+/-211.815 χ^2/NDF: 59.9/43

All: 204.673+/-148.636 χ^2/NDF: 94.4/90

- sign 266.266+/-208.628 χ^2/NDF: 34.3/46

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

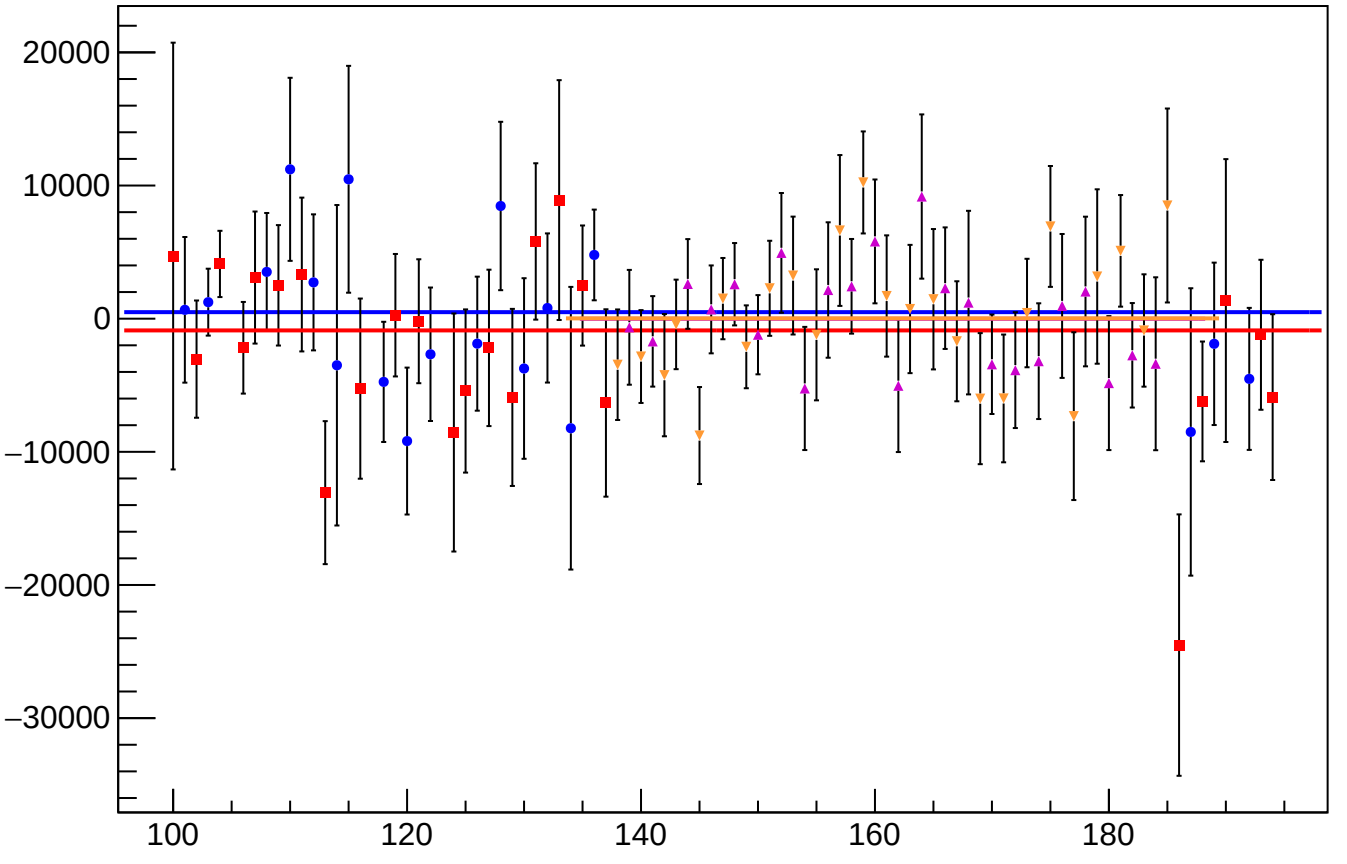
Right Out: 1141.425+/-0.252 χ^2/NDF: 760524.9/23

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1117.016+/-0.150 χ^2/NDF: 1014290.8/43

All: 1115.701+/-0.105 χ^2/NDF: 1872688.6/90

- sign 1114.426+/-0.147 χ^2/NDF: 858245.9/46



Right In: 490.788+/-1171.524 χ^2/NDF: 15.7/18

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -880.963+/-1055.081 χ^2/NDF: 25.4/23

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

\+ sign 184.667+/-688.203 χ^2/NDF: 44.3/43

All: -94.968+/-481.401 χ^2/NDF: 84.4/90

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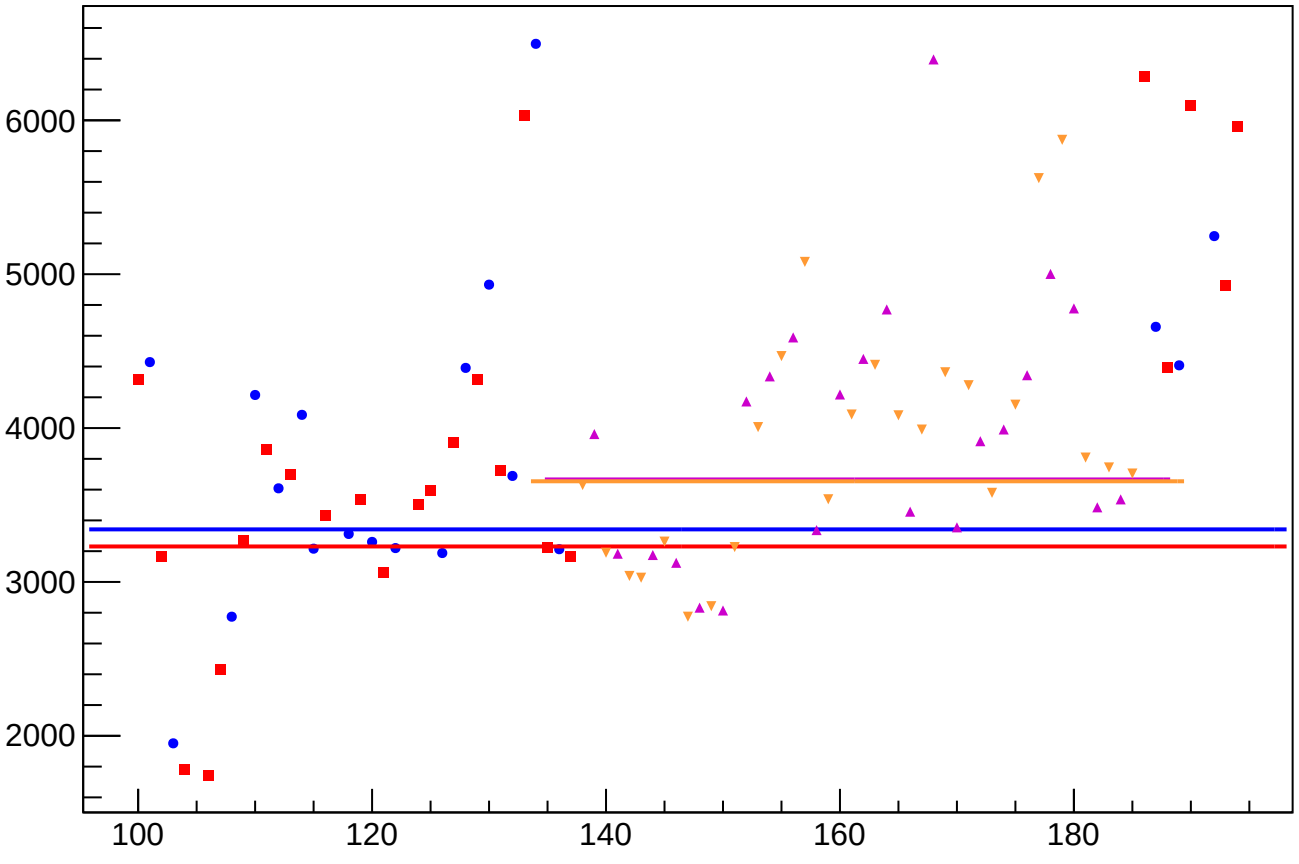

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Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3230.613+/-0.746 χ^2/NDF: 2499842.2/23

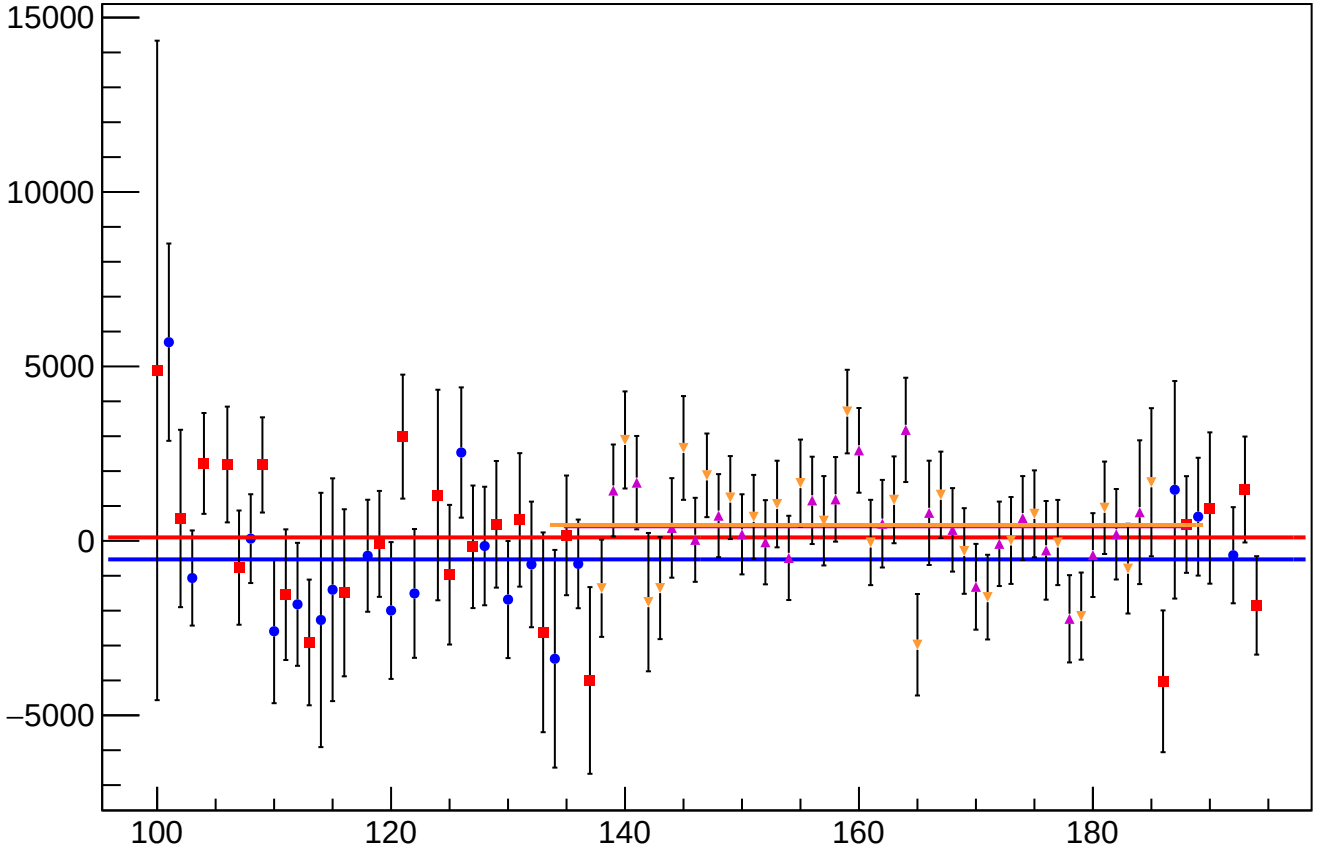
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

\+ sign 3546.335+/-0.487 χ^2/NDF: 2877320.9/43

All: 3516.843+/-0.340 χ^2/NDF: 6929912.4/90

\- sign 3488.585+/-0.476 χ^2/NDF: 4045399.3/46

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: 99.550+/-372.397 χ^2/NDF: 24.2/23

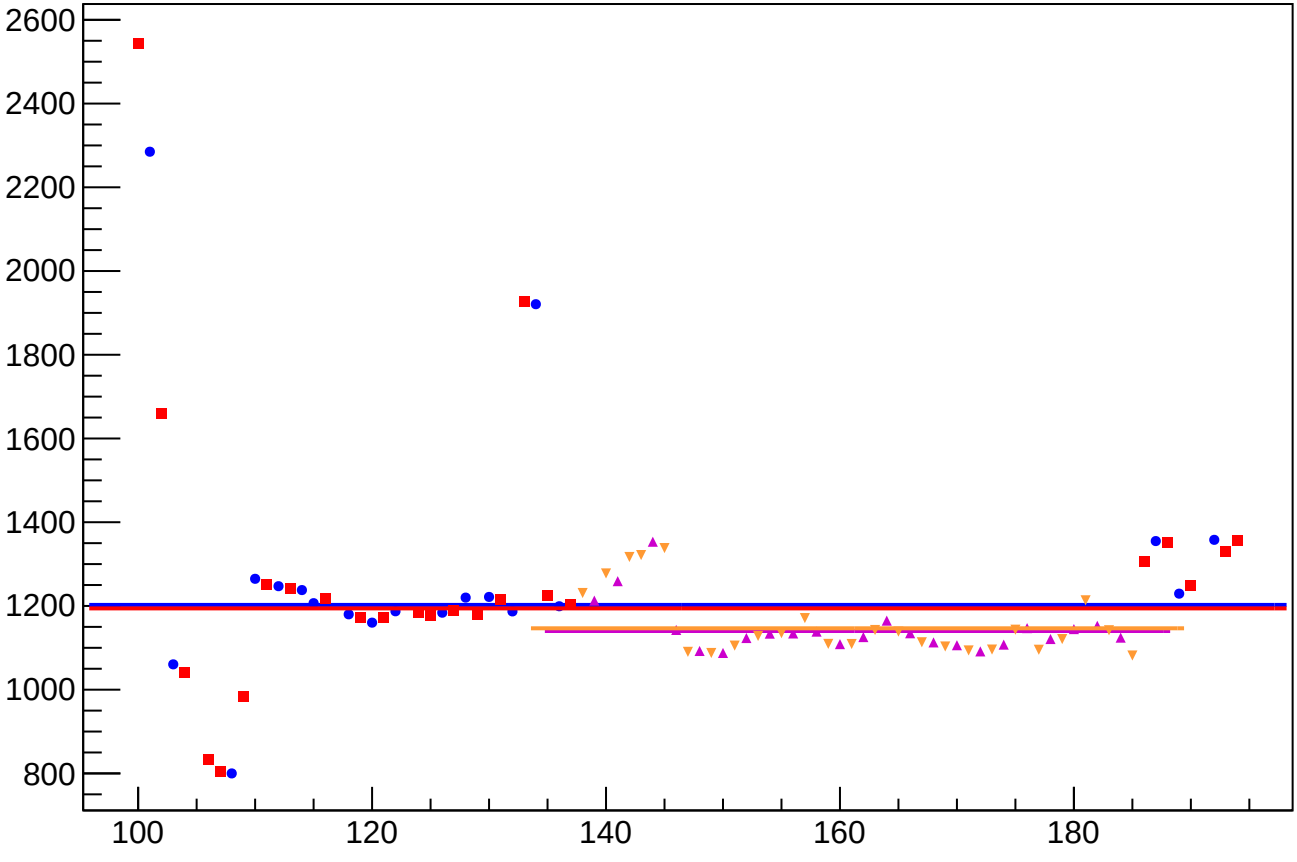
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 171.194+/-220.162 χ^2/NDF: 53.2/43

All: 241.460+/-154.463 χ^2/NDF: 95.4/90

- sign 309.575+/-216.766 χ^2/NDF: 42.0/46

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: 1194.170+/-0.263 χ^2/NDF: 599787.8/23

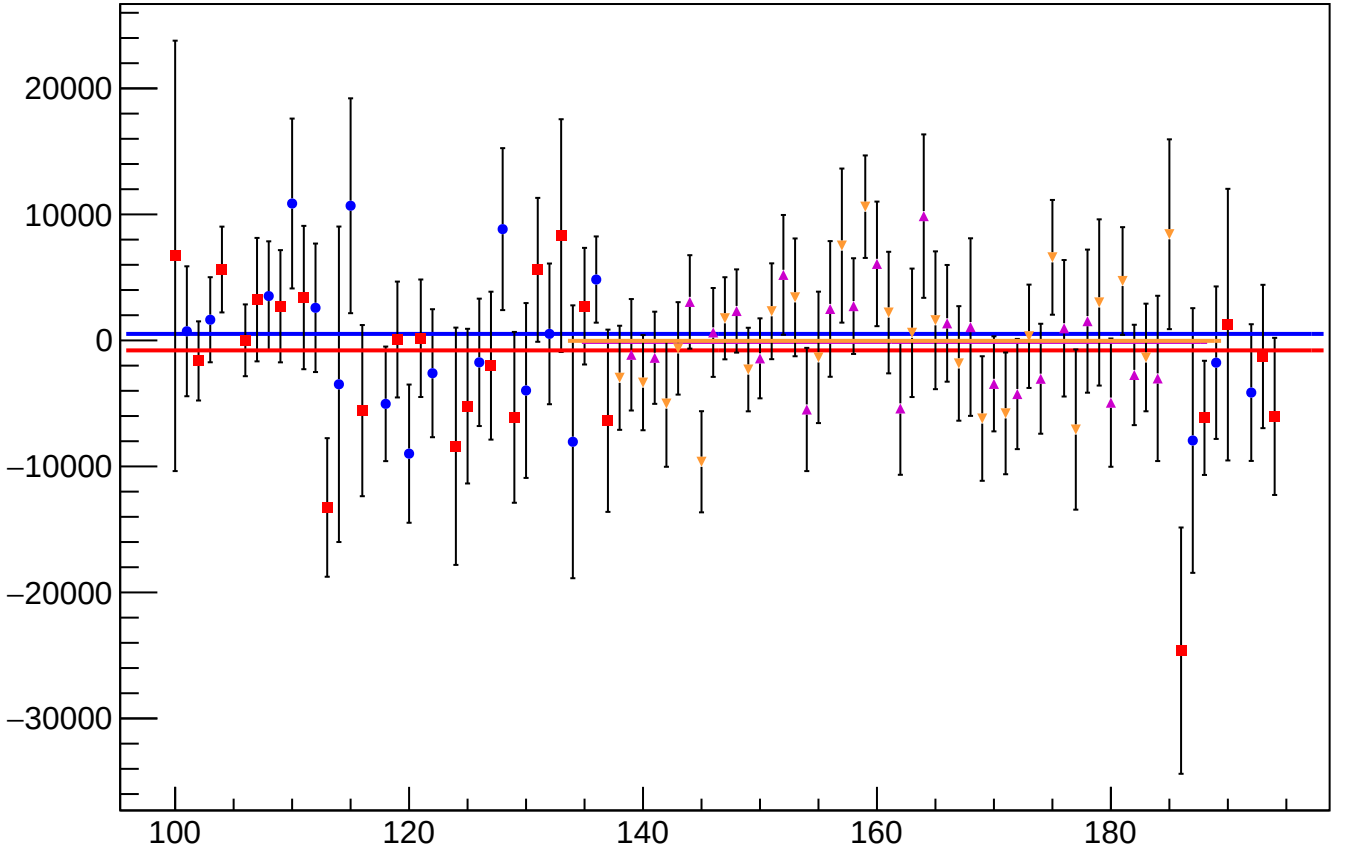
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1162.729+/-0.156 χ^2/NDF: 824679.3/43

All: 1160.568+/-0.109 χ^2/NDF: 1537403.8/90

- sign 1158.473+/-0.153 χ^2/NDF: 712344.9/46

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 516.734+/-1231.037 χ^2/NDF: 15.5/18

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -791.373+/-1050.270 χ^2/NDF: 24.8/23

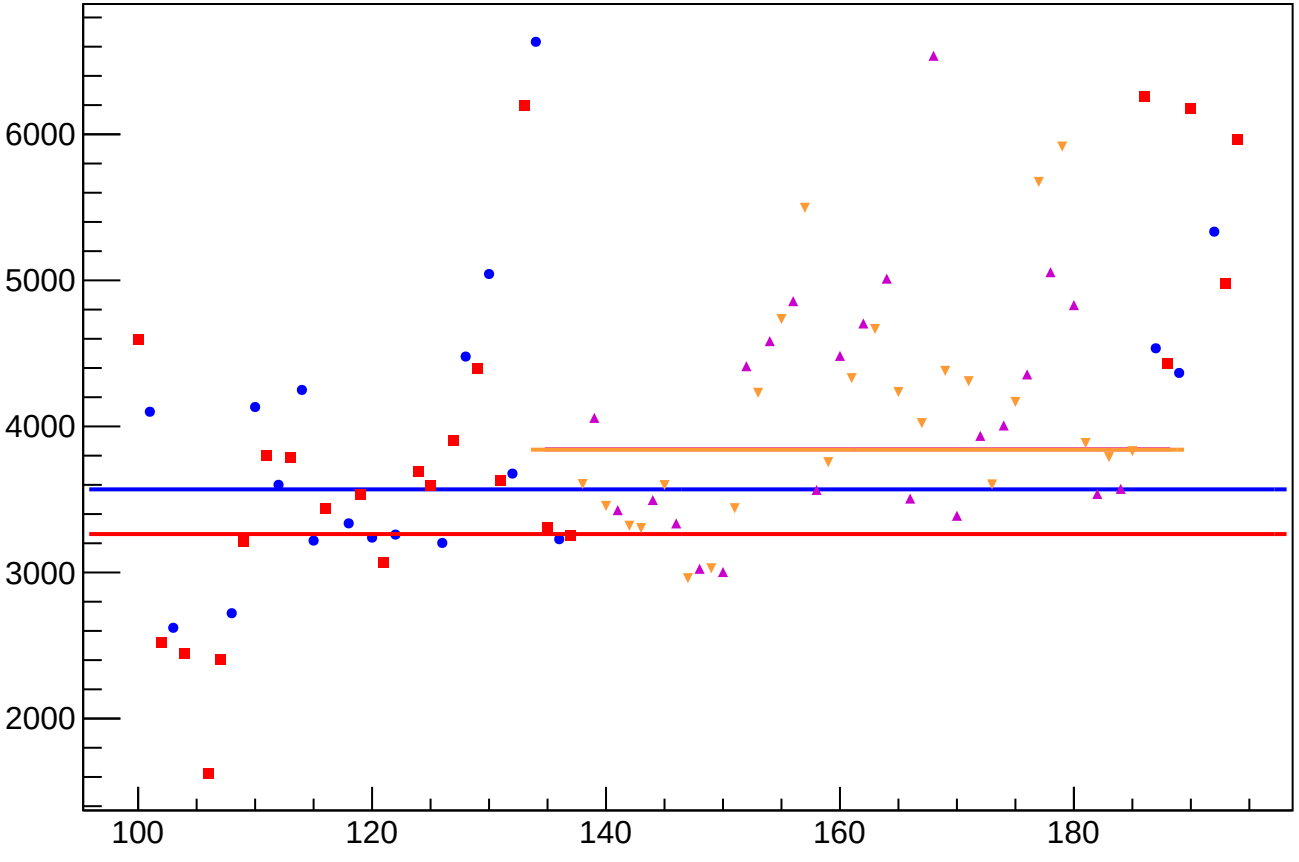
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 155.725+/-721.978 χ^2/NDF: 43.4/43

All: -140.143+/-498.905 χ^2/NDF: 82.5/90

- sign -410.548+/-690.210 χ^2/NDF: 38.8/46

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: 3263.111+/-0.743 χ^2/NDF: 2334024.4/23

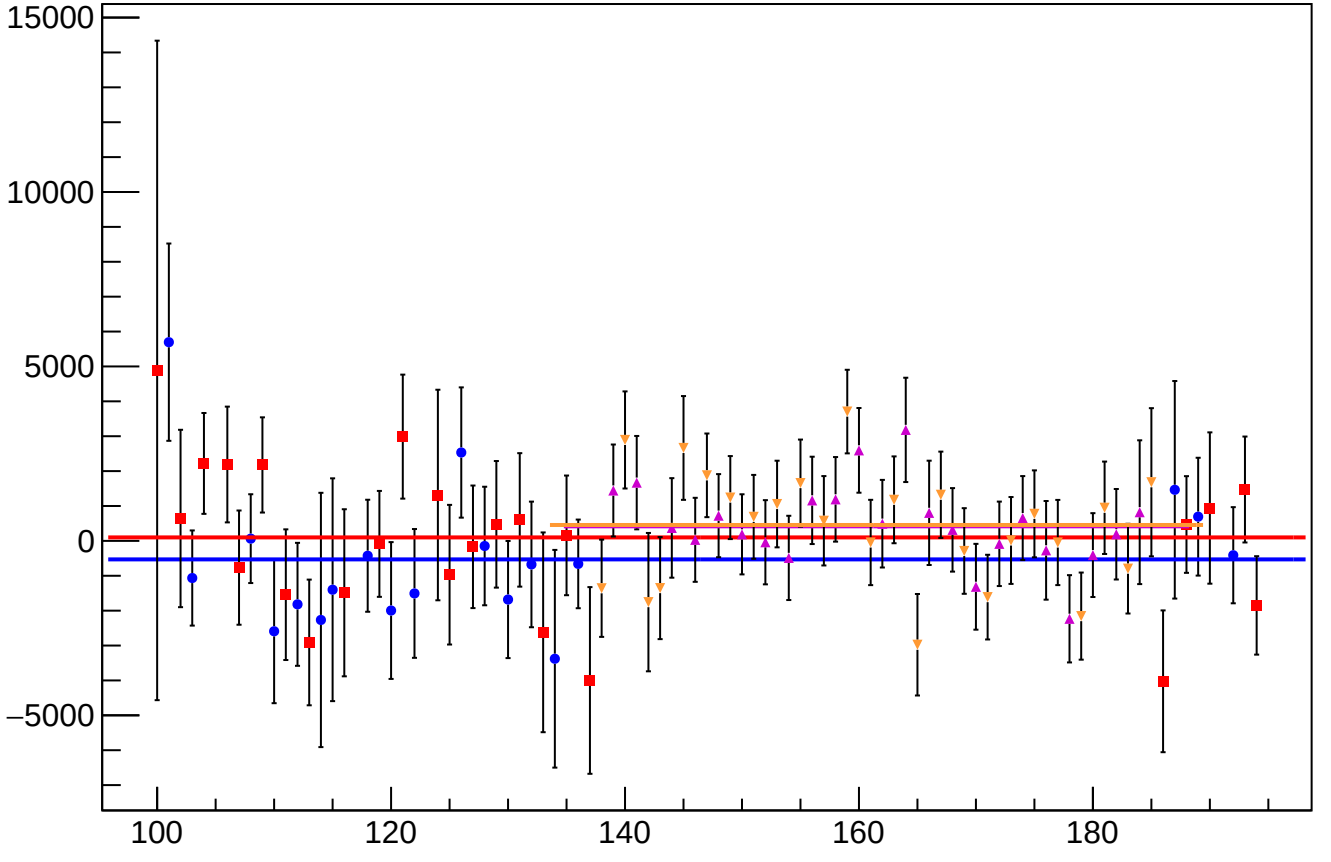
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3747.364+/-0.511 χ^2/NDF: 2065943.1/43

All: 3666.578+/-0.353 χ^2/NDF: 5990729.9/90

- sign 3592.746+/-0.488 χ^2/NDF: 3876860.1/46

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: 99.554+/-372.397 χ^2/NDF: 24.2/23

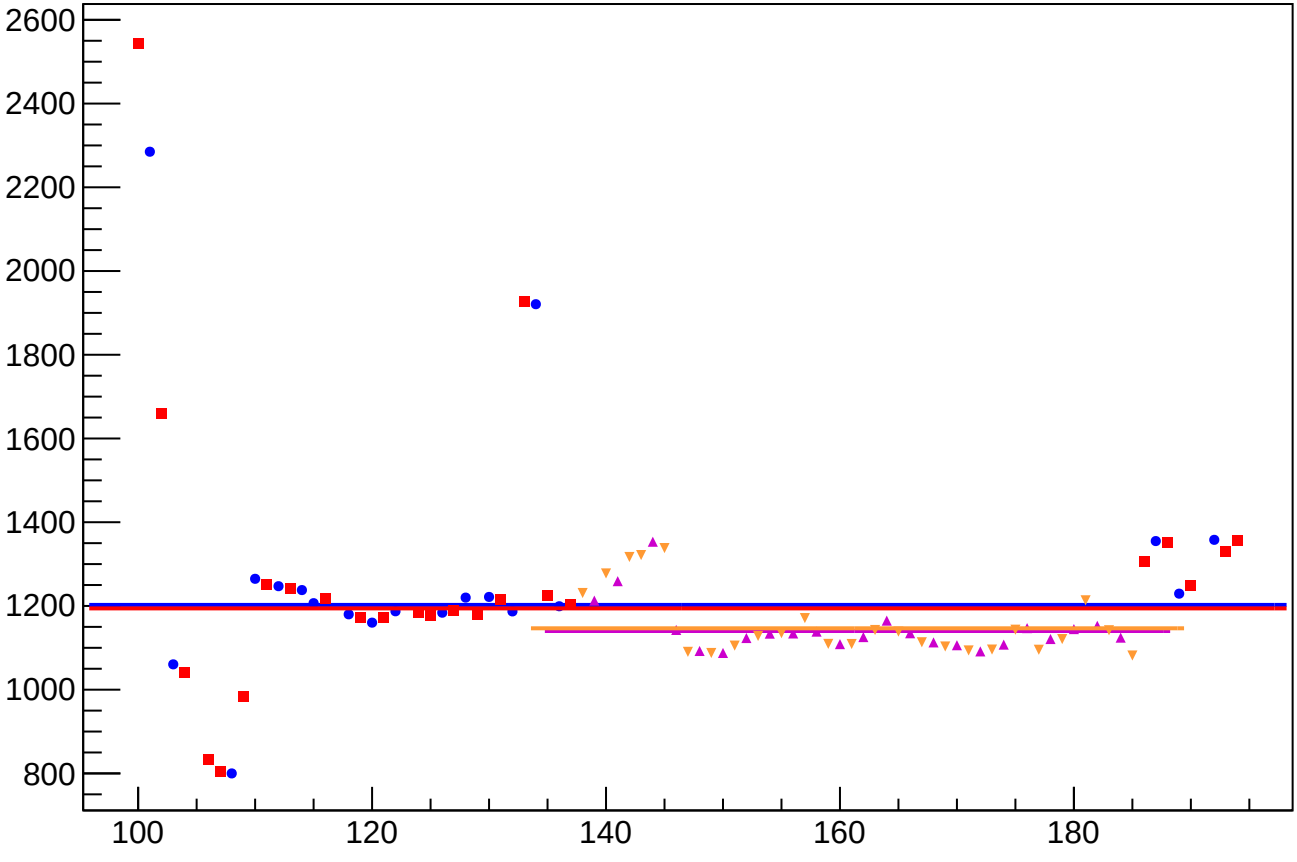
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 171.196+/-220.162 χ^2/NDF: 53.2/43

All: 241.461+/-154.464 χ^2/NDF: 95.4/90

- sign 309.575+/-216.766 χ^2/NDF: 42.0/46

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

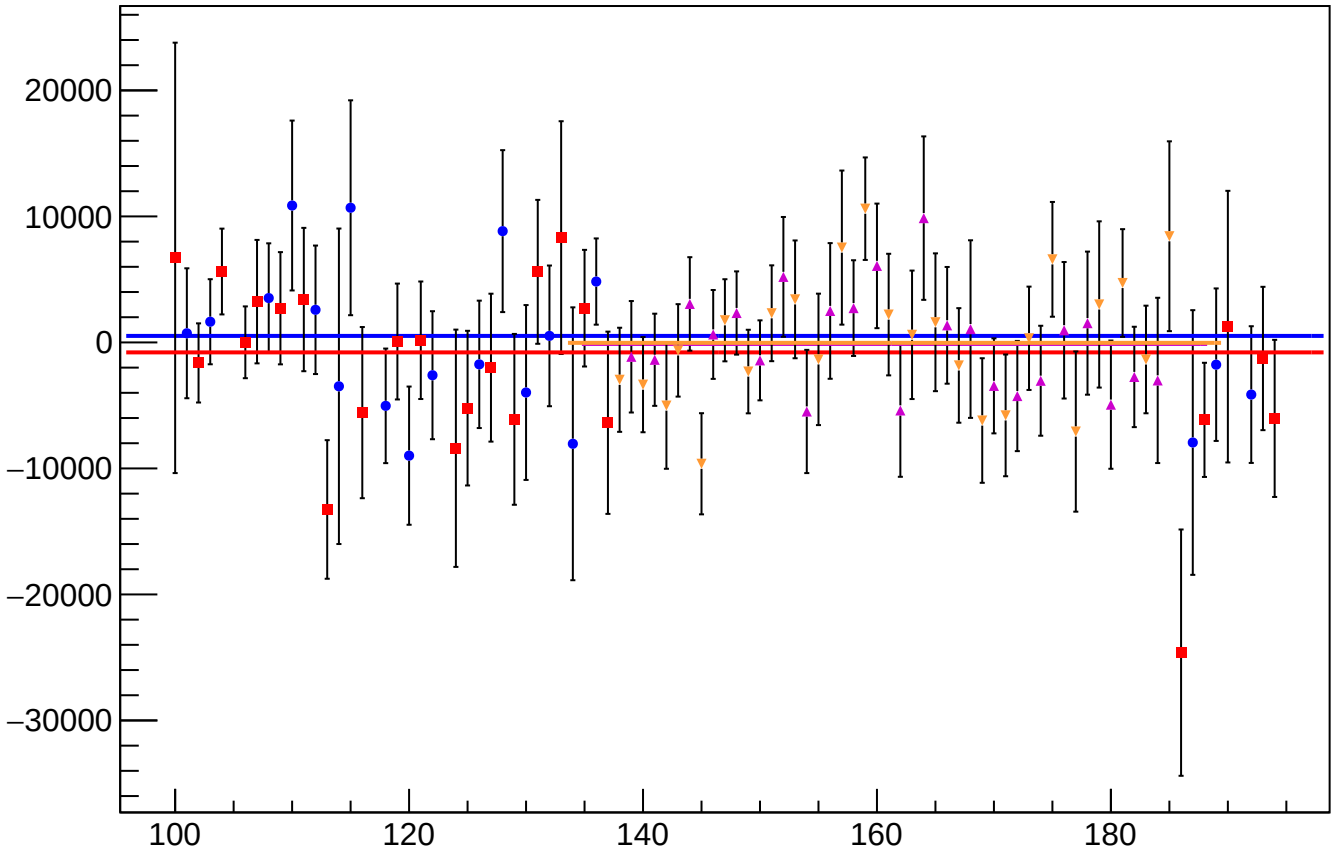
Right Out: 1194.170+/-0.263 χ^2/NDF: 599787.1/23

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1162.729+/-0.156 χ^2/NDF: 824678.6/43

All: 1160.568+/-0.109 χ^2/NDF: 1537401.5/90

- sign 1158.474+/-0.153 χ^2/NDF: 712343.4/46



Right In: 516.719+/-1231.036 χ^2/NDF: 15.5/18

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

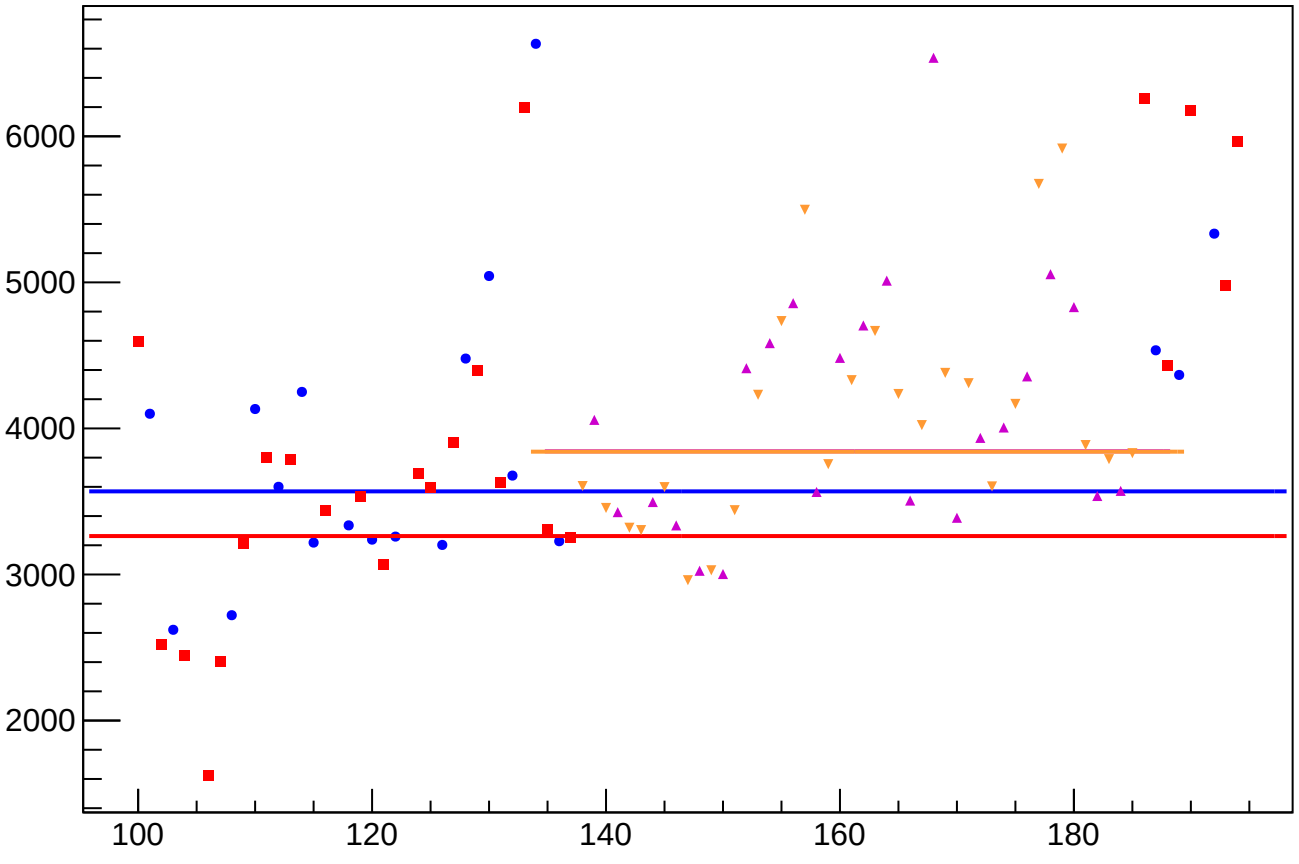
Right Out: -791.364+/-1050.269 χ^2/NDF: 24.8/23

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 155.722+/-721.979 χ^2/NDF: 43.4/43

All: -140.145+/-498.905 χ^2/NDF: 82.5/90

- sign -410.547+/-690.210 χ^2/NDF: 38.8/46



Right In: 3569.090+/-0.870 χ^2/NDF: 883342.6/18

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

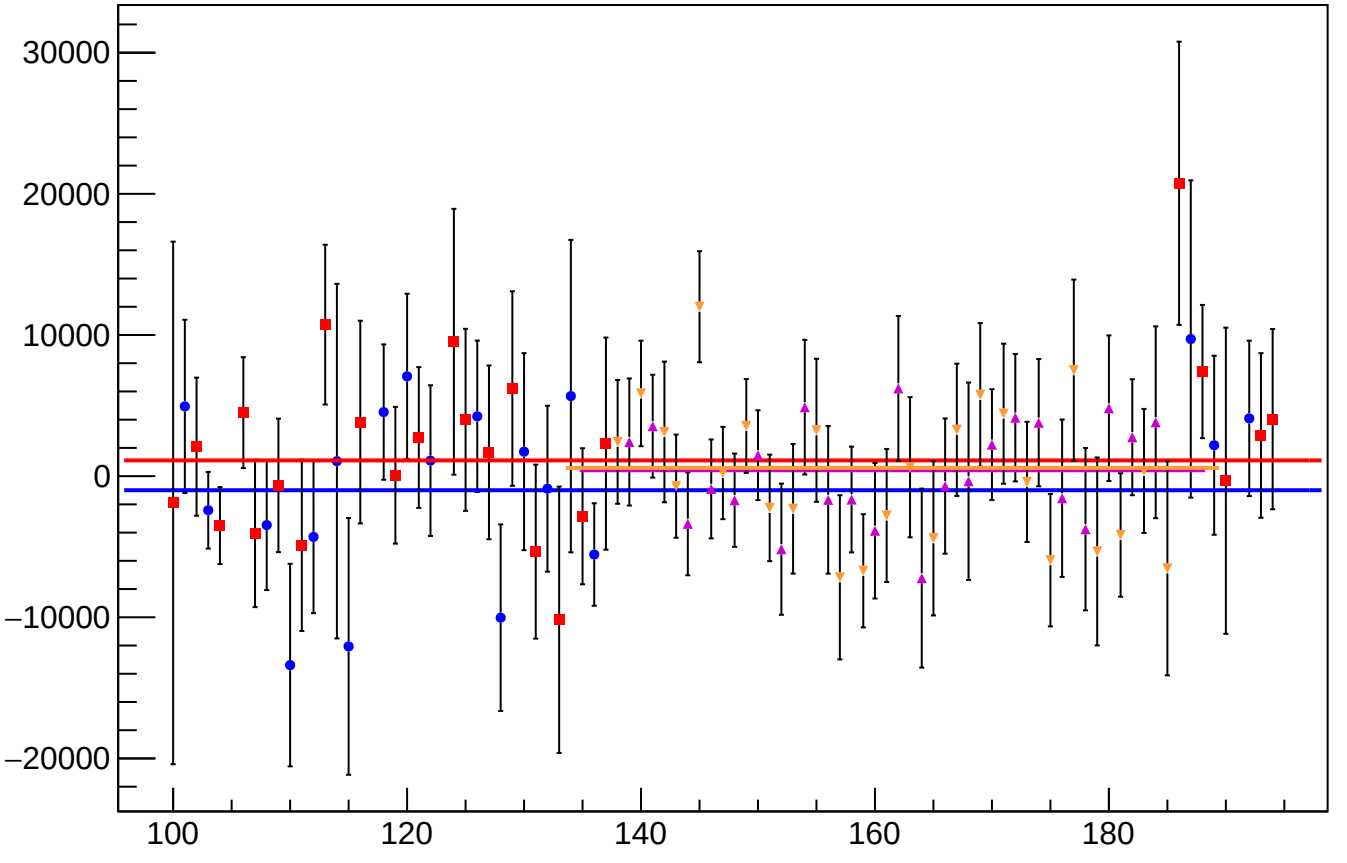
Right Out: 3263.106+/-0.743 χ^2/NDF: 2334029.9/23

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3747.366+/-0.511 χ^2/NDF: 2065946.6/43

All: 3666.579+/-0.353 χ^2/NDF: 5990755.9/90

- sign 3592.746+/-0.488 χ^2/NDF: 3876881.2/46



Right In: -997.407+/-1244.260 χ^2/NDF: 16.7/18

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 1114.339+/-1129.078 χ^2/NDF: 19.7/23

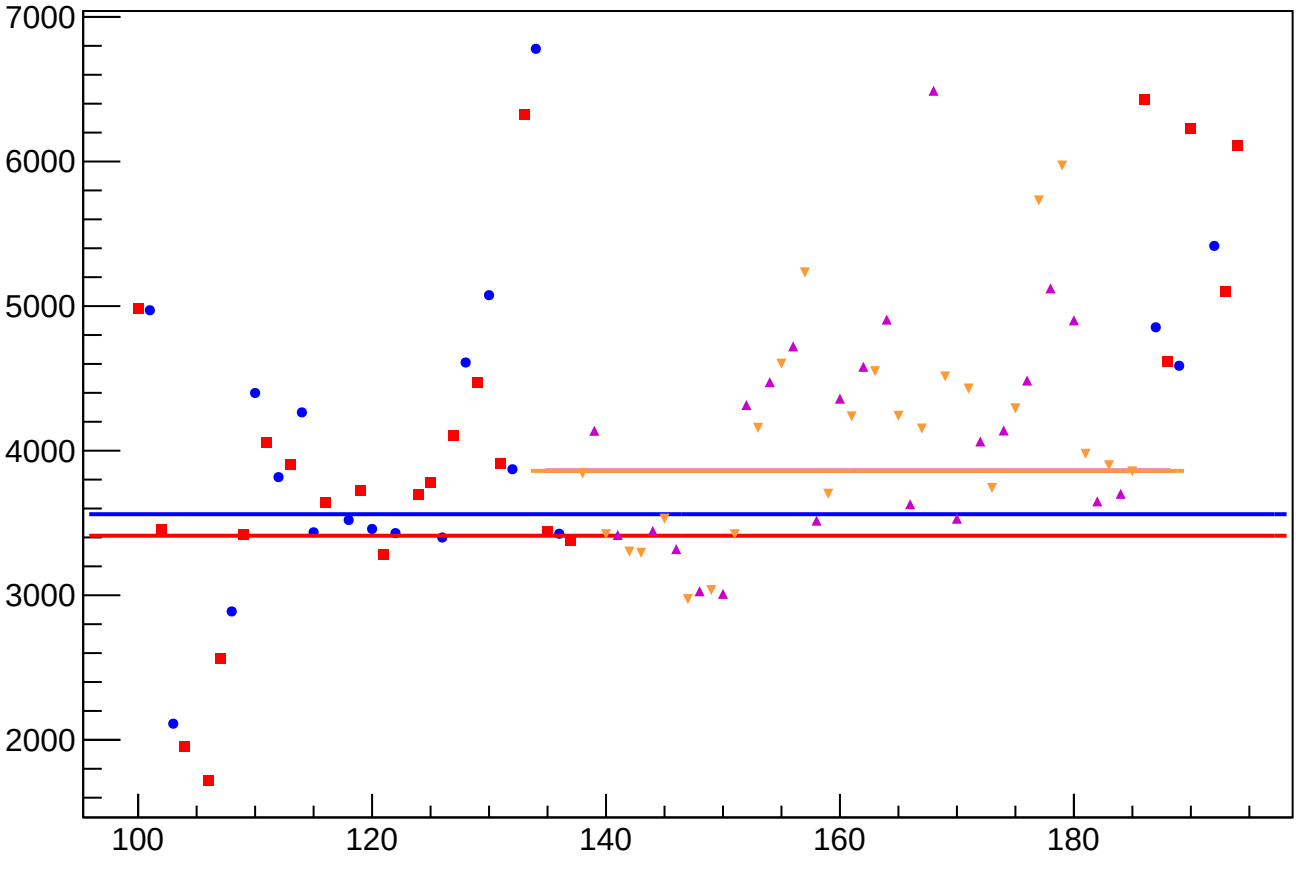
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

\+ sign 44.381+/-726.510 χ^2/NDF: 45.2/43

All: 375.793+/-508.785 χ^2/NDF: 78.0/90

\- sign 694.770+/-712.750 χ^2/NDF: 32.4/46

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

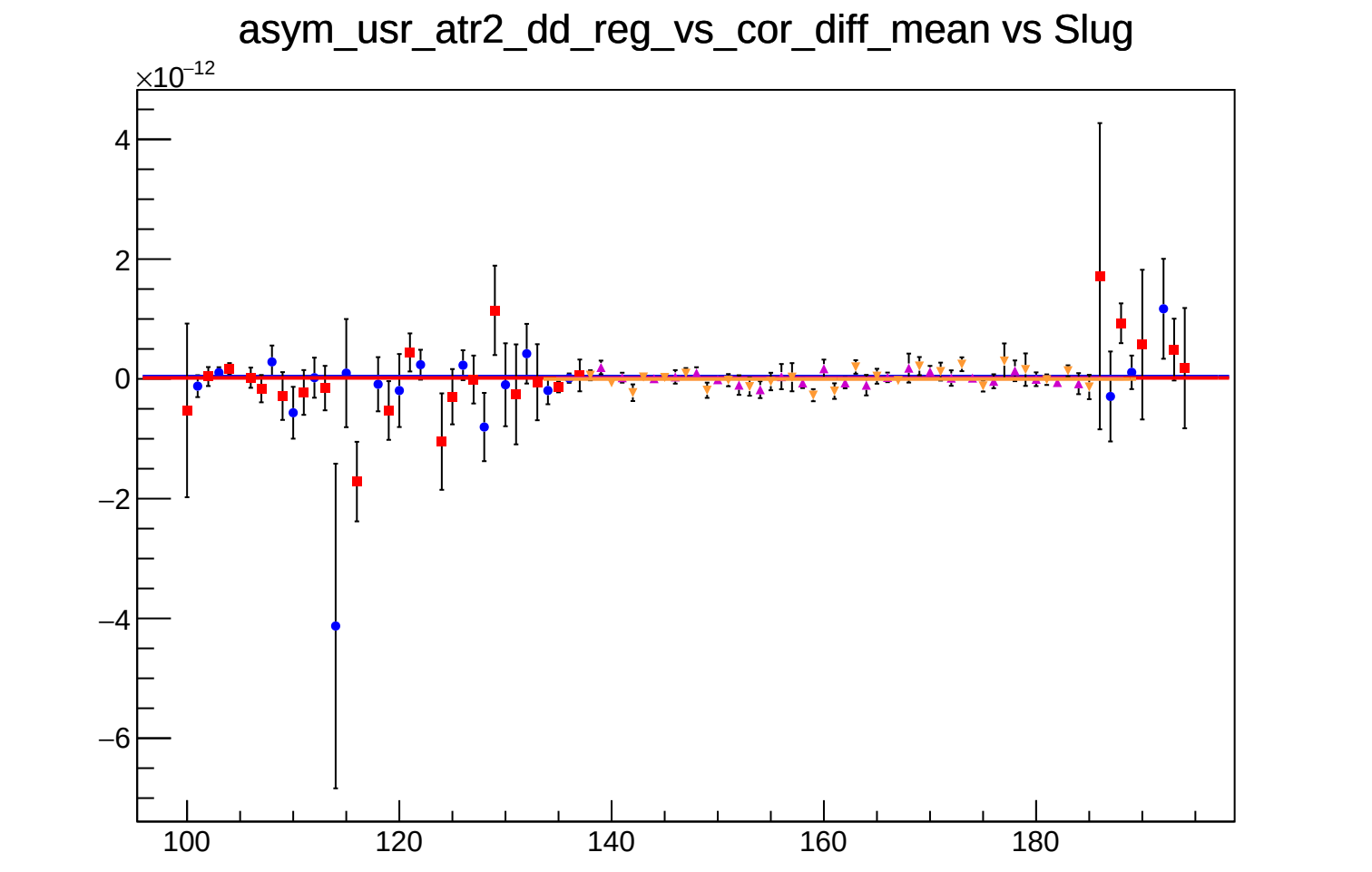
Right Out: 3411.851+/-0.787 χ^2/NDF: 2445428.3/23

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 3758.297+/-0.514 χ^2/NDF: 2561352.4/43

All: 3718.020+/-0.359 χ^2/NDF: 6355790.3/90

- sign 3679.701+/-0.501 χ^2/NDF: 3782443.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

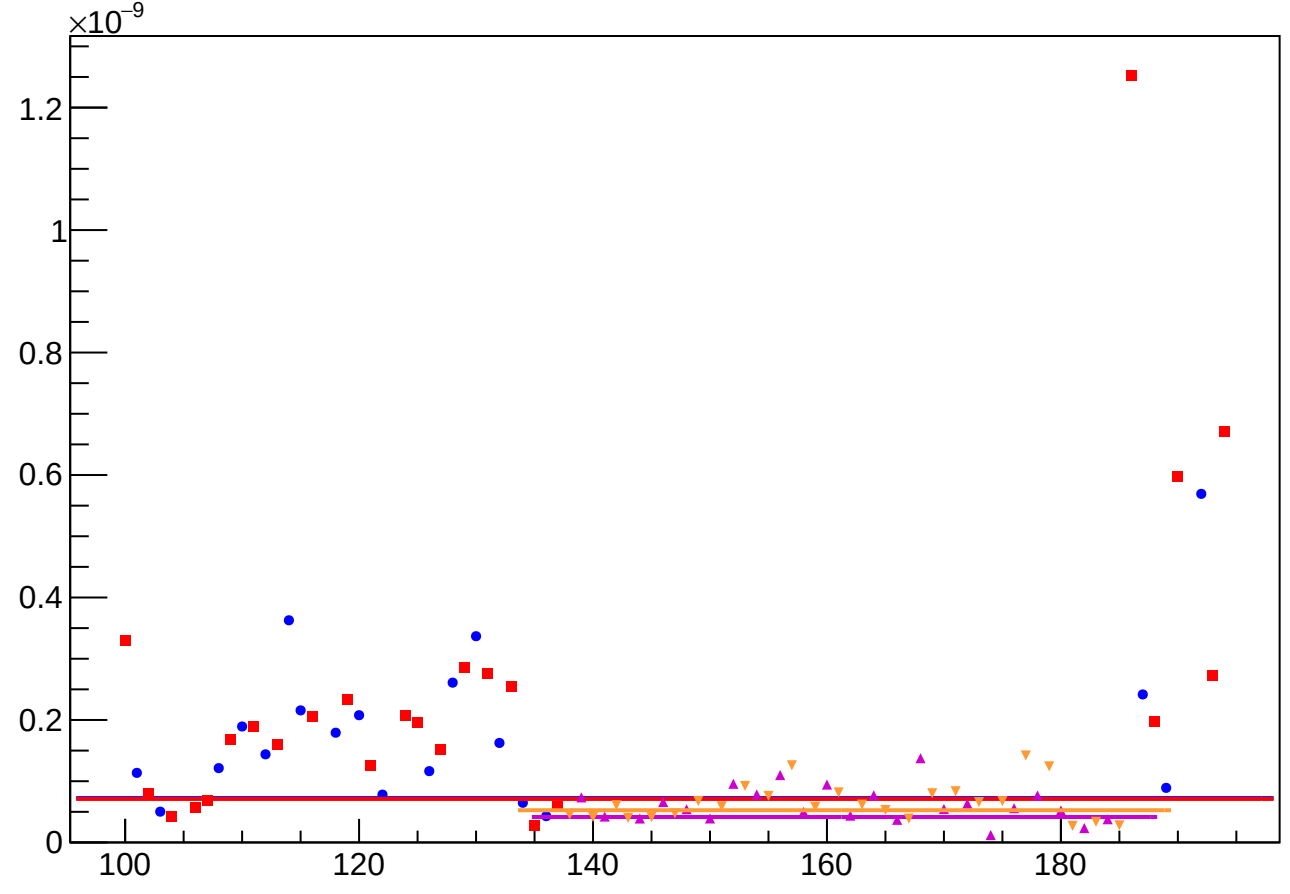
Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/23

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.8/43

All: 0.000+/-0.000 χ^2/NDF: 92.9/90

- sign 0.000+/-0.000 χ^2/NDF: 44.1/46



Right In: 0.000+/-0.000 χ^2/NDF: 2554588.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4388772.7/23

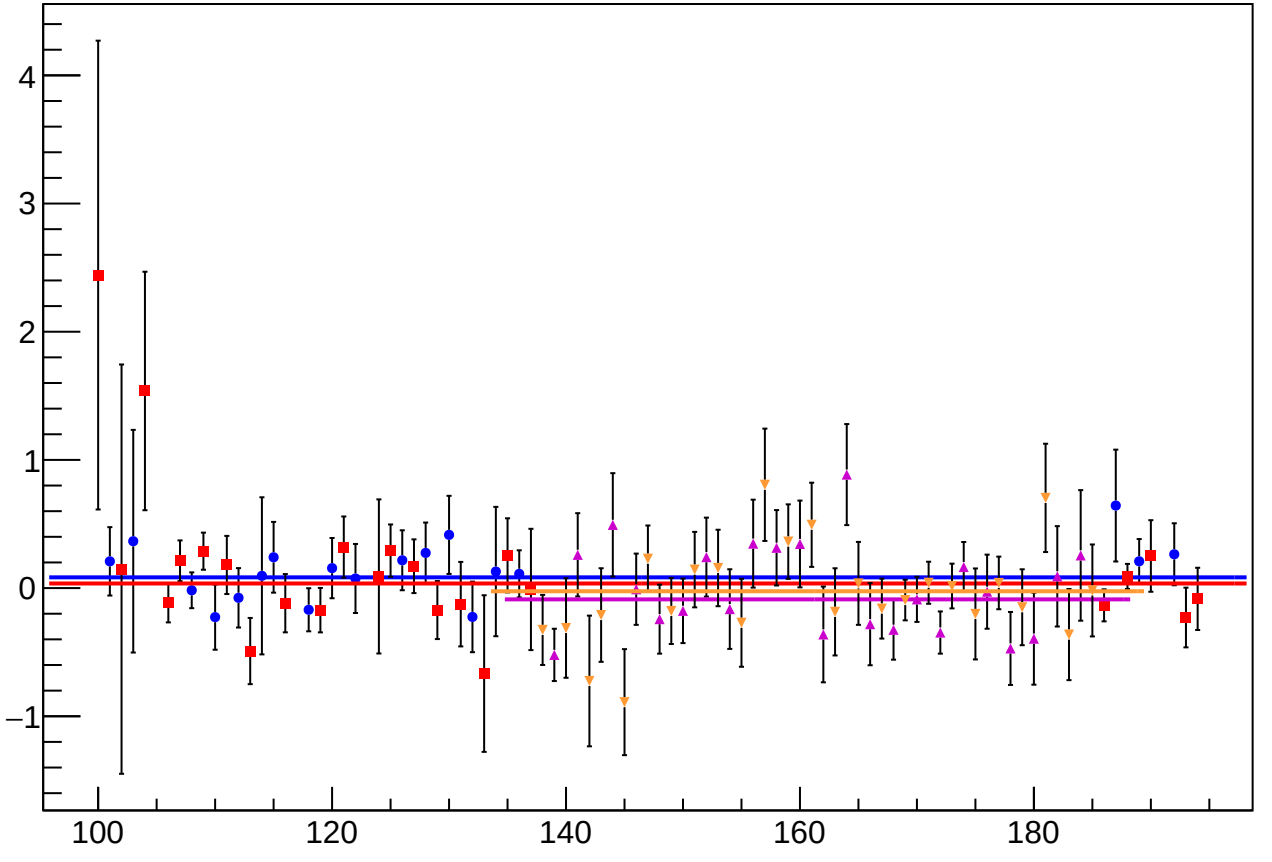
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4449295.9/43

All: 0.000+/-0.000 χ^2/NDF: 12704226.7/90

- sign 0.000+/-0.000 χ^2/NDF: 7960560.9/46

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: 0.036+/-0.043 χ^2/NDF: 26.8/23

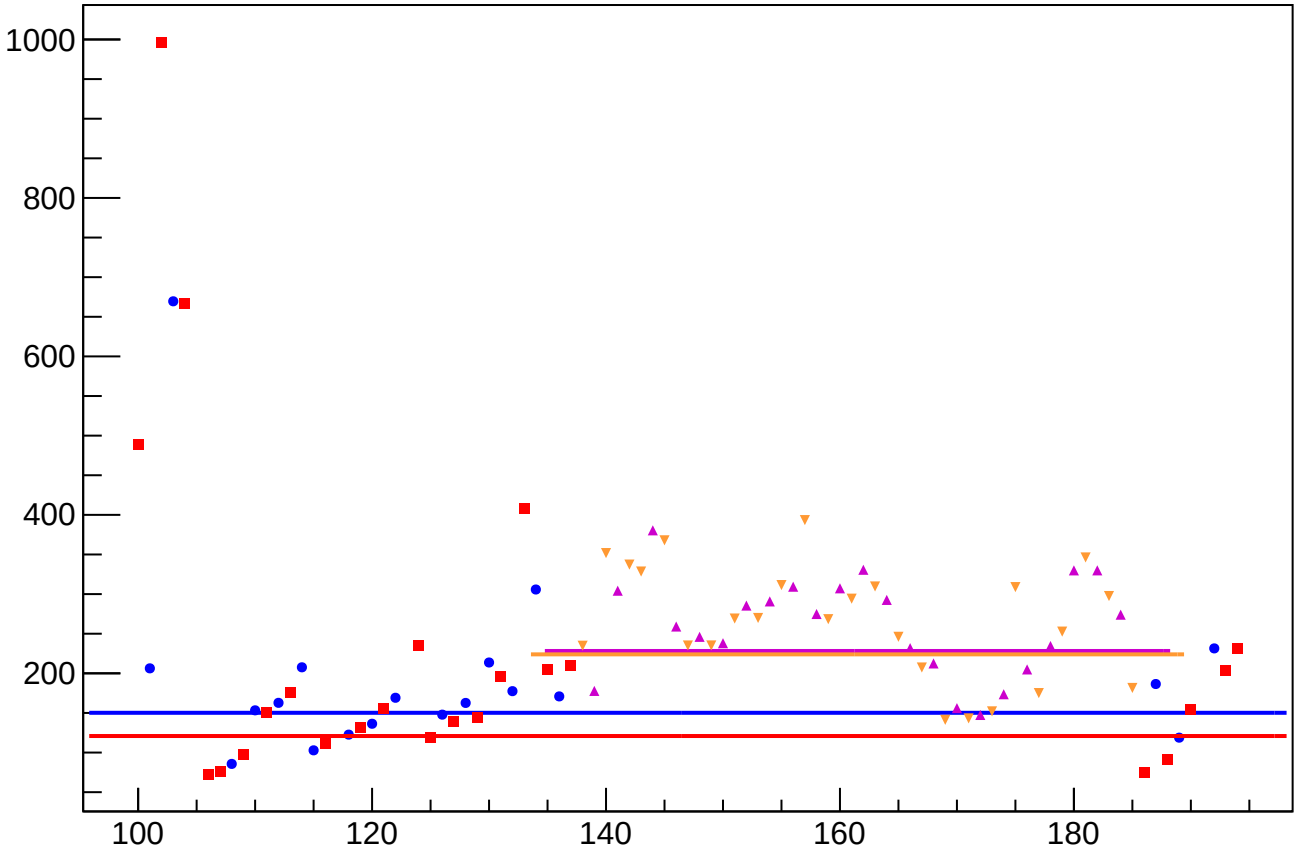
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.029+/-0.039 χ^2/NDF: 37.7/43

All: 0.008+/-0.026 χ^2/NDF: 98.1/90

- sign -0.009+/-0.034 χ^2/NDF: 59.9/46

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: 120.868+/-0.030 χ^2/NDF: 4028802.6/23

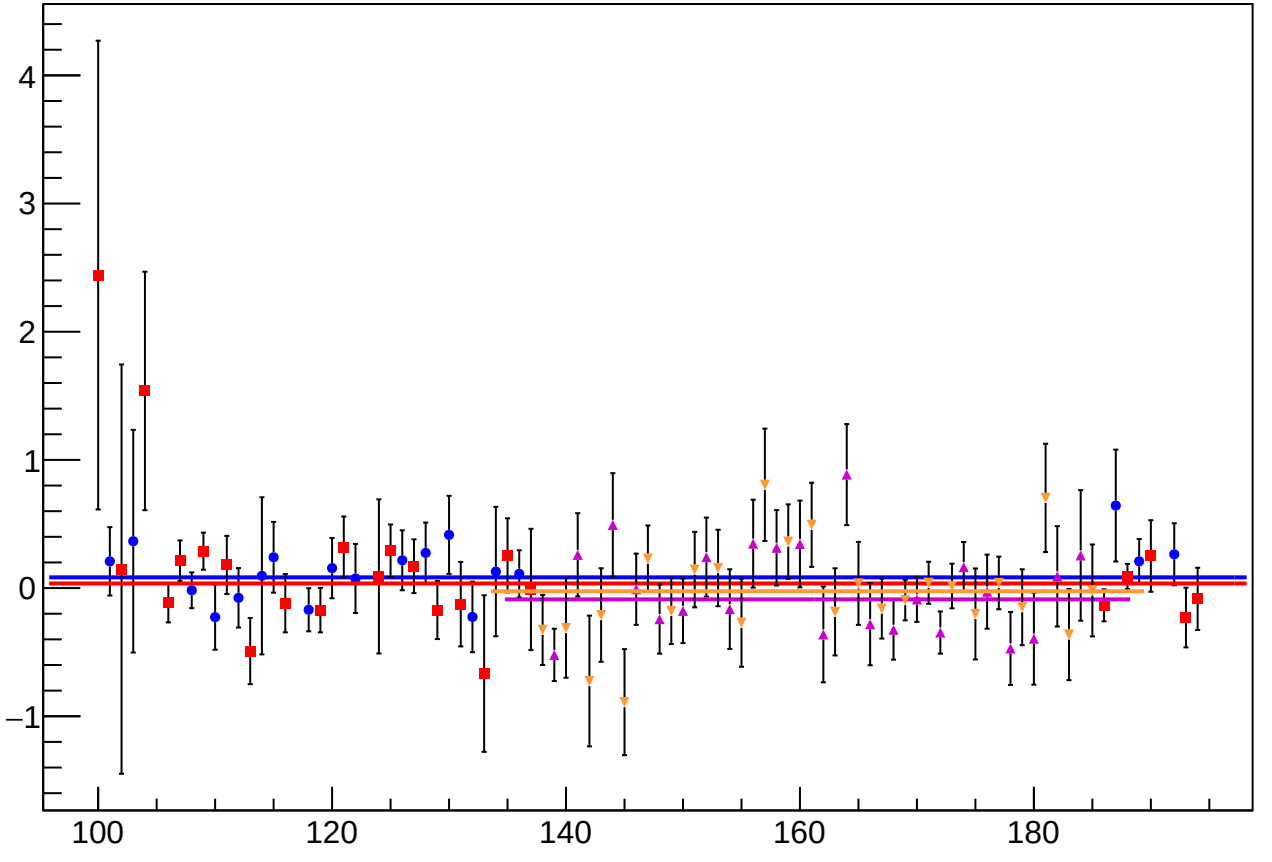
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 187.197+/-0.027 χ^2/NDF: 7274280.5/43

All: 171.648+/-0.018 χ^2/NDF: 18952633.6/90

- sign 159.605+/-0.024 χ^2/NDF: 11104729.5/46

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: 0.036+/-0.043 χ^2/NDF: 26.8/23

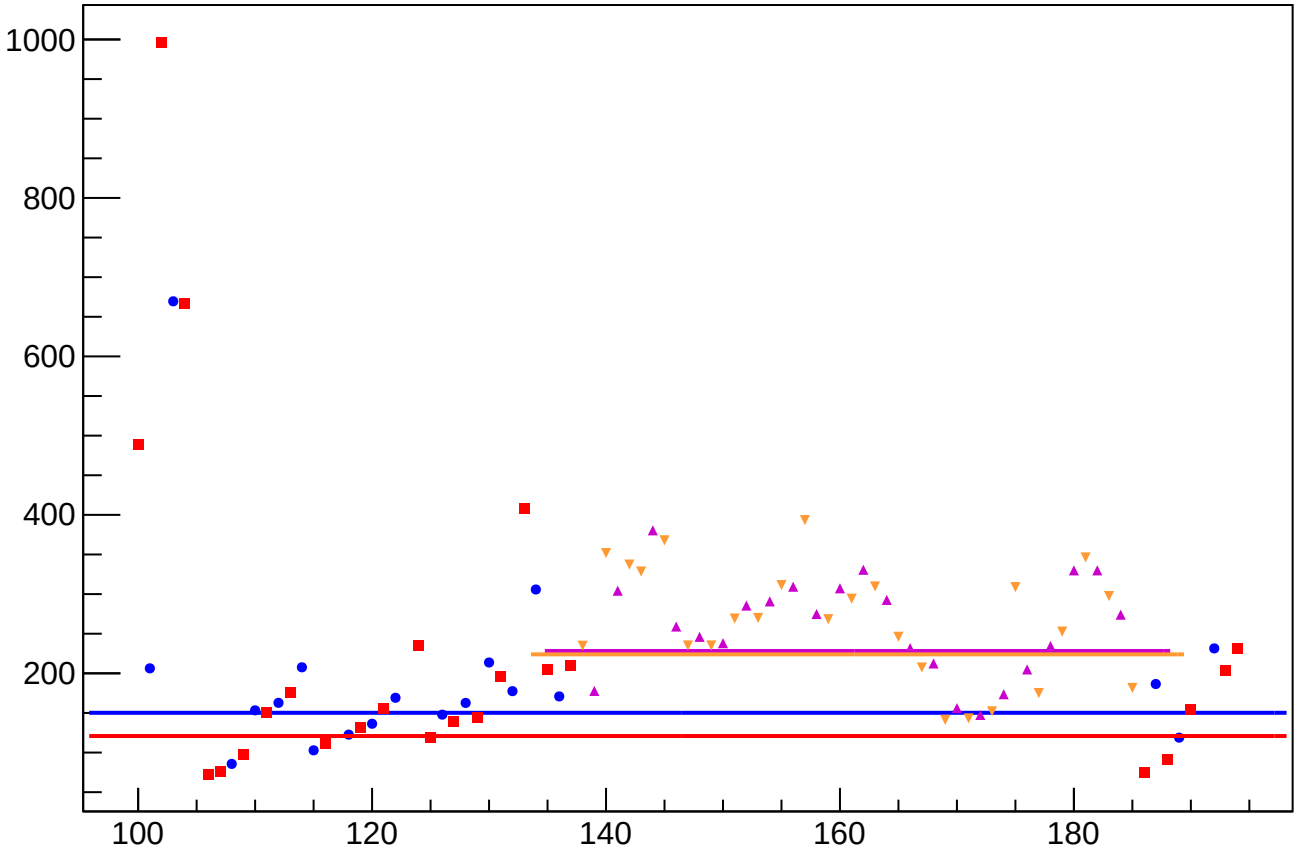
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.029+/-0.039 χ^2/NDF: 37.7/43

All: 0.008+/-0.026 χ^2/NDF: 98.1/90

- sign -0.009+/-0.034 χ^2/NDF: 59.9/46

asym_usr_atr2_dd_dit_vs_eigen_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

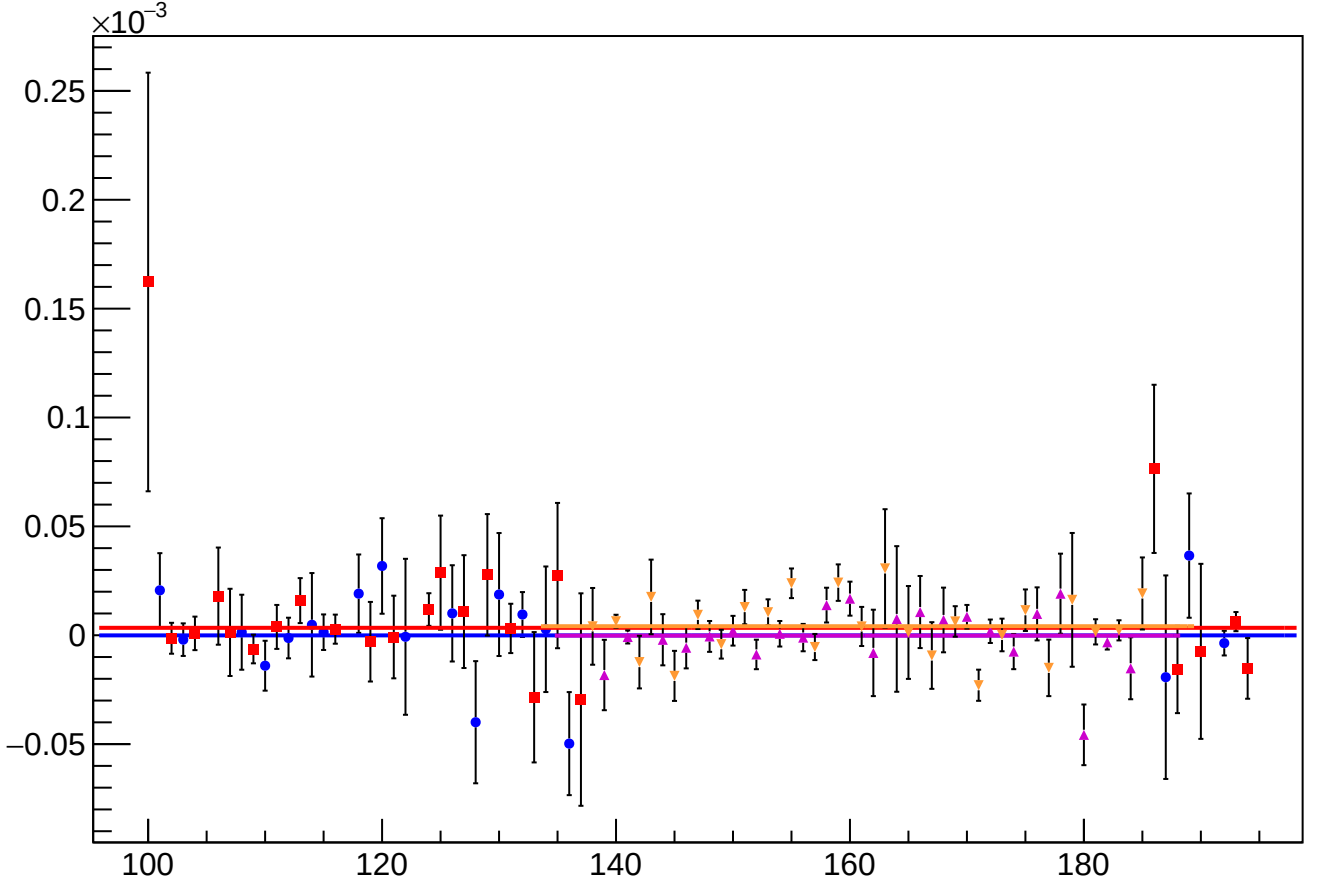
Right Out: 120.868+/-0.030 χ^2/NDF: 4028802.6/23

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 187.197+/-0.027 χ^2/NDF: 7274280.5/43

All: 171.648+/-0.018 χ^2/NDF: 18952633.6/90

- sign 159.605+/-0.024 χ^2/NDF: 11104729.5/46



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

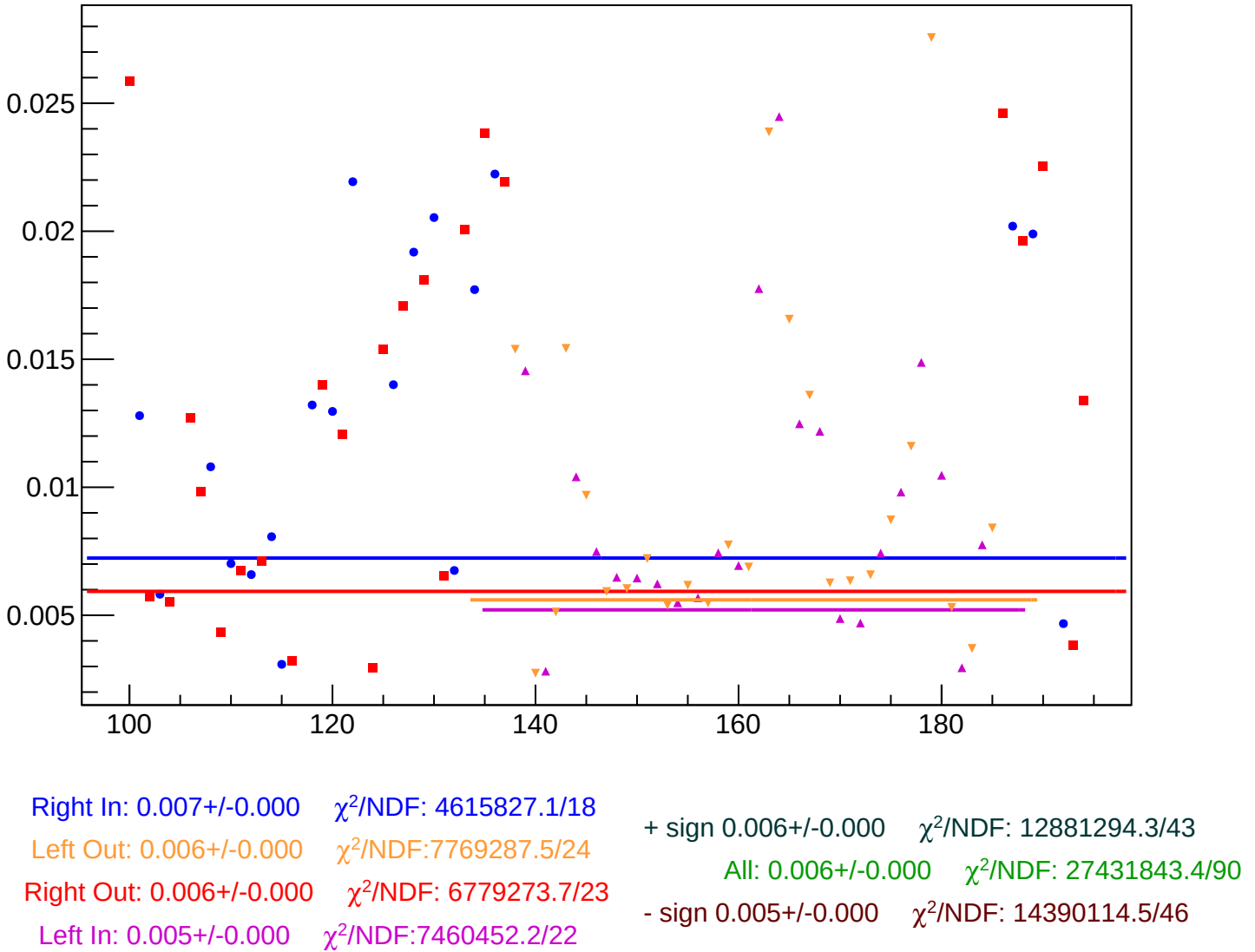
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/23

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

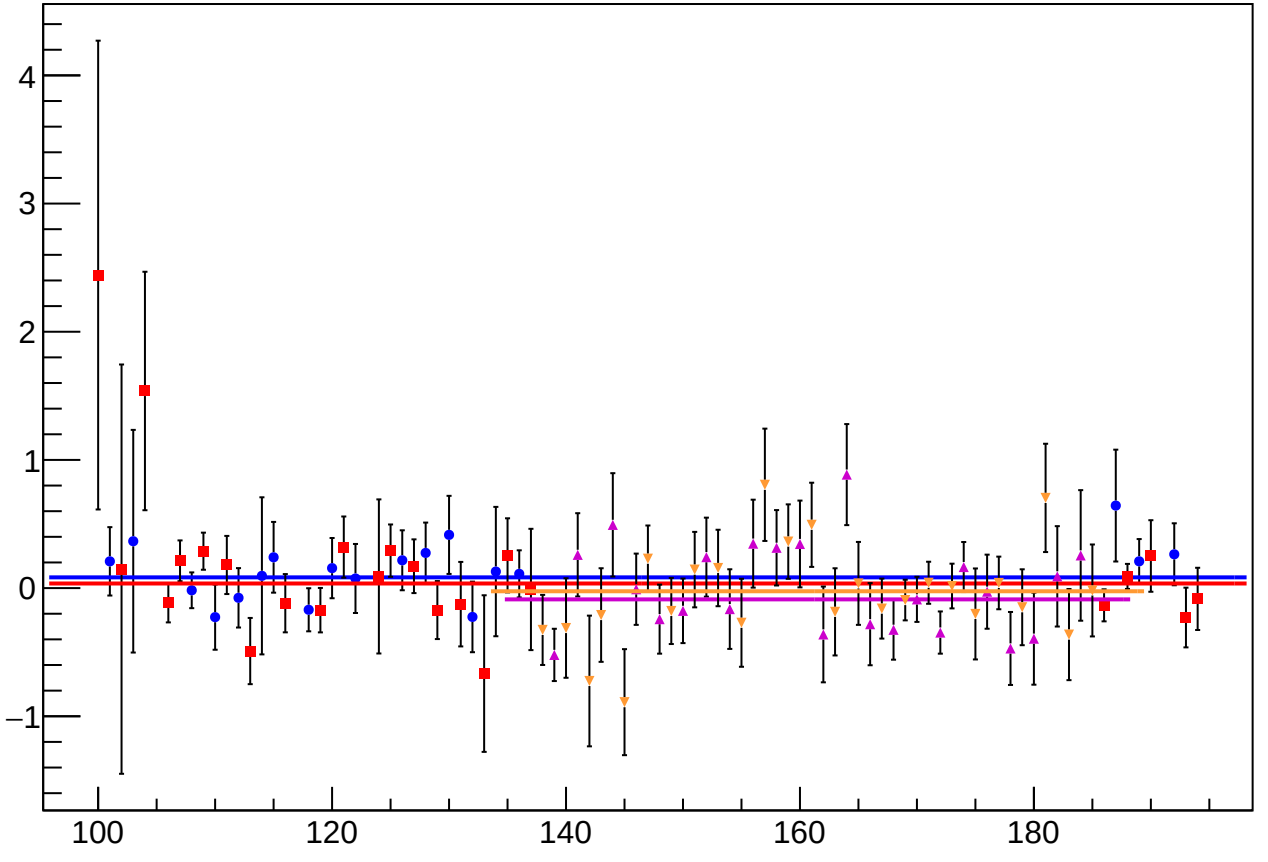
+ sign 0.000+/-0.000 χ^2/NDF: 67.0/43

All: 0.000+/-0.000 χ^2/NDF: 120.3/90

- sign 0.000+/-0.000 χ^2/NDF: 51.4/46


asym_usr_atr2_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: 0.007+/-0.000 χ²/NDF: 4615827.1/18
Left Out: 0.006+/-0.000 χ²/NDF:7769287.5/24
Right Out: 0.006+/-0.000 χ²/NDF: 6779273.7/23
Left In: 0.005+/-0.000 χ²/NDF:7460452.2/22
+ sign 0.006+/-0.000 χ²/NDF: 12881294.3/43
All: 0.006+/-0.000 χ²/NDF: 27431843.4/90
- sign 0.005+/-0.000 χ²/NDF: 14390114.5/46

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: 0.036+/-0.043 χ^2/NDF: 26.8/23

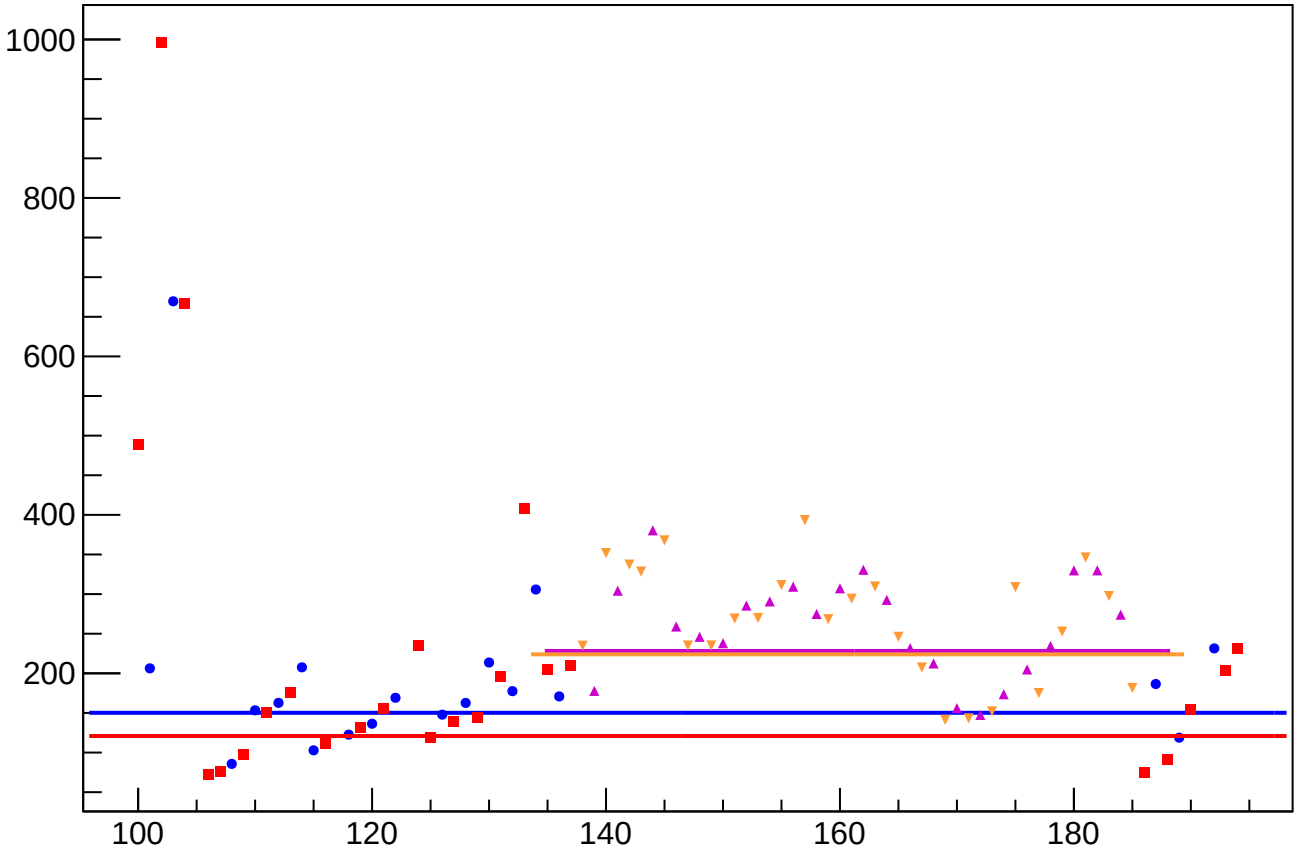
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.029+/-0.039 χ^2/NDF: 37.7/43

All: 0.008+/-0.026 χ^2/NDF: 98.1/90

- sign -0.009+/-0.034 χ^2/NDF: 59.9/46

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

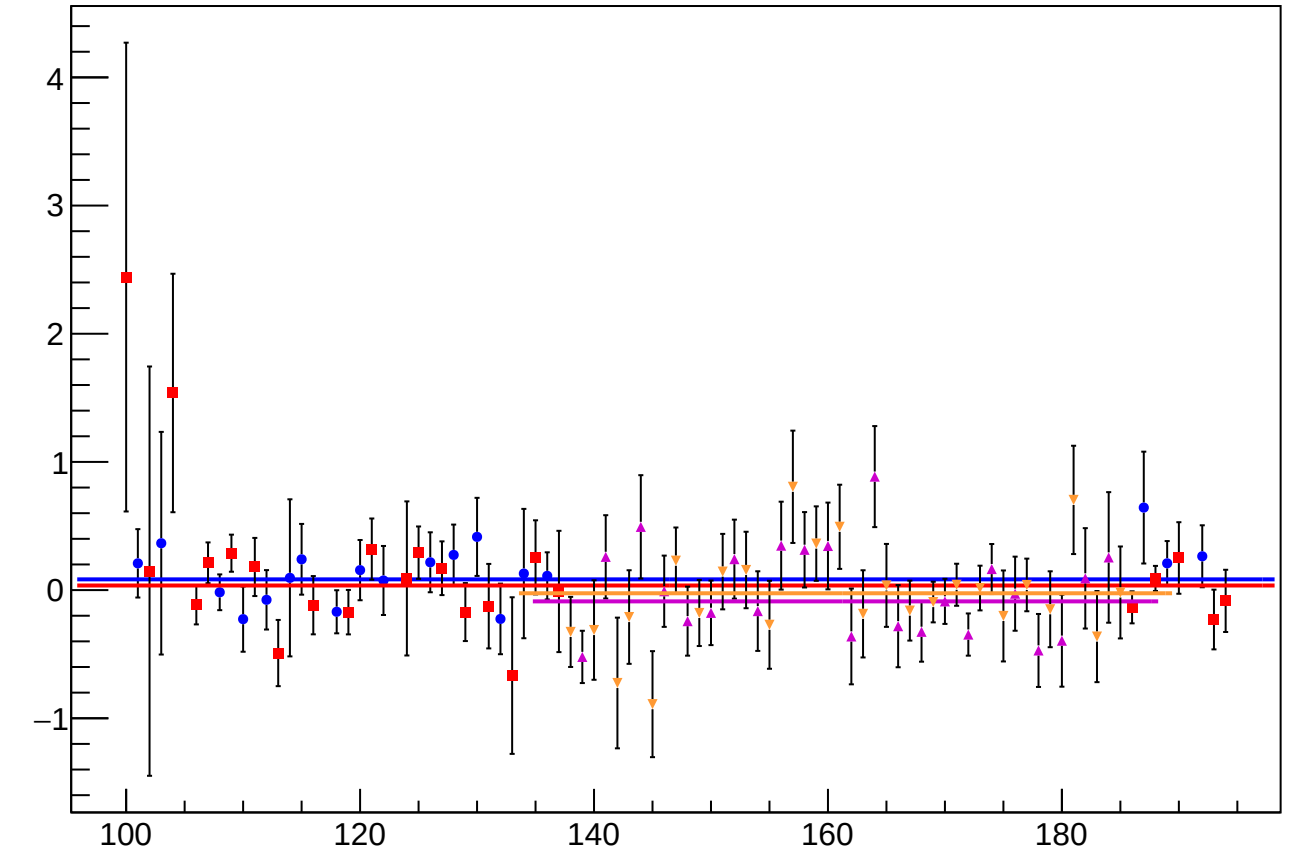
Right Out: 120.872+/-0.030 χ^2/NDF: 4028438.6/23

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 187.195+/-0.027 χ^2/NDF: 7274759.9/43

All: 171.650+/-0.018 χ^2/NDF: 18952100.2/90

- sign 159.610+/-0.024 χ^2/NDF: 11104000.6/46



Right In: 0.084+/-0.055 χ^2/NDF: 11.7/18

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

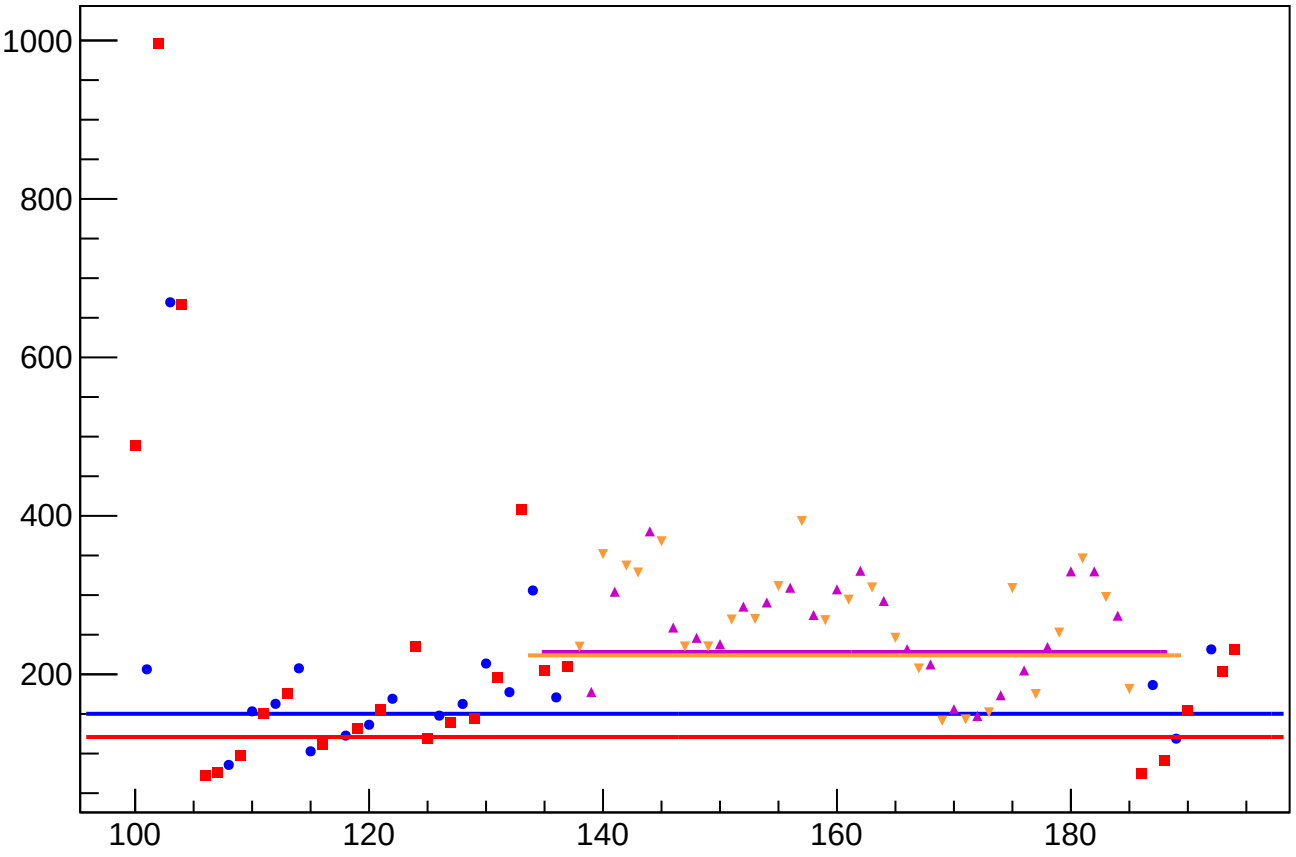
Right Out: 0.036+/-0.043 χ^2/NDF: 26.8/23

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.029+/-0.039 χ^2/NDF: 37.7/43

All: 0.008+/-0.026 χ^2/NDF: 98.1/90

- sign -0.009+/-0.034 χ^2/NDF: 59.9/46



Right In: 150.183+/-0.039 χ^2/NDF: 2017540.7/18

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

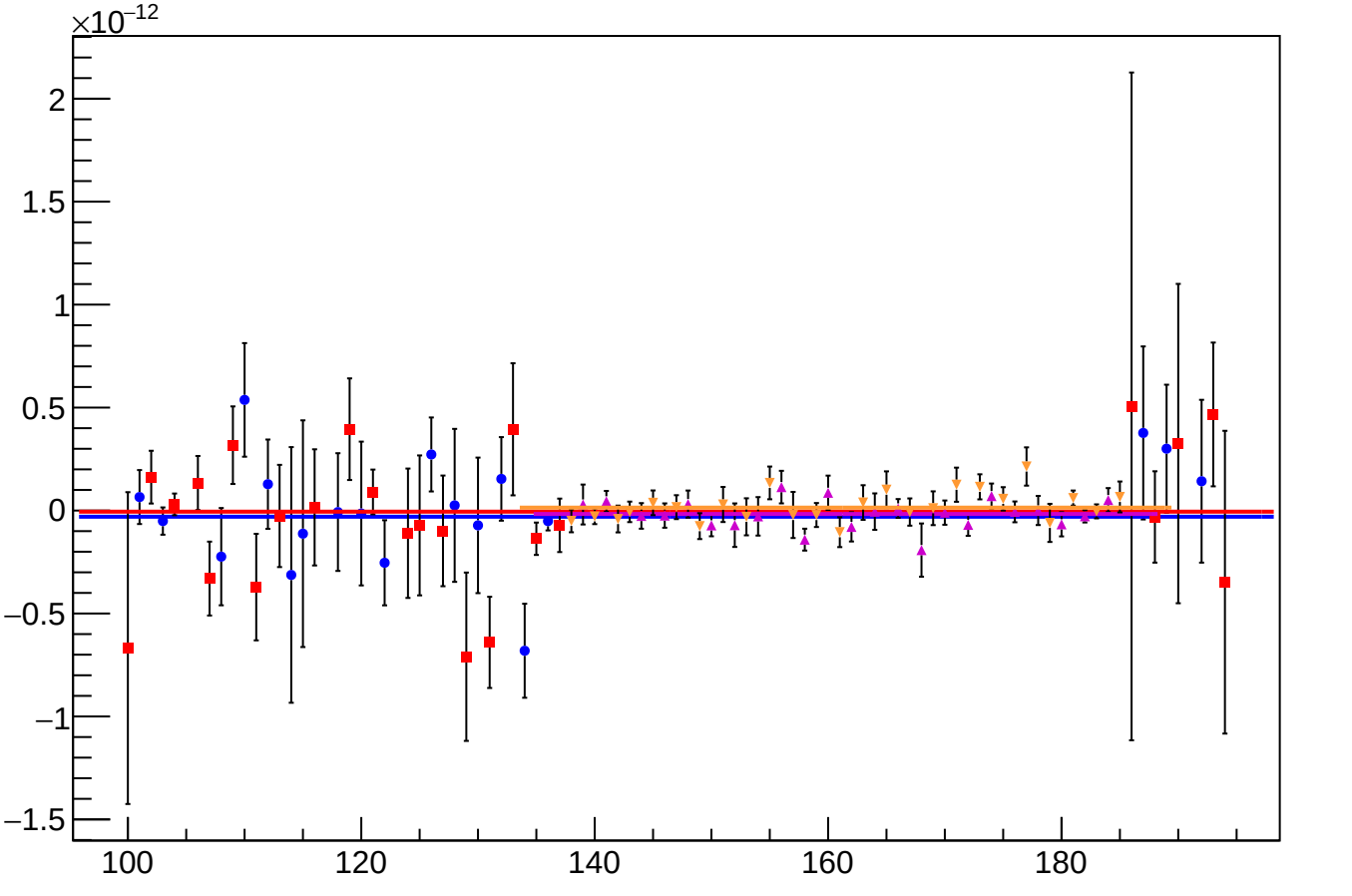
Right Out: 120.872+/-0.030 χ^2/NDF: 4028438.6/23

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 187.195+/-0.027 χ^2/NDF: 7274759.9/43

All: 171.650+/-0.018 χ^2/NDF: 18952100.2/90

- sign 159.610+/-0.024 χ^2/NDF: 11104000.6/46



Right In: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

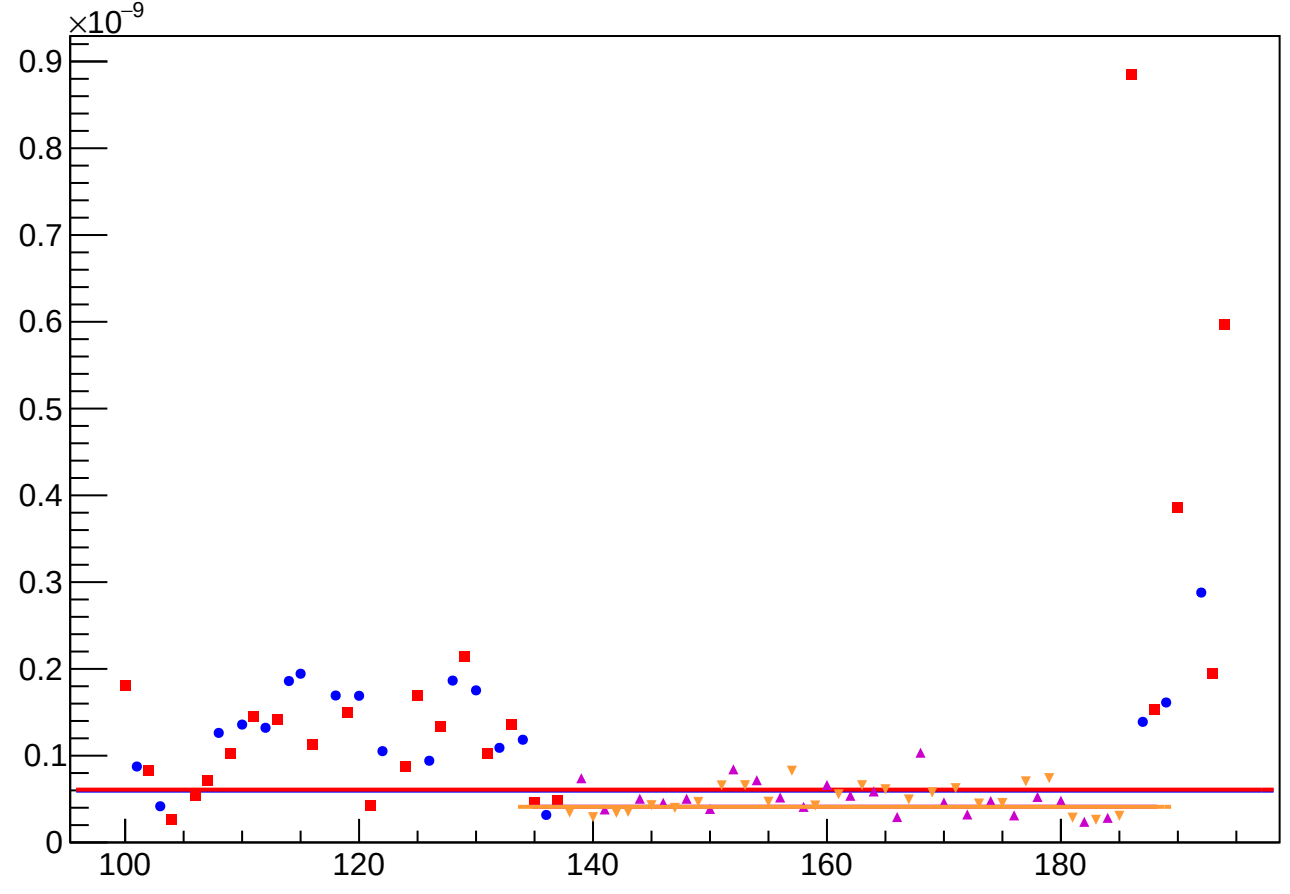
Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/23

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.8/43

All: -0.000+/-0.000 χ^2/NDF: 107.0/90

- sign -0.000+/-0.000 χ^2/NDF: 56.0/46



Right In: 0.000+/-0.000 χ^2/NDF: 4082926.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5353718.5/23

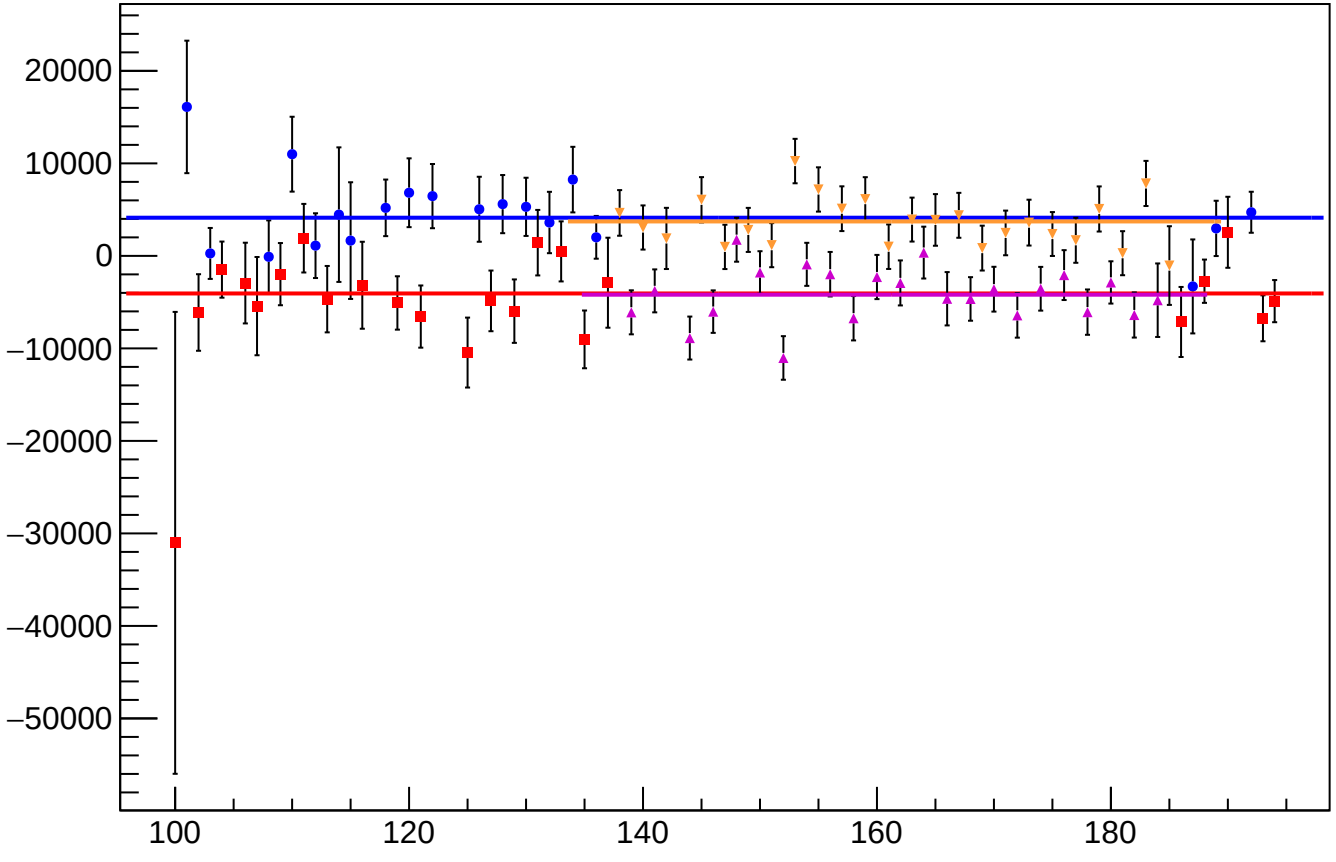
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7329039.1/43

All: 0.000+/-0.000 χ^2/NDF: 16211496.4/90

- sign 0.000+/-0.000 χ^2/NDF: 8881015.8/46

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: -4062.822+/-708.396 χ^2/NDF: 21.4/22

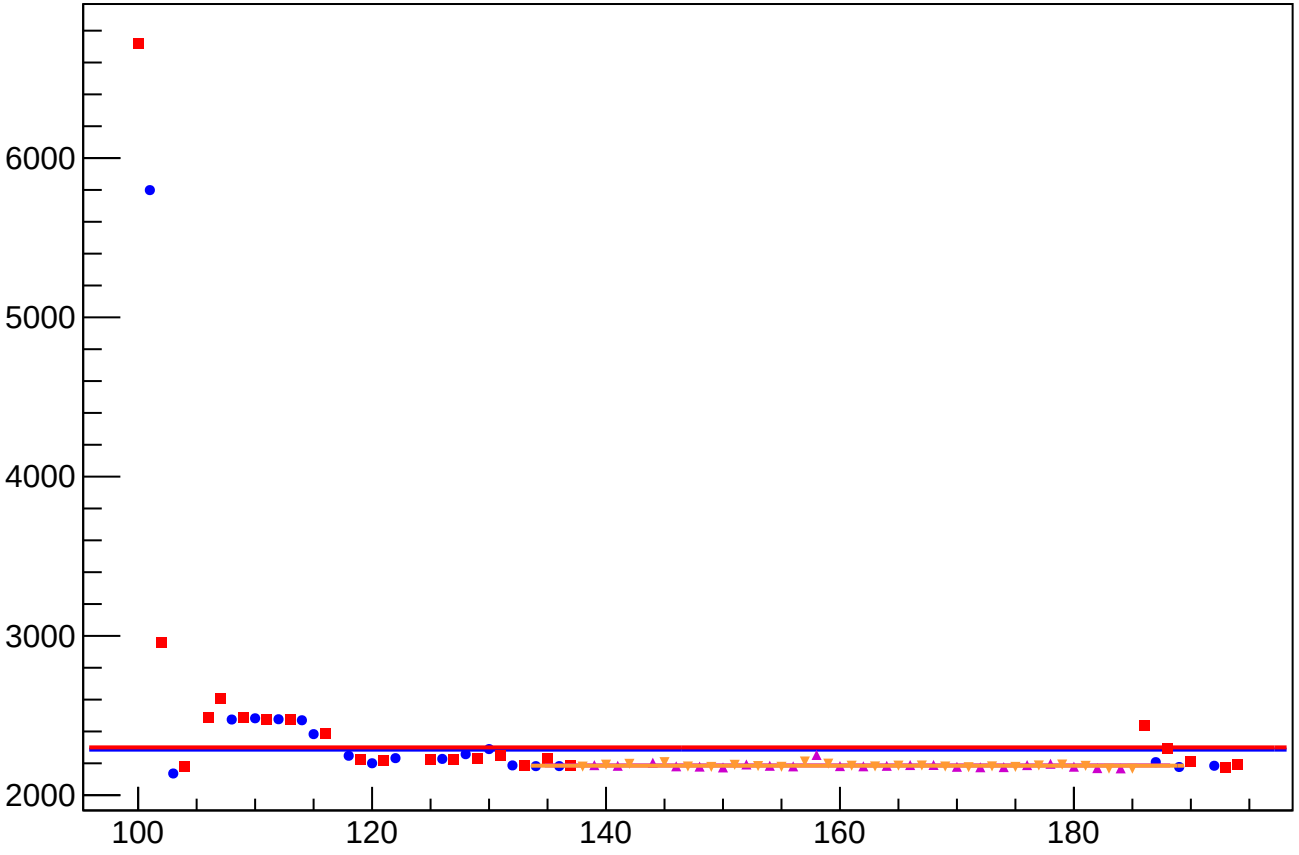
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3844.068+/-424.558 χ^2/NDF: 41.4/42

All: -251.854+/-296.479 χ^2/NDF: 276.7/88

- sign -4150.431+/-414.204 χ^2/NDF: 53.6/45

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

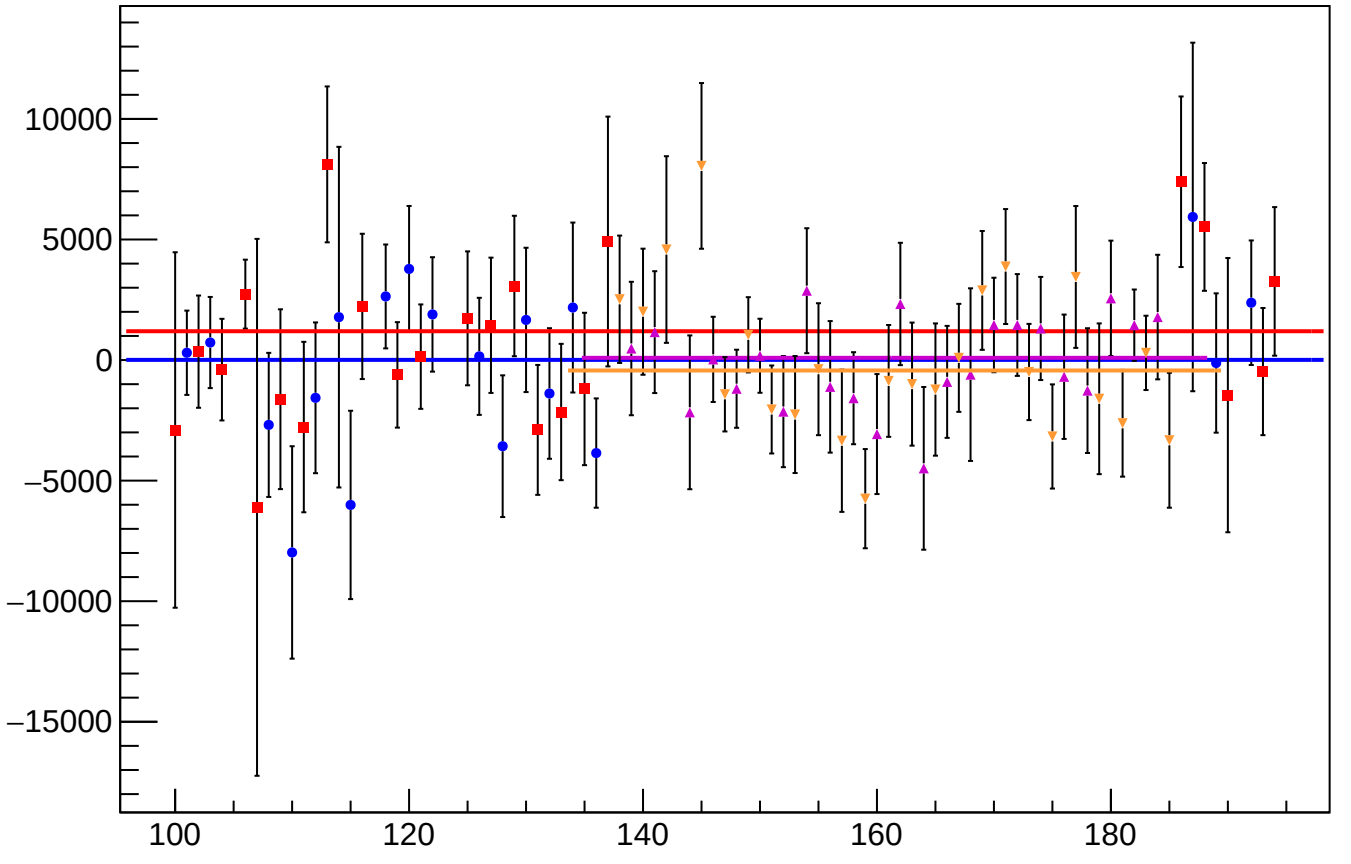
Right Out: 2299.989+/-0.501 χ^2/NDF: 167085.3/22

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.294+/-0.300 χ^2/NDF: 546119.0/42

All: 2220.503+/-0.210 χ^2/NDF: 749492.2/88

- sign 2225.461+/-0.293 χ^2/NDF: 202785.5/45



Right In: 7.851+/-620.615 χ^2/NDF: 18.0/18

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

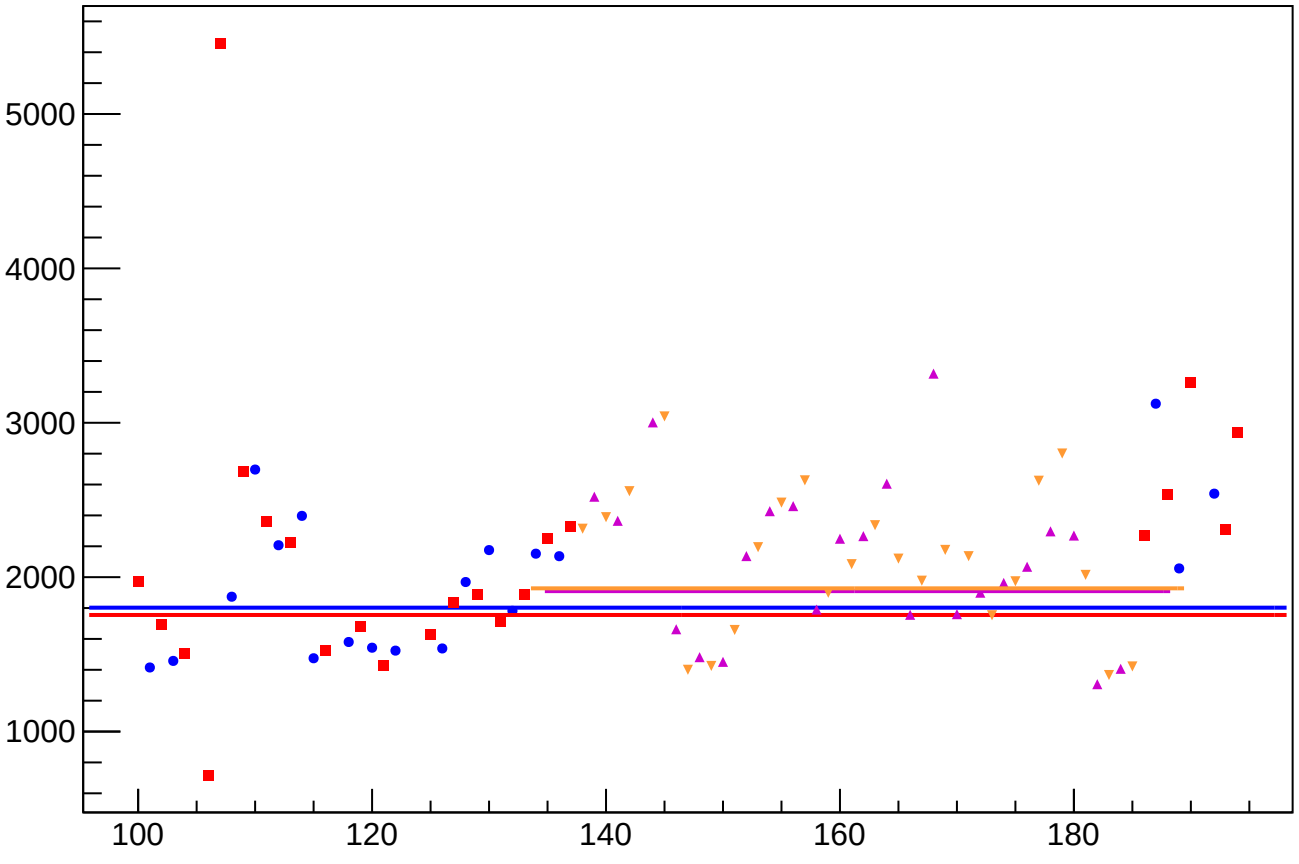
Right Out: 1195.288+/-578.962 χ^2/NDF: 22.1/22

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

\+ sign -275.180+/-370.787 χ^2/NDF: 49.6/42

All: 133.672+/-258.465 χ^2/NDF: 89.1/88

\- sign 520.109+/-360.480 χ^2/NDF: 37.1/45



Right In: 1802.461+/-0.439 χ^2/NDF: 748893.6/18

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

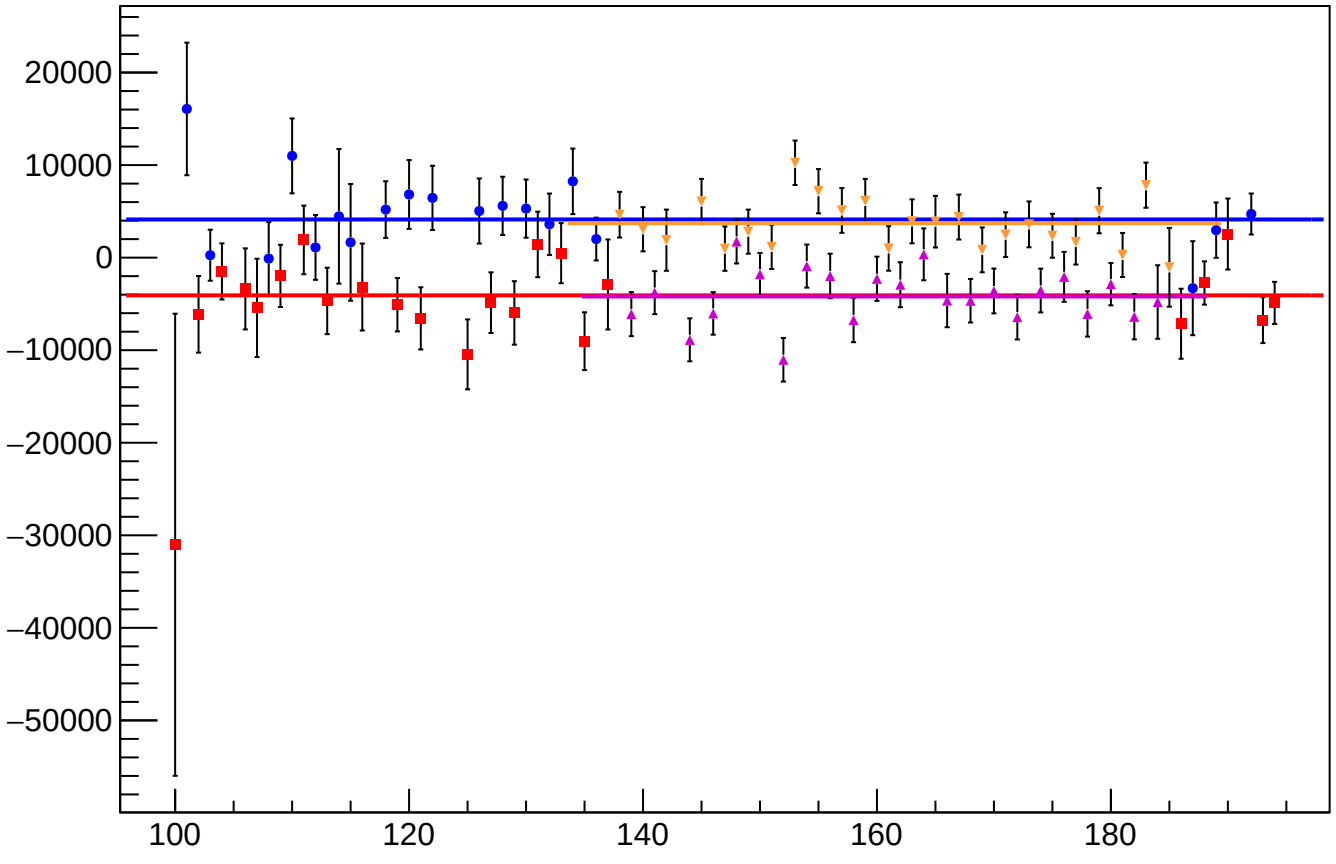
Right Out: 1755.099+/-0.409 χ^2/NDF: 2423612.1/22

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1882.971+/-0.262 χ^2/NDF: 2599616.8/42

All: 1865.873+/-0.183 χ^2/NDF: 7060992.3/88

- sign 1849.712+/-0.255 χ^2/NDF: 4453103.2/45



Right In: 4125.992+/-776.165 χ^2/NDF: 15.8/18

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4074.836+/-708.477 χ^2/NDF: 21.4/22

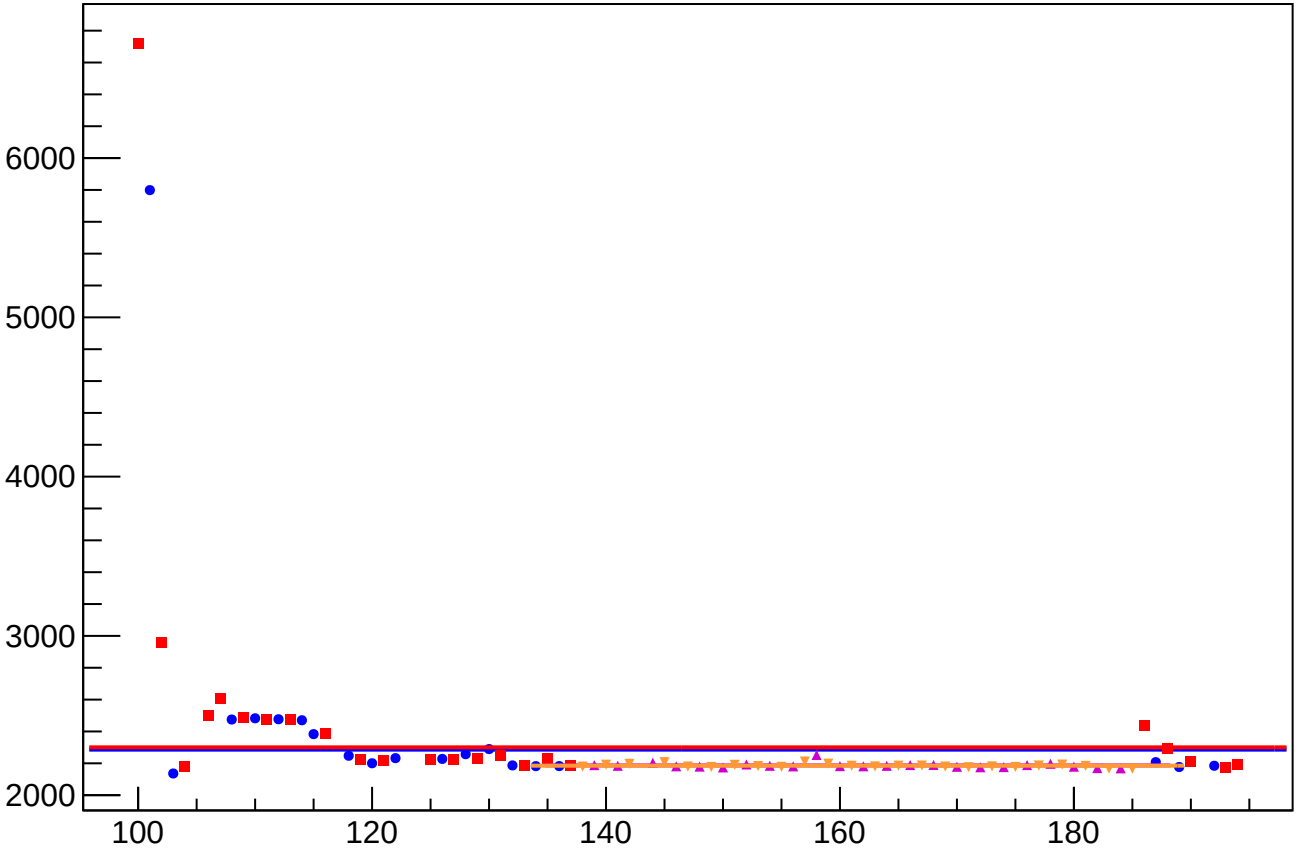
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3843.880+/-424.558 χ^2/NDF: 41.4/42

All: -253.937+/-296.485 χ^2/NDF: 276.8/88

- sign -4154.622+/-414.220 χ^2/NDF: 53.5/45

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

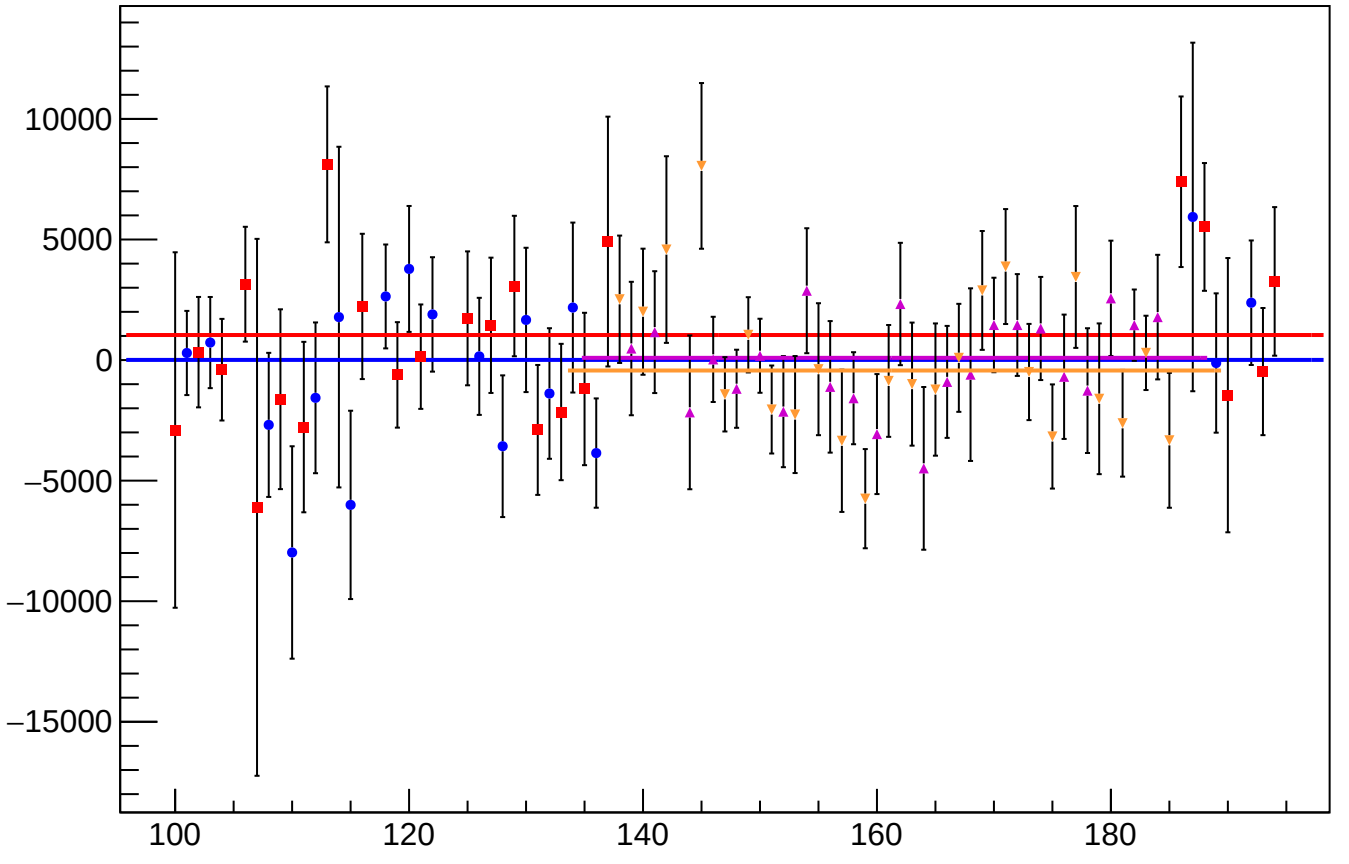
Right Out: 2300.226+/-0.501 χ^2/NDF: 167489.5/22

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.294+/-0.300 χ^2/NDF: 546119.4/42

All: 2220.541+/-0.210 χ^2/NDF: 750041.4/88

- sign 2225.537+/-0.293 χ^2/NDF: 203325.7/45



Right In: 6.825+/-620.507 χ^2/NDF: 18.0/18

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

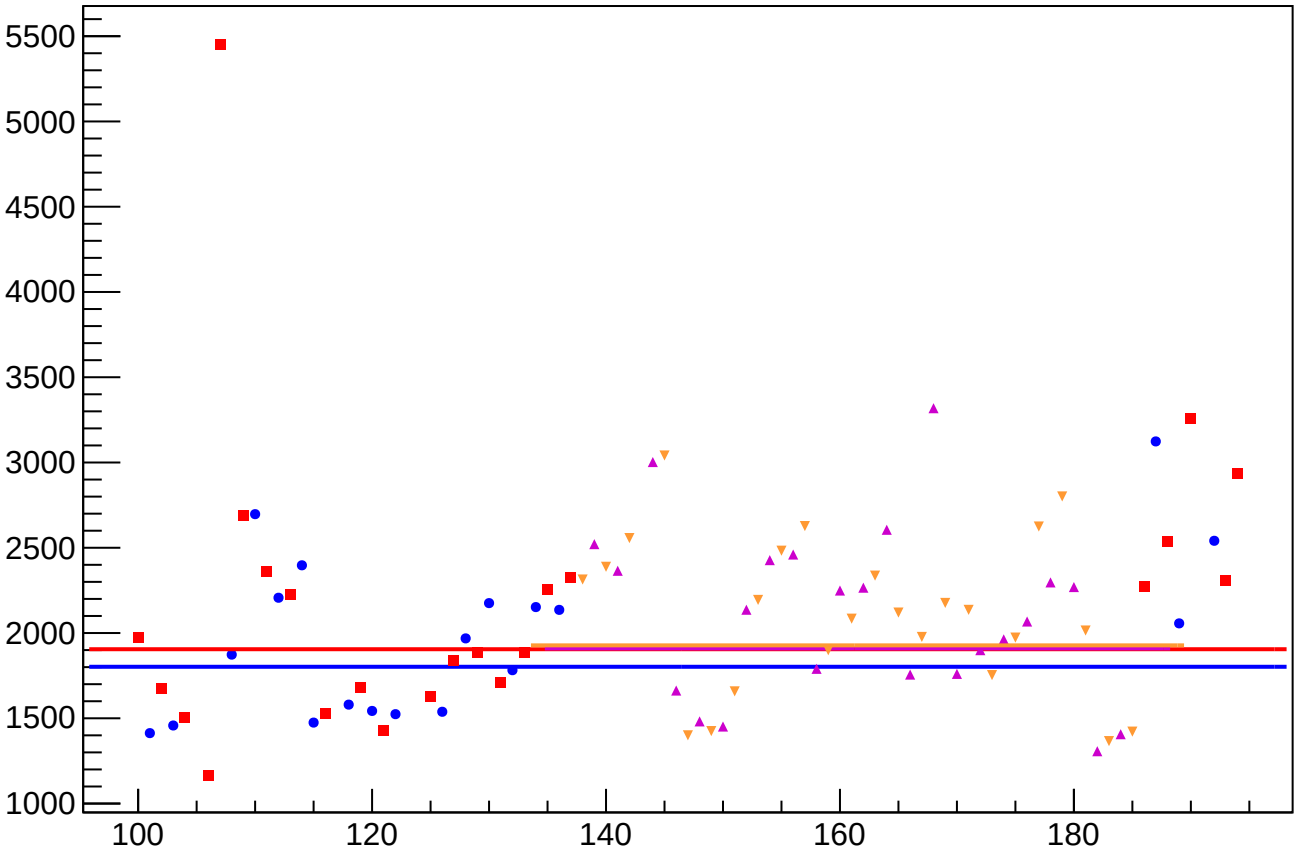
Right Out: 1038.954+/-611.239 χ^2/NDF: 21.6/22

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -275.533+/-370.764 χ^2/NDF: 49.6/42

All: 82.712+/-261.147 χ^2/NDF: 87.4/88

- sign 435.419+/-367.888 χ^2/NDF: 35.9/45



Right In: 1802.090+/-0.439 χ^2/NDF: 750129.1/18

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

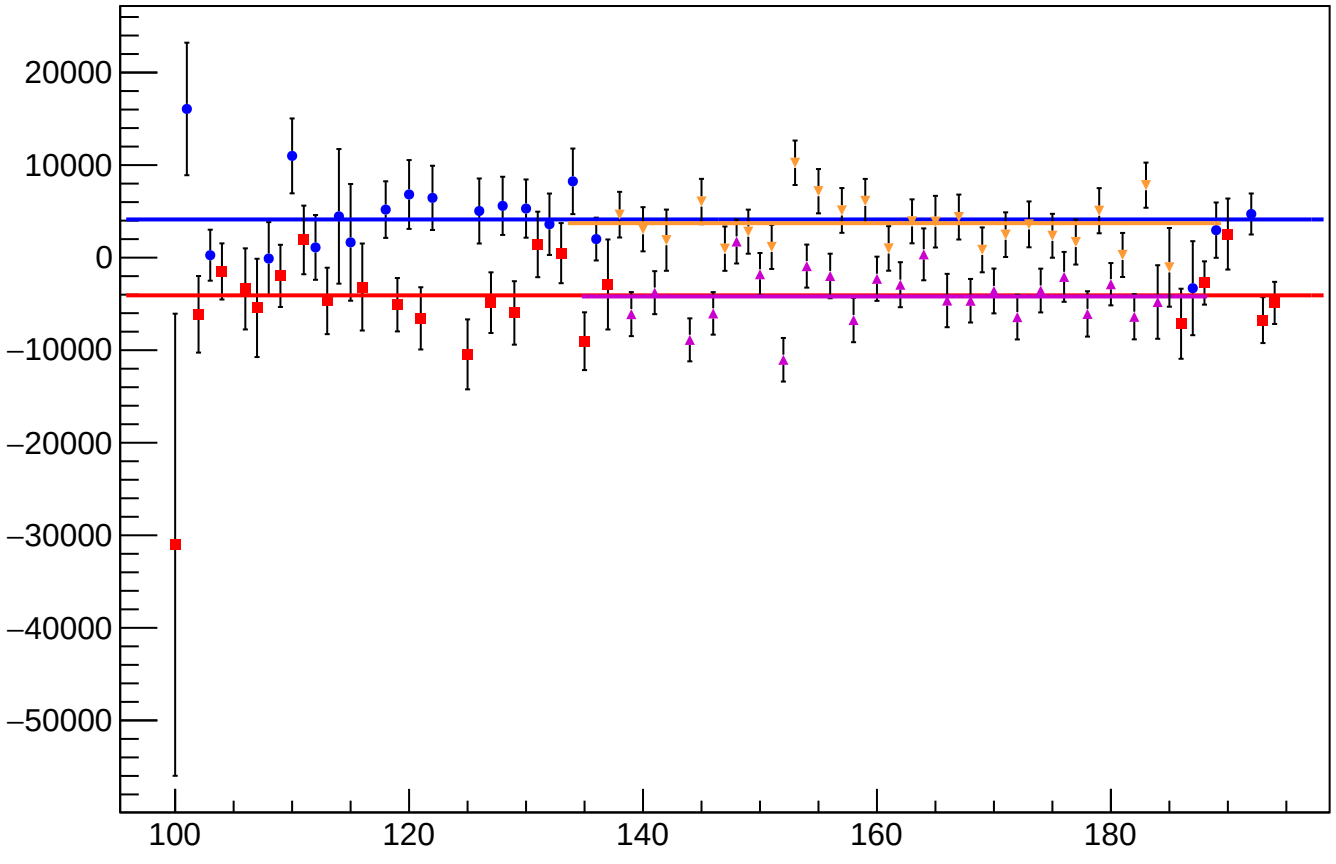
Right Out: 1905.039+/-0.432 χ^2/NDF: 1367412.3/22

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1882.827+/-0.262 χ^2/NDF: 2601198.2/42

All: 1895.491+/-0.185 χ^2/NDF: 5915599.4/88

- sign 1907.959+/-0.260 χ^2/NDF: 3309770.7/45



Right In: 4125.992+/-776.165 χ^2/NDF: 15.8/18

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

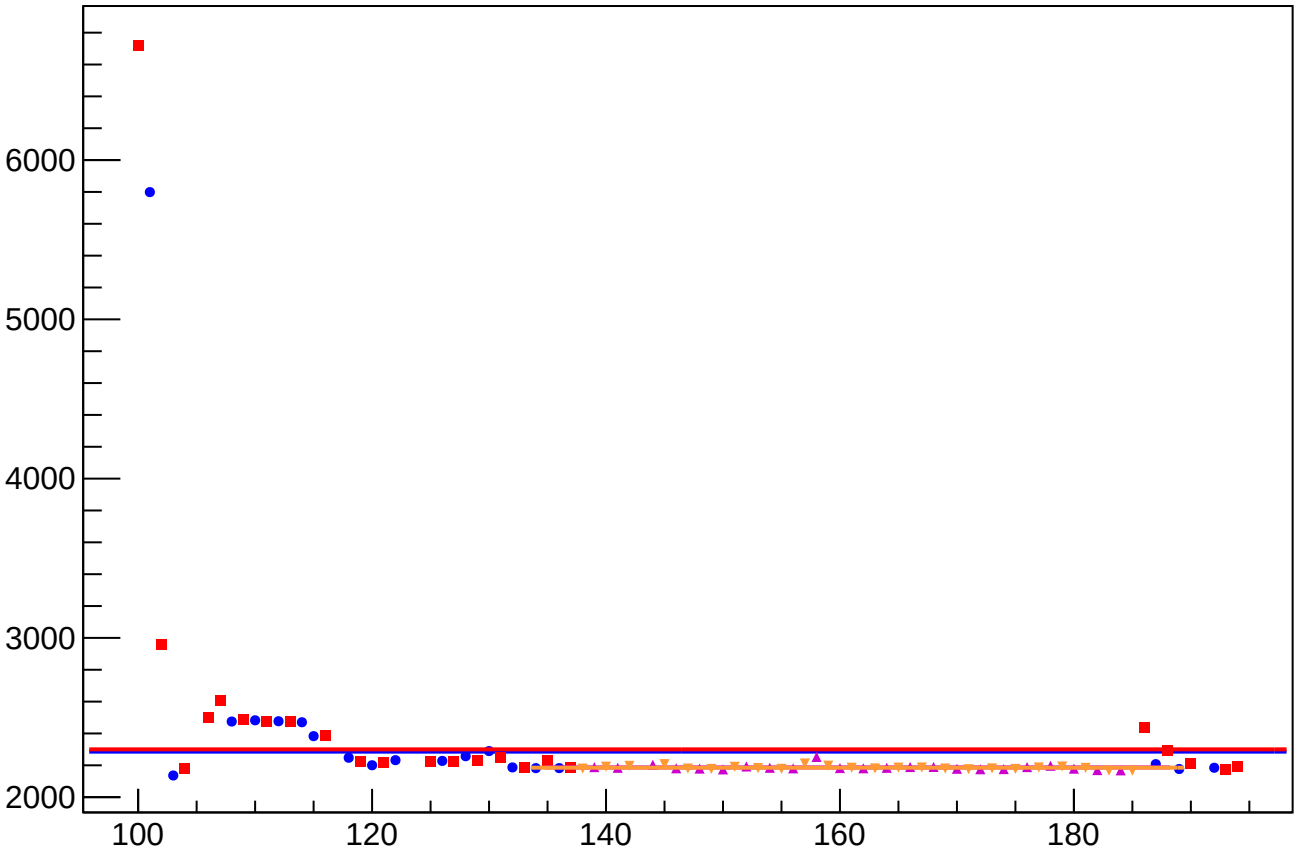
Right Out: -4074.836+/-708.477 χ^2/NDF: 21.4/22

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3843.880+/-424.558 χ^2/NDF: 41.4/42

All: -253.937+/-296.485 χ^2/NDF: 276.8/88

- sign -4154.622+/-414.220 χ^2/NDF: 53.5/45



Right In: 2285.937+/-0.549 χ^2/NDF: 521662.9/18

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

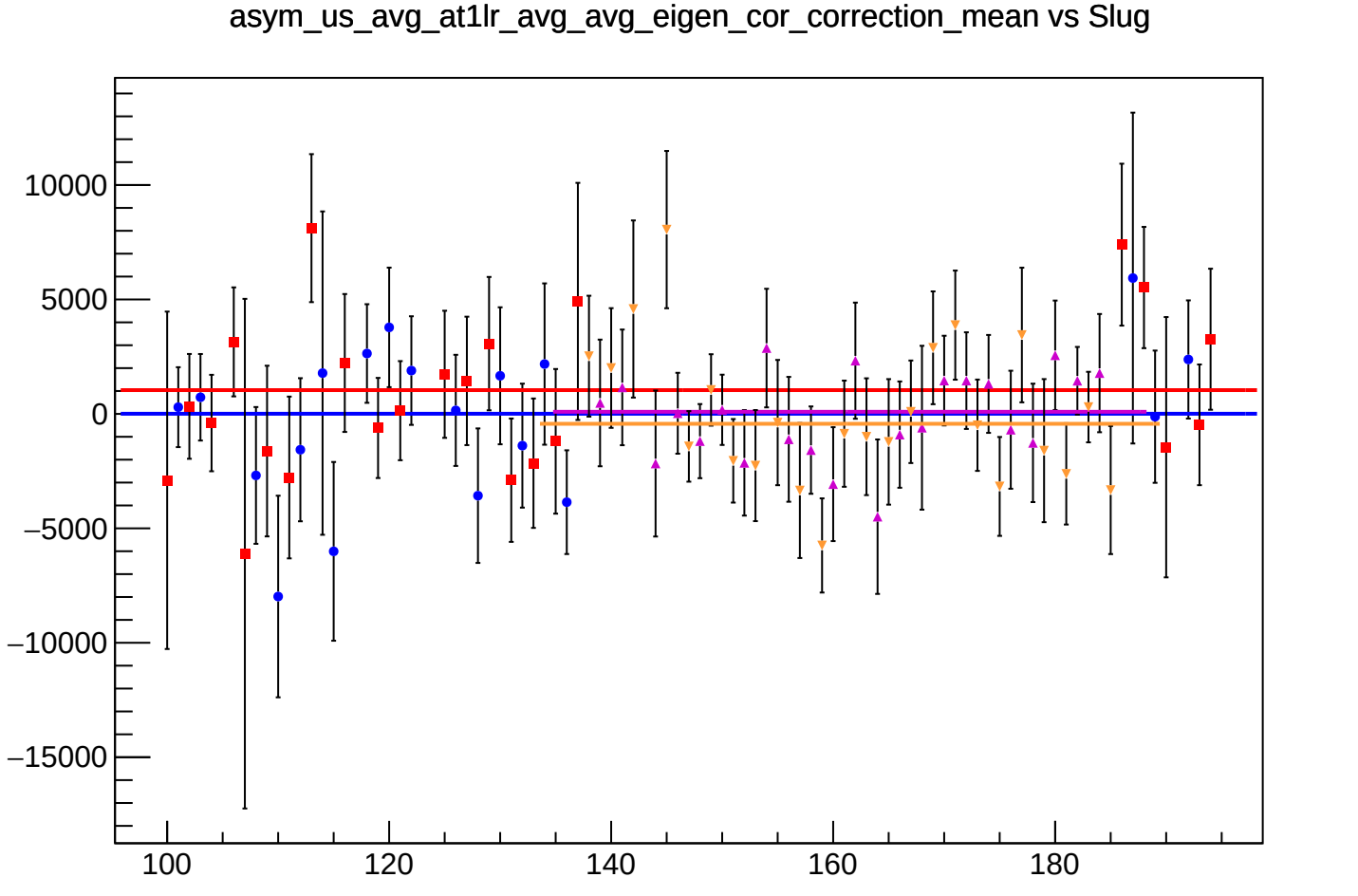
Right Out: 2300.226+/-0.501 χ^2/NDF: 167489.5/22

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2215.294+/-0.300 χ^2/NDF: 546119.4/42

All: 2220.541+/-0.210 χ^2/NDF: 750041.4/88

- sign 2225.537+/-0.293 χ^2/NDF: 203325.7/45



Right In: 6.825+/-620.507 χ^2/NDF: 18.0/18

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

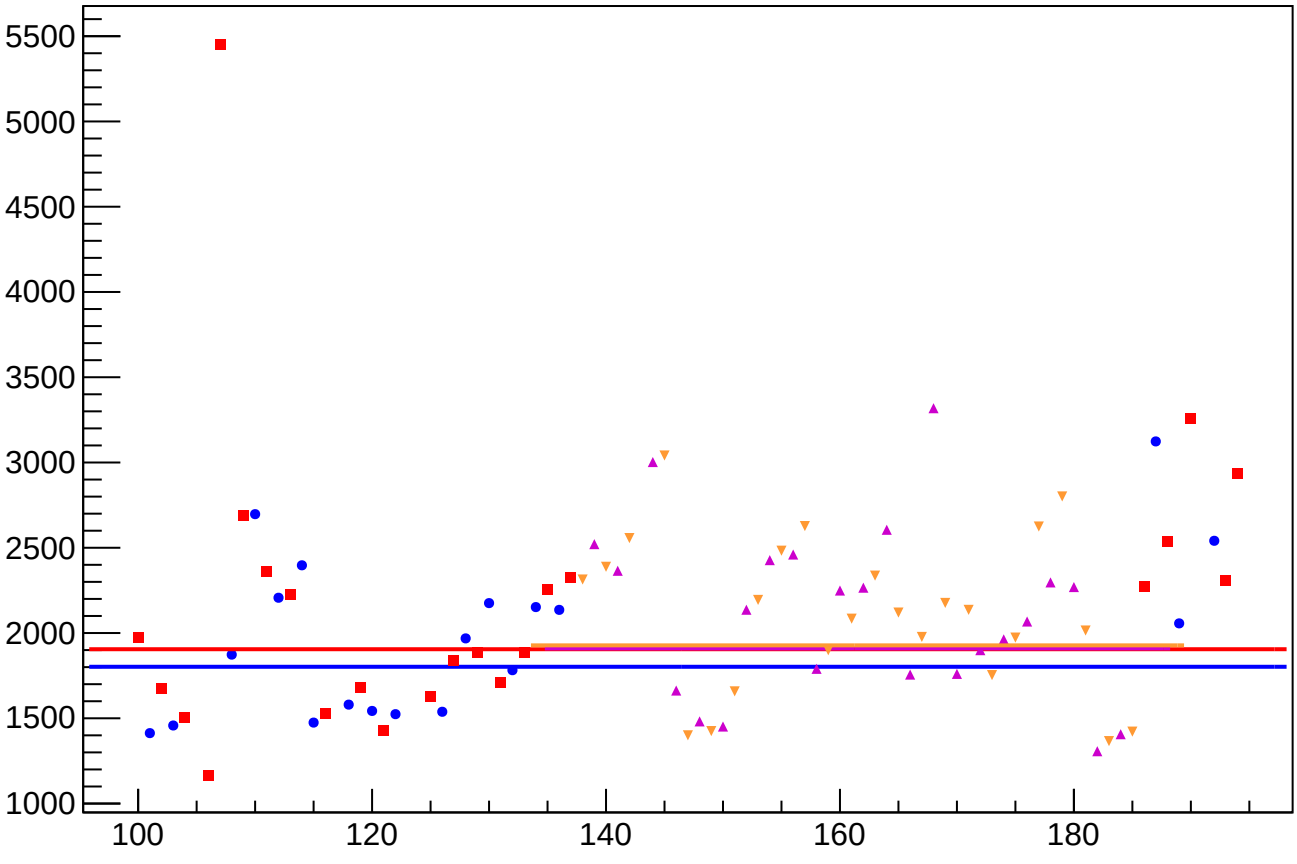
Right Out: 1038.954+/-611.239 χ^2/NDF: 21.6/22

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

\+ sign -275.533+/-370.764 χ^2/NDF: 49.6/42

All: 82.712+/-261.147 χ^2/NDF: 87.4/88

\- sign 435.419+/-367.888 χ^2/NDF: 35.9/45



Right In: 1802.090+/-0.439 χ^2/NDF: 750129.1/18

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

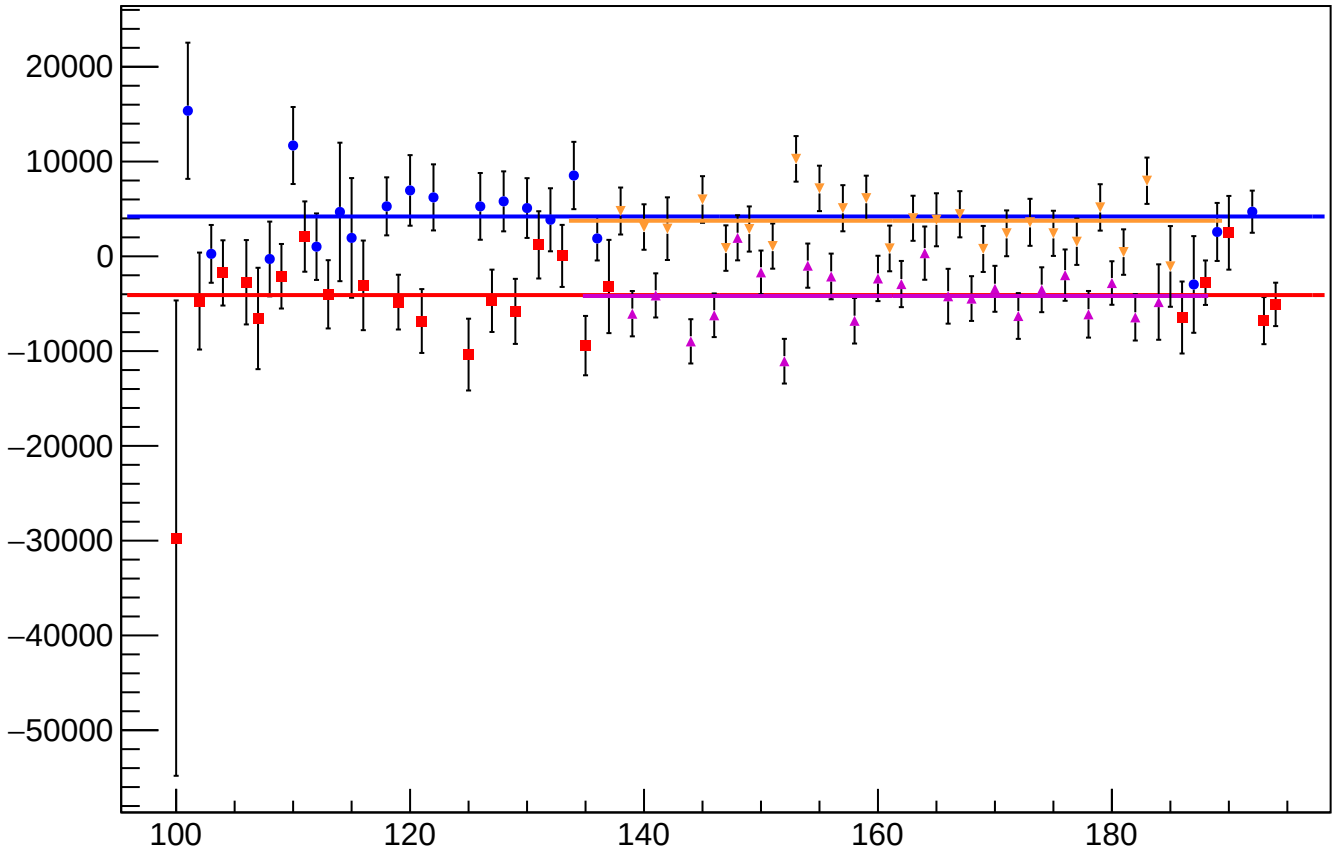
Right Out: 1905.039+/-0.432 χ^2/NDF: 1367412.3/22

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1882.827+/-0.262 χ^2/NDF: 2601198.2/42

All: 1895.491+/-0.185 χ^2/NDF: 5915599.4/88

- sign 1907.959+/-0.260 χ^2/NDF: 3309770.7/45



Right In: 4203.622+/-785.393 χ^2/NDF: 16.0/18

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -4088.093+/-719.669 χ^2/NDF: 20.4/22

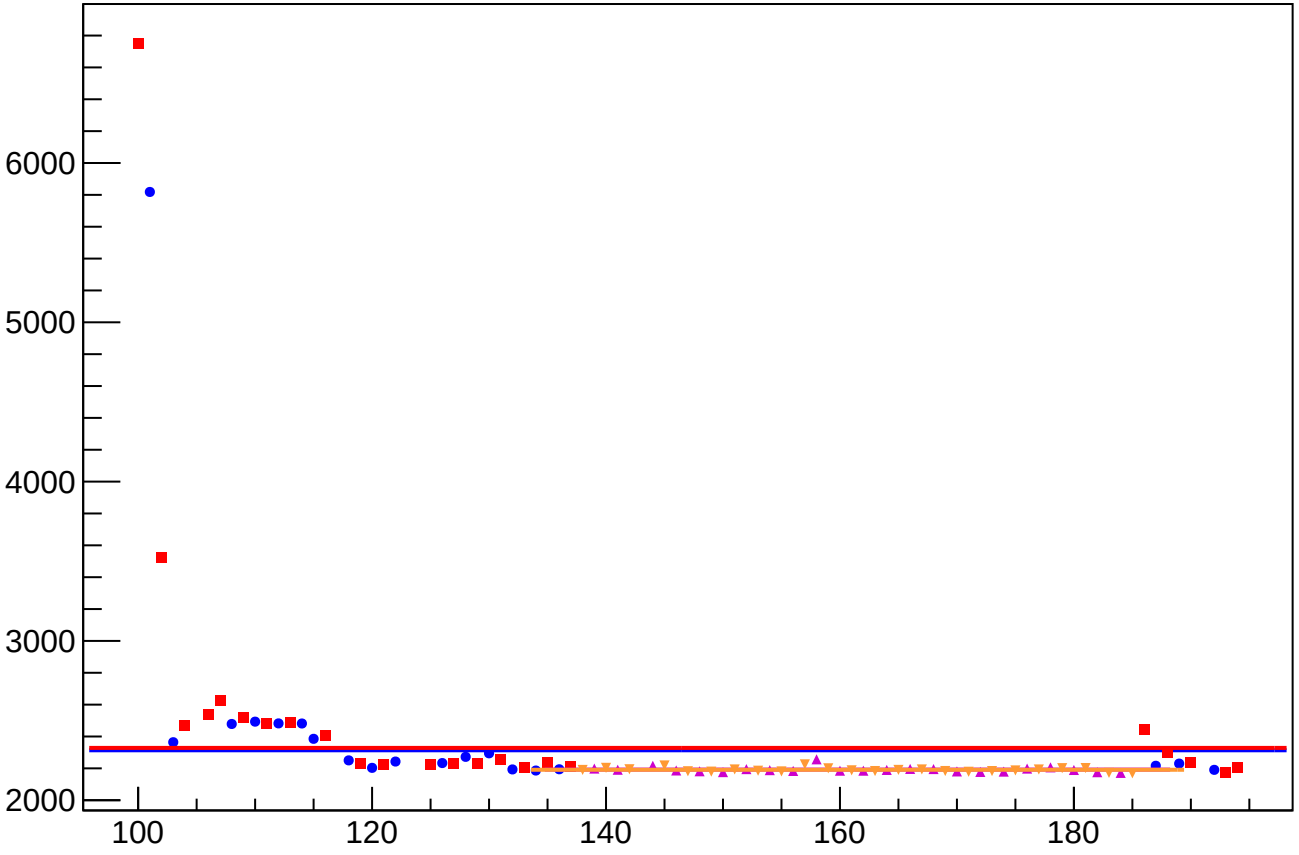
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3886.876+/-426.887 χ^2/NDF: 41.9/42

All: -225.544+/-298.341 χ^2/NDF: 276.4/88

- sign -4151.923+/-417.119 χ^2/NDF: 53.1/45

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

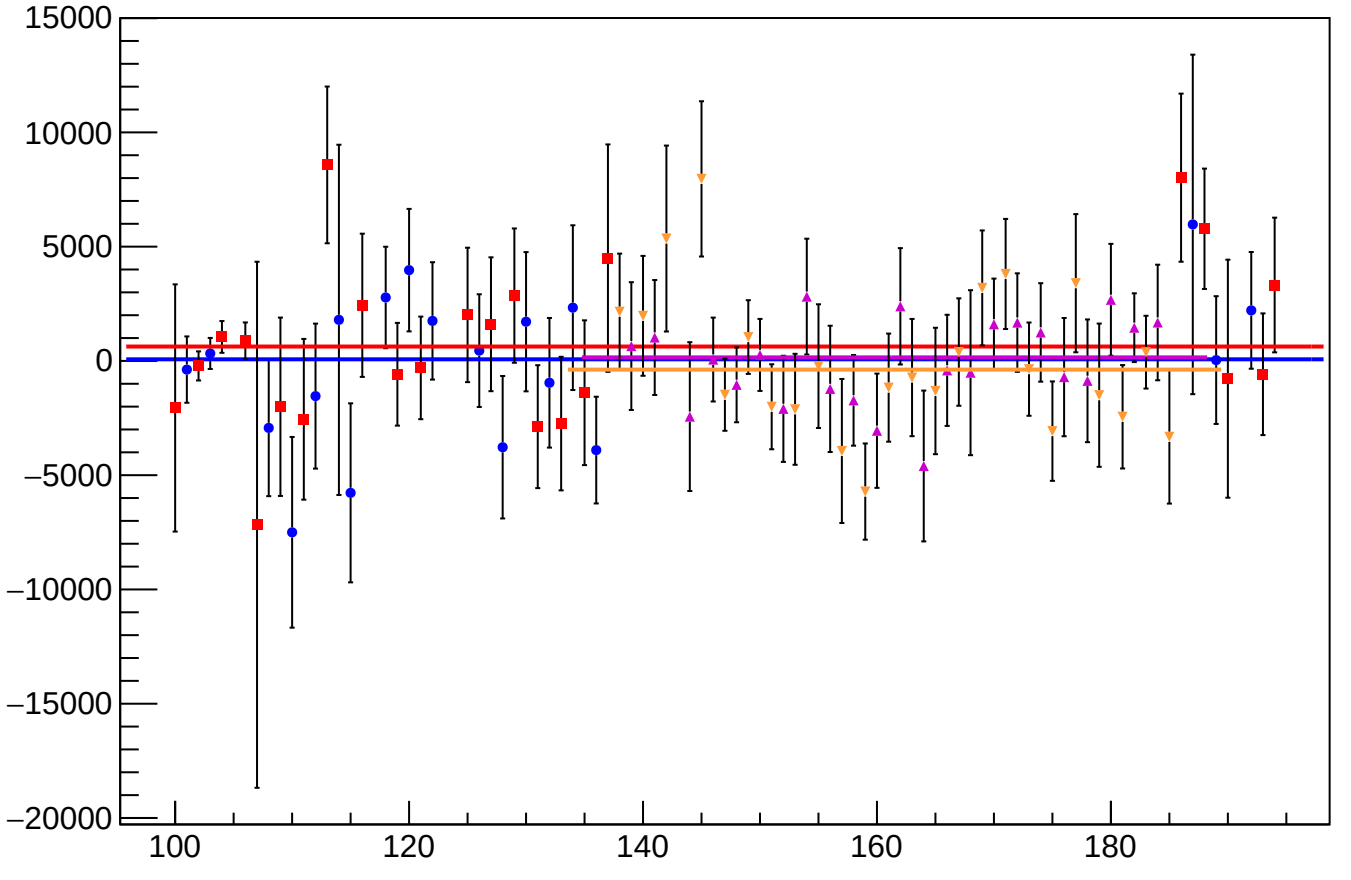
Right Out: 2328.437+/-0.509 χ^2/NDF: 231086.0/22

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2227.283+/-0.302 χ^2/NDF: 548804.7/42

All: 2232.749+/-0.211 χ^2/NDF: 830408.5/88

- sign 2237.967+/-0.295 χ^2/NDF: 280962.9/45



Right In: 70.138+/-469.070 χ^2/NDF: 17.7/18

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: 629.211+/-350.969 χ^2/NDF: 24.3/22

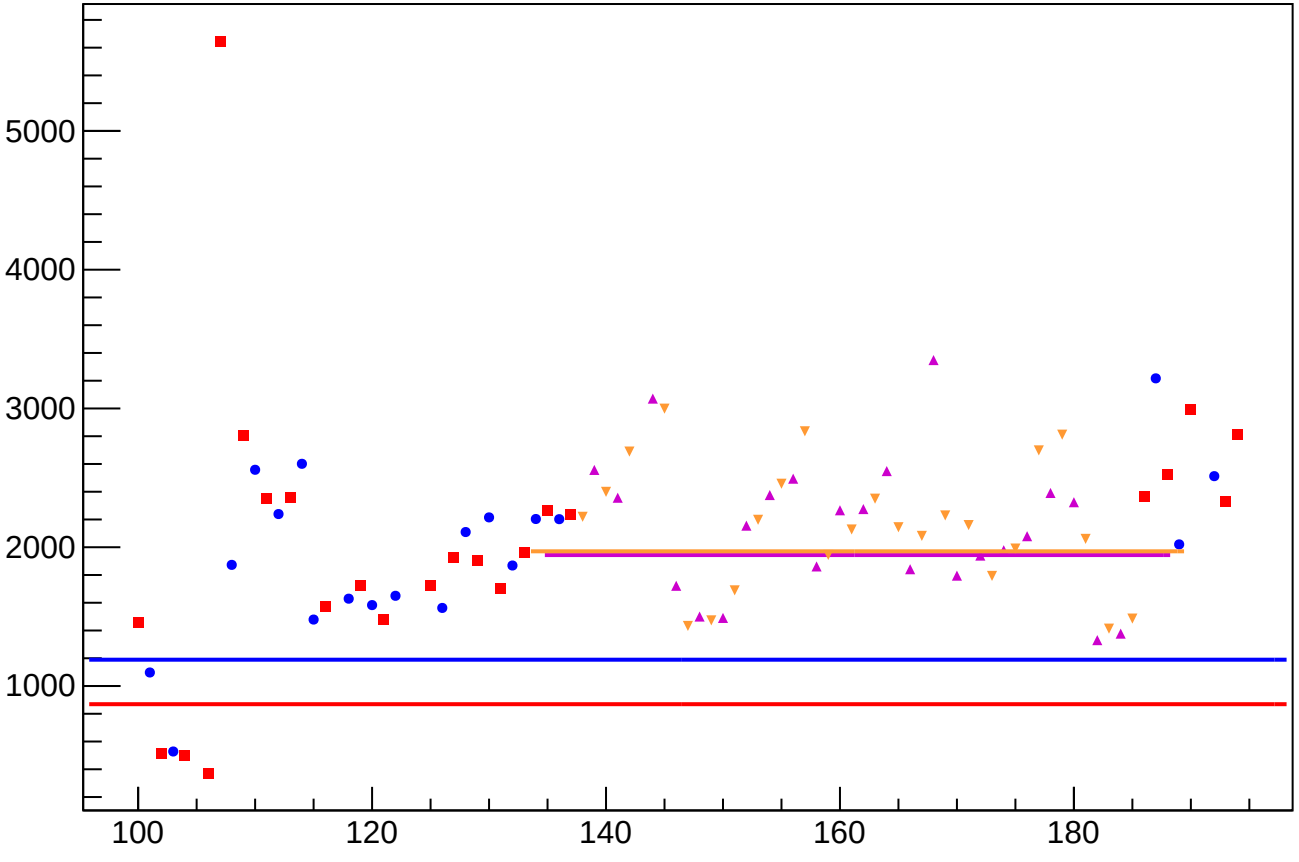
Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -154.020+/-332.532 χ^2/NDF: 48.9/42

All: 203.461+/-214.534 χ^2/NDF: 88.7/88

- sign 458.338+/-280.784 χ^2/NDF: 37.8/45

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: 869.016+/-0.248 χ^2/NDF: 8715122.0/22

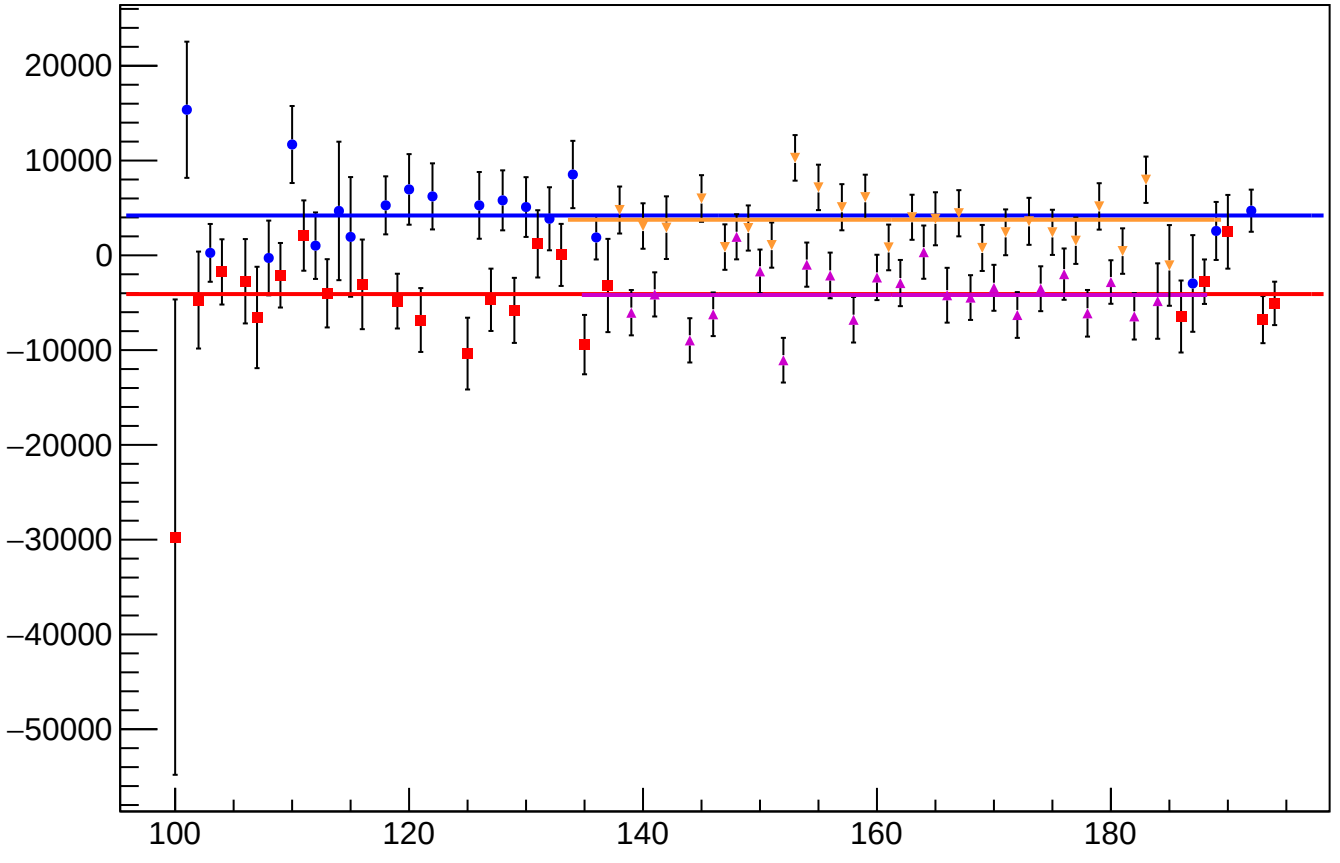
Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1578.130+/-0.235 χ^2/NDF: 9120015.4/42

All: 1389.980+/-0.152 χ^2/NDF: 27564029.0/8

- sign 1255.833+/-0.199 χ^2/NDF: 17347219.0/45

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4203.619+/-785.393 χ^2/NDF: 16.0/18

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -4088.088+/-719.669 χ^2/NDF: 20.4/22

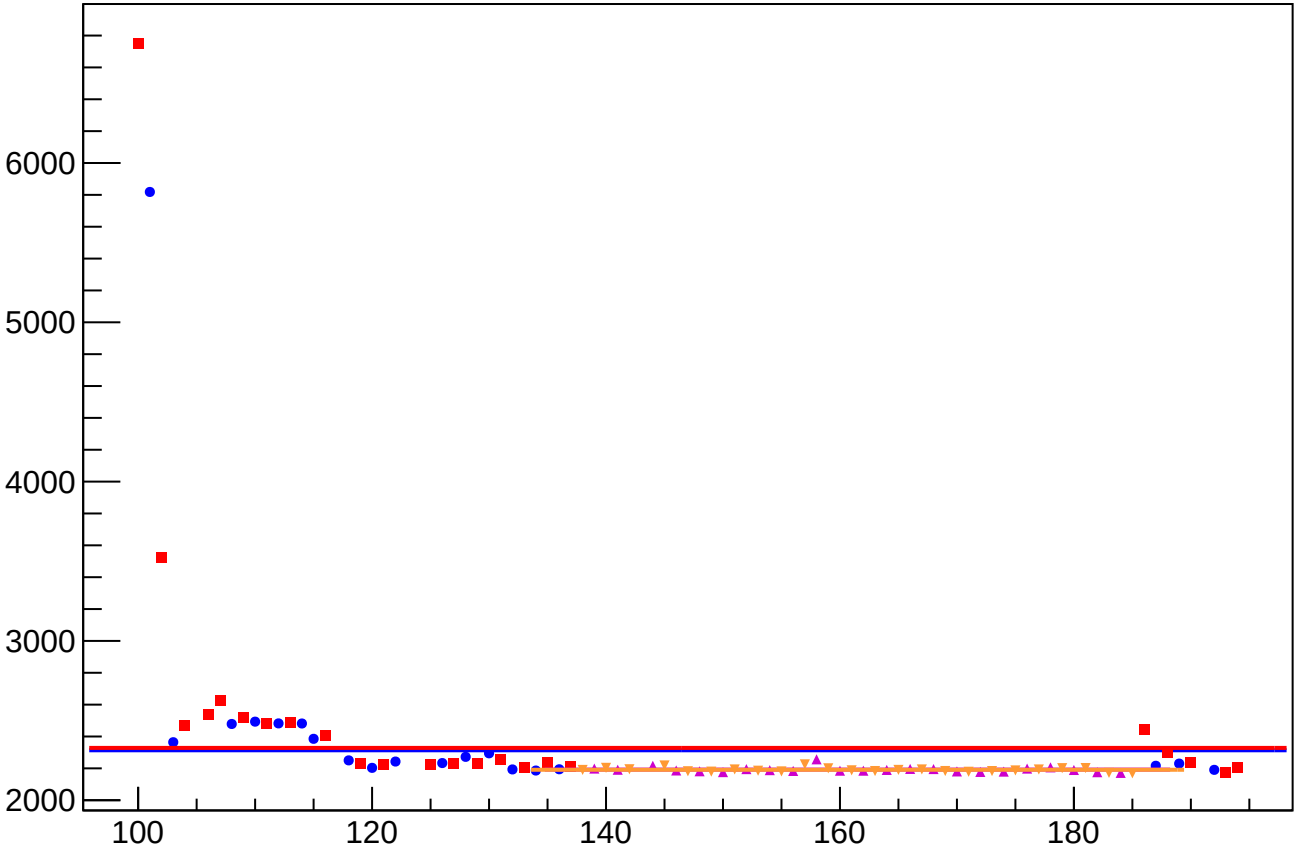
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3886.874+/-426.886 χ^2/NDF: 41.9/42

All: -225.544+/-298.341 χ^2/NDF: 276.4/88

- sign -4151.922+/-417.119 χ^2/NDF: 53.1/45

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

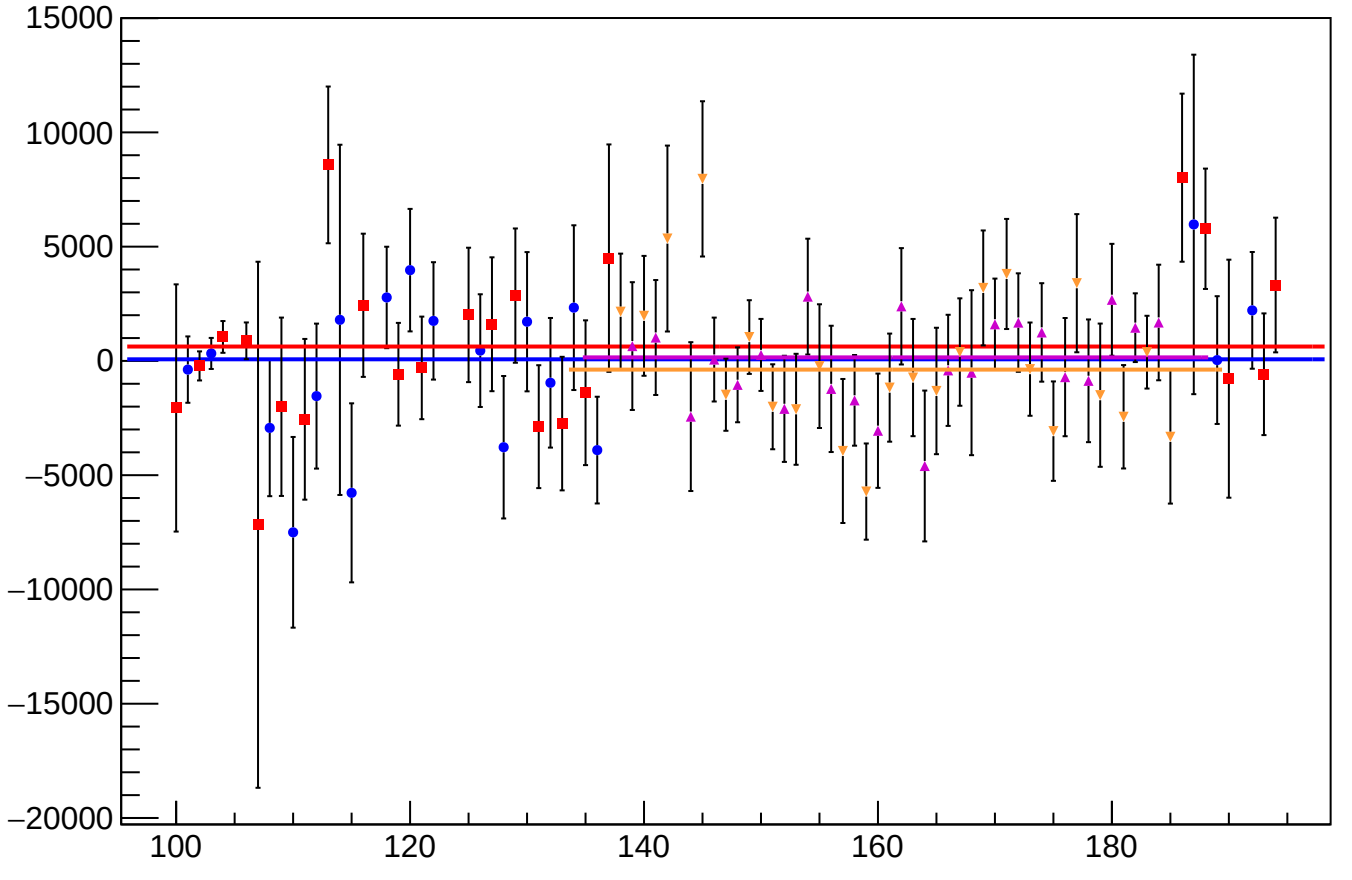
Right Out: 2328.437+/-0.509 χ^2/NDF: 231084.8/22

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2227.283+/-0.302 χ^2/NDF: 548804.4/42

All: 2232.749+/-0.211 χ^2/NDF: 830406.8/88

- sign 2237.967+/-0.295 χ^2/NDF: 280961.5/45



Right In: 70.133+/-469.072 χ^2/NDF: 17.7/18

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

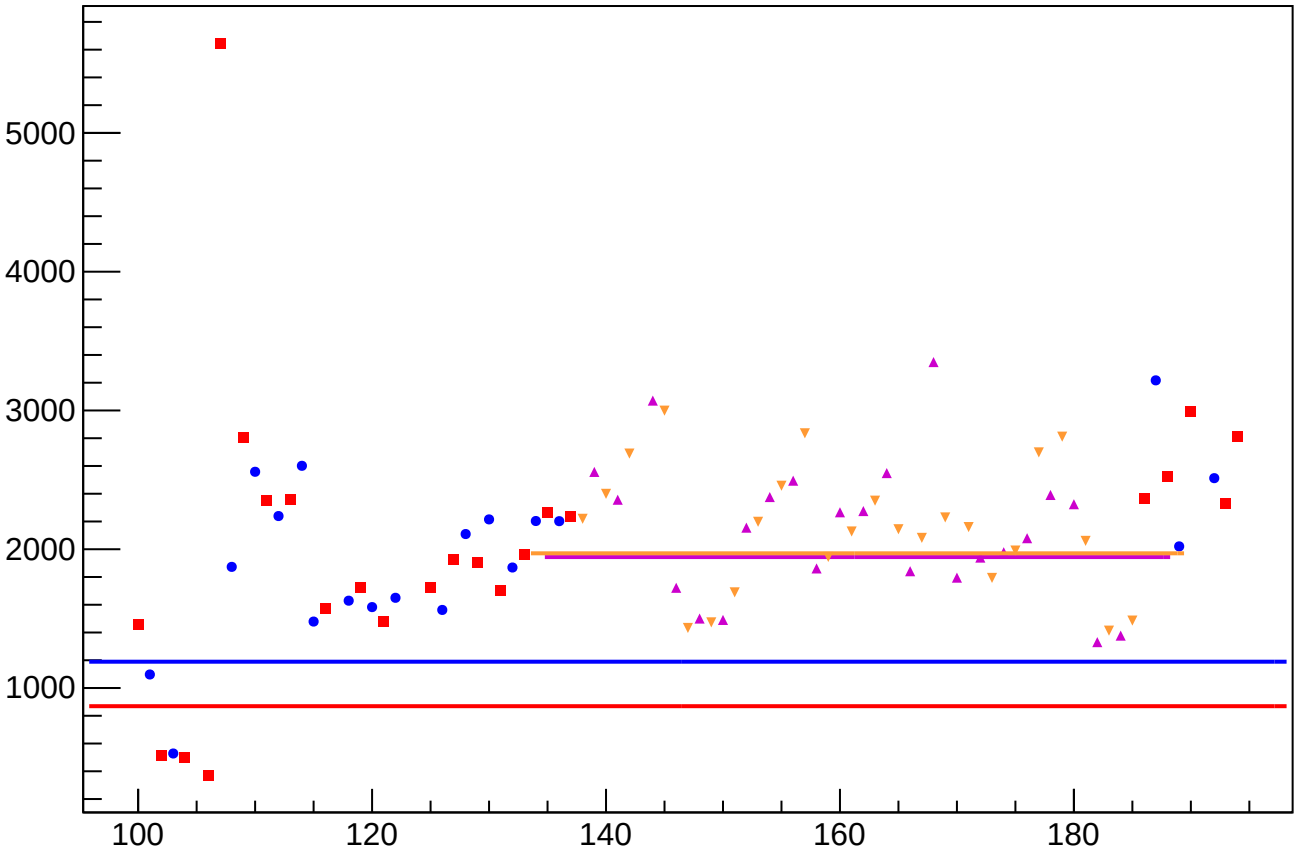
Right Out: 629.218+/-350.973 χ^2/NDF: 24.3/22

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -154.025+/-332.533 χ^2/NDF: 48.9/42

All: 203.459+/-214.535 χ^2/NDF: 88.7/88

- sign 458.341+/-280.786 χ^2/NDF: 37.8/45



Right In: 1189.620+/-0.332 χ^2/NDF: 4664941.1/18

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 869.033+/-0.248 χ^2/NDF: 8714949.3/22

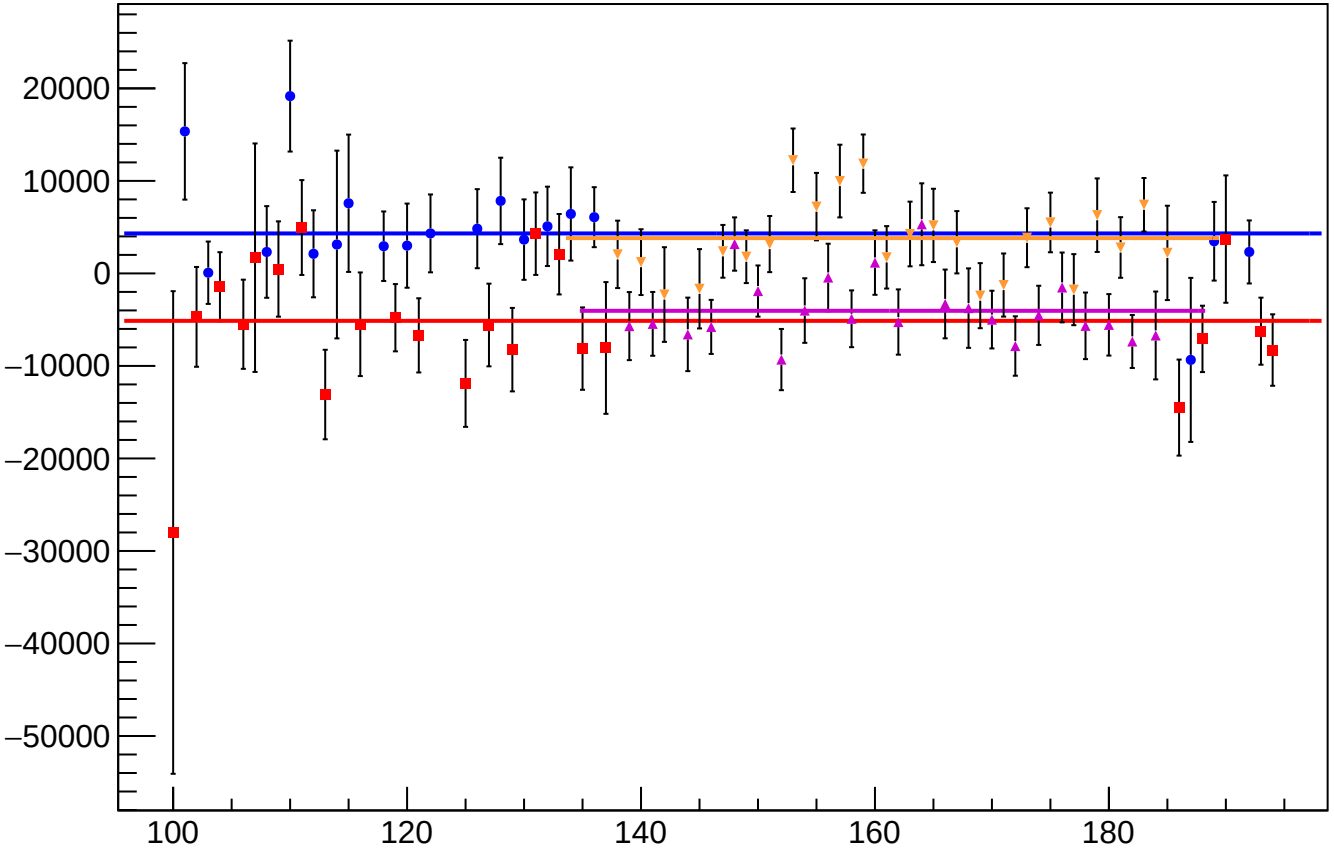
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1578.138+/-0.235 χ^2/NDF: 9119862.6/42

All: 1389.995+/-0.152 χ^2/NDF: 27563384.5/8

- sign 1255.850+/-0.199 χ^2/NDF: 17346802.0/45

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: -5127.180+/-979.446 χ^2/NDF: 26.4/22

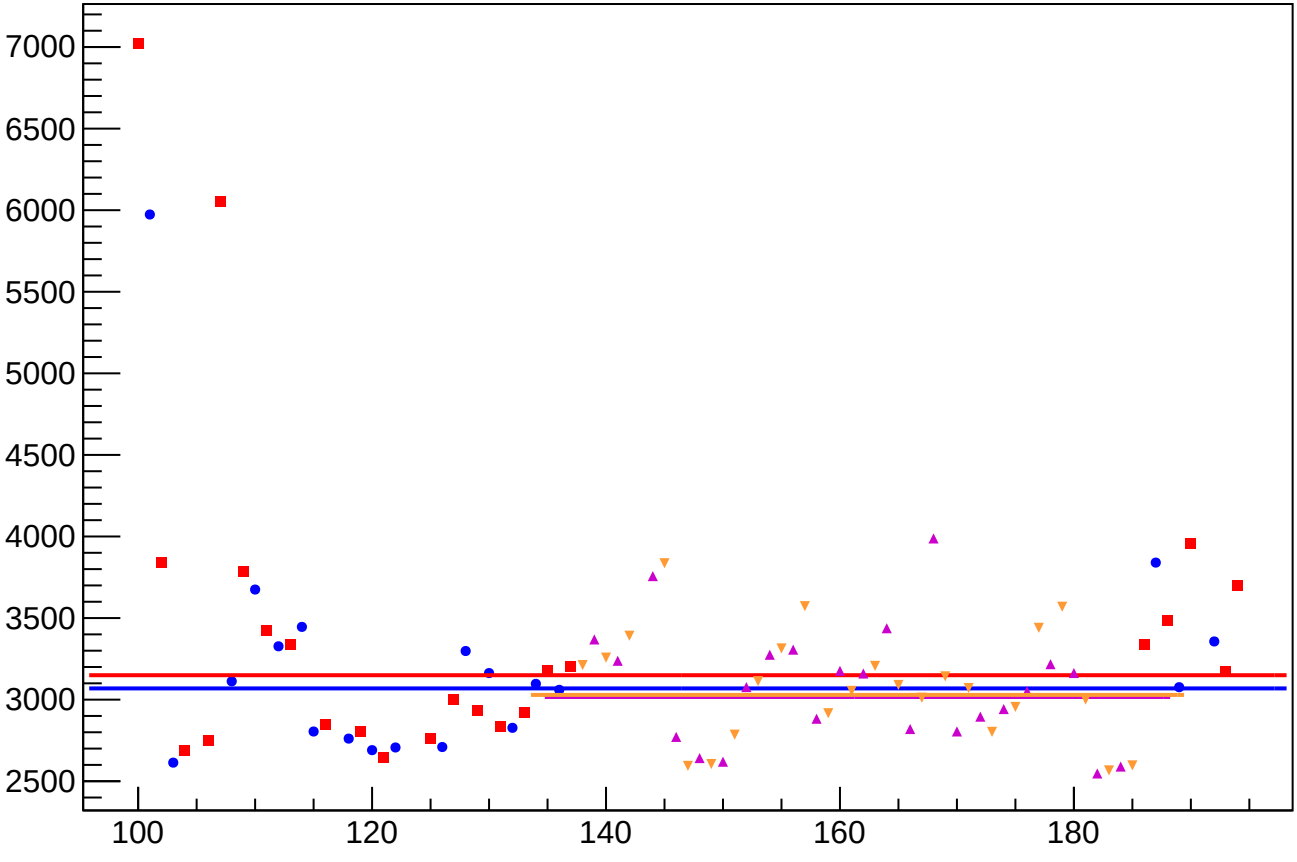
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 3976.697+/-585.867 χ^2/NDF: 45.7/42

All: -300.845+/-410.238 χ^2/NDF: 199.9/88

- sign -4415.792+/-574.624 χ^2/NDF: 49.7/45

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

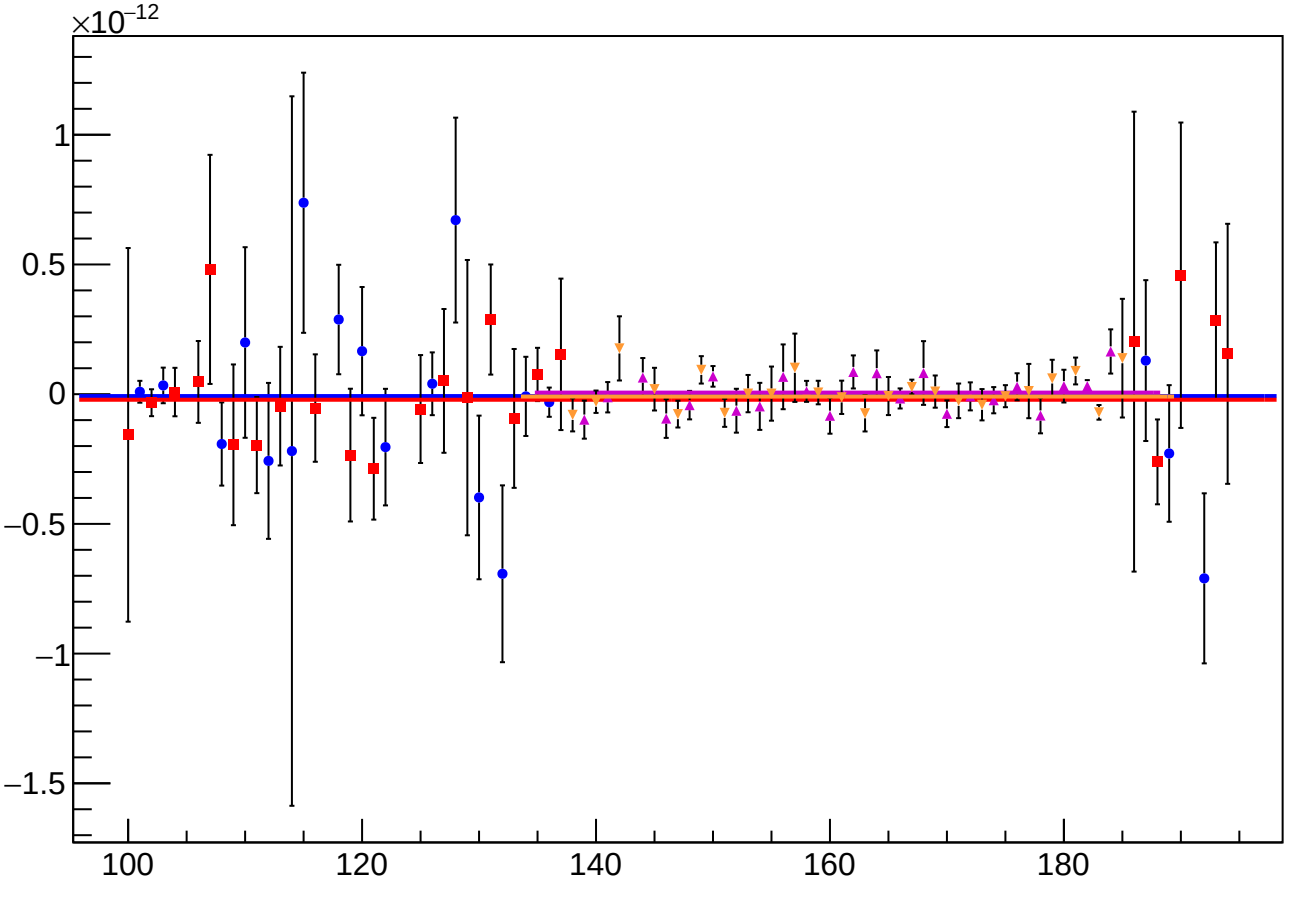
Right Out: 3149.717+/-0.693 χ^2/NDF: 450856.5/22

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3041.555+/-0.414 χ^2/NDF: 875427.1/42

All: 3052.072+/-0.290 χ^2/NDF: 1791800.6/88

- sign 3062.190+/-0.406 χ^2/NDF: 915108.9/45



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

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

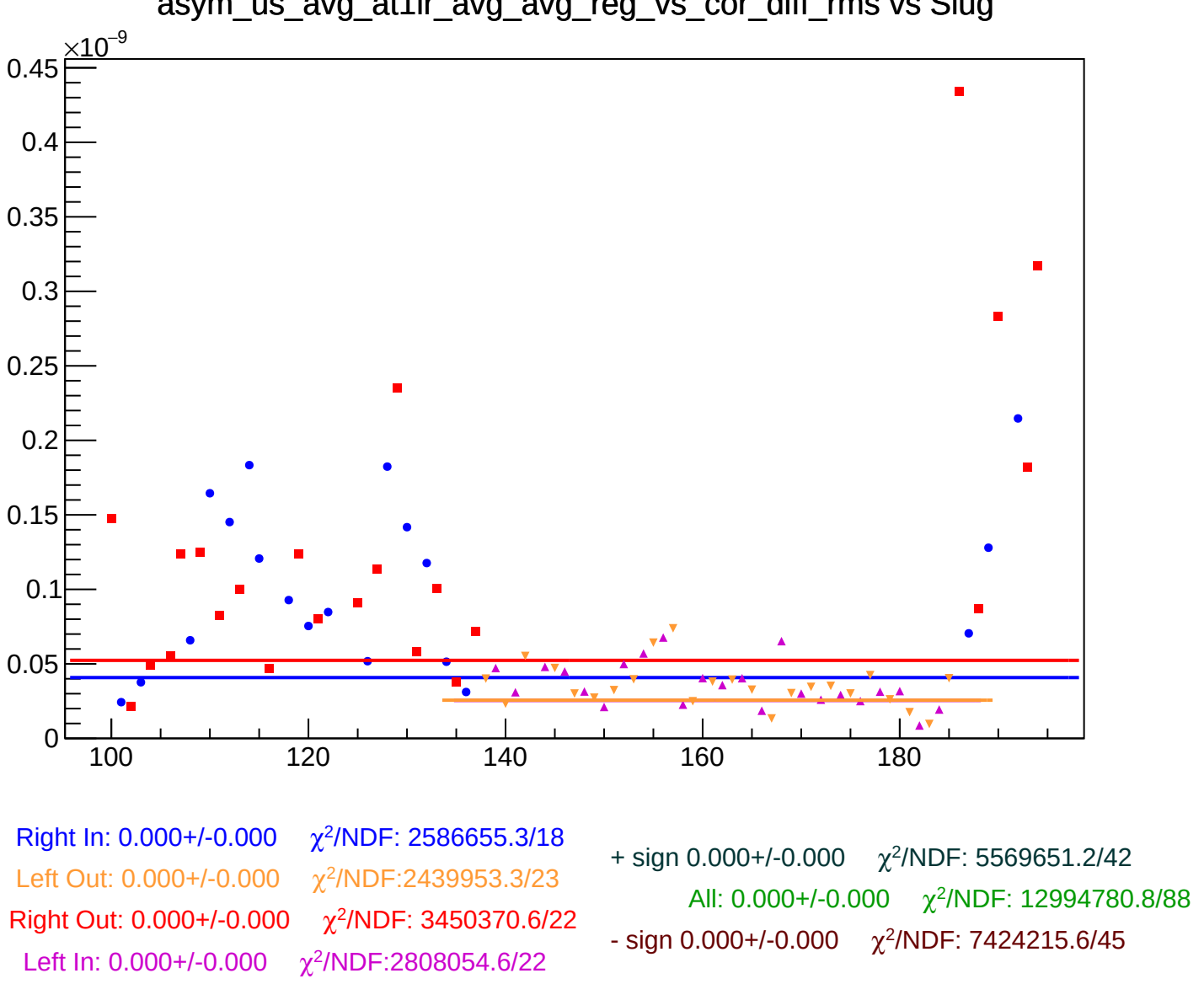
Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/22

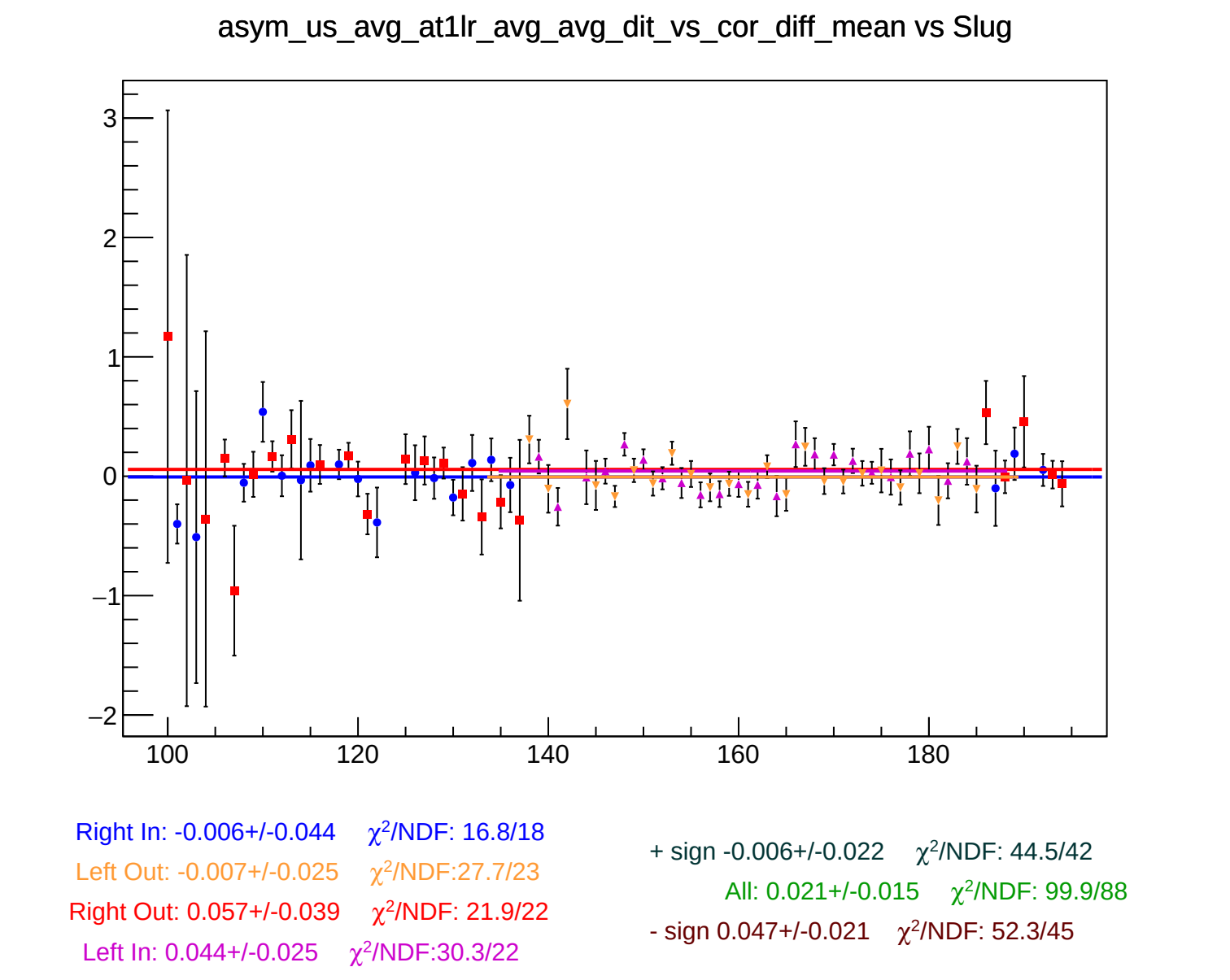
Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

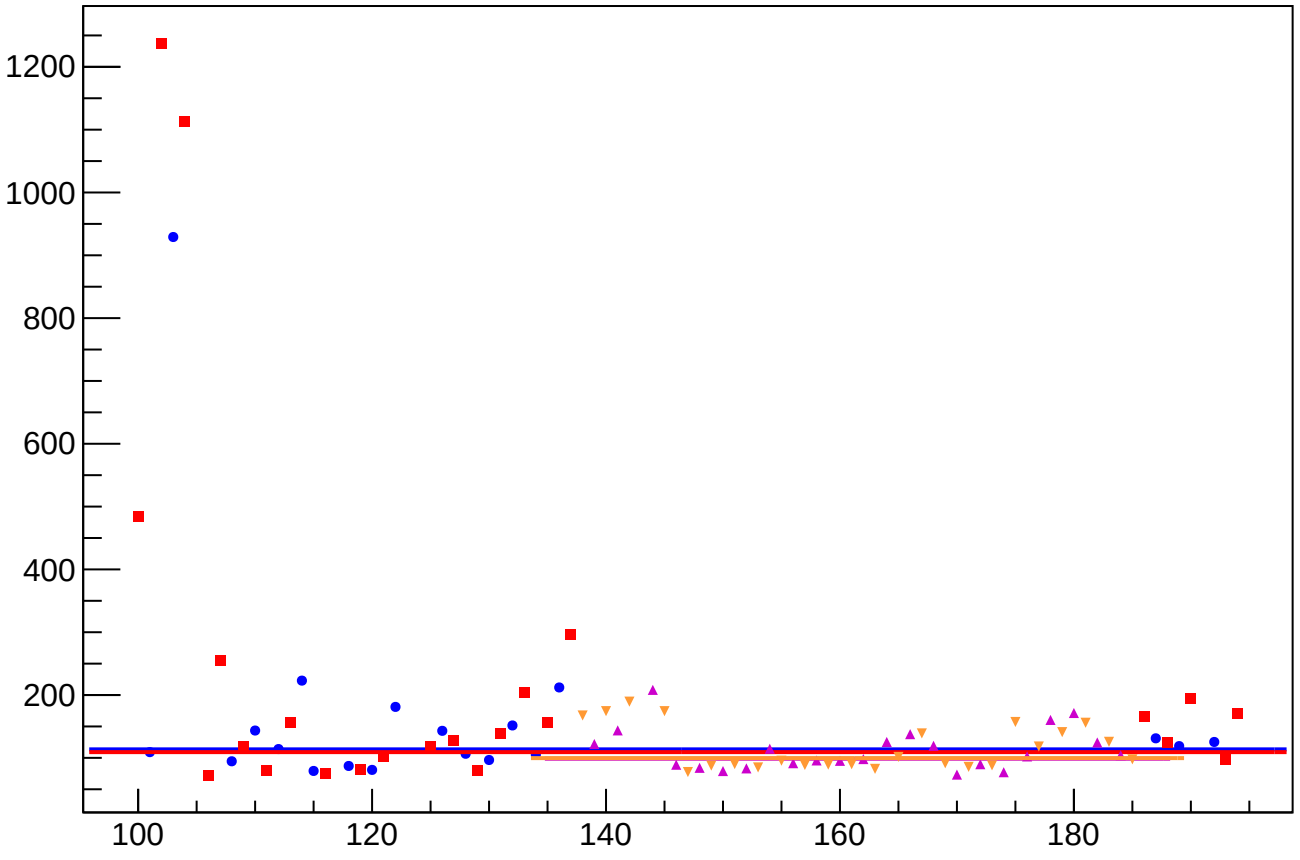
+ sign -0.000+/-0.000 χ^2/NDF: 46.8/42

All: -0.000+/-0.000 χ^2/NDF: 84.4/88

- sign 0.000+/-0.000 χ^2/NDF: 36.9/45


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 2586655.3/18
Left Out: 0.000+/-0.000 χ²/NDF:2439953.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 3450370.6/22
Left In: 0.000+/-0.000 χ²/NDF:2808054.6/22
+ sign 0.000+/-0.000 χ²/NDF: 5569651.2/42
All: 0.000+/-0.000 χ²/NDF: 12994780.8/88
- sign 0.000+/-0.000 χ²/NDF: 7424215.6/45


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: 0.057+/-0.039 χ²/NDF: 21.9/22
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign -0.006+/-0.022 χ²/NDF: 44.5/42
All: 0.021+/-0.015 χ²/NDF: 99.9/88
- sign 0.047+/-0.021 χ²/NDF: 52.3/45



Right In: 113.535+/-0.031 χ^2/NDF: 1866121.1/18

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 109.139+/-0.028 χ^2/NDF: 3309984.4/22

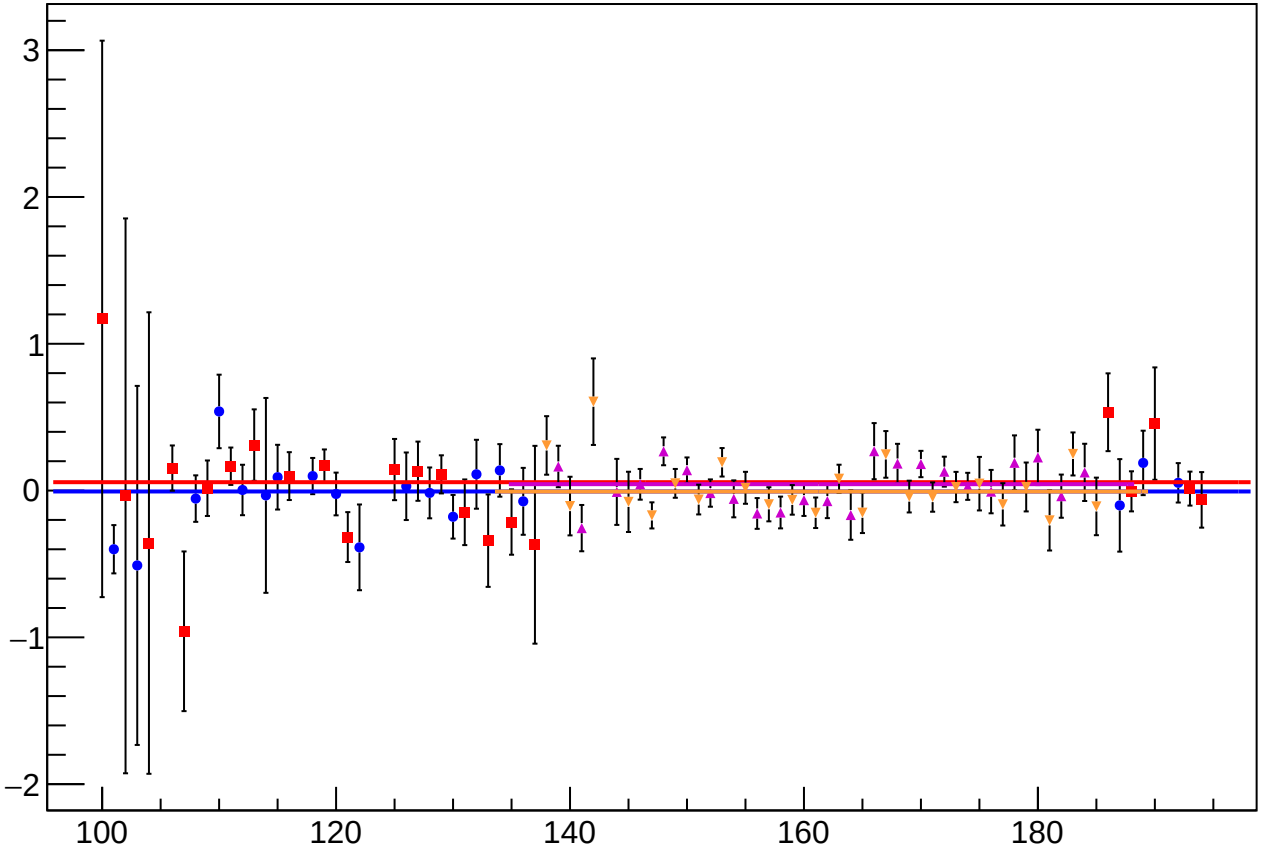
Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 103.112+/-0.015 χ^2/NDF: 4090342.4/42

All: 102.370+/-0.011 χ^2/NDF: 9508410.1/88

- sign 101.677+/-0.015 χ^2/NDF: 5413621.2/45

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

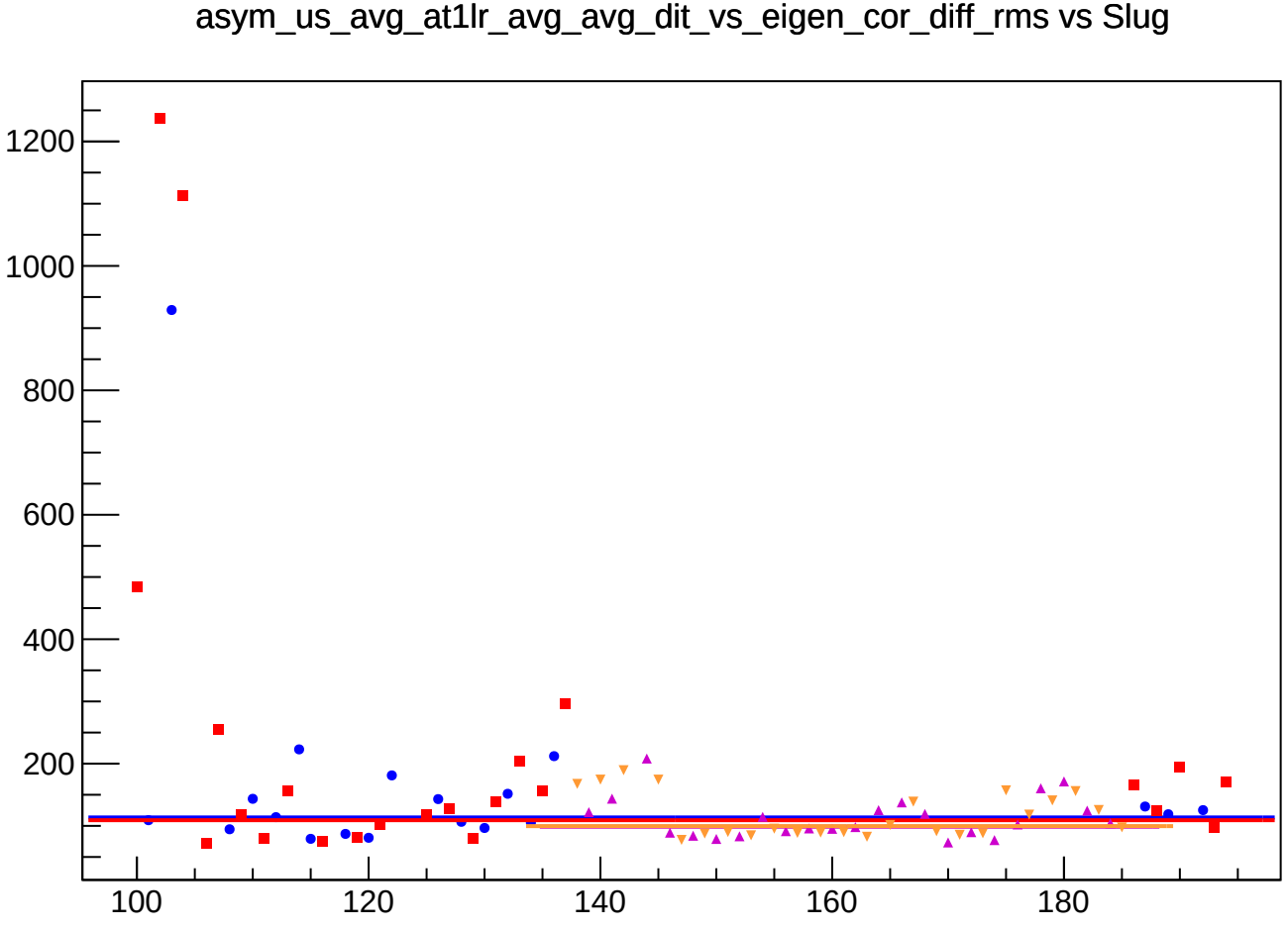
Right Out: 0.057+/-0.039 χ^2/NDF: 21.9/22

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.006+/-0.022 χ^2/NDF: 44.5/42

All: 0.021+/-0.015 χ^2/NDF: 99.9/88

- sign 0.047+/-0.021 χ^2/NDF: 52.3/45



Right In: 113.535+/-0.031 χ^2/NDF: 1866121.1/18

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

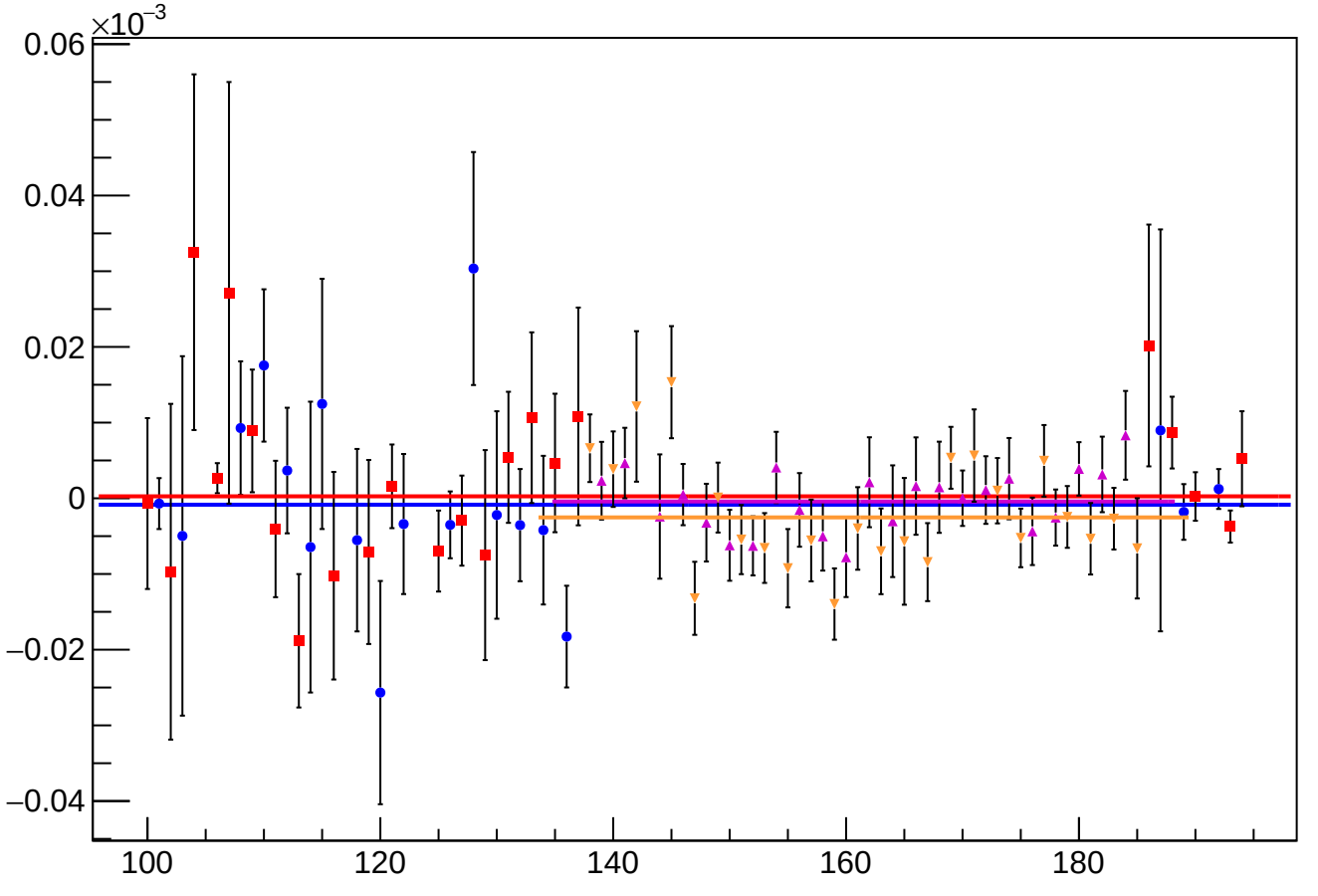
Right Out: 109.139+/-0.028 χ^2/NDF: 3309984.4/22

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 103.112+/-0.015 χ^2/NDF: 4090342.4/42

All: 102.370+/-0.011 χ^2/NDF: 9508410.1/88

- sign 101.677+/-0.015 χ^2/NDF: 5413621.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 21.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

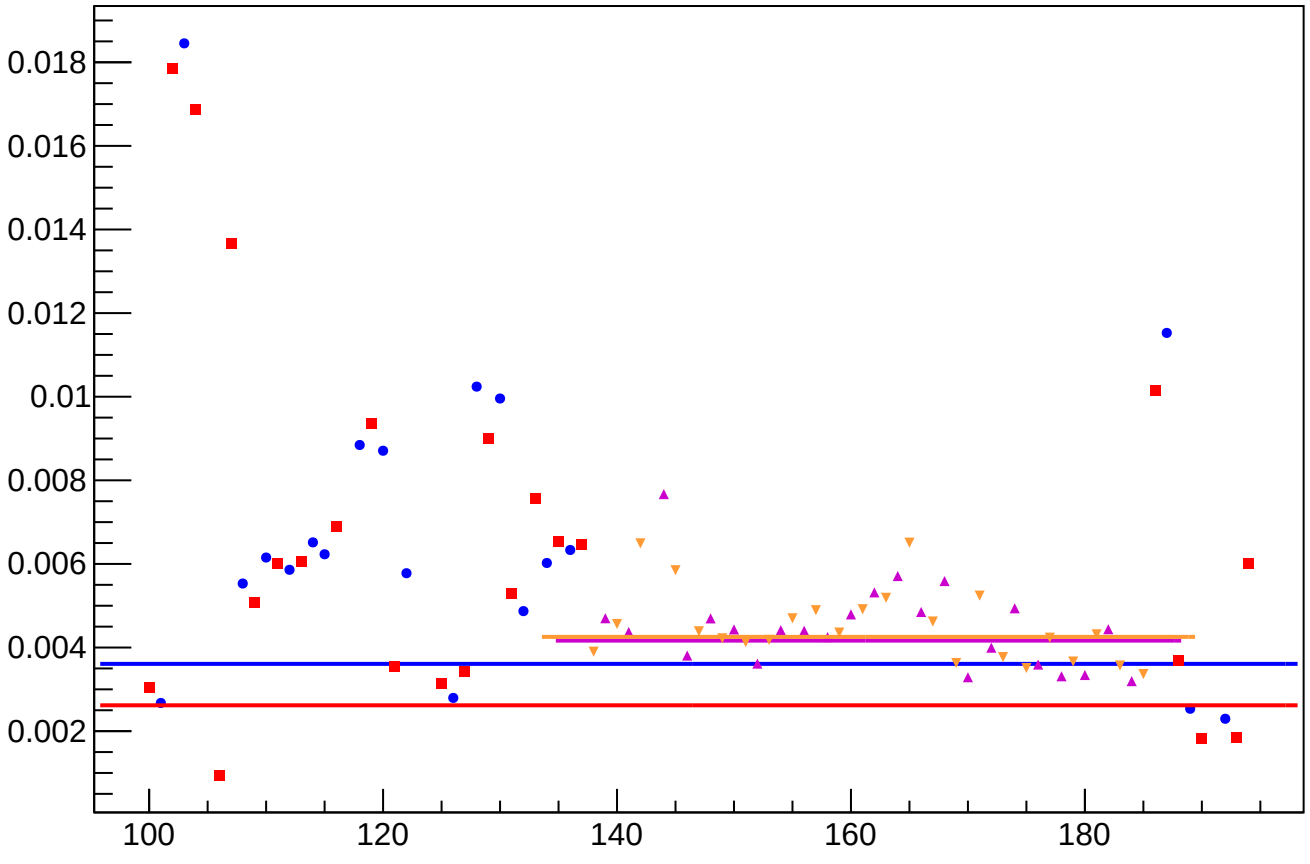
Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/22

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.2/42

All: -0.000+/-0.000 χ^2/NDF: 105.9/88

- sign -0.000+/-0.000 χ^2/NDF: 40.9/45



Right In: 0.004+/-0.000 χ^2/NDF: 4348539.1/18

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 8147570.8/22

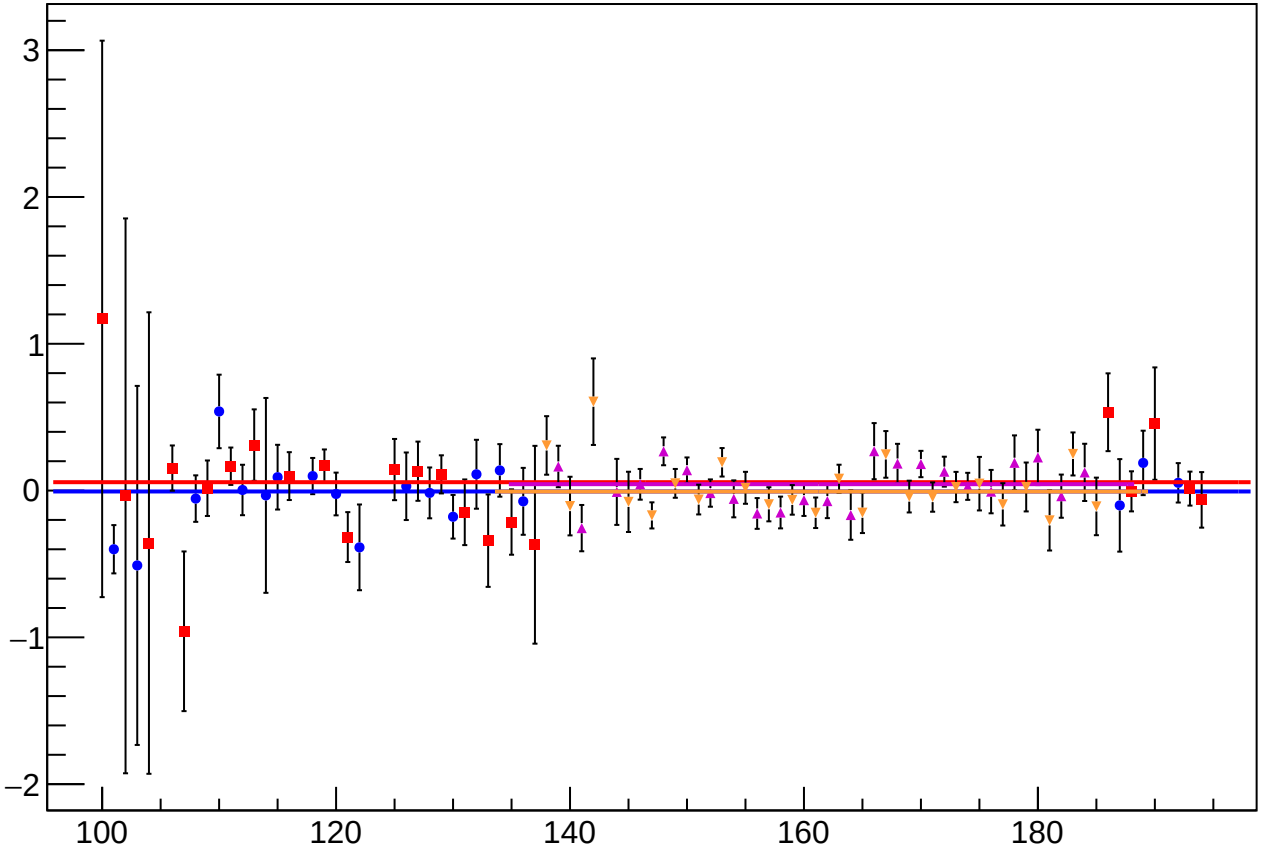
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 5453003.6/42

All: 0.004+/-0.000 χ^2/NDF: 17647024.3/88

- sign 0.003+/-0.000 χ^2/NDF: 11639153.7/45

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

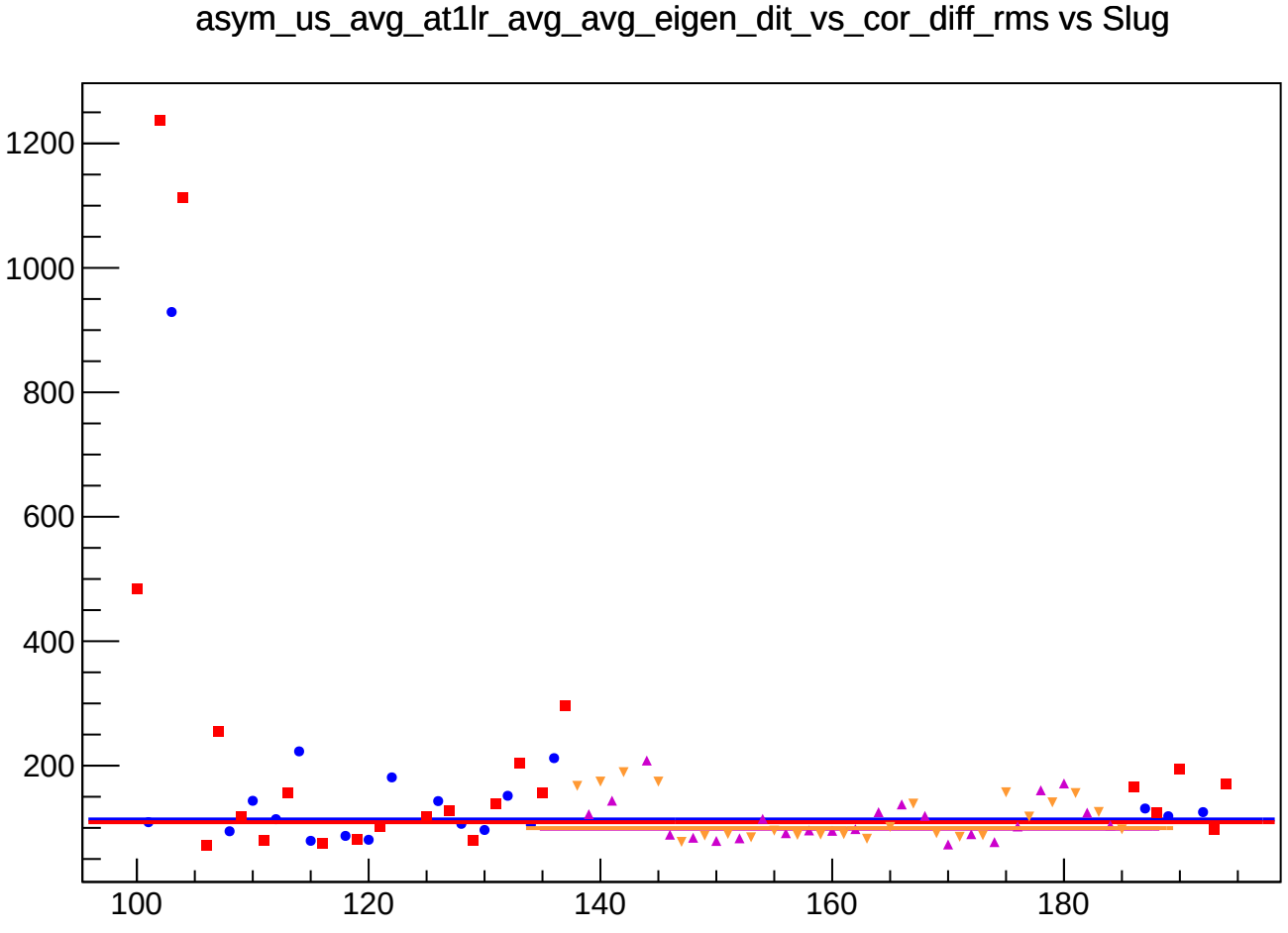
Right Out: 0.057+/-0.039 χ^2/NDF: 21.9/22

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.006+/-0.022 χ^2/NDF: 44.5/42

All: 0.021+/-0.015 χ^2/NDF: 99.9/88

- sign 0.047+/-0.021 χ^2/NDF: 52.3/45



Right In: 113.533+/-0.031 χ^2/NDF: 1866179.9/18

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 109.138+/-0.028 χ^2/NDF: 3310009.3/22

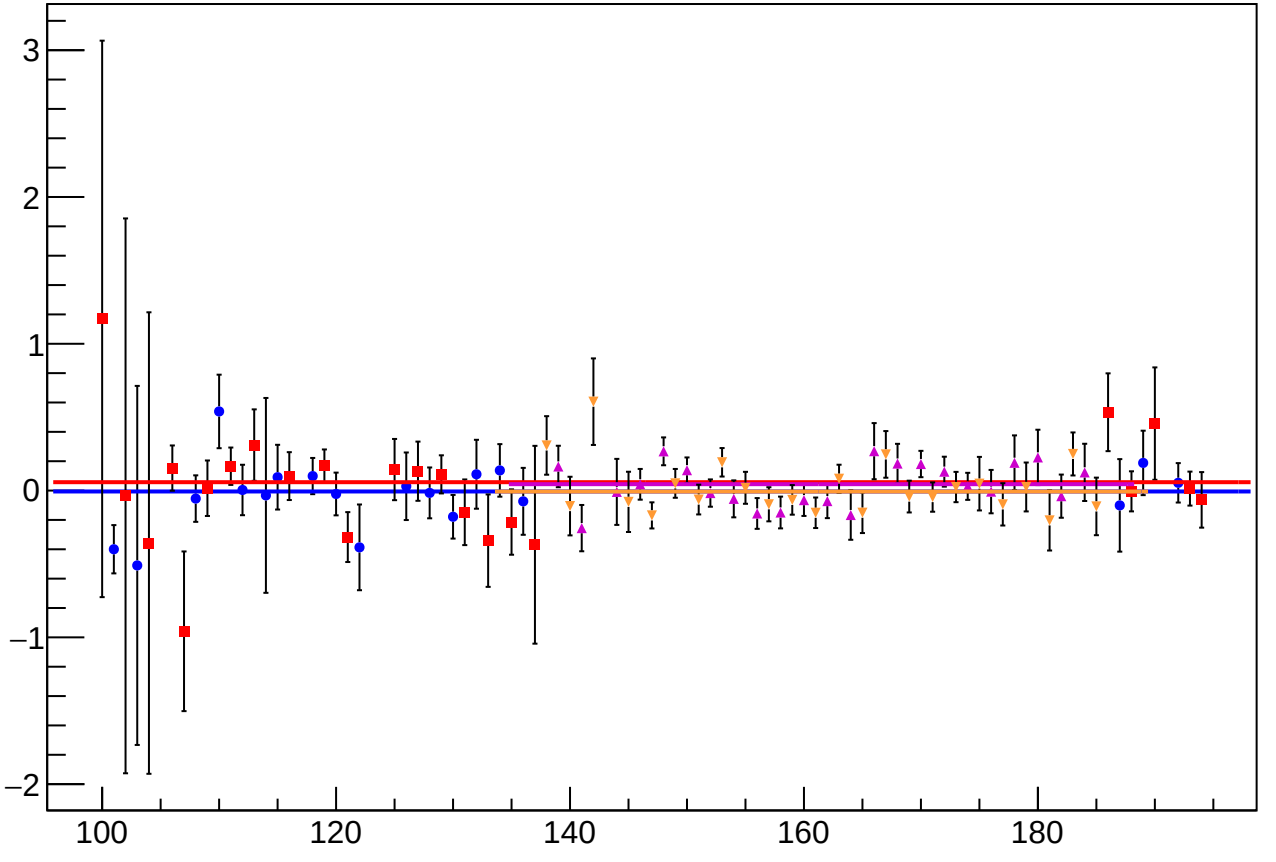
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 103.112+/-0.015 χ^2/NDF: 4090304.1/42

All: 102.370+/-0.011 χ^2/NDF: 9508336.5/88

- sign 101.677+/-0.015 χ^2/NDF: 5413585.6/45

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

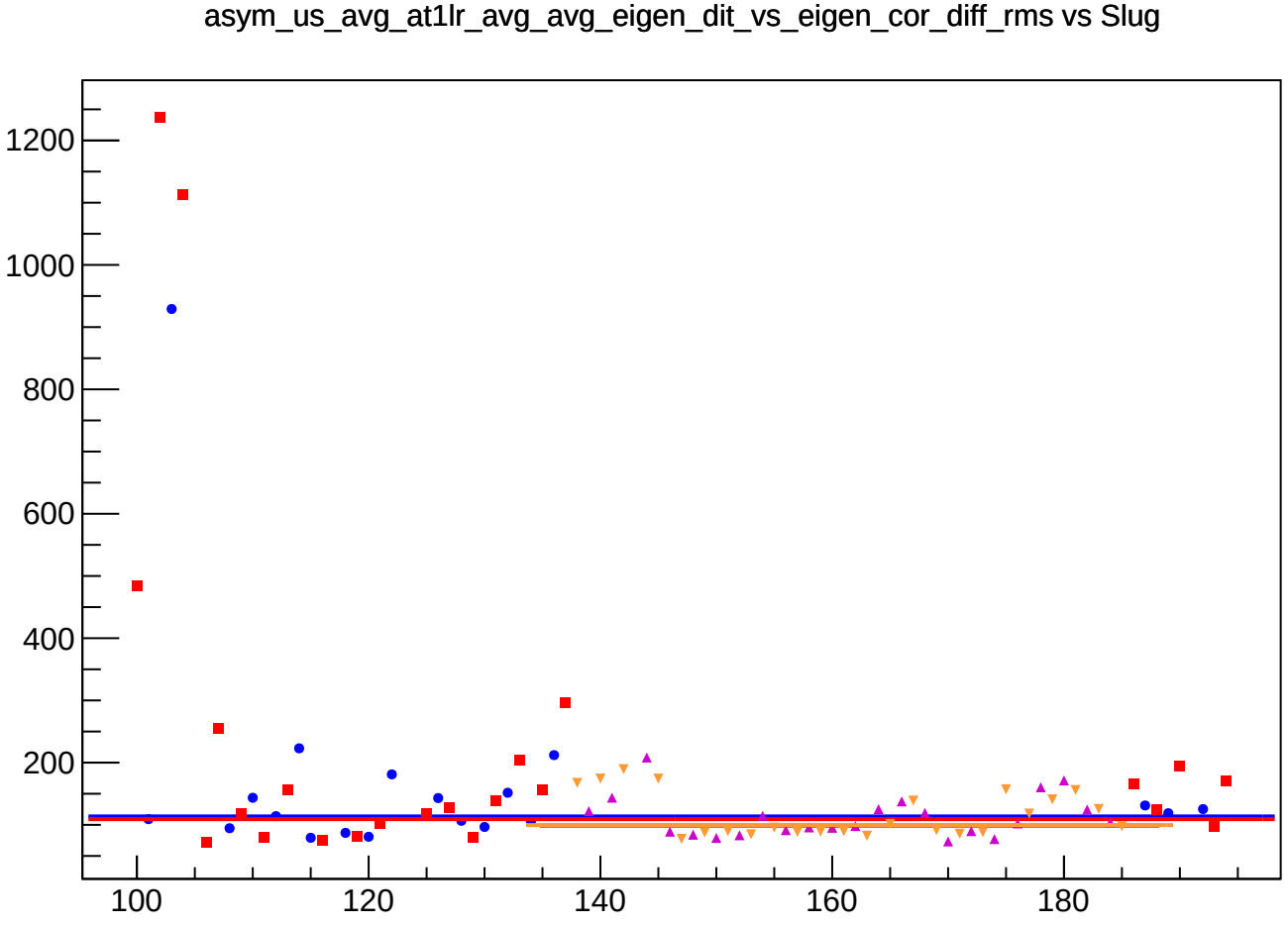
Right Out: 0.057+/-0.039 χ^2/NDF: 21.9/22

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.006+/-0.022 χ^2/NDF: 44.5/42

All: 0.021+/-0.015 χ^2/NDF: 99.9/88

- sign 0.047+/-0.021 χ^2/NDF: 52.3/45



Right In: 113.533+/-0.031 χ^2/NDF: 1866179.9/18

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

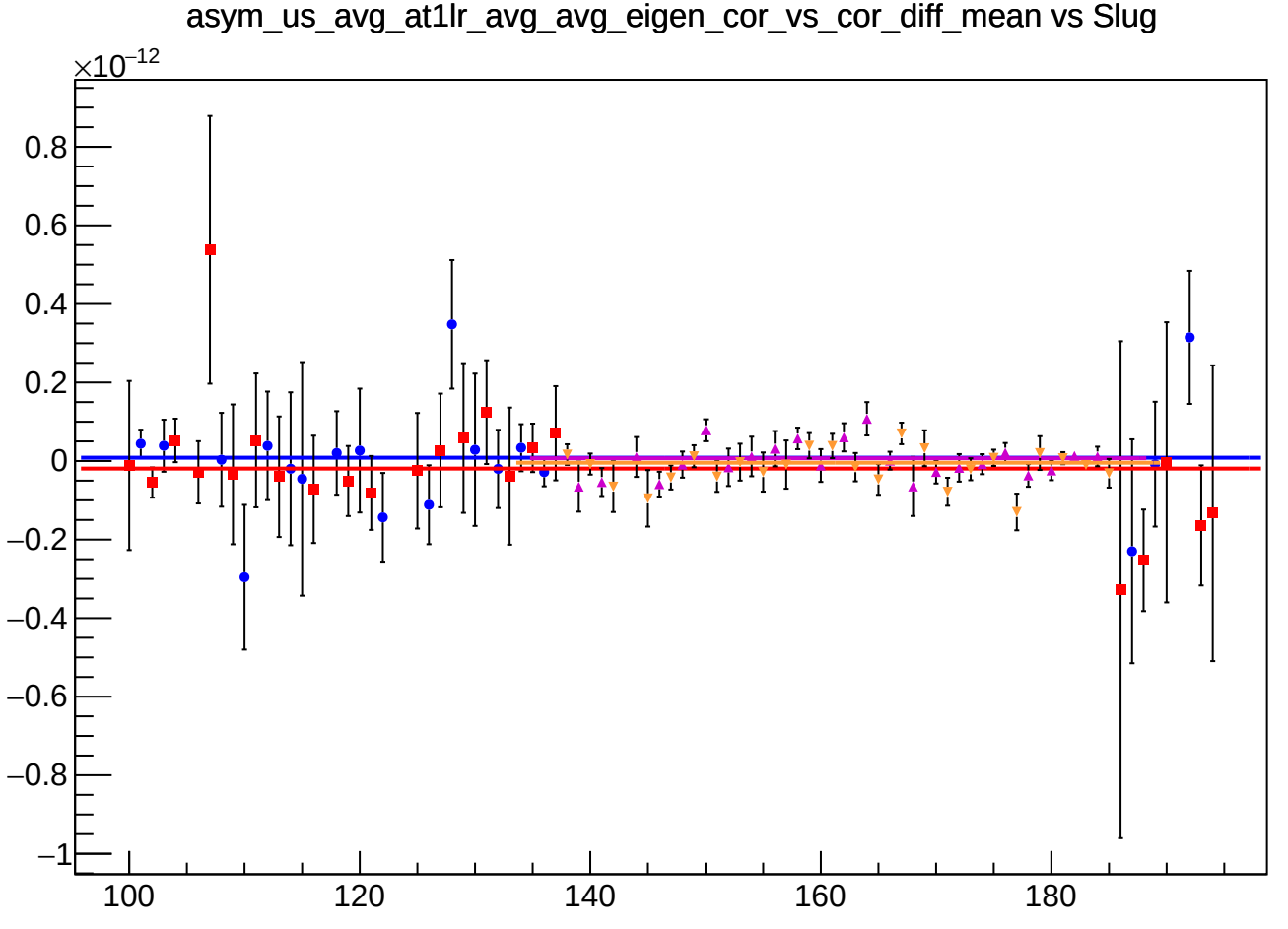
Right Out: 109.138+/-0.028 χ^2/NDF: 3310009.3/22

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 103.112+/-0.015 χ^2/NDF: 4090304.1/42

All: 102.370+/-0.011 χ^2/NDF: 9508336.5/88

- sign 101.677+/-0.015 χ^2/NDF: 5413585.6/45



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

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

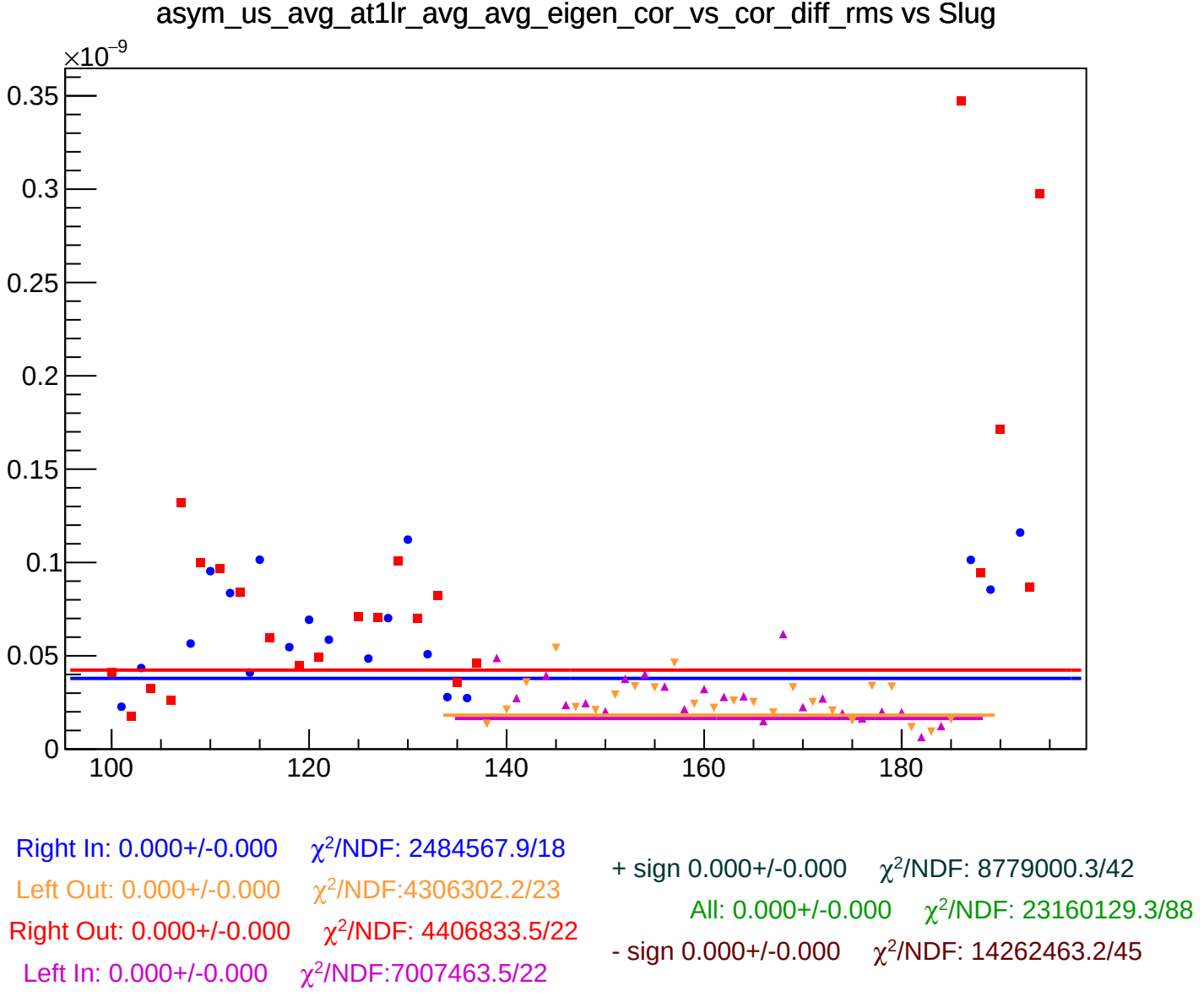
Right Out: -0.000+/-0.000 χ^2/NDF: 13.4/22

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

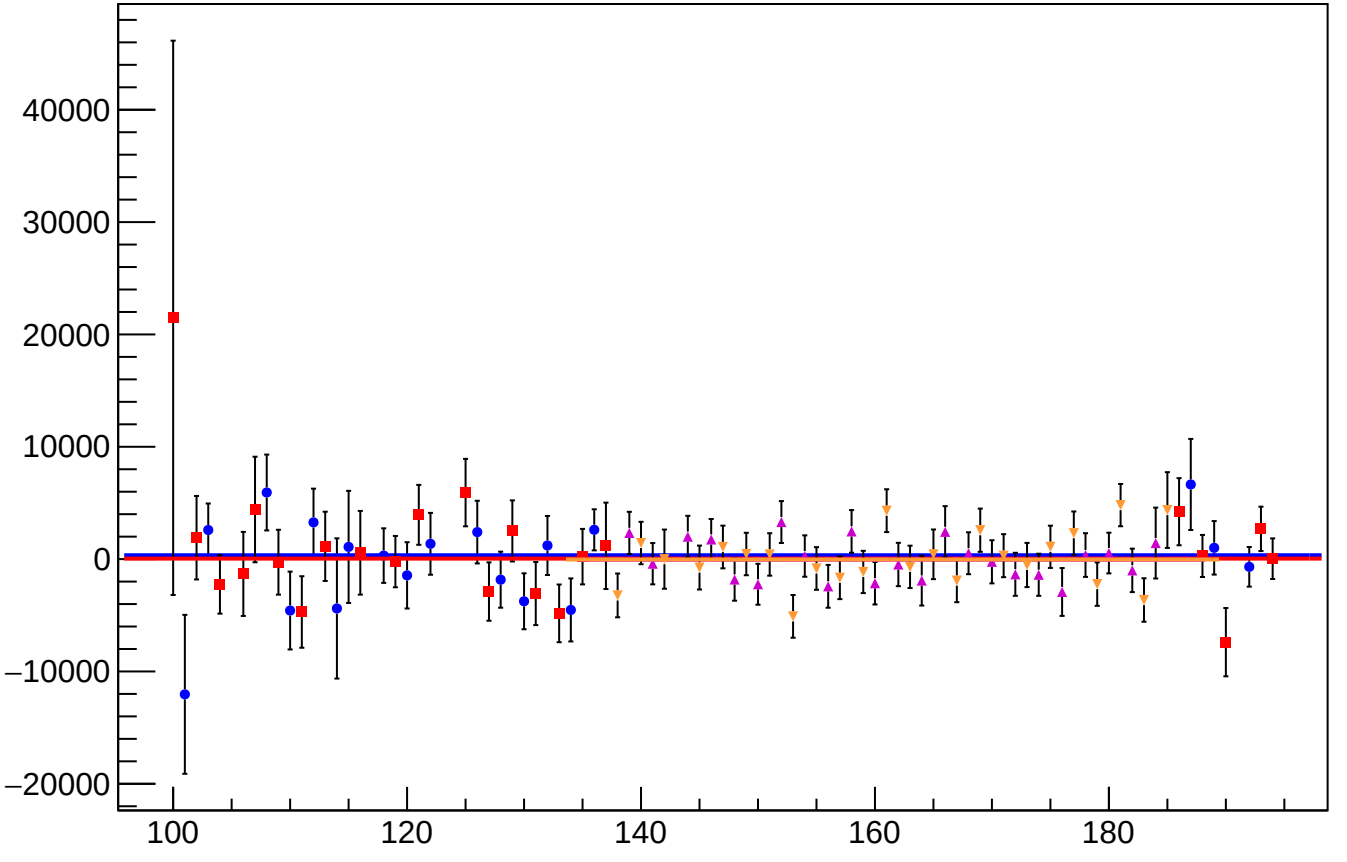
+ sign -0.000+/-0.000 χ^2/NDF: 50.3/42

All: 0.000+/-0.000 χ^2/NDF: 101.6/88

- sign 0.000+/-0.000 χ^2/NDF: 50.1/45


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: 4406833.5/22
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: 23160129.3/88
- sign 0.000+/-0.000 χ²/NDF: 14262463.2/45

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: 46.206+/-573.668 χ^2/NDF: 27.9/22

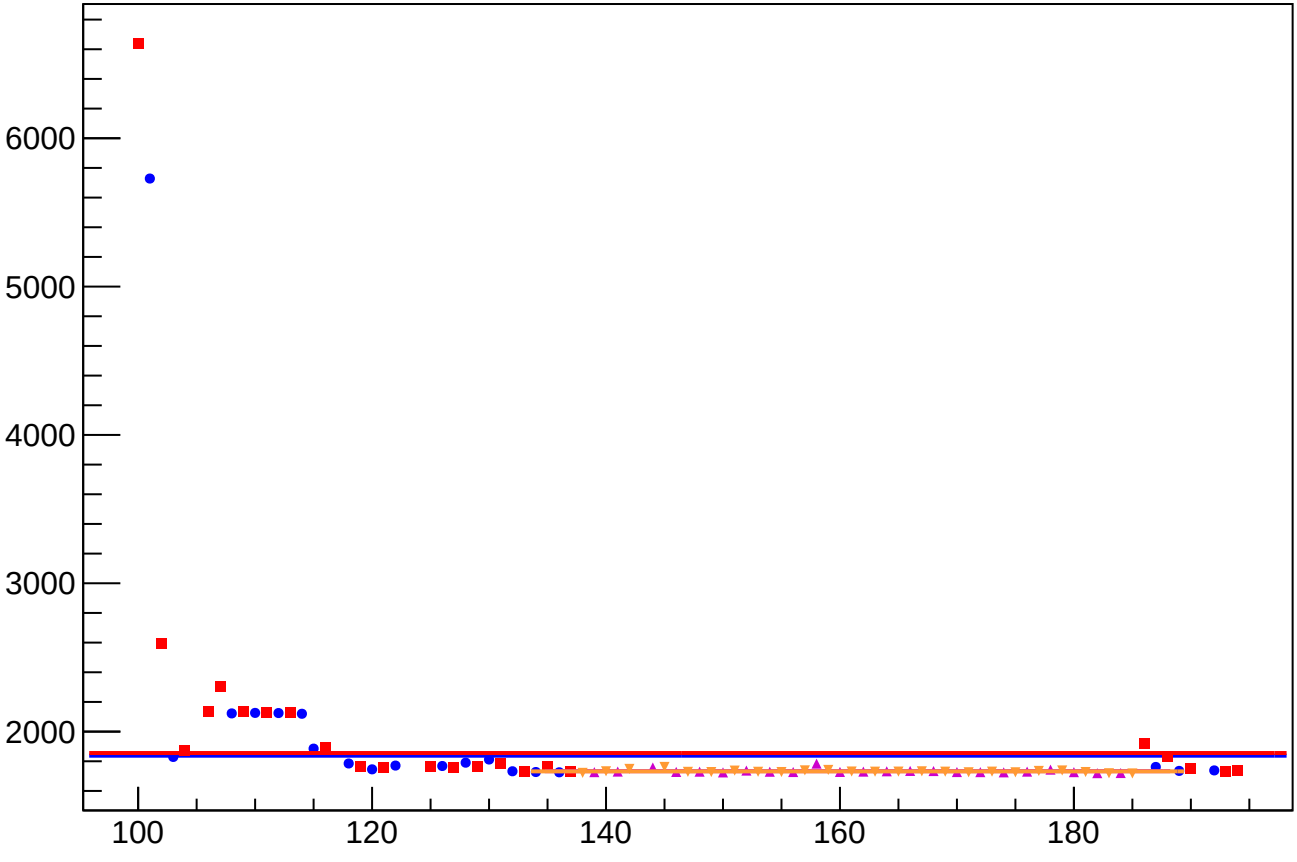
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 75.728+/-338.393 χ^2/NDF: 57.9/42

All: 26.815+/-236.511 χ^2/NDF: 105.3/88

- sign -19.898+/-330.694 χ^2/NDF: 47.3/45

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

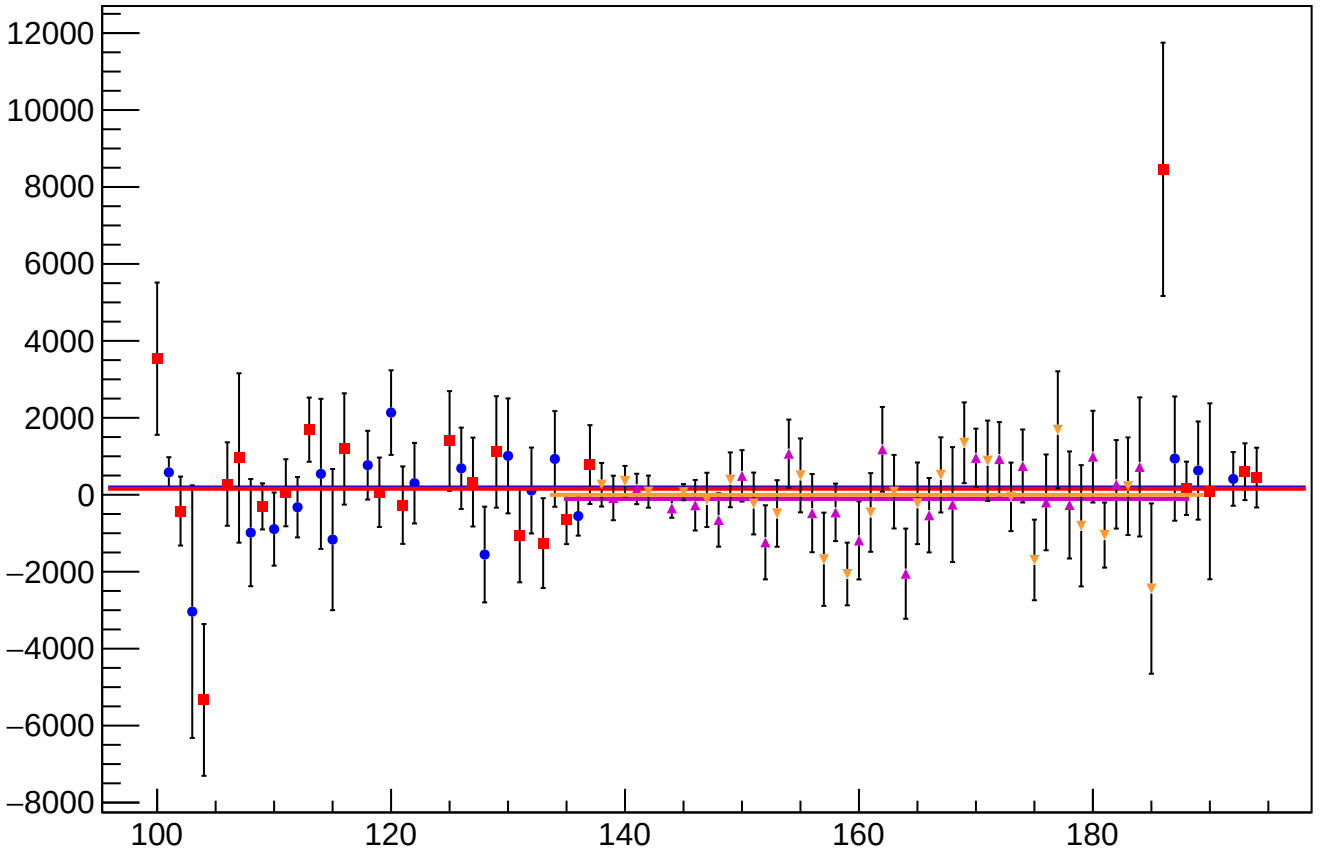
Right Out: 1855.634+/-0.406 χ^2/NDF: 277251.2/22

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.771+/-0.239 χ^2/NDF: 727681.7/42

All: 1768.495+/-0.167 χ^2/NDF: 1068994.6/88

- sign 1773.962+/-0.234 χ^2/NDF: 340194.0/45



Right In: 189.063+/-205.431 χ^2/NDF: 13.9/18

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

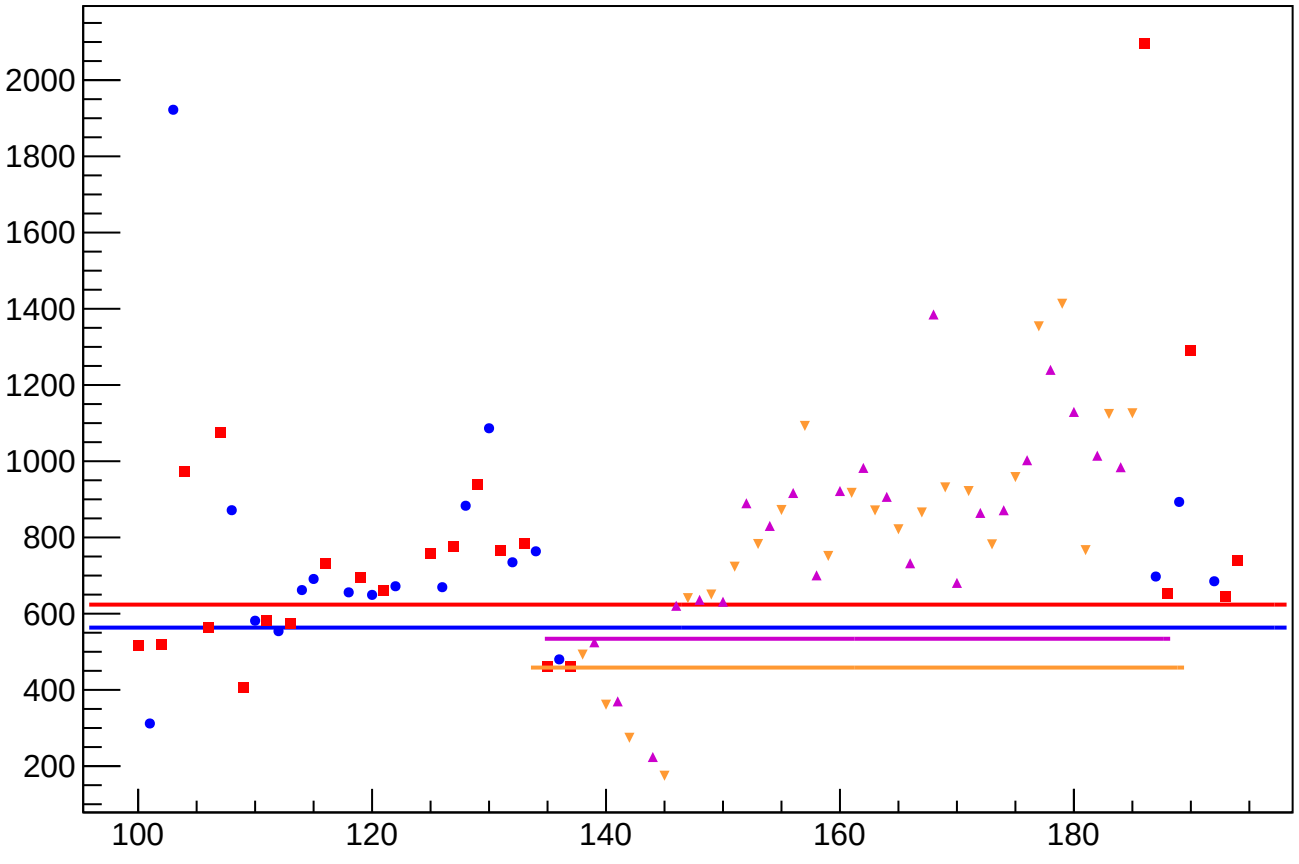
Right Out: 156.218+/-206.385 χ^2/NDF: 28.5/22

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 52.375+/-109.883 χ^2/NDF: 34.8/42

All: 17.603+/-80.326 χ^2/NDF: 81.7/88

- sign -22.304+/-117.717 χ^2/NDF: 46.6/45



Right In: 563.429+/-0.145 χ^2/NDF: 2087347.5/18

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 623.756+/-0.146 χ^2/NDF: 1498149.7/22

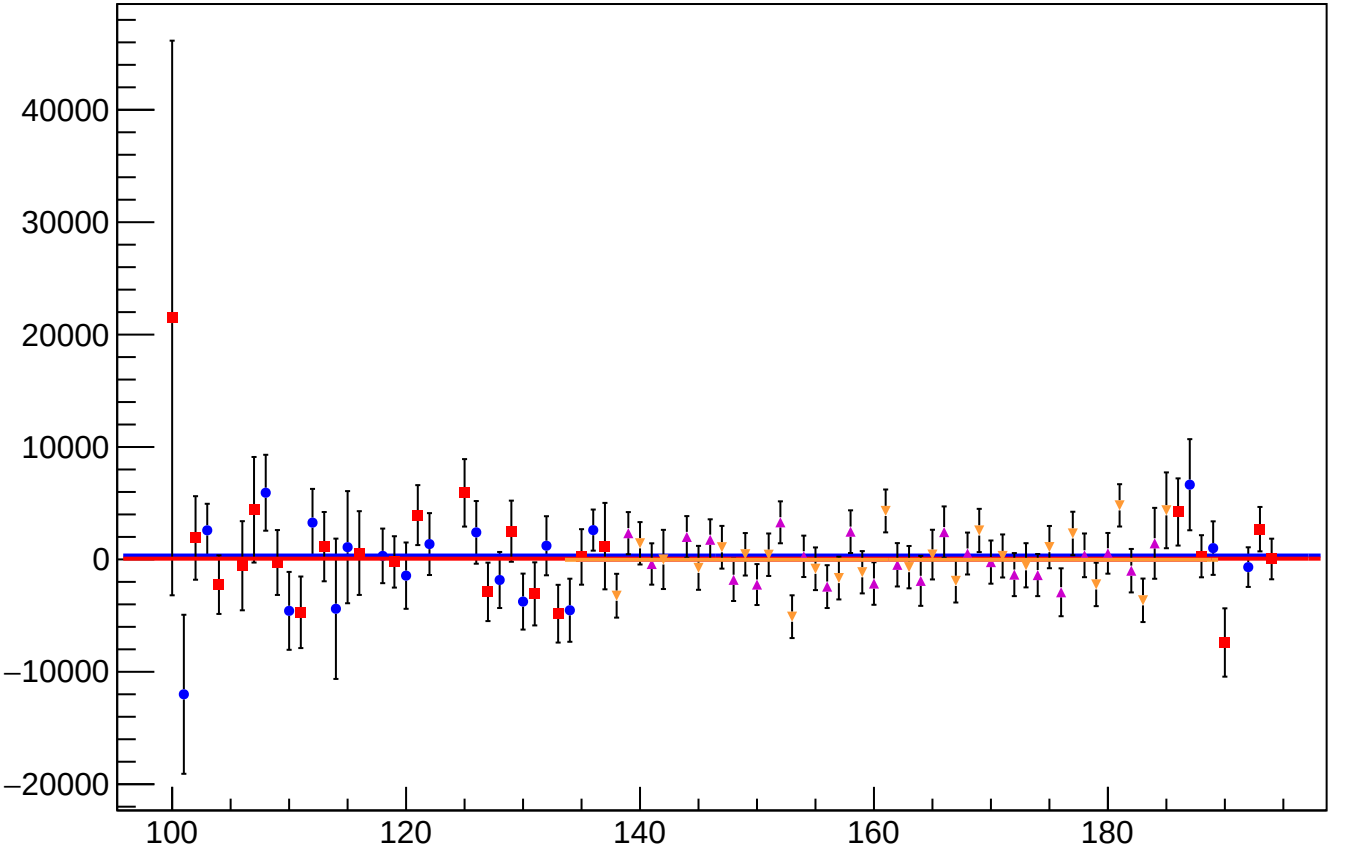
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 488.578+/-0.078 χ^2/NDF: 13886017.5/42

All: 523.374+/-0.057 χ^2/NDF: 24512476.5/88

- sign 563.308+/-0.083 χ^2/NDF: 10195735.6/45

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: 65.688+/-574.403 χ^2/NDF: 27.8/22

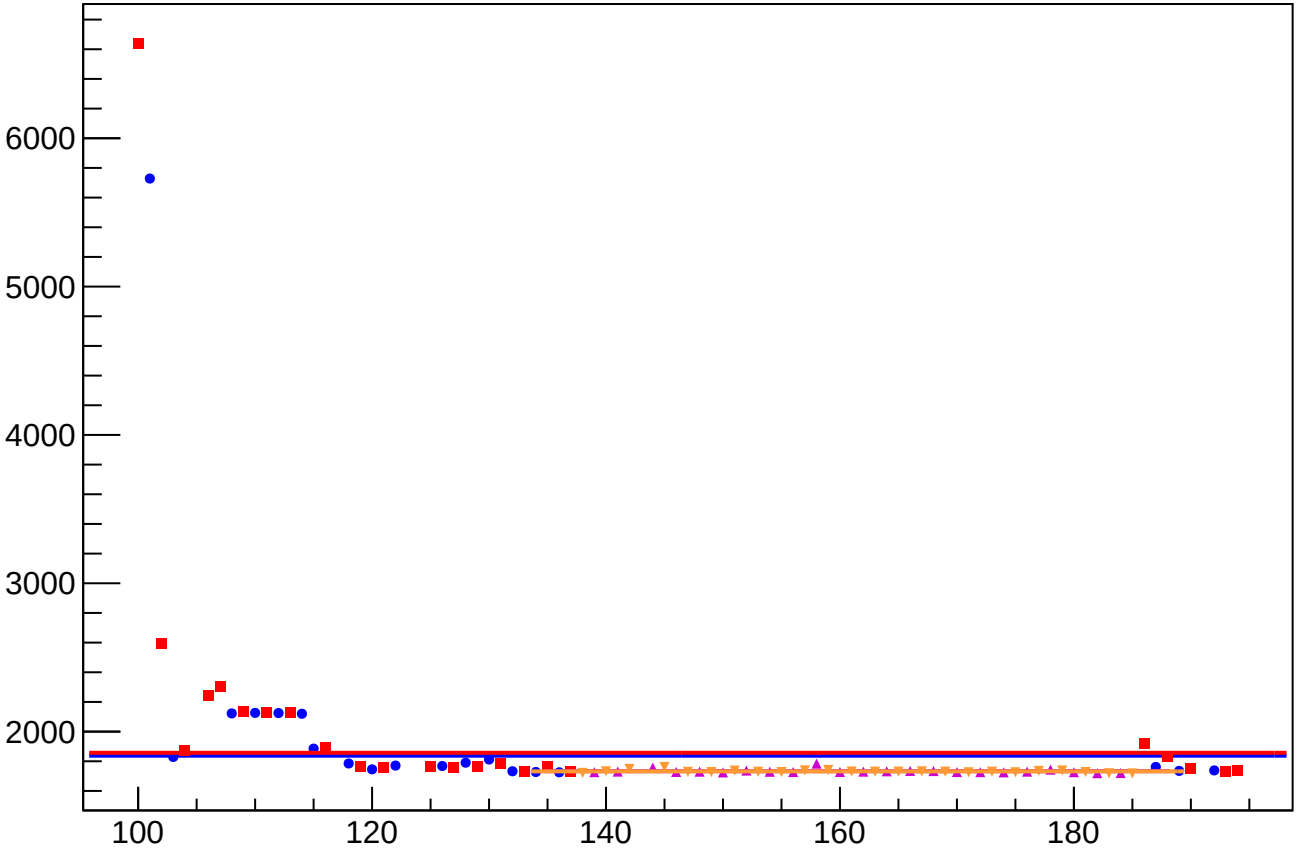
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 75.806+/-338.393 χ^2/NDF: 57.9/42

All: 30.177+/-236.563 χ^2/NDF: 105.2/88

- sign -13.436+/-330.835 χ^2/NDF: 47.2/45

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

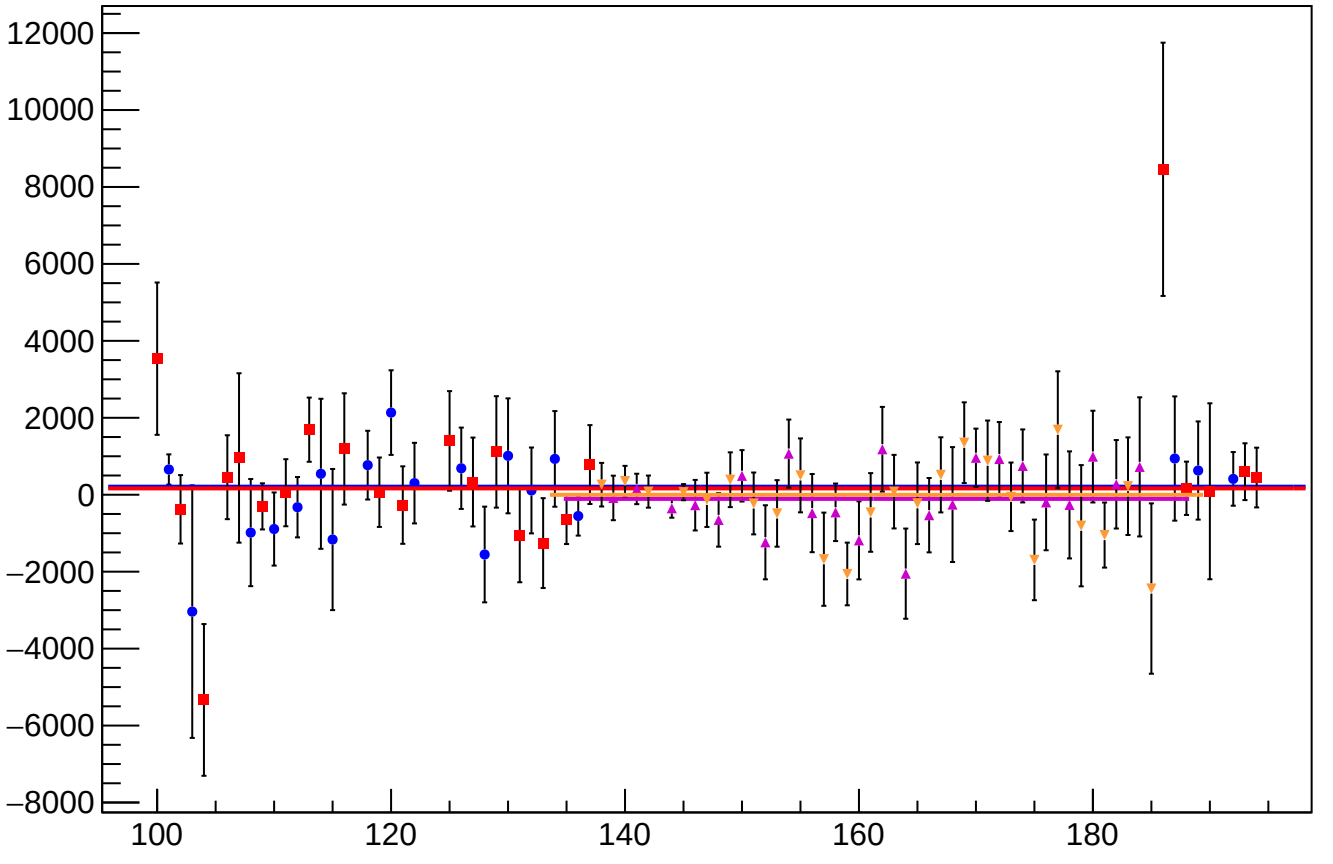
Right Out: 1857.120+/-0.406 χ^2/NDF: 284927.8/22

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.771+/-0.239 χ^2/NDF: 727681.5/42

All: 1768.709+/-0.167 χ^2/NDF: 1078134.0/88

- sign 1774.385+/-0.234 χ^2/NDF: 349247.9/45



Right In: 209.367+/-205.370 χ^2/NDF: 14.4/18

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

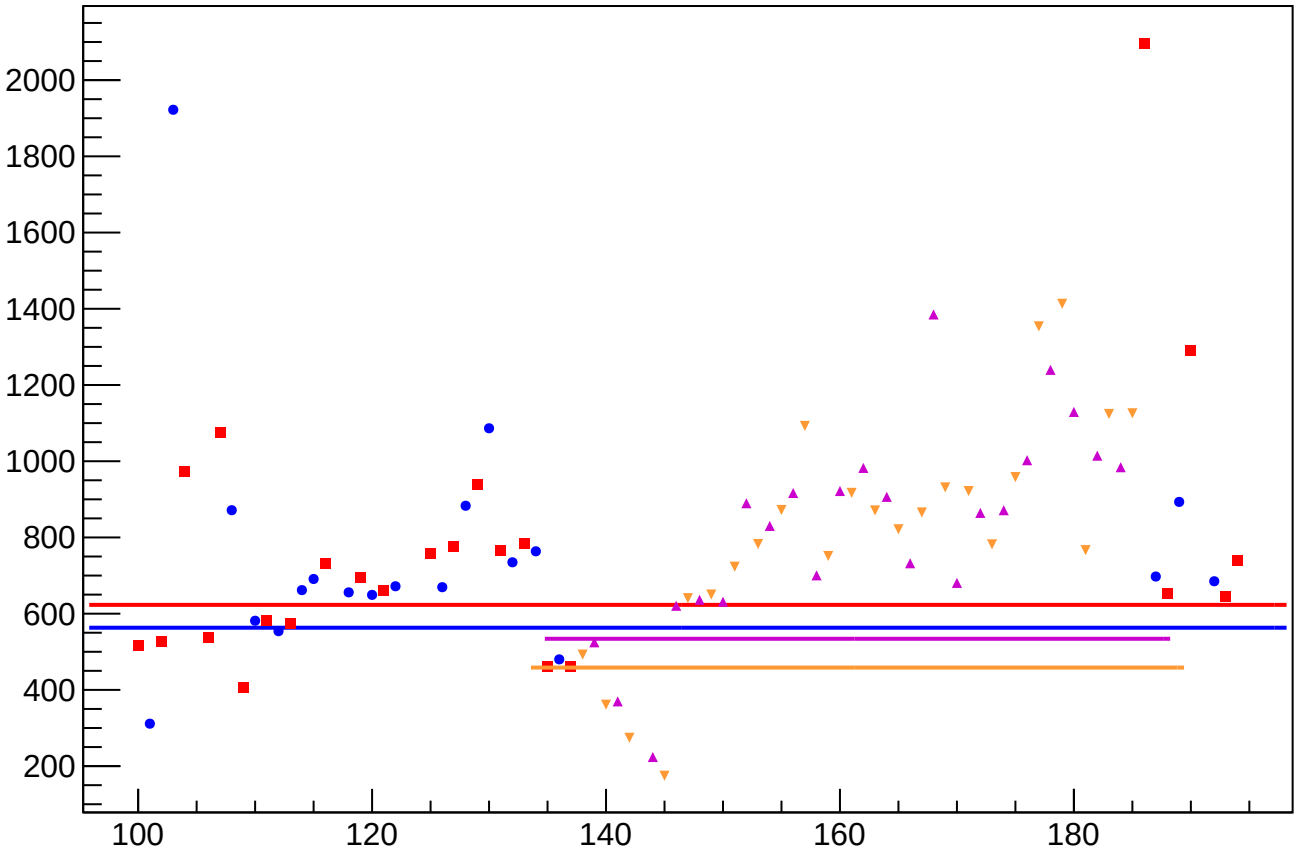
Right Out: 164.401+/-206.349 χ^2/NDF: 28.5/22

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 58.124+/-109.875 χ^2/NDF: 35.4/42

All: 21.934+/-80.321 χ^2/NDF: 82.3/88

- sign -19.601+/-117.710 χ^2/NDF: 46.7/45



Right In: 563.143+/-0.145 χ^2/NDF: 2092347.0/18

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

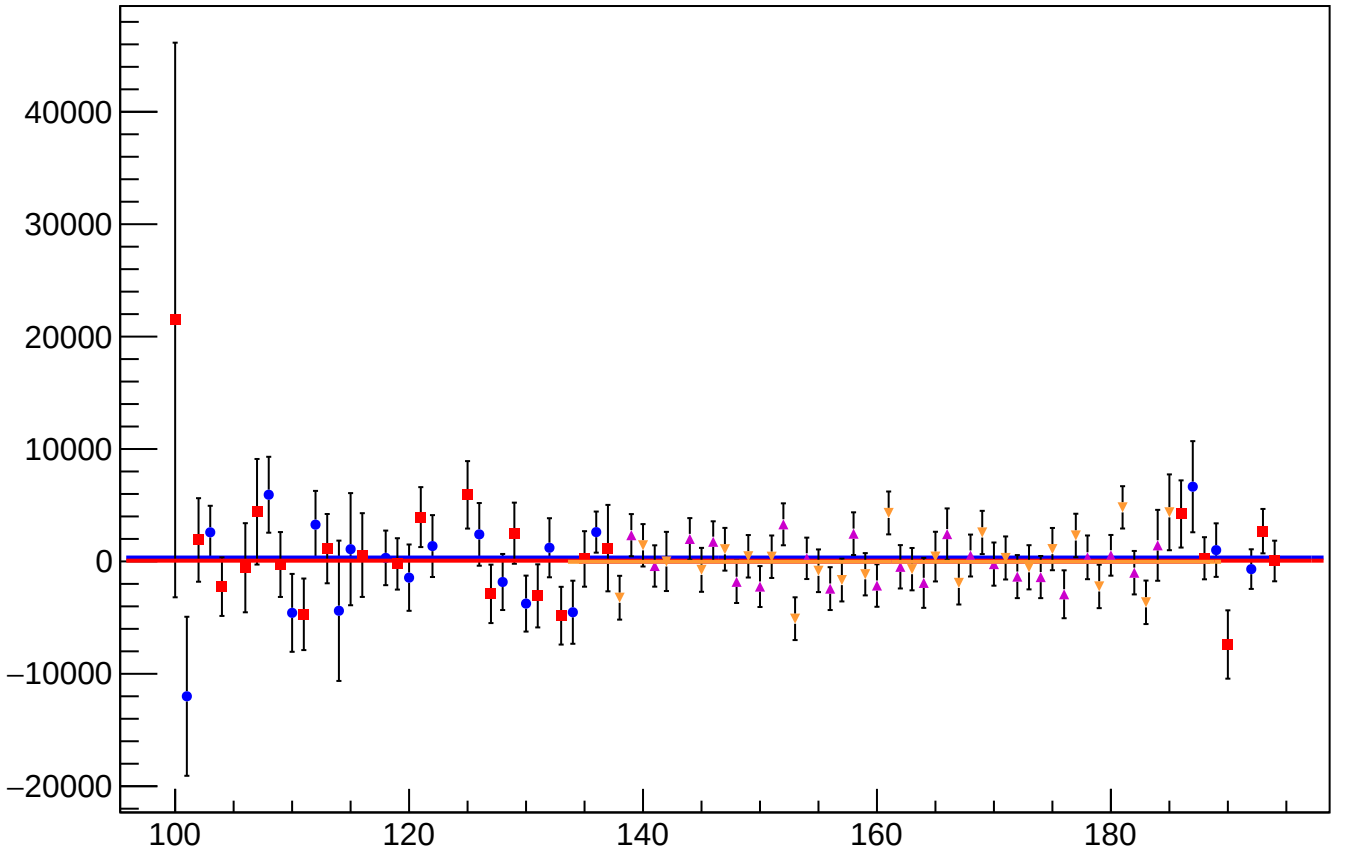
Right Out: 623.099+/-0.146 χ^2/NDF: 1501553.9/22

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 488.516+/-0.078 χ^2/NDF: 13888655.0/42

All: 523.247+/-0.057 χ^2/NDF: 24512777.8/88

- sign 563.107+/-0.083 χ^2/NDF: 10194959.2/45



Right In: 344.742+/-626.963 χ^2/NDF: 22.3/18

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 65.688+/-574.403 χ^2/NDF: 27.8/22

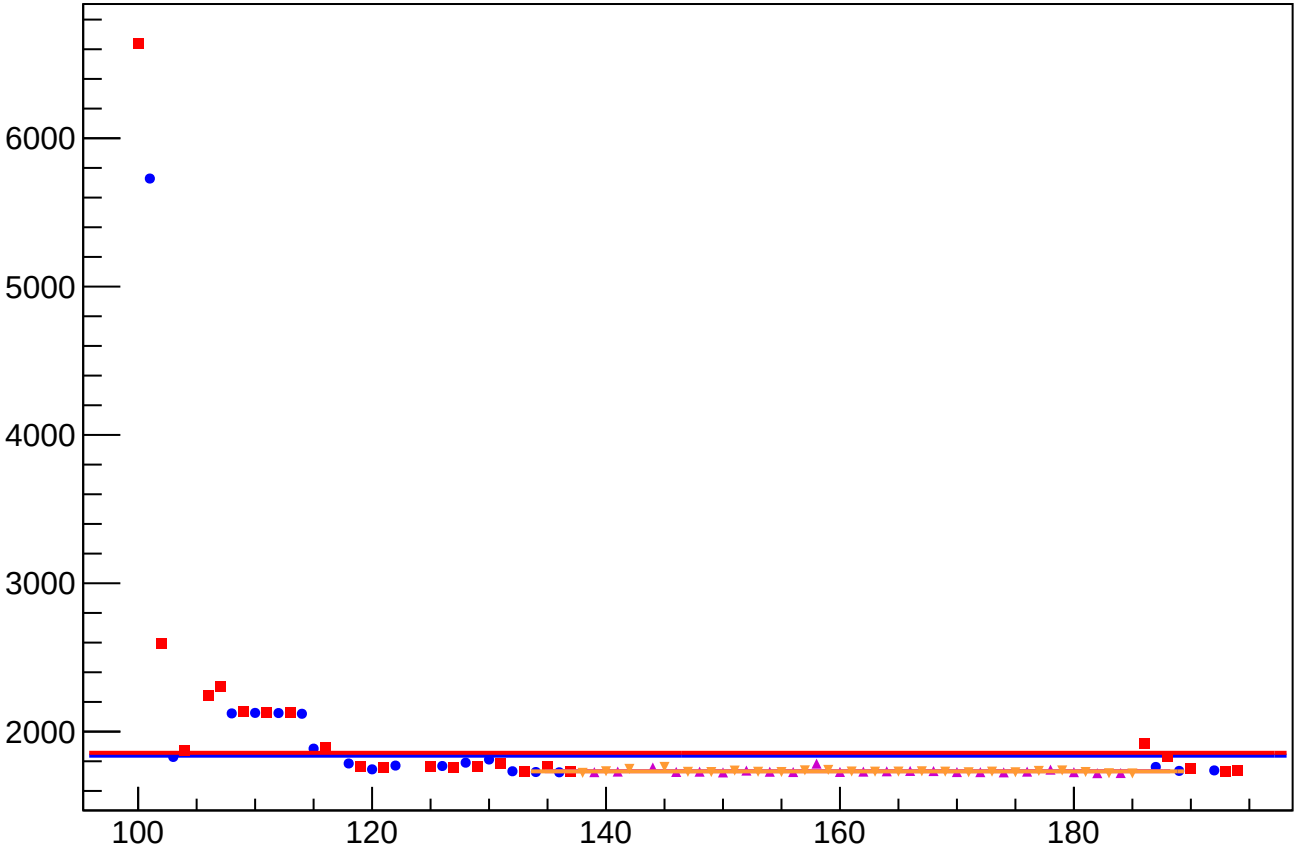
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 75.806+/-338.393 χ^2/NDF: 57.9/42

All: 30.177+/-236.563 χ^2/NDF: 105.2/88

- sign -13.436+/-330.835 χ^2/NDF: 47.2/45

eigen_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

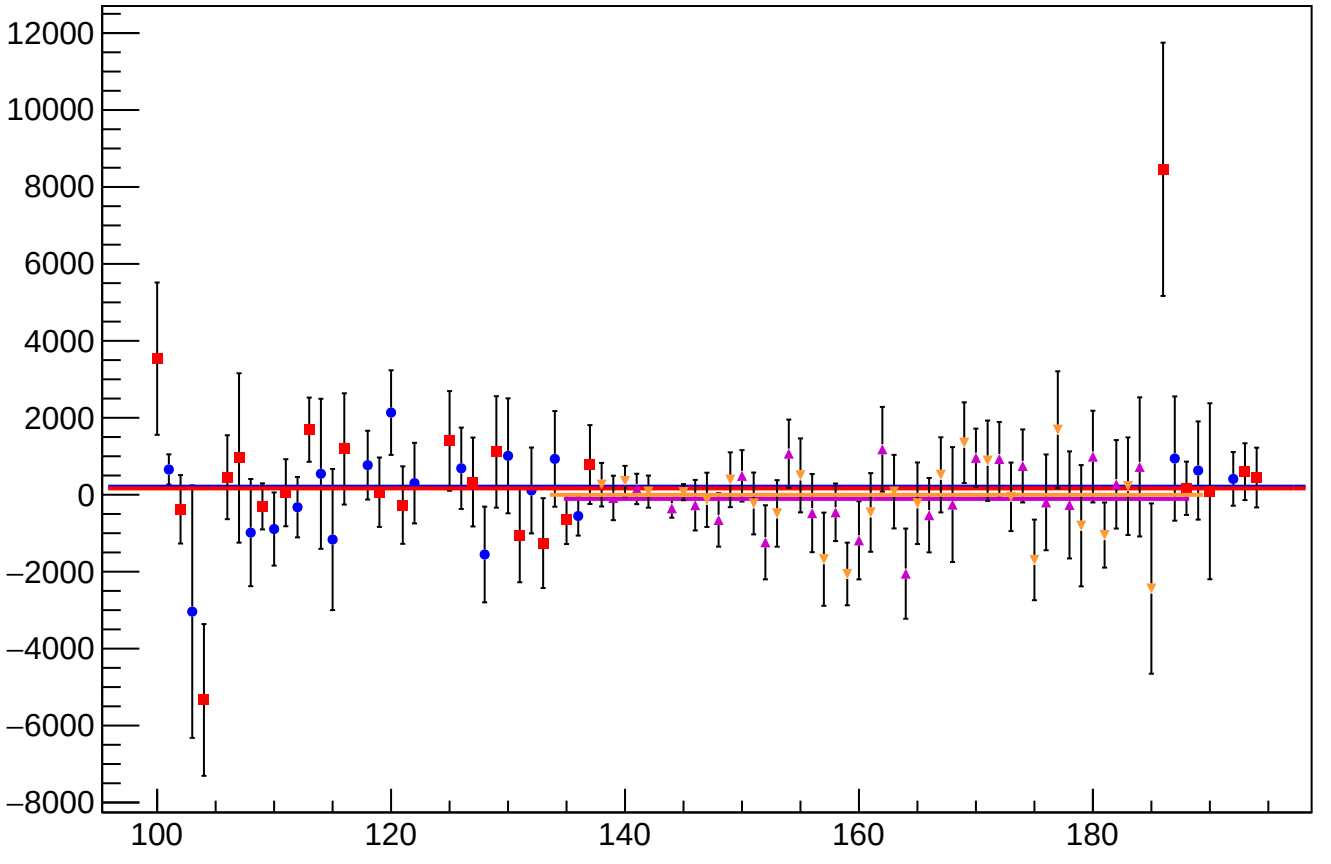
Right Out: 1857.120+/-0.406 χ^2/NDF: 284927.8/22

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1762.771+/-0.239 χ^2/NDF: 727681.5/42

All: 1768.709+/-0.167 χ^2/NDF: 1078134.0/88

- sign 1774.385+/-0.234 χ^2/NDF: 349247.9/45



Right In: 209.367+/-205.370 χ^2/NDF: 14.4/18

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

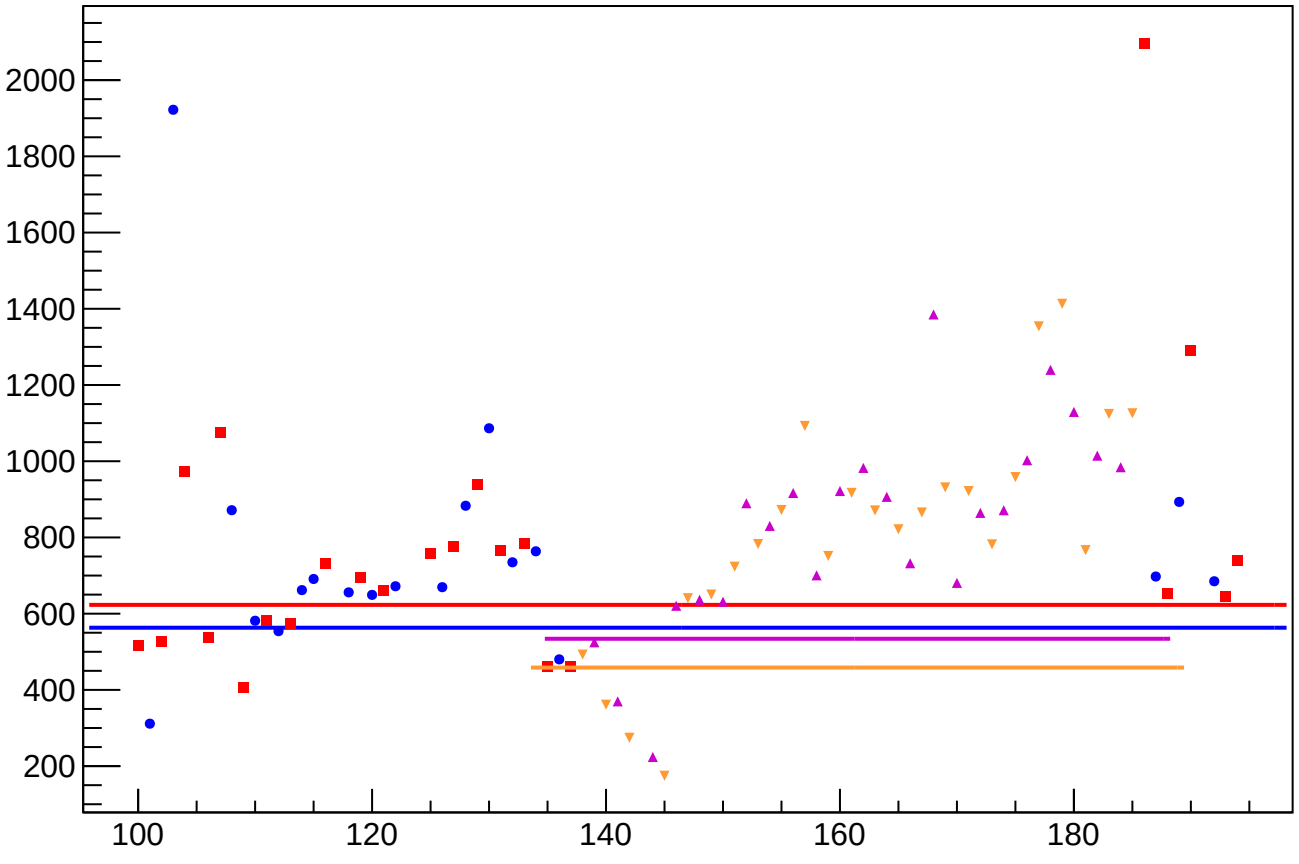
Right Out: 164.401+/-206.349 χ^2/NDF: 28.5/22

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 58.124+/-109.875 χ^2/NDF: 35.4/42

All: 21.934+/-80.321 χ^2/NDF: 82.3/88

- sign -19.601+/-117.710 χ^2/NDF: 46.7/45



Right In: 563.143+/-0.145 χ^2/NDF: 2092347.0/18

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 623.099+/-0.146 χ^2/NDF: 1501553.9/22

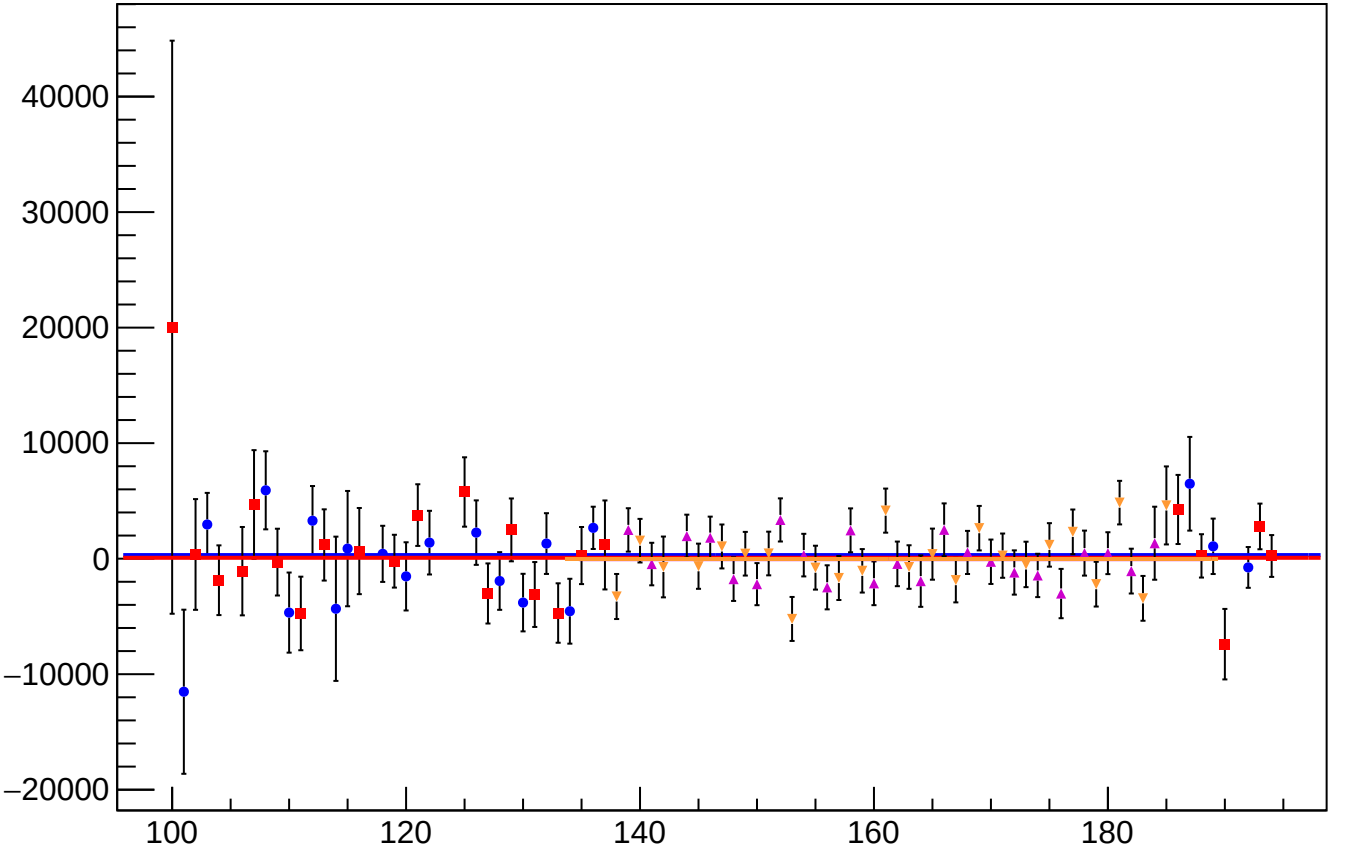
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 488.516+/-0.078 χ^2/NDF: 13888655.0/42

All: 523.247+/-0.057 χ^2/NDF: 24512777.8/88

- sign 563.107+/-0.083 χ^2/NDF: 10194959.2/45

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: 75.573+/-580.940 χ^2/NDF: 27.0/22

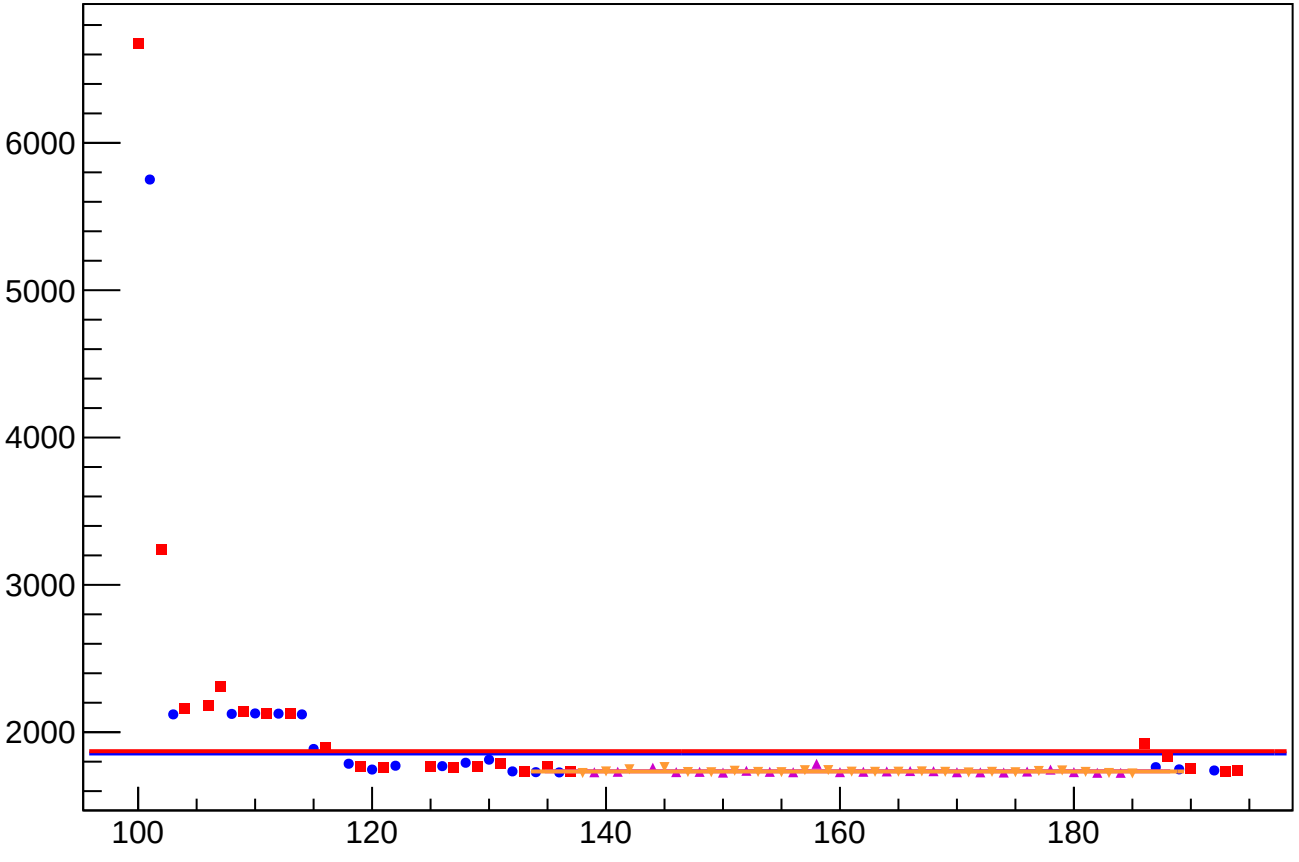
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 68.452+/-339.612 χ^2/NDF: 57.9/42

All: 31.509+/-237.501 χ^2/NDF: 104.8/88

- sign -3.853+/-332.262 χ^2/NDF: 46.9/45

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

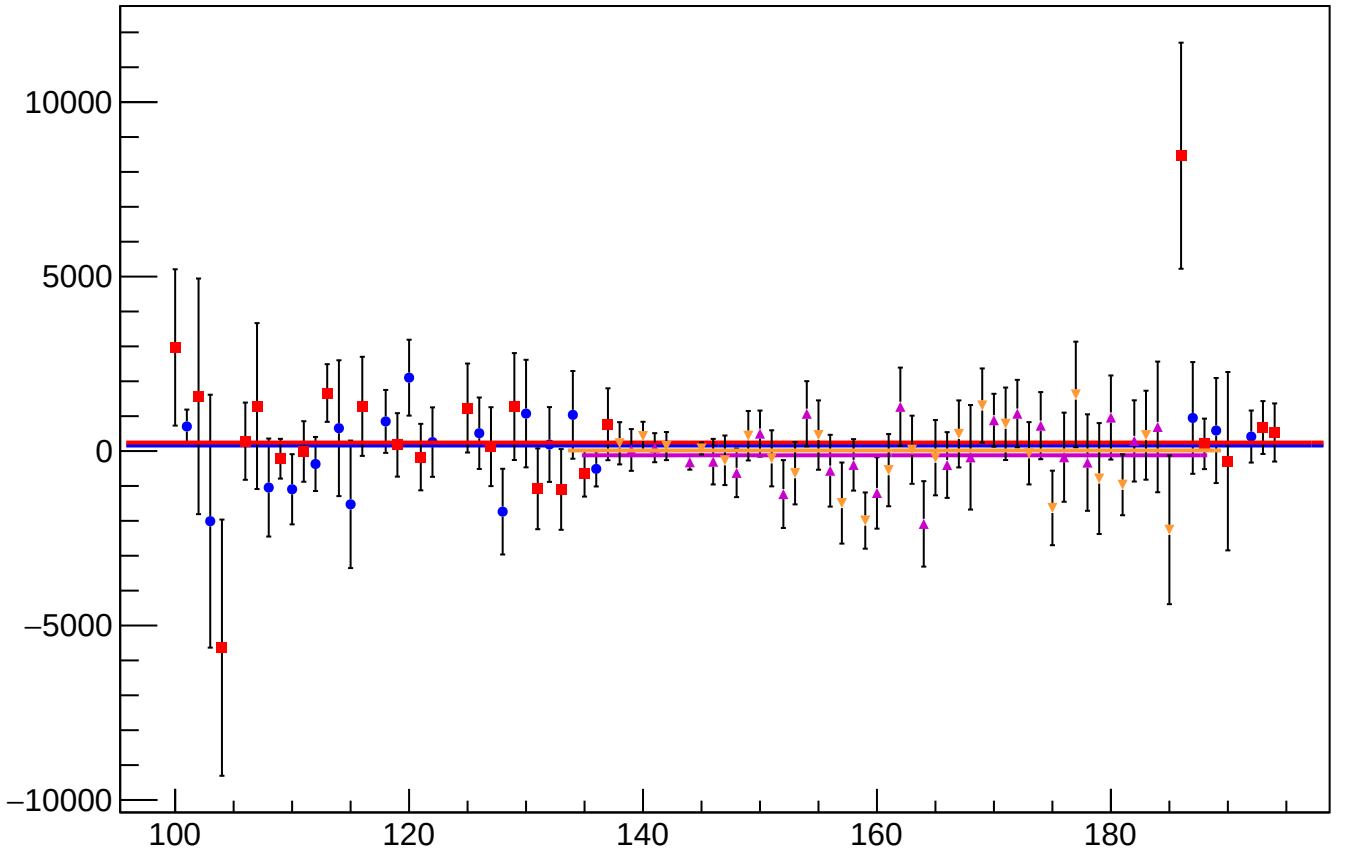
Right Out: 1870.980+/-0.411 χ^2/NDF: 385811.2/22

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1768.579+/-0.240 χ^2/NDF: 760846.6/42

All: 1774.084+/-0.168 χ^2/NDF: 1223801.6/88

- sign 1779.353+/-0.235 χ^2/NDF: 461926.5/45



Right In: 159.569+/-216.904 χ^2/NDF: 14.6/18

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

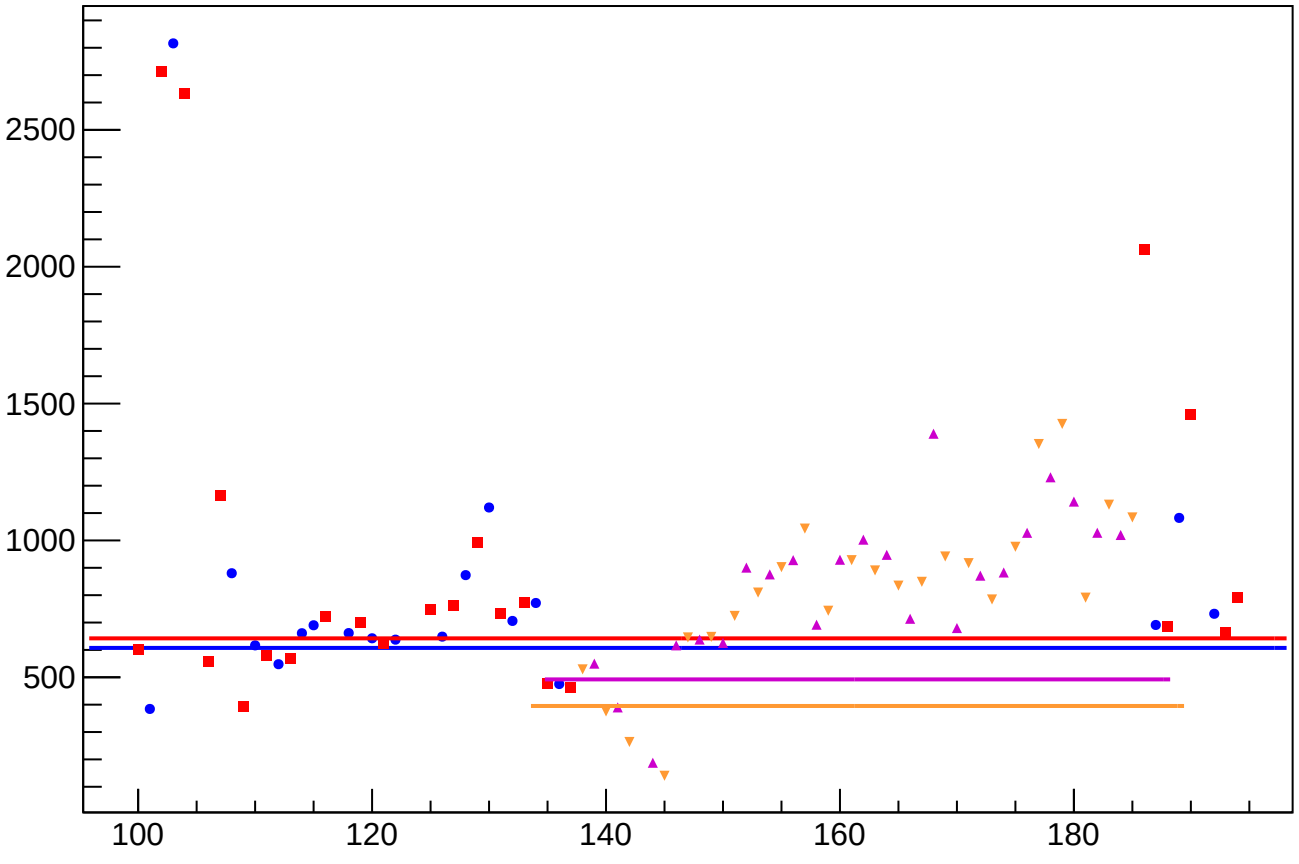
Right Out: 243.915+/-213.812 χ^2/NDF: 21.5/22

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 50.915+/-104.554 χ^2/NDF: 34.4/42

All: 21.156+/-77.495 χ^2/NDF: 74.6/88

- sign -15.122+/-115.441 χ^2/NDF: 40.0/45



Right In: 607.324+/-0.153 χ^2/NDF: 2038292.4/18

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

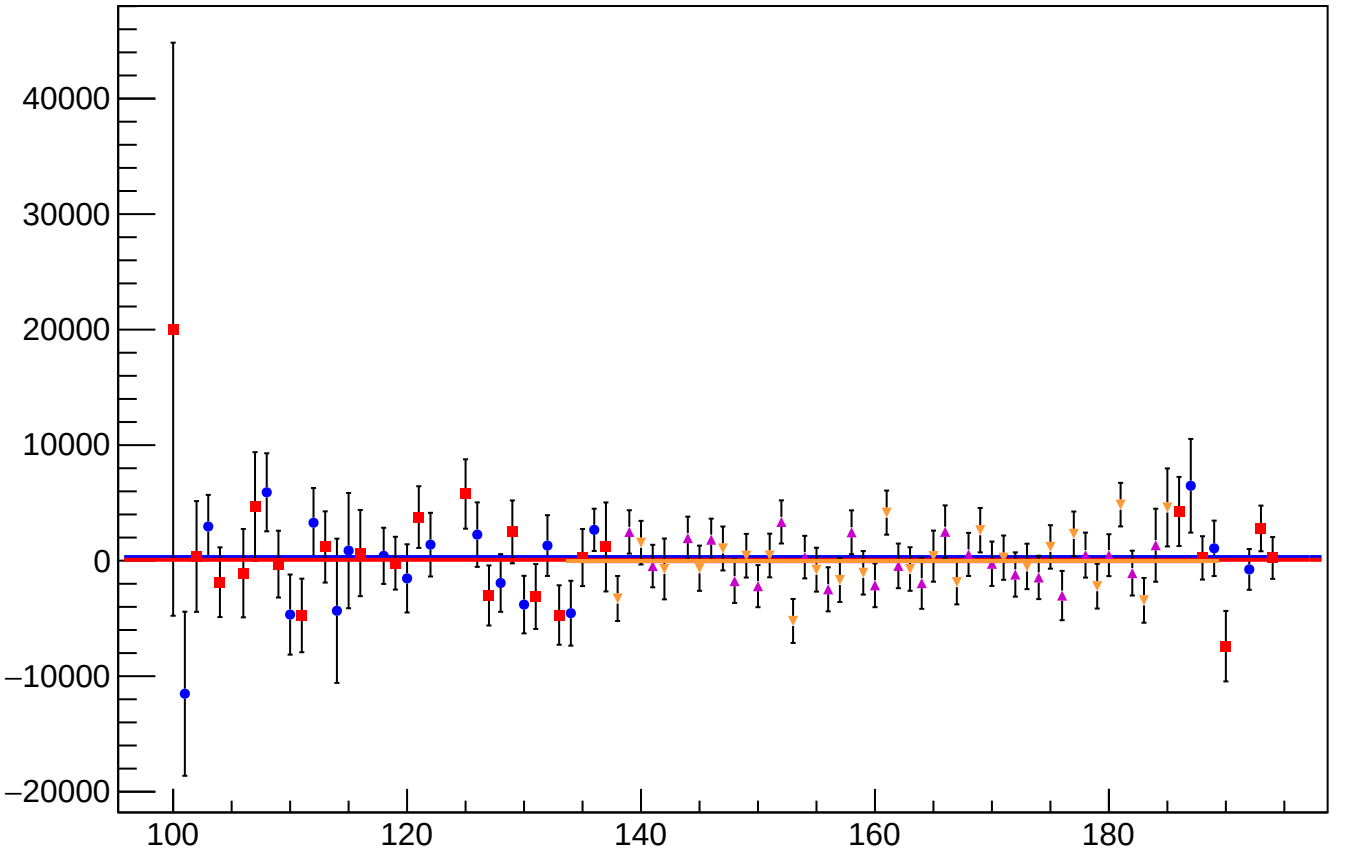
Right Out: 642.233+/-0.151 χ^2/NDF: 2903436.4/22

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 444.478+/-0.074 χ^2/NDF: 17841236.7/42

All: 485.723+/-0.055 χ^2/NDF: 32551638.4/88

- sign 536.003+/-0.082 χ^2/NDF: 14019763.7/45



Right In: 311.013+/-633.459 χ^2/NDF: 22.2/18

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: 75.572+/-580.939 χ^2/NDF: 27.0/22

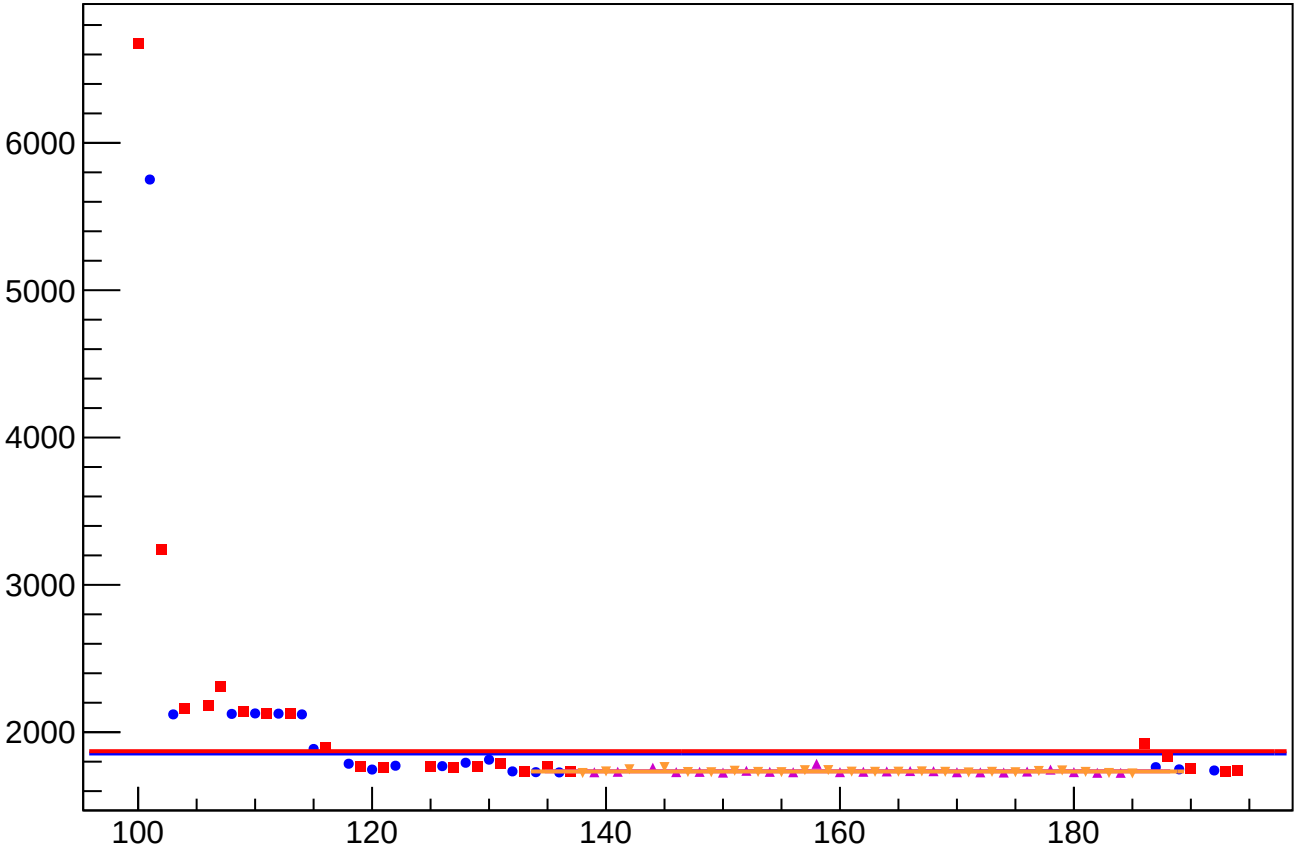
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 68.450+/-339.612 χ^2/NDF: 57.9/42

All: 31.507+/-237.501 χ^2/NDF: 104.8/88

- sign -3.853+/-332.262 χ^2/NDF: 46.9/45

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

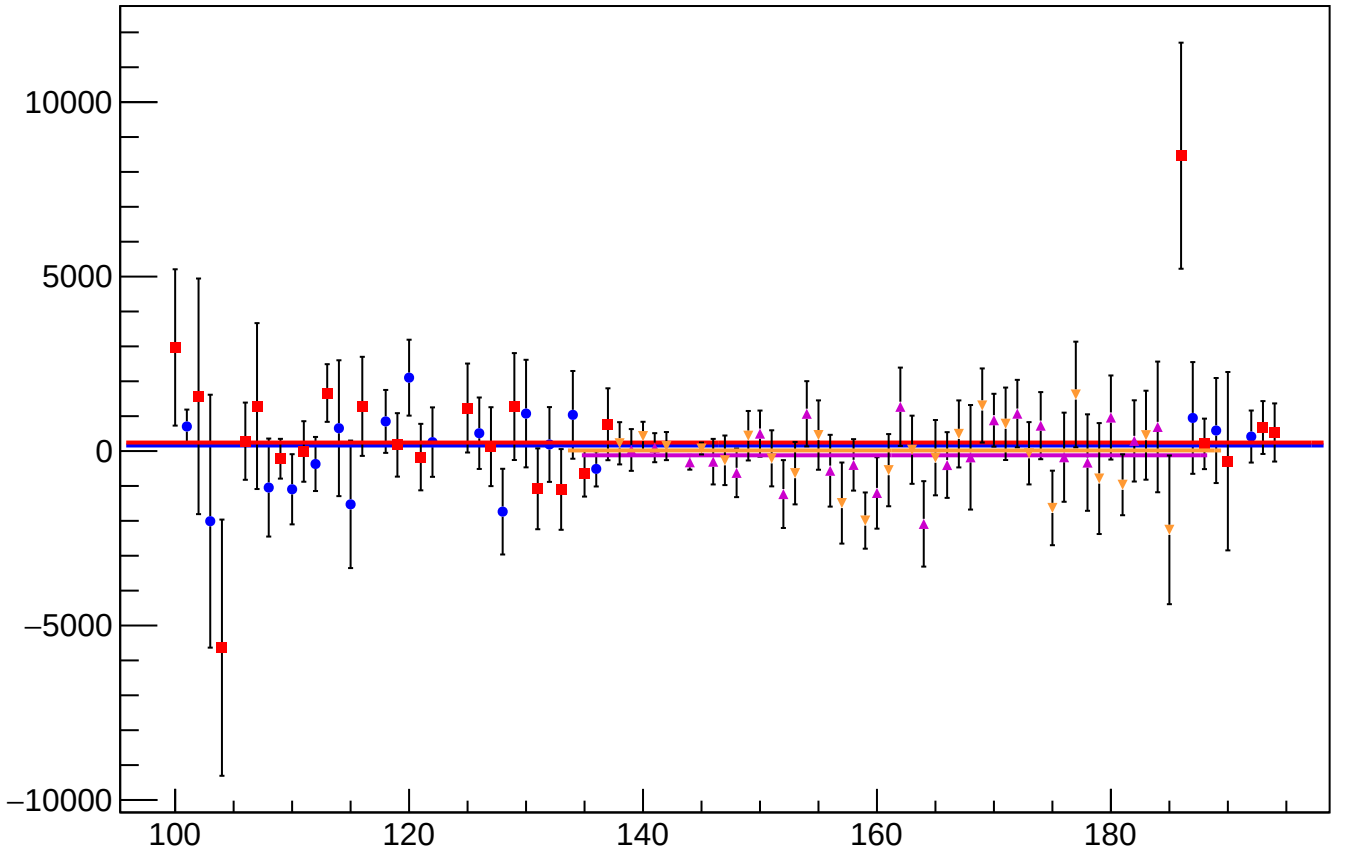
Right Out: 1870.980+/-0.411 χ^2/NDF: 385810.4/22

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1768.579+/-0.240 χ^2/NDF: 760846.2/42

All: 1774.084+/-0.168 χ^2/NDF: 1223800.4/88

- sign 1779.353+/-0.235 χ^2/NDF: 461925.7/45



Right In: 159.566+/-216.904 χ^2/NDF: 14.6/18

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

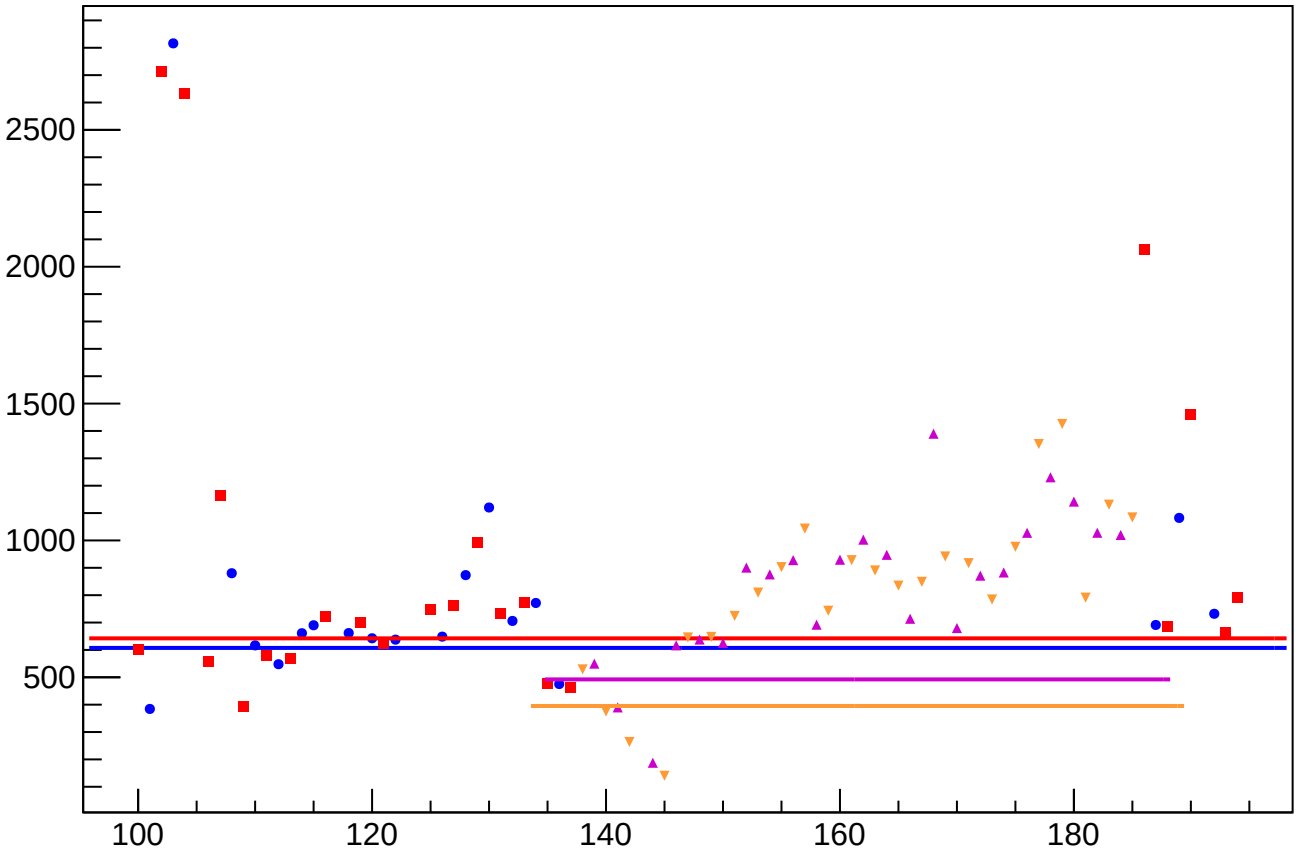
Right Out: 243.913+/-213.811 χ^2/NDF: 21.5/22

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 50.913+/-104.554 χ^2/NDF: 34.4/42

All: 21.156+/-77.495 χ^2/NDF: 74.6/88

- sign -15.122+/-115.441 χ^2/NDF: 40.0/45



Right In: 607.321+/-0.153 χ^2/NDF: 2038277.9/18

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 642.229+/-0.151 χ^2/NDF: 2903453.7/22

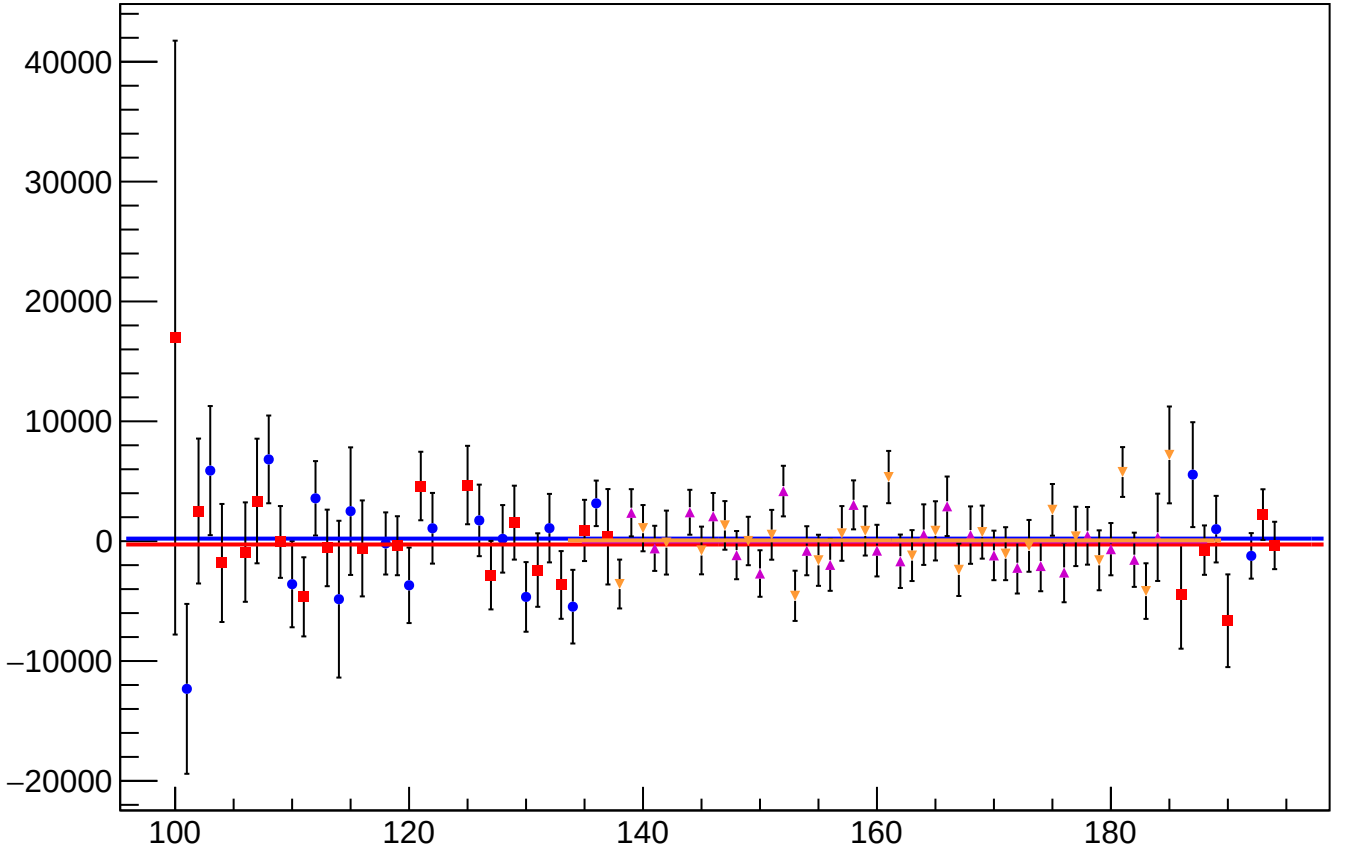
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 444.478+/-0.074 χ^2/NDF: 17841244.4/42

All: 485.722+/-0.055 χ^2/NDF: 32551644.5/88

- sign 536.003+/-0.082 χ^2/NDF: 14019764.3/45

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: -276.943+/-643.145 χ^2/NDF: 16.6/22

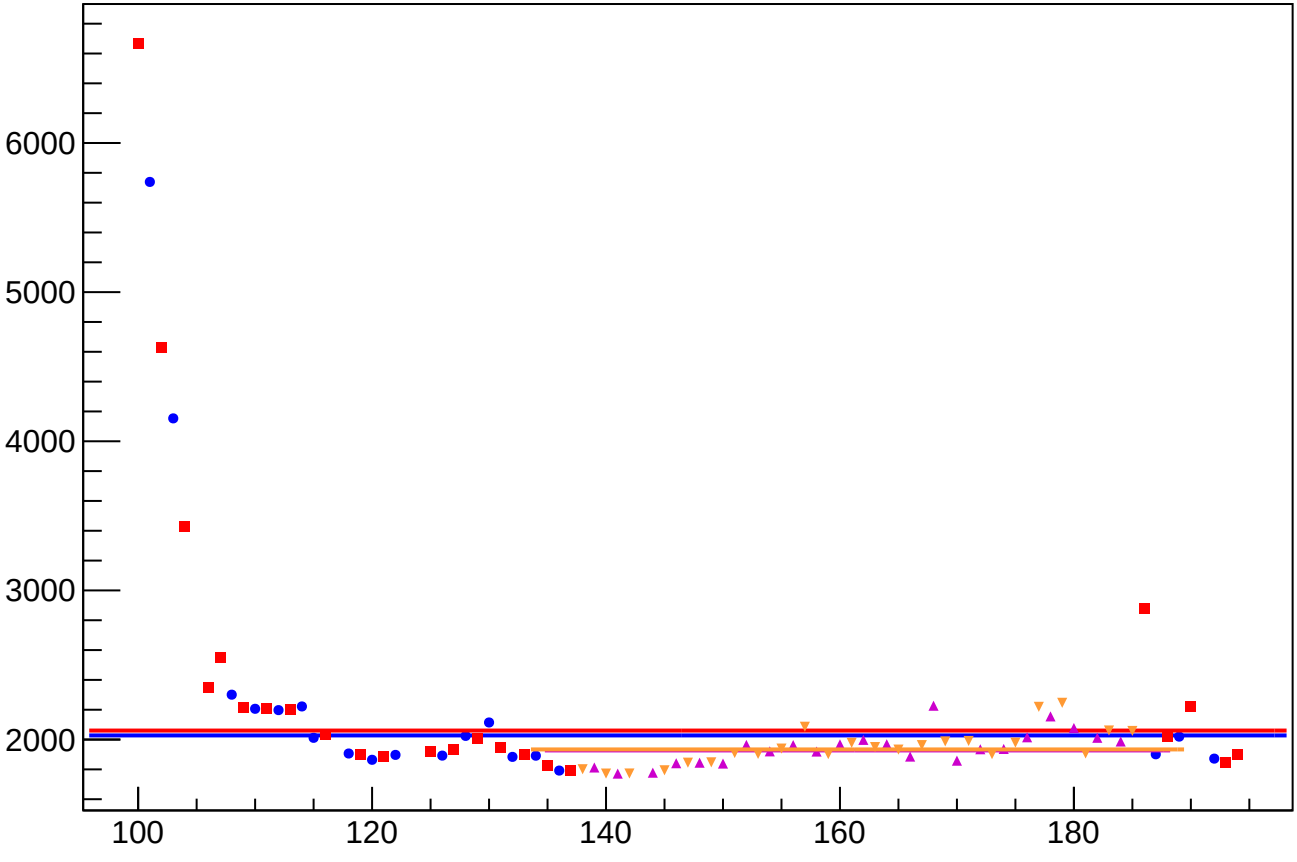
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 109.692+/-378.013 χ^2/NDF: 56.9/42

All: -1.936+/-264.097 χ^2/NDF: 93.8/88

- sign -108.376+/-369.123 χ^2/NDF: 36.7/45

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

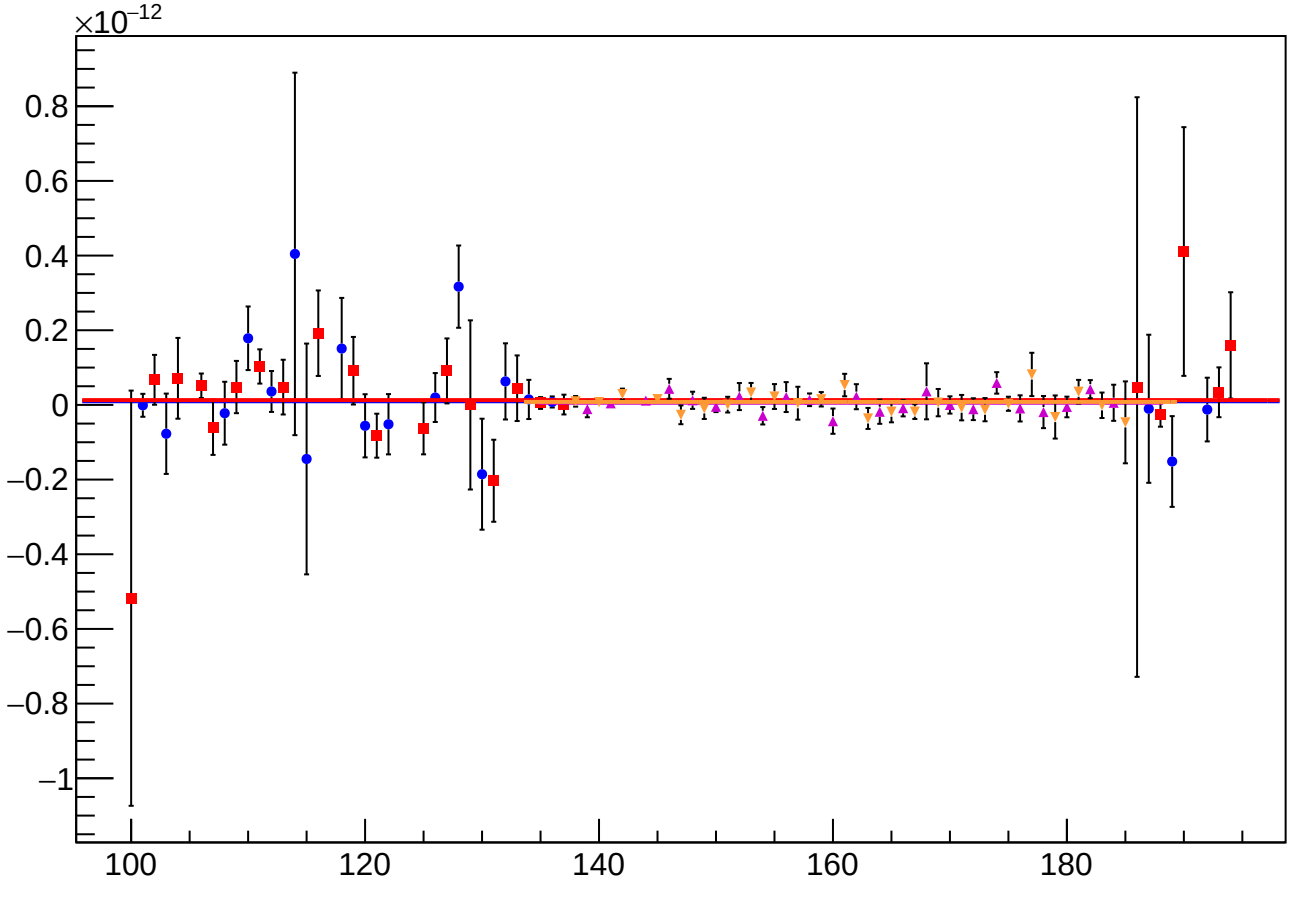
Right Out: 2060.350+/-0.455 χ^2/NDF: 788449.6/22

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1961.369+/-0.267 χ^2/NDF: 1112309.5/42

All: 1966.304+/-0.187 χ^2/NDF: 2075410.9/88

- sign 1971.010+/-0.261 χ^2/NDF: 962435.6/45



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

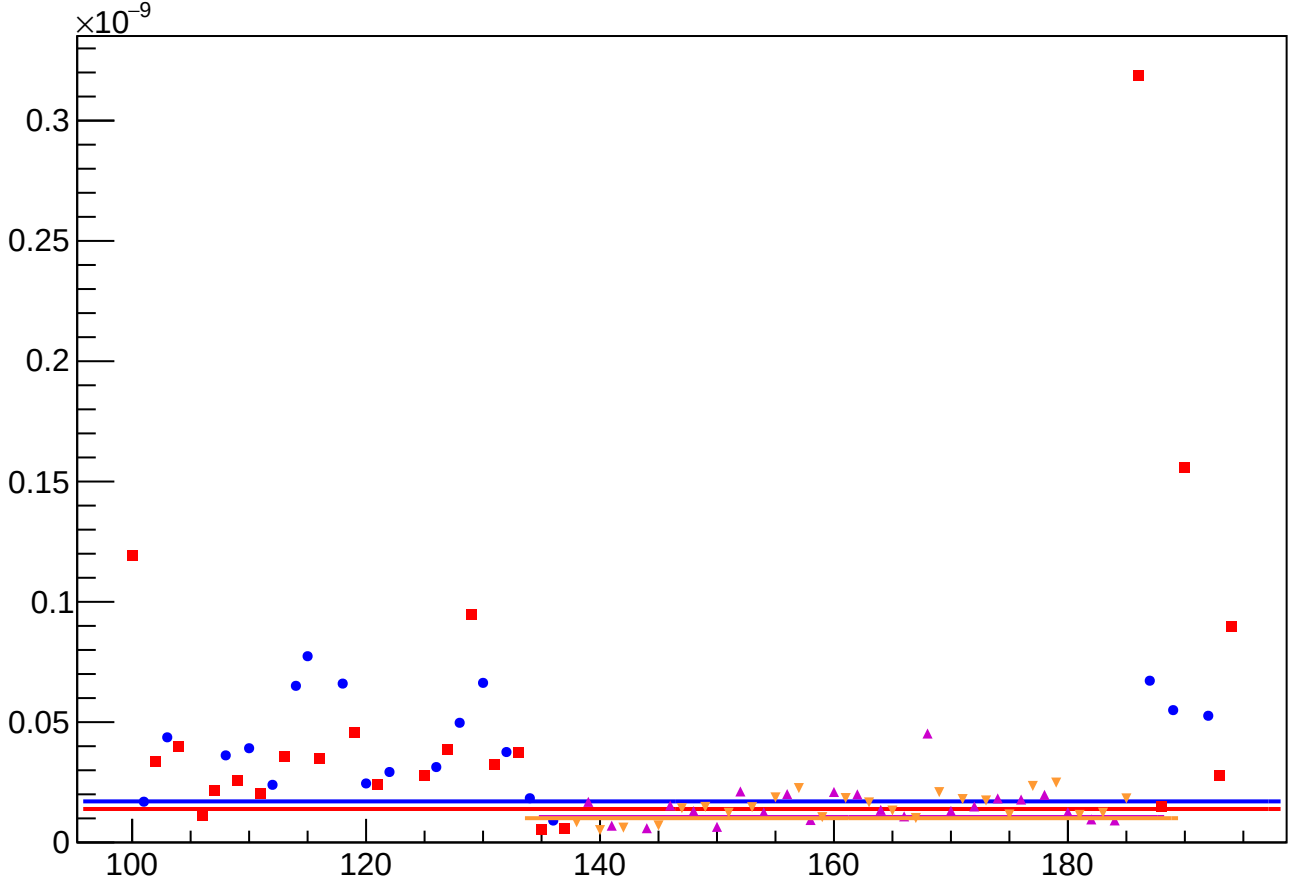
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/22

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: 79.3/88

- sign 0.000+/-0.000 χ^2/NDF: 42.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 2626672.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

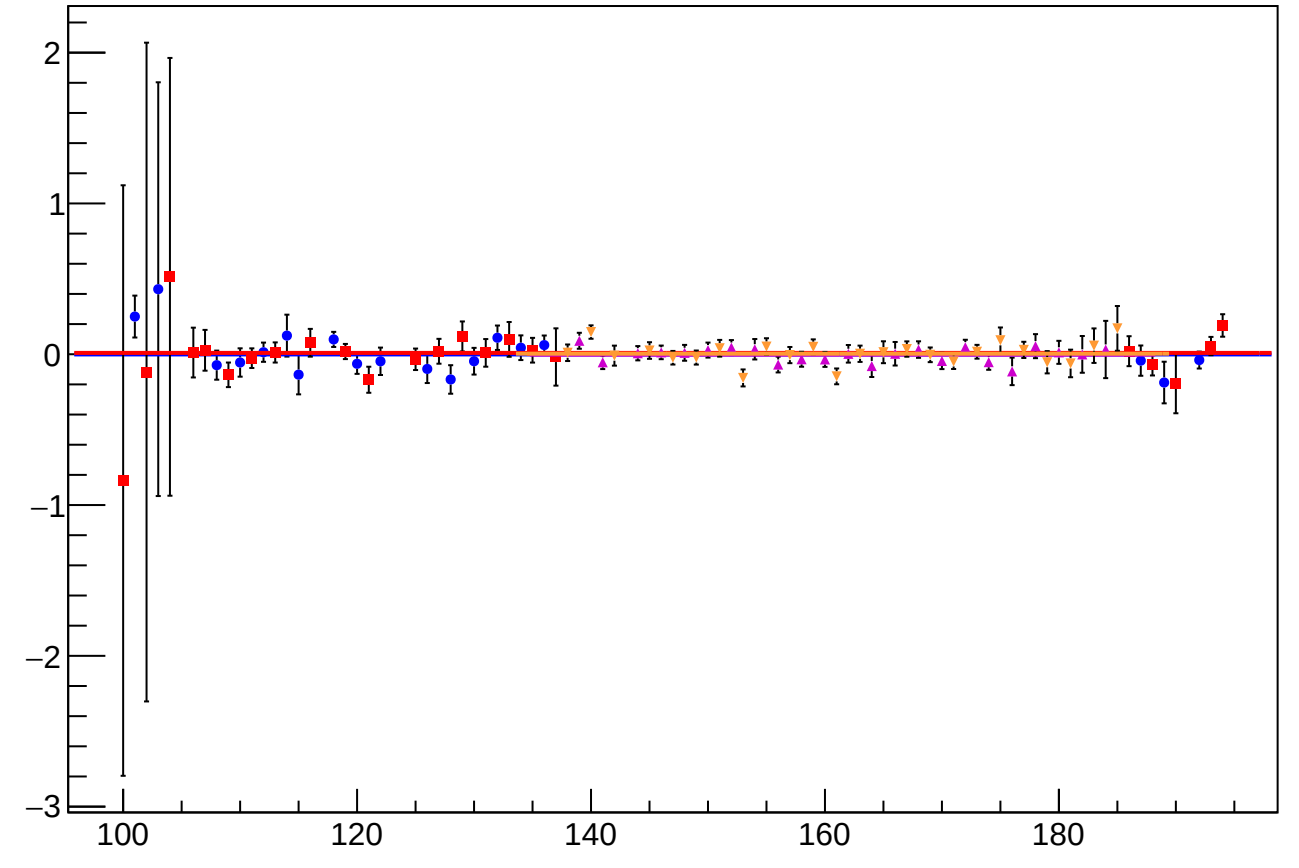
Right Out: 0.000+/-0.000 χ^2/NDF: 3838722.6/22

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5555056.6/42

All: 0.000+/-0.000 χ^2/NDF: 12158276.5/88

- sign 0.000+/-0.000 χ^2/NDF: 6601458.6/45



Right In: -0.001+/-0.019 χ^2/NDF: 21.2/18

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

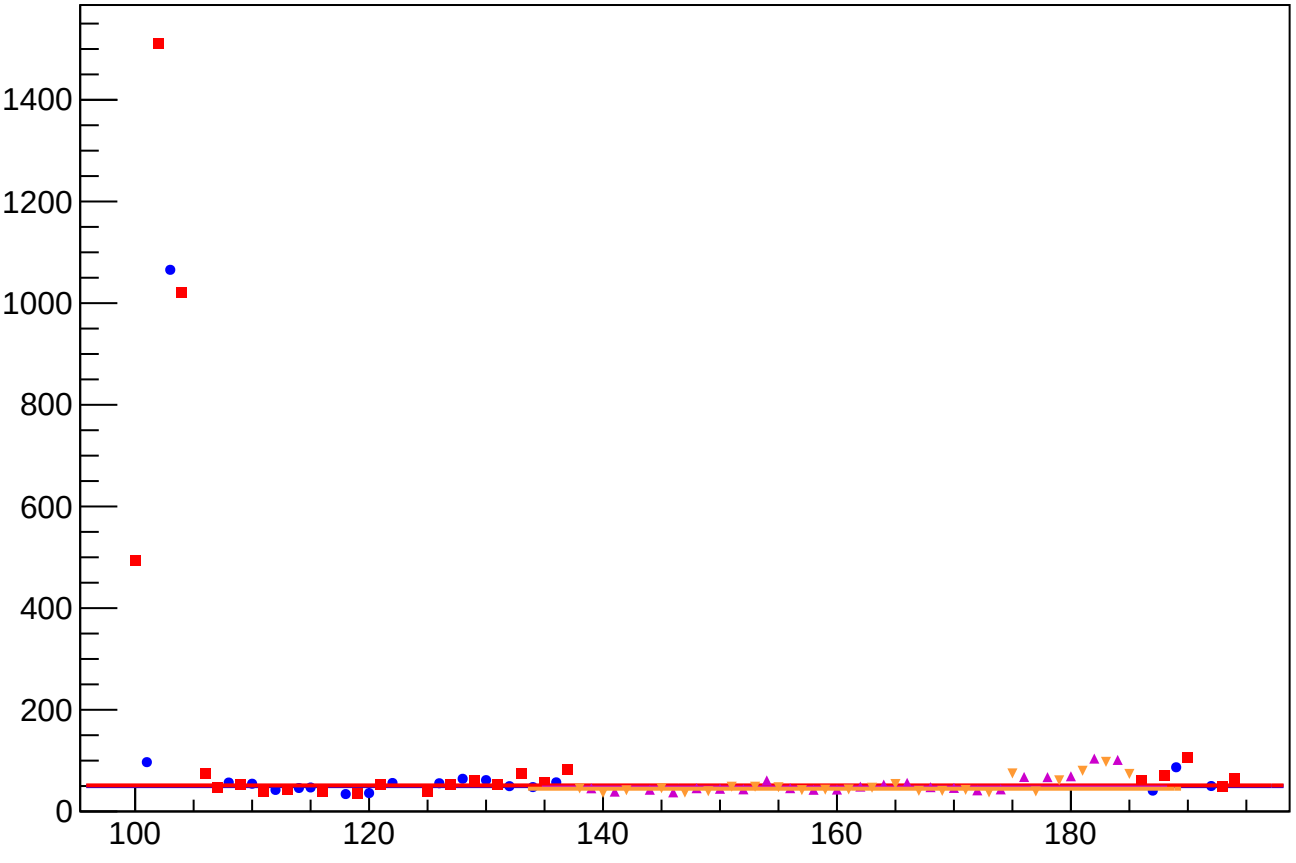
Right Out: 0.009+/-0.019 χ^2/NDF: 19.4/22

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 56.3/42

All: 0.002+/-0.007 χ^2/NDF: 90.5/88

- sign 0.001+/-0.010 χ^2/NDF: 34.2/45



Right In: 49.831+/-0.013 χ^2/NDF: 1938074.5/18

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 51.248+/-0.013 χ^2/NDF: 2847499.3/22

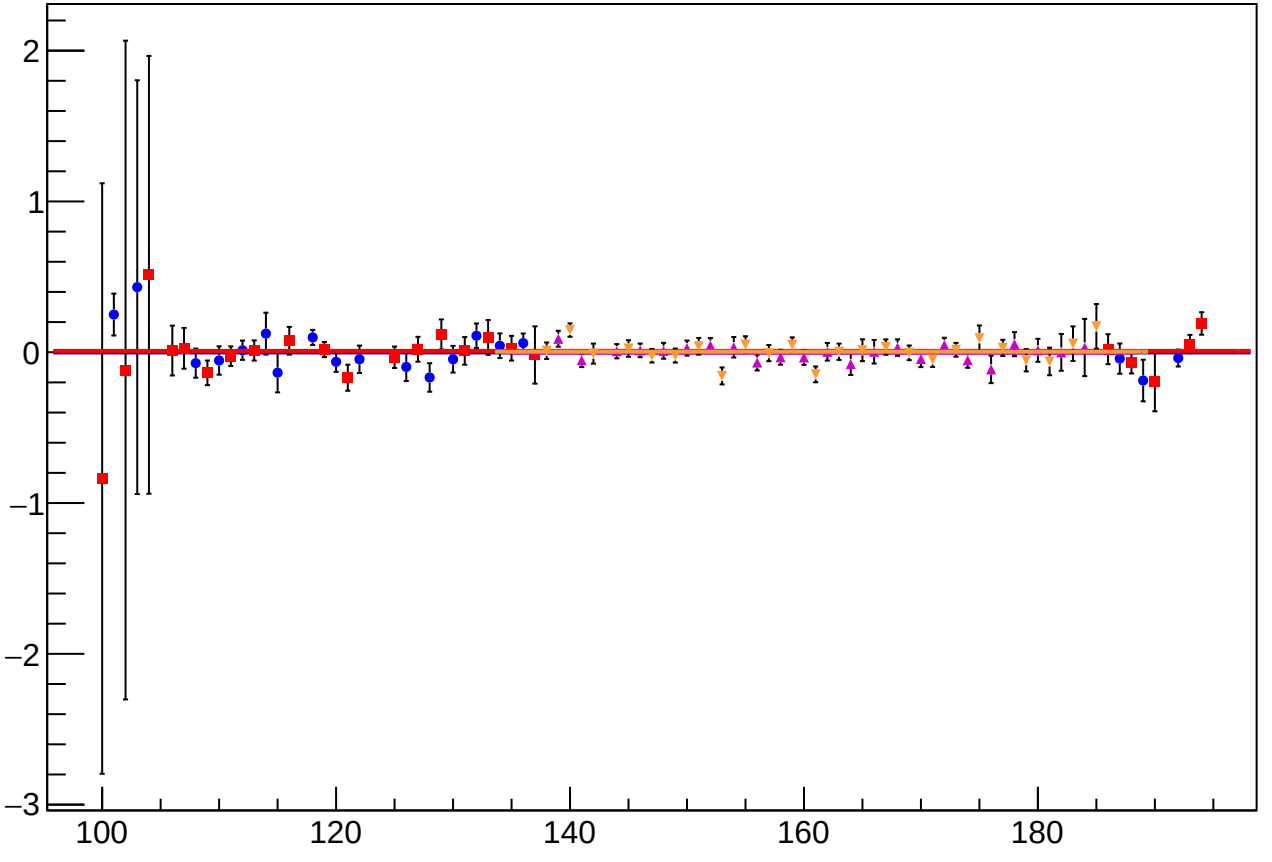
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 46.092+/-0.007 χ^2/NDF: 3524176.5/42

All: 47.163+/-0.005 χ^2/NDF: 7876091.7/88

- sign 48.272+/-0.007 χ^2/NDF: 4303843.1/45

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.019 χ^2/NDF: 21.2/18

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

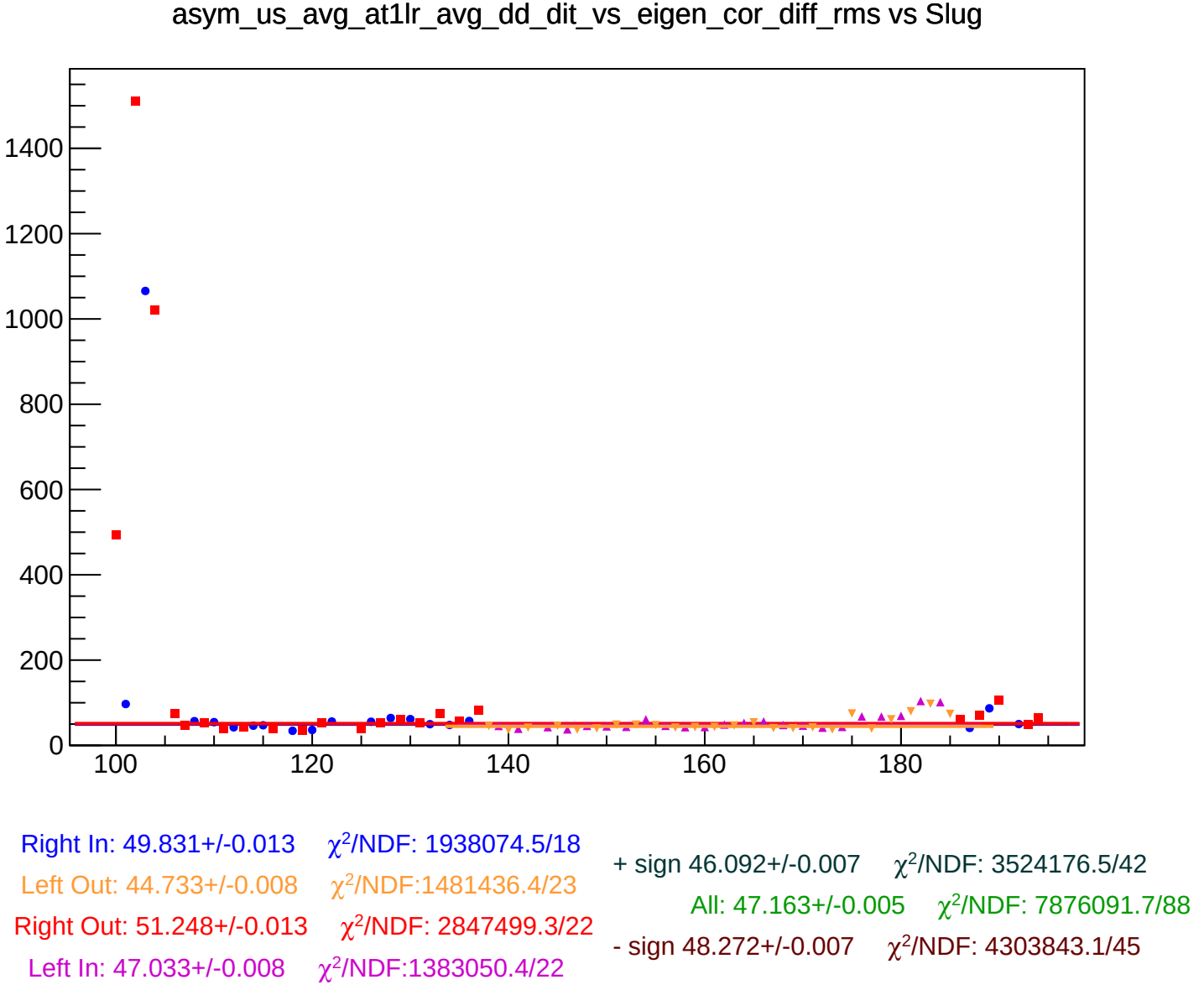
Right Out: 0.009+/-0.019 χ^2/NDF: 19.4/22

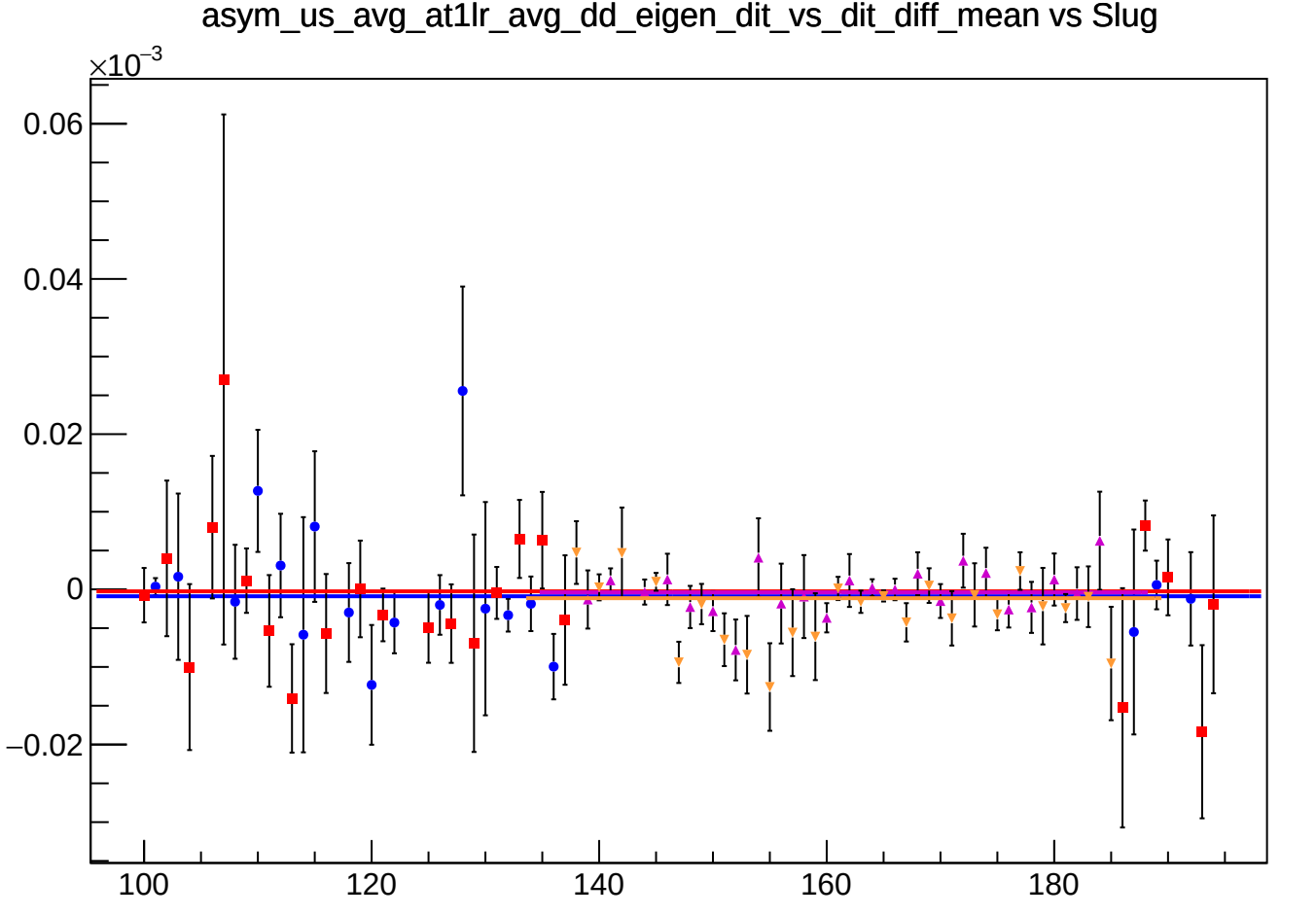
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 56.3/42

All: 0.002+/-0.007 χ^2/NDF: 90.5/88

- sign 0.001+/-0.010 χ^2/NDF: 34.2/45


asym_us_avg_at1lr_avg_dd_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: 1938074.5/18
Left Out: 44.733+/-0.008 χ²/NDF:1481436.4/23
Right Out: 51.248+/-0.013 χ²/NDF: 2847499.3/22
Left In: 47.033+/-0.008 χ²/NDF:1383050.4/22
+ sign 46.092+/-0.007 χ²/NDF: 3524176.5/42
All: 47.163+/-0.005 χ²/NDF: 7876091.7/88
- sign 48.272+/-0.007 χ²/NDF: 4303843.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

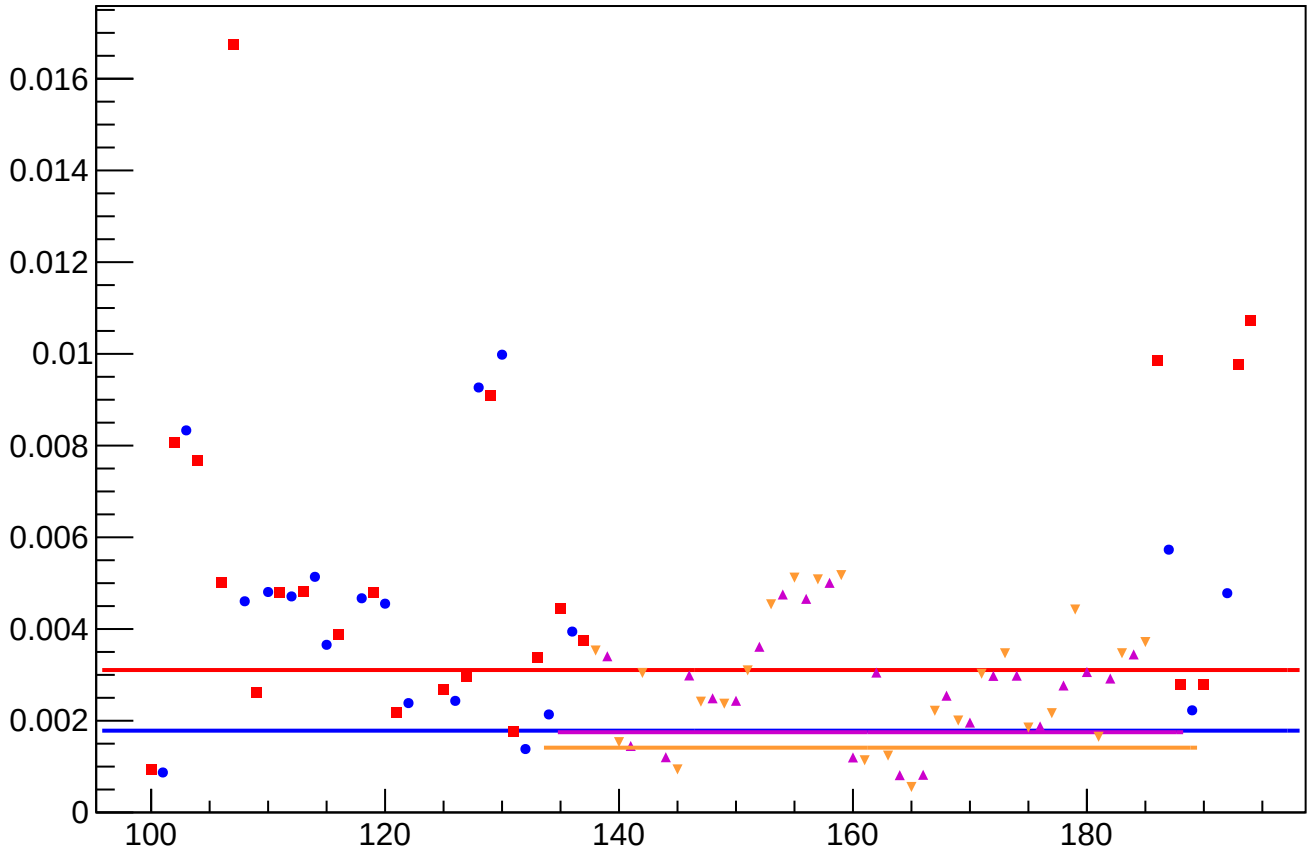
Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/22

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.8/42

All: -0.000+/-0.000 χ^2/NDF: 96.7/88

- sign -0.000+/-0.000 χ^2/NDF: 40.3/45



Right In: 0.002+/-0.000 χ^2/NDF: 6706844.7/18

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 5417857.4/22

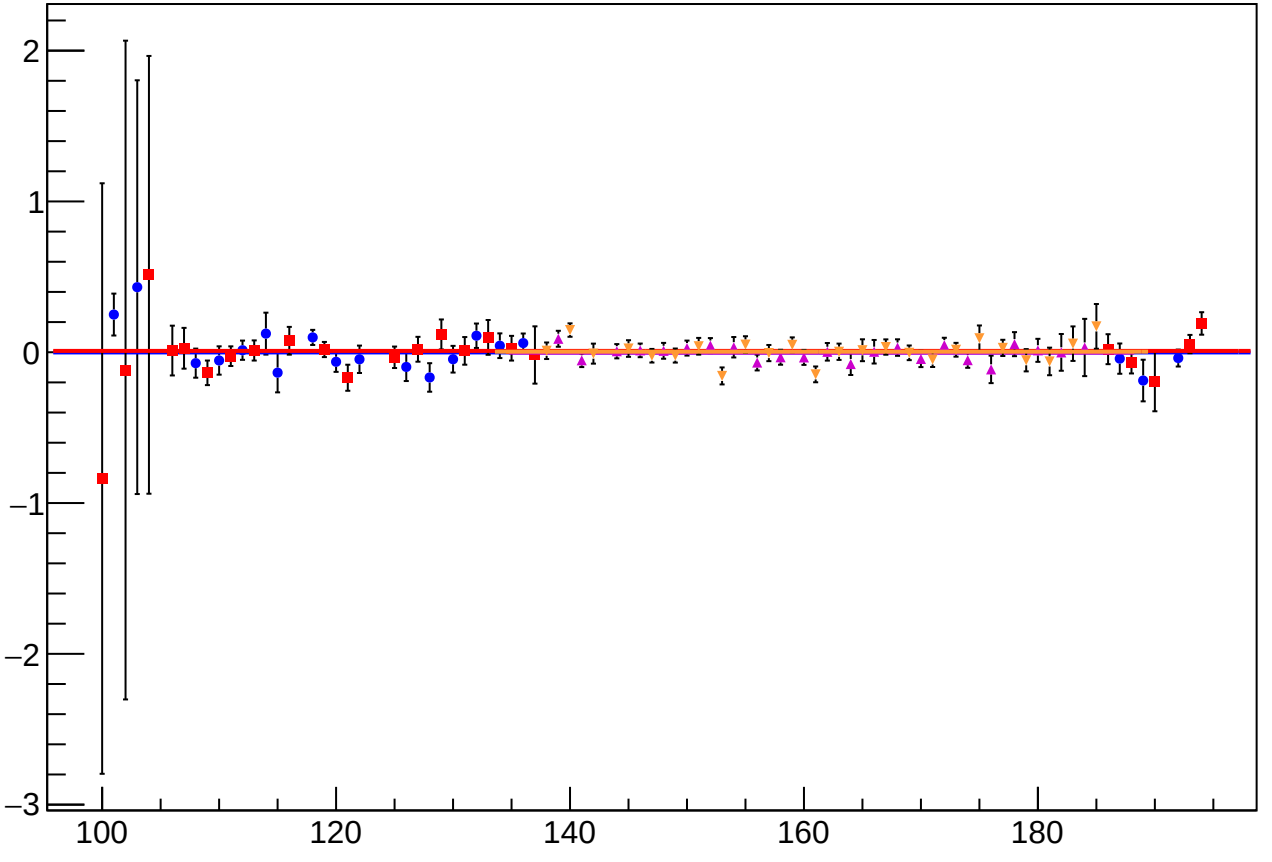
Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 18638328.0/42

All: 0.002+/-0.000 χ^2/NDF: 35959972.2/88

- sign 0.002+/-0.000 χ^2/NDF: 16016627.2/45

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.019 χ^2/NDF: 21.2/18

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

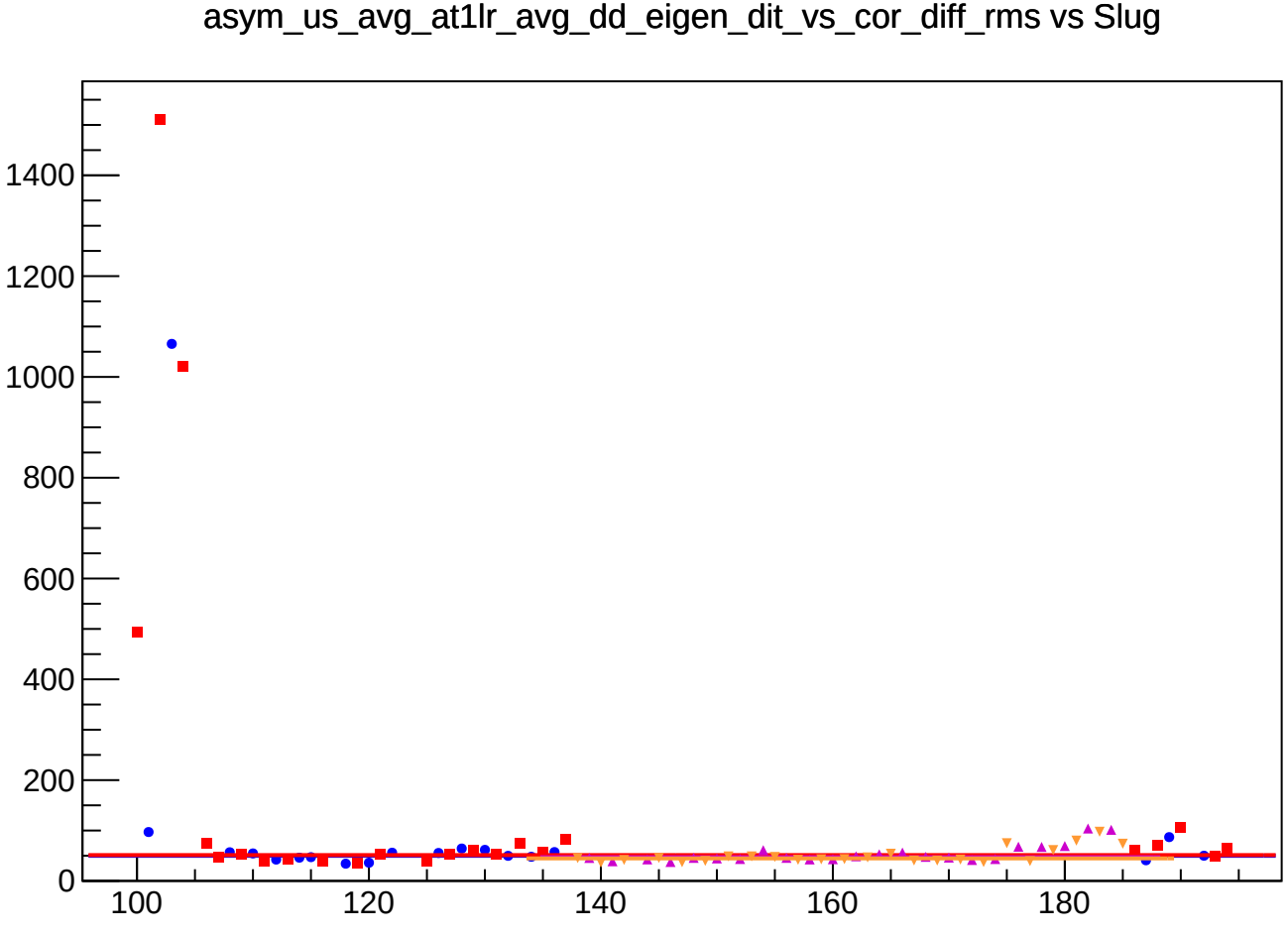
Right Out: 0.009+/-0.019 χ^2/NDF: 19.4/22

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 56.3/42

All: 0.002+/-0.007 χ^2/NDF: 90.5/88

- sign 0.001+/-0.010 χ^2/NDF: 34.2/45



Right In: 49.831+/-0.013 χ^2/NDF: 1937993.9/18

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

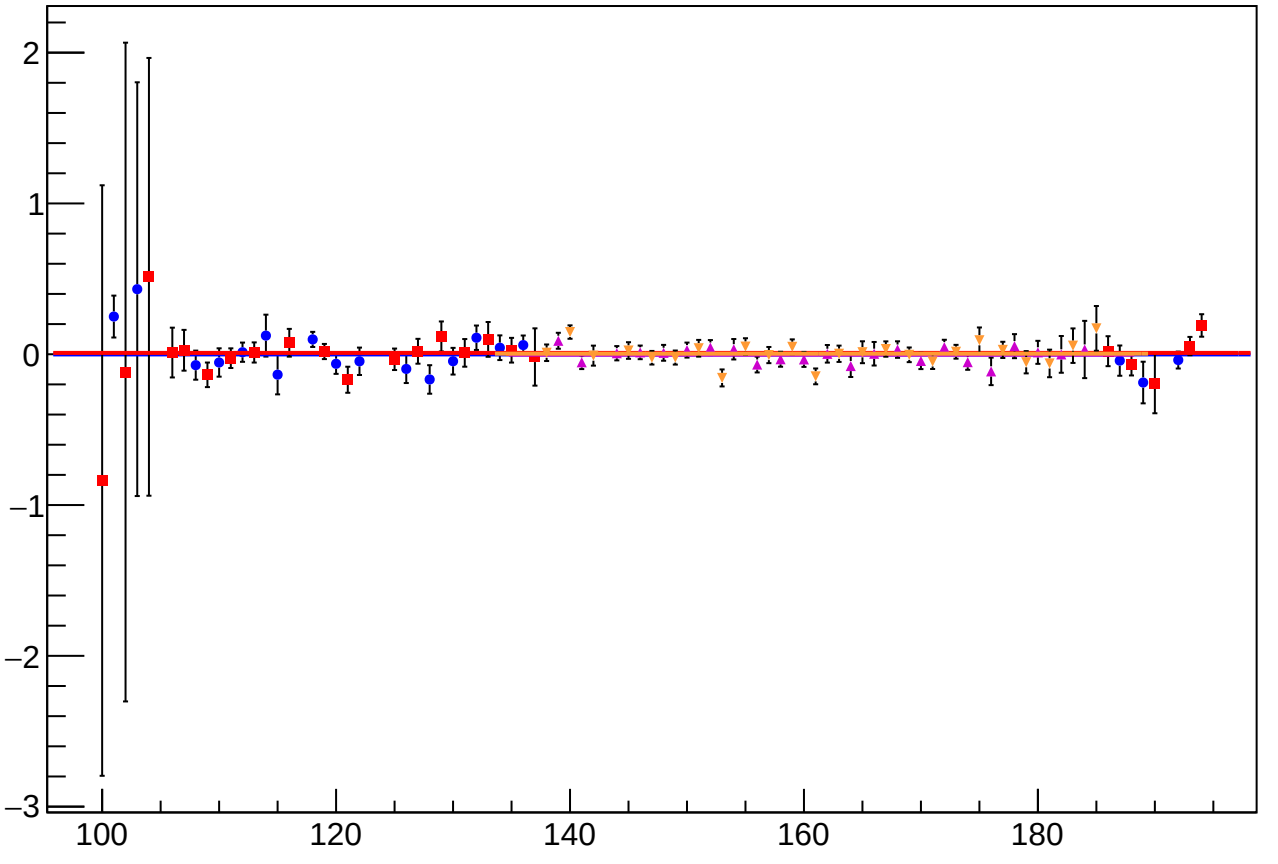
Right Out: 51.247+/-0.013 χ^2/NDF: 2847564.7/22

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 46.092+/-0.007 χ^2/NDF: 3524075.5/42

All: 47.163+/-0.005 χ^2/NDF: 7876087.3/88

- sign 48.272+/-0.007 χ^2/NDF: 4303959.3/45



Right In: -0.001+/-0.019 χ^2/NDF: 21.2/18

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

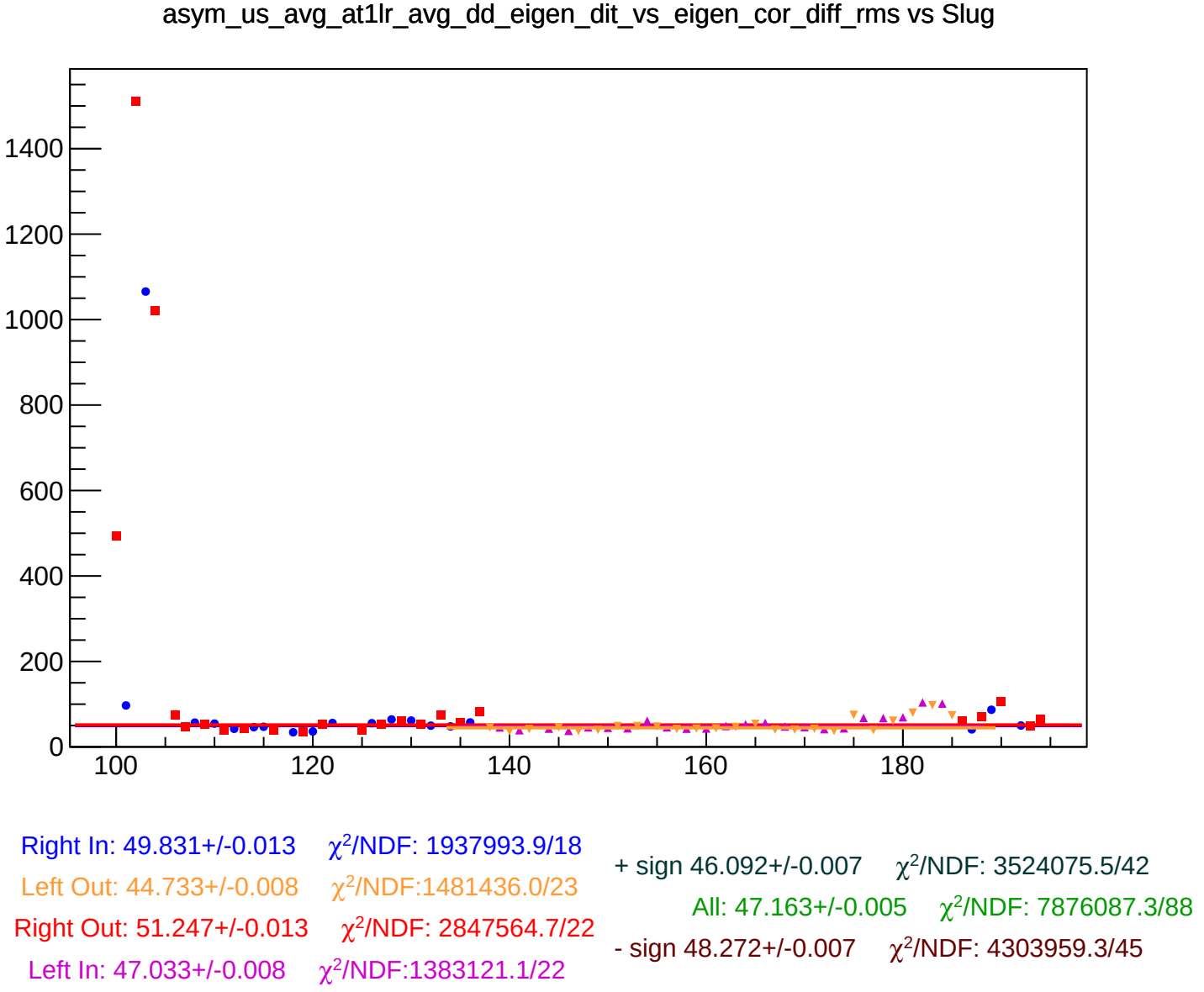
Right Out: 0.009+/-0.019 χ^2/NDF: 19.4/22

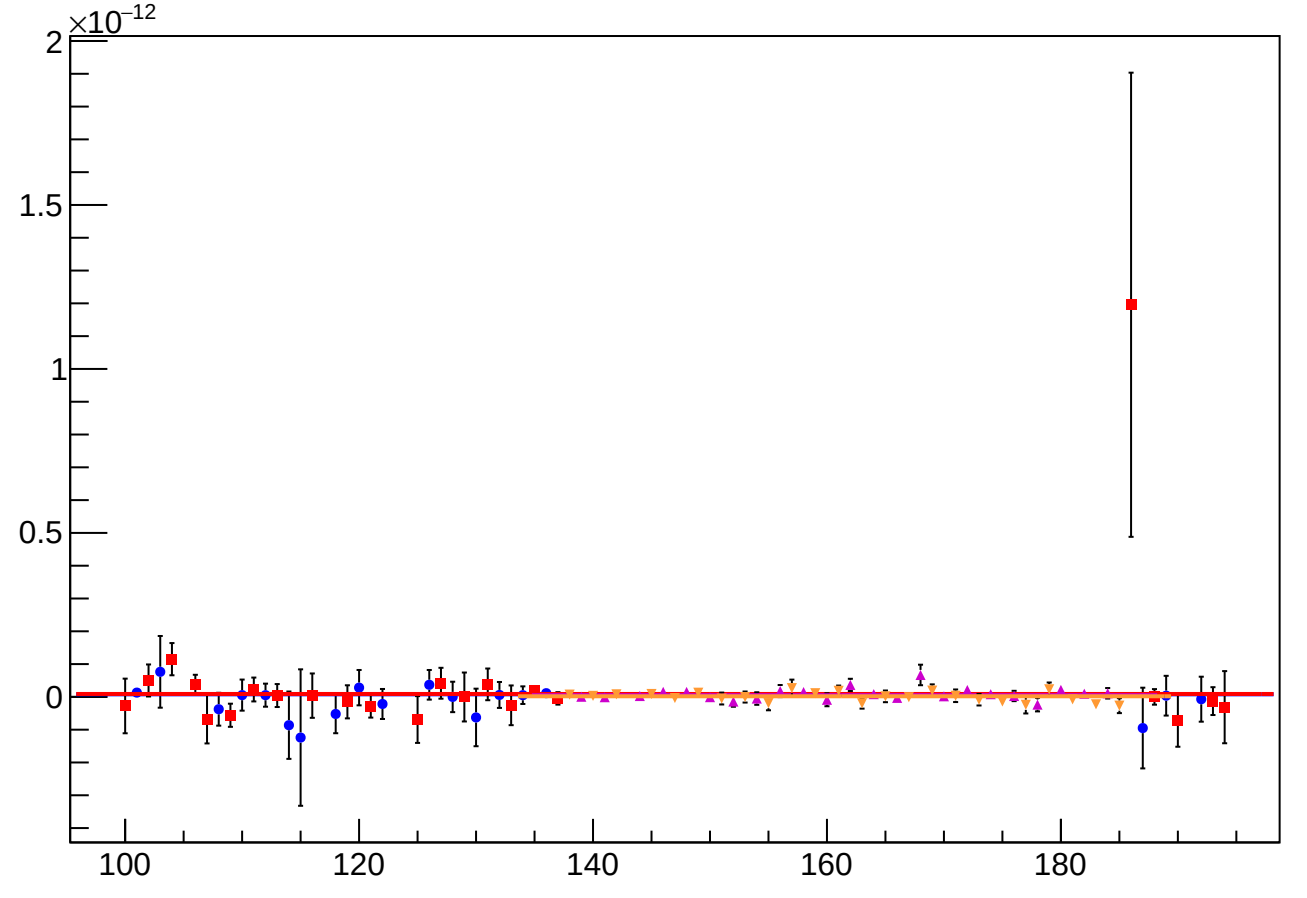
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.002+/-0.010 χ^2/NDF: 56.3/42

All: 0.002+/-0.007 χ^2/NDF: 90.5/88

- sign 0.001+/-0.010 χ^2/NDF: 34.2/45


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: 51.247+/-0.013 χ²/NDF: 2847564.7/22
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
+ sign 46.092+/-0.007 χ²/NDF: 3524075.5/42
All: 47.163+/-0.005 χ²/NDF: 7876087.3/88
- sign 48.272+/-0.007 χ²/NDF: 4303959.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 6.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

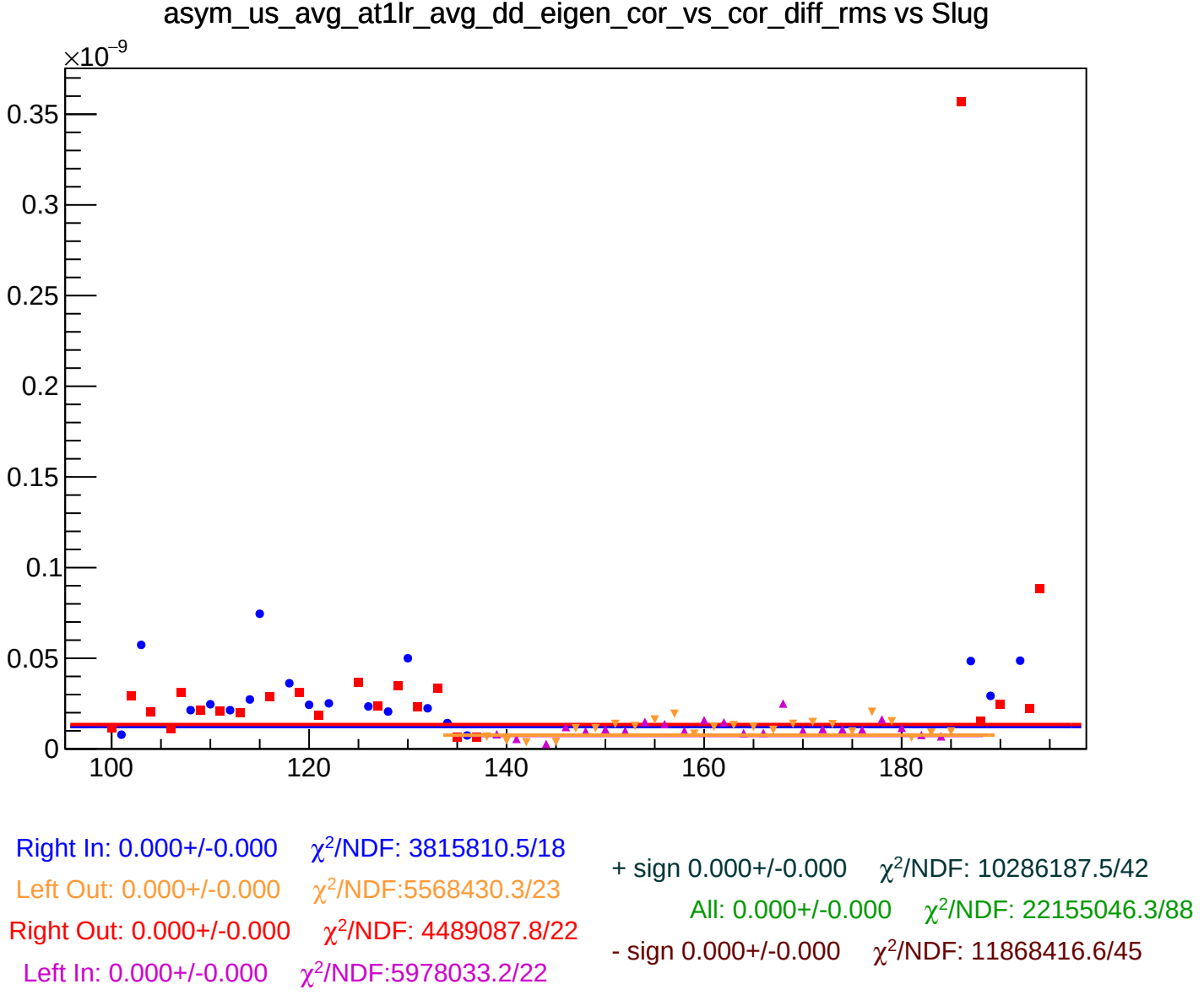
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/22

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

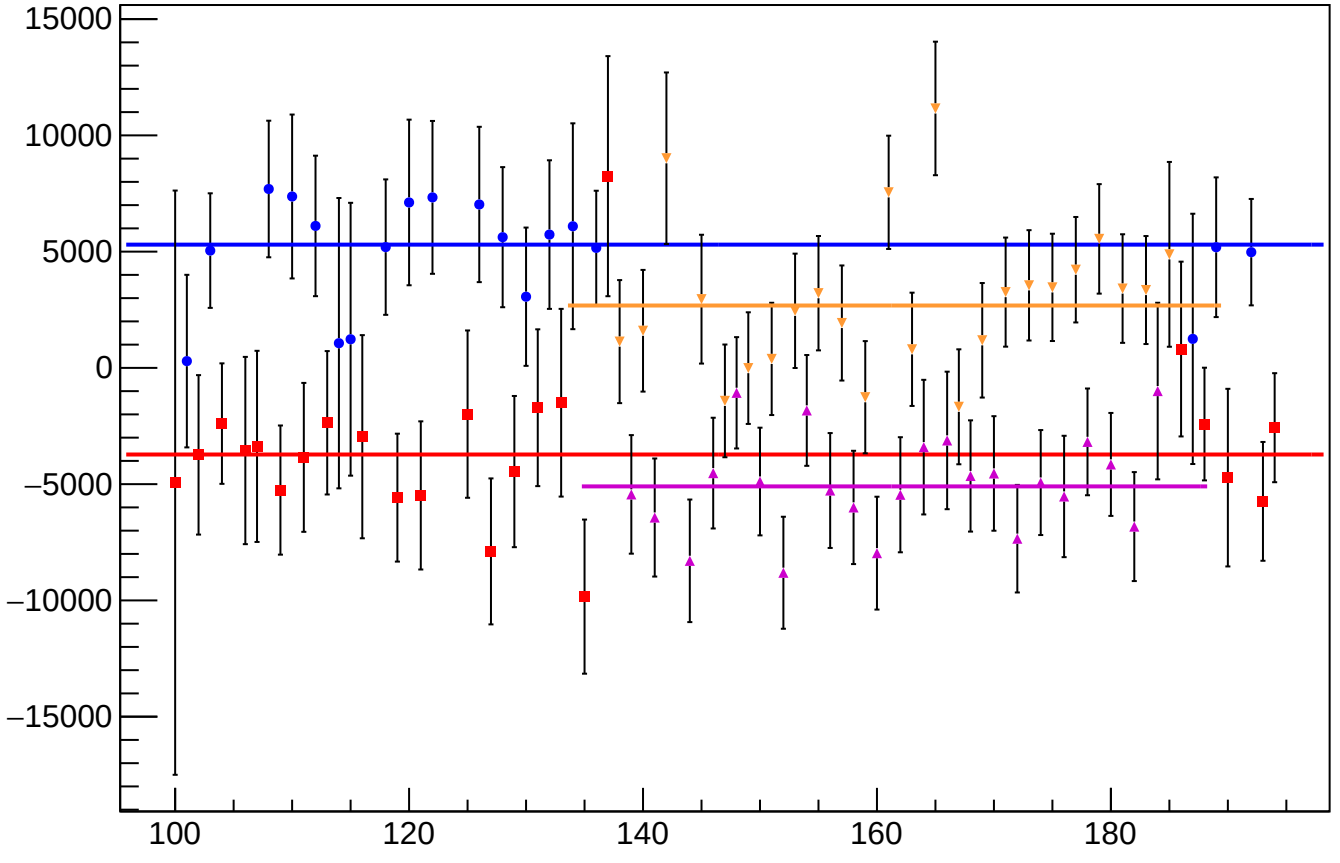
+ sign 0.000+/-0.000 χ^2/NDF: 27.5/42

All: 0.000+/-0.000 χ^2/NDF: 67.2/88

- sign 0.000+/-0.000 χ^2/NDF: 38.8/45


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: 4489087.8/22
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: 22155046.3/88
- sign 0.000+/-0.000 χ²/NDF: 11868416.6/45

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: -3724.982+/-678.433 χ^2/NDF: 15.7/22

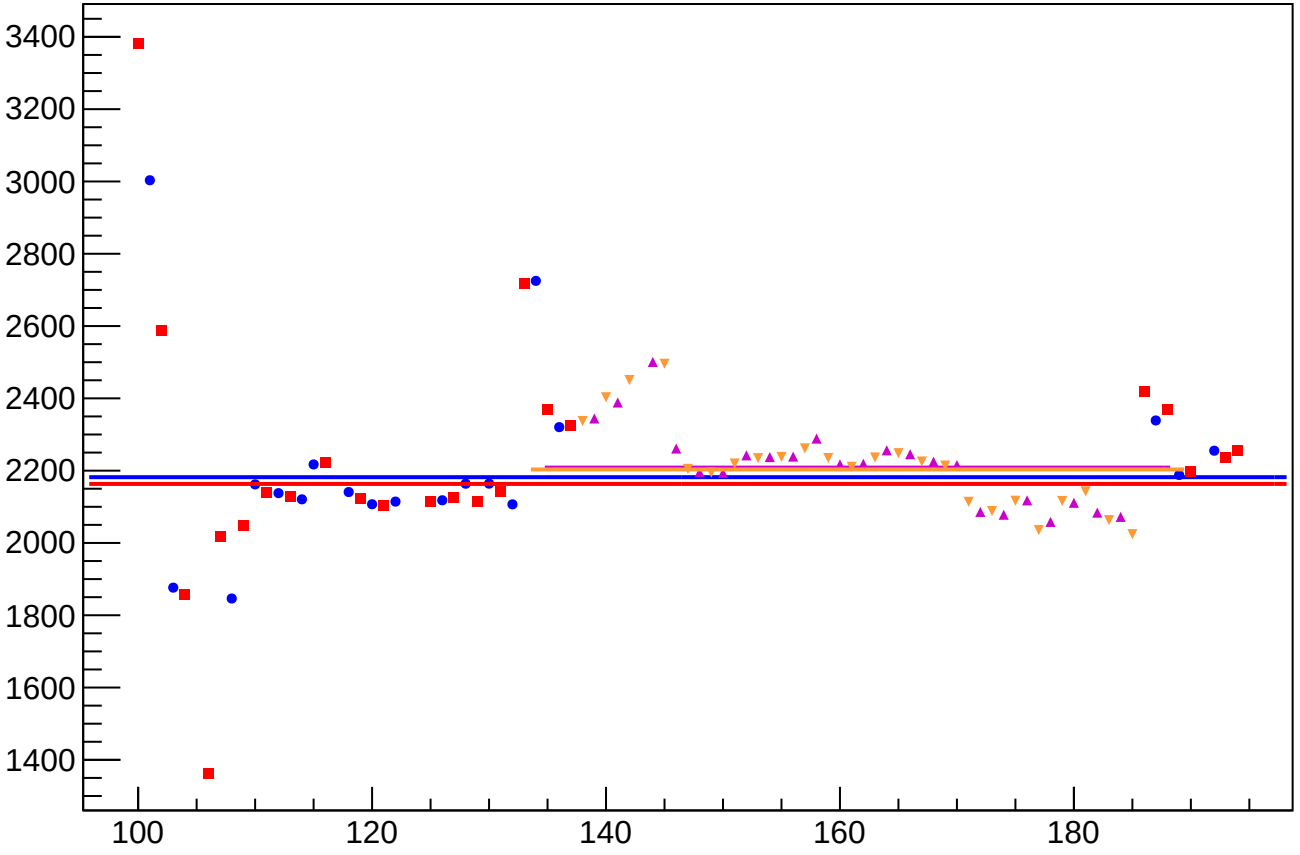
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3538.242+/-420.133 χ^2/NDF: 45.4/42

All: -618.743+/-293.732 χ^2/NDF: 270.1/88

- sign -4593.537+/-410.823 χ^2/NDF: 33.2/45

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

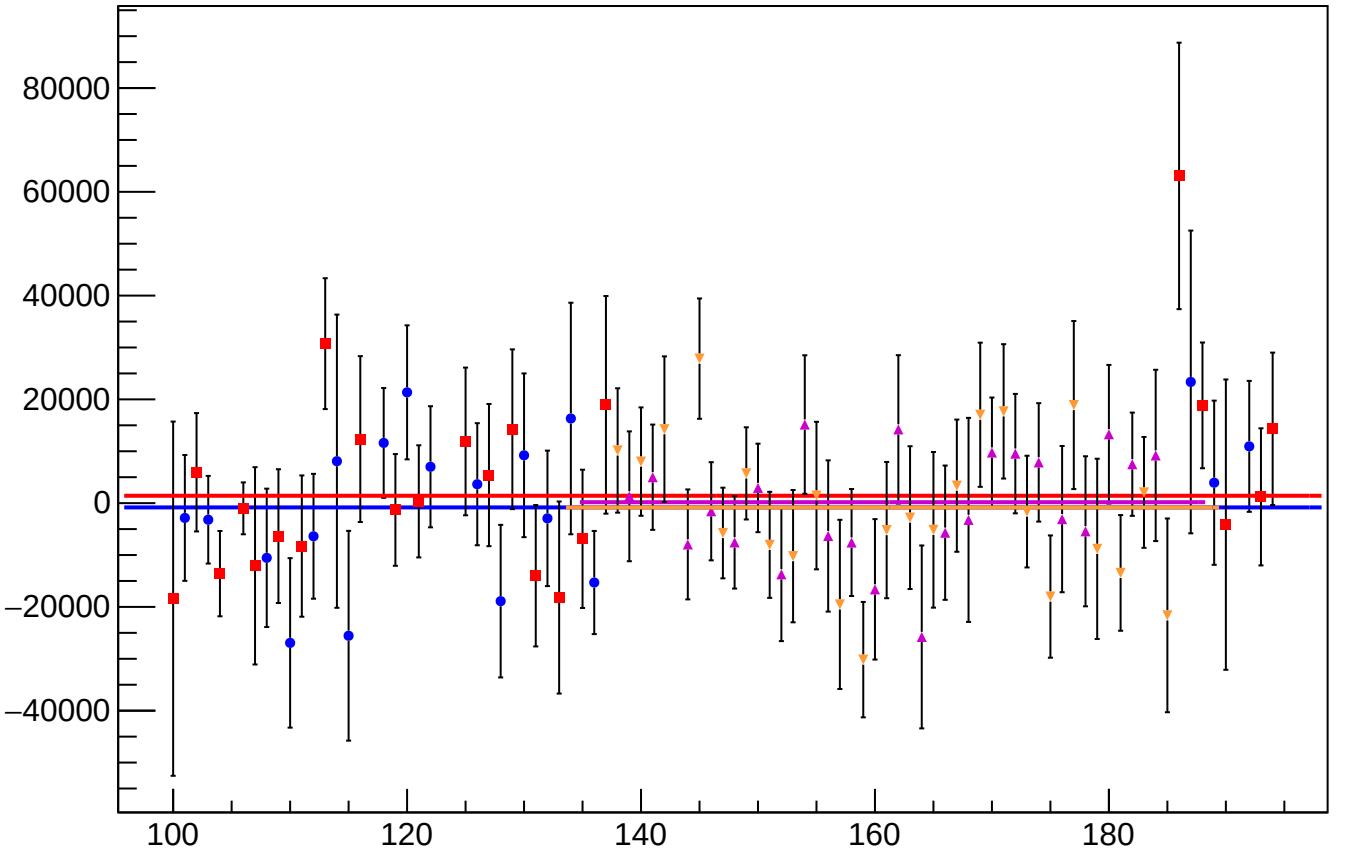
Right Out: 2163.312+/-0.474 χ^2/NDF: 304732.0/22

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2196.328+/-0.297 χ^2/NDF: 289289.3/42

All: 2193.910+/-0.207 χ^2/NDF: 680814.3/88

- sign 2191.616+/-0.289 χ^2/NDF: 391395.9/45



Right In: -823.046+/-3037.670 χ^2/NDF: 16.2/18

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: 1422.175+/-2535.344 χ^2/NDF: 24.8/22

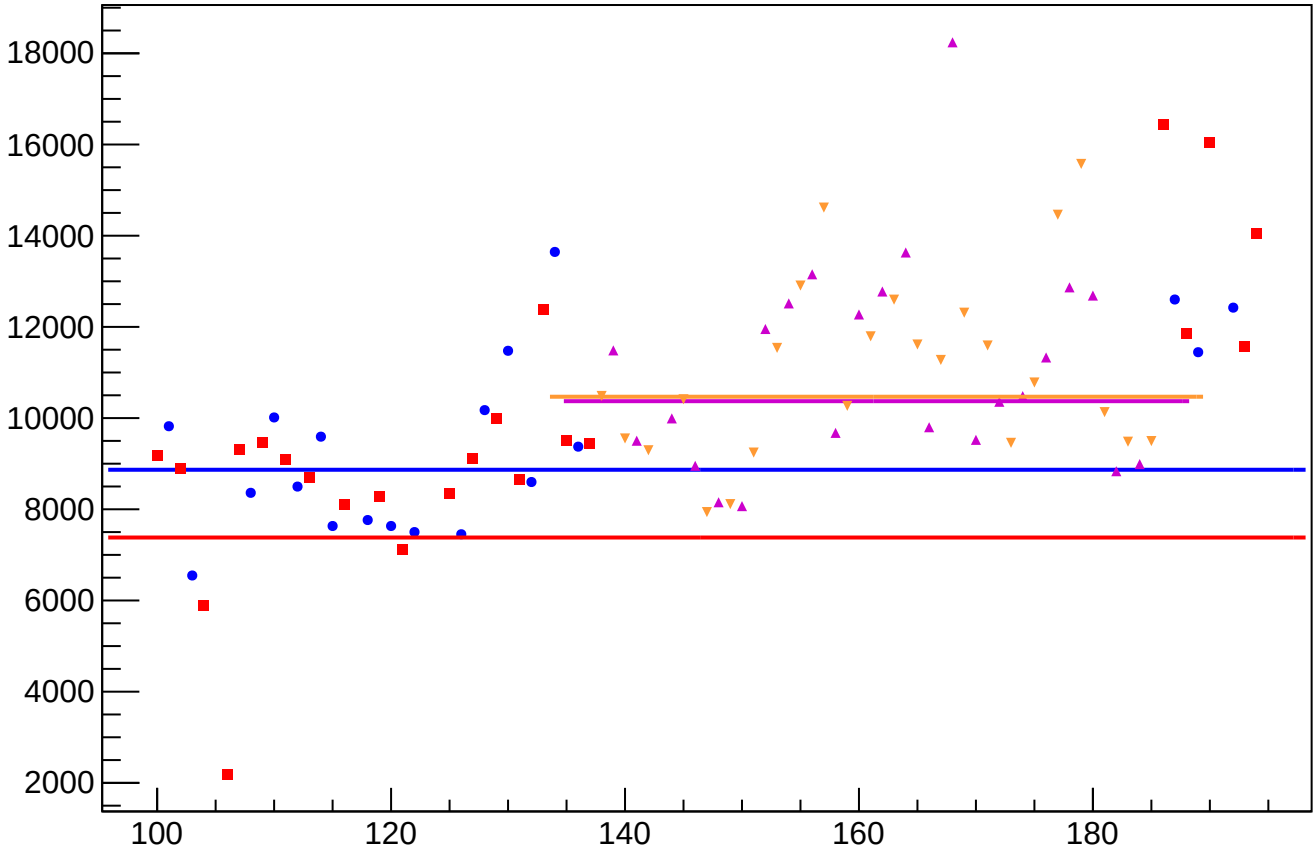
Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

+ sign -829.307+/-1921.759 χ^2/NDF: 45.7/42

All: 45.023+/-1301.791 χ^2/NDF: 84.8/88

- sign 786.425+/-1769.653 χ^2/NDF: 38.7/45

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 8866.918+/-2.148 χ^2/NDF: 695639.0/18

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 7380.938+/-1.793 χ^2/NDF: 4073798.5/22

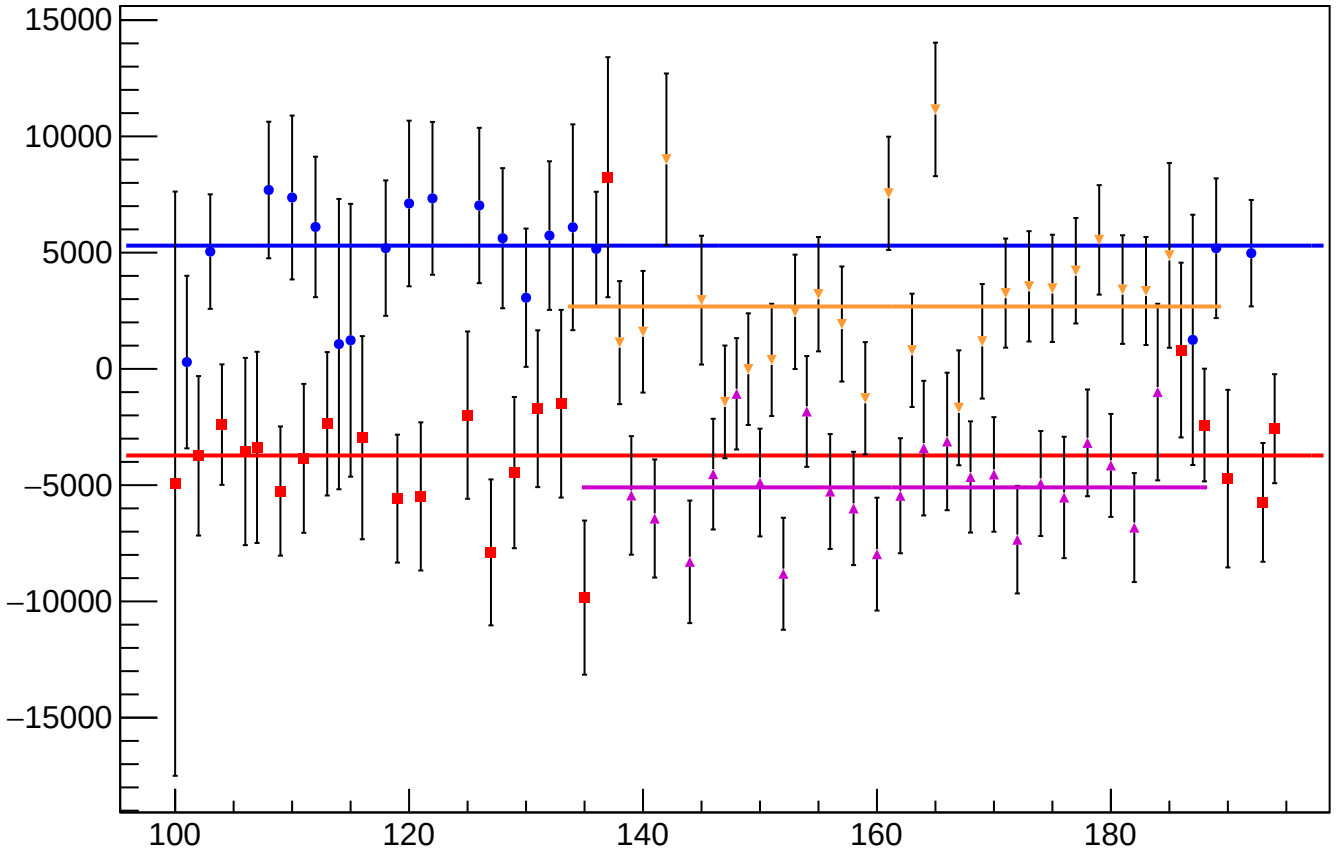
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 9827.595+/-1.359 χ^2/NDF: 2074417.1/42

All: 9333.327+/-0.921 χ^2/NDF: 9022850.1/88

- sign 8914.204+/-1.251 χ^2/NDF: 6703948.2/45

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: -3724.787+/-678.433 χ^2/NDF: 15.7/22

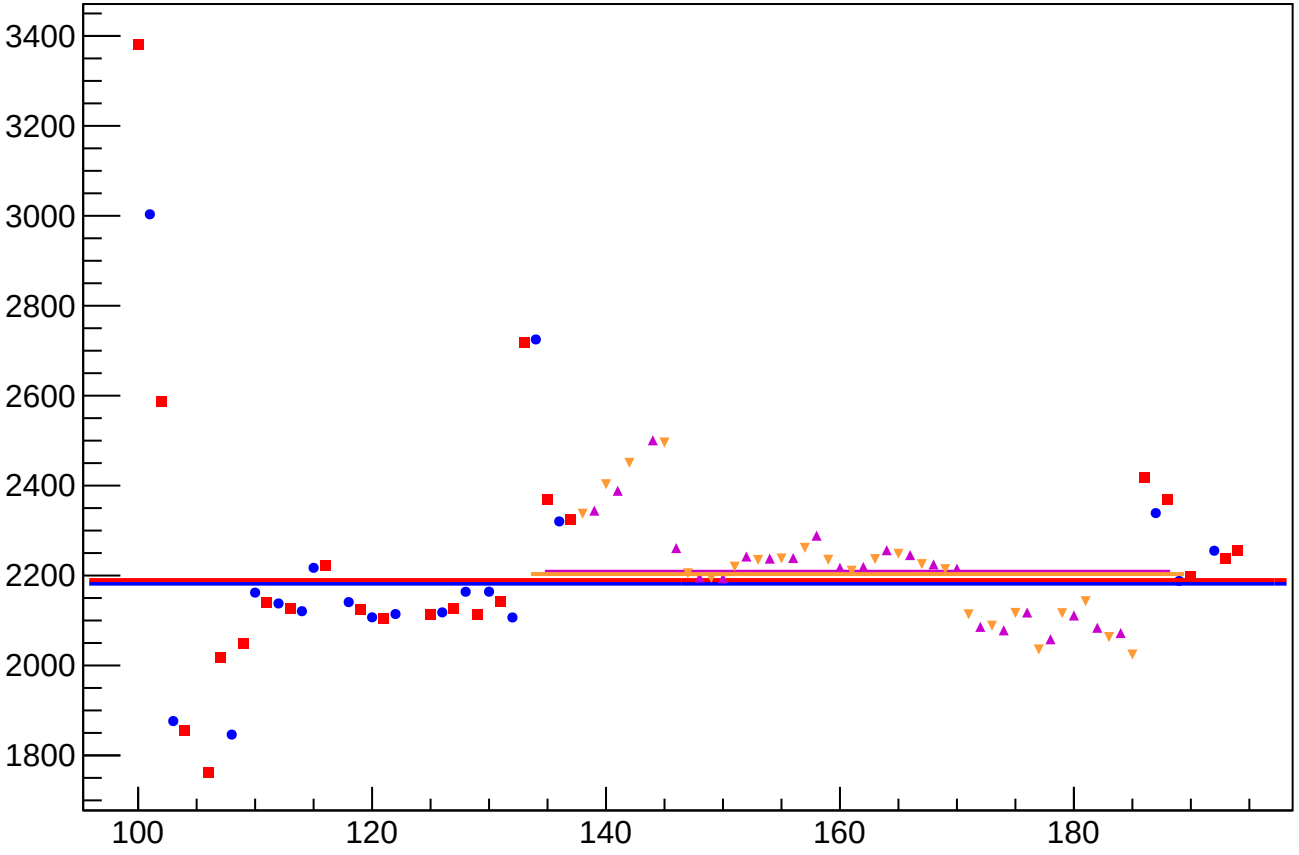
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3538.239+/-420.133 χ^2/NDF: 45.4/42

All: -618.678+/-293.732 χ^2/NDF: 270.1/88

- sign -4593.407+/-410.823 χ^2/NDF: 33.2/45

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

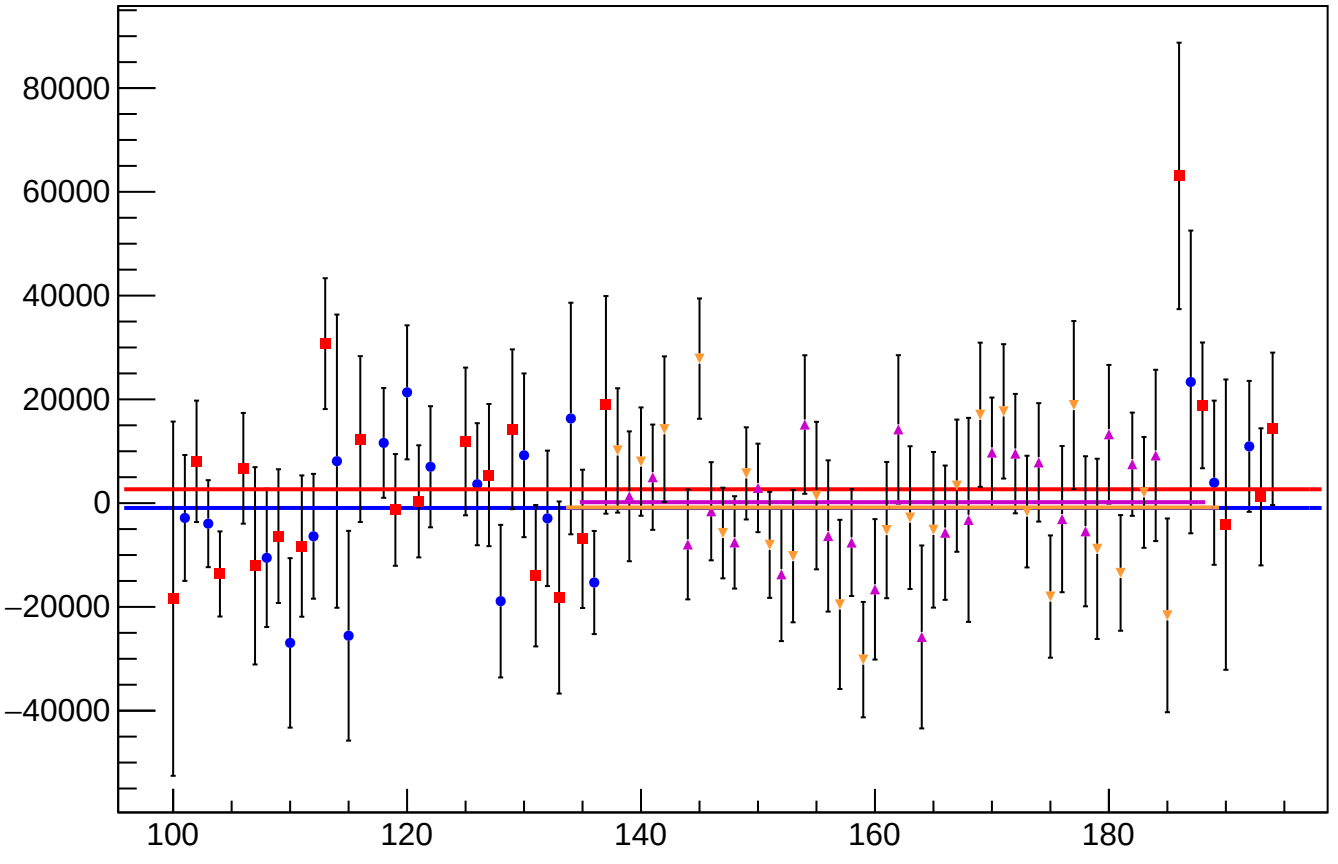
Right Out: 2189.905+/-0.478 χ^2/NDF: 183962.3/22

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2196.328+/-0.297 χ^2/NDF: 289289.7/42

All: 2199.014+/-0.208 χ^2/NDF: 555349.4/88

- sign 2201.575+/-0.290 χ^2/NDF: 265900.1/45



Right In: -927.861+/-3034.651 χ^2/NDF: 16.3/18

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

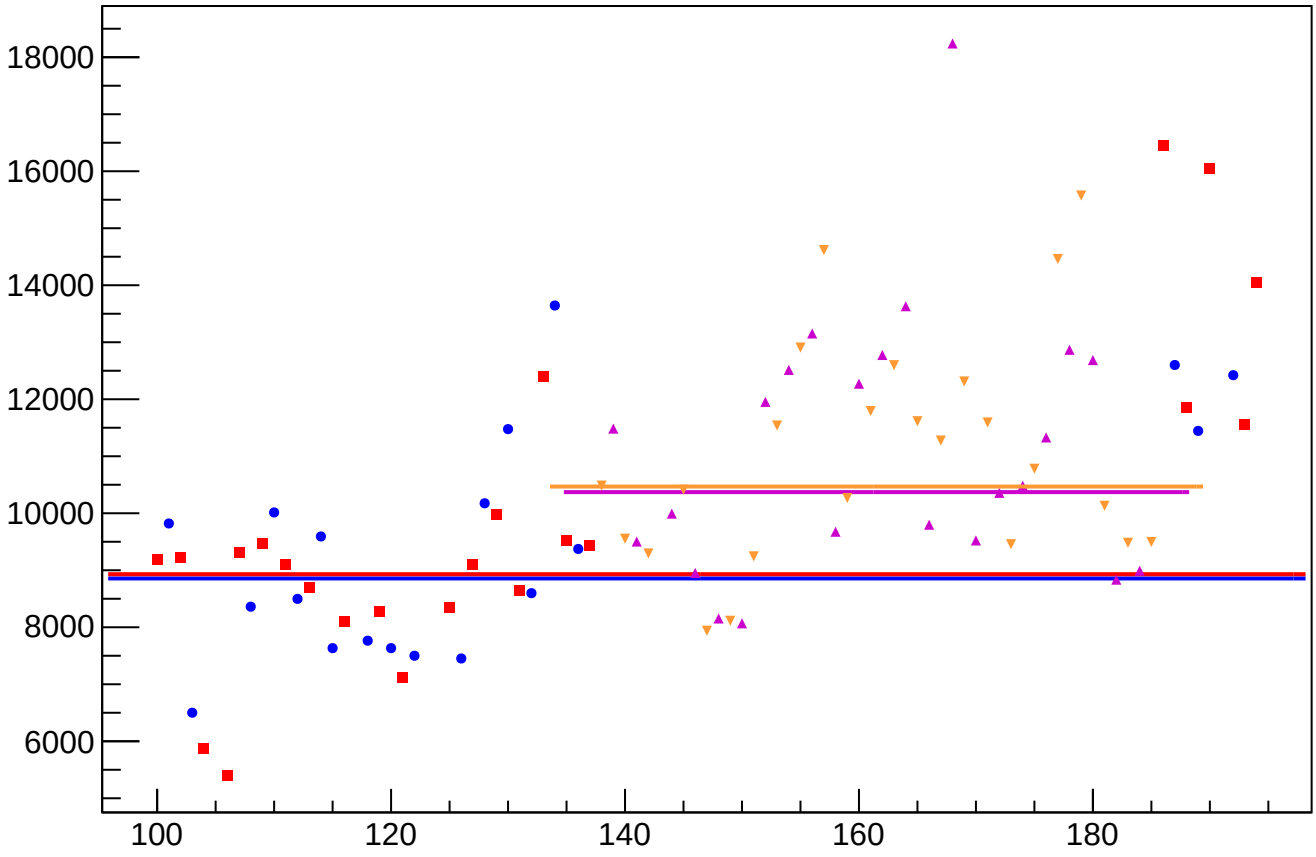
Right Out: 2672.203+/-2839.494 χ^2/NDF: 24.9/22

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -871.287+/-1920.994 χ^2/NDF: 45.8/42

All: 224.032+/-1337.785 χ^2/NDF: 85.4/88

- sign 1255.449+/-1864.116 χ^2/NDF: 39.0/45



Right In: 8856.089+/-2.146 χ^2/NDF: 704212.3/18

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

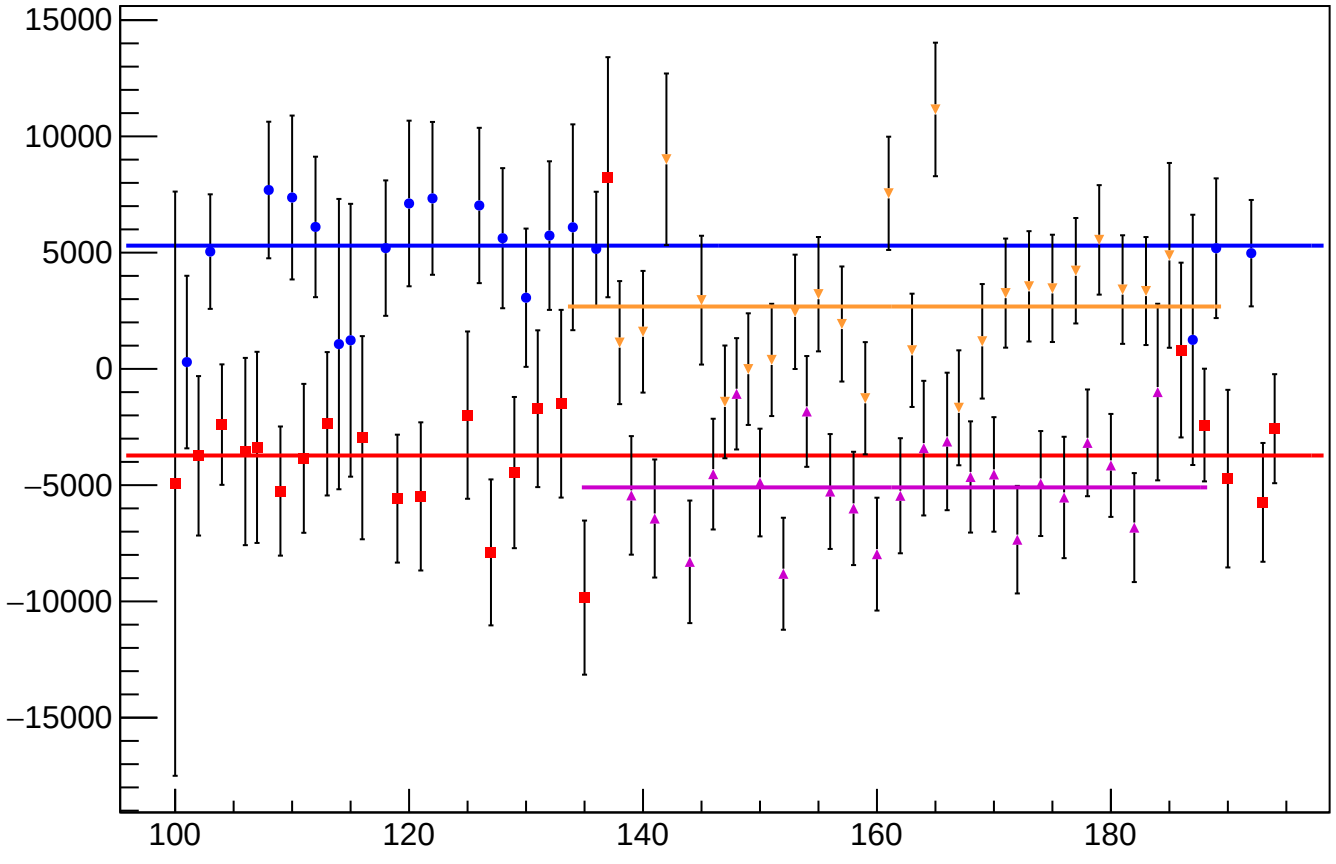
Right Out: 8931.037+/-2.008 χ^2/NDF: 1399479.6/22

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9822.490+/-1.358 χ^2/NDF: 2087919.6/42

All: 9785.326+/-0.946 χ^2/NDF: 4985236.6/88

- sign 9750.330+/-1.318 χ^2/NDF: 2895863.6/45



Right In: 5301.121+/-735.024 χ^2/NDF: 6.0/18

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3724.787+/-678.433 χ^2/NDF: 15.7/22

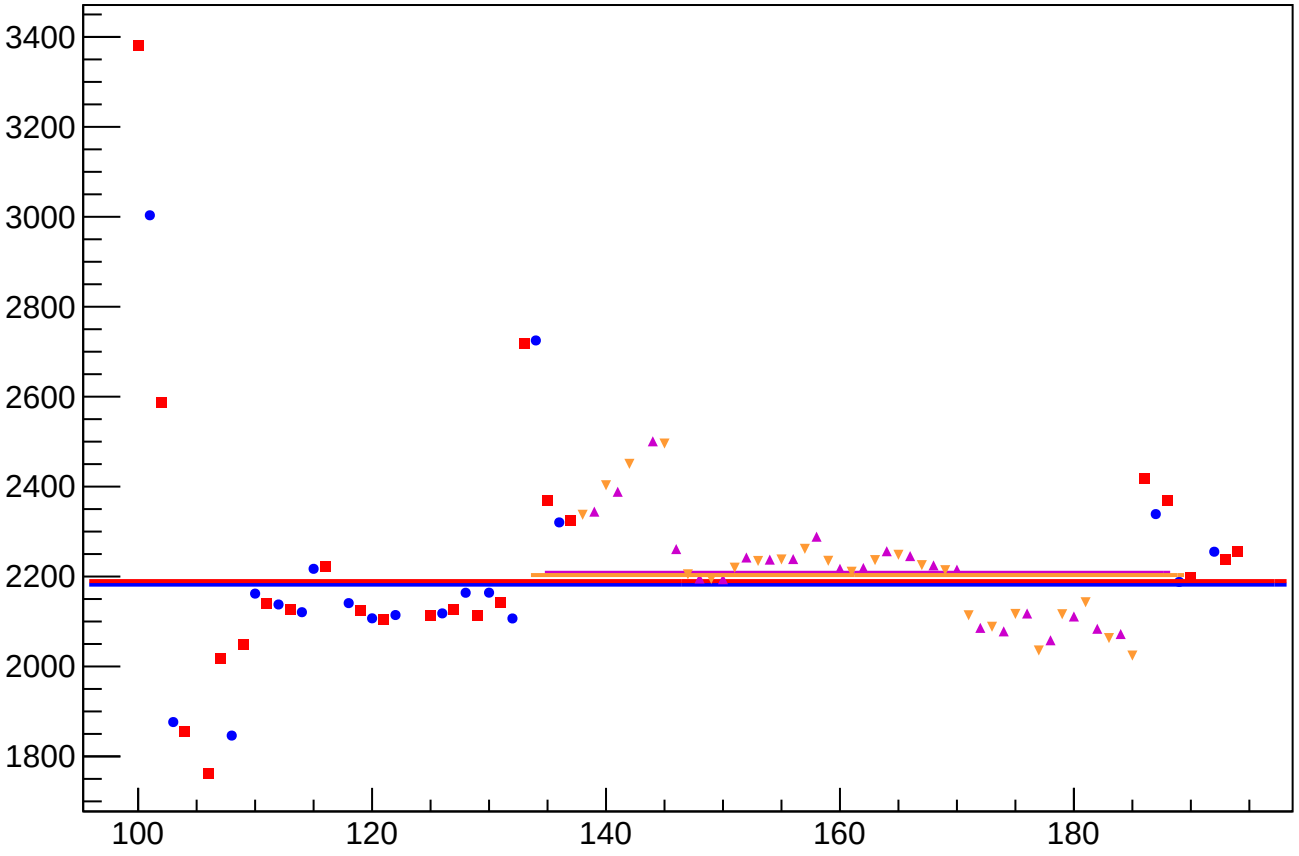
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3538.239+/-420.133 χ^2/NDF: 45.4/42

All: -618.678+/-293.732 χ^2/NDF: 270.1/88

- sign -4593.407+/-410.823 χ^2/NDF: 33.2/45

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

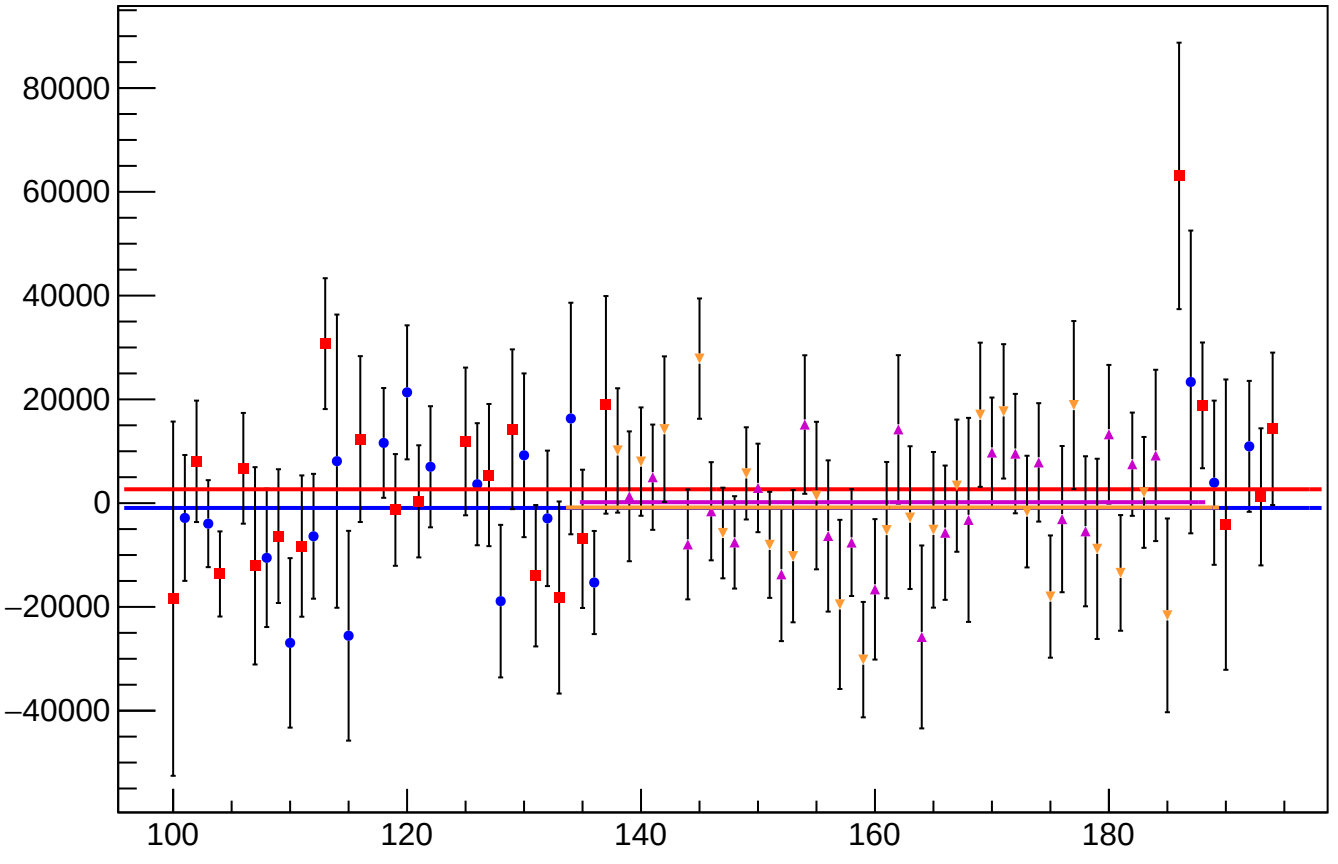
Right Out: 2189.905+/-0.478 χ^2/NDF: 183962.3/22

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2196.328+/-0.297 χ^2/NDF: 289289.7/42

All: 2199.014+/-0.208 χ^2/NDF: 555349.4/88

- sign 2201.575+/-0.290 χ^2/NDF: 265900.1/45



Right In: -927.861+/-3034.651 χ^2/NDF: 16.3/18

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

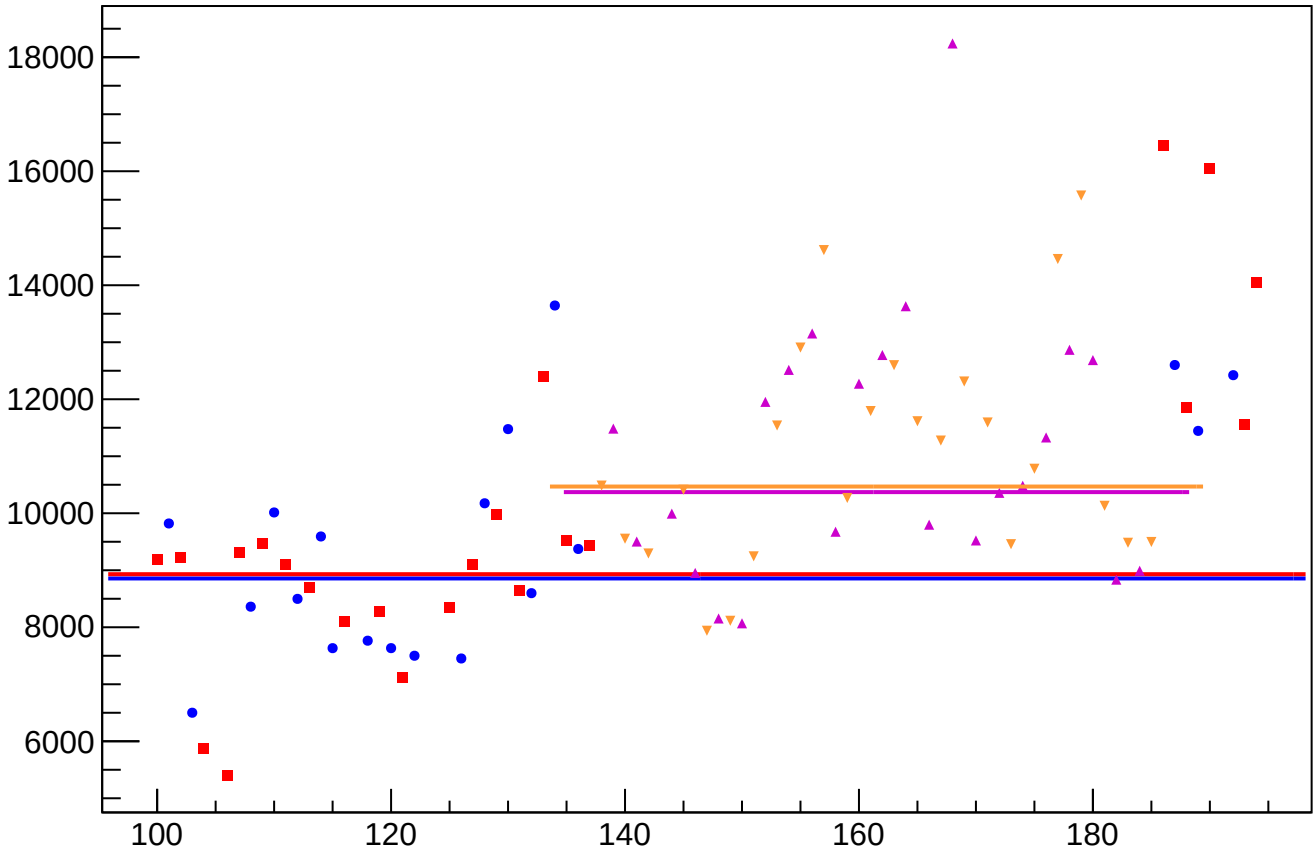
Right Out: 2672.203+/-2839.494 χ^2/NDF: 24.9/22

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -871.287+/-1920.994 χ^2/NDF: 45.8/42

All: 224.032+/-1337.785 χ^2/NDF: 85.4/88

- sign 1255.449+/-1864.116 χ^2/NDF: 39.0/45



Right In: 8856.089+/-2.146 χ^2/NDF: 704212.3/18

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 8931.037+/-2.008 χ^2/NDF: 1399479.6/22

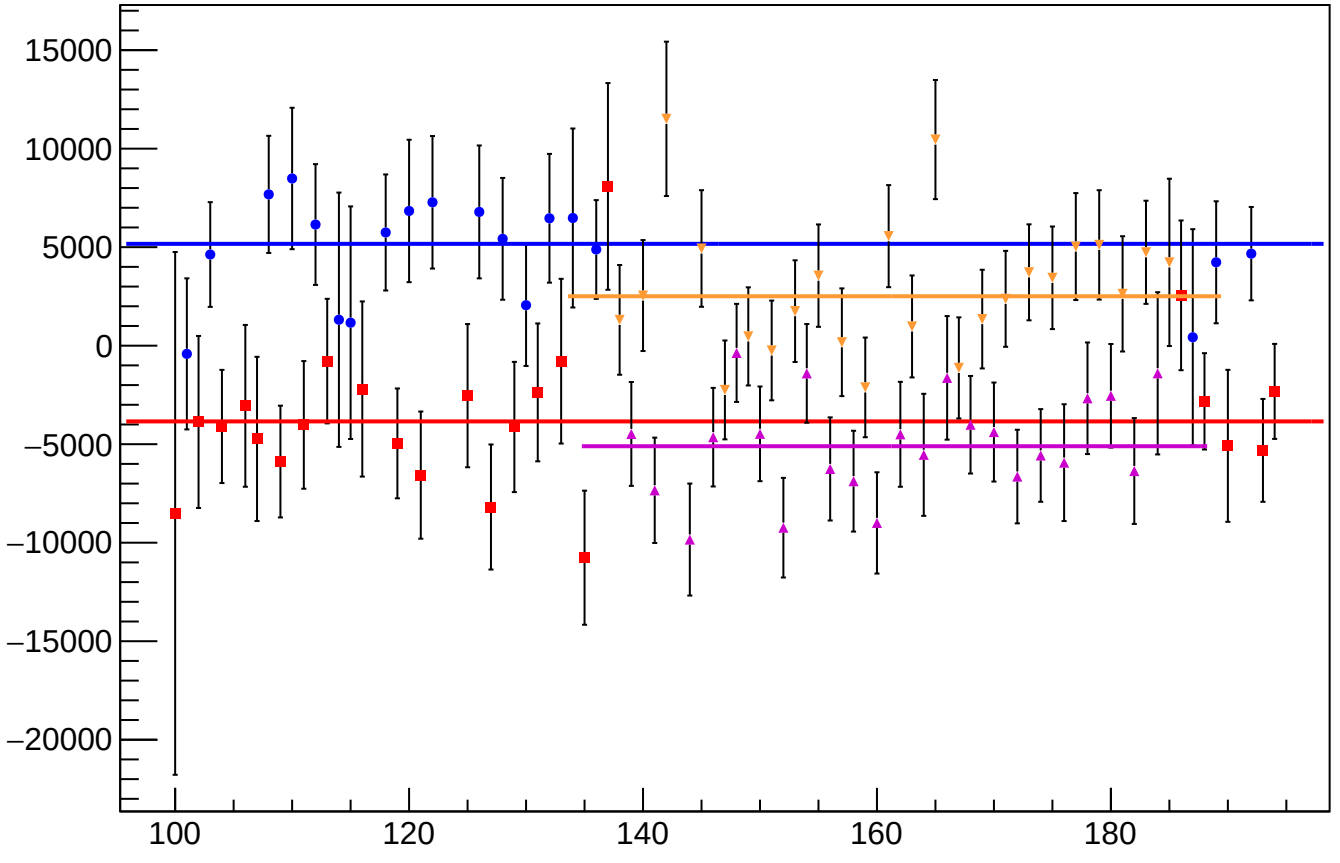
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9822.490+/-1.358 χ^2/NDF: 2087919.6/42

All: 9785.326+/-0.946 χ^2/NDF: 4985236.6/88

- sign 9750.330+/-1.318 χ^2/NDF: 2895863.6/45

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5168.783+/-754.986 χ^2/NDF: 7.7/18

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -3843.671+/-699.784 χ^2/NDF: 18.5/22

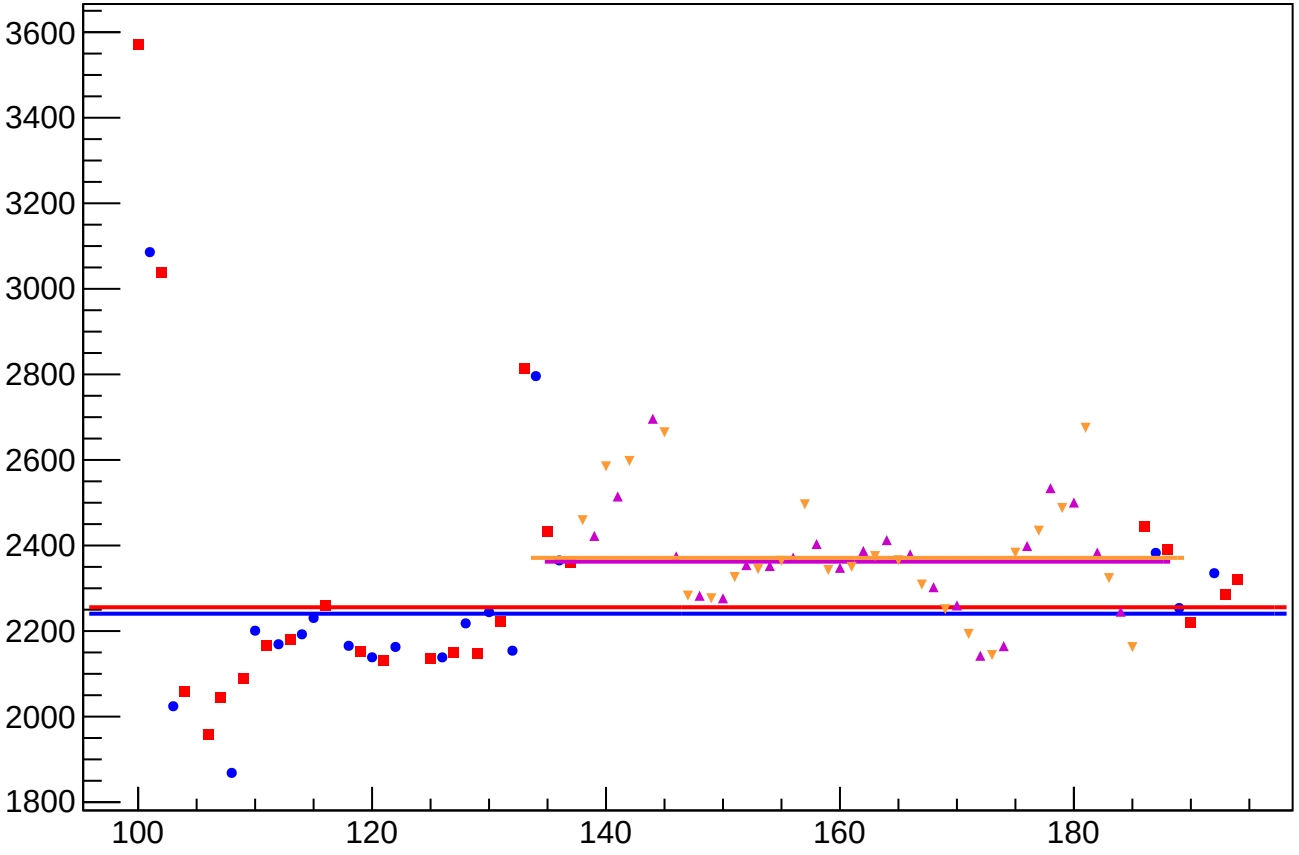
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3434.645+/-445.391 χ^2/NDF: 45.6/42

All: -699.659+/-310.714 χ^2/NDF: 253.9/88

- sign -4619.334+/-433.676 χ^2/NDF: 40.4/45

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

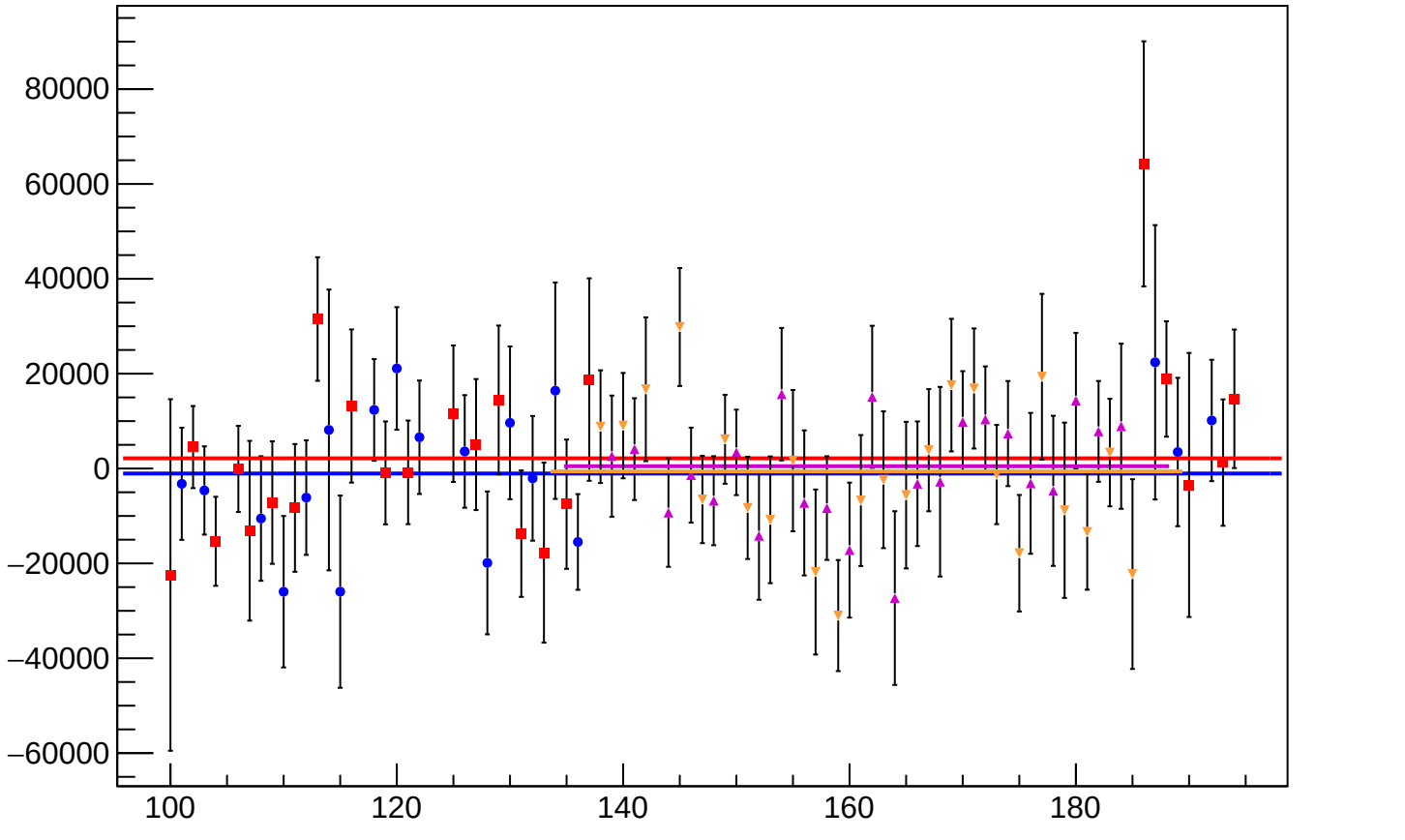
Right Out: 2255.655+/-0.495 χ^2/NDF: 186145.3/22

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2325.700+/-0.315 χ^2/NDF: 345277.6/42

All: 2323.425+/-0.220 χ^2/NDF: 652002.3/88

- sign 2321.270+/-0.307 χ^2/NDF: 306623.1/45



Right In: -1049.260+/-3088.930 χ^2/NDF: 16.1/18

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

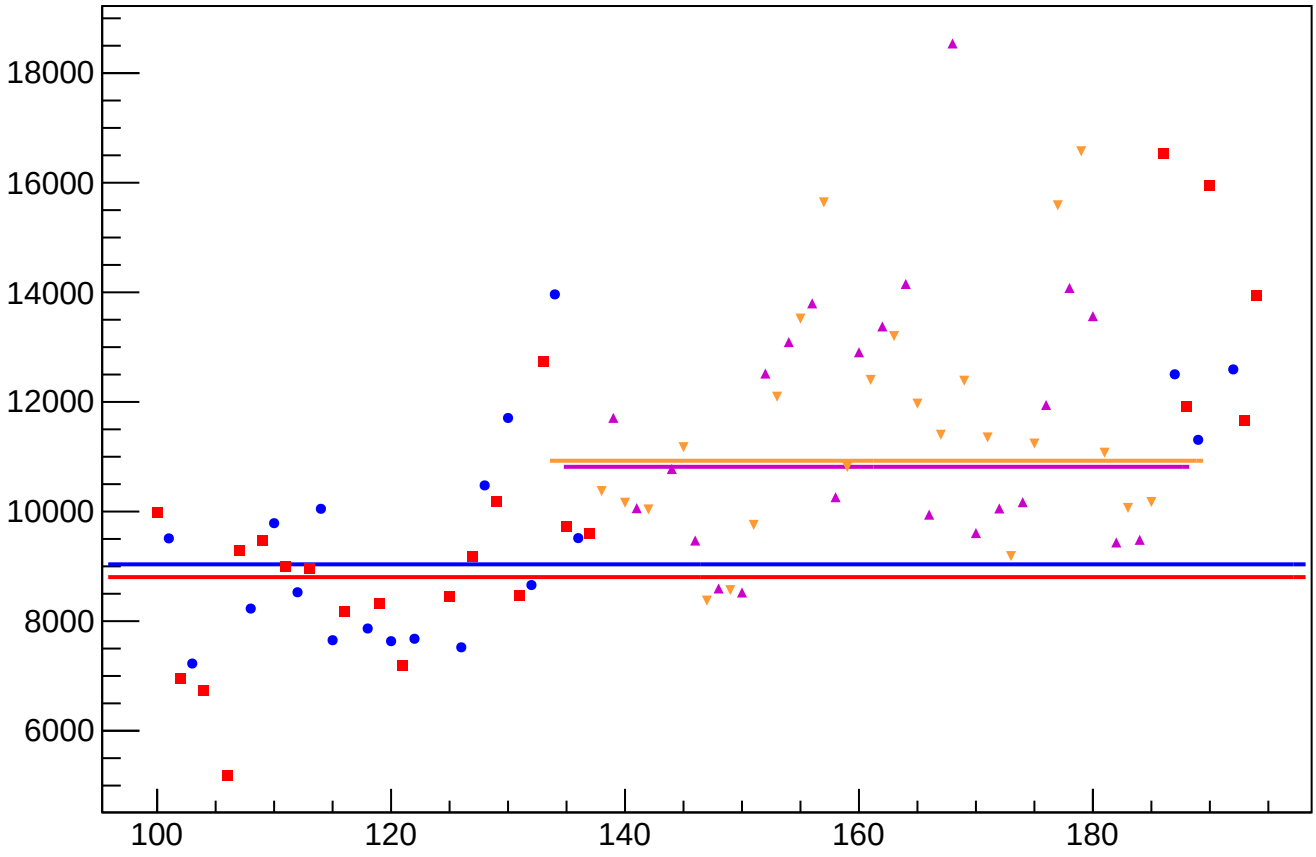
Right Out: 2150.578+/-2790.657 χ^2/NDF: 24.7/22

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -790.319+/-1984.626 χ^2/NDF: 45.0/42

All: 280.144+/-1369.926 χ^2/NDF: 84.0/88

- sign 1254.387+/-1893.332 χ^2/NDF: 38.4/45



Right In: 9036.876+/-2.184 χ^2/NDF: 609773.9/18

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

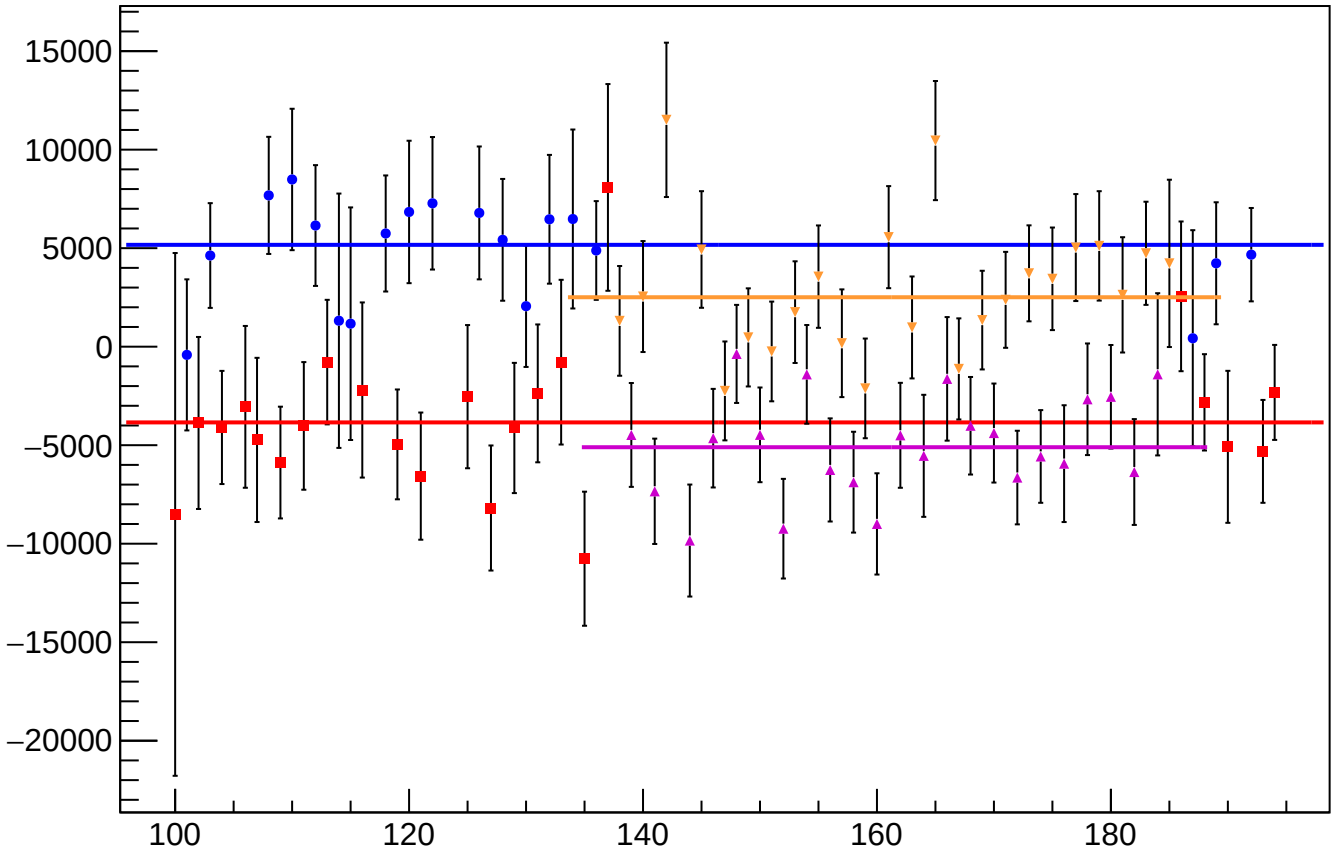
Right Out: 8803.496+/-1.973 χ^2/NDF: 1464883.5/22

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10146.672+/-1.403 χ^2/NDF: 2106763.3/42

All: 10012.201+/-0.969 χ^2/NDF: 5347547.2/8

- sign 9889.818+/-1.339 χ^2/NDF: 3223245.6/45



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: -3843.674+/-699.784 χ^2/NDF: 18.5/22

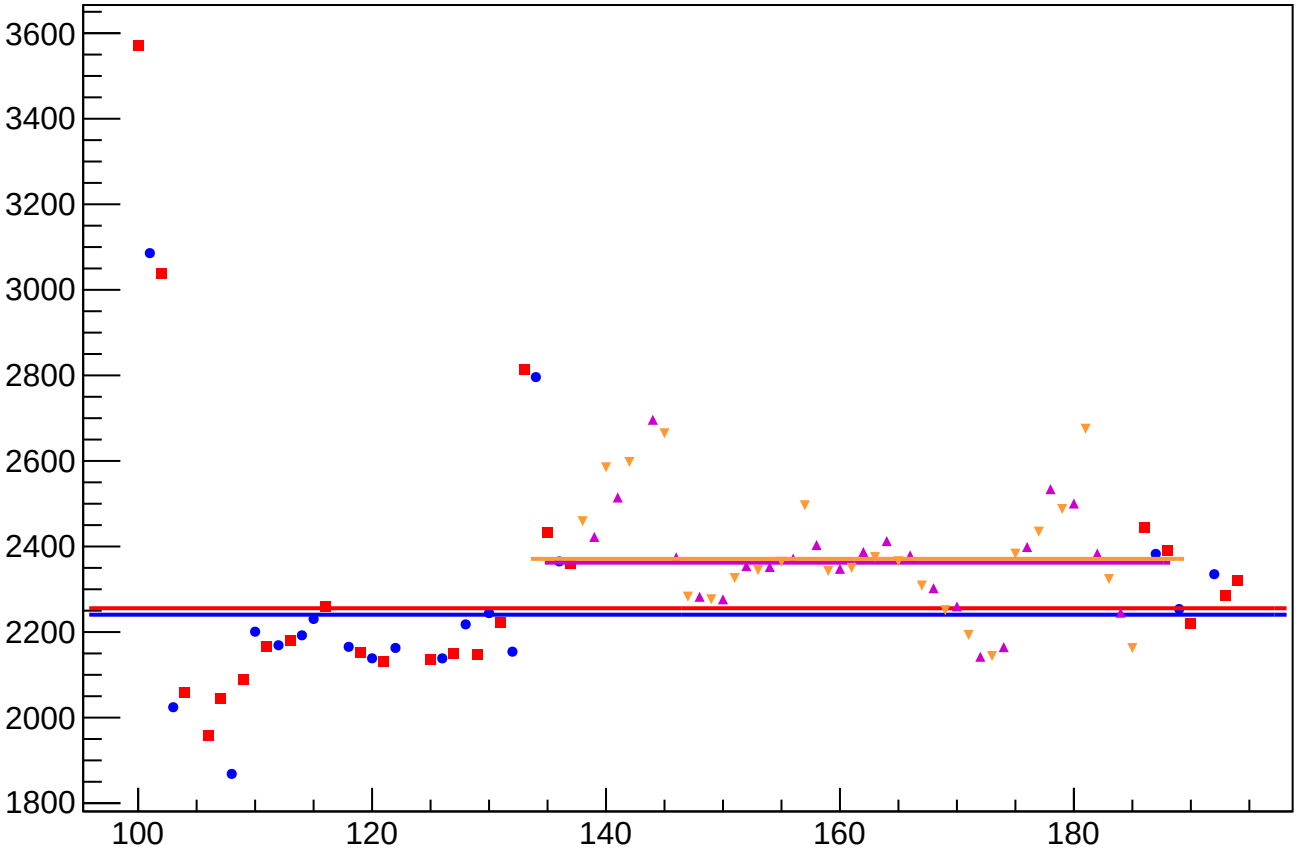
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

\+ sign 3434.639+/-445.392 χ^2/NDF: 45.6/42

All: -699.662+/-310.715 χ^2/NDF: 253.9/88

\- sign -4619.336+/-433.676 χ^2/NDF: 40.4/45

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

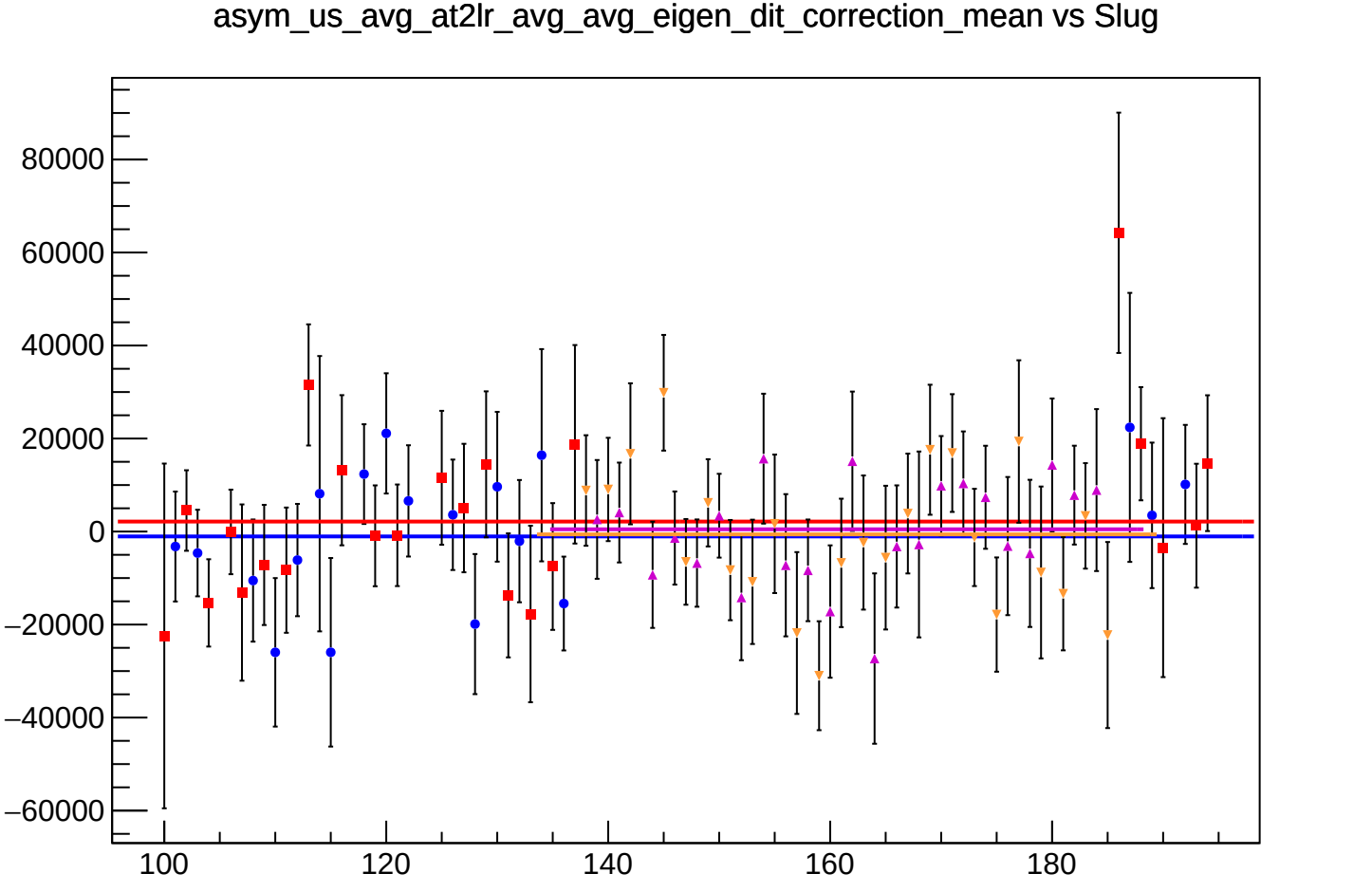
Right Out: 2255.655+/-0.495 χ^2/NDF: 186145.3/22

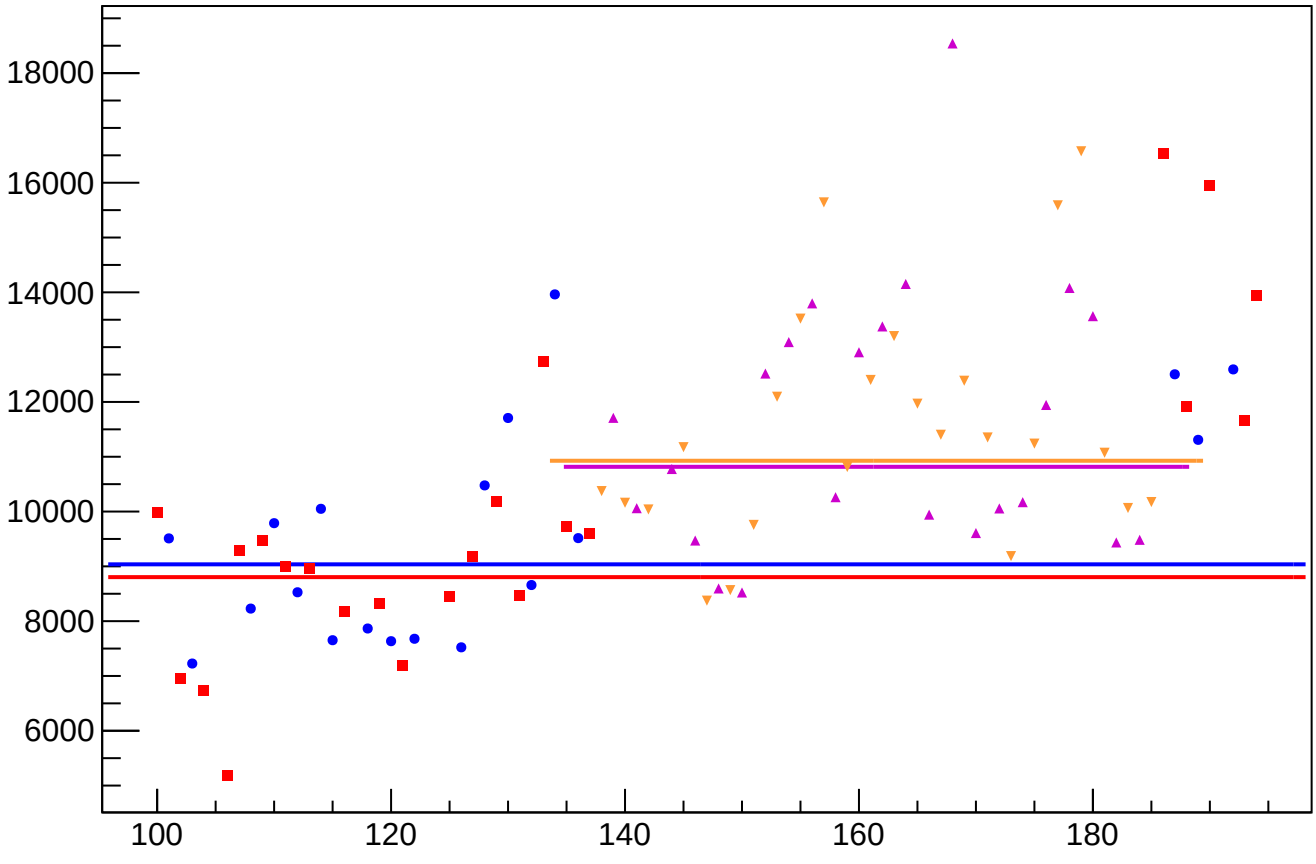
Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2325.702+/-0.315 χ^2/NDF: 345284.5/42

All: 2323.427+/-0.220 χ^2/NDF: 652015.8/88

- sign 2321.271+/-0.307 χ^2/NDF: 306629.7/45


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
Right In: -1049.244+/-3088.924 χ²/NDF: 16.1/18
Left Out: -608.291+/-2589.924 χ²/NDF:28.9/23
Right Out: 2150.564+/-2790.652 χ²/NDF: 24.7/22
Left In: 490.047+/-2577.218 χ²/NDF:13.5/22
+ sign -790.318+/-1984.626 χ²/NDF: 45.0/42
All: 280.143+/-1369.926 χ²/NDF: 84.0/88
- sign 1254.385+/-1893.332 χ²/NDF: 38.4/45



Right In: 9036.856+/-2.184 χ^2/NDF: 609780.6/18

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 8803.479+/-1.973 χ^2/NDF: 1464889.6/22

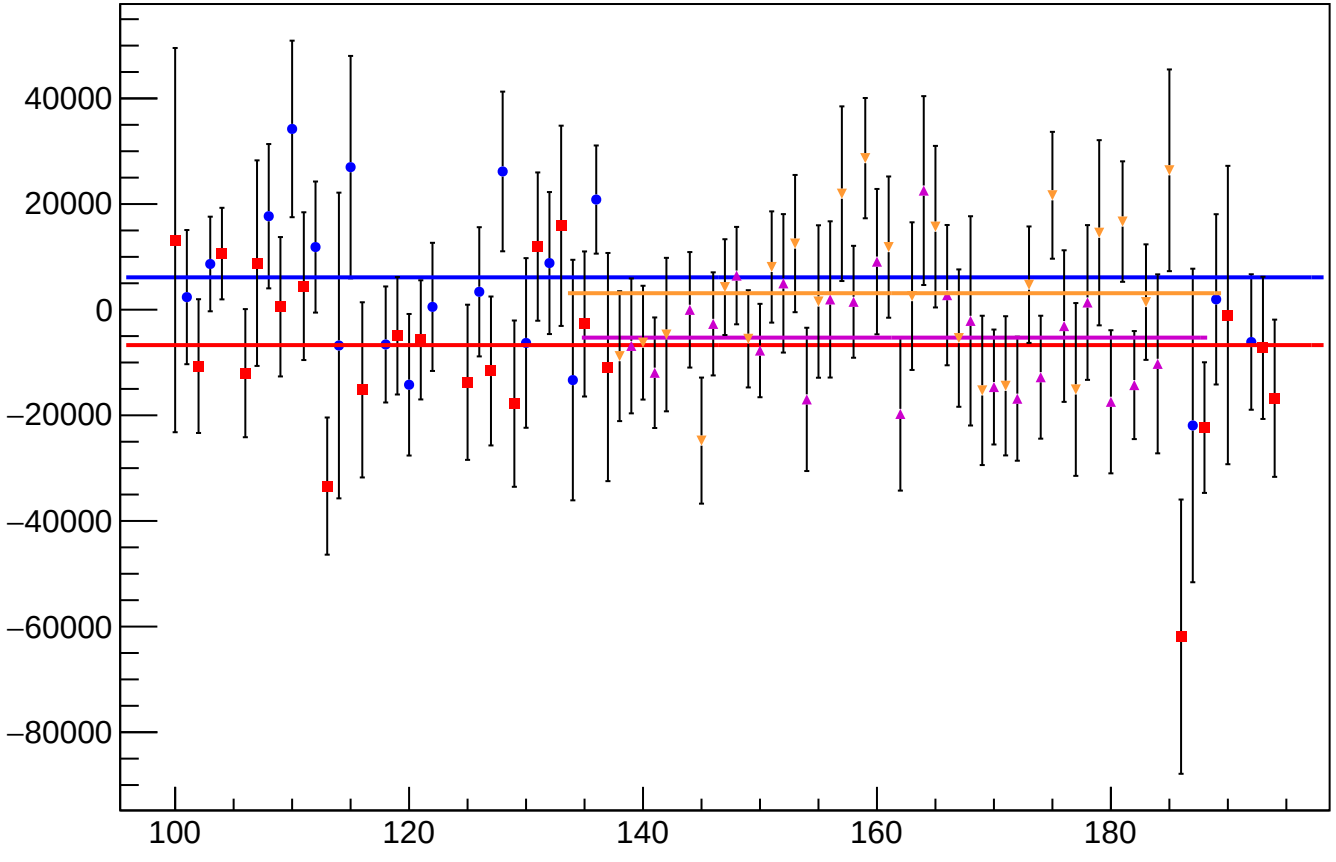
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10146.671+/-1.403 χ^2/NDF: 2106790.4/42

All: 10012.200+/-0.969 χ^2/NDF: 5347603.1/8

- sign 9889.816+/-1.339 χ^2/NDF: 3223274.4/45

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: -6706.002+/-2956.347 χ^2/NDF: 21.4/22

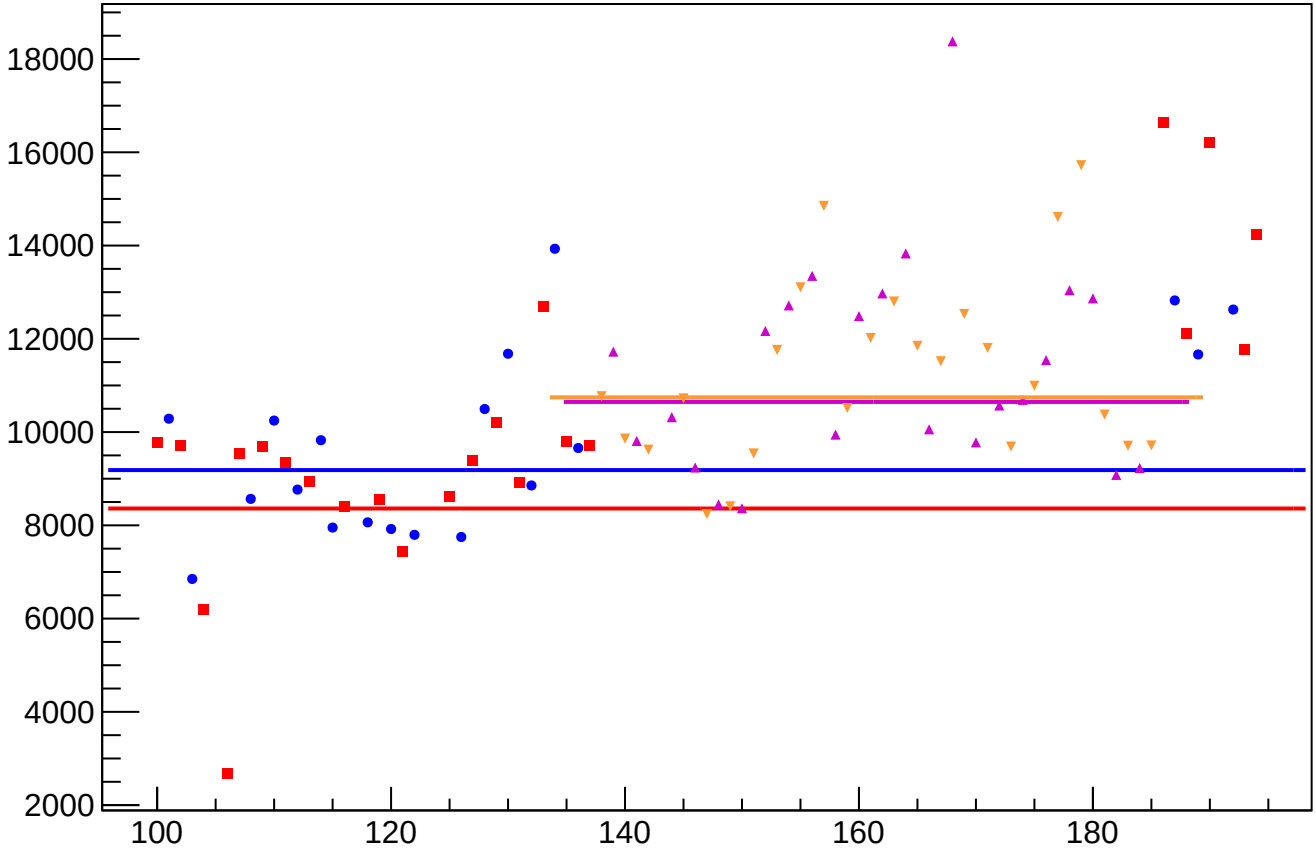
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4307.901+/-1977.020 χ^2/NDF: 44.1/42

All: -930.822+/-1378.660 χ^2/NDF: 92.7/88

- sign -5889.855+/-1923.520 χ^2/NDF: 34.9/45

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

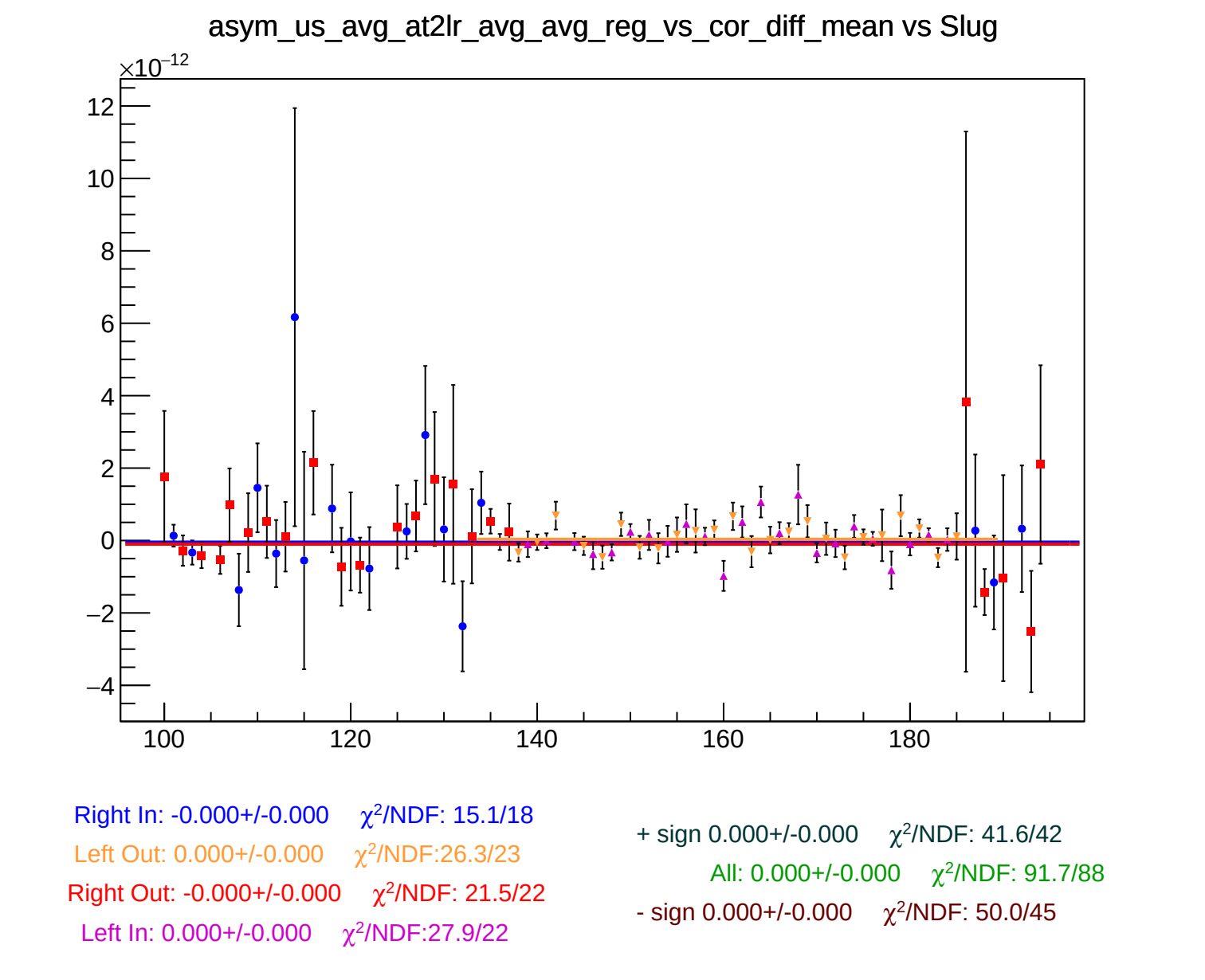
Right Out: 8360.813+/-1.963 χ^2/NDF: 2791144.1/22

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10128.159+/-1.398 χ^2/NDF: 1905099.2/42

All: 9854.006+/-0.961 χ^2/NDF: 6622856.3/88

- sign 9608.370+/-1.323 χ^2/NDF: 4644839.7/45


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
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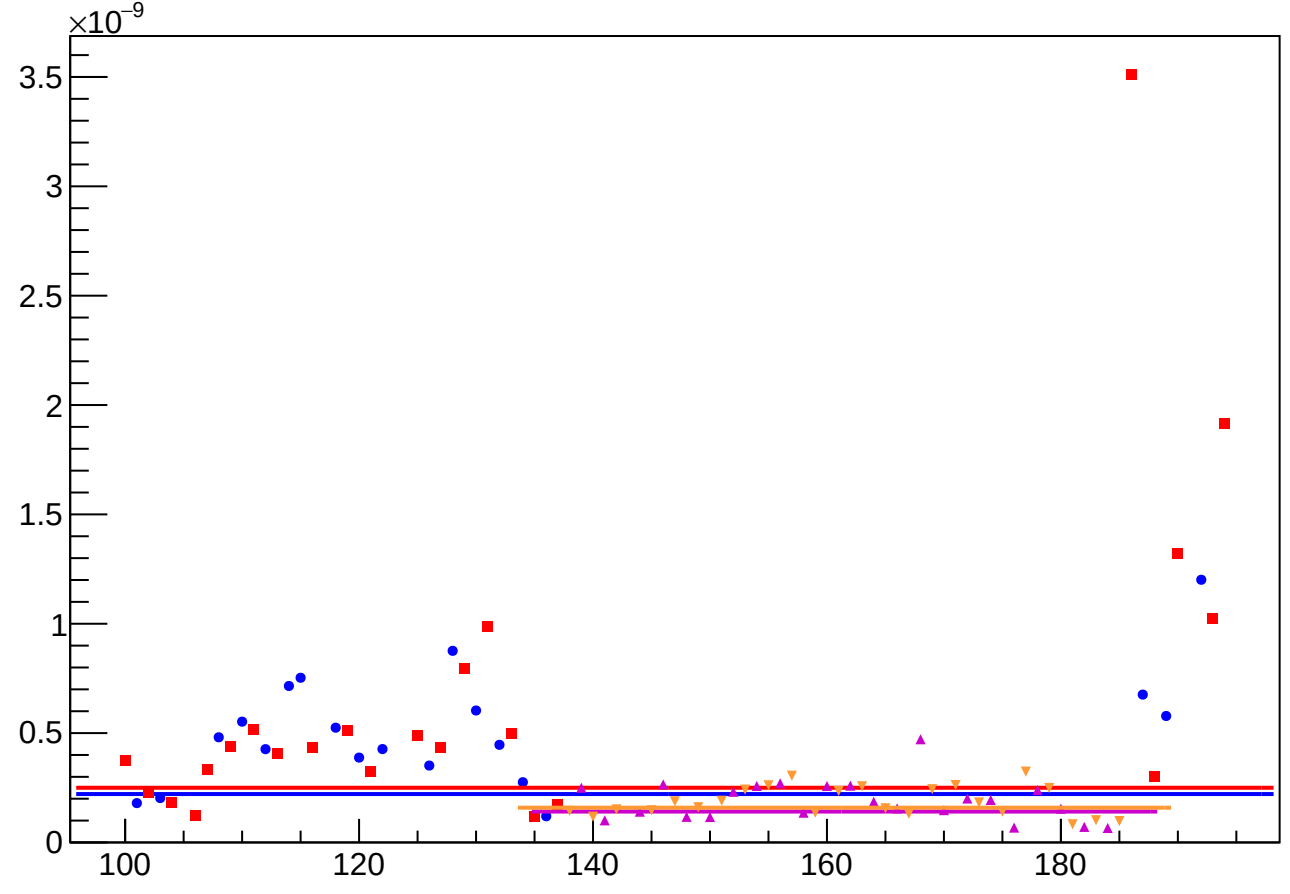
Right In: -0.000+/-0.000 χ²/NDF: 15.1/18
Left Out: 0.000+/-0.000 χ²/NDF:26.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 21.5/22
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
+ sign 0.000+/-0.000 χ²/NDF: 41.6/42
All: 0.000+/-0.000 χ²/NDF: 91.7/88
- sign 0.000+/-0.000 χ²/NDF: 50.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 2522754.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

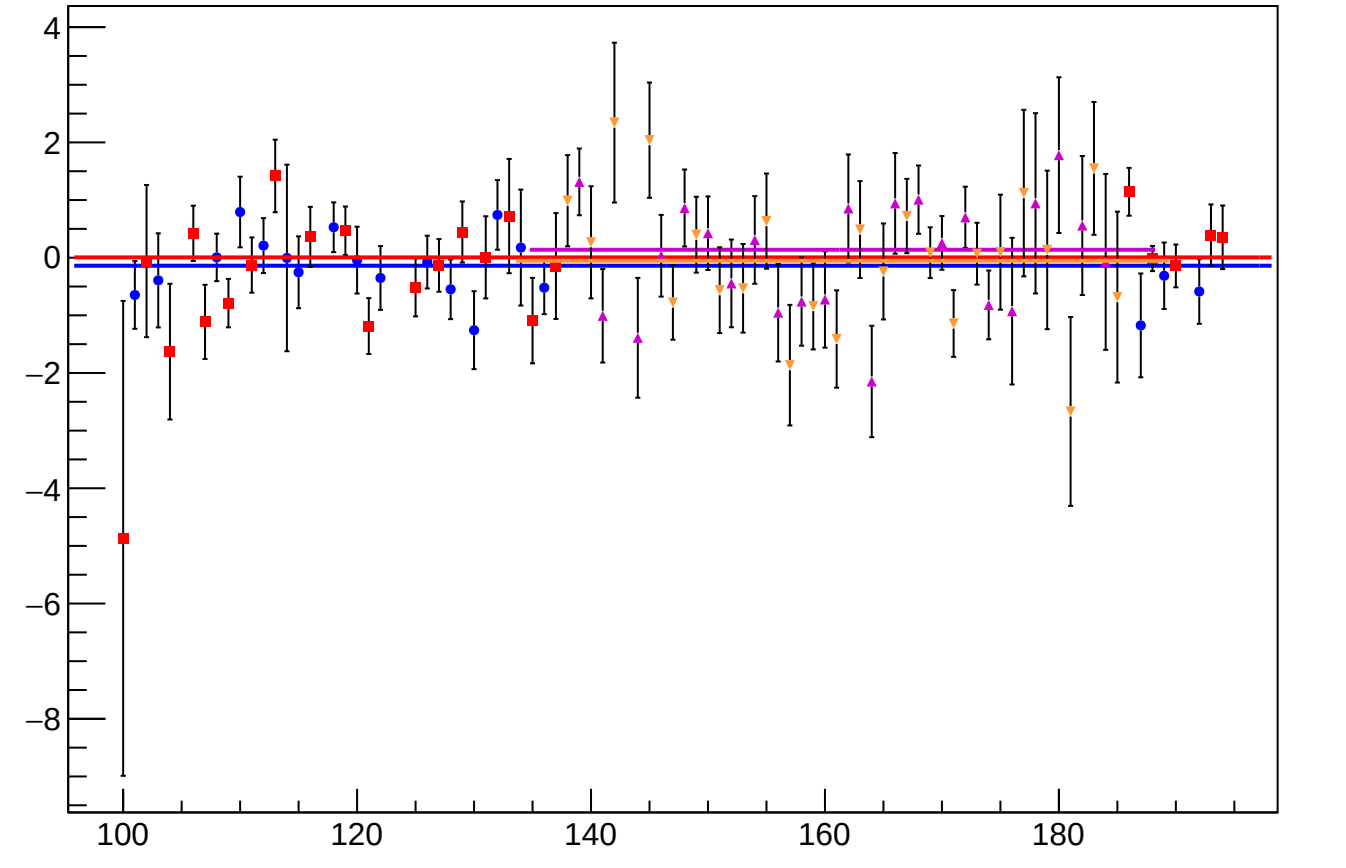
Right Out: 0.000+/-0.000 χ^2/NDF: 3435883.9/22

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4145163.3/42

All: 0.000+/-0.000 χ^2/NDF: 10928474.9/88

- sign 0.000+/-0.000 χ^2/NDF: 6727666.1/45



Right In: -0.139+/-0.131 χ^2/NDF: 14.8/18

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

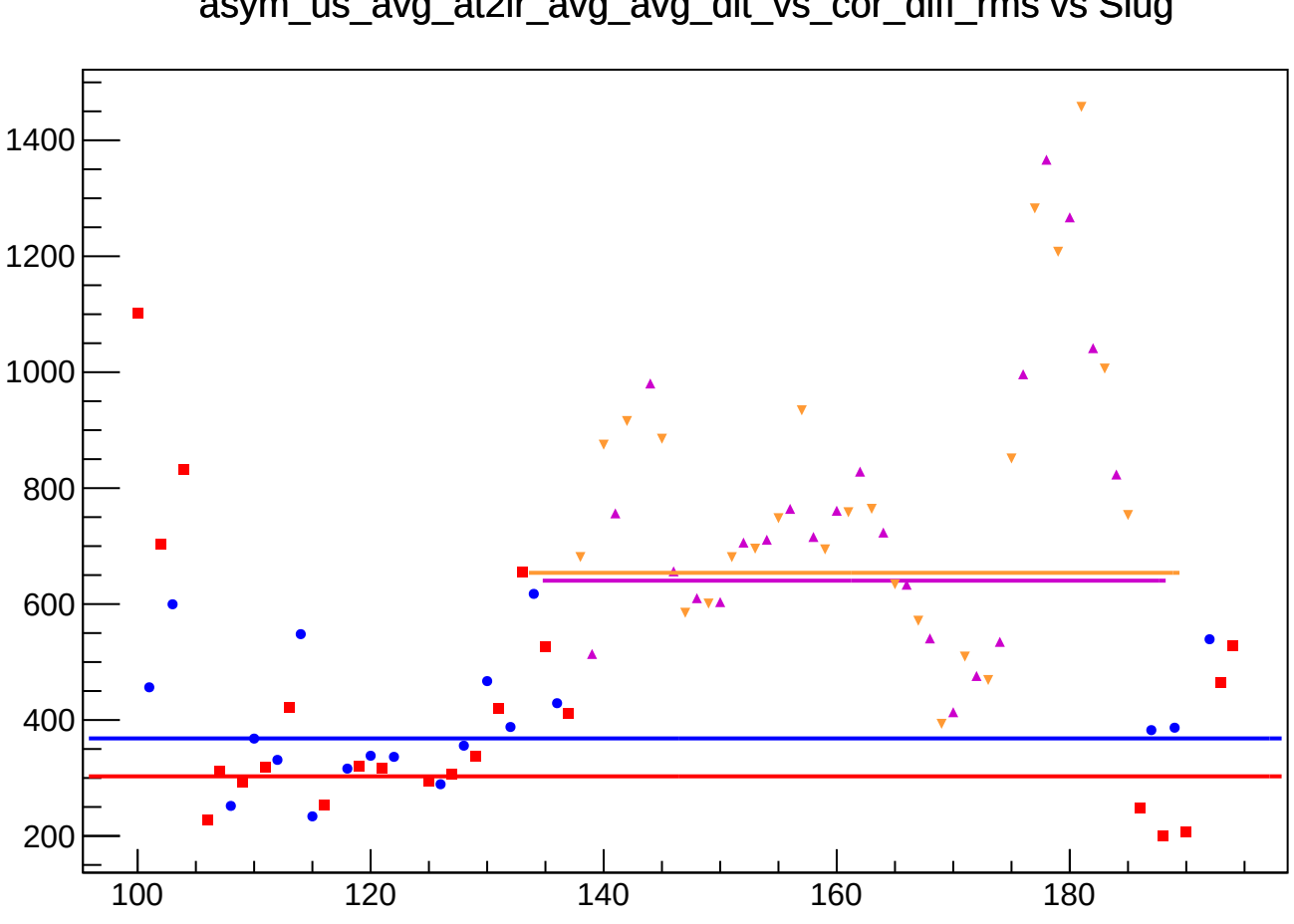
Right Out: 0.005+/-0.103 χ^2/NDF: 36.7/22

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.105+/-0.102 χ^2/NDF: 45.1/42

All: -0.018+/-0.066 χ^2/NDF: 113.5/88

- sign 0.045+/-0.087 χ^2/NDF: 67.2/45


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug
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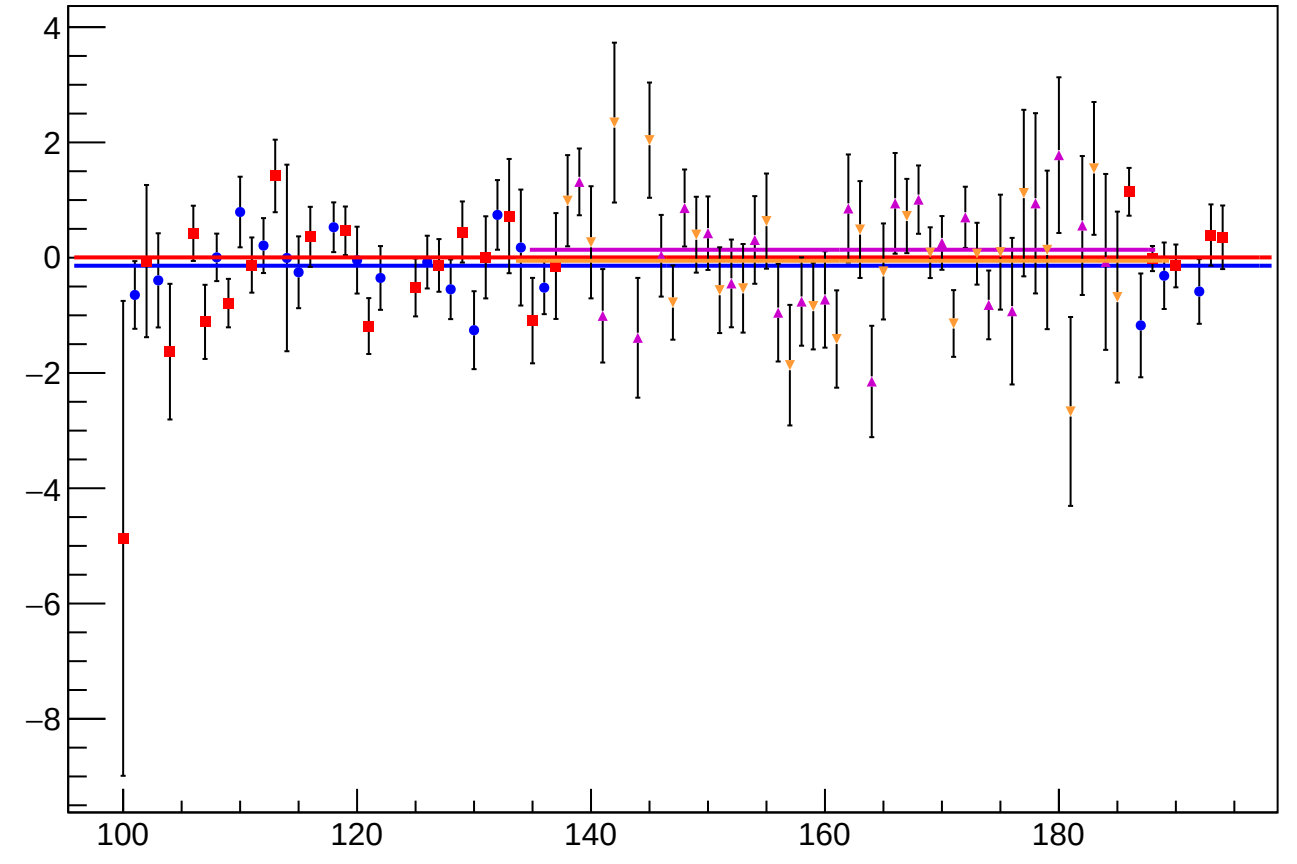
Right In: 368.262+/-0.092 χ²/NDF: 988528.0/18
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 302.842+/-0.073 χ²/NDF: 2469645.4/22
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 481.496+/-0.072 χ²/NDF: 7898308.1/42
All: 436.725+/-0.047 χ²/NDF: 20083702.9/88
- sign 404.238+/-0.061 χ²/NDF: 11514831.0/45



Right In: -0.139+/-0.131 χ^2/NDF: 14.8/18

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

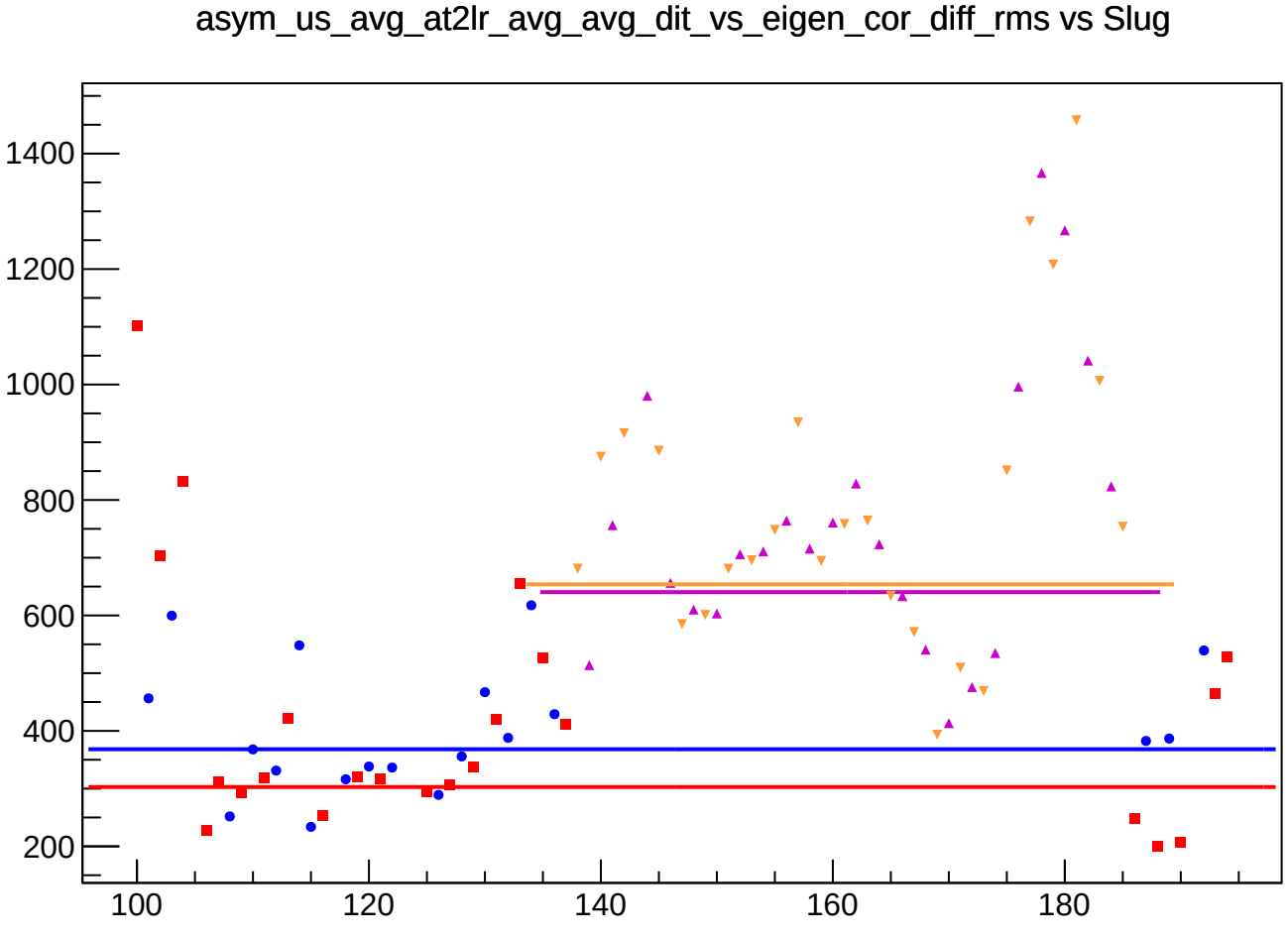
Right Out: 0.005+/-0.103 χ^2/NDF: 36.7/22

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.105+/-0.102 χ^2/NDF: 45.1/42

All: -0.018+/-0.066 χ^2/NDF: 113.5/88

- sign 0.045+/-0.087 χ^2/NDF: 67.2/45


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
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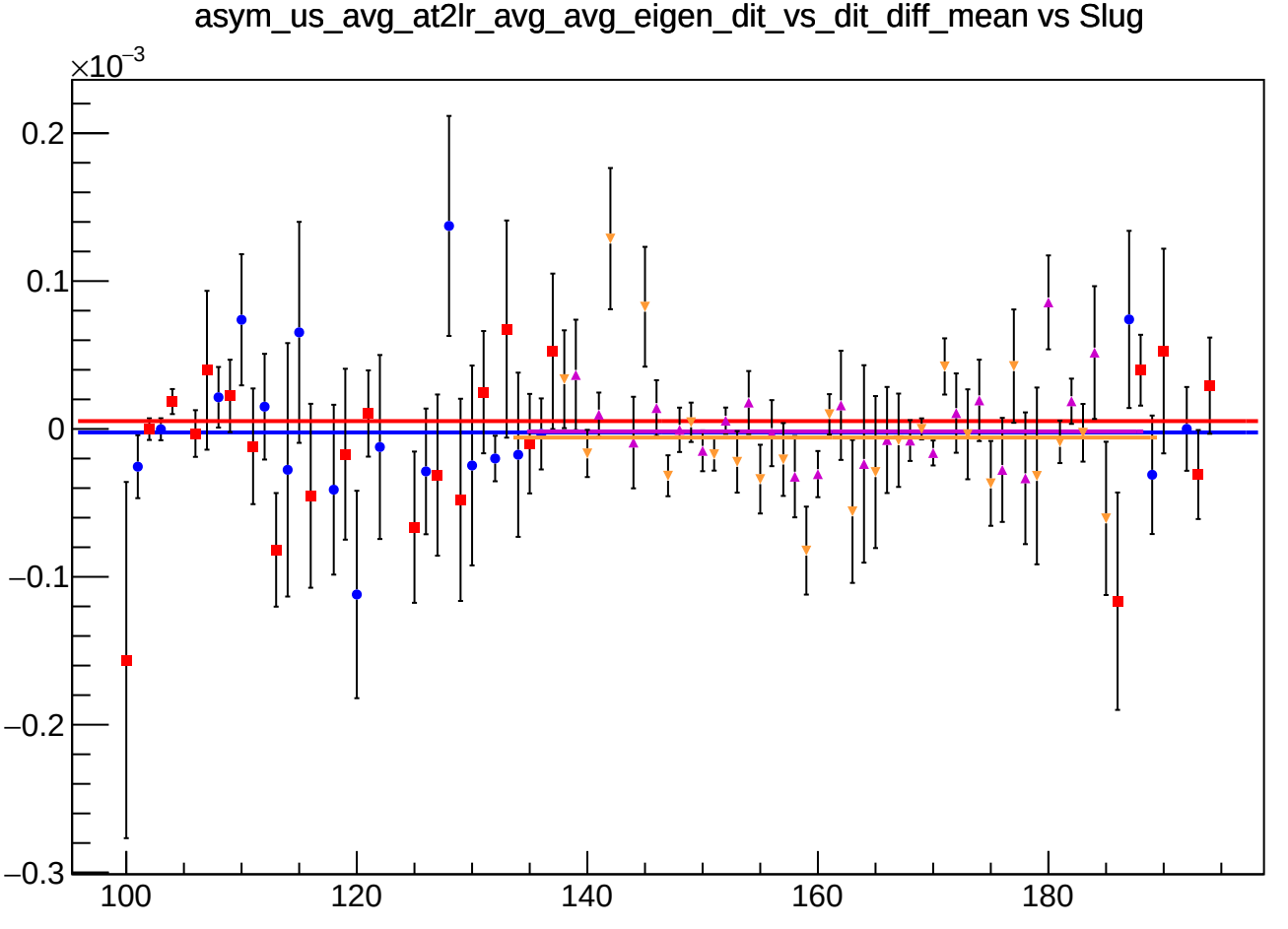
Right In: 368.262+/-0.092 χ²/NDF: 988528.0/18
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 302.842+/-0.073 χ²/NDF: 2469645.4/22
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 481.496+/-0.072 χ²/NDF: 7898308.1/42
All: 436.725+/-0.047 χ²/NDF: 20083702.9/88
- sign 404.238+/-0.061 χ²/NDF: 11514831.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

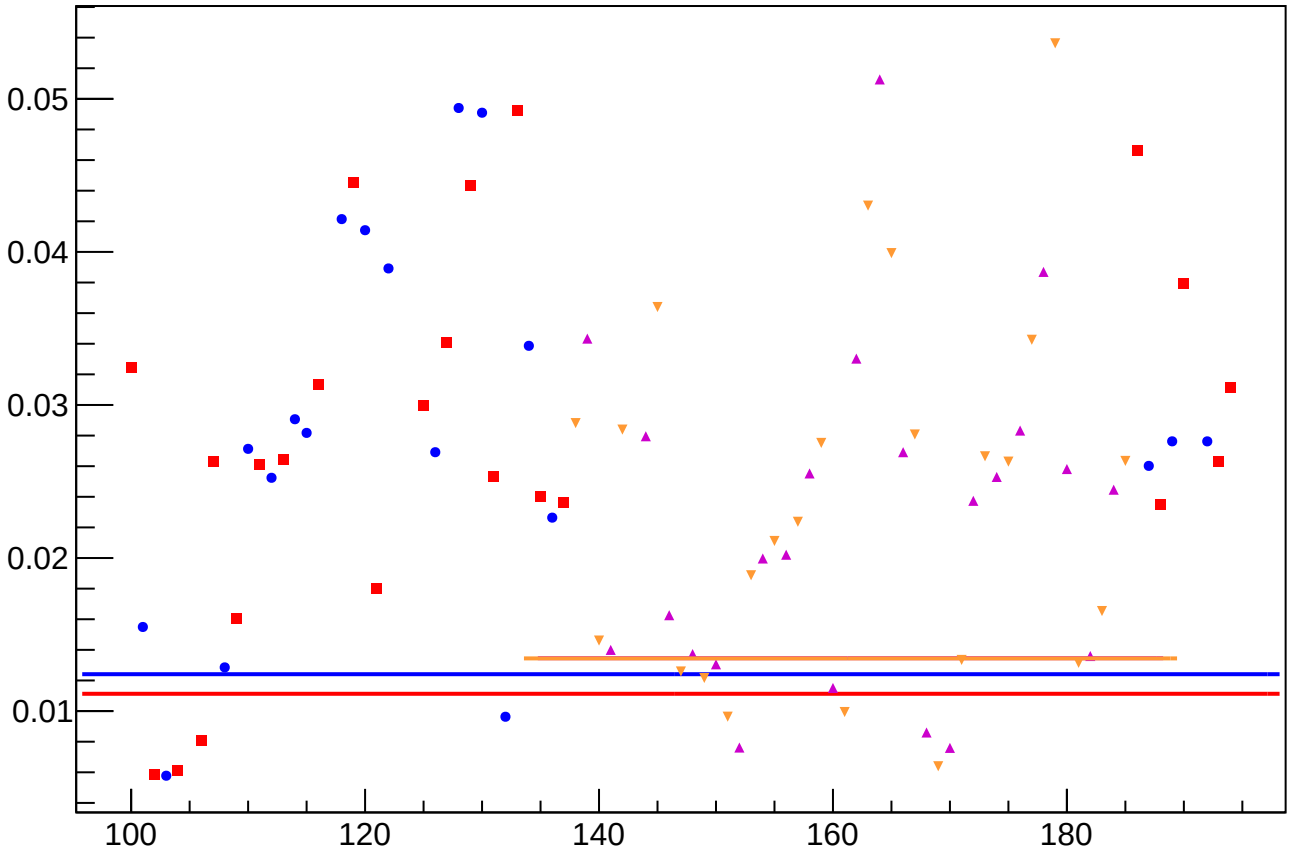
Right Out: 0.000+/-0.000 χ^2/NDF: 24.4/22

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.0/42

All: -0.000+/-0.000 χ^2/NDF: 113.4/88

- sign 0.000+/-0.000 χ^2/NDF: 51.4/45



Right In: 0.012+/-0.000 χ^2/NDF: 6533576.5/18

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

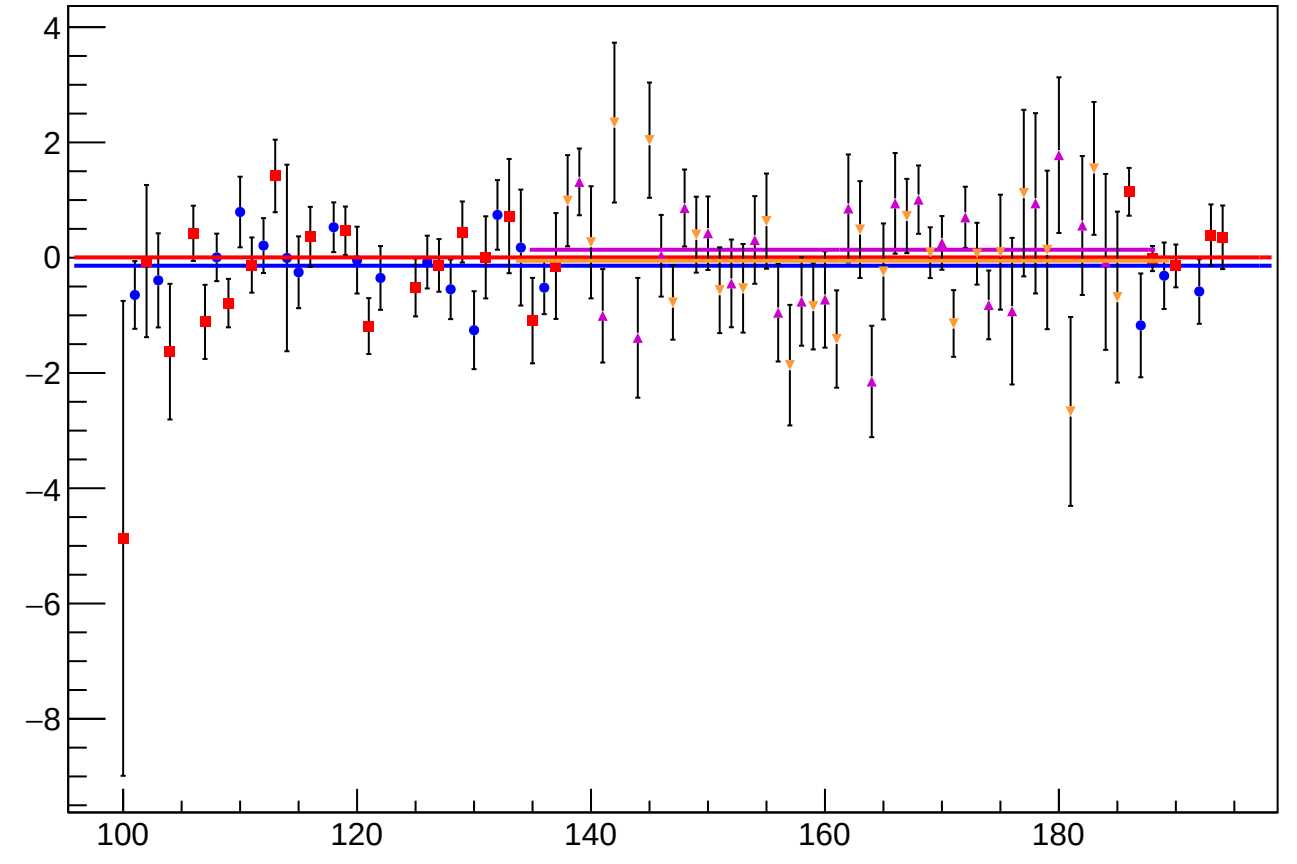
Right Out: 0.011+/-0.000 χ^2/NDF: 8570632.9/22

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.013+/-0.000 χ^2/NDF: 15439542.3/42

All: 0.013+/-0.000 χ^2/NDF: 31914205.2/88

- sign 0.013+/-0.000 χ^2/NDF: 16434167.5/45



Right In: -0.139+/-0.131 χ^2/NDF: 14.8/18

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

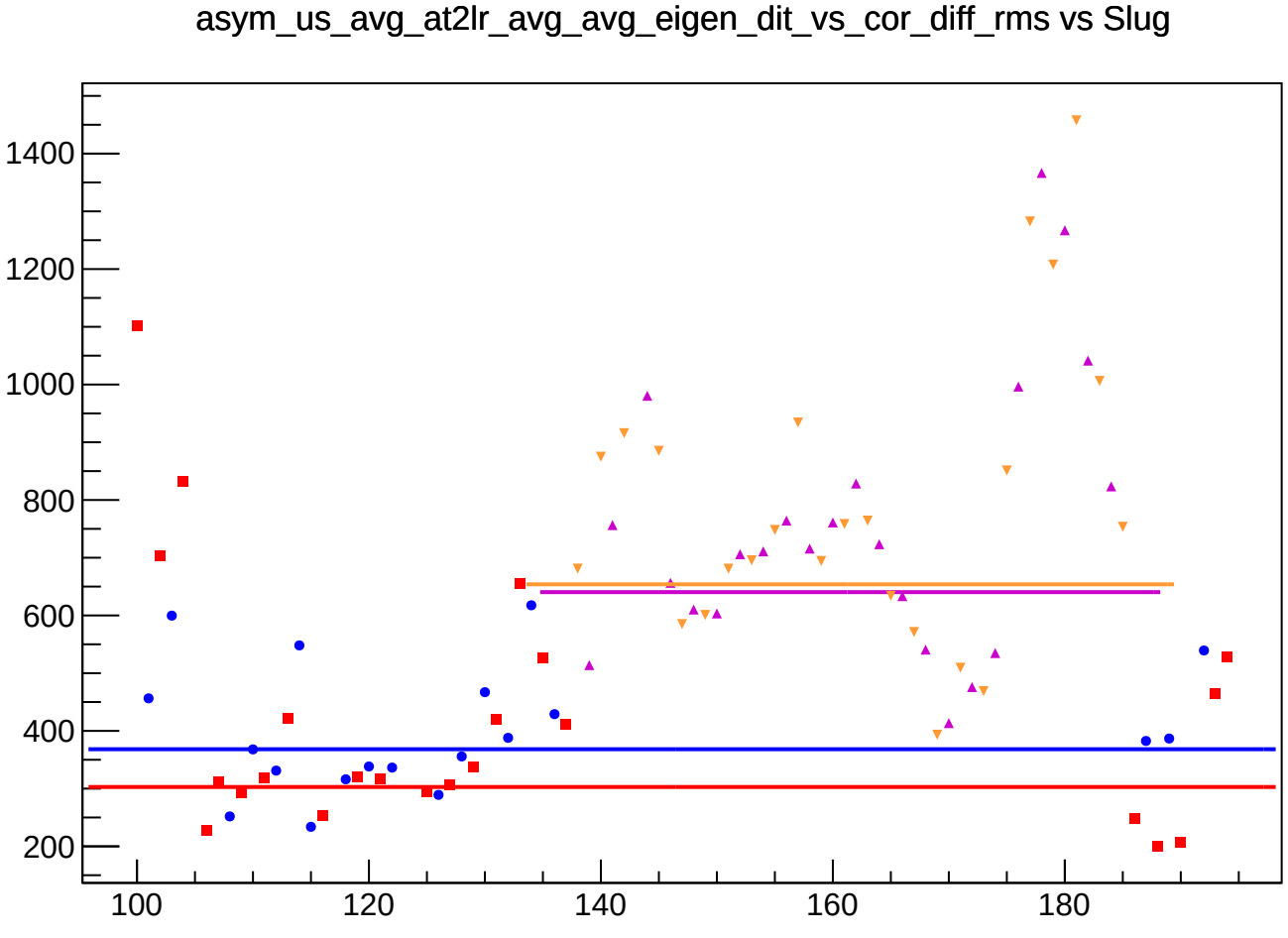
Right Out: 0.005+/-0.103 χ^2/NDF: 36.7/22

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.105+/-0.102 χ^2/NDF: 45.1/42

All: -0.018+/-0.066 χ^2/NDF: 113.5/88

- sign 0.045+/-0.087 χ^2/NDF: 67.2/45


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
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100
120
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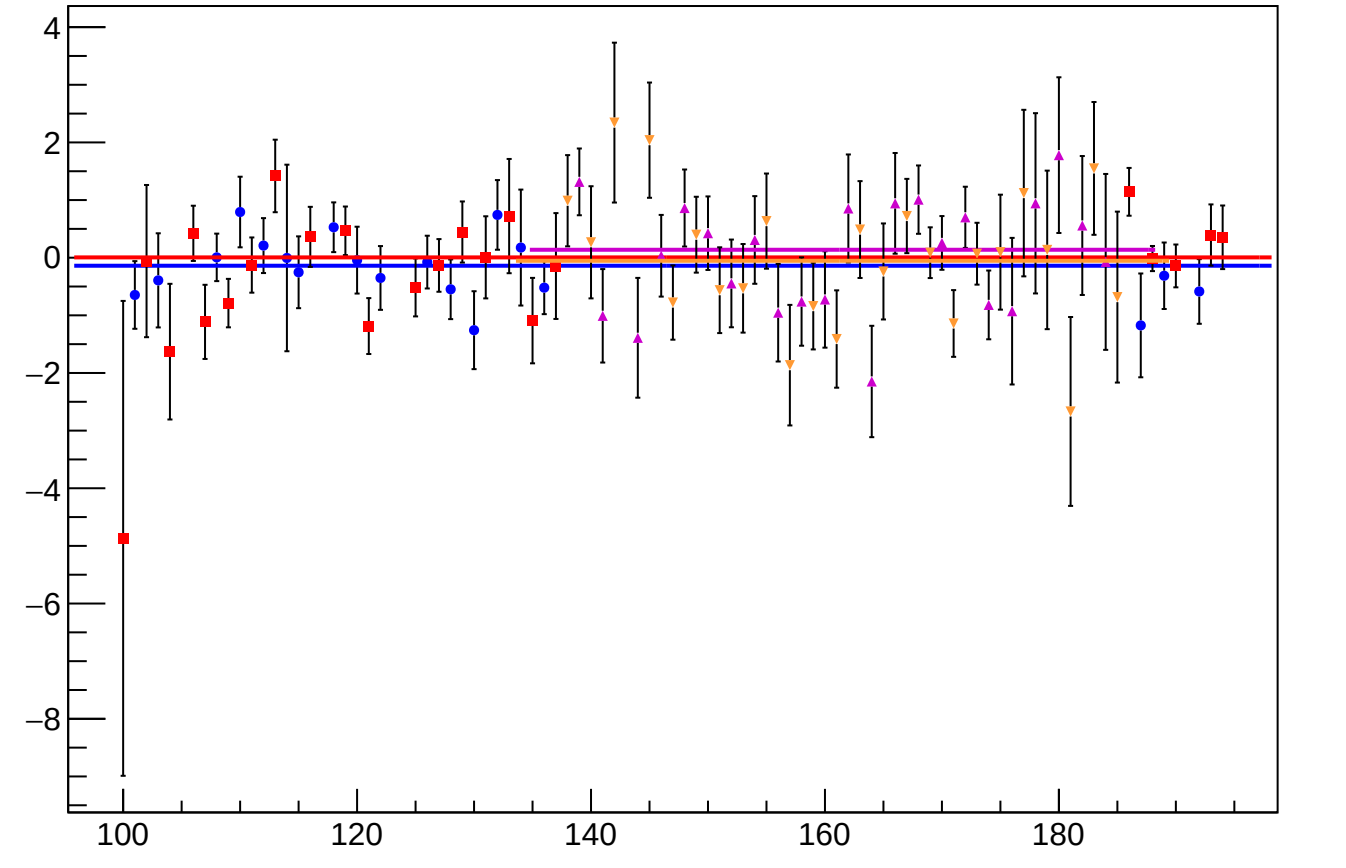
160
180
Right In: 368.261+/-0.092 χ²/NDF: 988492.1/18
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 302.836+/-0.073 χ²/NDF: 2469765.7/22
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 481.495+/-0.072 χ²/NDF: 7898516.7/42
All: 436.721+/-0.047 χ²/NDF: 20084630.2/88
- sign 404.231+/-0.061 χ²/NDF: 11515449.4/45



Right In: -0.139+/-0.131 χ^2/NDF: 14.8/18

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

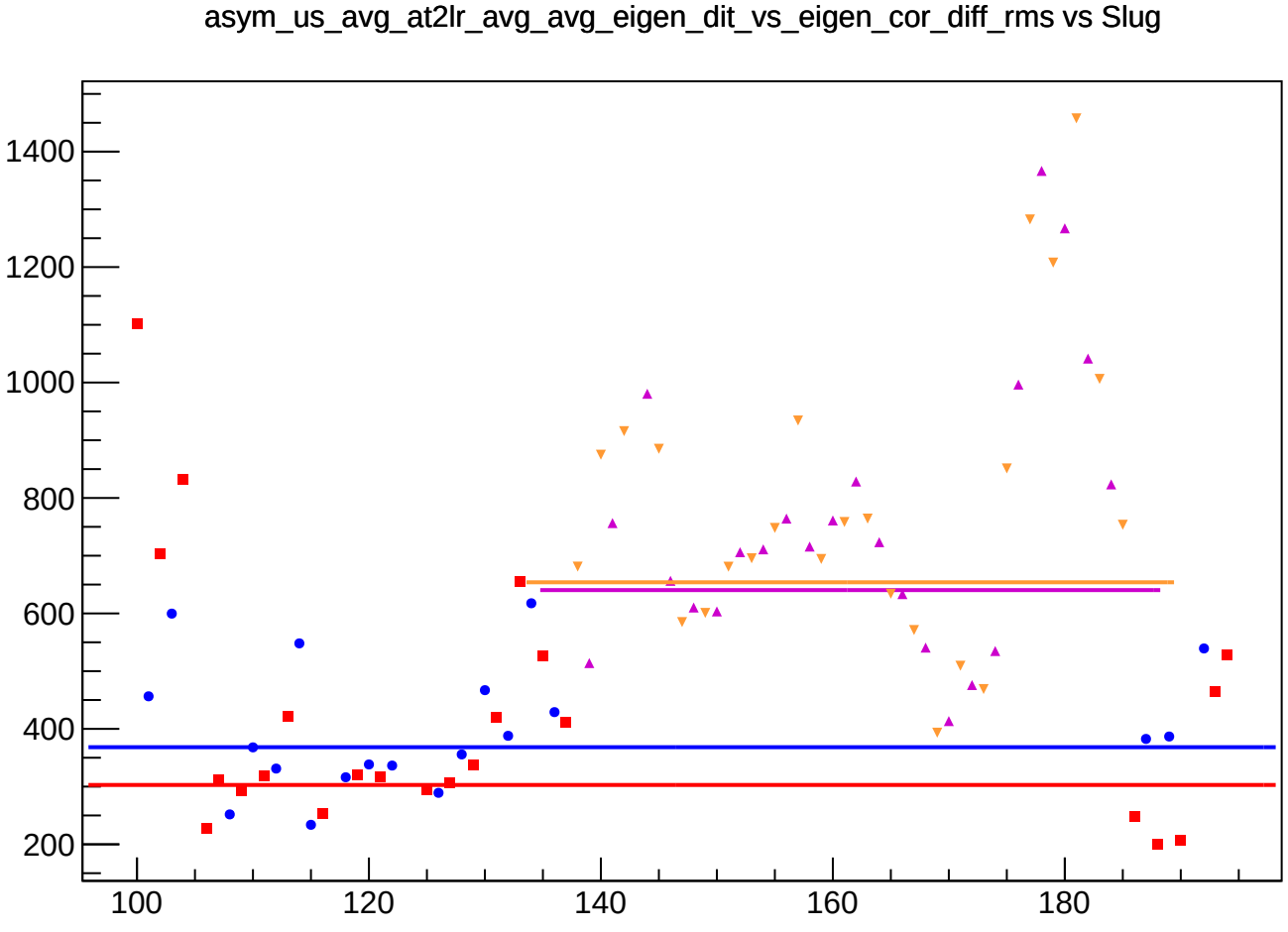
Right Out: 0.005+/-0.103 χ^2/NDF: 36.7/22

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.105+/-0.102 χ^2/NDF: 45.1/42

All: -0.018+/-0.066 χ^2/NDF: 113.5/88

- sign 0.045+/-0.087 χ^2/NDF: 67.2/45


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
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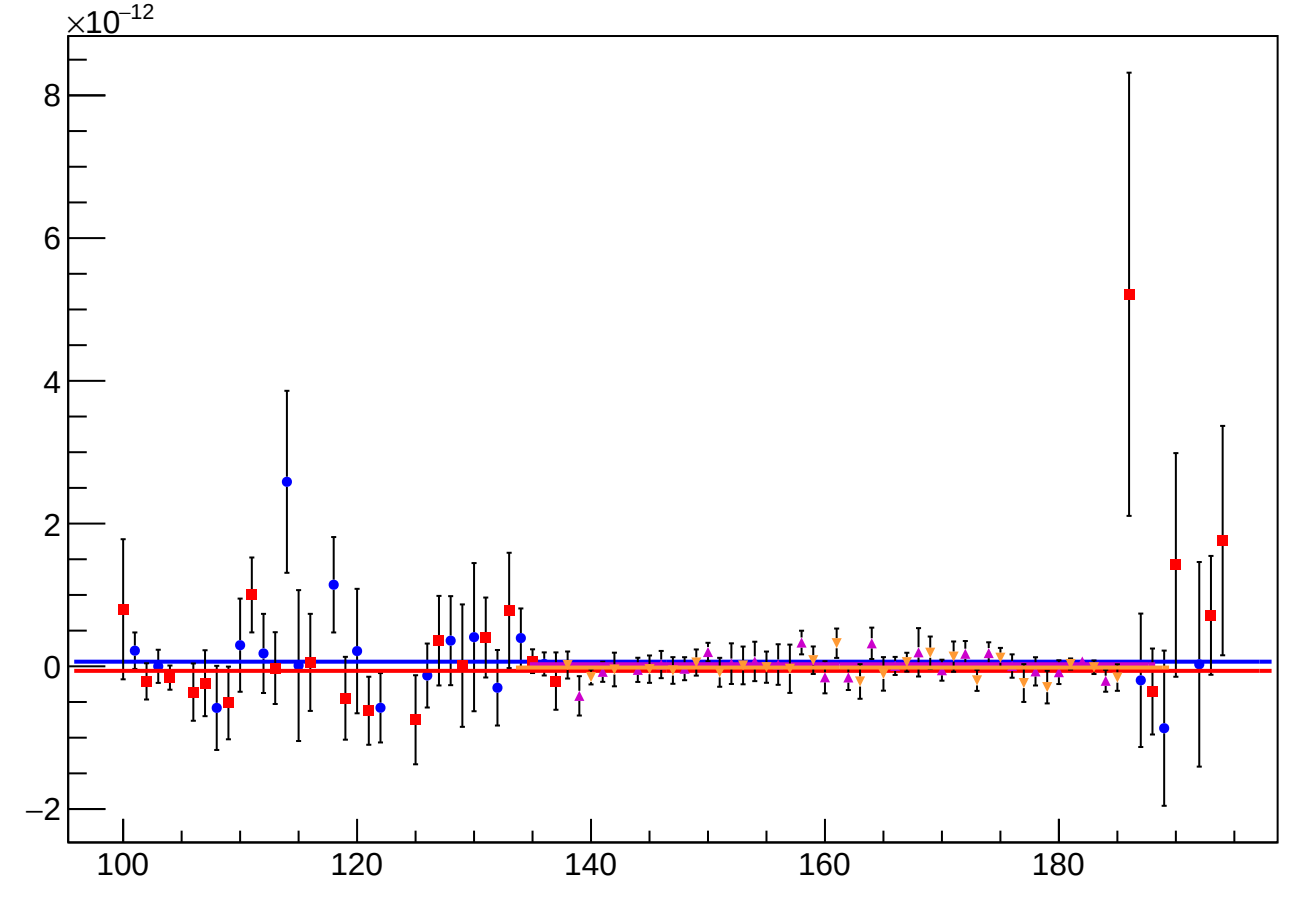
Right In: 368.261+/-0.092 χ²/NDF: 988492.1/18
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 302.836+/-0.073 χ²/NDF: 2469765.7/22
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 481.495+/-0.072 χ²/NDF: 7898516.7/42
All: 436.721+/-0.047 χ²/NDF: 20084630.2/88
- sign 404.231+/-0.061 χ²/NDF: 11515449.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

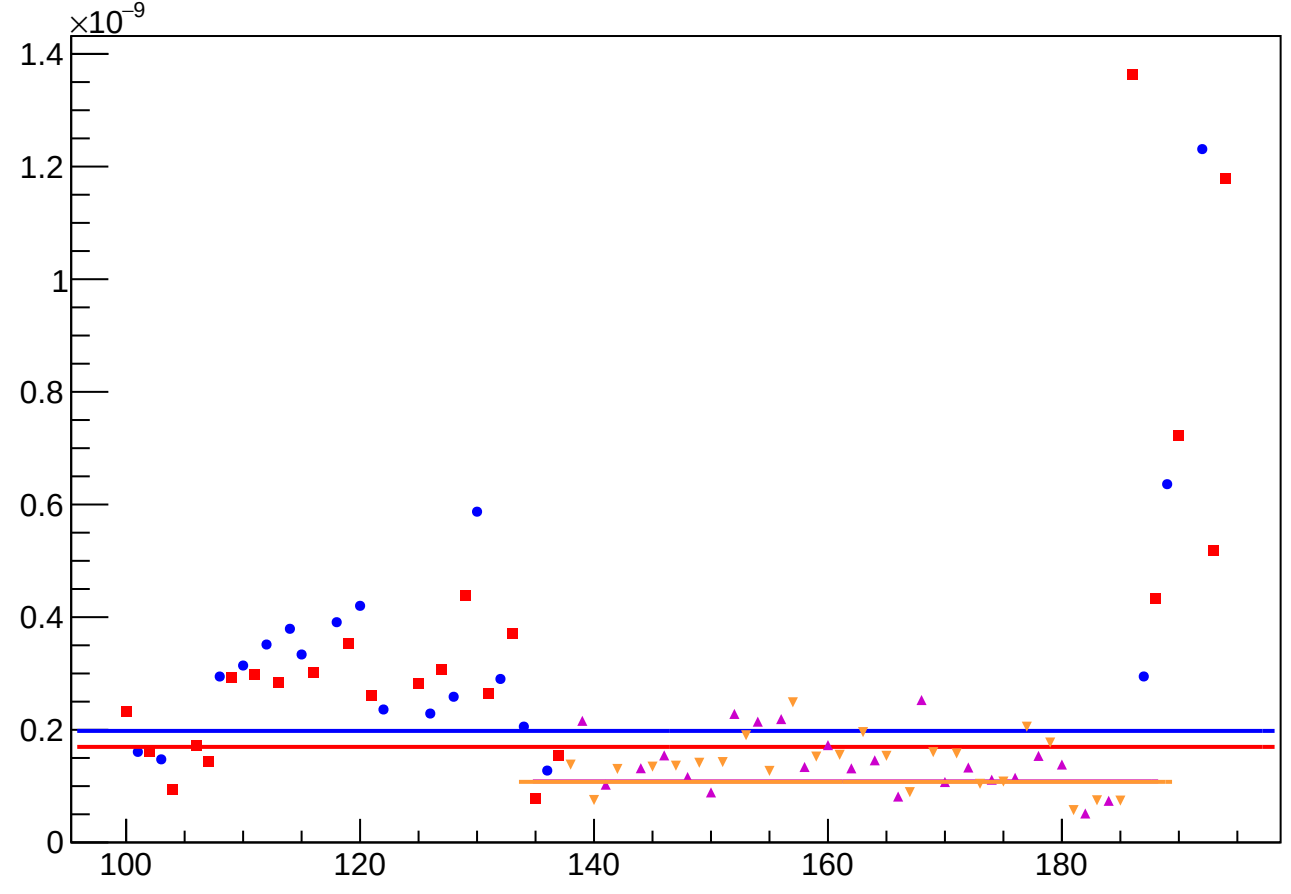
Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/22

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: 64.9/88

- sign 0.000+/-0.000 χ^2/NDF: 38.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 2922968.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4323966.4/22

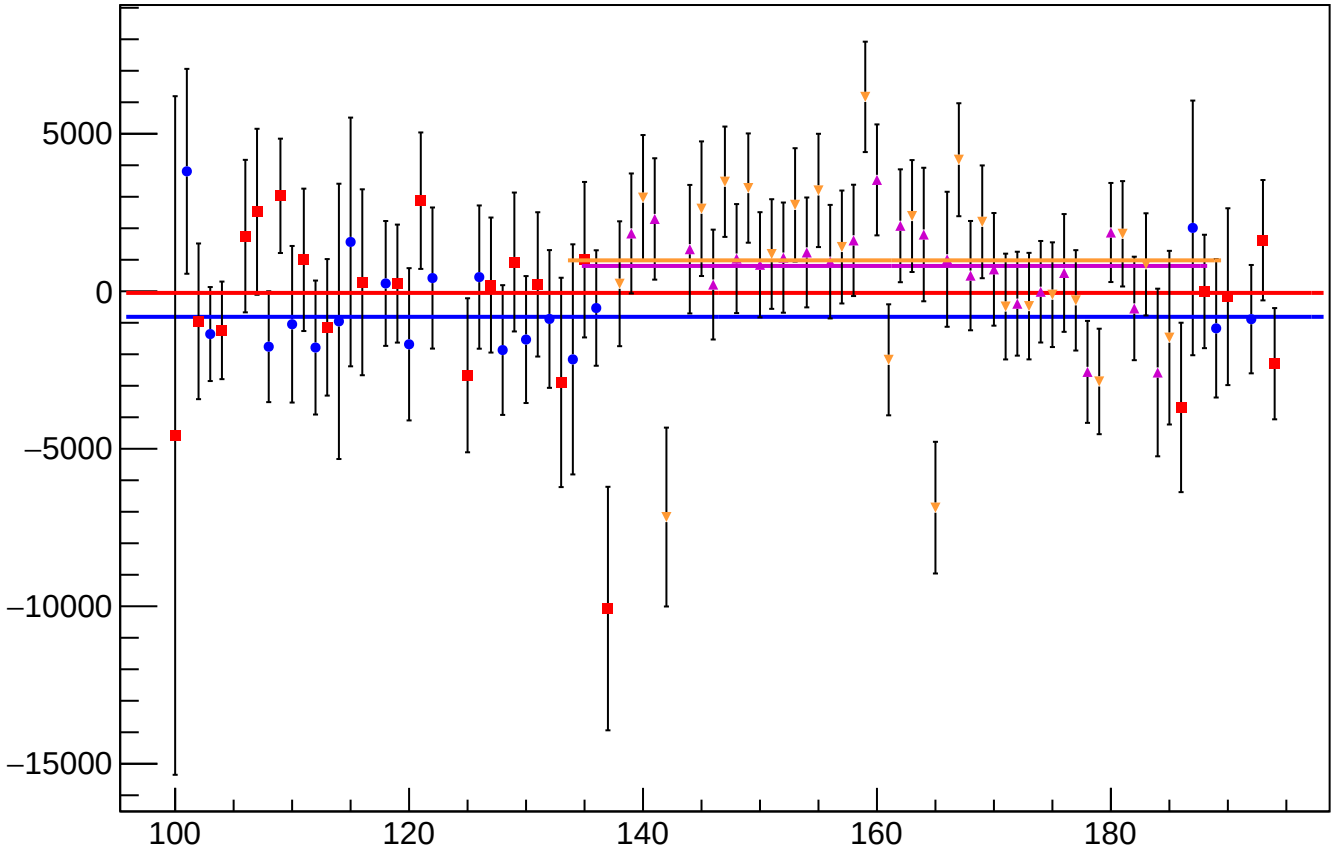
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7983157.5/42

All: 0.000+/-0.000 χ^2/NDF: 17097351.0/88

- sign 0.000+/-0.000 χ^2/NDF: 9113802.8/45

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: -51.693+/-471.373 χ^2/NDF: 20.8/22

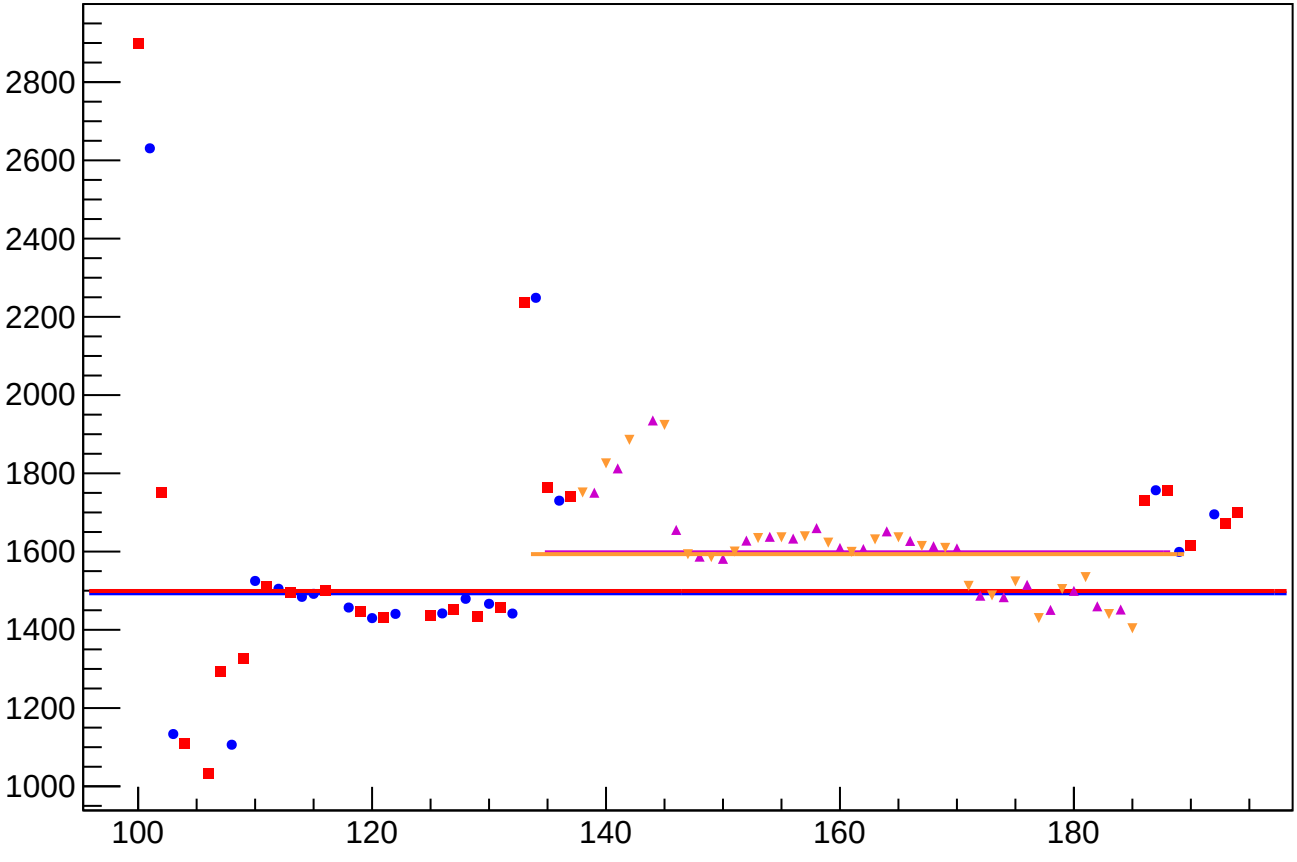
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

+ sign 360.458+/-299.795 χ^2/NDF: 68.8/42

All: 418.168+/-209.548 χ^2/NDF: 104.1/88

- sign 473.297+/-293.013 χ^2/NDF: 35.3/45

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

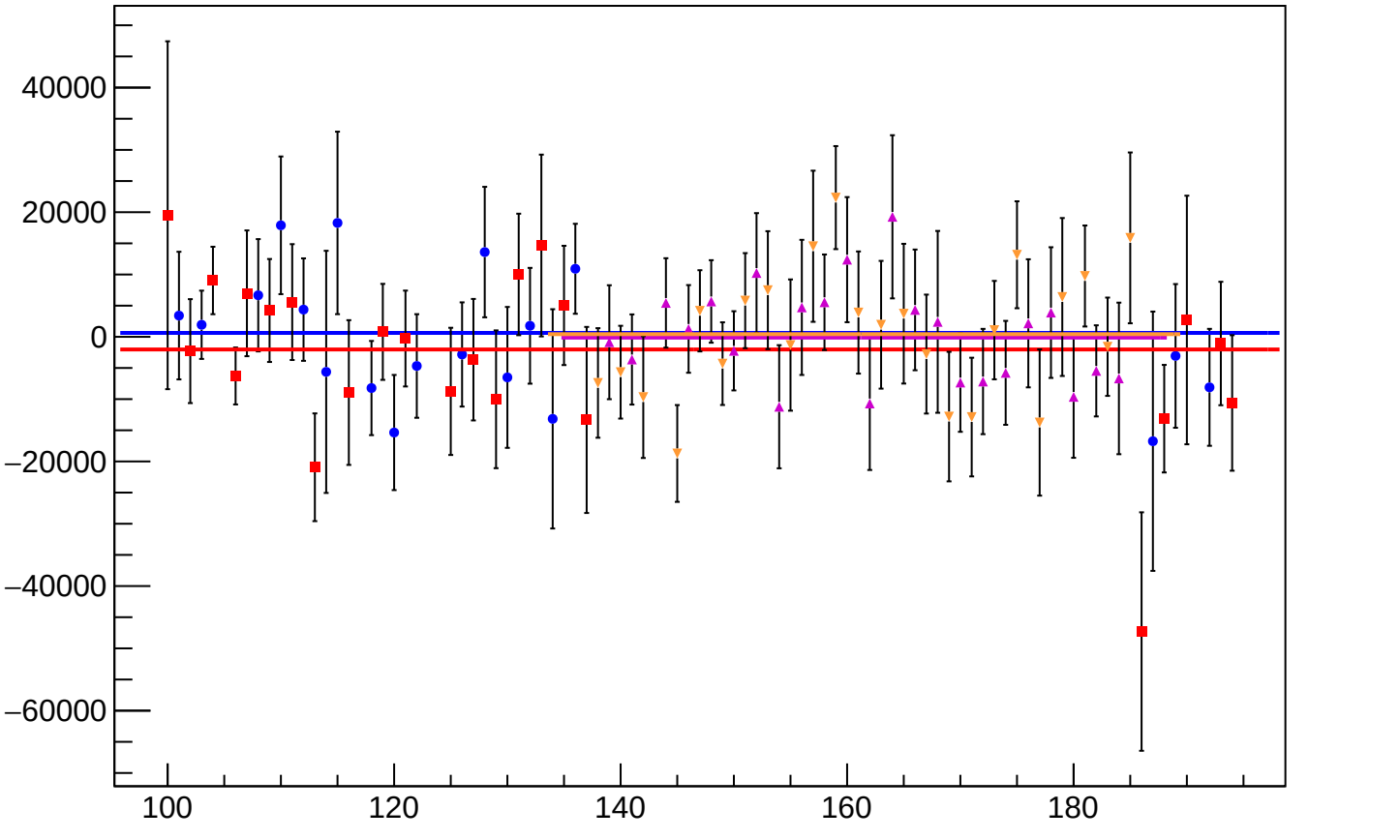
Right Out: 1499.253+/-0.331 χ^2/NDF: 545933.0/22

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1558.794+/-0.212 χ^2/NDF: 861474.4/42

All: 1559.237+/-0.148 χ^2/NDF: 1630922.6/88

- sign 1559.658+/-0.207 χ^2/NDF: 769439.7/45



Right In: 627.933+/-2153.708 χ^2/NDF: 16.0/18

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: -2029.951+/-1874.982 χ^2/NDF: 25.9/22

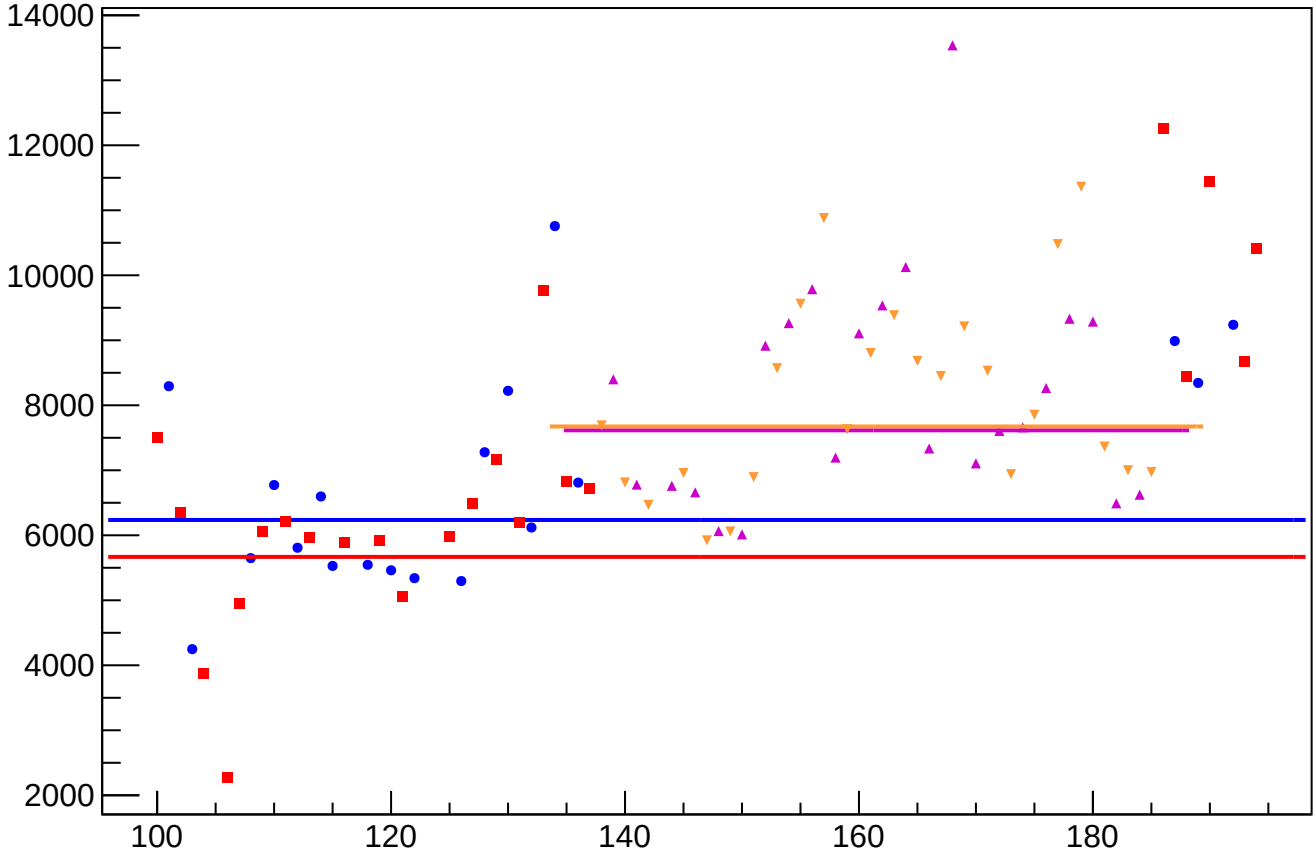
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 510.530+/-1390.062 χ^2/NDF: 45.4/42

All: -317.997+/-951.048 χ^2/NDF: 86.3/88

- sign -1047.136+/-1304.026 χ^2/NDF: 40.3/45

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: 5667.740+/-1.326 χ^2/NDF: 2815349.9/22

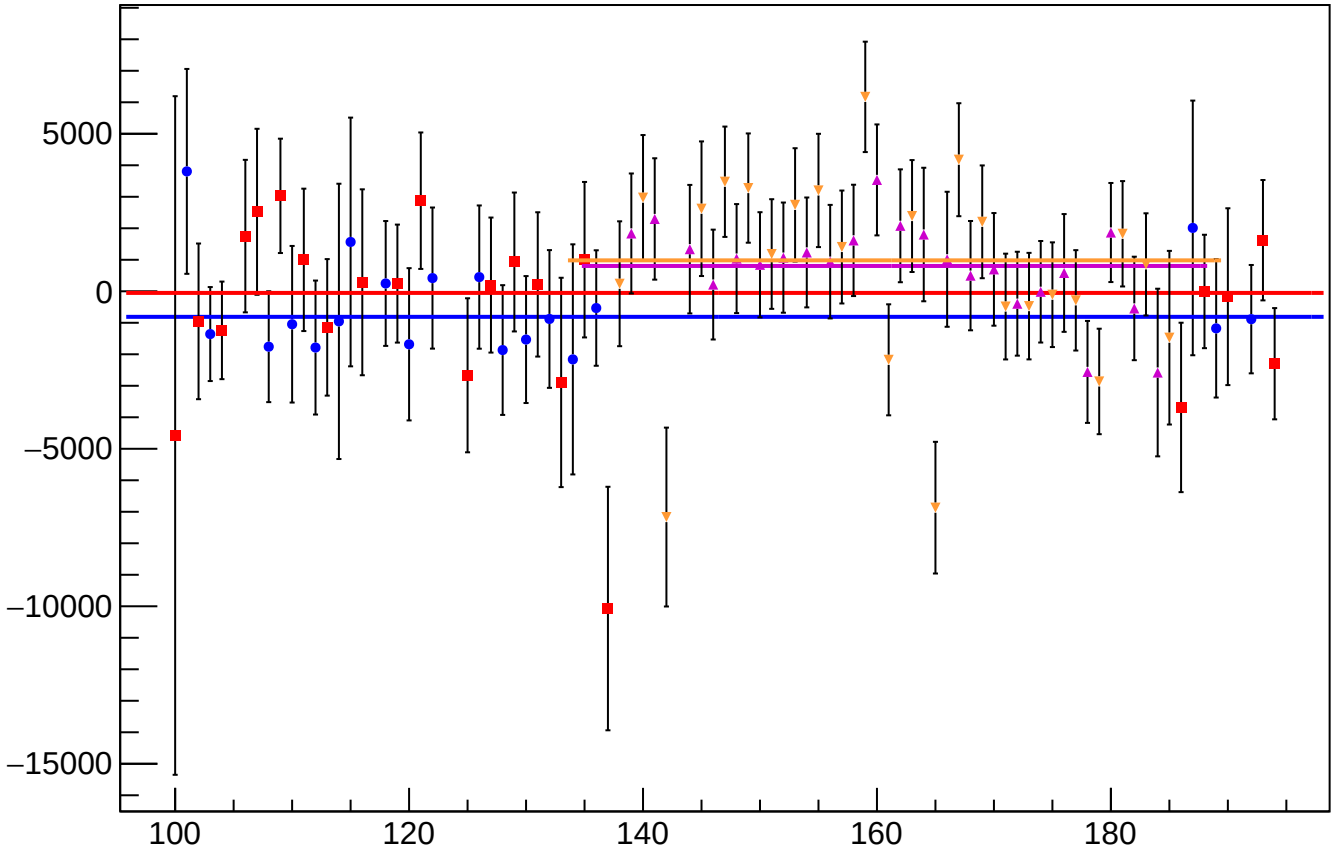
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7074.886+/-0.983 χ^2/NDF: 2577489.9/42

All: 6861.171+/-0.672 χ^2/NDF: 7819949.8/88

- sign 6673.092+/-0.922 χ^2/NDF: 5153580.8/45

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: -51.802+/-471.373 χ^2/NDF: 20.8/22

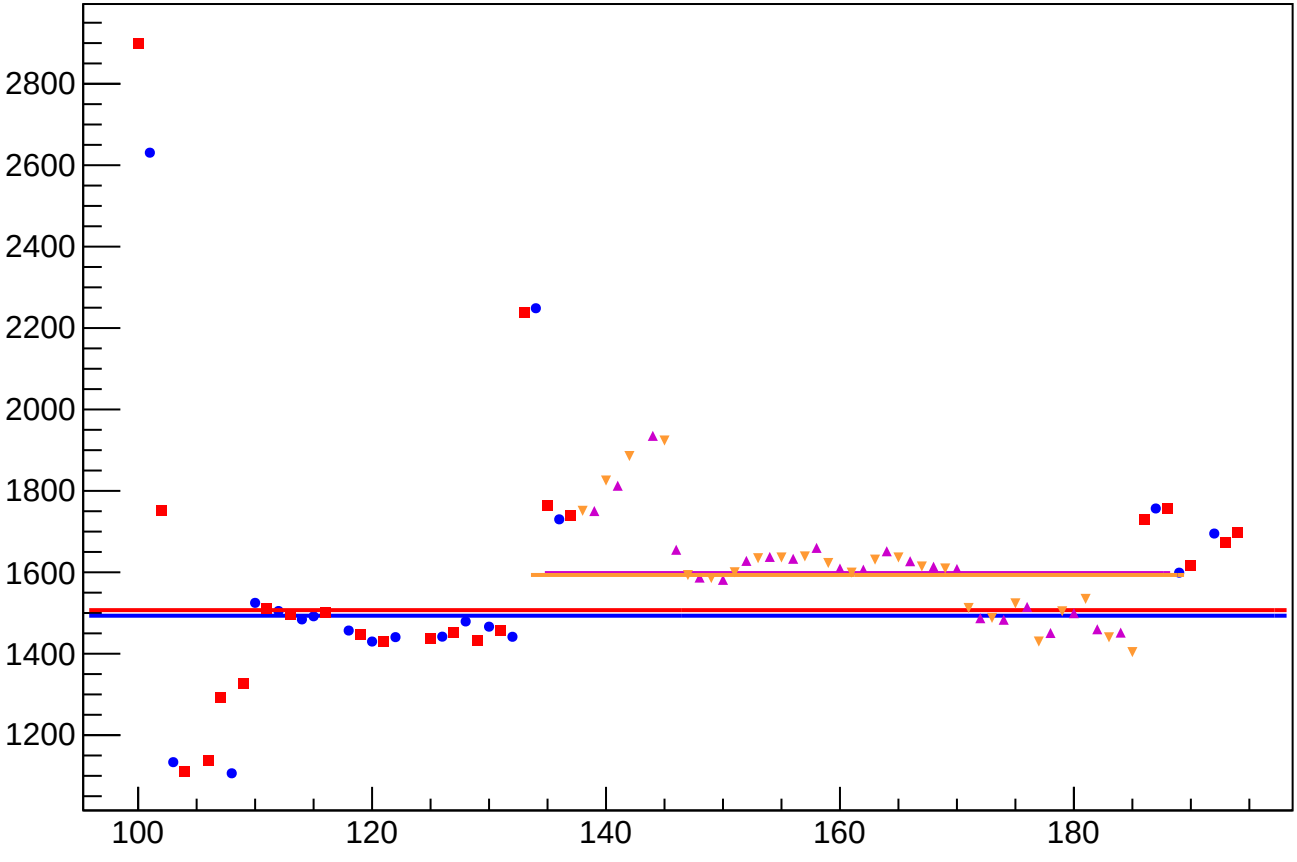
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 360.488+/-299.795 χ^2/NDF: 68.8/42

All: 418.122+/-209.548 χ^2/NDF: 104.2/88

\- sign 473.178+/-293.014 χ^2/NDF: 35.3/45

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

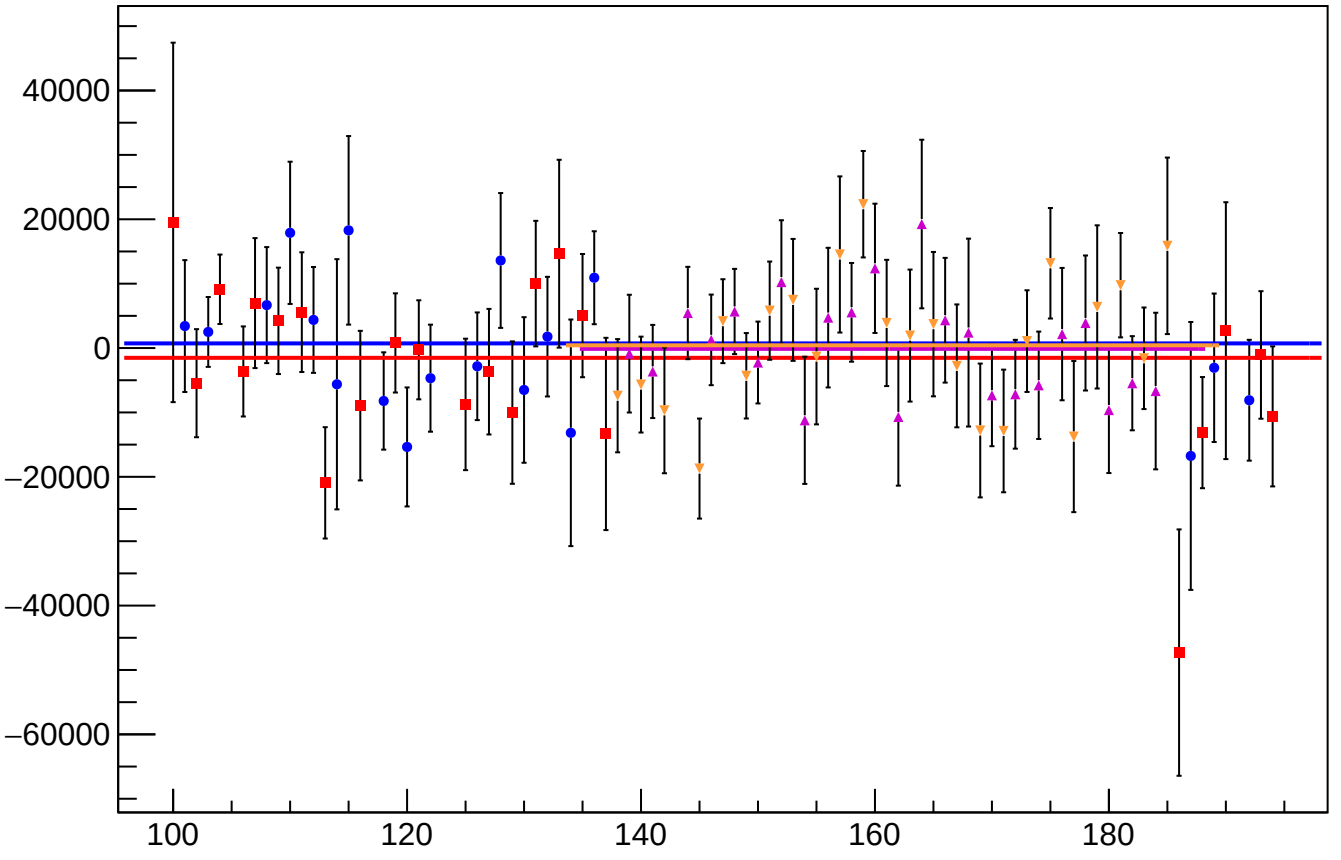
Right Out: 1507.071+/-0.333 χ^2/NDF: 498537.5/22

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1558.794+/-0.212 χ^2/NDF: 861474.8/42

All: 1560.877+/-0.148 χ^2/NDF: 1575237.9/88

- sign 1562.864+/-0.207 χ^2/NDF: 713574.5/45



Right In: 721.804+/-2150.481 χ^2/NDF: 16.1/18

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: -1518.888+/-1972.183 χ^2/NDF: 25.3/22

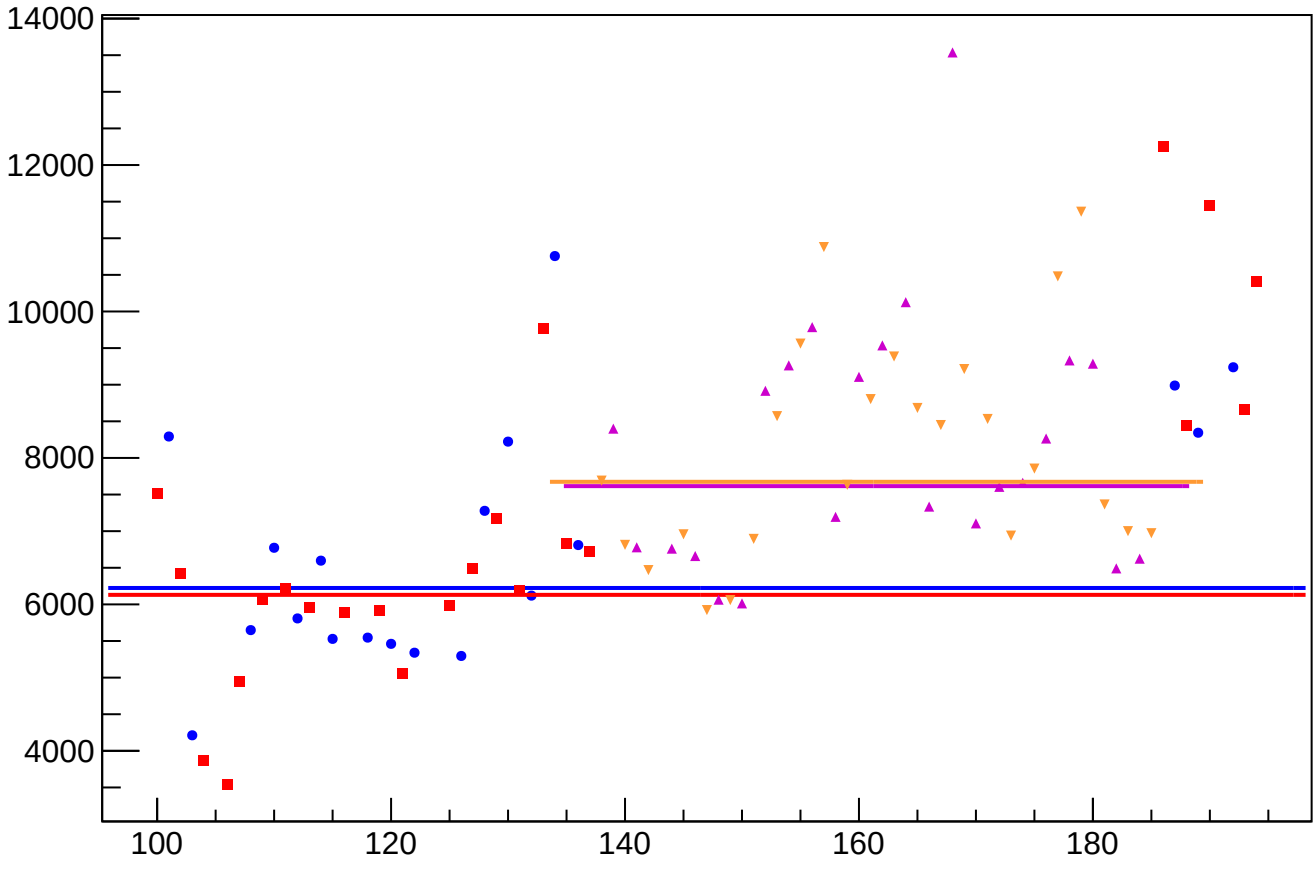
Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 549.850+/-1389.194 χ^2/NDF: 45.4/42

All: -133.435+/-962.744 χ^2/NDF: 85.3/88

- sign -764.871+/-1335.447 χ^2/NDF: 39.4/45

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug



Right In: 6224.155+/-1.521 χ^2/NDF: 995091.6/18

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

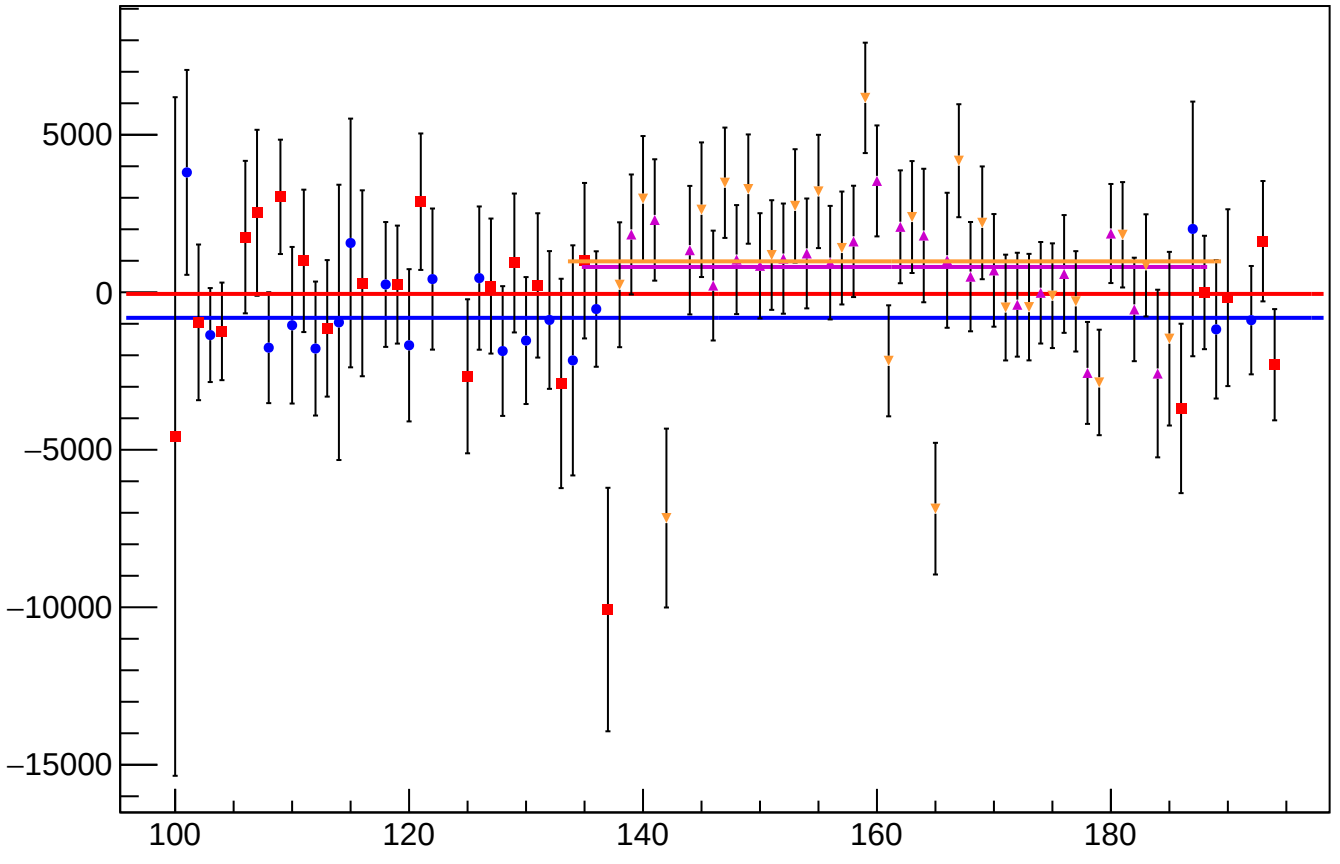
Right Out: 6130.180+/-1.395 χ^2/NDF: 1793631.6/22

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7069.008+/-0.982 χ^2/NDF: 2601565.2/42

All: 6998.925+/-0.681 χ^2/NDF: 6243340.6/88

- sign 6934.161+/-0.944 χ^2/NDF: 3631981.5/45



Right In: -811.323+/-509.325 χ^2/NDF: 5.1/18

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

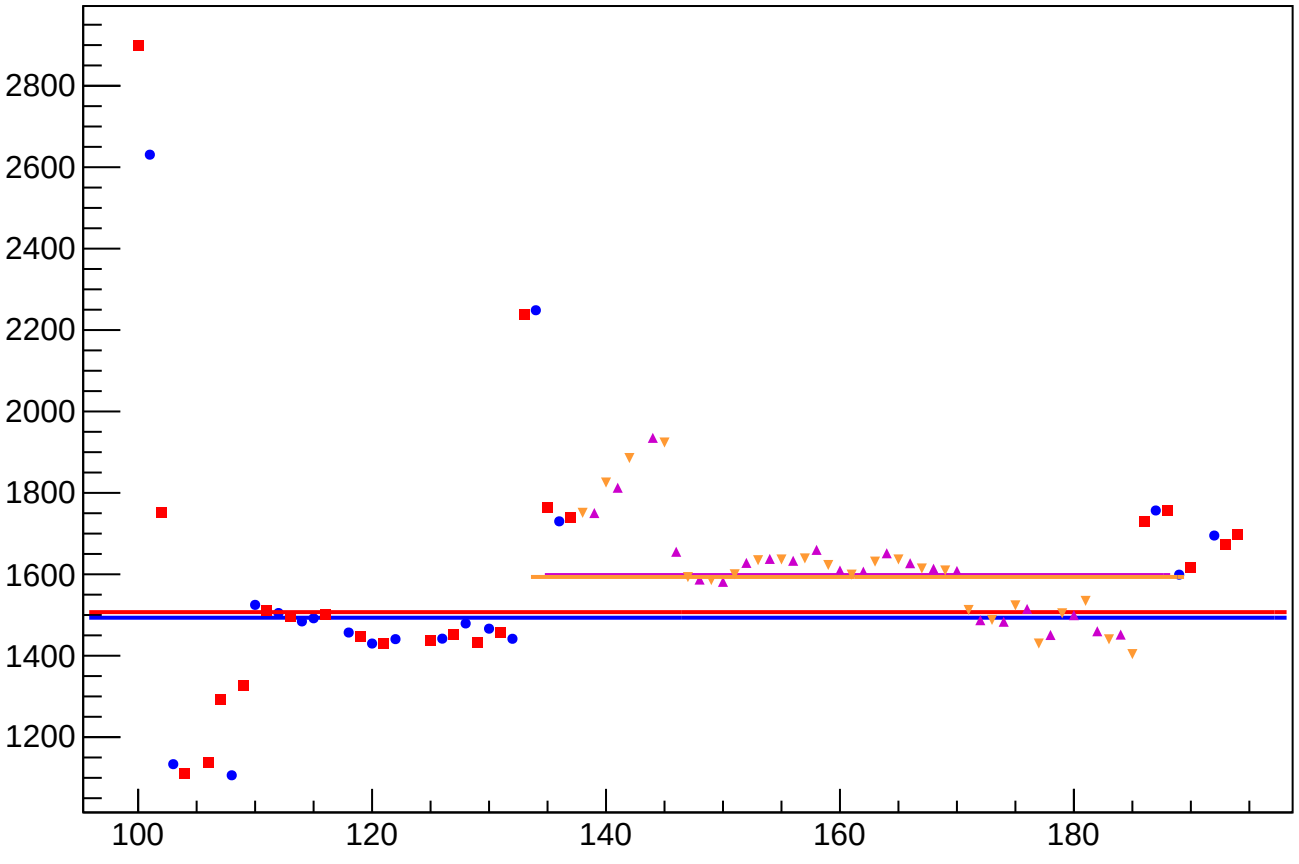
Right Out: -51.802+/-471.373 χ^2/NDF: 20.8/22

Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 360.488+/-299.795 χ^2/NDF: 68.8/42

All: 418.122+/-209.548 χ^2/NDF: 104.2/88

- sign 473.178+/-293.014 χ^2/NDF: 35.3/45



Right In: 1493.363+/-0.360 χ^2/NDF: 623355.5/18

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

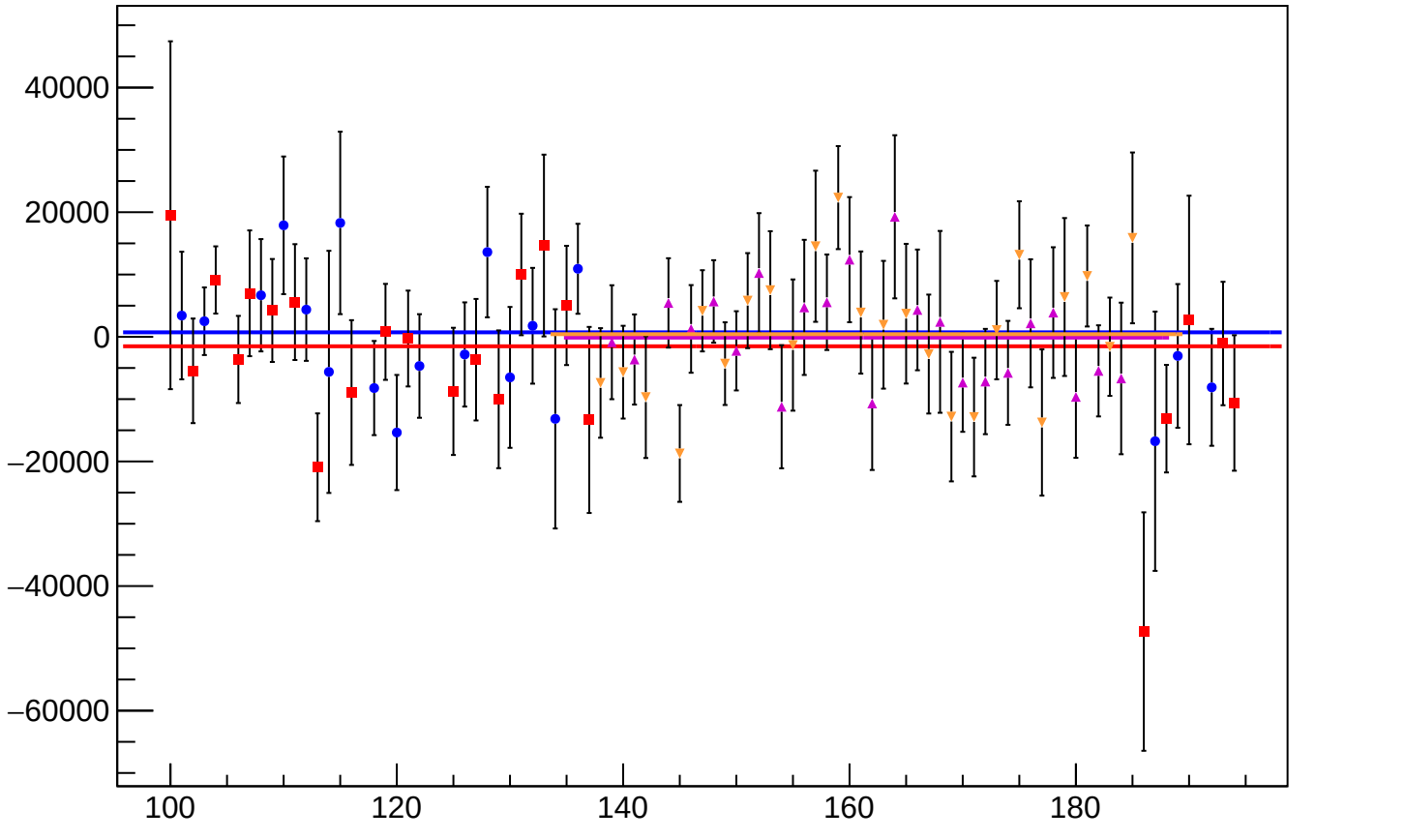
Right Out: 1507.071+/-0.333 χ^2/NDF: 498537.5/22

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1558.794+/-0.212 χ^2/NDF: 861474.8/42

All: 1560.877+/-0.148 χ^2/NDF: 1575237.9/88

- sign 1562.864+/-0.207 χ^2/NDF: 713574.5/45



Right In: 721.804+/-2150.481 χ^2/NDF: 16.1/18

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

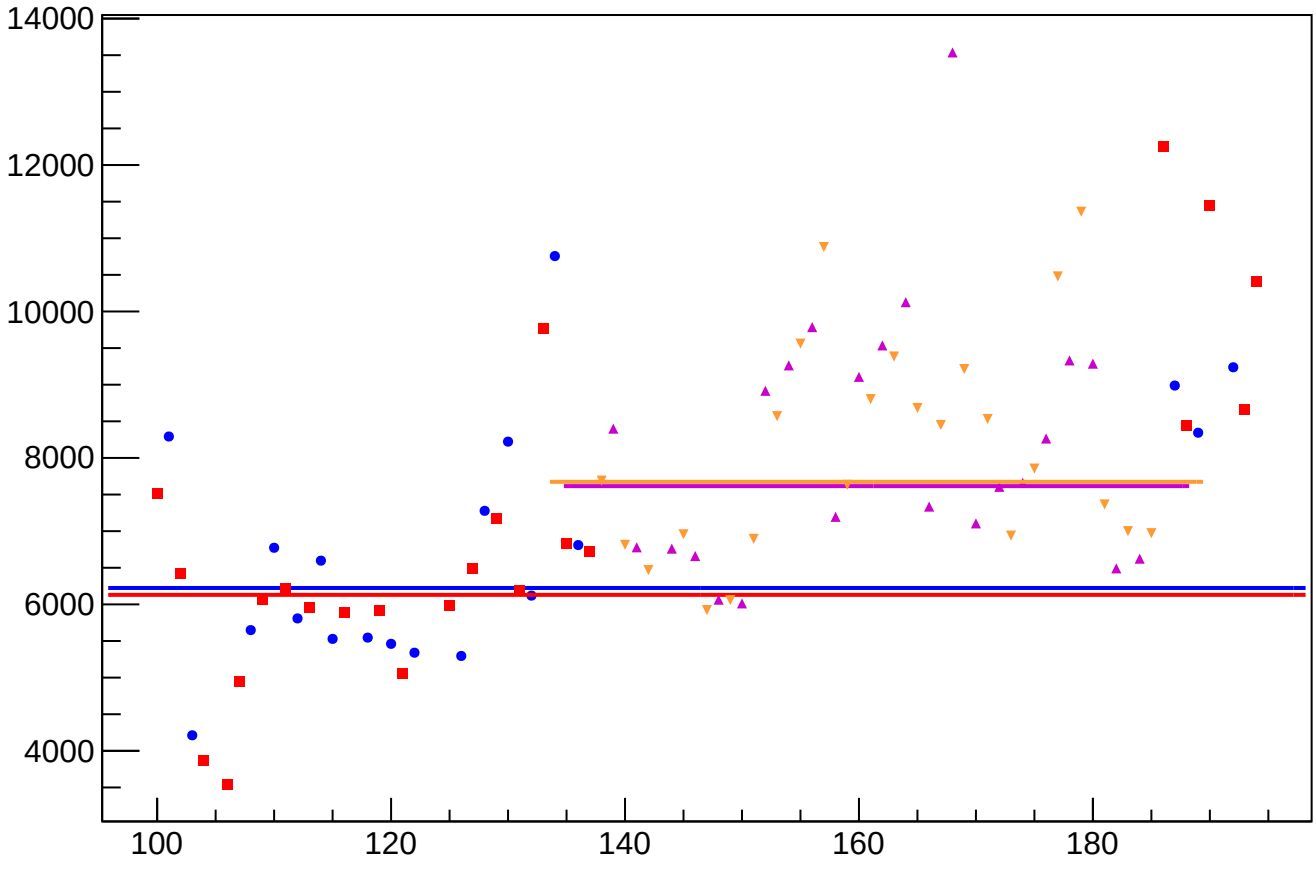
Right Out: -1518.888+/-1972.183 χ^2/NDF: 25.3/22

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 549.850+/-1389.194 χ^2/NDF: 45.4/42

All: -133.435+/-962.744 χ^2/NDF: 85.3/88

- sign -764.871+/-1335.447 χ^2/NDF: 39.4/45



Right In: 6224.155+/-1.521 χ^2/NDF: 995091.6/18

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

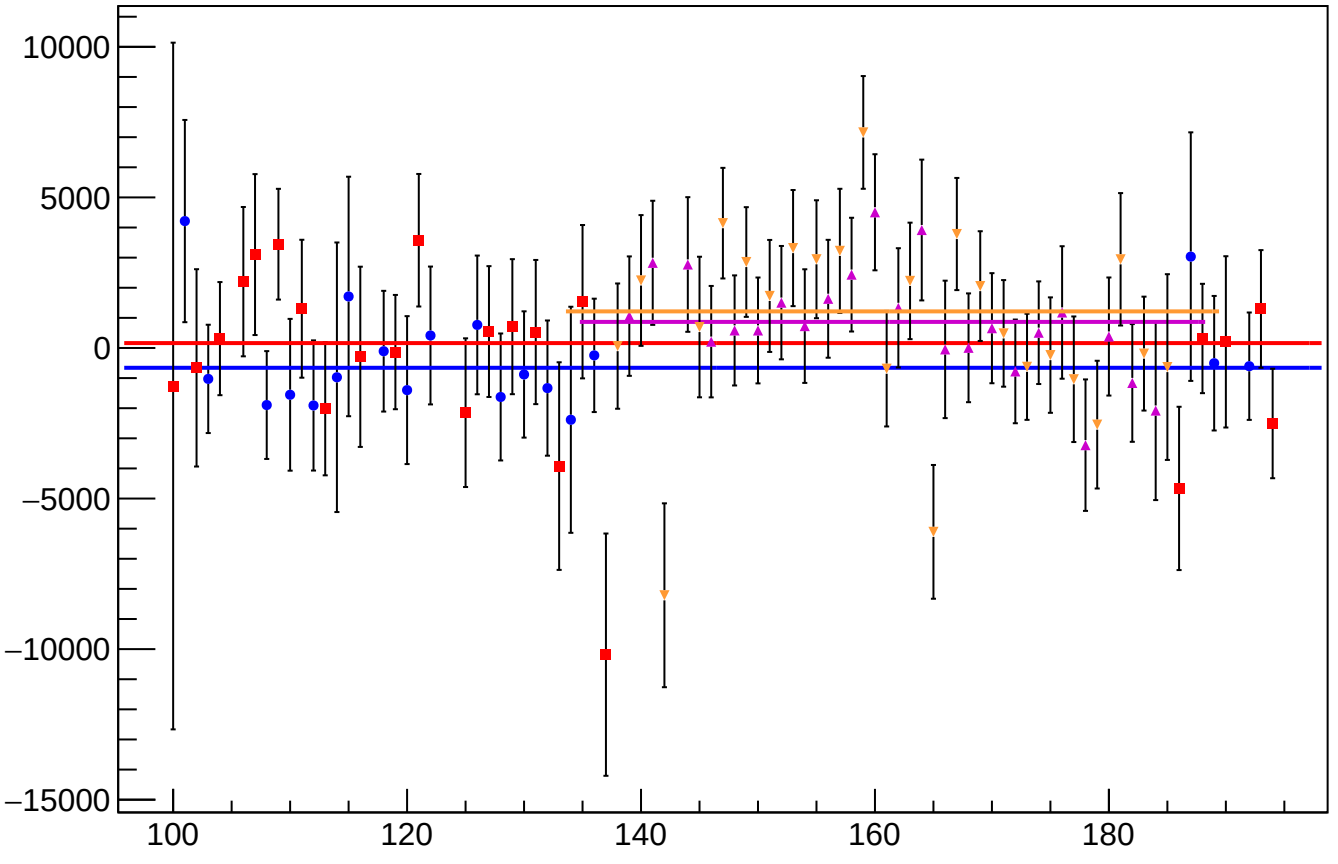
Right Out: 6130.180+/-1.395 χ^2/NDF: 1793631.6/22

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7069.008+/-0.982 χ^2/NDF: 2601565.2/42

All: 6998.925+/-0.681 χ^2/NDF: 6243340.6/88

- sign 6934.161+/-0.944 χ^2/NDF: 3631981.5/45



Right In: -657.731+/-529.541 χ^2/NDF: 5.6/18

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 162.417+/-490.826 χ^2/NDF: 23.8/22

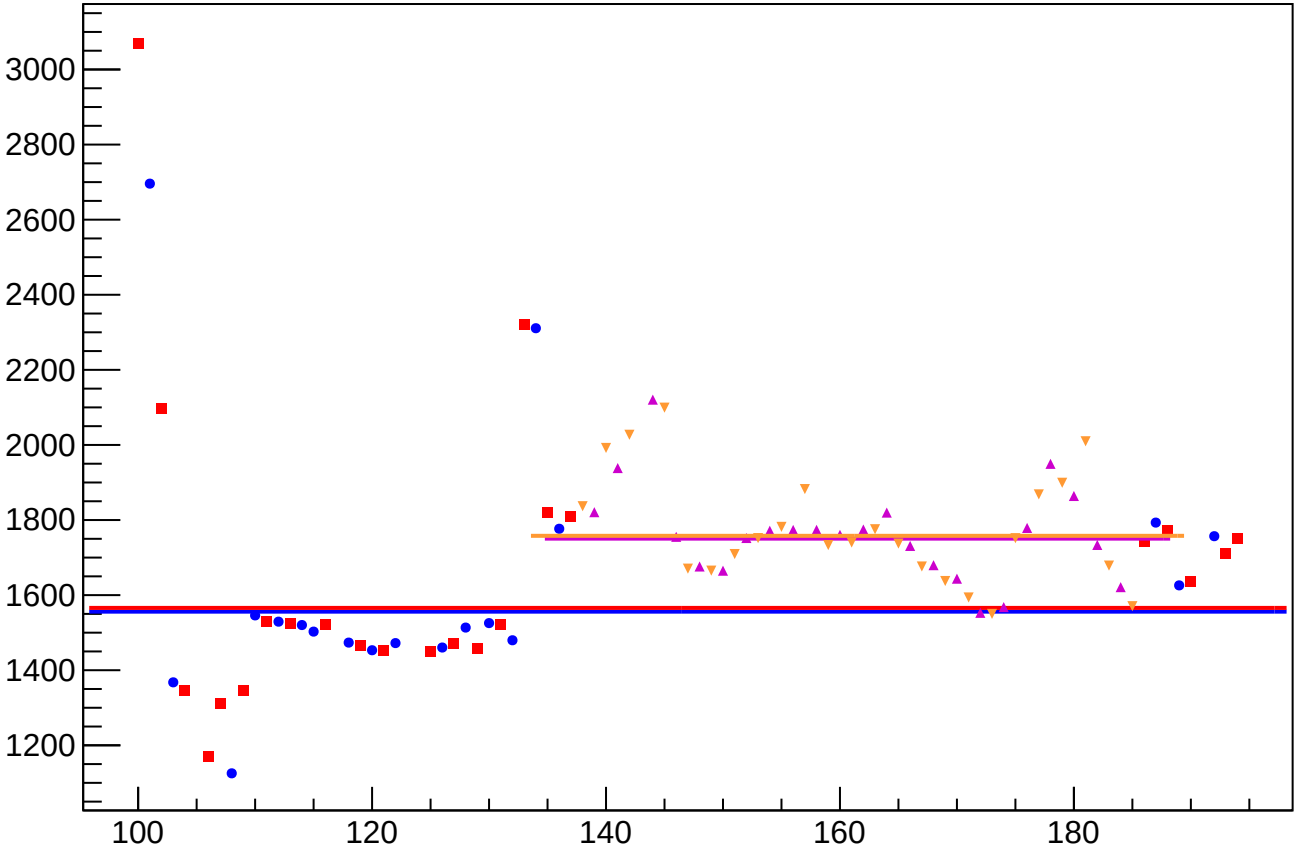
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

\+ sign 514.223+/-323.981 χ^2/NDF: 61.9/42

All: 546.429+/-225.729 χ^2/NDF: 102.0/88

\- sign 576.813+/-314.679 χ^2/NDF: 40.1/45

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

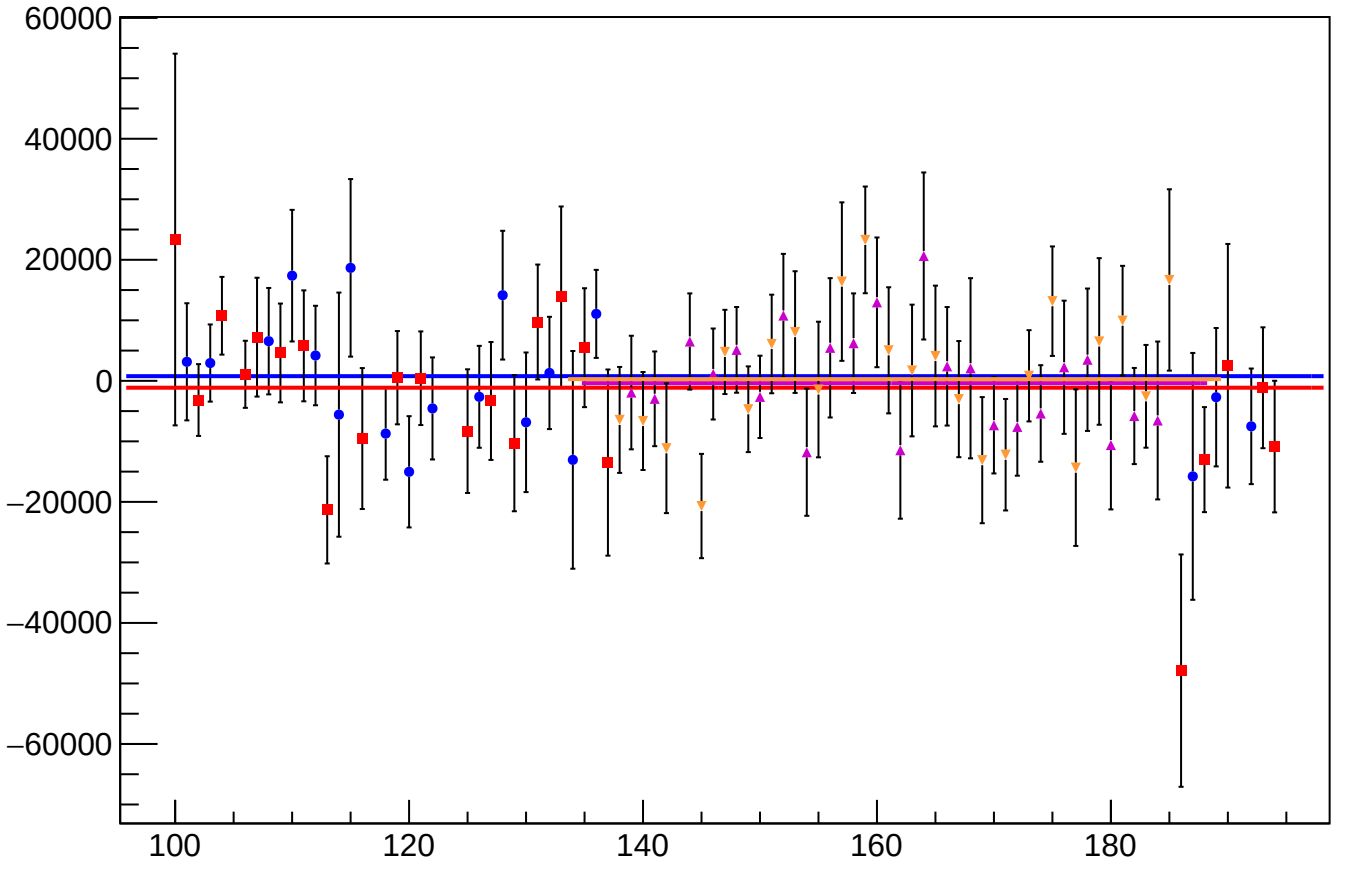
Right Out: 1565.962+/-0.347 χ^2/NDF: 429347.5/22

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1682.365+/-0.229 χ^2/NDF: 923172.7/42

All: 1678.377+/-0.160 χ^2/NDF: 1691505.9/88

- sign 1674.615+/-0.222 χ^2/NDF: 767744.3/45



Right In: 773.494+/-2198.979 χ^2/NDF: 15.9/18

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

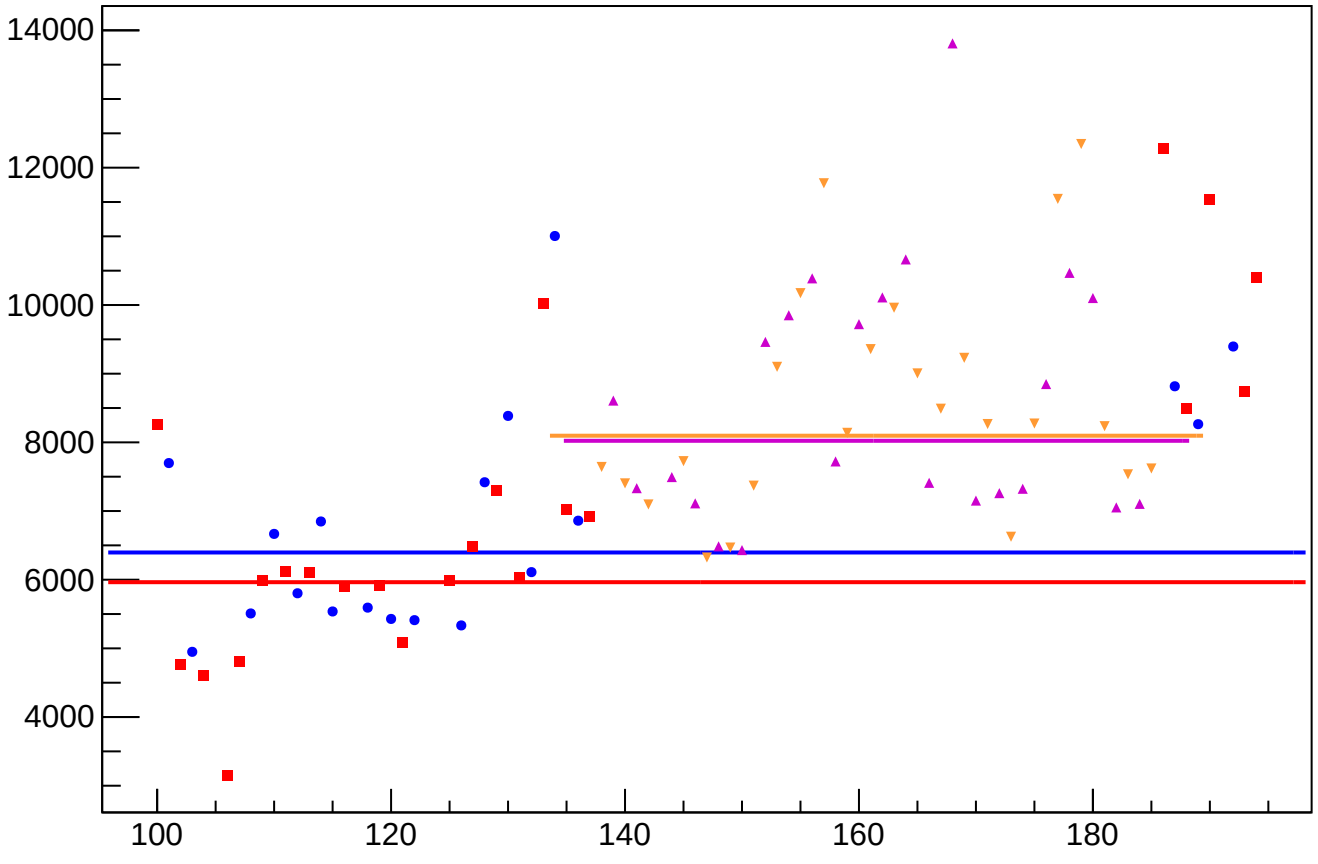
Right Out: -1134.858+/-1916.003 χ^2/NDF: 25.2/22

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 496.287+/-1446.343 χ^2/NDF: 44.6/42

All: -172.411+/-988.277 χ^2/NDF: 83.8/88

- sign -758.048+/-1353.538 χ^2/NDF: 38.9/45



Right In: 6396.314+/-1.555 χ^2/NDF: 780783.8/18

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

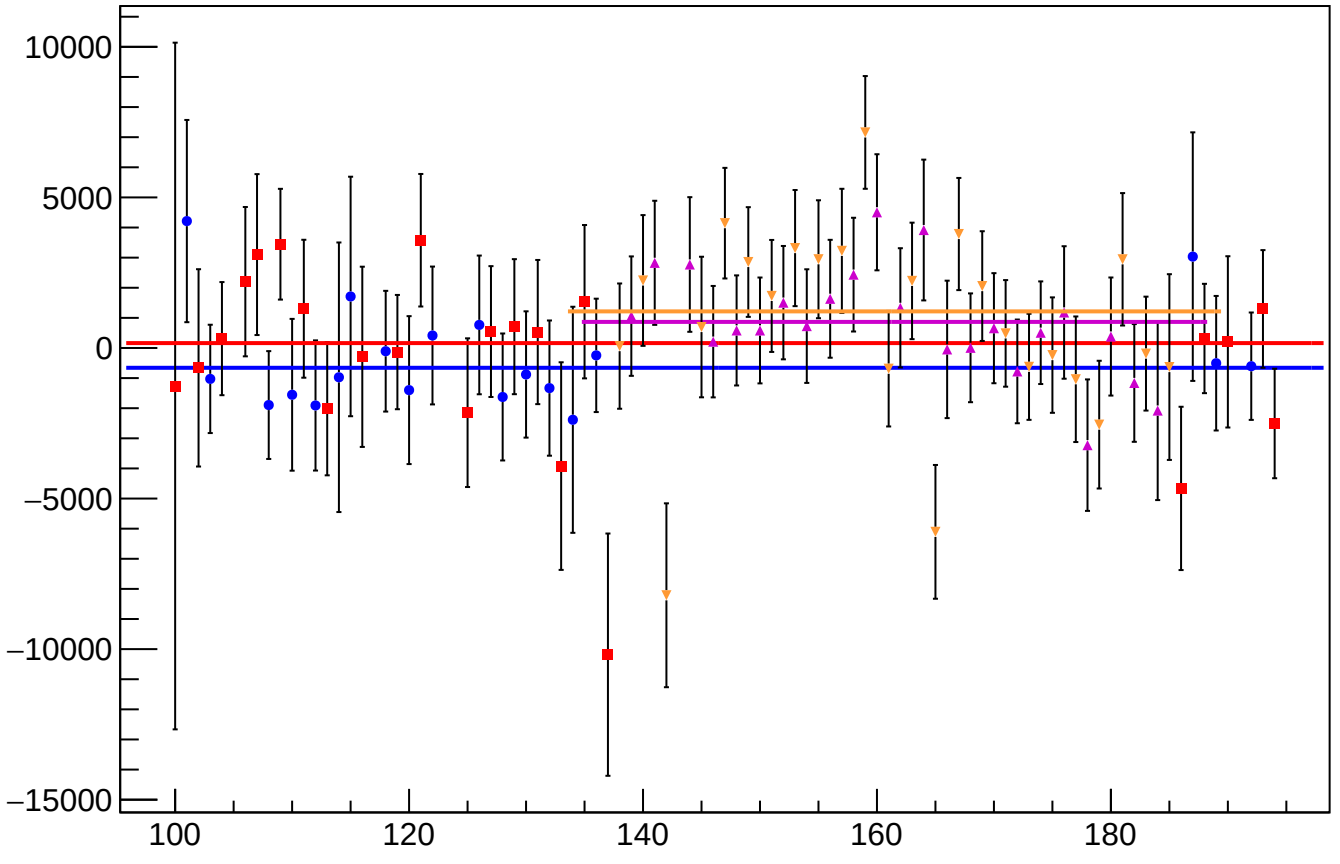
Right Out: 5963.795+/-1.355 χ^2/NDF: 1991887.1/22

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7361.159+/-1.023 χ^2/NDF: 2547190.0/42

All: 7166.066+/-0.699 χ^2/NDF: 6989826.0/88

- sign 6995.206+/-0.957 χ^2/NDF: 4374377.9/45



Right In: -657.735+/-529.540 χ^2/NDF: 5.6/18

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 162.424+/-490.826 χ^2/NDF: 23.8/22

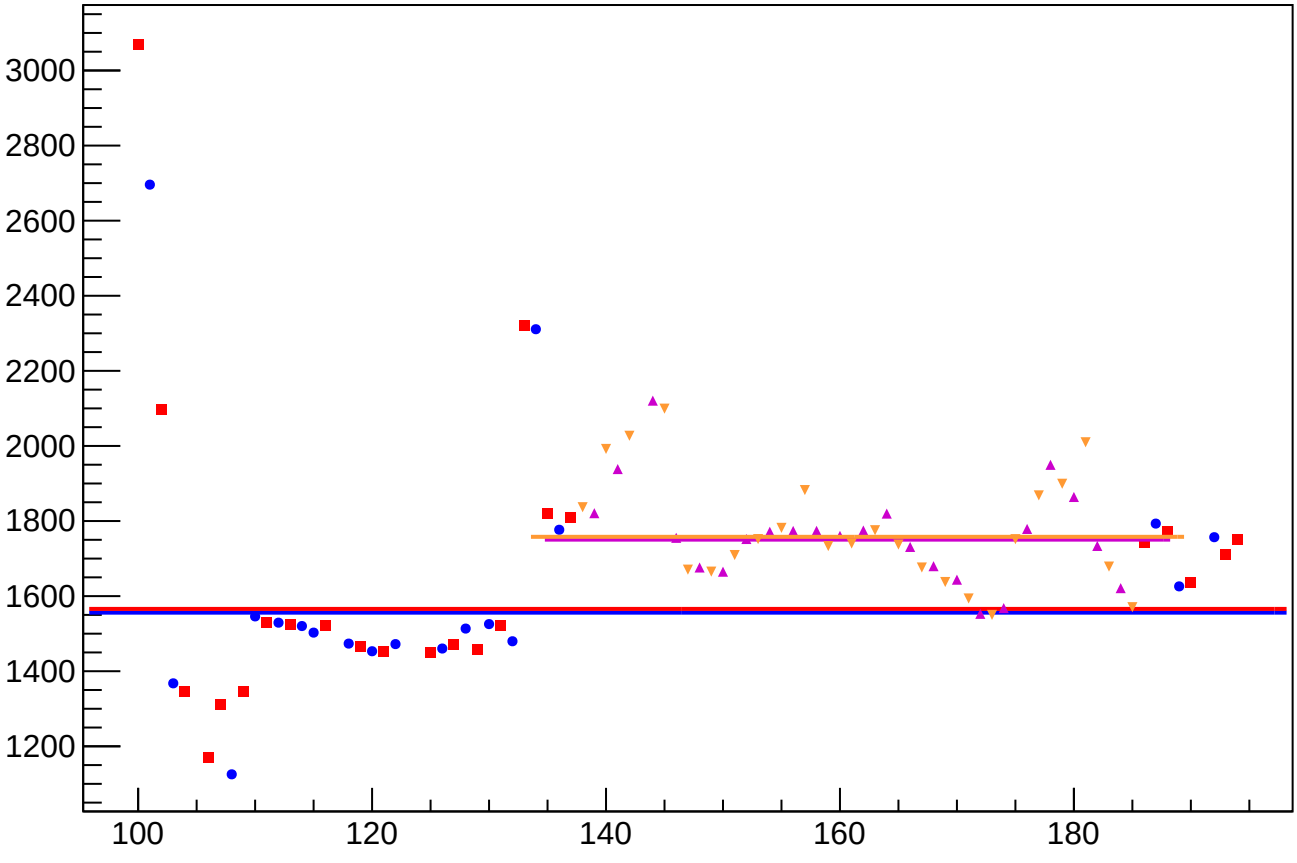
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

\+ sign 514.224+/-323.982 χ^2/NDF: 61.9/42

All: 546.431+/-225.729 χ^2/NDF: 102.0/88

\- sign 576.815+/-314.680 χ^2/NDF: 40.1/45

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

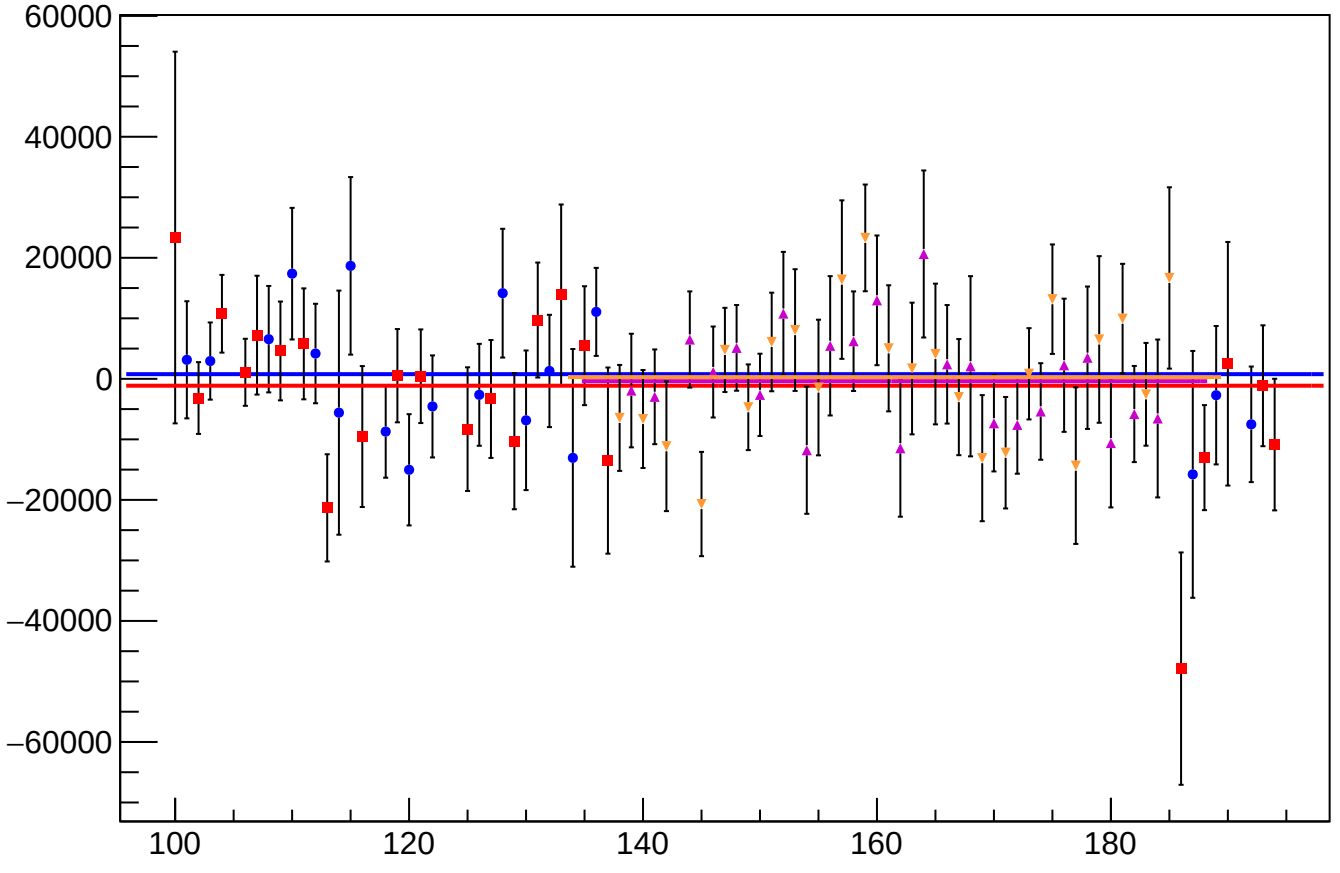
Right Out: 1565.962+/-0.347 χ^2/NDF: 429347.6/22

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1682.367+/-0.229 χ^2/NDF: 923185.2/42

All: 1678.379+/-0.160 χ^2/NDF: 1691531.2/88

- sign 1674.617+/-0.222 χ^2/NDF: 767757.1/45



Right In: 773.479+/-2198.975 χ^2/NDF: 15.9/18

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

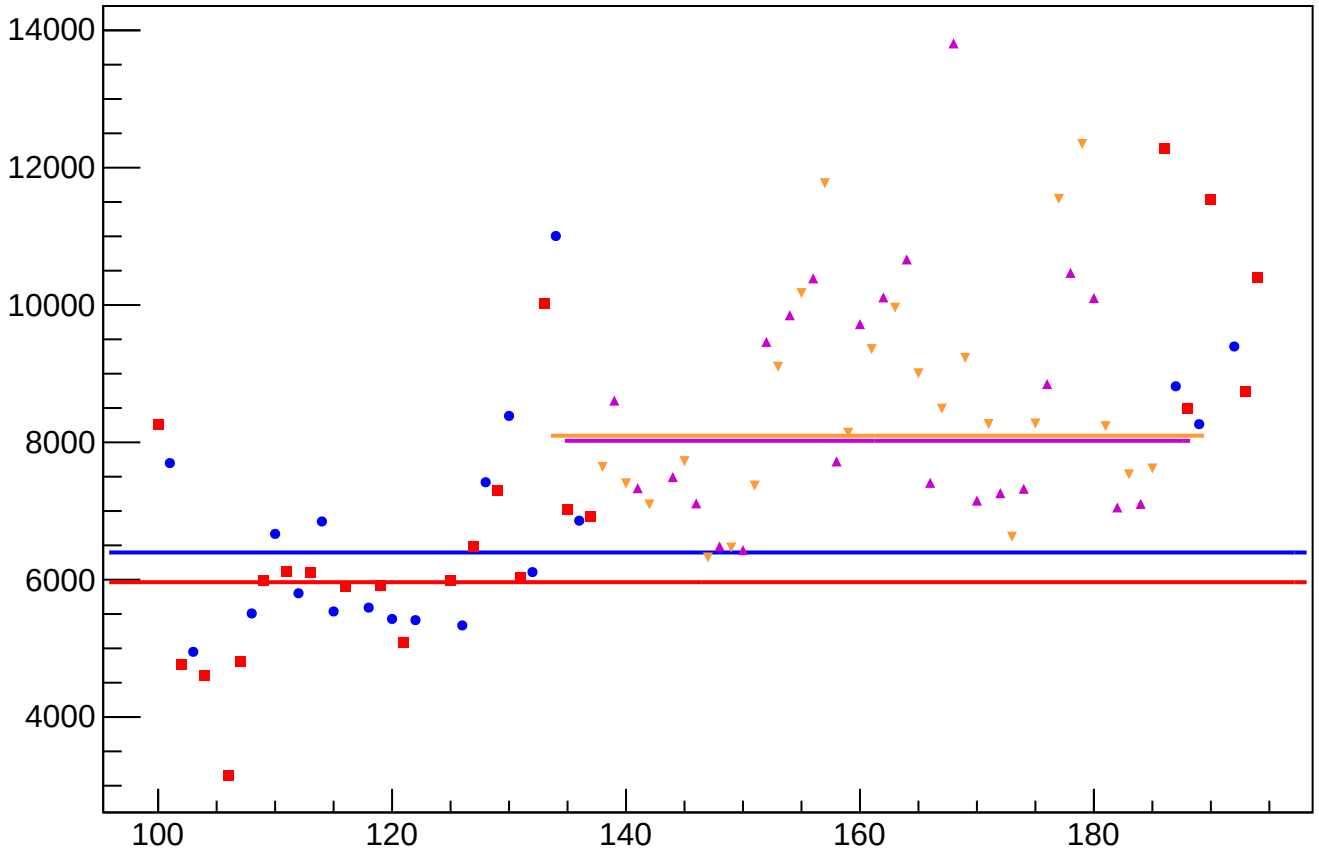
Right Out: -1134.847+/-1916.000 χ^2/NDF: 25.2/22

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 496.282+/-1446.343 χ^2/NDF: 44.6/42

All: -172.412+/-988.277 χ^2/NDF: 83.8/88

- sign -758.046+/-1353.538 χ^2/NDF: 38.9/45



Right In: 6396.301+/-1.555 χ^2/NDF: 780791.2/18

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 5963.784+/-1.355 χ^2/NDF: 1991896.4/22

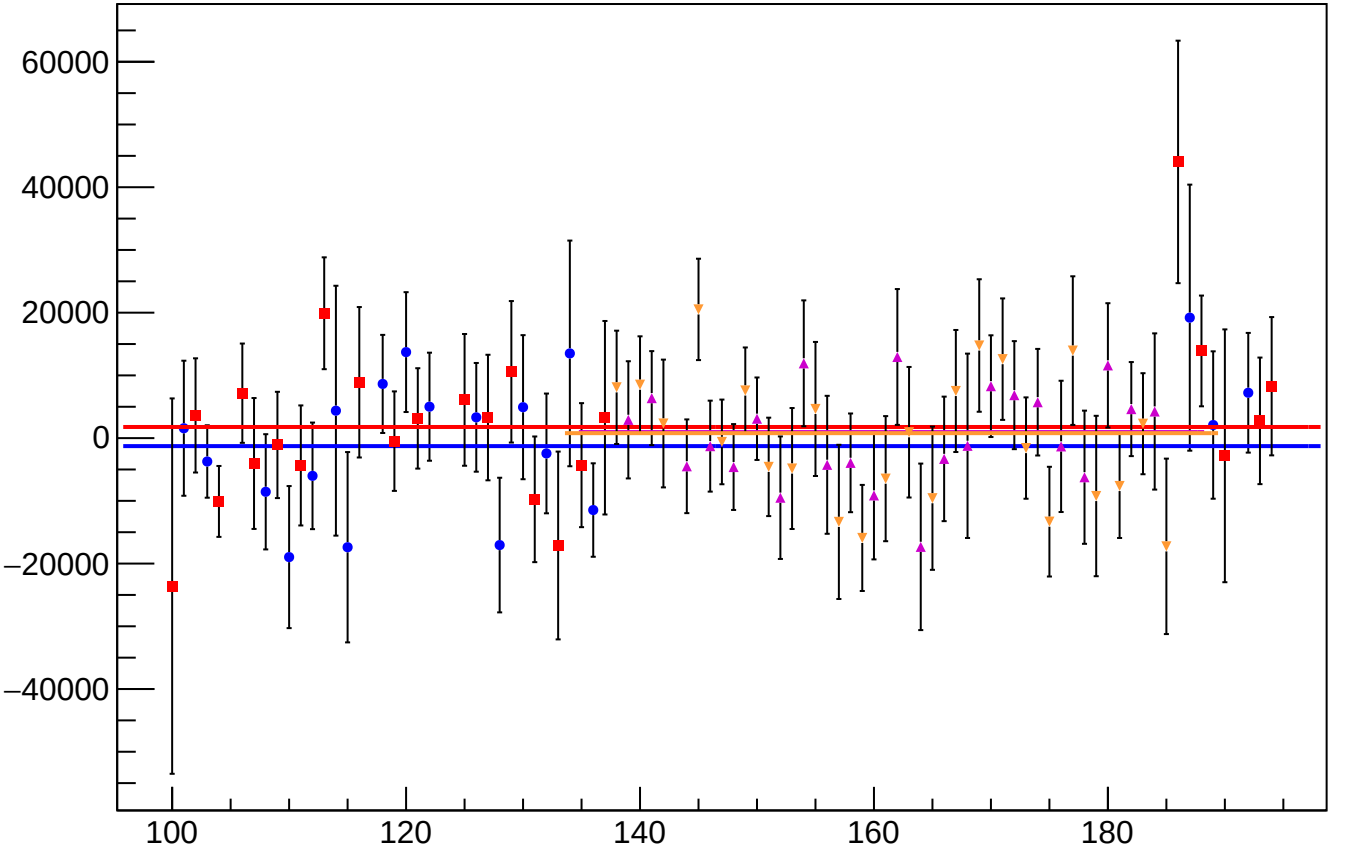
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7361.157+/-1.023 χ^2/NDF: 2547220.4/42

All: 7166.064+/-0.699 χ^2/NDF: 6989896.1/88

- sign 6995.203+/-0.957 χ^2/NDF: 4374417.0/45

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: 1775.571+/-2052.747 χ^2/NDF: 22.2/22

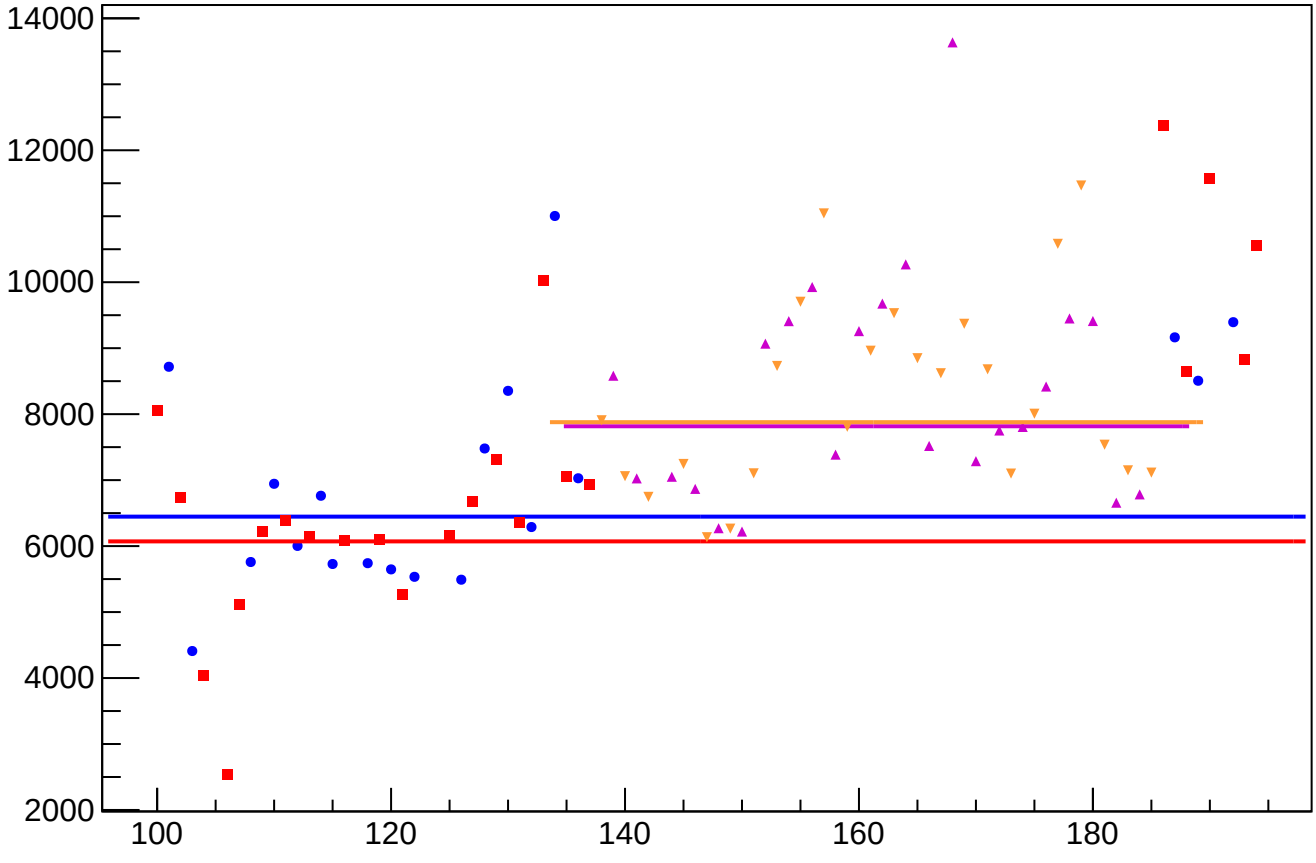
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign -60.789+/-1429.512 χ^2/NDF: 44.2/42

All: 659.893+/-992.218 χ^2/NDF: 79.8/88

- sign 1329.869+/-1378.306 χ^2/NDF: 35.1/45

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

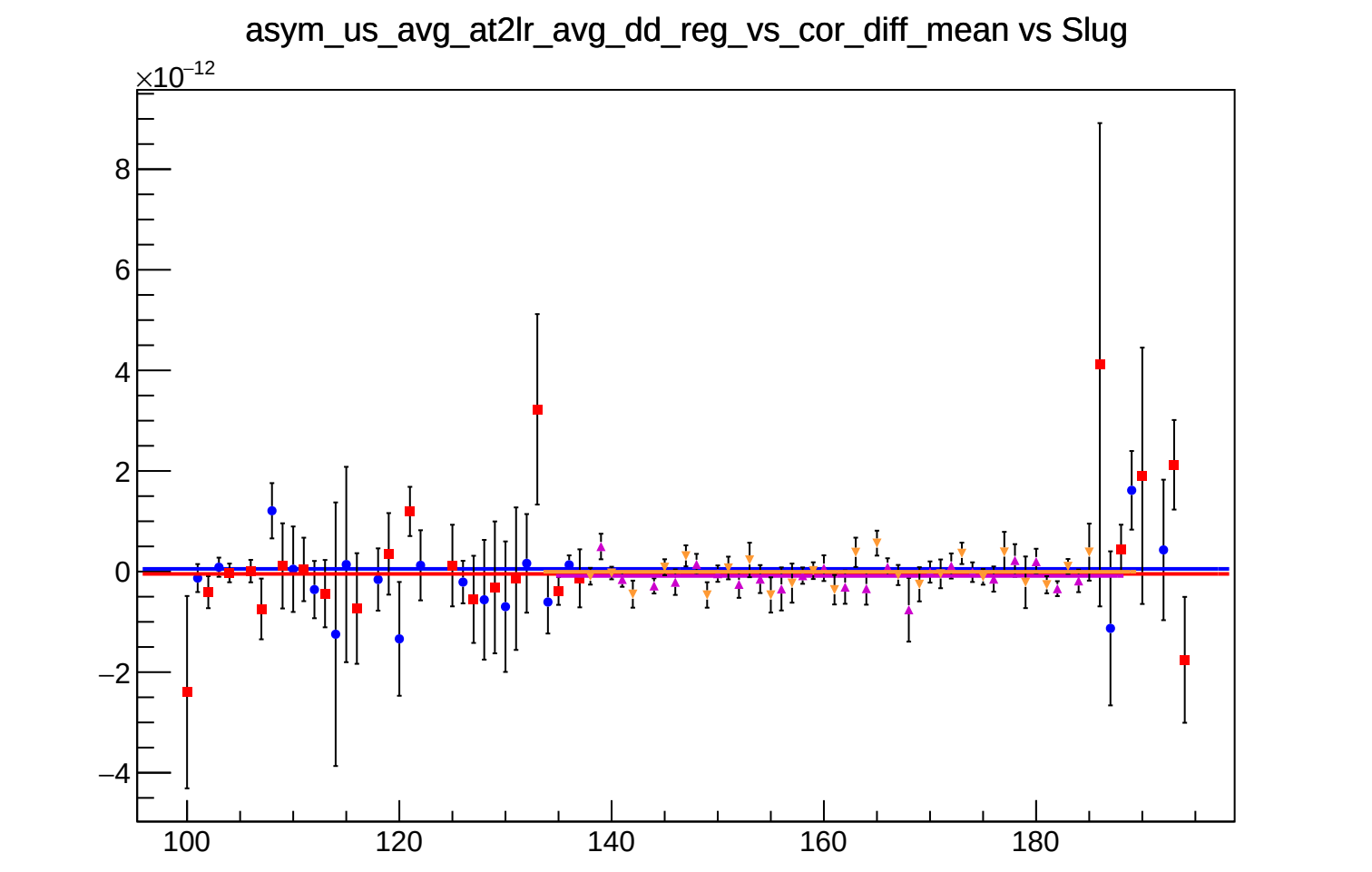
Right Out: 6071.367+/-1.407 χ^2/NDF: 2309351.0/22

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7287.757+/-1.011 χ^2/NDF: 2416867.5/42

All: 7137.983+/-0.696 χ^2/NDF: 6721404.1/88

- sign 7002.673+/-0.961 χ^2/NDF: 4262747.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

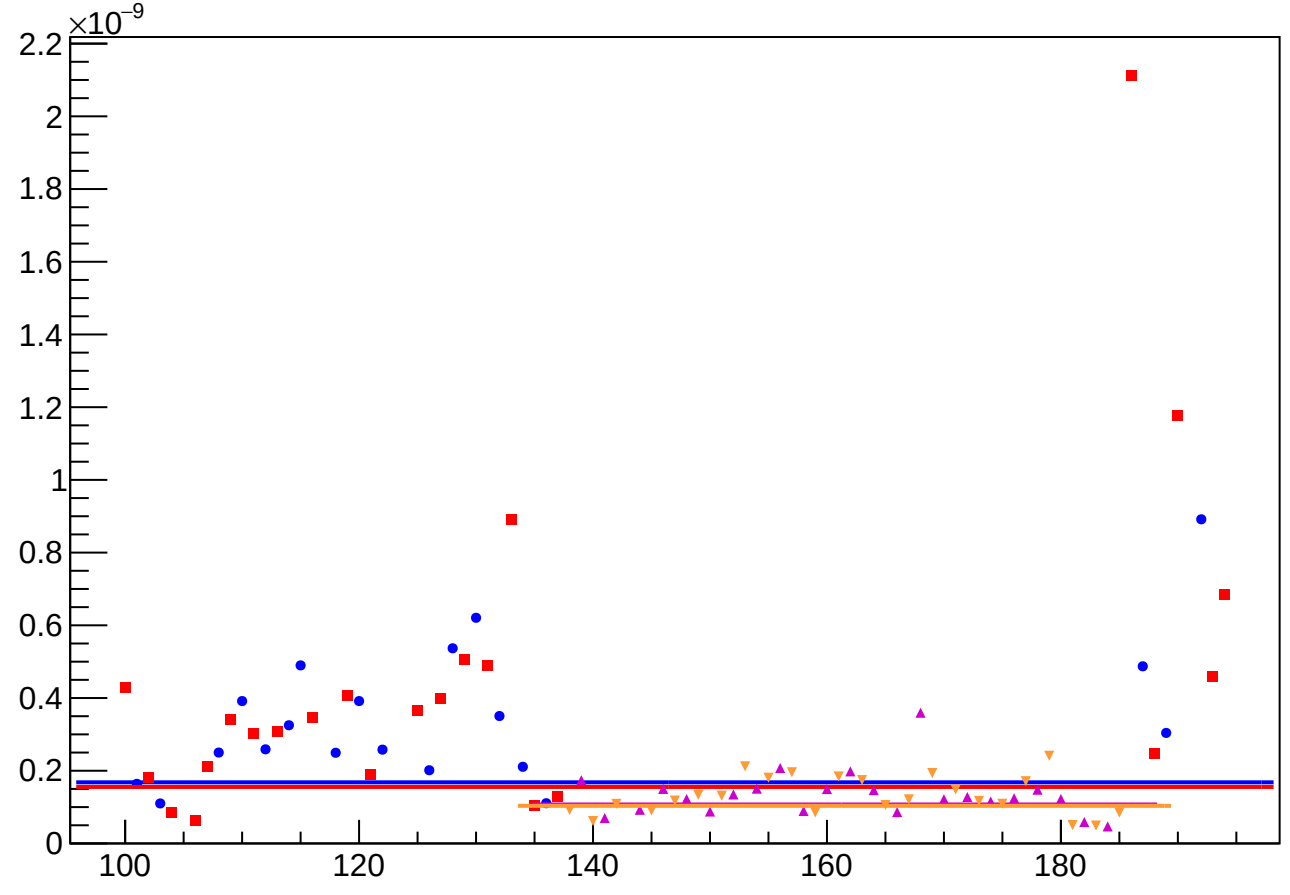
Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/22

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.1/42

All: -0.000+/-0.000 χ^2/NDF: 91.6/88

- sign -0.000+/-0.000 χ^2/NDF: 46.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 2025123.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

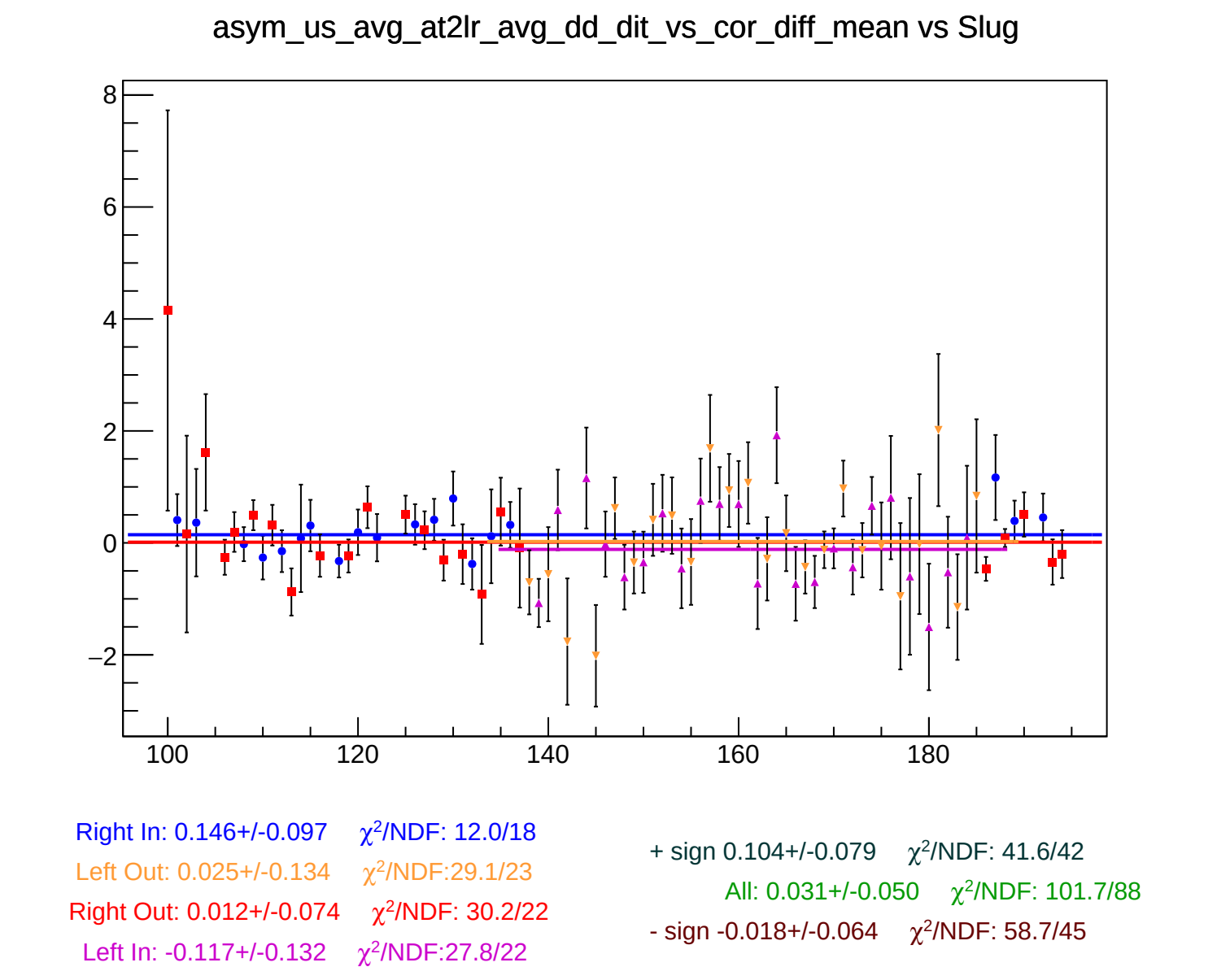
Right Out: 0.000+/-0.000 χ^2/NDF: 3515988.7/22

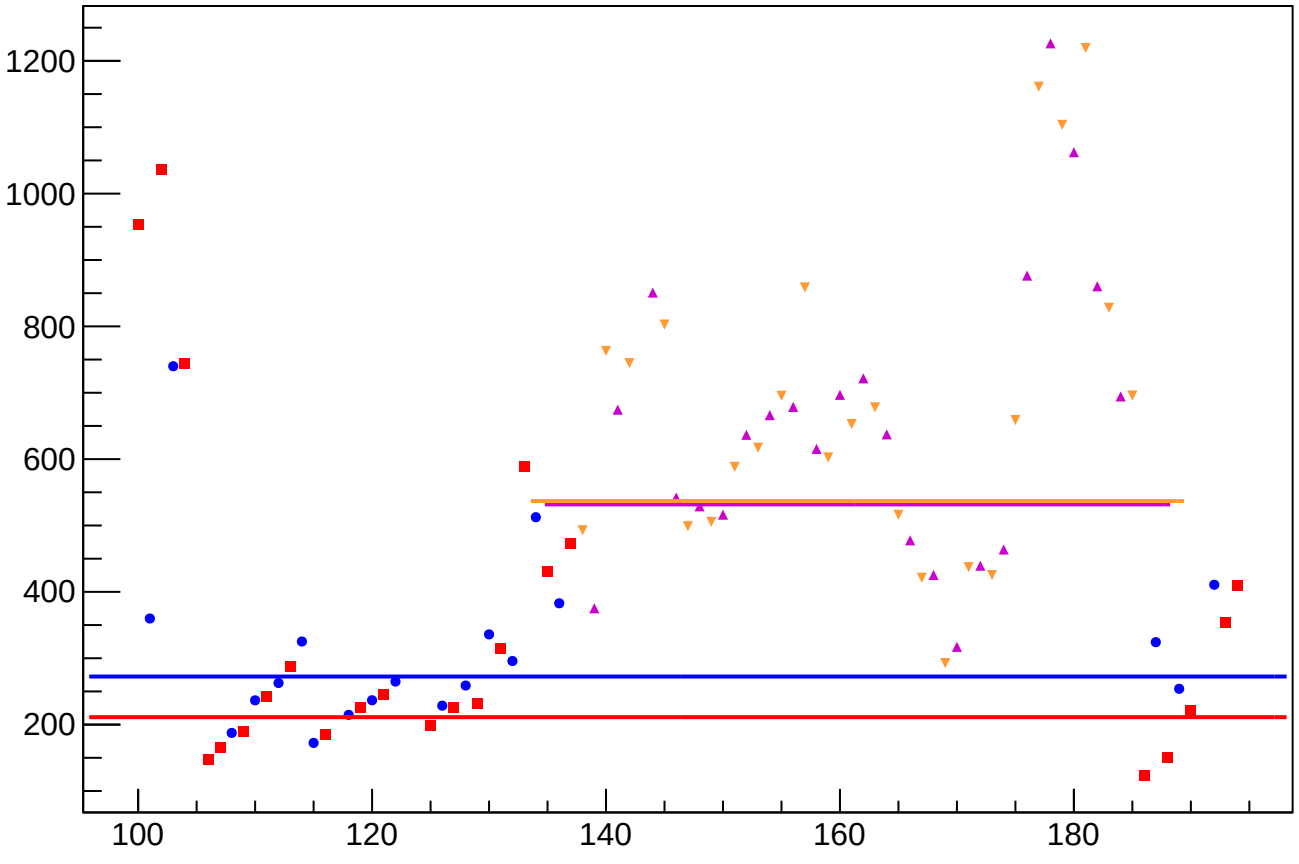
Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4603925.4/42

All: 0.000+/-0.000 χ^2/NDF: 10108160.2/88

- sign 0.000+/-0.000 χ^2/NDF: 5502314.5/45


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: 0.012+/-0.074 χ²/NDF: 30.2/22
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.104+/-0.079 χ²/NDF: 41.6/42
All: 0.031+/-0.050 χ²/NDF: 101.7/88
- sign -0.018+/-0.064 χ²/NDF: 58.7/45



Right In: 272.455+/-0.069 χ^2/NDF: 1518823.2/18

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 211.233+/-0.052 χ^2/NDF: 3434139.2/22

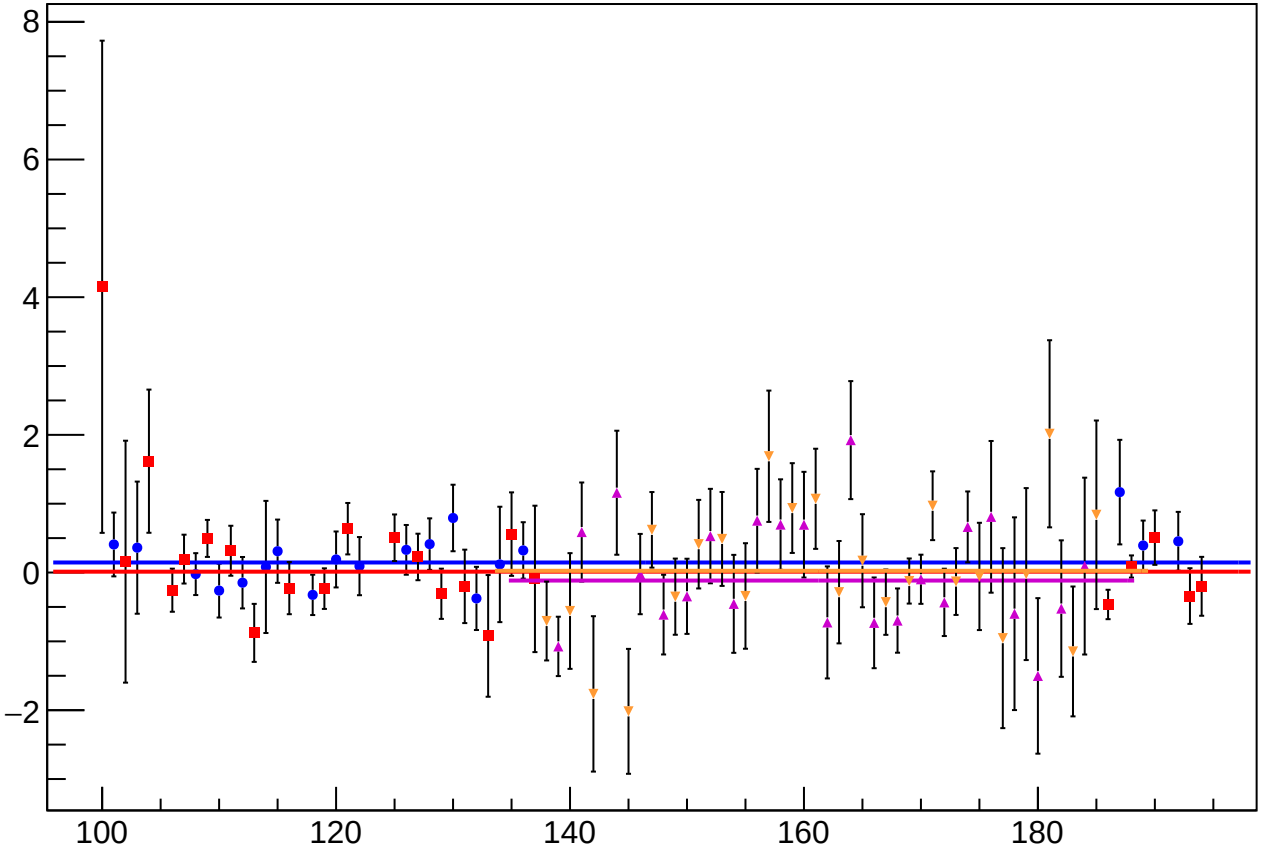
Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 363.871+/-0.056 χ^2/NDF: 10576981.7/42

All: 317.845+/-0.035 χ^2/NDF: 27472175.6/88

- sign 287.062+/-0.046 χ^2/NDF: 15755947.8/45

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

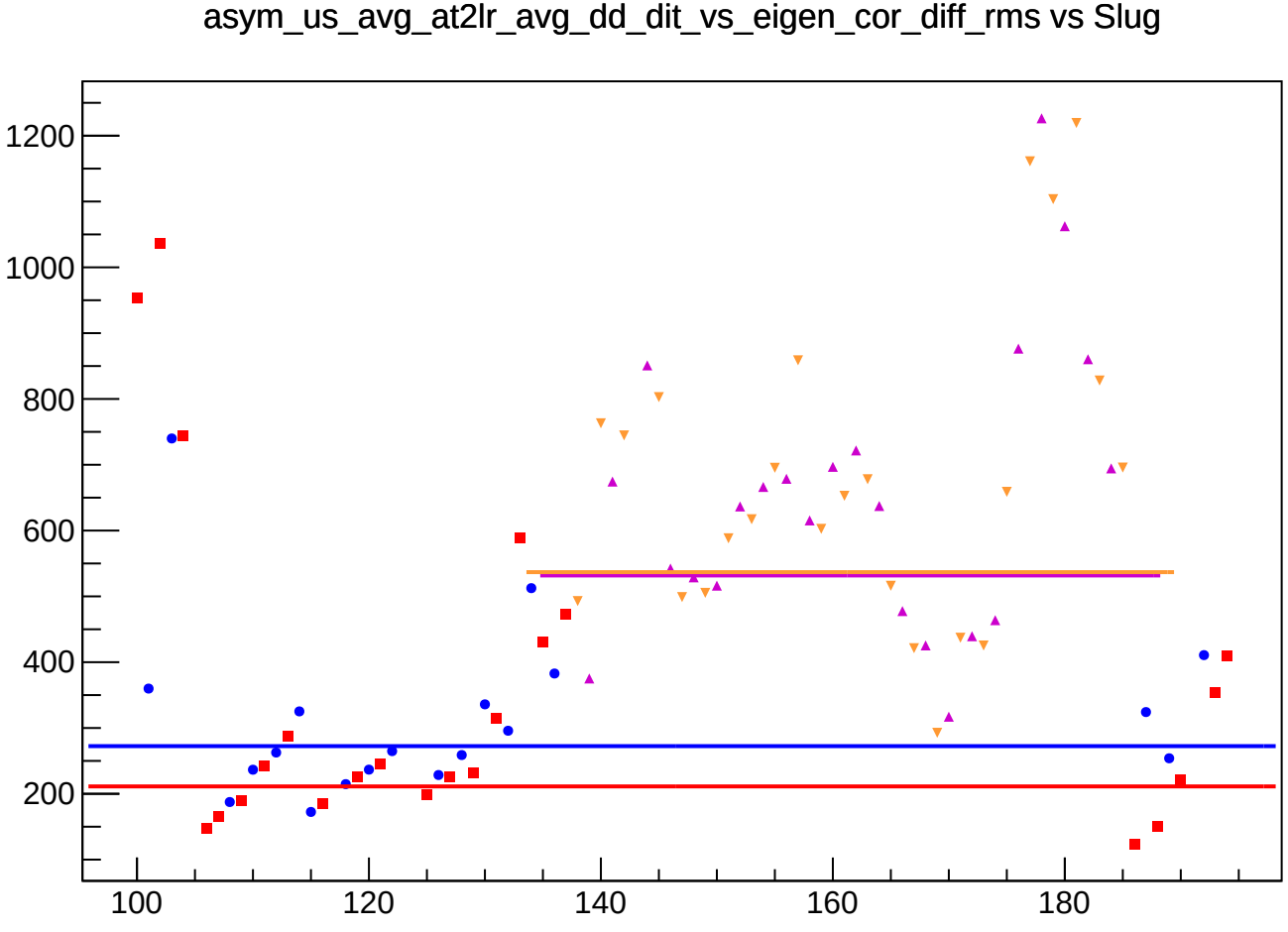
Right Out: 0.012+/-0.074 χ^2/NDF: 30.2/22

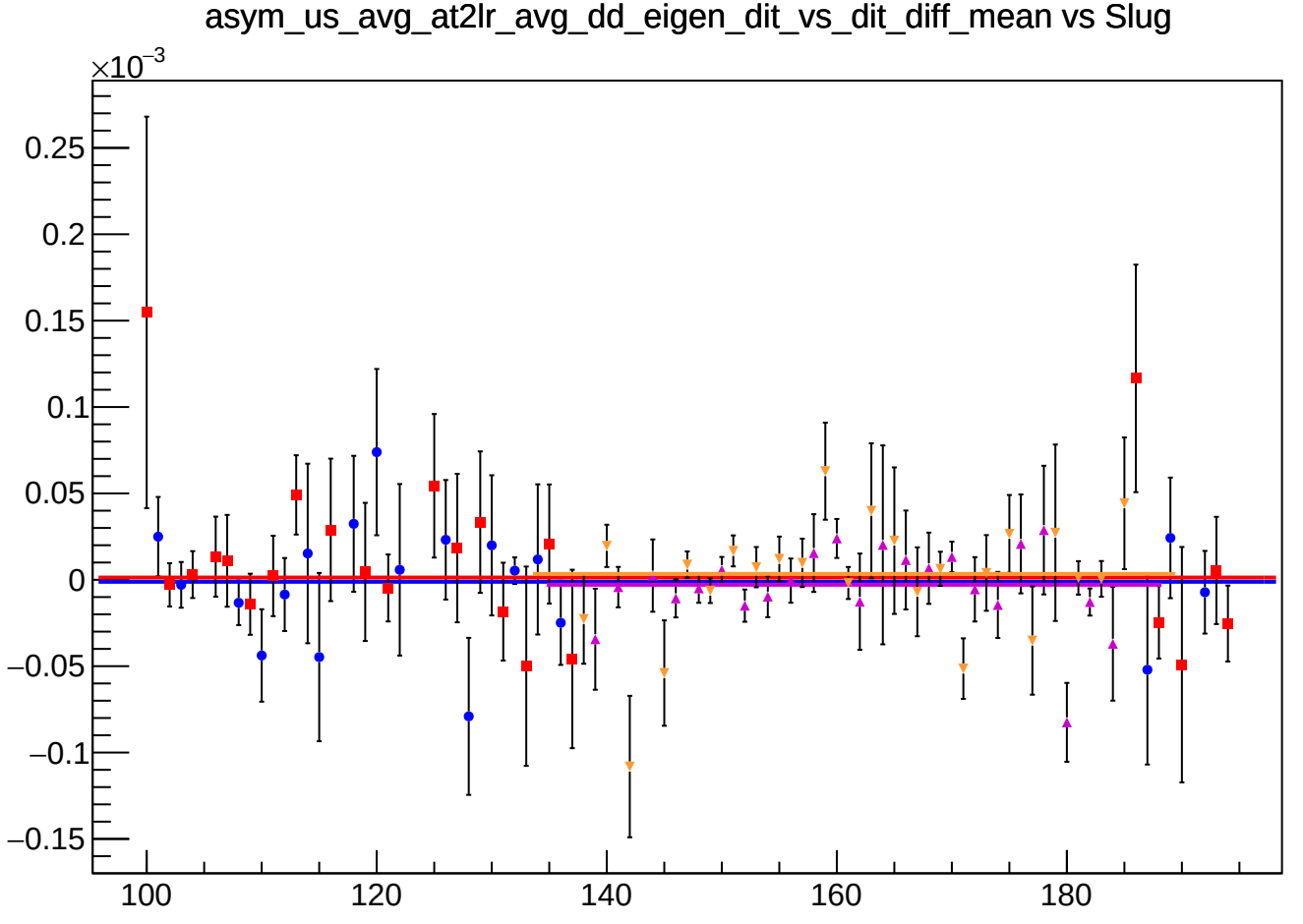
Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.104+/-0.079 χ^2/NDF: 41.6/42

All: 0.031+/-0.050 χ^2/NDF: 101.7/88

- sign -0.018+/-0.064 χ^2/NDF: 58.7/45


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
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: 211.233+/-0.052 χ²/NDF: 3434139.2/22
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
+ sign 363.871+/-0.056 χ²/NDF: 10576981.7/42
All: 317.845+/-0.035 χ²/NDF: 27472175.6/88
- sign 287.062+/-0.046 χ²/NDF: 15755947.8/45



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

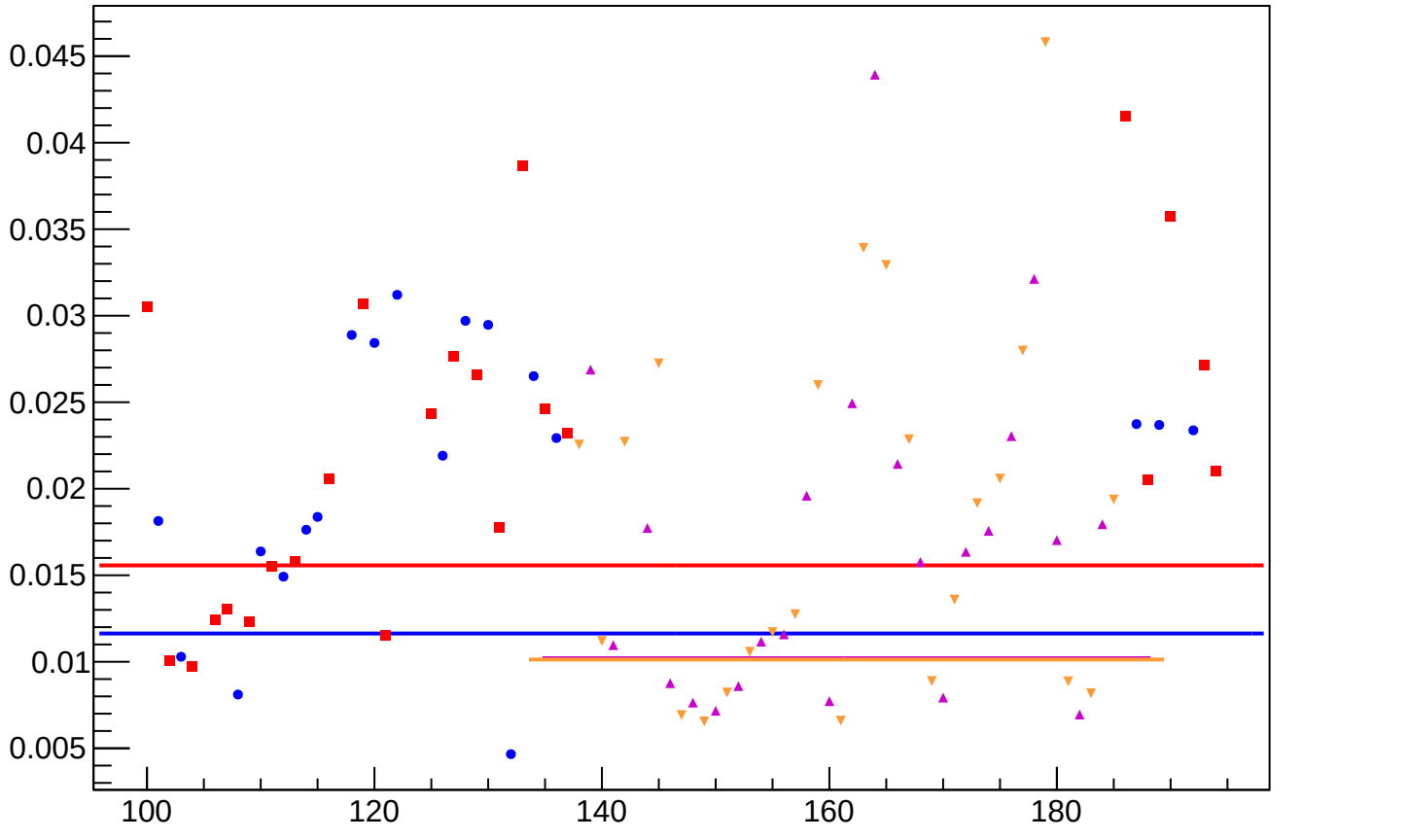
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/22

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.6/42

All: 0.000+/-0.000 χ^2/NDF: 109.3/88

- sign -0.000+/-0.000 χ^2/NDF: 52.2/45



Right In: 0.012+/-0.000 χ^2/NDF: 5455534.8/18

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.016+/-0.000 χ^2/NDF: 3218695.6/22

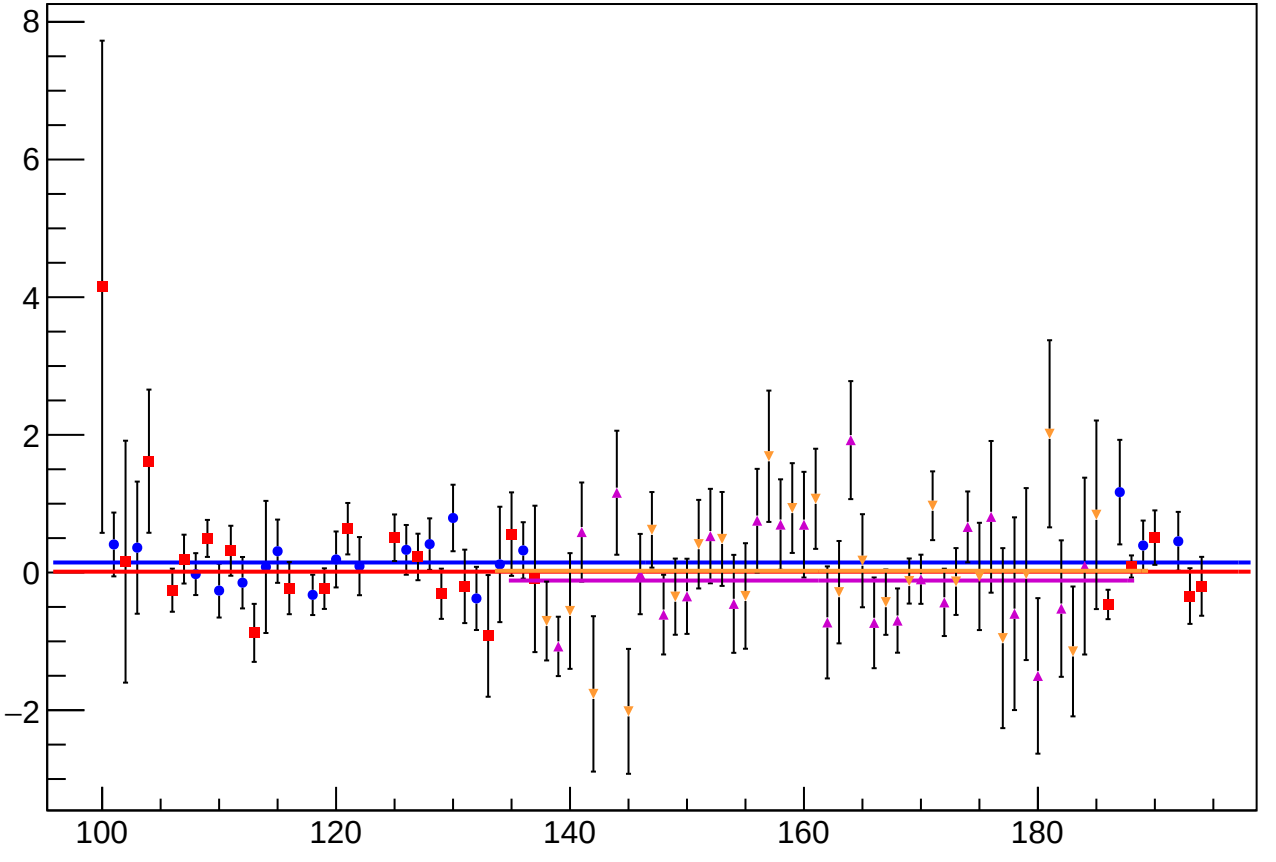
Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 13415887.0/42

All: 0.011+/-0.000 χ^2/NDF: 24473174.6/88

- sign 0.011+/-0.000 χ^2/NDF: 10925579.0/45

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_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

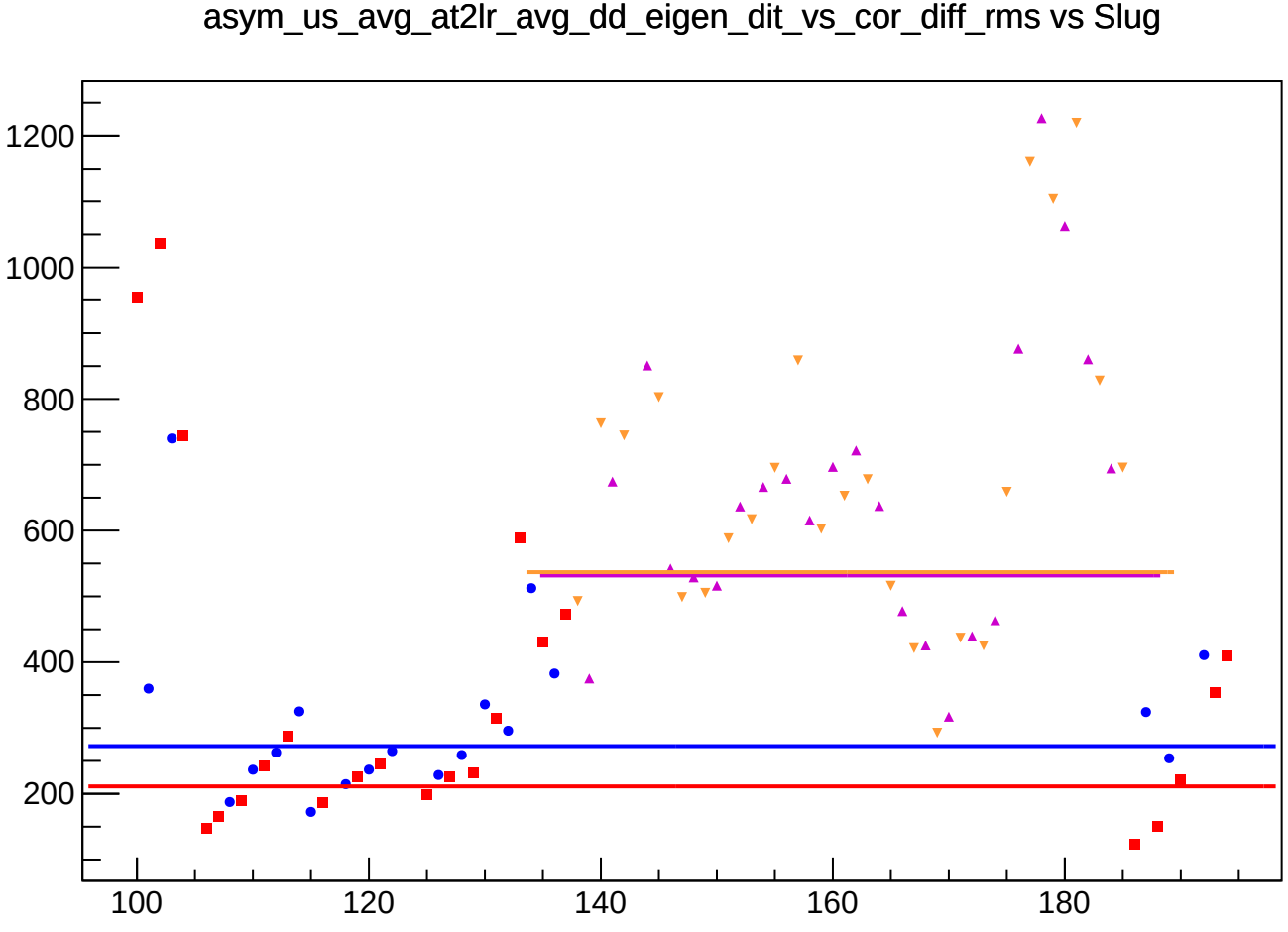
Right Out: 0.012+/-0.074 χ^2/NDF: 30.2/22

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

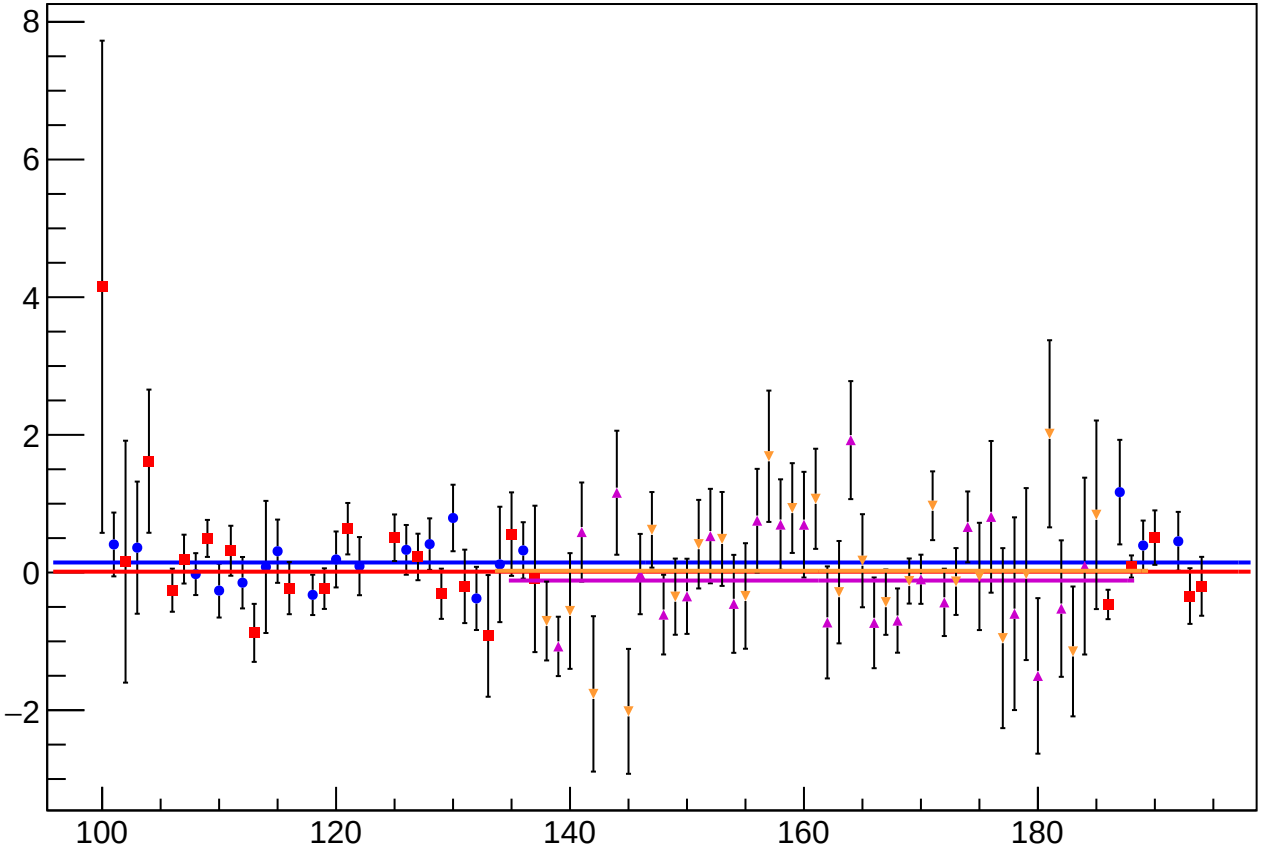
+ sign 0.104+/-0.079 χ^2/NDF: 41.6/42

All: 0.031+/-0.050 χ^2/NDF: 101.7/88

- sign -0.018+/-0.064 χ^2/NDF: 58.7/45


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
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: 211.230+/-0.052 χ²/NDF: 3434229.9/22
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 363.869+/-0.056 χ²/NDF: 10577225.2/42
All: 317.842+/-0.035 χ²/NDF: 27472879.8/88
- sign 287.058+/-0.046 χ²/NDF: 15756377.4/45

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

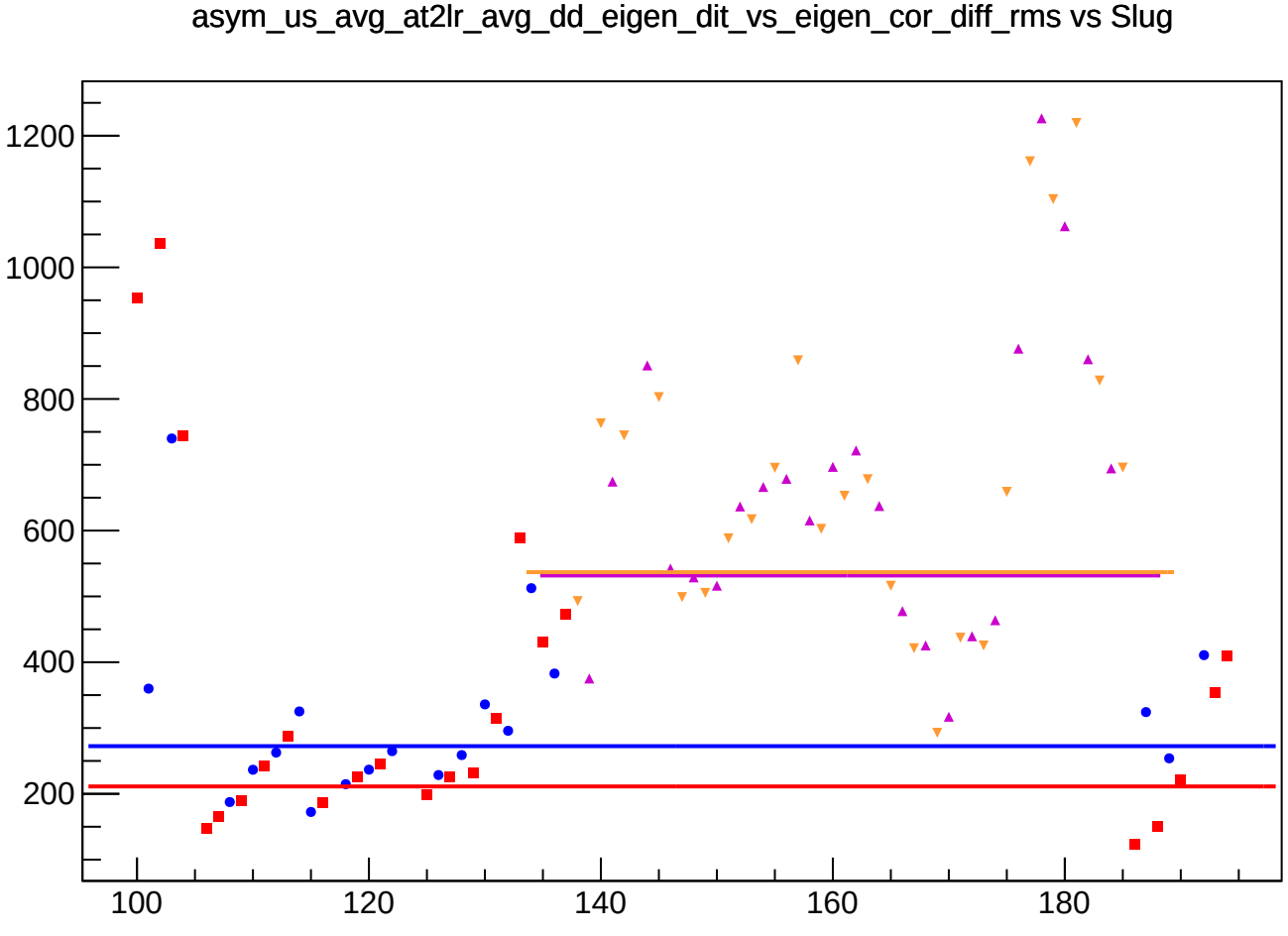
Right Out: 0.012+/-0.074 χ^2/NDF: 30.2/22

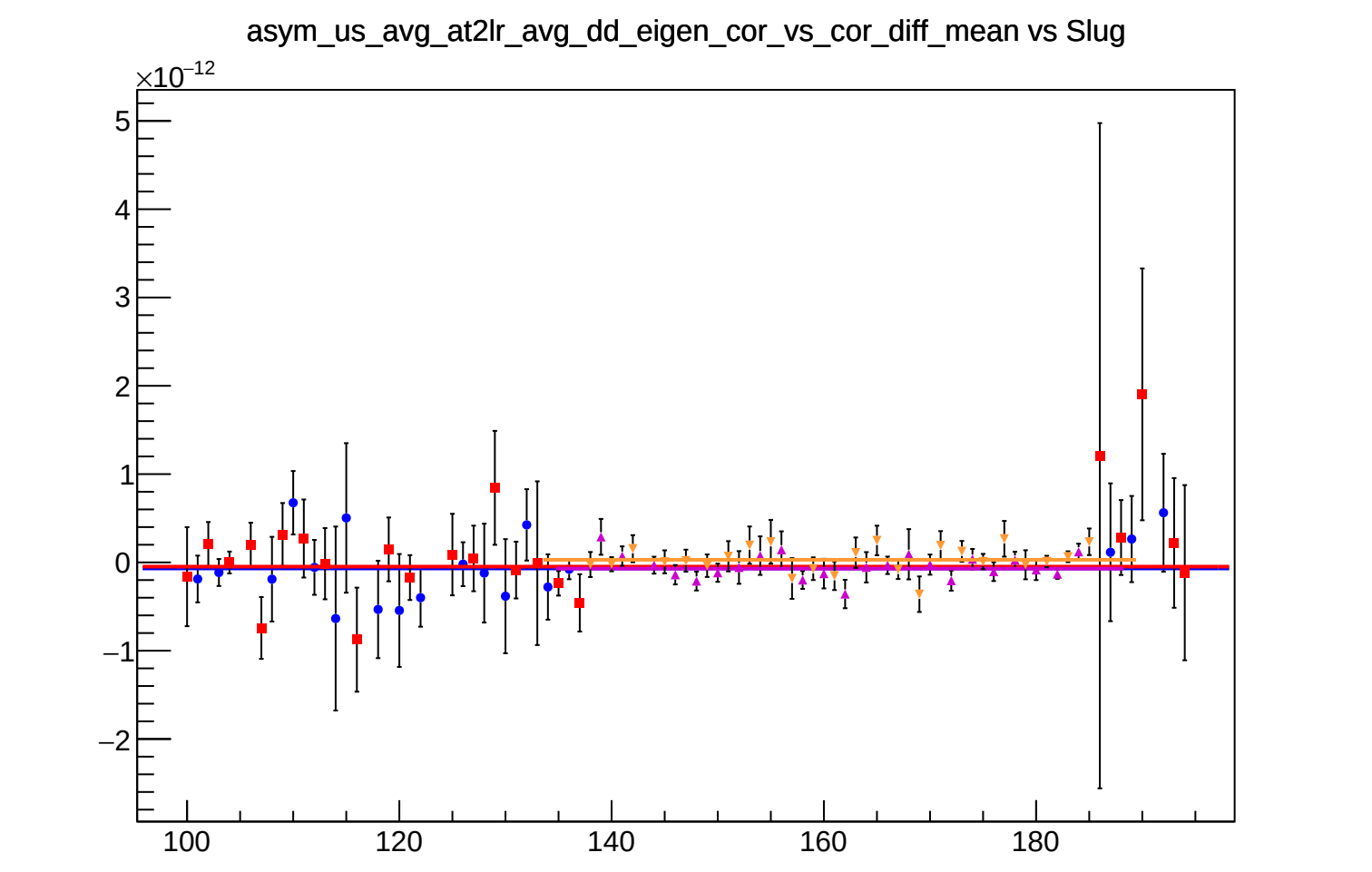
Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.104+/-0.079 χ^2/NDF: 41.6/42

All: 0.031+/-0.050 χ^2/NDF: 101.7/88

- sign -0.018+/-0.064 χ^2/NDF: 58.7/45


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
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: 211.230+/-0.052 χ²/NDF: 3434229.9/22
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 363.869+/-0.056 χ²/NDF: 10577225.2/42
All: 317.842+/-0.035 χ²/NDF: 27472879.8/88
- sign 287.058+/-0.046 χ²/NDF: 15756377.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 11.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

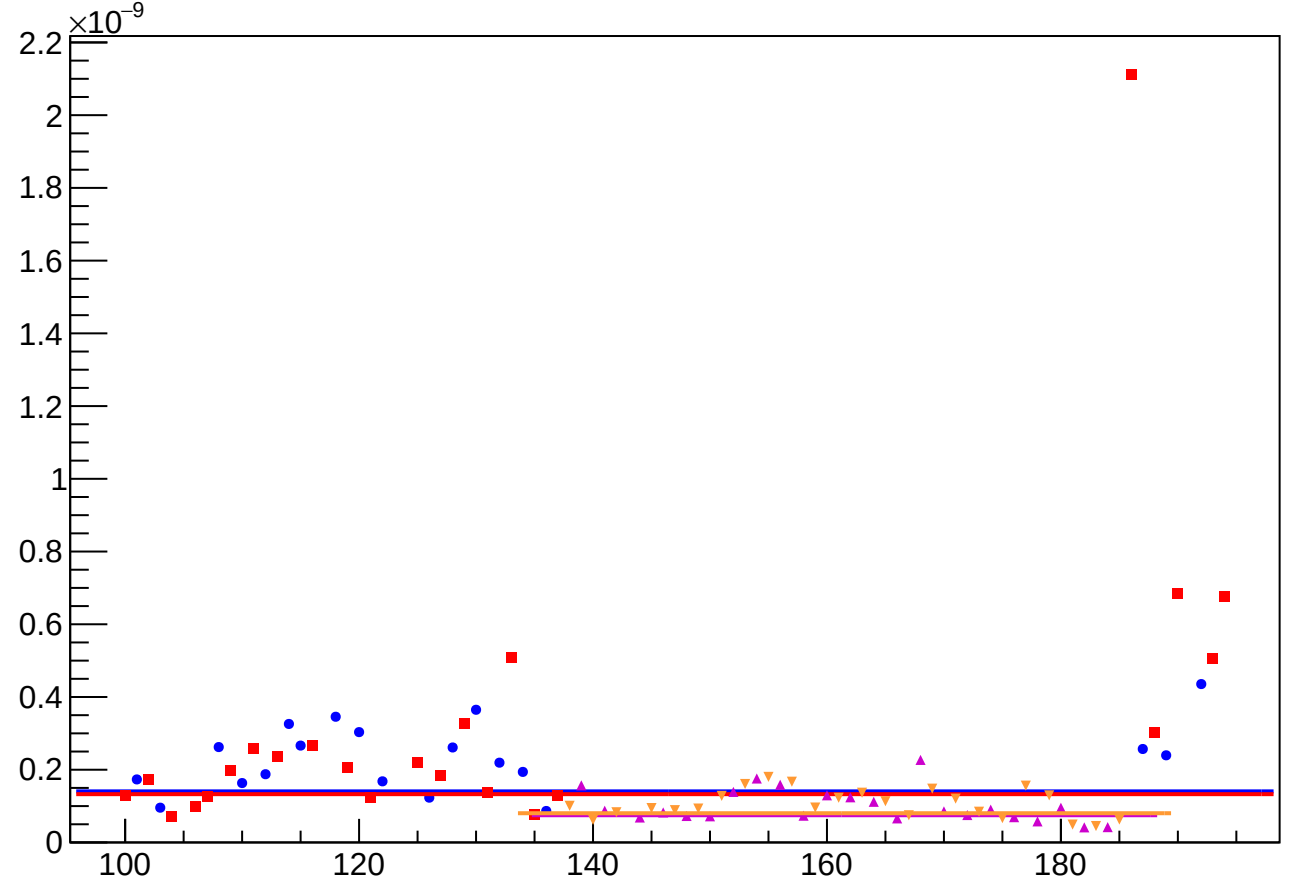
Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/22

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.8/42

All: -0.000+/-0.000 χ^2/NDF: 80.1/88

- sign -0.000+/-0.000 χ^2/NDF: 42.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 2348447.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4342221.0/22

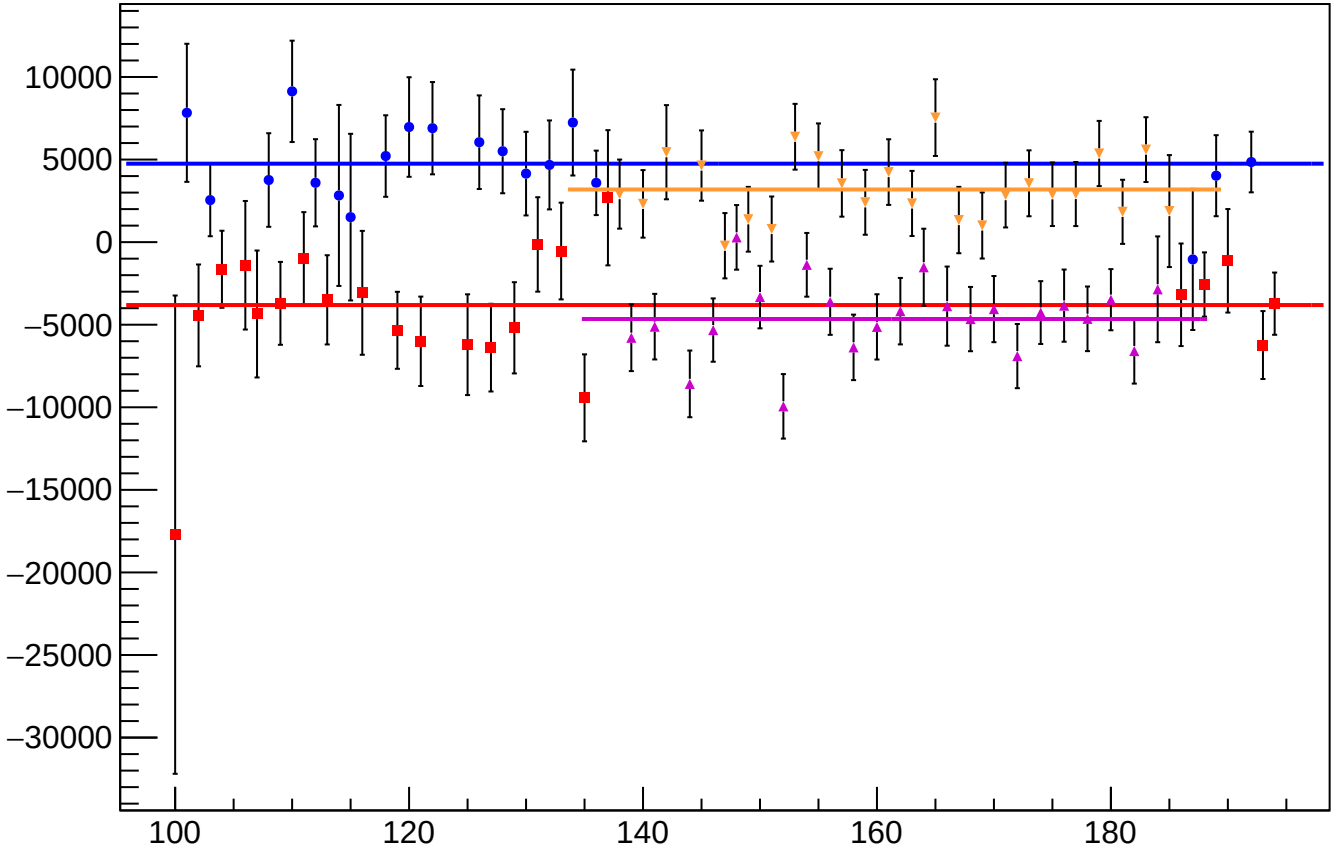
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7474717.7/42

All: 0.000+/-0.000 χ^2/NDF: 17017347.7/88

- sign 0.000+/-0.000 χ^2/NDF: 9481173.3/45

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: -3808.976+/-572.245 χ^2/NDF: 18.7/22

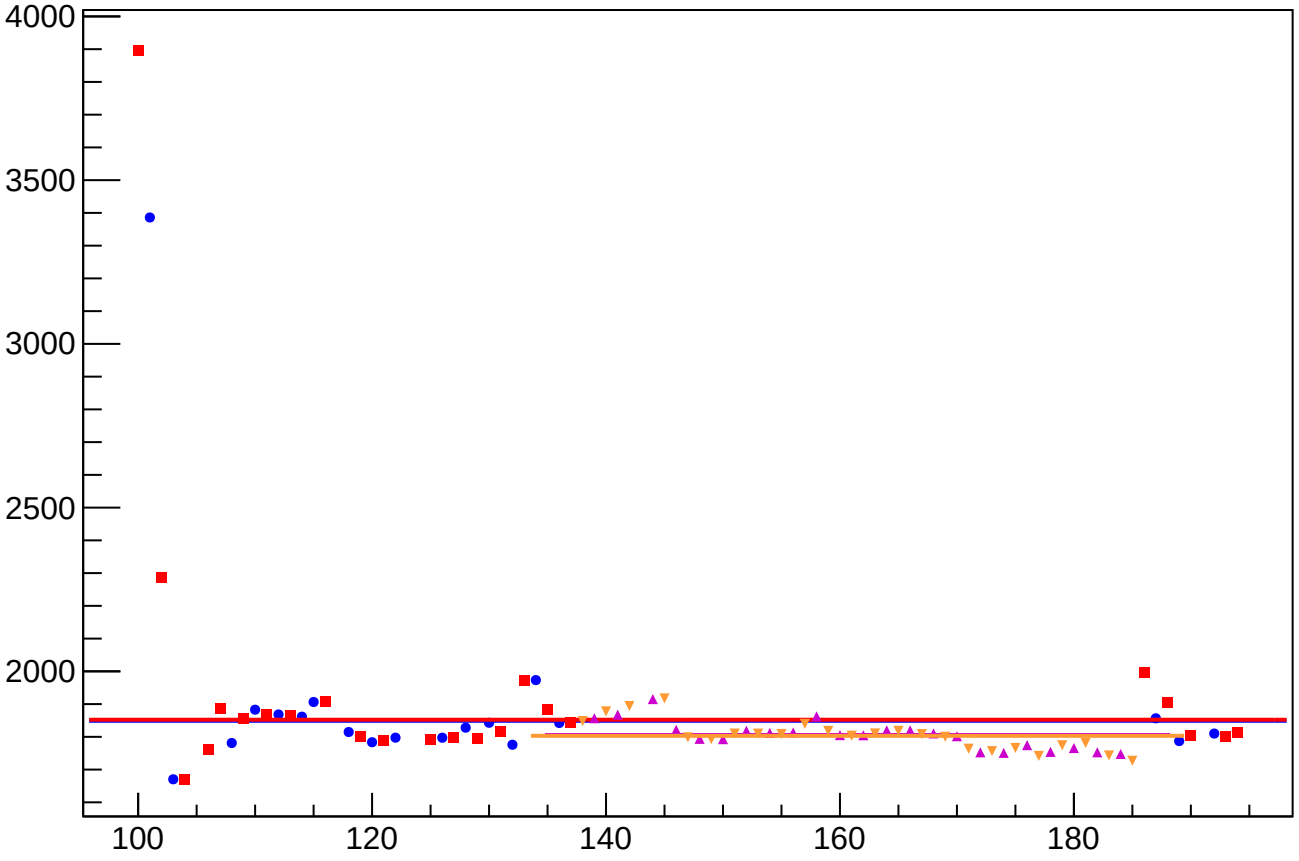
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3671.935+/-347.716 χ^2/NDF: 33.0/42

All: -439.012+/-242.906 χ^2/NDF: 353.9/88

- sign -4357.396+/-339.475 χ^2/NDF: 47.9/45

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

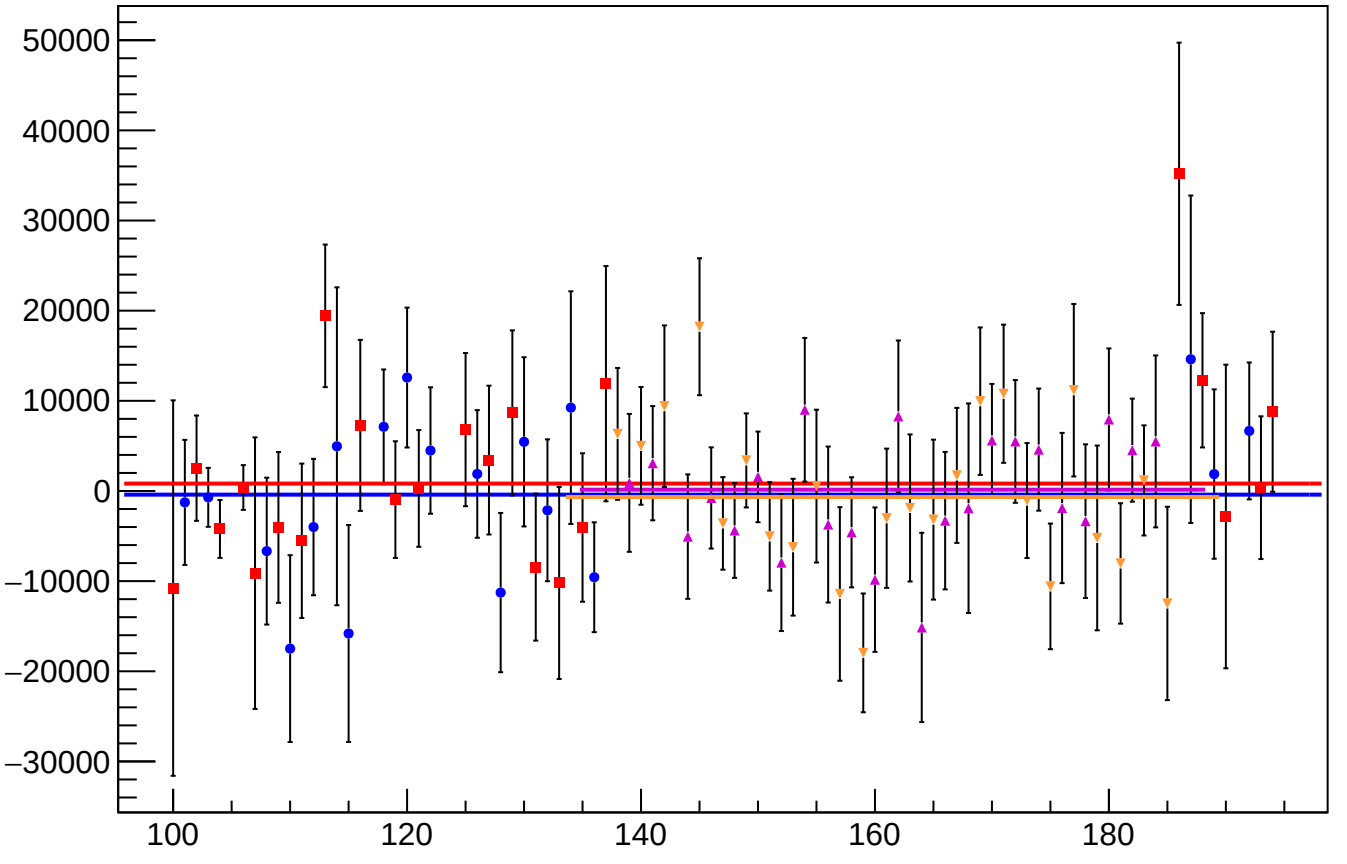
Right Out: 1852.235+/-0.404 χ^2/NDF: 110590.4/22

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1817.353+/-0.246 χ^2/NDF: 323069.2/42

All: 1819.749+/-0.172 χ^2/NDF: 461806.1/88

- sign 1822.029+/-0.240 χ^2/NDF: 138551.6/45



Right In: -406.666+/-1683.110 χ^2/NDF: 16.5/18

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

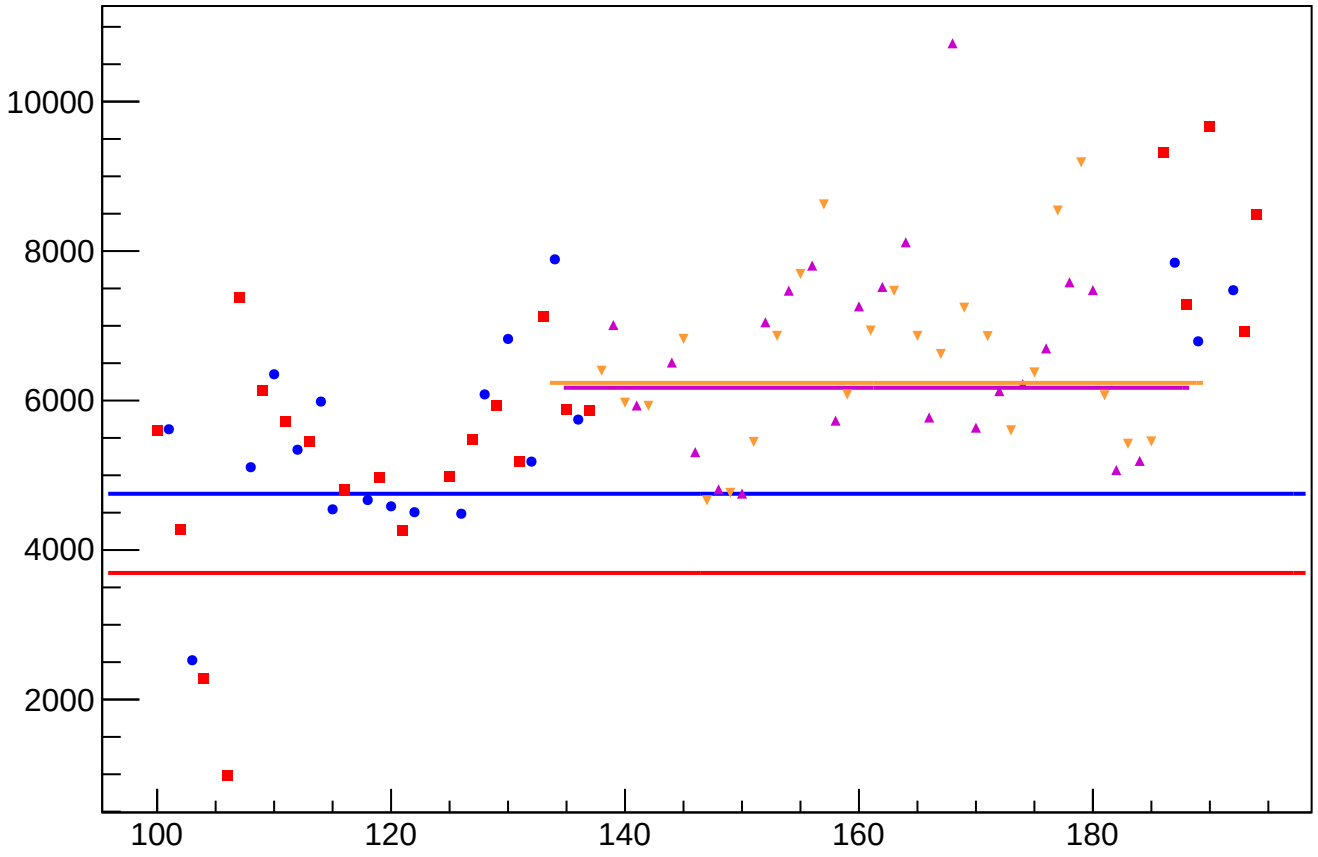
Right Out: 819.862+/-1363.136 χ^2/NDF: 23.9/22

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -553.722+/-1110.919 χ^2/NDF: 46.3/42

All: 32.486+/-743.220 χ^2/NDF: 84.3/88

- sign 507.440+/-999.960 χ^2/NDF: 37.5/45



Right In: 4752.844+/-1.190 χ^2/NDF: 1770085.7/18

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 3693.654+/-0.964 χ^2/NDF: 6096663.2/22

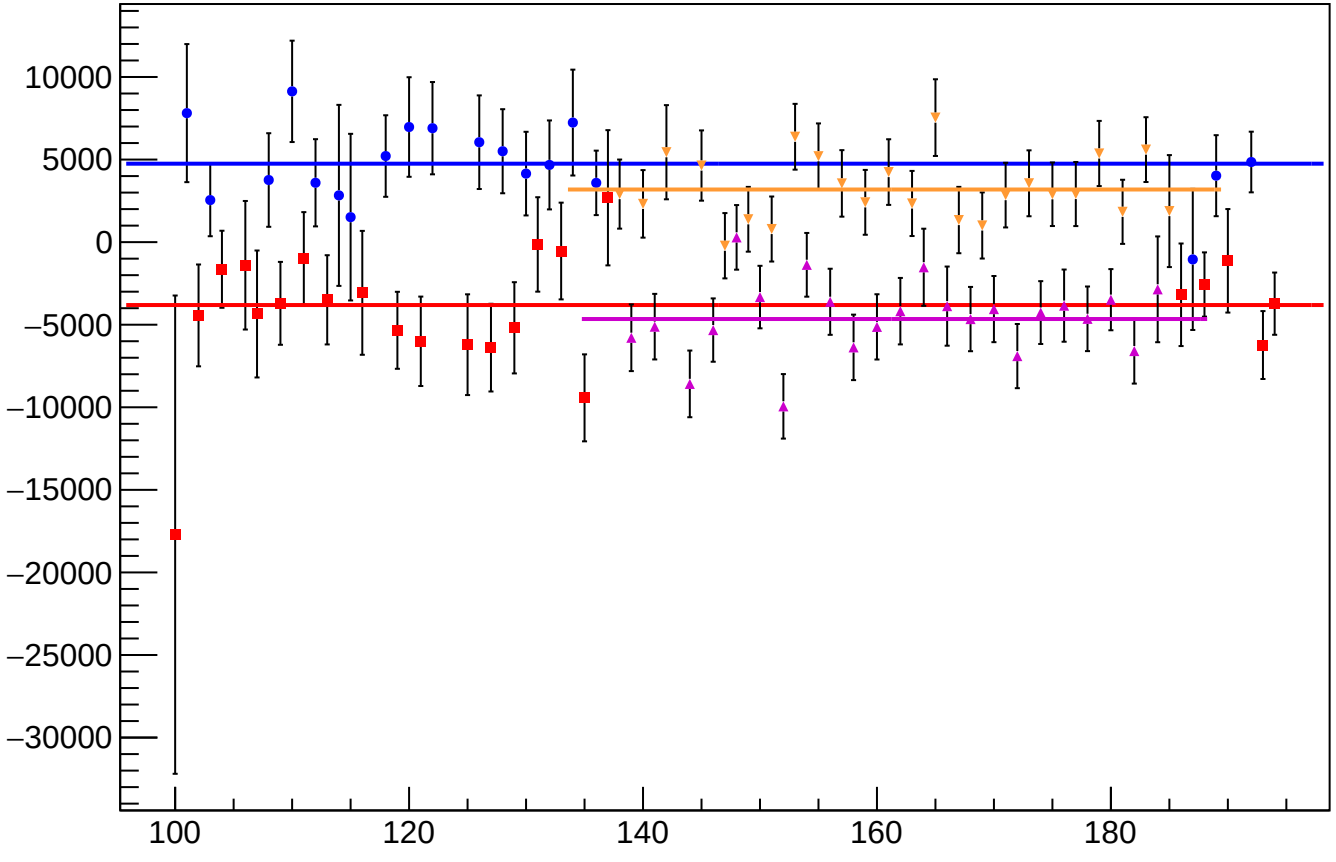
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5590.219+/-0.786 χ^2/NDF: 3714943.6/42

All: 5174.552+/-0.526 χ^2/NDF: 14606529.5/8

- sign 4837.772+/-0.707 χ^2/NDF: 10384726.6/45

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: -3808.804+/-572.245 χ^2/NDF: 18.7/22

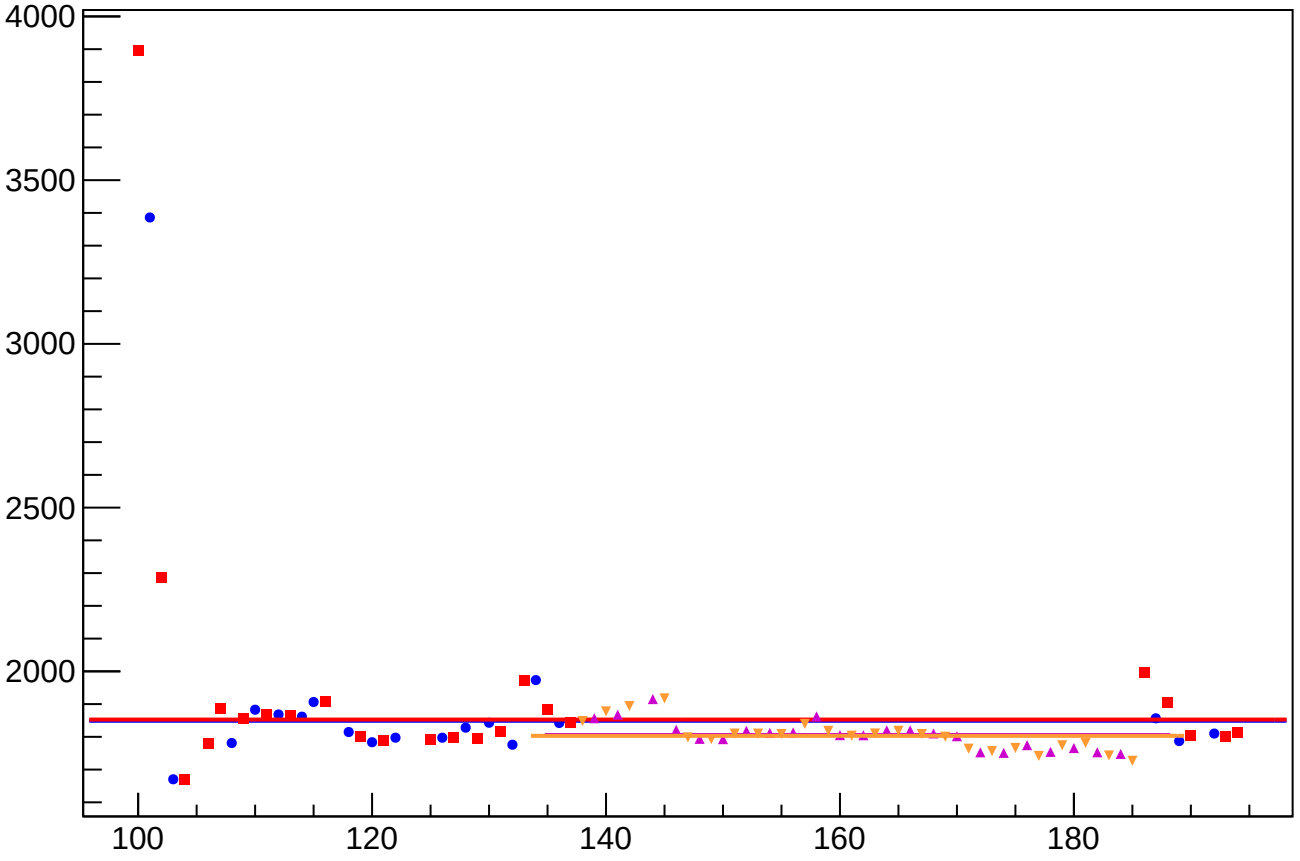
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3671.779+/-347.716 χ^2/NDF: 33.0/42

All: -439.063+/-242.906 χ^2/NDF: 353.9/88

- sign -4357.348+/-339.475 χ^2/NDF: 47.9/45

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

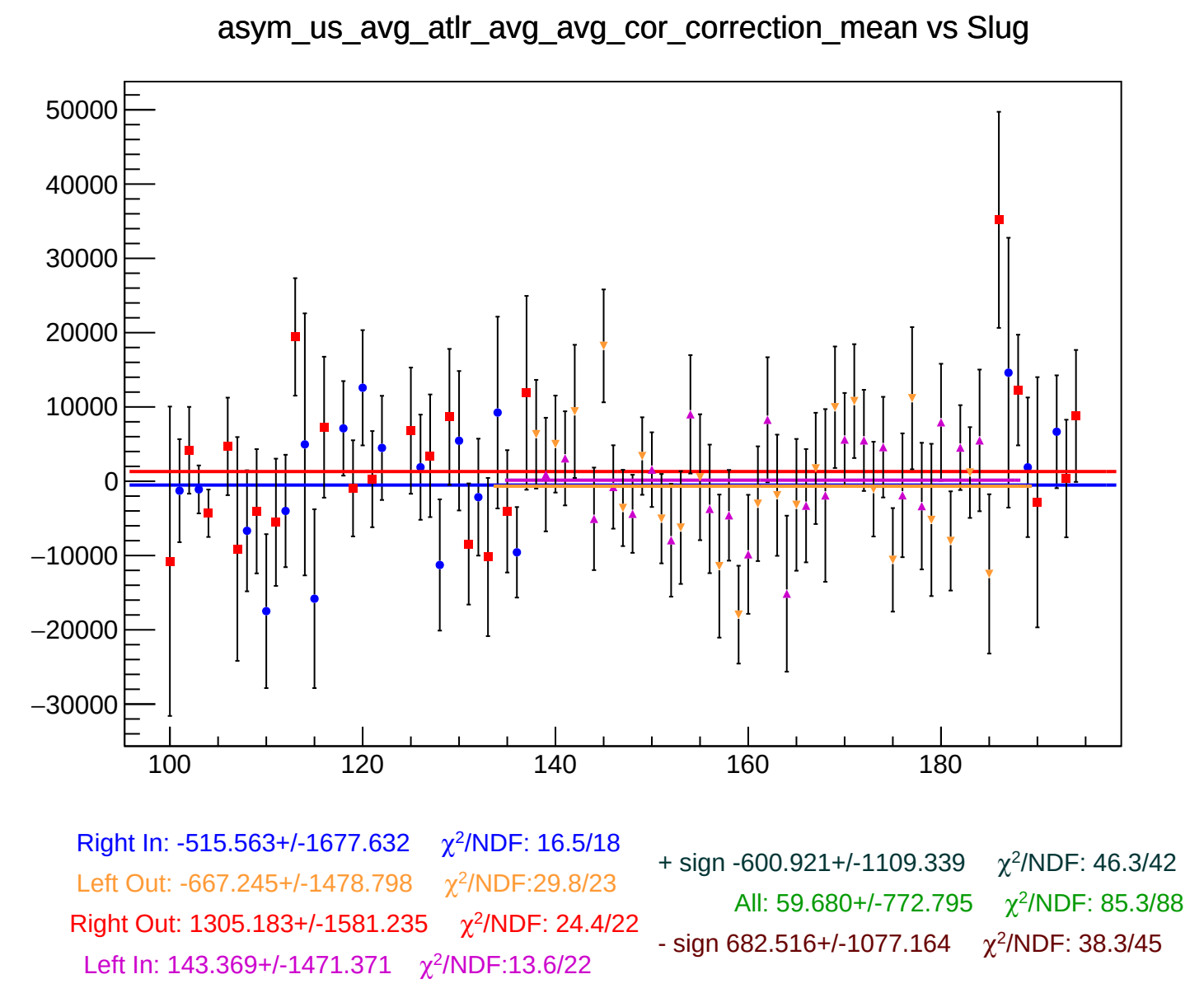
Right Out: 1852.713+/-0.404 χ^2/NDF: 110128.1/22

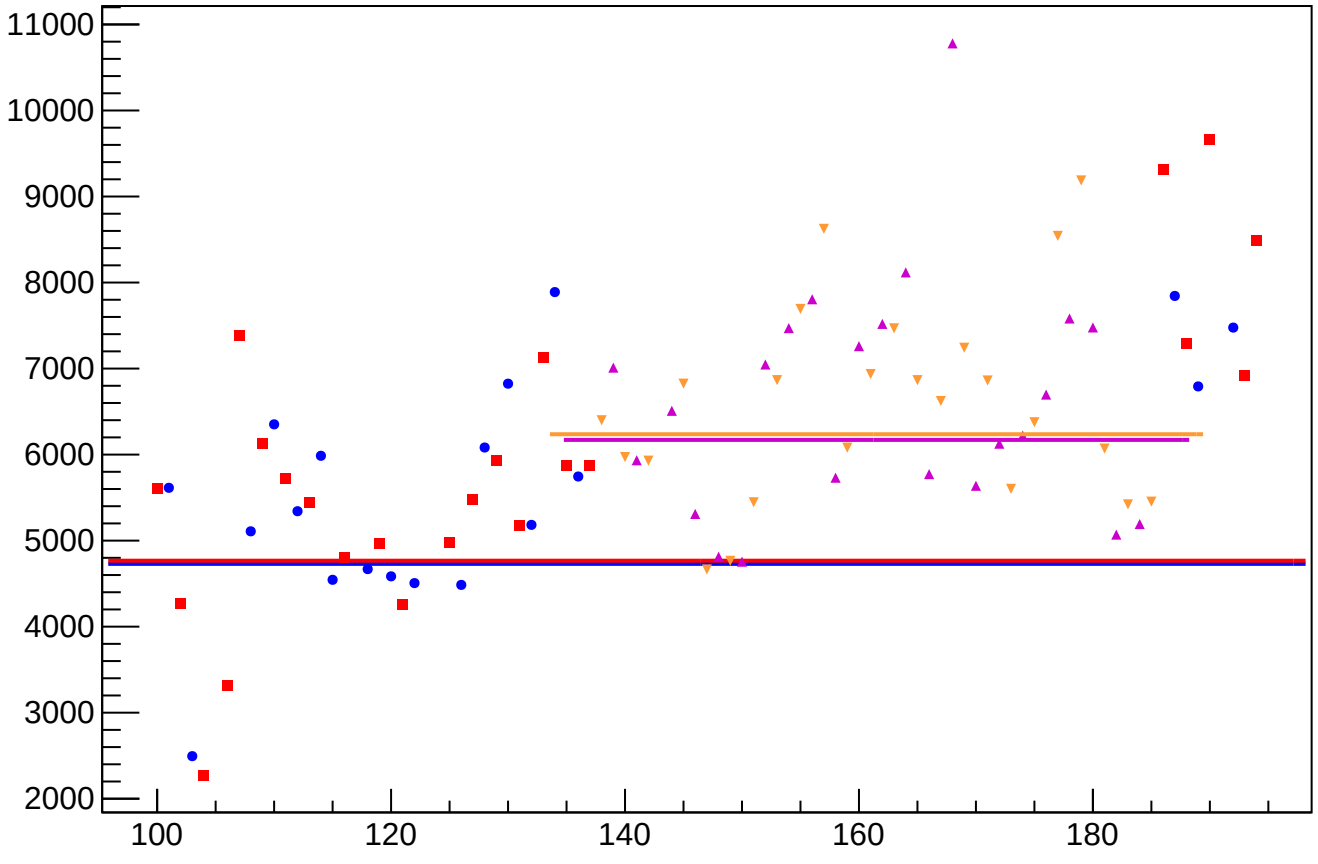
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

\+ sign 1817.353+/-0.246 χ^2/NDF: 323071.1/42

All: 1819.833+/-0.172 χ^2/NDF: 461534.3/88

\- sign 1822.193+/-0.240 χ^2/NDF: 138264.8/45


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
Right In: -515.563+/-1677.632 χ²/NDF: 16.5/18
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 1305.183+/-1581.235 χ²/NDF: 24.4/22
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -600.921+/-1109.339 χ²/NDF: 46.3/42
All: 59.680+/-772.795 χ²/NDF: 85.3/88
- sign 682.516+/-1077.164 χ²/NDF: 38.3/45



Right In: 4730.038+/-1.186 χ^2/NDF: 1818972.0/18

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

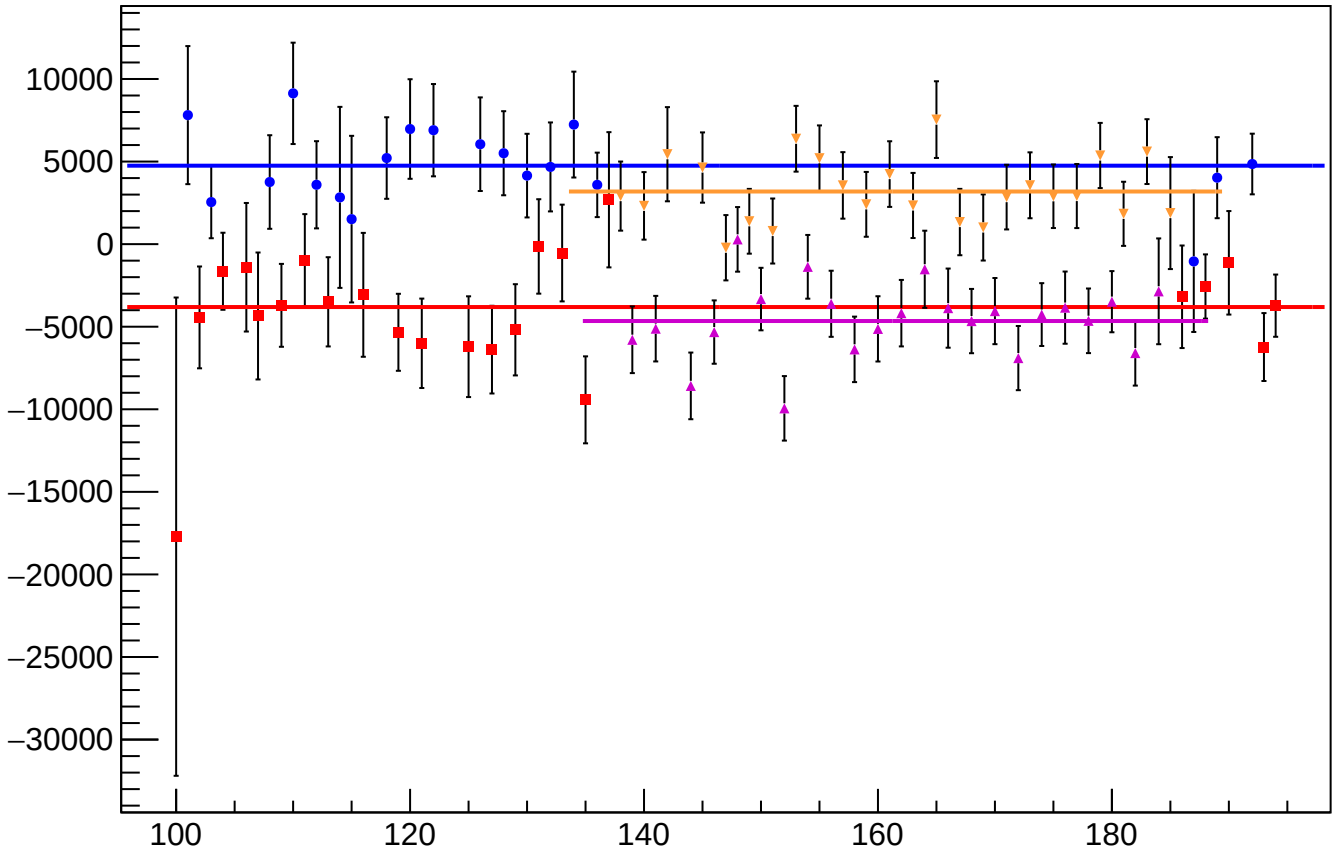
Right Out: 4766.669+/-1.118 χ^2/NDF: 2802342.1/22

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5577.867+/-0.784 χ^2/NDF: 3794335.7/42

All: 5547.670+/-0.546 χ^2/NDF: 8682331.2/88

- sign 5519.199+/-0.762 χ^2/NDF: 4885116.3/45



Right In: 4750.385+/-624.458 χ^2/NDF: 8.8/18

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3808.804+/-572.245 χ^2/NDF: 18.7/22

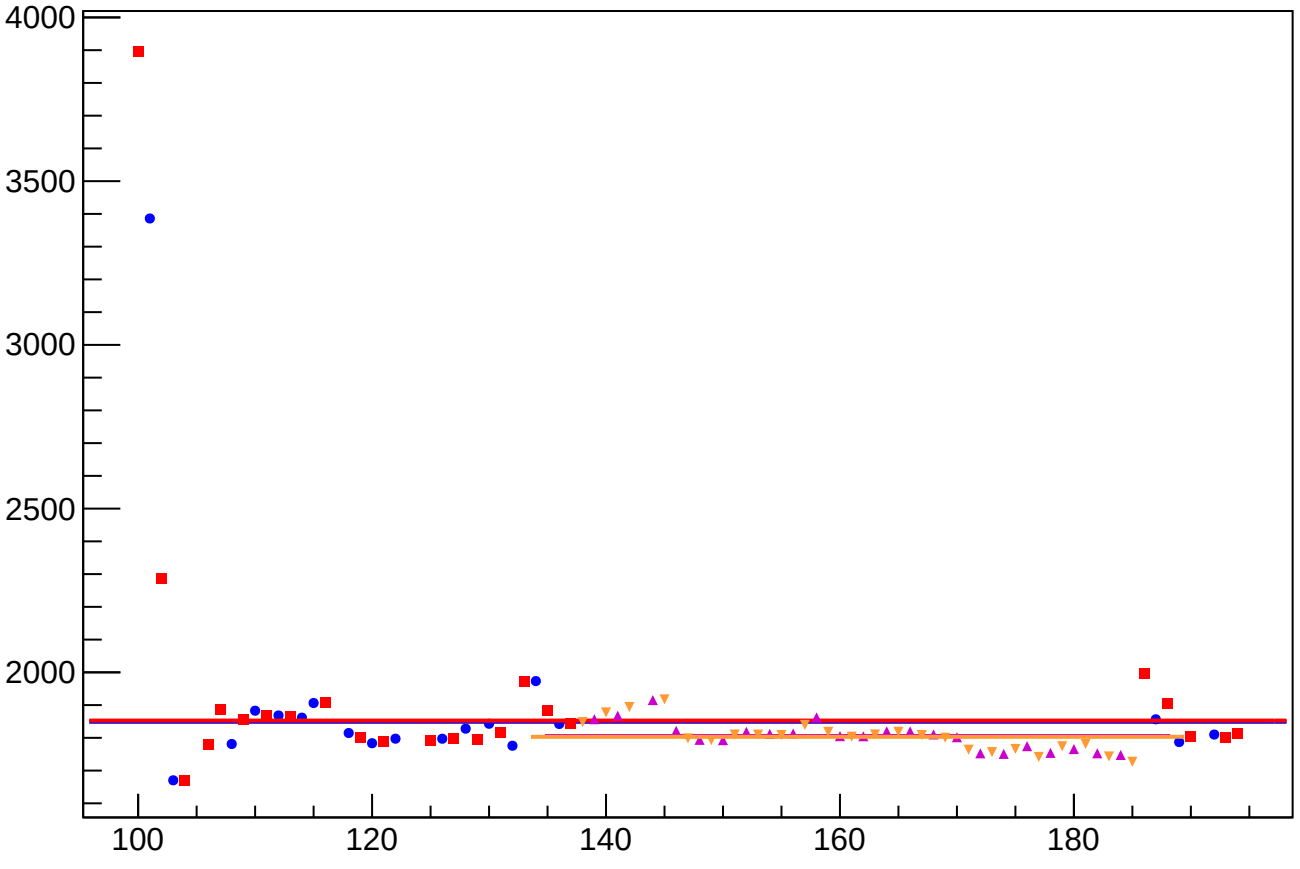
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3671.779+/-347.716 χ^2/NDF: 33.0/42

All: -439.063+/-242.906 χ^2/NDF: 353.9/88

- sign -4357.348+/-339.475 χ^2/NDF: 47.9/45

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

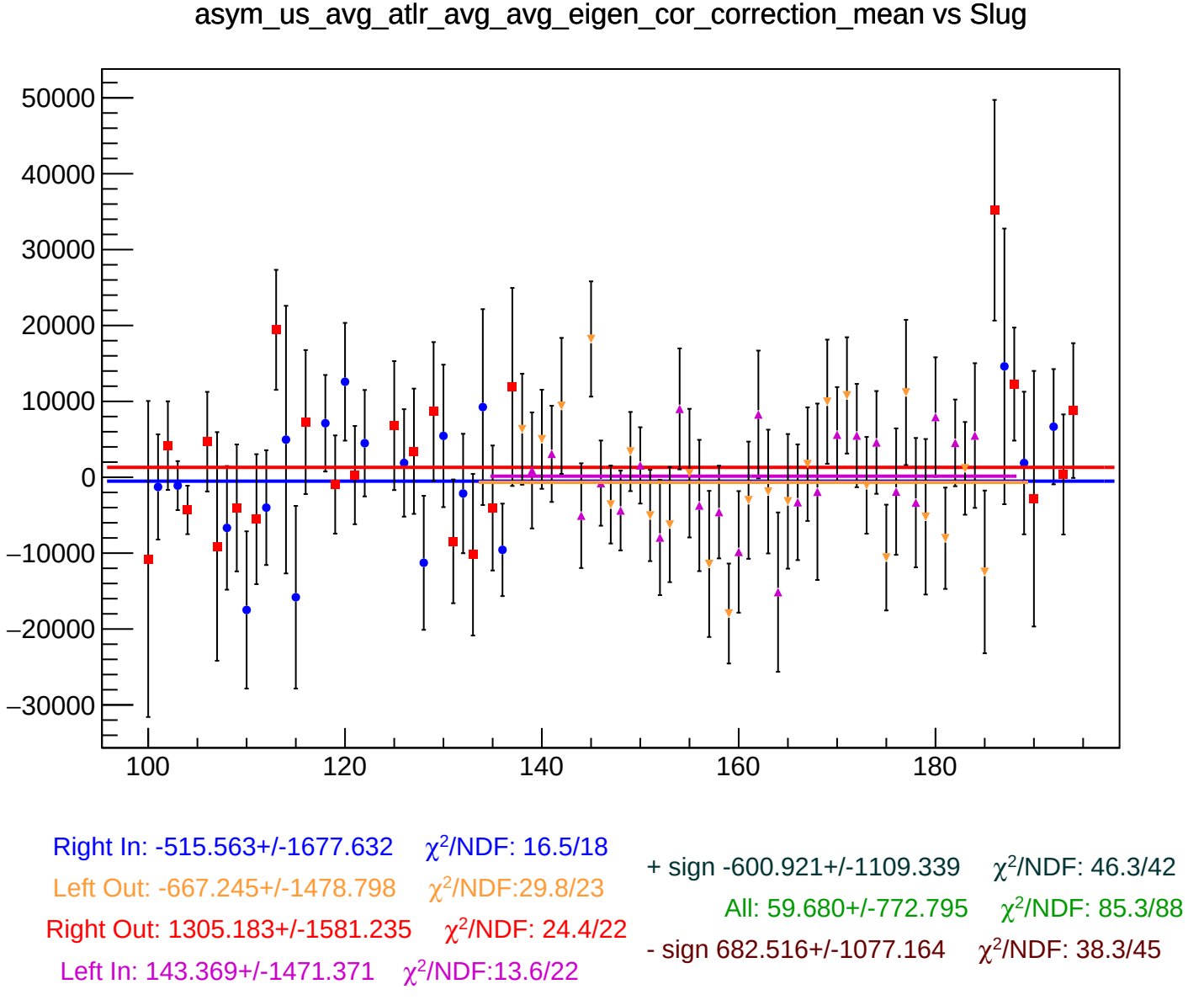
Right Out: 1852.713+/-0.404 χ^2/NDF: 110128.1/22

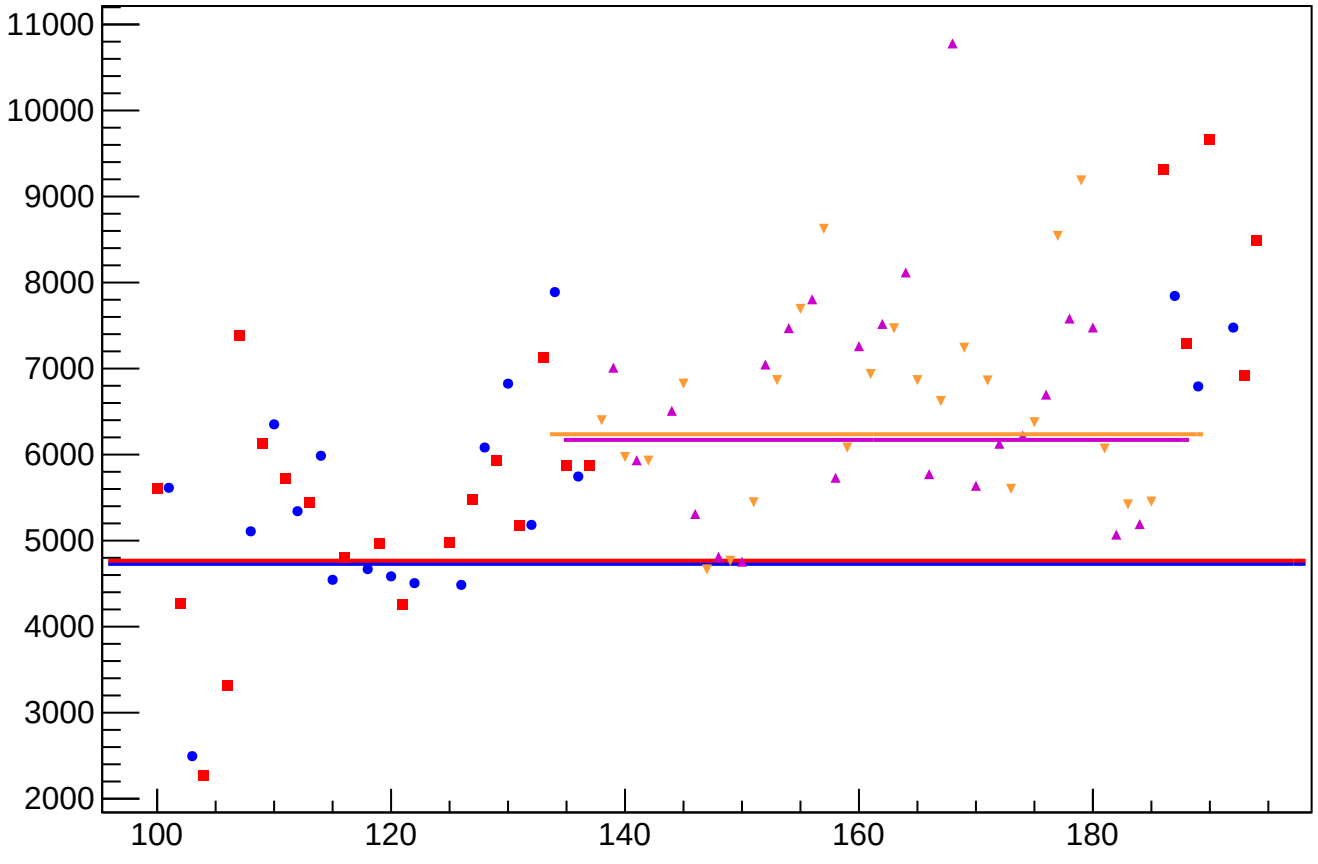
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

\+ sign 1817.353+/-0.246 χ^2/NDF: 323071.1/42

All: 1819.833+/-0.172 χ^2/NDF: 461534.3/88

\- sign 1822.193+/-0.240 χ^2/NDF: 138264.8/45


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
Right In: -515.563+/-1677.632 χ²/NDF: 16.5/18
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 1305.183+/-1581.235 χ²/NDF: 24.4/22
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -600.921+/-1109.339 χ²/NDF: 46.3/42
All: 59.680+/-772.795 χ²/NDF: 85.3/88
- sign 682.516+/-1077.164 χ²/NDF: 38.3/45



Right In: 4730.038+/-1.186 χ^2/NDF: 1818972.0/18

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4766.669+/-1.118 χ^2/NDF: 2802342.1/22

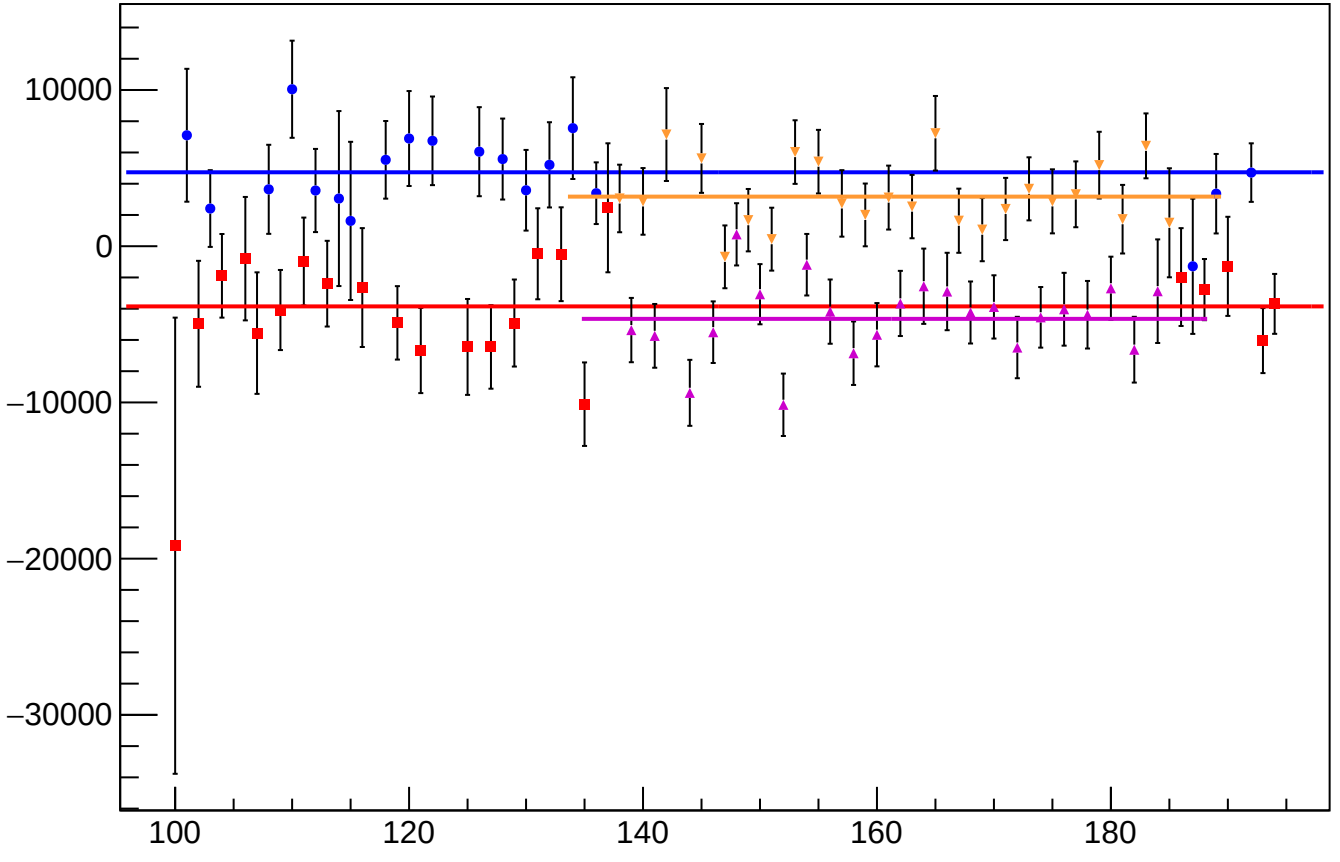
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5577.867+/-0.784 χ^2/NDF: 3794335.7/42

All: 5547.670+/-0.546 χ^2/NDF: 8682331.2/88

- sign 5519.199+/-0.762 χ^2/NDF: 4885116.3/45

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: -3852.273+/-587.277 χ^2/NDF: 19.8/22

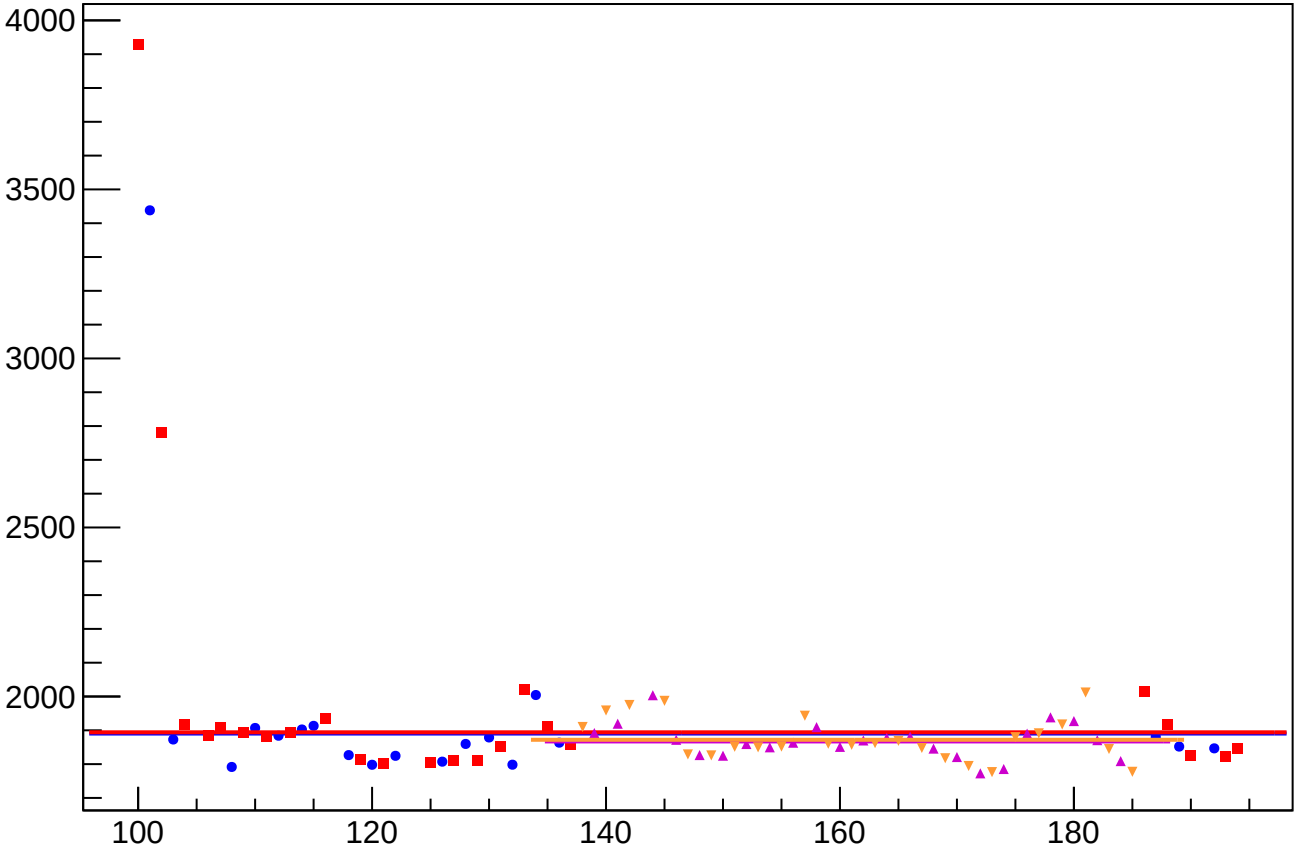
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3668.323+/-359.370 χ^2/NDF: 35.7/42

All: -453.303+/-250.799 χ^2/NDF: 343.7/88

- sign -4366.678+/-350.174 χ^2/NDF: 51.6/45

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

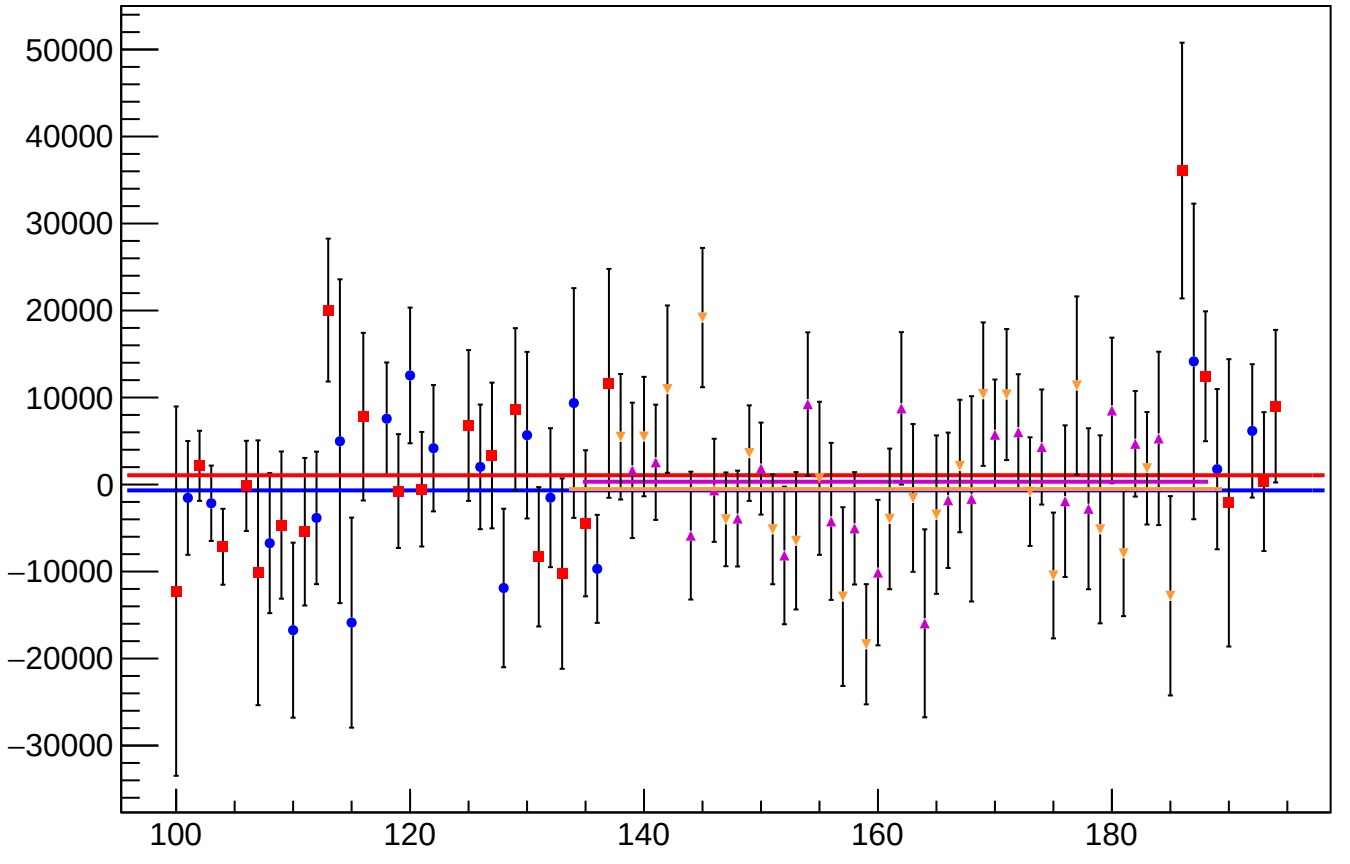
Right Out: 1894.122+/-0.415 χ^2/NDF: 158353.1/22

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1877.829+/-0.254 χ^2/NDF: 318673.6/42

All: 1877.251+/-0.177 χ^2/NDF: 507019.1/88

- sign 1876.703+/-0.248 χ^2/NDF: 188335.4/45



Right In: -673.176+/-1795.994 χ^2/NDF: 16.4/18

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

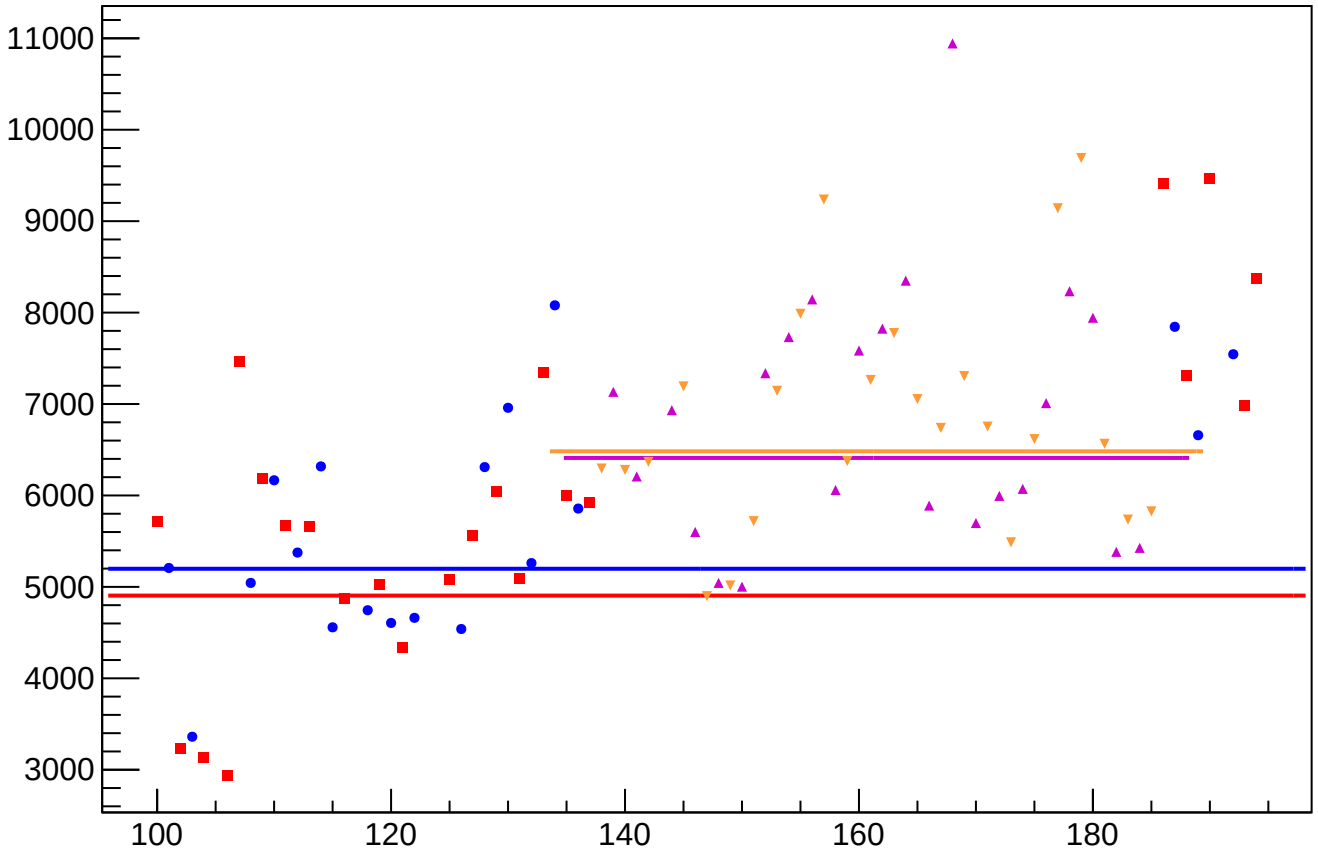
Right Out: 1068.123+/-1589.383 χ^2/NDF: 25.2/22

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -584.898+/-1167.661 χ^2/NDF: 45.6/42

All: 85.309+/-801.254 χ^2/NDF: 84.9/88

- sign 681.739+/-1101.519 χ^2/NDF: 38.7/45



Right In: 5198.271+/-1.270 χ^2/NDF: 938042.2/18

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

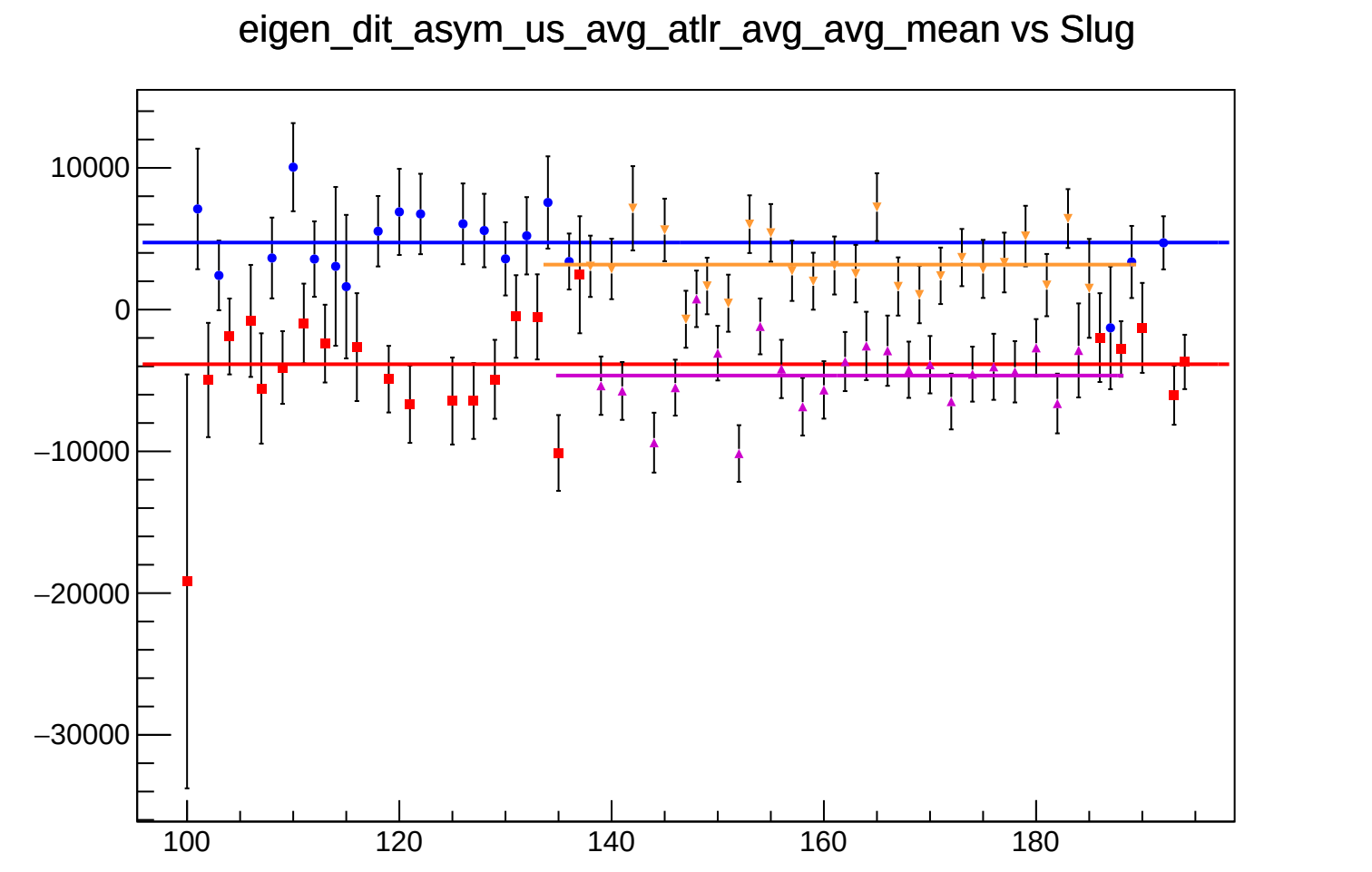
Right Out: 4904.696+/-1.124 χ^2/NDF: 2303246.2/22

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 5939.800+/-0.826 χ^2/NDF: 2603192.9/42

All: 5806.142+/-0.567 χ^2/NDF: 7108624.9/88

- sign 5687.197+/-0.779 χ^2/NDF: 4455906.5/45



Right In: 4732.613+/-638.368 χ^2/NDF: 10.0/18

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -3852.271+/-587.277 χ^2/NDF: 19.8/22

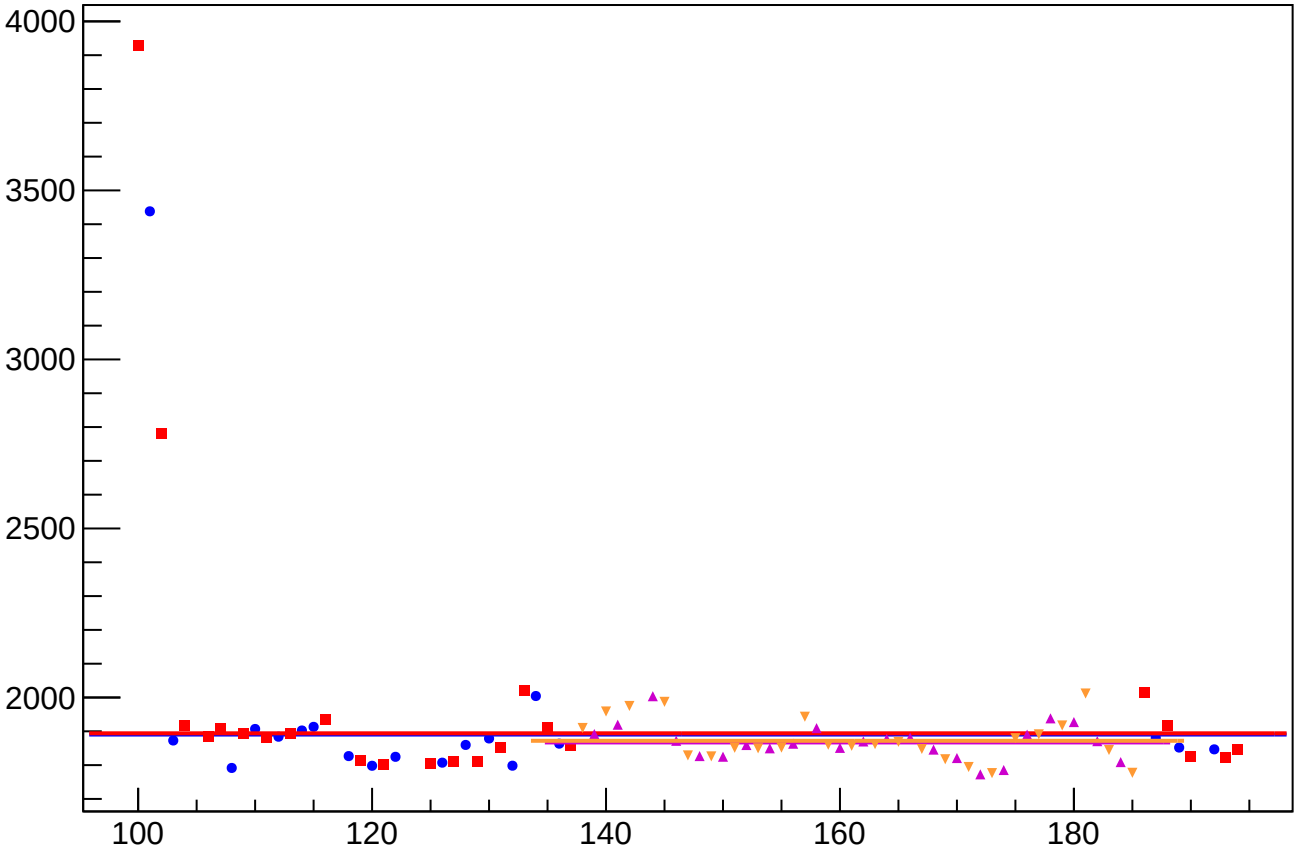
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3668.319+/-359.370 χ^2/NDF: 35.7/42

All: -453.305+/-250.799 χ^2/NDF: 343.7/88

- sign -4366.678+/-350.174 χ^2/NDF: 51.6/45

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

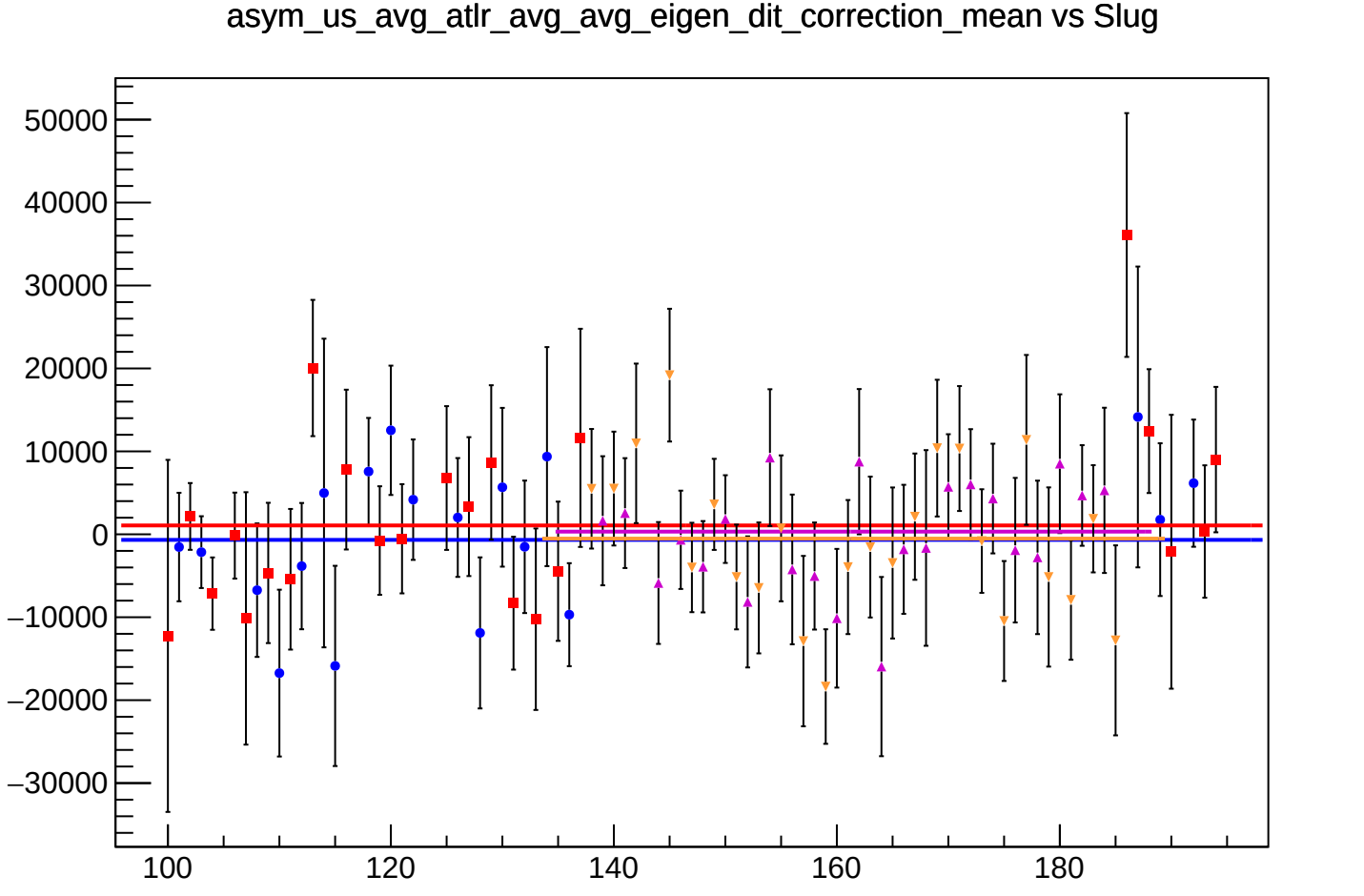
Right Out: 1894.122+/-0.415 χ^2/NDF: 158352.2/22

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1877.830+/-0.254 χ^2/NDF: 318674.7/42

All: 1877.252+/-0.177 χ^2/NDF: 507020.1/88

- sign 1876.703+/-0.248 χ^2/NDF: 188335.3/45



Right In: -673.169+/-1795.990 χ^2/NDF: 16.4/18

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

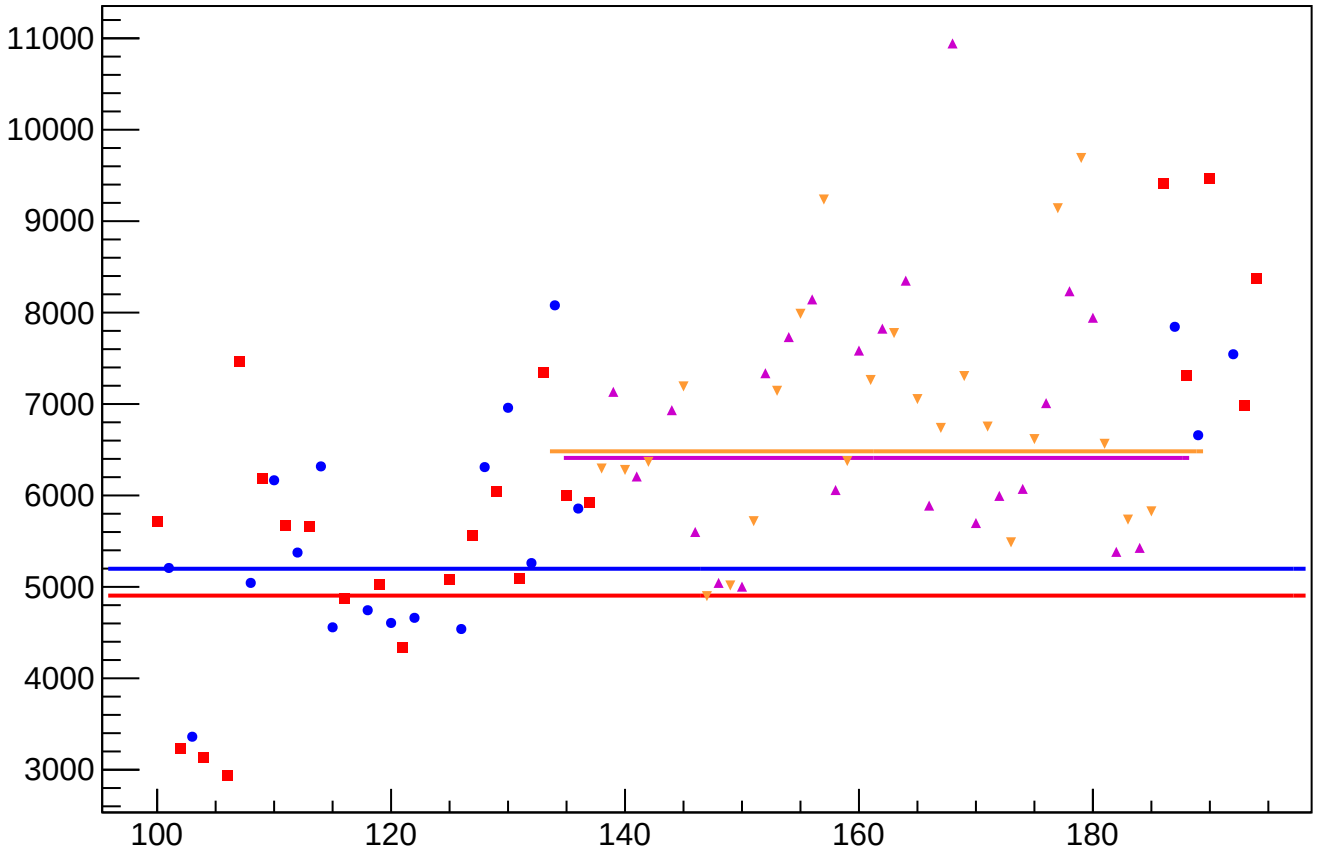
Right Out: 1068.116+/-1589.380 χ^2/NDF: 25.2/22

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -584.899+/-1167.661 χ^2/NDF: 45.6/42

All: 85.308+/-801.254 χ^2/NDF: 84.9/88

- sign 681.737+/-1101.519 χ^2/NDF: 38.7/45



Right In: 5198.259+/-1.270 χ^2/NDF: 938049.7/18

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 4904.685+/-1.124 χ^2/NDF: 2303255.6/22

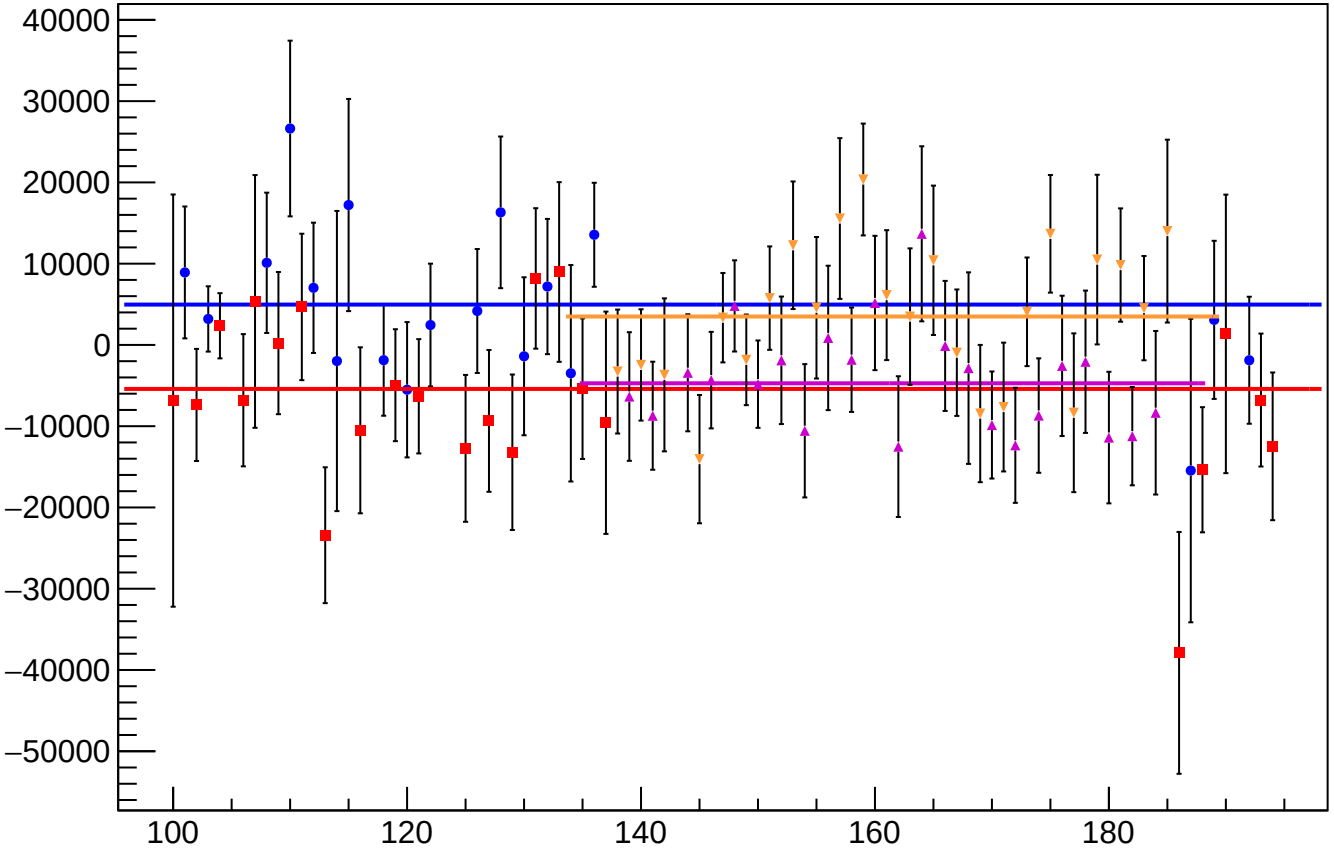
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 5939.798+/-0.826 χ^2/NDF: 2603224.6/42

All: 5806.139+/-0.567 χ^2/NDF: 7108697.0/88

- sign 5687.194+/-0.779 χ^2/NDF: 4455946.3/45

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: -5415.003+/-1759.696 χ^2/NDF: 23.9/22

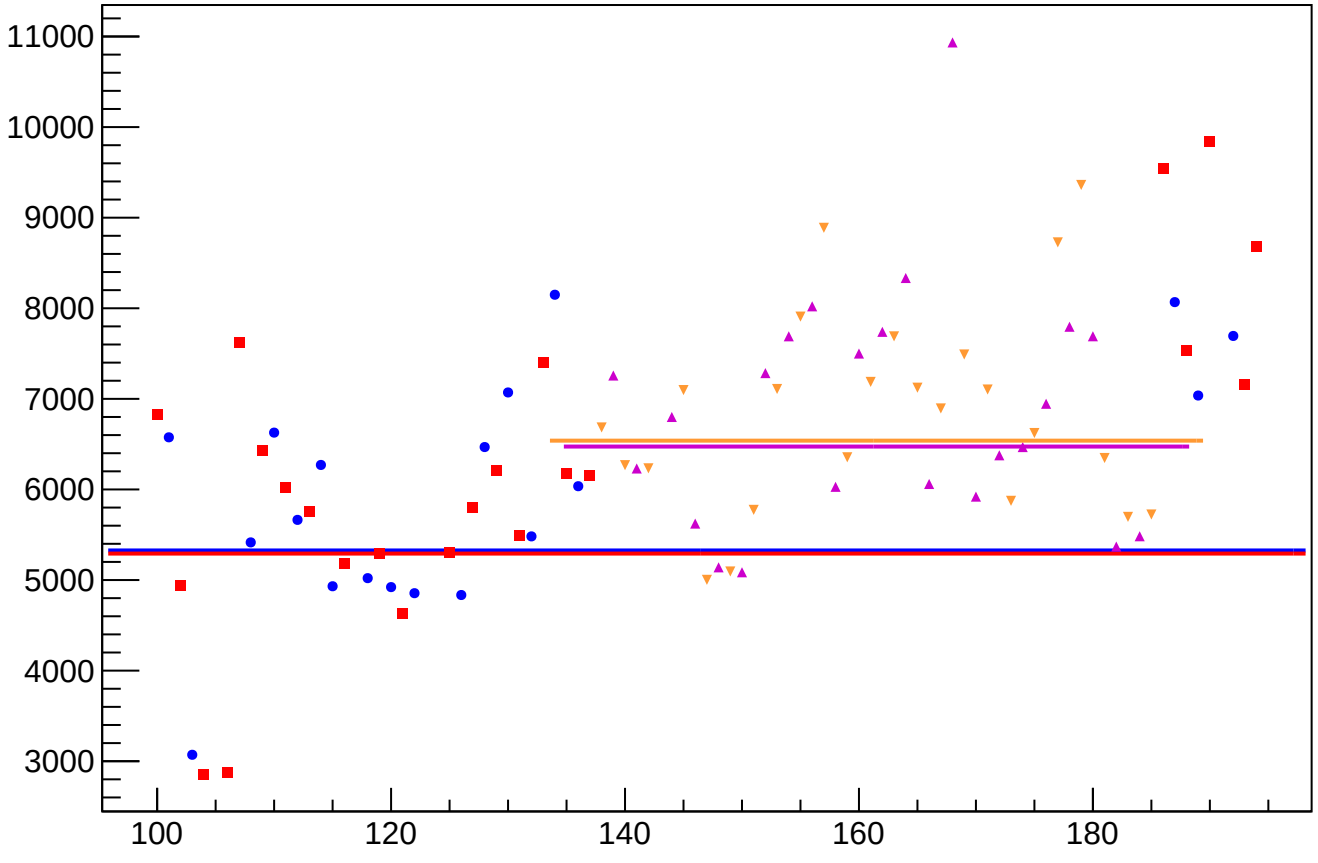
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4098.596+/-1187.781 χ^2/NDF: 42.6/42

All: -574.867+/-829.353 χ^2/NDF: 111.1/88

- sign -5020.986+/-1158.530 χ^2/NDF: 38.3/45

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

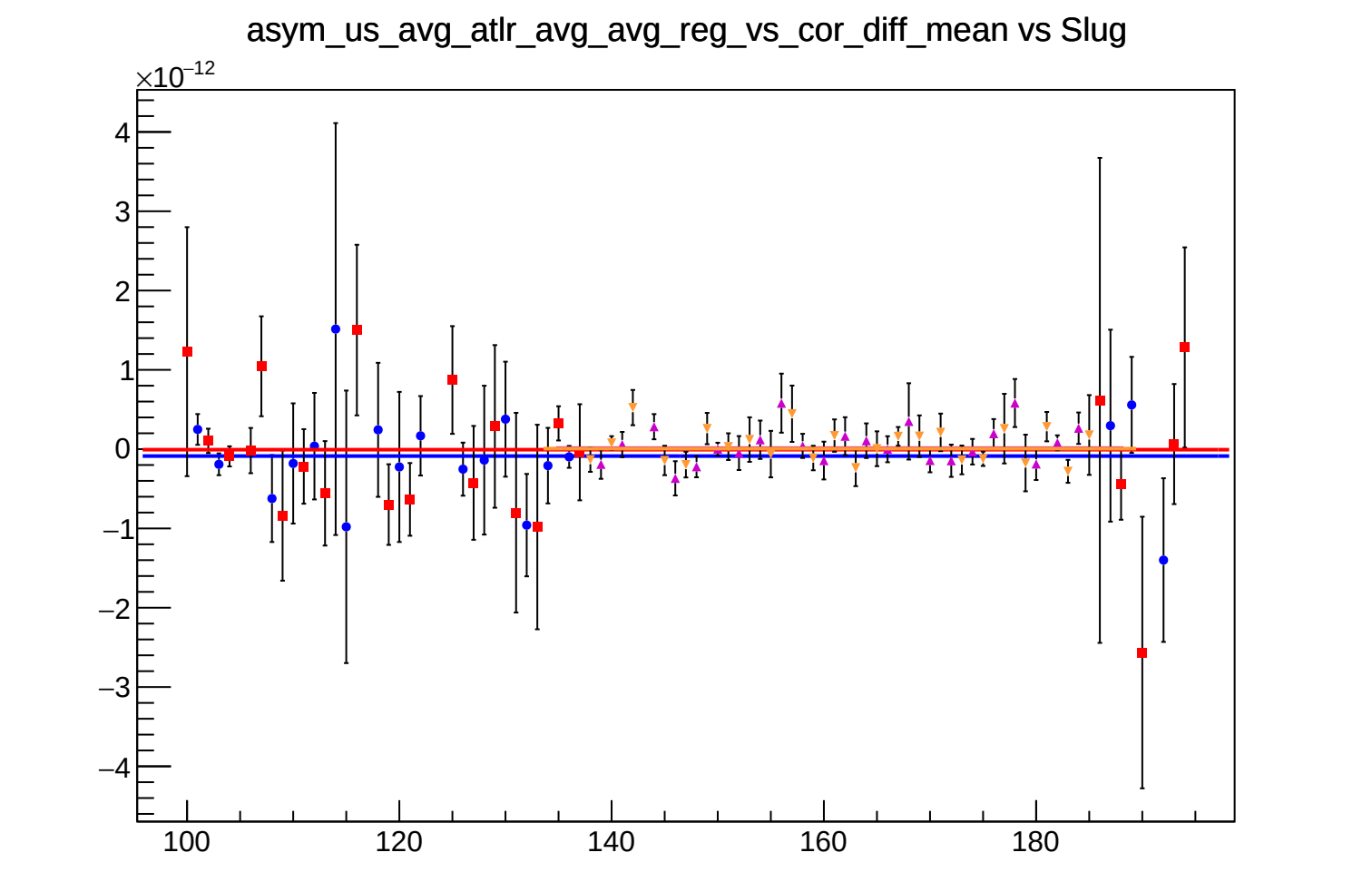
Right Out: 5292.086+/-1.223 χ^2/NDF: 2160292.5/22

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6042.196+/-0.840 χ^2/NDF: 2664264.5/42

All: 5995.347+/-0.584 χ^2/NDF: 6422999.7/88

- sign 5951.440+/-0.813 χ^2/NDF: 3752707.7/45



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

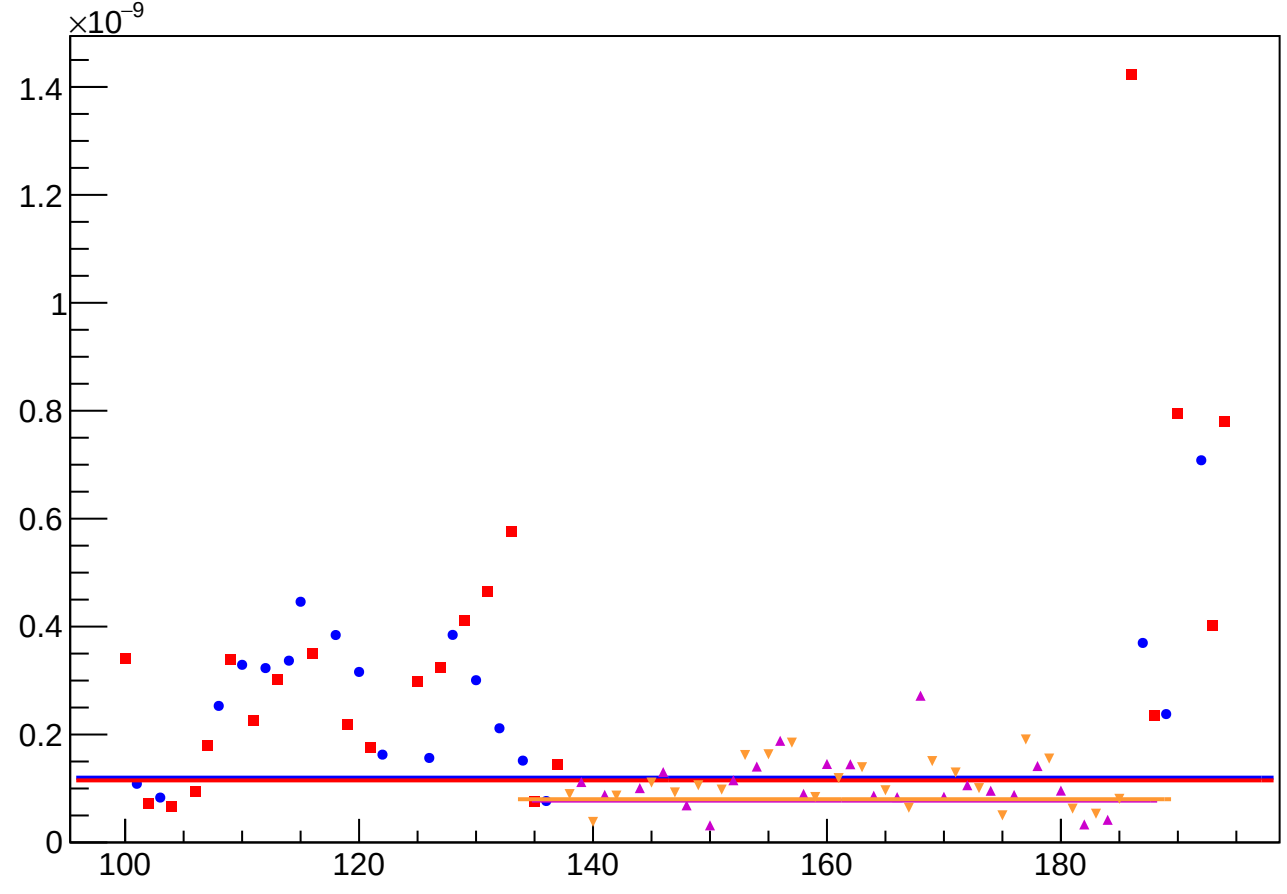
Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/22

Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.5/42

All: 0.000+/-0.000 χ^2/NDF: 85.3/88

- sign 0.000+/-0.000 χ^2/NDF: 45.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 2348614.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

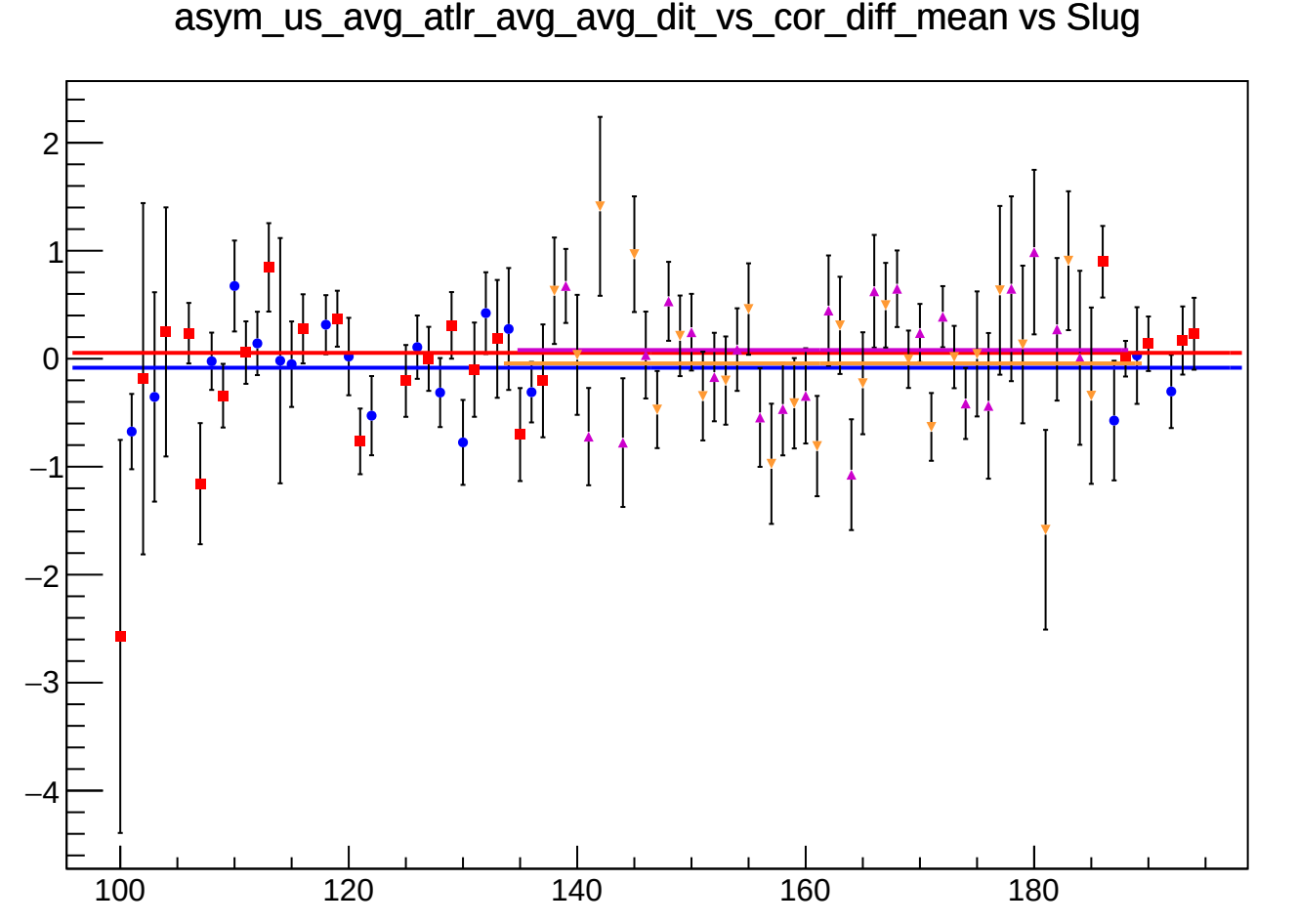
Right Out: 0.000+/-0.000 χ^2/NDF: 3792019.6/22

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4949713.7/42

All: 0.000+/-0.000 χ^2/NDF: 11801868.9/88

- sign 0.000+/-0.000 χ^2/NDF: 6843140.5/45



Right In: -0.084+/-0.083 χ^2/NDF: 18.6/18

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

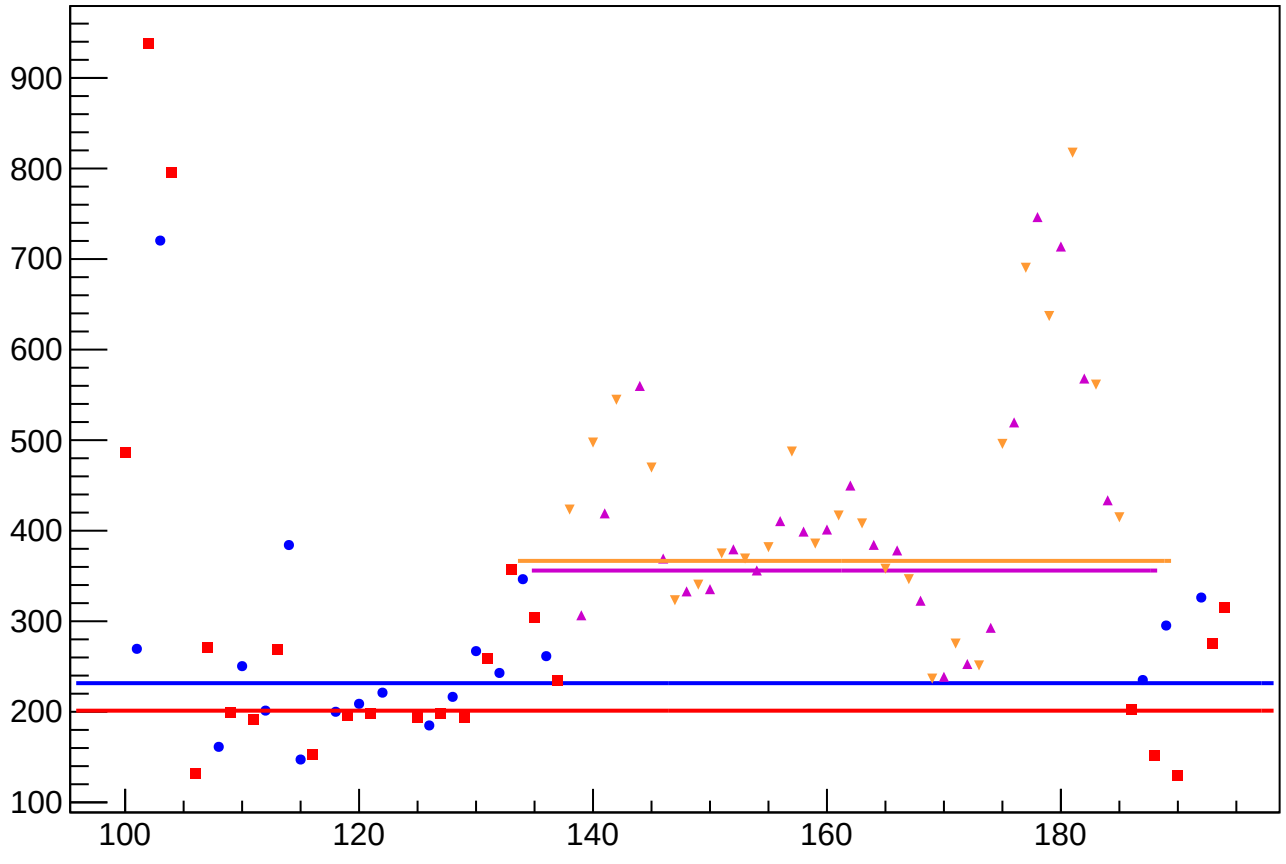
Right Out: 0.054+/-0.069 χ^2/NDF: 34.0/22

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.065+/-0.061 χ^2/NDF: 49.7/42

All: 0.007+/-0.041 χ^2/NDF: 116.6/88

- sign 0.064+/-0.054 χ^2/NDF: 64.3/45



Right In: 231.626+/-0.059 χ^2/NDF: 1235881.3/18

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

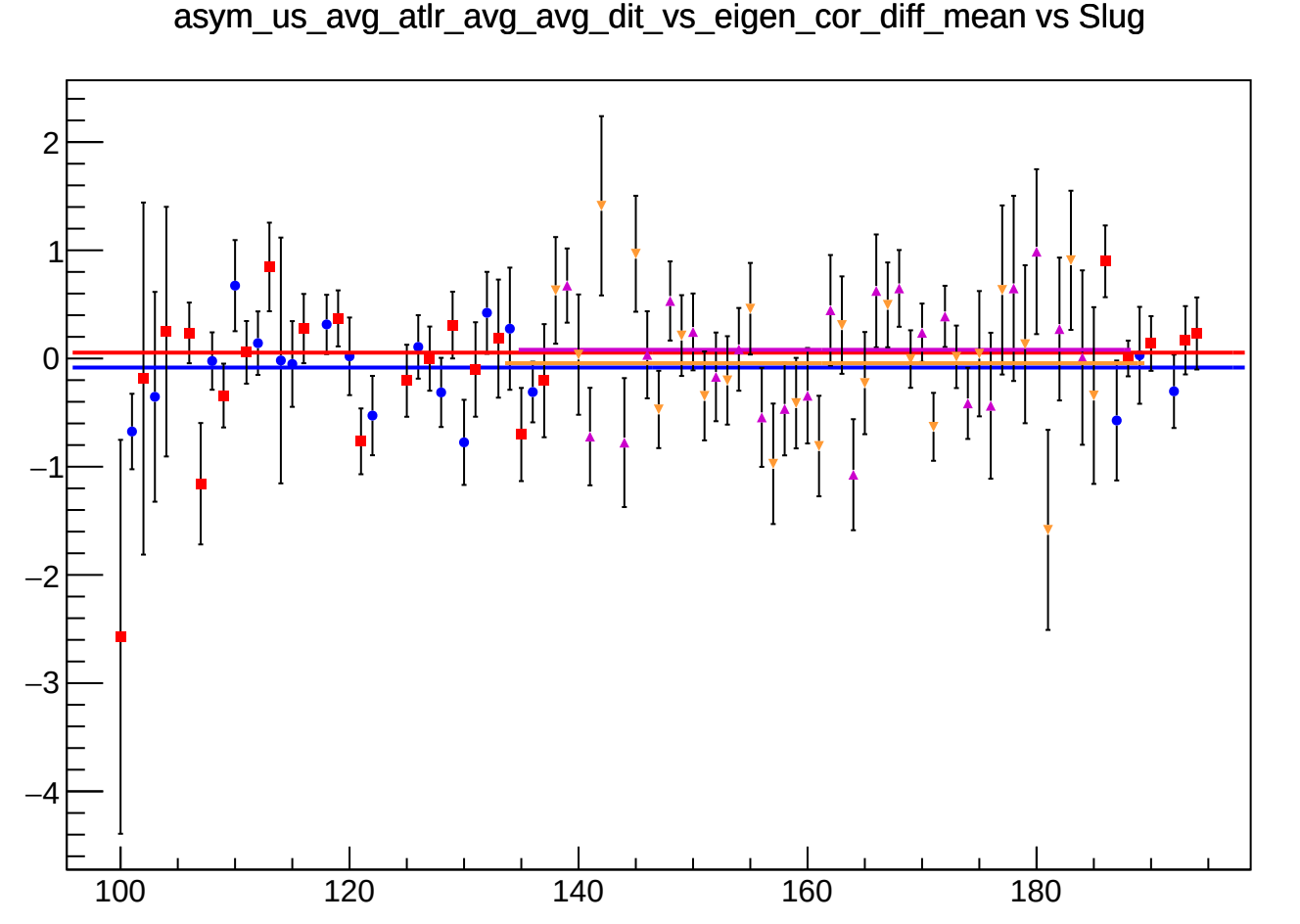
Right Out: 201.249+/-0.049 χ^2/NDF: 2253138.3/22

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 293.582+/-0.043 χ^2/NDF: 6489525.9/42

All: 274.791+/-0.029 χ^2/NDF: 15350142.5/88

- sign 260.120+/-0.038 χ^2/NDF: 8525621.1/45



Right In: -0.084+/-0.083 χ^2/NDF: 18.6/18

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

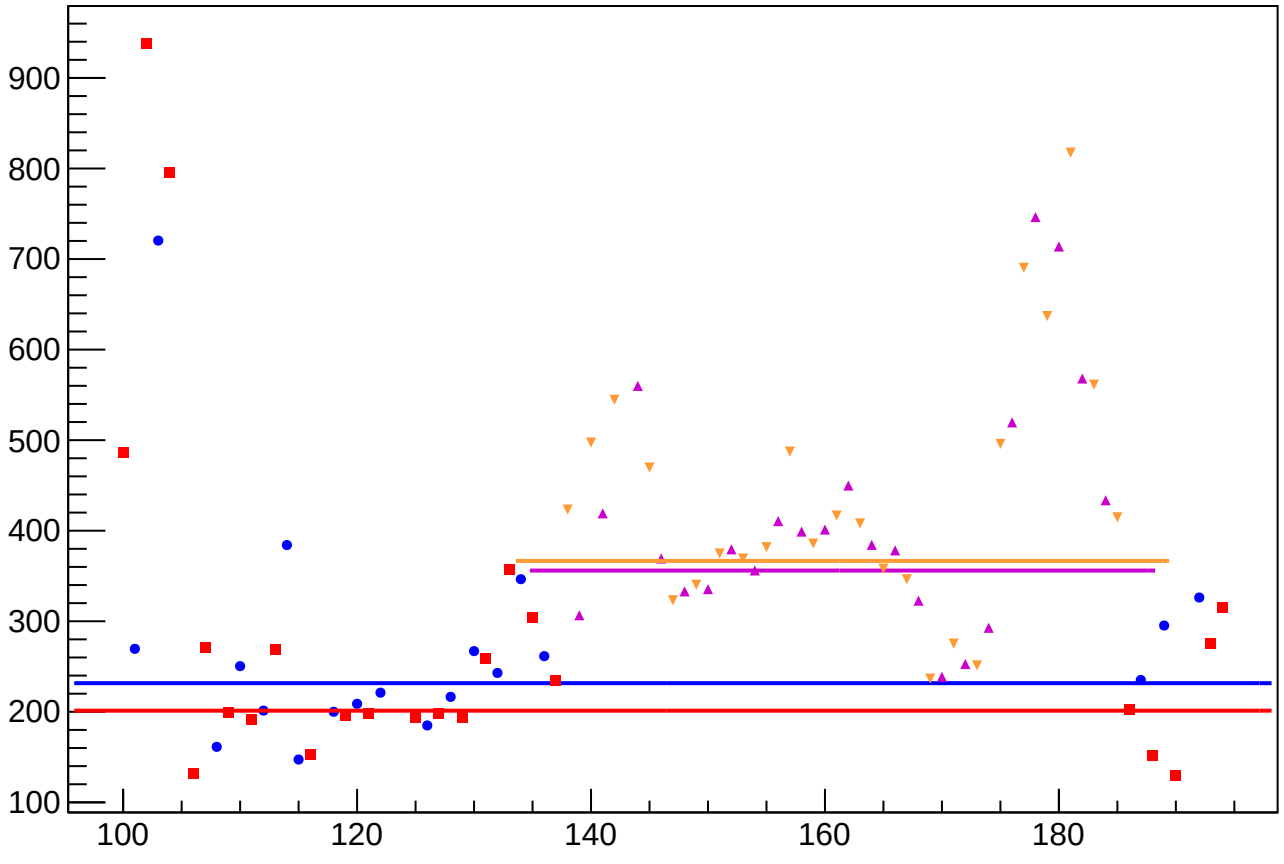
Right Out: 0.054+/-0.069 χ^2/NDF: 34.0/22

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.065+/-0.061 χ^2/NDF: 49.7/42

All: 0.007+/-0.041 χ^2/NDF: 116.6/88

- sign 0.064+/-0.054 χ^2/NDF: 64.3/45



Right In: 231.626+/-0.059 χ^2/NDF: 1235881.3/18

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

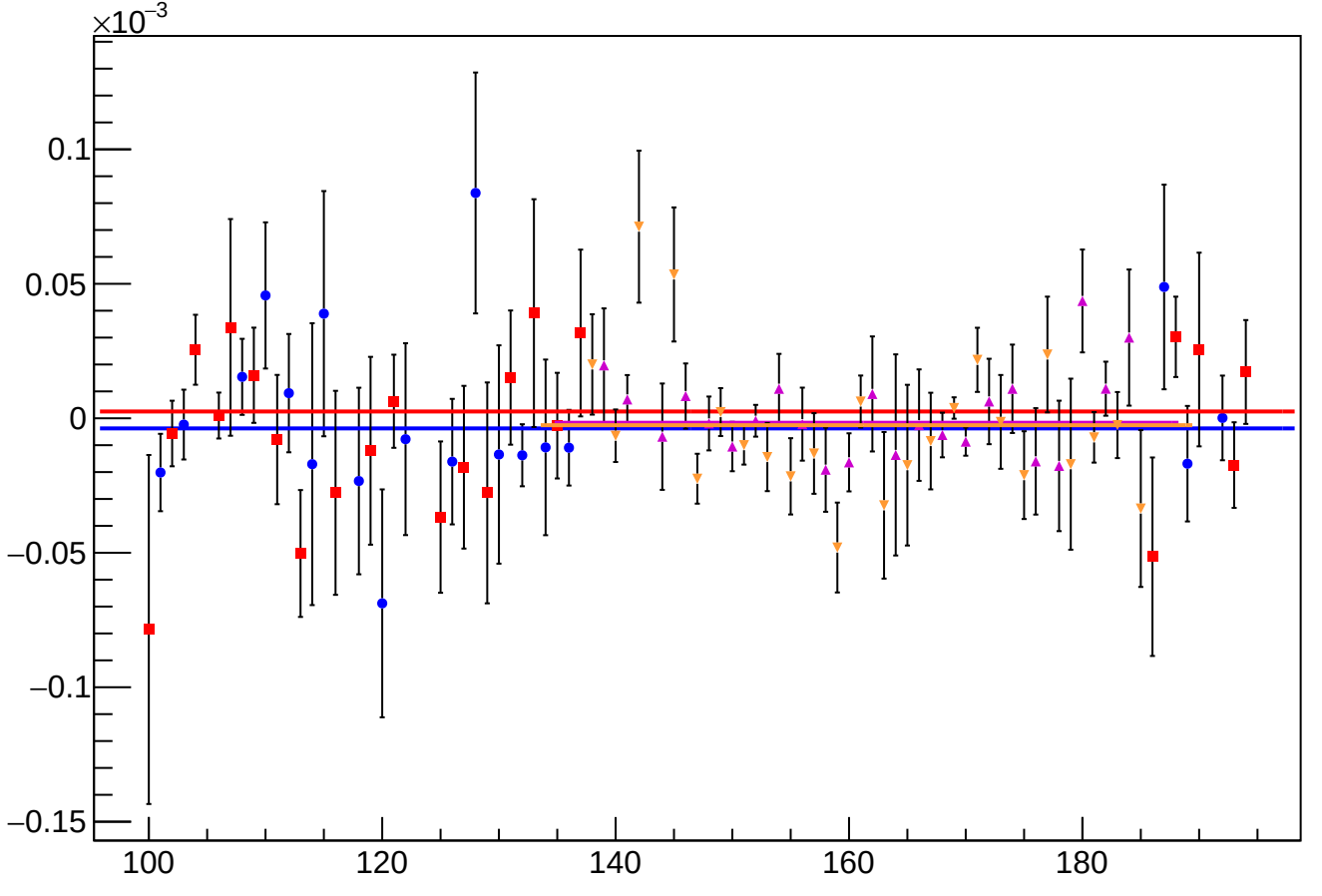
Right Out: 201.249+/-0.049 χ^2/NDF: 2253138.3/22

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 293.582+/-0.043 χ^2/NDF: 6489525.9/42

All: 274.791+/-0.029 χ^2/NDF: 15350142.5/88

- sign 260.120+/-0.038 χ^2/NDF: 8525621.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

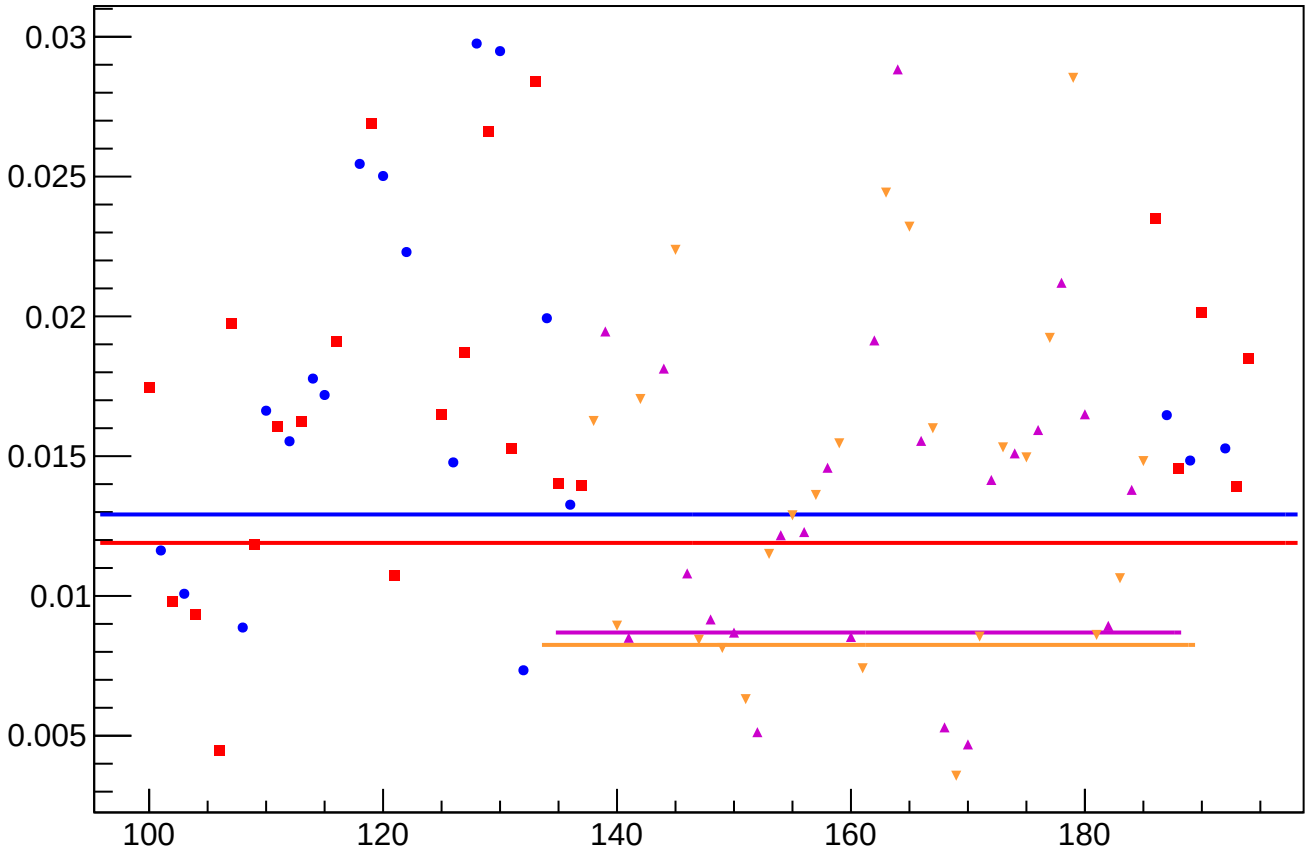
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/22

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.6/42

All: -0.000+/-0.000 χ^2/NDF: 109.1/88

- sign -0.000+/-0.000 χ^2/NDF: 47.0/45



Right In: 0.013+/-0.000 χ^2/NDF: 2207159.4/18

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

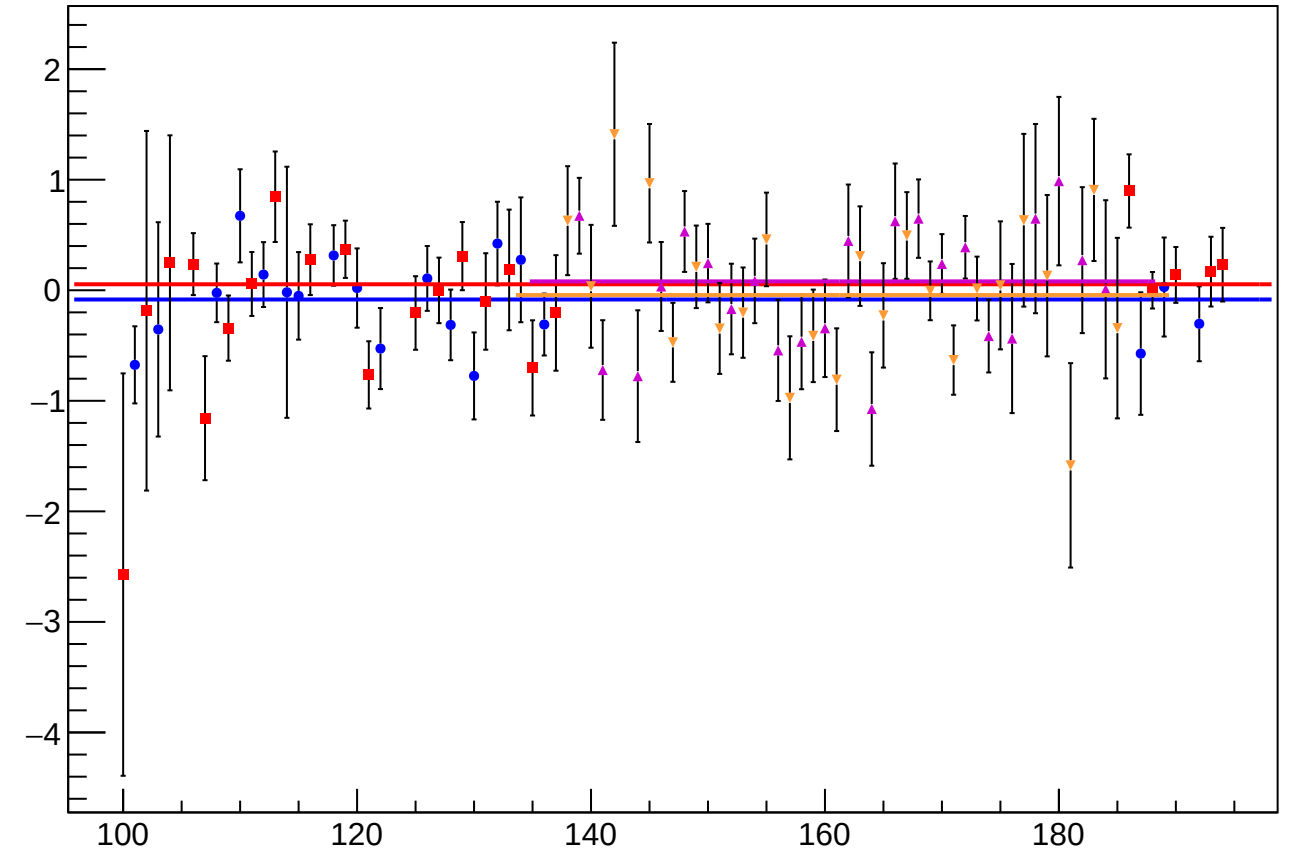
Right Out: 0.012+/-0.000 χ^2/NDF: 3735669.4/22

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 12694071.8/42

All: 0.009+/-0.000 χ^2/NDF: 24263180.9/88

- sign 0.009+/-0.000 χ^2/NDF: 11538183.5/45



Right In: -0.084+/-0.083 χ^2/NDF: 18.6/18

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

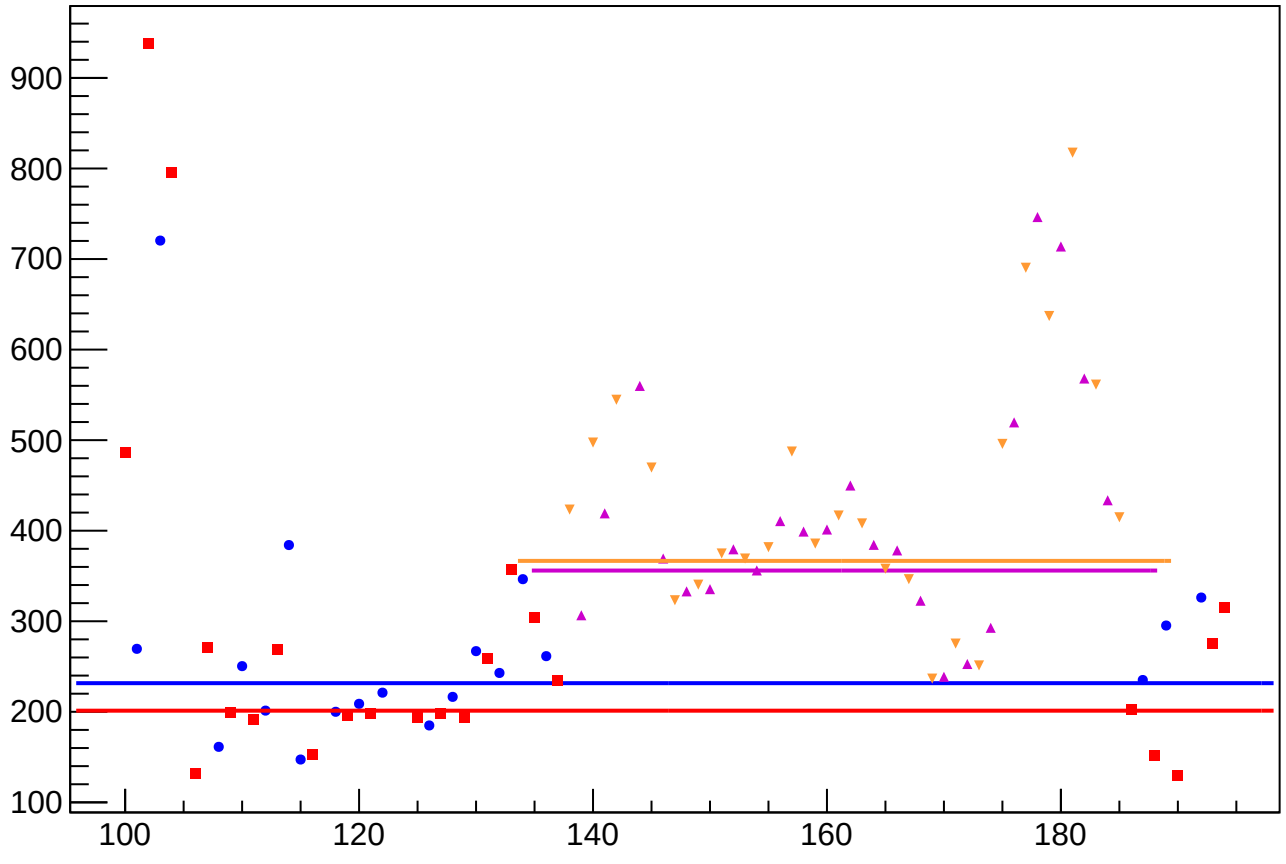
Right Out: 0.054+/-0.069 χ^2/NDF: 34.0/22

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.065+/-0.061 χ^2/NDF: 49.7/42

All: 0.007+/-0.041 χ^2/NDF: 116.6/88

- sign 0.064+/-0.054 χ^2/NDF: 64.3/45



Right In: 231.624+/-0.059 χ^2/NDF: 1235871.3/18

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

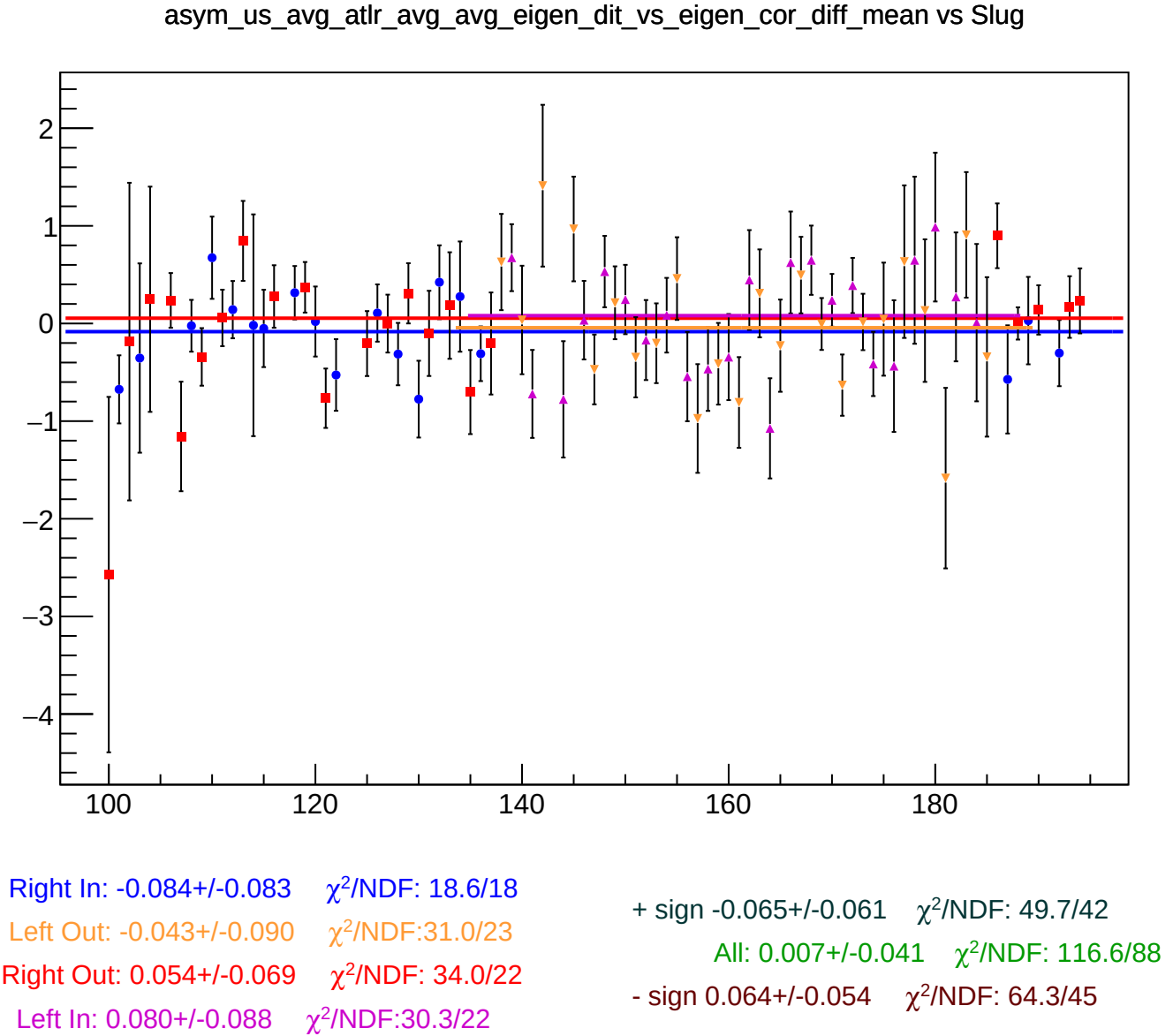
Right Out: 201.246+/-0.049 χ^2/NDF: 2253153.9/22

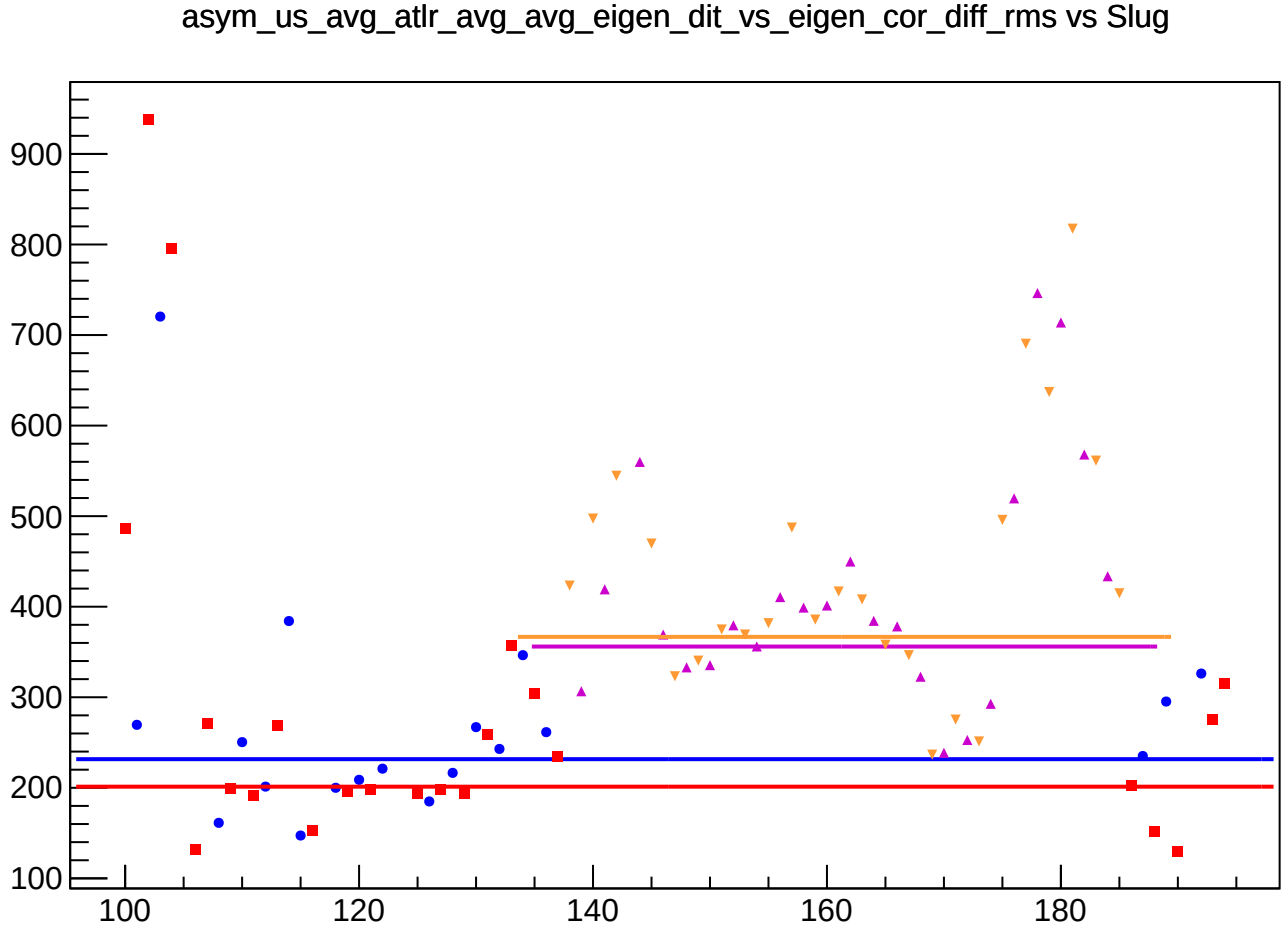
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 293.580+/-0.043 χ^2/NDF: 6489804.5/42

All: 274.788+/-0.029 χ^2/NDF: 15350877.6/88

- sign 260.118+/-0.038 χ^2/NDF: 8526043.6/45


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: 0.054+/-0.069 χ²/NDF: 34.0/22
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.065+/-0.061 χ²/NDF: 49.7/42
All: 0.007+/-0.041 χ²/NDF: 116.6/88
- sign 0.064+/-0.054 χ²/NDF: 64.3/45



Right In: 231.624+/-0.059 χ^2/NDF: 1235871.3/18

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

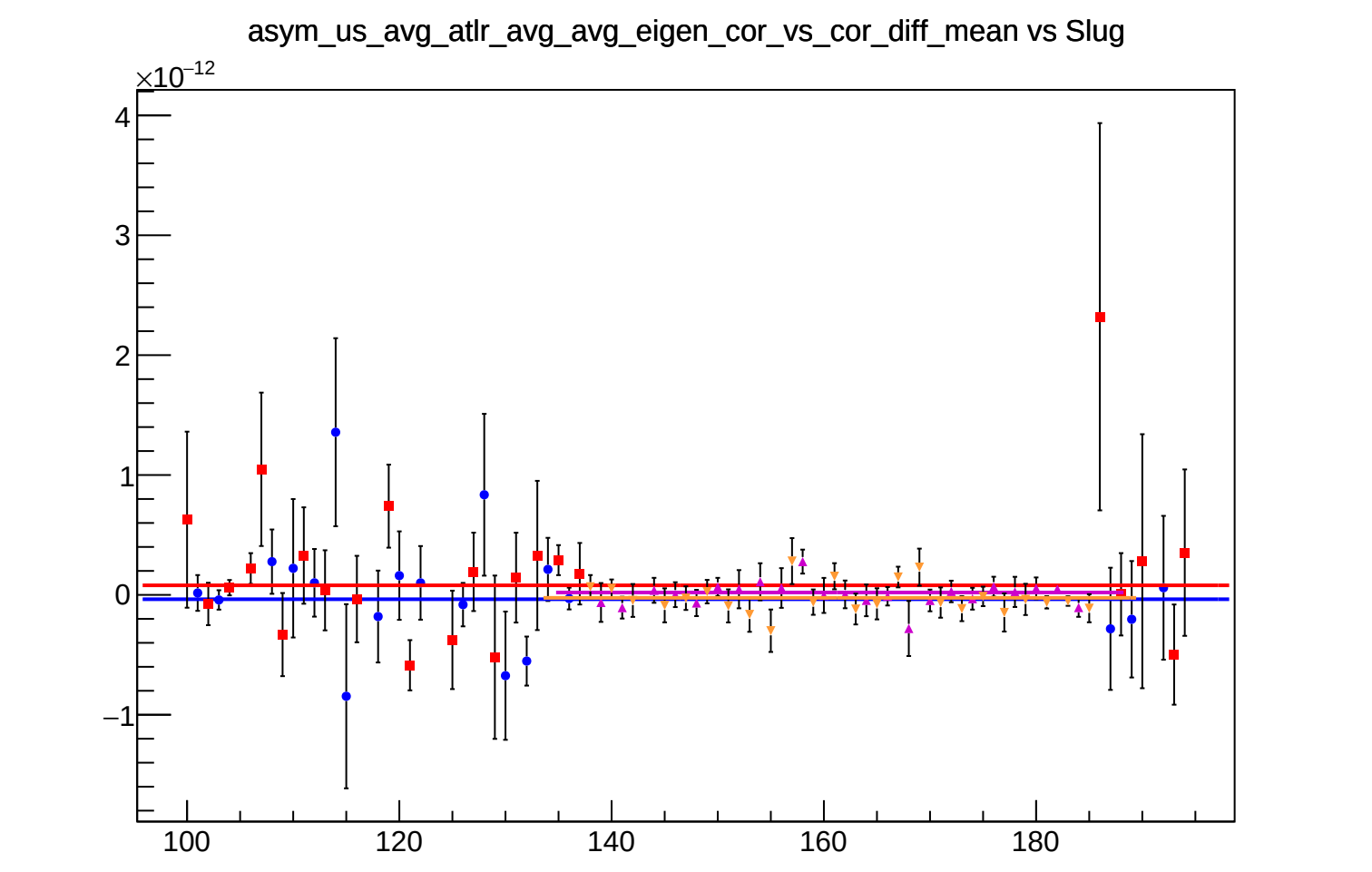
Right Out: 201.246+/-0.049 χ^2/NDF: 2253153.9/22

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 293.580+/-0.043 χ^2/NDF: 6489804.5/42

All: 274.788+/-0.029 χ^2/NDF: 15350877.6/88

- sign 260.118+/-0.038 χ^2/NDF: 8526043.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

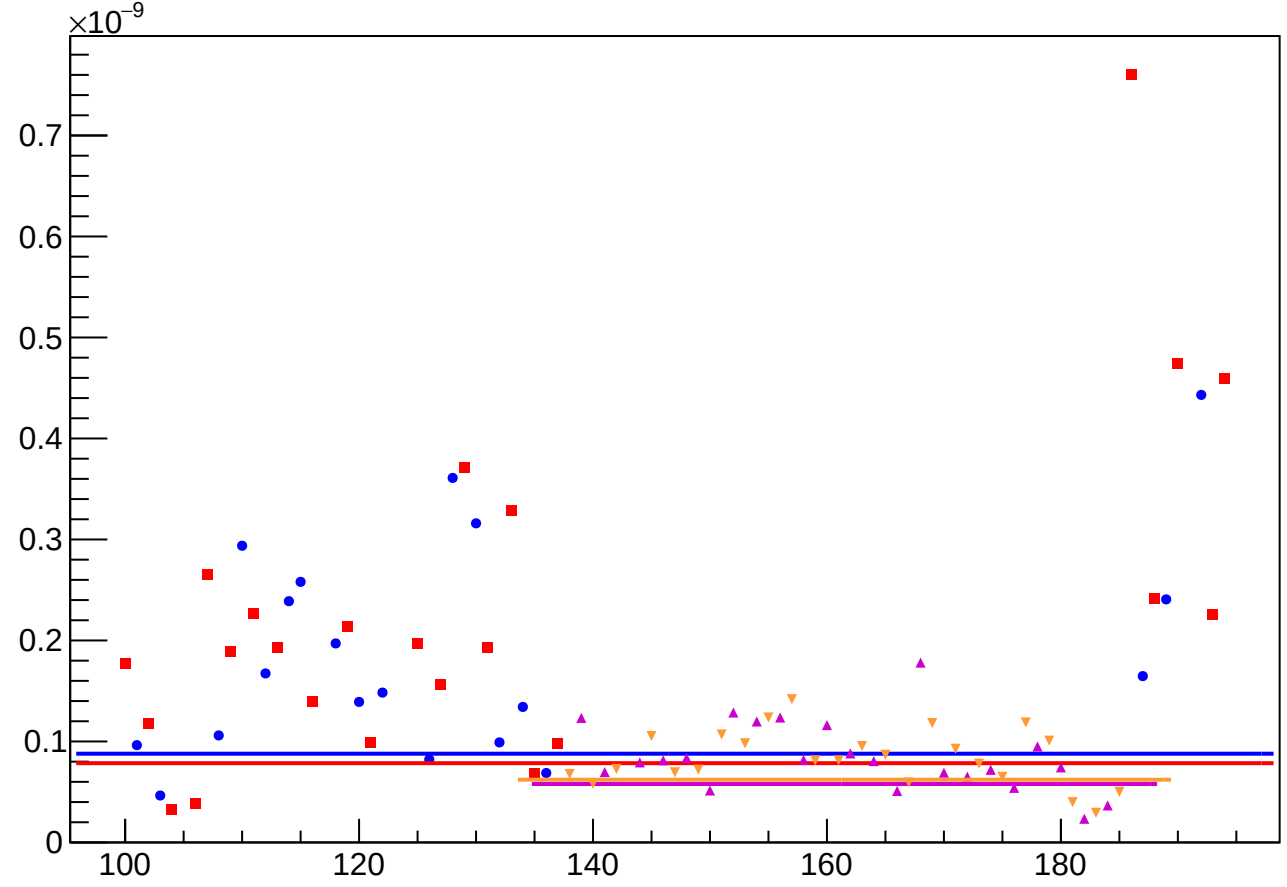
Right Out: 0.000+/-0.000 χ^2/NDF: 29.9/22

Left In: 0.000+/-0.000 χ^2/NDF:17.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.6/42

All: 0.000+/-0.000 χ^2/NDF: 93.4/88

- sign 0.000+/-0.000 χ^2/NDF: 48.7/45



Right In: 0.000+/-0.000 χ^2/NDF: 3197066.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5734207.7/22

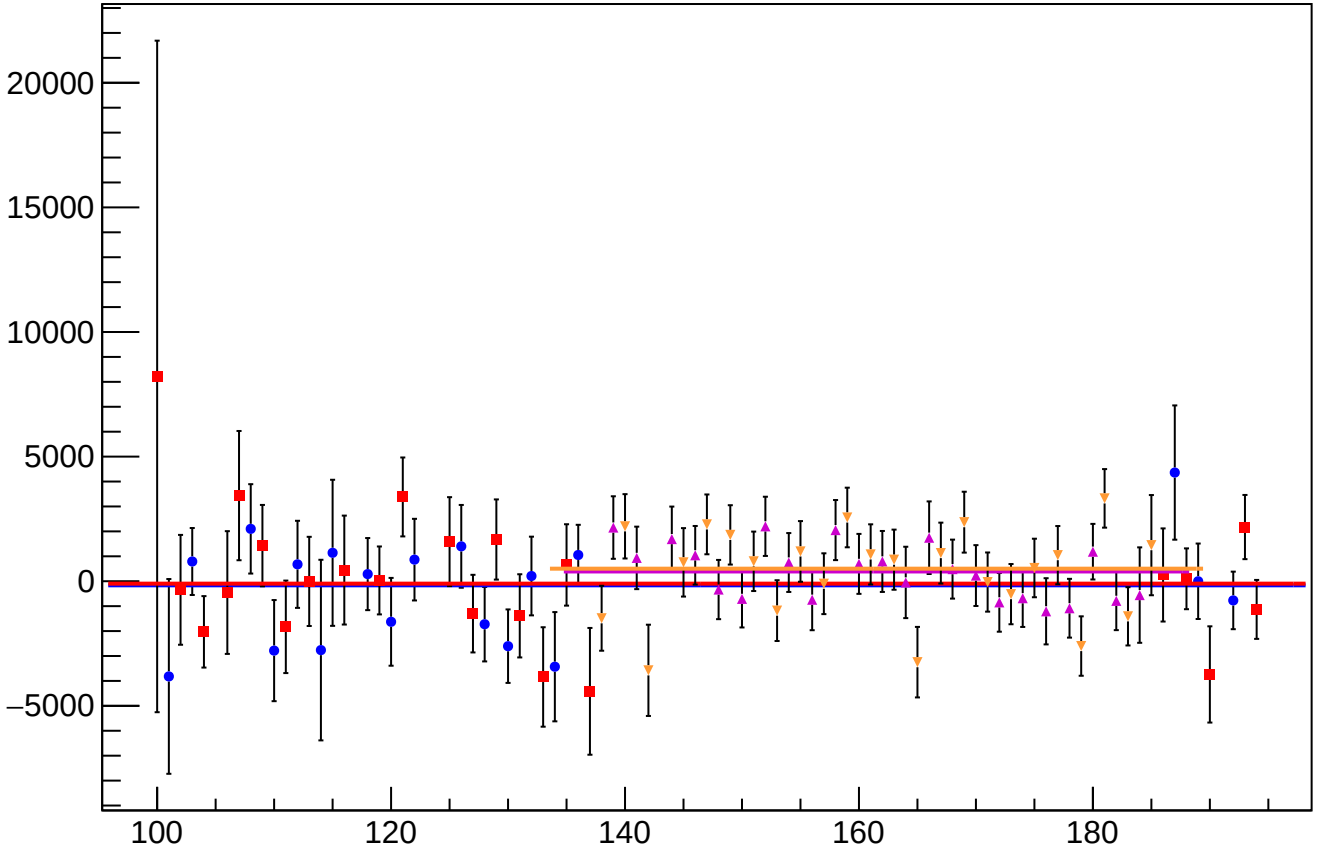
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7820158.1/42

All: 0.000+/-0.000 χ^2/NDF: 19527525.4/88

- sign 0.000+/-0.000 χ^2/NDF: 11628131.8/45

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: -97.220+/-355.035 χ^2/NDF: 28.1/22

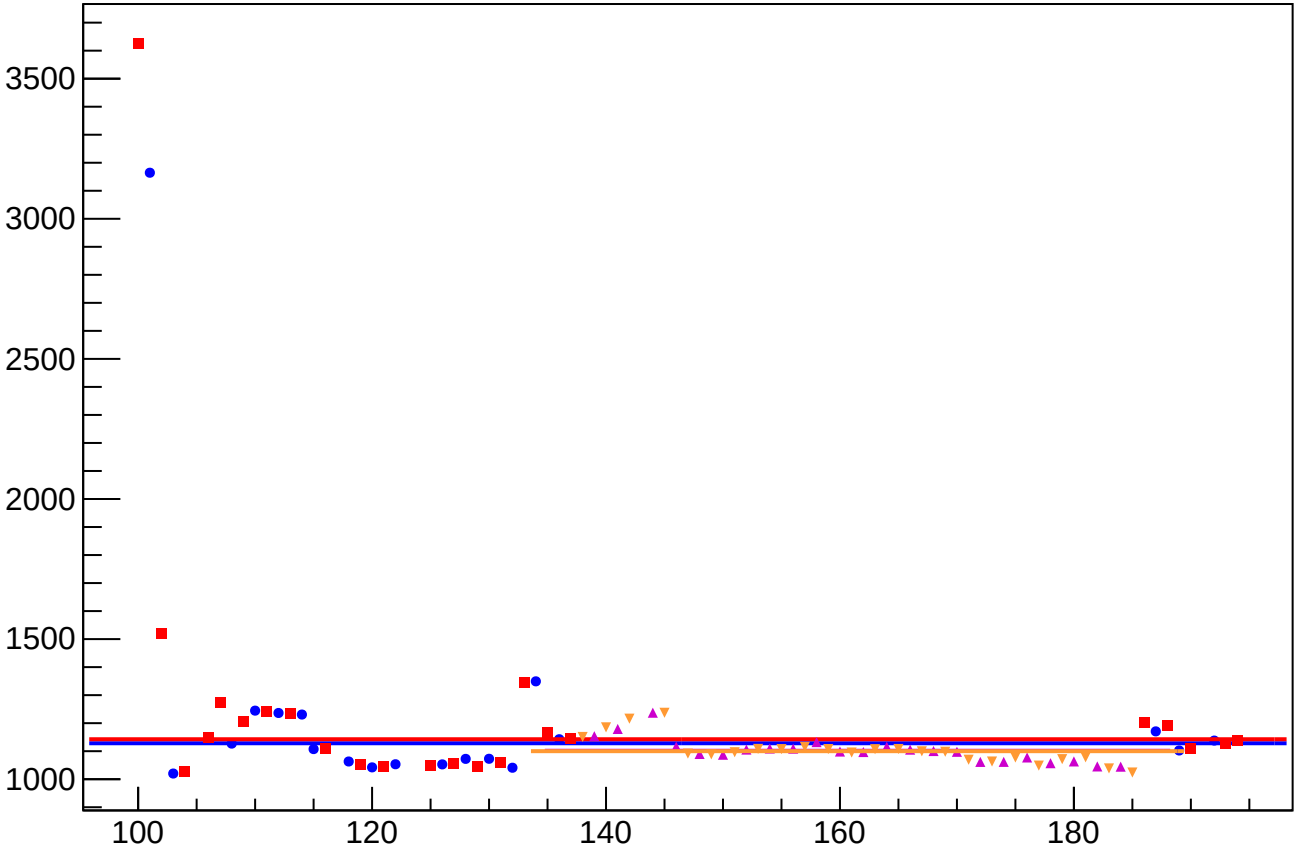
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 299.249+/-212.867 χ^2/NDF: 64.5/42

All: 260.449+/-148.910 χ^2/NDF: 111.8/88

- sign 223.265+/-208.387 χ^2/NDF: 47.2/45

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

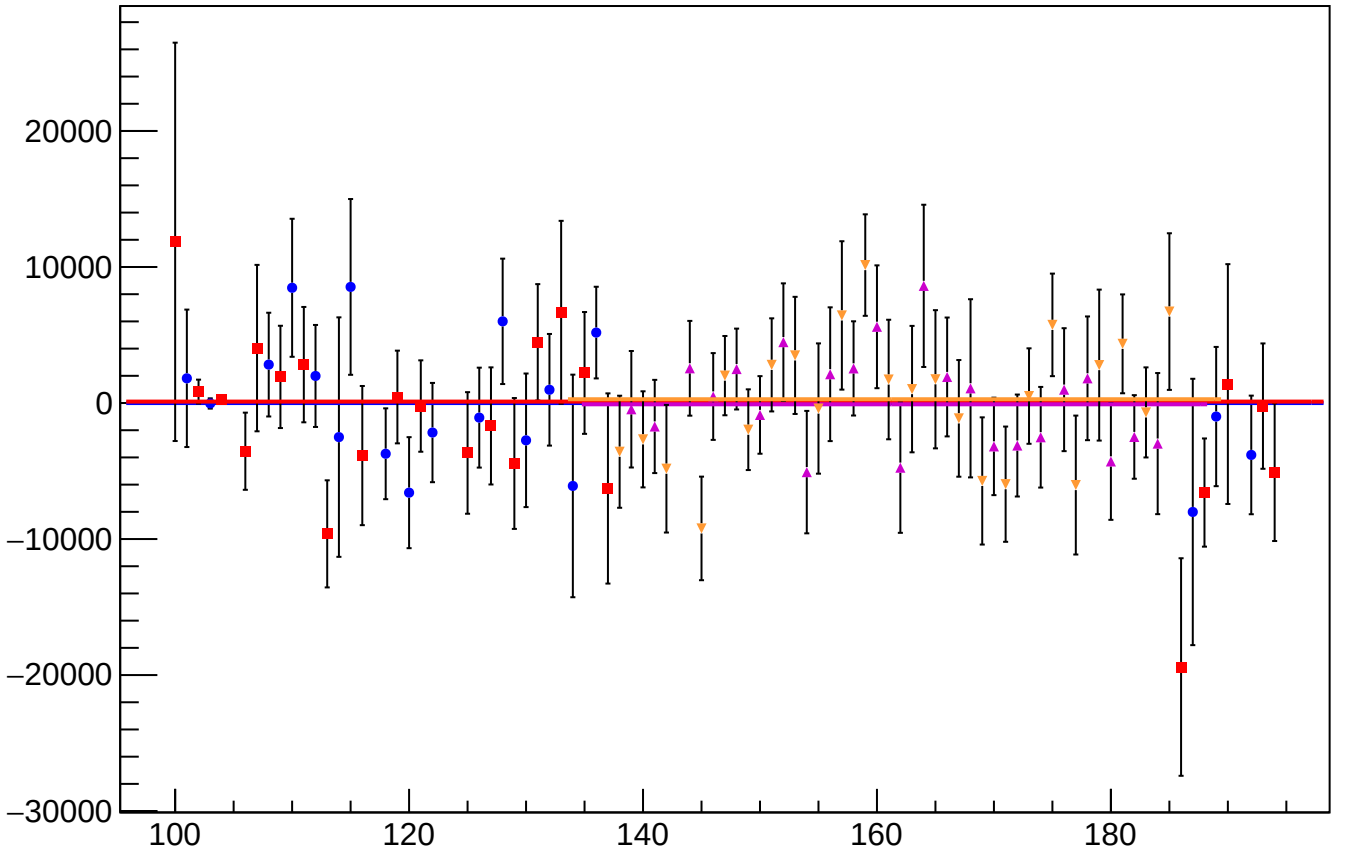
Right Out: 1142.622+/-0.251 χ^2/NDF: 226658.8/22

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1108.713+/-0.151 χ^2/NDF: 688830.4/42

All: 1112.287+/-0.105 χ^2/NDF: 986329.0/88

\- sign 1115.709+/-0.147 χ^2/NDF: 296395.0/45



Right In: -2.884+/-355.359 χ^2/NDF: 16.3/18

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

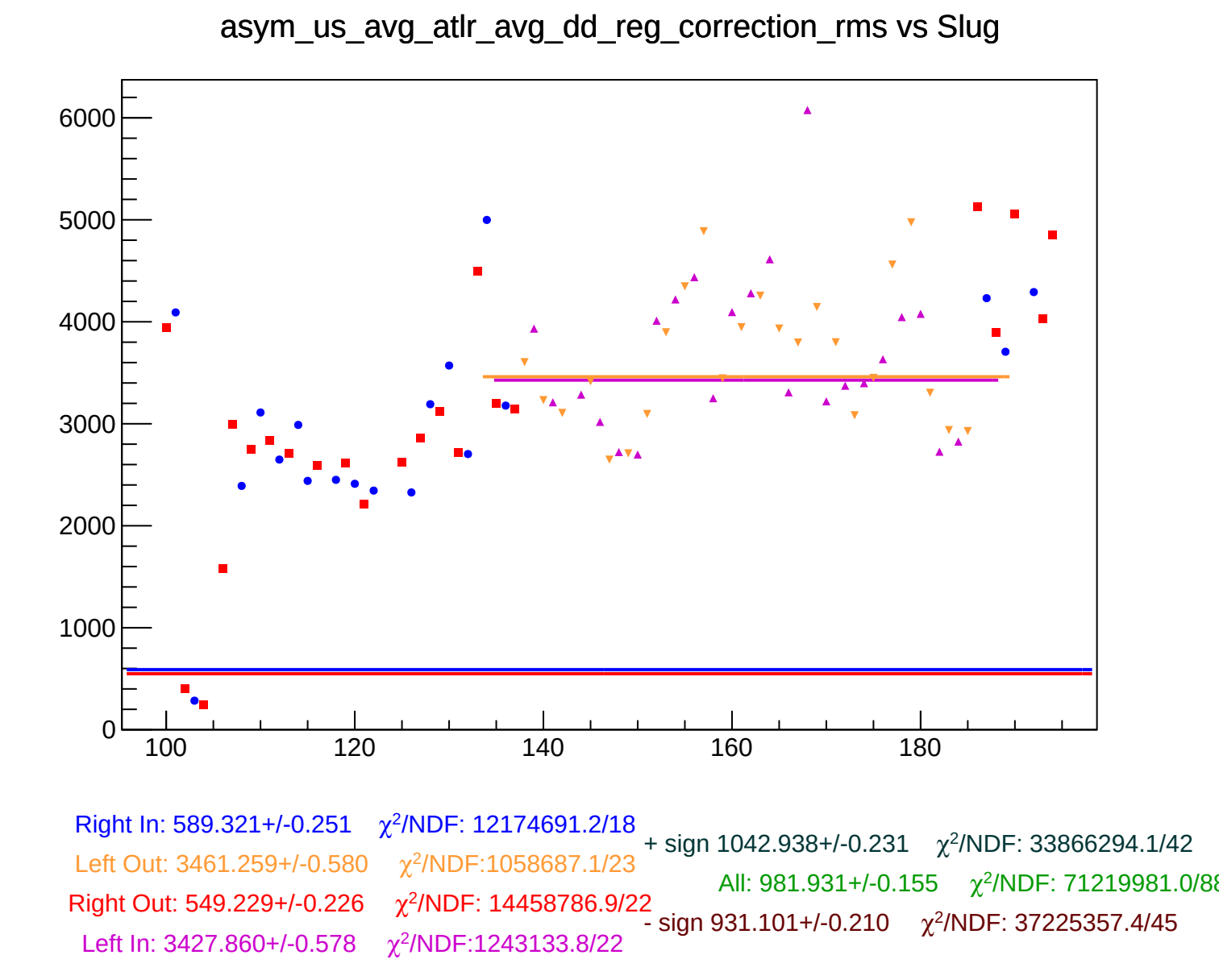
Right Out: 104.996+/-319.603 χ^2/NDF: 25.6/22

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

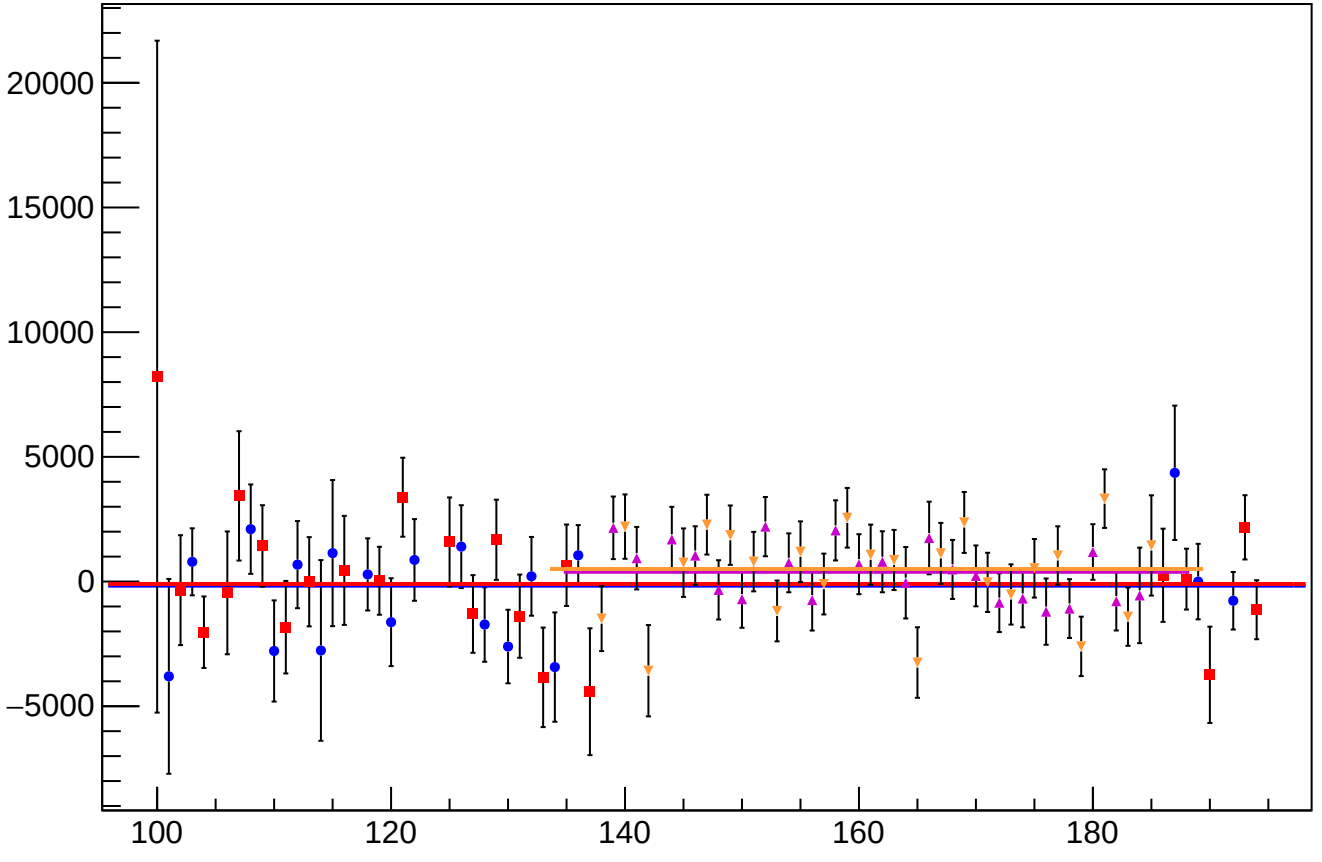
+ sign 41.403+/-326.089 χ^2/NDF: 46.3/42

All: 61.640+/-219.838 χ^2/NDF: 85.6/88

- sign 78.500+/-297.650 χ^2/NDF: 39.3/45


asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
Right In: 589.321+/-0.251 χ²/NDF: 12174691.2/18
Left Out: 3461.259+/-0.580 χ²/NDF:1058687.1/23
Right Out: 549.229+/-0.226 χ²/NDF: 14458786.9/22
Left In: 3427.860+/-0.578 χ²/NDF:1243133.8/22
+ sign 1042.938+/-0.231 χ²/NDF: 33866294.1/42
All: 981.931+/-0.155 χ²/NDF: 71219981.0/88
- sign 931.101+/-0.210 χ²/NDF: 37225357.4/45

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: -97.318+/-355.035 χ^2/NDF: 28.2/22

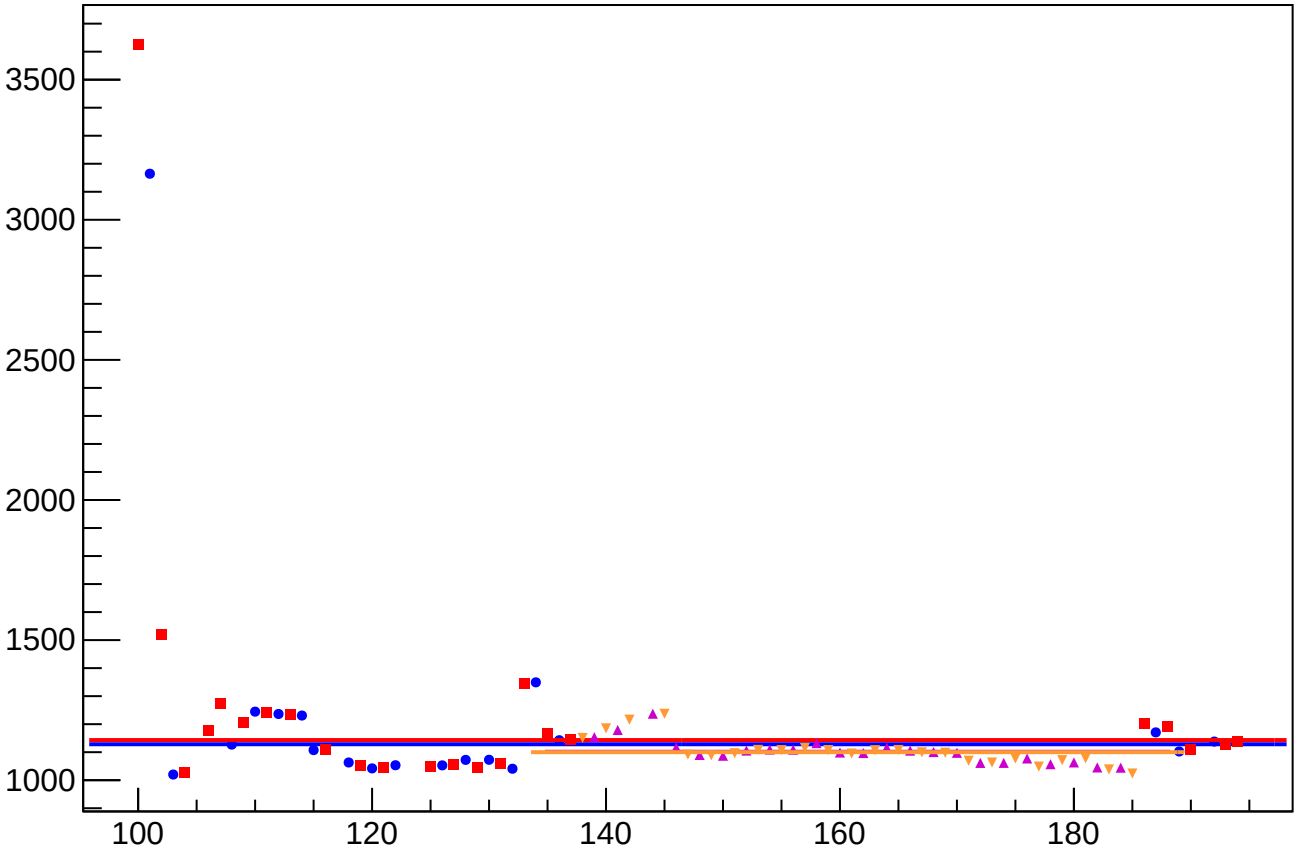
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 299.351+/-212.867 χ^2/NDF: 64.5/42

All: 260.477+/-148.910 χ^2/NDF: 111.8/88

- sign 223.223+/-208.387 χ^2/NDF: 47.2/45

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

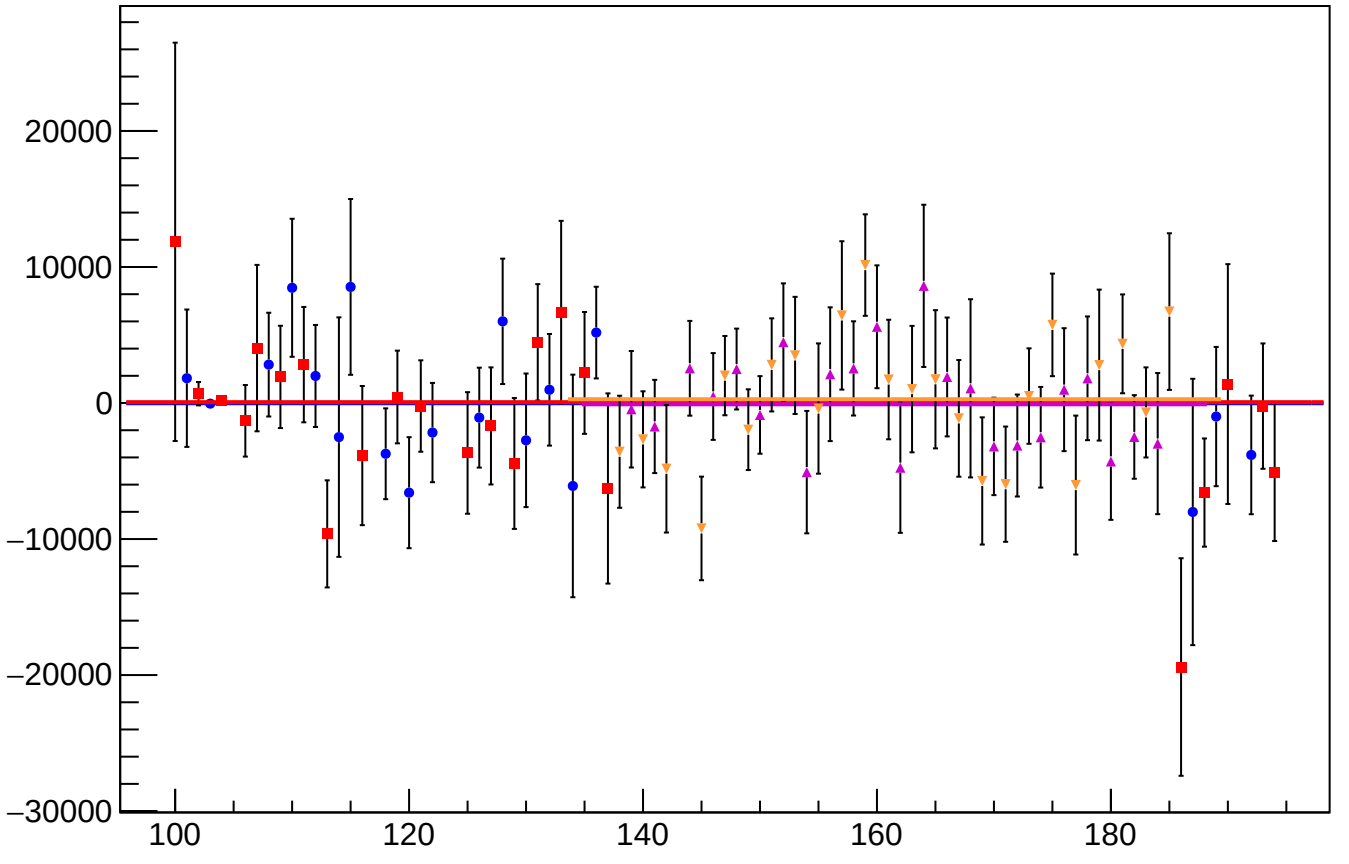
Right Out: 1143.283+/-0.251 χ^2/NDF: 227083.8/22

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1108.713+/-0.151 χ^2/NDF: 688831.4/42

All: 1112.394+/-0.105 χ^2/NDF: 987372.5/88

- sign 1115.921+/-0.147 χ^2/NDF: 297370.0/45



Right In: -16.410+/-342.475 χ^2/NDF: 16.3/18

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

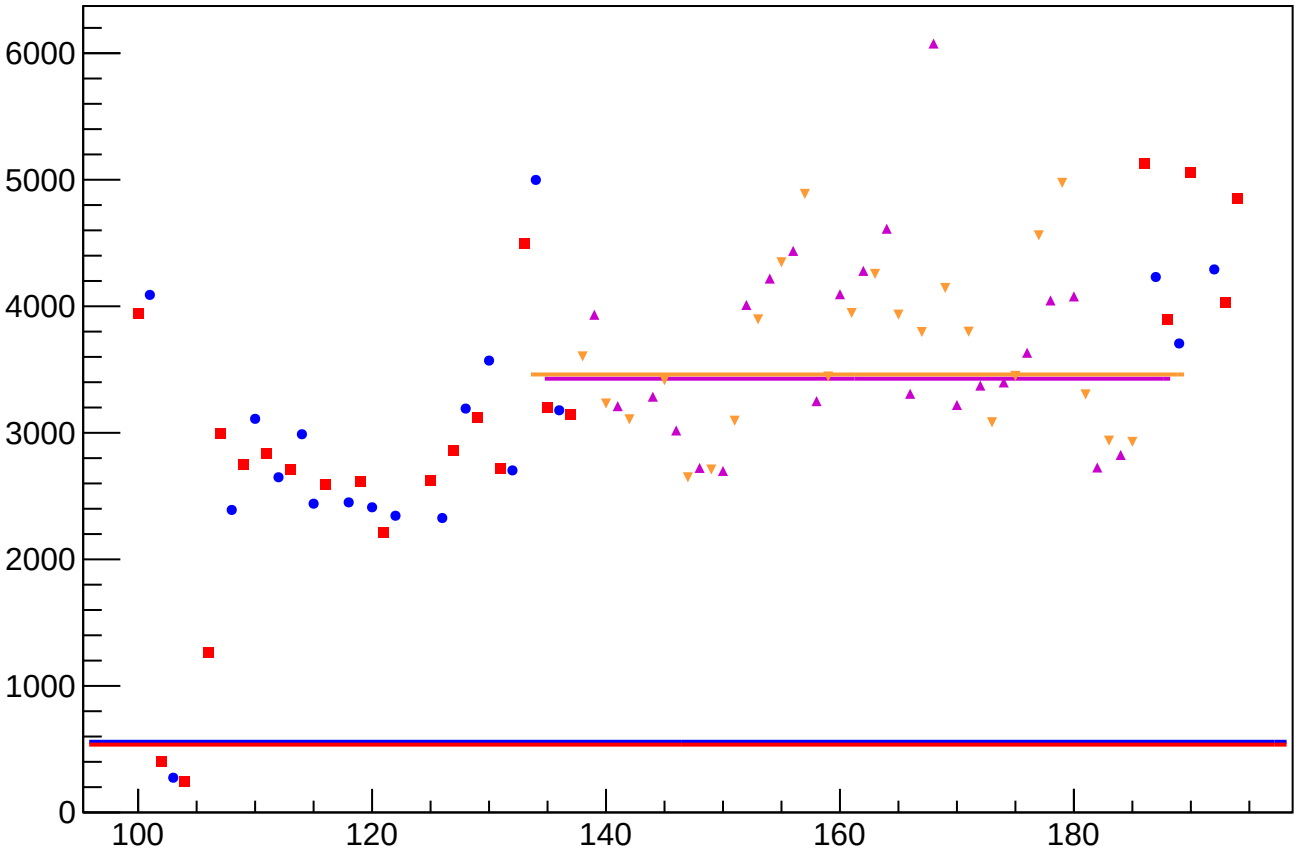
Right Out: 63.408+/-314.563 χ^2/NDF: 23.9/22

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 27.203+/-316.048 χ^2/NDF: 46.3/42

All: 35.683+/-215.092 χ^2/NDF: 83.9/88

- sign 43.000+/-293.567 χ^2/NDF: 37.5/45



Right In: 558.412+/-0.242 χ^2/NDF: 12368310.1/18

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 536.044+/-0.222 χ^2/NDF: 14415198.5/22

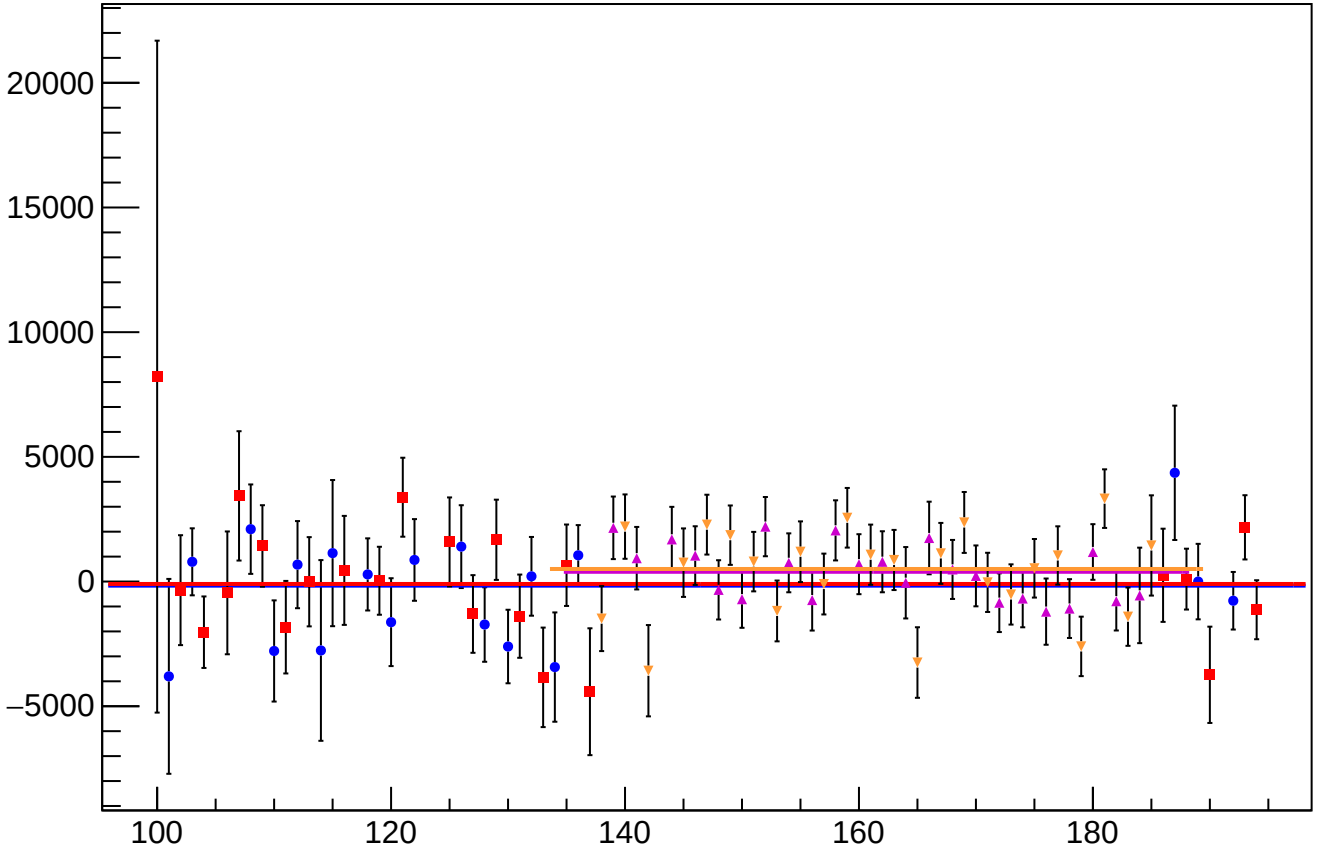
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 989.110+/-0.223 χ^2/NDF: 34746186.9/42

All: 946.218+/-0.152 χ^2/NDF: 72284722.3/88

- sign 909.211+/-0.208 χ^2/NDF: 37469916.7/45

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: -97.318+/-355.035 χ^2/NDF: 28.2/22

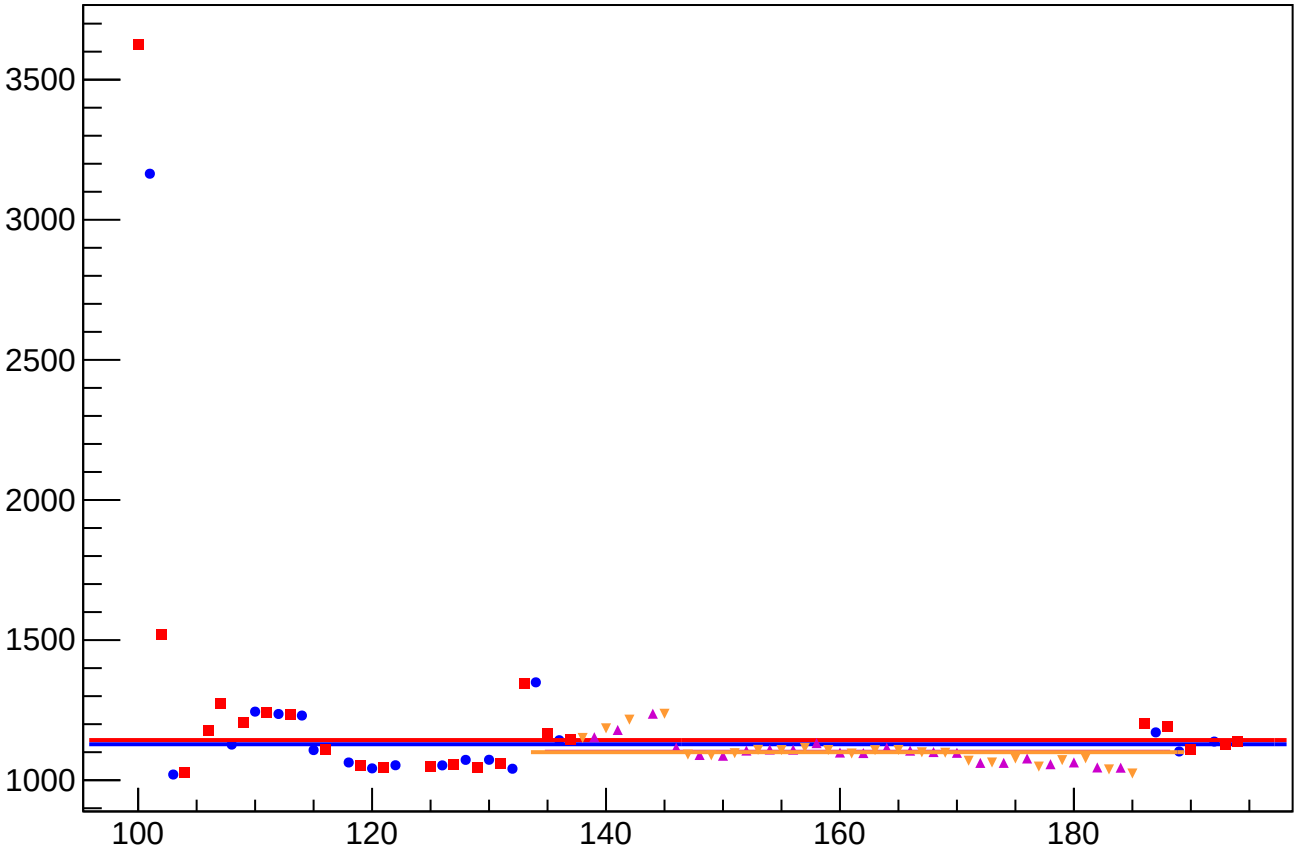
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 299.351+/-212.867 χ^2/NDF: 64.5/42

All: 260.477+/-148.910 χ^2/NDF: 111.8/88

- sign 223.223+/-208.387 χ^2/NDF: 47.2/45

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

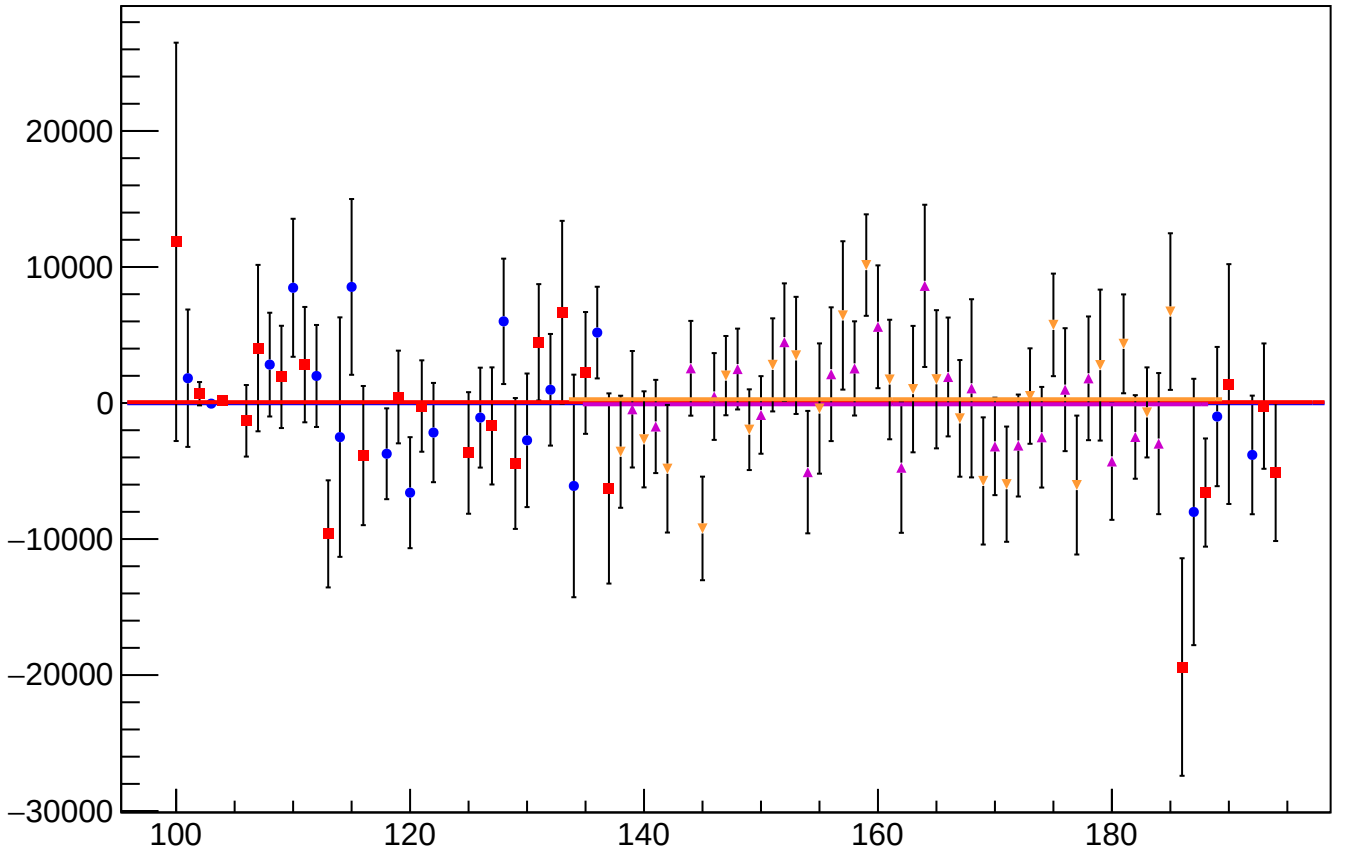
Right Out: 1143.283+/-0.251 χ^2/NDF: 227083.8/22

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1108.713+/-0.151 χ^2/NDF: 688831.4/42

All: 1112.394+/-0.105 χ^2/NDF: 987372.5/88

- sign 1115.921+/-0.147 χ^2/NDF: 297370.0/45



Right In: -16.410+/-342.475 χ^2/NDF: 16.3/18

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

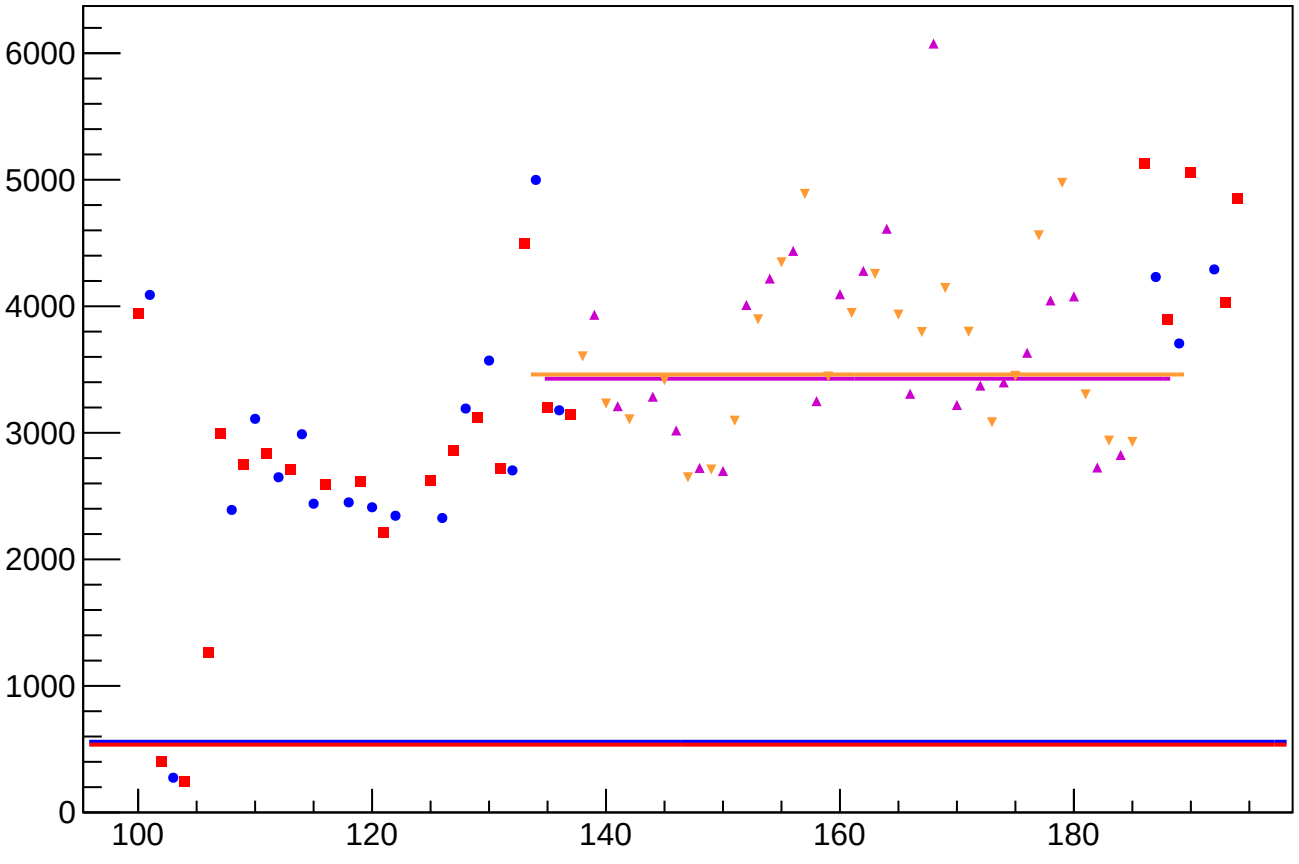
Right Out: 63.408+/-314.563 χ^2/NDF: 23.9/22

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 27.203+/-316.048 χ^2/NDF: 46.3/42

All: 35.683+/-215.092 χ^2/NDF: 83.9/88

- sign 43.000+/-293.567 χ^2/NDF: 37.5/45



Right In: 558.412+/-0.242 χ^2/NDF: 12368310.1/18

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 536.044+/-0.222 χ^2/NDF: 14415198.5/22

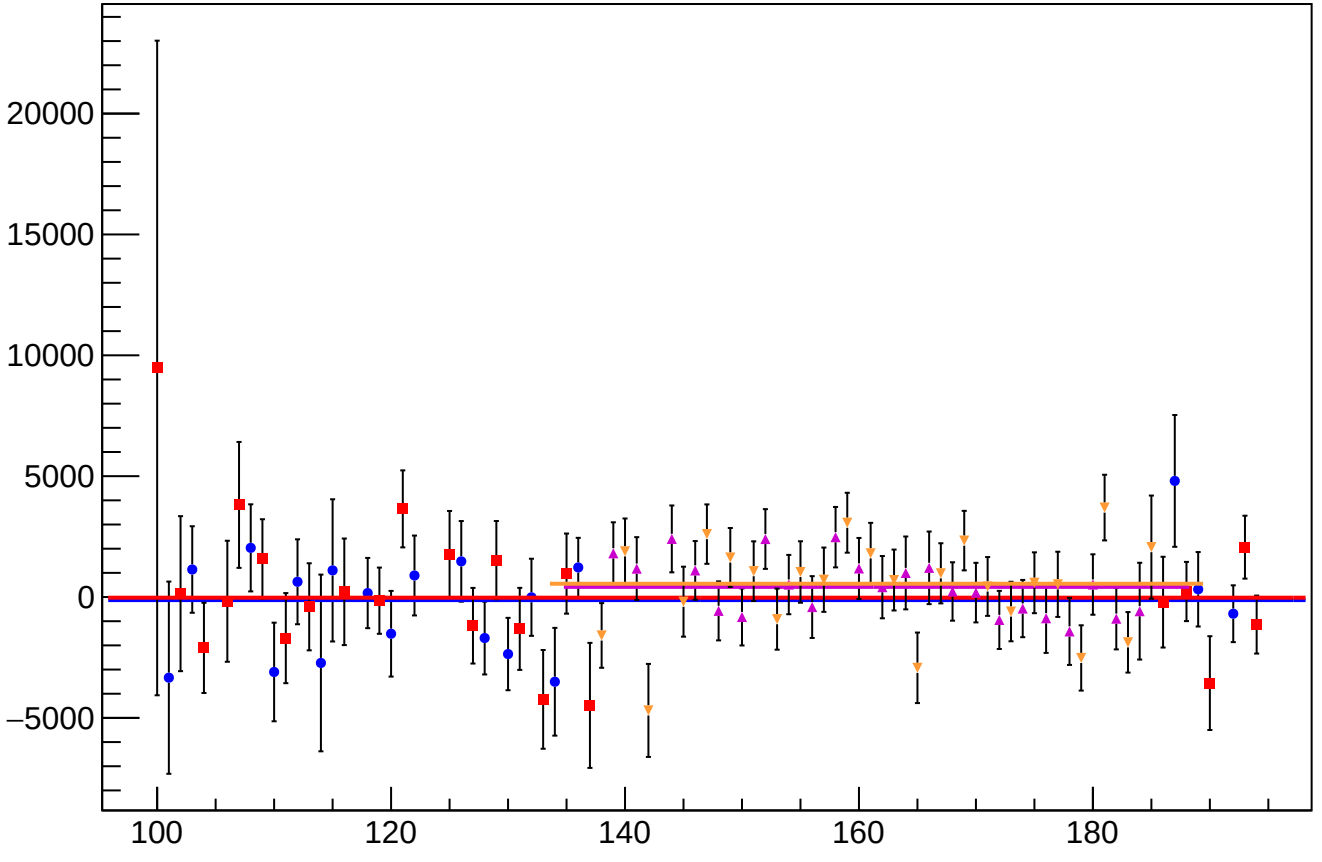
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 989.110+/-0.223 χ^2/NDF: 34746186.9/42

All: 946.218+/-0.152 χ^2/NDF: 72284722.3/88

- sign 909.211+/-0.208 χ^2/NDF: 37469916.7/45

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: -26.709+/-365.128 χ^2/NDF: 28.5/22

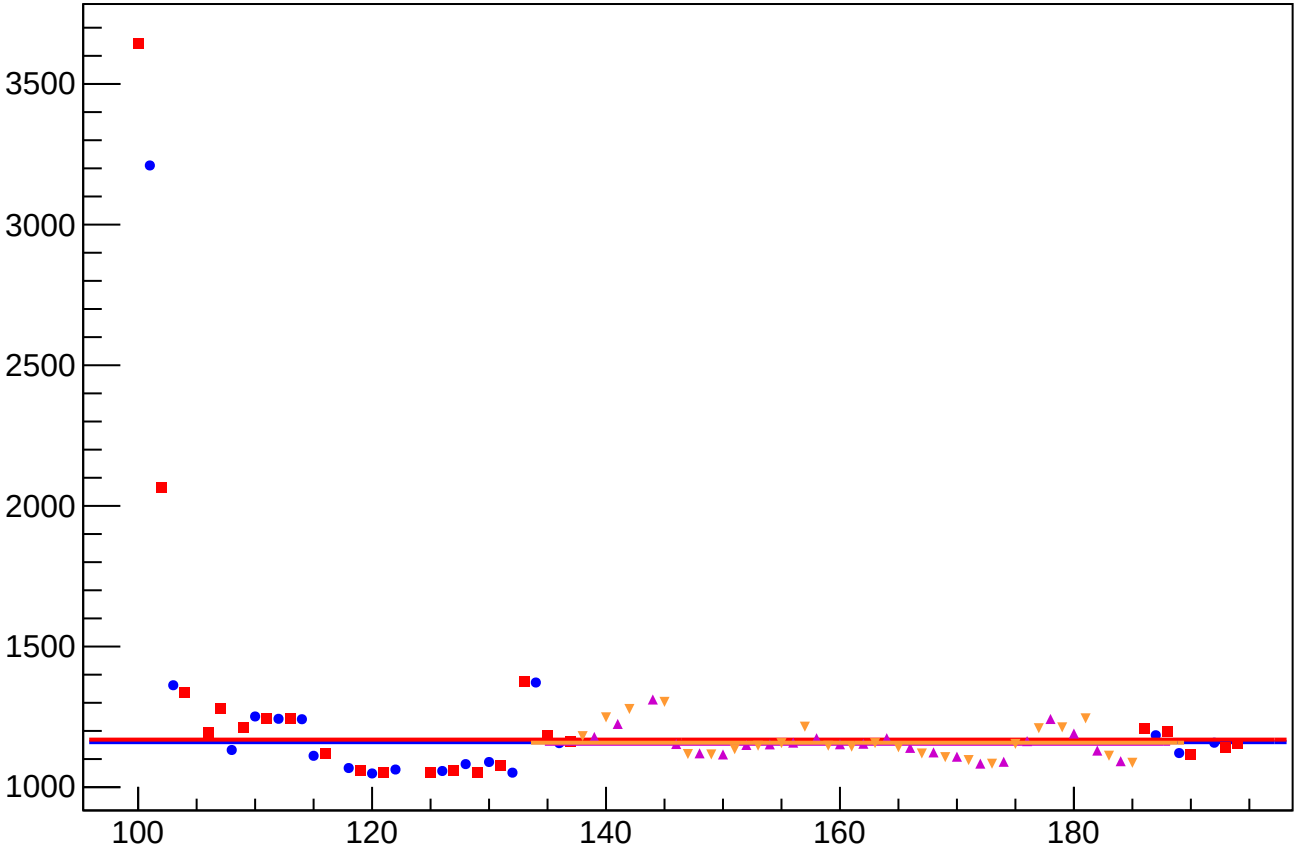
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 336.577+/-222.599 χ^2/NDF: 65.2/42

All: 298.793+/-155.383 χ^2/NDF: 112.7/88

- sign 262.886+/-216.996 χ^2/NDF: 47.5/45

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

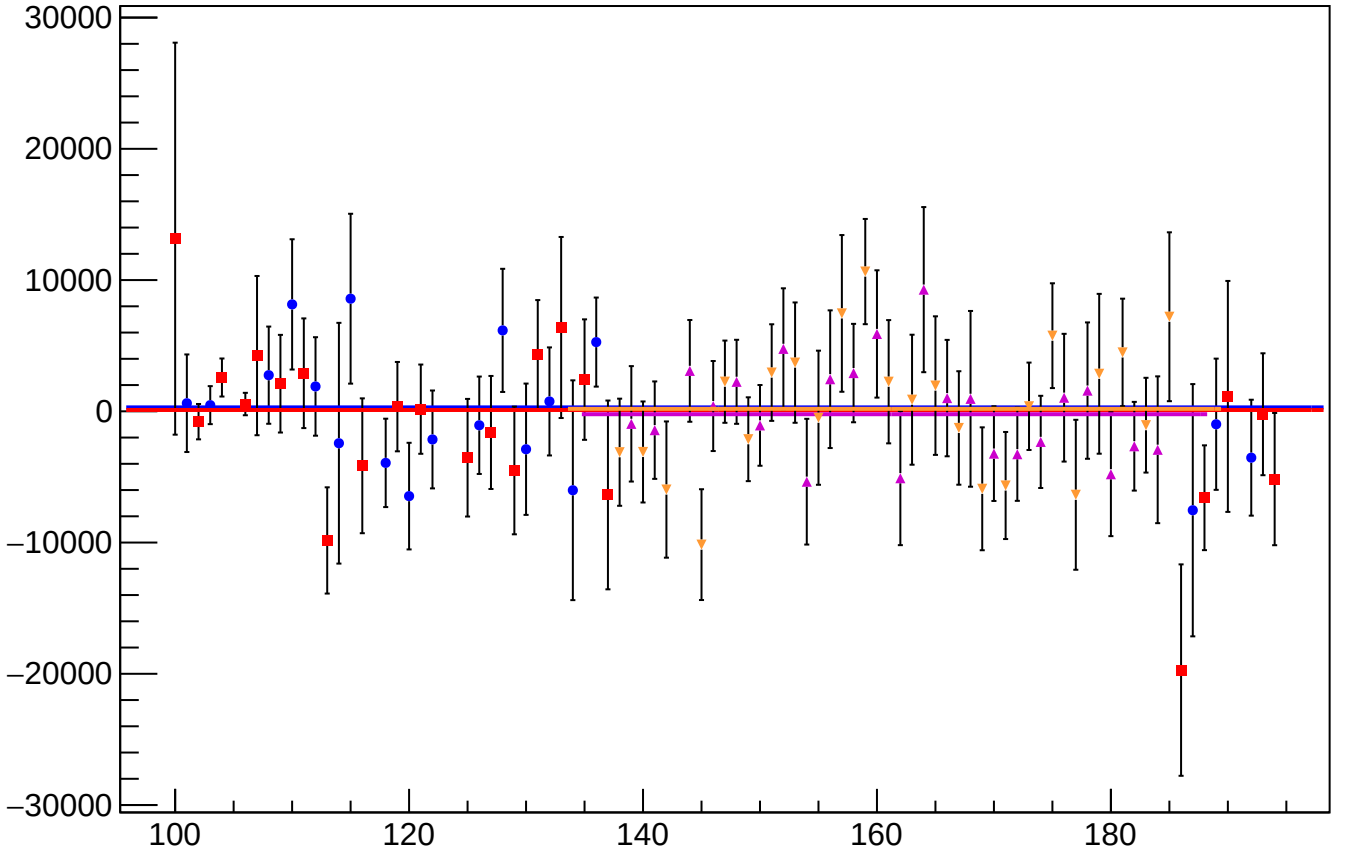
Right Out: 1169.118+/-0.258 χ^2/NDF: 336411.5/22

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1158.761+/-0.157 χ^2/NDF: 721008.5/42

All: 1159.135+/-0.110 χ^2/NDF: 1126059.4/88

- sign 1159.491+/-0.153 χ^2/NDF: 405039.9/45



Right In: 298.323+/-841.899 χ^2/NDF: 16.0/18

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: 101.295+/-550.501 χ^2/NDF: 26.9/22

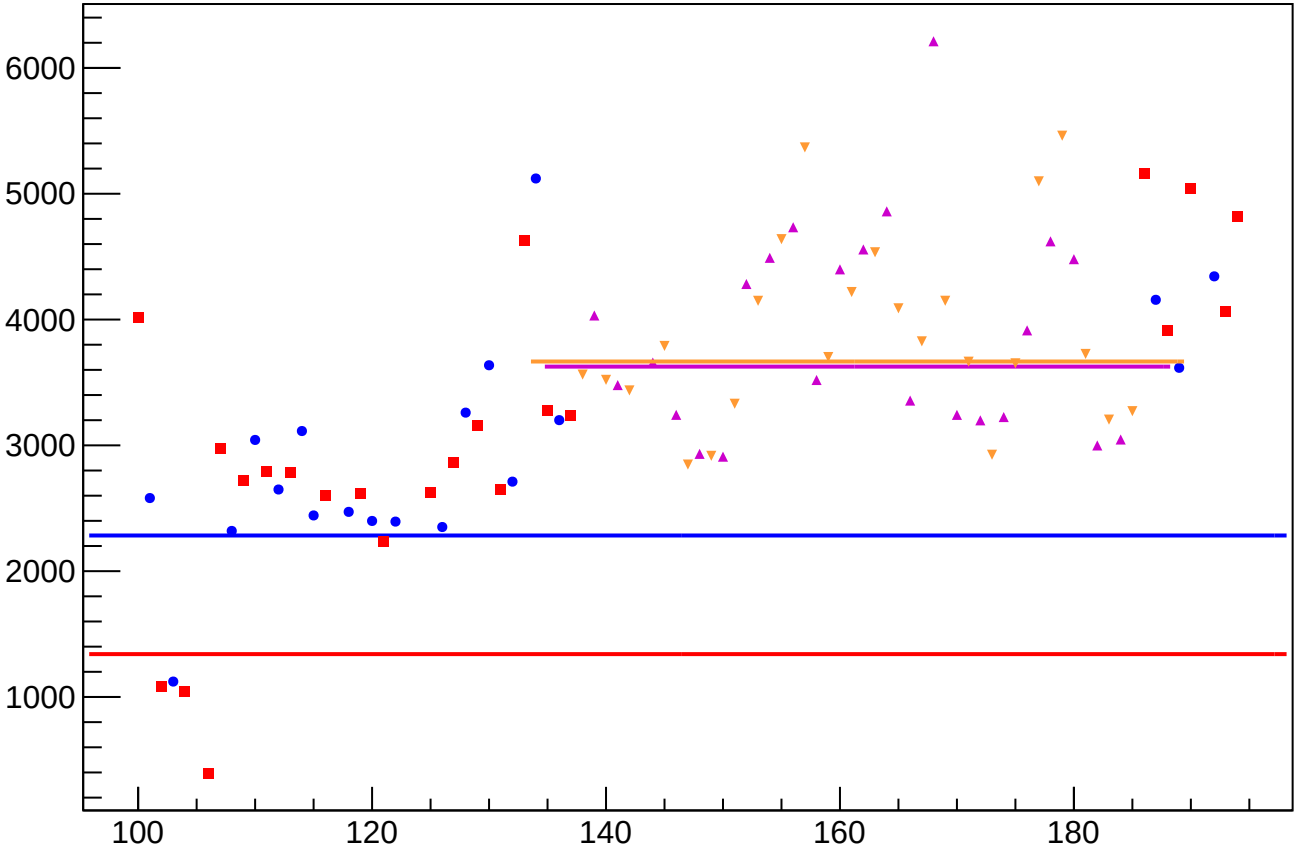
Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 245.776+/-604.812 χ^2/NDF: 45.2/42

All: 96.346+/-368.337 χ^2/NDF: 85.8/88

- sign 8.248+/-464.390 χ^2/NDF: 40.4/45

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug



Right In: 2283.568+/-0.595 χ^2/NDF: 2677081.4/18

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1340.698+/-0.389 χ^2/NDF: 9272698.0/22

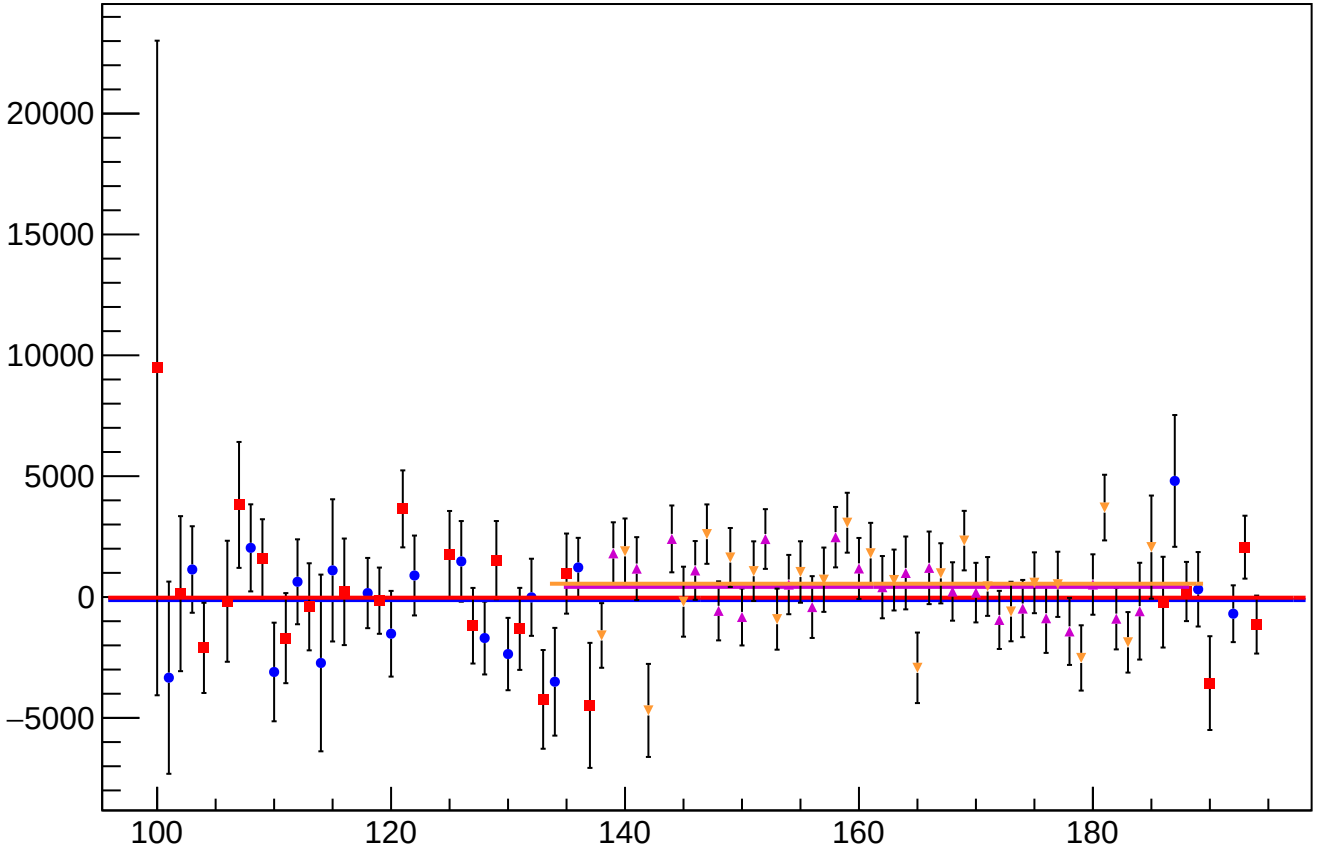
Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 2952.807+/-0.428 χ^2/NDF: 6384493.9/42

All: 2353.206+/-0.260 χ^2/NDF: 29978580.6/8

- sign 1999.708+/-0.328 χ^2/NDF: 20469522.2/45

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: -26.707+/-365.128 χ^2/NDF: 28.5/22

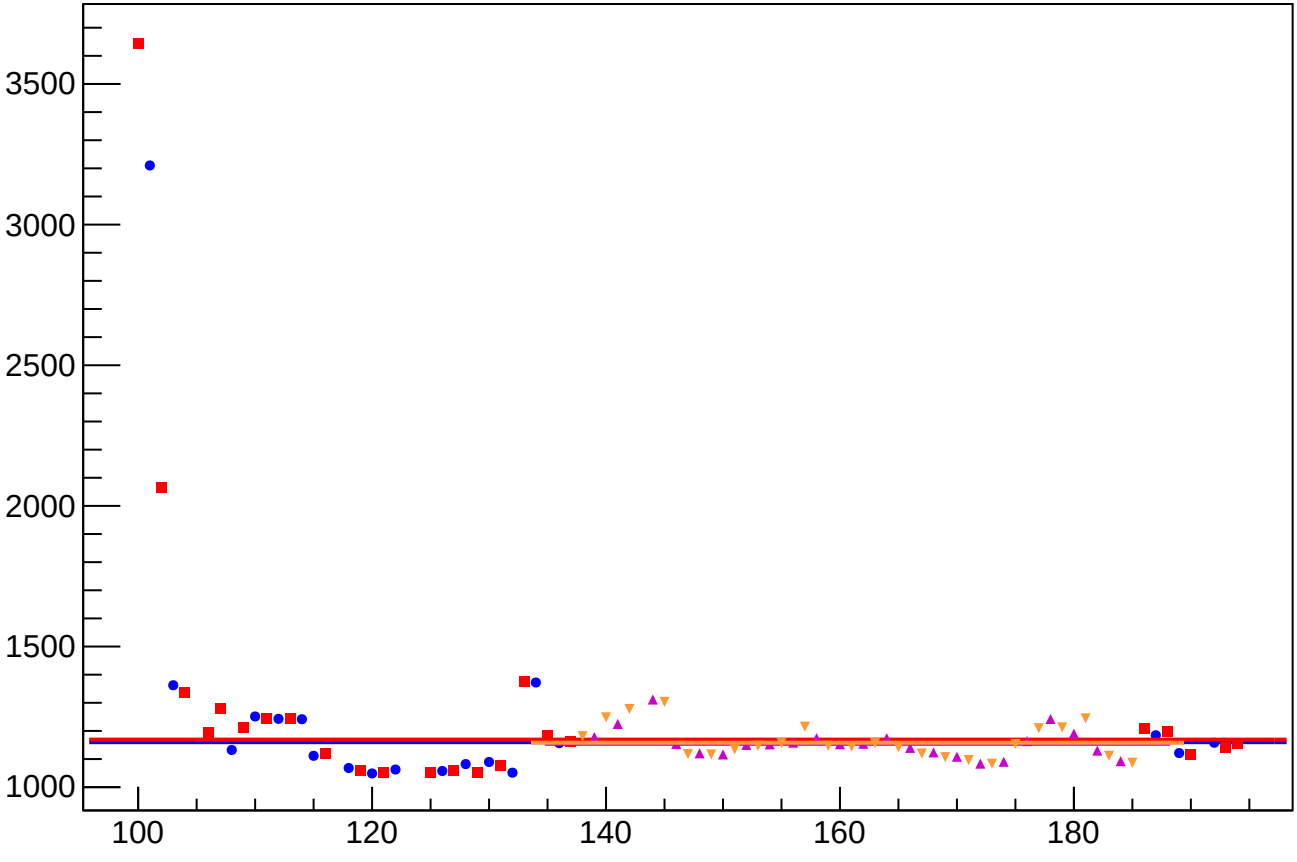
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 336.577+/-222.599 χ^2/NDF: 65.2/42

All: 298.793+/-155.383 χ^2/NDF: 112.7/88

- sign 262.886+/-216.997 χ^2/NDF: 47.5/45

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: 1169.118+/-0.258 χ^2/NDF: 336411.1/22

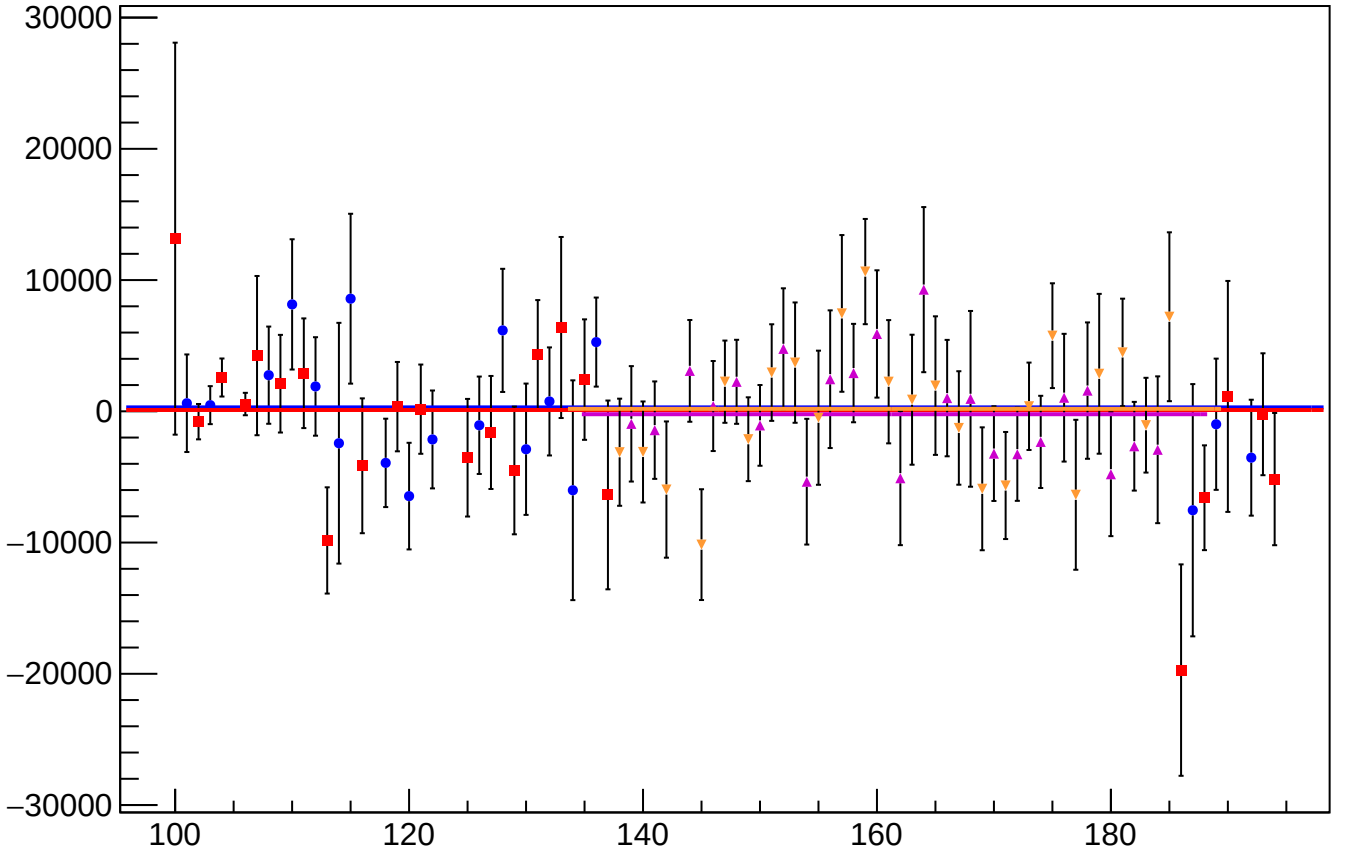
Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1158.762+/-0.157 χ^2/NDF: 721011.2/42

All: 1159.136+/-0.110 χ^2/NDF: 1126063.9/88

- sign 1159.492+/-0.153 χ^2/NDF: 405041.7/45

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug



Right In: 298.317+/-841.898 χ^2/NDF: 16.0/18

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

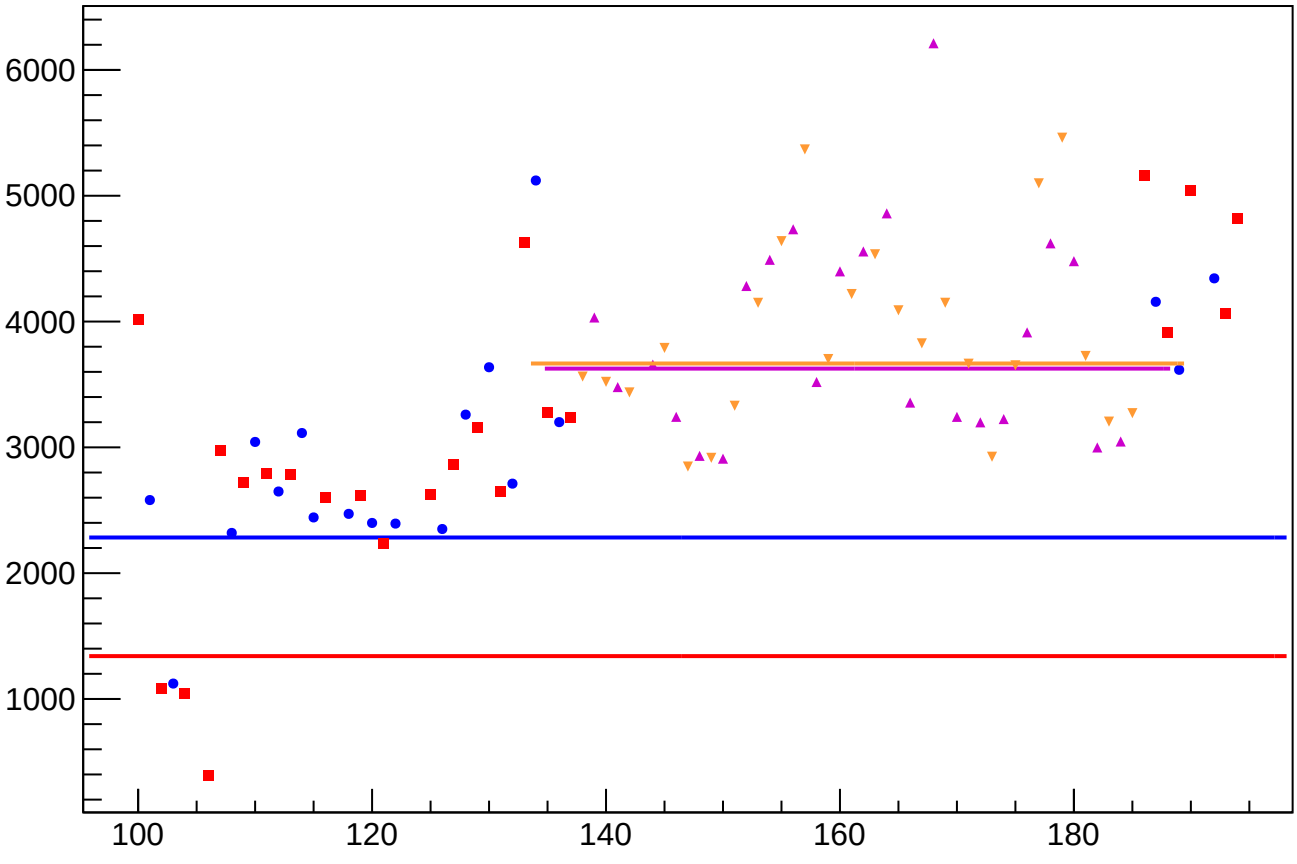
Right Out: 101.303+/-550.494 χ^2/NDF: 26.9/22

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 245.773+/-604.812 χ^2/NDF: 45.2/42

All: 96.348+/-368.335 χ^2/NDF: 85.8/88

- sign 8.255+/-464.387 χ^2/NDF: 40.4/45



Right In: 2283.565+/-0.595 χ^2/NDF: 2677083.0/18

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1340.673+/-0.389 χ^2/NDF: 9272882.0/22

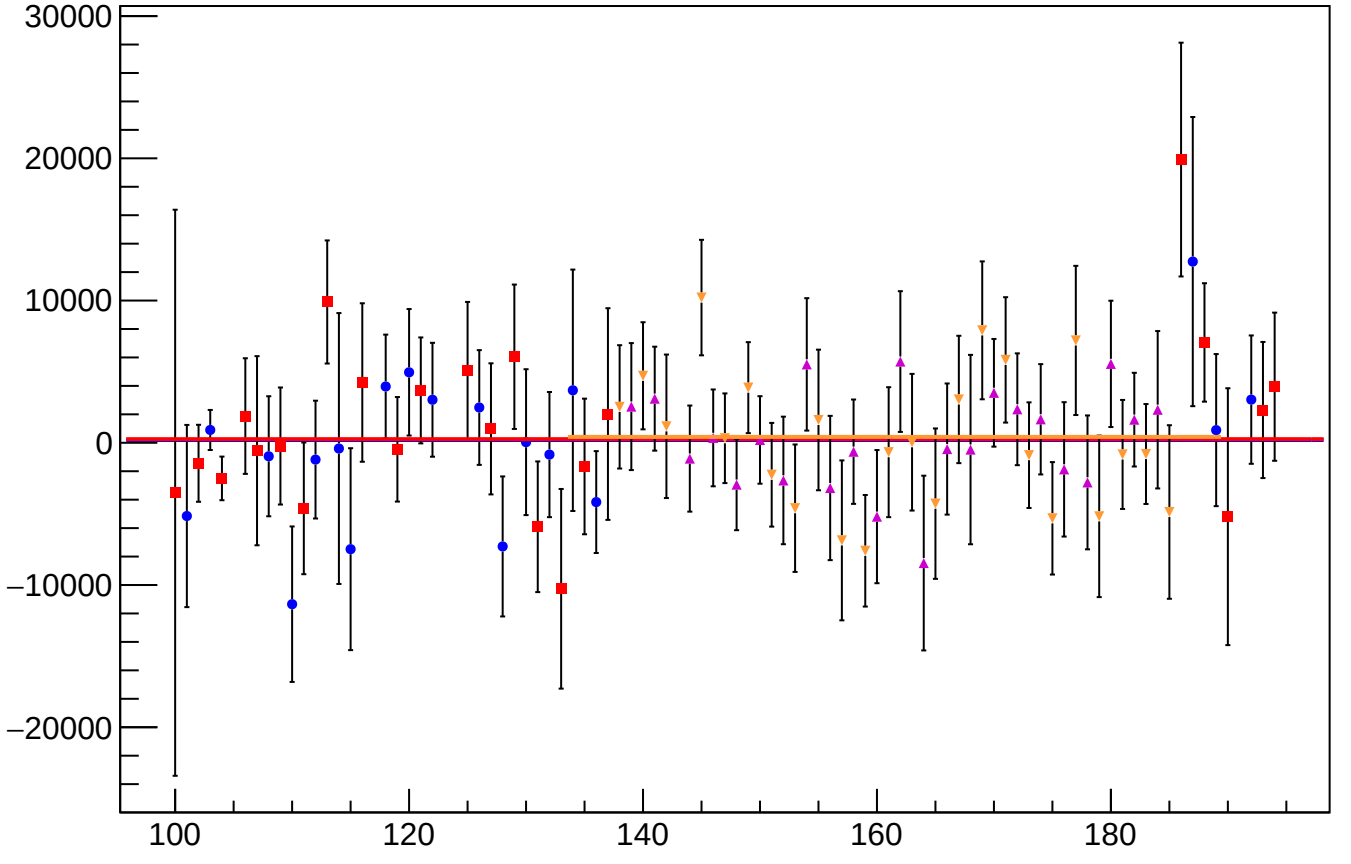
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 2952.806+/-0.428 χ^2/NDF: 6384529.9/42

All: 2353.184+/-0.260 χ^2/NDF: 29979317.7/8

- sign 1999.679+/-0.328 χ^2/NDF: 20470022.9/45

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: 253.774+/-842.488 χ^2/NDF: 27.4/22

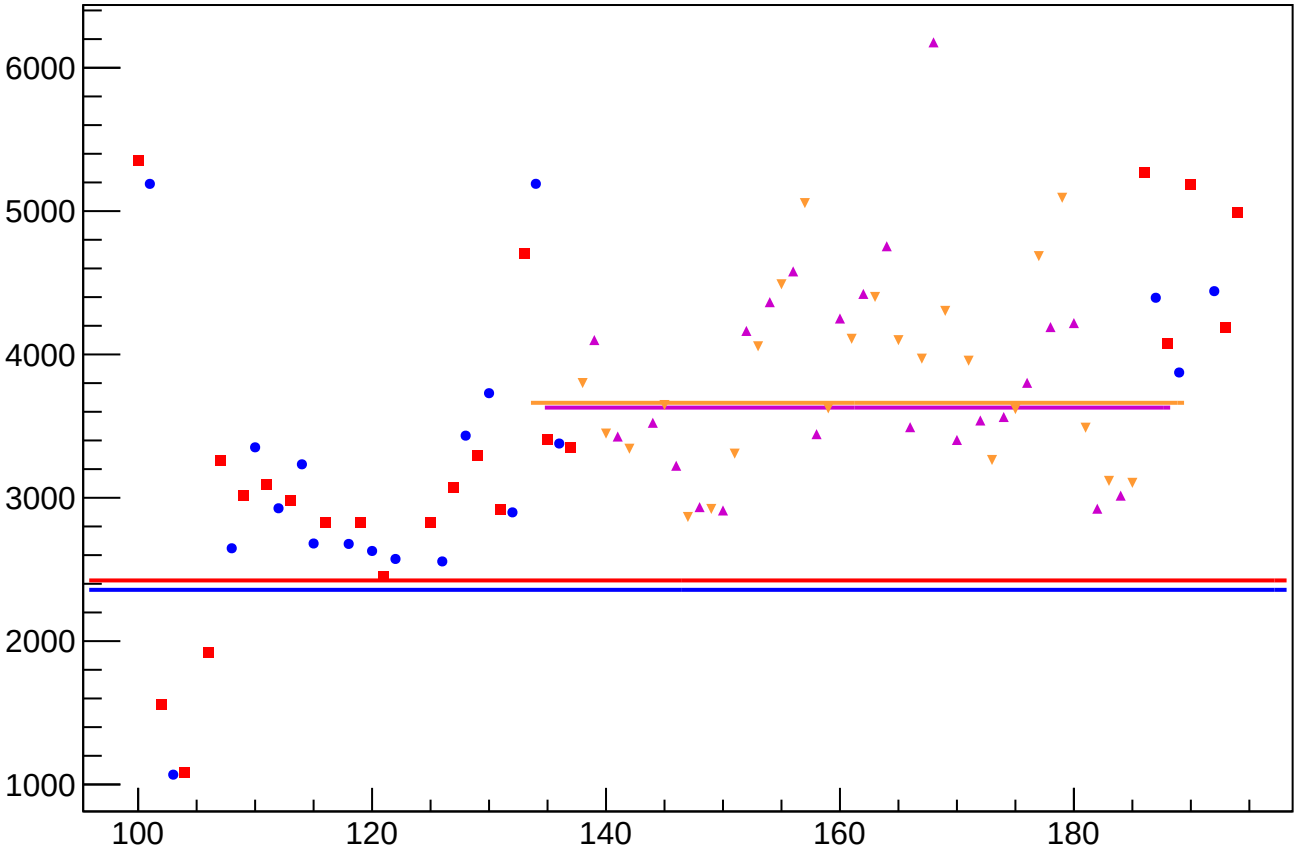
Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 307.703+/-619.122 χ^2/NDF: 42.9/42

All: 317.563+/-431.847 χ^2/NDF: 82.6/88

- sign 326.906+/-602.658 χ^2/NDF: 39.7/45

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

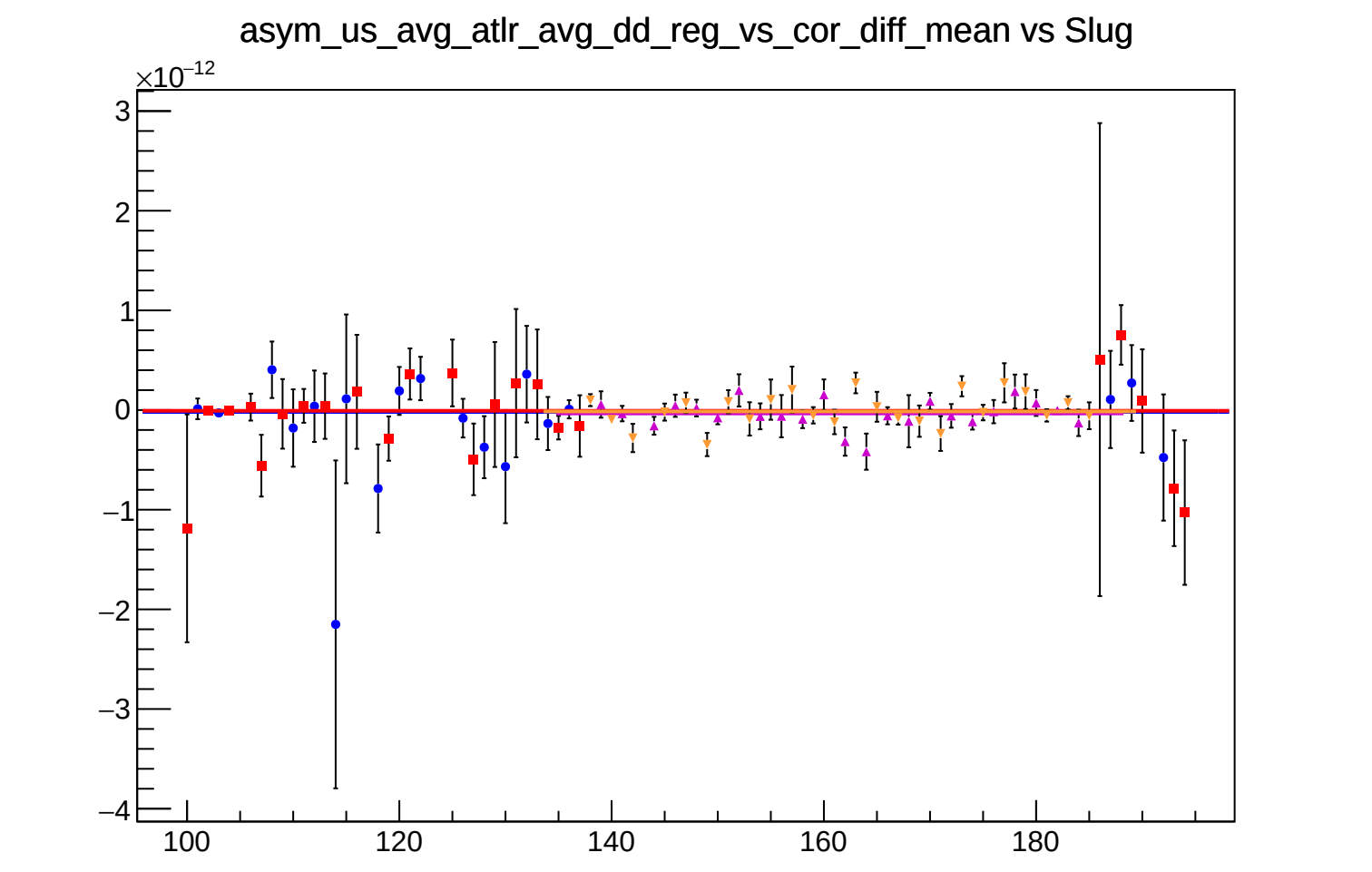
Right Out: 2423.418+/-0.594 χ^2/NDF: 3956870.3/22

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3025.764+/-0.438 χ^2/NDF: 6669861.1/42

All: 3018.133+/-0.305 χ^2/NDF: 13686800.2/8

- sign 3010.919+/-0.426 χ^2/NDF: 7016348.1/45


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
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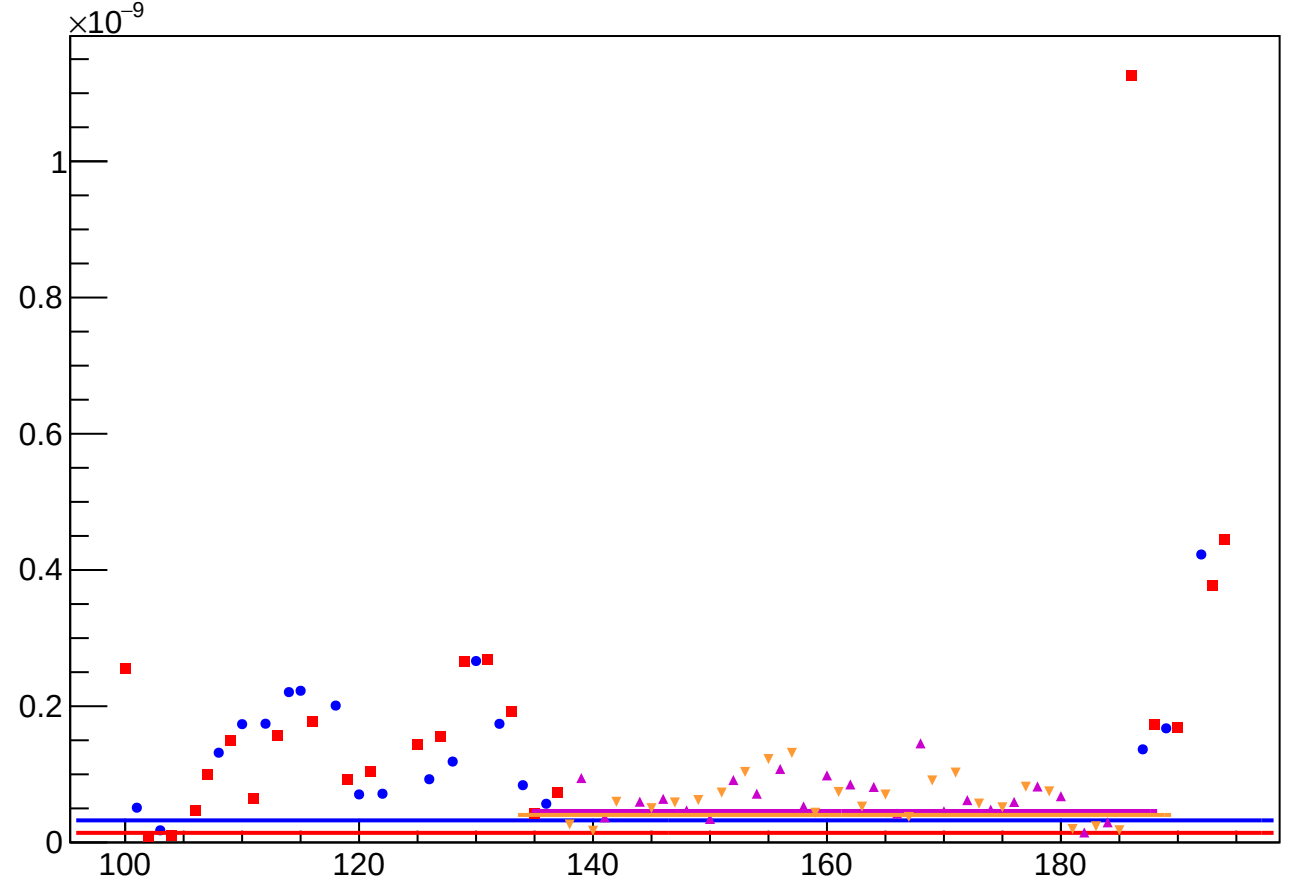
140
160
180
Right In: -0.000+/-0.000 χ²/NDF: 14.9/18
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 24.3/22
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
+ sign -0.000+/-0.000 χ²/NDF: 60.2/42
All: -0.000+/-0.000 χ²/NDF: 108.5/88
- sign -0.000+/-0.000 χ²/NDF: 48.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 4109309.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

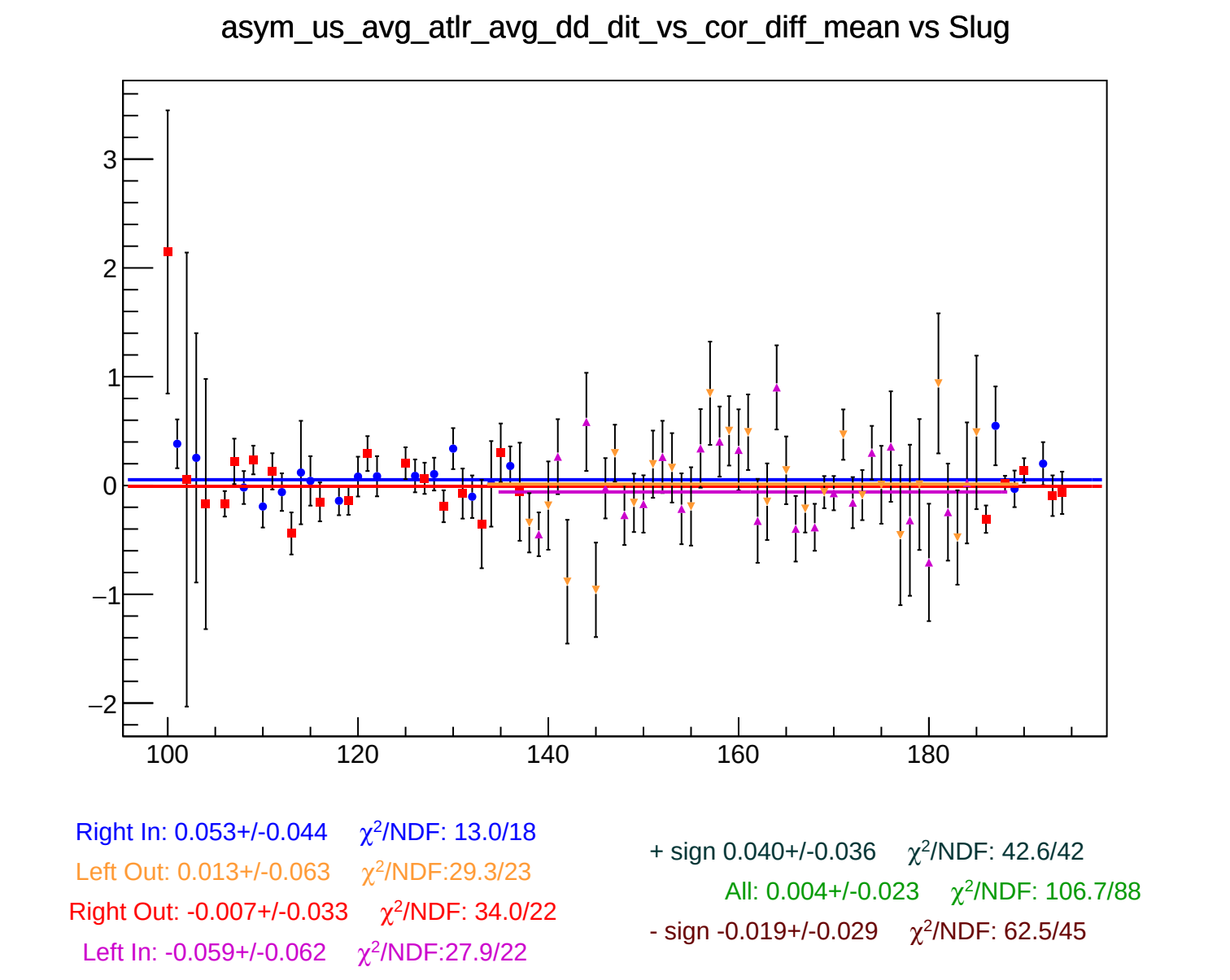
Right Out: 0.000+/-0.000 χ^2/NDF: 6334378.4/22

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7671080.3/42

All: 0.000+/-0.000 χ^2/NDF: 21060544.9/88

- sign 0.000+/-0.000 χ^2/NDF: 12573012.4/45


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
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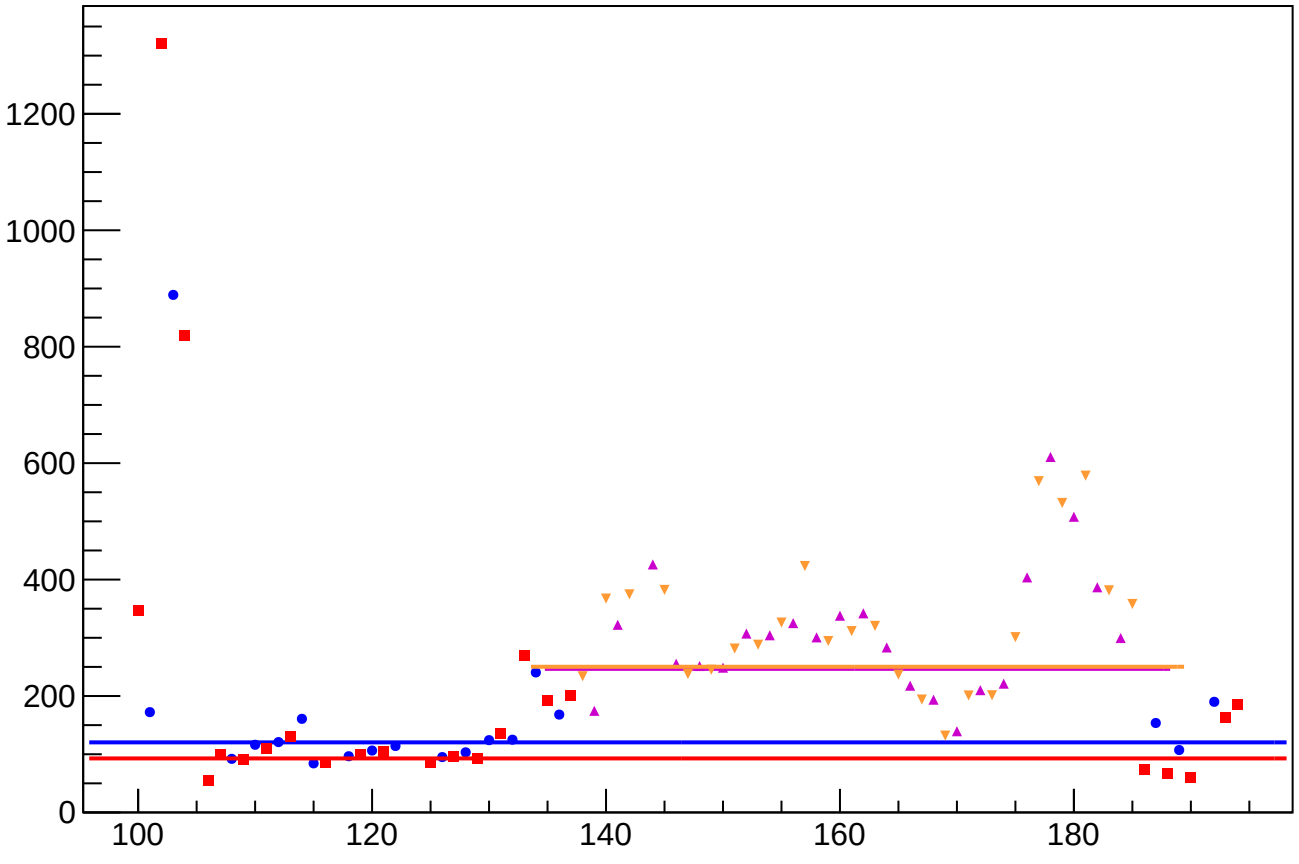
100
120
140
160
180
Right In: 0.053+/-0.044 χ²/NDF: 13.0/18
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.007+/-0.033 χ²/NDF: 34.0/22
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.036 χ²/NDF: 42.6/42
All: 0.004+/-0.023 χ²/NDF: 106.7/88
- sign -0.019+/-0.029 χ²/NDF: 62.5/45



Right In: 120.380+/-0.031 χ^2/NDF: 1909192.4/18

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

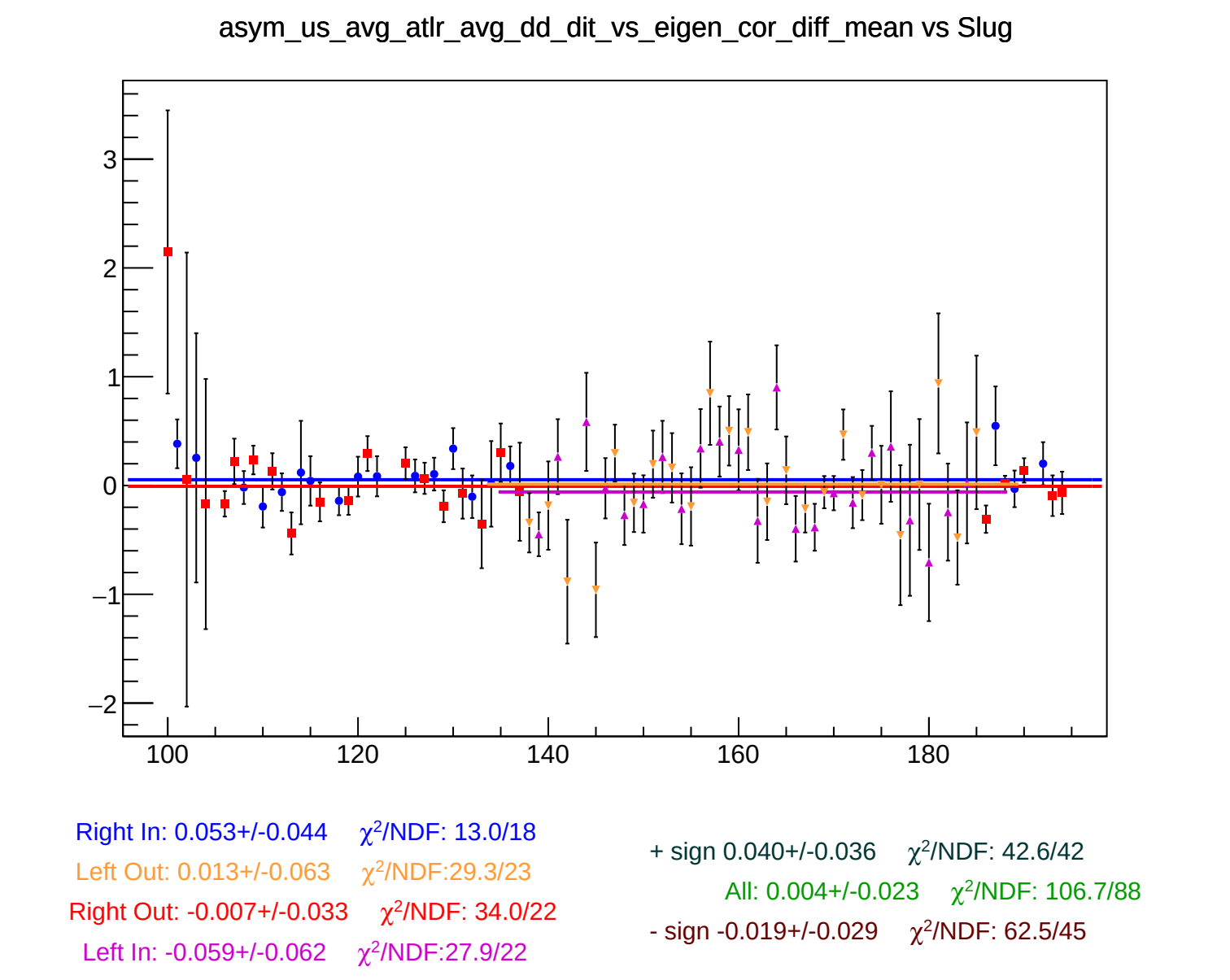
Right Out: 92.811+/-0.023 χ^2/NDF: 3932546.7/22

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.182+/-0.026 χ^2/NDF: 11958470.6/42

All: 141.187+/-0.016 χ^2/NDF: 30465755.0/88

- sign 126.873+/-0.021 χ^2/NDF: 17286592.5/45


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
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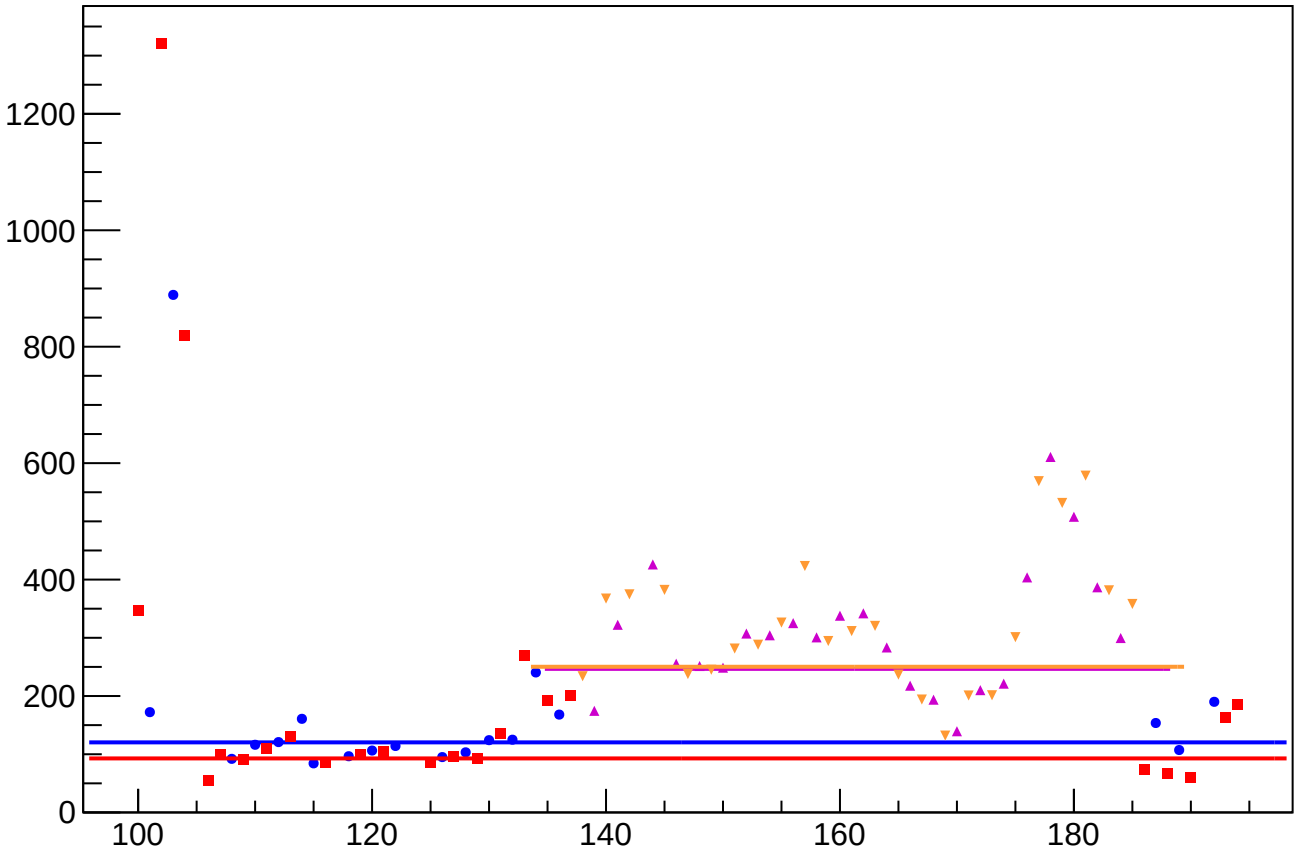
−1
−2
100
120
140
160
180
Right In: 0.053+/-0.044 χ²/NDF: 13.0/18
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.007+/-0.033 χ²/NDF: 34.0/22
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.036 χ²/NDF: 42.6/42
All: 0.004+/-0.023 χ²/NDF: 106.7/88
- sign -0.019+/-0.029 χ²/NDF: 62.5/45



Right In: 120.380+/-0.031 χ^2/NDF: 1909192.4/18

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

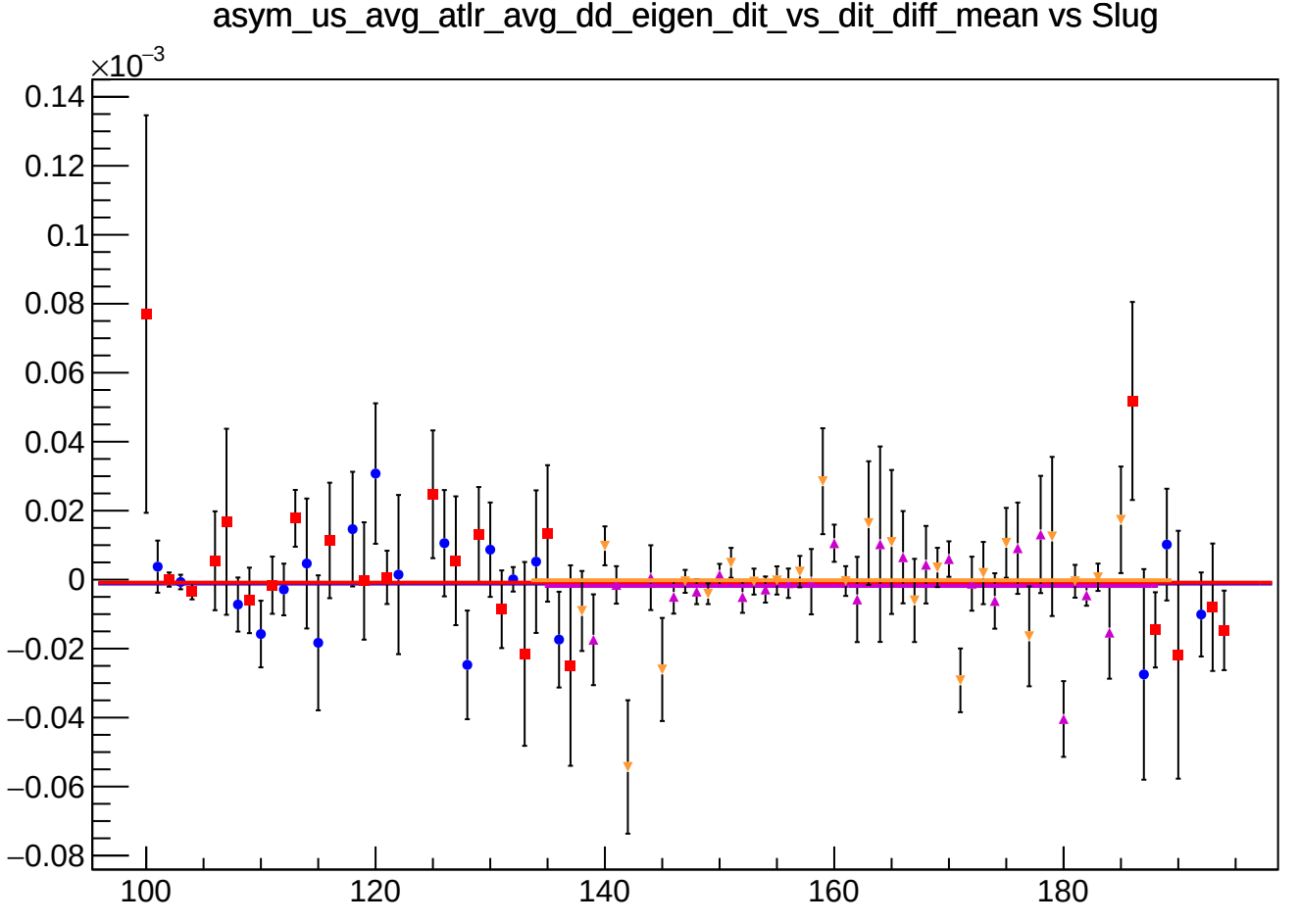
Right Out: 92.811+/-0.023 χ^2/NDF: 3932546.7/22

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 163.182+/-0.026 χ^2/NDF: 11958470.6/42

All: 141.187+/-0.016 χ^2/NDF: 30465755.0/88

- sign 126.873+/-0.021 χ^2/NDF: 17286592.5/45



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

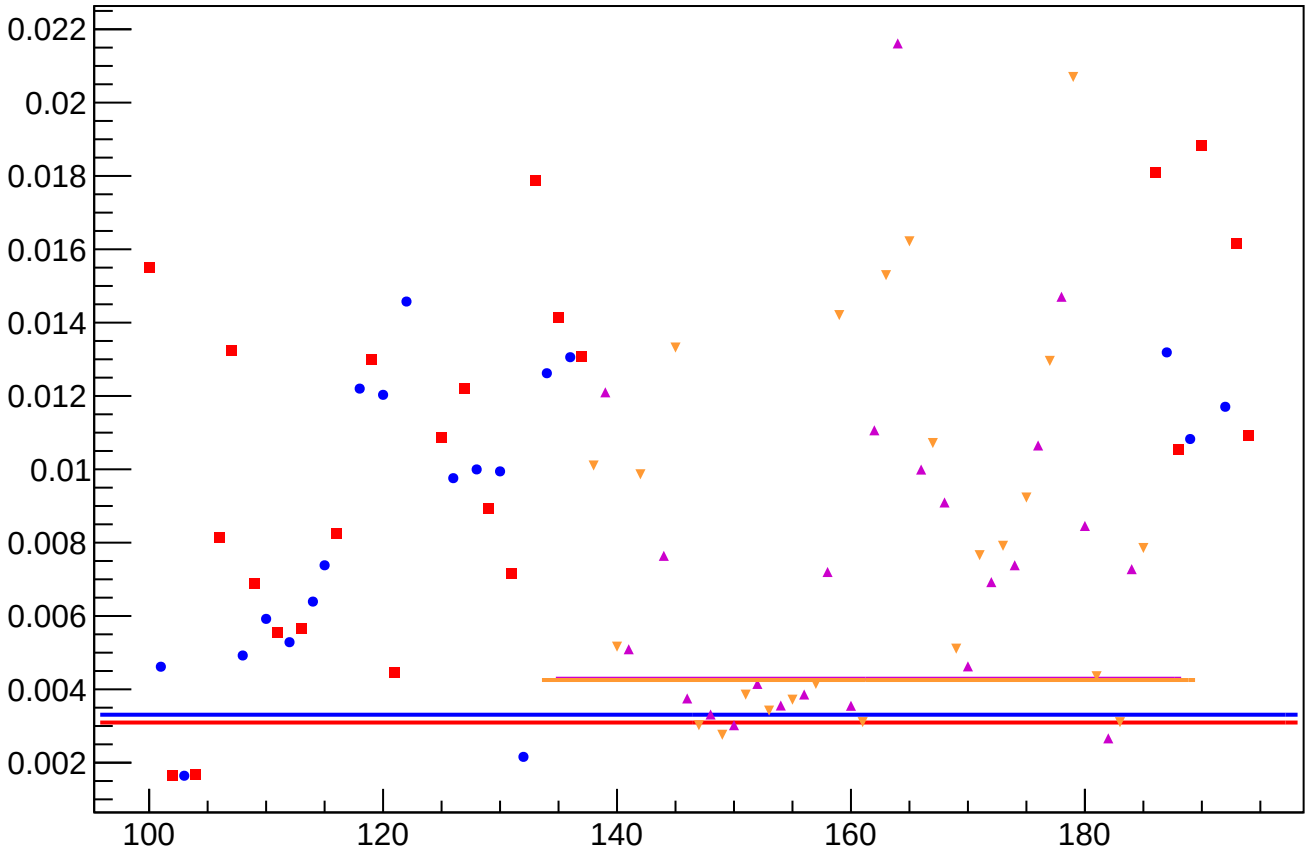
Right Out: -0.000+/-0.000 χ^2/NDF: 22.0/22

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.7/42

All: -0.000+/-0.000 χ^2/NDF: 102.7/88

- sign -0.000+/-0.000 χ^2/NDF: 50.5/45



Right In: 0.003+/-0.000 χ^2/NDF: 7599633.4/18

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

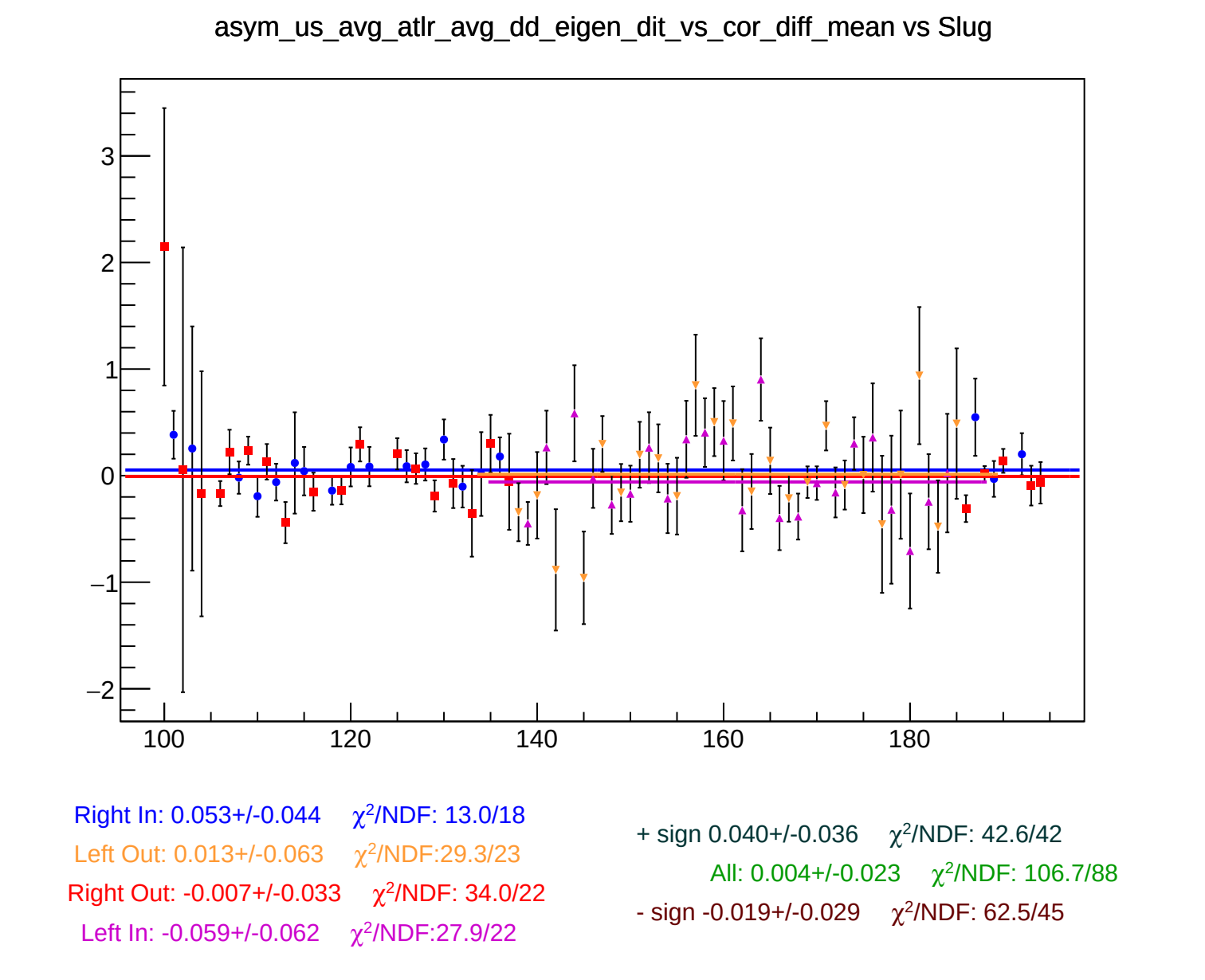
Right Out: 0.003+/-0.000 χ^2/NDF: 10633605.1/22

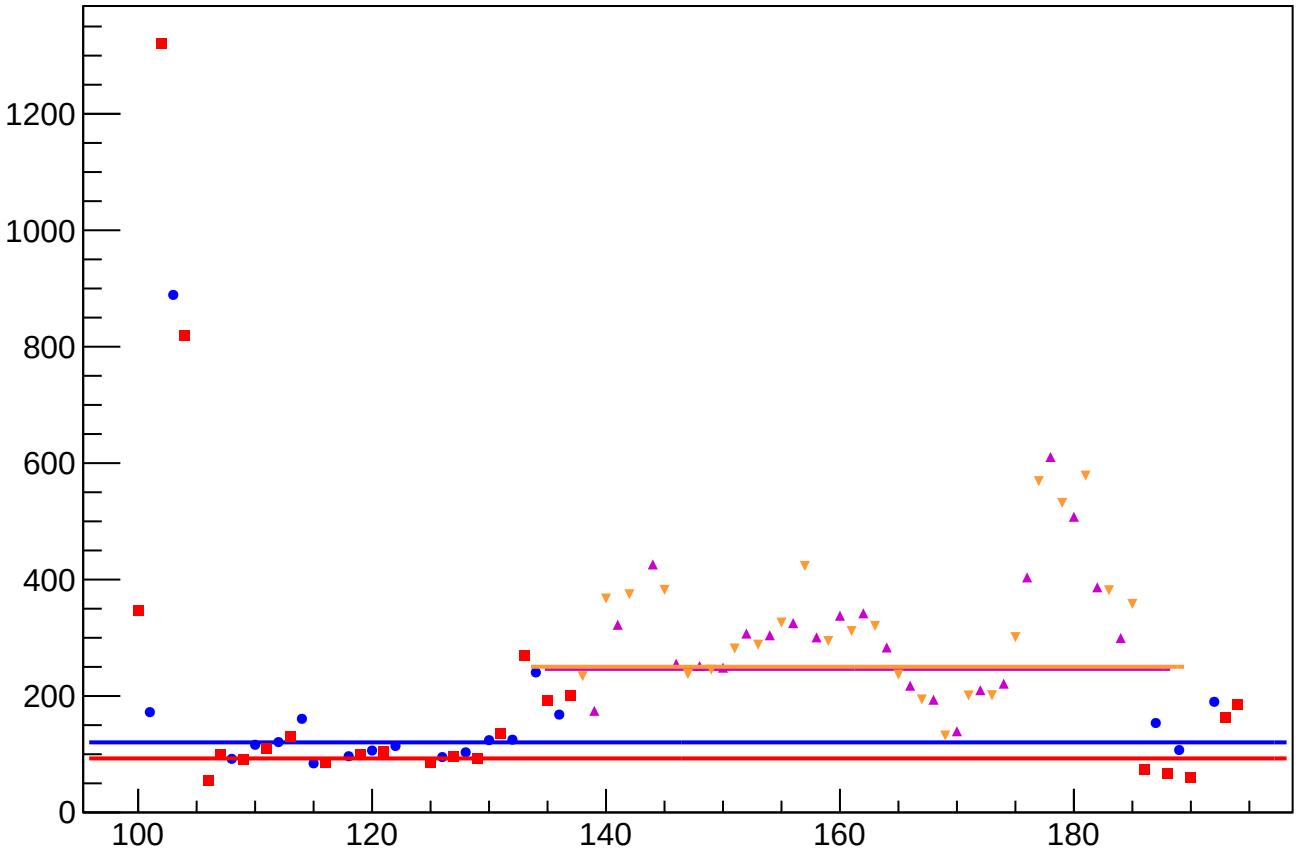
Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 16564058.5/42

All: 0.004+/-0.000 χ^2/NDF: 34687744.6/88

- sign 0.004+/-0.000 χ^2/NDF: 18101263.8/45


asym_us_avg_atlr_avg_dd_eigen_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: -0.007+/-0.033 χ²/NDF: 34.0/22
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.036 χ²/NDF: 42.6/42
All: 0.004+/-0.023 χ²/NDF: 106.7/88
- sign -0.019+/-0.029 χ²/NDF: 62.5/45



Right In: 120.379+/-0.031 χ^2/NDF: 1909190.6/18

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

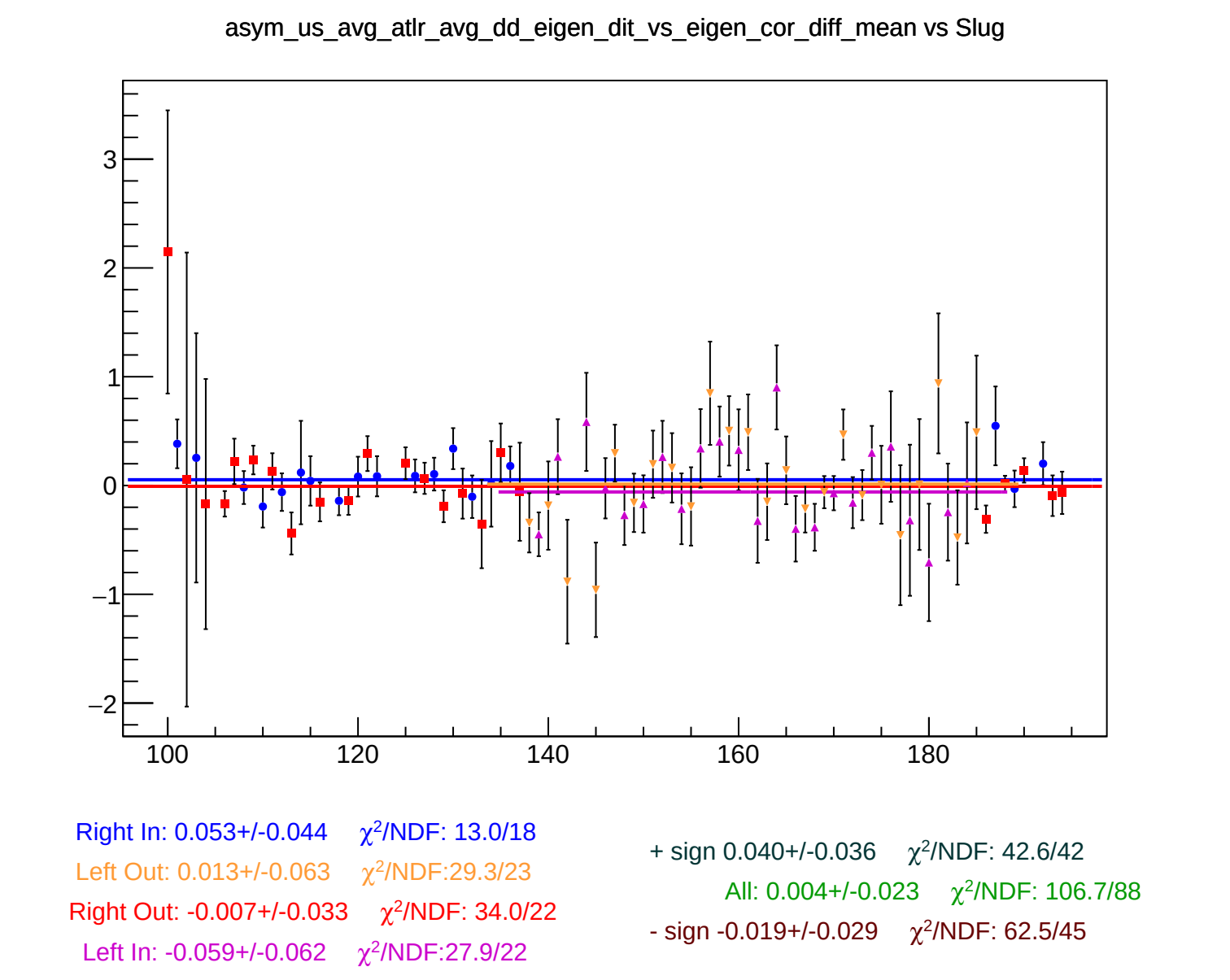
Right Out: 92.806+/-0.023 χ^2/NDF: 3932903.6/22

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 163.181+/-0.026 χ^2/NDF: 11958720.8/42

All: 141.183+/-0.016 χ^2/NDF: 30467559.8/88

- sign 126.868+/-0.021 χ^2/NDF: 17287814.1/45


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
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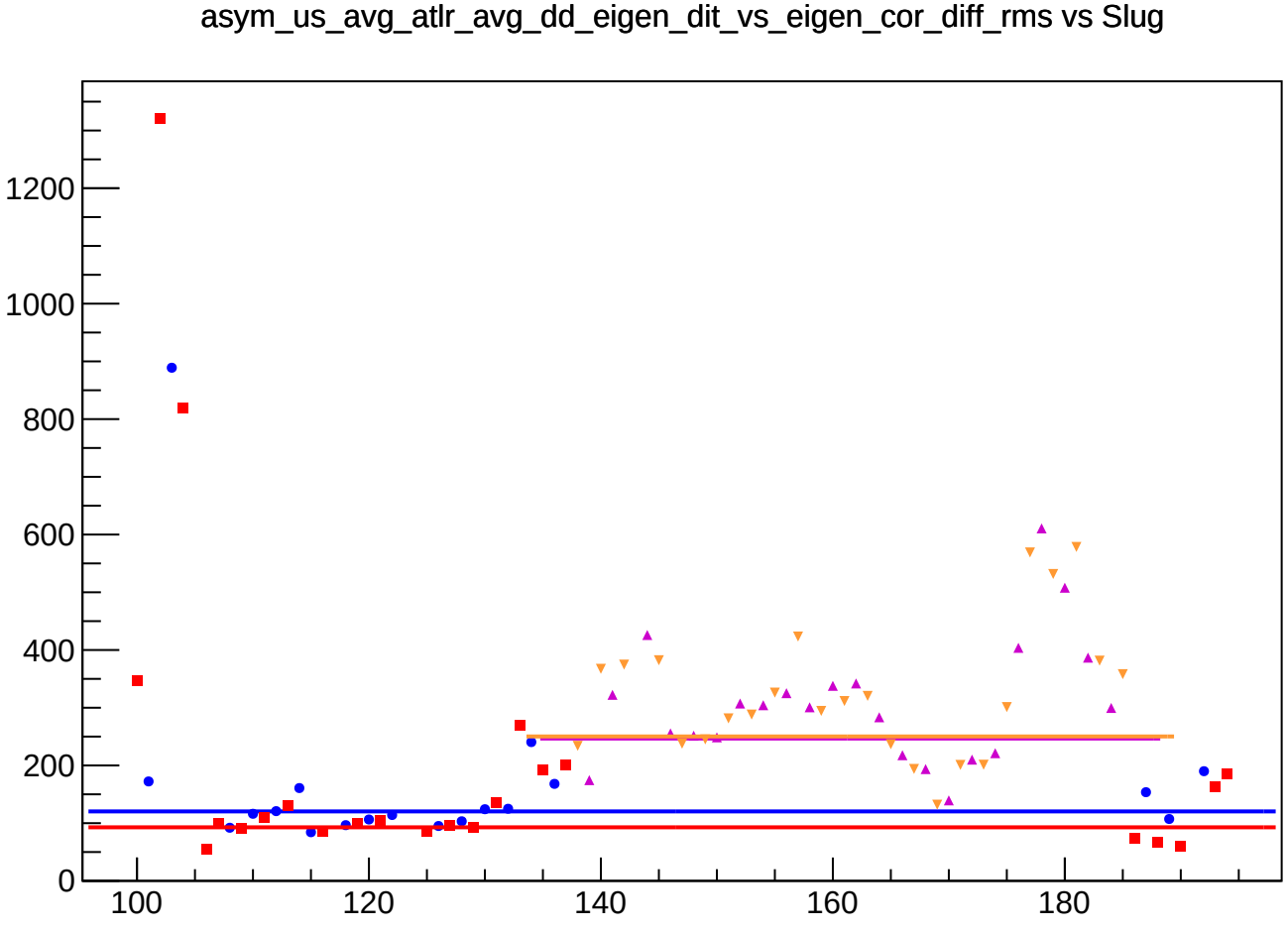
−2
100
120
140
160
180
Right In: 0.053+/-0.044 χ²/NDF: 13.0/18
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.007+/-0.033 χ²/NDF: 34.0/22
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.036 χ²/NDF: 42.6/42
All: 0.004+/-0.023 χ²/NDF: 106.7/88
- sign -0.019+/-0.029 χ²/NDF: 62.5/45



Right In: 120.379+/-0.031 χ^2/NDF: 1909190.6/18

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

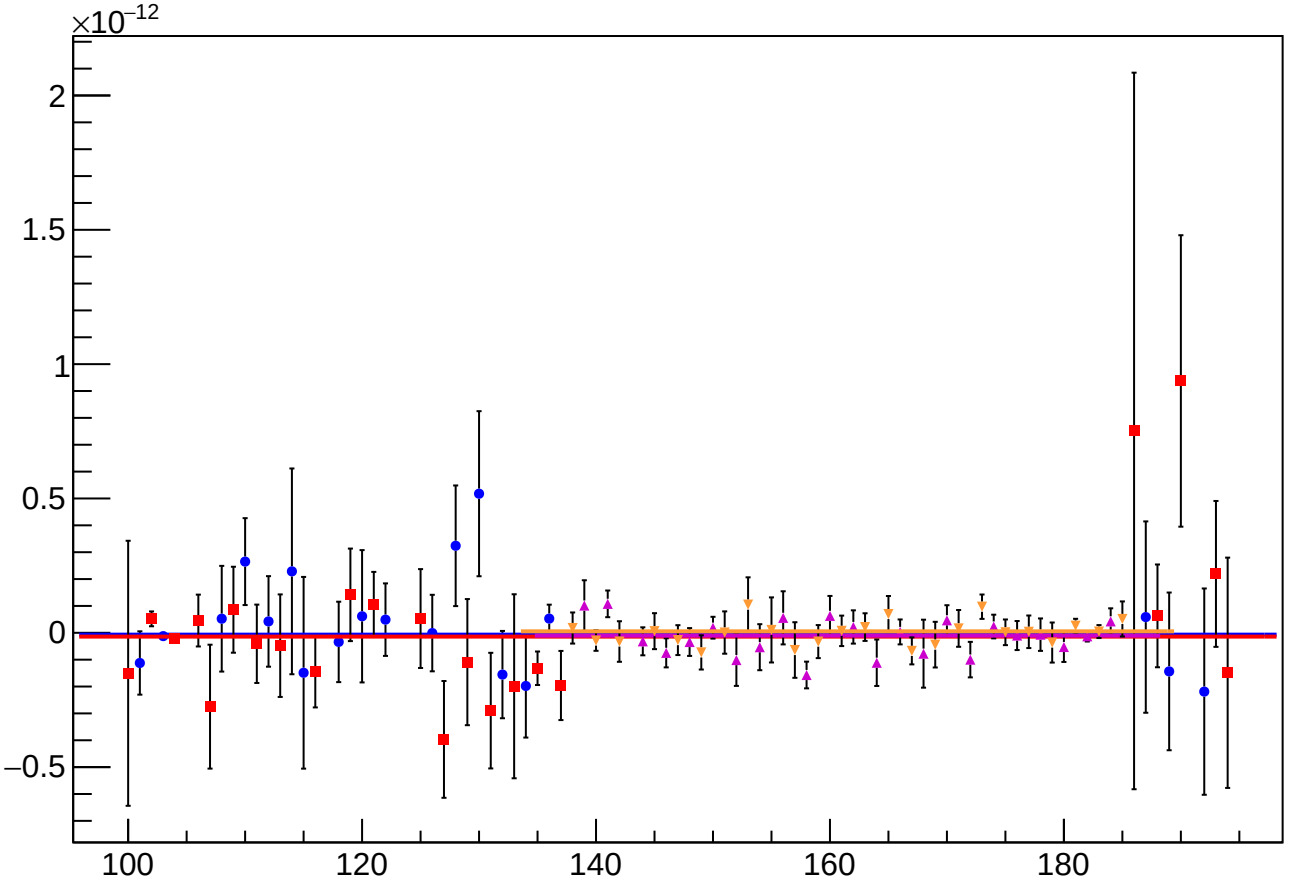
Right Out: 92.806+/-0.023 χ^2/NDF: 3932903.6/22

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 163.181+/-0.026 χ^2/NDF: 11958720.8/42

All: 141.183+/-0.016 χ^2/NDF: 30467559.8/88

- sign 126.868+/-0.021 χ^2/NDF: 17287814.1/45



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

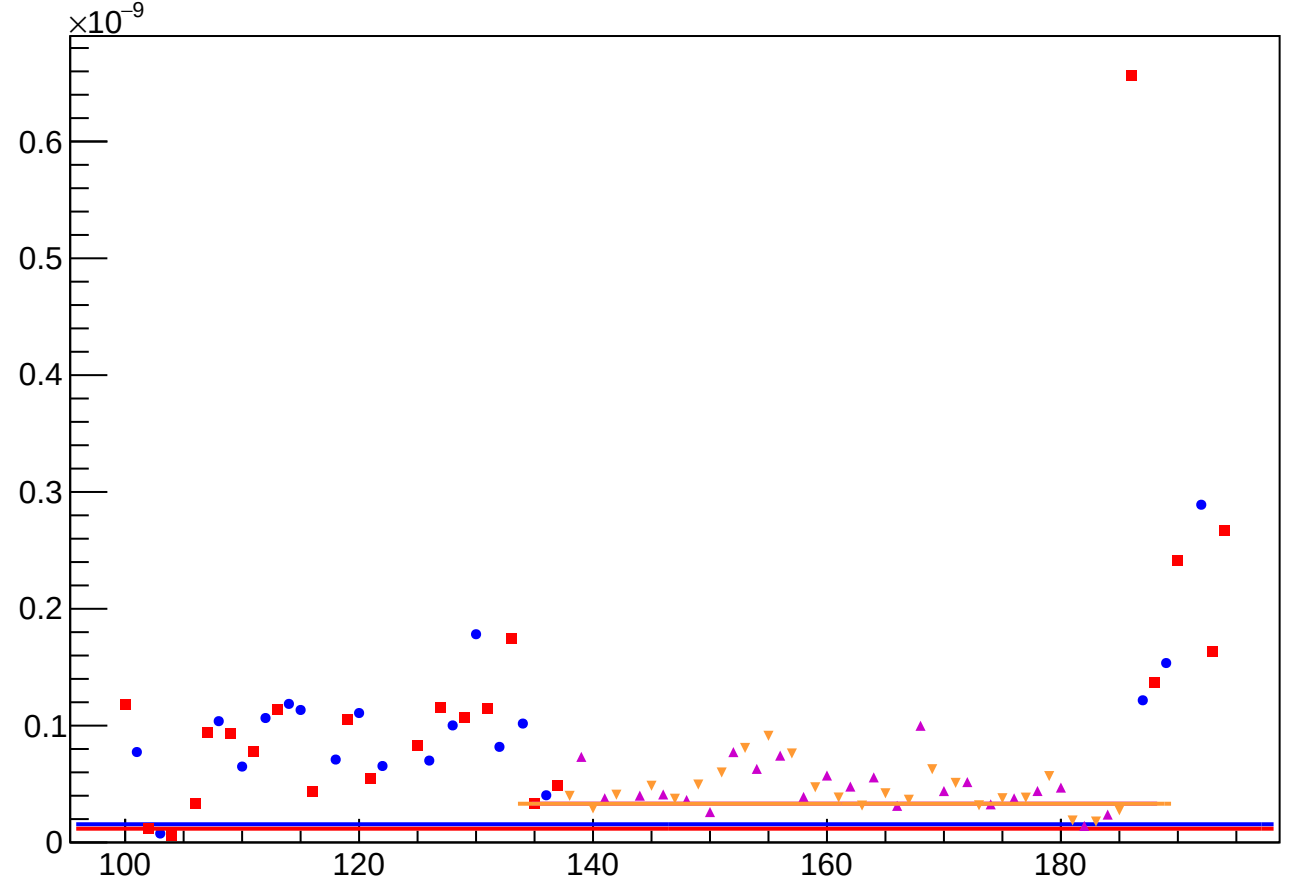
Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/22

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.0/42

All: -0.000+/-0.000 χ^2/NDF: 83.7/88

- sign -0.000+/-0.000 χ^2/NDF: 54.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 7533251.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8892156.2/22

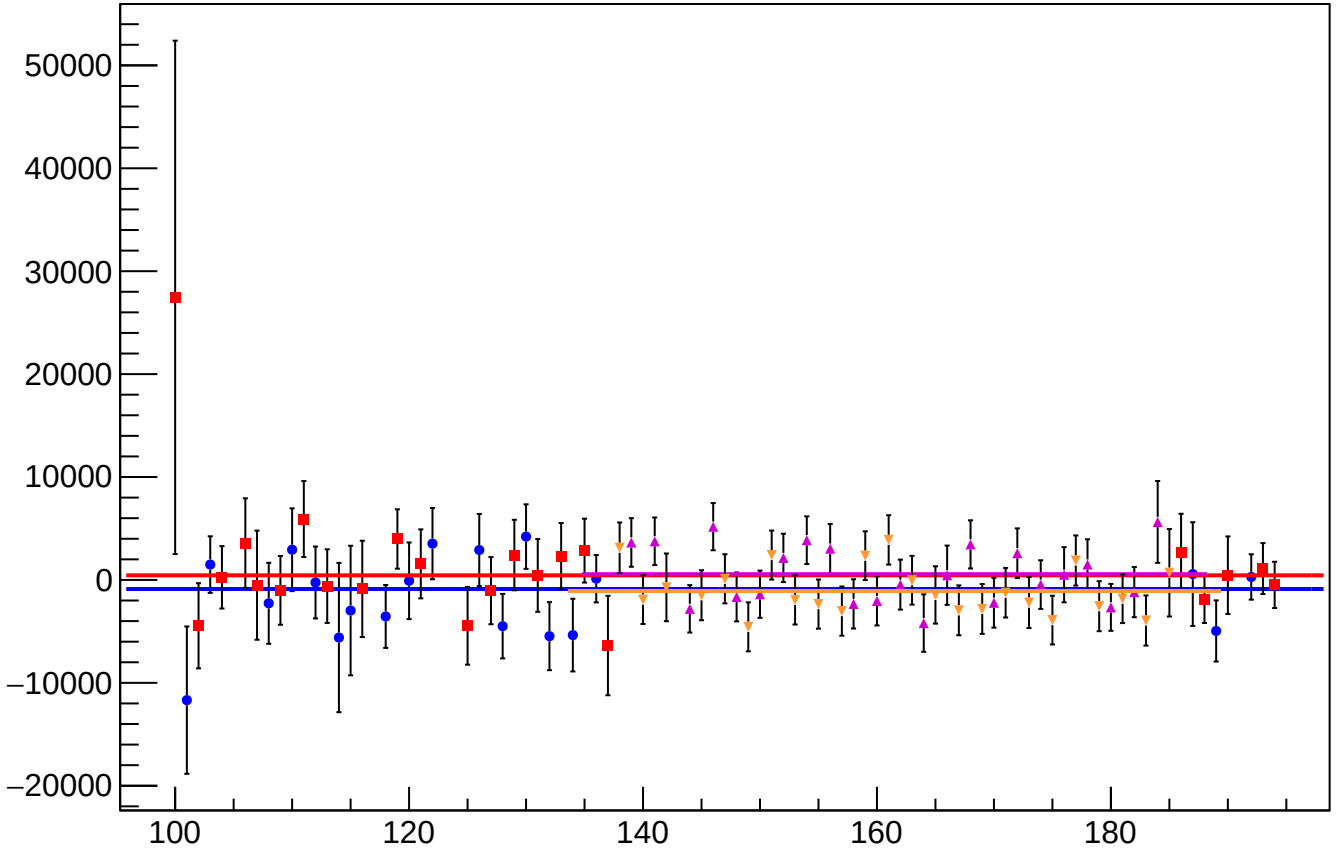
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13897589.0/42

All: 0.000+/-0.000 χ^2/NDF: 32531278.0/88

- sign 0.000+/-0.000 χ^2/NDF: 18354812.6/45

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: 446.753+/-704.861 χ^2/NDF: 14.0/22

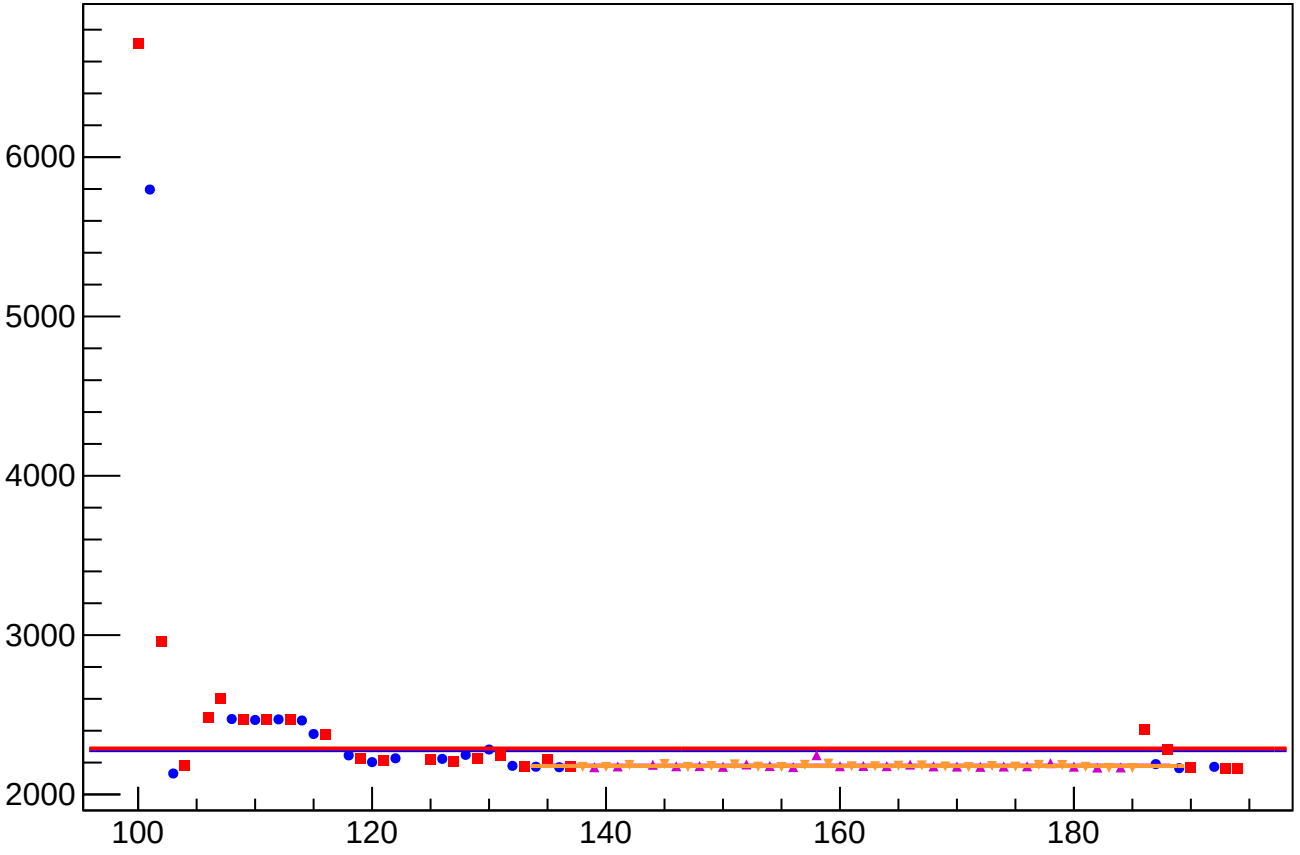
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

\+ sign -1015.057+/-423.170 χ^2/NDF: 39.8/42

All: -228.819+/-295.479 χ^2/NDF: 89.2/88

\- sign 519.228+/-412.765 χ^2/NDF: 42.7/45

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

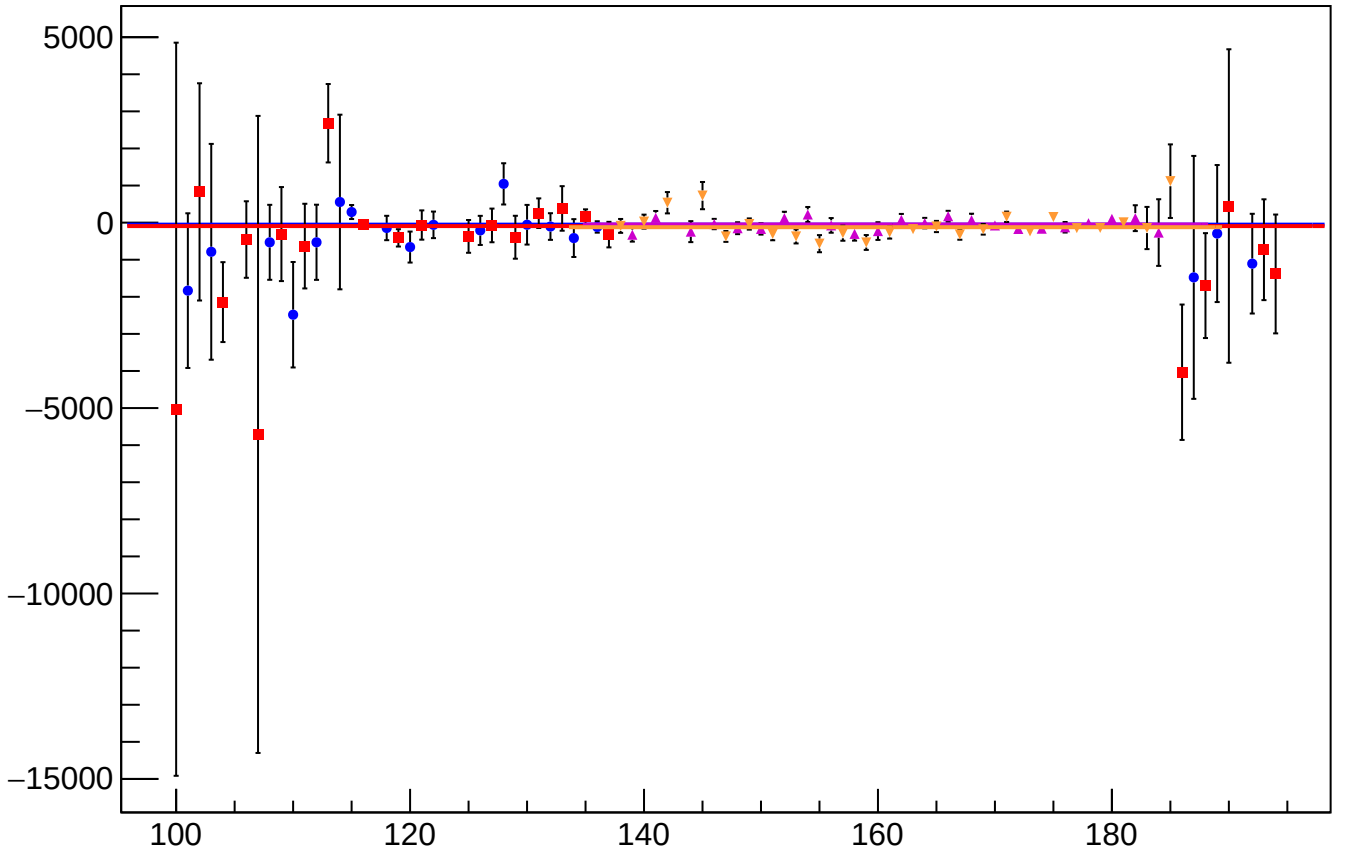
Right Out: 2288.341+/-0.498 χ^2/NDF: 170172.4/22

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2208.074+/-0.299 χ^2/NDF: 547961.3/42

All: 2213.036+/-0.209 χ^2/NDF: 751059.3/88

- sign 2217.756+/-0.292 χ^2/NDF: 202561.4/45



Right In: -54.413+/-90.563 χ^2/NDF: 15.2/18

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: -93.222+/-81.889 χ^2/NDF: 24.5/22

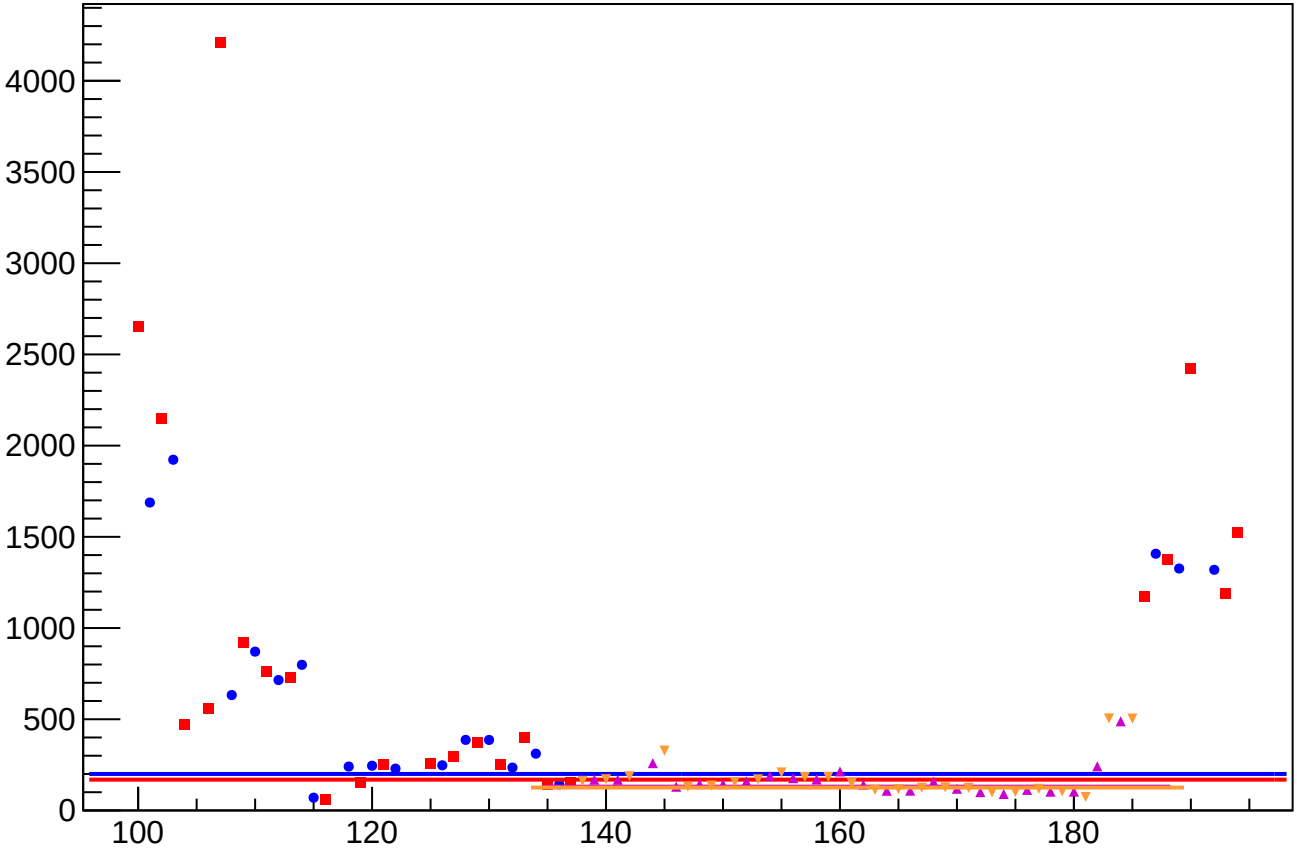
Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -115.643+/-29.674 χ^2/NDF: 59.5/42

All: -86.472+/-21.181 χ^2/NDF: 104.5/88

- sign -56.169+/-30.244 χ^2/NDF: 43.0/45

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 200.155+/-0.064 χ^2/NDF: 7483892.0/18

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 168.998+/-0.058 χ^2/NDF: 11397994.9/22

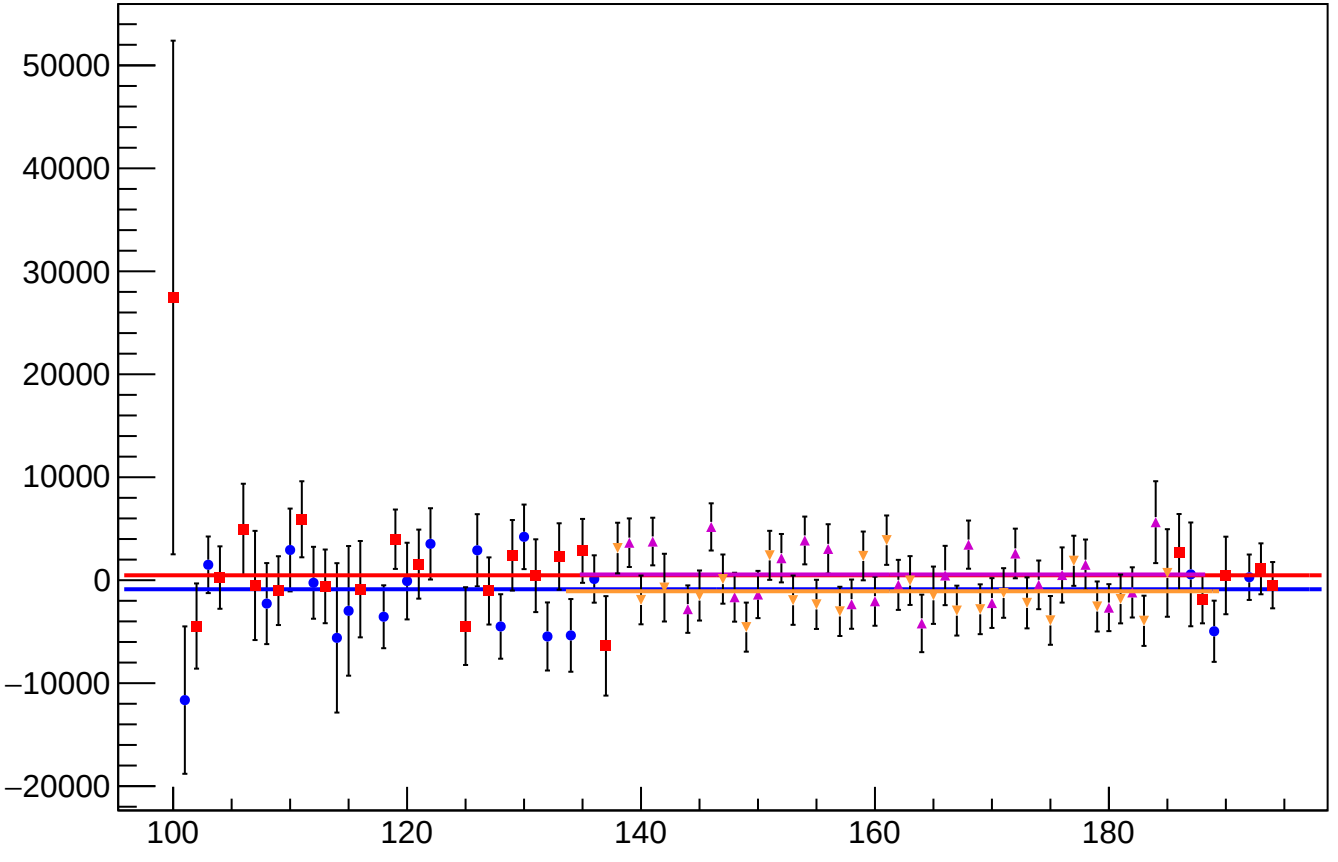
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 133.521+/-0.021 χ^2/NDF: 12639595.3/42

All: 134.588+/-0.015 χ^2/NDF: 27105566.4/88

- sign 135.696+/-0.021 χ^2/NDF: 14460698.4/45

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: 477.419+/-705.245 χ^2/NDF: 14.5/22

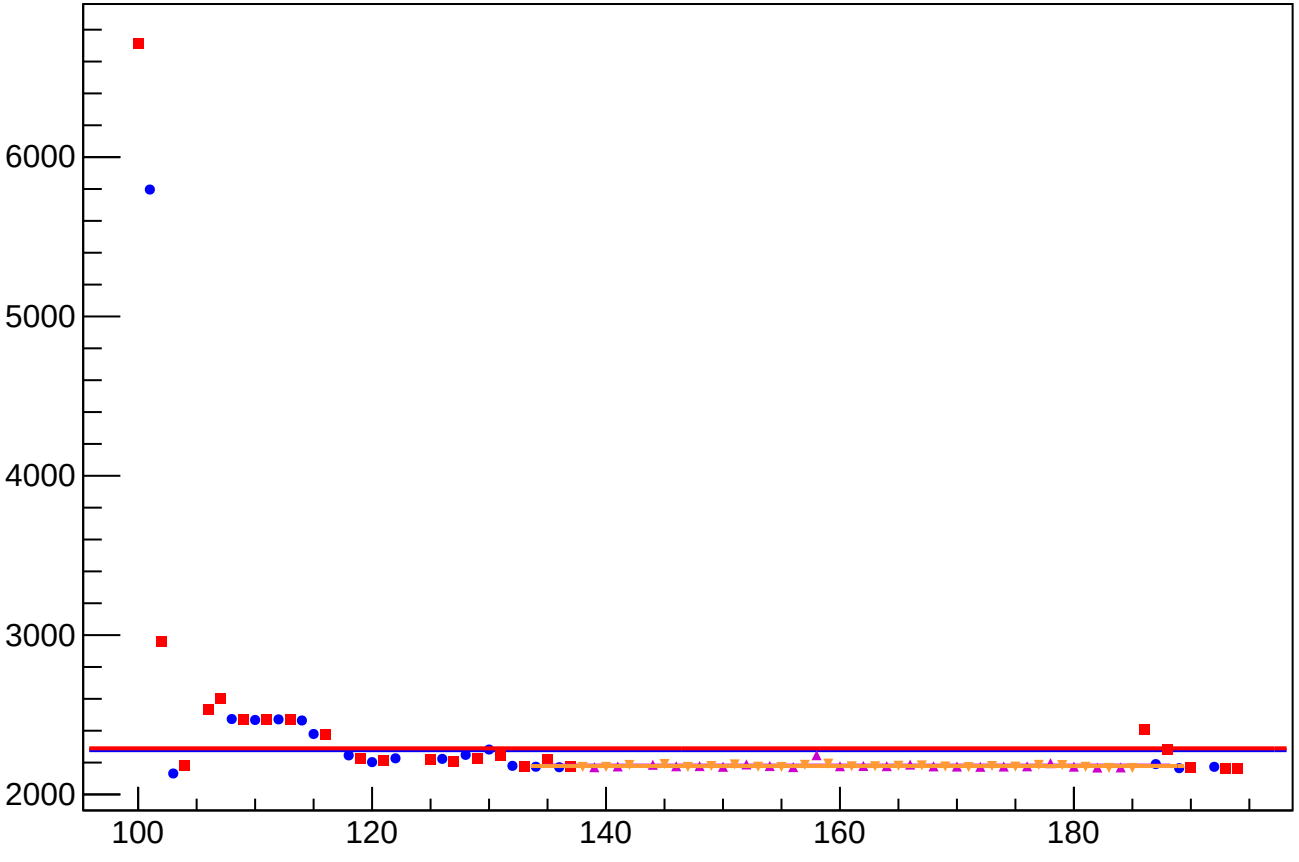
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -1014.772+/-423.170 χ^2/NDF: 39.7/42

All: -223.417+/-295.507 χ^2/NDF: 89.8/88

- sign 529.781+/-412.842 χ^2/NDF: 43.2/45

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

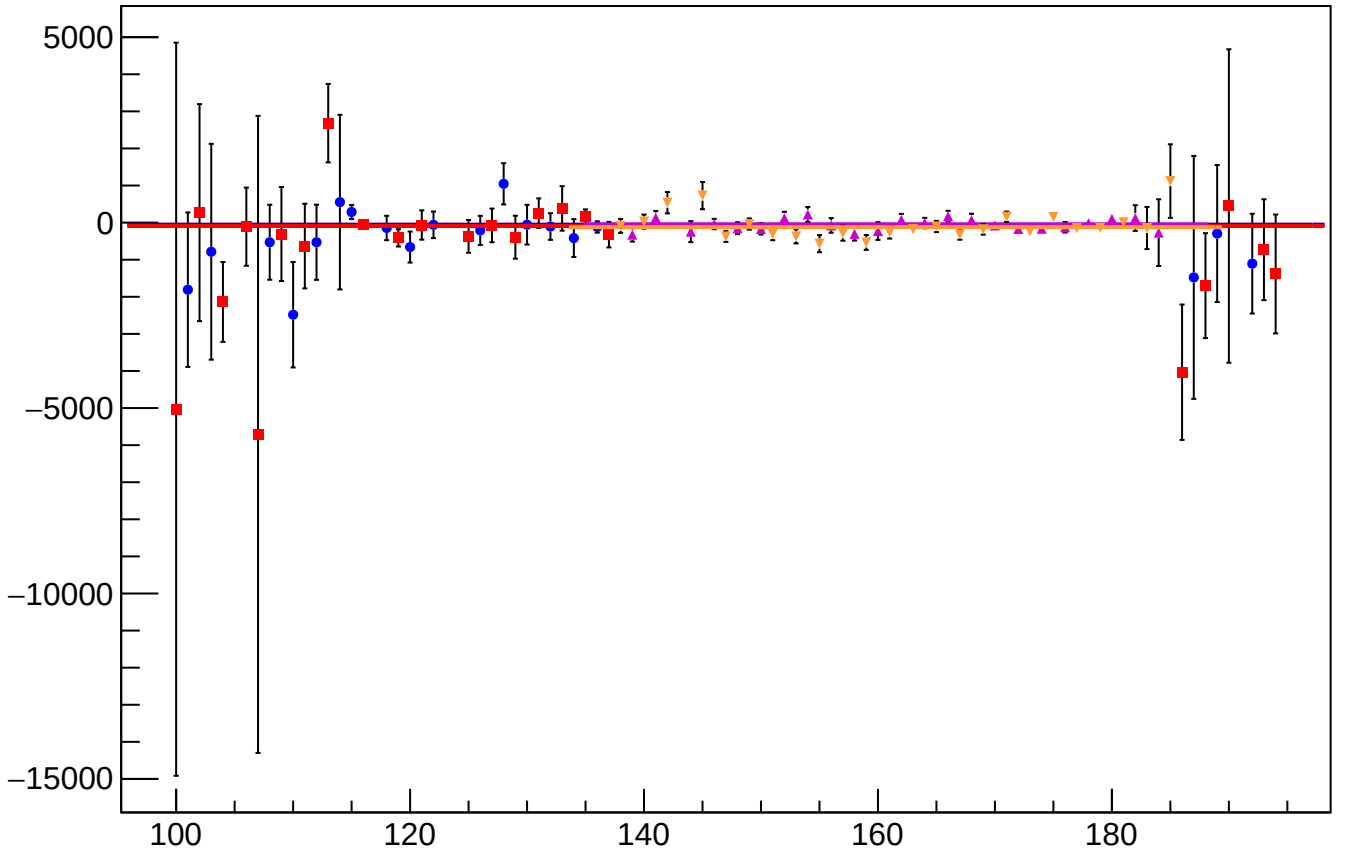
Right Out: 2289.405+/-0.499 χ^2/NDF: 172268.6/22

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2208.074+/-0.299 χ^2/NDF: 547961.6/42

All: 2213.208+/-0.209 χ^2/NDF: 753779.2/88

- sign 2218.095+/-0.292 χ^2/NDF: 205243.0/45



Right In: -54.447+/-90.569 χ^2/NDF: 15.2/18

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: -91.217+/-81.828 χ^2/NDF: 24.3/22

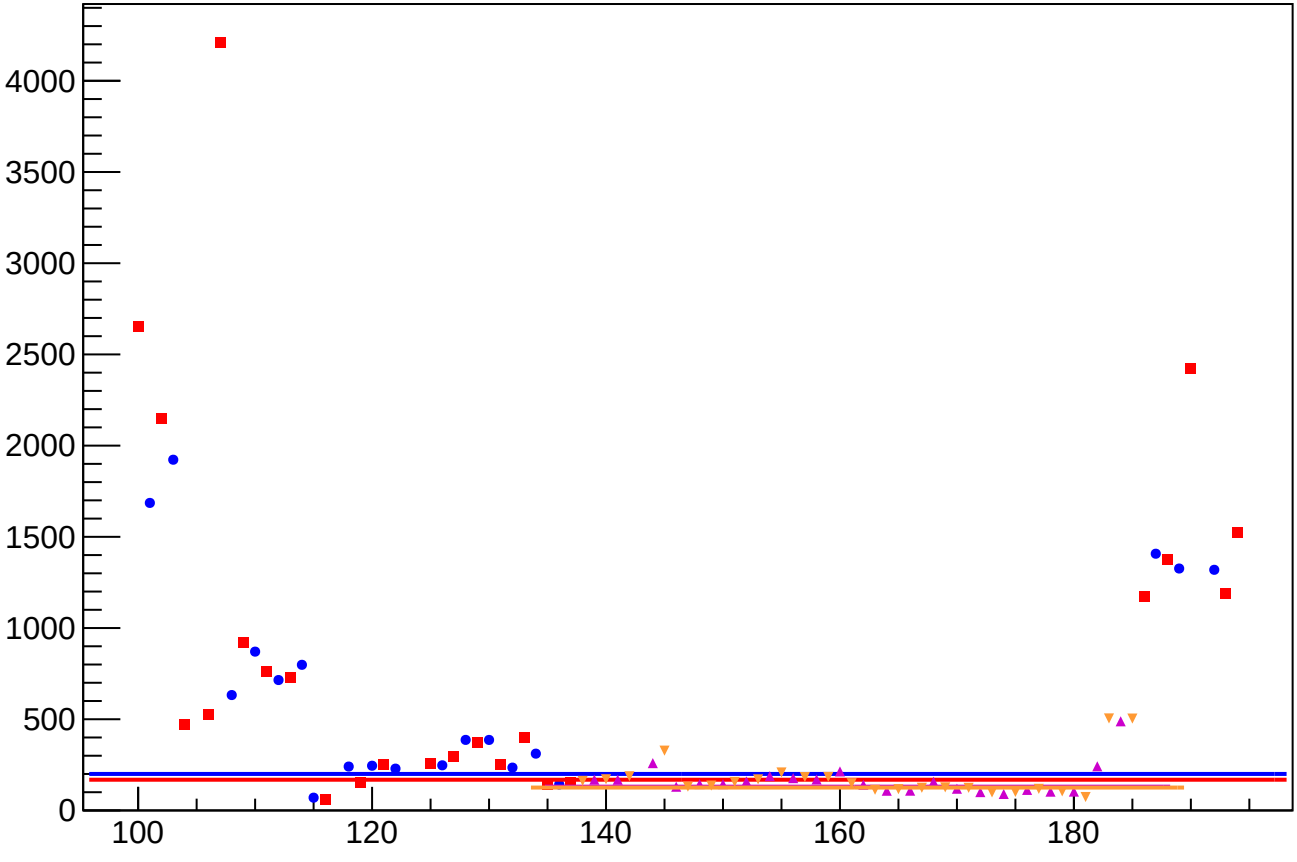
Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.576+/-29.674 χ^2/NDF: 59.5/42

All: -86.261+/-21.181 χ^2/NDF: 104.3/88

- sign -55.811+/-30.243 χ^2/NDF: 42.8/45

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 200.180+/-0.064 χ^2/NDF: 7482656.6/18

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 168.428+/-0.058 χ^2/NDF: 11357139.4/22

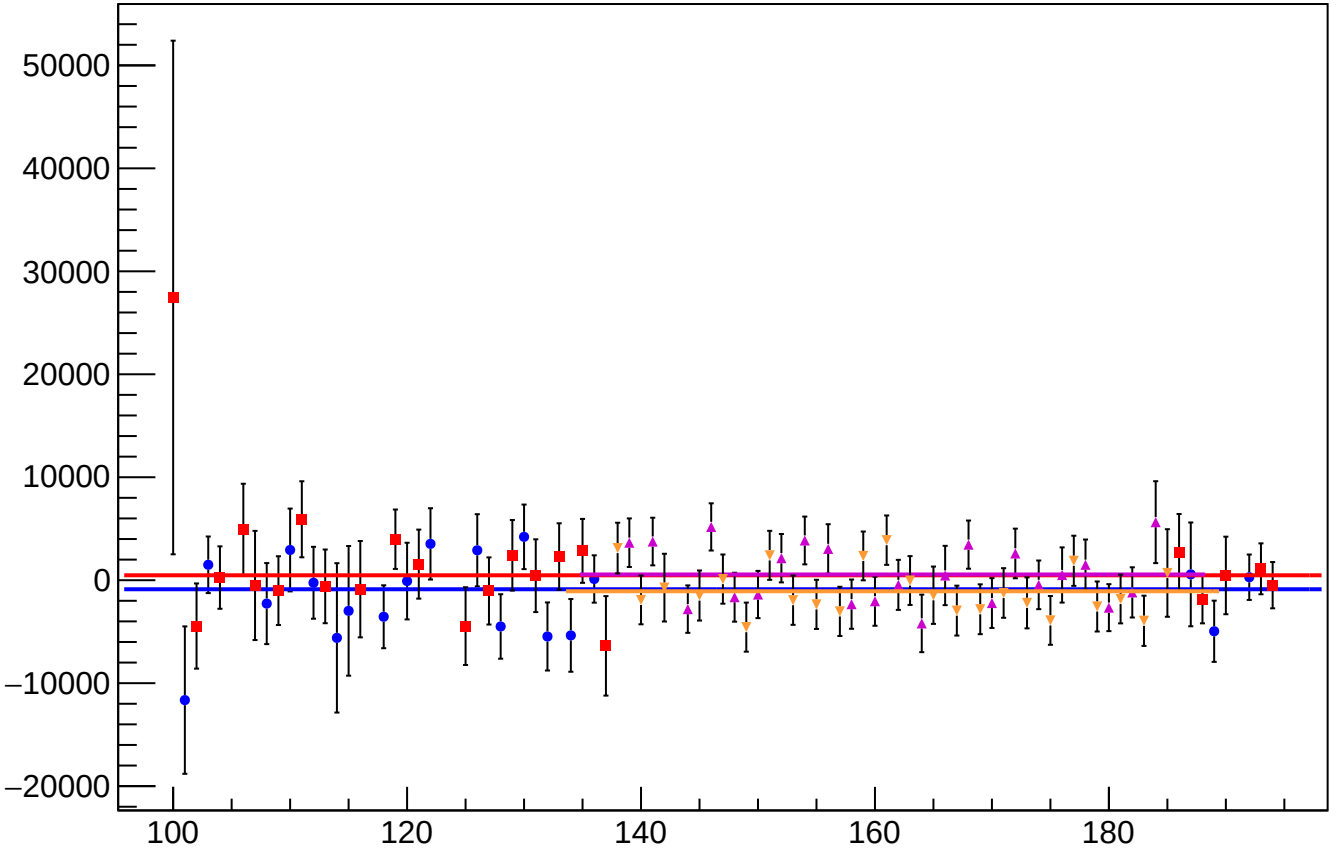
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 133.519+/-0.021 χ^2/NDF: 12639993.2/42

All: 134.559+/-0.015 χ^2/NDF: 27053451.7/88

- sign 135.639+/-0.021 χ^2/NDF: 14408453.6/45

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: 477.419+/-705.245 χ^2/NDF: 14.5/22

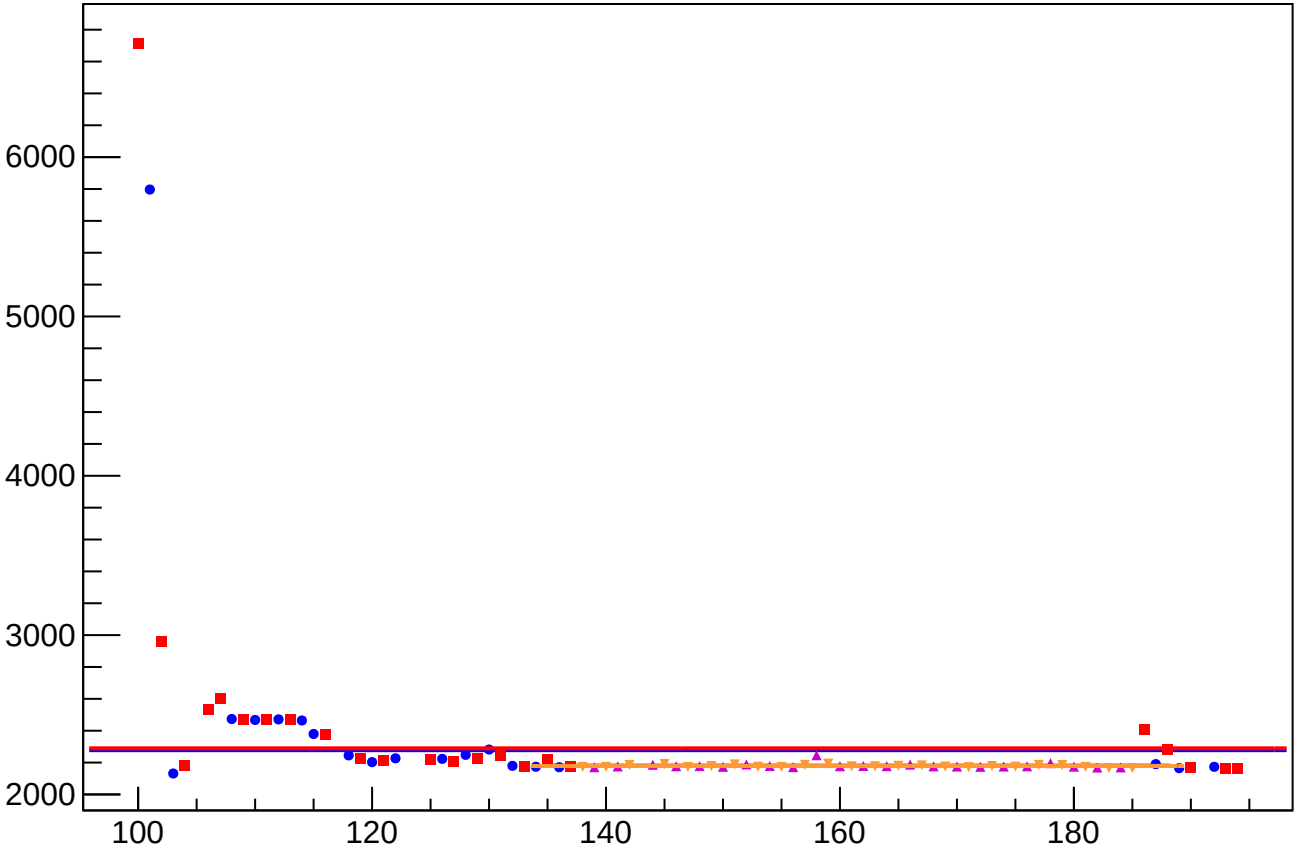
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -1014.772+/-423.170 χ^2/NDF: 39.7/42

All: -223.417+/-295.507 χ^2/NDF: 89.8/88

- sign 529.781+/-412.842 χ^2/NDF: 43.2/45

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

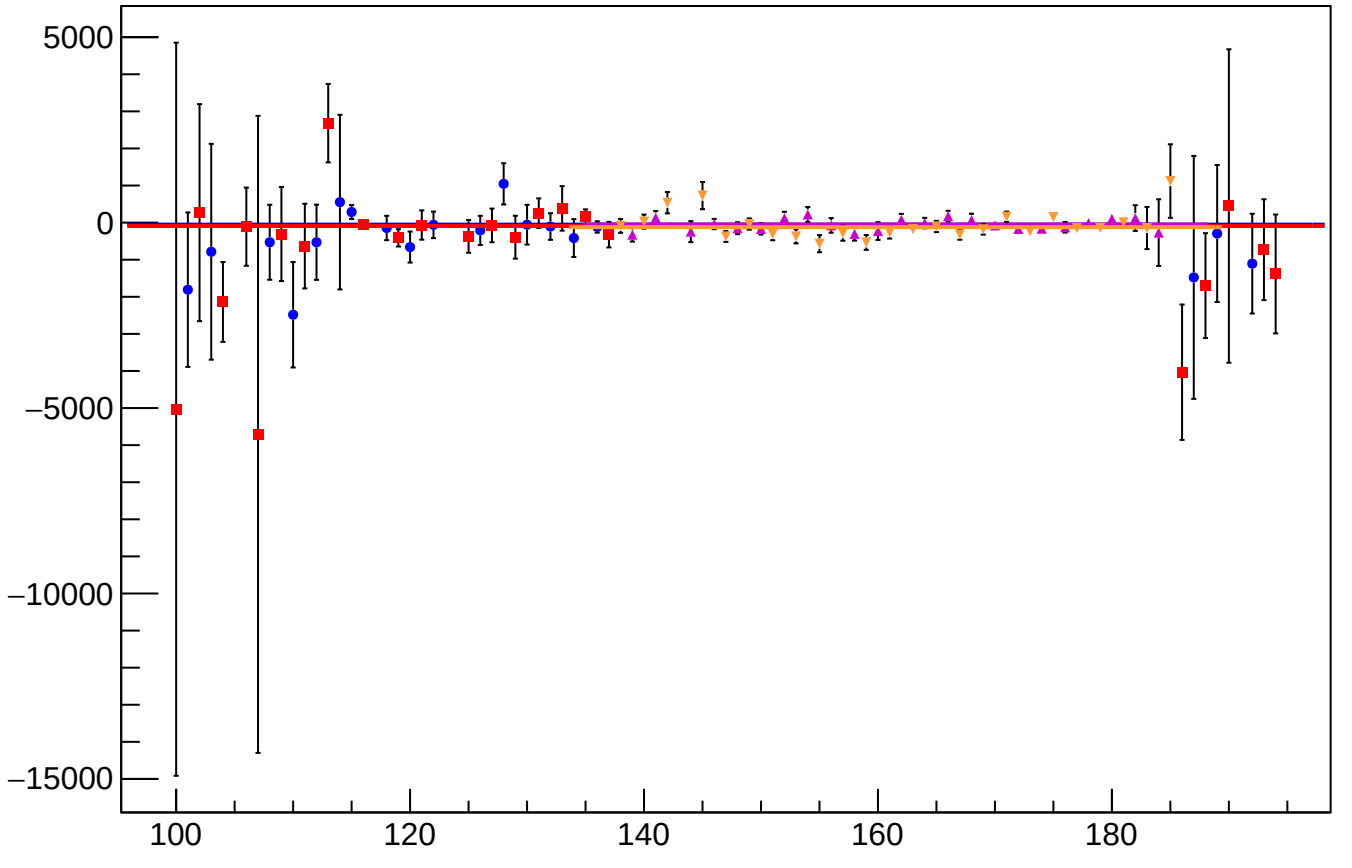
Right Out: 2289.405+/-0.499 χ^2/NDF: 172268.6/22

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2208.074+/-0.299 χ^2/NDF: 547961.6/42

All: 2213.208+/-0.209 χ^2/NDF: 753779.2/88

- sign 2218.095+/-0.292 χ^2/NDF: 205243.0/45



Right In: -54.447+/-90.569 χ^2/NDF: 15.2/18

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

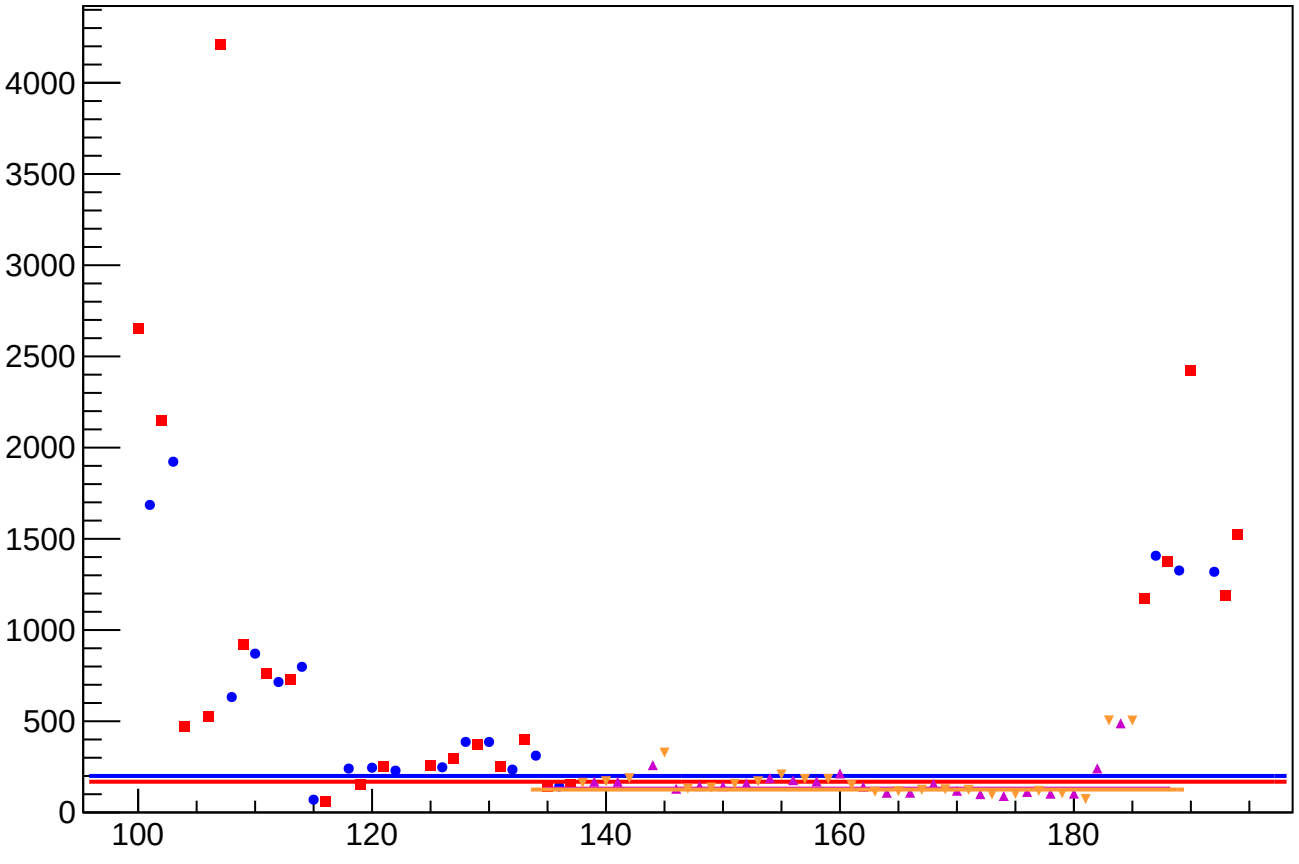
Right Out: -91.217+/-81.828 χ^2/NDF: 24.3/22

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.576+/-29.674 χ^2/NDF: 59.5/42

All: -86.261+/-21.181 χ^2/NDF: 104.3/88

- sign -55.811+/-30.243 χ^2/NDF: 42.8/45



Right In: 200.180+/-0.064 χ^2/NDF: 7482656.6/18

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 168.428+/-0.058 χ^2/NDF: 11357139.4/22

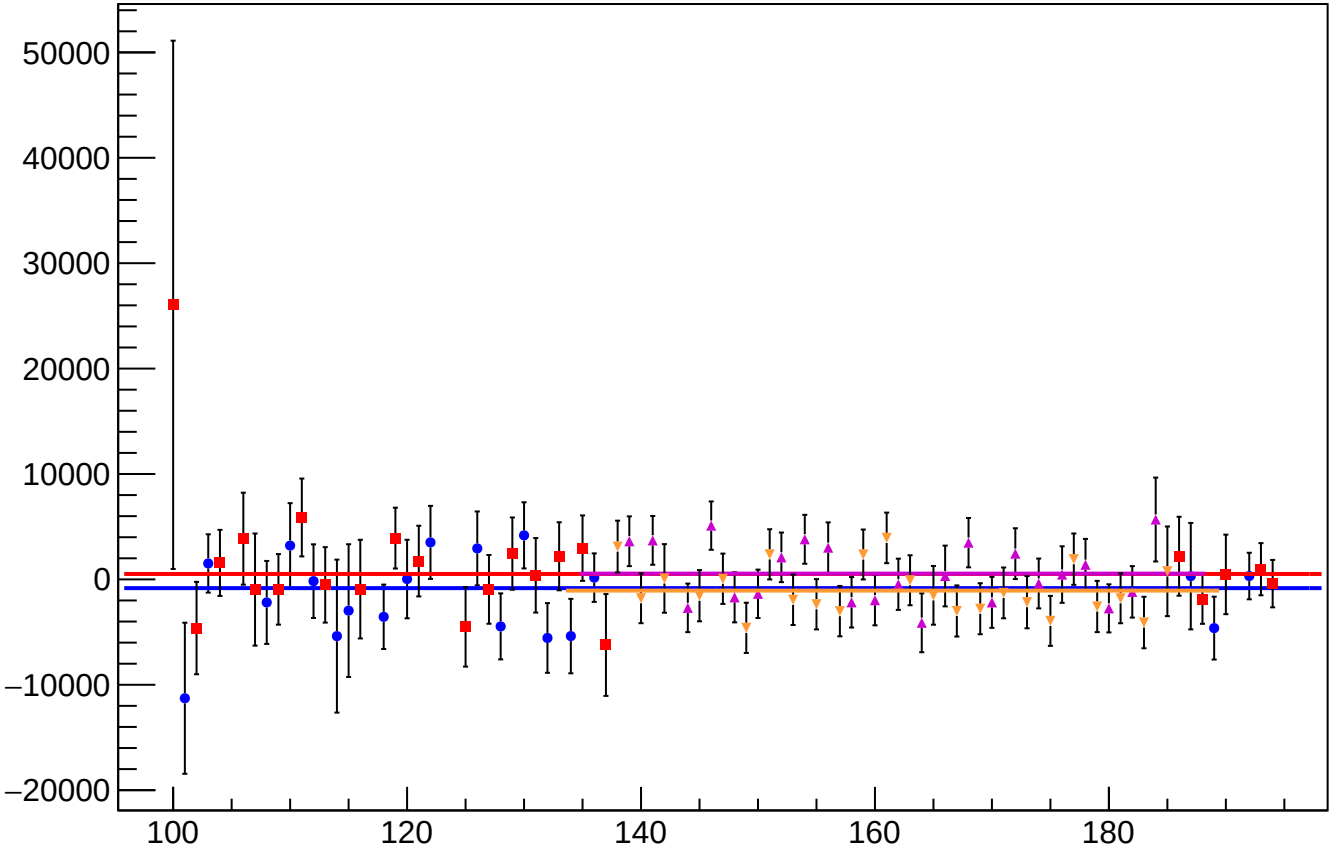
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 133.519+/-0.021 χ^2/NDF: 12639993.2/42

All: 134.559+/-0.015 χ^2/NDF: 27053451.7/88

- sign 135.639+/-0.021 χ^2/NDF: 14408453.6/45

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: 514.105+/-707.765 χ^2/NDF: 13.8/22

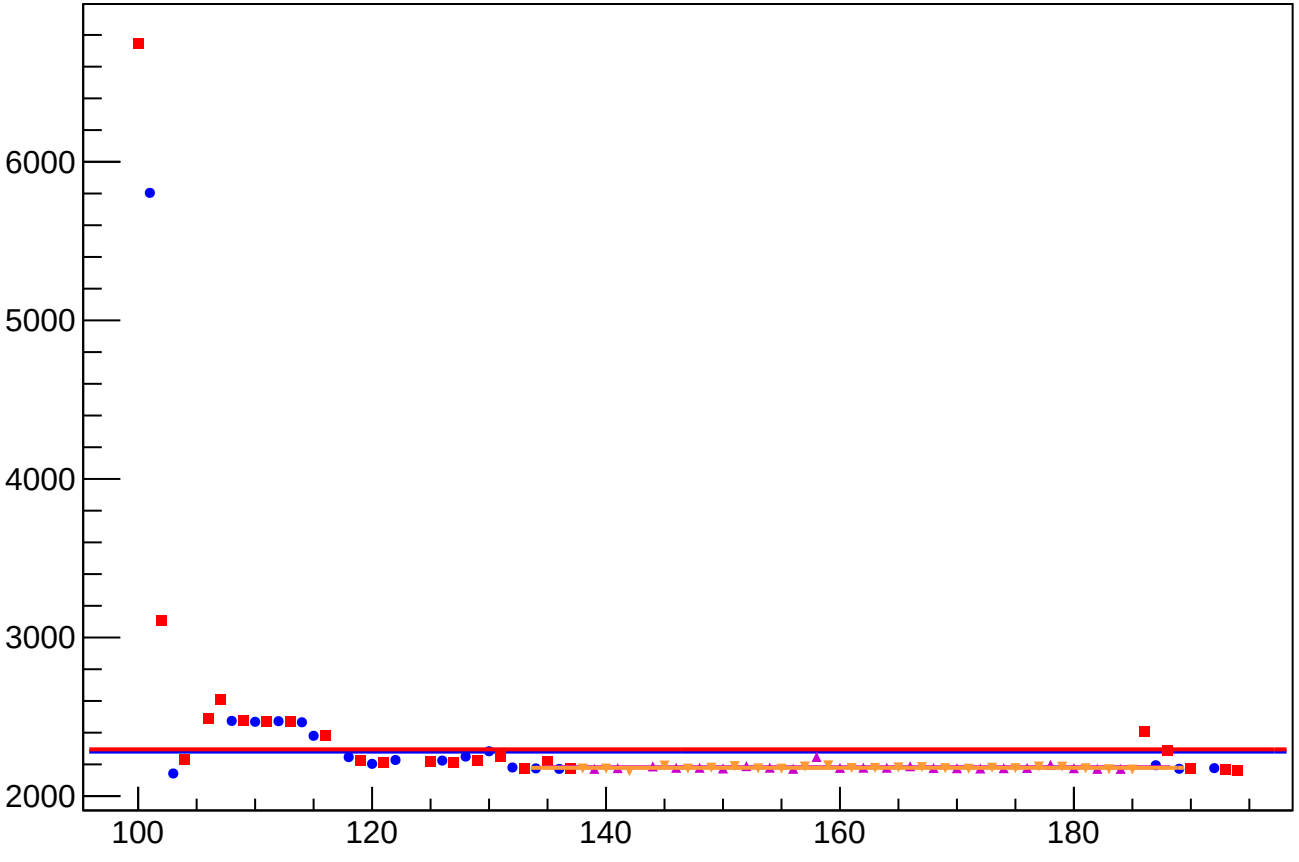
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -992.706+/-423.382 χ^2/NDF: 39.8/42

All: -211.281+/-295.808 χ^2/NDF: 88.1/88

- sign 533.969+/-413.466 χ^2/NDF: 41.7/45

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: 2294.789+/-0.500 χ^2/NDF: 186932.3/22

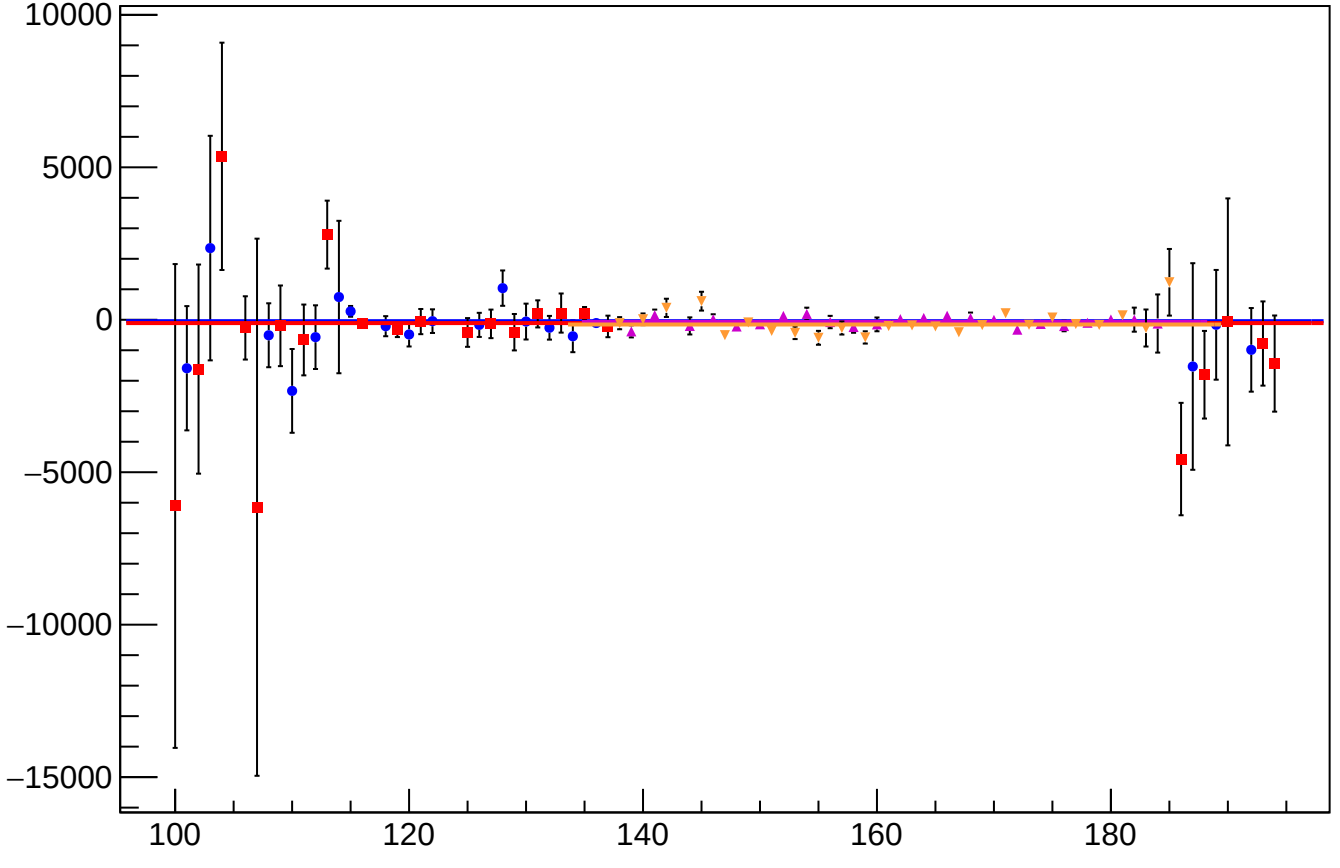
Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2209.008+/-0.299 χ^2/NDF: 548302.3/42

All: 2214.846+/-0.209 χ^2/NDF: 771342.9/88

- sign 2220.414+/-0.292 χ^2/NDF: 222297.5/45

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug



Right In: -45.810+/-92.045 χ^2/NDF: 14.7/18

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: -108.729+/-85.530 χ^2/NDF: 23.2/22

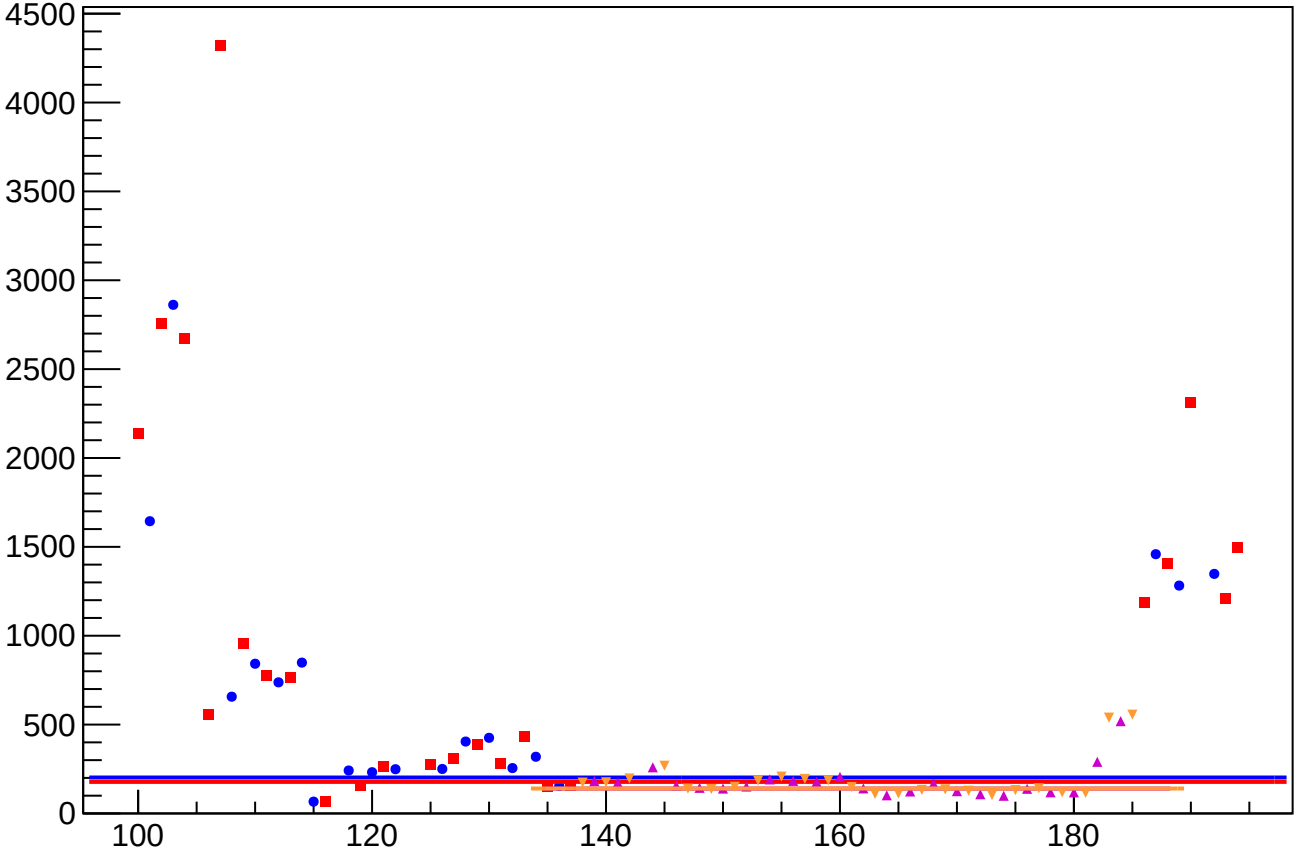
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -141.607+/-31.944 χ^2/NDF: 63.3/42

All: -108.343+/-22.522 χ^2/NDF: 107.7/88

- sign -75.462+/-31.759 χ^2/NDF: 42.3/45

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

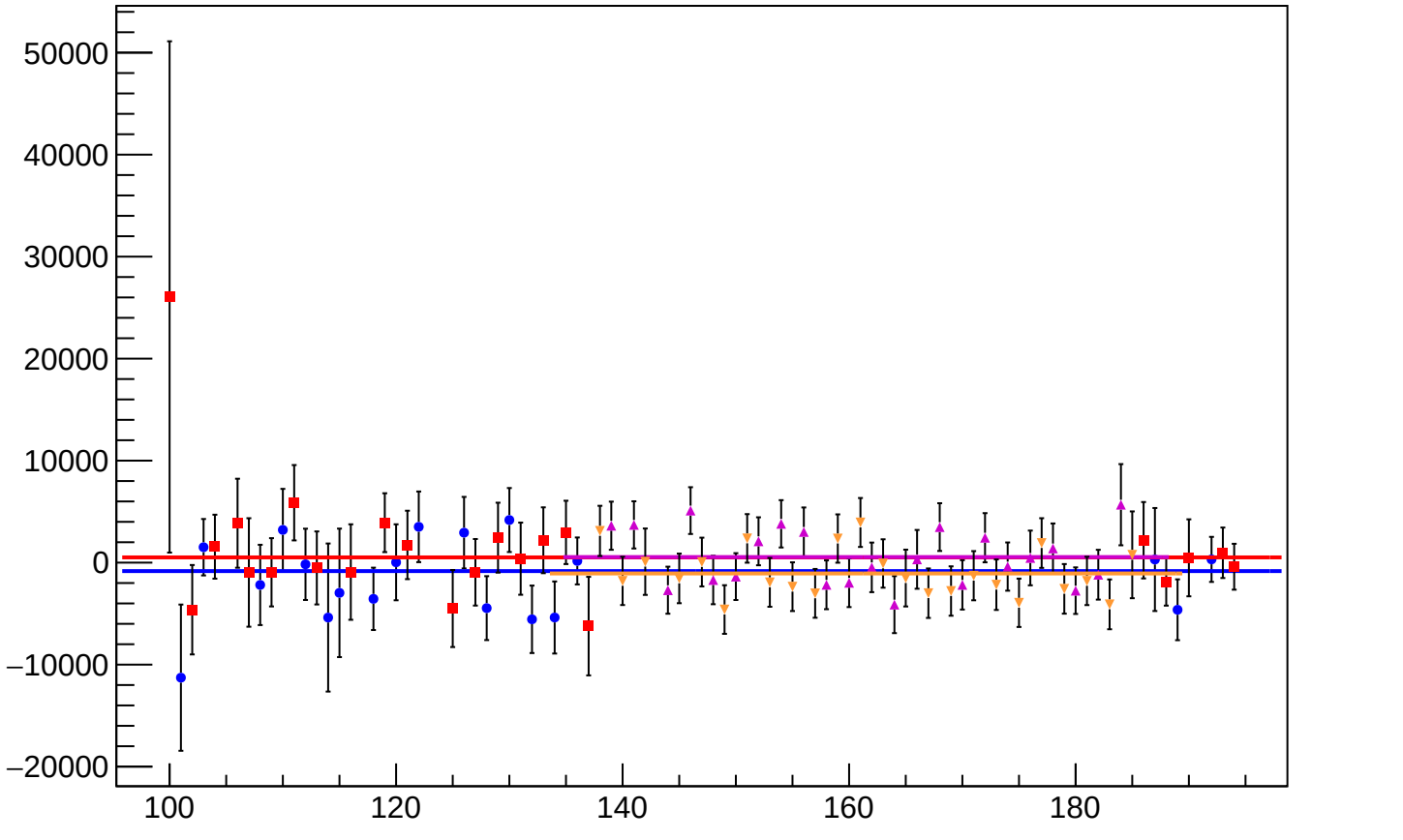
Right Out: 177.618+/-0.060 χ^2/NDF: 12261050.2/22

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 147.776+/-0.023 χ^2/NDF: 11583752.5/42

All: 146.465+/-0.016 χ^2/NDF: 26597889.2/88

- sign 145.168+/-0.022 χ^2/NDF: 15007432.6/45



Right In: -829.267+/-774.461 χ^2/NDF: 17.8/18

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 514.105+/-707.765 χ^2/NDF: 13.8/22

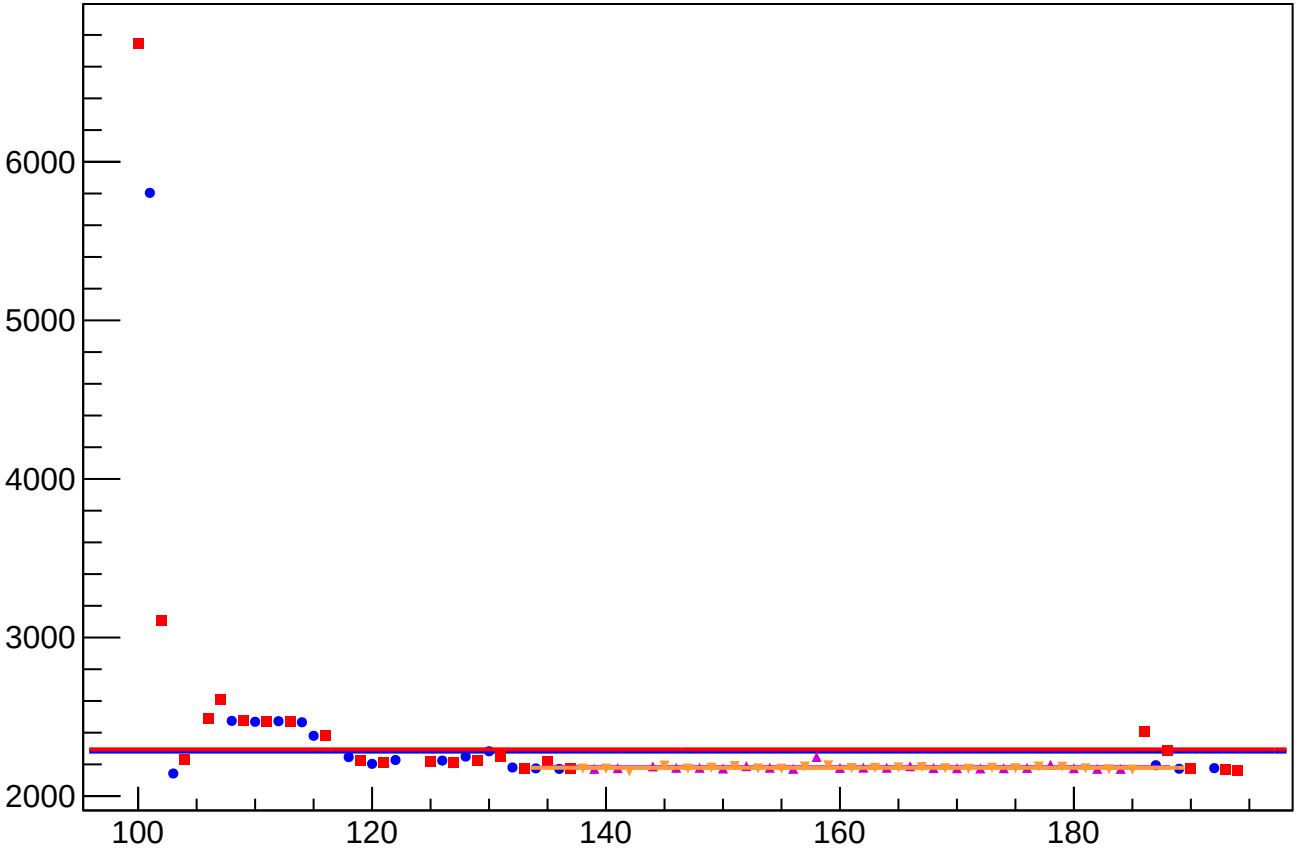
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -992.707+/-423.382 χ^2/NDF: 39.8/42

All: -211.282+/-295.808 χ^2/NDF: 88.1/88

- sign 533.969+/-413.466 χ^2/NDF: 41.7/45

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

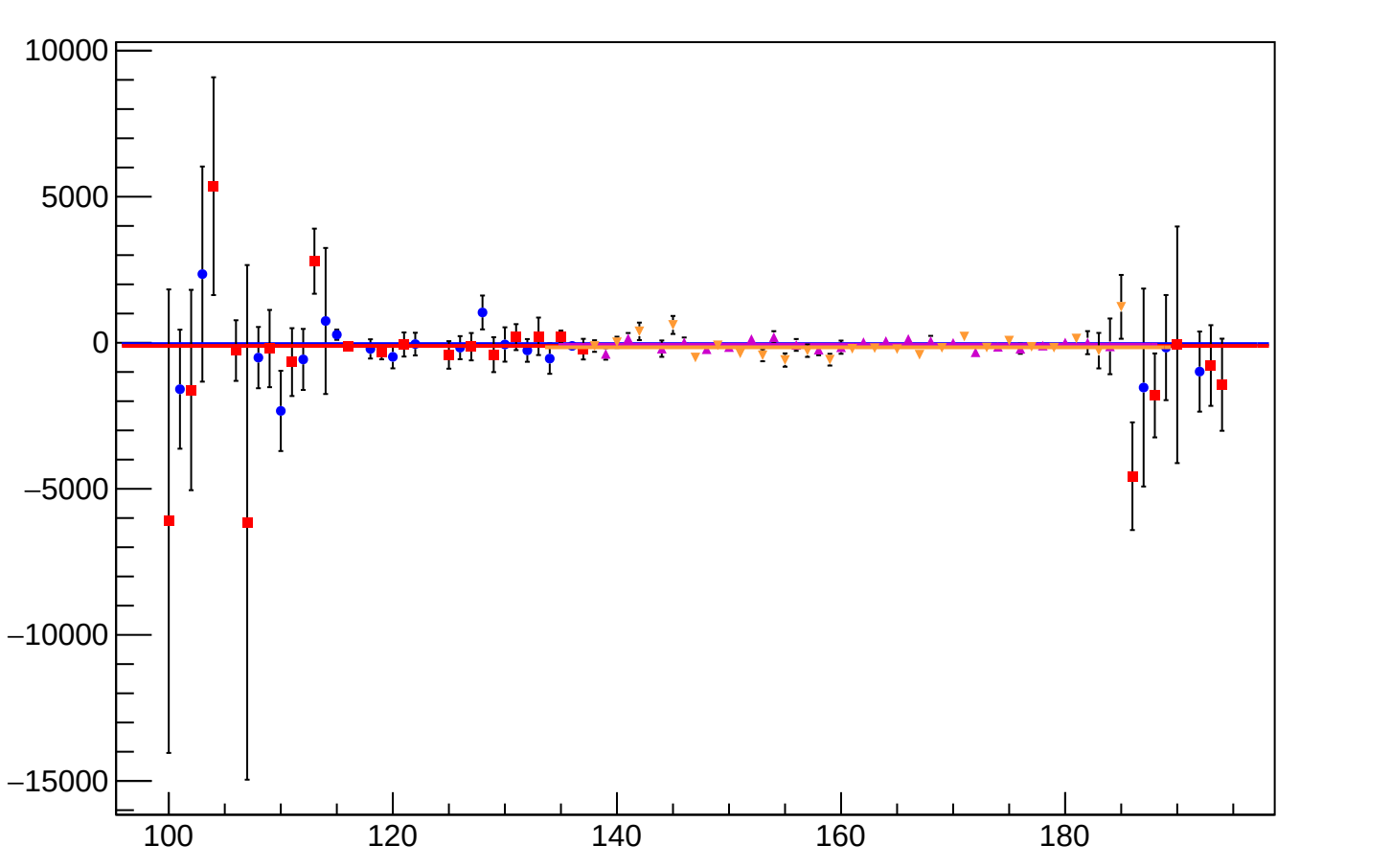
Right Out: 2294.789+/-0.500 χ^2/NDF: 186932.2/22

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2209.008+/-0.299 χ^2/NDF: 548302.3/42

All: 2214.846+/-0.209 χ^2/NDF: 771342.8/88

- sign 2220.414+/-0.292 χ^2/NDF: 222297.4/45



Right In: -45.807+/-92.044 χ^2/NDF: 14.7/18

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

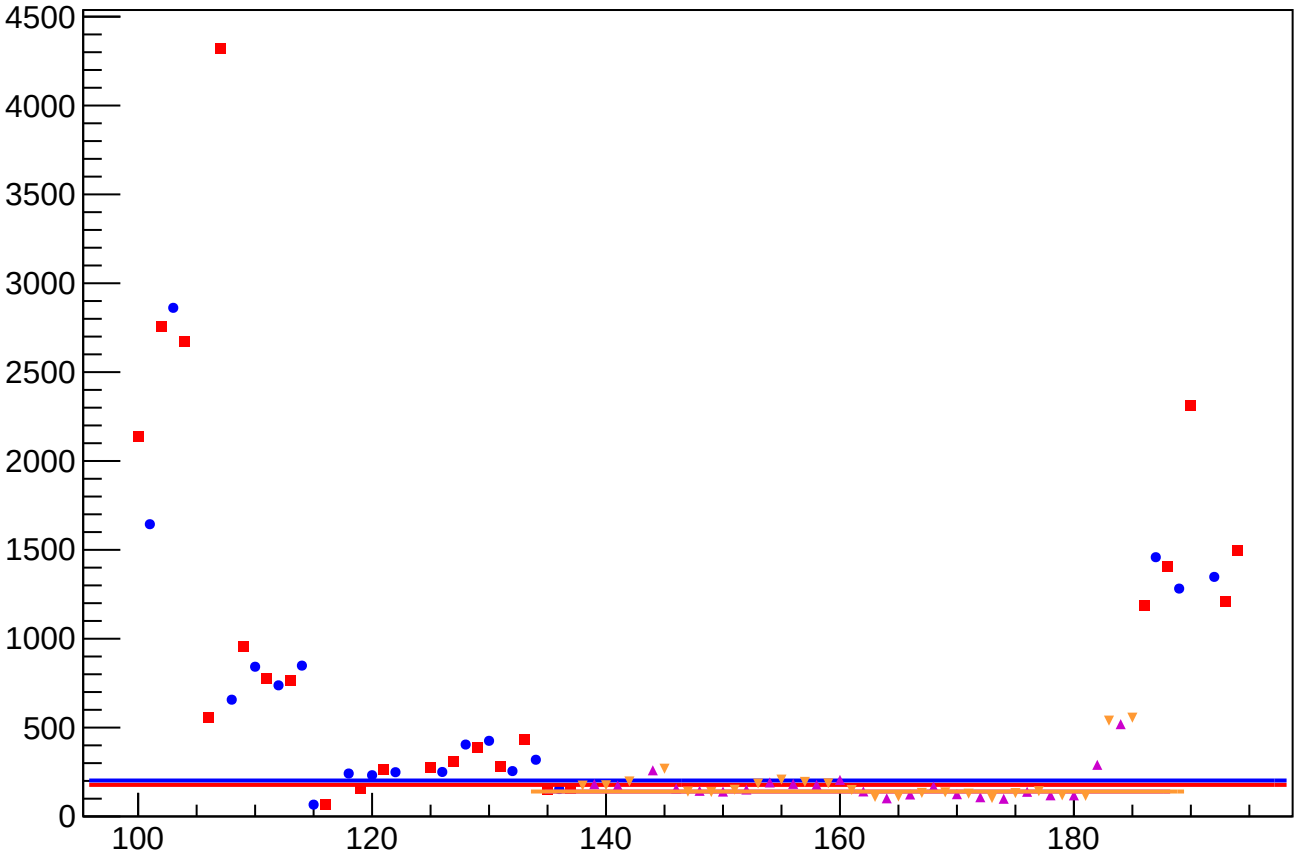
Right Out: -108.729+/-85.529 χ^2/NDF: 23.2/22

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -141.608+/-31.944 χ^2/NDF: 63.3/42

All: -108.343+/-22.522 χ^2/NDF: 107.7/88

- sign -75.461+/-31.759 χ^2/NDF: 42.3/45



Right In: 202.236+/-0.065 χ^2/NDF: 8027454.1/18

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 177.616+/-0.060 χ^2/NDF: 12261127.3/22

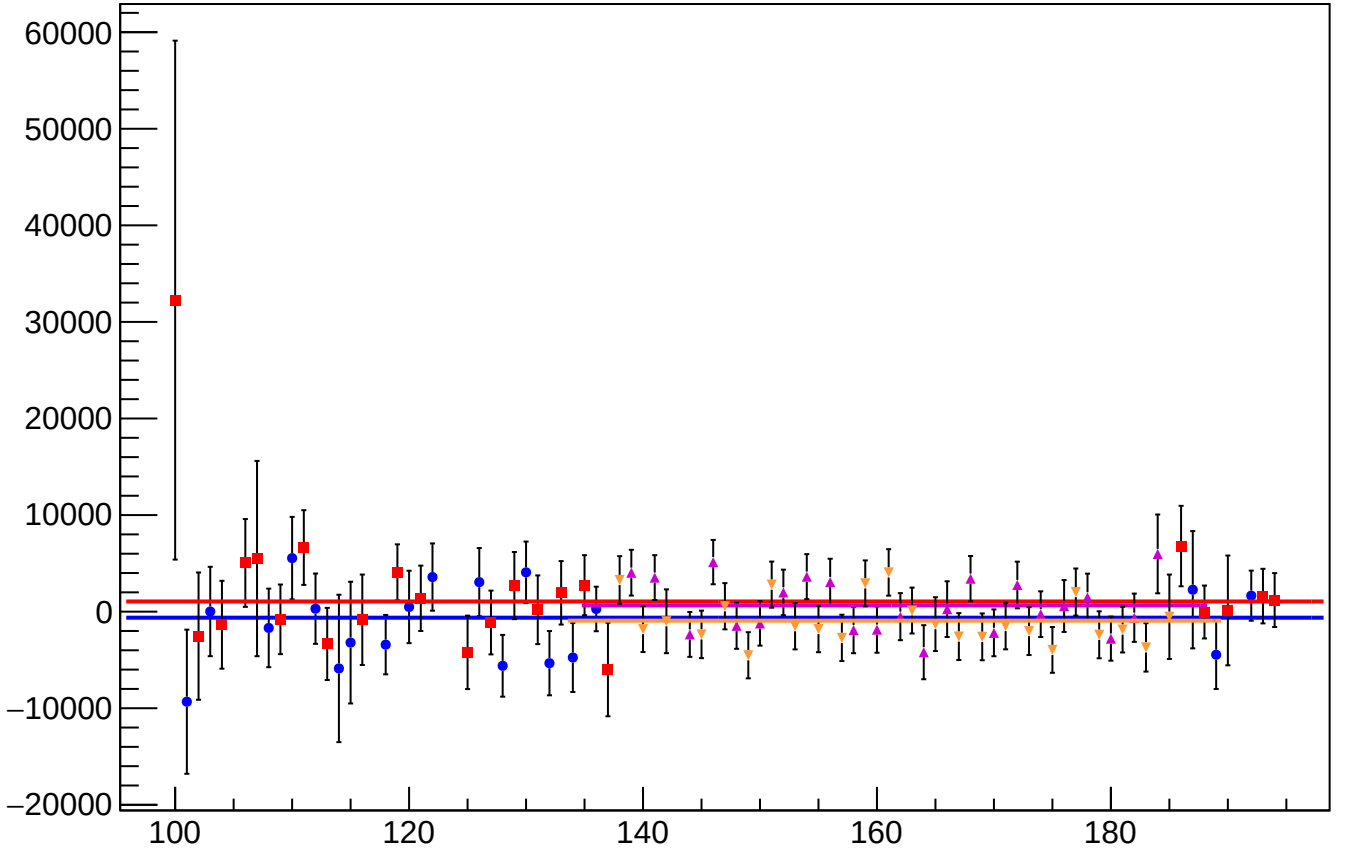
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 147.776+/-0.023 χ^2/NDF: 11583735.8/42

All: 146.465+/-0.016 χ^2/NDF: 26597962.9/88

- sign 145.168+/-0.022 χ^2/NDF: 15007521.6/45

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: 1055.313+/-782.041 χ^2/NDF: 15.1/22

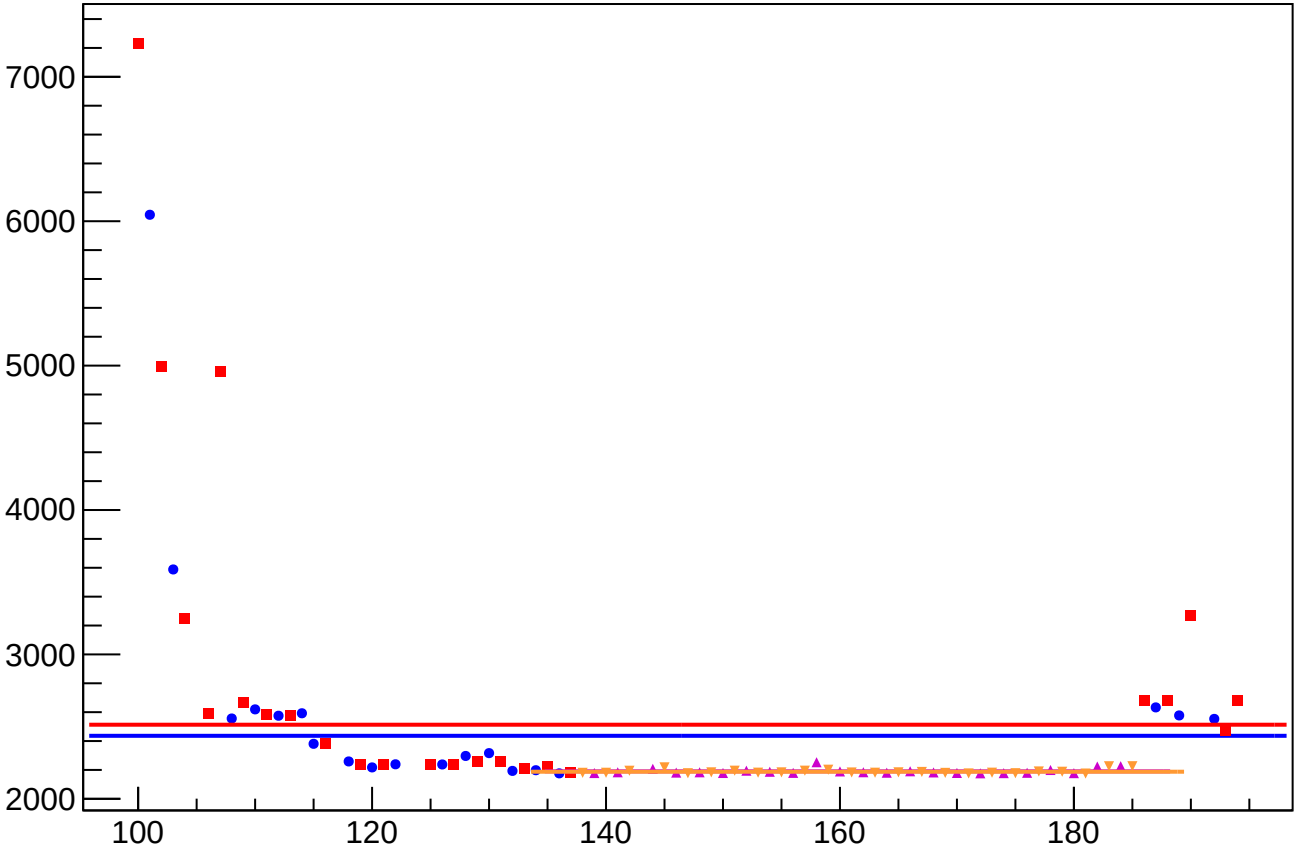
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -848.470+/-433.314 χ^2/NDF: 40.5/42

All: -31.093+/-304.501 χ^2/NDF: 89.8/88

- sign 766.334+/-427.993 χ^2/NDF: 42.3/45

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

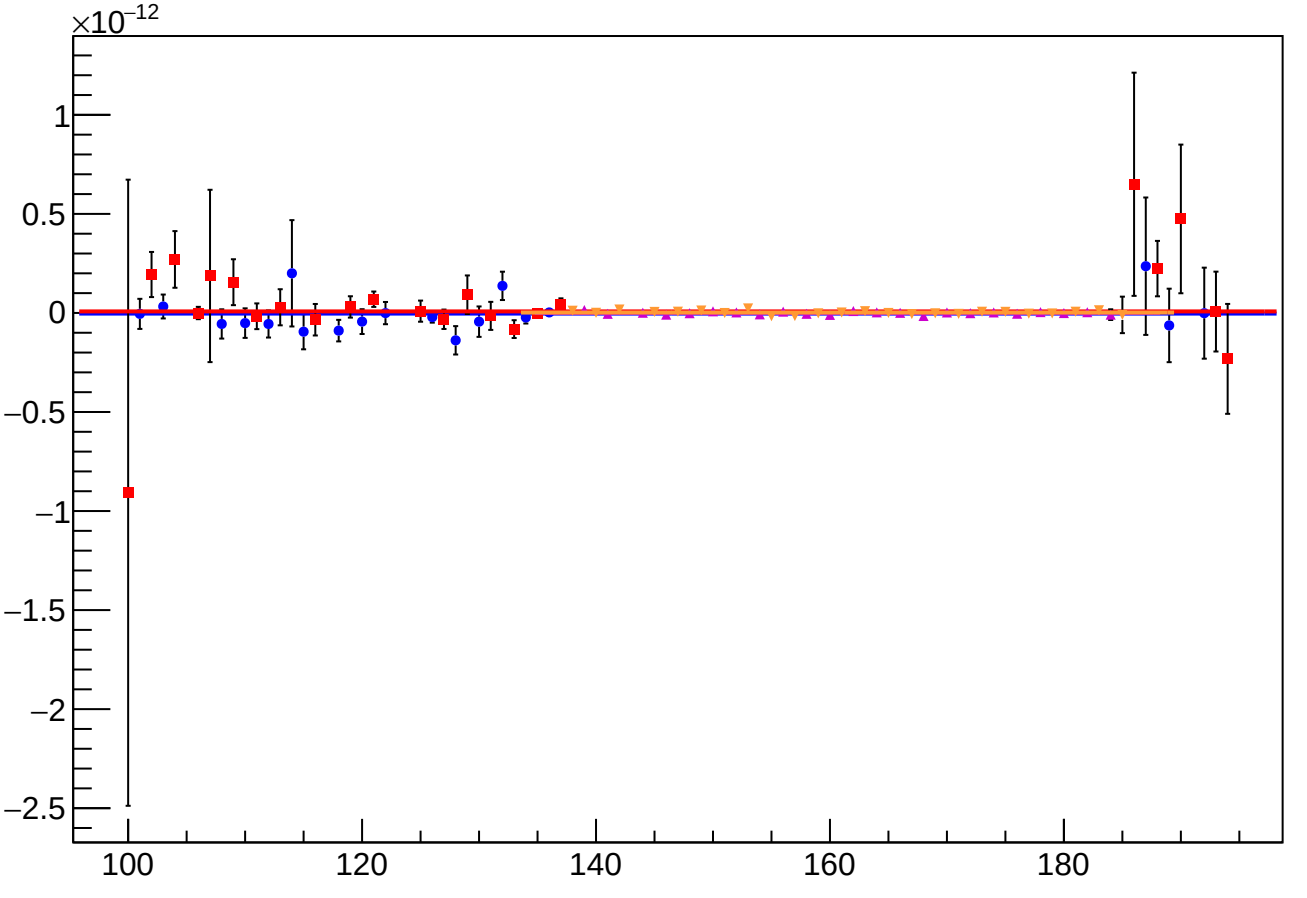
Right Out: 2513.107+/-0.553 χ^2/NDF: 695970.7/22

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2255.167+/-0.306 χ^2/NDF: 819846.9/42

All: 2271.224+/-0.215 χ^2/NDF: 1762692.6/88

- sign 2286.890+/-0.303 χ^2/NDF: 937420.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 16.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

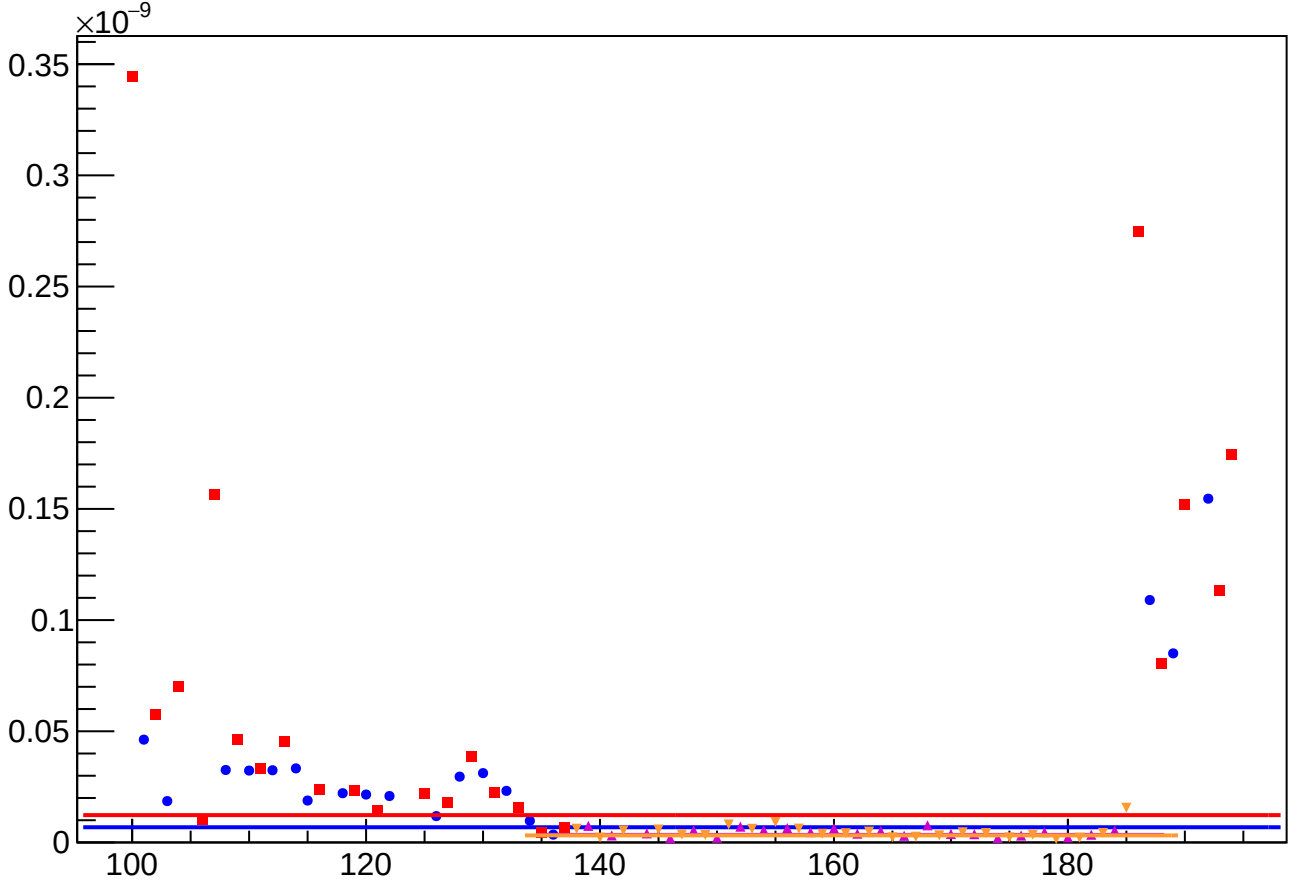
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/22

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.2/42

All: 0.000+/-0.000 χ^2/NDF: 75.3/88

- sign 0.000+/-0.000 χ^2/NDF: 38.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 4216232.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

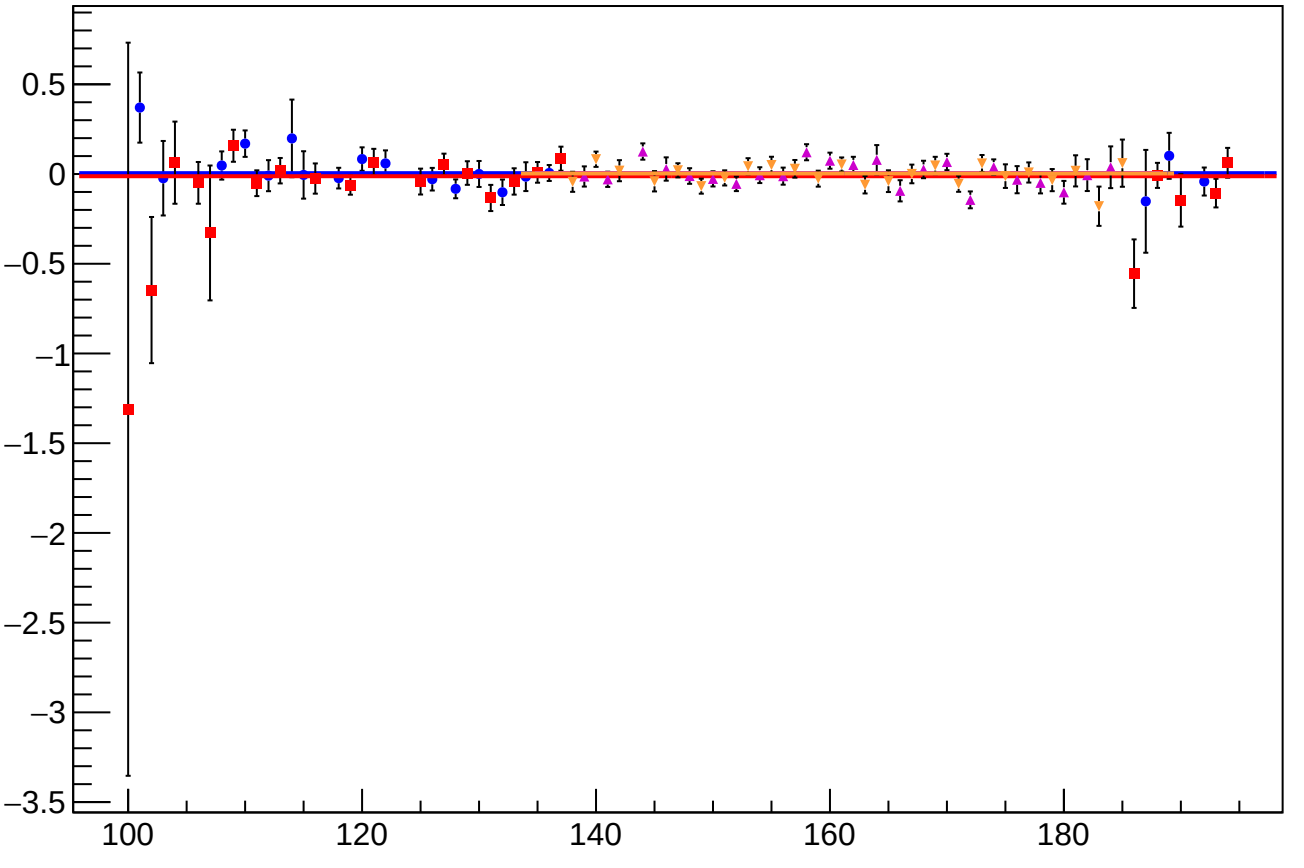
Right Out: 0.000+/-0.000 χ^2/NDF: 5092183.2/22

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6921266.6/42

All: 0.000+/-0.000 χ^2/NDF: 15377565.7/88

- sign 0.000+/-0.000 χ^2/NDF: 8427349.0/45



Right In: 0.005+/-0.018 χ^2/NDF: 18.5/18

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

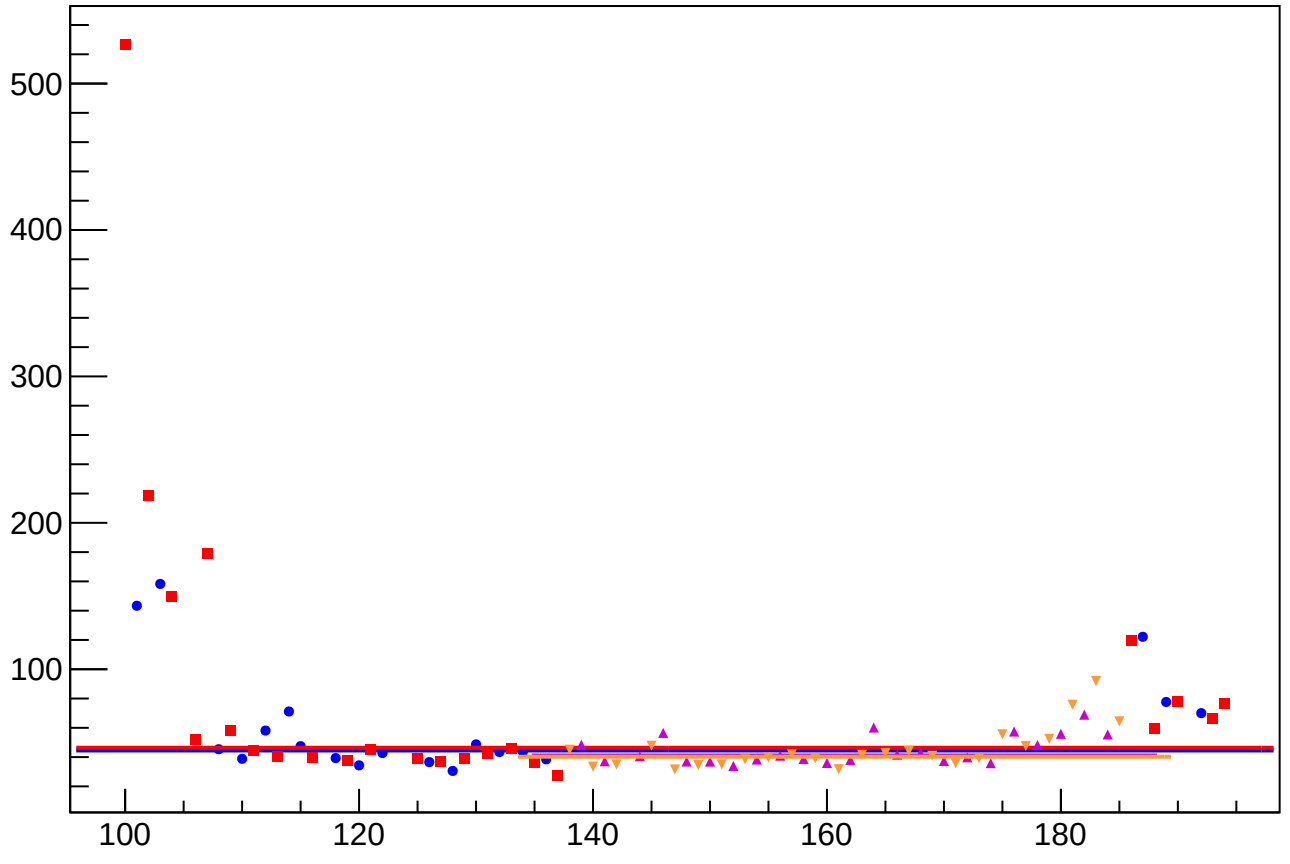
Right Out: -0.012+/-0.017 χ^2/NDF: 27.6/22

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/42

All: 0.002+/-0.006 χ^2/NDF: 110.2/88

- sign 0.000+/-0.009 χ^2/NDF: 69.8/45



Right In: 44.547+/-0.012 χ^2/NDF: 1981732.4/18

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

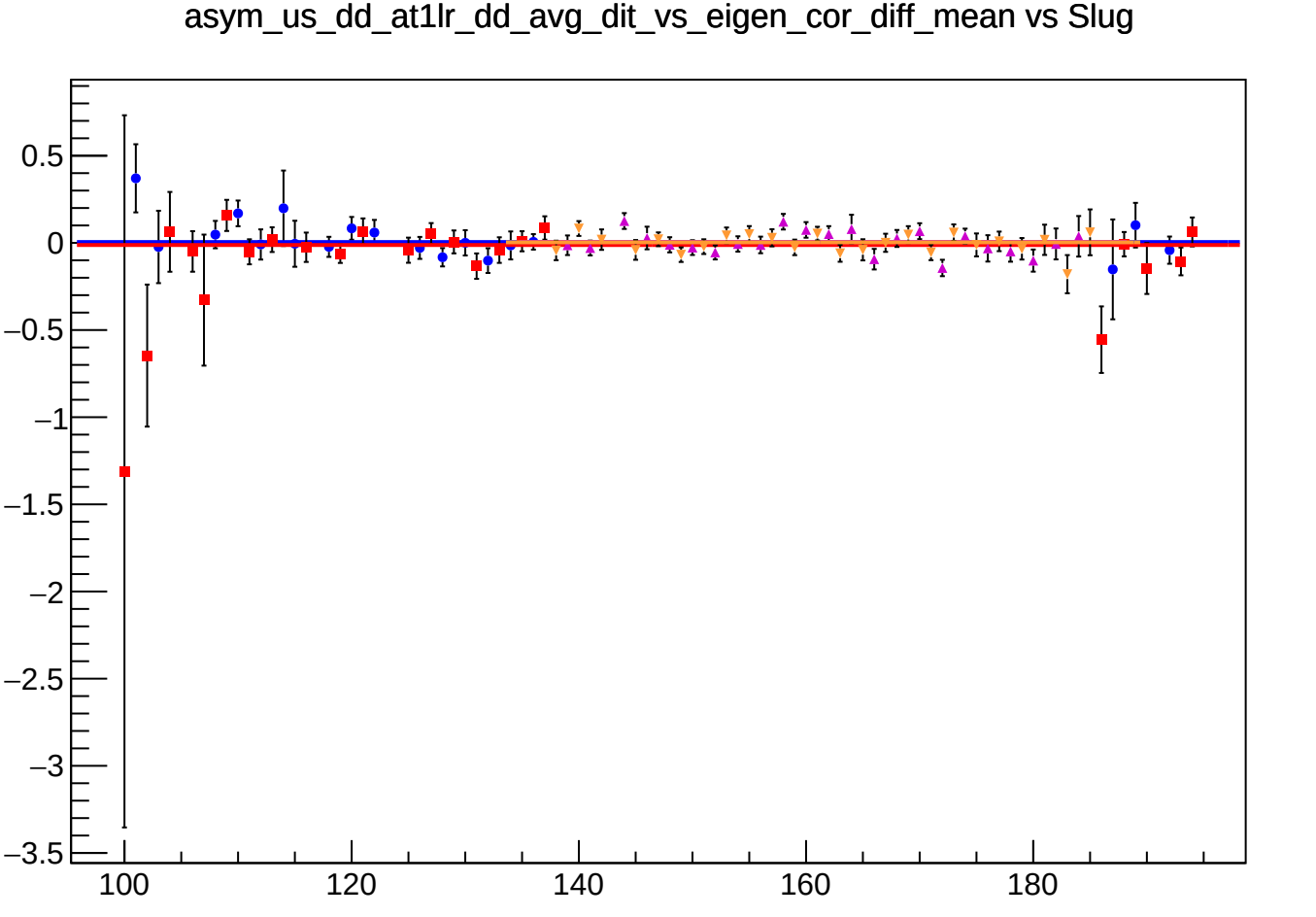
Right Out: 46.394+/-0.012 χ^2/NDF: 2410755.8/22

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 41.379+/-0.006 χ^2/NDF: 3558360.0/42

All: 41.971+/-0.004 χ^2/NDF: 7054891.8/88

- sign 42.566+/-0.006 χ^2/NDF: 3478938.3/45



Right In: 0.005+/-0.018 χ^2/NDF: 18.5/18

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

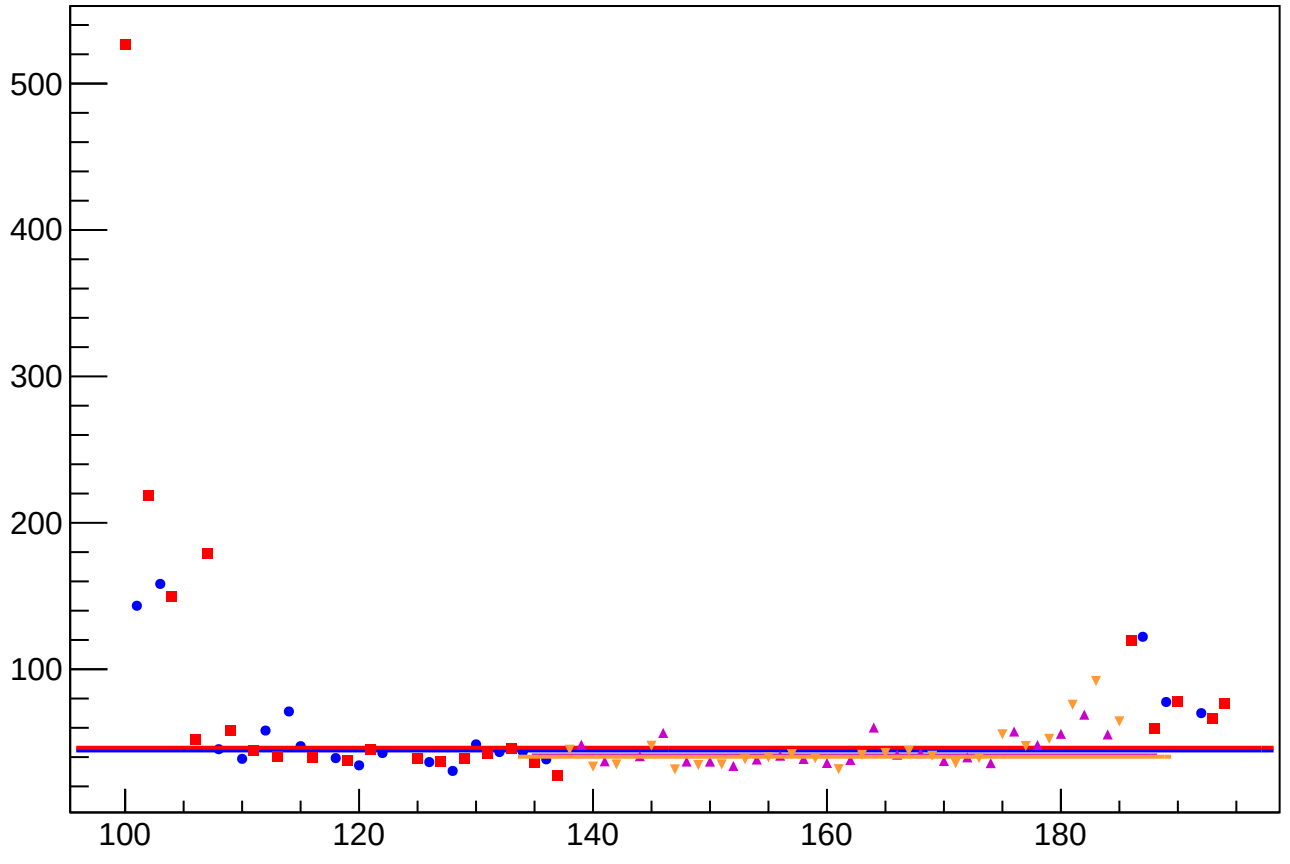
Right Out: -0.012+/-0.017 χ^2/NDF: 27.6/22

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/42

All: 0.002+/-0.006 χ^2/NDF: 110.2/88

- sign 0.000+/-0.009 χ^2/NDF: 69.8/45



Right In: 44.547+/-0.012 χ^2/NDF: 1981732.4/18

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

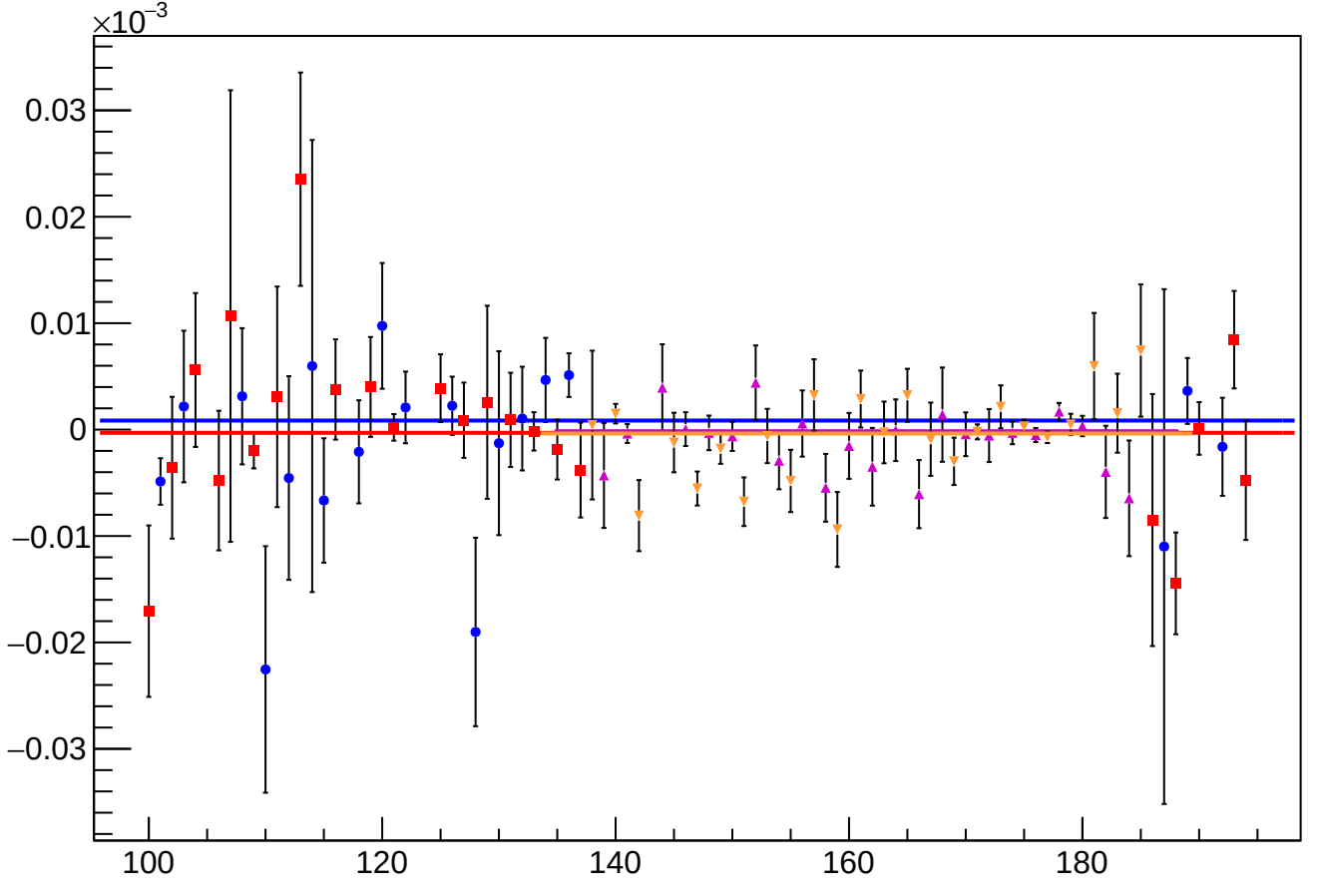
Right Out: 46.394+/-0.012 χ^2/NDF: 2410755.8/22

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 41.379+/-0.006 χ^2/NDF: 3558360.0/42

All: 41.971+/-0.004 χ^2/NDF: 7054891.8/88

- sign 42.566+/-0.006 χ^2/NDF: 3478938.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

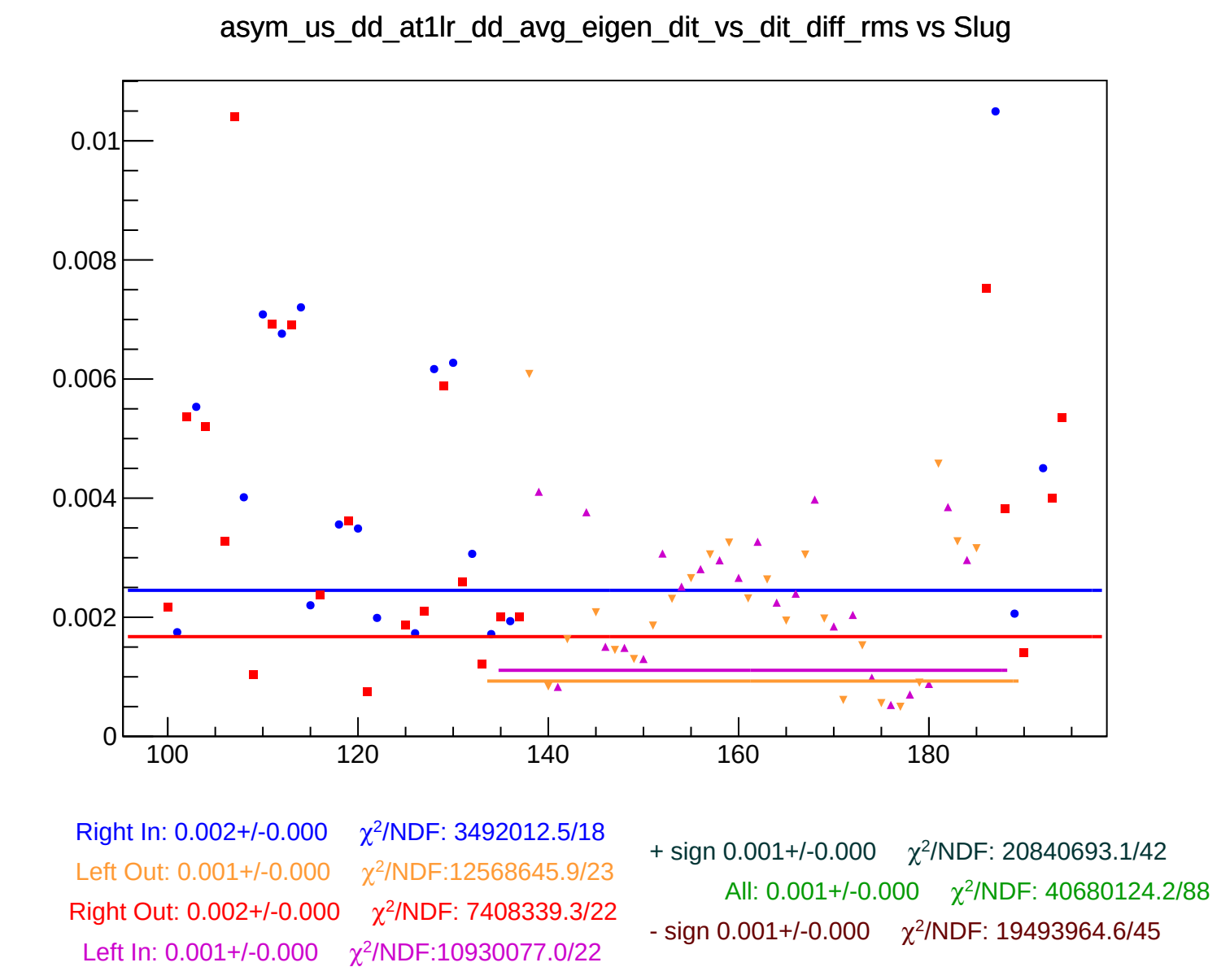
Right Out: -0.000+/-0.000 χ^2/NDF: 31.0/22

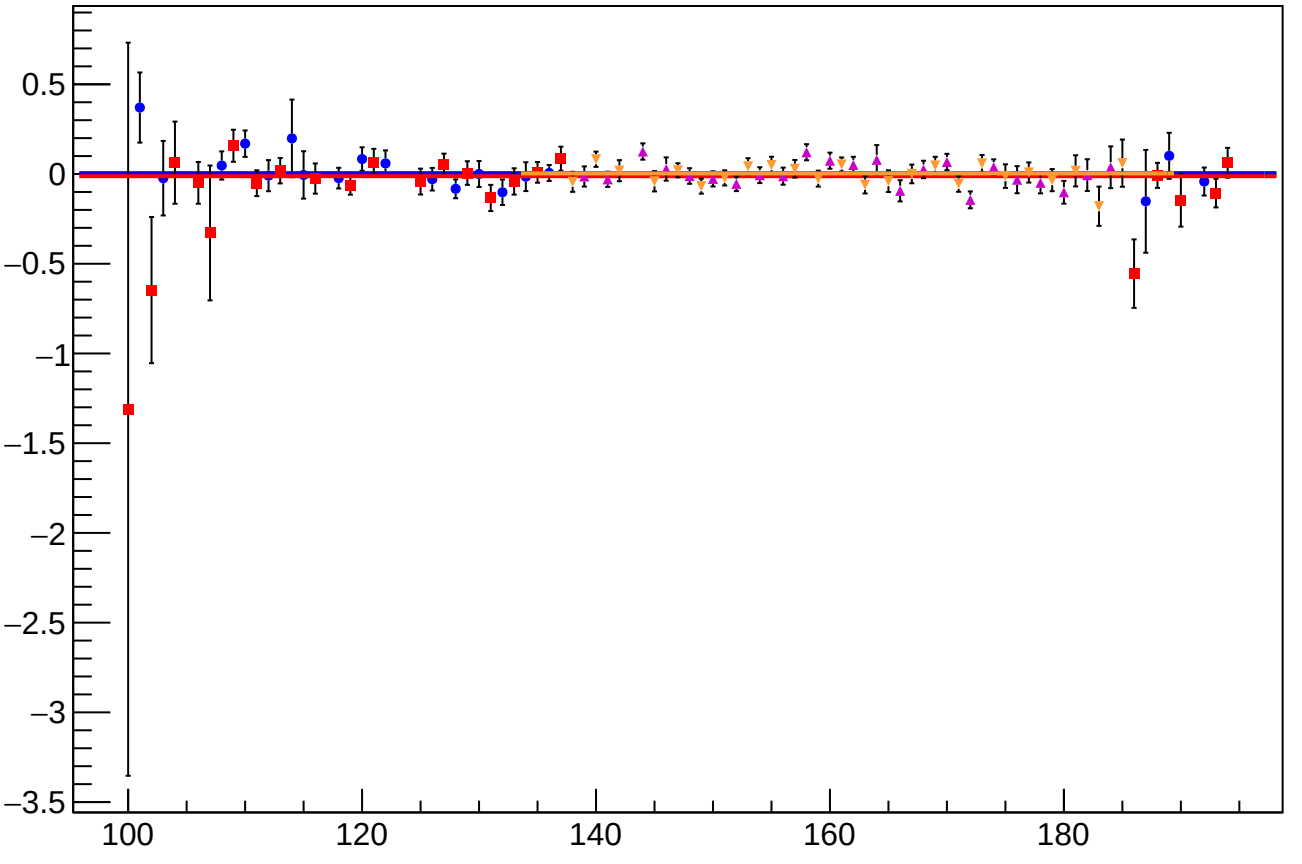
Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.6/42

All: -0.000+/-0.000 χ^2/NDF: 131.6/88

- sign -0.000+/-0.000 χ^2/NDF: 51.0/45


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: 7408339.3/22
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: 40680124.2/88
- sign 0.001+/-0.000 χ²/NDF: 19493964.6/45



Right In: 0.005+/-0.018 χ^2/NDF: 18.5/18

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

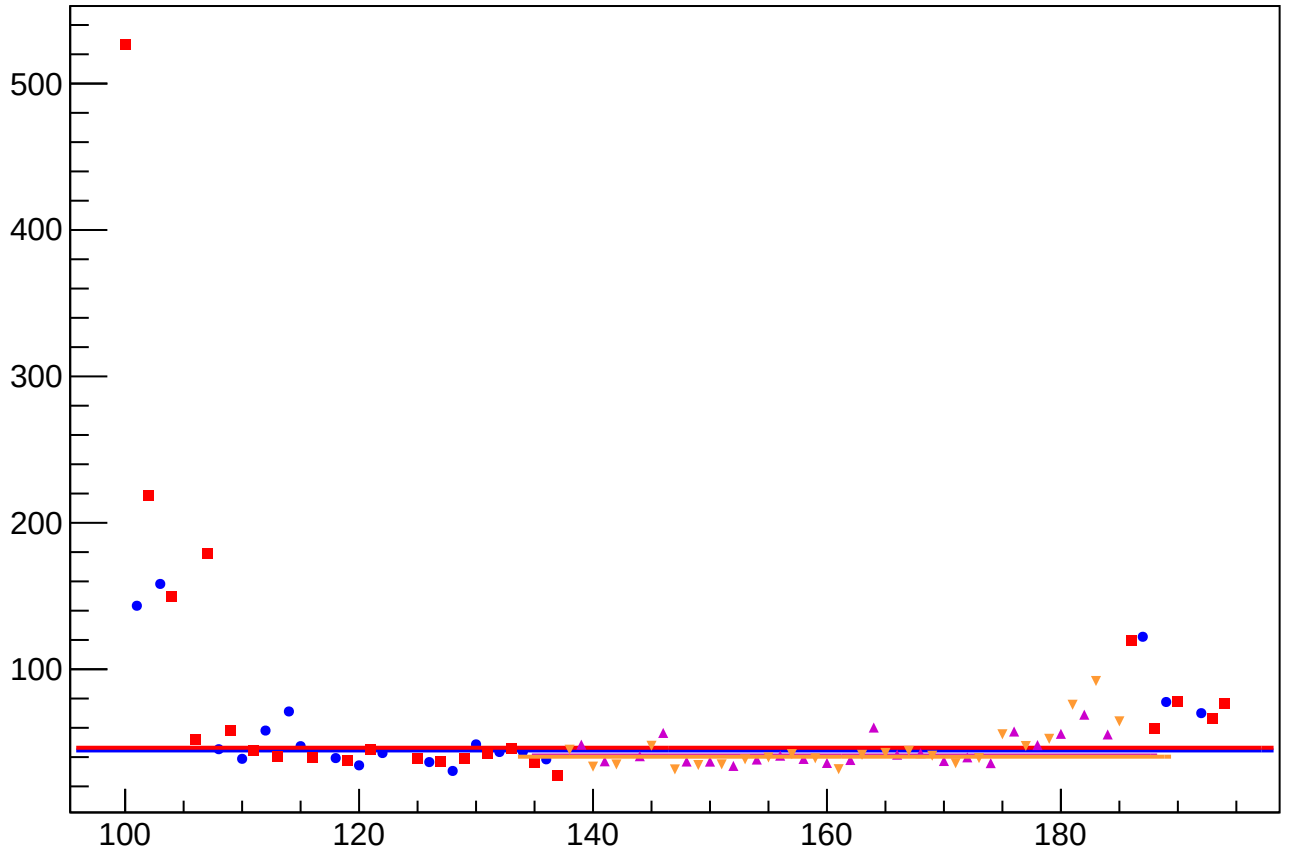
Right Out: -0.012+/-0.017 χ^2/NDF: 27.6/22

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/42

All: 0.002+/-0.006 χ^2/NDF: 110.2/88

- sign 0.000+/-0.009 χ^2/NDF: 69.8/45



Right In: 44.545+/-0.012 χ^2/NDF: 1982019.9/18

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

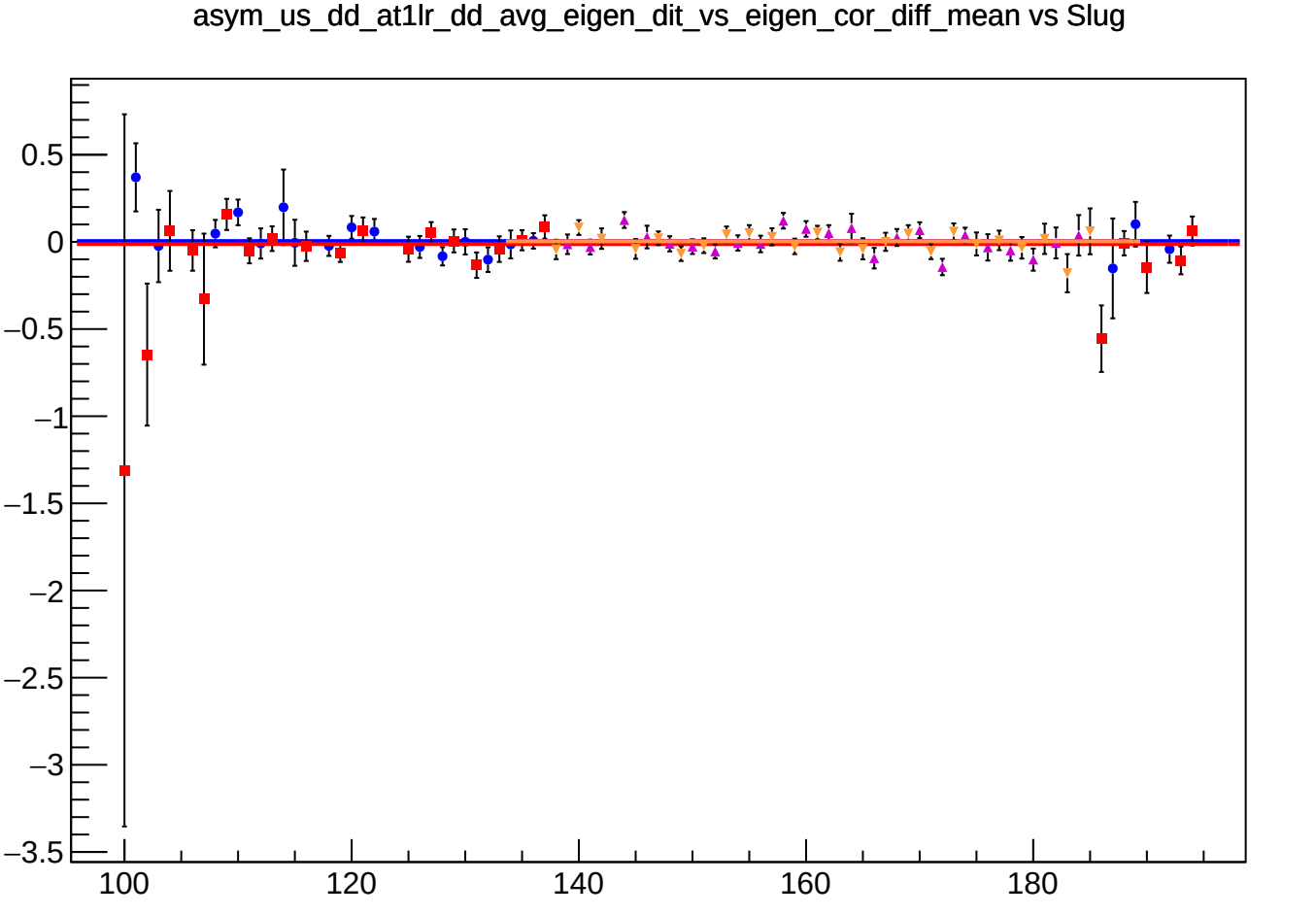
Right Out: 46.395+/-0.012 χ^2/NDF: 2410766.9/22

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 41.379+/-0.006 χ^2/NDF: 3558530.9/42

All: 41.971+/-0.004 χ^2/NDF: 7055158.9/88

- sign 42.567+/-0.006 χ^2/NDF: 3479015.4/45



Right In: 0.005+/-0.018 χ^2/NDF: 18.5/18

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

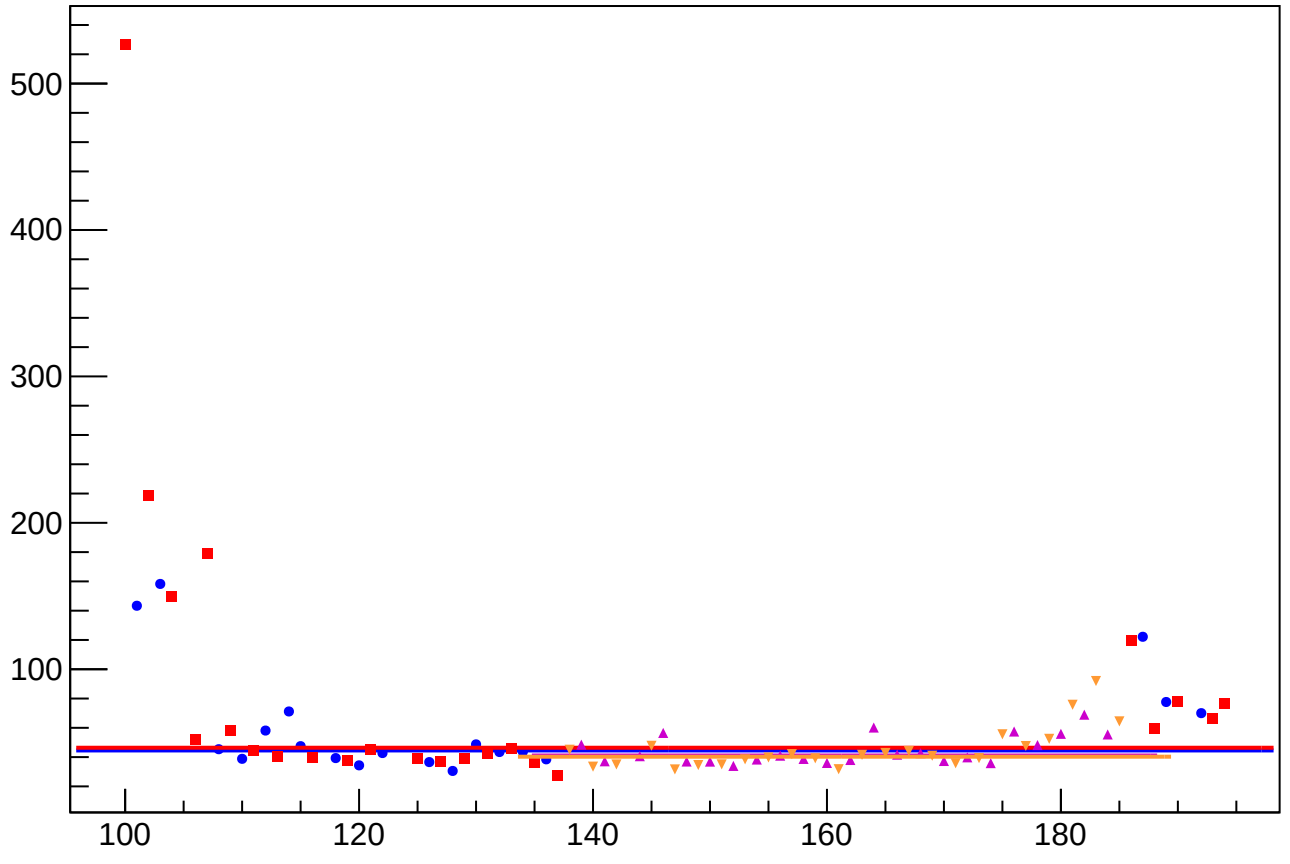
Right Out: -0.012+/-0.017 χ^2/NDF: 27.6/22

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 40.3/42

All: 0.002+/-0.006 χ^2/NDF: 110.2/88

- sign 0.000+/-0.009 χ^2/NDF: 69.8/45



Right In: 44.545+/-0.012 χ^2/NDF: 1982019.9/18

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

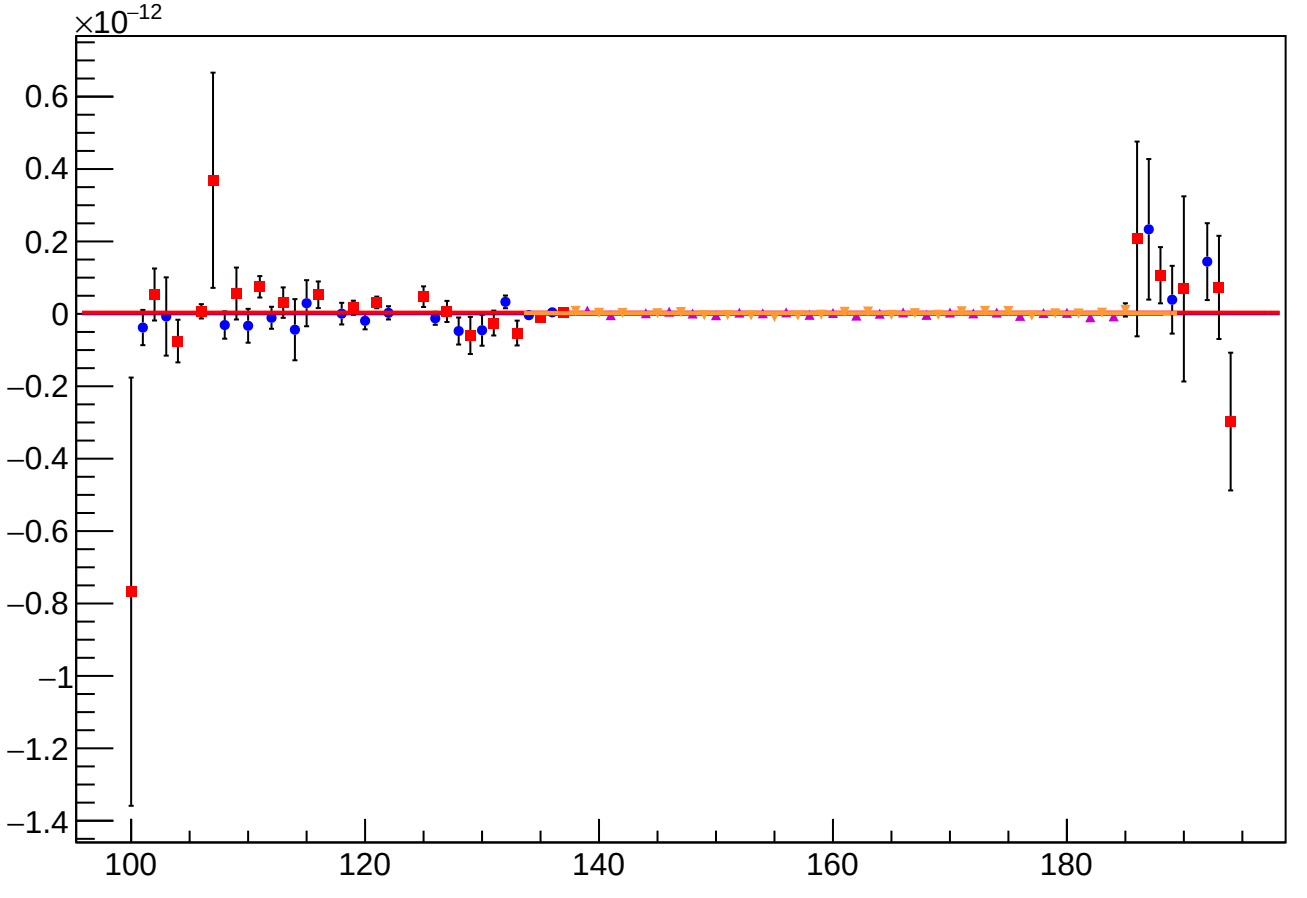
Right Out: 46.395+/-0.012 χ^2/NDF: 2410766.9/22

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 41.379+/-0.006 χ^2/NDF: 3558530.9/42

All: 41.971+/-0.004 χ^2/NDF: 7055158.9/88

- sign 42.567+/-0.006 χ^2/NDF: 3479015.4/45



Right In: 0.000+/-0.000 χ^2/NDF: 13.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

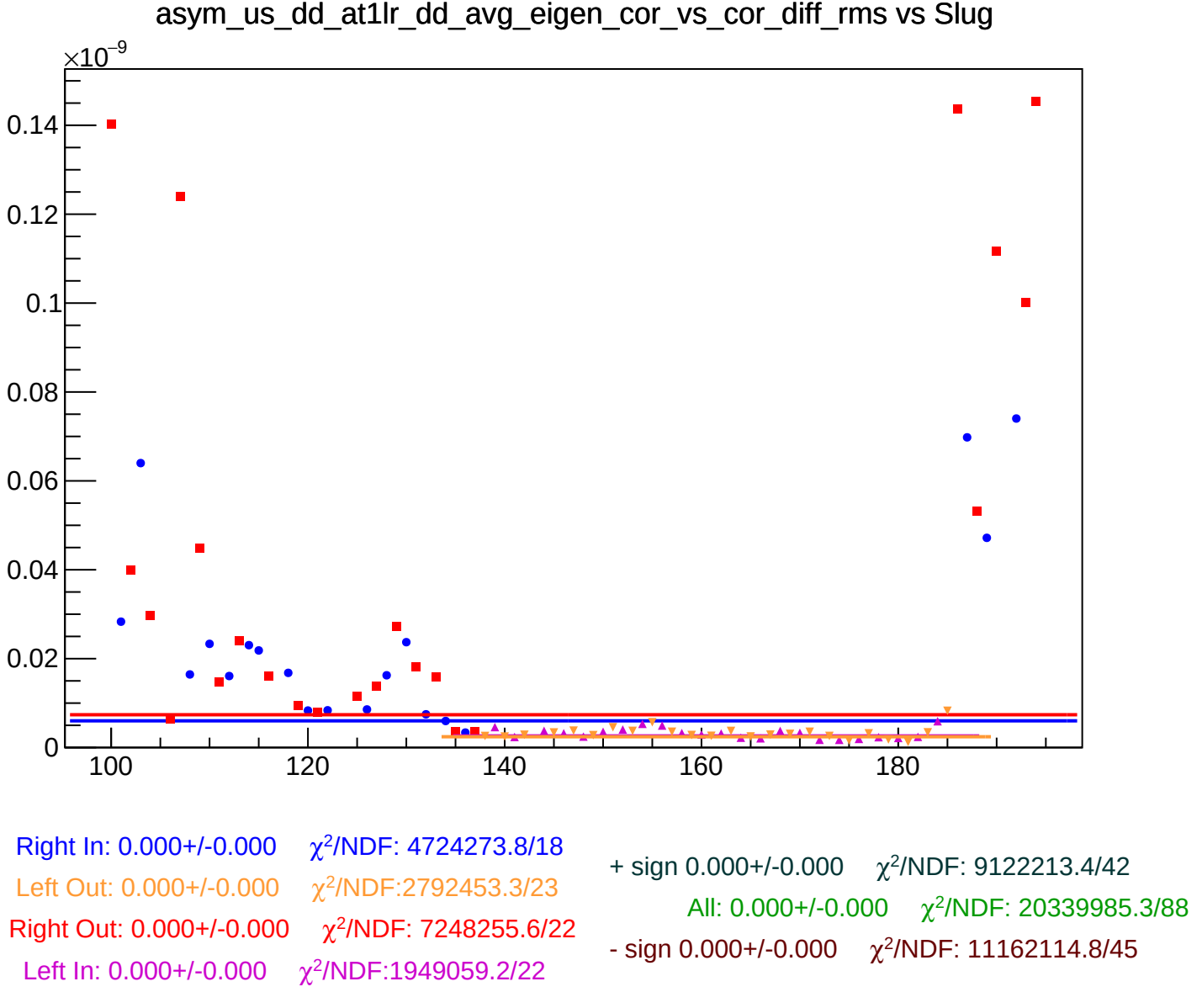
Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/22

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

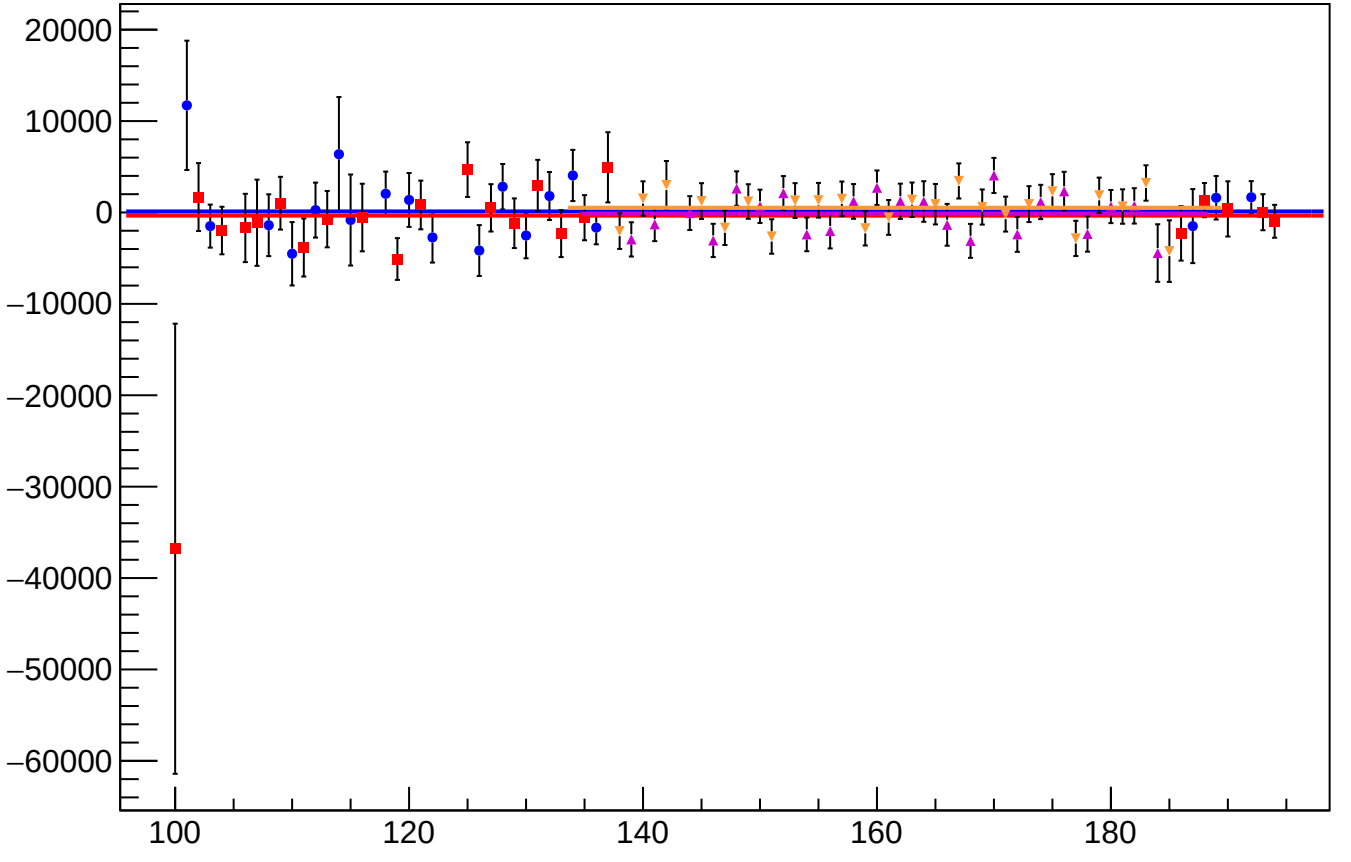
+ sign 0.000+/-0.000 χ^2/NDF: 39.1/42

All: 0.000+/-0.000 χ^2/NDF: 98.6/88

- sign 0.000+/-0.000 χ^2/NDF: 57.5/45


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: 7248255.6/22
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: 20339985.3/88
- sign 0.000+/-0.000 χ²/NDF: 11162114.8/45

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: -344.798+/-572.729 χ^2/NDF: 17.4/22

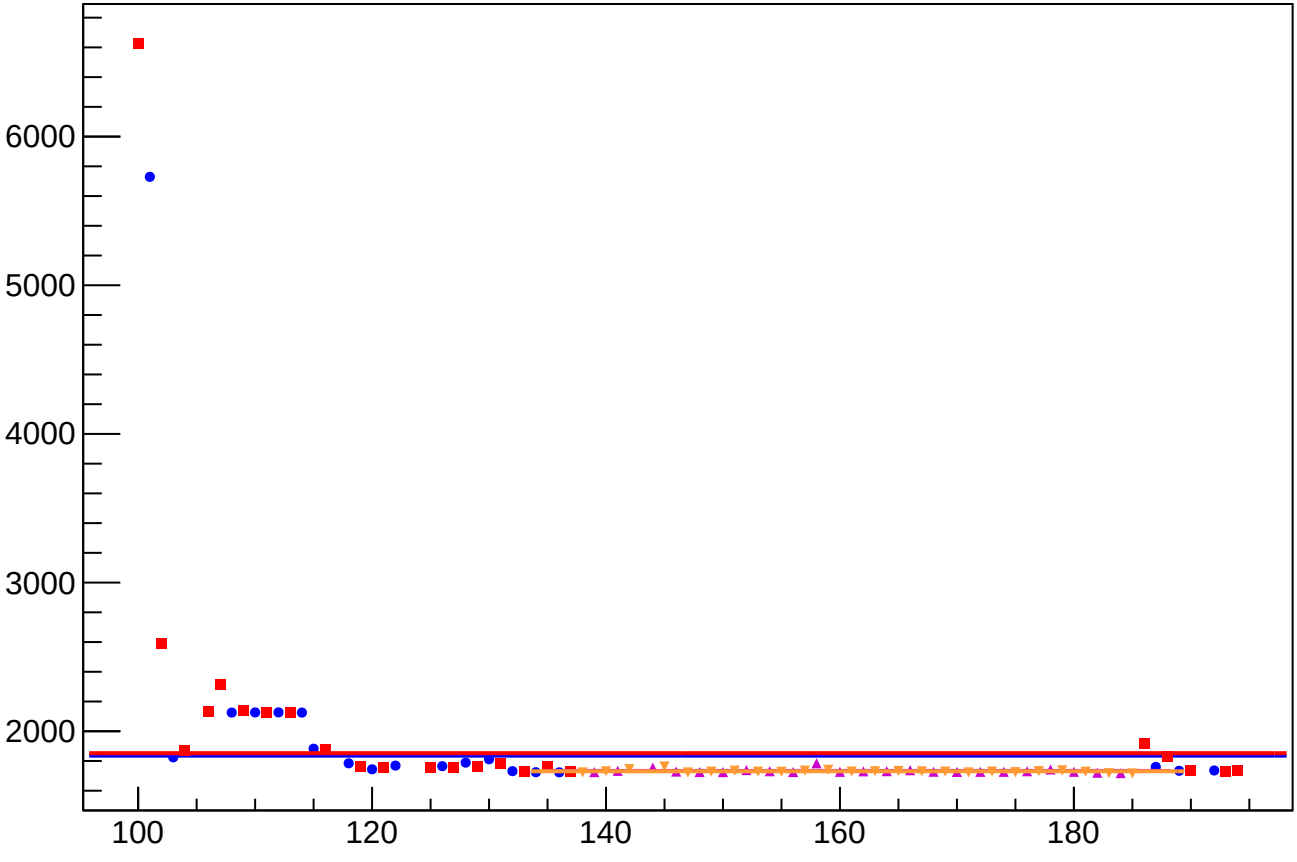
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 401.210+/-338.151 χ^2/NDF: 38.5/42

All: 94.282+/-236.348 χ^2/NDF: 87.0/88

- sign -198.869+/-330.474 χ^2/NDF: 46.9/45

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

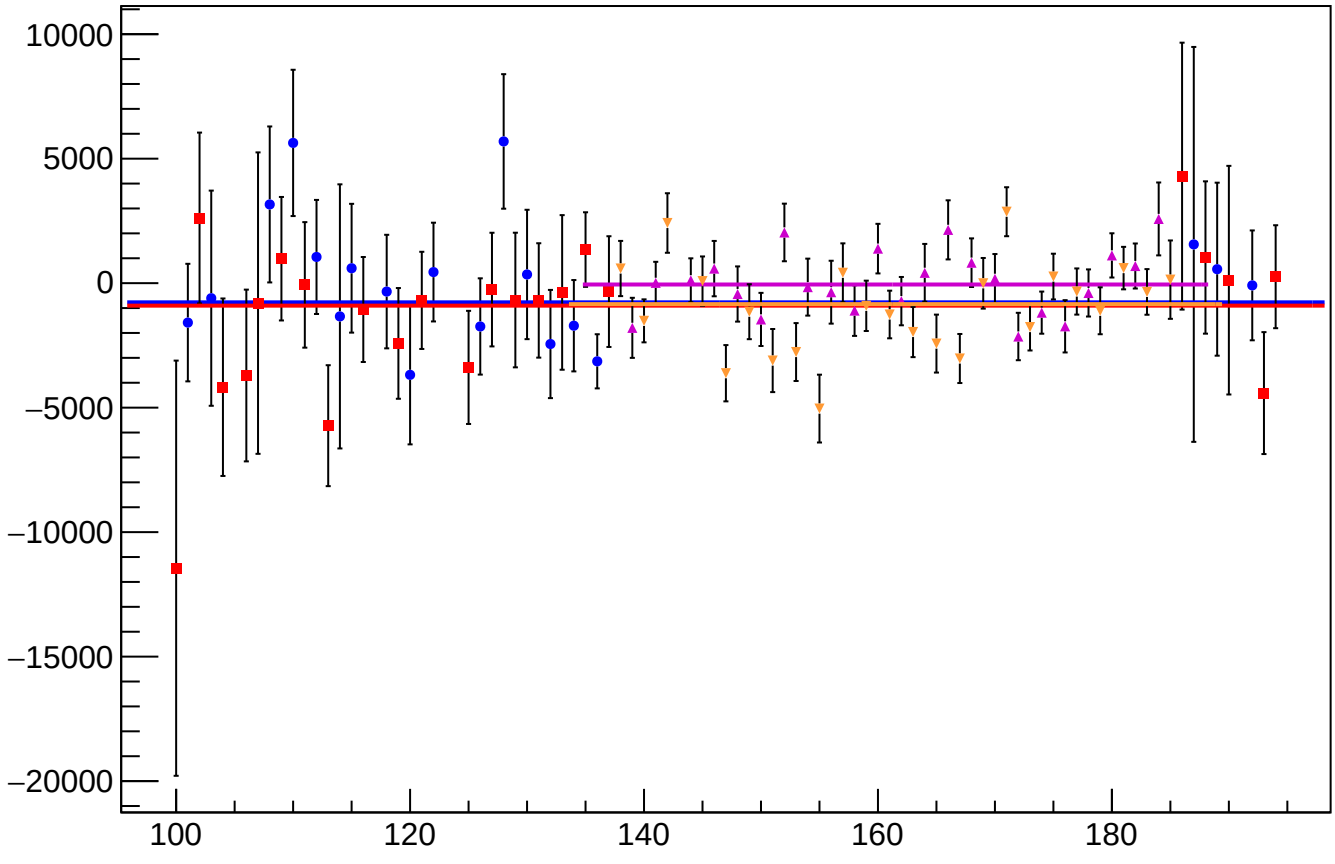
Right Out: 1852.459+/-0.405 χ^2/NDF: 278786.1/22

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1761.484+/-0.239 χ^2/NDF: 729411.0/42

All: 1767.261+/-0.167 χ^2/NDF: 1069608.8/88

- sign 1772.778+/-0.234 χ^2/NDF: 339056.5/45



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: -903.059+/-532.837 χ^2/NDF: 16.7/22

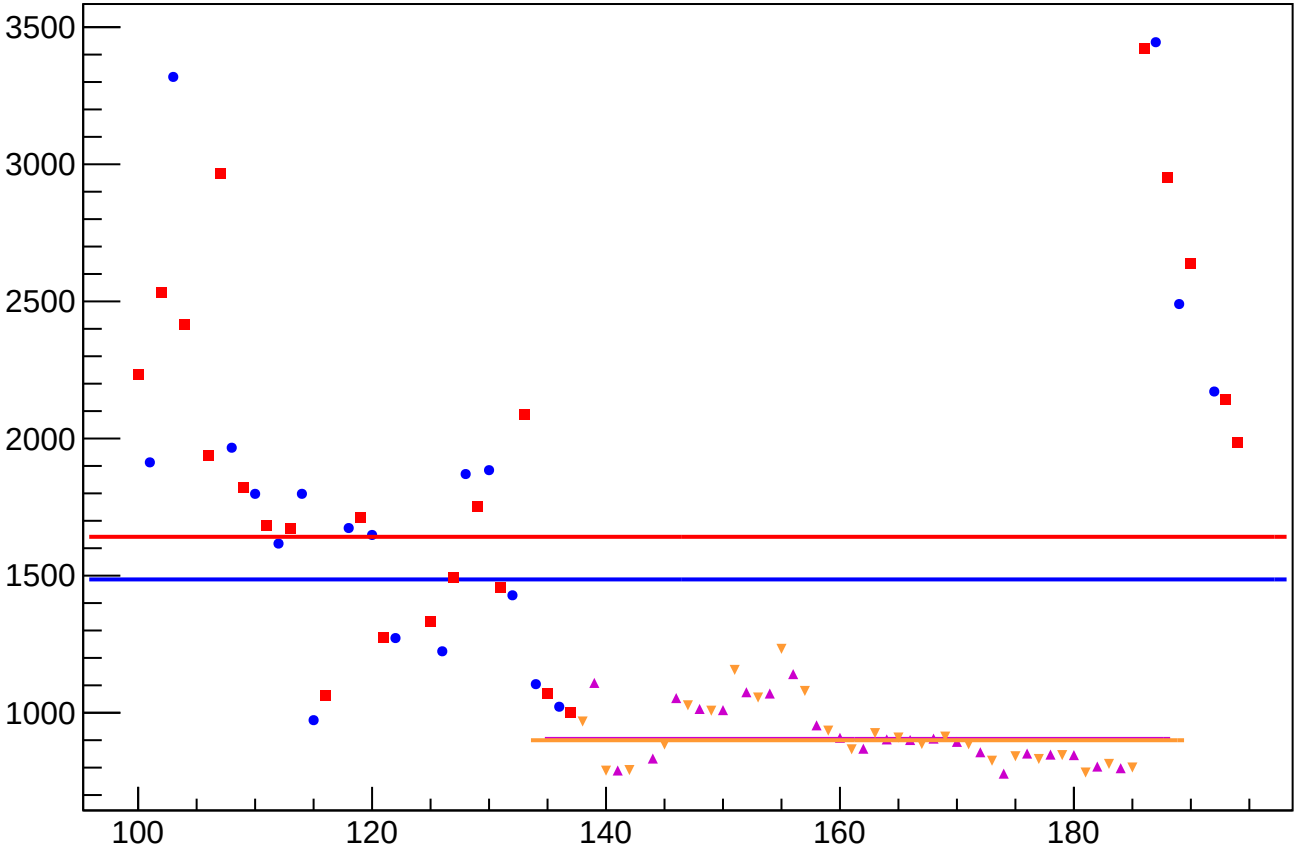
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -832.472+/-195.720 χ^2/NDF: 83.7/42

All: -505.093+/-139.109 χ^2/NDF: 138.8/88

- sign -170.870+/-197.756 χ^2/NDF: 49.5/45

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: 1641.590+/-0.377 χ^2/NDF: 1966630.8/22

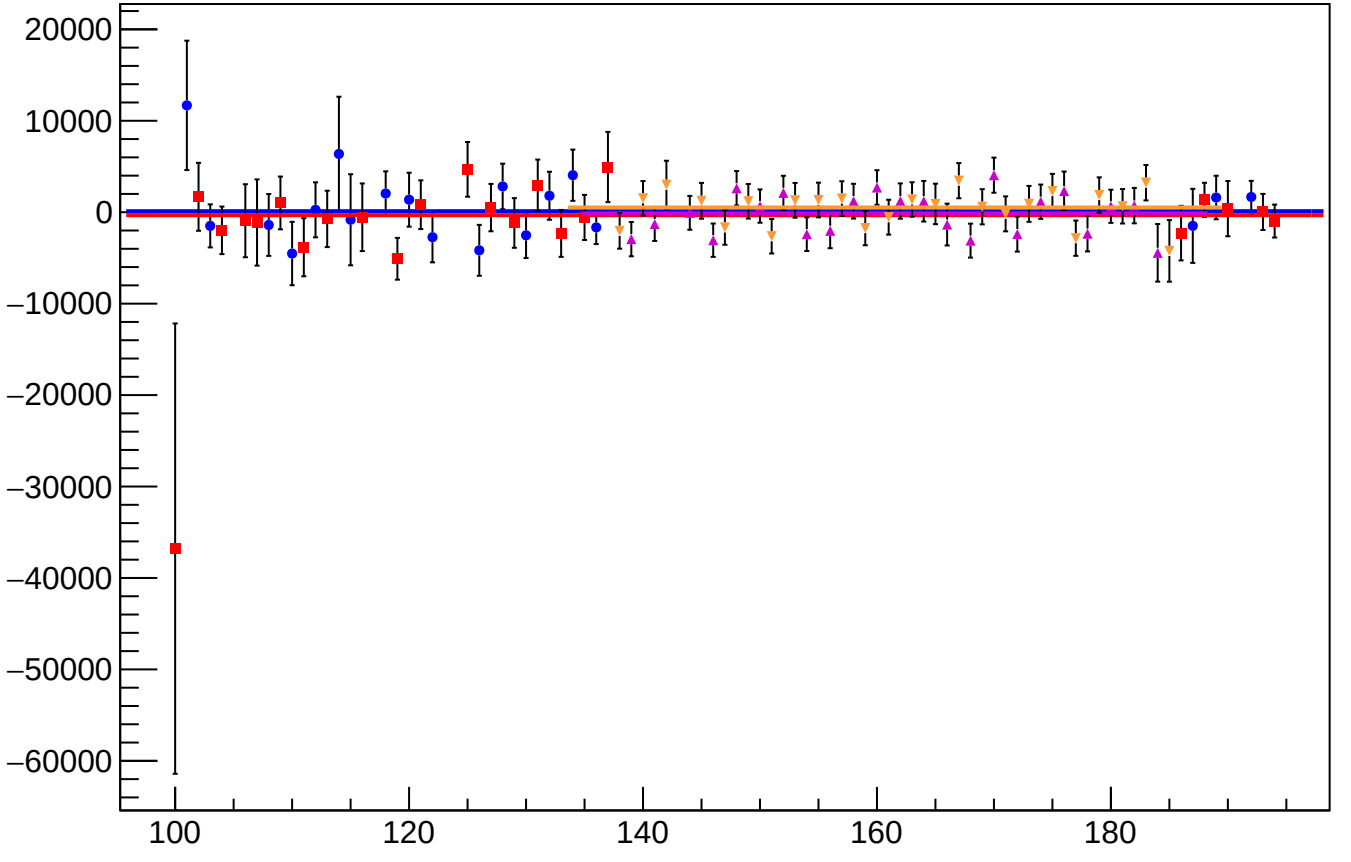
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 980.959+/-0.138 χ^2/NDF: 4325020.1/42

All: 993.430+/-0.098 χ^2/NDF: 10058950.4/88

- sign 1006.163+/-0.140 χ^2/NDF: 5717517.9/45

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: -325.383+/-573.575 χ^2/NDF: 17.2/22

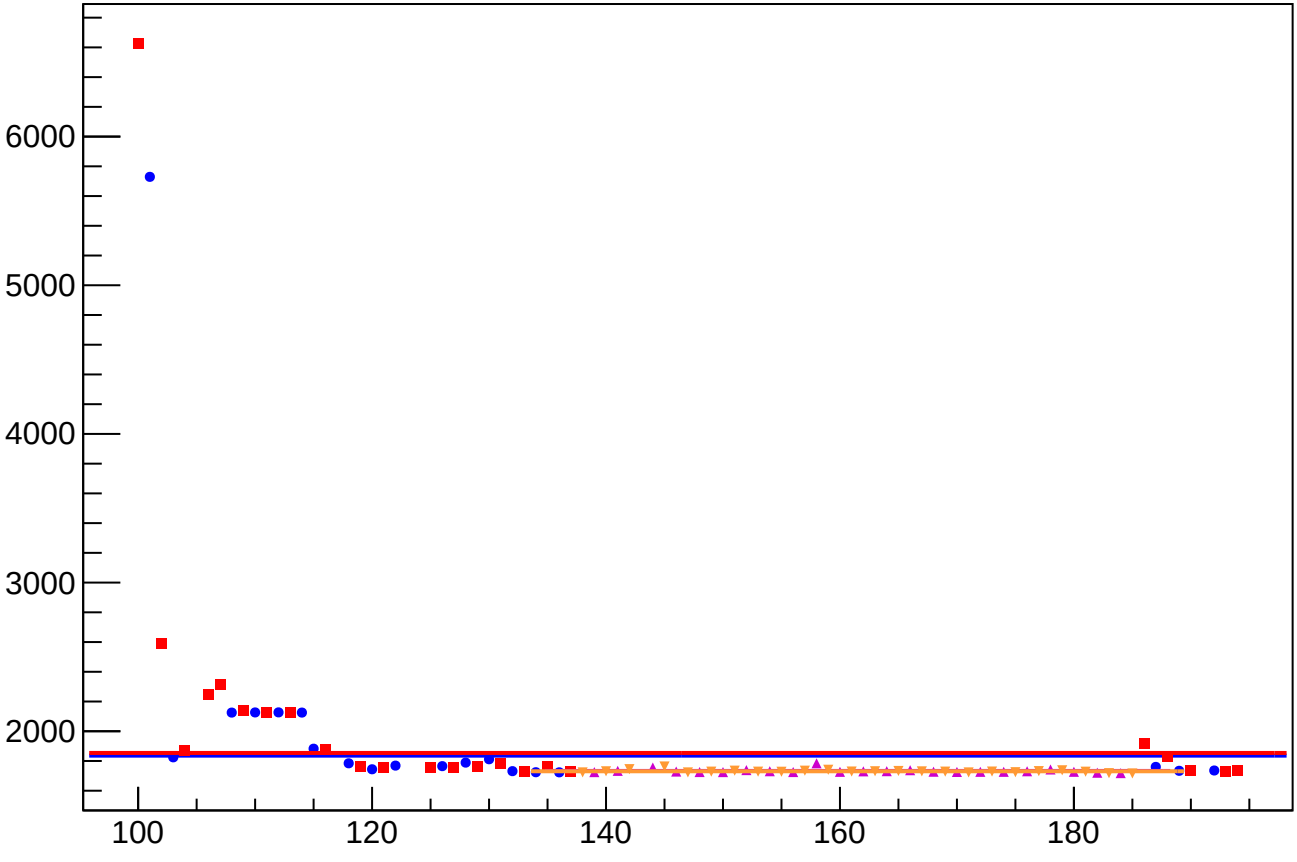
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 401.057+/-338.151 χ^2/NDF: 38.4/42

All: 97.705+/-236.407 χ^2/NDF: 86.8/88

- sign -192.315+/-330.637 χ^2/NDF: 46.8/45

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

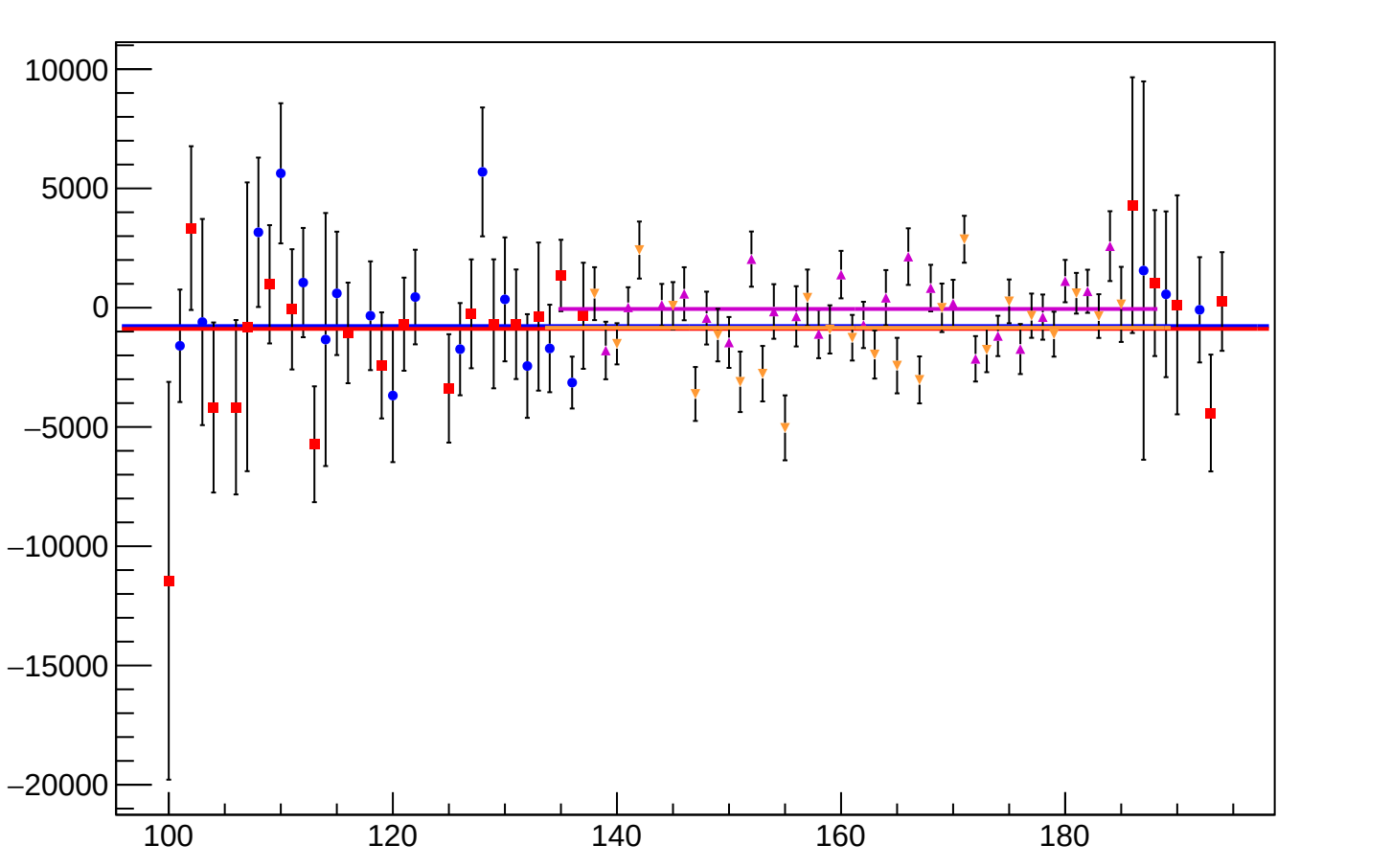
Right Out: 1854.038+/-0.406 χ^2/NDF: 287262.1/22

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1761.484+/-0.239 χ^2/NDF: 729410.9/42

All: 1767.486+/-0.167 χ^2/NDF: 1079603.5/88

- sign 1773.225+/-0.234 χ^2/NDF: 348959.9/45



Right In: -771.185+/-526.095 χ^2/NDF: 21.0/18

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

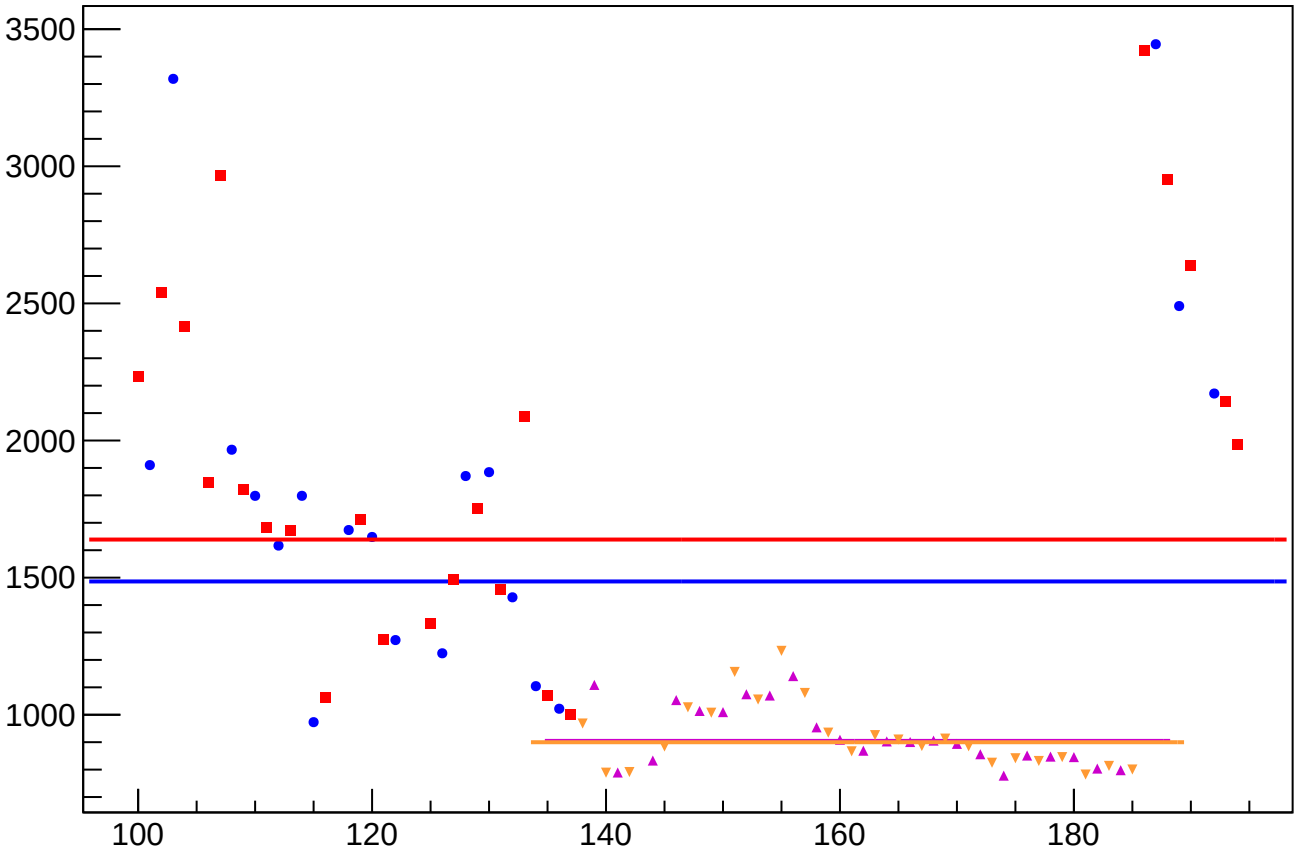
Right Out: -888.357+/-533.535 χ^2/NDF: 17.3/22

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -832.606+/-195.719 χ^2/NDF: 83.7/42

All: -504.101+/-139.121 χ^2/NDF: 139.4/88

- sign -168.604+/-197.791 χ^2/NDF: 50.0/45



Right In: 1486.128+/-0.372 χ^2/NDF: 1688512.5/18

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1638.920+/-0.377 χ^2/NDF: 1959661.5/22

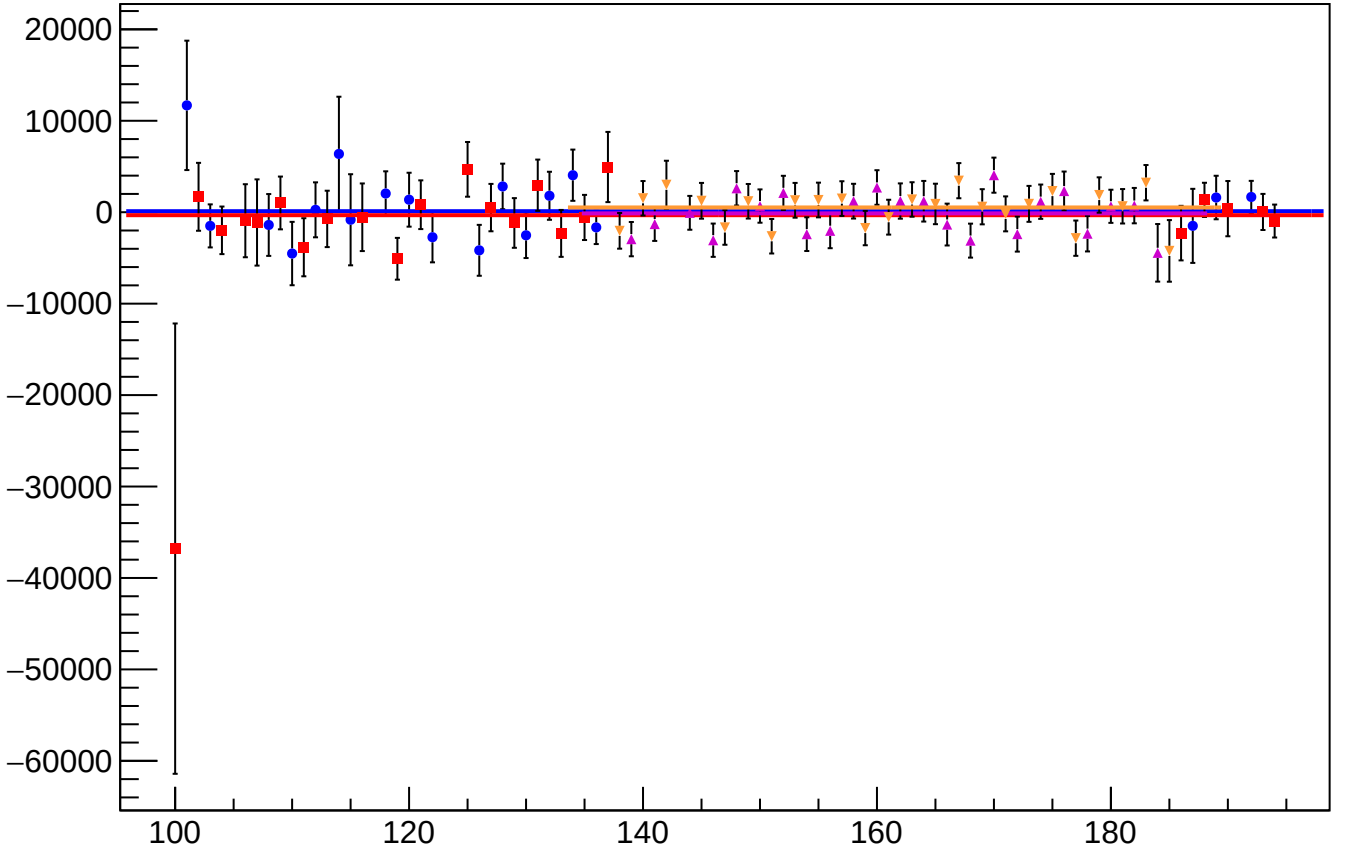
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 980.960+/-0.138 χ^2/NDF: 4324053.3/42

All: 993.132+/-0.098 χ^2/NDF: 10019035.5/88

- sign 1005.564+/-0.140 χ^2/NDF: 5679345.2/45

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: -325.383+/-573.575 χ^2/NDF: 17.2/22

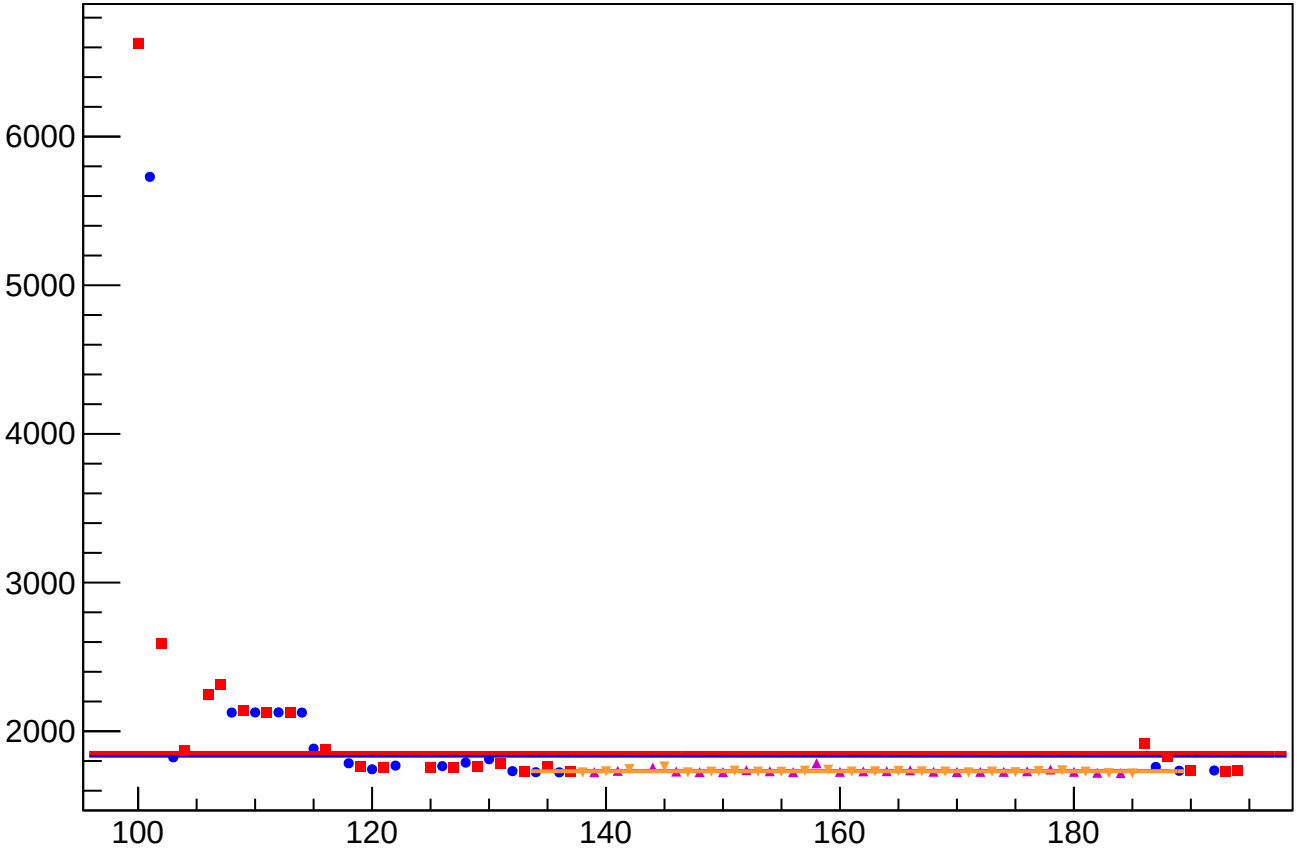
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 401.057+/-338.151 χ^2/NDF: 38.4/42

All: 97.705+/-236.407 χ^2/NDF: 86.8/88

- sign -192.315+/-330.637 χ^2/NDF: 46.8/45

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

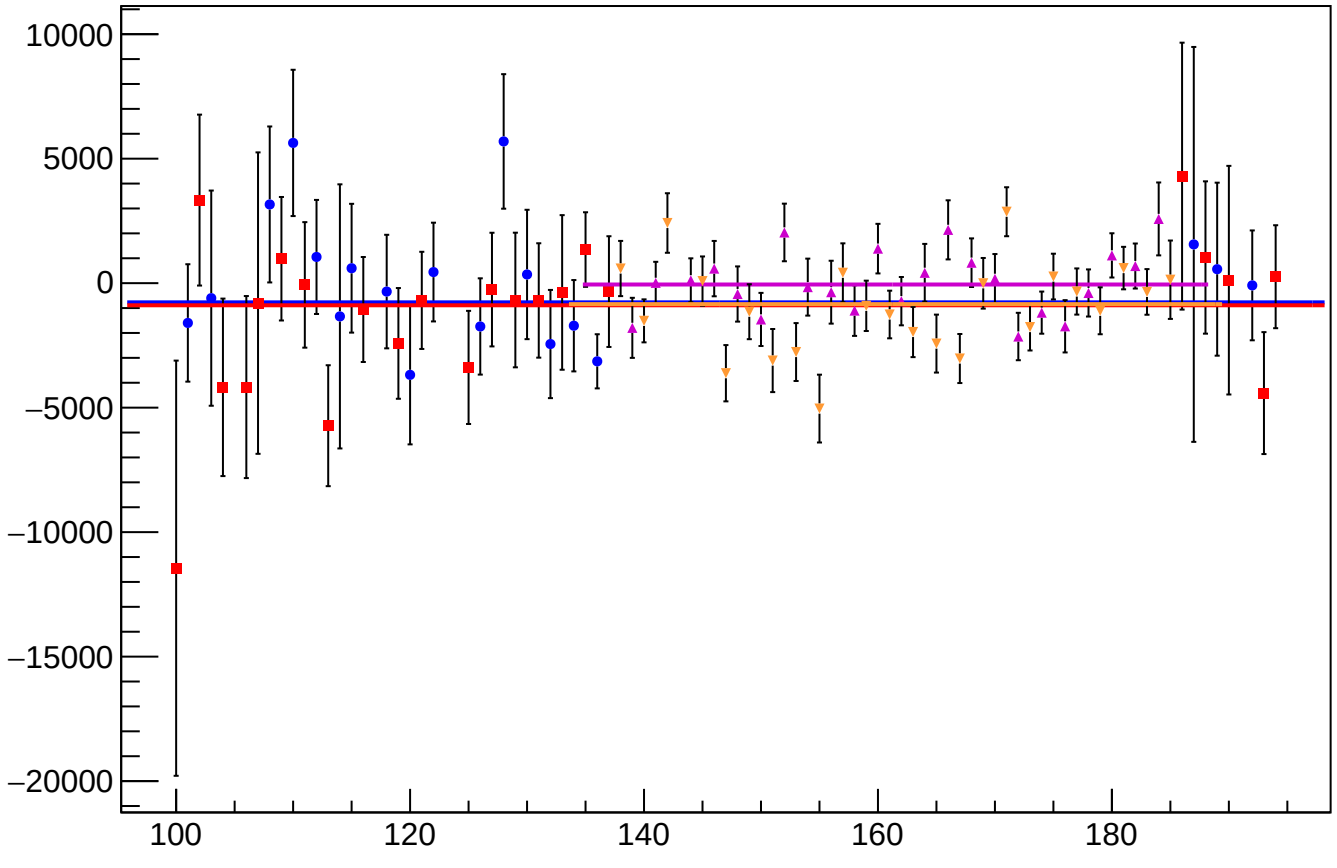
Right Out: 1854.038+/-0.406 χ^2/NDF: 287262.1/22

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1761.484+/-0.239 χ^2/NDF: 729410.9/42

All: 1767.486+/-0.167 χ^2/NDF: 1079603.5/88

- sign 1773.225+/-0.234 χ^2/NDF: 348959.9/45



Right In: -771.185+/-526.095 χ^2/NDF: 21.0/18

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

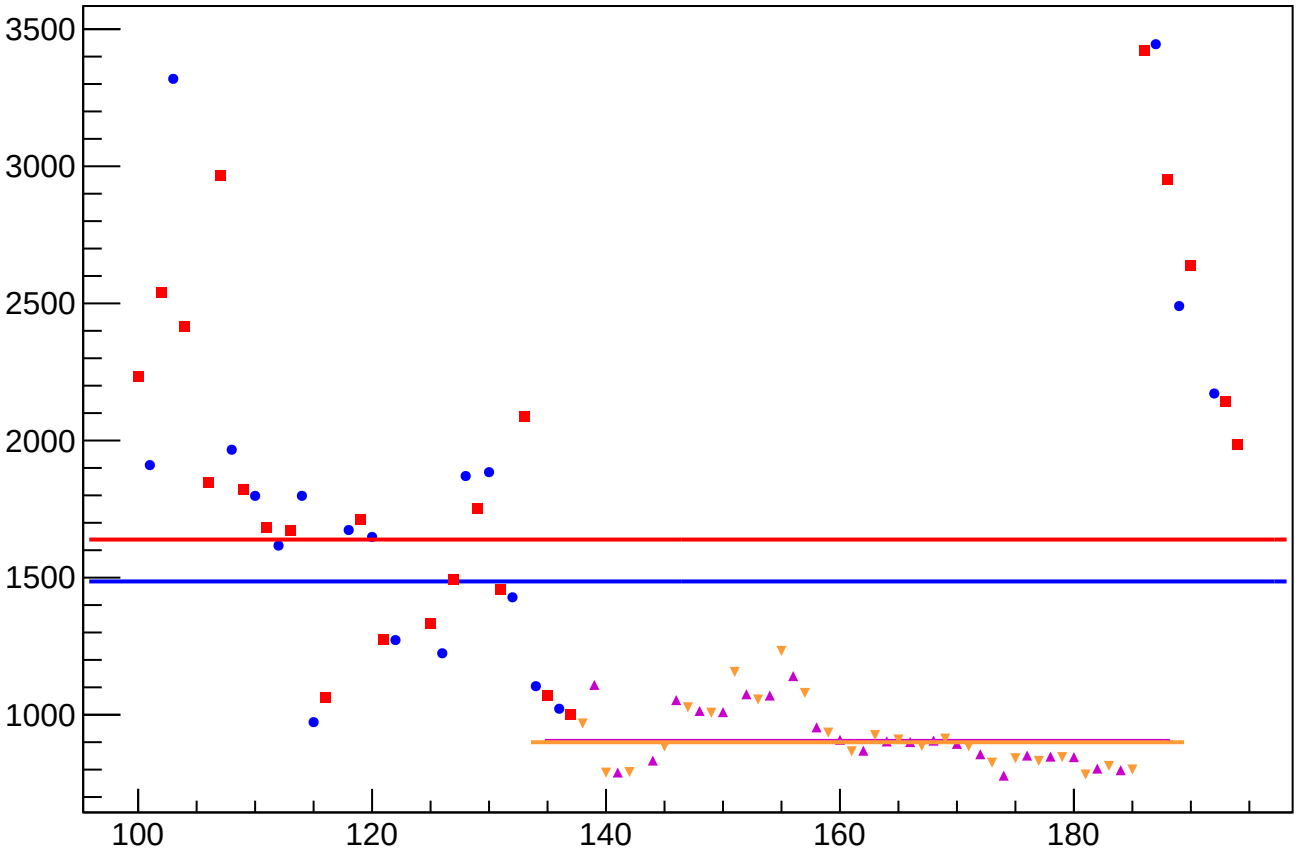
Right Out: -888.357+/-533.535 χ^2/NDF: 17.3/22

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -832.606+/-195.719 χ^2/NDF: 83.7/42

All: -504.101+/-139.121 χ^2/NDF: 139.4/88

- sign -168.604+/-197.791 χ^2/NDF: 50.0/45



Right In: 1486.128+/-0.372 χ^2/NDF: 1688512.5/18

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1638.920+/-0.377 χ^2/NDF: 1959661.5/22

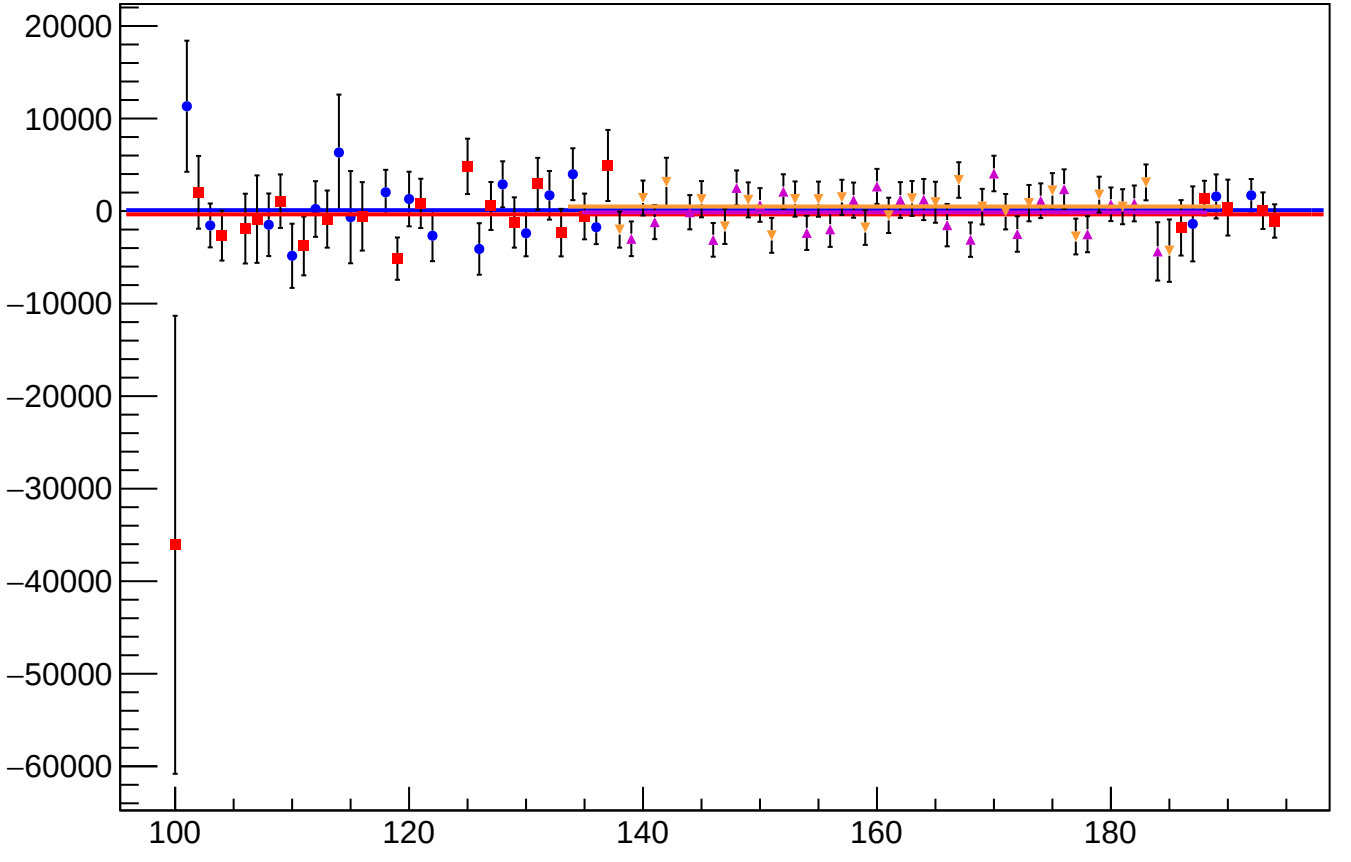
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 980.960+/-0.138 χ^2/NDF: 4324053.3/42

All: 993.132+/-0.098 χ^2/NDF: 10019035.5/88

- sign 1005.564+/-0.140 χ^2/NDF: 5679345.2/45

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: -356.087+/-574.981 χ^2/NDF: 17.8/22

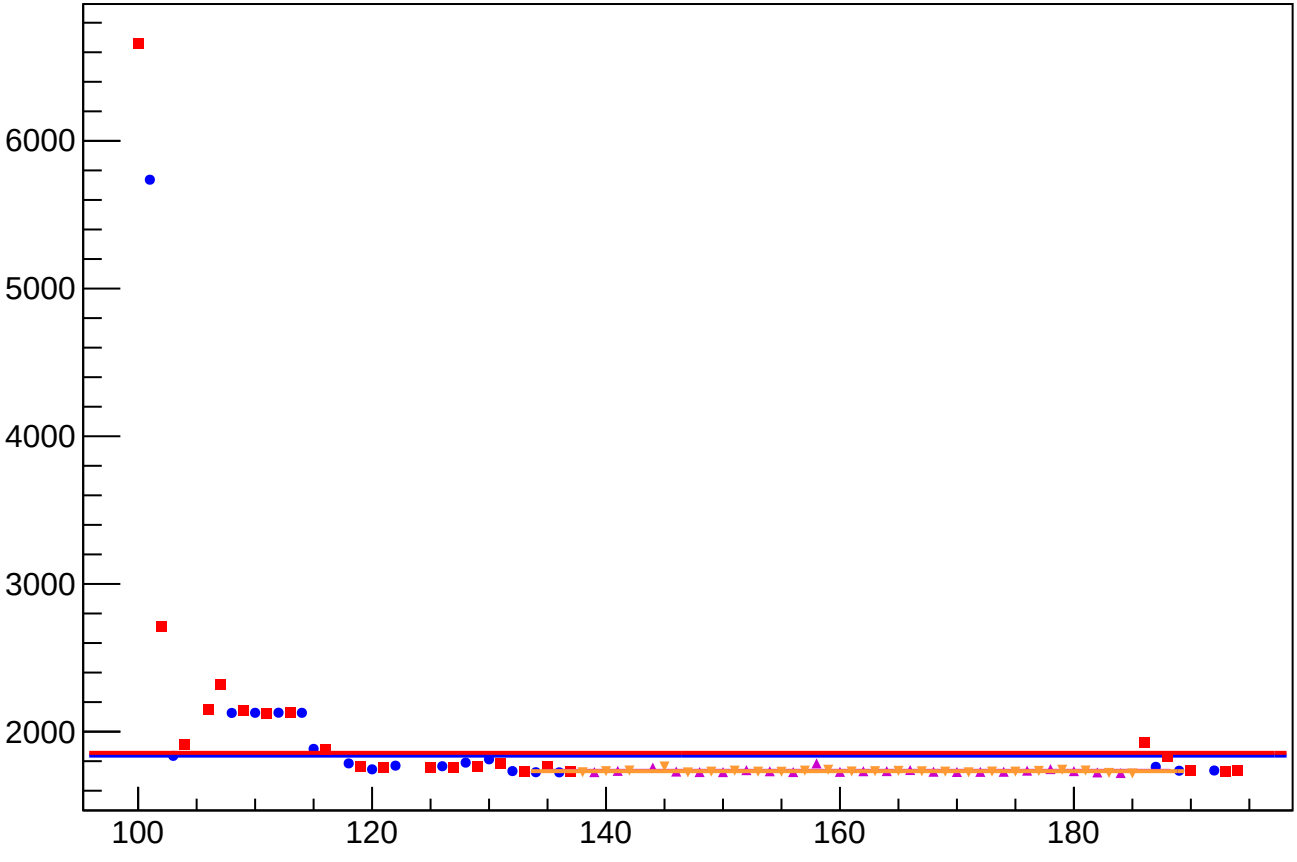
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

\+ sign 378.396+/-338.471 χ^2/NDF: 37.6/42

All: 77.849+/-236.688 χ^2/NDF: 86.6/88

\- sign -209.759+/-331.105 χ^2/NDF: 47.5/45

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

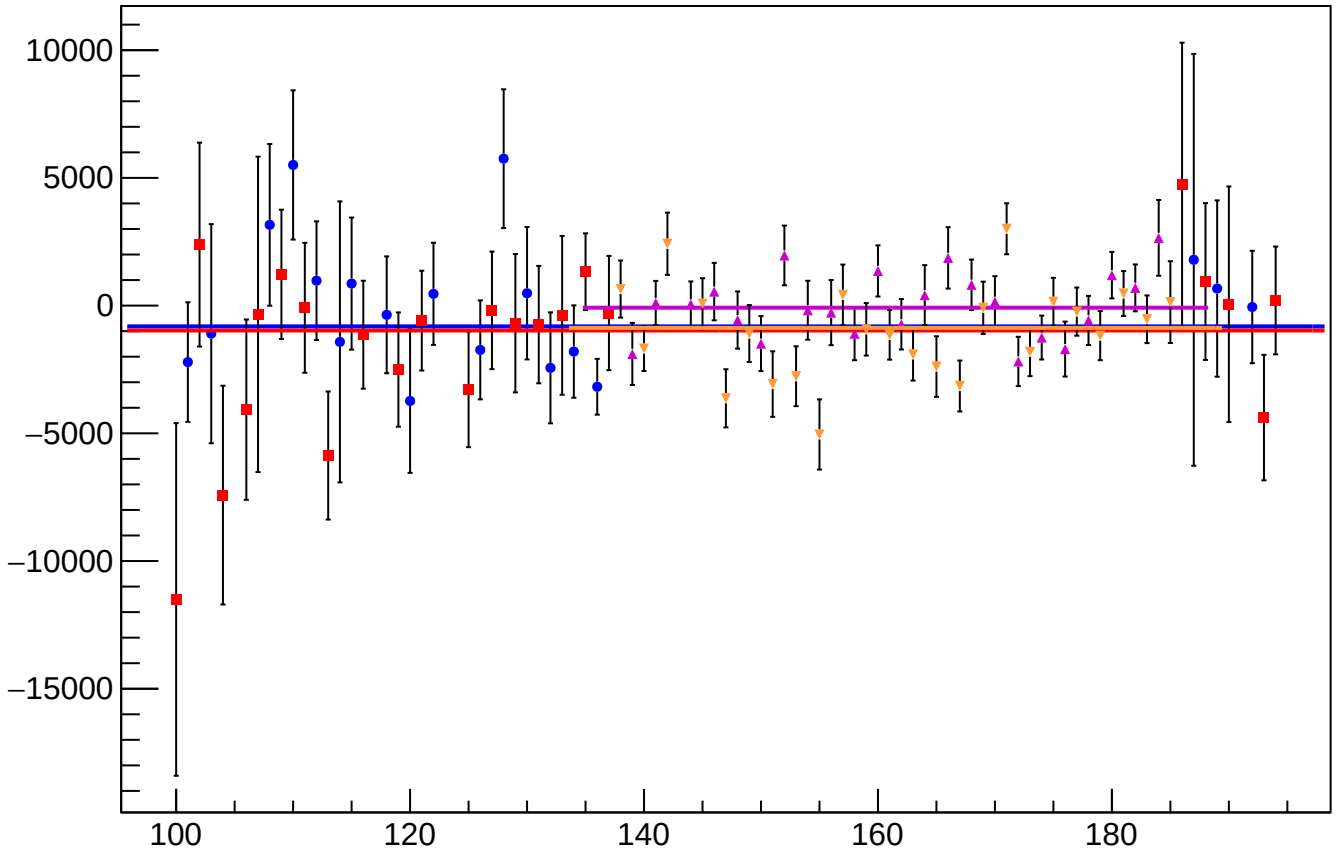
Right Out: 1856.490+/-0.407 χ^2/NDF: 297976.3/22

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1763.055+/-0.239 χ^2/NDF: 729843.1/42

All: 1769.158+/-0.167 χ^2/NDF: 1091413.8/88

- sign 1774.998+/-0.234 χ^2/NDF: 360298.2/45



Right In: -813.473+/-526.925 χ^2/NDF: 21.4/18

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

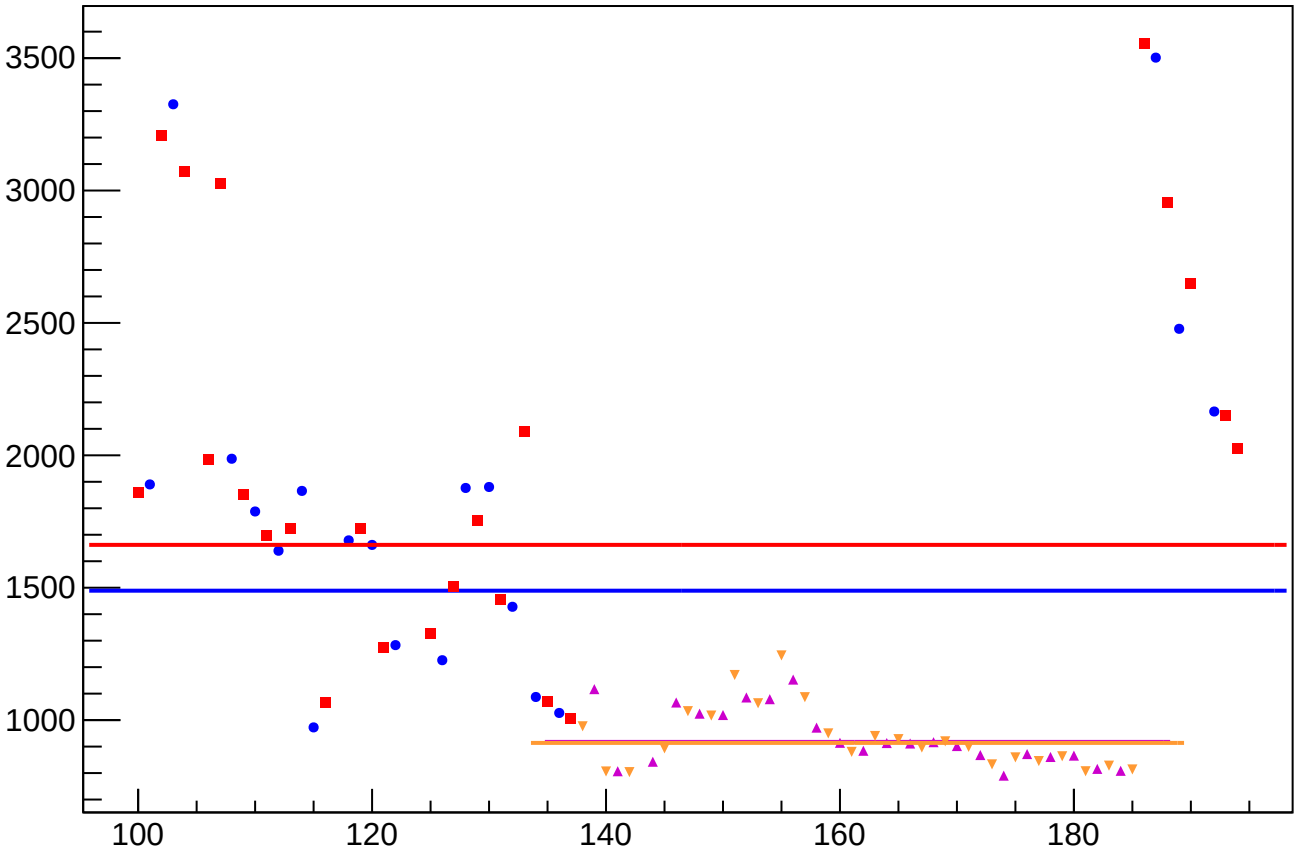
Right Out: -973.284+/-539.710 χ^2/NDF: 18.7/22

Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

\+ sign -864.423+/-198.278 χ^2/NDF: 83.4/42

All: -538.108+/-140.971 χ^2/NDF: 139.9/88

\- sign -204.550+/-200.467 χ^2/NDF: 51.0/45



Right In: 1488.751+/-0.373 χ^2/NDF: 1694958.4/18

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1661.773+/-0.382 χ^2/NDF: 2292310.5/22

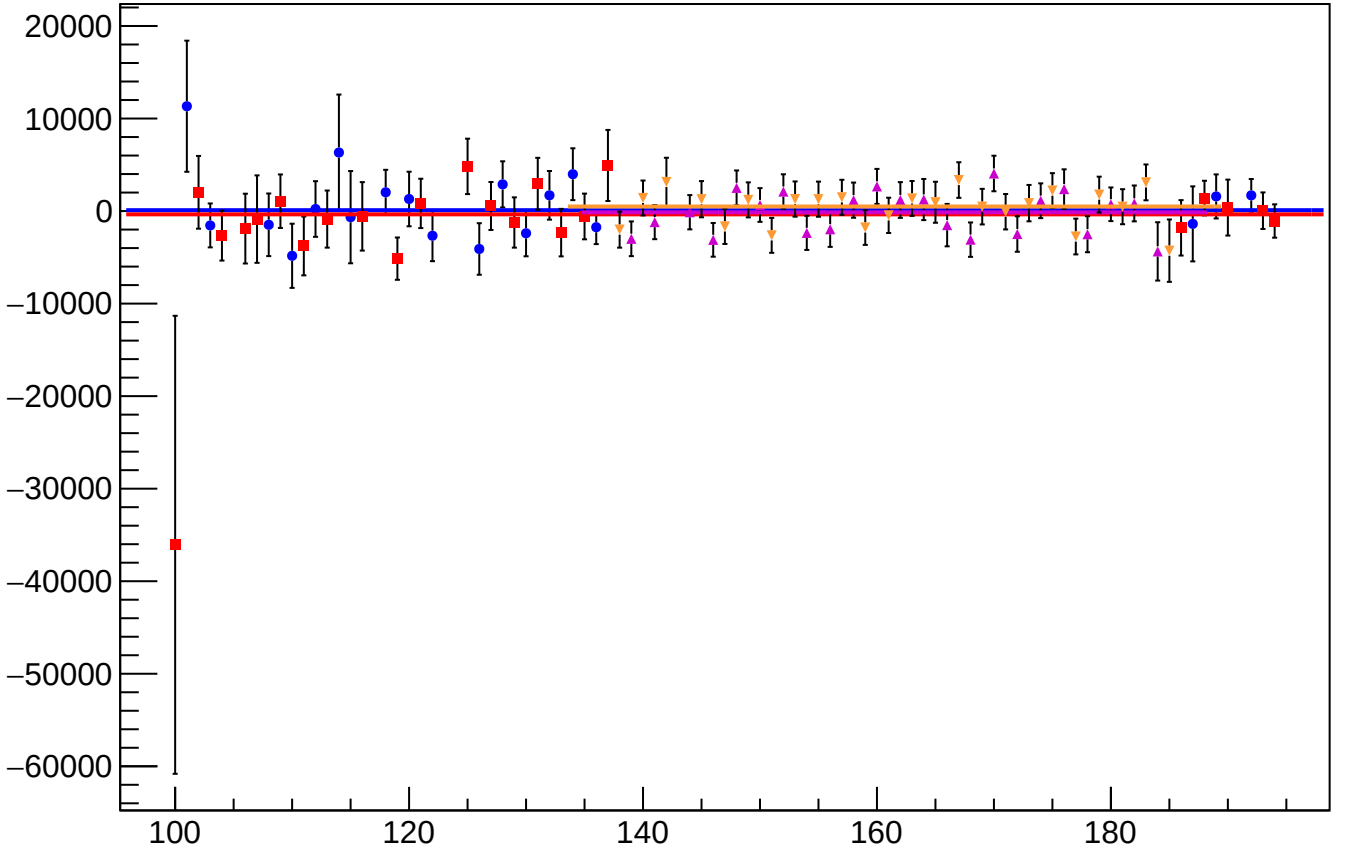
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 995.296+/-0.140 χ^2/NDF: 4201124.9/42

All: 1007.677+/-0.100 χ^2/NDF: 10216850.8/8

- sign 1020.332+/-0.142 χ^2/NDF: 5999956.6/45

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: -356.085+/-574.981 χ^2/NDF: 17.8/22

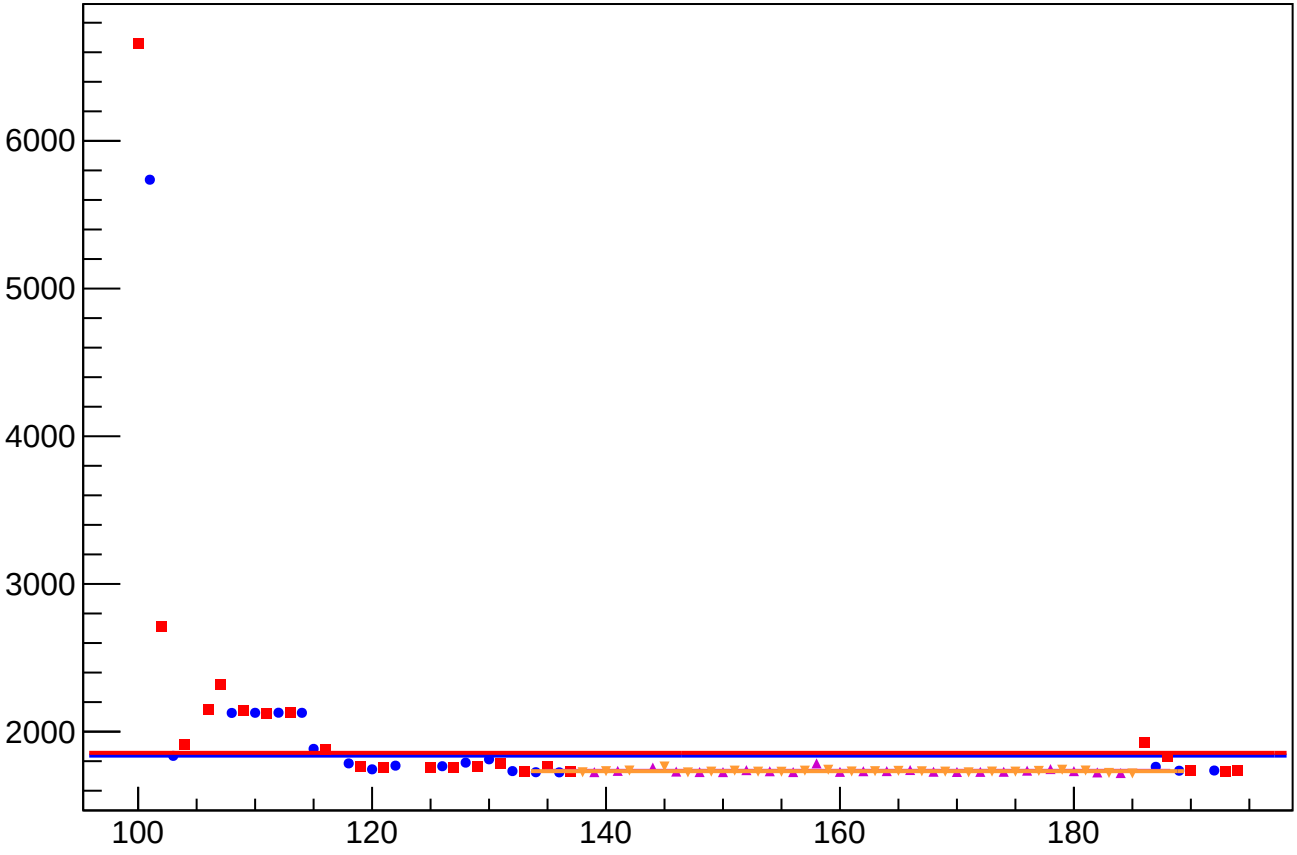
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 378.396+/-338.471 χ^2/NDF: 37.6/42

All: 77.849+/-236.688 χ^2/NDF: 86.6/88

- sign -209.759+/-331.105 χ^2/NDF: 47.5/45

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

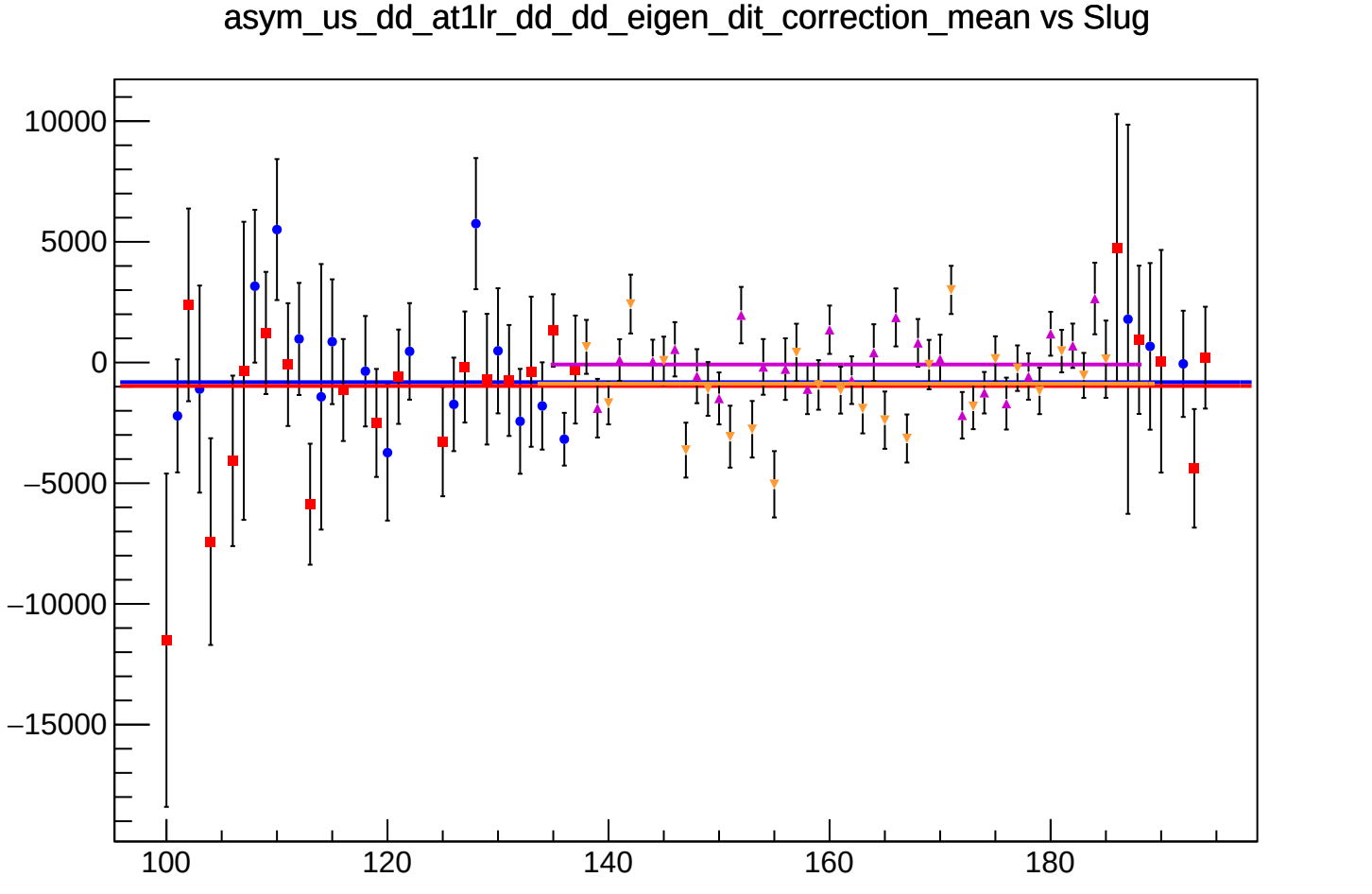
Right Out: 1856.490+/-0.407 χ^2/NDF: 297976.1/22

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1763.055+/-0.239 χ^2/NDF: 729843.1/42

All: 1769.158+/-0.167 χ^2/NDF: 1091413.5/88

- sign 1774.998+/-0.234 χ^2/NDF: 360297.9/45



Right In: -813.468+/-526.924 χ^2/NDF: 21.4/18

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

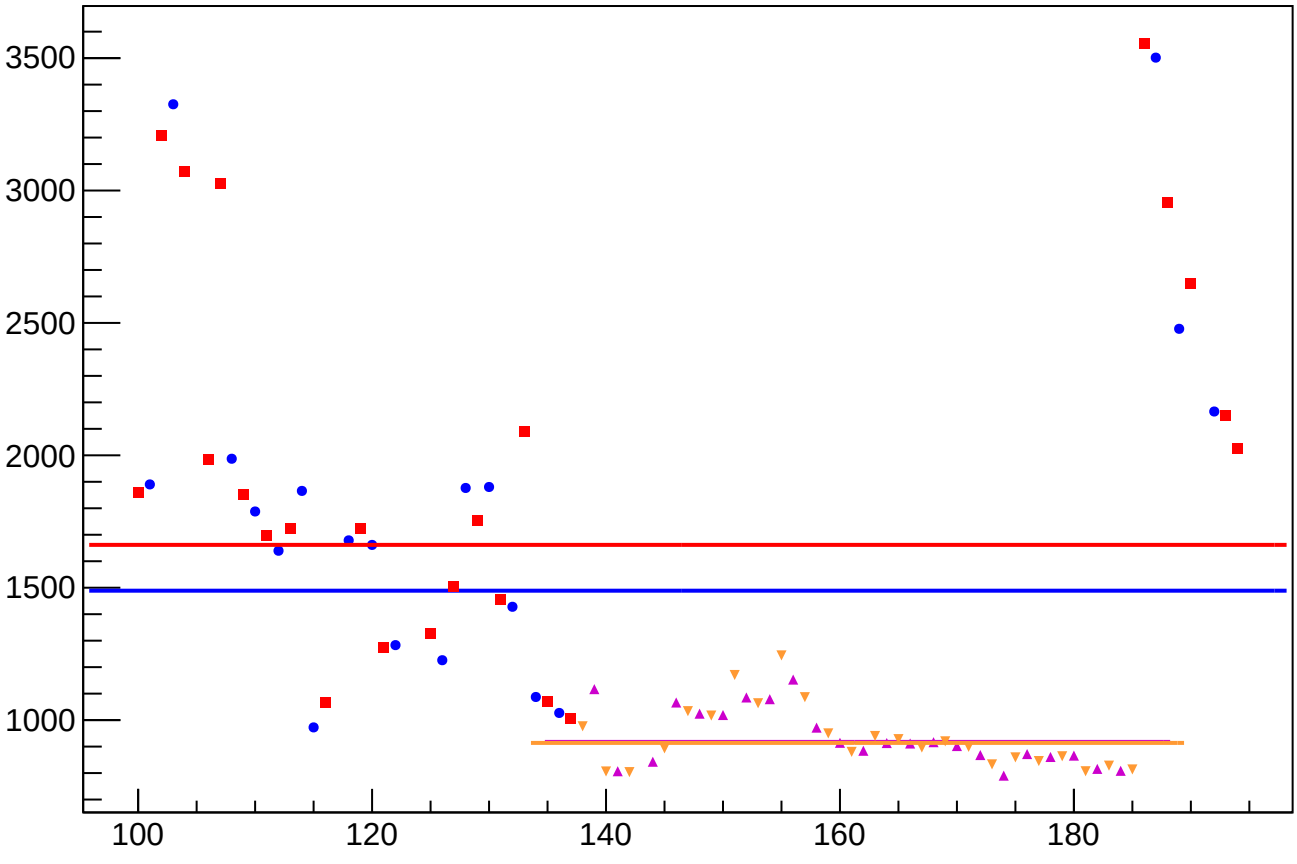
Right Out: -973.282+/-539.709 χ^2/NDF: 18.7/22

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -864.421+/-198.278 χ^2/NDF: 83.4/42

All: -538.107+/-140.971 χ^2/NDF: 139.9/88

- sign -204.549+/-200.467 χ^2/NDF: 51.0/45



Right In: 1488.747+/-0.373 χ^2/NDF: 1694958.5/18

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1661.770+/-0.382 χ^2/NDF: 2292315.2/22

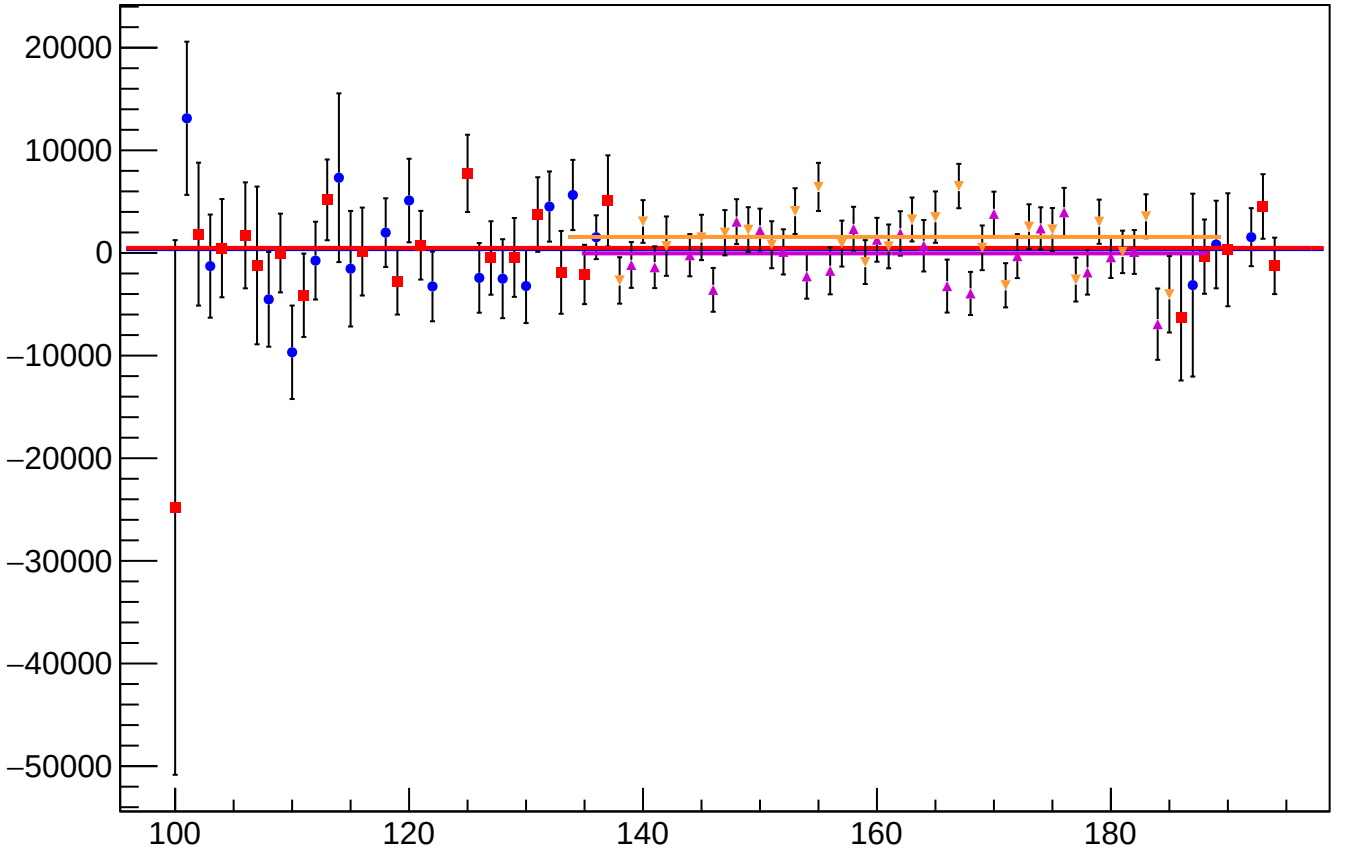
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 995.295+/-0.140 χ^2/NDF: 4201119.1/42

All: 1007.676+/-0.100 χ^2/NDF: 10216848.4/8

- sign 1020.332+/-0.142 χ^2/NDF: 5999960.1/45

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: 493.839+/-831.233 χ^2/NDF: 15.1/22

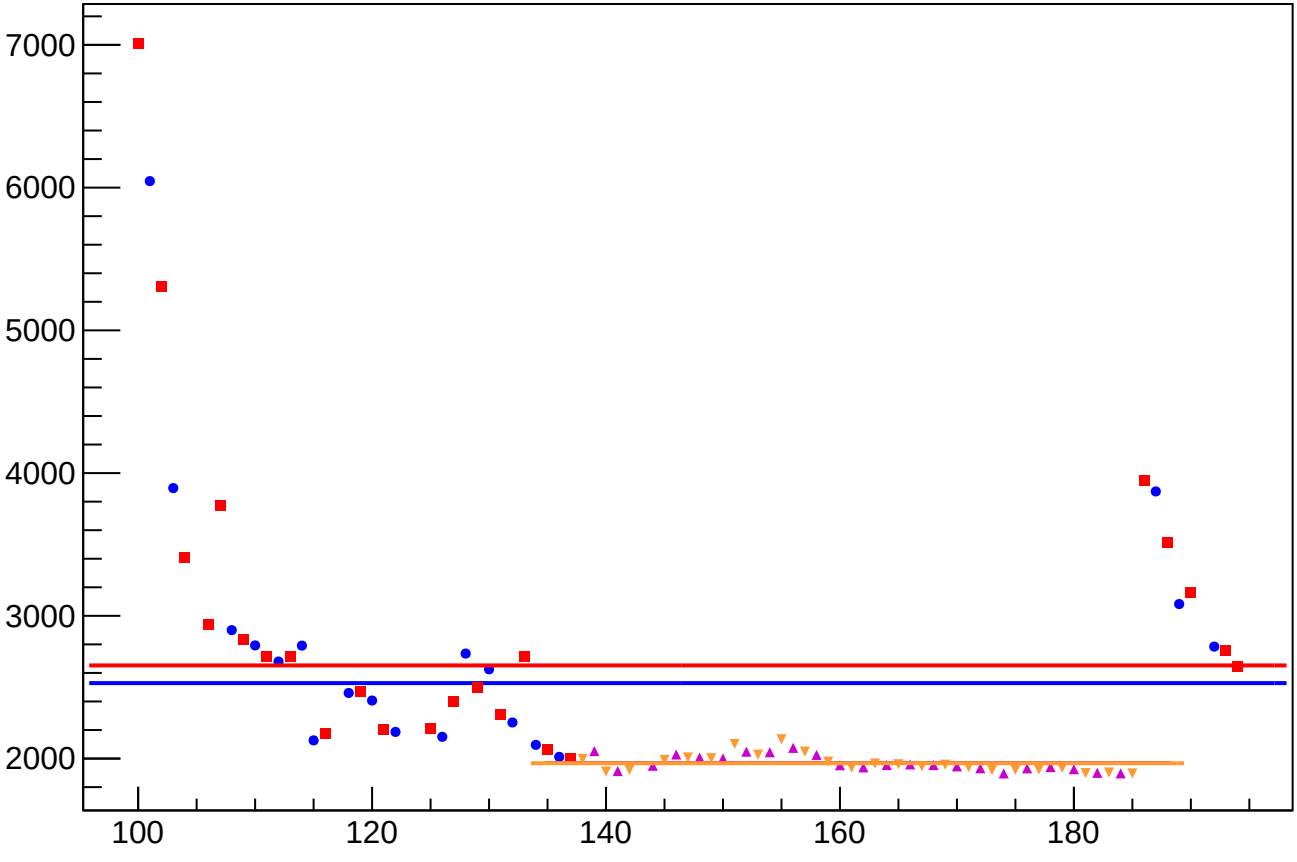
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1305.442+/-404.549 χ^2/NDF: 52.1/42

All: 692.140+/-285.310 χ^2/NDF: 99.8/88

- sign 85.219+/-402.439 χ^2/NDF: 43.2/45

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

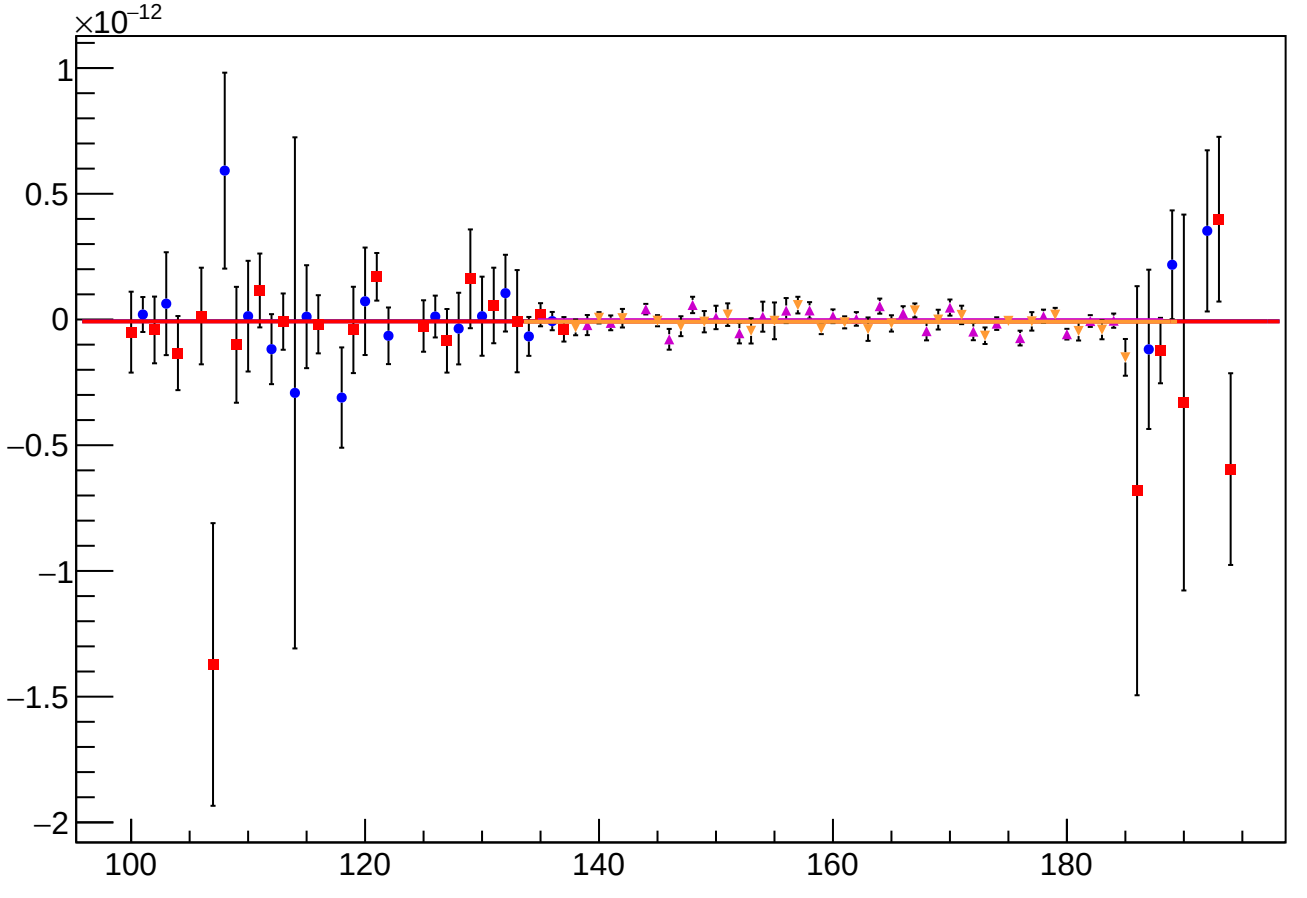
Right Out: 2652.611+/-0.588 χ^2/NDF: 923986.7/22

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2088.638+/-0.286 χ^2/NDF: 1625634.6/42

All: 2109.053+/-0.202 χ^2/NDF: 3621847.5/88

- sign 2129.255+/-0.285 χ^2/NDF: 1986079.6/45



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

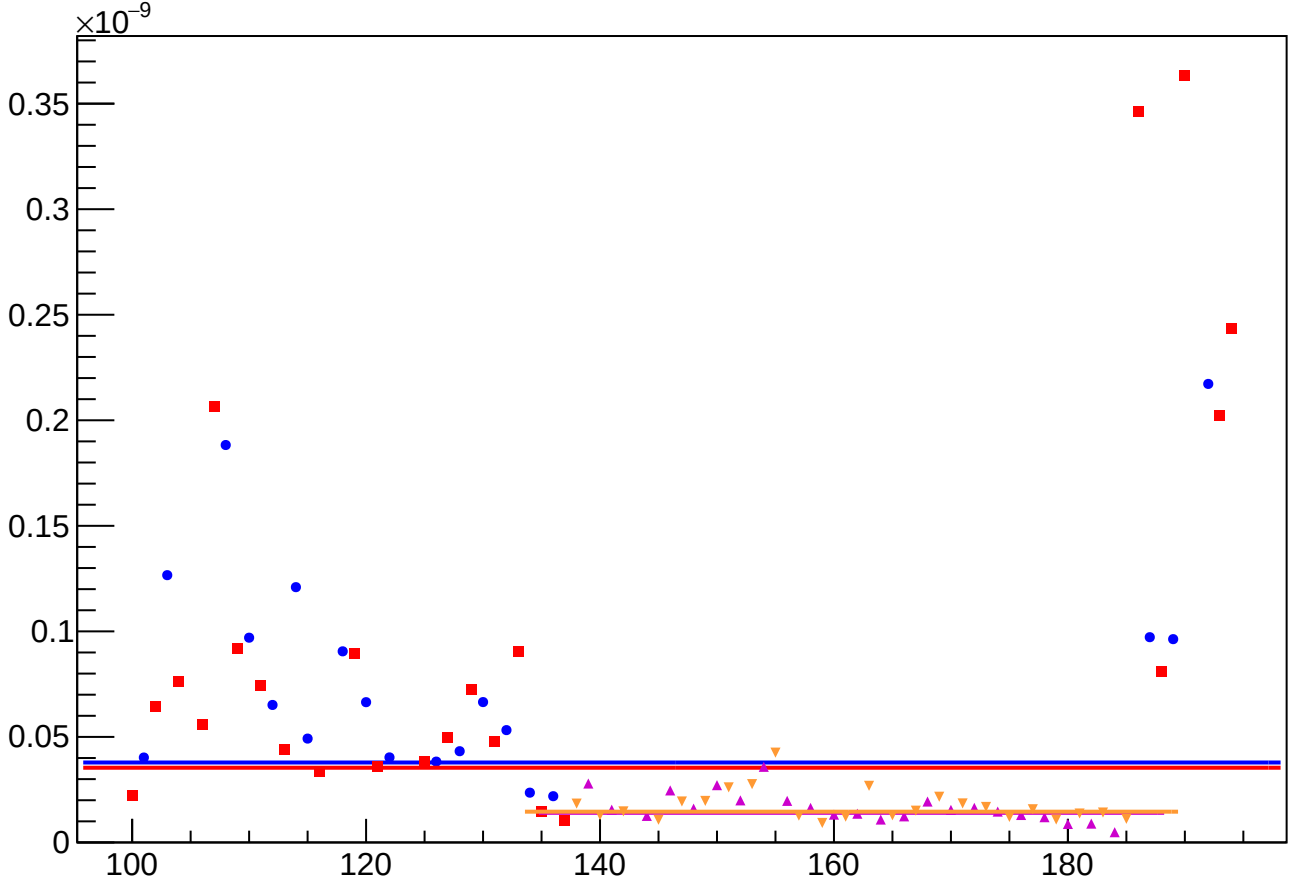
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/22

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.6/42

All: -0.000+/-0.000 χ^2/NDF: 88.8/88

- sign -0.000+/-0.000 χ^2/NDF: 57.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 2478292.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4161863.0/22

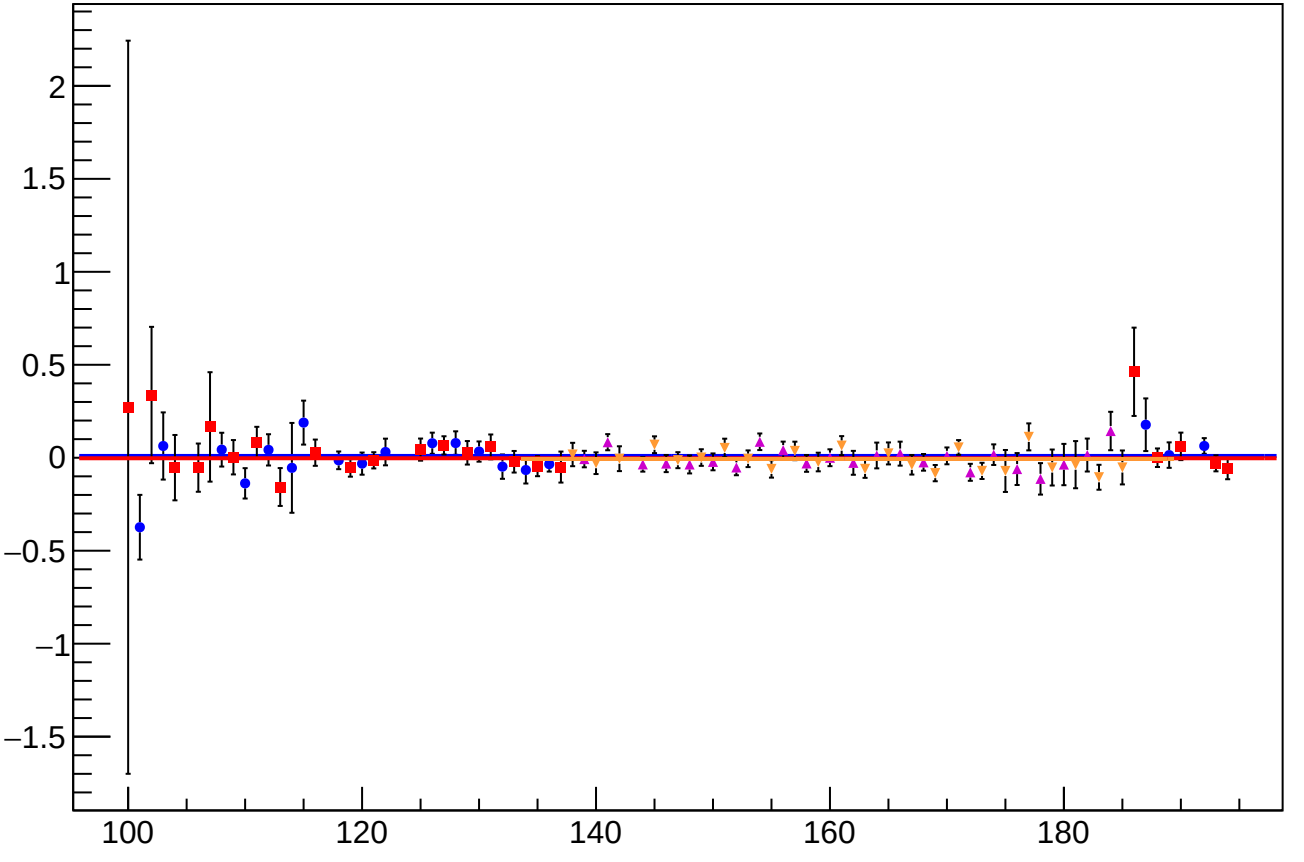
Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 5381801.2/42

All: 0.000+/-0.000 χ^2/NDF: 12491358.8/88

- sign 0.000+/-0.000 χ^2/NDF: 7096990.6/45

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: -0.003+/-0.014 χ^2/NDF: 16.9/22

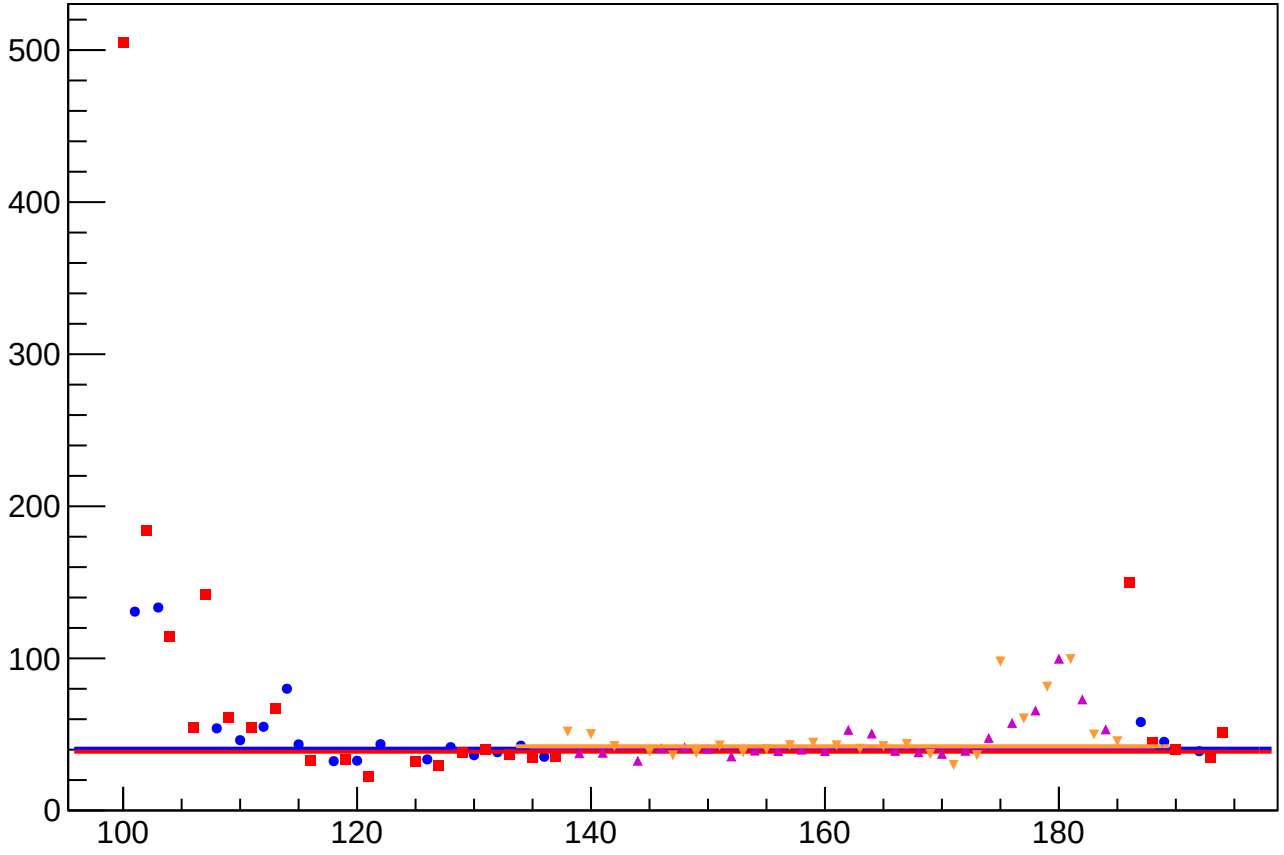
Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 45.3/42

All: -0.003+/-0.006 χ^2/NDF: 82.4/88

- sign -0.005+/-0.009 χ^2/NDF: 37.0/45

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.616+/-0.011 χ^2/NDF: 1452845.5/18

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

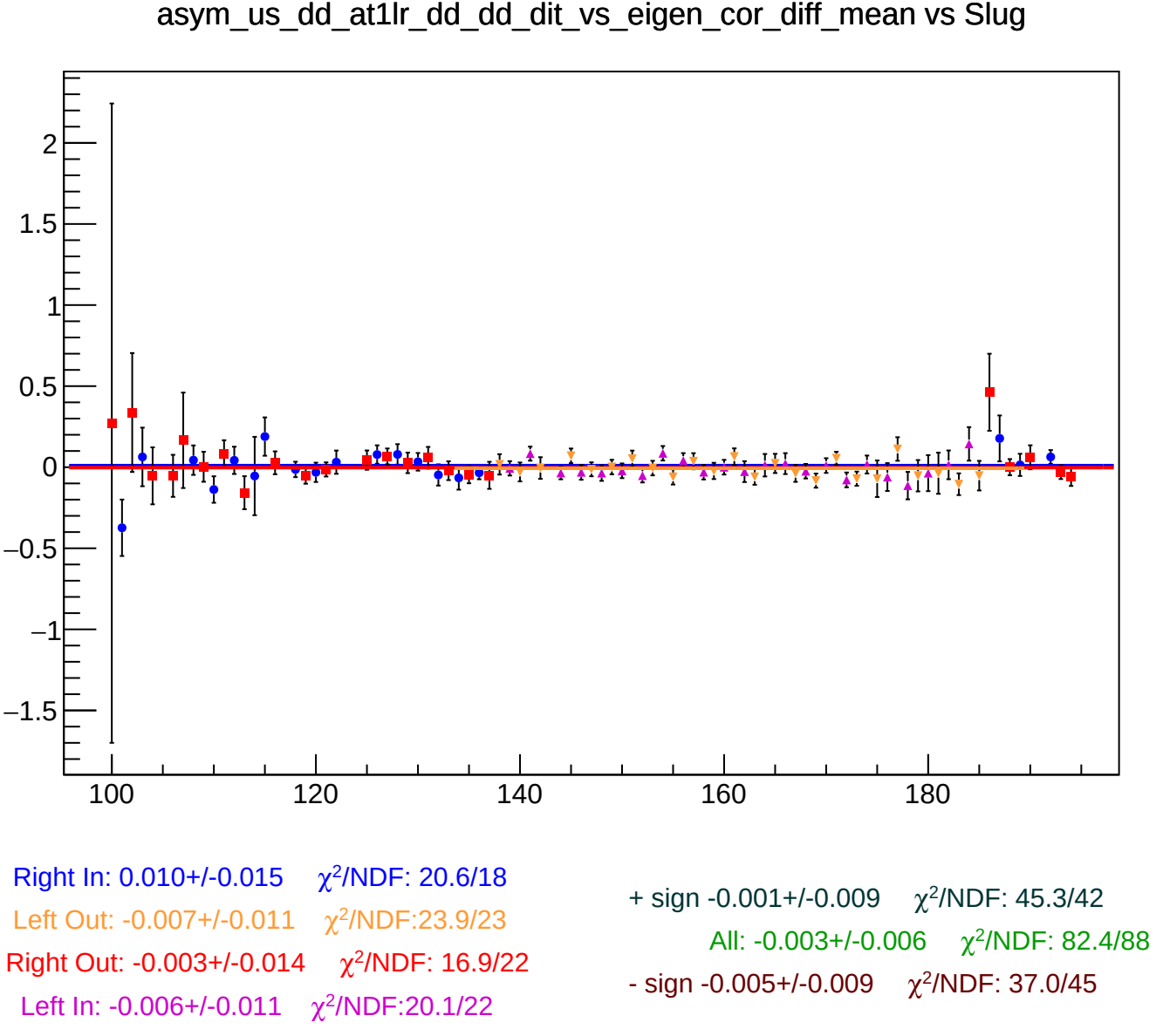
Right Out: 38.641+/-0.010 χ^2/NDF: 2442045.5/22

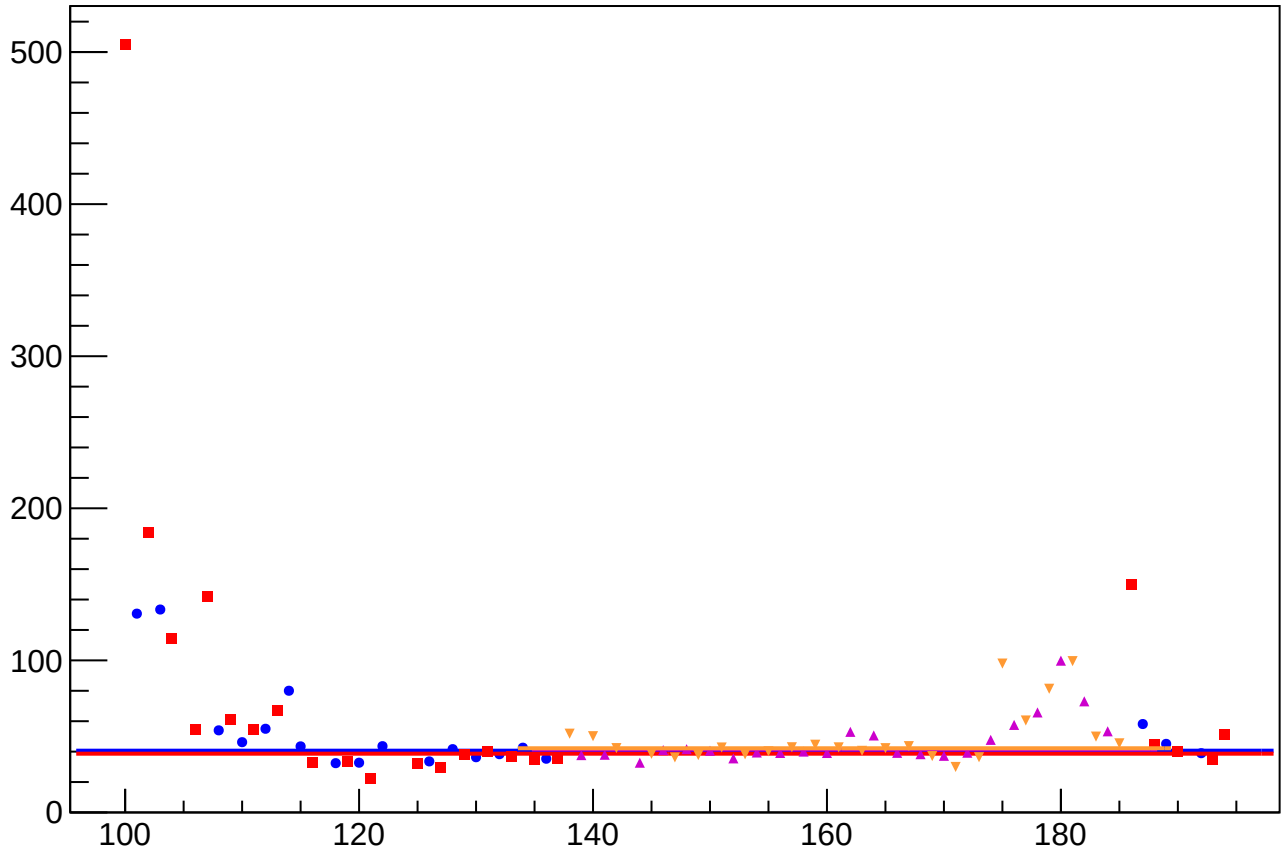
Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.672+/-0.006 χ^2/NDF: 3286525.1/42

All: 41.009+/-0.004 χ^2/NDF: 7211432.0/88

- sign 40.397+/-0.006 χ^2/NDF: 3903522.2/45


asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
Right In: 0.010+/-0.015 χ²/NDF: 20.6/18
Left Out: -0.007+/-0.011 χ²/NDF:23.9/23
Right Out: -0.003+/-0.014 χ²/NDF: 16.9/22
Left In: -0.006+/-0.011 χ²/NDF:20.1/22
+ sign -0.001+/-0.009 χ²/NDF: 45.3/42
All: -0.003+/-0.006 χ²/NDF: 82.4/88
- sign -0.005+/-0.009 χ²/NDF: 37.0/45



Right In: 40.616+/-0.011 χ^2/NDF: 1452845.5/18

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

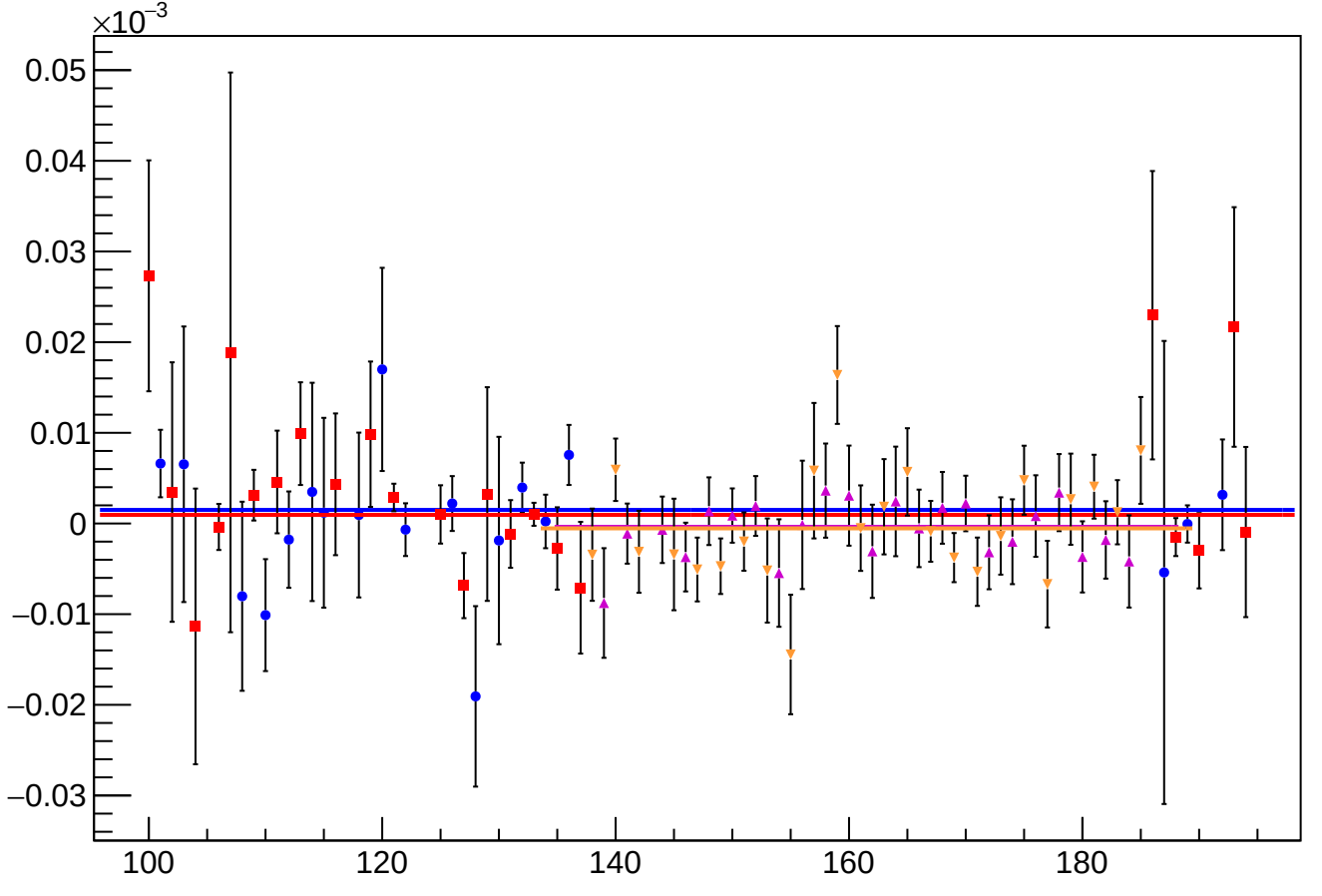
Right Out: 38.641+/-0.010 χ^2/NDF: 2442045.5/22

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

\+ sign 41.672+/-0.006 χ^2/NDF: 3286525.1/42

All: 41.009+/-0.004 χ^2/NDF: 7211432.0/88

\- sign 40.397+/-0.006 χ^2/NDF: 3903522.2/45



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

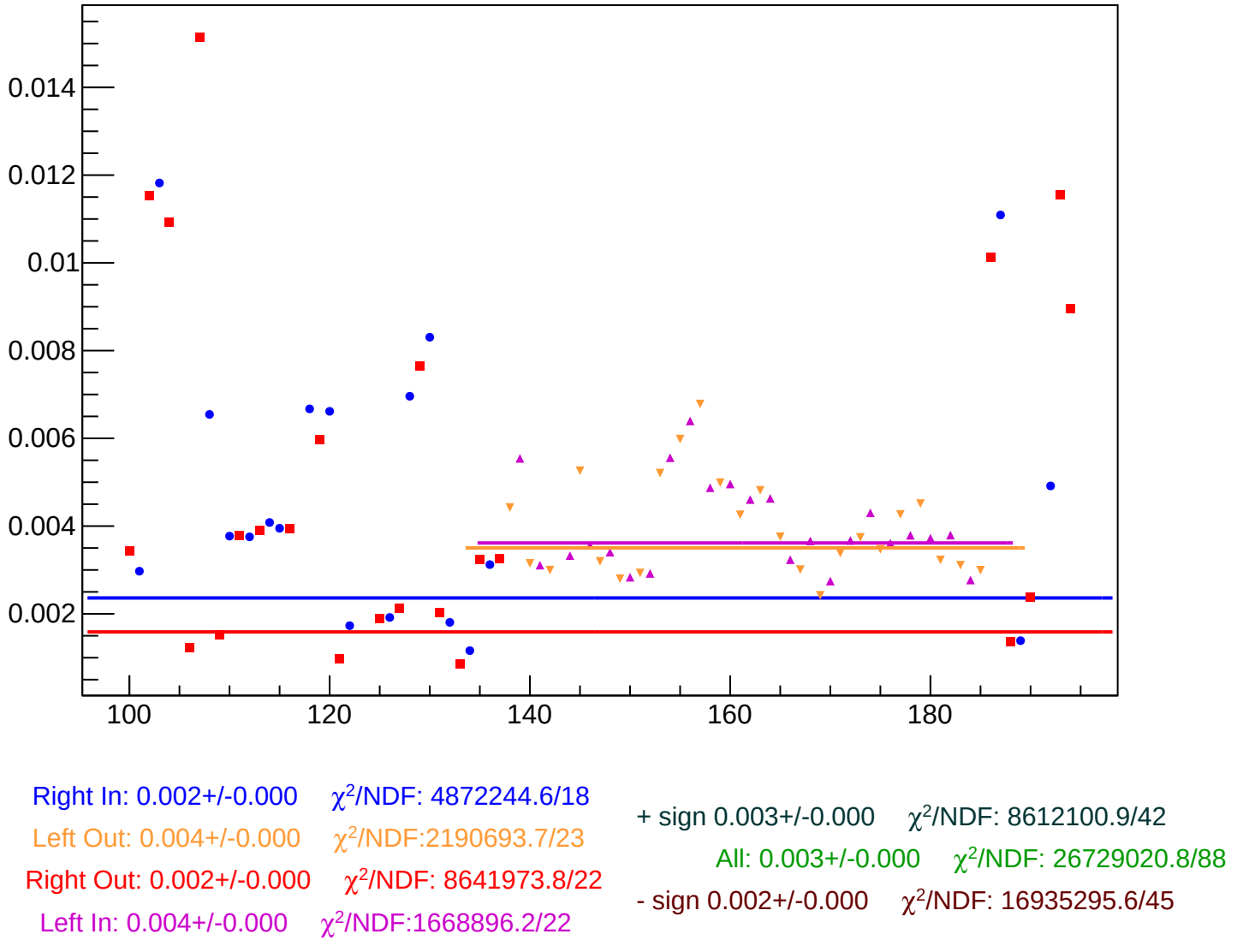
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/22

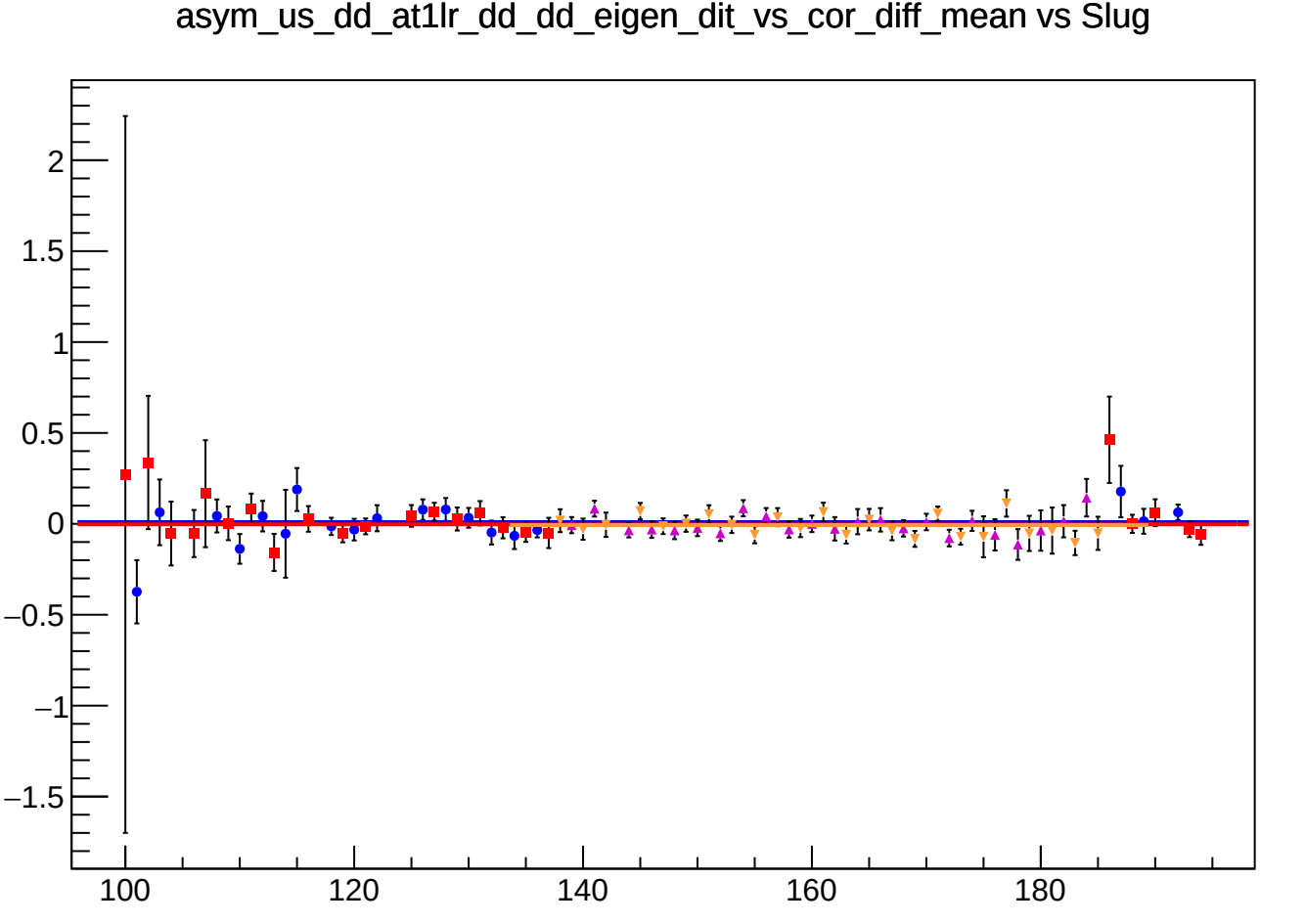
Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/42

All: 0.000+/-0.000 χ^2/NDF: 94.9/88

- sign 0.000+/-0.000 χ^2/NDF: 36.9/45


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
Right In: 0.002+/-0.000 χ²/NDF: 4872244.6/18
Left Out: 0.004+/-0.000 χ²/NDF:2190693.7/23
Right Out: 0.002+/-0.000 χ²/NDF: 8641973.8/22
Left In: 0.004+/-0.000 χ²/NDF:1668896.2/22
+ sign 0.003+/-0.000 χ²/NDF: 8612100.9/42
All: 0.003+/-0.000 χ²/NDF: 26729020.8/88
- sign 0.002+/-0.000 χ²/NDF: 16935295.6/45



Right In: 0.010+/-0.015 χ^2/NDF: 20.6/18

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

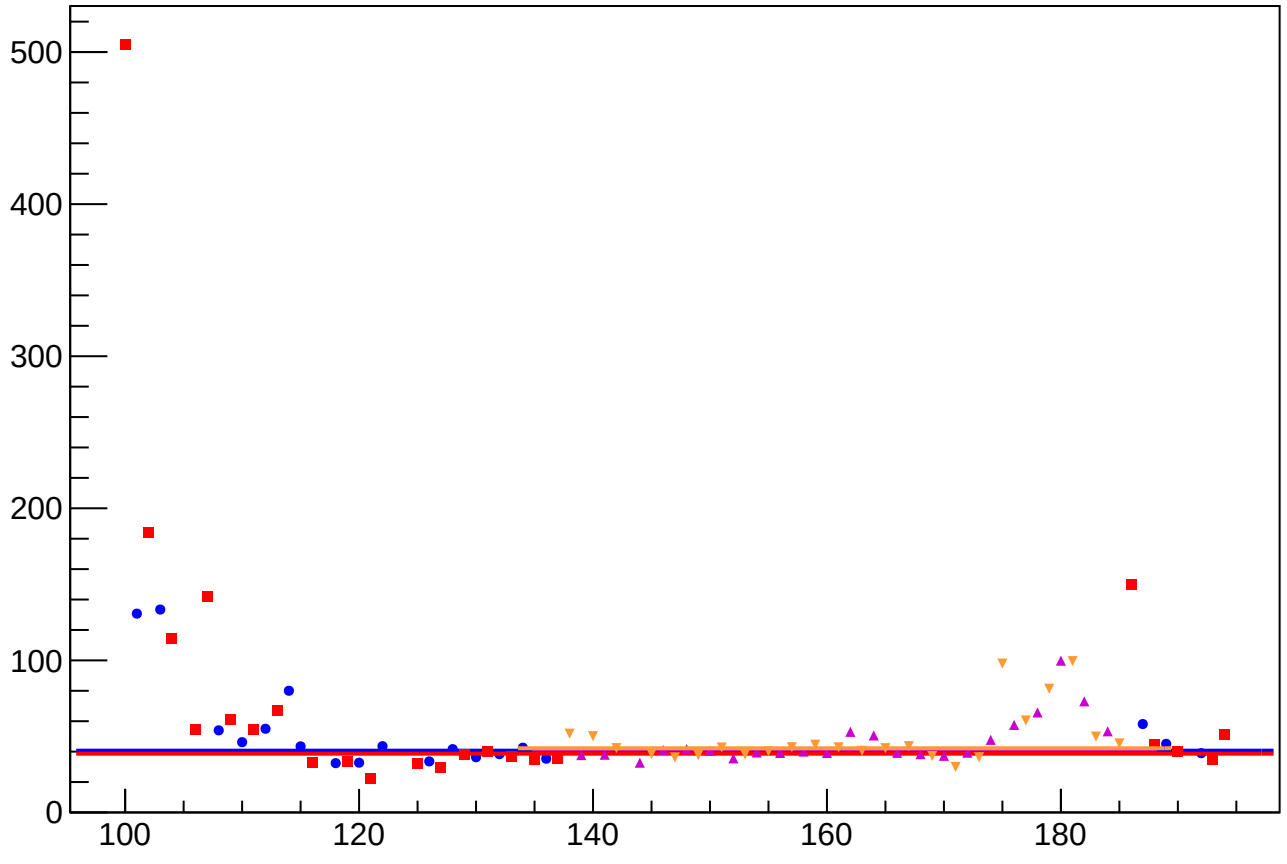
Right Out: -0.003+/-0.014 χ^2/NDF: 16.9/22

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 45.3/42

All: -0.003+/-0.006 χ^2/NDF: 82.4/88

- sign -0.005+/-0.009 χ^2/NDF: 37.0/45



Right In: 40.616+/-0.011 χ^2/NDF: 1452716.7/18

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

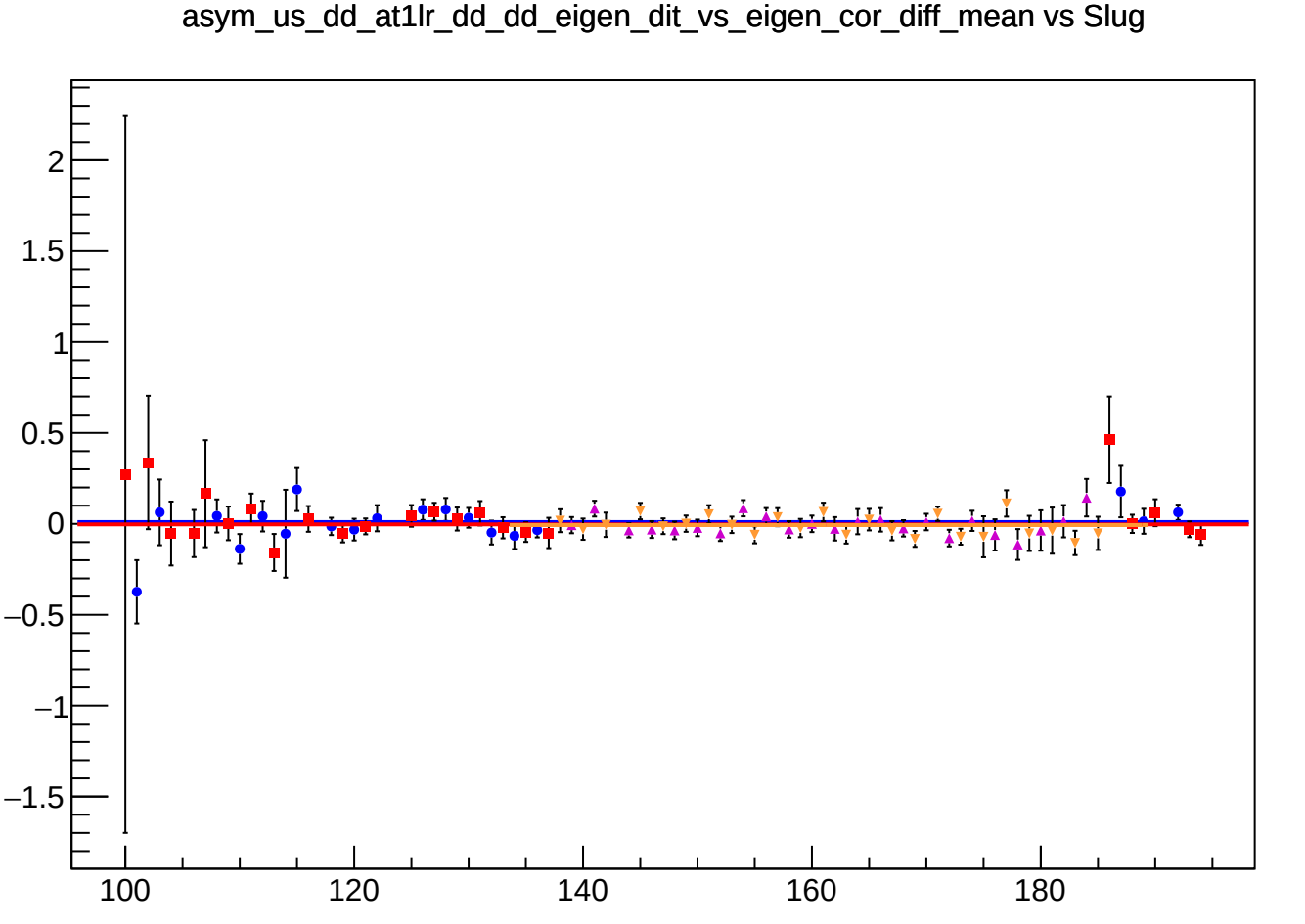
Right Out: 38.640+/-0.010 χ^2/NDF: 2442035.8/22

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 41.672+/-0.006 χ^2/NDF: 3286387.1/42

All: 41.008+/-0.004 χ^2/NDF: 7211271.9/88

\- sign 40.397+/-0.006 χ^2/NDF: 3903482.1/45



Right In: 0.010+/-0.015 χ^2/NDF: 20.6/18

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

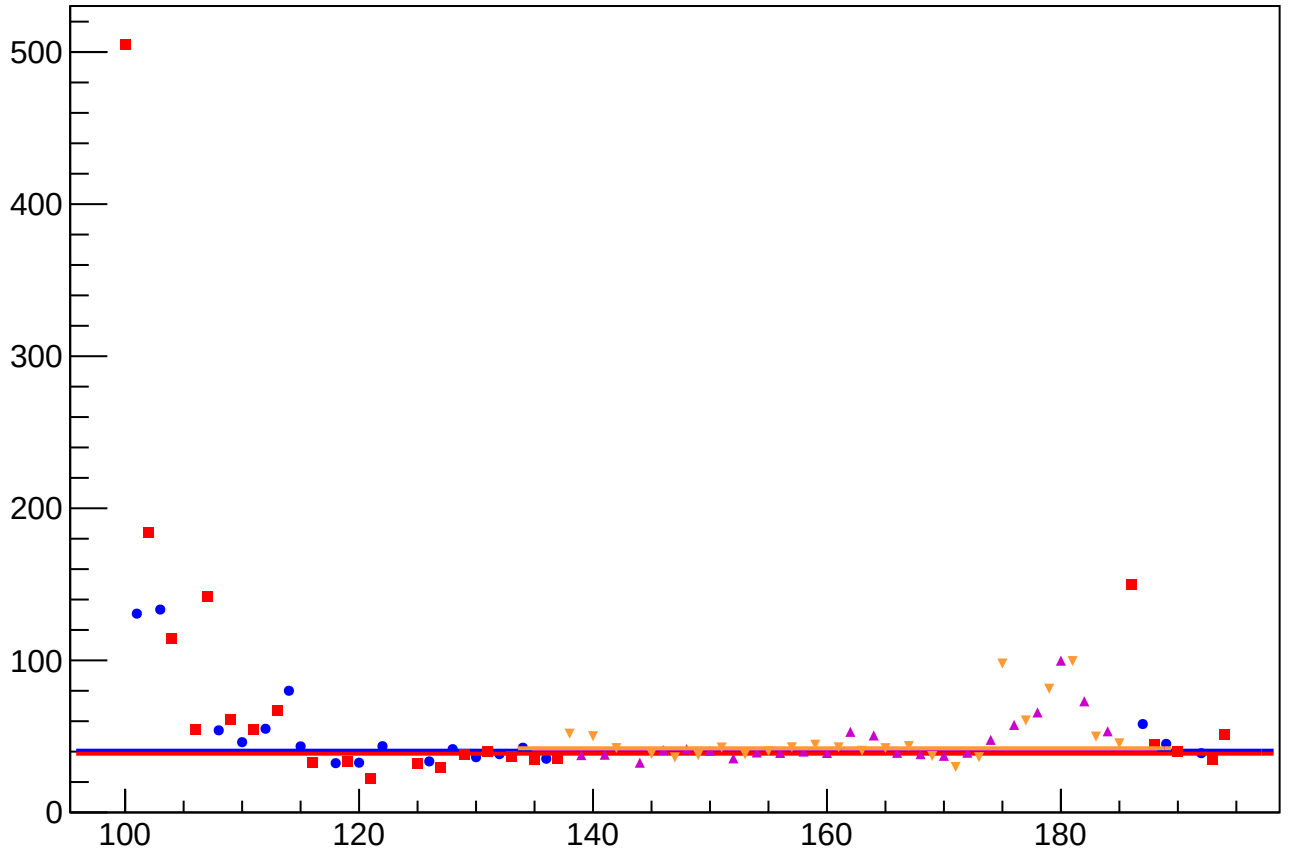
Right Out: -0.003+/-0.014 χ^2/NDF: 16.9/22

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.001+/-0.009 χ^2/NDF: 45.3/42

All: -0.003+/-0.006 χ^2/NDF: 82.4/88

- sign -0.005+/-0.009 χ^2/NDF: 37.0/45



Right In: 40.616+/-0.011 χ^2/NDF: 1452716.7/18

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

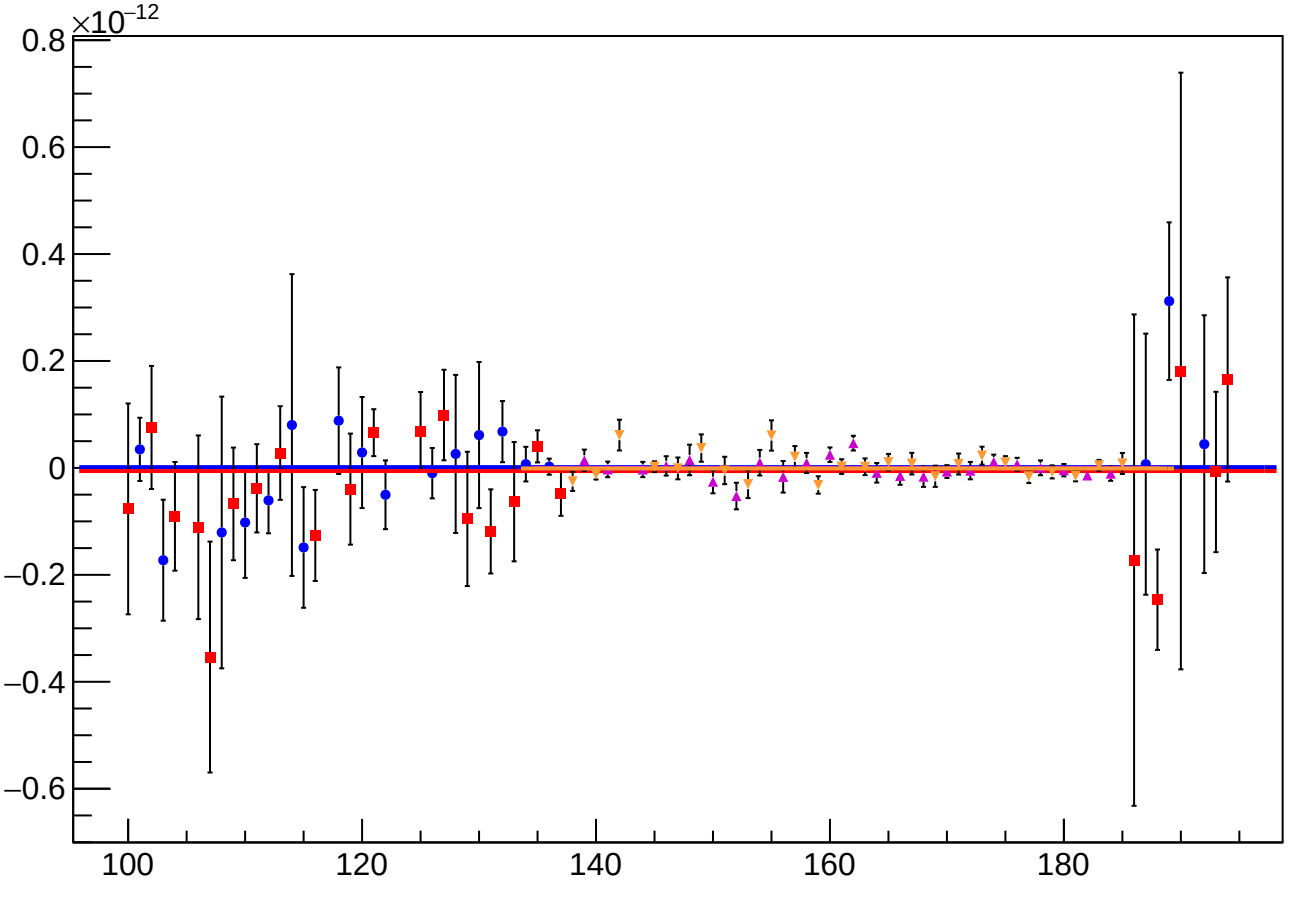
Right Out: 38.640+/-0.010 χ^2/NDF: 2442035.8/22

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.672+/-0.006 χ^2/NDF: 3286387.1/42

All: 41.008+/-0.004 χ^2/NDF: 7211271.9/88

- sign 40.397+/-0.006 χ^2/NDF: 3903482.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

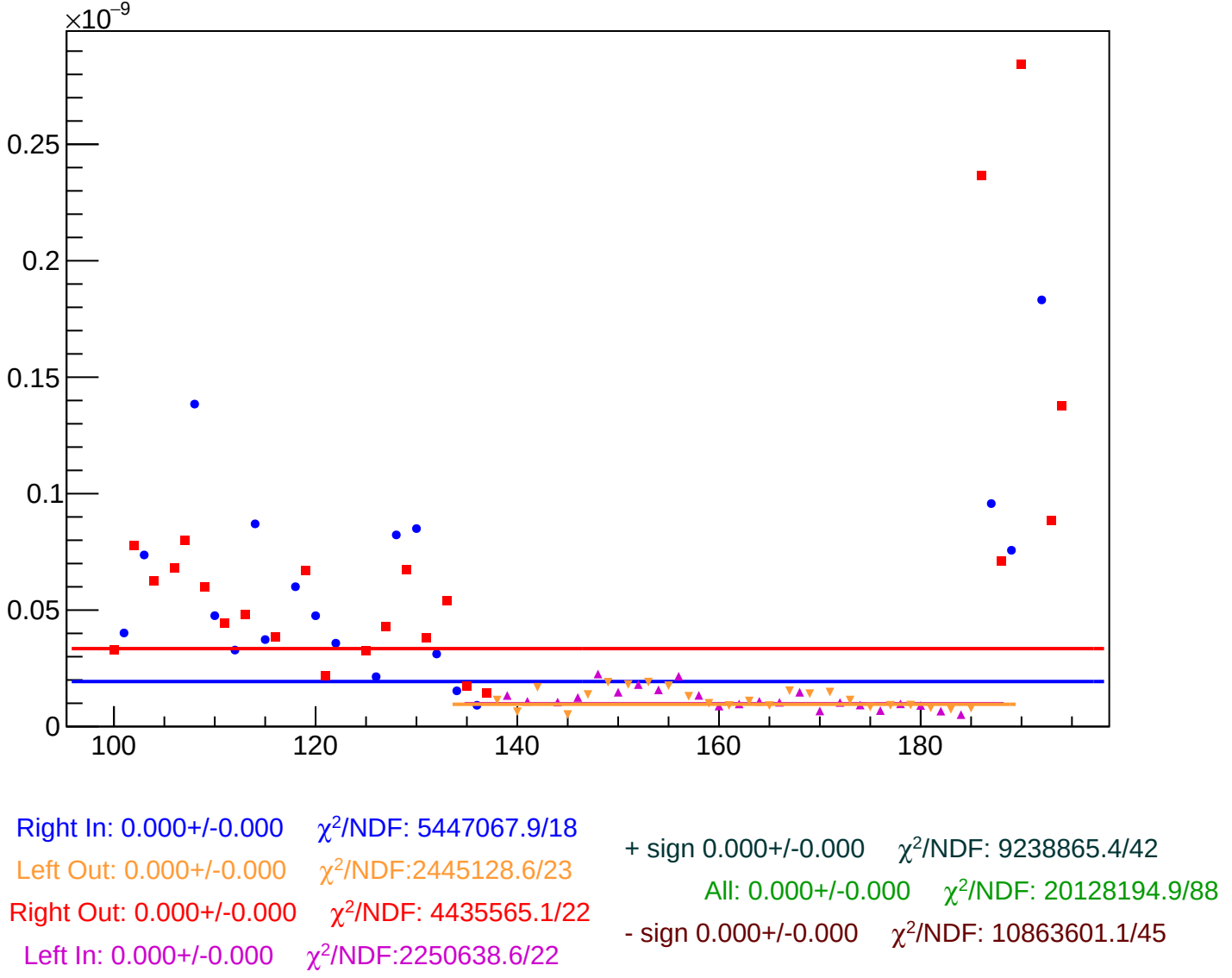
Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/22

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

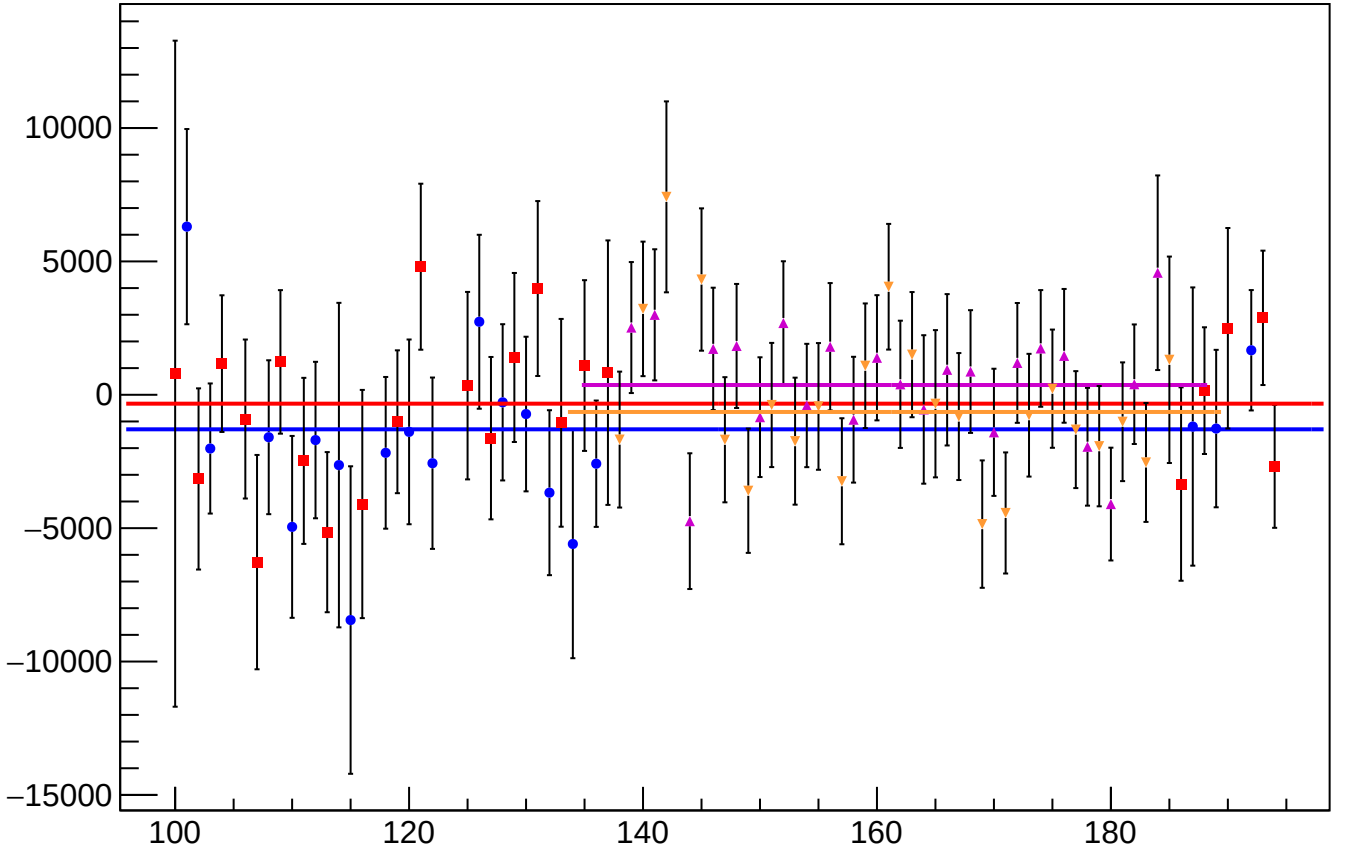
+ sign -0.000+/-0.000 χ^2/NDF: 43.9/42

All: -0.000+/-0.000 χ^2/NDF: 98.5/88

- sign -0.000+/-0.000 χ^2/NDF: 54.6/45


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 5447067.9/18
Left Out: 0.000+/-0.000 χ²/NDF:2445128.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 4435565.1/22
Left In: 0.000+/-0.000 χ²/NDF:2250638.6/22
+ sign 0.000+/-0.000 χ²/NDF: 9238865.4/42
All: 0.000+/-0.000 χ²/NDF: 20128194.9/88
- sign 0.000+/-0.000 χ²/NDF: 10863601.1/45

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: -333.031+/-655.720 χ^2/NDF: 16.7/22

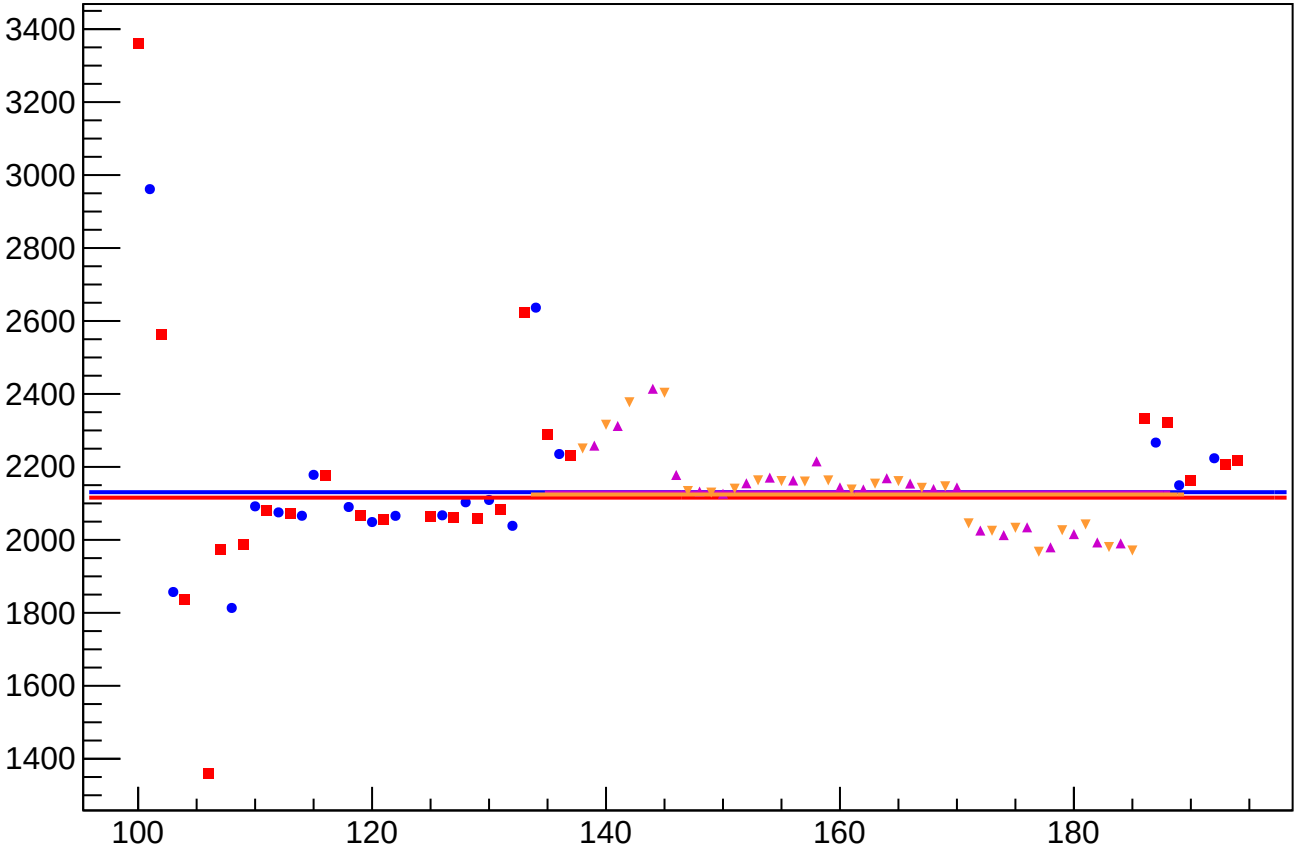
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -852.823+/-406.739 χ^2/NDF: 40.4/42

All: -358.754+/-283.932 χ^2/NDF: 78.0/88

- sign 110.842+/-396.537 χ^2/NDF: 34.7/45

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

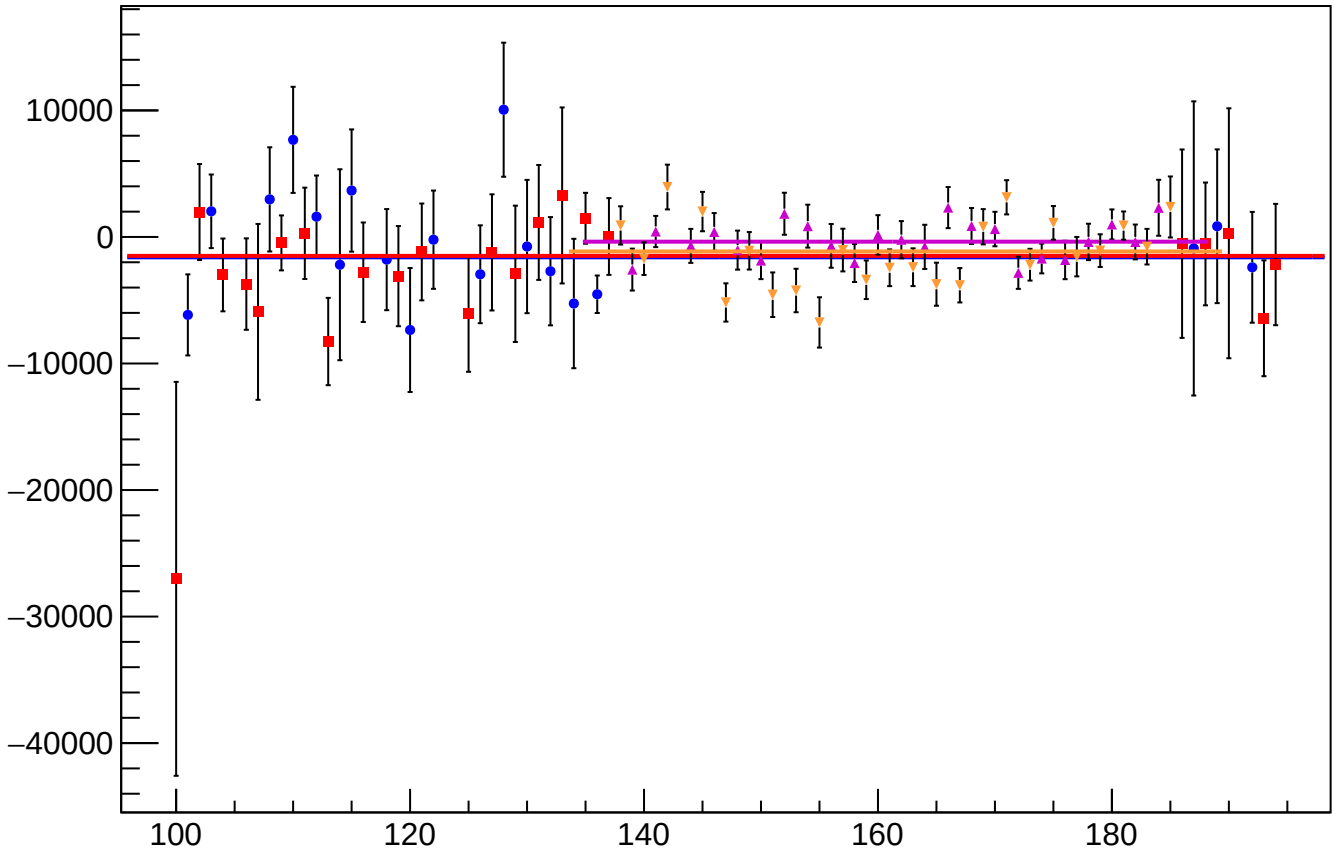
Right Out: 2115.796+/-0.464 χ^2/NDF: 287972.5/22

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2126.457+/-0.288 χ^2/NDF: 284863.5/42

All: 2125.577+/-0.201 χ^2/NDF: 658795.4/88

- sign 2124.740+/-0.280 χ^2/NDF: 373913.6/45



Right In: -1607.838+/-835.894 χ^2/NDF: 23.1/18

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

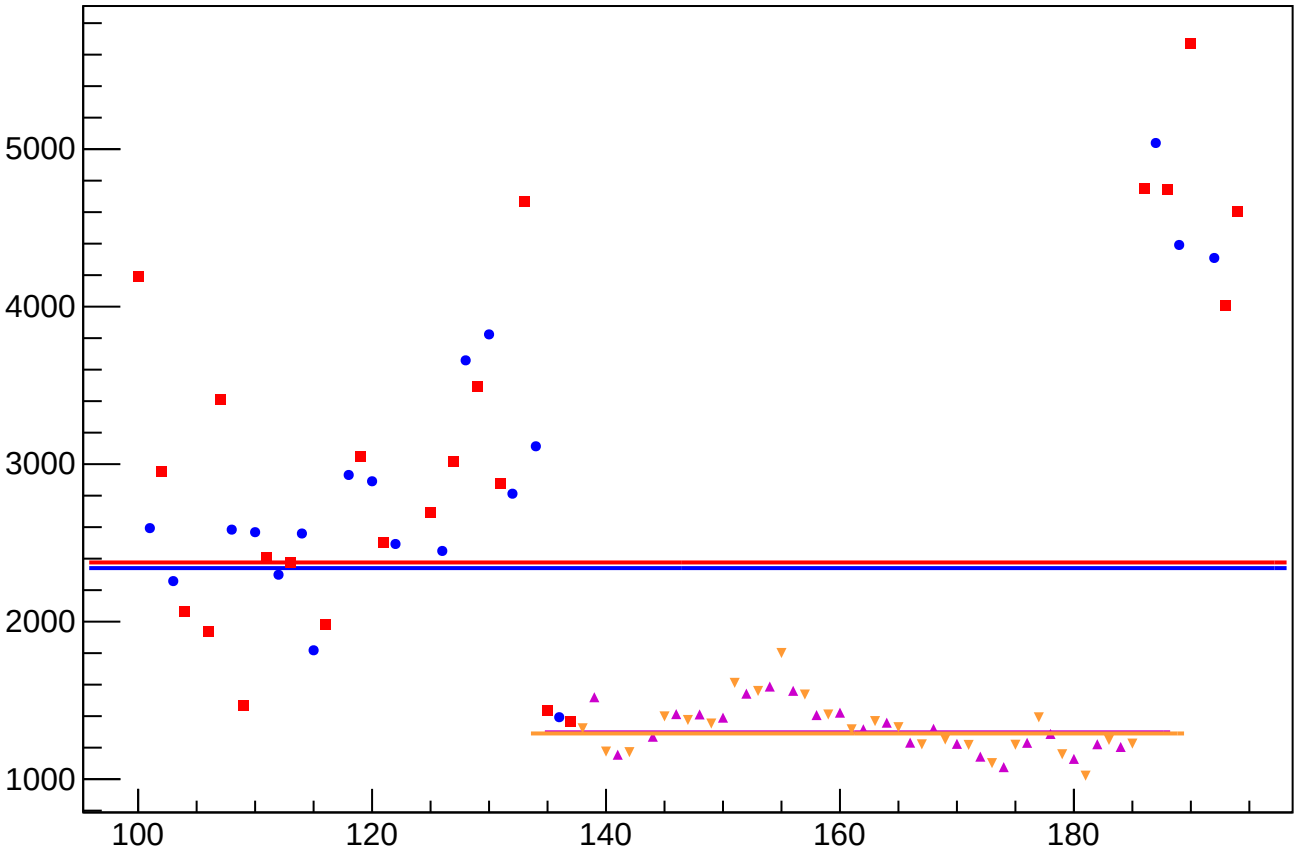
Right Out: -1495.527+/-796.105 χ^2/NDF: 14.8/22

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1198.430+/-284.437 χ^2/NDF: 90.8/42

All: -858.657+/-201.369 χ^2/NDF: 130.5/88

- sign -517.247+/-285.121 χ^2/NDF: 36.8/45



Right In: 2339.888+/-0.591 χ^2/NDF: 2037261.0/18

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

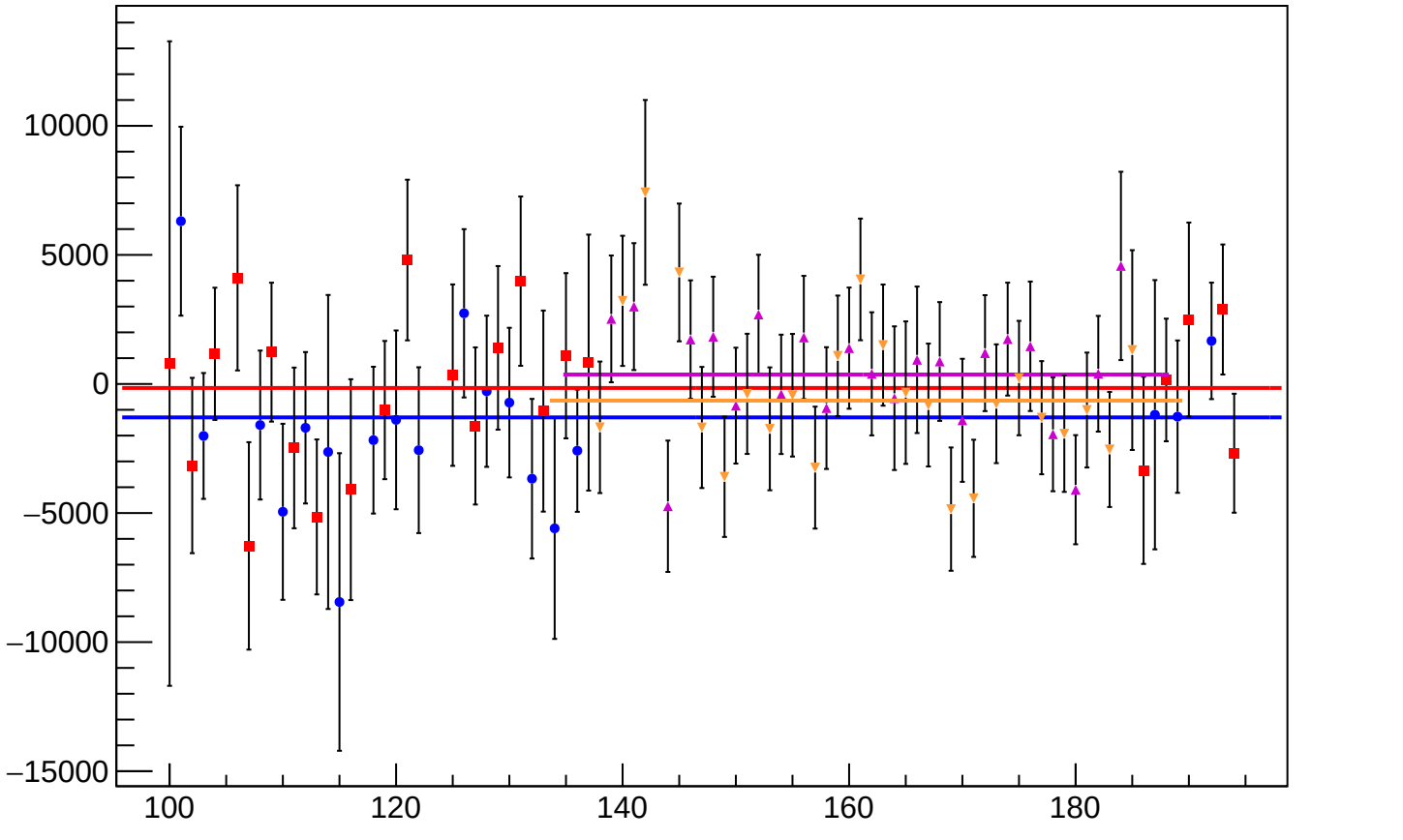
Right Out: 2375.808+/-0.563 χ^2/NDF: 3221310.5/22

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1411.592+/-0.201 χ^2/NDF: 5394832.7/42

All: 1423.653+/-0.142 χ^2/NDF: 12256199.8/8

- sign 1435.772+/-0.202 χ^2/NDF: 6854157.7/45



Right In: -1294.458+/-717.669 χ^2/NDF: 12.7/18

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -154.265+/-660.696 χ^2/NDF: 18.1/22

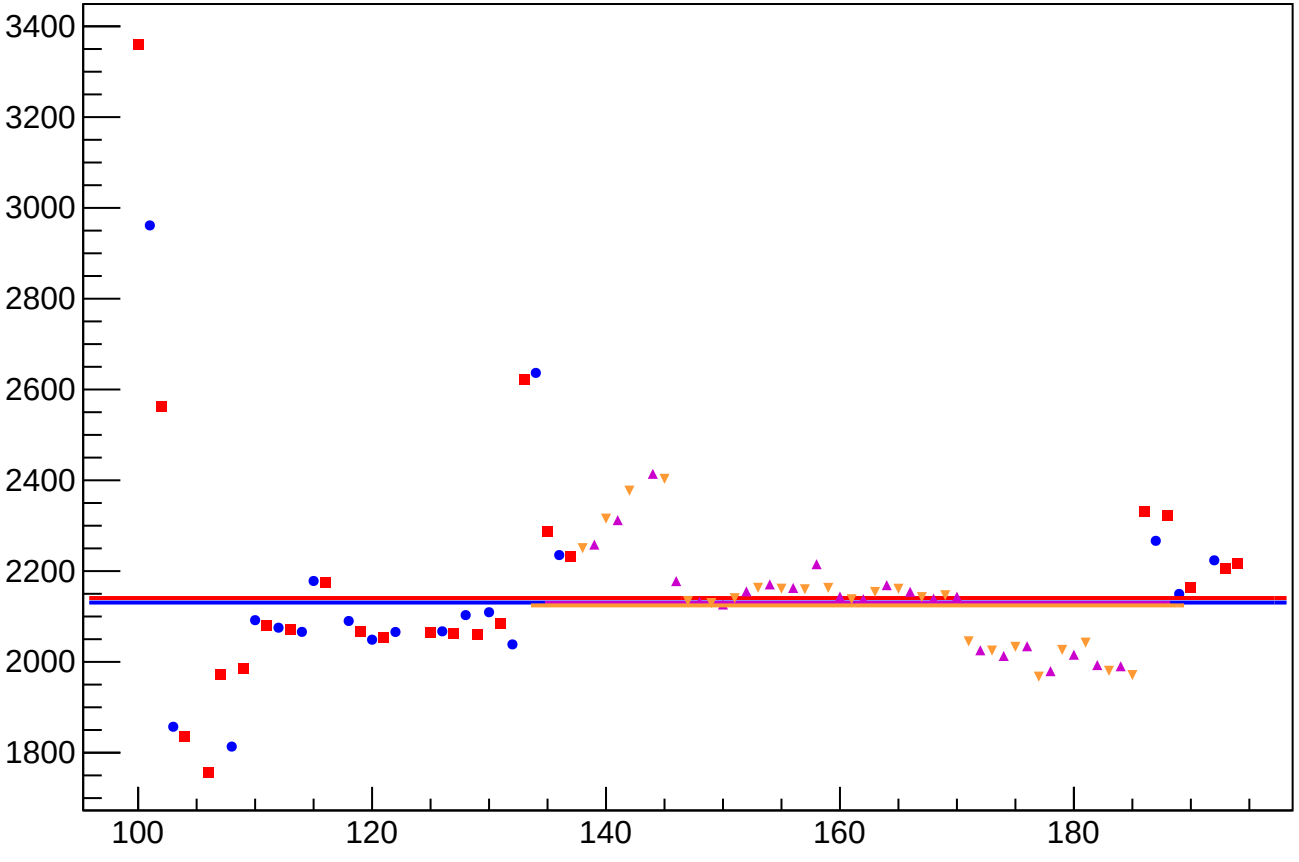
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -852.709+/-406.739 χ^2/NDF: 40.4/42

All: -325.699+/-284.333 χ^2/NDF: 79.6/88

- sign 177.971+/-397.630 χ^2/NDF: 35.8/45

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

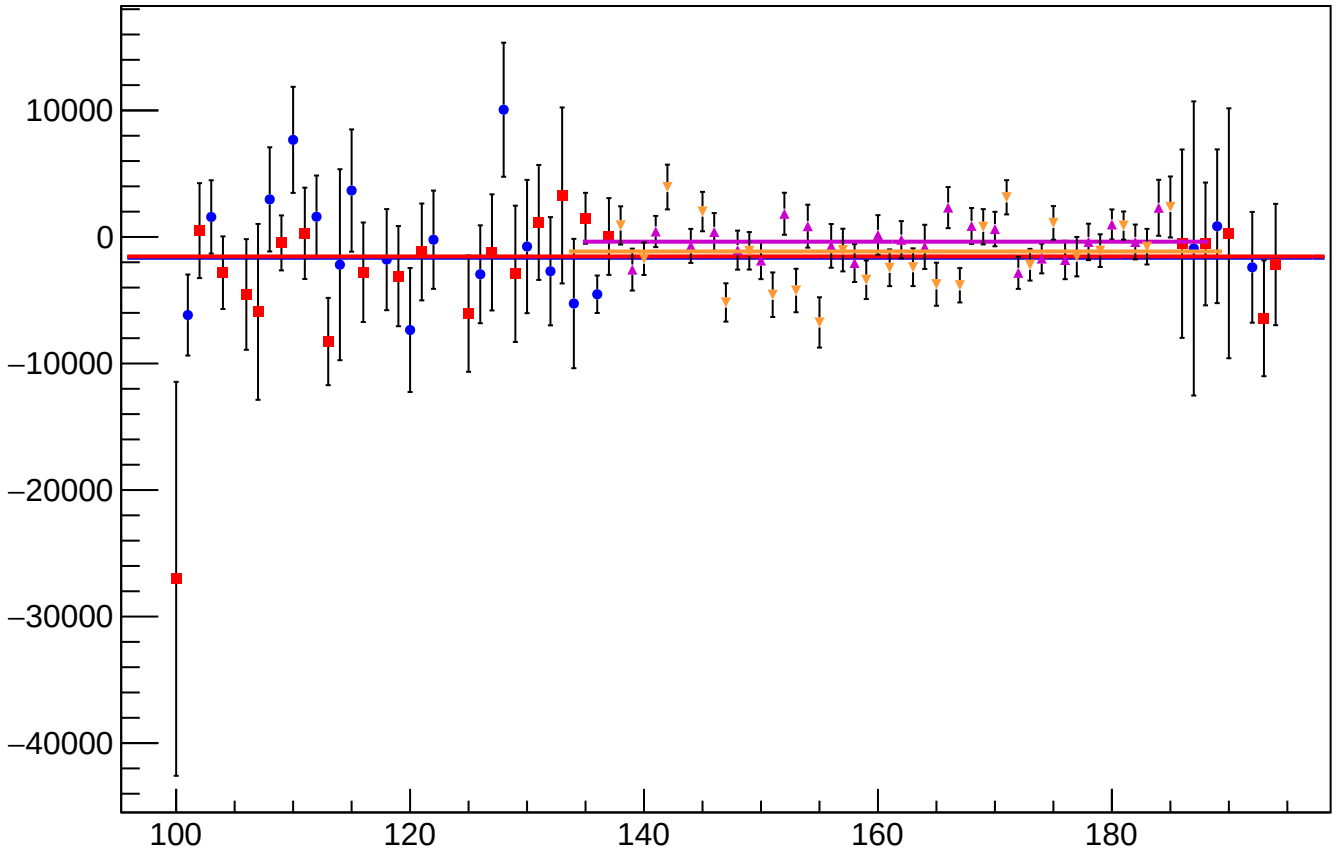
Right Out: 2140.704+/-0.467 χ^2/NDF: 176885.8/22

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

\+ sign 2126.457+/-0.288 χ^2/NDF: 284863.8/42

All: 2130.217+/-0.201 χ^2/NDF: 547779.6/88

\- sign 2133.811+/-0.281 χ^2/NDF: 262581.5/45



Right In: -1643.548+/-835.628 χ^2/NDF: 22.7/18

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

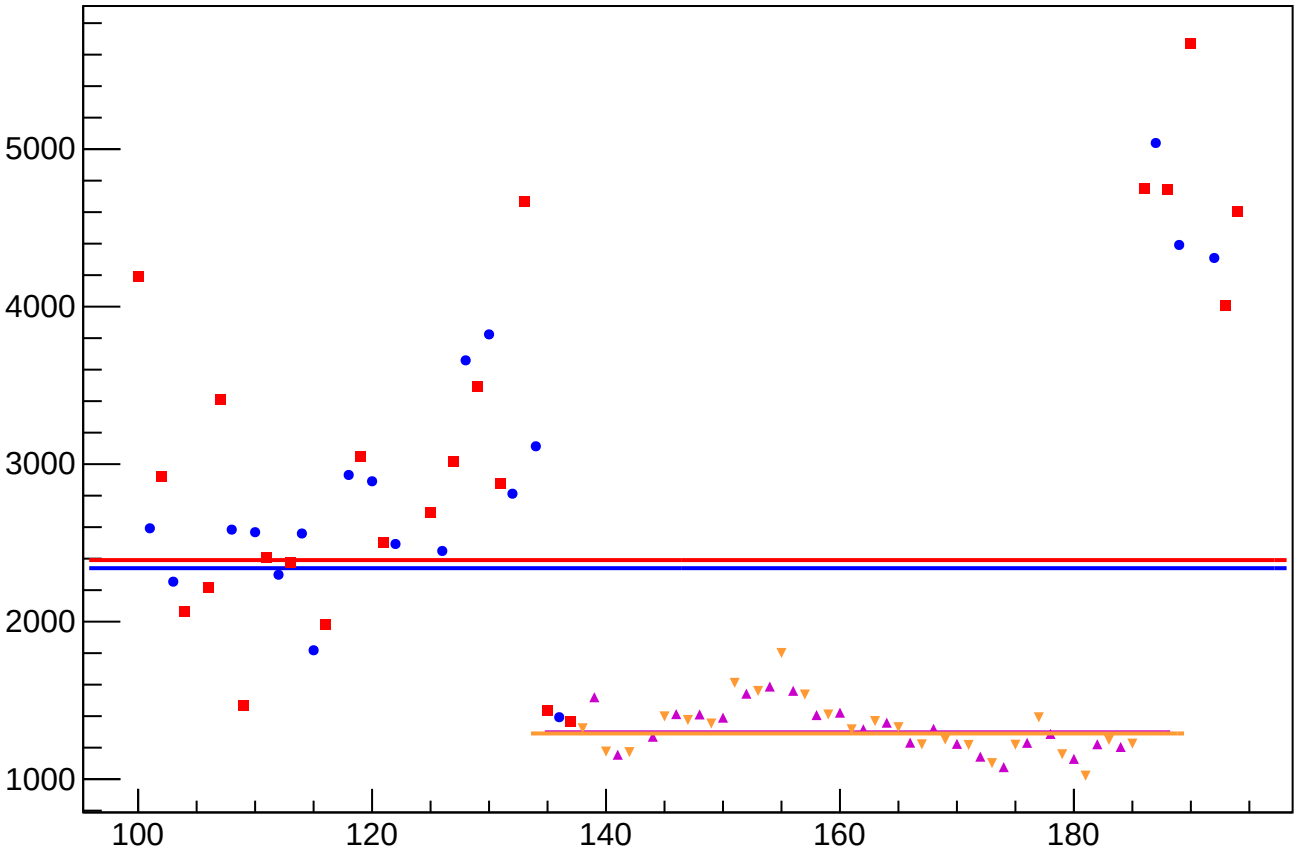
Right Out: -1538.757+/-801.752 χ^2/NDF: 14.2/22

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1202.565+/-284.428 χ^2/NDF: 90.5/42

All: -862.849+/-201.456 χ^2/NDF: 129.8/88

- sign -520.859+/-285.379 χ^2/NDF: 36.4/45



Right In: 2339.488+/-0.591 χ^2/NDF: 2037289.9/18

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

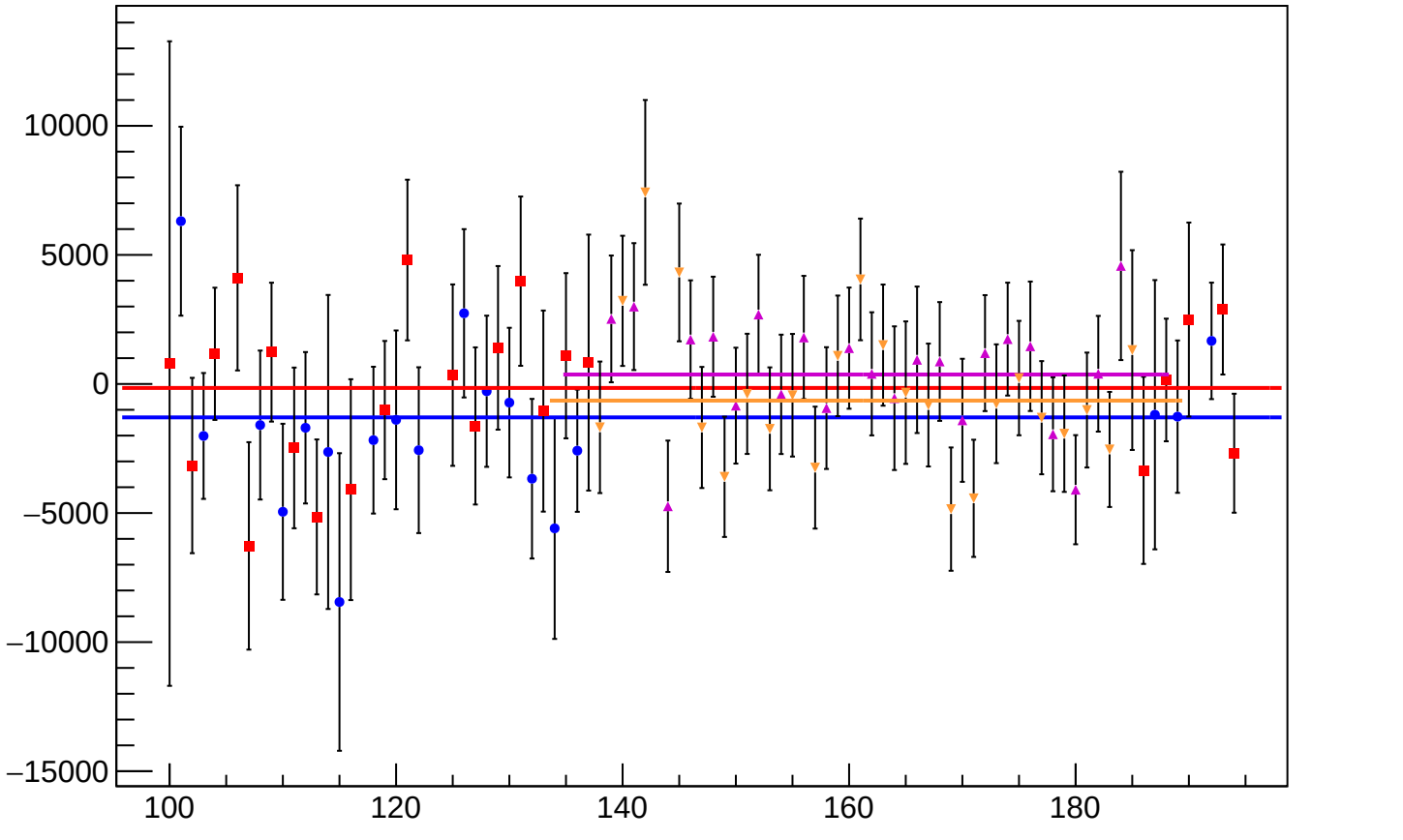
Right Out: 2390.845+/-0.567 χ^2/NDF: 3190861.1/22

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1411.626+/-0.201 χ^2/NDF: 5394169.8/42

All: 1423.765+/-0.142 χ^2/NDF: 12274706.1/8

- sign 1435.985+/-0.202 χ^2/NDF: 6873225.8/45



Right In: -1294.458+/-717.669 χ^2/NDF: 12.7/18

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -154.265+/-660.696 χ^2/NDF: 18.1/22

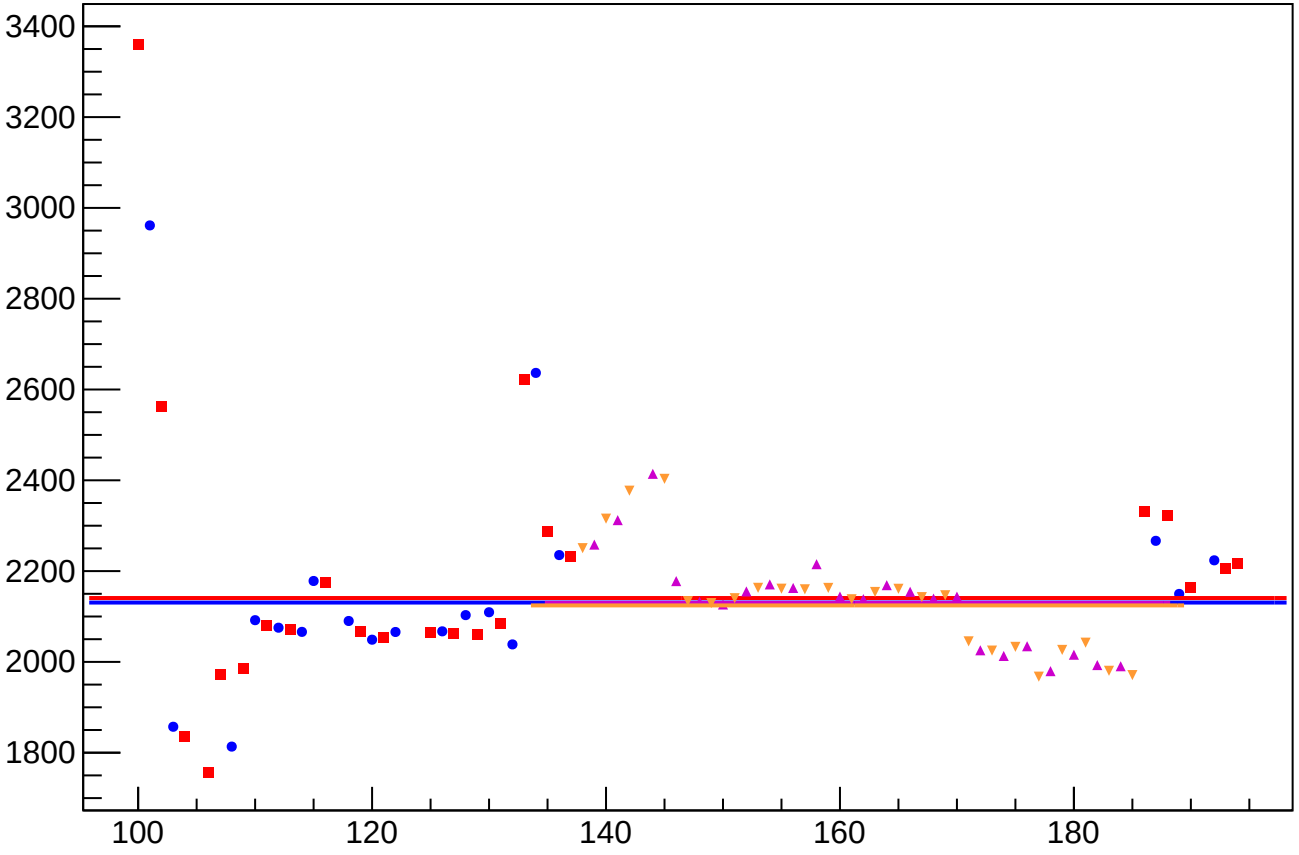
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -852.709+/-406.739 χ^2/NDF: 40.4/42

All: -325.699+/-284.333 χ^2/NDF: 79.6/88

- sign 177.971+/-397.630 χ^2/NDF: 35.8/45

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

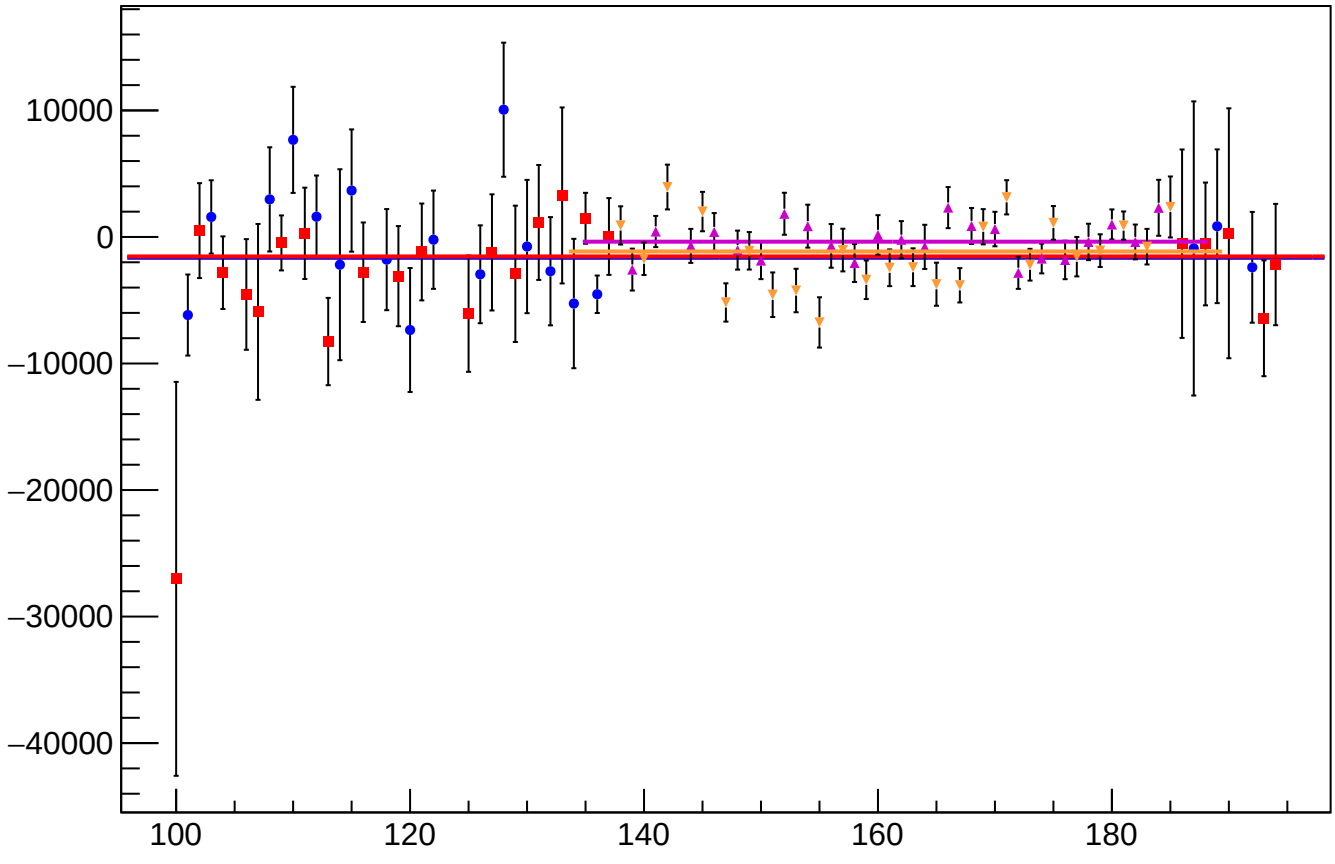
Right Out: 2140.704+/-0.467 χ^2/NDF: 176885.8/22

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2126.457+/-0.288 χ^2/NDF: 284863.8/42

All: 2130.217+/-0.201 χ^2/NDF: 547779.6/88

- sign 2133.811+/-0.281 χ^2/NDF: 262581.5/45



Right In: -1643.548+/-835.628 χ^2/NDF: 22.7/18

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

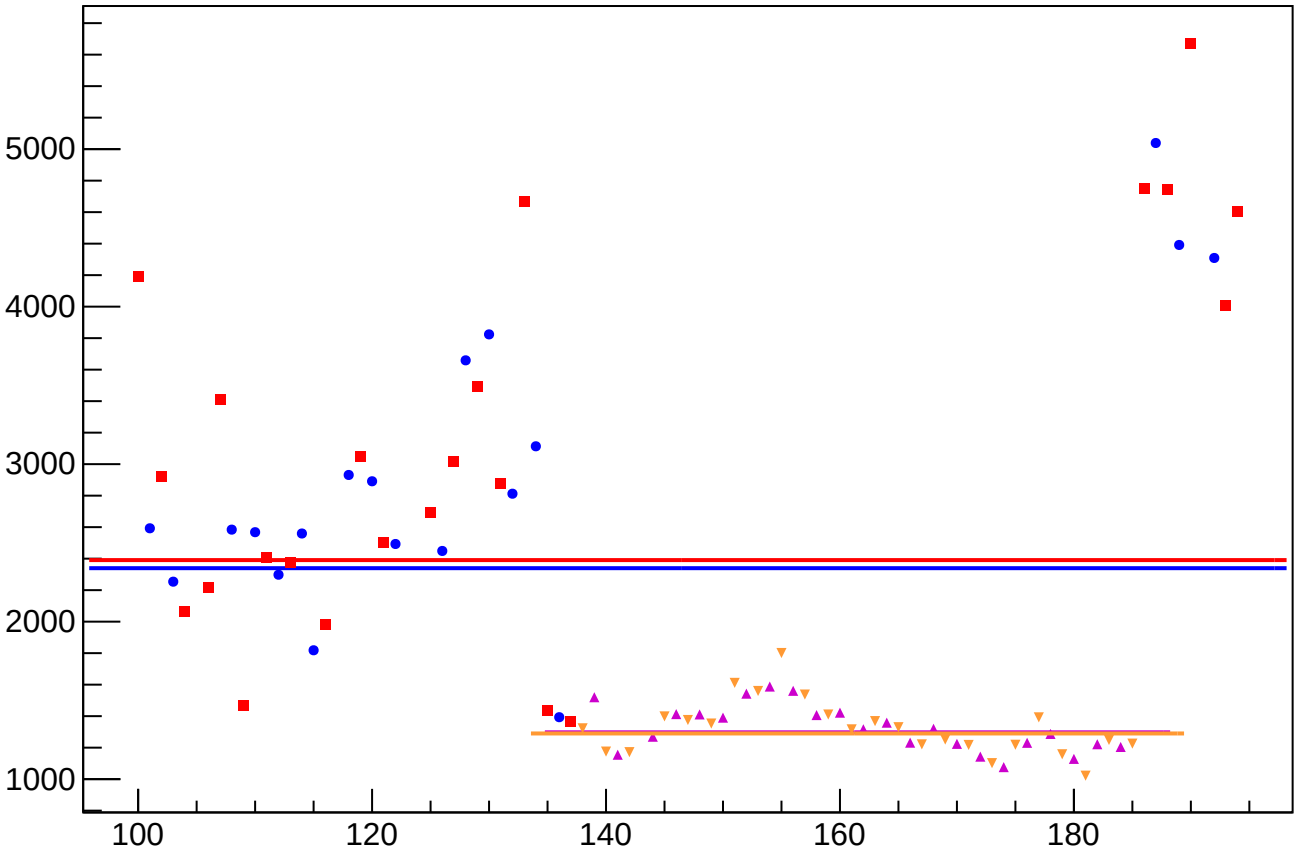
Right Out: -1538.757+/-801.752 χ^2/NDF: 14.2/22

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1202.565+/-284.428 χ^2/NDF: 90.5/42

All: -862.849+/-201.456 χ^2/NDF: 129.8/88

- sign -520.859+/-285.379 χ^2/NDF: 36.4/45



Right In: 2339.488+/-0.591 χ^2/NDF: 2037289.9/18

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

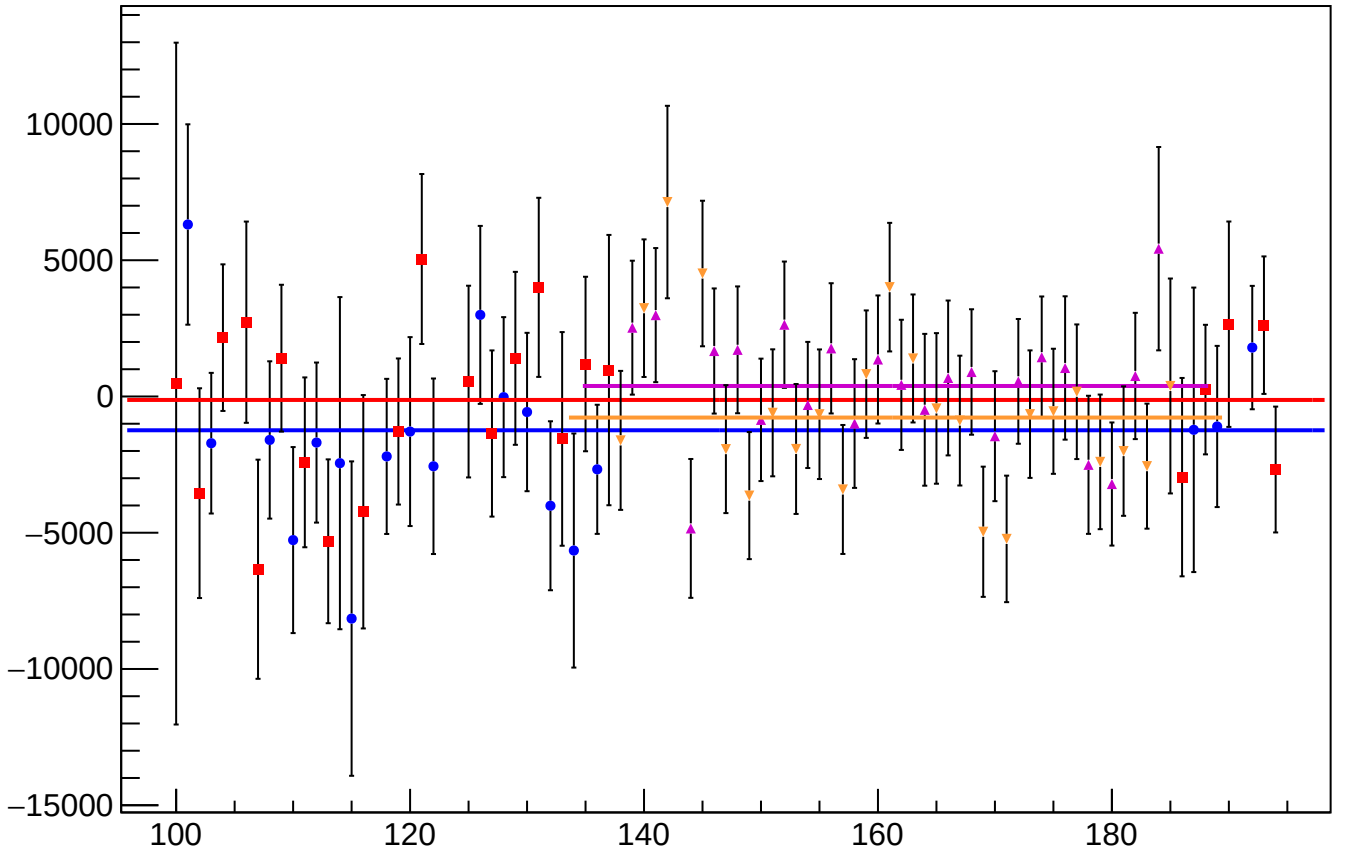
Right Out: 2390.845+/-0.567 χ^2/NDF: 3190861.1/22

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1411.626+/-0.201 χ^2/NDF: 5394169.8/42

All: 1423.765+/-0.142 χ^2/NDF: 12274706.1/8

- sign 1435.985+/-0.202 χ^2/NDF: 6873225.8/45



Right In: -1240.118+/-722.340 χ^2/NDF: 13.4/18

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -127.213+/-667.243 χ^2/NDF: 18.1/22

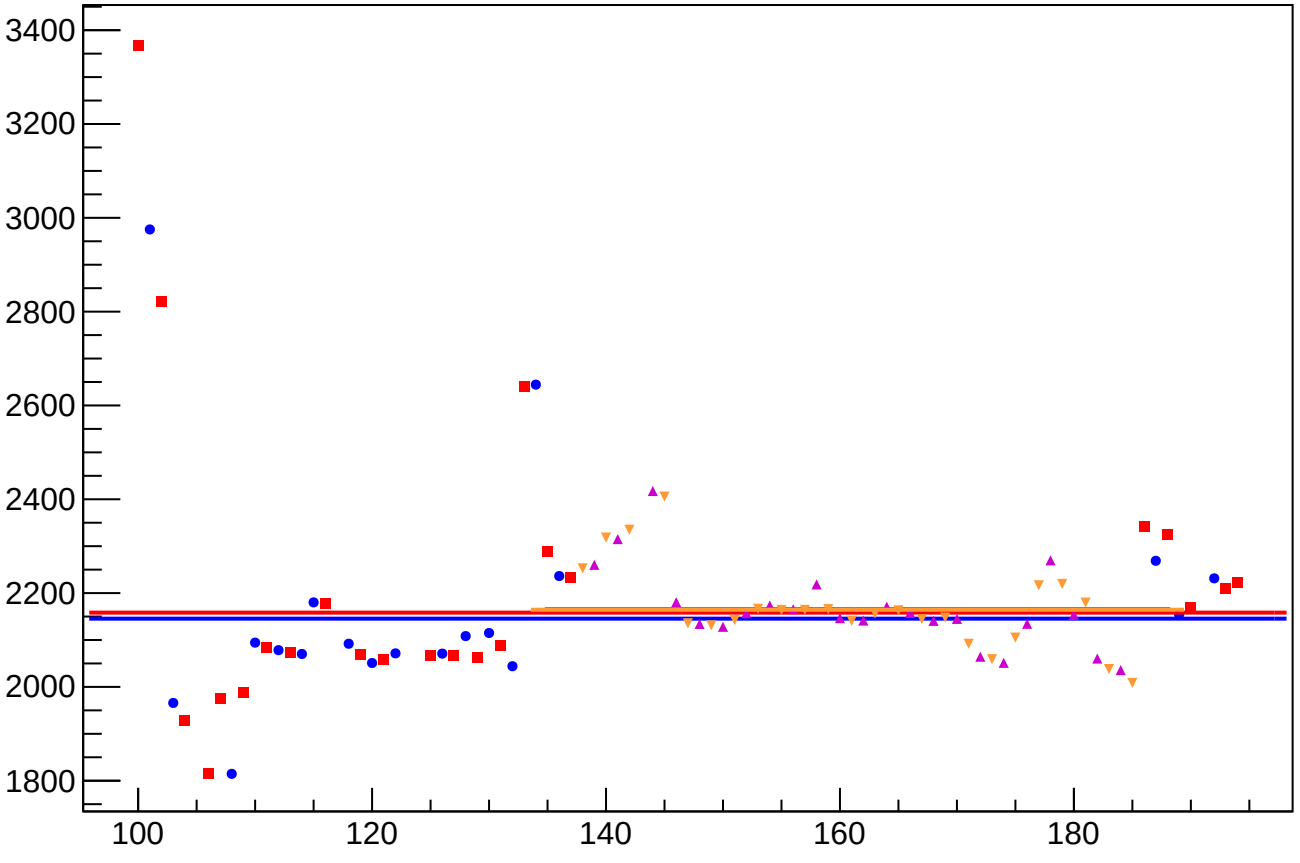
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -925.854+/-412.679 χ^2/NDF: 42.2/42

All: -350.813+/-288.401 χ^2/NDF: 80.2/88

- sign 198.130+/-403.206 χ^2/NDF: 34.2/45

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

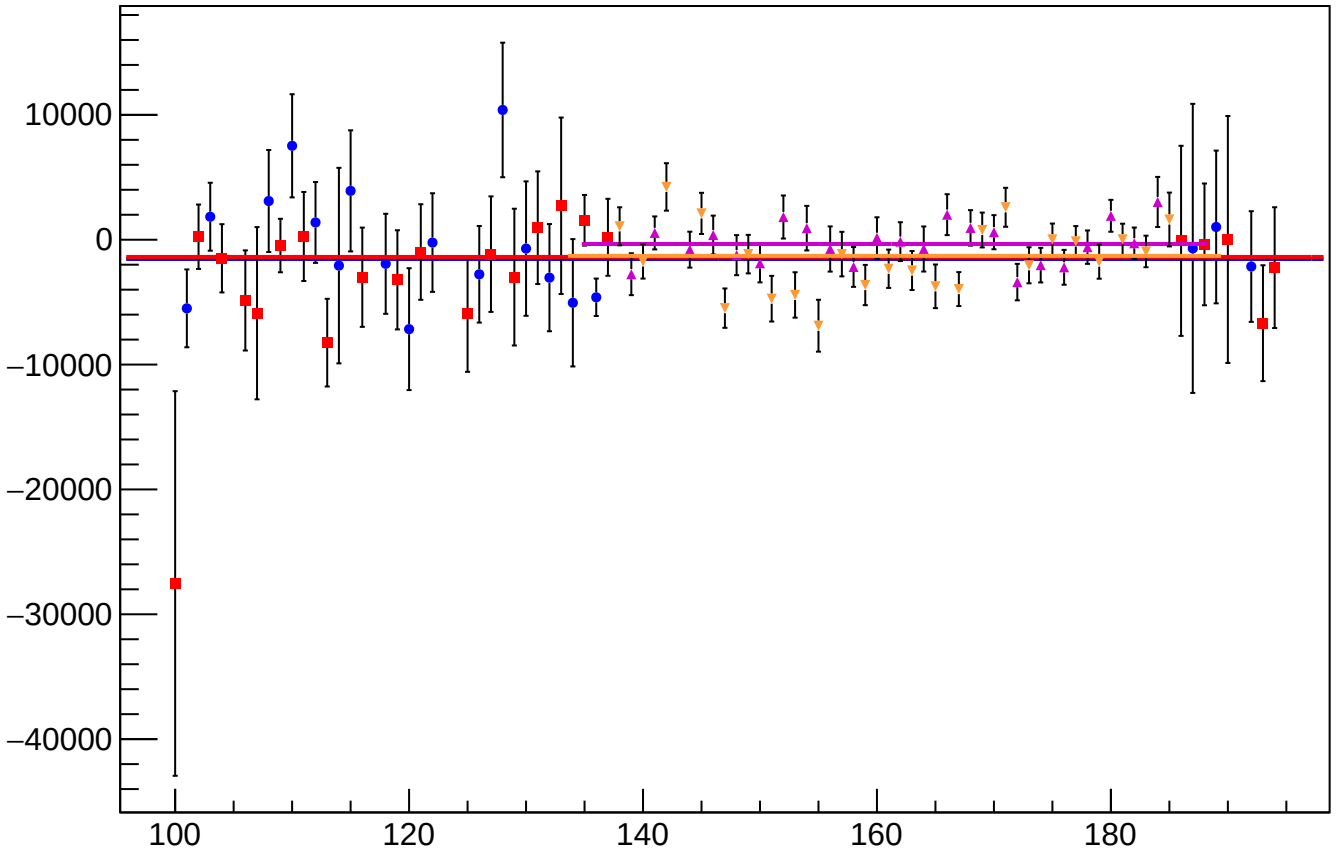
Right Out: 2158.371+/-0.472 χ^2/NDF: 186013.7/22

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2158.322+/-0.292 χ^2/NDF: 232204.0/42

All: 2160.709+/-0.204 χ^2/NDF: 470623.8/88

- sign 2162.988+/-0.285 χ^2/NDF: 238289.0/45



Right In: -1538.745+/-833.922 χ^2/NDF: 22.8/18

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

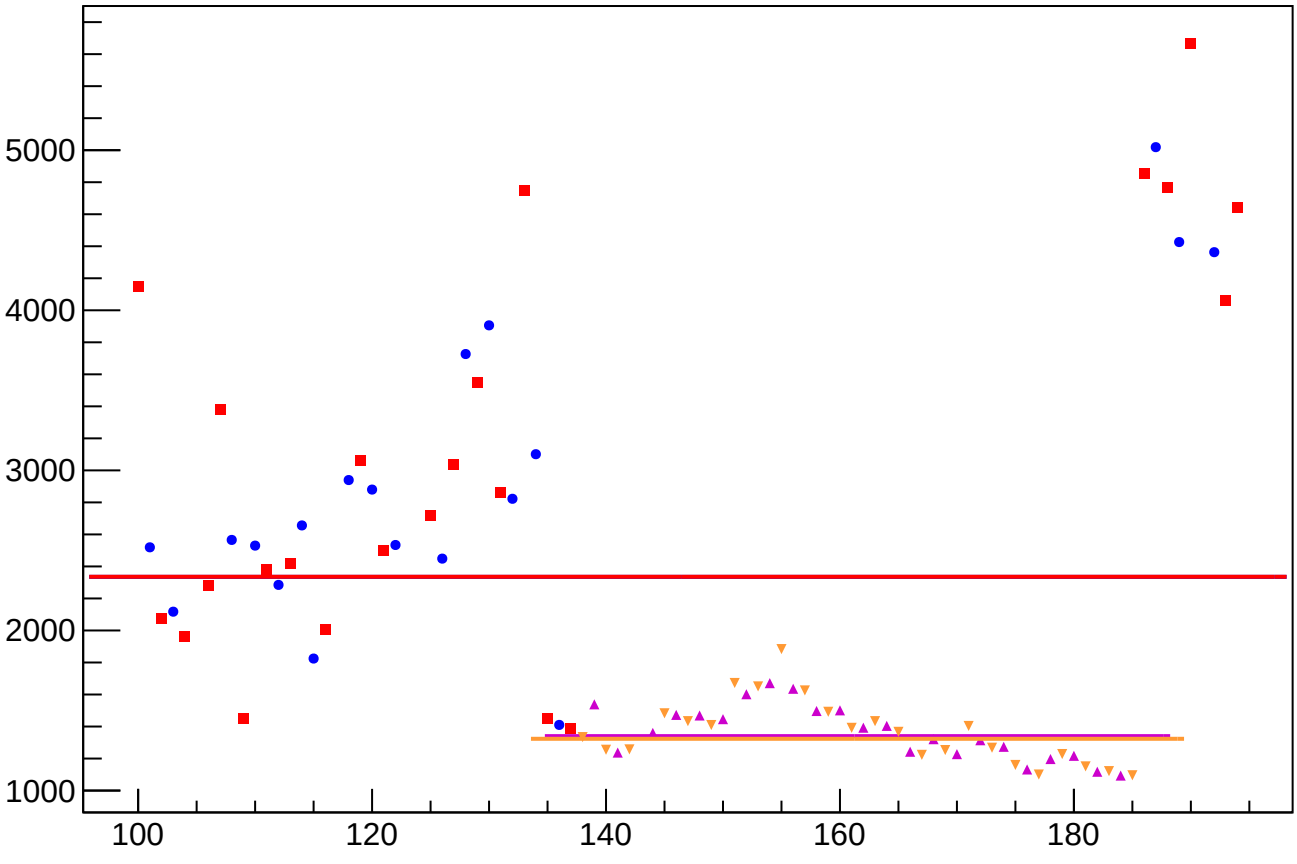
Right Out: -1378.257+/-779.272 χ^2/NDF: 14.5/22

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1323.570+/-291.084 χ^2/NDF: 81.6/42

All: -907.481+/-206.324 χ^2/NDF: 126.5/88

- sign -487.353+/-292.494 χ^2/NDF: 40.8/45



Right In: 2334.844+/-0.590 χ^2/NDF: 2030713.6/18

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

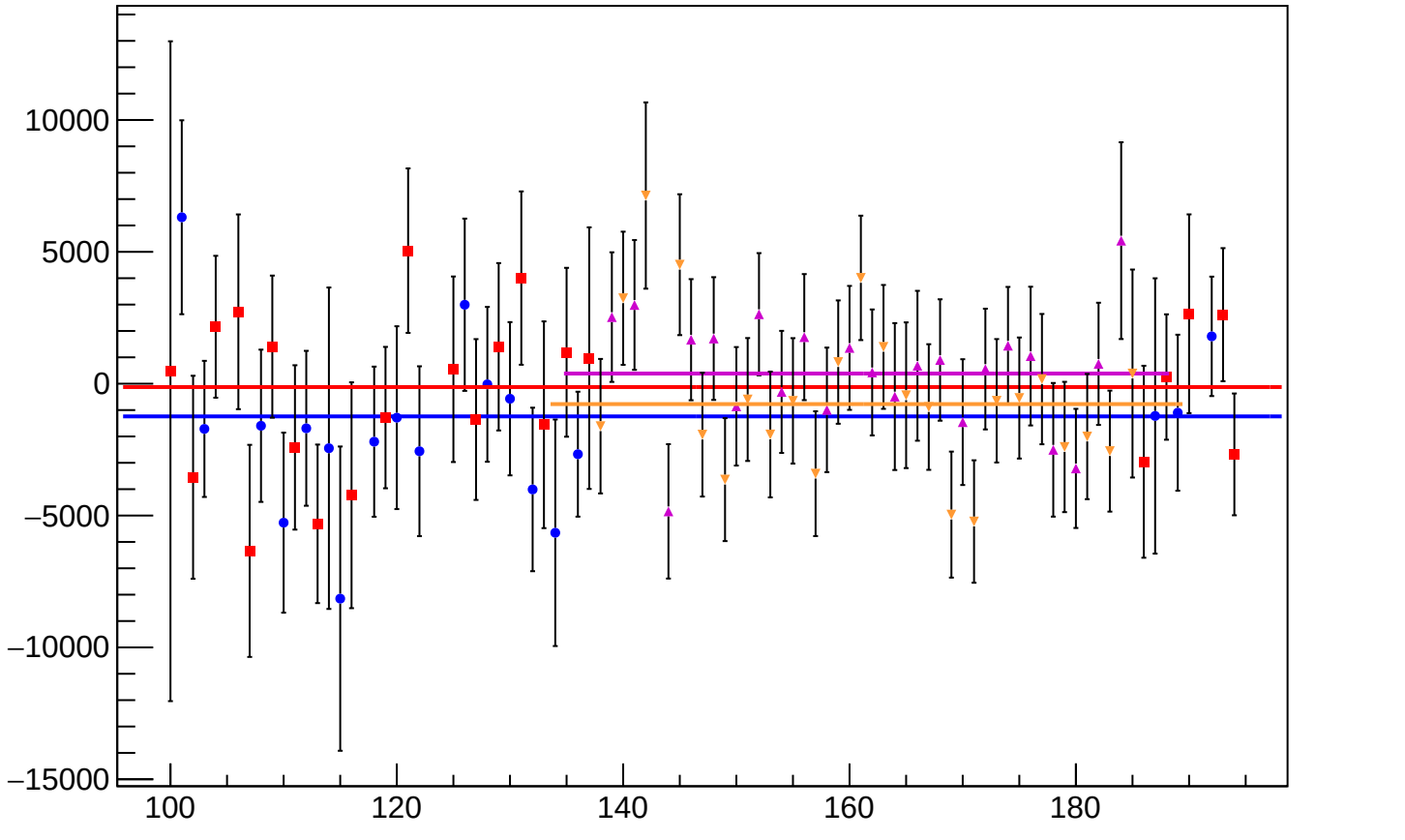
Right Out: 2335.487+/-0.551 χ^2/NDF: 3222930.9/22

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1446.636+/-0.206 χ^2/NDF: 5278229.7/42

All: 1463.396+/-0.146 χ^2/NDF: 11812267.2/8

- sign 1480.319+/-0.207 χ^2/NDF: 6520712.0/45



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: -127.209+/-667.243 χ^2/NDF: 18.1/22

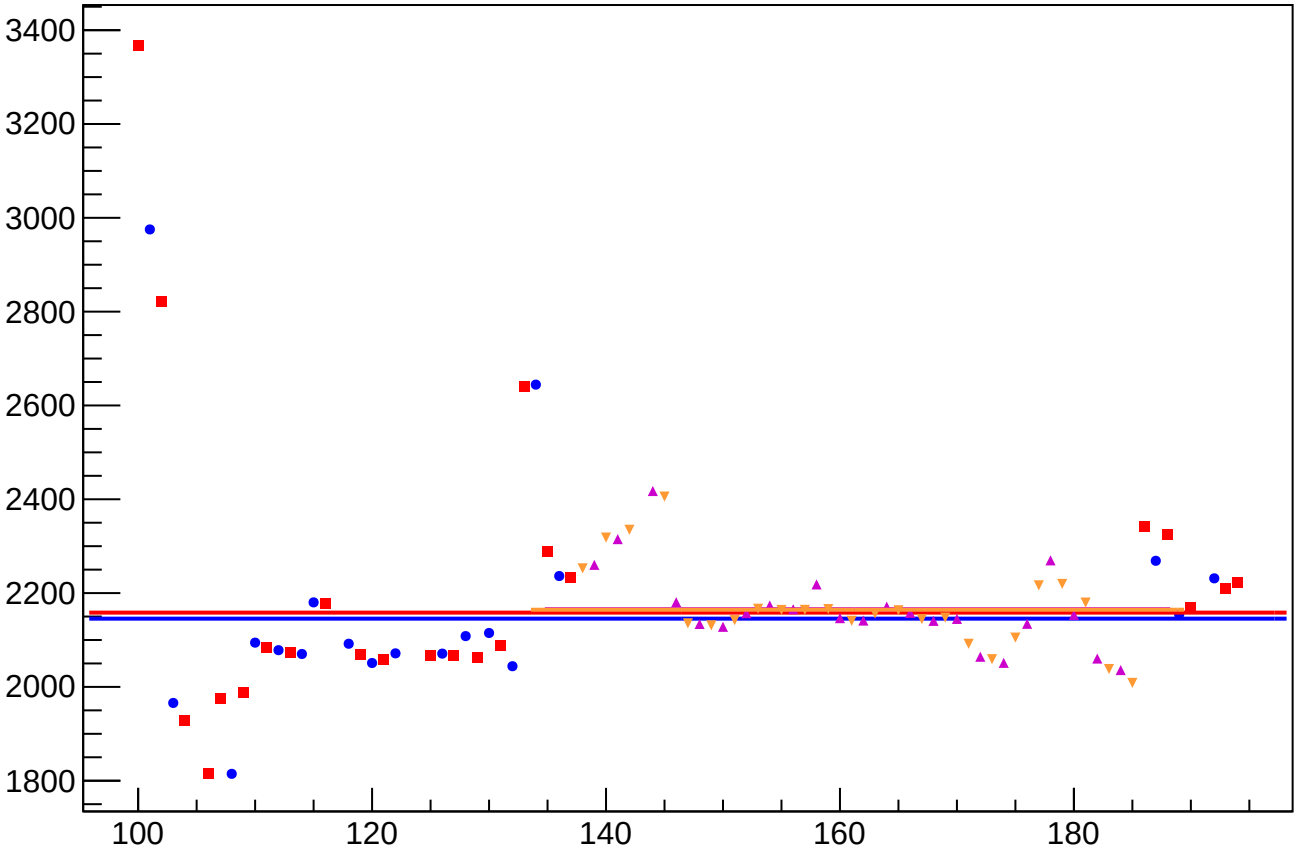
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

\+ sign -925.853+/-412.679 χ^2/NDF: 42.2/42

All: -350.812+/-288.401 χ^2/NDF: 80.2/88

\- sign 198.131+/-403.206 χ^2/NDF: 34.2/45

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

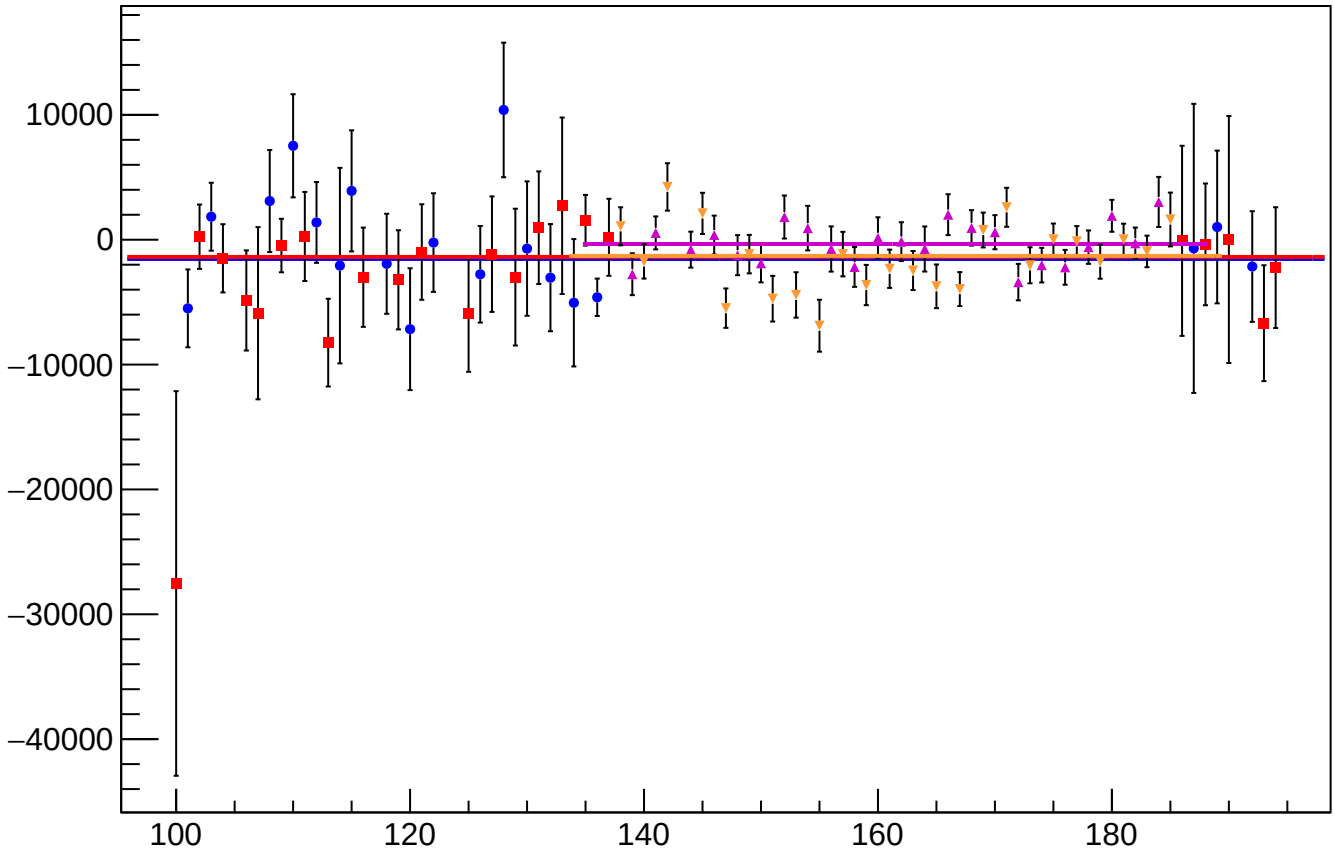
Right Out: 2158.371+/-0.472 χ^2/NDF: 186013.6/22

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2158.322+/-0.292 χ^2/NDF: 232204.0/42

All: 2160.709+/-0.204 χ^2/NDF: 470623.7/88

- sign 2162.987+/-0.285 χ^2/NDF: 238288.9/45



Right In: -1538.732+/-833.924 χ^2/NDF: 22.8/18

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

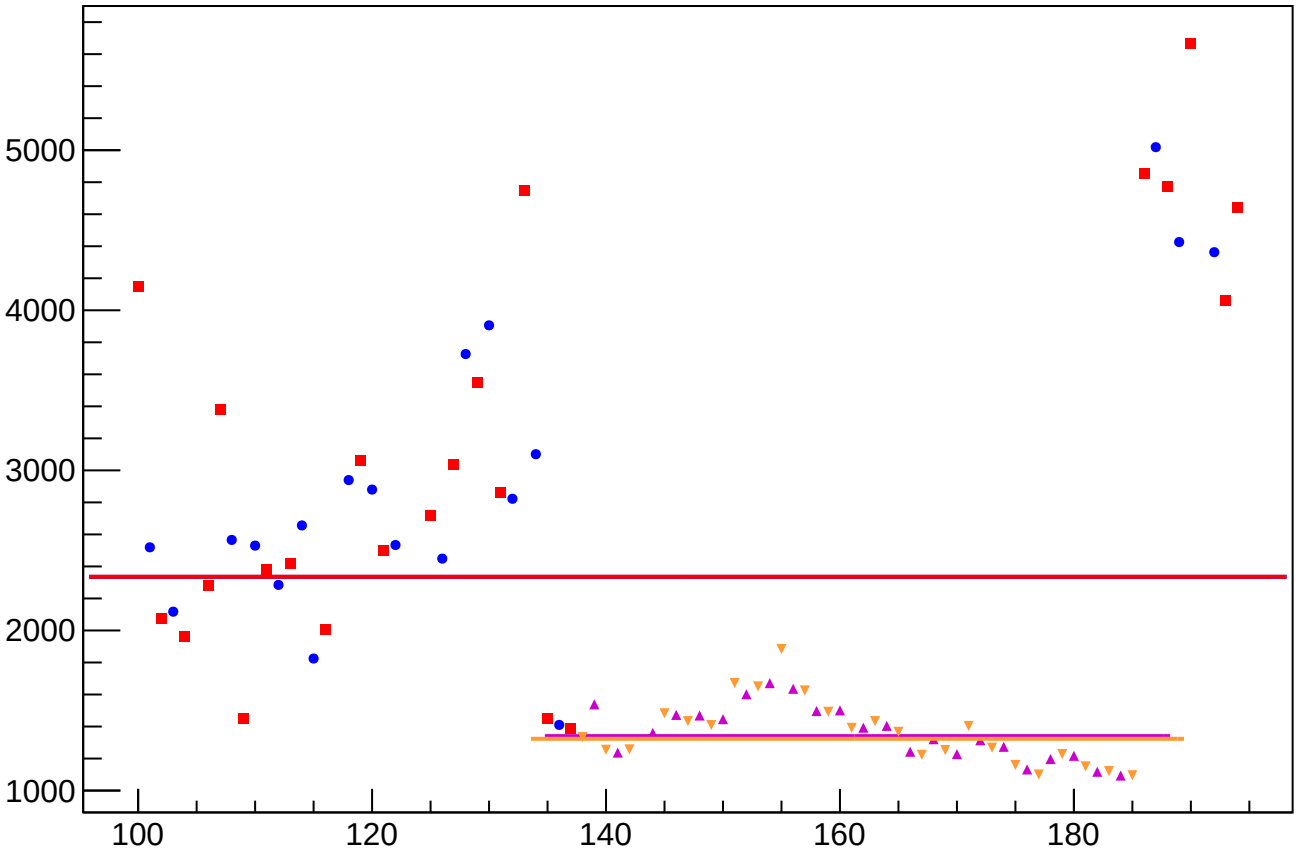
Right Out: -1378.273+/-779.274 χ^2/NDF: 14.5/22

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1323.569+/-291.085 χ^2/NDF: 81.6/42

All: -907.480+/-206.324 χ^2/NDF: 126.5/88

- sign -487.352+/-292.494 χ^2/NDF: 40.8/45



Right In: 2334.856+/-0.590 χ^2/NDF: 2030640.9/18

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2335.500+/-0.551 χ^2/NDF: 3222859.9/22

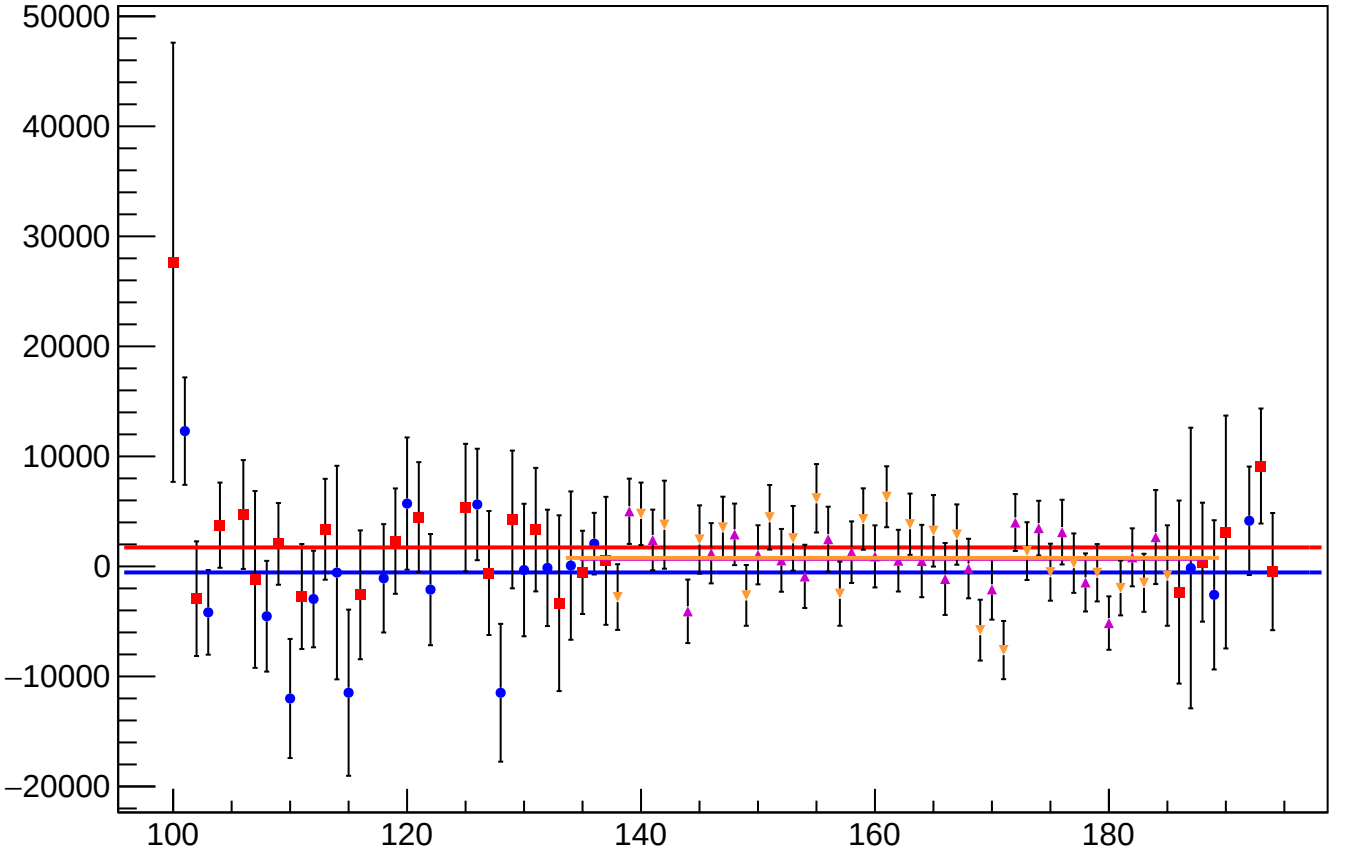
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1446.636+/-0.206 χ^2/NDF: 5278206.2/42

All: 1463.396+/-0.146 χ^2/NDF: 11812244.2/8

- sign 1480.318+/-0.207 χ^2/NDF: 6520713.5/45

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: 1725.167+/-1116.334 χ^2/NDF: 9.2/22

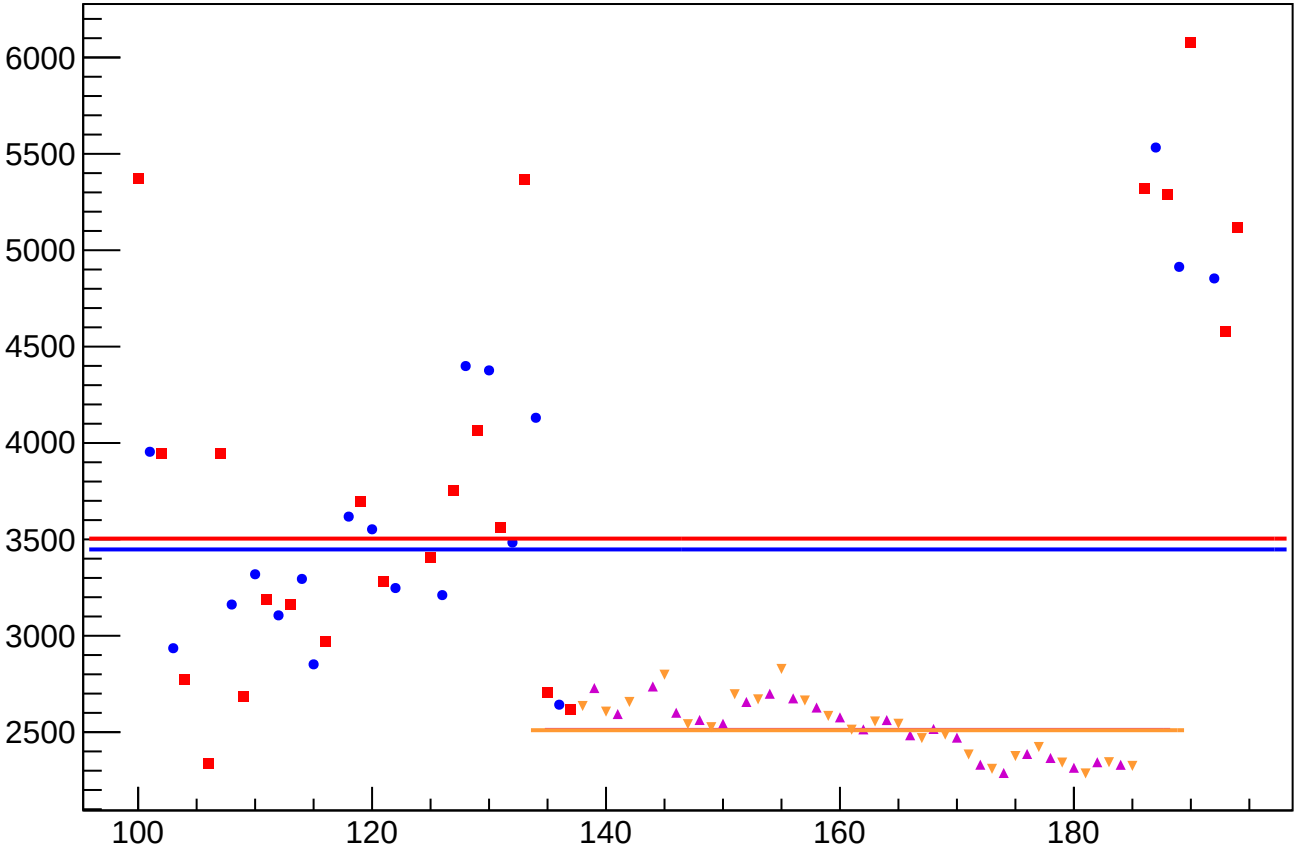
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

+ sign 514.903+/-523.224 χ^2/NDF: 63.3/42

All: 715.976+/-368.777 χ^2/NDF: 91.8/88

- sign 914.465+/-519.850 χ^2/NDF: 28.2/45

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

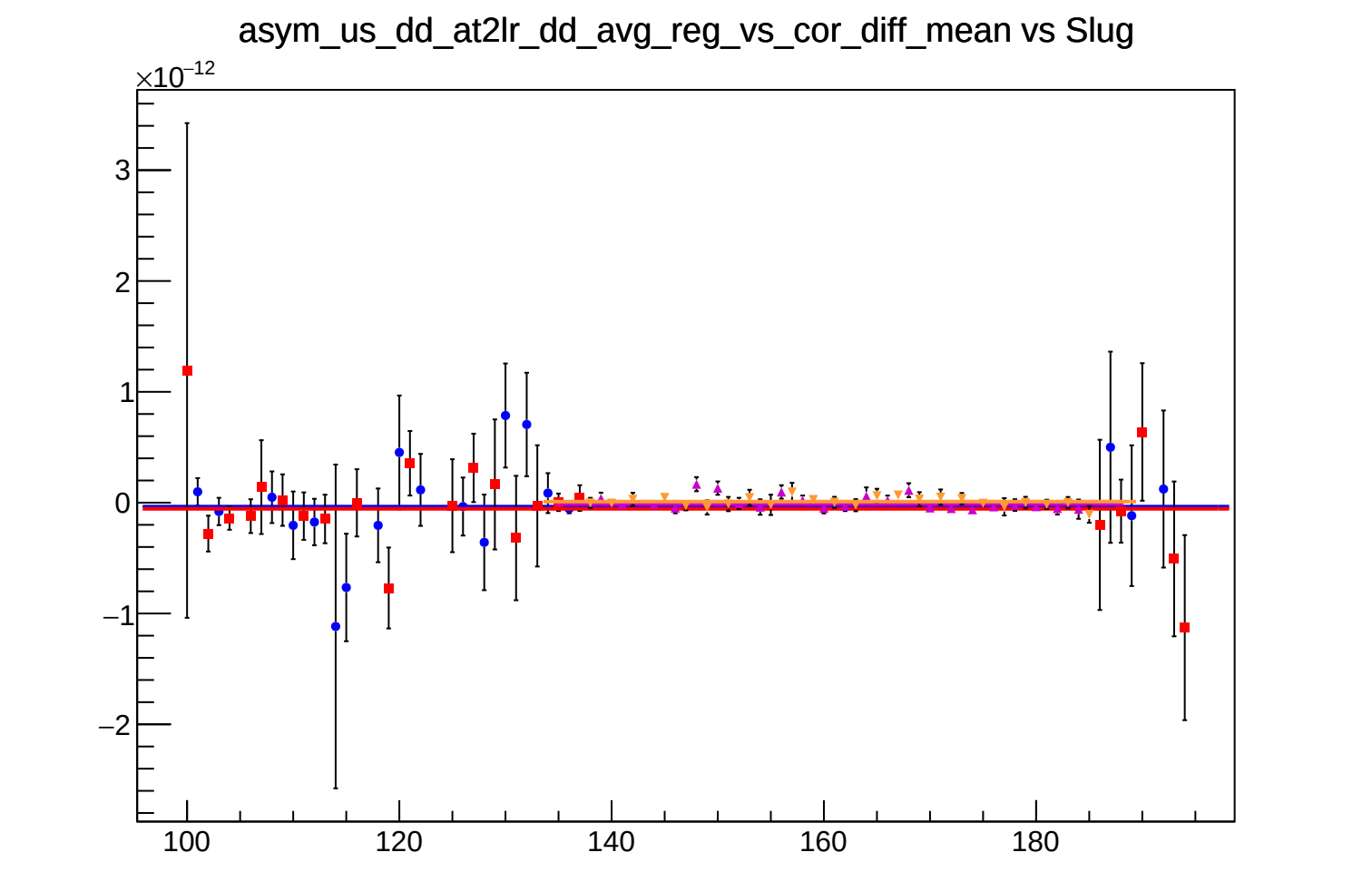
Right Out: 3504.045+/-0.789 χ^2/NDF: 1325886.3/22

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2694.301+/-0.370 χ^2/NDF: 1832471.9/42

All: 2710.671+/-0.261 χ^2/NDF: 4513659.7/88

- sign 2726.830+/-0.368 χ^2/NDF: 2677297.9/45



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

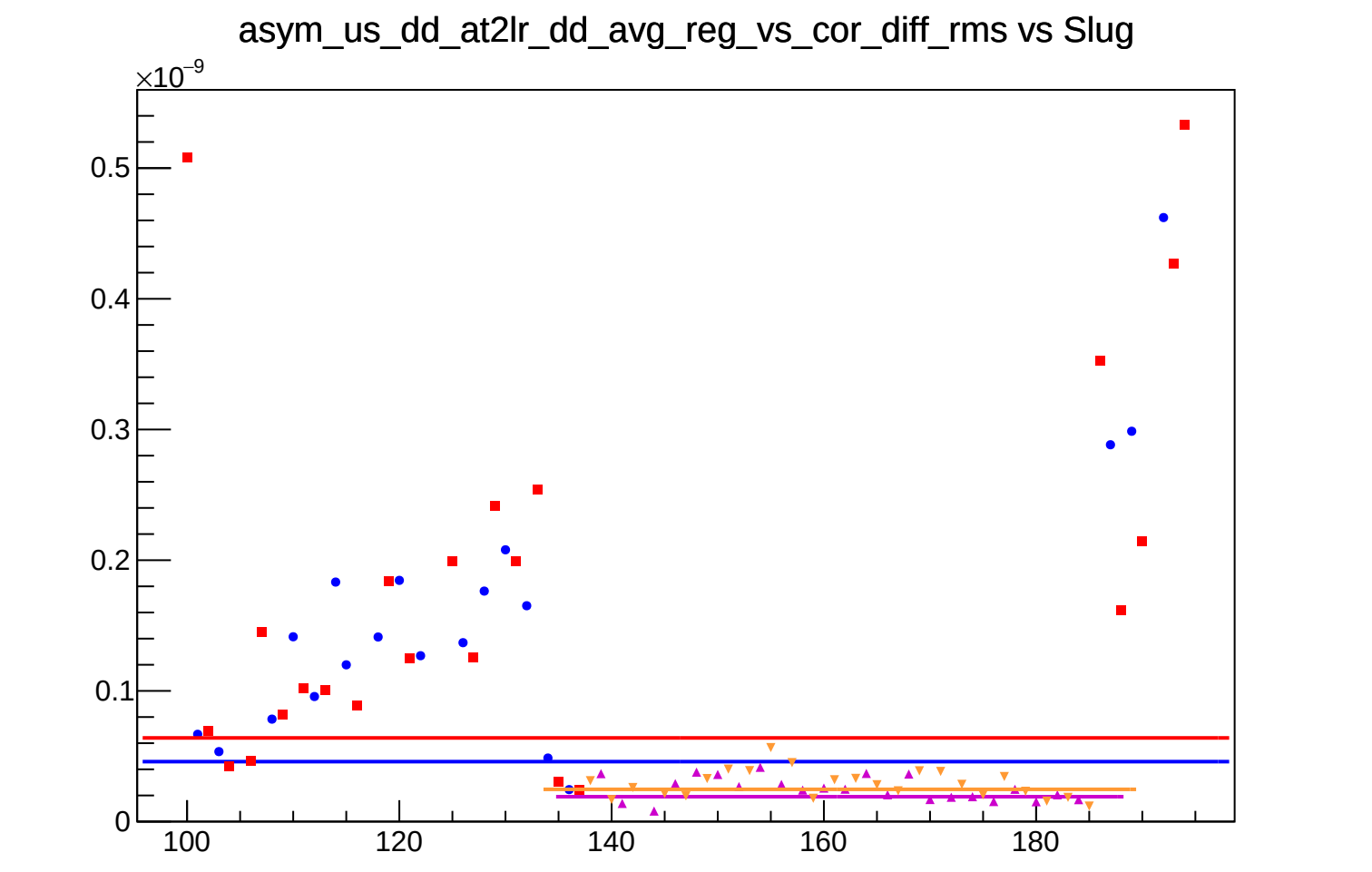
Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/22

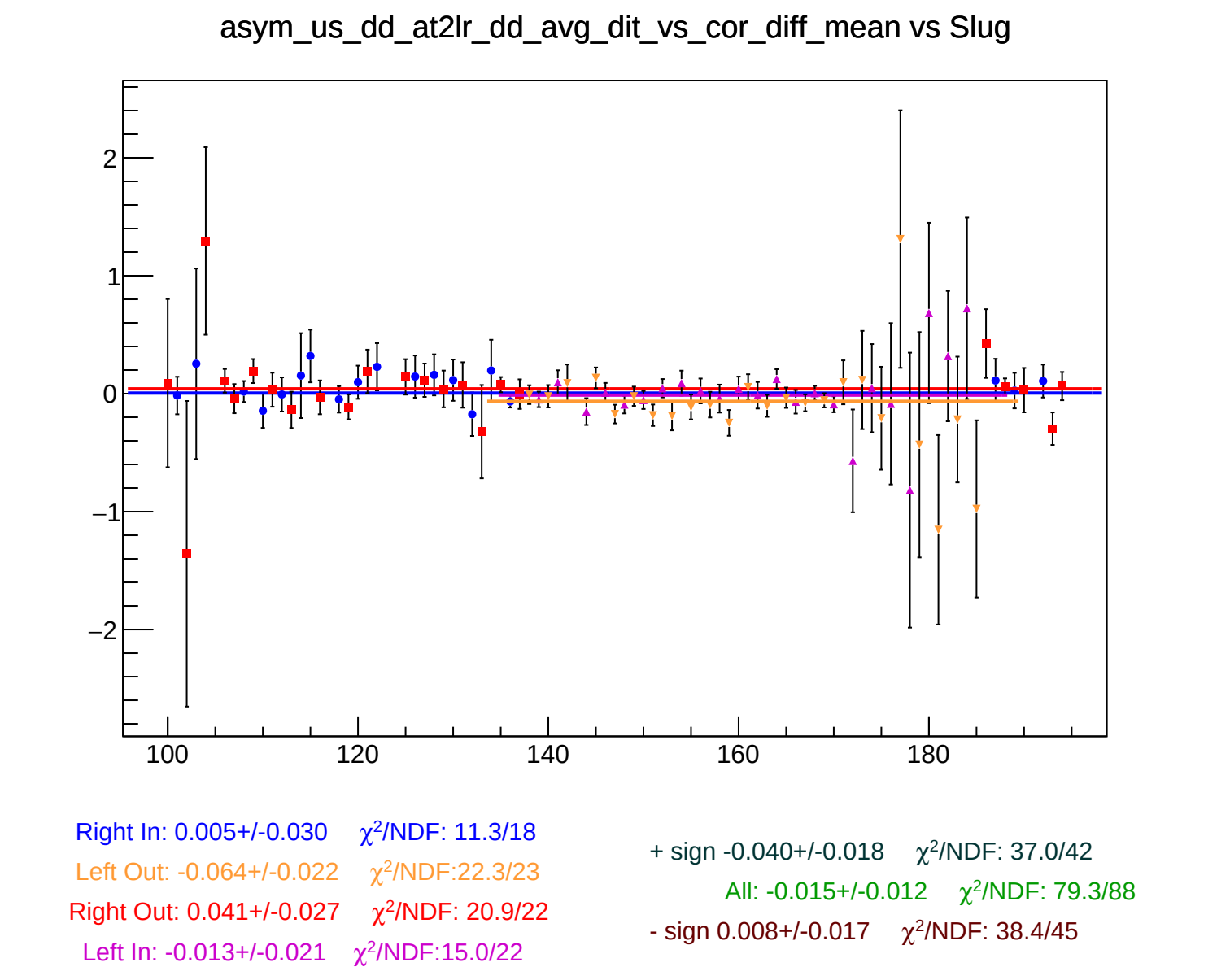
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/42

All: -0.000+/-0.000 χ^2/NDF: 77.9/88

- sign -0.000+/-0.000 χ^2/NDF: 47.8/45


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 3400567.4/18
Left Out: 0.000+/-0.000 χ²/NDF:1413212.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 3940512.2/22
Left In: 0.000+/-0.000 χ²/NDF:2190334.0/22
+ sign 0.000+/-0.000 χ²/NDF: 5520830.6/42
All: 0.000+/-0.000 χ²/NDF: 14183230.7/88
- sign 0.000+/-0.000 χ²/NDF: 8279611.4/45


asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug
2
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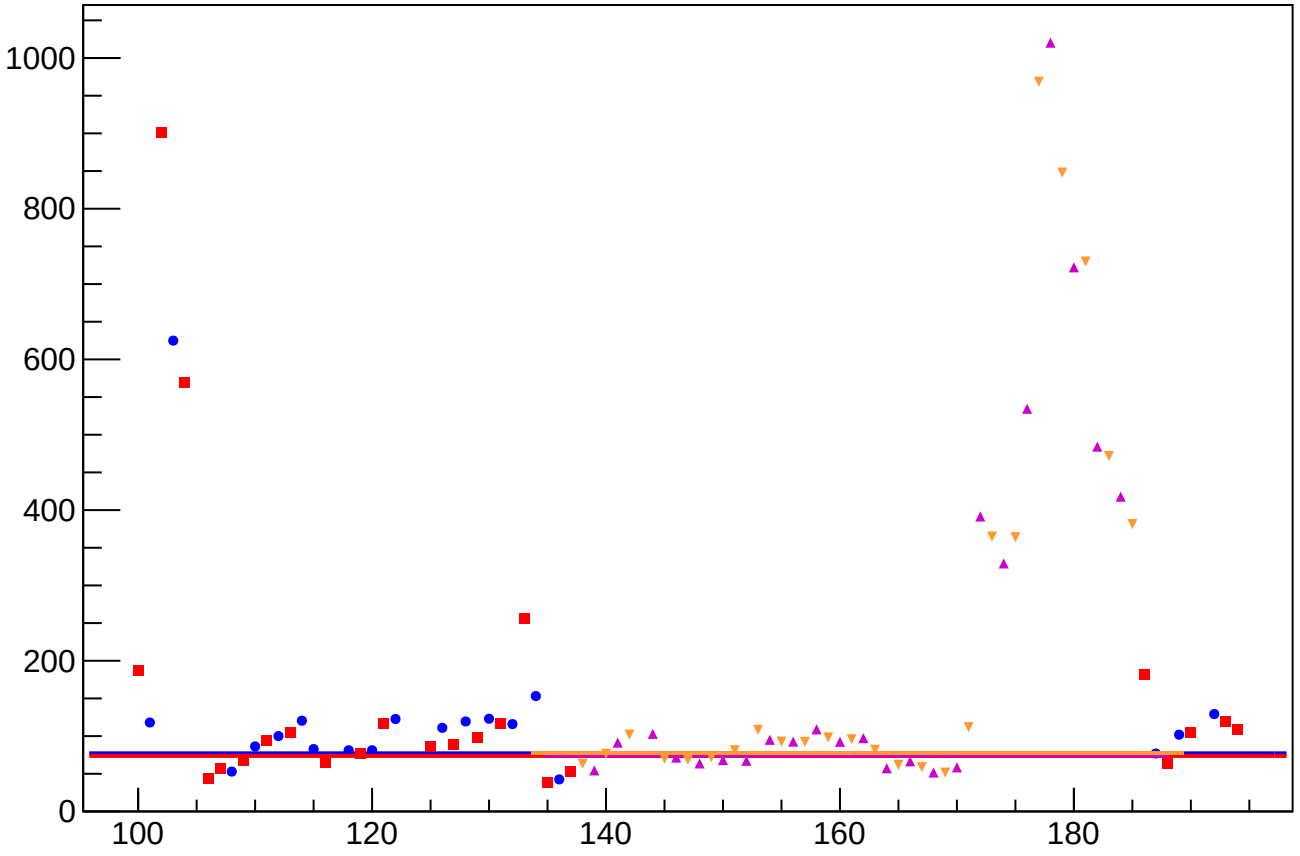
140
160
180
Right In: 0.005+/-0.030 χ²/NDF: 11.3/18
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.041+/-0.027 χ²/NDF: 20.9/22
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.040+/-0.018 χ²/NDF: 37.0/42
All: -0.015+/-0.012 χ²/NDF: 79.3/88
- sign 0.008+/-0.017 χ²/NDF: 38.4/45

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 77.140+/-0.021 χ^2/NDF: 3216938.9/18

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 73.728+/-0.019 χ^2/NDF: 4144216.3/22

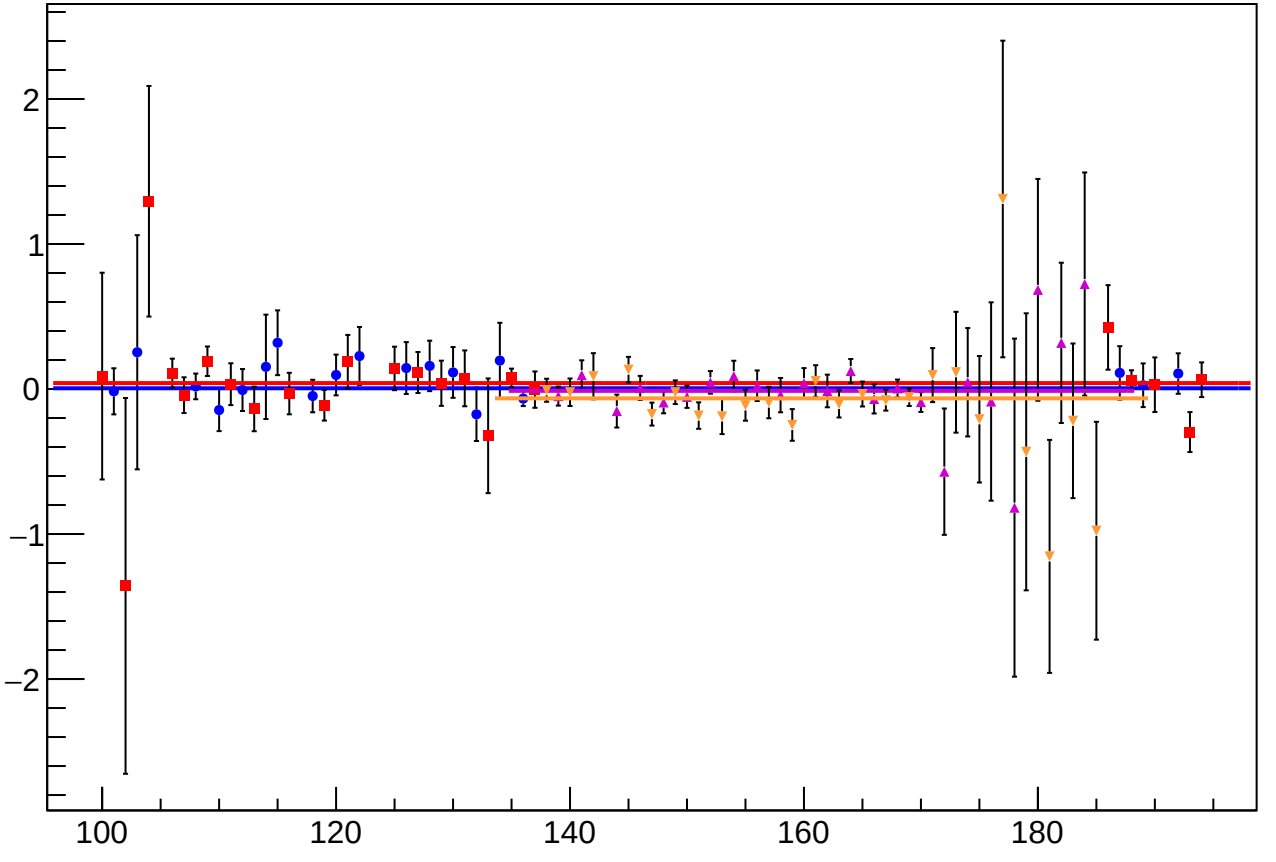
Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 77.397+/-0.013 χ^2/NDF: 11548352.4/42

All: 75.599+/-0.009 χ^2/NDF: 24244979.3/88

- sign 74.032+/-0.012 χ^2/NDF: 12658699.0/45

asym_us_dd_at2lr_dd_avg_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

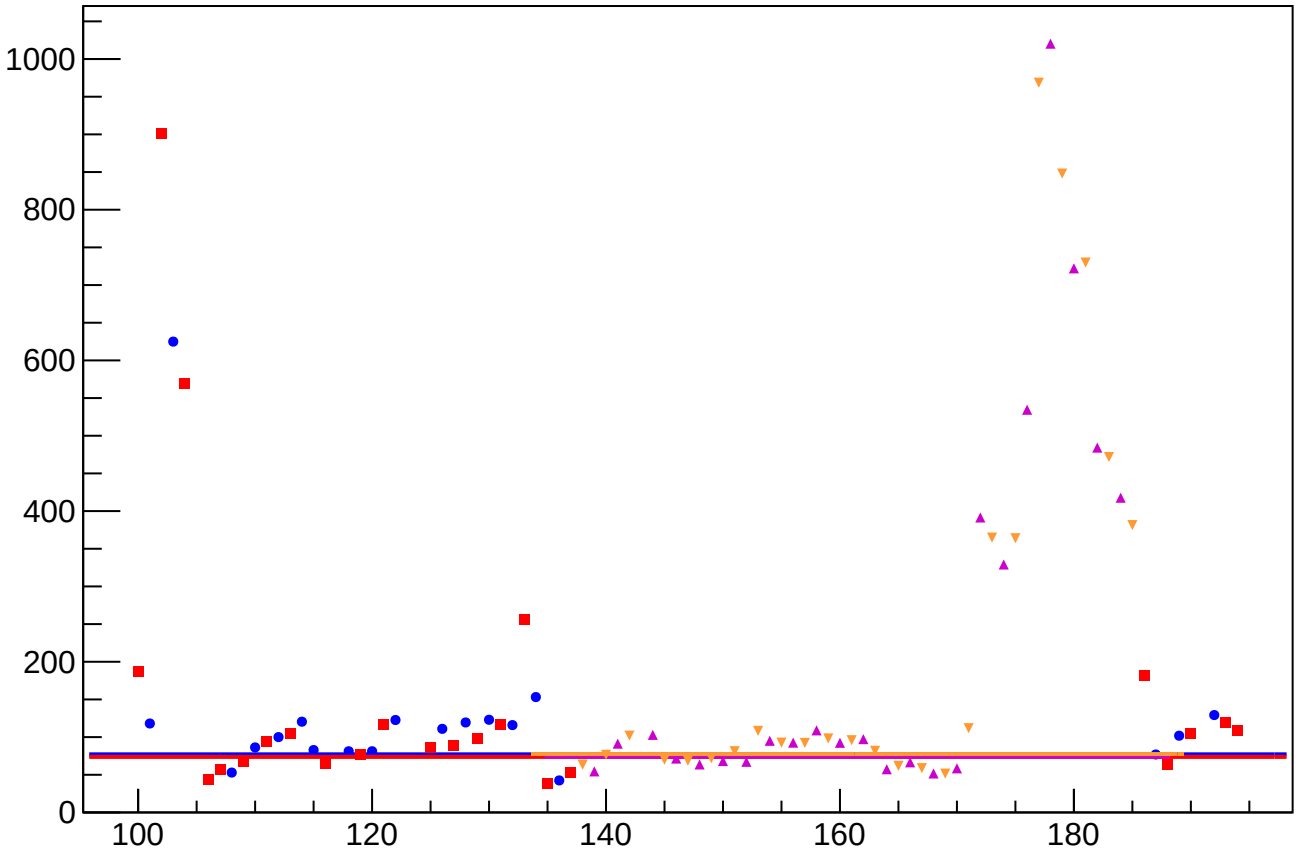
Right Out: 0.041+/-0.027 χ^2/NDF: 20.9/22

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.040+/-0.018 χ^2/NDF: 37.0/42

All: -0.015+/-0.012 χ^2/NDF: 79.3/88

- sign 0.008+/-0.017 χ^2/NDF: 38.4/45



Right In: 77.140+/-0.021 χ^2/NDF: 3216938.9/18

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

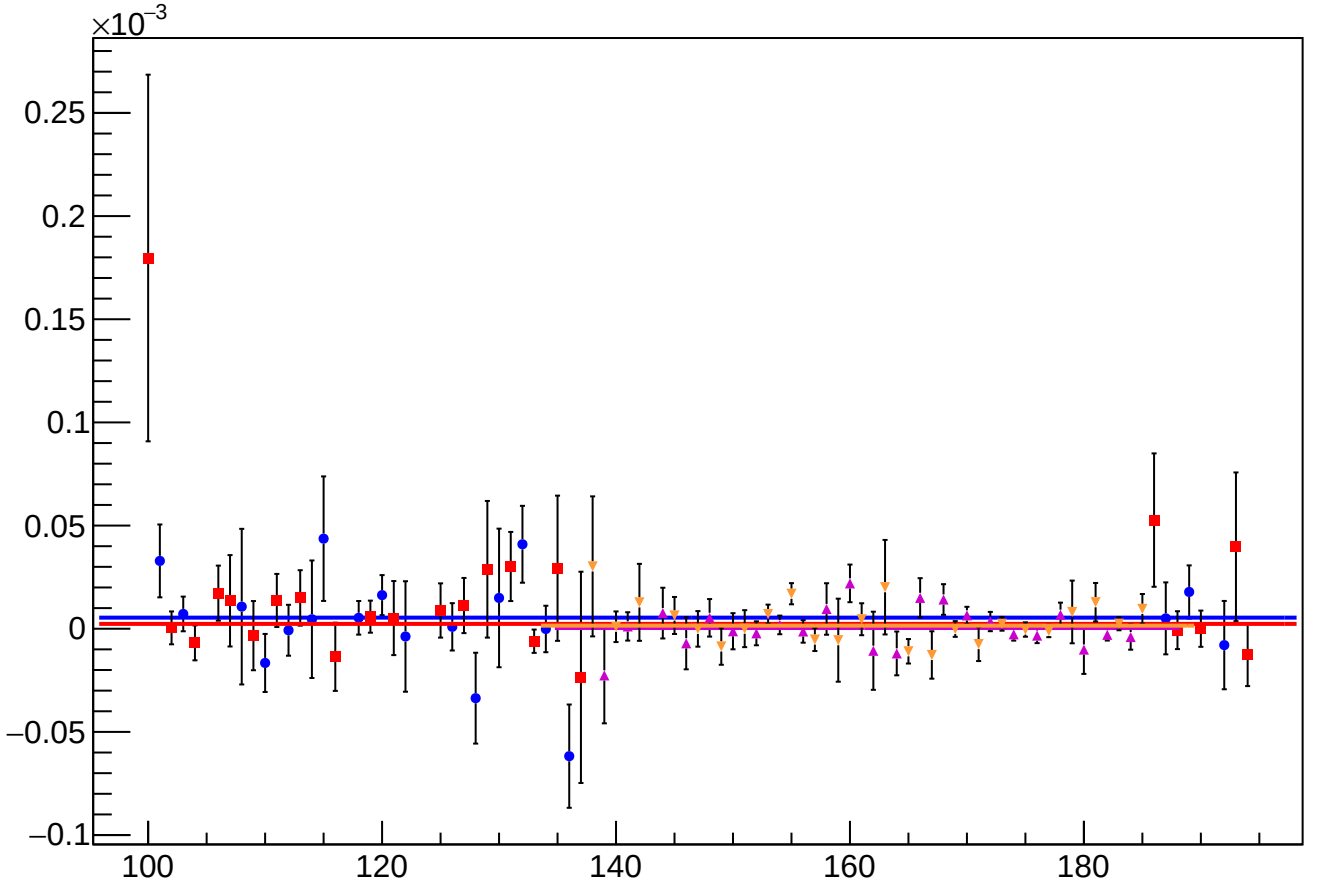
Right Out: 73.728+/-0.019 χ^2/NDF: 4144216.3/22

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

\+ sign 77.397+/-0.013 χ^2/NDF: 11548352.4/42

All: 75.599+/-0.009 χ^2/NDF: 24244979.3/88

\- sign 74.032+/-0.012 χ^2/NDF: 12658699.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

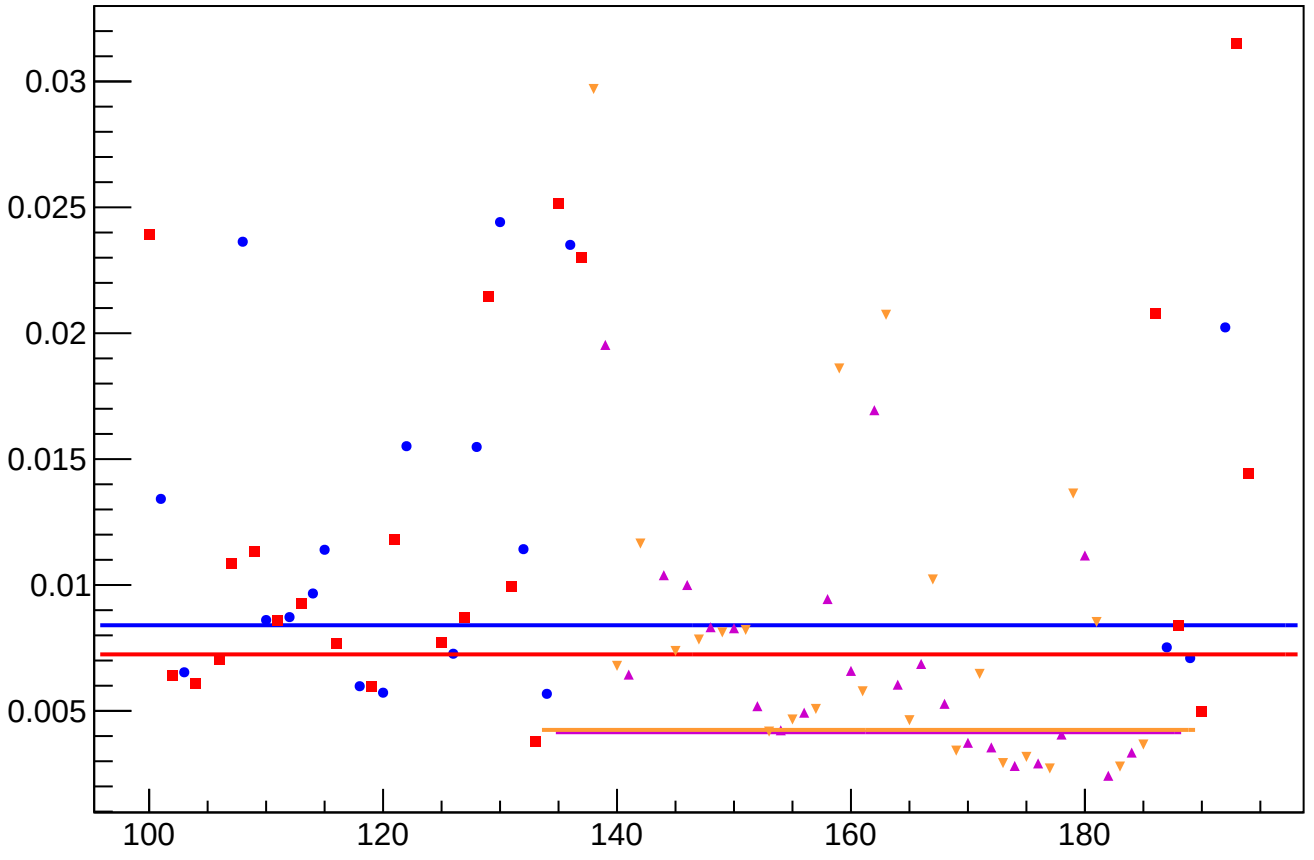
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/22

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.3/42

All: 0.000+/-0.000 χ^2/NDF: 99.5/88

- sign 0.000+/-0.000 χ^2/NDF: 46.6/45



Right In: 0.008+/-0.000 χ^2/NDF: 3298054.2/18

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

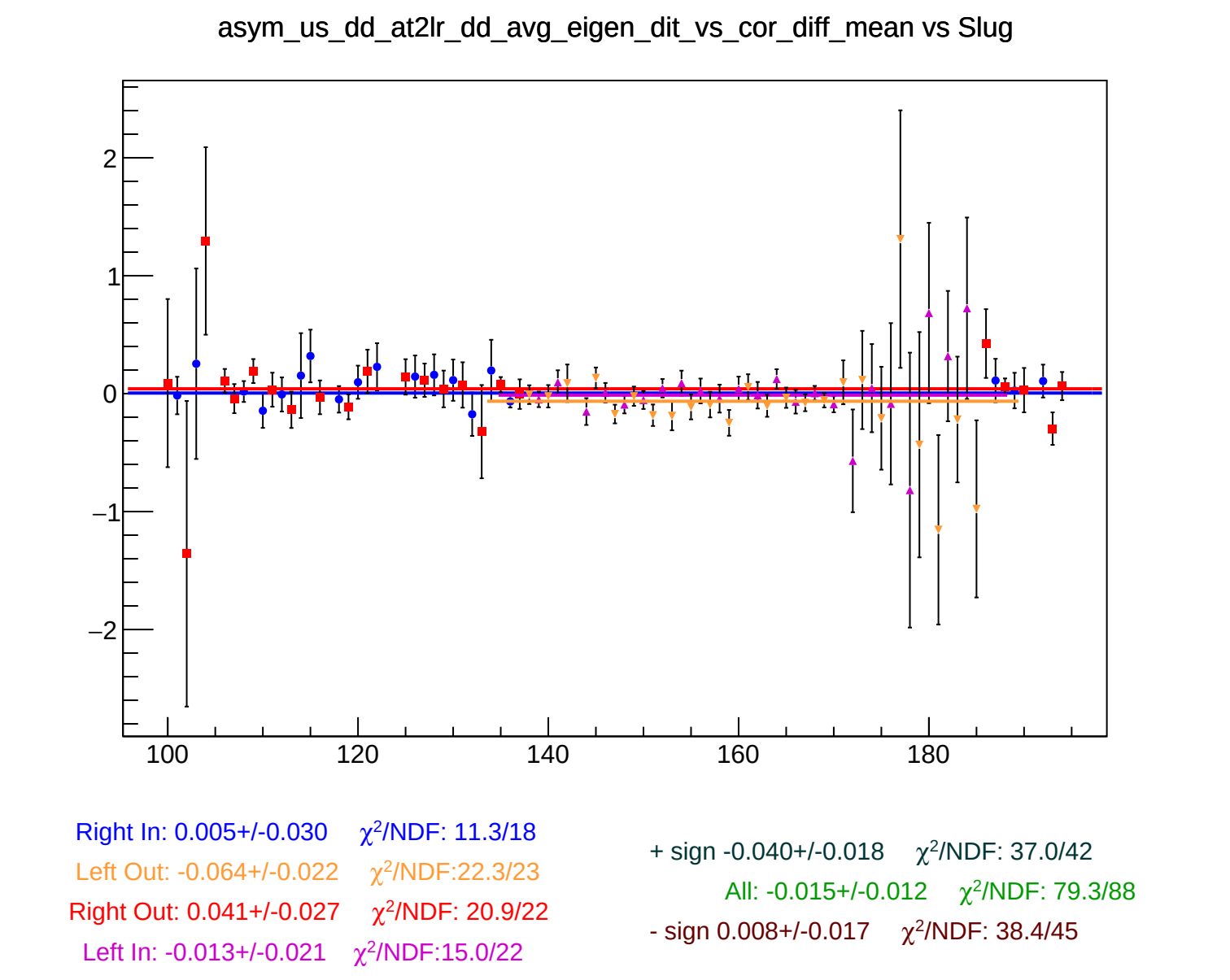
Right Out: 0.007+/-0.000 χ^2/NDF: 4340591.5/22

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 14820951.5/42

All: 0.005+/-0.000 χ^2/NDF: 28485442.8/88

- sign 0.005+/-0.000 χ^2/NDF: 13664491.2/45


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
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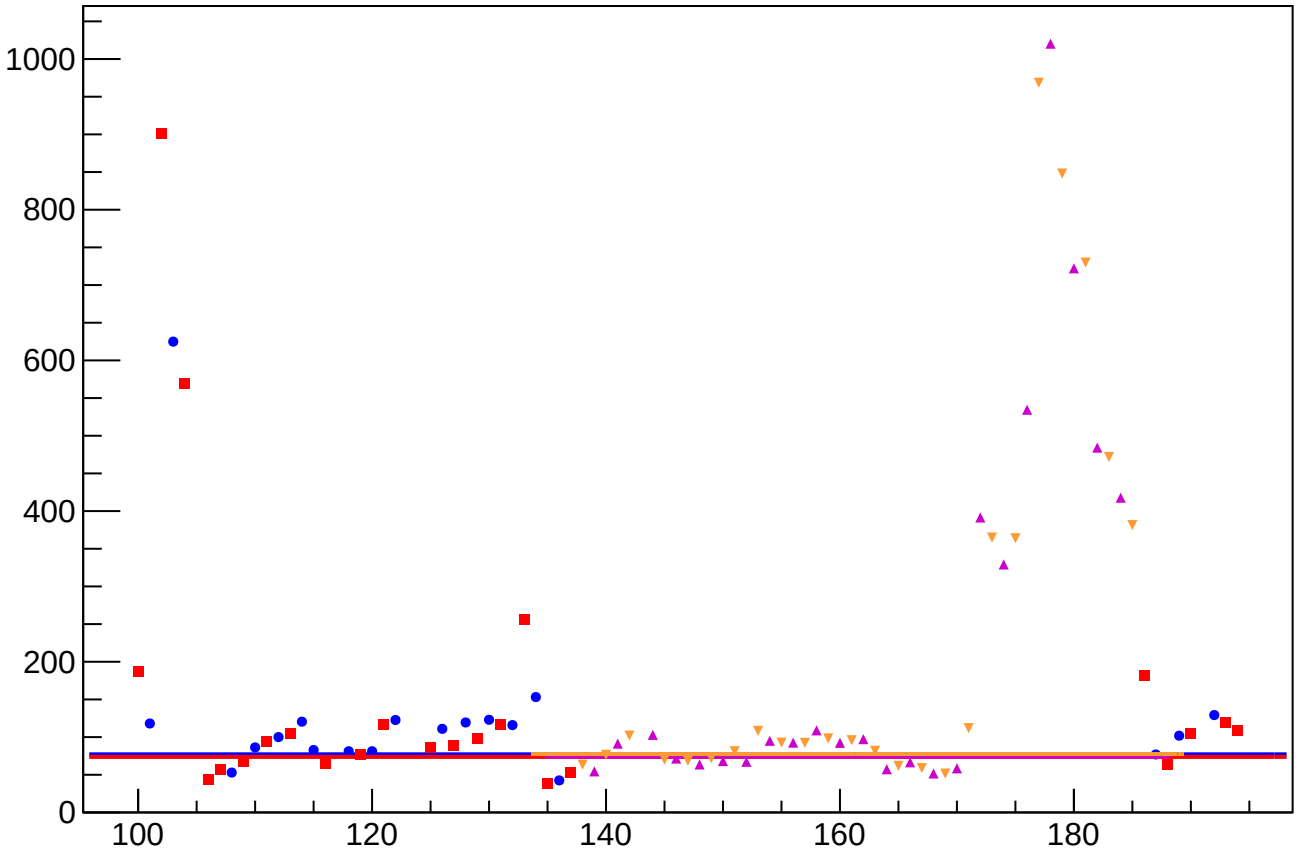
Right In: 0.005+/-0.030 χ²/NDF: 11.3/18
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.041+/-0.027 χ²/NDF: 20.9/22
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.040+/-0.018 χ²/NDF: 37.0/42
All: -0.015+/-0.012 χ²/NDF: 79.3/88
- sign 0.008+/-0.017 χ²/NDF: 38.4/45



Right In: 77.164+/-0.021 χ^2/NDF: 3214187.0/18

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

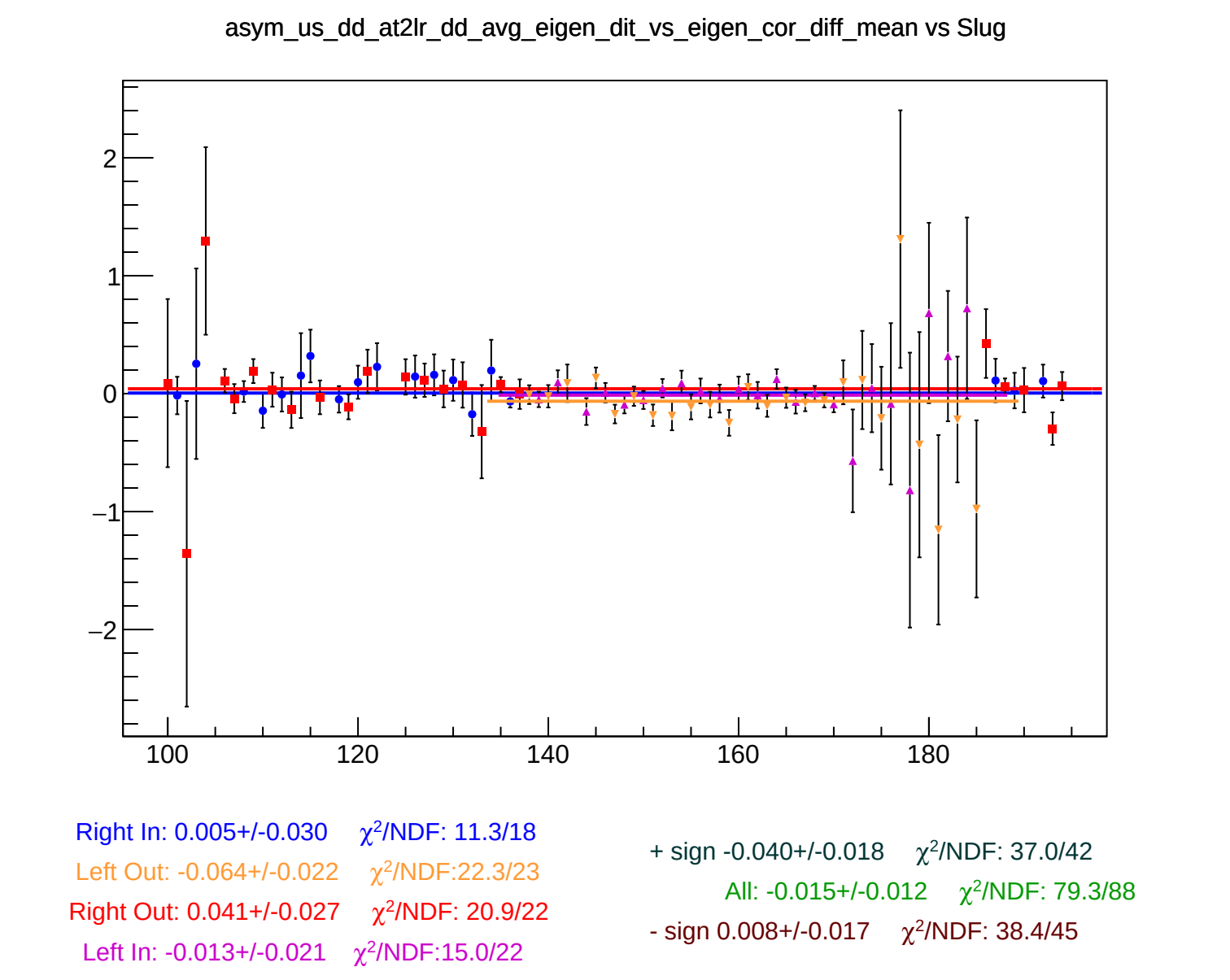
Right Out: 73.720+/-0.019 χ^2/NDF: 4145332.0/22

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

\+ sign 77.405+/-0.013 χ^2/NDF: 11545487.3/42

All: 75.601+/-0.009 χ^2/NDF: 24243190.8/88

\- sign 74.030+/-0.012 χ^2/NDF: 12659541.8/45


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
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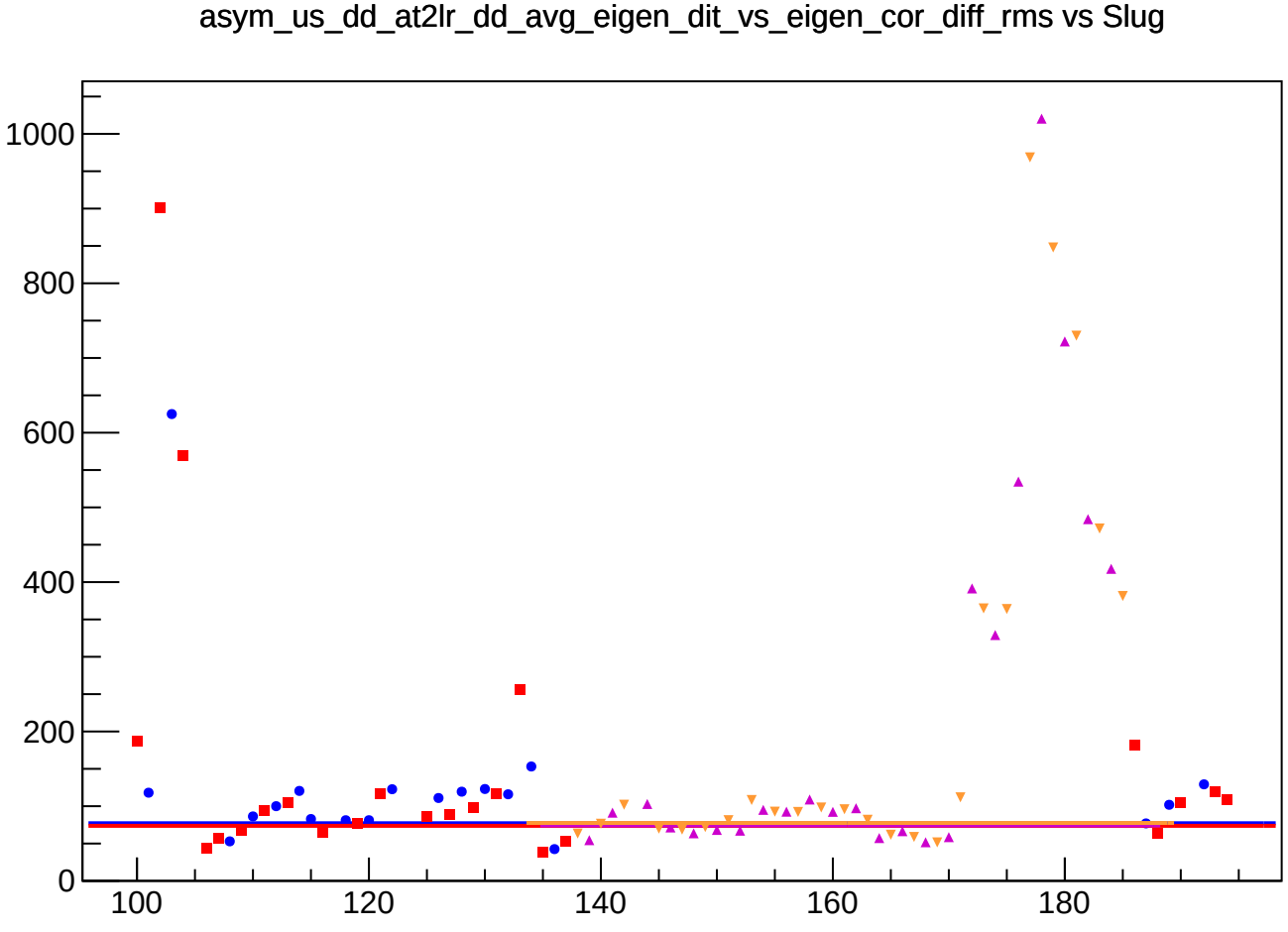
180
Right In: 0.005+/-0.030 χ²/NDF: 11.3/18
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.041+/-0.027 χ²/NDF: 20.9/22
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.040+/-0.018 χ²/NDF: 37.0/42
All: -0.015+/-0.012 χ²/NDF: 79.3/88
- sign 0.008+/-0.017 χ²/NDF: 38.4/45



Right In: 77.164+/-0.021 χ^2/NDF: 3214187.0/18

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

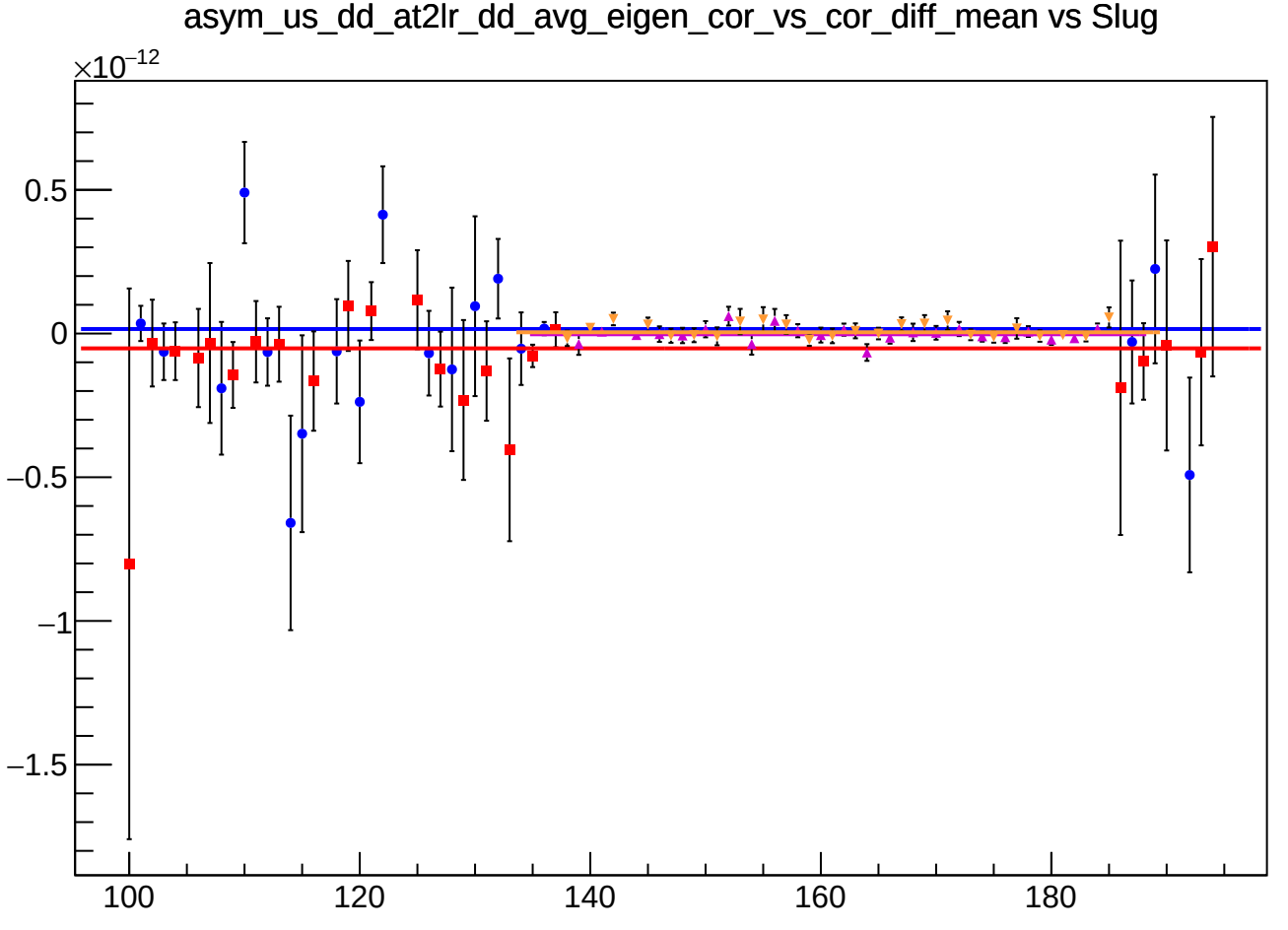
Right Out: 73.720+/-0.019 χ^2/NDF: 4145332.0/22

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

\+ sign 77.405+/-0.013 χ^2/NDF: 11545487.3/42

All: 75.601+/-0.009 χ^2/NDF: 24243190.8/88

\- sign 74.030+/-0.012 χ^2/NDF: 12659541.8/45



Right In: 0.000+/-0.000 χ^2/NDF: 26.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

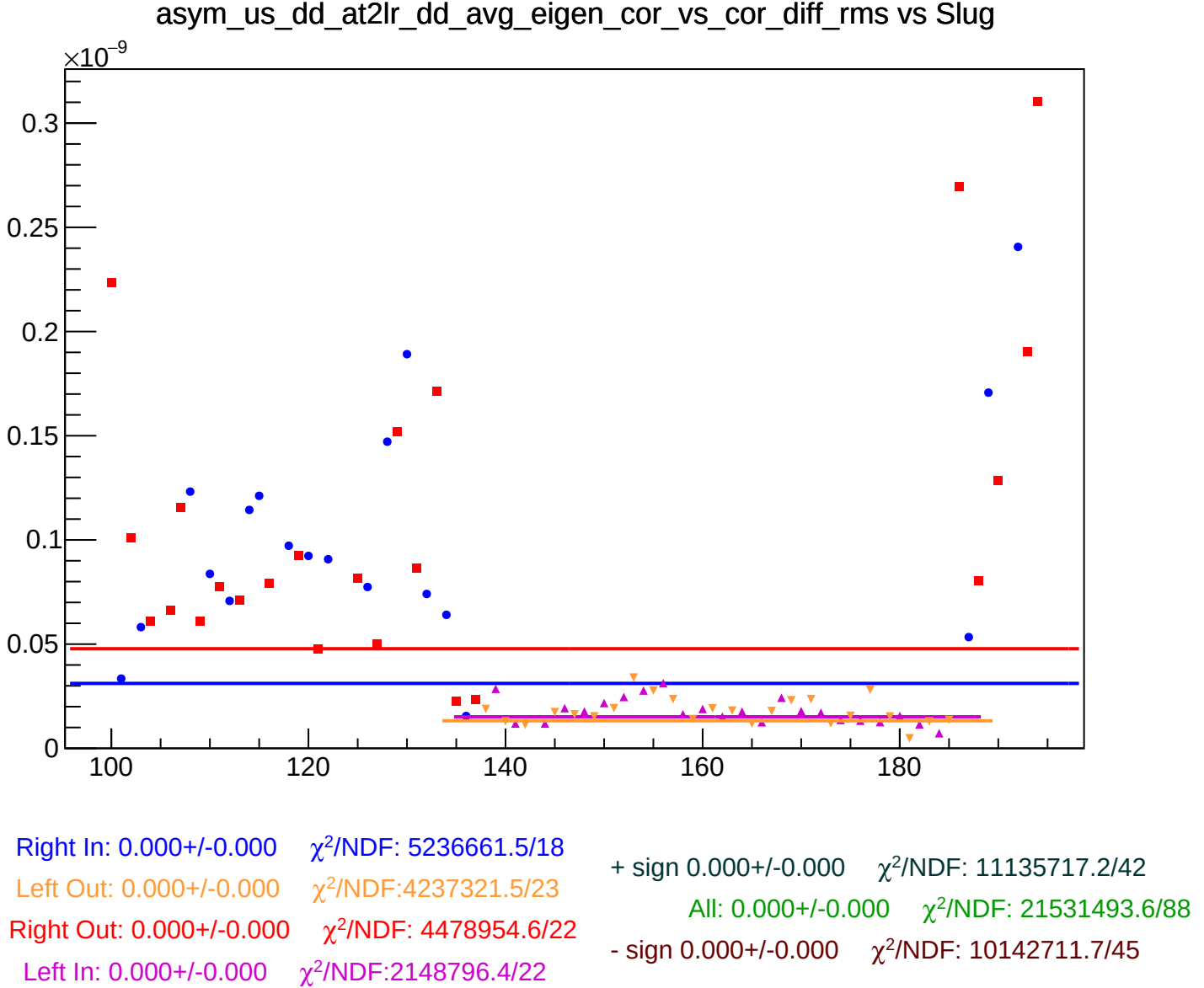
Right Out: -0.000+/-0.000 χ^2/NDF: 9.9/22

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

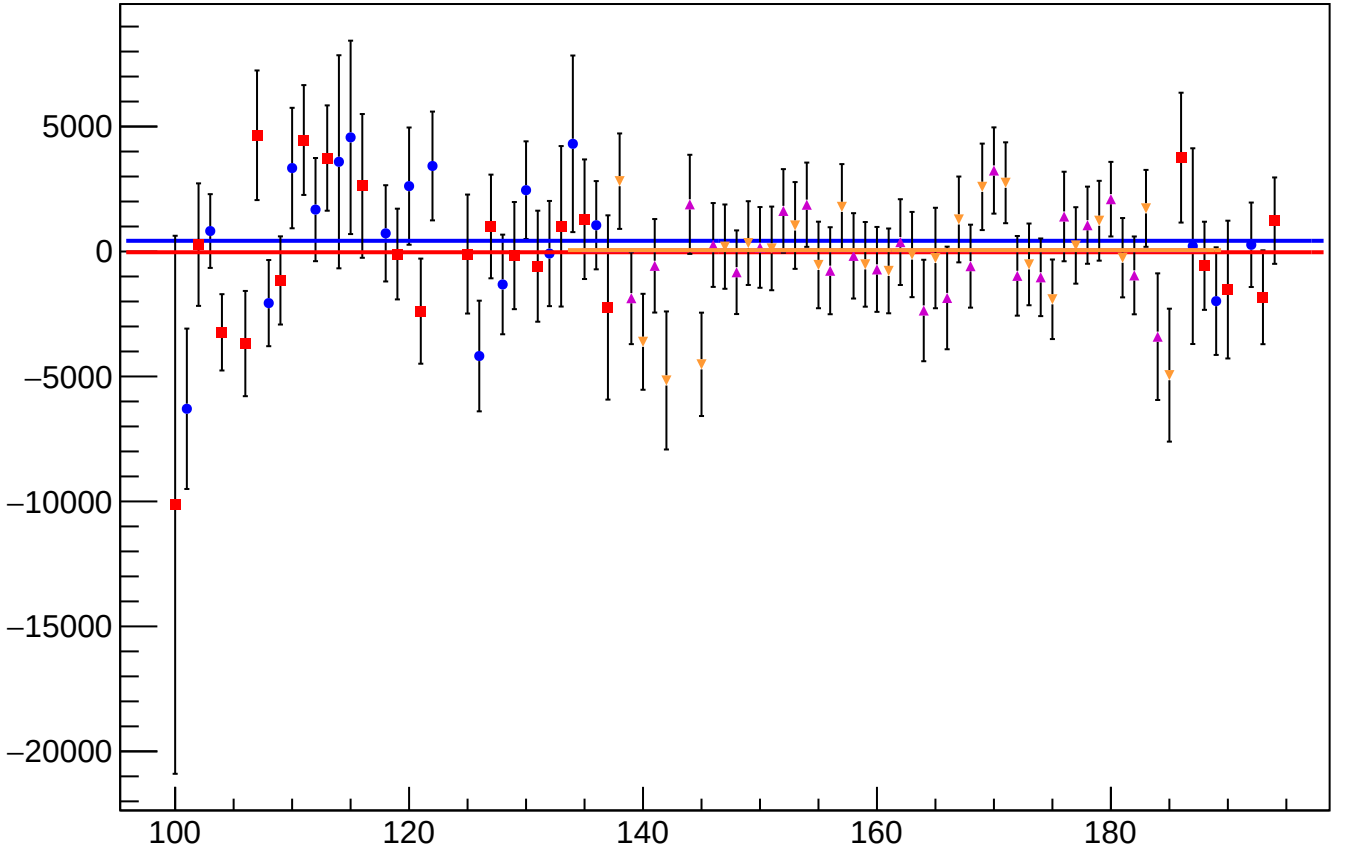
+ sign 0.000+/-0.000 χ^2/NDF: 48.1/42

All: 0.000+/-0.000 χ^2/NDF: 81.6/88

- sign -0.000+/-0.000 χ^2/NDF: 31.4/45


asym_us_dd_at2lr_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: 5236661.5/18
Left Out: 0.000+/-0.000 χ²/NDF:4237321.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 4478954.6/22
Left In: 0.000+/-0.000 χ²/NDF:2148796.4/22
+ sign 0.000+/-0.000 χ²/NDF: 11135717.2/42
All: 0.000+/-0.000 χ²/NDF: 21531493.6/88
- sign 0.000+/-0.000 χ²/NDF: 10142711.7/45

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: -30.130+/-457.530 χ^2/NDF: 26.5/22

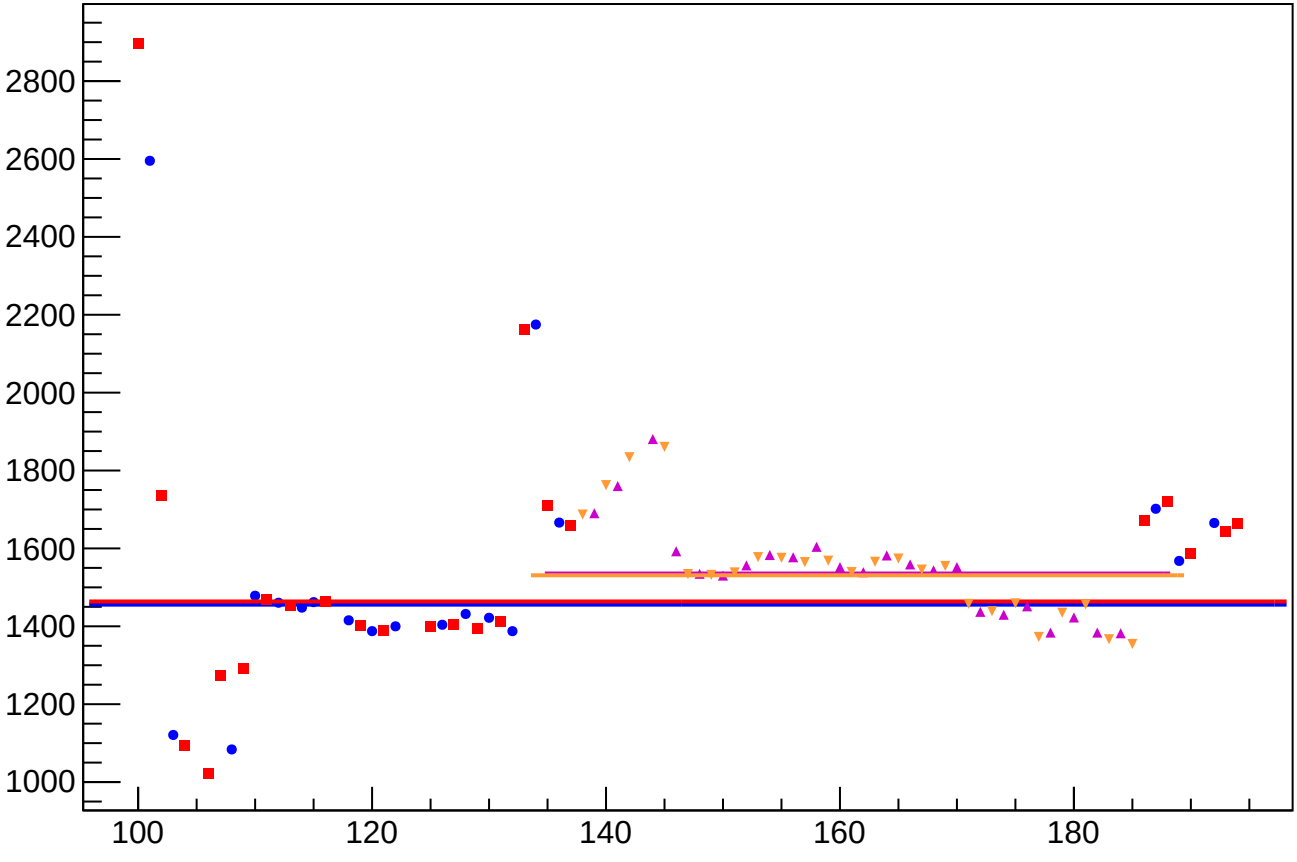
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 181.741+/-289.477 χ^2/NDF: 50.5/42

All: 98.074+/-202.250 χ^2/NDF: 94.0/88

- sign 18.282+/-282.693 χ^2/NDF: 43.3/45

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

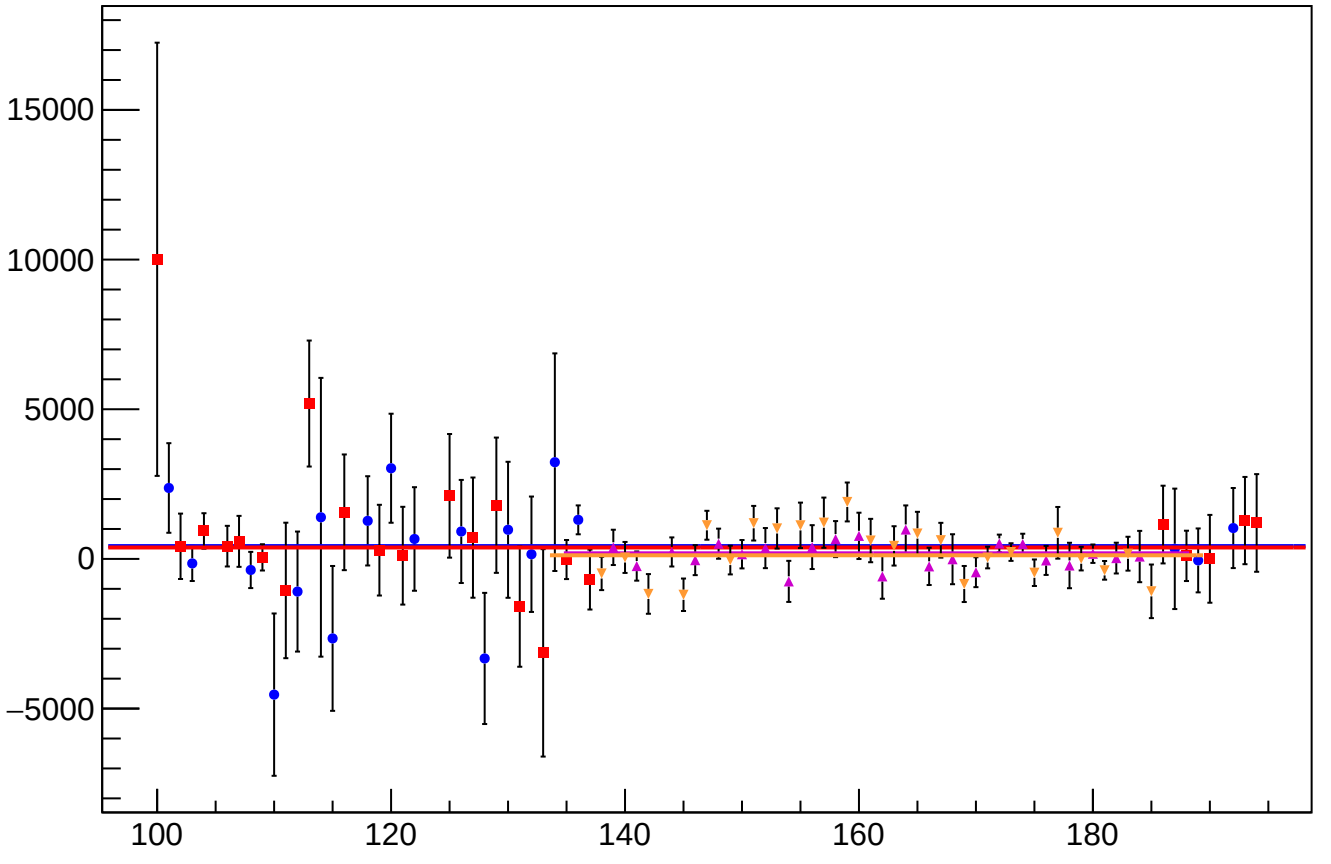
Right Out: 1463.777+/-0.324 χ^2/NDF: 532571.8/22

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1505.359+/-0.205 χ^2/NDF: 845853.8/42

All: 1506.788+/-0.143 χ^2/NDF: 1601382.1/88

- sign 1508.150+/-0.200 χ^2/NDF: 755433.1/45



Right In: 428.475+/-259.777 χ^2/NDF: 19.8/18

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: 382.039+/-215.055 χ^2/NDF: 15.1/22

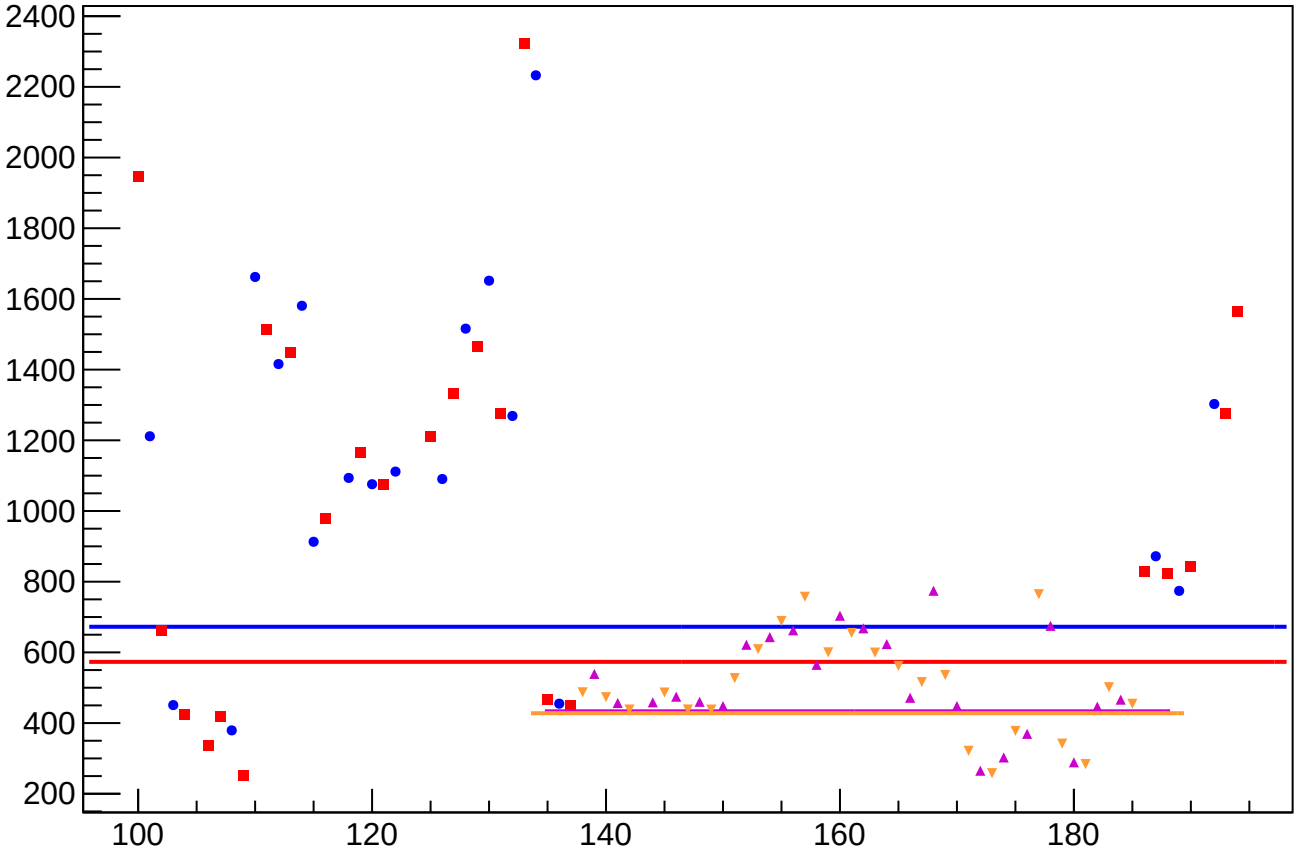
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 164.502+/-97.396 χ^2/NDF: 64.6/42

All: 195.537+/-68.291 χ^2/NDF: 92.2/88

- sign 225.549+/-95.780 χ^2/NDF: 27.4/45

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: 573.204+/-0.152 χ^2/NDF: 6029827.8/22

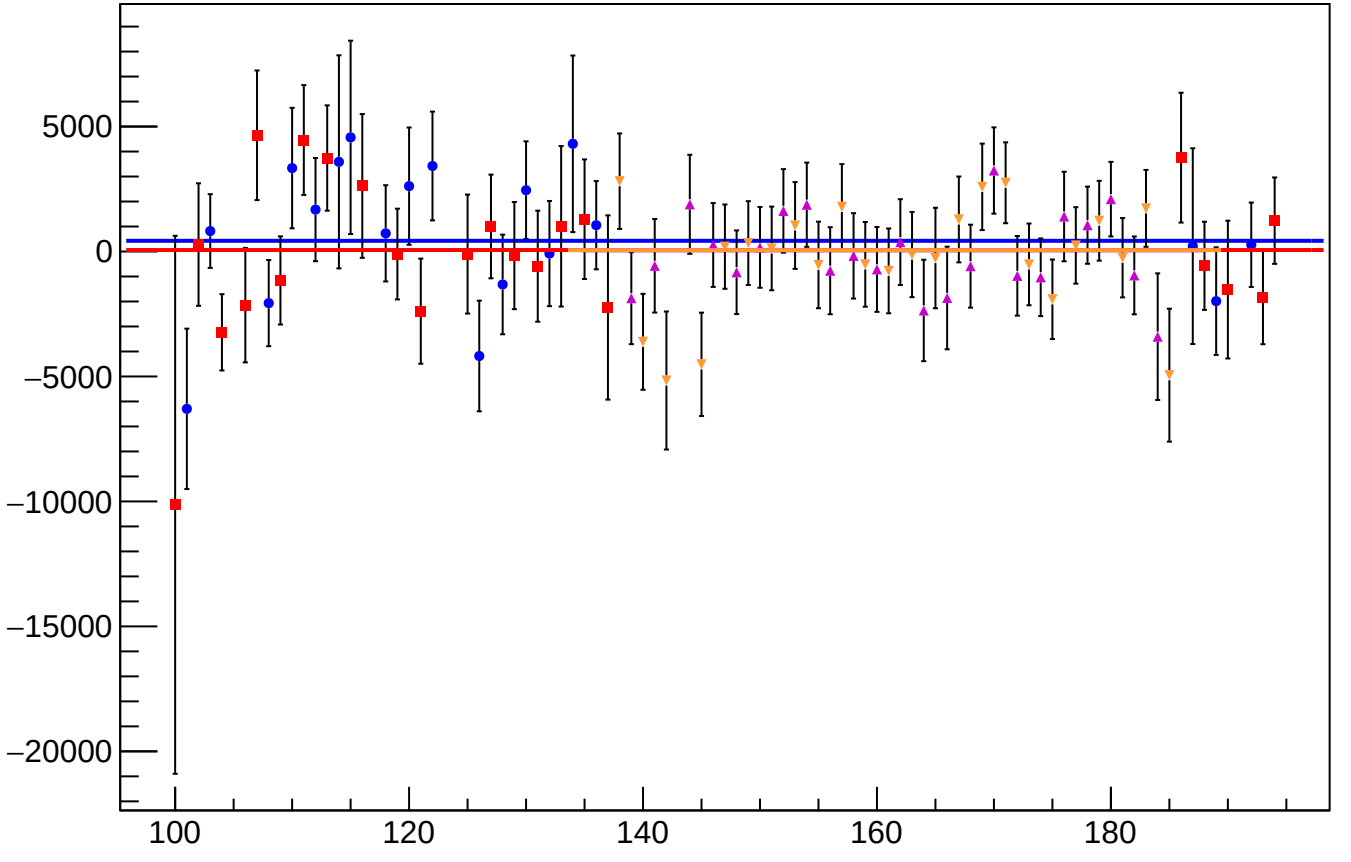
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 462.206+/-0.069 χ^2/NDF: 8983709.0/42

All: 461.612+/-0.048 χ^2/NDF: 18940381.0/88

- sign 461.038+/-0.068 χ^2/NDF: 9956525.7/45

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: 58.775+/-459.210 χ^2/NDF: 24.3/22

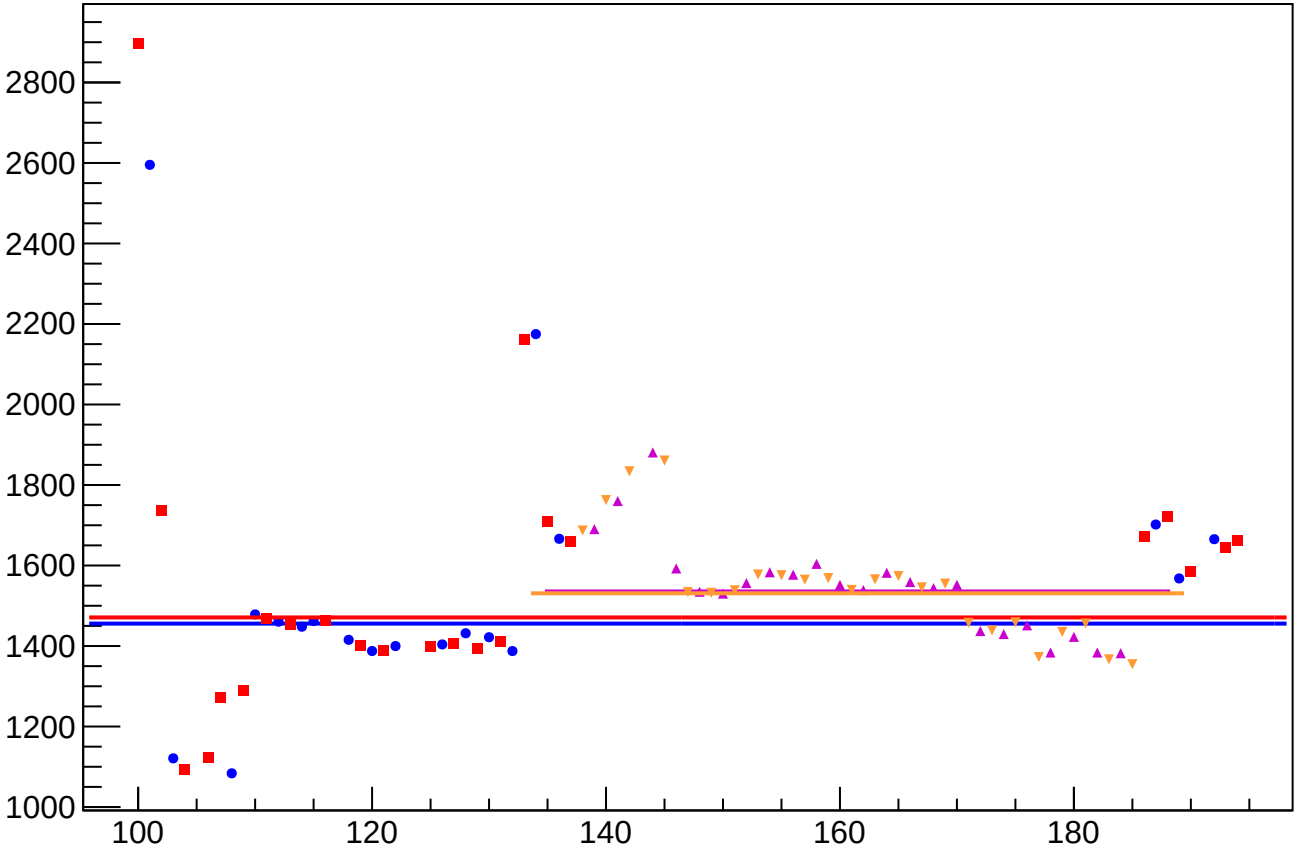
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 181.690+/-289.477 χ^2/NDF: 50.5/42

All: 115.527+/-202.394 χ^2/NDF: 91.7/88

- sign 52.253+/-283.088 χ^2/NDF: 41.1/45

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

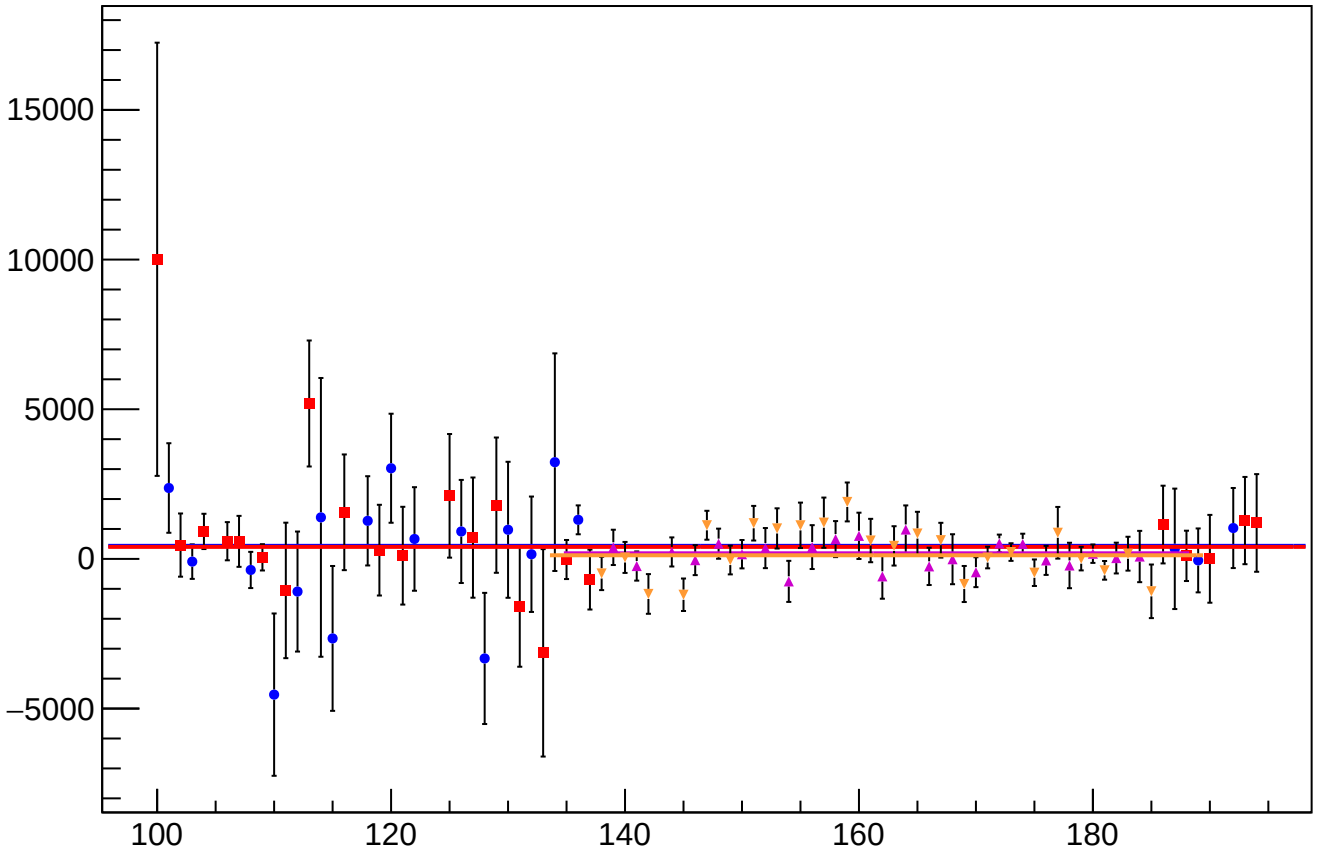
Right Out: 1471.011+/-0.325 χ^2/NDF: 488887.3/22

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1505.359+/-0.205 χ^2/NDF: 845854.1/42

All: 1508.254+/-0.143 χ^2/NDF: 1552058.4/88

- sign 1511.024+/-0.200 χ^2/NDF: 705812.8/45



Right In: 436.169+/-258.792 χ^2/NDF: 19.6/18

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: 401.806+/-213.188 χ^2/NDF: 15.2/22

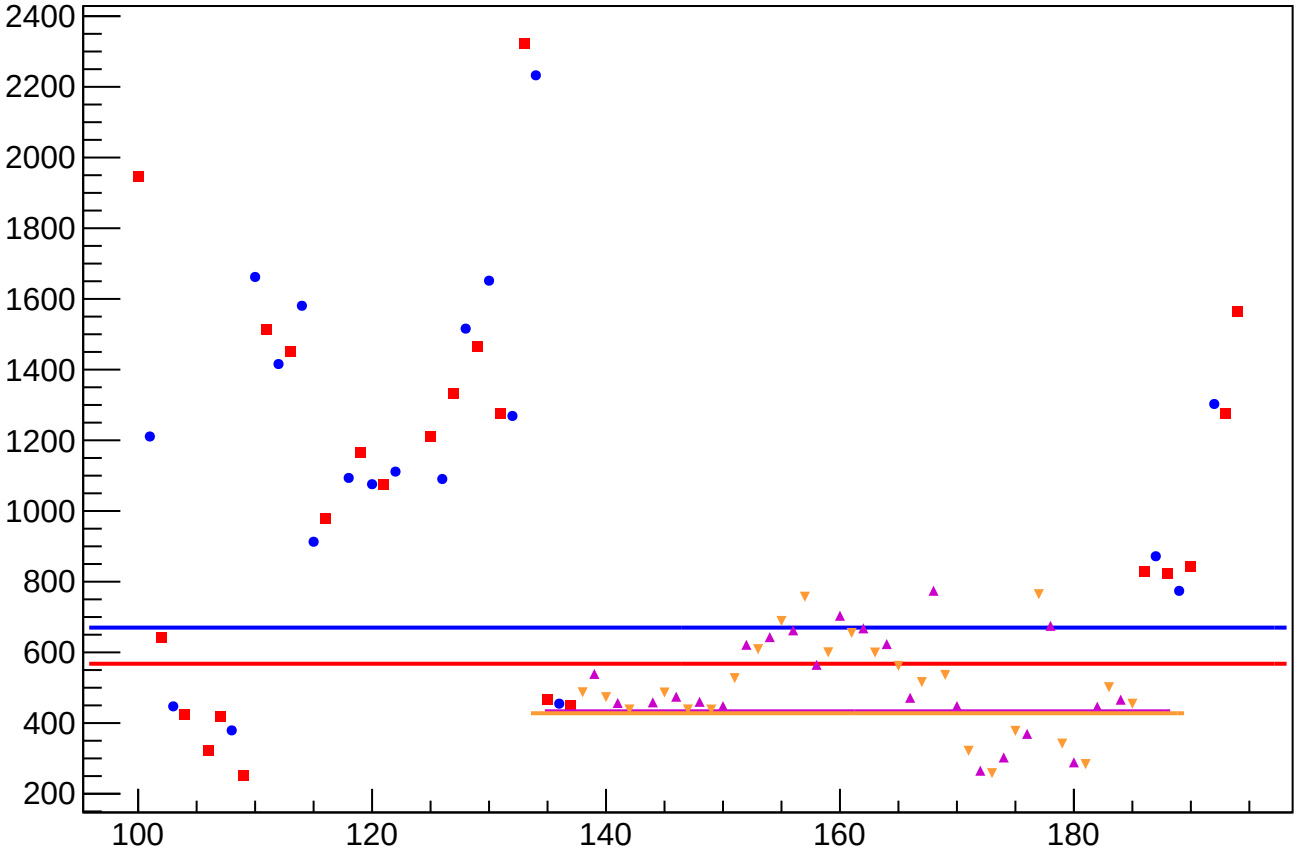
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 165.872+/-97.344 χ^2/NDF: 64.5/42

All: 198.632+/-68.213 χ^2/NDF: 92.3/88

- sign 230.237+/-95.613 χ^2/NDF: 27.6/45

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: 567.824+/-0.151 χ^2/NDF: 6088333.9/22

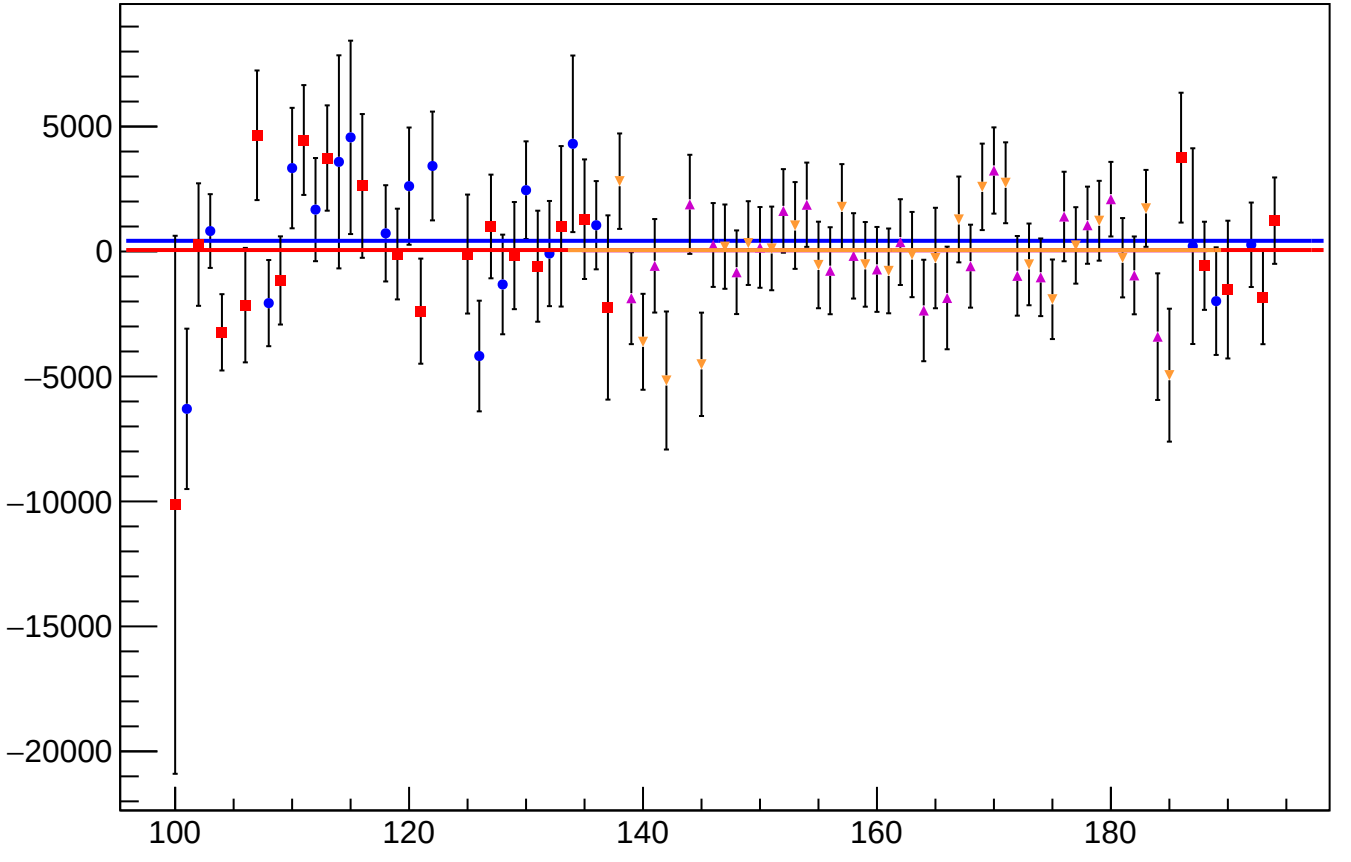
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 462.092+/-0.069 χ^2/NDF: 8984174.0/42

All: 461.204+/-0.048 χ^2/NDF: 18957012.7/88

- sign 460.347+/-0.068 χ^2/NDF: 9972511.5/45

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: 58.775+/-459.210 χ^2/NDF: 24.3/22

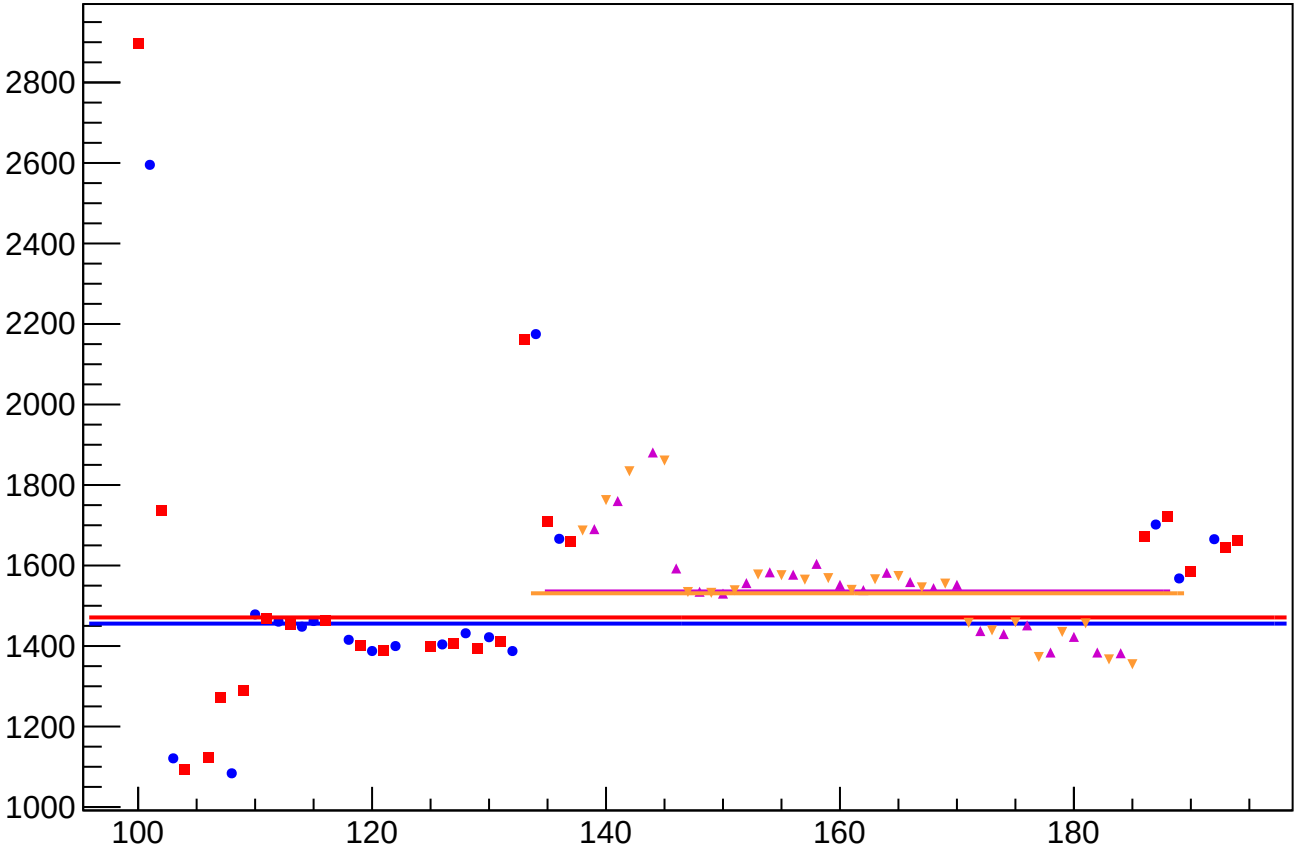
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 181.690+/-289.477 χ^2/NDF: 50.5/42

All: 115.527+/-202.394 χ^2/NDF: 91.7/88

- sign 52.253+/-283.088 χ^2/NDF: 41.1/45

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

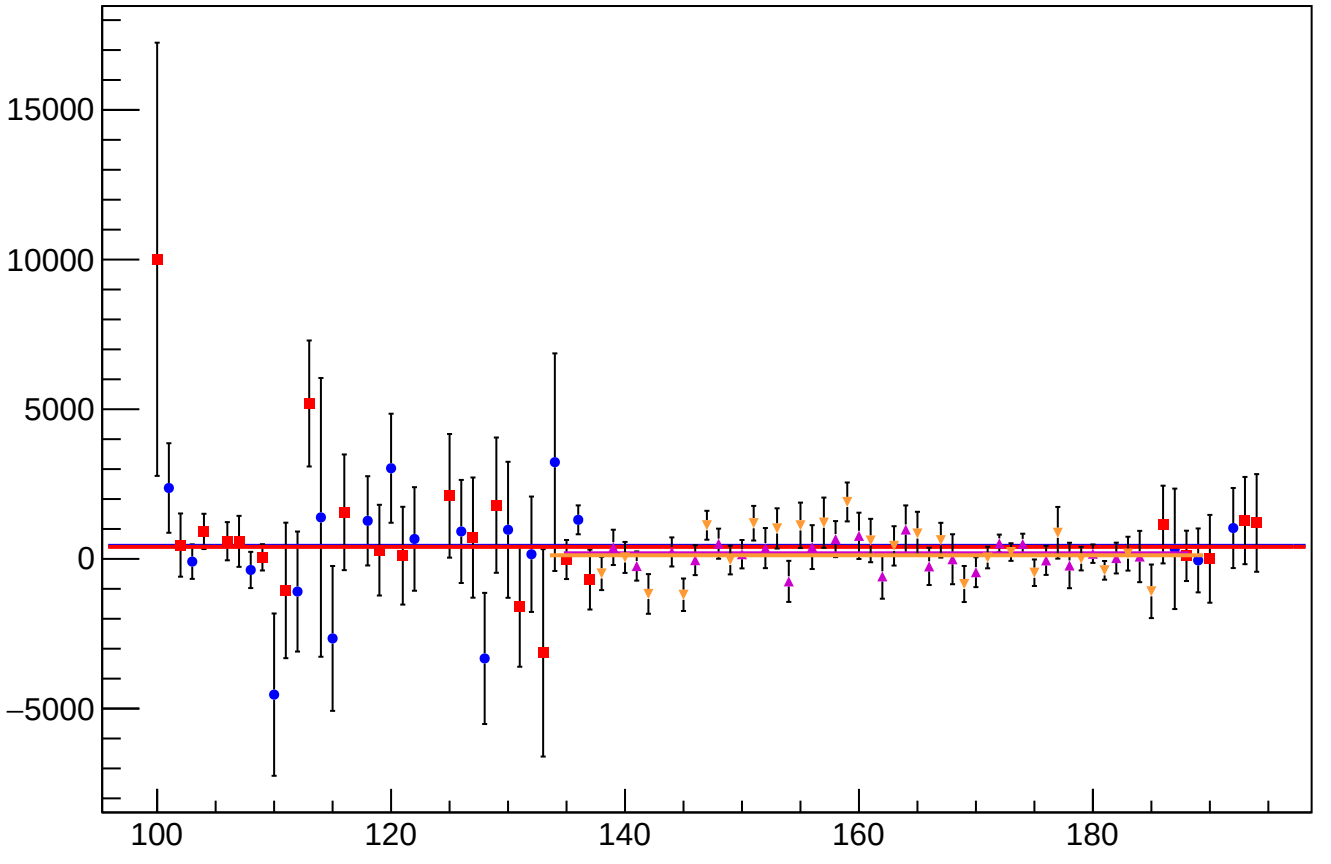
Right Out: 1471.011+/-0.325 χ^2/NDF: 488887.3/22

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1505.359+/-0.205 χ^2/NDF: 845854.1/42

All: 1508.254+/-0.143 χ^2/NDF: 1552058.4/88

- sign 1511.024+/-0.200 χ^2/NDF: 705812.8/45



Right In: 436.169+/-258.792 χ^2/NDF: 19.6/18

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

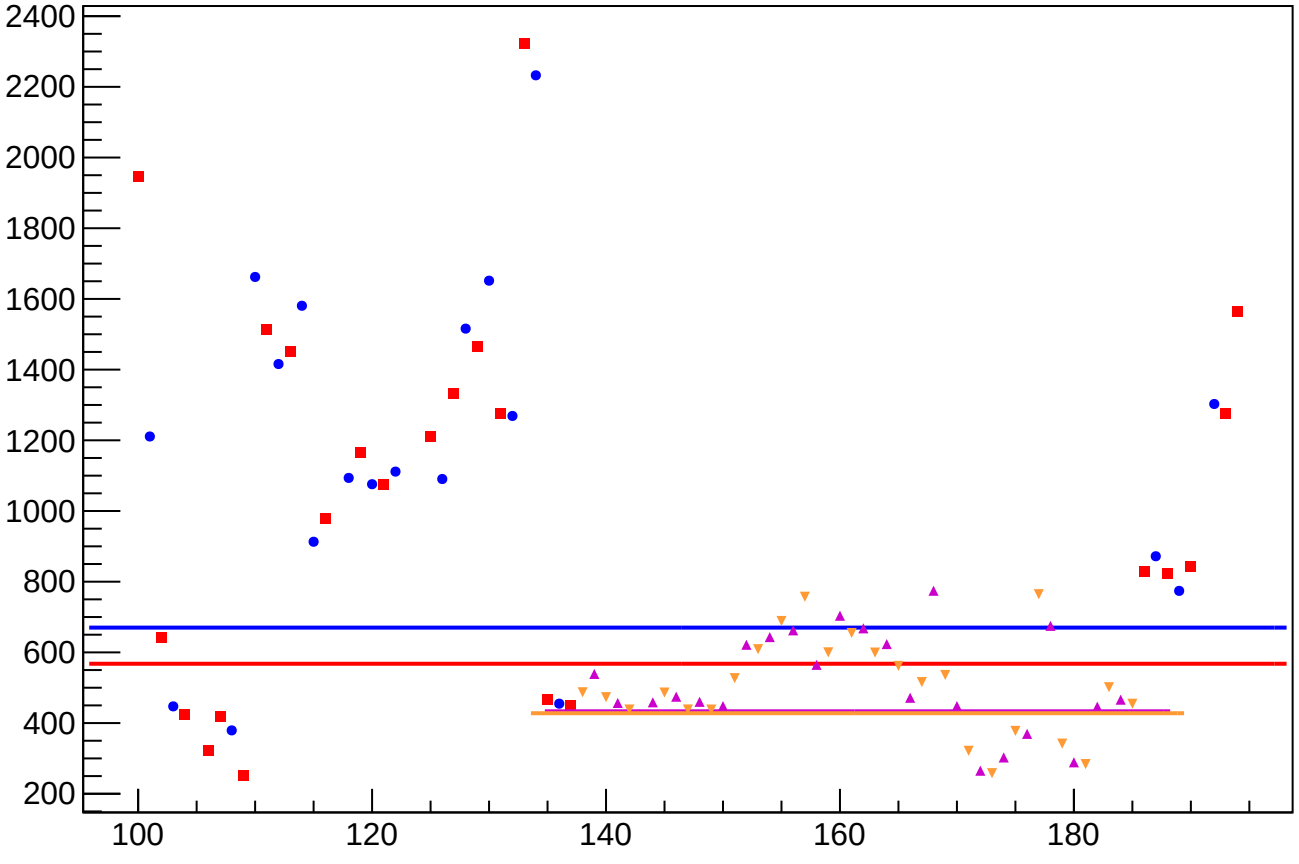
Right Out: 401.806+/-213.188 χ^2/NDF: 15.2/22

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 165.872+/-97.344 χ^2/NDF: 64.5/42

All: 198.632+/-68.213 χ^2/NDF: 92.3/88

- sign 230.237+/-95.613 χ^2/NDF: 27.6/45



Right In: 670.081+/-0.183 χ^2/NDF: 4291034.8/18

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 567.824+/-0.151 χ^2/NDF: 6088333.9/22

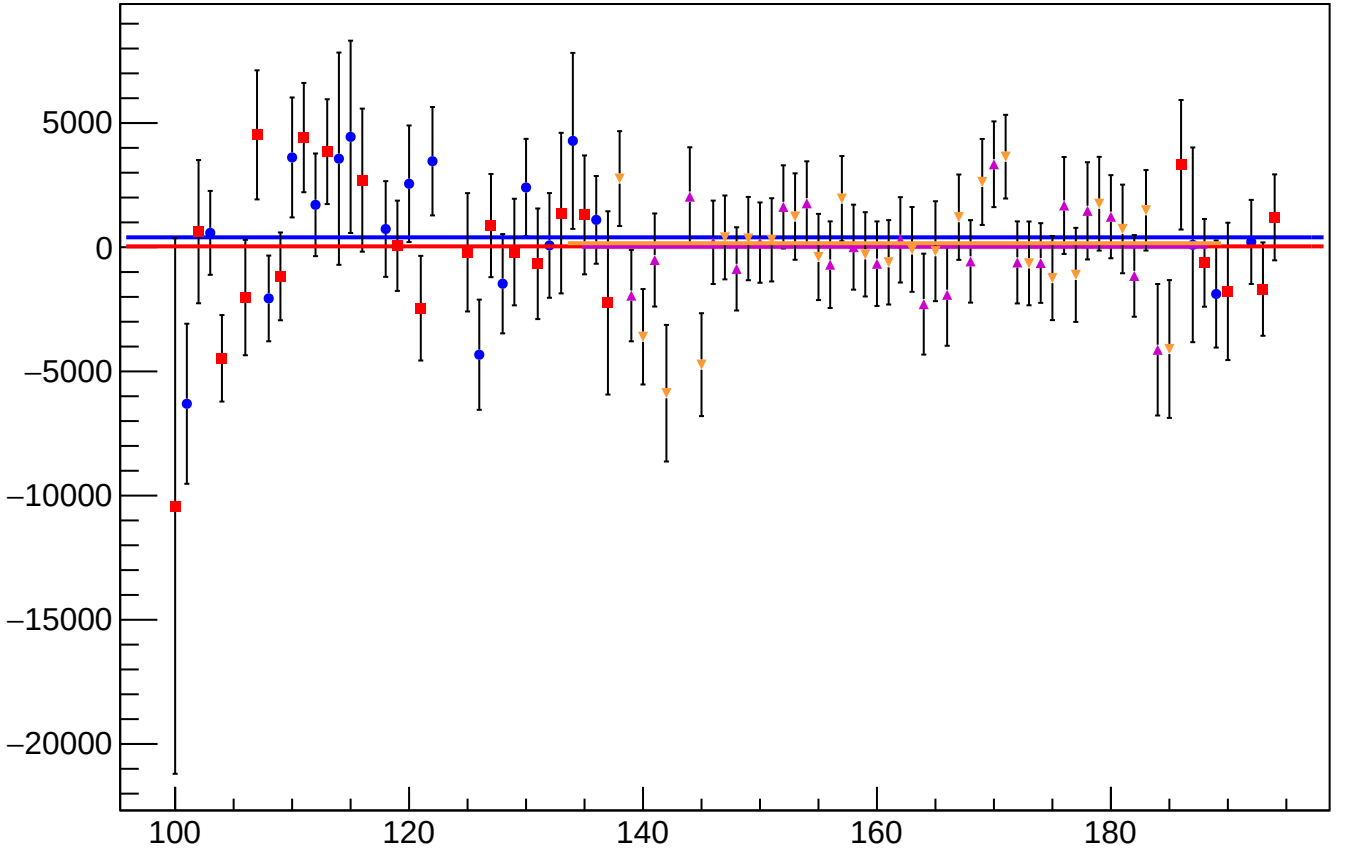
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 462.092+/-0.069 χ^2/NDF: 8984174.0/42

All: 461.204+/-0.048 χ^2/NDF: 18957012.7/88

- sign 460.347+/-0.068 χ^2/NDF: 9972511.5/45

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: 34.640+/-467.359 χ^2/NDF: 26.0/22

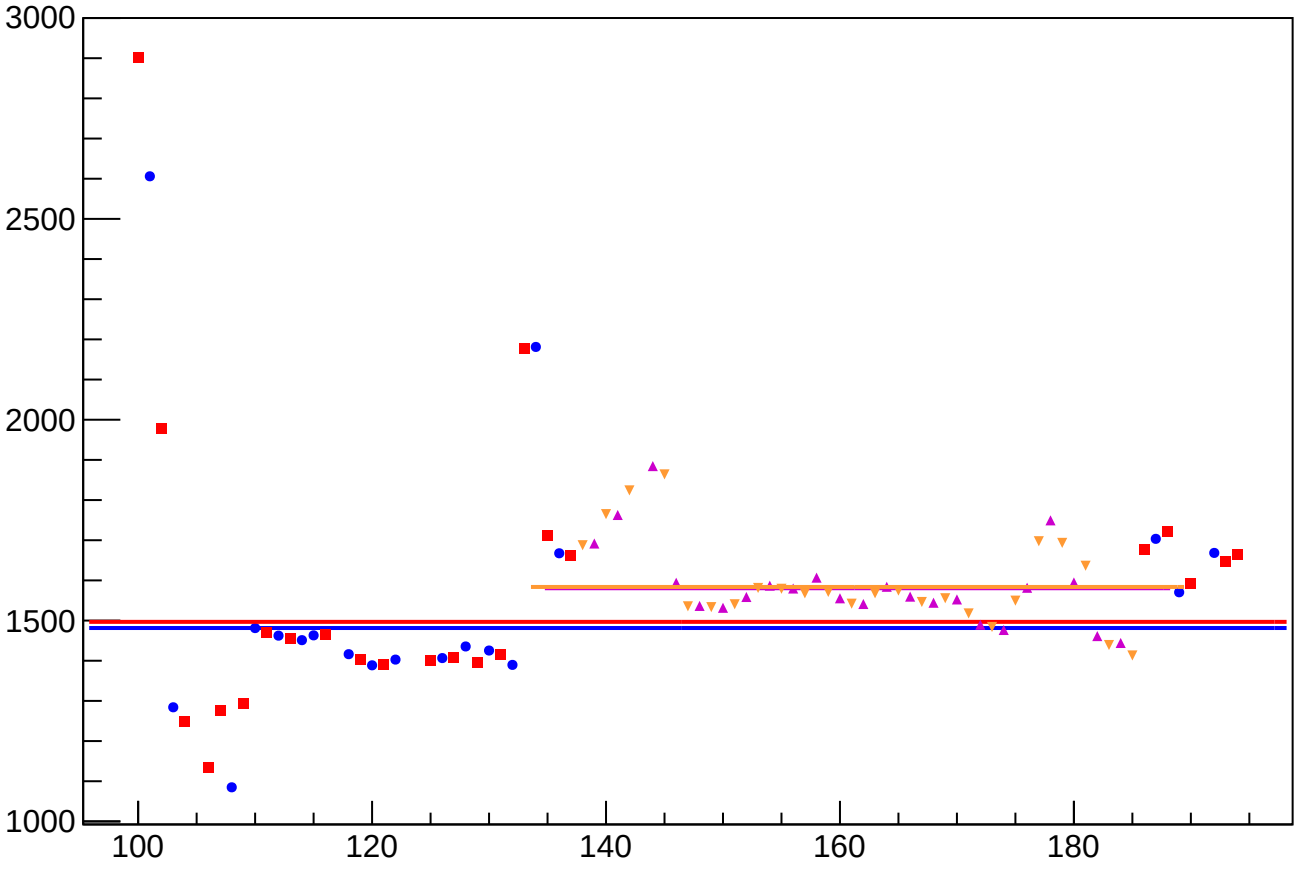
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

\+ sign 244.144+/-297.367 χ^2/NDF: 52.1/42

All: 132.225+/-207.613 χ^2/NDF: 94.3/88

\- sign 25.791+/-289.989 χ^2/NDF: 42.0/45

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

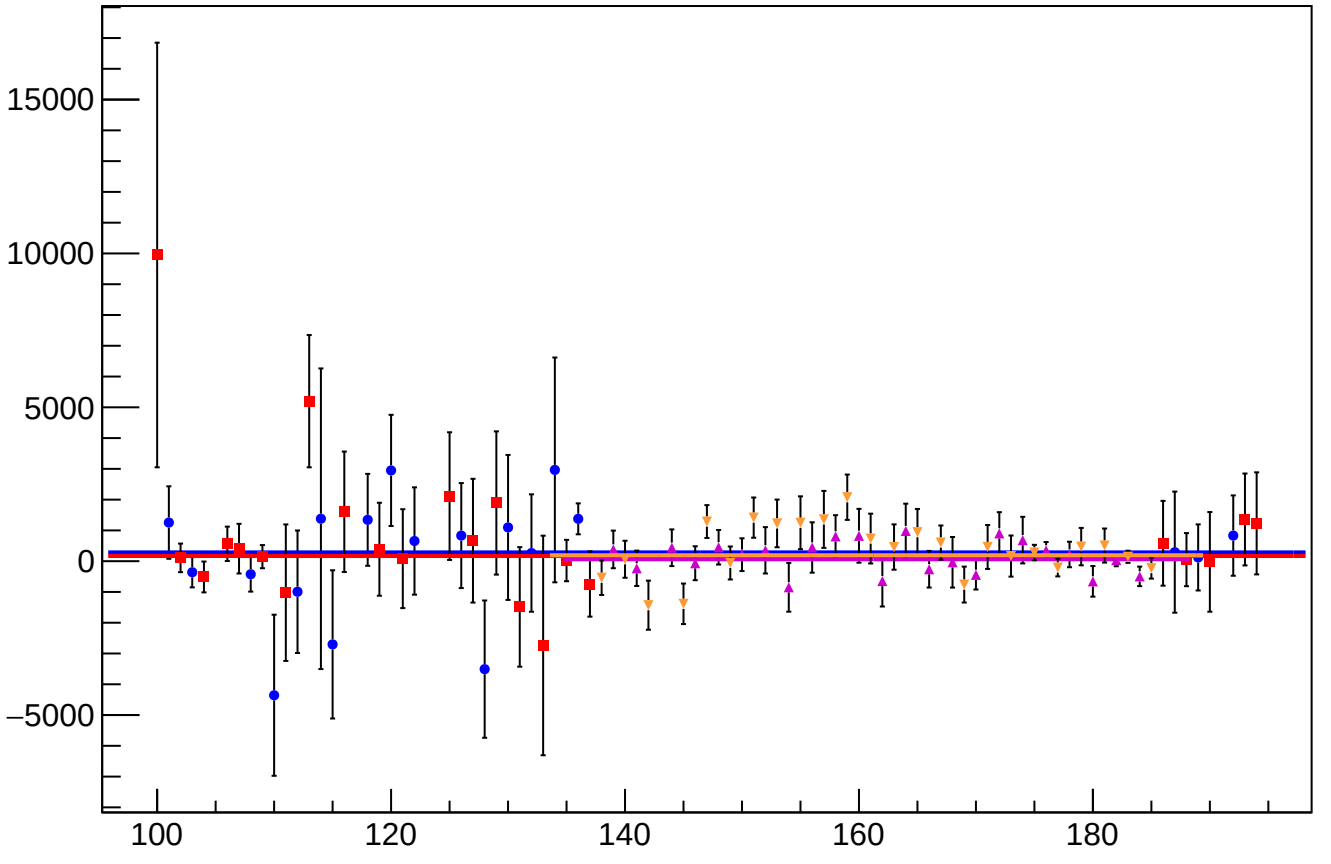
Right Out: 1496.781+/-0.330 χ^2/NDF: 431136.3/22

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1548.061+/-0.210 χ^2/NDF: 715209.5/42

All: 1548.156+/-0.147 χ^2/NDF: 1311526.8/88

- sign 1548.246+/-0.205 χ^2/NDF: 596316.9/45



Right In: 285.671+/-246.600 χ^2/NDF: 20.4/18

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

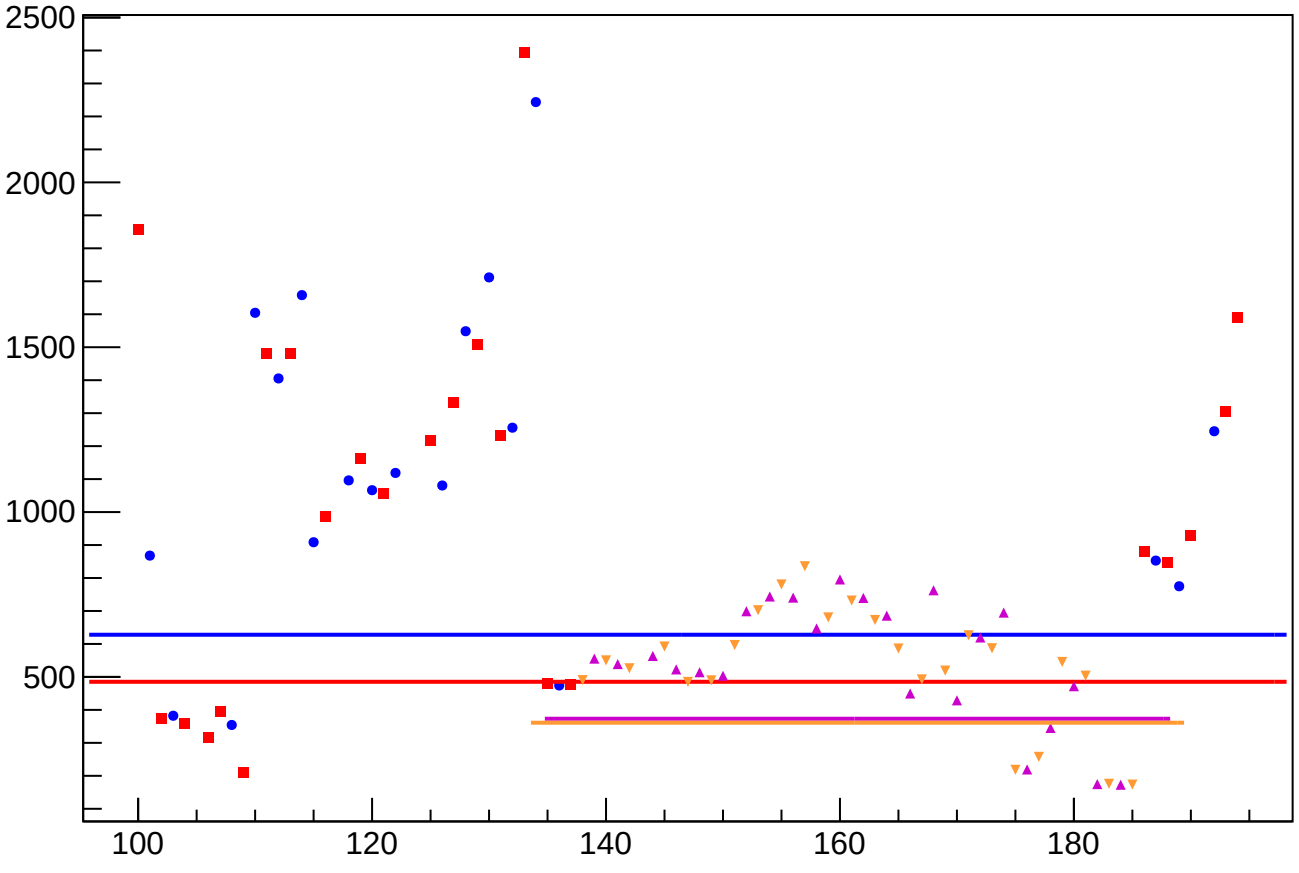
Right Out: 167.383+/-185.337 χ^2/NDF: 15.6/22

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 205.439+/-89.374 χ^2/NDF: 60.6/42

All: 144.566+/-62.638 χ^2/NDF: 94.4/88

- sign 85.799+/-87.814 χ^2/NDF: 32.9/45



Right In: 627.935+/-0.174 χ^2/NDF: 4437061.5/18

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

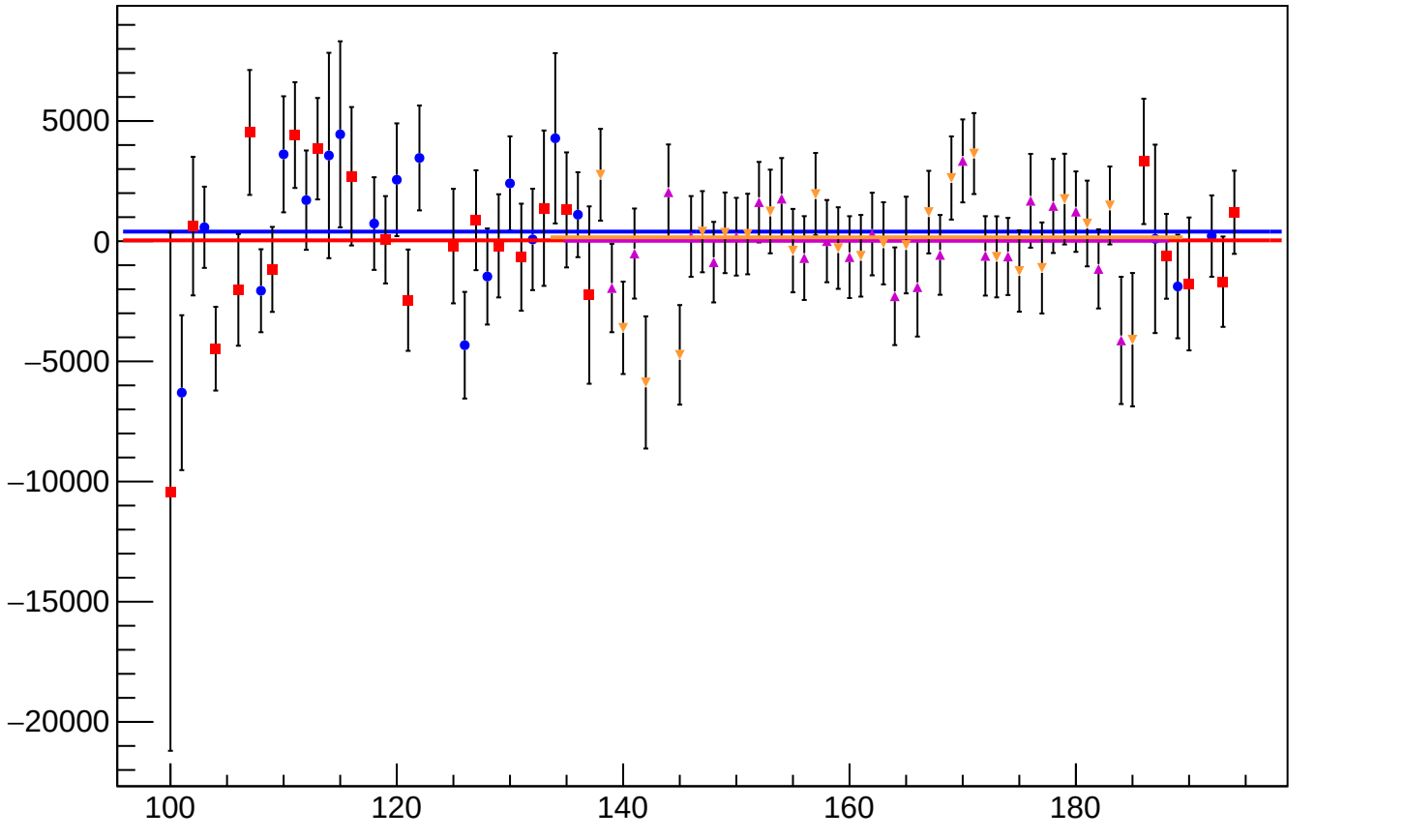
Right Out: 485.243+/-0.131 χ^2/NDF: 7216656.2/22

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 396.149+/-0.063 χ^2/NDF: 14654307.4/42

All: 397.247+/-0.044 χ^2/NDF: 30646354.2/88

- sign 398.306+/-0.062 χ^2/NDF: 15991454.0/45



Right In: 398.591+/-503.847 χ^2/NDF: 22.0/18

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

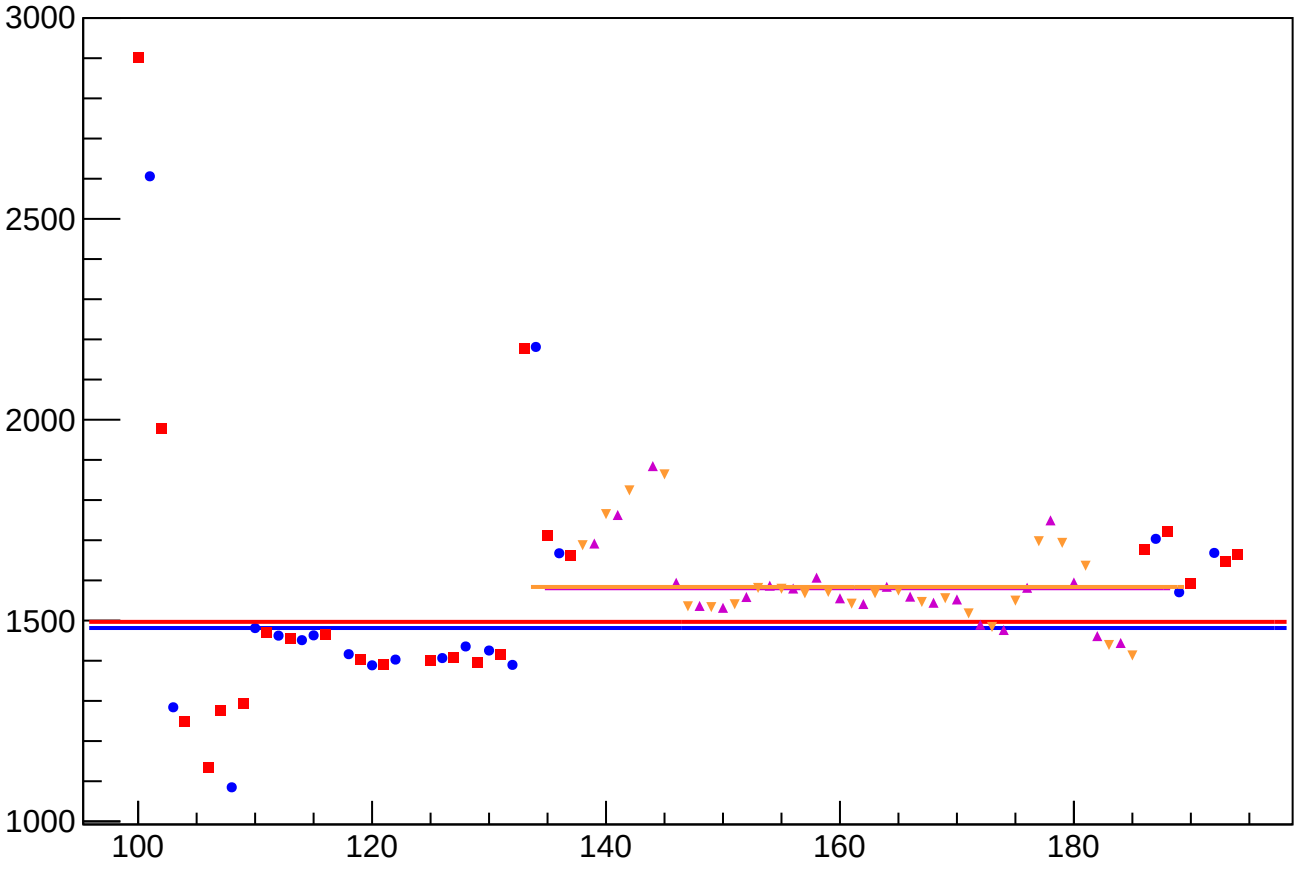
Right Out: 34.639+/-467.359 χ^2/NDF: 26.0/22

Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 244.142+/-297.367 χ^2/NDF: 52.1/42

All: 132.224+/-207.613 χ^2/NDF: 94.3/88

- sign 25.790+/-289.989 χ^2/NDF: 42.0/45



Right In: 1481.436+/-0.356 χ^2/NDF: 527962.8/18

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

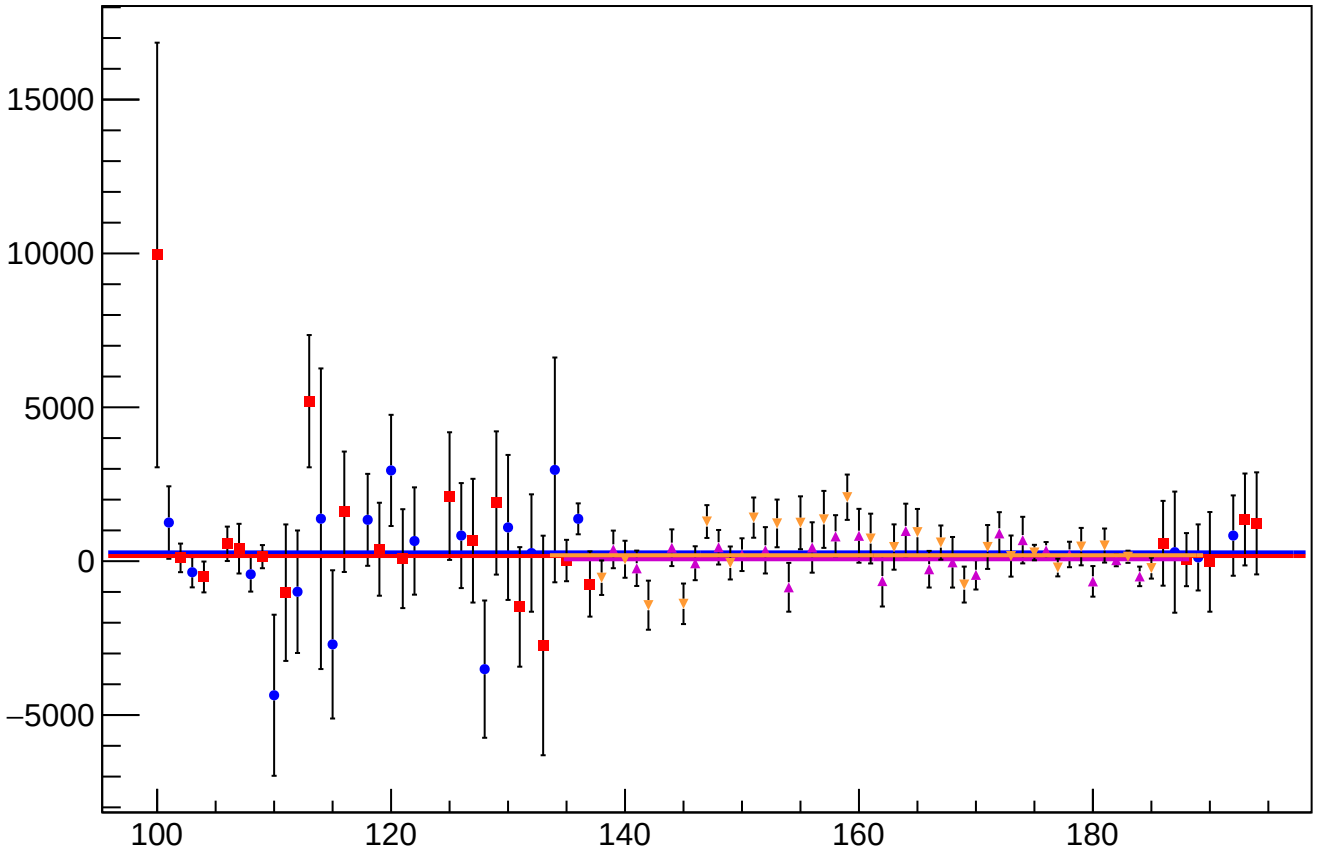
Right Out: 1496.781+/-0.330 χ^2/NDF: 431136.4/22

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1548.061+/-0.210 χ^2/NDF: 715209.0/42

All: 1548.156+/-0.147 χ^2/NDF: 1311526.2/88

- sign 1548.246+/-0.205 χ^2/NDF: 596316.9/45



Right In: 285.664+/-246.599 χ^2/NDF: 20.4/18

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

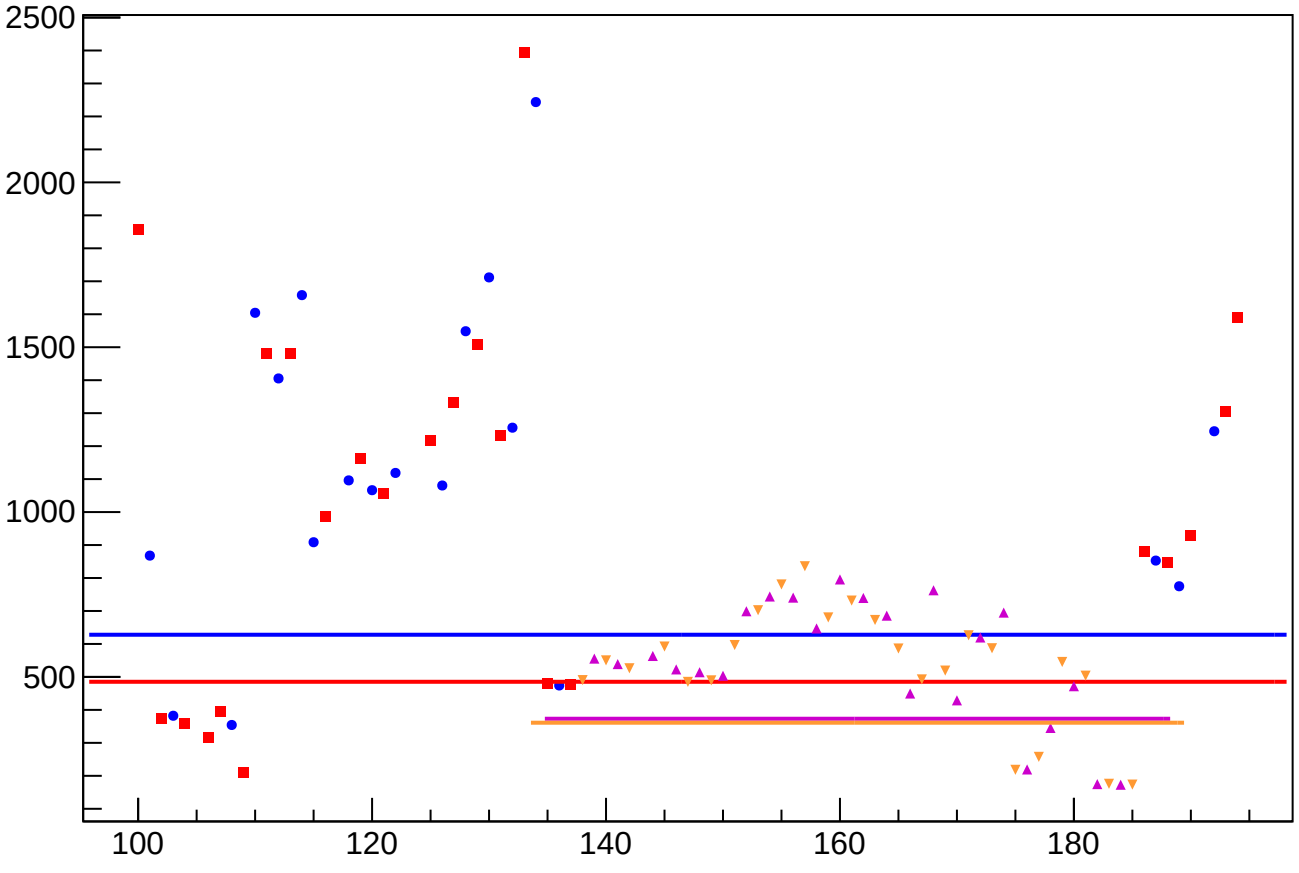
Right Out: 167.380+/-185.339 χ^2/NDF: 15.6/22

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 205.443+/-89.375 χ^2/NDF: 60.6/42

All: 144.567+/-62.639 χ^2/NDF: 94.4/88

- sign 85.797+/-87.815 χ^2/NDF: 32.9/45



Right In: 627.934+/-0.174 χ^2/NDF: 4437086.0/18

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 485.249+/-0.131 χ^2/NDF: 7216547.9/22

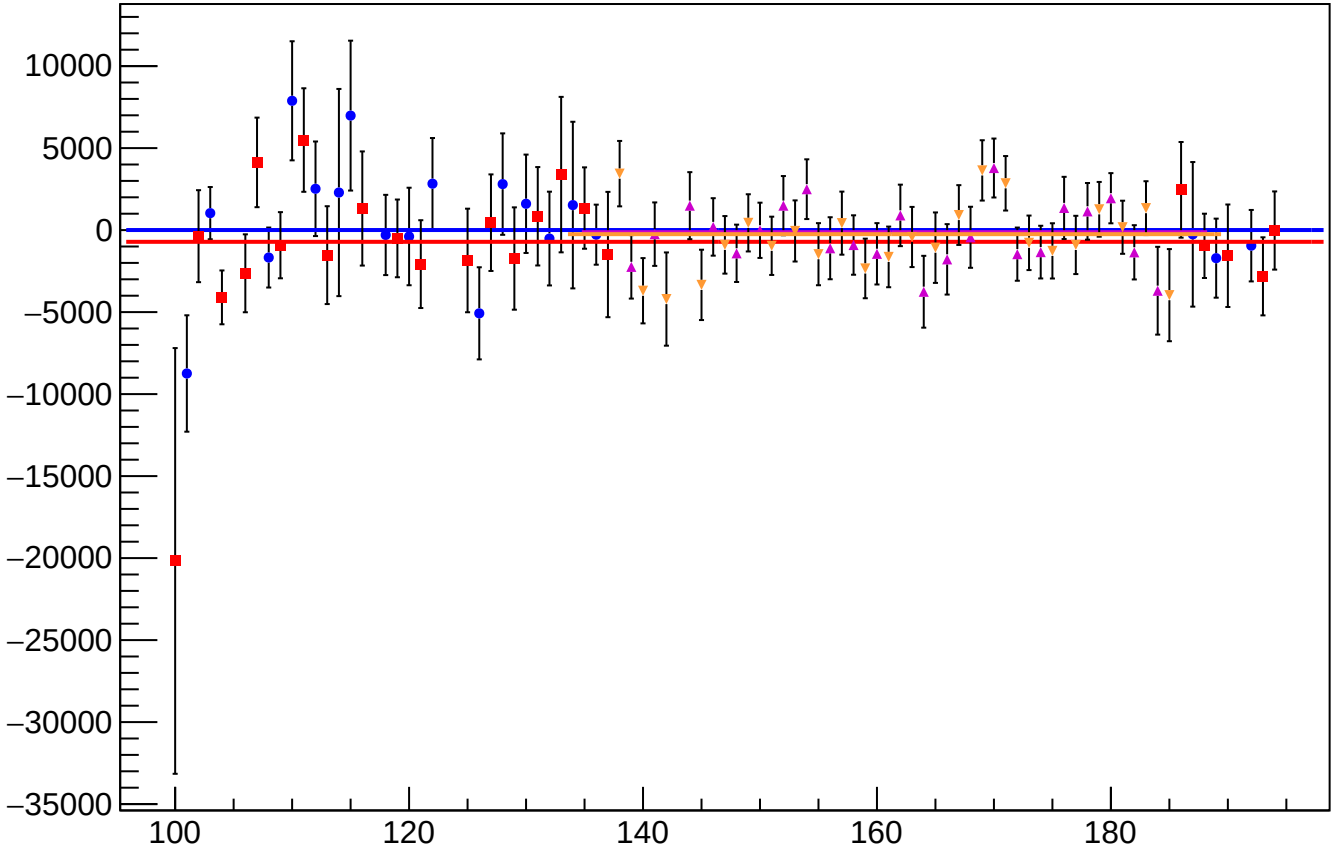
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 396.153+/-0.063 χ^2/NDF: 14654099.0/42

All: 397.251+/-0.044 χ^2/NDF: 30645798.8/88

- sign 398.311+/-0.062 χ^2/NDF: 15991106.2/45

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: -714.216+/-557.986 χ^2/NDF: 19.2/22

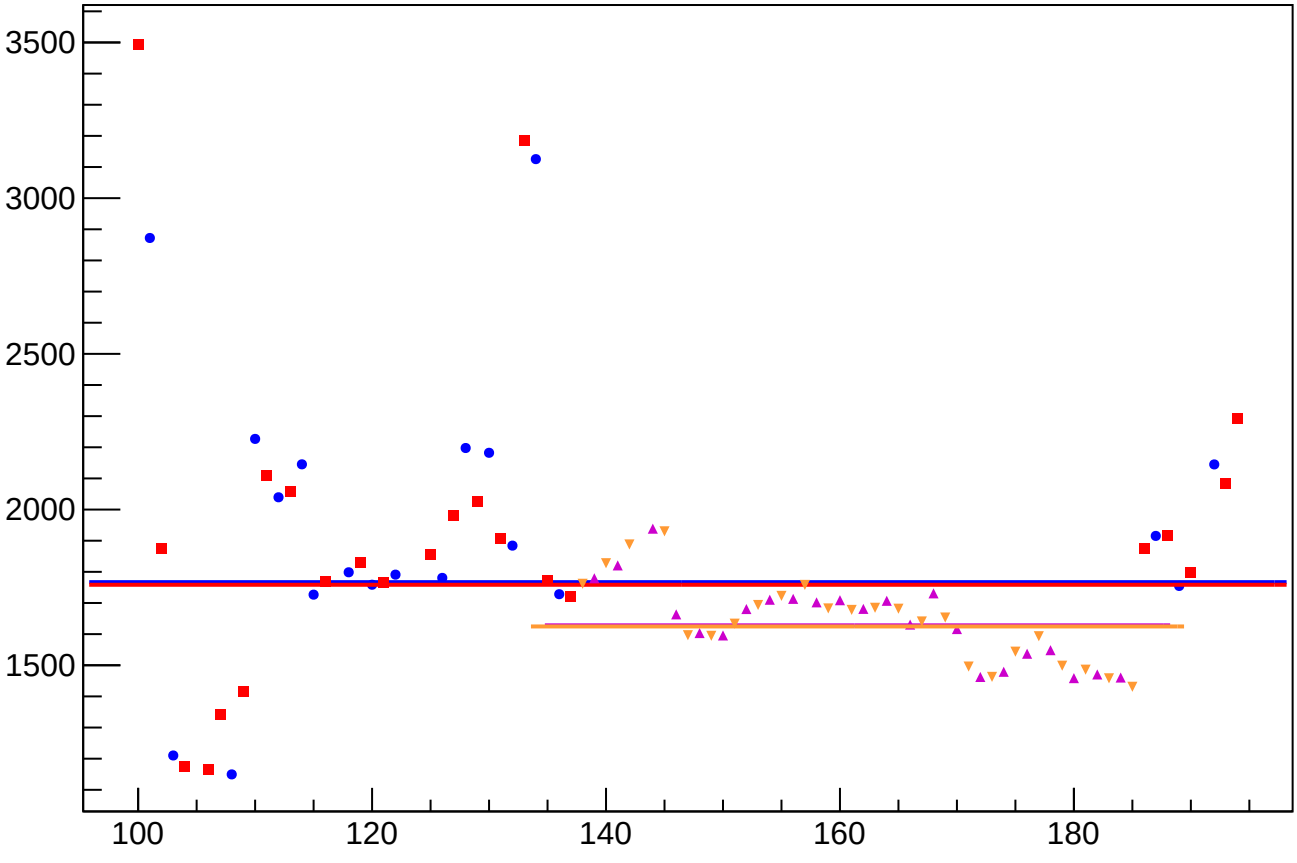
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -177.242+/-321.453 χ^2/NDF: 47.7/42

All: -246.701+/-224.919 χ^2/NDF: 88.9/88

- sign -313.323+/-314.819 χ^2/NDF: 41.1/45

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

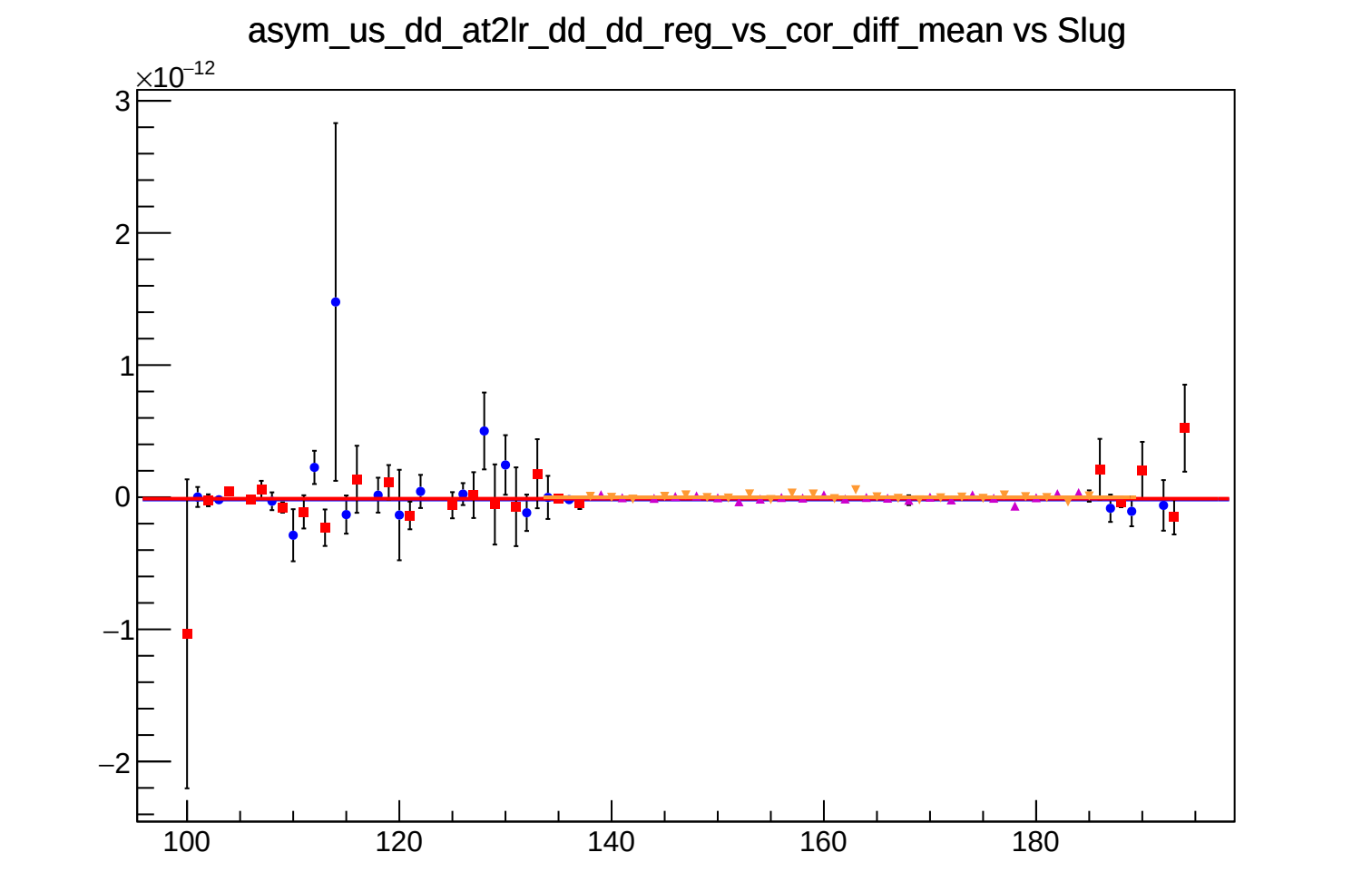
Right Out: 1758.490+/-0.395 χ^2/NDF: 935903.4/22

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1664.115+/-0.227 χ^2/NDF: 1296899.3/42

All: 1666.960+/-0.159 χ^2/NDF: 2512299.2/88

- sign 1669.689+/-0.223 χ^2/NDF: 1215092.9/45



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

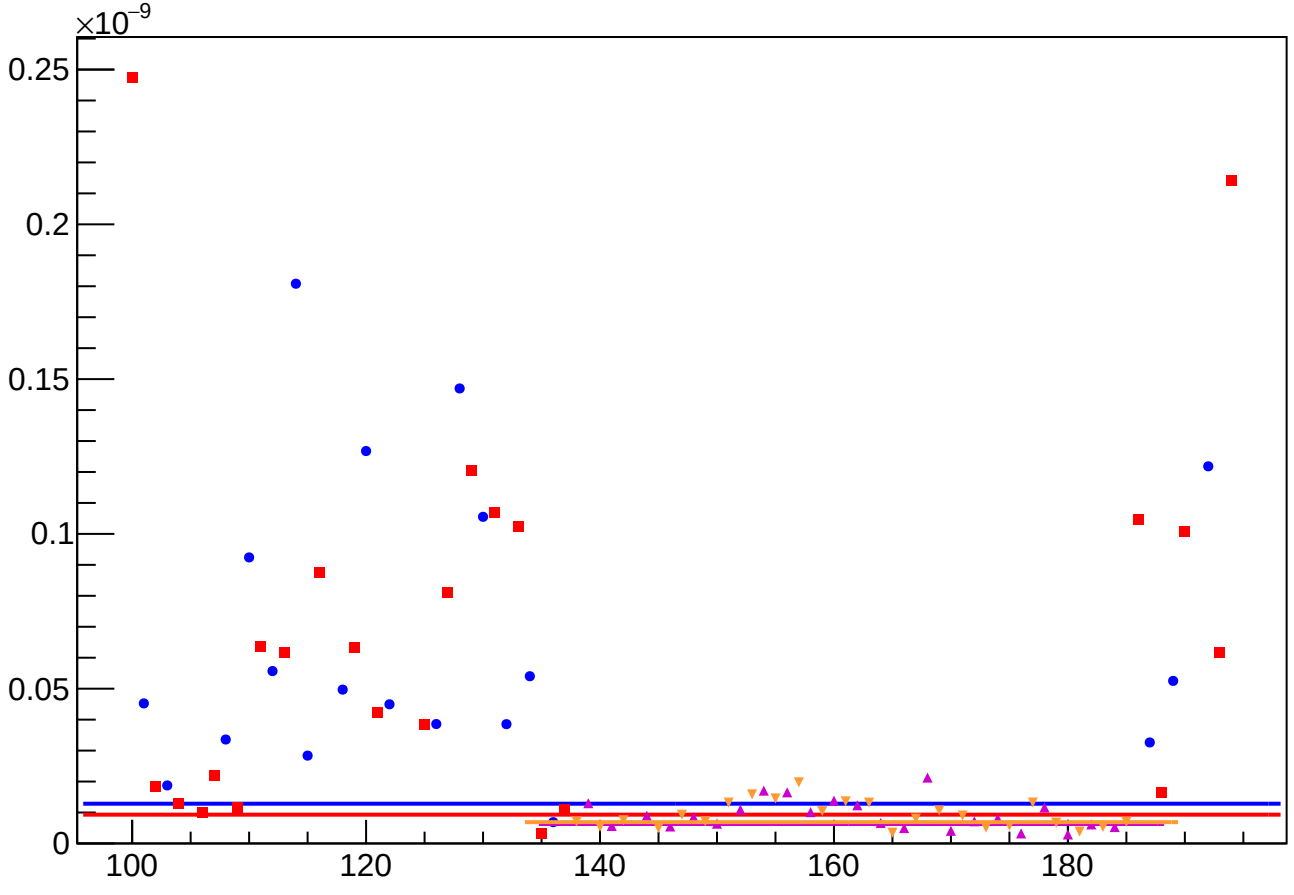
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/22

Left In: -0.000+/-0.000 χ^2/NDF:24.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.6/42

All: -0.000+/-0.000 χ^2/NDF: 87.6/88

- sign -0.000+/-0.000 χ^2/NDF: 48.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 4407001.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

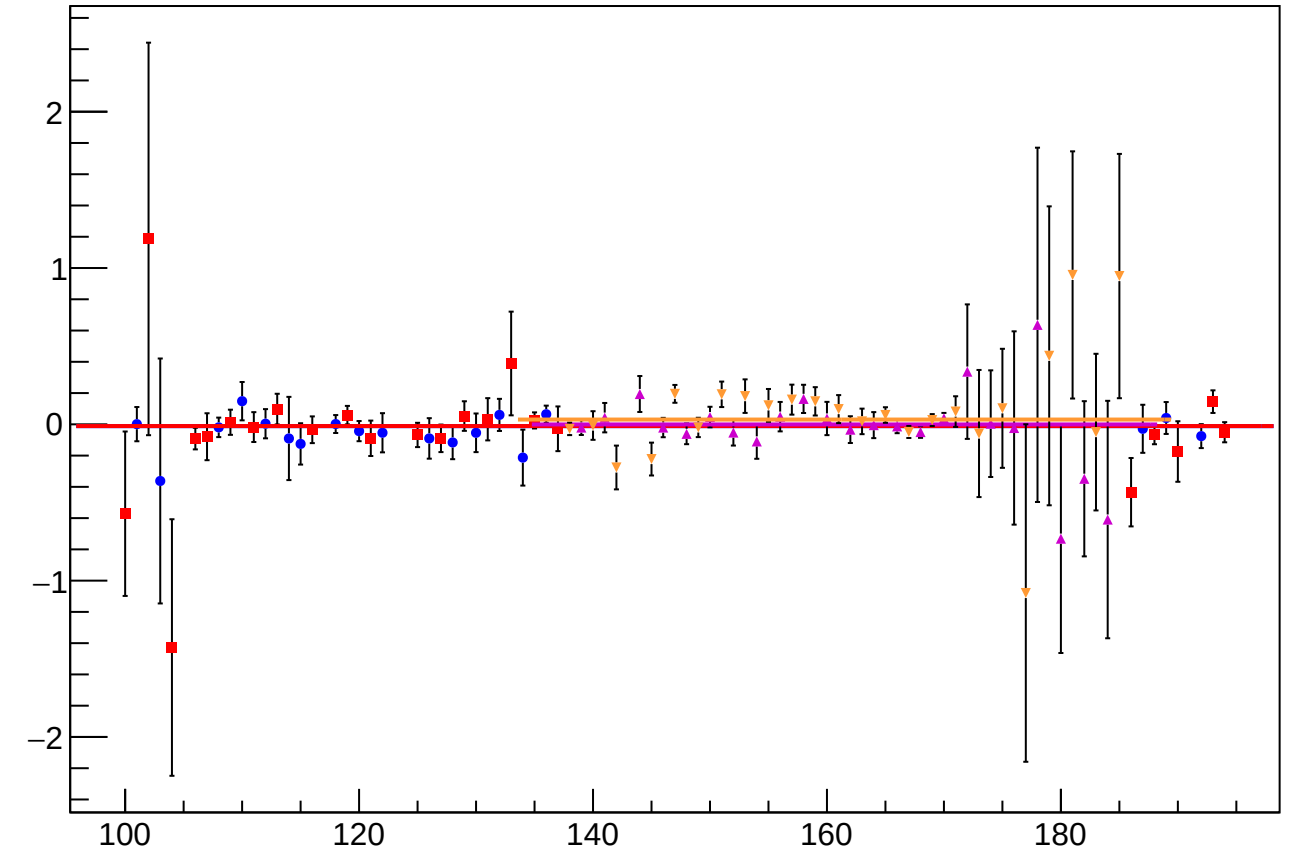
Right Out: 0.000+/-0.000 χ^2/NDF: 5411209.8/22

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7299022.8/42

All: 0.000+/-0.000 χ^2/NDF: 15908783.9/88

- sign 0.000+/-0.000 χ^2/NDF: 8530861.9/45



Right In: -0.012+/-0.021 χ^2/NDF: 9.3/18

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: -0.011+/-0.019 χ^2/NDF: 24.0/22

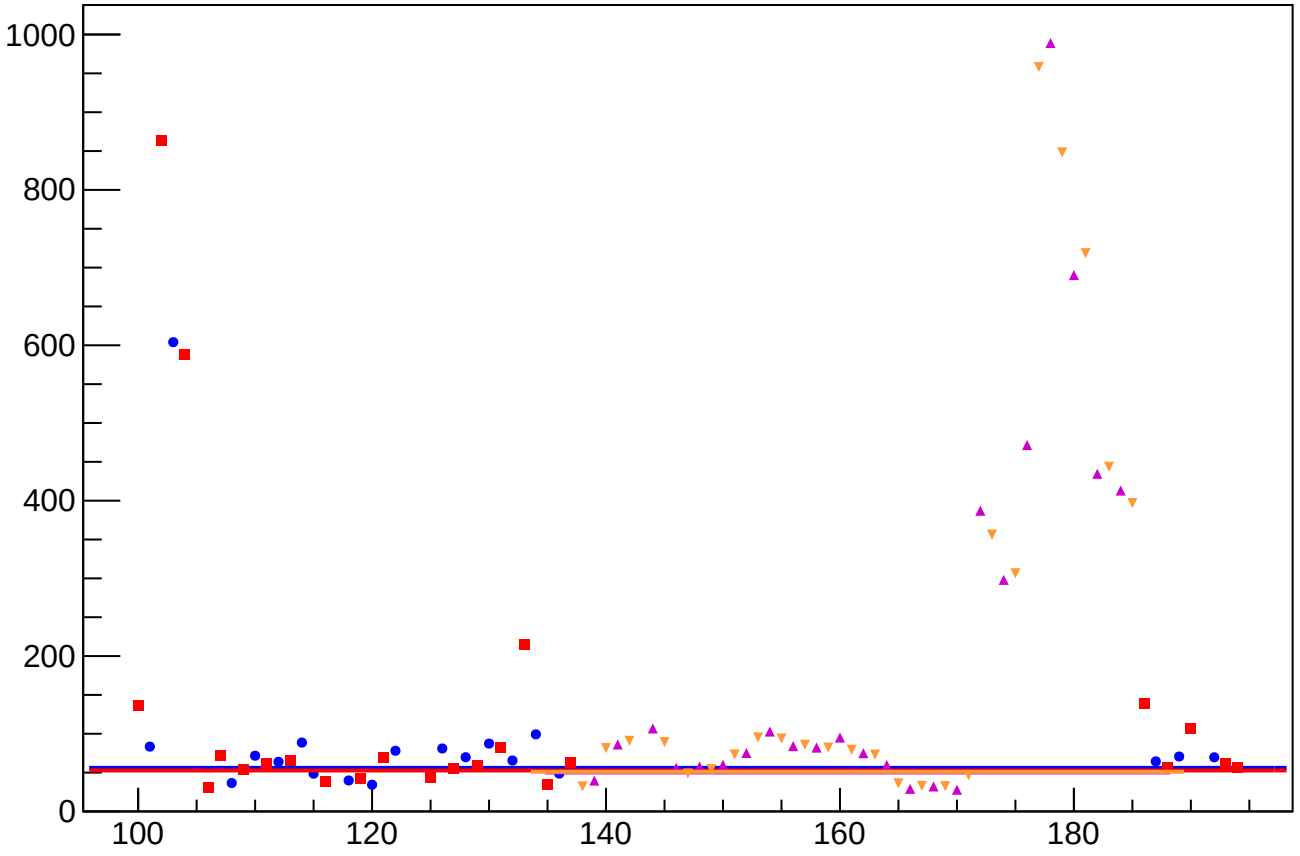
Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.4/42

All: 0.005+/-0.009 χ^2/NDF: 95.1/88

- sign -0.005+/-0.012 χ^2/NDF: 40.2/45

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

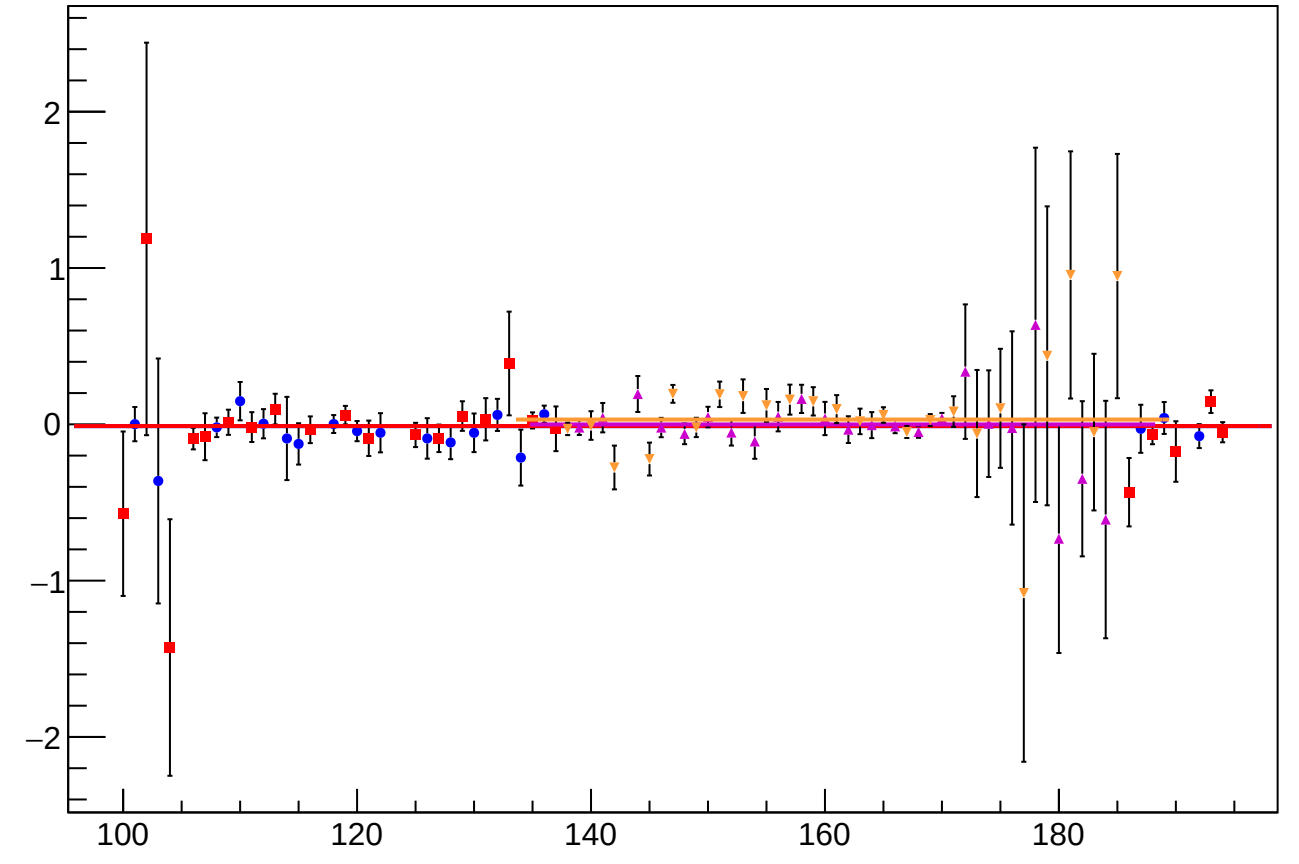
Right Out: 52.759+/-0.013 χ^2/NDF: 3568851.6/22

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 52.803+/-0.009 χ^2/NDF: 14150695.0/42

All: 51.978+/-0.006 χ^2/NDF: 29952948.8/88

\- sign 51.236+/-0.008 χ^2/NDF: 15785813.0/45



Right In: -0.012+/-0.021 χ^2/NDF: 9.3/18

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

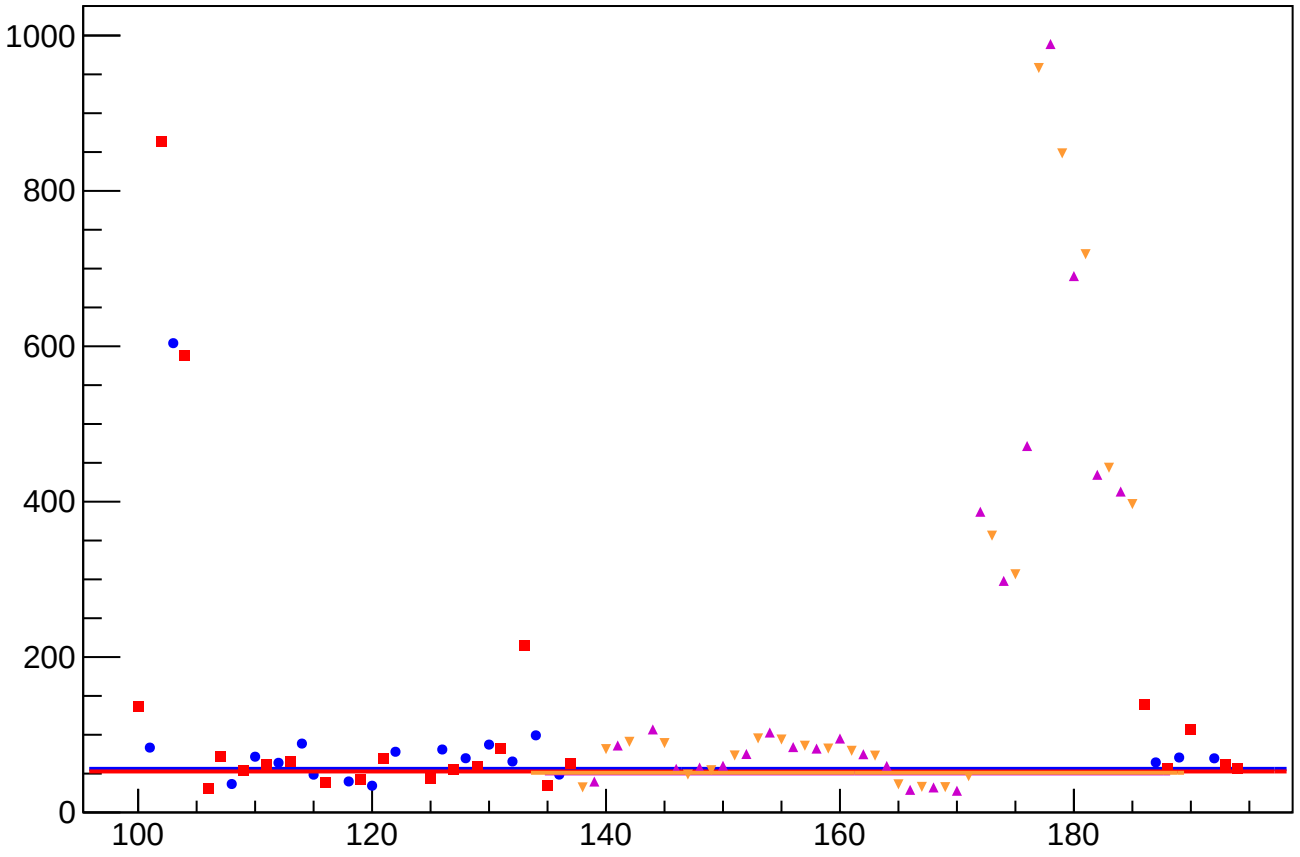
Right Out: -0.011+/-0.019 χ^2/NDF: 24.0/22

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.4/42

All: 0.005+/-0.009 χ^2/NDF: 95.1/88

- sign -0.005+/-0.012 χ^2/NDF: 40.2/45



Right In: 56.100+/-0.015 χ^2/NDF: 2341855.4/18

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

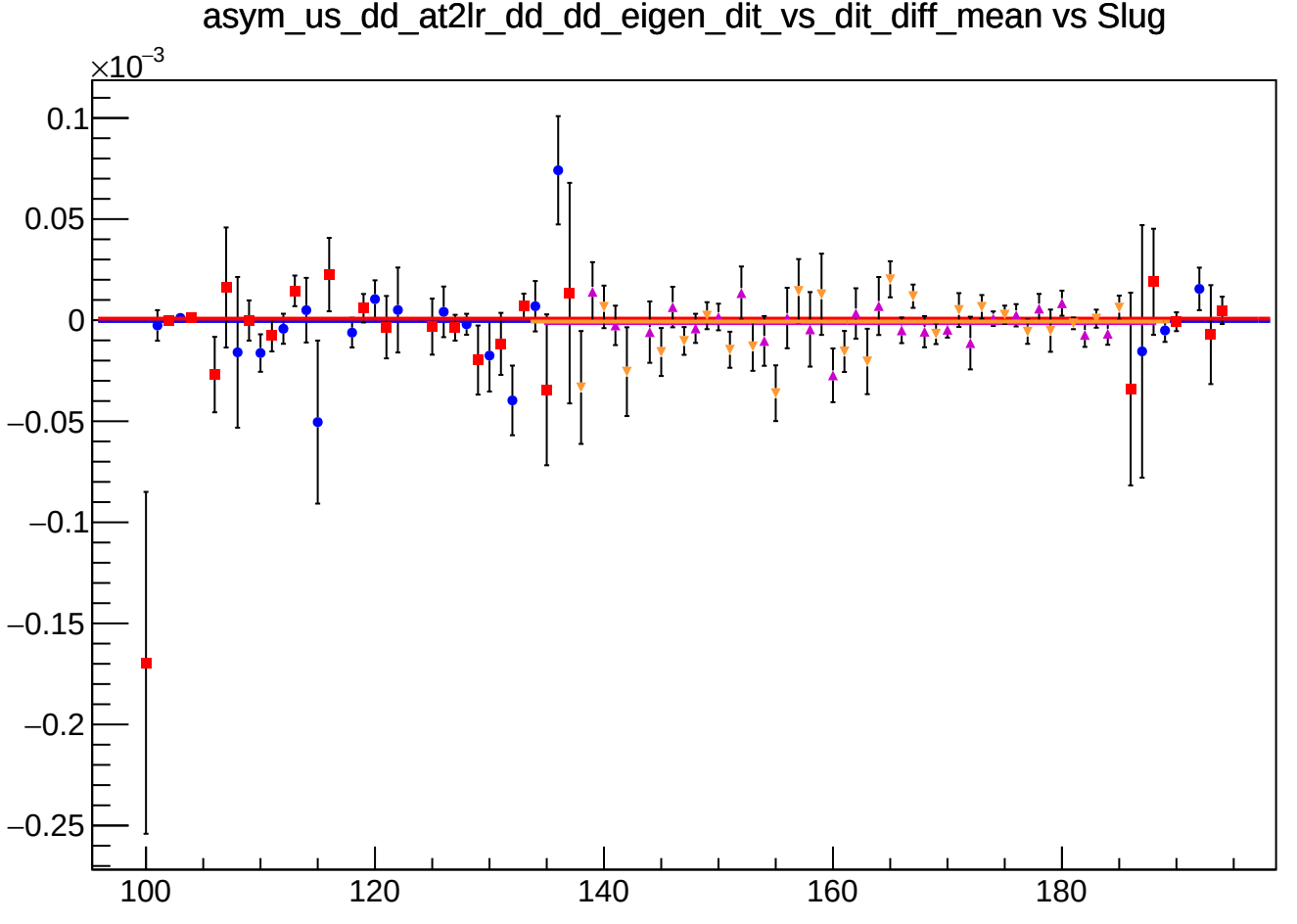
Right Out: 52.759+/-0.013 χ^2/NDF: 3568851.6/22

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 52.803+/-0.009 χ^2/NDF: 14150695.0/42

All: 51.978+/-0.006 χ^2/NDF: 29952948.8/88

- sign 51.236+/-0.008 χ^2/NDF: 15785813.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

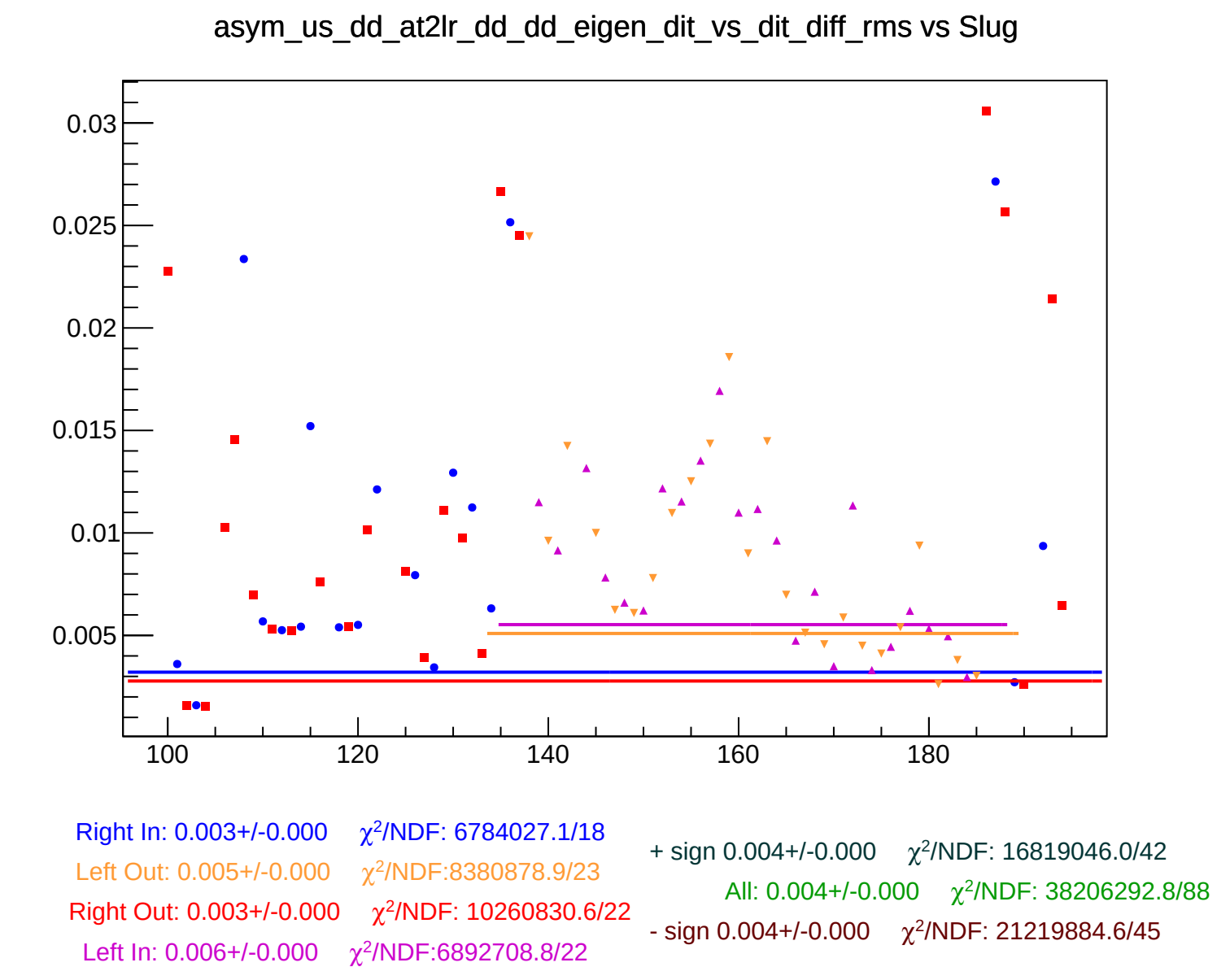
Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/22

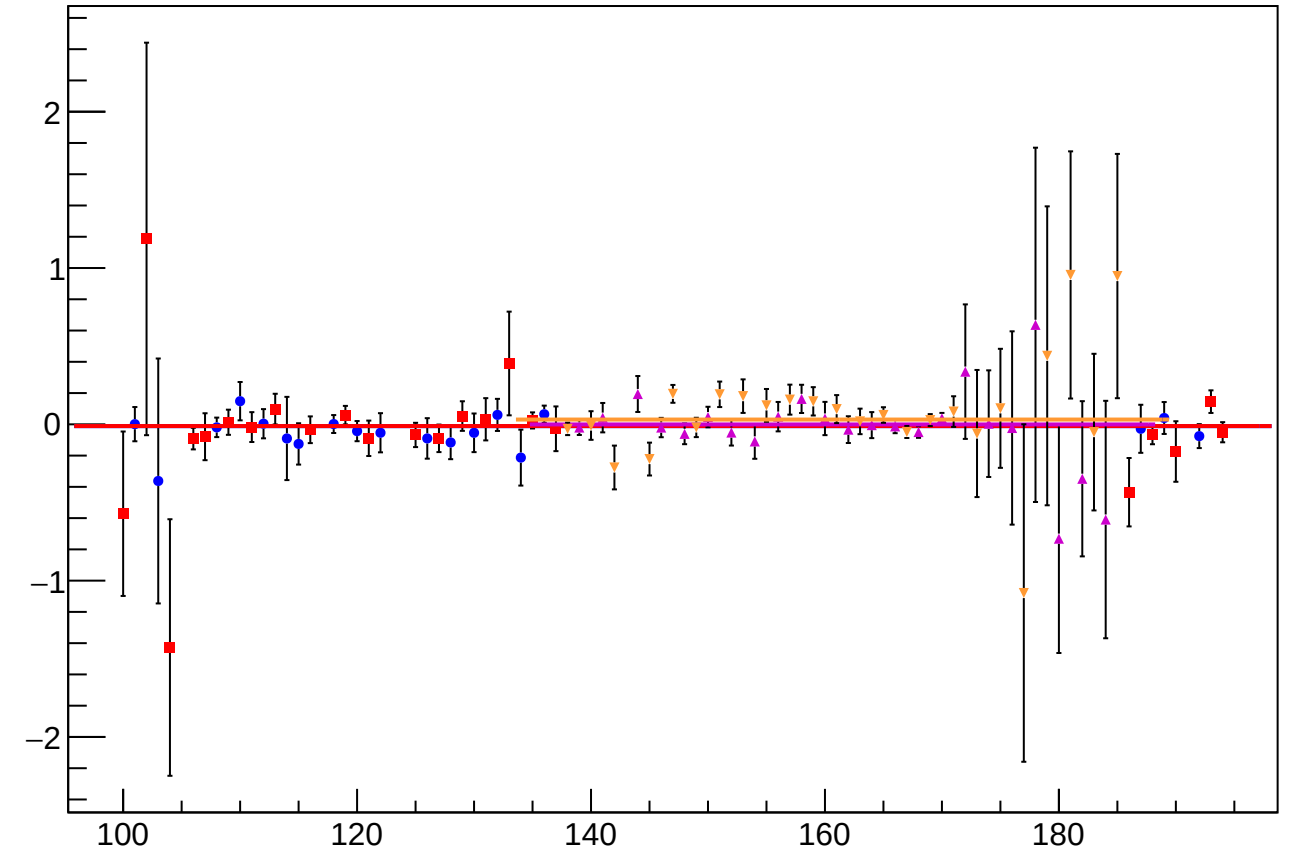
Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.6/42

All: -0.000+/-0.000 χ^2/NDF: 100.9/88

- sign -0.000+/-0.000 χ^2/NDF: 37.2/45


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: 10260830.6/22
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: 38206292.8/88
- sign 0.004+/-0.000 χ²/NDF: 21219884.6/45



Right In: -0.012+/-0.021 χ^2/NDF: 9.3/18

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

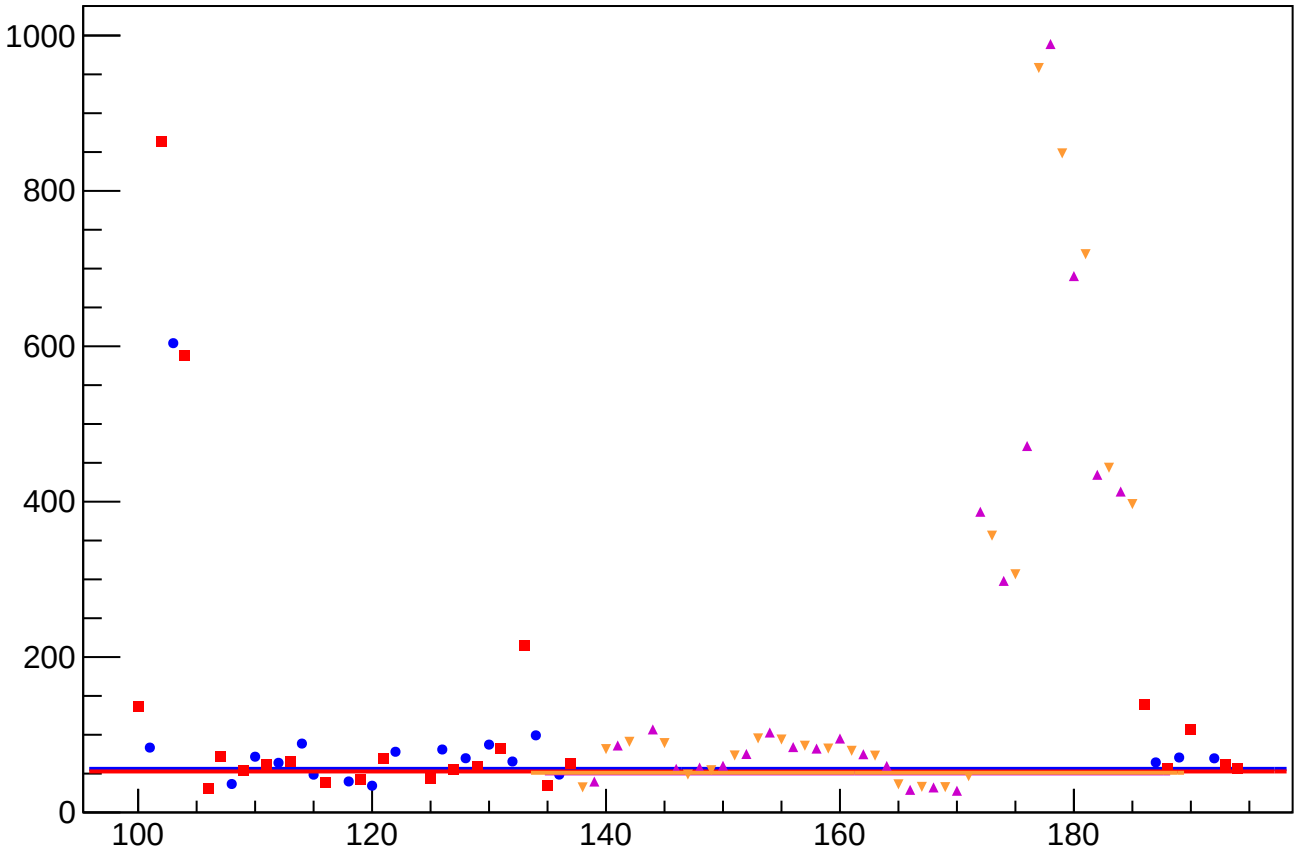
Right Out: -0.011+/-0.019 χ^2/NDF: 24.0/22

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.4/42

All: 0.005+/-0.009 χ^2/NDF: 95.1/88

- sign -0.005+/-0.012 χ^2/NDF: 40.2/45



Right In: 56.103+/-0.015 χ^2/NDF: 2341399.3/18

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 52.761+/-0.013 χ^2/NDF: 3568521.9/22

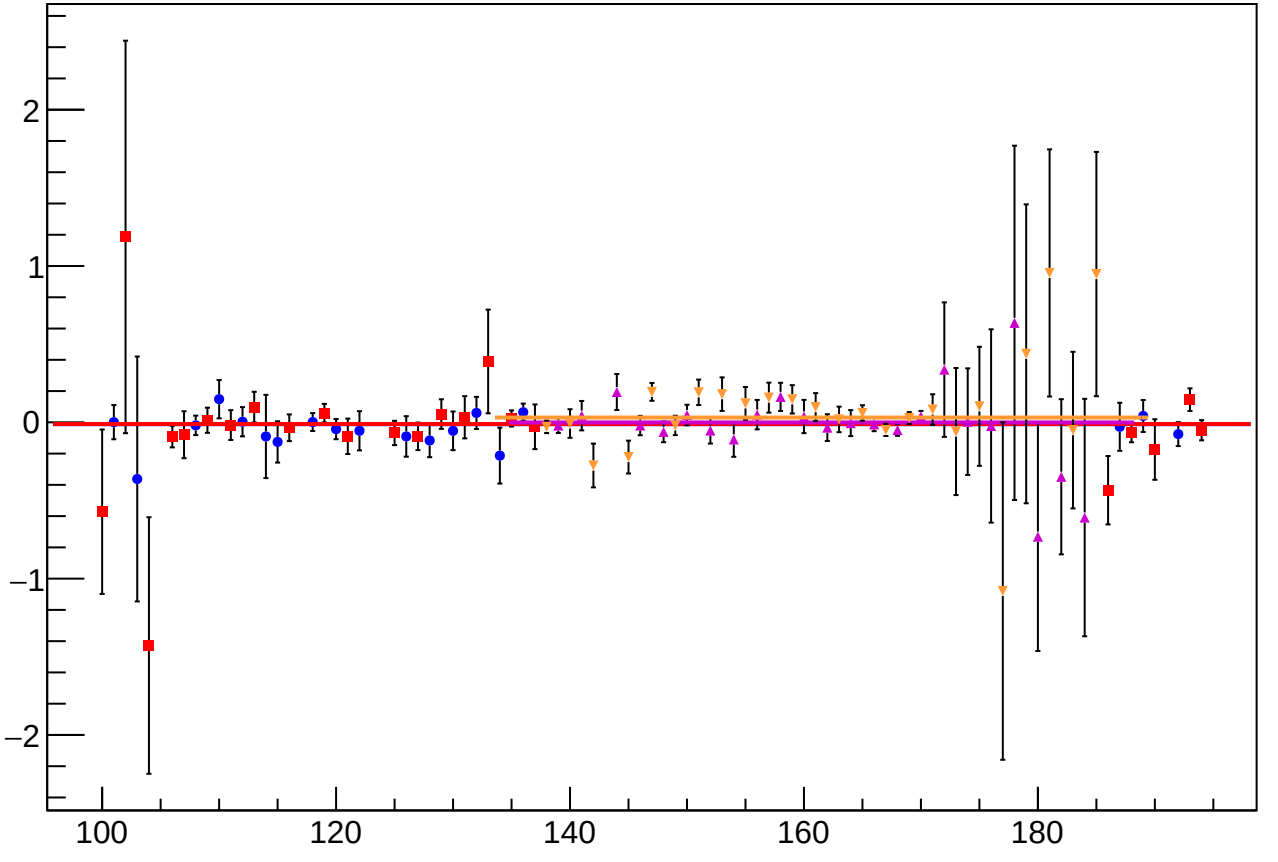
Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 52.805+/-0.009 χ^2/NDF: 14149419.7/42

All: 51.979+/-0.006 χ^2/NDF: 29951354.8/88

\- sign 51.237+/-0.008 χ^2/NDF: 15785456.0/45

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

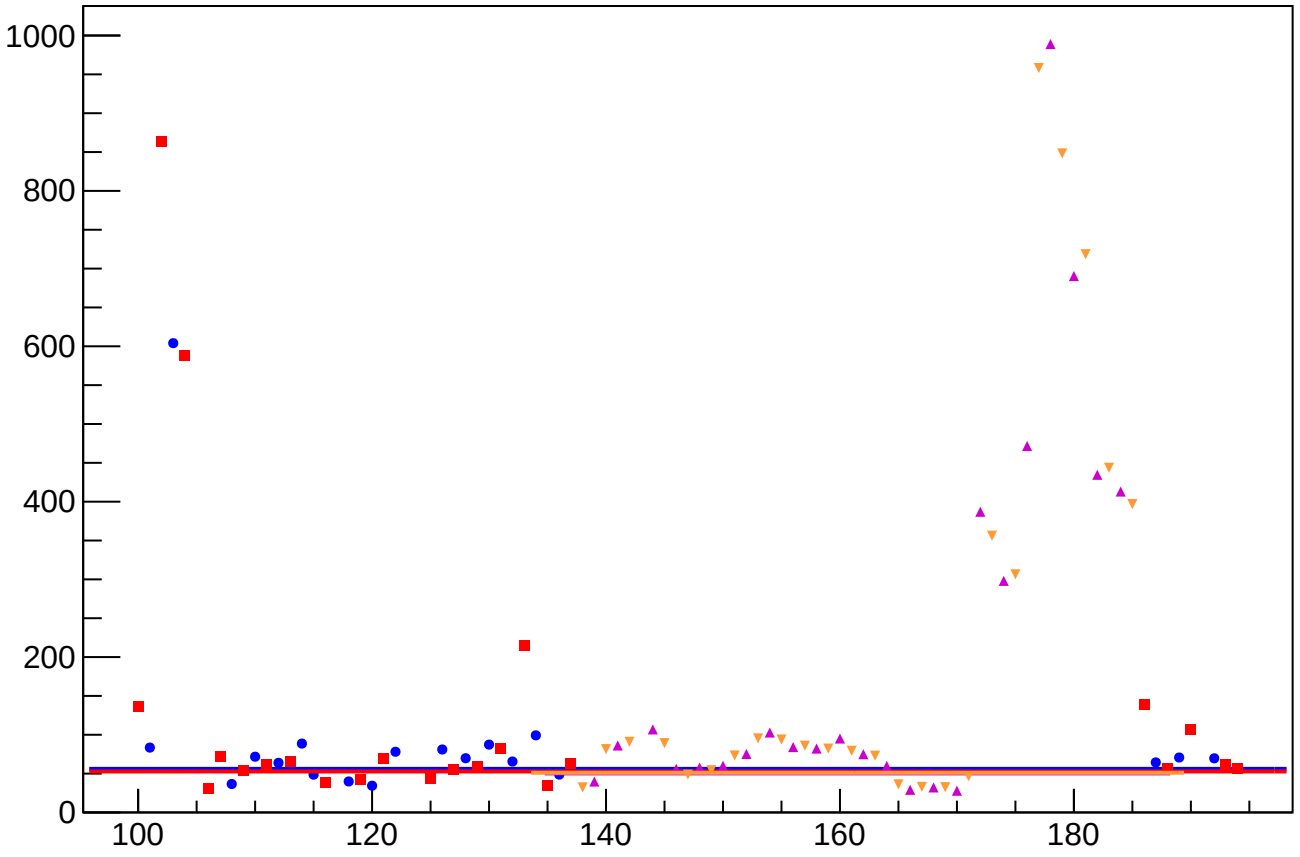
Right Out: -0.011+/-0.019 χ^2/NDF: 24.0/22

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.013 χ^2/NDF: 53.4/42

All: 0.005+/-0.009 χ^2/NDF: 95.1/88

- sign -0.005+/-0.012 χ^2/NDF: 40.2/45



Right In: 56.103+/-0.015 χ^2/NDF: 2341399.3/18

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

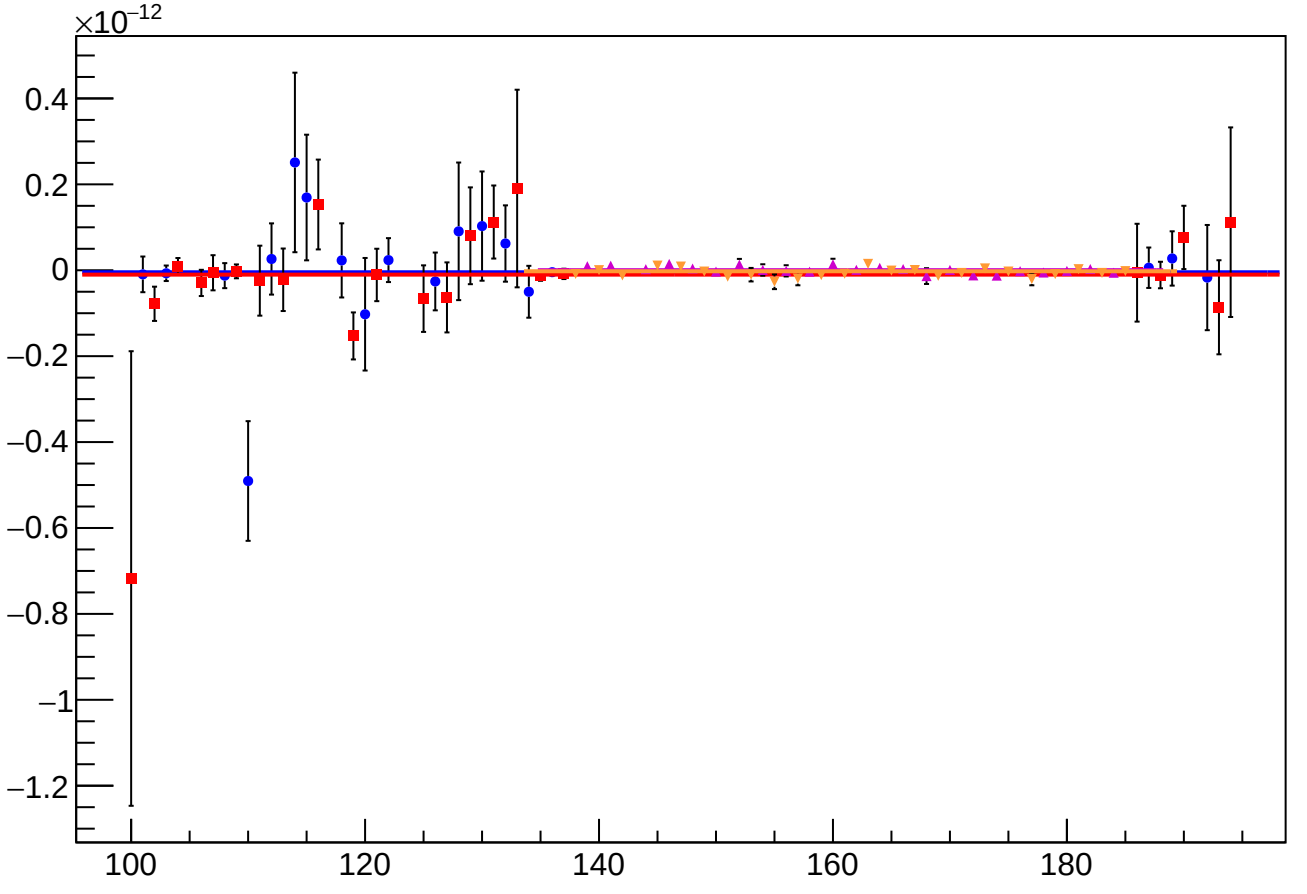
Right Out: 52.761+/-0.013 χ^2/NDF: 3568521.9/22

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 52.805+/-0.009 χ^2/NDF: 14149419.7/42

All: 51.979+/-0.006 χ^2/NDF: 29951354.8/88

\- sign 51.237+/-0.008 χ^2/NDF: 15785456.0/45



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

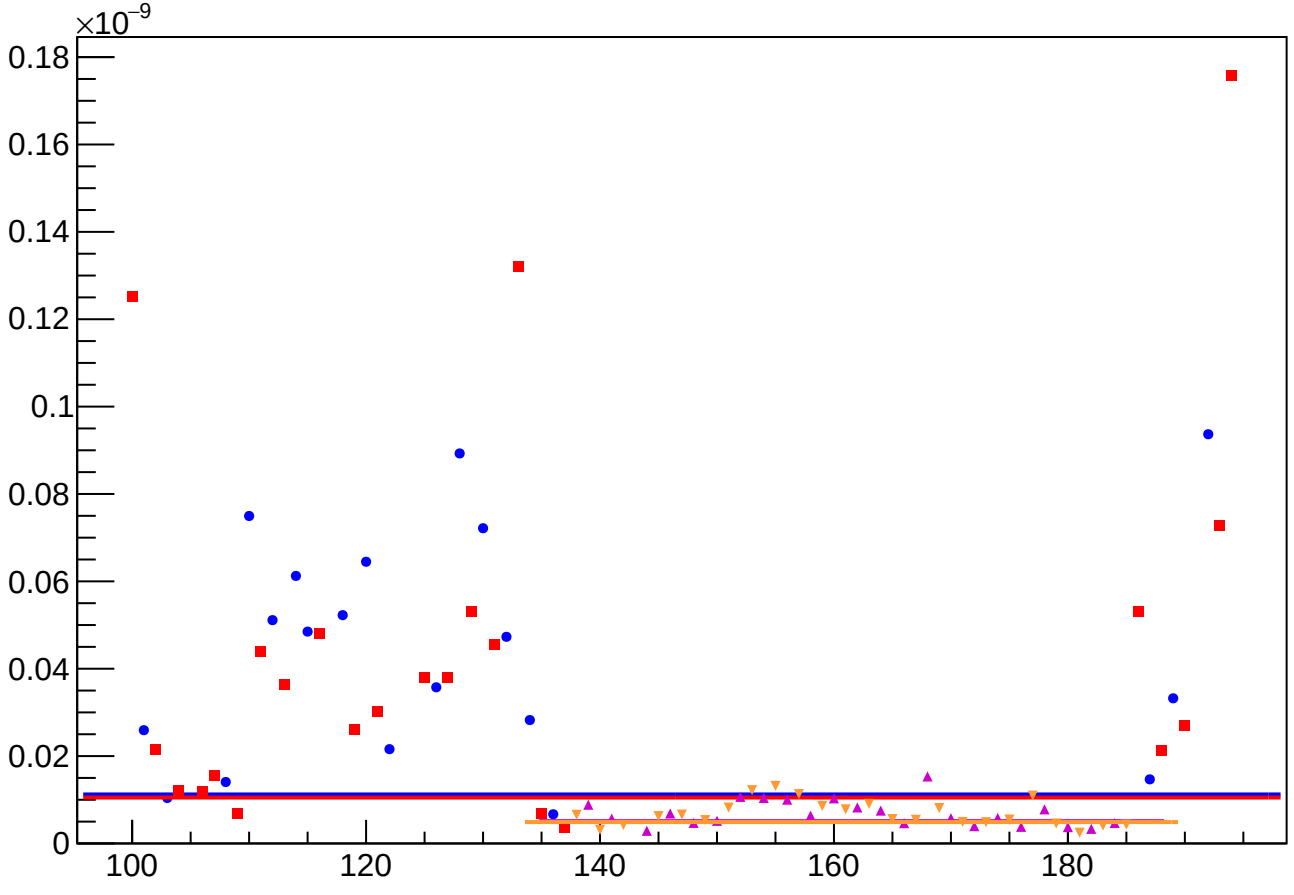
Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/22

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.2/42

All: -0.000+/-0.000 χ^2/NDF: 85.3/88

- sign -0.000+/-0.000 χ^2/NDF: 43.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 5731706.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6474085.3/22

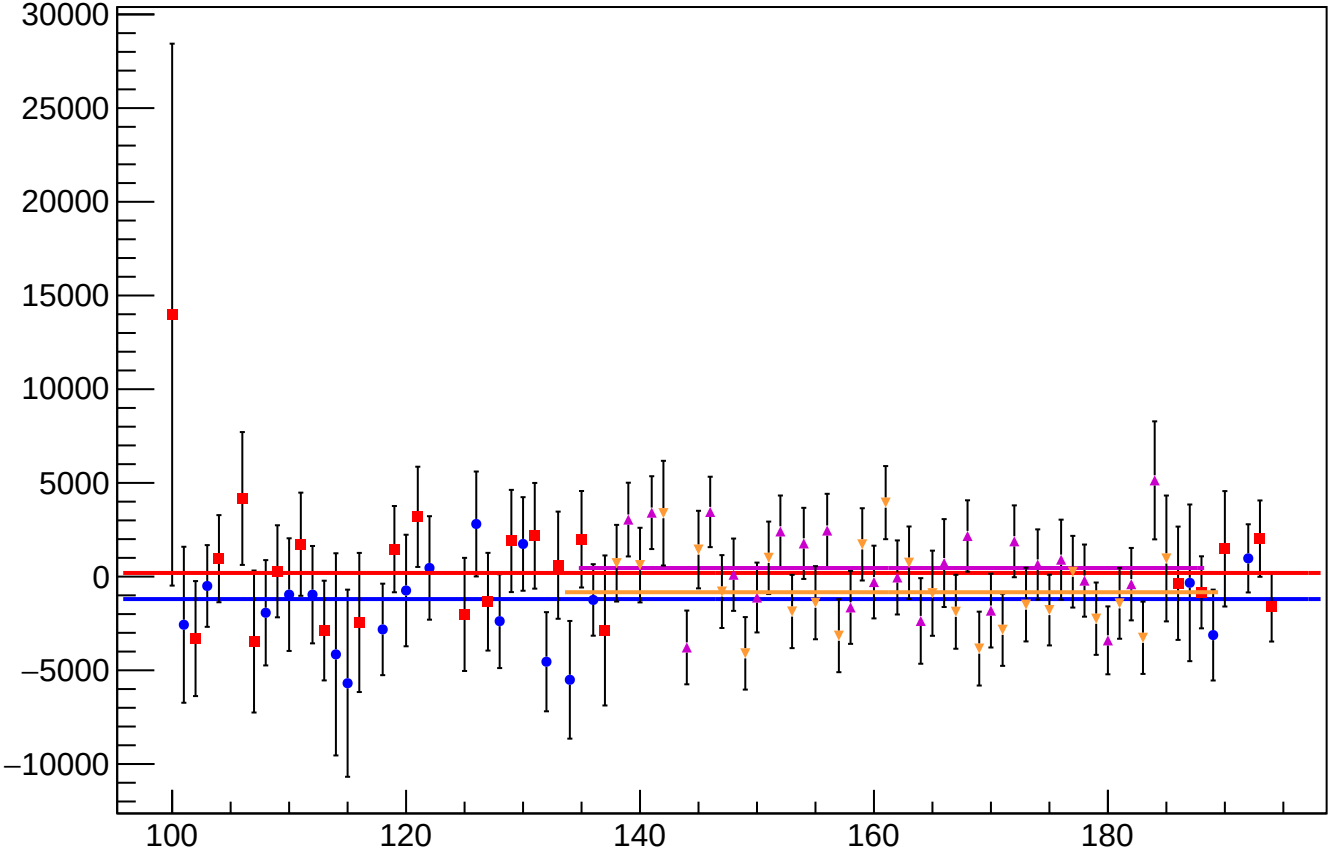
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11729061.6/42

All: 0.000+/-0.000 χ^2/NDF: 23400585.3/88

- sign 0.000+/-0.000 χ^2/NDF: 11649827.5/45

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: 194.680+/-562.955 χ^2/NDF: 13.3/22

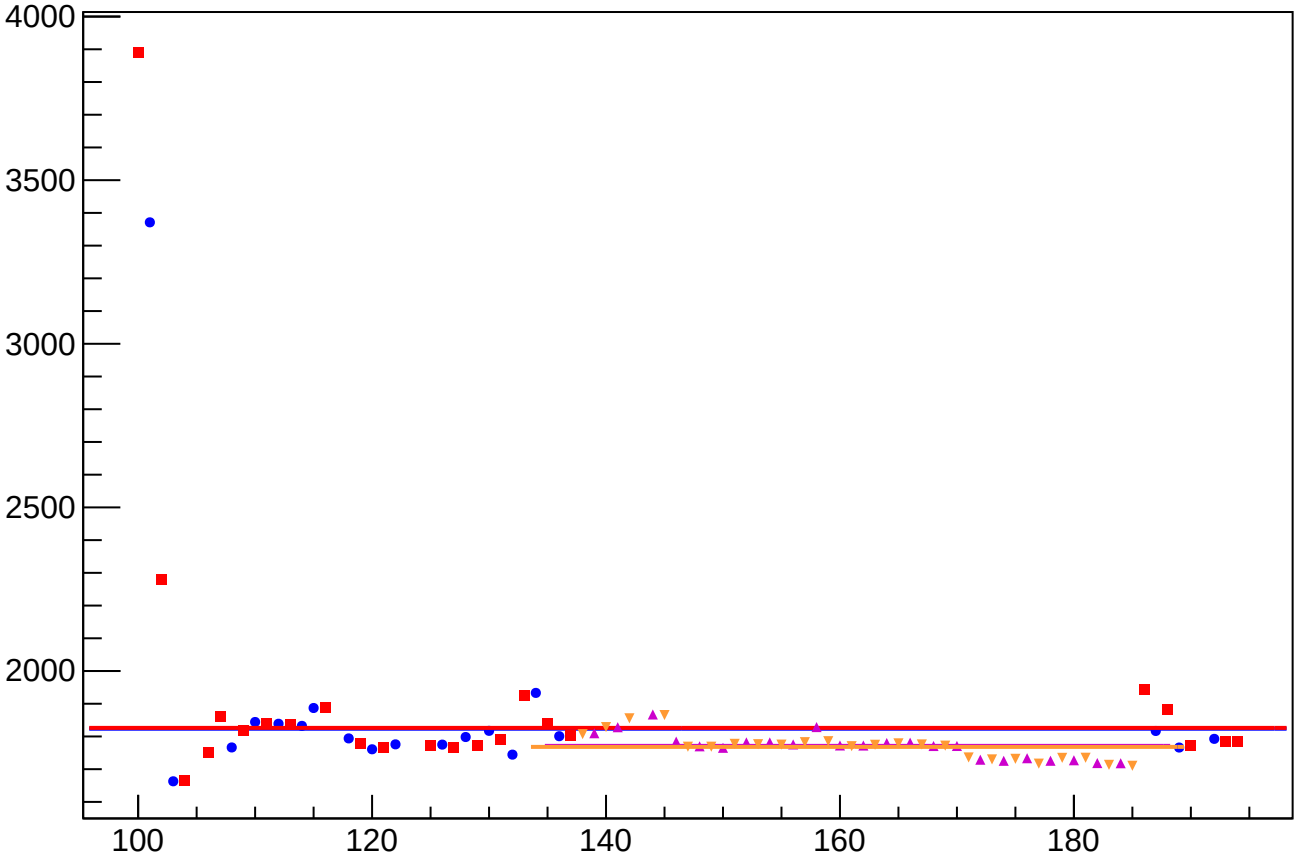
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -945.151+/-341.557 χ^2/NDF: 37.1/42

All: -273.231+/-238.556 χ^2/NDF: 85.4/88

- sign 366.717+/-333.332 χ^2/NDF: 40.7/45

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: 1826.199+/-0.398 χ^2/NDF: 110232.0/22

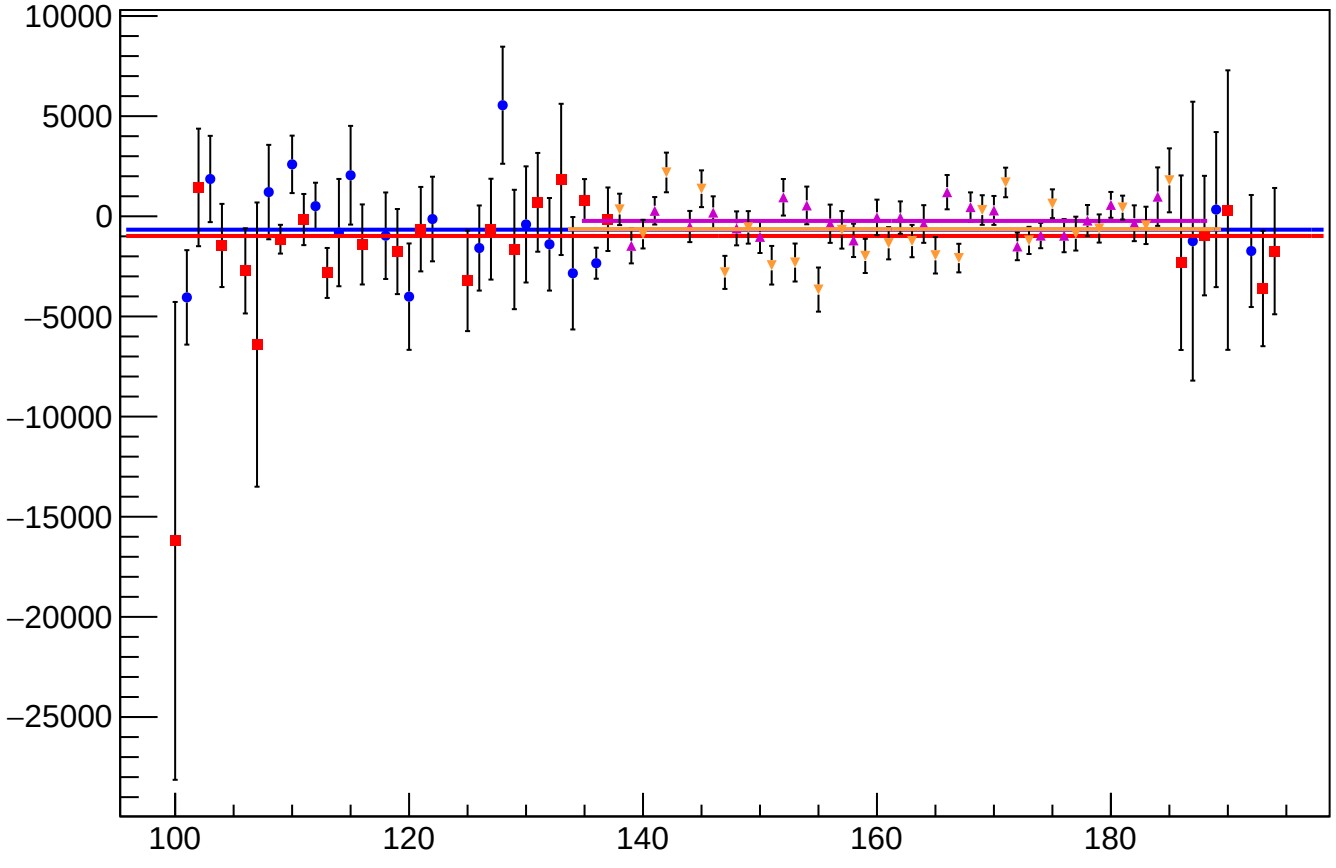
Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.205+/-0.242 χ^2/NDF: 325134.1/42

All: 1787.914+/-0.169 χ^2/NDF: 464426.6/88

- sign 1790.494+/-0.236 χ^2/NDF: 139046.8/45

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug



Right In: -667.778+/-433.120 χ^2/NDF: 23.4/18

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

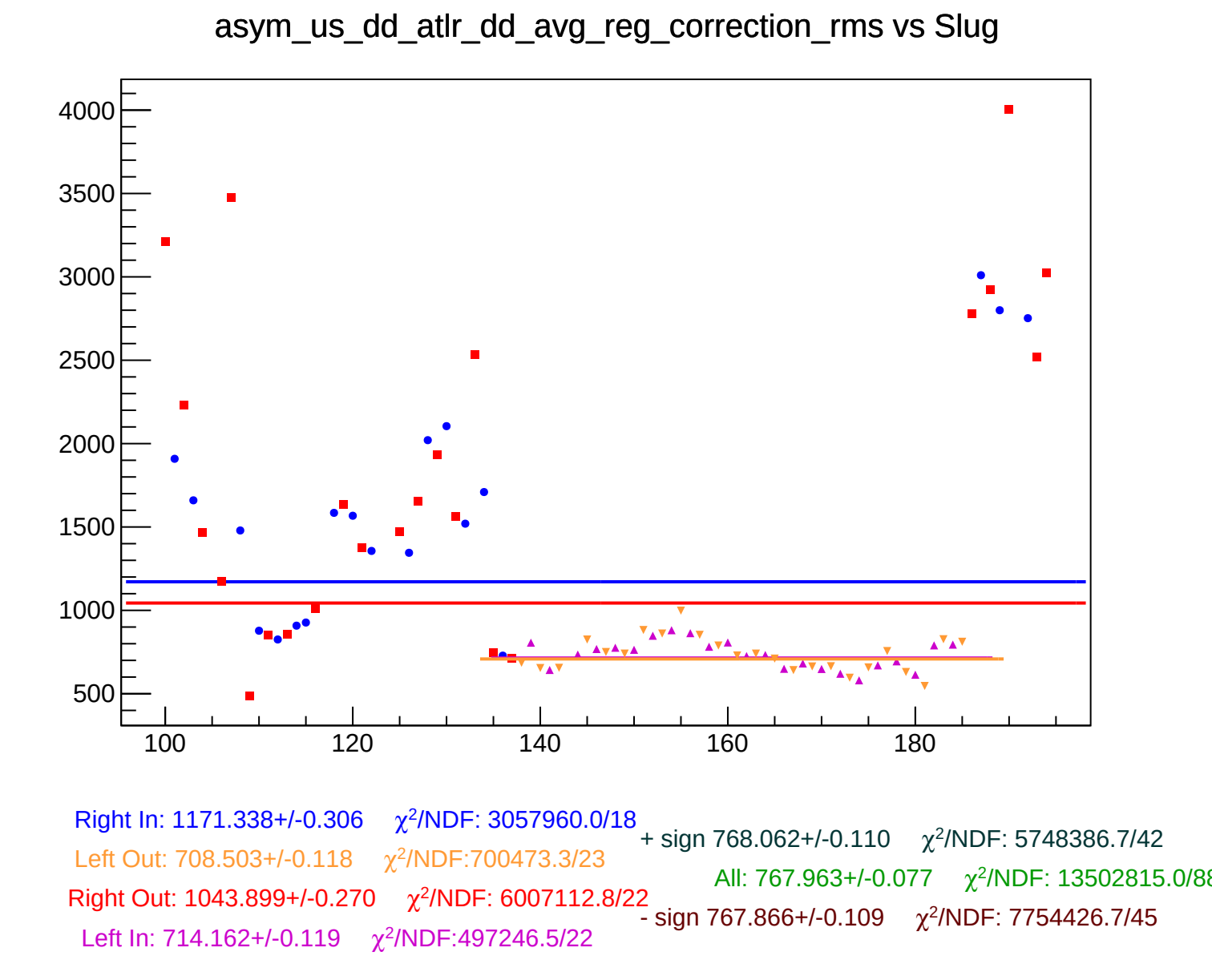
Right Out: -981.731+/-381.604 χ^2/NDF: 12.6/22

Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

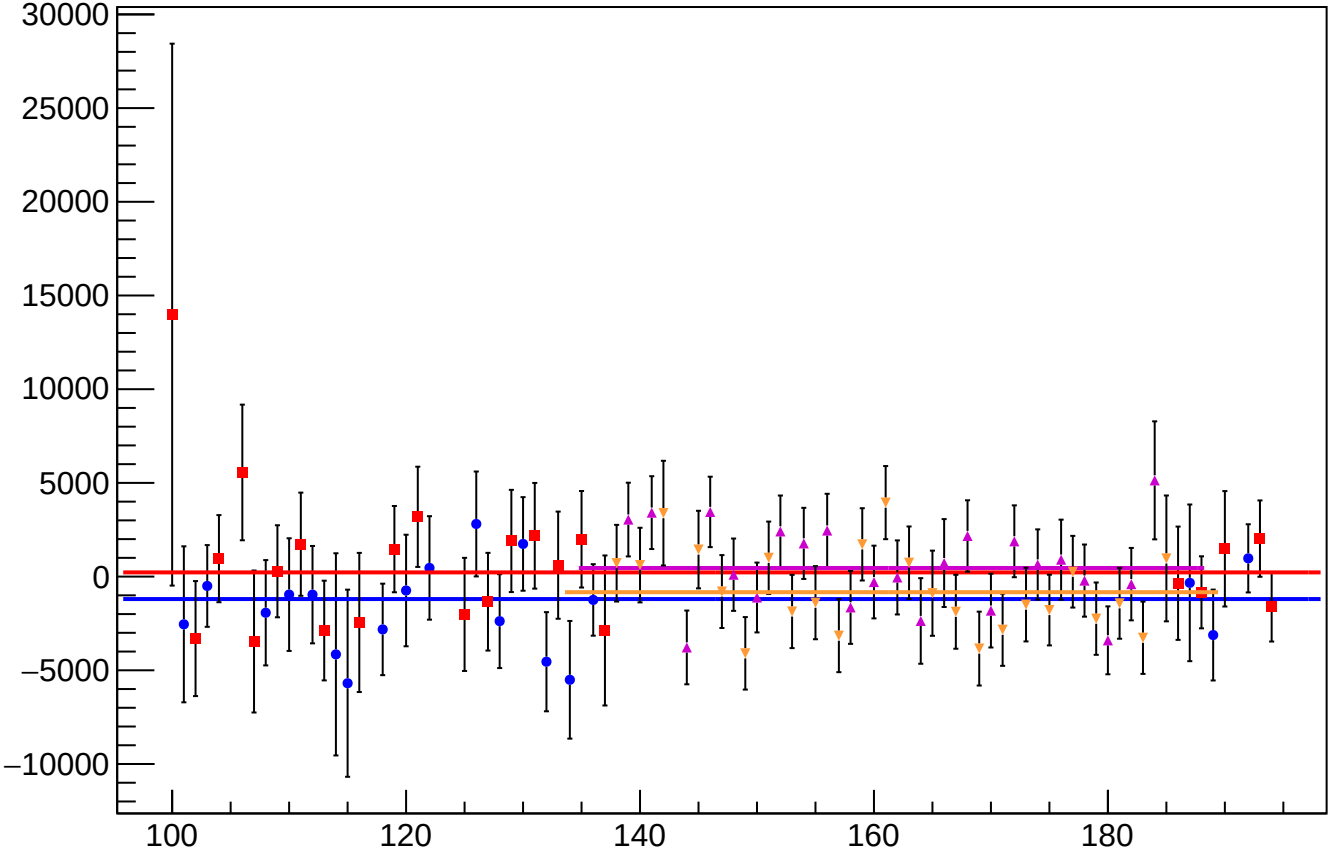
+ sign -644.471+/-155.371 χ^2/NDF: 90.1/42

All: -497.437+/-109.377 χ^2/NDF: 127.7/88

- sign -352.979+/-154.003 χ^2/NDF: 35.8/45


asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 1171.338+/-0.306 χ²/NDF: 3057960.0/18
Left Out: 708.503+/-0.118 χ²/NDF:700473.3/23
Right Out: 1043.899+/-0.270 χ²/NDF: 6007112.8/22
Left In: 714.162+/-0.119 χ²/NDF:497246.5/22
+ sign 768.062+/-0.110 χ²/NDF: 5748386.7/42
All: 767.963+/-0.077 χ²/NDF: 13502815.0/88
- sign 767.866+/-0.109 χ²/NDF: 7754426.7/45

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: 224.157+/-563.245 χ^2/NDF: 14.3/22

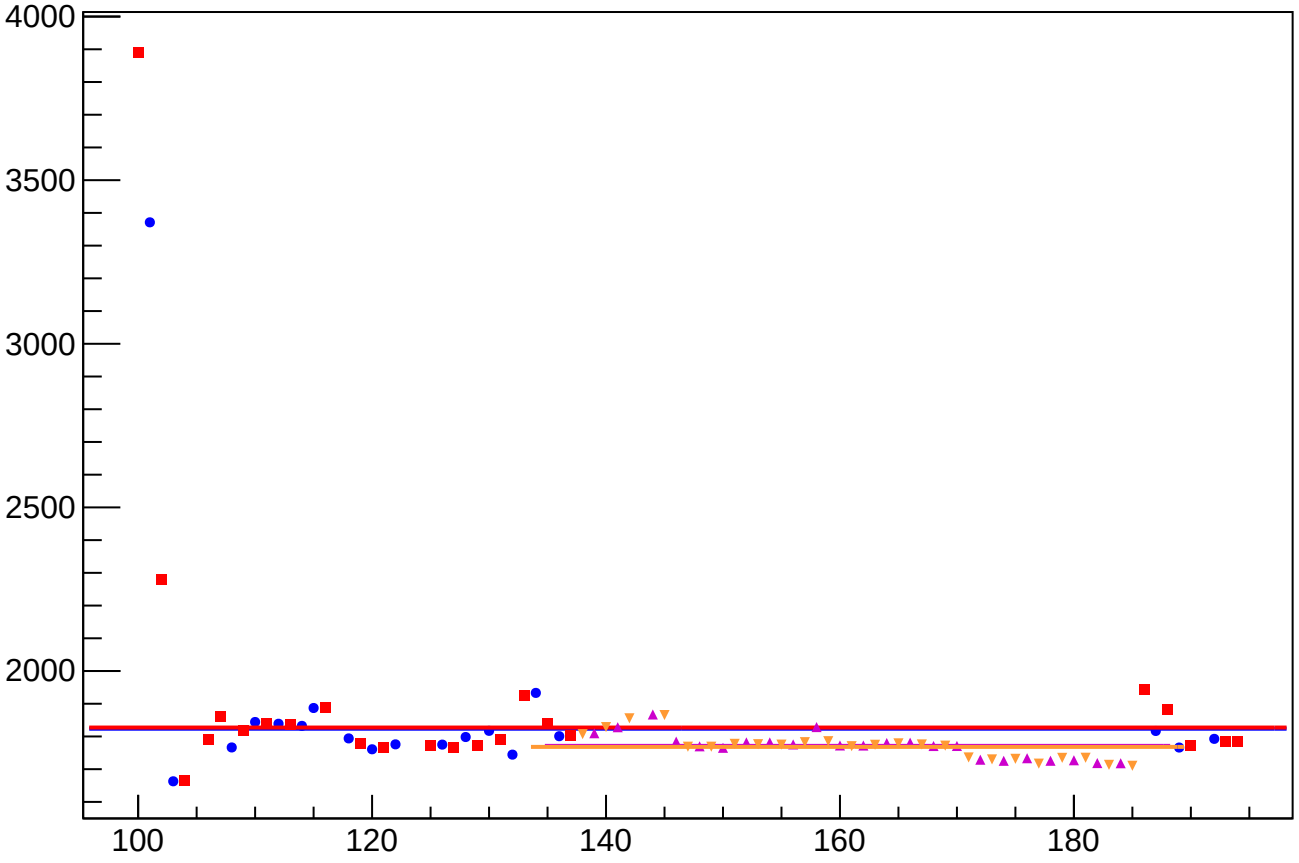
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

\+ sign -944.919+/-341.557 χ^2/NDF: 37.1/42

All: -267.929+/-238.578 χ^2/NDF: 86.5/88

\- sign 377.079+/-333.392 χ^2/NDF: 41.7/45

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

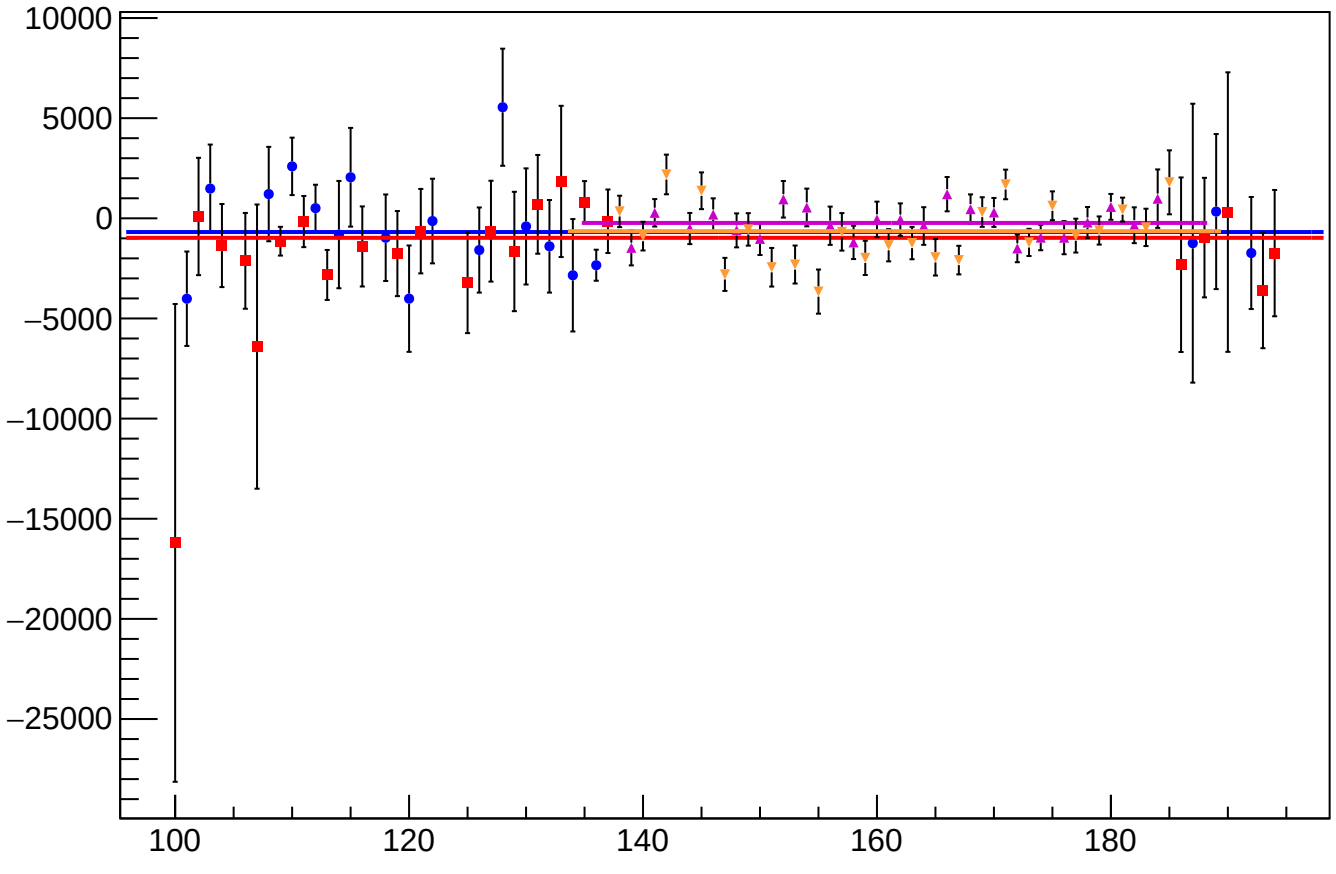
Right Out: 1827.267+/-0.398 χ^2/NDF: 109499.2/22

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.205+/-0.242 χ^2/NDF: 325135.9/42

All: 1788.099+/-0.169 χ^2/NDF: 464207.7/88

- sign 1790.855+/-0.236 χ^2/NDF: 138791.5/45



Right In: -685.637+/-433.468 χ^2/NDF: 23.0/18

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: -973.867+/-382.874 χ^2/NDF: 11.6/22

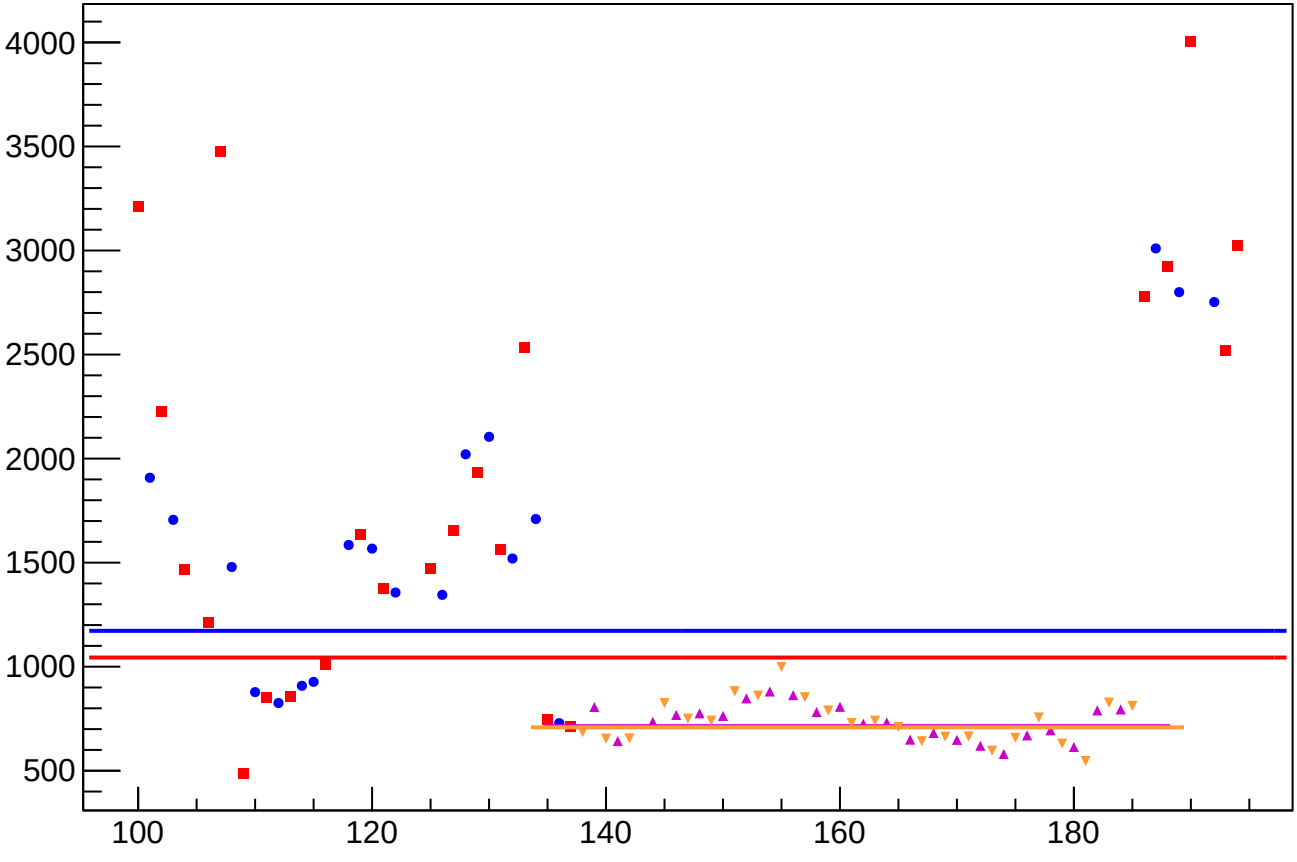
Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -646.740+/-155.388 χ^2/NDF: 89.7/42

All: -497.607+/-109.413 χ^2/NDF: 126.2/88

- sign -350.960+/-154.088 χ^2/NDF: 34.7/45

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: 1043.979+/-0.271 χ^2/NDF: 6008353.9/22

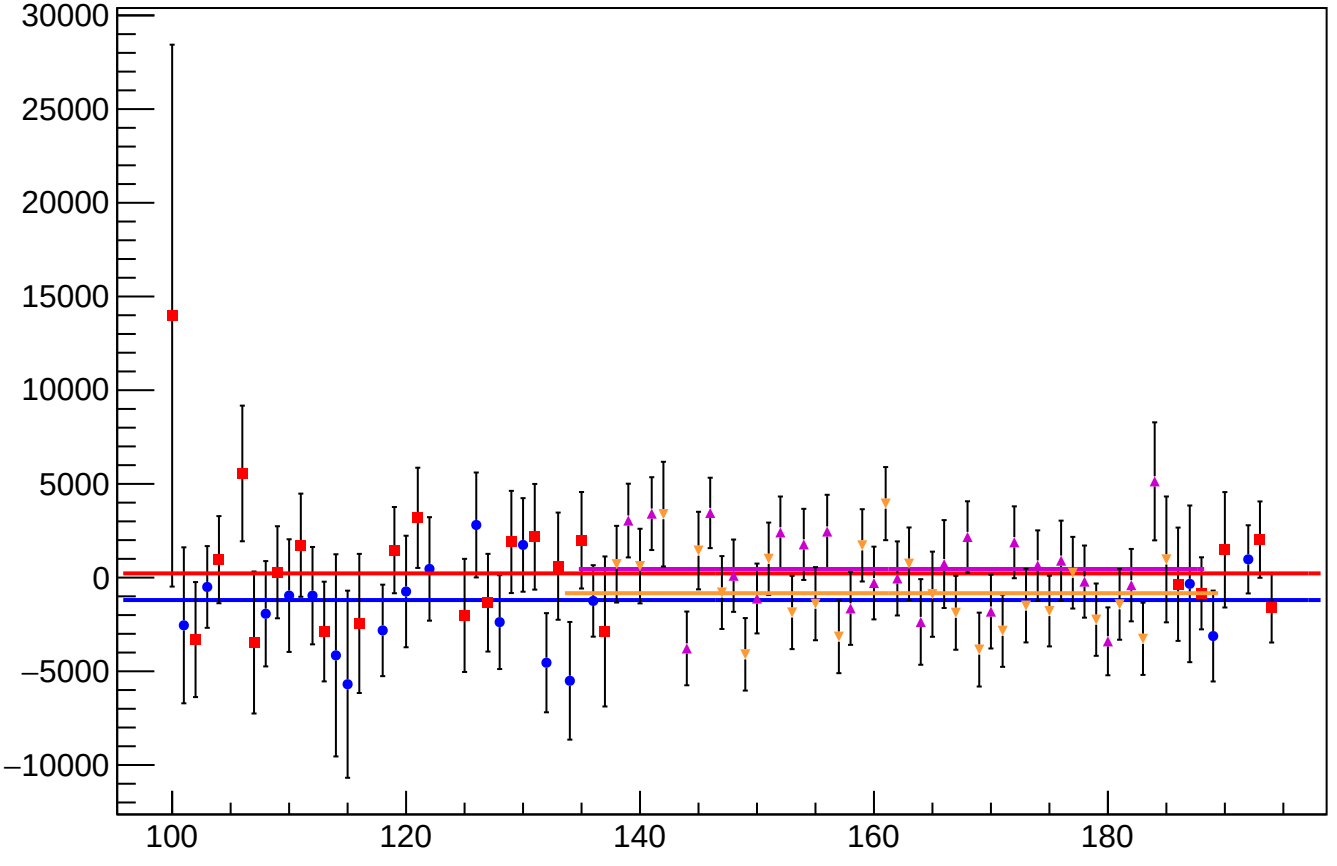
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 768.112+/-0.110 χ^2/NDF: 5768993.8/42

All: 767.847+/-0.077 χ^2/NDF: 13518290.5/88

- sign 767.586+/-0.109 χ^2/NDF: 7749285.1/45

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: 224.157+/-563.245 χ^2/NDF: 14.3/22

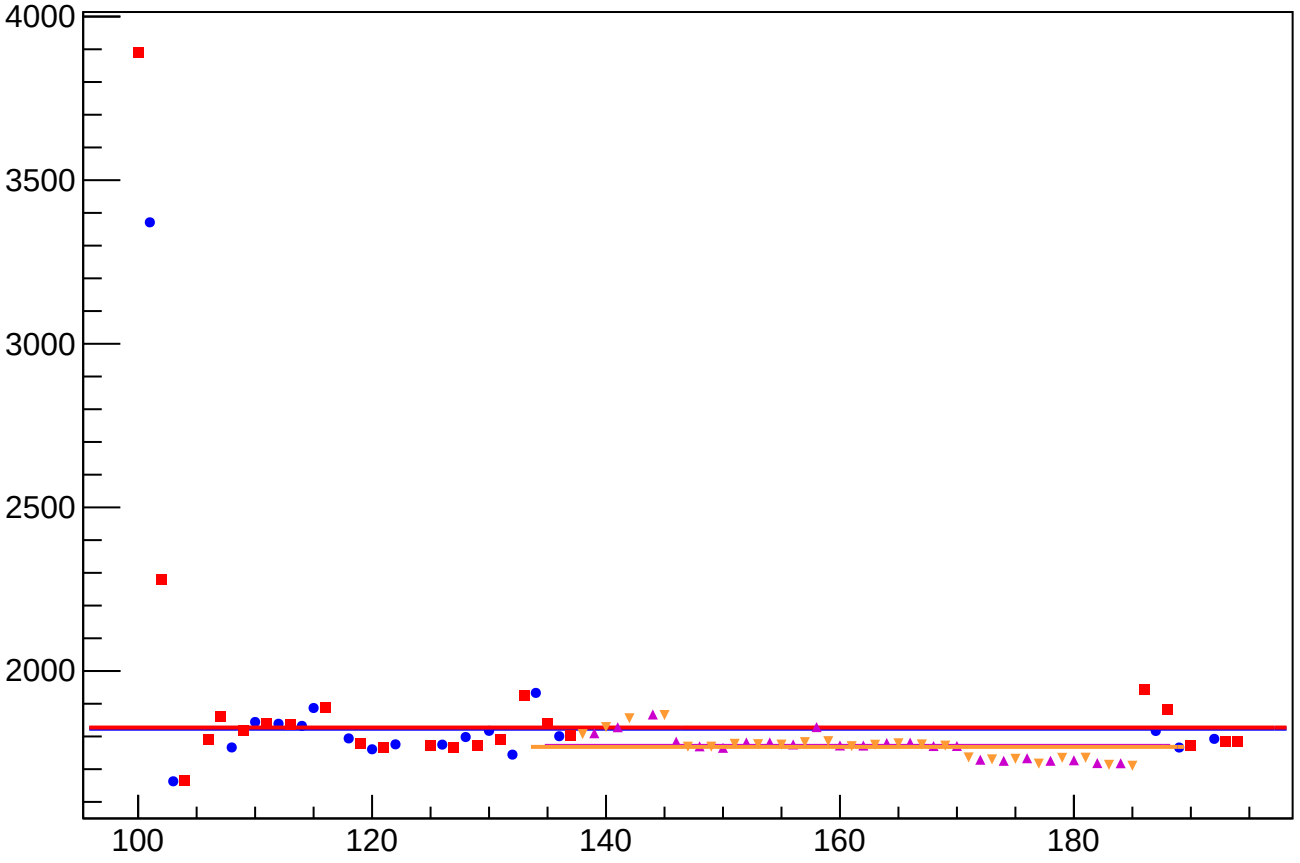
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

\+ sign -944.919+/-341.557 χ^2/NDF: 37.1/42

All: -267.929+/-238.578 χ^2/NDF: 86.5/88

\- sign 377.079+/-333.392 χ^2/NDF: 41.7/45

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

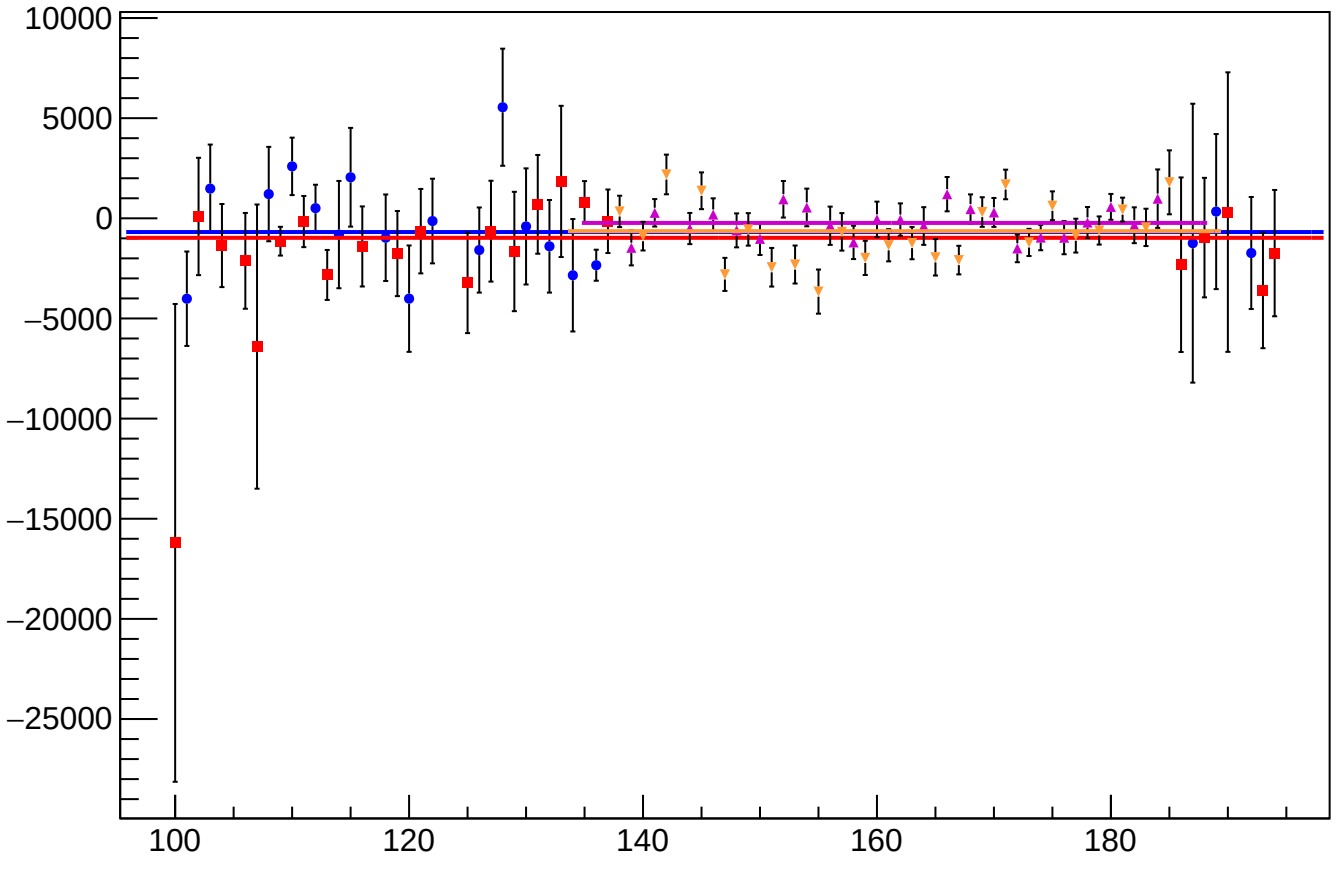
Right Out: 1827.267+/-0.398 χ^2/NDF: 109499.2/22

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.205+/-0.242 χ^2/NDF: 325135.9/42

All: 1788.099+/-0.169 χ^2/NDF: 464207.7/88

- sign 1790.855+/-0.236 χ^2/NDF: 138791.5/45



Right In: -685.637+/-433.468 χ^2/NDF: 23.0/18

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

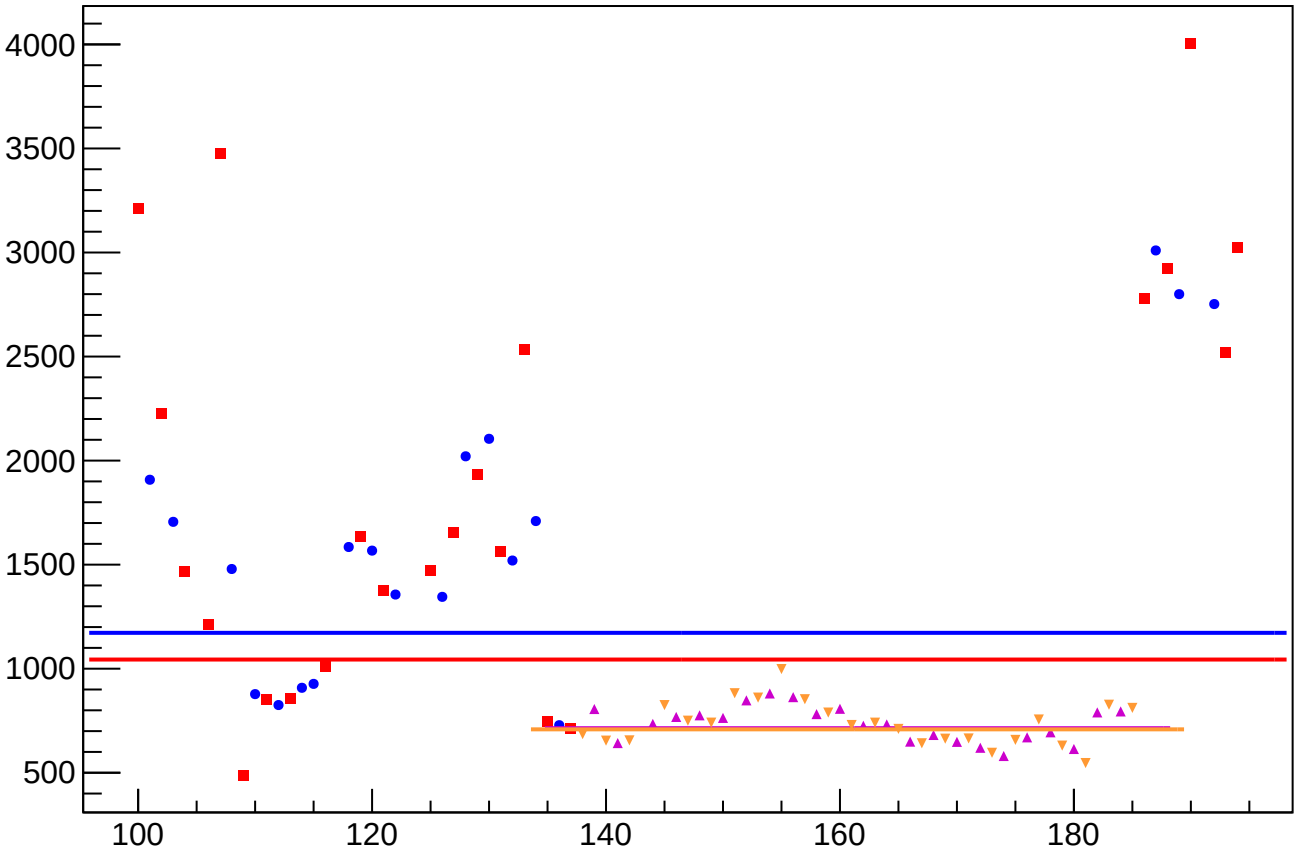
Right Out: -973.867+/-382.874 χ^2/NDF: 11.6/22

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -646.740+/-155.388 χ^2/NDF: 89.7/42

All: -497.607+/-109.413 χ^2/NDF: 126.2/88

- sign -350.960+/-154.088 χ^2/NDF: 34.7/45



Right In: 1172.330+/-0.307 χ^2/NDF: 3072904.8/18

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1043.979+/-0.271 χ^2/NDF: 6008353.9/22

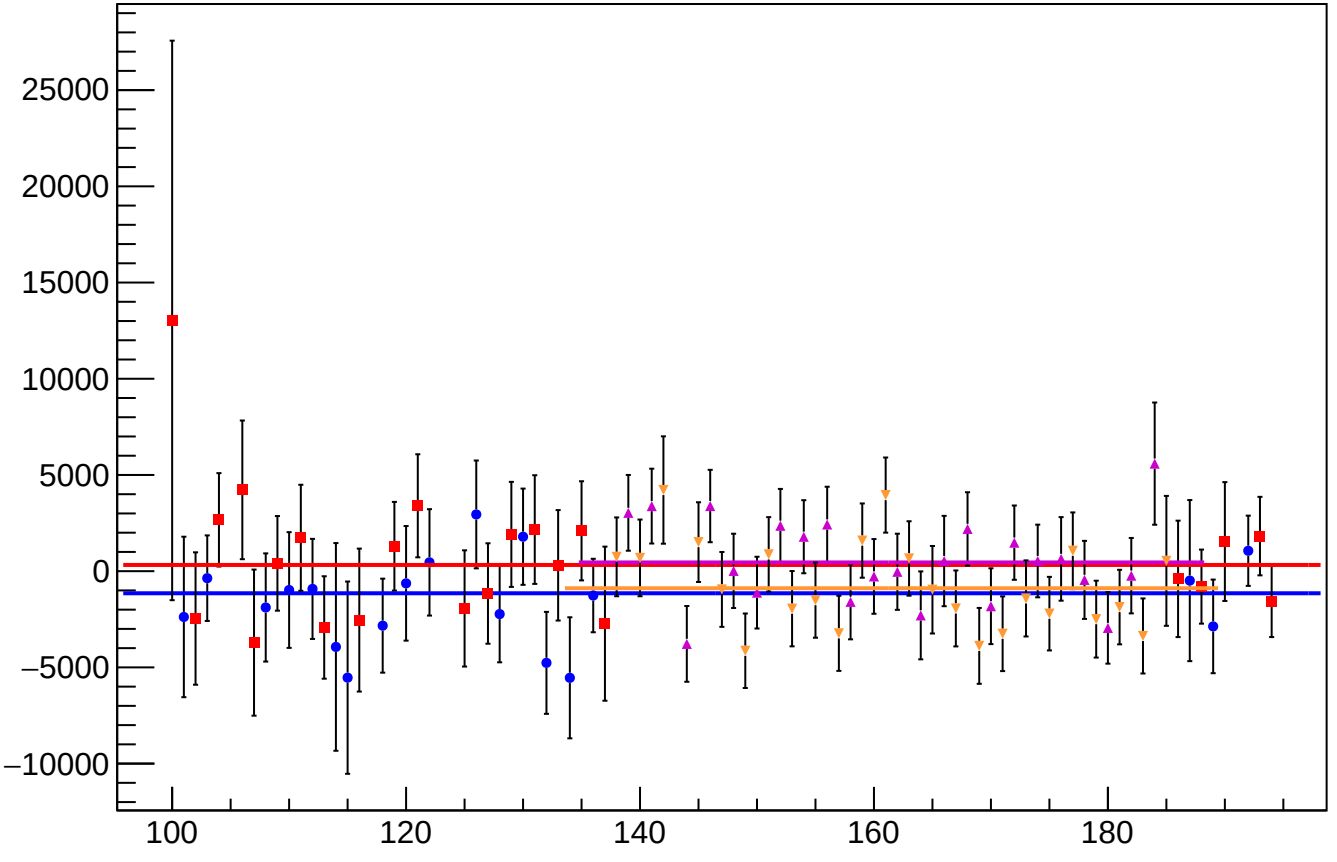
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 768.112+/-0.110 χ^2/NDF: 5768993.8/42

All: 767.847+/-0.077 χ^2/NDF: 13518290.5/88

- sign 767.586+/-0.109 χ^2/NDF: 7749285.1/45

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: 322.918+/-567.163 χ^2/NDF: 13.3/22

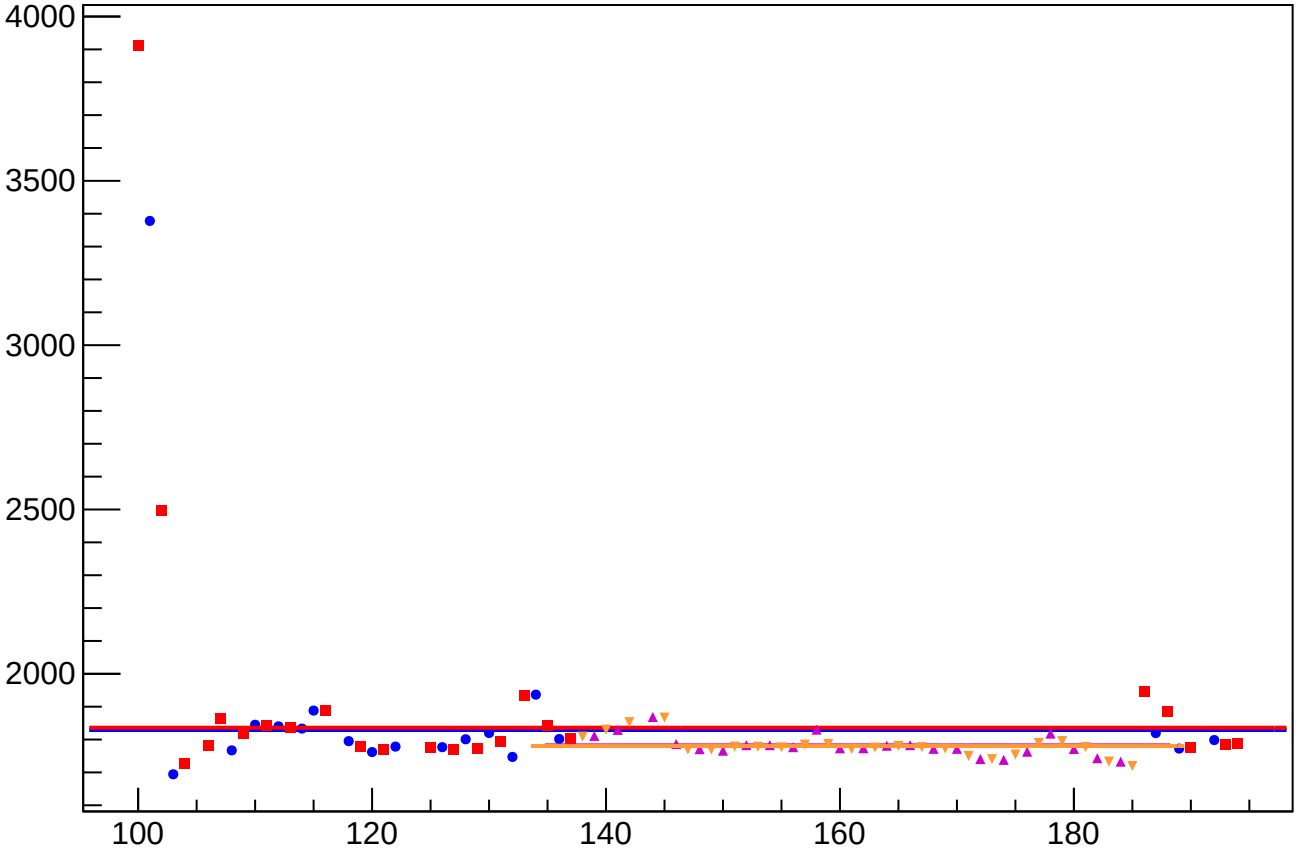
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -967.313+/-343.457 χ^2/NDF: 40.0/42

All: -263.829+/-240.015 χ^2/NDF: 87.3/88

- sign 407.623+/-335.547 χ^2/NDF: 39.2/45

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

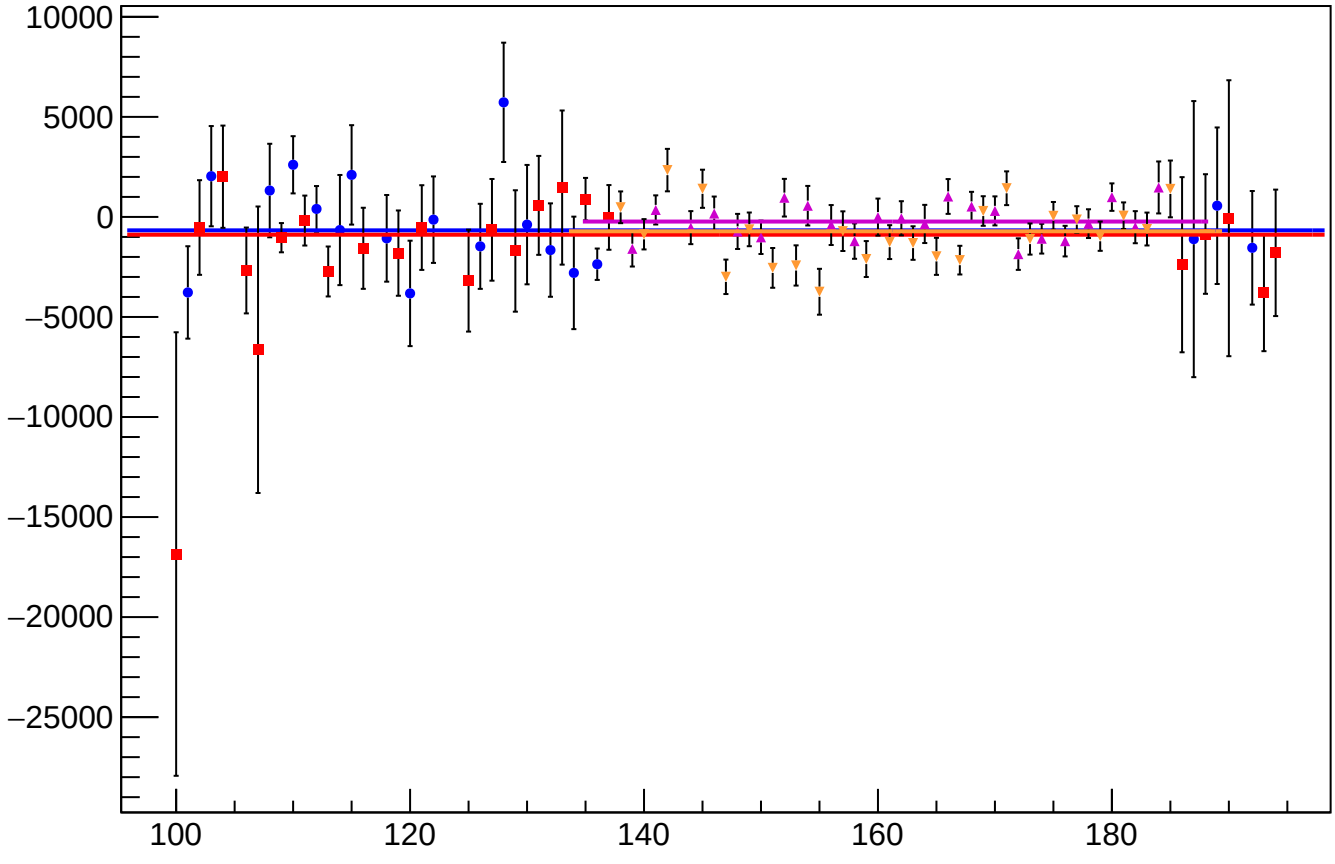
Right Out: 1836.067+/-0.401 χ^2/NDF: 135495.7/22

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.296+/-0.243 χ^2/NDF: 312971.7/42

All: 1798.275+/-0.170 χ^2/NDF: 471677.4/88

- sign 1801.118+/-0.237 χ^2/NDF: 158411.6/45



Right In: -670.865+/-436.858 χ^2/NDF: 23.0/18

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: -888.827+/-385.158 χ^2/NDF: 13.5/22

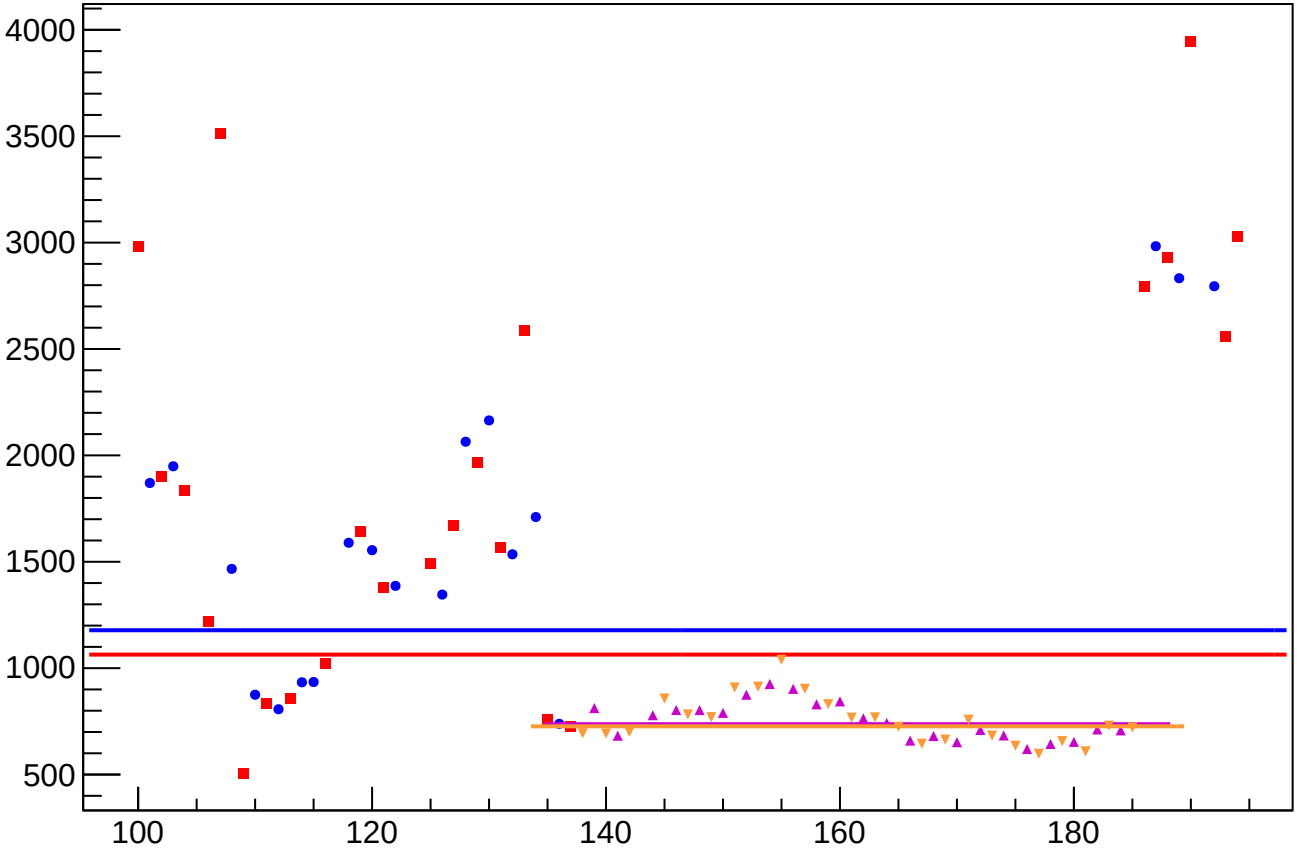
Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -710.548+/-158.914 χ^2/NDF: 82.3/42

All: -525.459+/-112.095 χ^2/NDF: 125.0/88

- sign -342.165+/-158.142 χ^2/NDF: 40.0/45

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: 1063.765+/-0.272 χ^2/NDF: 5957563.1/22

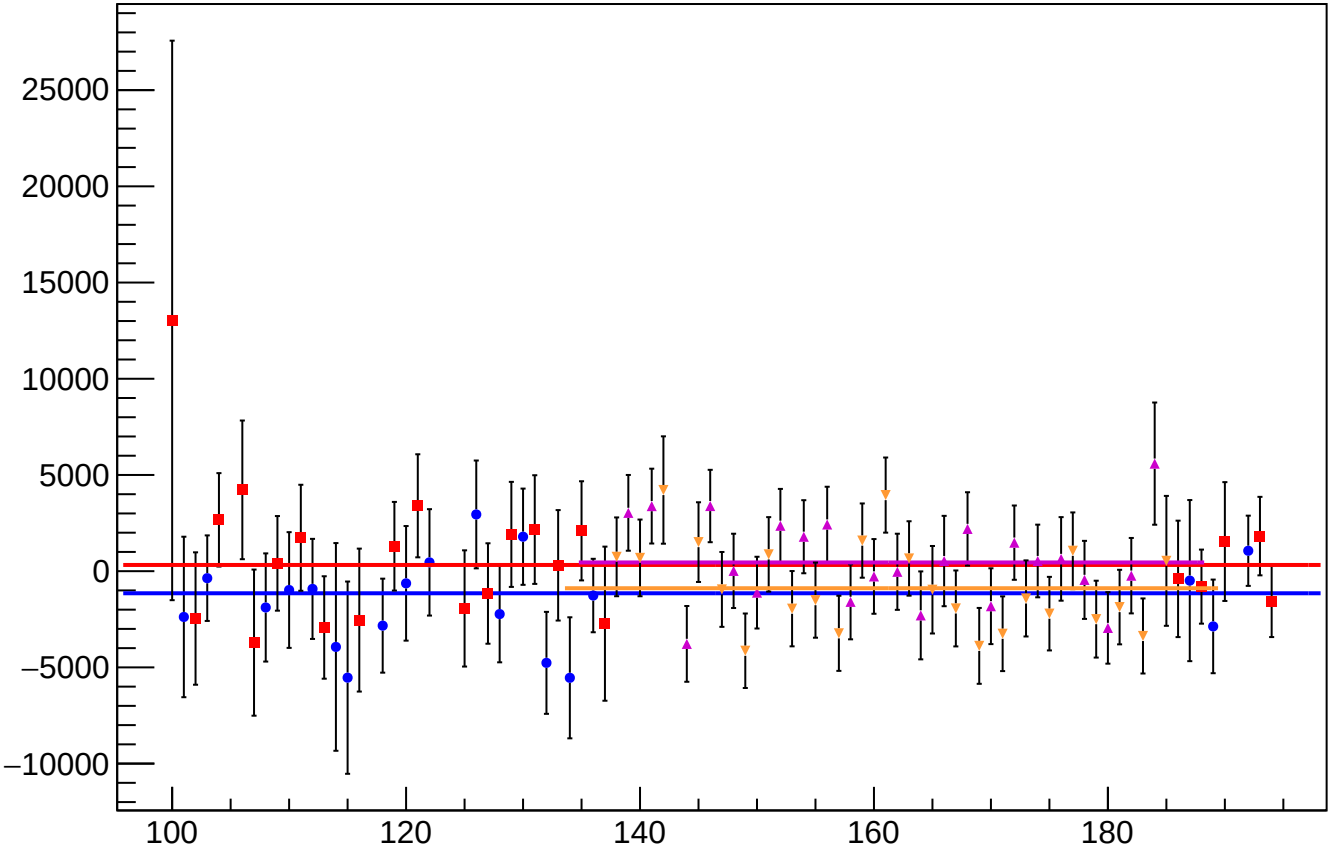
Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 786.373+/-0.112 χ^2/NDF: 5704113.3/42

All: 789.123+/-0.079 χ^2/NDF: 13326897.0/88

- sign 791.846+/-0.112 χ^2/NDF: 7621591.8/45

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1148.213+/-617.690 χ^2/NDF: 11.7/18

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 322.920+/-567.163 χ^2/NDF: 13.3/22

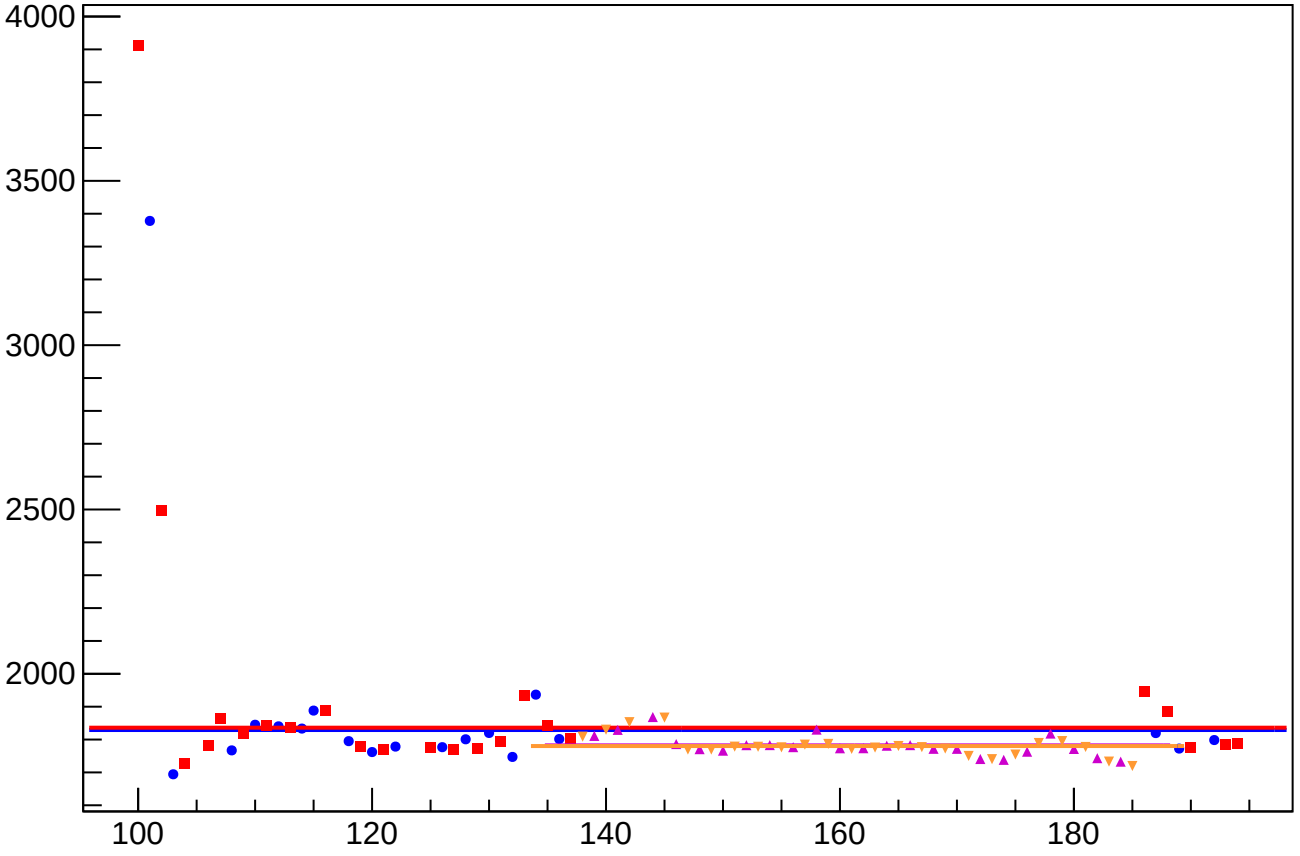
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -967.313+/-343.457 χ^2/NDF: 40.0/42

All: -263.829+/-240.015 χ^2/NDF: 87.3/88

- sign 407.623+/-335.547 χ^2/NDF: 39.2/45

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

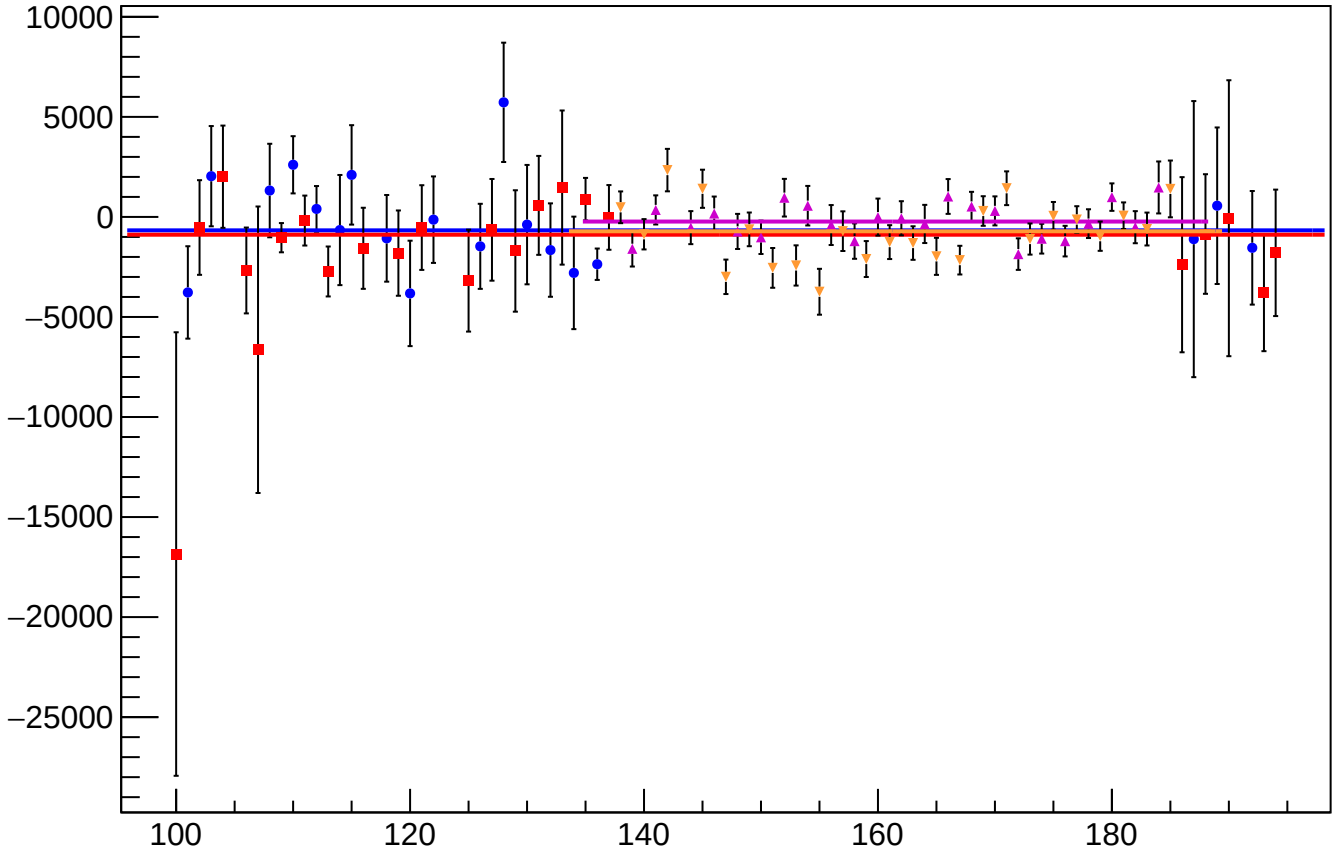
Right Out: 1836.067+/-0.401 χ^2/NDF: 135495.8/22

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.296+/-0.243 χ^2/NDF: 312971.8/42

All: 1798.275+/-0.170 χ^2/NDF: 471677.6/88

- sign 1801.118+/-0.237 χ^2/NDF: 158411.7/45



Right In: -670.853+/-436.858 χ^2/NDF: 23.0/18

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

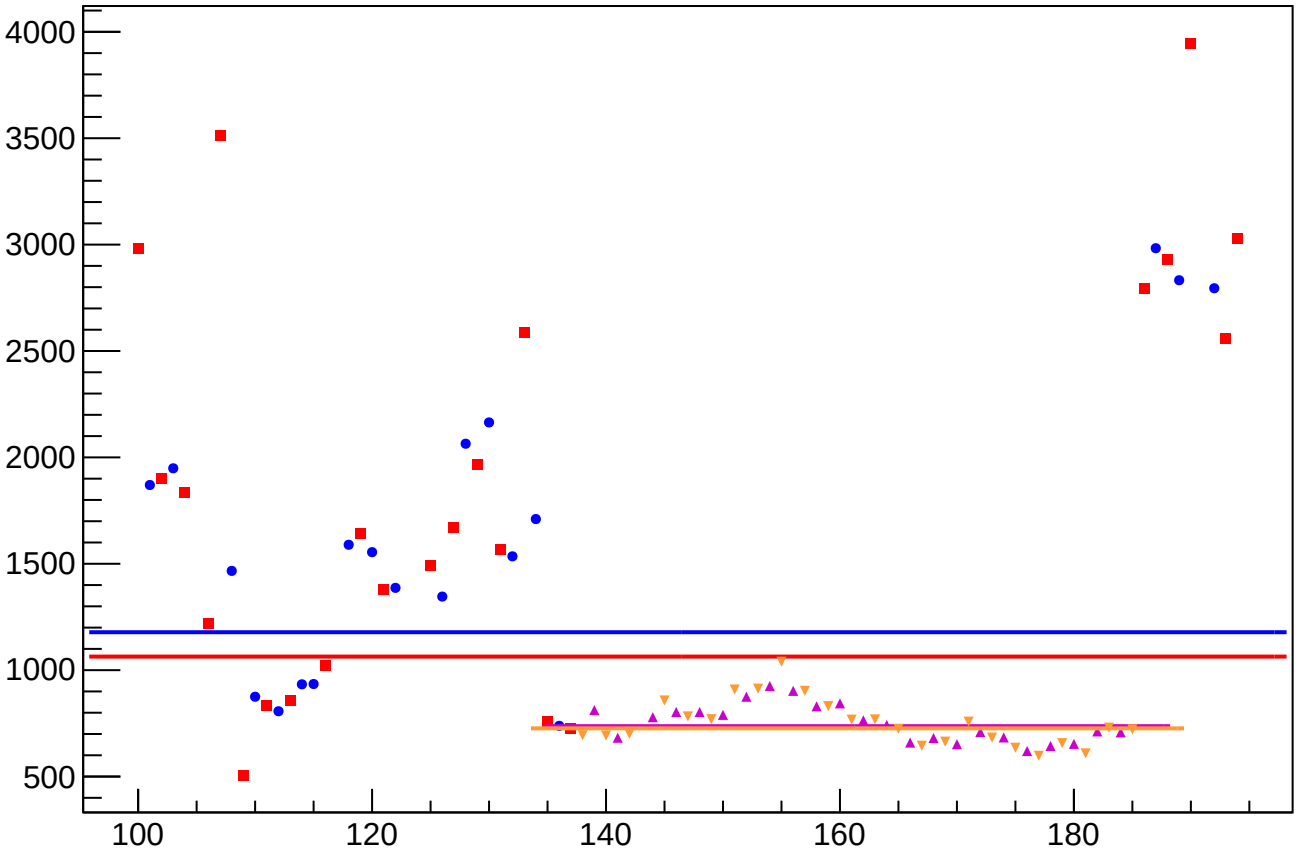
Right Out: -888.834+/-385.158 χ^2/NDF: 13.5/22

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -710.547+/-158.914 χ^2/NDF: 82.3/42

All: -525.458+/-112.095 χ^2/NDF: 125.0/88

- sign -342.165+/-158.142 χ^2/NDF: 40.0/45



Right In: 1178.282+/-0.309 χ^2/NDF: 3164229.3/18

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1063.768+/-0.272 χ^2/NDF: 5957524.1/22

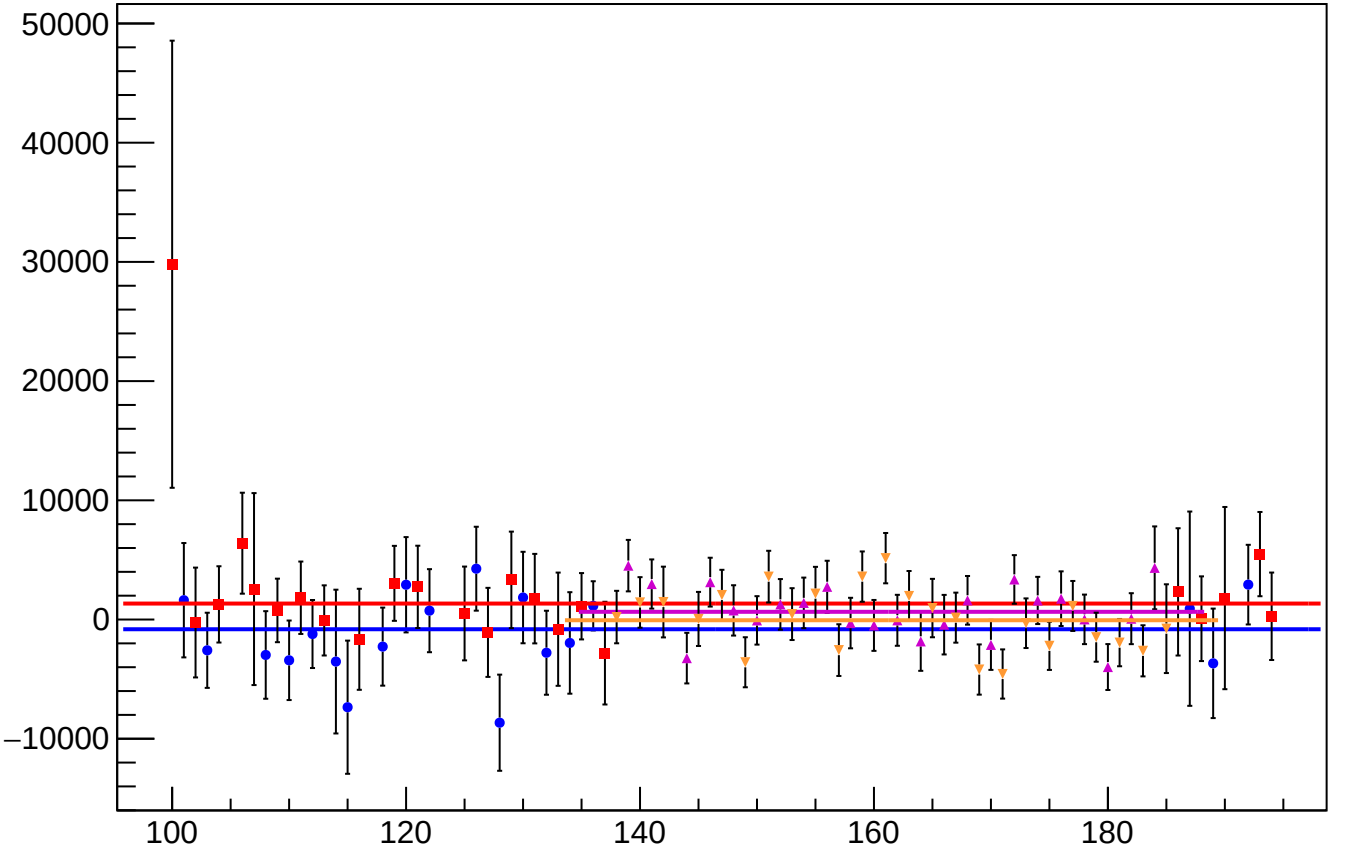
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 786.373+/-0.112 χ^2/NDF: 5704081.6/42

All: 789.123+/-0.079 χ^2/NDF: 13326858.7/88

- sign 791.846+/-0.112 χ^2/NDF: 7621585.6/45

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: 1339.445+/-789.177 χ^2/NDF: 8.6/22

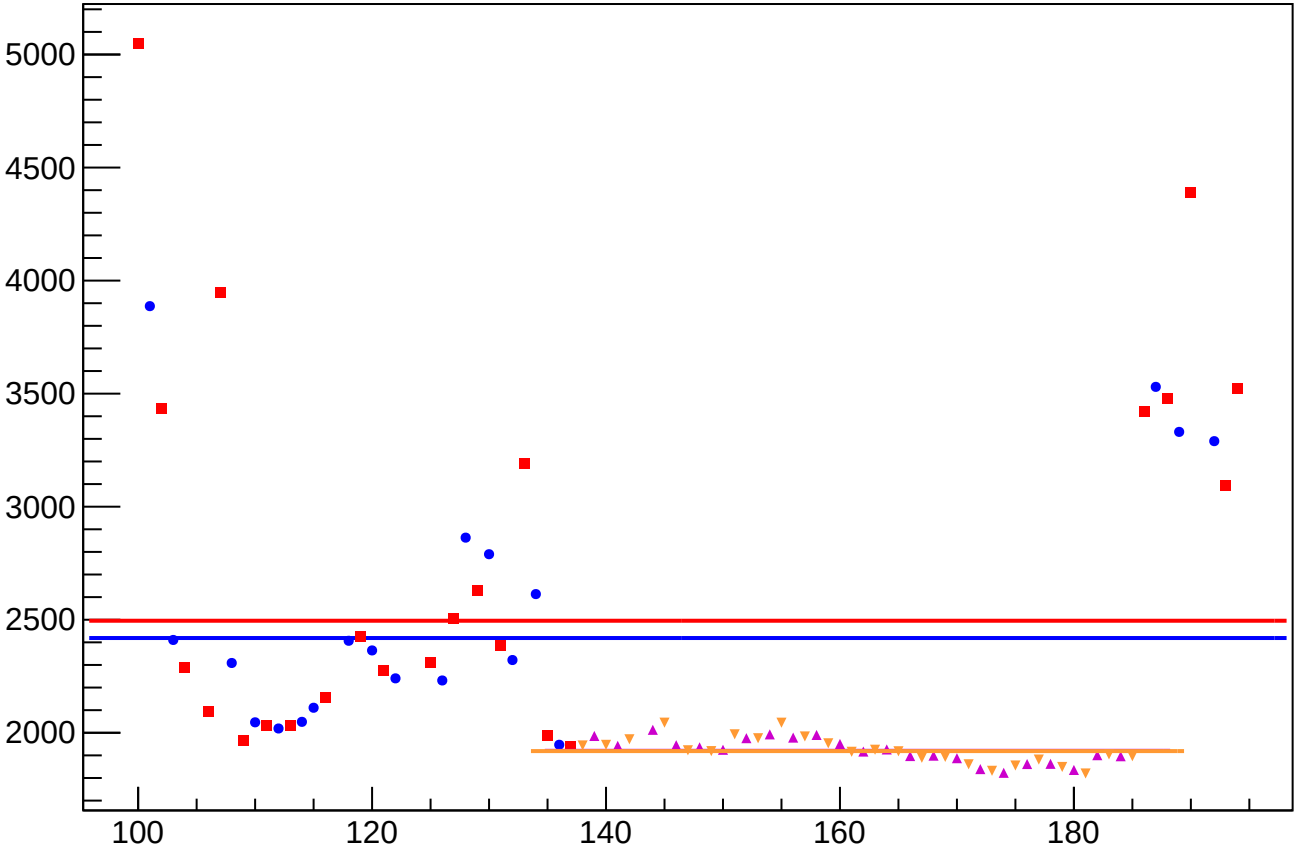
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -229.573+/-392.296 χ^2/NDF: 47.3/42

All: 296.344+/-276.563 χ^2/NDF: 83.8/88

- sign 816.001+/-389.954 χ^2/NDF: 32.9/45

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

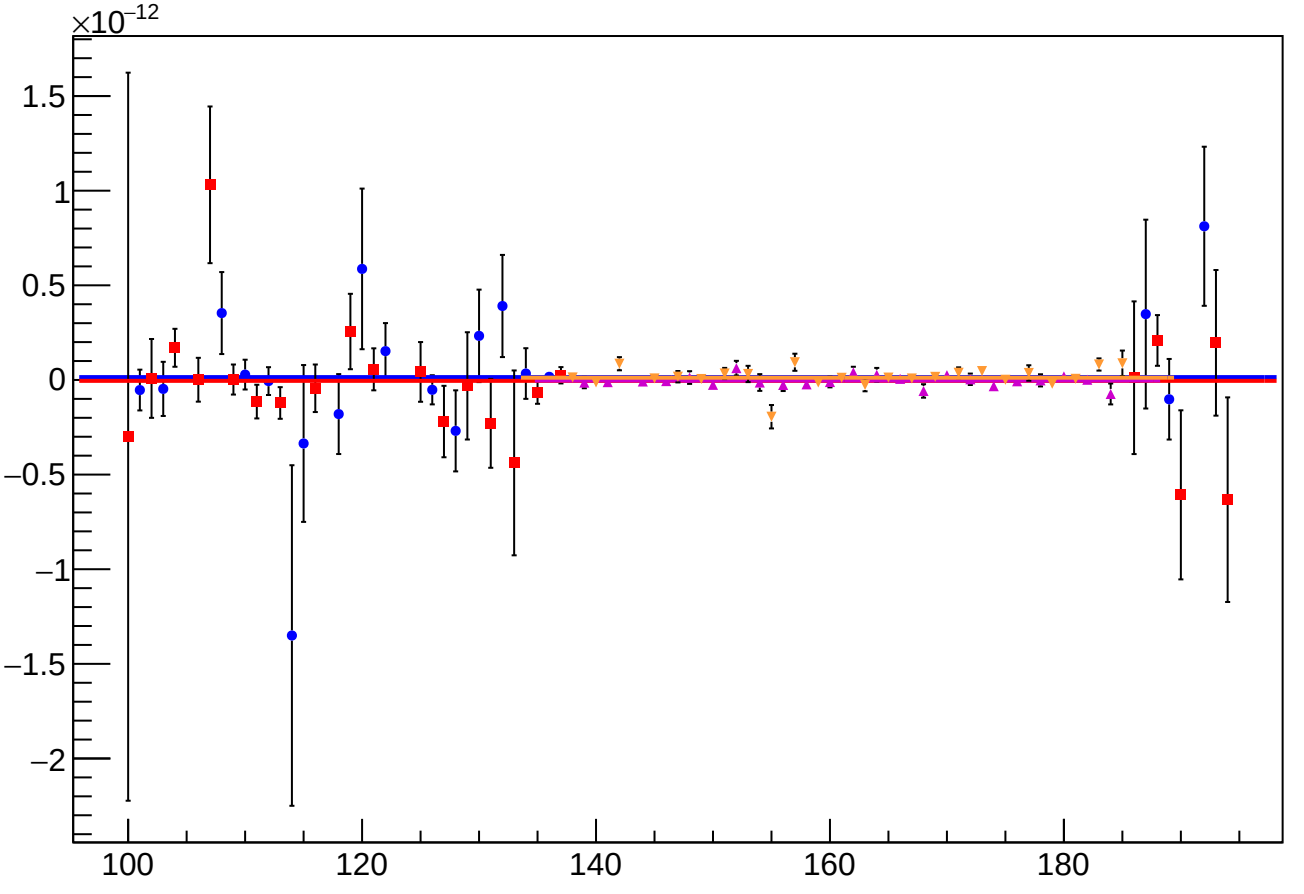
Right Out: 2495.563+/-0.558 χ^2/NDF: 1111518.5/22

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2031.474+/-0.277 χ^2/NDF: 1285979.2/42

All: 2046.172+/-0.196 χ^2/NDF: 3236474.1/88

- sign 2060.695+/-0.276 χ^2/NDF: 1944913.5/45



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

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

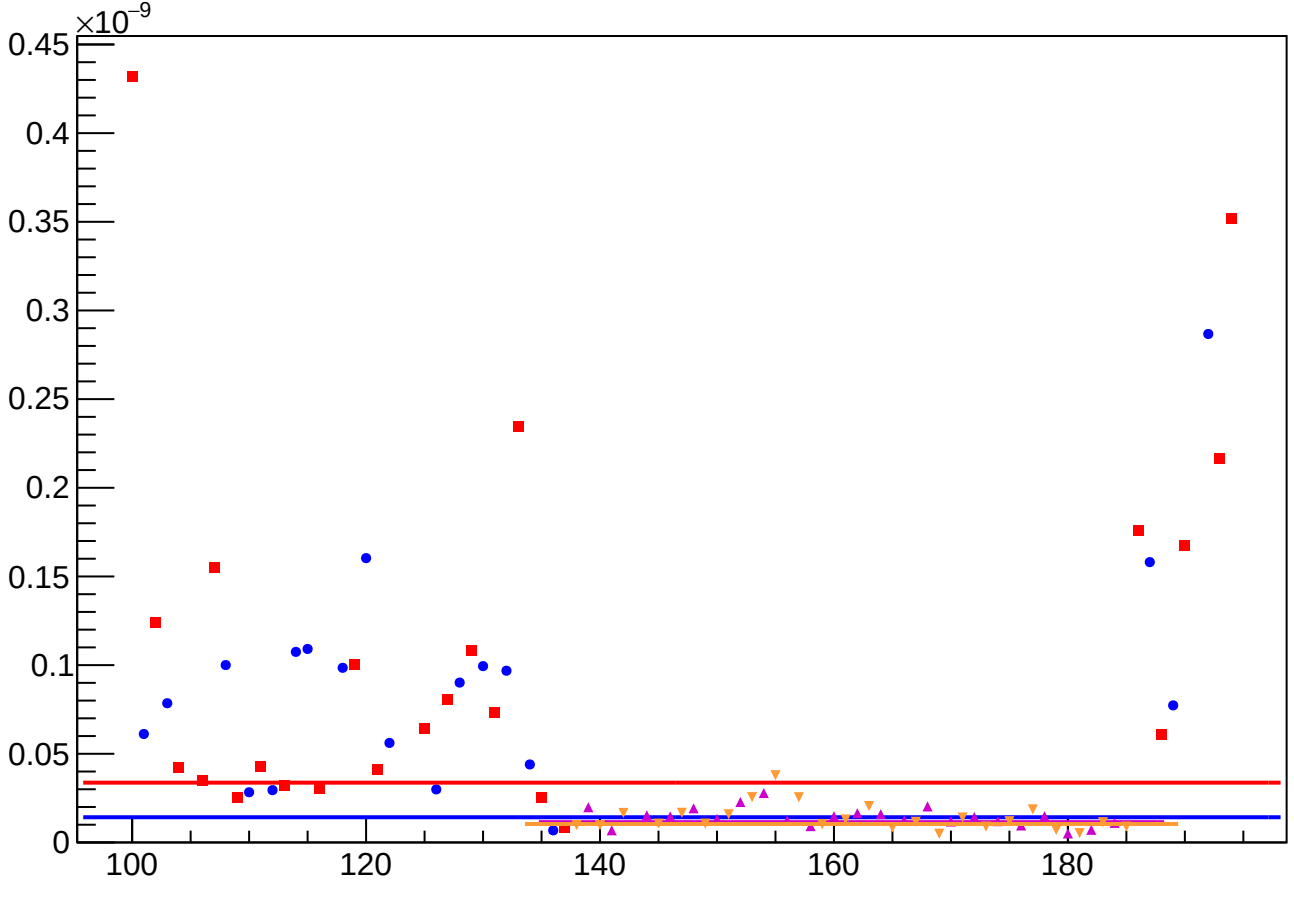
Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/22

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.5/42

All: 0.000+/-0.000 χ^2/NDF: 107.9/88

- sign -0.000+/-0.000 χ^2/NDF: 45.1/45



Right In: 0.000+/-0.000 χ^2/NDF: 4603681.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

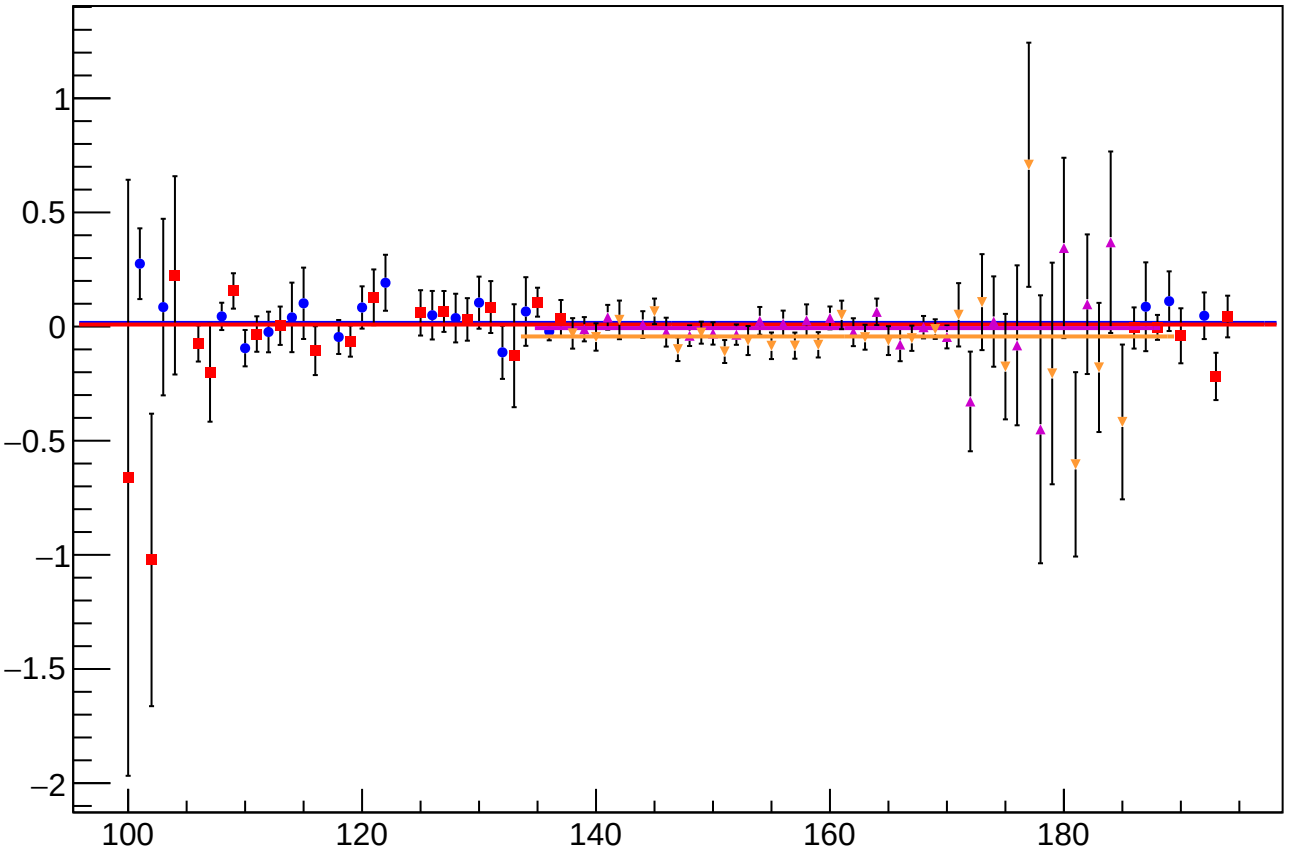
Right Out: 0.000+/-0.000 χ^2/NDF: 4035785.6/22

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6812070.9/42

All: 0.000+/-0.000 χ^2/NDF: 14568491.2/88

- sign 0.000+/-0.000 χ^2/NDF: 7636445.7/45



Right In: 0.016+/-0.021 χ^2/NDF: 12.5/18

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

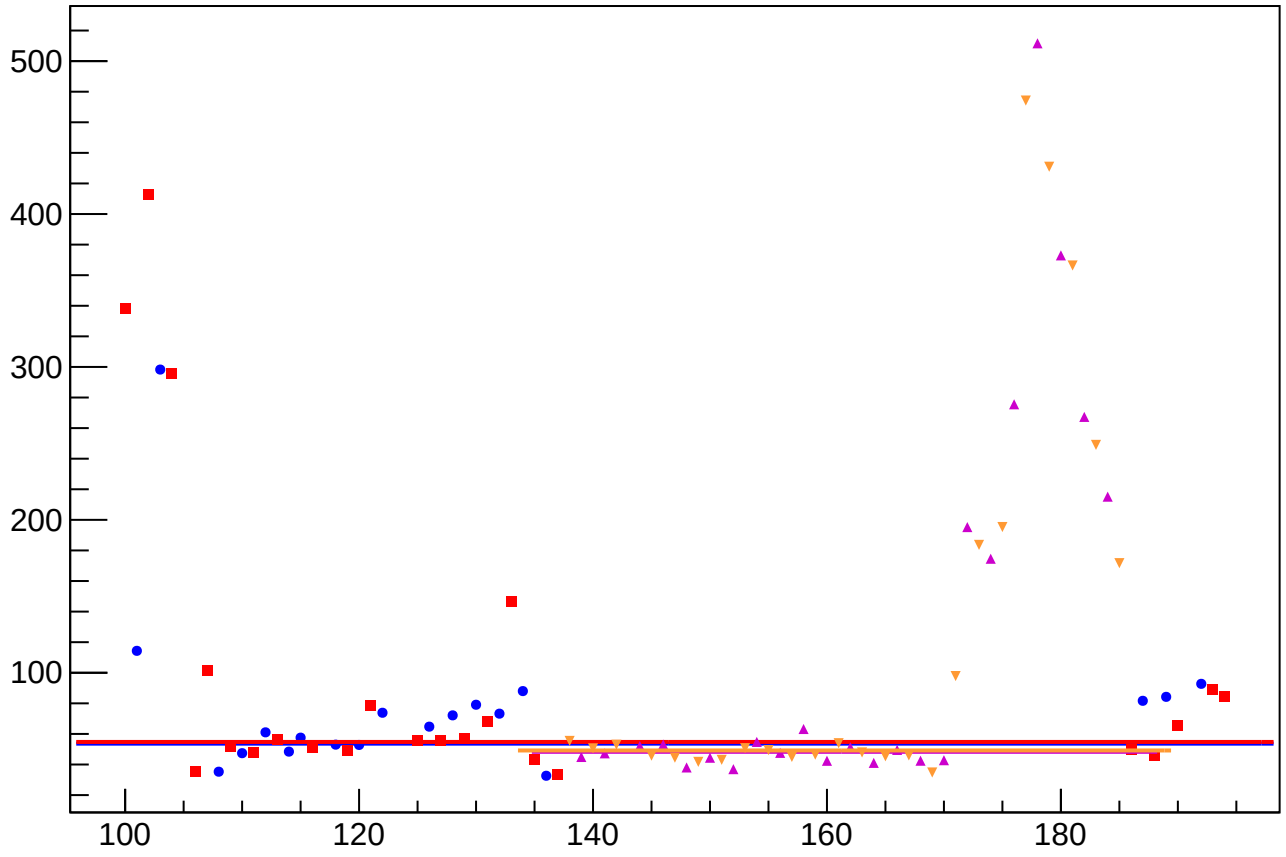
Right Out: 0.009+/-0.020 χ^2/NDF: 21.5/22

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.025+/-0.012 χ^2/NDF: 37.0/42

All: -0.013+/-0.008 χ^2/NDF: 72.4/88

- sign -0.002+/-0.011 χ^2/NDF: 33.3/45



Right In: 53.651+/-0.015 χ^2/NDF: 2748815.6/18

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

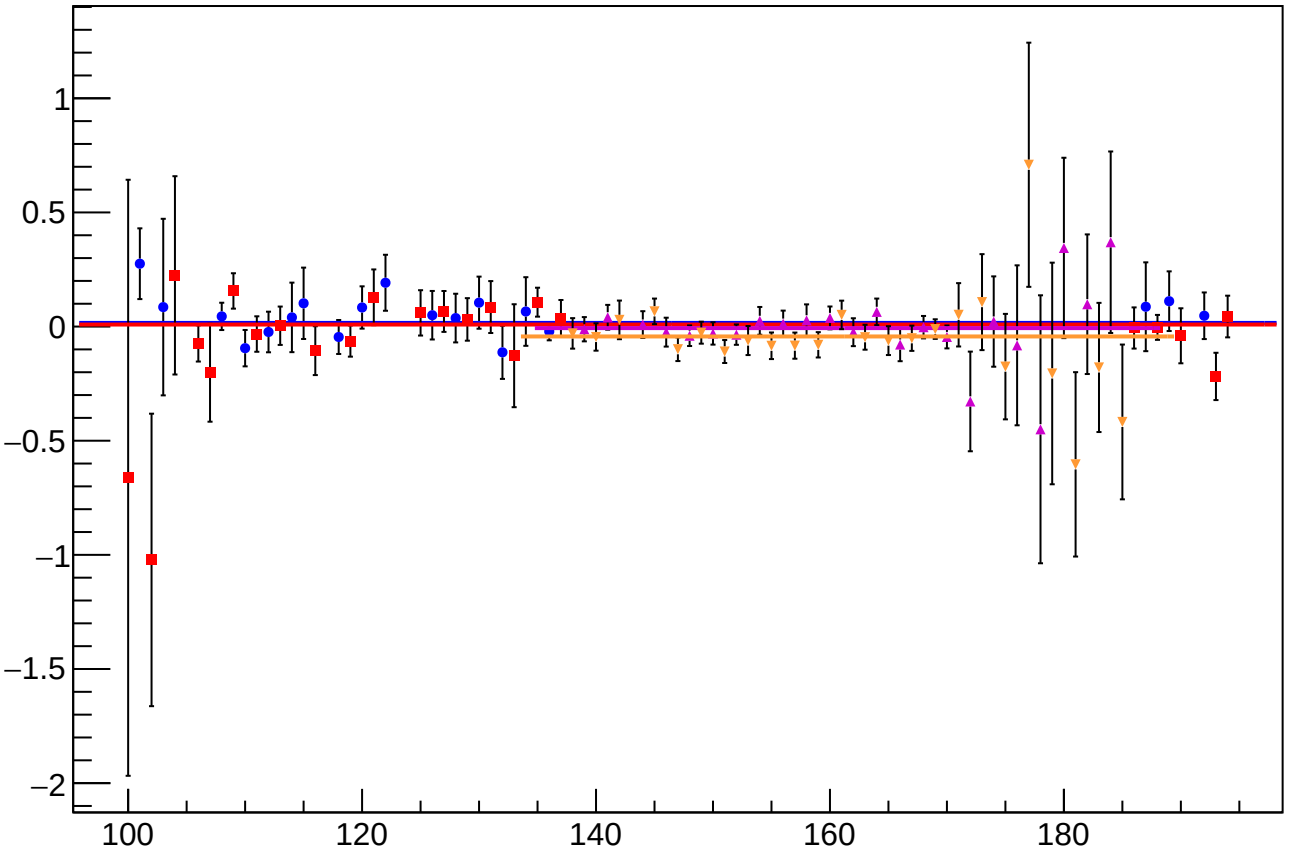
Right Out: 54.762+/-0.014 χ^2/NDF: 2735919.9/22

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 50.545+/-0.008 χ^2/NDF: 10062007.6/42

All: 50.466+/-0.006 χ^2/NDF: 19986104.2/88

\- sign 50.394+/-0.008 χ^2/NDF: 9923920.0/45



Right In: 0.016+/-0.021 χ^2/NDF: 12.5/18

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

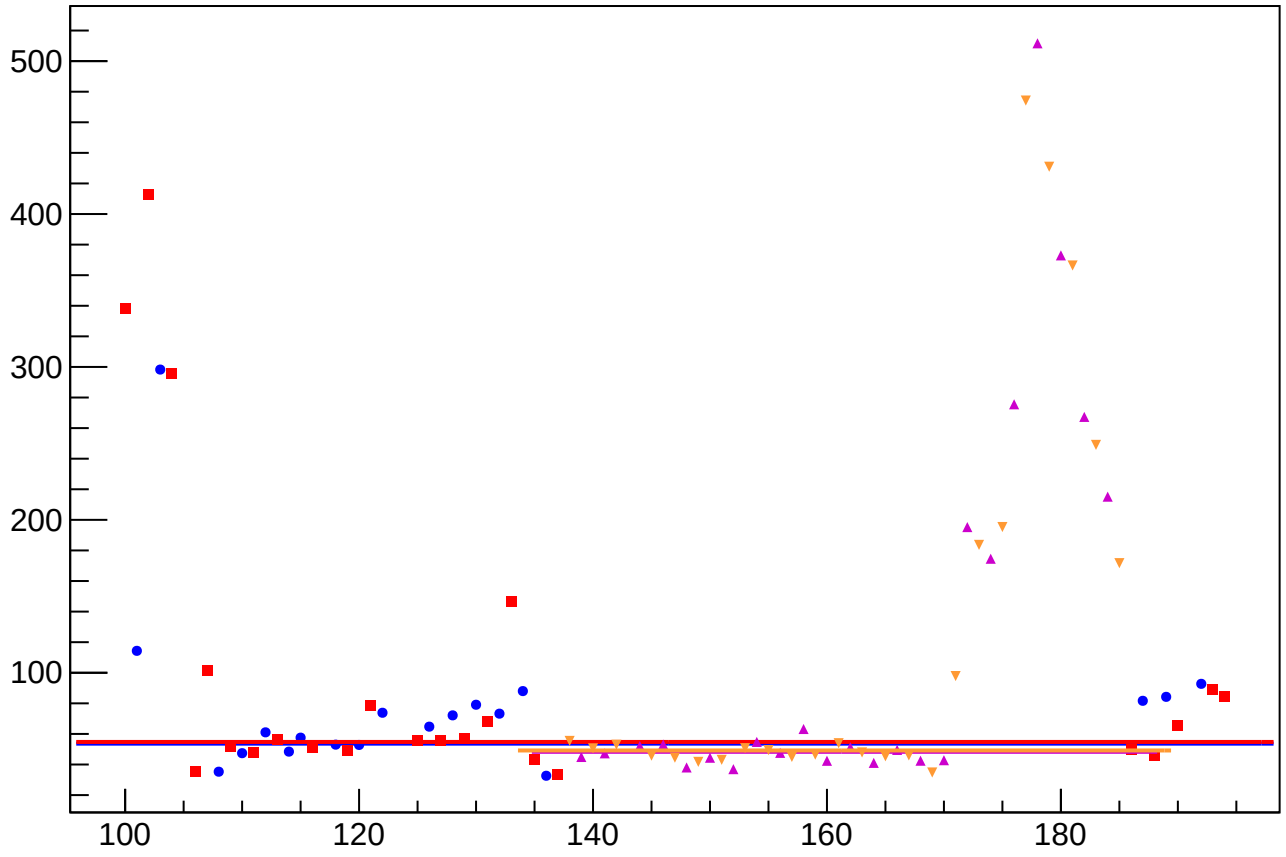
Right Out: 0.009+/-0.020 χ^2/NDF: 21.5/22

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.025+/-0.012 χ^2/NDF: 37.0/42

All: -0.013+/-0.008 χ^2/NDF: 72.4/88

- sign -0.002+/-0.011 χ^2/NDF: 33.3/45



Right In: 53.651+/-0.015 χ^2/NDF: 2748815.6/18

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

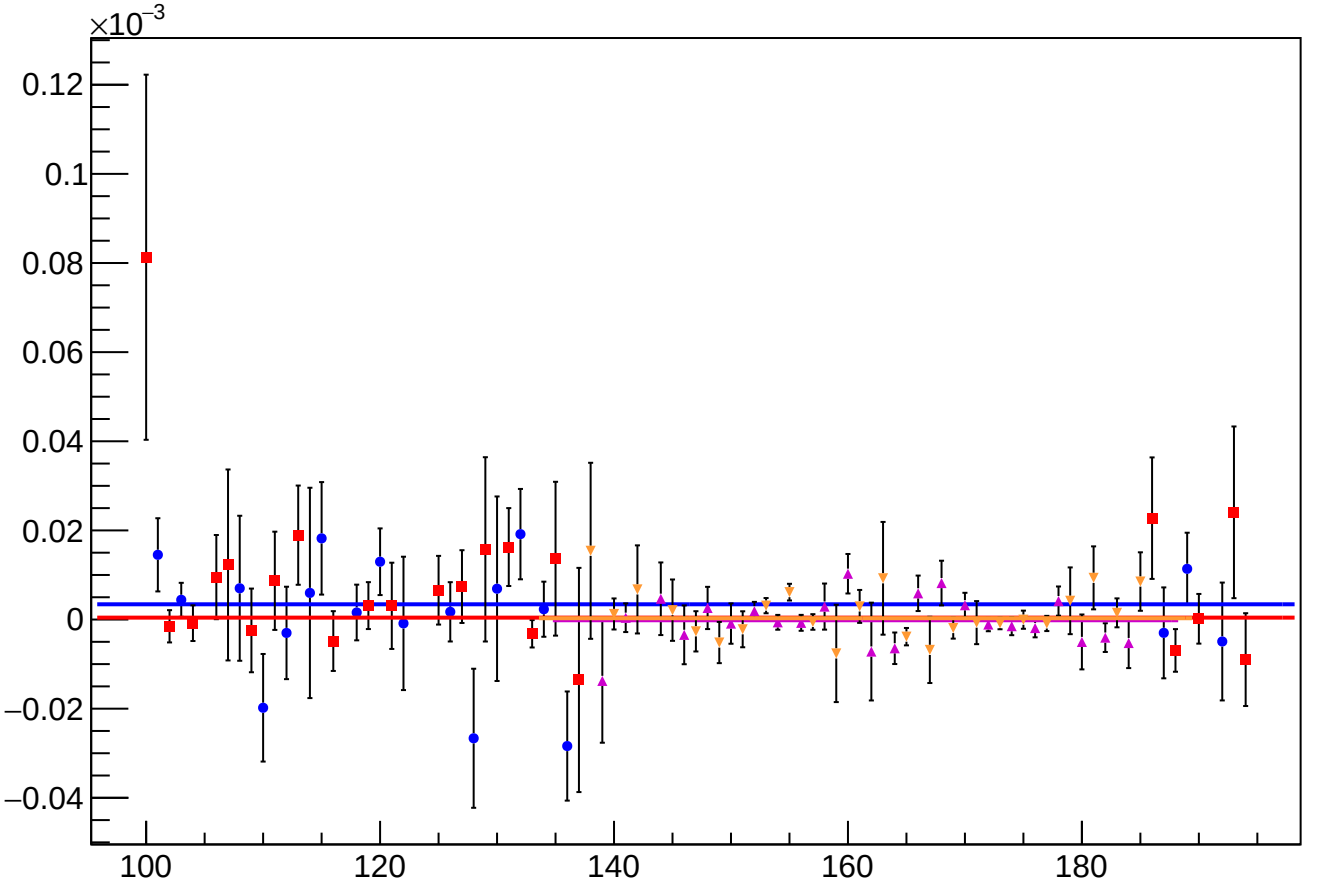
Right Out: 54.762+/-0.014 χ^2/NDF: 2735919.9/22

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

\+ sign 50.545+/-0.008 χ^2/NDF: 10062007.6/42

All: 50.466+/-0.006 χ^2/NDF: 19986104.2/88

\- sign 50.394+/-0.008 χ^2/NDF: 9923920.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

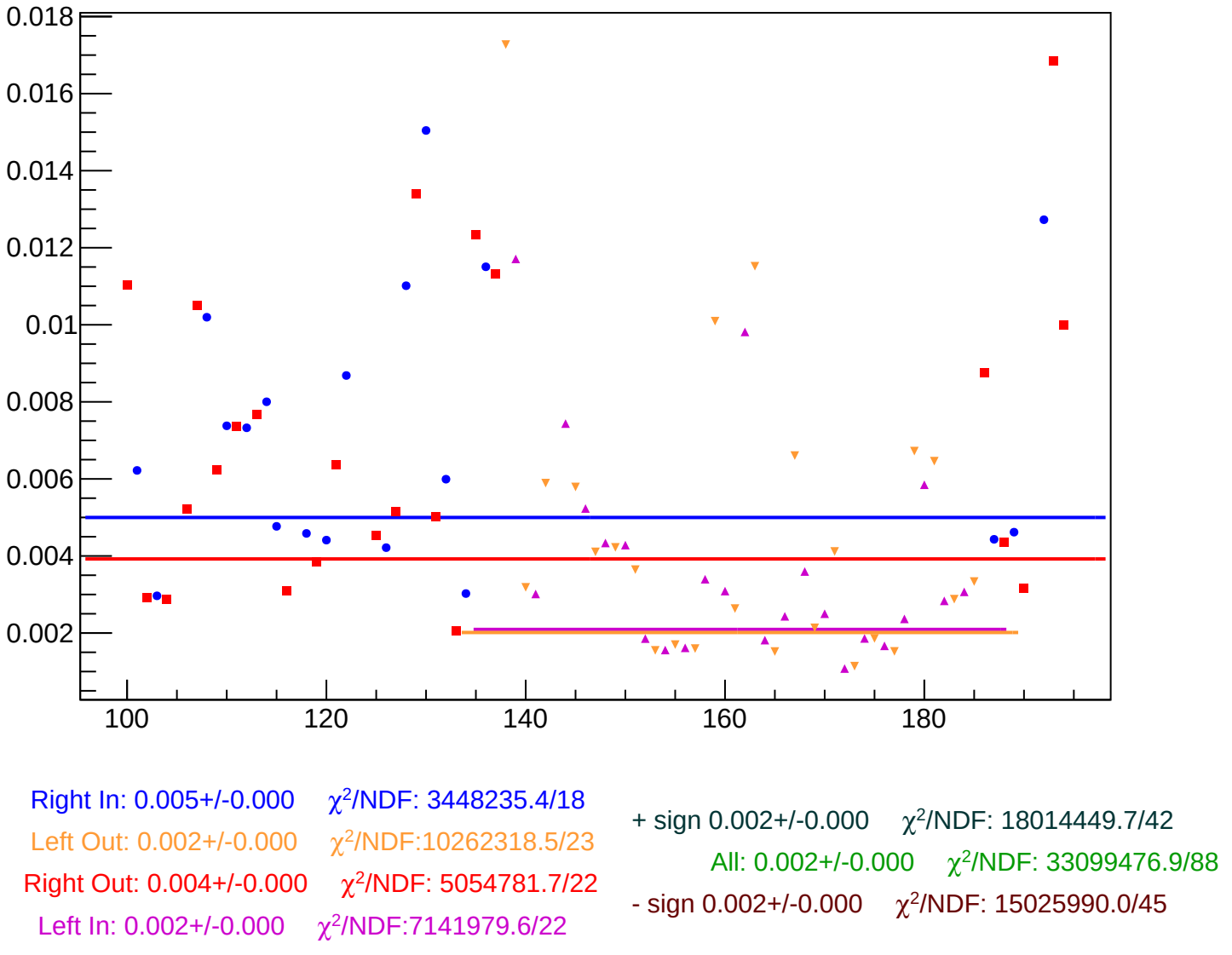
Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/22

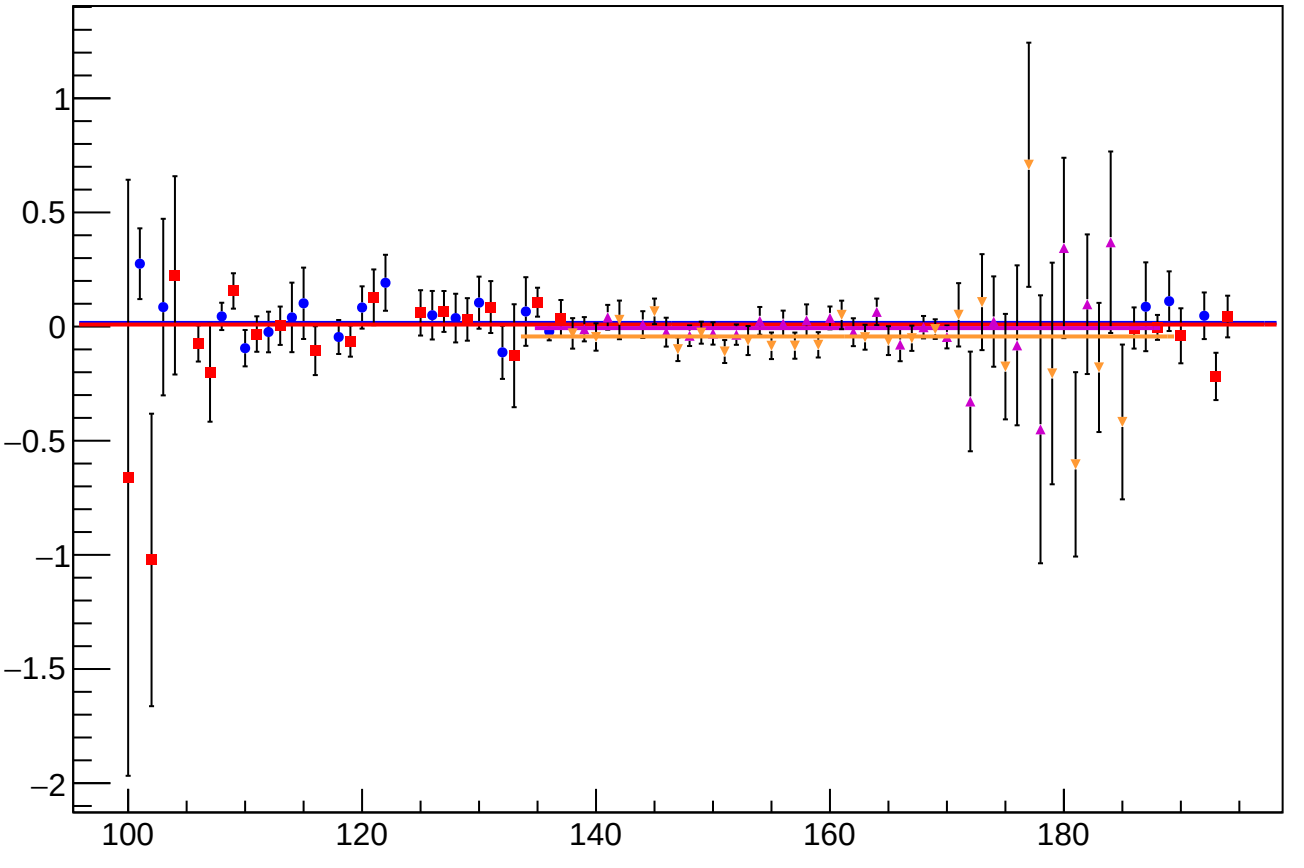
Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.1/42

All: 0.000+/-0.000 χ^2/NDF: 105.9/88

- sign -0.000+/-0.000 χ^2/NDF: 50.2/45


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: 5054781.7/22
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: 33099476.9/88
- sign 0.002+/-0.000 χ²/NDF: 15025990.0/45



Right In: 0.016+/-0.021 χ^2/NDF: 12.5/18

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

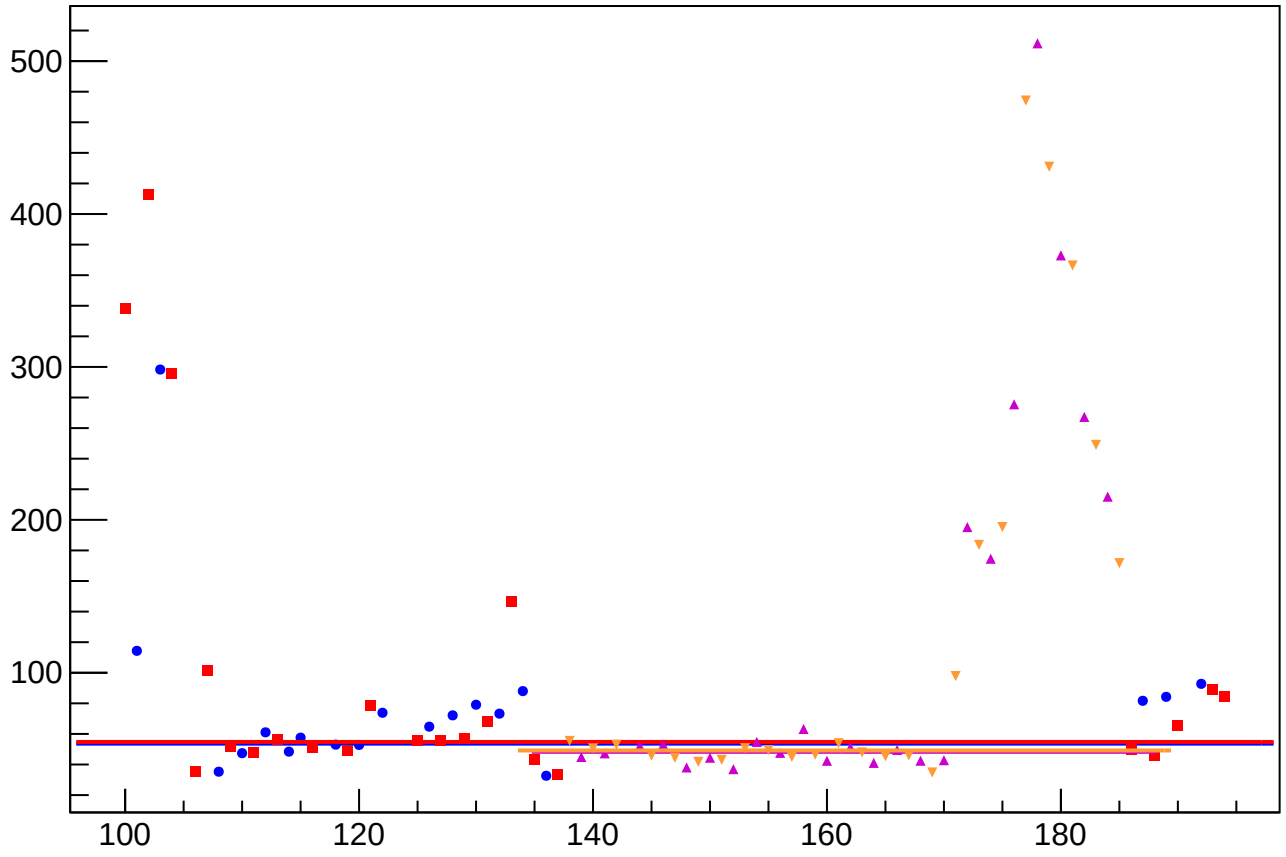
Right Out: 0.009+/-0.020 χ^2/NDF: 21.5/22

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.025+/-0.012 χ^2/NDF: 37.0/42

All: -0.013+/-0.008 χ^2/NDF: 72.4/88

- sign -0.002+/-0.011 χ^2/NDF: 33.3/45



Right In: 53.652+/-0.015 χ^2/NDF: 2748666.0/18

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

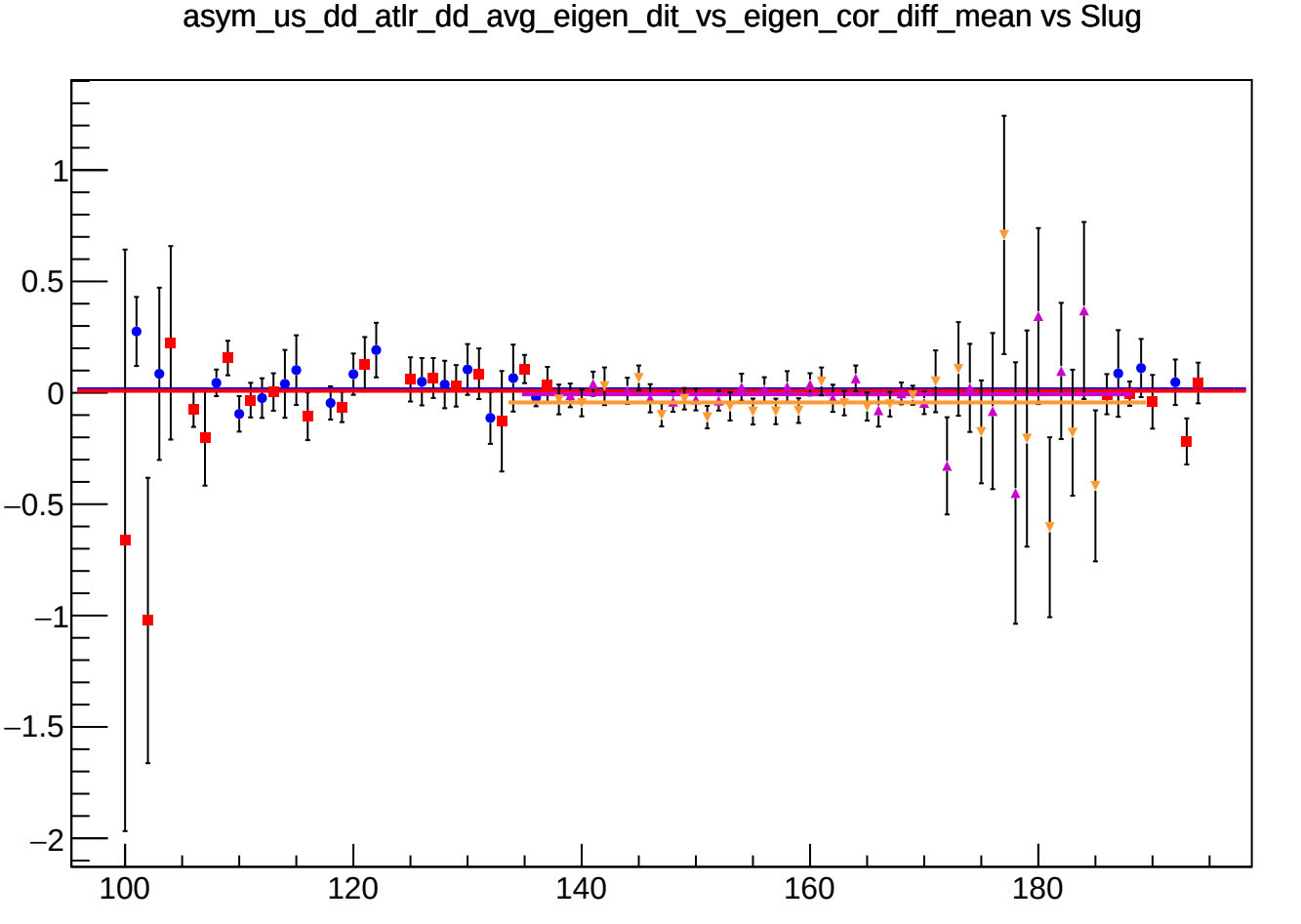
Right Out: 54.763+/-0.014 χ^2/NDF: 2735740.9/22

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 50.544+/-0.008 χ^2/NDF: 10061889.5/42

All: 50.466+/-0.006 χ^2/NDF: 19985743.1/88

\- sign 50.394+/-0.008 χ^2/NDF: 9923678.3/45



Right In: 0.016+/-0.021 χ^2/NDF: 12.5/18

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

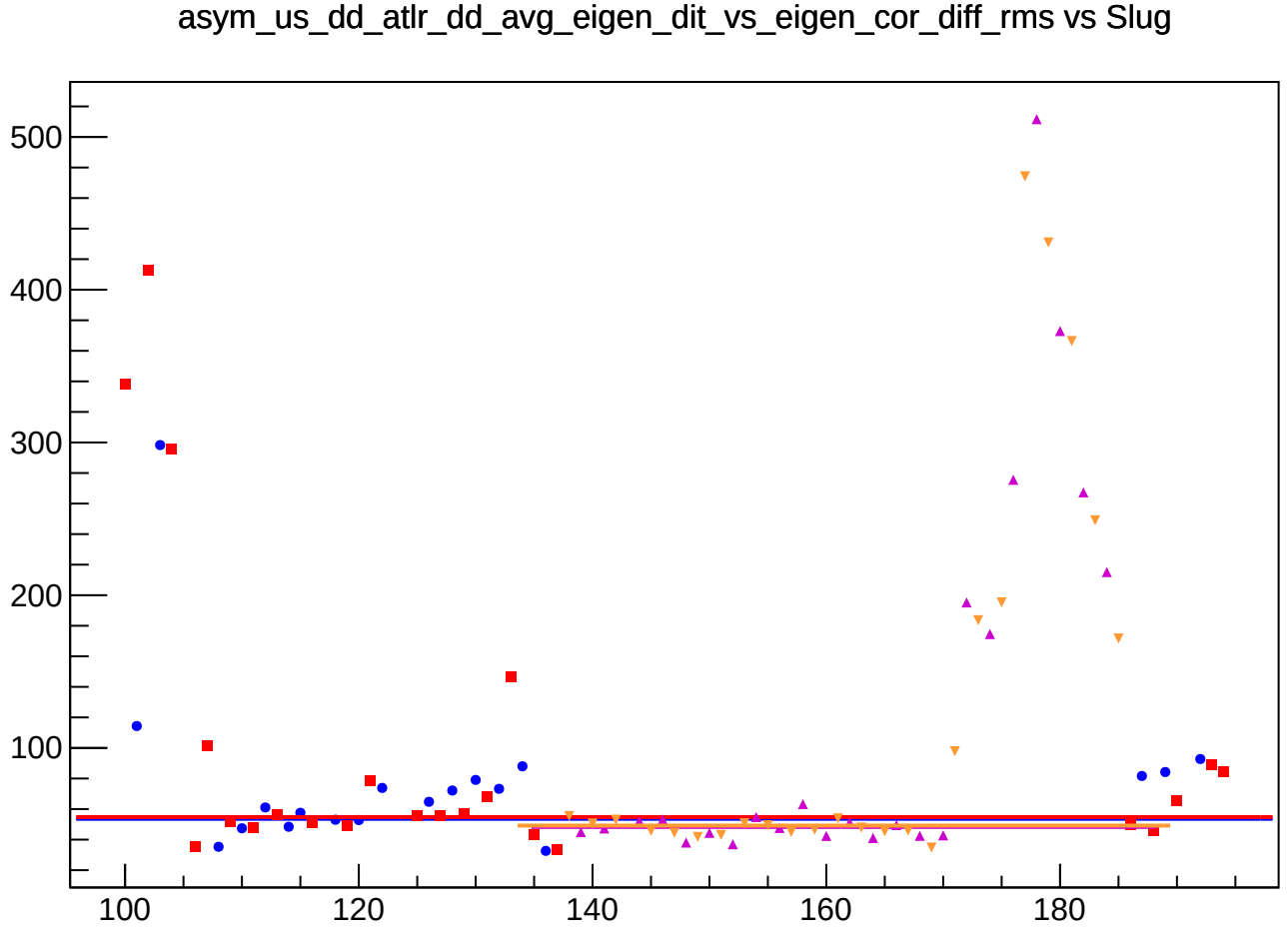
Right Out: 0.009+/-0.020 χ^2/NDF: 21.5/22

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.025+/-0.012 χ^2/NDF: 37.0/42

All: -0.013+/-0.008 χ^2/NDF: 72.4/88

- sign -0.002+/-0.011 χ^2/NDF: 33.3/45



Right In: 53.652+/-0.015 χ^2/NDF: 2748666.0/18

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

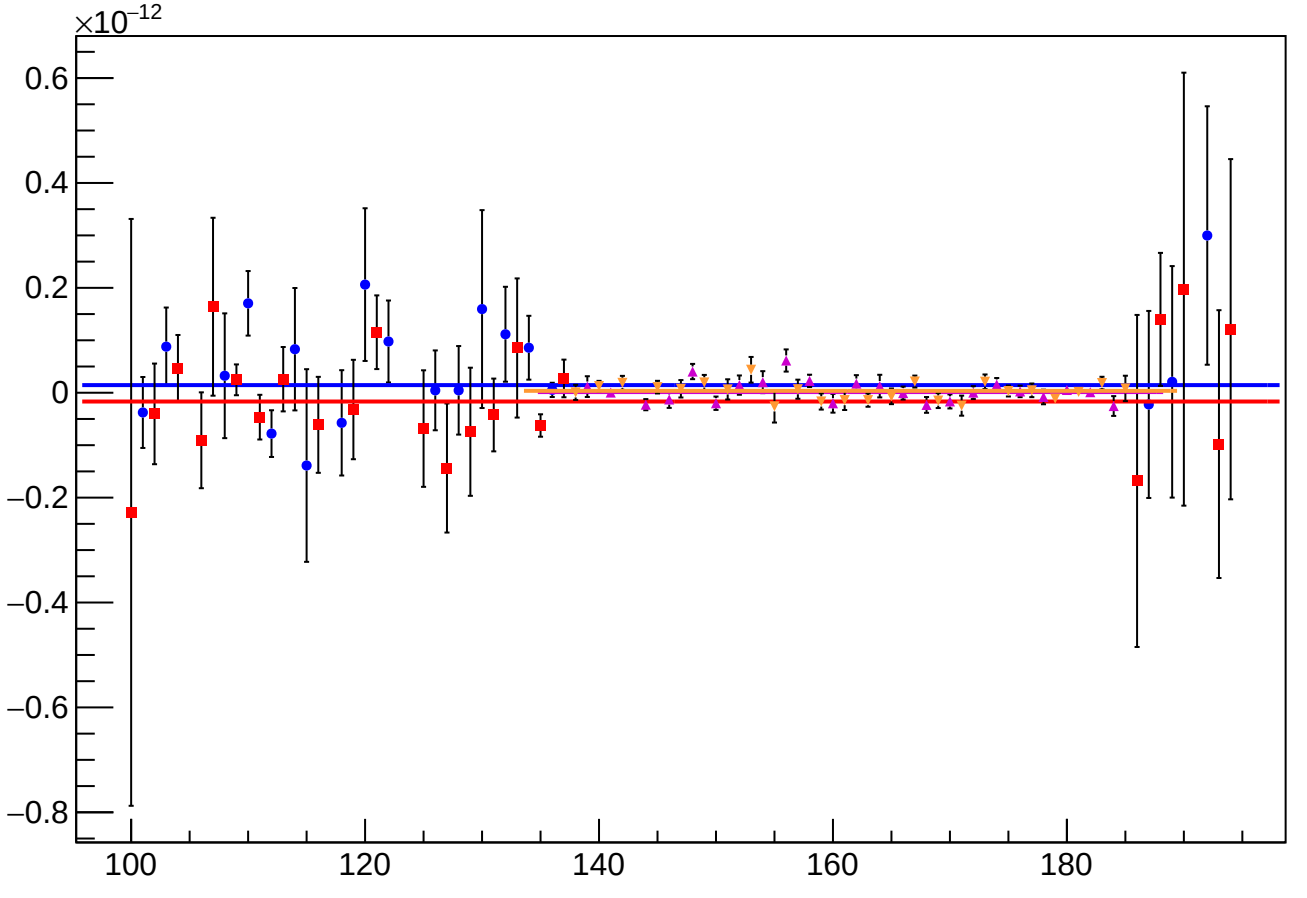
Right Out: 54.763+/-0.014 χ^2/NDF: 2735740.9/22

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 50.544+/-0.008 χ^2/NDF: 10061889.5/42

All: 50.466+/-0.006 χ^2/NDF: 19985743.1/88

\- sign 50.394+/-0.008 χ^2/NDF: 9923678.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

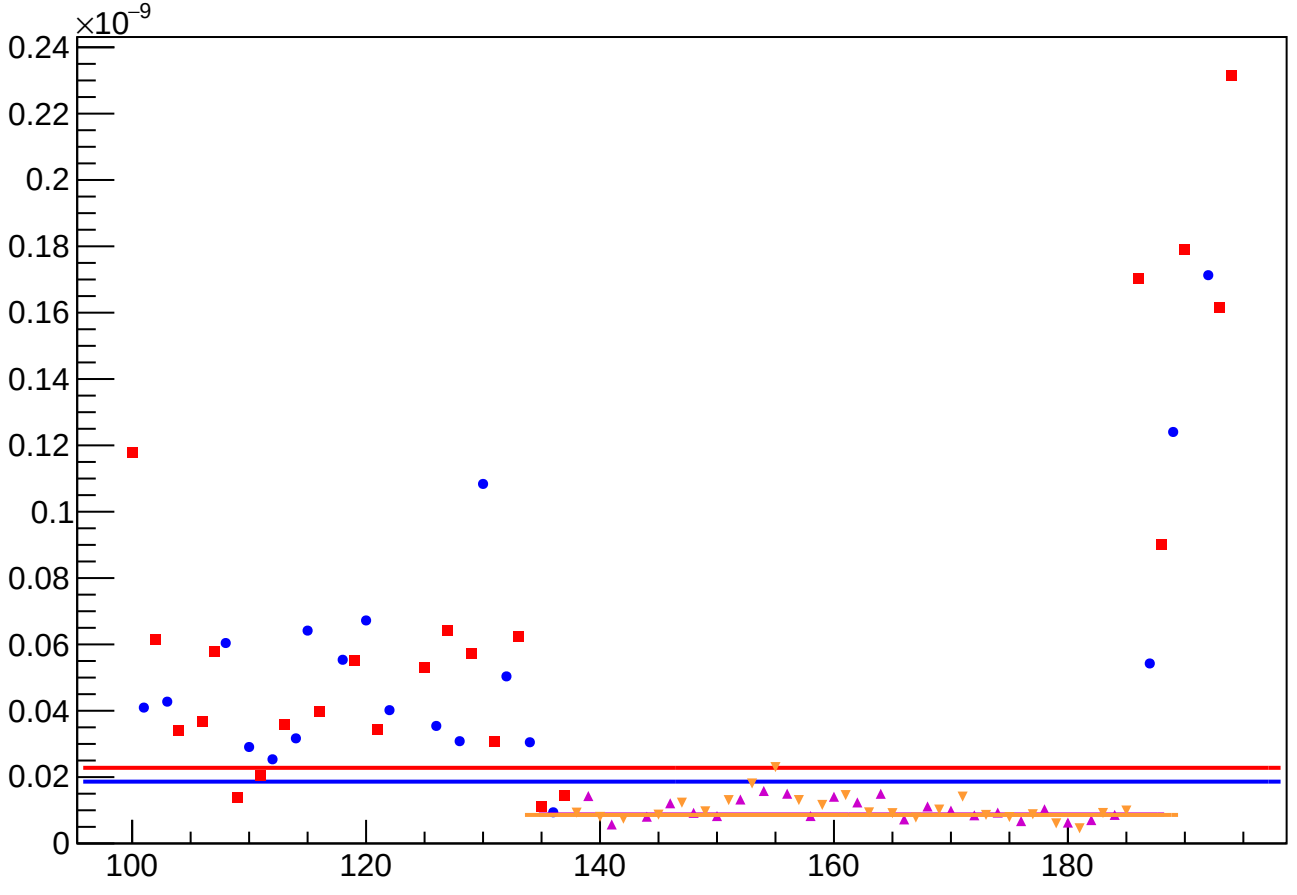
Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/22

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.2/42

All: 0.000+/-0.000 χ^2/NDF: 110.6/88

- sign 0.000+/-0.000 χ^2/NDF: 62.4/45



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: 5358475.2/22

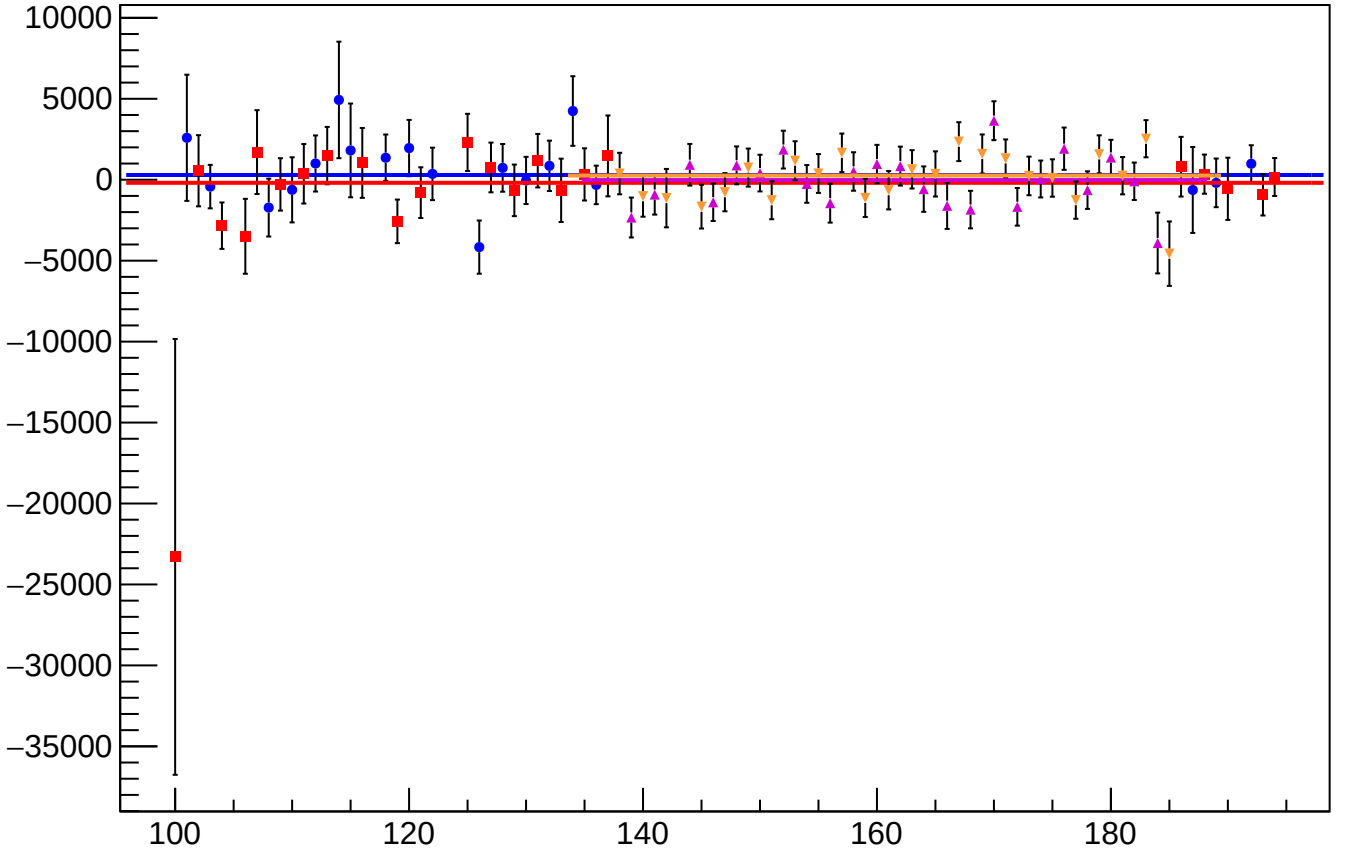
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8711367.1/42

All: 0.000+/-0.000 χ^2/NDF: 18468659.1/88

- sign 0.000+/-0.000 χ^2/NDF: 9747257.7/45

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: -190.146+/-351.213 χ^2/NDF: 18.4/22

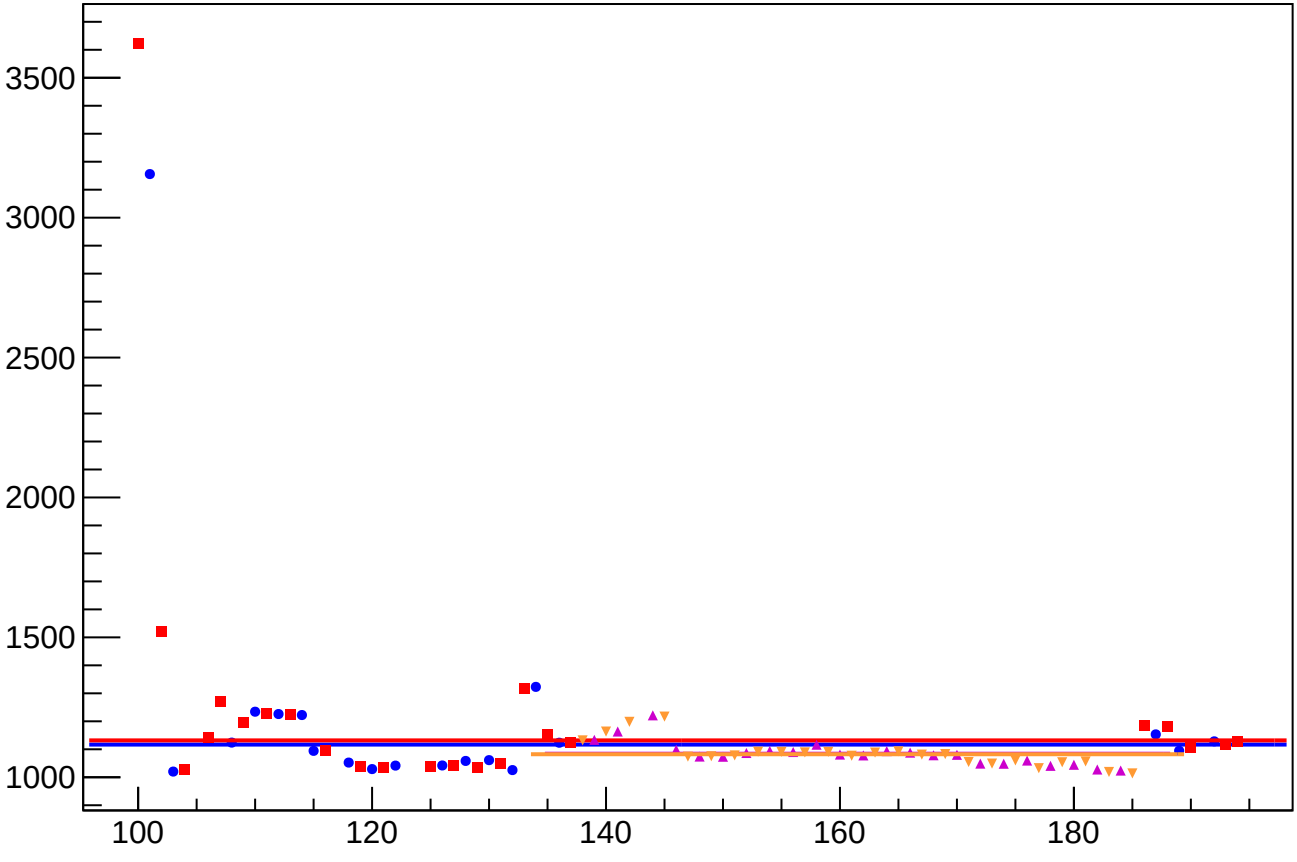
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 270.613+/-209.817 χ^2/NDF: 45.8/42

All: 91.738+/-146.798 χ^2/NDF: 101.5/88

- sign -79.786+/-205.460 χ^2/NDF: 54.3/45

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

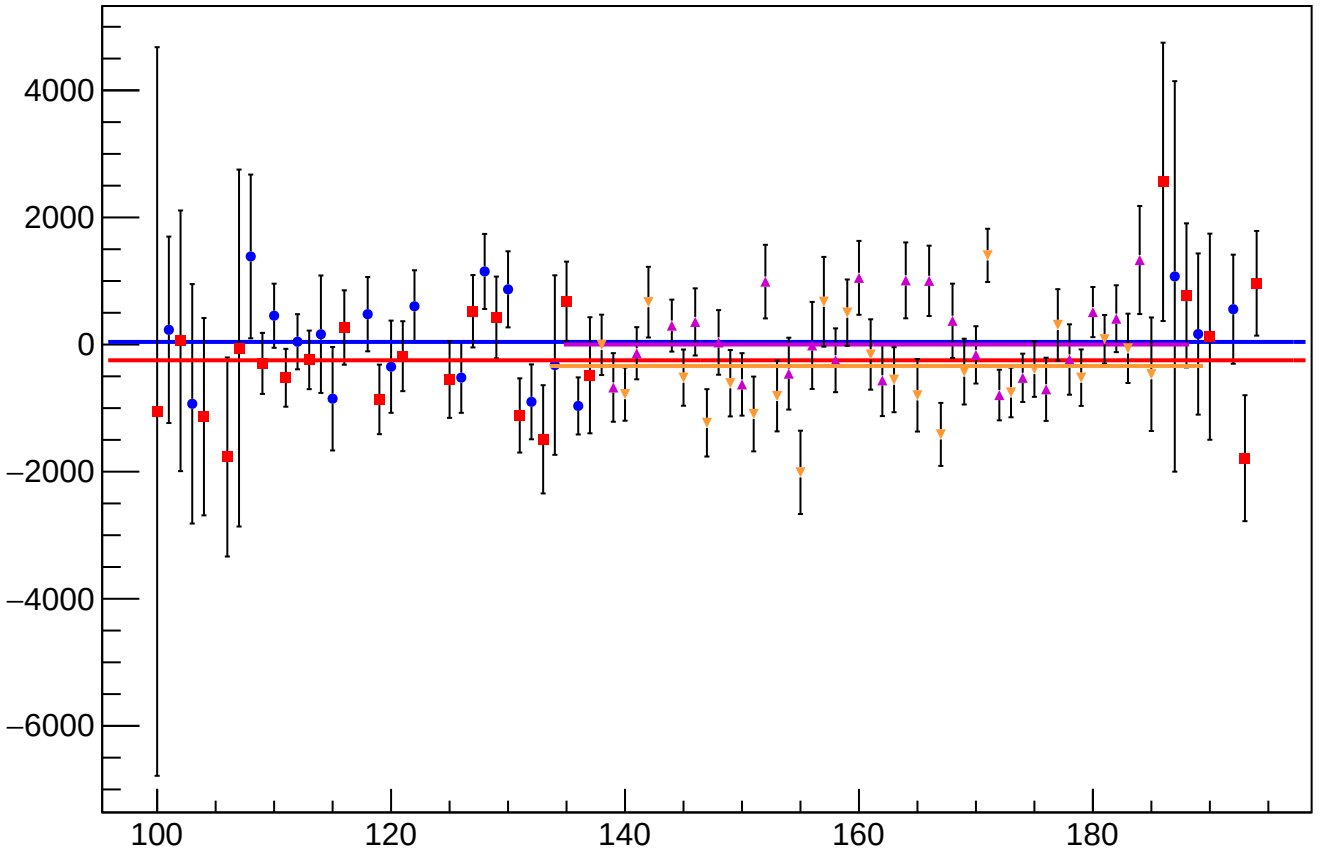
Right Out: 1131.805+/-0.248 χ^2/NDF: 228346.3/22

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1092.785+/-0.148 χ^2/NDF: 693729.4/42

All: 1096.708+/-0.104 χ^2/NDF: 1001088.3/88

- sign 1100.469+/-0.145 χ^2/NDF: 305989.3/45



Right In: 41.489+/-157.036 χ^2/NDF: 19.7/18

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

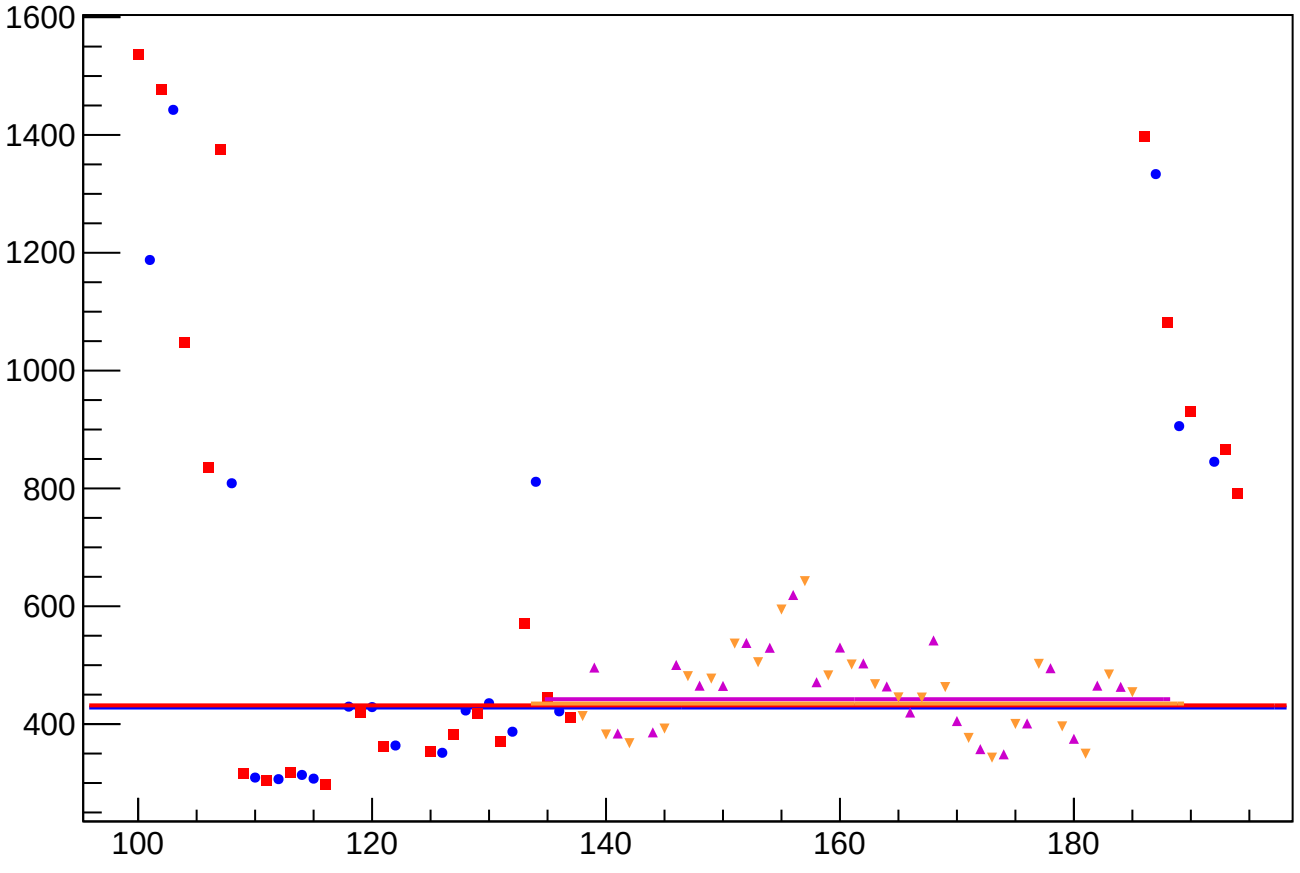
Right Out: -247.499+/-149.317 χ^2/NDF: 20.7/22

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -224.276+/-85.893 χ^2/NDF: 72.6/42

All: -152.637+/-60.683 χ^2/NDF: 128.3/88

- sign -81.247+/-85.743 χ^2/NDF: 54.4/45



Right In: 428.136+/-0.111 χ^2/NDF: 2786289.0/18

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 431.758+/-0.106 χ^2/NDF: 3931334.2/22

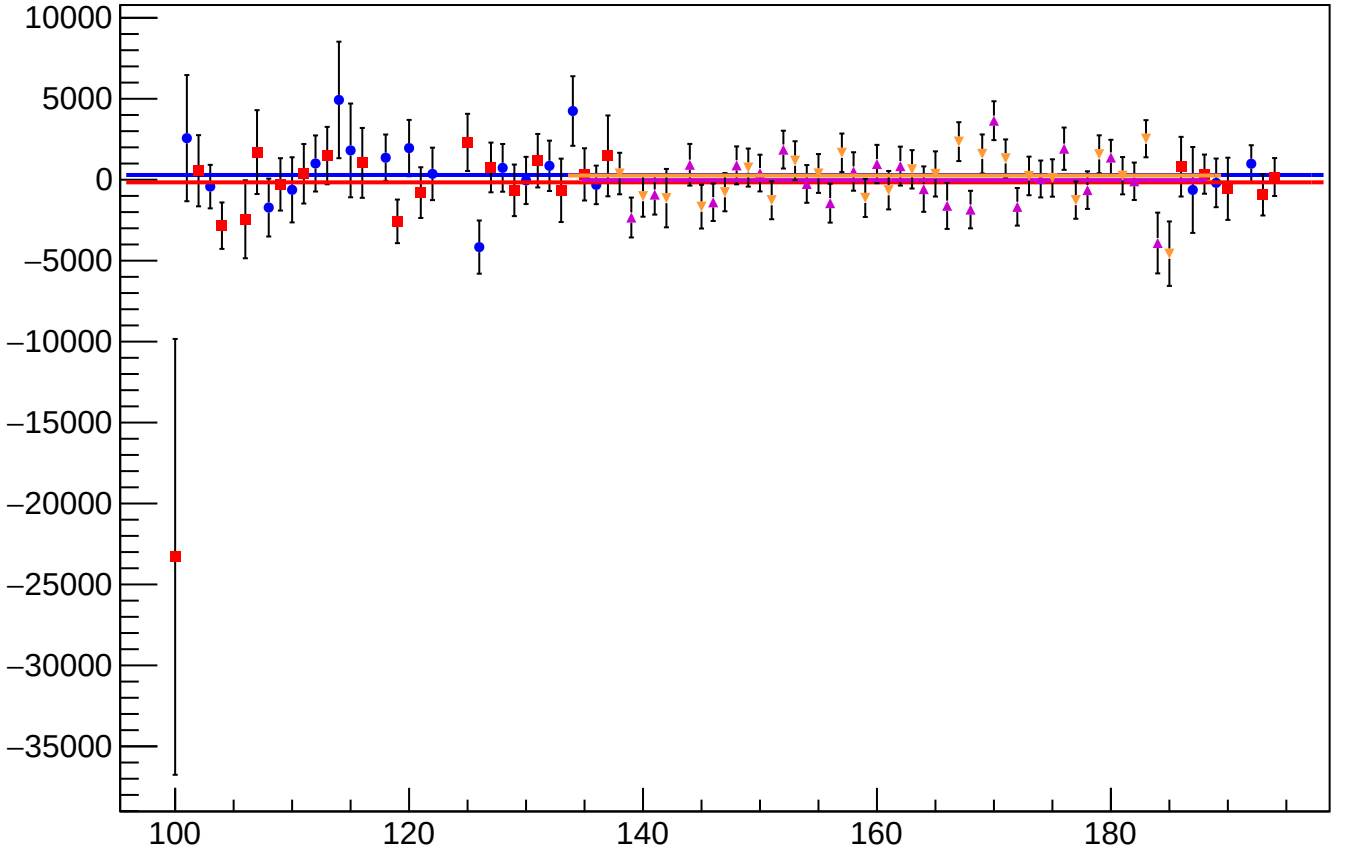
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 432.847+/-0.061 χ^2/NDF: 3667274.0/42

All: 435.810+/-0.043 χ^2/NDF: 8435897.9/88

- sign 438.762+/-0.061 χ^2/NDF: 4763872.9/45

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: -161.871+/-351.526 χ^2/NDF: 17.2/22

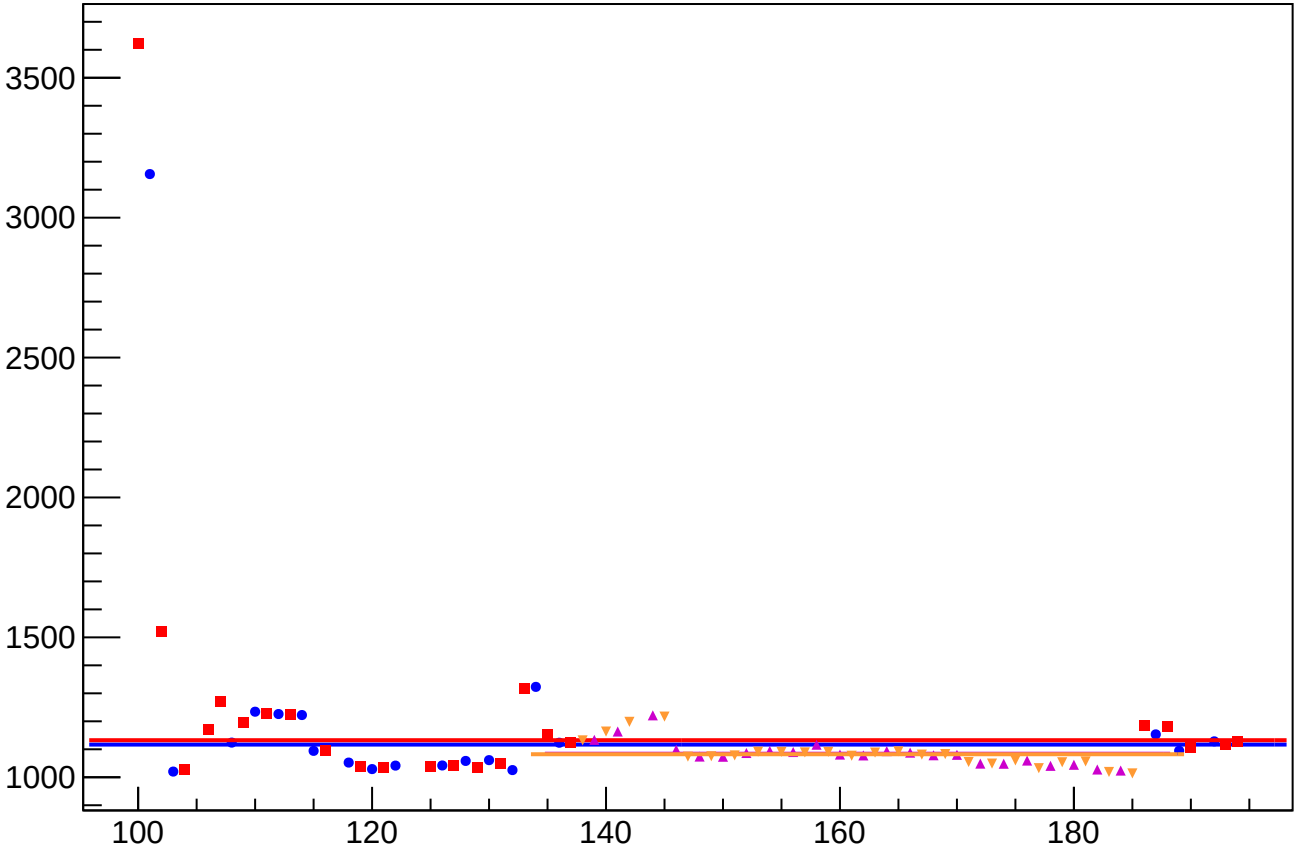
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 270.519+/-209.817 χ^2/NDF: 45.8/42

All: 96.714+/-146.821 χ^2/NDF: 100.2/88

- sign -70.050+/-205.523 χ^2/NDF: 53.1/45

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

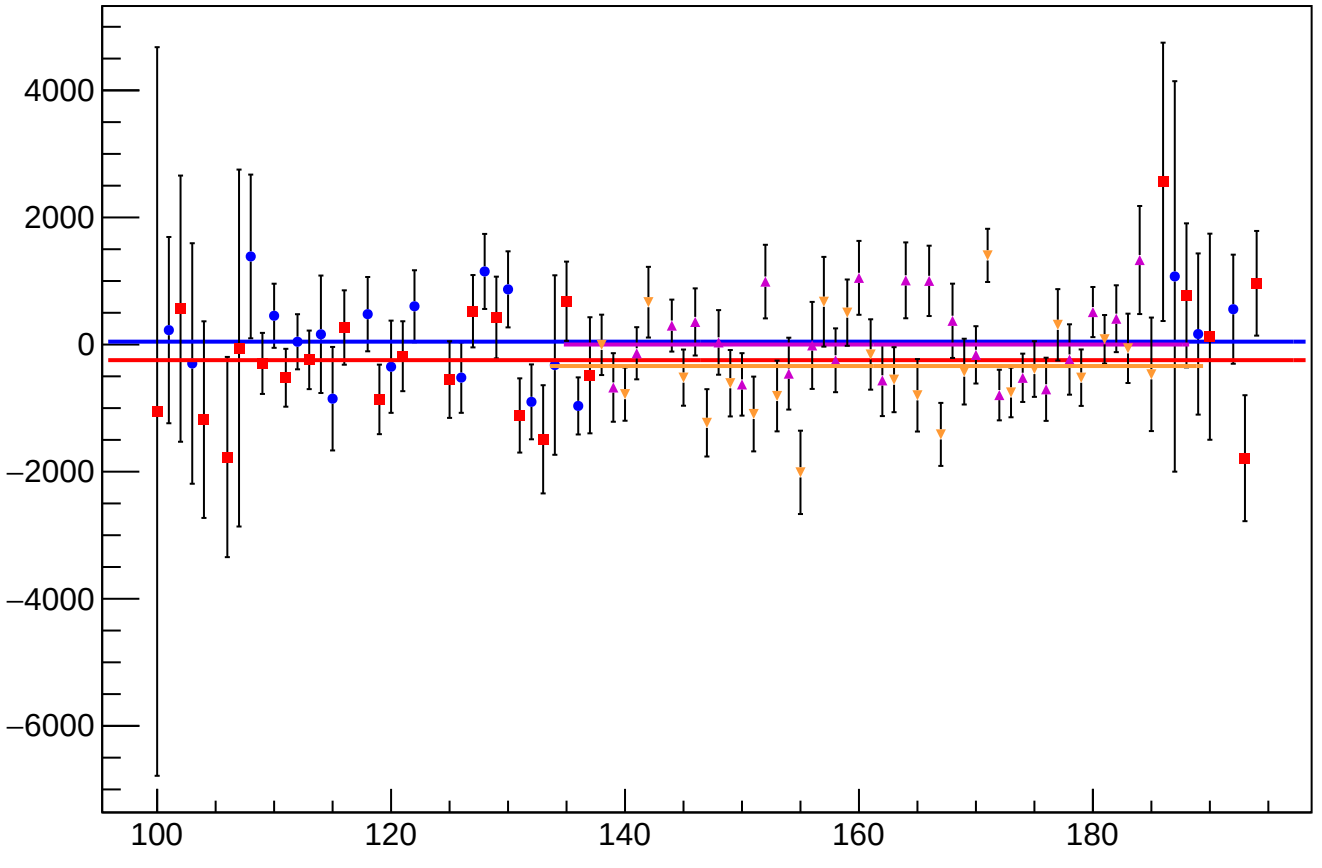
Right Out: 1132.458+/-0.249 χ^2/NDF: 228862.1/22

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1092.785+/-0.148 χ^2/NDF: 693730.3/42

All: 1096.811+/-0.104 χ^2/NDF: 1002316.8/88

- sign 1100.673+/-0.145 χ^2/NDF: 307143.6/45



Right In: 45.721+/-157.037 χ^2/NDF: 19.5/18

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

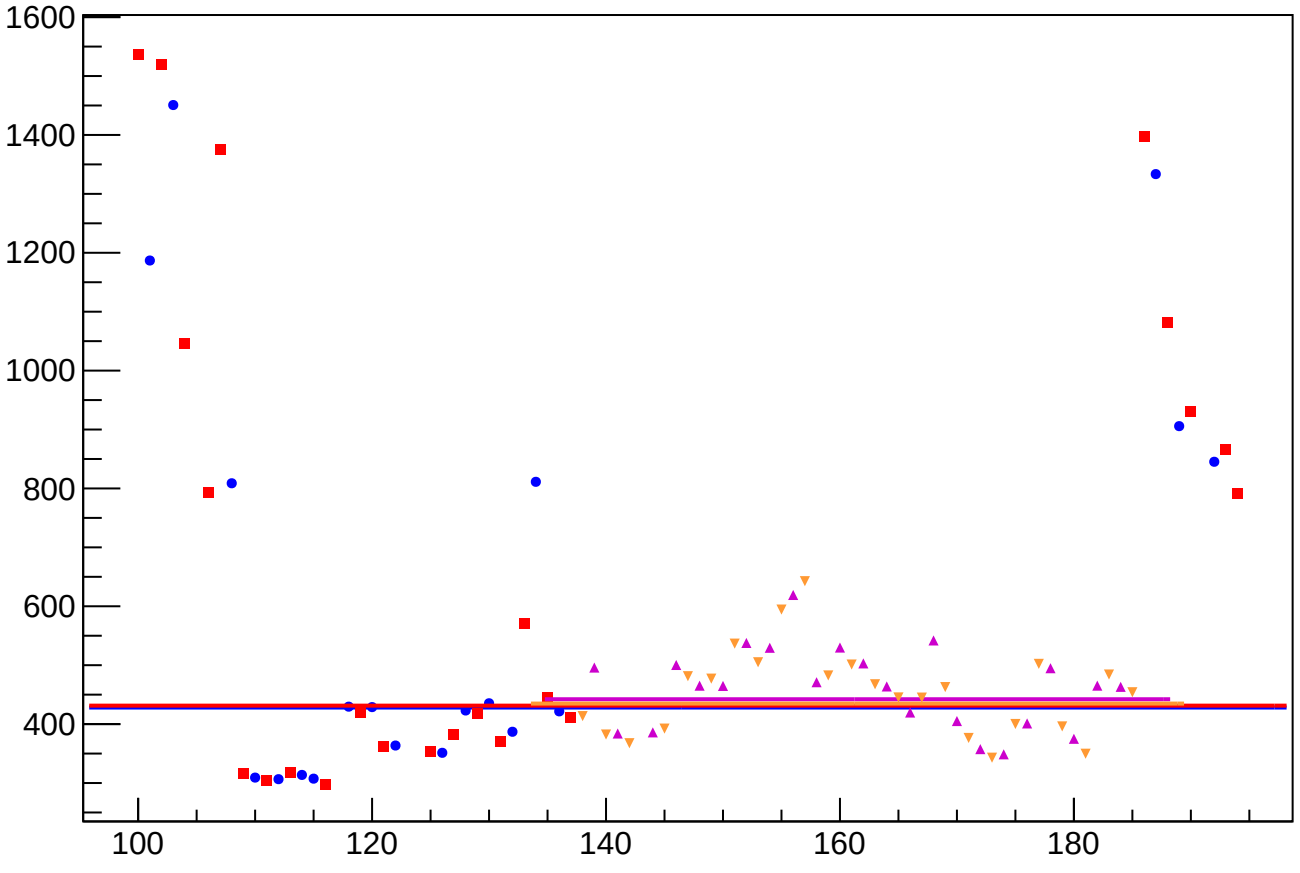
Right Out: -245.362+/-149.337 χ^2/NDF: 20.8/22

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -223.074+/-85.893 χ^2/NDF: 72.4/42

All: -151.673+/-60.684 χ^2/NDF: 128.3/88

- sign -80.514+/-85.747 χ^2/NDF: 54.5/45



Right In: 428.125+/-0.111 χ^2/NDF: 2790016.6/18

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 431.346+/-0.106 χ^2/NDF: 3922808.2/22

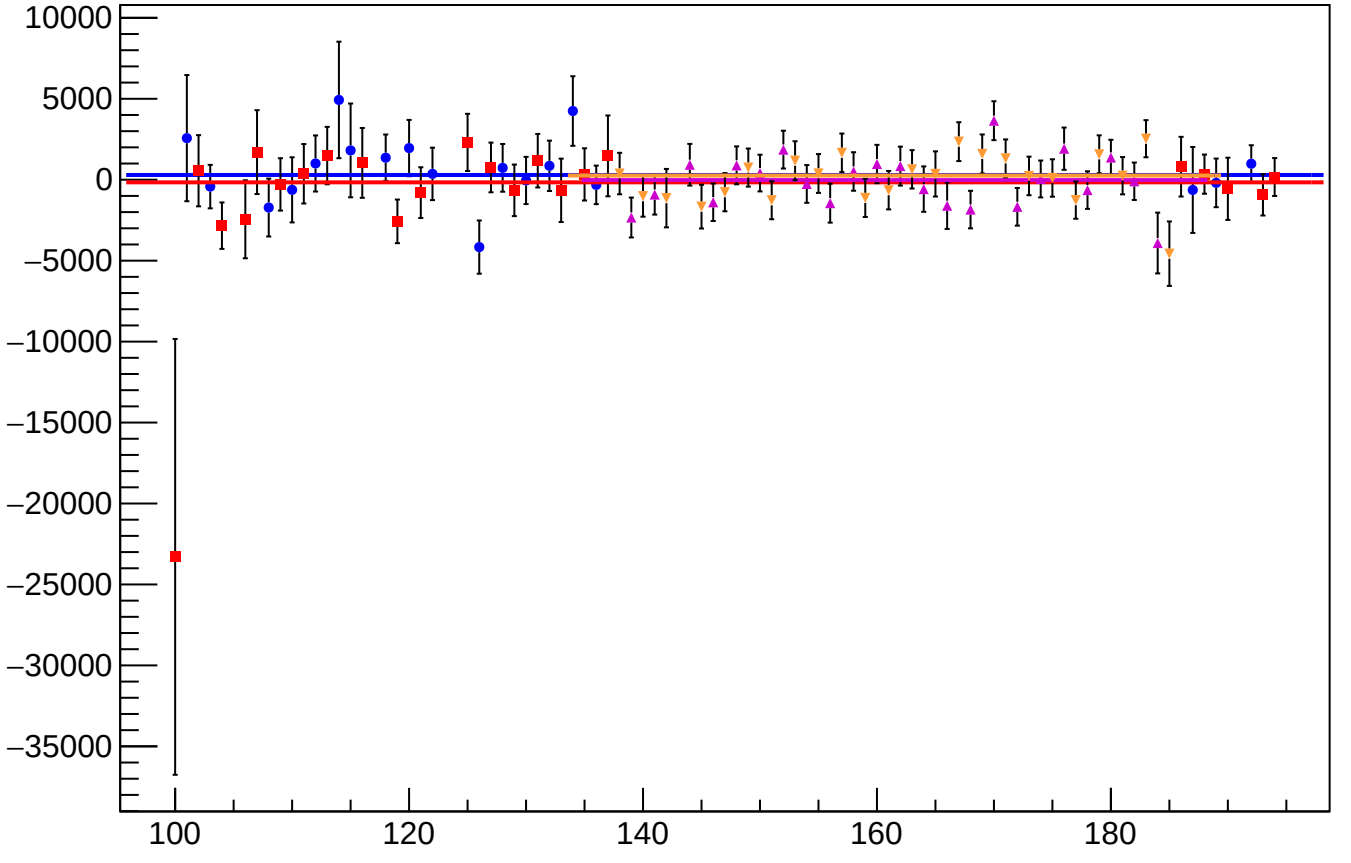
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 432.842+/-0.061 χ^2/NDF: 3671098.9/42

All: 435.740+/-0.043 χ^2/NDF: 8431391.4/88

- sign 438.628+/-0.061 χ^2/NDF: 4755747.4/45

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: -161.871+/-351.526 χ^2/NDF: 17.2/22

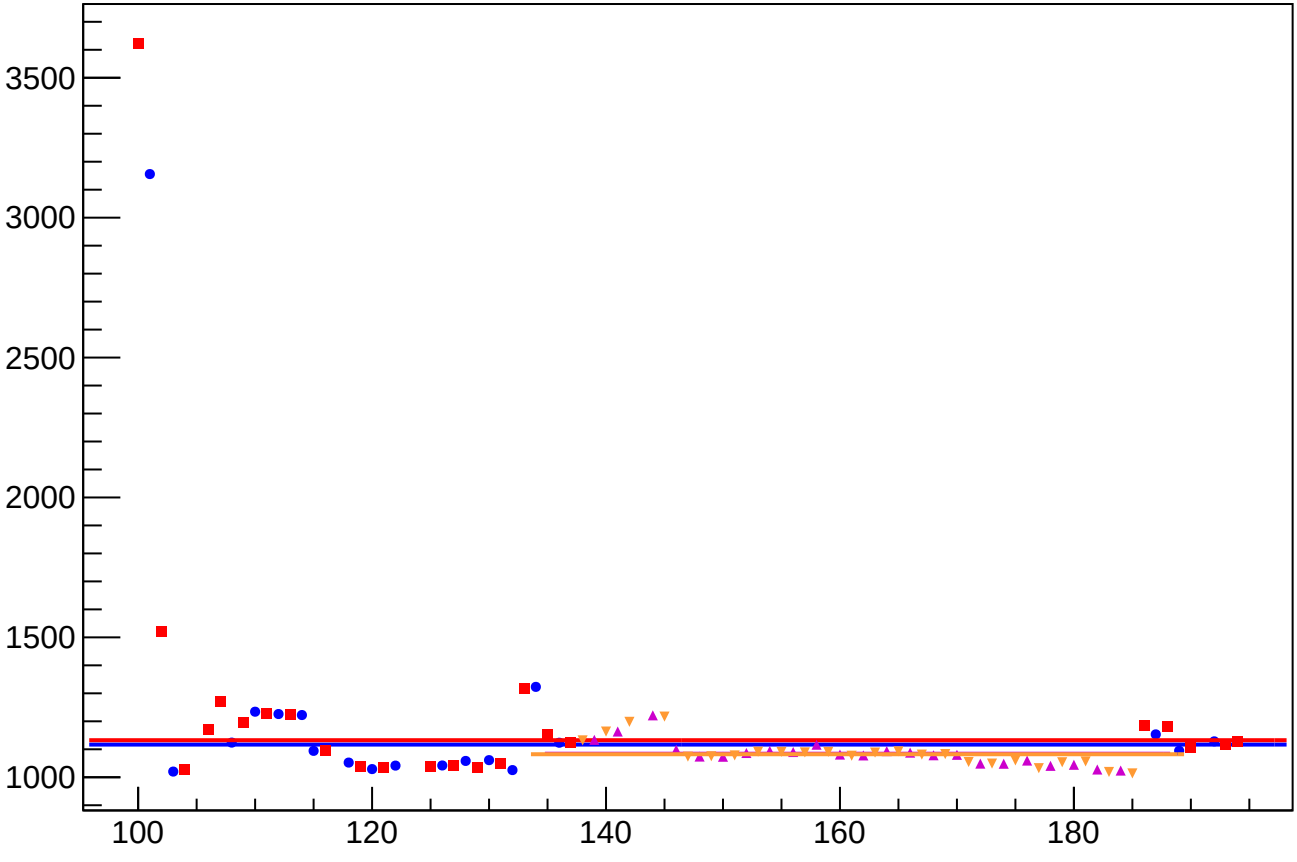
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 270.519+/-209.817 χ^2/NDF: 45.8/42

All: 96.714+/-146.821 χ^2/NDF: 100.2/88

- sign -70.050+/-205.523 χ^2/NDF: 53.1/45

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

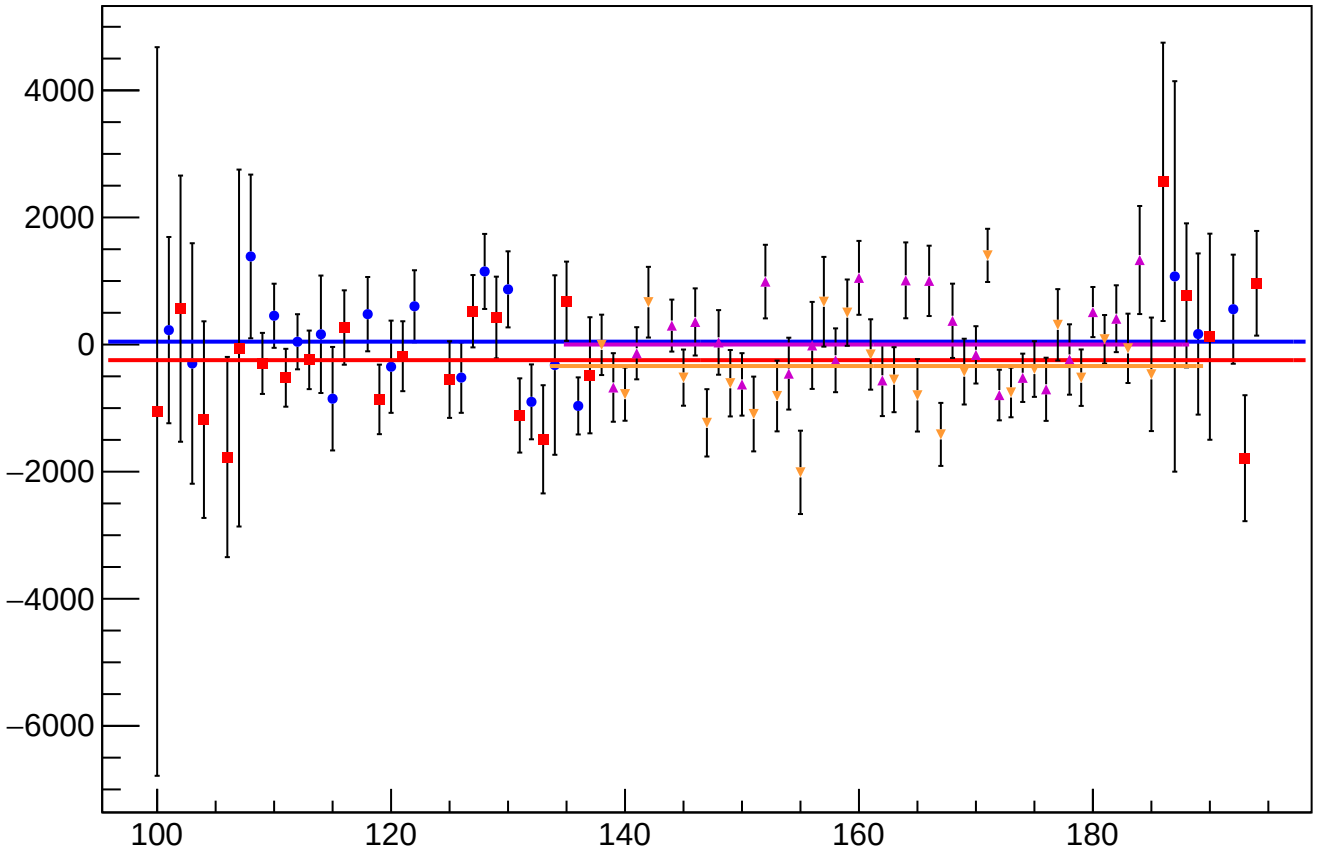
Right Out: 1132.458+/-0.249 χ^2/NDF: 228862.1/22

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1092.785+/-0.148 χ^2/NDF: 693730.3/42

All: 1096.811+/-0.104 χ^2/NDF: 1002316.8/88

- sign 1100.673+/-0.145 χ^2/NDF: 307143.6/45



Right In: 45.721+/-157.037 χ^2/NDF: 19.5/18

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

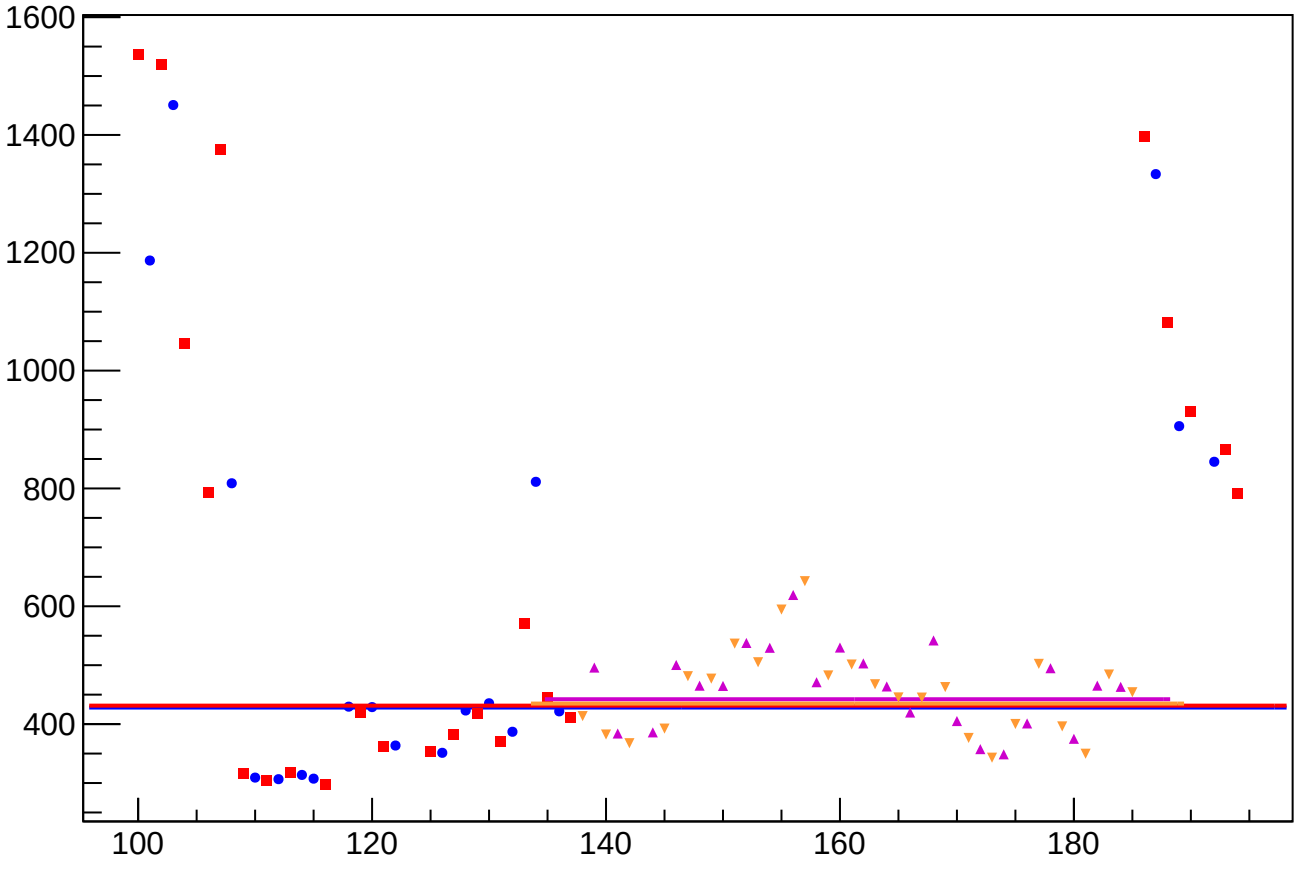
Right Out: -245.362+/-149.337 χ^2/NDF: 20.8/22

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

\+ sign -223.074+/-85.893 χ^2/NDF: 72.4/42

All: -151.673+/-60.684 χ^2/NDF: 128.3/88

\- sign -80.514+/-85.747 χ^2/NDF: 54.5/45



Right In: 428.125+/-0.111 χ^2/NDF: 2790016.6/18

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

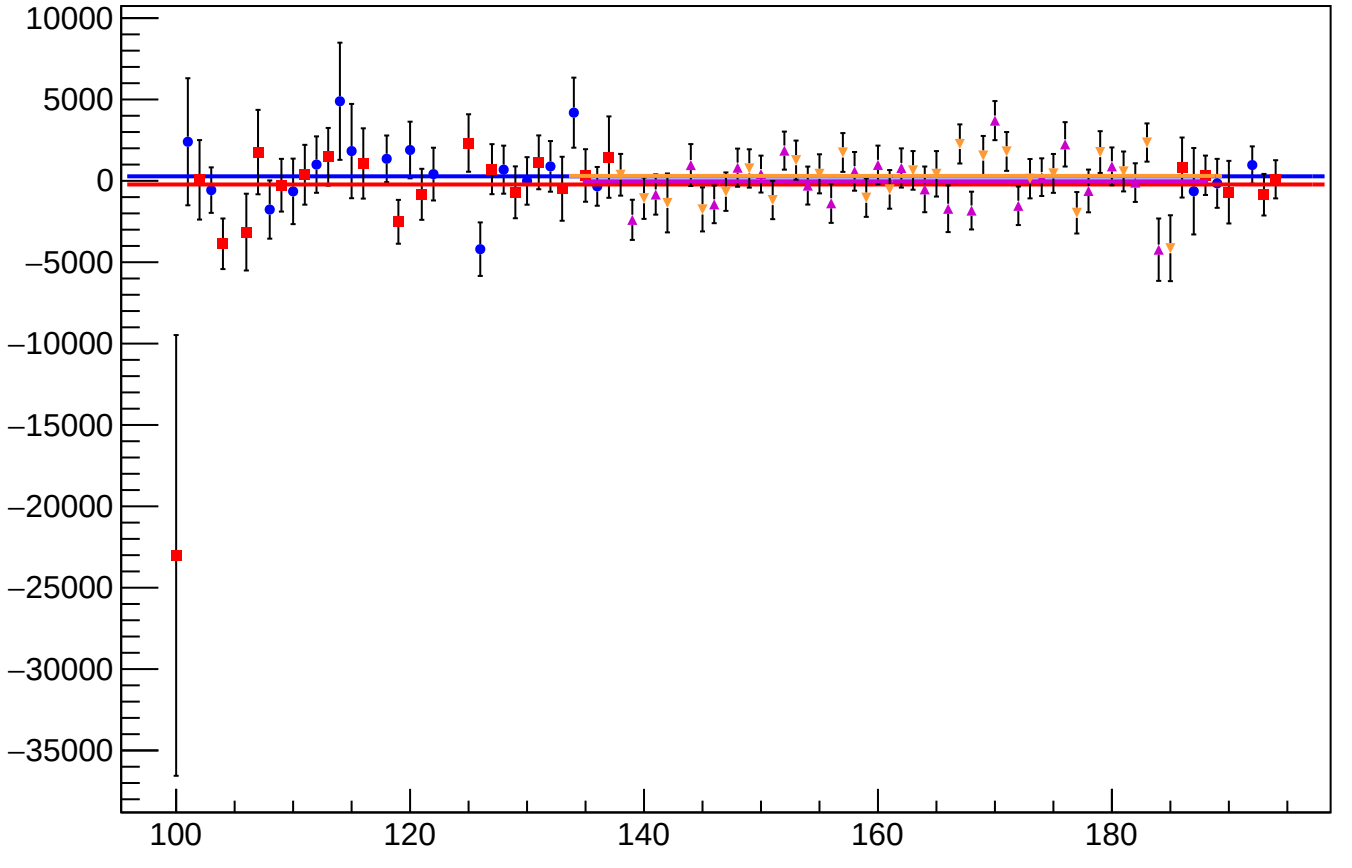
Right Out: 431.346+/-0.106 χ^2/NDF: 3922808.2/22

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

\+ sign 432.842+/-0.061 χ^2/NDF: 3671098.9/42

All: 435.740+/-0.043 χ^2/NDF: 8431391.4/88

\- sign 438.628+/-0.061 χ^2/NDF: 4755747.4/45



Right In: 278.499+/-382.374 χ^2/NDF: 17.5/18

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -222.782+/-354.087 χ^2/NDF: 19.6/22

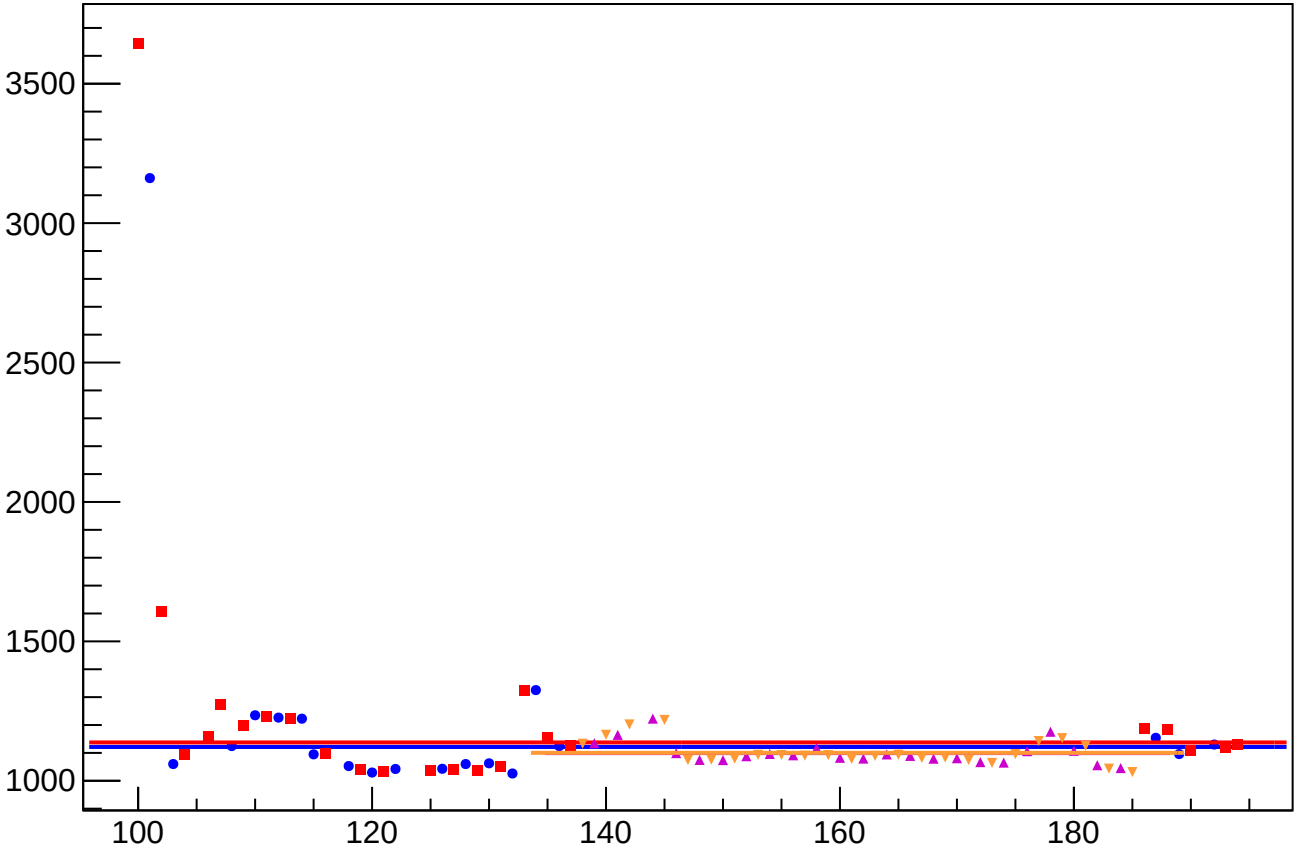
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 295.714+/-212.471 χ^2/NDF: 46.0/42

All: 96.941+/-148.604 χ^2/NDF: 103.4/88

- sign -93.404+/-207.919 χ^2/NDF: 55.7/45

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

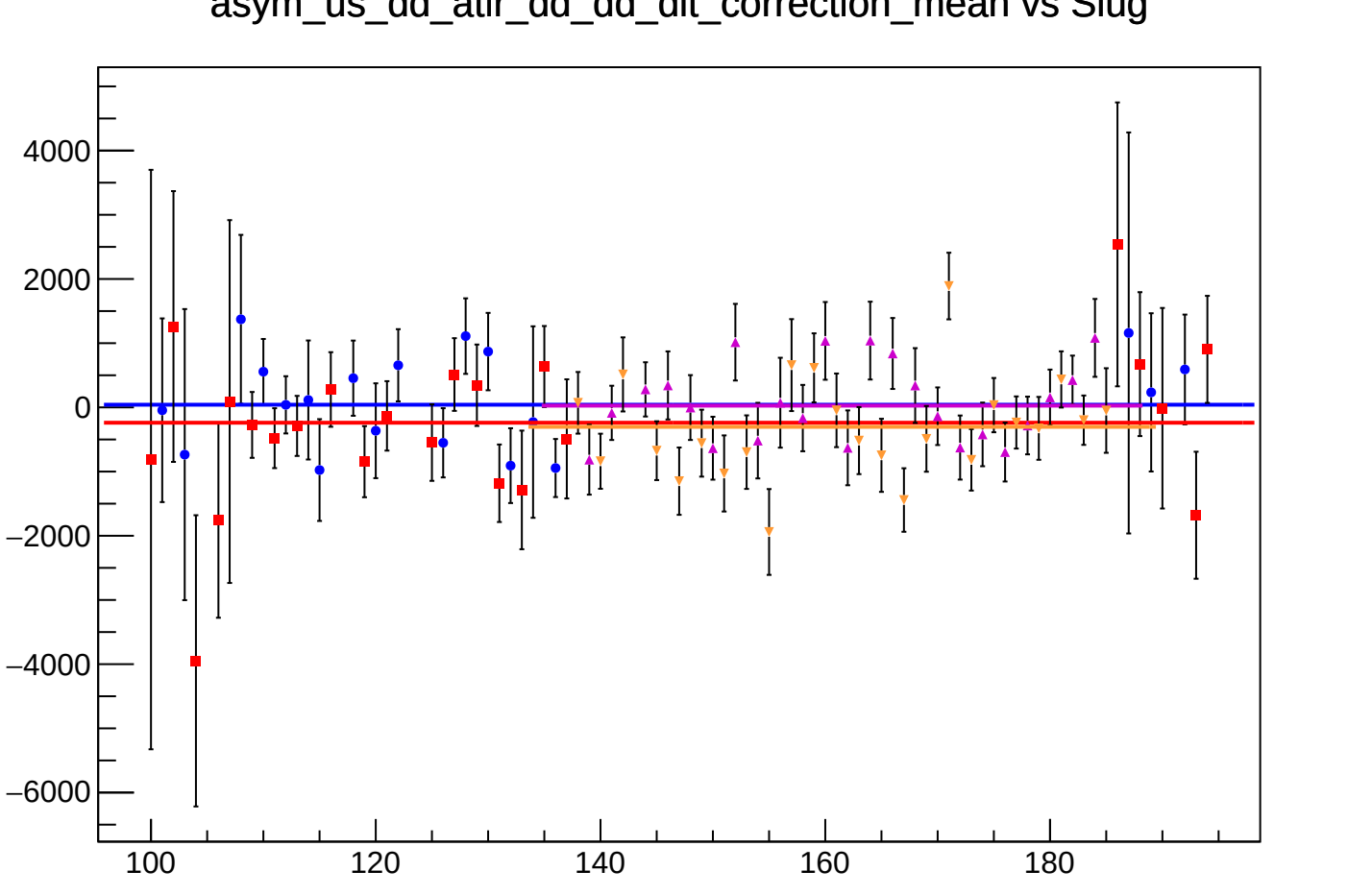
Right Out: 1137.540+/-0.250 χ^2/NDF: 232902.2/22

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1106.754+/-0.150 χ^2/NDF: 670974.9/42

All: 1109.696+/-0.105 χ^2/NDF: 964663.5/88

- sign 1112.513+/-0.147 χ^2/NDF: 292938.0/45



Right In: 41.293+/-157.513 χ^2/NDF: 20.2/18

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: -238.957+/-151.598 χ^2/NDF: 21.4/22

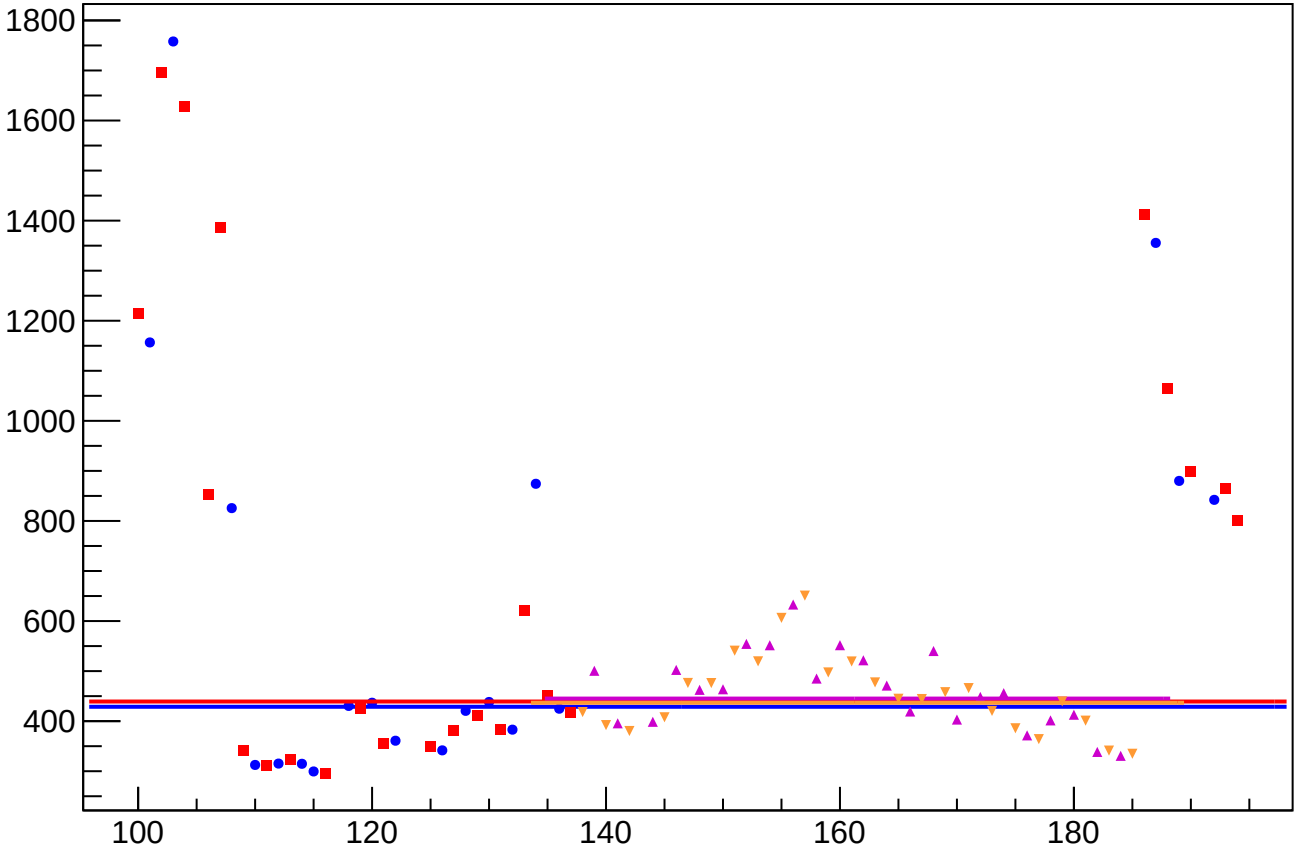
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -200.056+/-86.193 χ^2/NDF: 73.1/42

All: -130.250+/-61.074 χ^2/NDF: 125.7/88

- sign -59.865+/-86.551 χ^2/NDF: 51.3/45

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: 439.232+/-0.107 χ^2/NDF: 4301798.9/22

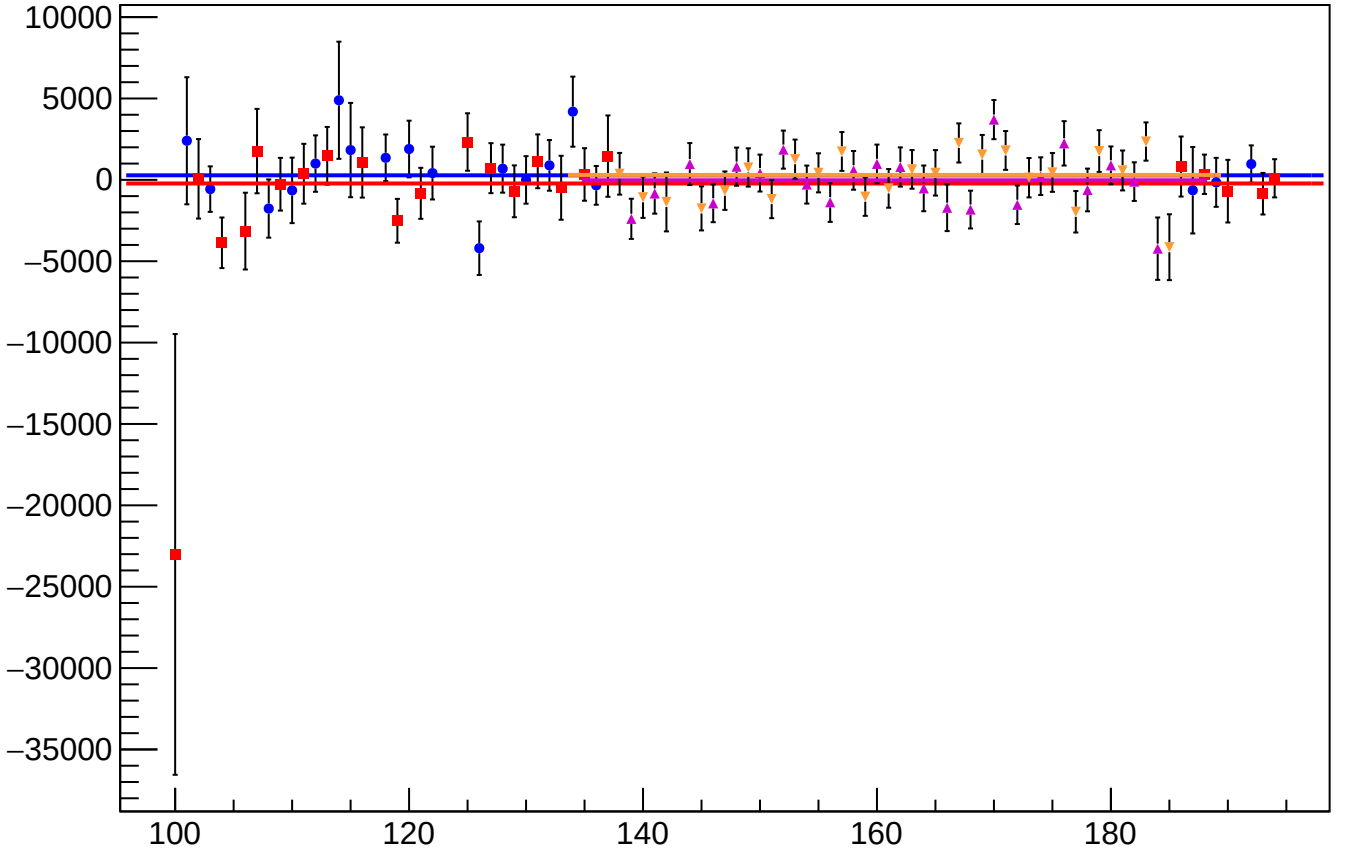
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 434.378+/-0.061 χ^2/NDF: 3748469.1/42

All: 438.768+/-0.043 χ^2/NDF: 8937244.3/88

- sign 443.193+/-0.061 χ^2/NDF: 5178359.6/45

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: -222.782+/-354.087 χ^2/NDF: 19.6/22

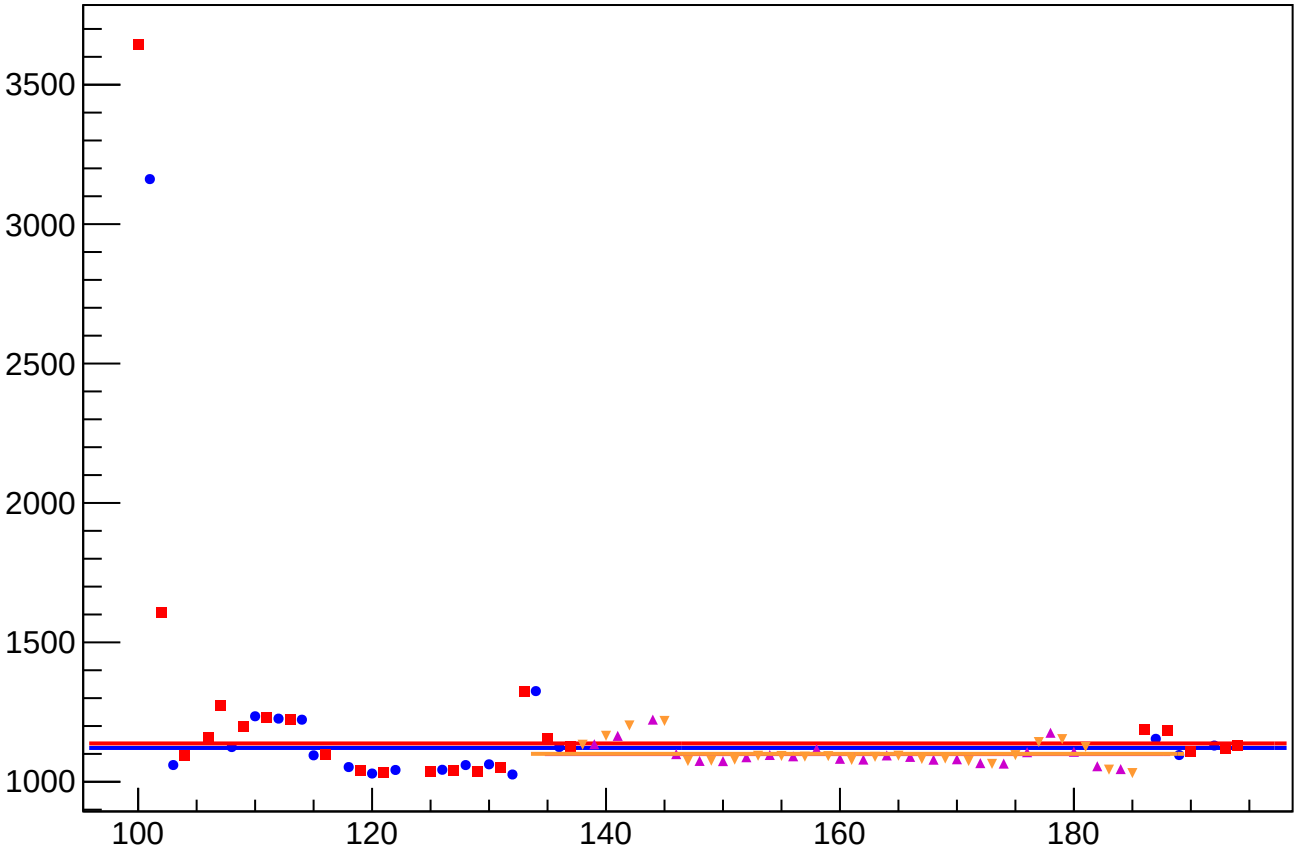
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 295.713+/-212.471 χ^2/NDF: 46.0/42

All: 96.941+/-148.604 χ^2/NDF: 103.4/88

- sign -93.405+/-207.919 χ^2/NDF: 55.7/45

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

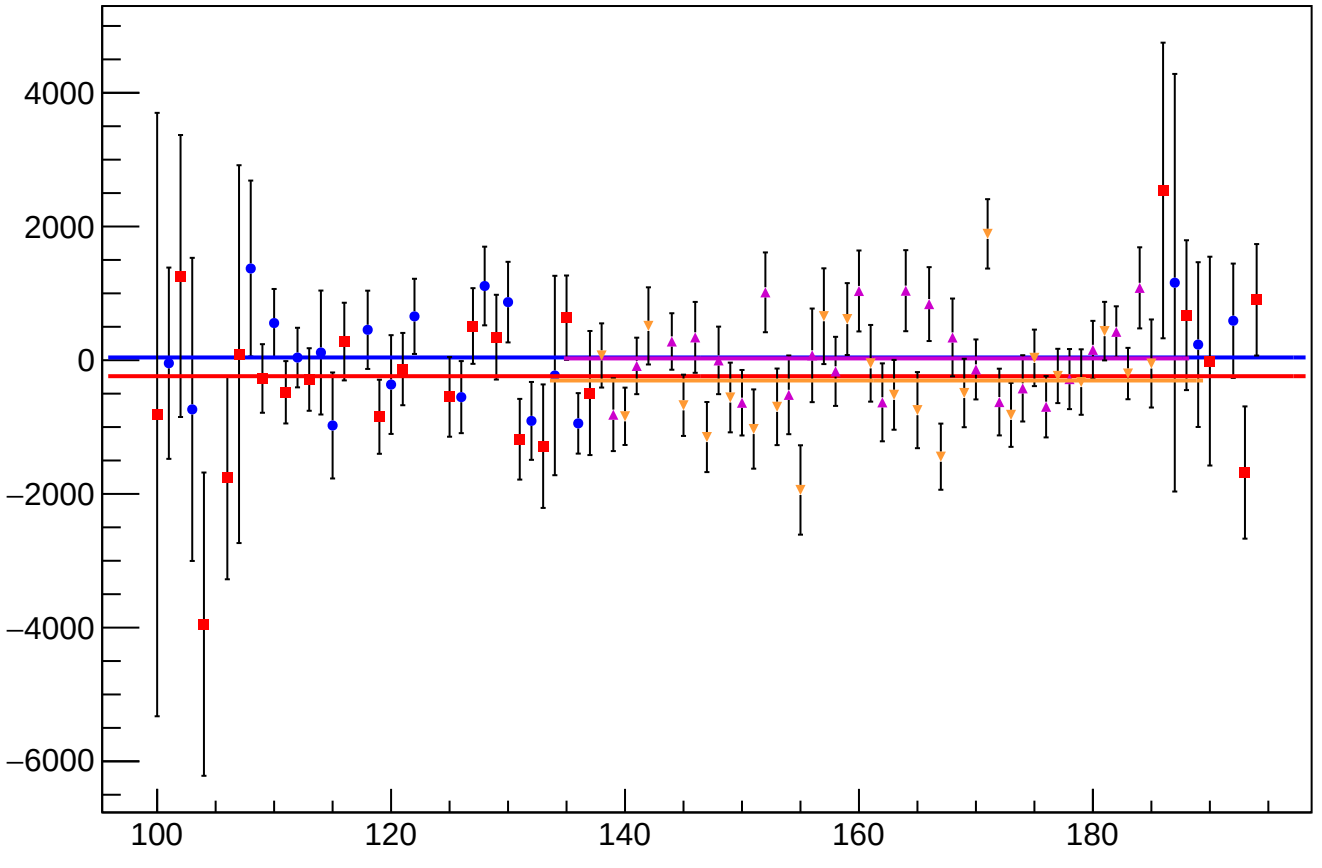
Right Out: 1137.540+/-0.250 χ^2/NDF: 232902.2/22

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1106.754+/-0.150 χ^2/NDF: 670975.2/42

All: 1109.696+/-0.105 χ^2/NDF: 964663.9/88

- sign 1112.513+/-0.147 χ^2/NDF: 292938.2/45



Right In: 41.290+/-157.512 χ^2/NDF: 20.2/18

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

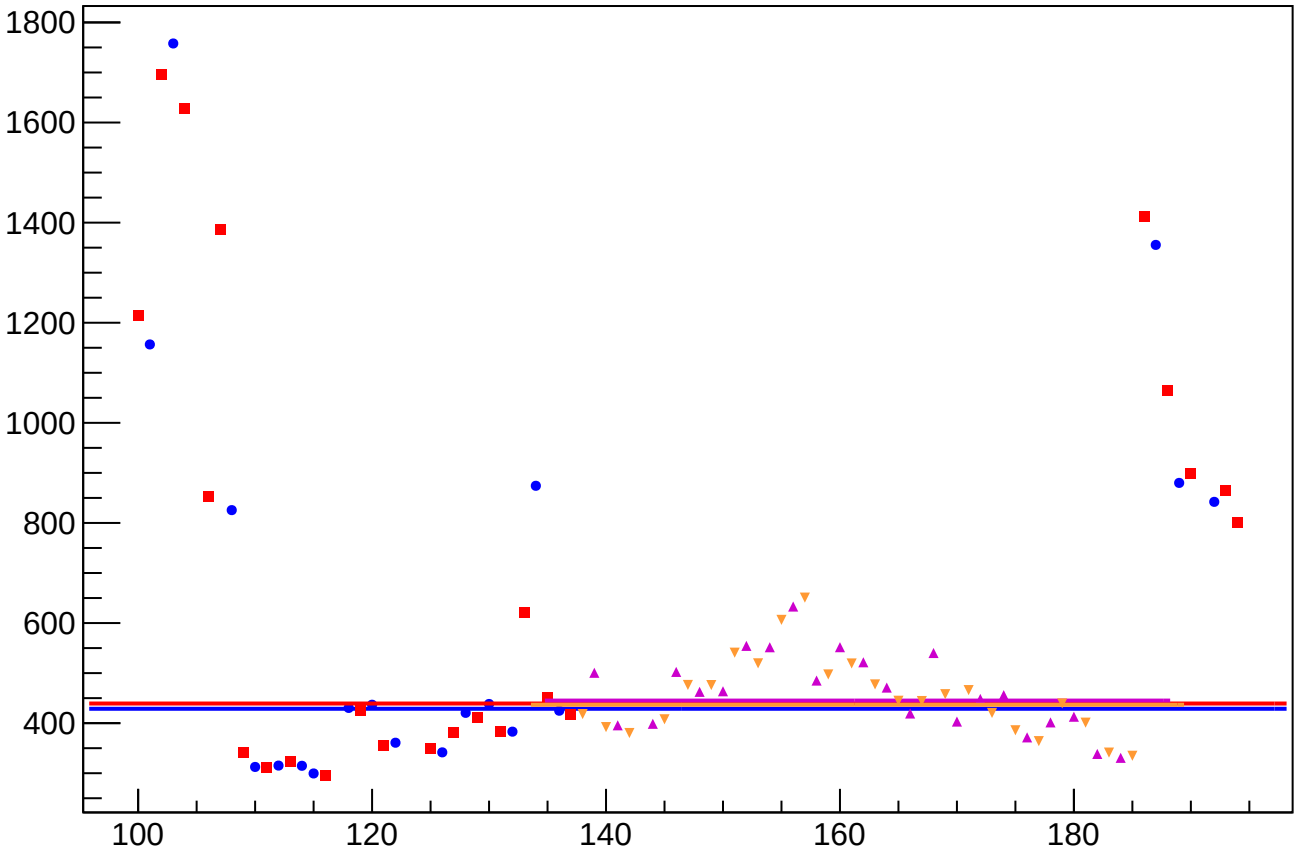
Right Out: -238.955+/-151.597 χ^2/NDF: 21.4/22

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -200.057+/-86.193 χ^2/NDF: 73.1/42

All: -130.251+/-61.074 χ^2/NDF: 125.7/88

- sign -59.865+/-86.550 χ^2/NDF: 51.3/45



Right In: 428.740+/-0.111 χ^2/NDF: 2889612.9/18

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 439.229+/-0.107 χ^2/NDF: 4301818.9/22

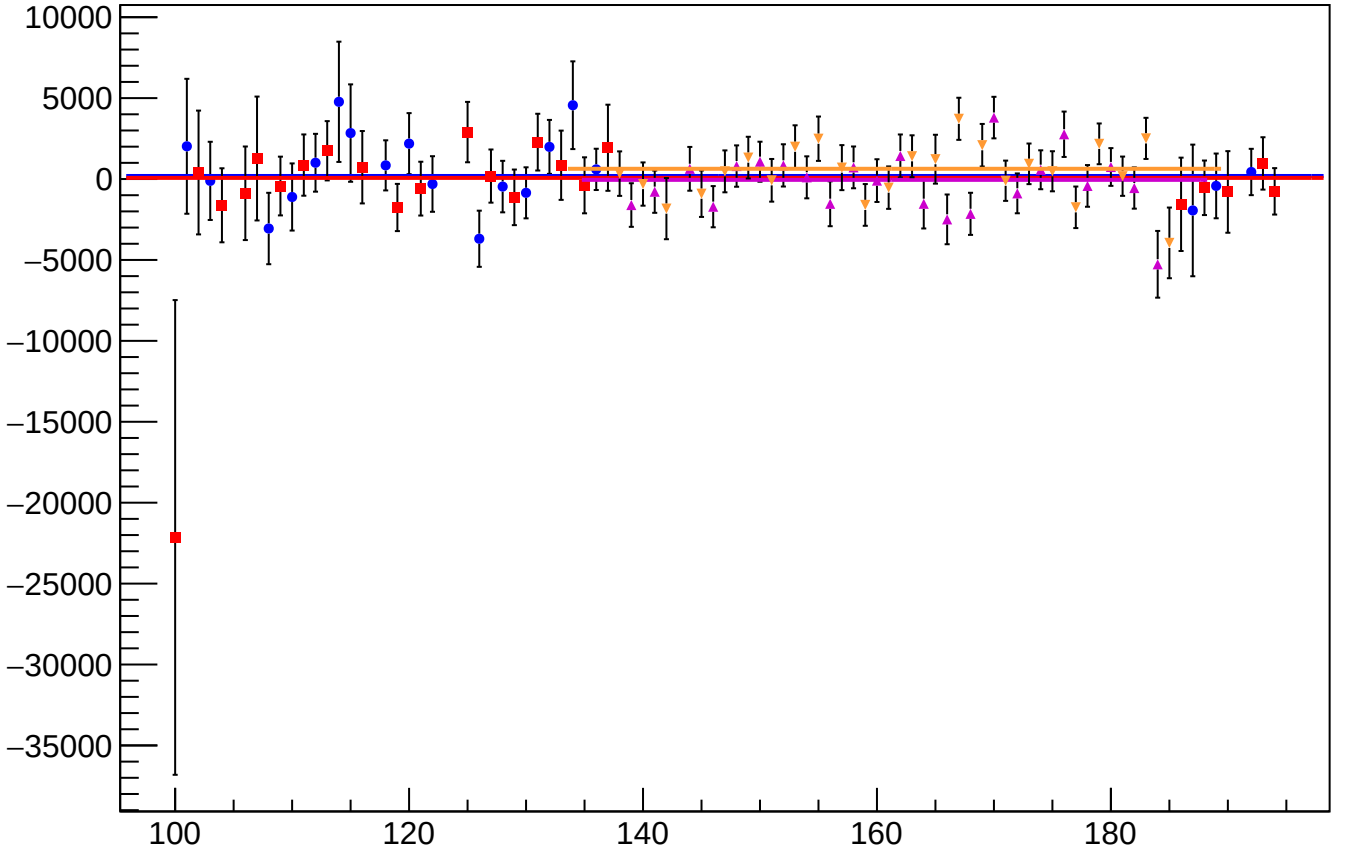
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 434.377+/-0.061 χ^2/NDF: 3748505.7/42

All: 438.766+/-0.043 χ^2/NDF: 8937336.6/88

- sign 443.192+/-0.061 χ^2/NDF: 5178415.7/45

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: 70.330+/-412.474 χ^2/NDF: 12.3/22

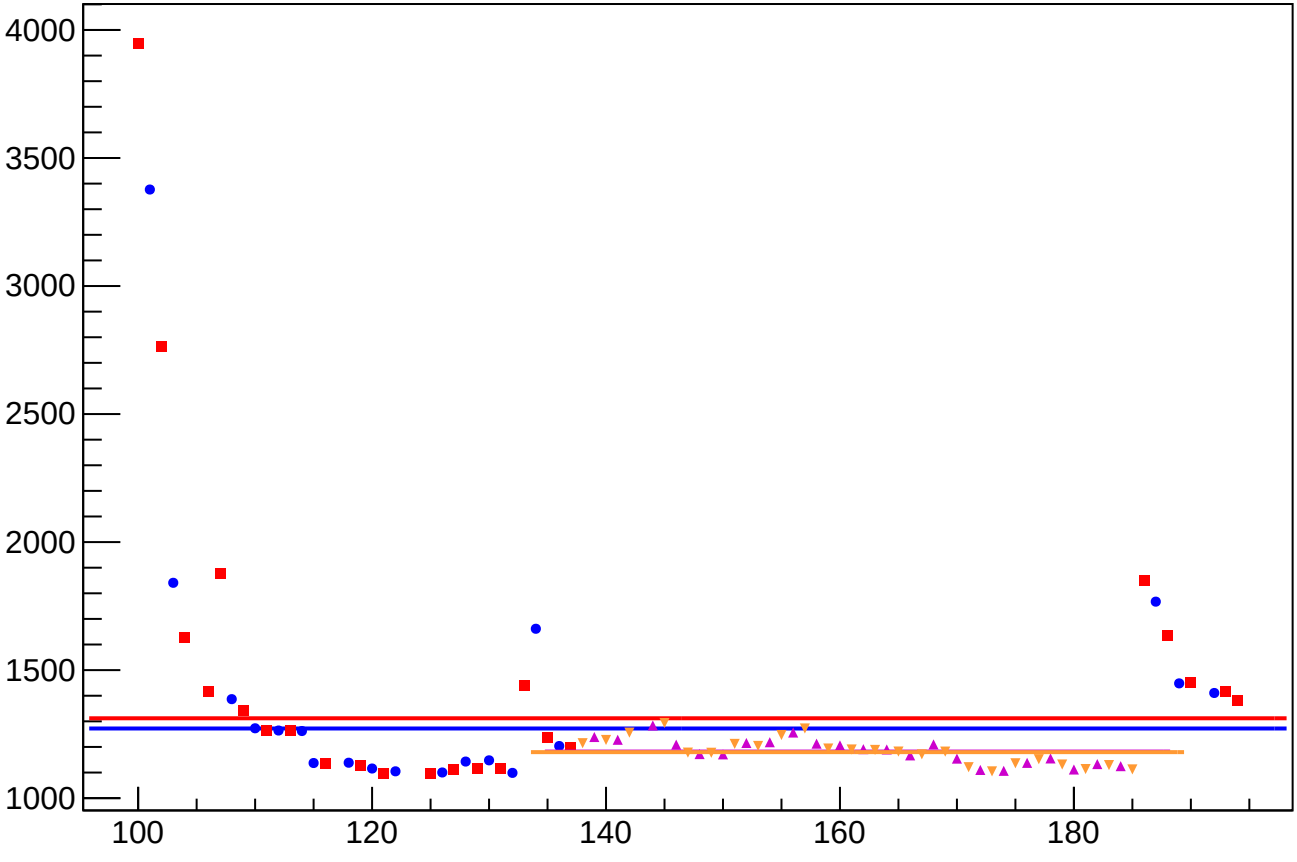
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 507.374+/-232.165 χ^2/NDF: 47.4/42

All: 244.028+/-163.217 χ^2/NDF: 97.3/88

- sign -13.323+/-229.506 χ^2/NDF: 47.3/45

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

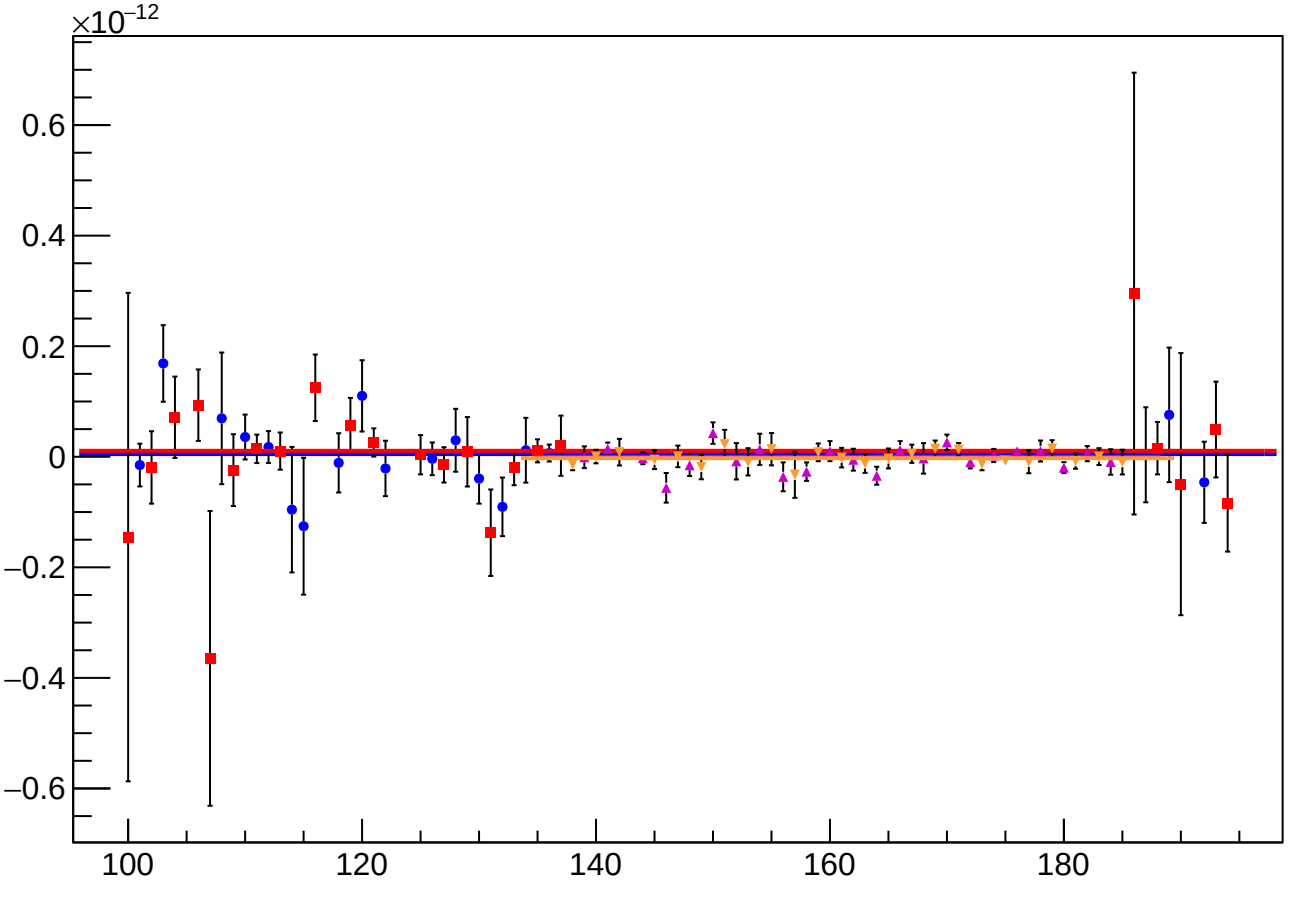
Right Out: 1311.919+/-0.292 χ^2/NDF: 802851.7/22

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

\+ sign 1205.785+/-0.164 χ^2/NDF: 984453.5/42

All: 1214.074+/-0.115 χ^2/NDF: 1989840.8/88

\- sign 1222.174+/-0.162 χ^2/NDF: 1000347.0/45



Right In: 0.000+/-0.000 χ^2/NDF: 17.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

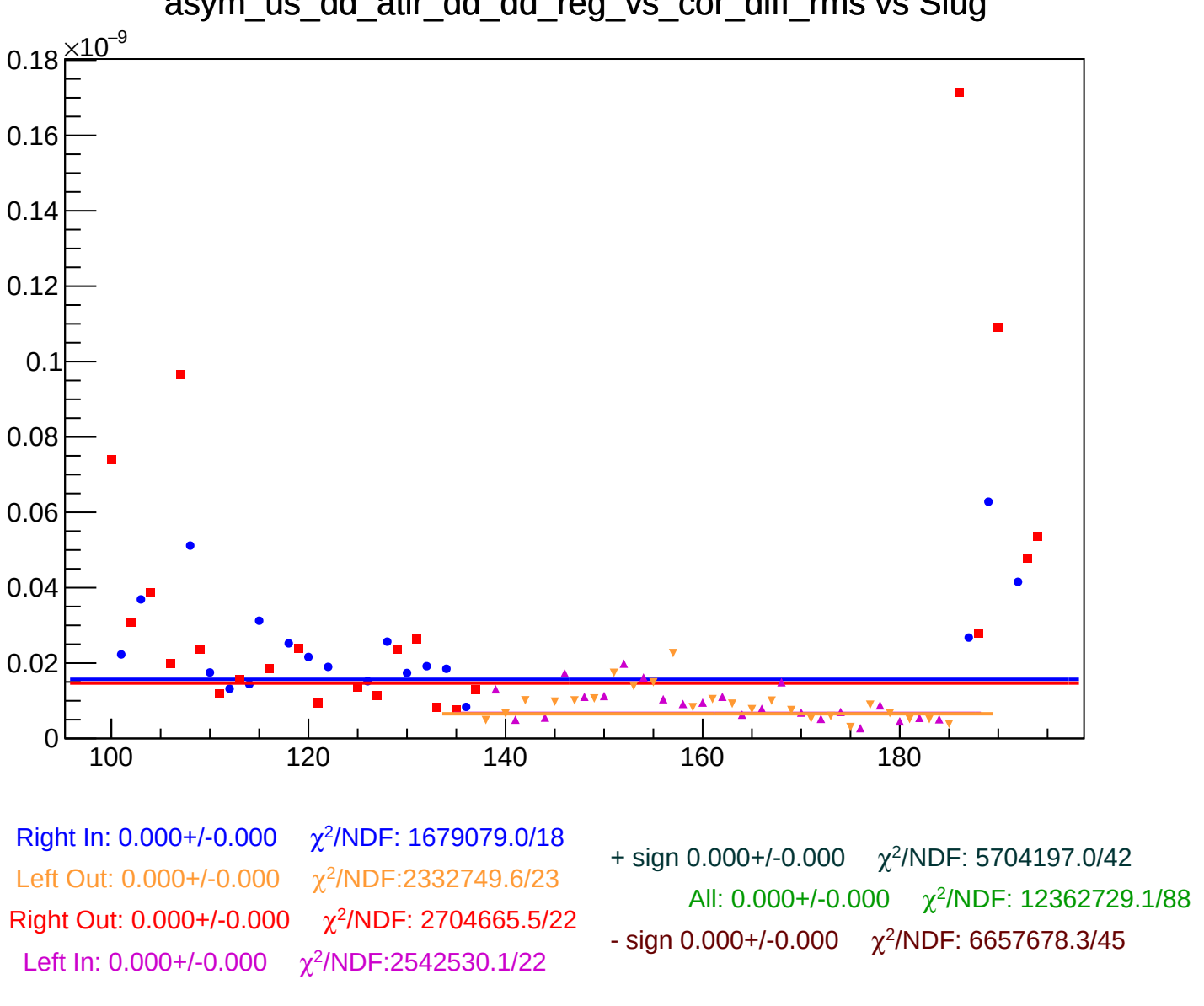
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/22

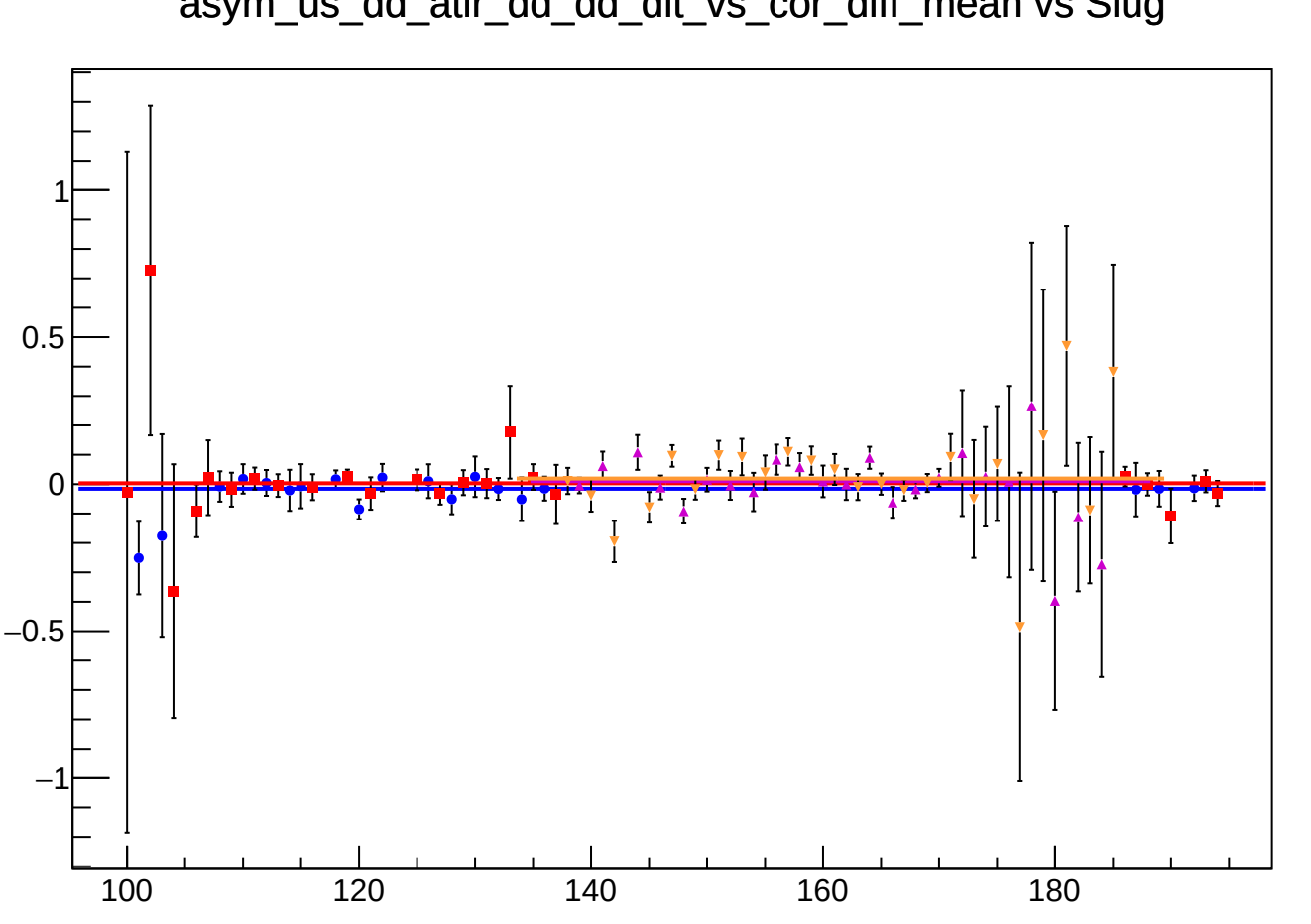
Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 28.2/42

All: -0.000+/-0.000 χ^2/NDF: 79.5/88

- sign 0.000+/-0.000 χ^2/NDF: 50.8/45


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 1679079.0/18
Left Out: 0.000+/-0.000 χ²/NDF:2332749.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 2704665.5/22
Left In: 0.000+/-0.000 χ²/NDF:2542530.1/22
+ sign 0.000+/-0.000 χ²/NDF: 5704197.0/42
All: 0.000+/-0.000 χ²/NDF: 12362729.1/88
- sign 0.000+/-0.000 χ²/NDF: 6657678.3/45



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/18

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

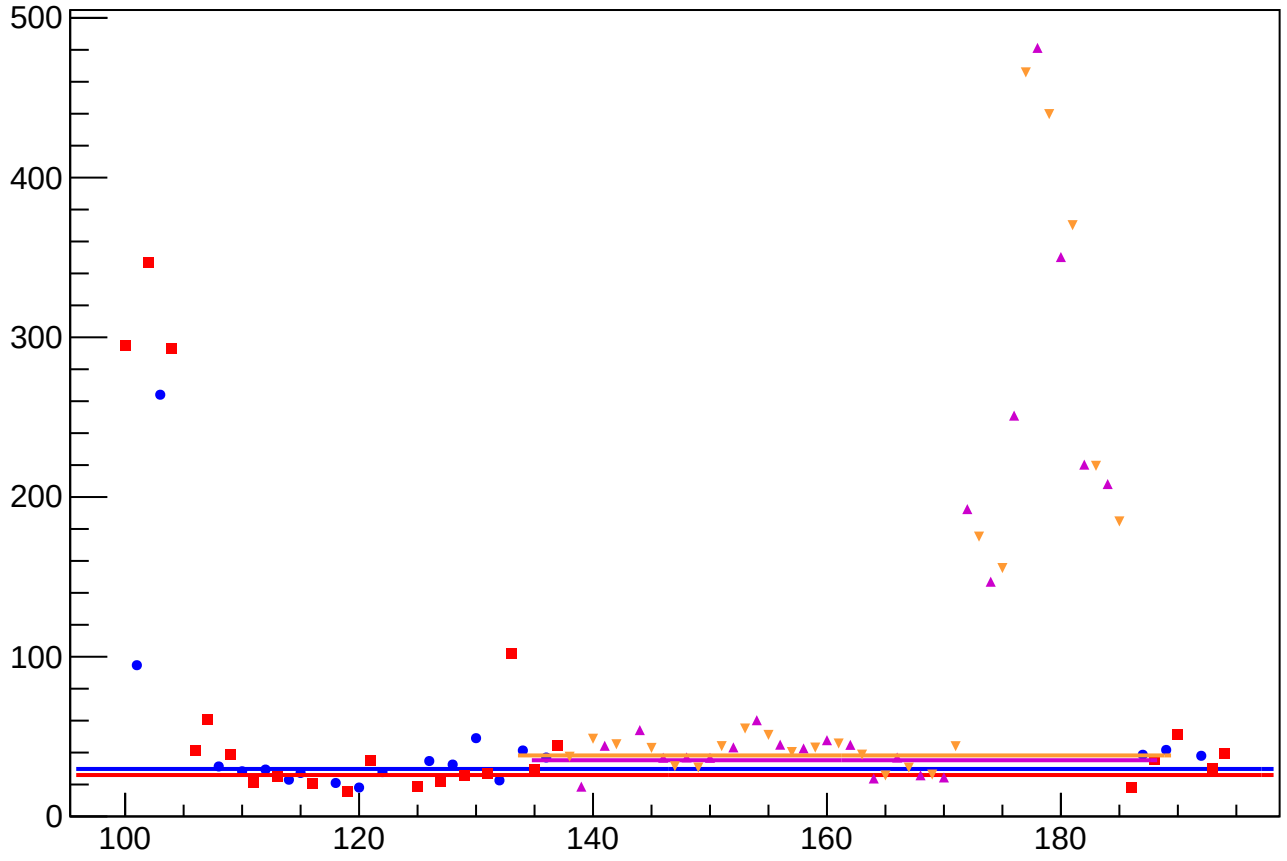
Right Out: 0.003+/-0.010 χ^2/NDF: 10.5/22

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 52.7/42

All: 0.005+/-0.005 χ^2/NDF: 87.2/88

- sign 0.006+/-0.007 χ^2/NDF: 34.3/45



Right In: 29.743+/-0.008 χ^2/NDF: 2439329.2/18

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

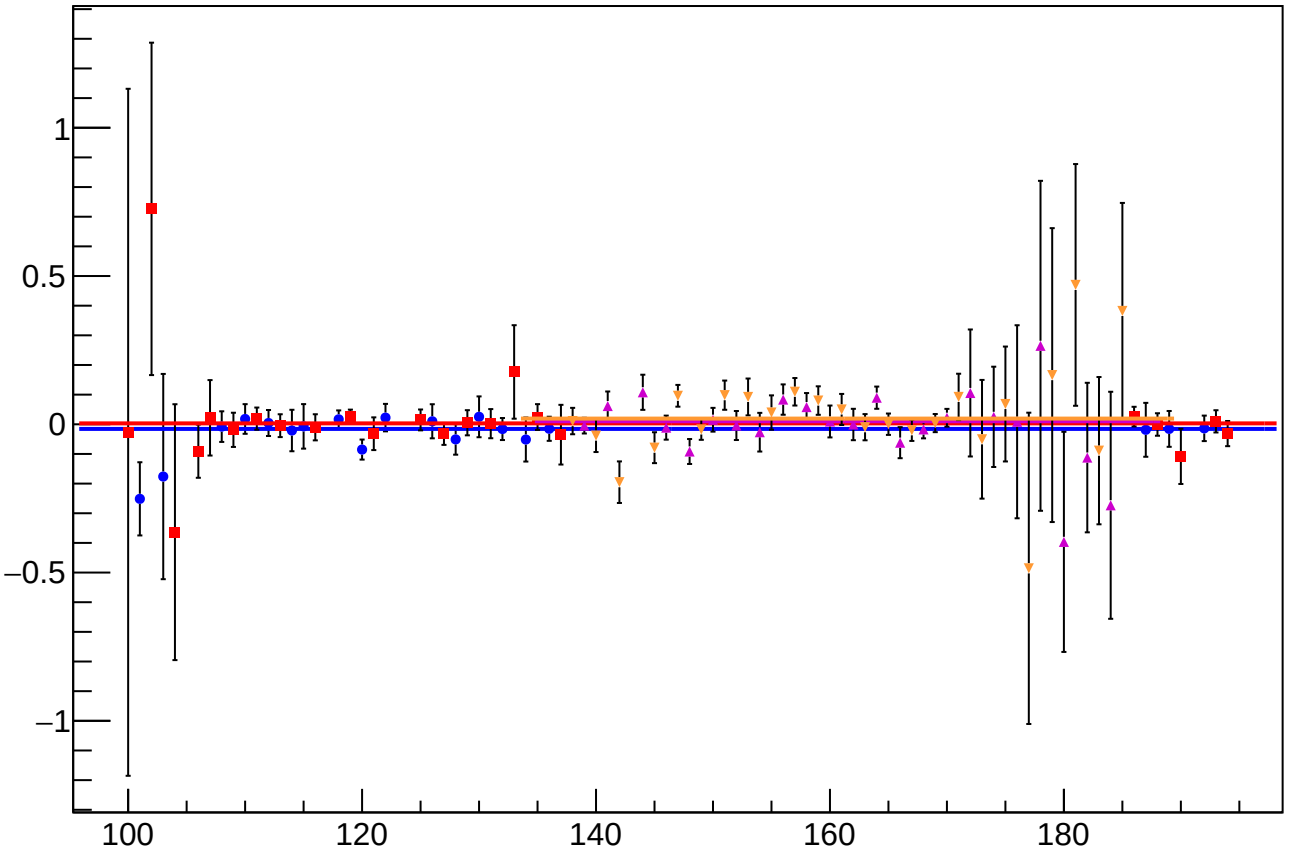
Right Out: 25.939+/-0.007 χ^2/NDF: 3585259.1/22

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.246+/-0.006 χ^2/NDF: 11299204.5/42

All: 32.057+/-0.004 χ^2/NDF: 25412789.2/88

- sign 30.305+/-0.005 χ^2/NDF: 13835710.2/45



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/18

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

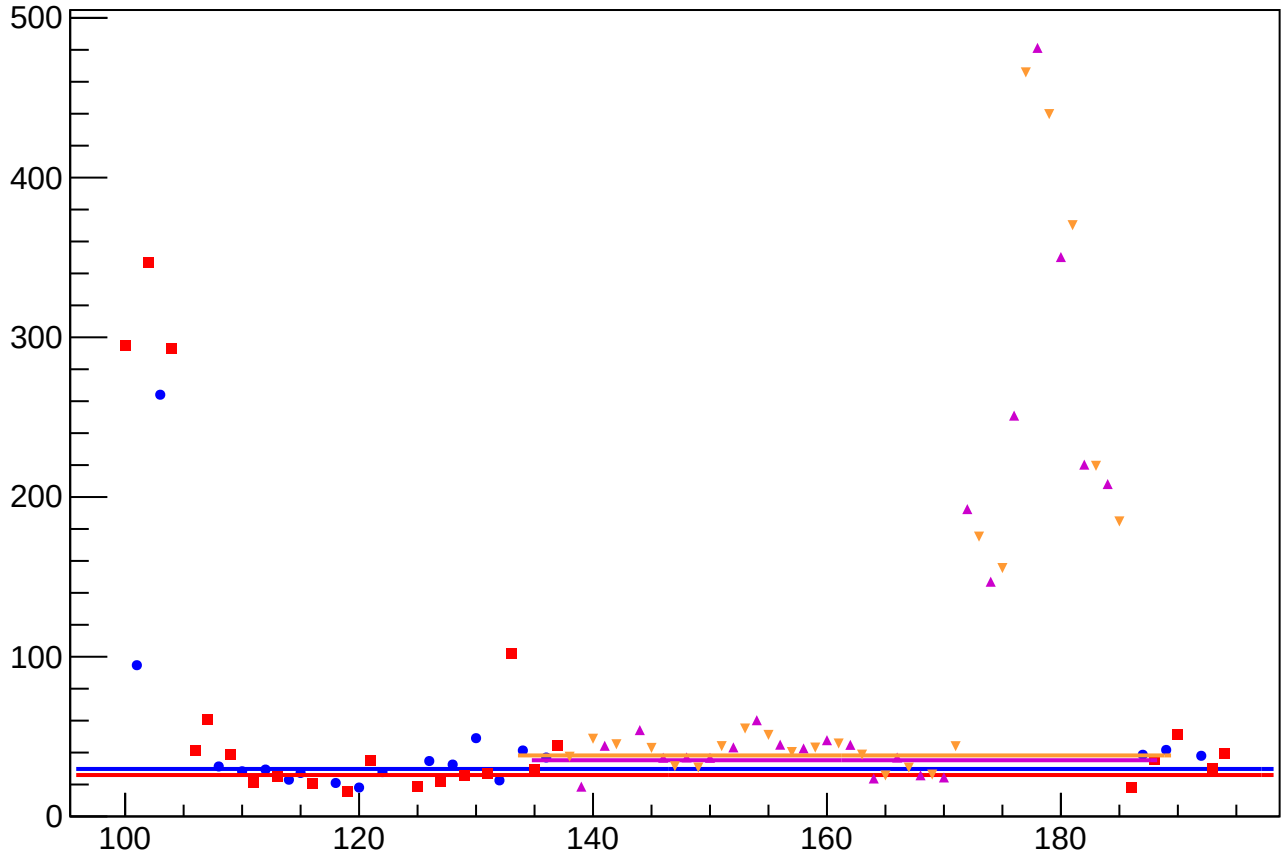
Right Out: 0.003+/-0.010 χ^2/NDF: 10.5/22

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 52.7/42

All: 0.005+/-0.005 χ^2/NDF: 87.2/88

- sign 0.006+/-0.007 χ^2/NDF: 34.3/45



Right In: 29.743+/-0.008 χ^2/NDF: 2439329.2/18

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

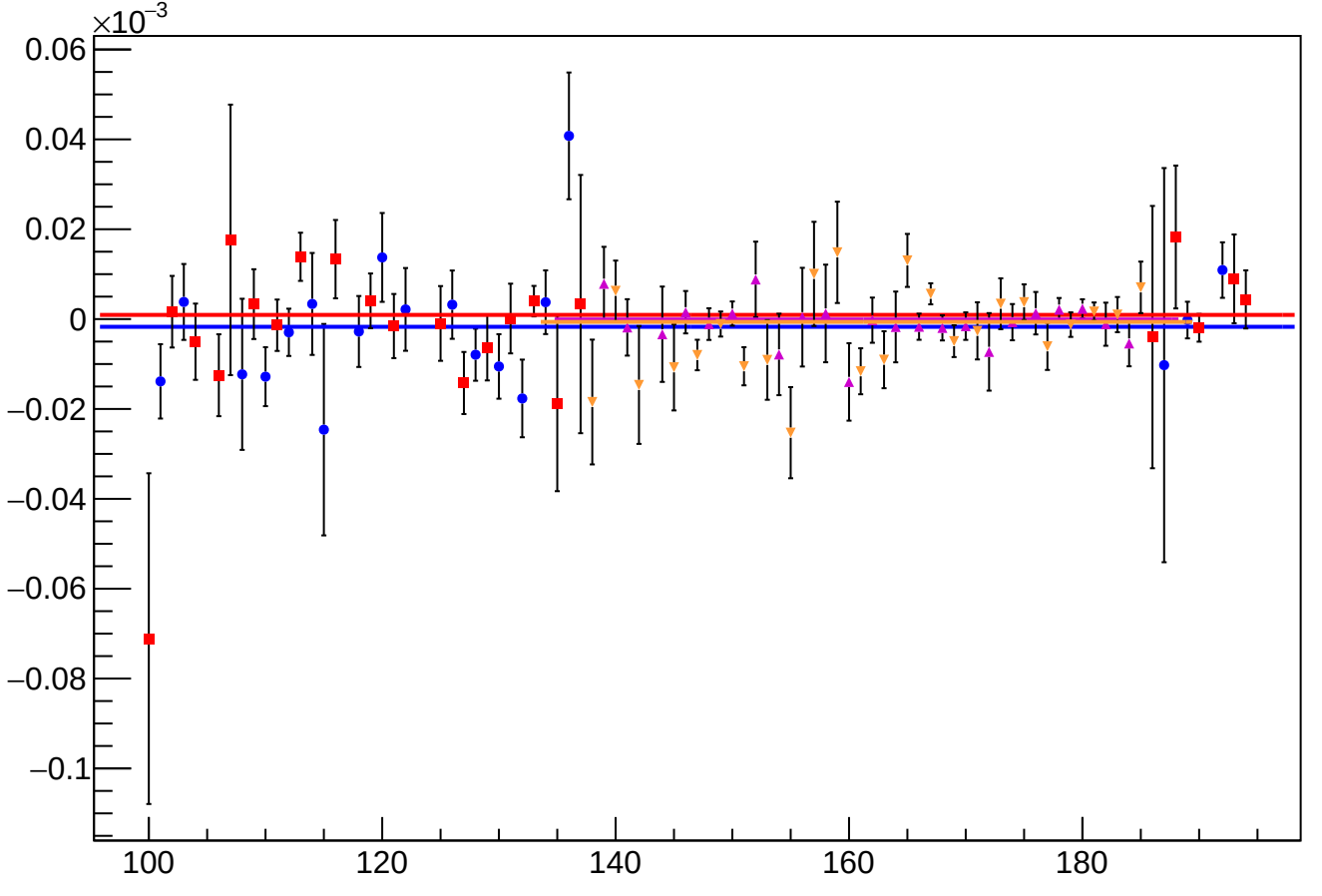
Right Out: 25.939+/-0.007 χ^2/NDF: 3585259.1/22

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

\+ sign 34.246+/-0.006 χ^2/NDF: 11299204.5/42

All: 32.057+/-0.004 χ^2/NDF: 25412789.2/88

\- sign 30.305+/-0.005 χ^2/NDF: 13835710.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

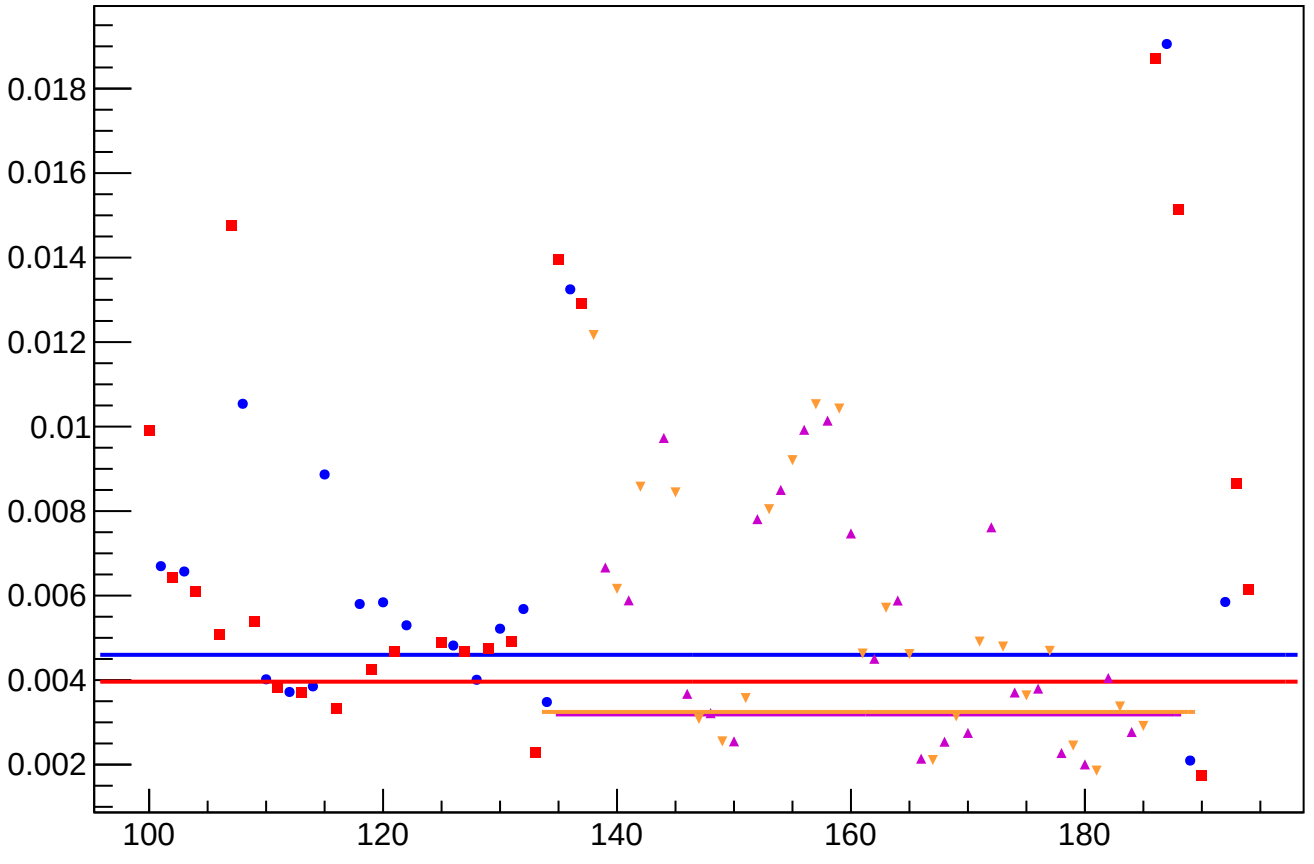
Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/22

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.7/42

All: -0.000+/-0.000 χ^2/NDF: 120.0/88

- sign 0.000+/-0.000 χ^2/NDF: 37.4/45



Right In: 0.005+/-0.000 χ^2/NDF: 2646744.7/18

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

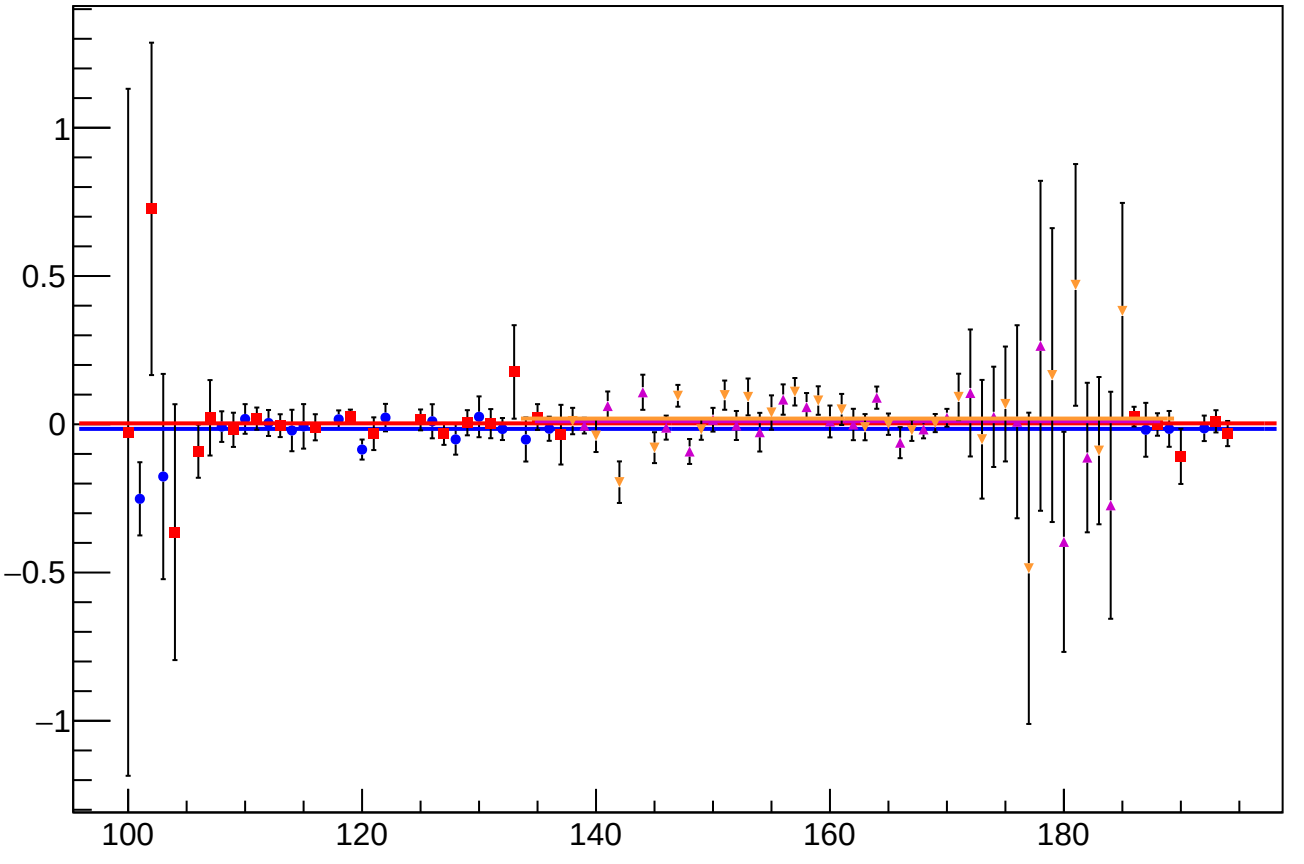
Right Out: 0.004+/-0.000 χ^2/NDF: 5284889.9/22

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 11352141.4/42

All: 0.003+/-0.000 χ^2/NDF: 24397351.9/88

- sign 0.003+/-0.000 χ^2/NDF: 13019480.1/45



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/18

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

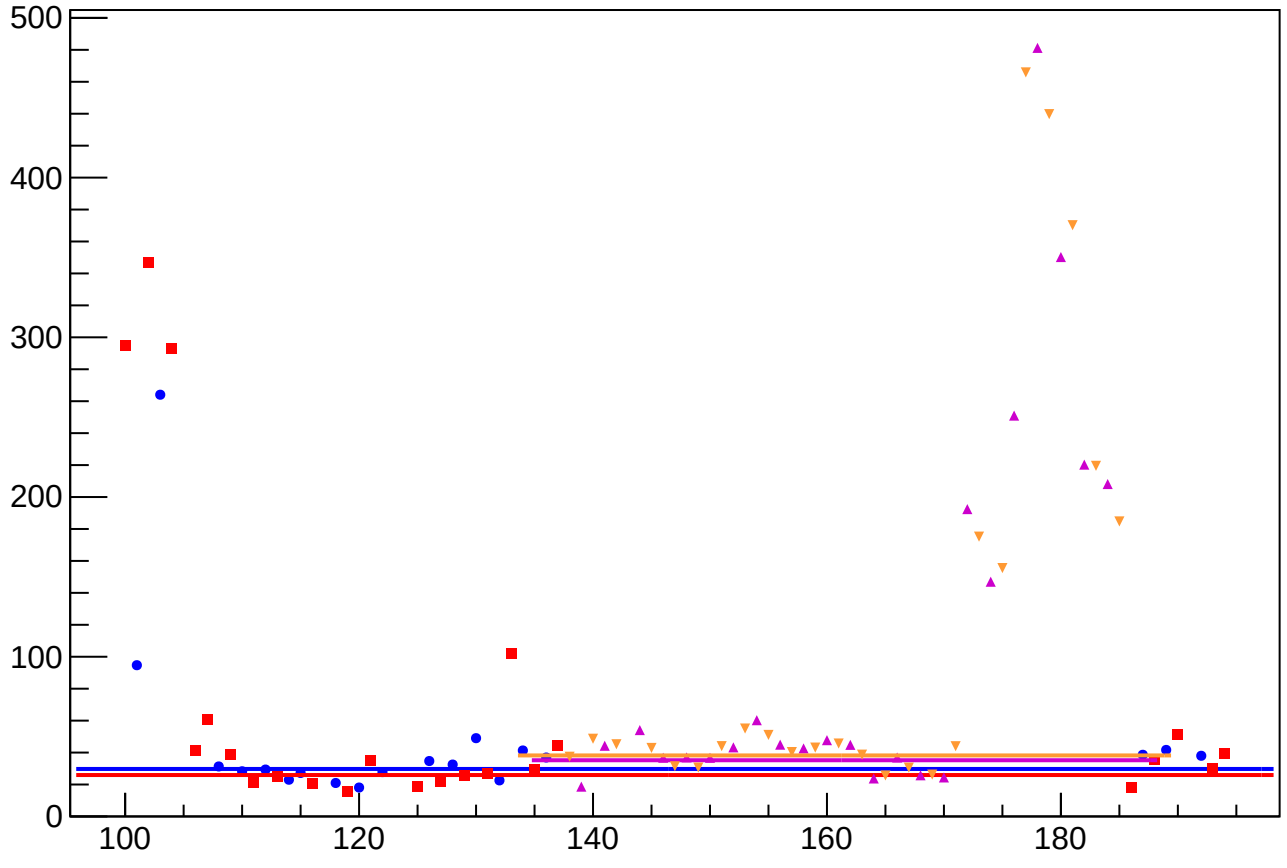
Right Out: 0.003+/-0.010 χ^2/NDF: 10.5/22

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 52.7/42

All: 0.005+/-0.005 χ^2/NDF: 87.1/88

- sign 0.006+/-0.007 χ^2/NDF: 34.3/45



Right In: 29.743+/-0.008 χ^2/NDF: 2439369.8/18

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

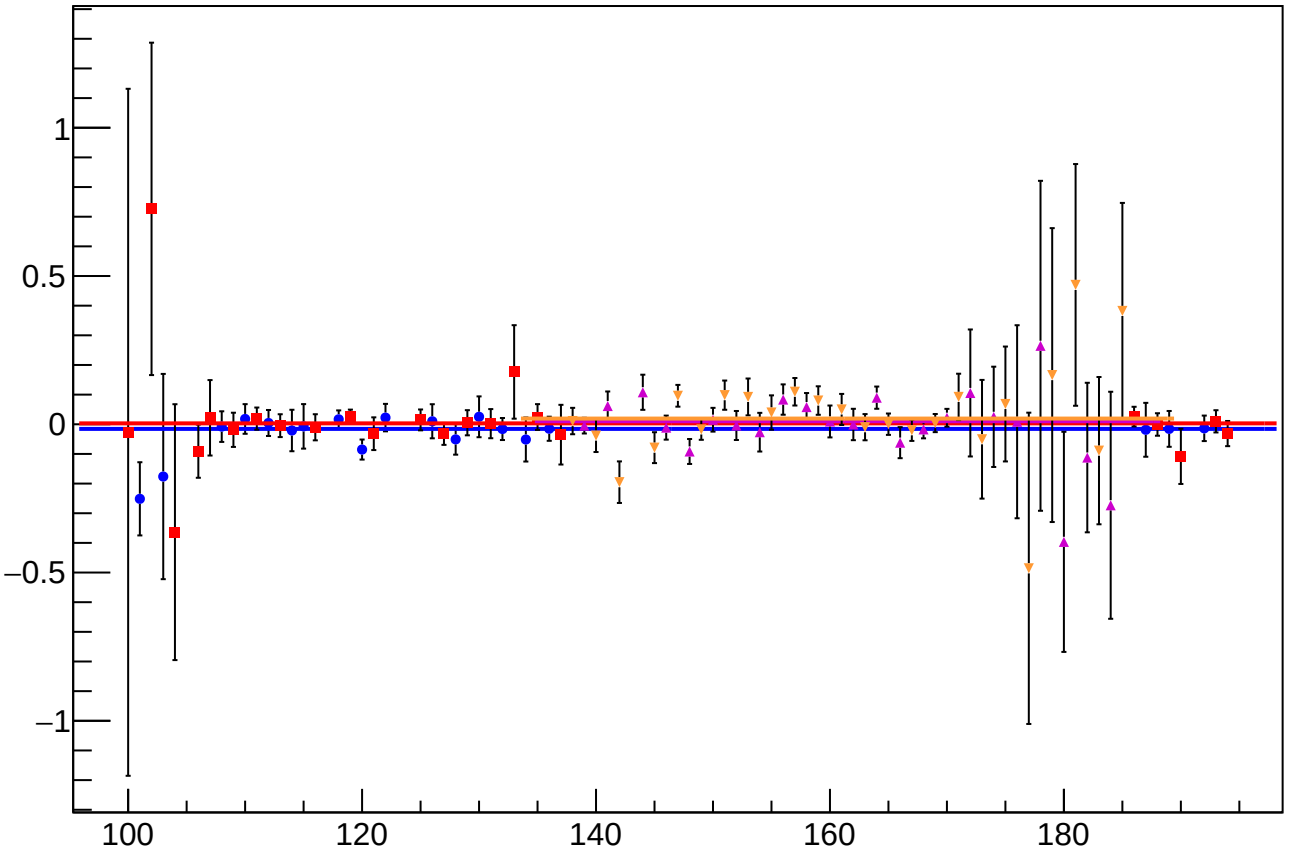
Right Out: 25.937+/-0.007 χ^2/NDF: 3585506.4/22

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.246+/-0.006 χ^2/NDF: 11299369.7/42

All: 32.056+/-0.004 χ^2/NDF: 25414219.9/88

- sign 30.304+/-0.005 χ^2/NDF: 13836773.2/45



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/18

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

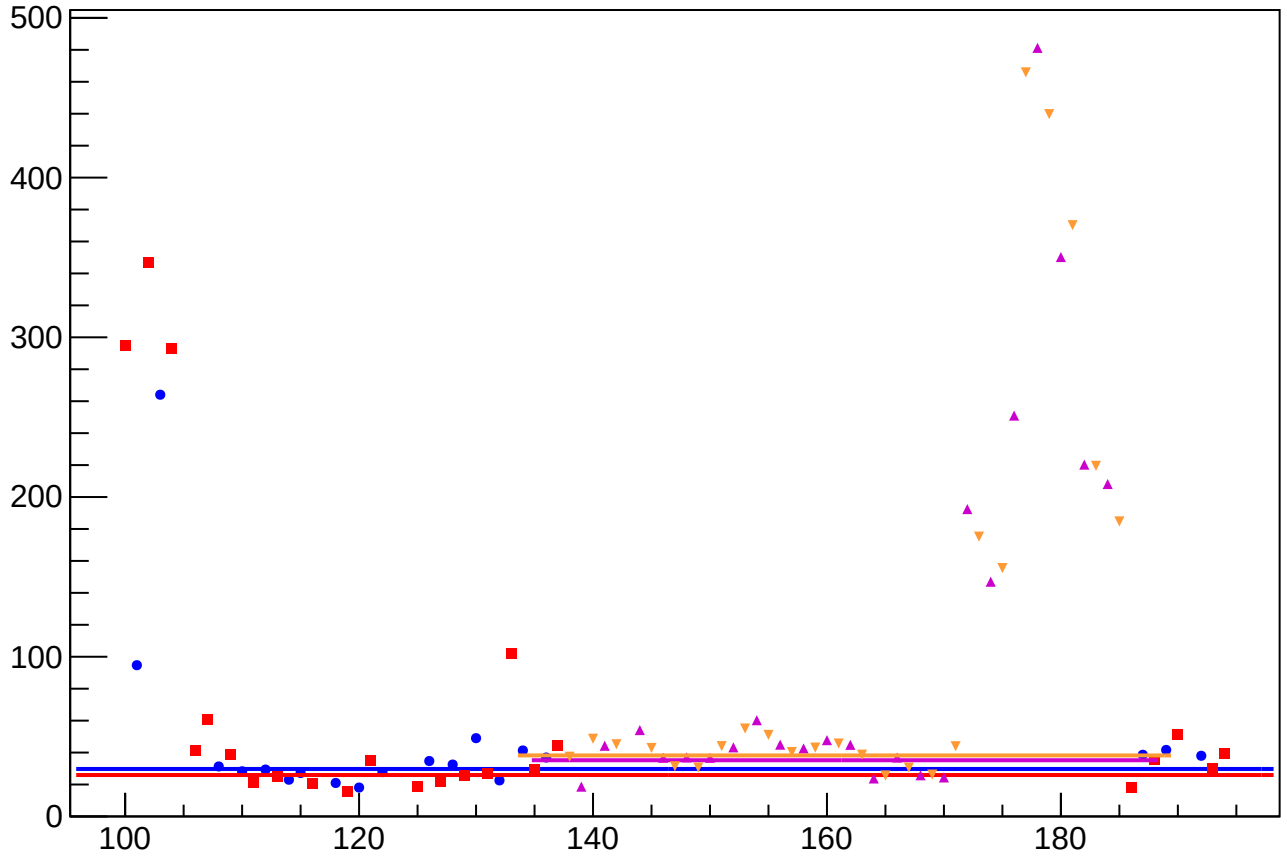
Right Out: 0.003+/-0.010 χ^2/NDF: 10.5/22

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.008 χ^2/NDF: 52.7/42

All: 0.005+/-0.005 χ^2/NDF: 87.1/88

- sign 0.006+/-0.007 χ^2/NDF: 34.3/45



Right In: 29.743+/-0.008 χ^2/NDF: 2439369.8/18

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

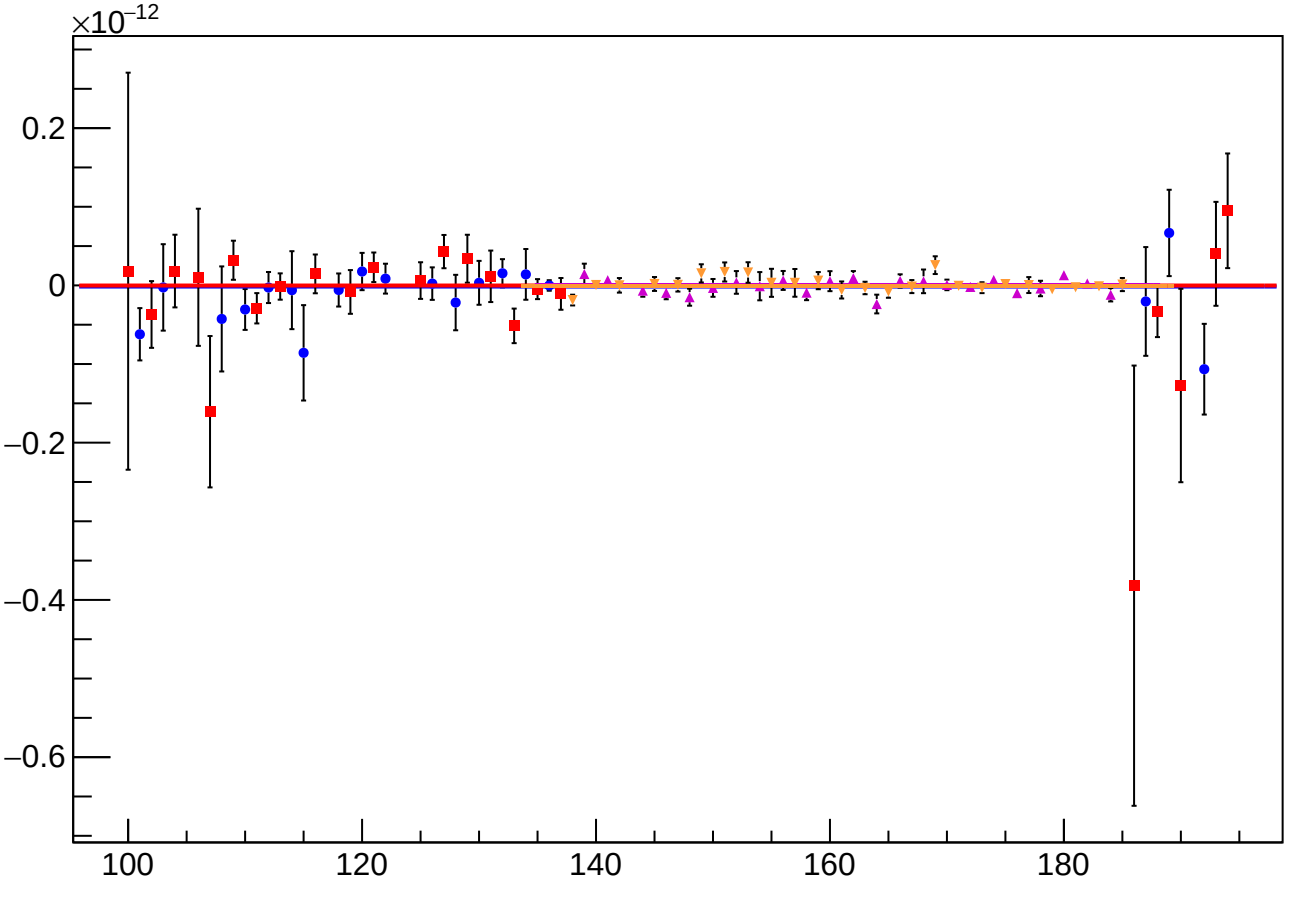
Right Out: 25.937+/-0.007 χ^2/NDF: 3585506.4/22

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.246+/-0.006 χ^2/NDF: 11299369.7/42

All: 32.056+/-0.004 χ^2/NDF: 25414219.9/88

- sign 30.304+/-0.005 χ^2/NDF: 13836773.2/45



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/18

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

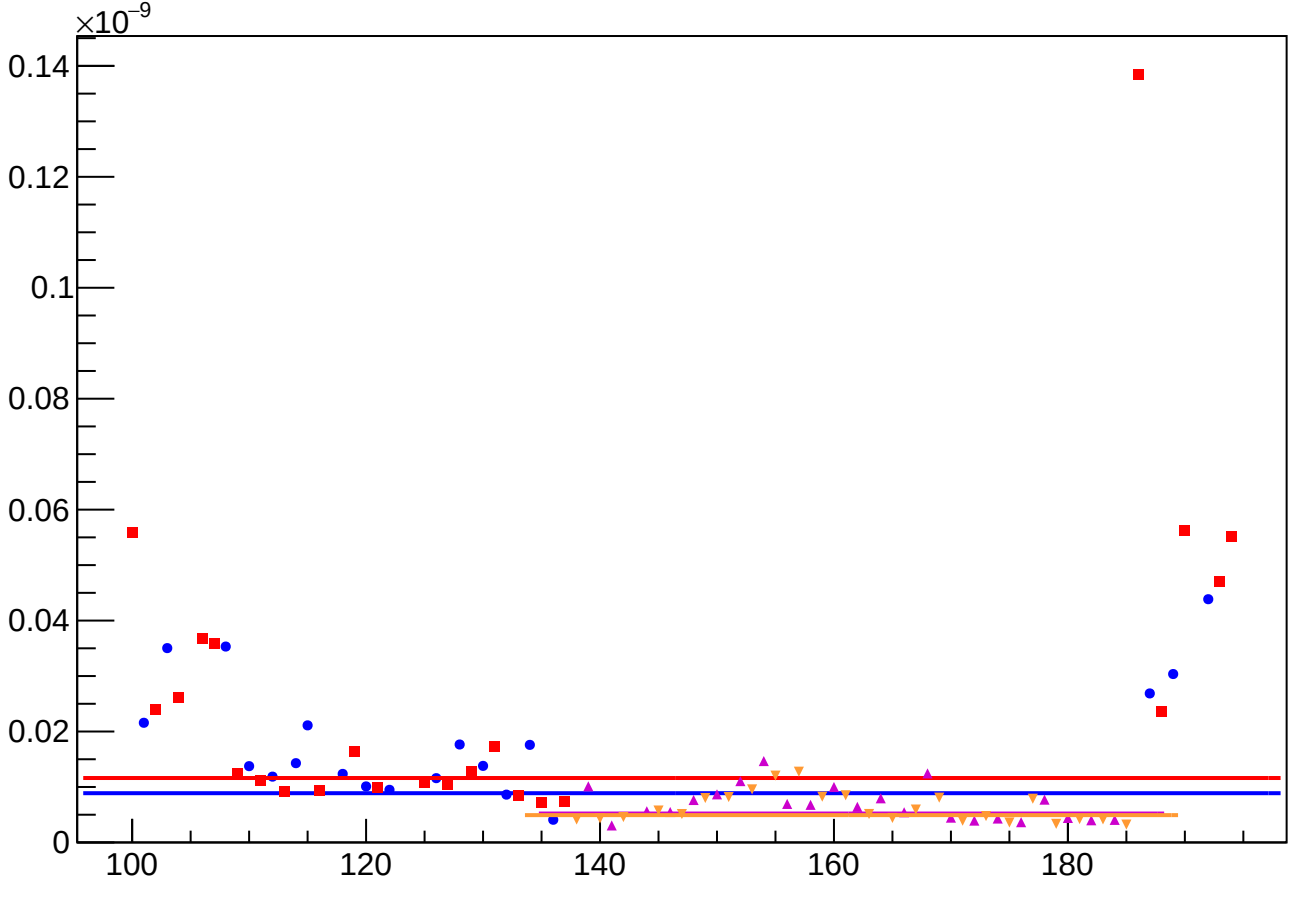
Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/22

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/42

All: -0.000+/-0.000 χ^2/NDF: 89.2/88

- sign 0.000+/-0.000 χ^2/NDF: 53.3/45



Right In: 0.000+/-0.000 χ^2/NDF: 3907527.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3525031.8/22

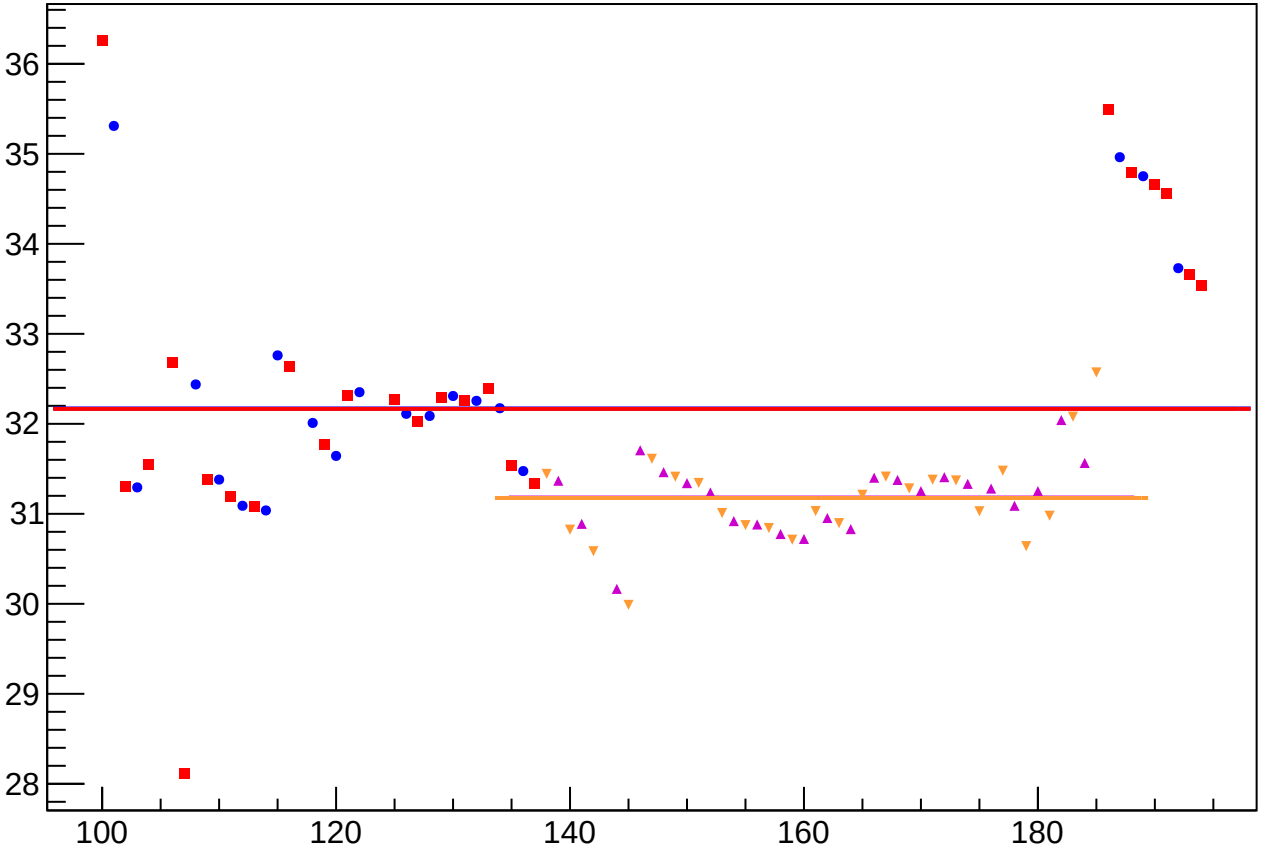
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7795874.1/42

All: 0.000+/-0.000 χ^2/NDF: 17337630.7/88

- sign 0.000+/-0.000 χ^2/NDF: 9466487.0/45

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

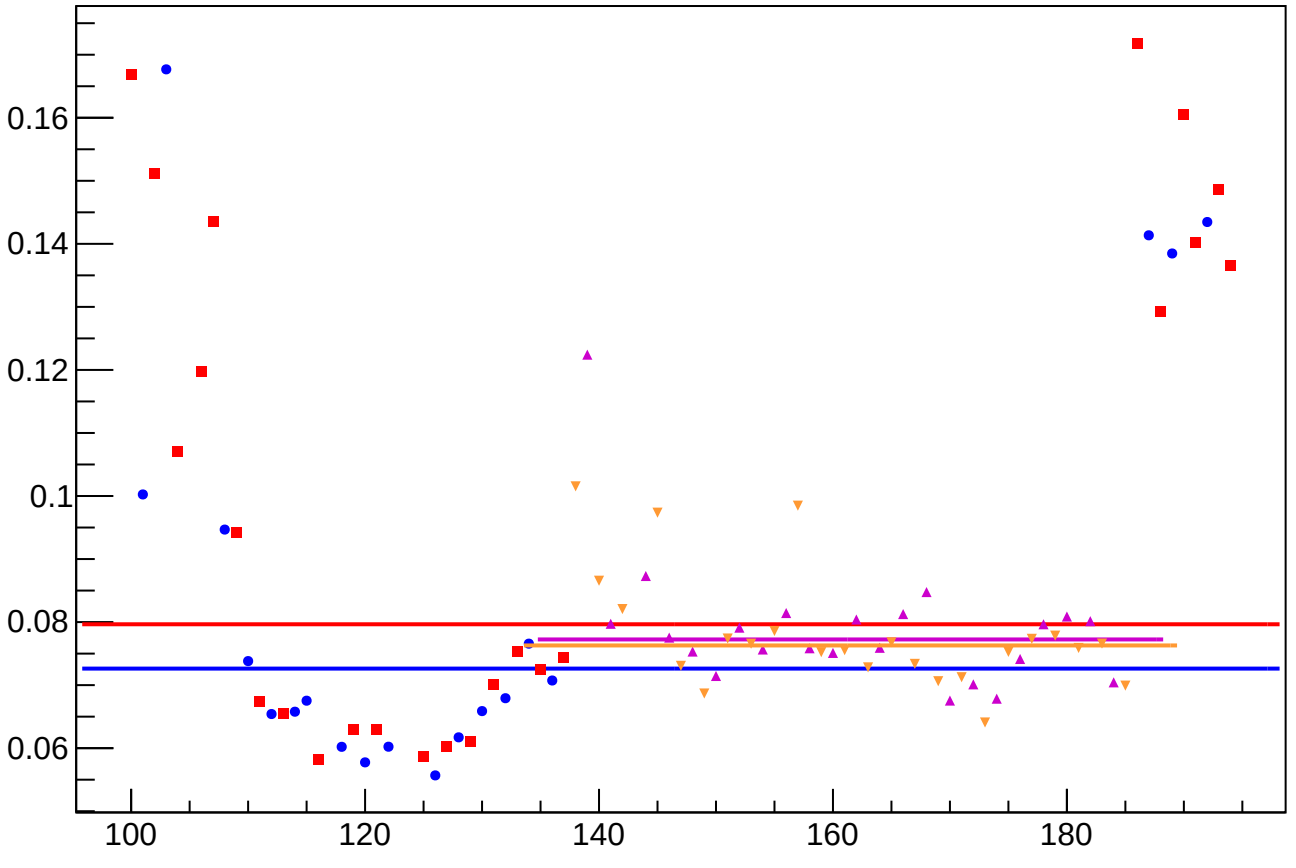
Right Out: 32.166+/-0.000 χ^2/NDF: 1454889768.5/23

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.504+/-0.000 χ^2/NDF: 2746593247.0/42

All: 31.509+/-0.000 χ^2/NDF: 5488641650.9/8

- sign 31.515+/-0.000 χ^2/NDF: 2741830115.3/46



Right In: 0.073+/-0.000 χ^2/NDF: 1531655.3/18

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.080+/-0.000 χ^2/NDF: 2467223.7/23

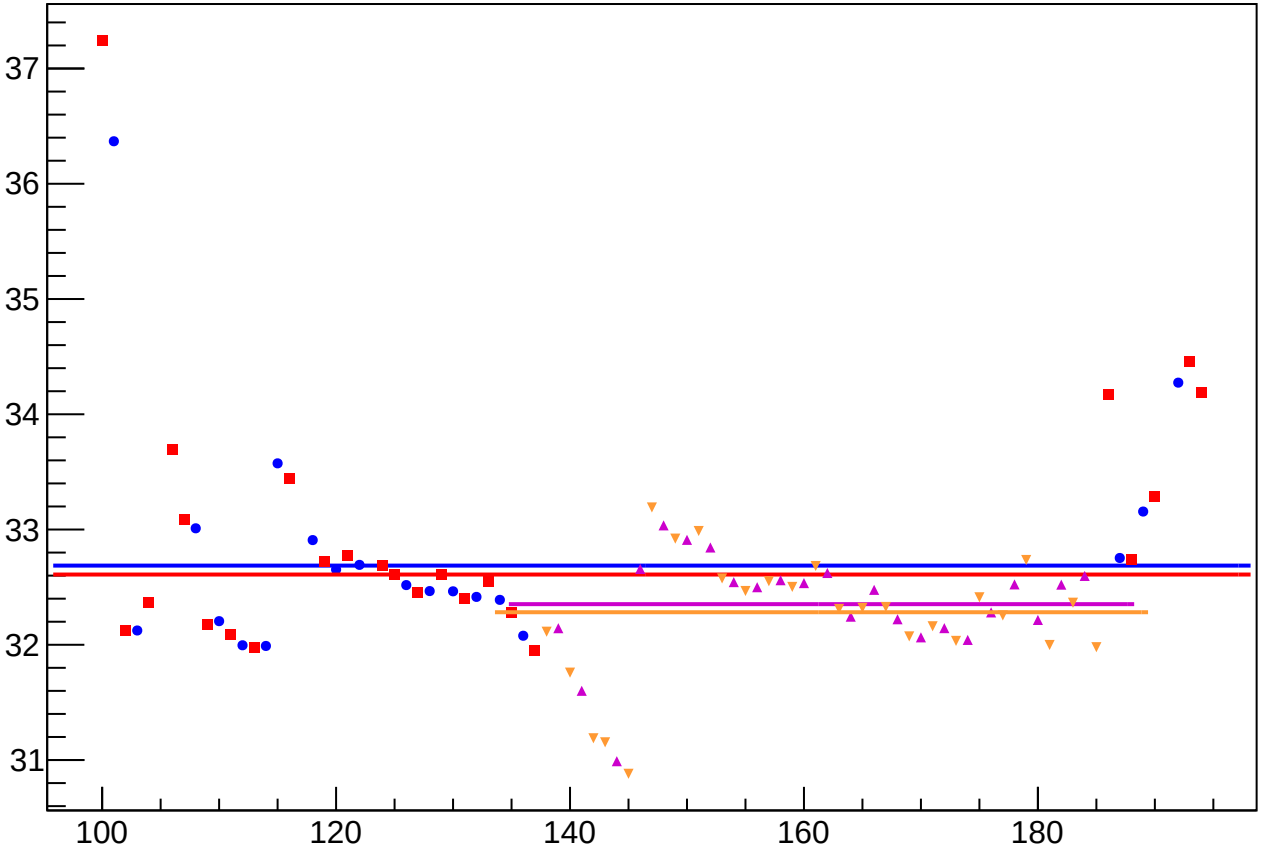
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.075+/-0.000 χ^2/NDF: 1914002.7/42

All: 0.077+/-0.000 χ^2/NDF: 4794976.8/89

- sign 0.078+/-0.000 χ^2/NDF: 2843308.3/46

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: 32.609+/-0.000 χ^2/NDF: 340688651.0/23

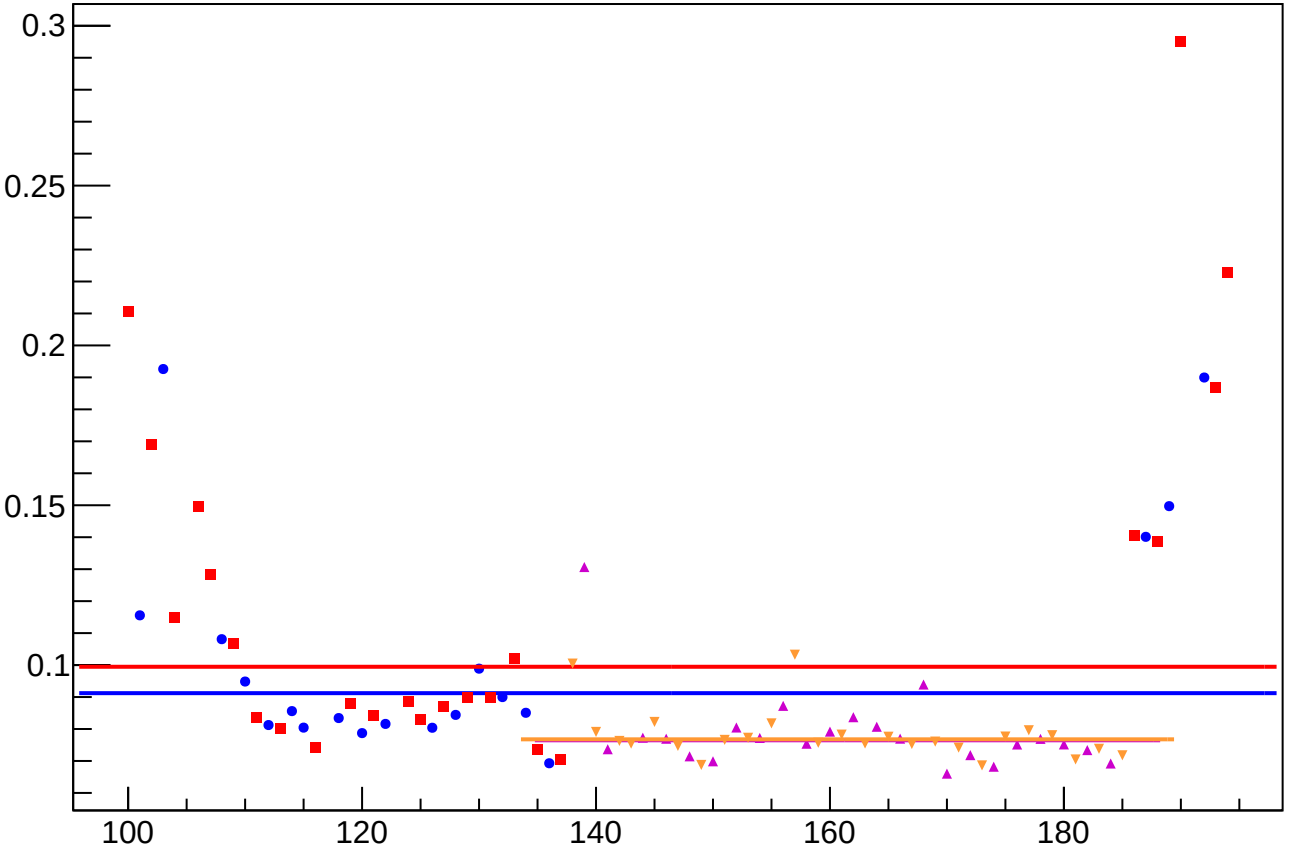
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.376+/-0.000 χ^2/NDF: 1766371864.8/43

All: 32.395+/-0.000 χ^2/NDF: 2745111238.5/9

- sign 32.414+/-0.000 χ^2/NDF: 975952227.9/46

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: 0.099+/-0.000 χ^2/NDF: 2138945.4/23

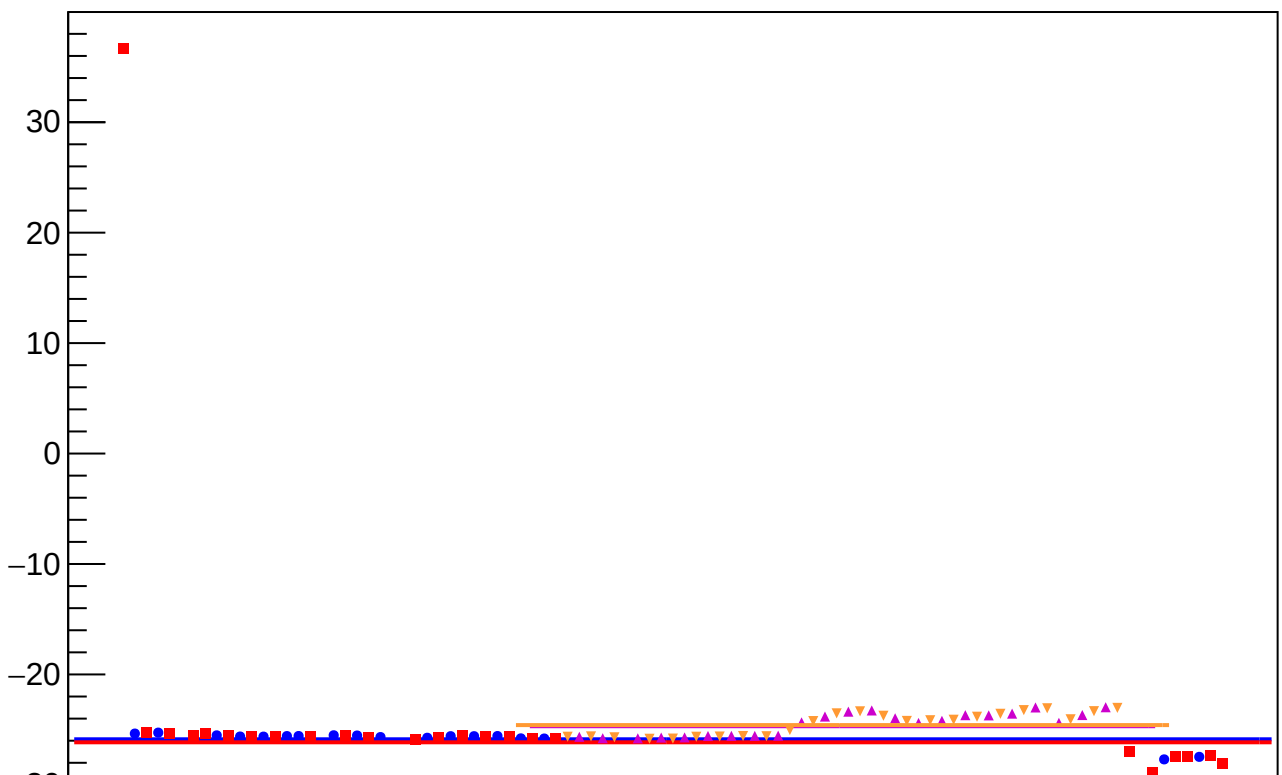
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.080+/-0.000 χ^2/NDF: 1879595.4/43

All: 0.081+/-0.000 χ^2/NDF: 5241472.7/90

- sign 0.082+/-0.000 χ^2/NDF: 3348627.5/46

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: -26.145+/-0.000 χ^2/NDF: 15242199102.4/23

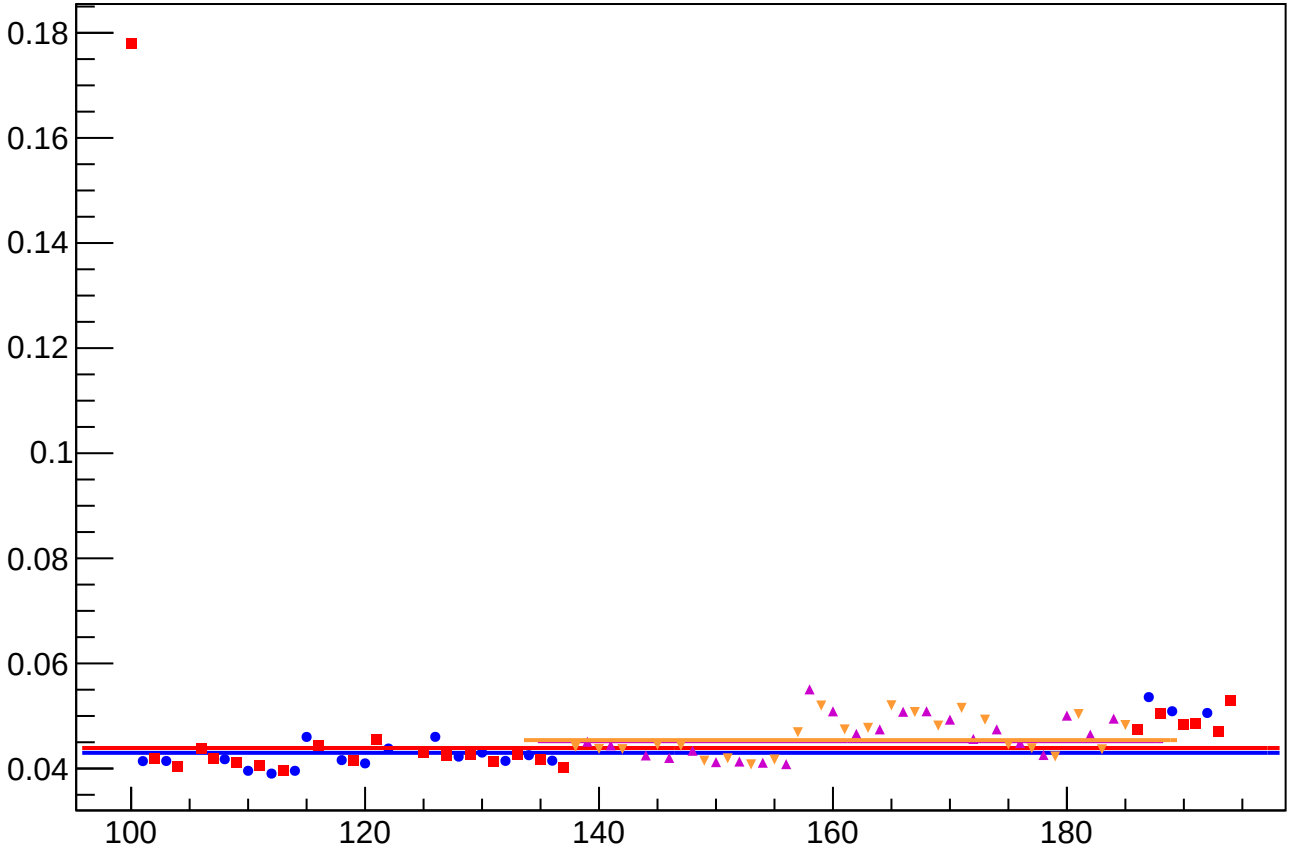
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.040+/-0.000 χ^2/NDF: 17278437367.3/42

All: -25.152+/-0.000 χ^2/NDF: 48874101655.9

- sign -25.257+/-0.000 χ^2/NDF: 31268723722.4/46

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: 0.044+/-0.000 χ^2/NDF: 238026.5/23

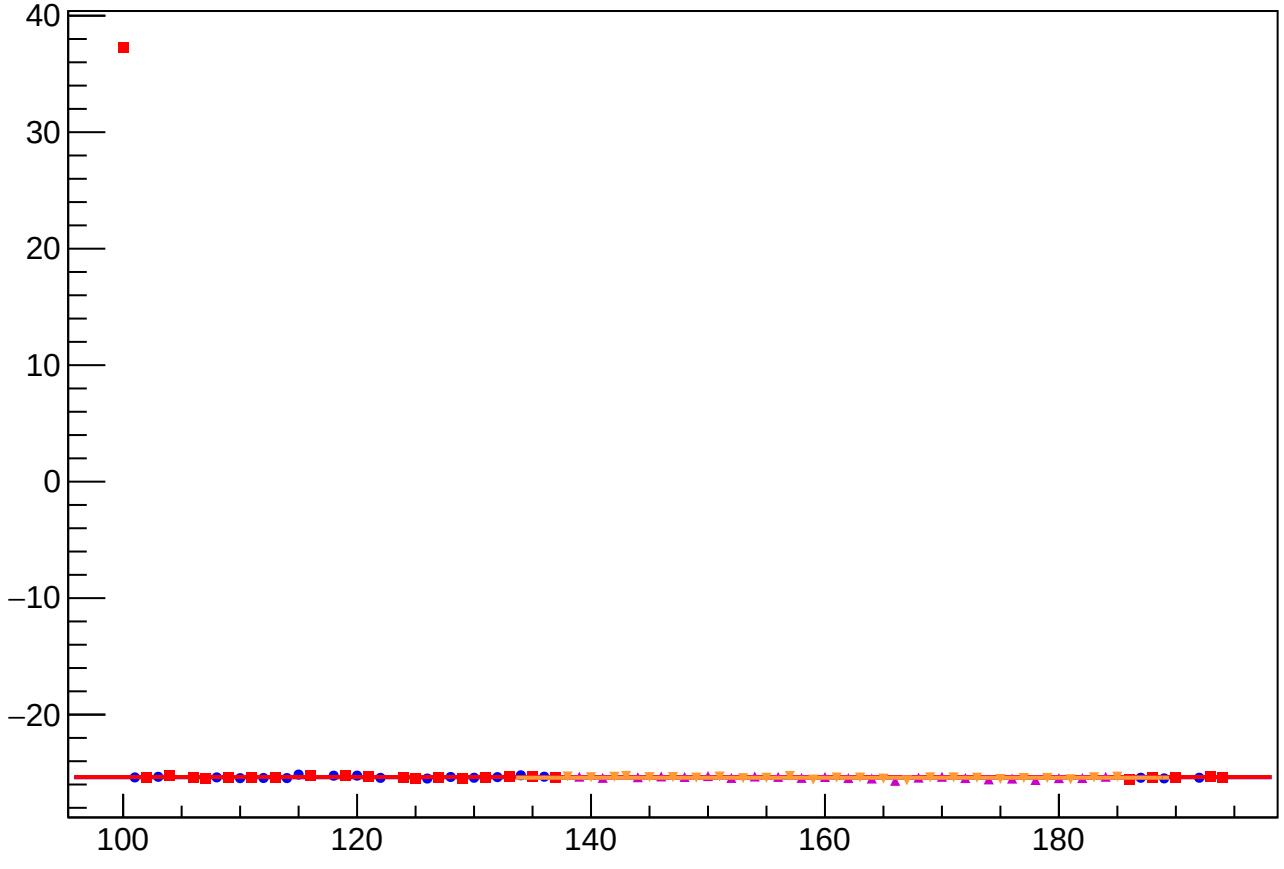
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.045+/-0.000 χ^2/NDF: 357318.9/42

All: 0.045+/-0.000 χ^2/NDF: 851709.8/89

- sign 0.045+/-0.000 χ^2/NDF: 494093.0/46

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: -25.357+/-0.000 χ^2/NDF: 6327069001.3/23

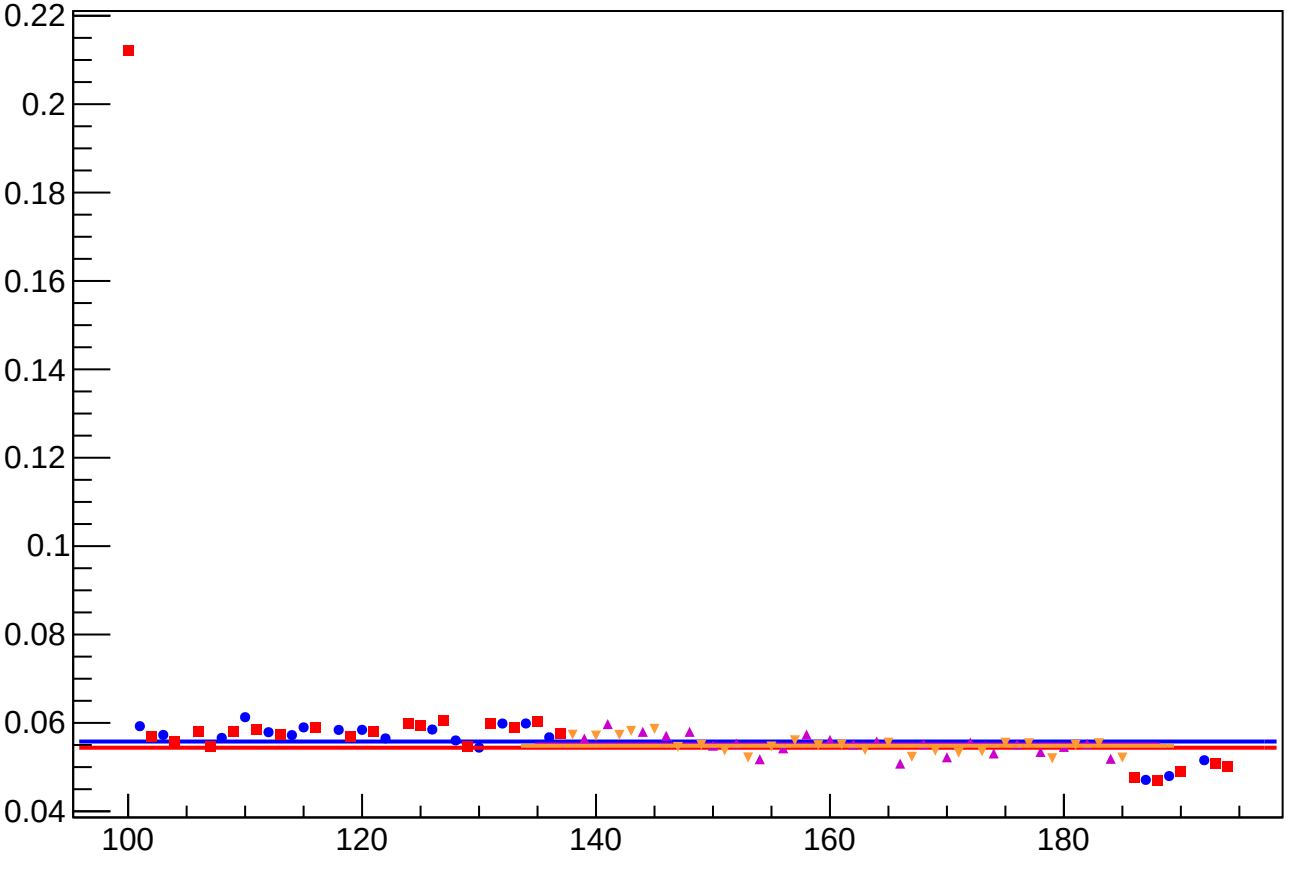
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.405+/-0.000 χ^2/NDF: 71715016.6/43

All: -25.399+/-0.000 χ^2/NDF: 6462556013.2/

- sign -25.393+/-0.000 χ^2/NDF: 6390121127.3/46

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: 0.054+/-0.000 χ^2/NDF: 237535.6/23

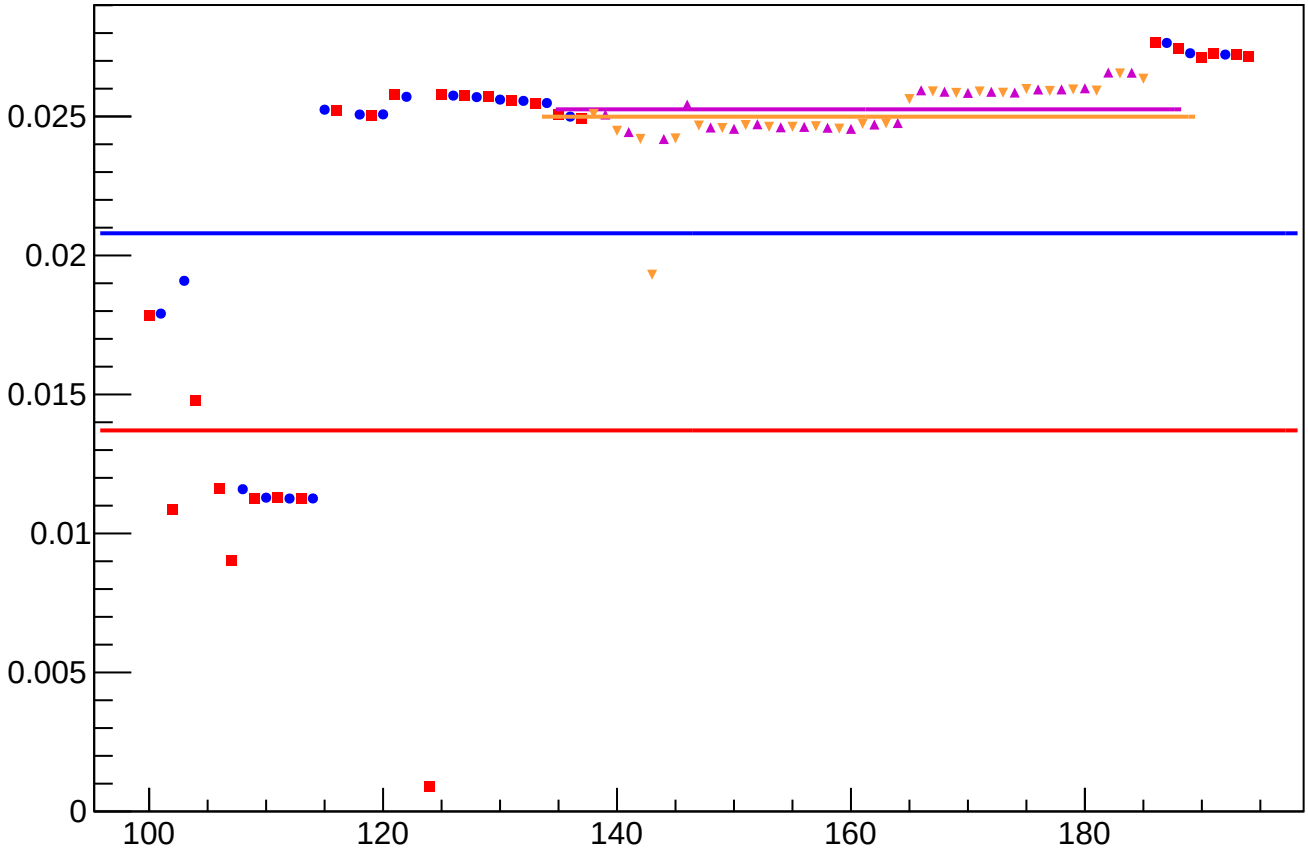
Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.055+/-0.000 χ^2/NDF: 121849.2/43

All: 0.055+/-0.000 χ^2/NDF: 413974.5/90

- sign 0.055+/-0.000 χ^2/NDF: 291386.3/46

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: 0.014+/-0.000 χ^2/NDF: 344466581724.0/24

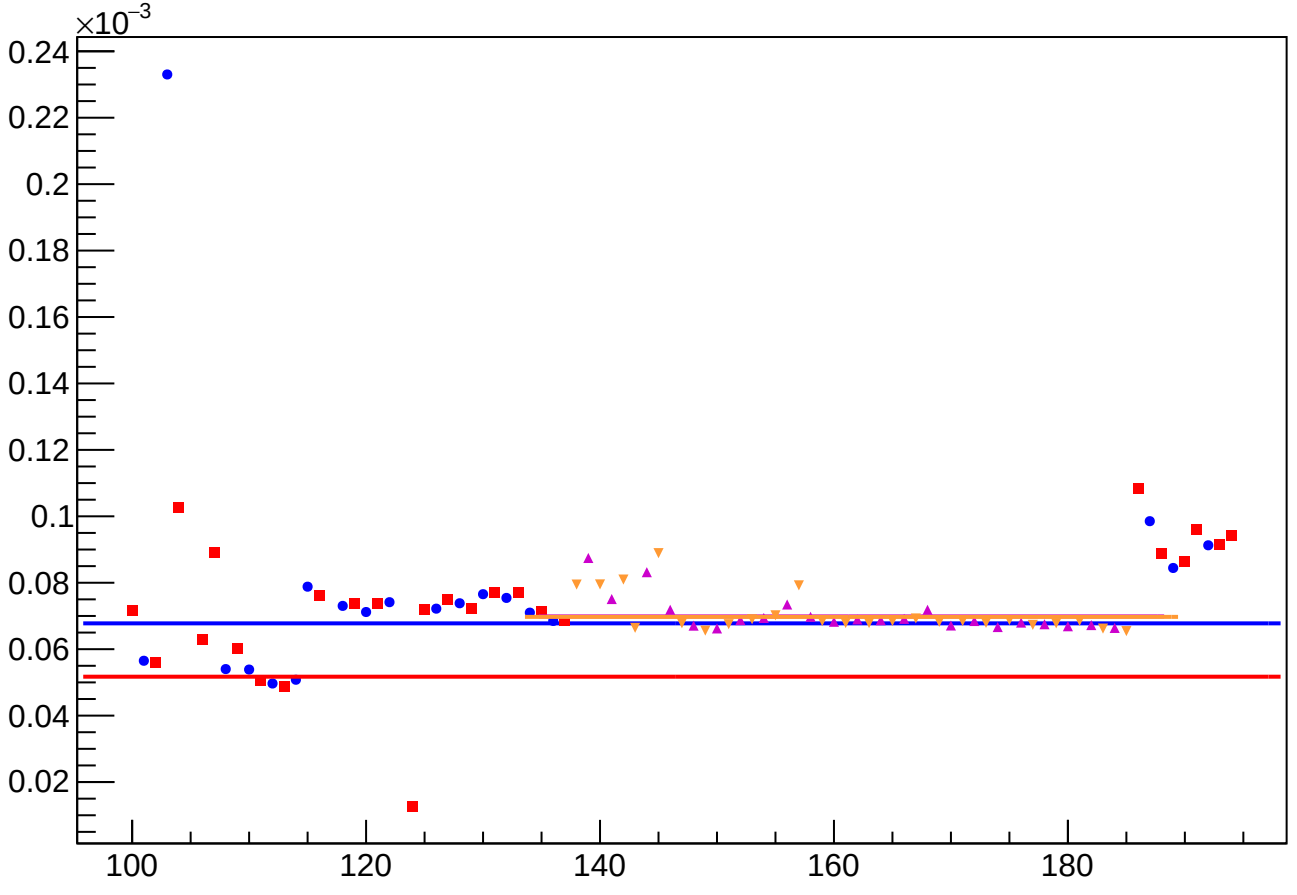
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 101609915512.1/43

All: 0.022+/-0.000 χ^2/NDF: 704744546299.0

- sign 0.020+/-0.000 χ^2/NDF: 564525820545.9/47

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

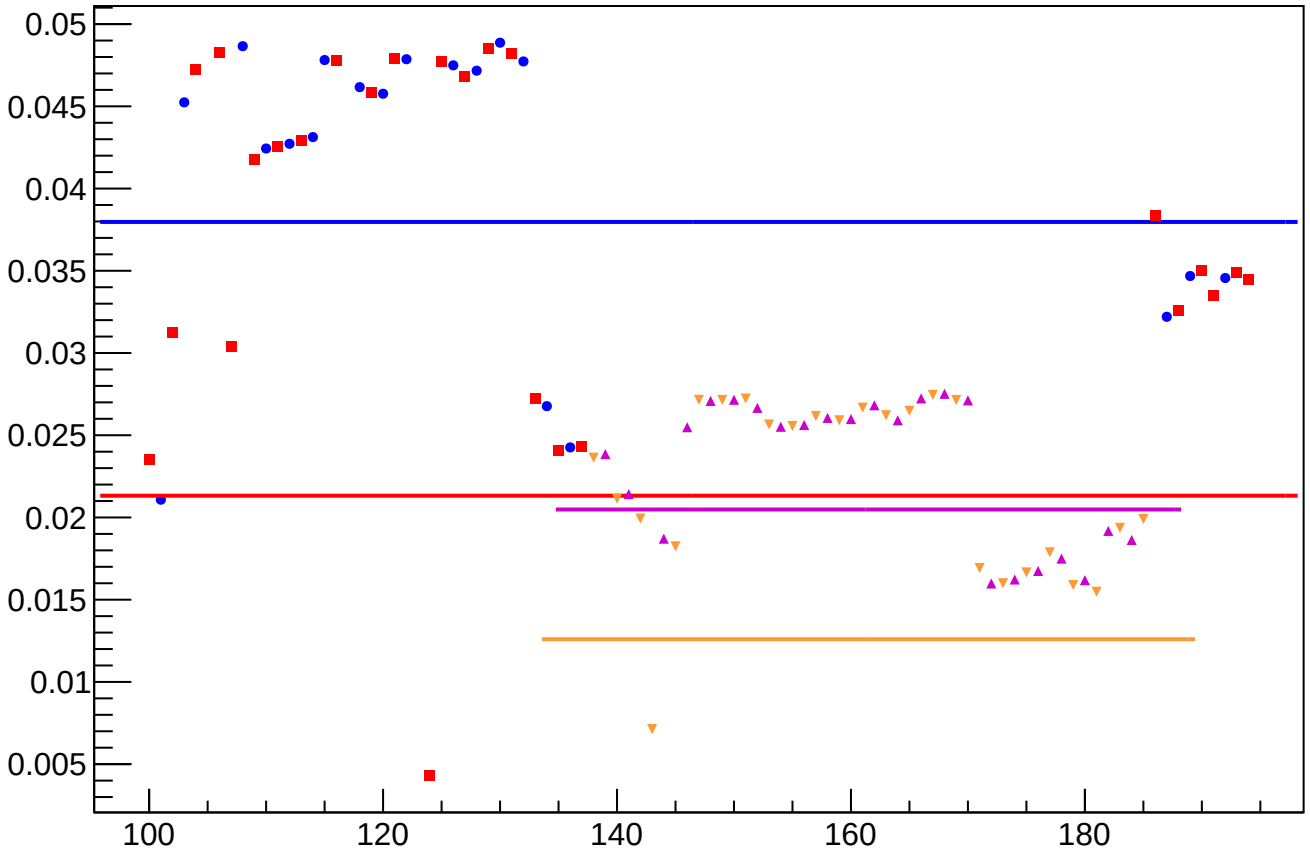
Right Out: 0.000+/-0.000 χ^2/NDF: 5431773.5/24

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: 8232639.6/91

- sign 0.000+/-0.000 χ^2/NDF: 6661883.8/47



Right In: 0.038+/-0.000 χ^2/NDF: 7182862004.6/18

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.021+/-0.000 χ^2/NDF: 44386961589.1/24

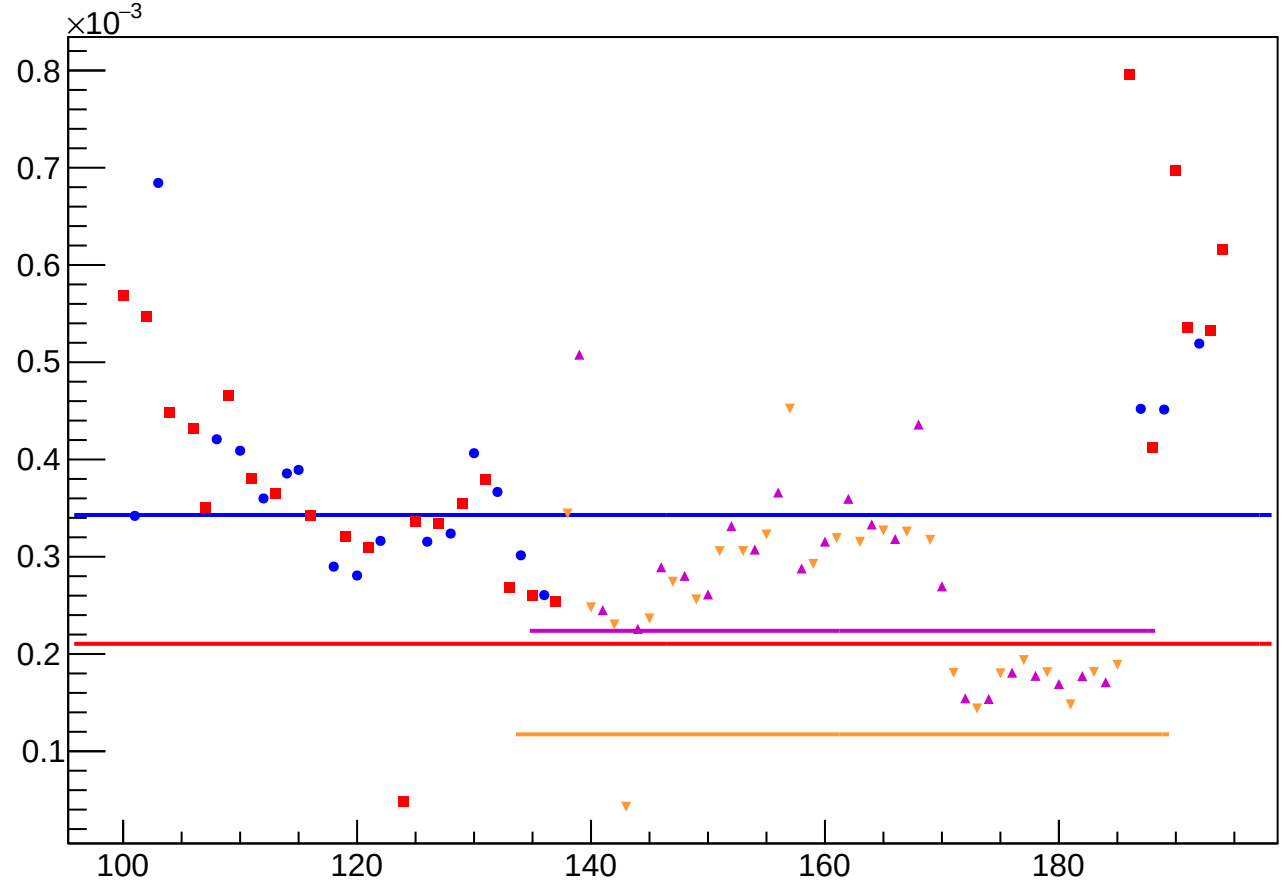
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 83536578062.3/43

All: 0.017+/-0.000 χ^2/NDF: 144693859173.6

- sign 0.021+/-0.000 χ^2/NDF: 50552379991.2/47

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: 8580100.2/24

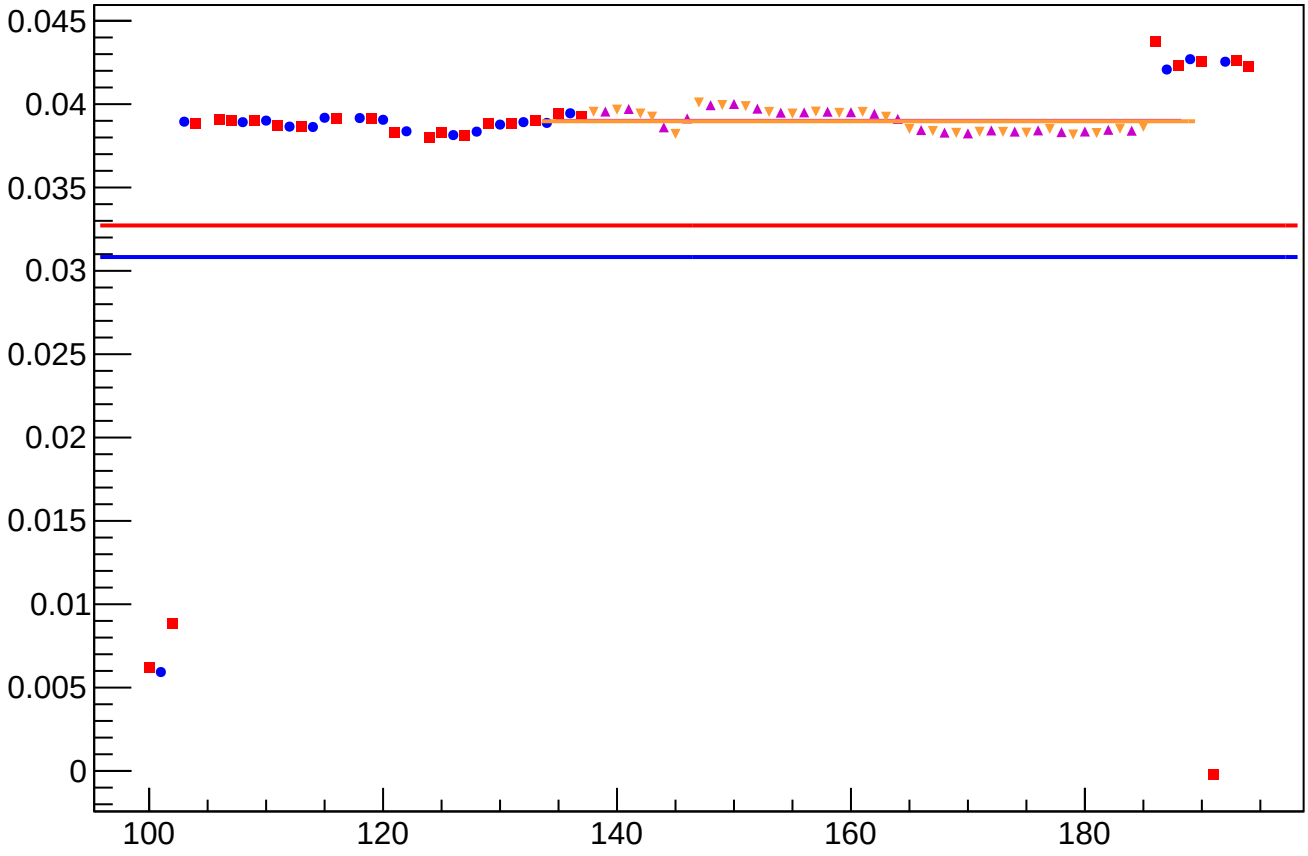
Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 21463656.4/43

All: 0.000+/-0.000 χ^2/NDF: 37494885.7/91

- sign 0.000+/-0.000 χ^2/NDF: 12001366.8/47

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

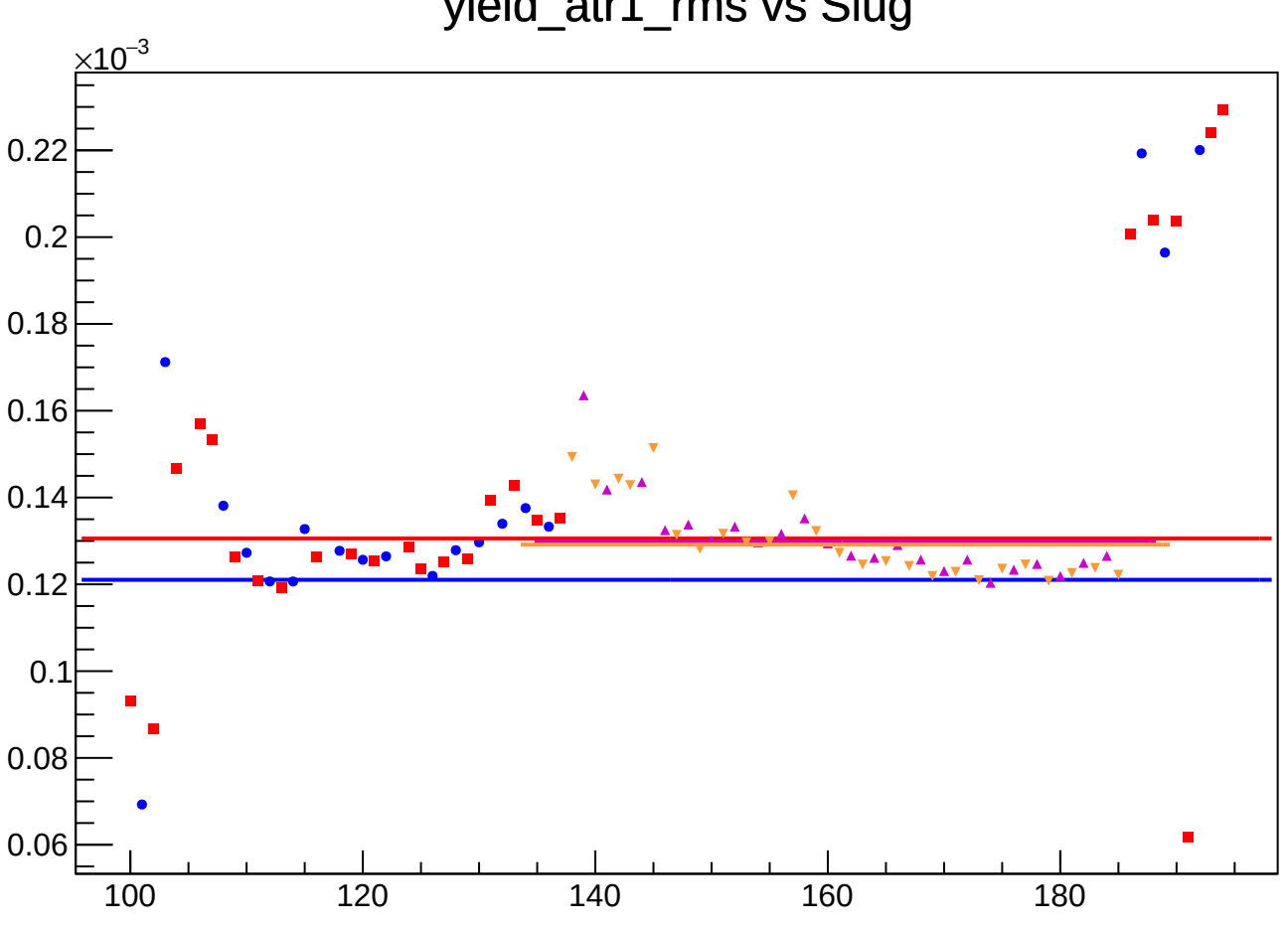
Right Out: 0.033+/-0.000 χ^2/NDF: 110270244368.7/24

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: 264018763715.1

- sign 0.037+/-0.000 χ^2/NDF: 125249432516.0/47



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: 1789105.8/24

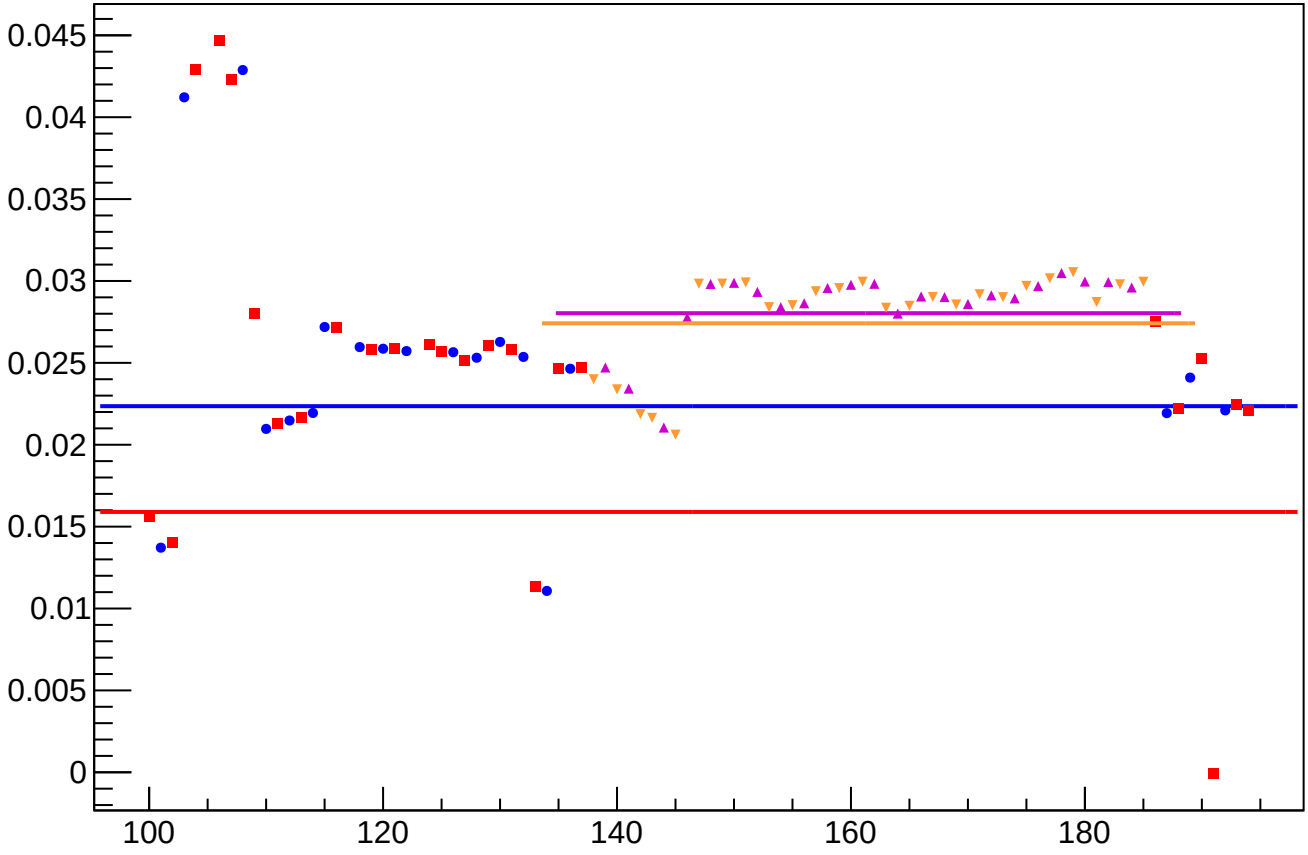
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 1716299.6/43

All: 0.000+/-0.000 χ^2/NDF: 3668403.7/91

- sign 0.000+/-0.000 χ^2/NDF: 1931408.0/47

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

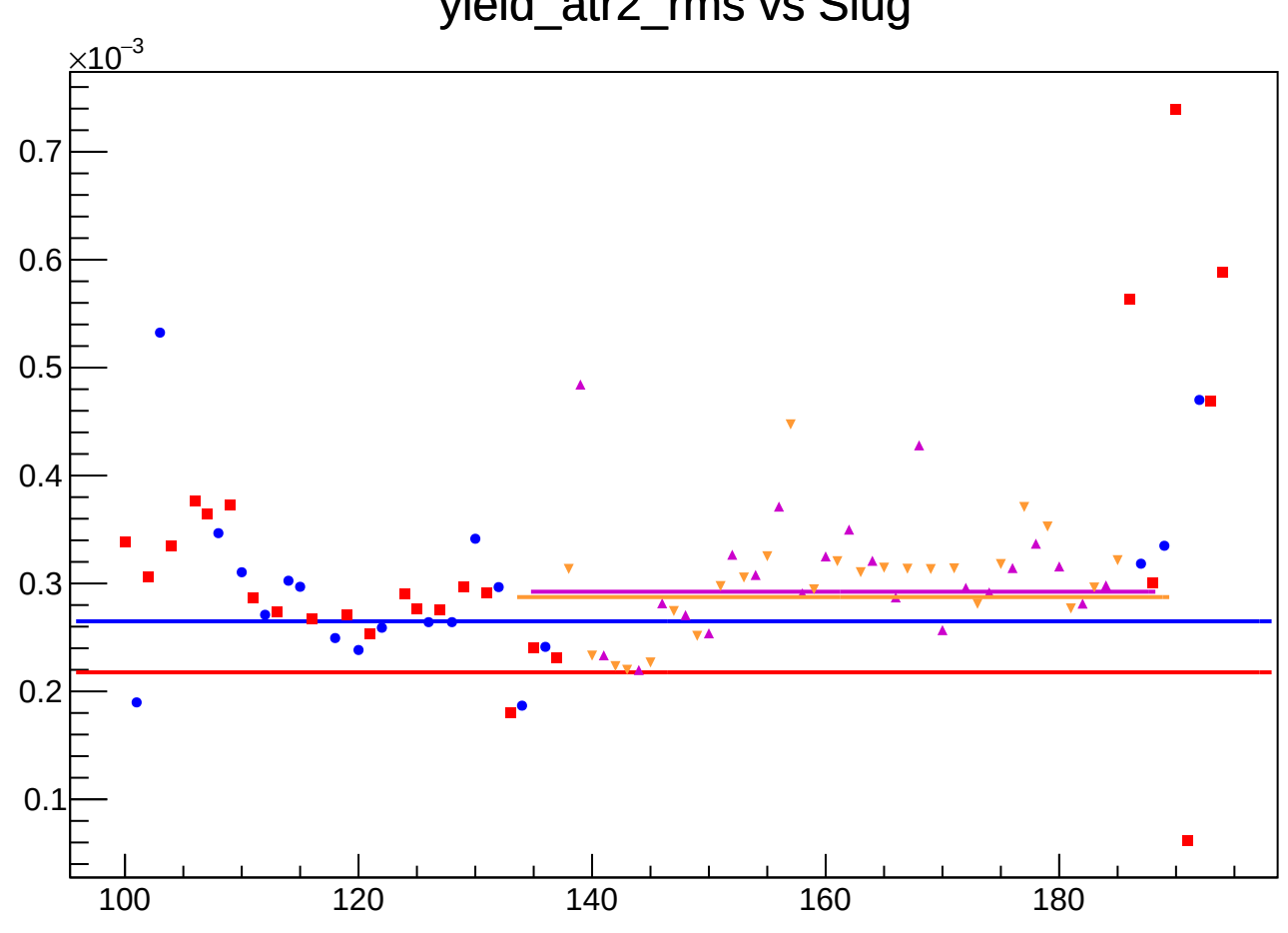
Right Out: 0.016+/-0.000 χ^2/NDF: 24852221852.6/24

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: 49763161501.7/9

- sign 0.023+/-0.000 χ^2/NDF: 39088545005.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 1150218.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

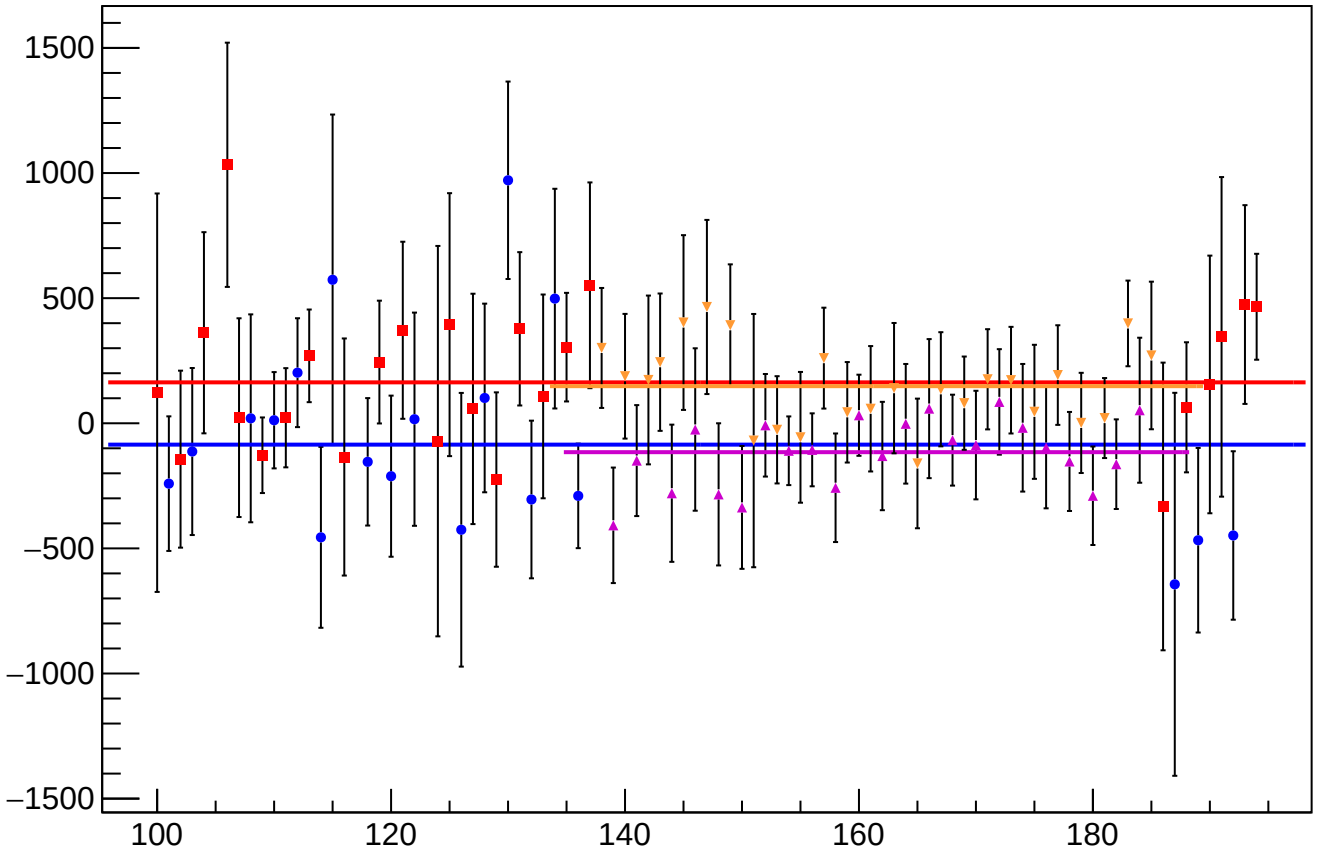
Right Out: 0.000+/-0.000 χ^2/NDF: 5294757.7/24

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: 9419348.2/91

- sign 0.000+/-0.000 χ^2/NDF: 7231620.5/47



Right In: -85.360+/-72.525 χ^2/NDF: 18.5/18

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: 163.505+/-61.018 χ^2/NDF: 16.7/24

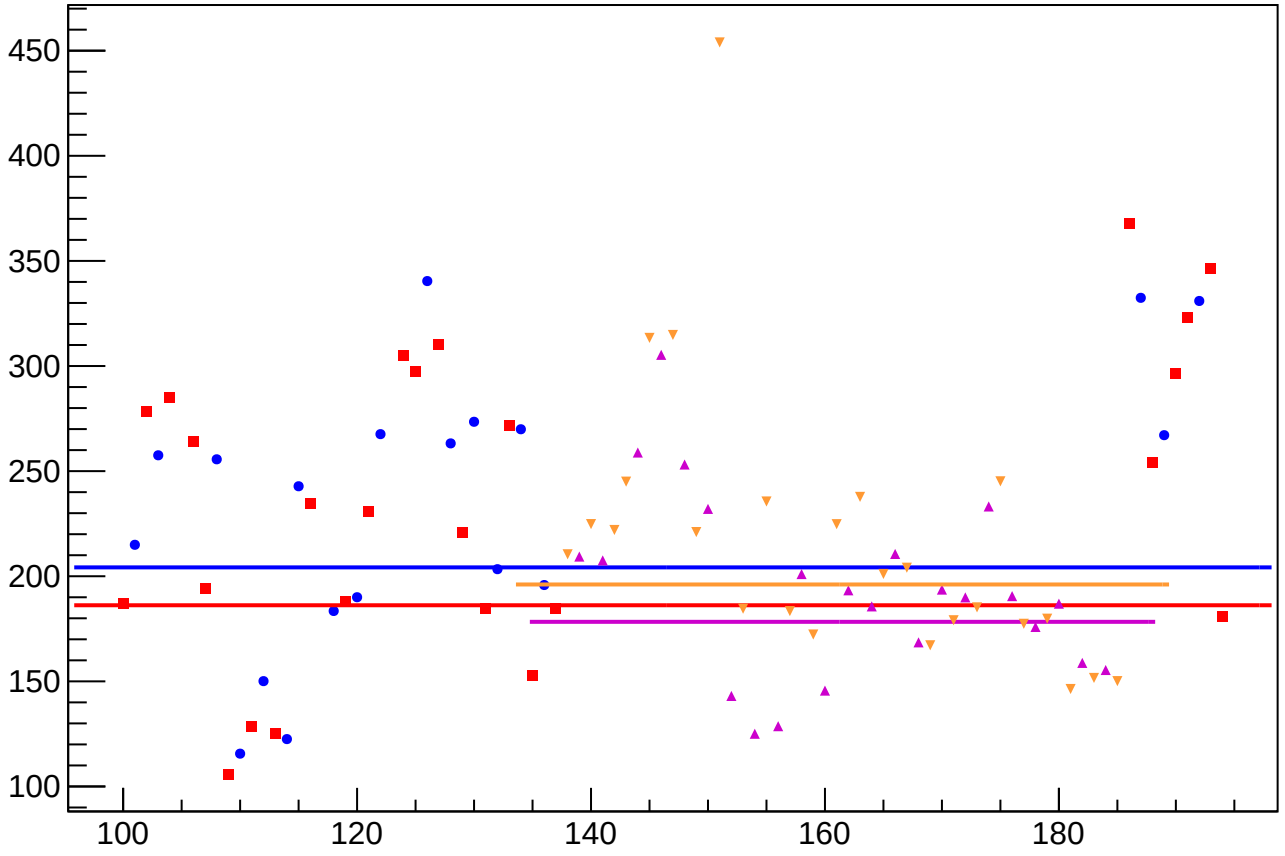
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 80.793+/-38.977 χ^2/NDF: 36.3/43

All: 24.941+/-26.228 χ^2/NDF: 78.3/91

- sign -21.279+/-35.457 χ^2/NDF: 38.3/47

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

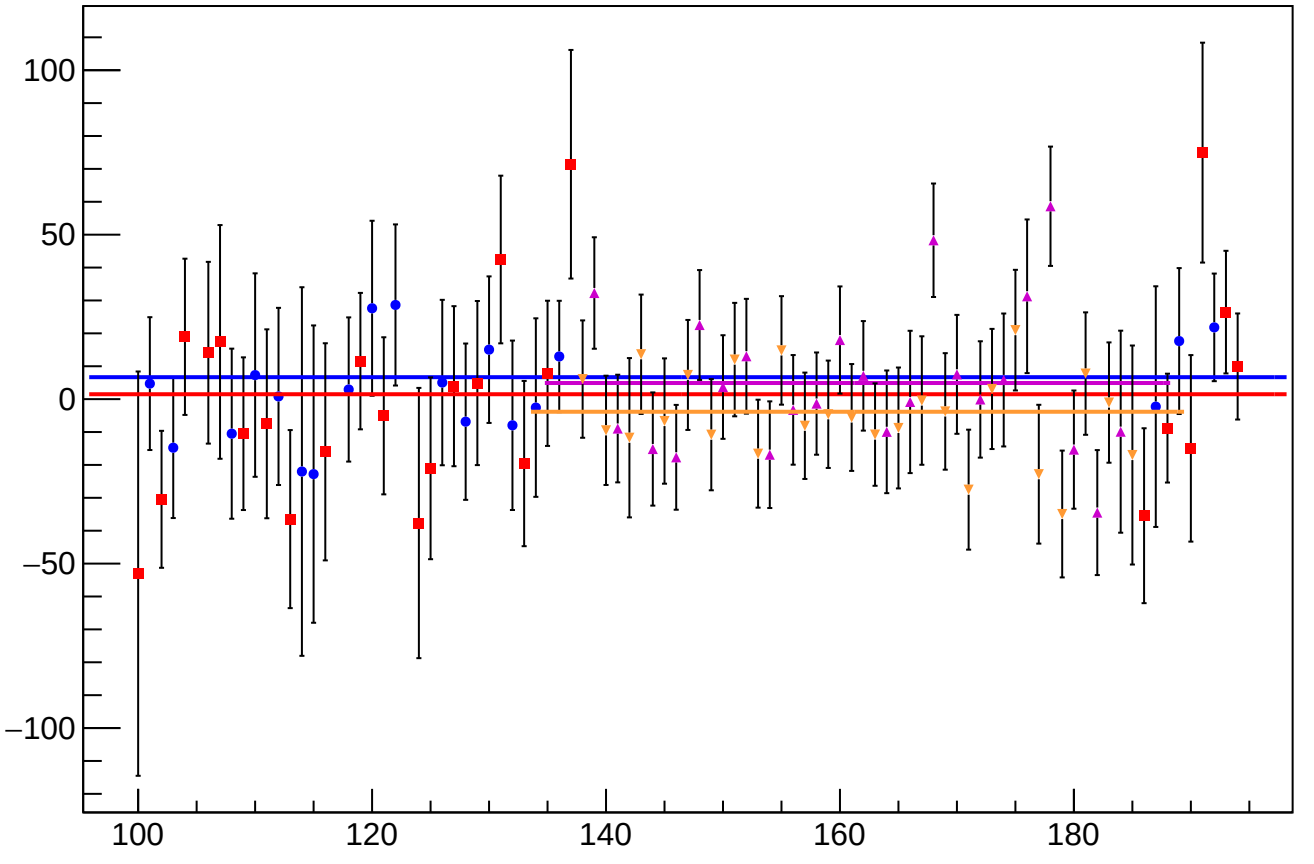
Right Out: 186.201+/-0.043 χ^2/NDF: 2597961.9/24

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

\+ sign 198.435+/-0.028 χ^2/NDF: 3319915.9/43

All: 188.884+/-0.019 χ^2/NDF: 7837810.2/91

\- sign 180.980+/-0.025 χ^2/NDF: 4298408.1/47



Right In: 6.674+/-5.524 χ^2/NDF: 5.9/18

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

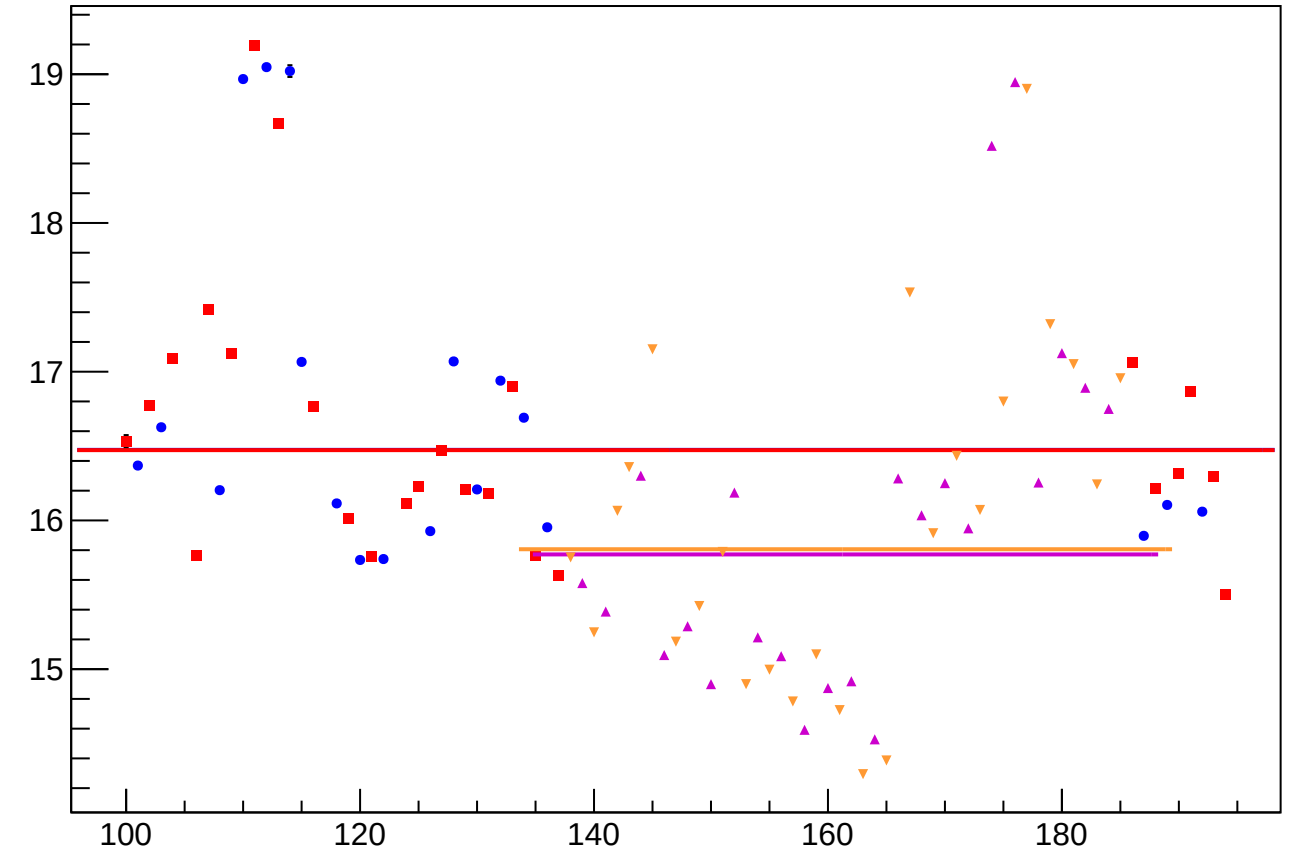
Right Out: 1.491+/-4.938 χ^2/NDF: 25.6/24

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

\+ sign -0.699+/-3.018 χ^2/NDF: 21.2/43

All: 1.533+/-2.113 χ^2/NDF: 82.1/91

\- sign 3.678+/-2.959 χ^2/NDF: 59.8/47



Right In: 16.474+/-0.004 χ^2/NDF: 47492.4/18

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

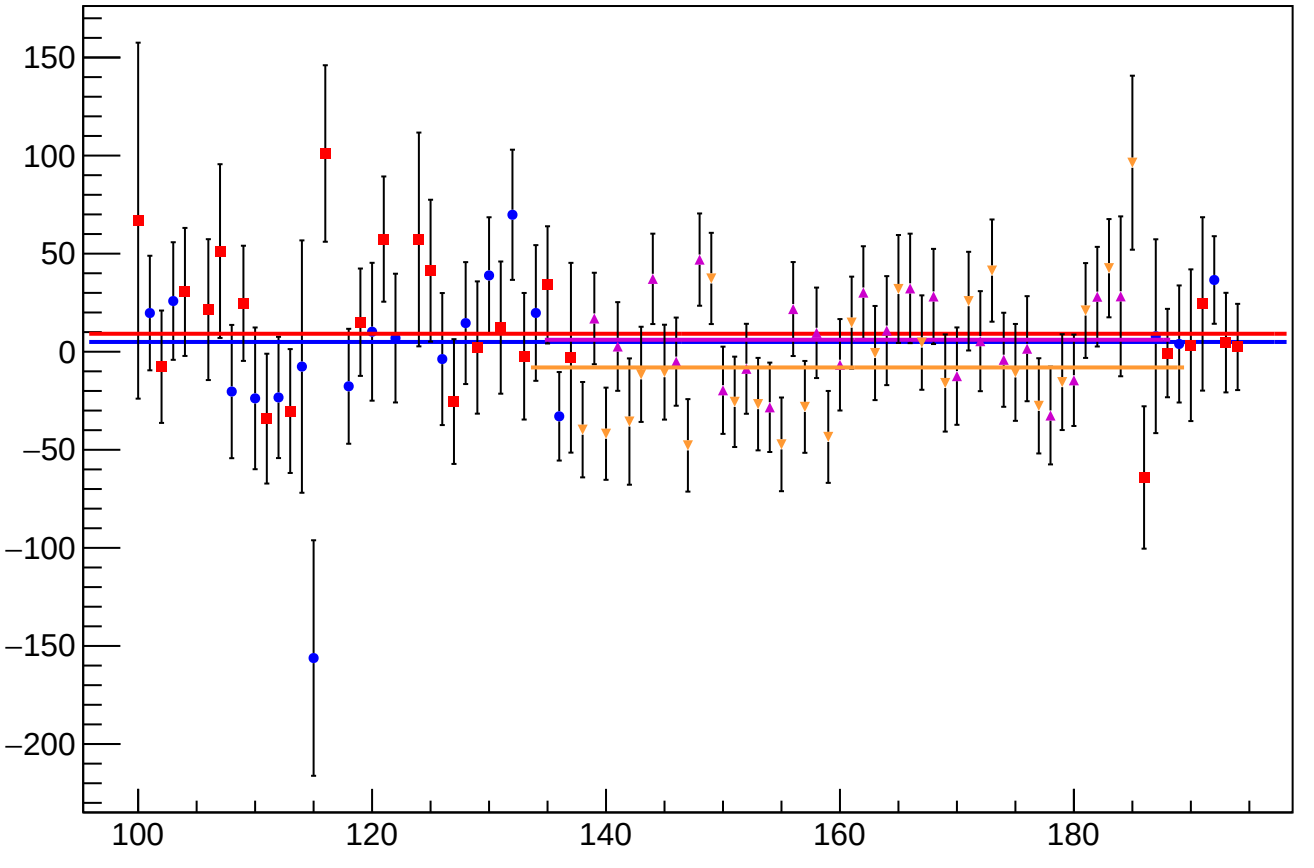
Right Out: 16.473+/-0.003 χ^2/NDF: 53964.8/24

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

\+ sign 16.006+/-0.002 χ^2/NDF: 240666.7/43

All: 16.015+/-0.001 χ^2/NDF: 472655.6/91

\- sign 16.023+/-0.002 χ^2/NDF: 231954.6/47



Right In: 4.977+/-7.315 χ^2/NDF: 20.9/18

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: 9.158+/-6.546 χ^2/NDF: 20.5/24

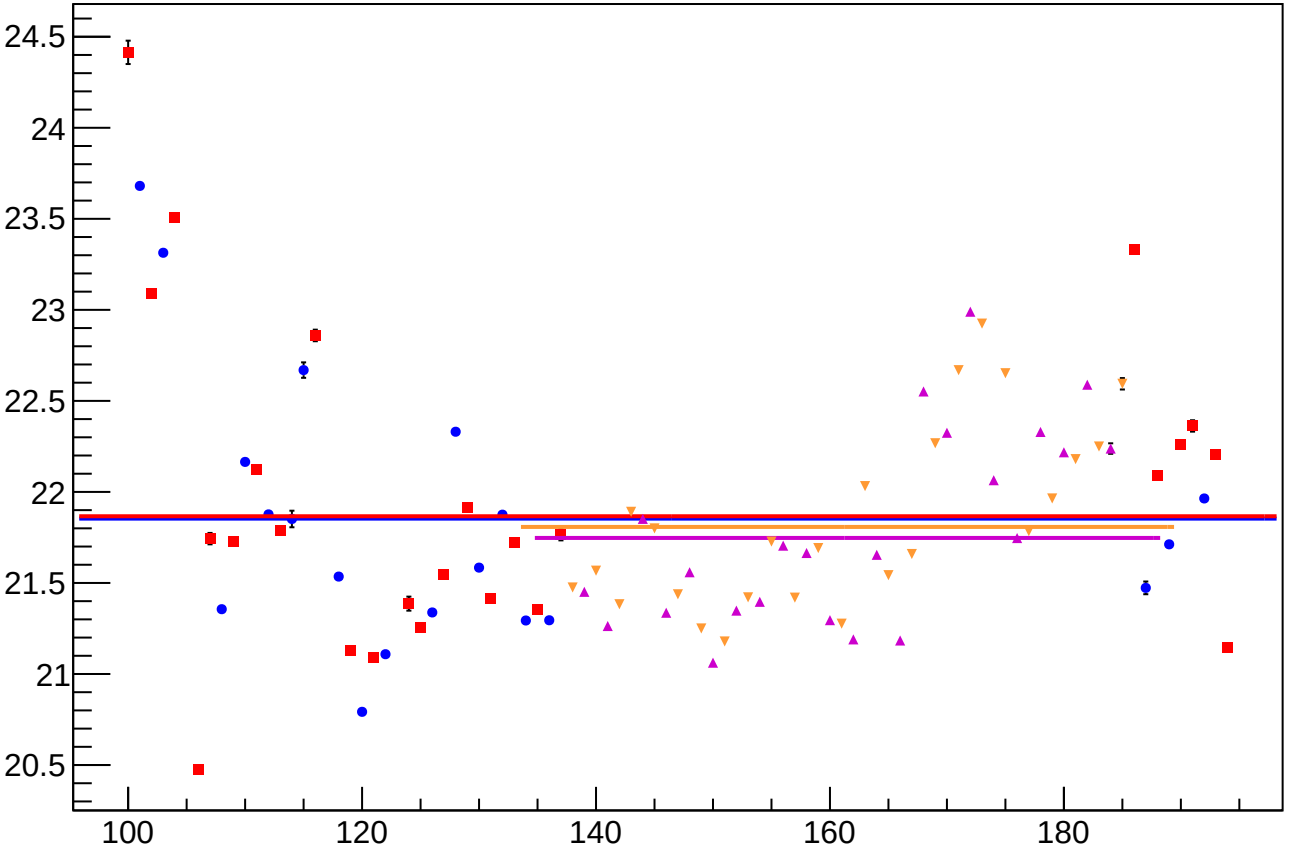
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

+ sign -3.928+/-4.103 χ^2/NDF: 61.9/43

All: 1.780+/-2.869 χ^2/NDF: 104.2/91

- sign 7.241+/-4.013 χ^2/NDF: 38.5/47

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

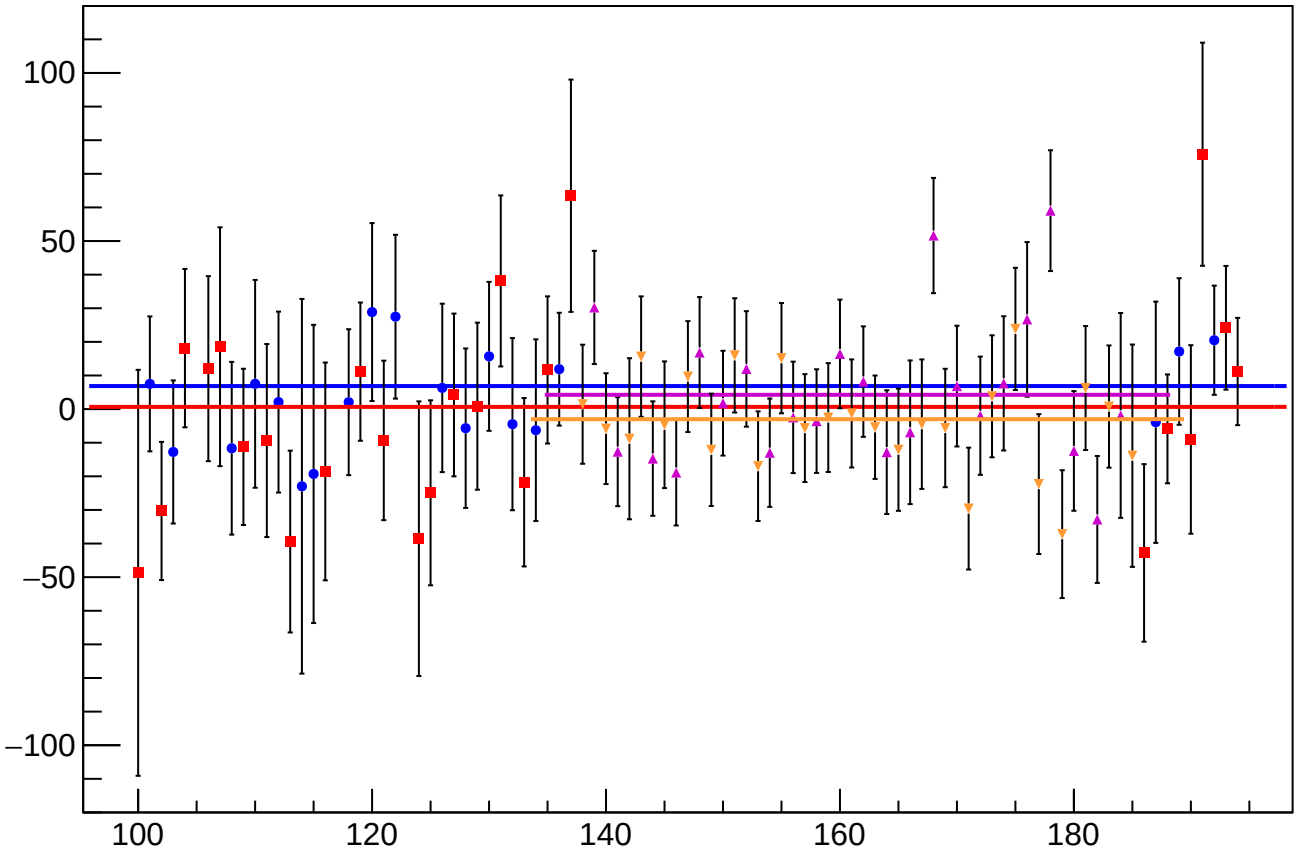
Right Out: 21.866+/-0.005 χ^2/NDF: 25439.5/24

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.822+/-0.003 χ^2/NDF: 37296.3/43

All: 21.807+/-0.002 χ^2/NDF: 83764.5/91

- sign 21.792+/-0.003 χ^2/NDF: 46413.3/47



Right In: 6.852+/-5.487 χ^2/NDF: 5.5/18

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

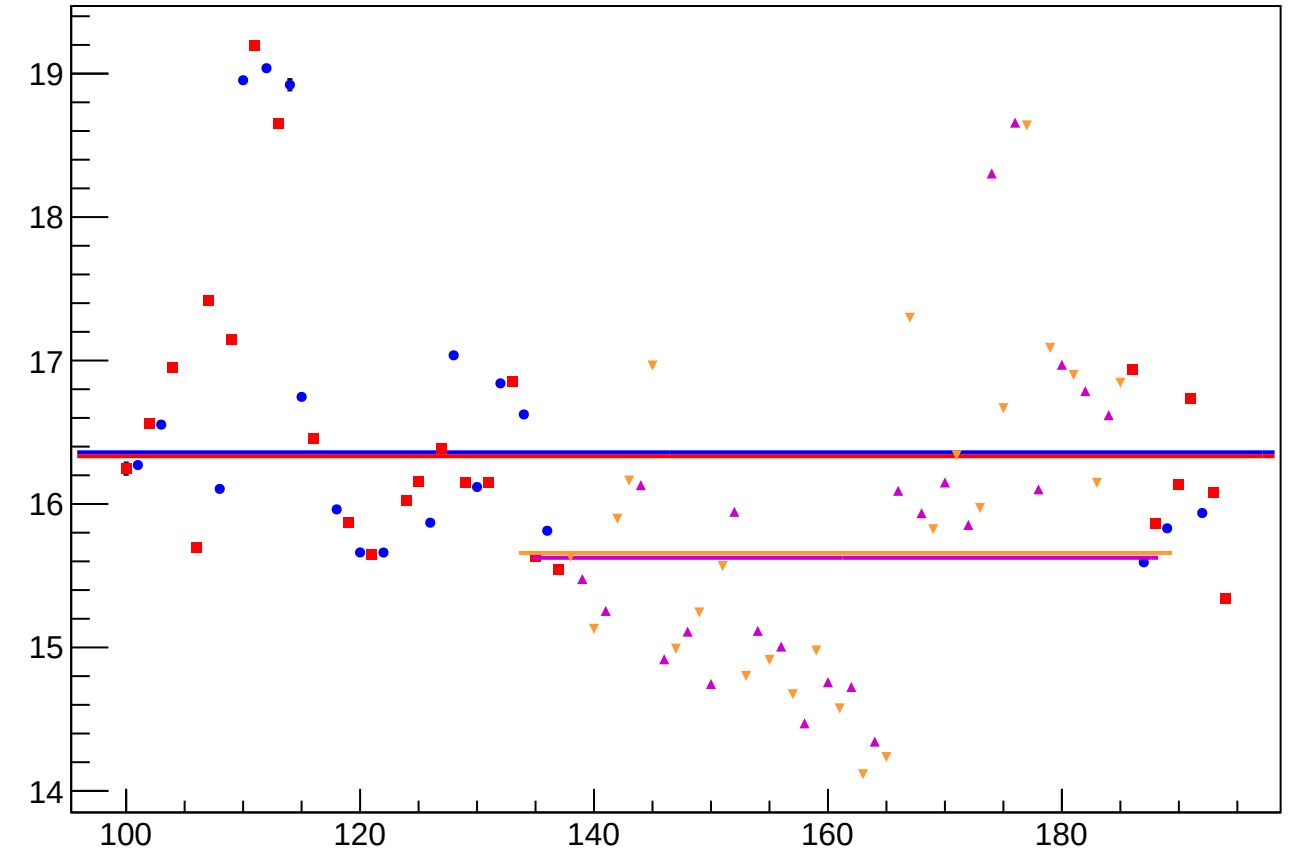
Right Out: 0.658+/-4.897 χ^2/NDF: 25.8/24

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign -0.073+/-2.992 χ^2/NDF: 22.4/43

All: 1.475+/-2.094 χ^2/NDF: 82.9/91

- sign 2.962+/-2.932 χ^2/NDF: 60.0/47



Right In: 16.360+/-0.004 χ^2/NDF: 51462.8/18

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

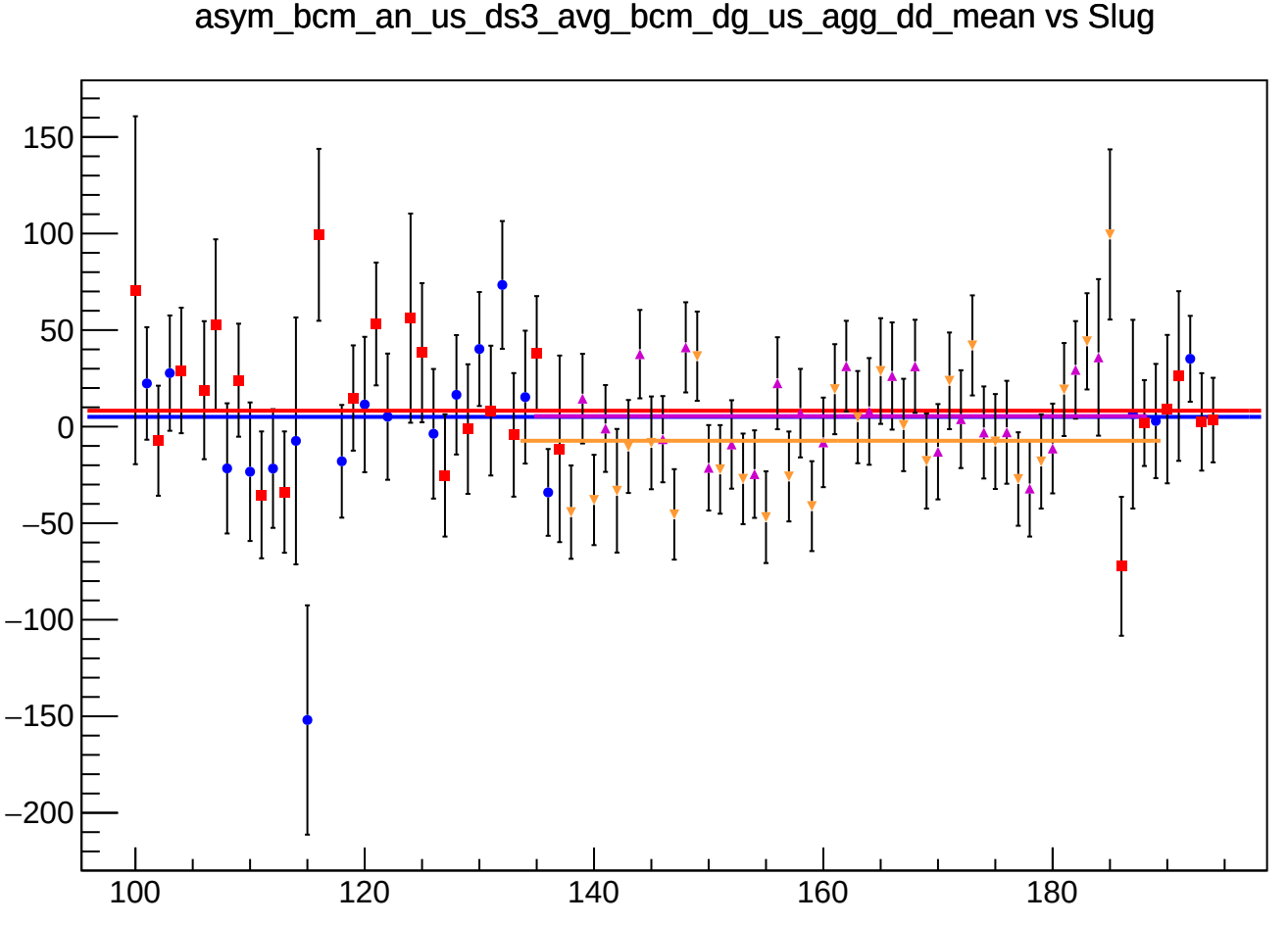
Right Out: 16.333+/-0.003 χ^2/NDF: 59784.5/24

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

\+ sign 15.867+/-0.002 χ^2/NDF: 244269.9/43

All: 15.873+/-0.001 χ^2/NDF: 481323.3/91

\- sign 15.879+/-0.002 χ^2/NDF: 237038.6/47



Right In: 5.041+/-7.280 χ^2/NDF: 21.5/18

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

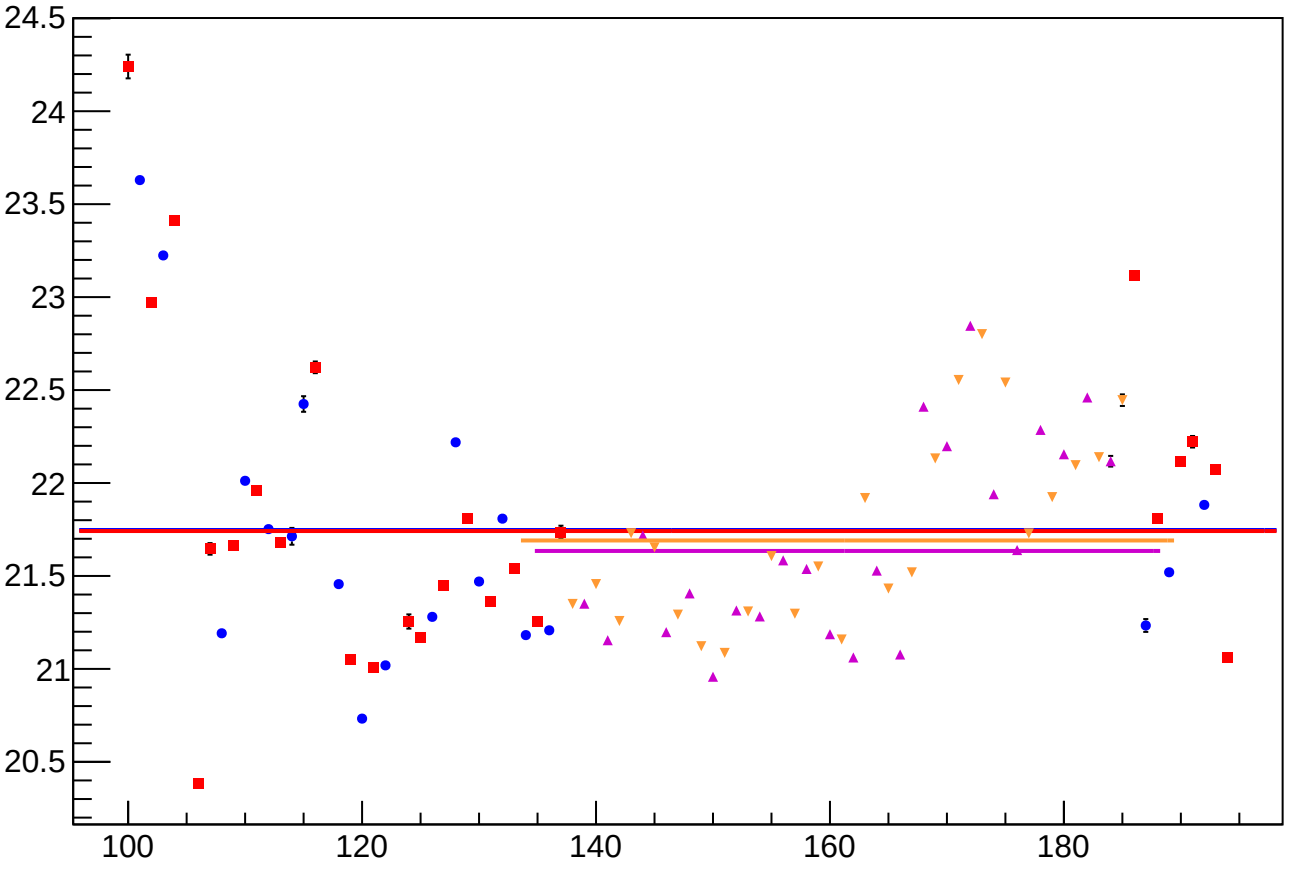
Right Out: 8.251+/-6.508 χ^2/NDF: 21.8/24

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

+ sign -3.433+/-4.082 χ^2/NDF: 62.1/43

All: 1.641+/-2.854 χ^2/NDF: 104.2/91

- sign 6.494+/-3.992 χ^2/NDF: 39.1/47



Right In: 21.747+/-0.005 χ^2/NDF: 20163.7/18

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

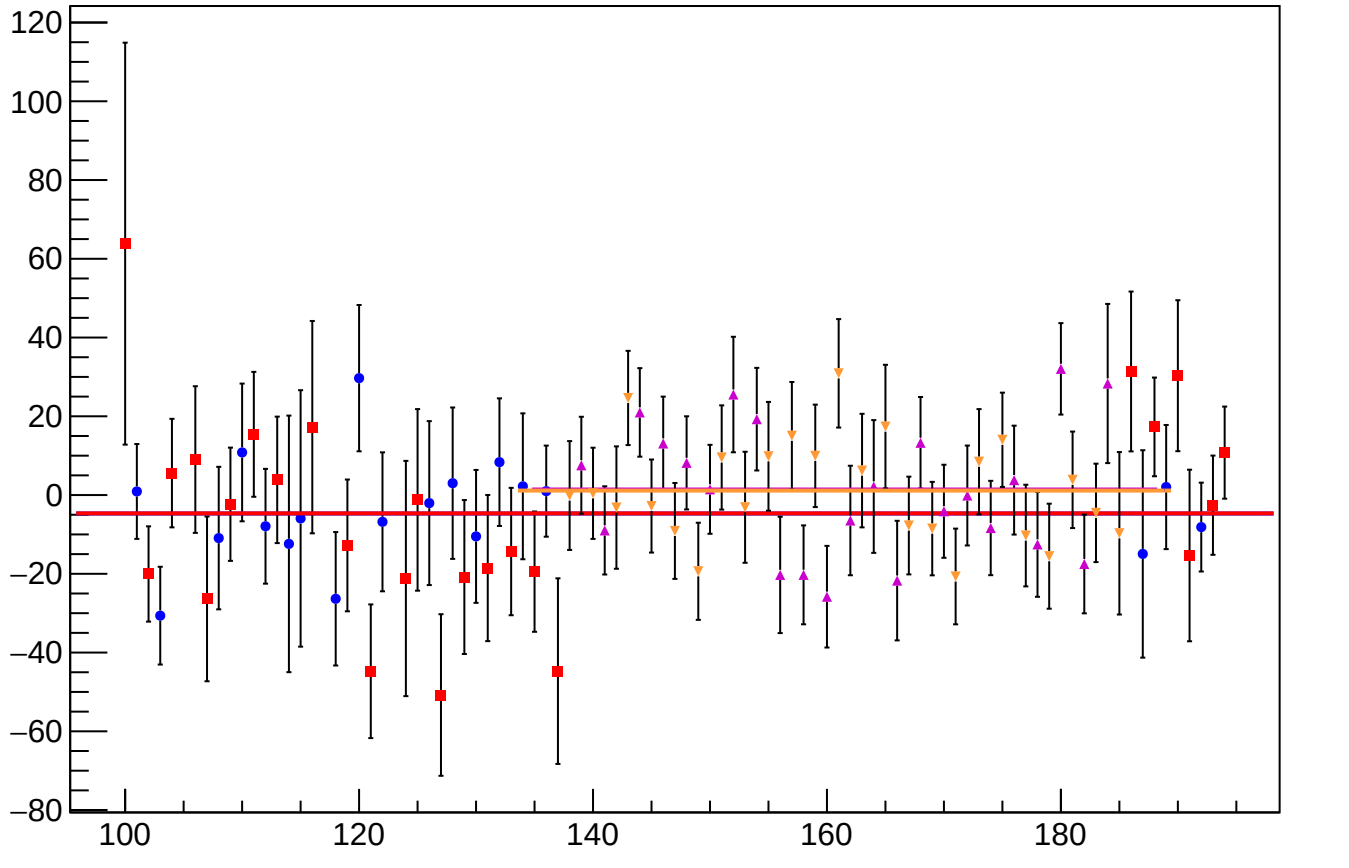
Right Out: 21.742+/-0.005 χ^2/NDF: 24039.7/24

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.709+/-0.003 χ^2/NDF: 38180.4/43

All: 21.691+/-0.002 χ^2/NDF: 83189.4/91

- sign 21.675+/-0.003 χ^2/NDF: 44939.2/47



Right In: -4.692+/-3.729 χ^2/NDF: 12.4/18

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: -4.656+/-3.394 χ^2/NDF: 36.3/24

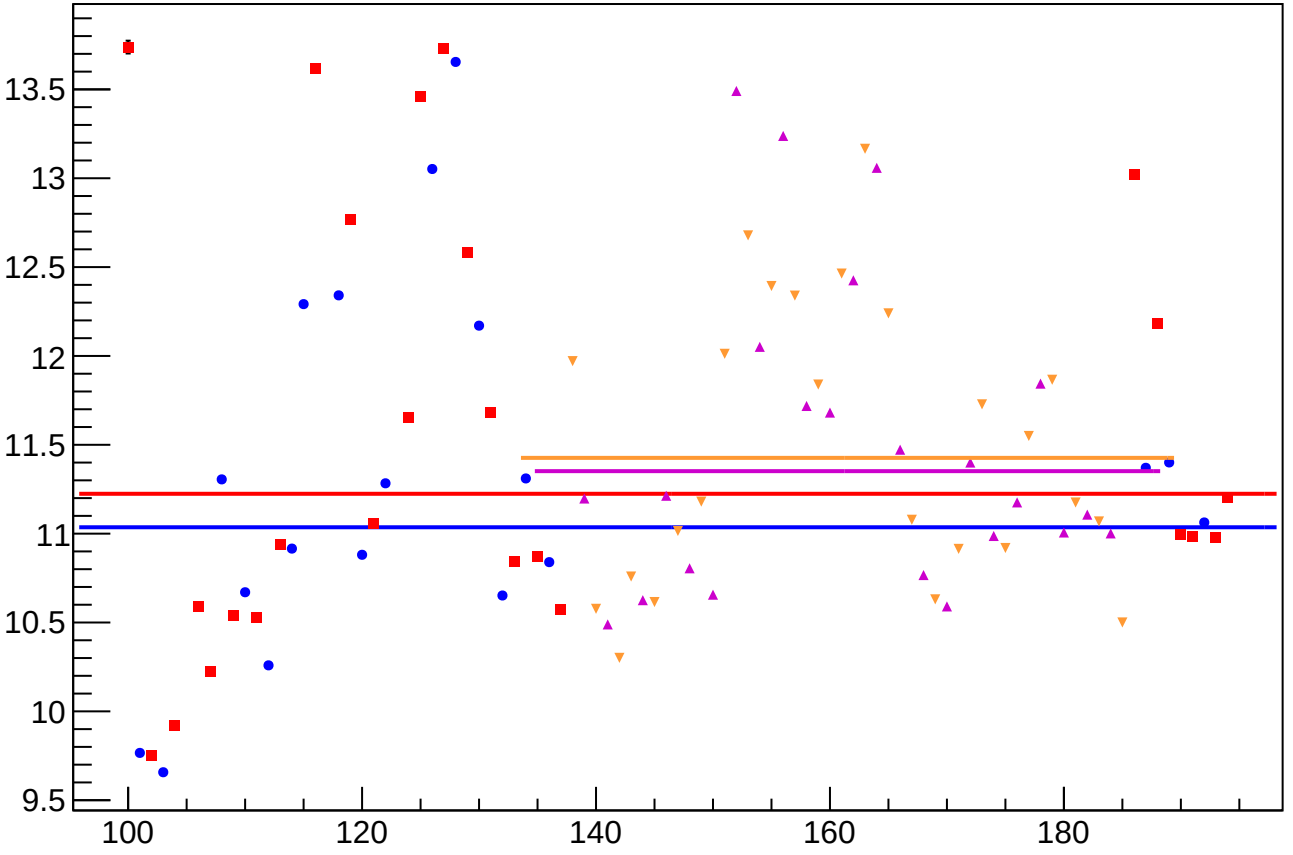
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.789+/-2.144 χ^2/NDF: 38.6/43

All: -0.853+/-1.500 χ^2/NDF: 113.2/91

- sign -0.915+/-2.100 χ^2/NDF: 74.6/47

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

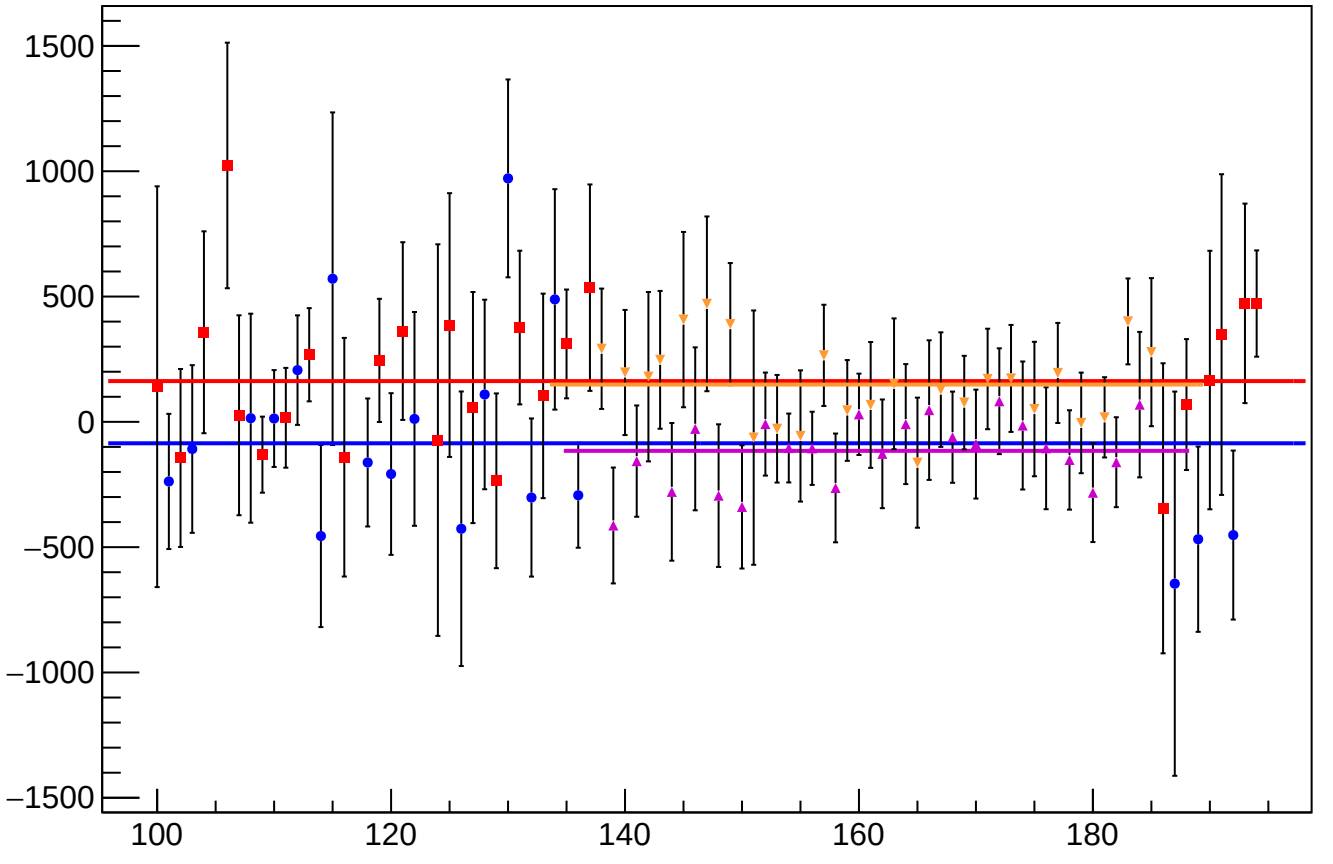
Right Out: 11.224+/-0.002 χ^2/NDF: 193584.9/24

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.297+/-0.002 χ^2/NDF: 309386.5/43

All: 11.300+/-0.001 χ^2/NDF: 675279.8/91

- sign 11.303+/-0.001 χ^2/NDF: 365886.5/47



Right In: -85.538+/-72.733 χ^2/NDF: 18.5/18

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 162.655+/-61.204 χ^2/NDF: 16.8/24

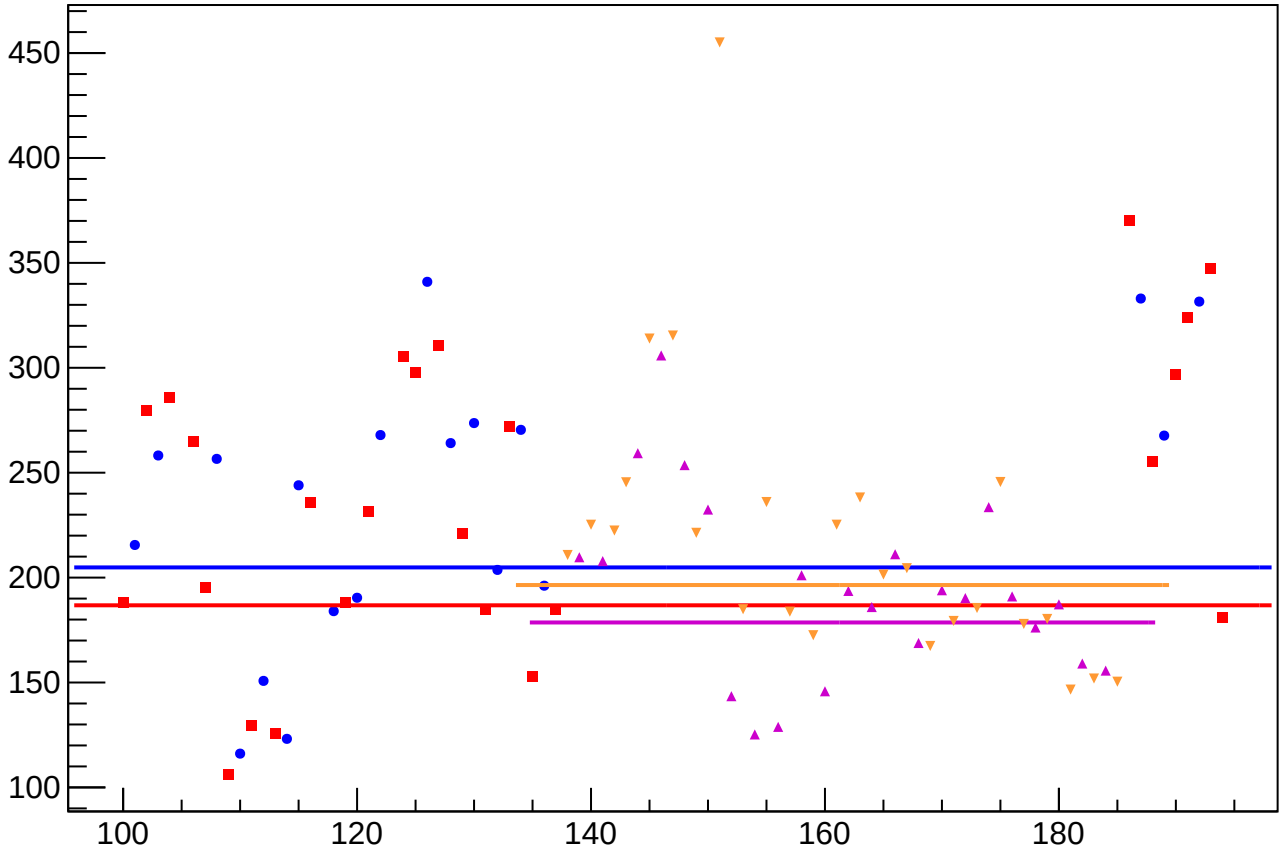
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 81.285+/-39.062 χ^2/NDF: 36.4/43

All: 24.831+/-26.285 χ^2/NDF: 78.5/91

- sign -21.885+/-35.533 χ^2/NDF: 38.3/47

asym_bcm_an_us_bcm_an_ds3_agg_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

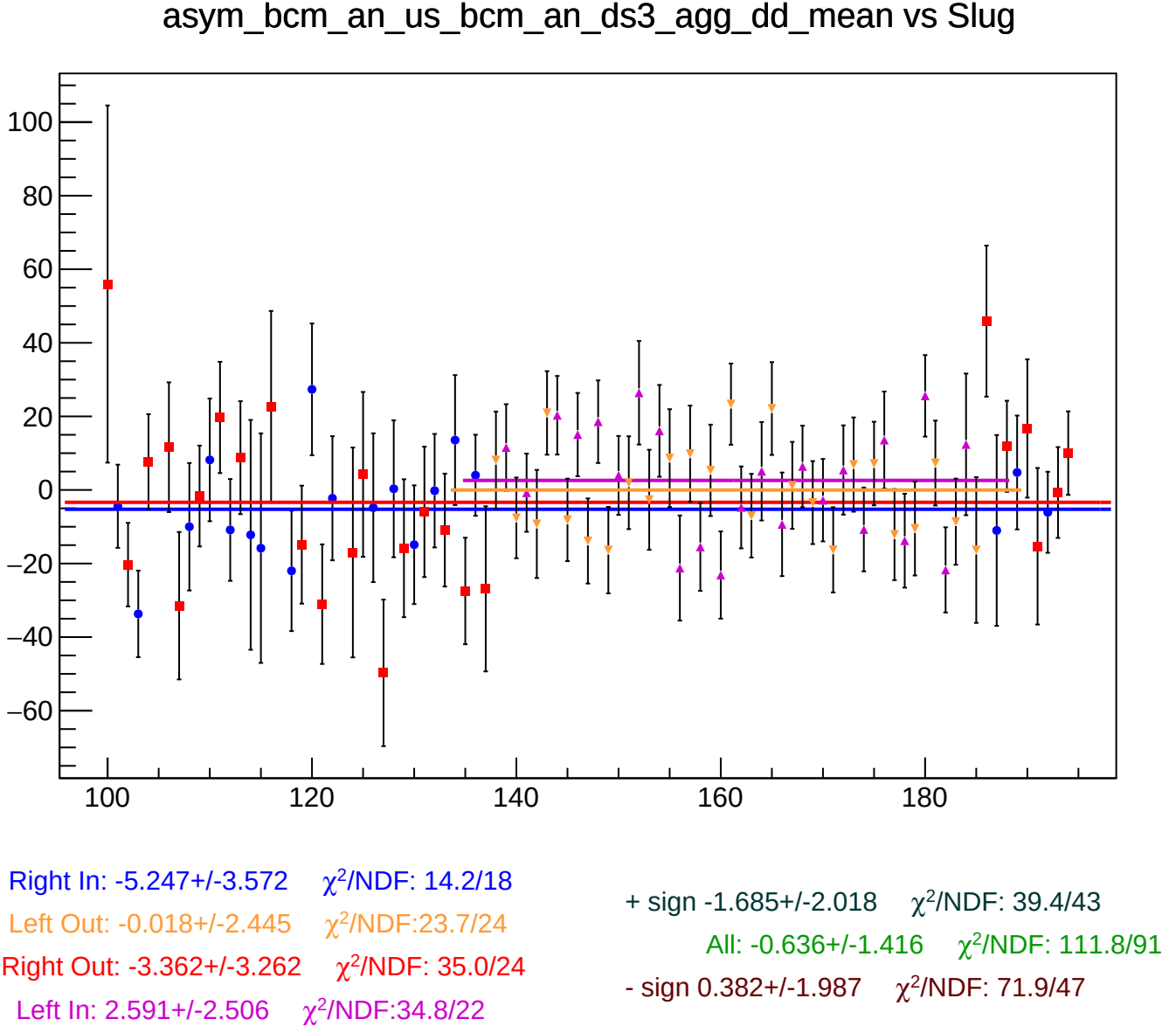
Right Out: 186.796+/-0.043 χ^2/NDF: 2592538.5/24

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

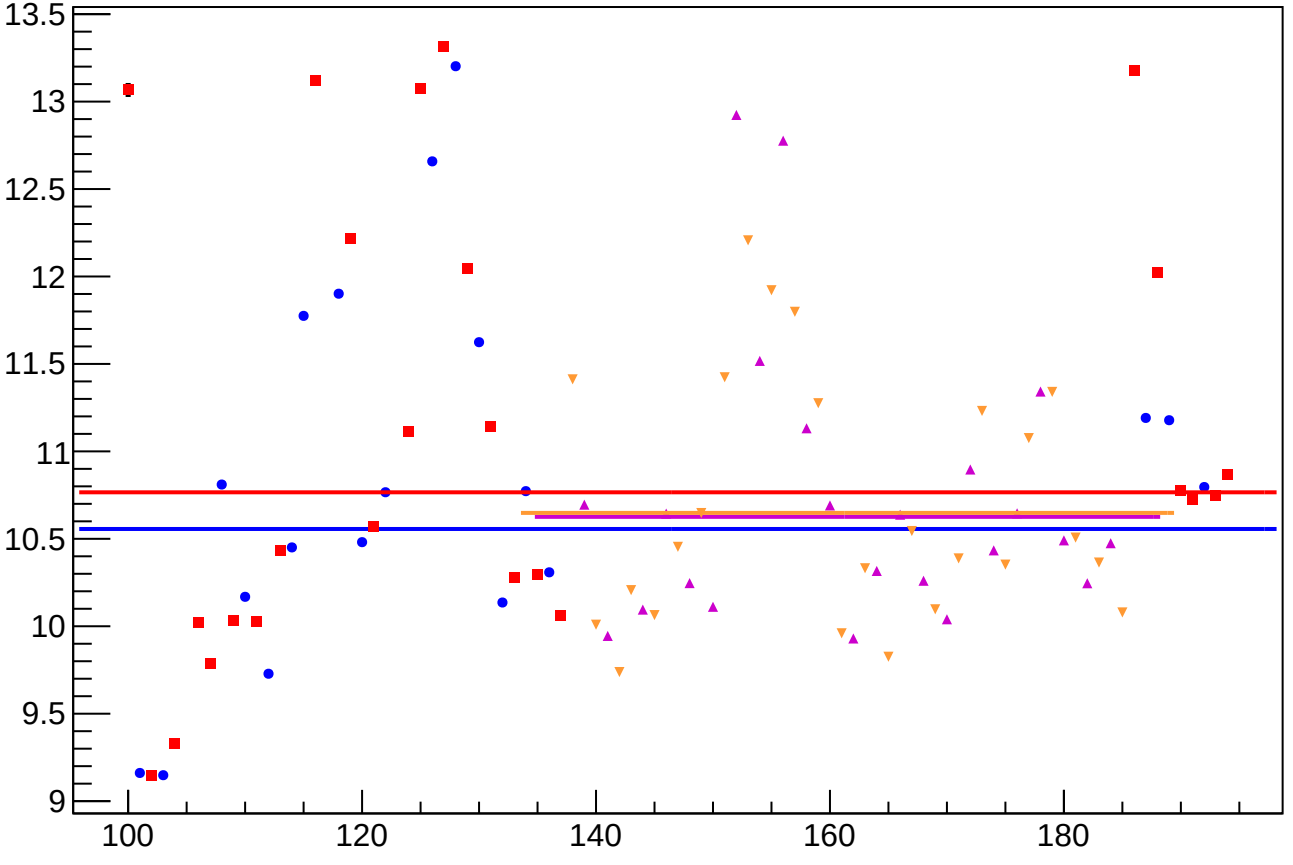
\+ sign 198.877+/-0.028 χ^2/NDF: 3313307.7/43

All: 189.298+/-0.019 χ^2/NDF: 7828186.4/91

\- sign 181.372+/-0.025 χ^2/NDF: 4295093.5/47


asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug
100
80
60
40
20
0
−20
−40
−60
100
120
140
160
180
Right In: -5.247+/-3.572 χ²/NDF: 14.2/18
Left Out: -0.018+/-2.445 χ²/NDF:23.7/24
Right Out: -3.362+/-3.262 χ²/NDF: 35.0/24
Left In: 2.591+/-2.506 χ²/NDF:34.8/22
+ sign -1.685+/-2.018 χ²/NDF: 39.4/43
All: -0.636+/-1.416 χ²/NDF: 111.8/91
- sign 0.382+/-1.987 χ²/NDF: 71.9/47

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

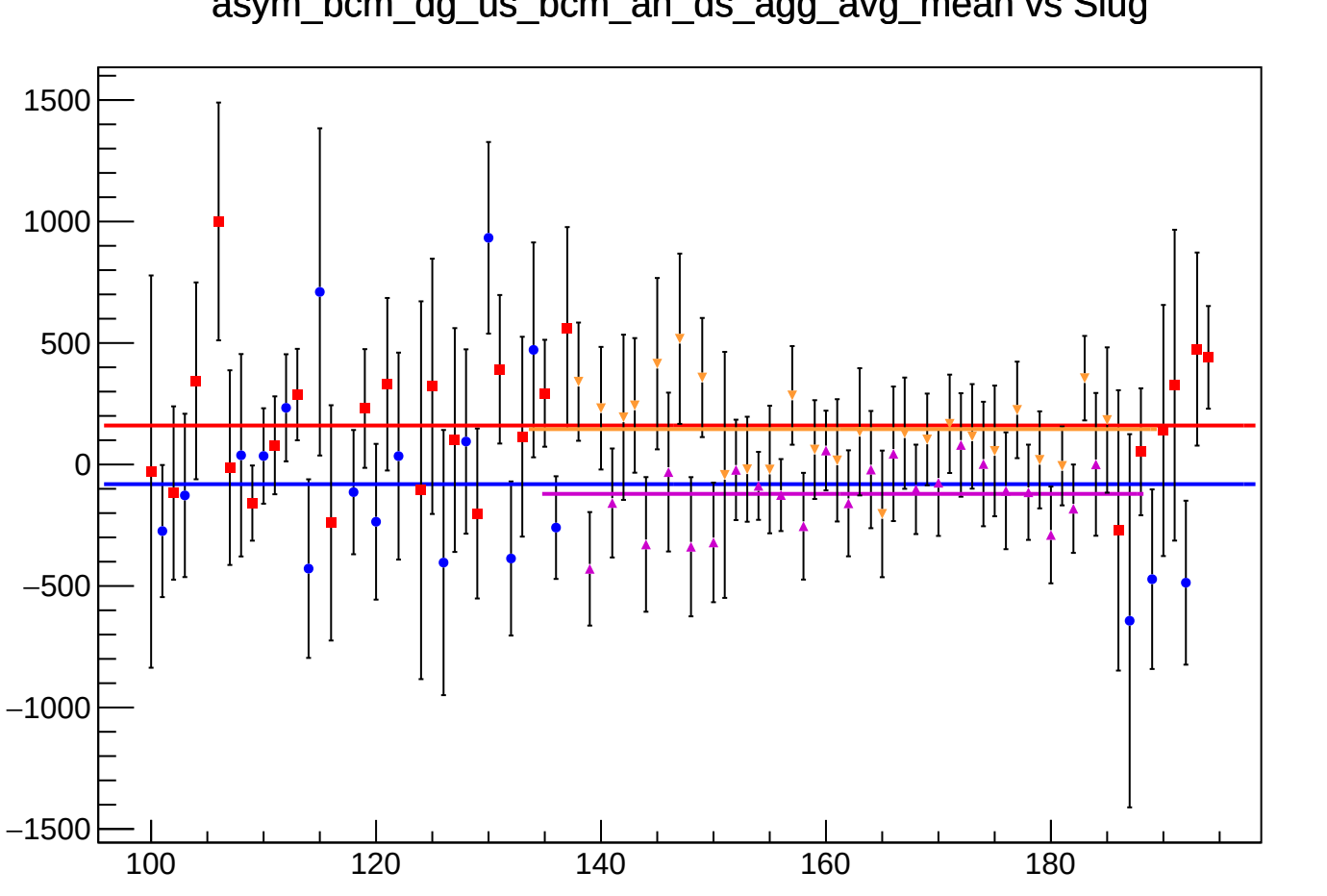
Right Out: 10.766+/-0.002 χ^2/NDF: 241663.7/24

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.619+/-0.001 χ^2/NDF: 308130.7/43

All: 10.649+/-0.001 χ^2/NDF: 712524.4/91

- sign 10.678+/-0.001 χ^2/NDF: 403531.4/47



Right In: -80.900+/-73.159 χ^2/NDF: 19.1/18

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: 160.533+/-61.623 χ^2/NDF: 16.2/24

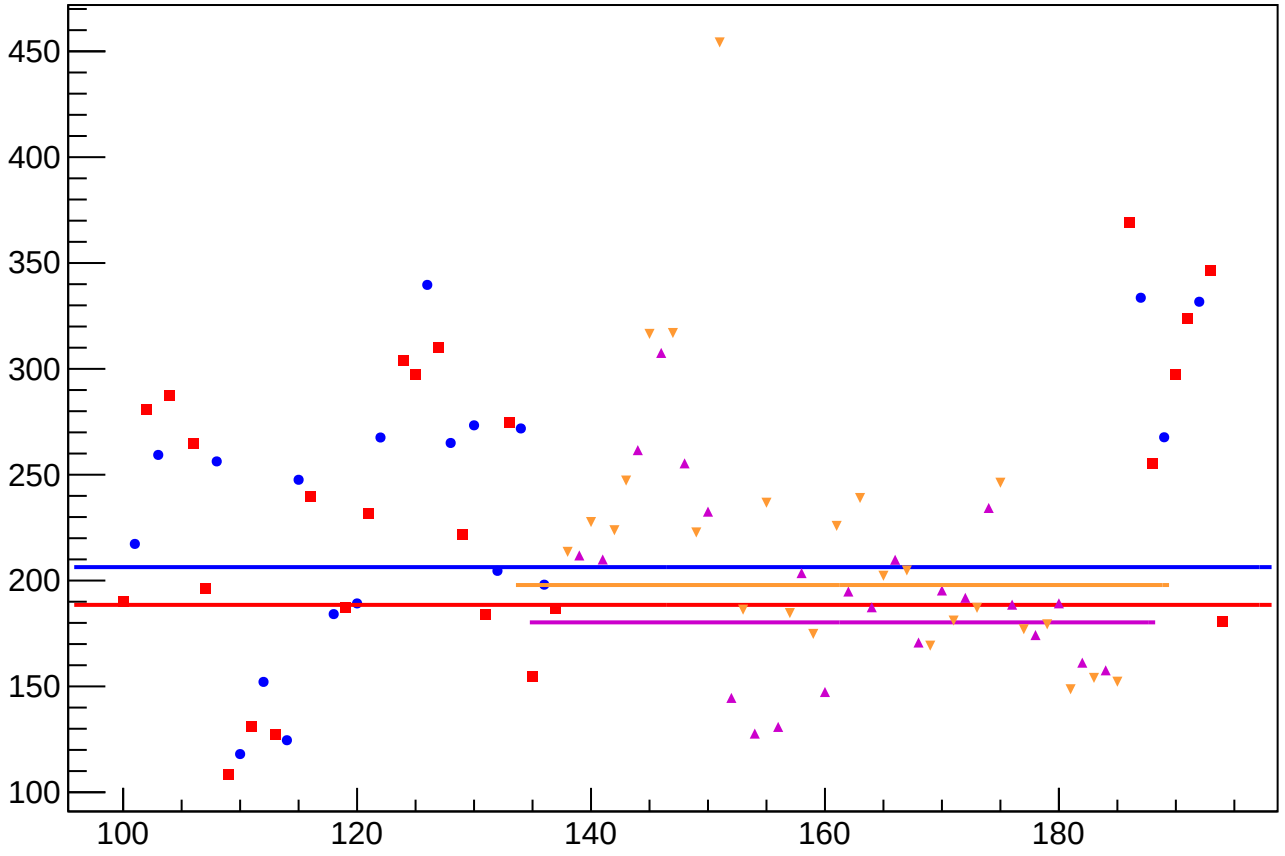
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 80.161+/-39.312 χ^2/NDF: 36.2/43

All: 22.203+/-26.471 χ^2/NDF: 78.4/91

- sign -25.877+/-35.806 χ^2/NDF: 38.3/47

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

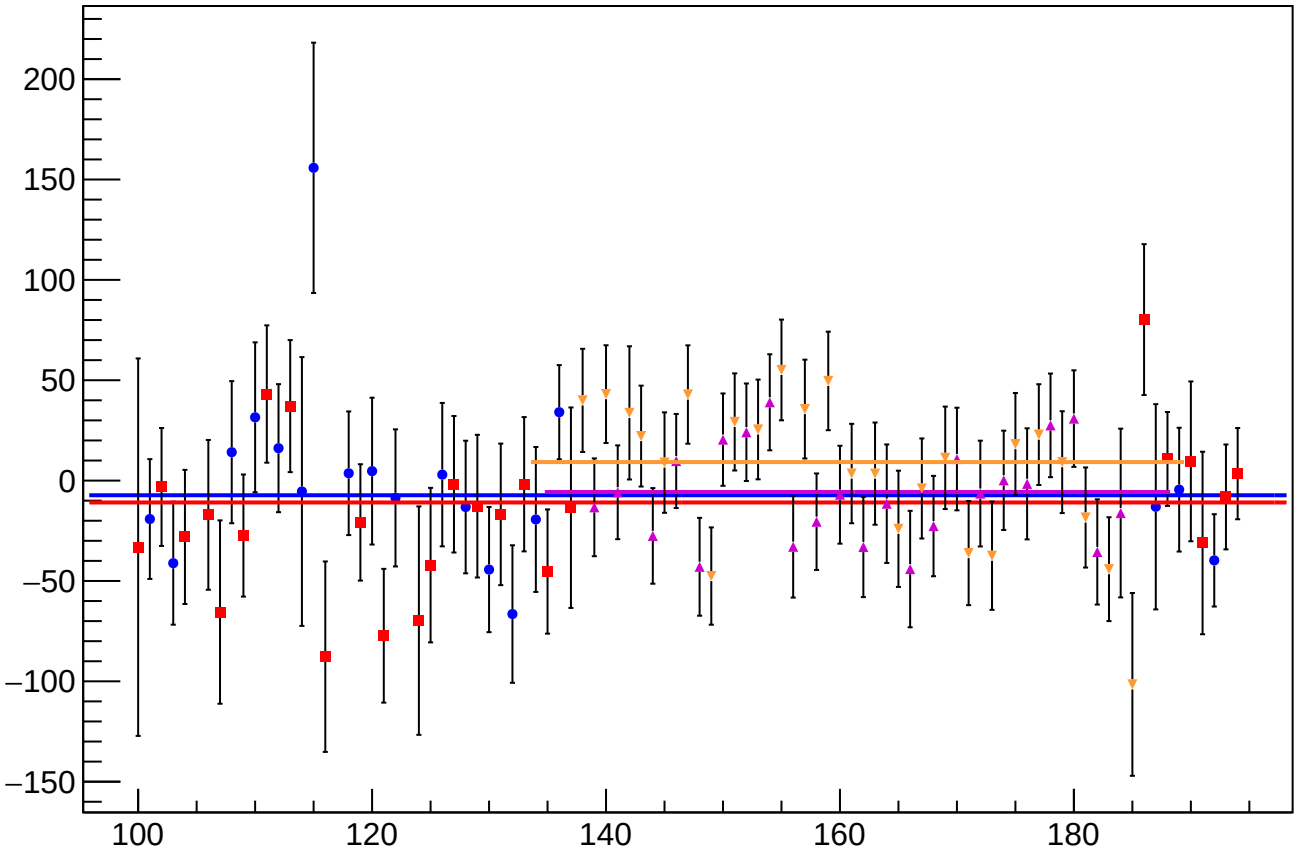
Right Out: 188.511+/-0.044 χ^2/NDF: 2513041.2/24

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 200.333+/-0.028 χ^2/NDF: 3241956.5/43

All: 190.880+/-0.019 χ^2/NDF: 7618175.8/91

- sign 183.038+/-0.025 χ^2/NDF: 4164640.4/47



Right In: -7.298+/-7.599 χ^2/NDF: 20.2/18

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -10.893+/-6.805 χ^2/NDF: 24.2/24

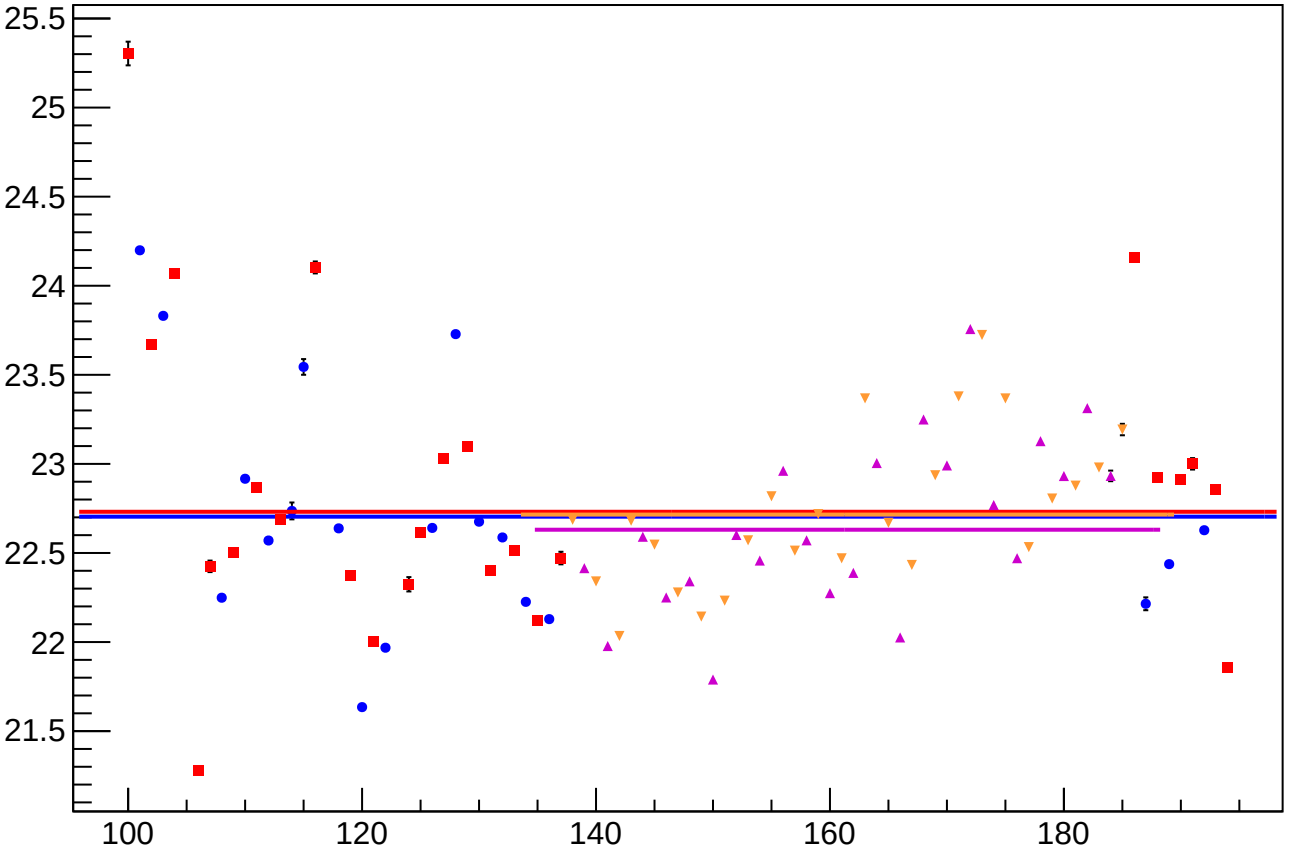
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 4.014+/-4.270 χ^2/NDF: 62.9/43

All: -1.942+/-2.985 χ^2/NDF: 112.1/91

- sign -7.634+/-4.175 χ^2/NDF: 45.4/47

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

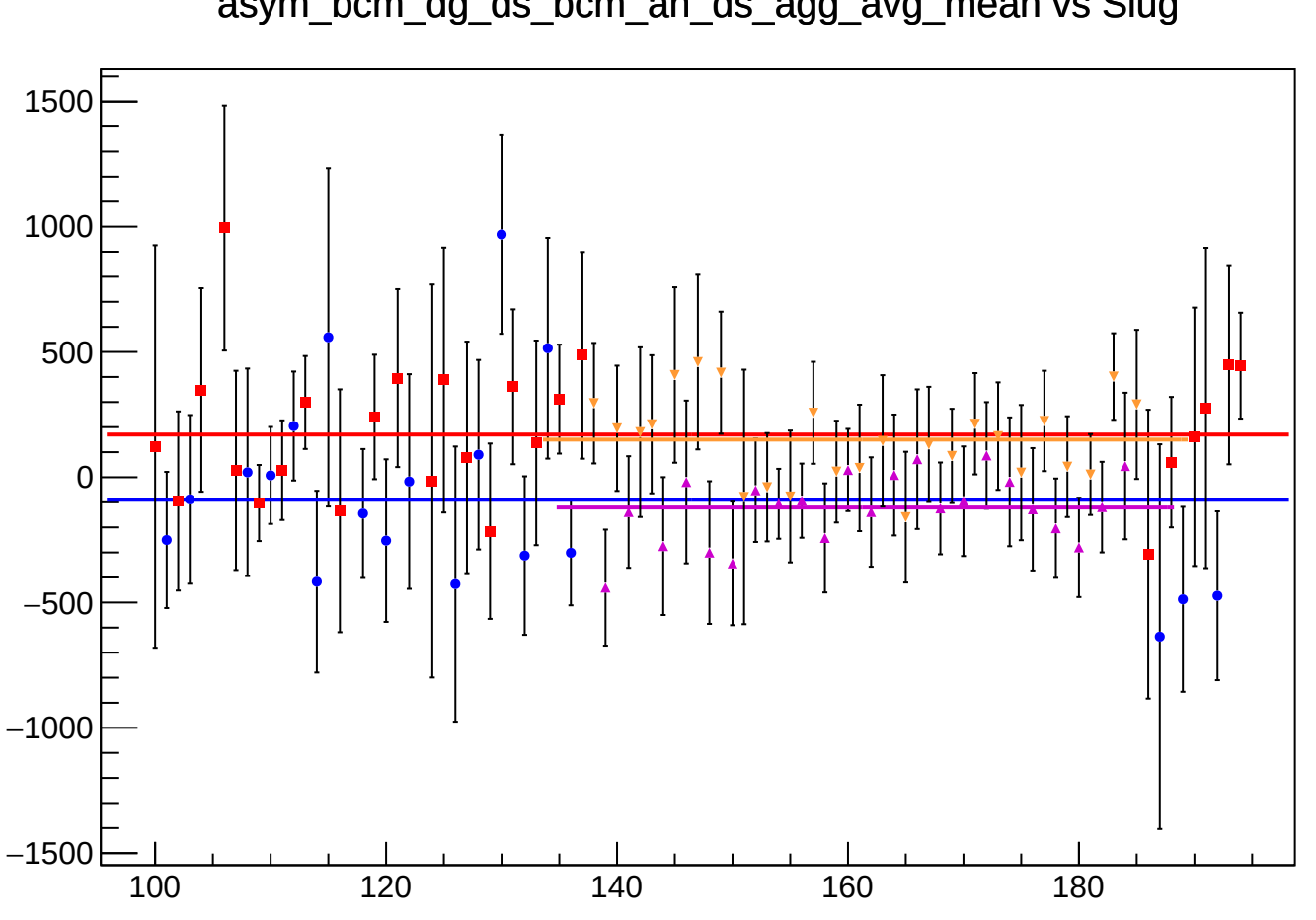
Right Out: 22.731+/-0.005 χ^2/NDF: 20626.1/24

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.712+/-0.003 χ^2/NDF: 27215.0/43

All: 22.690+/-0.002 χ^2/NDF: 63611.1/91

- sign 22.668+/-0.003 χ^2/NDF: 36290.9/47



Right In: -89.848+/-72.854 χ^2/NDF: 18.7/18

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

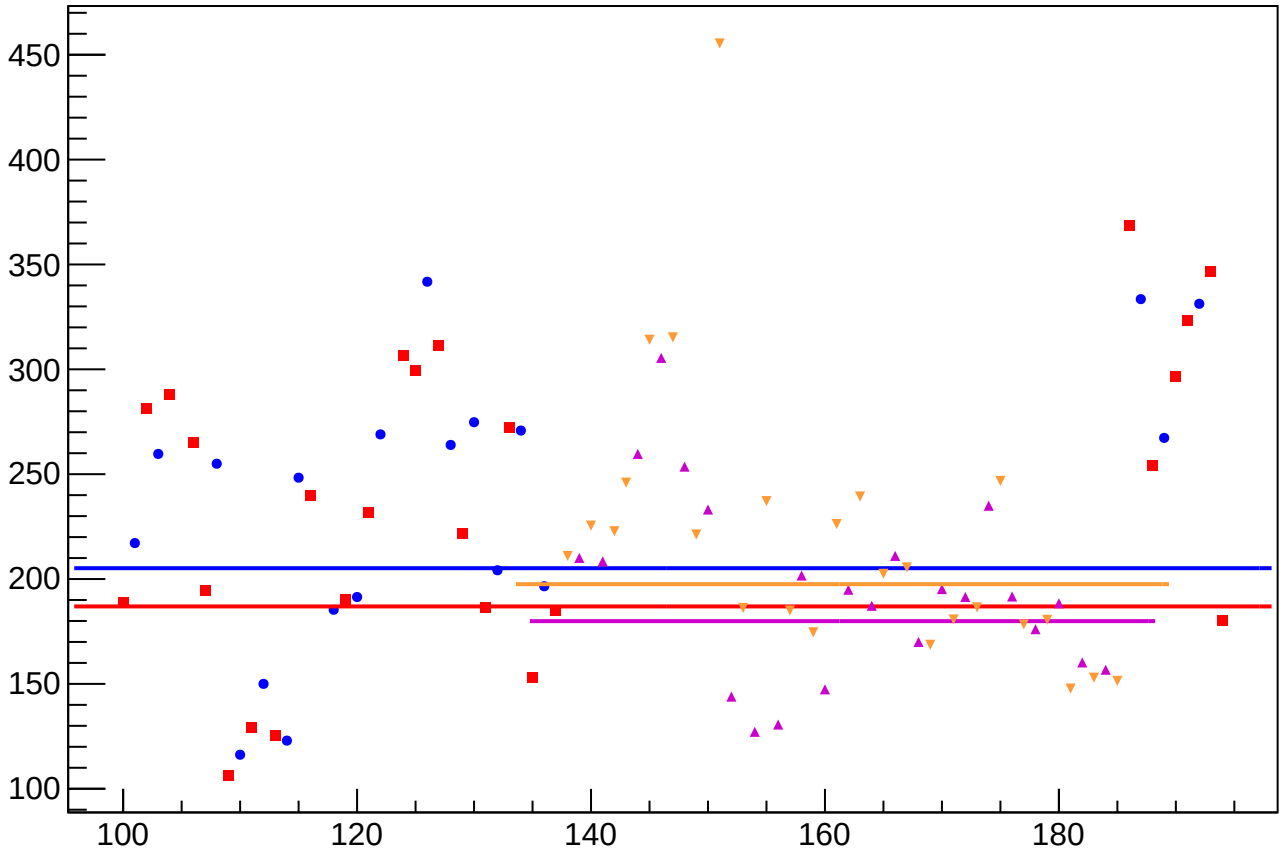
Right Out: 170.358+/-61.257 χ^2/NDF: 14.8/24

Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 80.654+/-39.217 χ^2/NDF: 37.3/43

All: 24.553+/-26.397 χ^2/NDF: 78.7/91

- sign -21.919+/-35.694 χ^2/NDF: 37.6/47



Right In: 205.172+/-0.052 χ^2/NDF: 1482286.3/18

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

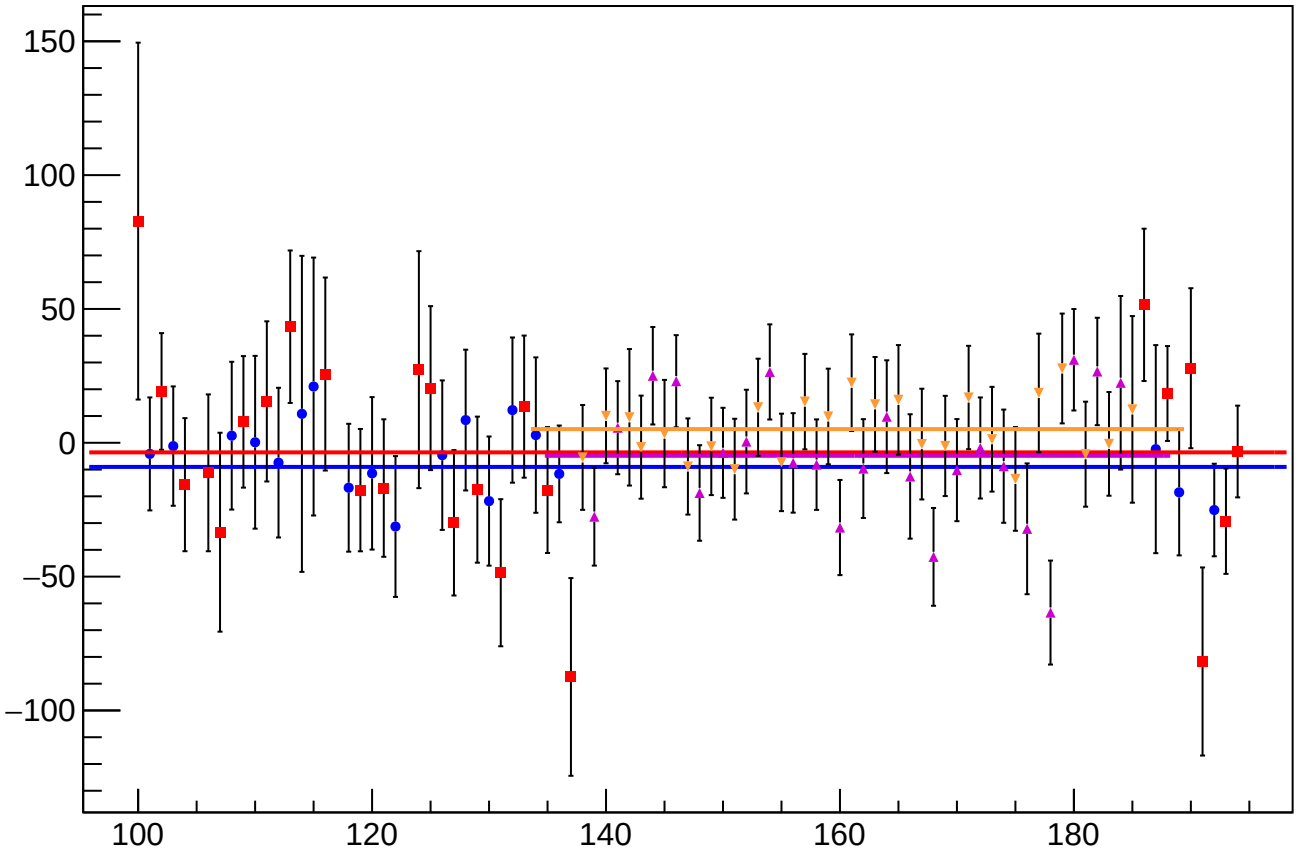
Right Out: 186.936+/-0.043 χ^2/NDF: 2602930.5/24

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 199.747+/-0.028 χ^2/NDF: 3287788.6/43

All: 190.207+/-0.019 χ^2/NDF: 7748568.5/91

- sign 182.304+/-0.025 χ^2/NDF: 4244387.2/47



Right In: -9.013+/-5.891 χ^2/NDF: 4.4/18

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

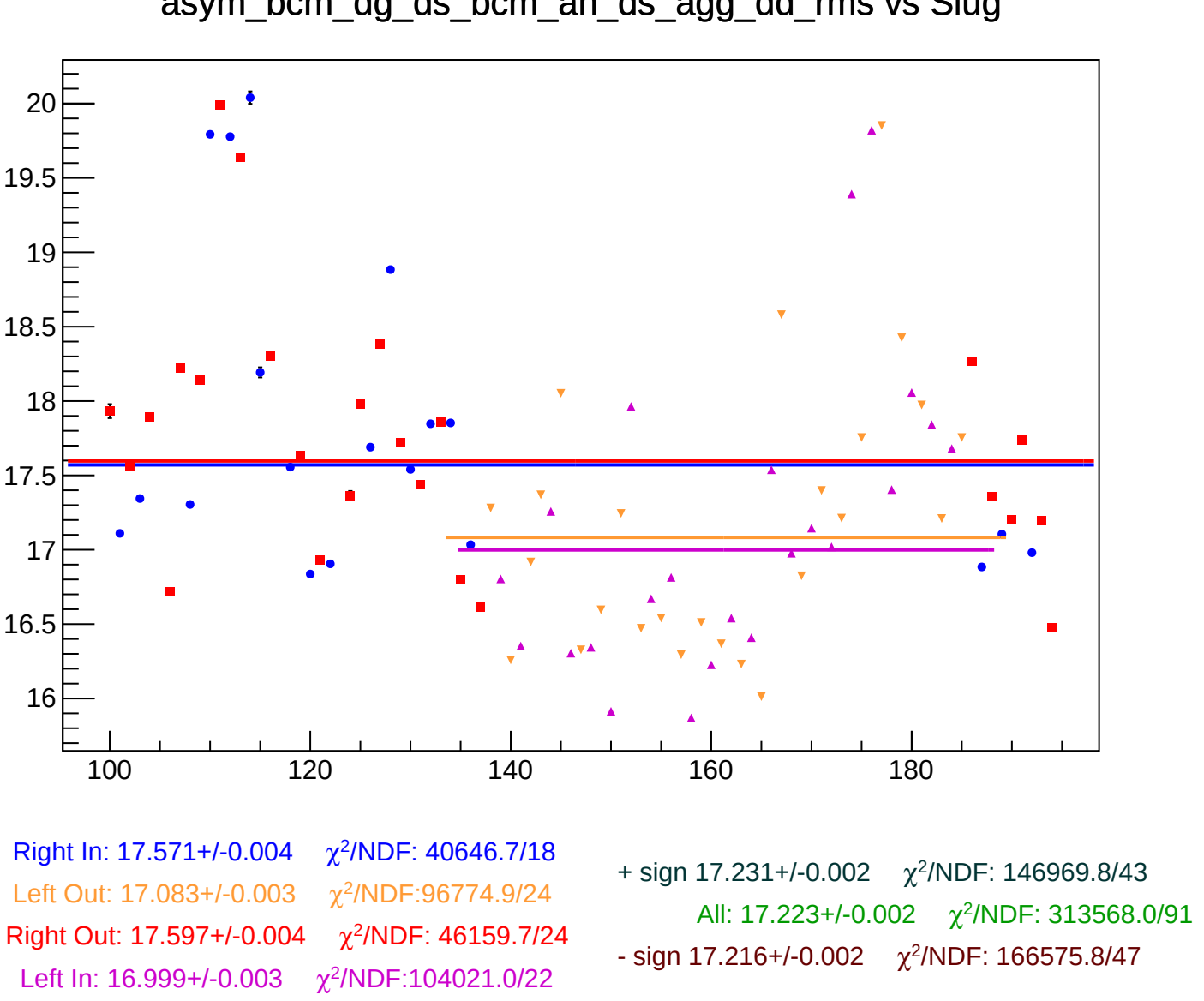
Right Out: -3.581+/-5.275 χ^2/NDF: 32.3/24

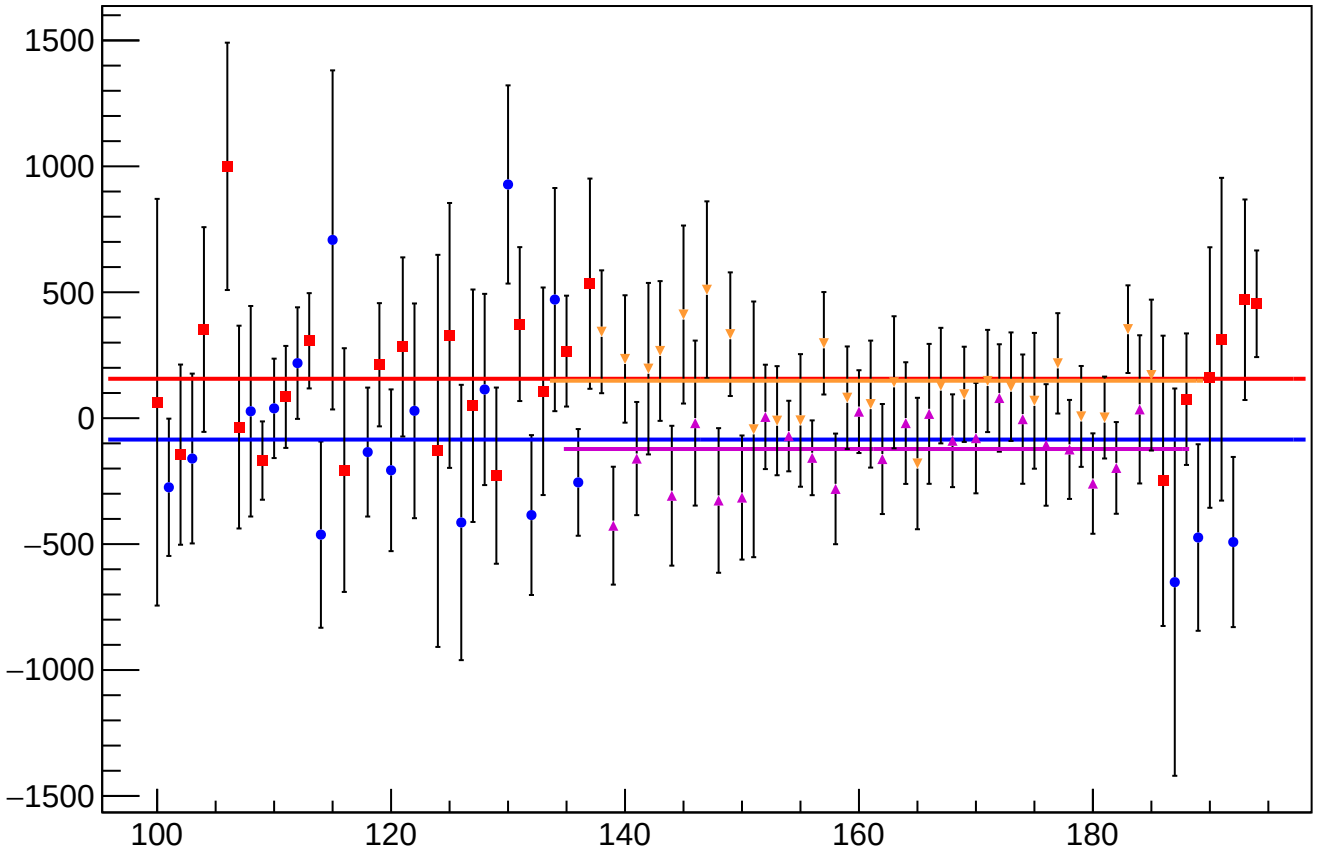
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.827+/-3.246 χ^2/NDF: 16.3/43

All: -1.840+/-2.271 χ^2/NDF: 85.5/91

- sign -4.395+/-3.177 χ^2/NDF: 67.9/47


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug
20
19.5
19
18.5
18
17.5
17
16.5
16
100
120
140
160
180
Right In: 17.571+/-0.004 χ²/NDF: 40646.7/18
Left Out: 17.083+/-0.003 χ²/NDF:96774.9/24
Right Out: 17.597+/-0.004 χ²/NDF: 46159.7/24
Left In: 16.999+/-0.003 χ²/NDF:104021.0/22
+ sign 17.231+/-0.002 χ²/NDF: 146969.8/43
All: 17.223+/-0.002 χ²/NDF: 313568.0/91
- sign 17.216+/-0.002 χ²/NDF: 166575.8/47



Right In: -84.894+/-73.364 χ^2/NDF: 19.0/18

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 156.483+/-61.798 χ^2/NDF: 16.3/24

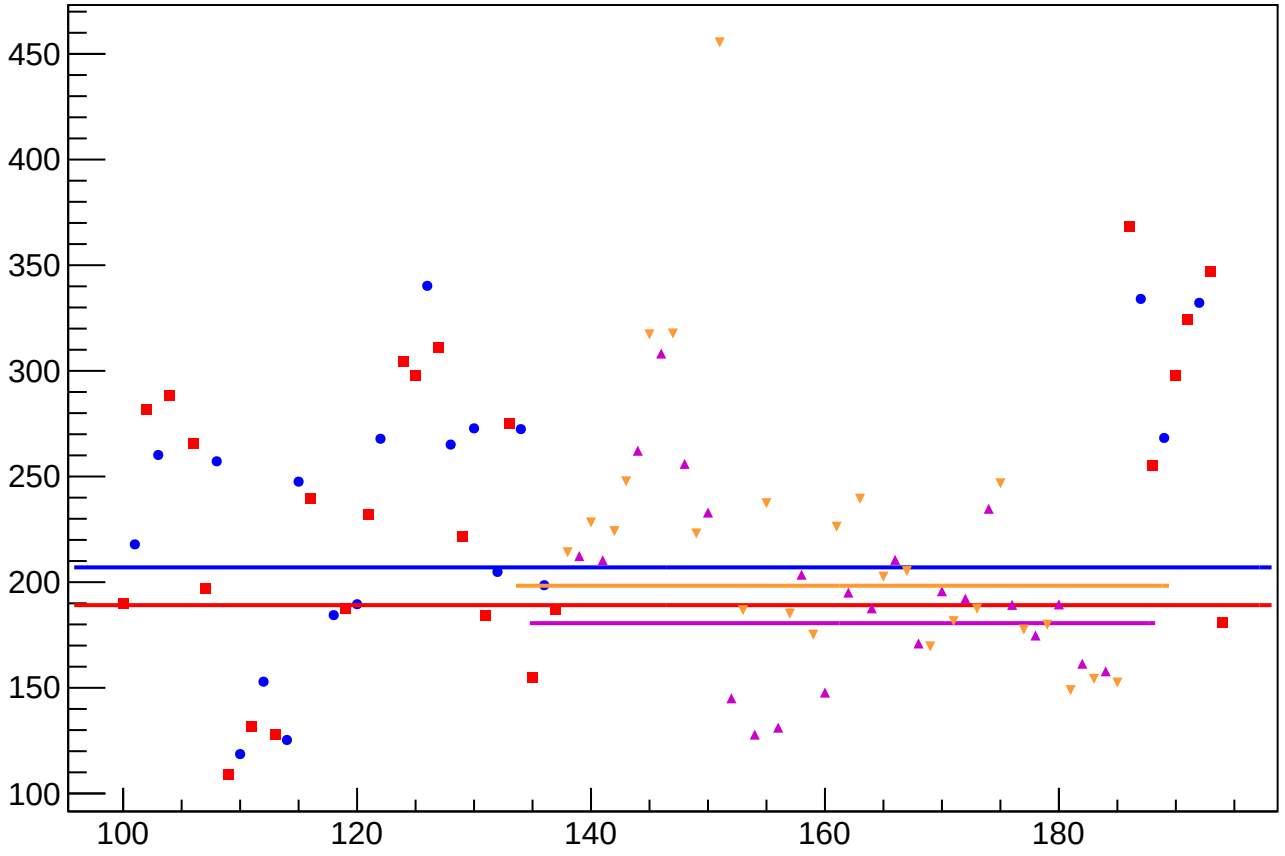
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 81.354+/-39.404 χ^2/NDF: 35.8/43

All: 21.395+/-26.532 χ^2/NDF: 77.7/91

- sign -28.338+/-35.887 χ^2/NDF: 37.7/47

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

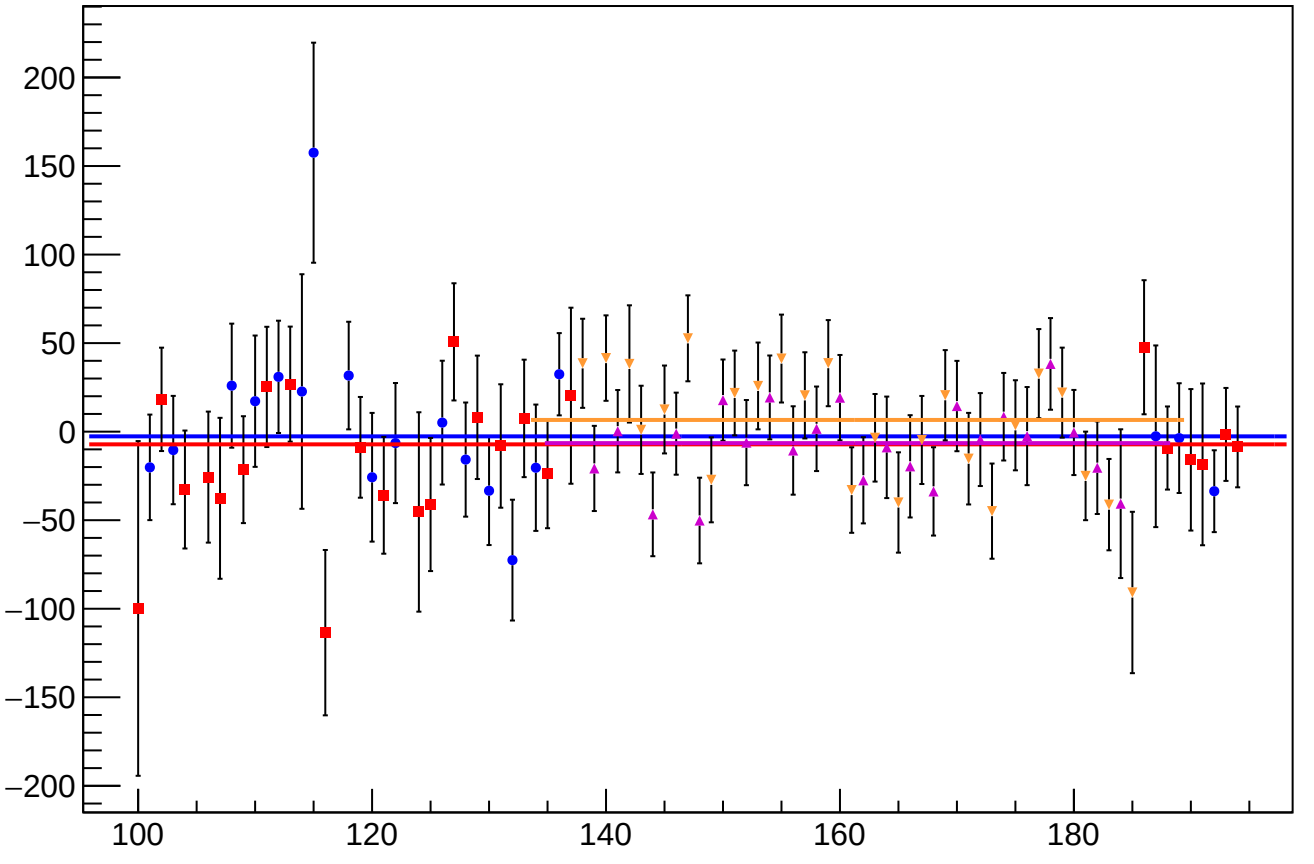
Right Out: 189.130+/-0.044 χ^2/NDF: 2495114.3/24

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

\+ sign 200.820+/-0.028 χ^2/NDF: 3231743.8/43

All: 191.341+/-0.019 χ^2/NDF: 7591954.1/91

\- sign 183.477+/-0.025 χ^2/NDF: 4148432.2/47



Right In: -2.658+/-7.545 χ^2/NDF: 20.7/18

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

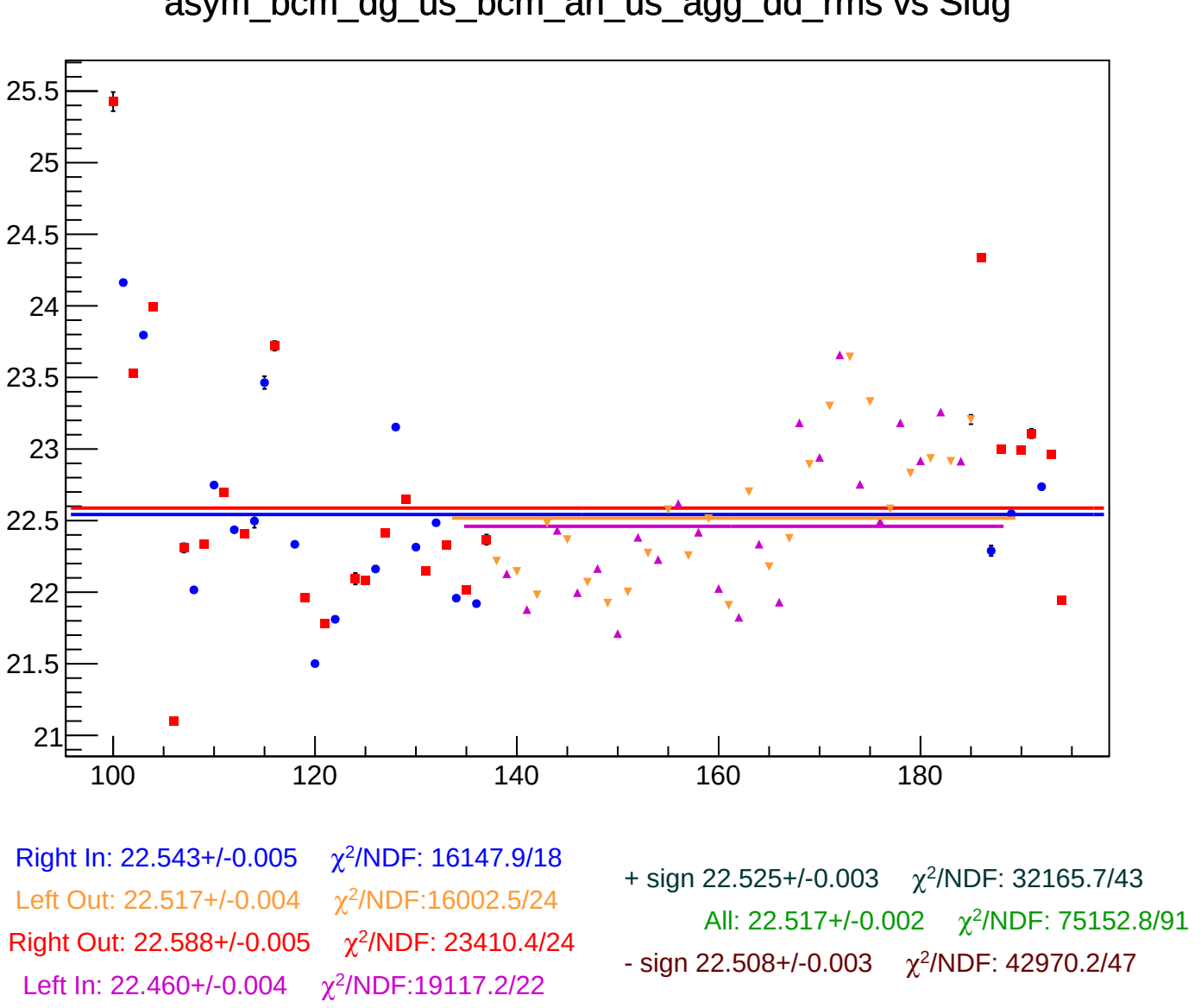
Right Out: -7.169+/-6.761 χ^2/NDF: 18.8/24

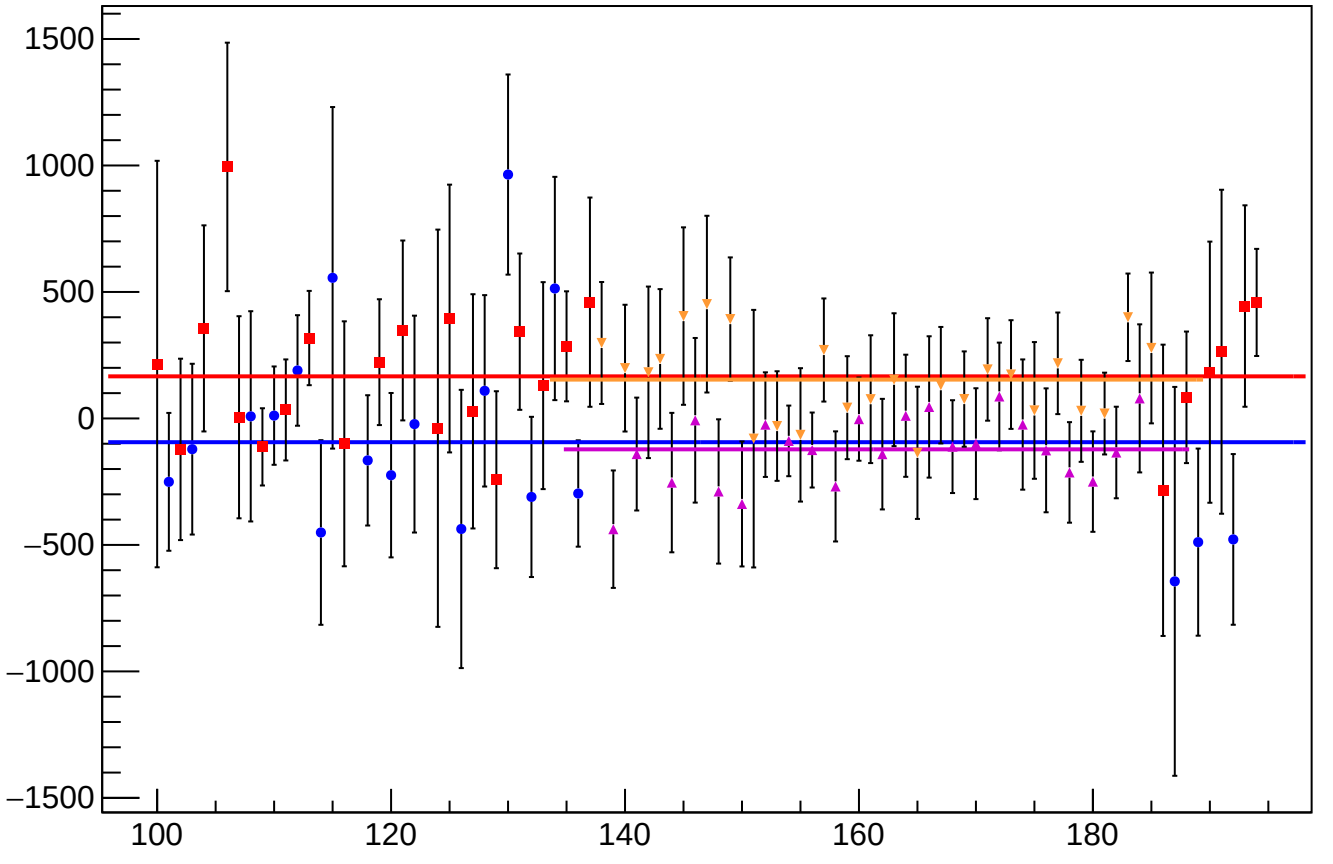
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 3.691+/-4.235 χ^2/NDF: 58.6/43

All: -1.637+/-2.962 χ^2/NDF: 98.0/91

- sign -6.740+/-4.145 χ^2/NDF: 36.2/47


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug
25.5
25
24.5
24
23.5
23
22.5
22
21.5
21
100
120
140
160
180
Right In: 22.543+/-0.005 χ²/NDF: 16147.9/18
Left Out: 22.517+/-0.004 χ²/NDF:16002.5/24
Right Out: 22.588+/-0.005 χ²/NDF: 23410.4/24
Left In: 22.460+/-0.004 χ²/NDF:19117.2/22
+ sign 22.525+/-0.003 χ²/NDF: 32165.7/43
All: 22.517+/-0.002 χ²/NDF: 75152.8/91
- sign 22.508+/-0.003 χ²/NDF: 42970.2/47



Right In: -93.926+/-73.061 χ^2/NDF: 18.6/18

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: 166.371+/-61.435 χ^2/NDF: 14.9/24

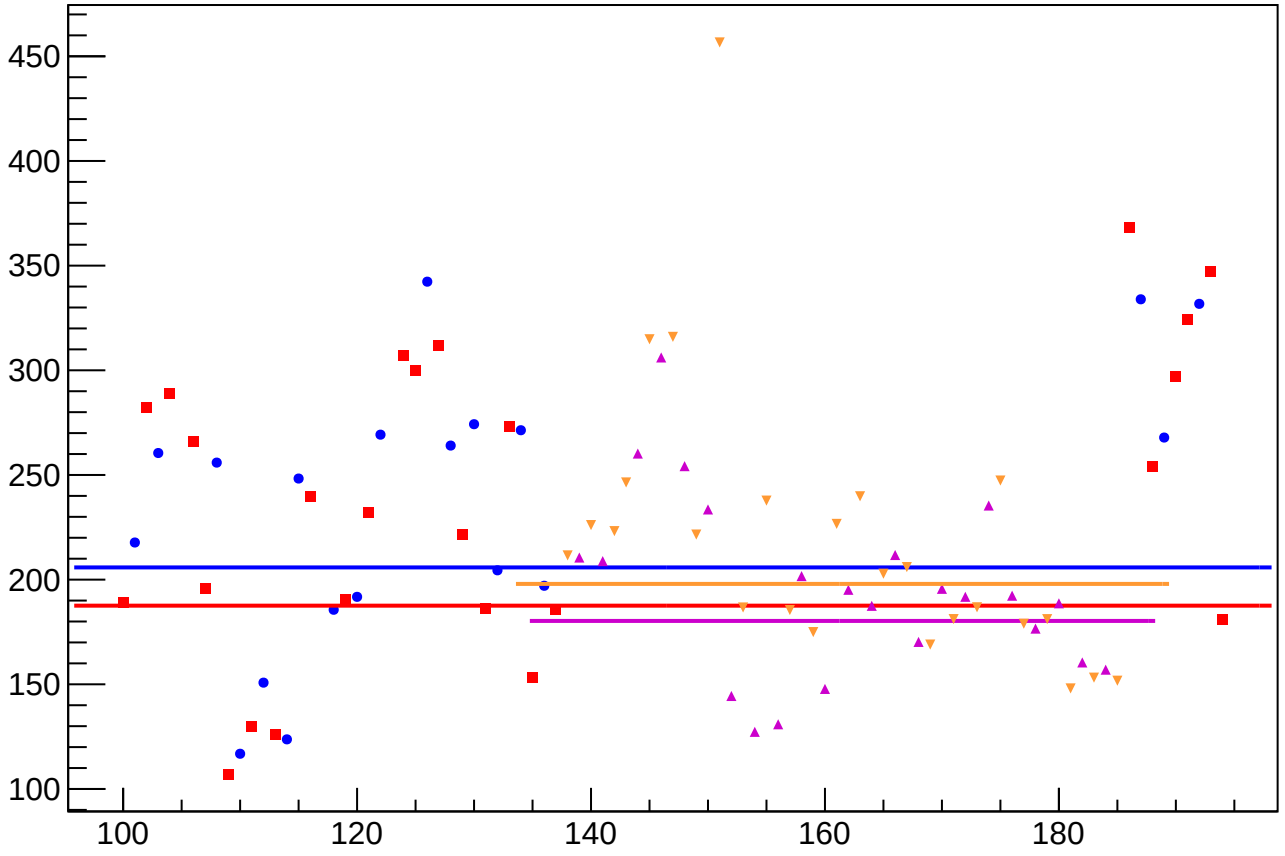
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 81.878+/-39.310 χ^2/NDF: 36.8/43

All: 23.789+/-26.458 χ^2/NDF: 77.7/91

- sign -24.321+/-35.775 χ^2/NDF: 36.9/47

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

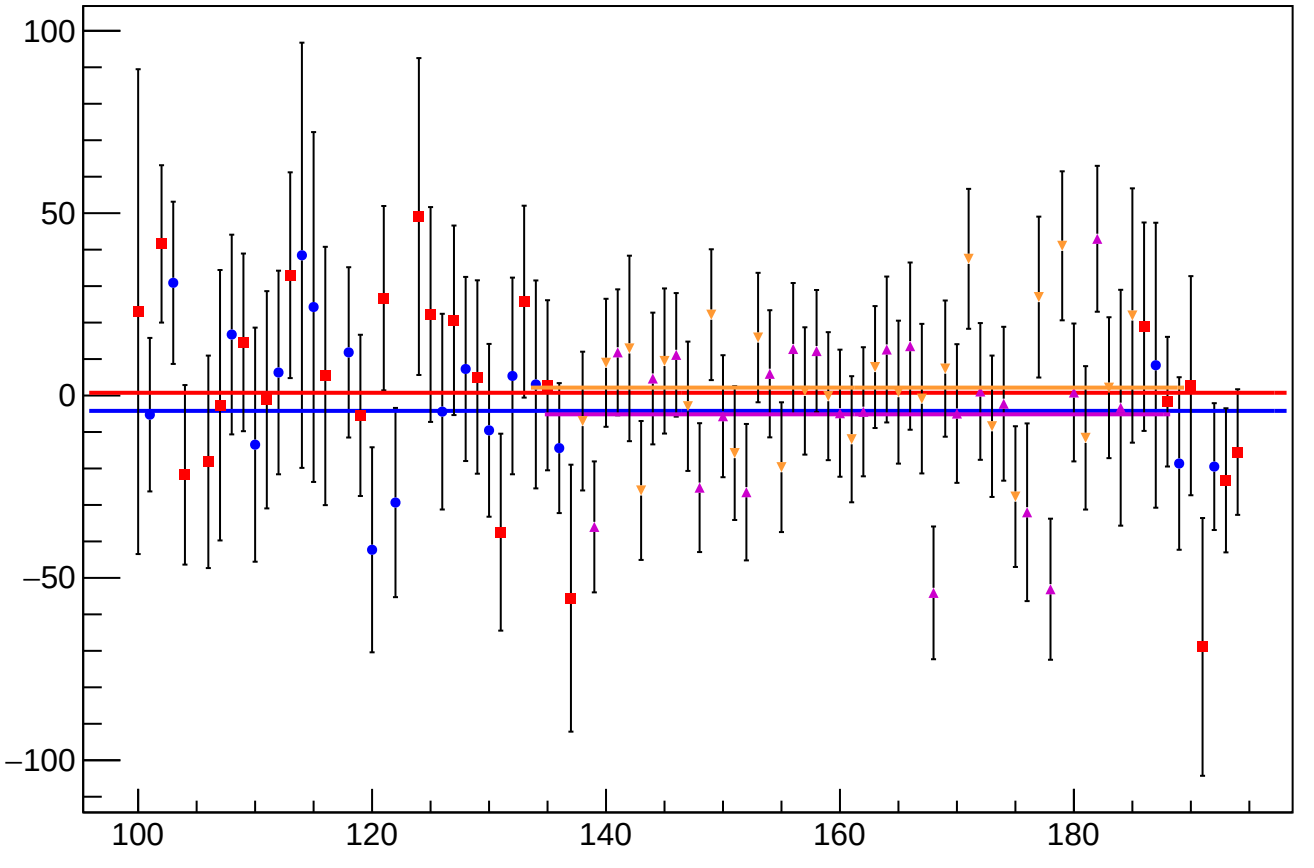
Right Out: 187.567+/-0.043 χ^2/NDF: 2583944.5/24

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 200.238+/-0.028 χ^2/NDF: 3276864.6/43

All: 190.671+/-0.019 χ^2/NDF: 7720700.1/91

- sign 182.747+/-0.025 χ^2/NDF: 4227255.2/47



Right In: -4.207+/-5.829 χ^2/NDF: 9.5/18

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

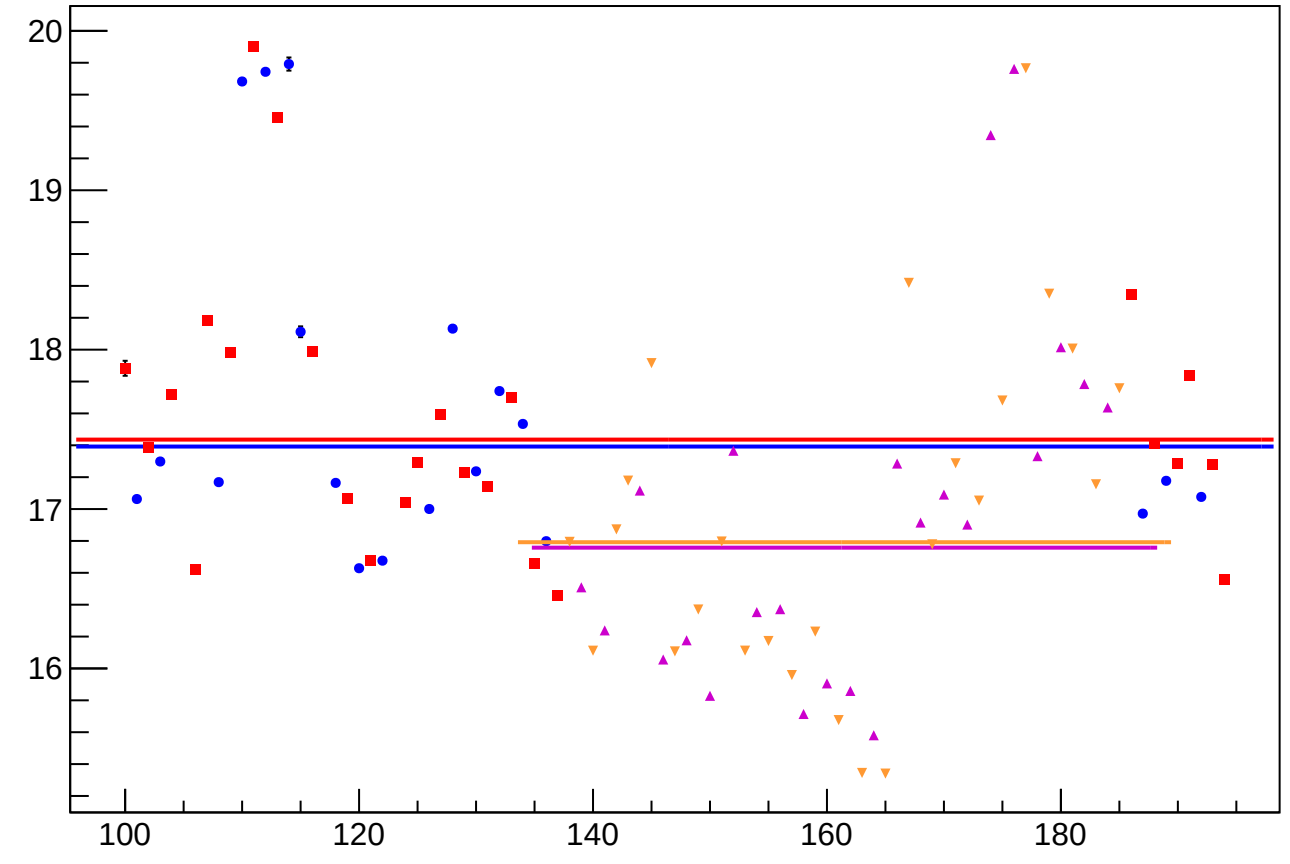
Right Out: 0.755+/-5.225 χ^2/NDF: 22.1/24

Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.253+/-3.198 χ^2/NDF: 30.3/43

All: -1.415+/-2.240 χ^2/NDF: 86.0/91

- sign -3.021+/-3.138 χ^2/NDF: 55.2/47



Right In: 17.392+/-0.004 χ^2/NDF: 37953.1/18

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

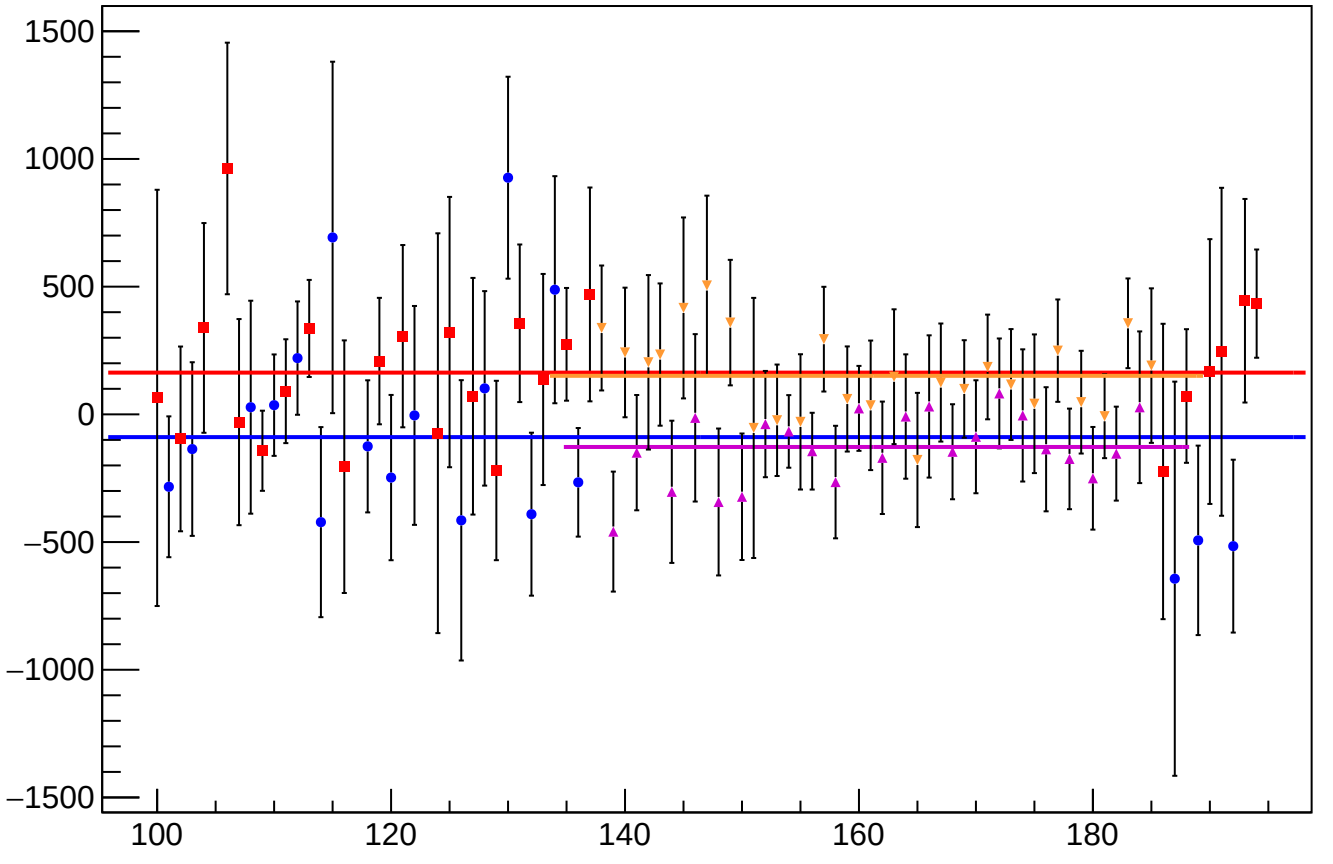
Right Out: 17.436+/-0.004 χ^2/NDF: 42775.7/24

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.973+/-0.002 χ^2/NDF: 189774.7/43

All: 16.988+/-0.002 χ^2/NDF: 377473.0/91

\- sign 17.002+/-0.002 χ^2/NDF: 187610.6/47



Right In: -89.107+/-73.759 χ^2/NDF: 19.1/18

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: 163.414+/-62.136 χ^2/NDF: 14.4/24

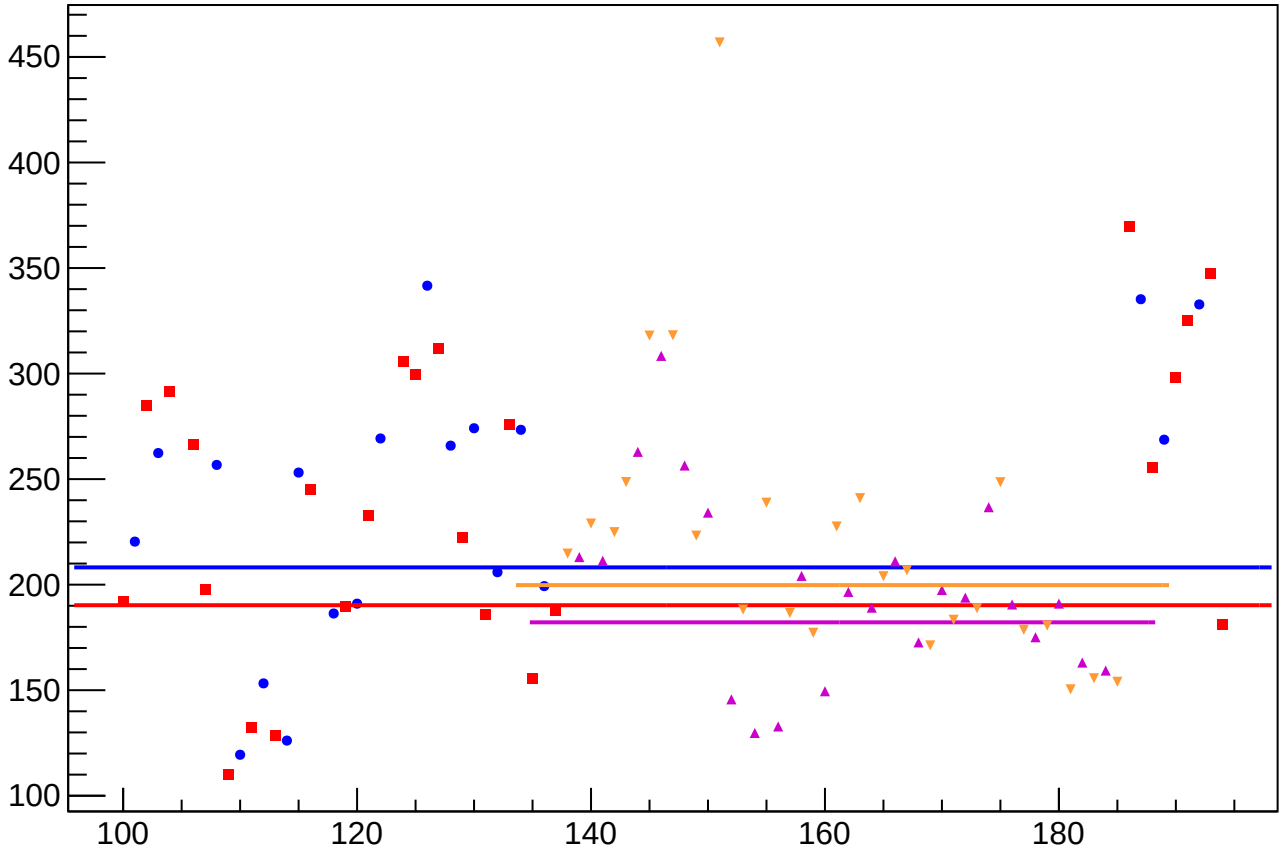
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 81.505+/-39.658 χ^2/NDF: 36.6/43

All: 21.008+/-26.712 χ^2/NDF: 77.6/91

- sign -29.231+/-36.139 χ^2/NDF: 36.8/47

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

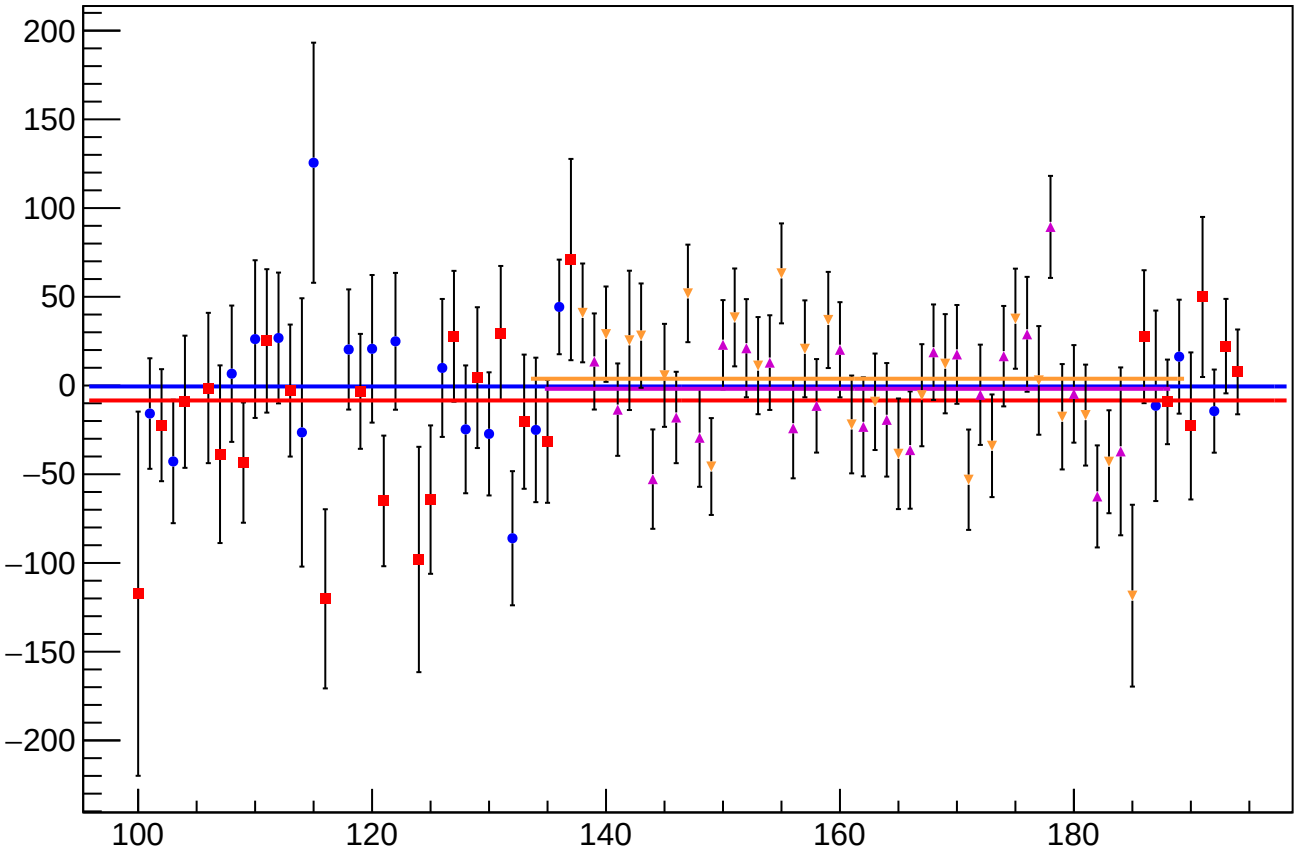
Right Out: 190.258+/-0.044 χ^2/NDF: 2486280.2/24

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 202.213+/-0.028 χ^2/NDF: 3194005.4/43

All: 192.751+/-0.019 χ^2/NDF: 7495600.1/91

- sign 184.893+/-0.026 χ^2/NDF: 4093170.5/47



Right In: -0.522+/-8.332 χ^2/NDF: 17.4/18

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

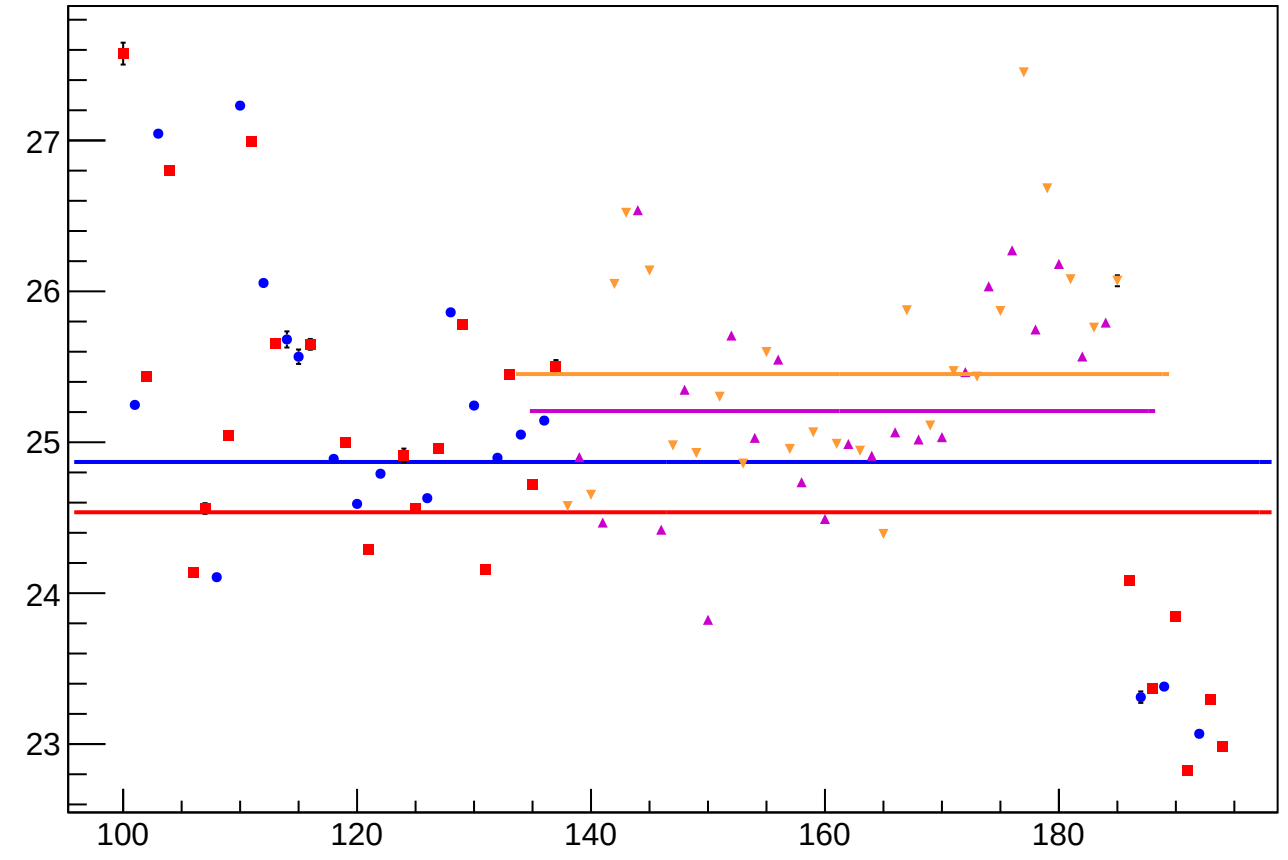
Right Out: -8.419+/-7.352 χ^2/NDF: 23.6/24

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 2.414+/-4.754 χ^2/NDF: 55.2/43

All: -1.117+/-3.305 χ^2/NDF: 108.5/91

- sign -4.420+/-4.598 χ^2/NDF: 52.2/47



Right In: 24.869+/-0.006 χ^2/NDF: 37055.3/18

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

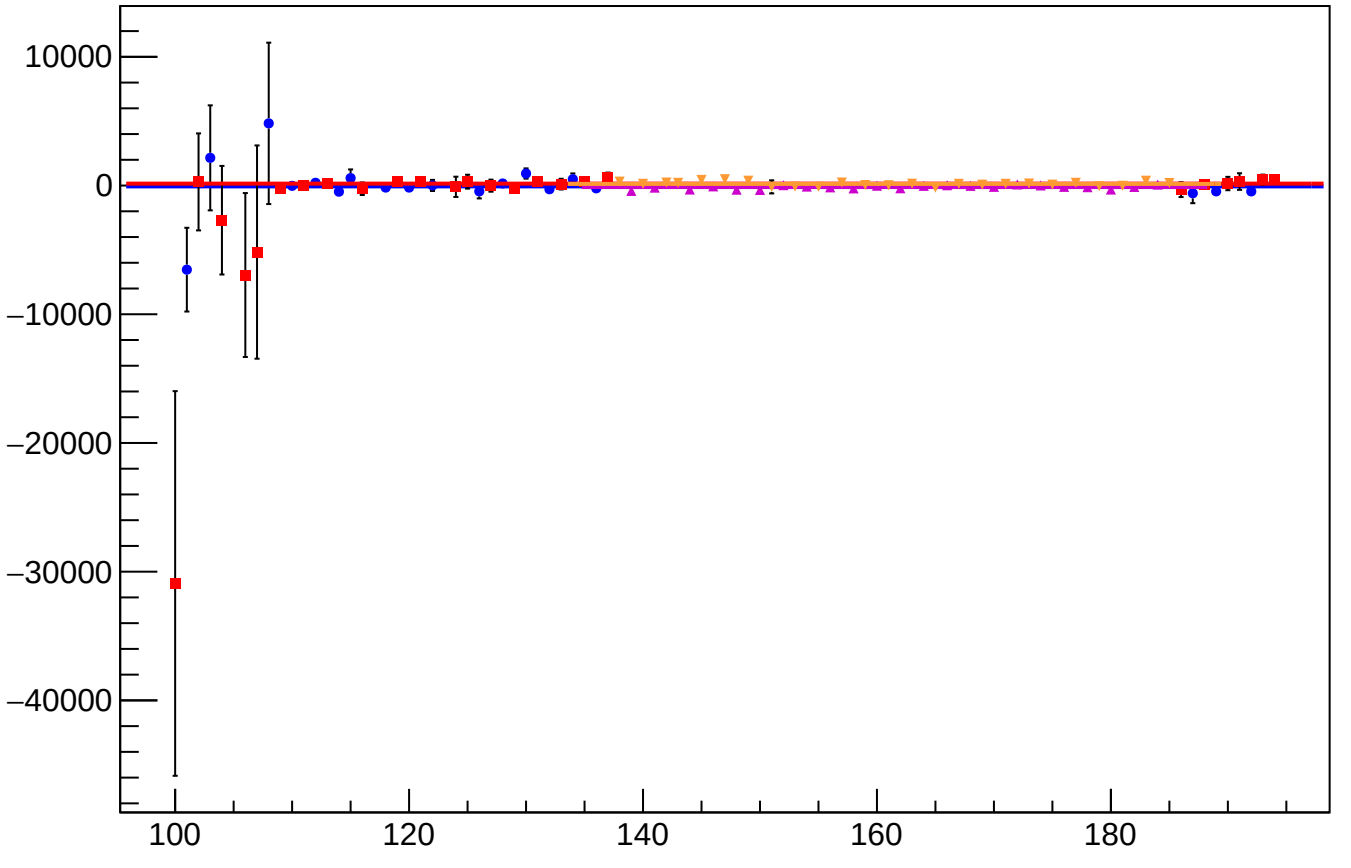
Right Out: 24.536+/-0.005 χ^2/NDF: 47643.8/24

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

\+ sign 25.262+/-0.003 χ^2/NDF: 73259.6/43

All: 25.098+/-0.002 χ^2/NDF: 161481.5/91

\- sign 24.944+/-0.003 χ^2/NDF: 83605.6/47



Right In: -65.753+/-79.844 χ^2/NDF: 21.5/18

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: 148.989+/-68.247 χ^2/NDF: 17.6/24

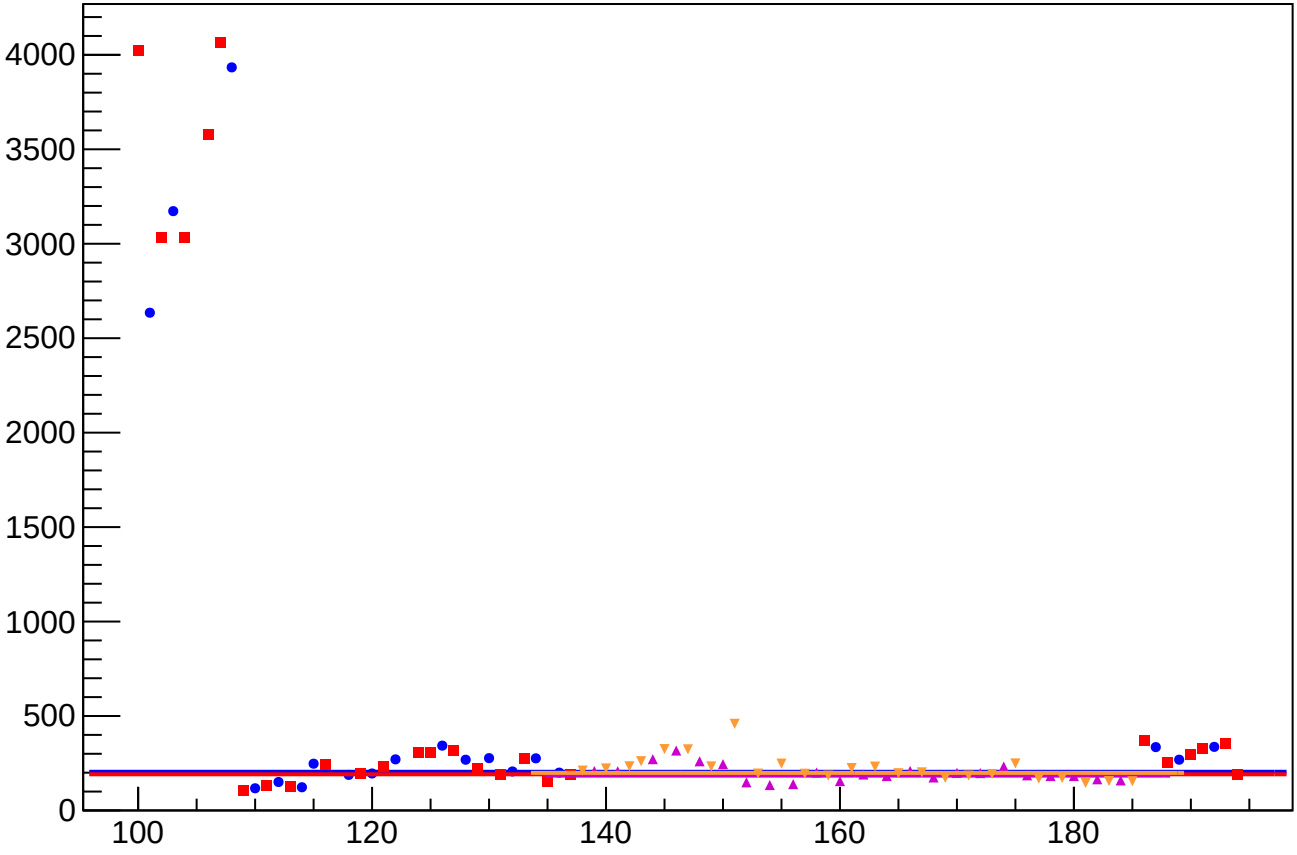
Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign 76.148+/-40.456 χ^2/NDF: 36.9/43

All: 15.321+/-27.500 χ^2/NDF: 77.3/91

- sign -36.924+/-37.493 χ^2/NDF: 36.2/47

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

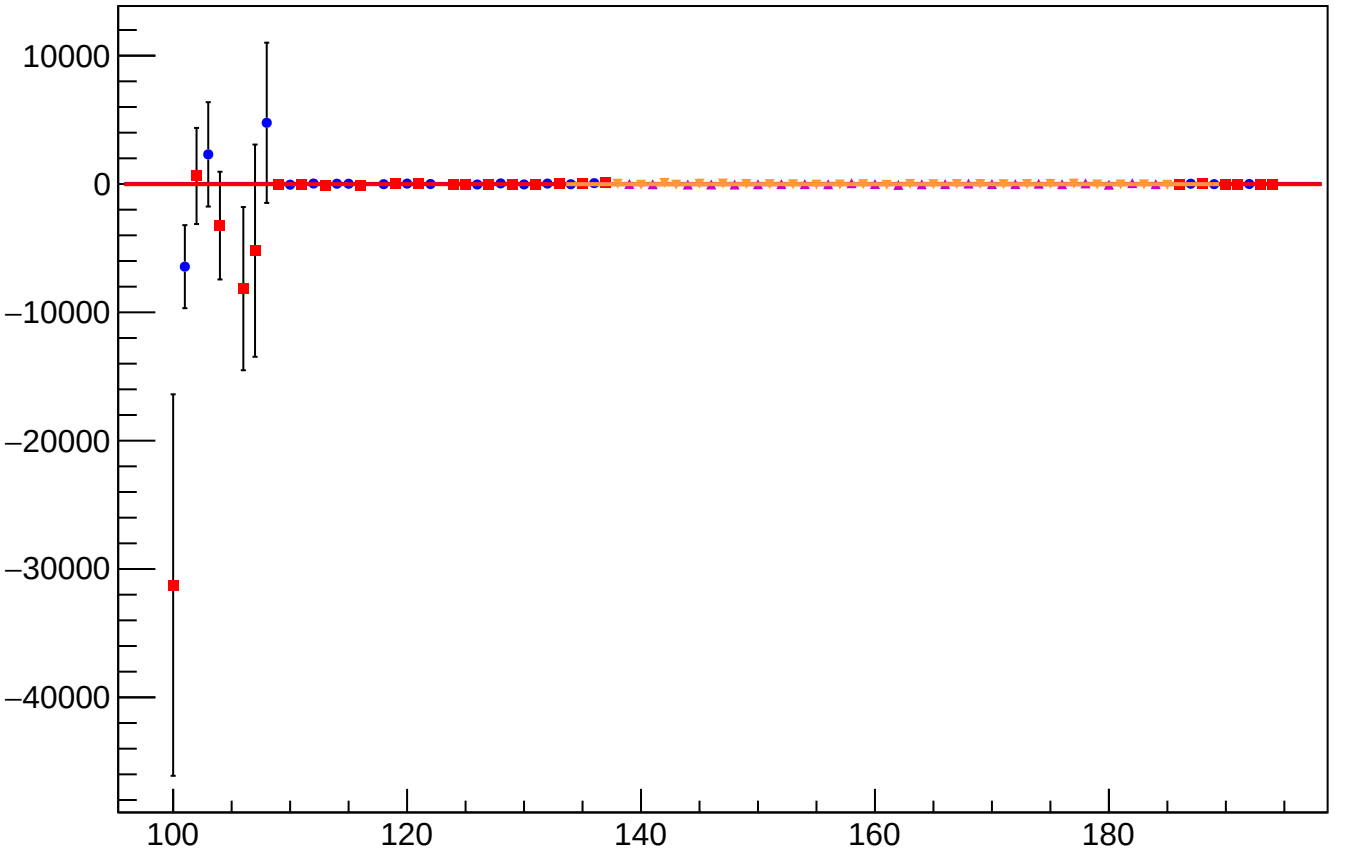
Right Out: 191.400+/-0.048 χ^2/NDF: 5221937.2/24

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 200.464+/-0.029 χ^2/NDF: 6192580.0/43

All: 192.959+/-0.019 χ^2/NDF: 13003488.8/91

- sign 186.512+/-0.027 χ^2/NDF: 6682938.3/47



Right In: 6.642+/-10.173 χ^2/NDF: 16.5/18

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -13.719+/-9.149 χ^2/NDF: 26.8/24

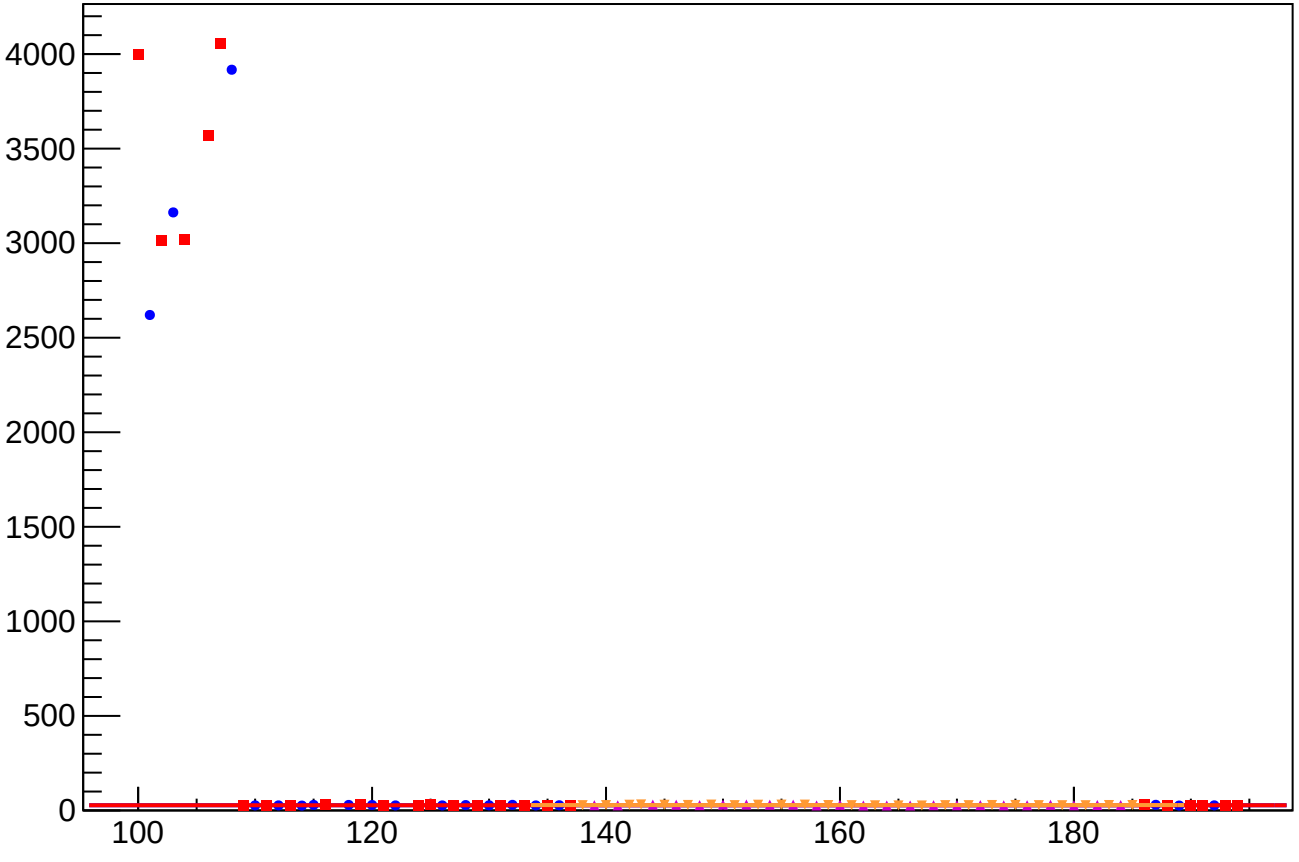
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -8.588+/-5.484 χ^2/NDF: 41.9/43

All: -7.380+/-3.850 χ^2/NDF: 98.1/91

- sign -6.206+/-5.407 χ^2/NDF: 56.1/47

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

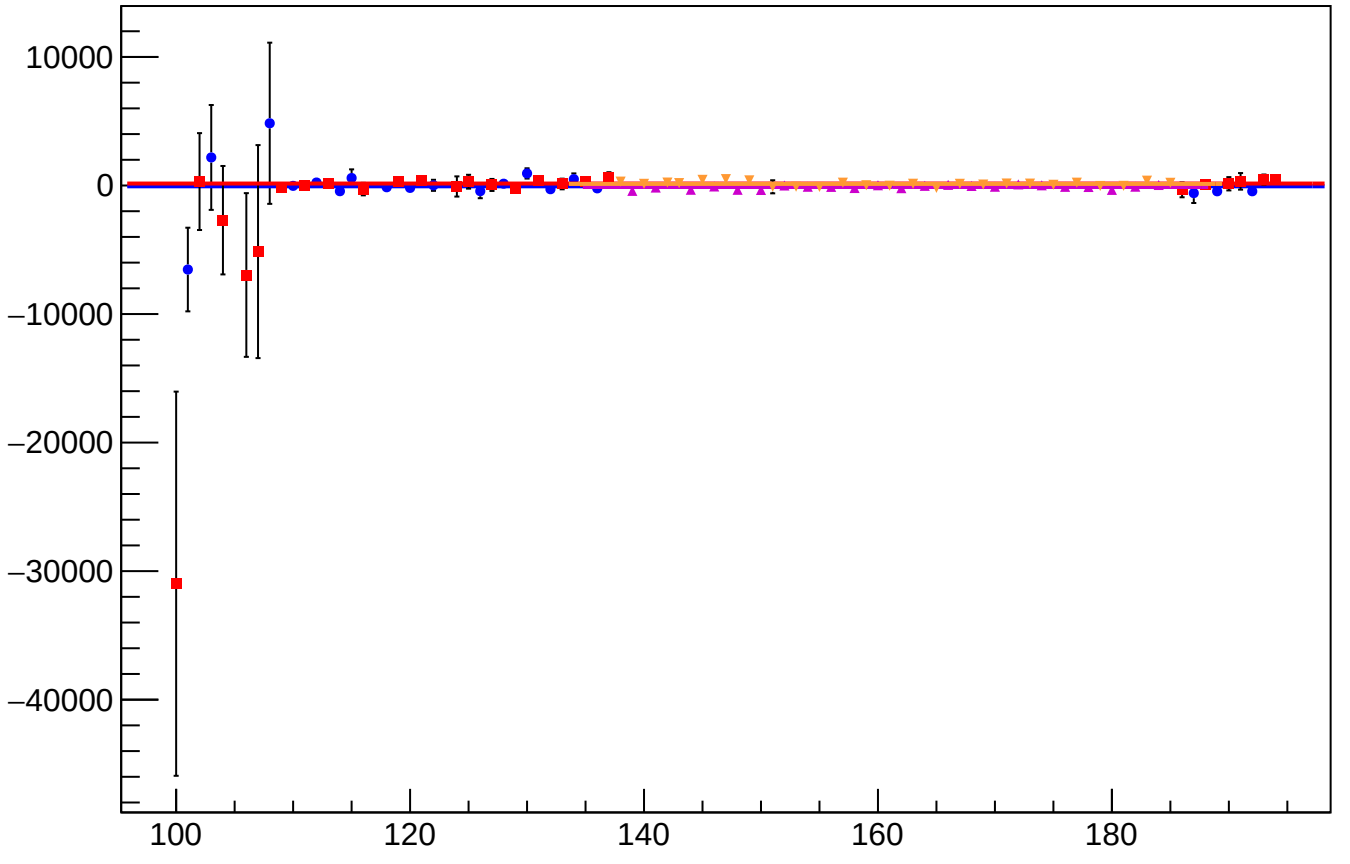
Right Out: 27.523+/-0.006 χ^2/NDF: 3579474.9/24

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.254+/-0.004 χ^2/NDF: 3378800.3/43

All: 28.240+/-0.003 χ^2/NDF: 7099469.4/91

- sign 28.227+/-0.004 χ^2/NDF: 3720645.6/47



Right In: -63.153+/-79.622 χ^2/NDF: 21.5/18

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

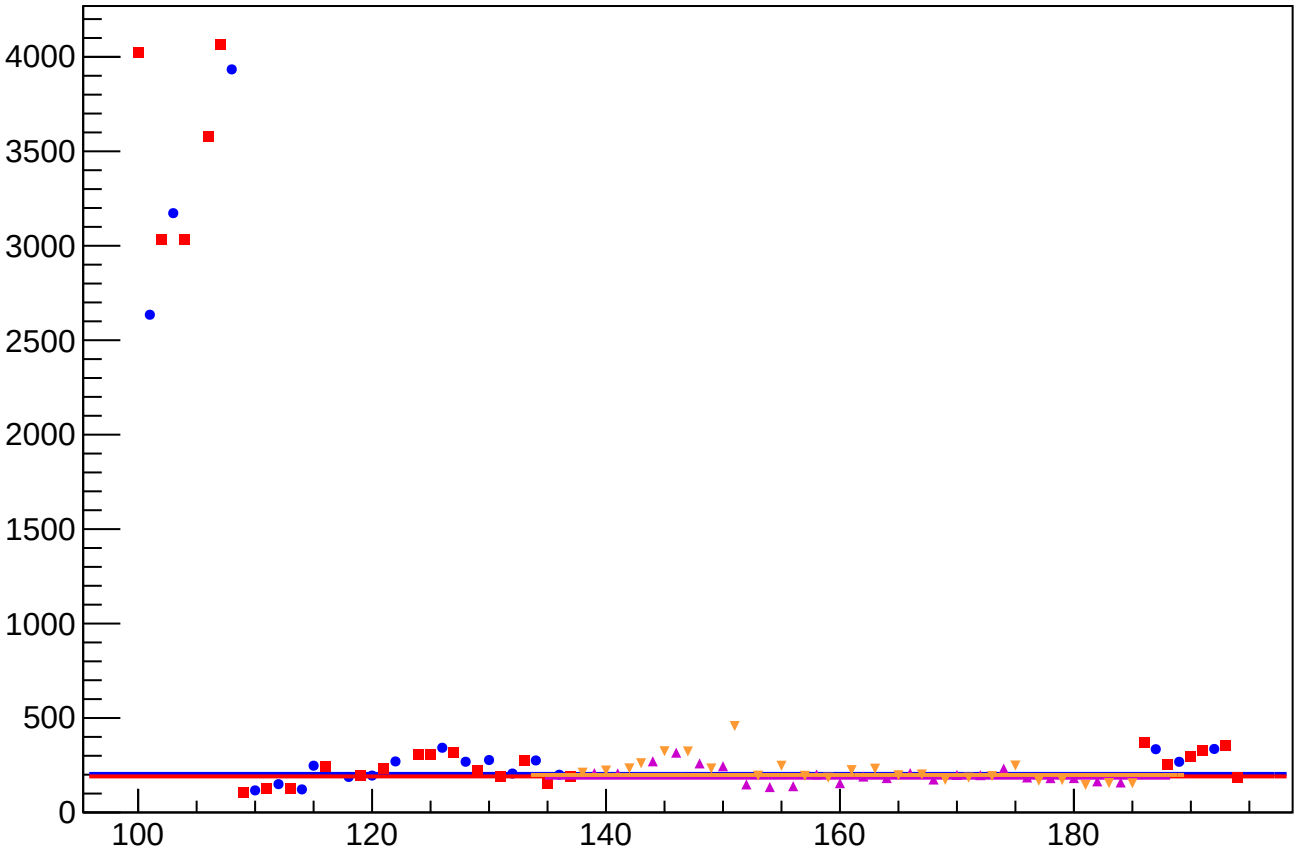
Right Out: 152.796+/-68.071 χ^2/NDF: 17.9/24

Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 74.358+/-40.363 χ^2/NDF: 37.5/43

All: 15.558+/-27.439 χ^2/NDF: 78.6/91

- sign -34.966+/-37.414 χ^2/NDF: 37.2/47



Right In: 204.042+/-0.056 χ^2/NDF: 4297622.2/18

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

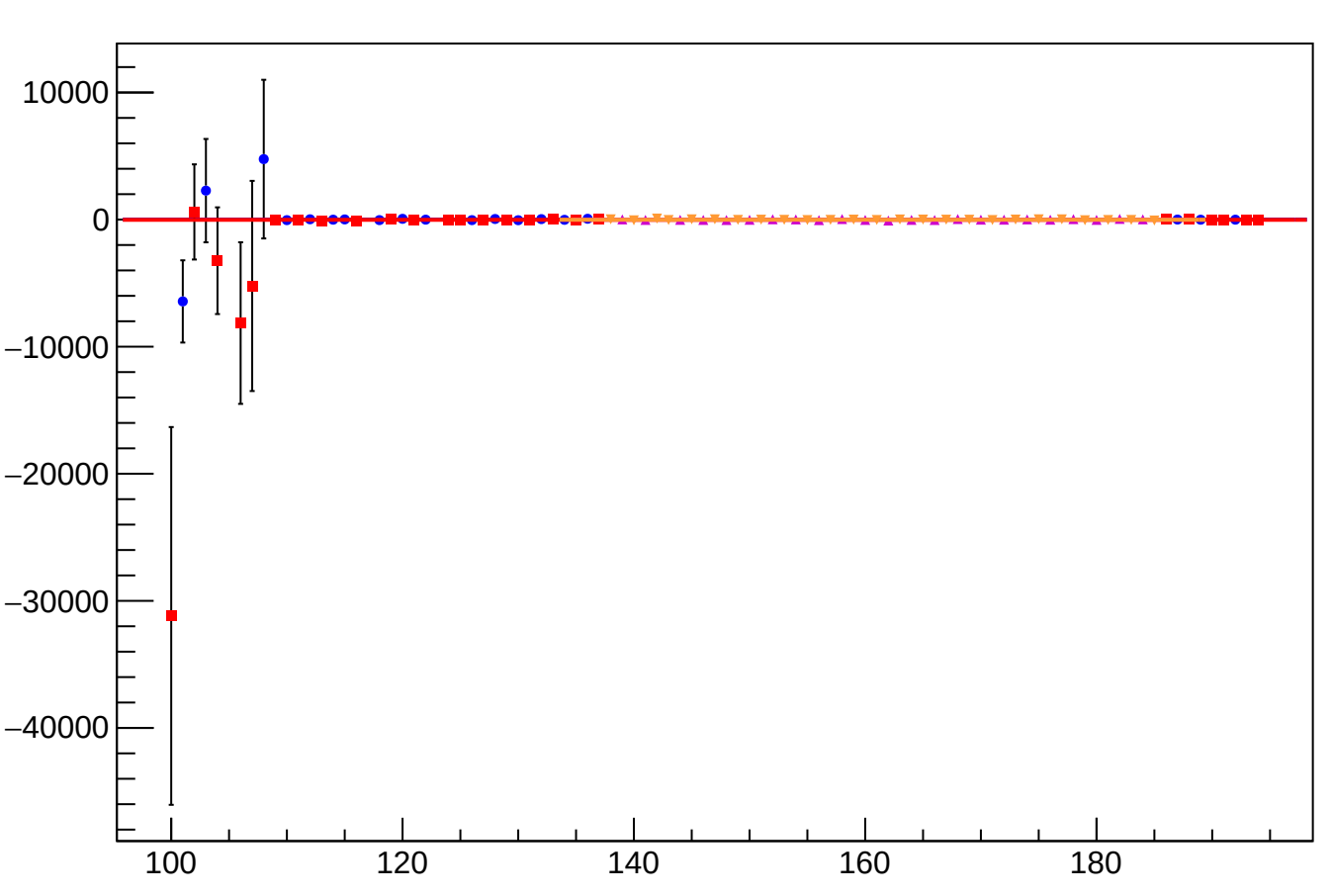
Right Out: 190.798+/-0.048 χ^2/NDF: 5240664.8/24

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 199.977+/-0.029 χ^2/NDF: 6206143.1/43

All: 192.507+/-0.019 χ^2/NDF: 13033288.1/91

- sign 186.089+/-0.026 χ^2/NDF: 6699805.1/47



Right In: 3.313+/-10.222 χ^2/NDF: 18.6/18

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -17.452+/-9.183 χ^2/NDF: 25.9/24

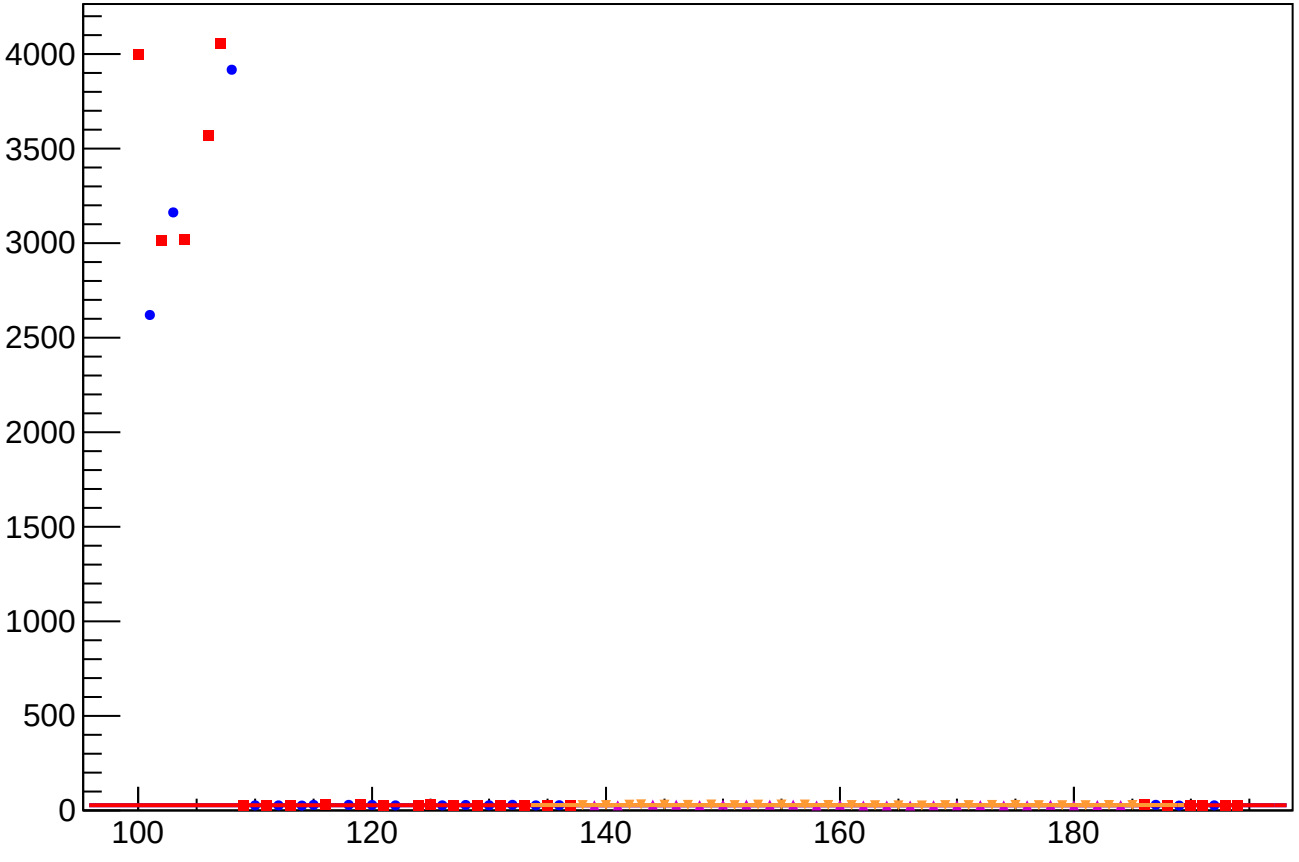
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

\+ sign -7.454+/-5.509 χ^2/NDF: 38.1/43

All: -7.617+/-3.867 χ^2/NDF: 87.8/91

\- sign -7.776+/-5.429 χ^2/NDF: 49.8/47

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

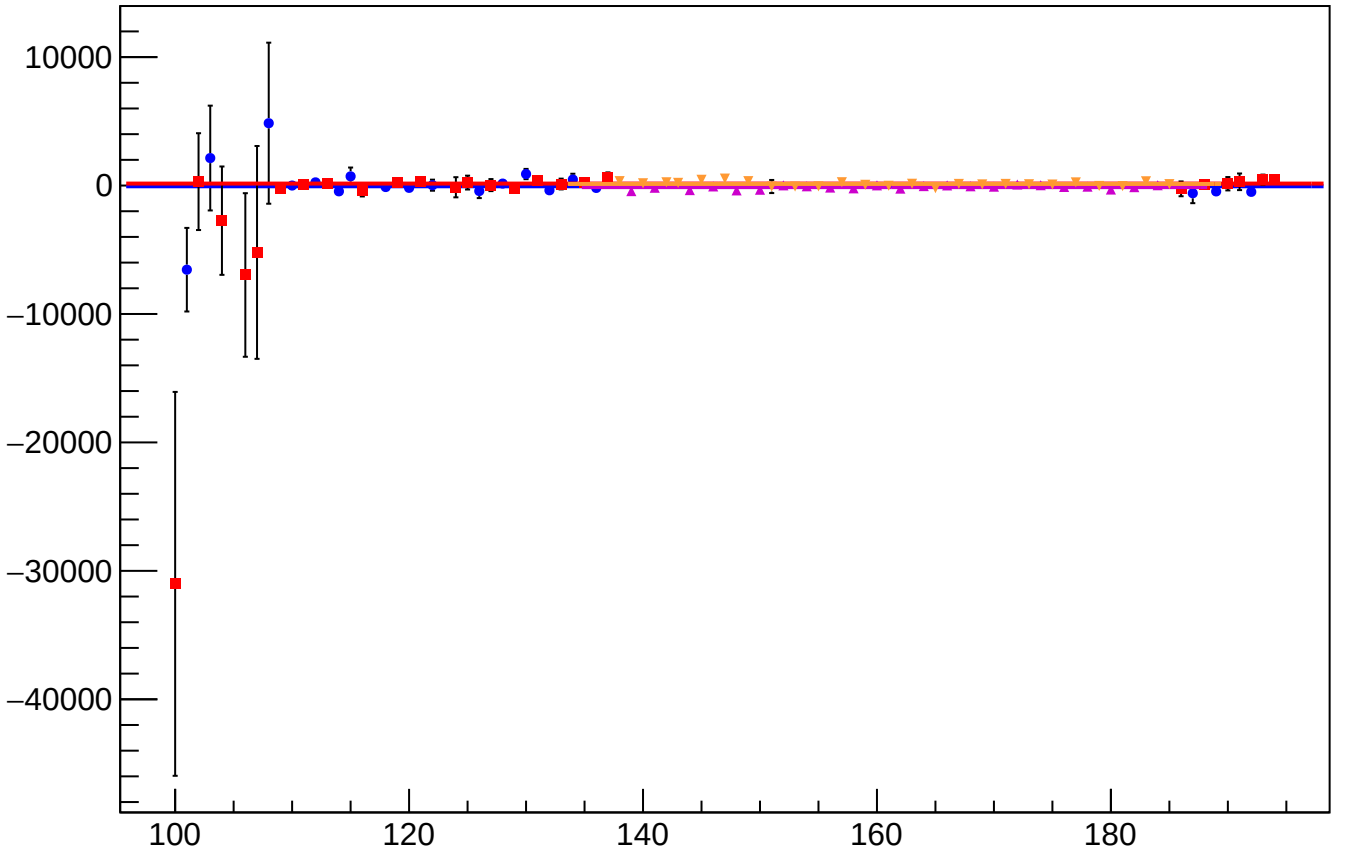
Right Out: 27.628+/-0.006 χ^2/NDF: 3577447.9/24

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.377+/-0.004 χ^2/NDF: 3391149.0/43

All: 28.360+/-0.003 χ^2/NDF: 7114682.4/91

- sign 28.343+/-0.004 χ^2/NDF: 3723494.9/47



Right In: -57.504+/-80.540 χ^2/NDF: 21.9/18

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: 152.409+/-68.834 χ^2/NDF: 16.8/24

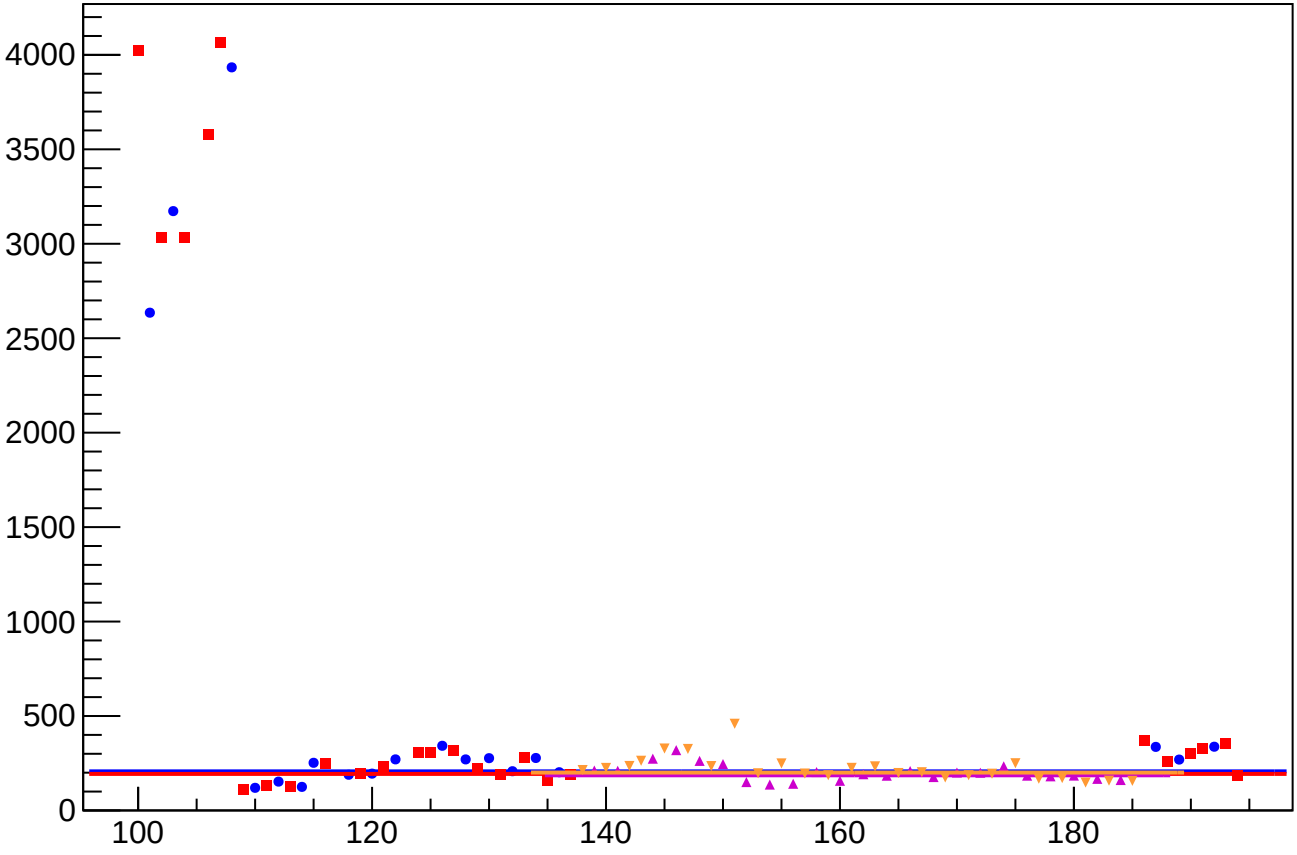
Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 76.609+/-40.786 χ^2/NDF: 37.0/43

All: 13.980+/-27.733 χ^2/NDF: 77.8/91

- sign -39.880+/-37.823 χ^2/NDF: 36.5/47

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

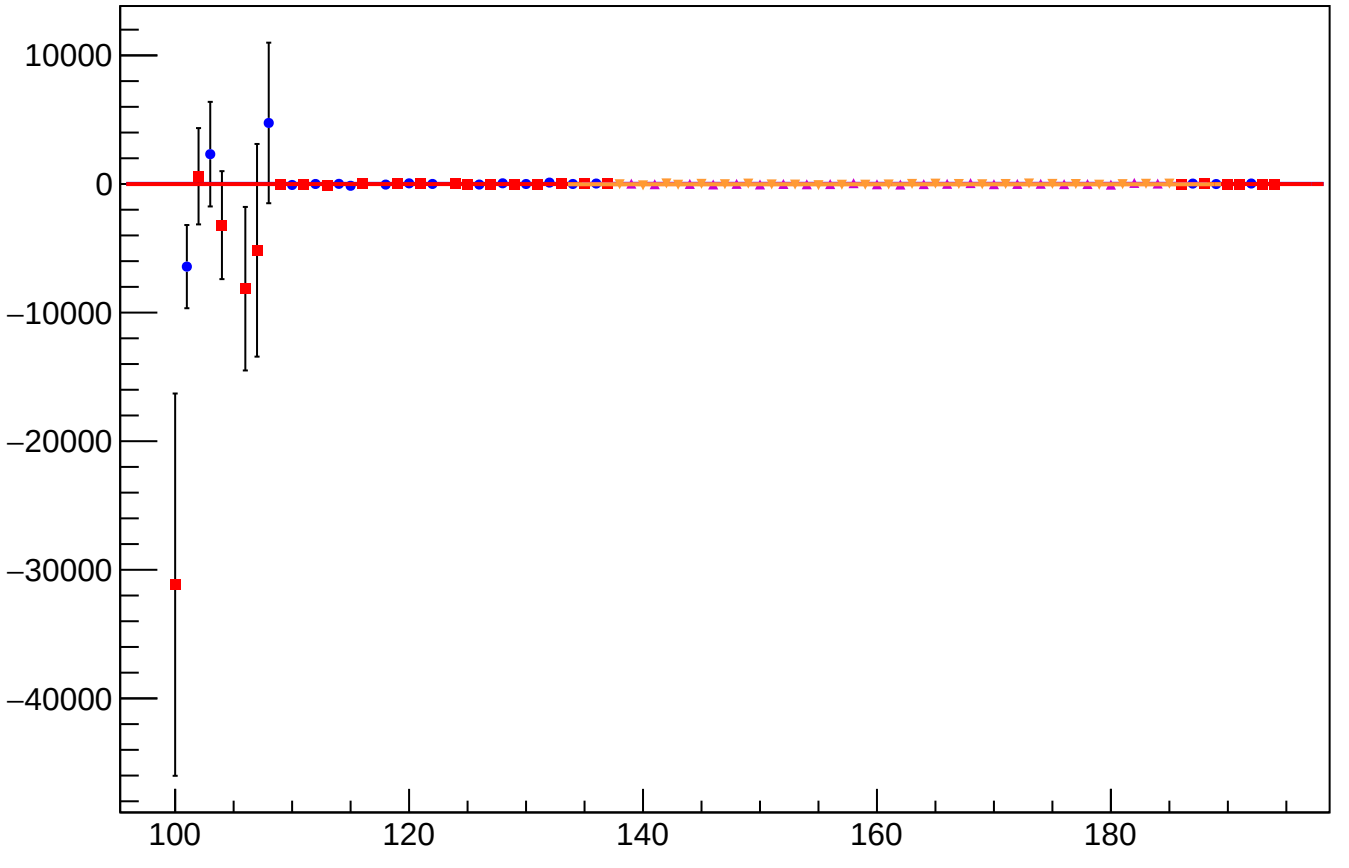
Right Out: 193.485+/-0.049 χ^2/NDF: 5154665.3/24

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 202.287+/-0.029 χ^2/NDF: 6121290.5/43

All: 194.809+/-0.020 χ^2/NDF: 12830171.2/91

- sign 188.378+/-0.027 χ^2/NDF: 6583825.0/47



Right In: 9.809+/-12.472 χ^2/NDF: 18.4/18

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -7.250+/-11.186 χ^2/NDF: 25.9/24

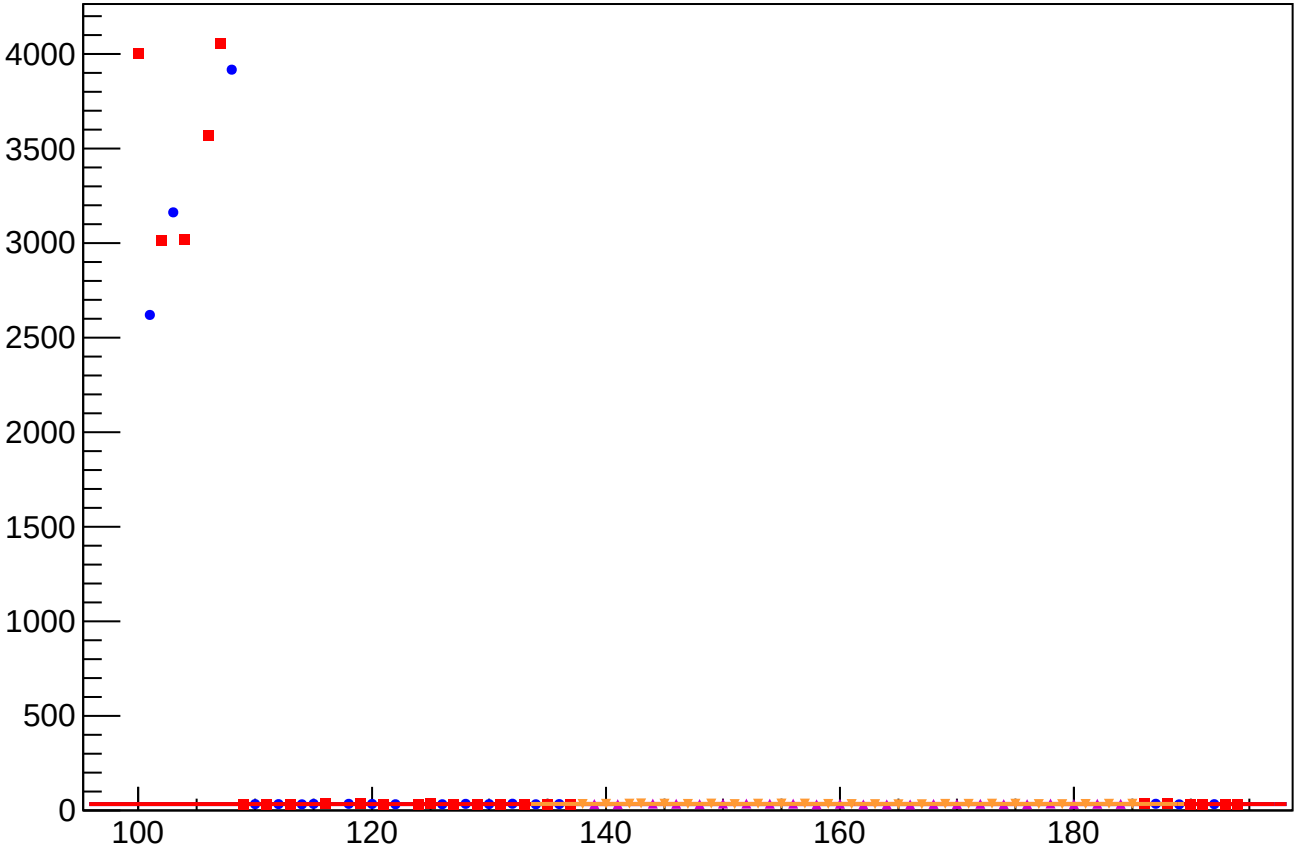
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -12.445+/-6.635 χ^2/NDF: 45.7/43

All: -6.064+/-4.662 χ^2/NDF: 93.1/91

- sign 0.159+/-6.552 χ^2/NDF: 45.5/47

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: 33.721+/-0.008 χ^2/NDF: 3537365.8/24

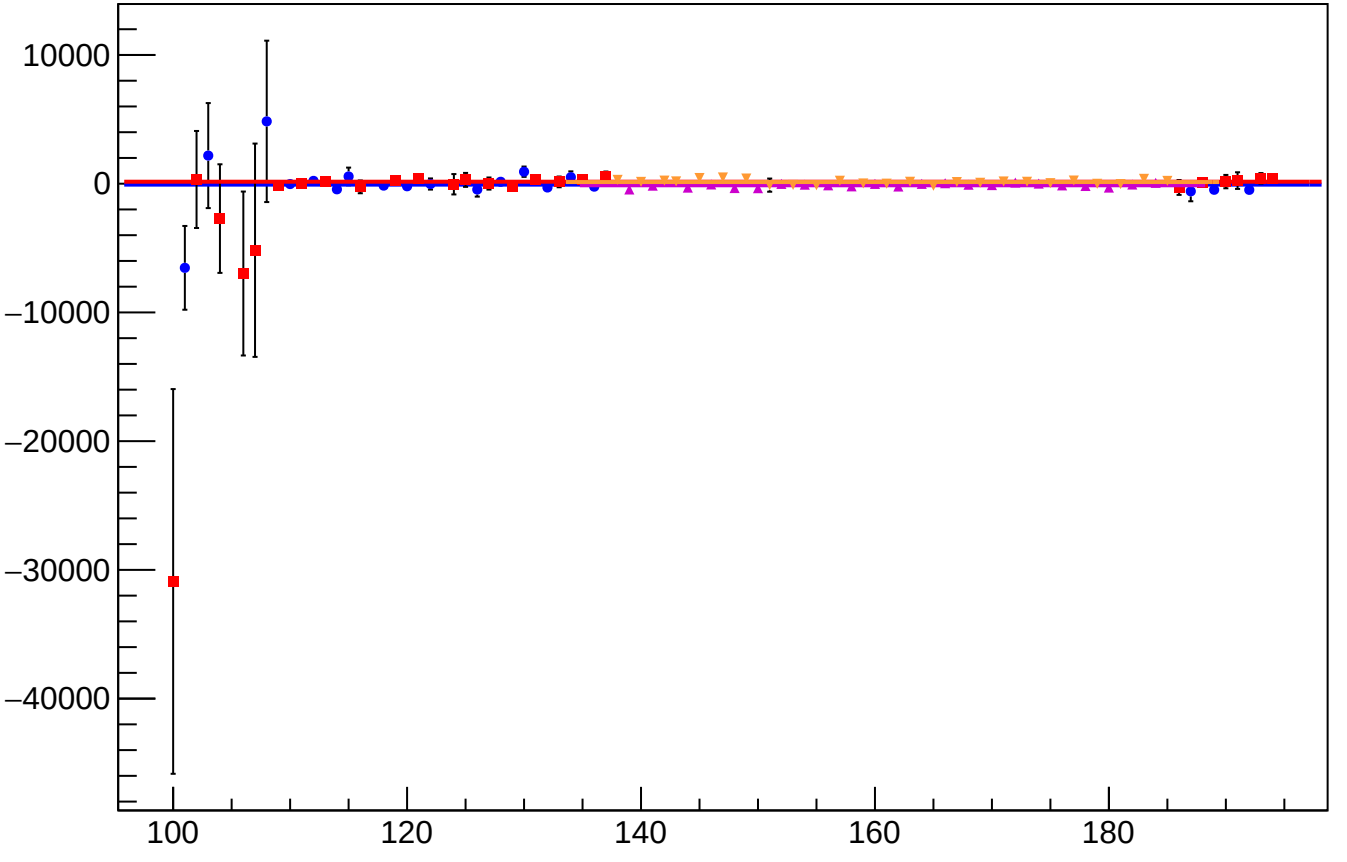
Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.229+/-0.005 χ^2/NDF: 3298003.6/43

All: 34.248+/-0.003 χ^2/NDF: 6901931.2/91

- sign 34.267+/-0.005 χ^2/NDF: 3603894.7/47

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -71.844+/-80.157 χ^2/NDF: 21.6/18

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: 154.610+/-68.482 χ^2/NDF: 16.3/24

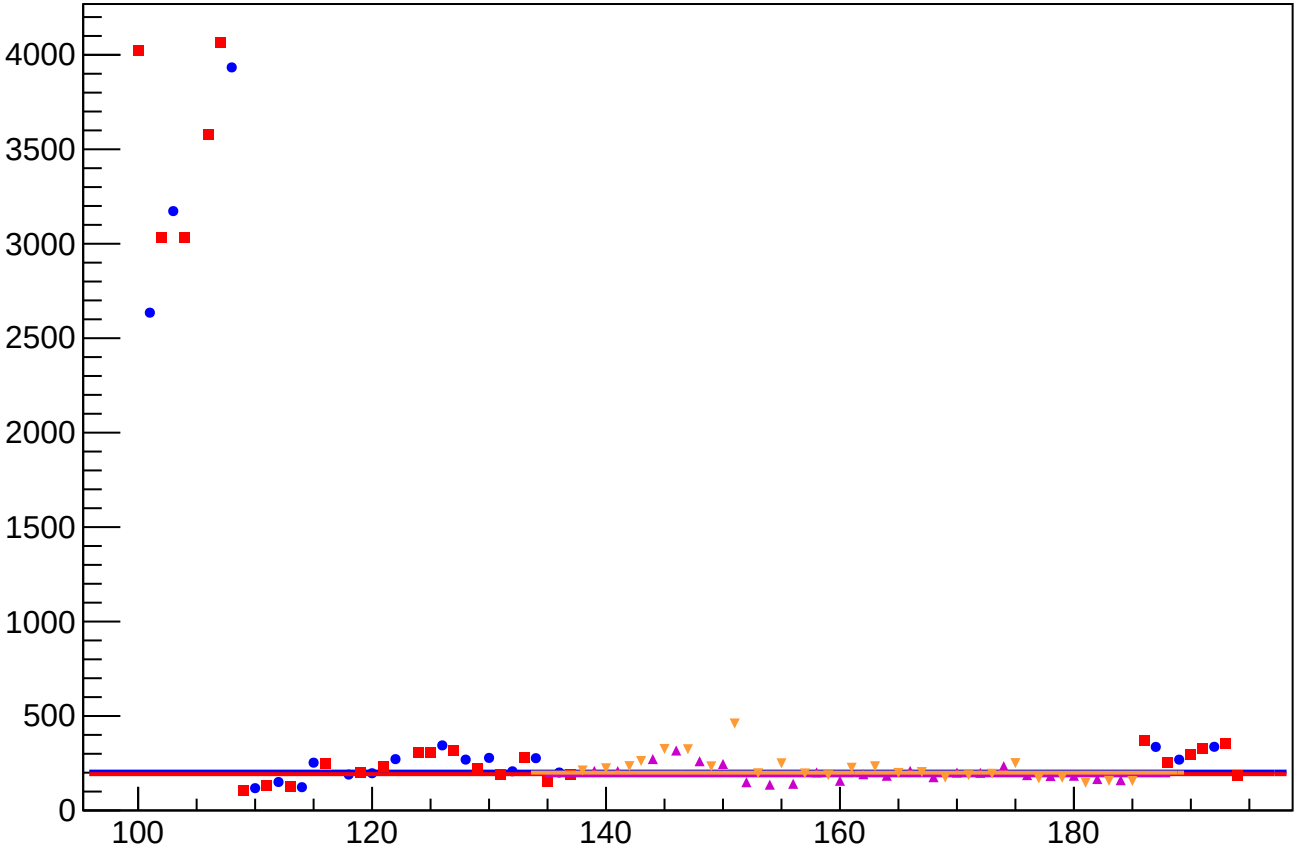
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 76.271+/-40.690 χ^2/NDF: 37.8/43

All: 14.478+/-27.664 χ^2/NDF: 77.8/91

- sign -38.632+/-37.723 χ^2/NDF: 35.7/47

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 205.564+/-0.057 χ^2/NDF: 4279141.3/18

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

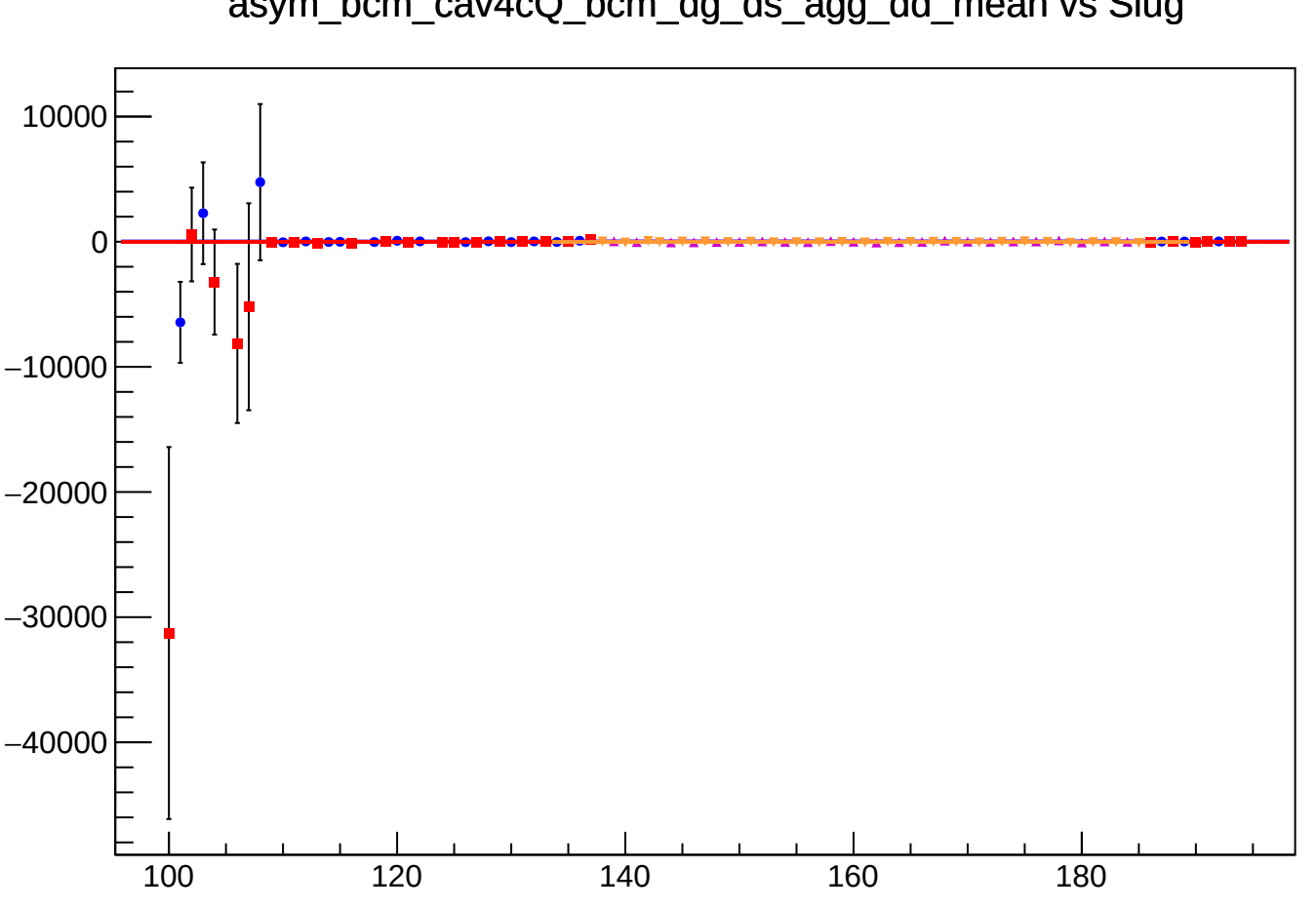
Right Out: 192.102+/-0.048 χ^2/NDF: 5218464.7/24

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 201.710+/-0.029 χ^2/NDF: 6161903.2/43

All: 194.209+/-0.020 χ^2/NDF: 12923804.8/91

- sign 187.762+/-0.027 χ^2/NDF: 6635520.5/47



Right In: 14.982+/-11.328 χ^2/NDF: 15.5/18

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -10.661+/-10.151 χ^2/NDF: 33.0/24

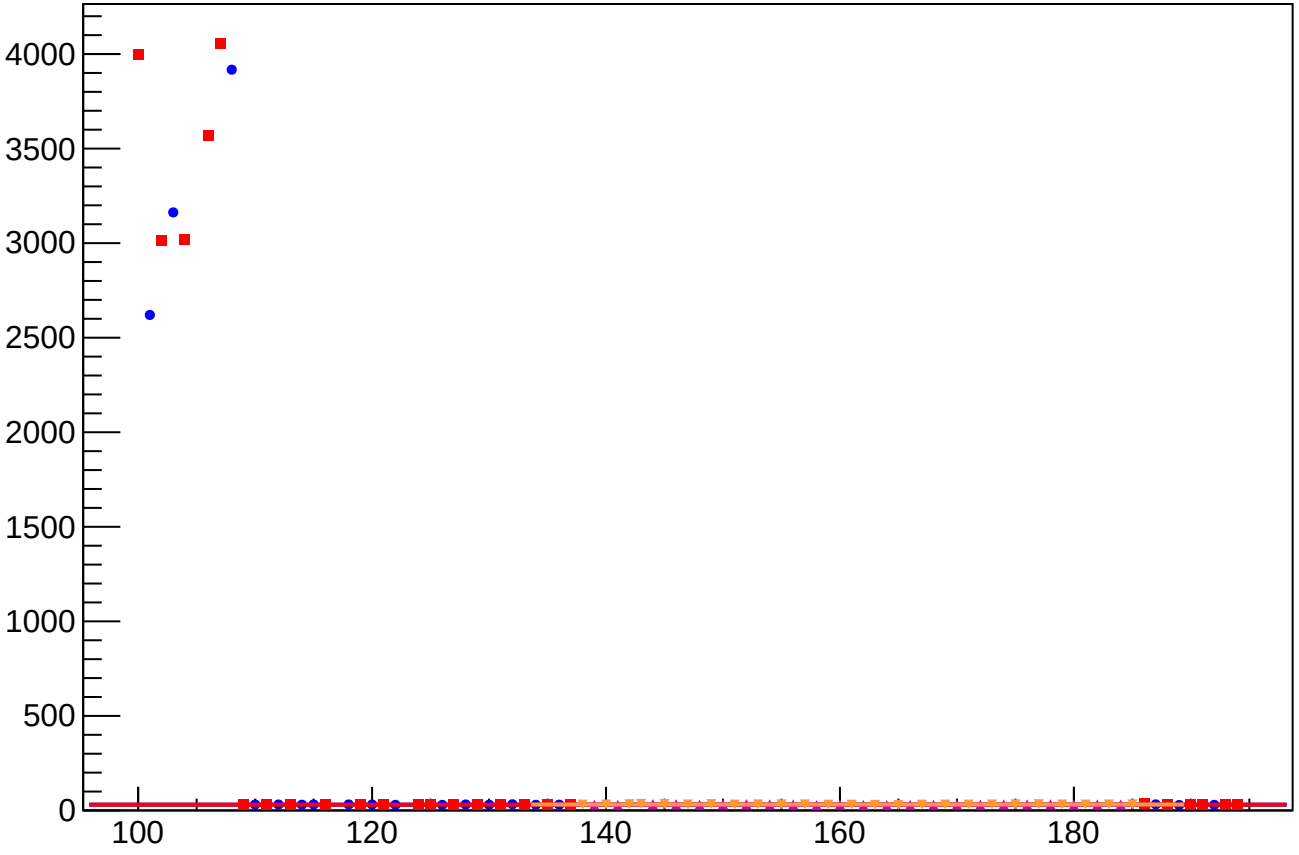
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

\+ sign -9.048+/-6.037 χ^2/NDF: 42.2/43

All: -5.417+/-4.238 χ^2/NDF: 112.6/91

\- sign -1.888+/-5.952 χ^2/NDF: 69.7/47

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.580+/-0.008 χ^2/NDF: 3261564.6/18

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

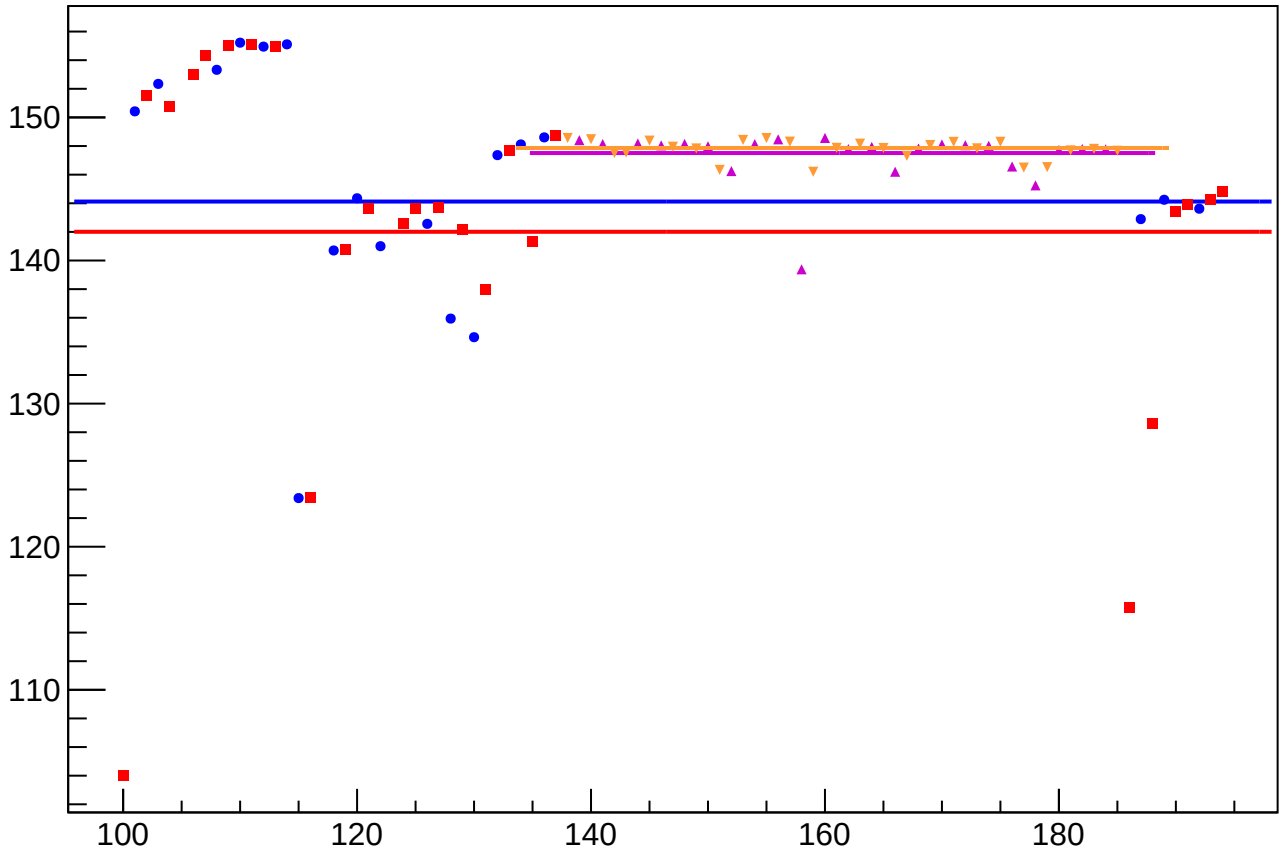
Right Out: 30.567+/-0.007 χ^2/NDF: 3553202.9/24

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 31.124+/-0.004 χ^2/NDF: 3331028.7/43

All: 31.112+/-0.003 χ^2/NDF: 6977879.9/91

\- sign 31.100+/-0.004 χ^2/NDF: 3646835.5/47



Right In: 144.121+/-0.000 χ^2/NDF: 3727460742.3/18

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.008+/-0.000 χ^2/NDF: 7458634491.9/24

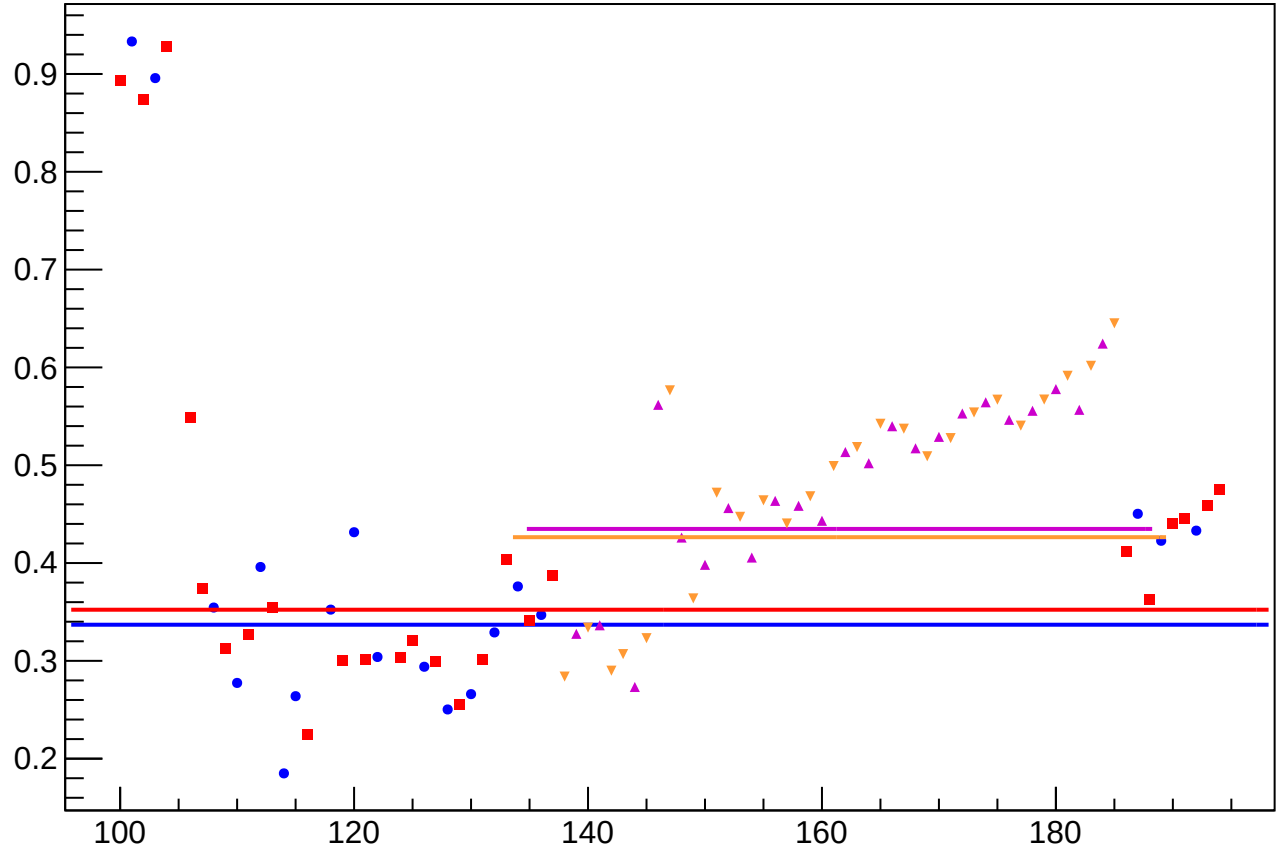
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.355+/-0.000 χ^2/NDF: 4320519008.2/43

All: 145.660+/-0.000 χ^2/NDF: 13484885844.

- sign 144.977+/-0.000 χ^2/NDF: 9008776556.7/47

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

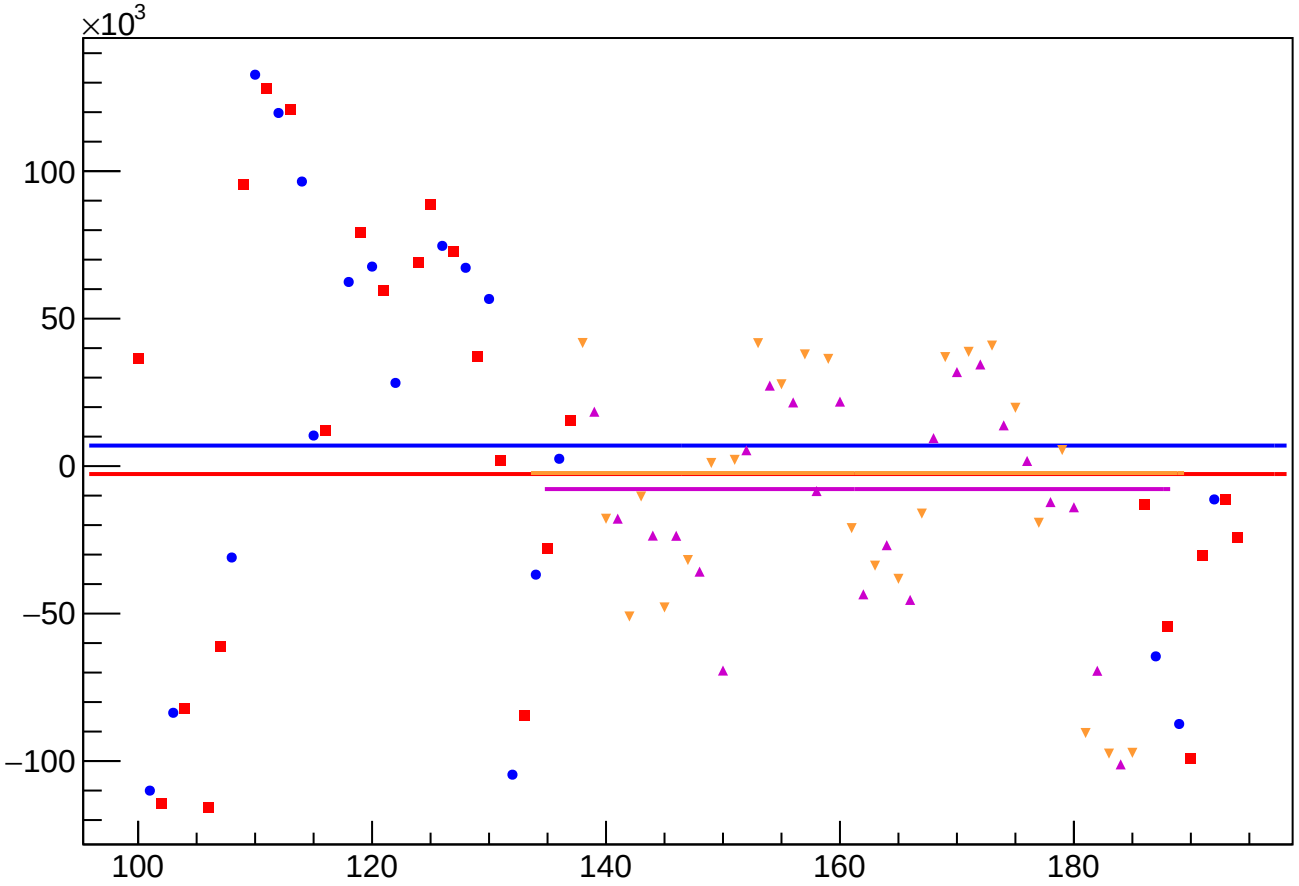
Right Out: 0.352+/-0.000 χ^2/NDF: 1633834.2/24

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.390+/-0.000 χ^2/NDF: 4456970.8/43

All: 0.394+/-0.000 χ^2/NDF: 8433080.9/91

- sign 0.397+/-0.000 χ^2/NDF: 3969187.7/47



Right In: 6963.363+/-1.813 χ^2/NDF: 1622478963.1/18

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -2689.975+/-1.570 χ^2/NDF: 2162732519.2/24

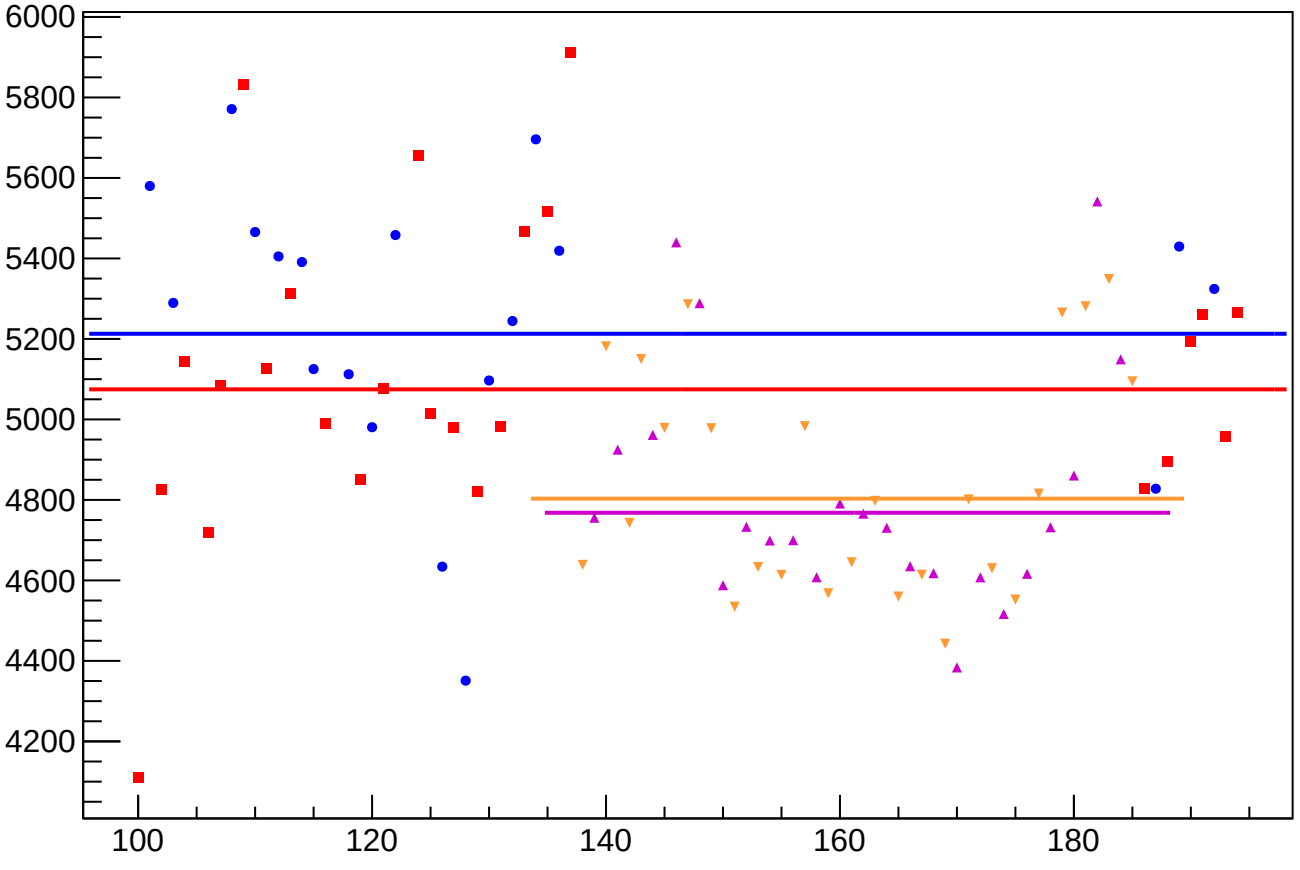
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign 236.336+/-0.955 χ^2/NDF: 2871550880.7/43

All: -2991.122+/-0.664 χ^2/NDF: 5825804177

- sign -6019.092+/-0.925 χ^2/NDF: 2932112155.5/47

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

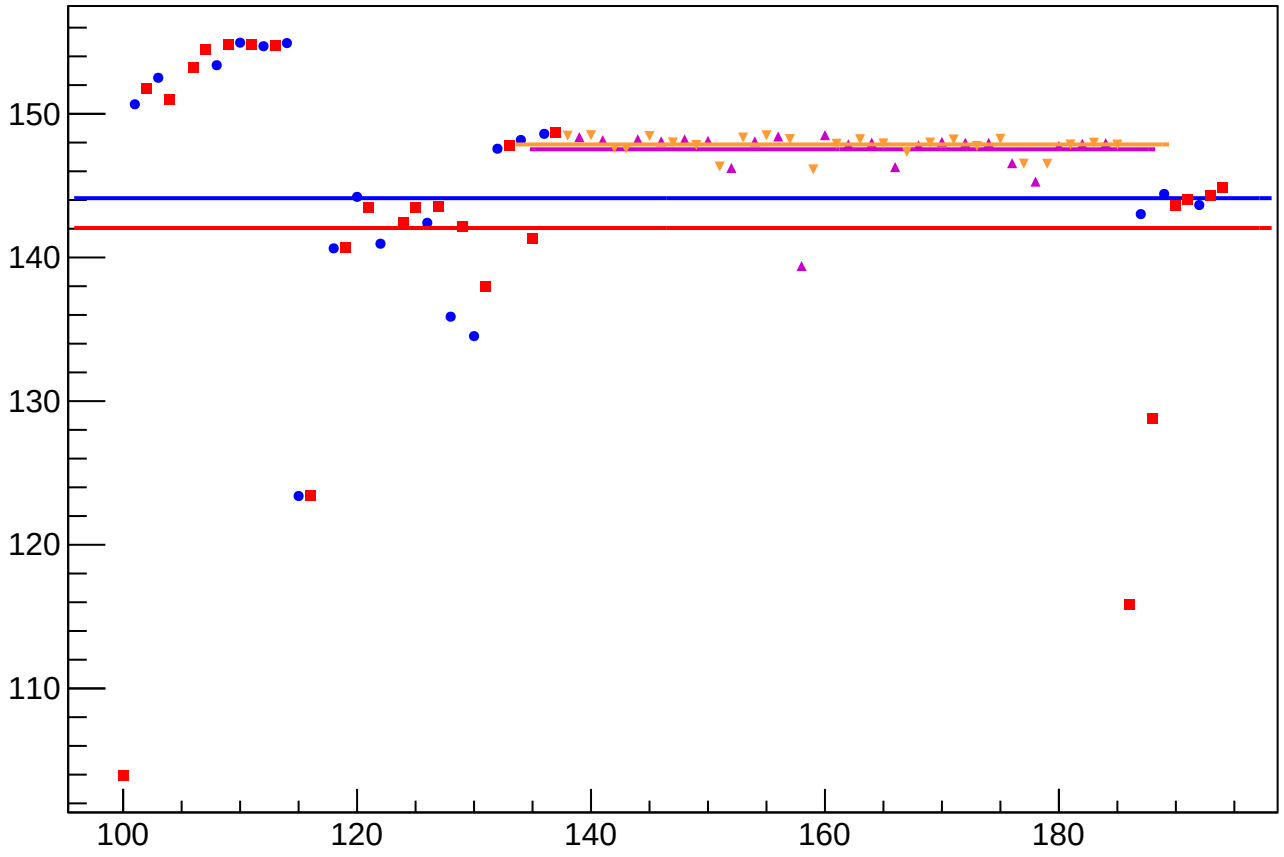
Right Out: 5074.702+/-1.110 χ^2/NDF: 67835.7/24

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 4916.736+/-0.675 χ^2/NDF: 270252.7/43

All: 4894.918+/-0.470 χ^2/NDF: 492277.4/91

- sign 4874.448+/-0.654 χ^2/NDF: 220001.0/47



Right In: 144.128+/-0.000 χ^2/NDF: 3767346042.1/18

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

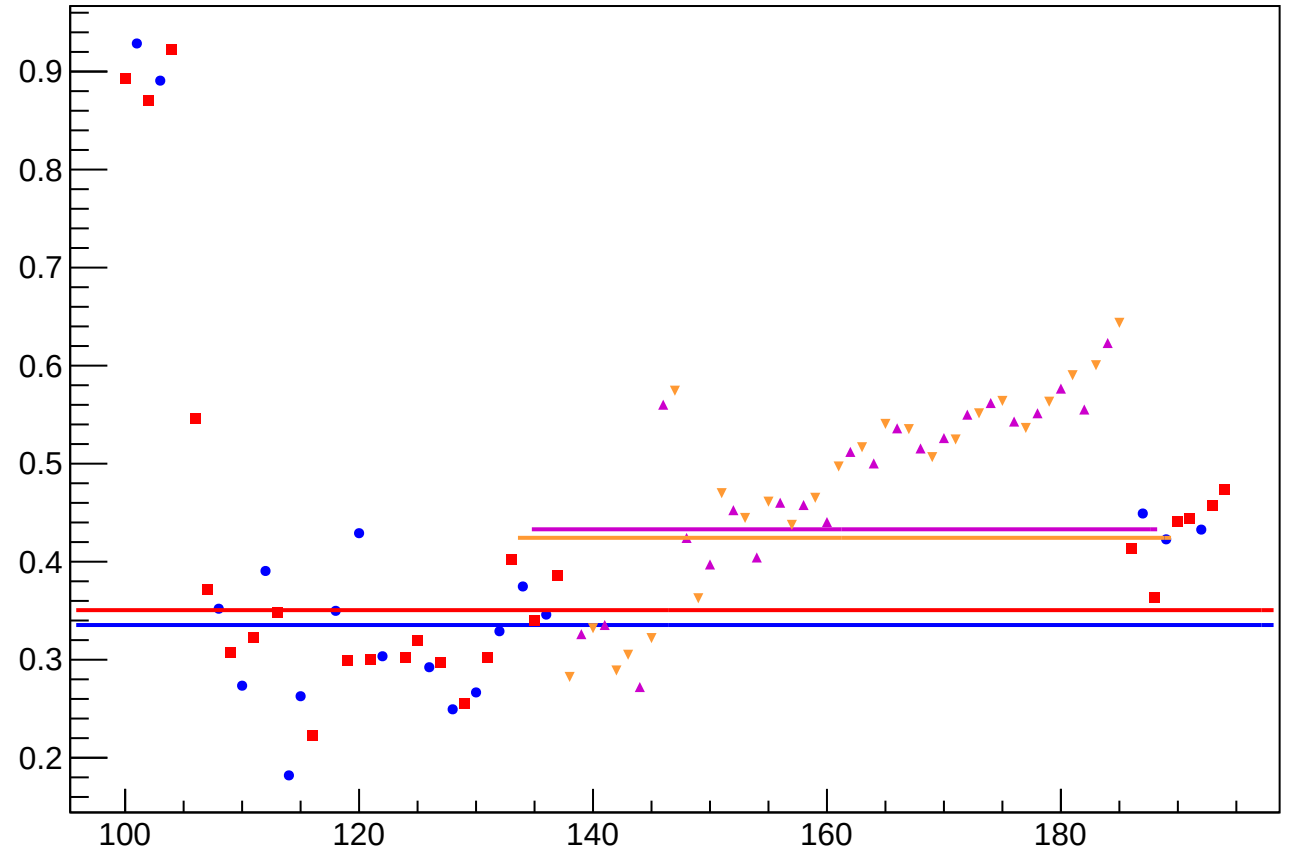
Right Out: 142.052+/-0.000 χ^2/NDF: 7430774951.9/24

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.362+/-0.000 χ^2/NDF: 4364479089.4/43

All: 145.679+/-0.000 χ^2/NDF: 13498125614.

- sign 145.008+/-0.000 χ^2/NDF: 8981965136.6/47



Right In: 0.335+/-0.000 χ^2/NDF: 1575897.4/18

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

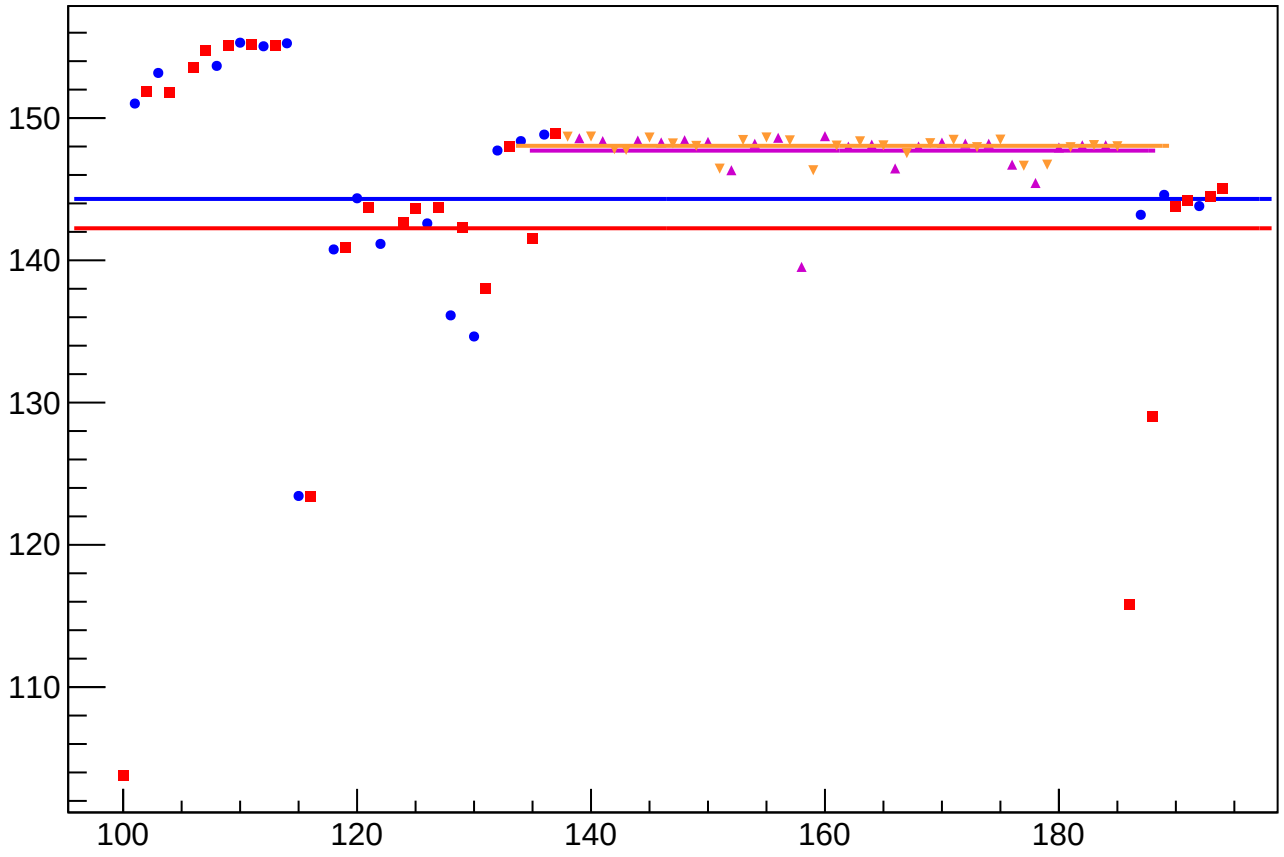
Right Out: 0.351+/-0.000 χ^2/NDF: 1641755.2/24

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.389+/-0.000 χ^2/NDF: 4461534.8/43

All: 0.392+/-0.000 χ^2/NDF: 8445060.0/91

- sign 0.395+/-0.000 χ^2/NDF: 3976413.5/47



Right In: 144.315+/-0.000 χ^2/NDF: 3761227898.9/18

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.253+/-0.000 χ^2/NDF: 7367091128.1/24

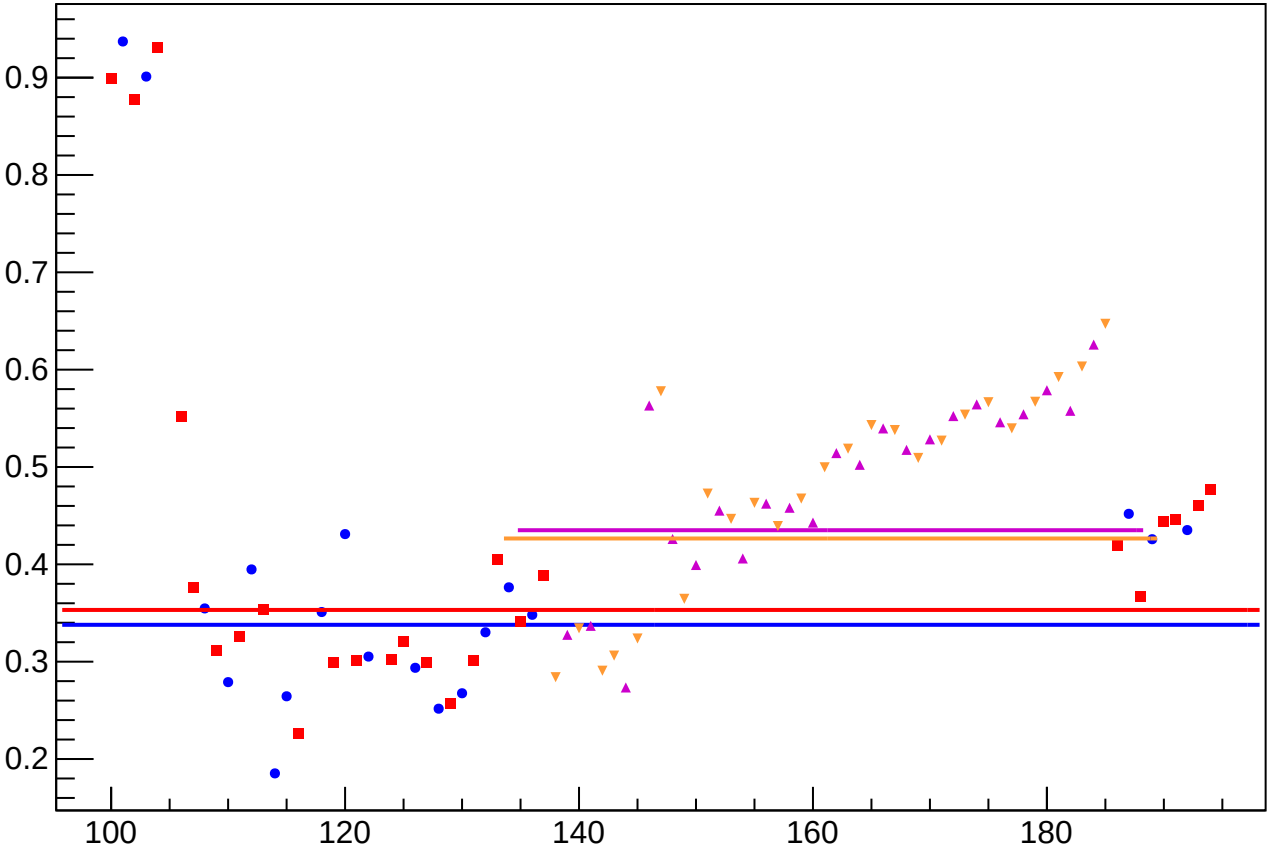
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.548+/-0.000 χ^2/NDF: 4349859105.3/43

All: 145.871+/-0.000 χ^2/NDF: 13395411874.

- sign 145.204+/-0.000 χ^2/NDF: 8897926647.3/47

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

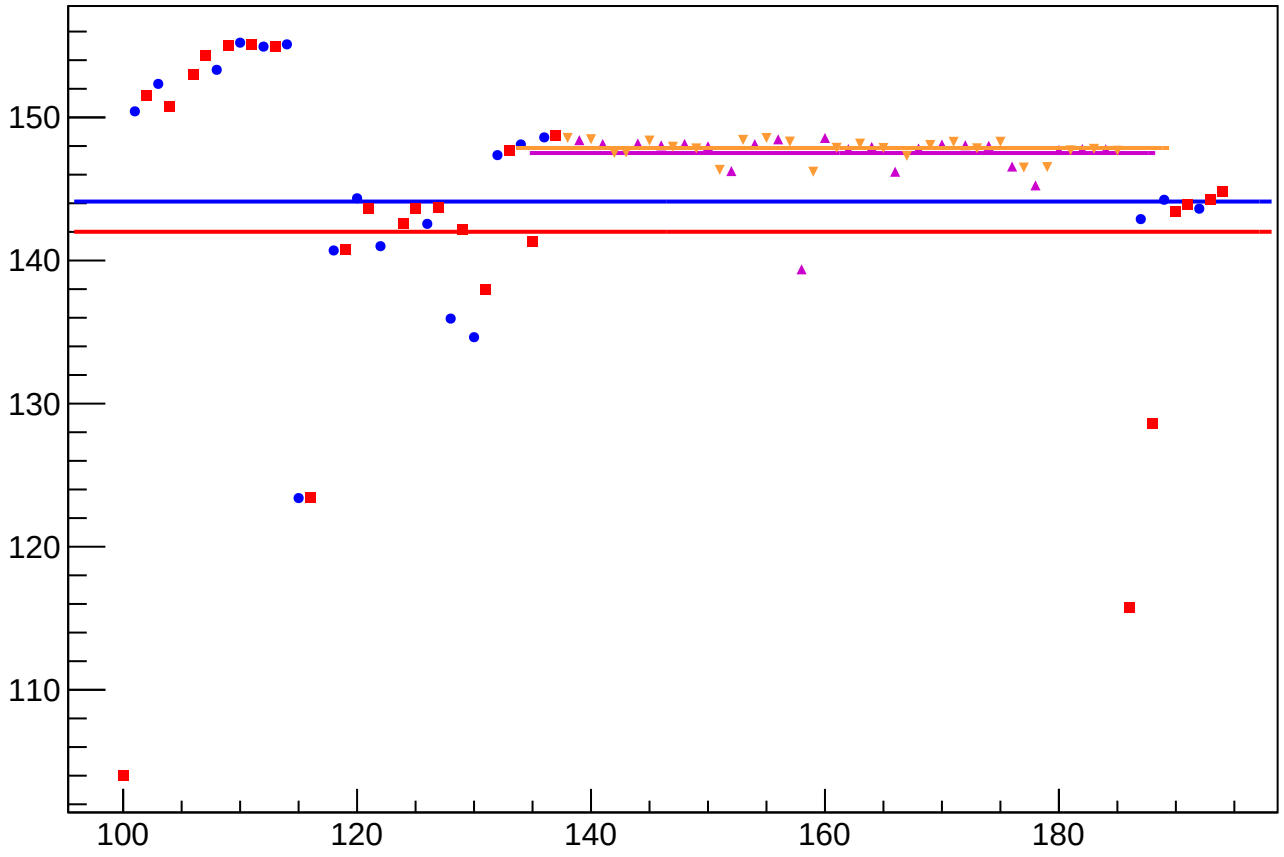
Right Out: 0.353+/-0.000 χ^2/NDF: 1643631.8/24

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.391+/-0.000 χ^2/NDF: 4441116.1/43

All: 0.394+/-0.000 χ^2/NDF: 8410598.3/91

- sign 0.397+/-0.000 χ^2/NDF: 3962502.2/47



Right In: 144.121+/-0.000 χ^2/NDF: 3727460742.3/18

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.008+/-0.000 χ^2/NDF: 7458634491.9/24

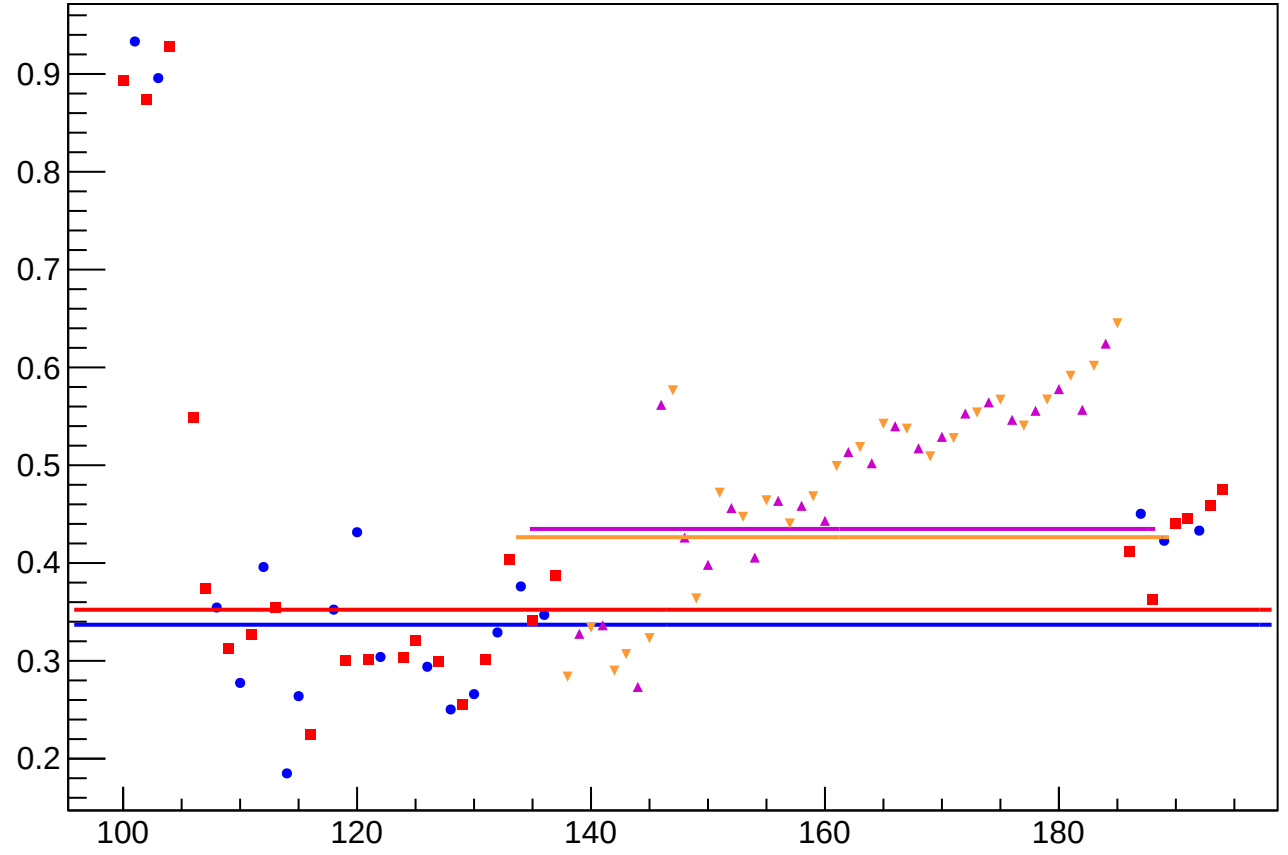
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.355+/-0.000 χ^2/NDF: 4320519008.2/43

All: 145.660+/-0.000 χ^2/NDF: 13484885844.

- sign 144.977+/-0.000 χ^2/NDF: 9008776556.7/47

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

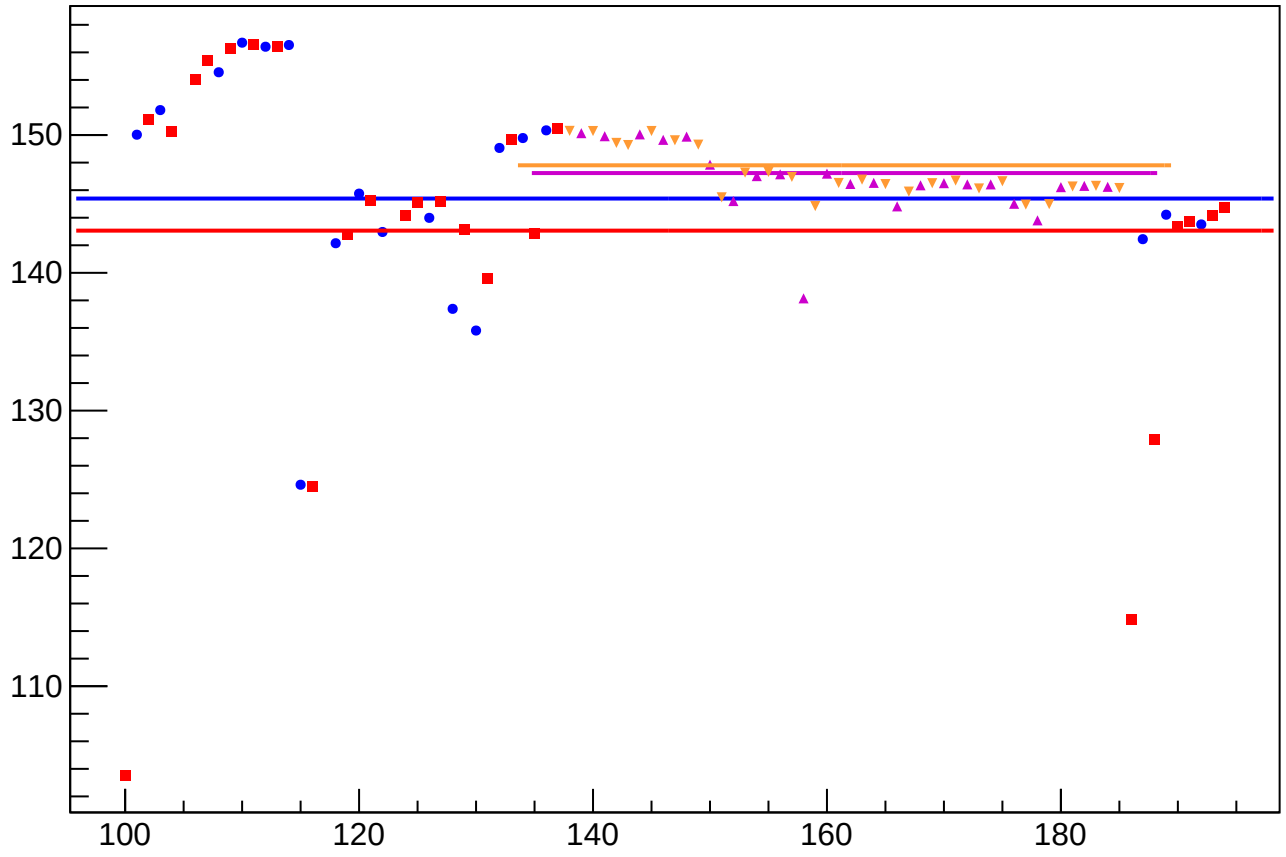
Right Out: 0.352+/-0.000 χ^2/NDF: 1633834.2/24

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.390+/-0.000 χ^2/NDF: 4456970.8/43

All: 0.394+/-0.000 χ^2/NDF: 8433080.9/91

- sign 0.397+/-0.000 χ^2/NDF: 3969187.7/47



Right In: 145.392+/-0.000 χ^2/NDF: 3511839698.3/18

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.063+/-0.000 χ^2/NDF: 7582625441.4/24

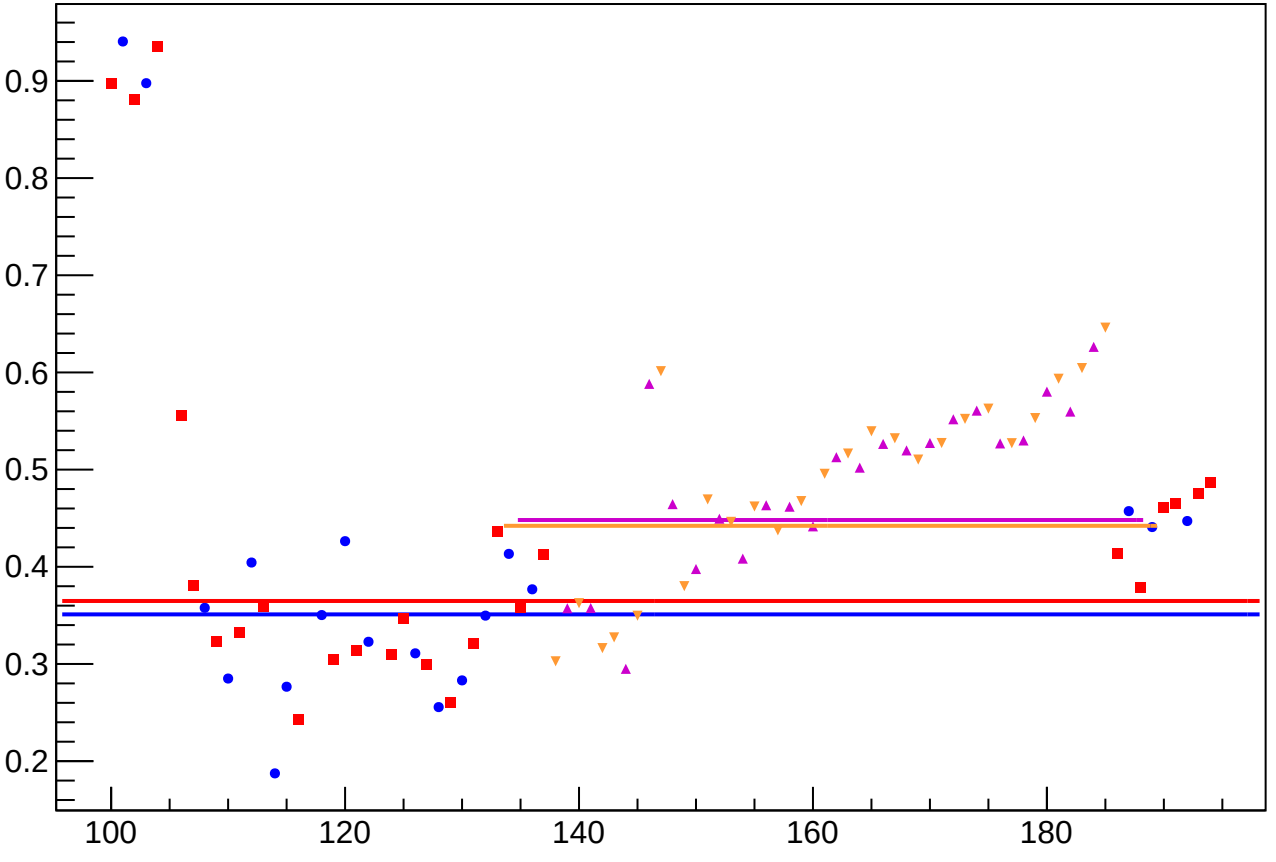
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.845+/-0.000 χ^2/NDF: 4050473113.2/43

All: 146.083+/-0.000 χ^2/NDF: 13100675565.

- sign 145.341+/-0.000 χ^2/NDF: 8876198642.5/47

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

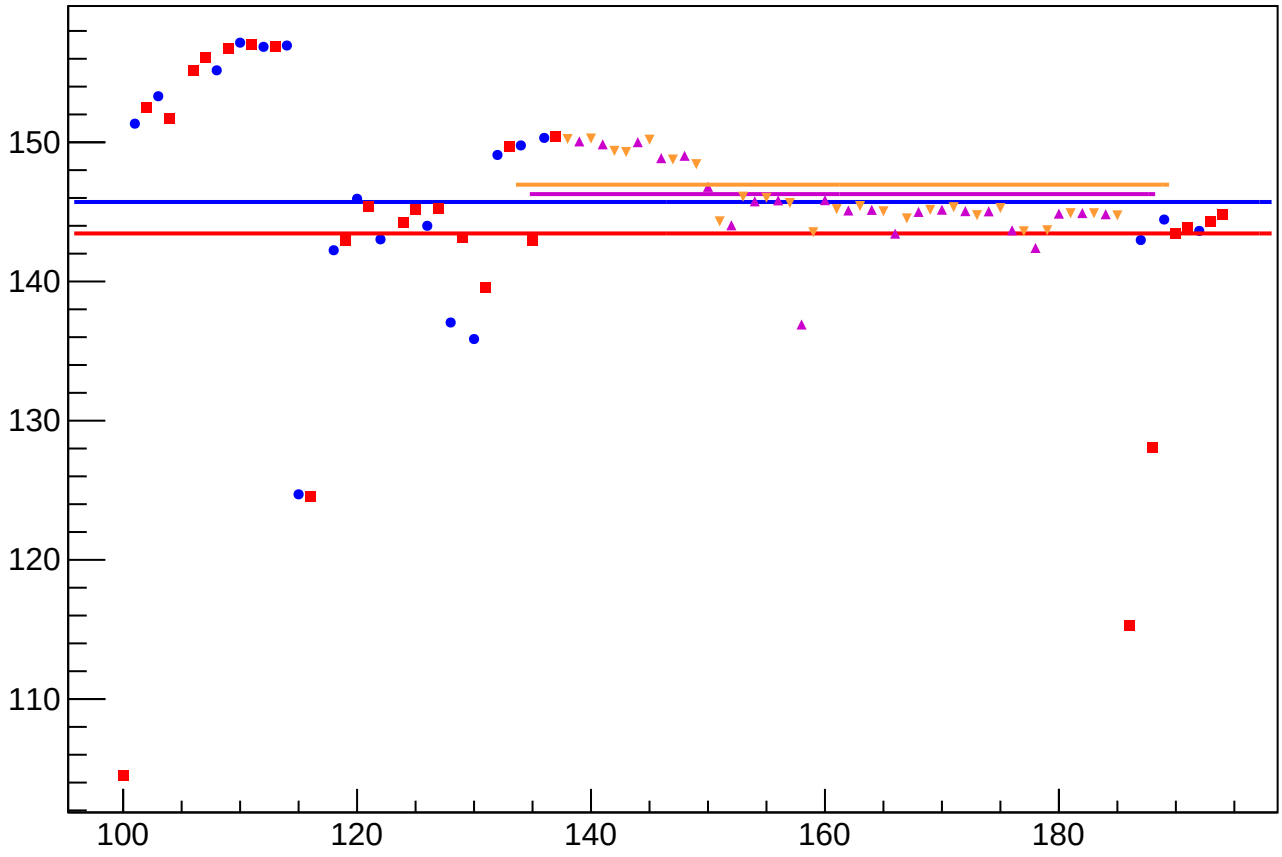
Right Out: 0.365+/-0.000 χ^2/NDF: 1595104.0/24

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.406+/-0.000 χ^2/NDF: 3842871.3/43

All: 0.408+/-0.000 χ^2/NDF: 7325390.6/91

- sign 0.410+/-0.000 χ^2/NDF: 3479661.2/47



Right In: 145.712+/-0.000 χ^2/NDF: 3654574643.0/18

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

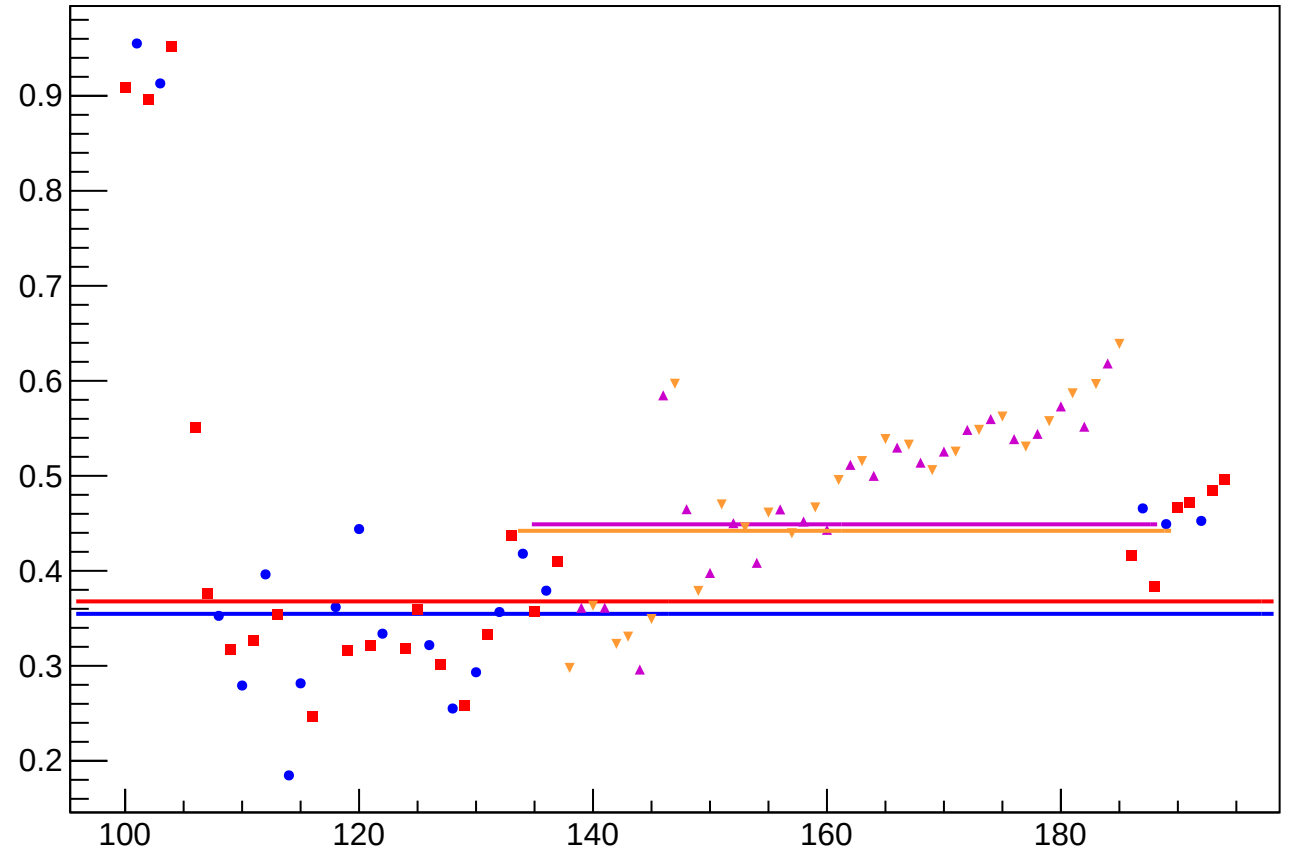
Right Out: 143.452+/-0.000 χ^2/NDF: 7659672430.1/24

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.469+/-0.000 χ^2/NDF: 4252793687.7/43

All: 145.727+/-0.000 χ^2/NDF: 13205761251.

- sign 145.005+/-0.000 χ^2/NDF: 8789802090.3/47



Right In: 0.355+/-0.000 χ^2/NDF: 1561767.8/18

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.368+/-0.000 χ^2/NDF: 1607334.6/24

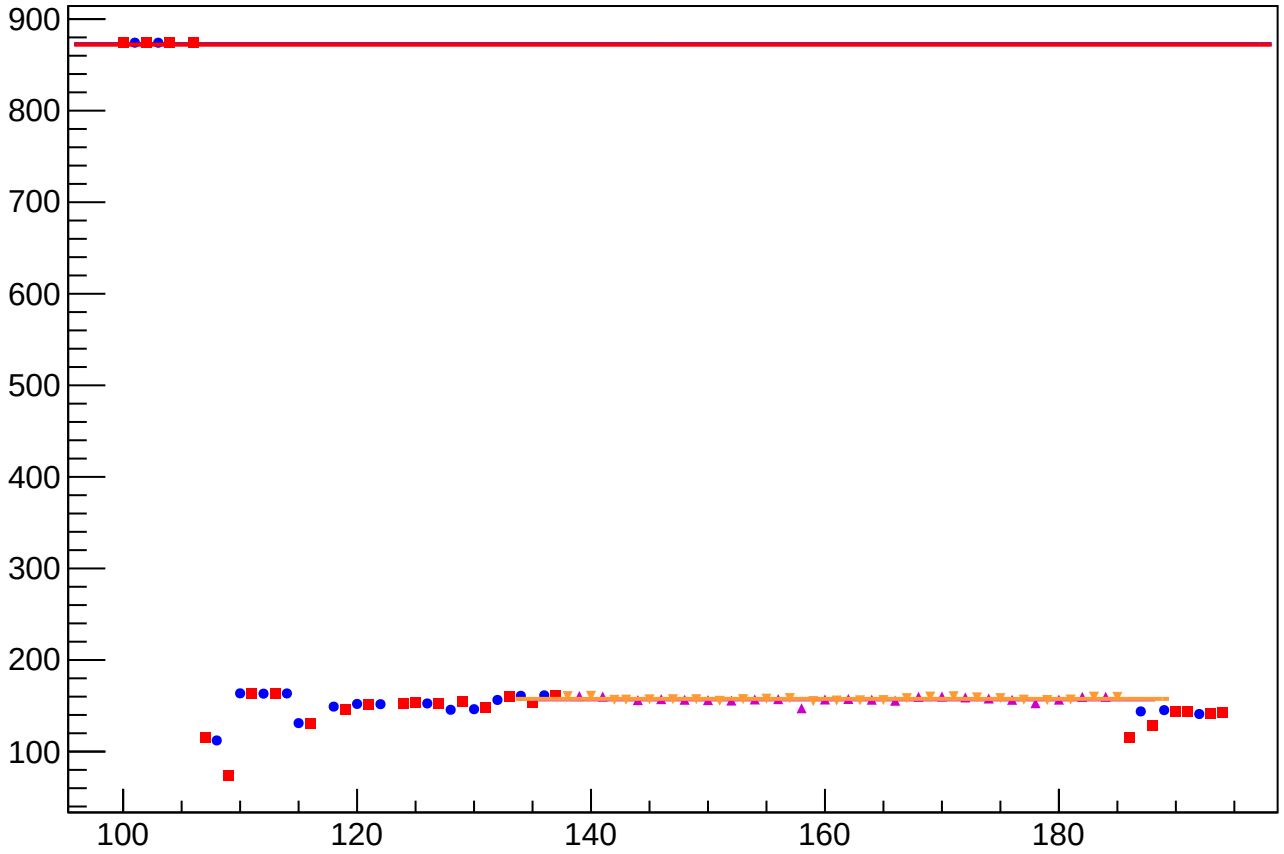
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.408+/-0.000 χ^2/NDF: 3785419.9/43

All: 0.410+/-0.000 χ^2/NDF: 7199267.8/91

- sign 0.412+/-0.000 χ^2/NDF: 3410755.4/47

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: 872.125+/-0.000 χ^2/NDF: 12503660635461.9/24

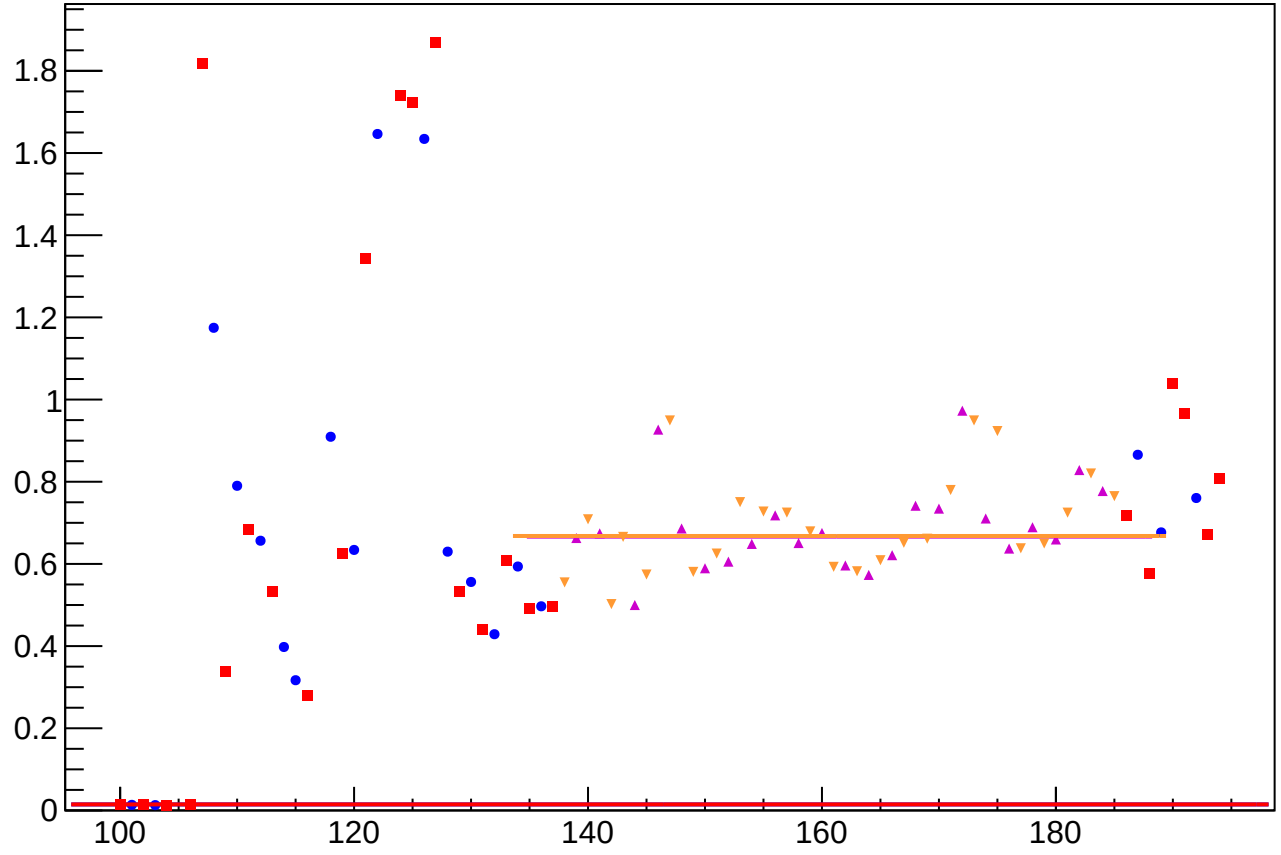
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 869.201+/-0.000 χ^2/NDF: 25669290369194.

All: 869.262+/-0.000 χ^2/NDF: 5468149228

- sign 869.315+/-0.000 χ^2/NDF: 29012151580826.

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: 15112122.5/24

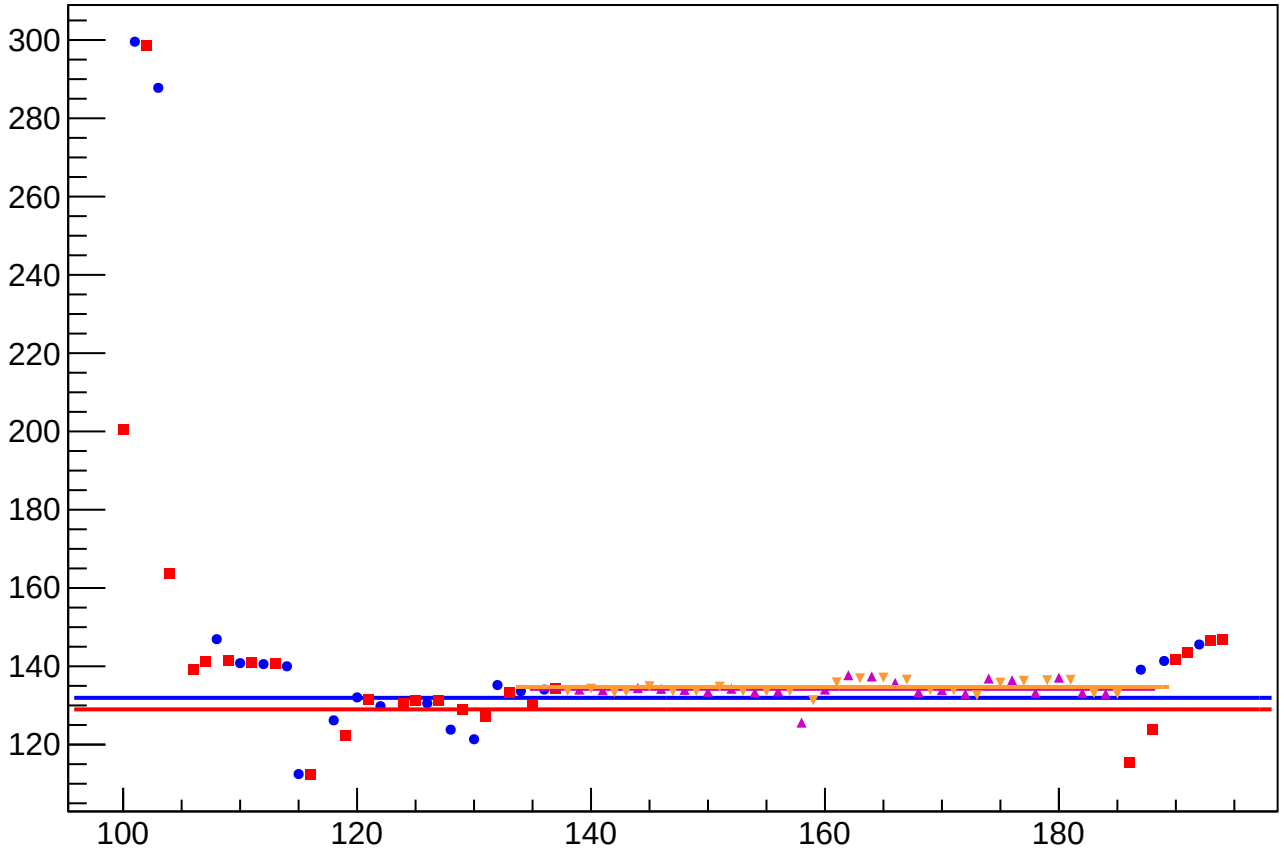
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 41544418.3/43

All: 0.017+/-0.000 χ^2/NDF: 84616399.9/91

- sign 0.017+/-0.000 χ^2/NDF: 43070712.5/47

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: 128.996+/-0.000 χ^2/NDF: 3451641312.2/24

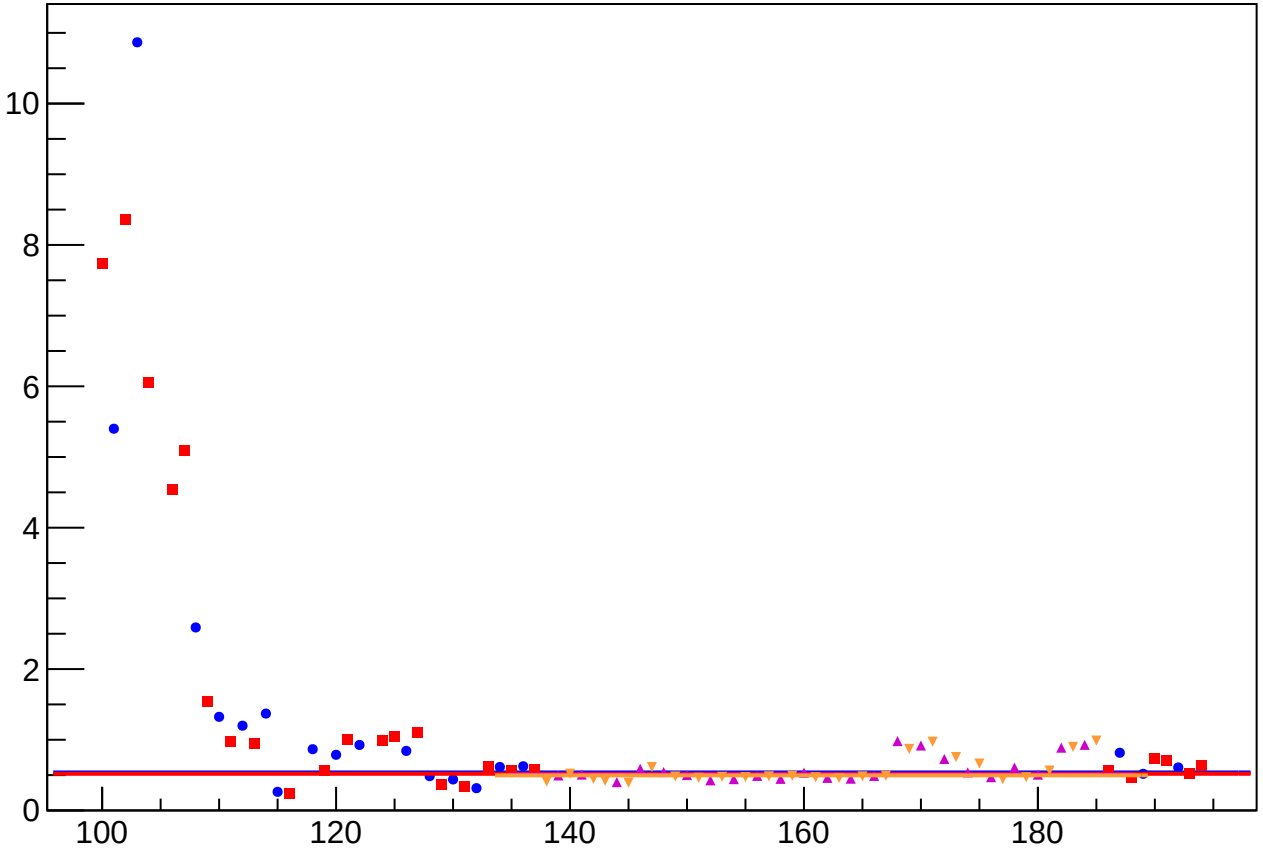
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 134.149+/-0.000 χ^2/NDF: 2581927973.6/43

All: 133.453+/-0.000 χ^2/NDF: 7029416736.6

- sign 132.760+/-0.000 χ^2/NDF: 4366239205.7/47

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: 0.519+/-0.000 χ^2/NDF: 5033008.8/24

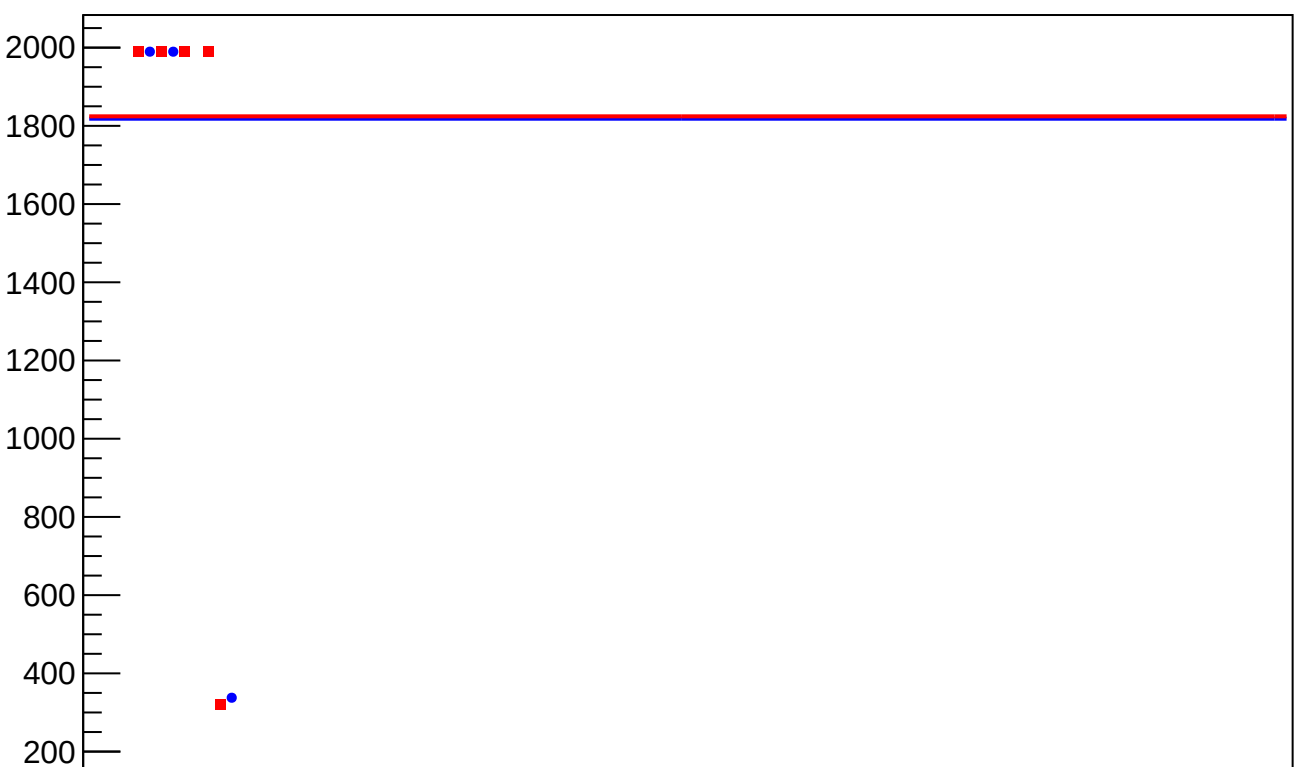
Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.505+/-0.000 χ^2/NDF: 5819438.5/43

All: 0.509+/-0.000 χ^2/NDF: 12344894.7/91

- sign 0.512+/-0.000 χ^2/NDF: 6521359.7/47

yield_cav4dQ_mean vs Slug



Right In: 1818.265+/-0.000 χ^2/NDF: 166732634077573.8/18

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1824.343+/-0.000 χ^2/NDF: 190728321819294.1/24

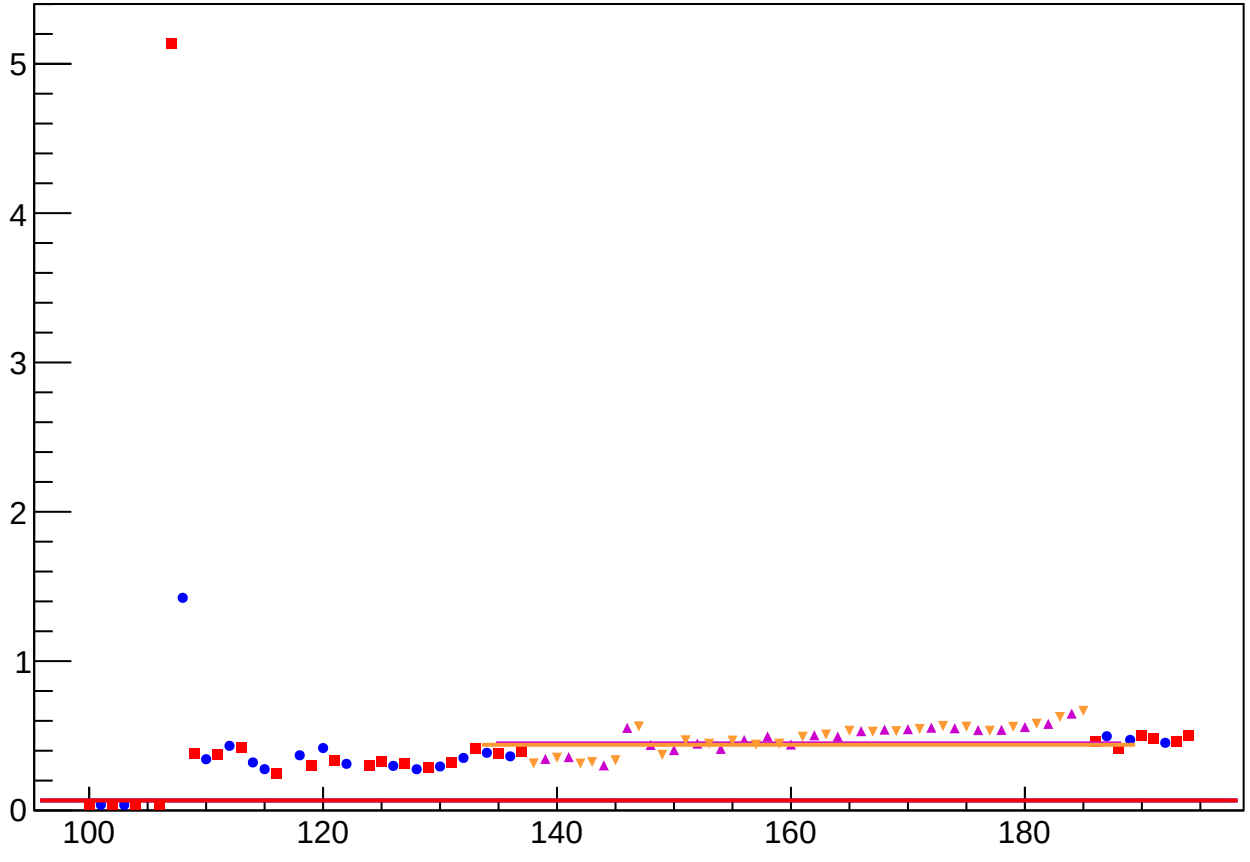
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1585.537+/-0.000 χ^2/NDF: 3926780482132

All: 1613.375+/-0.000 χ^2/NDF: 799222855

- sign 1637.704+/-0.000 χ^2/NDF: 40557108072955

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

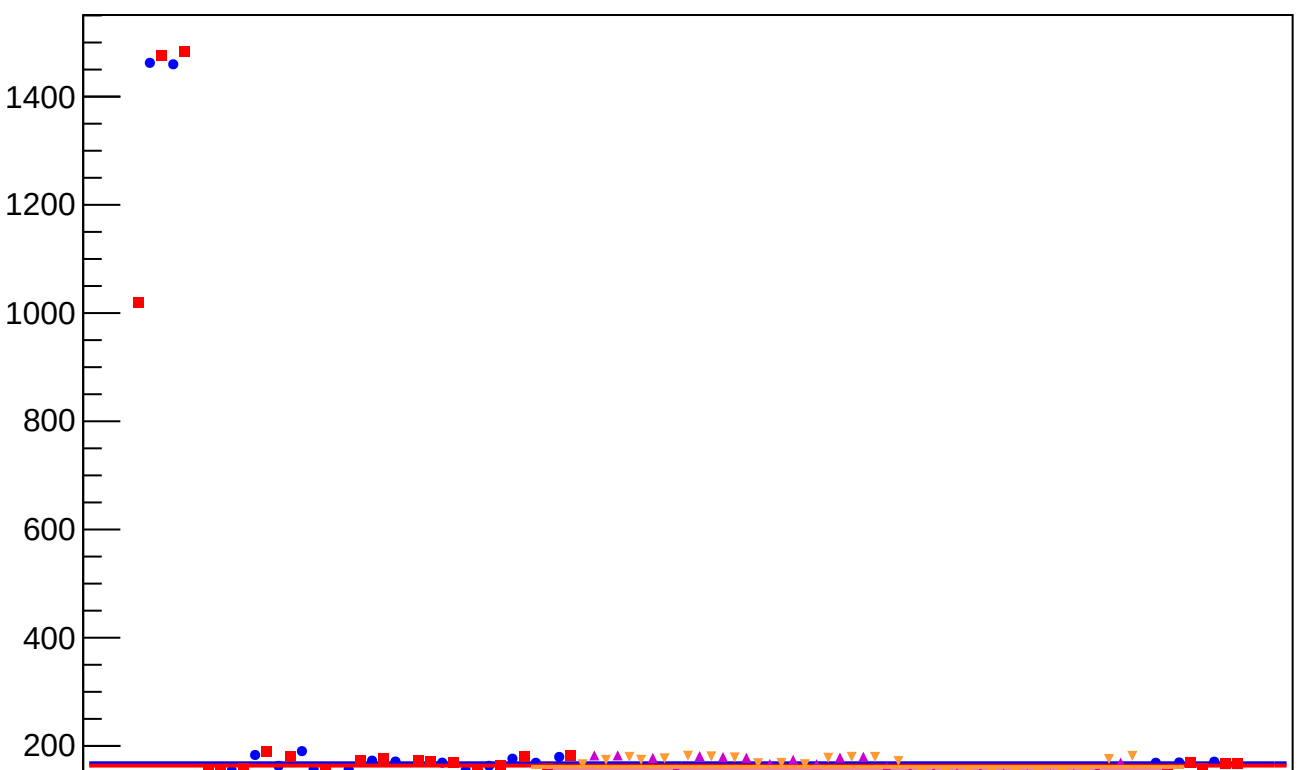
Right Out: 0.067+/-0.000 χ^2/NDF: 12994502.1/24

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.118+/-0.000 χ^2/NDF: 34490471.8/43

All: 0.114+/-0.000 χ^2/NDF: 70949749.8/91

- sign 0.109+/-0.000 χ^2/NDF: 36398902.5/47



Right In: 167.914+/-0.000 χ^2/NDF: 14631492301.1/18

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 163.723+/-0.000 χ^2/NDF: 17353275534.9/24

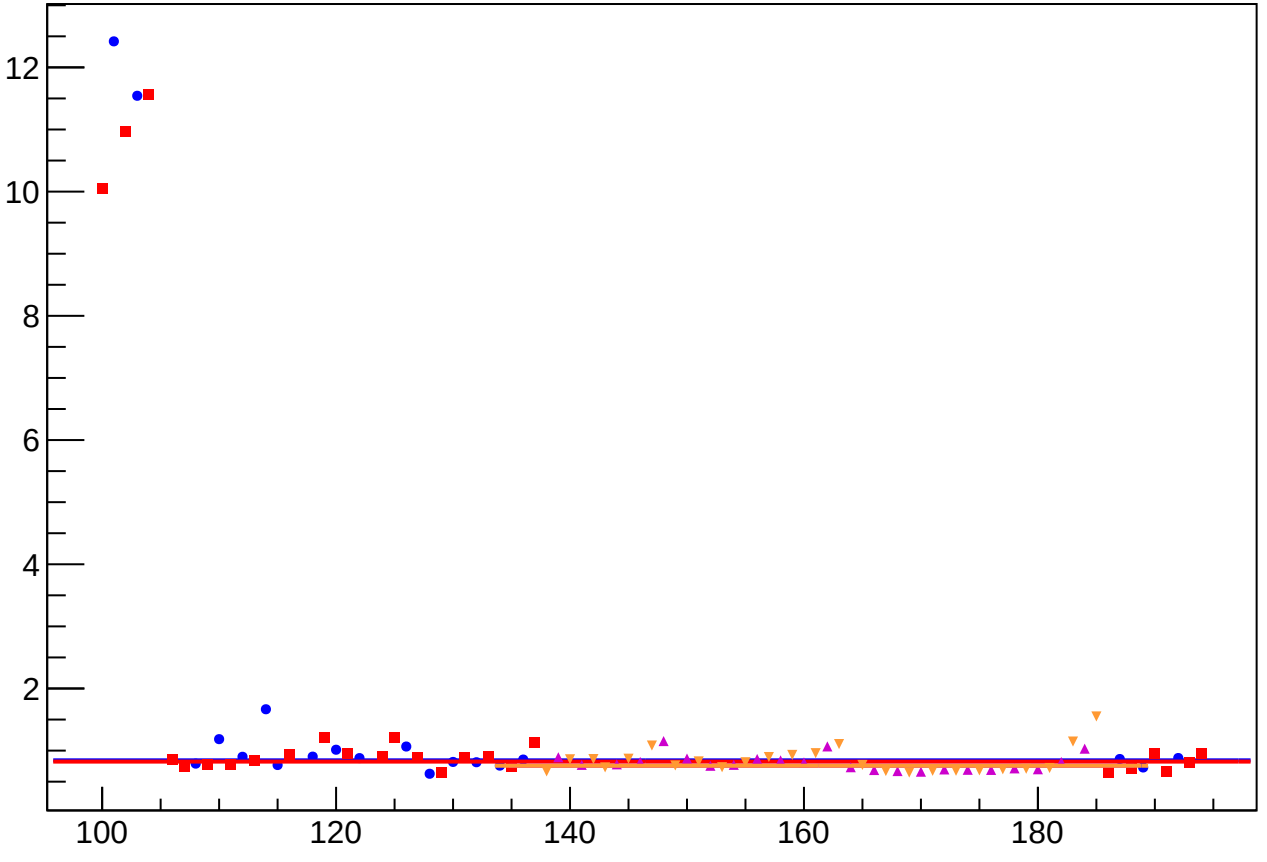
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 162.708+/-0.000 χ^2/NDF: 18629432353.1/43

All: 161.942+/-0.000 χ^2/NDF: 39848640428.

- sign 161.218+/-0.000 χ^2/NDF: 21182838919.1/47

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

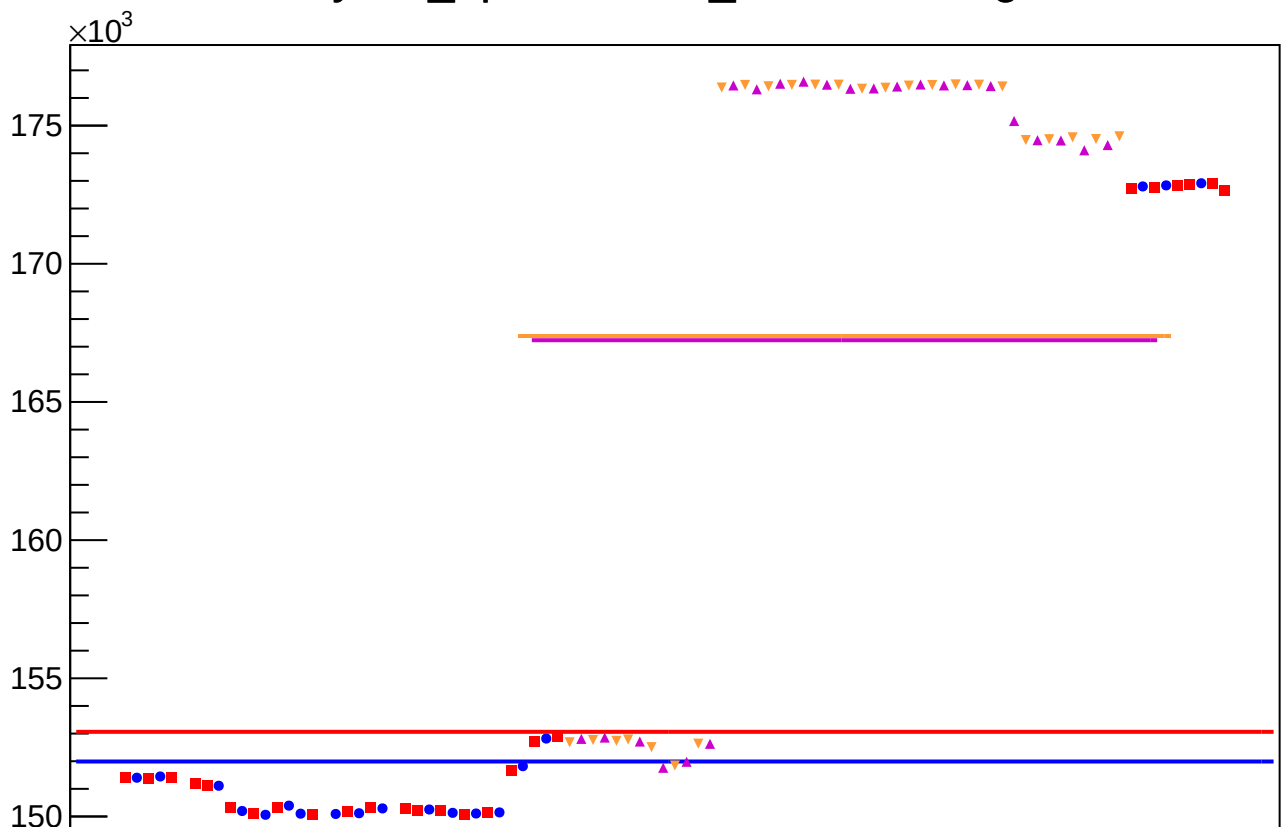
Right Out: 0.823+/-0.000 χ^2/NDF: 2371684.3/24

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.776+/-0.000 χ^2/NDF: 3164238.4/43

All: 0.776+/-0.000 χ^2/NDF: 6073594.0/91

- sign 0.776+/-0.000 χ^2/NDF: 2909341.9/47



Right In: 151989.740+/-0.053 χ^2/NDF: 10866852208.0/18

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153063.735+/-0.048 χ^2/NDF: 21581237330.1/24

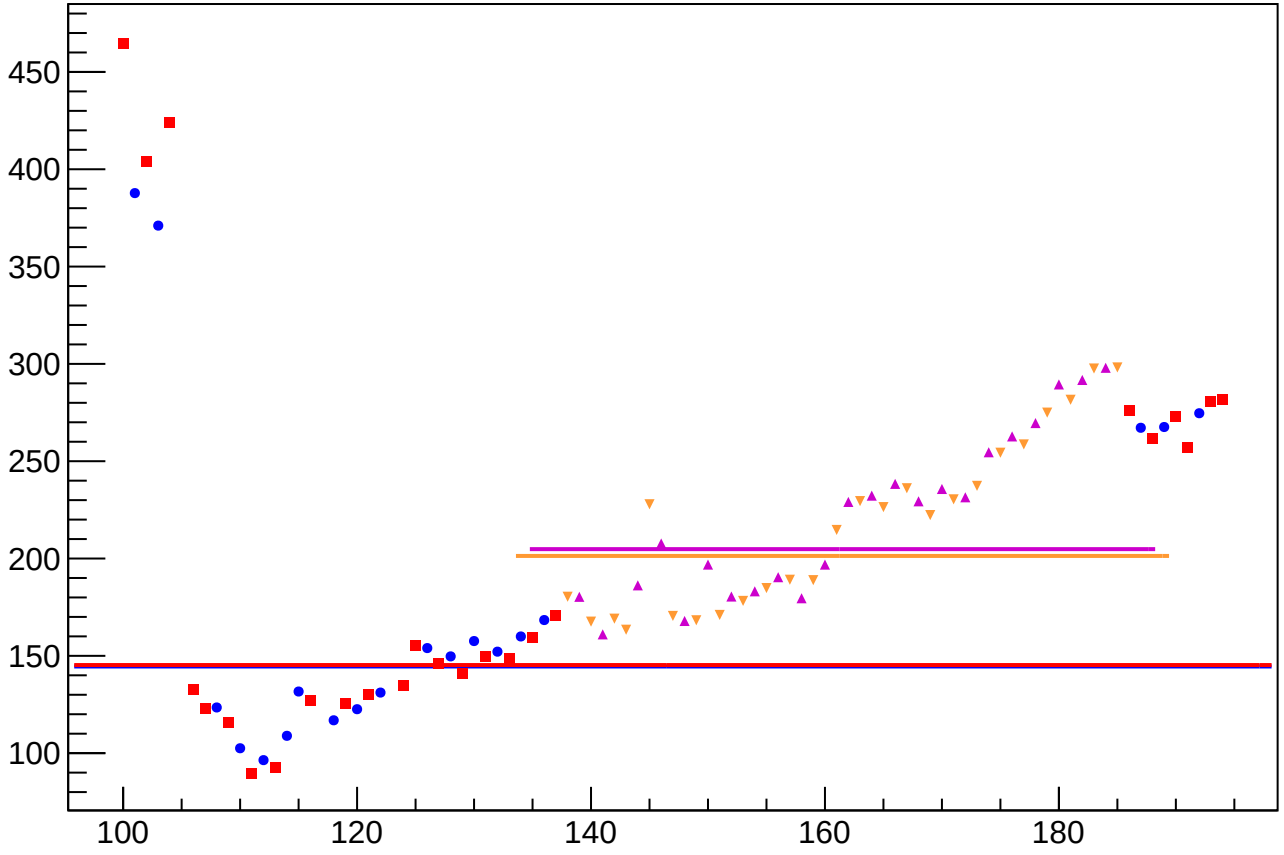
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160628.762+/-0.035 χ^2/NDF: 11810146421

All: 160320.488+/-0.024 χ^2/NDF: 2377060

- sign 160025.335+/-0.034 χ^2/NDF: 119452834445

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: 145.267+/-0.034 χ^2/NDF: 3401488.3/24

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 176.404+/-0.025 χ^2/NDF: 4729565.3/43

All: 175.445+/-0.017 χ^2/NDF: 10698290.3/91

- sign 174.527+/-0.024 χ^2/NDF: 5965788.4/47

Right In: 149814.480+/-0.067 χ^2/NDF: 10063686322.2/18

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 41878.284+/-0.035 χ^2/NDF: 4746472266469.2/24

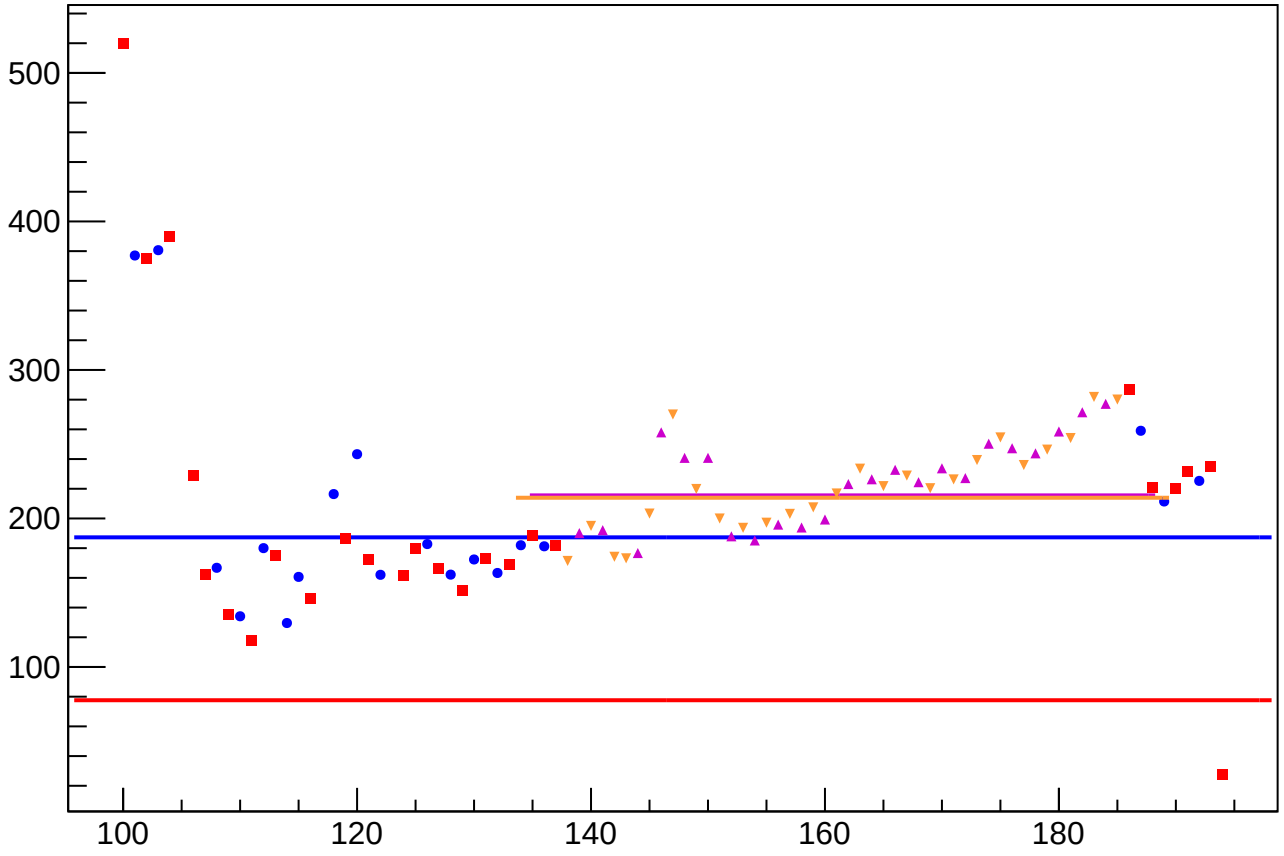
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 146872.049+/-0.040 χ^2/NDF: 26755182251.

All: 99104.790+/-0.023 χ^2/NDF: 976537069

- sign 74222.610+/-0.029 χ^2/NDF: 7541164405627

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

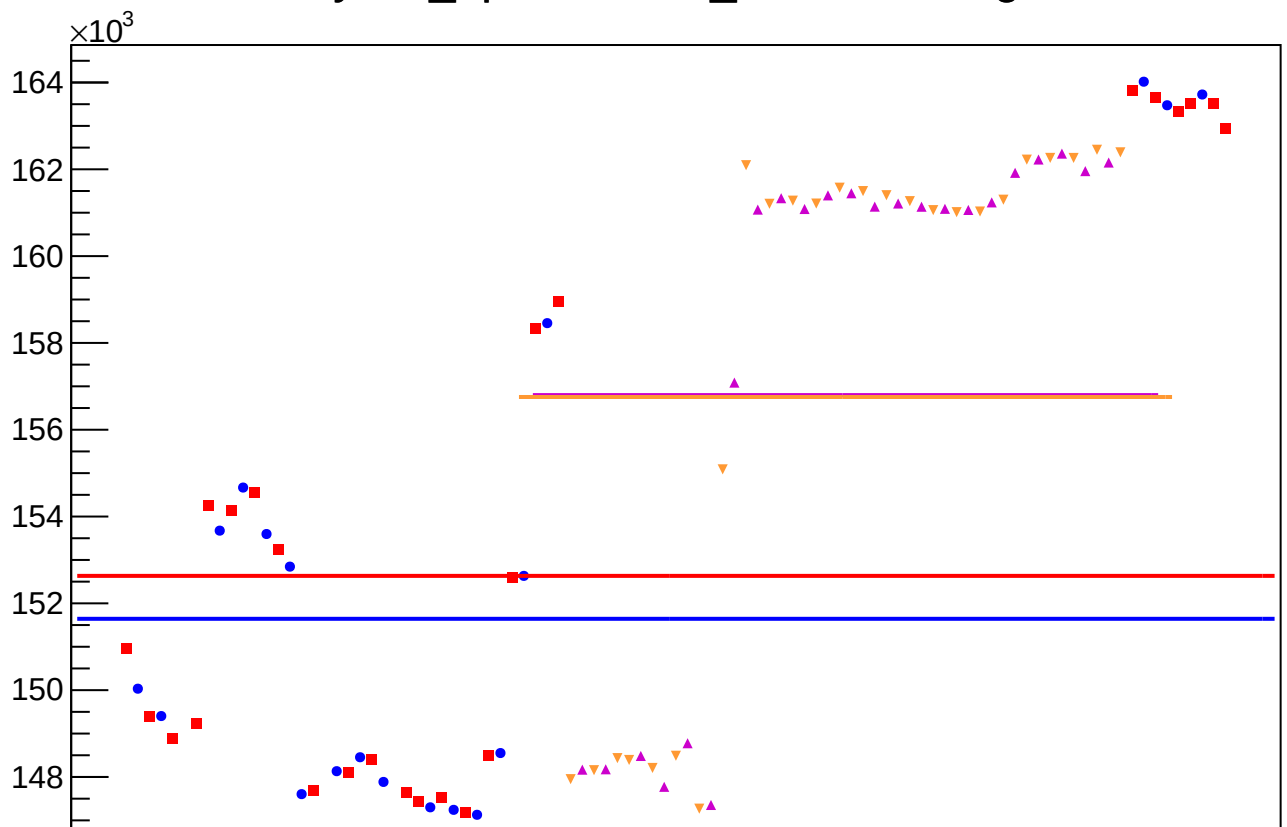
Right Out: 77.603+/-0.024 χ^2/NDF: 10023479.0/24

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 204.550+/-0.028 χ^2/NDF: 1875833.7/43

All: 149.537+/-0.016 χ^2/NDF: 28289072.7/91

- sign 120.881+/-0.020 χ^2/NDF: 20583878.6/47



Right In: 151643.834+/-0.061 χ^2/NDF: 6263423125.6/18

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 152632.975+/-0.056 χ^2/NDF: 8849342749.8/24

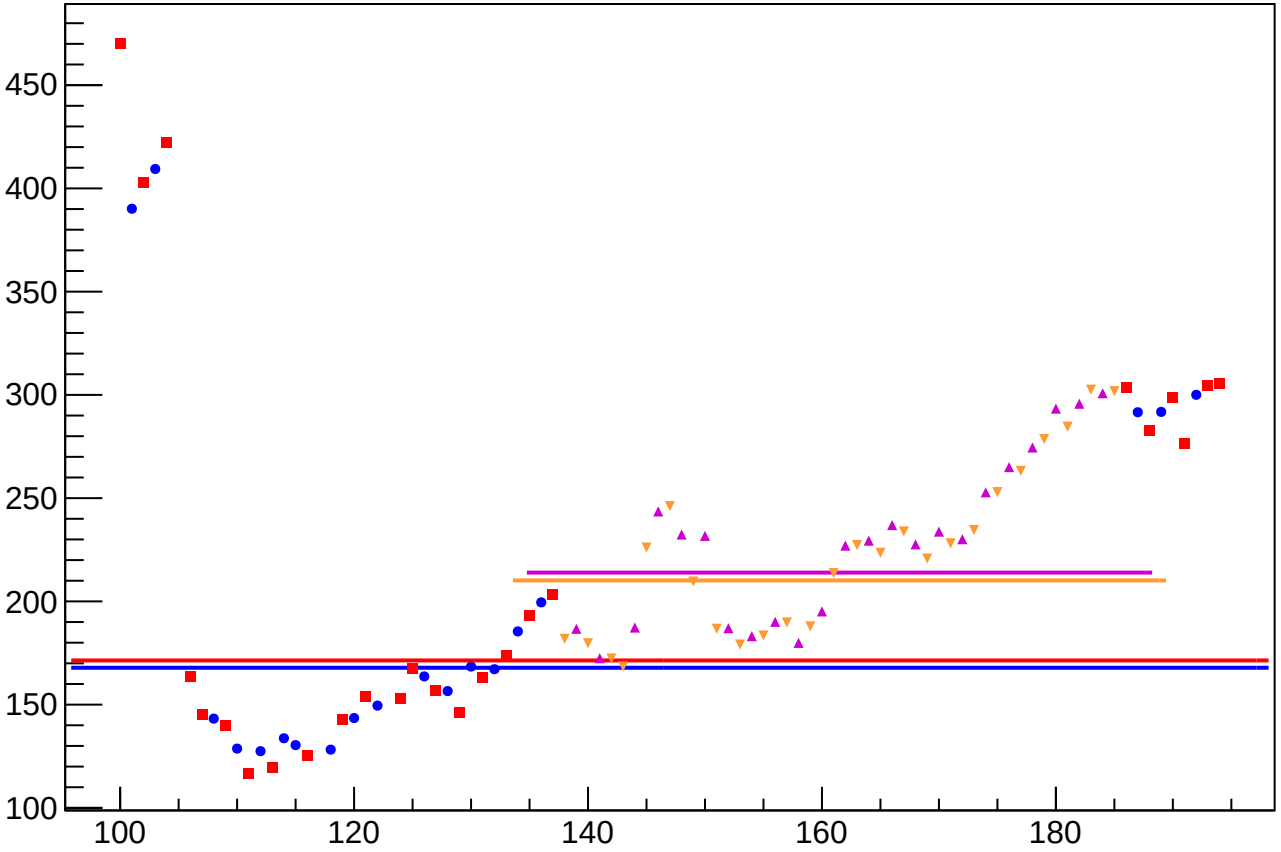
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 154753.803+/-0.038 χ^2/NDF: 26965446035.

All: 154833.565+/-0.027 χ^2/NDF: 53193100

- sign 154912.272+/-0.038 χ^2/NDF: 26218874583.2

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

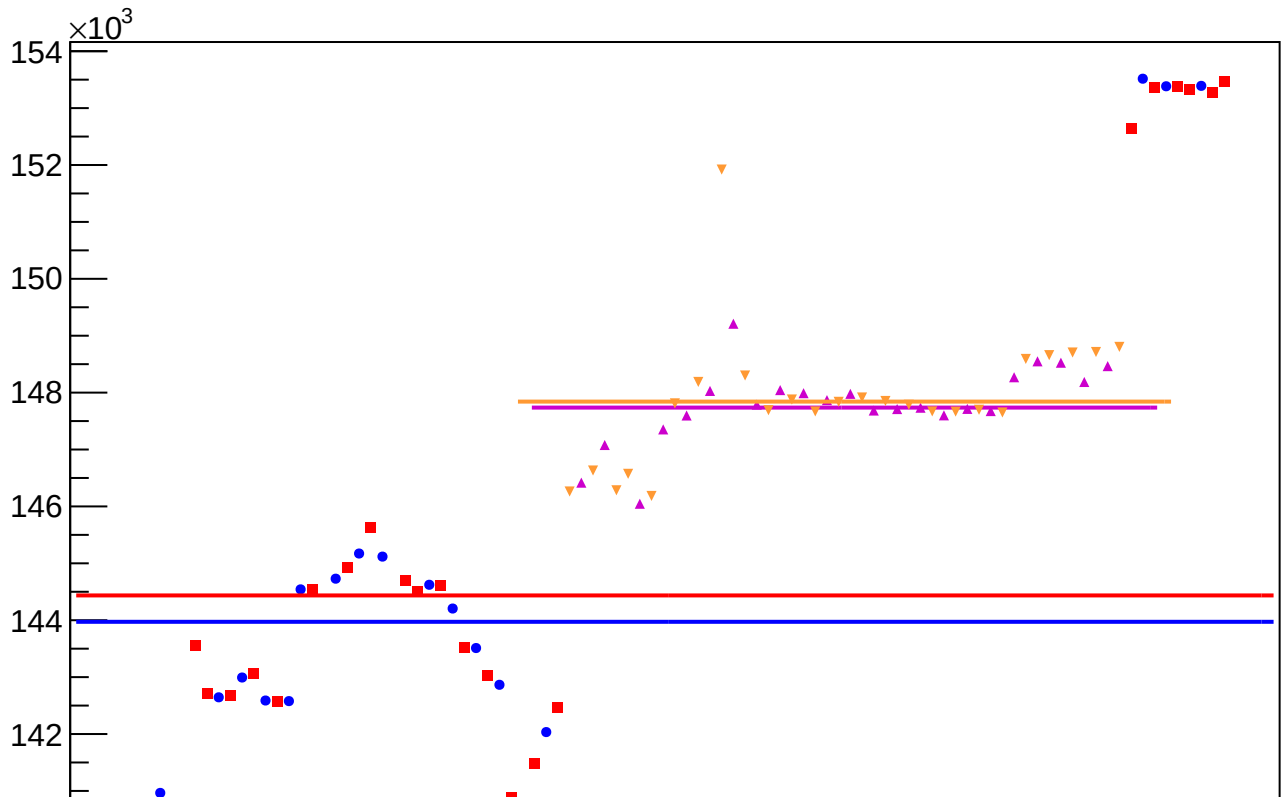
Right Out: 171.404+/-0.040 χ^2/NDF: 2744486.7/24

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 193.592+/-0.027 χ^2/NDF: 3465408.7/43

All: 194.142+/-0.019 χ^2/NDF: 7756455.5/91

- sign 194.684+/-0.027 χ^2/NDF: 4290212.9/47



Right In: 143972.217+/-0.051 χ^2/NDF: 2890930434.2/18

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 144435.743+/-0.047 χ^2/NDF: 5274961661.6/24

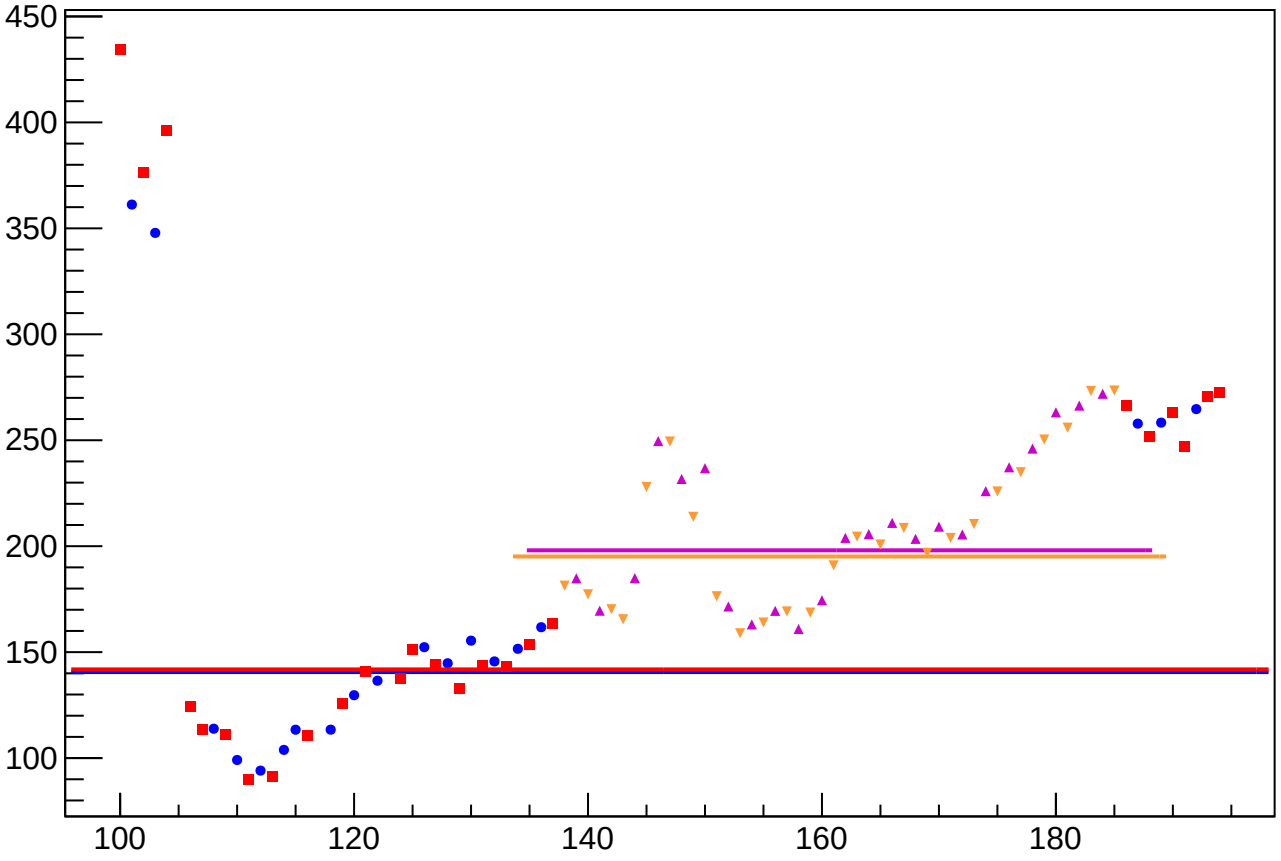
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 146156.602+/-0.034 χ^2/NDF: 6806603209.7

All: 146113.209+/-0.024 χ^2/NDF: 14780846

- sign 146071.568+/-0.033 χ^2/NDF: 7971034101.2/

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

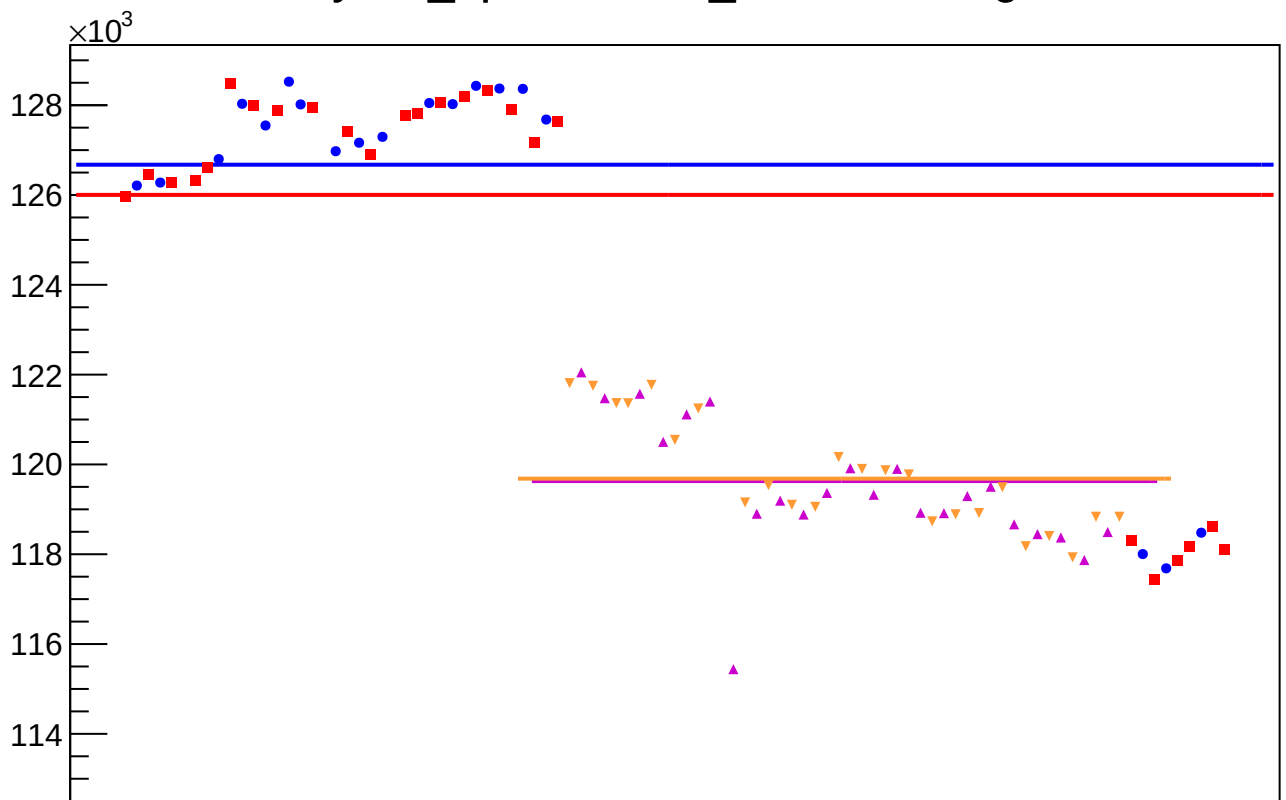
Right Out: 141.857+/-0.033 χ^2/NDF: 3284716.1/24

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 171.386+/-0.024 χ^2/NDF: 4327257.9/43

All: 170.529+/-0.017 χ^2/NDF: 9946132.8/91

- sign 169.707+/-0.023 χ^2/NDF: 5616374.2/47



Right In: 126674.949+/-0.055 χ^2/NDF: 2993308723.3/18

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 126002.884+/-0.050 χ^2/NDF: 5713871965.1/24

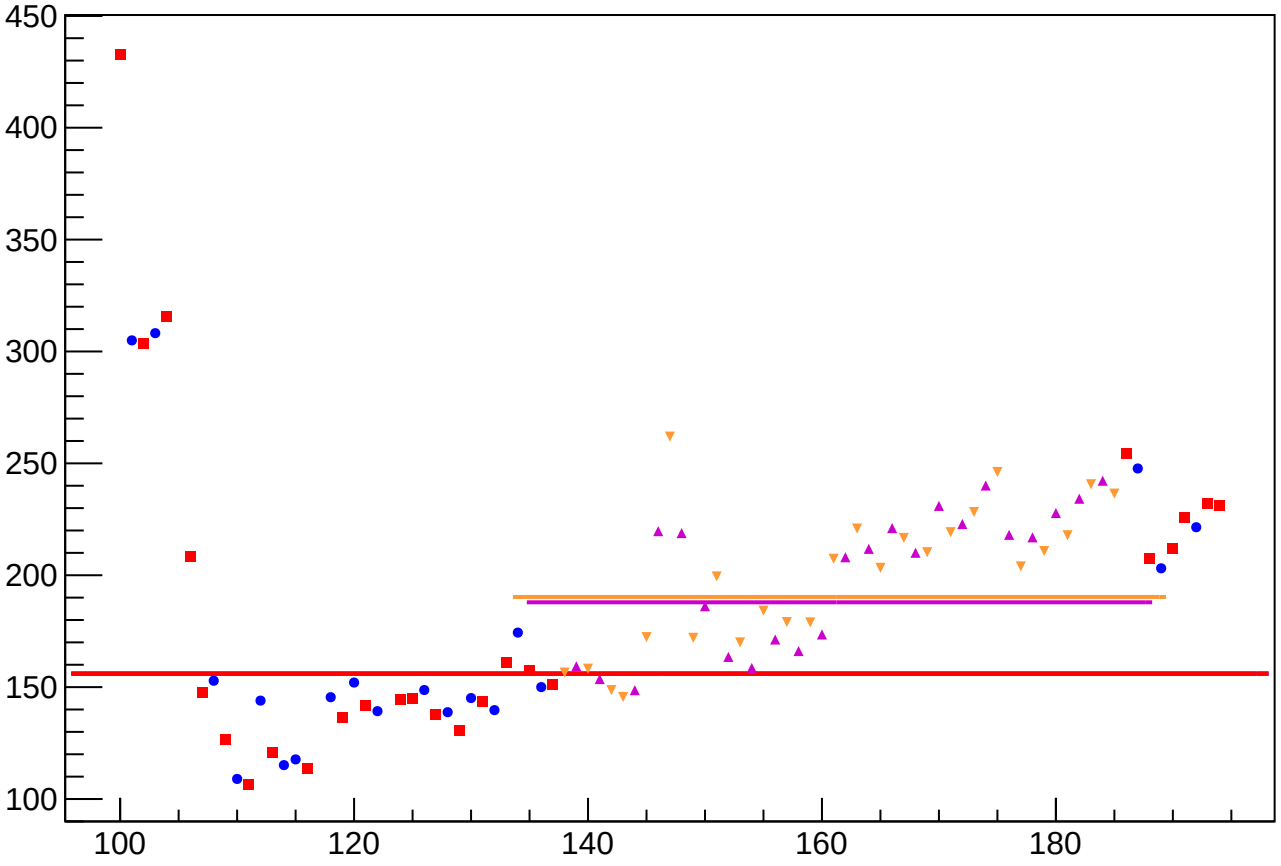
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 122421.190+/-0.035 χ^2/NDF: 14748062450.

All: 122458.814+/-0.024 χ^2/NDF: 30802038

- sign 122493.980+/-0.033 χ^2/NDF: 16051644041.3

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

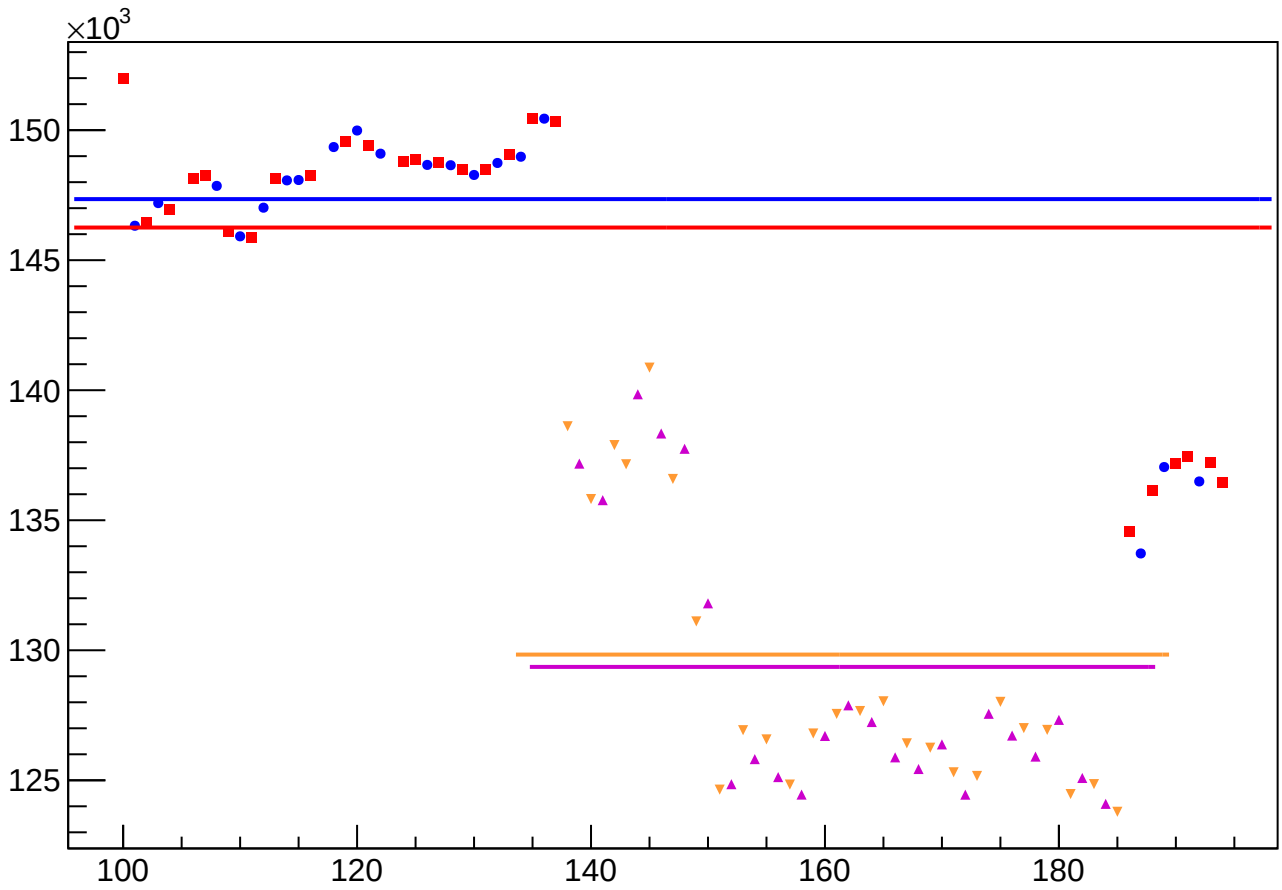
Right Out: 156.207+/-0.035 χ^2/NDF: 1830026.7/24

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 176.855+/-0.024 χ^2/NDF: 2530119.9/43

All: 175.204+/-0.017 χ^2/NDF: 5741404.6/91

- sign 173.661+/-0.024 χ^2/NDF: 3202436.6/47



Right In: 147348.381+/-0.078 χ^2/NDF: 2355204873.1/18

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 146255.444+/-0.070 χ^2/NDF: 4408435138.1/24

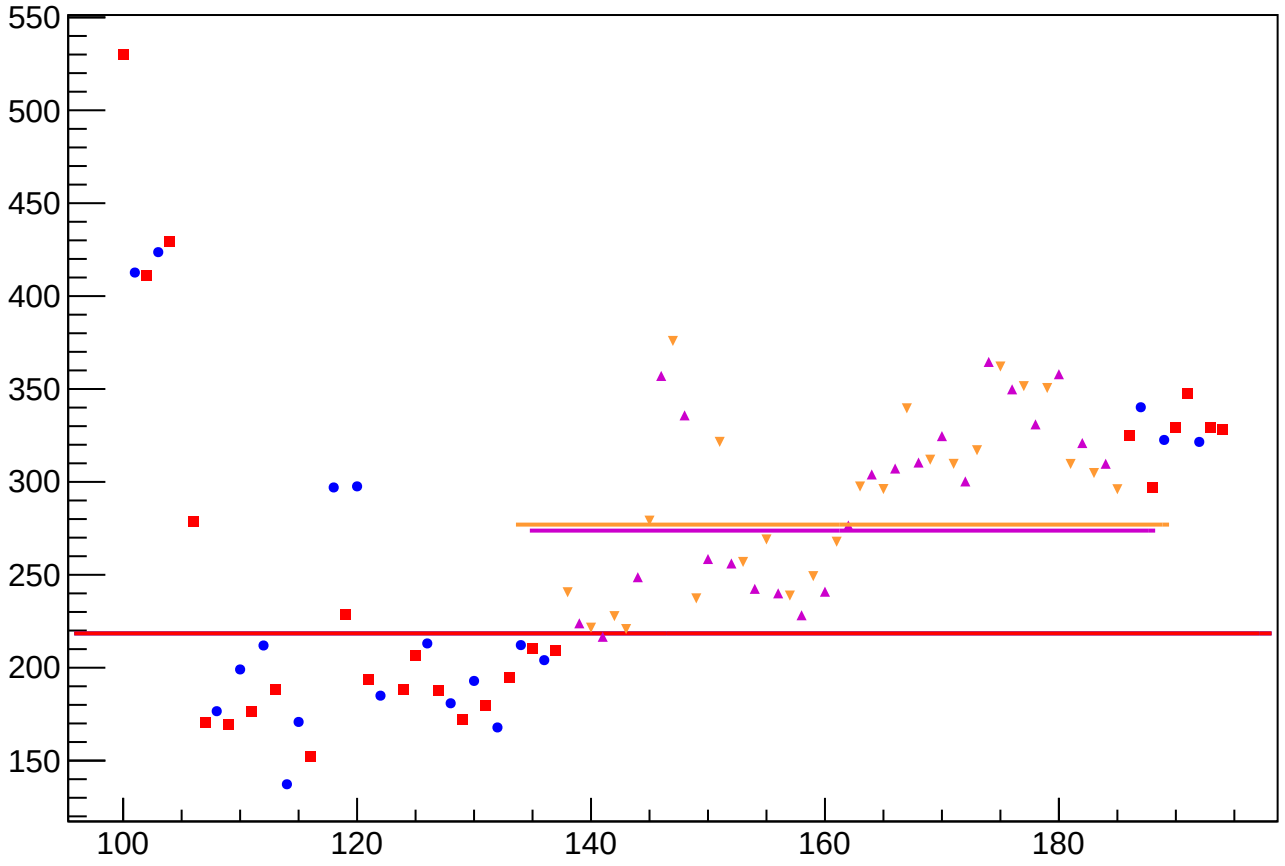
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136922.742+/-0.050 χ^2/NDF: 39270058222.

All: 137097.314+/-0.034 χ^2/NDF: 81573293

- sign 137259.138+/-0.048 χ^2/NDF: 42279299454.

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

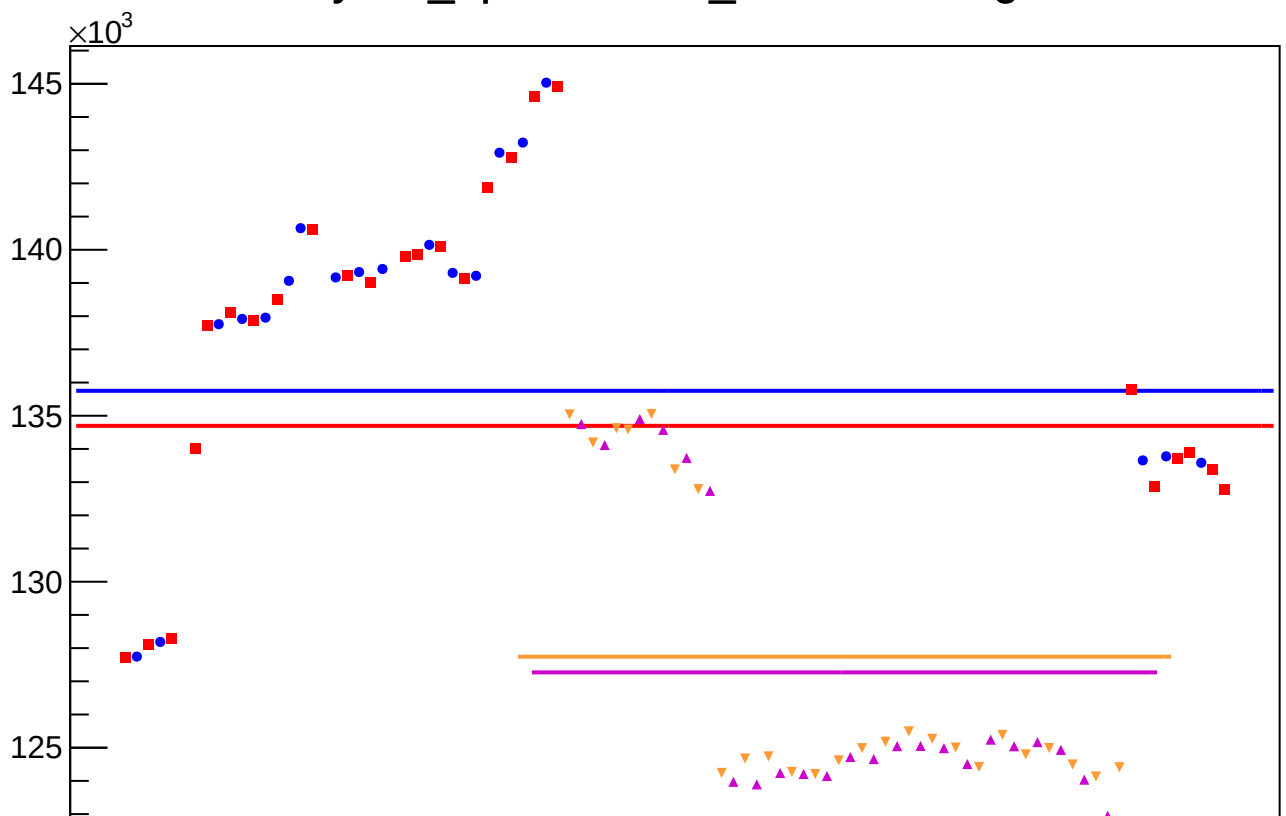
Right Out: 218.471+/-0.049 χ^2/NDF: 1791860.6/24

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 253.321+/-0.035 χ^2/NDF: 2986709.7/43

All: 250.520+/-0.024 χ^2/NDF: 6464622.8/91

- sign 247.924+/-0.034 χ^2/NDF: 3465593.4/47



Right In: 135751.830+/-0.147 χ^2/NDF: 1641209359.3/18

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 134696.369+/-0.131 χ^2/NDF: 1272887824.8/24

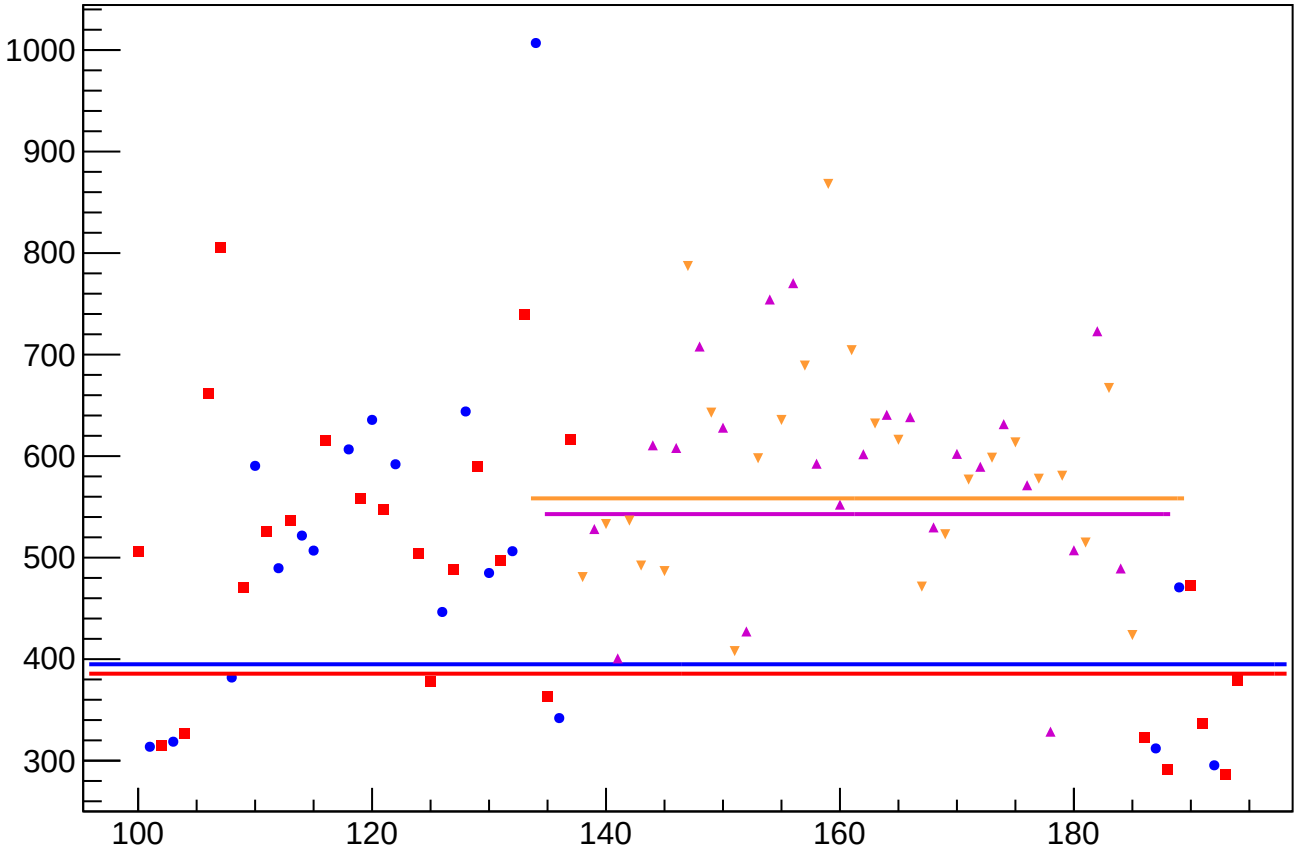
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131412.877+/-0.100 χ^2/NDF: 4333948219.3

All: 131303.196+/-0.069 χ^2/NDF: 81021284

- sign 131203.684+/-0.095 χ^2/NDF: 3765875577.3/

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

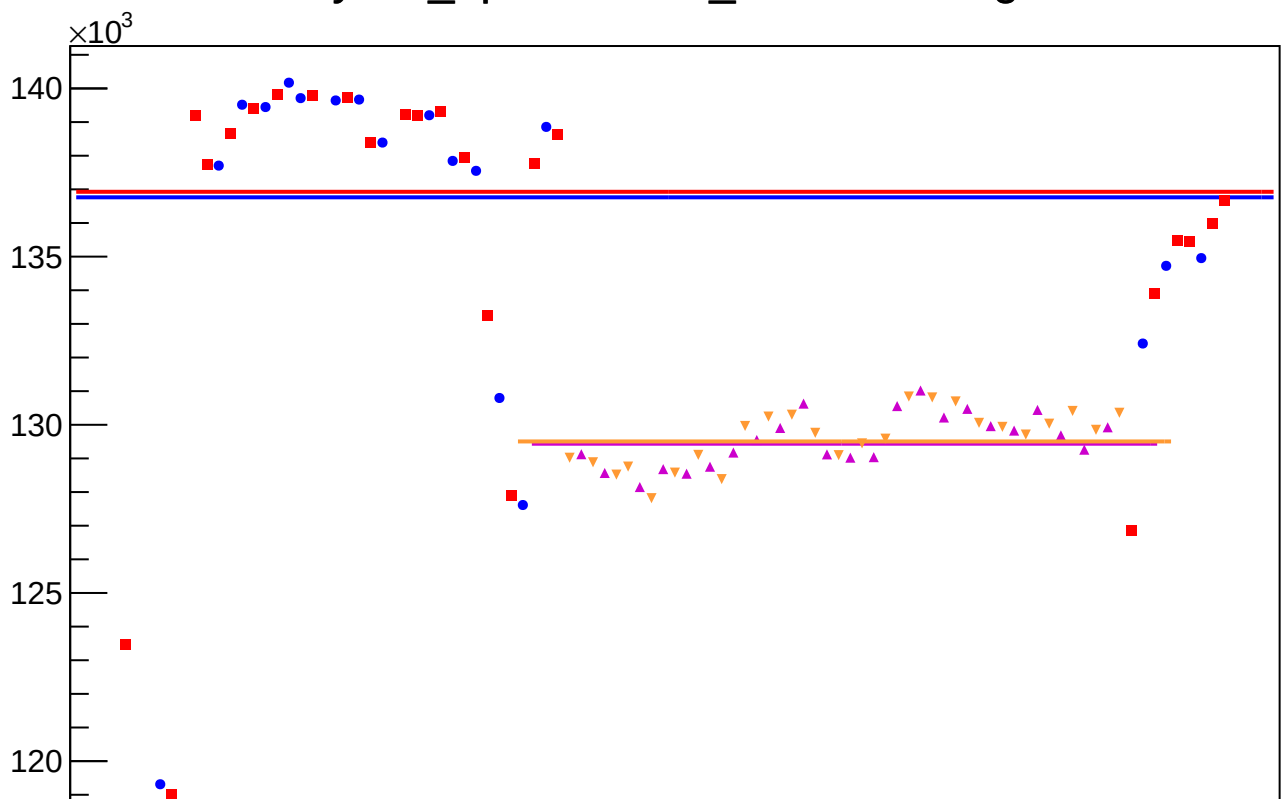
Right Out: 385.681+/-0.092 χ^2/NDF: 1453832.3/24

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 483.470+/-0.071 χ^2/NDF: 3551986.5/43

All: 470.952+/-0.049 χ^2/NDF: 7845428.9/91

- sign 459.595+/-0.067 χ^2/NDF: 4233403.4/47



Right In: 136763.091+/-0.067 χ^2/NDF: 5914293644.0/18

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136927.462+/-0.061 χ^2/NDF: 6294495539.0/24

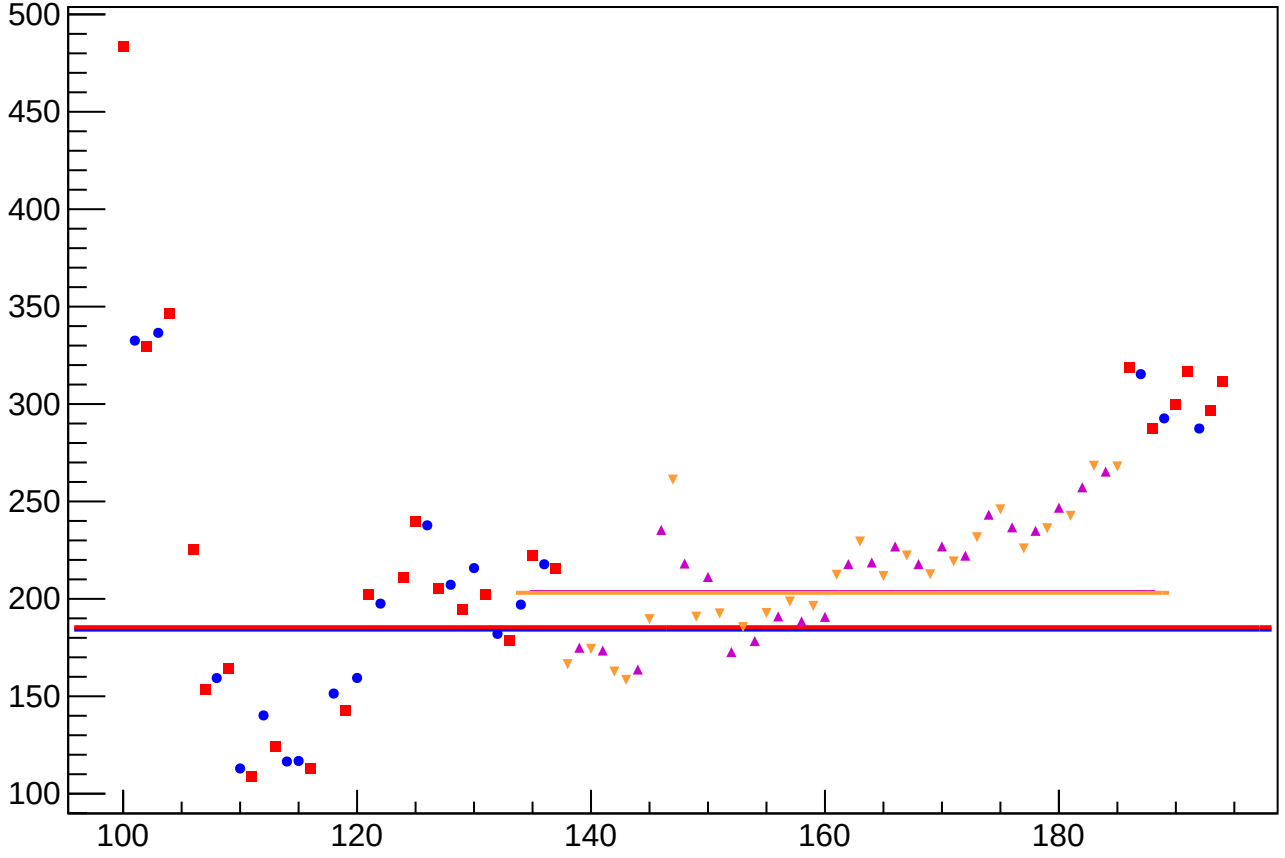
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 131916.678+/-0.038 χ^2/NDF: 14138964620.

All: 132137.718+/-0.027 χ^2/NDF: 30075739

- sign 132352.447+/-0.038 χ^2/NDF: 15871464394.2

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

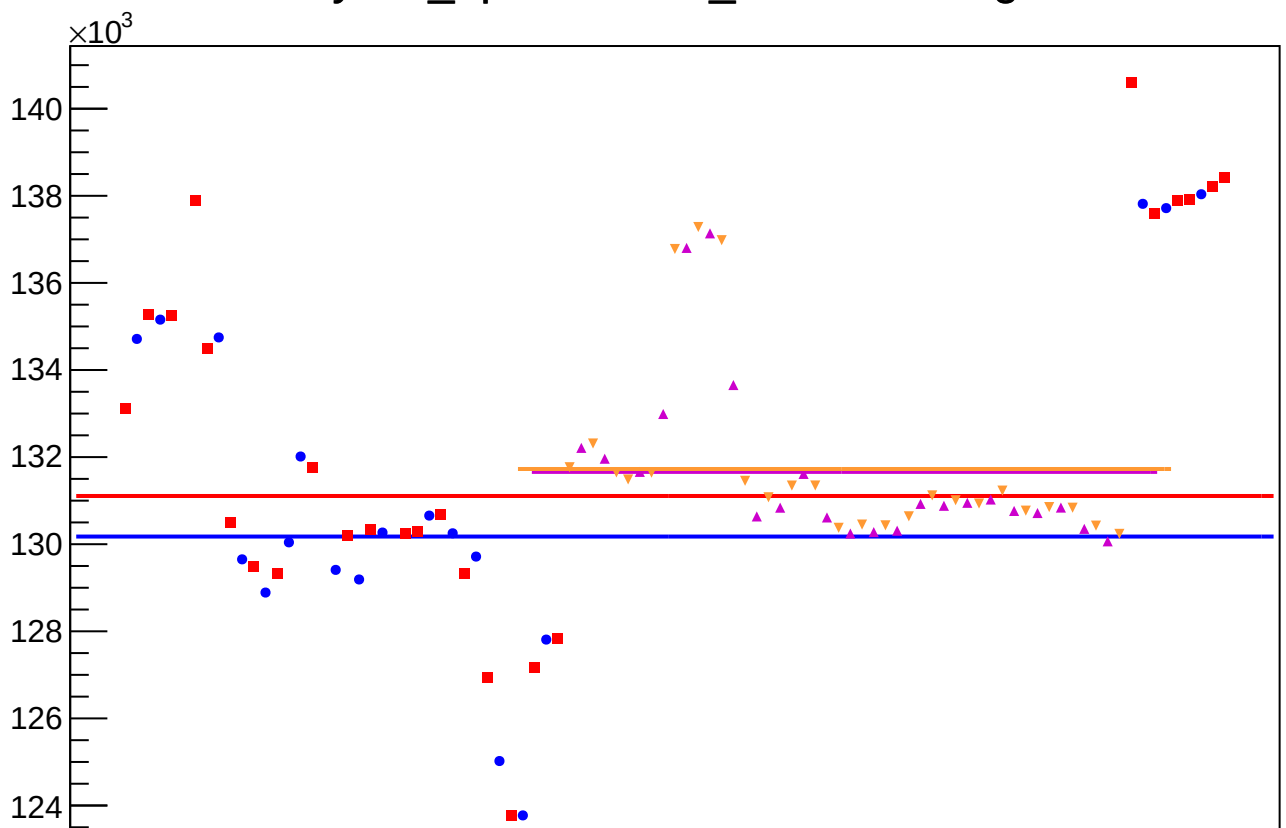
Right Out: 185.465+/-0.043 χ^2/NDF: 2682191.9/24

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 196.849+/-0.027 χ^2/NDF: 2552965.5/43

All: 196.677+/-0.019 χ^2/NDF: 6009775.6/91

- sign 196.509+/-0.027 χ^2/NDF: 3456730.7/47



Right In: 130175.828+/-0.063 χ^2/NDF: 3361671215.8/18

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 131107.232+/-0.056 χ^2/NDF: 4969382583.1/24

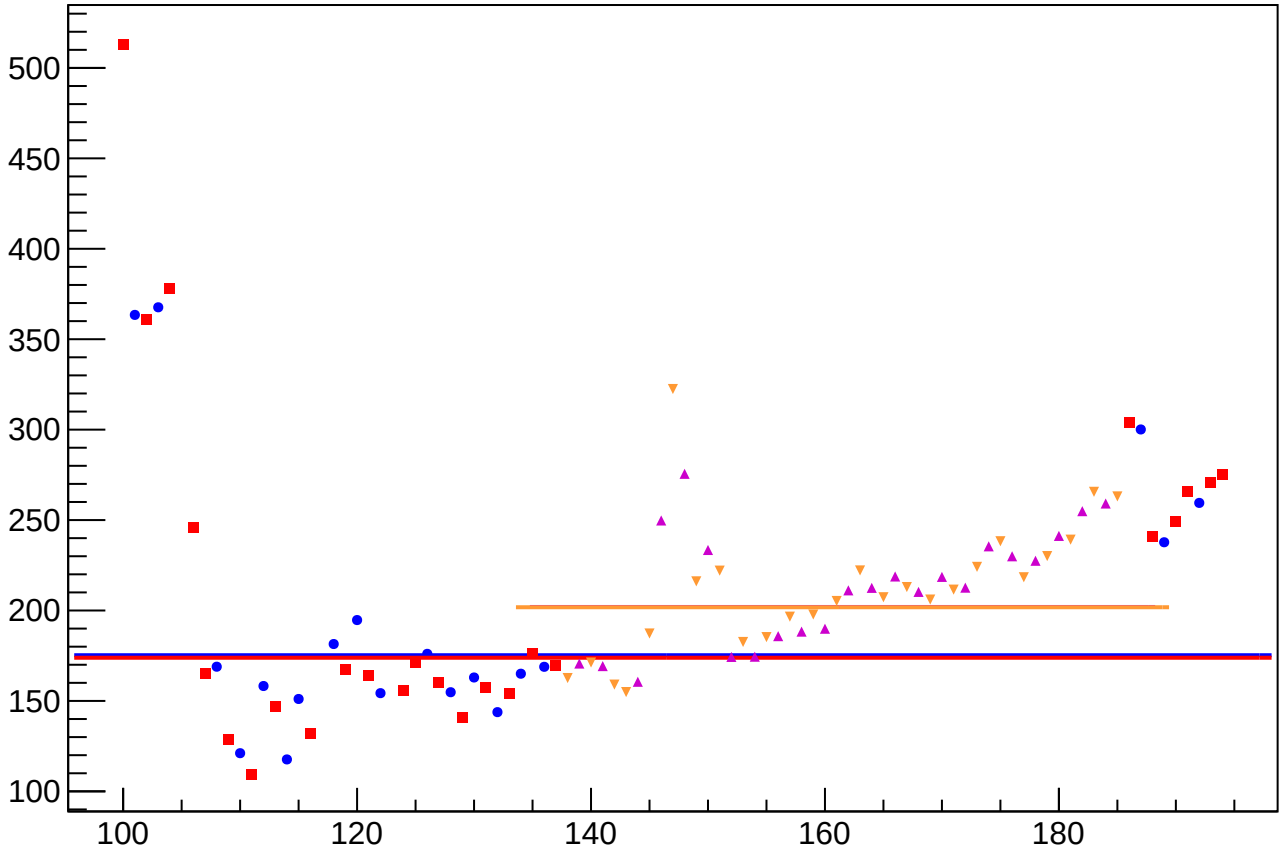
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 131171.992+/-0.038 χ^2/NDF: 5179107304.6

All: 131302.427+/-0.026 χ^2/NDF: 11392290

- sign 131426.331+/-0.037 χ^2/NDF: 6189580419.6/

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

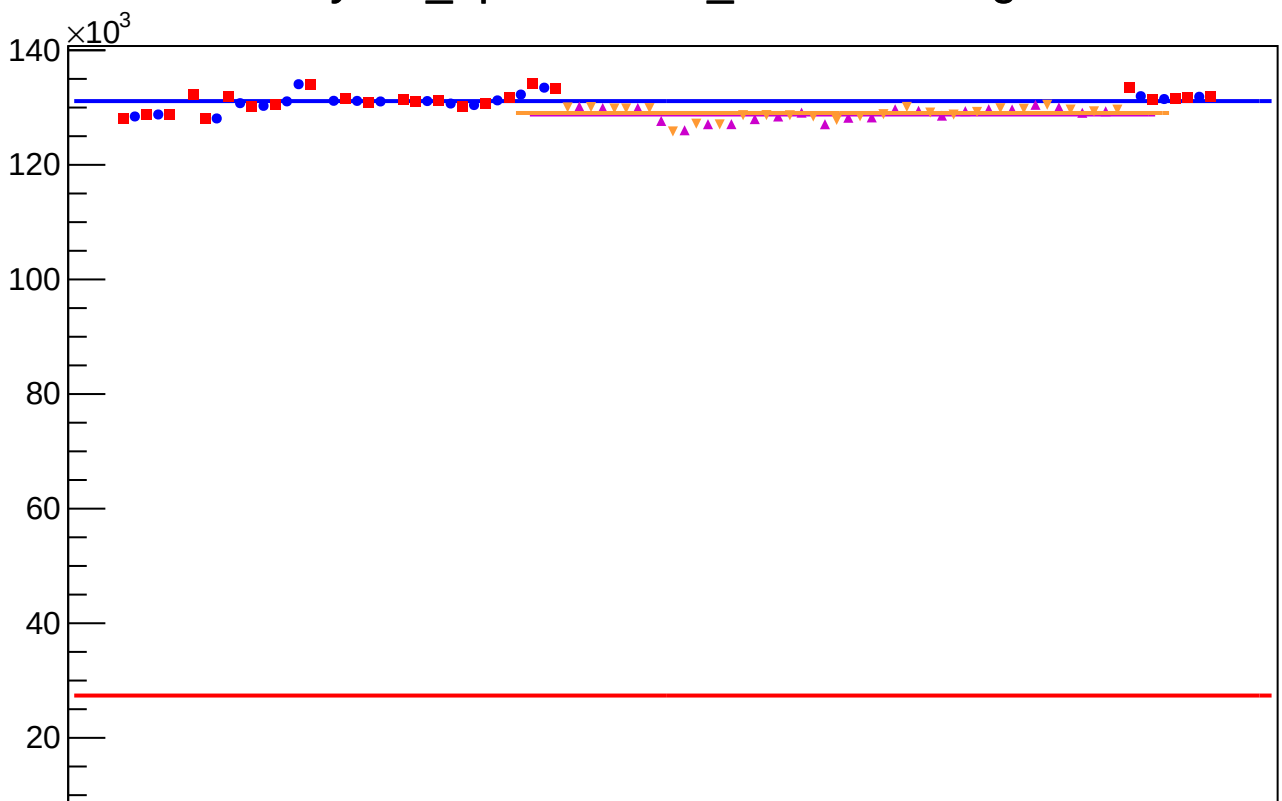
Right Out: 173.879+/-0.040 χ^2/NDF: 2196394.0/24

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 192.305+/-0.027 χ^2/NDF: 2449076.7/43

All: 191.158+/-0.019 χ^2/NDF: 5739133.1/91

- sign 190.068+/-0.026 χ^2/NDF: 3286411.5/47



Right In: 131125.303+/-0.057 χ^2/NDF: 538734775.0/18

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 27383.105+/-0.023 χ^2/NDF: 4781367050563.7/24

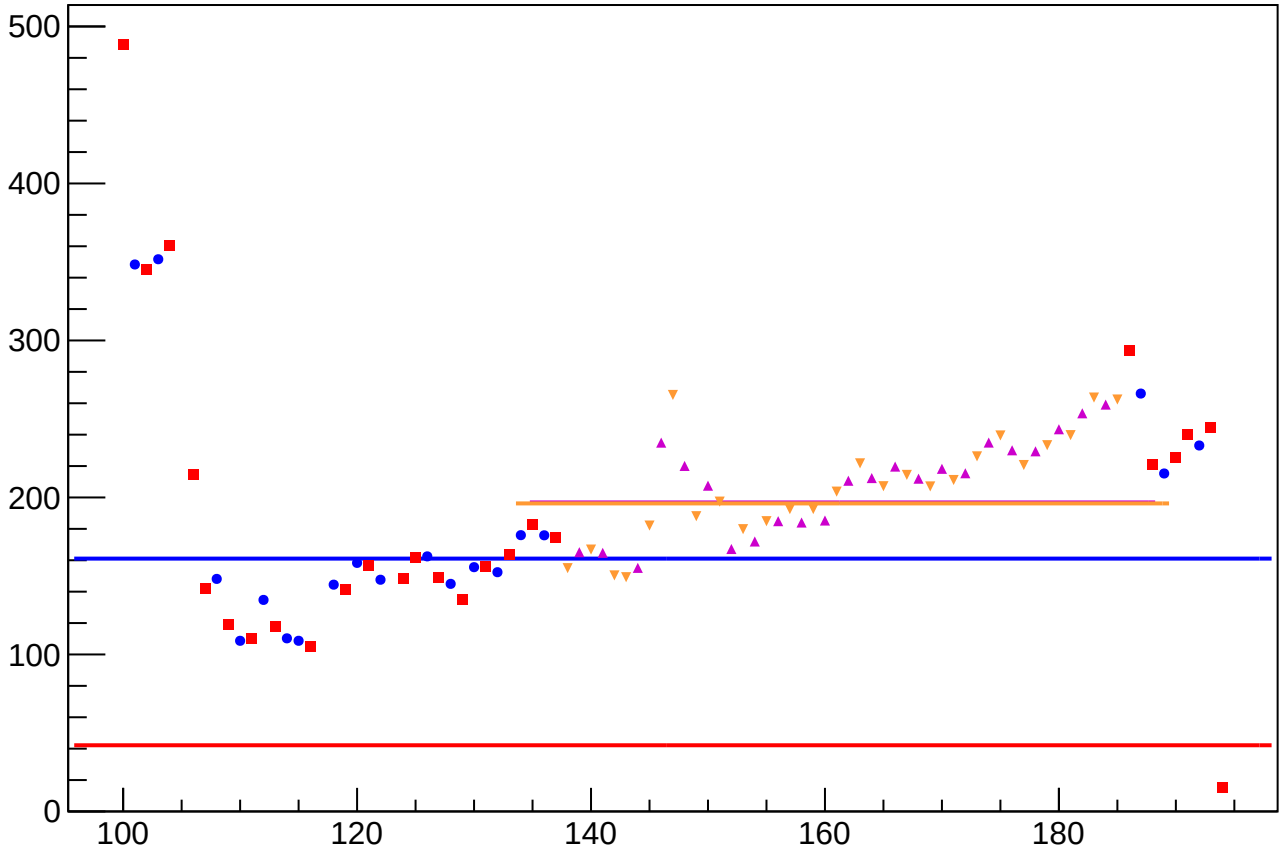
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 129851.371+/-0.036 χ^2/NDF: 1872611361.0

All: 67686.094+/-0.018 χ^2/NDF: 126140982

- sign 46936.753+/-0.021 χ^2/NDF: 8555633182077.

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

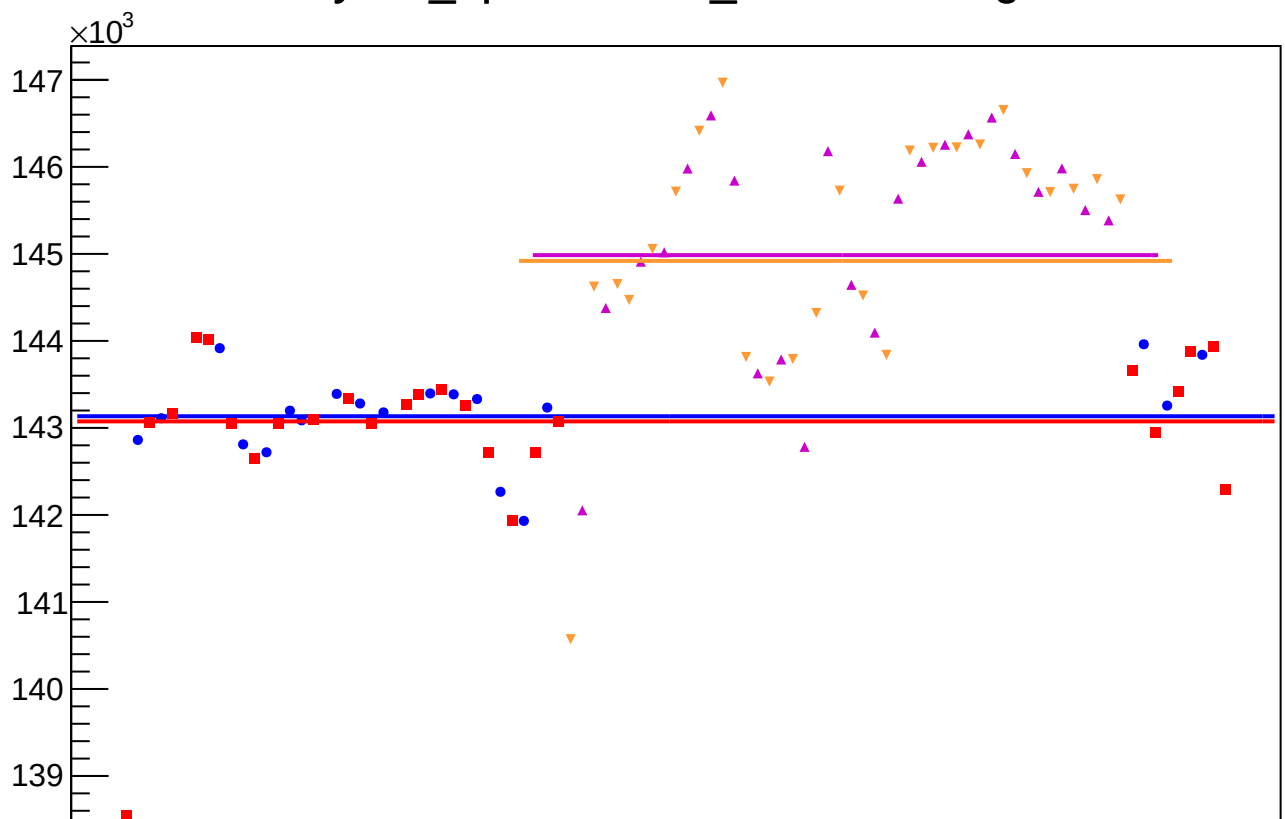
Right Out: 42.163+/-0.016 χ^2/NDF: 13670387.3/24

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 182.635+/-0.025 χ^2/NDF: 2788187.4/43

All: 99.679+/-0.013 χ^2/NDF: 49240421.0/91

- sign 71.990+/-0.015 χ^2/NDF: 32004821.2/47



Right In: 143134.186+/-0.062 χ^2/NDF: 54937533.1/18

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143075.188+/-0.056 χ^2/NDF: 68783441.6/24

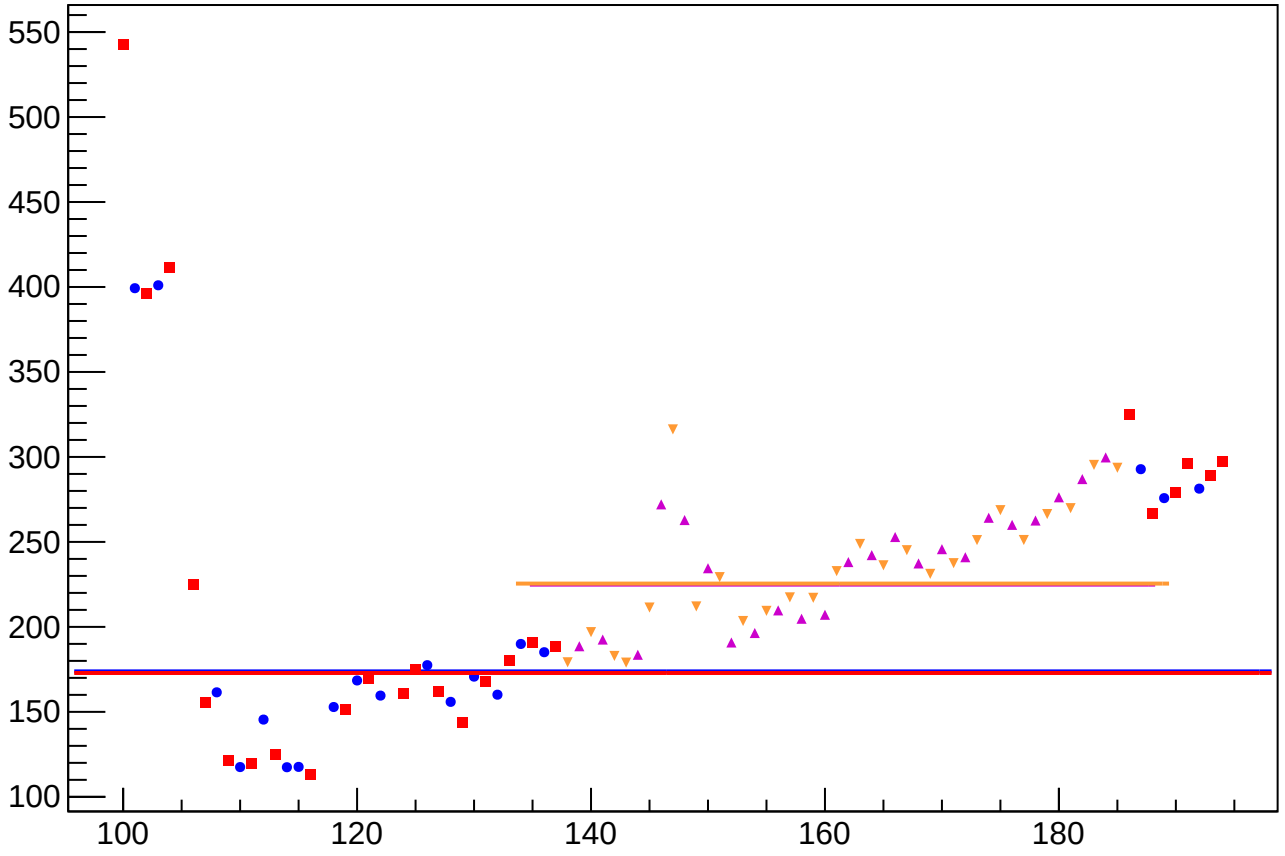
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144183.008+/-0.040 χ^2/NDF: 1372382214.7

All: 144128.788+/-0.028 χ^2/NDF: 26677013

- sign 144077.824+/-0.039 χ^2/NDF: 1291760565.8/

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: 172.883+/-0.040 χ^2/NDF: 2711861.0/24

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 204.167+/-0.028 χ^2/NDF: 3244166.8/43

All: 202.105+/-0.020 χ^2/NDF: 7584945.3/91

- sign 200.166+/-0.027 χ^2/NDF: 4330484.9/47

Right In: 145989.648+/-0.063 χ^2/NDF: 116458854.4/18

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: 11623.422+/-0.017 χ^2/NDF: 5889069182574.4/24

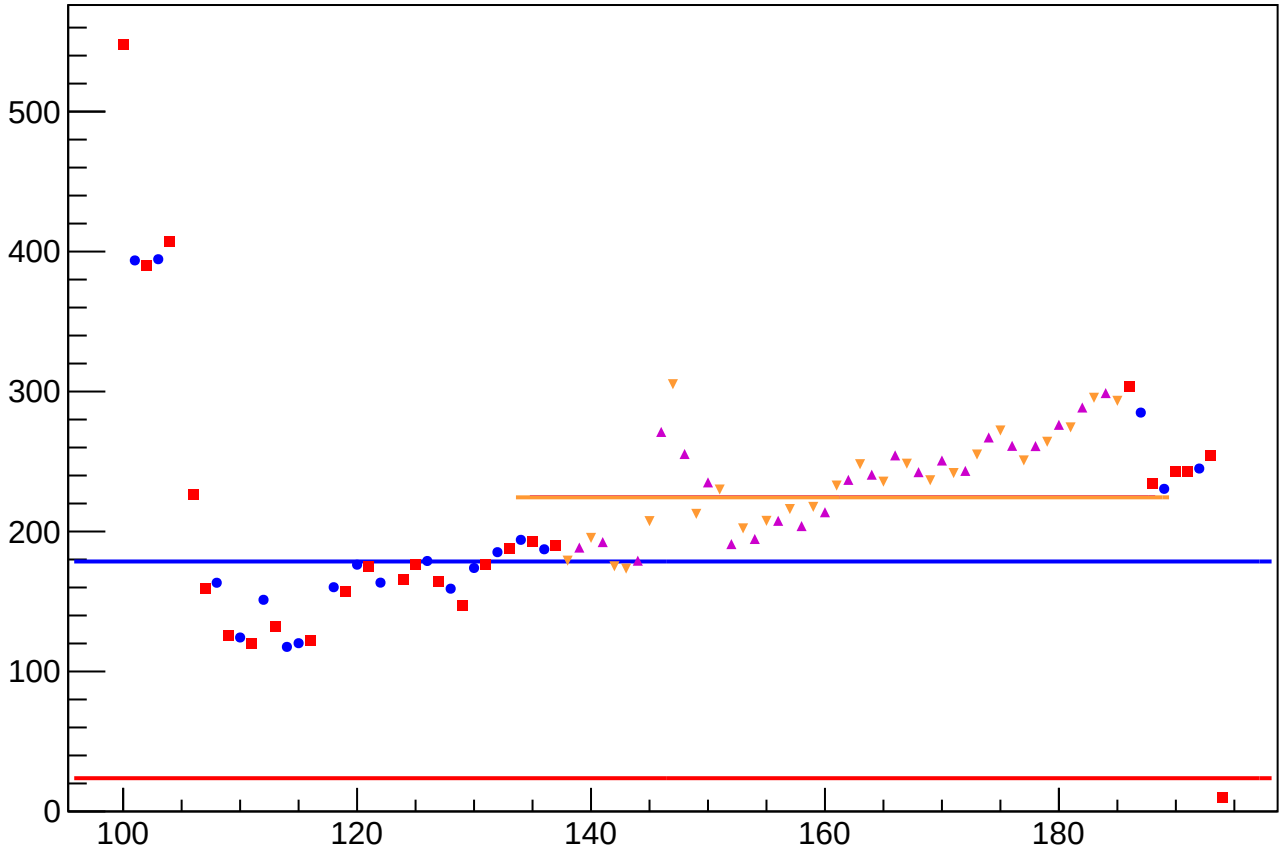
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 146021.333+/-0.040 χ^2/NDF: 999581192.7/4

All: 40124.094+/-0.015 χ^2/NDF: 196534799

- sign 23512.998+/-0.016 χ^2/NDF: 1163210051429

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: 23.757+/-0.012 χ^2/NDF: 16375066.6/24

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 205.987+/-0.028 χ^2/NDF: 2808507.7/43

All: 63.824+/-0.010 χ^2/NDF: 74497304.5/91

- sign 41.525+/-0.011 χ^2/NDF: 42780135.6/47

Right In: 141457.090+/-0.065 χ^2/NDF: 171651415.8/18

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: 24702.597+/-0.026 χ^2/NDF: 4688547745638.5/24

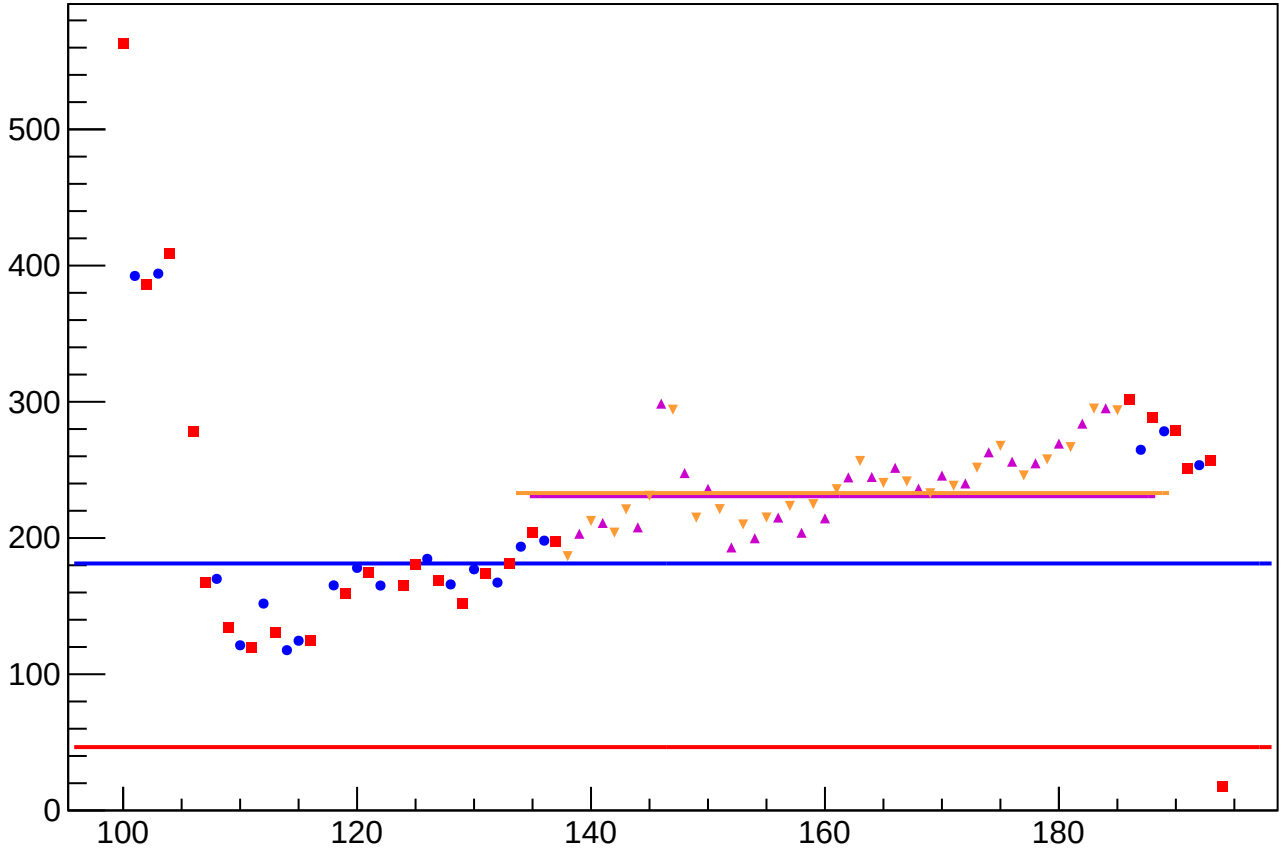
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign 142599.705+/-0.041 χ^2/NDF: 1482784446.9/

All: 68920.347+/-0.020 χ^2/NDF: 127105081

- sign 45806.301+/-0.023 χ^2/NDF: 8529565324351

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

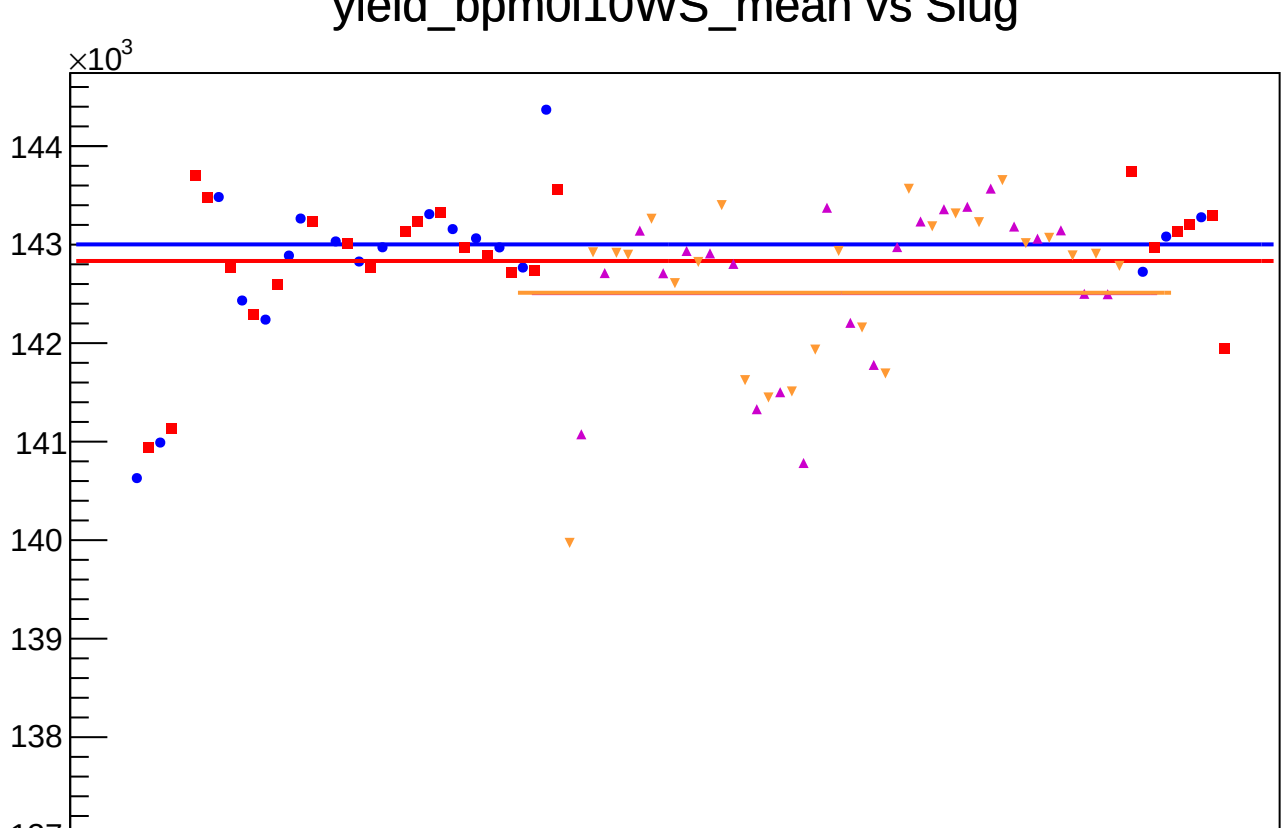
Right Out: 46.503+/-0.018 χ^2/NDF: 13796880.2/24

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 211.918+/-0.029 χ^2/NDF: 2629260.5/43

All: 110.969+/-0.014 χ^2/NDF: 51180922.6/91

- sign 79.300+/-0.016 χ^2/NDF: 32860050.1/47



Right In: 143002.230+/-0.065 χ^2/NDF: 109085731.5/18

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142833.923+/-0.058 χ^2/NDF: 79829432.5/24

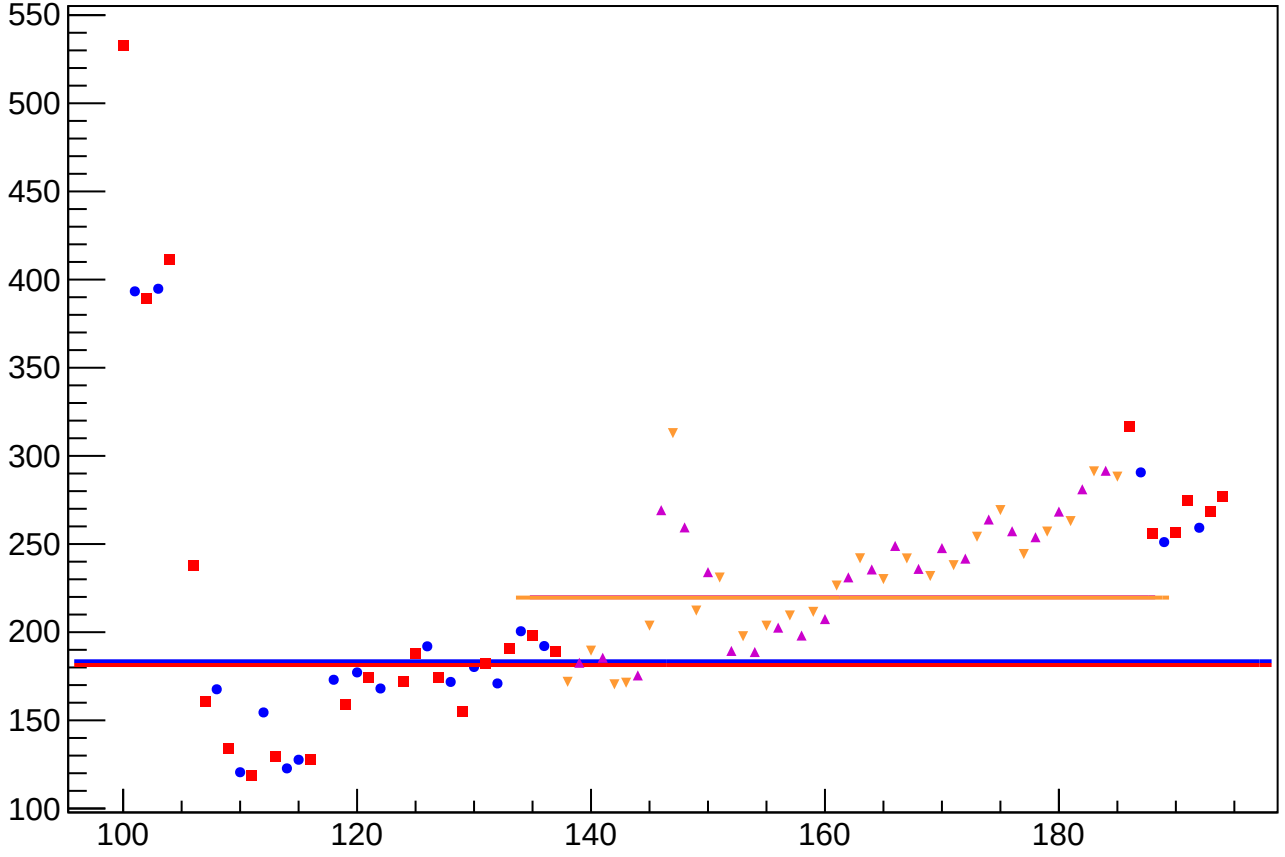
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142696.792+/-0.040 χ^2/NDF: 482300829.8/4

All: 142674.321+/-0.028 χ^2/NDF: 84931105

- sign 142653.117+/-0.039 χ^2/NDF: 366401435.8/4

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

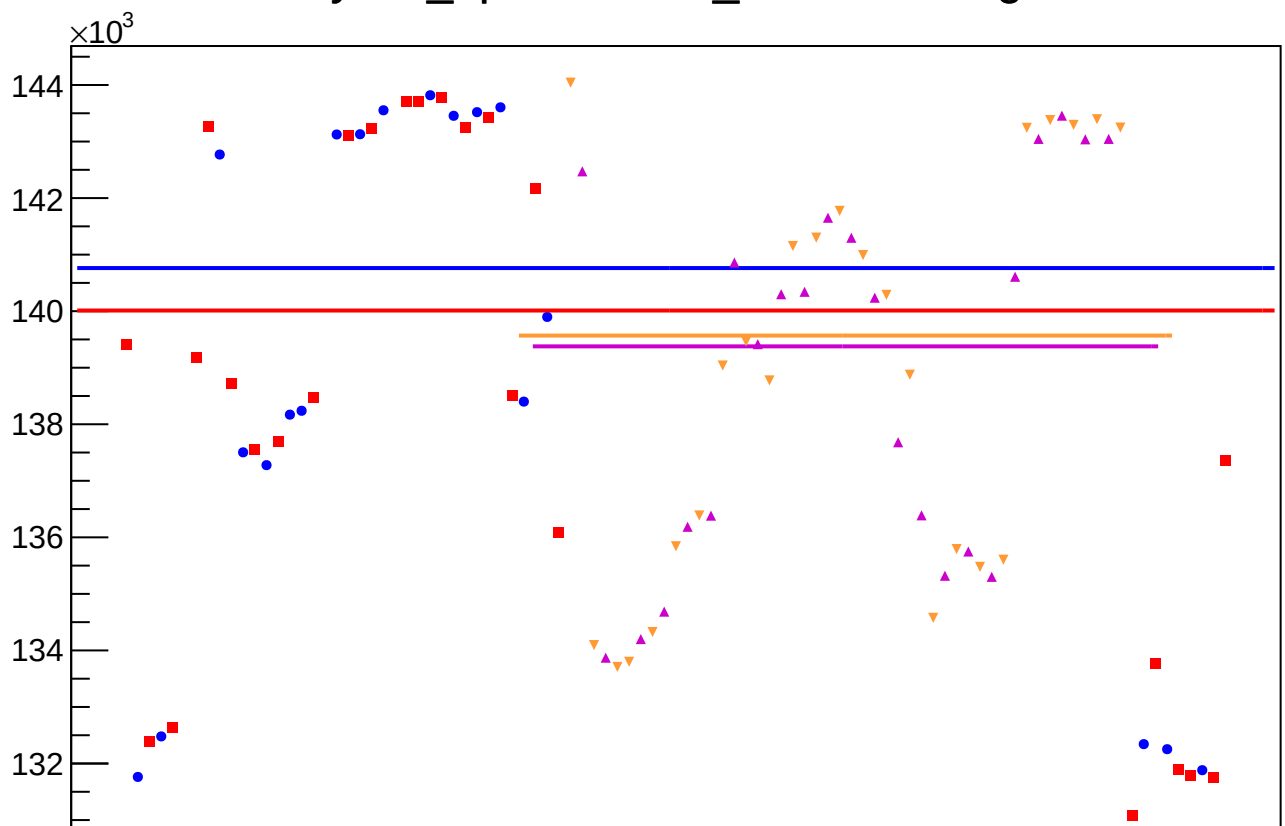
Right Out: 181.382+/-0.041 χ^2/NDF: 2242463.3/24

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 205.971+/-0.028 χ^2/NDF: 2657396.1/43

All: 204.274+/-0.020 χ^2/NDF: 6192082.6/91

- sign 202.673+/-0.028 χ^2/NDF: 3527747.4/47



Right In: 140762.519+/-0.097 χ^2/NDF: 1674195818.0/18

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 140011.668+/-0.091 χ^2/NDF: 2034616106.0/24

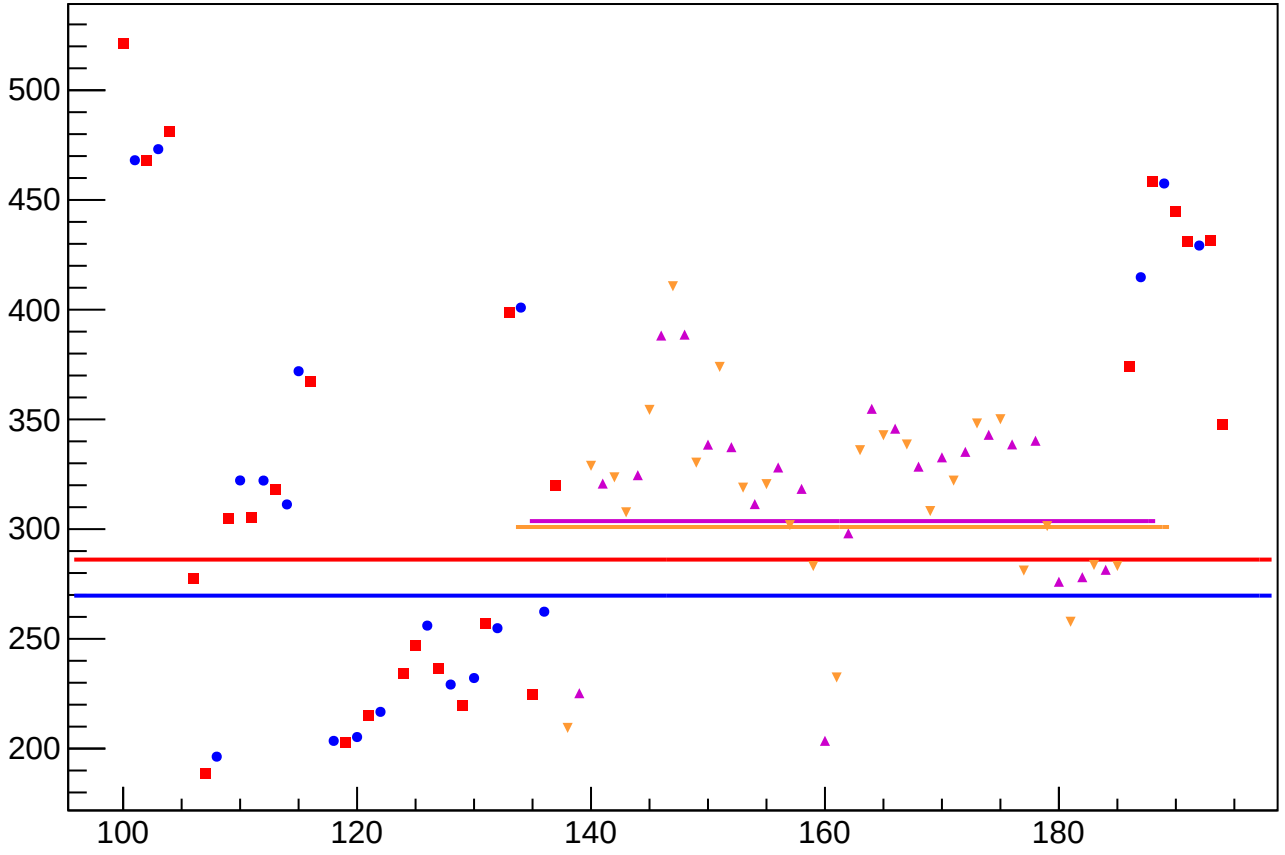
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139979.973+/-0.057 χ^2/NDF: 4360945641.4

All: 139803.125+/-0.040 χ^2/NDF: 836595413

- sign 139624.212+/-0.057 χ^2/NDF: 3985435744.5/

yield_bpm0r03WS_rms vs Slug



Right In: 269.691+/-0.068 χ^2/NDF: 1478598.4/18

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

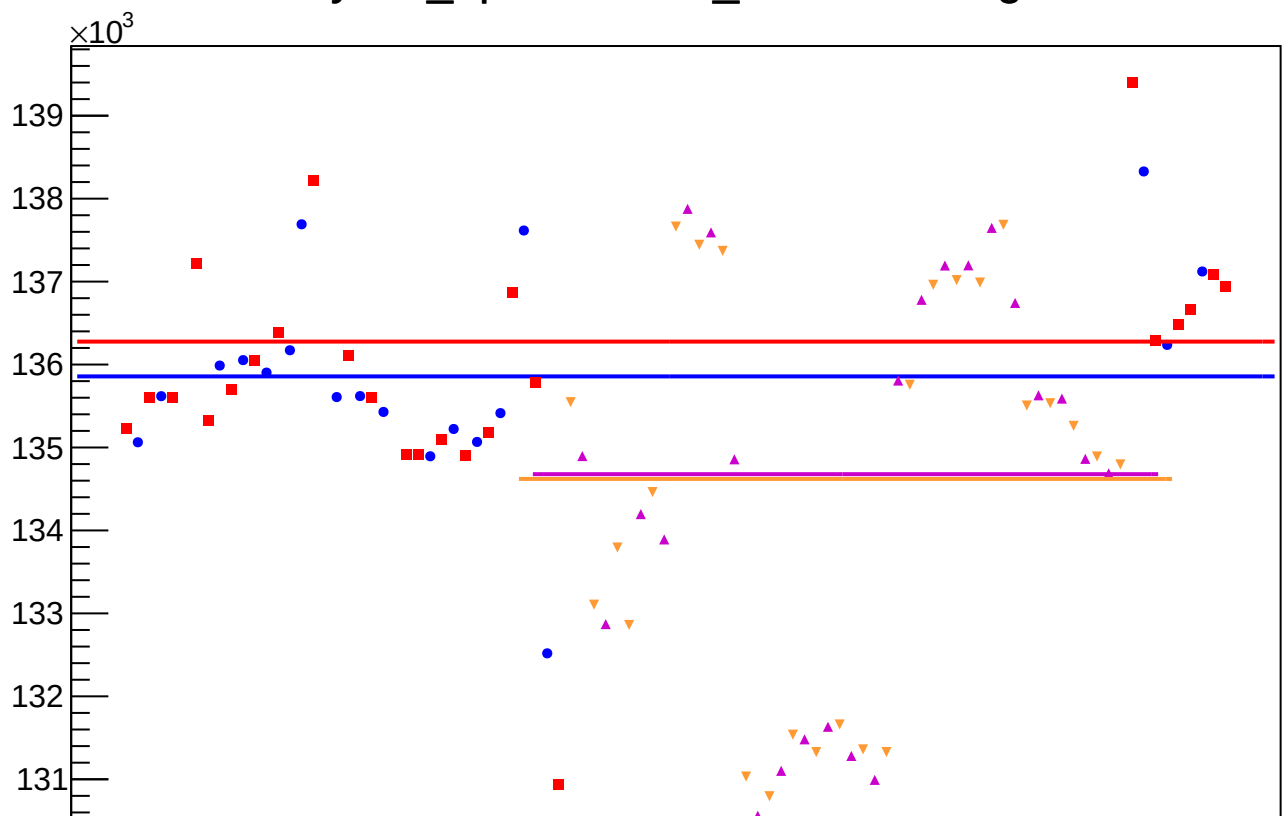
Right Out: 286.118+/-0.065 χ^2/NDF: 1800596.2/24

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 290.191+/-0.040 χ^2/NDF: 2492898.4/43

All: 293.494+/-0.028 χ^2/NDF: 5328375.9/91

- sign 296.836+/-0.040 χ^2/NDF: 2821822.0/47



Right In: 135857.051+/-0.105 χ^2/NDF: 129478712.1/18

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 136276.612+/-0.087 χ^2/NDF: 151402607.2/24

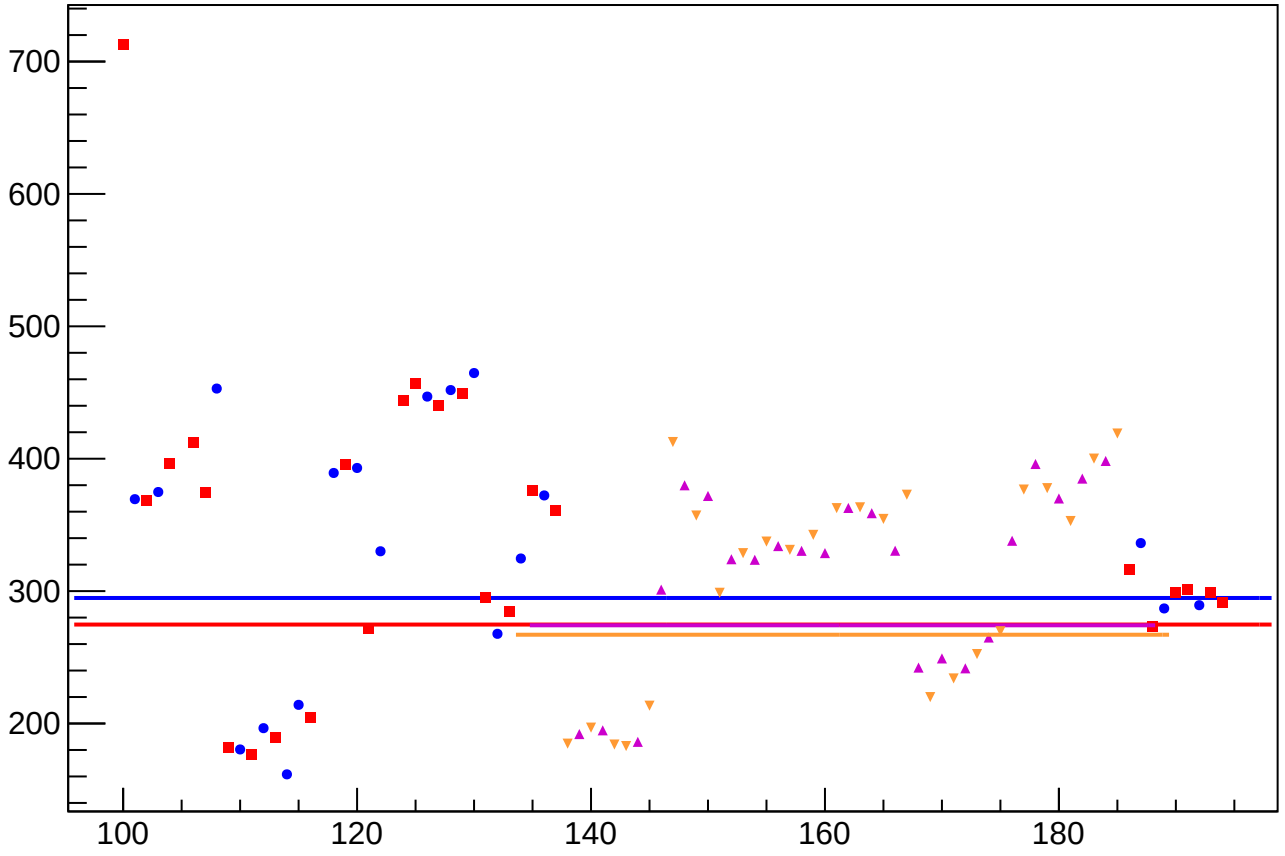
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134954.453+/-0.054 χ^2/NDF: 1432438454.9

All: 135115.434+/-0.038 χ^2/NDF: 29079247

- sign 135268.619+/-0.053 χ^2/NDF: 1458436492.2/

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

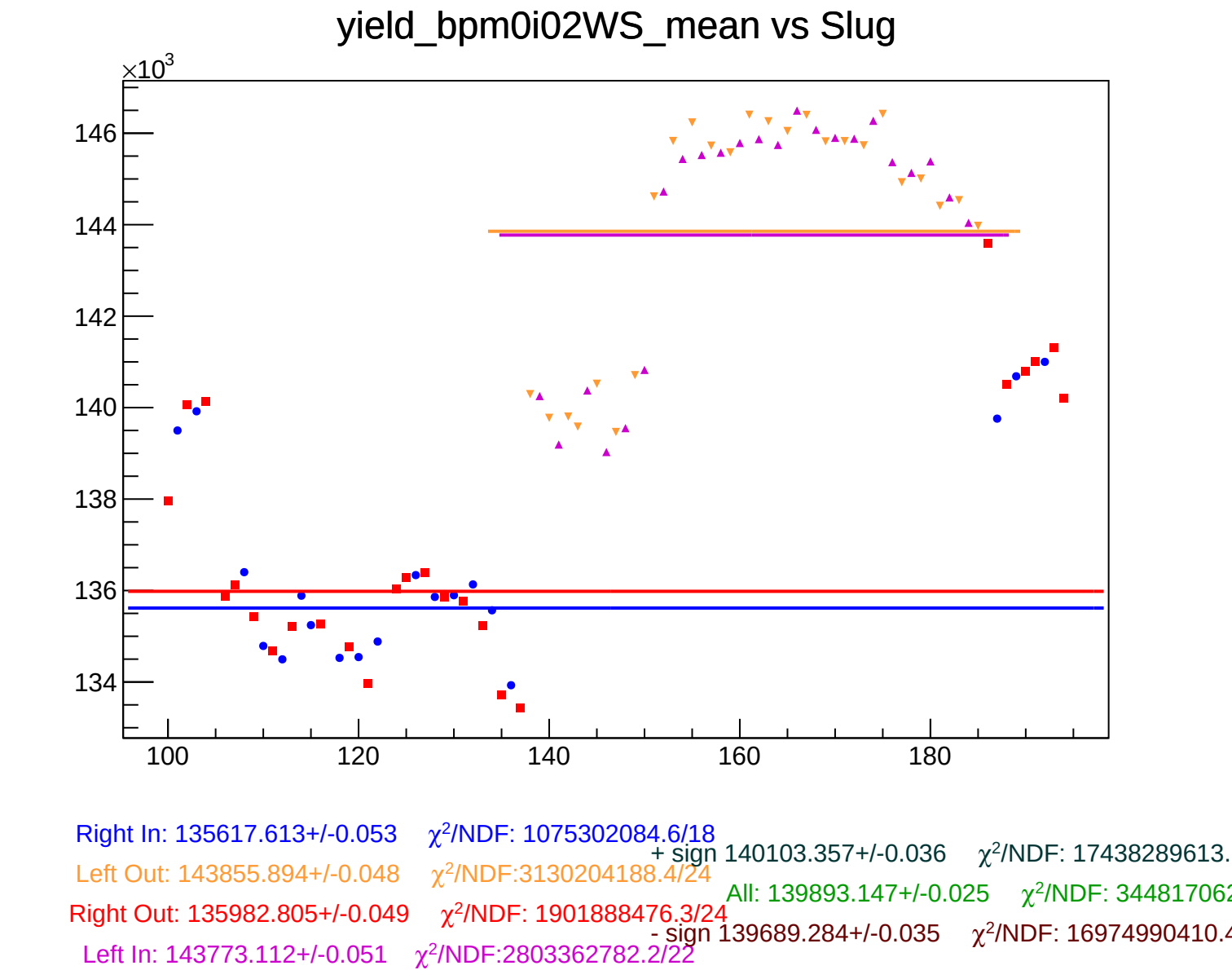
Right Out: 274.738+/-0.062 χ^2/NDF: 1727173.0/24

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

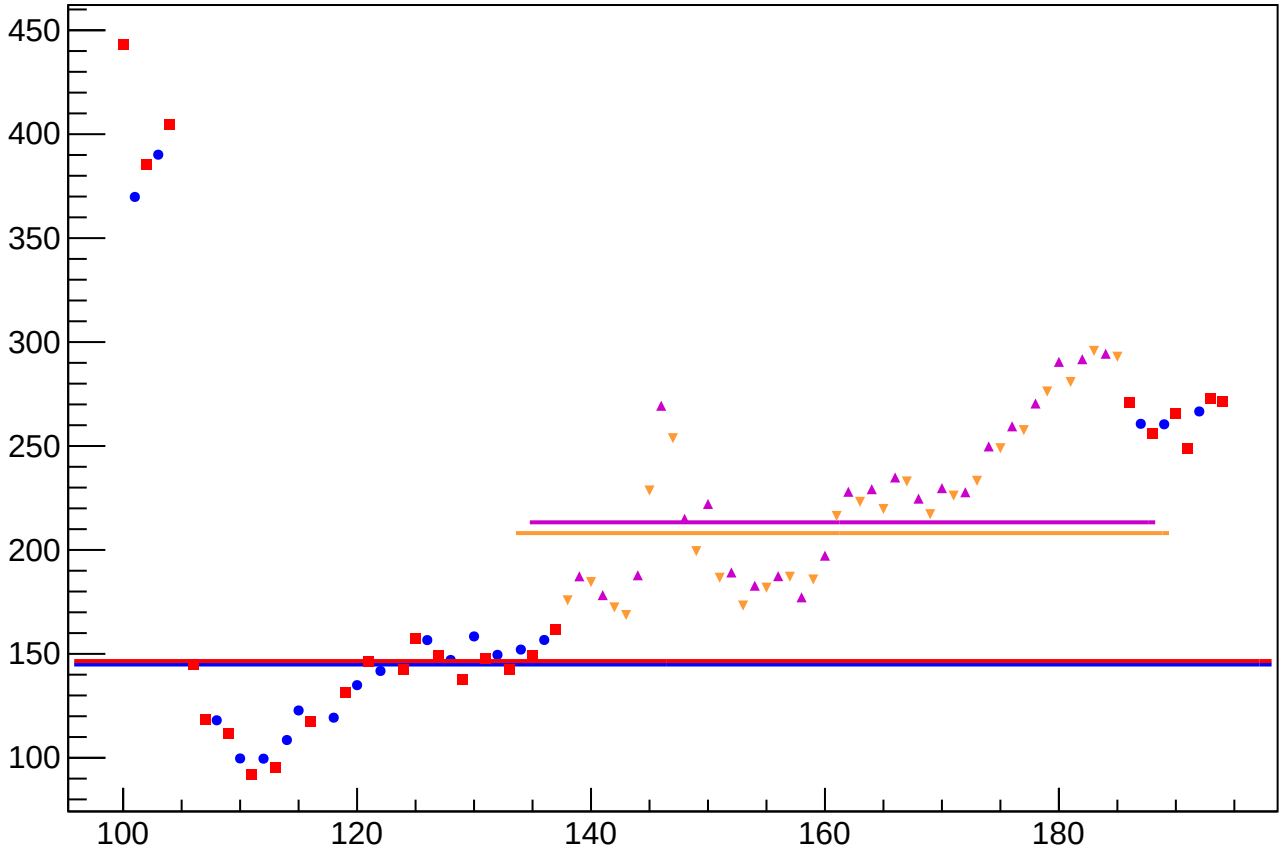
+ sign 274.543+/-0.039 χ^2/NDF: 4395228.5/43

All: 274.461+/-0.027 χ^2/NDF: 8359217.2/91

- sign 274.384+/-0.038 χ^2/NDF: 3963980.0/47


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: 135982.805+/-0.049 χ²/NDF: 1901888476.3/24
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
+ sign 140103.357+/-0.036 χ²/NDF: 17438289613.
All: 139893.147+/-0.025 χ²/NDF: 34481706
- sign 139689.284+/-0.035 χ²/NDF: 16974990410.4

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

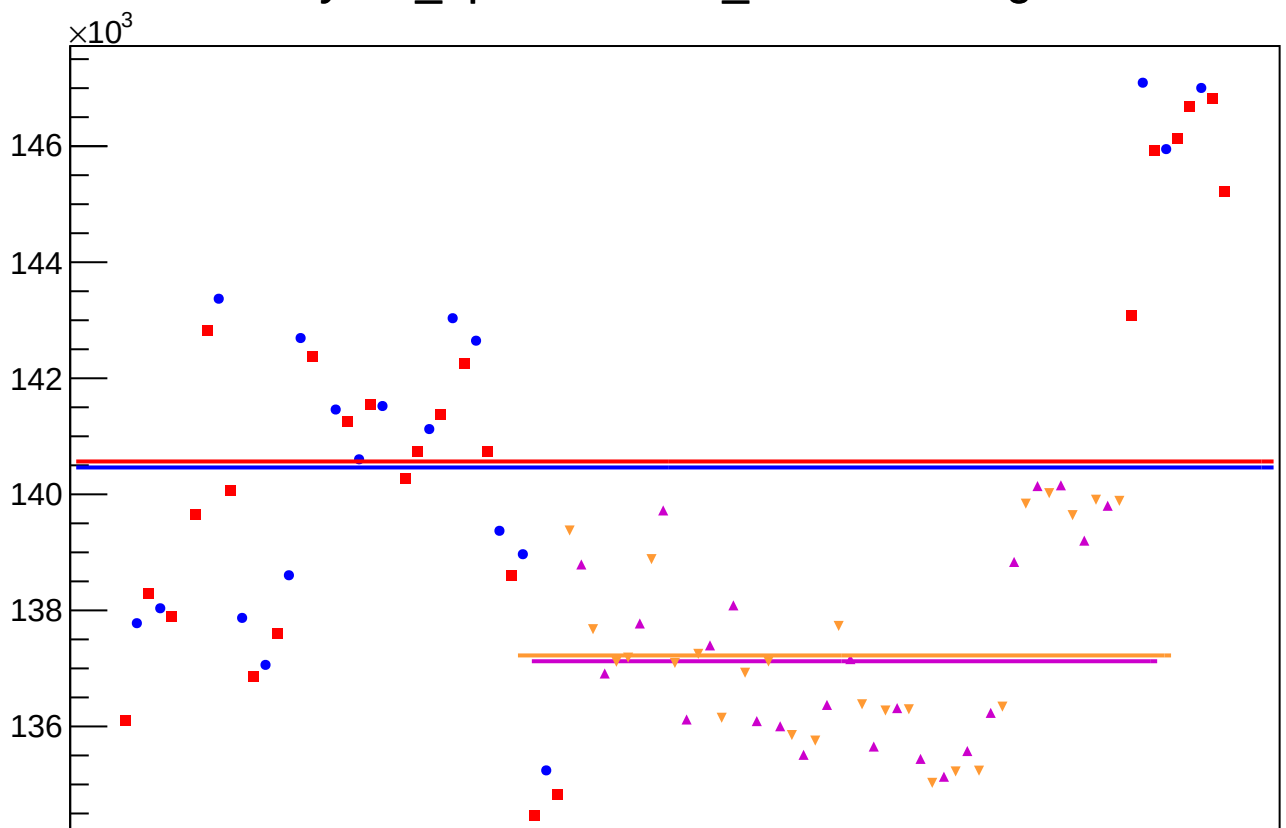
Right Out: 146.557+/-0.034 χ^2/NDF: 3174617.4/24

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 179.307+/-0.025 χ^2/NDF: 4669263.3/43

All: 178.799+/-0.018 χ^2/NDF: 10510788.3/91

- sign 178.306+/-0.025 χ^2/NDF: 5840724.5/47



Right In: 140463.124+/-0.060 χ^2/NDF: 2790509762.2/18

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140566.600+/-0.055 χ^2/NDF: 3235303063.7/24

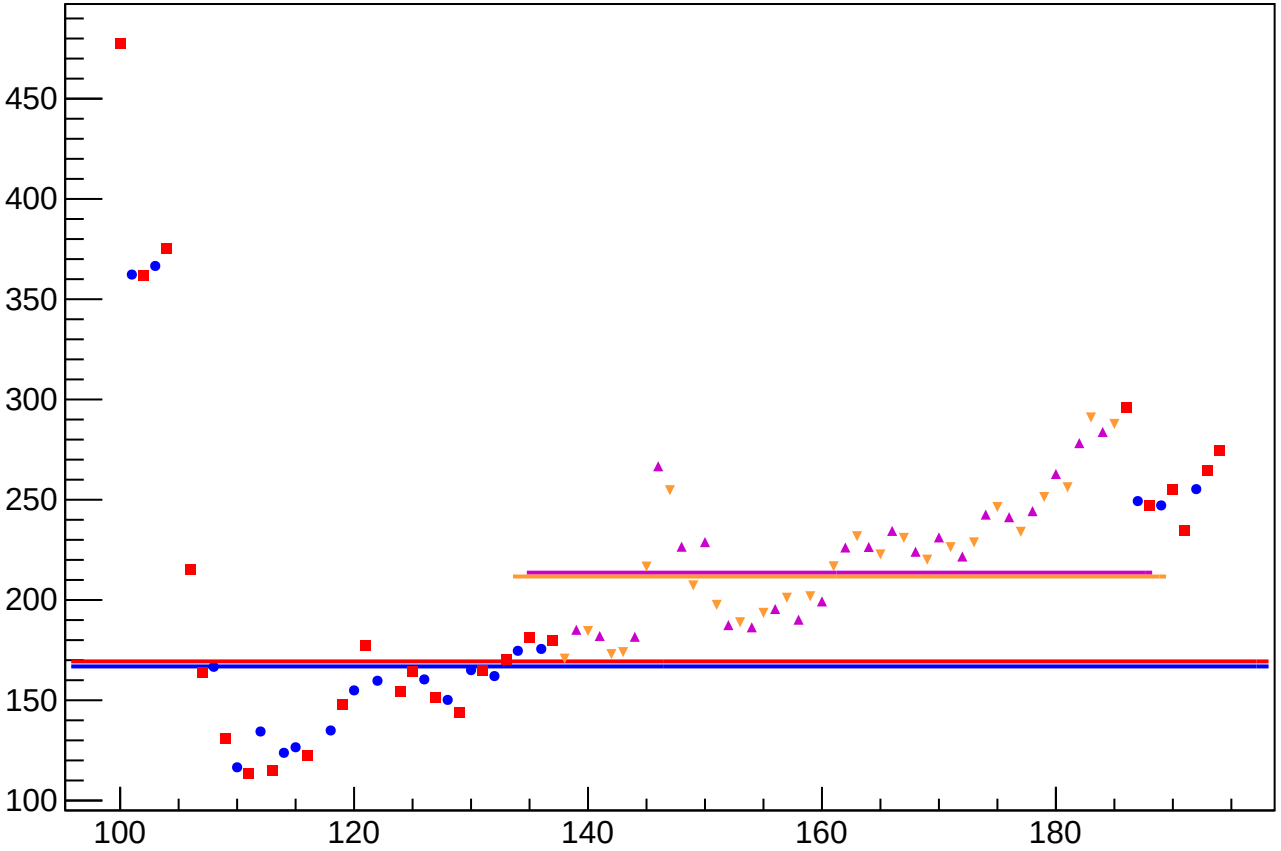
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138531.925+/-0.038 χ^2/NDF: 5446837472.6

All: 138626.586+/-0.027 χ^2/NDF: 1167397

- sign 138718.410+/-0.037 χ^2/NDF: 6214827768.3/

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

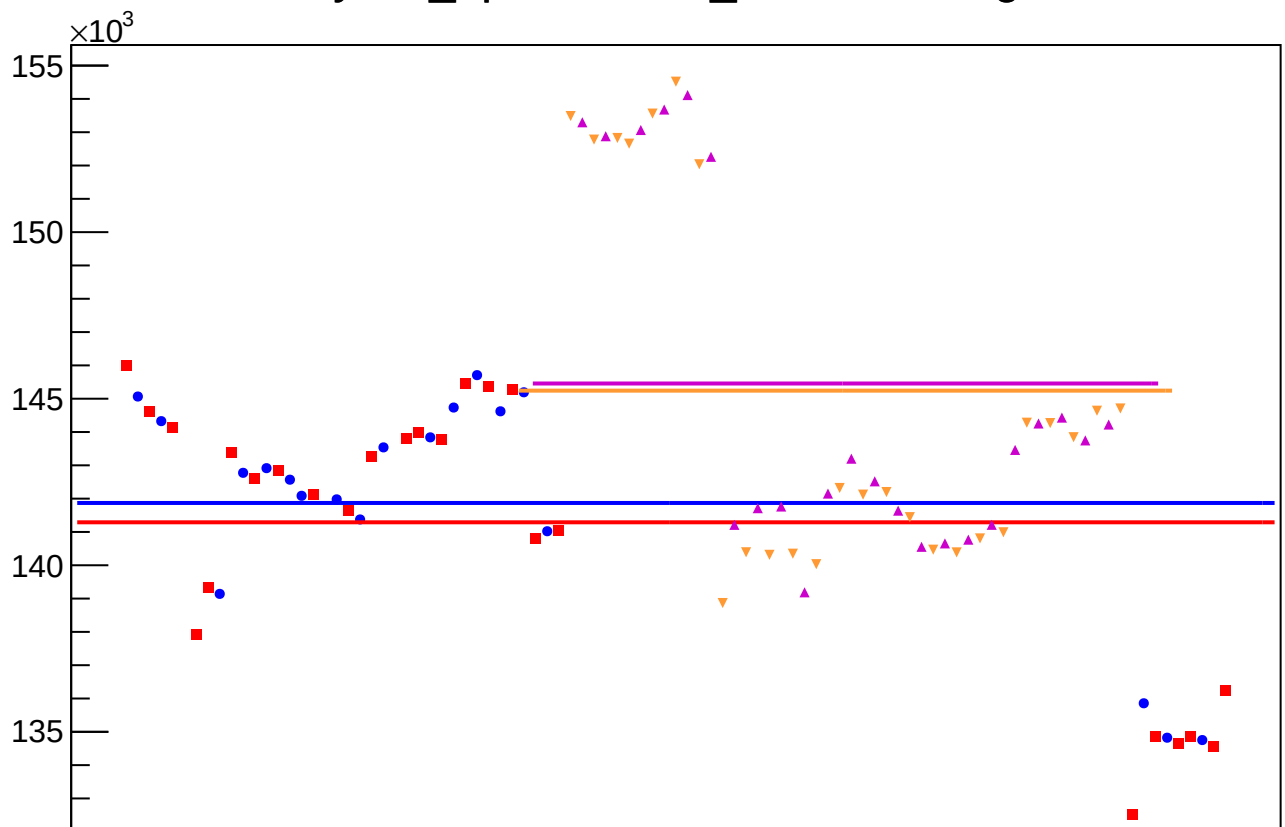
Right Out: 169.372+/-0.039 χ^2/NDF: 2310784.3/24

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 193.603+/-0.027 χ^2/NDF: 2790832.3/43

All: 193.365+/-0.019 χ^2/NDF: 6423657.9/91

- sign 193.135+/-0.026 χ^2/NDF: 3632670.8/47



Right In: 141870.287+/-0.061 χ^2/NDF: 2663176134.7/18

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141289.684+/-0.055 χ^2/NDF: 4358559720.6/24

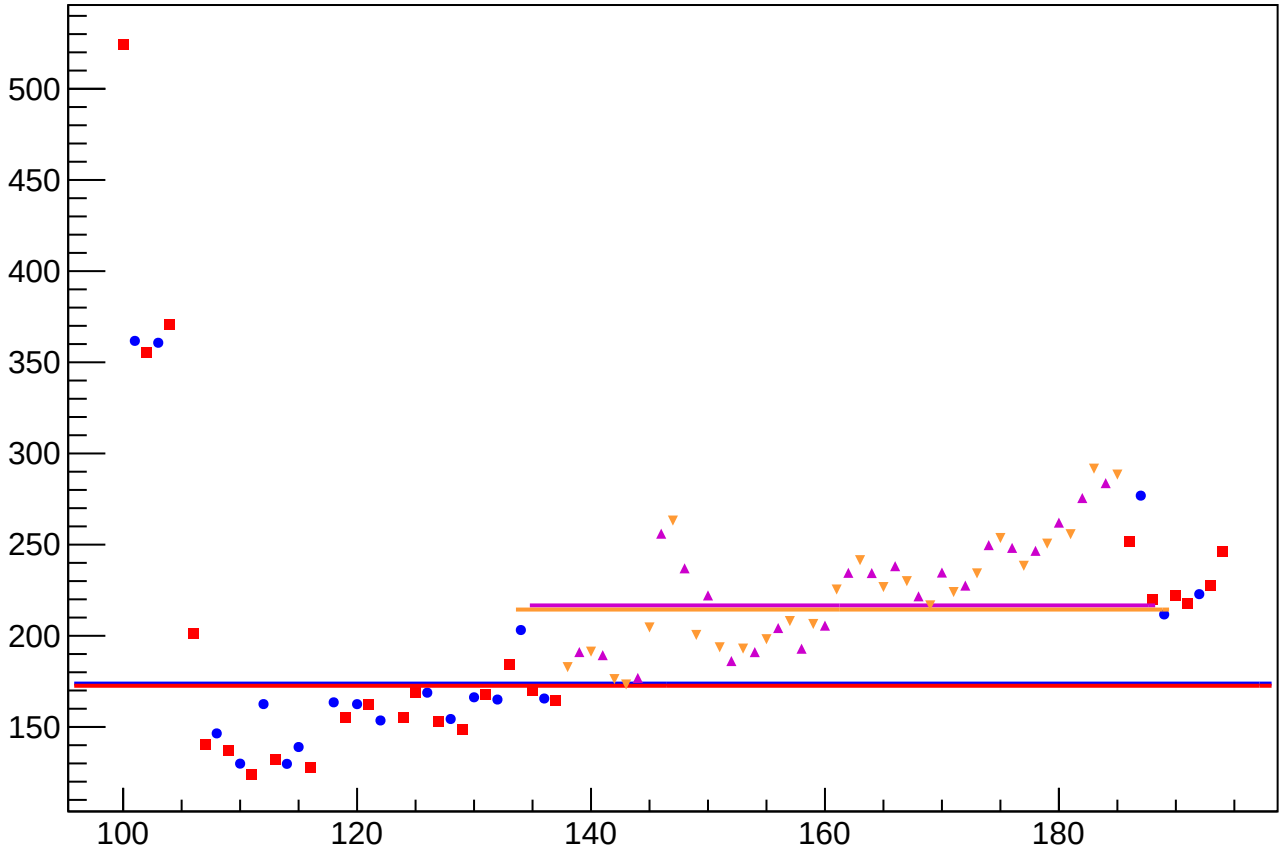
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143909.476+/-0.039 χ^2/NDF: 17521528084.

All: 143701.246+/-0.027 χ^2/NDF: 36069047

- sign 143503.580+/-0.038 χ^2/NDF: 18490756324.4

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: 172.602+/-0.039 χ^2/NDF: 1610824.6/24

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 198.341+/-0.027 χ^2/NDF: 2239076.8/43

All: 197.143+/-0.019 χ^2/NDF: 5124616.8/91

- sign 196.006+/-0.027 χ^2/NDF: 2881785.7/47

Right In: 149814.480+/-0.067 χ^2/NDF: 10063686322.2/18

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 41878.284+/-0.035 χ^2/NDF: 4746472266469.2/24

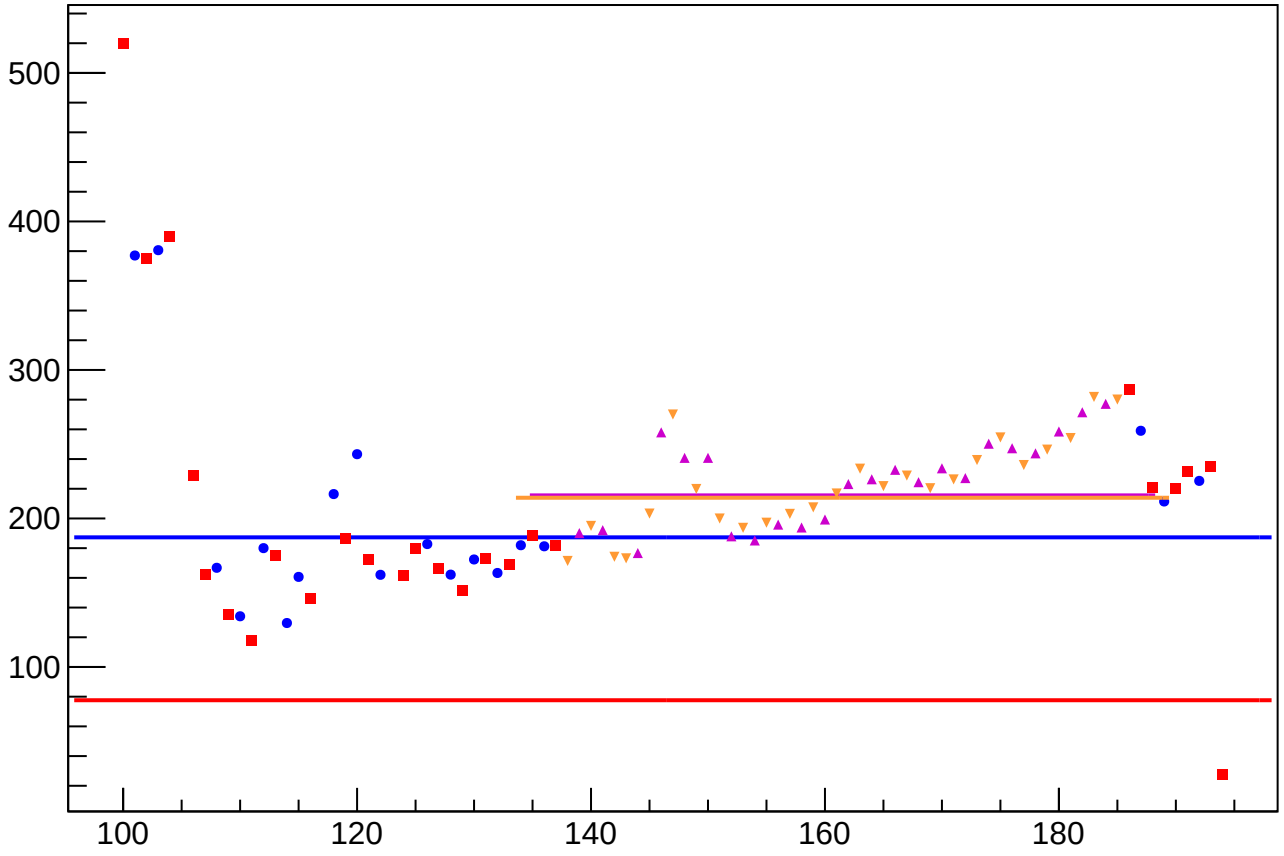
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 146872.049+/-0.040 χ^2/NDF: 26755182251.

All: 99104.790+/-0.023 χ^2/NDF: 976537069

- sign 74222.610+/-0.029 χ^2/NDF: 7541164405627

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

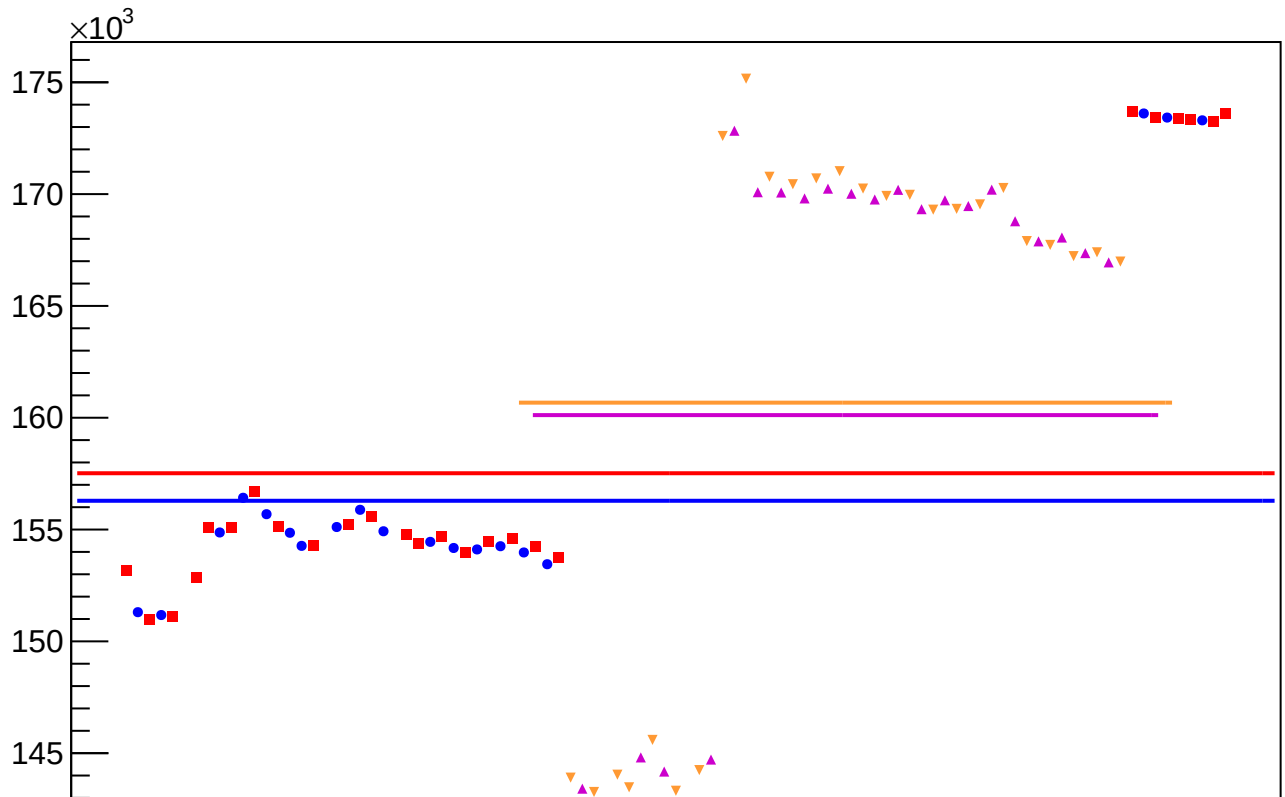
Right Out: 77.603+/-0.024 χ^2/NDF: 10023479.0/24

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 204.550+/-0.028 χ^2/NDF: 1875833.7/43

All: 149.537+/-0.016 χ^2/NDF: 28289072.7/91

- sign 120.881+/-0.020 χ^2/NDF: 20583878.6/47



Right In: 156286.665+/-0.062 χ^2/NDF: 7088174625.2/18

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 157518.121+/-0.056 χ^2/NDF: 13923241088.4/24

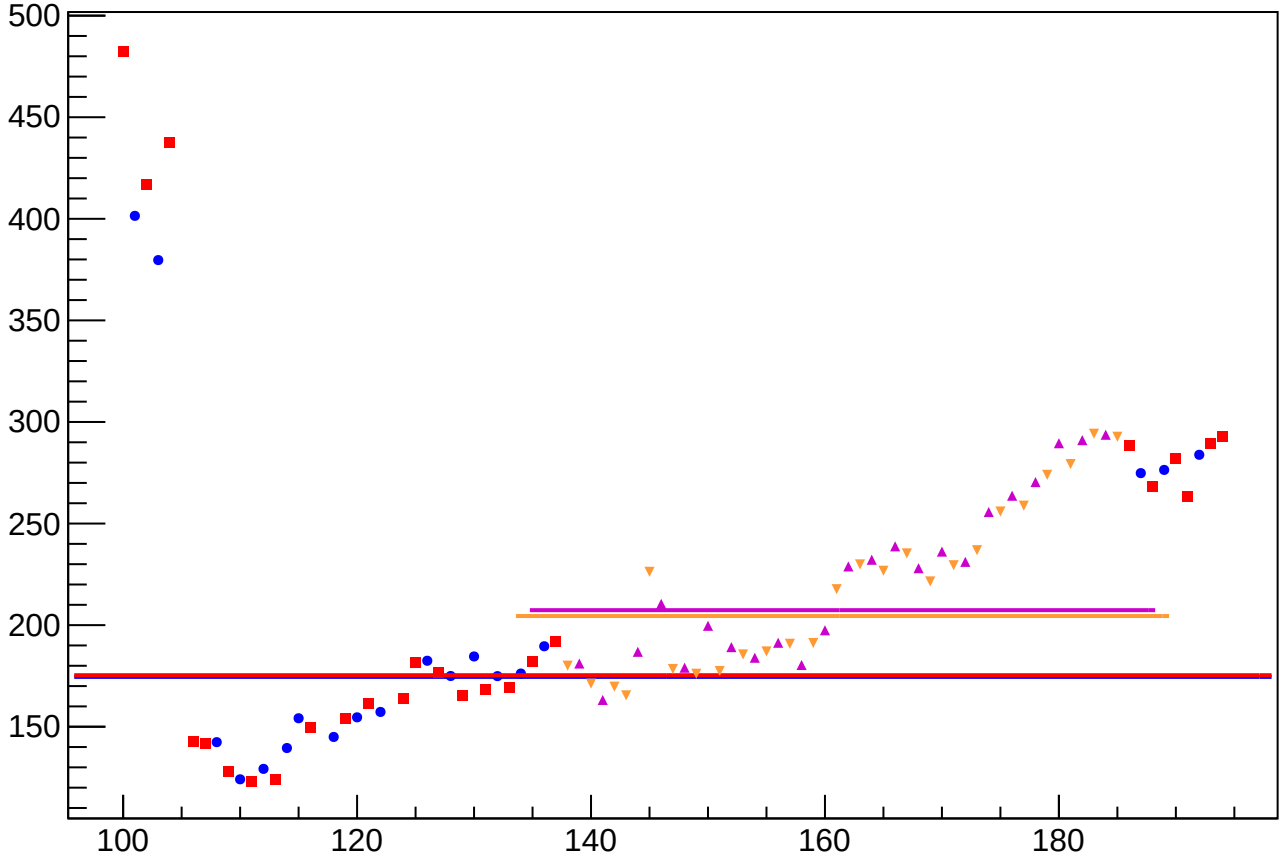
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 159070.242+/-0.038 χ^2/NDF: 84378348317.

All: 159029.420+/-0.026 χ^2/NDF: 16605826

- sign 158989.834+/-0.037 χ^2/NDF: 81677616944.

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

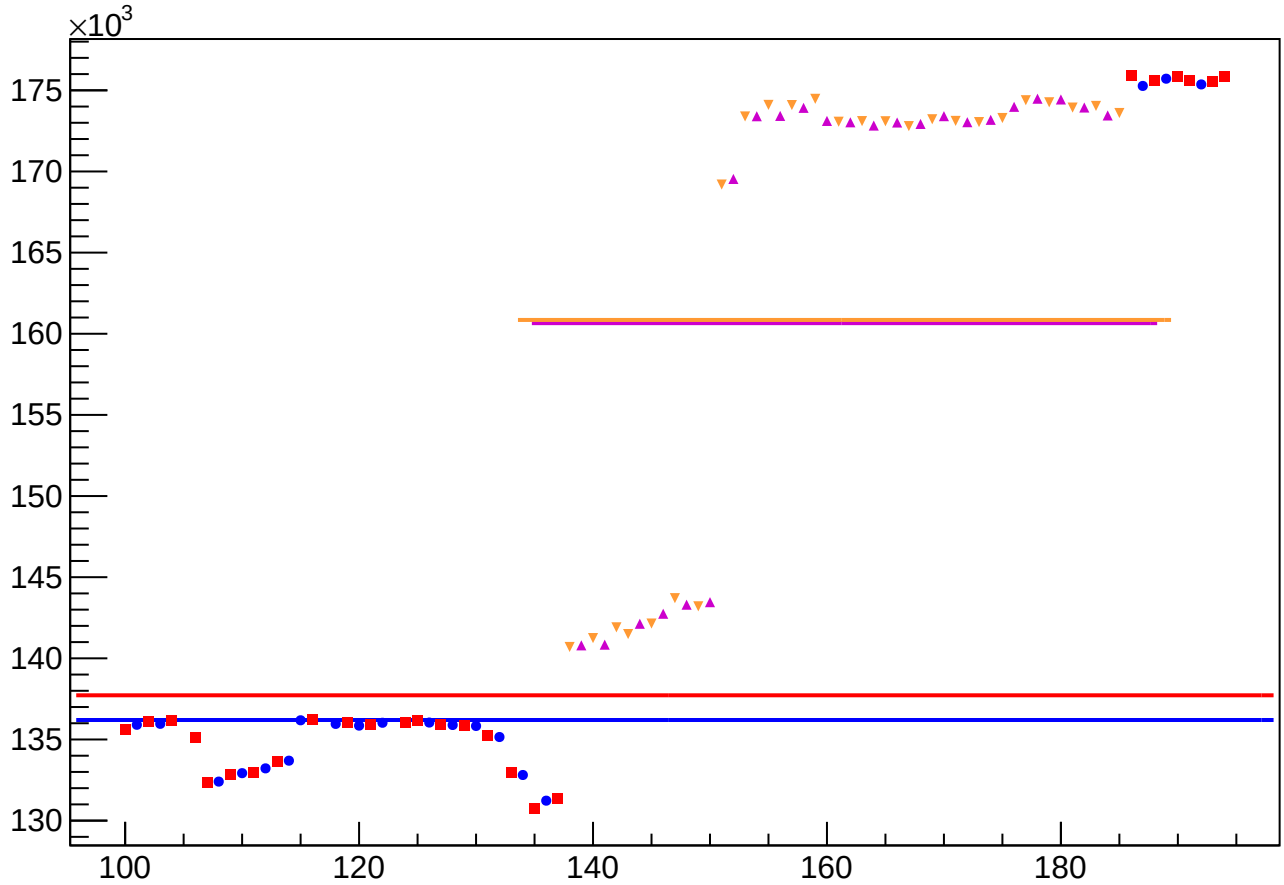
Right Out: 175.359+/-0.040 χ^2/NDF: 2467352.4/24

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 193.526+/-0.027 χ^2/NDF: 2961637.9/43

All: 193.504+/-0.019 χ^2/NDF: 6749937.6/91

- sign 193.482+/-0.026 χ^2/NDF: 3788298.3/47



Right In: 136200.176+/-0.050 χ^2/NDF: 31822653992.5/18

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 137722.201+/-0.046 χ^2/NDF: 64826905893.0/24

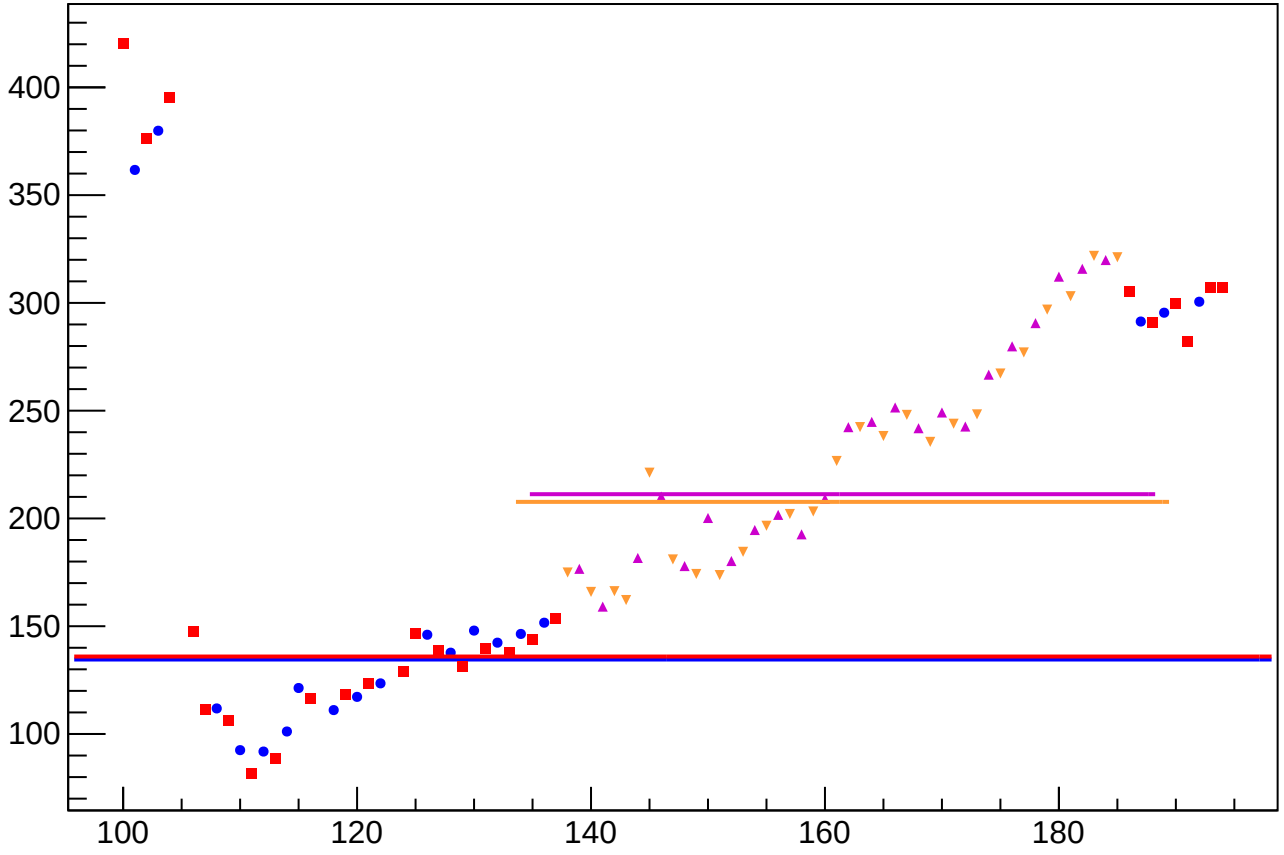
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 148825.903+/-0.035 χ^2/NDF: 257413320220

All: 148440.771+/-0.024 χ^2/NDF: 52531079

- sign 148070.261+/-0.034 χ^2/NDF: 267655210744

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

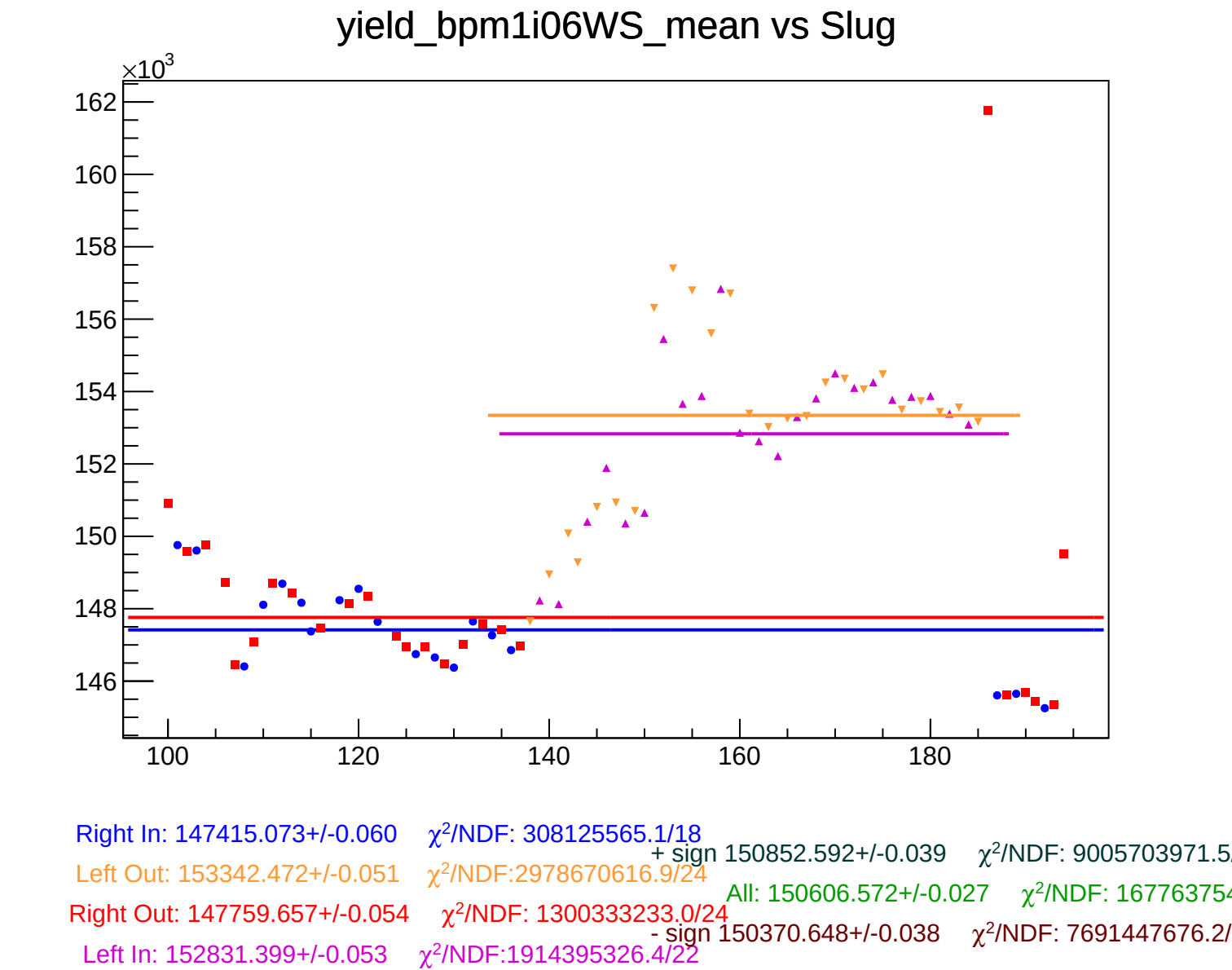
Right Out: 135.935+/-0.032 χ^2/NDF: 4005592.5/24

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

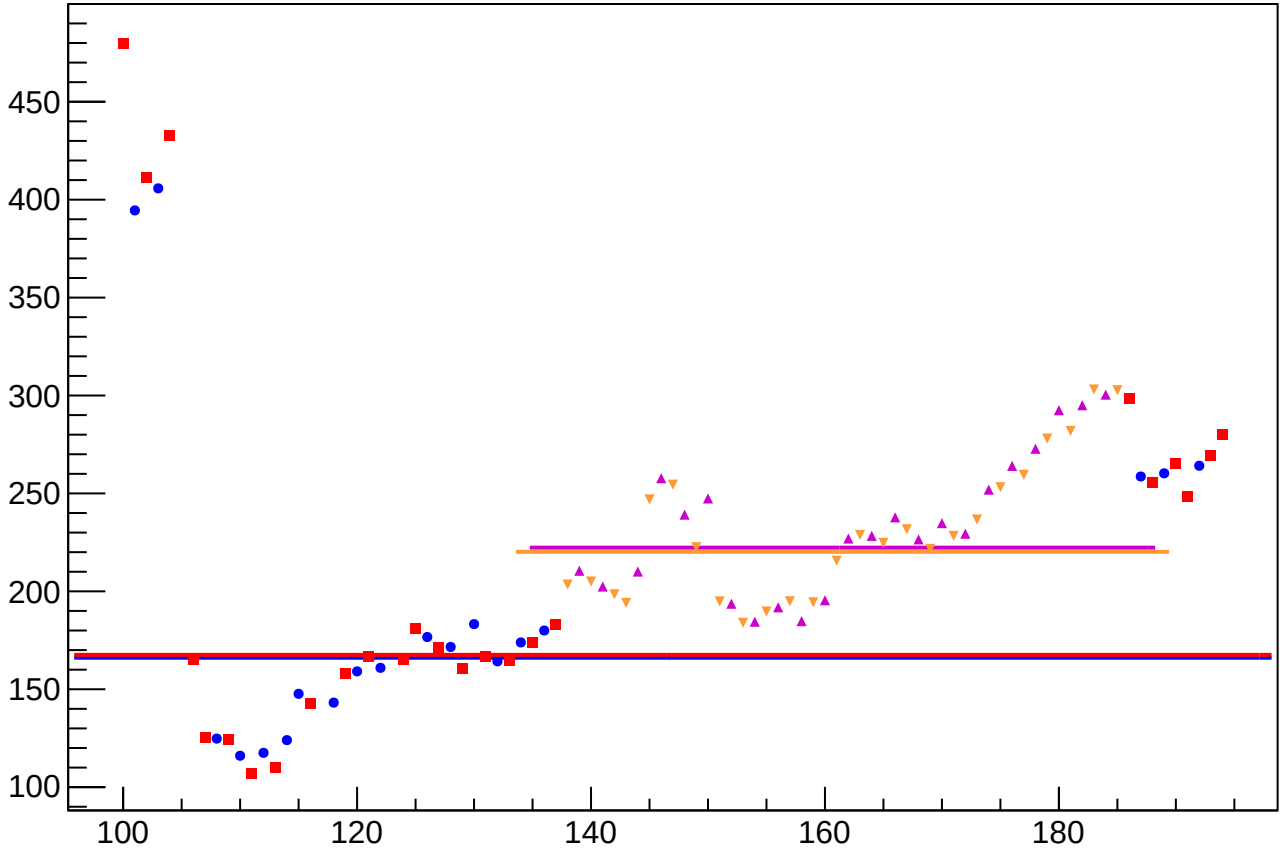
+ sign 172.012+/-0.025 χ^2/NDF: 6264851.2/43

All: 170.947+/-0.017 χ^2/NDF: 14010980.6/91

- sign 169.923+/-0.024 χ^2/NDF: 7742426.1/47


yield_bpm1i06WS_mean vs Slug
×10^3
162
160
158
156
154
152
150
148
146
100
120
140
160
180
Right In: 147415.073+/-0.060 χ²/NDF: 308125565.1/18
Left Out: 153342.472+/-0.051 χ²/NDF:2978670616.9/24
Right Out: 147759.657+/-0.054 χ²/NDF: 1300333233.0/24
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
+ sign 150852.592+/-0.039 χ²/NDF: 9005703971.5
All: 150606.572+/-0.027 χ²/NDF: 16776375
- sign 150370.648+/-0.038 χ²/NDF: 7691447676.2/

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

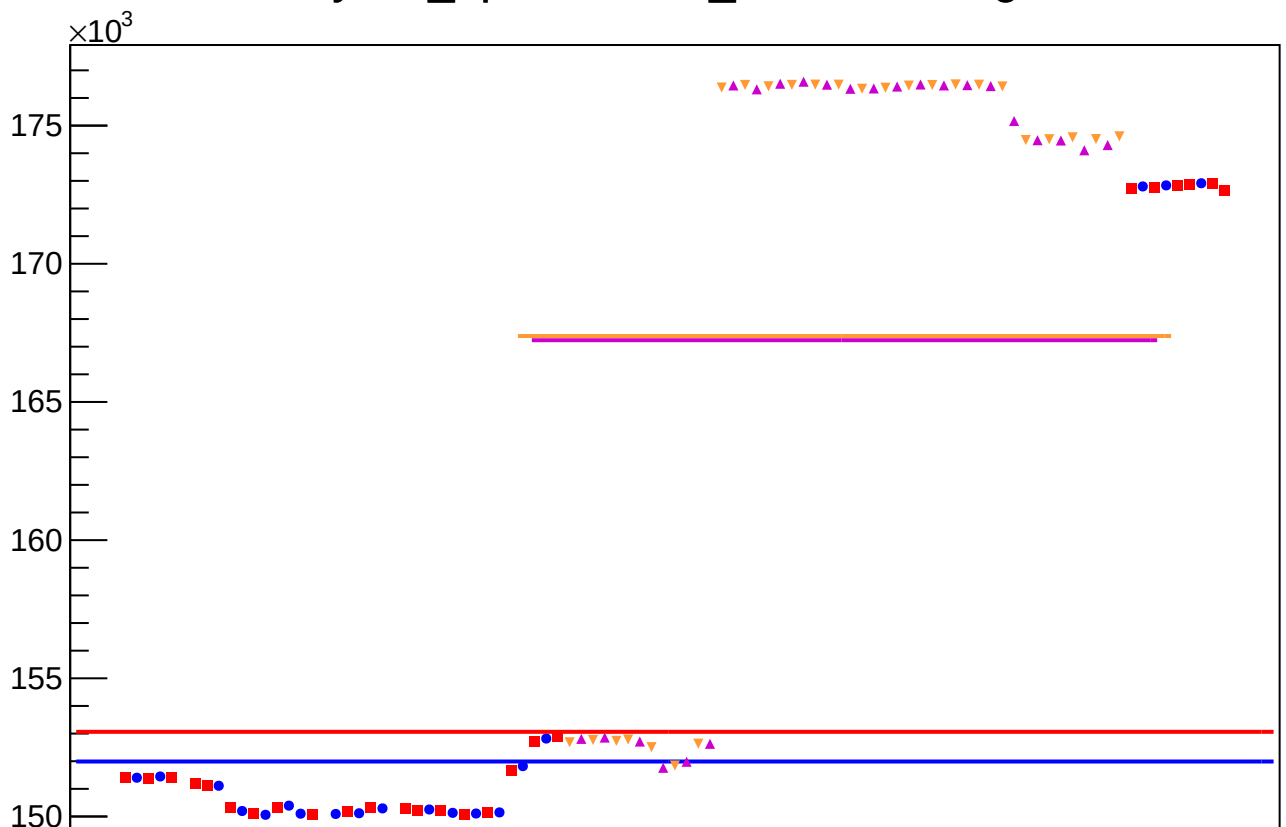
Right Out: 167.560+/-0.038 χ^2/NDF: 2672070.6/24

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 197.452+/-0.027 χ^2/NDF: 3398147.2/43

All: 196.580+/-0.019 χ^2/NDF: 7812997.7/91

- sign 195.743+/-0.027 χ^2/NDF: 4412856.7/47



Right In: 151989.740+/-0.053 χ^2/NDF: 10866852208.0/18

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153063.735+/-0.048 χ^2/NDF: 21581237330.1/24

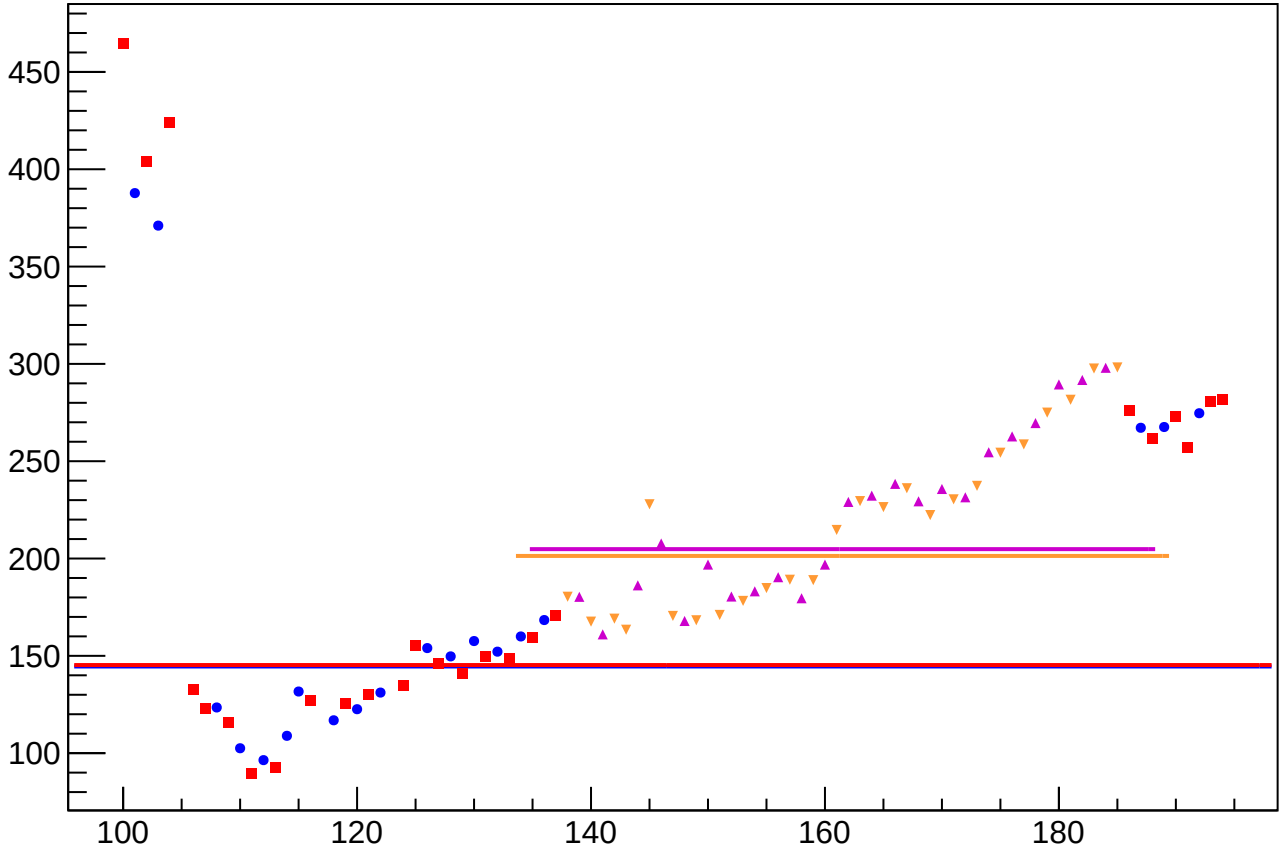
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160628.762+/-0.035 χ^2/NDF: 11810146421

All: 160320.488+/-0.024 χ^2/NDF: 2377060

- sign 160025.335+/-0.034 χ^2/NDF: 119452834445

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

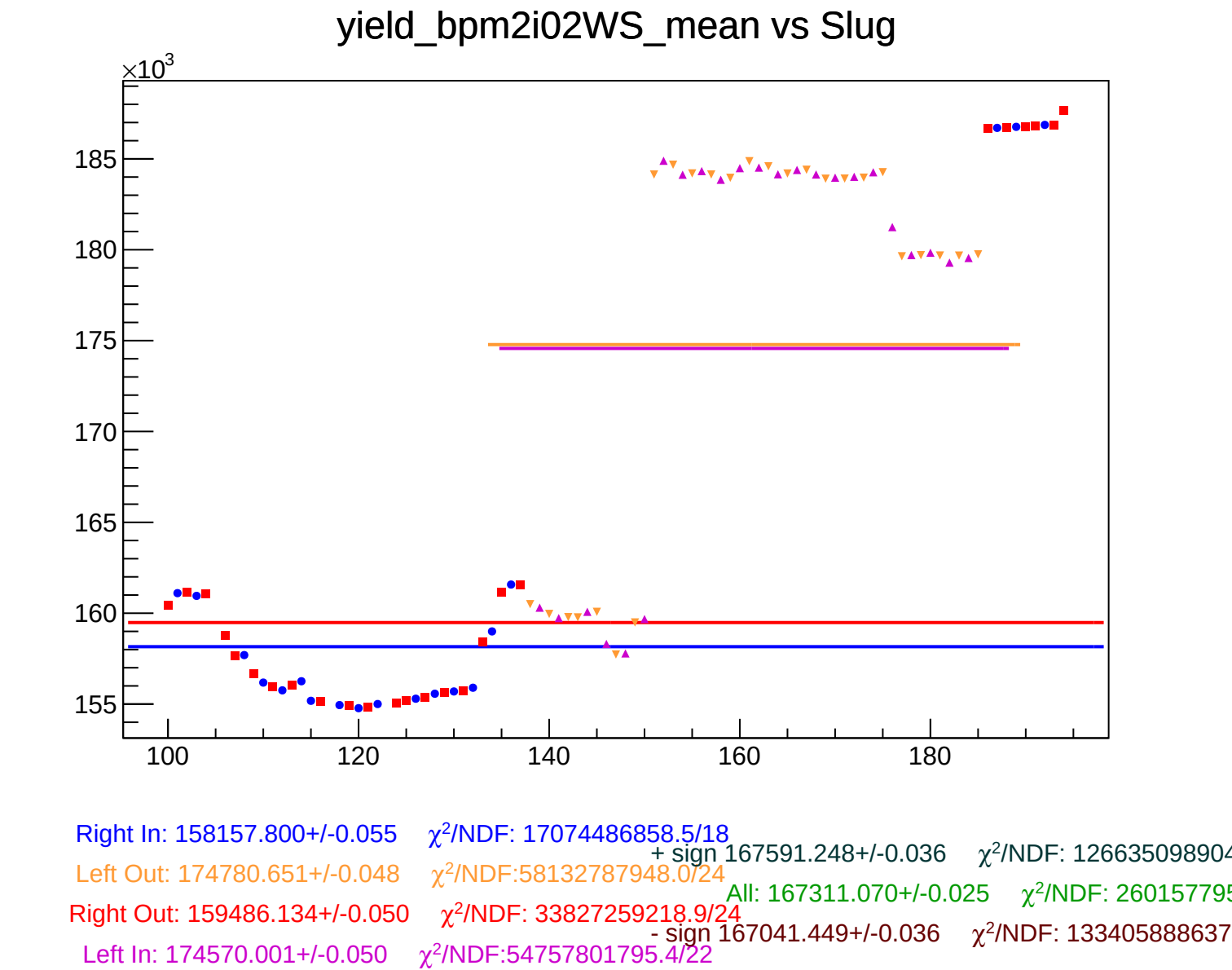
Right Out: 145.267+/-0.034 χ^2/NDF: 3401488.3/24

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

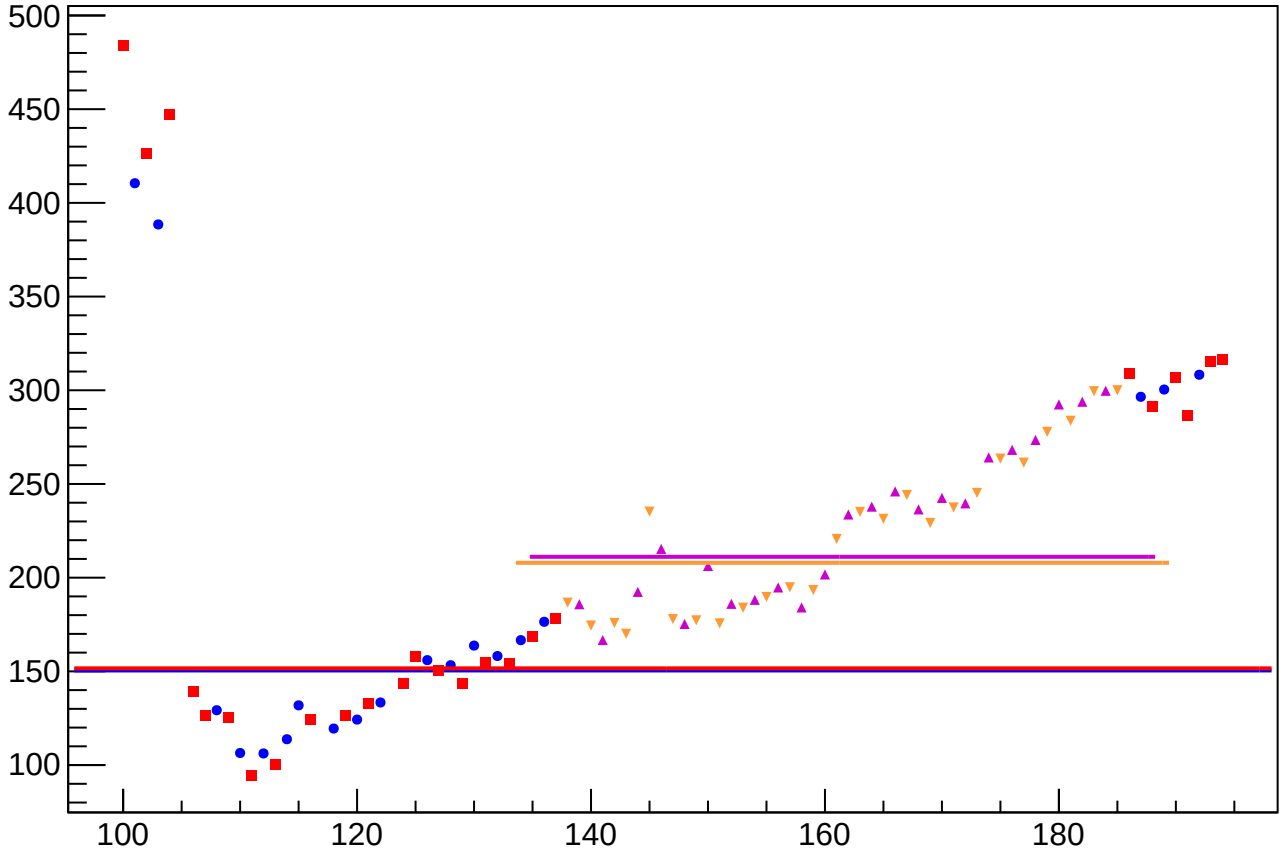
+ sign 176.404+/-0.025 χ^2/NDF: 4729565.3/43

All: 175.445+/-0.017 χ^2/NDF: 10698290.3/91

- sign 174.527+/-0.024 χ^2/NDF: 5965788.4/47


yield_bpm2i02WS_mean vs Slug
×10^3
185
180
175
170
165
160
155
100
120
140
160
180
Right In: 158157.800+/-0.055 χ²/NDF: 17074486858.5/18
Left Out: 174780.651+/-0.048 χ²/NDF:58132787948.0/24
Right Out: 159486.134+/-0.050 χ²/NDF: 33827259218.9/24
Left In: 174570.001+/-0.050 χ²/NDF:54757801795.4/22
+ sign 167591.248+/-0.036 χ²/NDF: 12663509890
All: 167311.070+/-0.025 χ²/NDF: 2601577
- sign 167041.449+/-0.036 χ²/NDF: 13340588863

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: 151.609+/-0.036 χ^2/NDF: 3622326.7/24

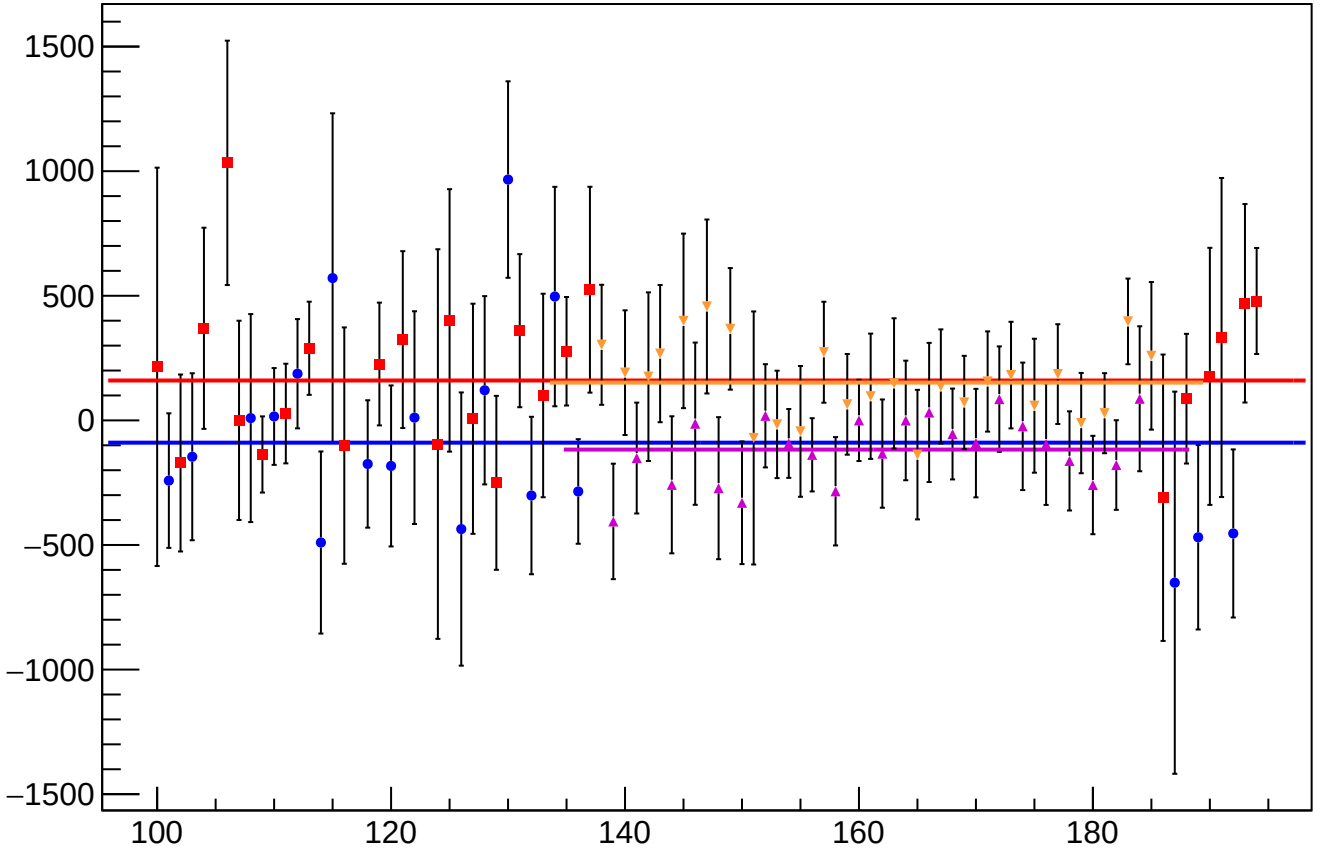
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 183.092+/-0.026 χ^2/NDF: 4663616.6/43

All: 182.242+/-0.018 χ^2/NDF: 10677765.3/91

- sign 181.424+/-0.025 χ^2/NDF: 6011999.6/47

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: 160.008+/-61.375 χ^2/NDF: 16.8/24

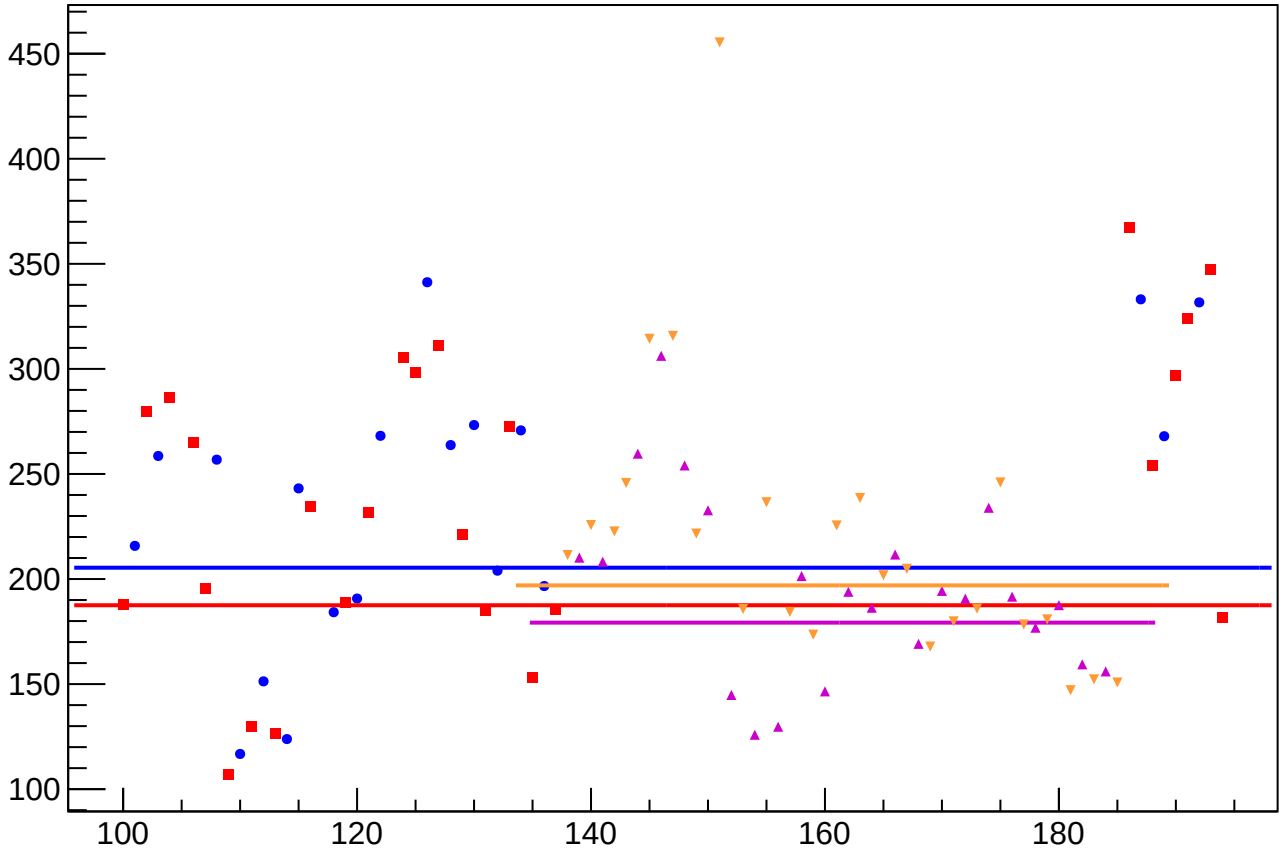
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 82.047+/-39.152 χ^2/NDF: 35.9/43

All: 24.221+/-26.356 χ^2/NDF: 77.6/91

- sign -23.697+/-35.640 χ^2/NDF: 37.7/47

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: 187.520+/-0.043 χ^2/NDF: 2556491.4/24

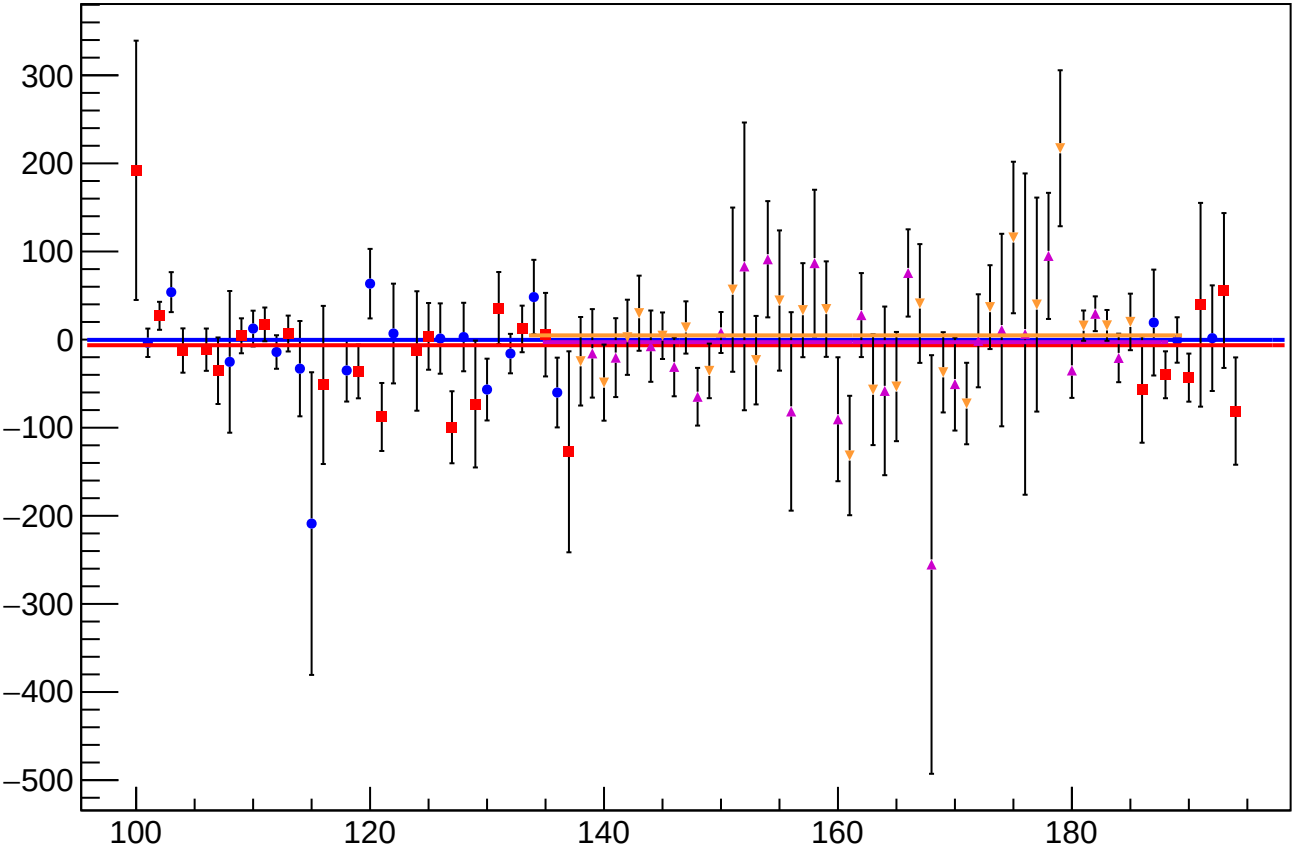
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 199.403+/-0.028 χ^2/NDF: 3287471.1/43

All: 189.910+/-0.019 χ^2/NDF: 7739056.3/91

- sign 182.043+/-0.025 χ^2/NDF: 4236549.0/47

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: -6.394+/-6.282 χ^2/NDF: 30.0/24

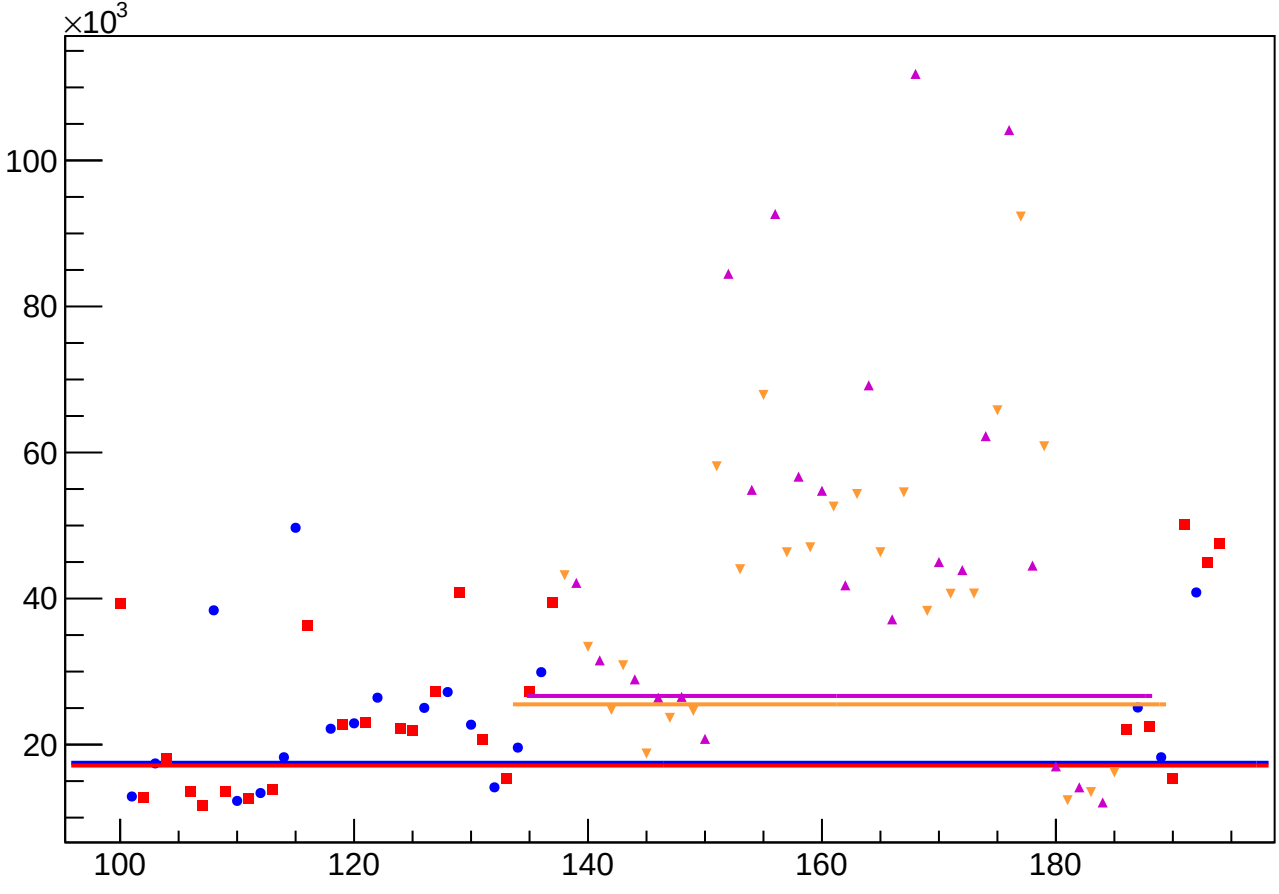
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 2.022+/-5.135 χ^2/NDF: 43.6/43

All: -1.613+/-3.626 χ^2/NDF: 96.1/91

- sign -5.228+/-5.121 χ^2/NDF: 51.6/47

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: 17129.470+/-4.442 χ^2/NDF: 2253805.7/24

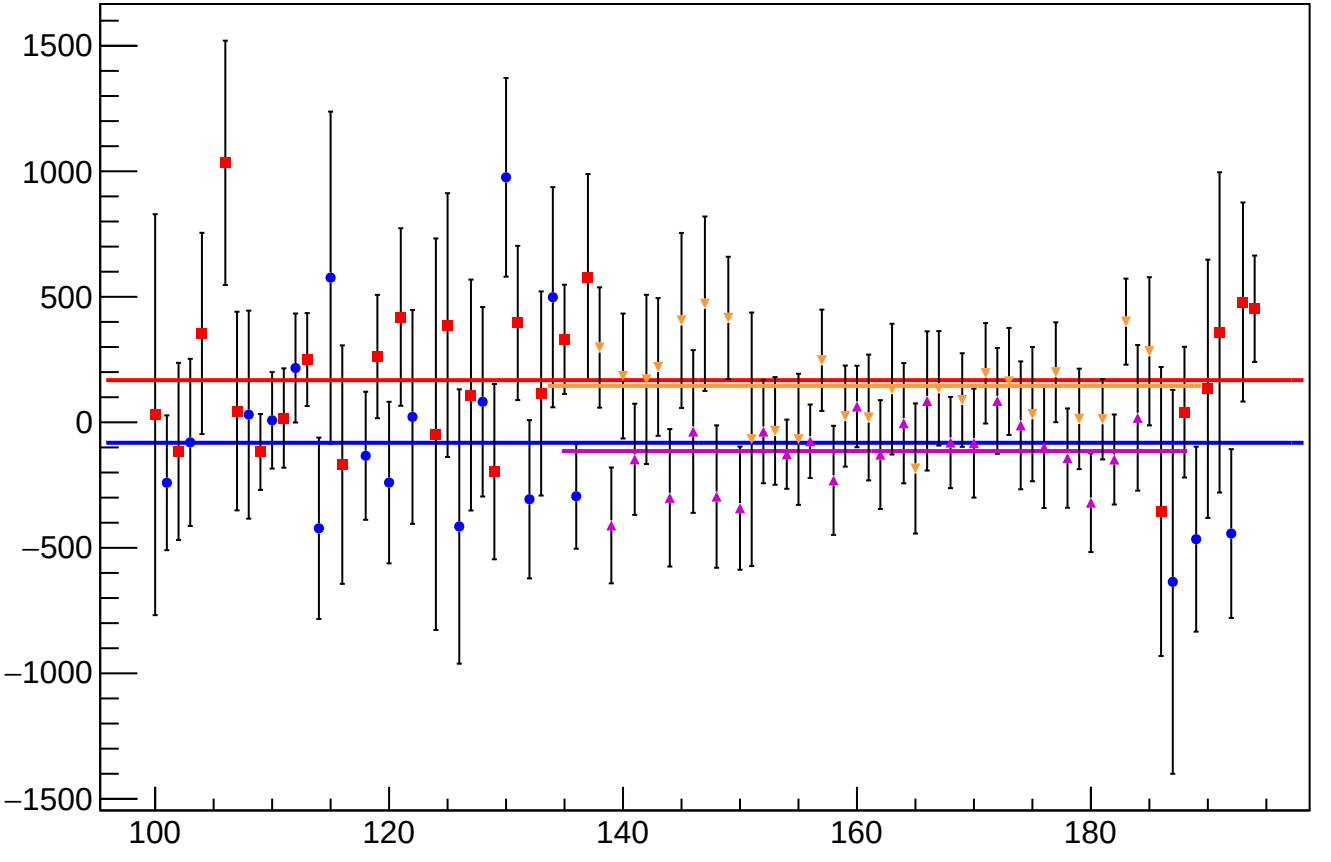
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21162.212+/-3.631 χ^2/NDF: 10488210.4/43

All: 20743.777+/-2.564 χ^2/NDF: 20196539.4

- sign 20327.620+/-3.621 χ^2/NDF: 9681838.6/47

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: 167.935+/-61.038 χ^2/NDF: 16.7/24

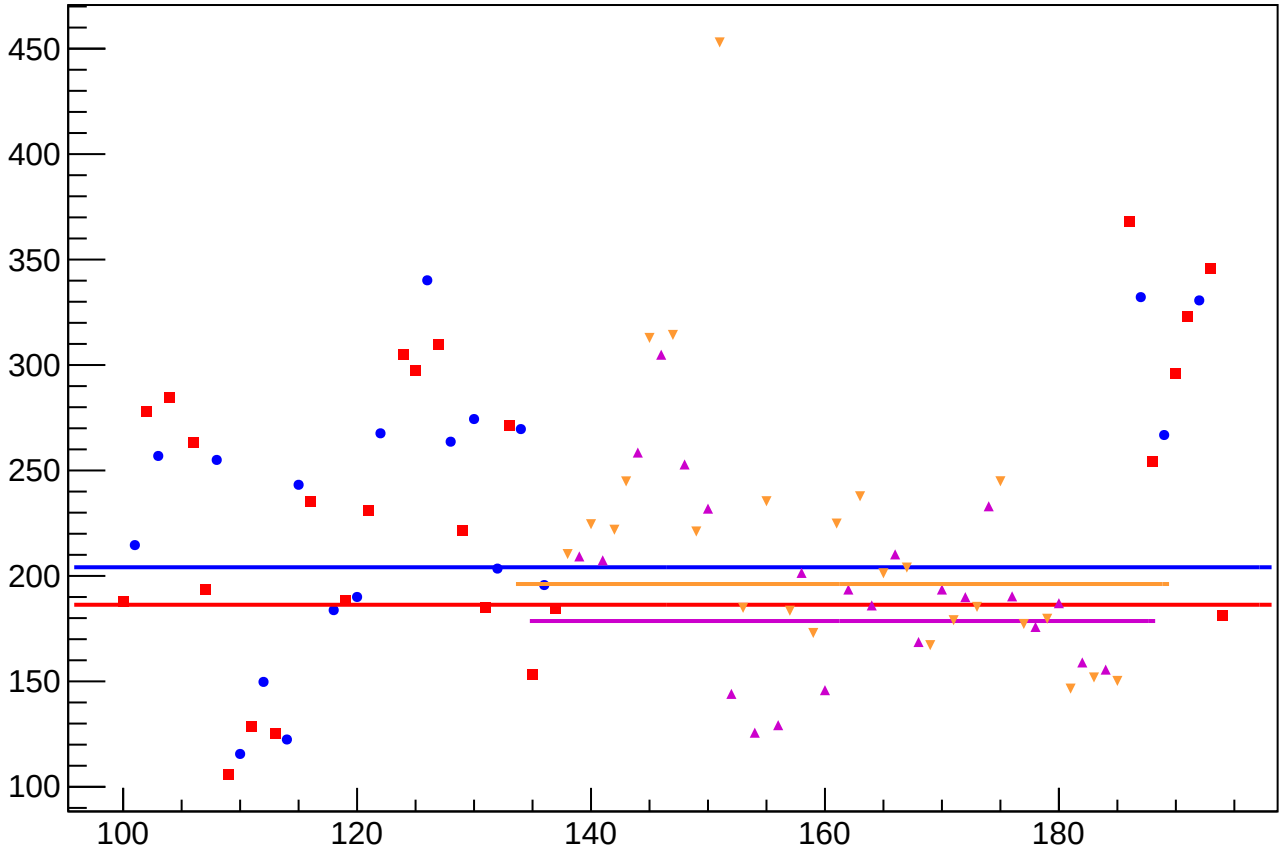
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 79.636+/-38.974 χ^2/NDF: 36.7/43

All: 25.735+/-26.240 χ^2/NDF: 79.4/91

- sign -18.957+/-35.489 χ^2/NDF: 39.3/47

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: 186.329+/-0.043 χ^2/NDF: 2591783.7/24

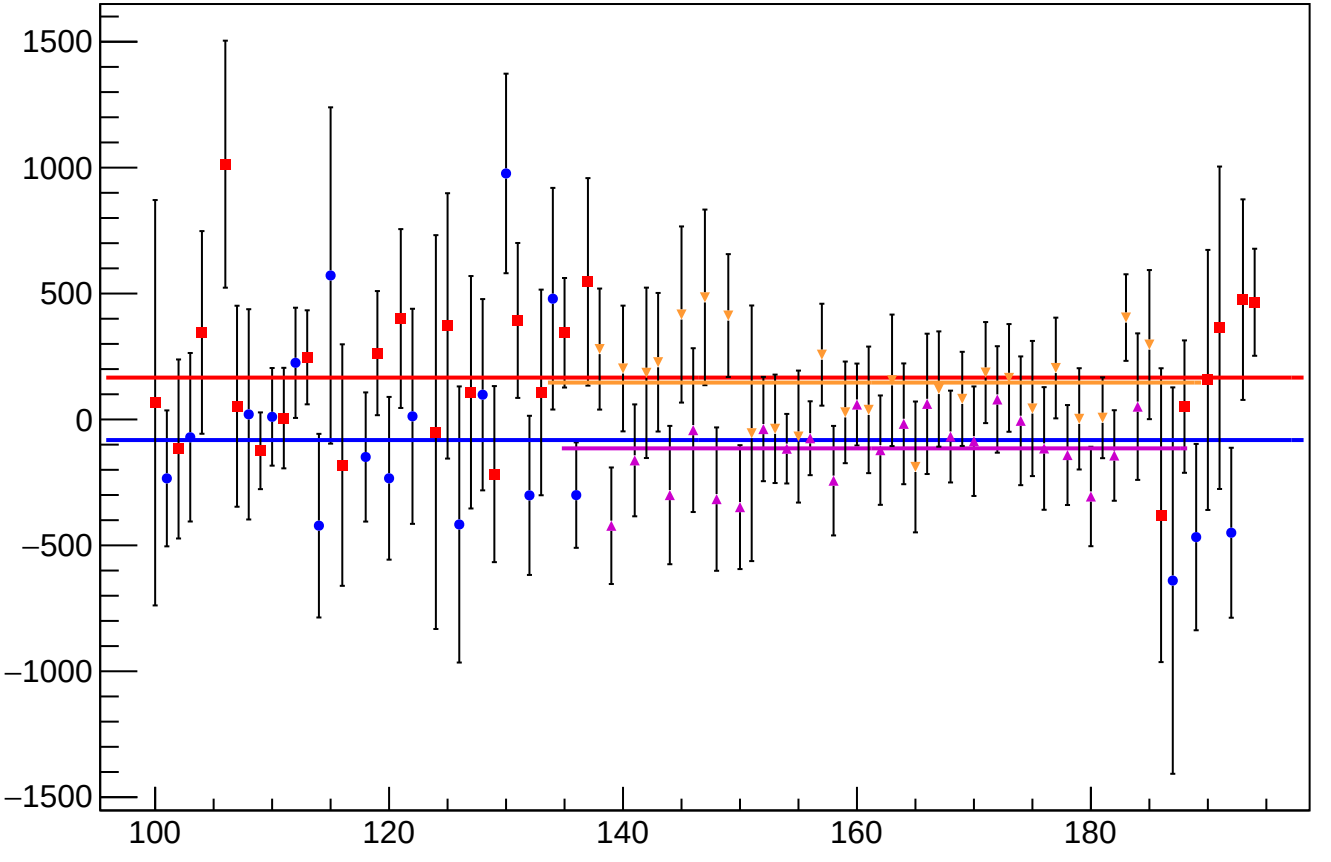
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 198.462+/-0.028 χ^2/NDF: 3308513.8/43

All: 189.039+/-0.019 χ^2/NDF: 7787129.1/91

- sign 181.226+/-0.025 χ^2/NDF: 4264770.5/47

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: 166.239+/-61.382 χ^2/NDF: 16.8/24

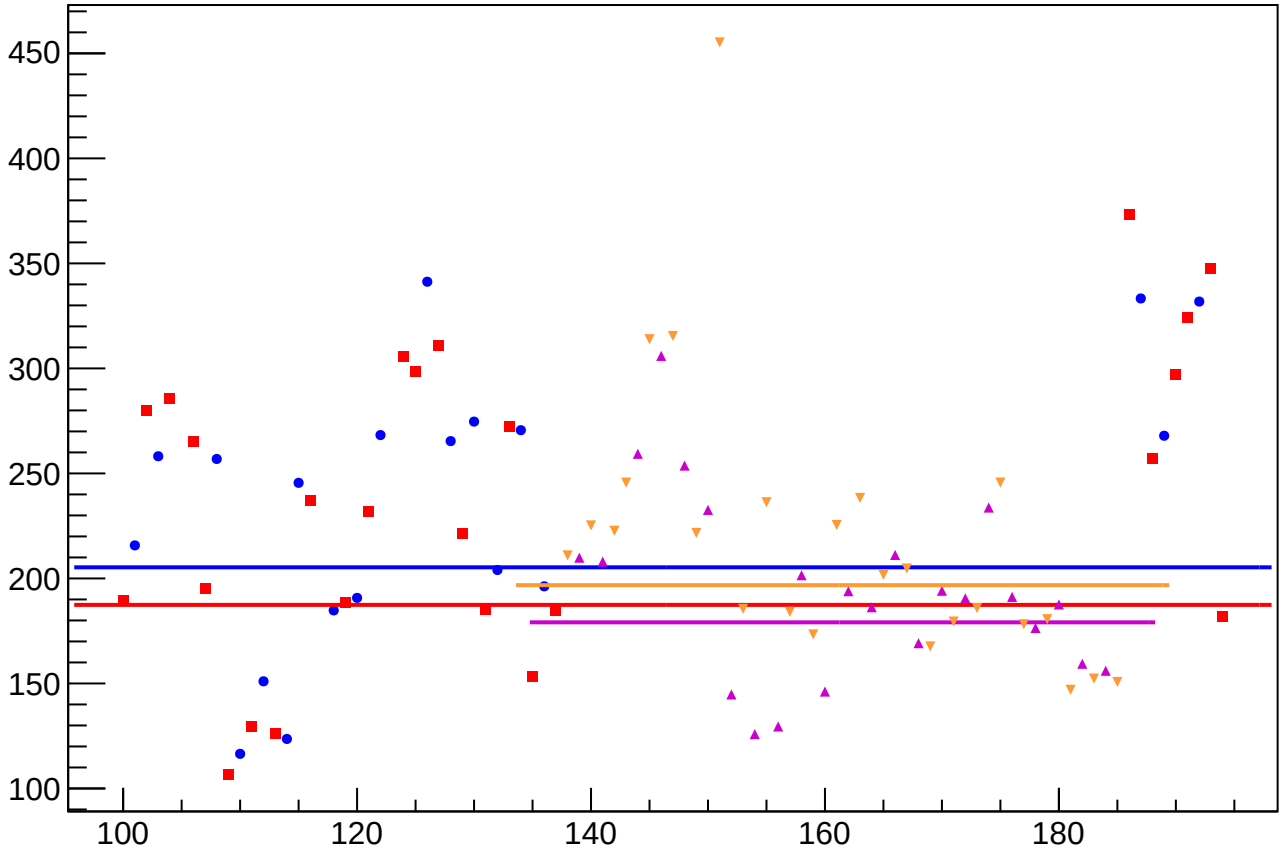
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 80.622+/-39.127 χ^2/NDF: 36.9/43

All: 25.516+/-26.341 χ^2/NDF: 79.6/91

- sign -20.158+/-35.622 χ^2/NDF: 39.1/47

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: 187.408+/-0.043 χ^2/NDF: 2584822.8/24

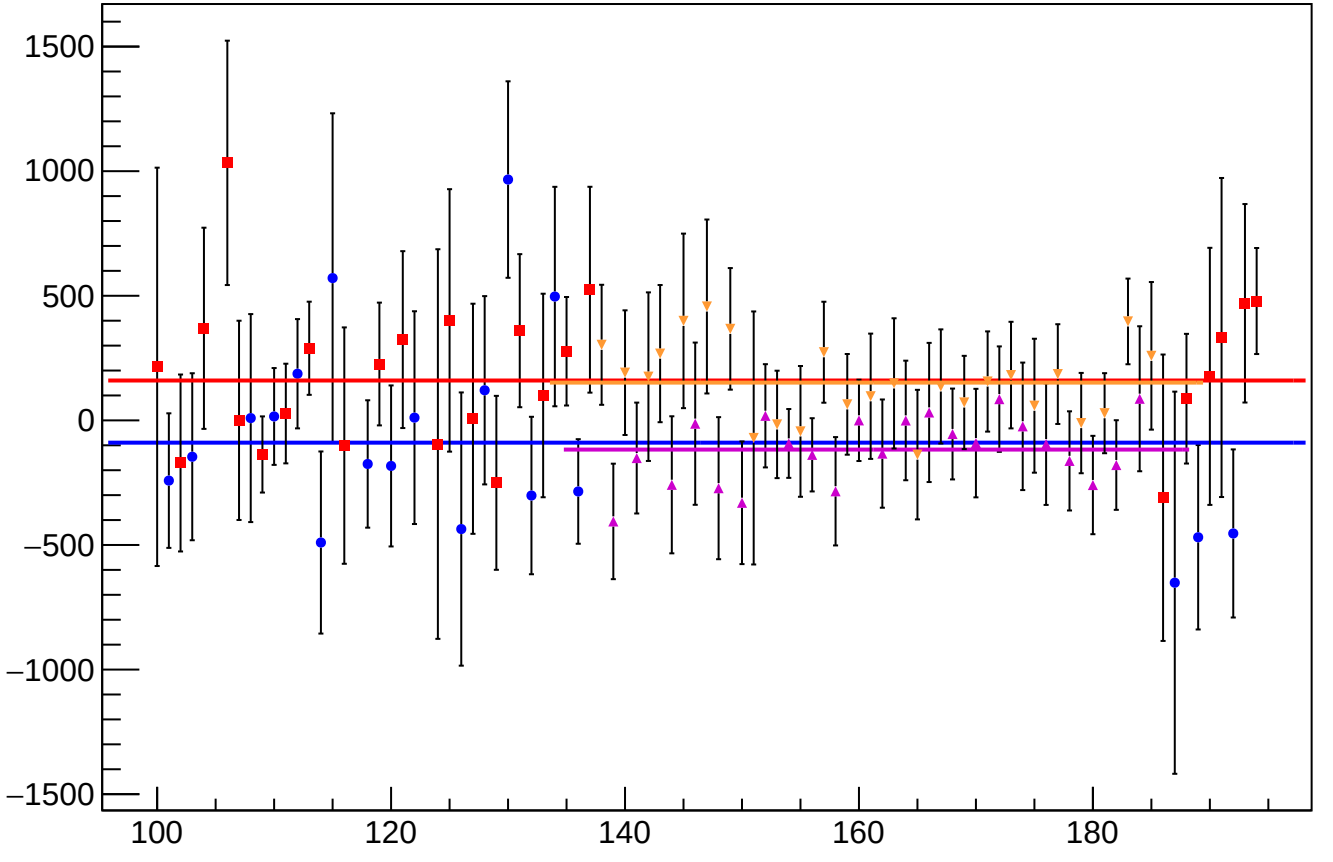
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

\+ sign 199.252+/-0.028 χ^2/NDF: 3298618.3/43

All: 189.764+/-0.019 χ^2/NDF: 7778730.6/91

\- sign 181.899+/-0.025 χ^2/NDF: 4264985.7/47

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: 160.008+/-61.375 χ^2/NDF: 16.8/24

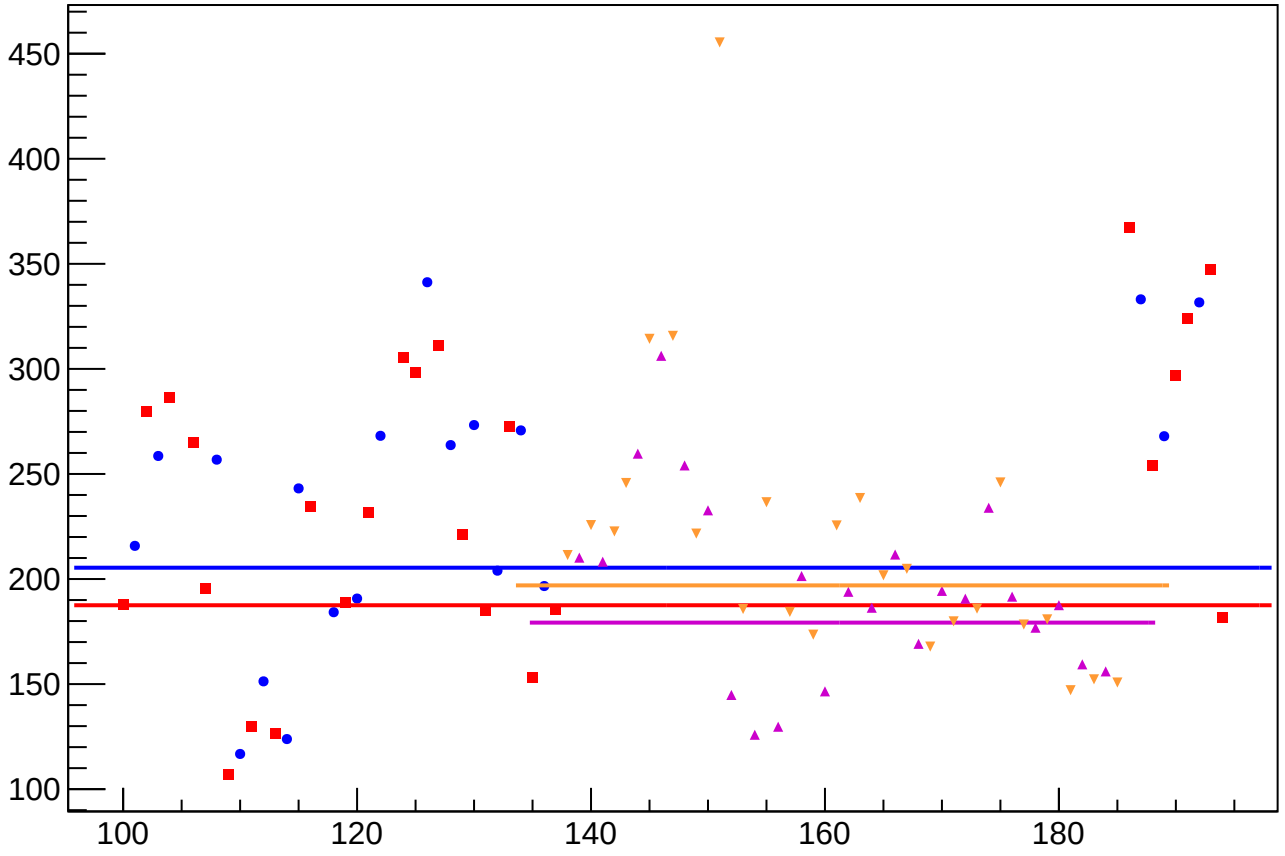
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 82.047+/-39.152 χ^2/NDF: 35.9/43

All: 24.221+/-26.356 χ^2/NDF: 77.6/91

- sign -23.697+/-35.640 χ^2/NDF: 37.7/47

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: 187.520+/-0.043 χ^2/NDF: 2556491.4/24

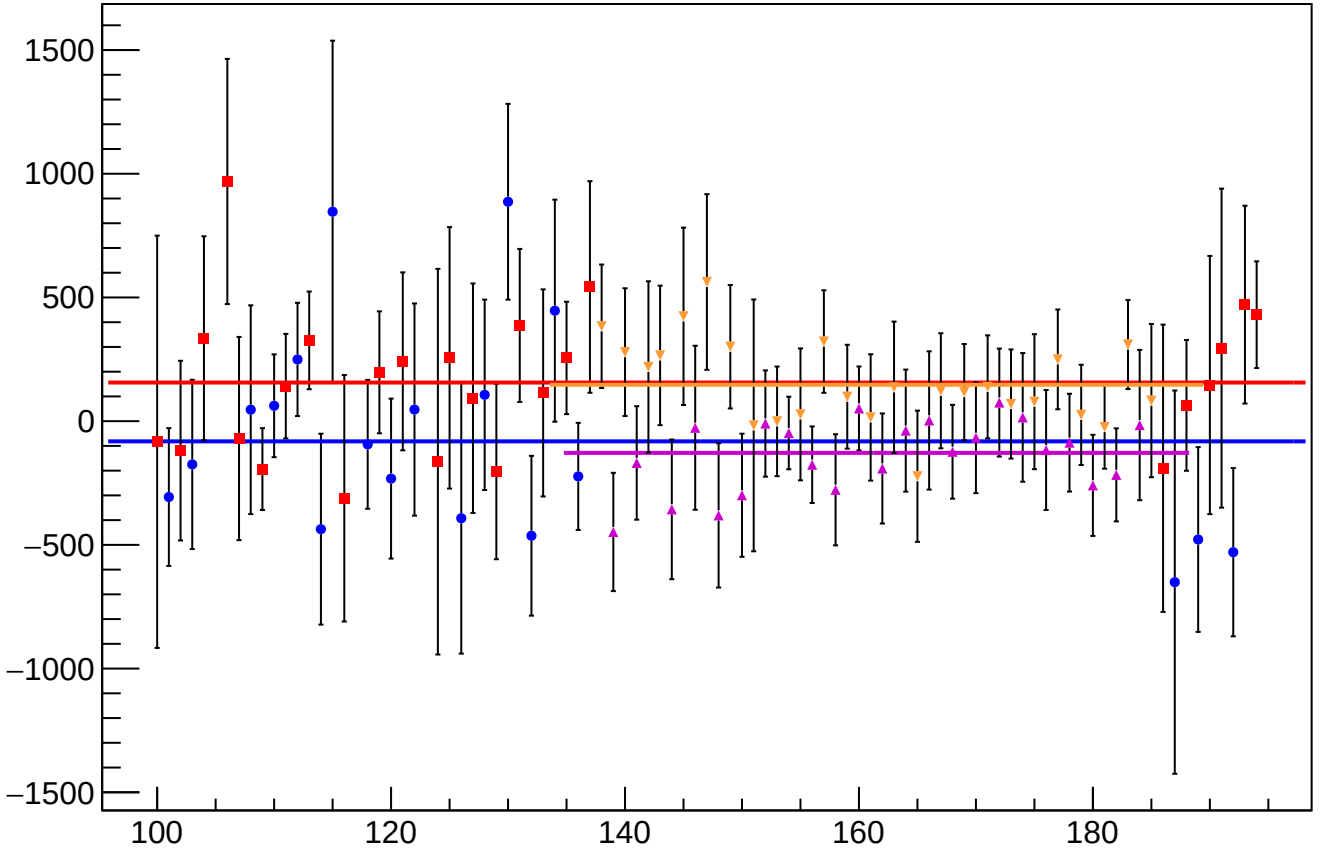
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

\+ sign 199.403+/-0.028 χ^2/NDF: 3287471.1/43

All: 189.910+/-0.019 χ^2/NDF: 7739056.3/91

\- sign 182.043+/-0.025 χ^2/NDF: 4236549.0/47

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: 156.141+/-63.528 χ^2/NDF: 15.6/24

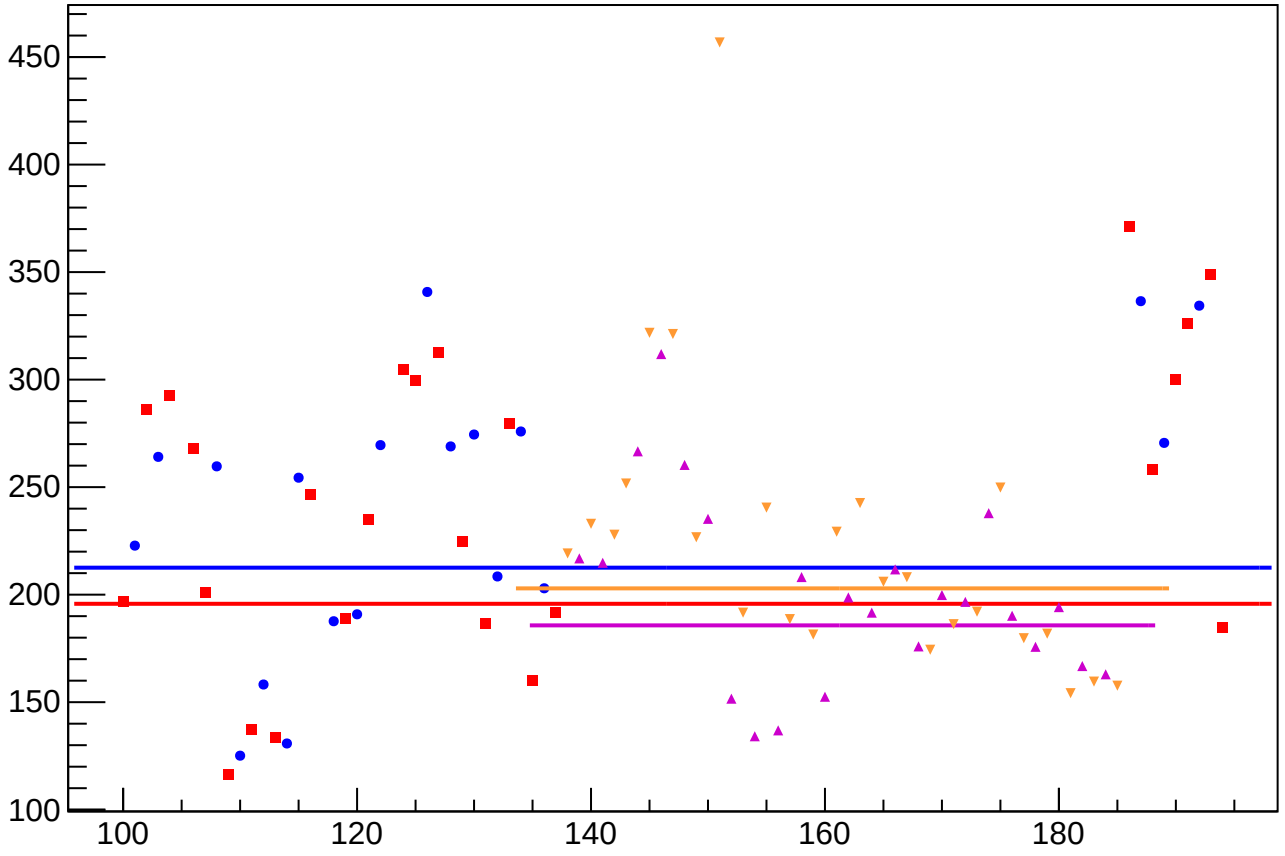
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 81.144+/-40.256 χ^2/NDF: 36.3/43

All: 19.221+/-27.173 χ^2/NDF: 78.1/91

- sign -32.608+/-36.829 χ^2/NDF: 37.5/47

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: 195.750+/-0.045 χ^2/NDF: 2278186.0/24

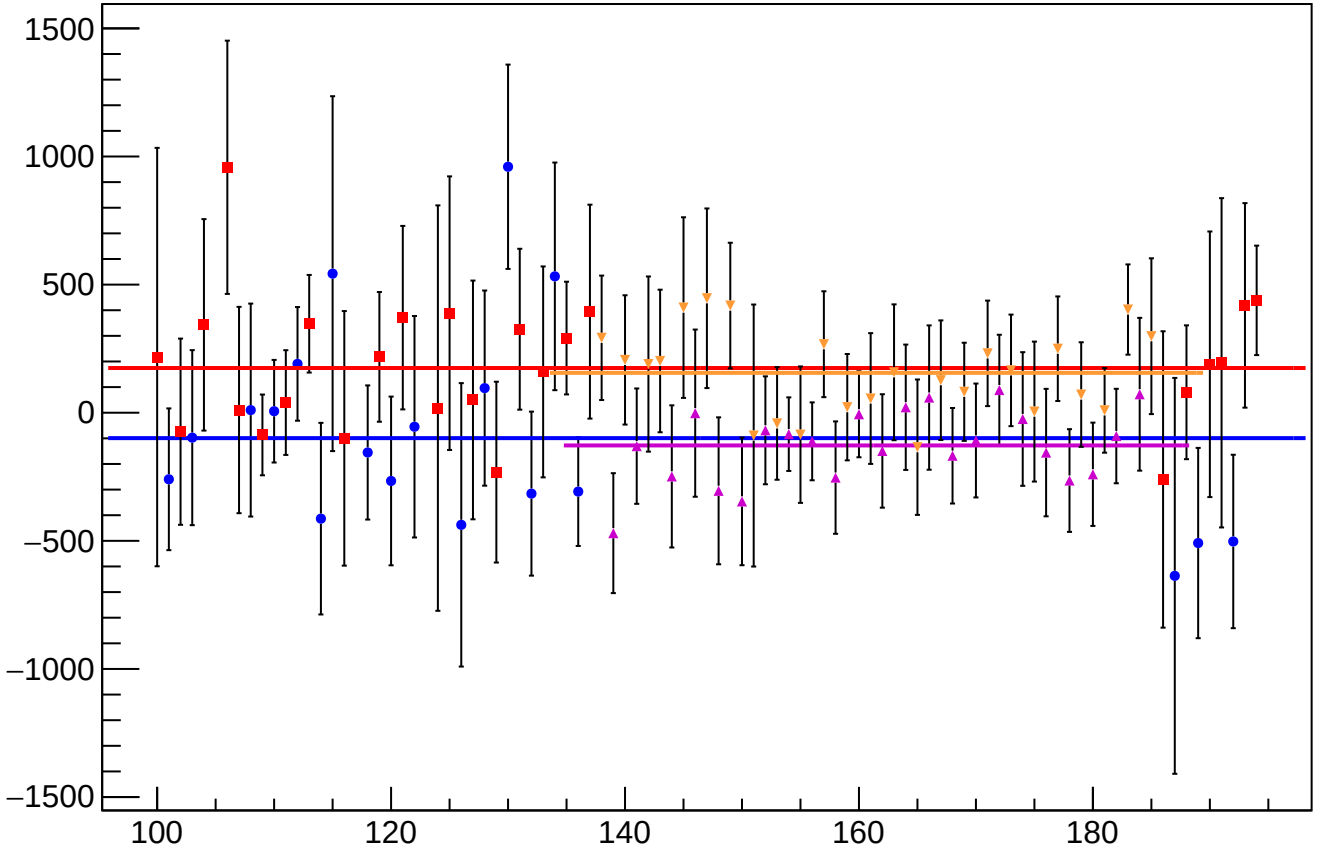
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 205.694+/-0.028 χ^2/NDF: 3025136.8/43

All: 196.654+/-0.019 χ^2/NDF: 7011193.5/91

- sign 189.088+/-0.026 χ^2/NDF: 3800797.0/47

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: 174.504+/-62.421 χ^2/NDF: 12.9/24

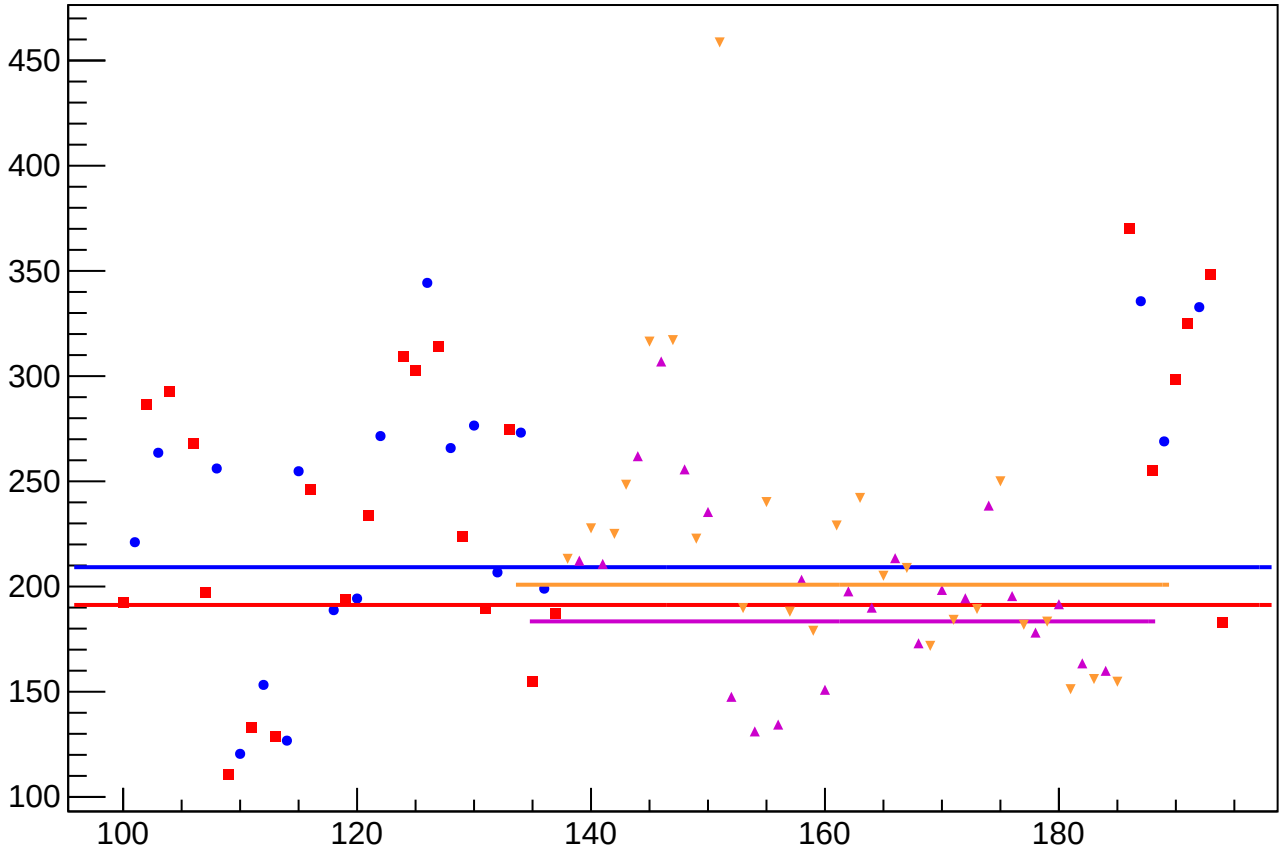
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 81.925+/-39.844 χ^2/NDF: 37.6/43

All: 23.427+/-26.850 χ^2/NDF: 78.0/91

- sign -25.239+/-36.341 χ^2/NDF: 36.4/47

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: 191.243+/-0.044 χ^2/NDF: 2478535.5/24

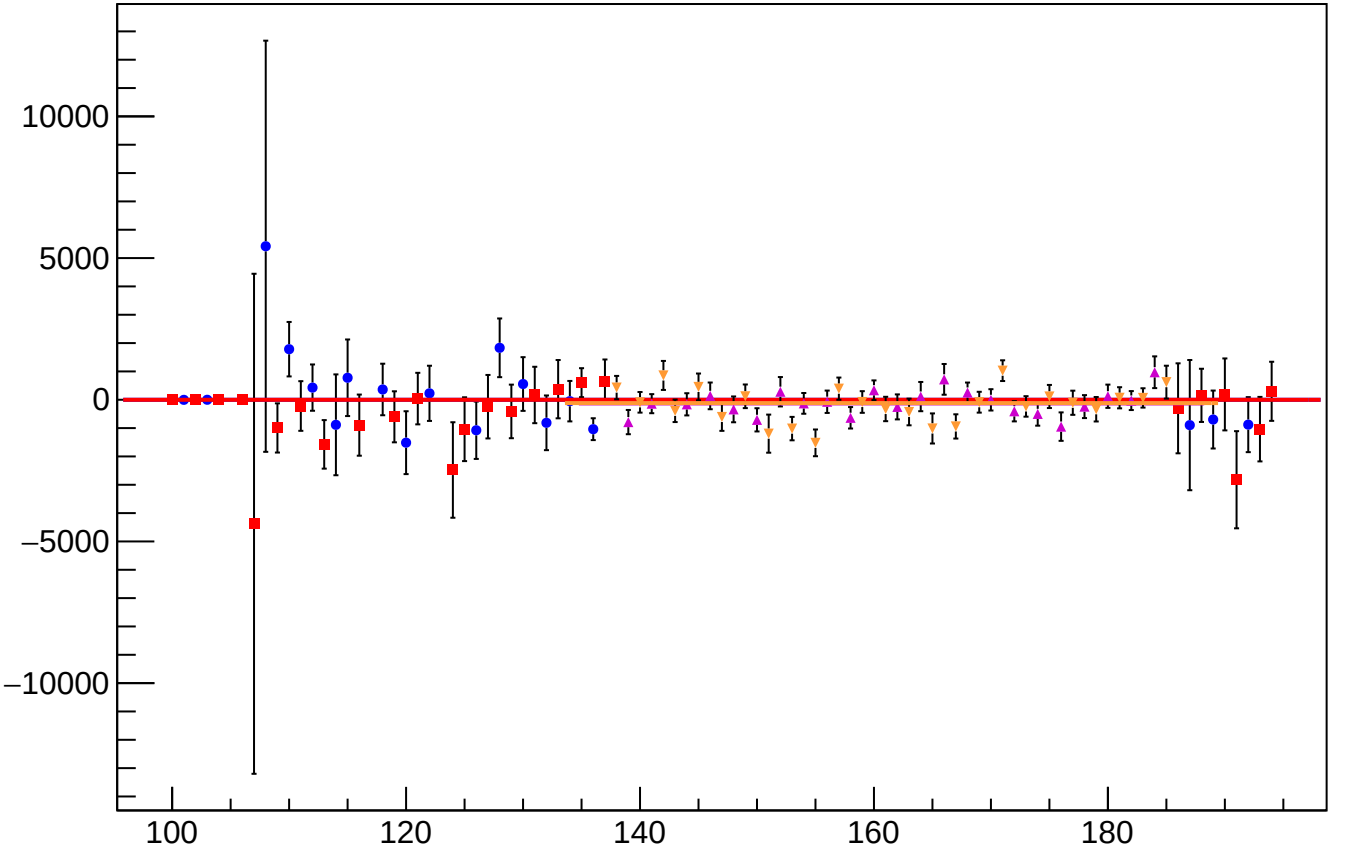
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 203.275+/-0.028 χ^2/NDF: 3147664.4/43

All: 193.889+/-0.019 χ^2/NDF: 7380888.1/91

- sign 186.081+/-0.026 χ^2/NDF: 4029912.1/47

asym_cav4bQ_mean vs Slug



Right In: -1.247+/-2.171 χ^2/NDF: 21.3/18

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.383+/-2.022 χ^2/NDF: 20.6/24

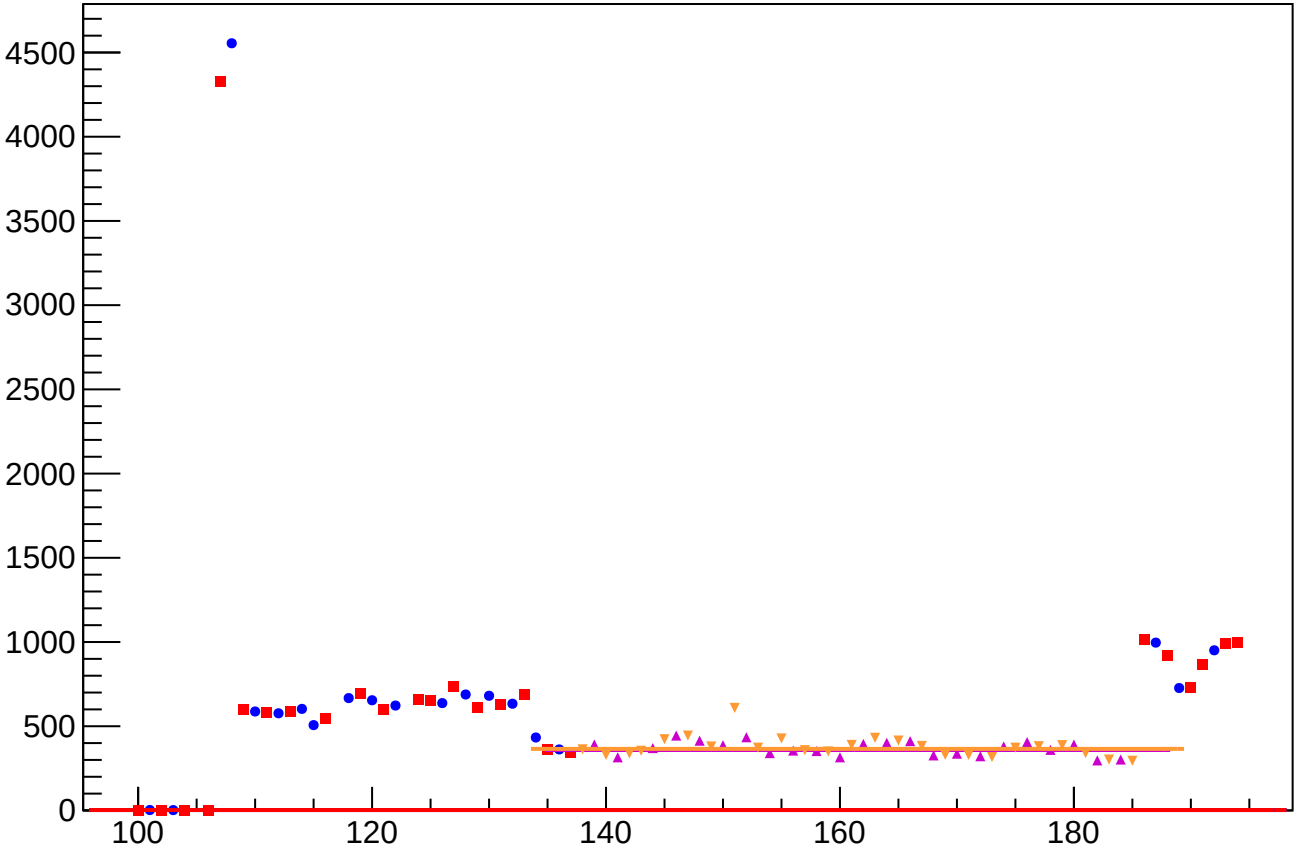
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.325+/-2.170 χ^2/NDF: 69.6/43

All: -1.394+/-1.479 χ^2/NDF: 114.1/91

- sign -1.455+/-2.022 χ^2/NDF: 44.5/47

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: 2.478+/-0.001 χ^2/NDF: 18743653.2/24

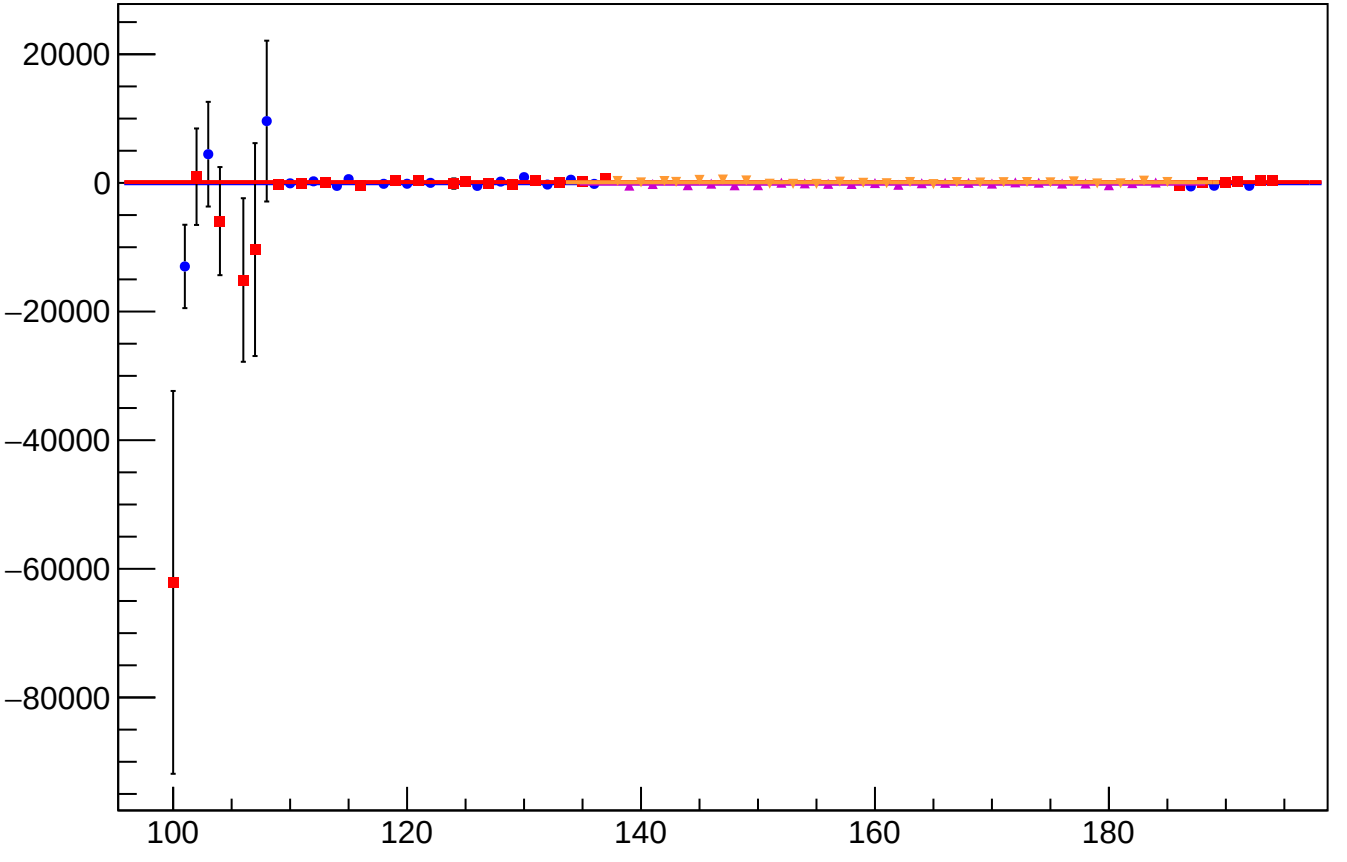
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.727+/-0.002 χ^2/NDF: 52746118.8/43

All: 2.701+/-0.001 χ^2/NDF: 107045283.2/91

- sign 2.679+/-0.001 χ^2/NDF: 54298653.0/47

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: 130.112+/-71.114 χ^2/NDF: 18.1/24

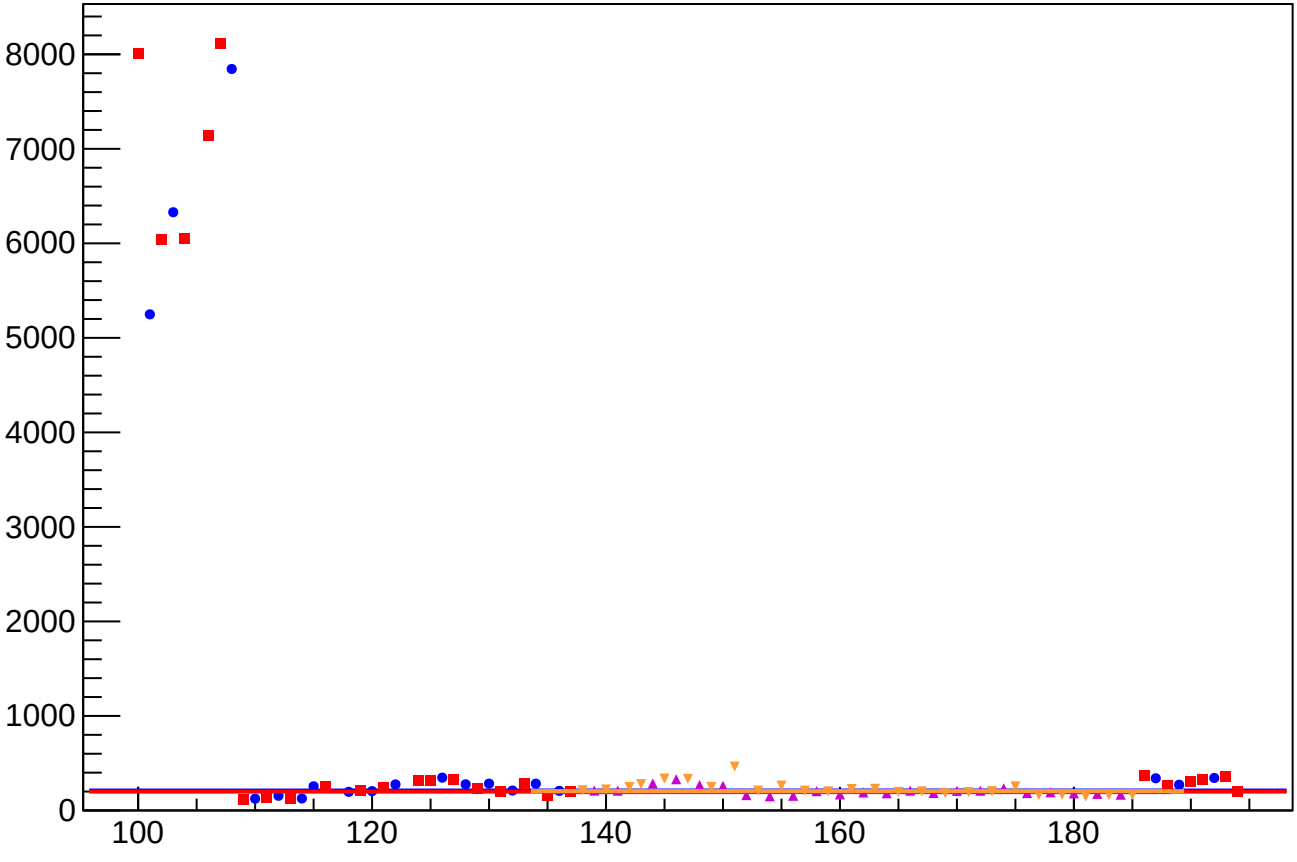
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign 61.017+/-41.663 χ^2/NDF: 35.2/43

All: 5.503+/-28.544 χ^2/NDF: 74.5/91

- sign -43.604+/-39.185 χ^2/NDF: 35.9/47

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: 199.315+/-0.050 χ^2/NDF: 5283438.0/24

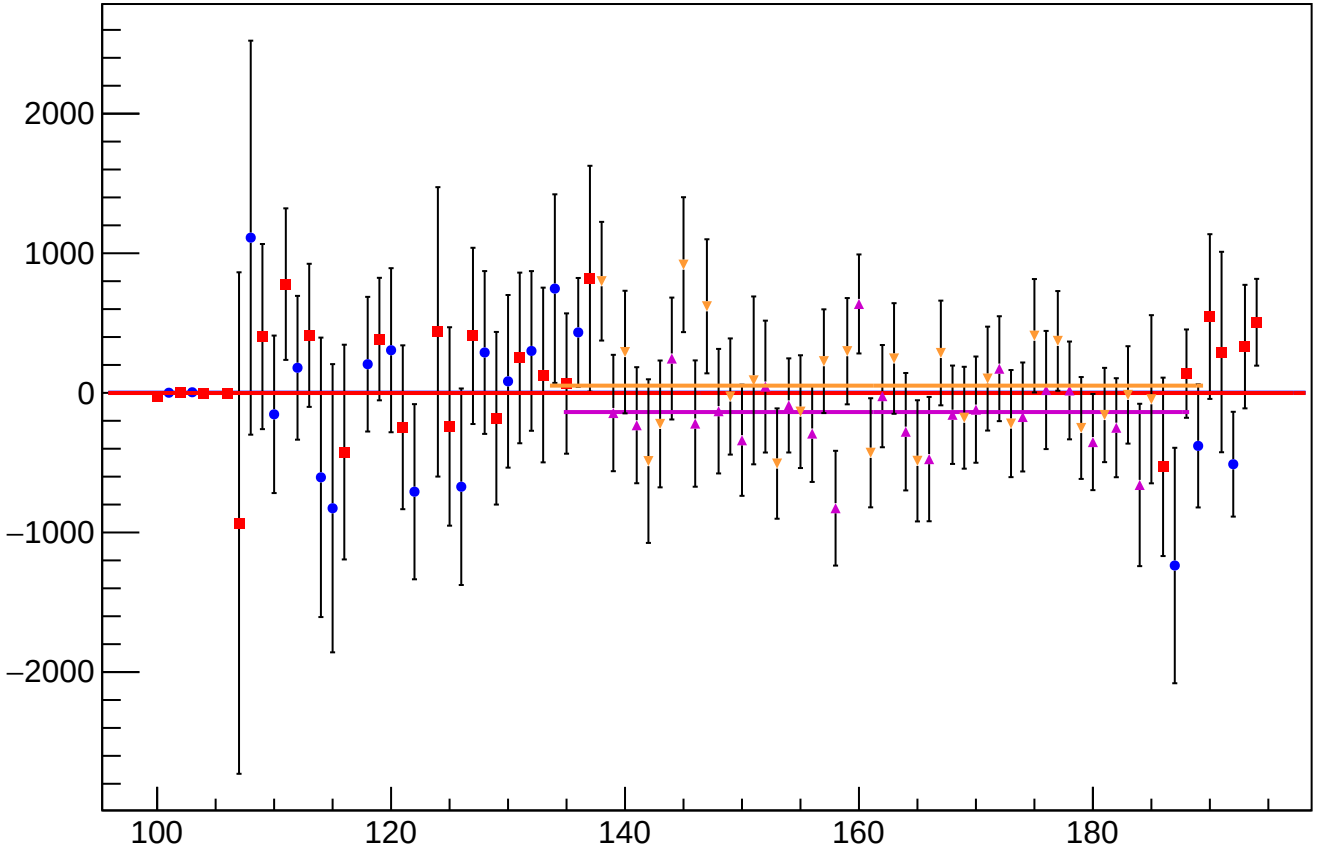
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 206.208+/-0.029 χ^2/NDF: 6383896.0/43

All: 200.548+/-0.020 χ^2/NDF: 12936575.8/91

- sign 195.541+/-0.028 χ^2/NDF: 6483117.0/47

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: -1.072+/-1.528 χ^2/NDF: 14.3/24

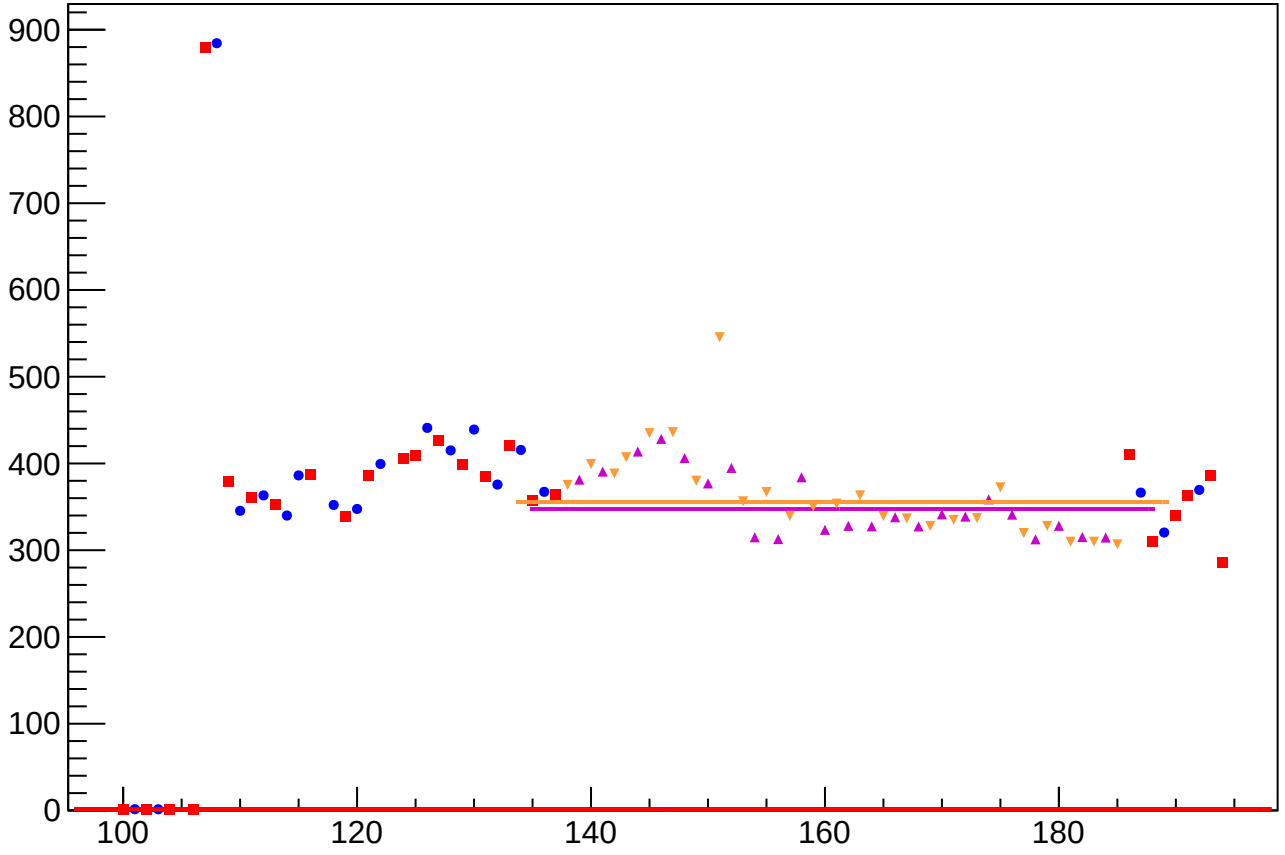
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.456+/-1.660 χ^2/NDF: 32.5/43

All: 0.062+/-1.124 χ^2/NDF: 63.0/91

- sign -1.119+/-1.527 χ^2/NDF: 29.2/47

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: 1.492+/-0.001 χ^2/NDF: 18341812.9/24

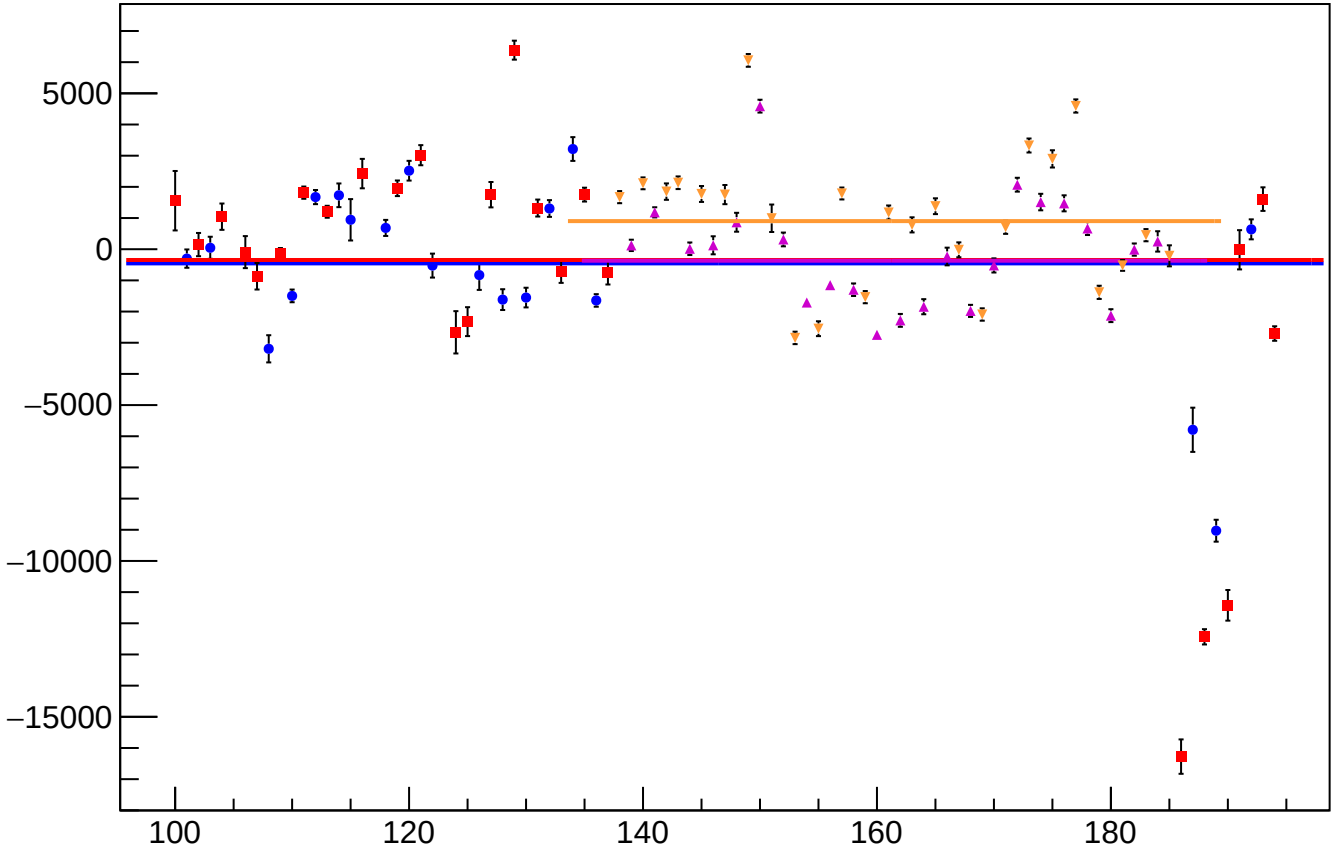
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

\+ sign 1.630+/-0.001 χ^2/NDF: 53284959.3/43

All: 1.620+/-0.001 χ^2/NDF: 107469913.4/91

\- sign 1.612+/-0.001 χ^2/NDF: 54184823.9/47

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: -345.751+/-61.788 χ^2/NDF: 5008.1/24

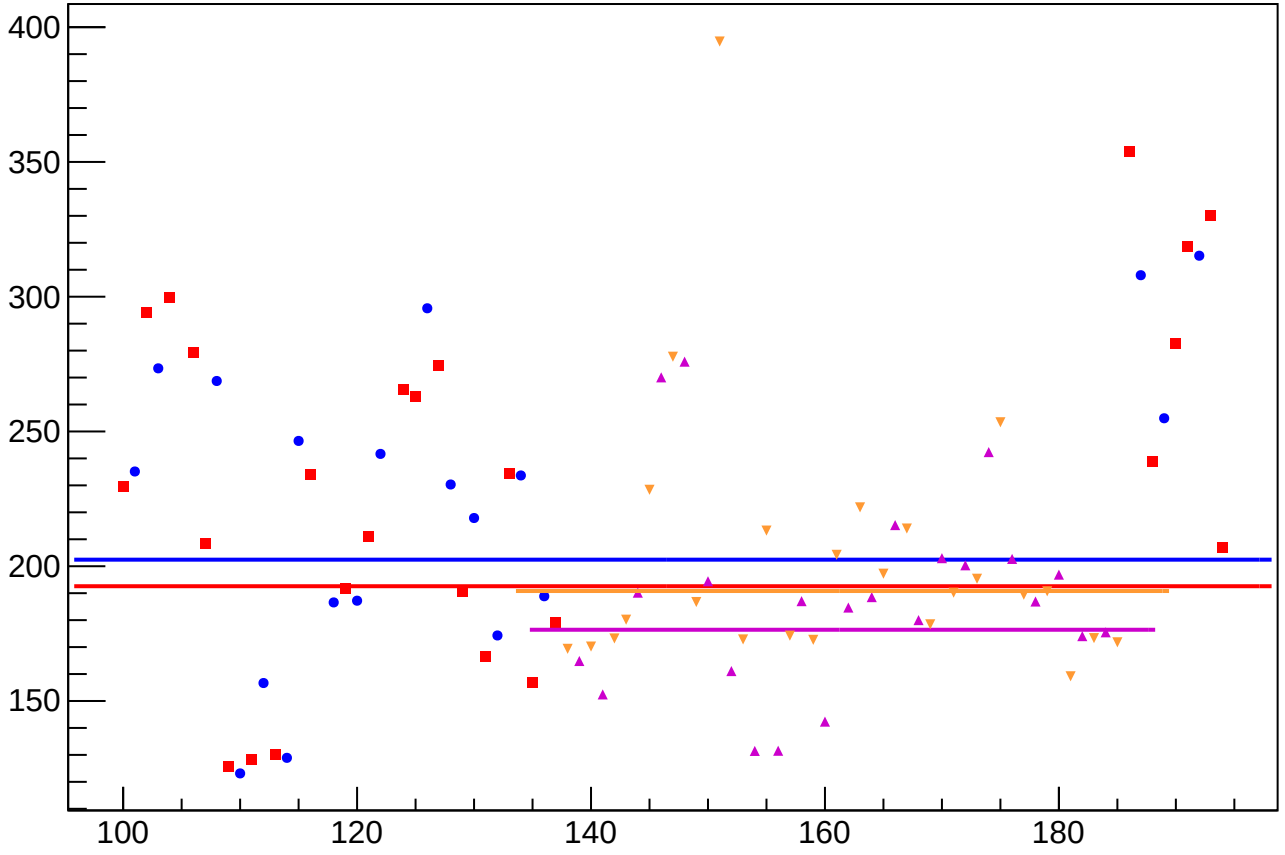
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 519.571+/-37.702 χ^2/NDF: 3833.6/43

All: 48.209+/-25.701 χ^2/NDF: 10726.7/91

- sign -360.979+/-35.128 χ^2/NDF: 6601.2/47

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: 192.582+/-0.044 χ^2/NDF: 1986757.5/24

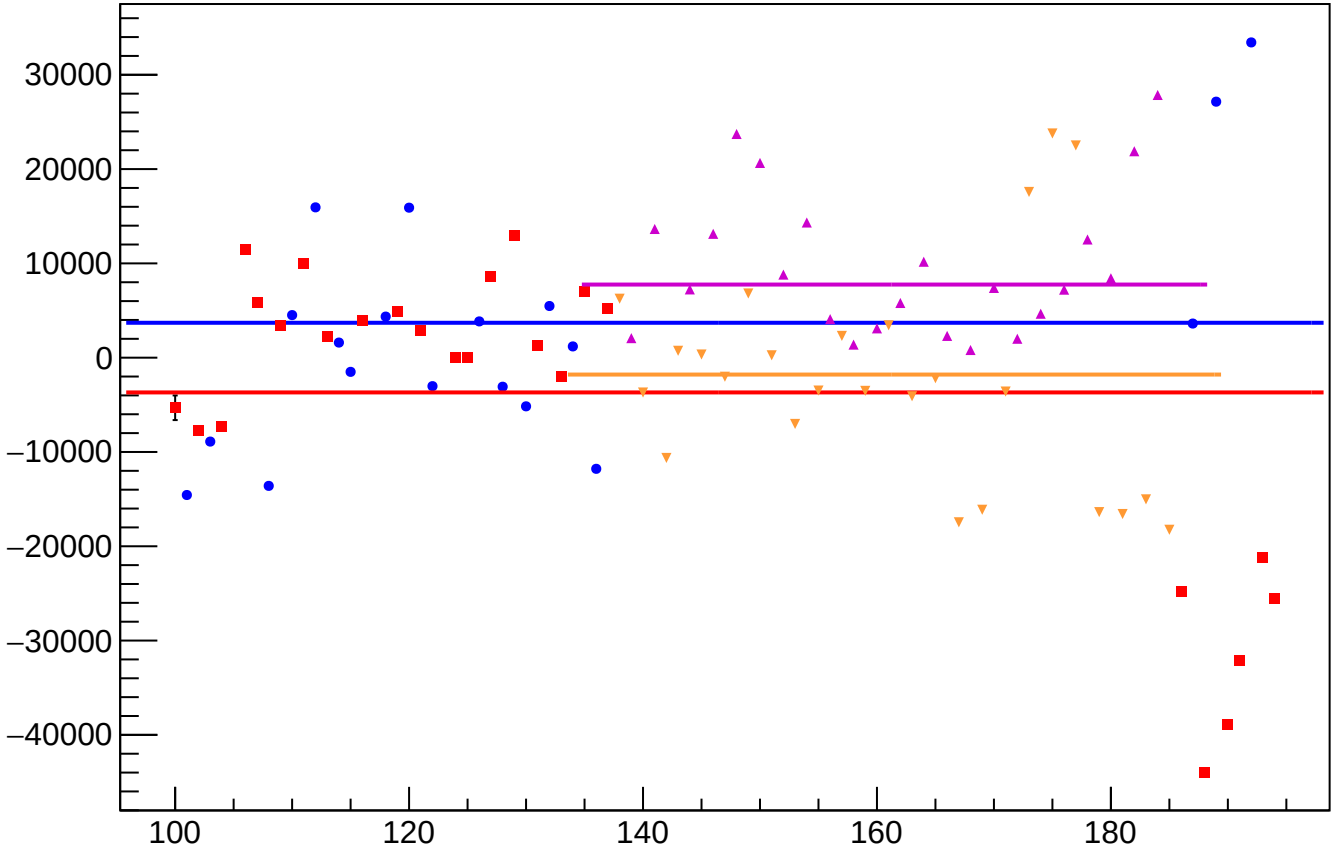
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 194.077+/-0.027 χ^2/NDF: 2187235.8/43

All: 187.425+/-0.018 χ^2/NDF: 5640416.0/91

- sign 181.651+/-0.025 χ^2/NDF: 3336896.3/47

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: -3684.732+/-45.640 χ^2/NDF: 128222.5/24

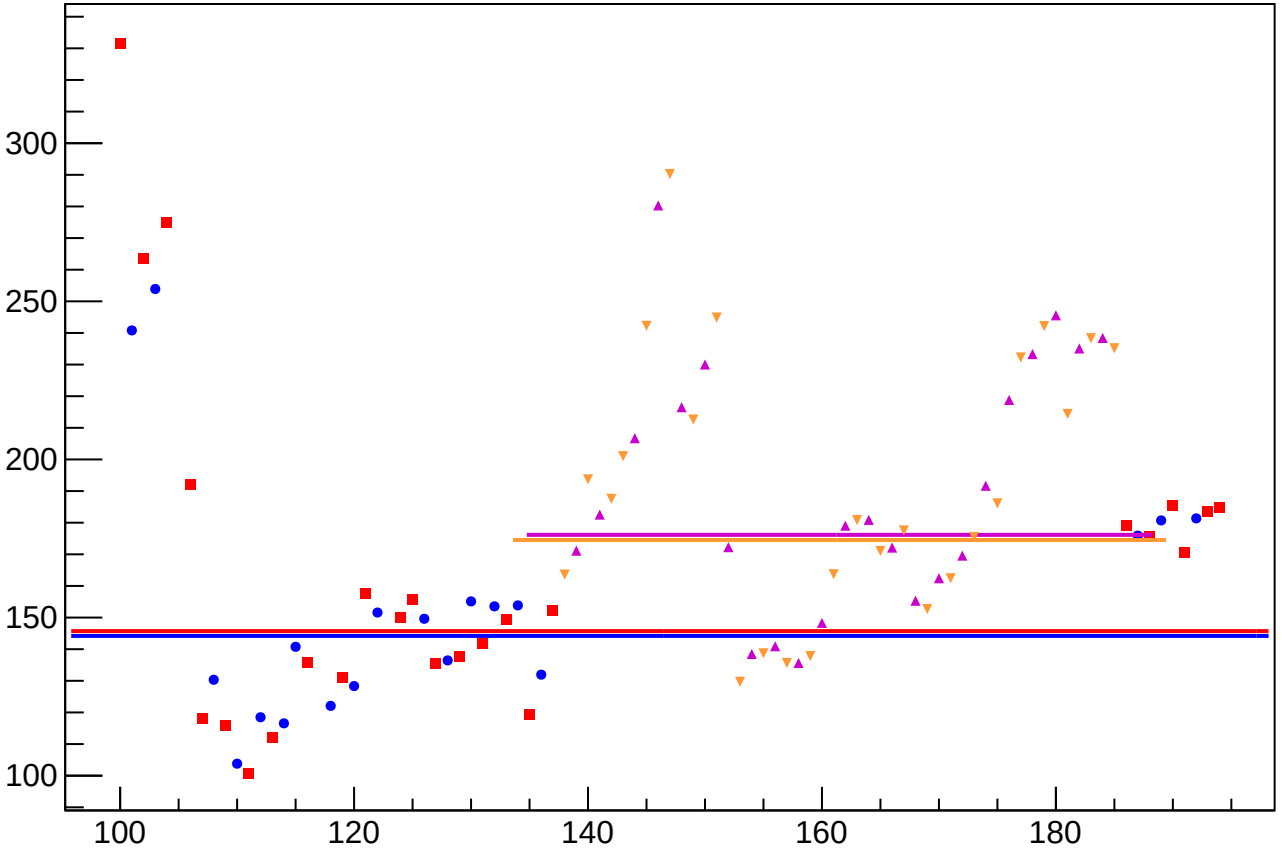
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 384.749+/-31.793 χ^2/NDF: 142935.0/43

All: 1430.069+/-22.243 χ^2/NDF: 330146.5/91

- sign 2432.297+/-31.131 χ^2/NDF: 185094.0/47

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: 145.718+/-0.032 χ^2/NDF: 1242826.1/24

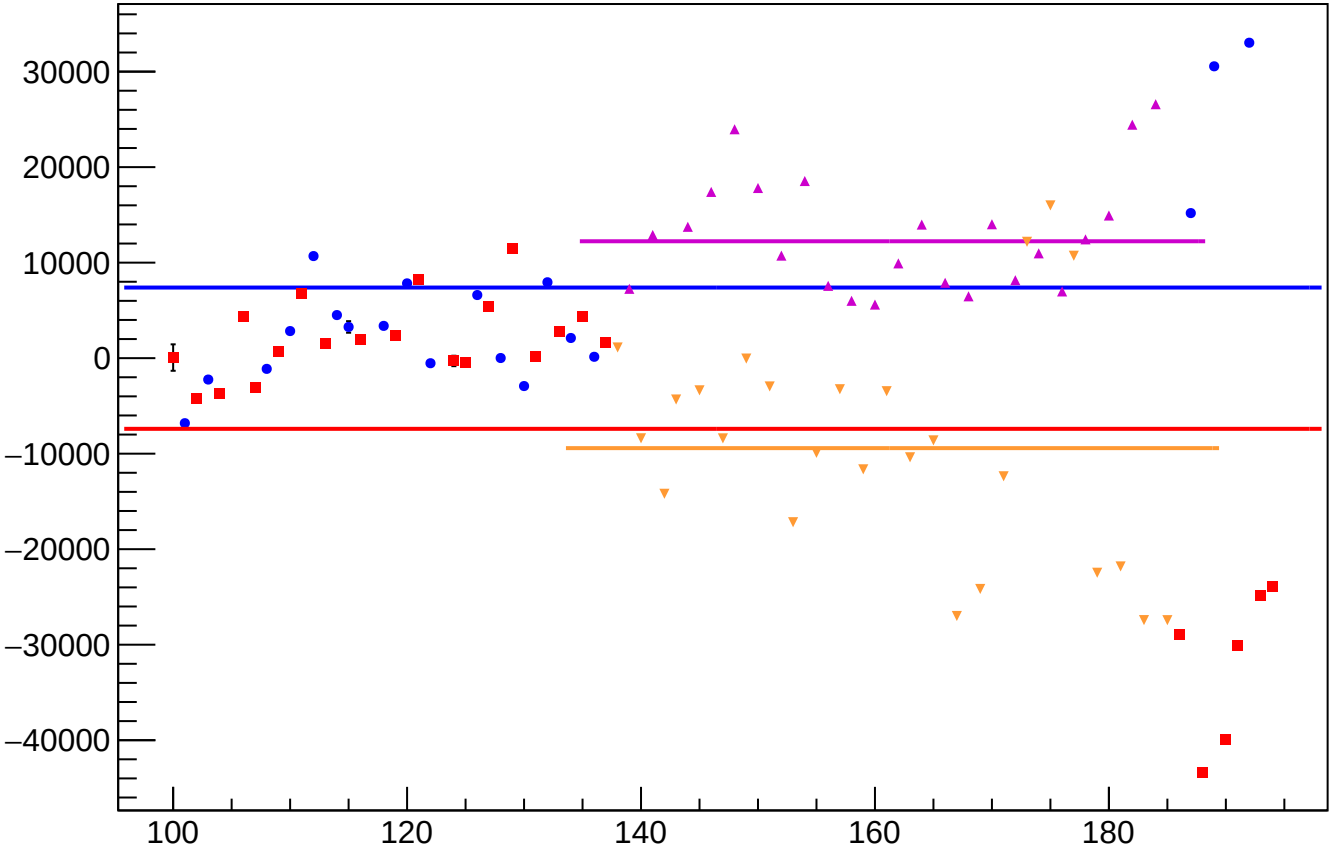
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 162.510+/-0.022 χ^2/NDF: 2908876.9/43

All: 162.247+/-0.016 χ^2/NDF: 5994683.4/91

- sign 161.994+/-0.022 χ^2/NDF: 3085536.6/47

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: -7399.638+/-54.854 χ^2/NDF: 97520.3/24

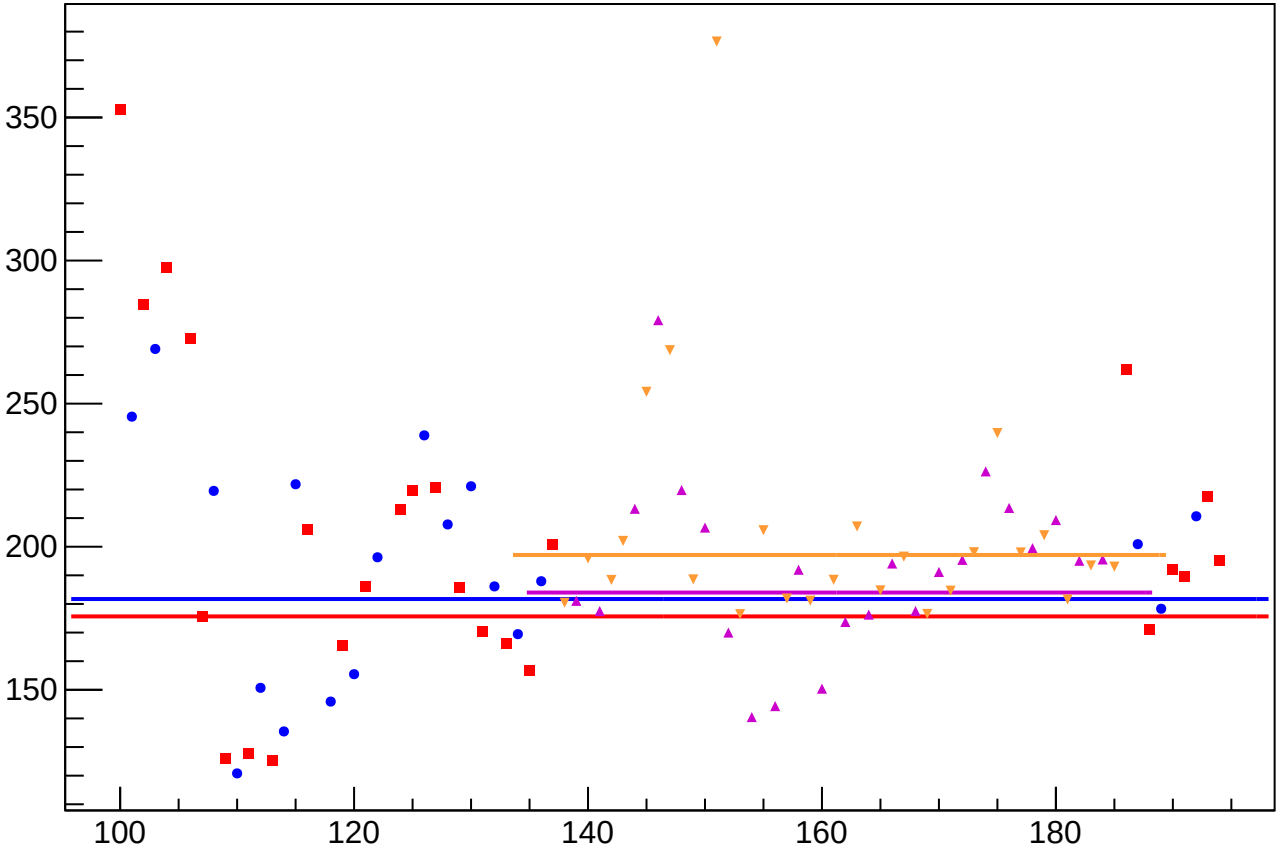
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -3632.122+/-37.005 χ^2/NDF: 143396.5/43

All: 733.156+/-25.201 χ^2/NDF: 360604.1/91

- sign 4508.687+/-34.415 χ^2/NDF: 191256.8/47

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: 175.646+/-0.039 χ^2/NDF: 1176979.0/24

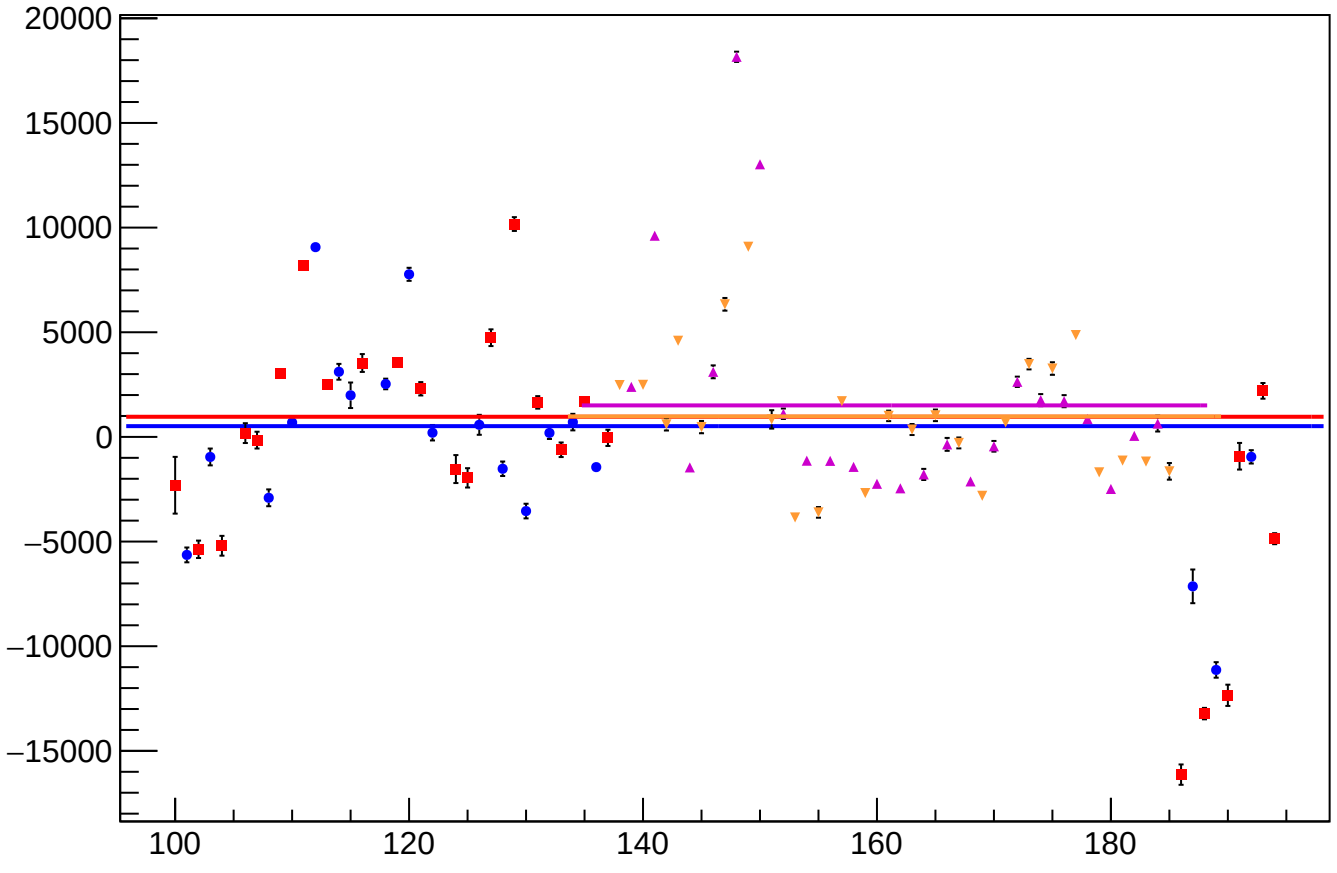
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.820+/-0.026 χ^2/NDF: 1529737.5/43

All: 185.859+/-0.018 χ^2/NDF: 3661319.8/91

- sign 180.703+/-0.024 χ^2/NDF: 2034786.8/47

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: 962.287+/-62.657 χ^2/NDF: 8316.4/24

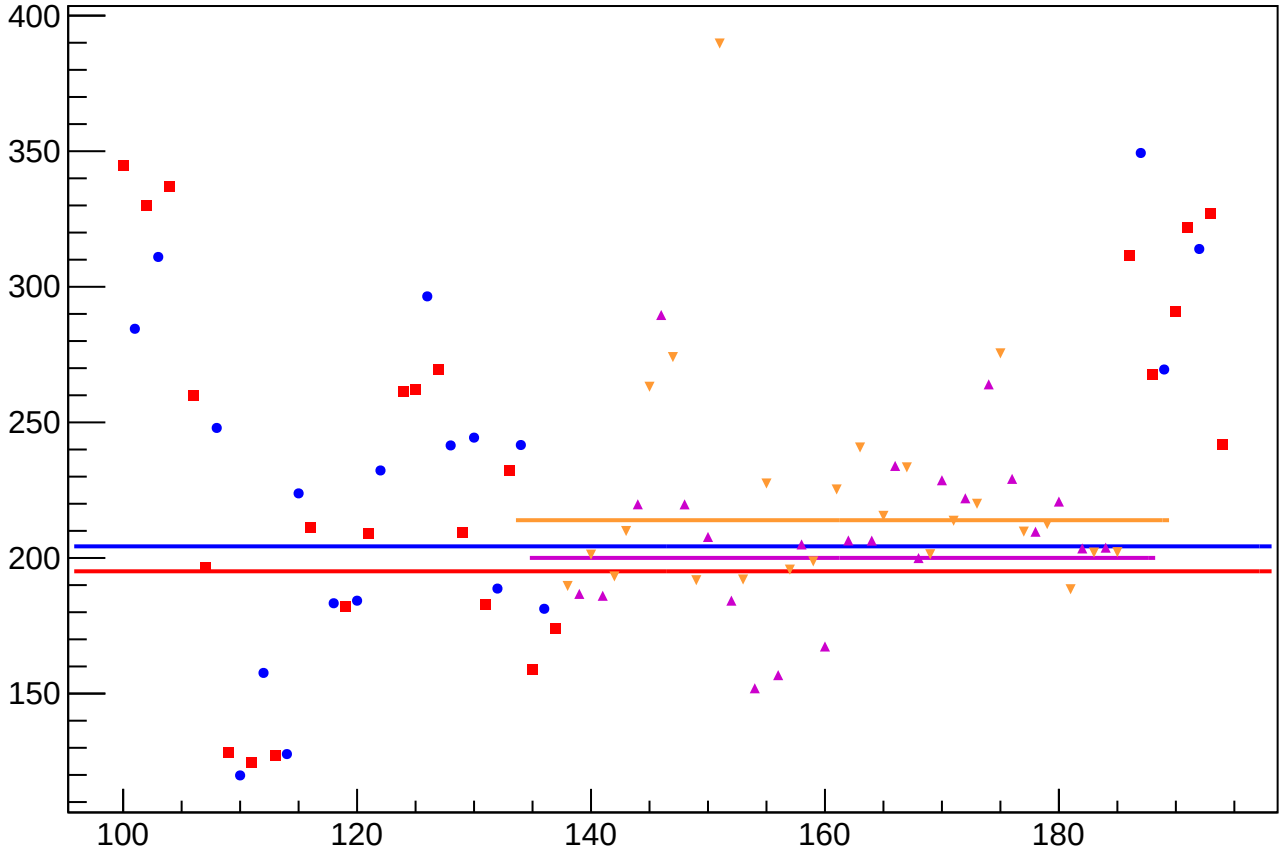
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 829.545+/-40.882 χ^2/NDF: 8174.4/43

All: 1083.325+/-27.884 χ^2/NDF: 28090.7/91

- sign 1304.078+/-38.129 χ^2/NDF: 19844.3/47

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: 195.088+/-0.044 χ^2/NDF: 2211229.9/24

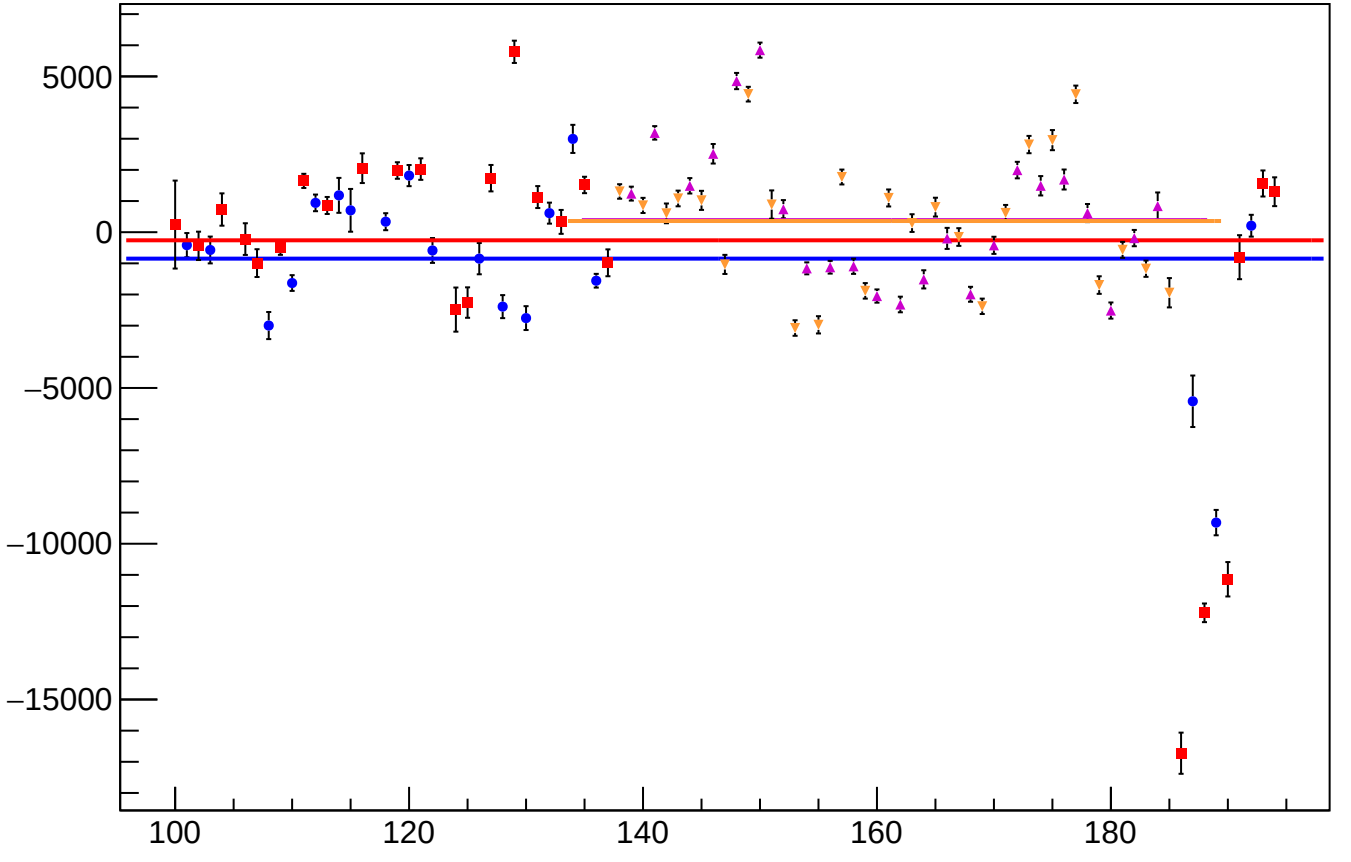
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 210.838+/-0.029 χ^2/NDF: 2122821.2/43

All: 204.079+/-0.020 χ^2/NDF: 5229613.8/91

- sign 198.200+/-0.027 χ^2/NDF: 3004590.3/47

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: -260.439+/-74.179 χ^2/NDF: 3268.1/24

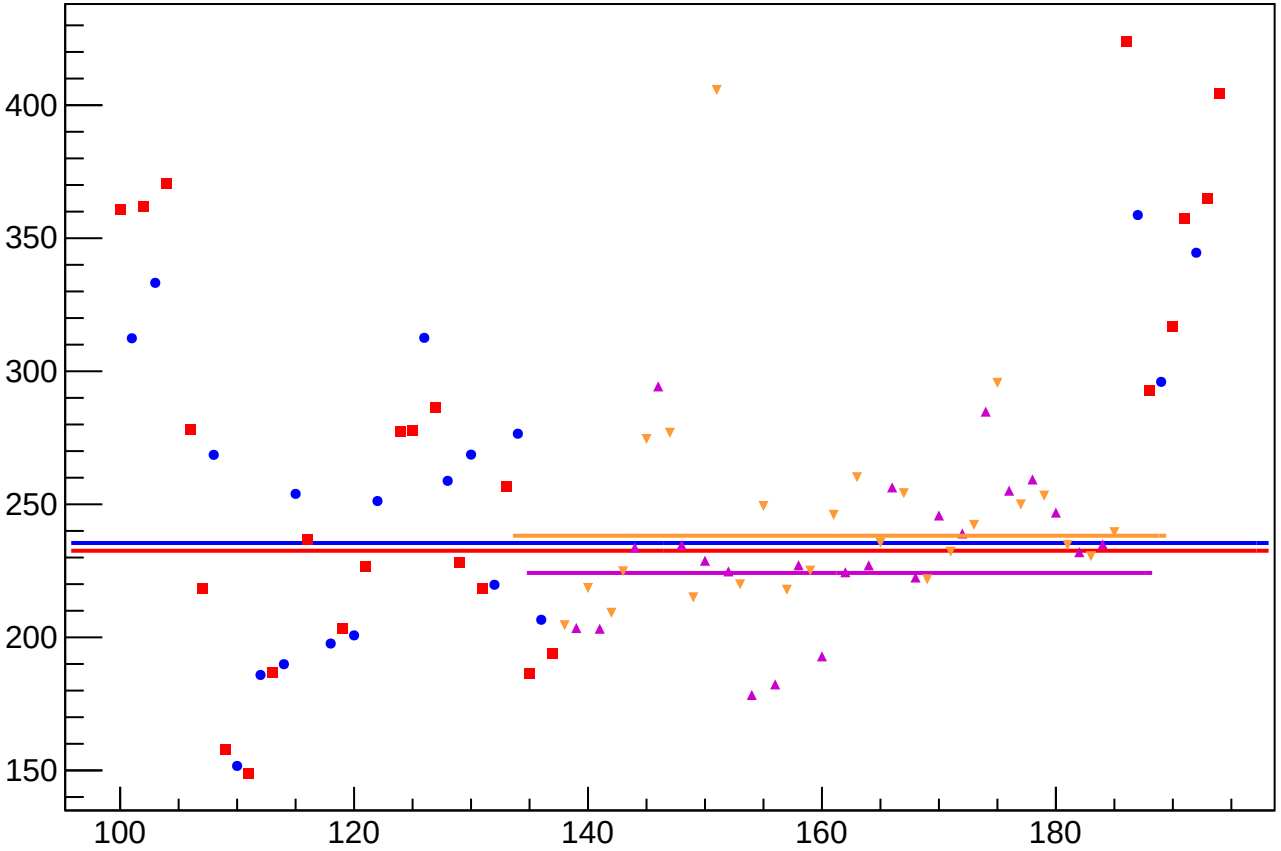
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.921+/-45.672 χ^2/NDF: 2364.7/43

All: 79.277+/-31.463 χ^2/NDF: 7495.3/91

- sign 165.267+/-43.407 χ^2/NDF: 5122.3/47

asym_bpm0i07WS_rms vs Slug



Right In: 235.466+/-0.058 χ^2/NDF: 966882.0/18

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 232.557+/-0.052 χ^2/NDF: 1902032.4/24

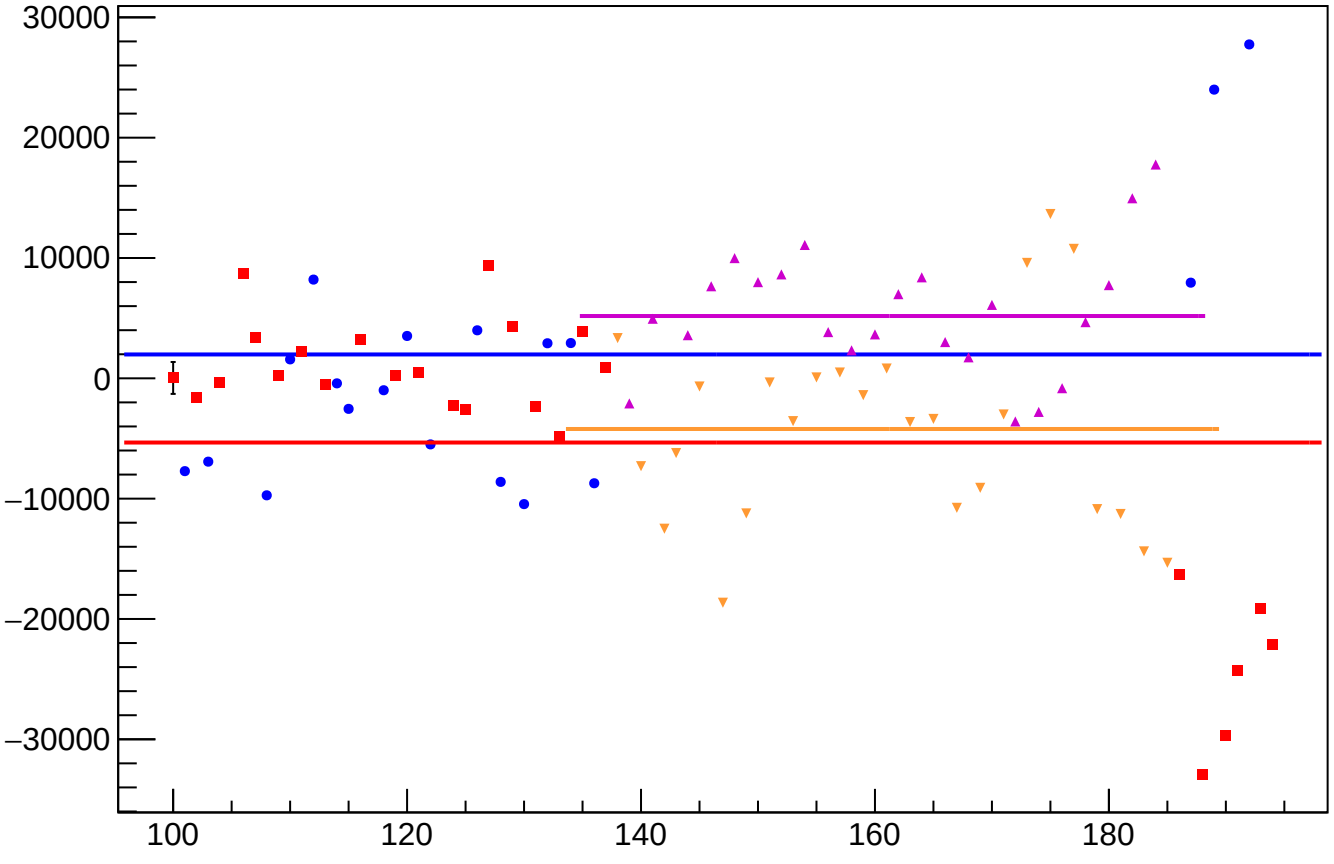
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 237.351+/-0.032 χ^2/NDF: 1536350.0/43

All: 231.949+/-0.022 χ^2/NDF: 4071515.1/91

- sign 227.069+/-0.031 χ^2/NDF: 2481906.5/47

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: -5335.781+/-38.499 χ^2/NDF: 101168.4/24

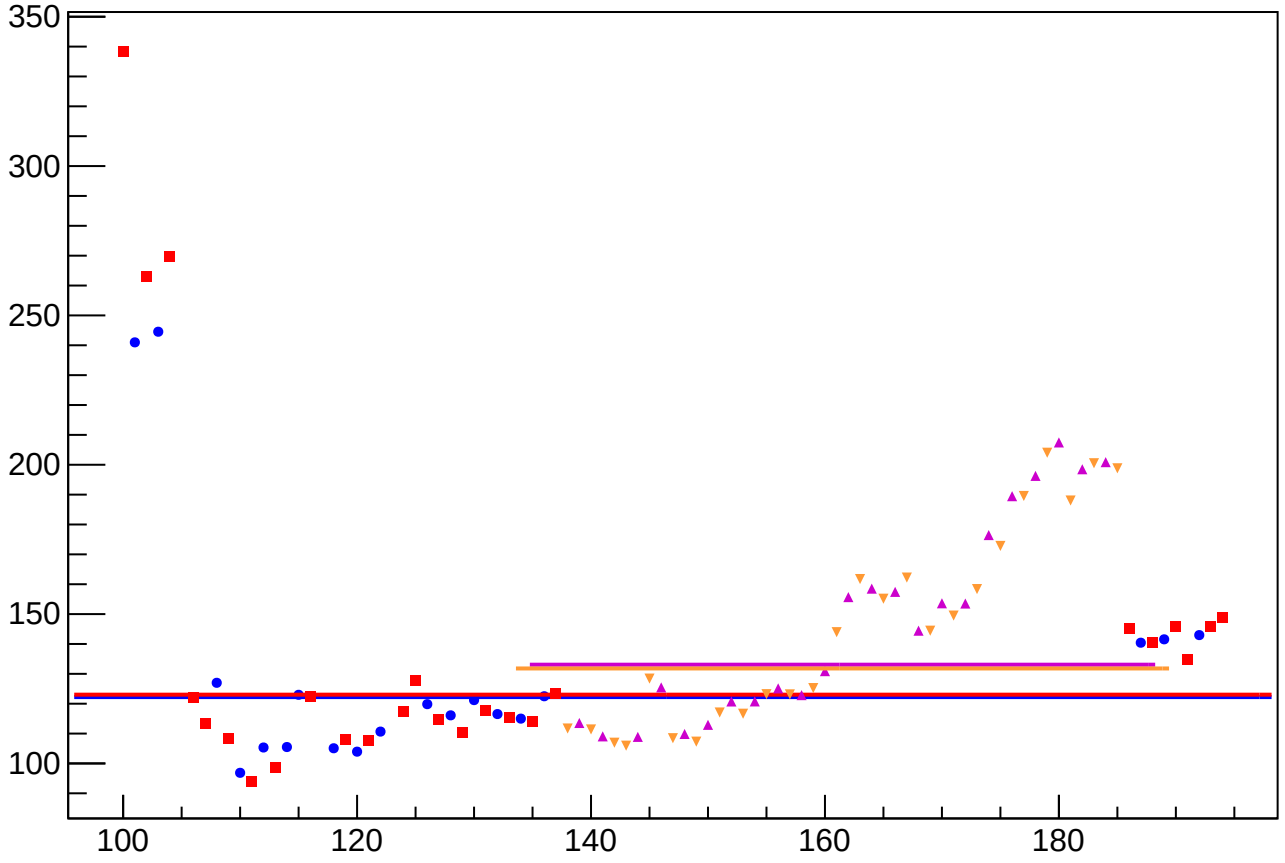
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -2107.278+/-25.054 χ^2/NDF: 138965.5/43

All: -582.380+/-17.551 χ^2/NDF: 310092.9/91

- sign 887.180+/-24.595 χ^2/NDF: 163852.8/47

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: 123.025+/-0.027 χ^2/NDF: 1079246.9/24

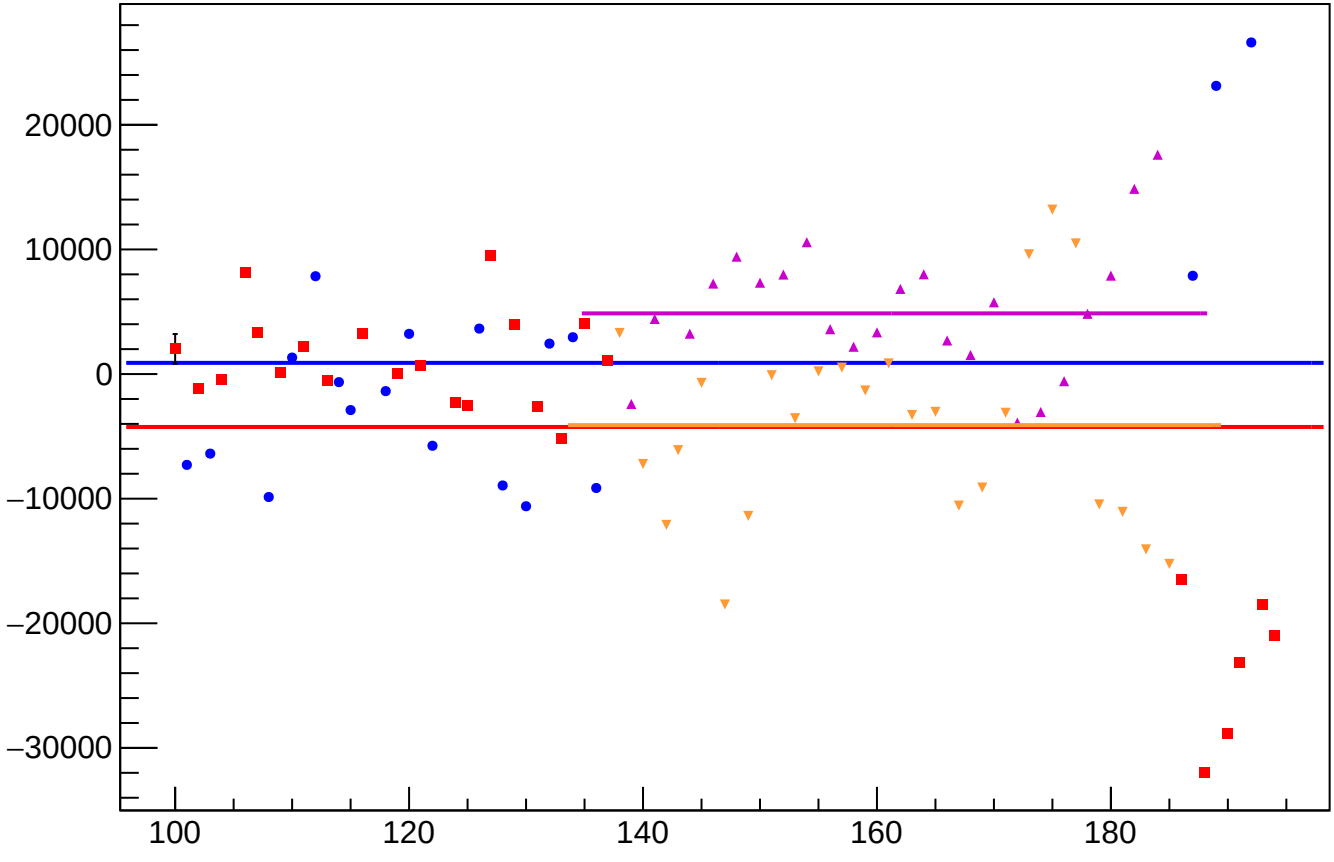
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 128.544+/-0.018 χ^2/NDF: 2422614.0/43

All: 128.758+/-0.012 χ^2/NDF: 5000849.4/91

- sign 128.965+/-0.017 χ^2/NDF: 2577947.3/47

asym_bpm2i01WS_mean vs Slug



Right In: 898.712+/-38.097 χ^2/NDF: 74168.8/18

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4245.352+/-34.700 χ^2/NDF: 107079.1/24

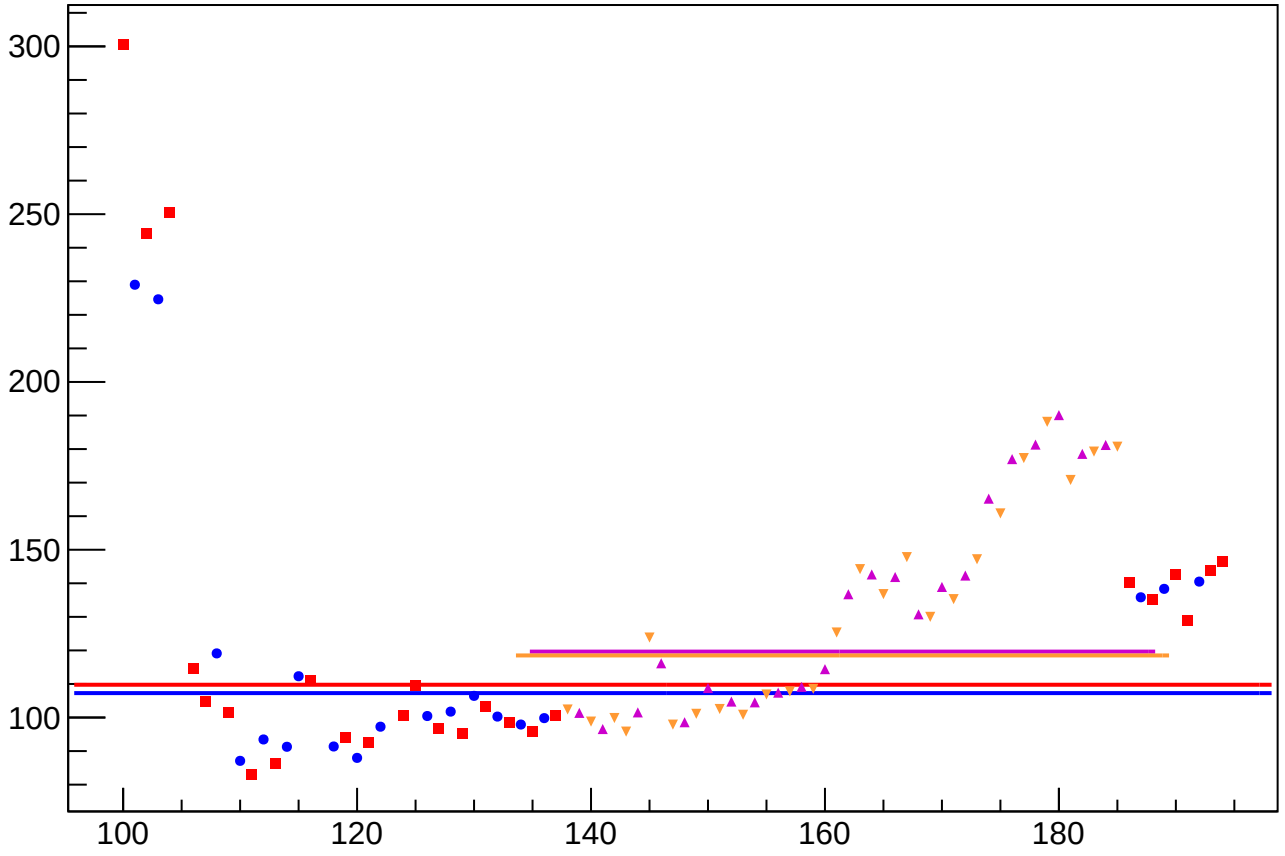
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -2364.706+/-22.442 χ^2/NDF: 151677.4/43

All: -585.340+/-15.770 χ^2/NDF: 333937.3/91

- sign 1150.487+/-22.165 χ^2/NDF: 169840.2/47

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: 109.768+/-0.025 χ^2/NDF: 1382402.5/24

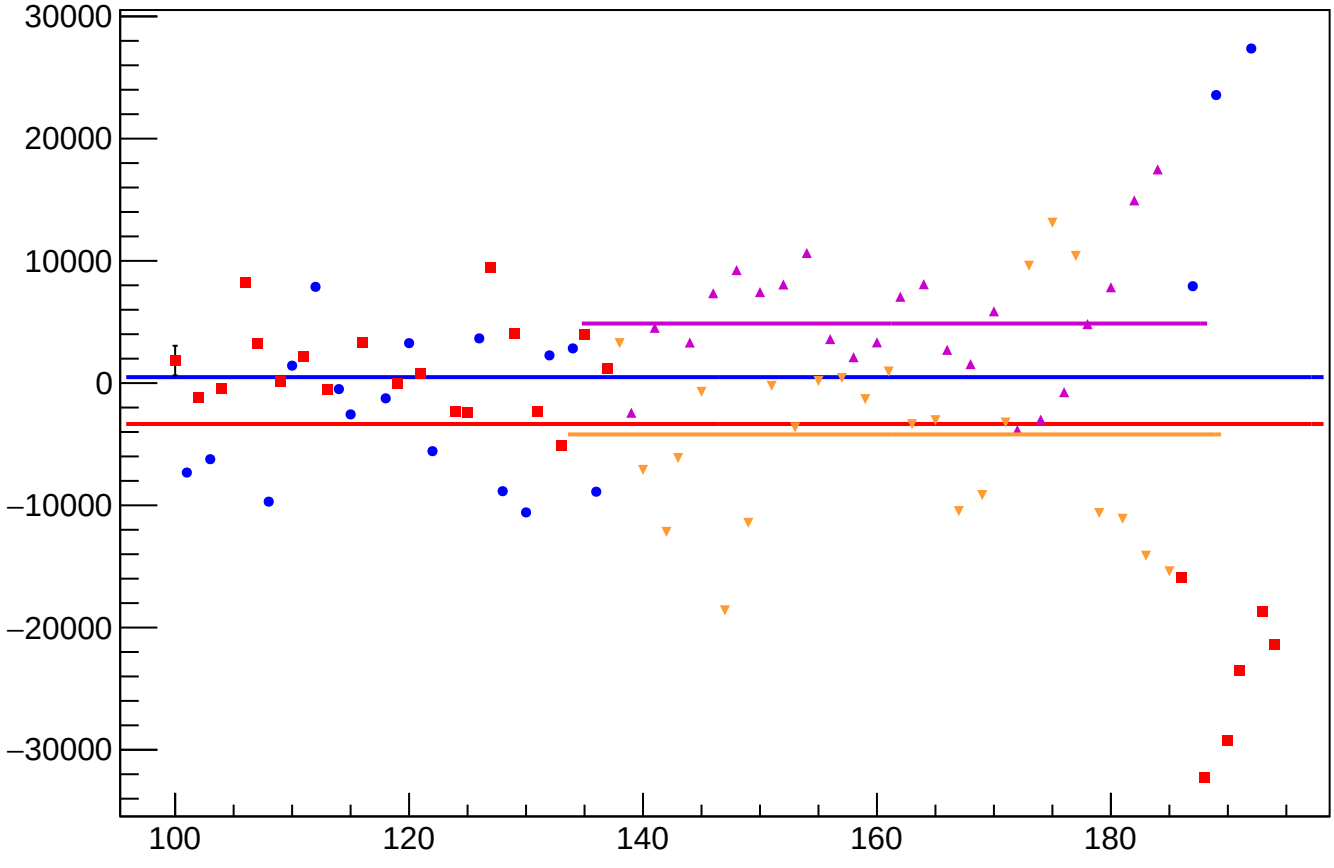
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 114.607+/-0.016 χ^2/NDF: 2768826.0/43

All: 115.117+/-0.011 χ^2/NDF: 5761564.3/91

- sign 115.615+/-0.016 χ^2/NDF: 2990695.4/47

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: -3344.476+/-33.901 χ^2/NDF: 100347.8/24

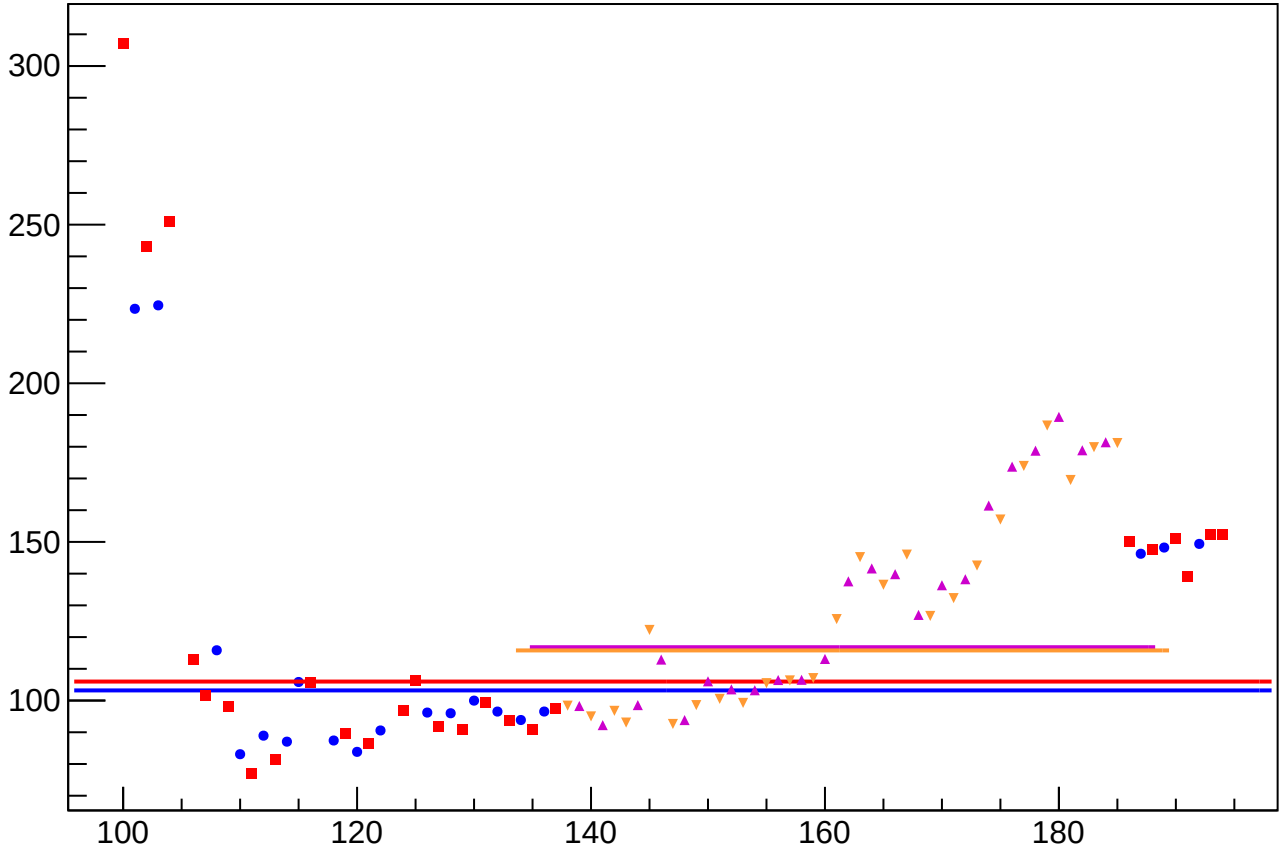
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -2550.994+/-21.913 χ^2/NDF: 153038.0/43

All: -497.540+/-15.412 χ^2/NDF: 328412.9/91

- sign 1512.418+/-21.680 χ^2/NDF: 157998.7/47

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: 105.984+/-0.024 χ^2/NDF: 1774281.8/24

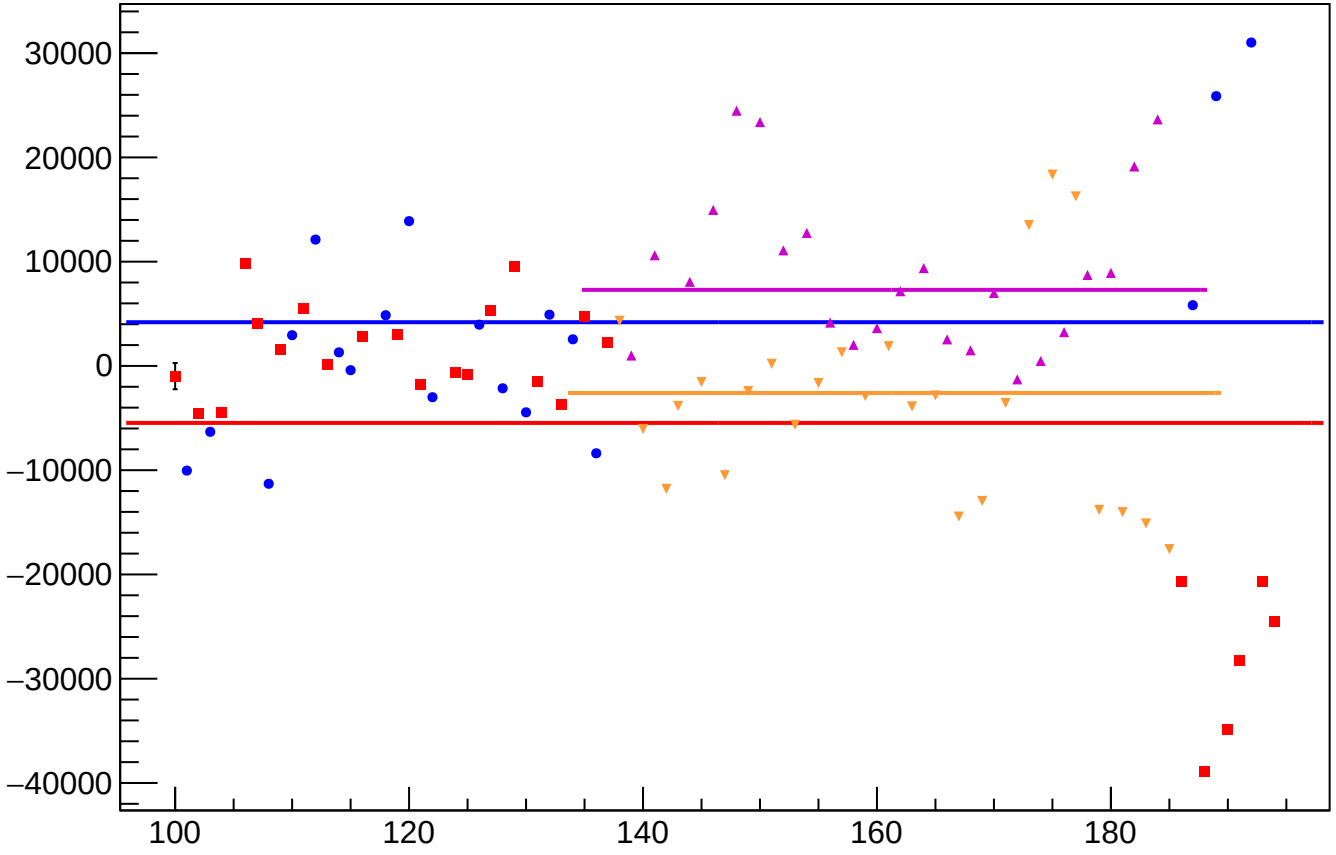
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 111.367+/-0.015 χ^2/NDF: 3117398.4/43

All: 111.880+/-0.011 χ^2/NDF: 6632001.3/91

- sign 112.382+/-0.015 χ^2/NDF: 3512436.8/47

asym_bpm0i01WS_mean vs Slug



Right In: 4192.819+/-50.836 χ^2/NDF: 53522.6/18

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -5465.433+/-46.327 χ^2/NDF: 93371.8/24

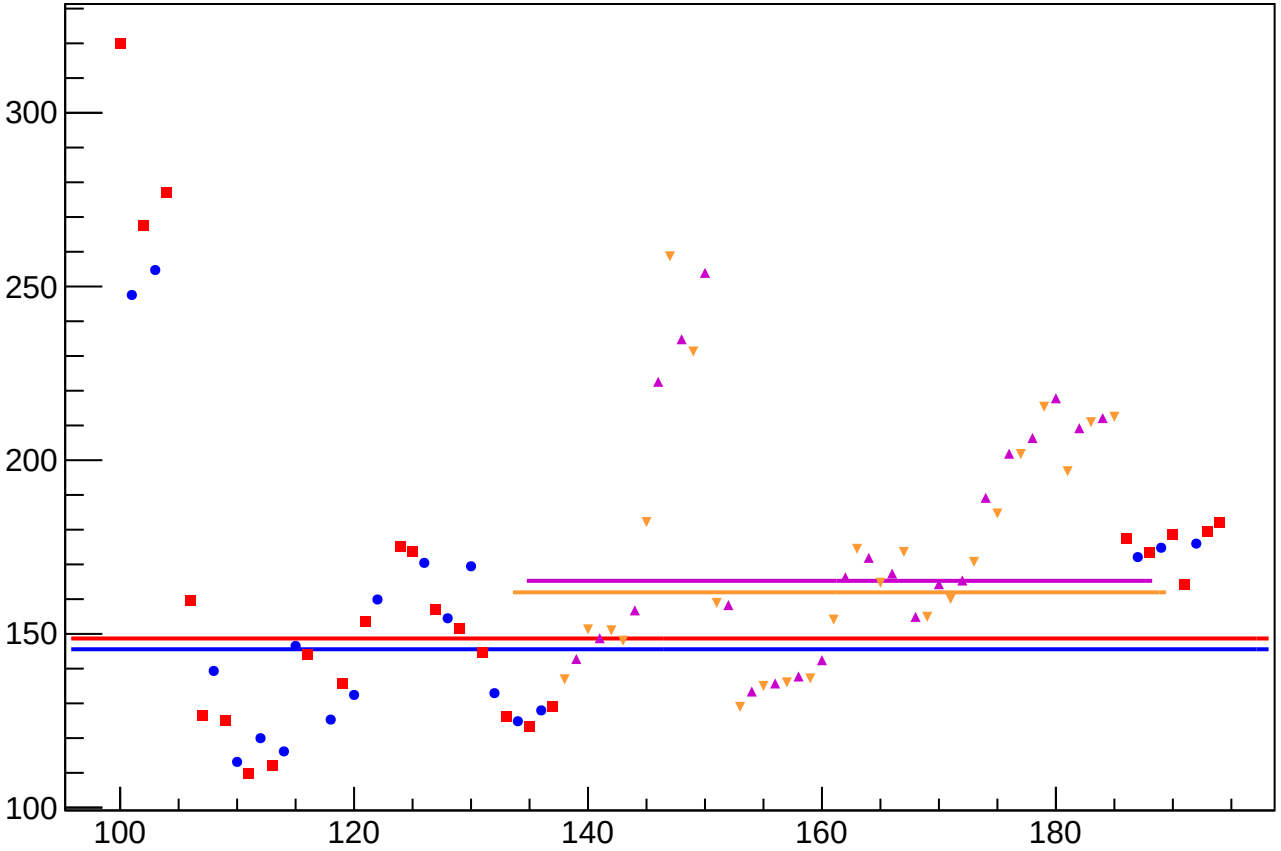
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign -188.866+/-30.252 χ^2/NDF: 113019.7/43

All: 867.315+/-21.334 χ^2/NDF: 277427.9/91

- sign 1912.255+/-30.091 χ^2/NDF: 161983.4/47

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: 148.678+/-0.033 χ^2/NDF: 1054440.2/24

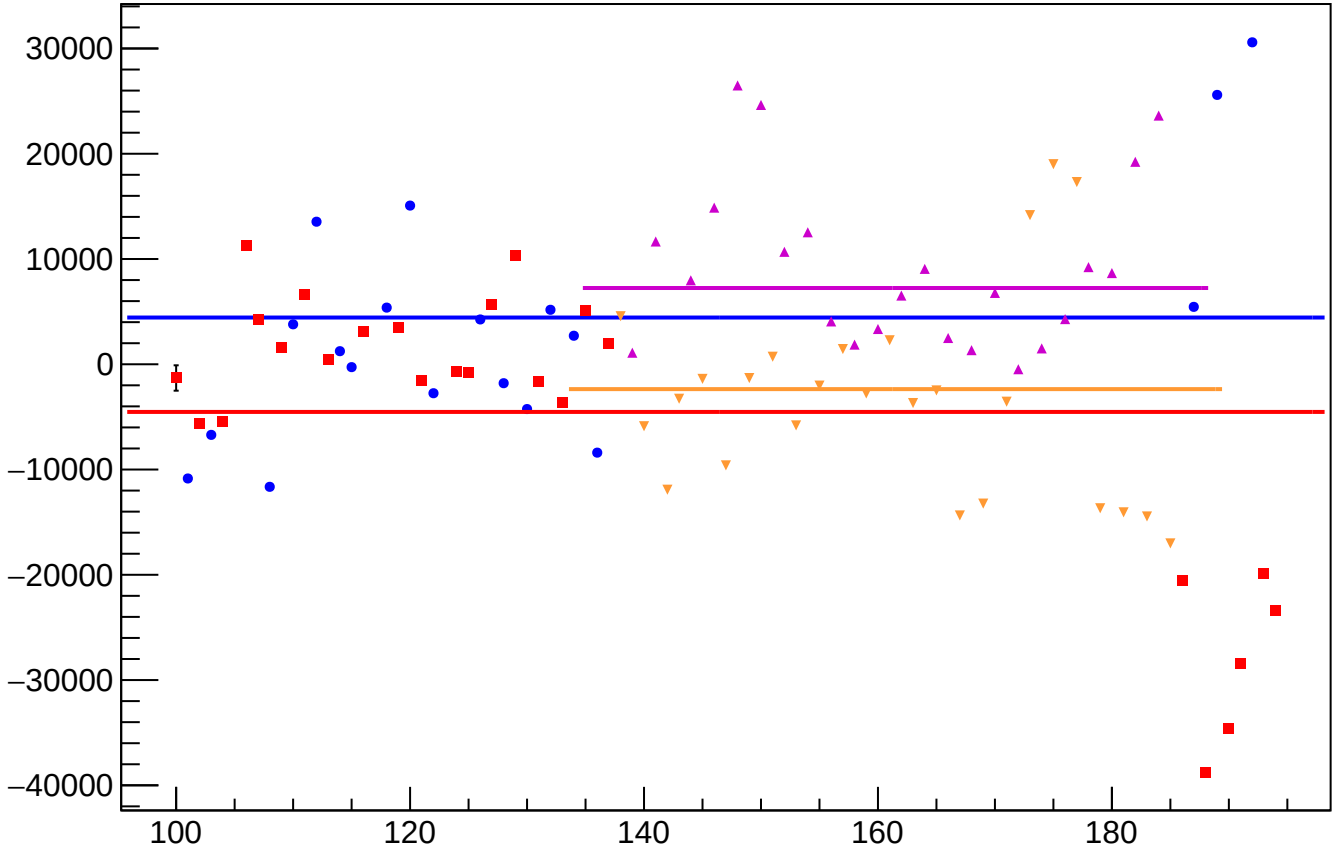
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 156.156+/-0.021 χ^2/NDF: 2066015.3/43

All: 157.220+/-0.015 χ^2/NDF: 4452809.5/91

- sign 158.272+/-0.021 χ^2/NDF: 2381878.9/47

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: -4527.586+/-38.796 χ^2/NDF: 129061.5/24

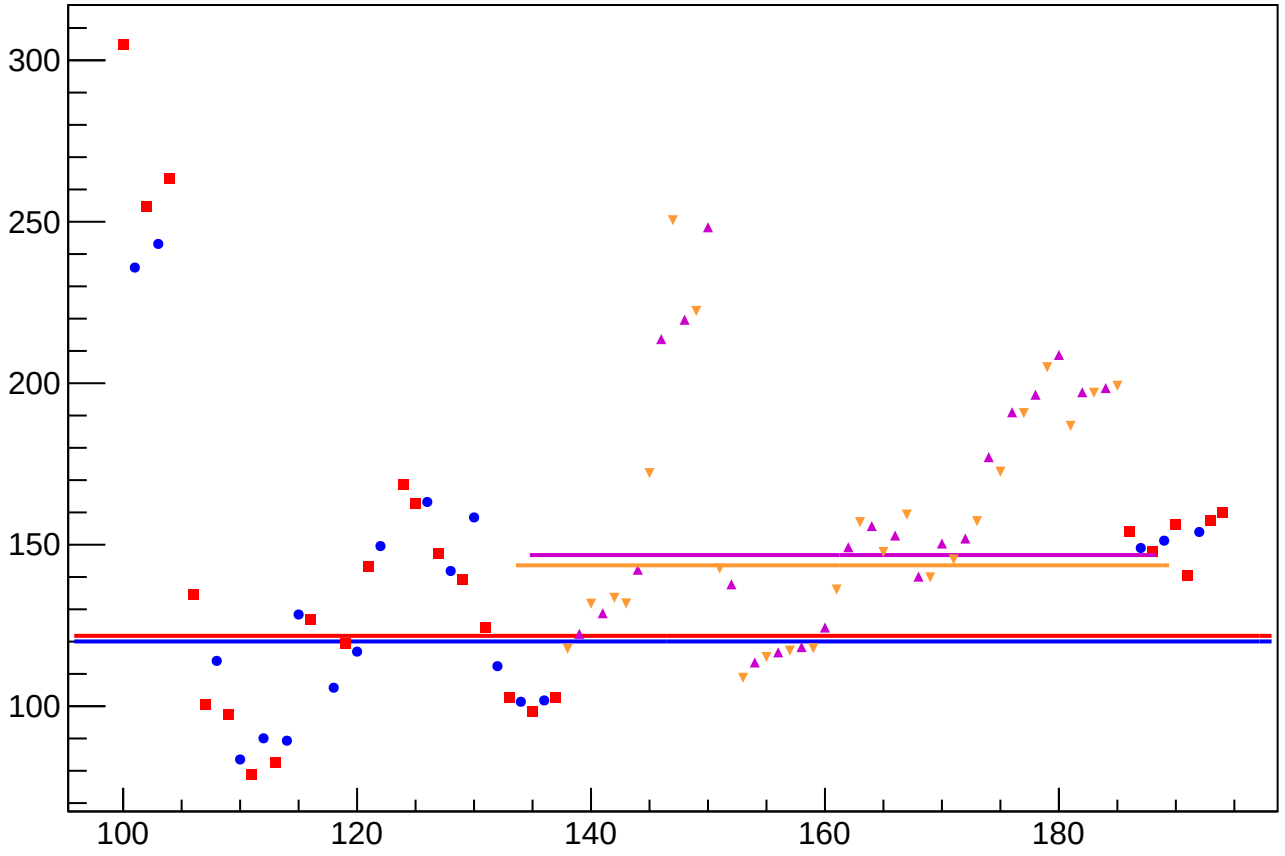
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

\+ sign 240.284+/-26.467 χ^2/NDF: 148002.2/43

All: 1067.998+/-18.618 χ^2/NDF: 359553.6/91

\- sign 1878.636+/-26.193 χ^2/NDF: 209615.5/47

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: 121.788+/-0.027 χ^2/NDF: 1741278.1/24

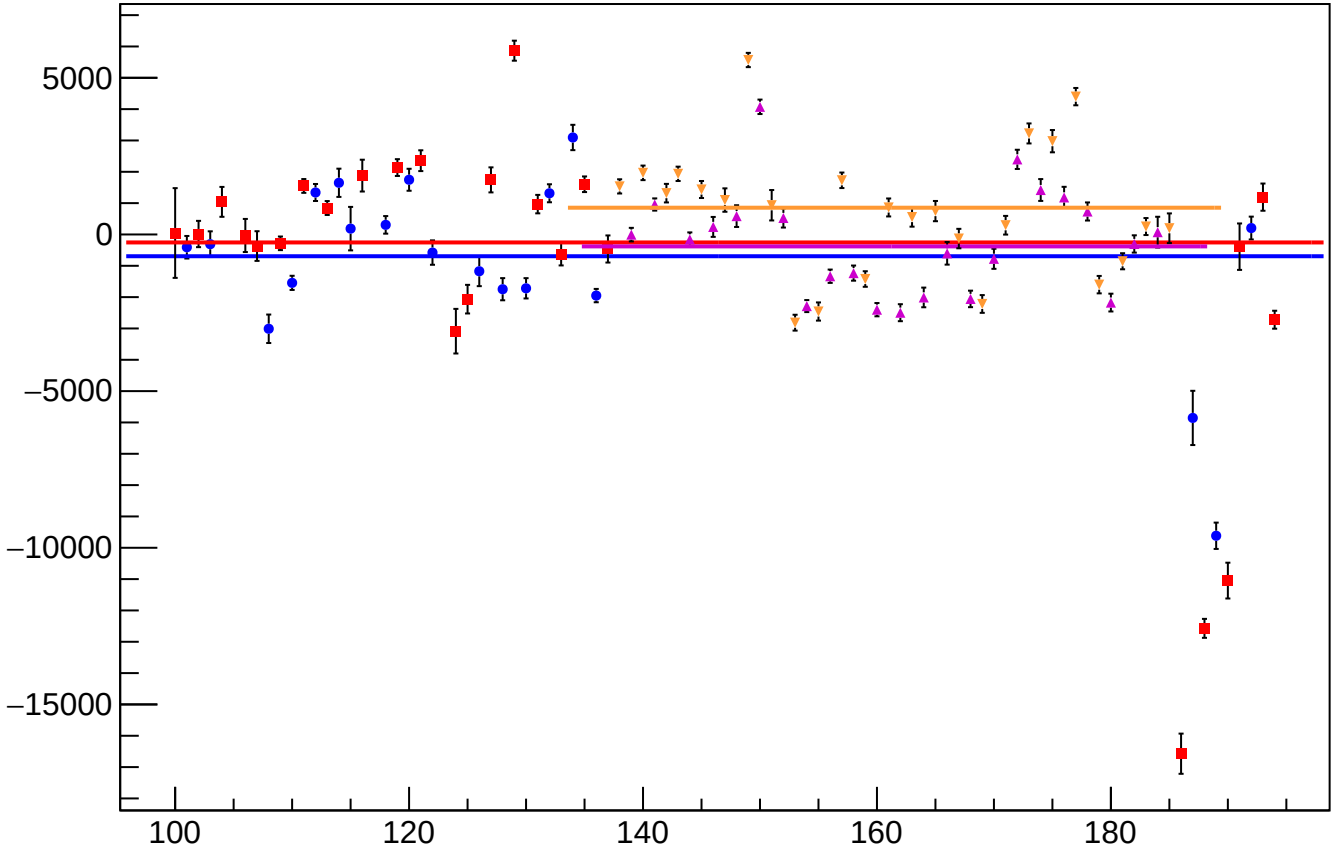
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 134.607+/-0.019 χ^2/NDF: 3325461.7/43

All: 135.005+/-0.013 χ^2/NDF: 7214299.0/91

- sign 135.395+/-0.019 χ^2/NDF: 3887941.3/47

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: -254.781+/-69.529 χ^2/NDF: 3502.7/24

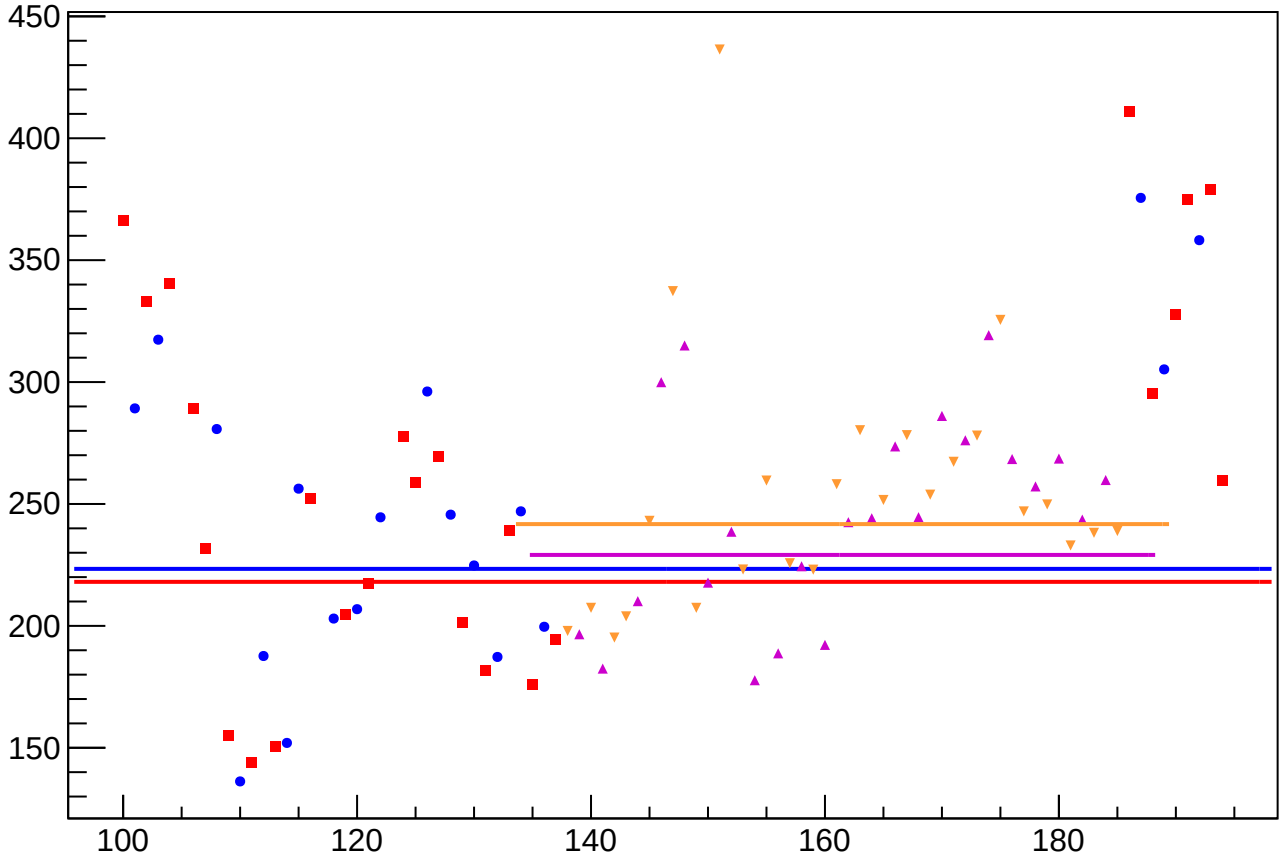
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 327.613+/-45.693 χ^2/NDF: 2573.3/43

All: -20.768+/-31.392 χ^2/NDF: 7170.5/91

- sign -332.189+/-43.201 χ^2/NDF: 4487.1/47

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: 218.061+/-0.049 χ^2/NDF: 1893465.8/24

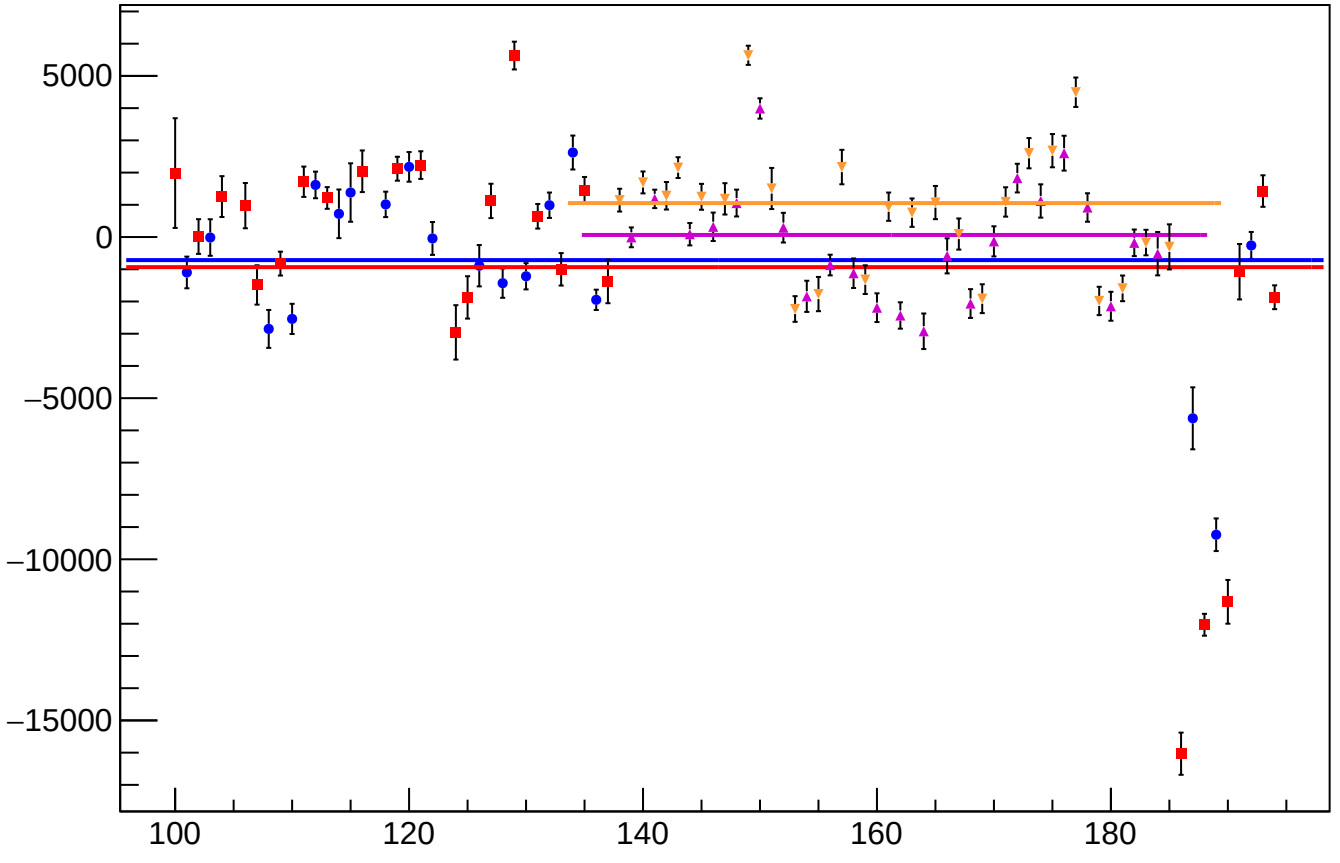
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 235.506+/-0.032 χ^2/NDF: 2199254.3/43

All: 229.874+/-0.022 χ^2/NDF: 5250188.0/91

- sign 224.840+/-0.031 χ^2/NDF: 2993397.2/47

asym_bpm0l02WS_mean vs Slug



Right In: -716.149+/-110.000 χ^2/NDF: 520.4/18

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -934.157+/-97.959 χ^2/NDF: 2414.3/24

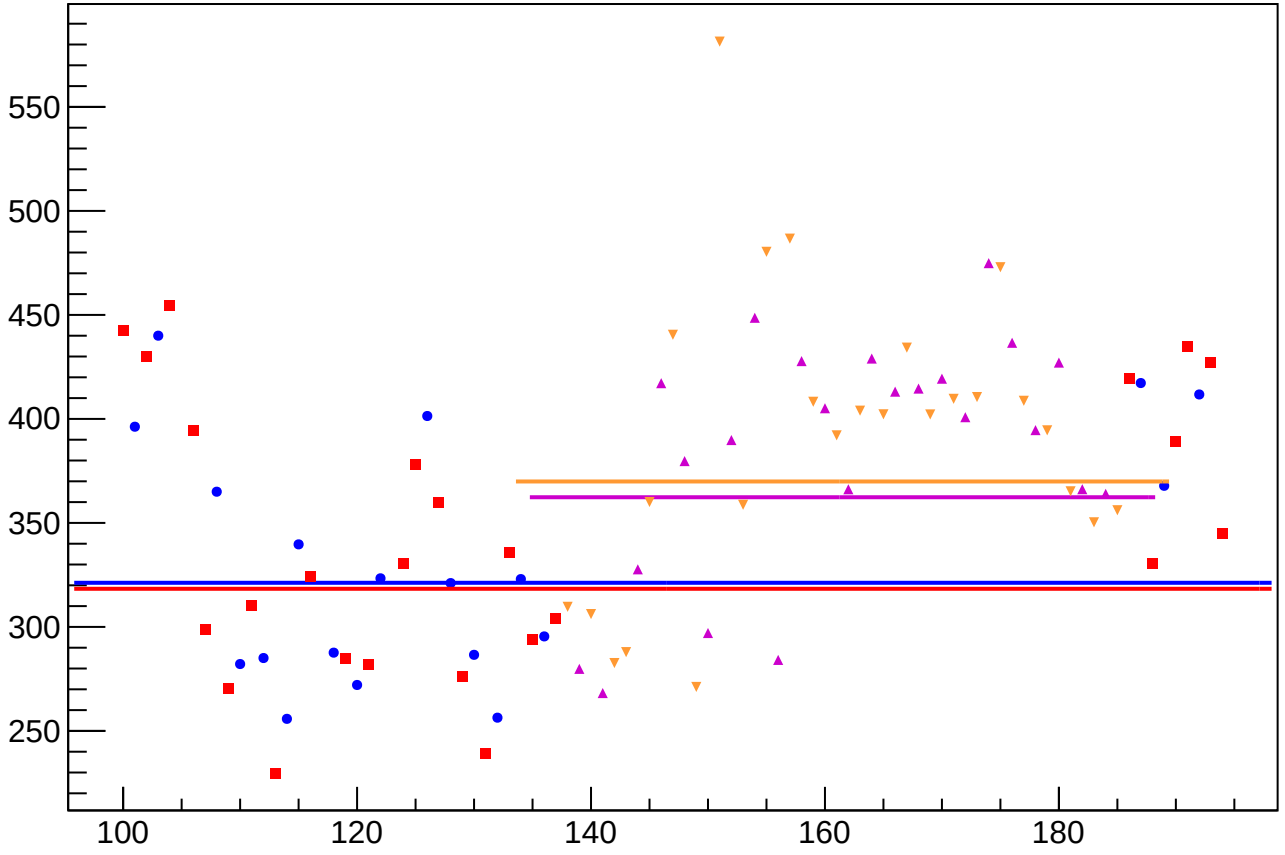
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 383.091+/-67.700 χ^2/NDF: 1295.8/43

All: -11.322+/-46.852 χ^2/NDF: 4228.0/91

- sign -373.854+/-64.907 χ^2/NDF: 2867.1/47

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: 318.335+/-0.069 χ^2/NDF: 781860.2/24

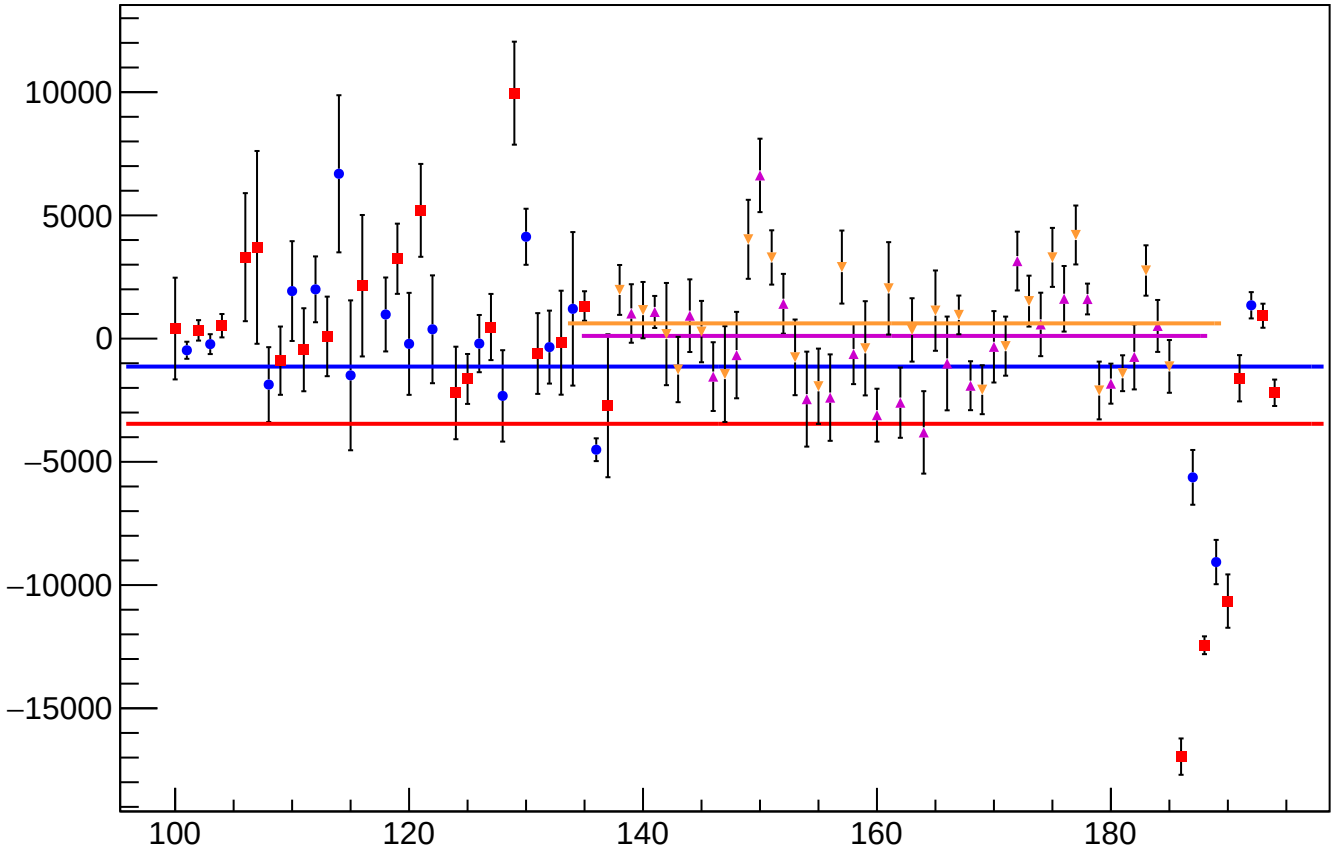
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 351.473+/-0.048 χ^2/NDF: 1945595.3/43

All: 347.069+/-0.033 χ^2/NDF: 4023513.7/91

- sign 343.021+/-0.046 χ^2/NDF: 2061675.2/47

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: -3456.846+/-163.171 χ^2/NDF: 1436.2/24

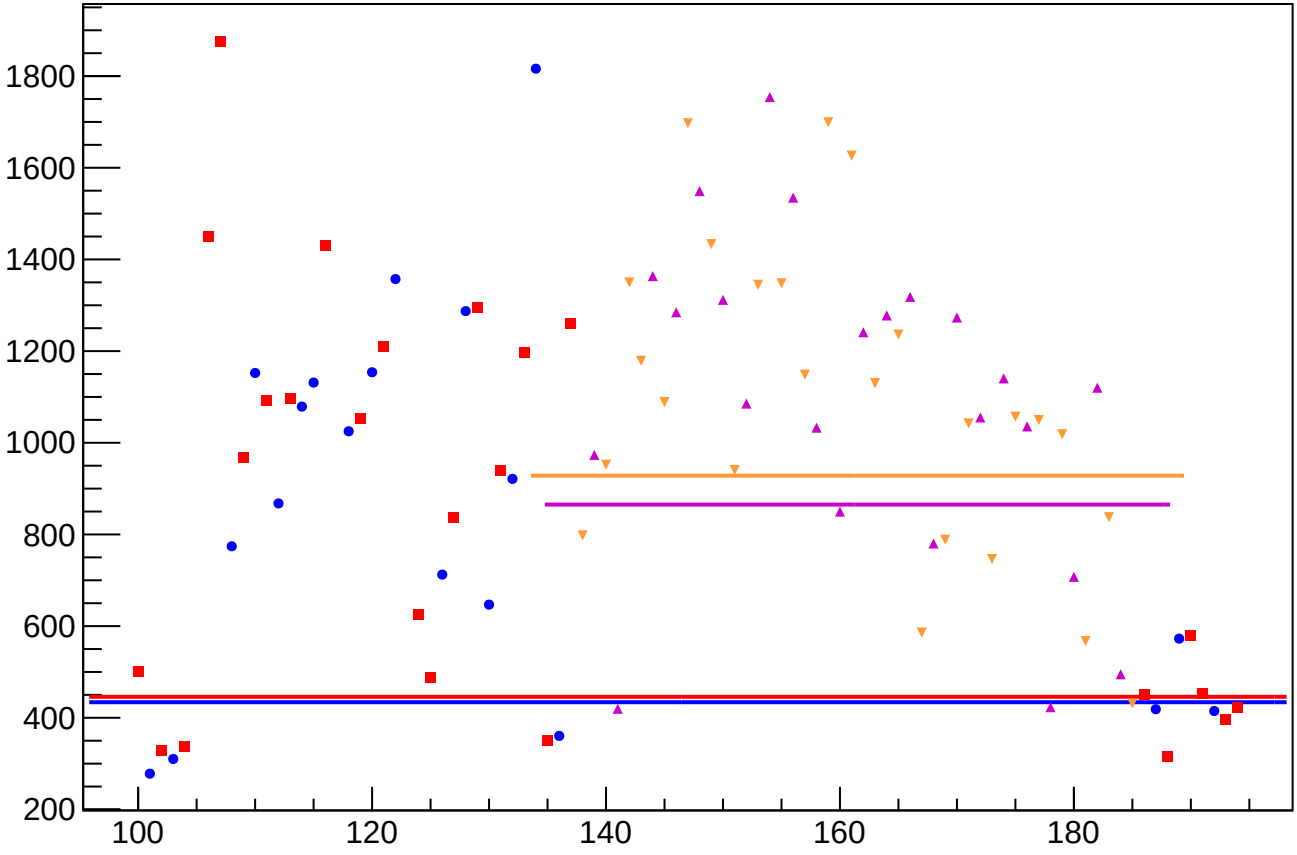
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign -477.699+/-145.781 χ^2/NDF: 317.7/43

All: -1470.067+/-98.873 χ^2/NDF: 2064.3/91

- sign -2315.392+/-134.548 χ^2/NDF: 1660.8/47

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: 445.817+/-0.115 χ^2/NDF: 4141443.2/24

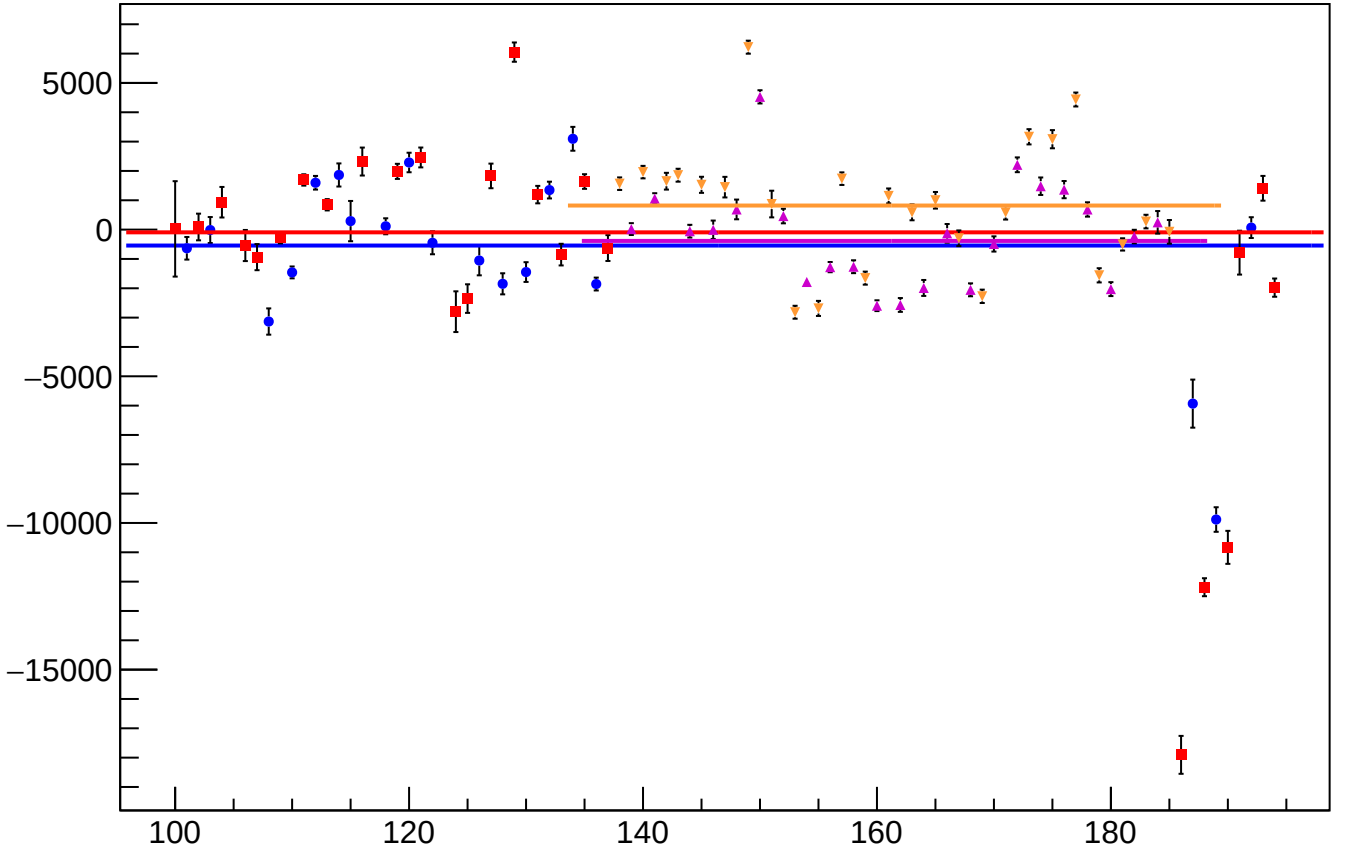
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 619.183+/-0.103 χ^2/NDF: 12254688.1/43

All: 598.052+/-0.070 χ^2/NDF: 25495709.5/91

- sign 580.052+/-0.095 χ^2/NDF: 13163207.9/47

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: -93.034+/-67.218 χ^2/NDF: 3479.6/24

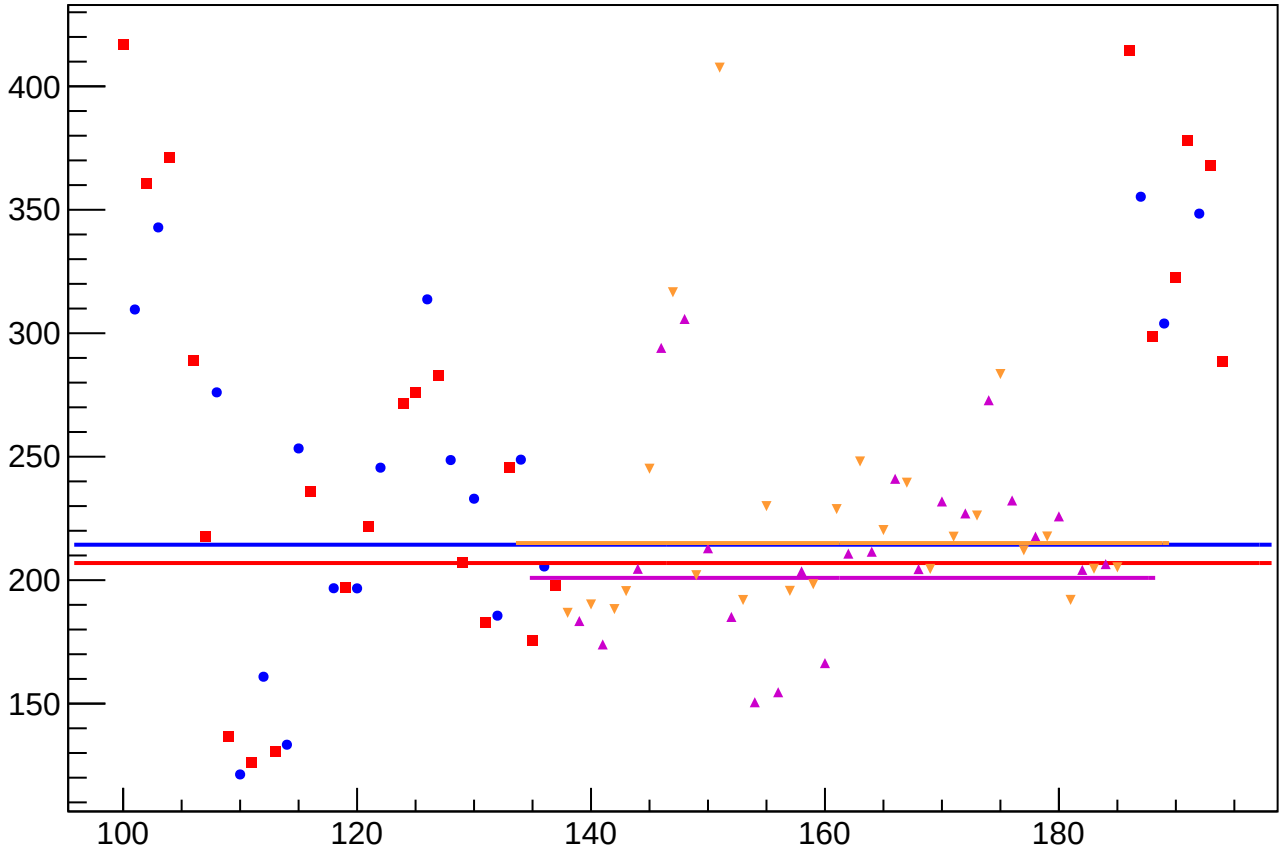
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 410.807+/-41.812 χ^2/NDF: 3196.6/43

All: 41.348+/-28.639 χ^2/NDF: 8089.0/91

- sign -285.164+/-39.307 χ^2/NDF: 4745.3/47

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: 206.932+/-0.048 χ^2/NDF: 2648356.2/24

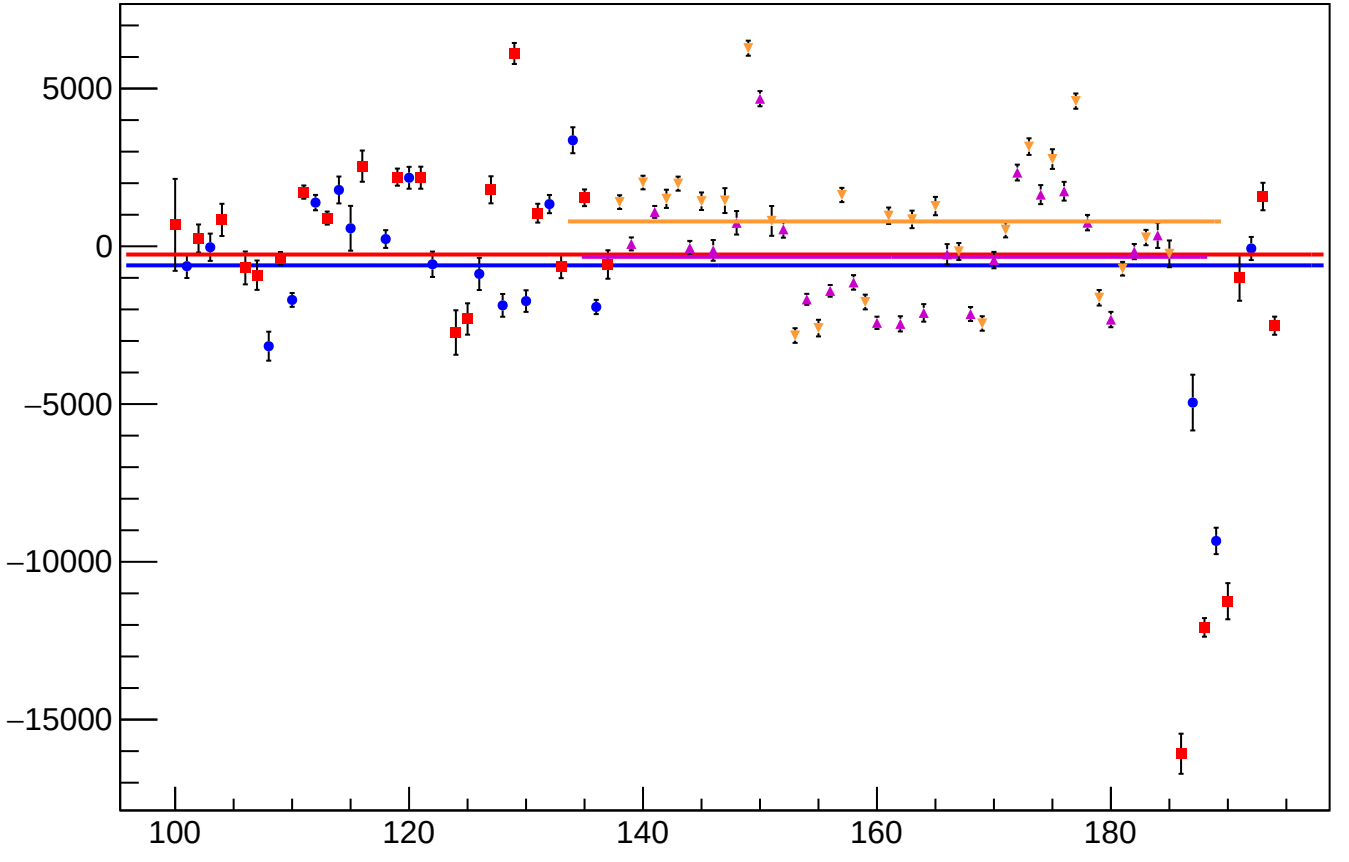
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 214.824+/-0.030 χ^2/NDF: 2447798.2/43

All: 208.533+/-0.020 χ^2/NDF: 6297823.2/91

- sign 202.974+/-0.028 χ^2/NDF: 3764736.5/47

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: -260.481+/-69.084 χ^2/NDF: 3453.6/24

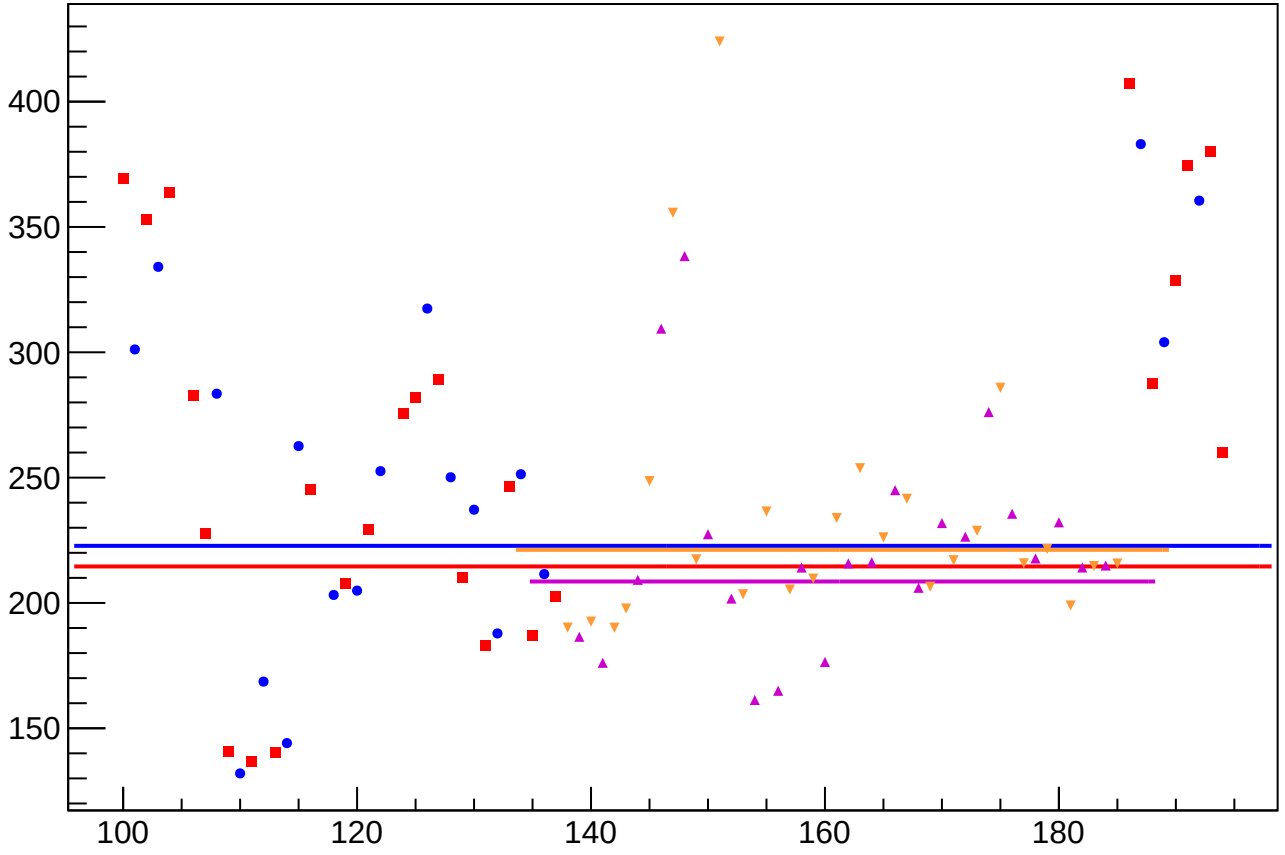
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 371.615+/-43.051 χ^2/NDF: 2998.1/43

All: 11.896+/-29.540 χ^2/NDF: 7799.6/91

- sign -308.143+/-40.608 χ^2/NDF: 4669.5/47

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: 214.558+/-0.049 χ^2/NDF: 2234015.4/24

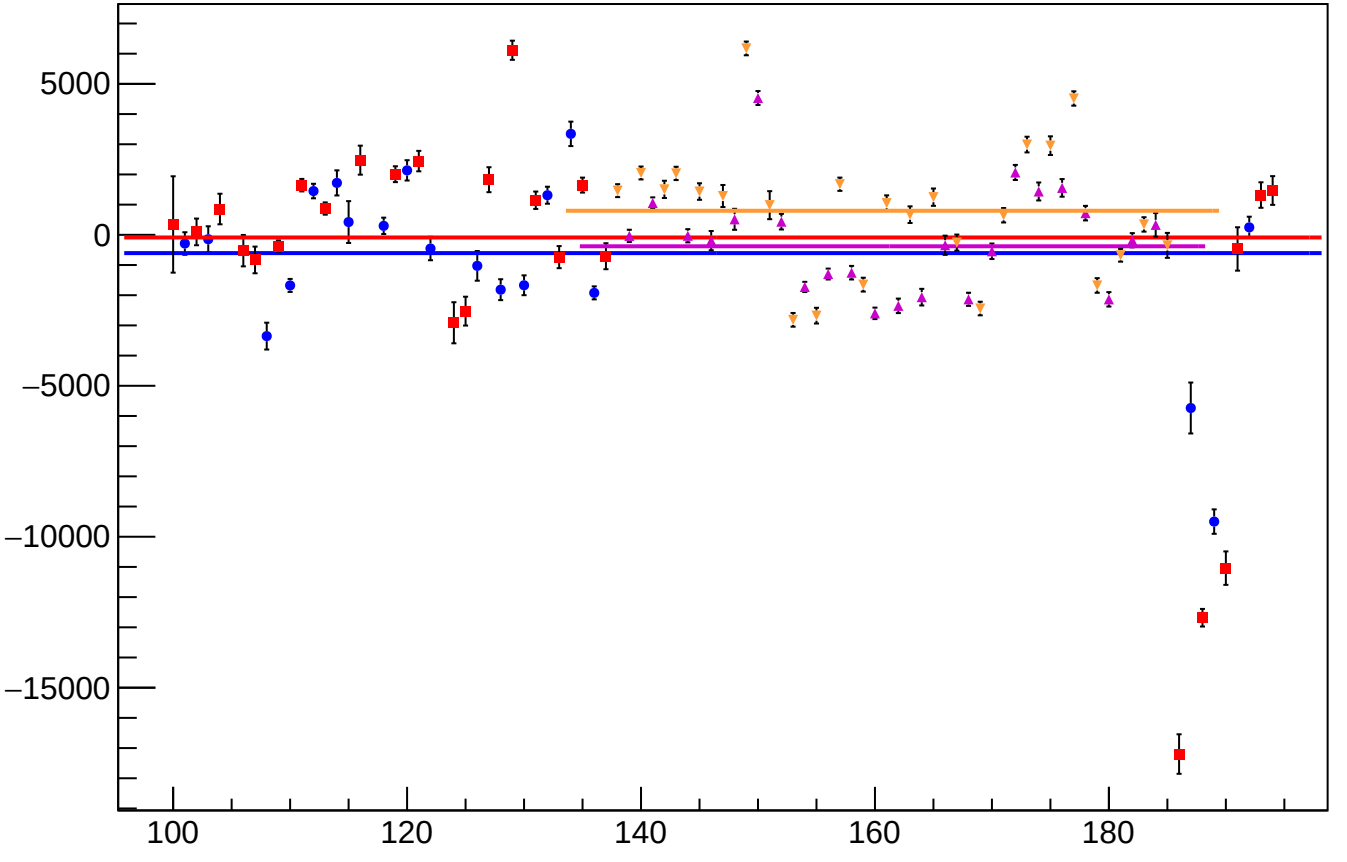
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 221.663+/-0.030 χ^2/NDF: 2287165.9/43

All: 215.825+/-0.021 χ^2/NDF: 5636214.7/91

- sign 210.630+/-0.029 χ^2/NDF: 3279533.3/47

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: -87.791+/-68.185 χ^2/NDF: 3730.1/24

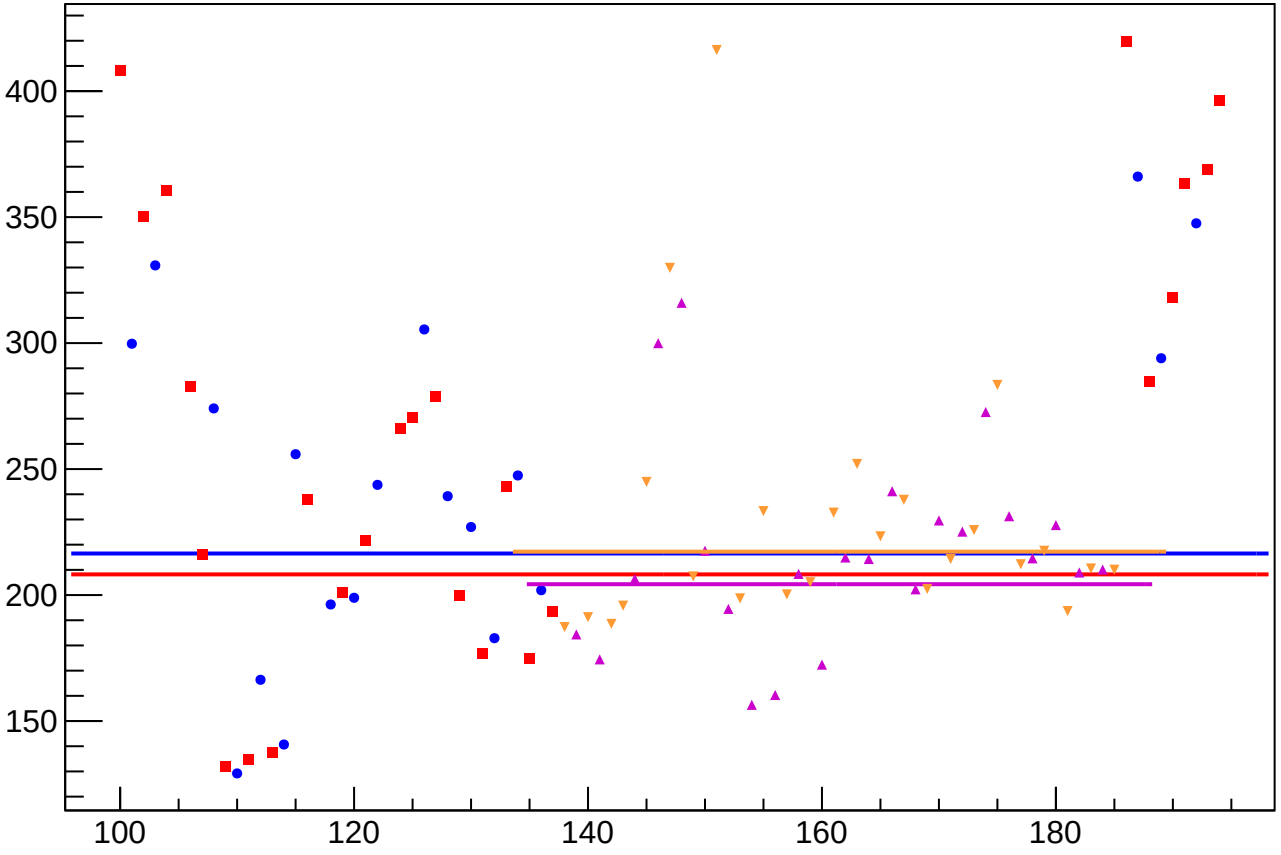
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 371.637+/-42.141 χ^2/NDF: 3171.7/43

All: 28.088+/-28.969 χ^2/NDF: 8241.1/91

- sign -279.716+/-39.889 χ^2/NDF: 4943.4/47

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: 208.205+/-0.048 χ^2/NDF: 2611043.4/24

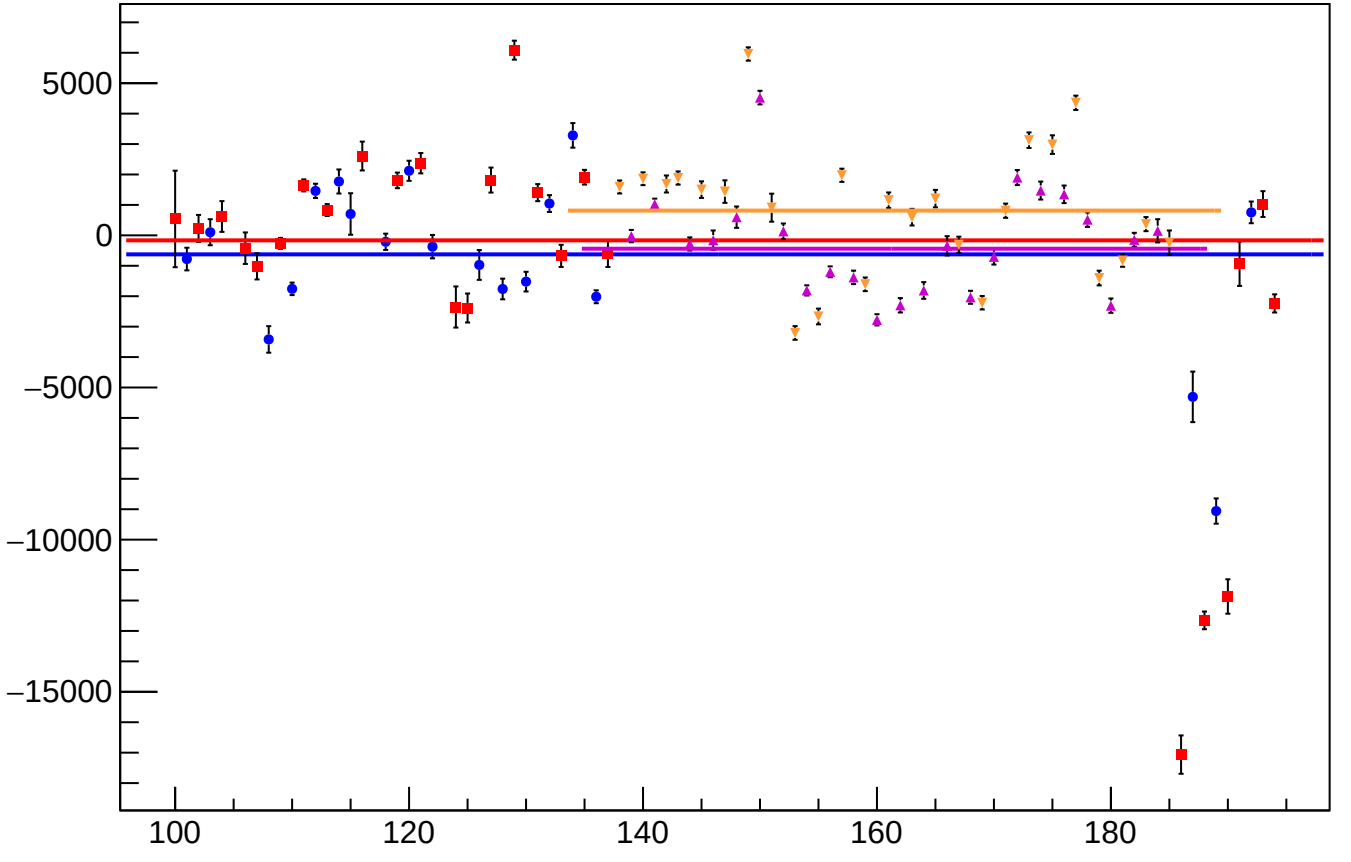
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

\+ sign 217.002+/-0.030 χ^2/NDF: 2237920.8/43

All: 211.010+/-0.020 χ^2/NDF: 5944974.8/91

\- sign 205.642+/-0.028 χ^2/NDF: 3630388.8/47

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: -164.330+/-65.723 χ^2/NDF: 3876.3/24

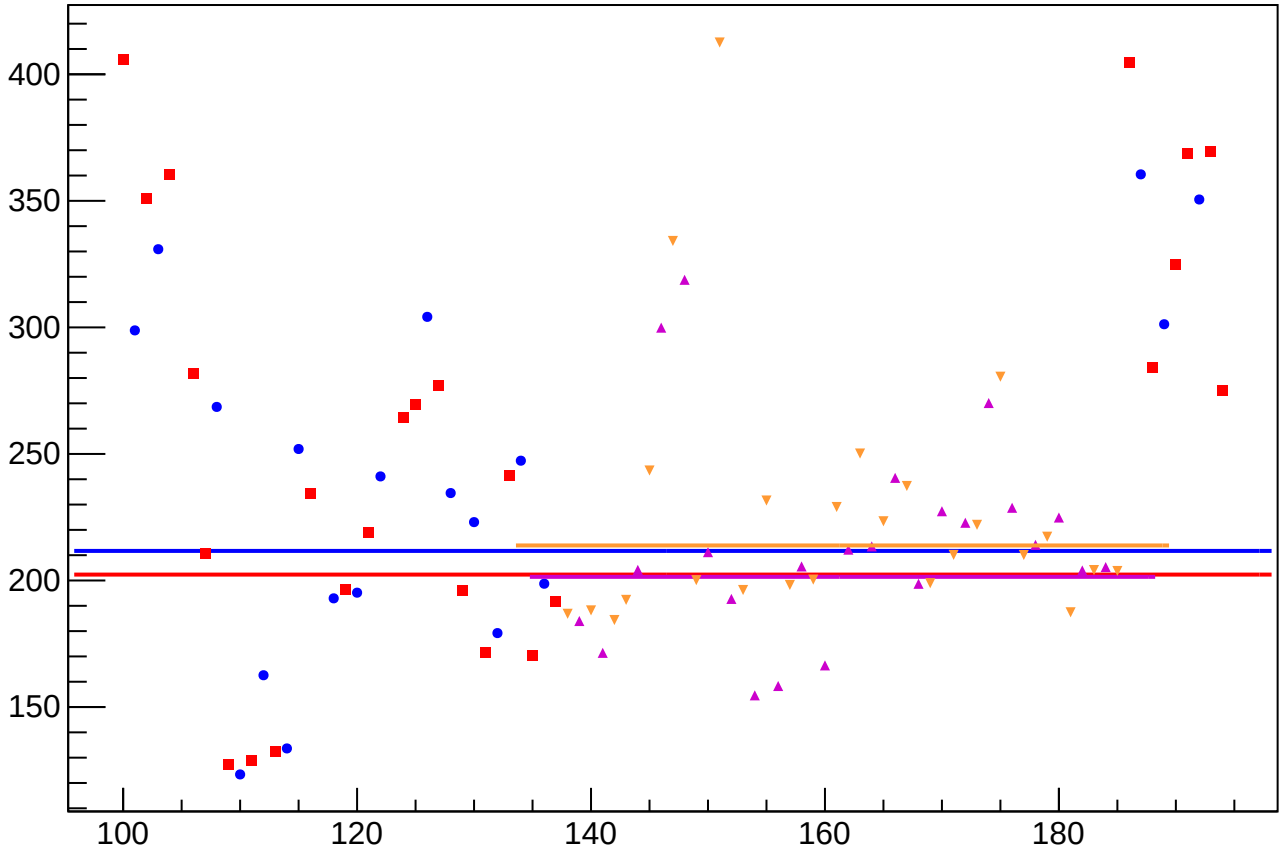
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 375.513+/-41.487 χ^2/NDF: 3173.6/43

All: -5.265+/-28.432 χ^2/NDF: 8455.1/91

- sign -342.505+/-39.043 χ^2/NDF: 5122.7/47

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: 202.336+/-0.046 χ^2/NDF: 2595026.7/24

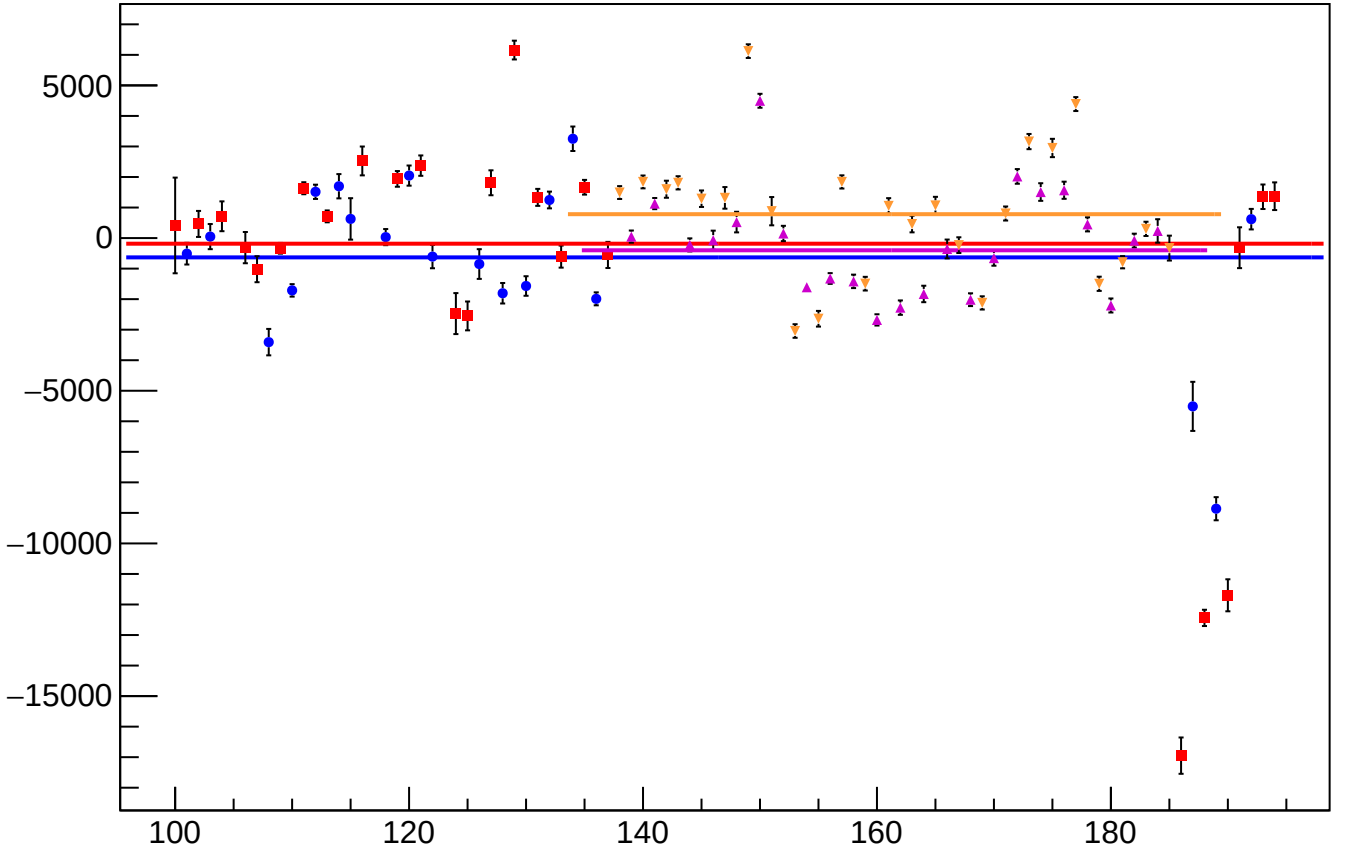
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 213.189+/-0.029 χ^2/NDF: 2425900.1/43

All: 207.128+/-0.020 χ^2/NDF: 6163642.3/91

- sign 201.760+/-0.028 χ^2/NDF: 3657236.3/47

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: -184.102+/-65.481 χ^2/NDF: 4271.9/24

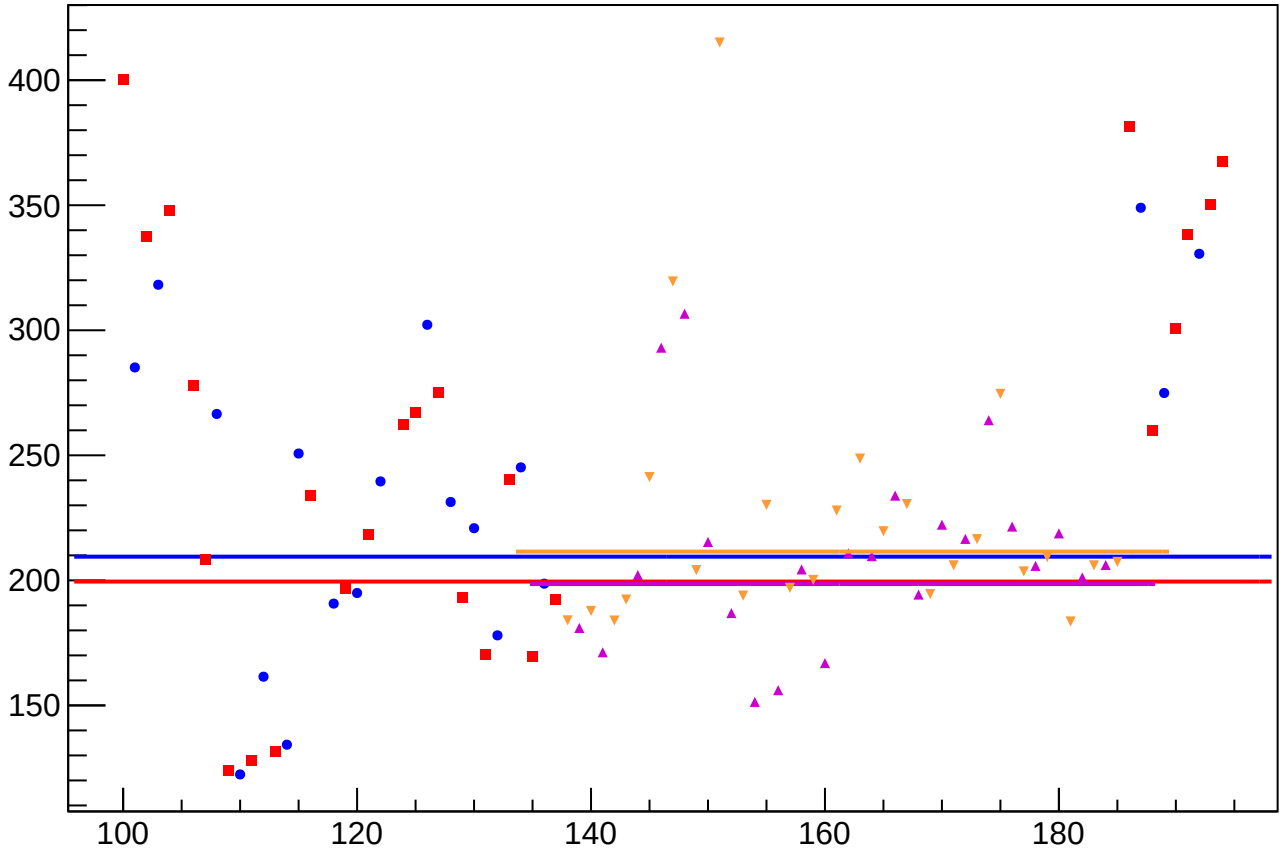
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 349.304+/-40.981 χ^2/NDF: 3246.8/43

All: -7.737+/-28.105 χ^2/NDF: 8901.1/91

- sign -324.777+/-38.618 χ^2/NDF: 5511.0/47

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: 199.523+/-0.046 χ^2/NDF: 2587029.5/24

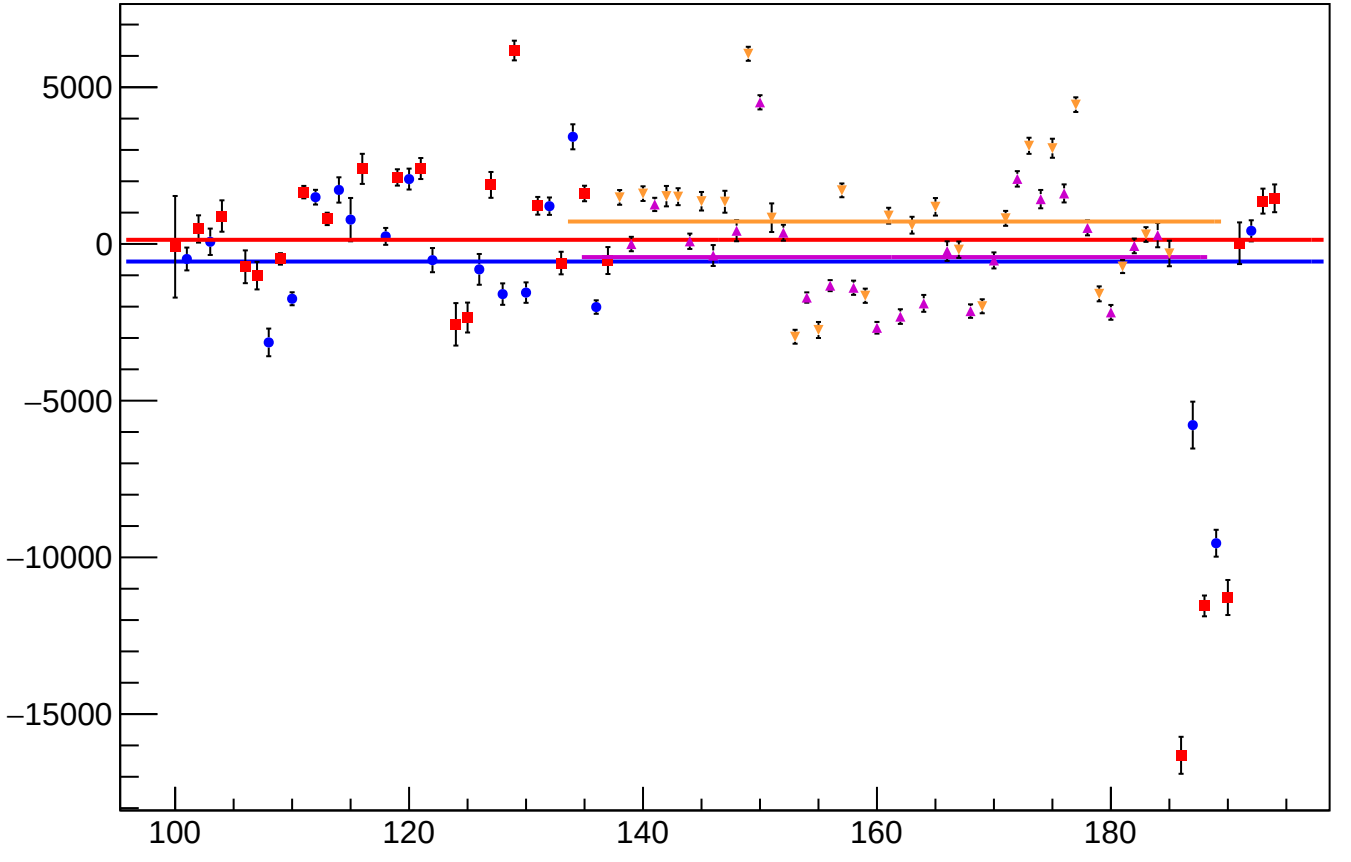
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 210.878+/-0.029 χ^2/NDF: 2265216.0/43

All: 204.519+/-0.020 χ^2/NDF: 5949923.3/91

- sign 198.872+/-0.027 χ^2/NDF: 3593791.7/47

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: 132.262+/-67.315 χ^2/NDF: 3158.5/24

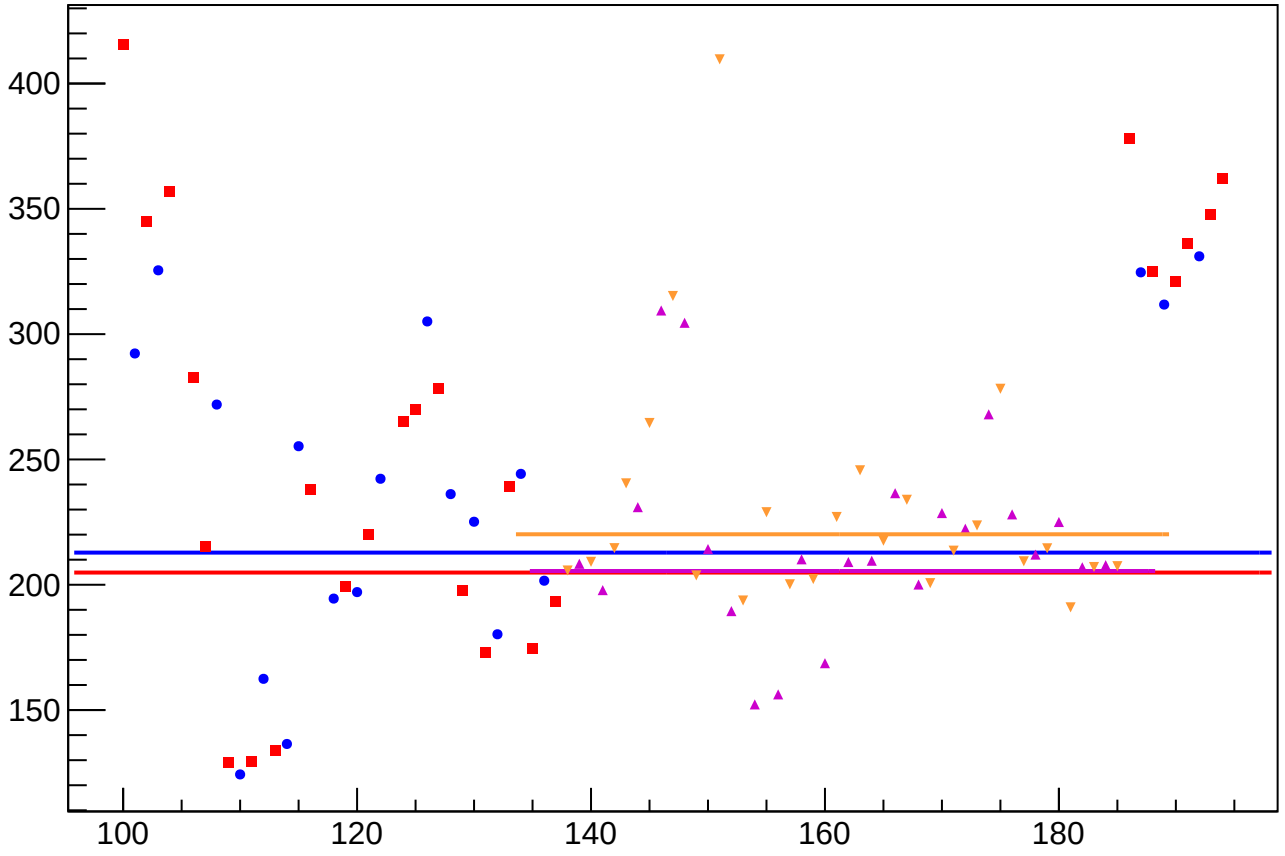
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 312.984+/-42.288 χ^2/NDF: 3067.8/43

All: 28.244+/-29.017 χ^2/NDF: 7596.4/91

- sign -225.134+/-39.891 χ^2/NDF: 4442.9/47

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: 204.865+/-0.048 χ^2/NDF: 2674725.1/24

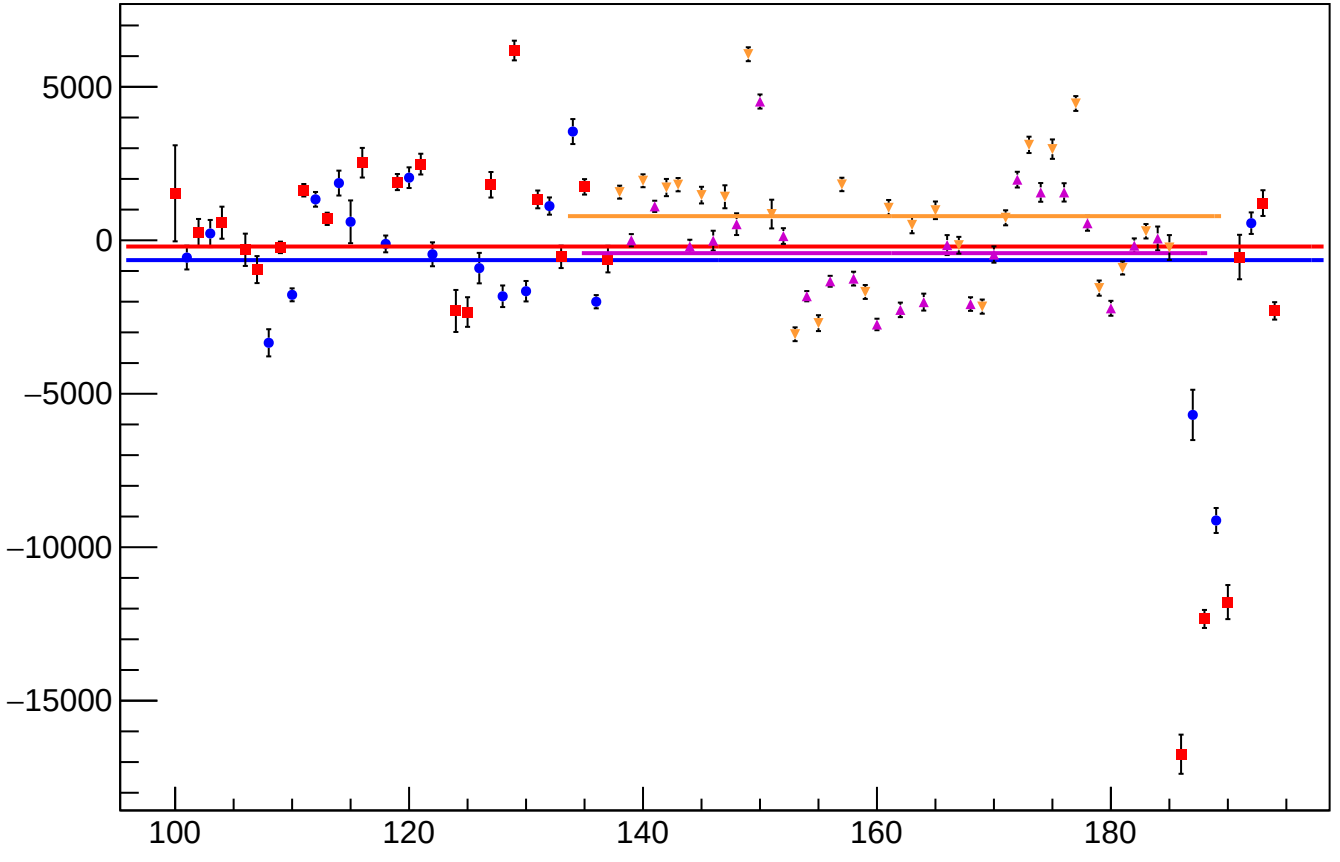
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 217.837+/-0.030 χ^2/NDF: 2174533.6/43

All: 211.185+/-0.021 χ^2/NDF: 5956866.1/91

- sign 205.265+/-0.028 χ^2/NDF: 3688799.1/47

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: -202.772+/-66.982 χ^2/NDF: 3689.4/24

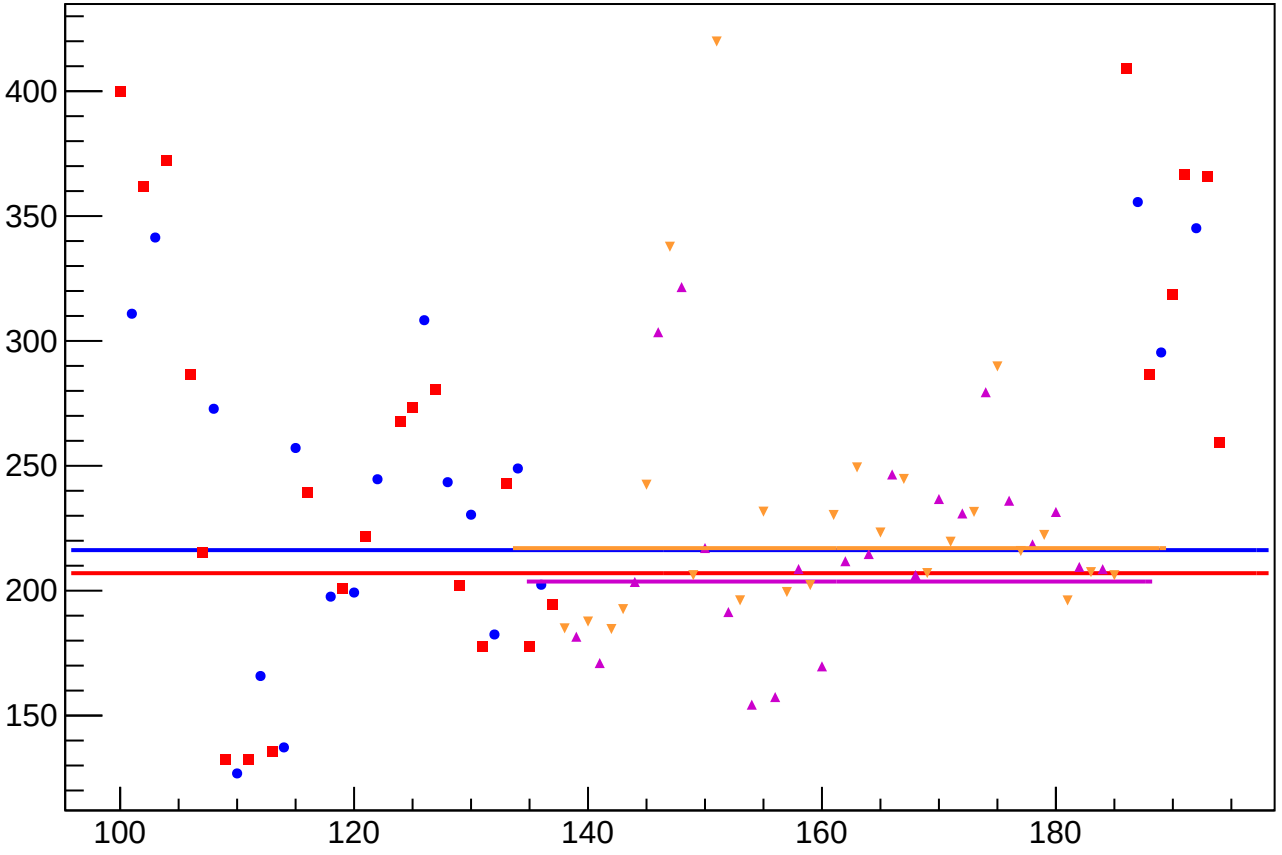
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 352.511+/-42.174 χ^2/NDF: 3117.6/43

All: -16.987+/-28.879 χ^2/NDF: 8169.3/91

- sign -343.205+/-39.627 χ^2/NDF: 4907.1/47

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: 207.009+/-0.047 χ^2/NDF: 2431895.3/24

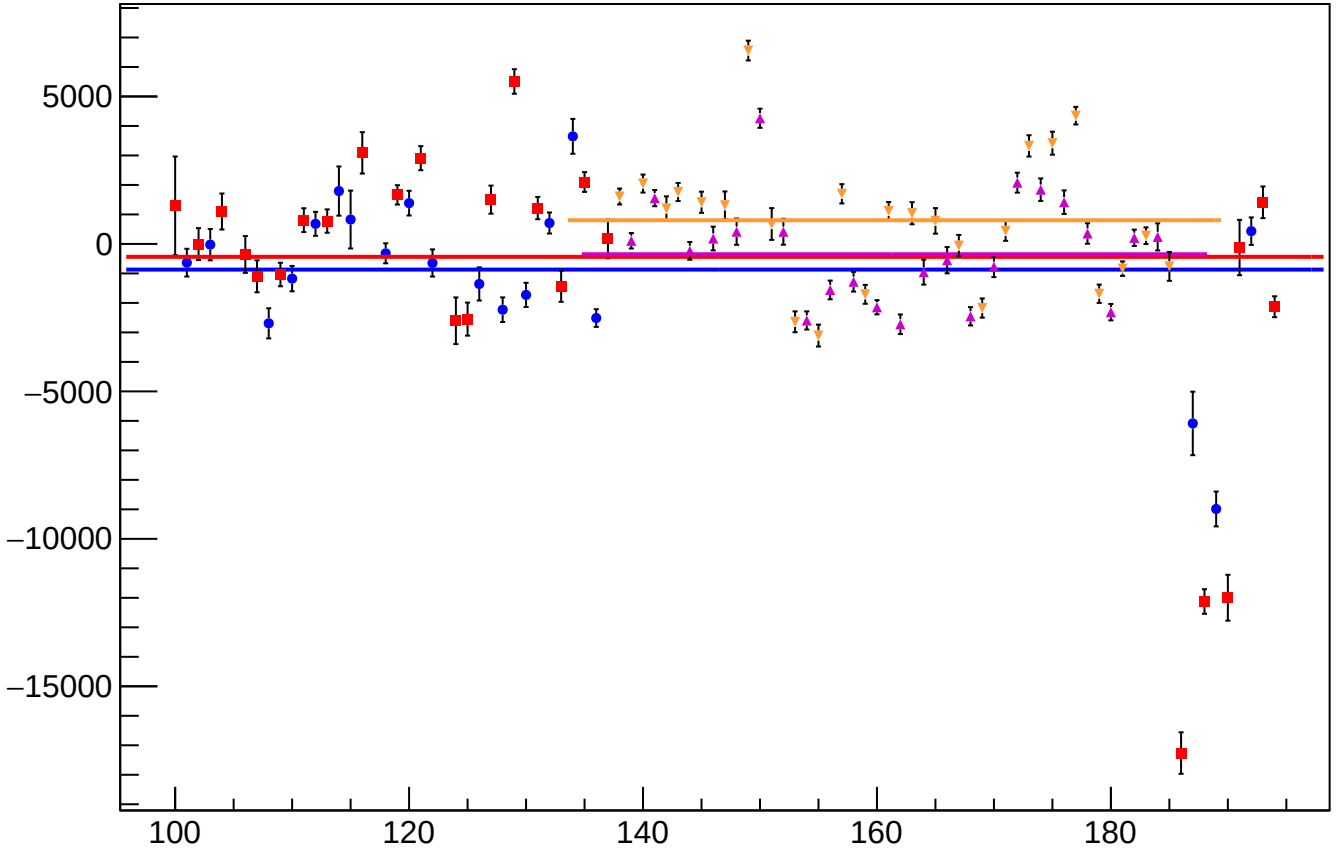
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 216.798+/-0.030 χ^2/NDF: 2388438.3/43

All: 210.443+/-0.020 χ^2/NDF: 6074420.3/91

- sign 204.832+/-0.028 χ^2/NDF: 3600479.7/47

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: -437.318+/-96.506 χ^2/NDF: 2103.1/24

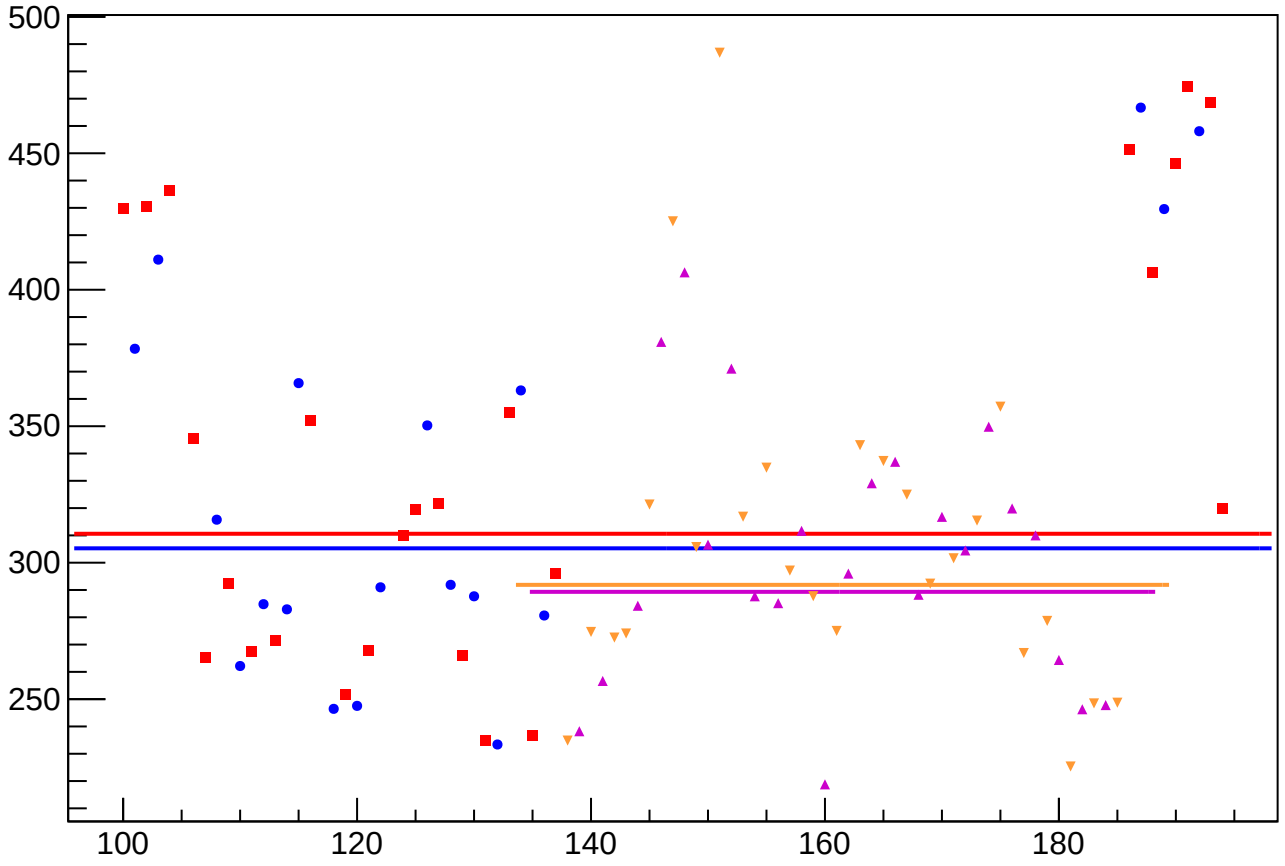
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 315.214+/-56.964 χ^2/NDF: 1655.4/43

All: -37.367+/-39.978 χ^2/NDF: 4490.7/91

- sign -379.591+/-56.121 χ^2/NDF: 2759.8/47

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: 310.597+/-0.068 χ^2/NDF: 1053847.0/24

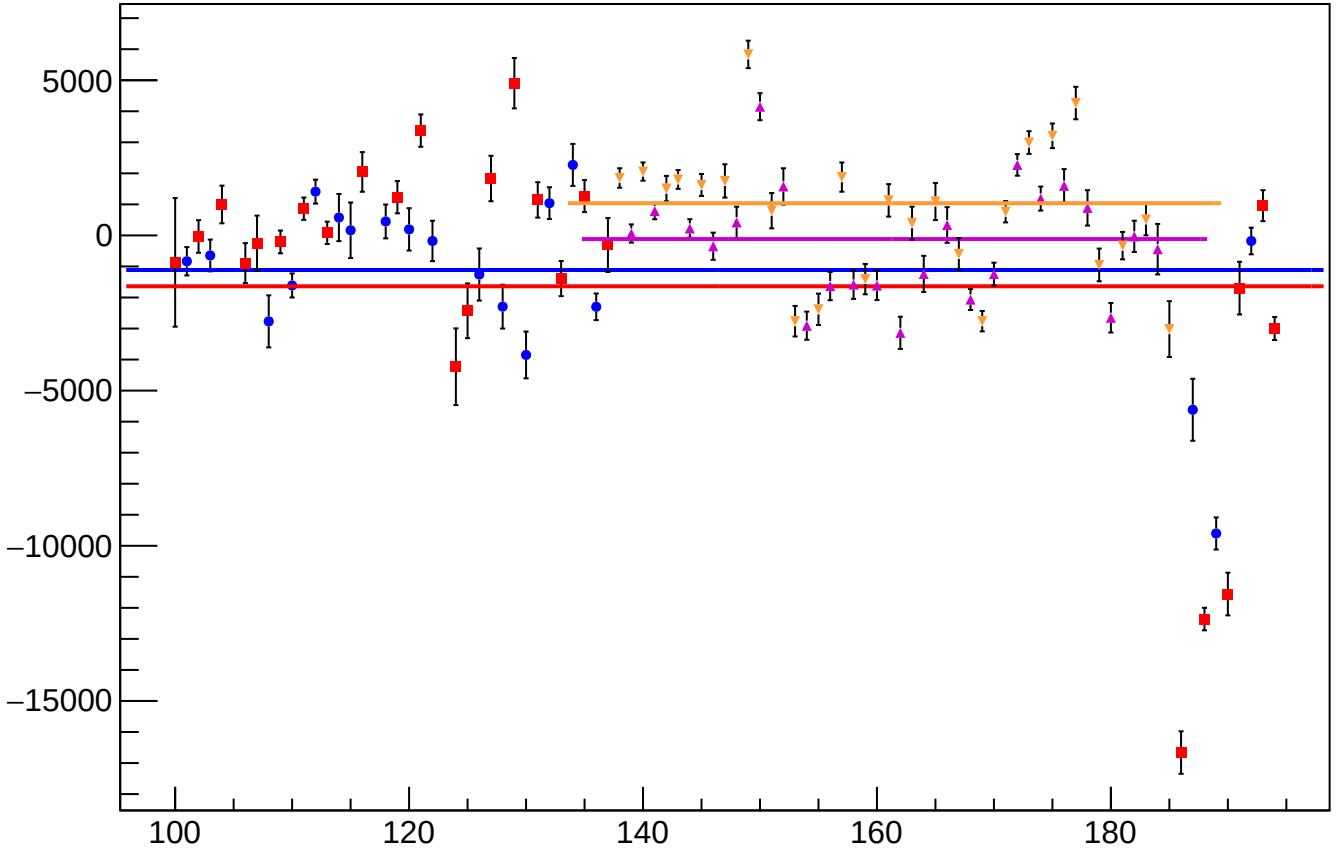
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 295.789+/-0.040 χ^2/NDF: 1726580.0/43

All: 296.158+/-0.028 χ^2/NDF: 3653533.8/91

- sign 296.516+/-0.040 χ^2/NDF: 1926788.4/47

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: -1639.093+/-109.072 χ^2/NDF: 2024.5/24

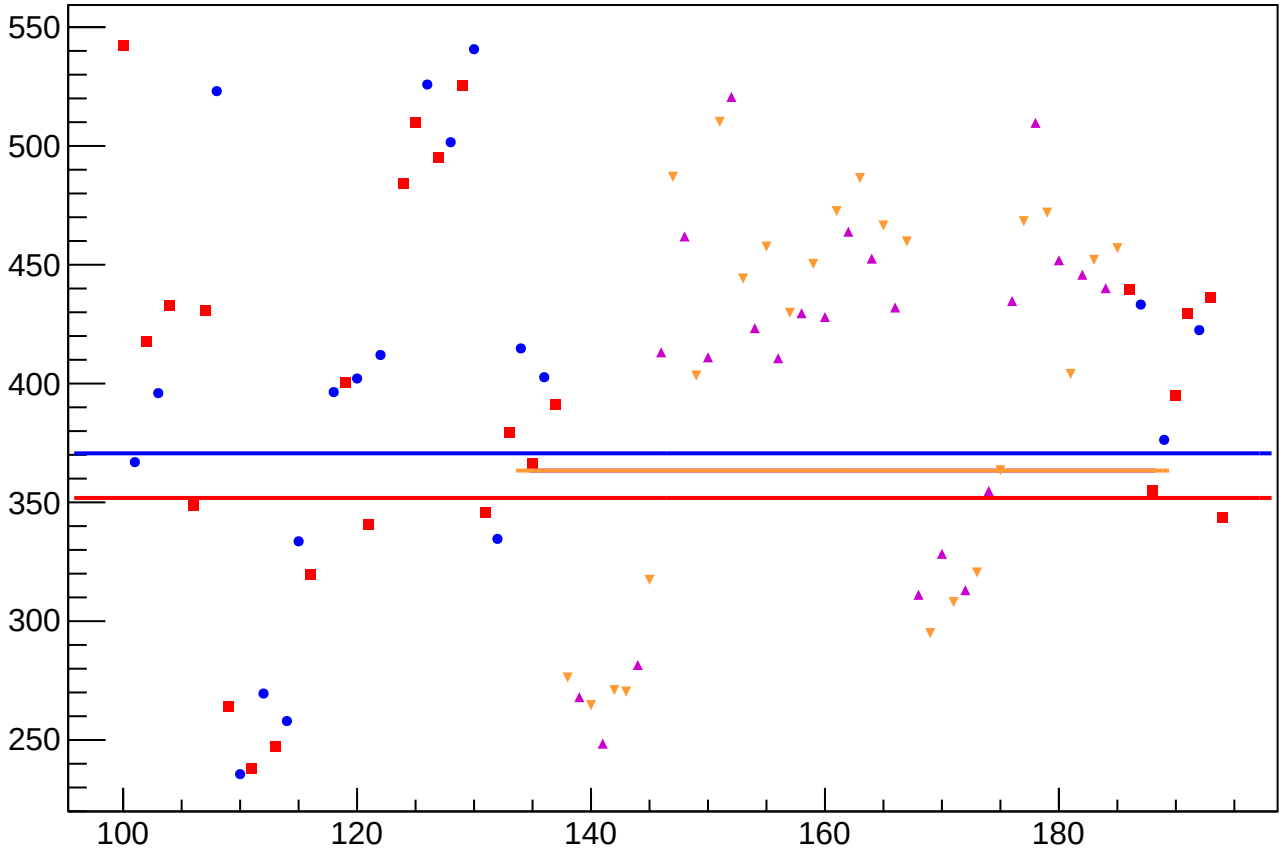
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 375.946+/-70.907 χ^2/NDF: 1197.5/43

All: -189.341+/-49.166 χ^2/NDF: 3833.3/91

- sign -712.807+/-68.233 χ^2/NDF: 2513.4/47

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: 351.859+/-0.077 χ^2/NDF: 987281.1/24

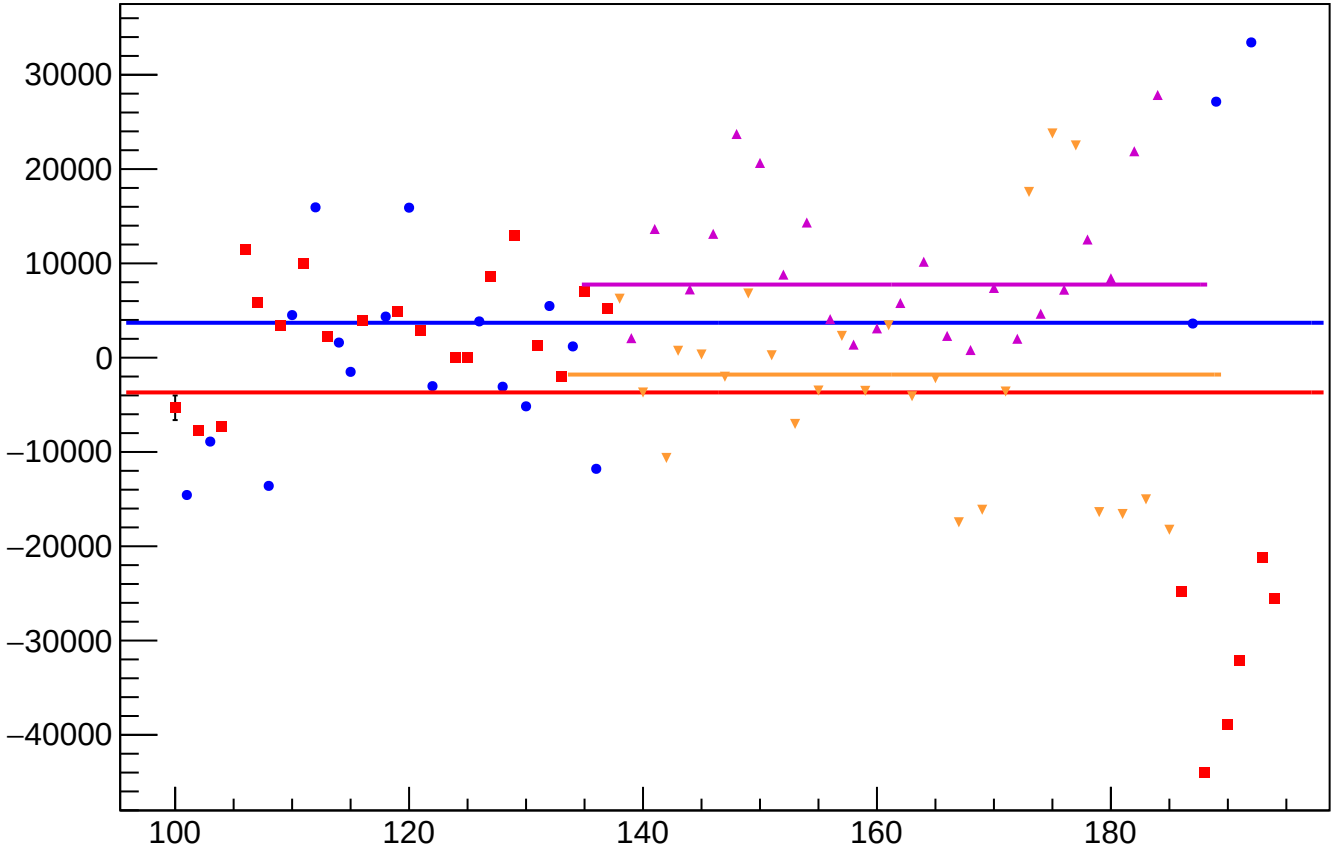
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 365.615+/-0.050 χ^2/NDF: 2768345.9/43

All: 362.116+/-0.035 χ^2/NDF: 5490206.4/91

- sign 358.875+/-0.048 χ^2/NDF: 2712477.7/47

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: -3684.732+/-45.640 χ^2/NDF: 128222.5/24

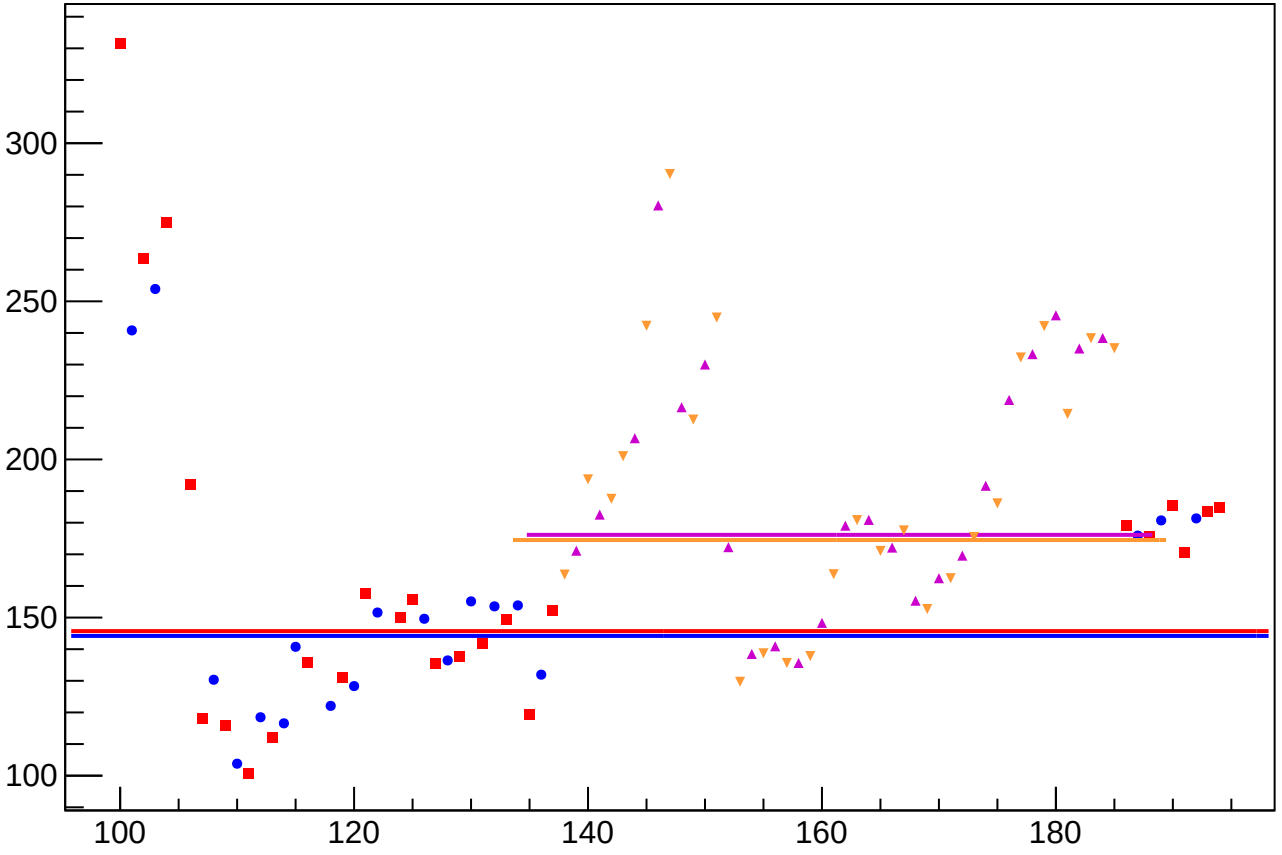
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 384.749+/-31.793 χ^2/NDF: 142935.0/43

All: 1430.069+/-22.243 χ^2/NDF: 330146.5/91

- sign 2432.297+/-31.131 χ^2/NDF: 185094.0/47

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: 145.718+/-0.032 χ^2/NDF: 1242826.1/24

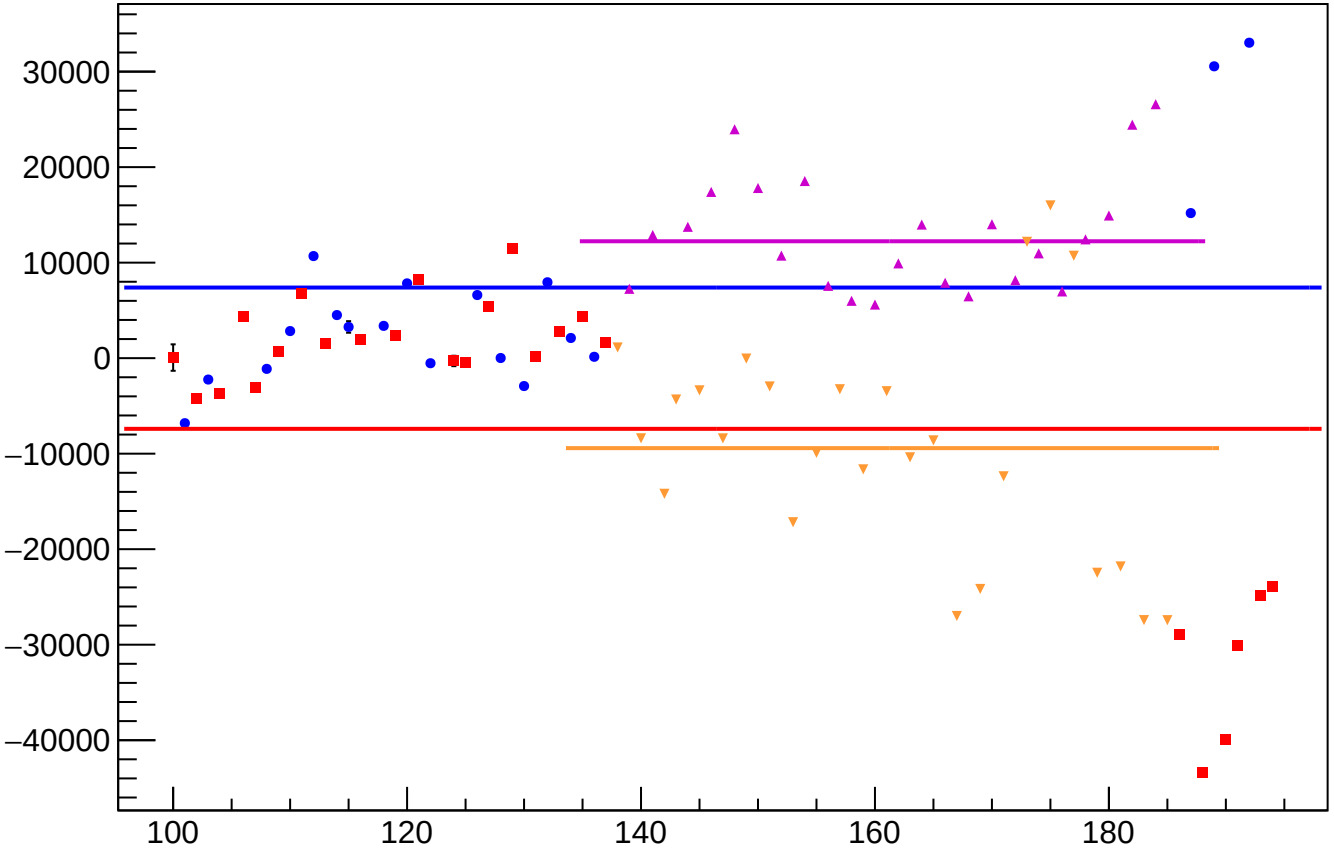
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 162.510+/-0.022 χ^2/NDF: 2908876.9/43

All: 162.247+/-0.016 χ^2/NDF: 5994683.4/91

- sign 161.994+/-0.022 χ^2/NDF: 3085536.6/47

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: -7399.638+/-54.854 χ^2/NDF: 97520.3/24

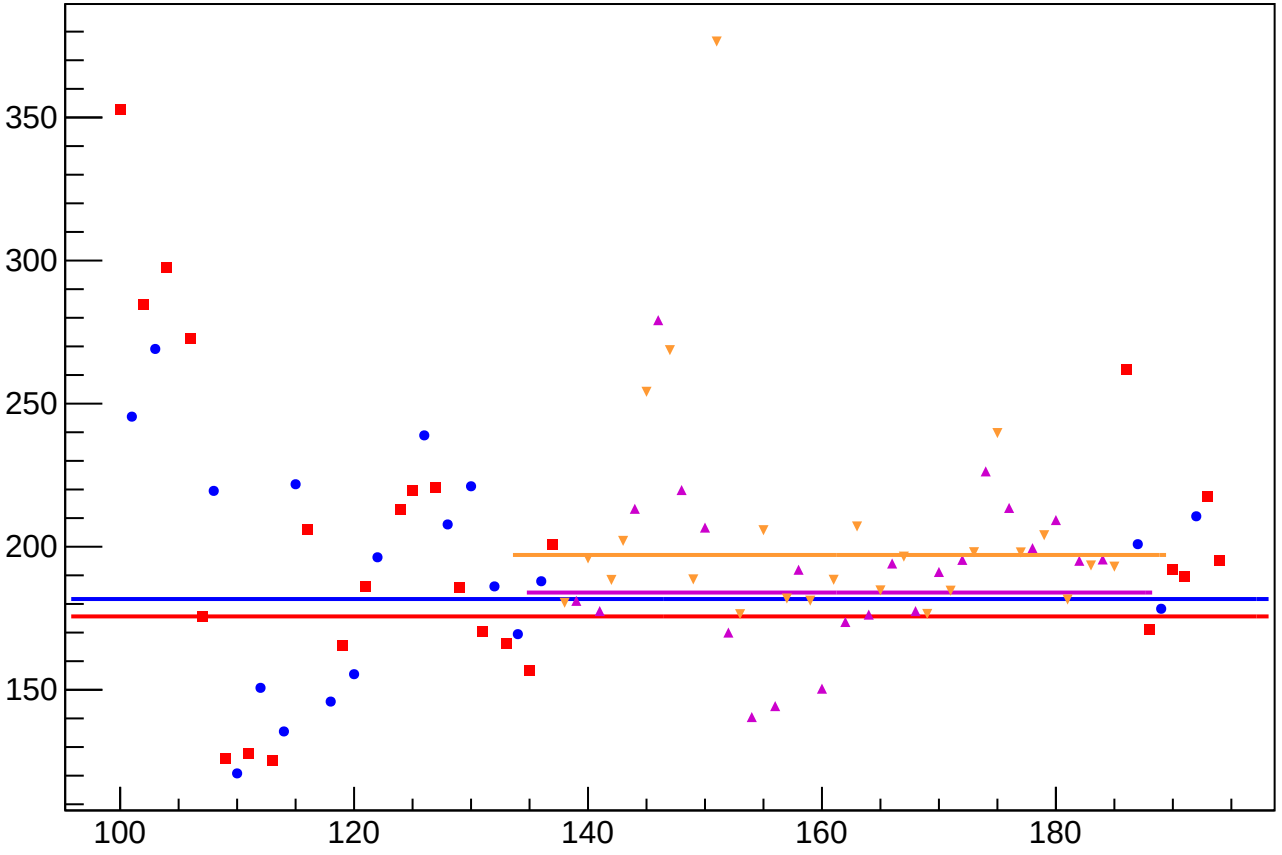
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -3632.122+/-37.005 χ^2/NDF: 143396.5/43

All: 733.156+/-25.201 χ^2/NDF: 360604.1/91

- sign 4508.687+/-34.415 χ^2/NDF: 191256.8/47

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: 175.646+/-0.039 χ^2/NDF: 1176979.0/24

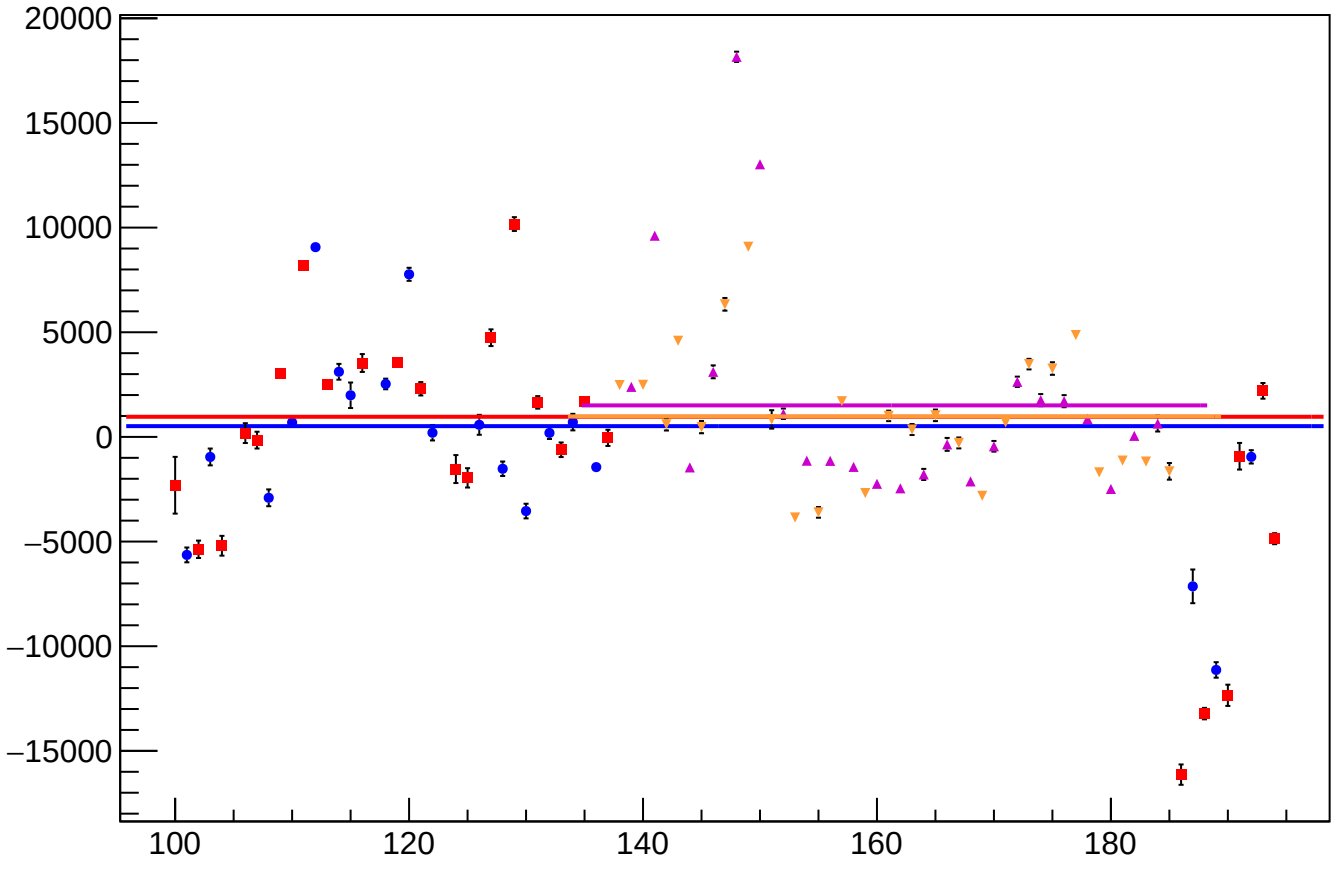
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.820+/-0.026 χ^2/NDF: 1529737.5/43

All: 185.859+/-0.018 χ^2/NDF: 3661319.8/91

- sign 180.703+/-0.024 χ^2/NDF: 2034786.8/47

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: 962.287+/-62.657 χ^2/NDF: 8316.4/24

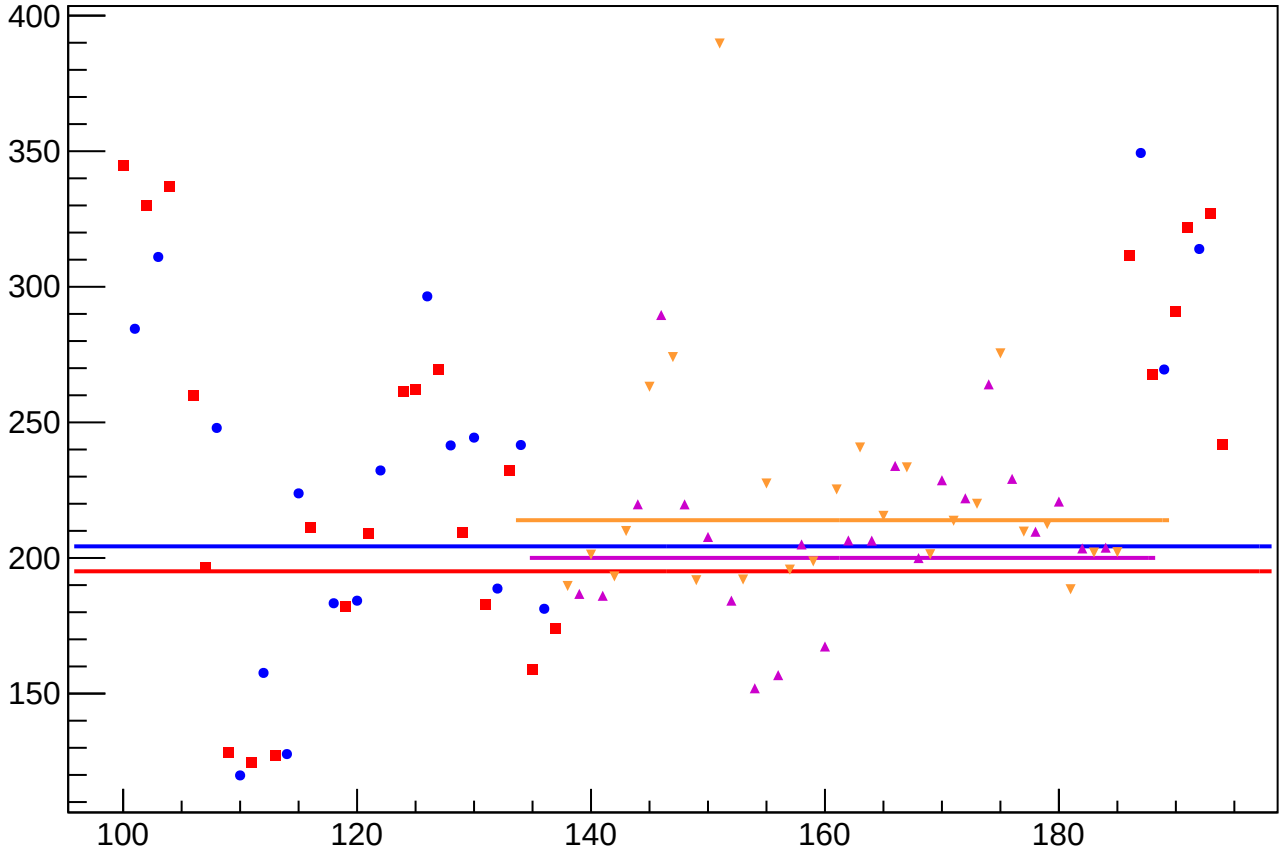
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 829.545+/-40.882 χ^2/NDF: 8174.4/43

All: 1083.325+/-27.884 χ^2/NDF: 28090.7/91

- sign 1304.078+/-38.129 χ^2/NDF: 19844.3/47

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: 195.088+/-0.044 χ^2/NDF: 2211229.9/24

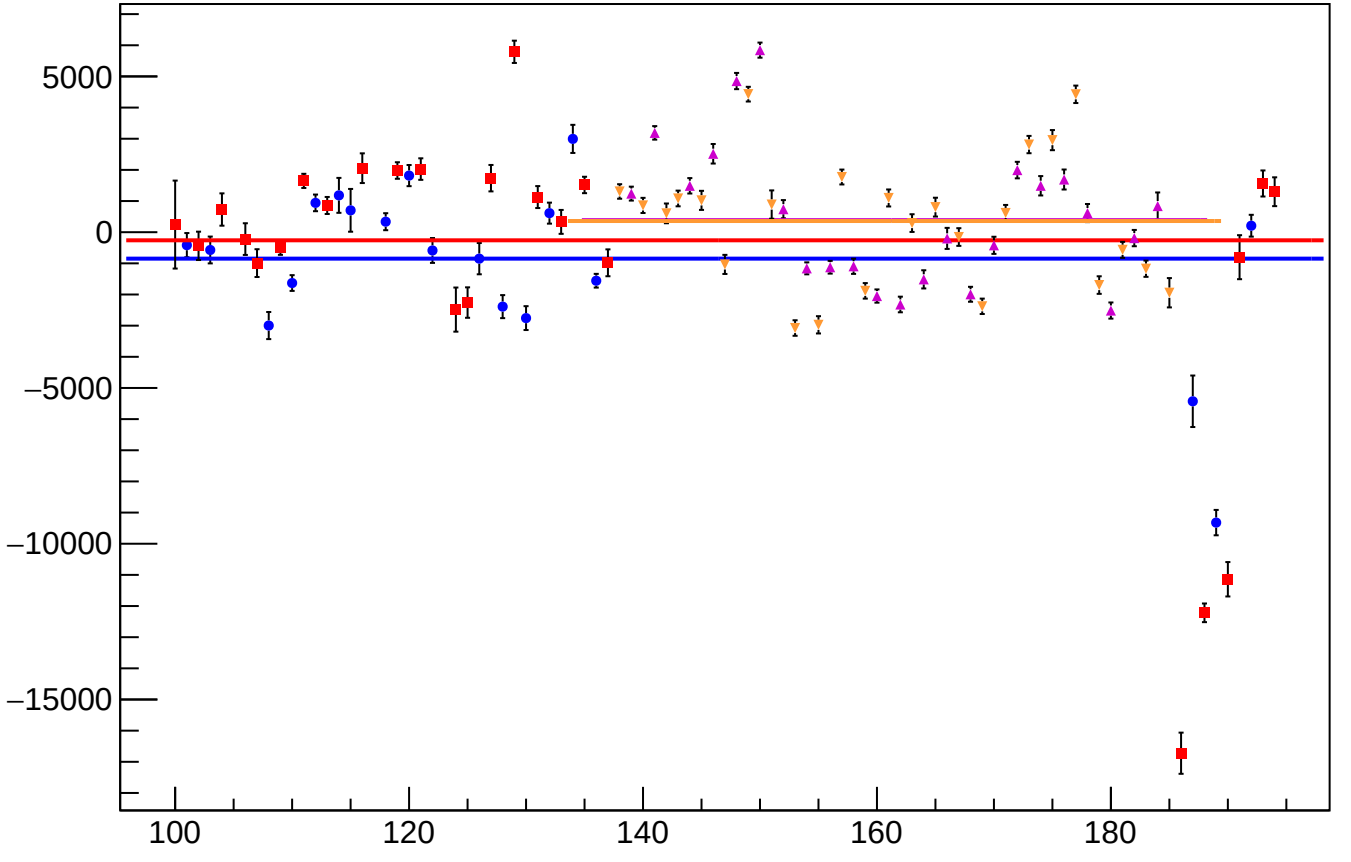
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 210.838+/-0.029 χ^2/NDF: 2122821.2/43

All: 204.079+/-0.020 χ^2/NDF: 5229613.8/91

- sign 198.200+/-0.027 χ^2/NDF: 3004590.3/47

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: -260.439+/-74.179 χ^2/NDF: 3268.1/24

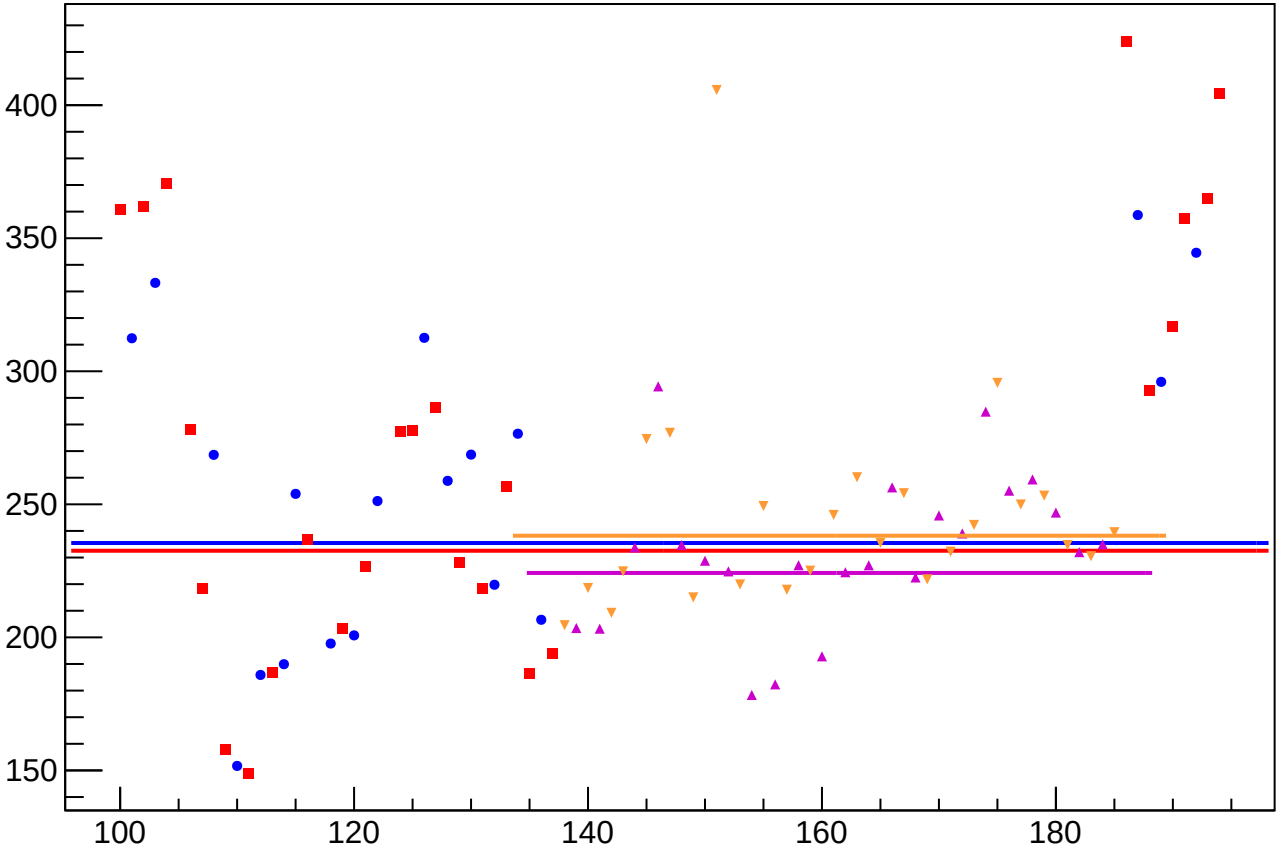
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -15.921+/-45.672 χ^2/NDF: 2364.7/43

All: 79.277+/-31.463 χ^2/NDF: 7495.3/91

- sign 165.267+/-43.407 χ^2/NDF: 5122.3/47

asym_bpm0i07WS_rms vs Slug



Right In: 235.466+/-0.058 χ^2/NDF: 966882.0/18

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 232.557+/-0.052 χ^2/NDF: 1902032.4/24

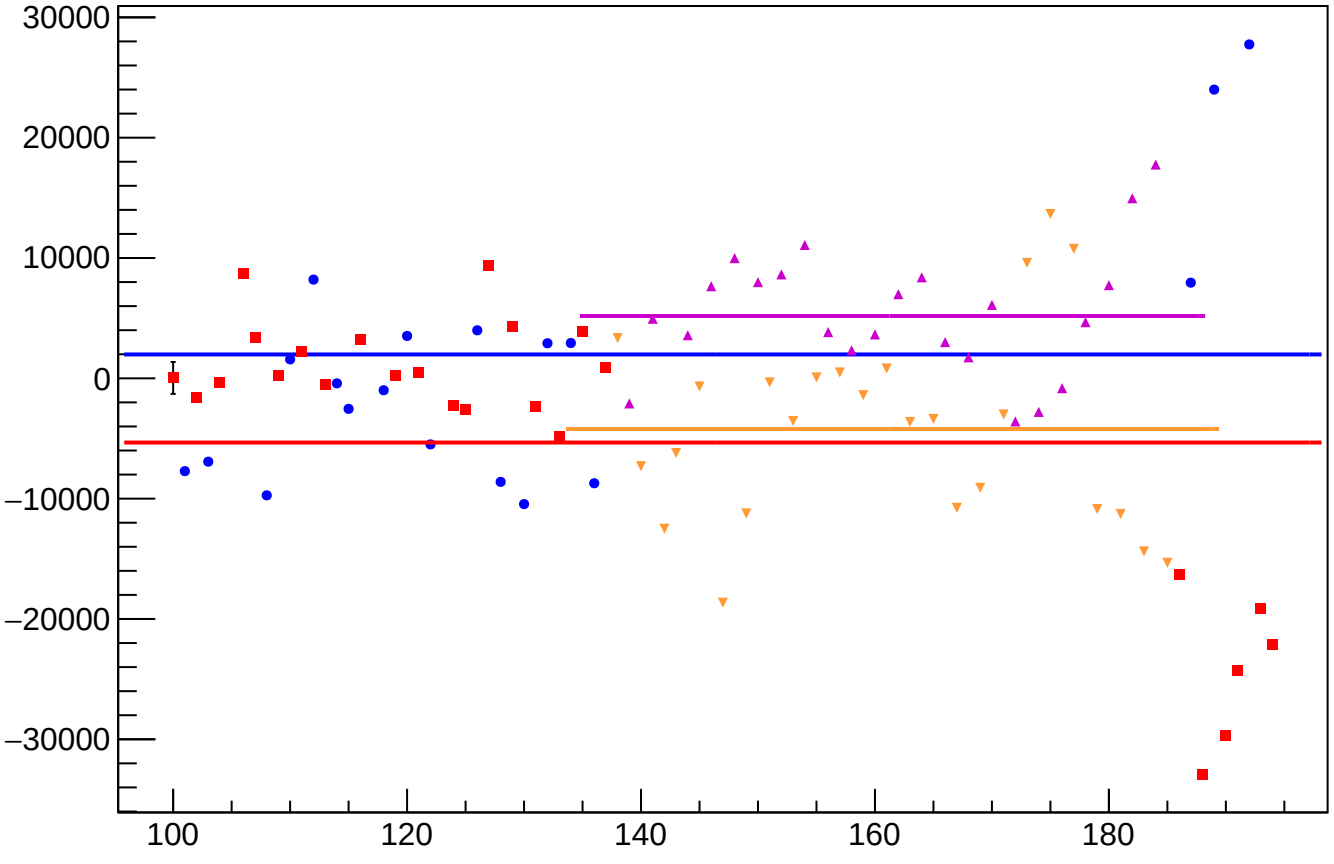
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 237.351+/-0.032 χ^2/NDF: 1536350.0/43

All: 231.949+/-0.022 χ^2/NDF: 4071515.1/91

- sign 227.069+/-0.031 χ^2/NDF: 2481906.5/47

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: -5335.781+/-38.499 χ^2/NDF: 101168.4/24

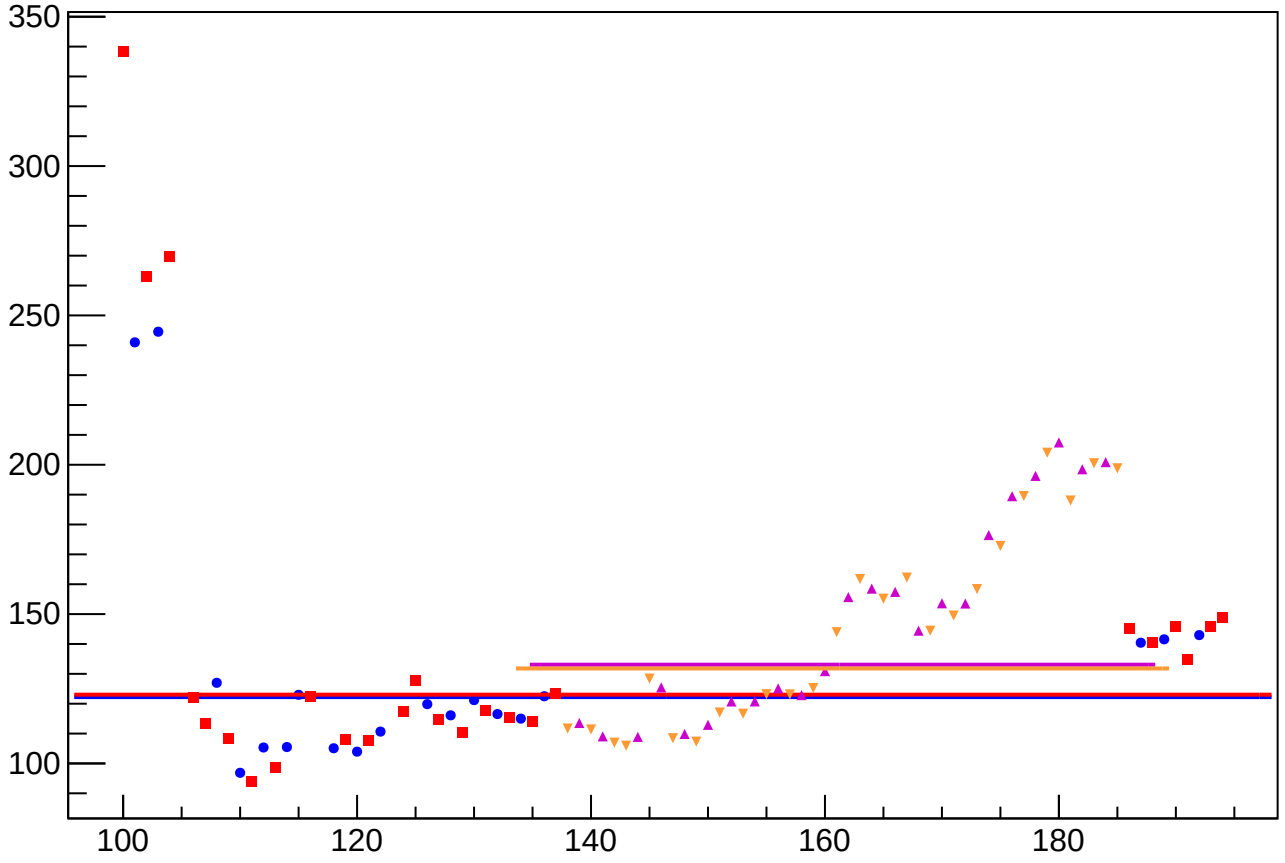
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -2107.278+/-25.054 χ^2/NDF: 138965.5/43

All: -582.380+/-17.551 χ^2/NDF: 310092.9/91

- sign 887.180+/-24.595 χ^2/NDF: 163852.8/47

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: 123.025+/-0.027 χ^2/NDF: 1079246.9/24

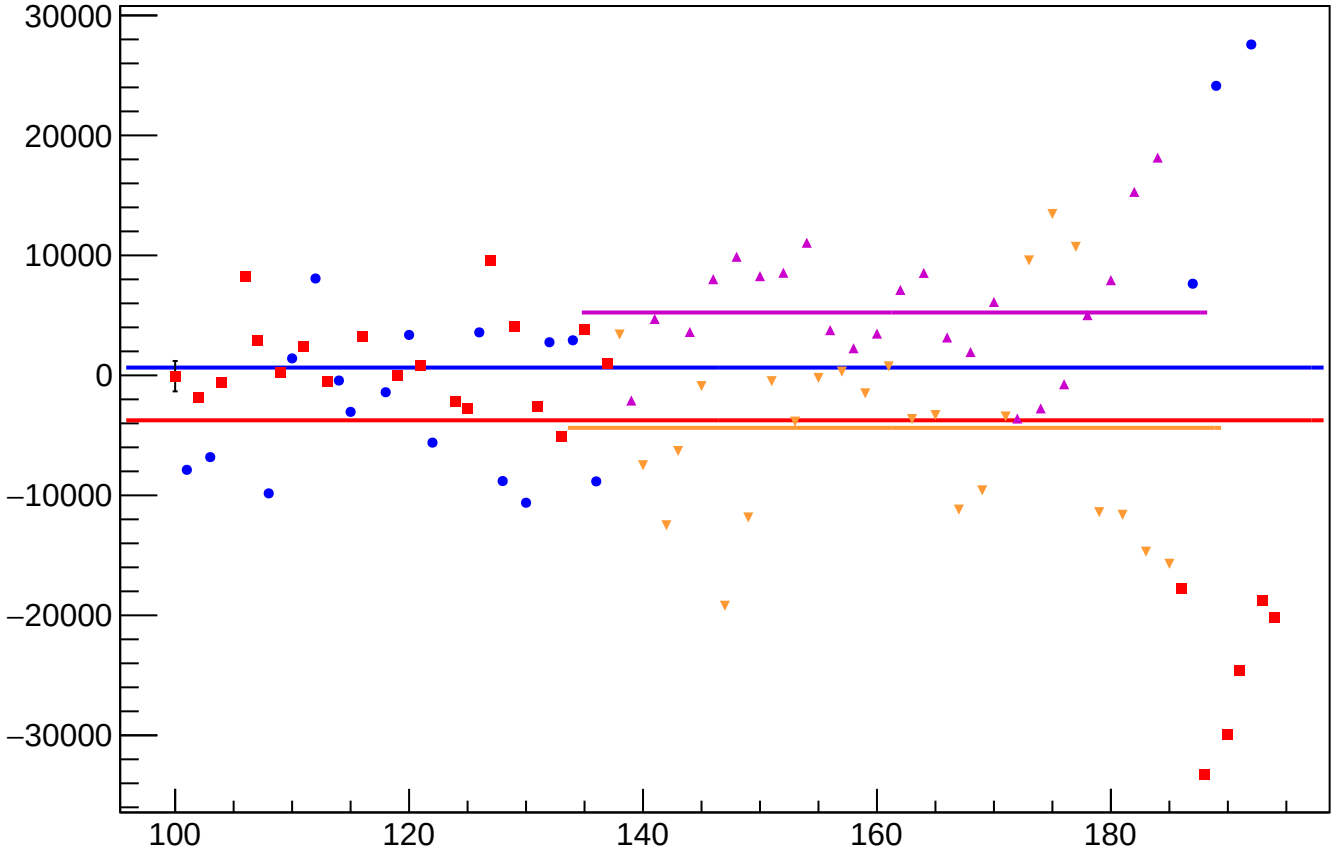
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 128.544+/-0.018 χ^2/NDF: 2422614.0/43

All: 128.758+/-0.012 χ^2/NDF: 5000849.4/91

- sign 128.965+/-0.017 χ^2/NDF: 2577947.3/47

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: -3745.150+/-34.042 χ^2/NDF: 108918.5/24

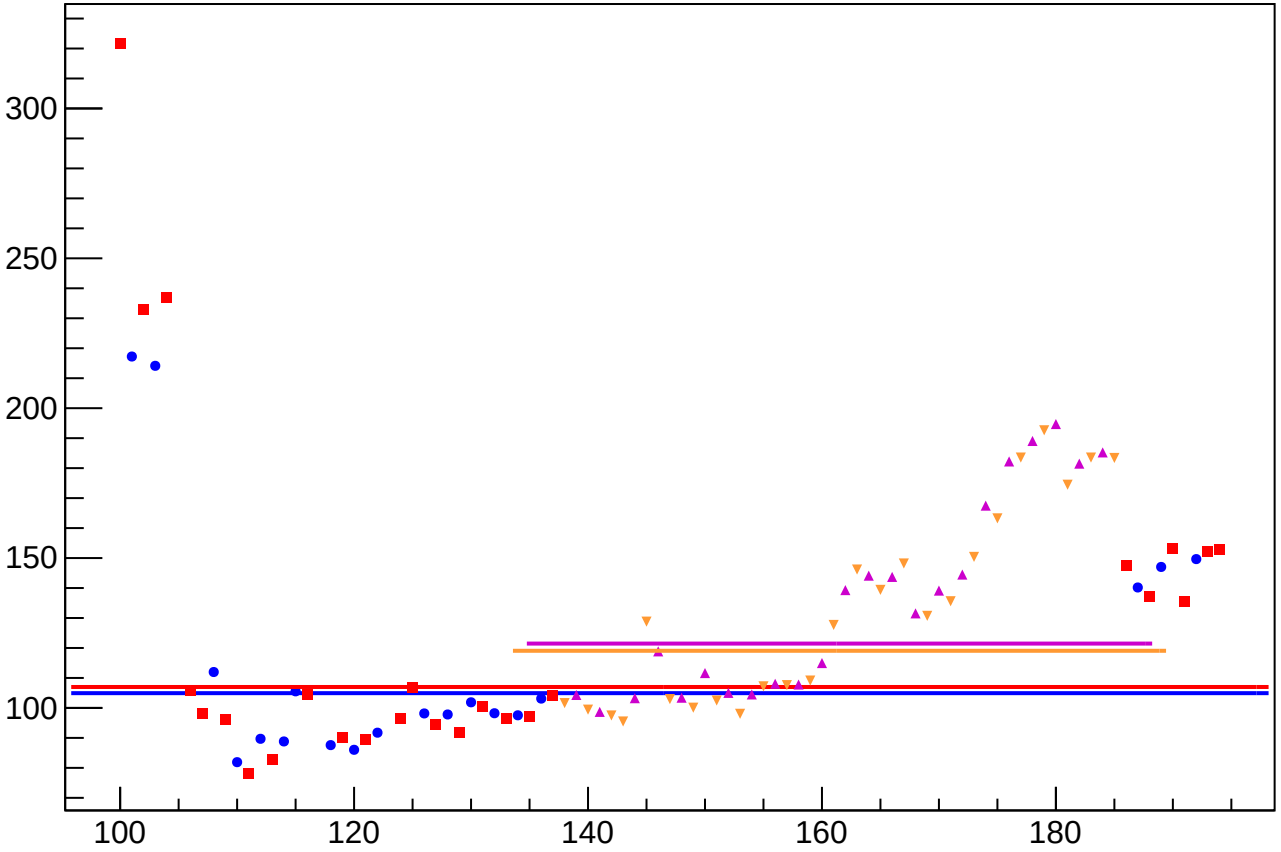
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -2574.964+/-22.400 χ^2/NDF: 151668.0/43

All: -556.567+/-15.763 χ^2/NDF: 339017.8/91

- sign 1423.490+/-22.186 χ^2/NDF: 171265.2/47

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: 106.985+/-0.024 χ^2/NDF: 1589740.2/24

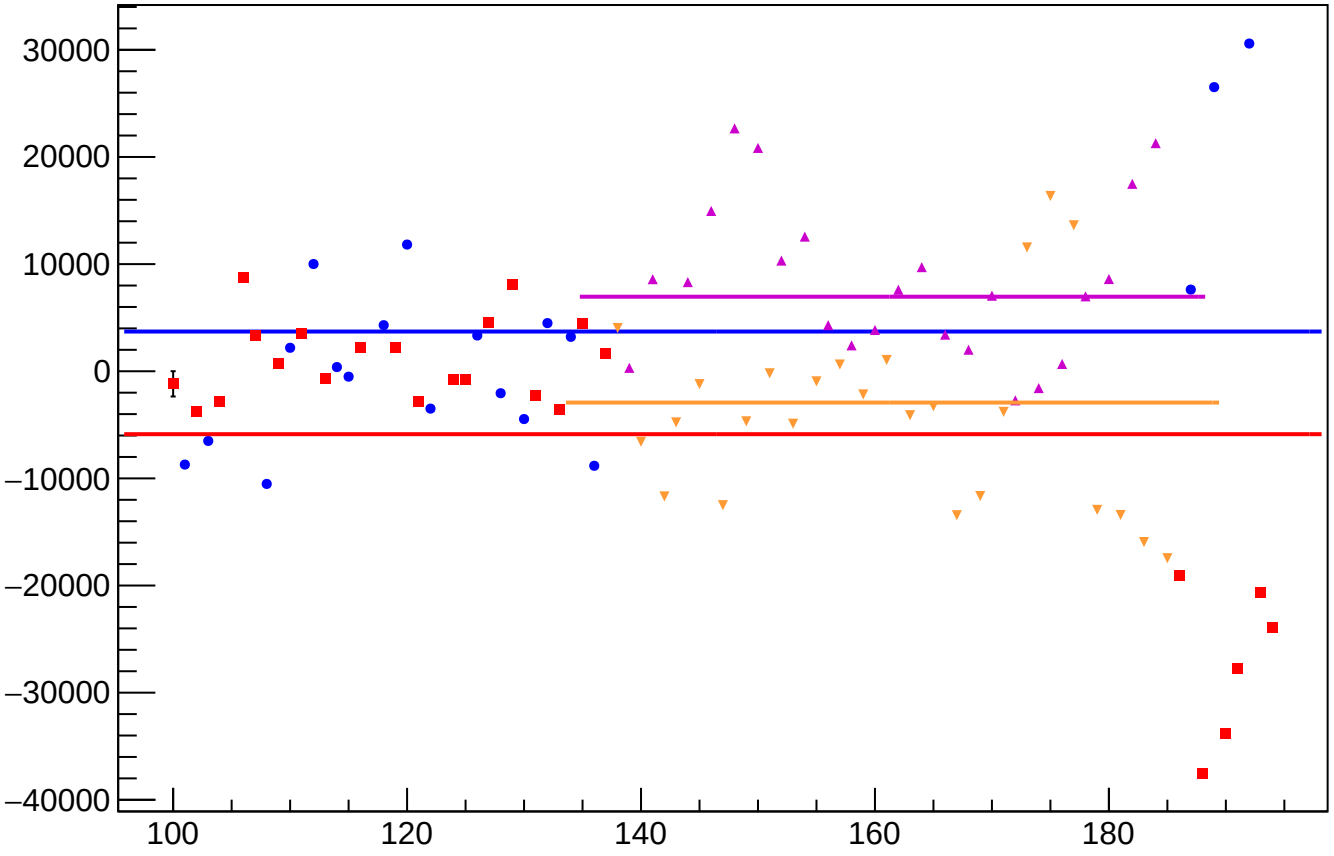
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 114.003+/-0.016 χ^2/NDF: 3063115.2/43

All: 114.666+/-0.011 χ^2/NDF: 6393938.5/91

- sign 115.317+/-0.016 χ^2/NDF: 3327351.5/47

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: -5873.111+/-44.997 χ^2/NDF: 90417.0/24

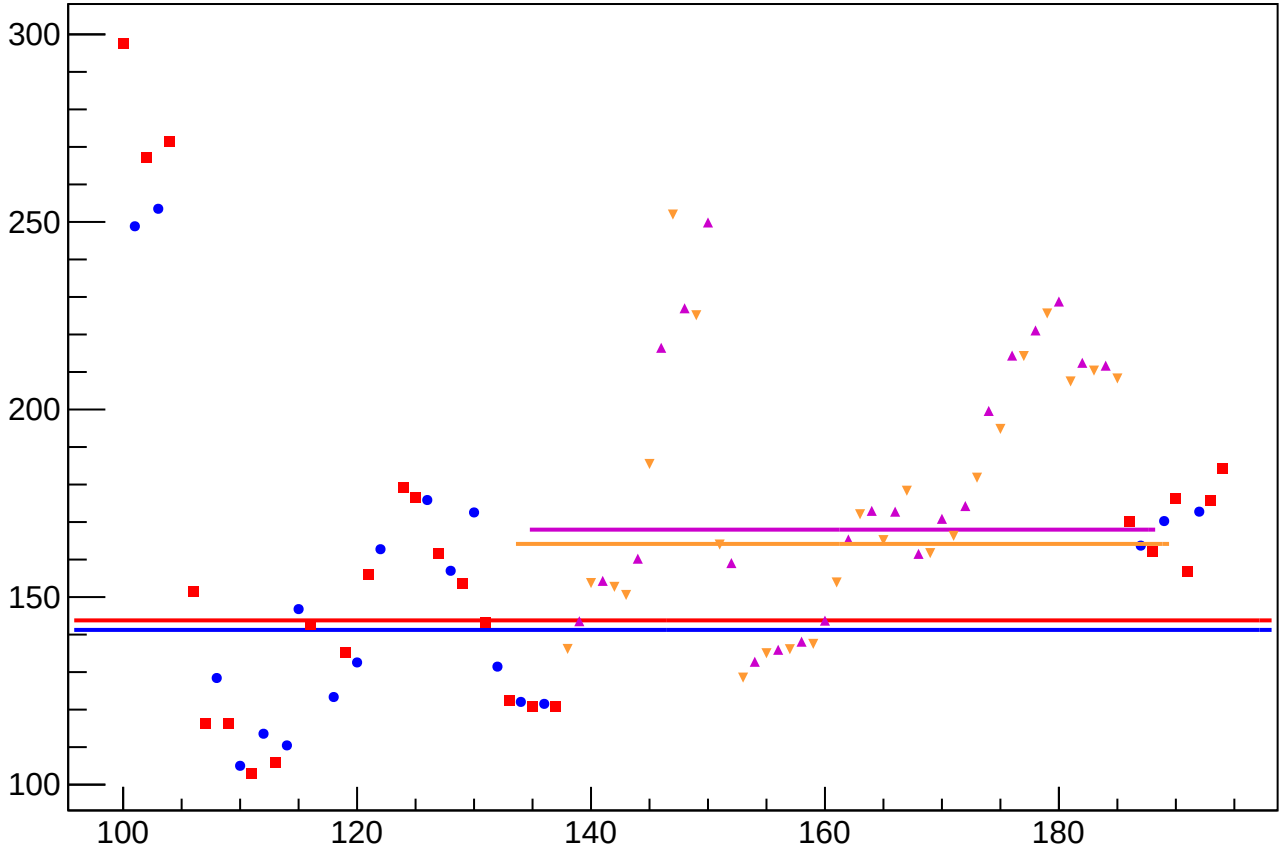
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign -452.932+/-30.246 χ^2/NDF: 103854.3/43

All: 408.018+/-21.299 χ^2/NDF: 263385.6/91

- sign 1254.854+/-29.997 χ^2/NDF: 157924.1/47

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: 143.787+/-0.032 χ^2/NDF: 1191613.5/24

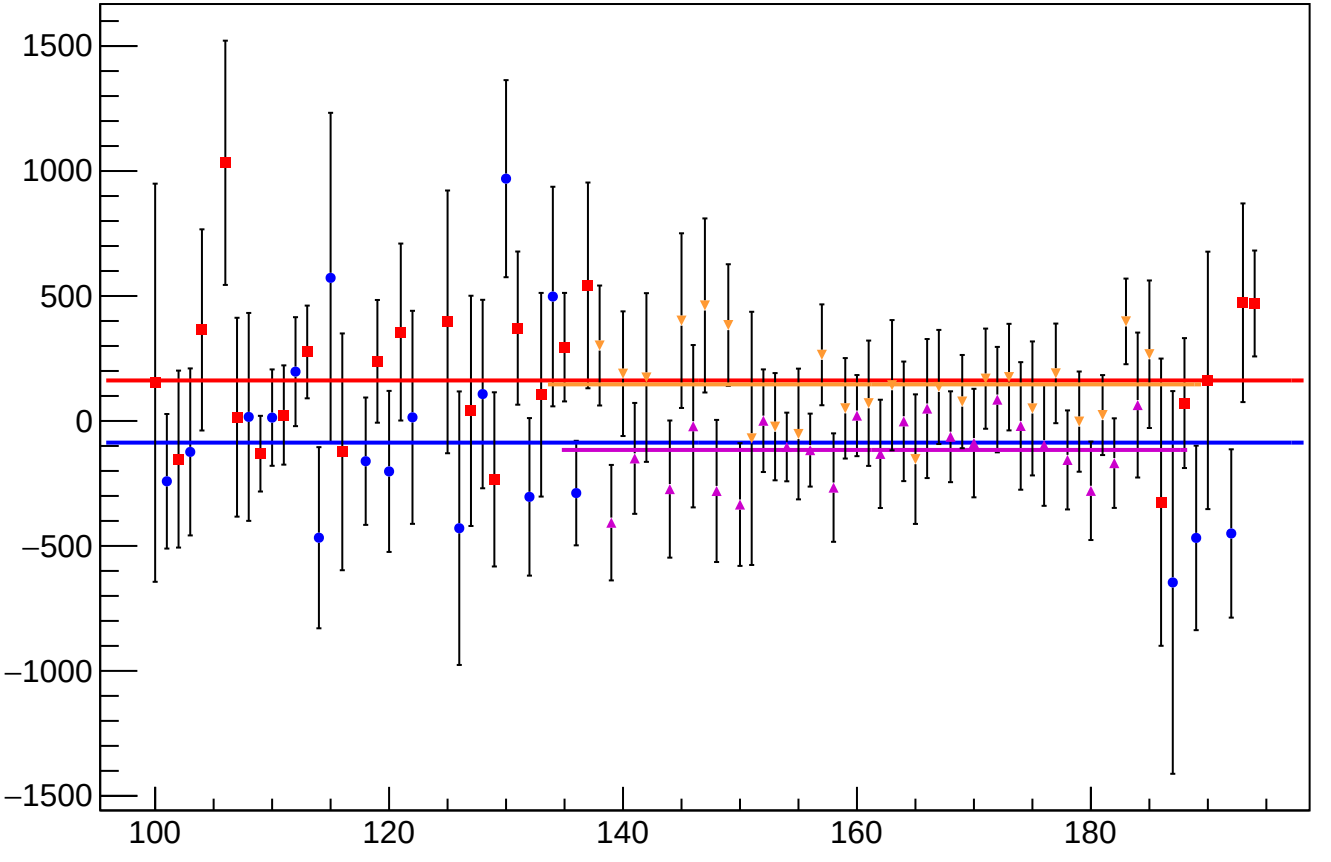
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 155.631+/-0.021 χ^2/NDF: 2408178.3/43

All: 156.435+/-0.015 χ^2/NDF: 5146411.2/91

- sign 157.225+/-0.021 χ^2/NDF: 2735430.9/47

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: 162.066+/-61.561 χ^2/NDF: 16.6/22

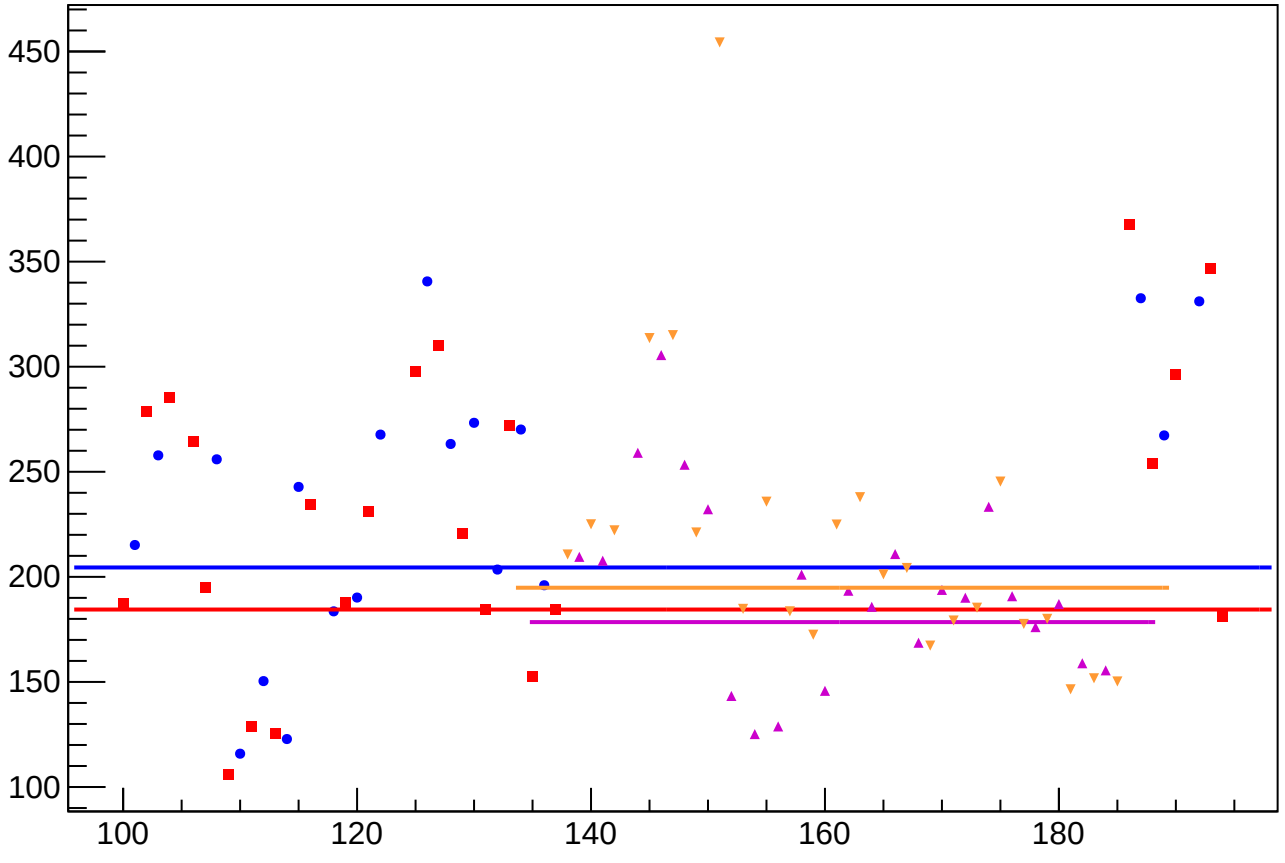
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

\+ sign 77.679+/-39.412 χ^2/NDF: 35.7/42

All: 22.167+/-26.411 χ^2/NDF: 77.1/88

\- sign -23.082+/-35.583 χ^2/NDF: 37.8/45

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: 184.454+/-0.044 χ^2/NDF: 2449173.6/22

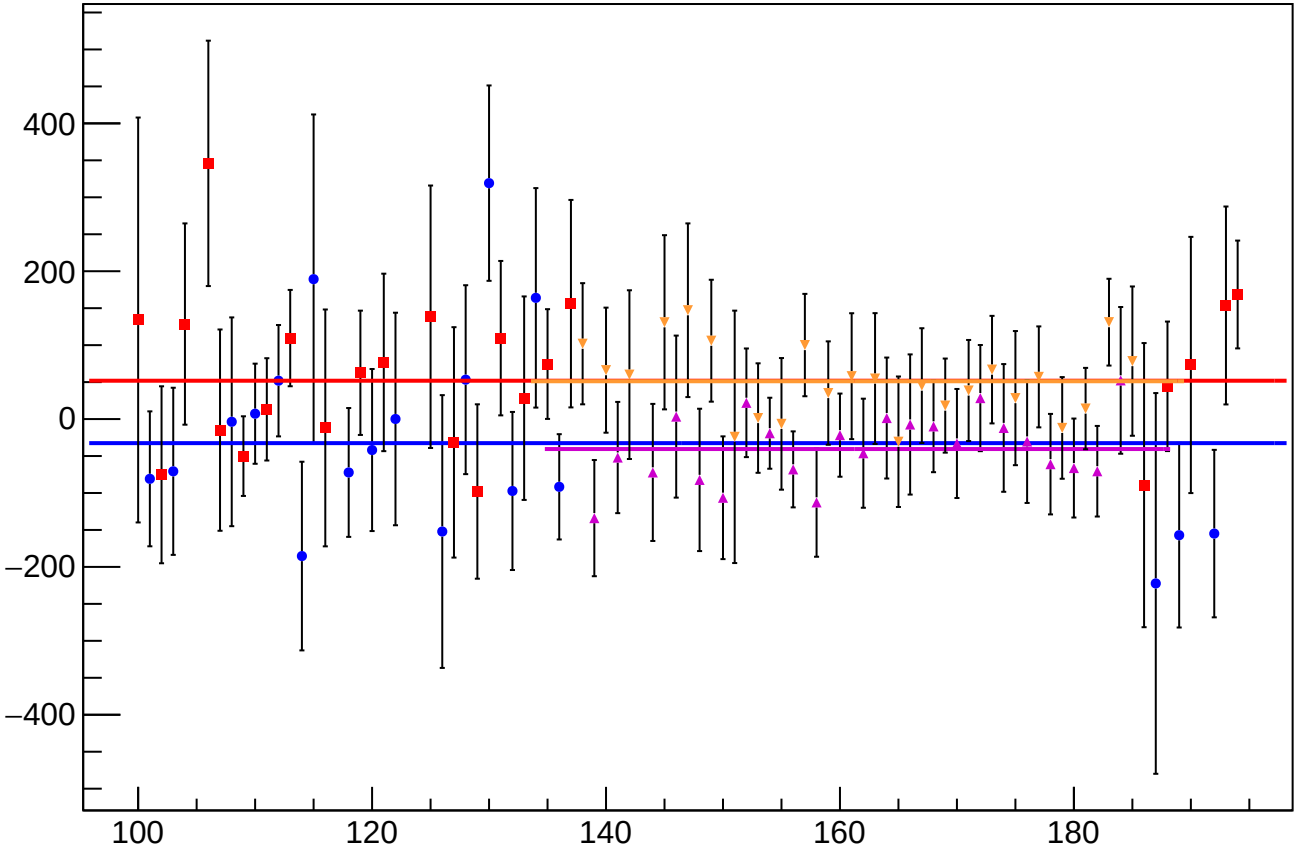
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

\+ sign 197.670+/-0.028 χ^2/NDF: 3255311.1/42

All: 188.196+/-0.019 χ^2/NDF: 7603098.6/88

\- sign 180.473+/-0.025 χ^2/NDF: 4138002.0/45

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

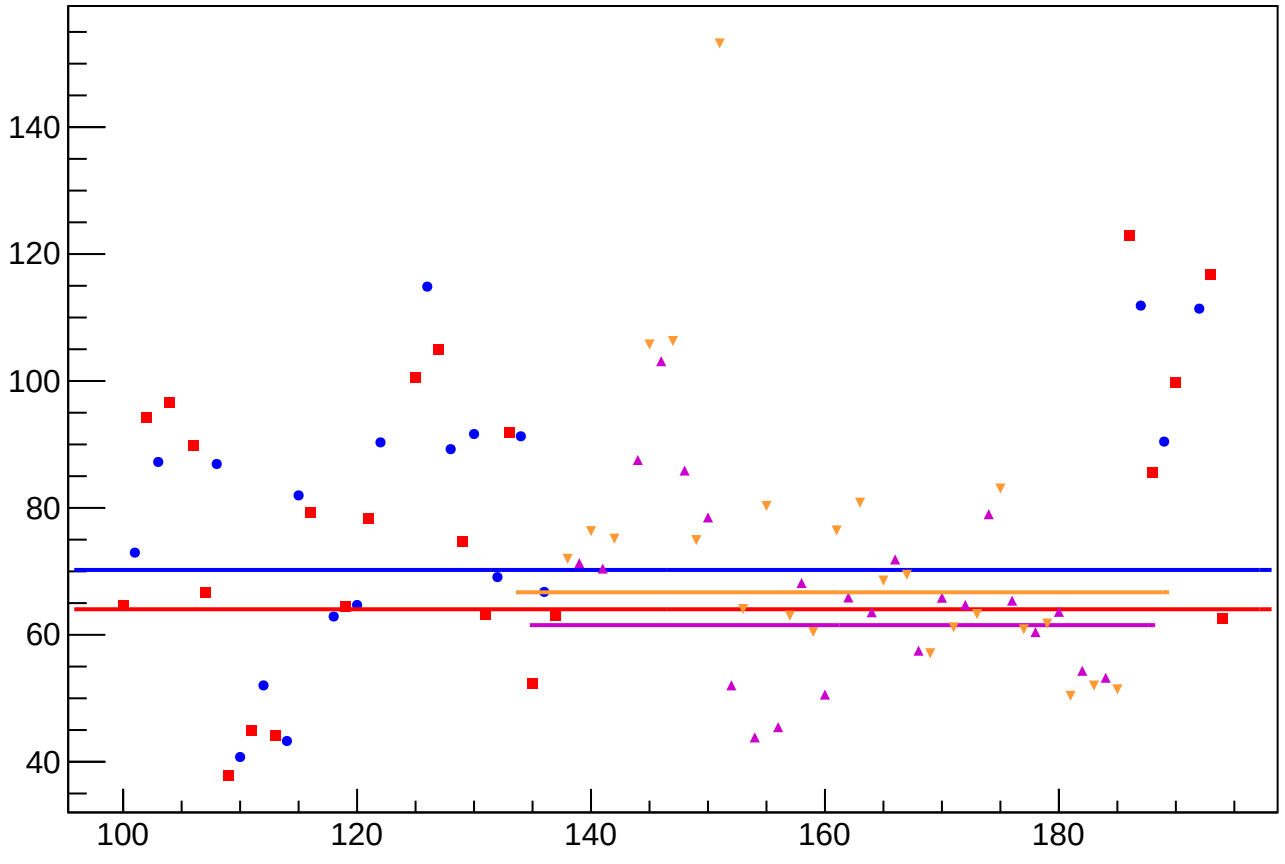
Right Out: 51.870+/-21.214 χ^2/NDF: 16.6/22

Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign 26.512+/-13.471 χ^2/NDF: 34.3/42

All: 6.616+/-9.057 χ^2/NDF: 75.5/88

- sign -9.799+/-12.235 χ^2/NDF: 37.2/45



Right In: 70.227+/-0.018 χ^2/NDF: 1351914.0/18

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 64.030+/-0.015 χ^2/NDF: 2226716.1/22

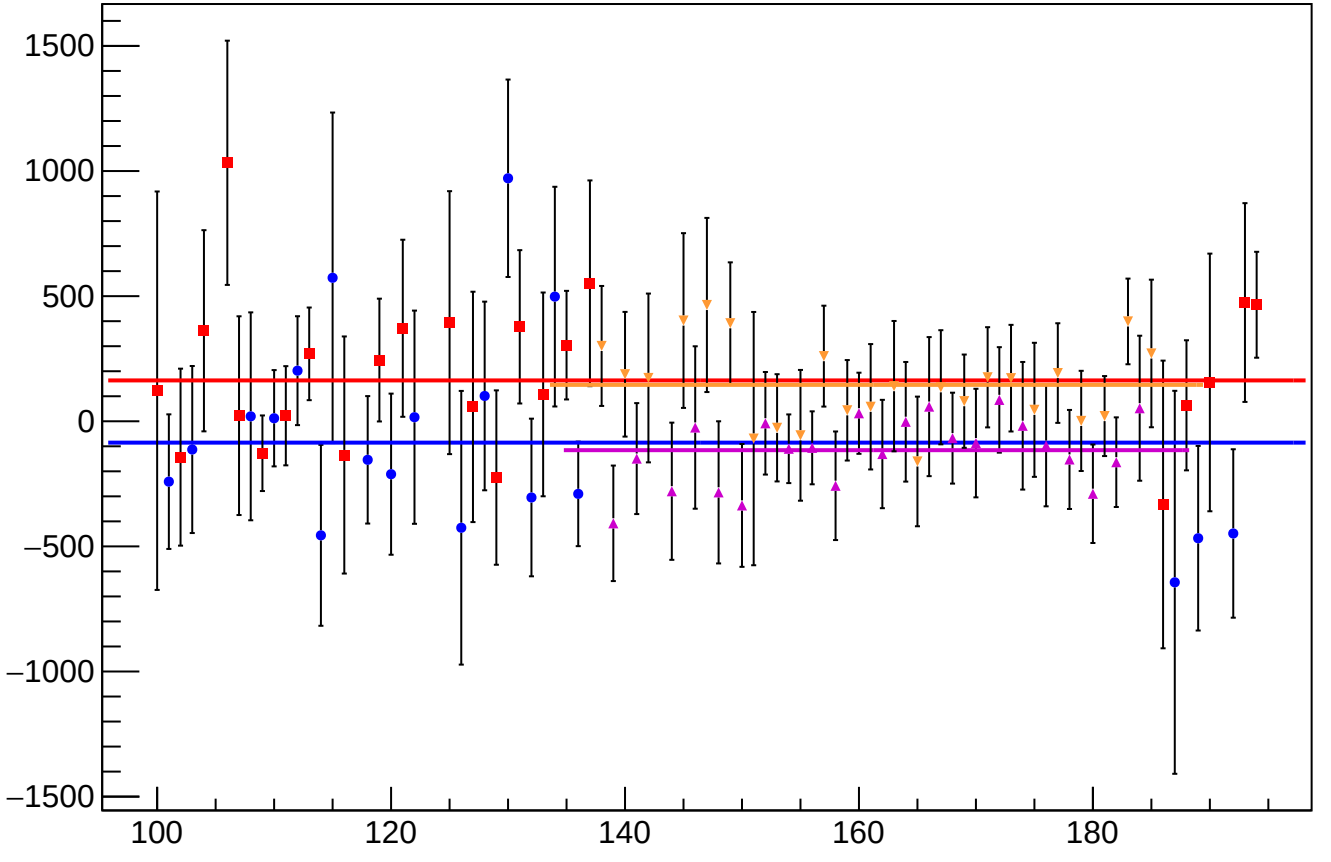
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 67.741+/-0.010 χ^2/NDF: 3056677.1/42

All: 64.793+/-0.006 χ^2/NDF: 6966581.2/88

- sign 62.361+/-0.009 χ^2/NDF: 3735111.5/45

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: 163.279+/-61.488 χ^2/NDF: 16.6/22

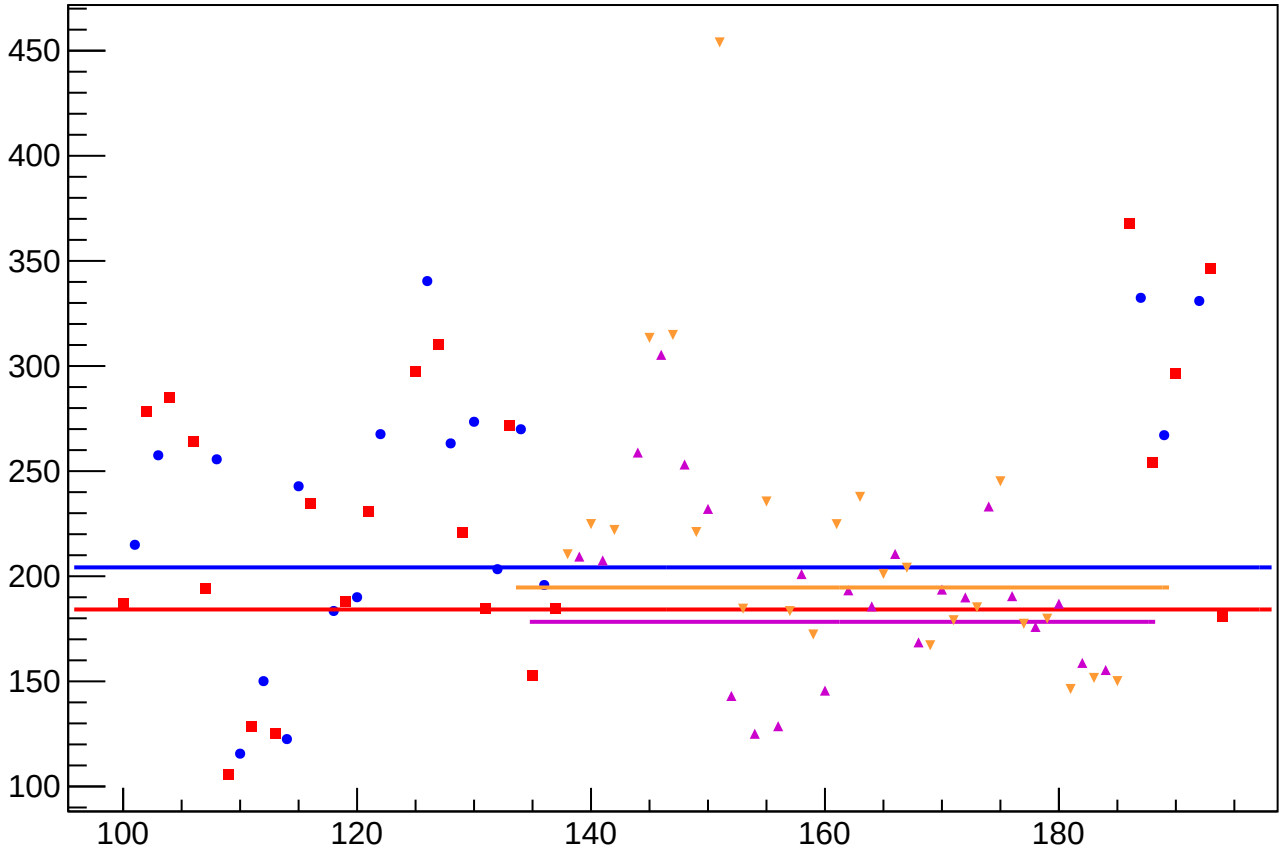
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 77.431+/-39.376 χ^2/NDF: 35.9/42

All: 22.478+/-26.386 χ^2/NDF: 77.4/88

- sign -22.311+/-35.549 χ^2/NDF: 38.0/45

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: 184.193+/-0.043 χ^2/NDF: 2457479.7/22

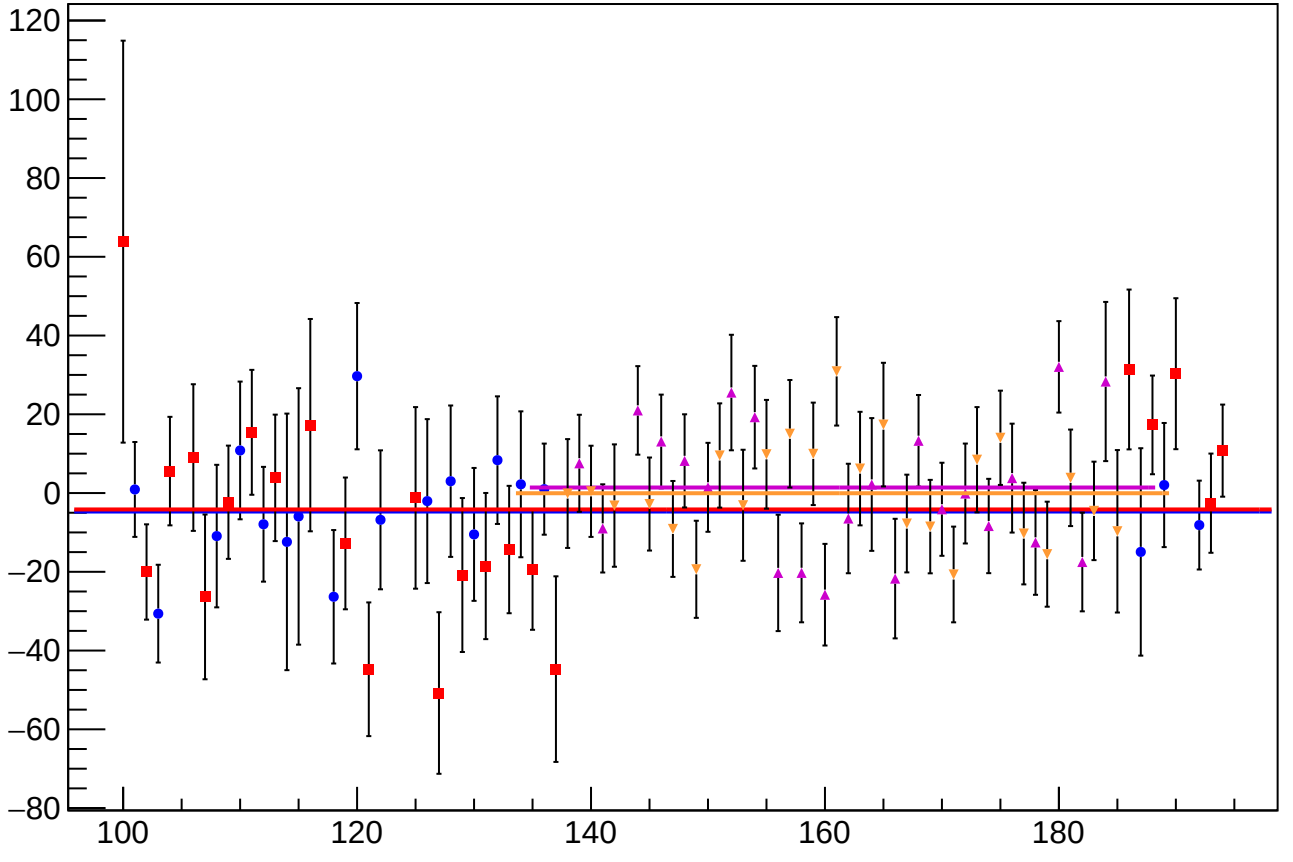
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

\+ sign 197.477+/-0.028 χ^2/NDF: 3261165.3/42

All: 188.003+/-0.019 χ^2/NDF: 7619268.0/88

\- sign 180.282+/-0.025 χ^2/NDF: 4147973.8/45

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: -4.165+/-3.459 χ^2/NDF: 35.8/22

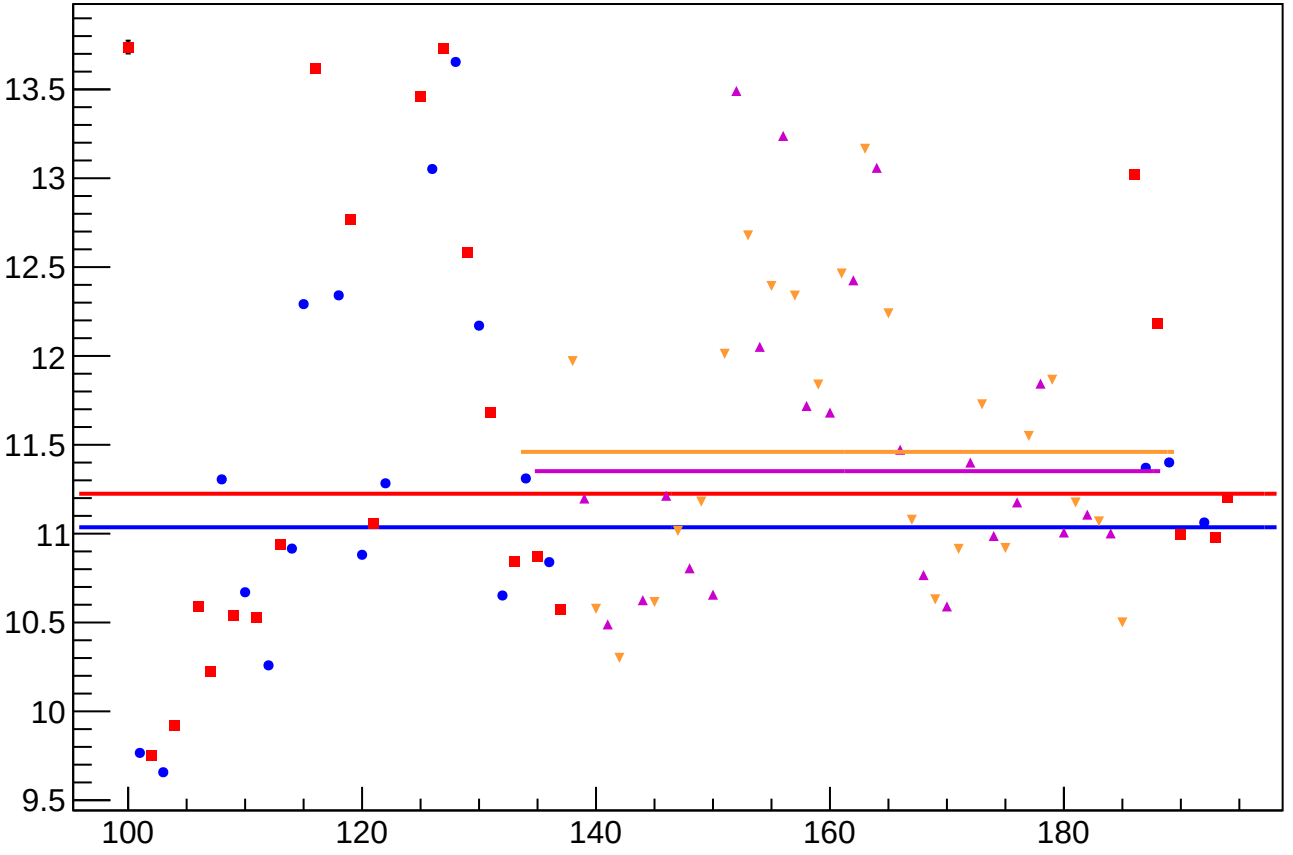
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.633+/-2.179 χ^2/NDF: 33.9/42

All: -1.141+/-1.518 χ^2/NDF: 107.7/88

- sign -0.677+/-2.116 χ^2/NDF: 73.7/45

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: 11.225+/-0.002 χ^2/NDF: 192936.0/22

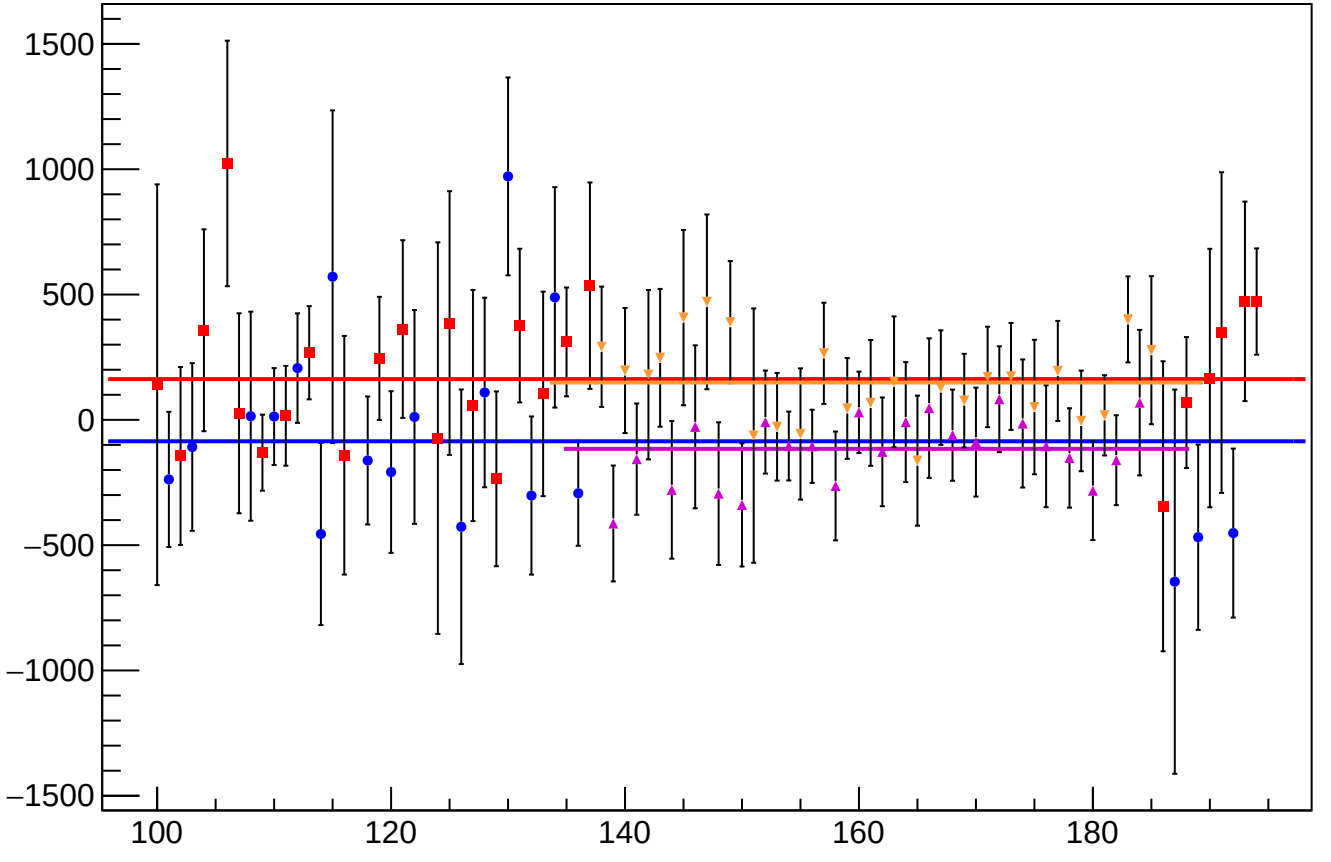
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.315+/-0.002 χ^2/NDF: 305198.0/42

All: 11.310+/-0.001 χ^2/NDF: 670413.9/88

- sign 11.304+/-0.001 χ^2/NDF: 365189.3/45

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: 162.655+/-61.204 χ^2/NDF: 16.8/24

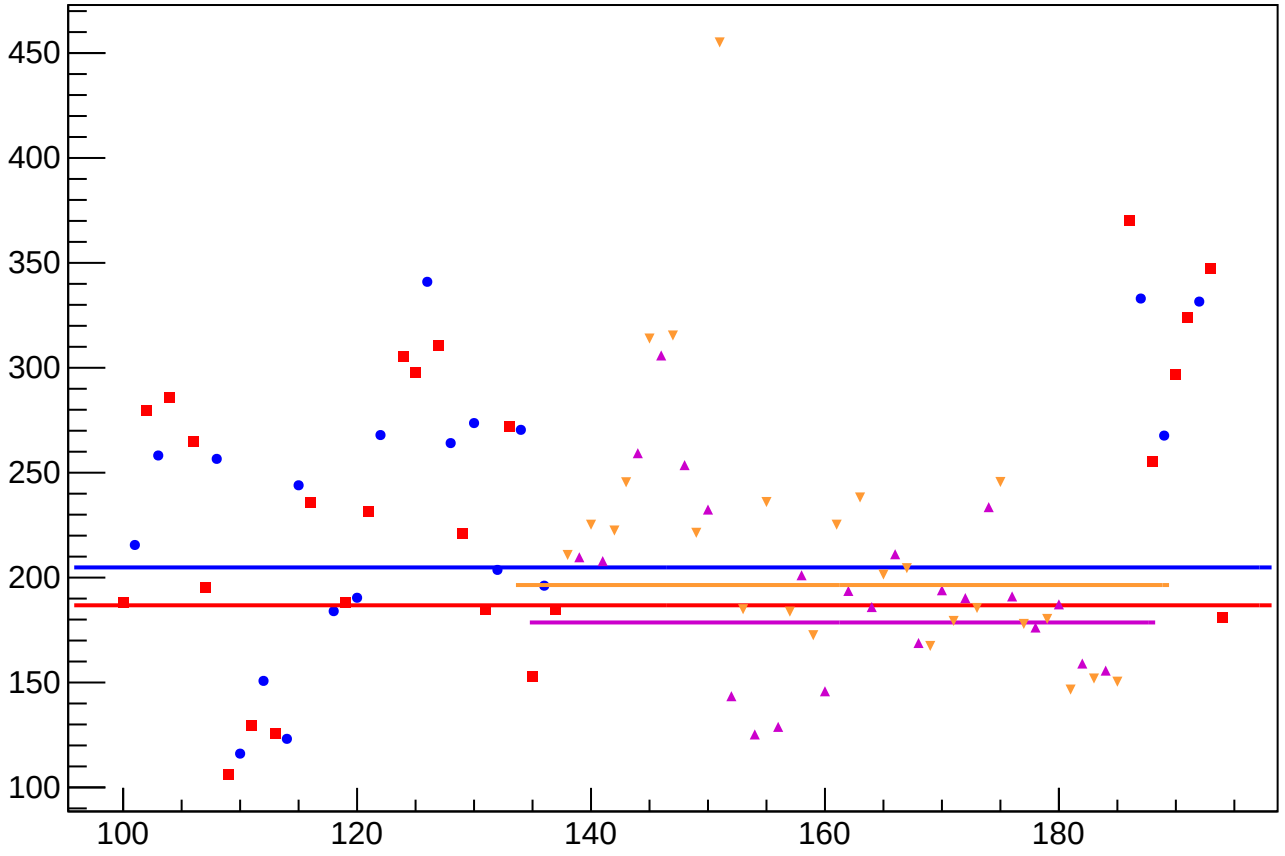
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 81.285+/-39.062 χ^2/NDF: 36.4/43

All: 24.831+/-26.285 χ^2/NDF: 78.5/91

- sign -21.885+/-35.533 χ^2/NDF: 38.3/47

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: 186.796+/-0.043 χ^2/NDF: 2592538.5/24

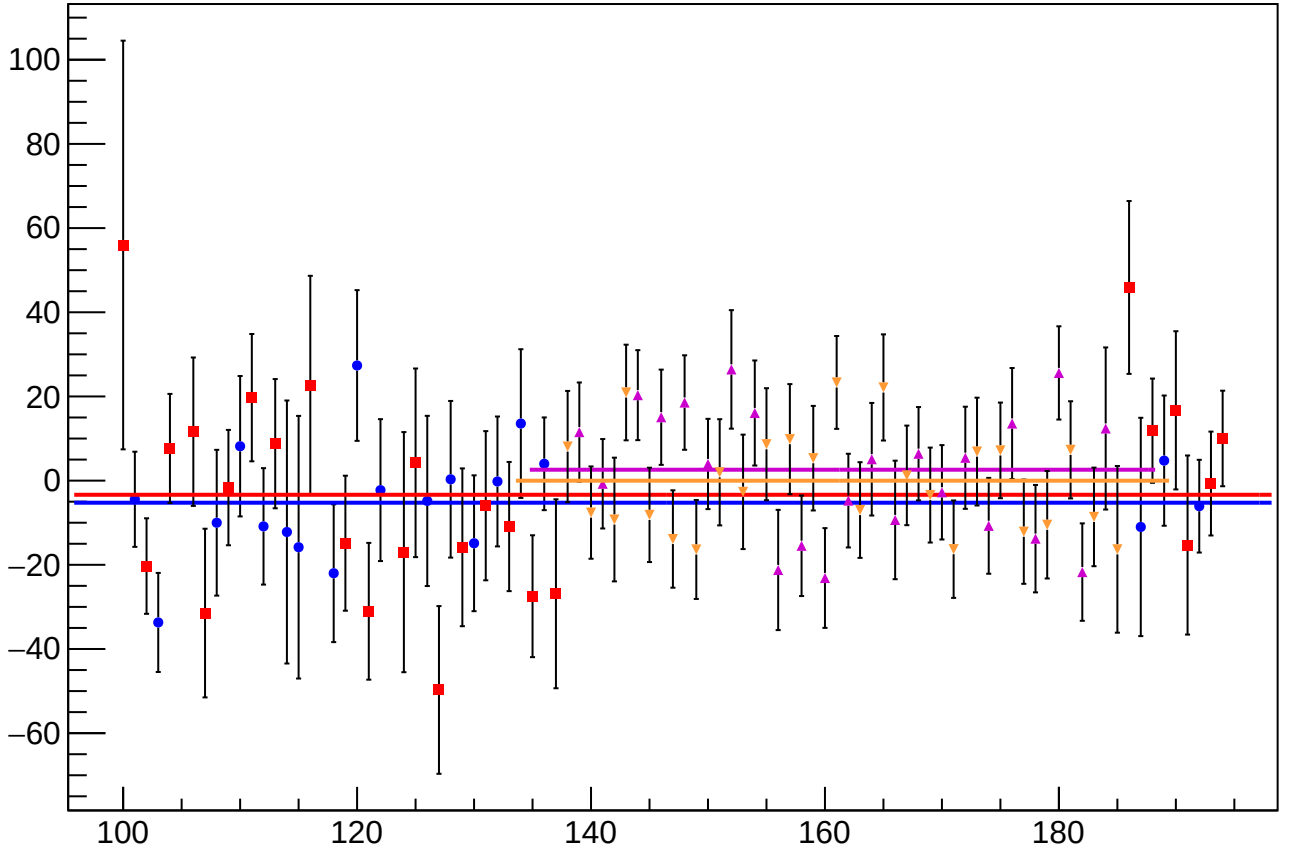
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 198.877+/-0.028 χ^2/NDF: 3313307.7/43

All: 189.298+/-0.019 χ^2/NDF: 7828186.4/91

- sign 181.372+/-0.025 χ^2/NDF: 4295093.5/47

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: -3.362+/-3.262 χ^2/NDF: 35.0/24

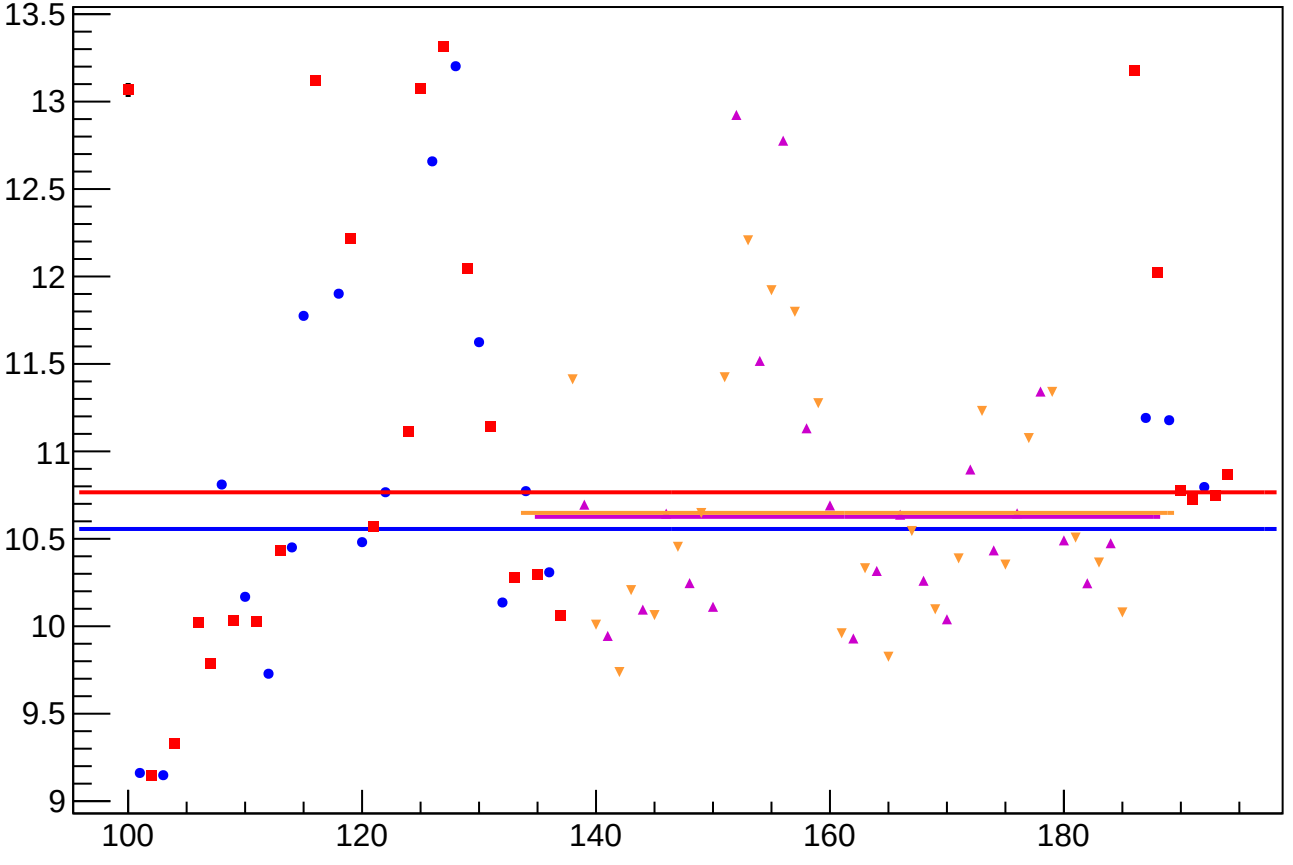
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.685+/-2.018 χ^2/NDF: 39.4/43

All: -0.636+/-1.416 χ^2/NDF: 111.8/91

- sign 0.382+/-1.987 χ^2/NDF: 71.9/47

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: 10.766+/-0.002 χ^2/NDF: 241663.7/24

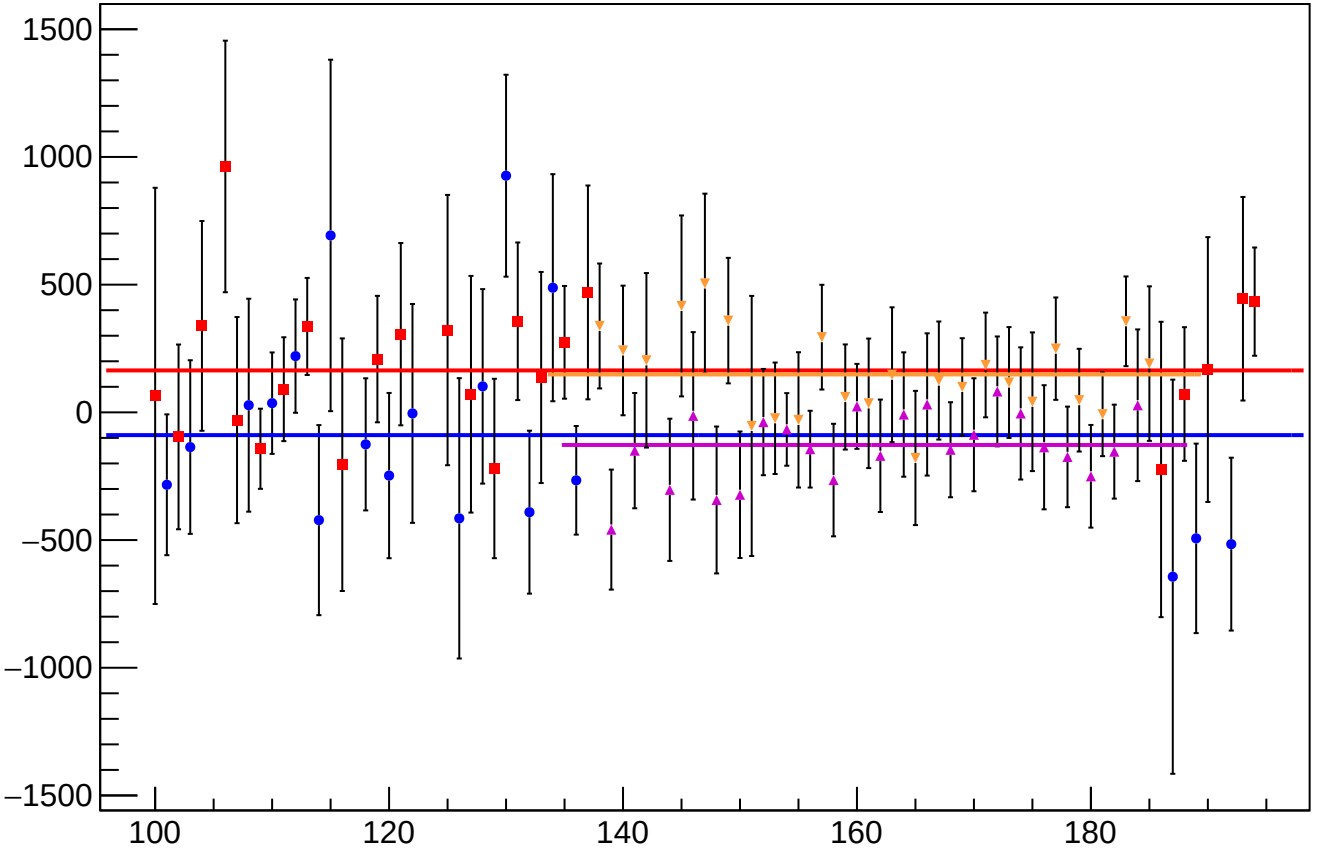
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.619+/-0.001 χ^2/NDF: 308130.7/43

All: 10.649+/-0.001 χ^2/NDF: 712524.4/91

- sign 10.678+/-0.001 χ^2/NDF: 403531.4/47

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: 164.157+/-62.629 χ^2/NDF: 14.3/22

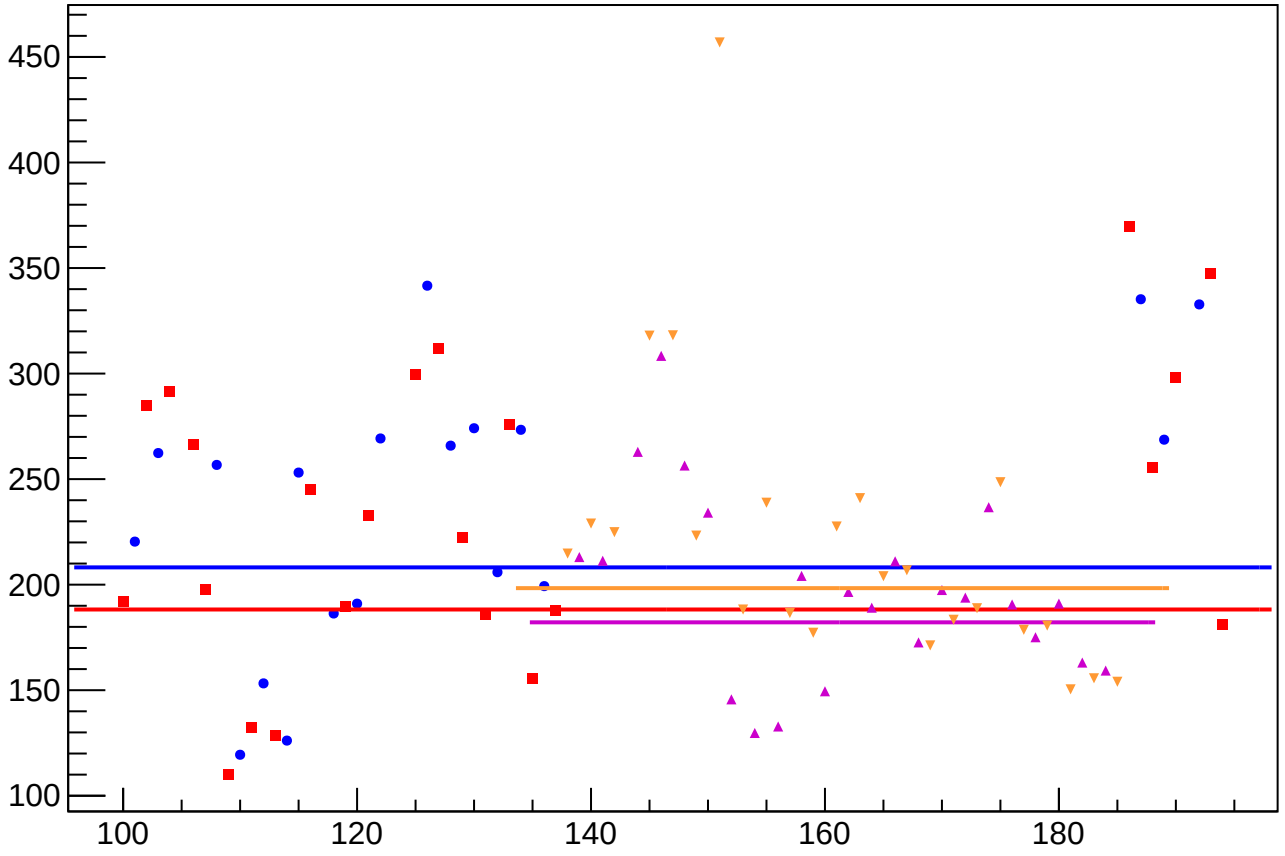
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 78.347+/-40.066 χ^2/NDF: 36.3/42

All: 18.743+/-26.875 χ^2/NDF: 76.9/88

- sign -30.009+/-36.235 χ^2/NDF: 36.6/45

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: 188.236+/-0.044 χ^2/NDF: 2352504.3/22

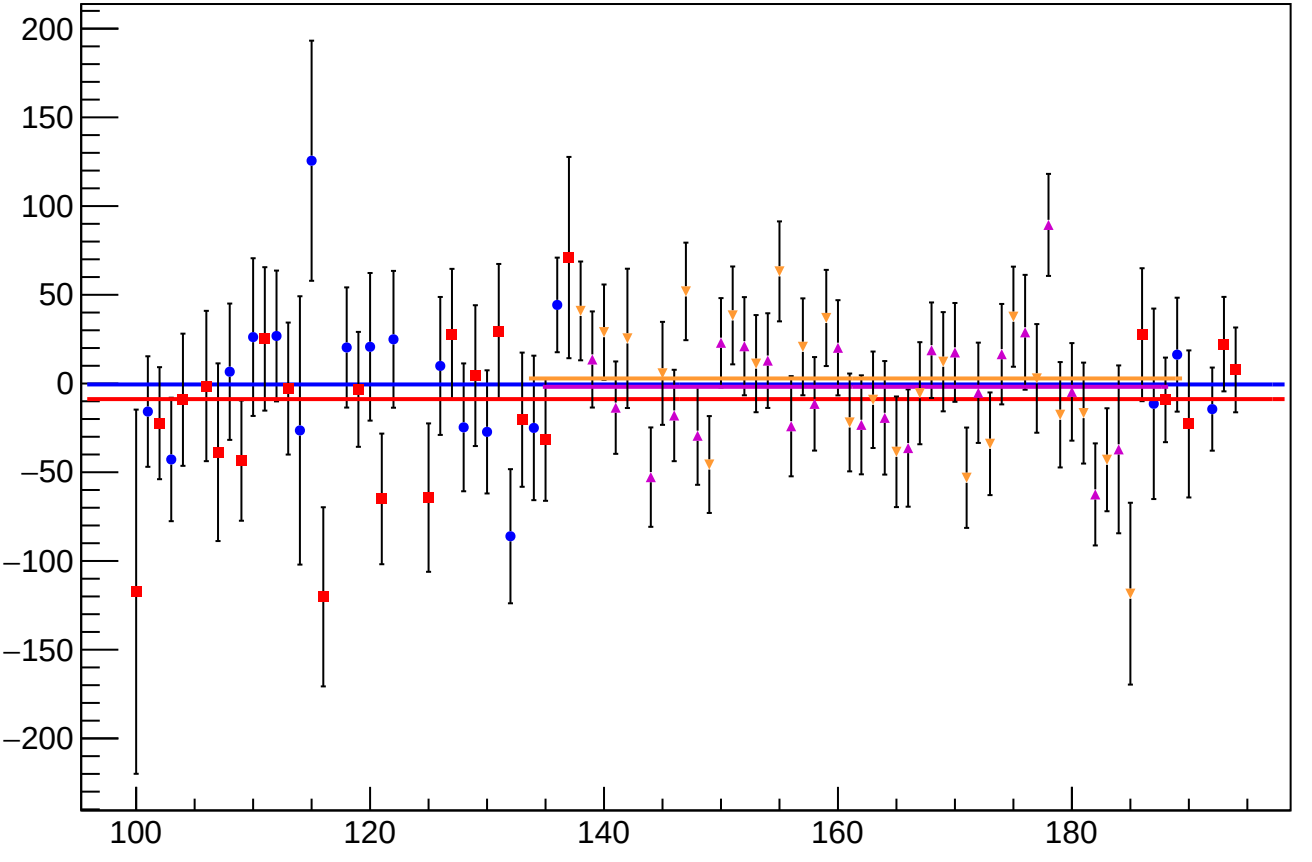
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

\+ sign 201.253+/-0.028 χ^2/NDF: 3137356.0/42

All: 191.866+/-0.019 χ^2/NDF: 7286380.5/88

\- sign 184.187+/-0.026 χ^2/NDF: 3949424.2/45

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: -8.781+/-7.503 χ^2/NDF: 20.0/22

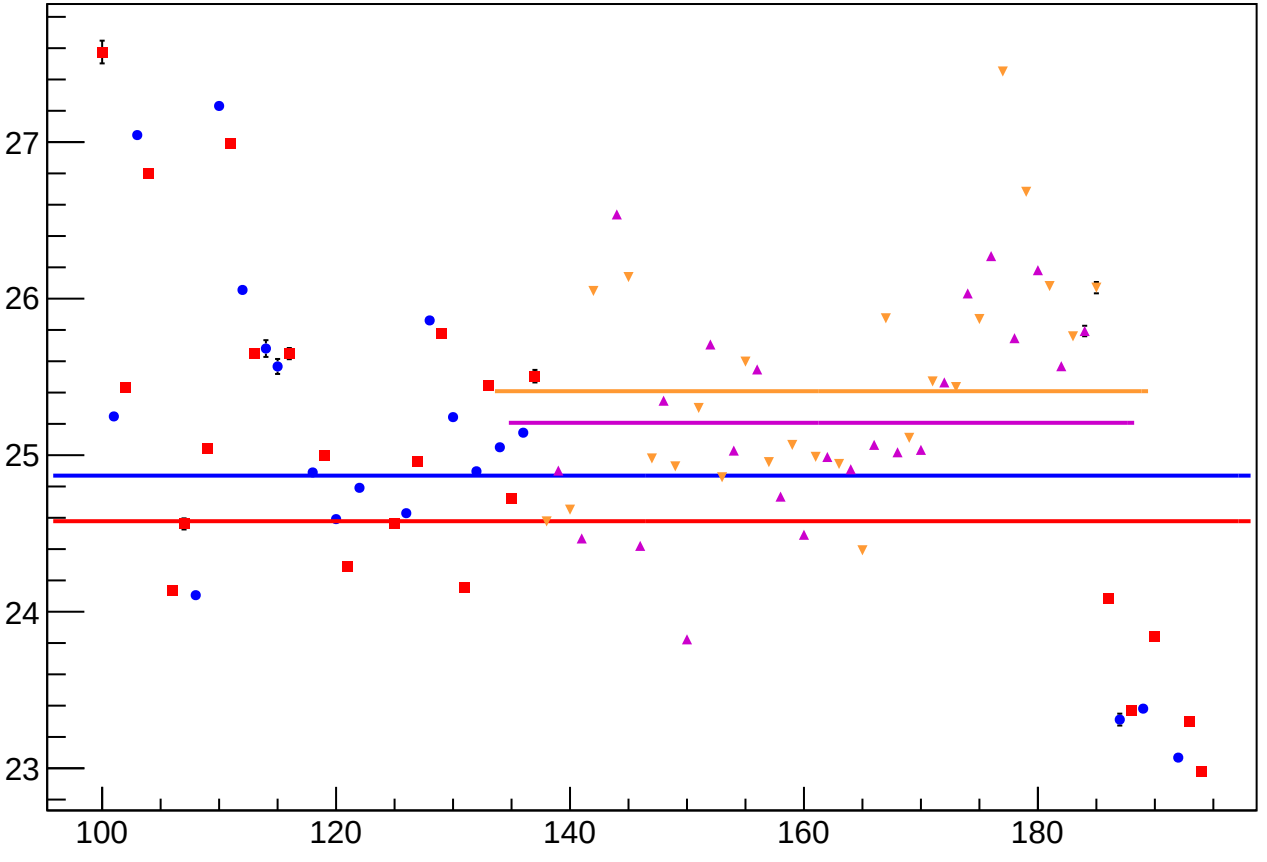
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.723+/-4.817 χ^2/NDF: 54.4/42

All: -1.506+/-3.340 χ^2/NDF: 103.8/88

- sign -4.494+/-4.635 χ^2/NDF: 48.6/45

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: 24.578+/-0.005 χ^2/NDF: 44621.5/22

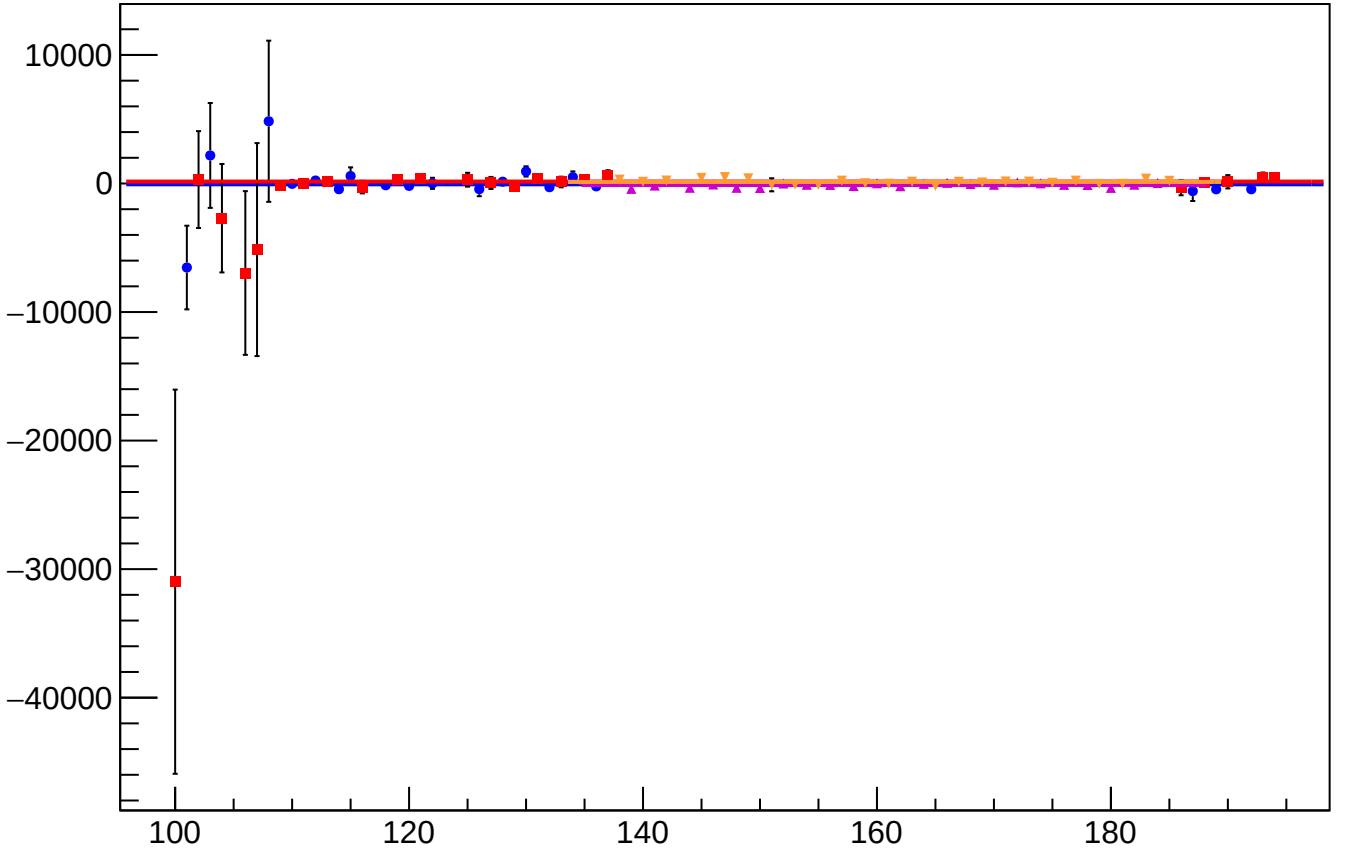
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.228+/-0.003 χ^2/NDF: 69498.0/42

All: 25.093+/-0.002 χ^2/NDF: 151685.2/88

- sign 24.967+/-0.003 χ^2/NDF: 79129.2/45

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: 152.609+/-68.715 χ^2/NDF: 17.7/22

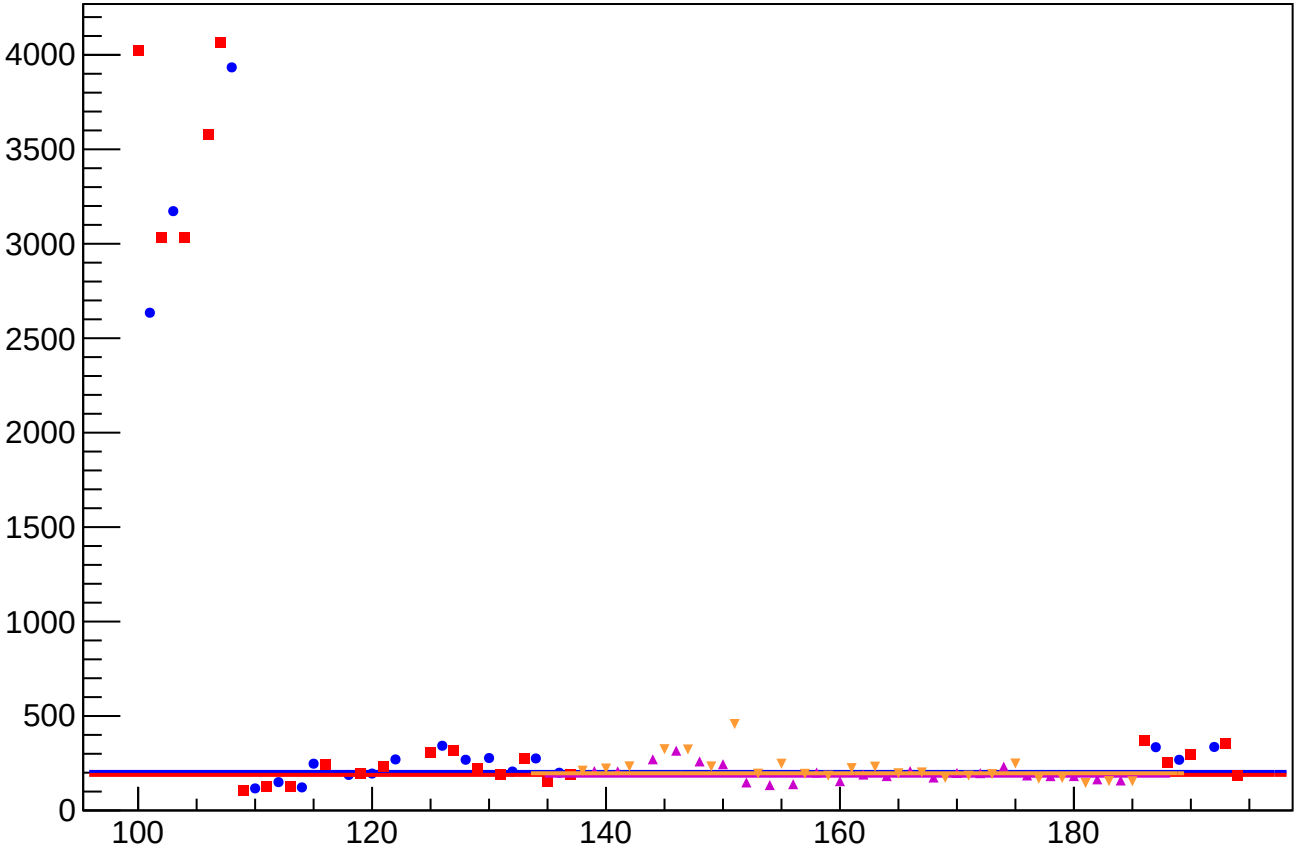
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 72.179+/-40.755 χ^2/NDF: 37.3/42

All: 13.581+/-27.604 χ^2/NDF: 78.0/88

- sign -36.086+/-37.520 χ^2/NDF: 36.9/45

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

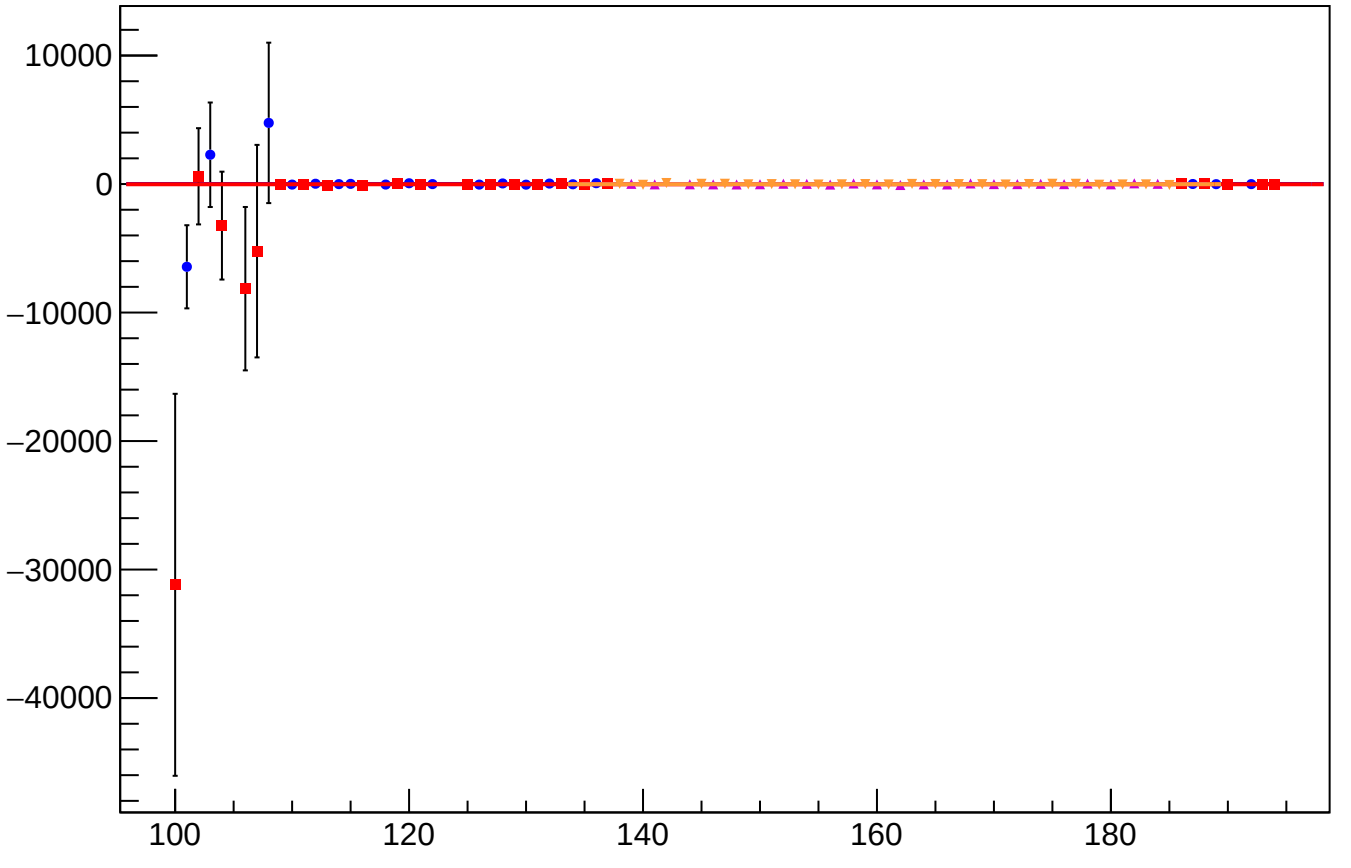
Right Out: 188.370+/-0.049 χ^2/NDF: 5106032.1/22

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 198.797+/-0.029 χ^2/NDF: 6118647.3/42

All: 191.513+/-0.020 χ^2/NDF: 12793700.0/88

- sign 185.339+/-0.027 χ^2/NDF: 6557003.5/45



Right In: 3.313+/-10.222 χ^2/NDF: 18.6/18

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -16.689+/-9.419 χ^2/NDF: 25.7/22

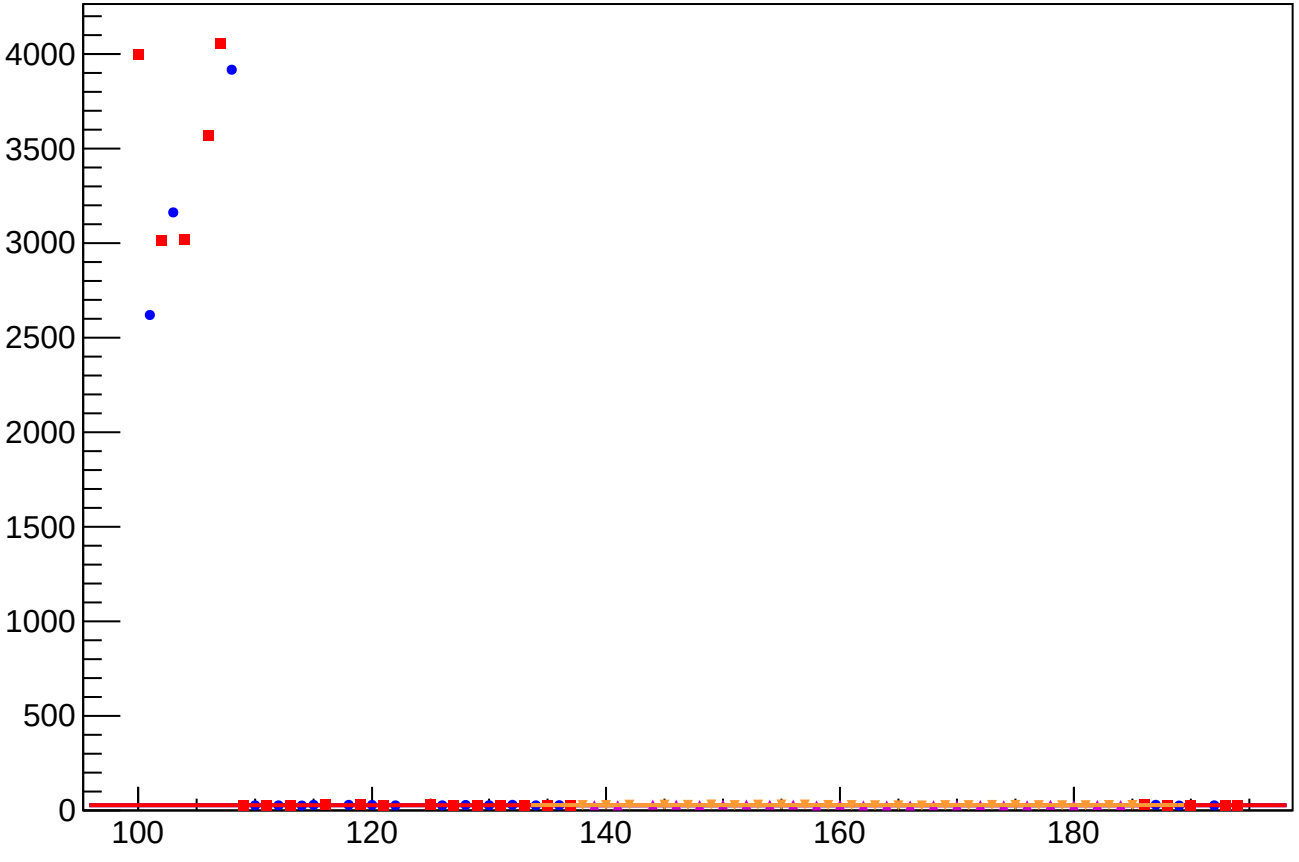
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.819+/-5.576 χ^2/NDF: 37.5/42

All: -7.088+/-3.907 χ^2/NDF: 86.9/88

- sign -7.348+/-5.477 χ^2/NDF: 49.4/45

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: 27.690+/-0.007 χ^2/NDF: 3575505.8/22

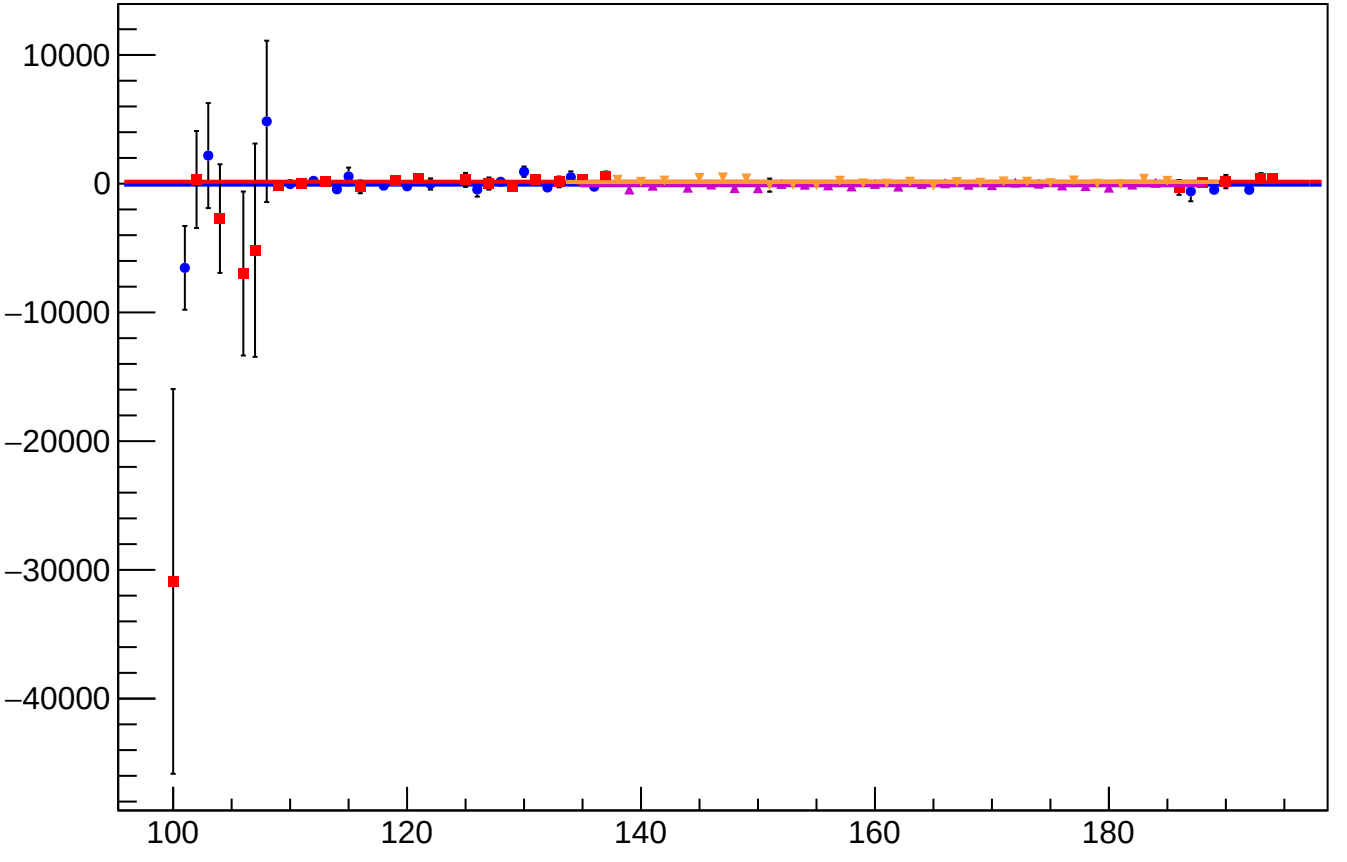
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.288+/-0.004 χ^2/NDF: 3369764.5/42

All: 28.333+/-0.003 χ^2/NDF: 7088979.7/88

\- sign 28.377+/-0.004 χ^2/NDF: 3718958.6/45

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: 155.131+/-69.132 χ^2/NDF: 16.2/22

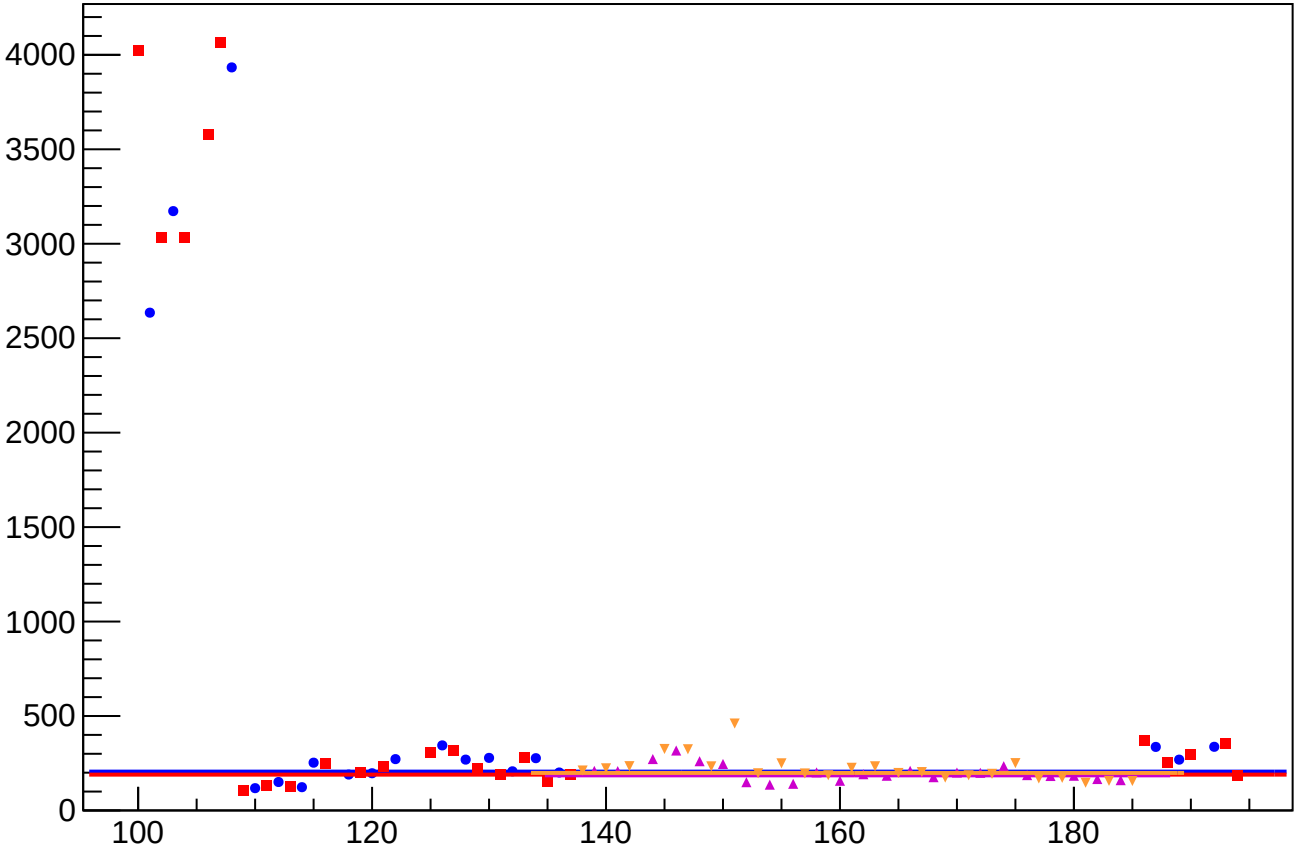
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 74.292+/-41.088 χ^2/NDF: 37.7/42

All: 12.665+/-27.831 χ^2/NDF: 77.3/88

- sign -39.579+/-37.831 χ^2/NDF: 35.5/45

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: 189.663+/-0.049 χ^2/NDF: 5084897.5/22

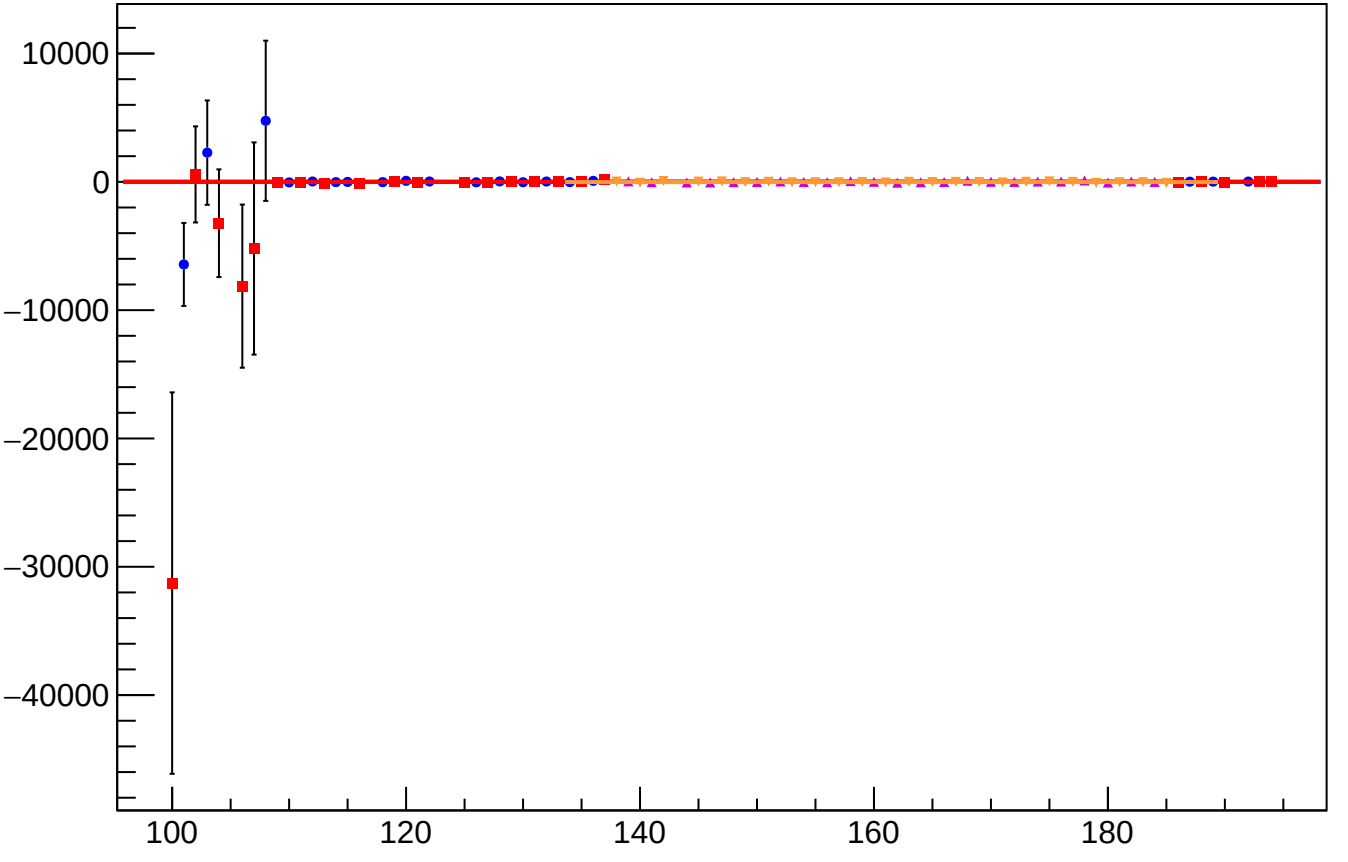
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 200.530+/-0.029 χ^2/NDF: 6076246.1/42

All: 193.211+/-0.020 χ^2/NDF: 12688137.0/88

- sign 187.007+/-0.027 χ^2/NDF: 6494637.5/45

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: -11.635+/-10.406 χ^2/NDF: 31.3/22

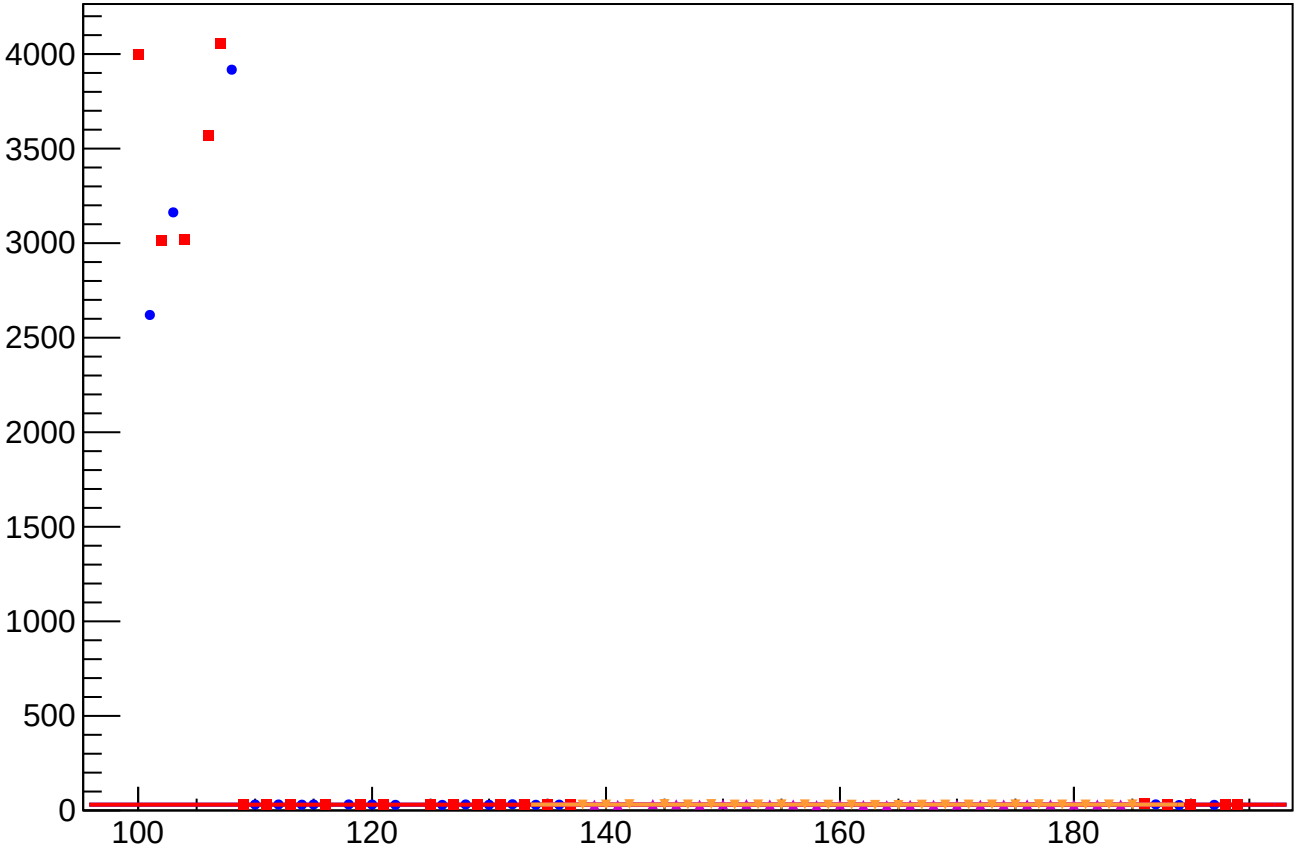
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -8.530+/-6.112 χ^2/NDF: 41.9/42

All: -5.238+/-4.283 χ^2/NDF: 110.6/88

- sign -2.063+/-6.002 χ^2/NDF: 68.1/45

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: 30.621+/-0.007 χ^2/NDF: 3551995.9/22

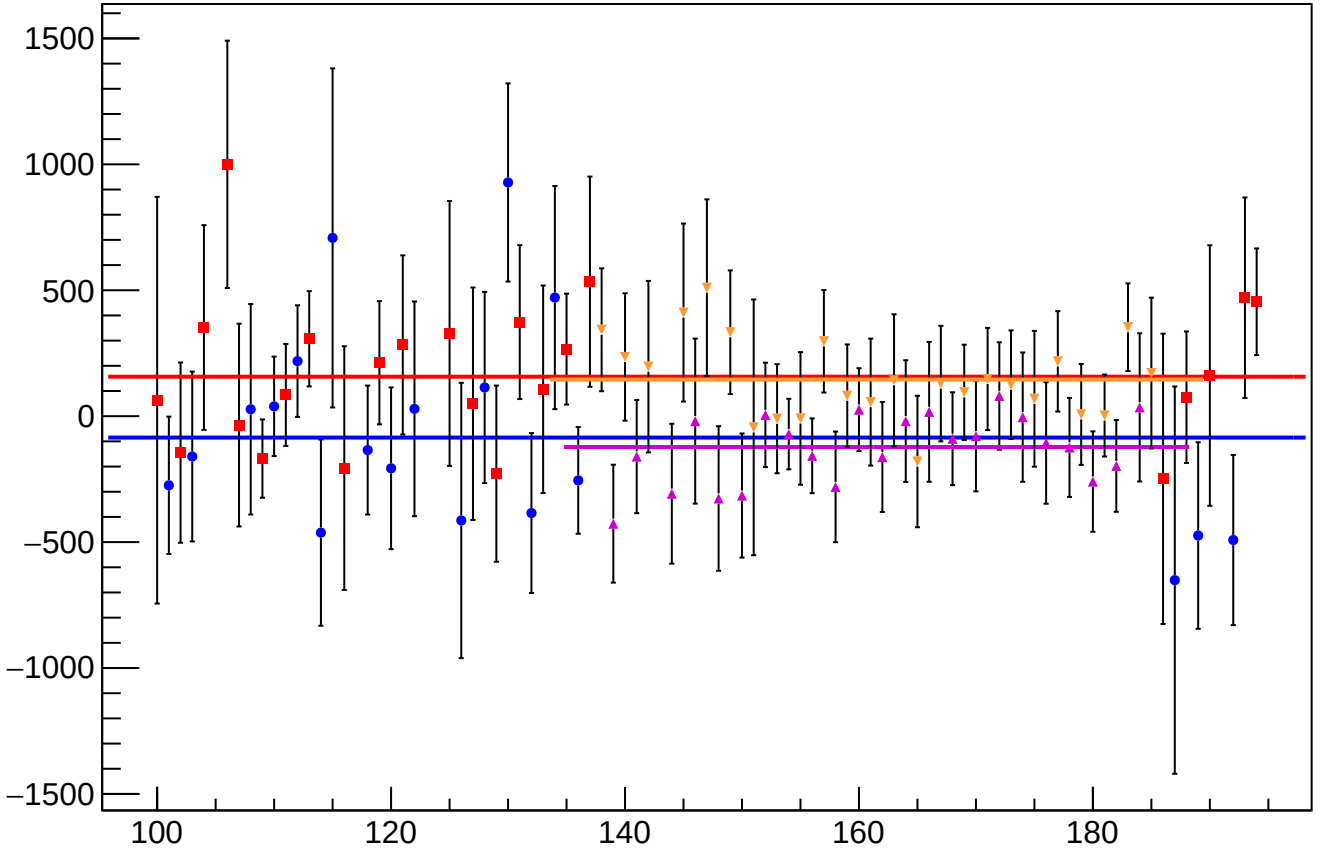
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 31.035+/-0.004 χ^2/NDF: 3313536.9/42

All: 31.082+/-0.003 χ^2/NDF: 6958076.8/88

\- sign 31.127+/-0.004 χ^2/NDF: 3644306.3/45

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -84.894+/-73.364 χ^2/NDF: 19.0/18

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 156.832+/-62.286 χ^2/NDF: 16.1/22

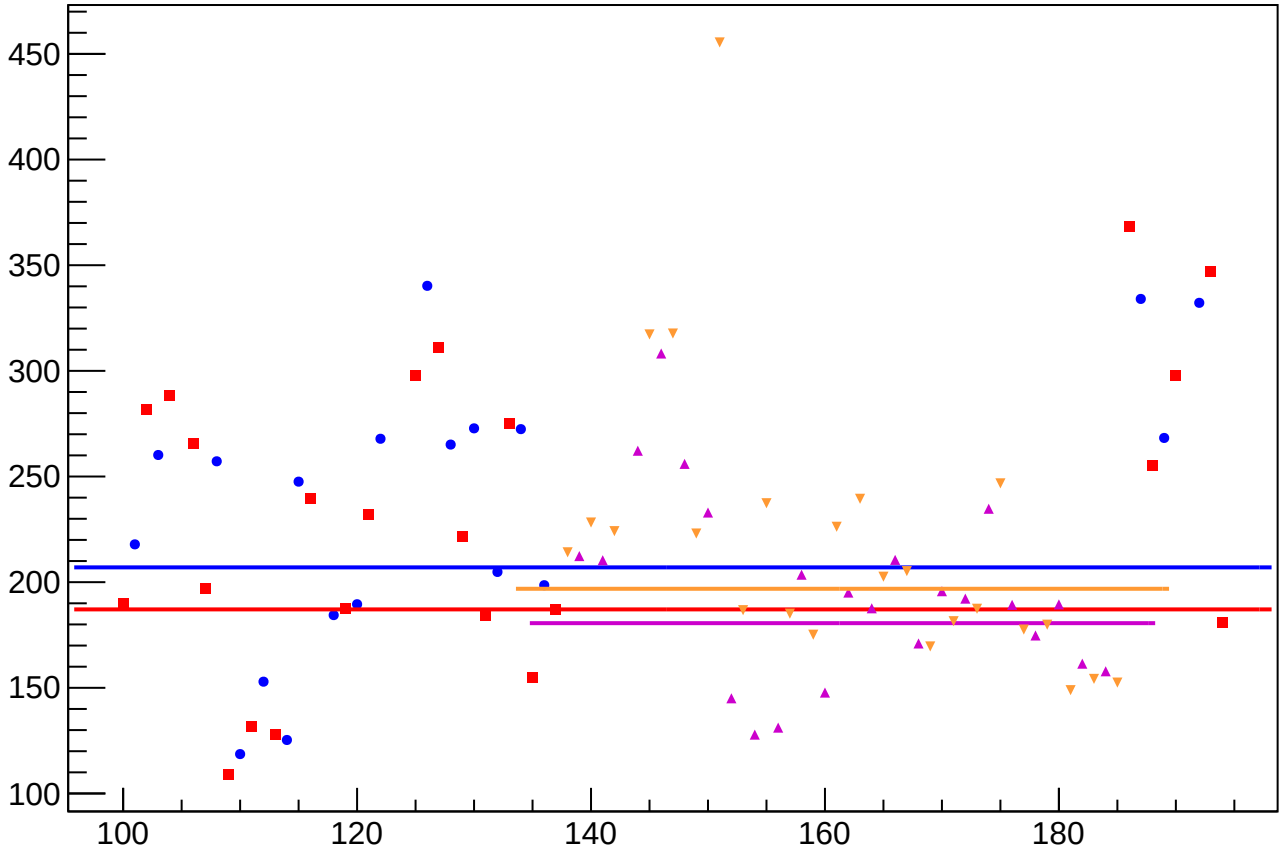
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 77.537+/-39.807 χ^2/NDF: 35.3/42

All: 18.795+/-26.693 χ^2/NDF: 76.7/88

- sign -29.199+/-35.982 χ^2/NDF: 37.4/45

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: 187.115+/-0.044 χ^2/NDF: 2360253.8/22

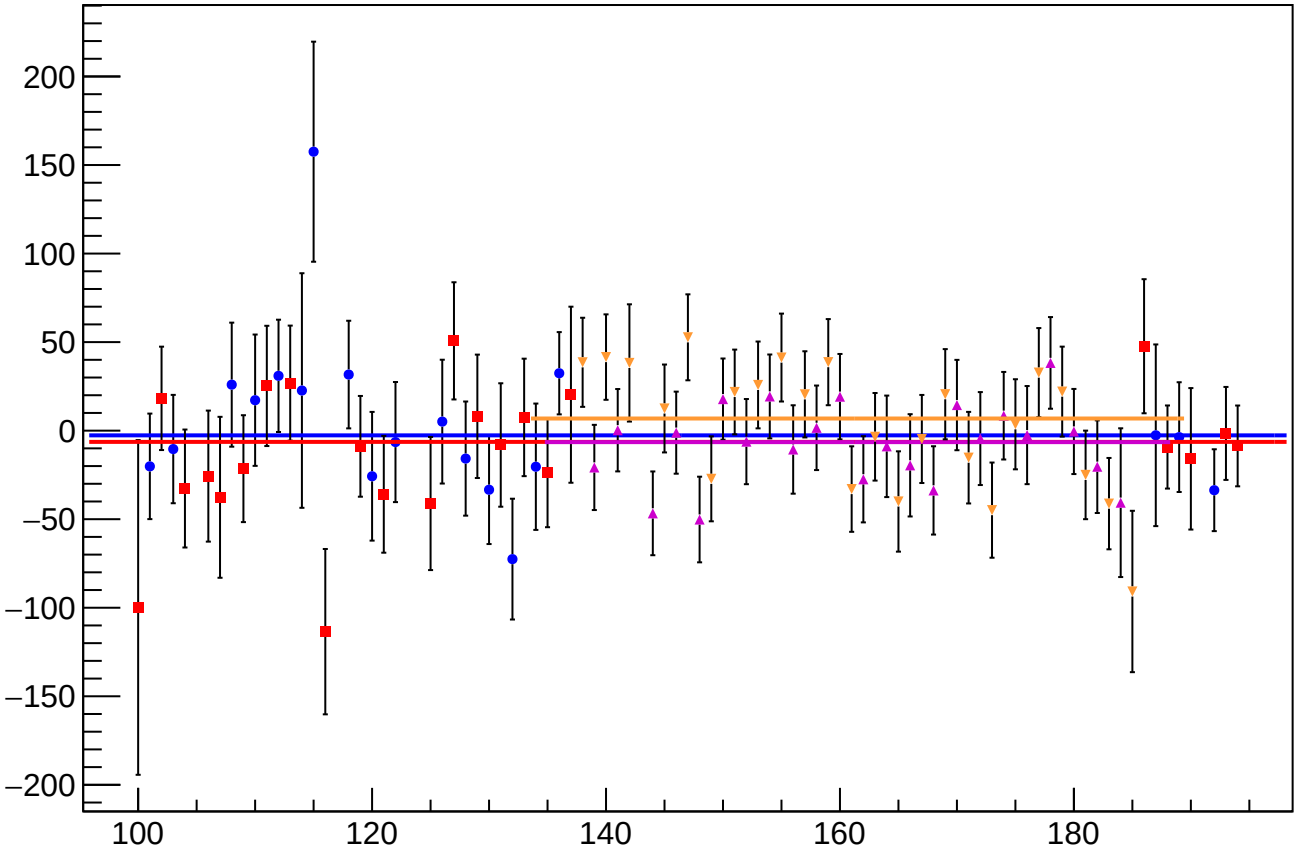
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 199.856+/-0.028 χ^2/NDF: 3173512.4/42

All: 190.456+/-0.019 χ^2/NDF: 7379063.9/88

- sign 182.775+/-0.025 χ^2/NDF: 4002901.4/45

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: -6.340+/-6.888 χ^2/NDF: 18.2/22

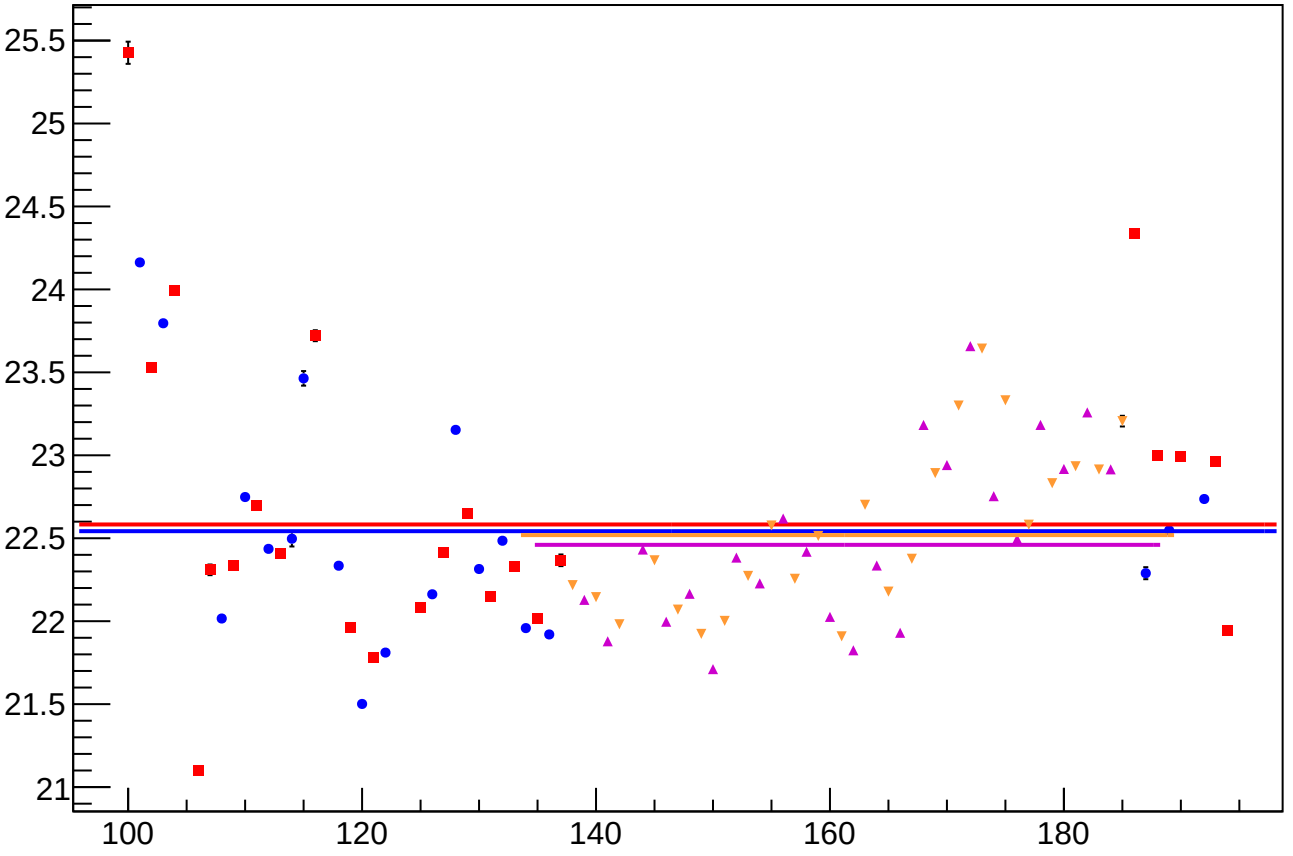
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 3.770+/-4.298 χ^2/NDF: 58.6/42

All: -1.479+/-2.994 χ^2/NDF: 97.2/88

- sign -6.430+/-4.174 χ^2/NDF: 35.7/45

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: 22.583+/-0.005 χ^2/NDF: 22996.0/22

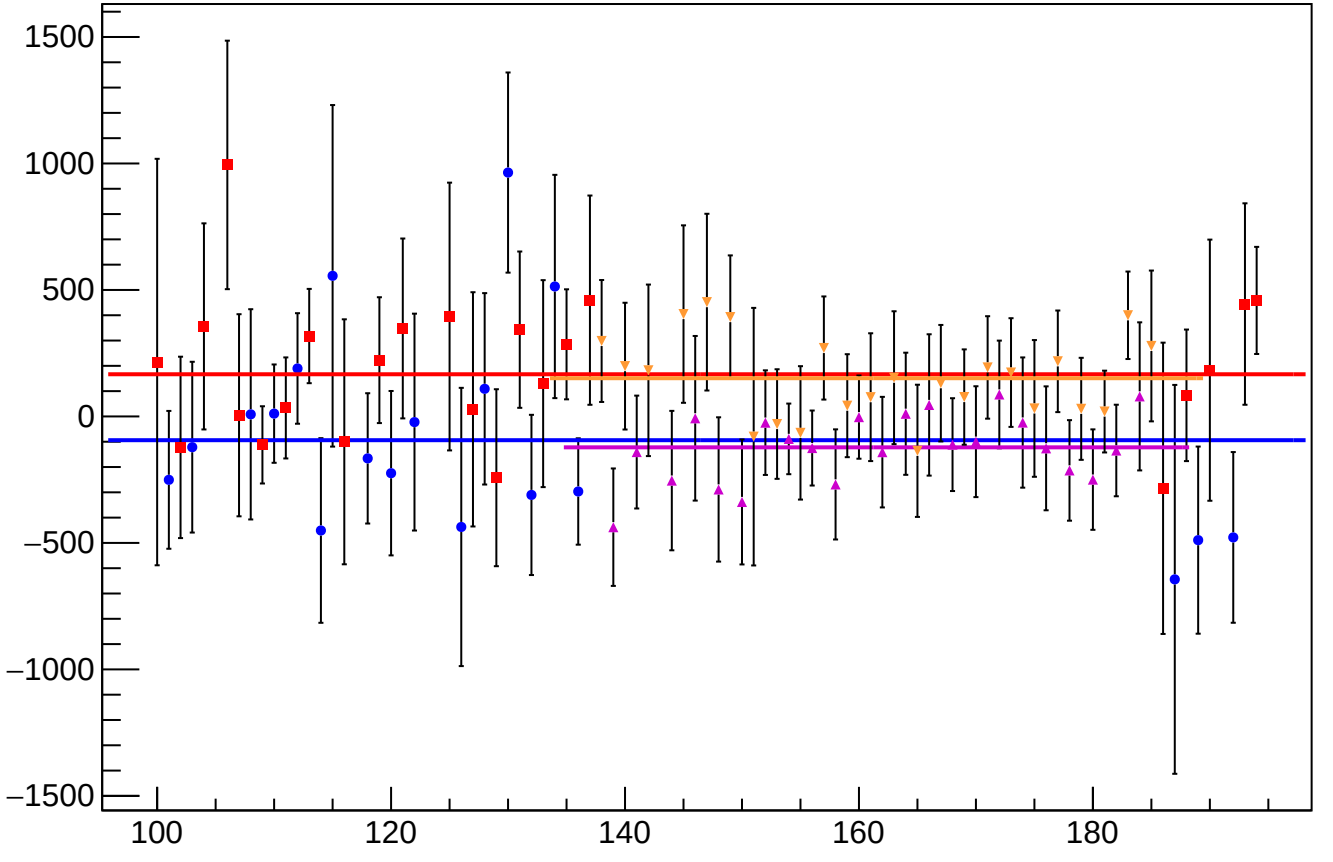
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.527+/-0.003 χ^2/NDF: 32159.3/42

All: 22.516+/-0.002 χ^2/NDF: 74700.5/88

- sign 22.505+/-0.003 χ^2/NDF: 42515.9/45

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: 166.737+/-61.911 χ^2/NDF: 14.8/22

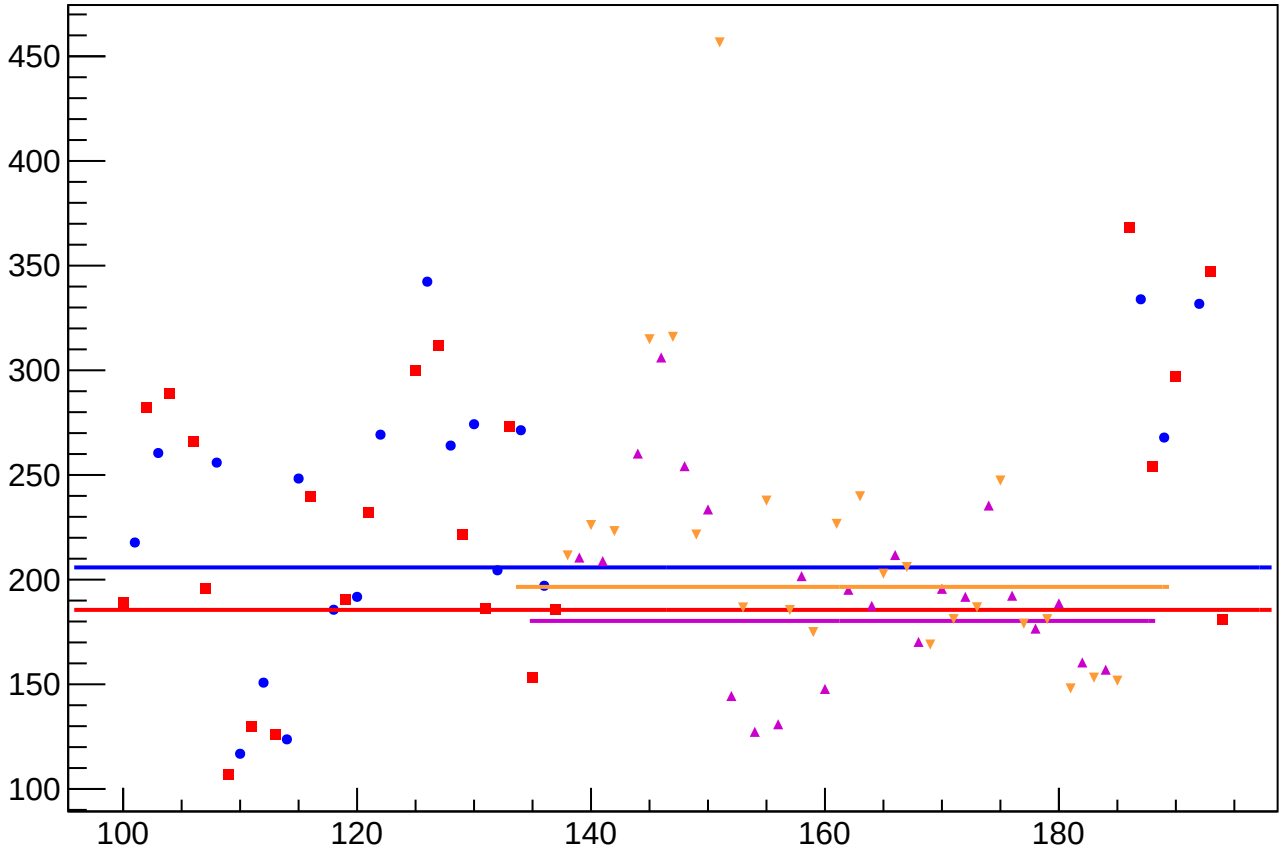
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 78.705+/-39.715 χ^2/NDF: 36.5/42

All: 21.481+/-26.619 χ^2/NDF: 77.0/88

- sign -25.195+/-35.868 χ^2/NDF: 36.7/45

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: 185.549+/-0.044 χ^2/NDF: 2444708.4/22

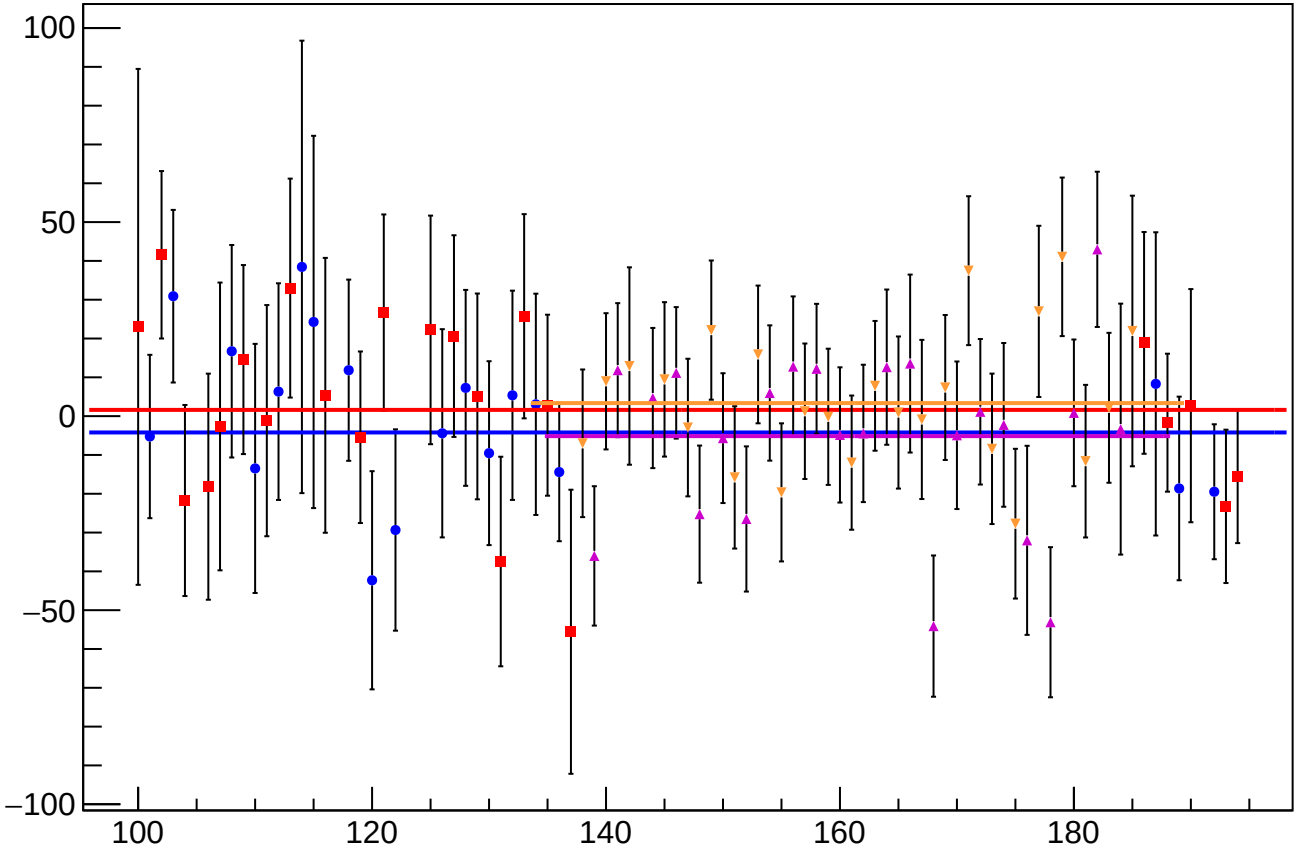
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

\+ sign 199.283+/-0.028 χ^2/NDF: 3219717.9/42

All: 189.789+/-0.019 χ^2/NDF: 7506265.8/88

\- sign 182.045+/-0.025 χ^2/NDF: 4079037.5/45

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: 1.610+/-5.322 χ^2/NDF: 16.9/22

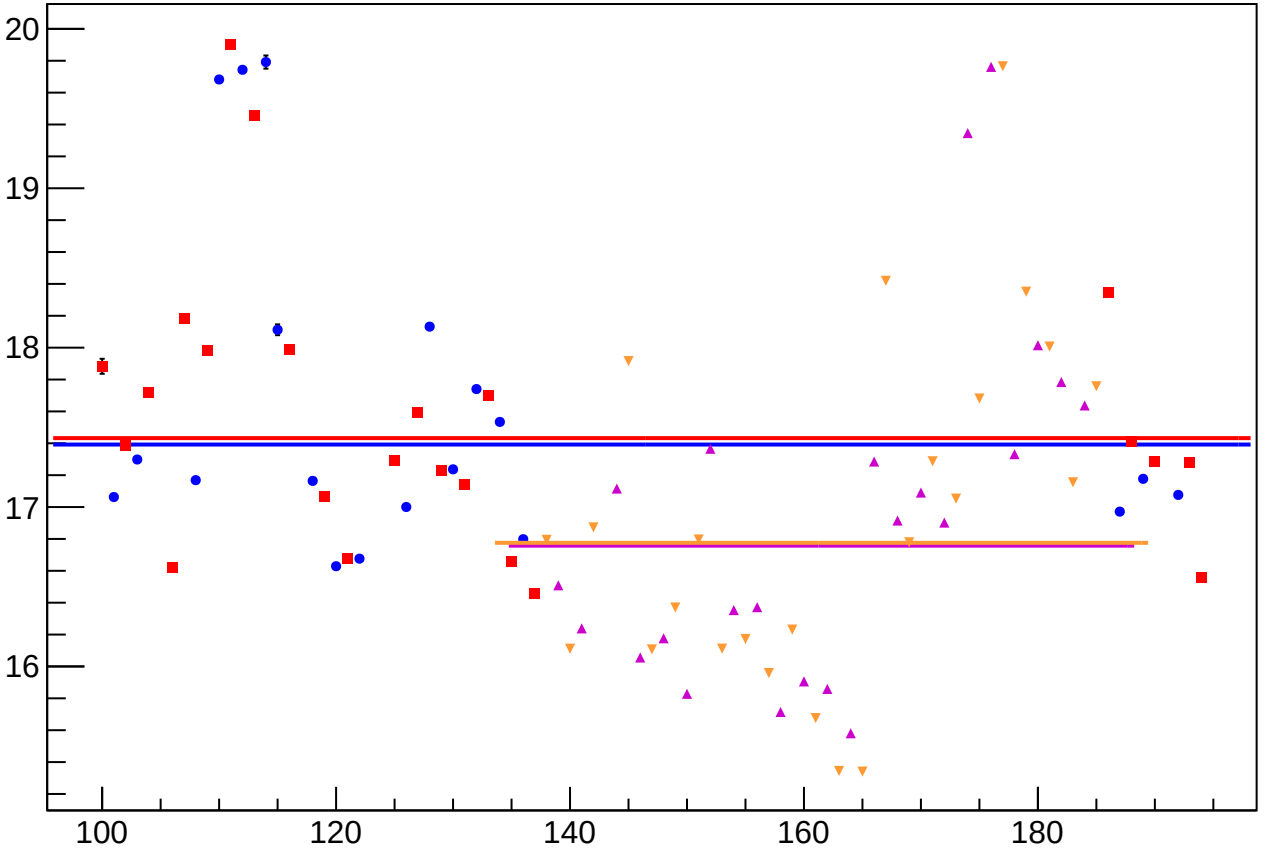
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 1.016+/-3.244 χ^2/NDF: 28.3/42

All: -0.928+/-2.263 χ^2/NDF: 79.3/88

- sign -2.770+/-3.158 χ^2/NDF: 50.3/45

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: 17.432+/-0.004 χ^2/NDF: 42348.7/22

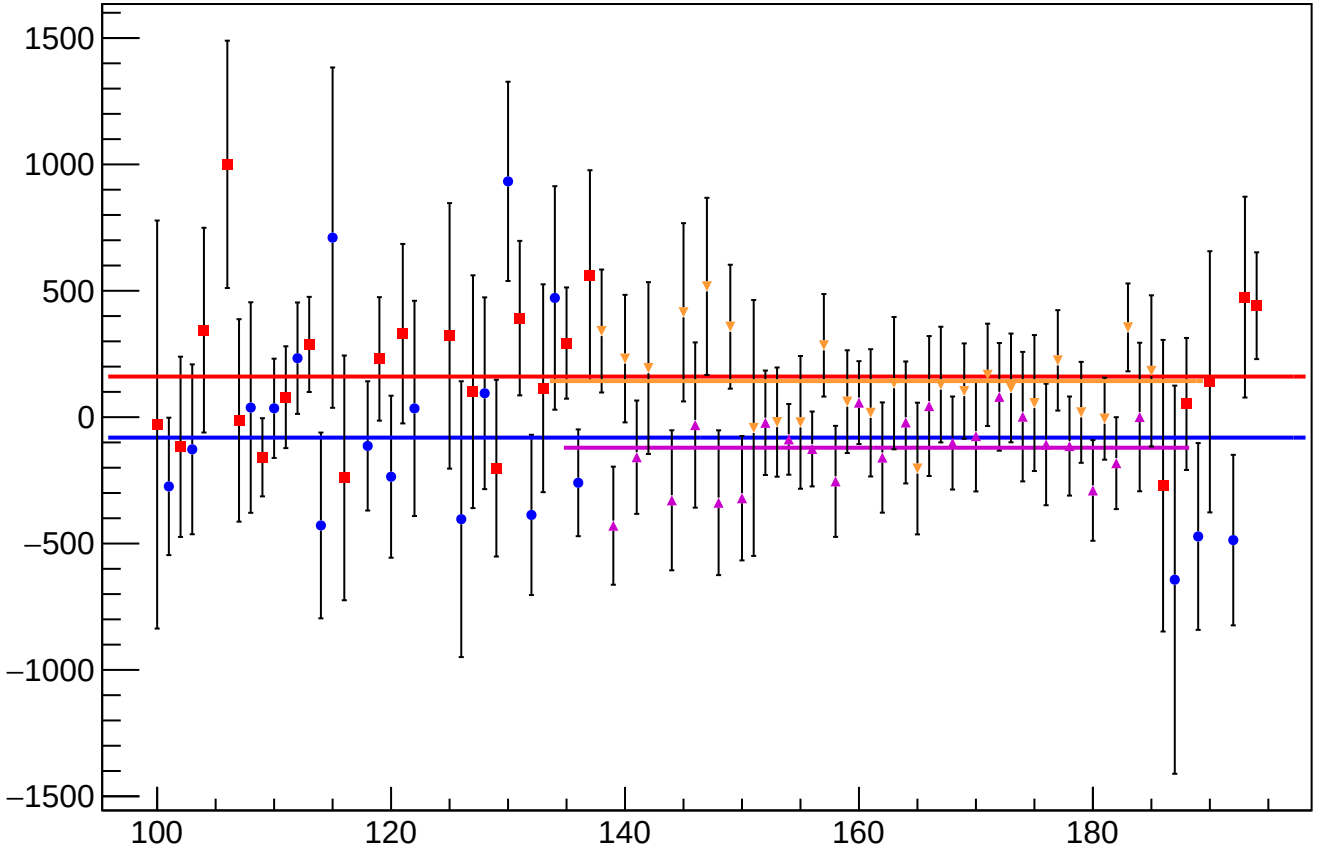
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.967+/-0.002 χ^2/NDF: 189534.4/42

All: 16.981+/-0.002 χ^2/NDF: 376088.1/88

\- sign 16.995+/-0.002 χ^2/NDF: 186473.2/45

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: 160.669+/-62.109 χ^2/NDF: 16.1/22

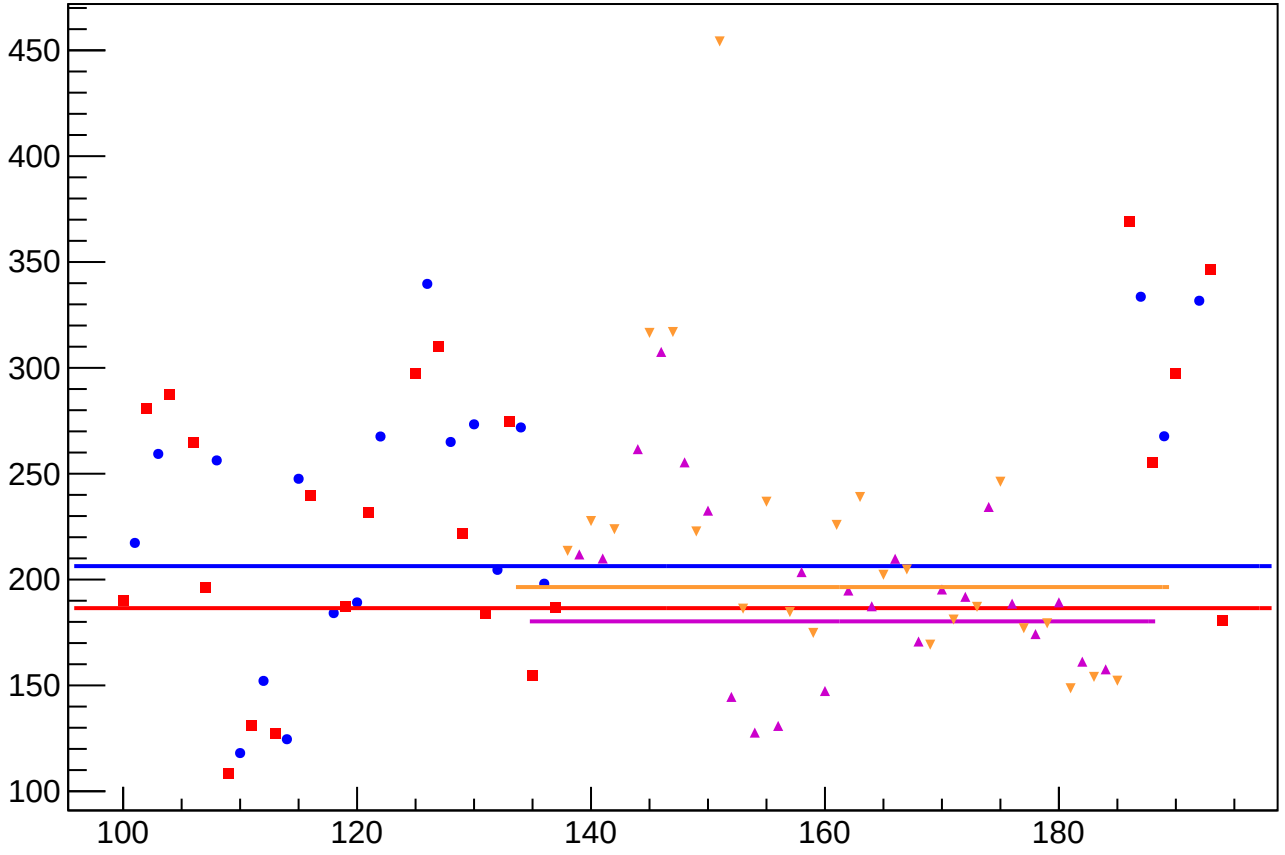
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 76.807+/-39.714 χ^2/NDF: 35.8/42

All: 19.782+/-26.632 χ^2/NDF: 77.5/88

- sign -26.817+/-35.900 χ^2/NDF: 38.0/45

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: 186.500+/-0.044 χ^2/NDF: 2377545.3/22

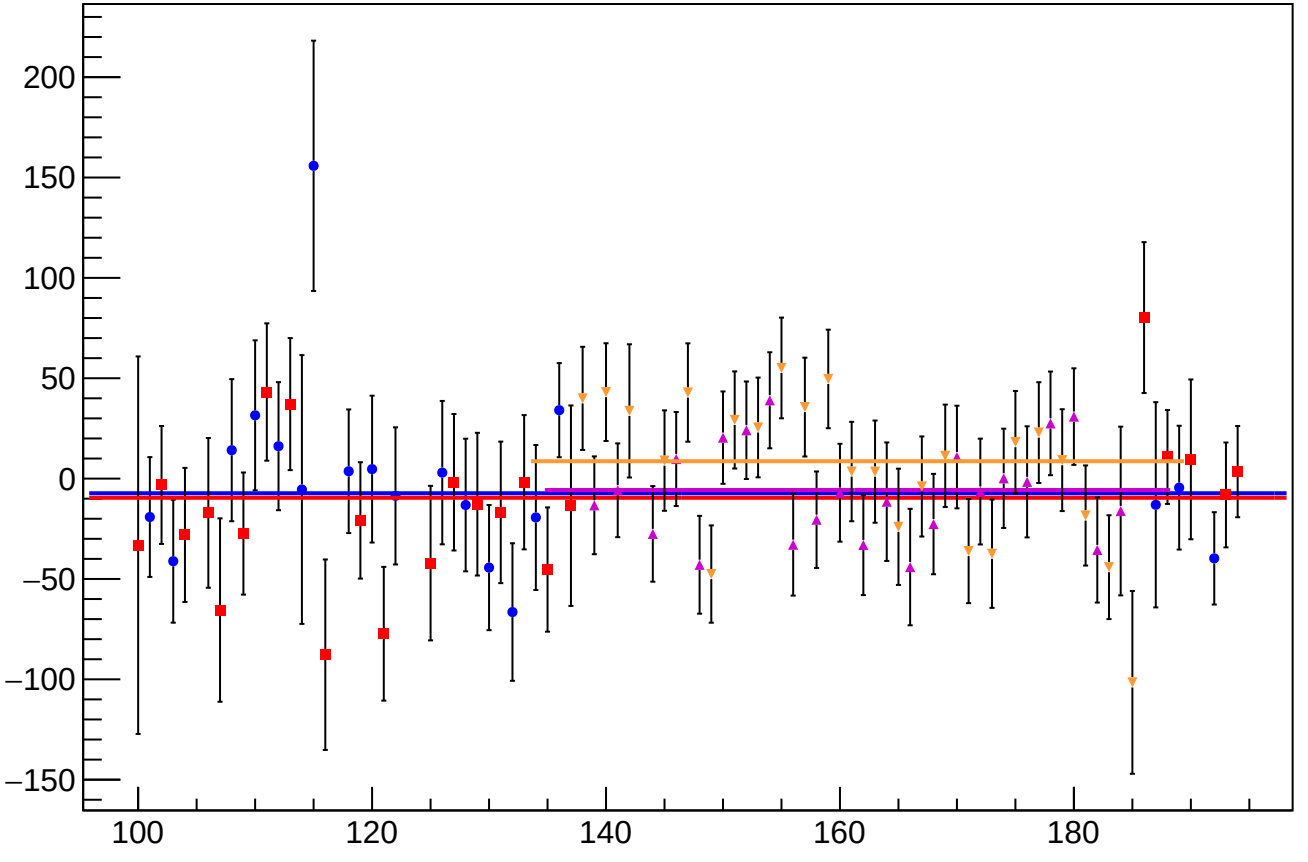
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 199.368+/-0.028 χ^2/NDF: 3183436.2/42

All: 189.996+/-0.019 χ^2/NDF: 7404678.4/88

- sign 182.337+/-0.025 χ^2/NDF: 4018818.9/45

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: -9.549+/-6.933 χ^2/NDF: 22.9/22

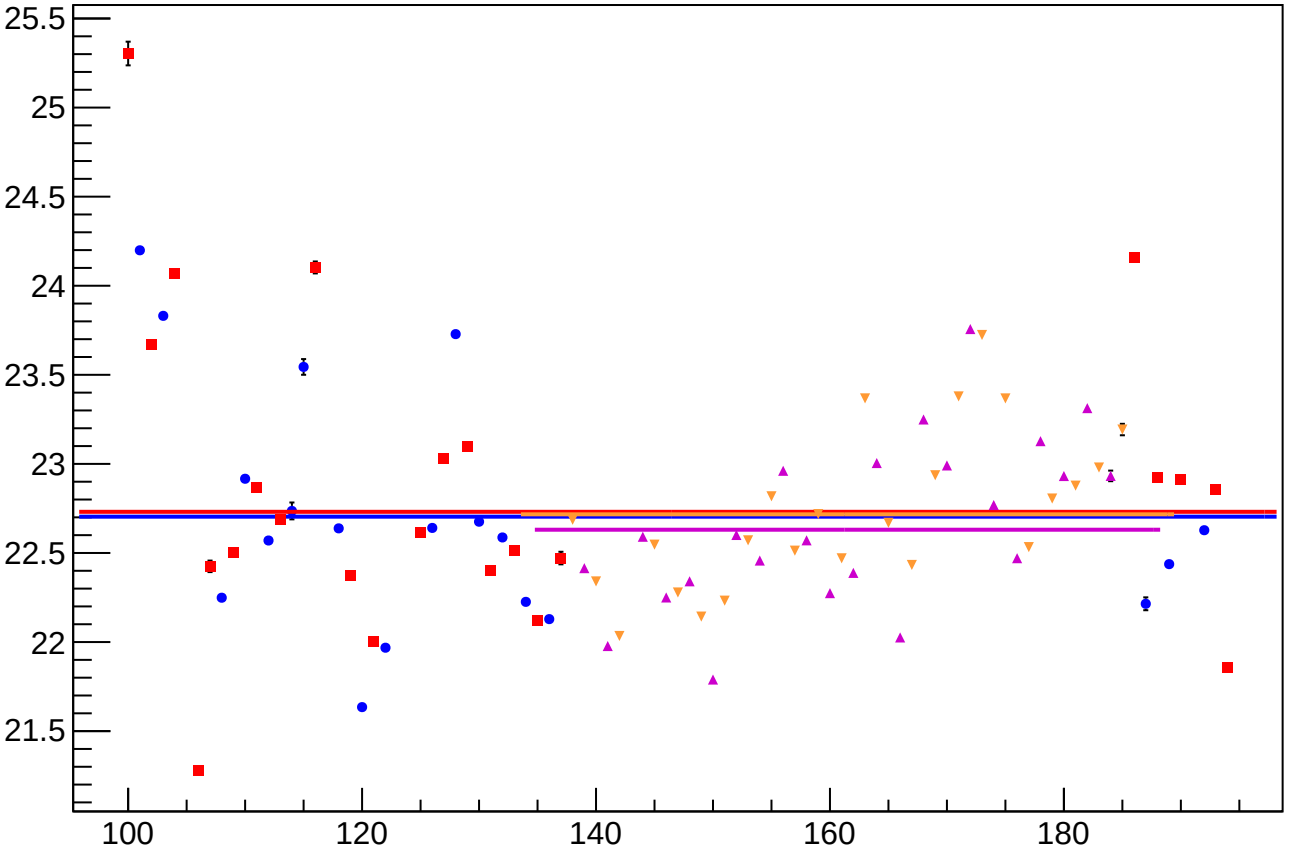
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 3.474+/-4.333 χ^2/NDF: 62.3/42

All: -1.970+/-3.017 χ^2/NDF: 109.3/88

- sign -7.095+/-4.204 χ^2/NDF: 43.9/45

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: 22.731+/-0.005 χ^2/NDF: 20453.7/22

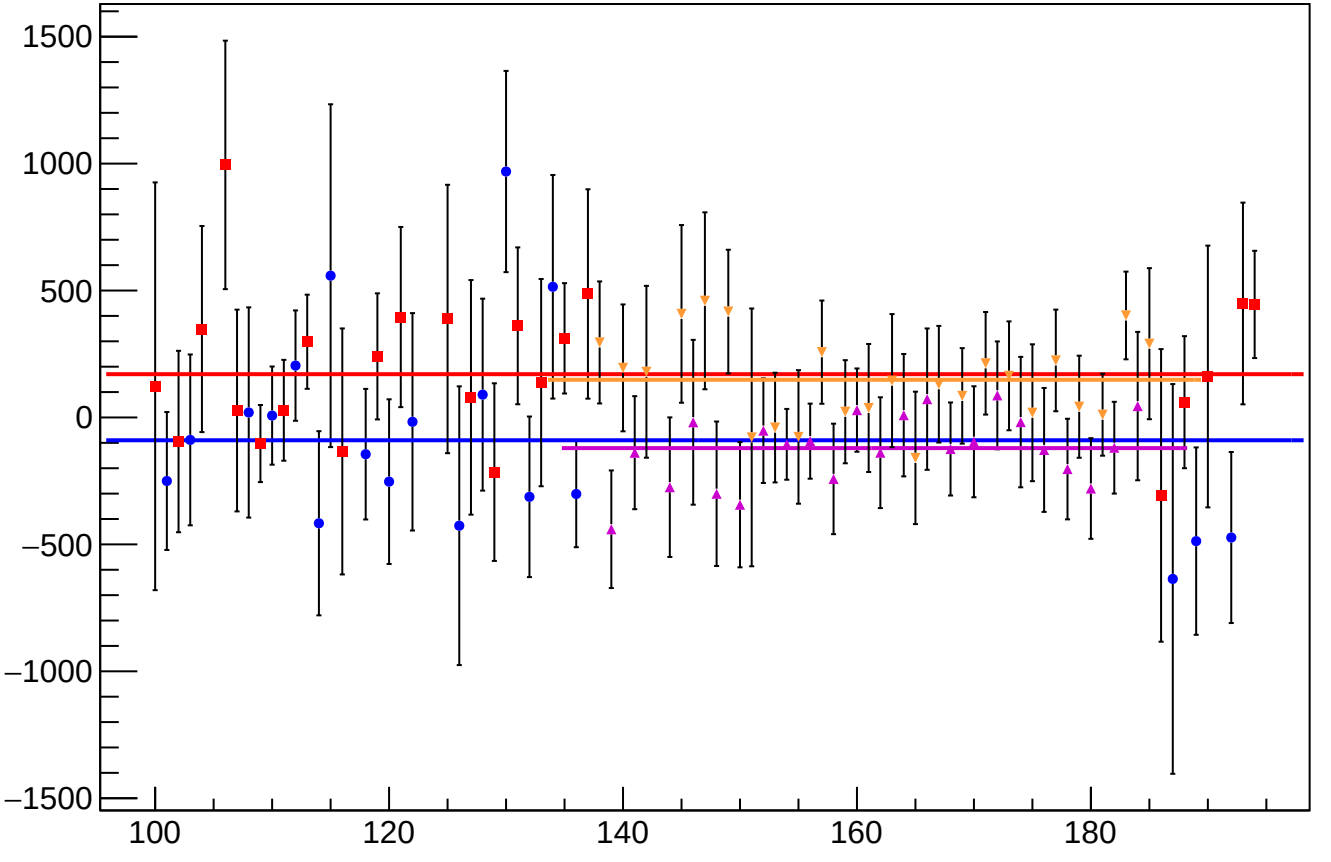
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.713+/-0.003 χ^2/NDF: 27211.9/42

All: 22.689+/-0.002 χ^2/NDF: 63435.0/88

- sign 22.667+/-0.003 χ^2/NDF: 36111.0/45

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: 170.517+/-61.731 χ^2/NDF: 14.7/22

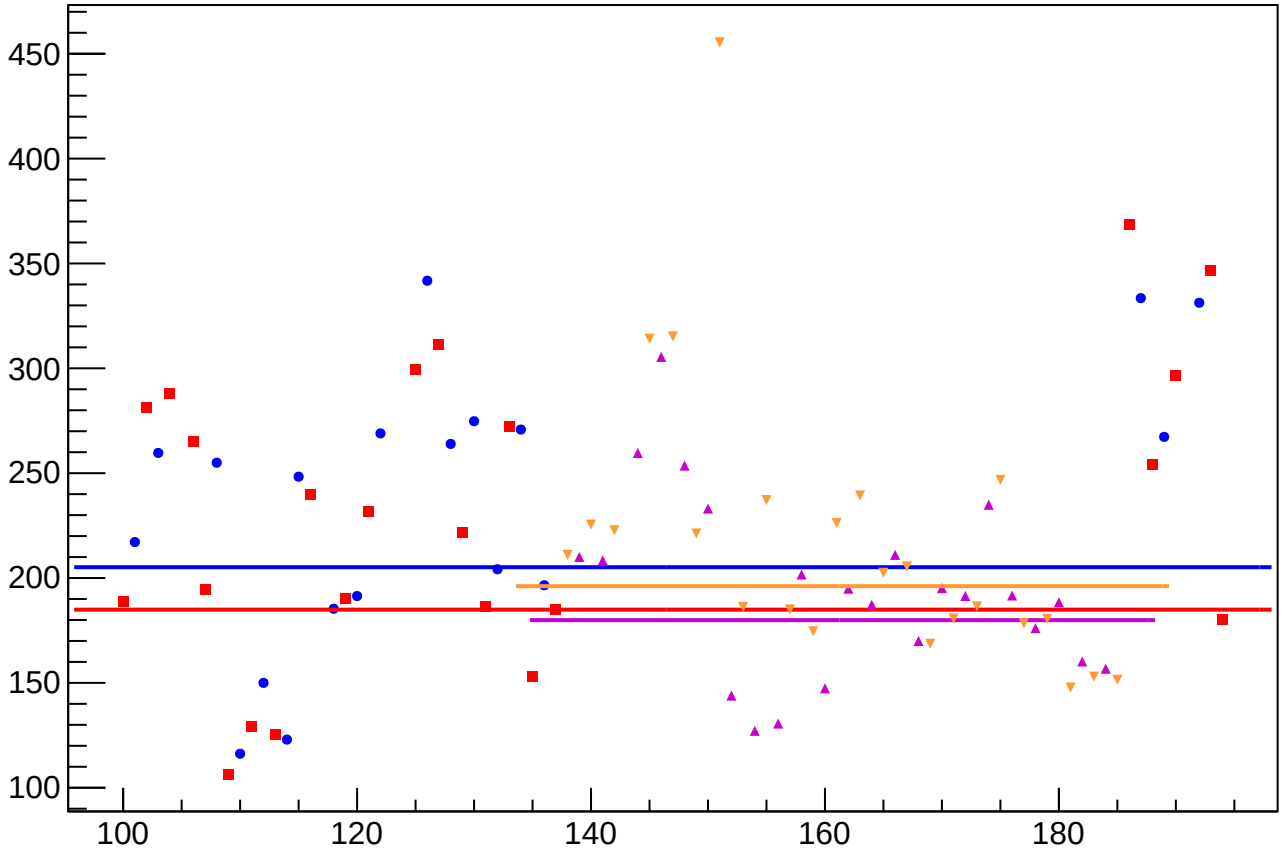
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 77.952+/-39.621 χ^2/NDF: 37.1/42

All: 22.429+/-26.557 χ^2/NDF: 78.0/88

- sign -22.868+/-35.787 χ^2/NDF: 37.4/45

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: 184.922+/-0.044 χ^2/NDF: 2463015.9/22

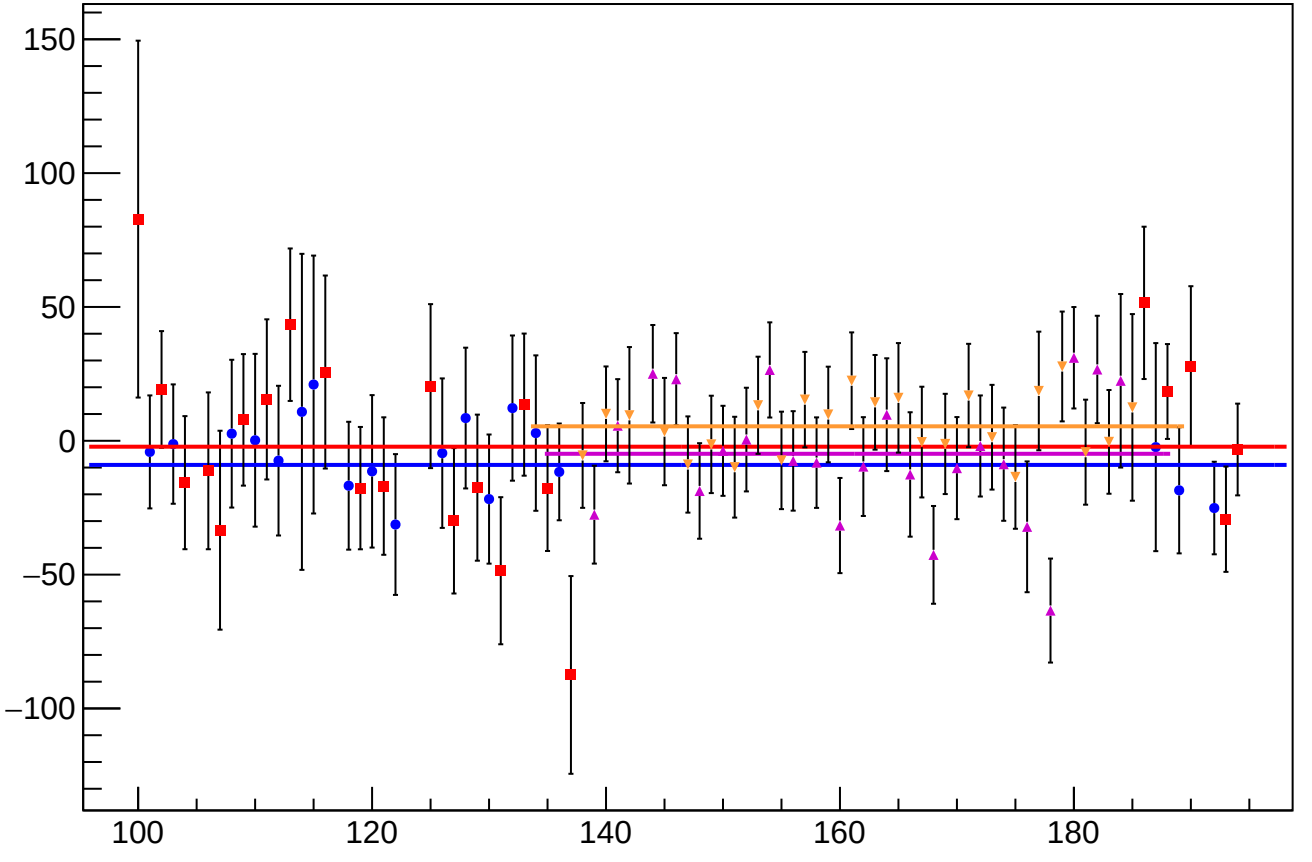
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 198.792+/-0.028 χ^2/NDF: 3230351.2/42

All: 189.326+/-0.019 χ^2/NDF: 7533510.0/88

- sign 181.603+/-0.025 χ^2/NDF: 4095865.3/45

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: -2.208+/-5.374 χ^2/NDF: 26.8/22

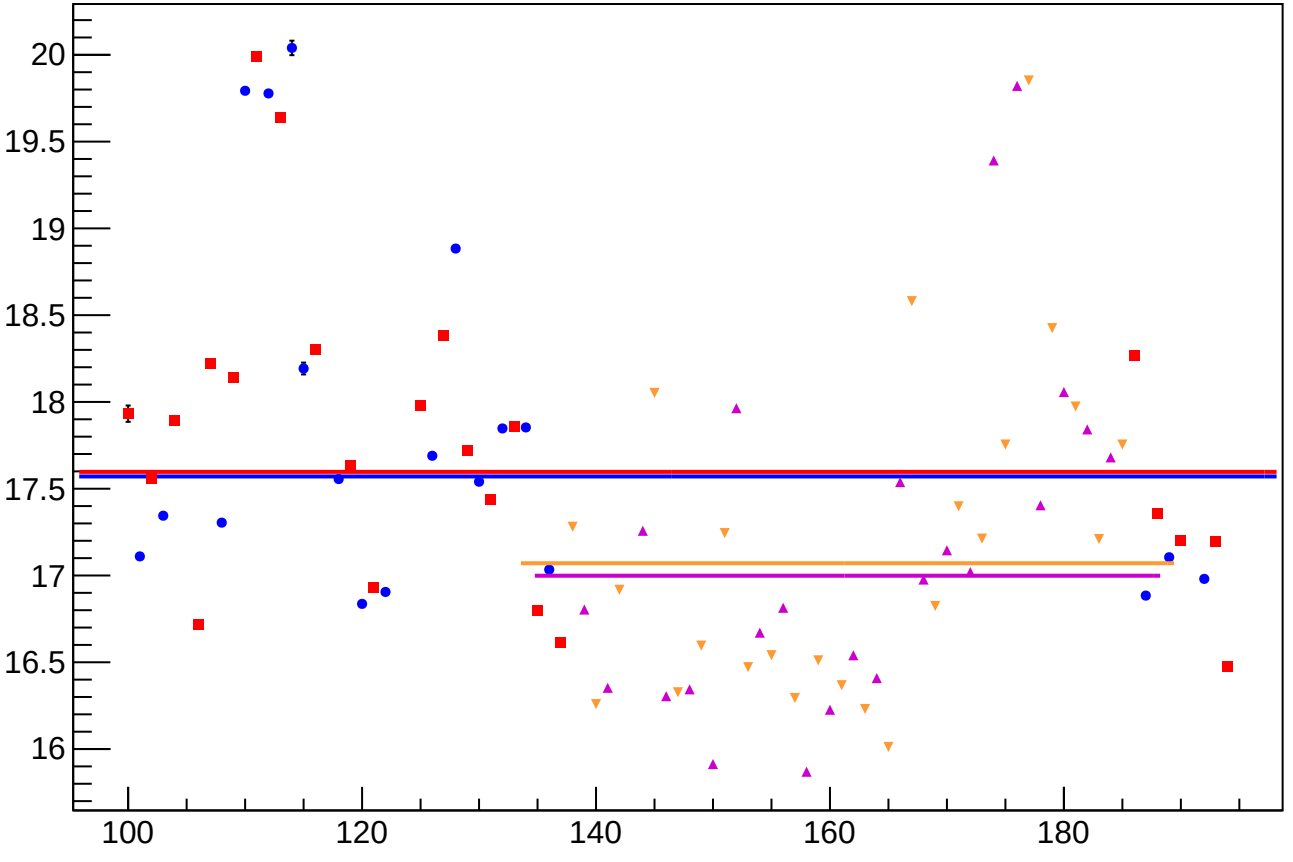
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.899+/-3.293 χ^2/NDF: 16.3/42

All: -1.580+/-2.294 χ^2/NDF: 79.9/88

- sign -3.920+/-3.199 χ^2/NDF: 62.5/45

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: 17.597+/-0.004 χ^2/NDF: 46072.2/22

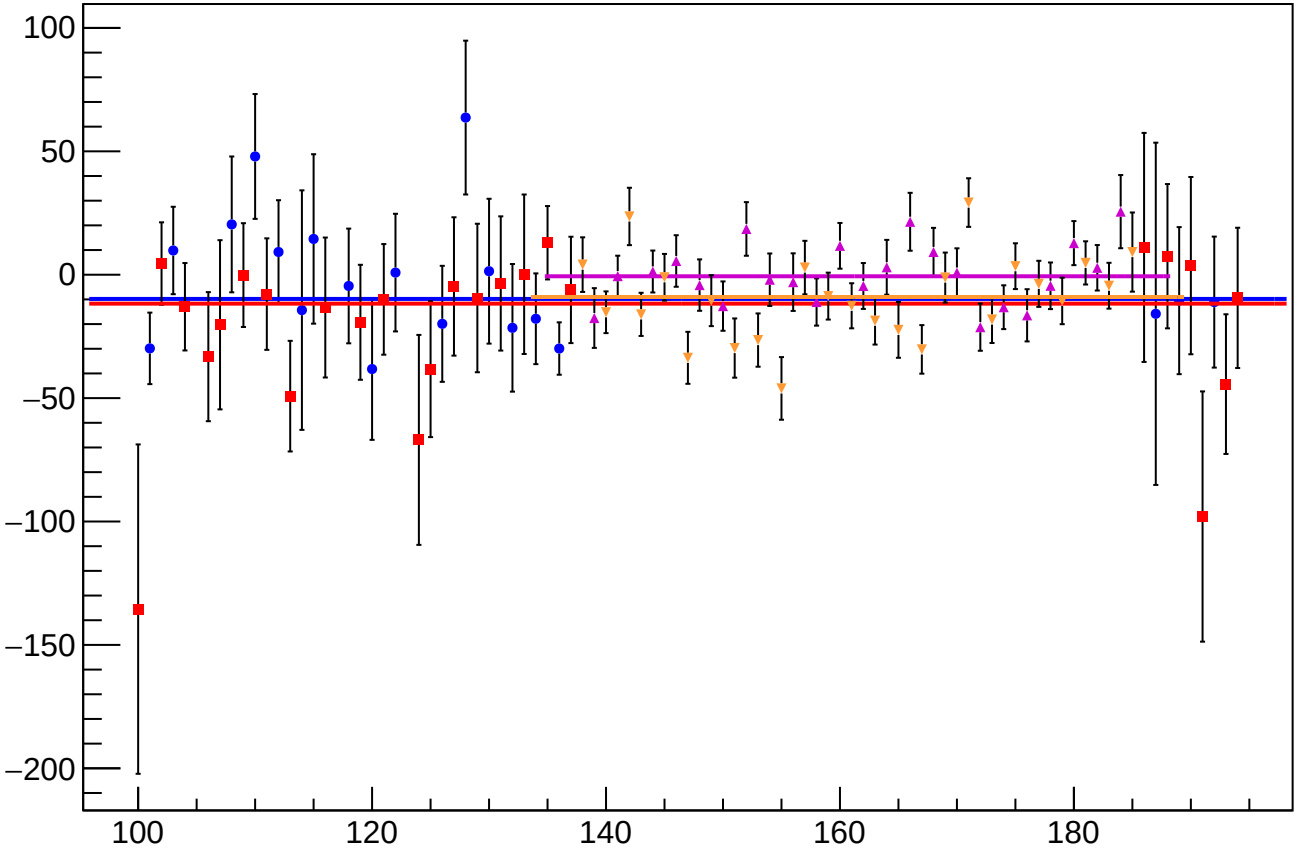
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.227+/-0.002 χ^2/NDF: 146863.1/42

All: 17.219+/-0.002 χ^2/NDF: 312995.0/88

\- sign 17.211+/-0.002 χ^2/NDF: 166106.8/45

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: -11.718+/-5.056 χ^2/NDF: 19.2/24

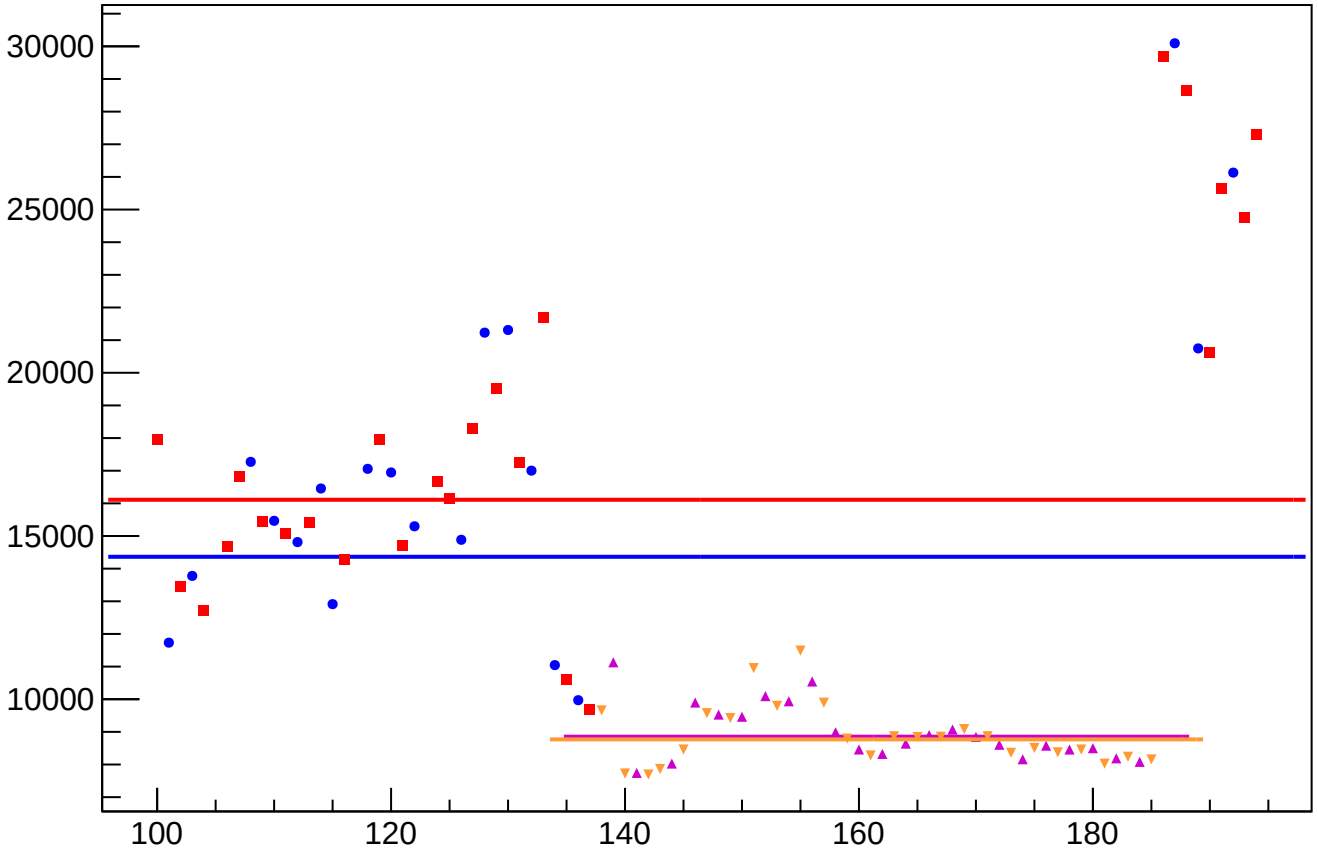
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.134+/-1.864 χ^2/NDF: 84.0/43

All: -5.790+/-1.339 χ^2/NDF: 143.5/91

- sign -2.232+/-1.923 χ^2/NDF: 52.8/47

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: 16110.392+/-3.575 χ^2/NDF: 1857964.0/24

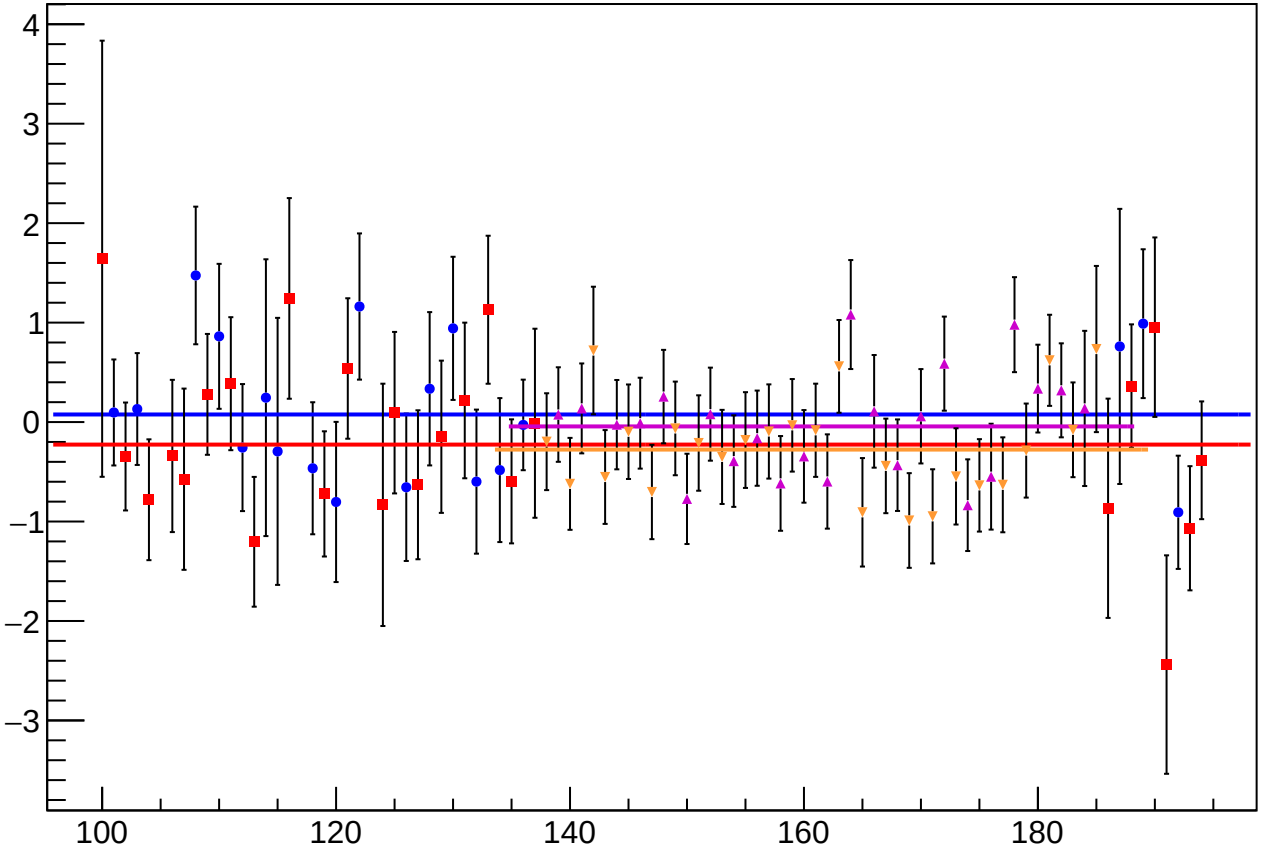
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9534.256+/-1.318 χ^2/NDF: 3843262.2/43

All: 9712.832+/-0.947 χ^2/NDF: 9564168.1/91

- sign 9902.810+/-1.360 χ^2/NDF: 5683037.1/47

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.076+/-0.159 χ^2/NDF: 18.4/18

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.226+/-0.148 χ^2/NDF: 23.1/24

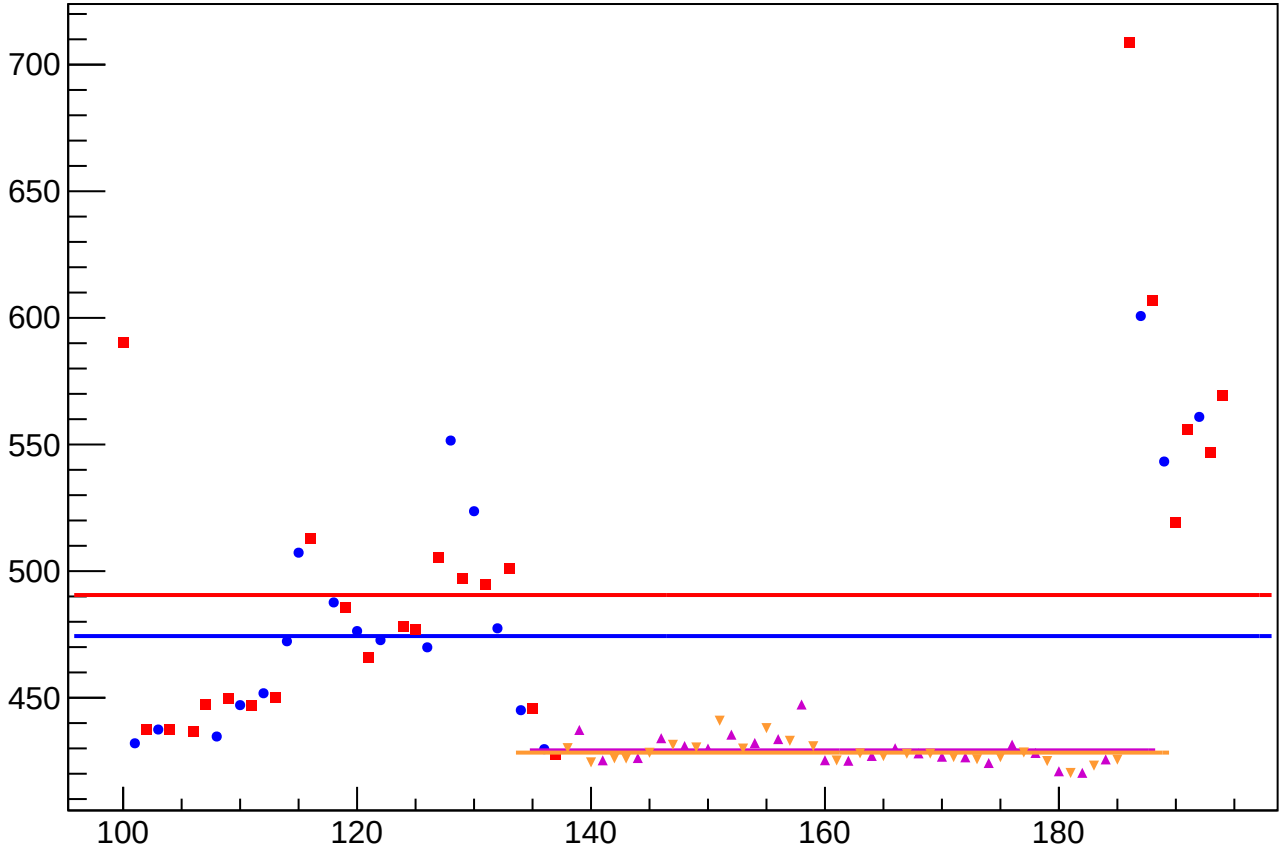
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.181+/-0.083 χ^2/NDF: 43.0/43

All: -0.141+/-0.059 χ^2/NDF: 91.5/91

- sign -0.101+/-0.083 χ^2/NDF: 48.0/47

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: 490.565+/-0.105 χ^2/NDF: 312295.0/24

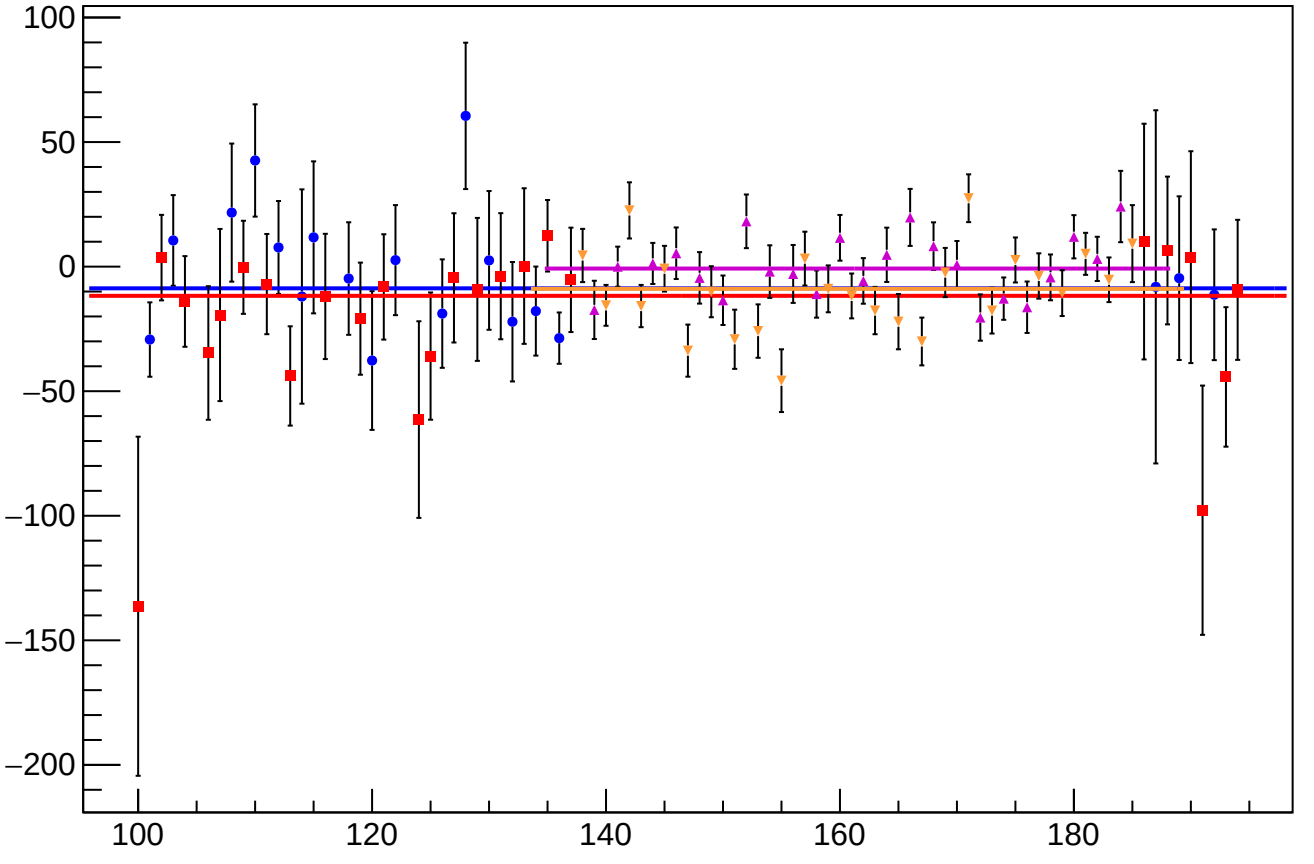
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 440.825+/-0.059 χ^2/NDF: 292440.5/43

All: 444.686+/-0.042 χ^2/NDF: 855907.0/91

- sign 448.538+/-0.059 χ^2/NDF: 554833.9/47

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: -11.720+/-4.869 χ^2/NDF: 18.9/24

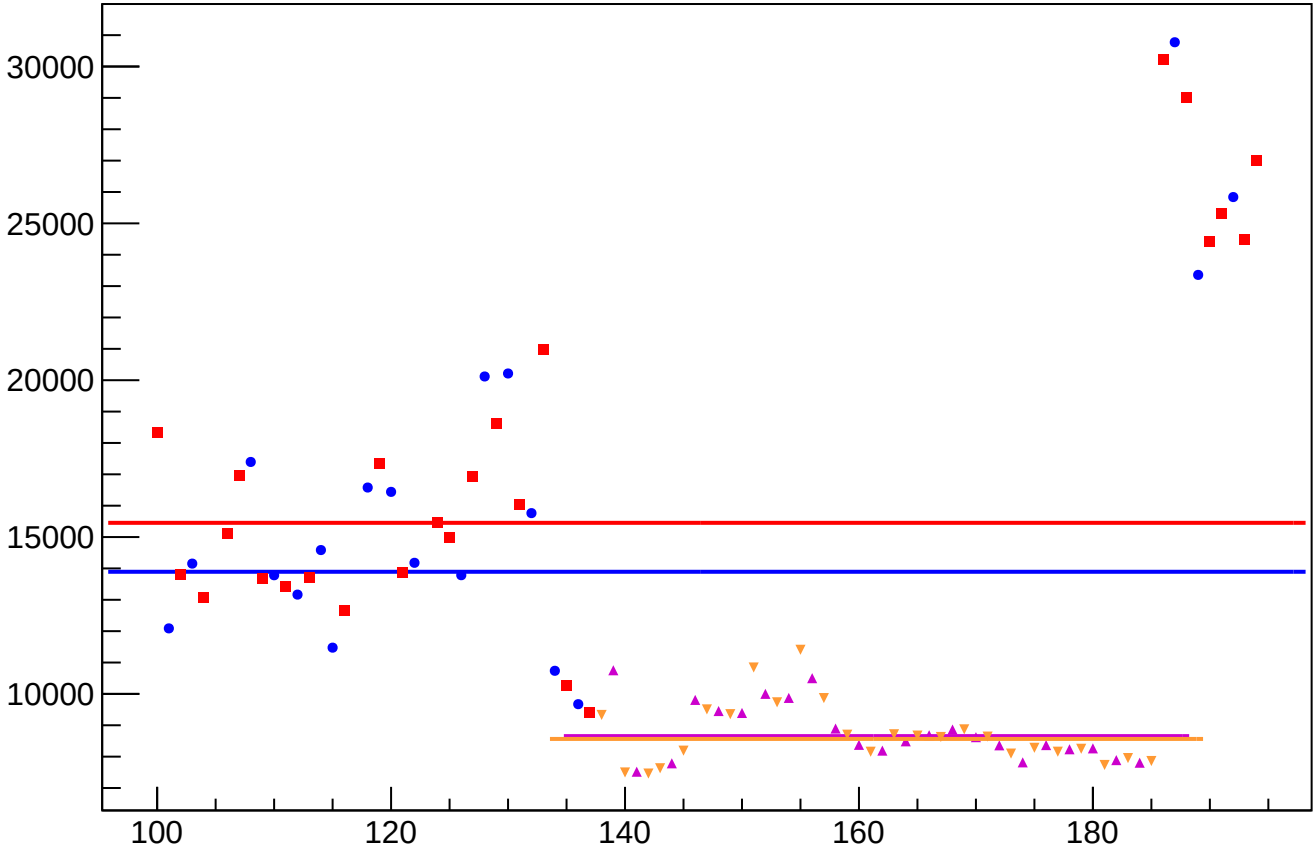
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -8.876+/-1.819 χ^2/NDF: 83.9/43

All: -5.738+/-1.306 χ^2/NDF: 142.5/91

- sign -2.399+/-1.877 χ^2/NDF: 52.5/47

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13893.328+/-3.450 χ^2/NDF: 1420531.7/18

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 15453.484+/-3.443 χ^2/NDF: 2013576.5/24

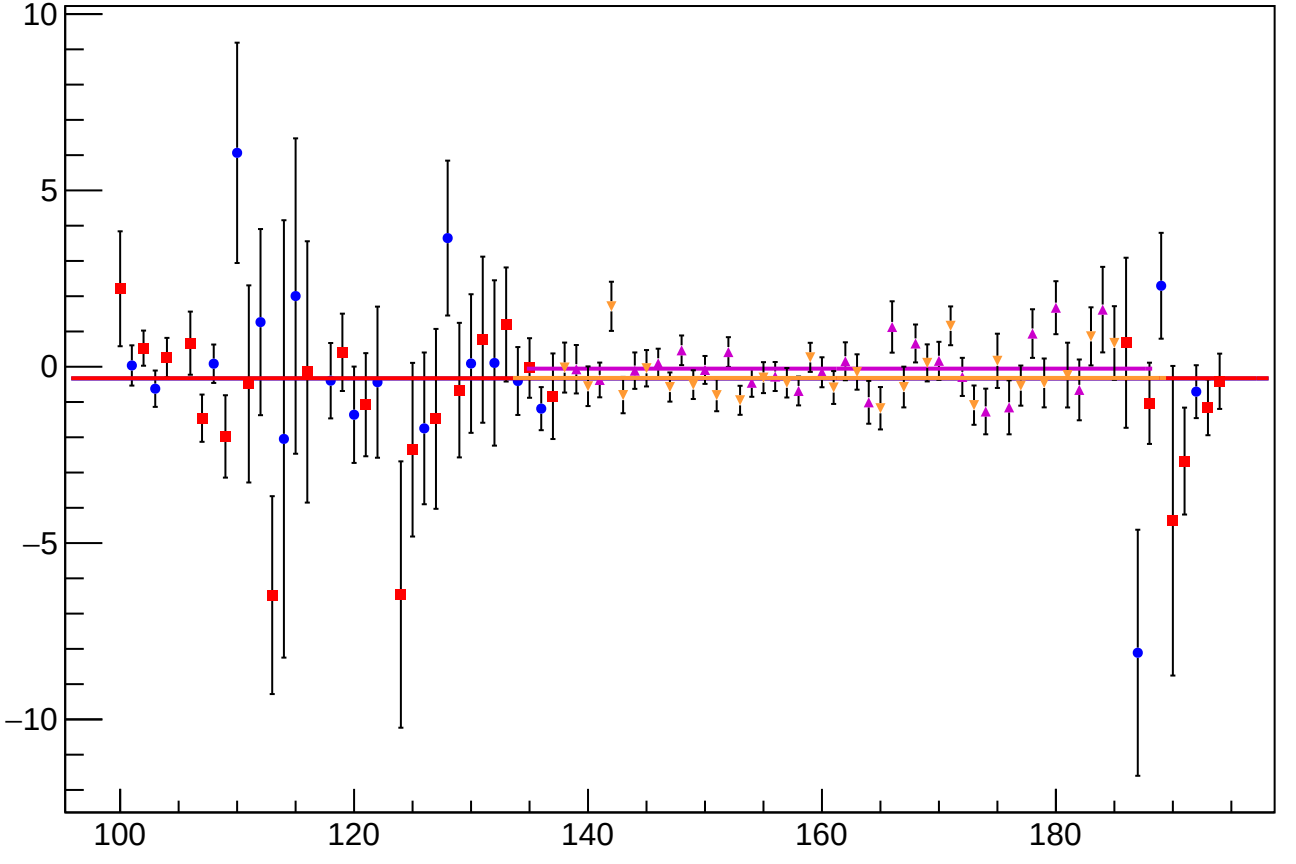
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9305.500+/-1.287 χ^2/NDF: 3875406.0/43

All: 9479.410+/-0.924 χ^2/NDF: 9592822.8/91

- sign 9664.456+/-1.327 χ^2/NDF: 5679699.7/47

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

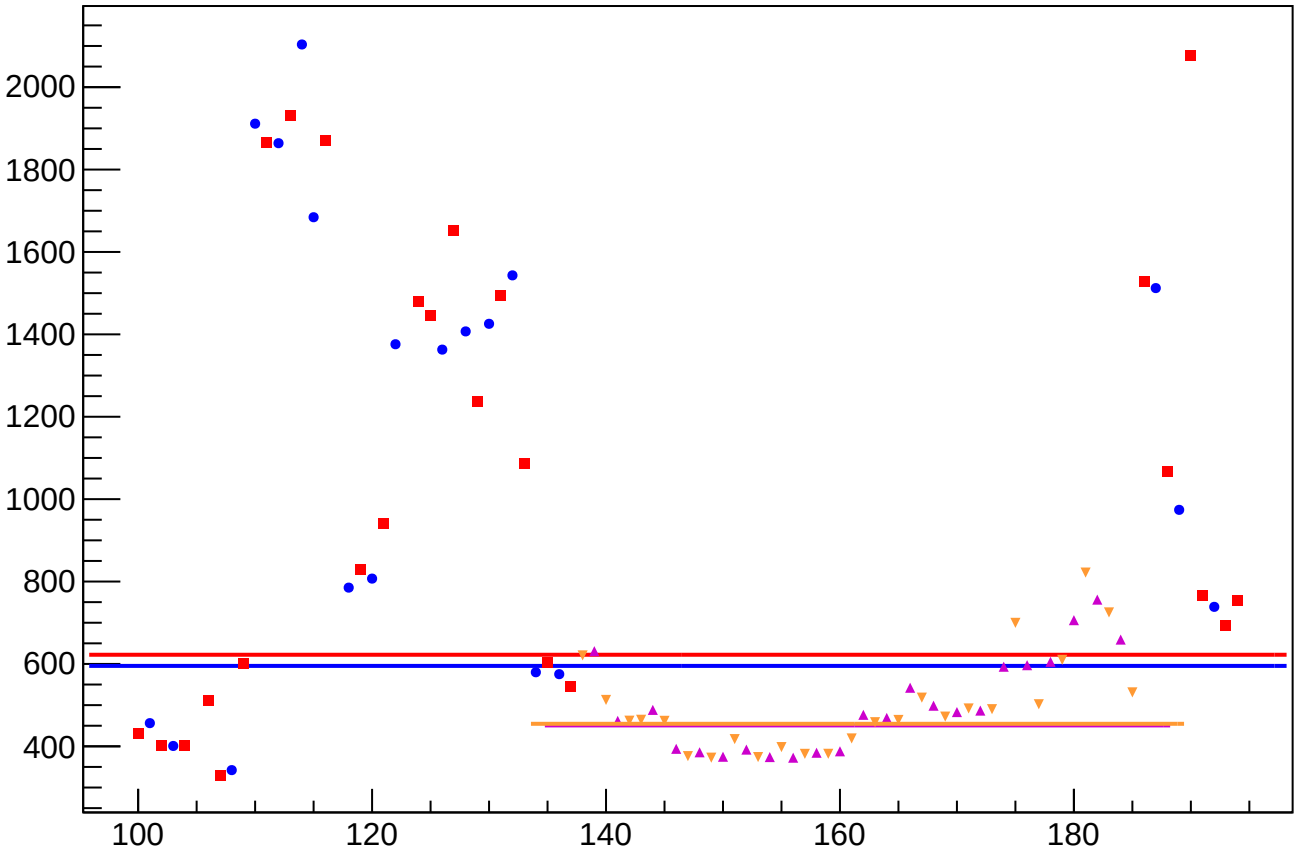
Right Out: -0.326+/-0.216 χ^2/NDF: 27.9/24

Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.320+/-0.096 χ^2/NDF: 53.1/43

All: -0.215+/-0.068 χ^2/NDF: 114.5/91

- sign -0.108+/-0.097 χ^2/NDF: 59.0/47



Right In: 595.229+/-0.162 χ^2/NDF: 3818757.4/18

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

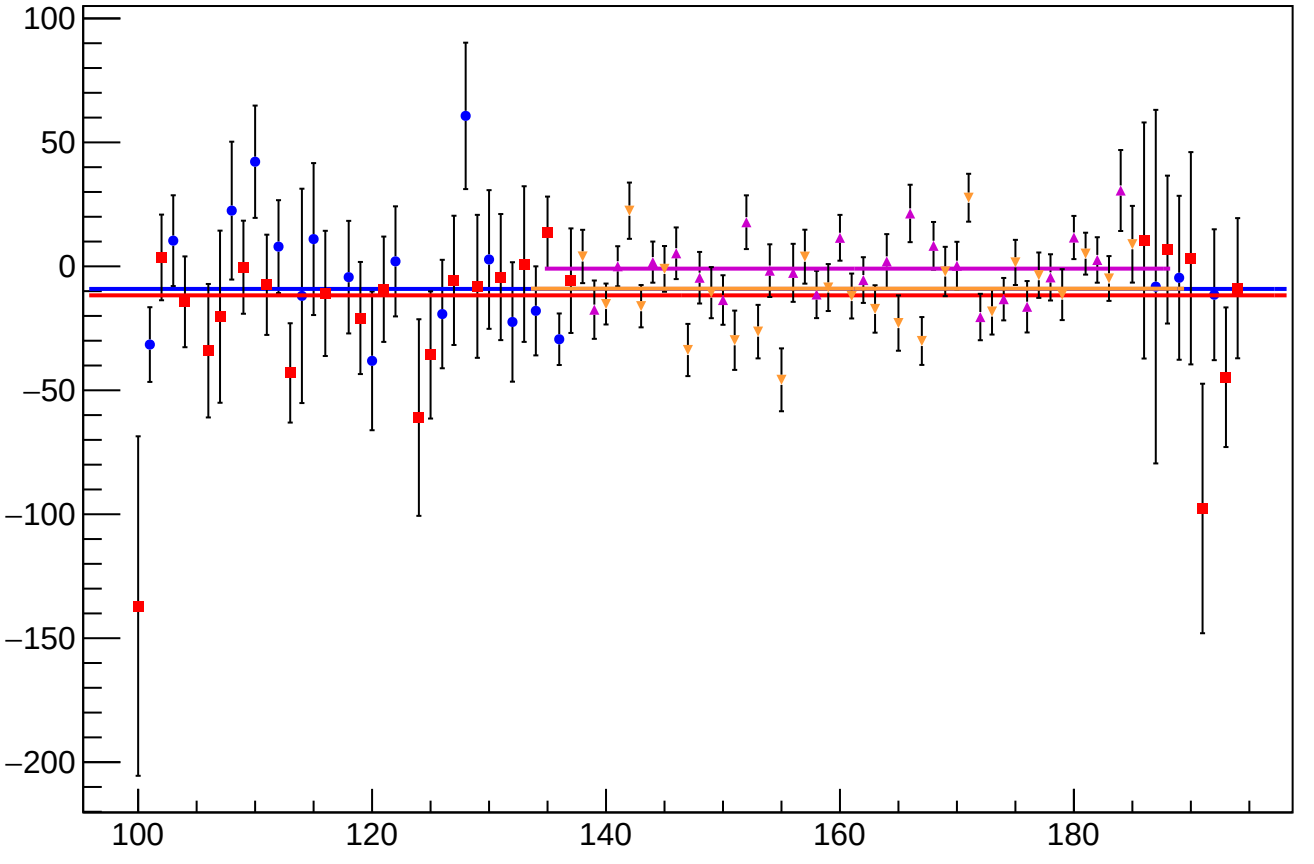
Right Out: 622.292+/-0.153 χ^2/NDF: 4570266.8/24

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 479.500+/-0.068 χ^2/NDF: 5890852.1/43

All: 482.269+/-0.048 χ^2/NDF: 12942285.3/91

- sign 485.070+/-0.068 χ^2/NDF: 7048098.0/47



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: -11.698+/-4.902 χ^2/NDF: 18.8/24

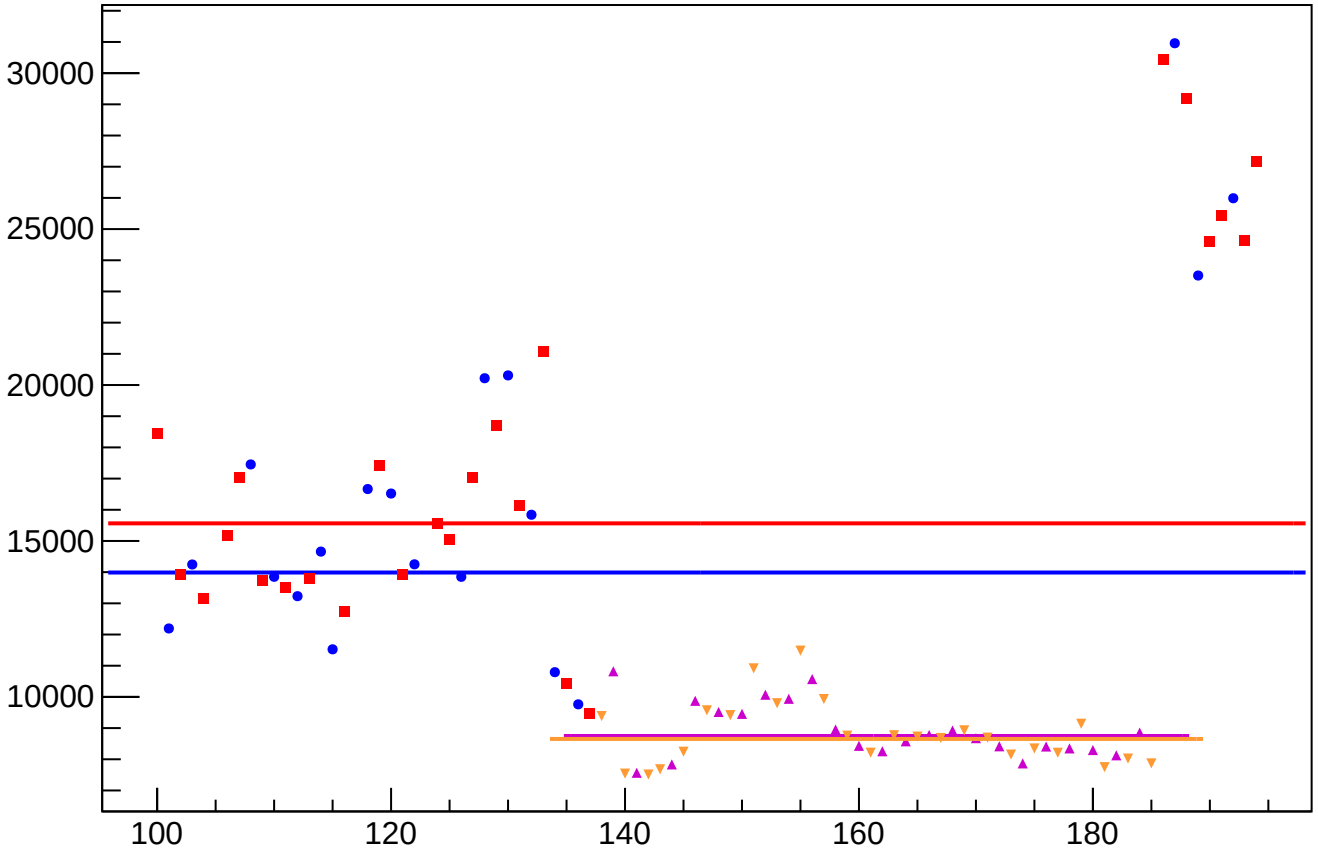
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -9.015+/-1.838 χ^2/NDF: 84.0/43

All: -5.876+/-1.320 χ^2/NDF: 142.8/91

- sign -2.536+/-1.896 χ^2/NDF: 52.7/47

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: 15564.312+/-3.466 χ^2/NDF: 1996923.7/24

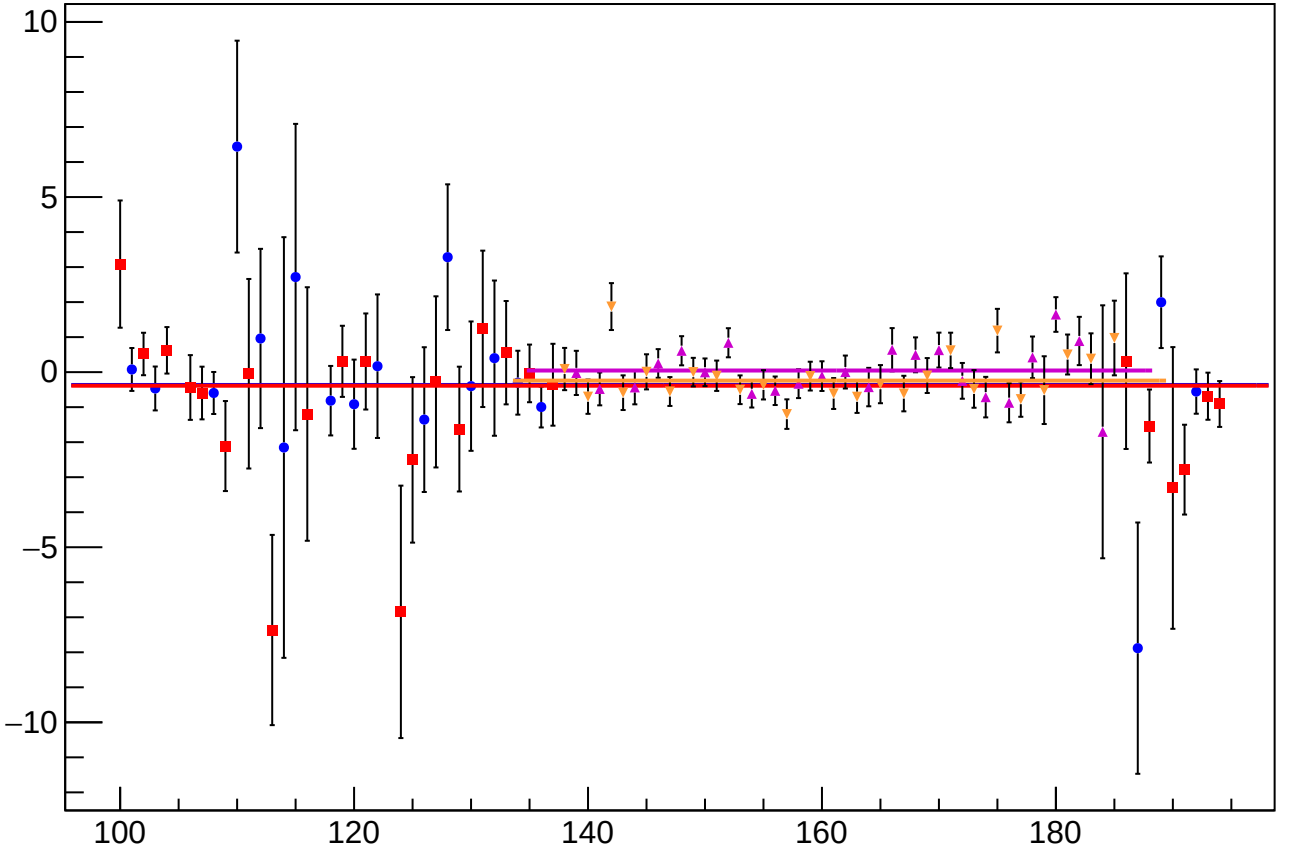
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 9399.127+/-1.300 χ^2/NDF: 3846616.1/43

All: 9576.736+/-0.933 χ^2/NDF: 9503659.9/91

- sign 9765.715+/-1.340 χ^2/NDF: 5618488.5/47

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: -0.387+/-0.220 χ^2/NDF: 29.2/24

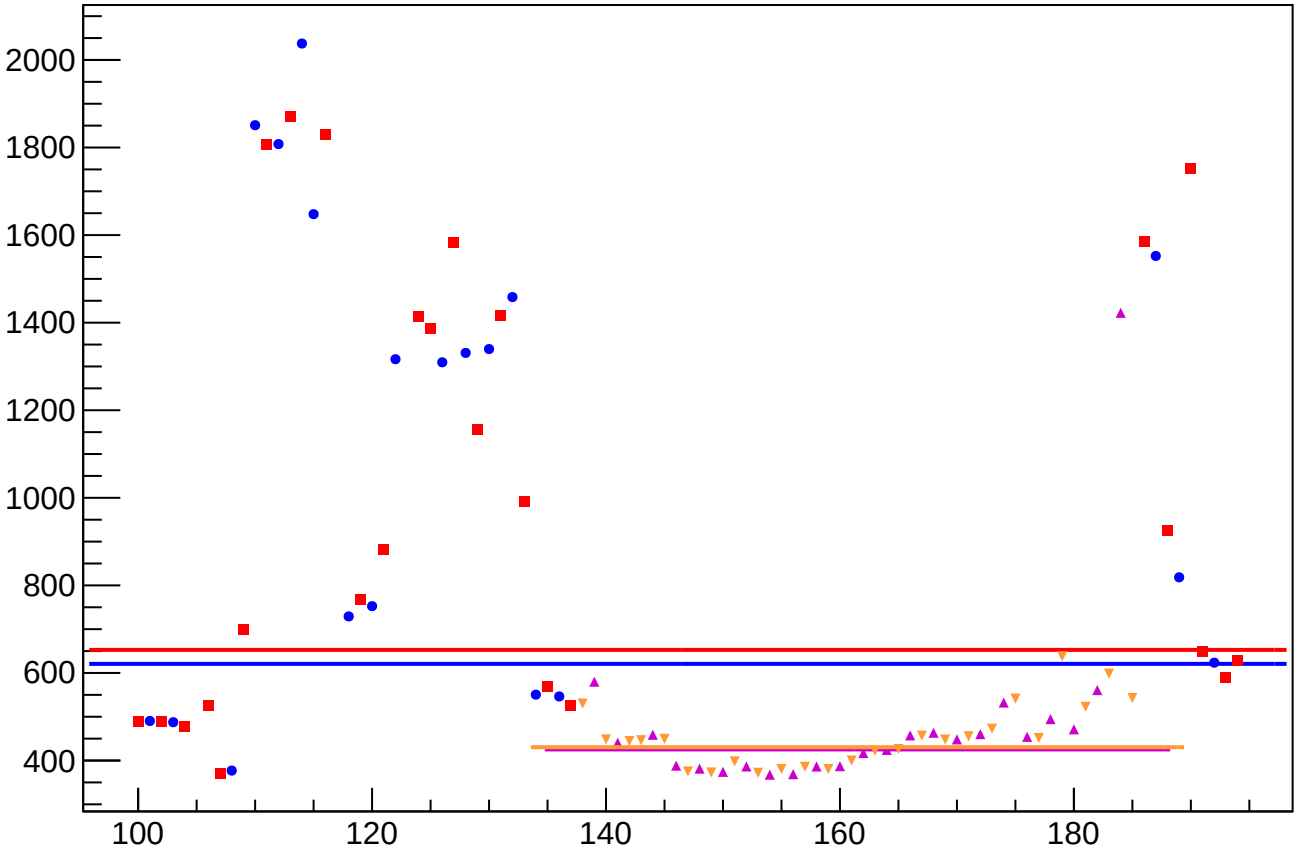
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.262+/-0.092 χ^2/NDF: 53.9/43

All: -0.146+/-0.065 χ^2/NDF: 124.6/91

- sign -0.029+/-0.092 χ^2/NDF: 67.5/47

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

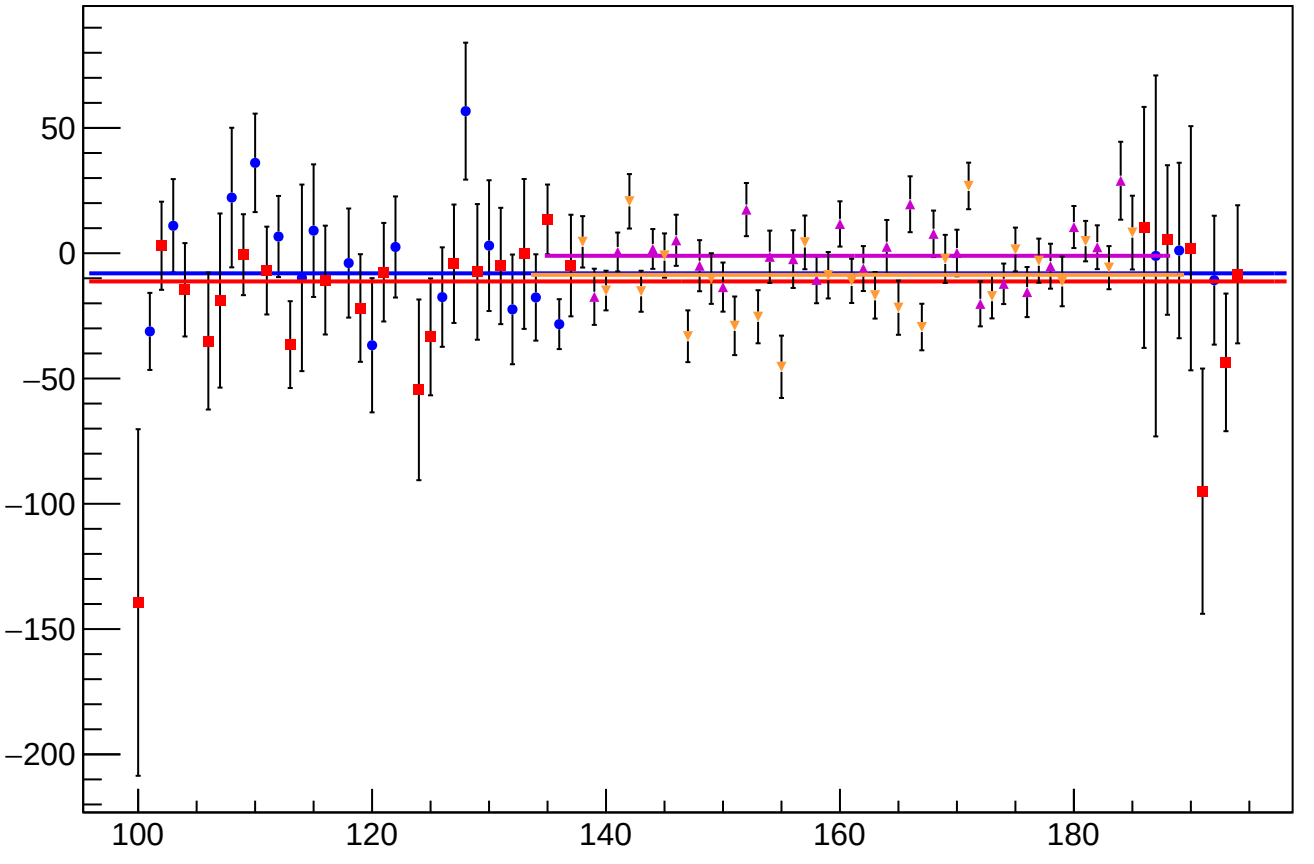
Right Out: 652.690+/-0.156 χ^2/NDF: 3382879.4/24

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 460.191+/-0.065 χ^2/NDF: 4814140.0/43

All: 462.665+/-0.046 χ^2/NDF: 10672512.4/91

- sign 465.151+/-0.065 χ^2/NDF: 5855475.2/47



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: -11.252+/-4.606 χ^2/NDF: 18.6/24

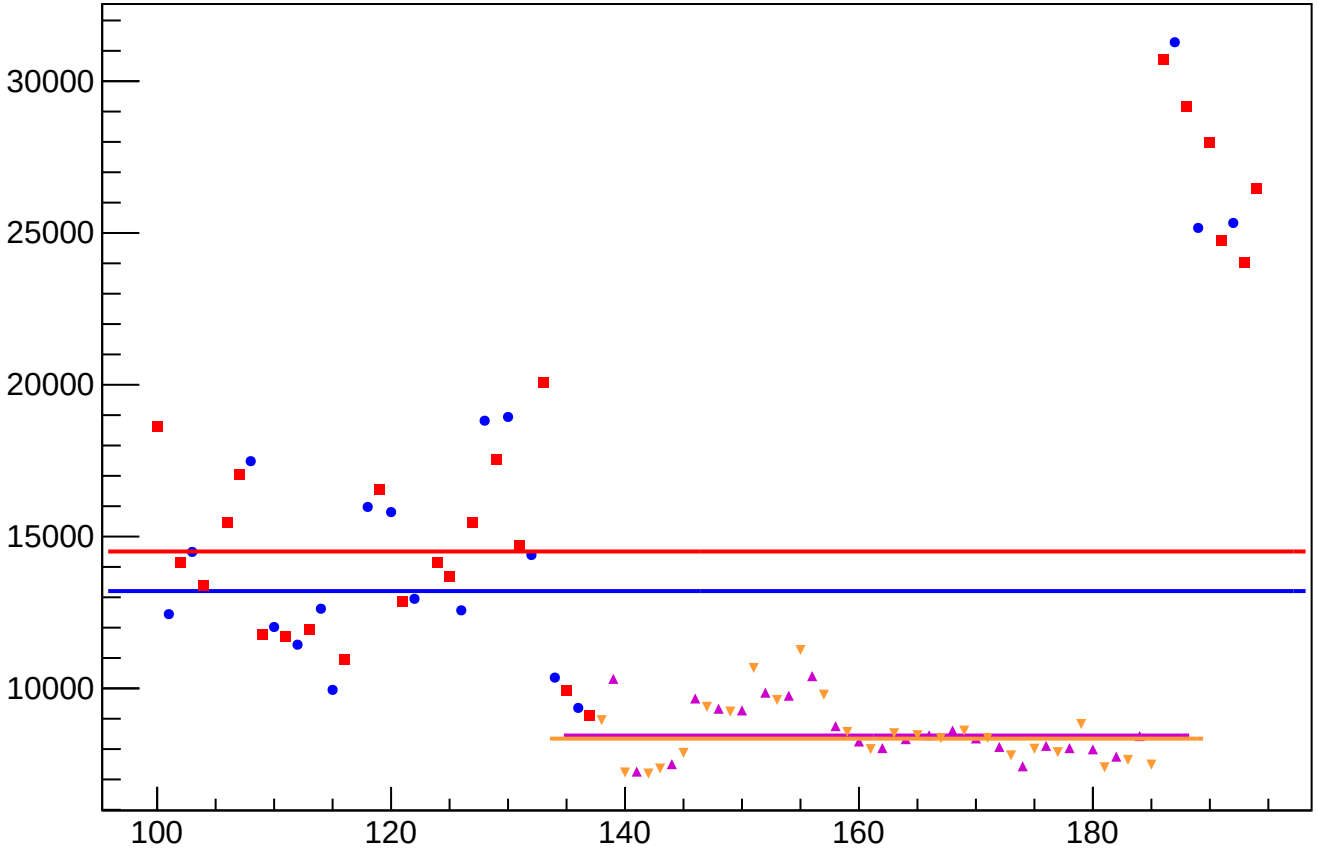
Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

\+ sign -8.536+/-1.769 χ^2/NDF: 84.8/43

All: -5.674+/-1.270 χ^2/NDF: 142.8/91

\- sign -2.631+/-1.824 χ^2/NDF: 52.6/47

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

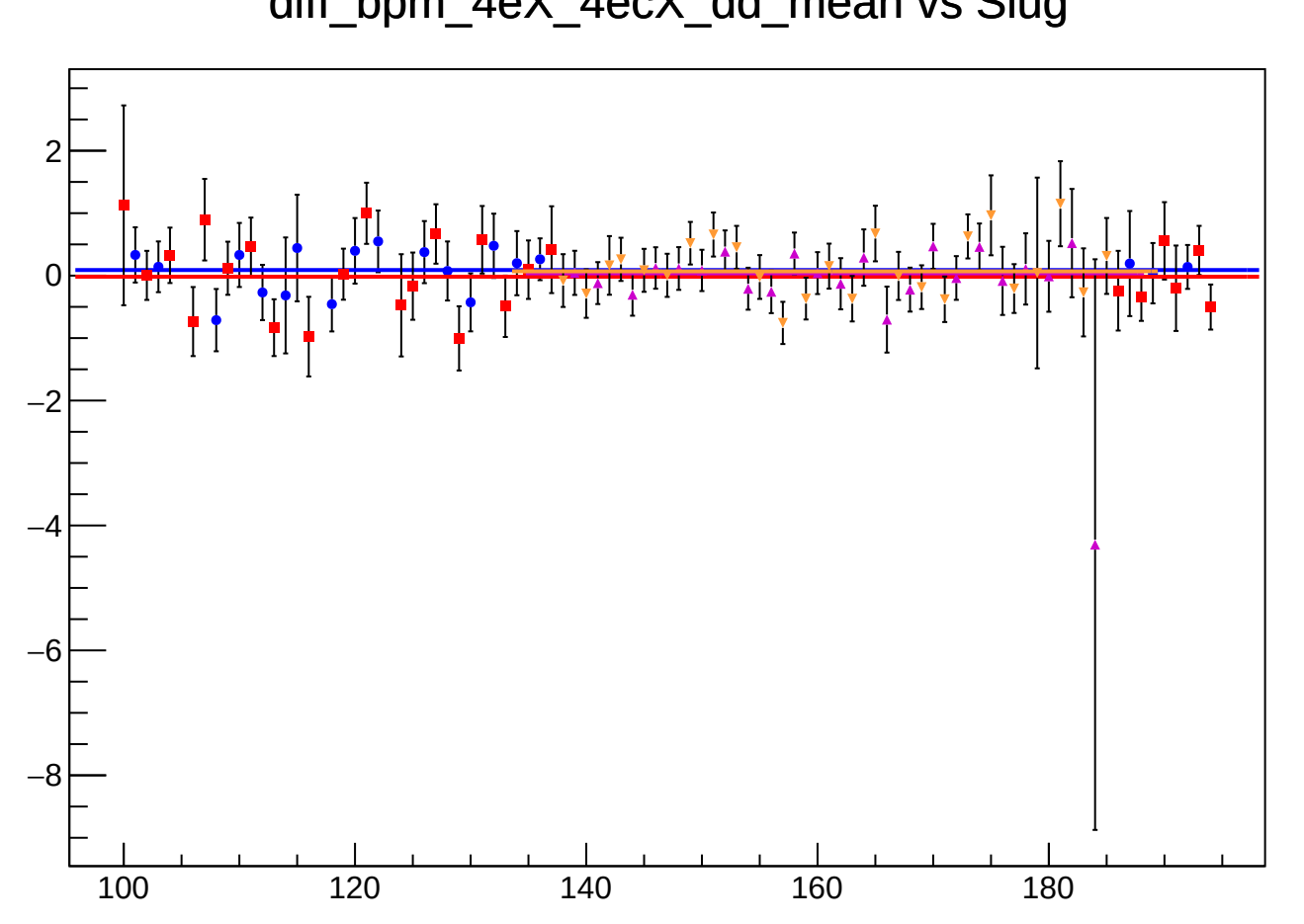
Right Out: 14508.899+/-3.257 χ^2/NDF: 2293540.3/24

Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 9048.605+/-1.251 χ^2/NDF: 3860816.8/43

All: 9217.770+/-0.898 χ^2/NDF: 9495375.0/91

- sign 9397.650+/-1.290 χ^2/NDF: 5596821.9/47



Right In: 0.090+/-0.110 χ^2/NDF: 9.4/18

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: -0.017+/-0.100 χ^2/NDF: 29.2/24

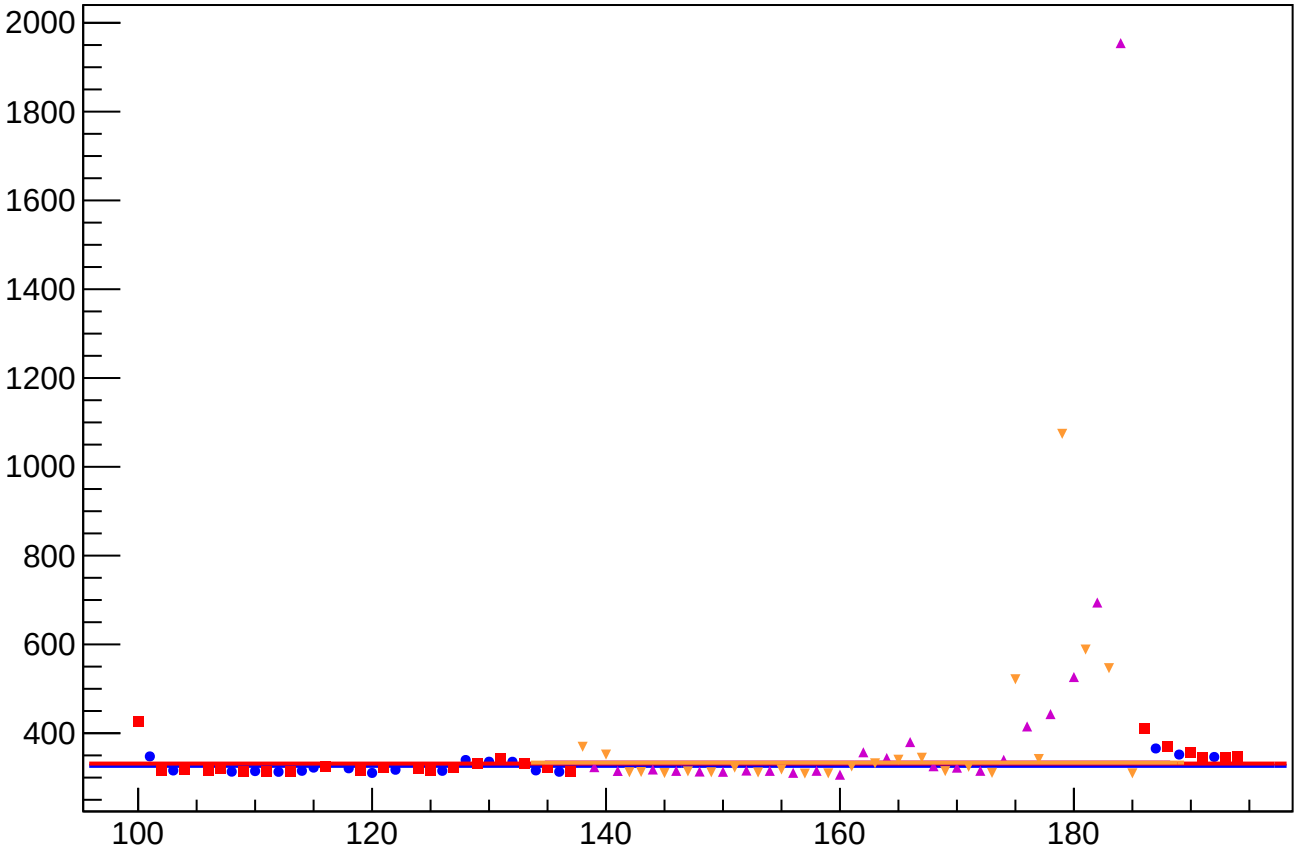
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.076+/-0.064 χ^2/NDF: 37.6/43

All: 0.045+/-0.045 χ^2/NDF: 79.1/91

- sign 0.016+/-0.063 χ^2/NDF: 41.0/47

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: 331.599+/-0.070 χ^2/NDF: 93814.1/24

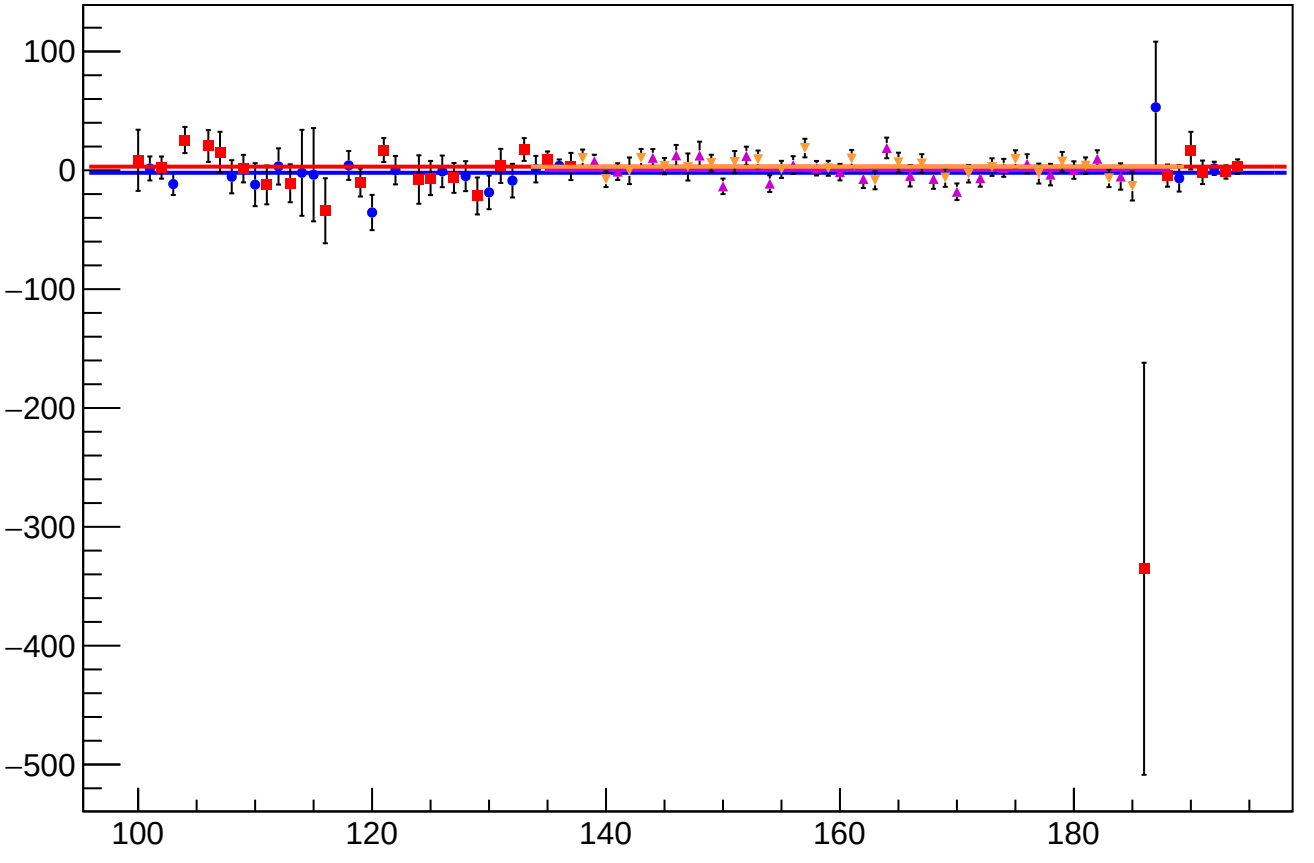
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 331.274+/-0.045 χ^2/NDF: 1260820.1/43

All: 332.172+/-0.032 χ^2/NDF: 2407074.2/91

- sign 333.033+/-0.044 χ^2/NDF: 1145486.5/47

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

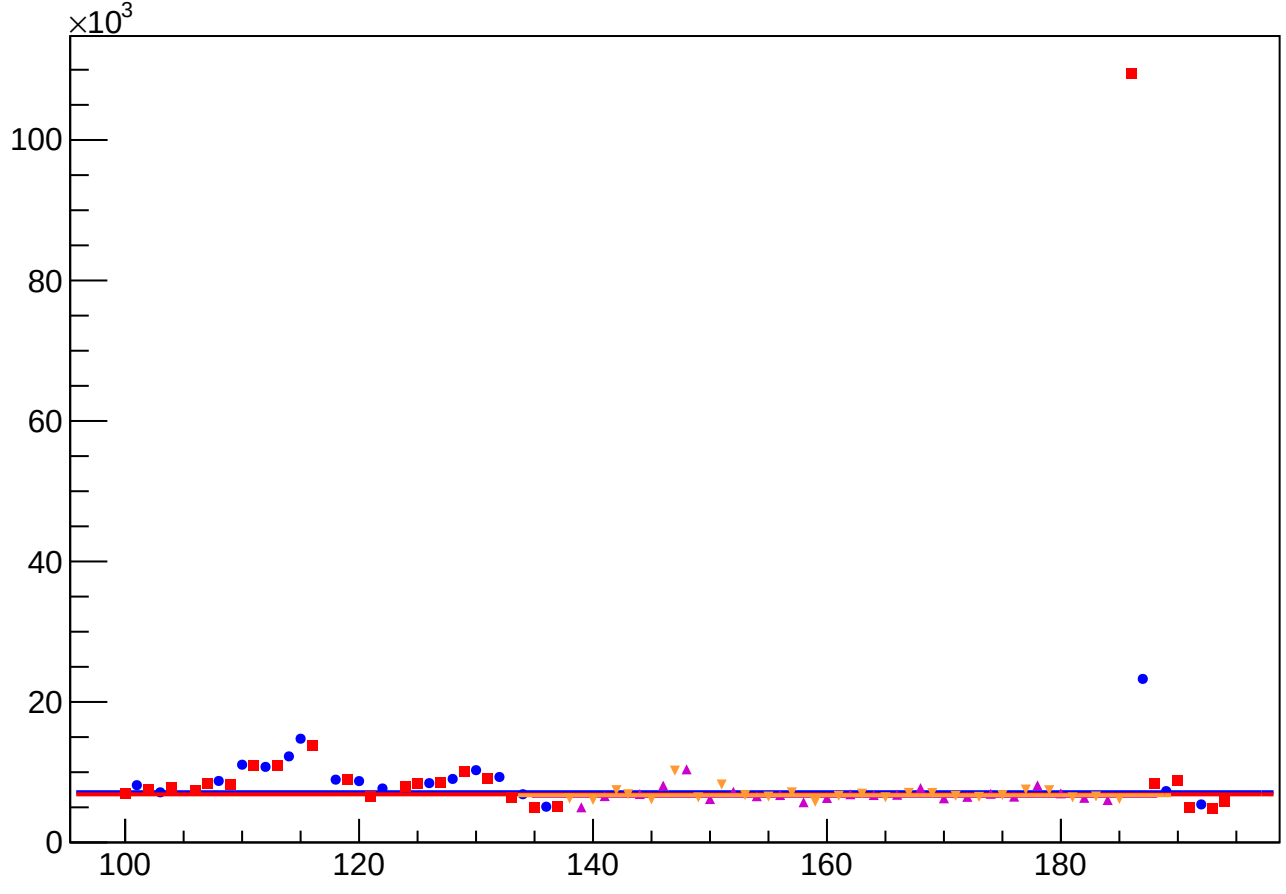
Right Out: 3.094+/-2.184 χ^2/NDF: 25.9/24

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 1.630+/-1.313 χ^2/NDF: 34.9/43

All: 1.452+/-0.914 χ^2/NDF: 95.6/91

- sign 1.284+/-1.274 χ^2/NDF: 60.7/47



Right In: 7151.619+/-1.774 χ^2/NDF: 1306451.9/18

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

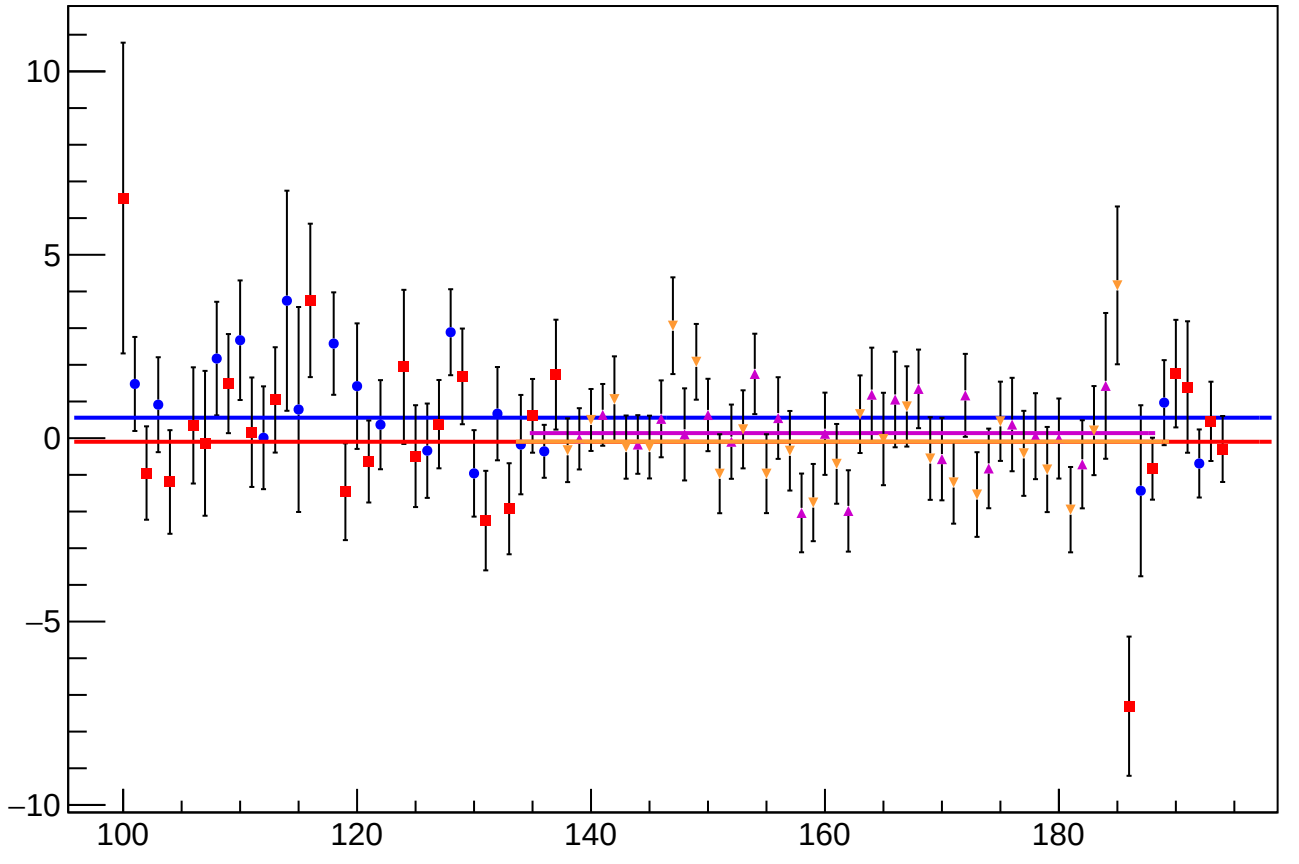
Right Out: 6847.702+/-1.544 χ^2/NDF: 2074961.2/24

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6840.480+/-0.929 χ^2/NDF: 1752151.4/43

All: 6771.114+/-0.647 χ^2/NDF: 4480213.7/91

- sign 6705.860+/-0.901 χ^2/NDF: 2717236.7/47



Right In: 0.558+/-0.295 χ^2/NDF: 17.7/18

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.098+/-0.266 χ^2/NDF: 37.8/24

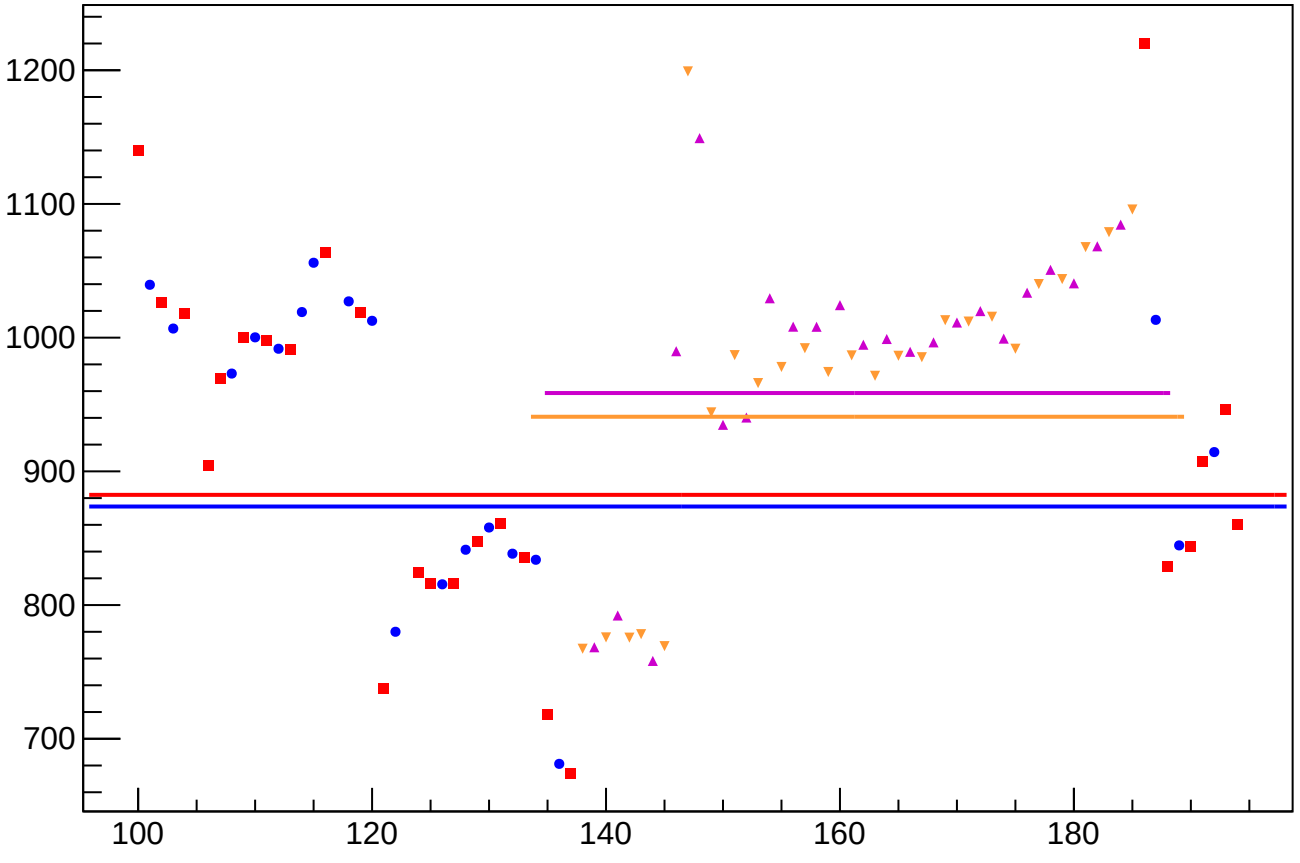
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.133+/-0.174 χ^2/NDF: 48.2/43

All: 0.086+/-0.122 χ^2/NDF: 103.1/91

- sign 0.040+/-0.172 χ^2/NDF: 54.8/47

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: 882.422+/-0.188 χ^2/NDF: 354172.1/24

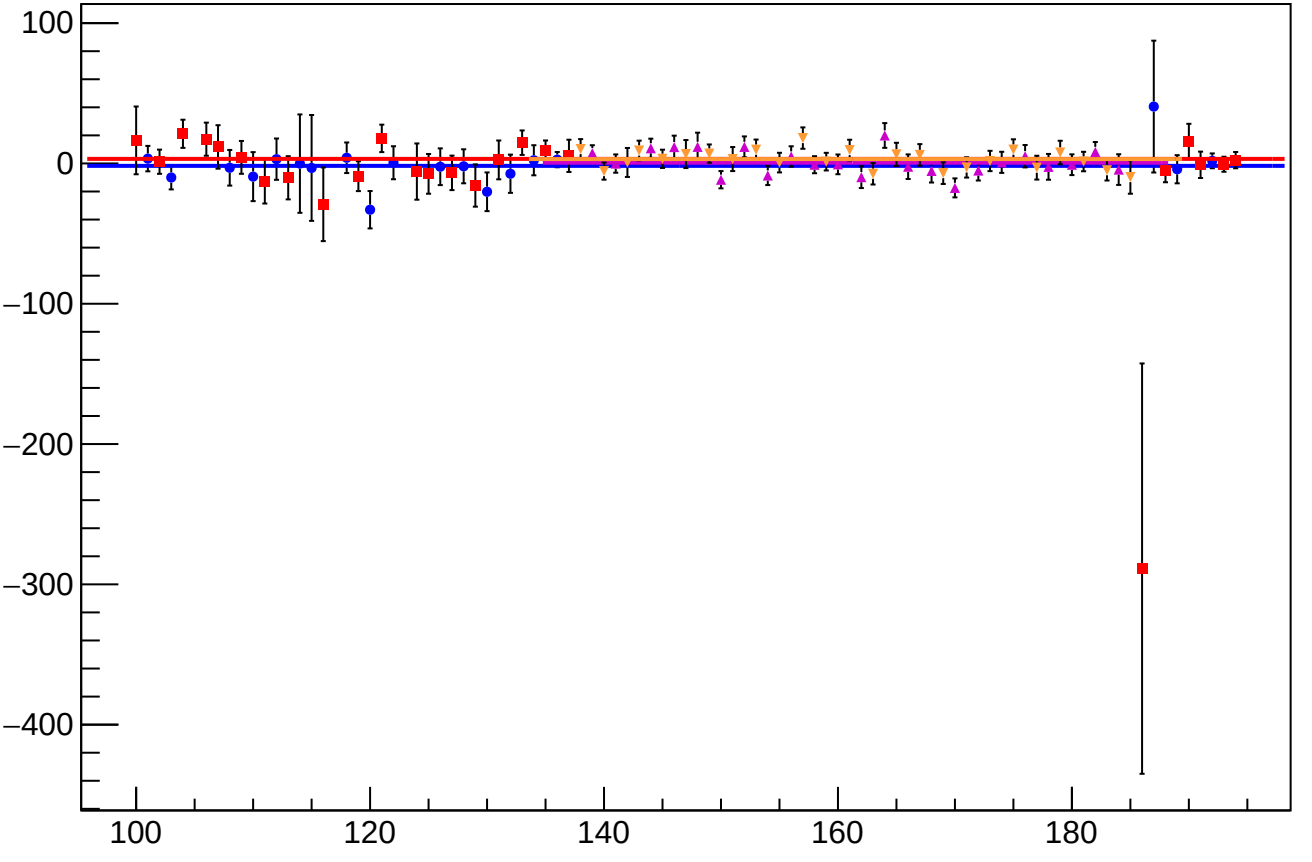
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 917.483+/-0.123 χ^2/NDF: 951649.7/43

All: 922.188+/-0.086 χ^2/NDF: 1860893.9/91

- sign 926.789+/-0.122 χ^2/NDF: 906349.6/47

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: 3.252+/-2.066 χ^2/NDF: 24.4/24

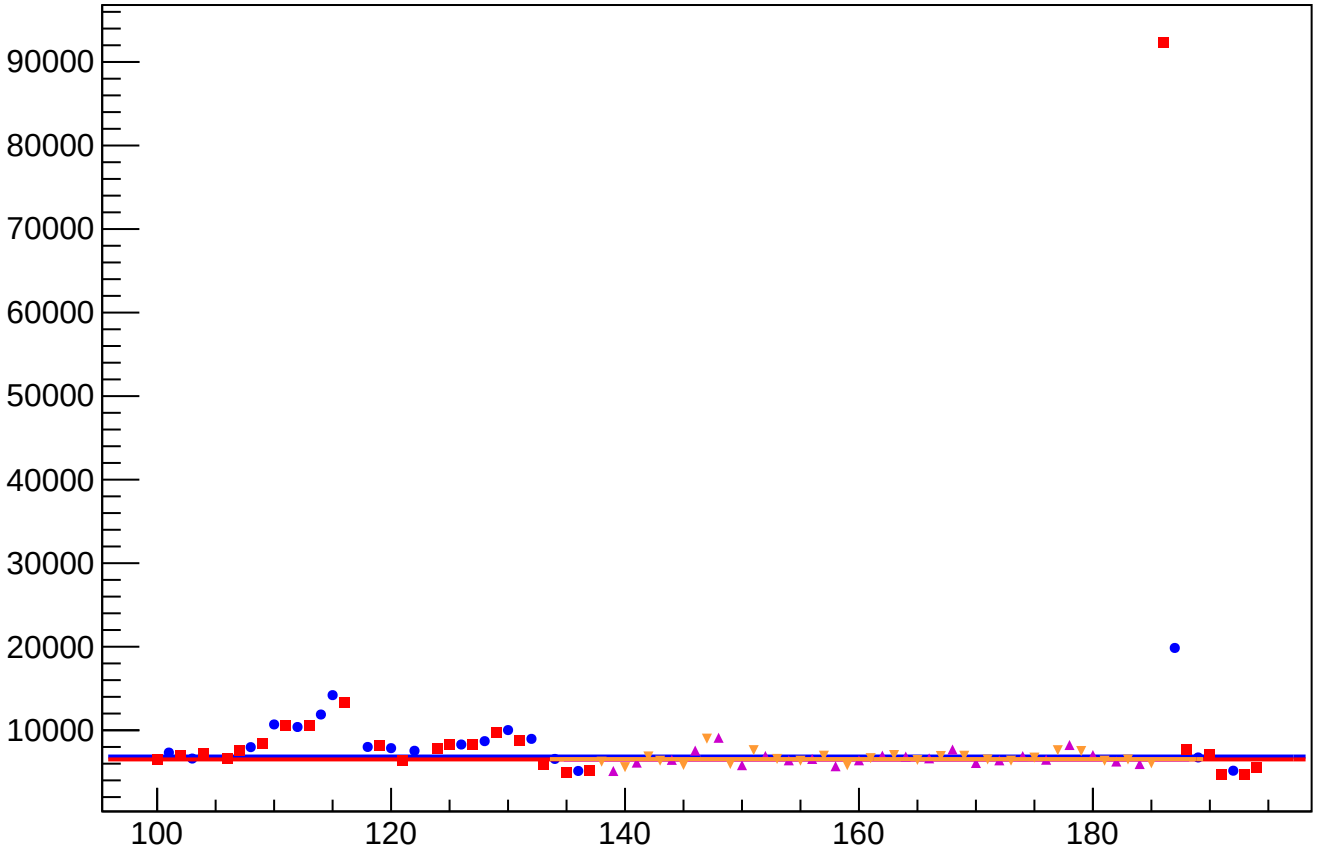
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 1.738+/-1.271 χ^2/NDF: 33.0/43

All: 1.611+/-0.885 χ^2/NDF: 90.6/91

- sign 1.491+/-1.232 χ^2/NDF: 57.5/47

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: 6508.764+/-1.461 χ^2/NDF: 1995192.6/24

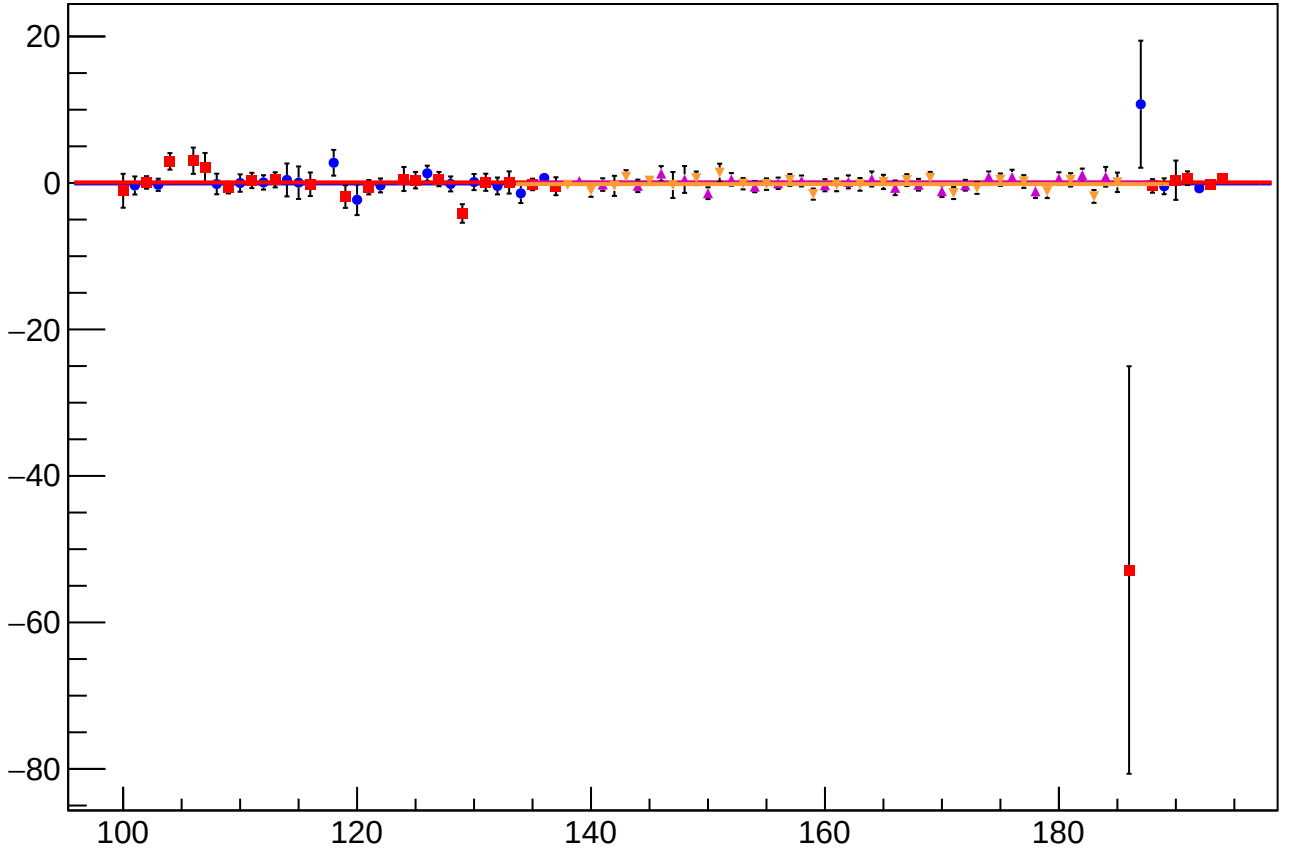
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6635.324+/-0.899 χ^2/NDF: 1568551.9/43

All: 6568.847+/-0.625 χ^2/NDF: 4089860.1/91

- sign 6506.375+/-0.871 χ^2/NDF: 2510693.5/47

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: 0.076+/-0.207 χ^2/NDF: 30.8/24

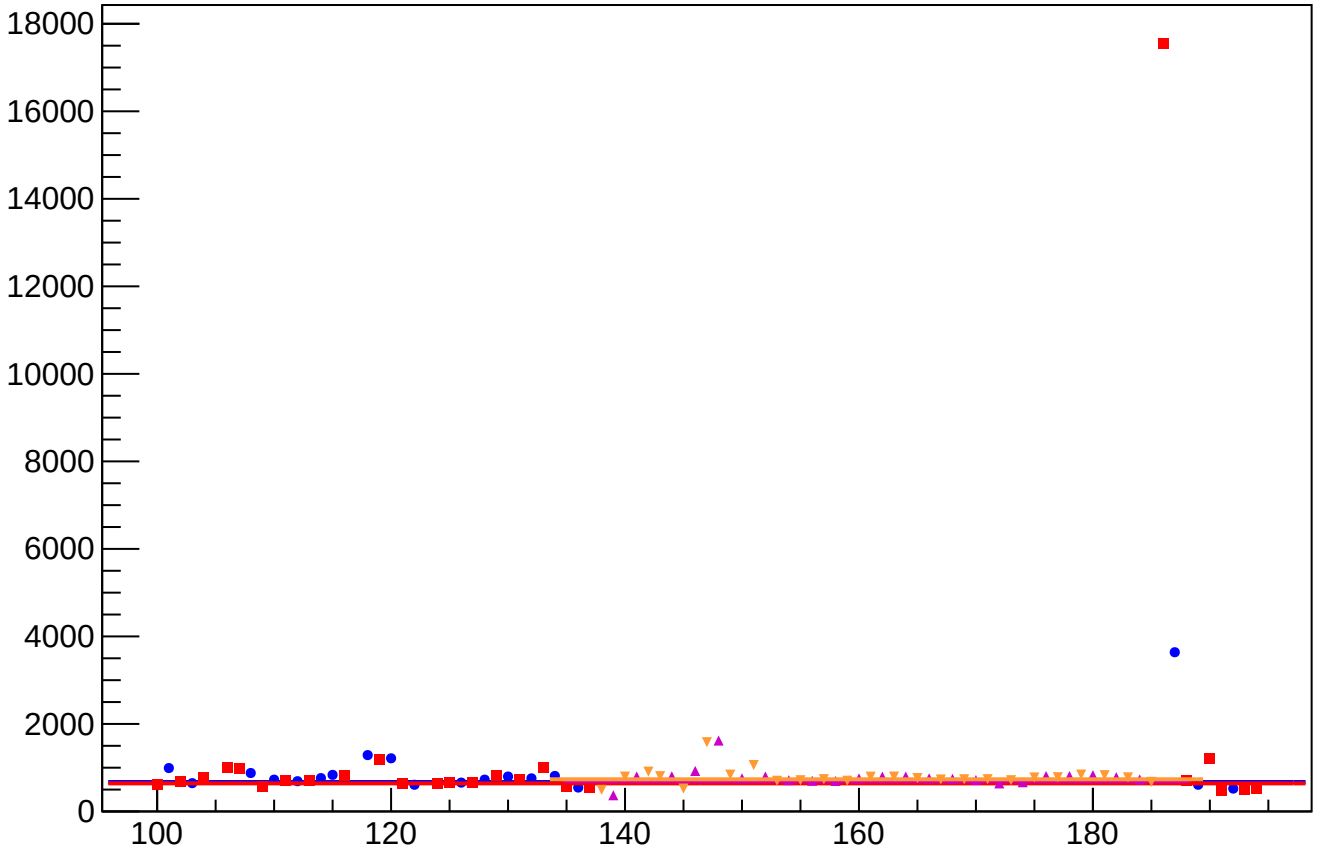
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.131+/-0.139 χ^2/NDF: 30.9/43

All: -0.040+/-0.095 χ^2/NDF: 77.7/91

- sign 0.041+/-0.131 χ^2/NDF: 46.1/47

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: 641.533+/-0.146 χ^2/NDF: 1792334.5/24

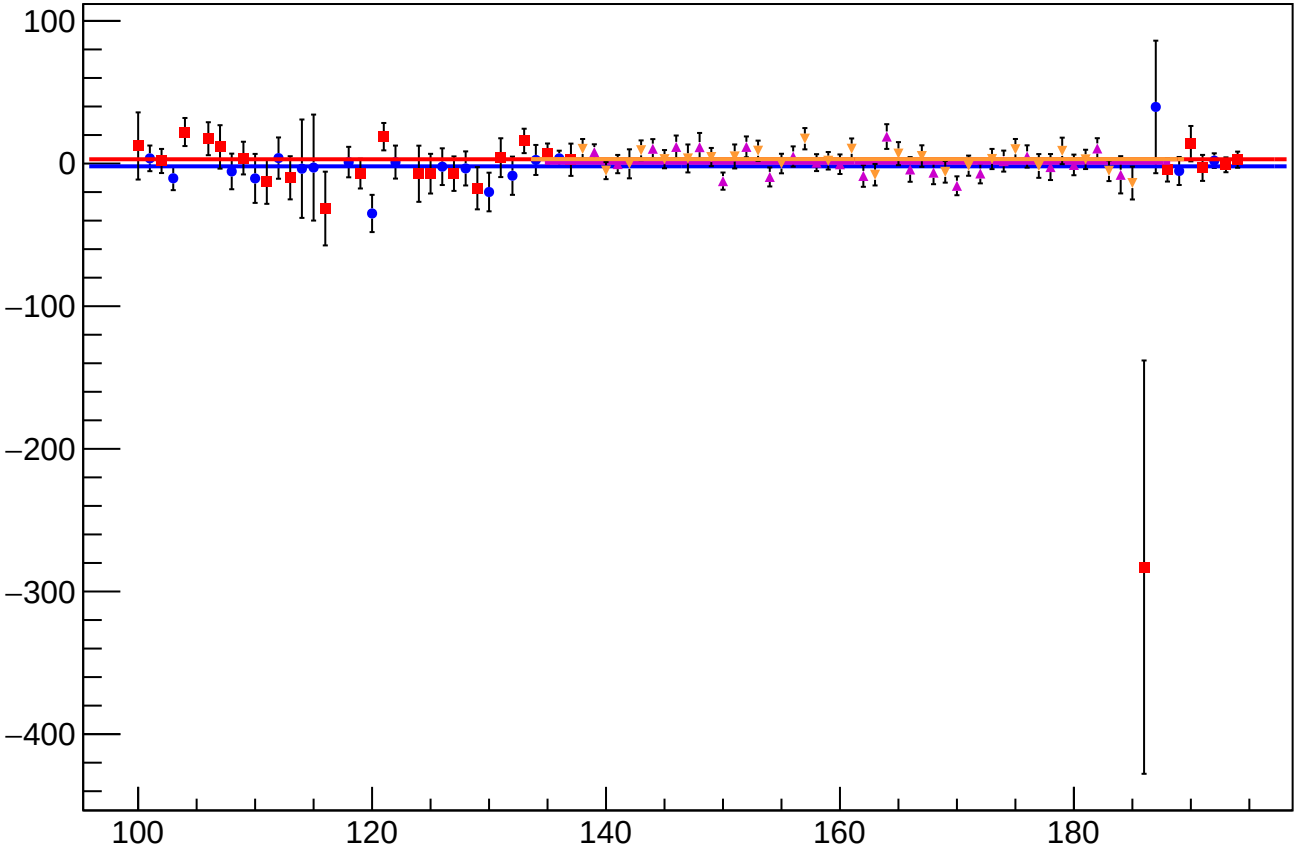
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 713.532+/-0.098 χ^2/NDF: 2574083.1/43

All: 692.084+/-0.067 χ^2/NDF: 6758365.2/91

- sign 673.112+/-0.093 χ^2/NDF: 4094881.3/47

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: 3.013+/-2.026 χ^2/NDF: 25.5/24

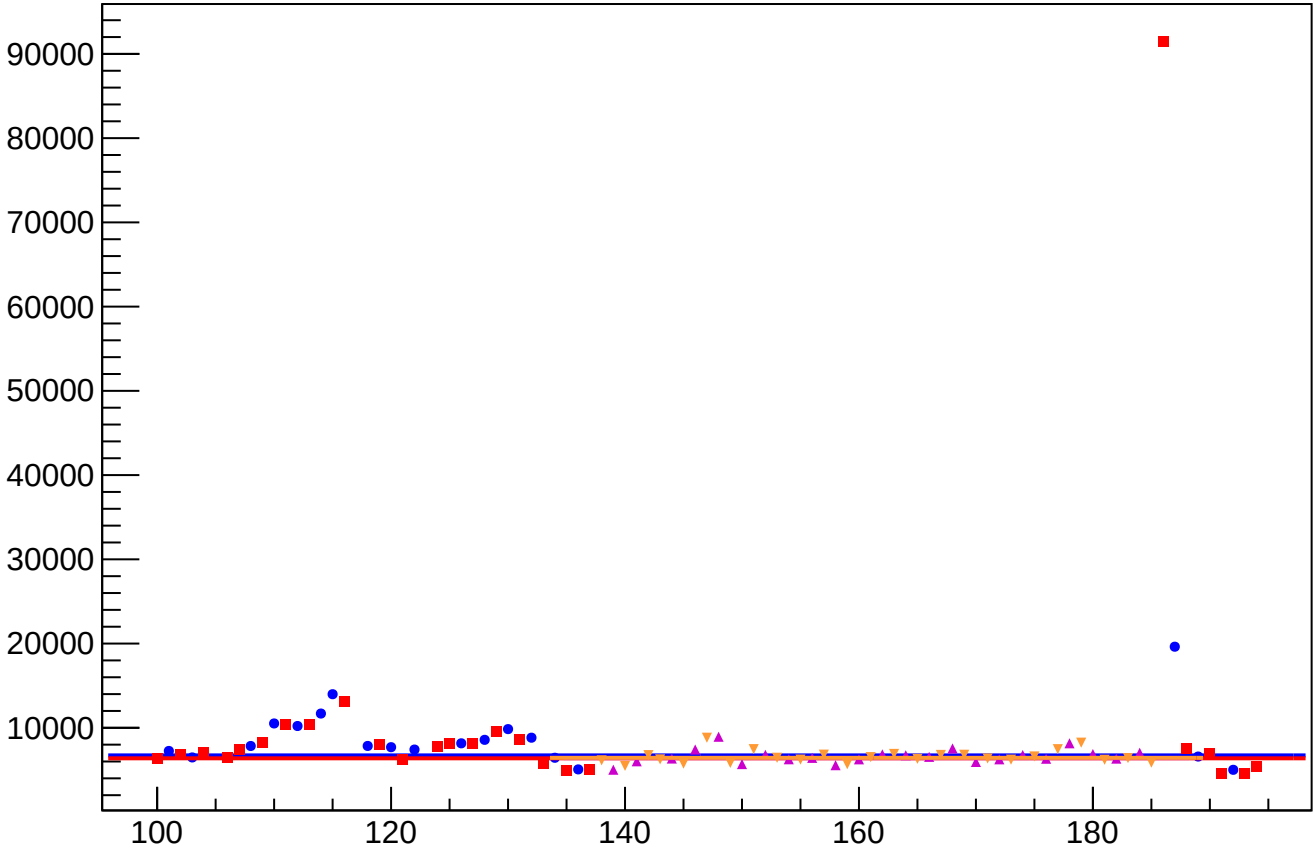
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 1.680+/-1.250 χ^2/NDF: 35.3/43

All: 1.552+/-0.870 χ^2/NDF: 95.3/91

- sign 1.431+/-1.212 χ^2/NDF: 60.0/47

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6724.430+/-1.661 χ^2/NDF: 1193340.3/18

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6377.661+/-1.433 χ^2/NDF: 2008030.0/24

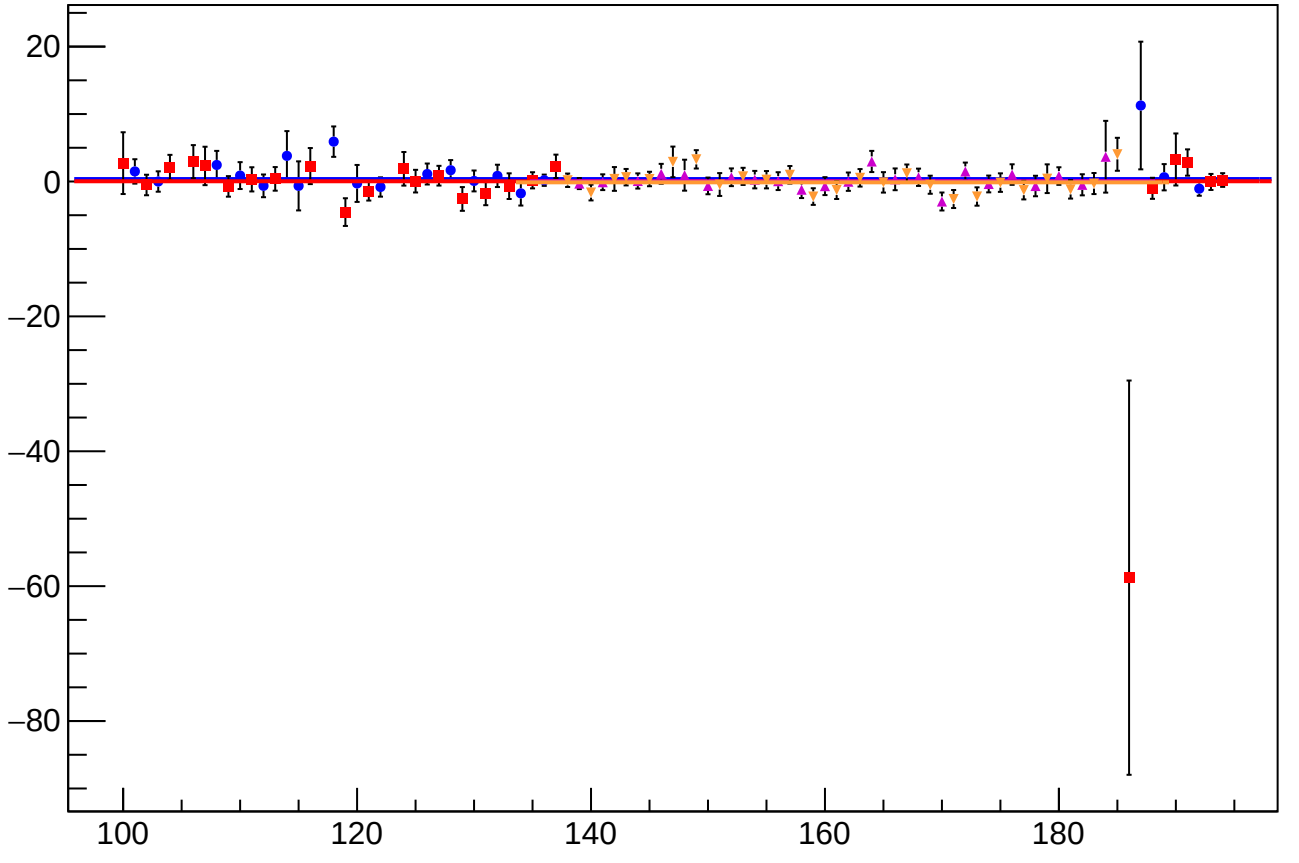
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6517.234+/-0.884 χ^2/NDF: 1632378.3/43

All: 6454.429+/-0.615 χ^2/NDF: 4175525.6/91

- sign 6395.365+/-0.857 χ^2/NDF: 2533347.1/47

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: 0.034+/-0.345 χ^2/NDF: 24.2/24

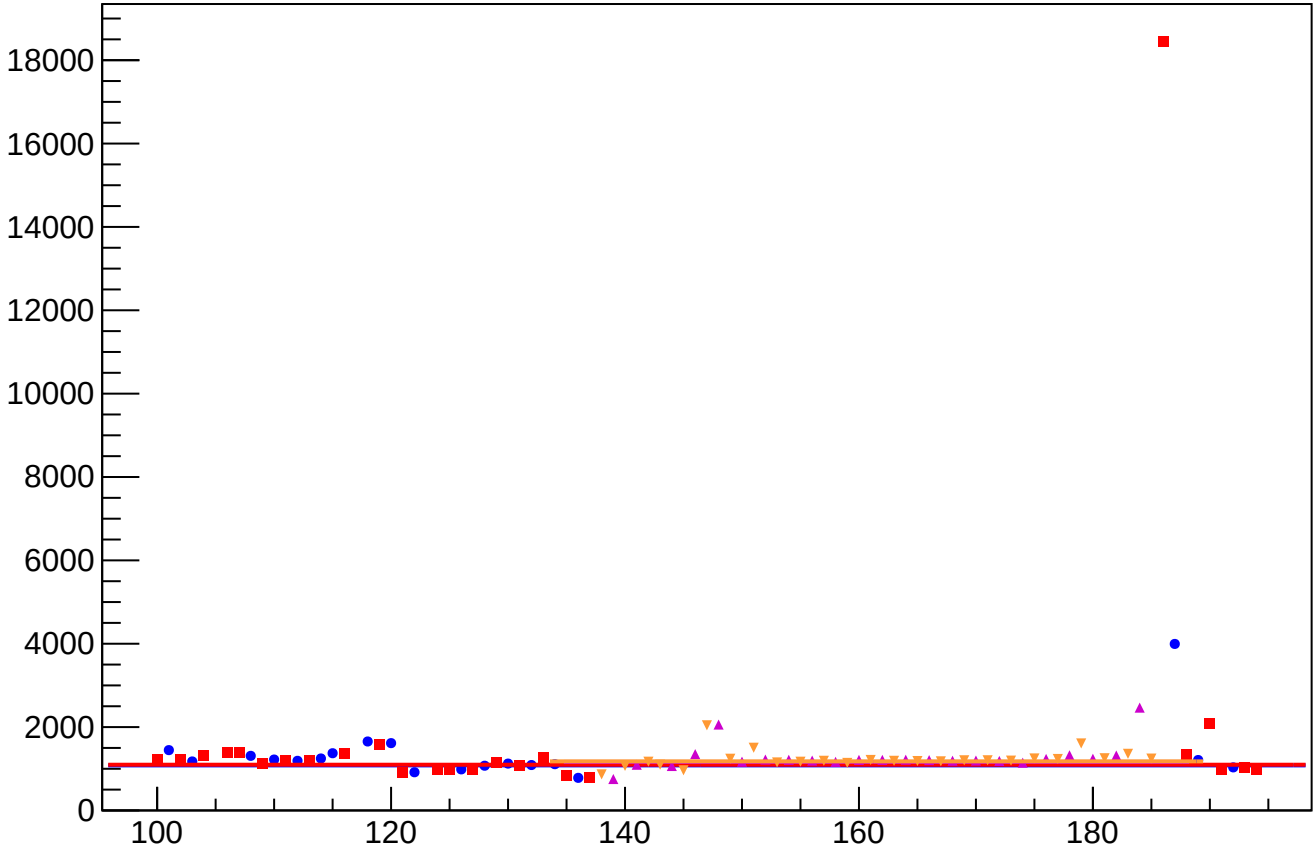
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign 0.045+/-0.221 χ^2/NDF: 43.4/43

All: 0.038+/-0.155 χ^2/NDF: 82.0/91

- sign 0.031+/-0.217 χ^2/NDF: 38.6/47

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

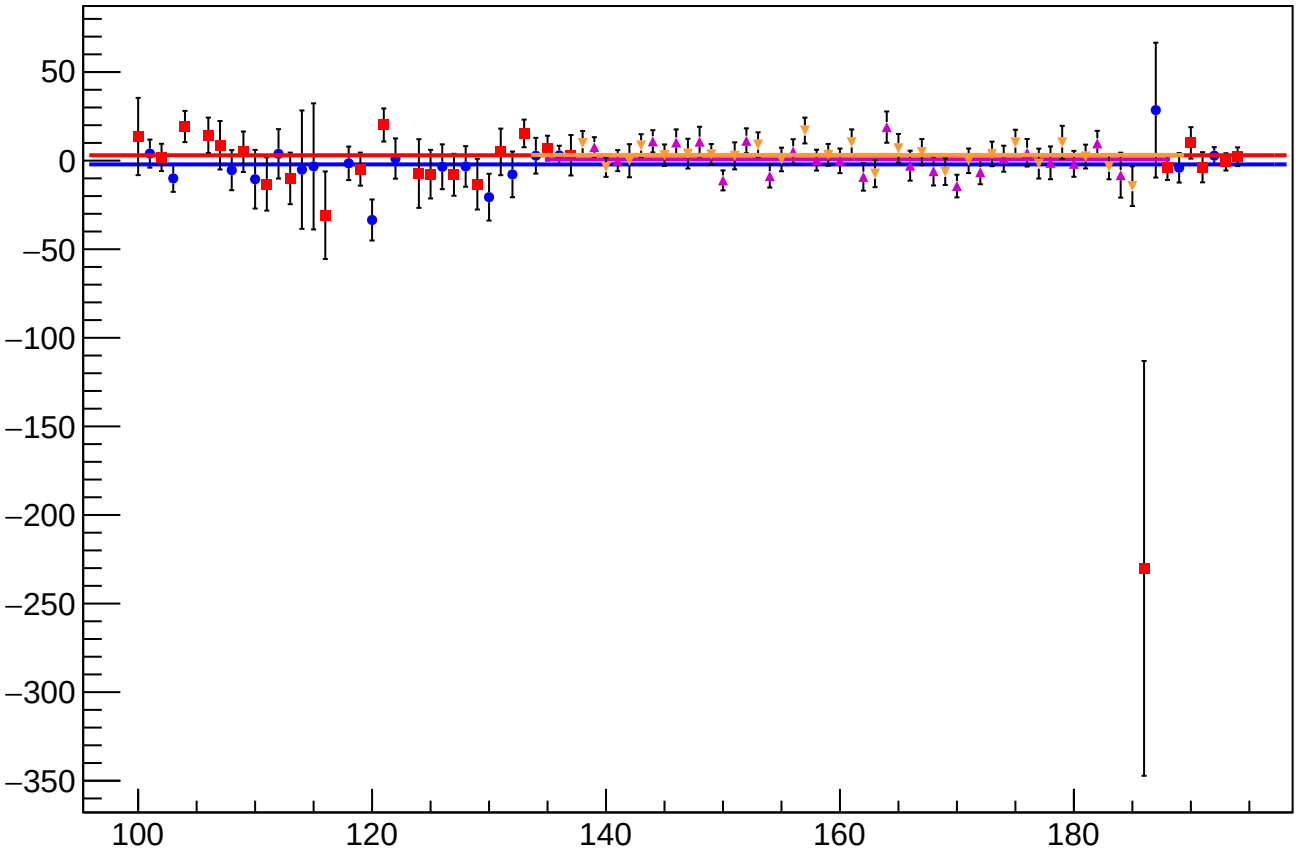
Right Out: 1097.088+/-0.244 χ^2/NDF: 1412332.9/24

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1144.251+/-0.156 χ^2/NDF: 1736573.7/43

All: 1140.803+/-0.109 χ^2/NDF: 4247376.2/91

- sign 1137.485+/-0.153 χ^2/NDF: 2509846.7/47



Right In: -2.124+/-2.207 χ^2/NDF: 14.7/18

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 3.043+/-1.881 χ^2/NDF: 25.6/24

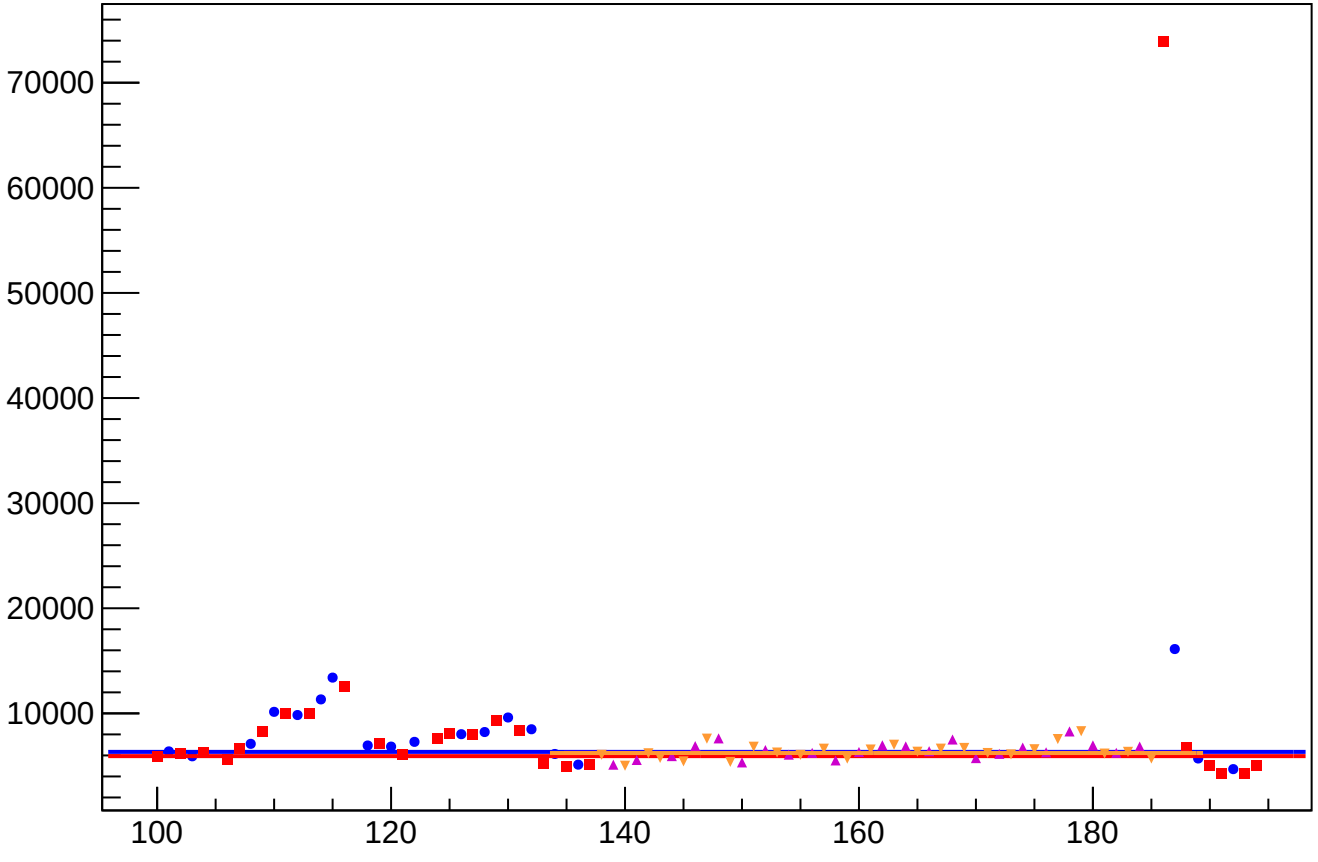
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 1.651+/-1.200 χ^2/NDF: 36.7/43

All: 1.609+/-0.834 χ^2/NDF: 95.7/91

- sign 1.571+/-1.160 χ^2/NDF: 59.0/47

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

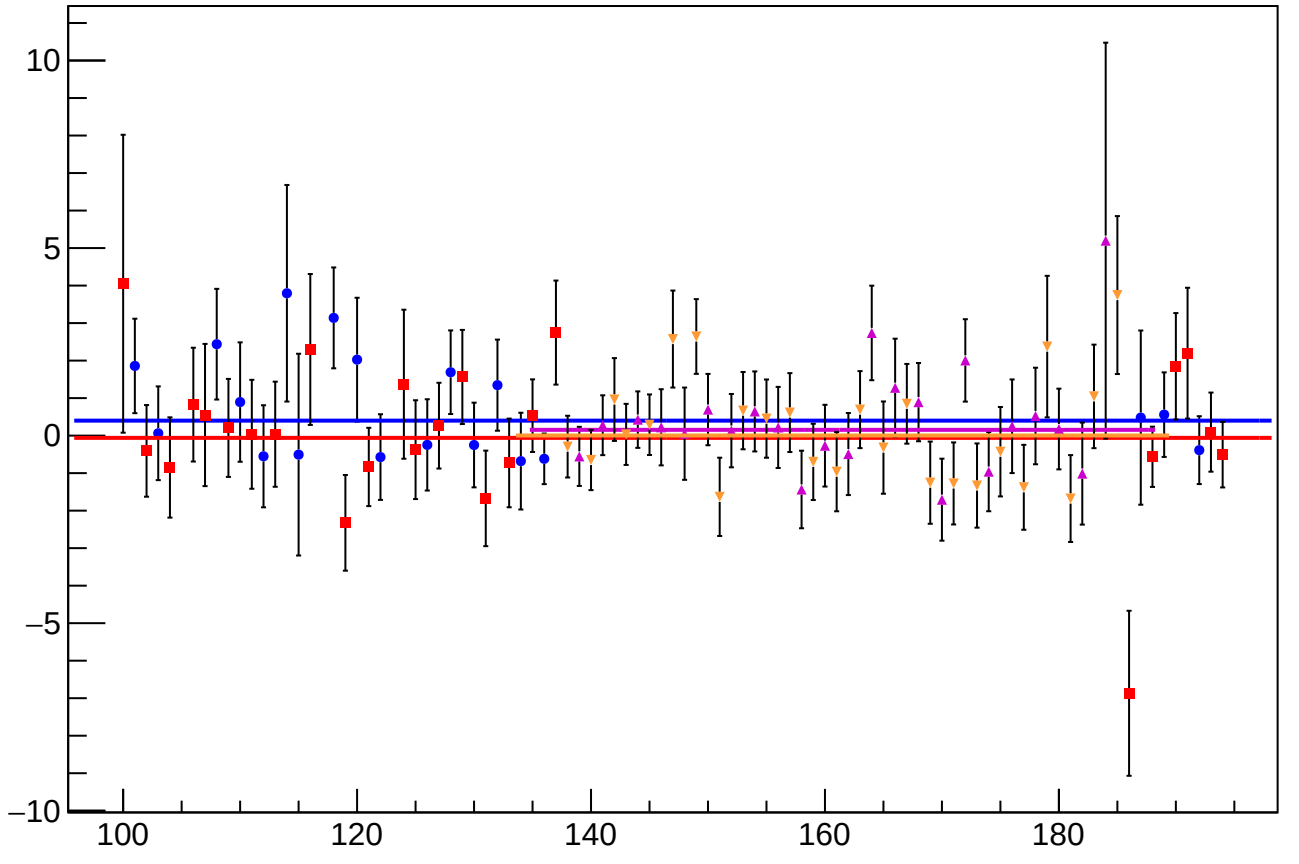
Right Out: 5932.837+/-1.330 χ^2/NDF: 2030453.6/24

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6260.810+/-0.848 χ^2/NDF: 1615117.3/43

All: 6191.849+/-0.590 χ^2/NDF: 4177859.7/91

- sign 6127.391+/-0.820 χ^2/NDF: 2549961.8/47



Right In: 0.399+/-0.282 χ^2/NDF: 17.6/18

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.060+/-0.256 χ^2/NDF: 29.5/24

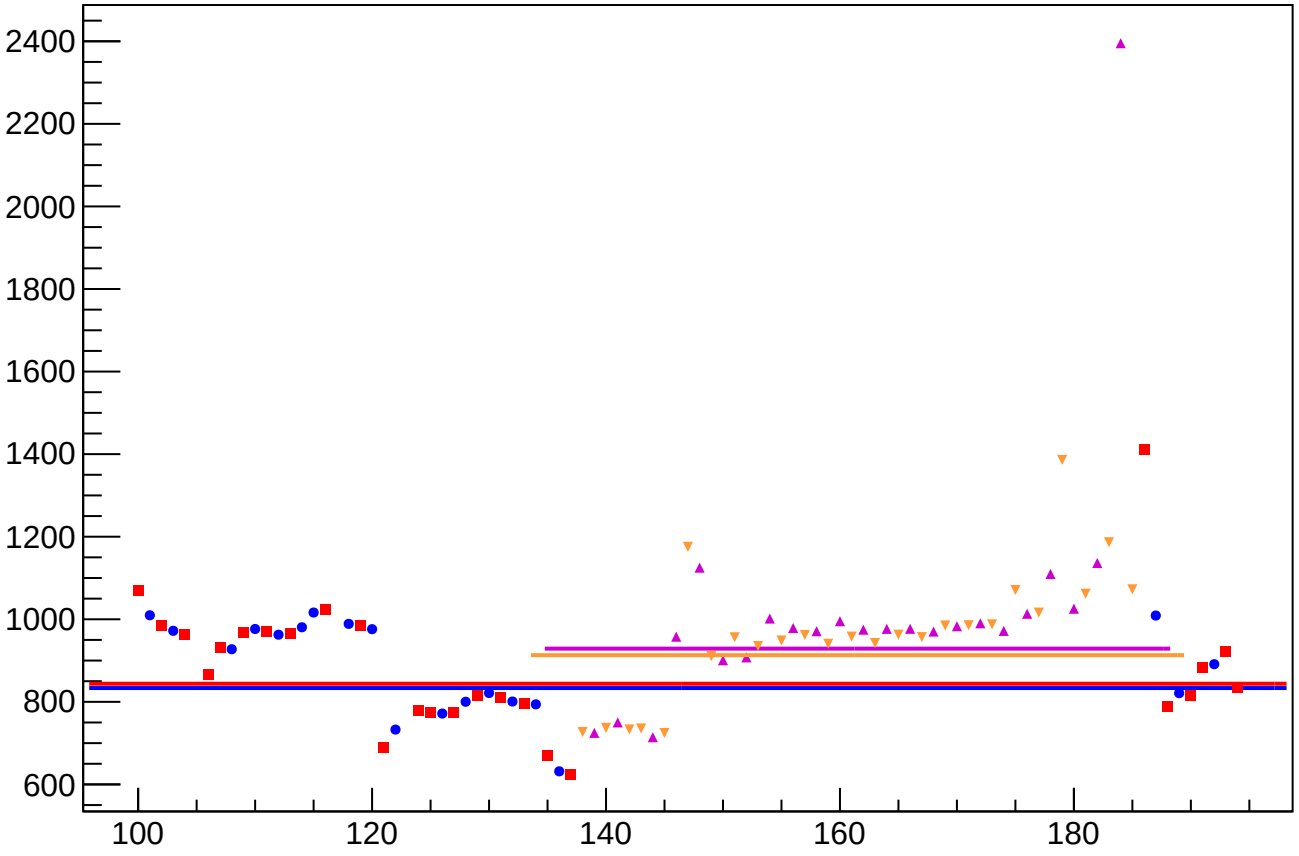
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.146+/-0.169 χ^2/NDF: 50.5/43

All: 0.104+/-0.119 χ^2/NDF: 98.9/91

- sign 0.063+/-0.167 χ^2/NDF: 48.3/47

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: 843.894+/-0.181 χ^2/NDF: 477064.7/24

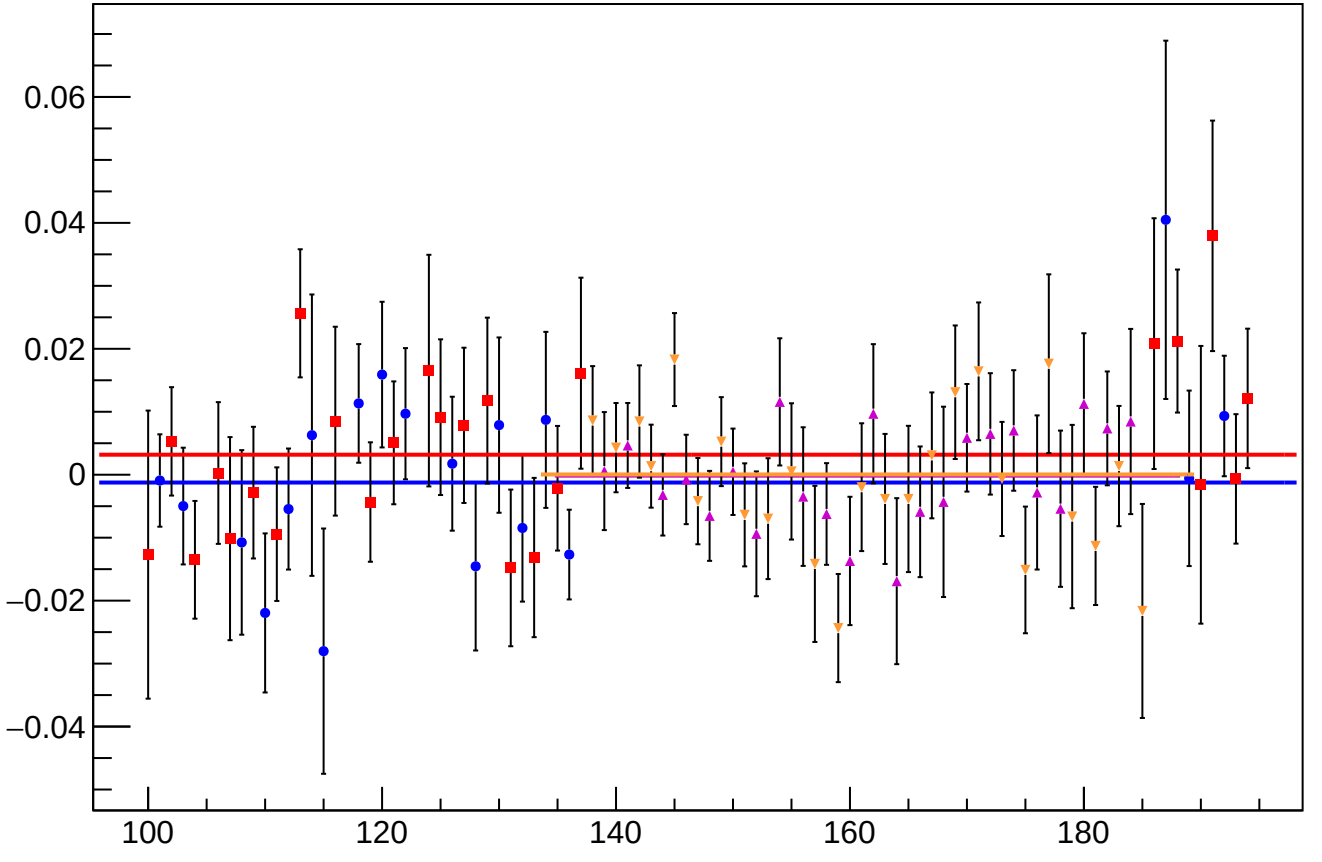
Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 884.374+/-0.120 χ^2/NDF: 1377930.1/43

All: 888.514+/-0.084 χ^2/NDF: 2752948.4/91

- sign 892.545+/-0.118 χ^2/NDF: 1372662.5/47

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: 25.7/24

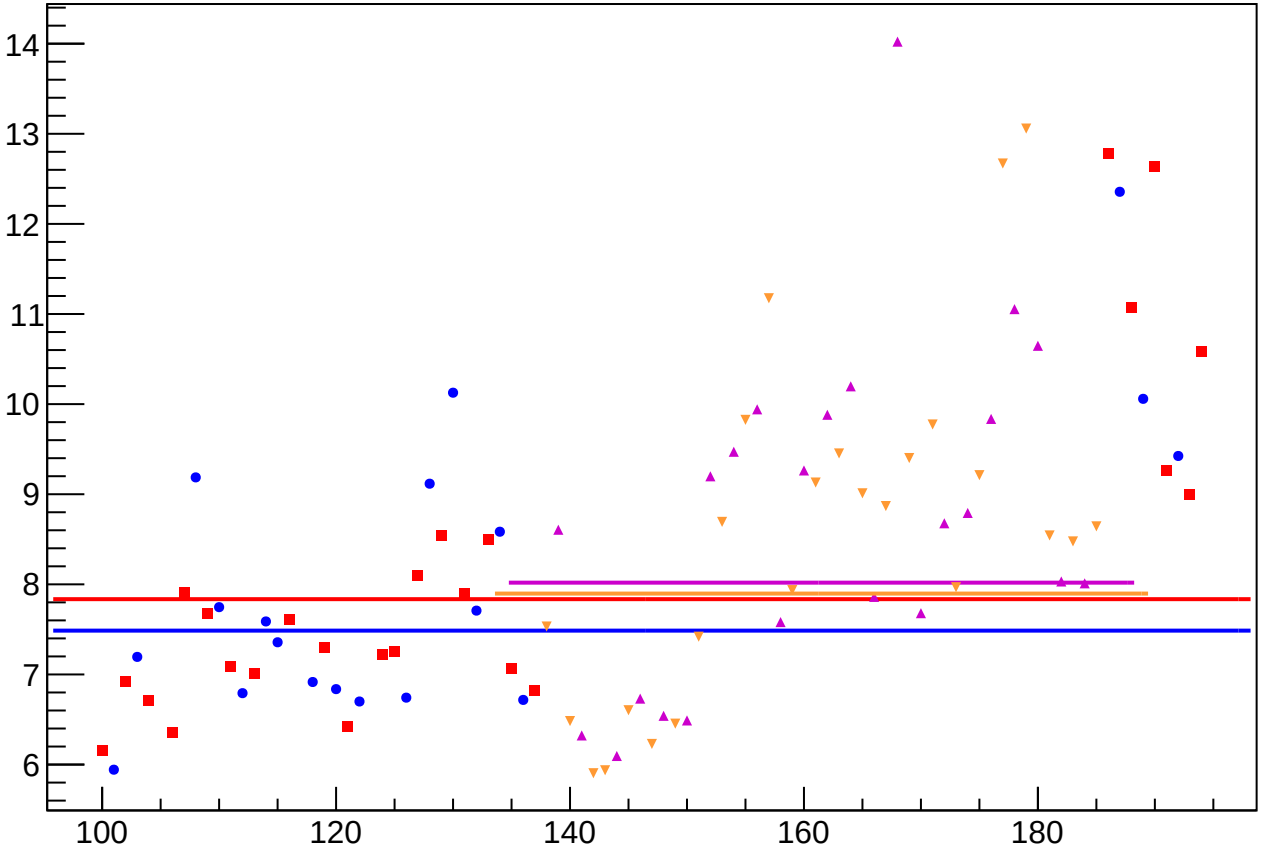
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.000+/-0.001 χ^2/NDF: 50.2/43

All: 0.000+/-0.001 χ^2/NDF: 90.4/91

- sign 0.001+/-0.001 χ^2/NDF: 39.7/47

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

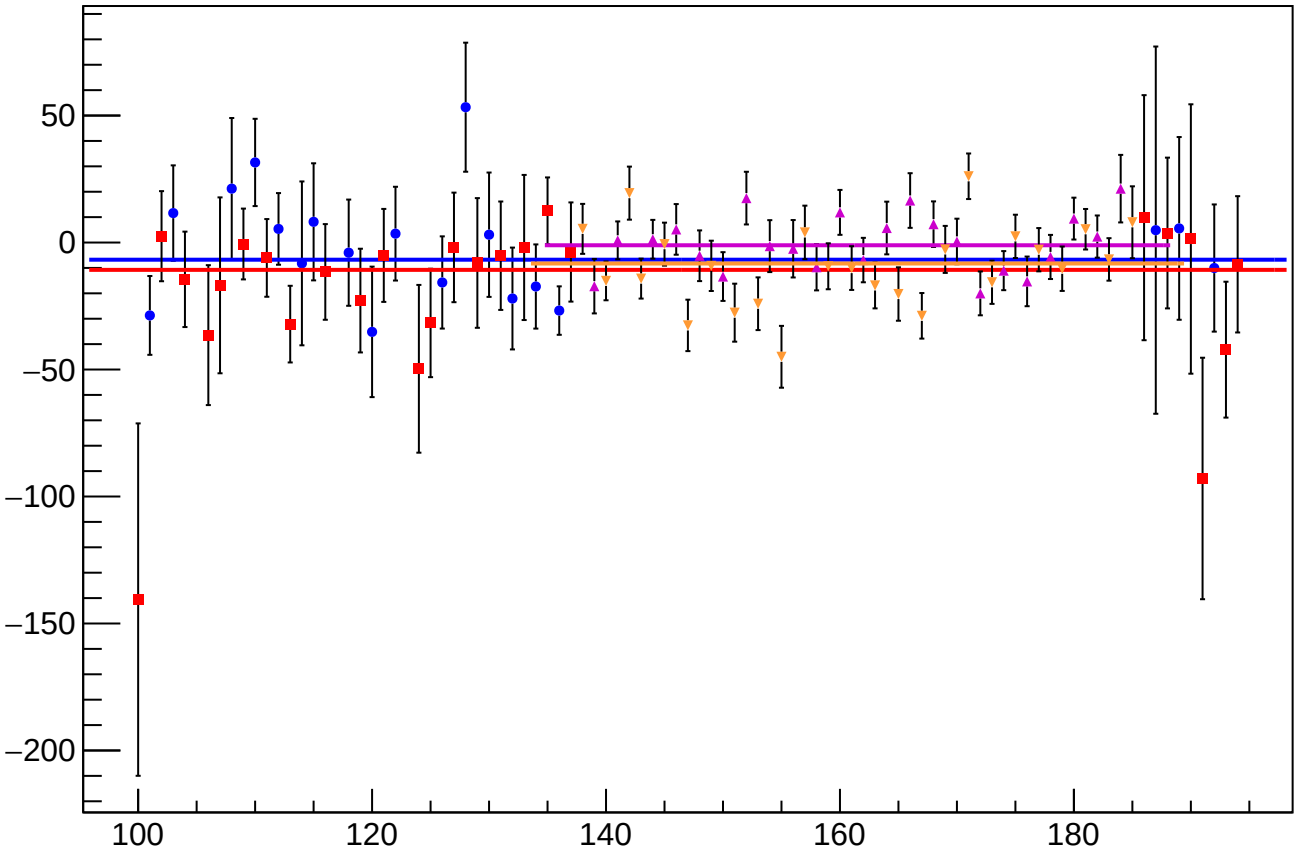
Right Out: 7.836+/-0.002 χ^2/NDF: 749299.8/24

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 7.756+/-0.001 χ^2/NDF: 2135331.7/43

All: 7.852+/-0.001 χ^2/NDF: 4363750.0/91

- sign 7.947+/-0.001 χ^2/NDF: 2212150.2/47



Right In: -6.760+/-4.377 χ^2/NDF: 23.2/18

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: -10.762+/-4.297 χ^2/NDF: 18.9/24

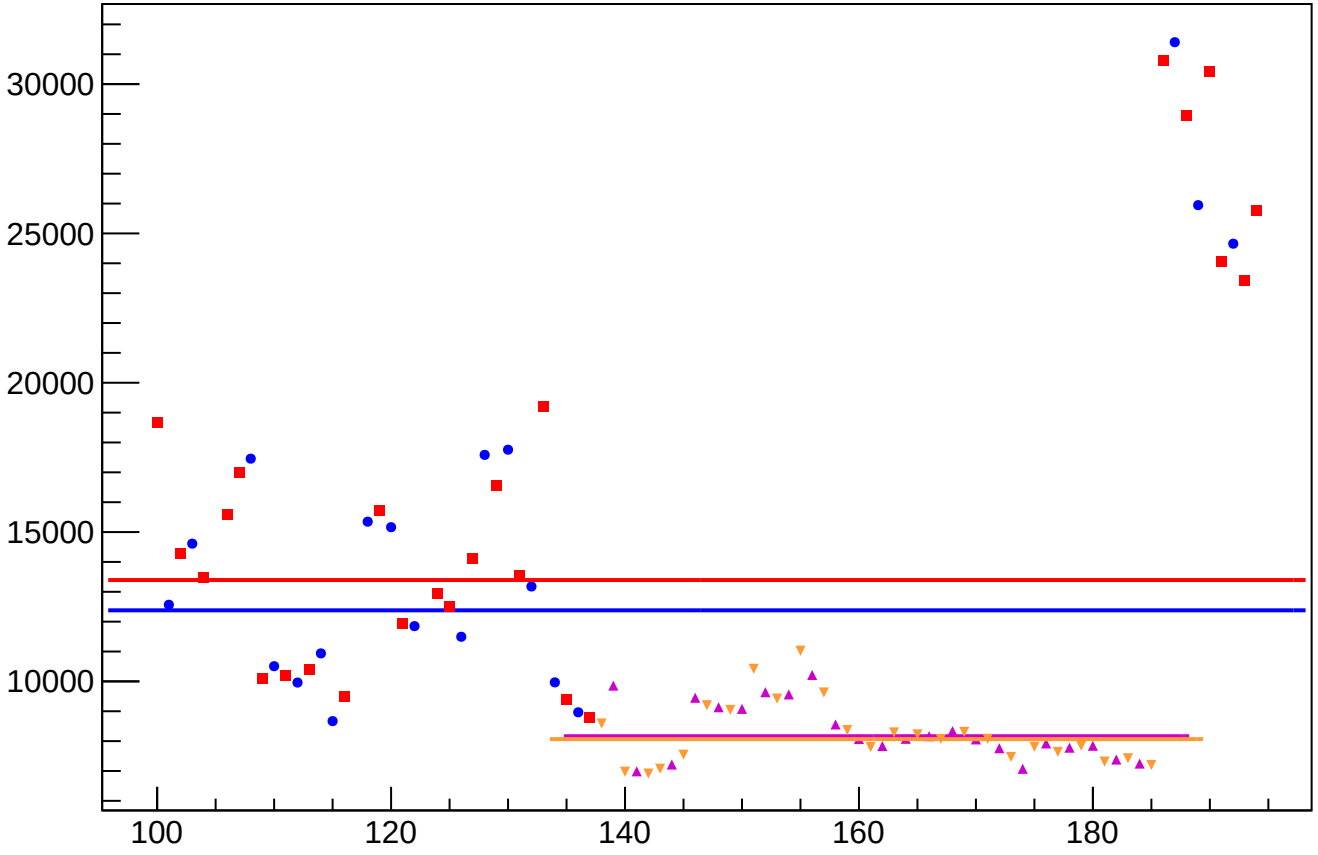
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.030+/-1.704 χ^2/NDF: 85.5/43

All: -5.435+/-1.222 χ^2/NDF: 142.2/91

- sign -2.685+/-1.754 χ^2/NDF: 52.0/47

diff_targ_positionX_rms vs Slug



Right In: 12379.561+/-3.095 χ^2/NDF: 1689609.8/18

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

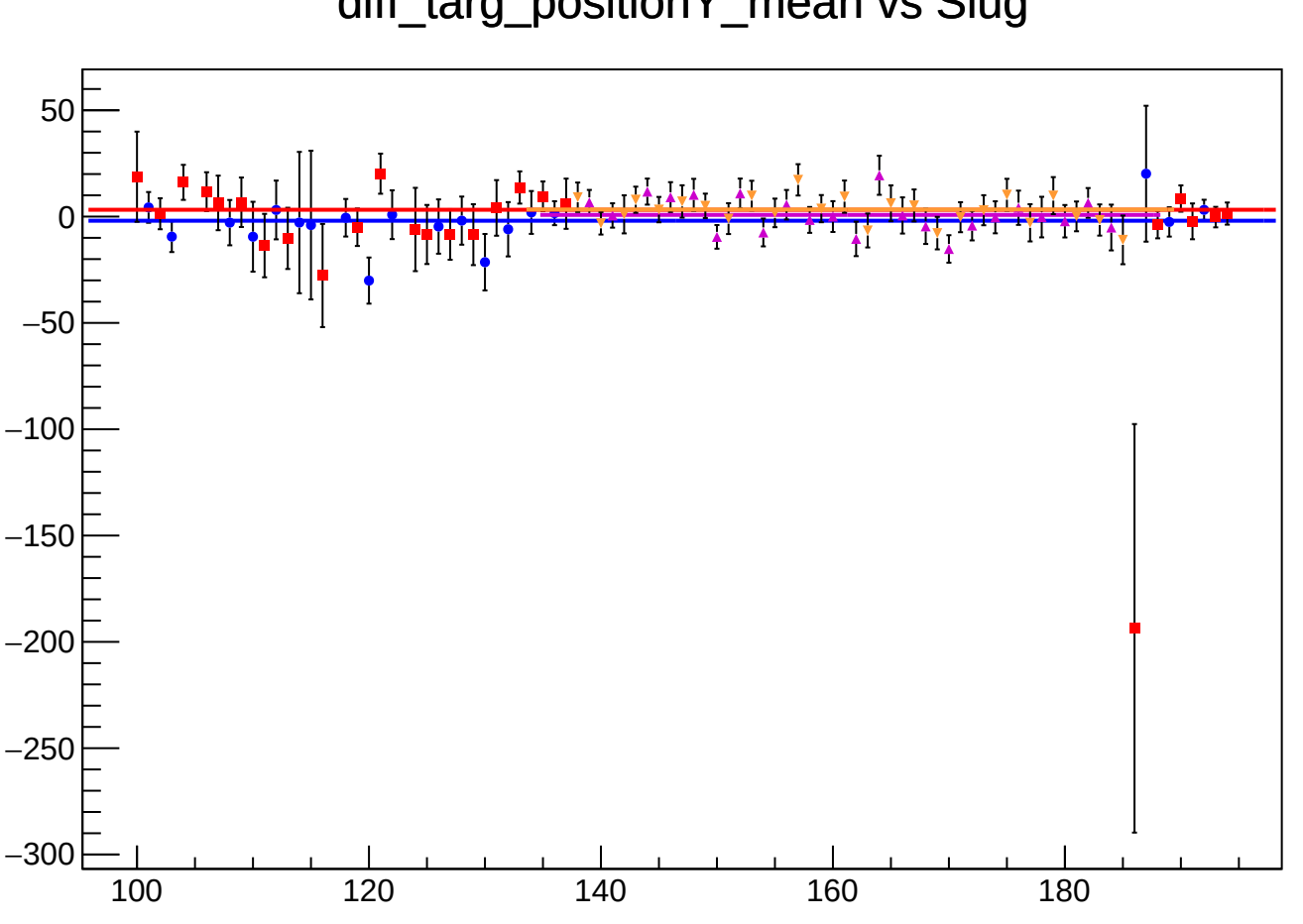
Right Out: 13393.598+/-3.039 χ^2/NDF: 2691441.3/24

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 8720.069+/-1.205 χ^2/NDF: 3835435.6/43

All: 8872.706+/-0.864 χ^2/NDF: 9461553.6/91

- sign 9034.439+/-1.240 χ^2/NDF: 5593050.5/47



Right In: -1.948+/-2.131 χ^2/NDF: 13.5/18

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

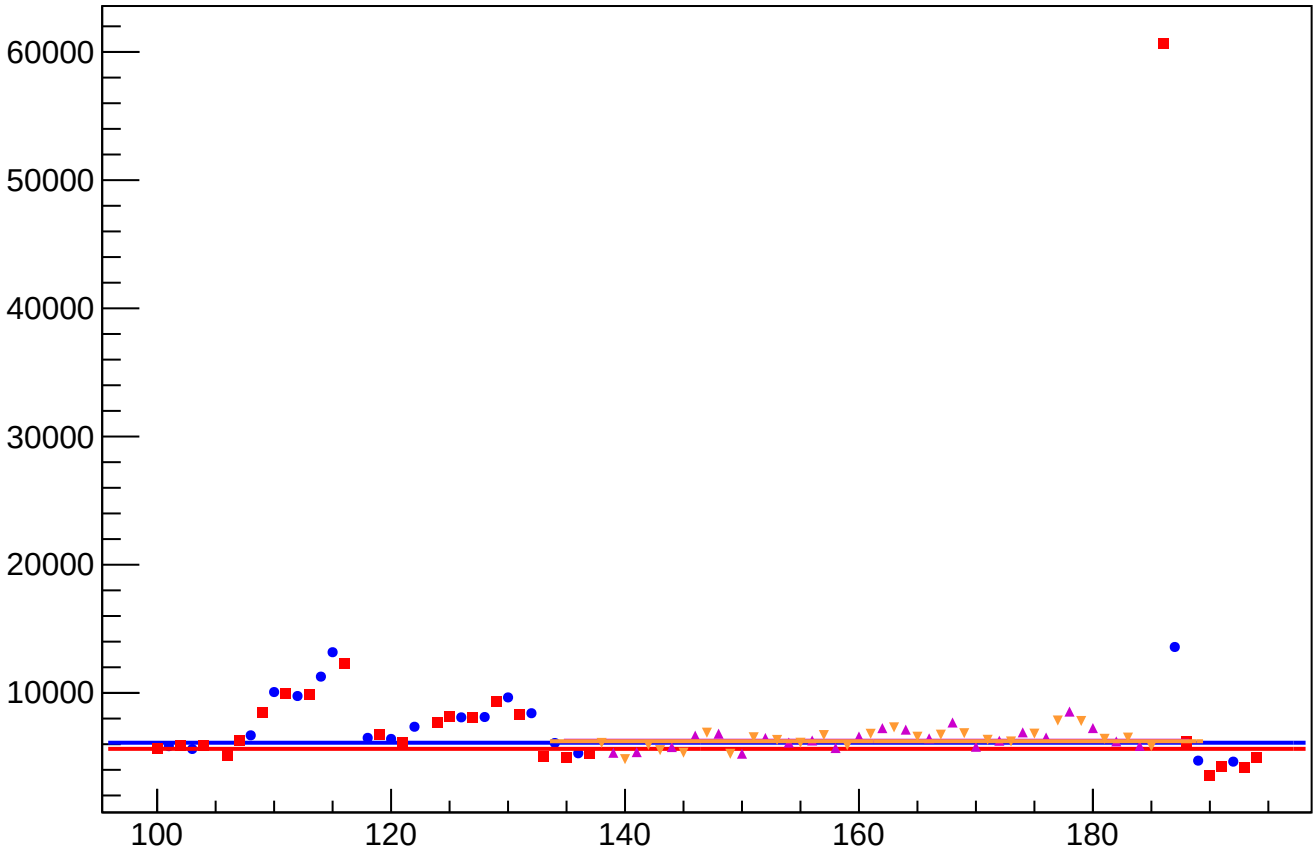
Right Out: 3.210+/-1.792 χ^2/NDF: 24.5/24

Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 1.691+/-1.188 χ^2/NDF: 34.7/43

All: 1.734+/-0.823 χ^2/NDF: 89.6/91

- sign 1.774+/-1.141 χ^2/NDF: 54.9/47



Right In: 6114.502+/-1.507 χ^2/NDF: 1175923.6/18

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5636.867+/-1.267 χ^2/NDF: 2235211.7/24

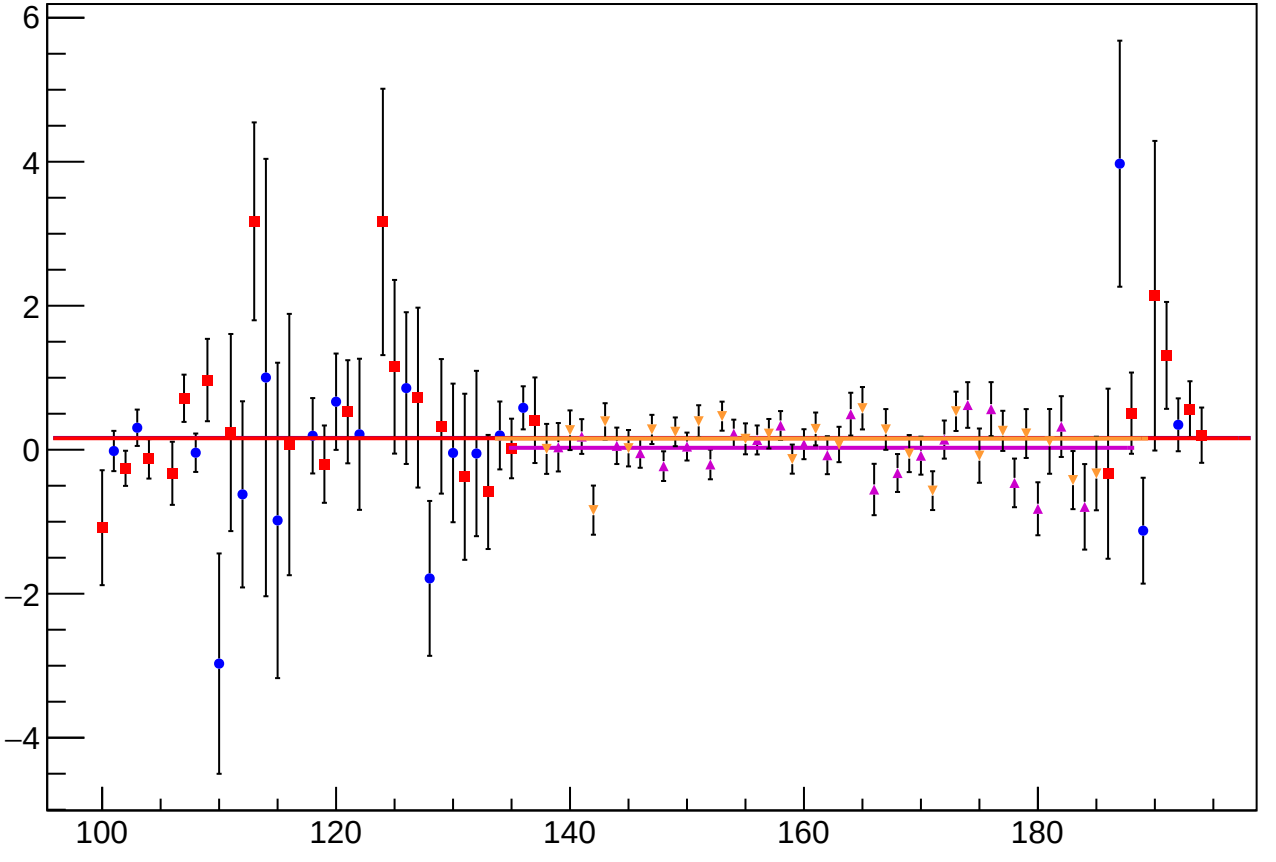
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 6194.770+/-0.840 χ^2/NDF: 1712618.1/43

All: 6100.762+/-0.582 χ^2/NDF: 4625532.2/91

- sign 6014.079+/-0.807 χ^2/NDF: 2888834.0/47

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: 0.160+/-0.106 χ^2/NDF: 27.9/24

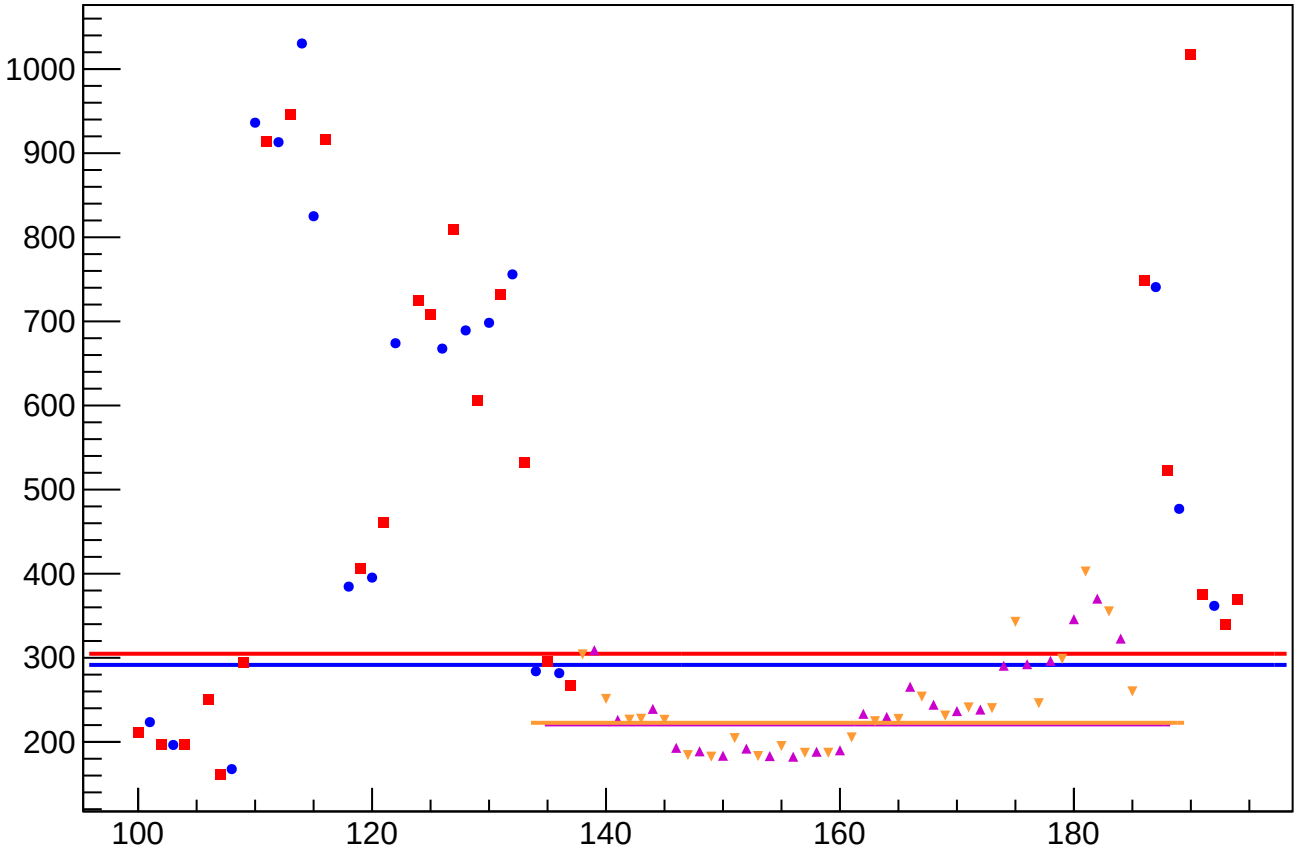
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.157+/-0.047 χ^2/NDF: 53.1/43

All: 0.105+/-0.033 χ^2/NDF: 114.5/91

- sign 0.053+/-0.047 χ^2/NDF: 59.0/47

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: 304.821+/-0.075 χ^2/NDF: 4570266.8/24

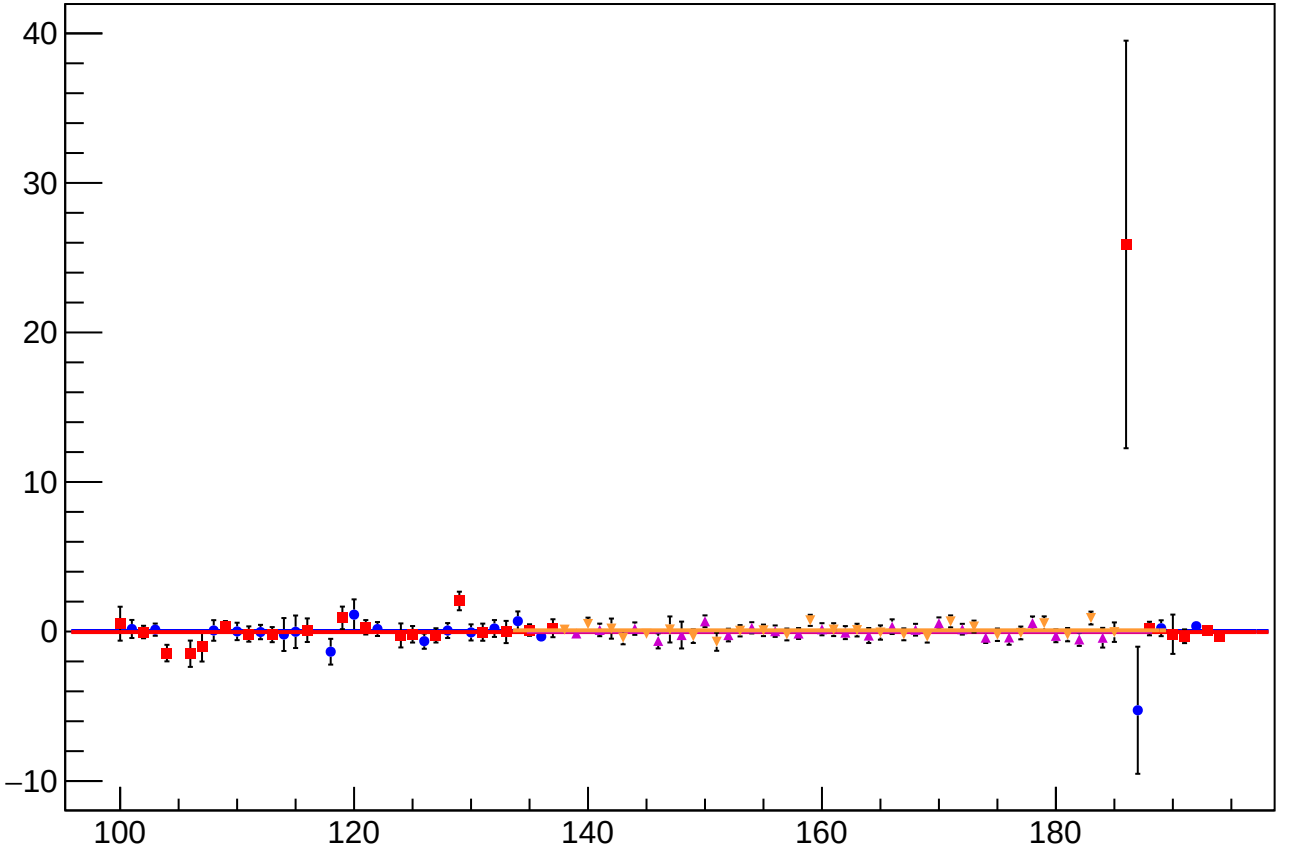
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 234.877+/-0.033 χ^2/NDF: 5890852.1/43

All: 236.233+/-0.024 χ^2/NDF: 12942285.3/91

- sign 237.605+/-0.034 χ^2/NDF: 7048098.0/47

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: -0.037+/-0.101 χ^2/NDF: 30.8/24

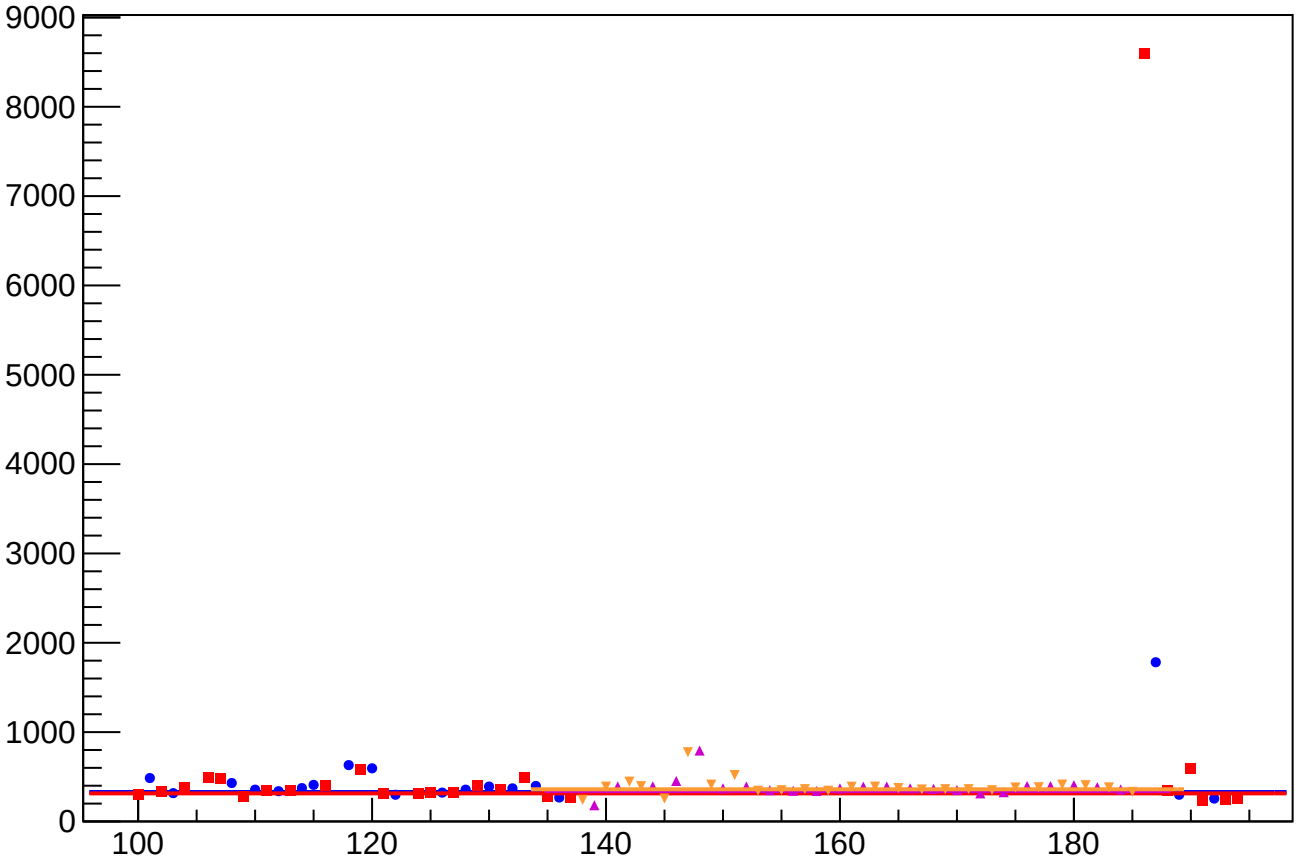
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.064+/-0.068 χ^2/NDF: 30.9/43

All: 0.019+/-0.047 χ^2/NDF: 77.7/91

- sign -0.020+/-0.064 χ^2/NDF: 46.1/47

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

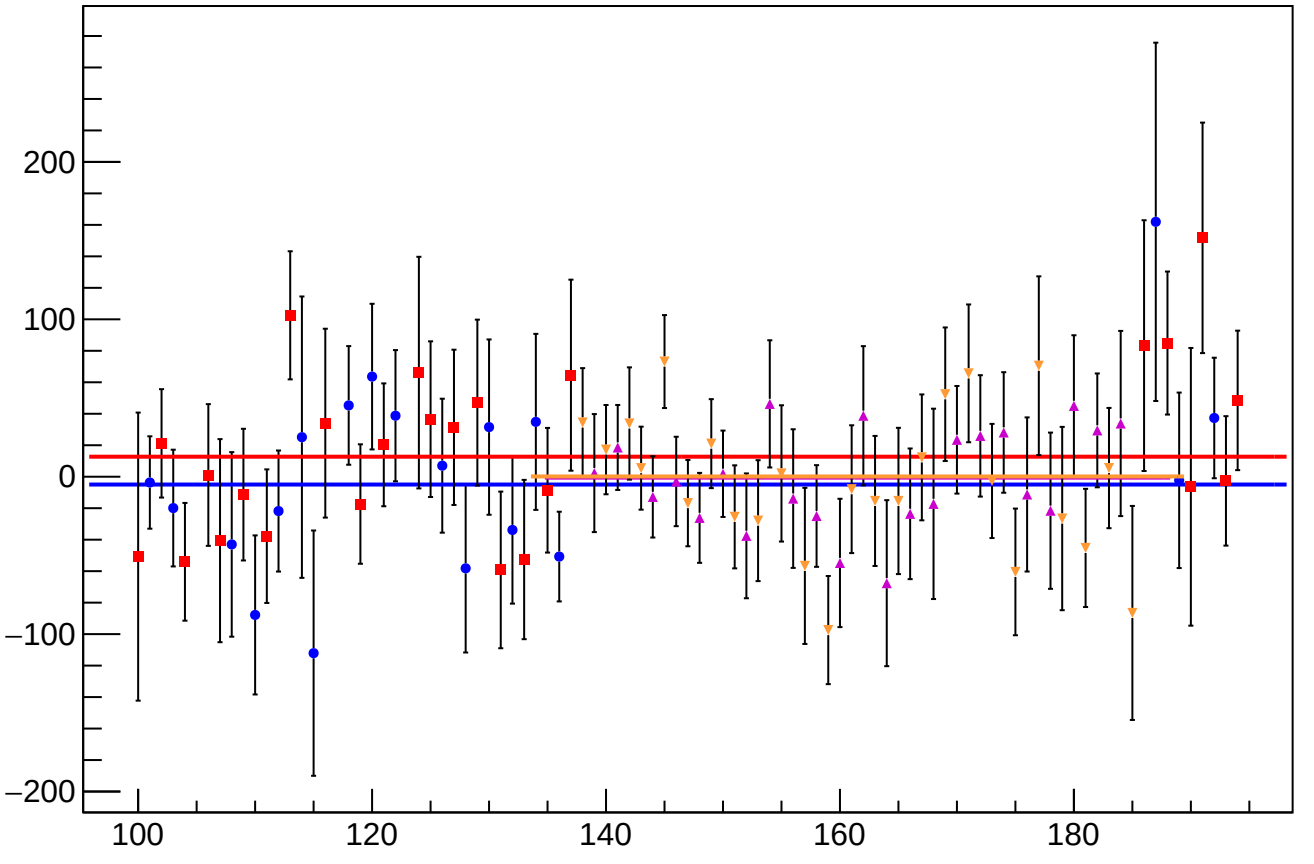
Right Out: 314.246+/-0.072 χ^2/NDF: 1792334.5/24

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 349.514+/-0.048 χ^2/NDF: 2574083.1/43

All: 339.008+/-0.033 χ^2/NDF: 6758365.2/91

- sign 329.714+/-0.045 χ^2/NDF: 4094881.3/47



Right In: -4.967+/-10.208 χ^2/NDF: 18.9/18

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: 12.718+/-9.579 χ^2/NDF: 25.7/24

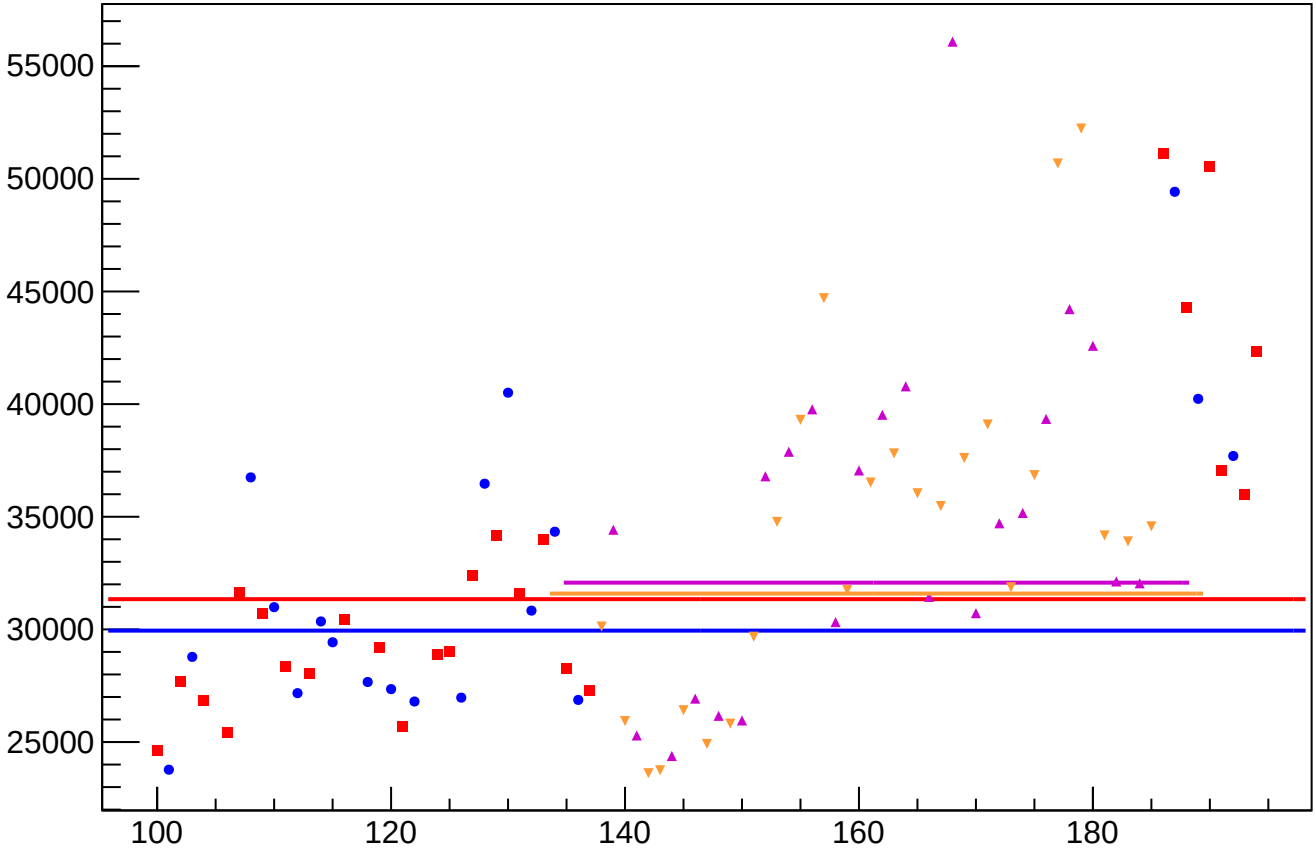
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

\+ sign -1.593+/-5.978 χ^2/NDF: 50.2/43

All: 1.503+/-4.230 χ^2/NDF: 90.4/91

\- sign 4.608+/-5.986 χ^2/NDF: 39.7/47

diff_bpmE_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

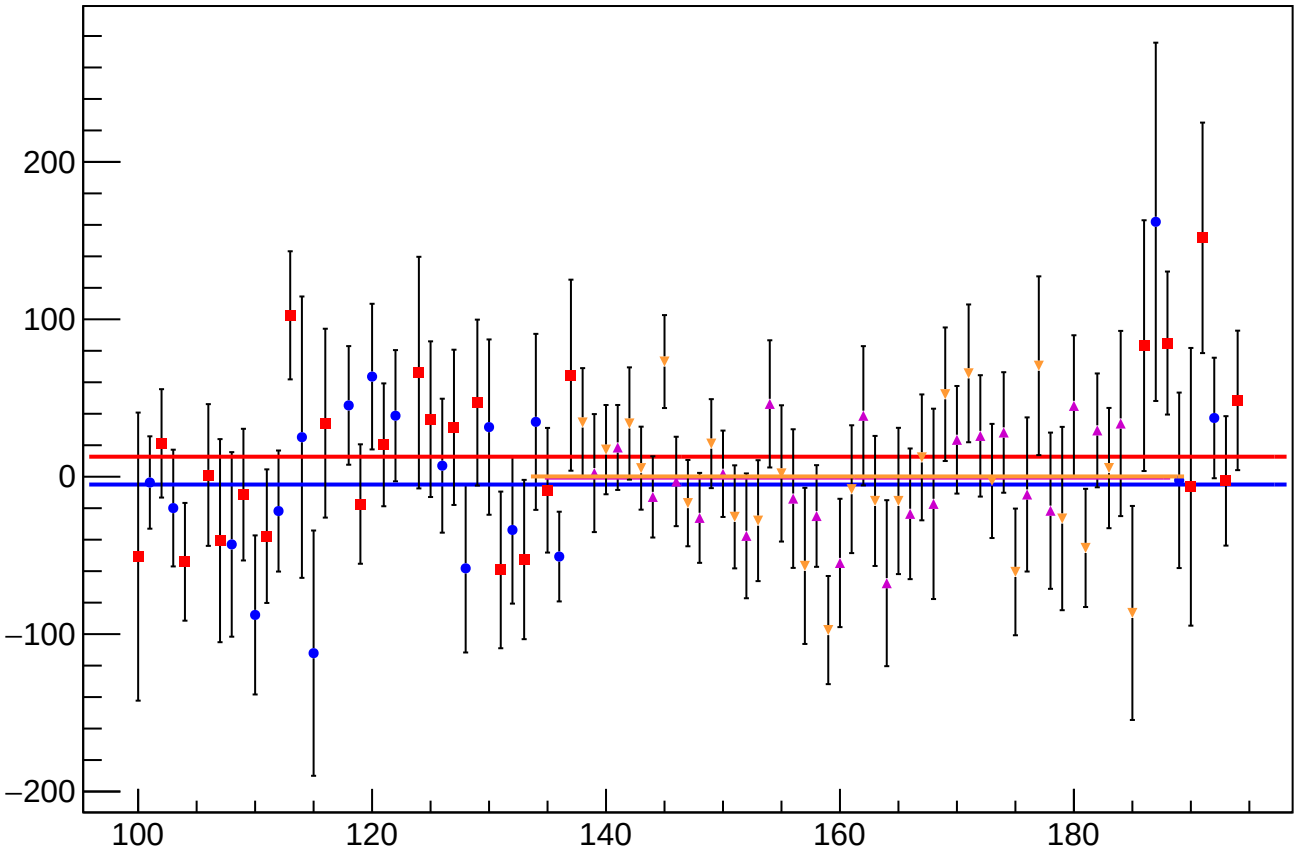
Right Out: 31342.184+/-6.774 χ^2/NDF: 749299.8/24

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 31025.951+/-4.227 χ^2/NDF: 2135331.7/43

All: 31406.924+/-2.991 χ^2/NDF: 4363750.0/9

- sign 31788.916+/-4.233 χ^2/NDF: 2212150.2/47



Right In: -4.967+/-10.208 χ^2/NDF: 18.9/18

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

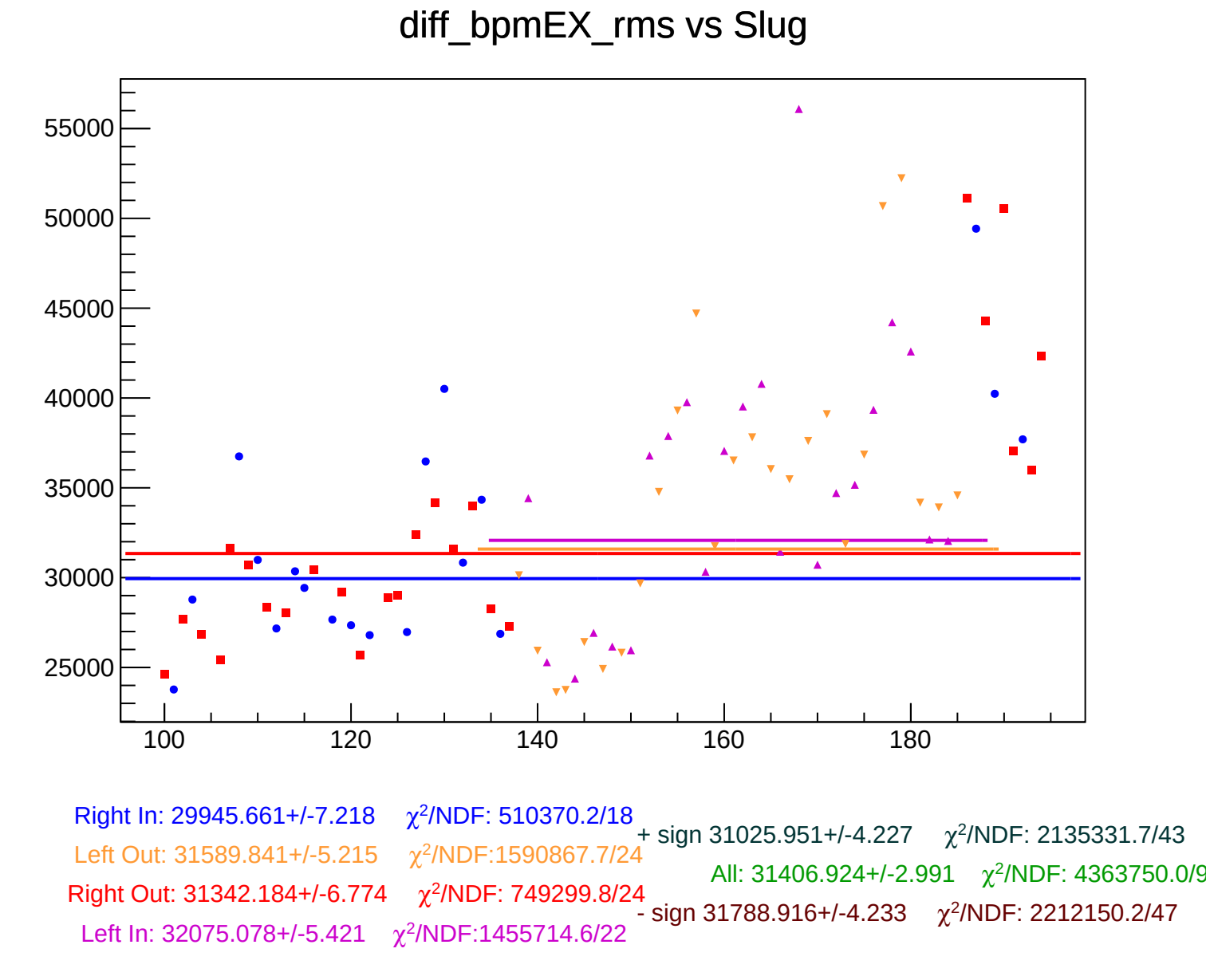
Right Out: 12.718+/-9.579 χ^2/NDF: 25.7/24

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

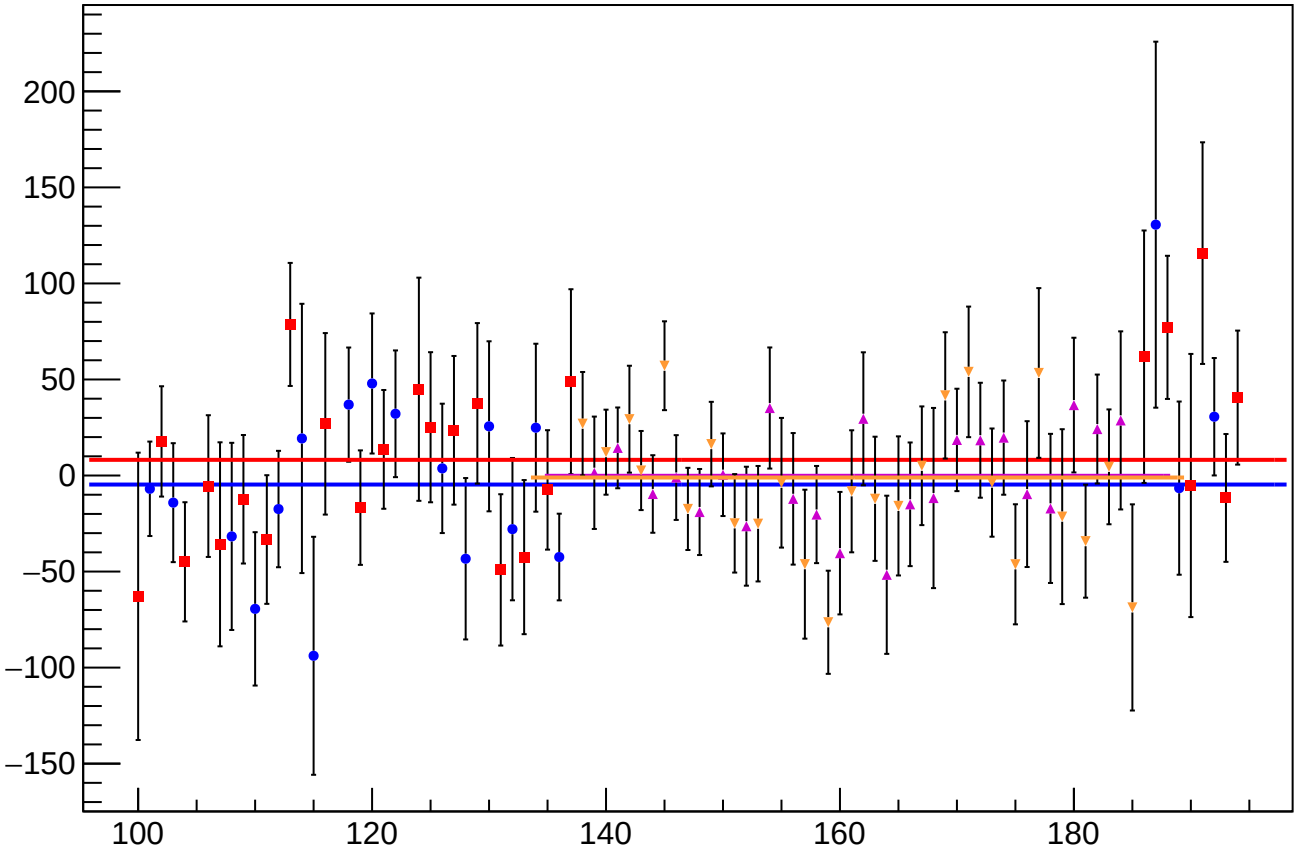
\+ sign -1.593+/-5.978 χ^2/NDF: 50.2/43

All: 1.503+/-4.230 χ^2/NDF: 90.4/91

\- sign 4.608+/-5.986 χ^2/NDF: 39.7/47


diff_bpmEX_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: 31342.184+/-6.774 χ²/NDF: 749299.8/24
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 31025.951+/-4.227 χ²/NDF: 2135331.7/43
All: 31406.924+/-2.991 χ²/NDF: 4363750.0/9
- sign 31788.916+/-4.233 χ²/NDF: 2212150.2/47

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

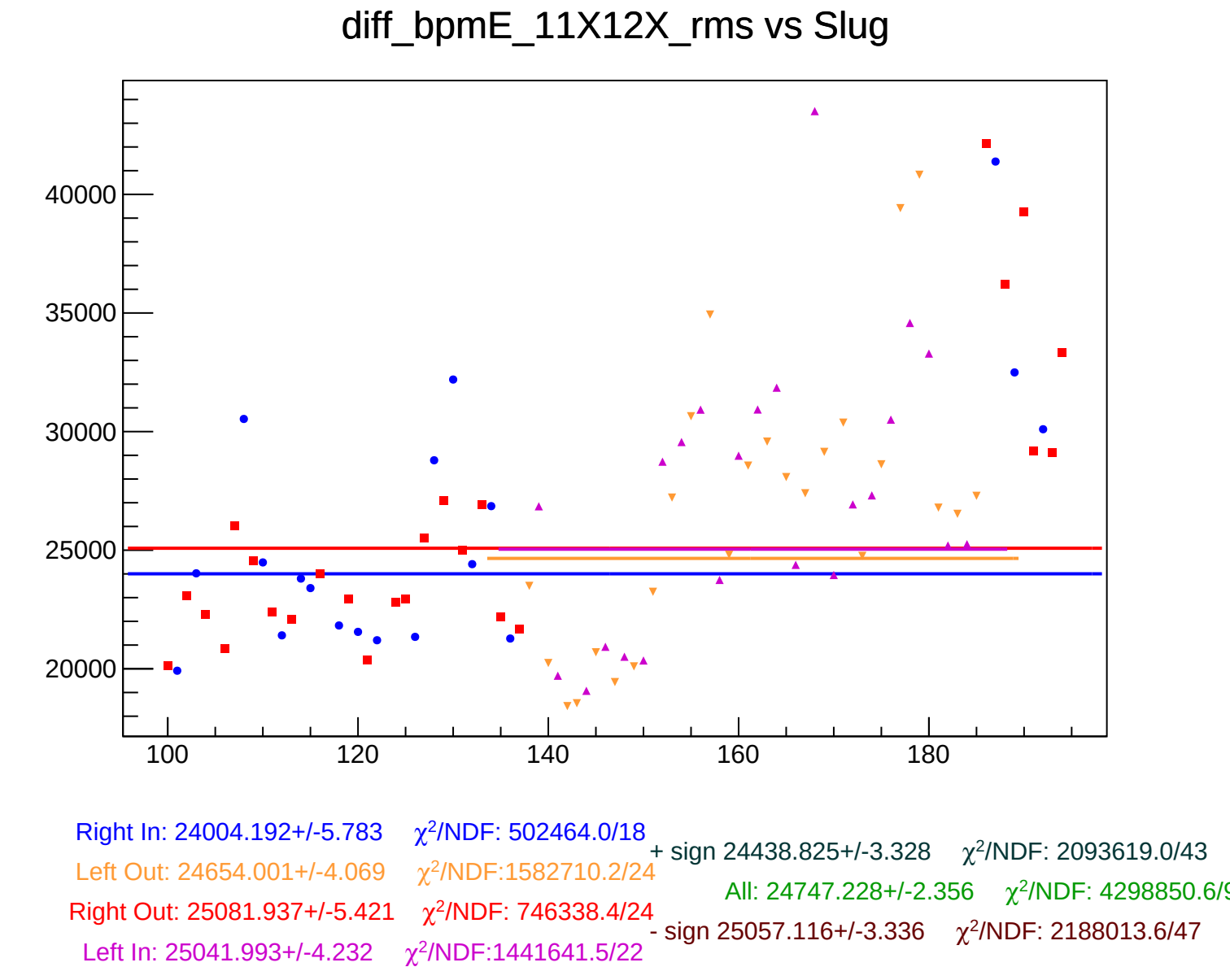
Right Out: 8.160+/-7.667 χ^2/NDF: 27.2/24

Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

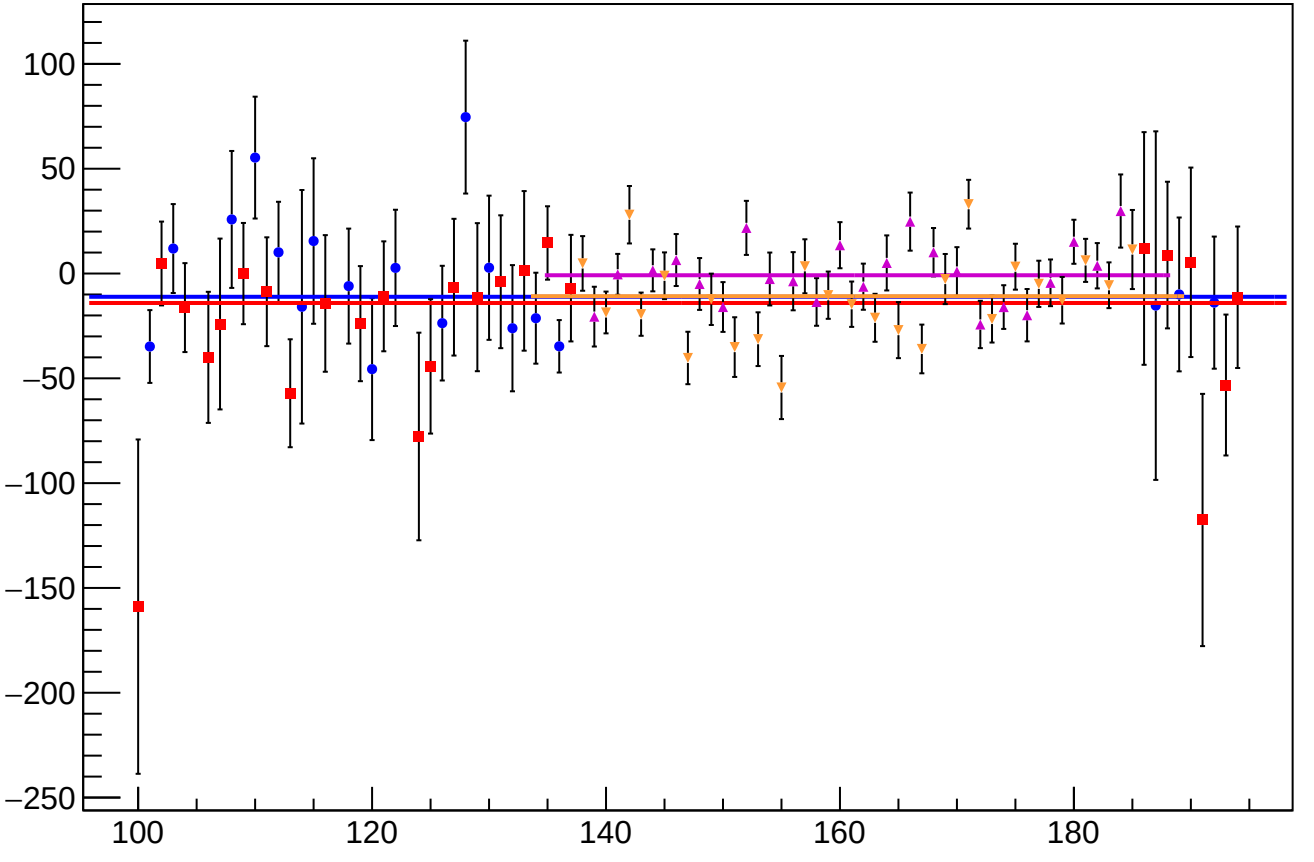
+ sign -2.253+/-4.706 χ^2/NDF: 51.5/43

All: 0.366+/-3.332 χ^2/NDF: 92.2/91

- sign 2.998+/-4.718 χ^2/NDF: 40.0/47


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: 25081.937+/-5.421 χ²/NDF: 746338.4/24
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
+ sign 24438.825+/-3.328 χ²/NDF: 2093619.0/43
All: 24747.228+/-2.356 χ²/NDF: 4298850.6/9
- sign 25057.116+/-3.336 χ²/NDF: 2188013.6/47

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

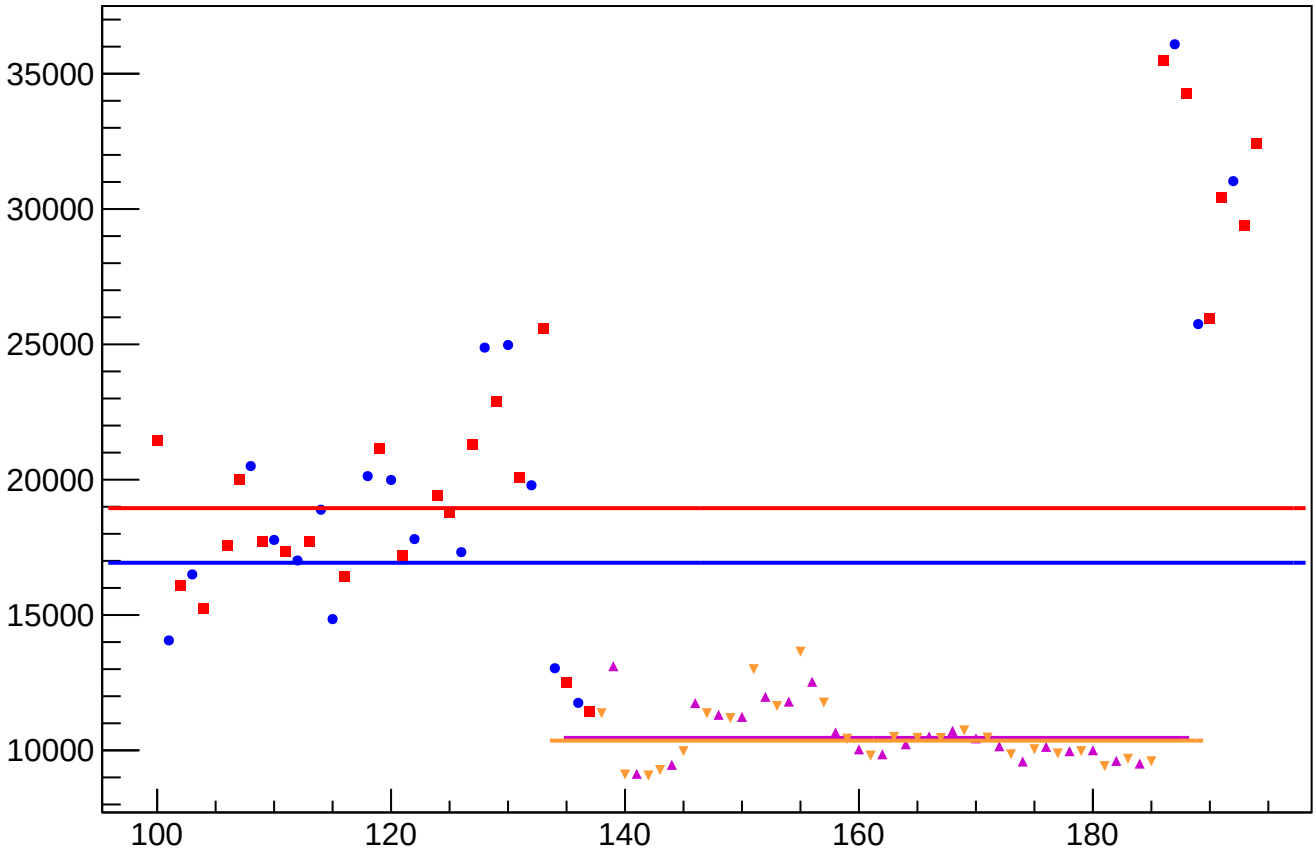
Right Out: -14.057+/-5.952 χ^2/NDF: 19.0/24

Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -10.860+/-2.202 χ^2/NDF: 83.3/43

All: -6.932+/-1.581 χ^2/NDF: 142.5/91

- sign -2.752+/-2.271 χ^2/NDF: 52.7/47



Right In: 16930.925+/-4.204 χ^2/NDF: 1386606.5/18

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 18948.623+/-4.209 χ^2/NDF: 1898602.8/24

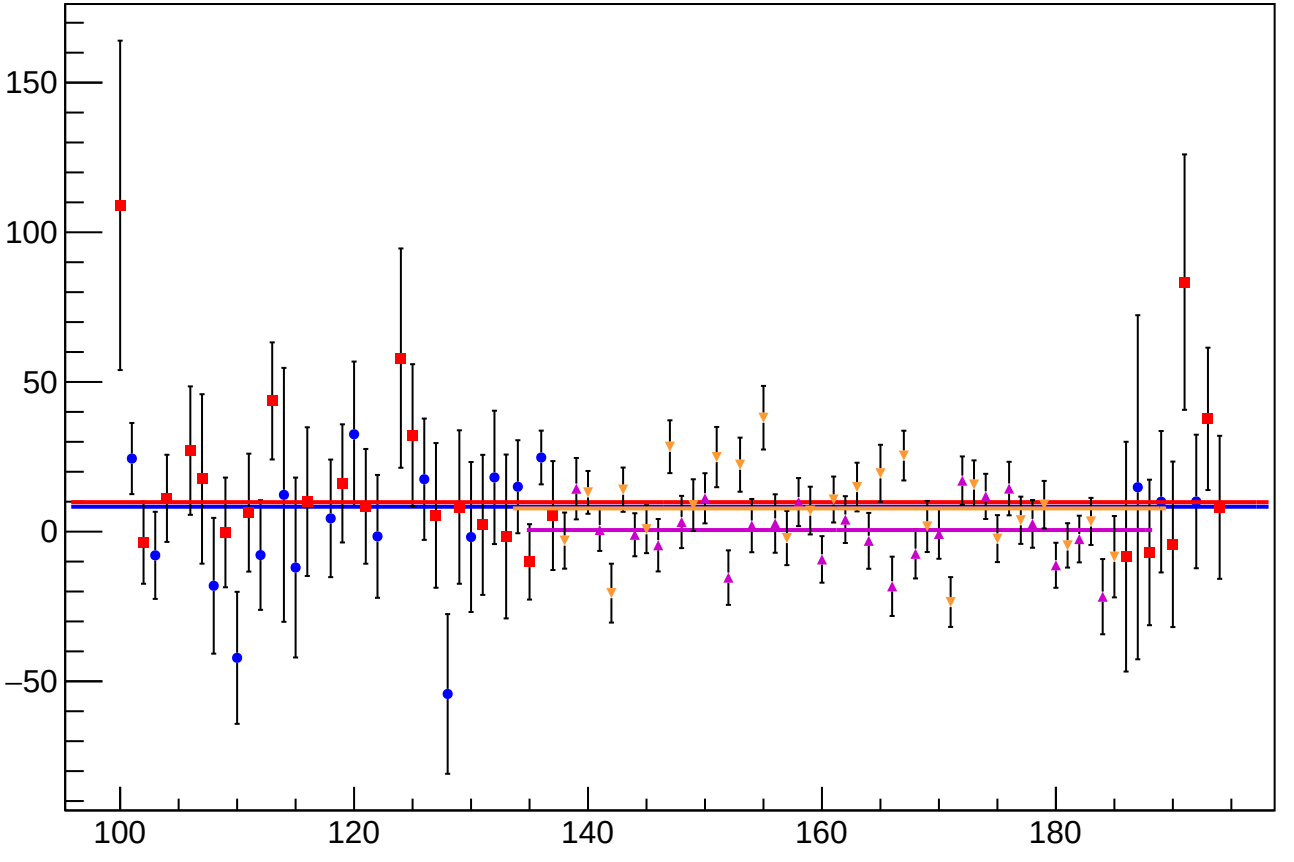
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11259.818+/-1.557 χ^2/NDF: 3858722.5/43

All: 11470.648+/-1.118 χ^2/NDF: 9585814.5/9

- sign 11694.968+/-1.606 χ^2/NDF: 5689243.8/47

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: 9.849+/-4.269 χ^2/NDF: 19.2/24

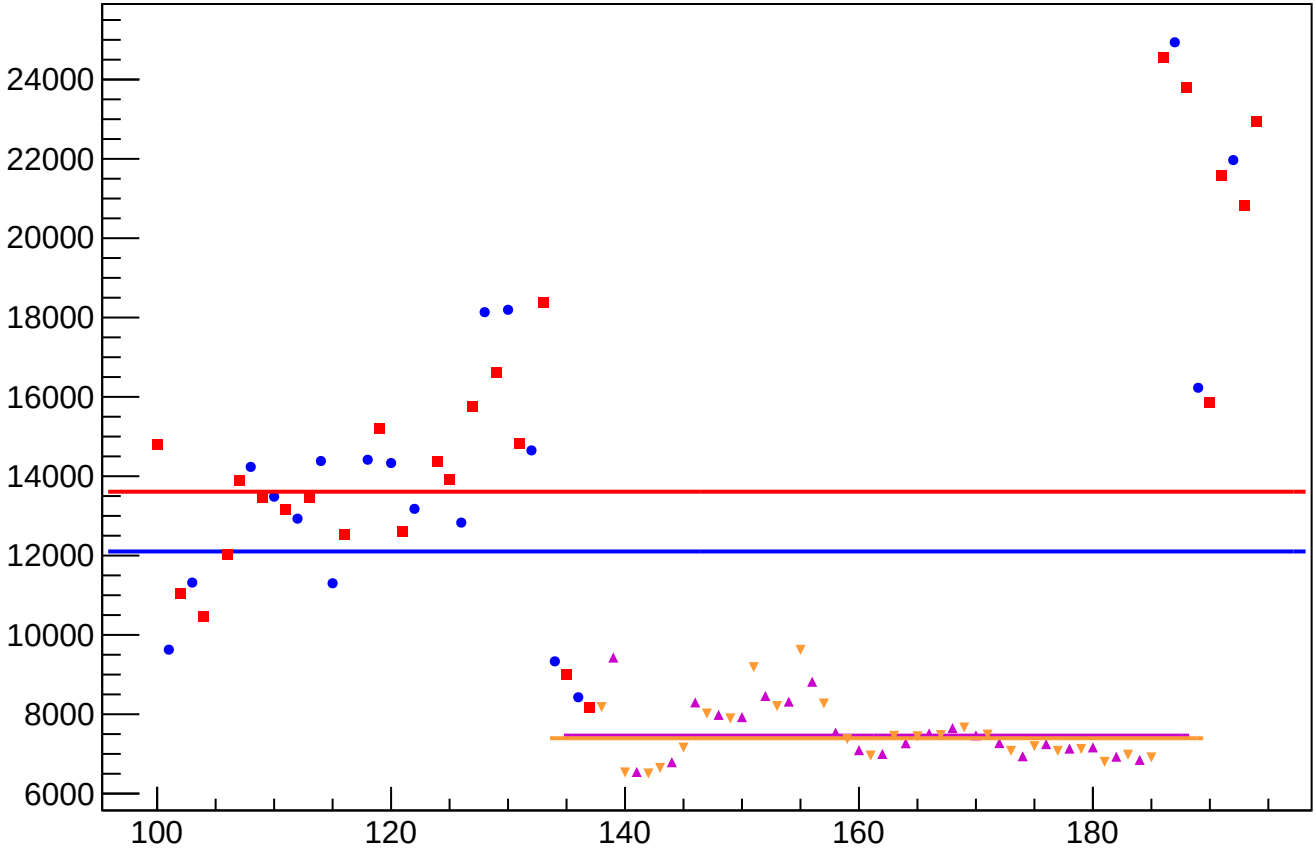
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 7.839+/-1.572 χ^2/NDF: 82.8/43

All: 4.948+/-1.128 χ^2/NDF: 142.5/91

- sign 1.875+/-1.621 χ^2/NDF: 52.7/47

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: 13609.644+/-3.019 χ^2/NDF: 1844306.9/24

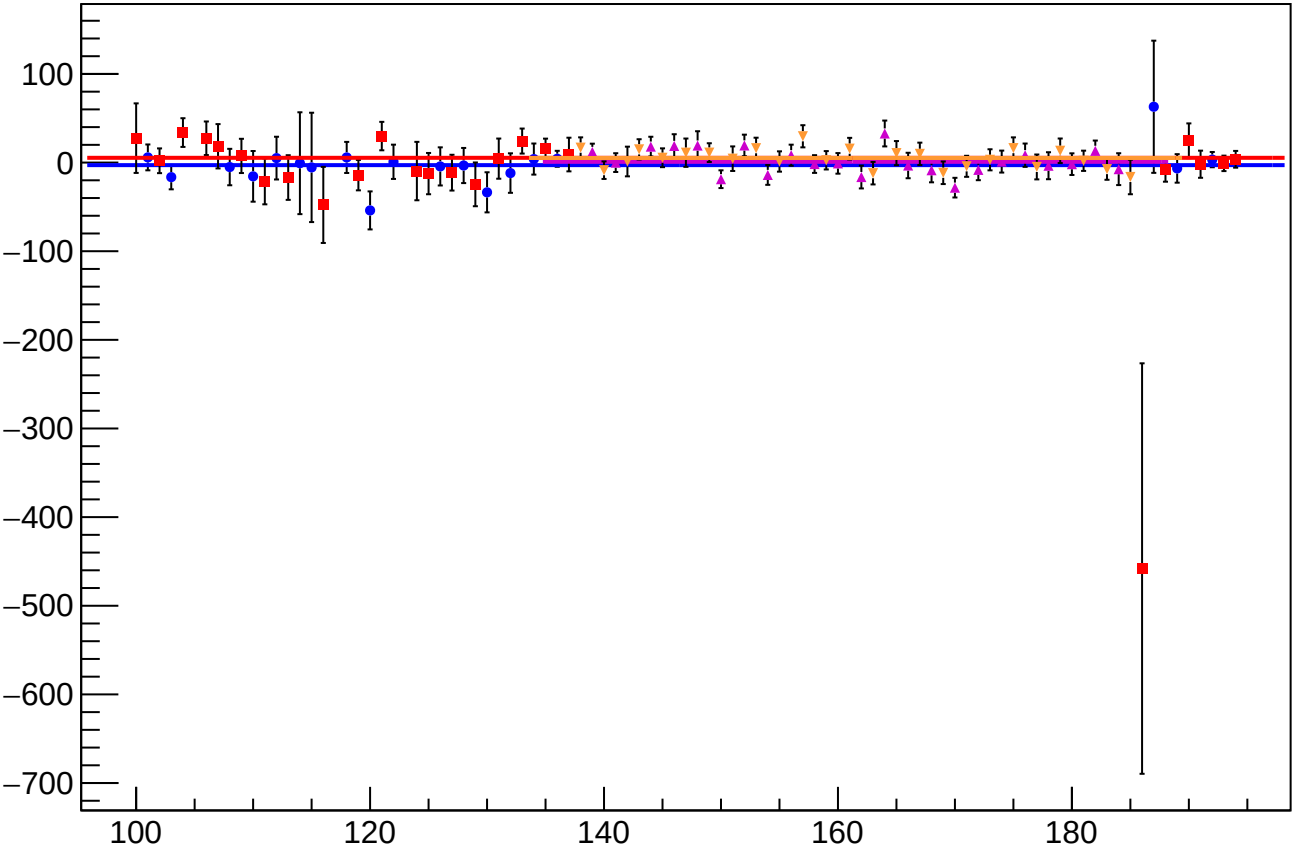
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8037.996+/-1.111 χ^2/NDF: 3817950.3/43

All: 8187.757+/-0.798 χ^2/NDF: 9534257.1/91

- sign 8346.993+/-1.146 χ^2/NDF: 5678847.1/47

diff_bpm4aesumY_mean vs Slug



Right In: -2.886+/-3.900 χ^2/NDF: 11.7/18

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 5.376+/-3.361 χ^2/NDF: 24.4/24

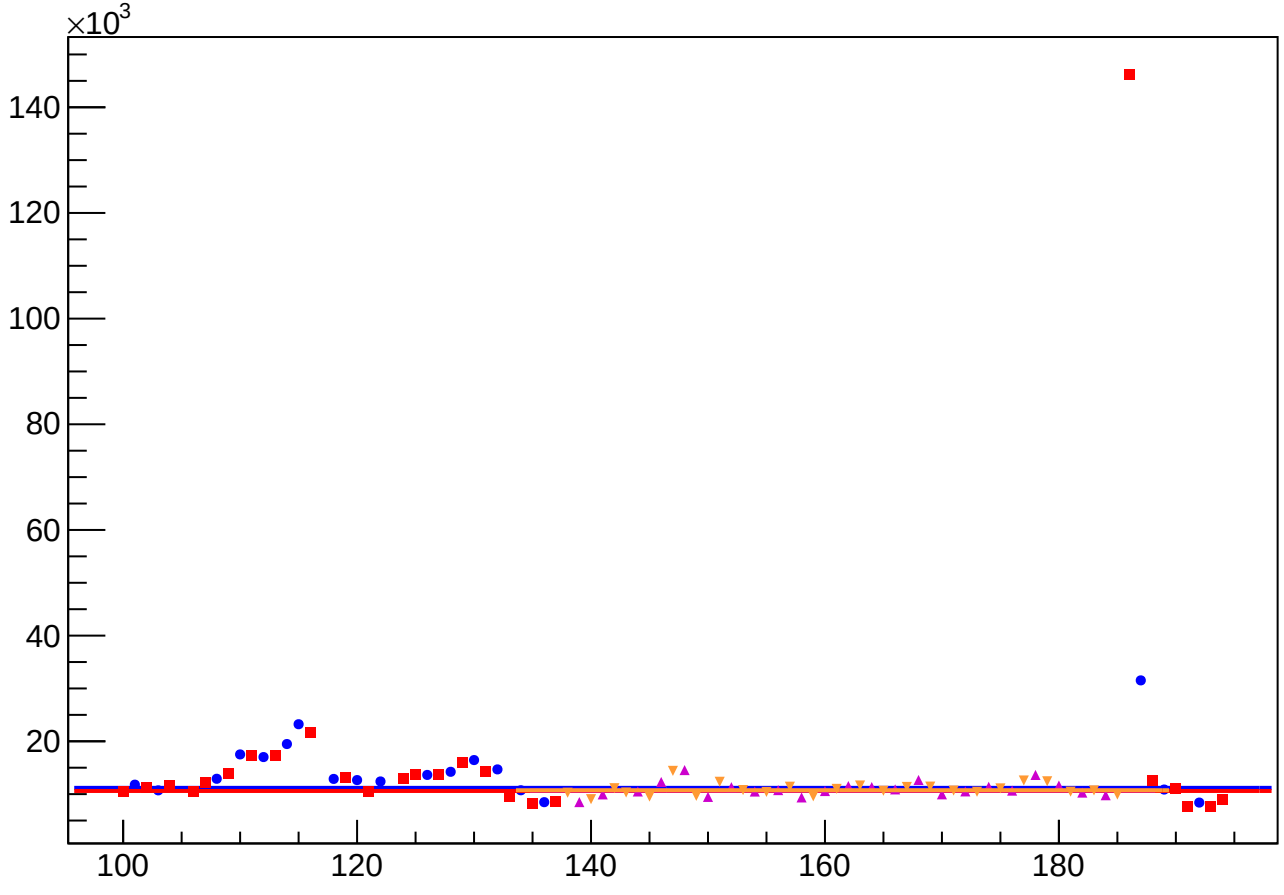
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

\+ sign 2.883+/-2.080 χ^2/NDF: 33.2/43

All: 2.688+/-1.447 χ^2/NDF: 90.6/91

\- sign 2.504+/-2.015 χ^2/NDF: 57.4/47

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: 10596.613+/-2.376 χ^2/NDF: 1988329.1/24

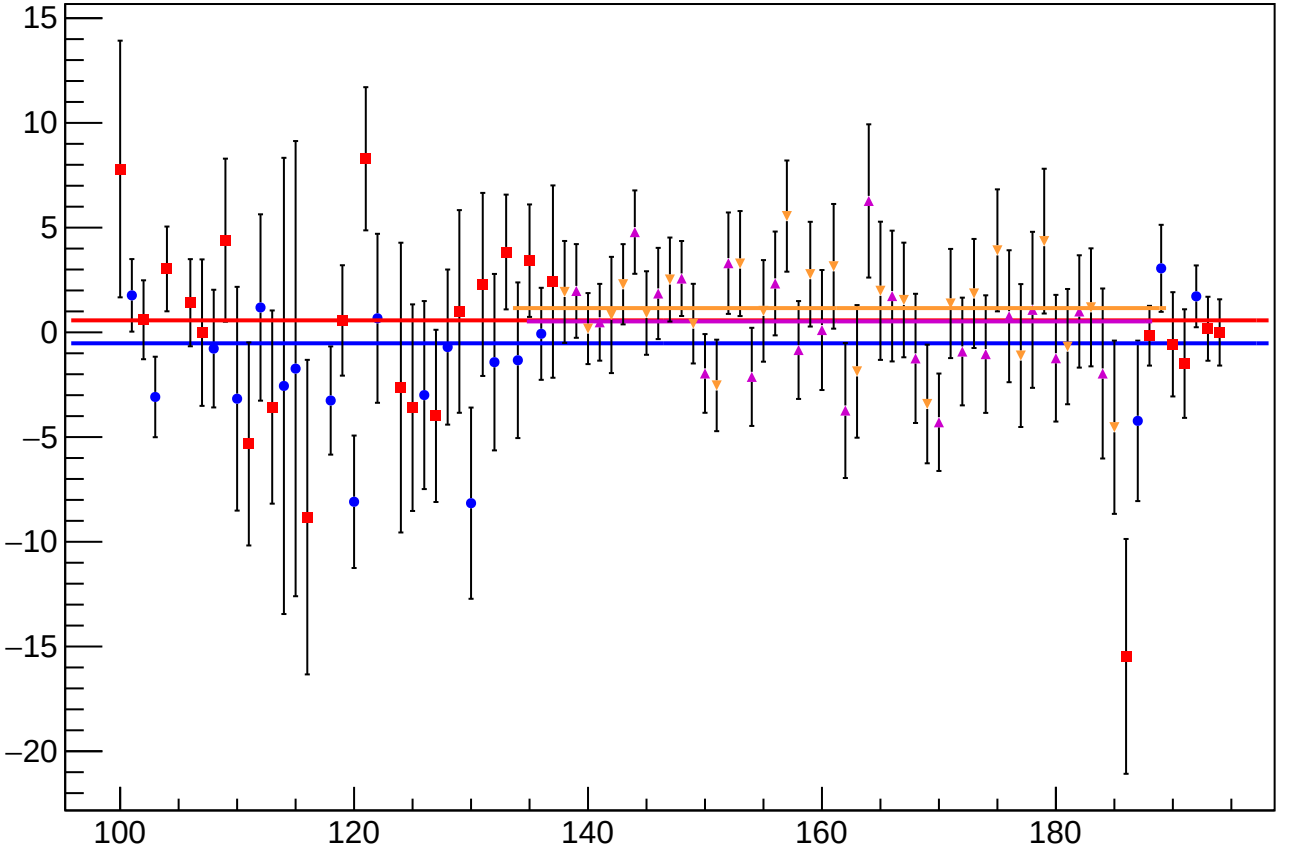
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10862.418+/-1.471 χ^2/NDF: 1548204.9/43

All: 10751.931+/-1.023 χ^2/NDF: 4048787.1/9

- sign 10648.189+/-1.425 χ^2/NDF: 2489639.0/47

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: 0.572+/-0.537 χ^2/NDF: 27.5/24

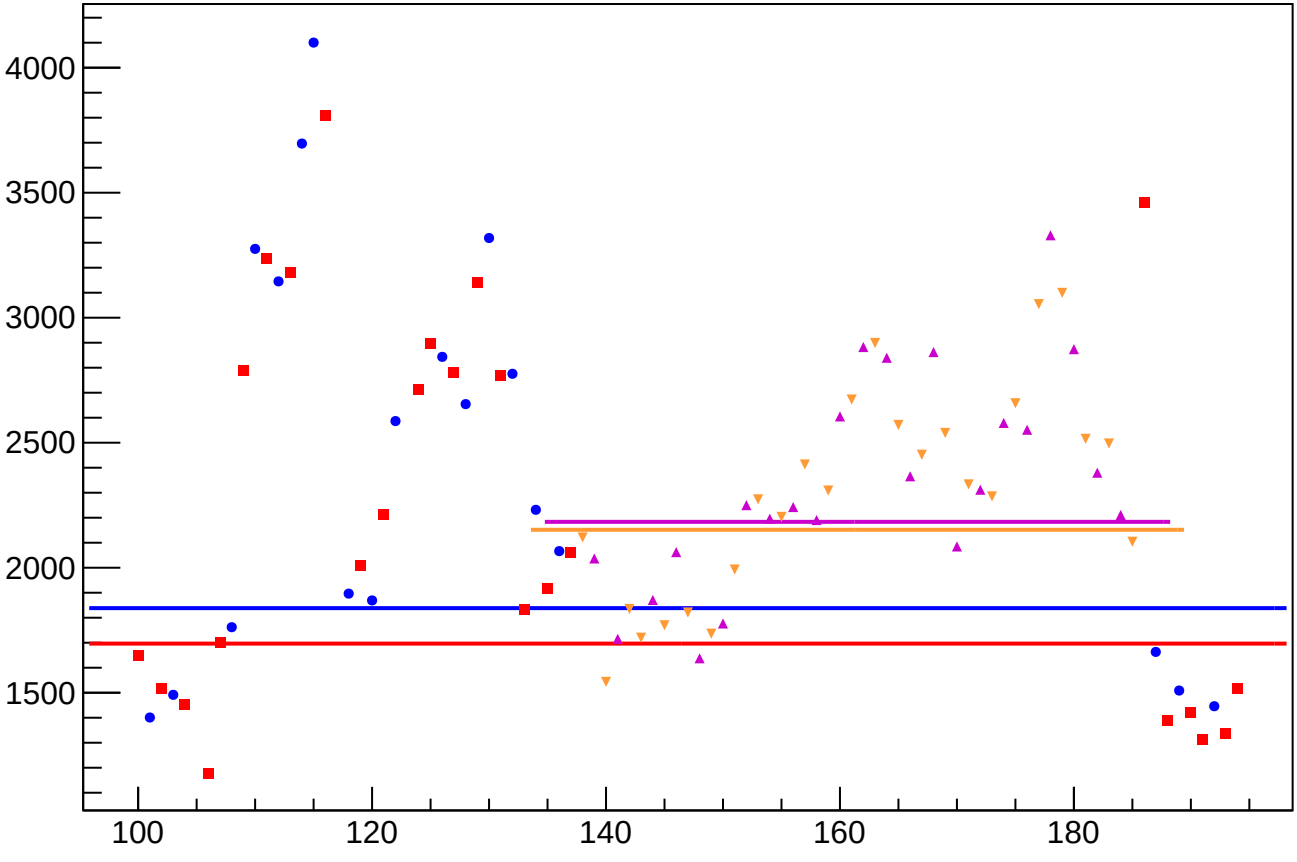
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.526+/-0.395 χ^2/NDF: 41.4/43

All: 0.537+/-0.271 χ^2/NDF: 91.3/91

- sign 0.546+/-0.374 χ^2/NDF: 49.8/47

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: 1696.490+/-0.380 χ^2/NDF: 2096965.6/24

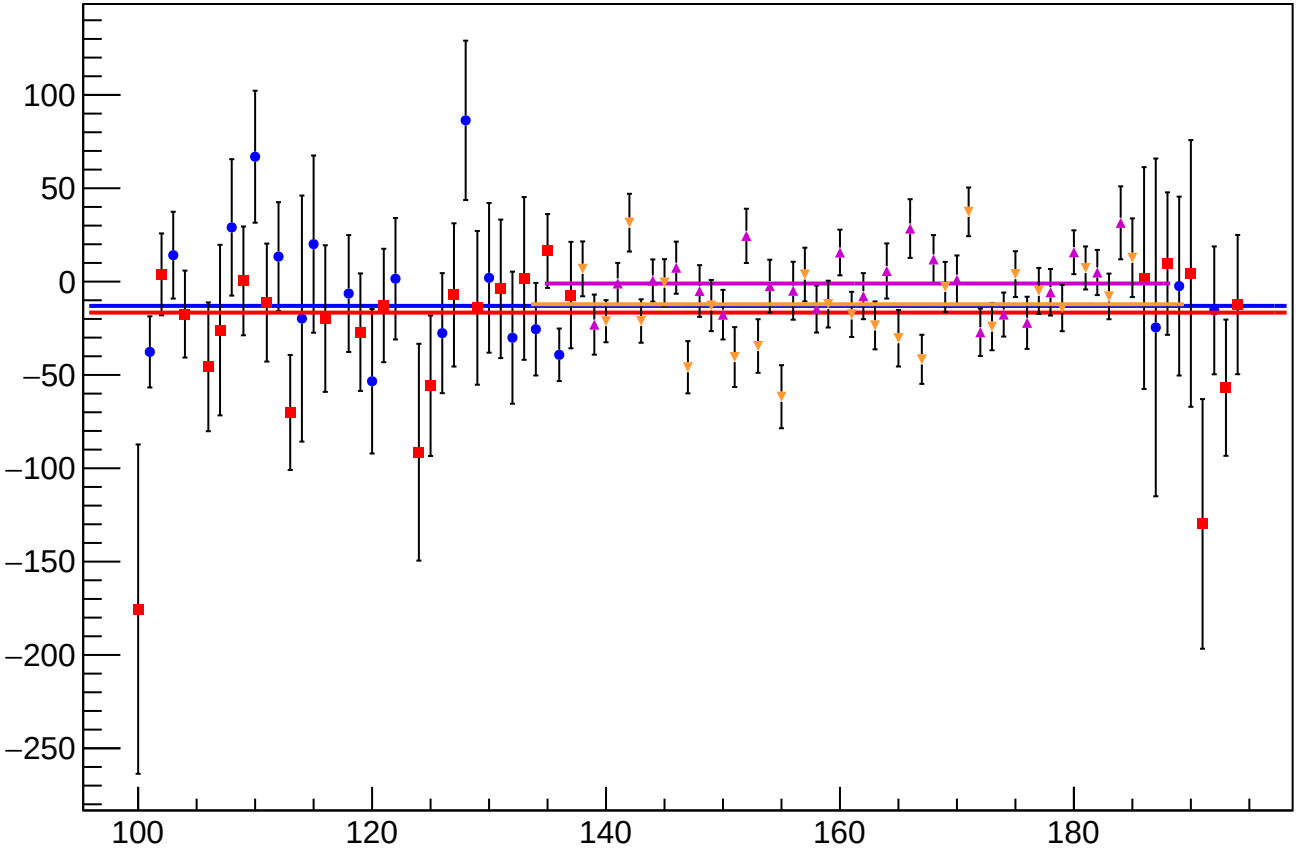
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 2033.890+/-0.279 χ^2/NDF: 3117903.9/43

All: 1988.519+/-0.192 χ^2/NDF: 7275950.1/91

- sign 1947.947+/-0.264 χ^2/NDF: 4108072.1/47

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

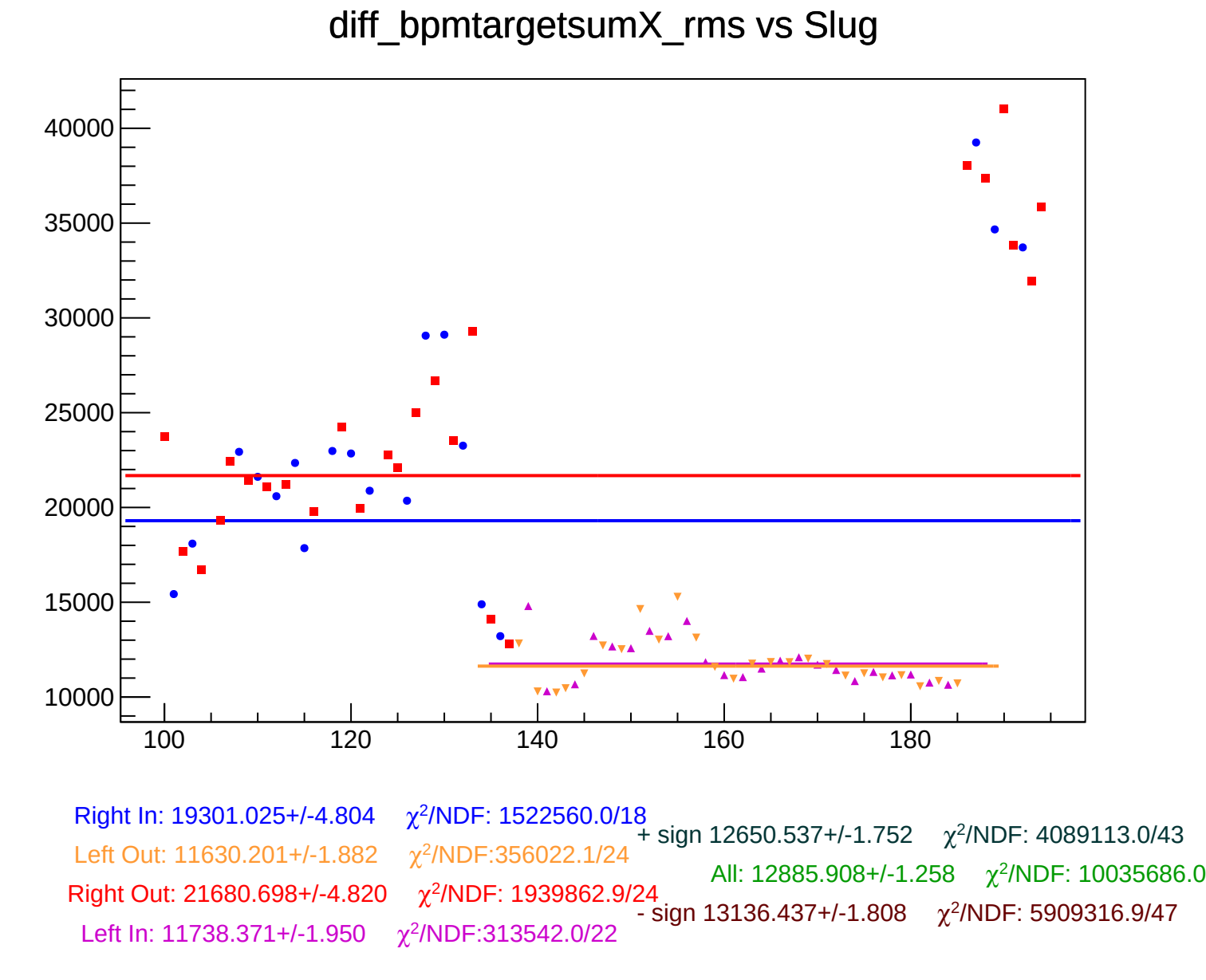
Right Out: -16.598+/-6.817 χ^2/NDF: 19.1/24

Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

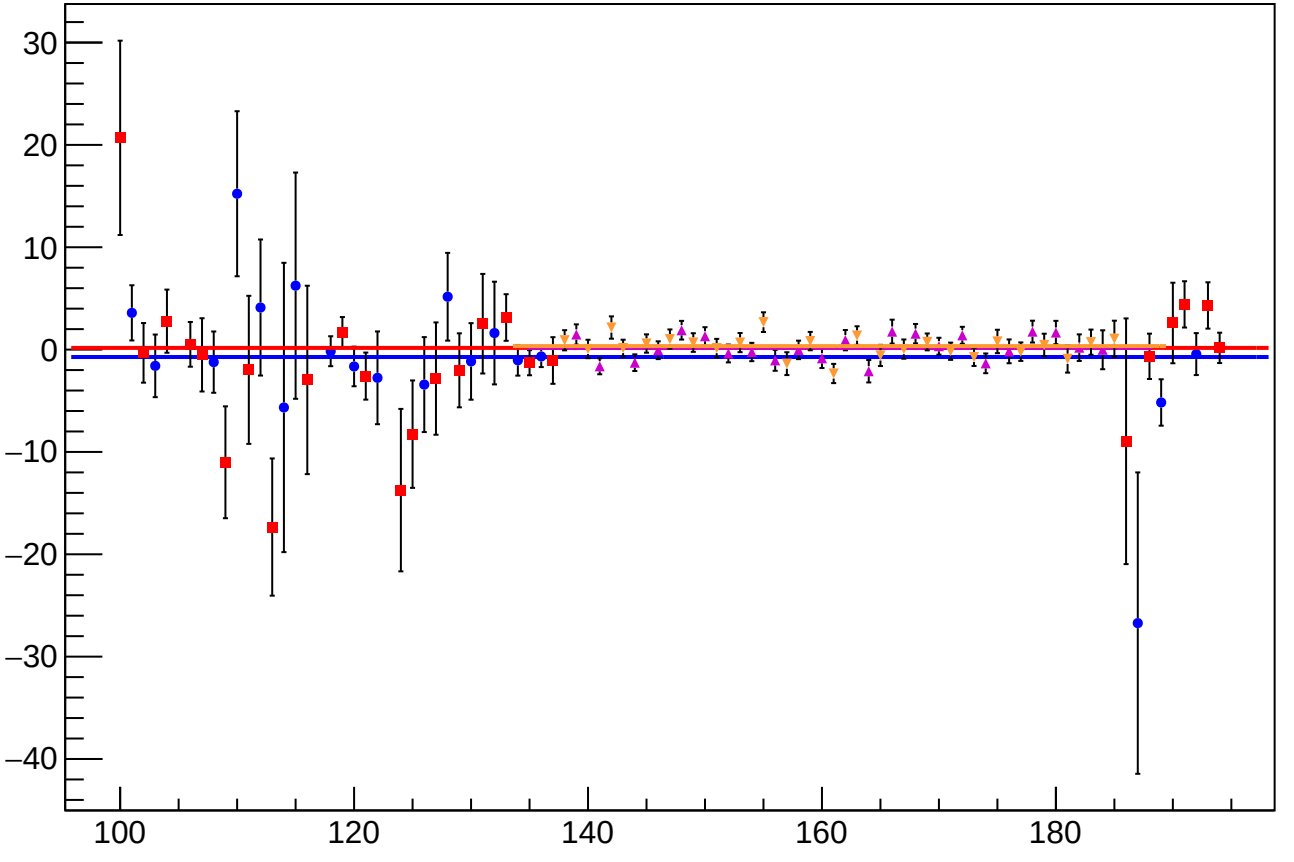
+ sign -12.251+/-2.478 χ^2/NDF: 84.6/43

All: -7.873+/-1.779 χ^2/NDF: 143.4/91

- sign -3.214+/-2.556 χ^2/NDF: 52.4/47


diff_bpmtargetsumX_rms vs Slug
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 19301.025+/-4.804 χ²/NDF: 1522560.0/18
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 21680.698+/-4.820 χ²/NDF: 1939862.9/24
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
+ sign 12650.537+/-1.752 χ²/NDF: 4089113.0/43
All: 12885.908+/-1.258 χ²/NDF: 10035686.0
- sign 13136.437+/-1.808 χ²/NDF: 5909316.9/47

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

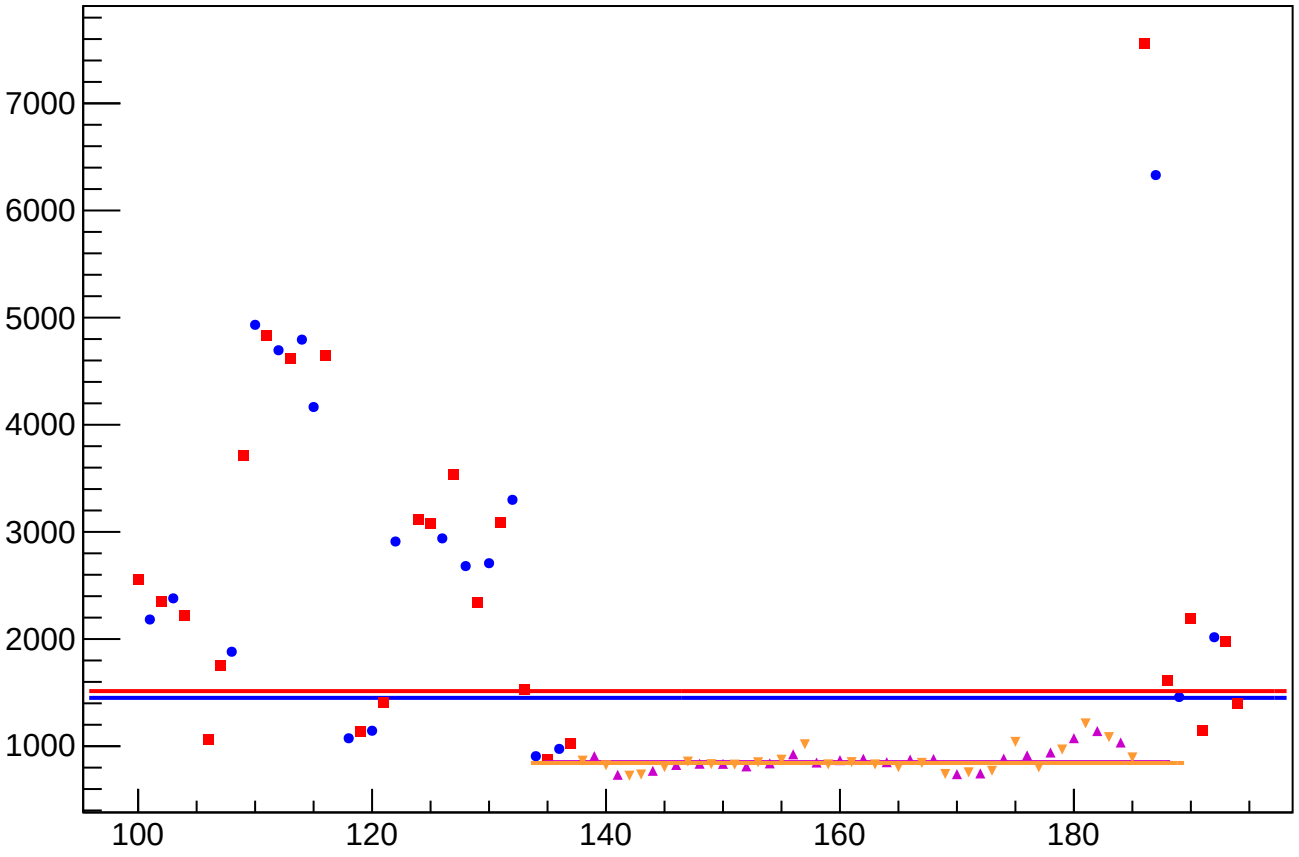
Right Out: 0.166+/-0.526 χ^2/NDF: 37.0/24

Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.228+/-0.183 χ^2/NDF: 47.7/43

All: 0.197+/-0.131 χ^2/NDF: 121.2/91

- sign 0.165+/-0.188 χ^2/NDF: 73.4/47



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: 1514.160+/-0.372 χ^2/NDF: 4123818.3/24

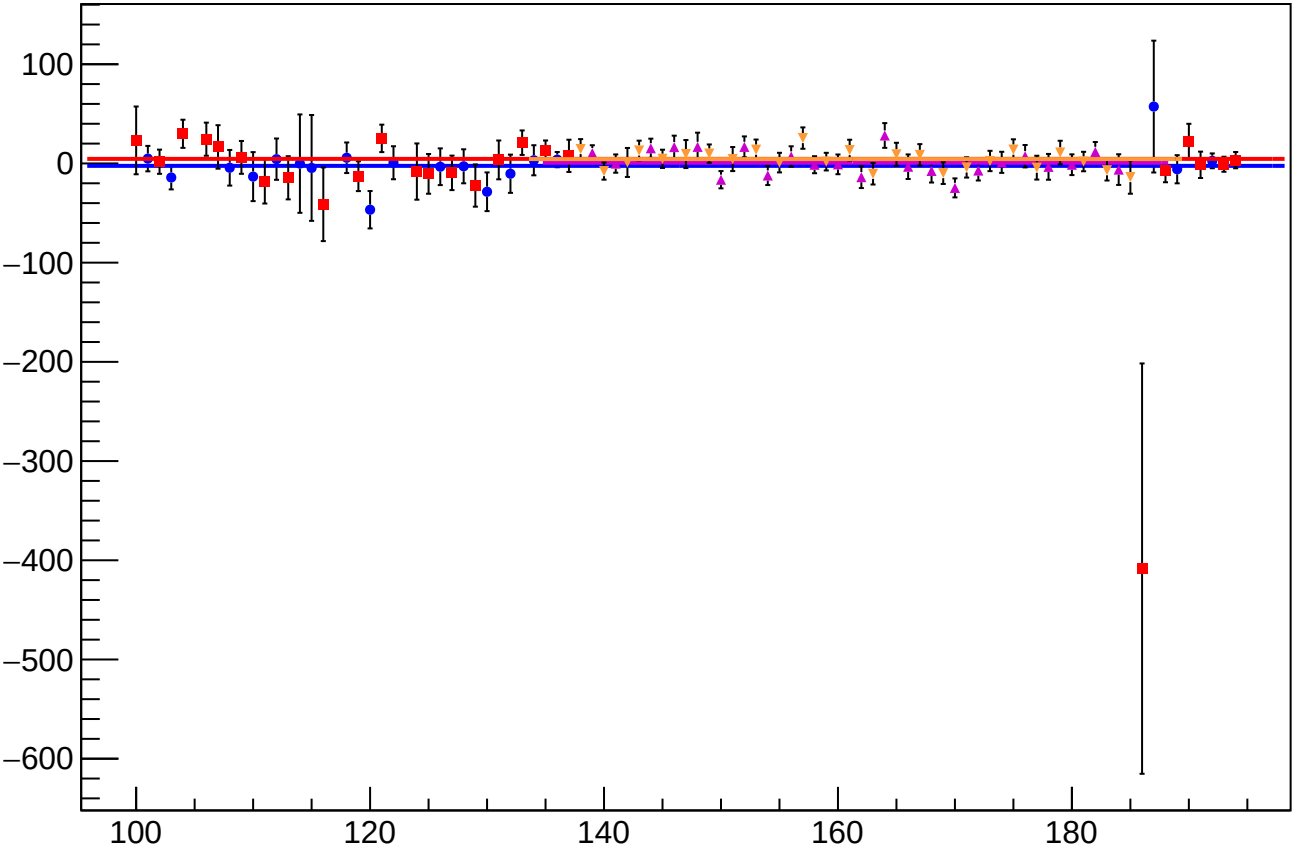
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 908.702+/-0.129 χ^2/NDF: 6395105.4/43

All: 921.927+/-0.093 χ^2/NDF: 13688513.5/91

- sign 935.830+/-0.133 χ^2/NDF: 7271991.2/47

diff_bpmtargetsumY_mean vs Slug



Right In: -2.436+/-3.382 χ^2/NDF: 11.5/18

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 4.599+/-2.921 χ^2/NDF: 24.4/24

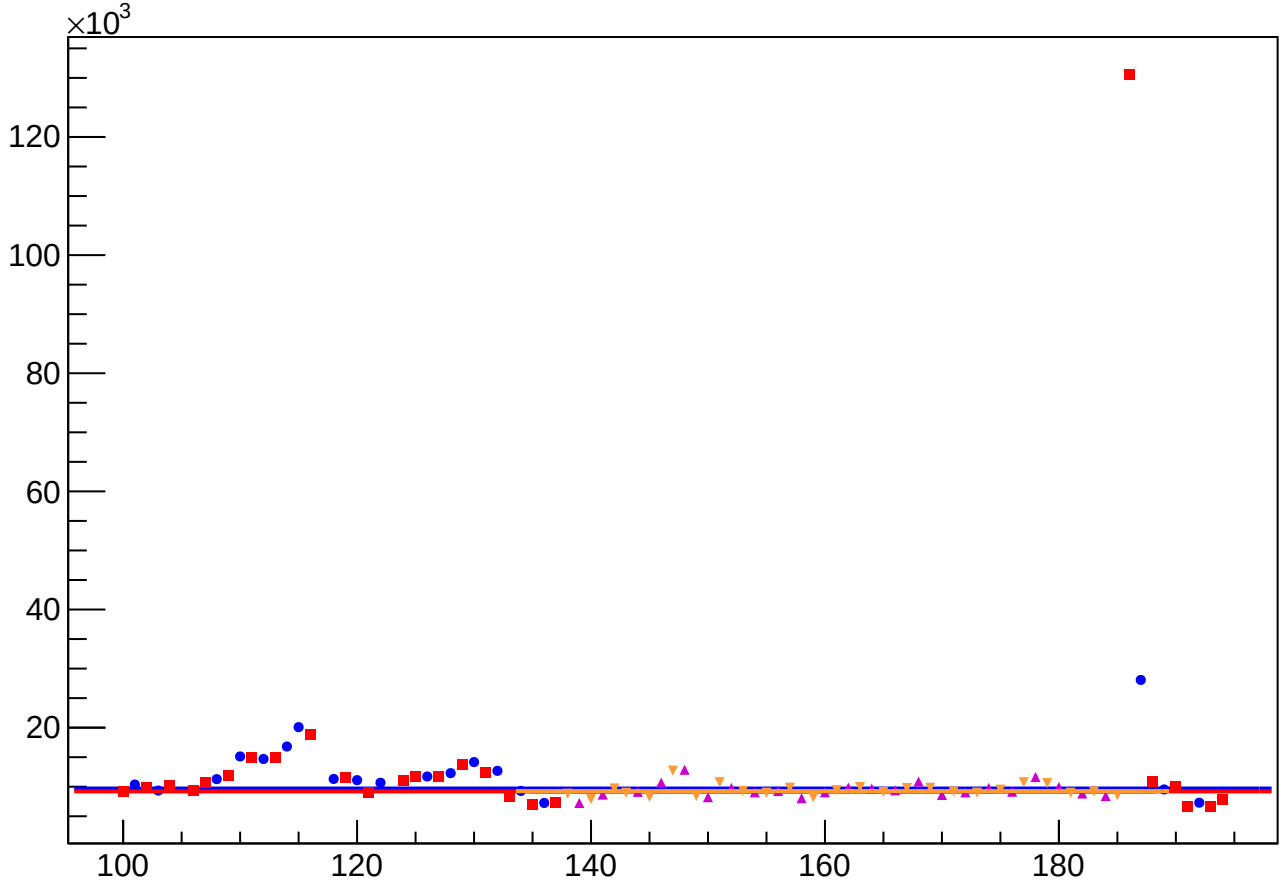
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 2.457+/-1.797 χ^2/NDF: 33.0/43

All: 2.278+/-1.251 χ^2/NDF: 90.6/91

- sign 2.109+/-1.742 χ^2/NDF: 57.5/47

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: 9204.785+/-2.066 χ^2/NDF: 1995192.6/24

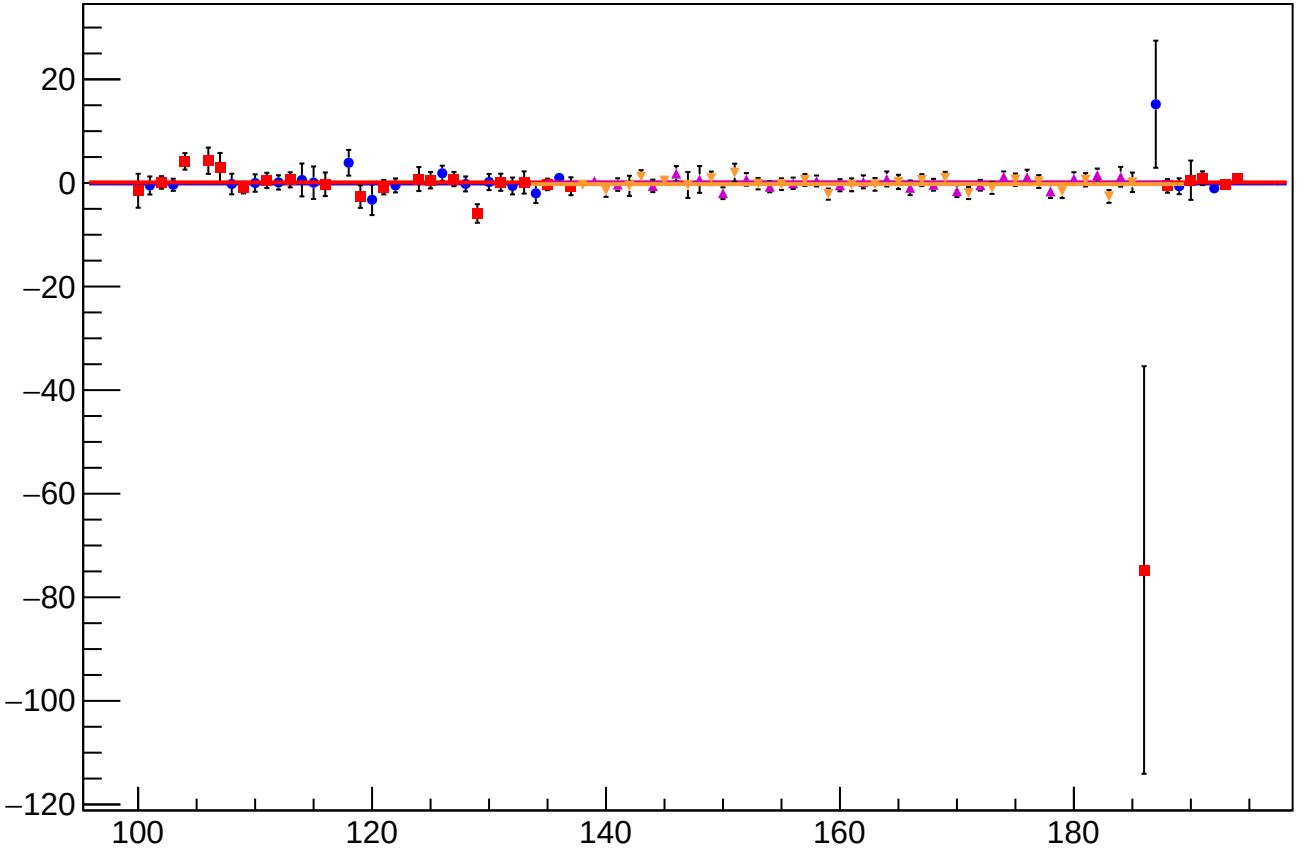
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

\+ sign 9383.769+/-1.271 χ^2/NDF: 1568551.9/43

All: 9289.756+/-0.885 χ^2/NDF: 4089860.1/91

\- sign 9201.407+/-1.232 χ^2/NDF: 2510693.5/47

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: 0.107+/-0.293 χ^2/NDF: 30.8/24

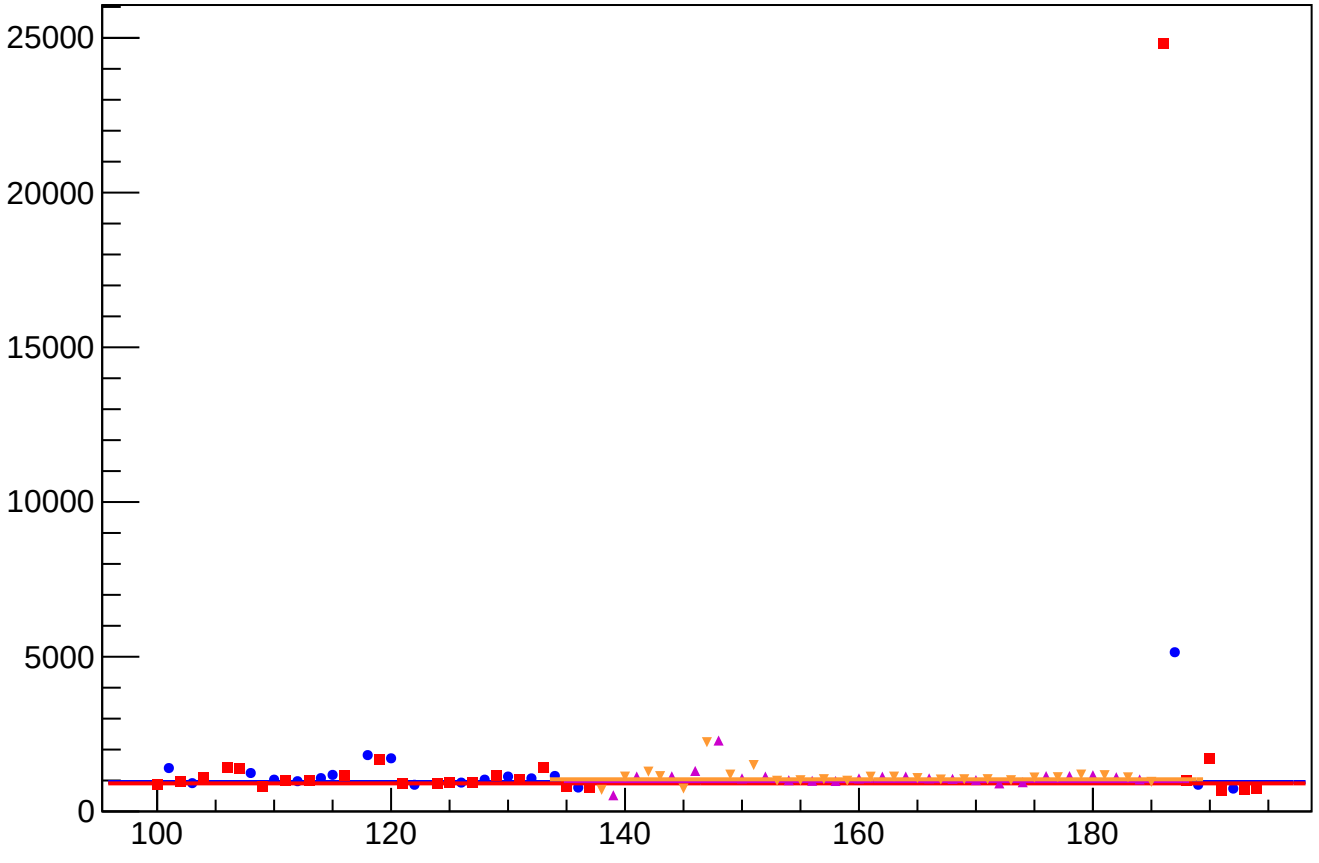
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.185+/-0.197 χ^2/NDF: 30.9/43

All: -0.056+/-0.135 χ^2/NDF: 77.7/91

- sign 0.058+/-0.185 χ^2/NDF: 46.1/47

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

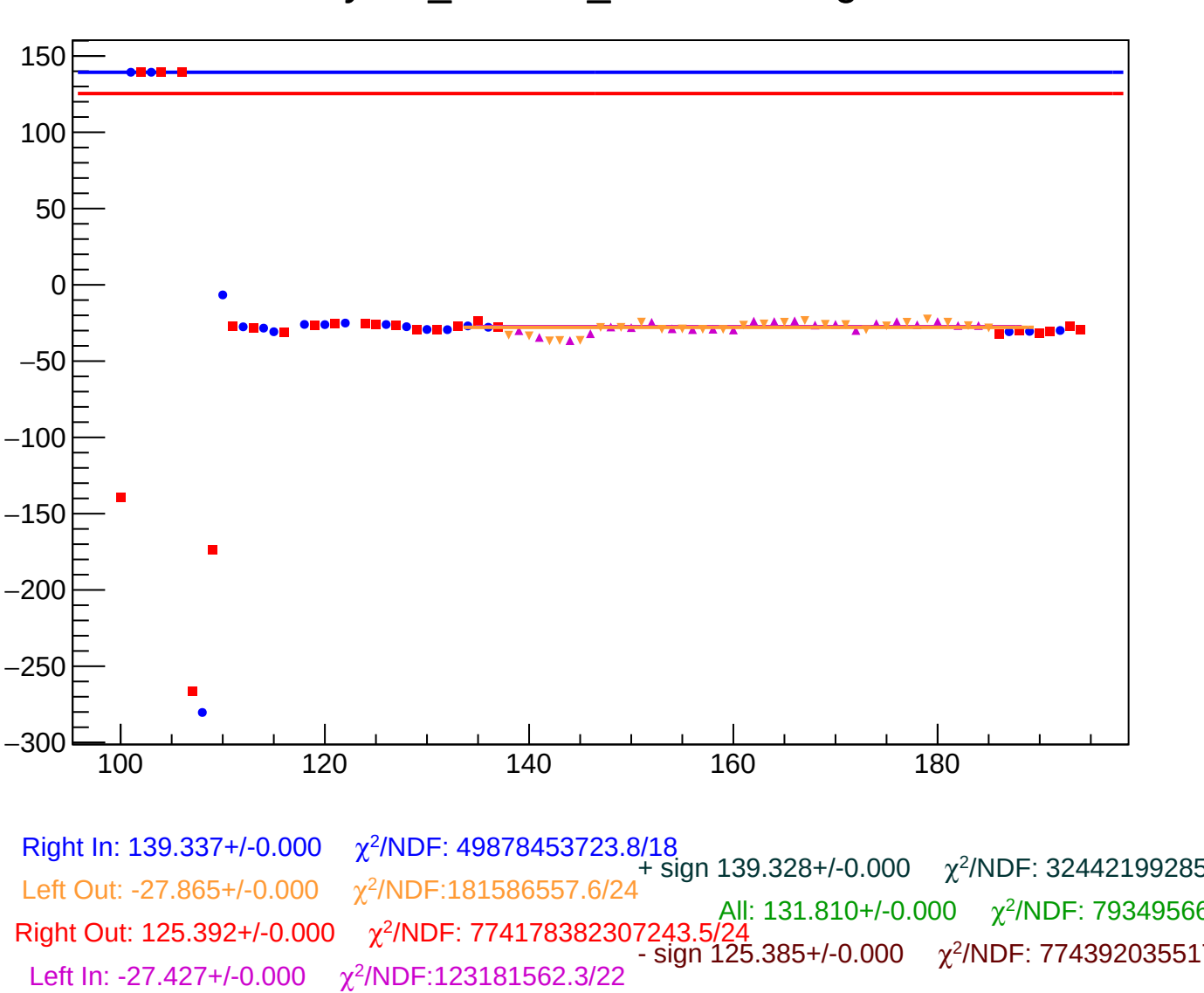
Right Out: 907.265+/-0.207 χ^2/NDF: 1792334.5/24

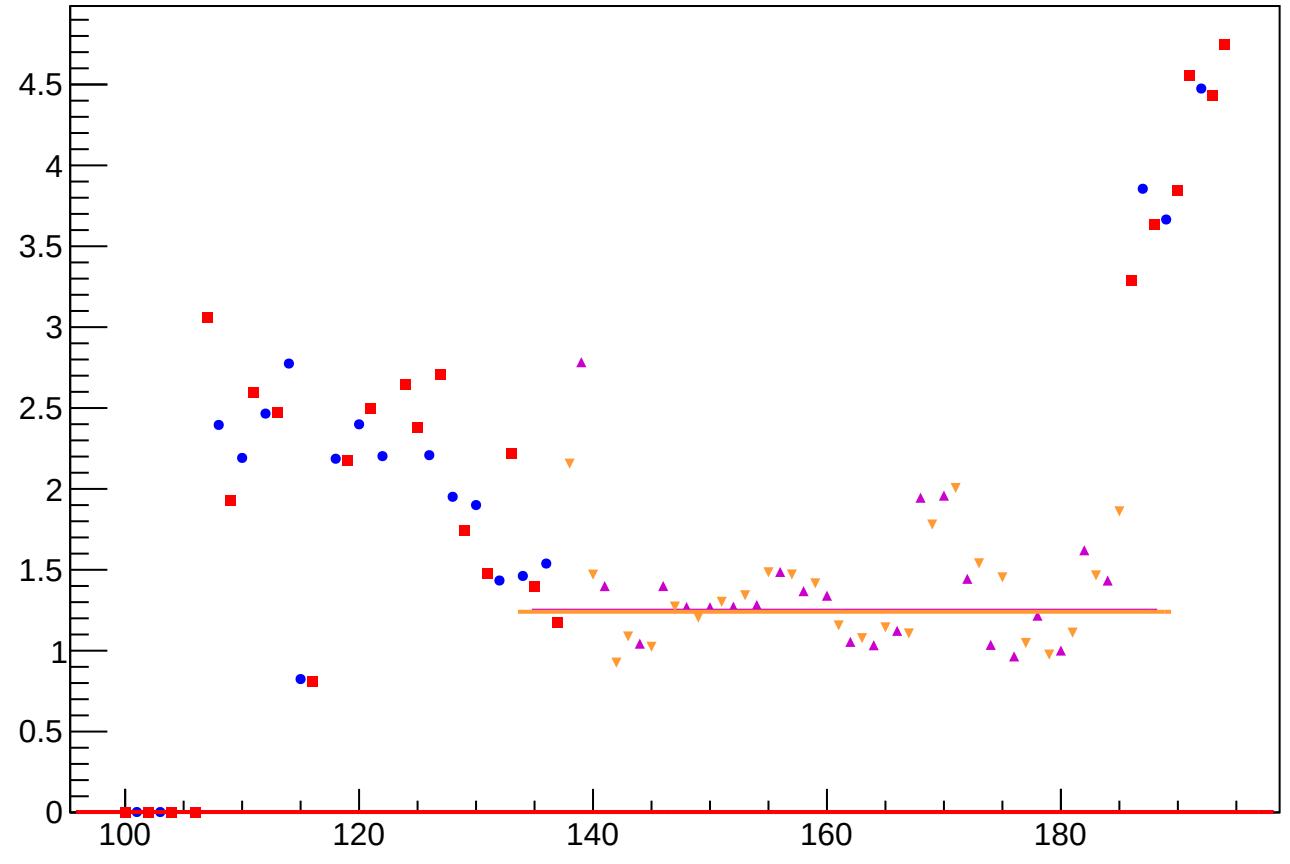
Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 1009.087+/-0.139 χ^2/NDF: 2574083.1/43

All: 978.755+/-0.095 χ^2/NDF: 6758365.2/91

- sign 951.924+/-0.131 χ^2/NDF: 4094881.3/47


yield_cav4bX_mean vs Slug
150
100
50
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
Right In: 139.337+/-0.000 χ²/NDF: 49878453723.8/18
Left Out: -27.865+/-0.000 χ²/NDF:181586557.6/24
Right Out: 125.392+/-0.000 χ²/NDF: 774178382307243.5/24
Left In: -27.427+/-0.000 χ²/NDF:123181562.3/22
+ sign 139.328+/-0.000 χ²/NDF: 324421992856.5/4
All: 131.810+/-0.000 χ²/NDF: 79349566811
- sign 125.385+/-0.000 χ²/NDF: 774392035517631



Right In: 0.003+/-0.000 χ^2/NDF: 12836768.6/18

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

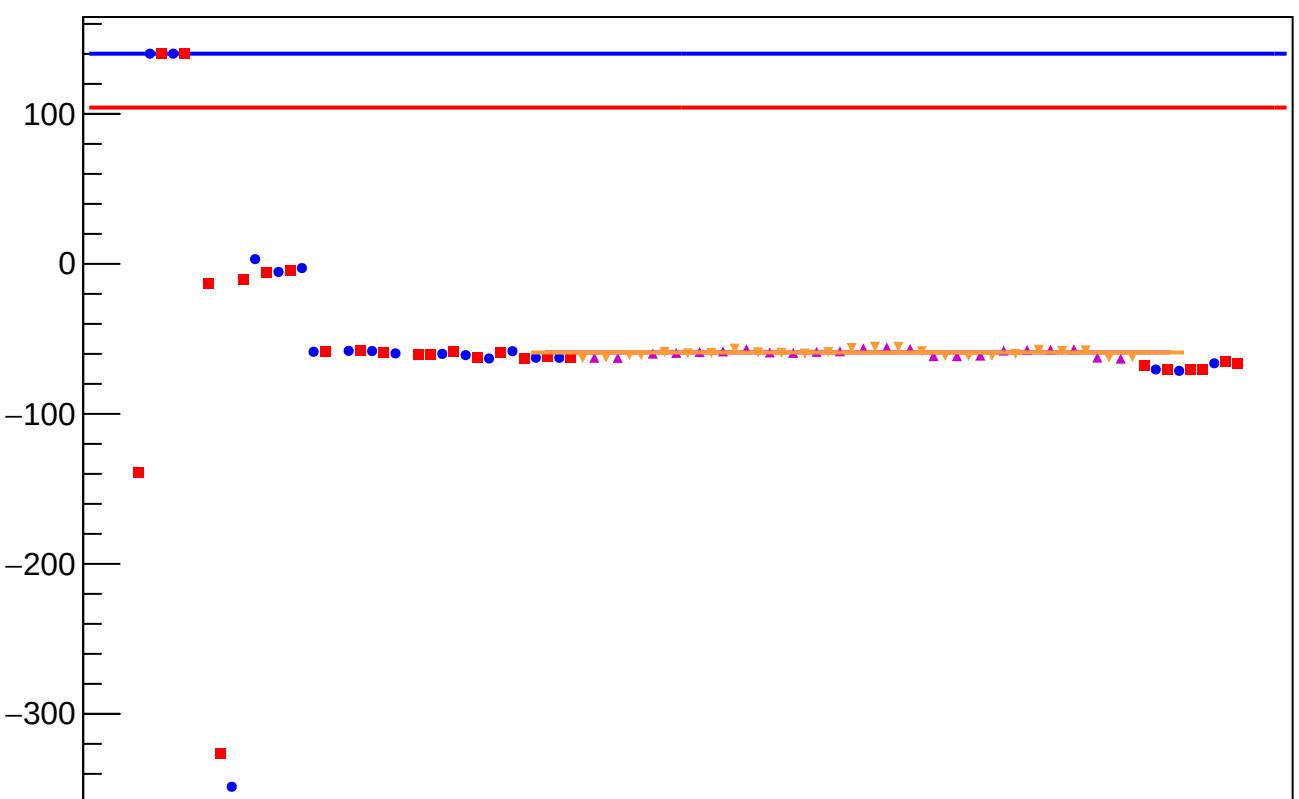
Right Out: 0.003+/-0.000 χ^2/NDF: 16808537.7/24

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 44135316.6/43

All: 0.003+/-0.000 χ^2/NDF: 90711390.2/91

- sign 0.003+/-0.000 χ^2/NDF: 46575726.4/47



Right In: 140.142+/-0.000 χ^2/NDF: 236985576130.5/18

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.222+/-0.000 χ^2/NDF: 1257470042405177.0/24

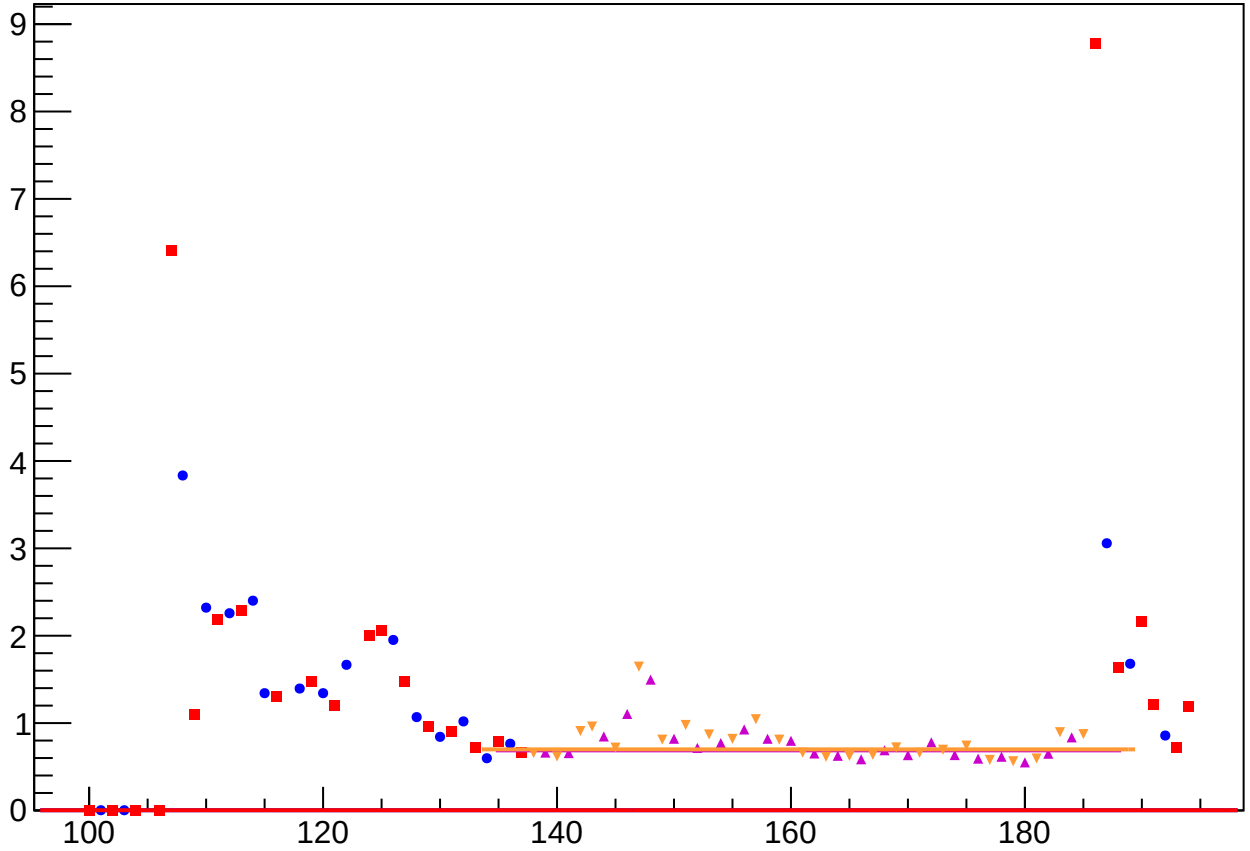
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.106+/-0.000 χ^2/NDF: 1534159333242.4

All: 120.800+/-0.000 χ^2/NDF: 13831166318

- sign 104.197+/-0.000 χ^2/NDF: 125832708714008

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: 16587603.9/24

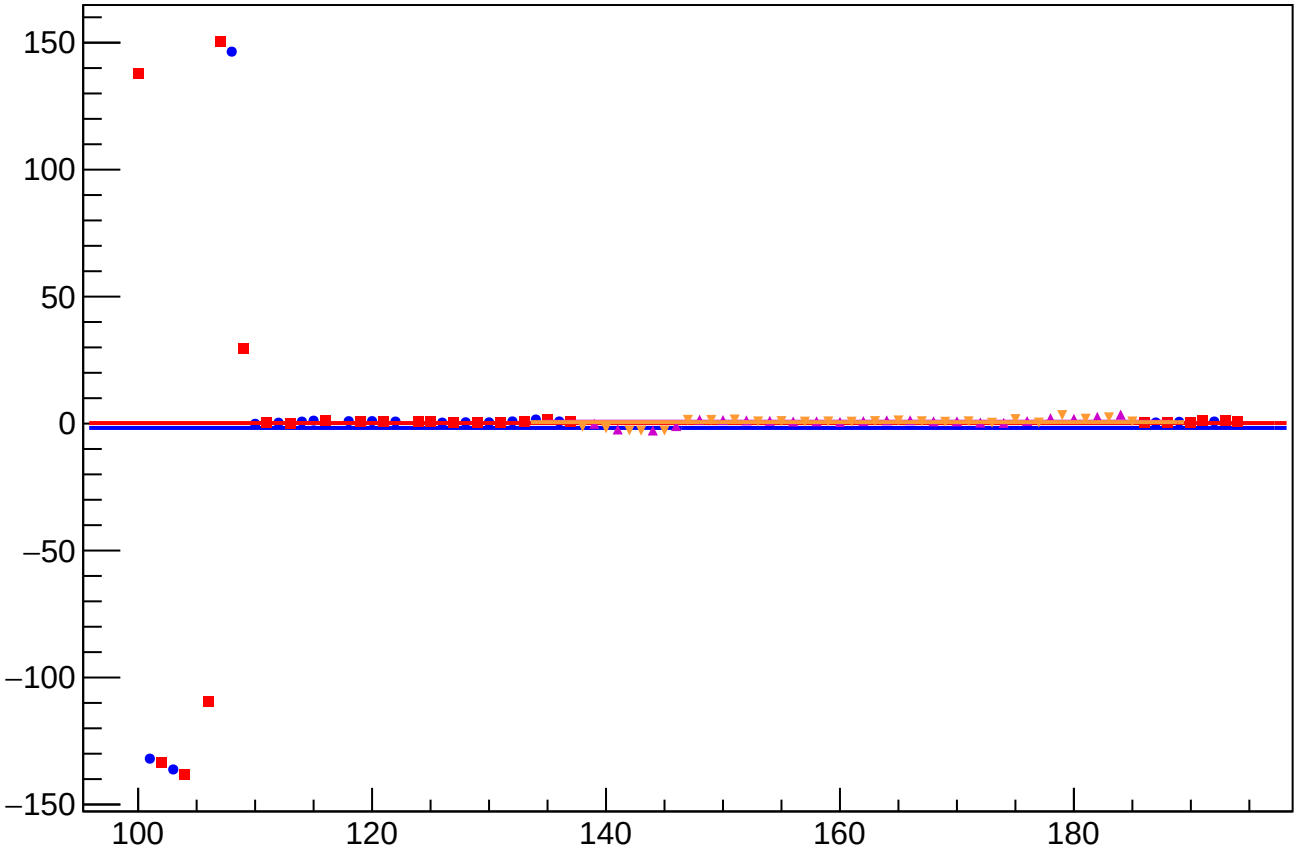
Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 46339603.9/43

All: 0.003+/-0.000 χ^2/NDF: 94237202.0/91

- sign 0.003+/-0.000 χ^2/NDF: 47897136.1/47

yield_cav4cX_mean vs Slug



Right In: -1.713+/-0.000 χ^2/NDF: 9891462016.3/18

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.213+/-0.000 χ^2/NDF: 3611723800.1/24

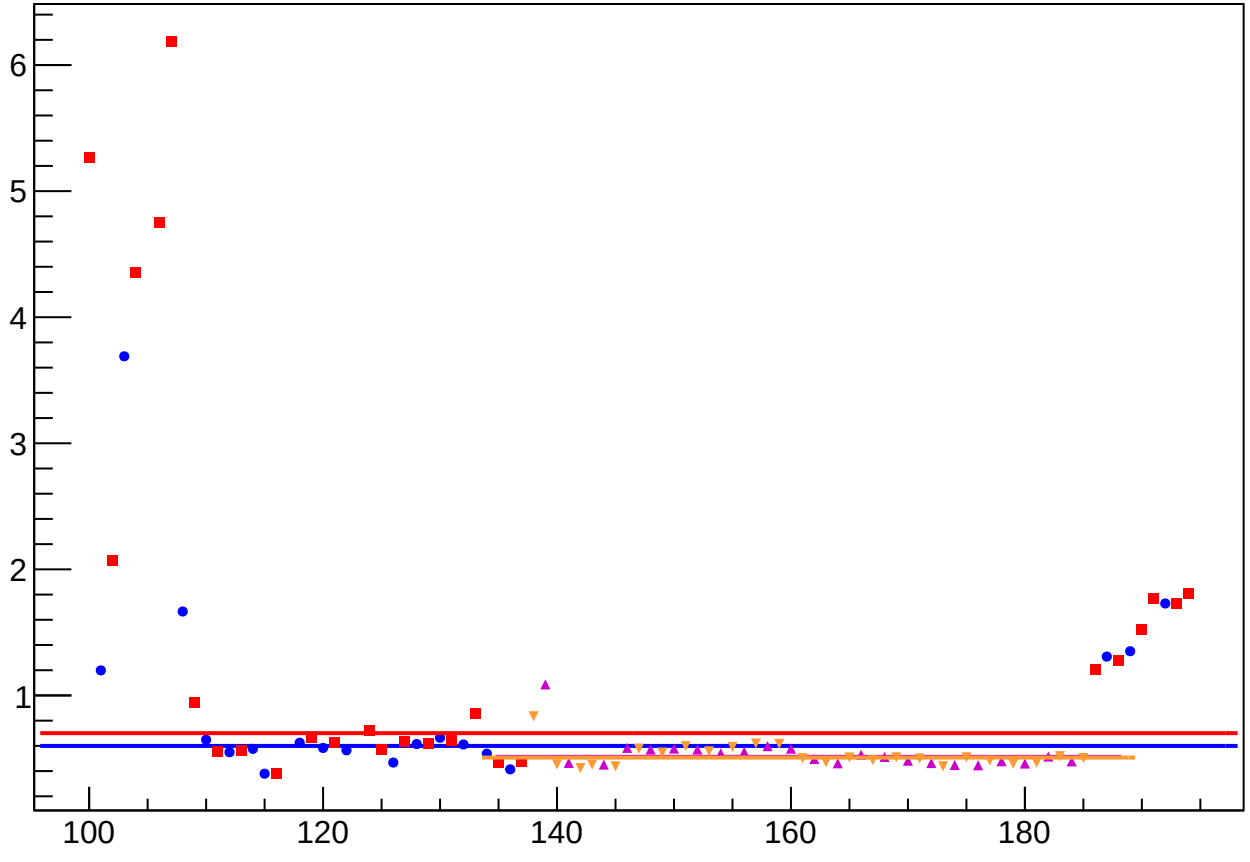
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.079+/-0.000 χ^2/NDF: 10114833942.1/43

All: 0.339+/-0.000 χ^2/NDF: 13845837827.6/9

- sign 0.623+/-0.000 χ^2/NDF: 3720044226.7/47

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: 0.701+/-0.000 χ^2/NDF: 4797429.7/24

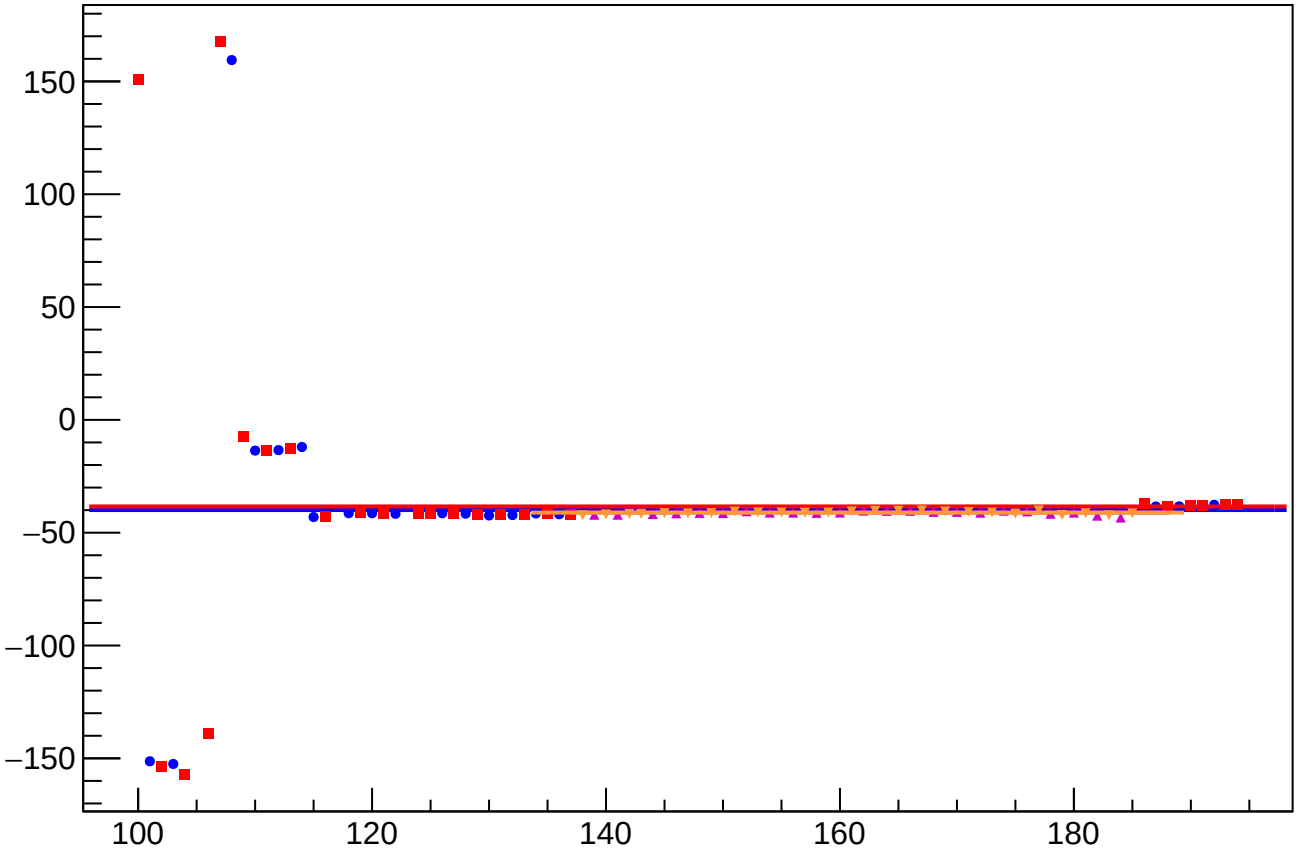
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.527+/-0.000 χ^2/NDF: 3663689.1/43

All: 0.539+/-0.000 χ^2/NDF: 10097327.4/91

- sign 0.552+/-0.000 χ^2/NDF: 6385933.8/47

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: -38.367+/-0.000 χ^2/NDF: 2500884487.3/24

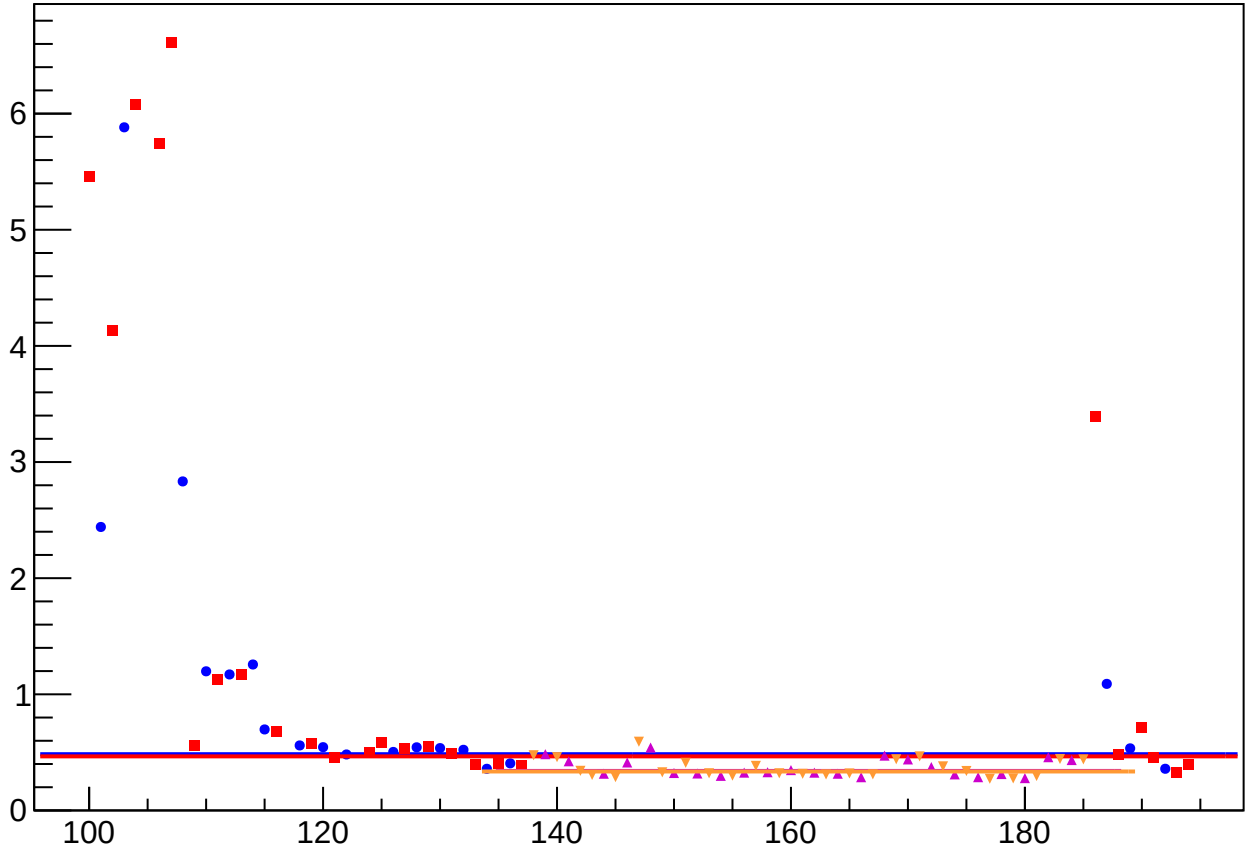
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.925+/-0.000 χ^2/NDF: 3601718933.0/43

All: -40.715+/-0.000 χ^2/NDF: 6374814248.9/

- sign -40.500+/-0.000 χ^2/NDF: 2756621983.1/47

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: 0.466+/-0.000 χ^2/NDF: 4352835.7/24

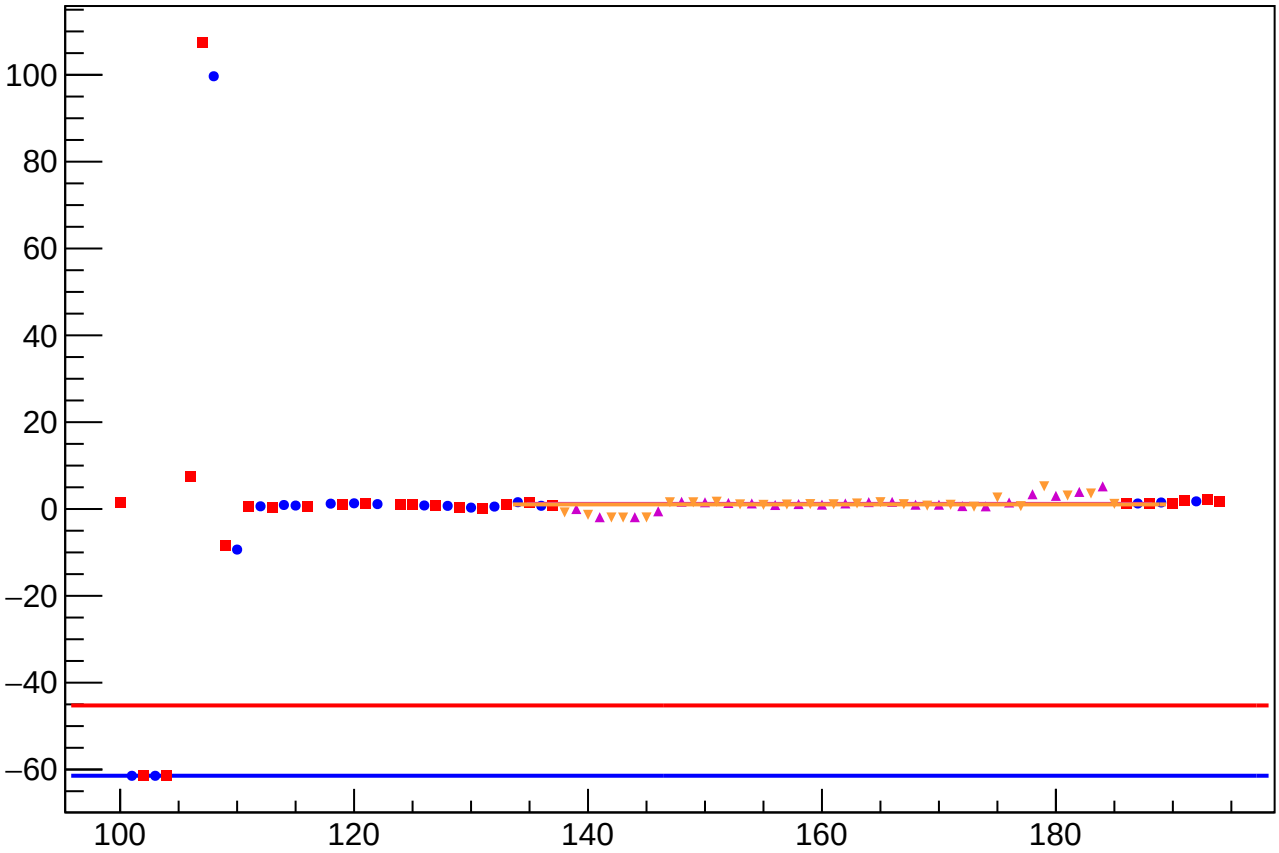
Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.358+/-0.000 χ^2/NDF: 5602542.2/43

All: 0.361+/-0.000 χ^2/NDF: 11938491.7/91

- sign 0.365+/-0.000 χ^2/NDF: 6325334.8/47

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: 357874811477445.5/24

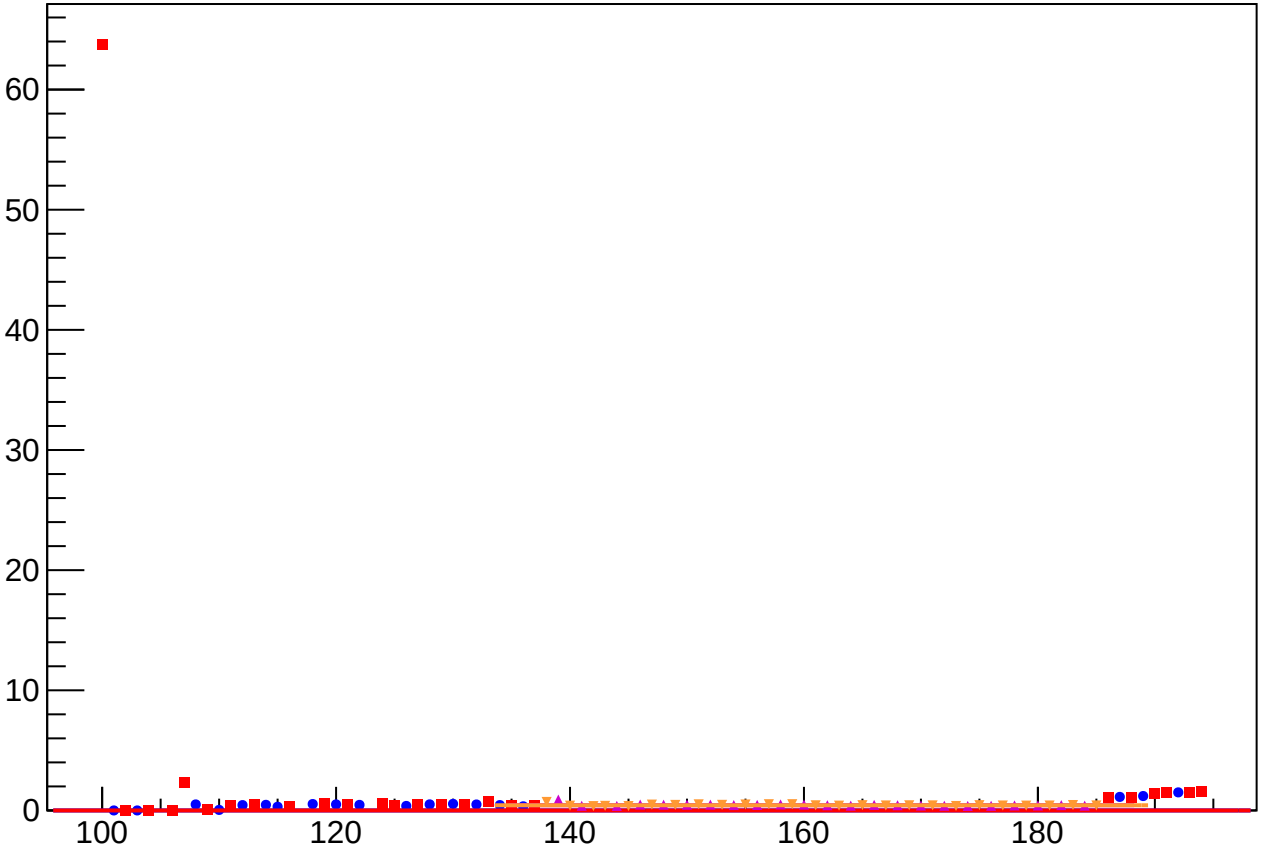
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 607112879719.4/4

All: -52.738+/-0.000 χ^2/NDF: 409600052413

- sign -45.236+/-0.000 χ^2/NDF: 358041376760539.

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

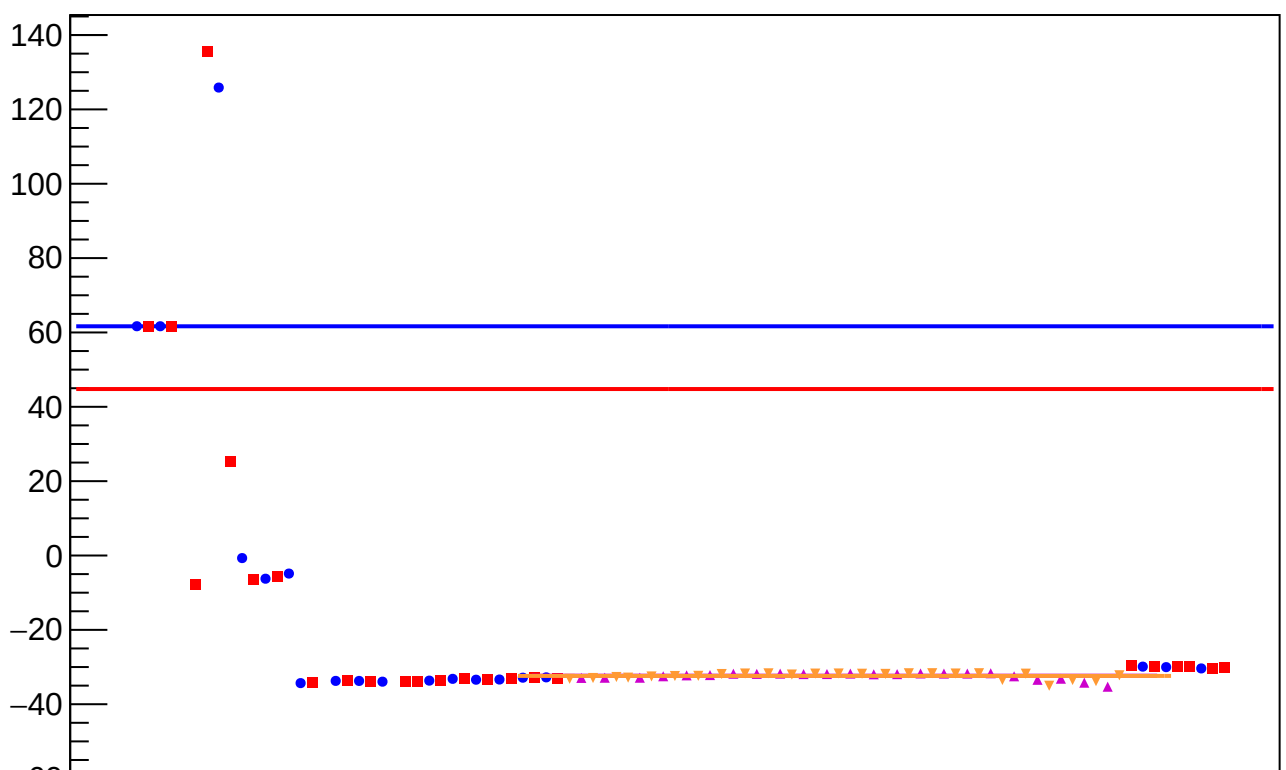
Right Out: 0.001+/-0.000 χ^2/NDF: 16414755.6/24

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: 90747097.9/91

- sign 0.002+/-0.000 χ^2/NDF: 46557240.0/47



Right In: 61.658+/-0.000 χ^2/NDF: 476606965358.4/18

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.781+/-0.000 χ^2/NDF: 366236043346627.7/24

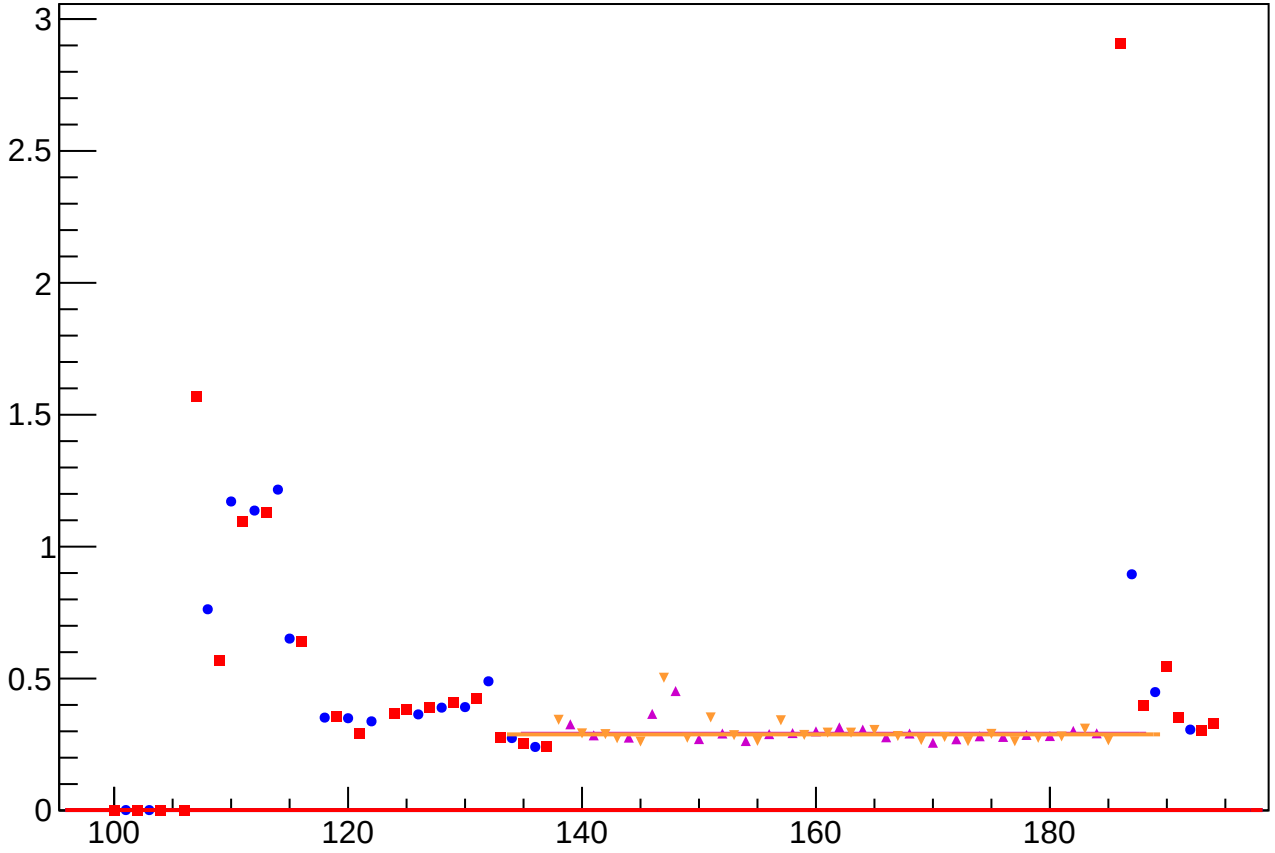
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.597+/-0.000 χ^2/NDF: 2434596473306.5/4

All: 52.634+/-0.000 χ^2/NDF: 420922373877

- sign 44.739+/-0.000 χ^2/NDF: 367463703016780.7

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: 17494845.3/24

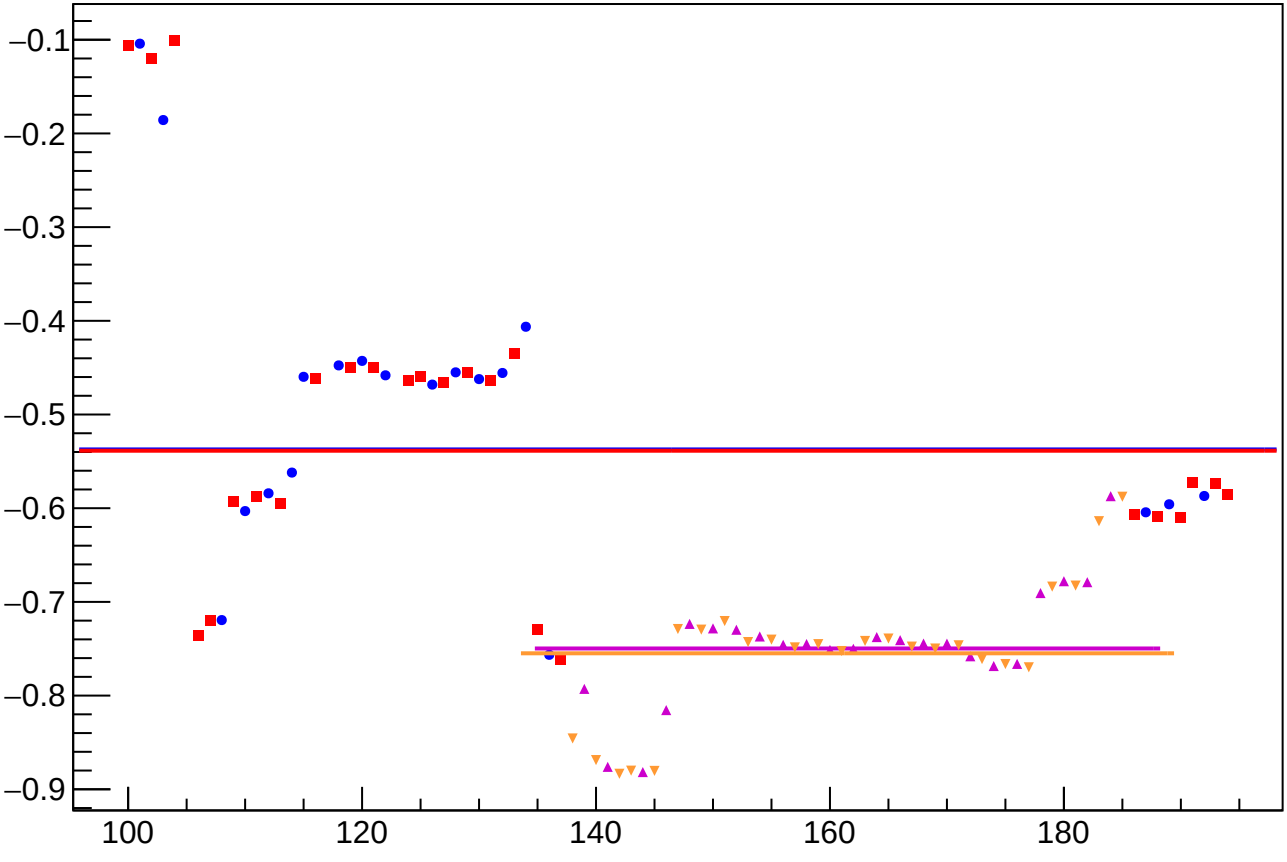
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 51173515.8/43

All: 0.002+/-0.000 χ^2/NDF: 103571246.8/91

- sign 0.002+/-0.000 χ^2/NDF: 52397727.0/47

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

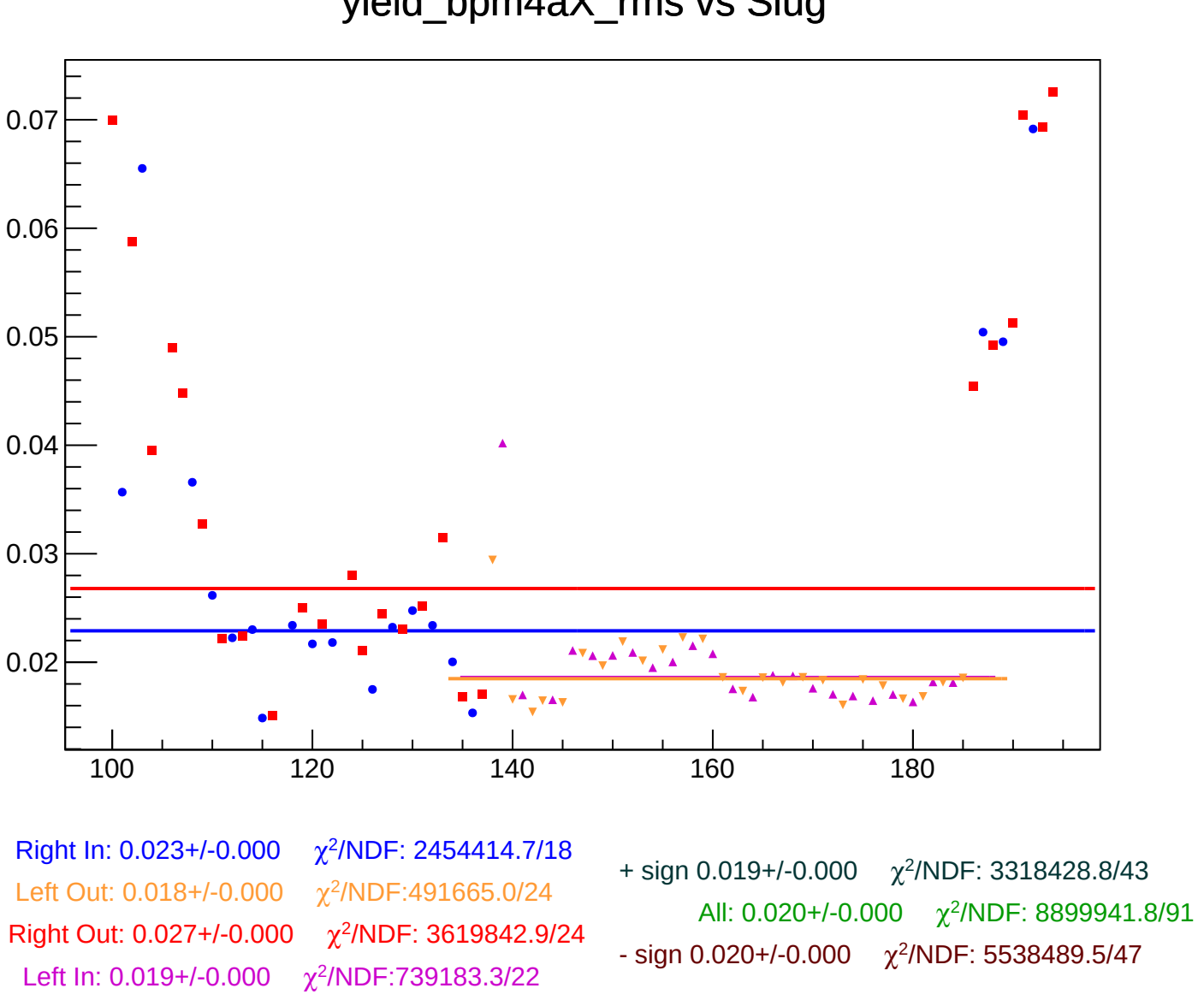
Right Out: -0.539+/-0.000 χ^2/NDF: 218468152.3/24

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

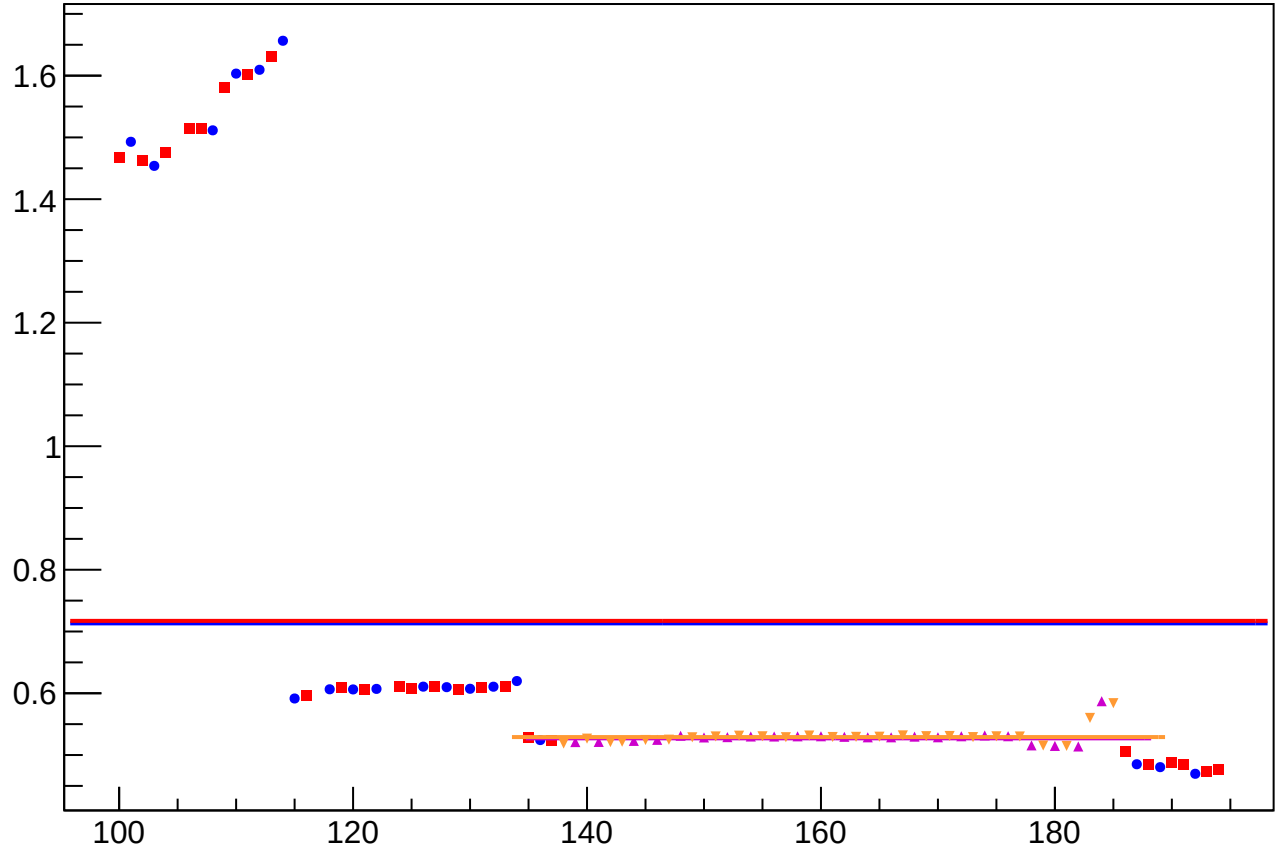
+ sign -0.709+/-0.000 χ^2/NDF: 968038129.0/43

All: -0.708+/-0.000 χ^2/NDF: 1718523965.4/9

- sign -0.706+/-0.000 χ^2/NDF: 750197159.1/47


yield_bpm4aX_rms vs Slug
0.07
0.06
0.05
0.04
0.03
0.02
100
120
140
160
180
Right In: 0.023+/-0.000 χ²/NDF: 2454414.7/18
Left Out: 0.018+/-0.000 χ²/NDF:491665.0/24
Right Out: 0.027+/-0.000 χ²/NDF: 3619842.9/24
Left In: 0.019+/-0.000 χ²/NDF:739183.3/22
+ sign 0.019+/-0.000 χ²/NDF: 3318428.8/43
All: 0.020+/-0.000 χ²/NDF: 8899941.8/91
- sign 0.020+/-0.000 χ²/NDF: 5538489.5/47

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: 0.717+/-0.000 χ^2/NDF: 5680682461.7/24

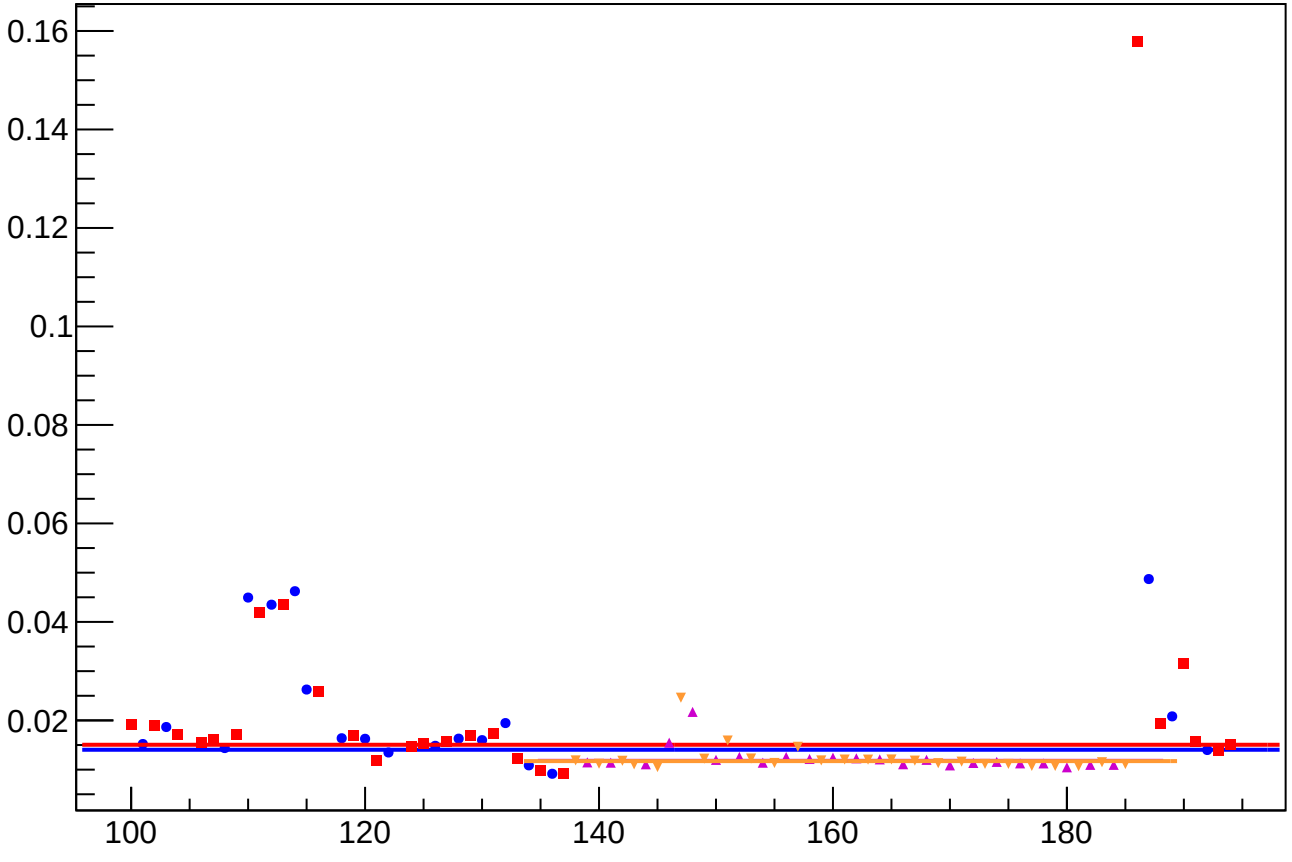
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.569+/-0.000 χ^2/NDF: 5726105577.4/43

All: 0.571+/-0.000 χ^2/NDF: 12537939753.0/9

- sign 0.573+/-0.000 χ^2/NDF: 6810291634.1/47

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: 2363202.5/24

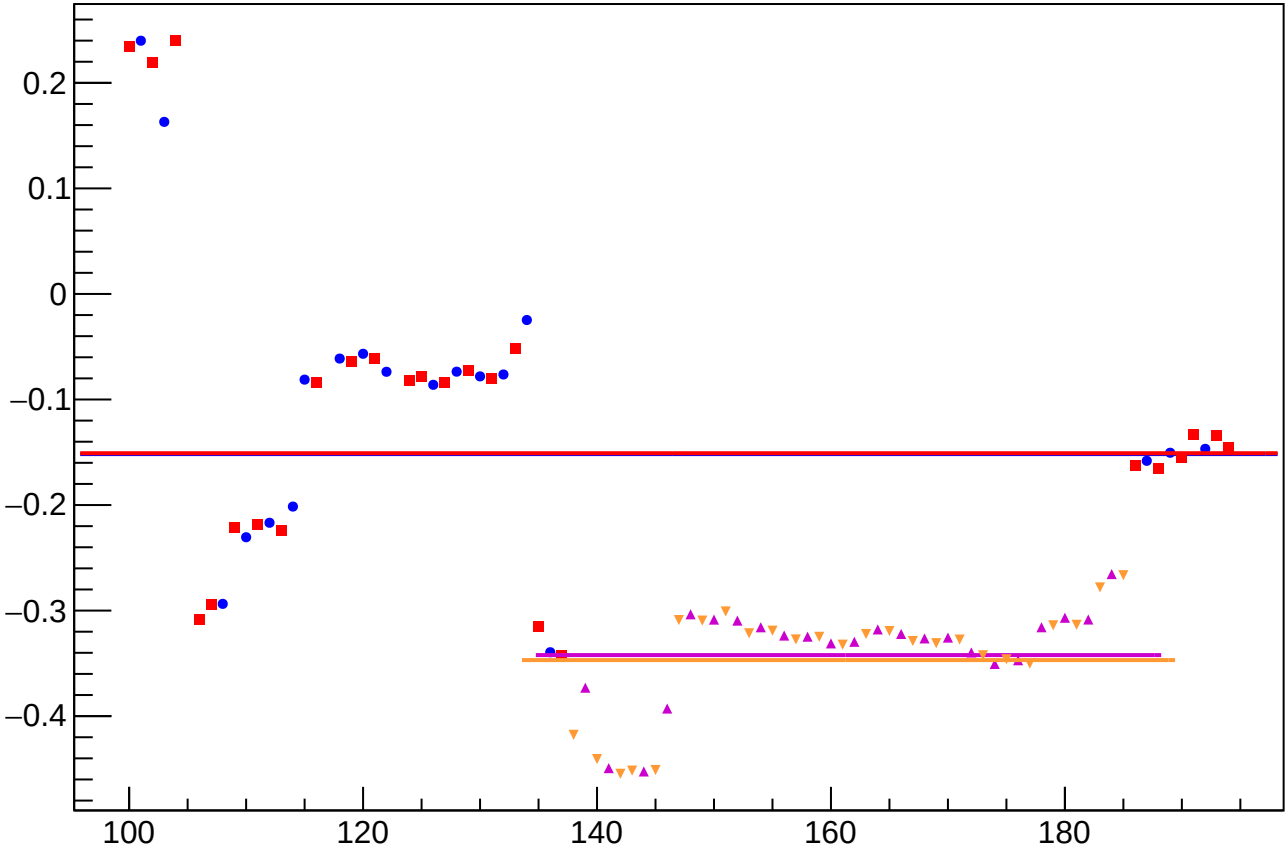
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 2943299.7/43

All: 0.012+/-0.000 χ^2/NDF: 6504134.3/91

- sign 0.013+/-0.000 χ^2/NDF: 3539972.4/47

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: 199580726.6/24

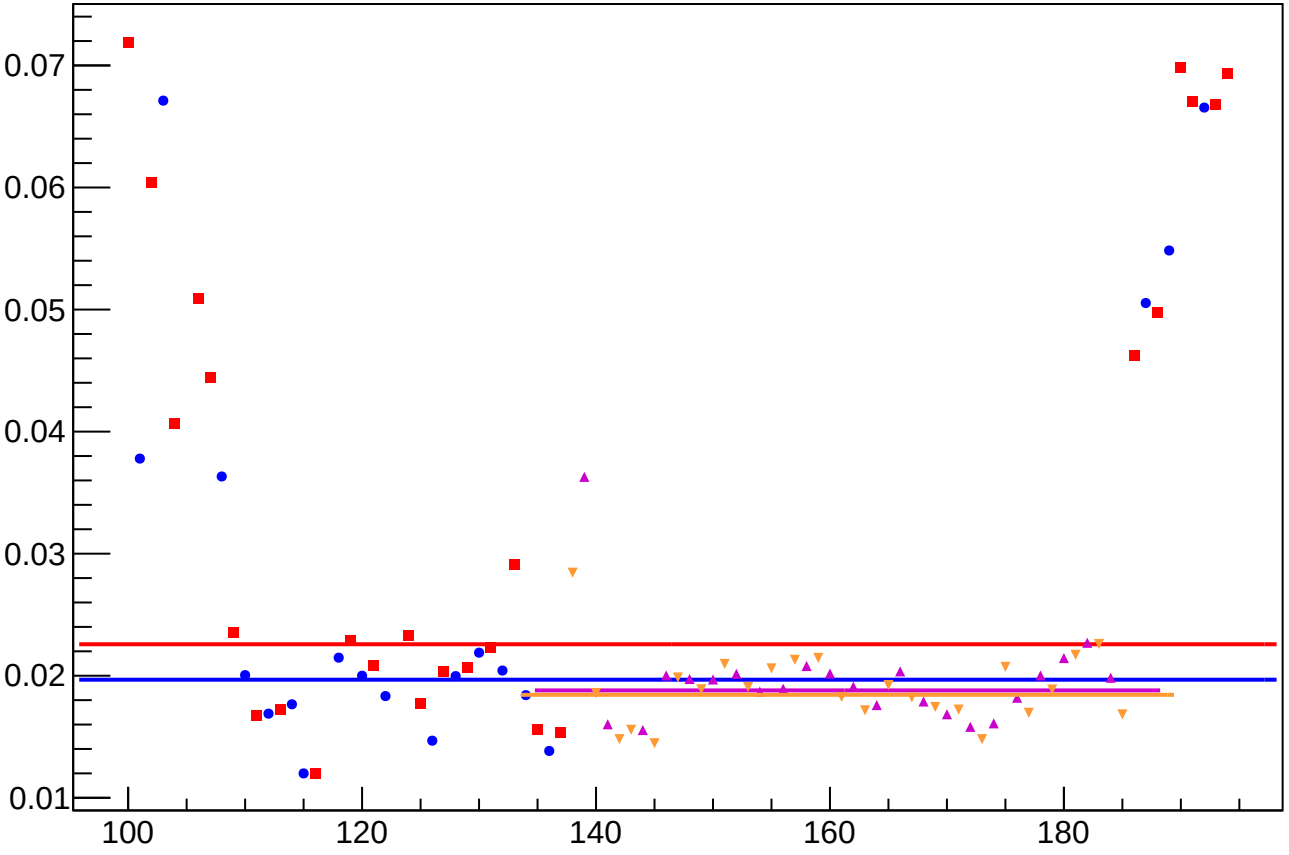
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.297+/-0.000 χ^2/NDF: 853671248.0/43

All: -0.295+/-0.000 χ^2/NDF: 1542356813.4/9

- sign -0.293+/-0.000 χ^2/NDF: 688080431.9/47

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: 0.023+/-0.000 χ^2/NDF: 4501923.3/24

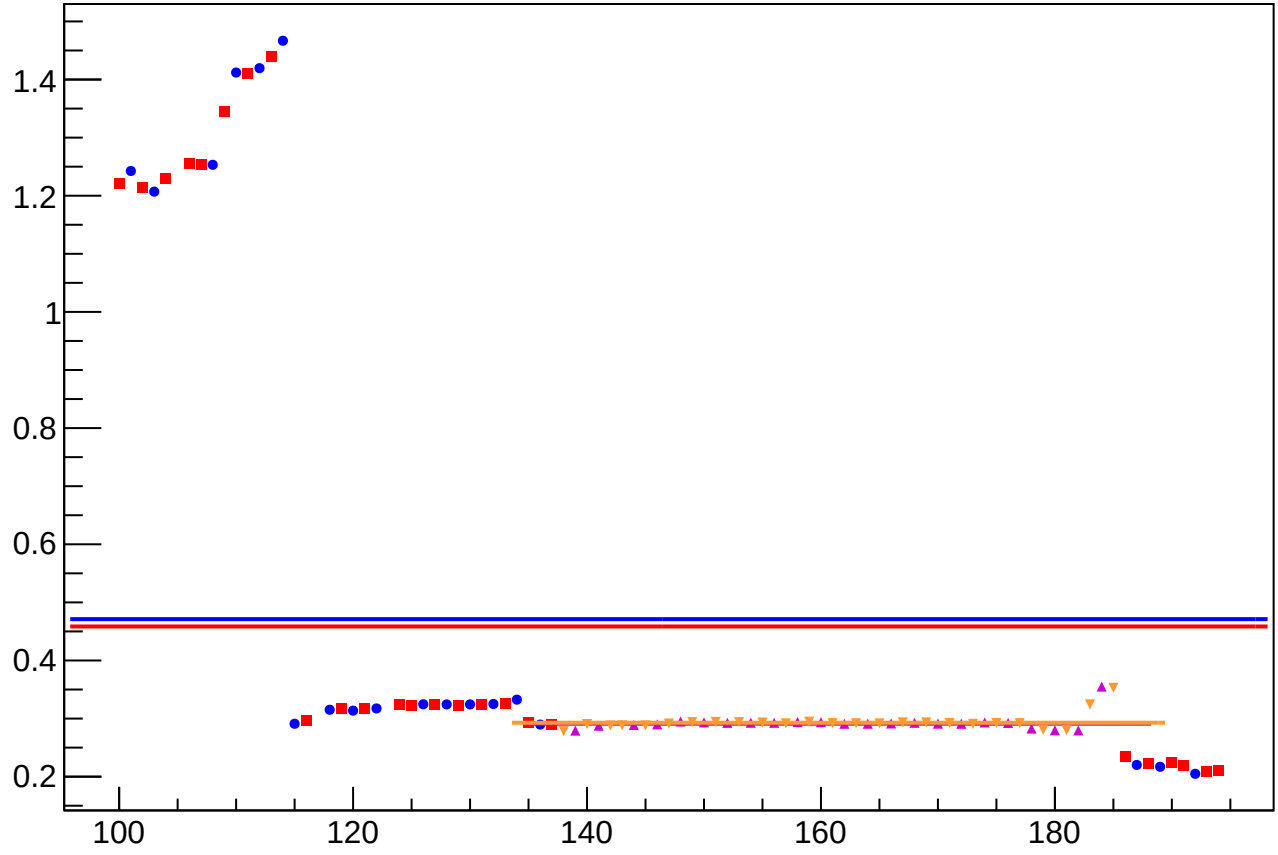
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.019+/-0.000 χ^2/NDF: 3587647.7/43

All: 0.019+/-0.000 χ^2/NDF: 9183430.6/91

- sign 0.020+/-0.000 χ^2/NDF: 5533393.1/47

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: 0.459+/-0.000 χ^2/NDF: 8068425190.5/24

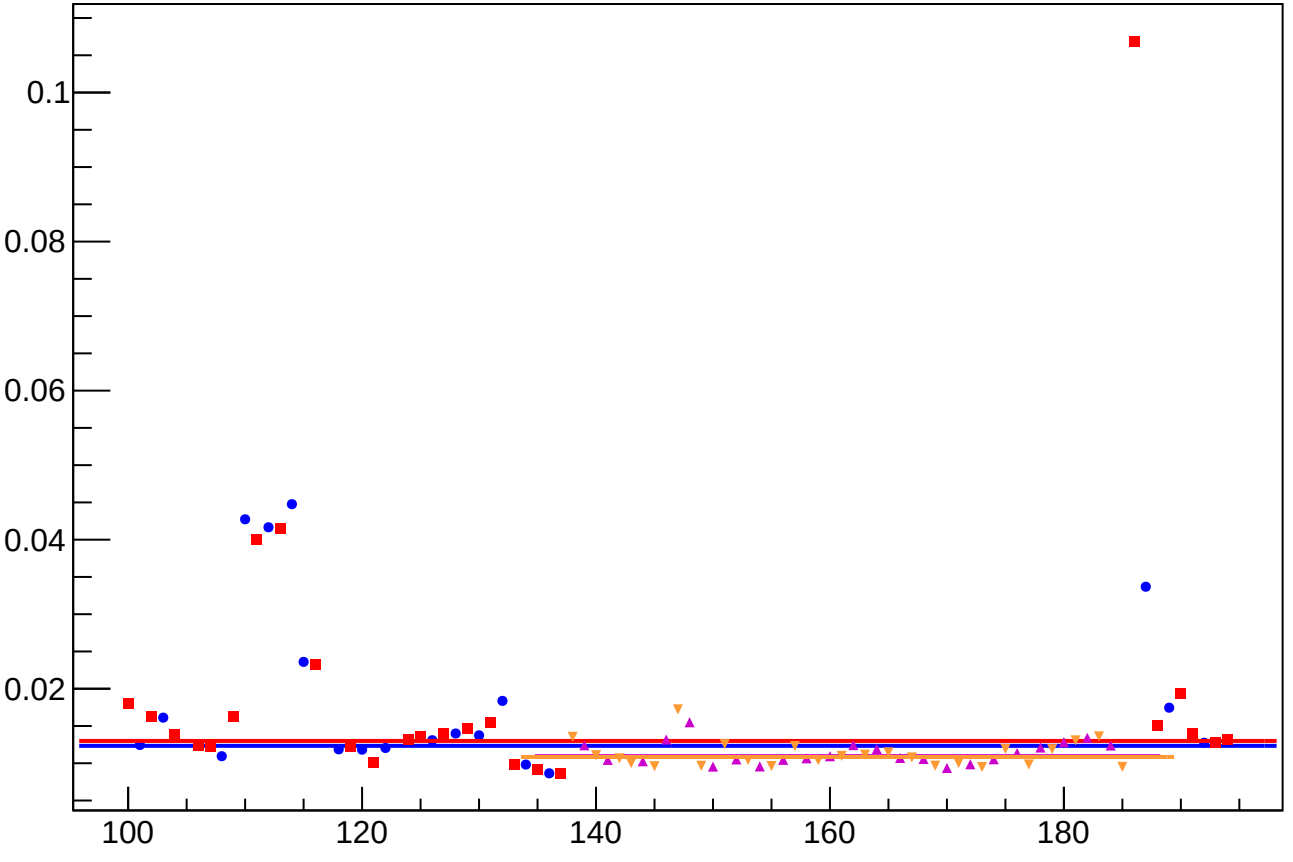
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.336+/-0.000 χ^2/NDF: 8144700071.1/43

All: 0.336+/-0.000 χ^2/NDF: 17337388450.7/9

- sign 0.337+/-0.000 χ^2/NDF: 9192409075.2/47

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: 2149091.0/24

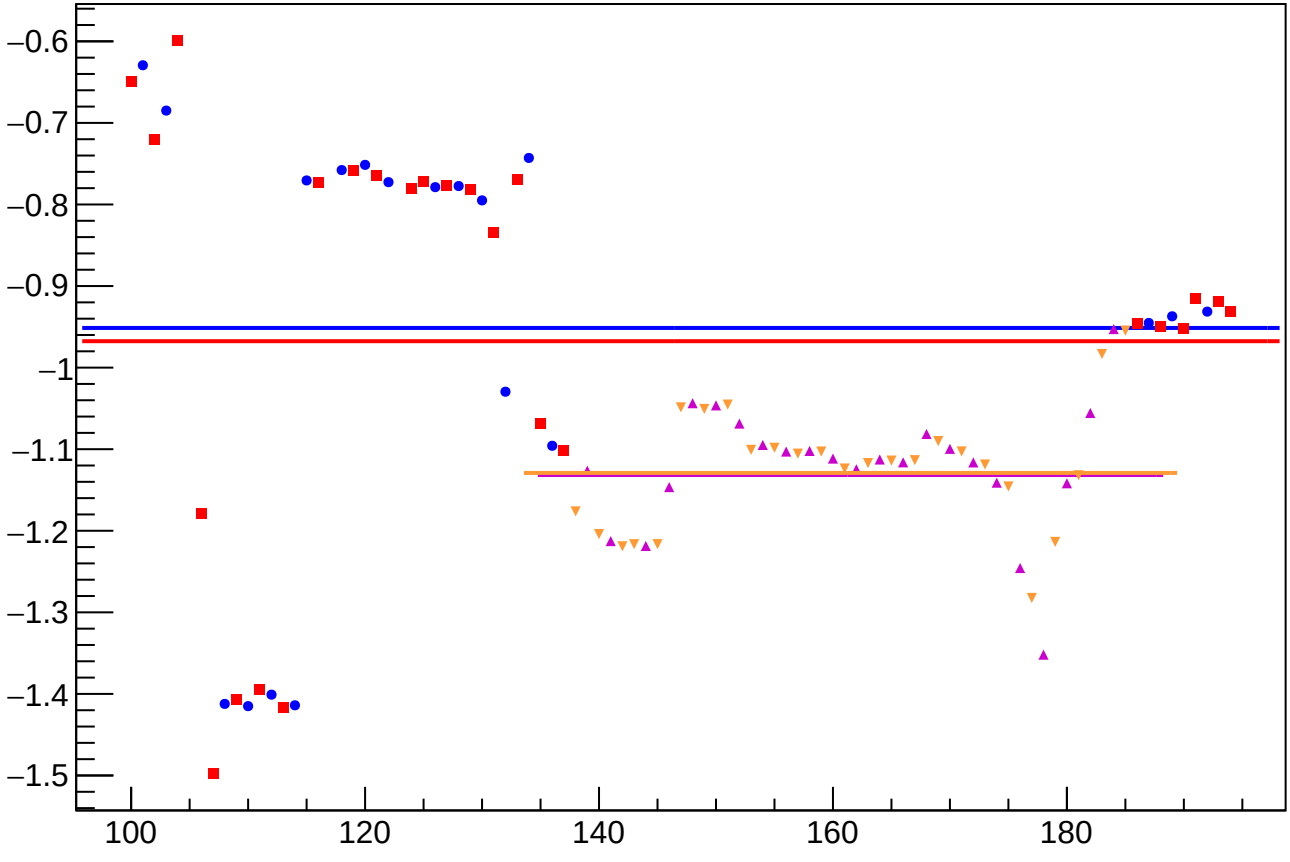
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2553552.6/43

All: 0.011+/-0.000 χ^2/NDF: 5565651.1/91

- sign 0.012+/-0.000 χ^2/NDF: 2992108.6/47

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: 715645243.6/24

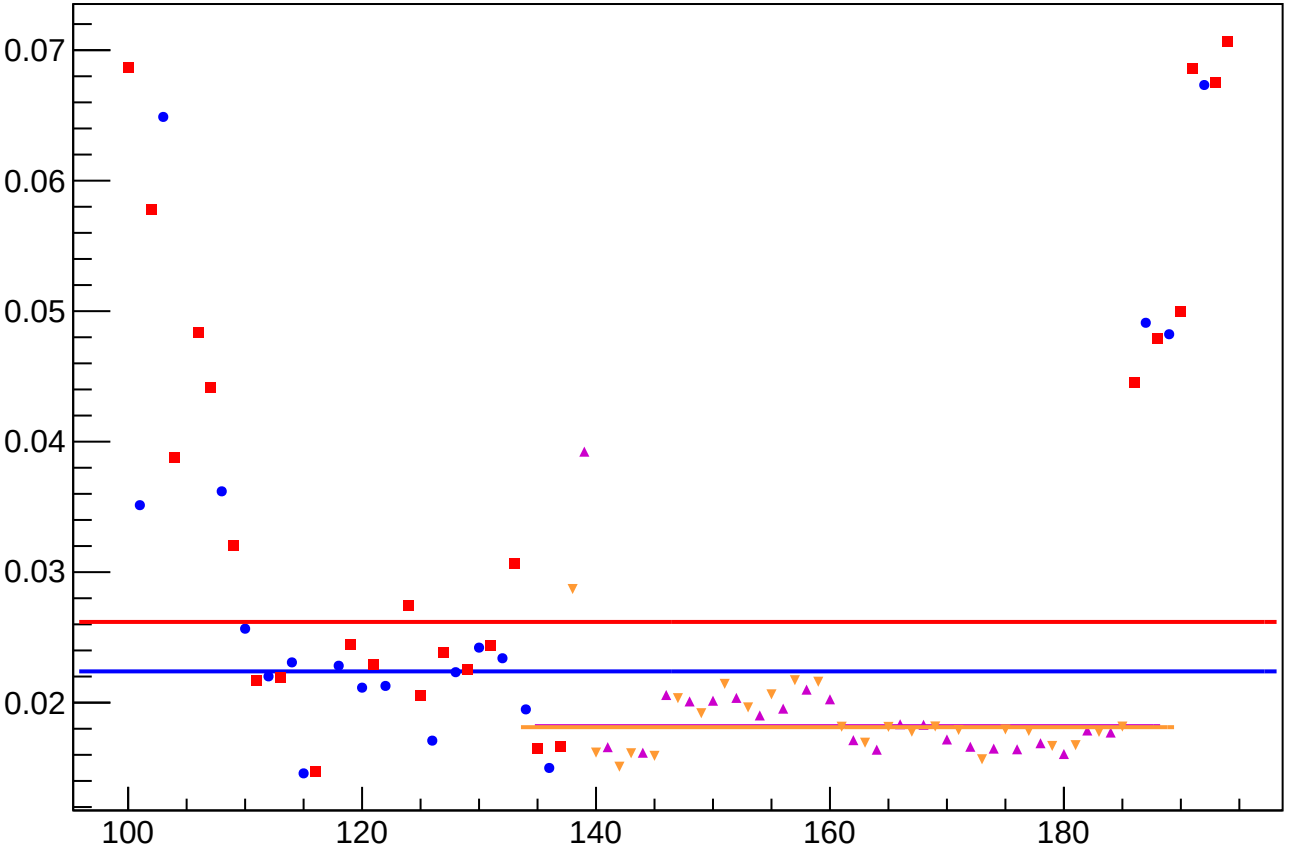
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.092+/-0.000 χ^2/NDF: 1253134459.3/43

All: -1.095+/-0.000 χ^2/NDF: 2476602178.9/9

- sign -1.098+/-0.000 χ^2/NDF: 1222439191.7/47

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: 0.026+/-0.000 χ^2/NDF: 3615067.8/24

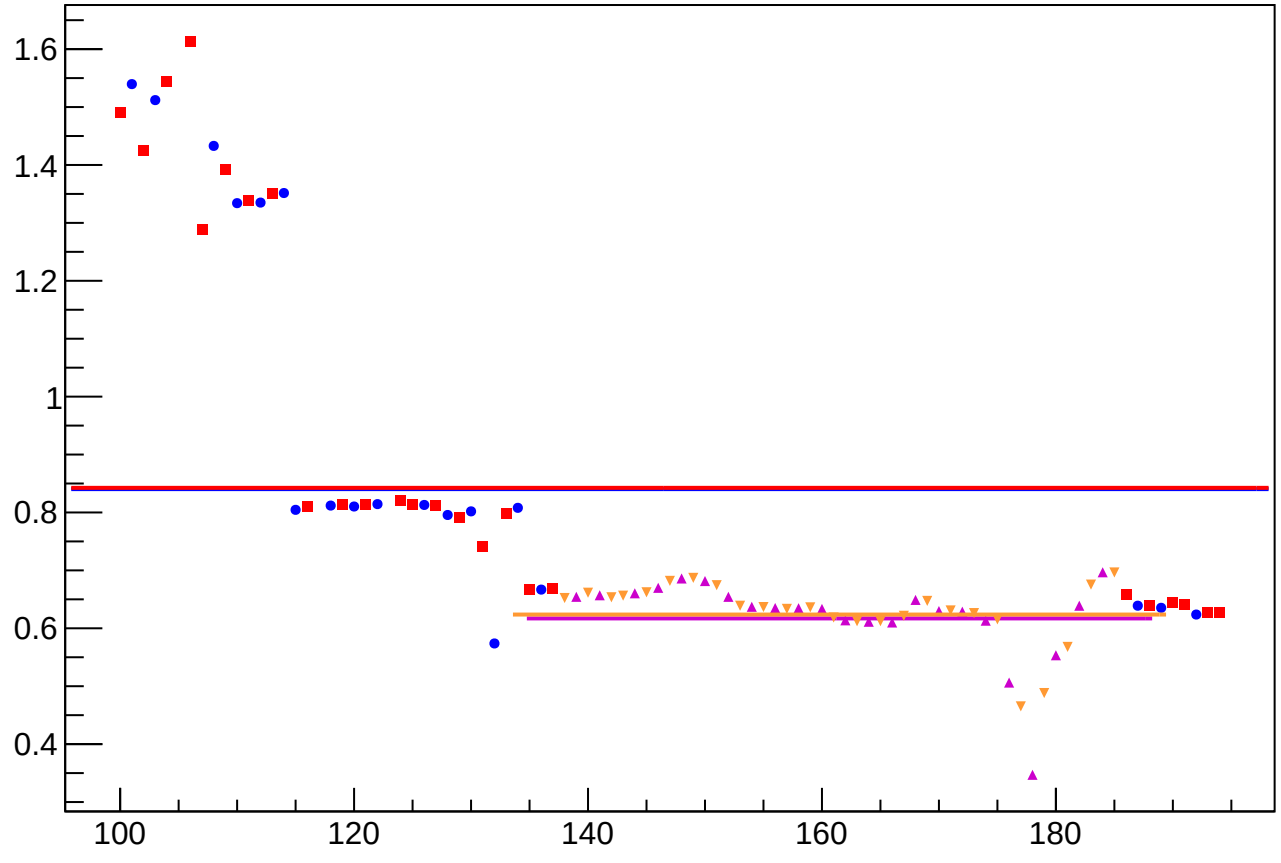
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 3299740.2/43

All: 0.019+/-0.000 χ^2/NDF: 8847755.0/91

- sign 0.020+/-0.000 χ^2/NDF: 5507754.0/47

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: 0.843+/-0.000 χ^2/NDF: 3486429711.9/24

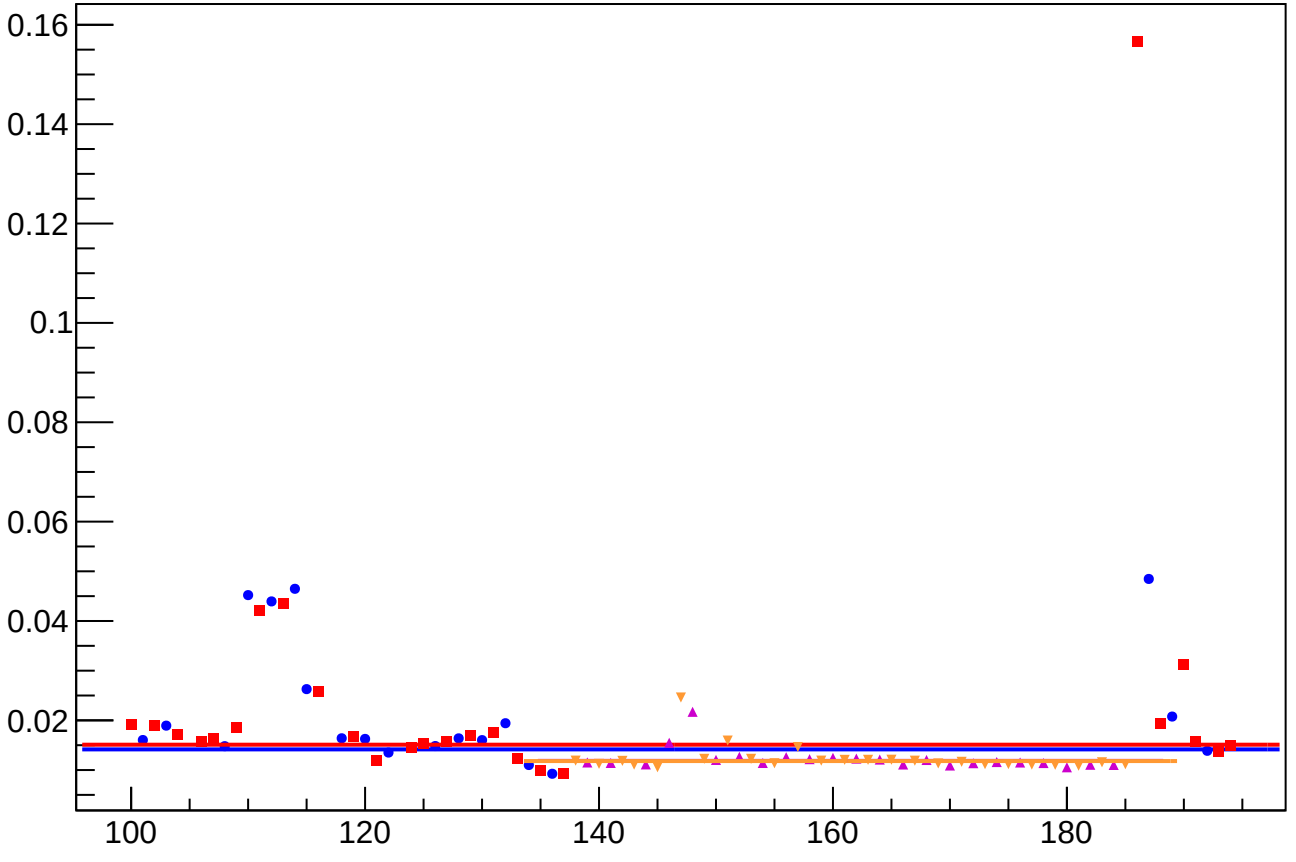
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.671+/-0.000 χ^2/NDF: 4866915856.7/43

All: 0.671+/-0.000 χ^2/NDF: 10553185188.5/9

- sign 0.672+/-0.000 χ^2/NDF: 5686105022.1/47

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: 2365476.6/24

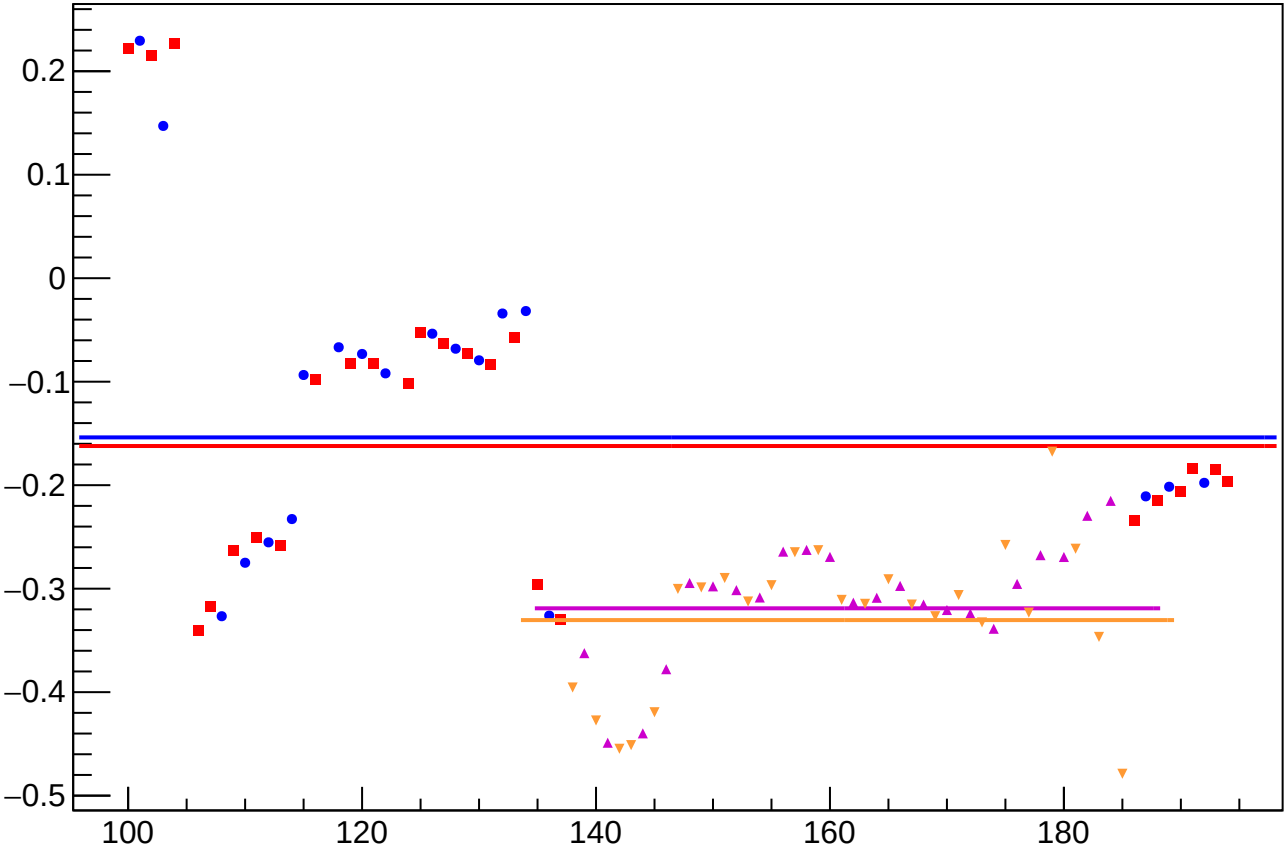
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 2913411.6/43

All: 0.012+/-0.000 χ^2/NDF: 6453496.8/91

- sign 0.013+/-0.000 χ^2/NDF: 3522509.9/47

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: 198127328.4/24

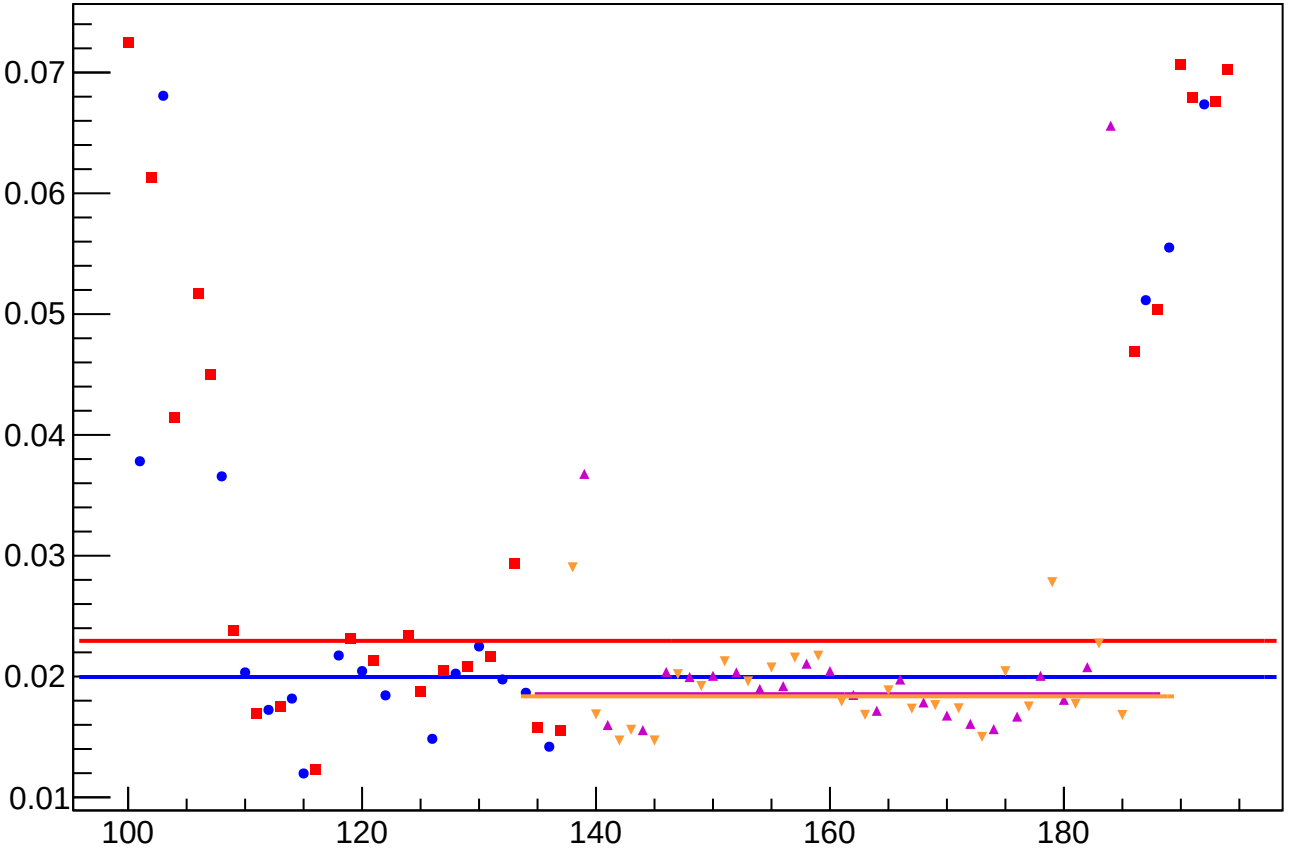
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.286+/-0.000 χ^2/NDF: 817550289.2/43

All: -0.283+/-0.000 χ^2/NDF: 1409986196.8/9

- sign -0.279+/-0.000 χ^2/NDF: 591277938.0/47

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: 0.023+/-0.000 χ^2/NDF: 4471209.5/24

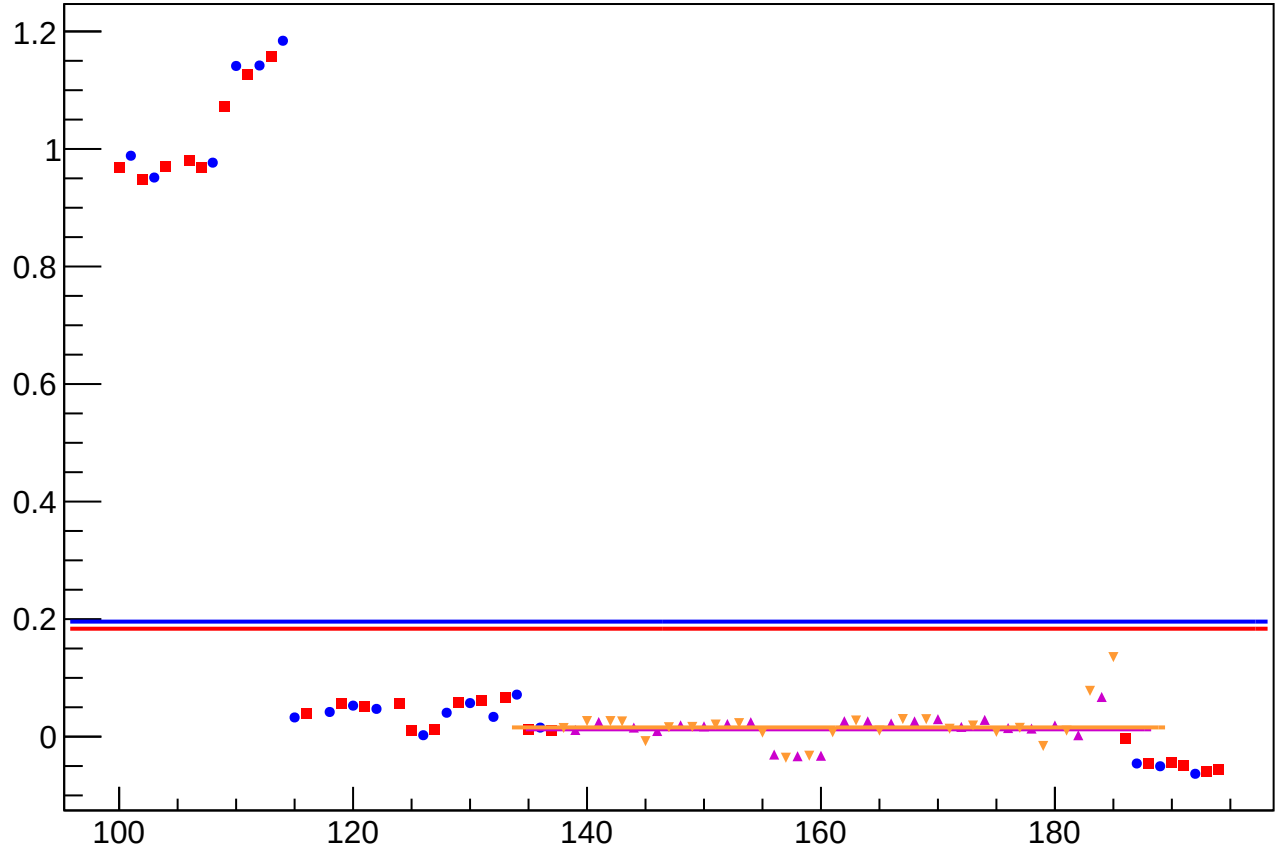
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 3681895.6/43

All: 0.019+/-0.000 χ^2/NDF: 9549317.6/91

- sign 0.020+/-0.000 χ^2/NDF: 5821267.6/47

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: 0.184+/-0.000 χ^2/NDF: 8028441078.9/24

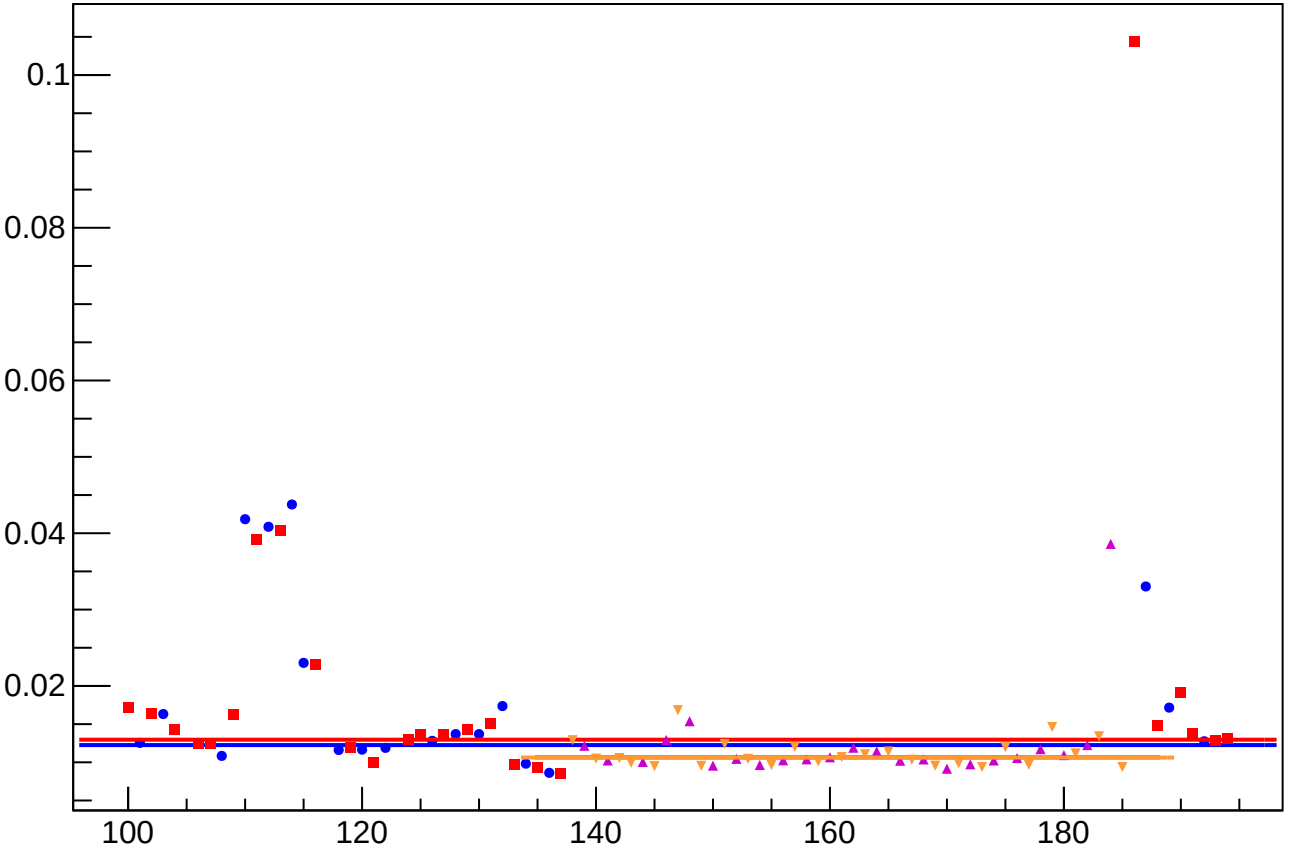
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.059+/-0.000 χ^2/NDF: 8430707710.4/43

All: 0.059+/-0.000 χ^2/NDF: 17701200483.6/9

- sign 0.059+/-0.000 χ^2/NDF: 9270484163.1/47

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

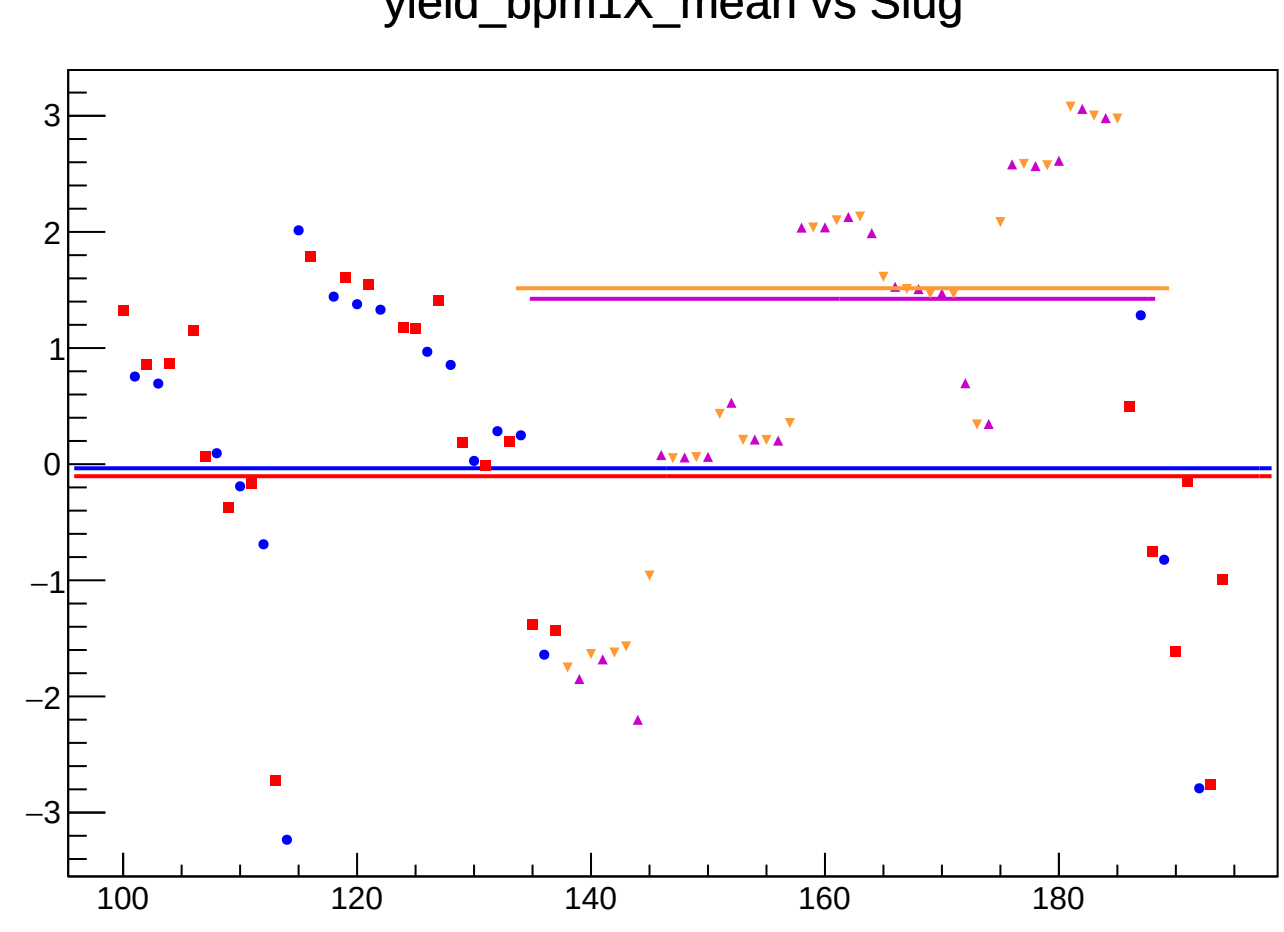
Right Out: 0.013+/-0.000 χ^2/NDF: 2093193.9/24

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: 5632206.8/91

- sign 0.011+/-0.000 χ^2/NDF: 3099307.2/47



Right In: -0.035+/-0.000 χ^2/NDF: 3978950342.3/18

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.104+/-0.000 χ^2/NDF: 4164187930.5/24

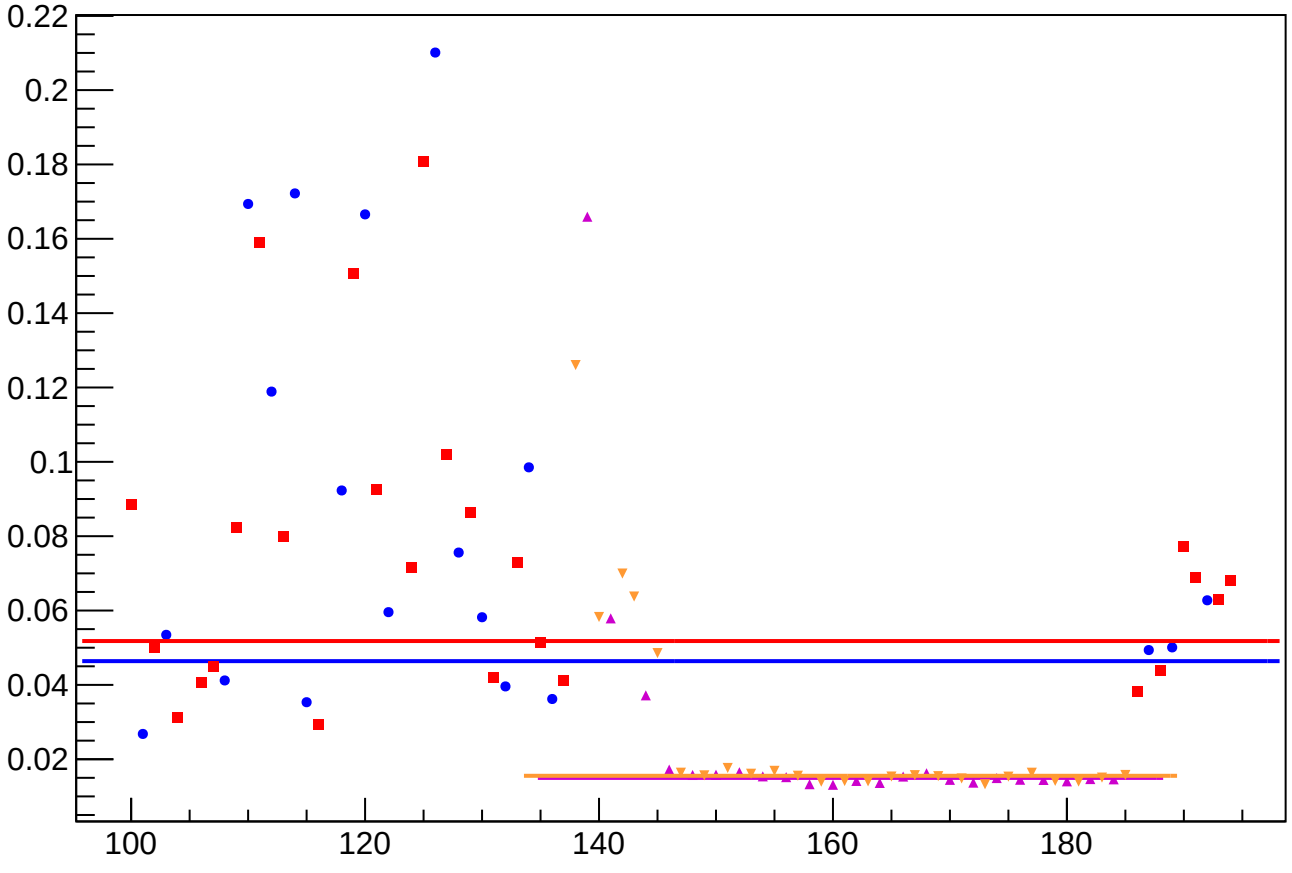
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.454+/-0.000 χ^2/NDF: 77473771460.1/43

All: 1.405+/-0.000 χ^2/NDF: 156317955356.9

- sign 1.357+/-0.000 χ^2/NDF: 78542584921.5/47

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

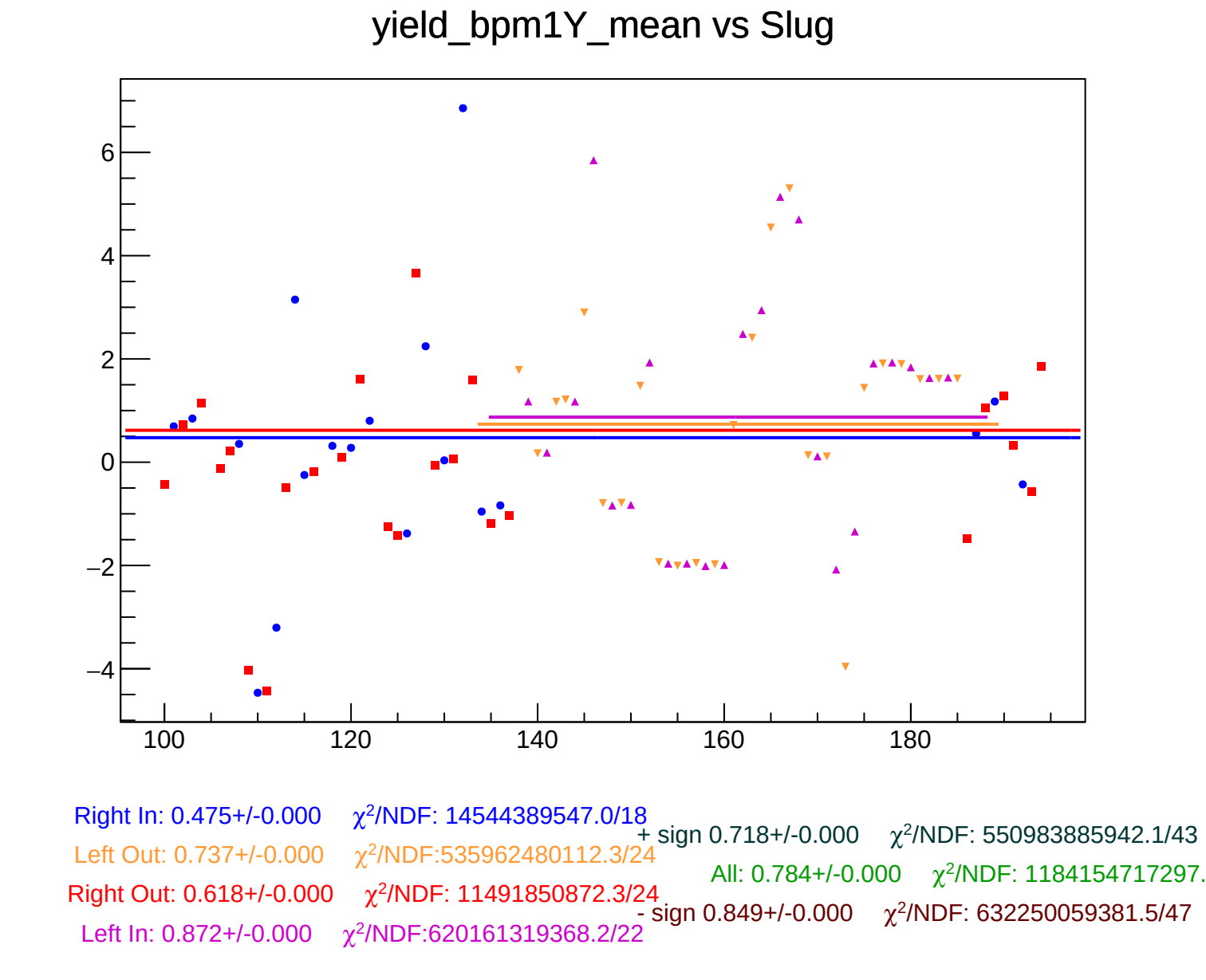
Right Out: 0.052+/-0.000 χ^2/NDF: 2764674.5/24

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

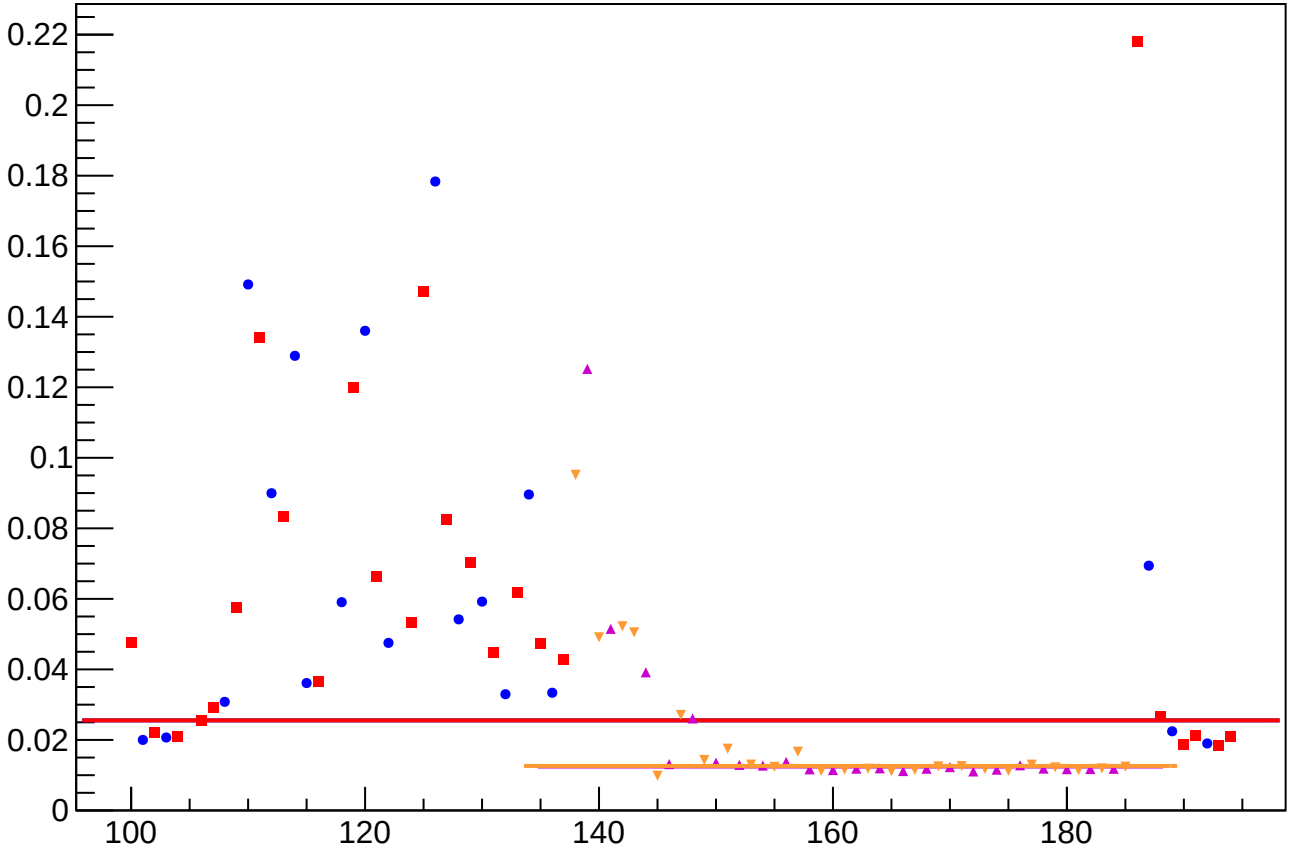
+ sign 0.017+/-0.000 χ^2/NDF: 10446968.7/43

All: 0.017+/-0.000 χ^2/NDF: 22753333.5/91

- sign 0.017+/-0.000 χ^2/NDF: 12304519.6/47


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: 0.618+/-0.000 χ²/NDF: 11491850872.3/24
Left In: 0.872+/-0.000 χ²/NDF:620161319368.2/22
+ sign 0.718+/-0.000 χ²/NDF: 550983885942.1/43
All: 0.784+/-0.000 χ²/NDF: 1184154717297.
- sign 0.849+/-0.000 χ²/NDF: 632250059381.5/47

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: 0.026+/-0.000 χ^2/NDF: 4649835.5/24

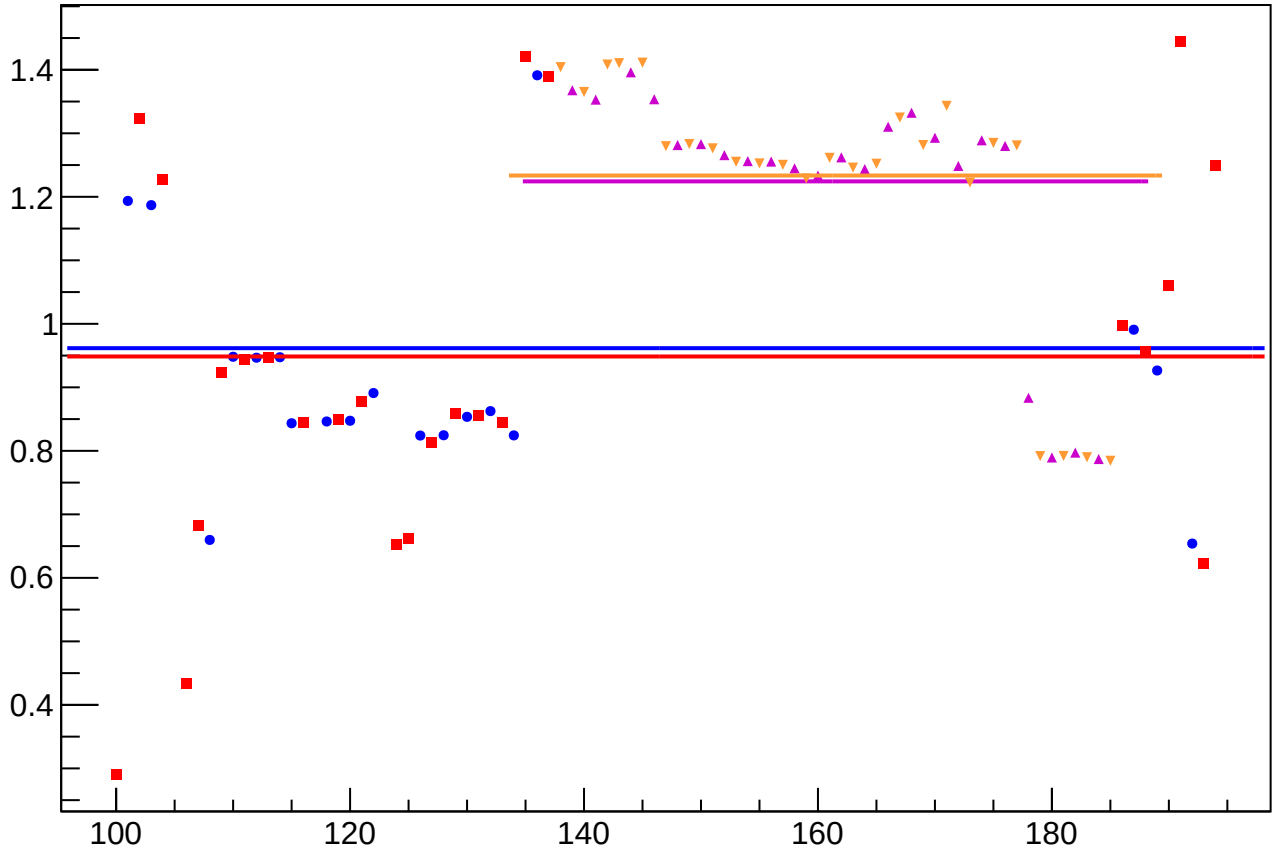
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 9198098.1/43

All: 0.014+/-0.000 χ^2/NDF: 19765433.9/91

- sign 0.014+/-0.000 χ^2/NDF: 10565083.7/47

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: 0.949+/-0.000 χ^2/NDF: 1930020969.9/24

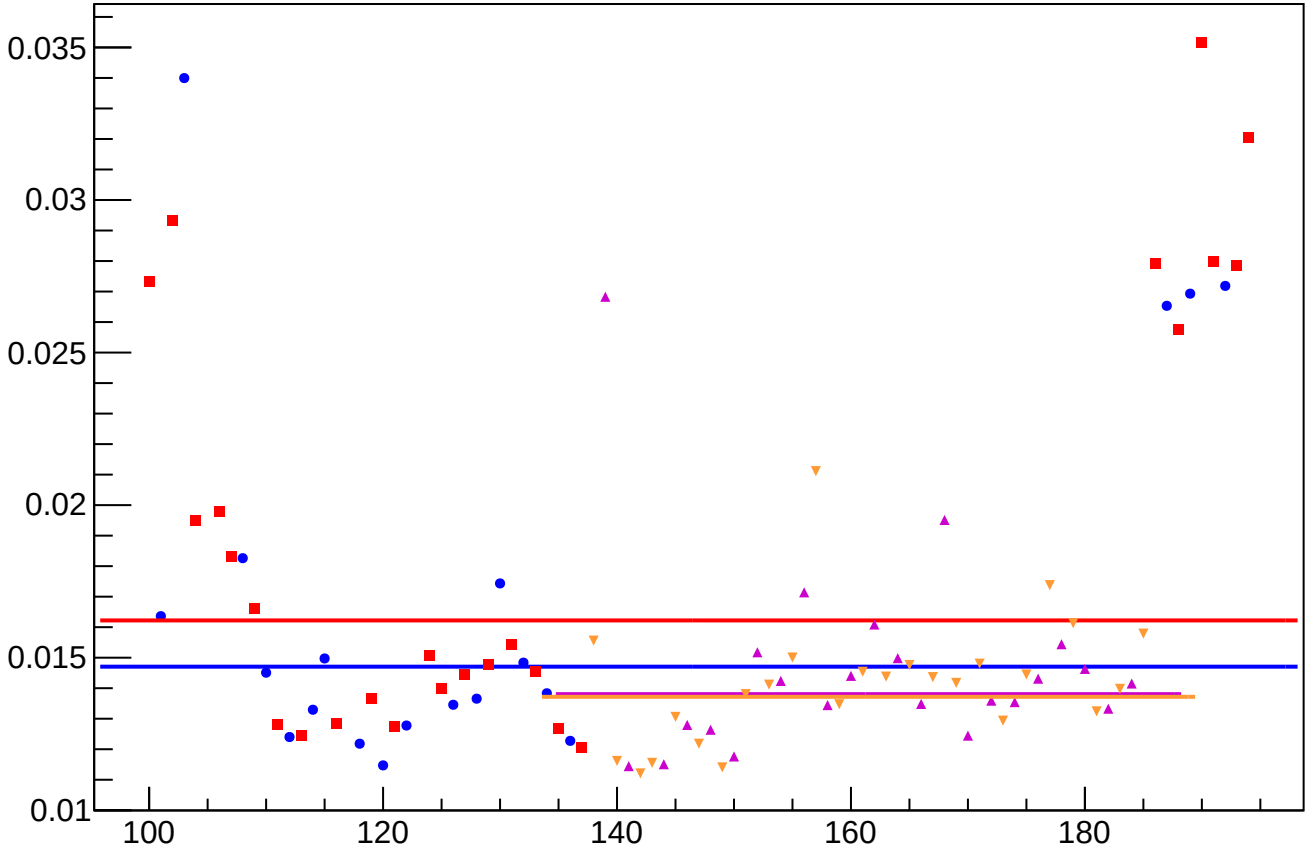
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.158+/-0.000 χ^2/NDF: 6478680462.5/43

All: 1.151+/-0.000 χ^2/NDF: 12953734158.6/9

- sign 1.144+/-0.000 χ^2/NDF: 6463334757.7/47

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: 2087759.9/24

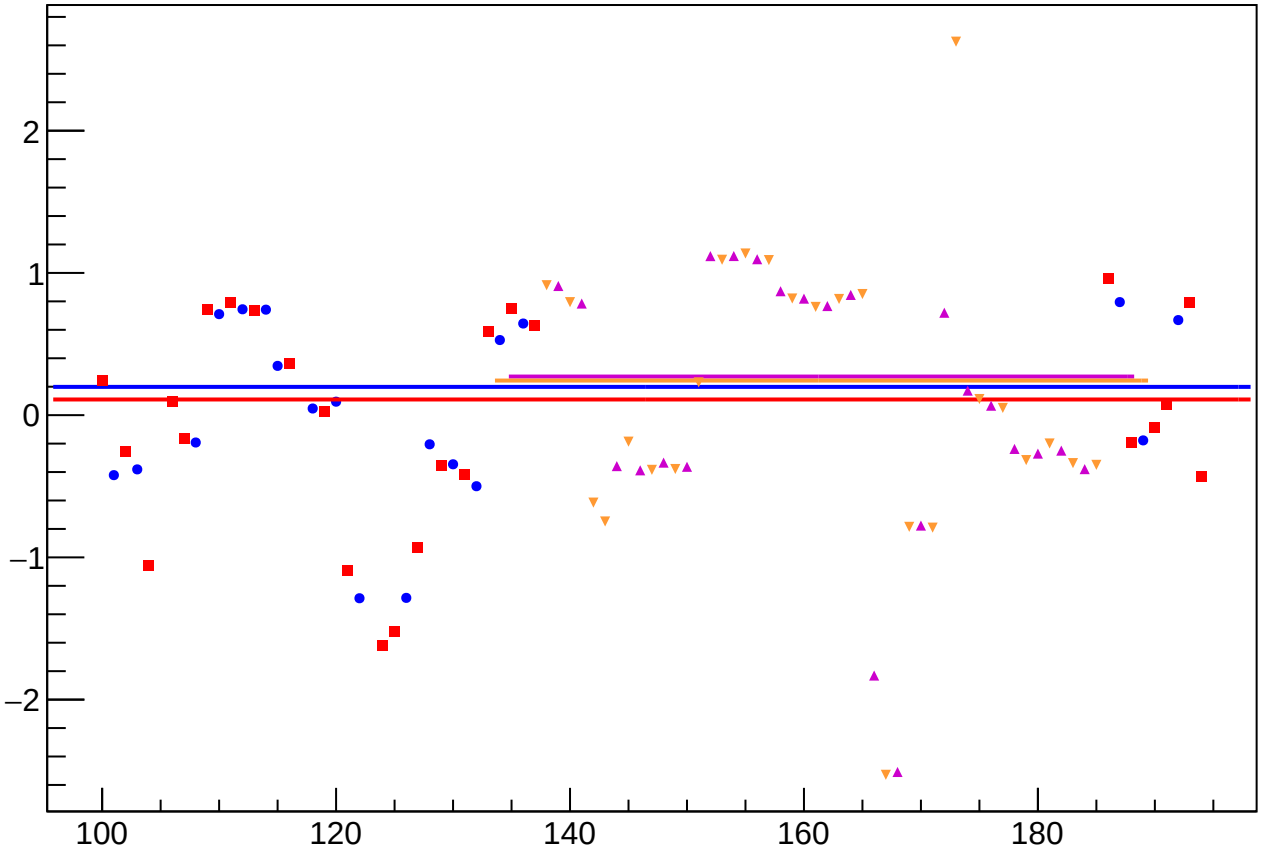
Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 1921729.7/43

All: 0.014+/-0.000 χ^2/NDF: 5200773.1/91

- sign 0.015+/-0.000 χ^2/NDF: 3246703.5/47

yield_bpm11Y_mean vs Slug



Right In: 0.199+/-0.000 χ^2/NDF: 13913954654.8/18

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.110+/-0.000 χ^2/NDF: 23076803341.7/24

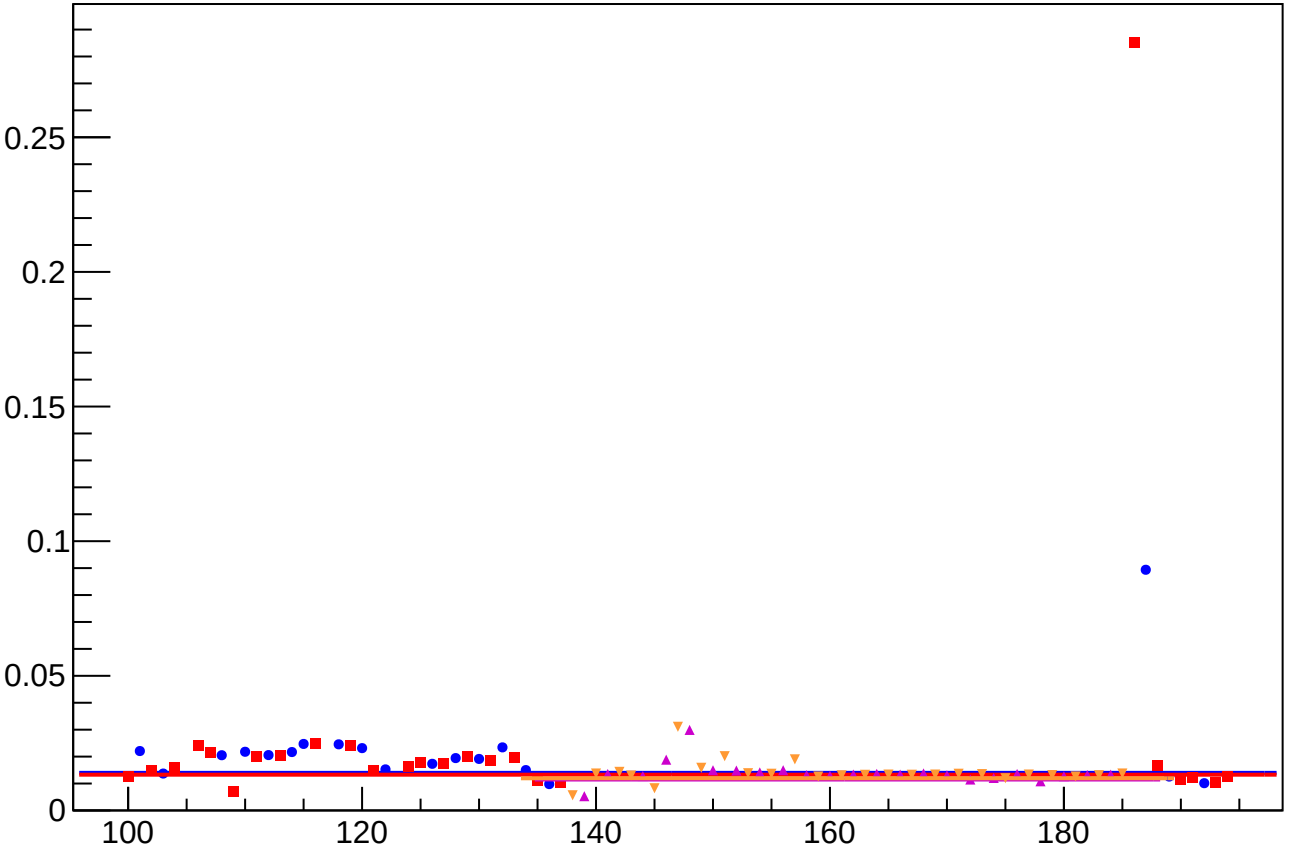
Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

+ sign 0.233+/-0.000 χ^2/NDF: 119561351176.9/43

All: 0.228+/-0.000 χ^2/NDF: 234042195298.4

- sign 0.224+/-0.000 χ^2/NDF: 114475121035.2/47

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: 2614231.8/24

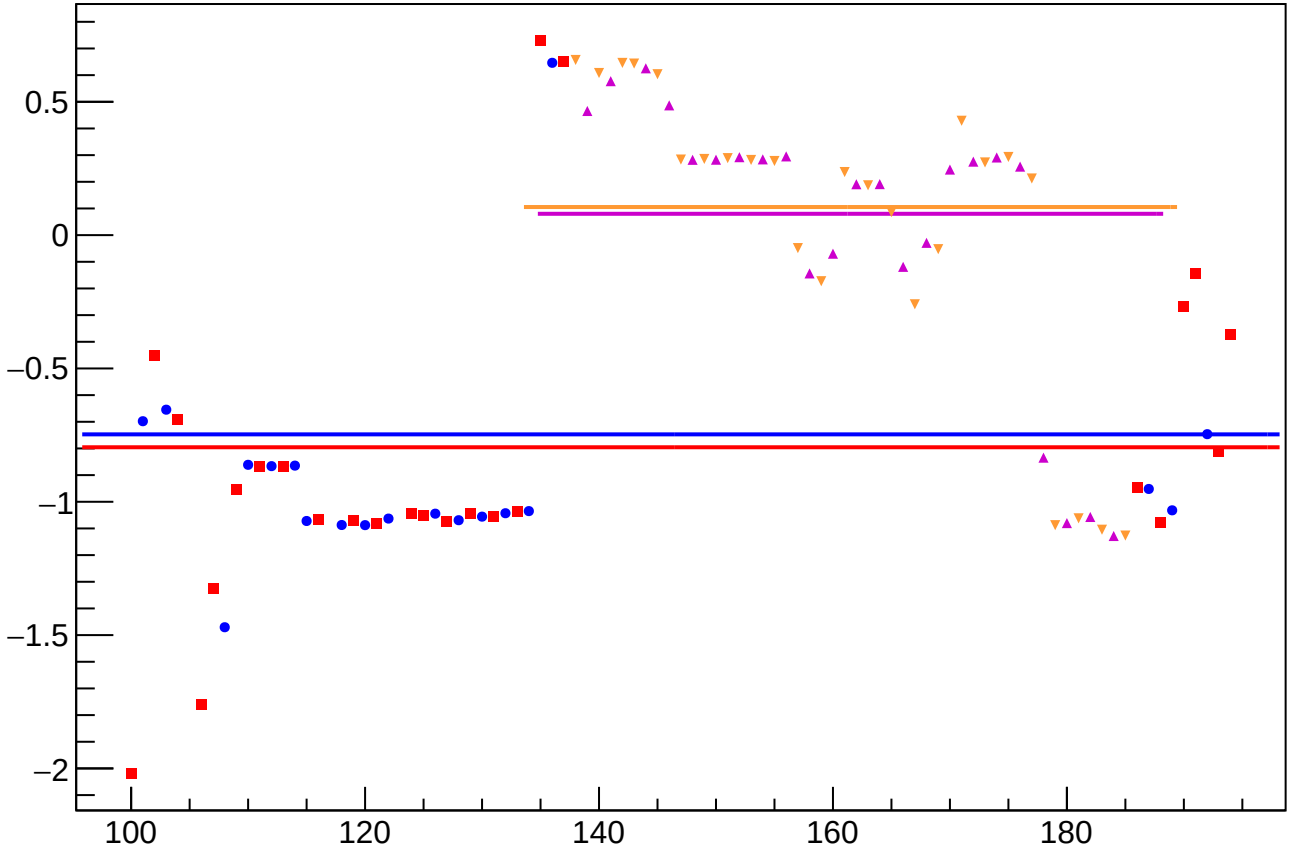
Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 5434871.3/43

All: 0.012+/-0.000 χ^2/NDF: 11970719.8/91

- sign 0.012+/-0.000 χ^2/NDF: 6507875.0/47

yield_bpm12X_mean vs Slug



Right In: -0.747+/-0.000 χ^2/NDF: 2087352128.8/18

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.796+/-0.000 χ^2/NDF: 1974259682.3/24

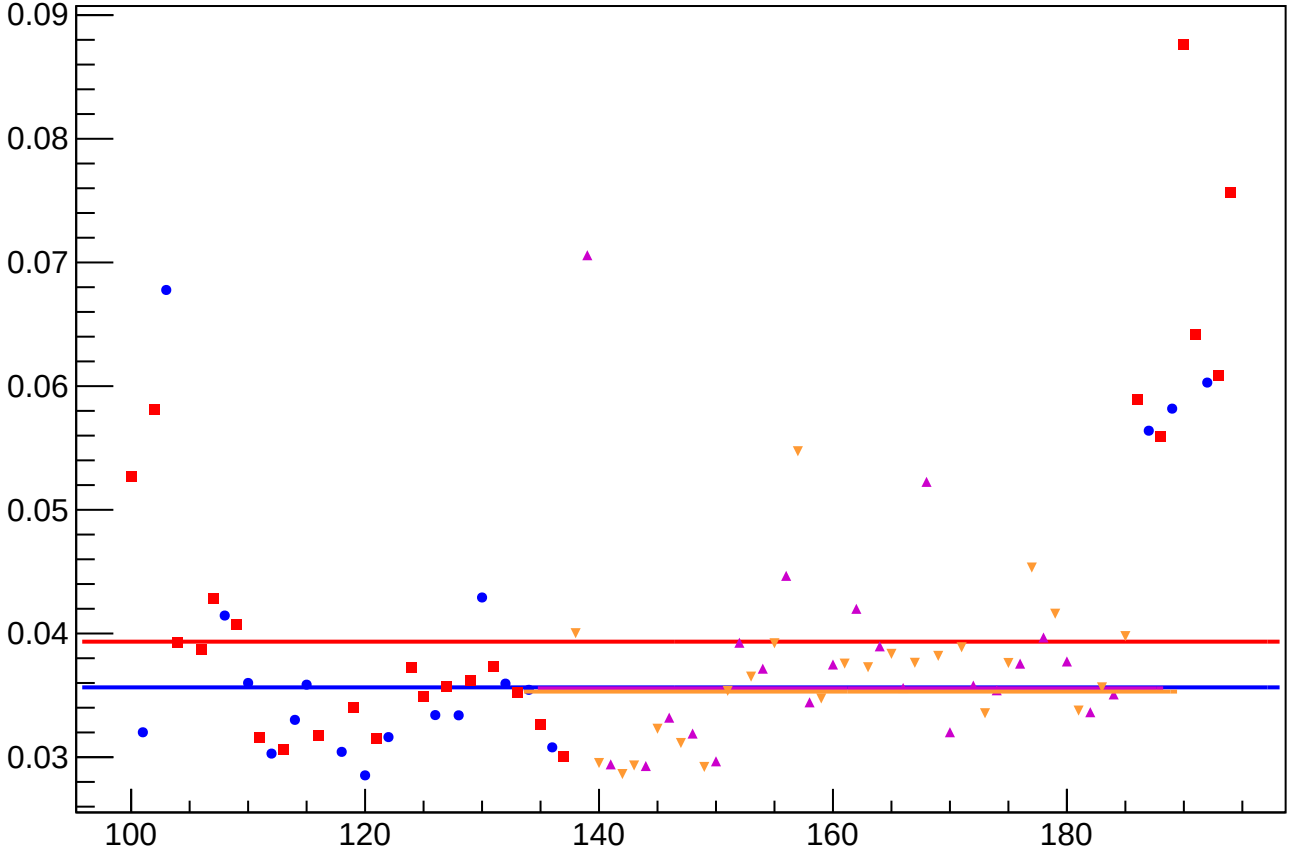
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.158+/-0.000 χ^2/NDF: 8899207656.0/43

All: -0.179+/-0.000 χ^2/NDF: 17299835847.8/

- sign -0.202+/-0.000 χ^2/NDF: 8381984600.6/47

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: 0.039+/-0.000 χ^2/NDF: 1576888.5/24

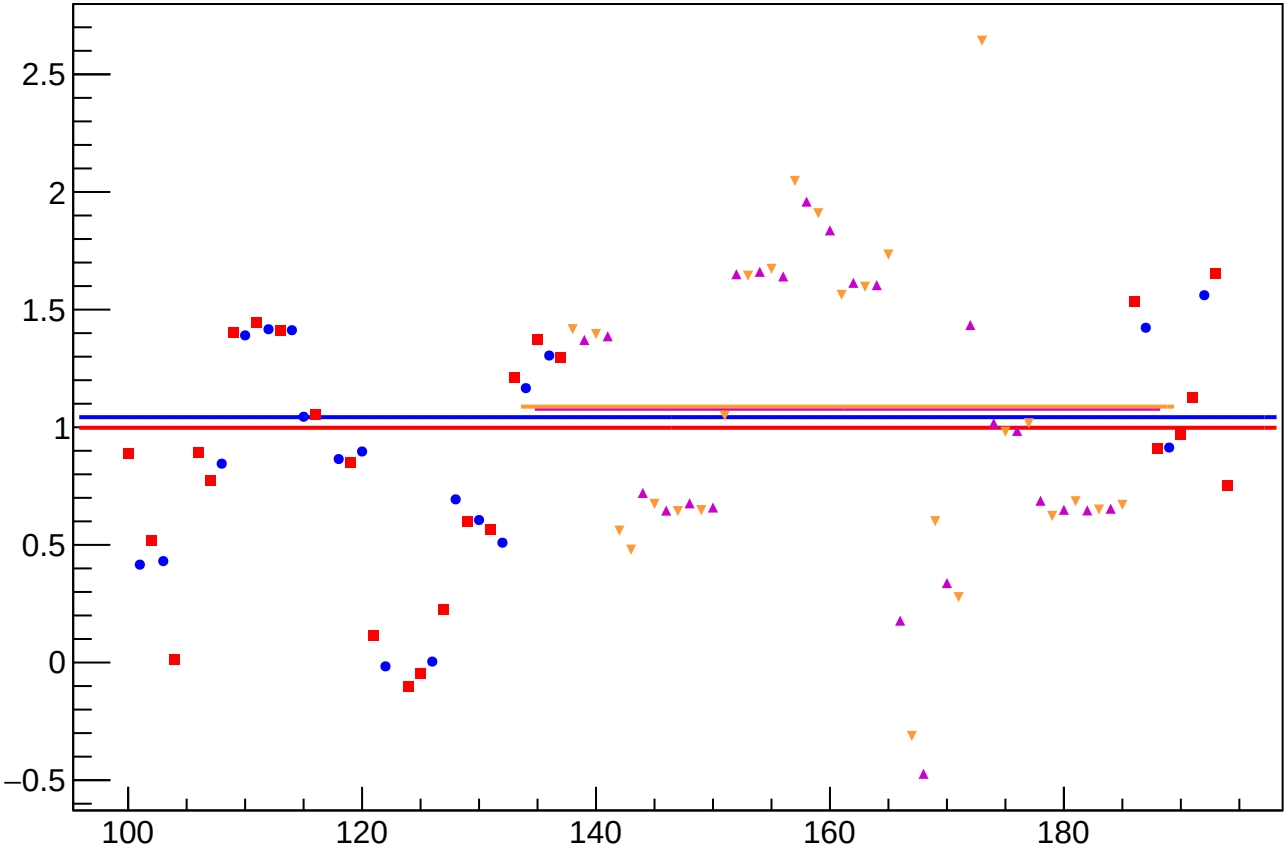
Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.035+/-0.000 χ^2/NDF: 1590474.1/43

All: 0.036+/-0.000 χ^2/NDF: 4280416.2/91

- sign 0.037+/-0.000 χ^2/NDF: 2654068.5/47

yield_bpm12Y_mean vs Slug



Right In: 1.043+/-0.000 χ^2/NDF: 18688175452.1/18

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.998+/-0.000 χ^2/NDF: 25154559239.9/24

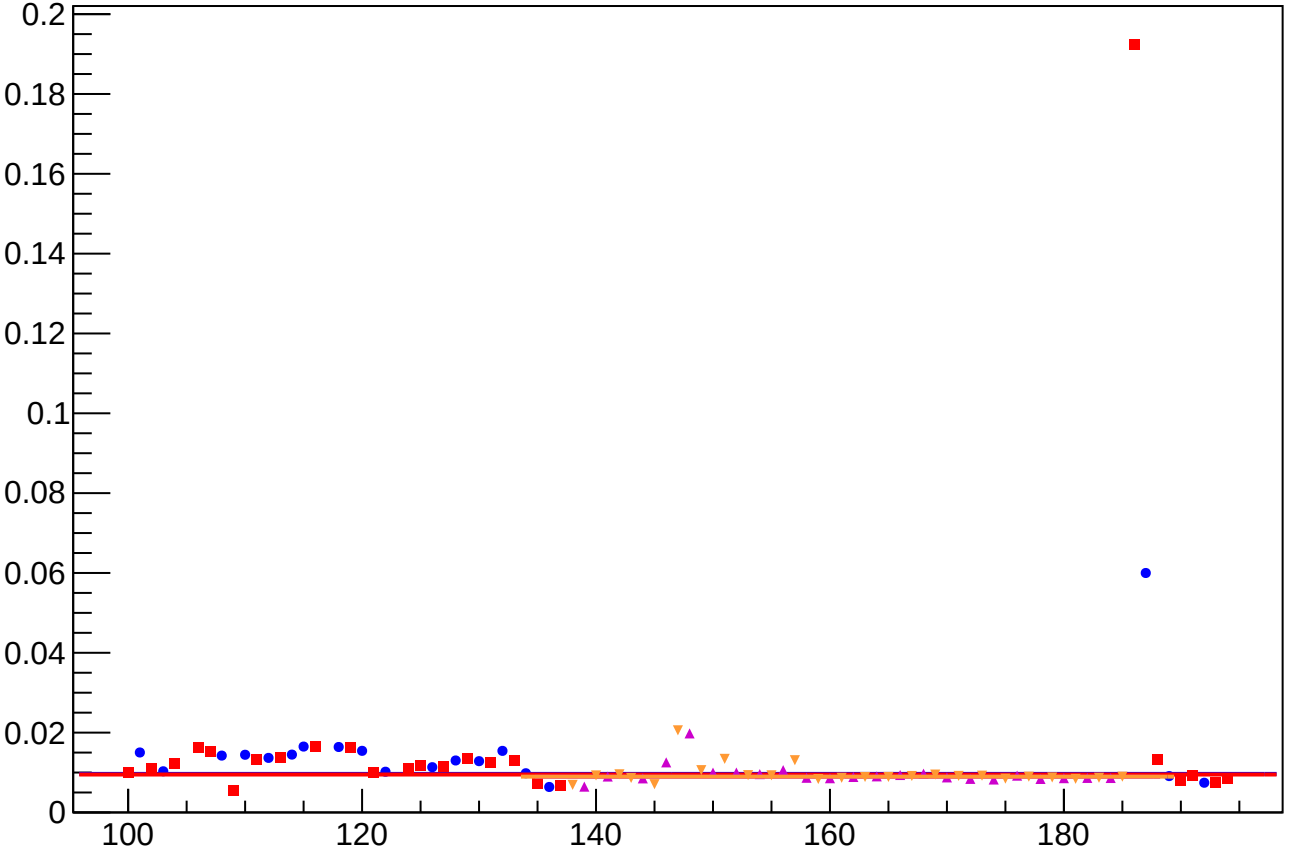
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.076+/-0.000 χ^2/NDF: 112655330241.4/43

All: 1.064+/-0.000 χ^2/NDF: 212408929026.9

- sign 1.053+/-0.000 χ^2/NDF: 99672872609.4/47

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: 2327804.0/24

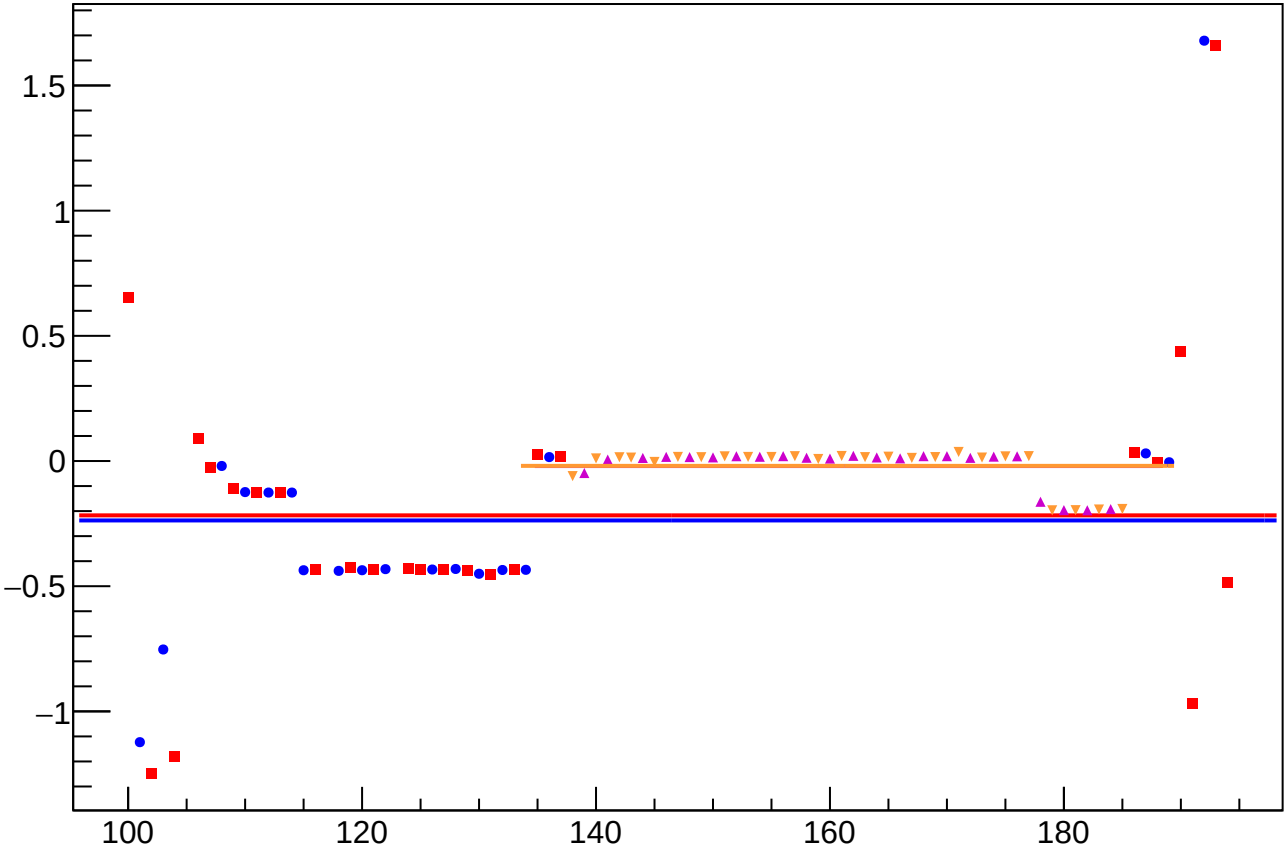
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 3023253.9/43

All: 0.009+/-0.000 χ^2/NDF: 6359557.1/91

- sign 0.009+/-0.000 χ^2/NDF: 3336102.9/47

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: -0.217+/-0.000 χ^2/NDF: 2611880830.6/24

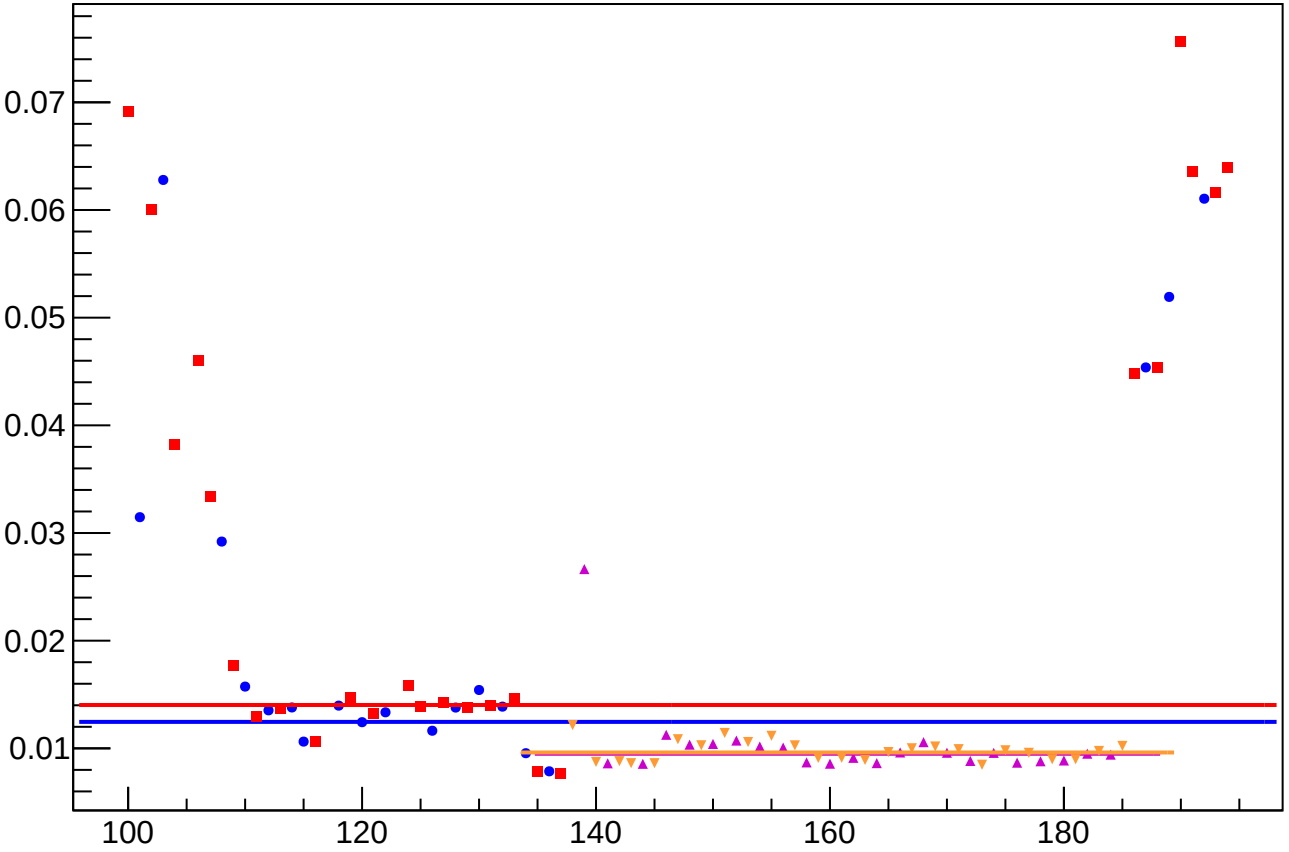
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.056+/-0.000 χ^2/NDF: 5469812158.7/43

All: -0.054+/-0.000 χ^2/NDF: 10135900527.0/

- sign -0.052+/-0.000 χ^2/NDF: 4664506044.8/47

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 3910177.5/18

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.014+/-0.000 χ^2/NDF: 6298457.3/24

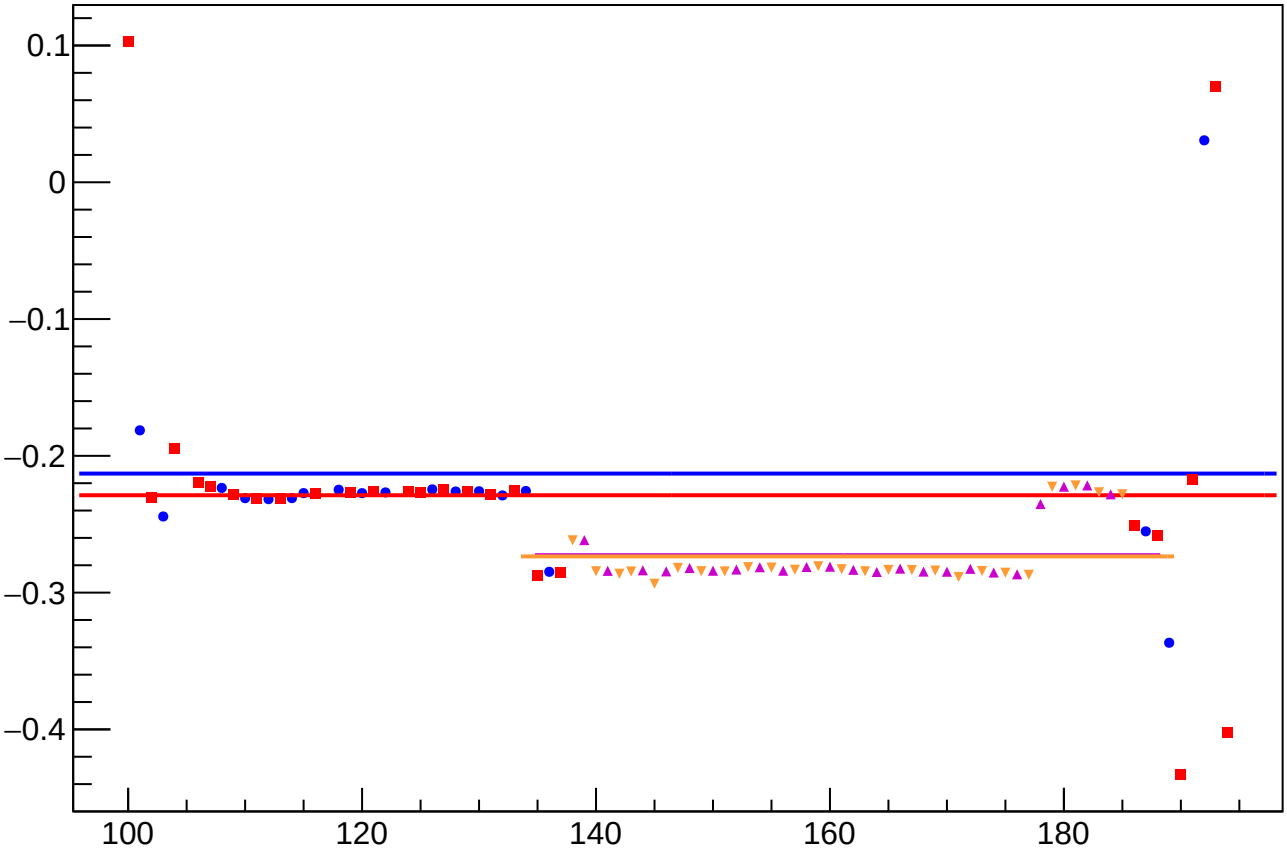
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 4665954.3/43

All: 0.010+/-0.000 χ^2/NDF: 12998516.5/91

- sign 0.010+/-0.000 χ^2/NDF: 8328440.0/47

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: -0.229+/-0.000 χ^2/NDF: 3471646345.0/24

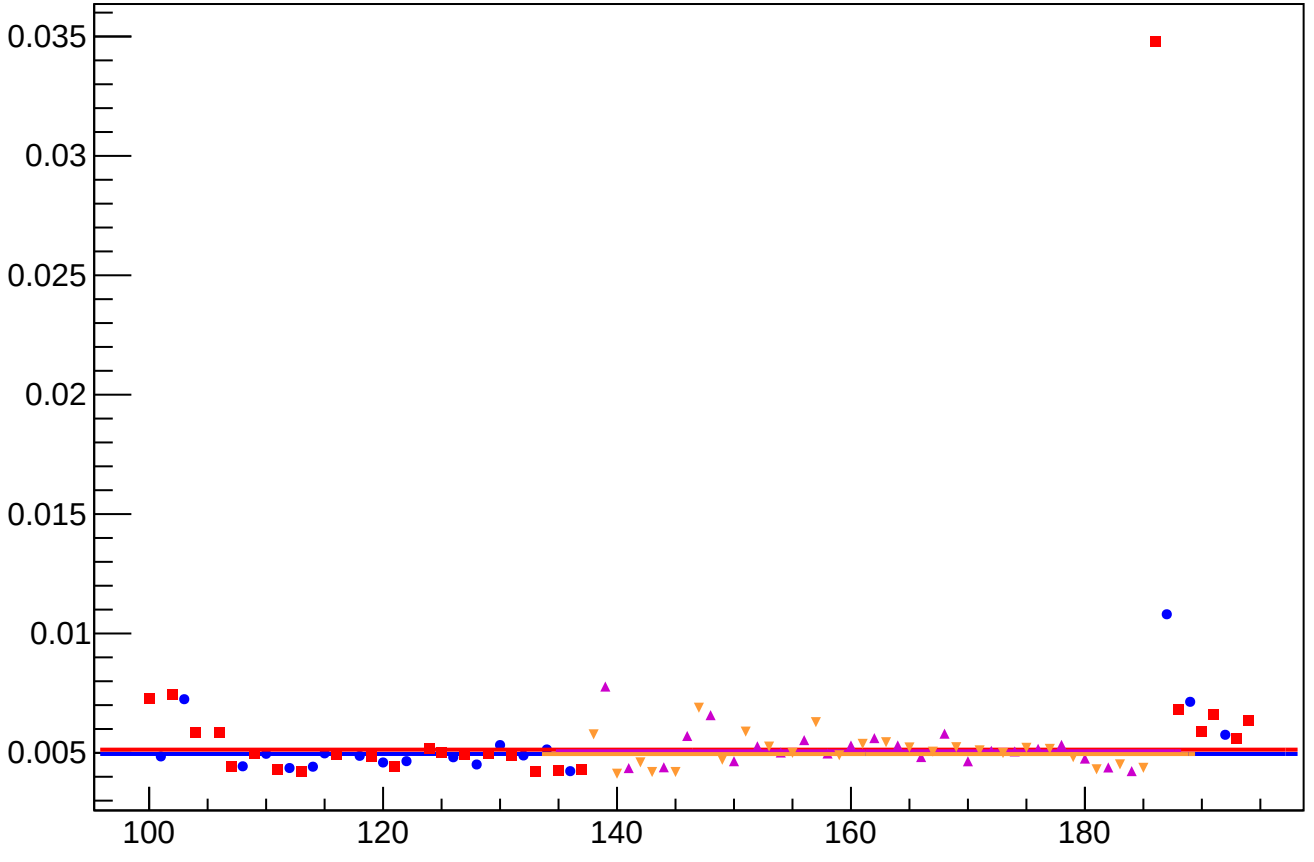
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.255+/-0.000 χ^2/NDF: 3387590574.4/43

All: -0.256+/-0.000 χ^2/NDF: 7653844934.4/9

- sign -0.257+/-0.000 χ^2/NDF: 4264316193.4/47

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: 1132849.1/24

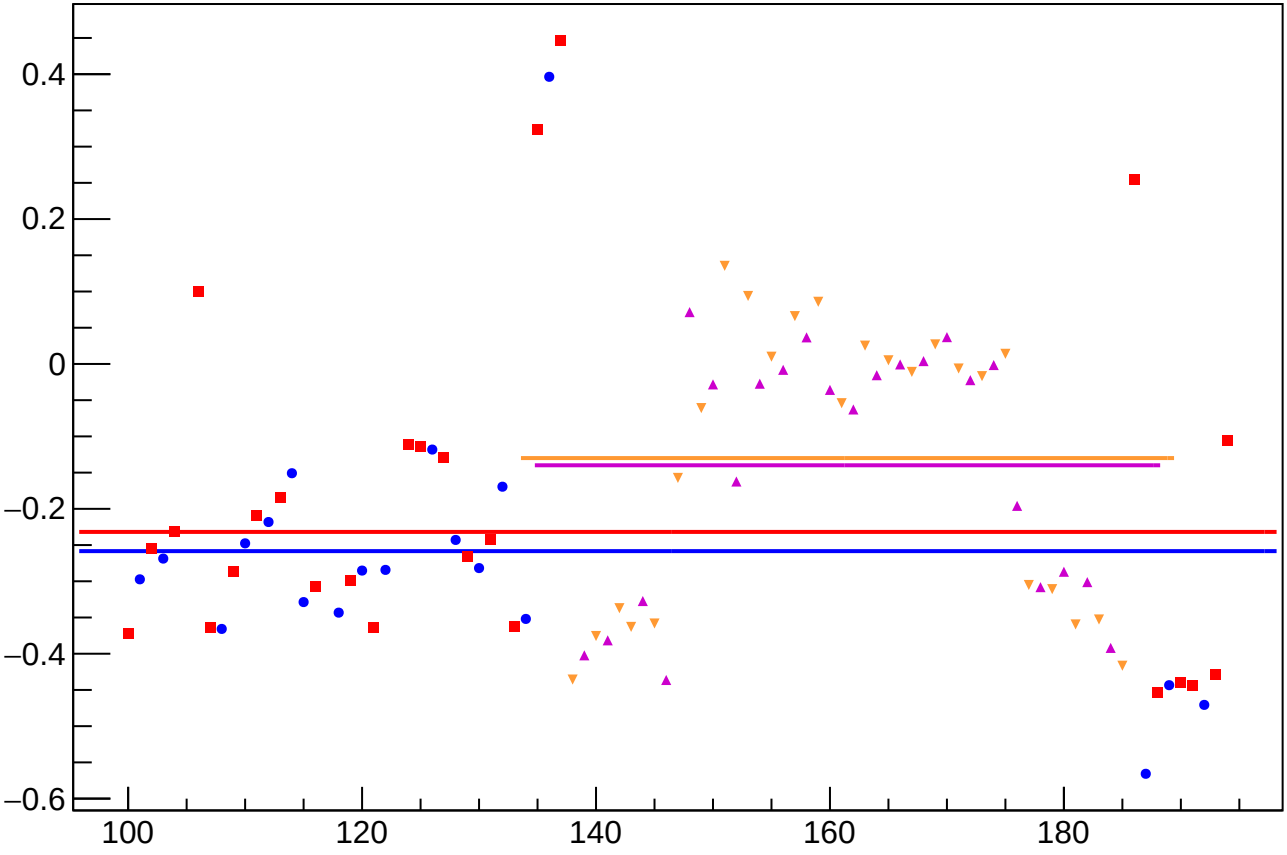
Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 973325.2/43

All: 0.005+/-0.000 χ^2/NDF: 2668354.1/91

- sign 0.005+/-0.000 χ^2/NDF: 1674502.3/47

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: -0.232+/-0.000 χ^2/NDF: 9814424936.3/24

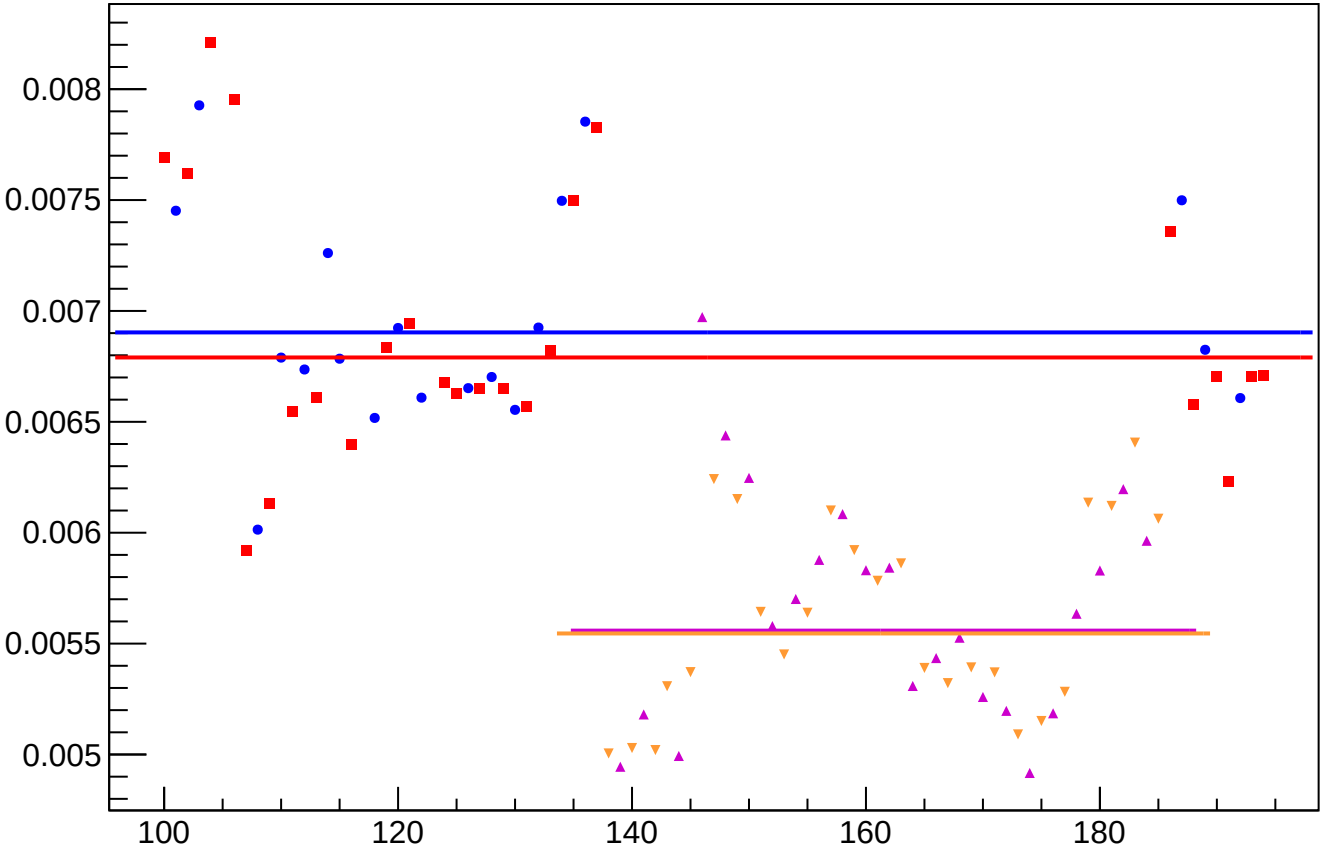
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.160+/-0.000 χ^2/NDF: 32095812184.2/43

All: -0.164+/-0.000 χ^2/NDF: 58475878223.3/

- sign -0.167+/-0.000 χ^2/NDF: 26360707912.5/47

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

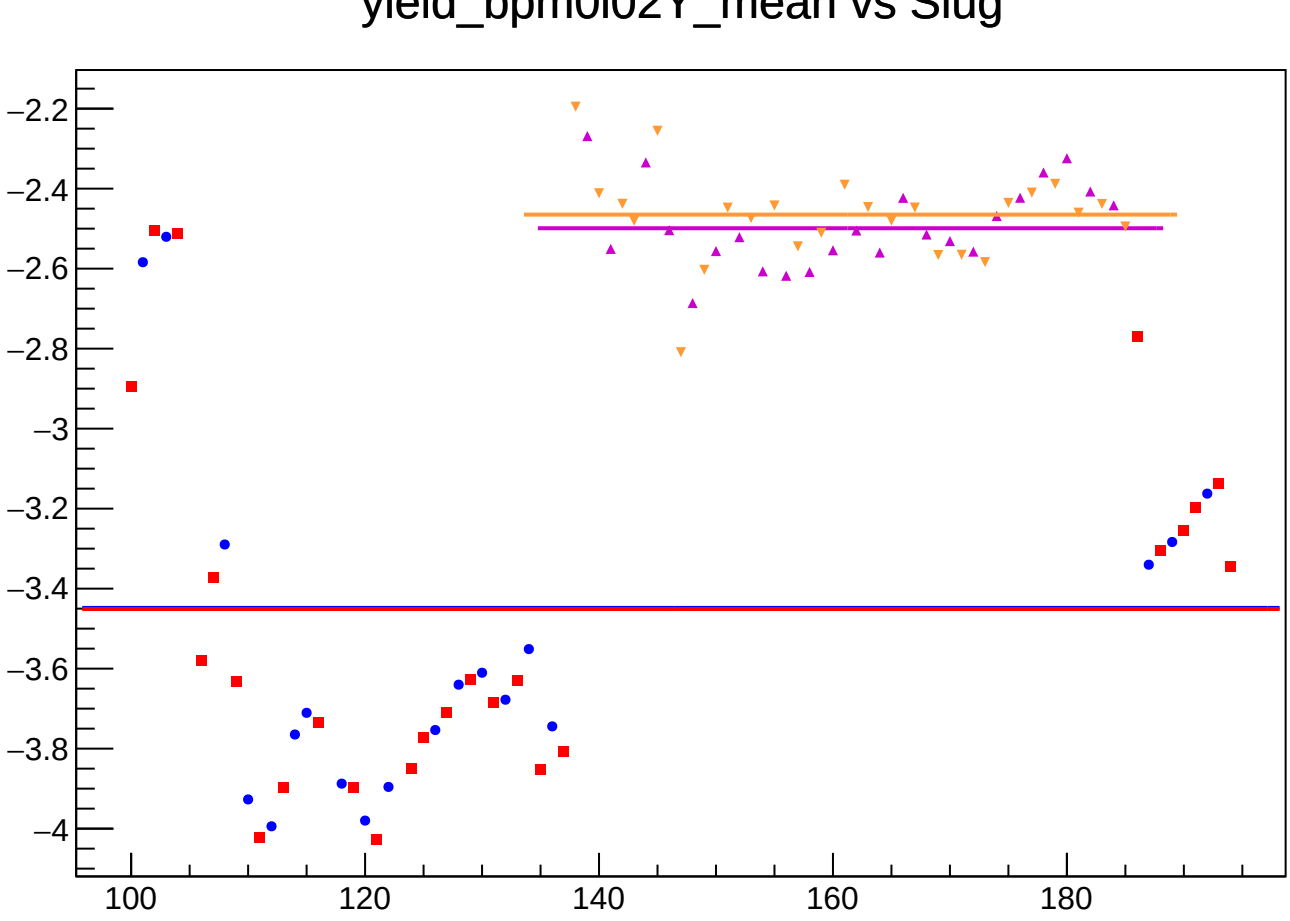
Right Out: 0.007+/-0.000 χ^2/NDF: 112059.9/24

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: 1686230.8/91

\- sign 0.006+/-0.000 χ^2/NDF: 874377.6/47



Right In: -3.448+/-0.000 χ^2/NDF: 30308007267.6/18

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.451+/-0.000 χ^2/NDF: 32536420079.1/24

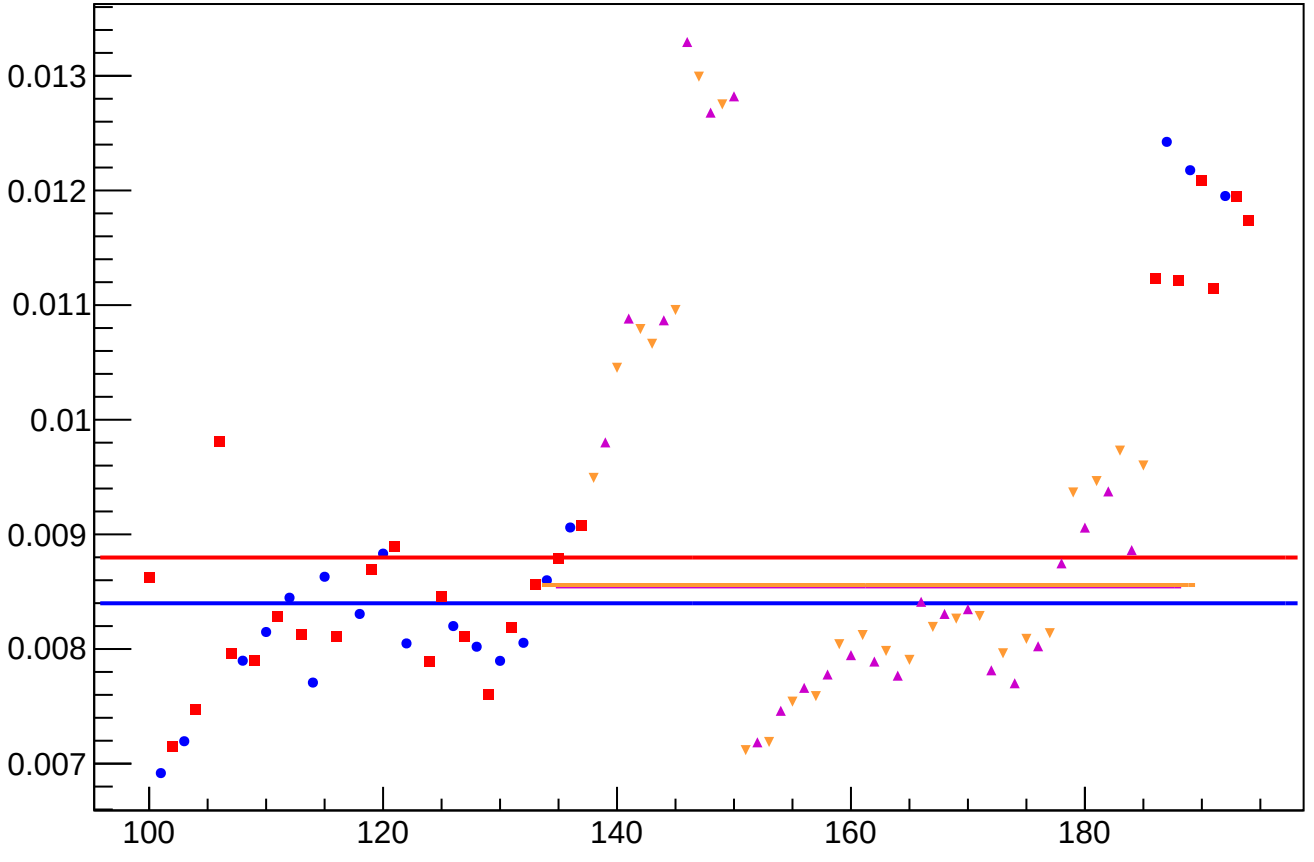
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.787+/-0.000 χ^2/NDF: 110578003032.3/43

All: -2.817+/-0.000 χ^2/NDF: 223559415040.2

- sign -2.847+/-0.000 χ^2/NDF: 112313776072.1/47

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: 585816.5/24

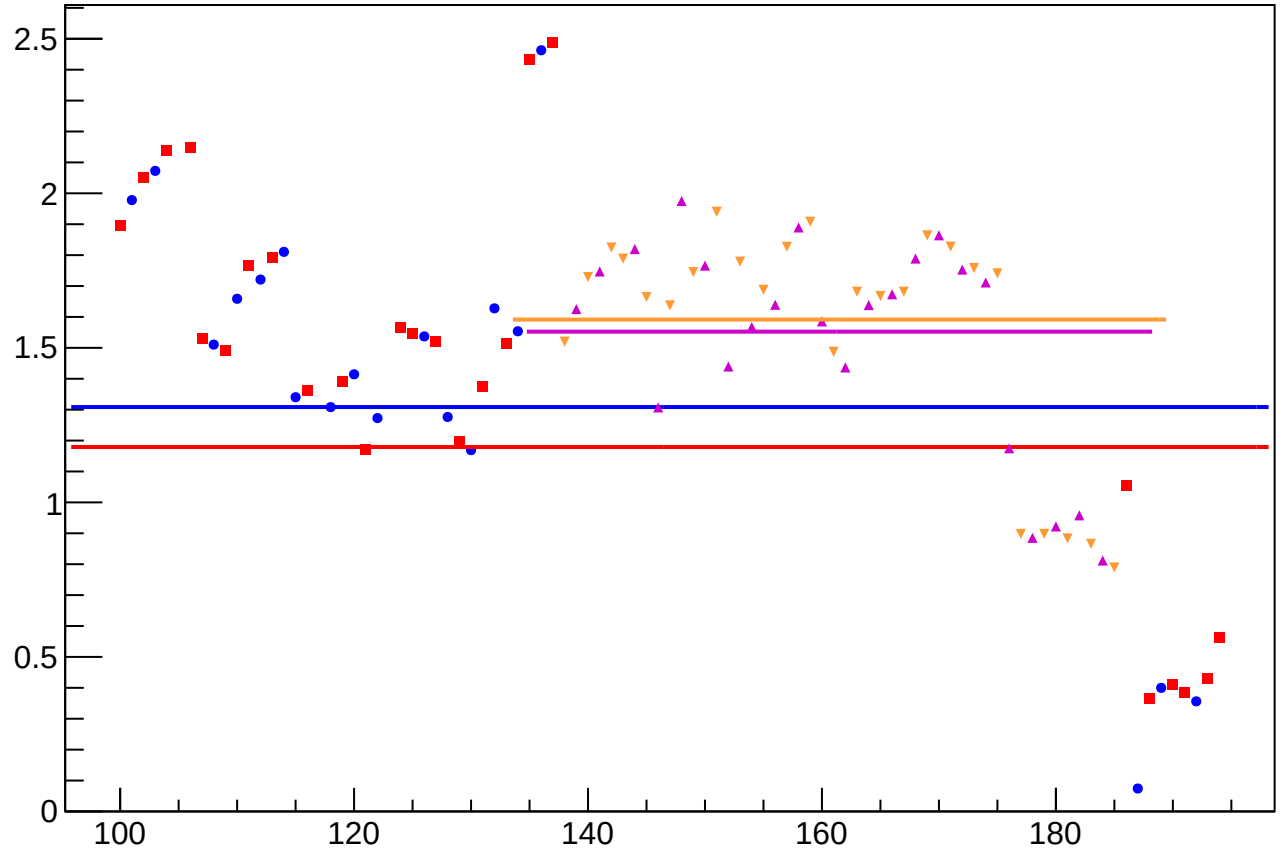
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 1252535.0/43

All: 0.009+/-0.000 χ^2/NDF: 2766404.0/91

- sign 0.009+/-0.000 χ^2/NDF: 1507464.3/47

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

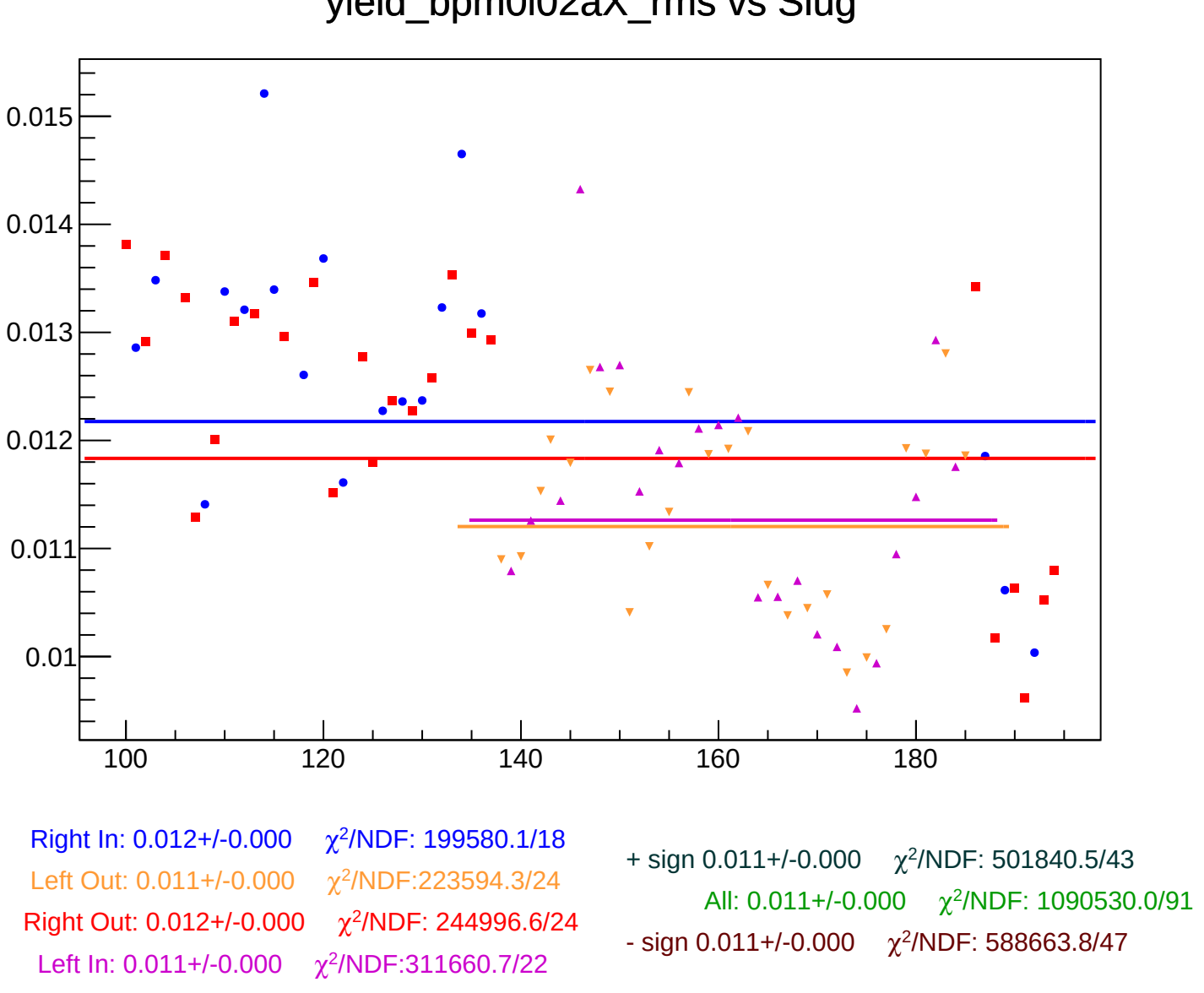
Right Out: 1.179+/-0.000 χ^2/NDF: 33376138530.3/24

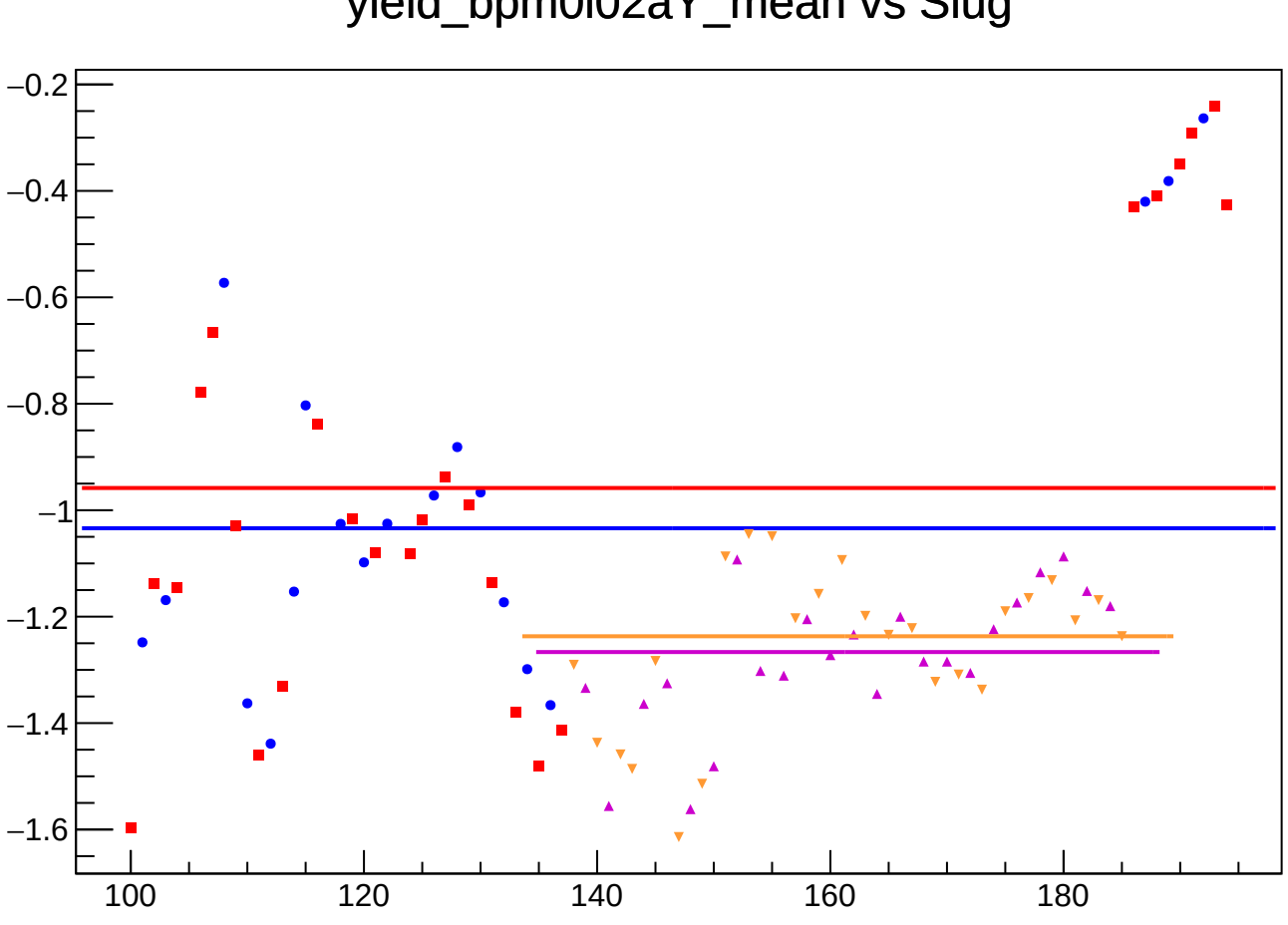
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.511+/-0.000 χ^2/NDF: 46675122317.5/43

All: 1.464+/-0.000 χ^2/NDF: 101828286312.8

- sign 1.419+/-0.000 χ^2/NDF: 54253628836.4/47


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: 244996.6/24
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: 1090530.0/91
- sign 0.011+/-0.000 χ²/NDF: 588663.8/47



Right In: -1.034+/-0.000 χ^2/NDF: 10869883092.7/18

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.958+/-0.000 χ^2/NDF: 16339160641.8/24

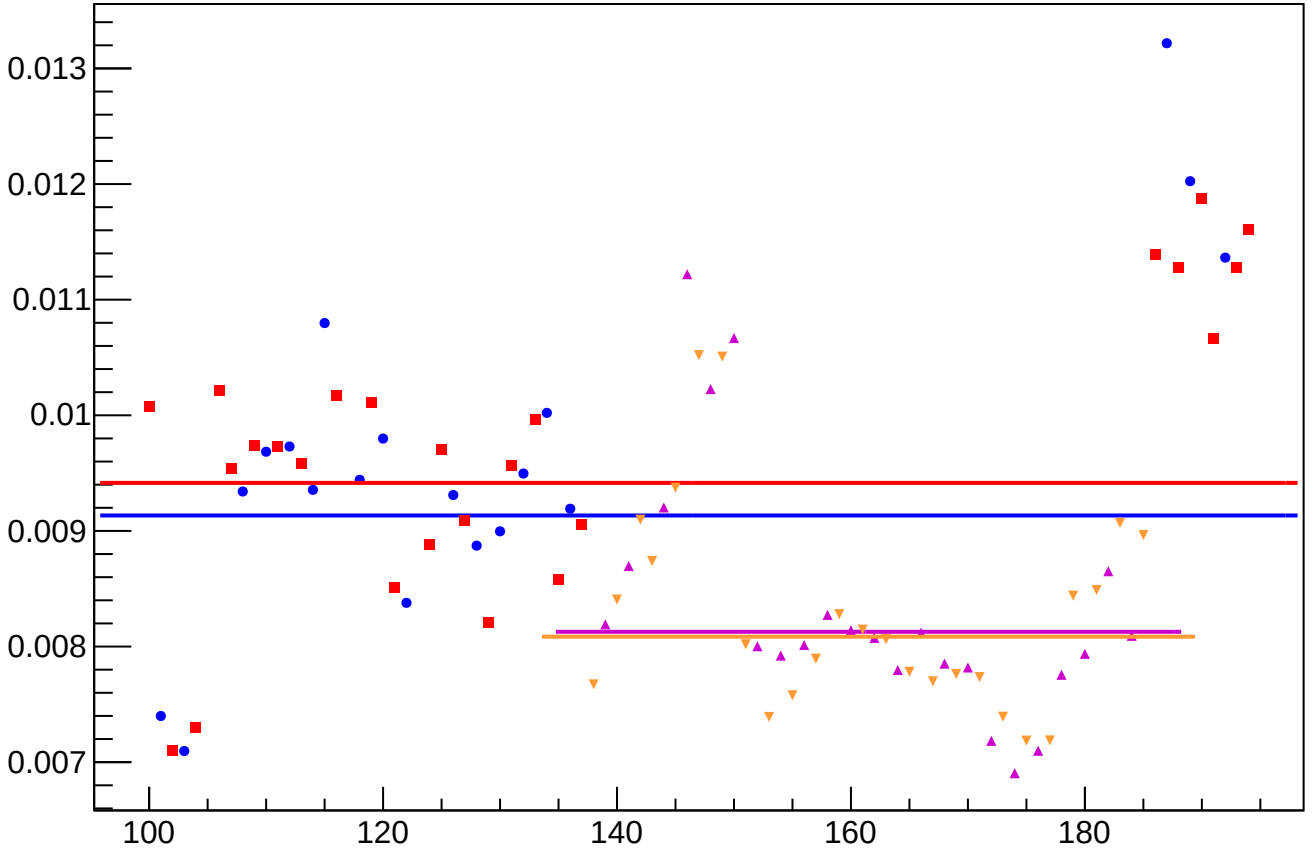
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.183+/-0.000 χ^2/NDF: 18884603342.7/43

All: -1.177+/-0.000 χ^2/NDF: 46578837955.6/

- sign -1.171+/-0.000 χ^2/NDF: 27667365154.5/47

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

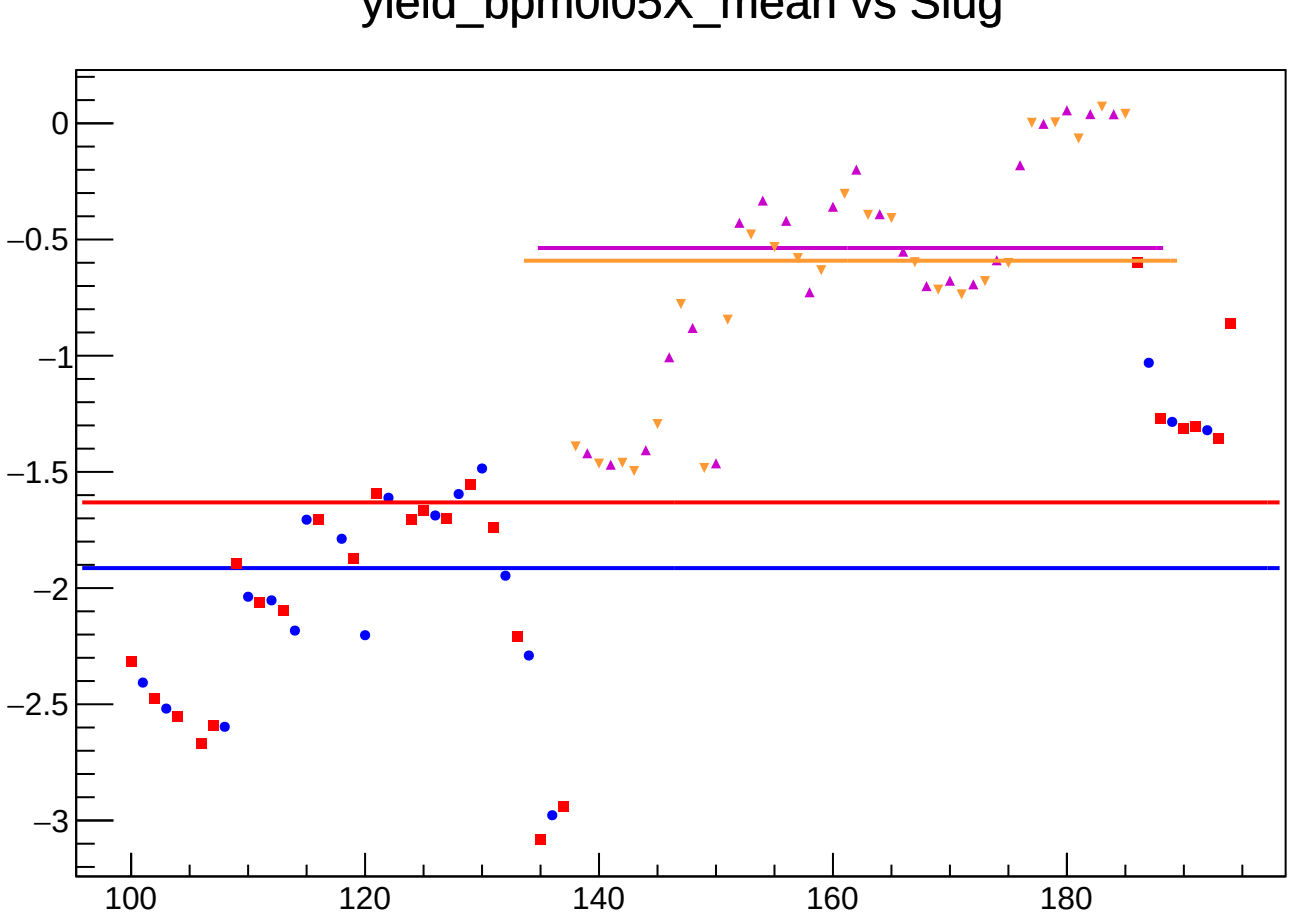
Right Out: 0.009+/-0.000 χ^2/NDF: 484278.9/24

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: 2021226.3/91

- sign 0.009+/-0.000 χ^2/NDF: 1160509.2/47



Right In: -1.914+/-0.000 χ^2/NDF: 48175796238.1/18

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -1.631+/-0.000 χ^2/NDF: 96425341183.4/24

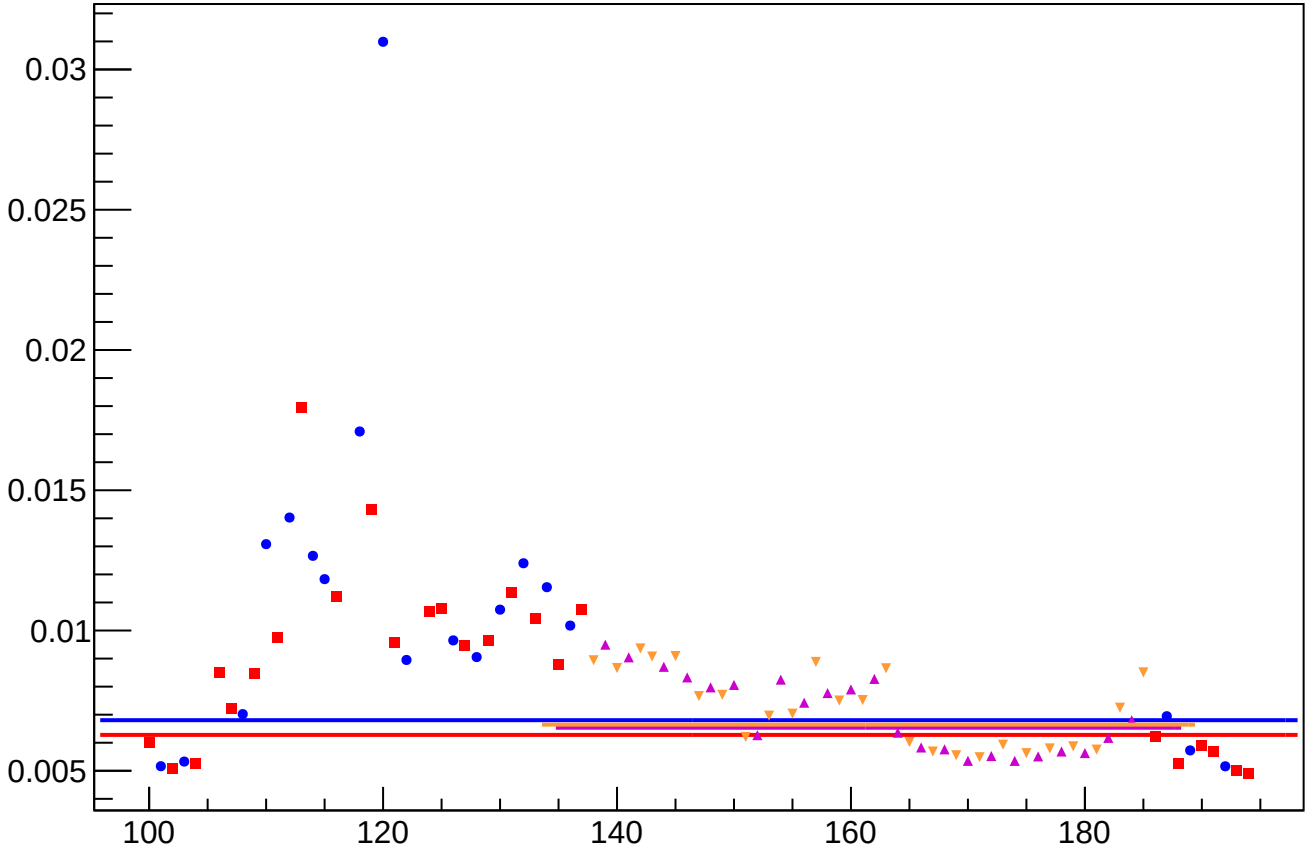
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.948+/-0.000 χ^2/NDF: 299742367757.1/43

All: -0.945+/-0.000 χ^2/NDF: 631289461090.9

- sign -0.942+/-0.000 χ^2/NDF: 331538583238.2/47

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

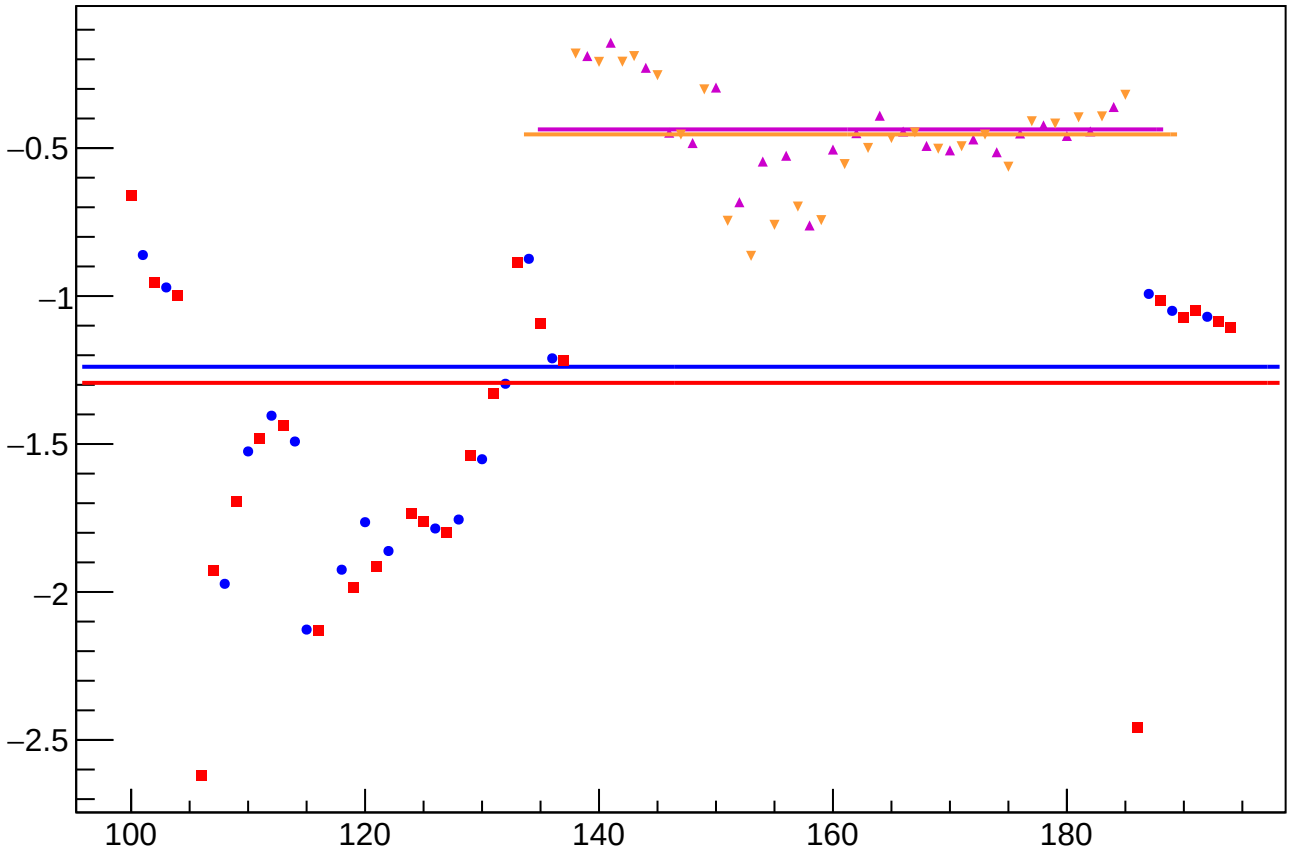
Right Out: 0.006+/-0.000 χ^2/NDF: 1971093.6/24

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: 6323404.0/91

- sign 0.006+/-0.000 χ^2/NDF: 3140171.6/47



Right In: -1.239+/-0.000 χ^2/NDF: 26285458221.4/18

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.293+/-0.000 χ^2/NDF: 70219239054.4/24

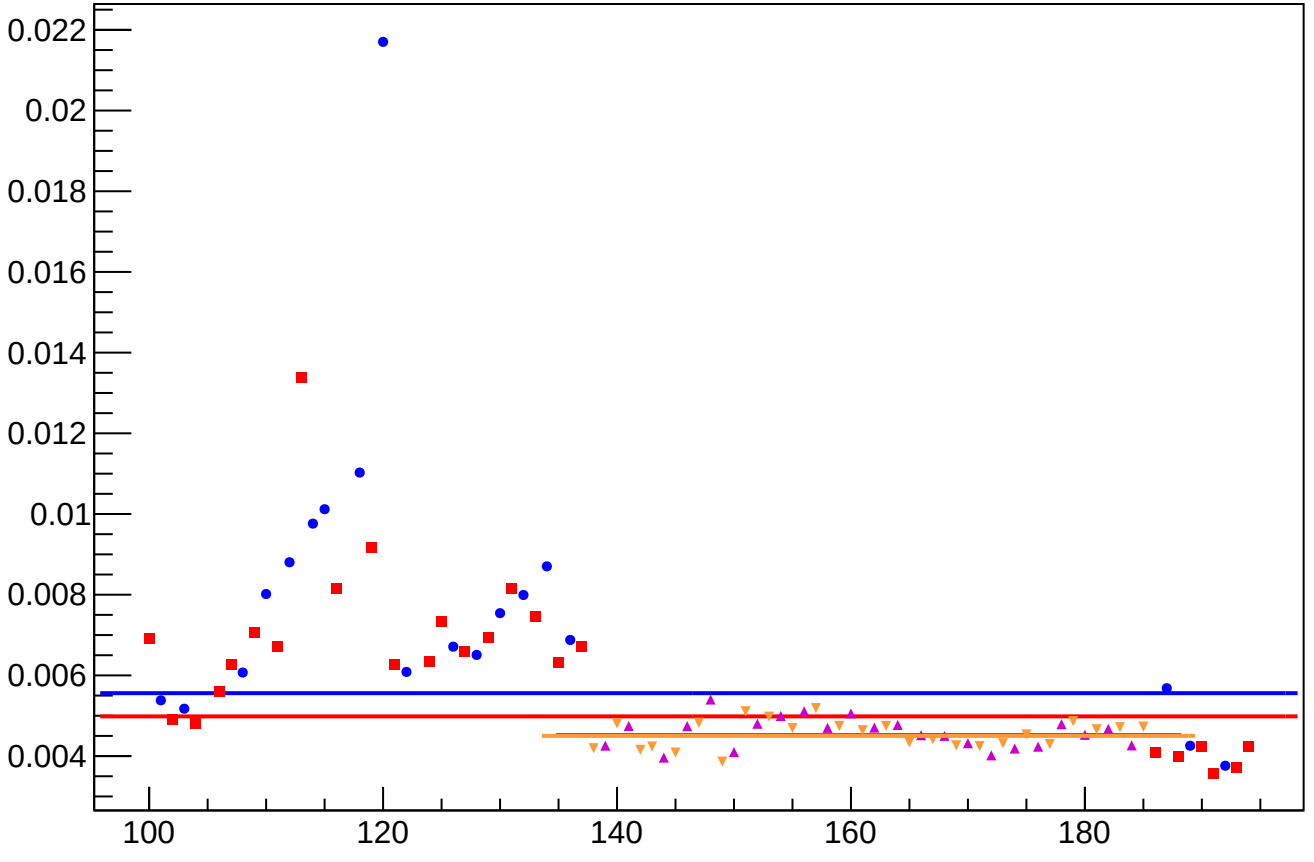
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.613+/-0.000 χ^2/NDF: 164224897260.6/43

All: -0.657+/-0.000 χ^2/NDF: 436935926031.0

- sign -0.697+/-0.000 χ^2/NDF: 268681921339.8/47

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

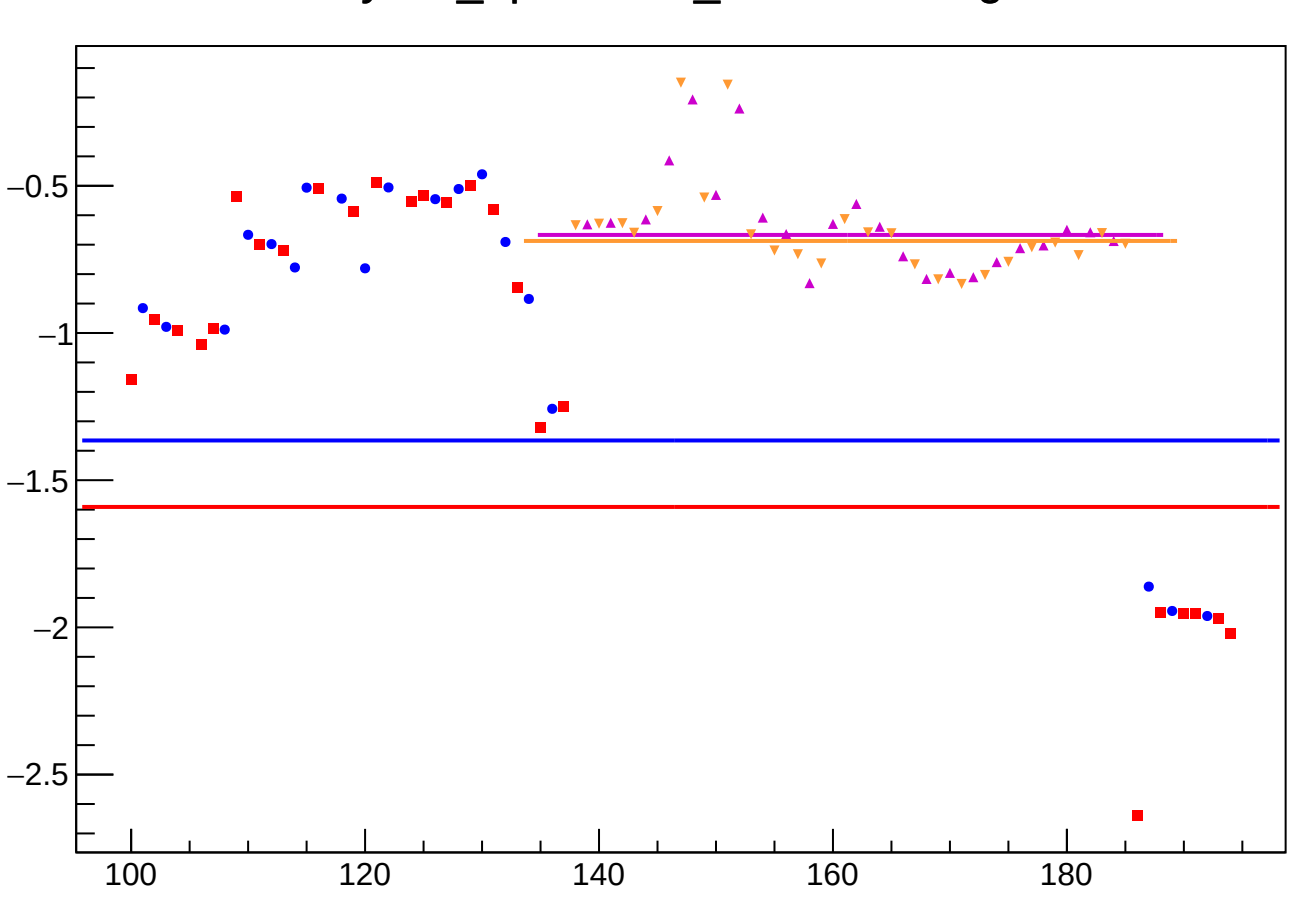
Right Out: 0.005+/-0.000 χ^2/NDF: 1531202.6/24

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: 3905659.5/91

- sign 0.005+/-0.000 χ^2/NDF: 1849848.4/47



Right In: -1.365+/-0.000 χ^2/NDF: 125214298345.5/18

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.591+/-0.000 χ^2/NDF: 222045620316.0/24

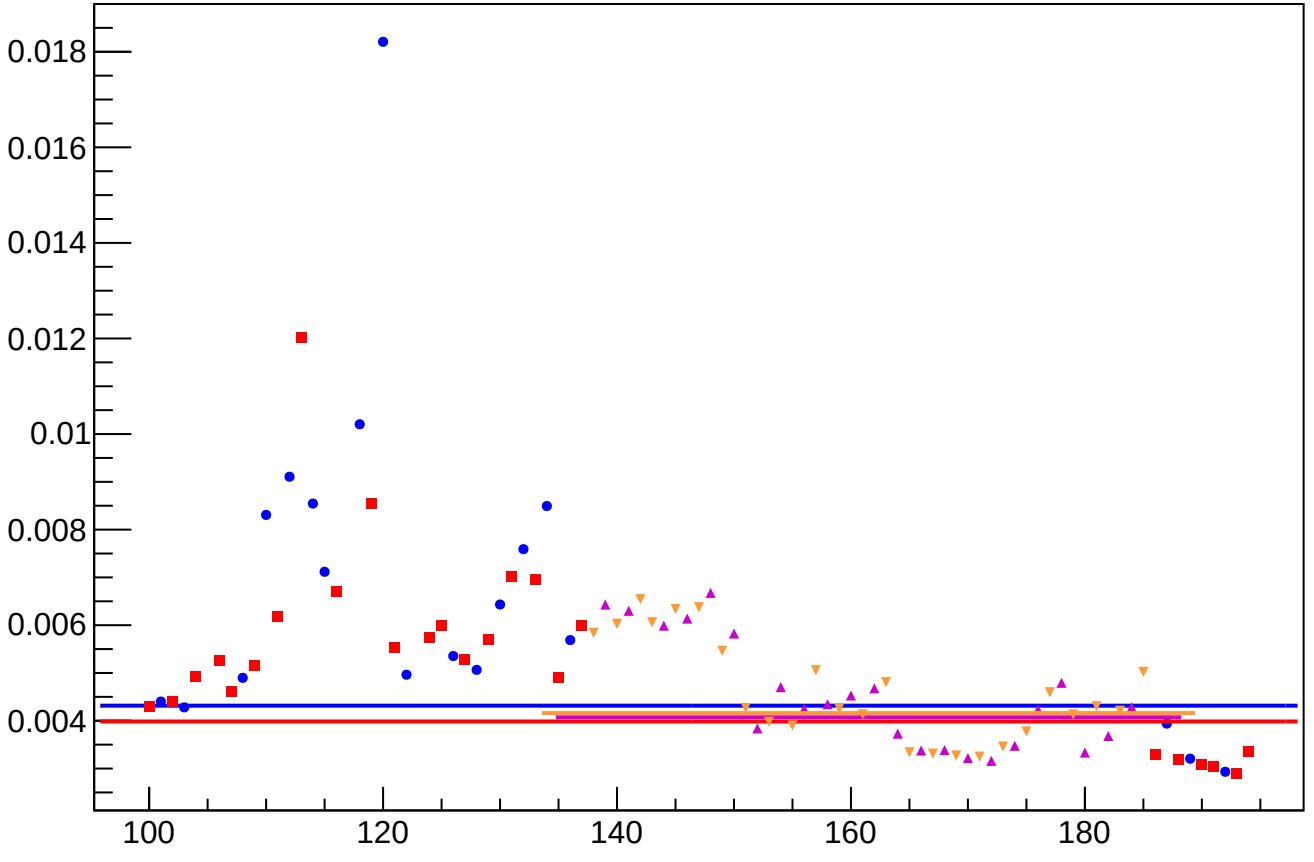
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.870+/-0.000 χ^2/NDF: 267134796988.5/43

All: -0.942+/-0.000 χ^2/NDF: 823038641277.5

- sign -1.006+/-0.000 χ^2/NDF: 542882191386.8/47

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

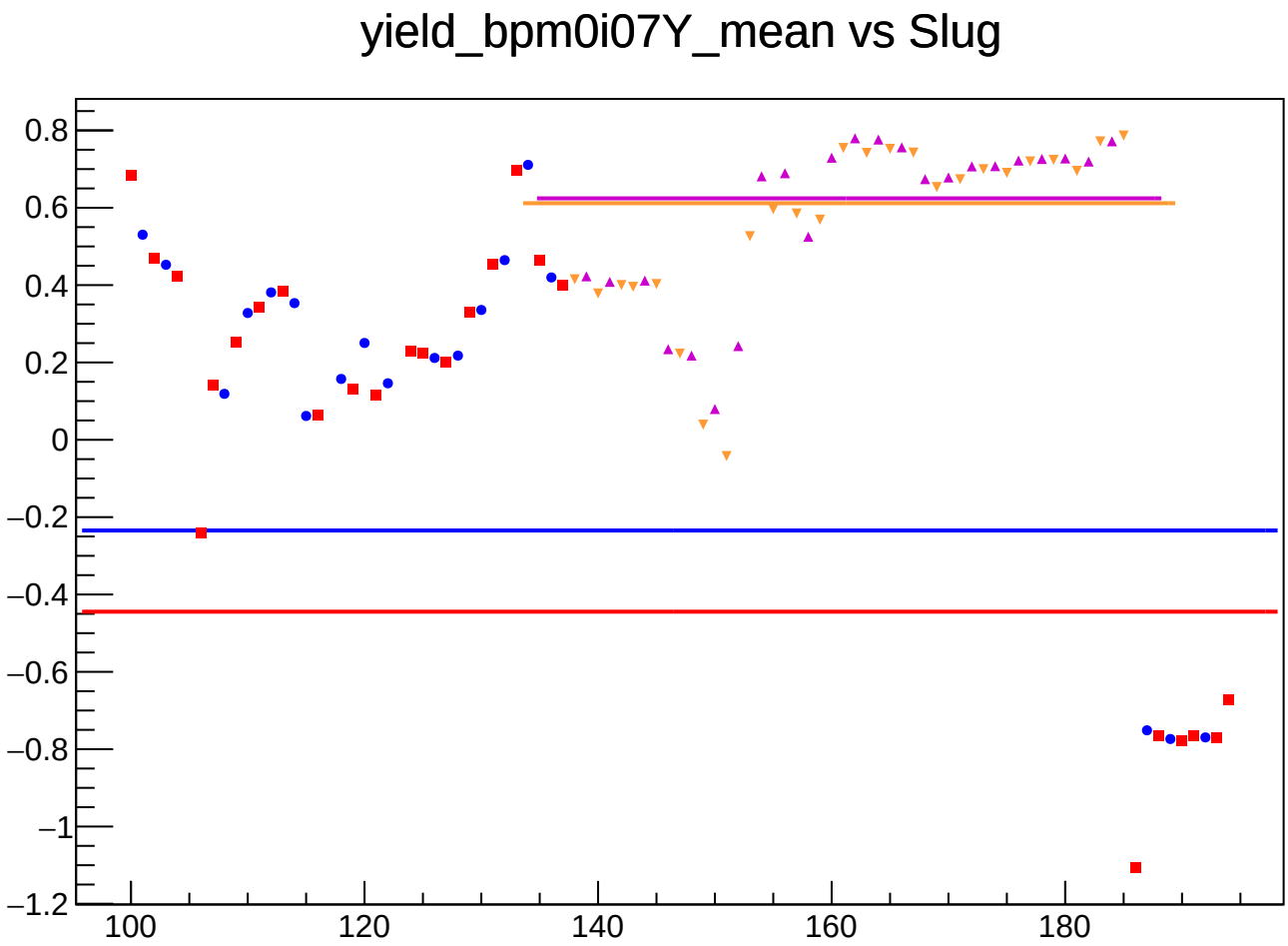
Right Out: 0.004+/-0.000 χ^2/NDF: 1909182.3/24

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: 7229687.1/91

- sign 0.004+/-0.000 χ^2/NDF: 3664953.1/47



Right In: -0.235+/-0.000 χ^2/NDF: 255476105714.3/18

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.444+/-0.000 χ^2/NDF: 380300426501.2/24

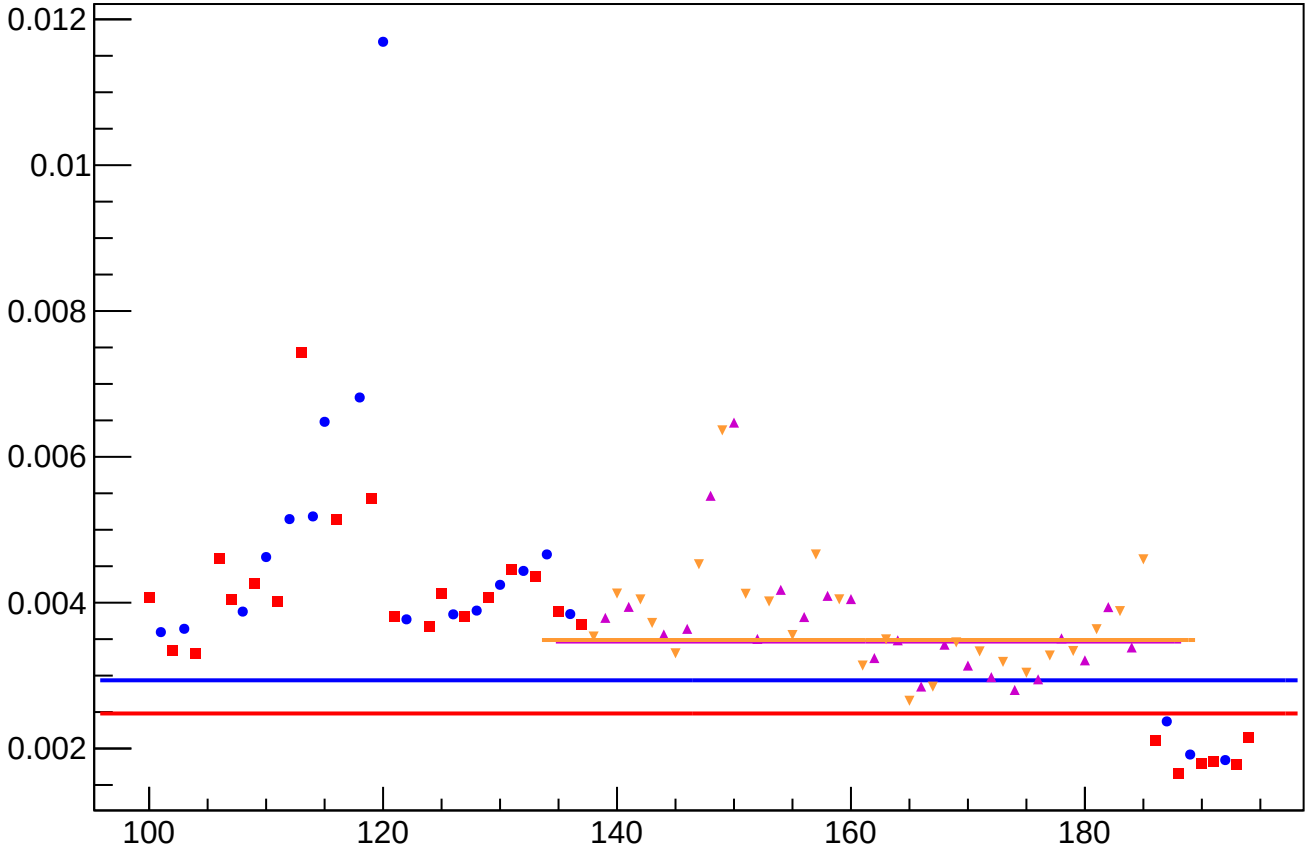
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.299+/-0.000 χ^2/NDF: 650346660196.4/43

All: 0.173+/-0.000 χ^2/NDF: 1878590463513.

- sign 0.072+/-0.000 χ^2/NDF: 1168386132334.9/47

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

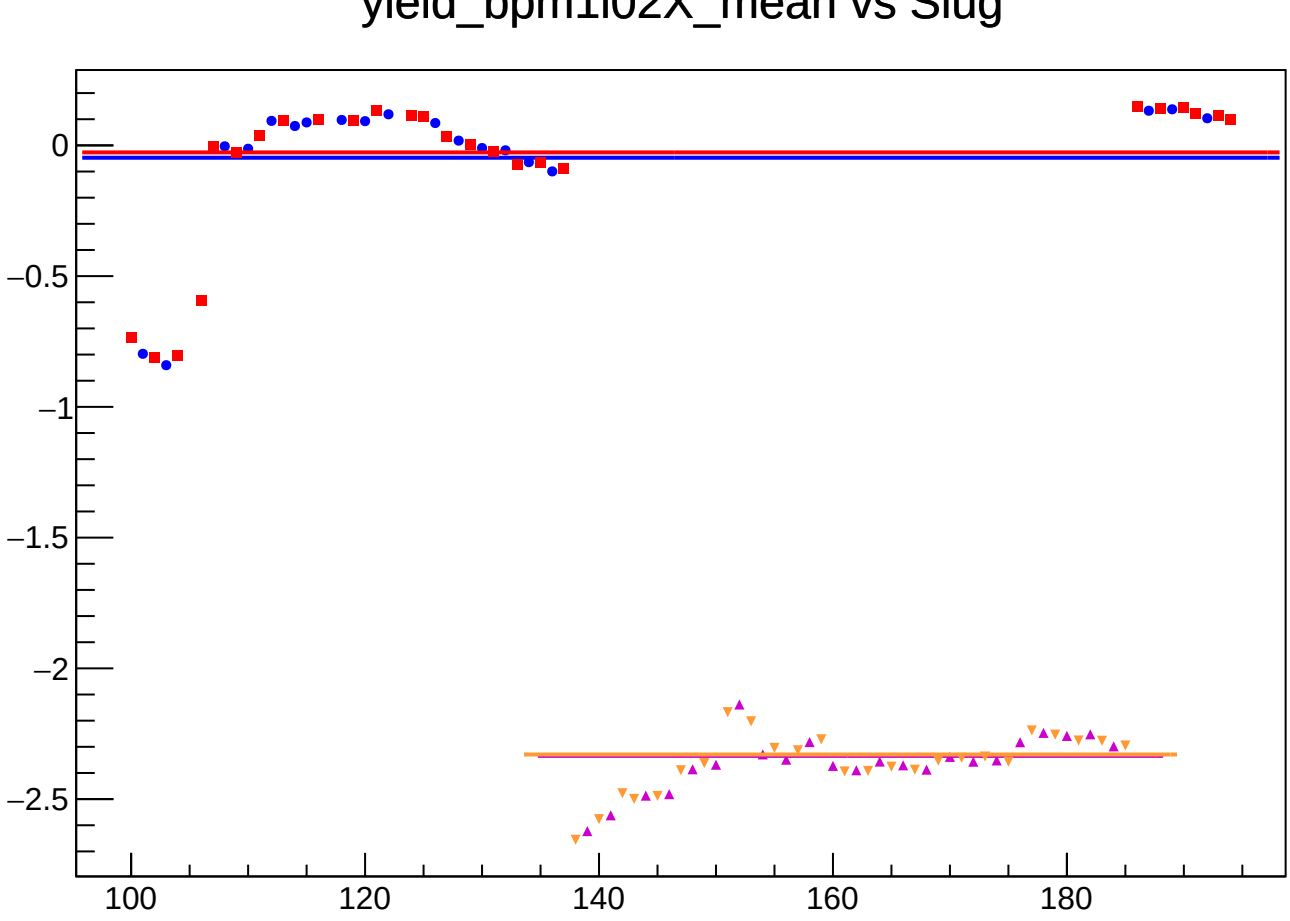
Right Out: 0.002+/-0.000 χ^2/NDF: 2963635.2/24

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: 8890475.8/91

- sign 0.003+/-0.000 χ^2/NDF: 5131119.2/47



Right In: -0.047+/-0.000 χ^2/NDF: 6095290102.0/18

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.027+/-0.000 χ^2/NDF: 7530481698.0/24

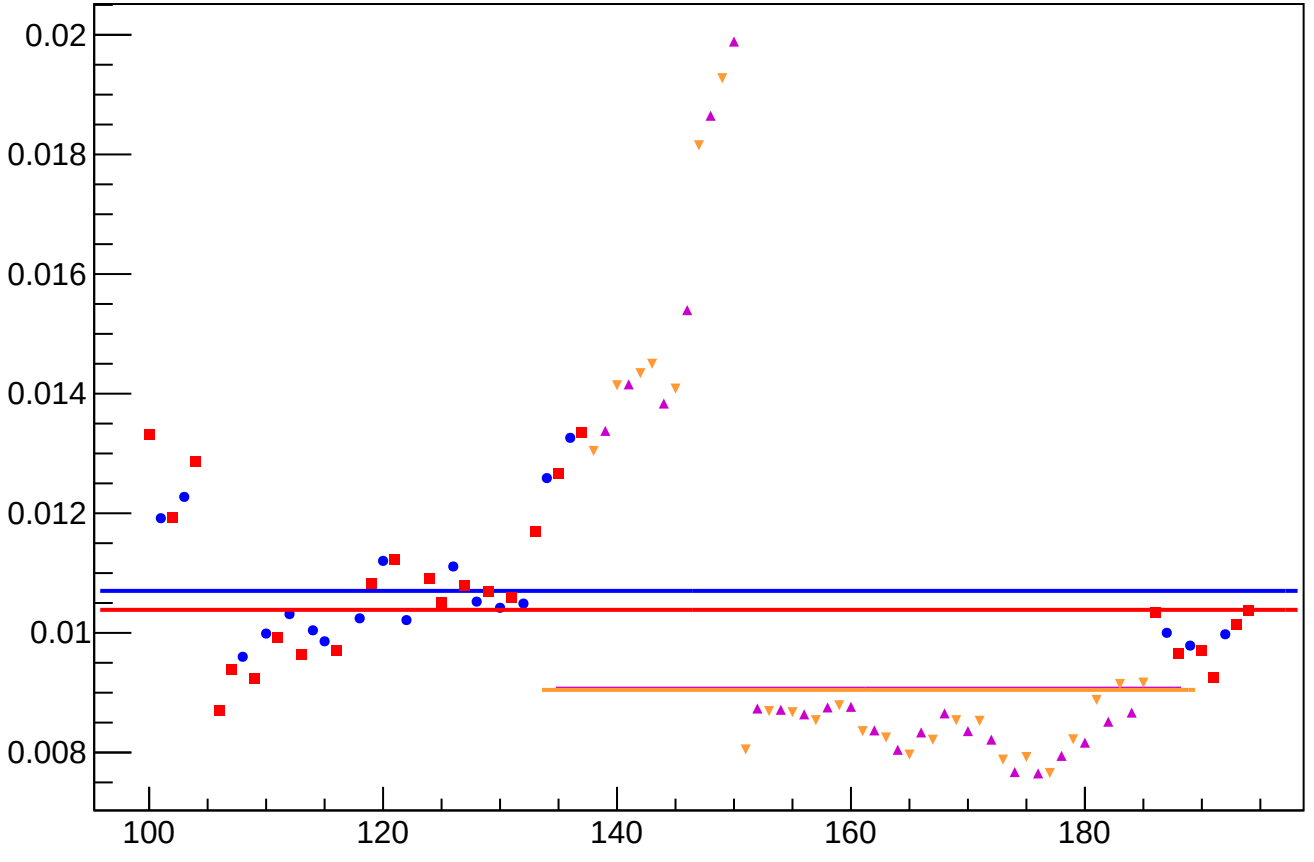
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.743+/-0.000 χ^2/NDF: 305223701839.1/43

All: -1.659+/-0.000 χ^2/NDF: 683251476584.1

- sign -1.577+/-0.000 χ^2/NDF: 373834030772.7/47

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: 220506.9/24

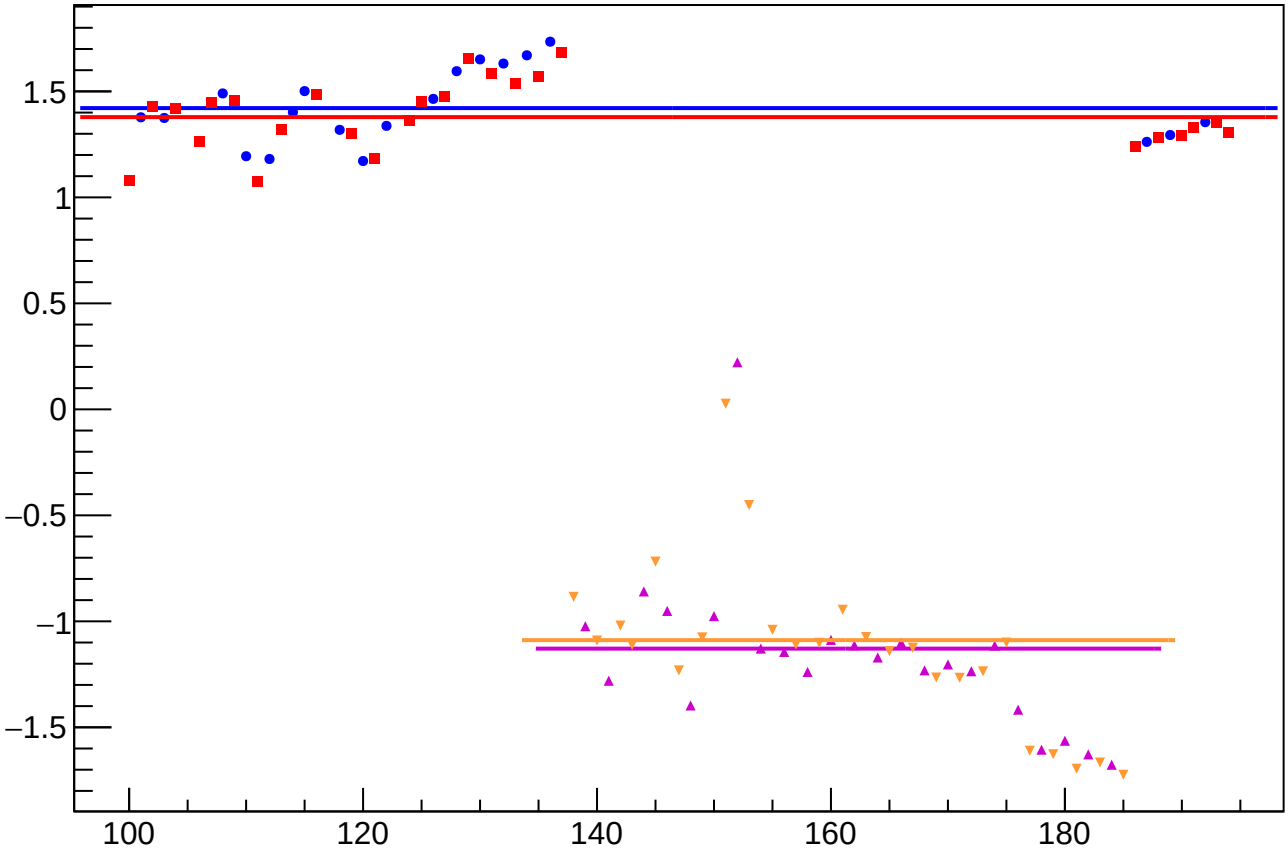
Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.009+/-0.000 χ^2/NDF: 2525326.8/43

All: 0.009+/-0.000 χ^2/NDF: 5117890.7/91

- sign 0.010+/-0.000 χ^2/NDF: 2592320.7/47

yield_bpm1i02Y_mean vs Slug



Right In: 1.421+/-0.000 χ^2/NDF: 4106127452.7/18

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.379+/-0.000 χ^2/NDF: 3449781854.1/24

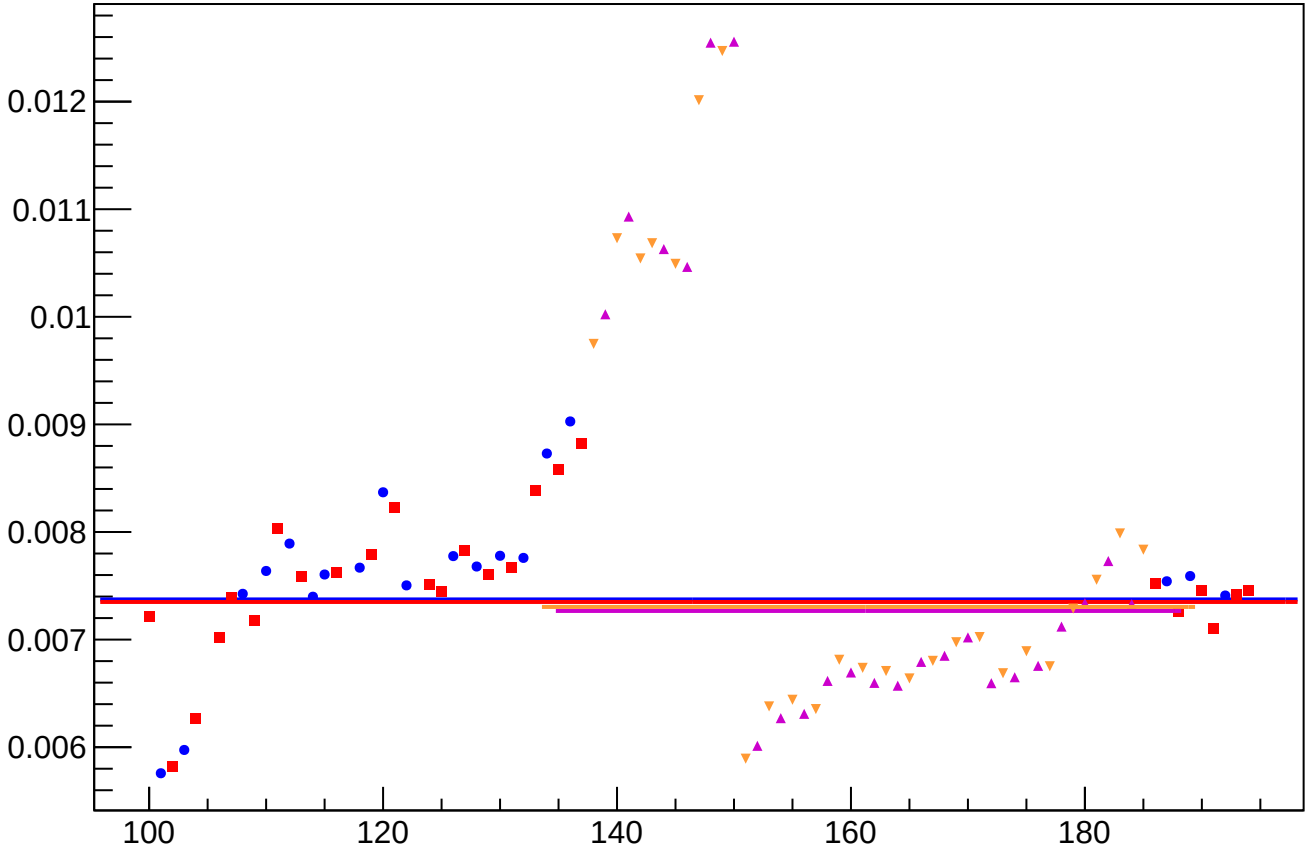
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.294+/-0.000 χ^2/NDF: 756650304279.1/43

All: -0.232+/-0.000 χ^2/NDF: 1614822707969

- sign -0.174+/-0.000 χ^2/NDF: 854447430075.7/47

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: 197406.8/24

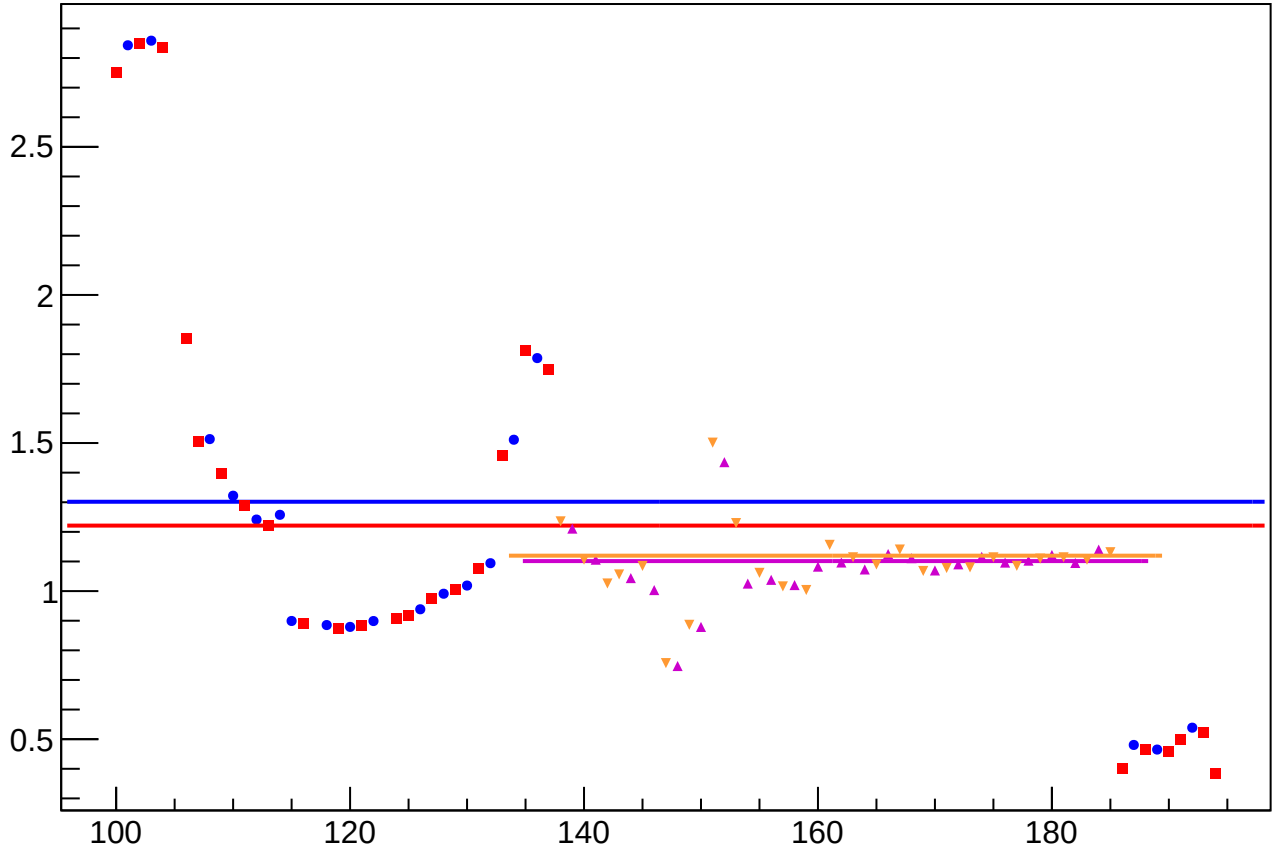
Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1777268.3/43

All: 0.007+/-0.000 χ^2/NDF: 3536919.7/91

- sign 0.007+/-0.000 χ^2/NDF: 1759256.1/47

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: 1.221+/-0.000 χ^2/NDF: 81637497347.3/24

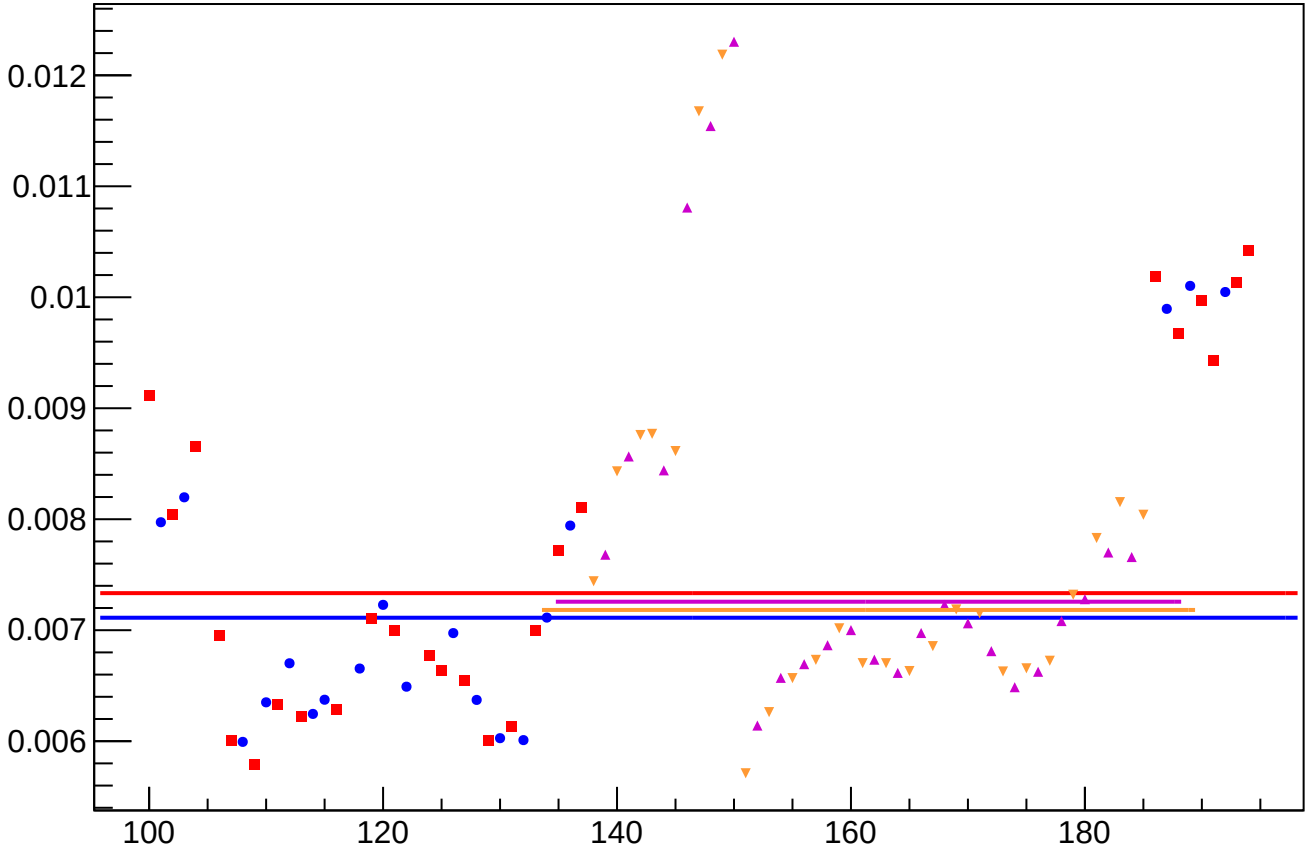
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.178+/-0.000 χ^2/NDF: 79580913609.2/43

All: 1.162+/-0.000 χ^2/NDF: 167481210302.9

- sign 1.146+/-0.000 χ^2/NDF: 87624051647.0/47

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

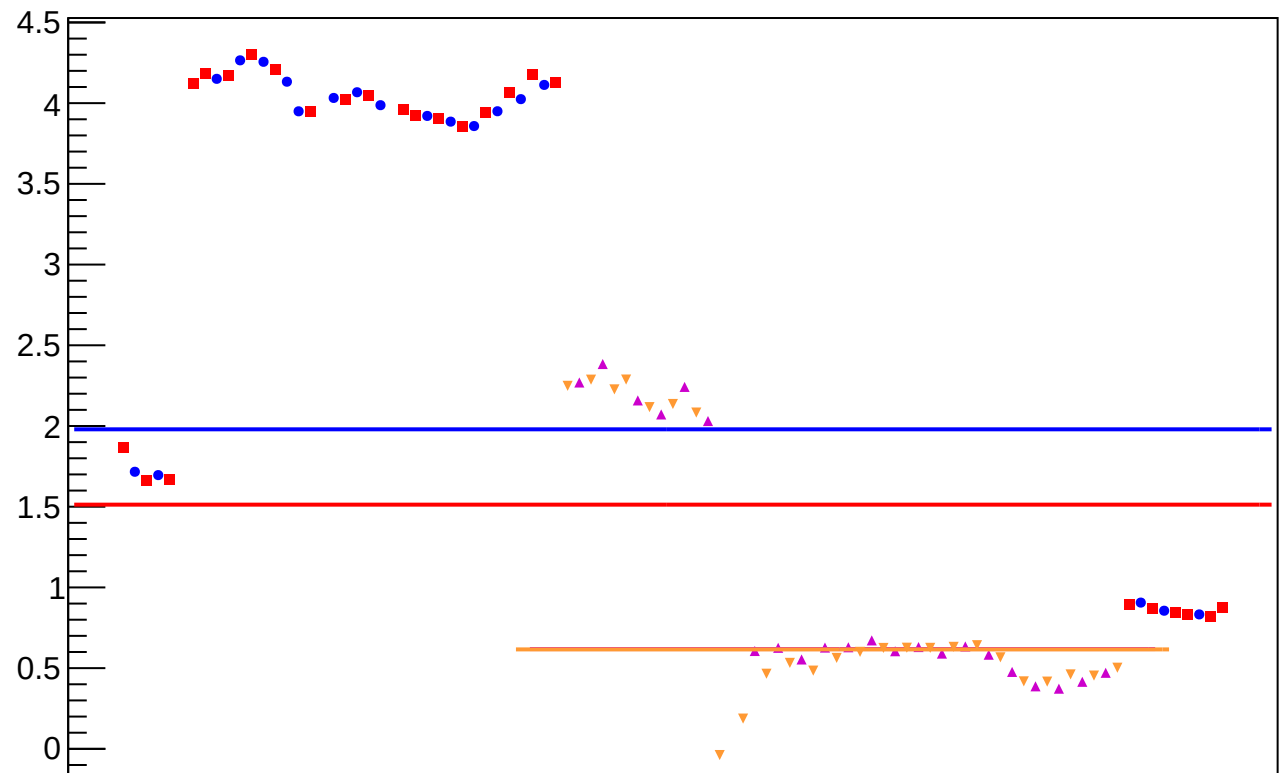
Right Out: 0.007+/-0.000 χ^2/NDF: 840728.2/24

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: 3145102.2/91

- sign 0.007+/-0.000 χ^2/NDF: 1758910.1/47



Right In: 1.979+/-0.000 χ^2/NDF: 1223177554773.6/18

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.513+/-0.000 χ^2/NDF: 1627678553792.7/24

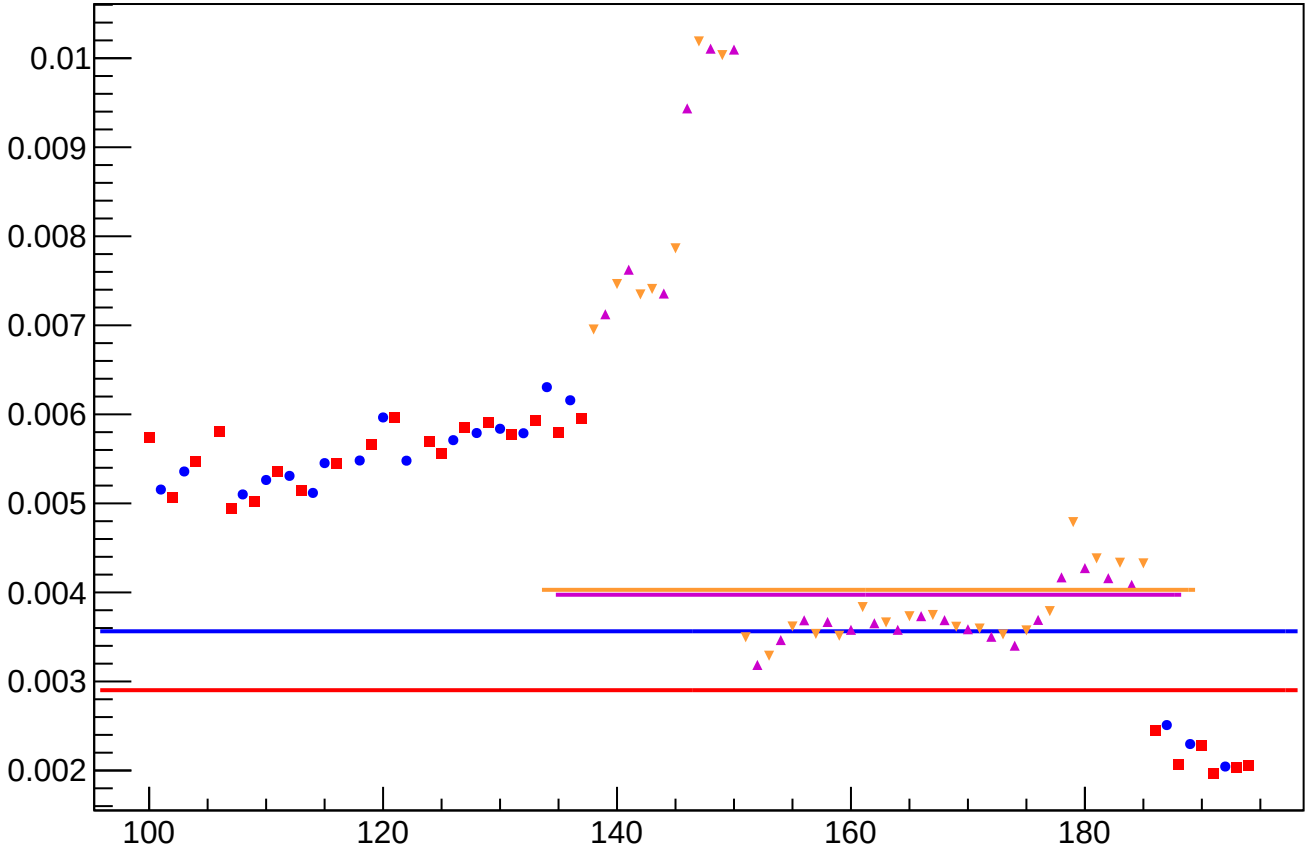
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.087+/-0.000 χ^2/NDF: 2154068606754.9/43

All: 1.074+/-0.000 χ^2/NDF: 4445364540849.

- sign 1.063+/-0.000 χ^2/NDF: 2290768528934.6/47

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: 4362871.5/24

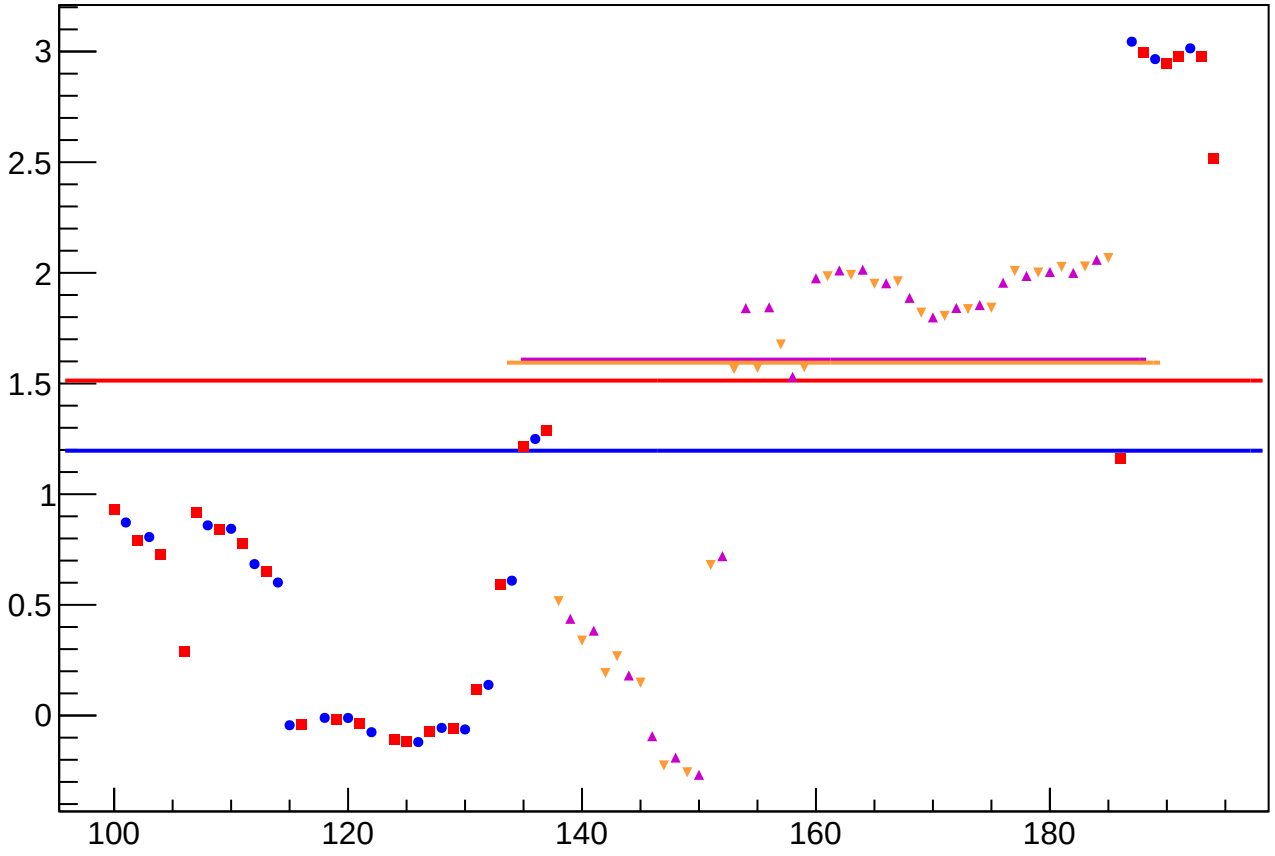
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 6374618.2/43

All: 0.004+/-0.000 χ^2/NDF: 15363298.2/91

- sign 0.003+/-0.000 χ^2/NDF: 8658884.2/47

yield_bpm1i06X_mean vs Slug



Right In: 1.196+/-0.000 χ^2/NDF: 77391930340.2/18

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.513+/-0.000 χ^2/NDF: 102477362193.3/24

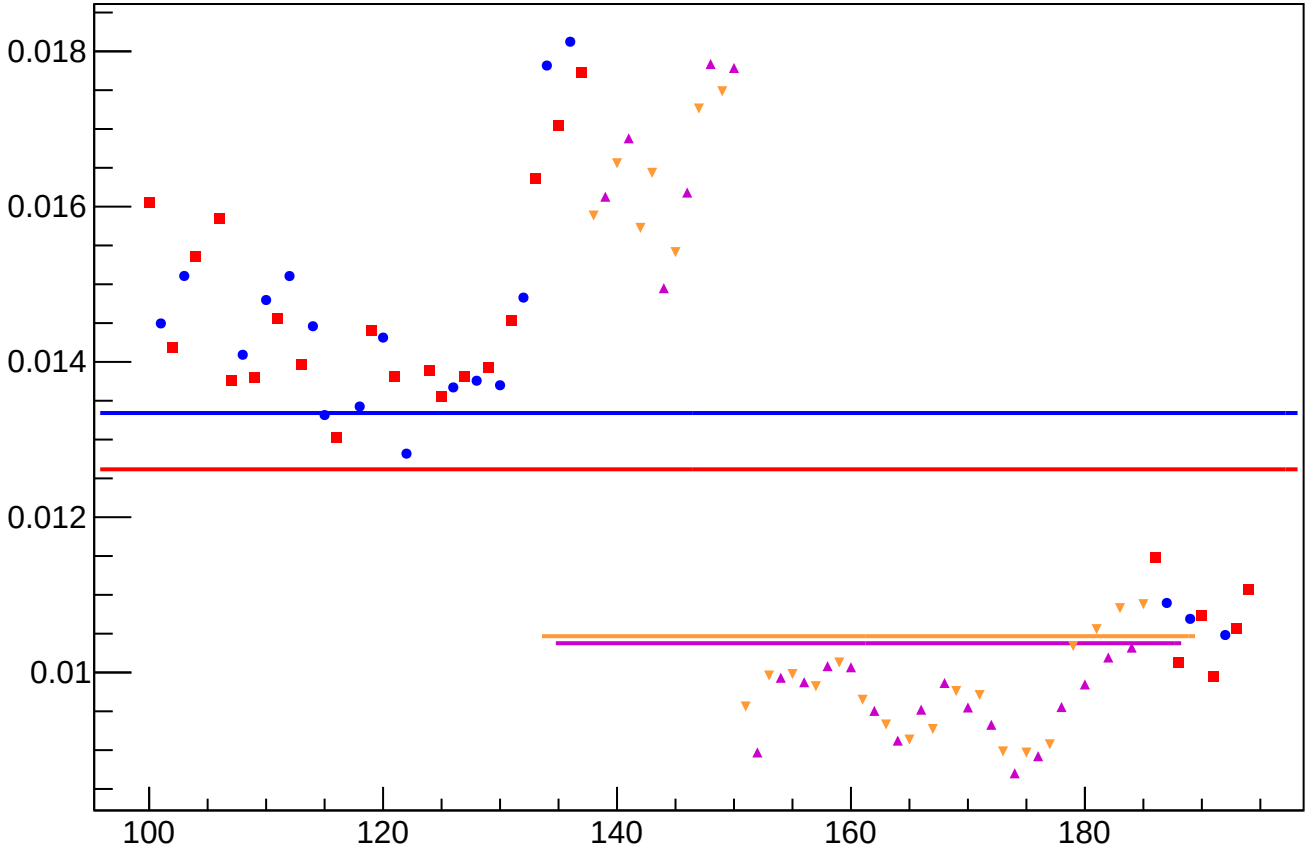
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.505+/-0.000 χ^2/NDF: 145949952851.0/43

All: 1.544+/-0.000 χ^2/NDF: 315880993303.4

- sign 1.580+/-0.000 χ^2/NDF: 169304164642.1/47

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: 587672.1/24

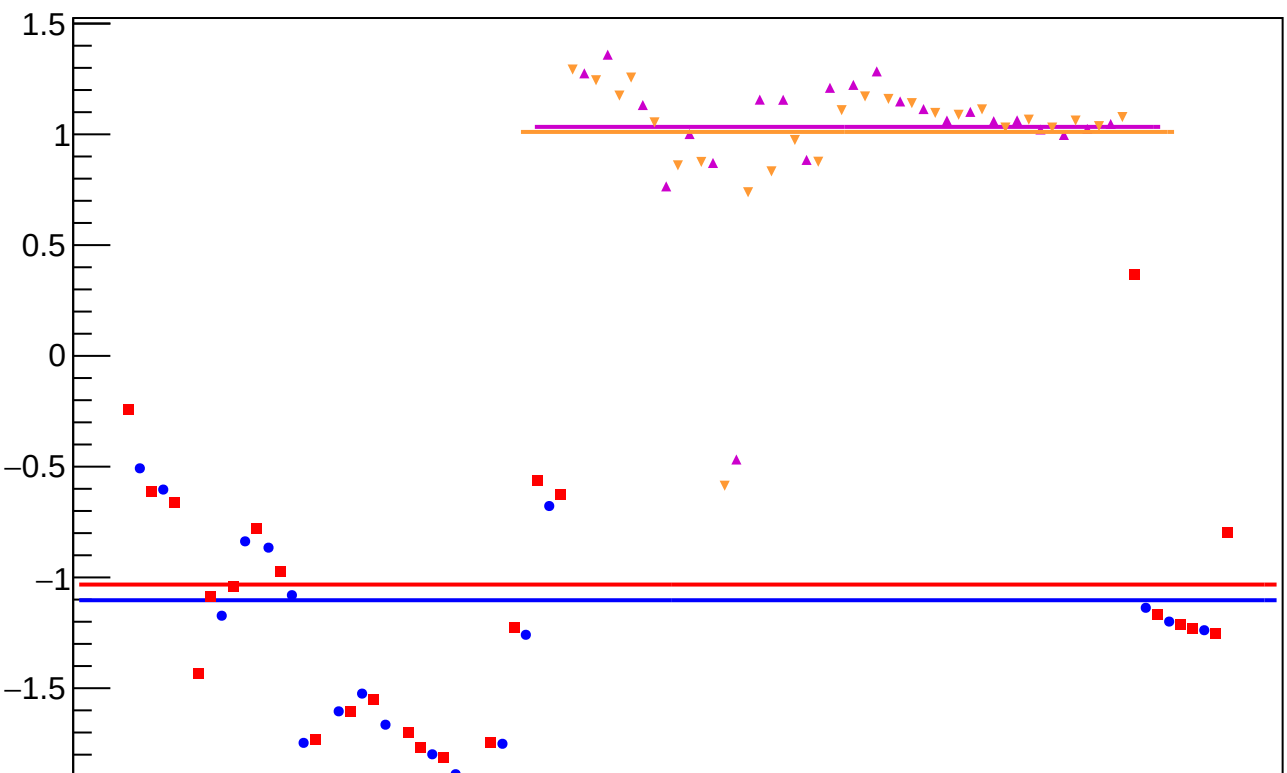
Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2738732.6/43

All: 0.011+/-0.000 χ^2/NDF: 5511724.9/91

- sign 0.011+/-0.000 χ^2/NDF: 2771649.4/47

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: -1.032+/-0.000 χ^2/NDF: 69374674305.9/24

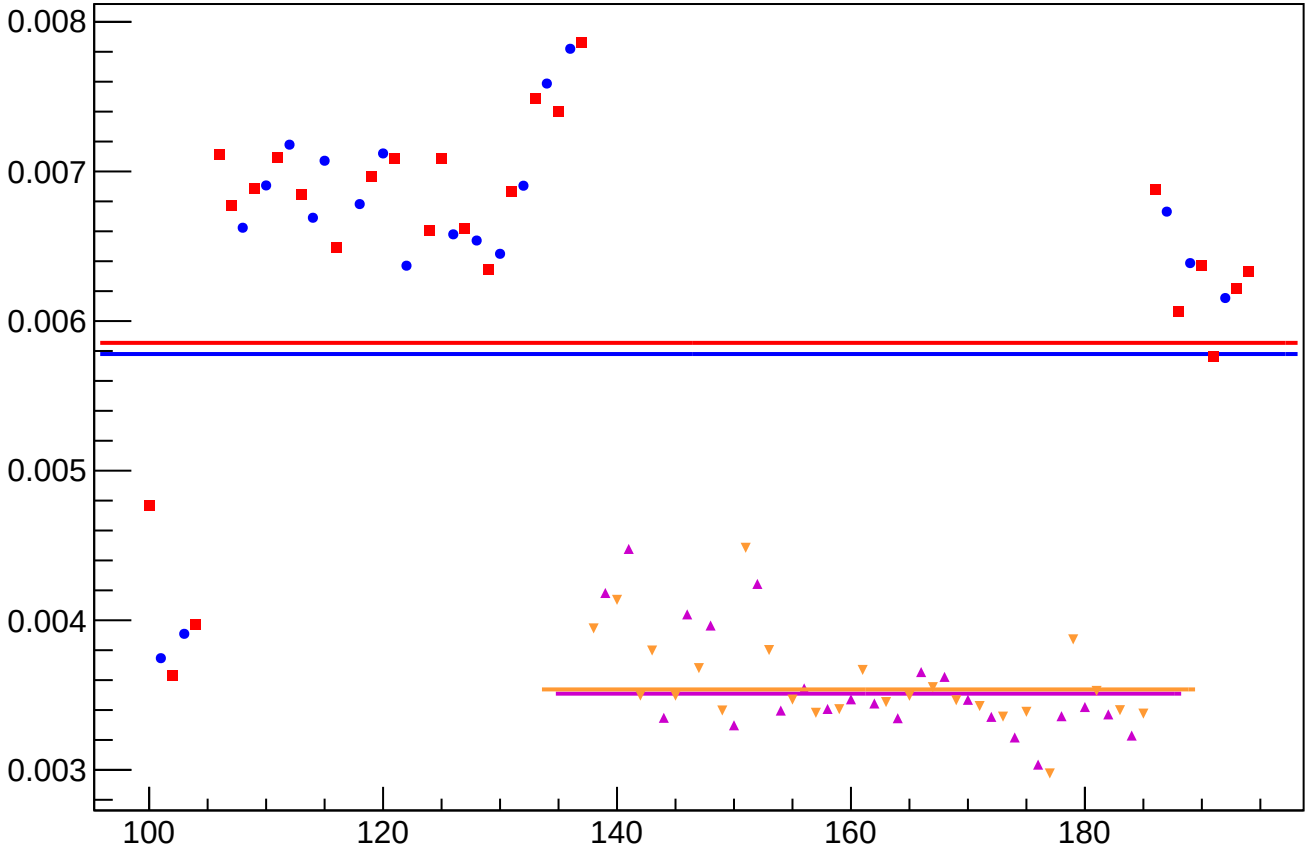
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.704+/-0.000 χ^2/NDF: 1082711879075.9/43

All: 0.686+/-0.000 χ^2/NDF: 2298104579165.

- sign 0.667+/-0.000 χ^2/NDF: 1214252718992.1/47

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: 1031623.2/24

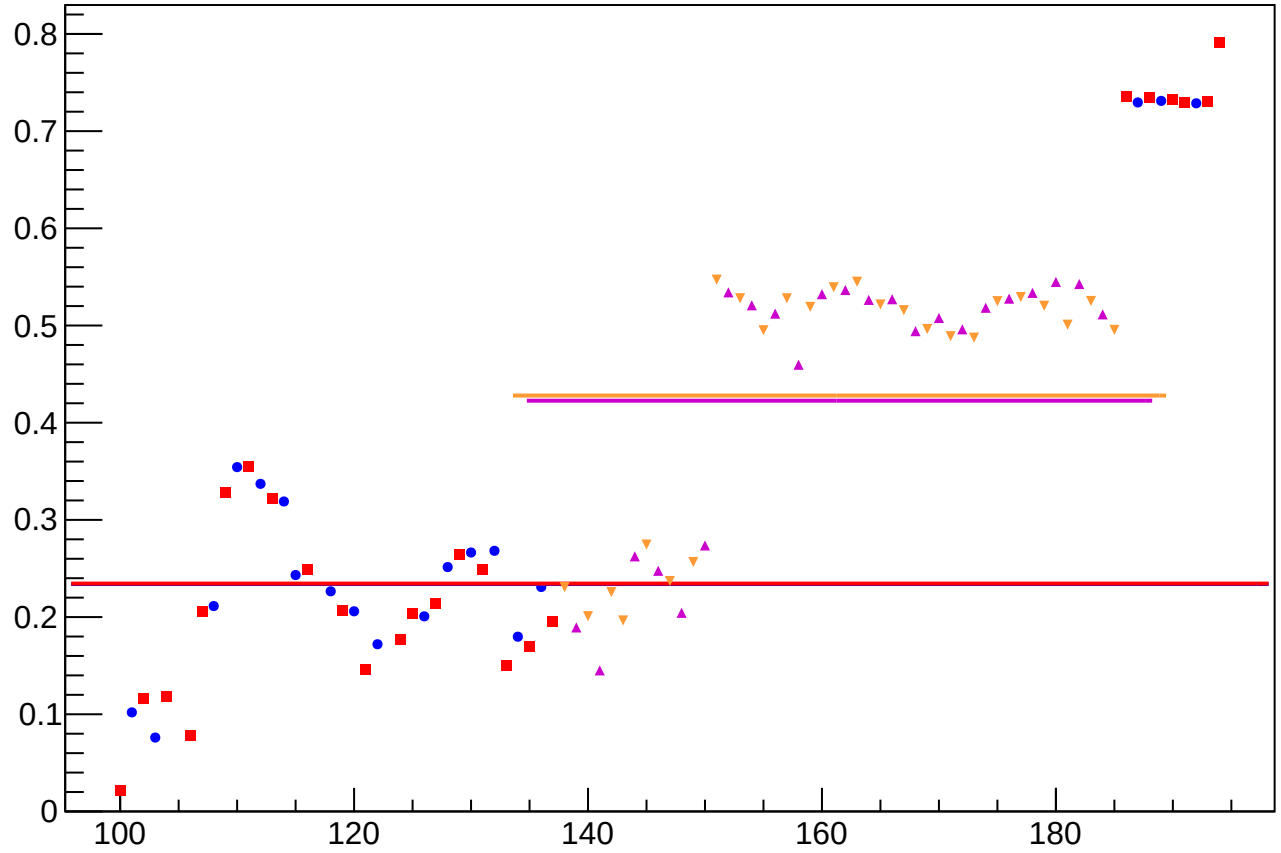
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 3237502.6/43

All: 0.004+/-0.000 χ^2/NDF: 7187323.5/91

- sign 0.004+/-0.000 χ^2/NDF: 3943381.6/47

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: 0.234+/-0.000 χ^2/NDF: 84034275051.6/24

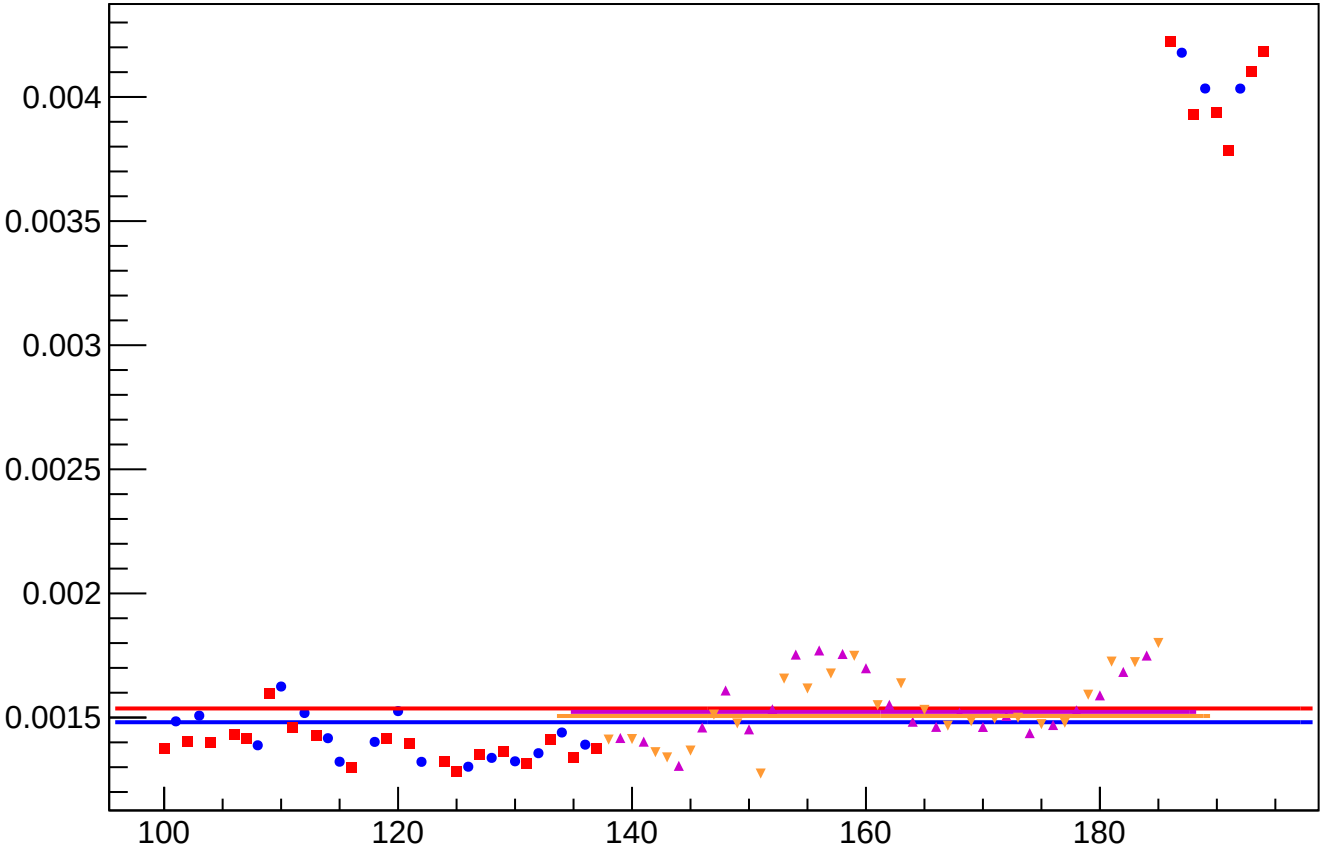
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.370+/-0.000 χ^2/NDF: 291424430234.4/43

All: 0.364+/-0.000 χ^2/NDF: 627979725779.4

- sign 0.358+/-0.000 χ^2/NDF: 335810122454.9/47

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

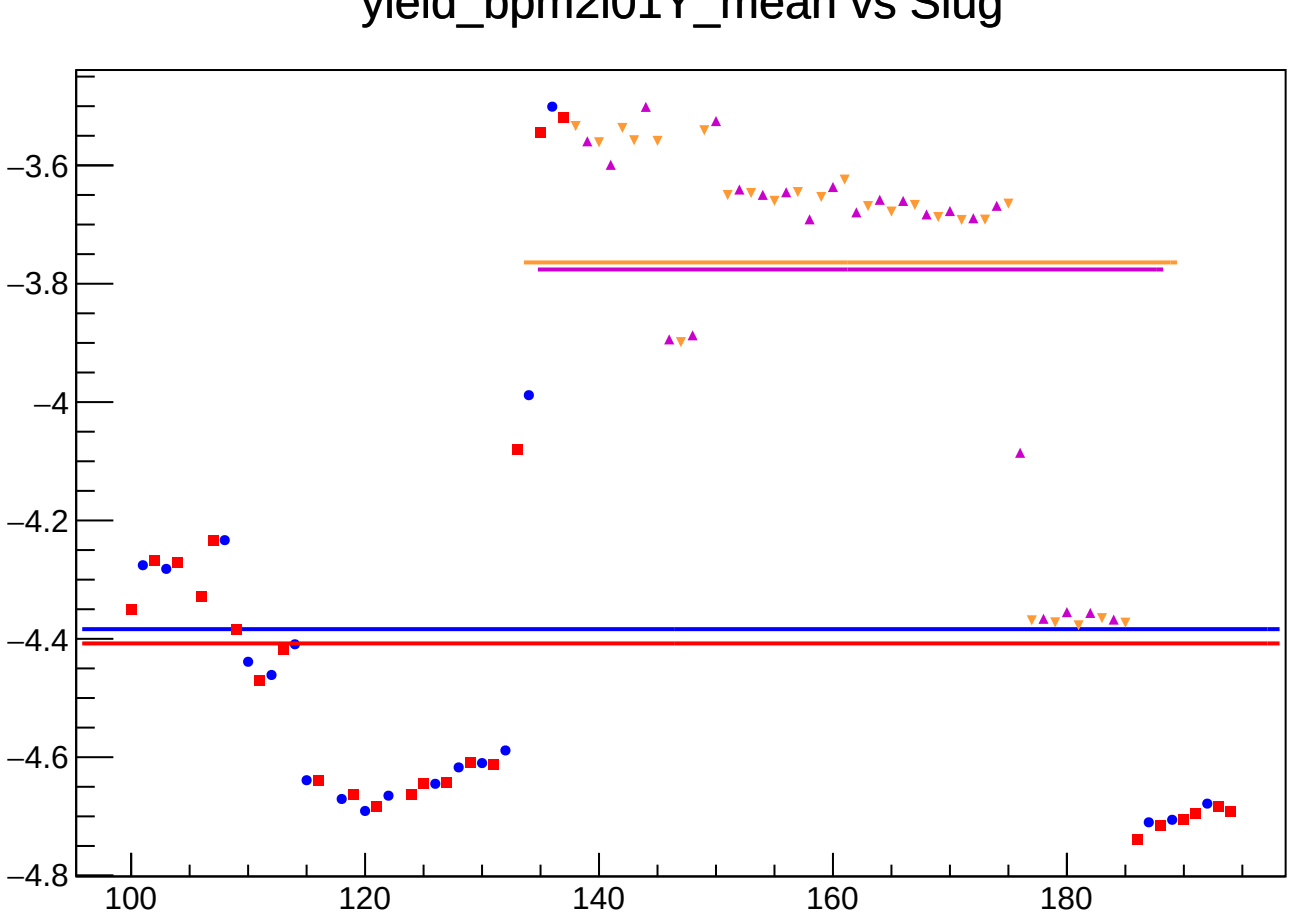
Right Out: 0.002+/-0.000 χ^2/NDF: 2993882.2/24

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: 4959923.7/91

- sign 0.002+/-0.000 χ^2/NDF: 3229548.9/47



Right In: -4.384+/-0.000 χ^2/NDF: 367573770343.0/18

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.408+/-0.000 χ^2/NDF: 330845757255.8/24

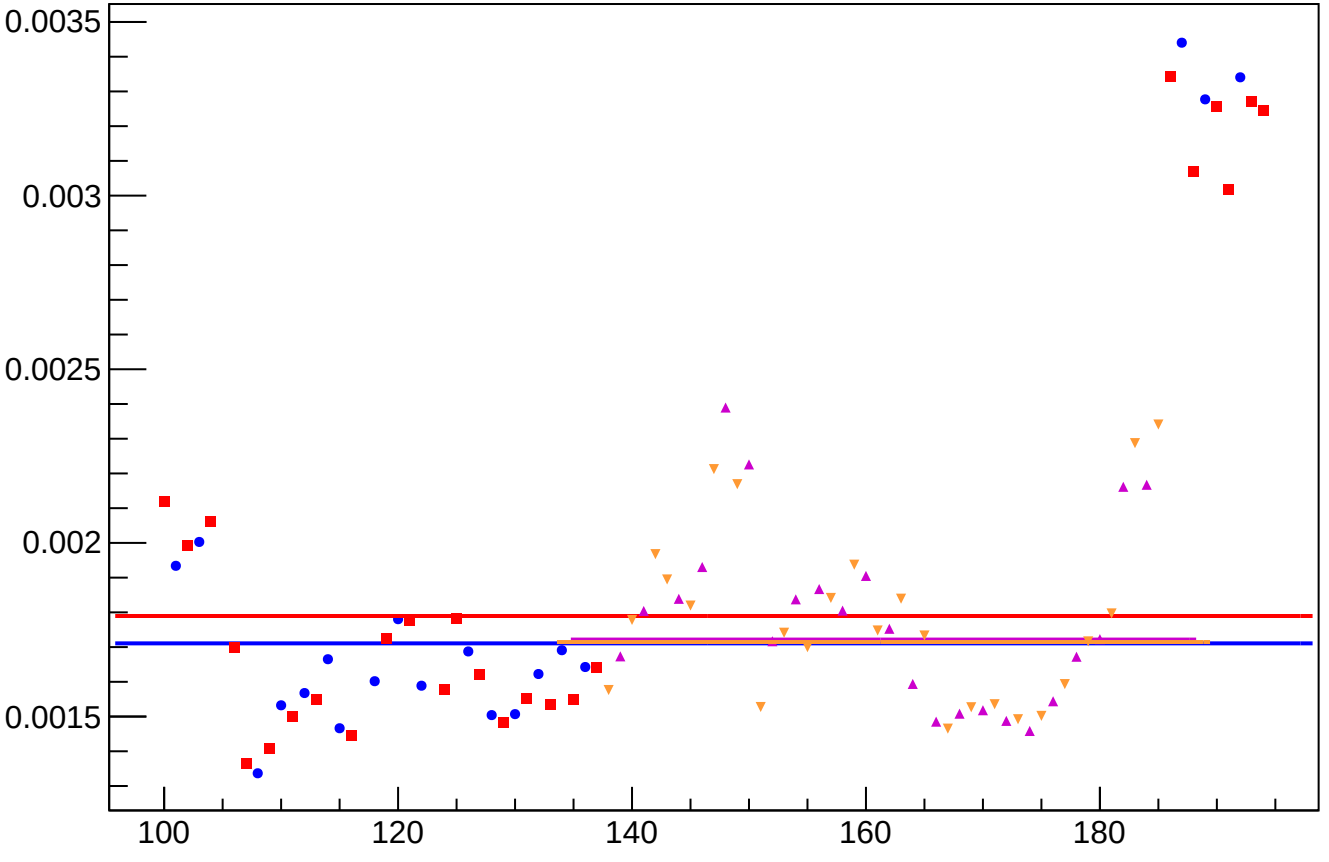
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.953+/-0.000 χ^2/NDF: 1589038703000.3/4

All: -3.973+/-0.000 χ^2/NDF: 3142366891909

- sign -3.993+/-0.000 χ^2/NDF: 1546063808241.7/47

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: 1758611.1/24

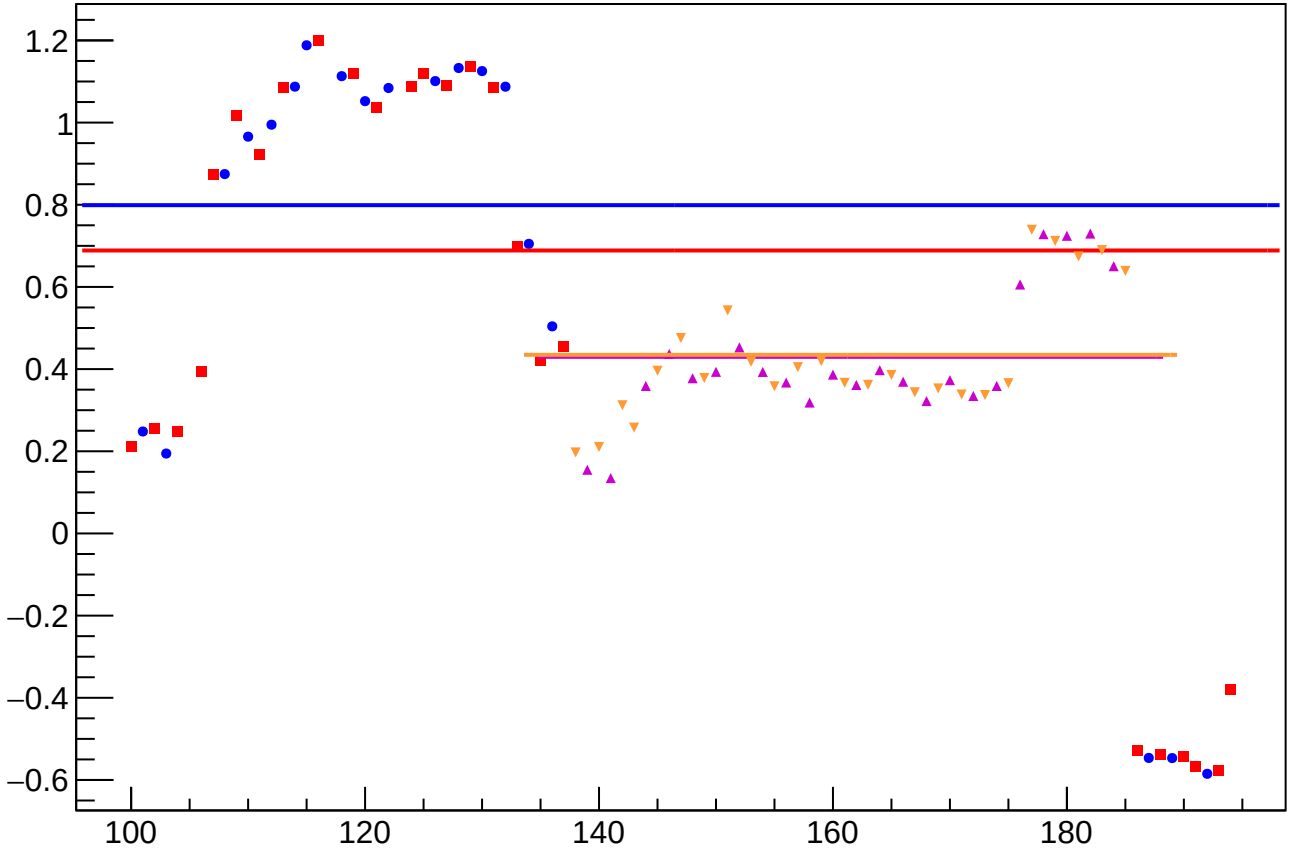
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 1513577.6/43

All: 0.002+/-0.000 χ^2/NDF: 3881833.8/91

- sign 0.002+/-0.000 χ^2/NDF: 2359258.4/47

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: 0.689+/-0.000 χ^2/NDF: 73869003148.9/24

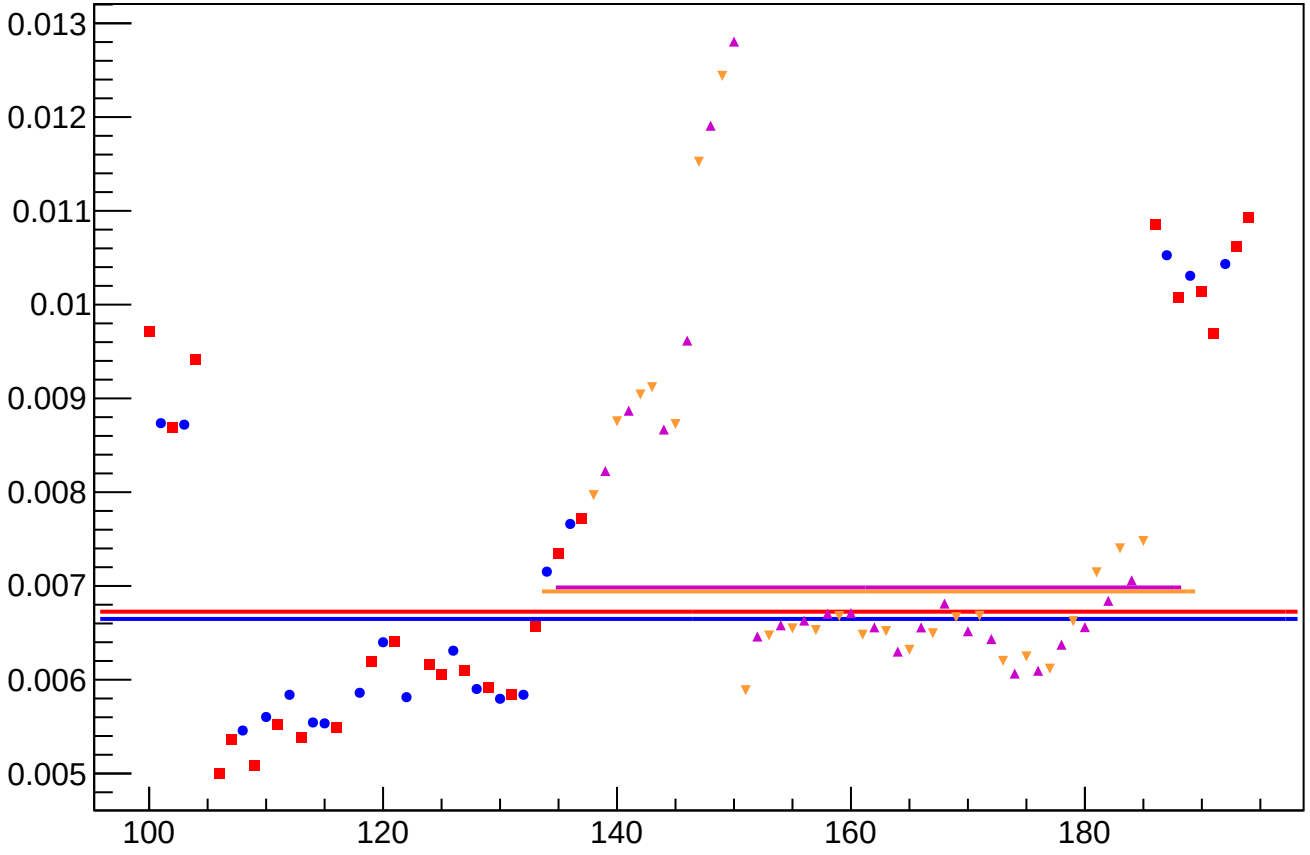
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.555+/-0.000 χ^2/NDF: 71753739420.4/43

All: 0.542+/-0.000 χ^2/NDF: 164236722628.1

- sign 0.530+/-0.000 χ^2/NDF: 92300045311.9/47

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

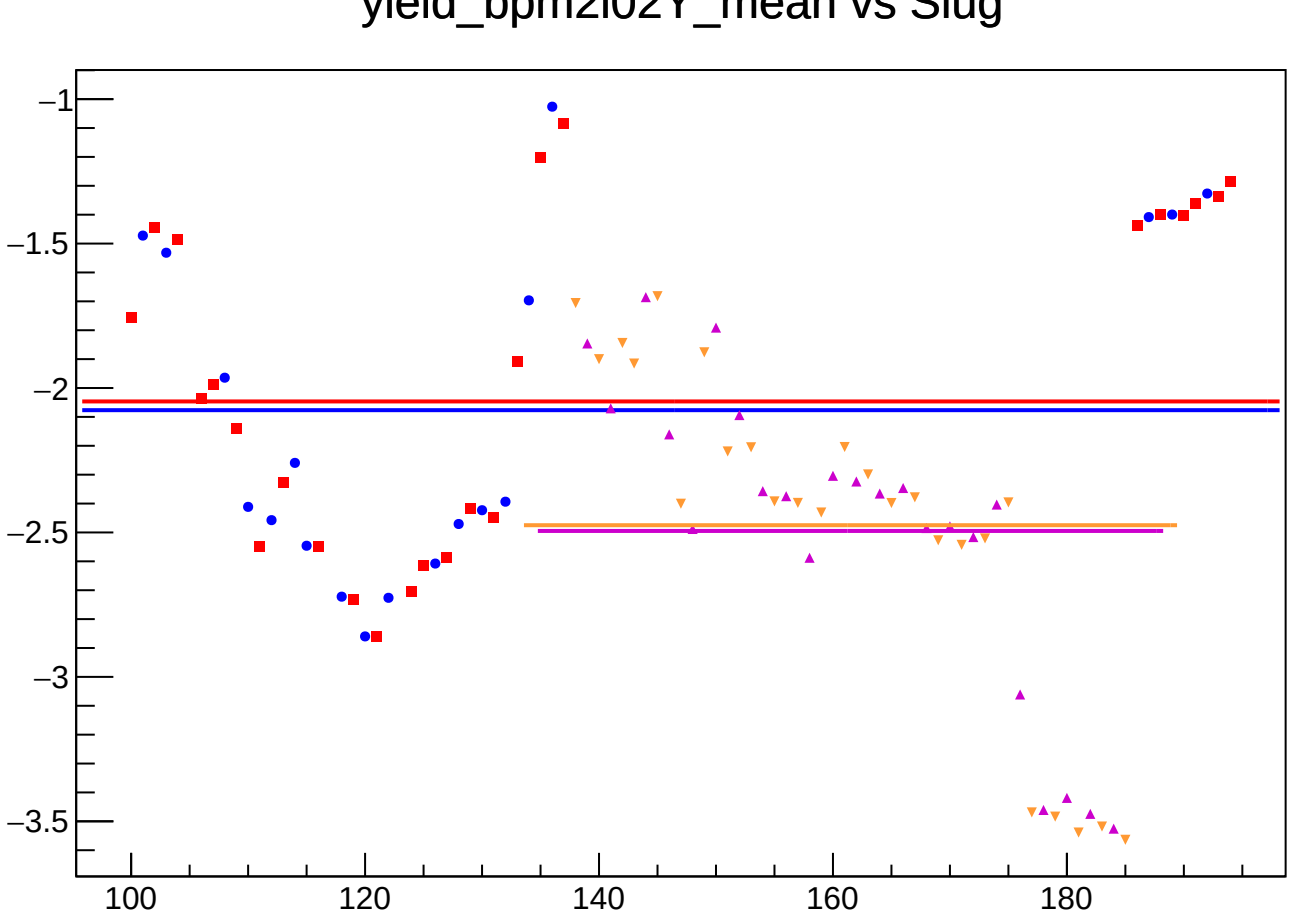
Right Out: 0.007+/-0.000 χ^2/NDF: 1522036.5/24

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: 4604395.2/91

- sign 0.007+/-0.000 χ^2/NDF: 2677234.7/47



Right In: -2.077+/-0.000 χ^2/NDF: 75696684442.4/18

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -2.046+/-0.000 χ^2/NDF: 79585887355.6/24

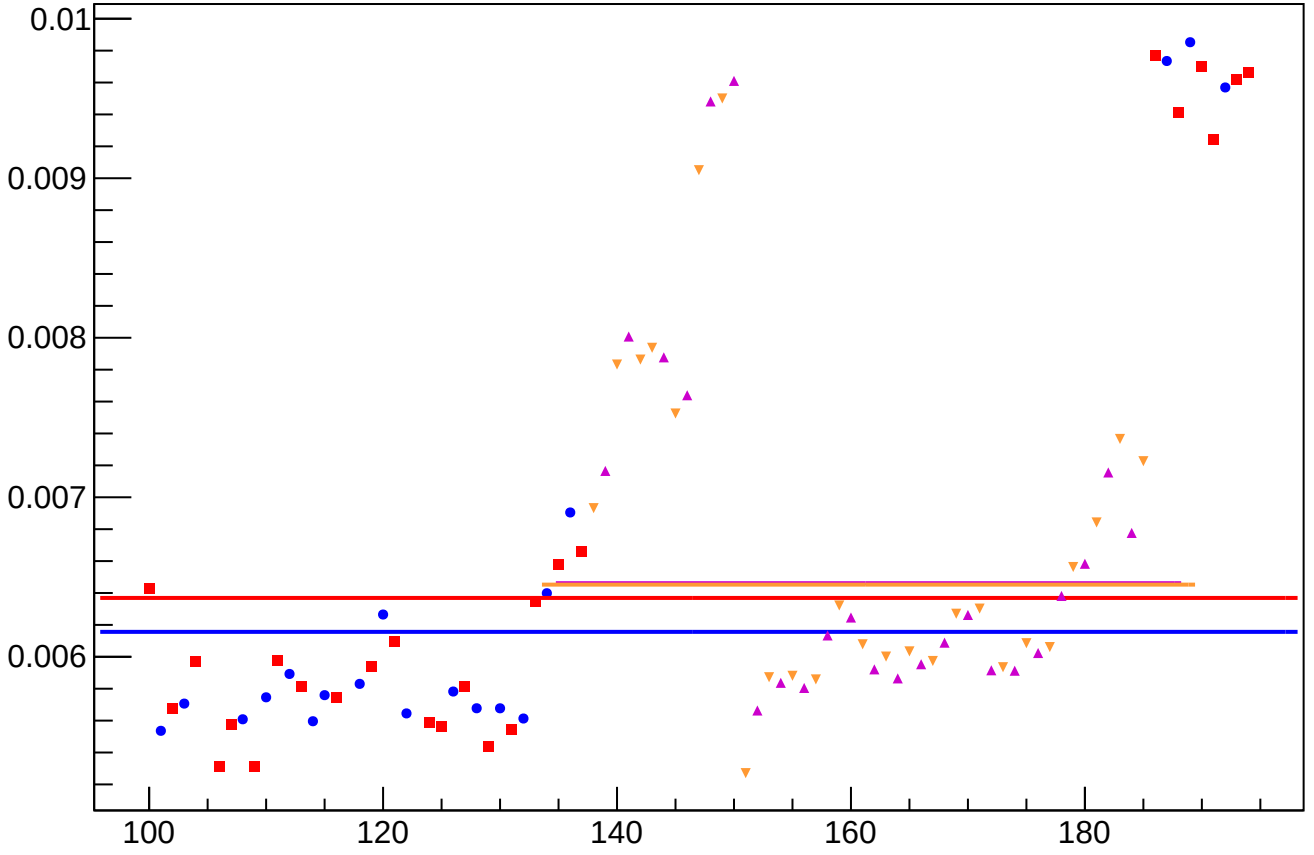
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.342+/-0.000 χ^2/NDF: 222695824619.5/43

All: -2.334+/-0.000 χ^2/NDF: 431819098178.6

- sign -2.325+/-0.000 χ^2/NDF: 209023335466.8/47

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

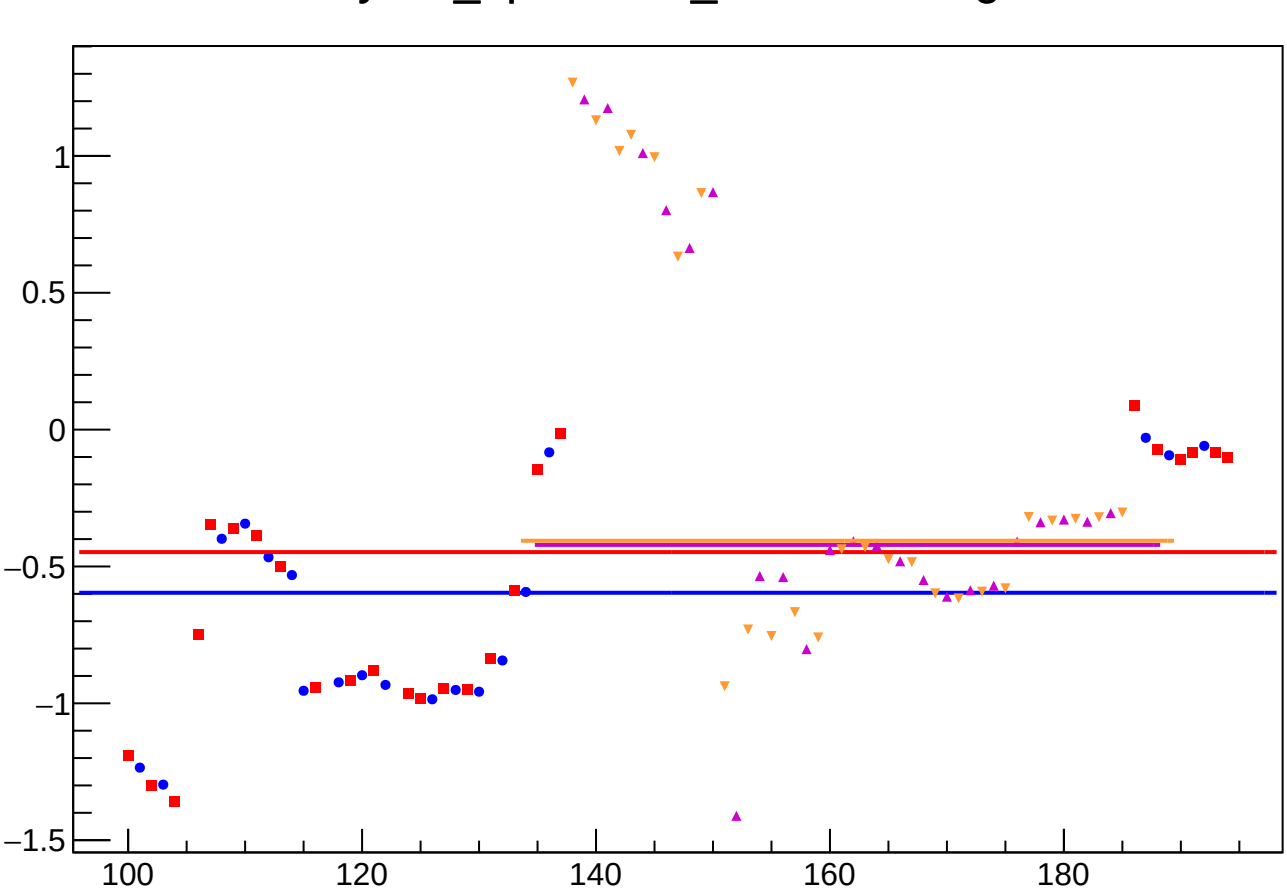
Right Out: 0.006+/-0.000 χ^2/NDF: 1014537.9/24

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: 3022263.9/91

- sign 0.006+/-0.000 χ^2/NDF: 1737955.5/47



Right In: -0.596+/-0.000 χ^2/NDF: 17810756225.3/18

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.447+/-0.000 χ^2/NDF: 24941485832.4/24

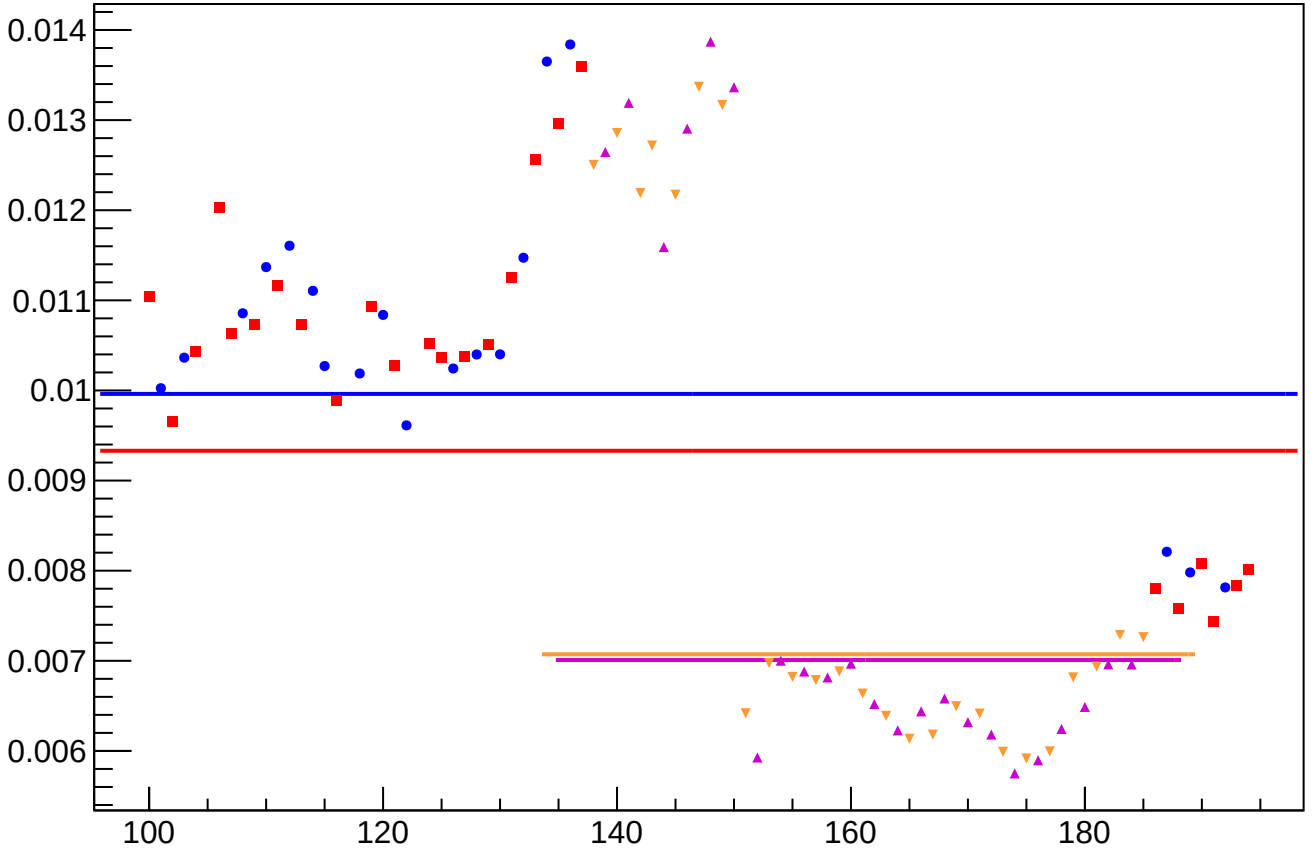
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.443+/-0.000 χ^2/NDF: 101944261059.0/43

All: -0.435+/-0.000 χ^2/NDF: 217239445253.0

- sign -0.428+/-0.000 χ^2/NDF: 115244948904.1/47

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

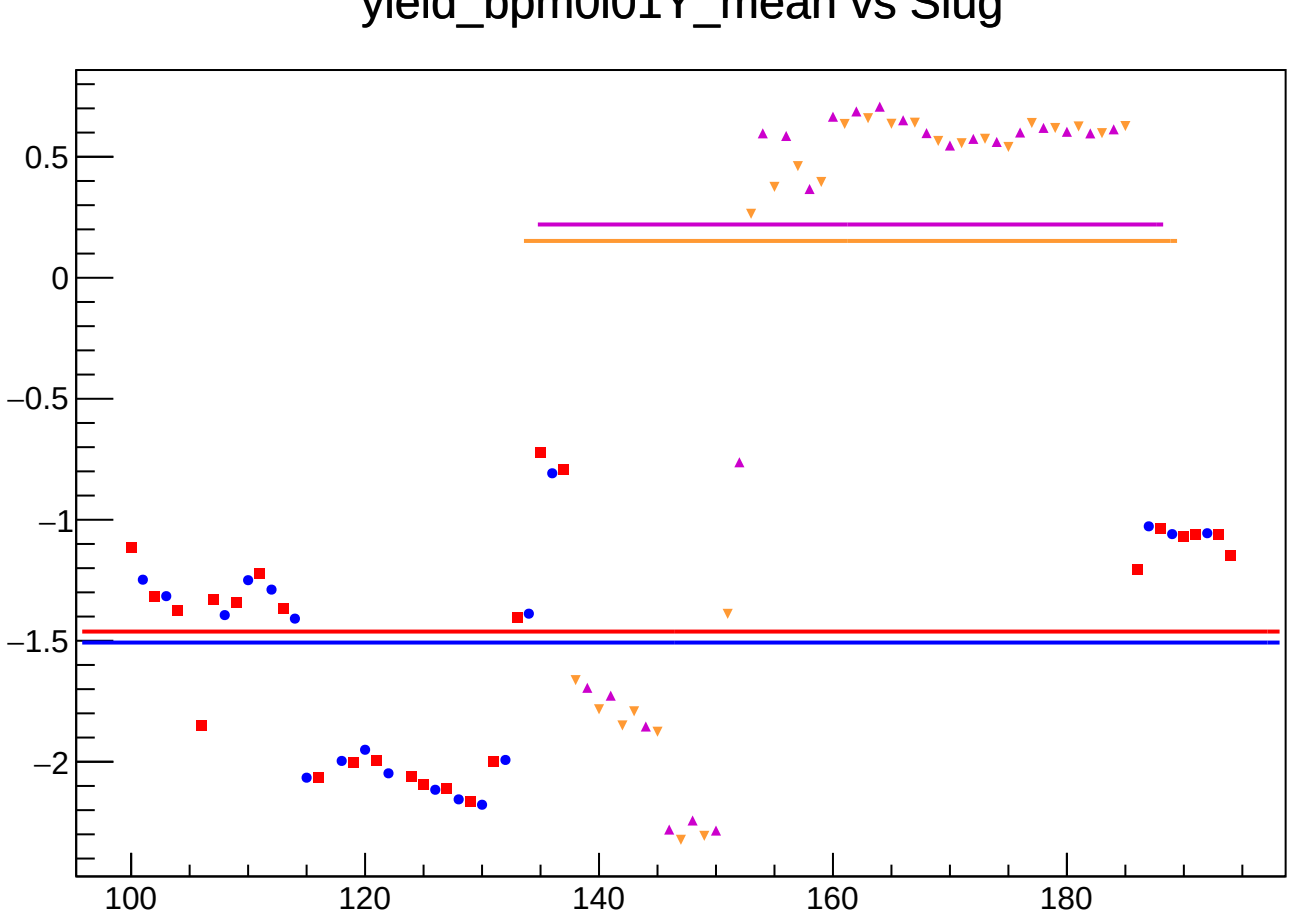
Right Out: 0.009+/-0.000 χ^2/NDF: 649699.2/24

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: 8090908.5/91

- sign 0.008+/-0.000 χ^2/NDF: 4070192.0/47



Right In: -1.507+/-0.000 χ^2/NDF: 177620736377.1/18

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.462+/-0.000 χ^2/NDF: 170153669288.4/24

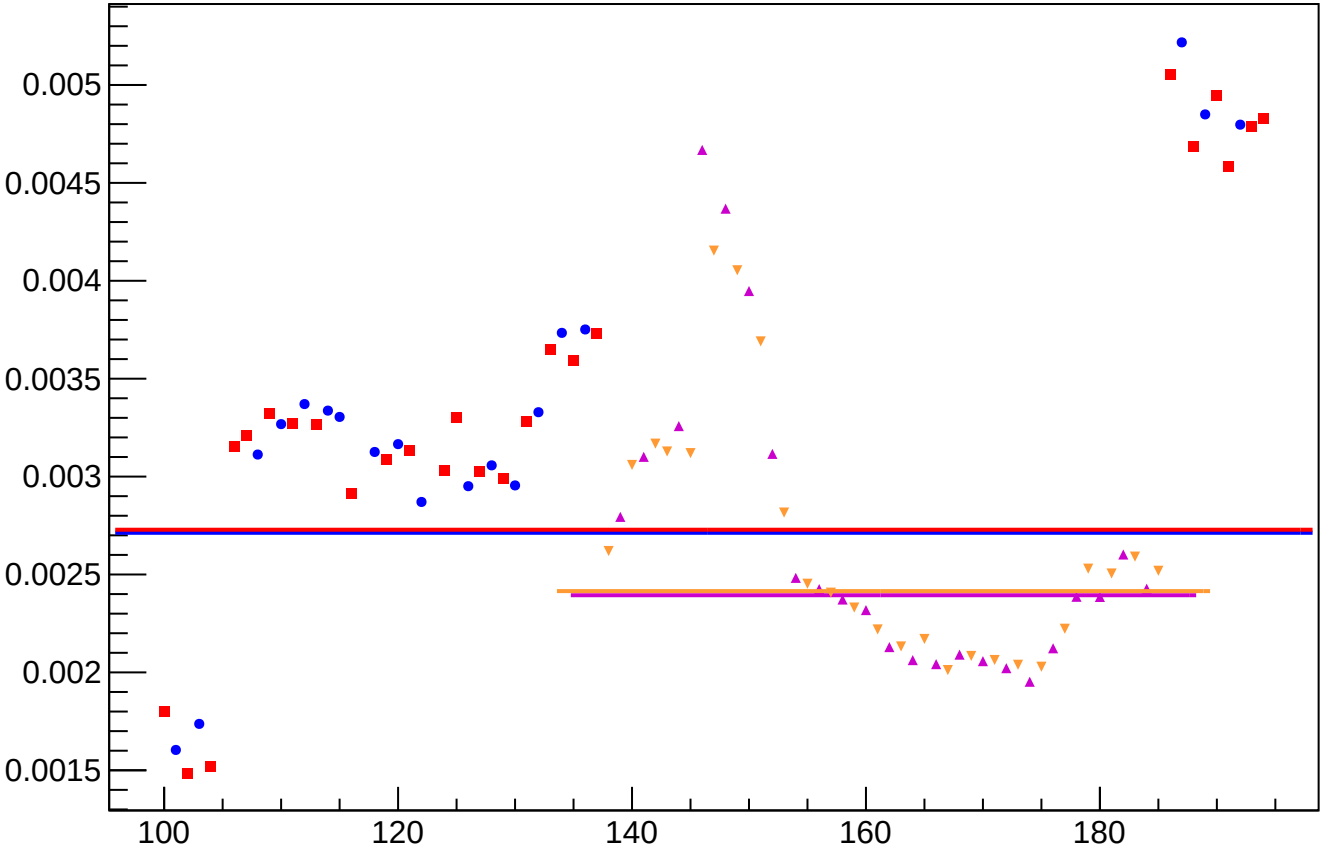
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.270+/-0.000 χ^2/NDF: 4625526570164.9/4

All: -0.274+/-0.000 χ^2/NDF: 9253056769742

- sign -0.278+/-0.000 χ^2/NDF: 4627403373875.3/47

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

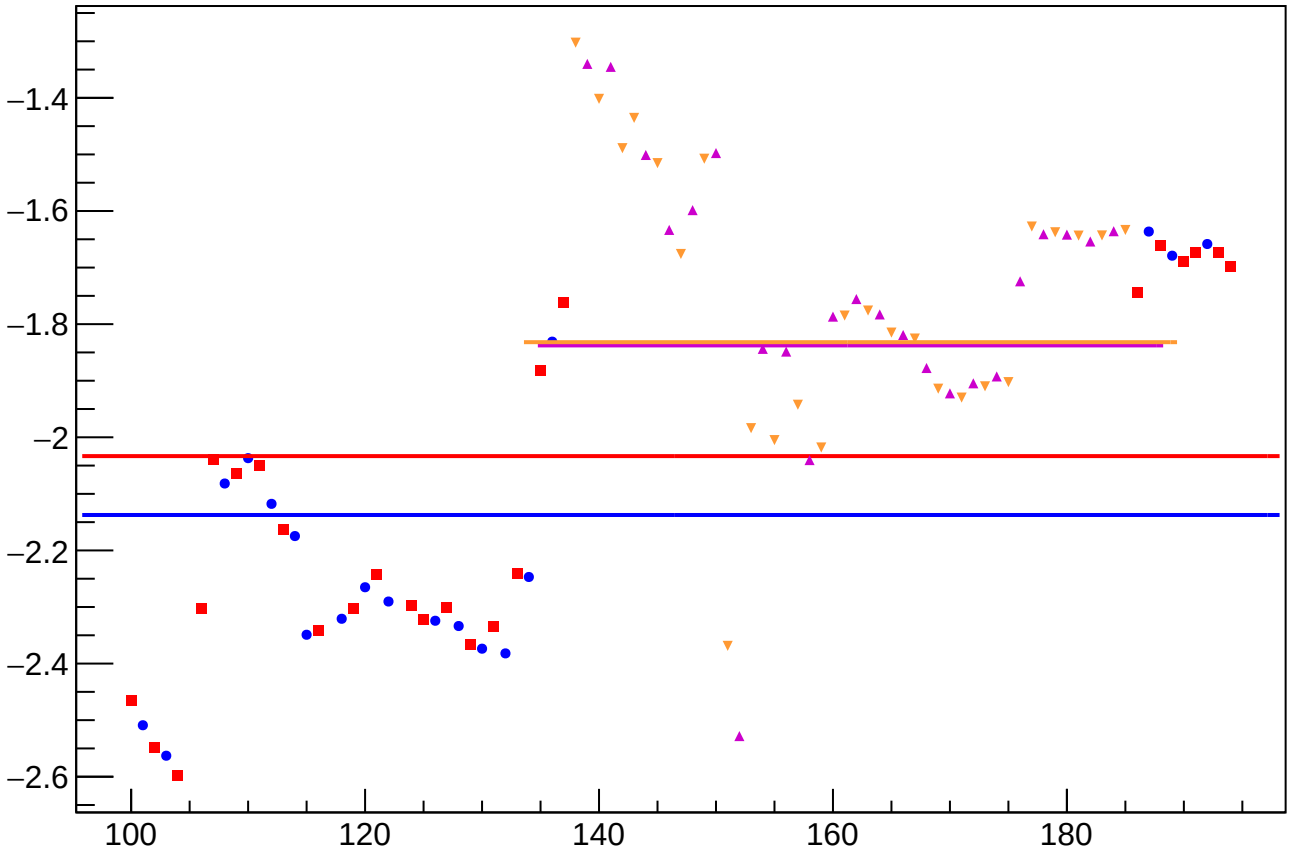
Right Out: 0.003+/-0.000 χ^2/NDF: 3076817.8/24

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: 7876283.3/91

- sign 0.002+/-0.000 χ^2/NDF: 4671168.9/47



Right In: -2.137+/-0.000 χ^2/NDF: 22650445909.8/18

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -2.033+/-0.000 χ^2/NDF: 33097640146.6/24

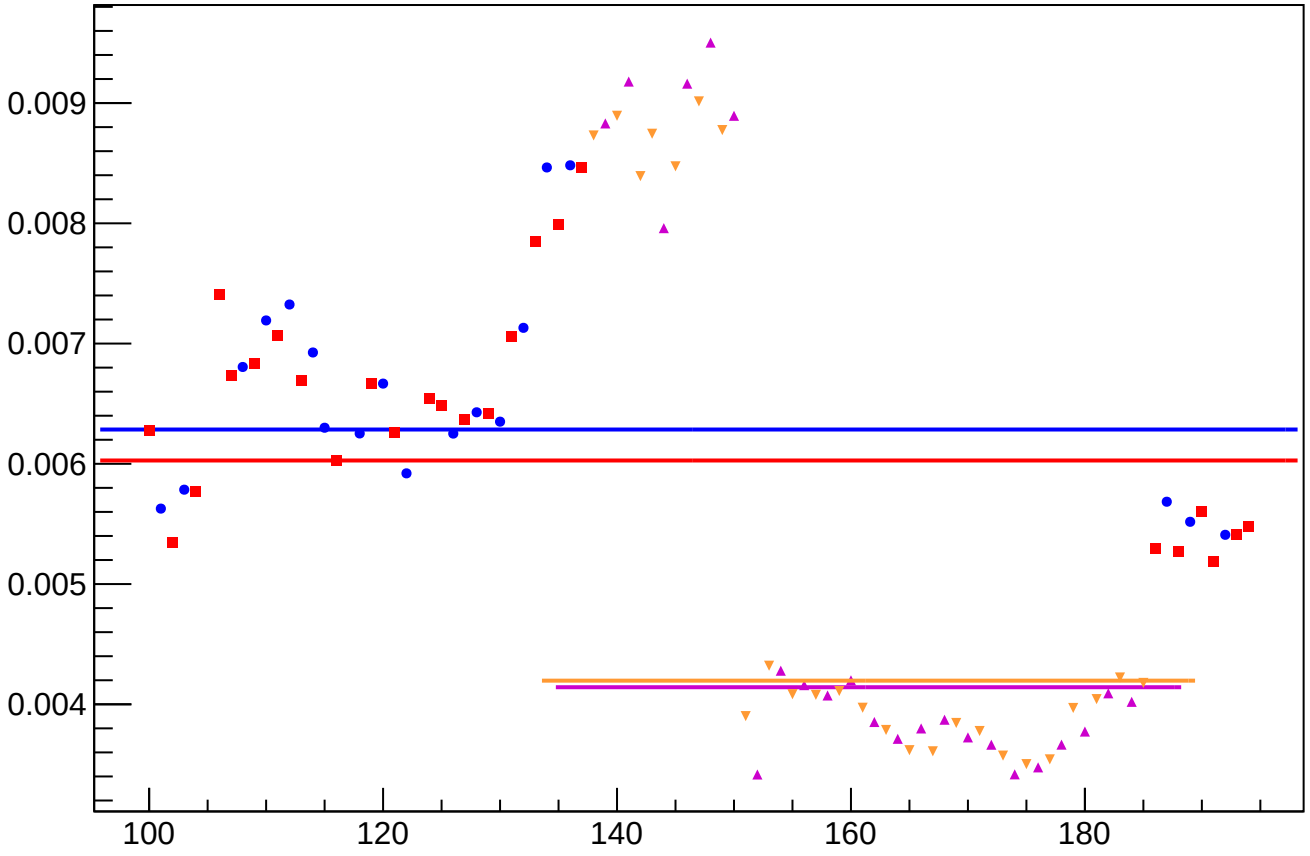
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.887+/-0.000 χ^2/NDF: 77479479811.5/43

All: -1.885+/-0.000 χ^2/NDF: 172541889672.5

- sign -1.884+/-0.000 χ^2/NDF: 95056127139.7/47

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: 372919.7/24

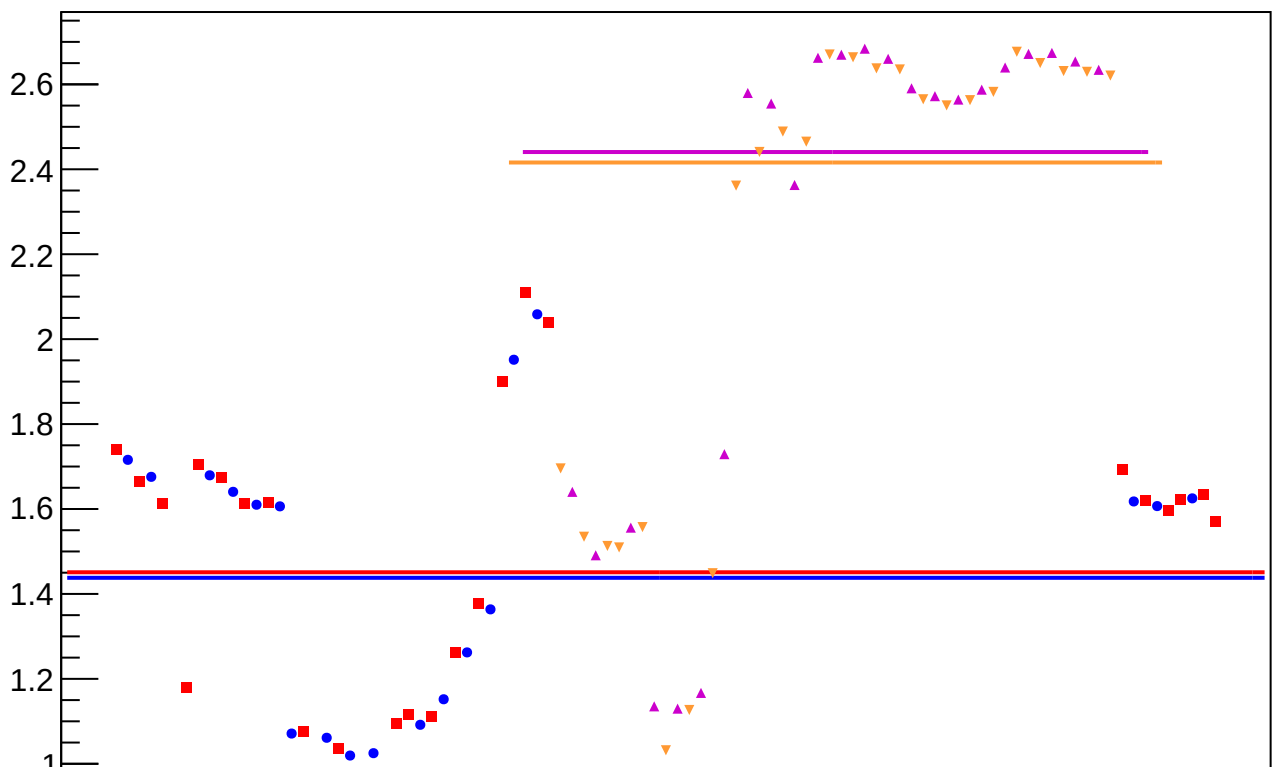
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 4950304.6/43

All: 0.005+/-0.000 χ^2/NDF: 10100129.3/91

- sign 0.005+/-0.000 χ^2/NDF: 5149593.7/47

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: 1.451+/-0.000 χ^2/NDF: 186300742085.9/24

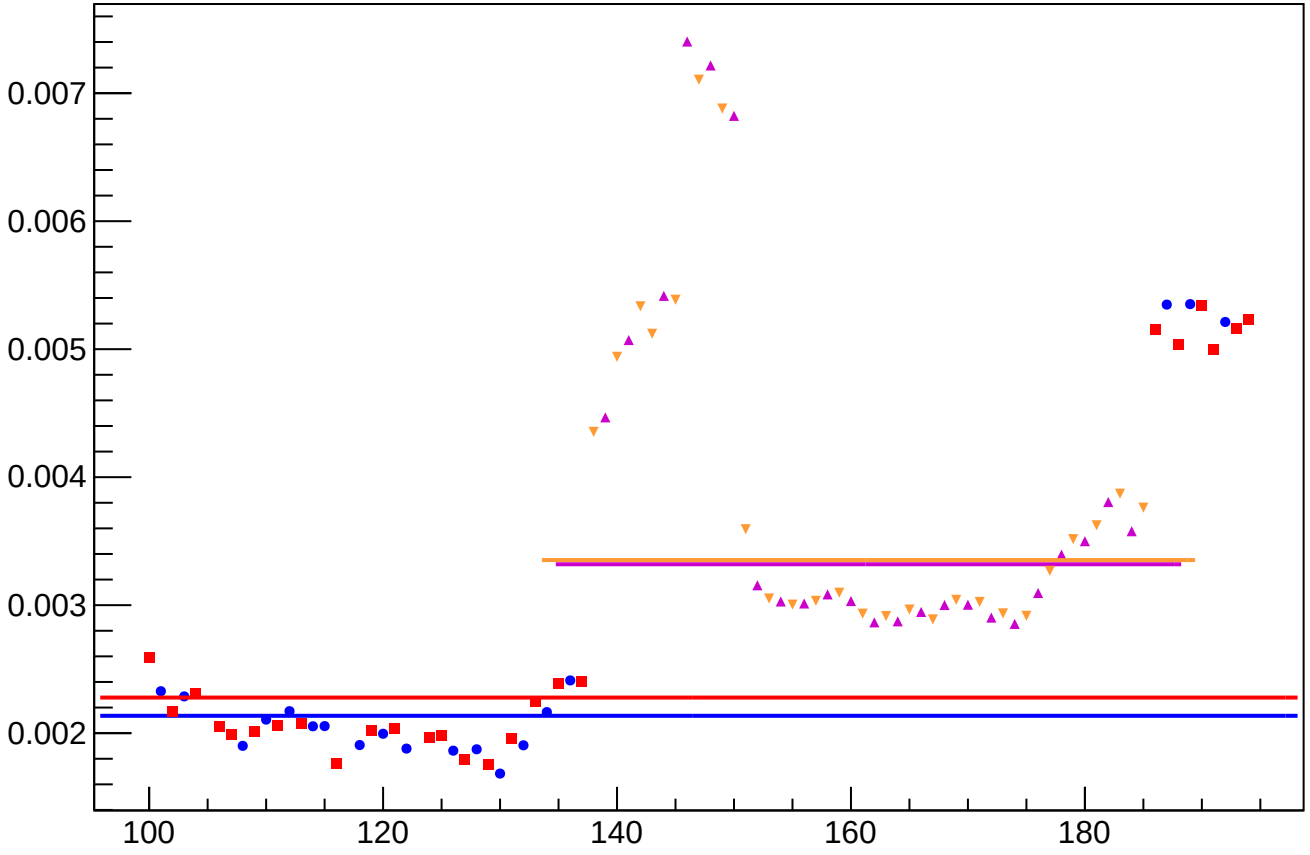
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.907+/-0.000 χ^2/NDF: 1207130210505.0/43

All: 1.905+/-0.000 χ^2/NDF: 2414850686047.

- sign 1.902+/-0.000 χ^2/NDF: 1207685158451.1/47

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

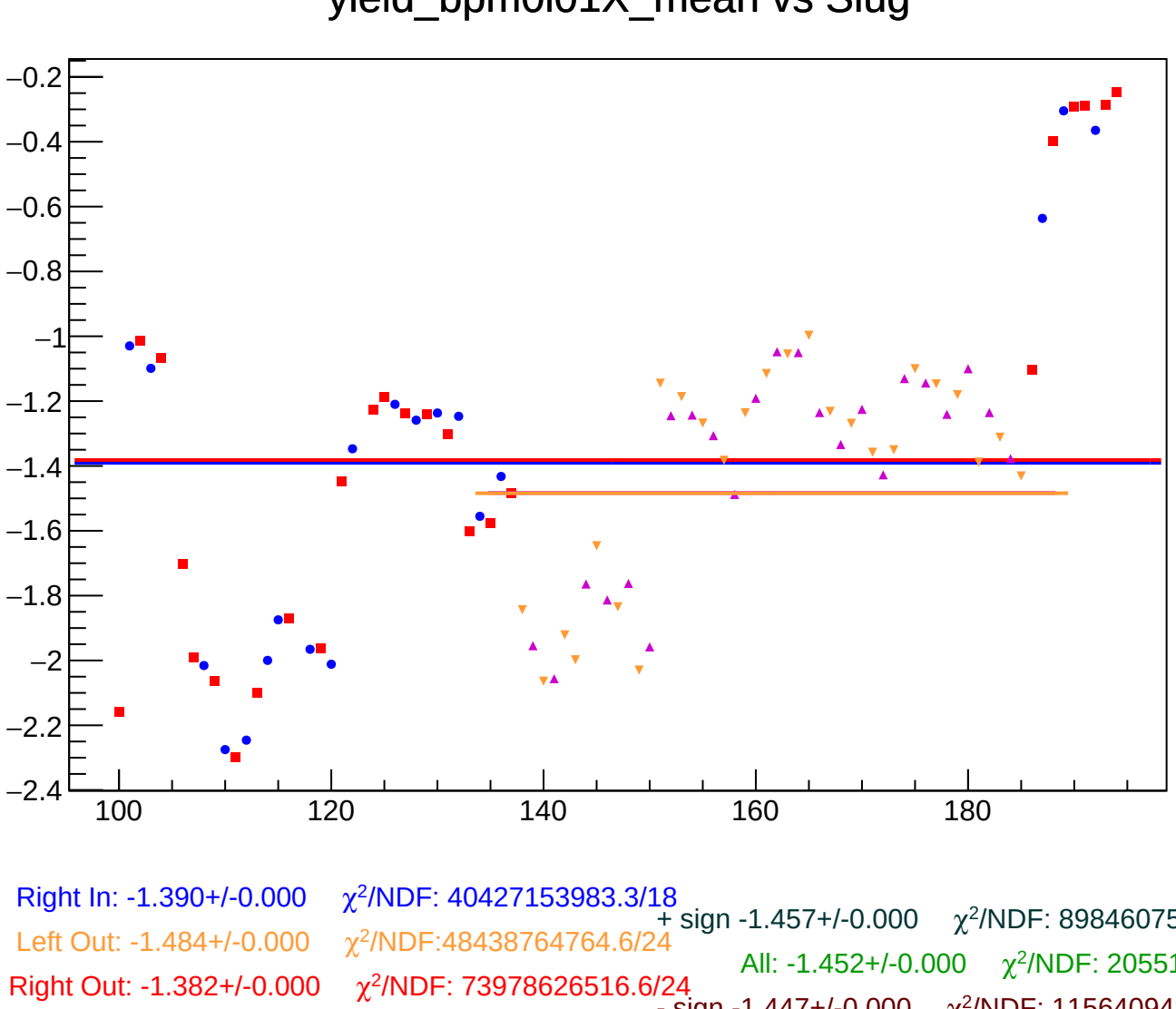
Right Out: 0.002+/-0.000 χ^2/NDF: 2557677.8/24

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: 11949858.2/91

- sign 0.003+/-0.000 χ^2/NDF: 6362314.8/47



Right In: -1.390+/-0.000 χ^2/NDF: 40427153983.3/18

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.382+/-0.000 χ^2/NDF: 73978626516.6/24

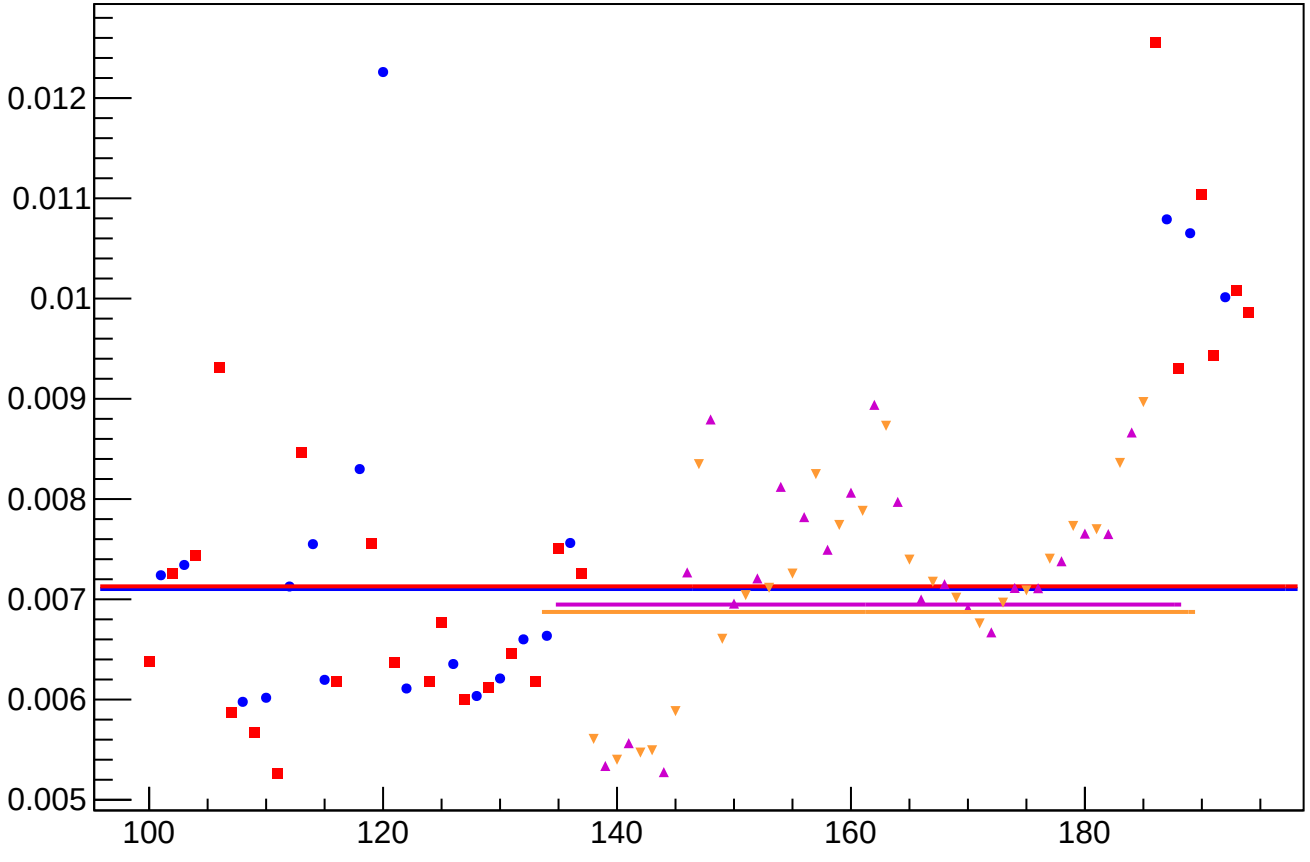
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.457+/-0.000 χ^2/NDF: 89846075144.2/43

All: -1.452+/-0.000 χ^2/NDF: 205514785508.3

- sign -1.447+/-0.000 χ^2/NDF: 115640948644.8/47

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

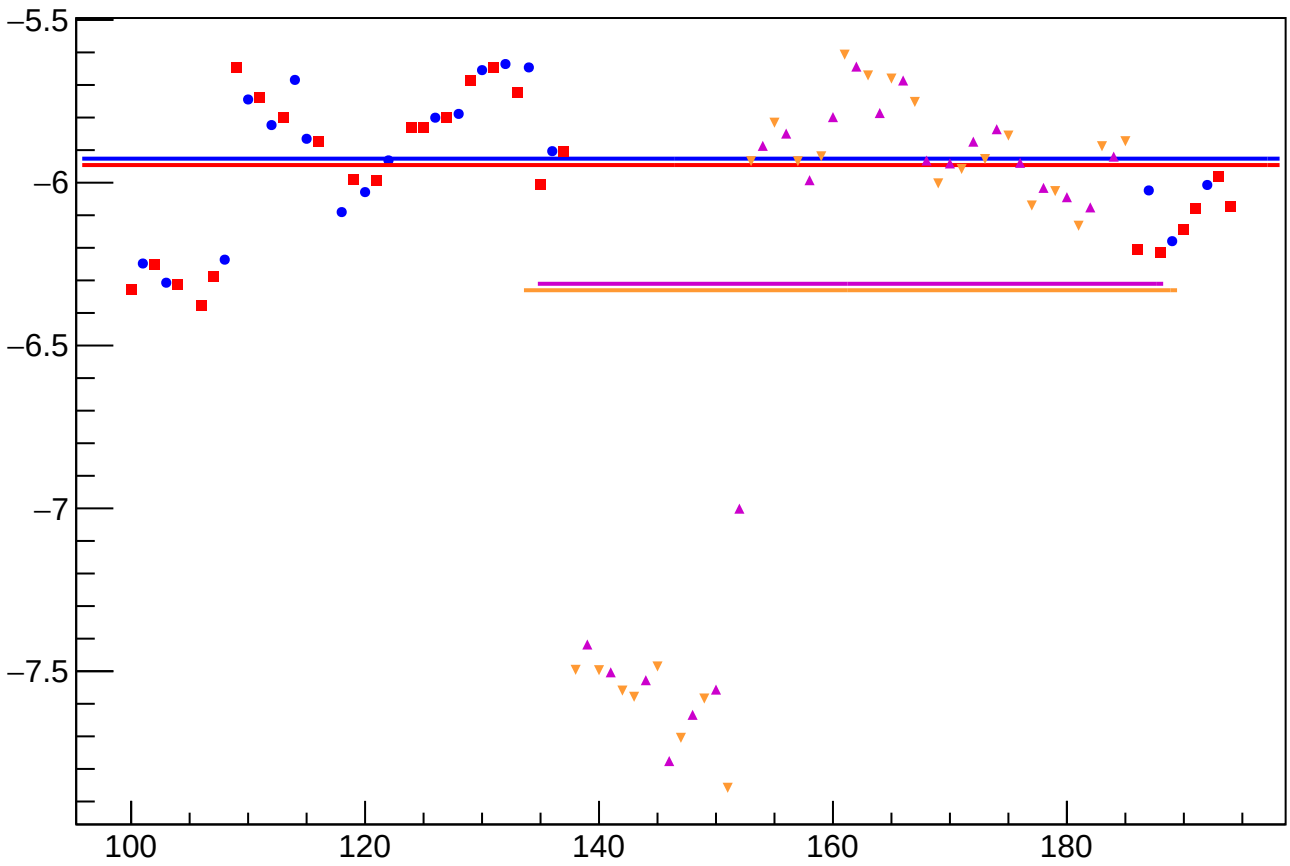
Right Out: 0.007+/-0.000 χ^2/NDF: 972741.6/24

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: 3065397.7/91

- sign 0.007+/-0.000 χ^2/NDF: 1727812.0/47



Right In: -5.926+/-0.000 χ^2/NDF: 11994422246.6/18

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

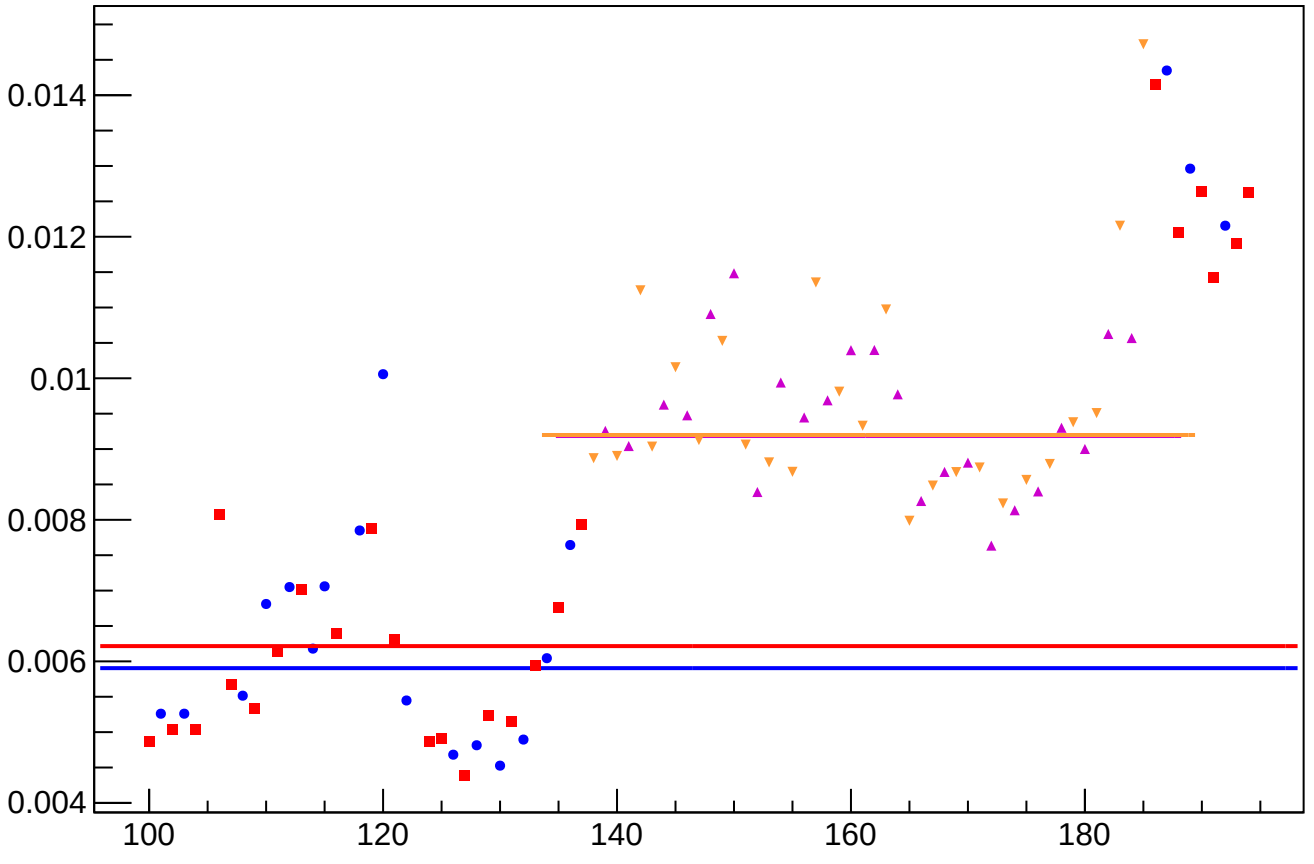
Right Out: -5.946+/-0.000 χ^2/NDF: 13505687884.4/24

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.119+/-0.000 χ^2/NDF: 138574207006.2/43

All: -6.112+/-0.000 χ^2/NDF: 257424607828.

- sign -6.106+/-0.000 χ^2/NDF: 118813443698.7/47



Right In: 0.006+/-0.000 χ^2/NDF: 1447441.8/18

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2277471.7/24

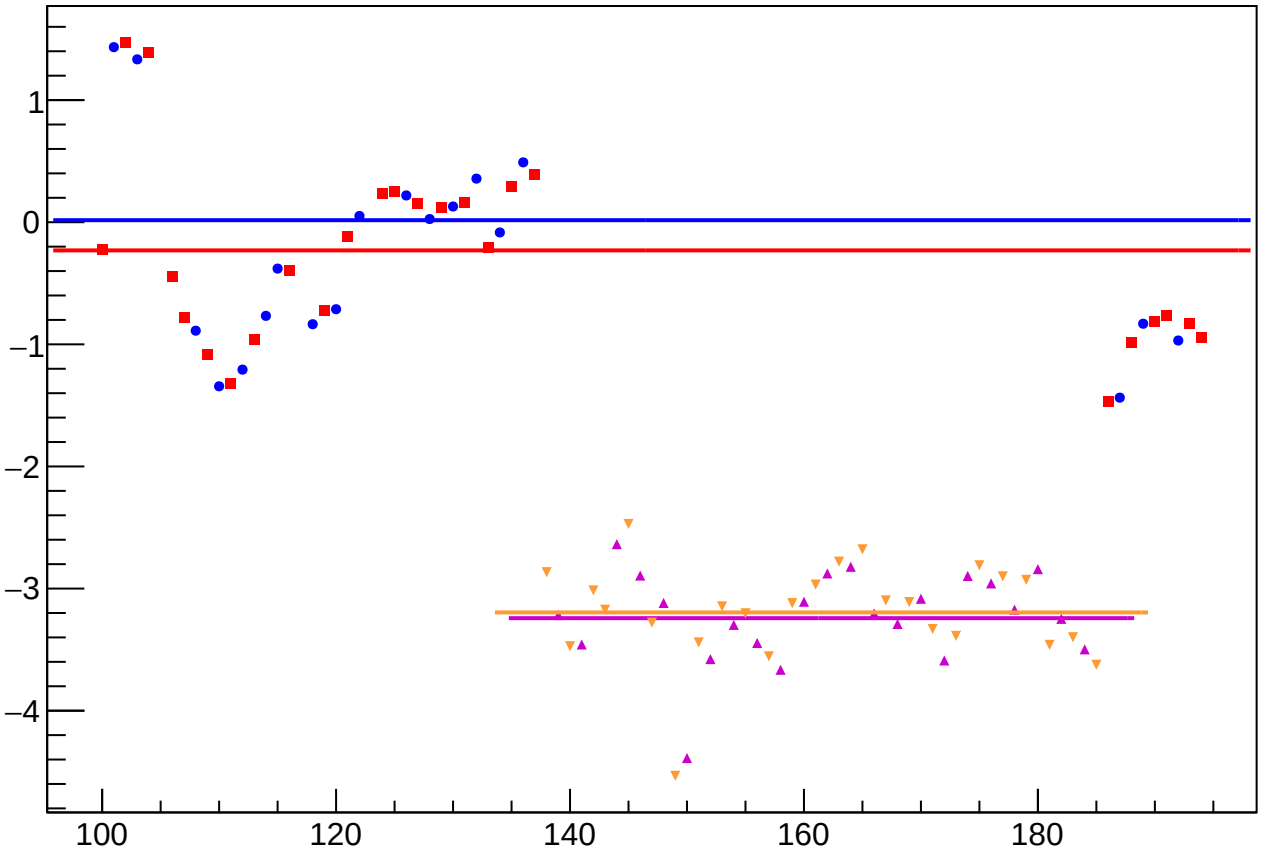
Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.007+/-0.000 χ^2/NDF: 3975484.3/43

All: 0.007+/-0.000 χ^2/NDF: 8378809.5/91

- sign 0.008+/-0.000 χ^2/NDF: 4402686.5/47

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: -0.231+/-0.000 χ^2/NDF: 30349794531.4/24

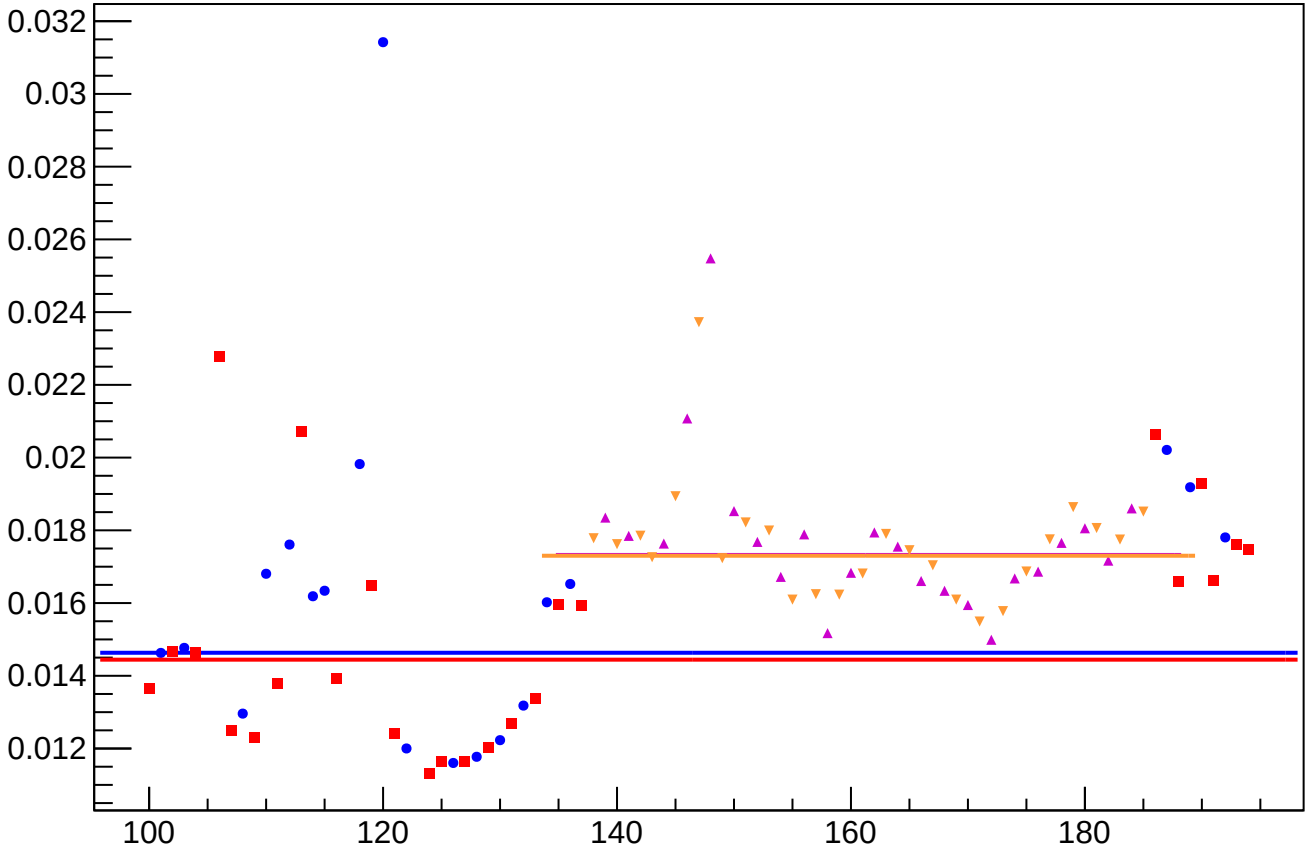
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -2.005+/-0.000 χ^2/NDF: 270184273004.6/43

All: -1.938+/-0.000 χ^2/NDF: 549684439570.3

- sign -1.876+/-0.000 χ^2/NDF: 278646677866.3/47

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

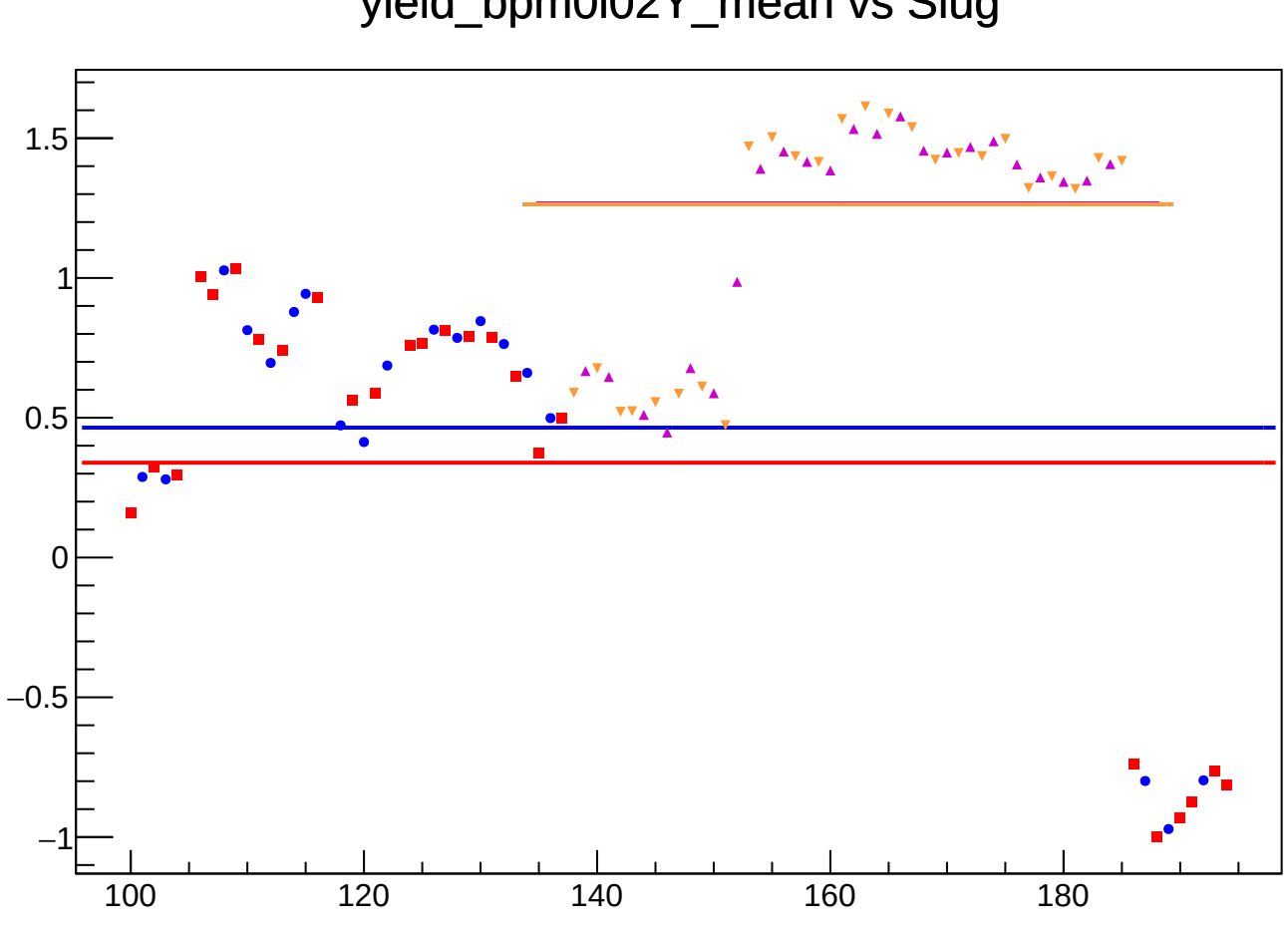
Right Out: 0.014+/-0.000 χ^2/NDF: 628351.7/24

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: 2578179.8/91

- sign 0.016+/-0.000 χ^2/NDF: 1397621.4/47



Right In: 0.465+/-0.000 χ^2/NDF: 25994679139.8/18

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.339+/-0.000 χ^2/NDF: 49660471618.8/24

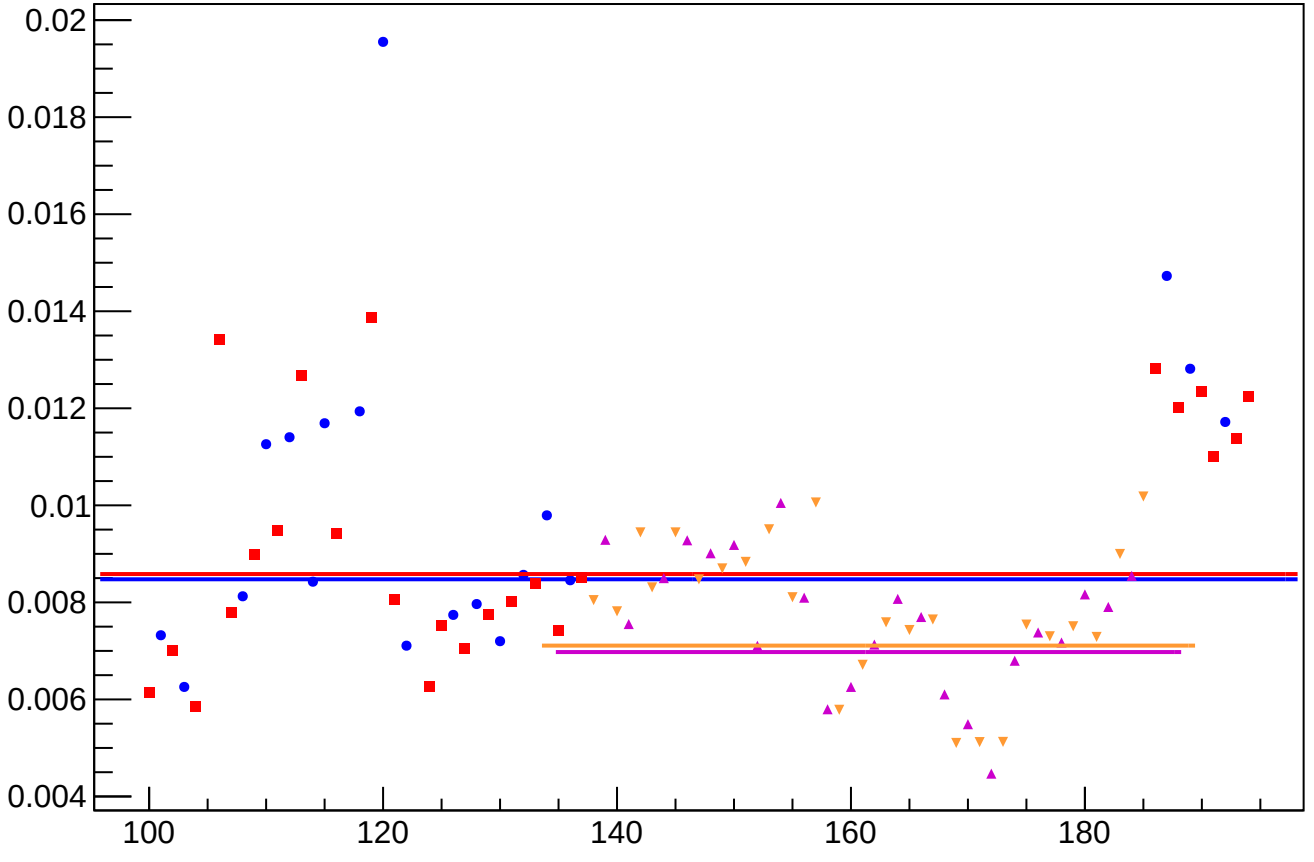
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 1.073+/-0.000 χ^2/NDF: 122673447903.3/43

All: 1.040+/-0.000 χ^2/NDF: 291218521575.6

- sign 1.008+/-0.000 χ^2/NDF: 167564237107.9/47

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

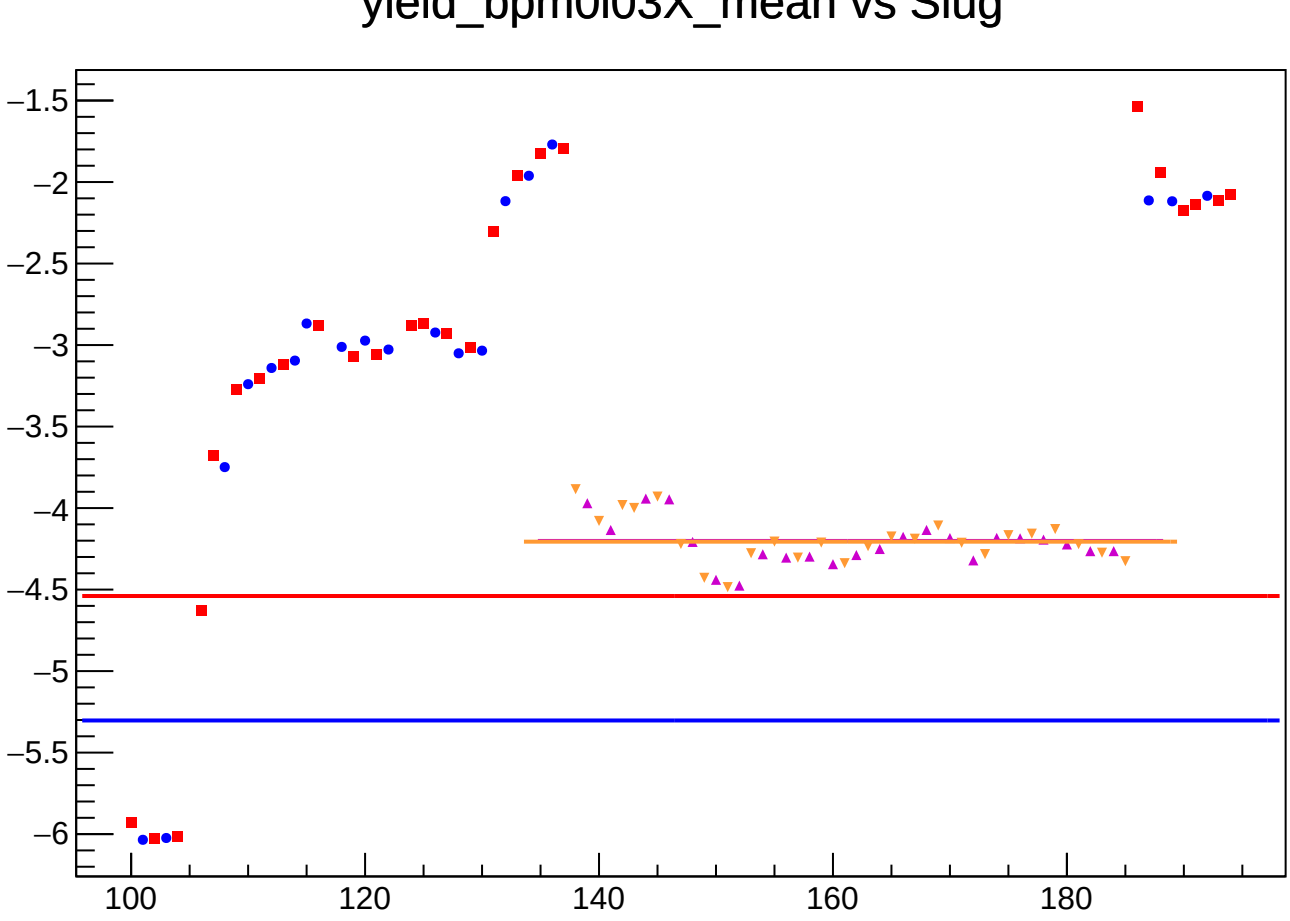
Right Out: 0.009+/-0.000 χ^2/NDF: 1275933.1/24

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: 5983325.2/91

- sign 0.007+/-0.000 χ^2/NDF: 3215363.6/47



Right In: -5.303+/-0.000 χ^2/NDF: 142910273235.0/18

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.539+/-0.000 χ^2/NDF: 245531476593.2/24

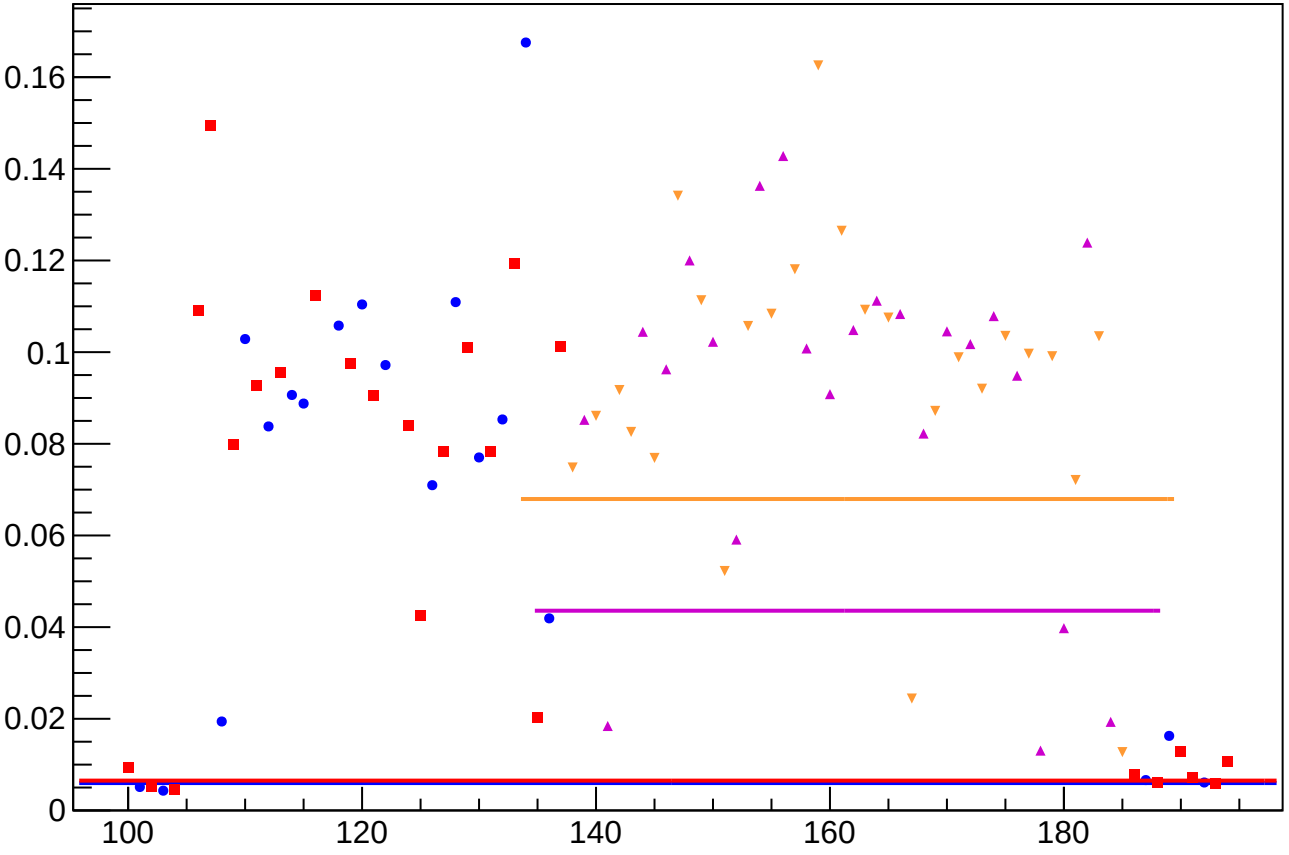
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -5.258+/-0.000 χ^2/NDF: 146041164846.2/43

All: -4.875+/-0.000 χ^2/NDF: 410323032243.3

- sign -4.520+/-0.000 χ^2/NDF: 246013331757.5/47

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: 0.007+/-0.000 χ^2/NDF: 8870000.2/24

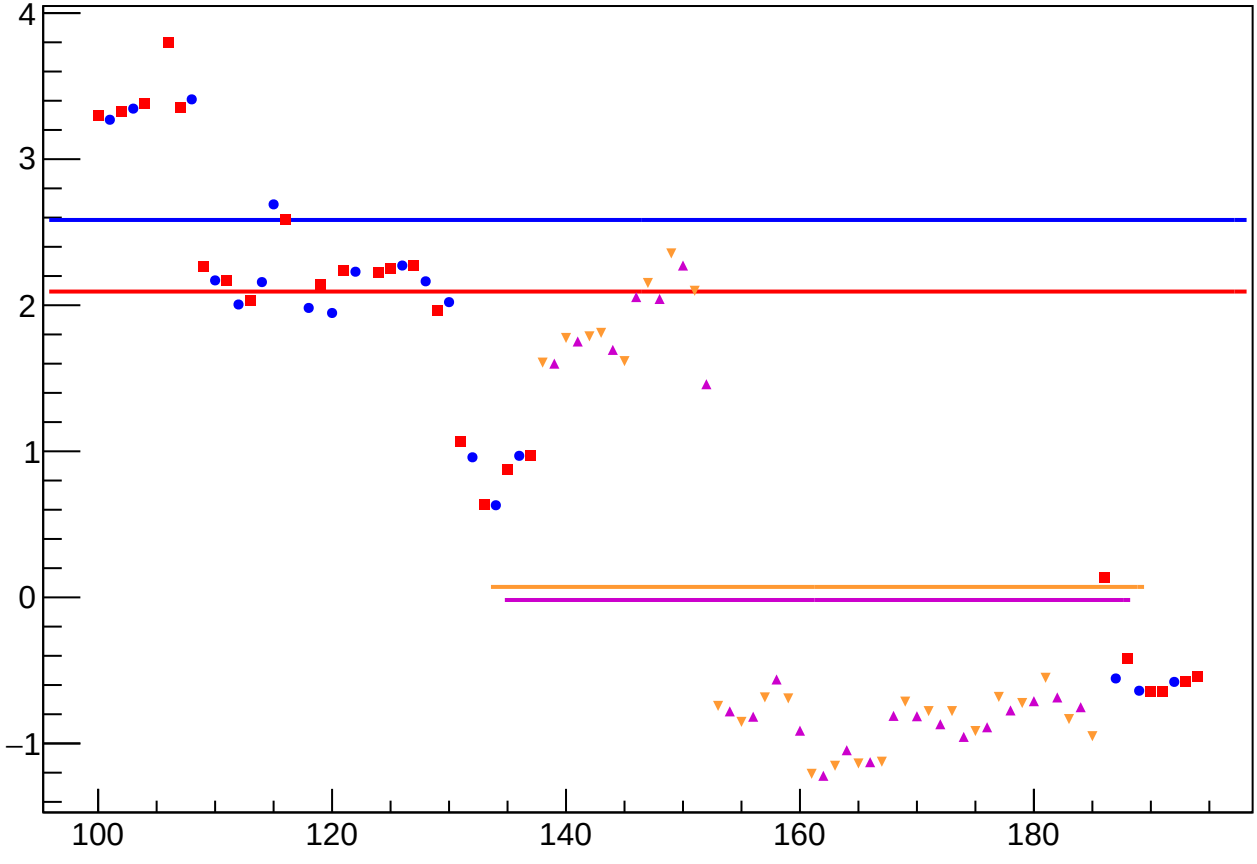
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 36030276.5/43

All: 0.009+/-0.000 χ^2/NDF: 68248050.2/91

- sign 0.009+/-0.000 χ^2/NDF: 32215851.5/47

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: 2.094+/-0.000 χ^2/NDF: 136245951494.2/24

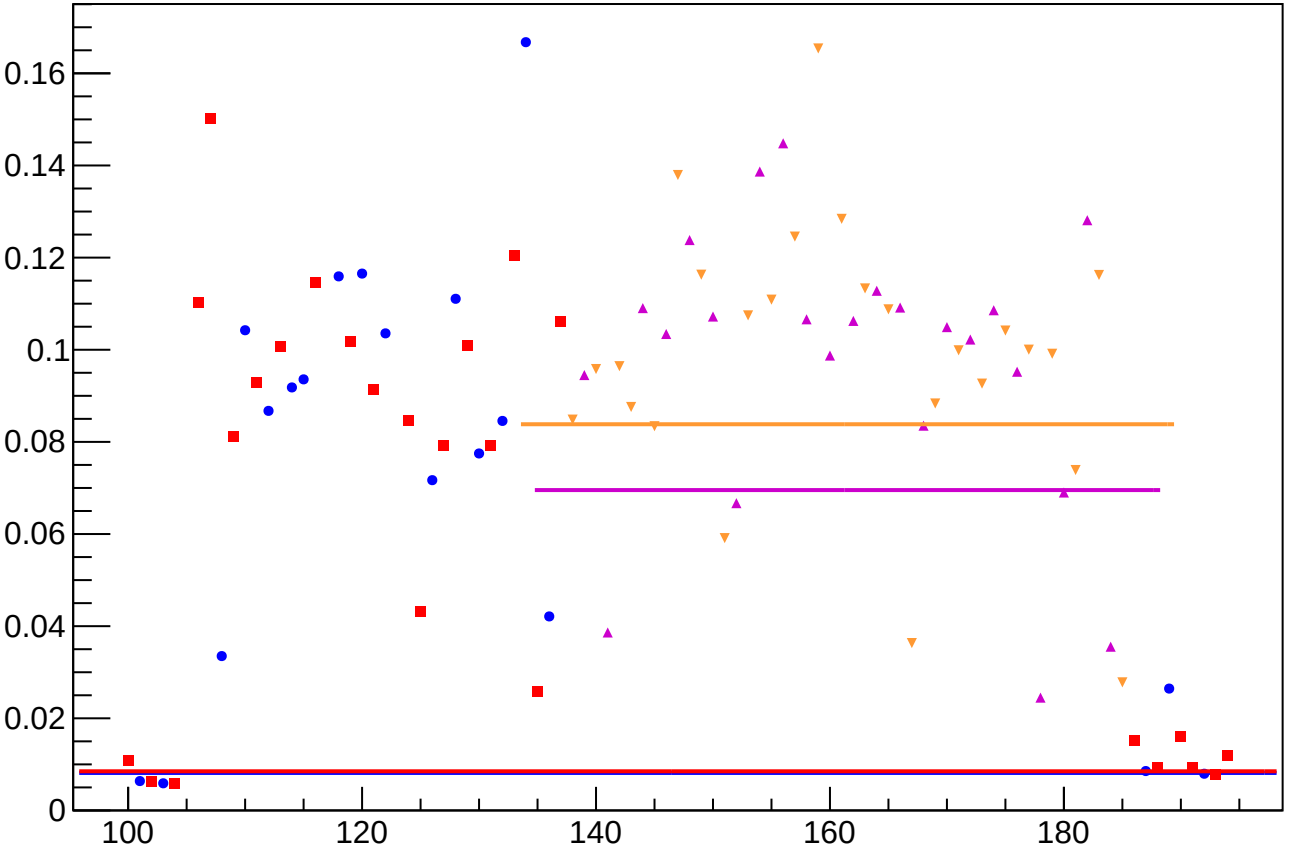
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 2.454+/-0.000 χ^2/NDF: 99481797332.1/43

All: 2.203+/-0.000 χ^2/NDF: 253918594914.3

- sign 1.983+/-0.000 χ^2/NDF: 149746347602.4/47

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

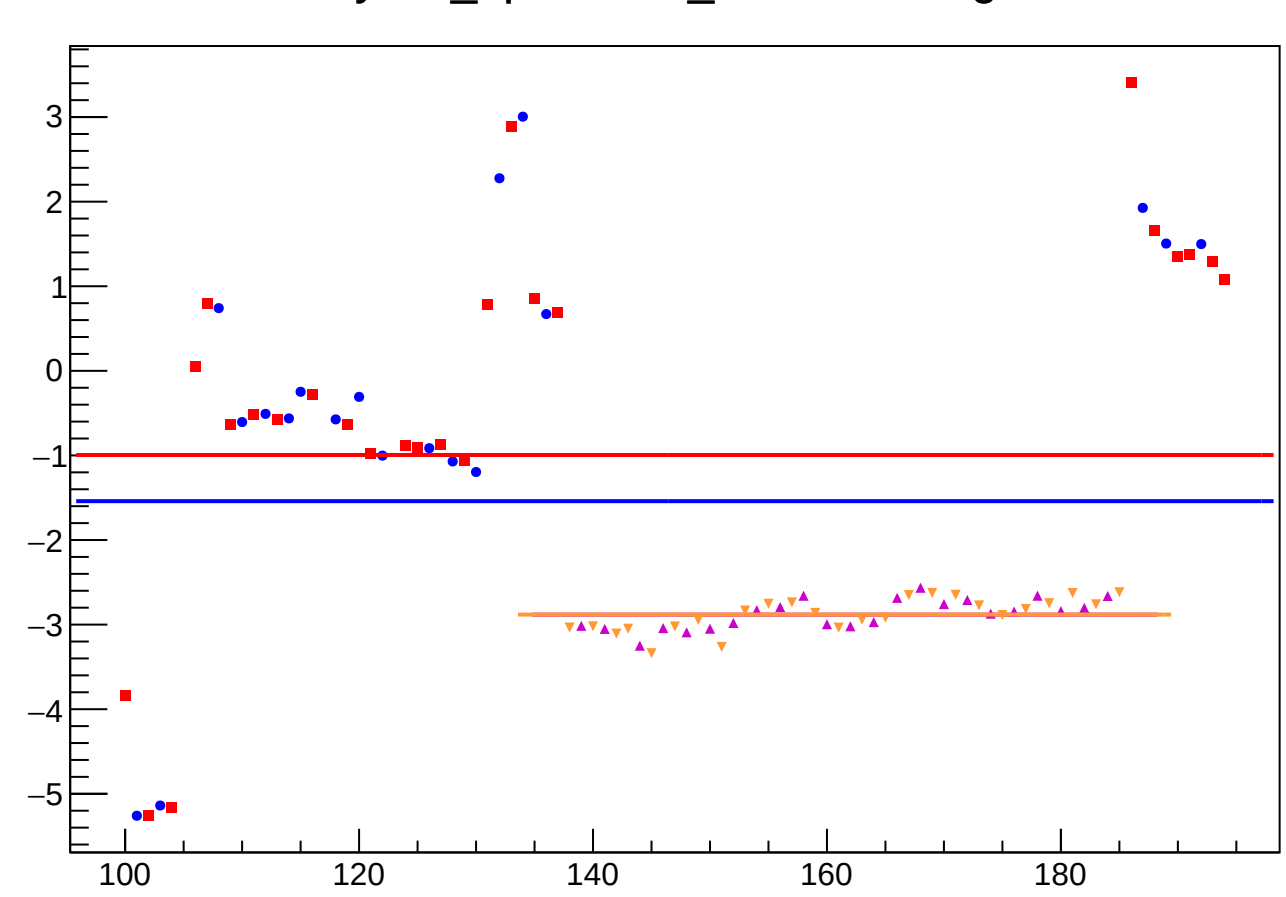
Right Out: 0.009+/-0.000 χ^2/NDF: 8716565.6/24

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: 66962287.2/91

- sign 0.012+/-0.000 χ^2/NDF: 32202206.0/47



Right In: -1.541+/-0.000 χ^2/NDF: 196303517890.3/18

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -0.995+/-0.000 χ^2/NDF: 228818227878.0/24

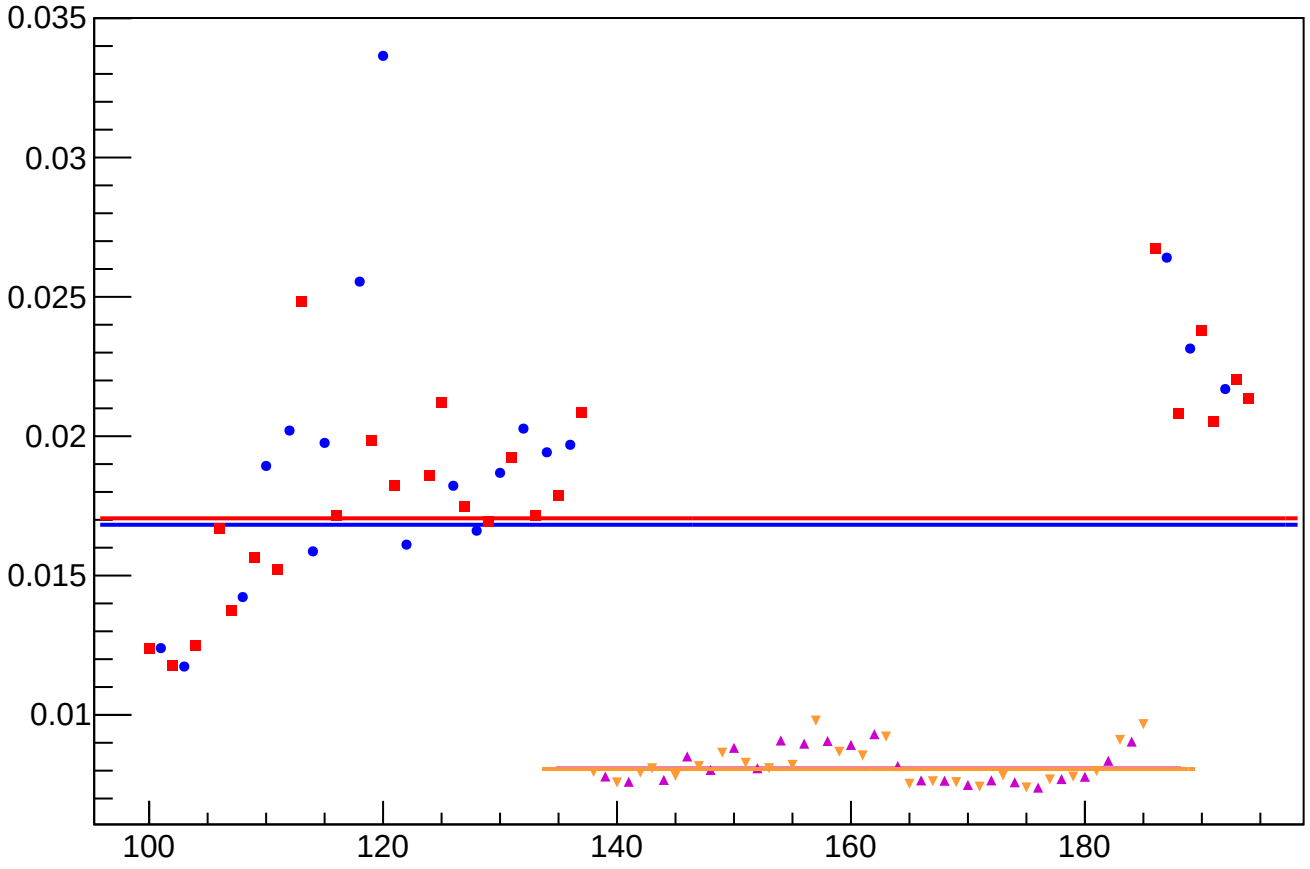
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.769+/-0.000 χ^2/NDF: 249415565856.5/43

All: -2.723+/-0.000 χ^2/NDF: 593046304274.8

- sign -2.674+/-0.000 χ^2/NDF: 342249465334.6/47

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

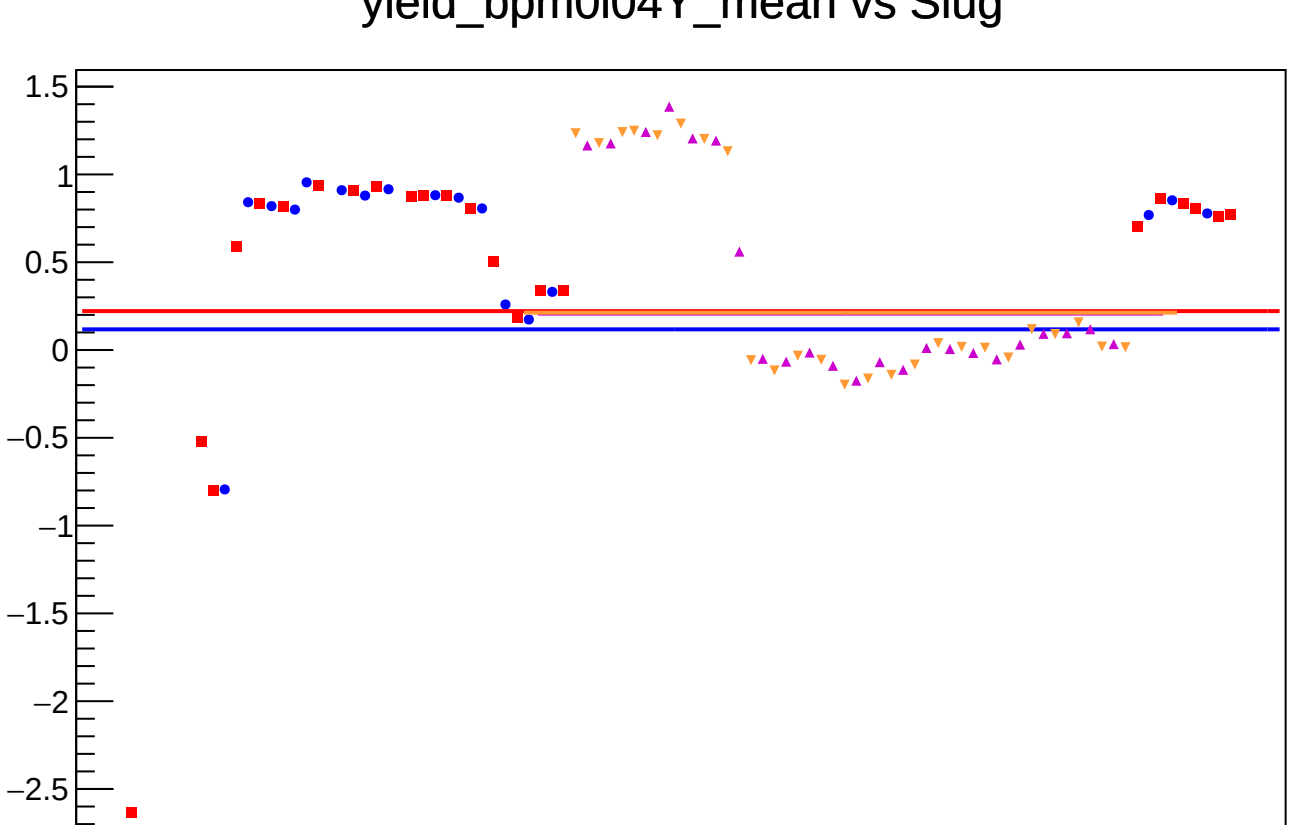
Right Out: 0.017+/-0.000 χ^2/NDF: 968125.4/24

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: 10728646.2/91

- sign 0.009+/-0.000 χ^2/NDF: 5904208.7/47



Right In: 0.118+/-0.000 χ^2/NDF: 886784629582.2/18

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.222+/-0.000 χ^2/NDF: 999538322199.0/24

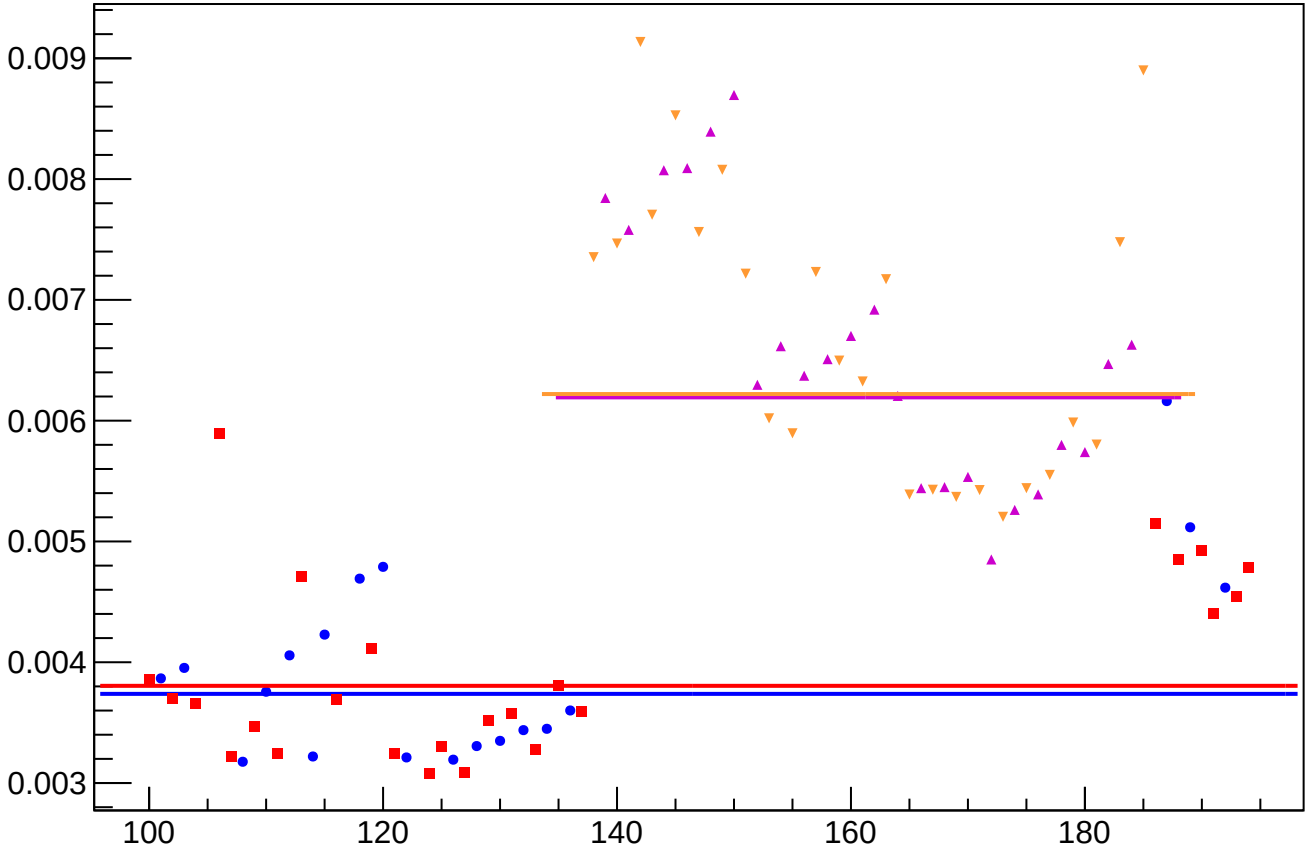
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.158+/-0.000 χ^2/NDF: 991846110784.8/43

All: 0.189+/-0.000 χ^2/NDF: 2080377671399.

- sign 0.216+/-0.000 χ^2/NDF: 1086700237630.6/47

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

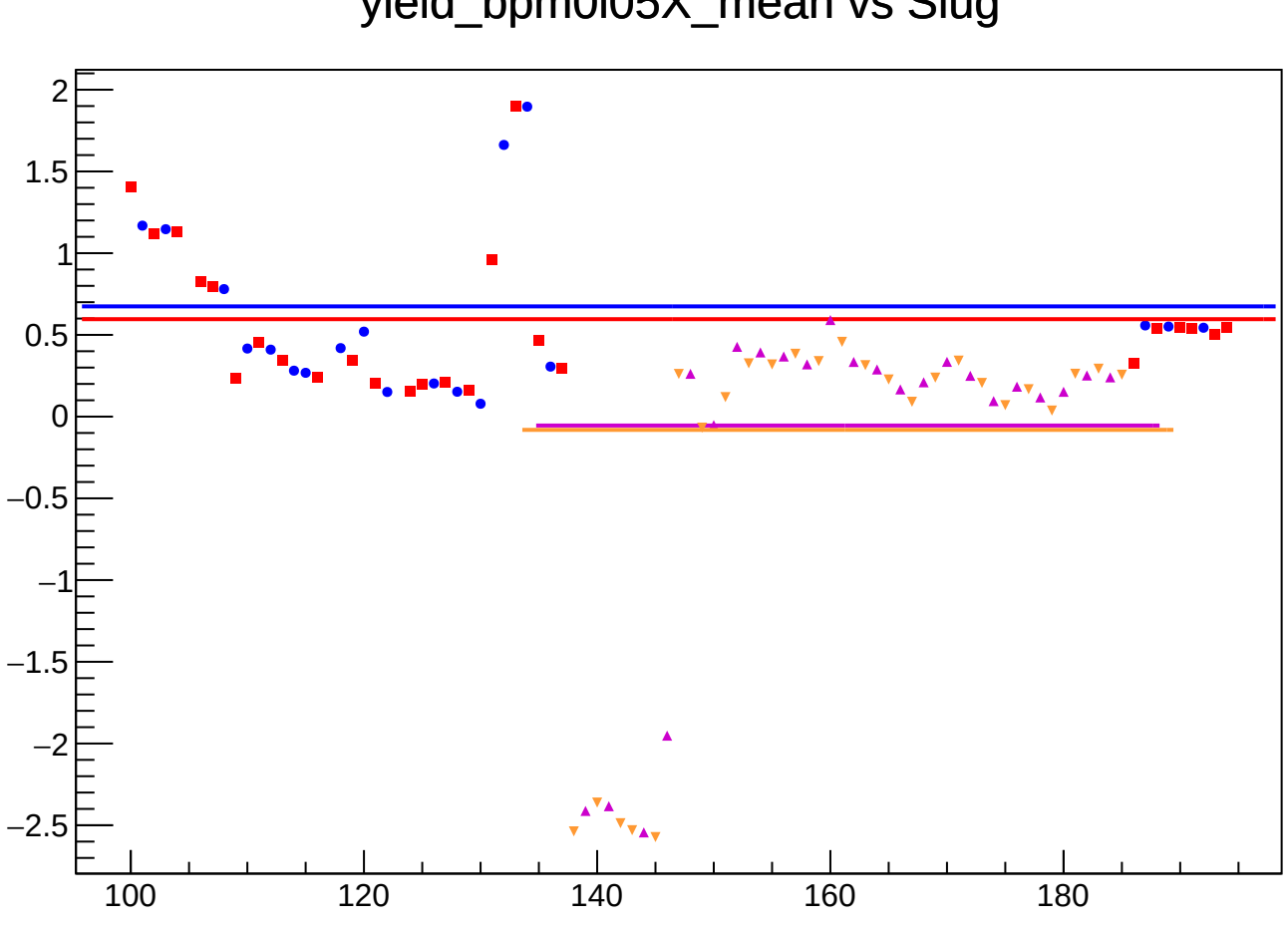
Right Out: 0.004+/-0.000 χ^2/NDF: 593063.2/24

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: 8672950.5/91

- sign 0.005+/-0.000 χ^2/NDF: 4391846.1/47



Right In: 0.674+/-0.000 χ^2/NDF: 40808558538.1/18

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.596+/-0.000 χ^2/NDF: 43262207746.3/24

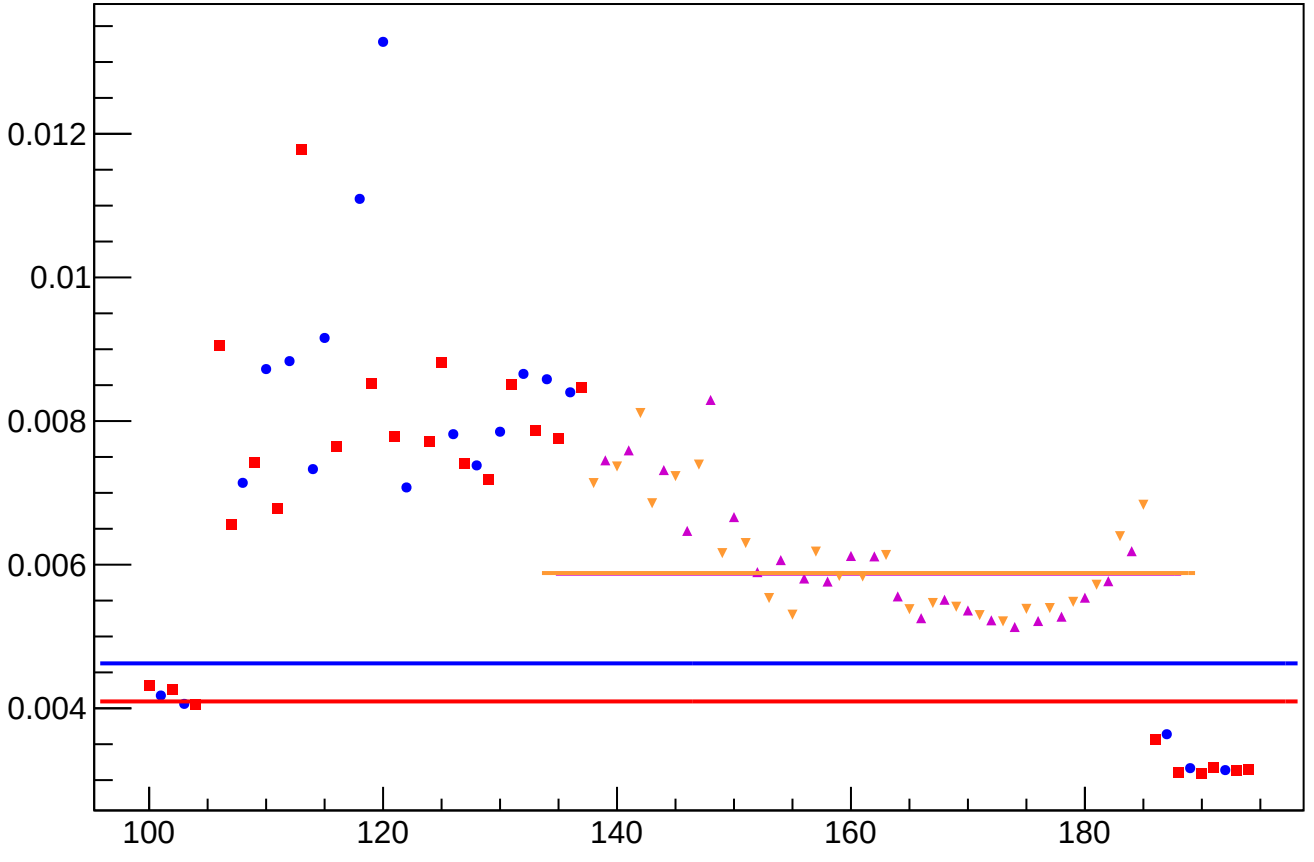
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.202+/-0.000 χ^2/NDF: 537395125885.1/43

All: 0.244+/-0.000 χ^2/NDF: 1035596007425.

- sign 0.279+/-0.000 χ^2/NDF: 495531934091.8/47

yield_bpm0l05X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2805855.4/18

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3183851.0/24

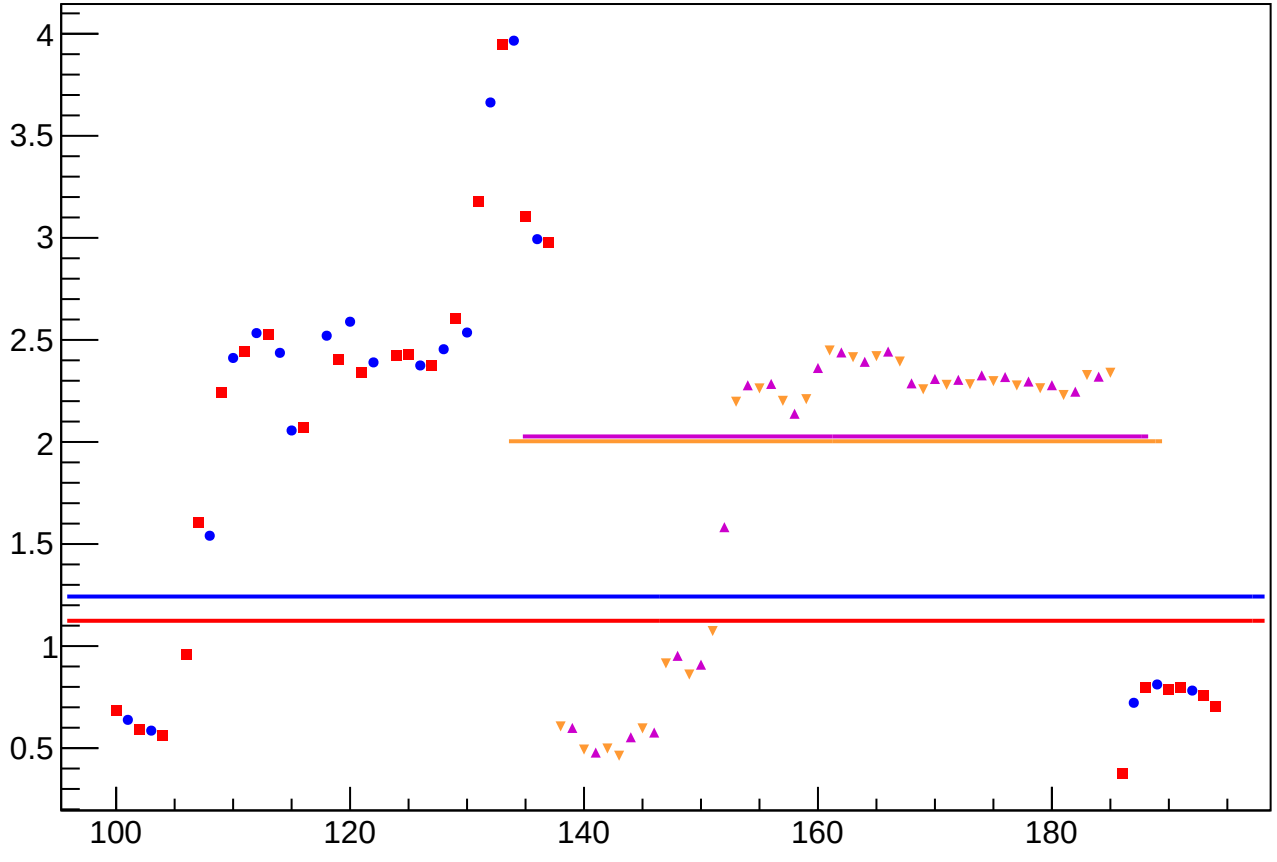
Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 3863768.1/43

All: 0.005+/-0.000 χ^2/NDF: 9323099.7/91

- sign 0.005+/-0.000 χ^2/NDF: 5278624.4/47

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: 1.124+/-0.000 χ^2/NDF: 234251085179.9/24

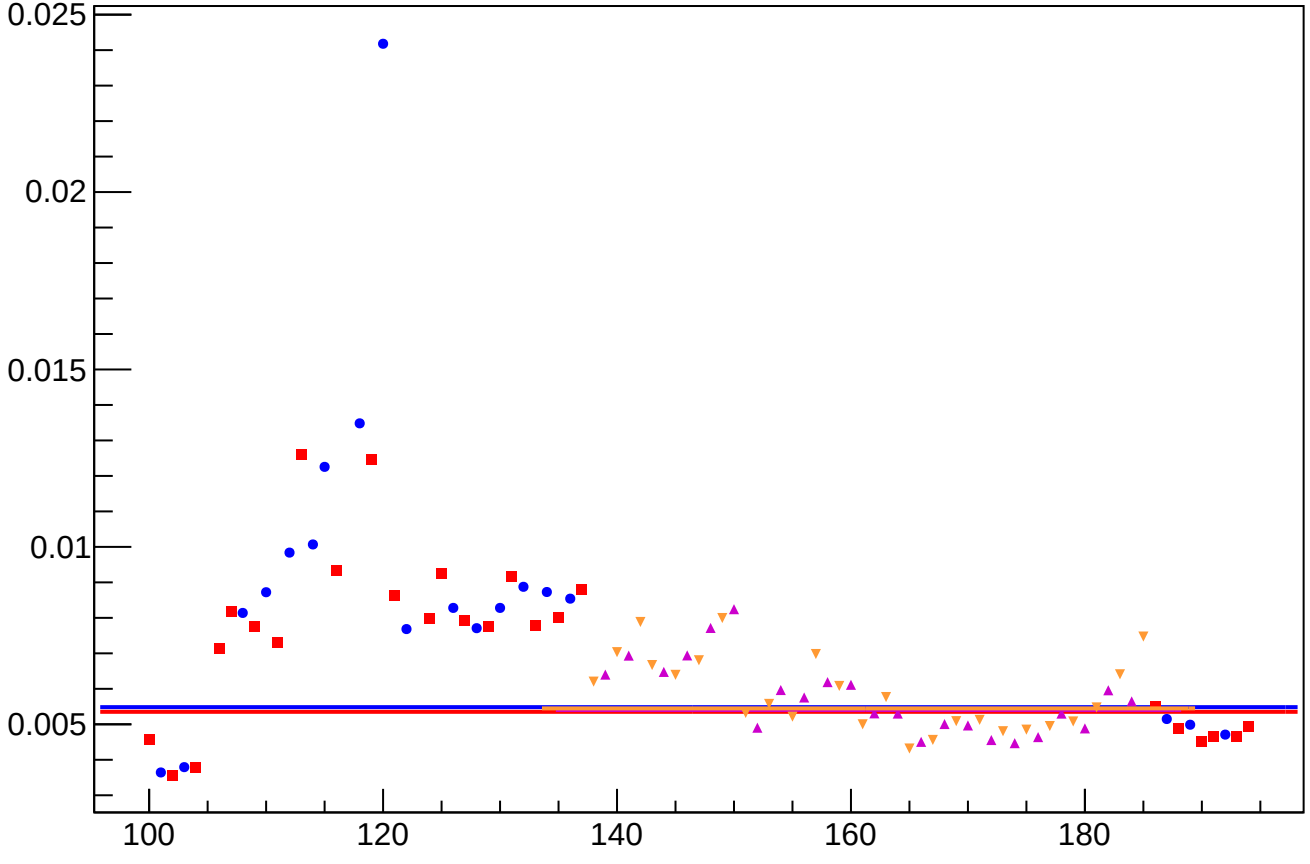
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.788+/-0.000 χ^2/NDF: 500027239347.6/43

All: 1.739+/-0.000 χ^2/NDF: 1092078779931.

- sign 1.694+/-0.000 χ^2/NDF: 588515395588.0/47

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: 2124004.6/24

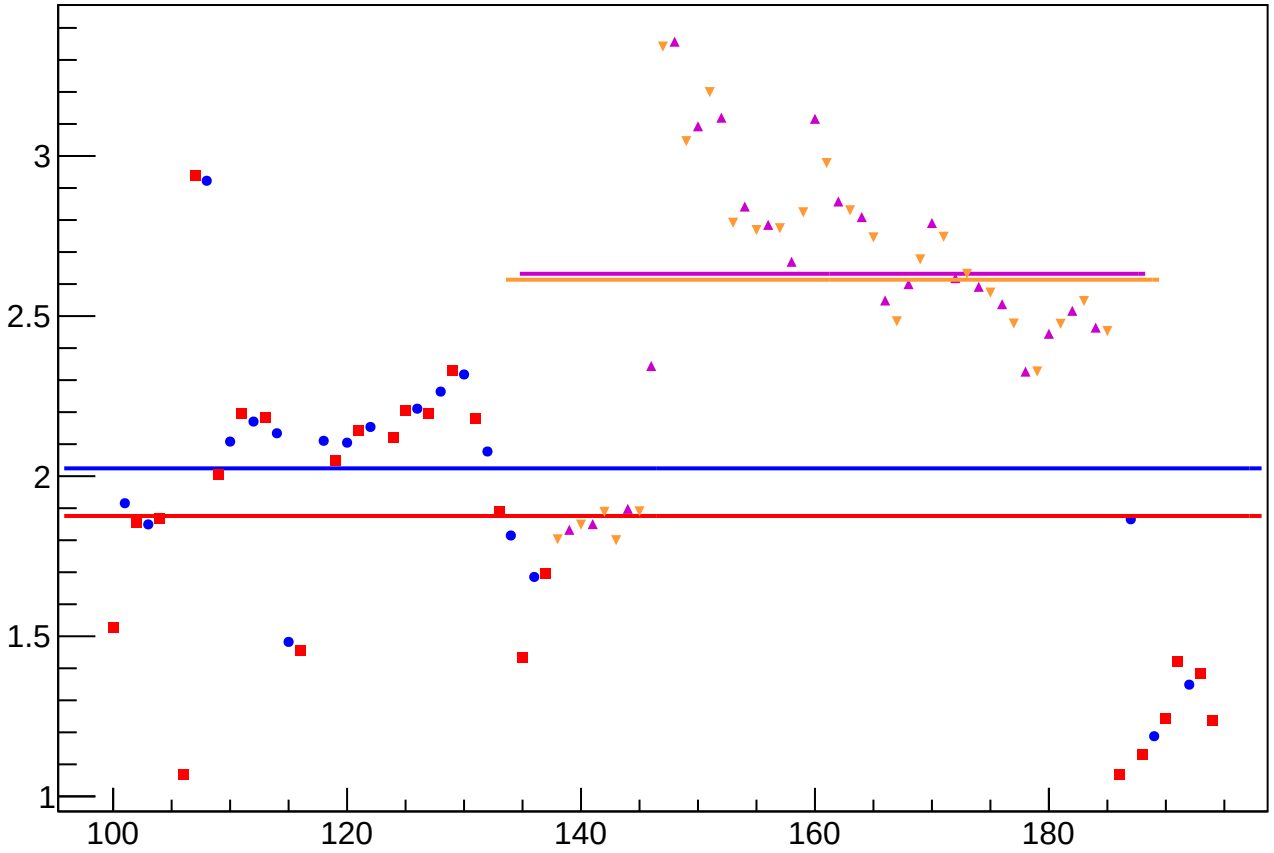
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3073472.4/43

All: 0.005+/-0.000 χ^2/NDF: 6018036.5/91

- sign 0.005+/-0.000 χ^2/NDF: 2940235.8/47

yield_bpm0l06X_mean vs Slug



Right In: 2.024+/-0.000 χ^2/NDF: 22700246218.4/18

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.876+/-0.000 χ^2/NDF: 37129599451.0/24

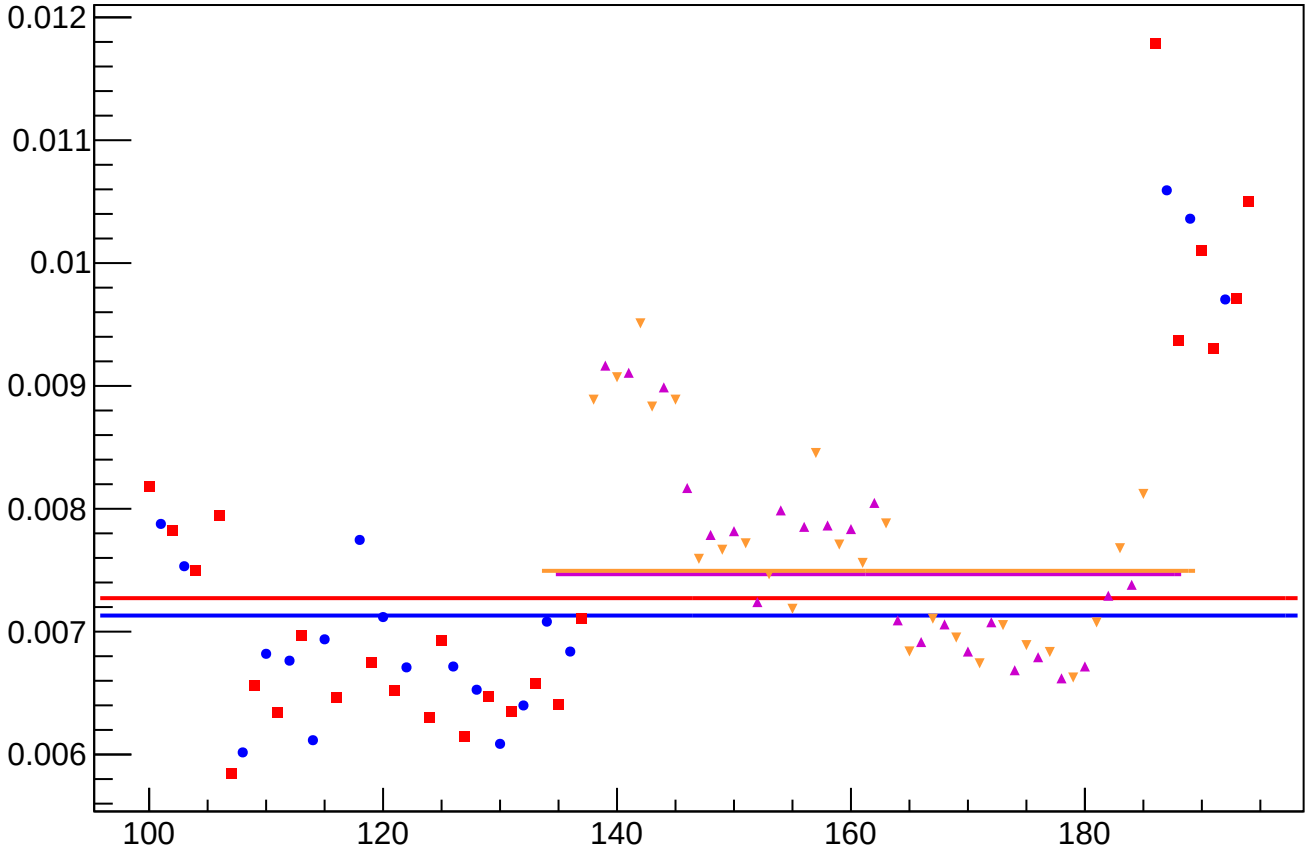
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.416+/-0.000 χ^2/NDF: 106741676059.2/43

All: 2.378+/-0.000 χ^2/NDF: 254157604524.1

- sign 2.341+/-0.000 χ^2/NDF: 146034528992.5/47

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

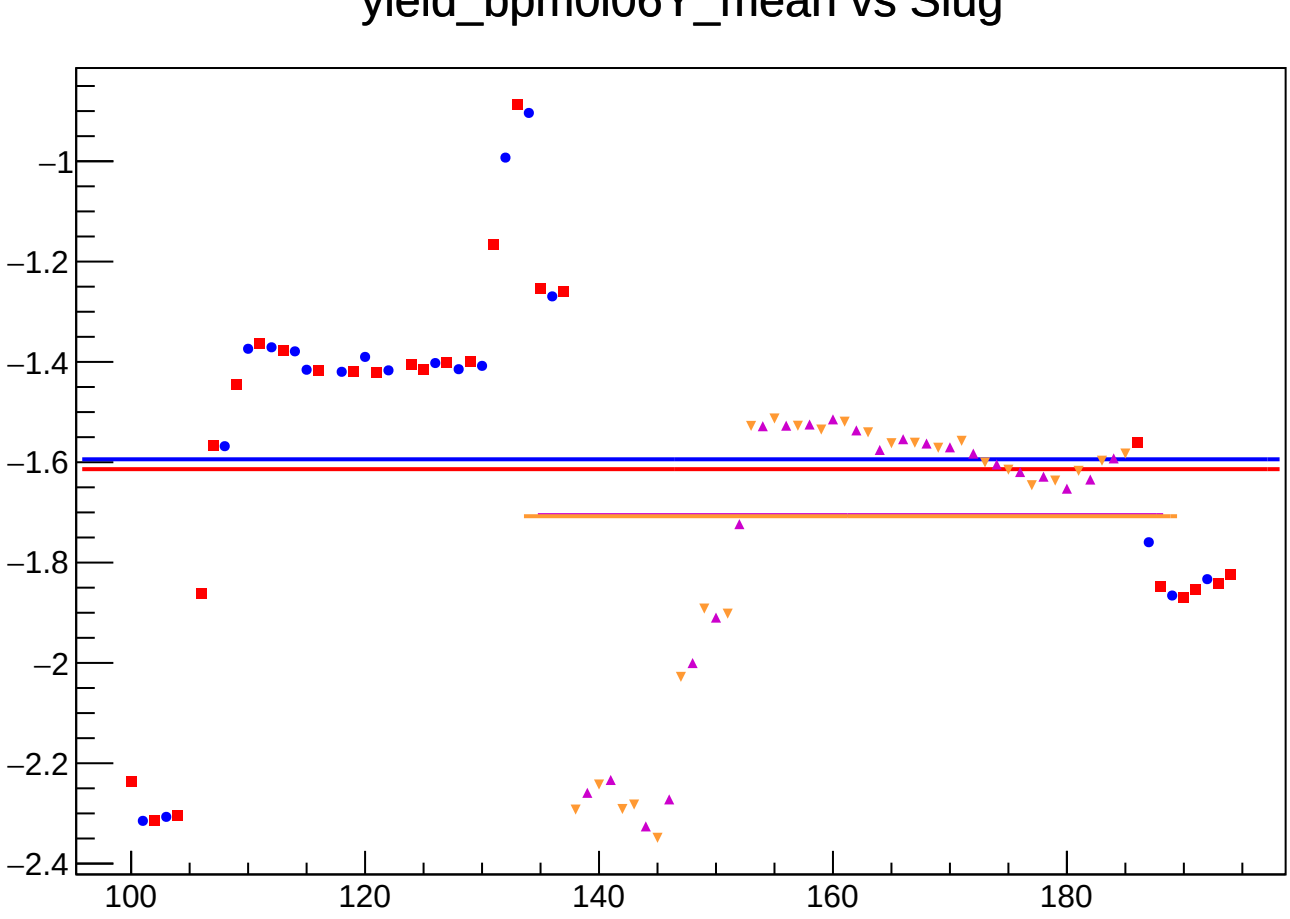
Right Out: 0.007+/-0.000 χ^2/NDF: 719036.9/24

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: 1795330.5/91

- sign 0.007+/-0.000 χ^2/NDF: 1050030.8/47



Right In: -1.594+/-0.000 χ^2/NDF: 185989173069.1/18

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.614+/-0.000 χ^2/NDF: 194679373275.0/24

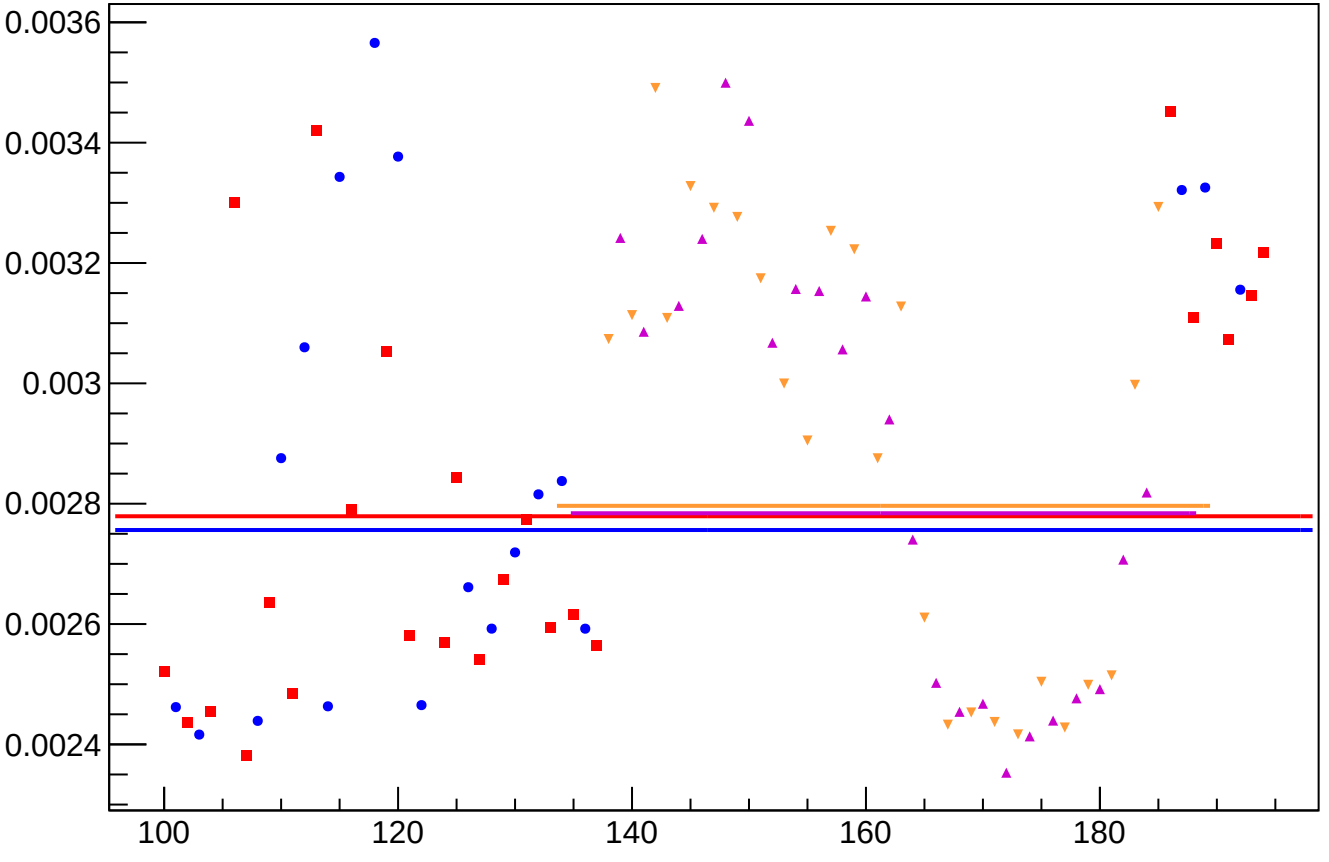
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.671+/-0.000 χ^2/NDF: 347360433882.8/43

All: -1.671+/-0.000 χ^2/NDF: 685526876168.3

- sign -1.671+/-0.000 χ^2/NDF: 338166442154.0/47

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: 263736.3/24

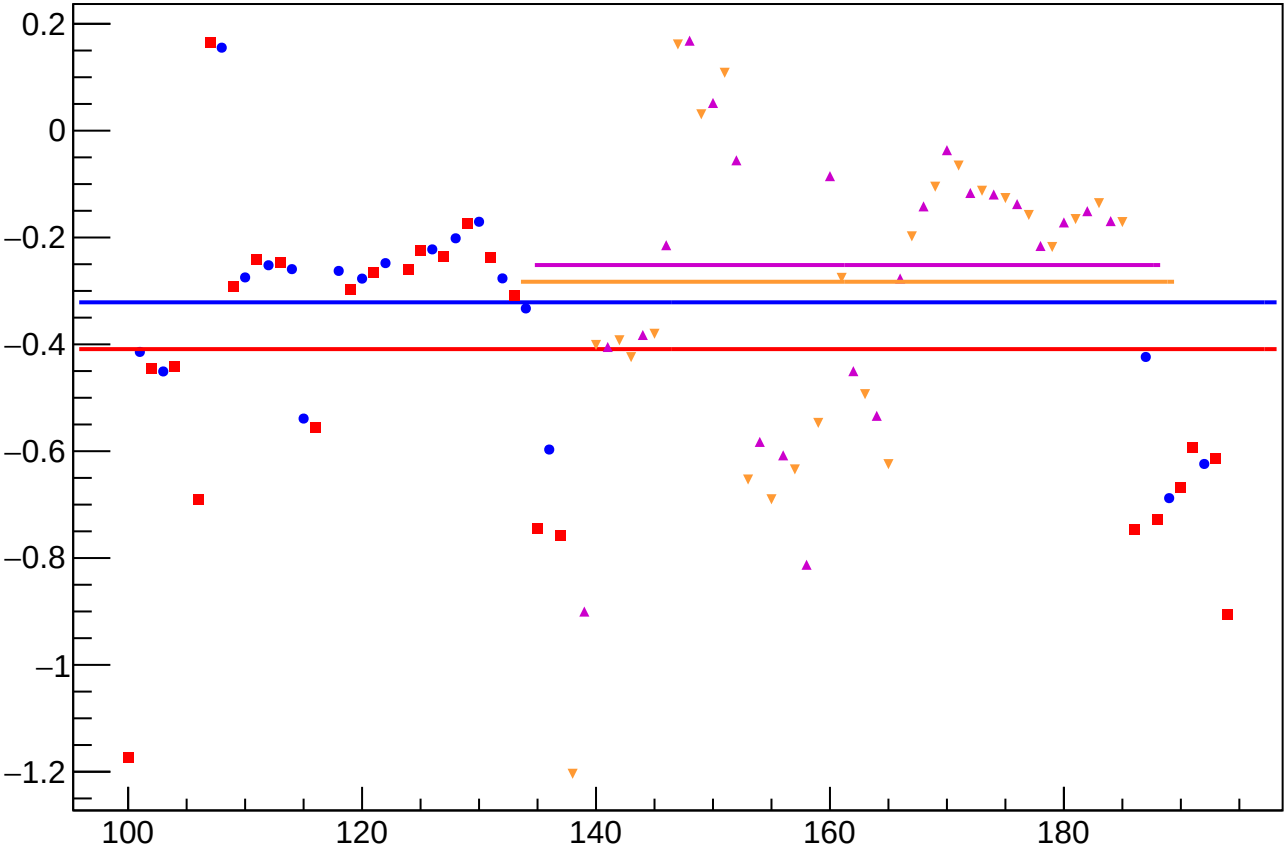
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 789652.4/43

All: 0.003+/-0.000 χ^2/NDF: 1610548.6/91

- sign 0.003+/-0.000 χ^2/NDF: 820891.1/47

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: -0.409+/-0.000 χ^2/NDF: 4313969497.4/24

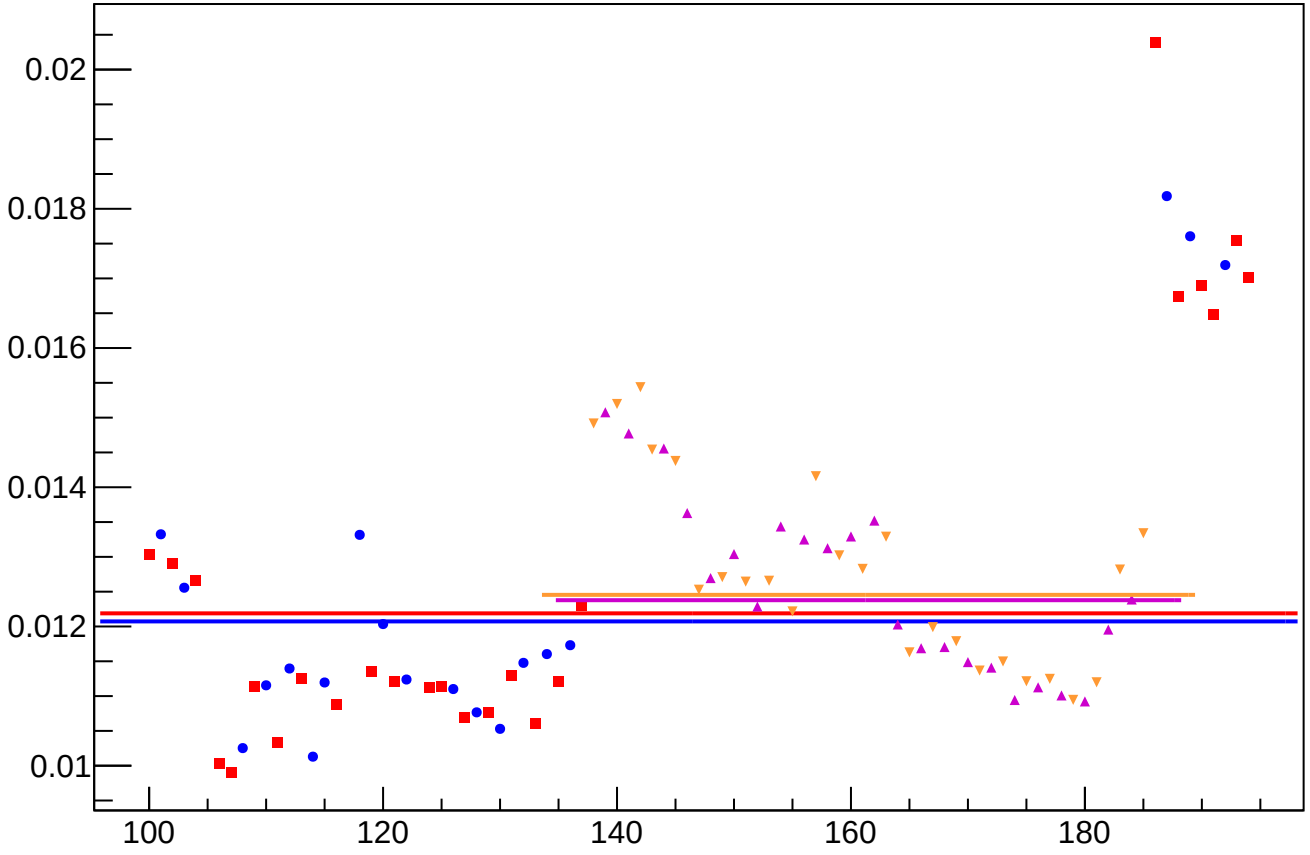
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.295+/-0.000 χ^2/NDF: 11624496125.4/43

All: -0.304+/-0.000 χ^2/NDF: 24203501430.3/

- sign -0.312+/-0.000 χ^2/NDF: 12554692058.2/47

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: 830059.1/24

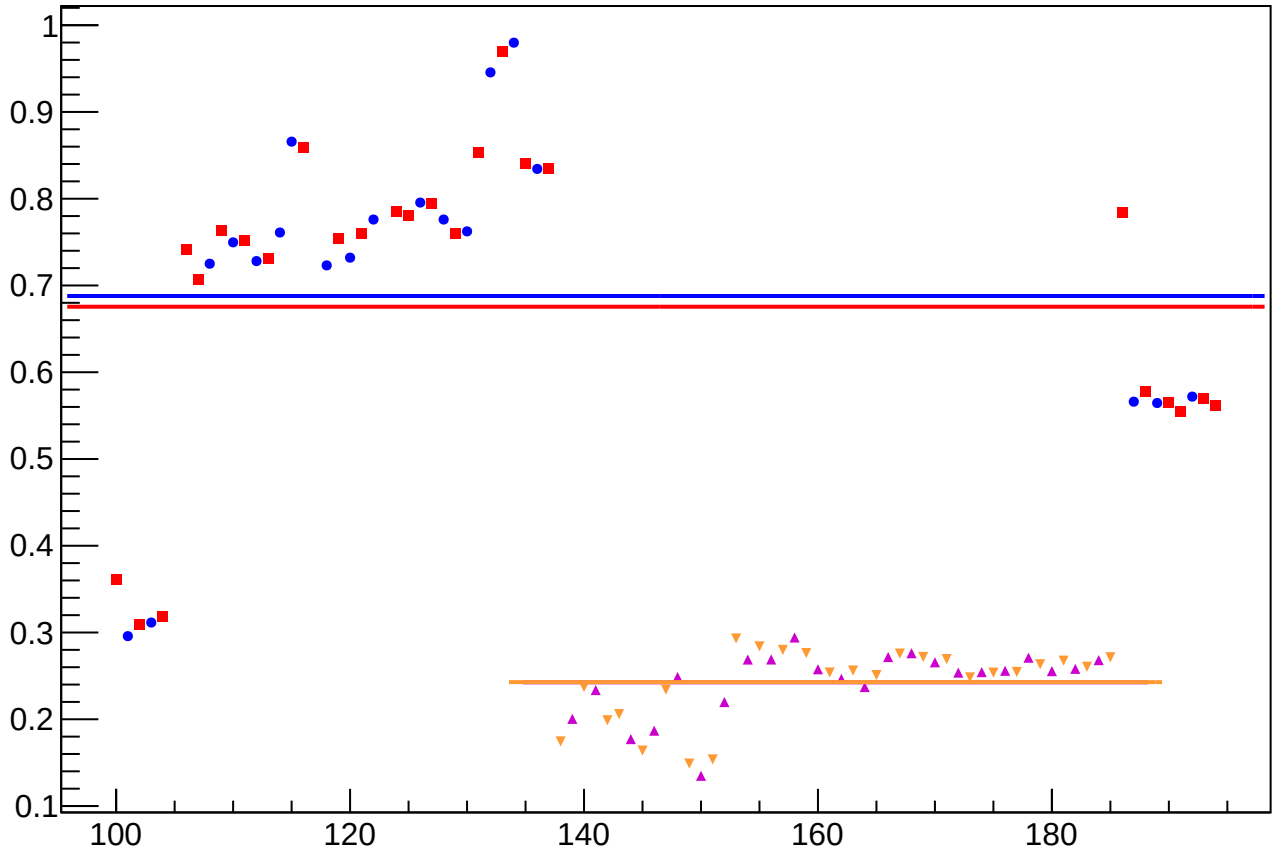
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 780114.4/43

All: 0.012+/-0.000 χ^2/NDF: 1940294.8/91

- sign 0.012+/-0.000 χ^2/NDF: 1160077.6/47

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: 0.676+/-0.000 χ^2/NDF: 51084067879.1/24

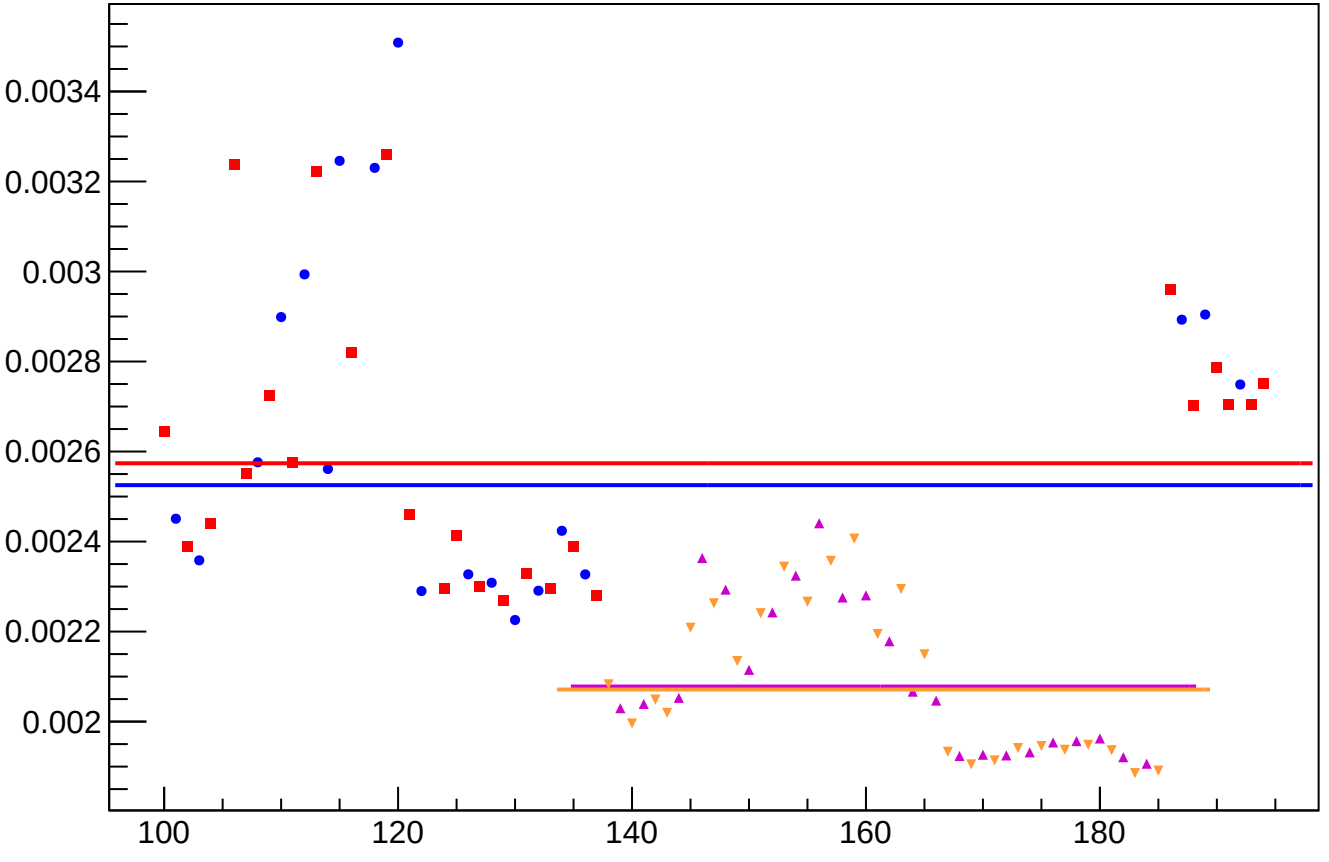
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.345+/-0.000 χ^2/NDF: 261293002524.7/43

All: 0.353+/-0.000 χ^2/NDF: 535499449758.2

- sign 0.362+/-0.000 χ^2/NDF: 273341863302.4/47

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

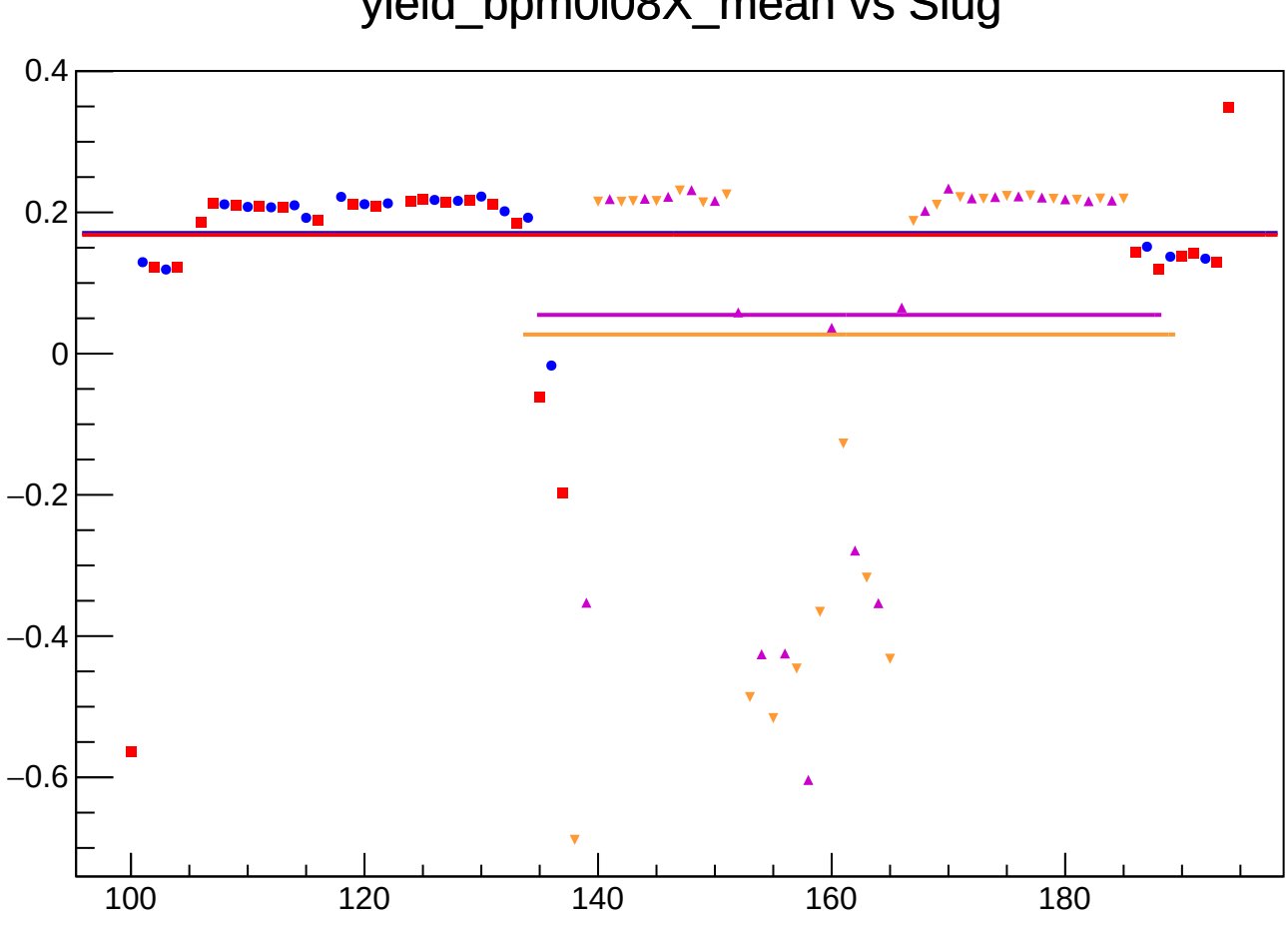
Right Out: 0.003+/-0.000 χ^2/NDF: 222828.4/24

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: 1914777.0/91

- sign 0.002+/-0.000 χ^2/NDF: 1002756.2/47



Right In: 0.171+/-0.000 χ^2/NDF: 410476087.9/18

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.168+/-0.000 χ^2/NDF: 1008667764.1/24

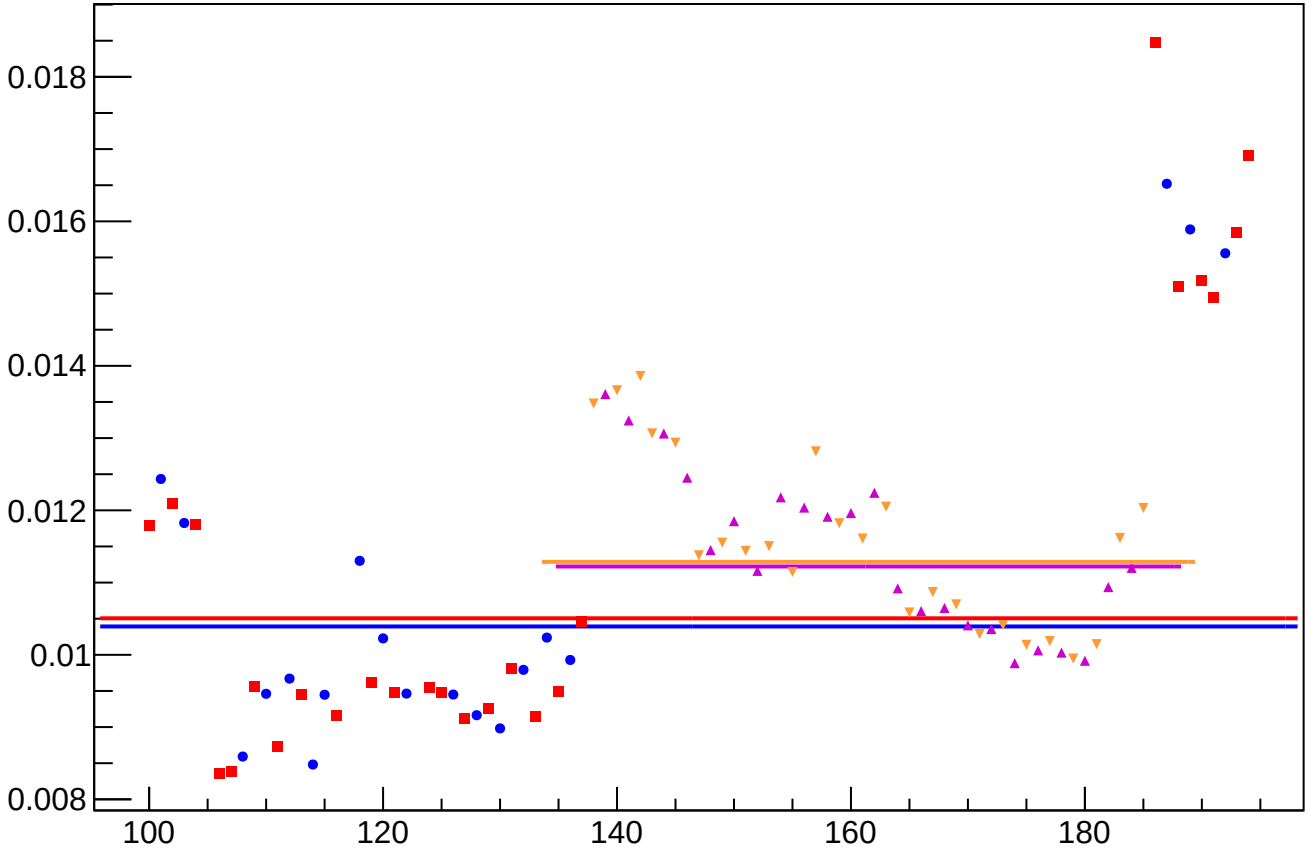
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.077+/-0.000 χ^2/NDF: 14420542935.7/43

All: 0.089+/-0.000 χ^2/NDF: 25906249113.1/9

- sign 0.100+/-0.000 χ^2/NDF: 11424607960.7/47

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

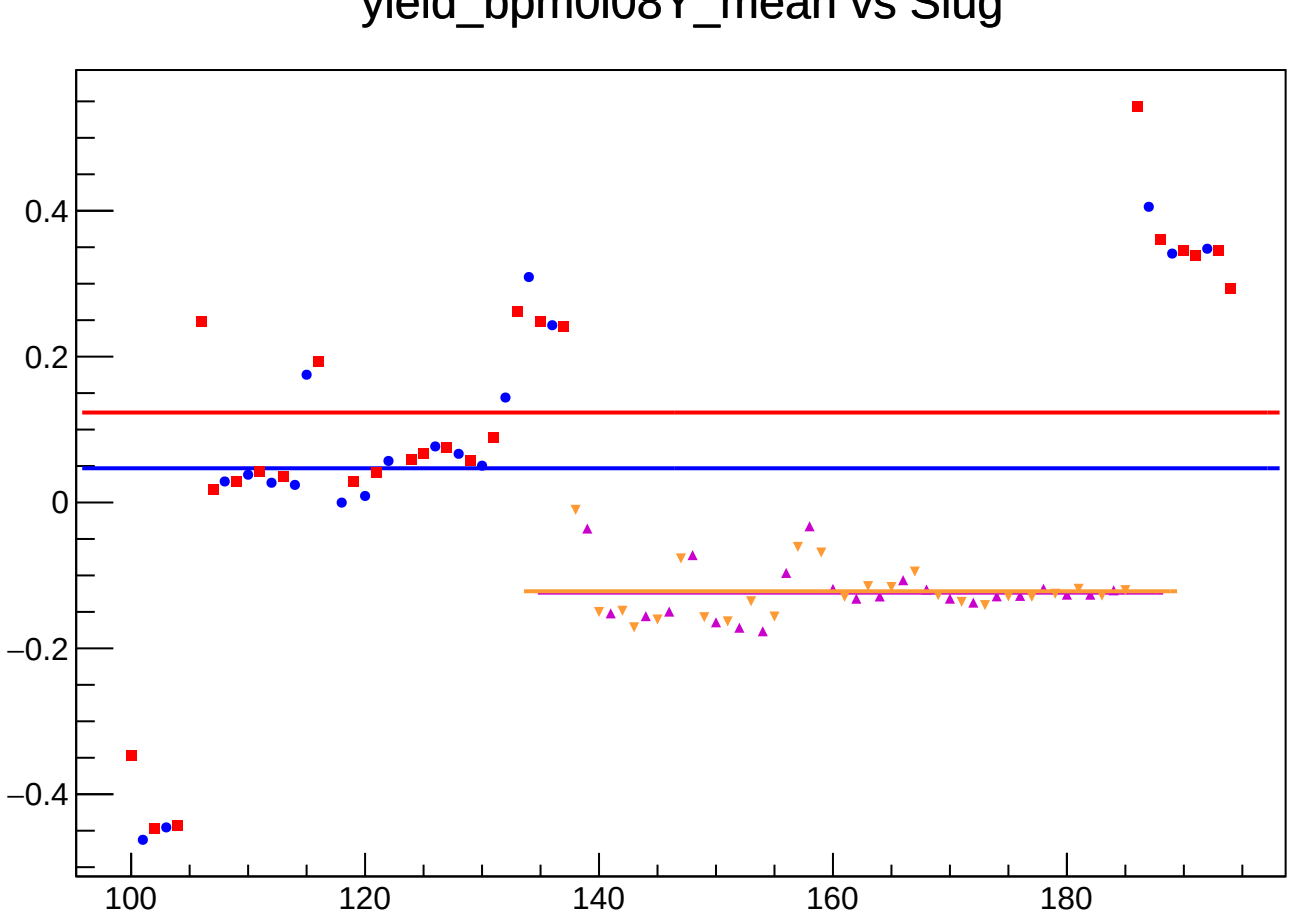
Right Out: 0.011+/-0.000 χ^2/NDF: 1114187.5/24

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: 2461962.8/91

- sign 0.011+/-0.000 χ^2/NDF: 1486383.2/47



Right In: 0.047+/-0.000 χ^2/NDF: 37418119323.6/18

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.123+/-0.000 χ^2/NDF: 44360981988.0/24

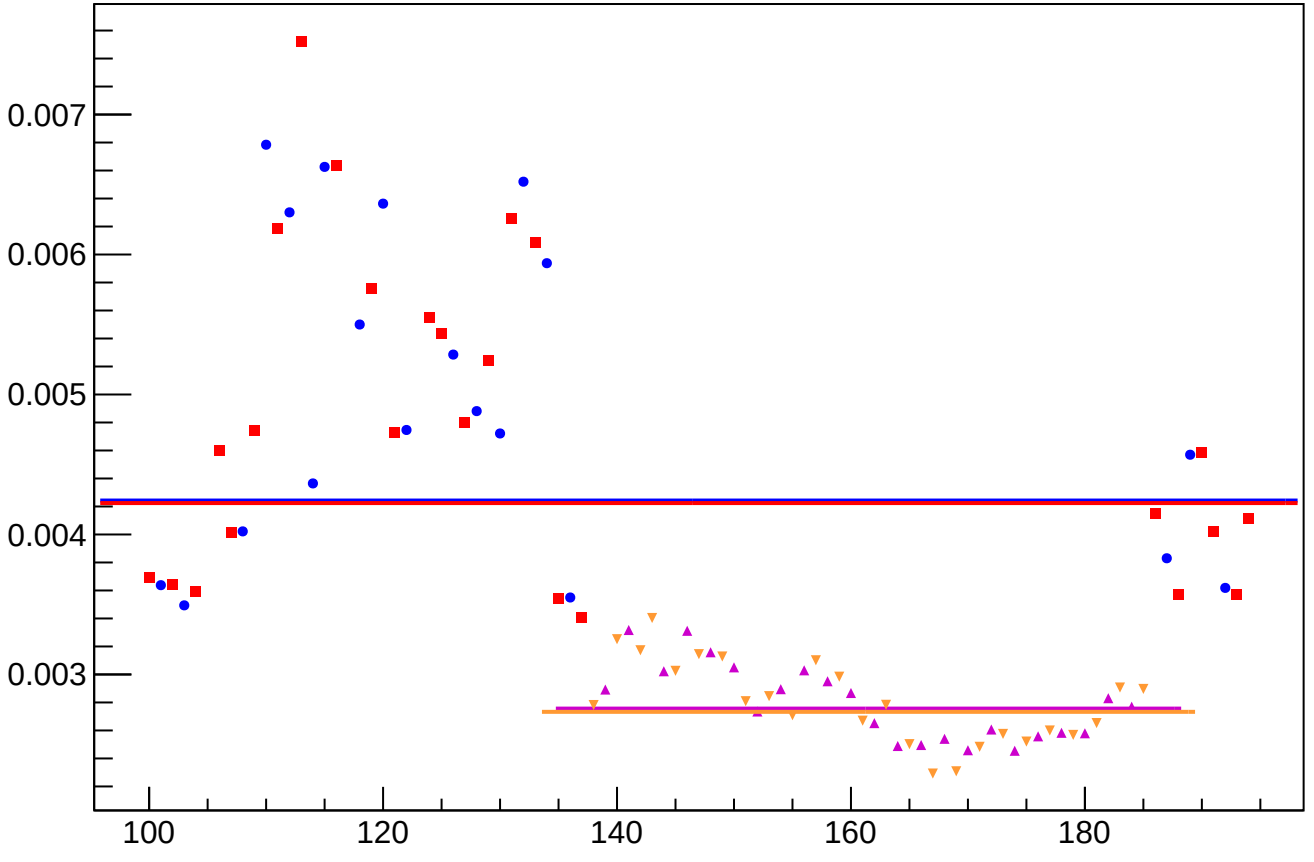
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.097+/-0.000 χ^2/NDF: 50675011408.8/43

All: -0.087+/-0.000 χ^2/NDF: 125012044179.2

- sign -0.077+/-0.000 χ^2/NDF: 73752314485.5/47

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: 872490.9/24

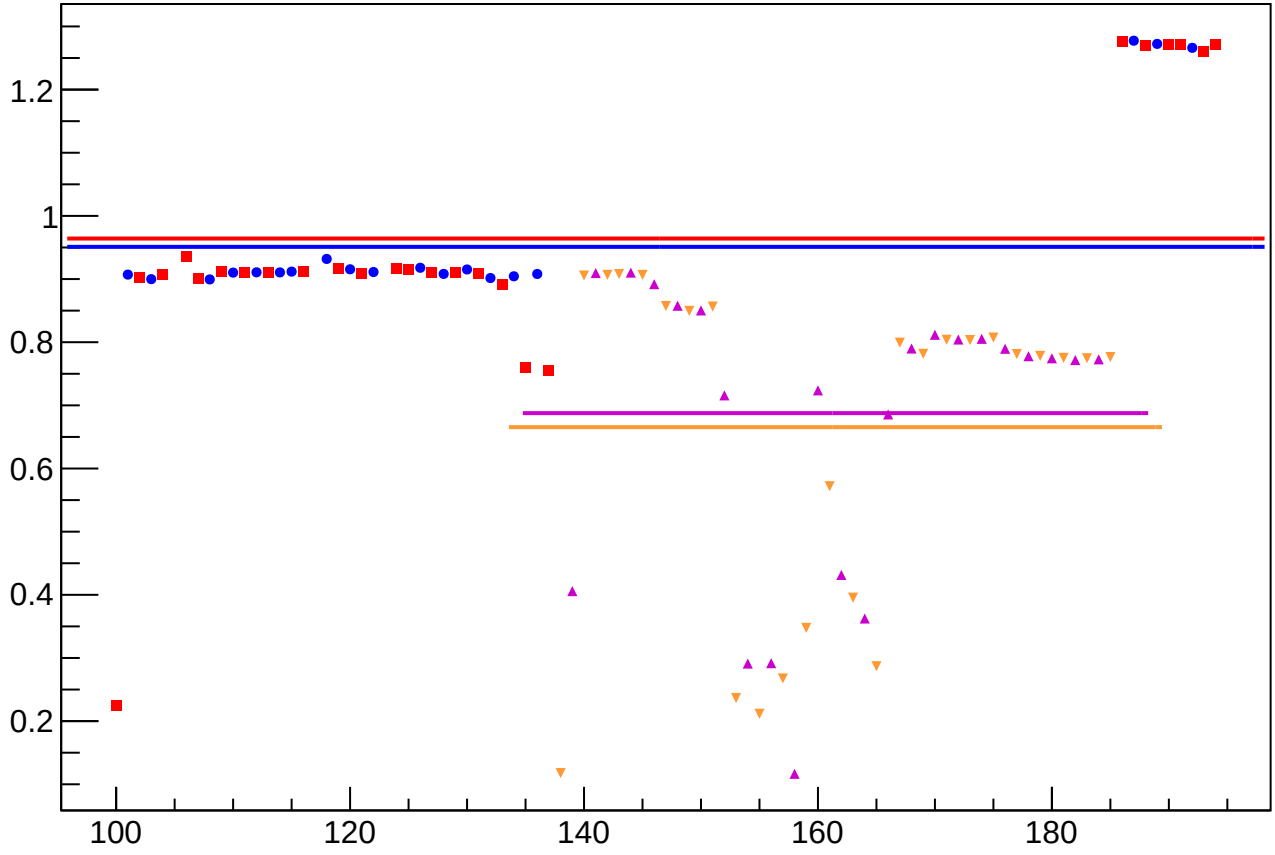
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 2783188.9/43

All: 0.003+/-0.000 χ^2/NDF: 5845523.2/91

- sign 0.003+/-0.000 χ^2/NDF: 3044085.6/47

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: 0.964+/-0.000 χ^2/NDF: 2038090583.5/24

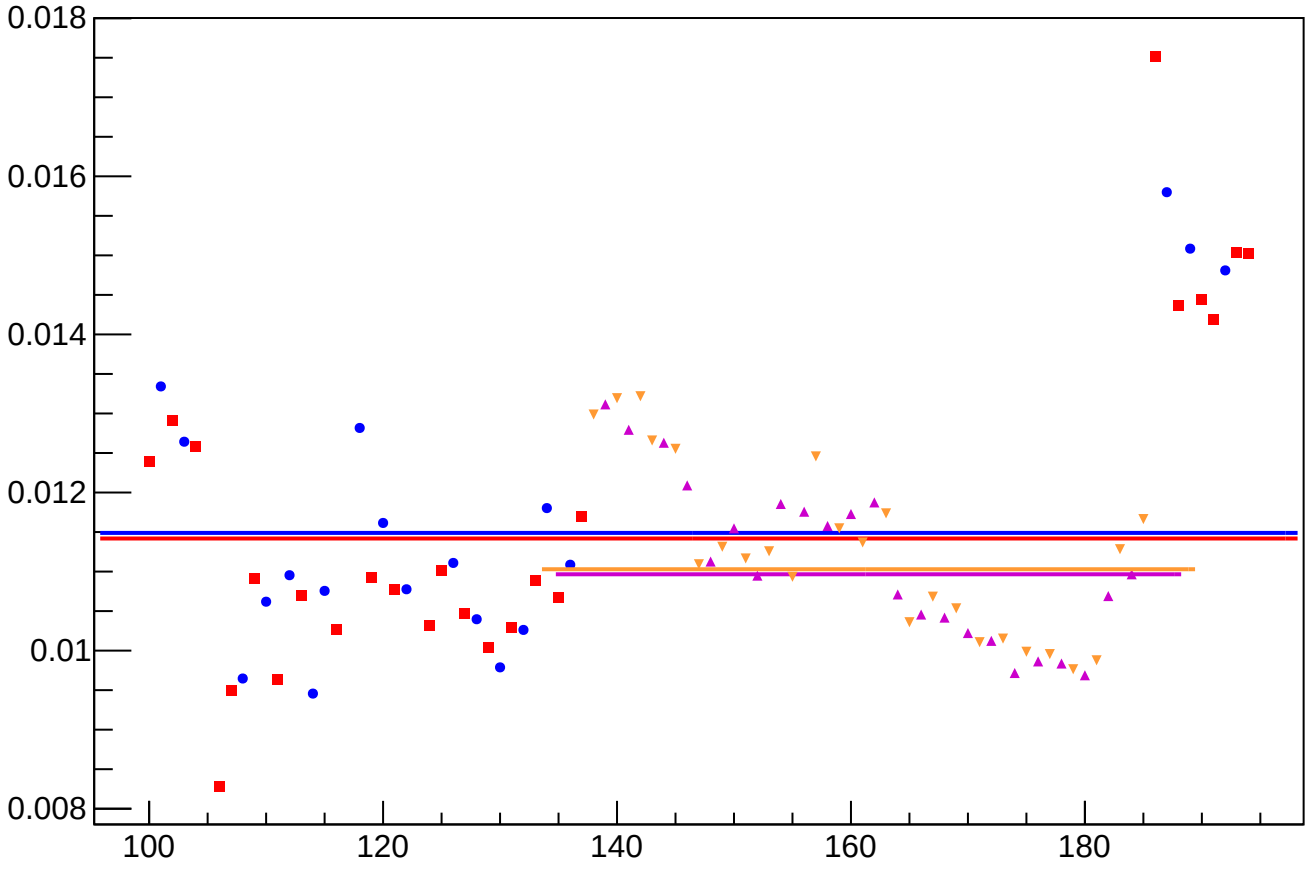
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.750+/-0.000 χ^2/NDF: 13710029437.2/43

All: 0.768+/-0.000 χ^2/NDF: 26790255107.3/9

- sign 0.785+/-0.000 χ^2/NDF: 12945508346.9/47

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: 610656.3/24

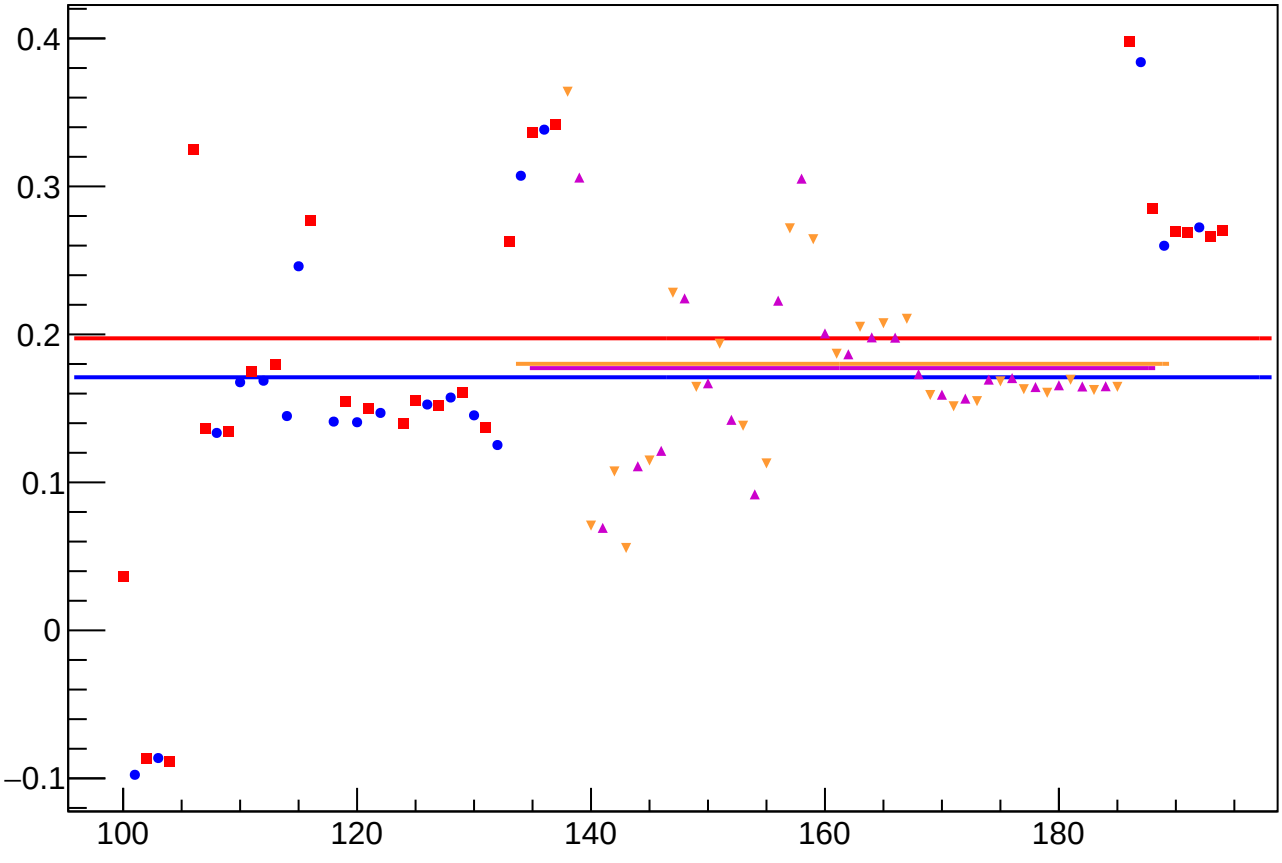
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 652578.1/43

All: 0.011+/-0.000 χ^2/NDF: 1572197.6/91

- sign 0.011+/-0.000 χ^2/NDF: 919260.3/47

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: 0.197+/-0.000 χ^2/NDF: 9398218742.6/24

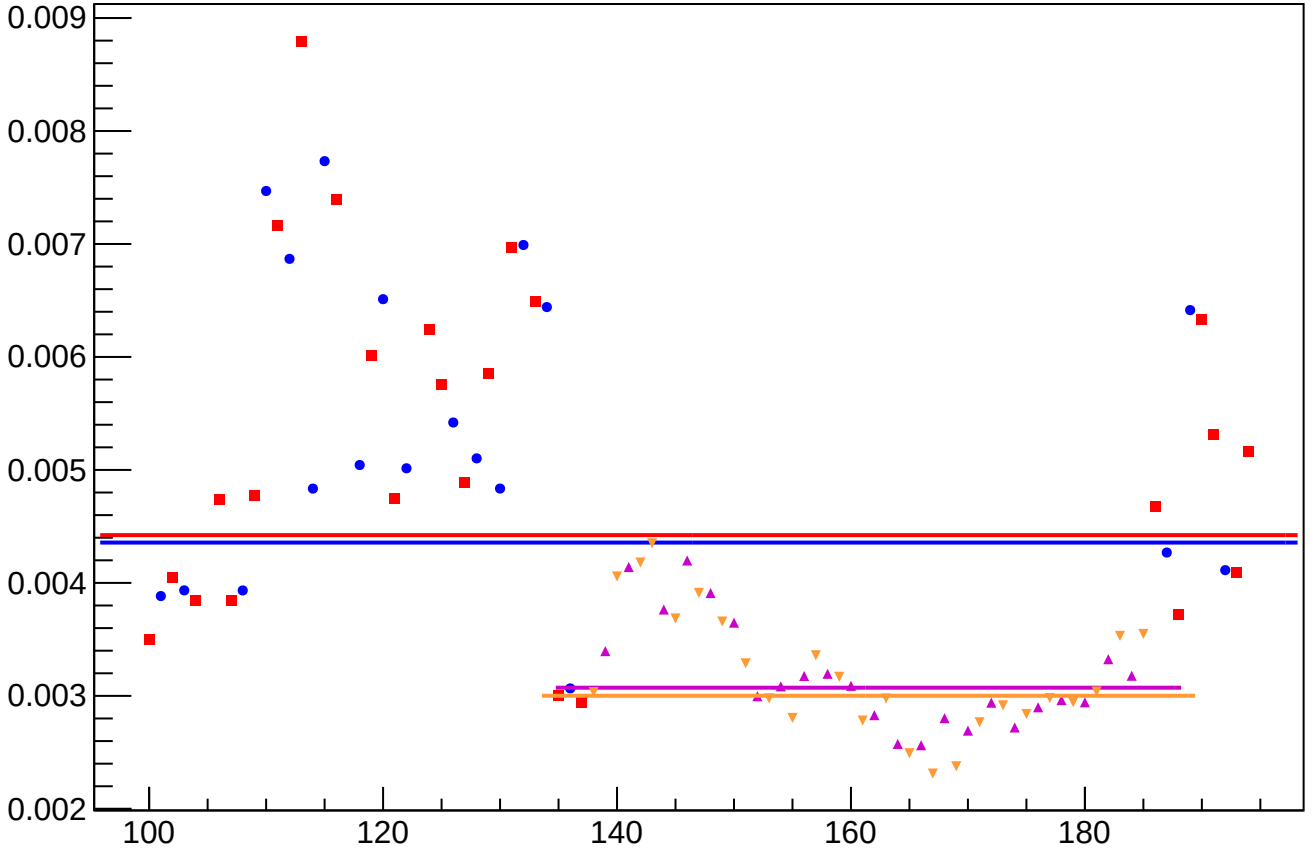
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.179+/-0.000 χ^2/NDF: 15596638746.0/43

All: 0.180+/-0.000 χ^2/NDF: 29771739037.3/9

- sign 0.181+/-0.000 χ^2/NDF: 14166699135.6/47

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

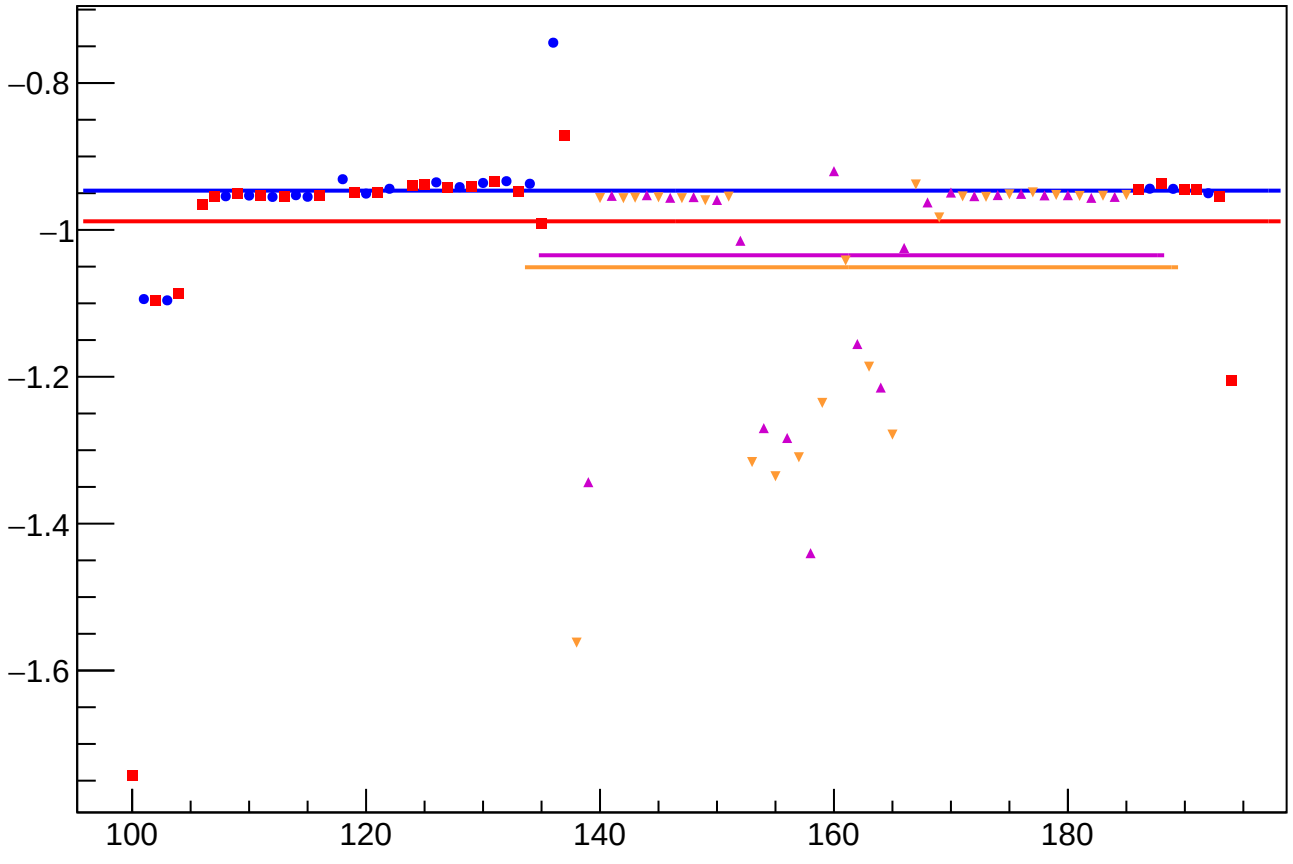
Right Out: 0.004+/-0.000 χ^2/NDF: 1253845.6/24

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: 6259279.3/91

- sign 0.003+/-0.000 χ^2/NDF: 3169564.2/47



Right In: -0.947+/-0.000 χ^2/NDF: 404606864.6/18

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.988+/-0.000 χ^2/NDF: 760459713.9/24

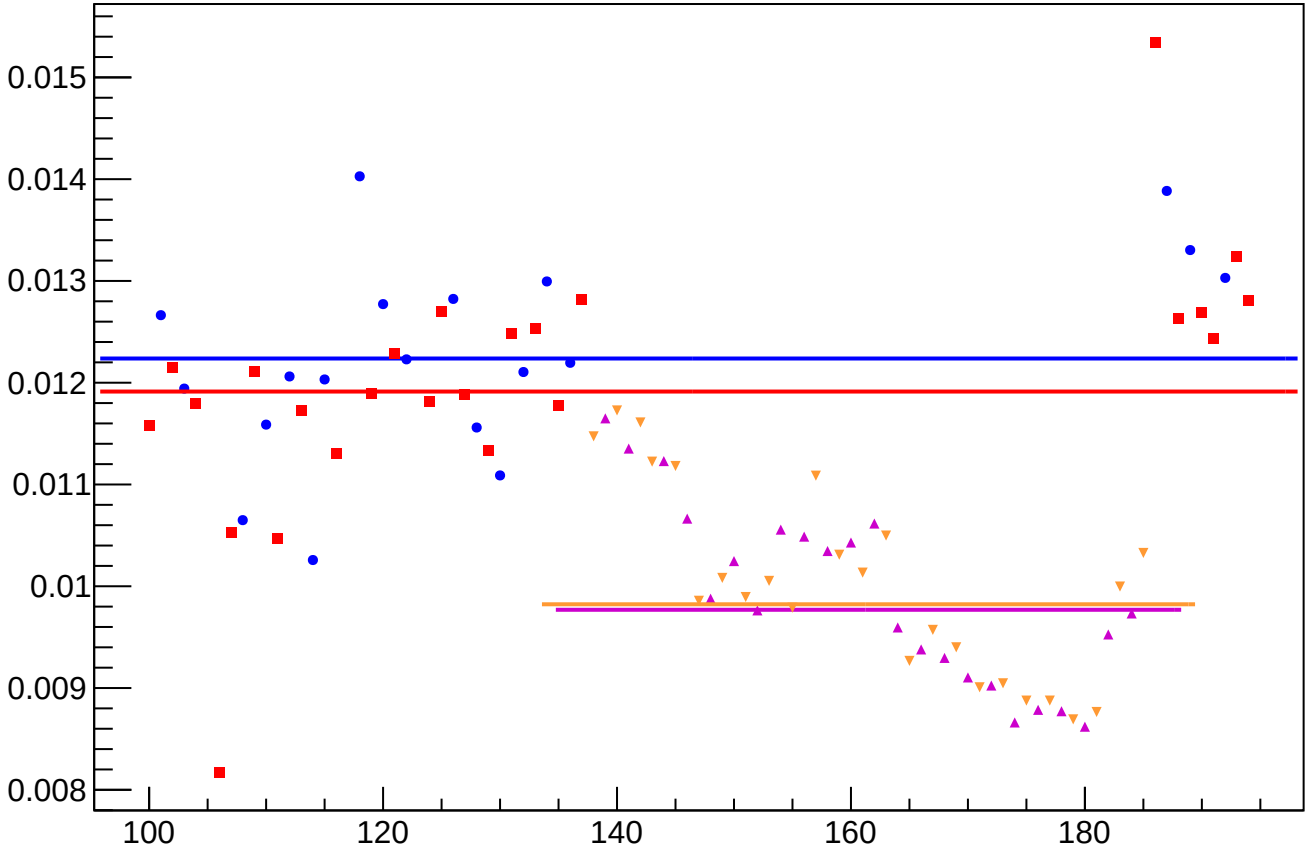
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.027+/-0.000 χ^2/NDF: 5963472190.1/43

All: -1.024+/-0.000 χ^2/NDF: 10768402227.2/

- sign -1.021+/-0.000 χ^2/NDF: 4800476091.5/47

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

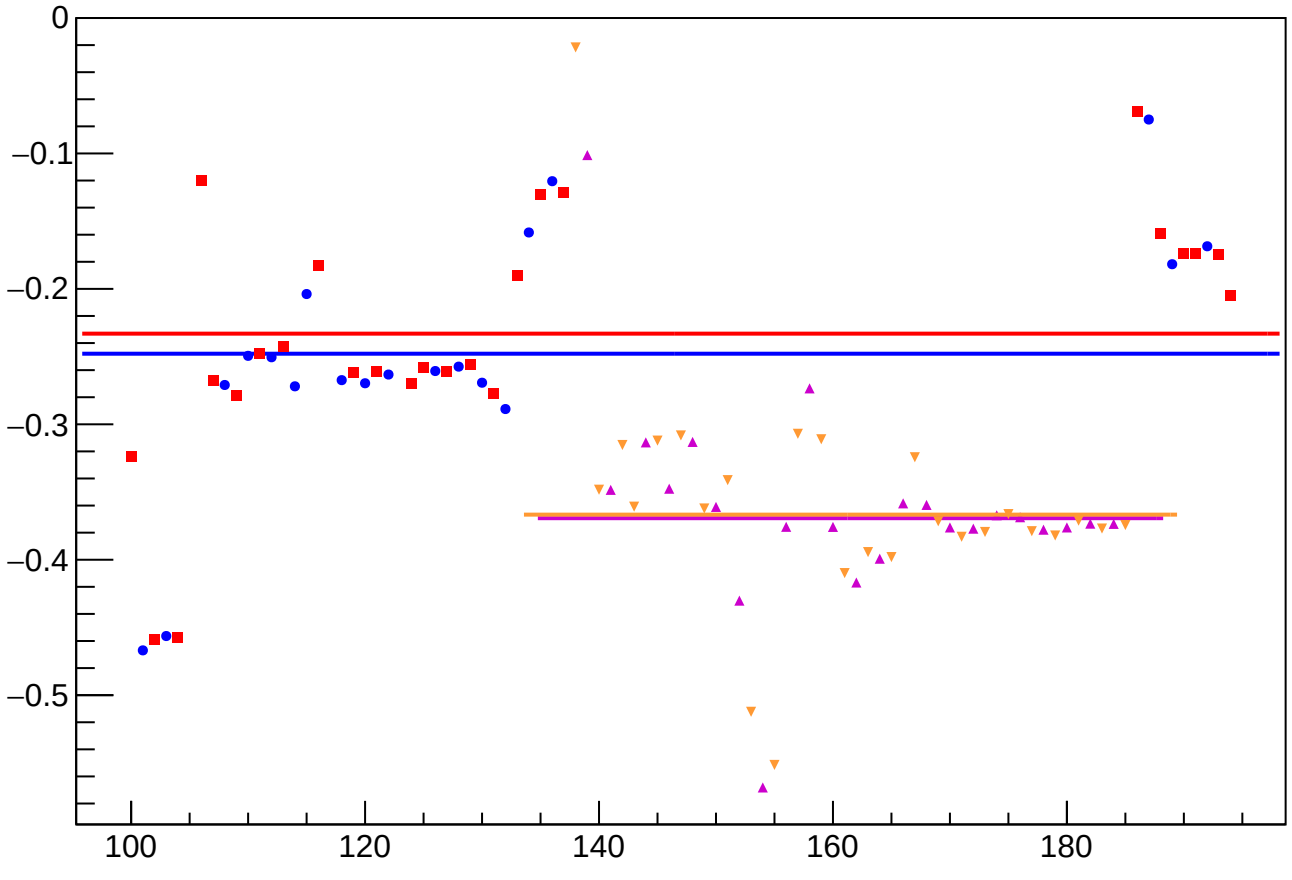
Right Out: 0.012+/-0.000 χ^2/NDF: 241092.2/24

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: 1903466.2/91

- sign 0.010+/-0.000 χ^2/NDF: 1014212.2/47



Right In: -0.248+/-0.000 χ^2/NDF: 6890621172.5/18

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.233+/-0.000 χ^2/NDF: 6659405652.4/24

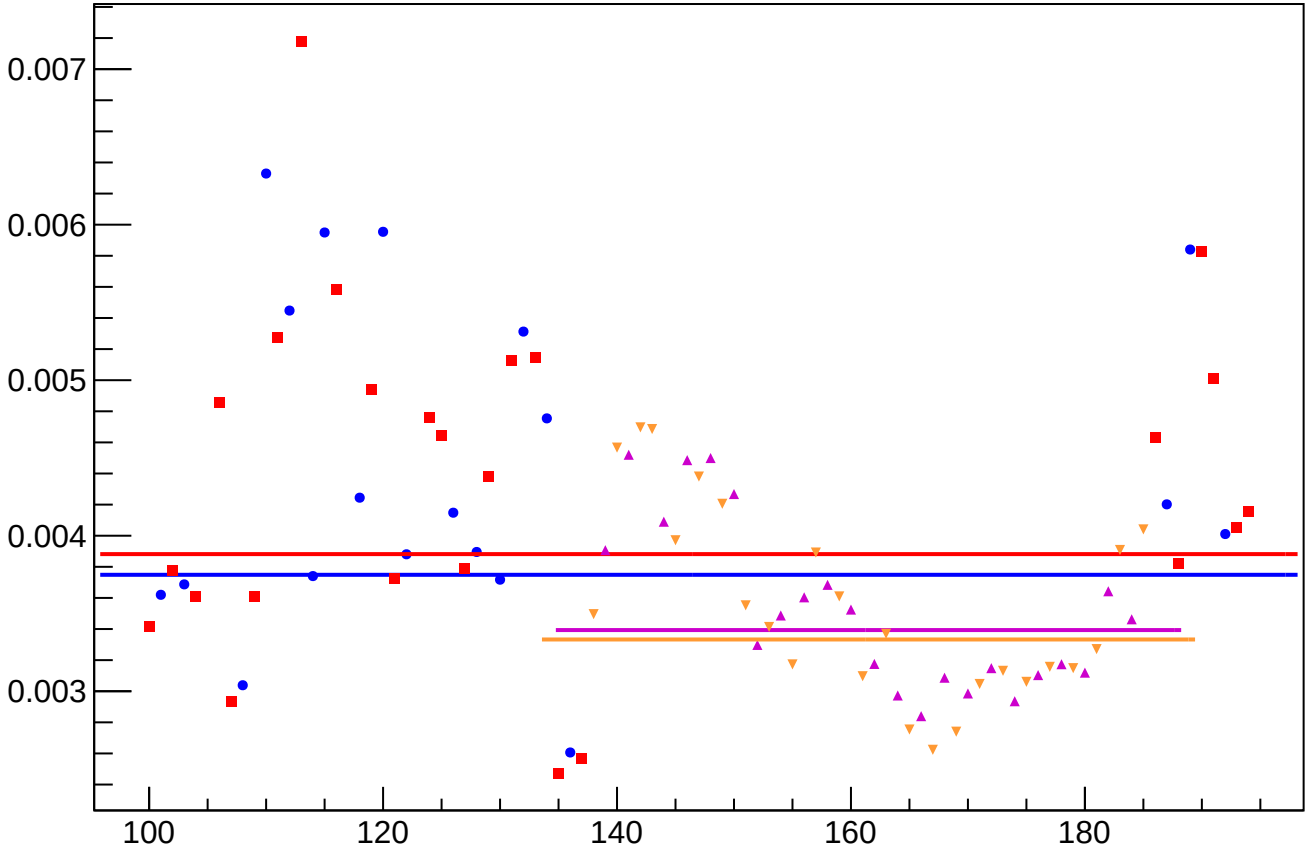
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.337+/-0.000 χ^2/NDF: 24334783160.5/43

All: -0.333+/-0.000 χ^2/NDF: 46714790999.9/

- sign -0.328+/-0.000 χ^2/NDF: 22293988255.1/47

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: 1035651.2/24

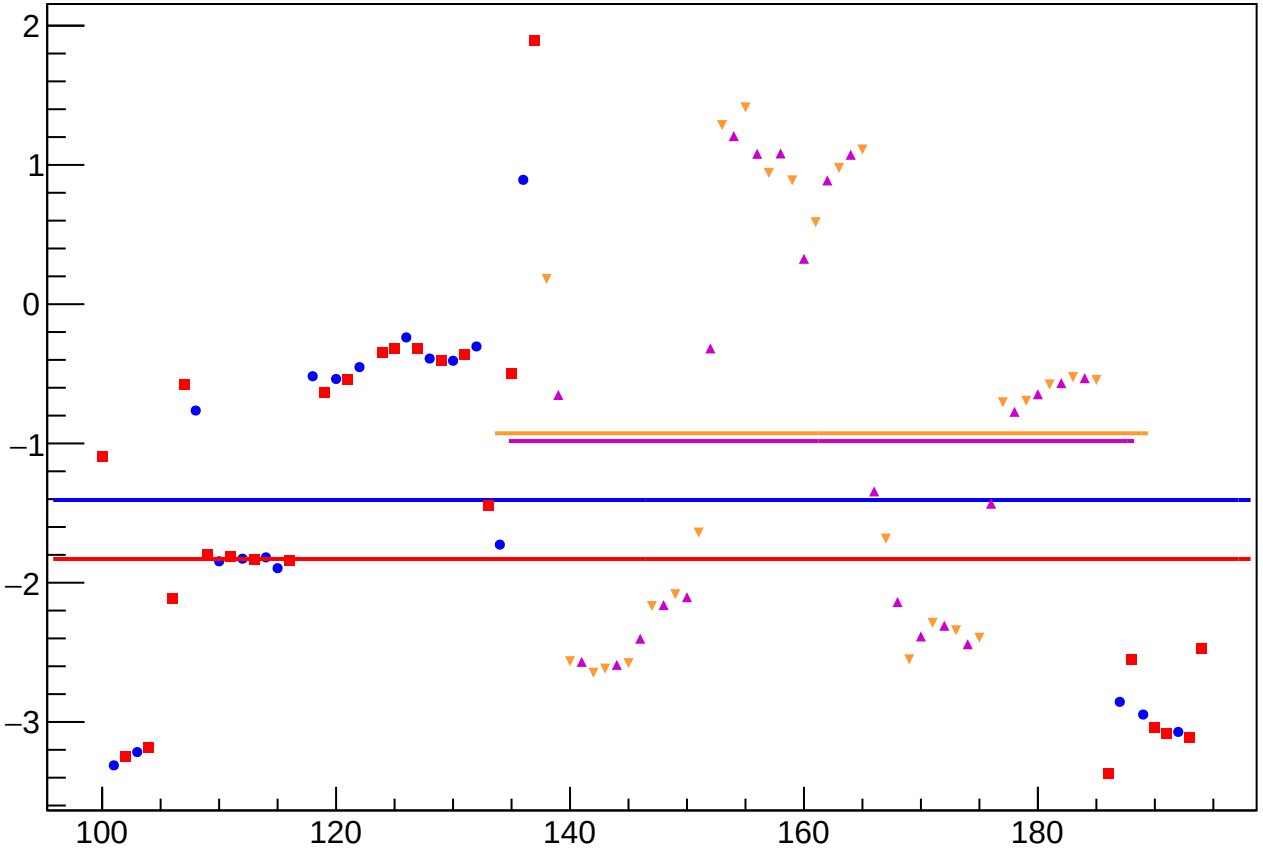
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1872043.2/43

All: 0.003+/-0.000 χ^2/NDF: 3771174.9/91

- sign 0.004+/-0.000 χ^2/NDF: 1876189.3/47

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: -1.830+/-0.000 χ^2/NDF: 3018147609.1/24

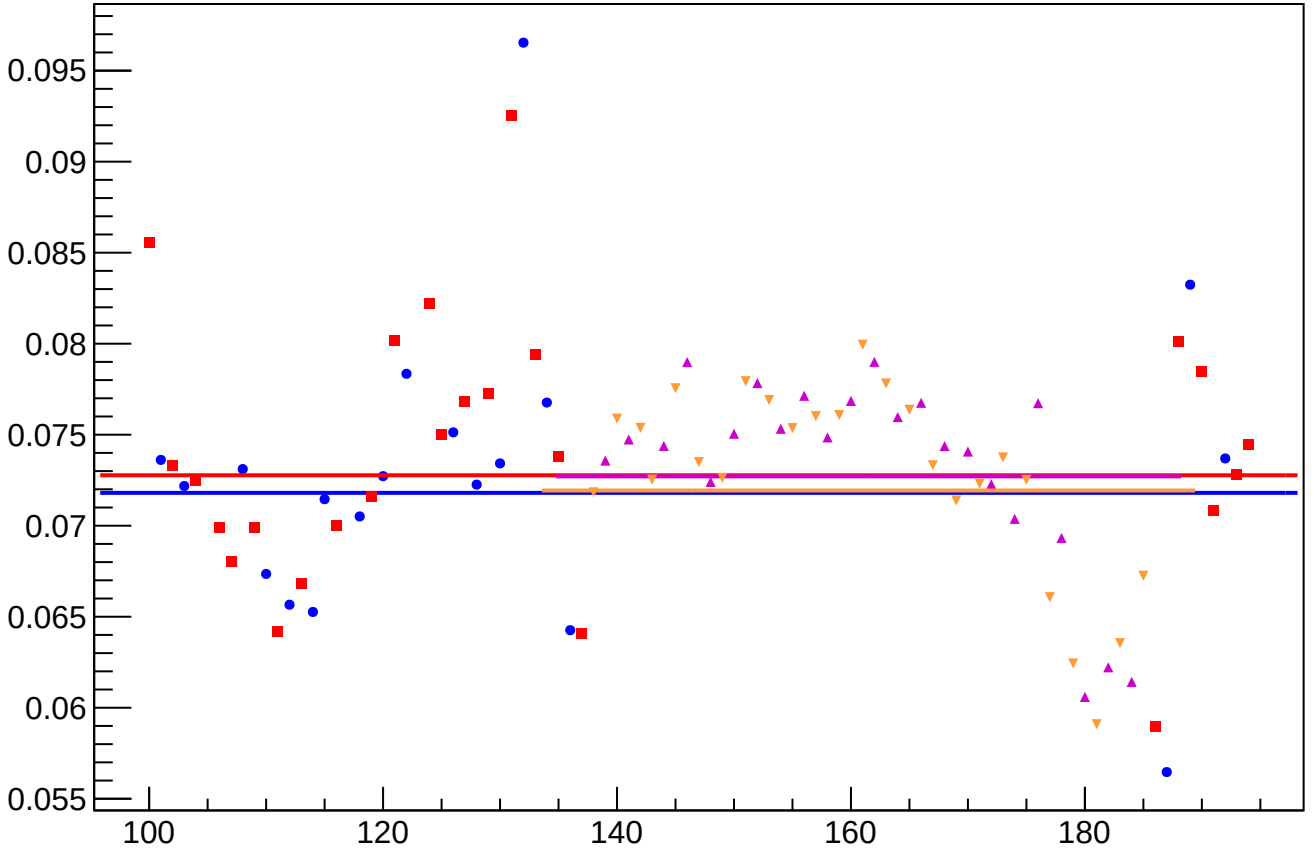
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.077+/-0.000 χ^2/NDF: 10819810631.1/43

All: -1.190+/-0.000 χ^2/NDF: 20807669885.8/

- sign -1.302+/-0.000 χ^2/NDF: 9852191236.6/47

yield_bpm0r03X_rms vs Slug



Right In: 0.072+/-0.000 χ^2/NDF: 148005.5/18

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

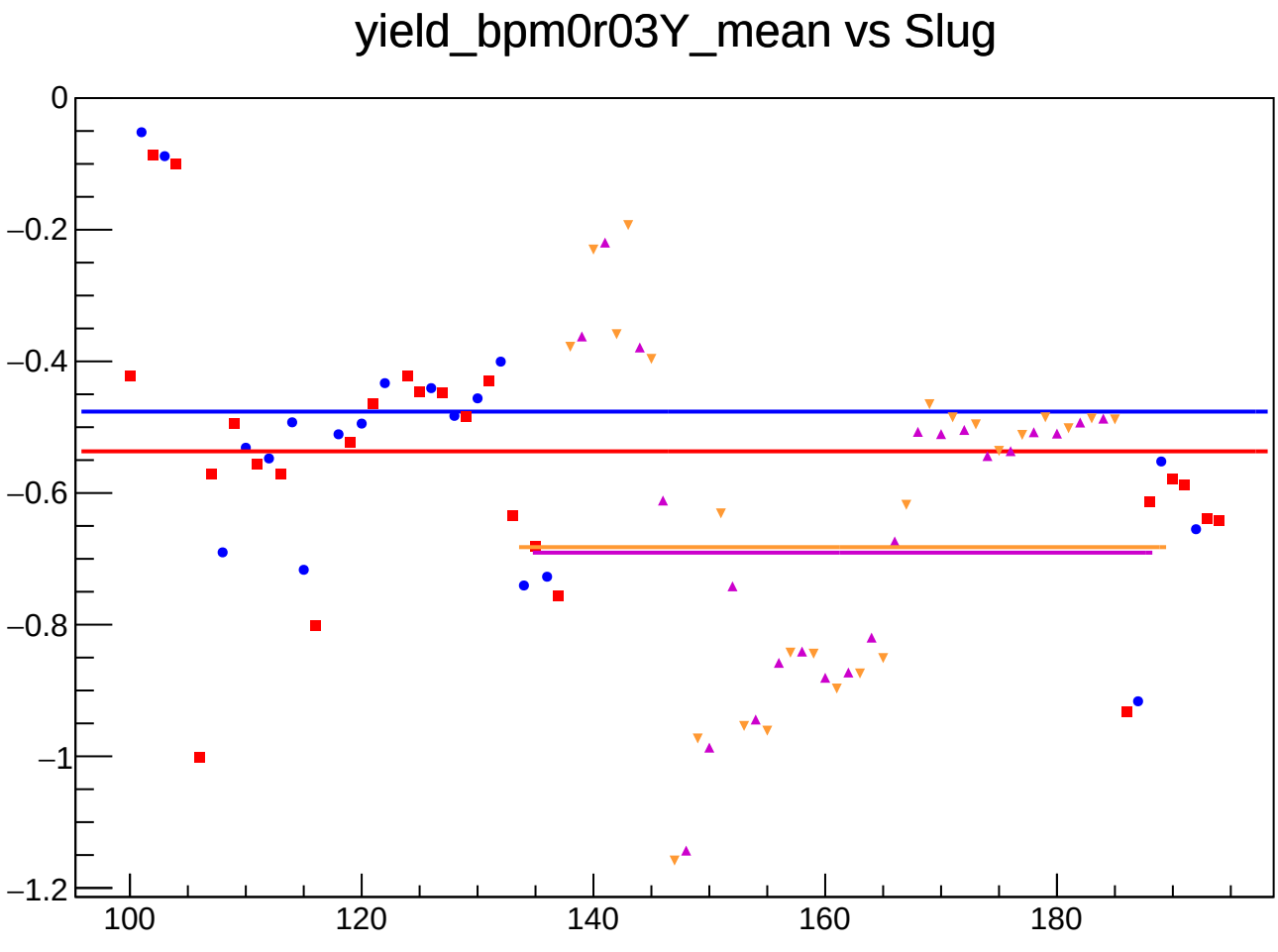
Right Out: 0.073+/-0.000 χ^2/NDF: 161335.9/24

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: 745724.8/91

- sign 0.073+/-0.000 χ^2/NDF: 358355.1/47



Right In: -0.476+/-0.000 χ^2/NDF: 3838570940.5/18

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.537+/-0.000 χ^2/NDF: 4528732796.0/24

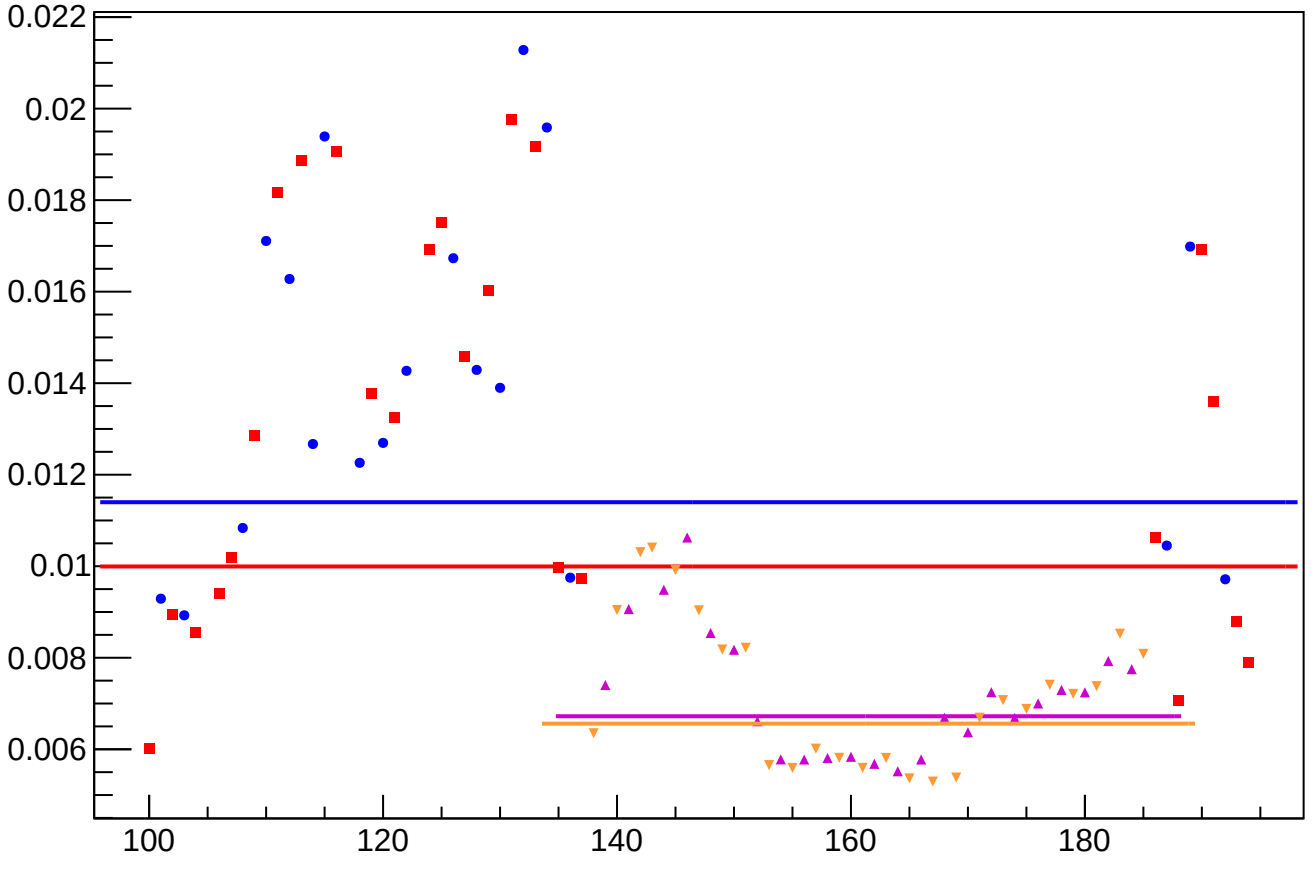
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.657+/-0.000 χ^2/NDF: 27799437163.4/43

All: -0.659+/-0.000 χ^2/NDF: 50884706491.2/

- sign -0.661+/-0.000 χ^2/NDF: 23081241976.5/47

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: 1909565.4/24

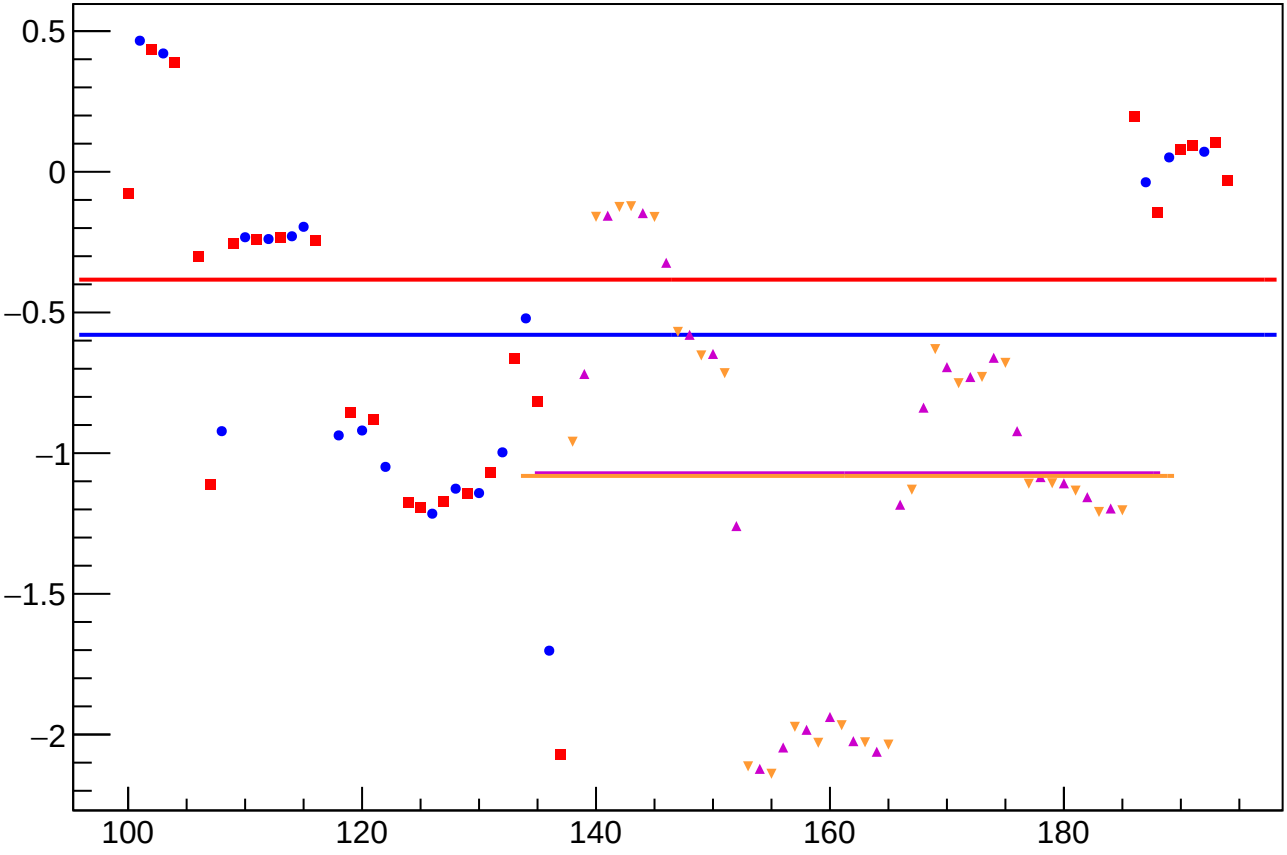
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4720701.0/43

All: 0.007+/-0.000 χ^2/NDF: 9131870.1/91

- sign 0.007+/-0.000 χ^2/NDF: 4393790.6/47

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: -0.383+/-0.000 χ^2/NDF: 468365345.0/24

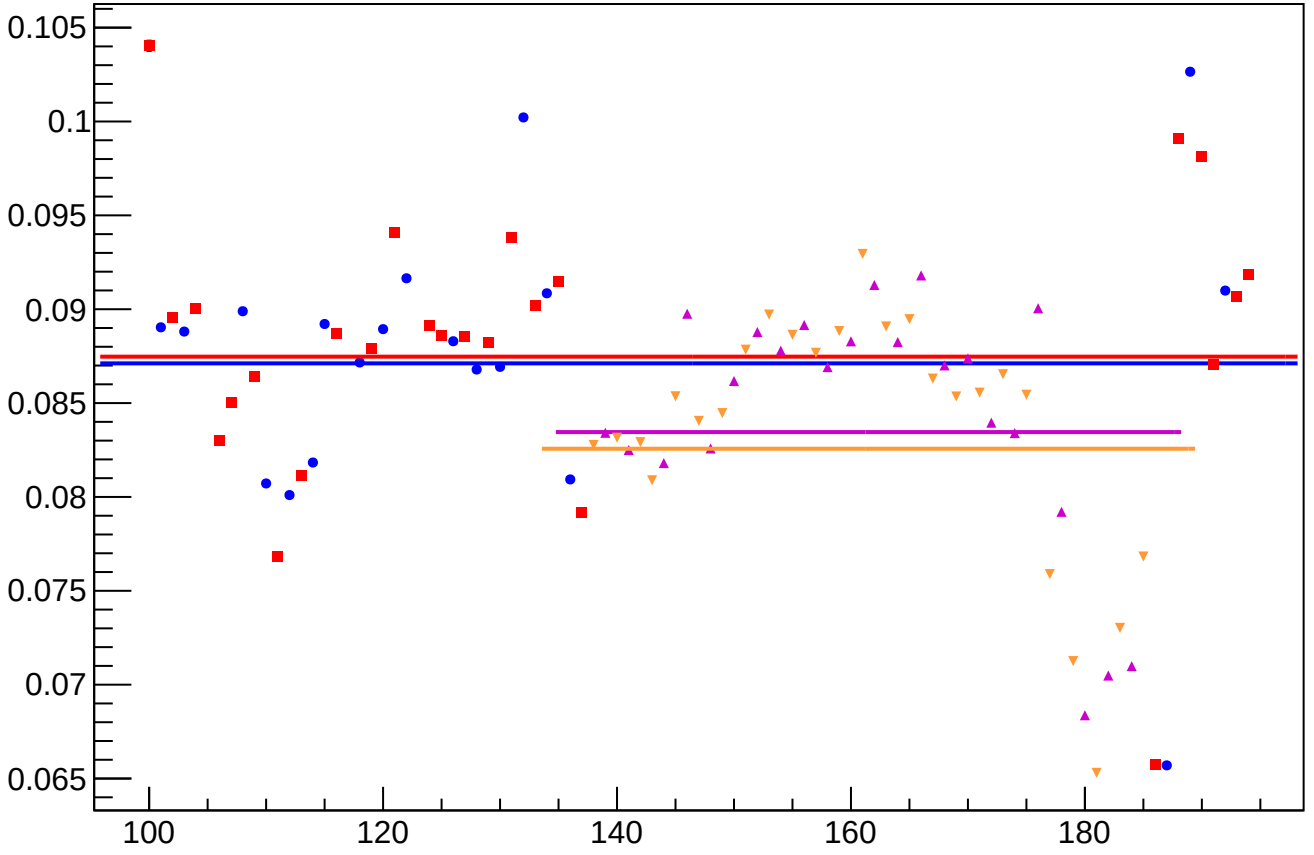
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.934+/-0.000 χ^2/NDF: 1896517205.9/43

All: -0.880+/-0.000 χ^2/NDF: 3802448215.4/9

- sign -0.826+/-0.000 χ^2/NDF: 1882702963.6/47

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: 175795.5/24

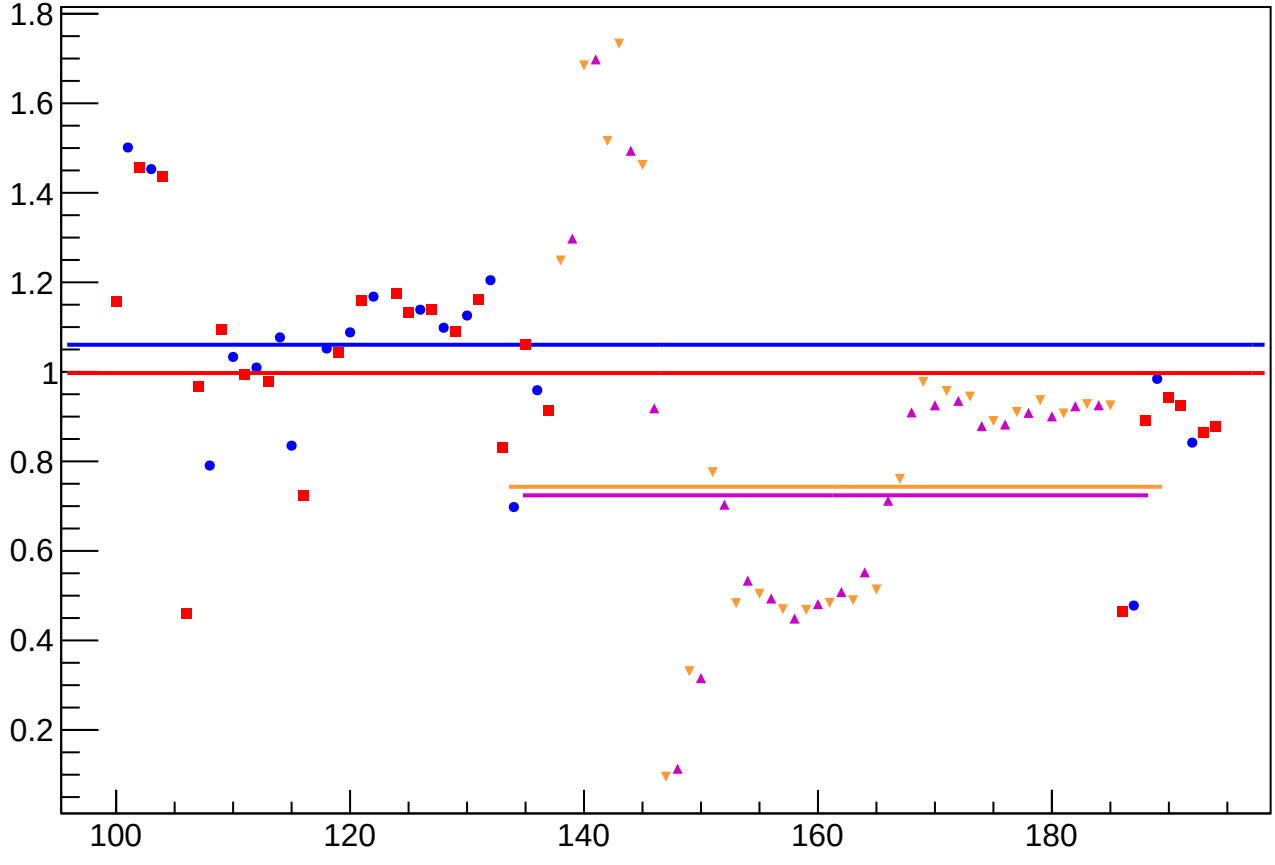
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.084+/-0.000 χ^2/NDF: 436155.5/43

All: 0.084+/-0.000 χ^2/NDF: 884148.2/91

- sign 0.085+/-0.000 χ^2/NDF: 444095.5/47

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: 0.997+/-0.000 χ^2/NDF: 2758836720.9/24

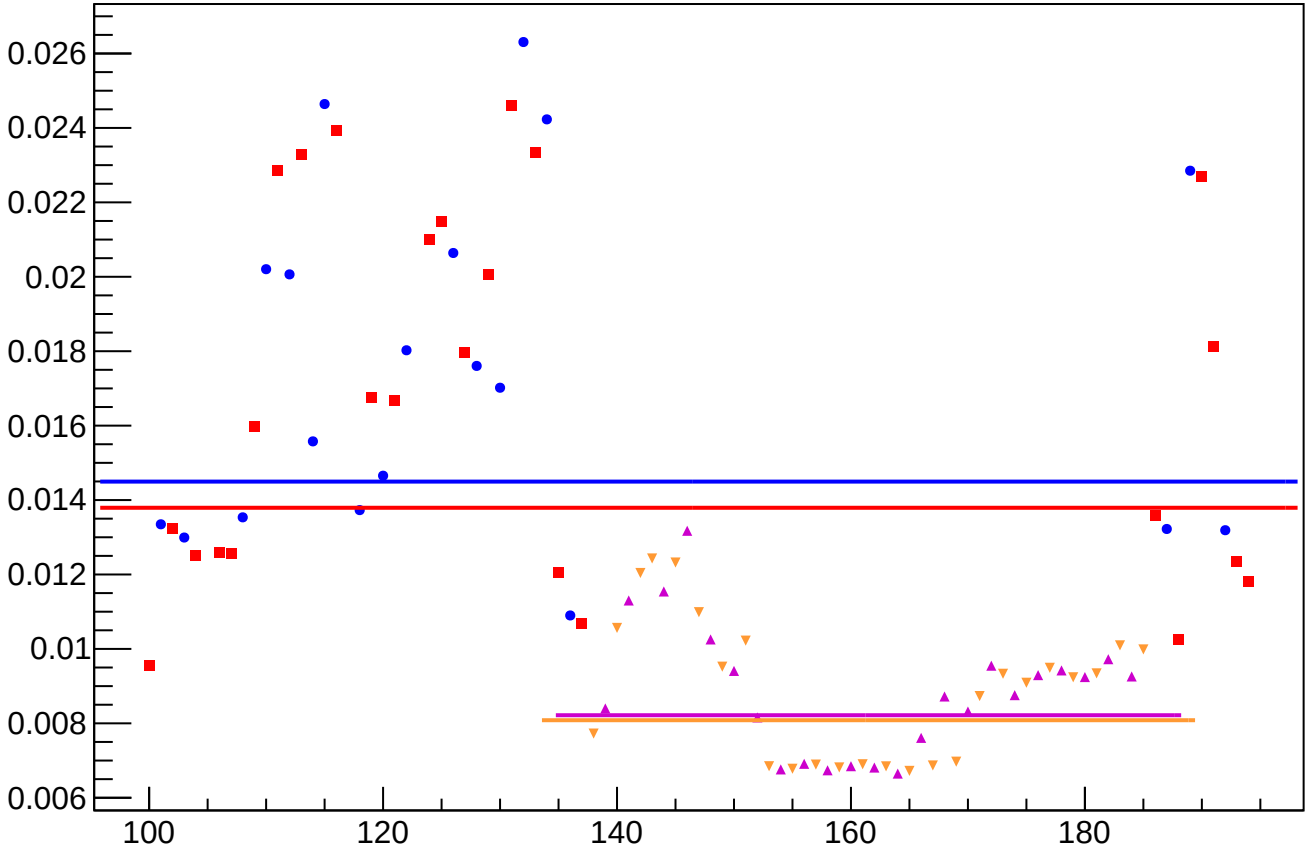
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.780+/-0.000 χ^2/NDF: 37872856131.5/43

All: 0.774+/-0.000 χ^2/NDF: 69301968342.4/9

- sign 0.768+/-0.000 χ^2/NDF: 31408773019.5/47

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: 1340532.2/24

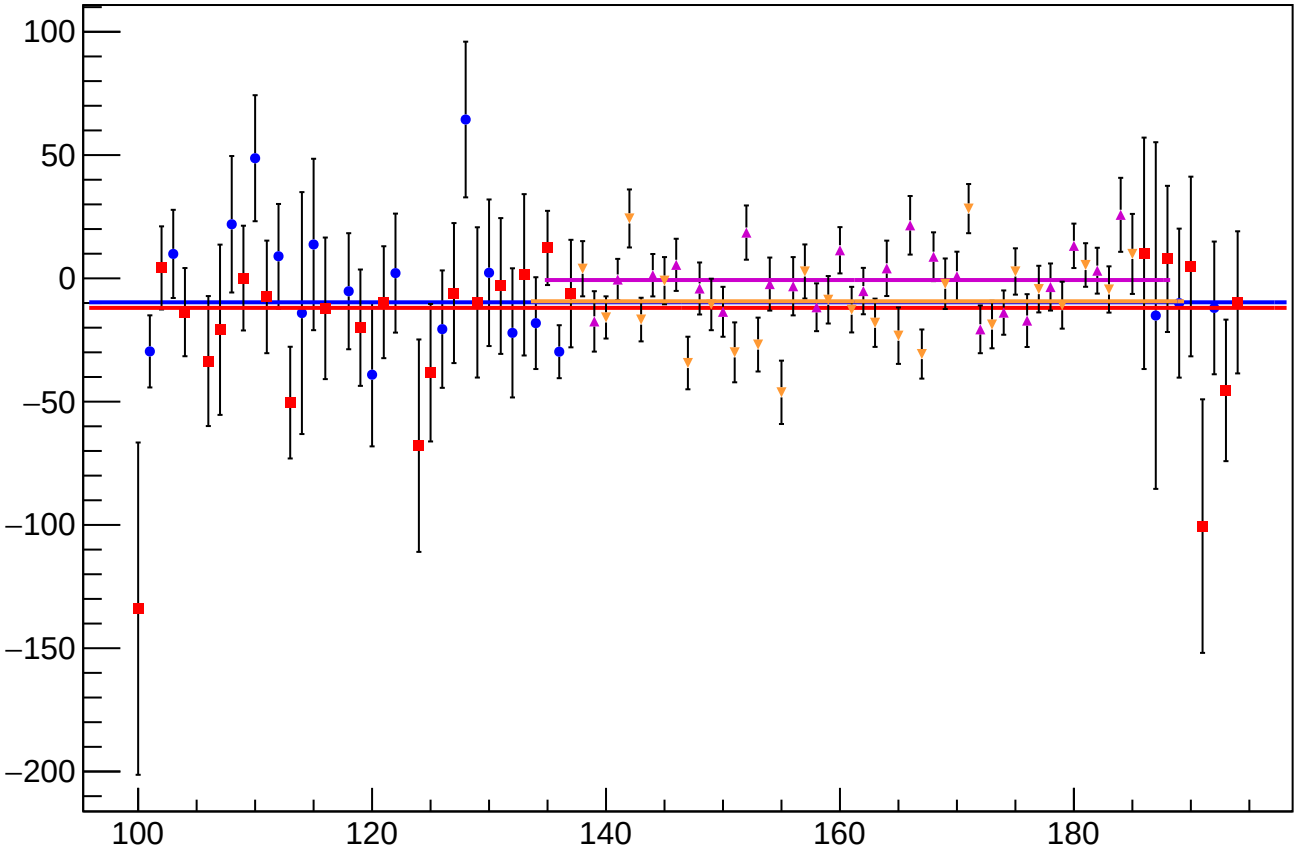
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4859633.5/43

All: 0.009+/-0.000 χ^2/NDF: 9848592.8/91

- sign 0.009+/-0.000 χ^2/NDF: 4962942.3/47

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

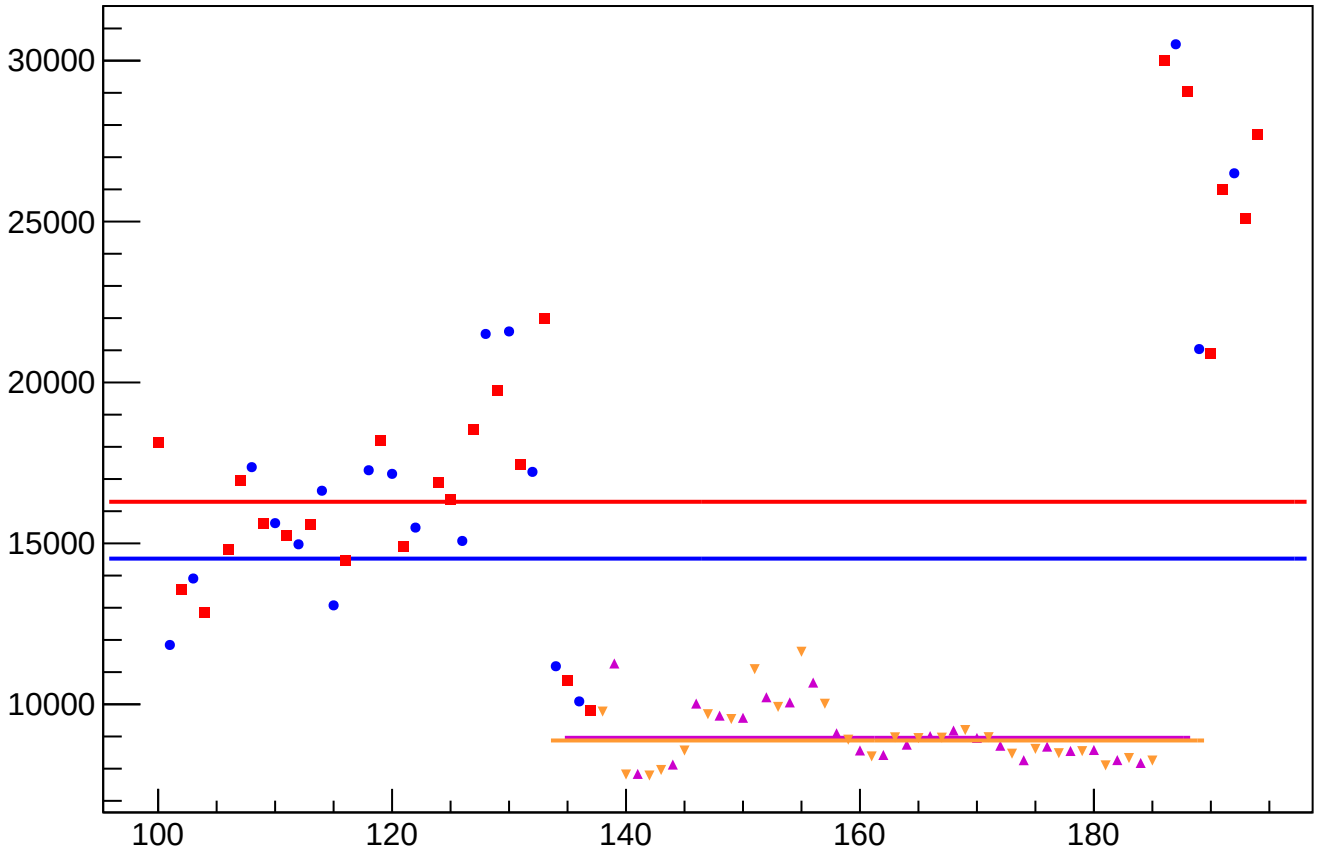
Right Out: -11.967+/-5.114 χ^2/NDF: 19.1/24

Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.349+/-1.887 χ^2/NDF: 83.1/43

All: -5.938+/-1.355 χ^2/NDF: 142.5/91

- sign -2.311+/-1.946 χ^2/NDF: 52.7/47



Right In: 14526.790+/-3.608 χ^2/NDF: 1380209.5/18

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 16292.851+/-3.616 χ^2/NDF: 1868020.1/24

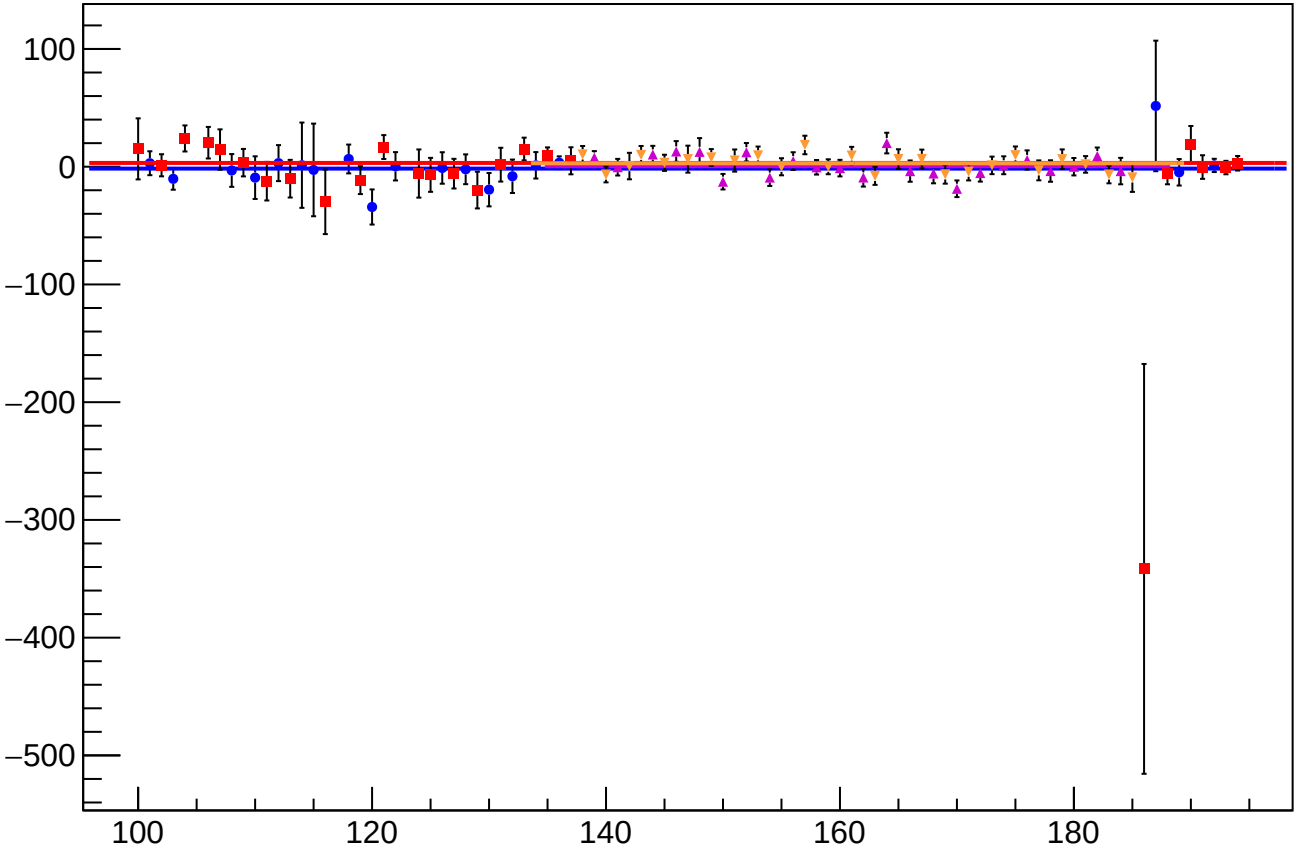
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9648.154+/-1.334 χ^2/NDF: 3844755.3/43

All: 9828.565+/-0.958 χ^2/NDF: 9569975.3/91

- sign 10020.480+/-1.376 χ^2/NDF: 5687478.9/47

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

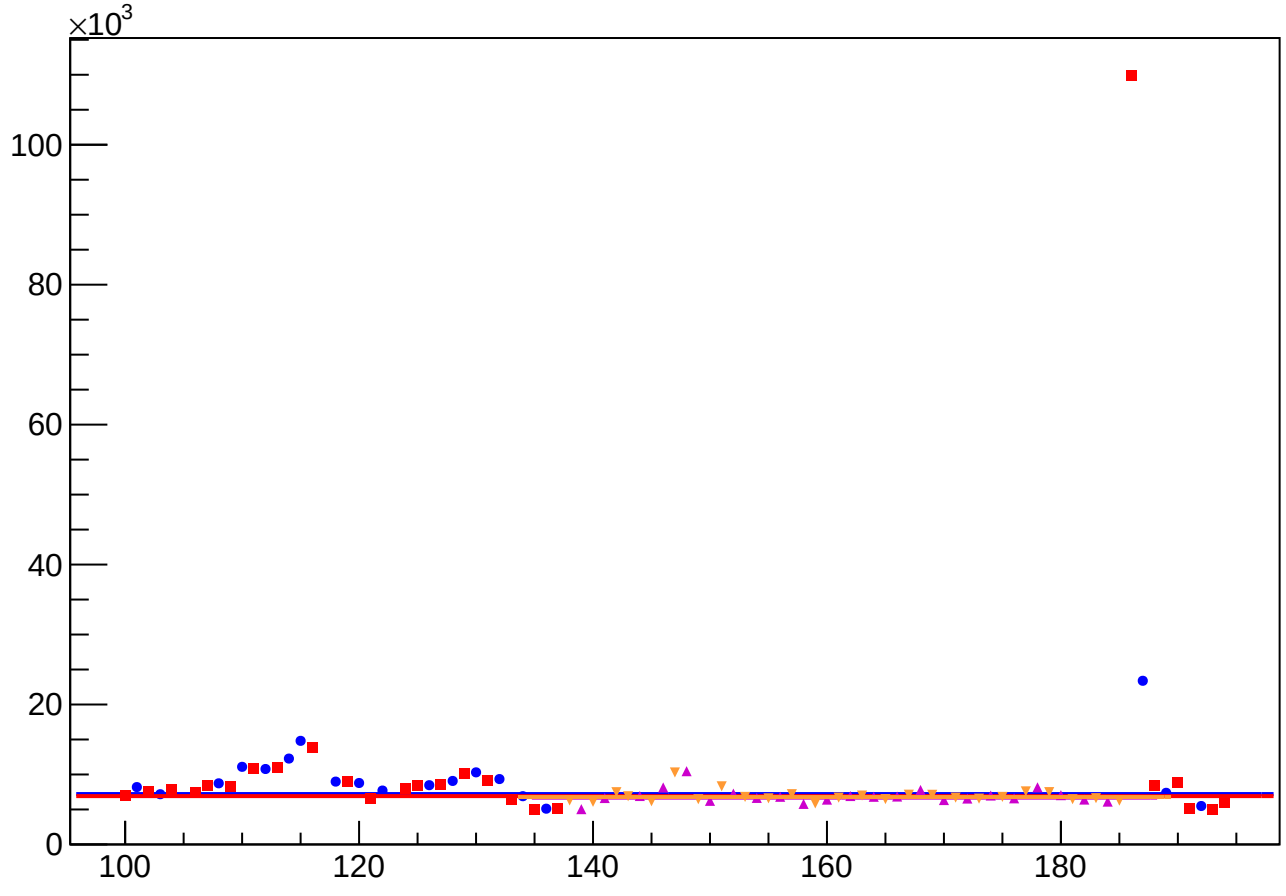
Right Out: 3.198+/-2.201 χ^2/NDF: 24.3/24

Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 1.647+/-1.323 χ^2/NDF: 32.3/43

All: 1.514+/-0.922 χ^2/NDF: 90.4/91

- sign 1.389+/-1.284 χ^2/NDF: 58.1/47



Right In: 7202.852+/-1.785 χ^2/NDF: 1284502.0/18

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

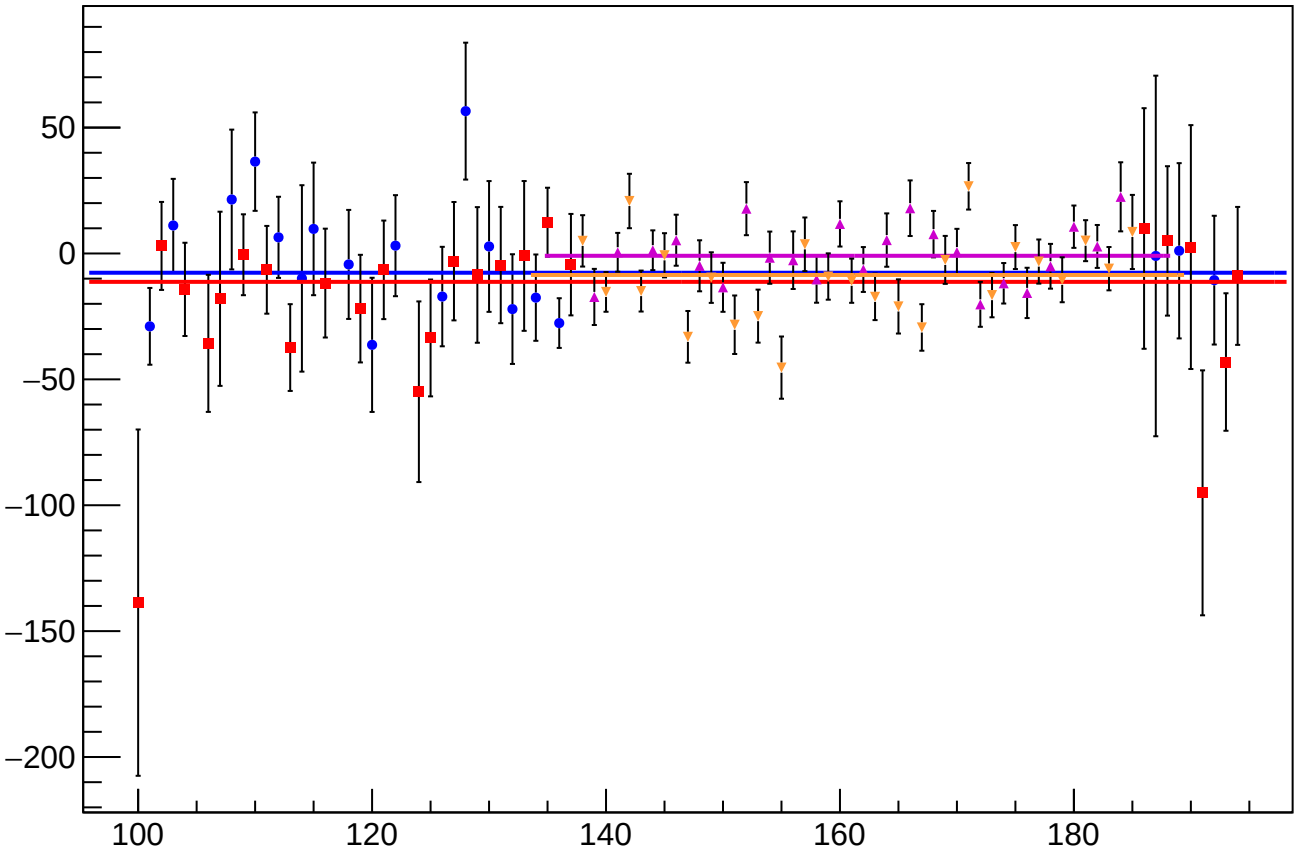
Right Out: 6907.581+/-1.556 χ^2/NDF: 2042676.8/24

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6893.798+/-0.936 χ^2/NDF: 1725992.4/43

All: 6826.853+/-0.652 χ^2/NDF: 4411831.8/91

- sign 6763.790+/-0.908 χ^2/NDF: 2675897.9/47



Right In: -7.651+/-4.617 χ^2/NDF: 22.8/18

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

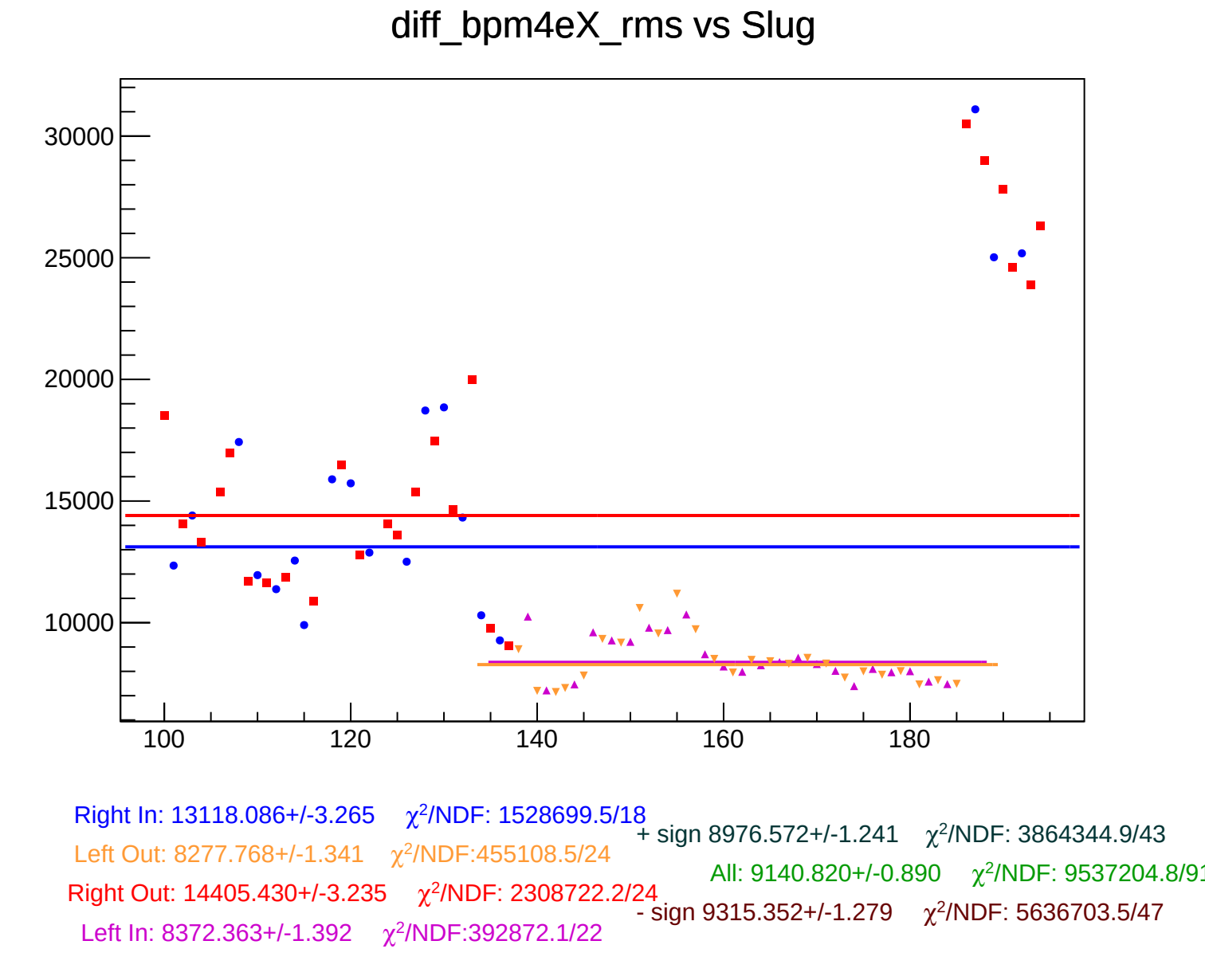
Right Out: -11.275+/-4.574 χ^2/NDF: 18.9/24

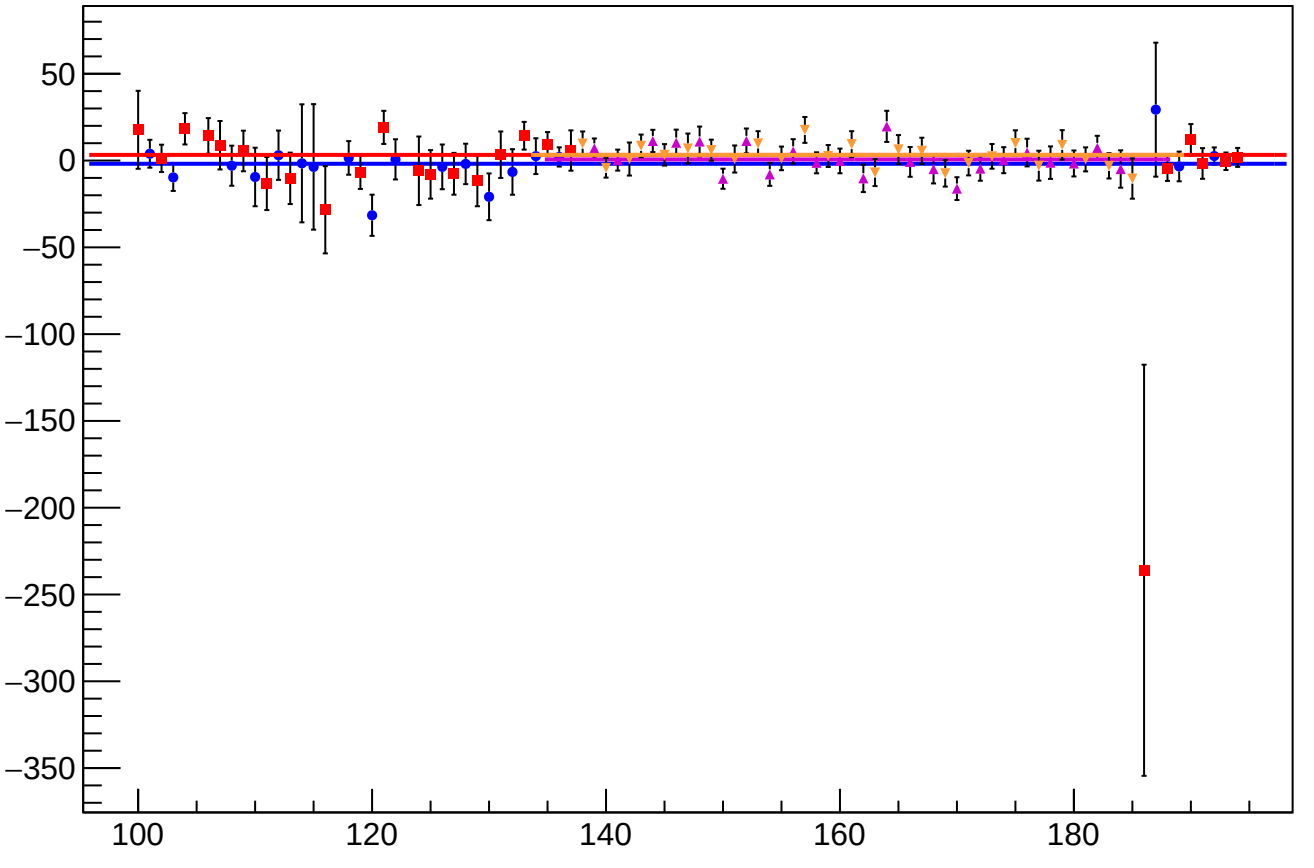
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -8.409+/-1.754 χ^2/NDF: 84.7/43

All: -5.562+/-1.259 χ^2/NDF: 142.4/91

- sign -2.538+/-1.808 χ^2/NDF: 52.3/47


diff_bpm4eX_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 13118.086+/-3.265 χ²/NDF: 1528699.5/18
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 14405.430+/-3.235 χ²/NDF: 2308722.2/24
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
+ sign 8976.572+/-1.241 χ²/NDF: 3864344.9/43
All: 9140.820+/-0.890 χ²/NDF: 9537204.8/91
- sign 9315.352+/-1.279 χ²/NDF: 5636703.5/47



Right In: -1.854+/-2.255 χ^2/NDF: 12.6/18

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: 3.258+/-1.925 χ^2/NDF: 24.5/24

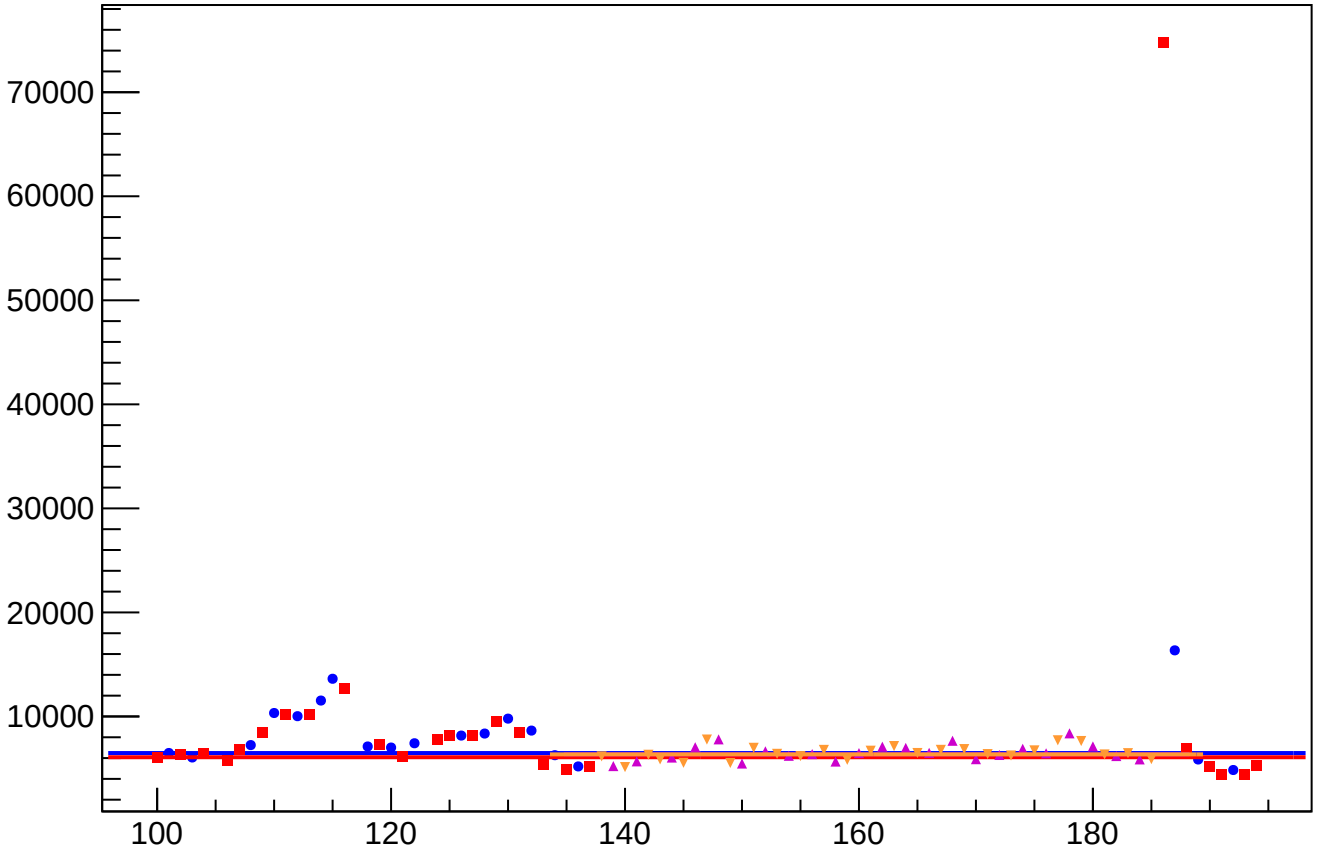
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 1.750+/-1.224 χ^2/NDF: 33.9/43

All: 1.689+/-0.851 χ^2/NDF: 90.3/91

- sign 1.632+/-1.183 χ^2/NDF: 56.4/47

diff_bpm4eY_rms vs Slug



Right In: 6483.672+/-1.595 χ^2/NDF: 1117335.3/18

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 6080.841+/-1.361 χ^2/NDF: 1999775.0/24

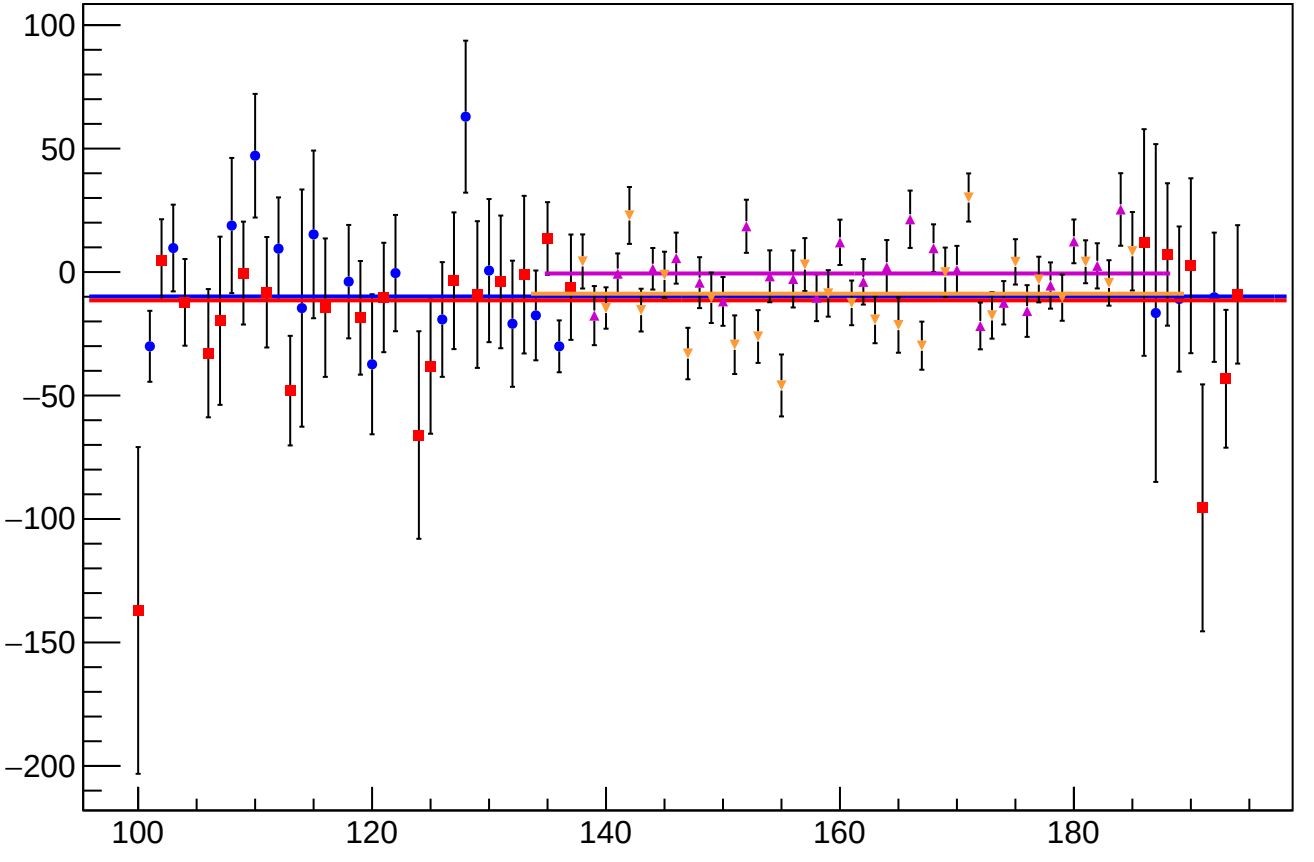
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6394.734+/-0.865 χ^2/NDF: 1535863.1/43

All: 6322.259+/-0.601 χ^2/NDF: 4049234.9/91

- sign 6254.562+/-0.836 χ^2/NDF: 2499808.6/47

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: -11.472+/-5.002 χ^2/NDF: 19.3/24

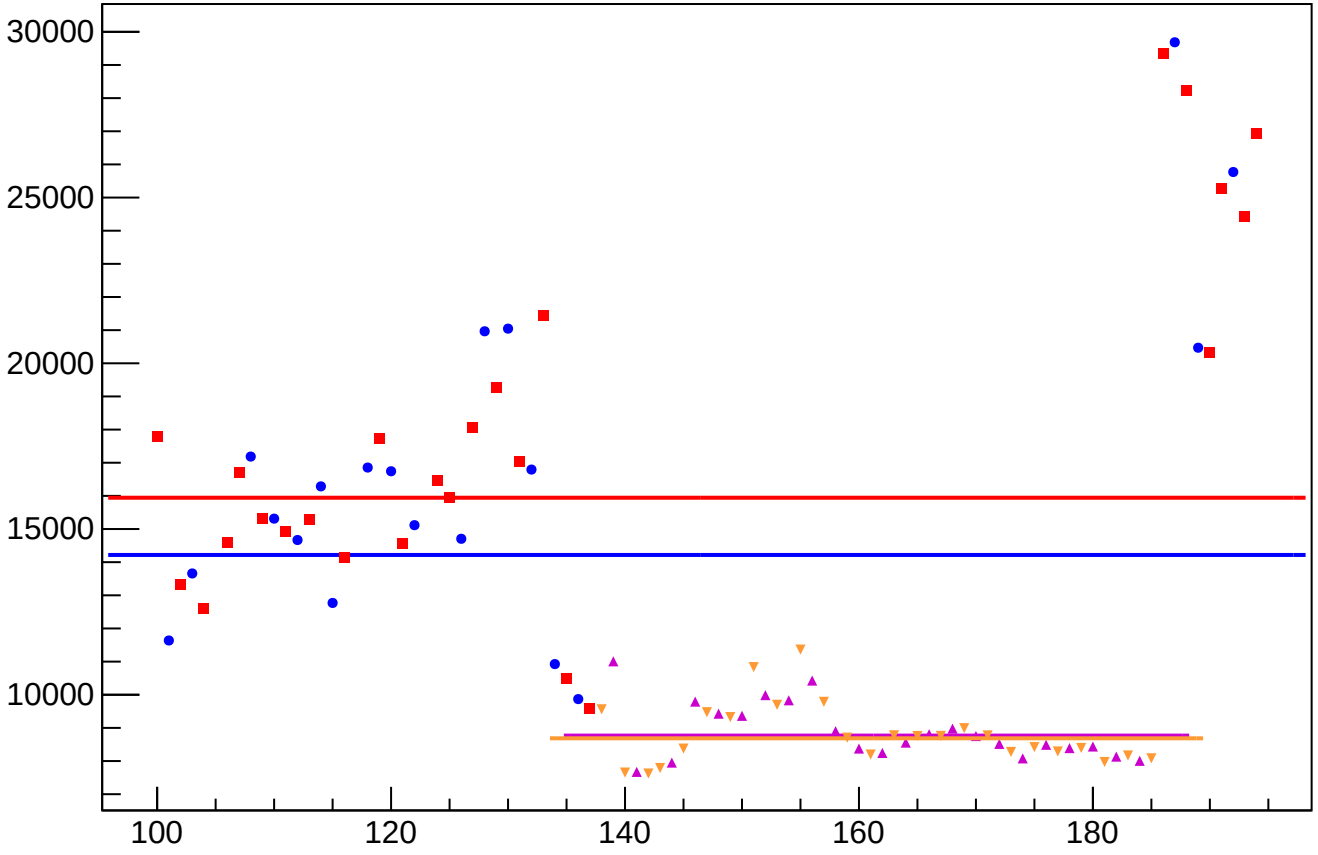
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -8.921+/-1.846 χ^2/NDF: 84.8/43

All: -5.644+/-1.325 χ^2/NDF: 144.2/91

- sign -2.158+/-1.904 χ^2/NDF: 52.9/47

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: 15944.267+/-3.537 χ^2/NDF: 1843027.6/24

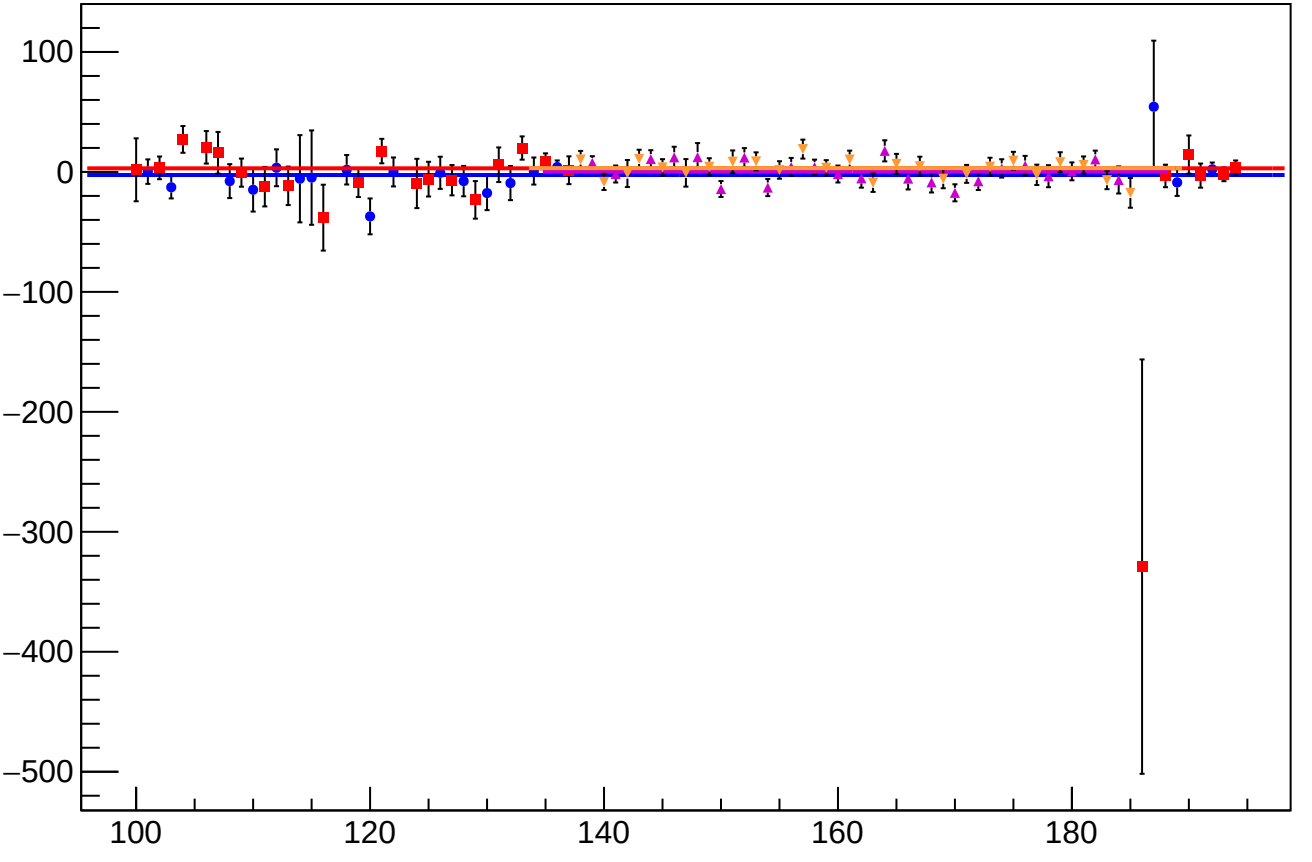
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9442.563+/-1.305 χ^2/NDF: 3827041.7/43

All: 9619.513+/-0.937 χ^2/NDF: 9524301.8/91

- sign 9807.747+/-1.346 χ^2/NDF: 5659339.8/47

diff_bpm4acY_mean vs Slug



Right In: -2.572+/-2.537 χ^2/NDF: 12.7/18

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 3.007+/-2.212 χ^2/NDF: 27.6/24

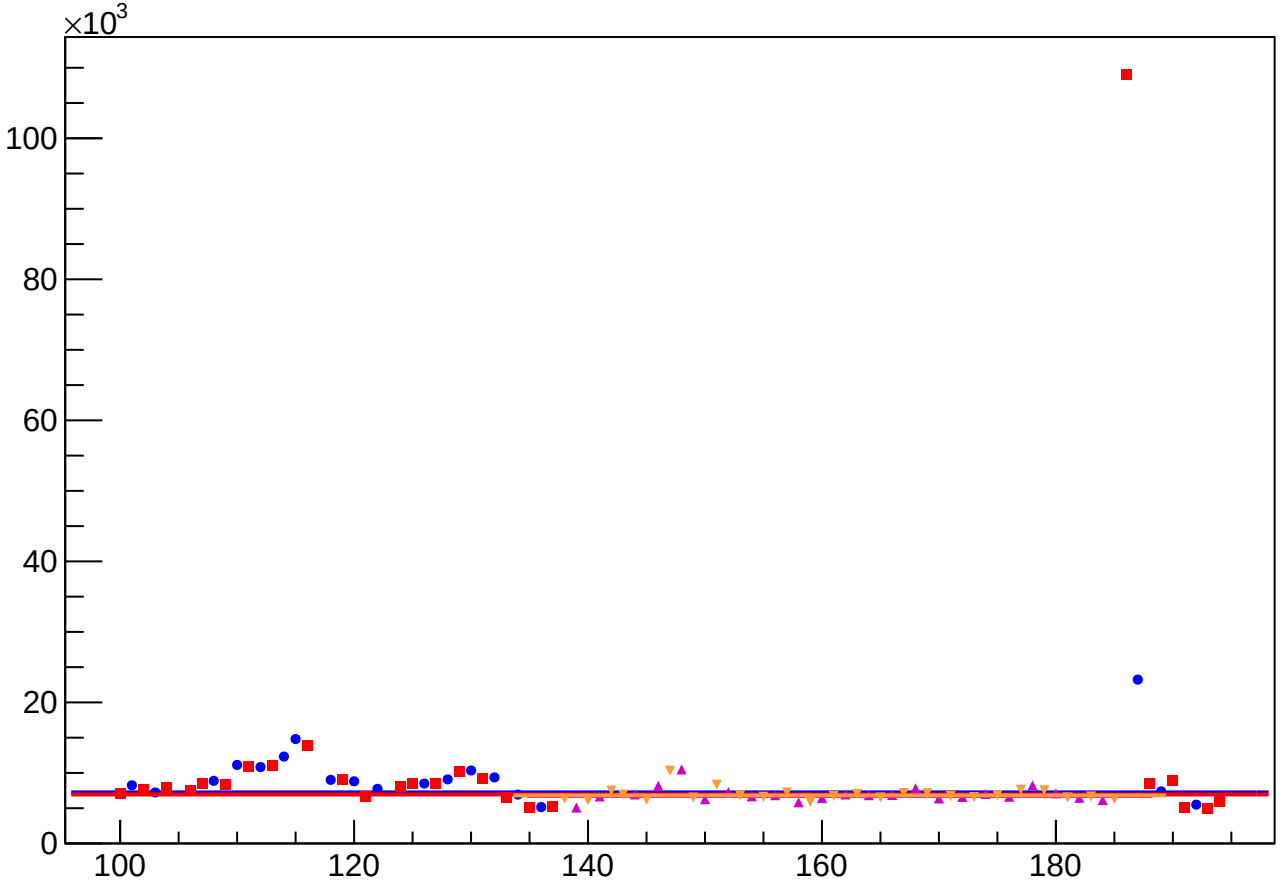
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 1.593+/-1.330 χ^2/NDF: 38.1/43

All: 1.392+/-0.926 χ^2/NDF: 101.0/91

- sign 1.202+/-1.291 χ^2/NDF: 62.9/47

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: 6944.555+/-1.564 χ^2/NDF: 2034373.3/24

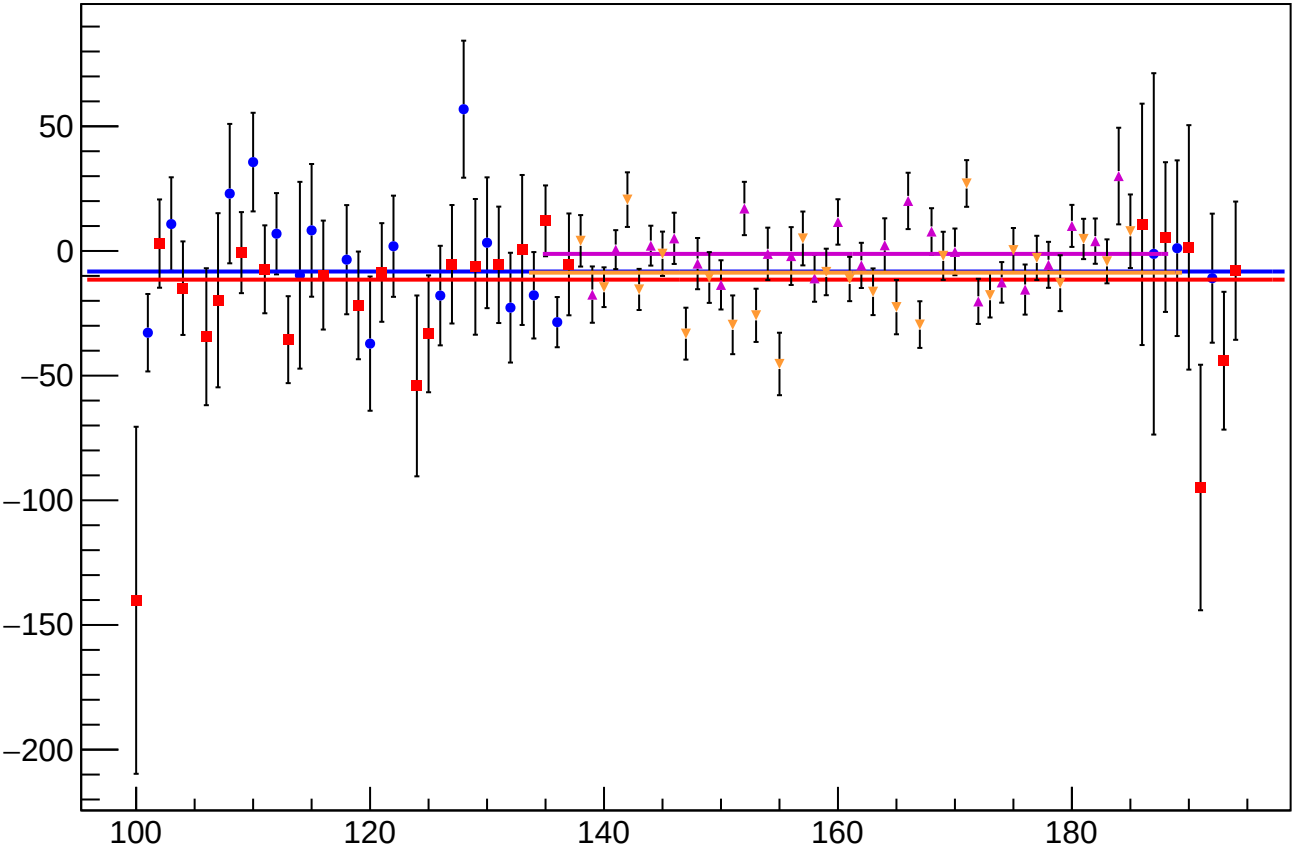
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6930.447+/-0.940 χ^2/NDF: 1713542.4/43

All: 6864.166+/-0.655 χ^2/NDF: 4380256.2/91

- sign 6801.704+/-0.913 χ^2/NDF: 2657065.8/47

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: -11.502+/-4.640 χ^2/NDF: 17.8/24

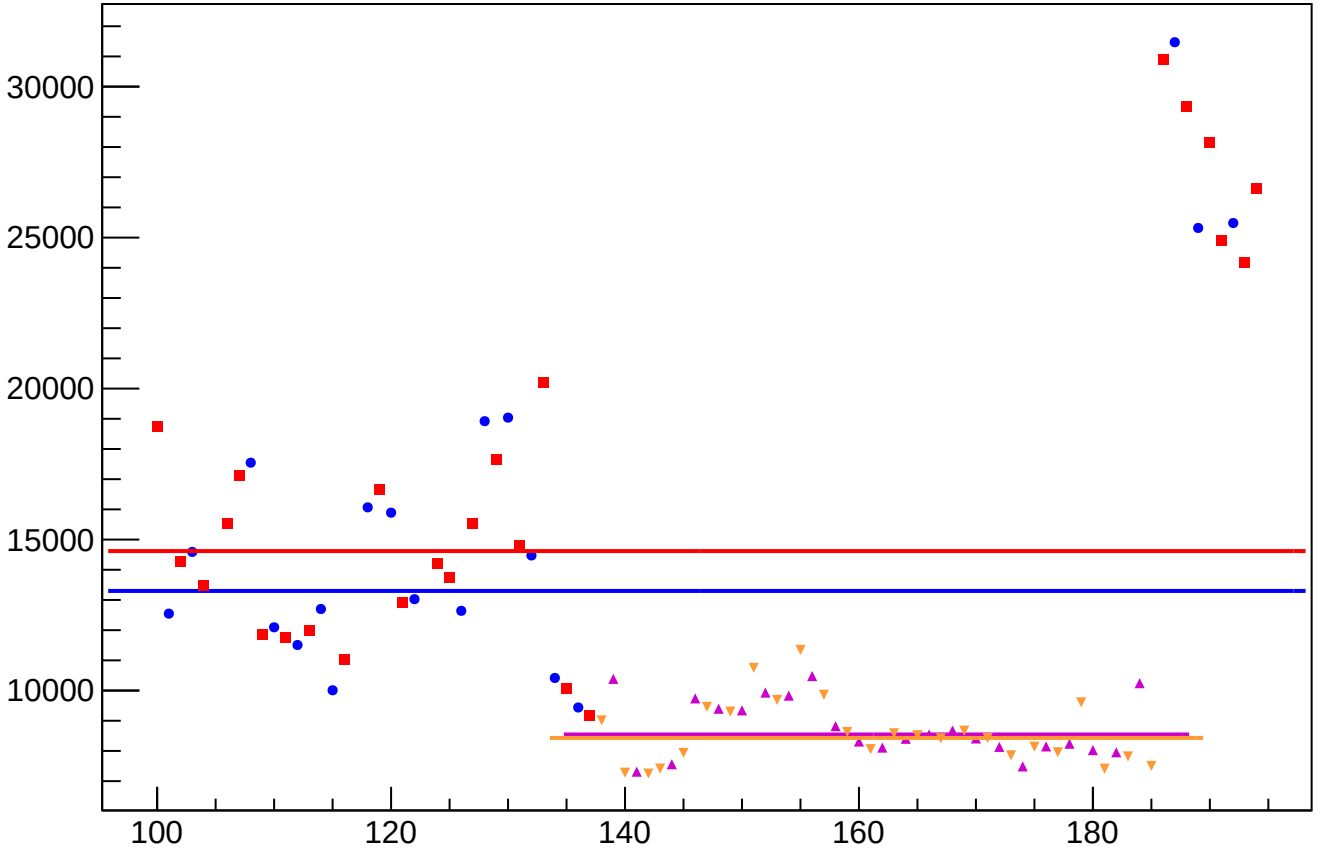
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -8.626+/-1.789 χ^2/NDF: 84.8/43

All: -5.809+/-1.285 χ^2/NDF: 140.4/91

- sign -2.809+/-1.846 χ^2/NDF: 50.5/47

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: 14619.807+/-3.281 χ^2/NDF: 2278130.8/24

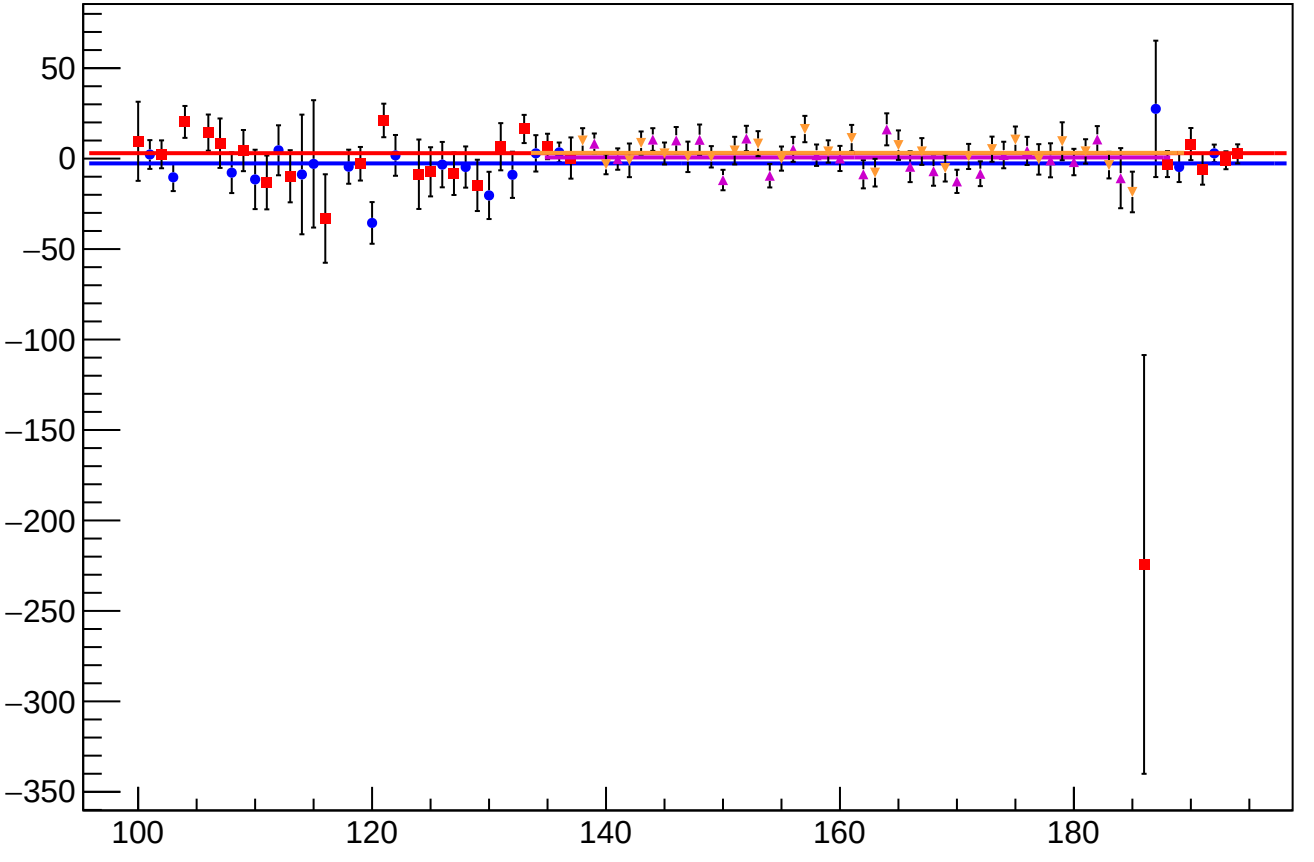
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9141.946+/-1.265 χ^2/NDF: 3844466.6/43

All: 9318.771+/-0.909 χ^2/NDF: 9437183.6/91

- sign 9507.065+/-1.305 χ^2/NDF: 5552378.1/47

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: 3.003+/-1.881 χ^2/NDF: 27.2/24

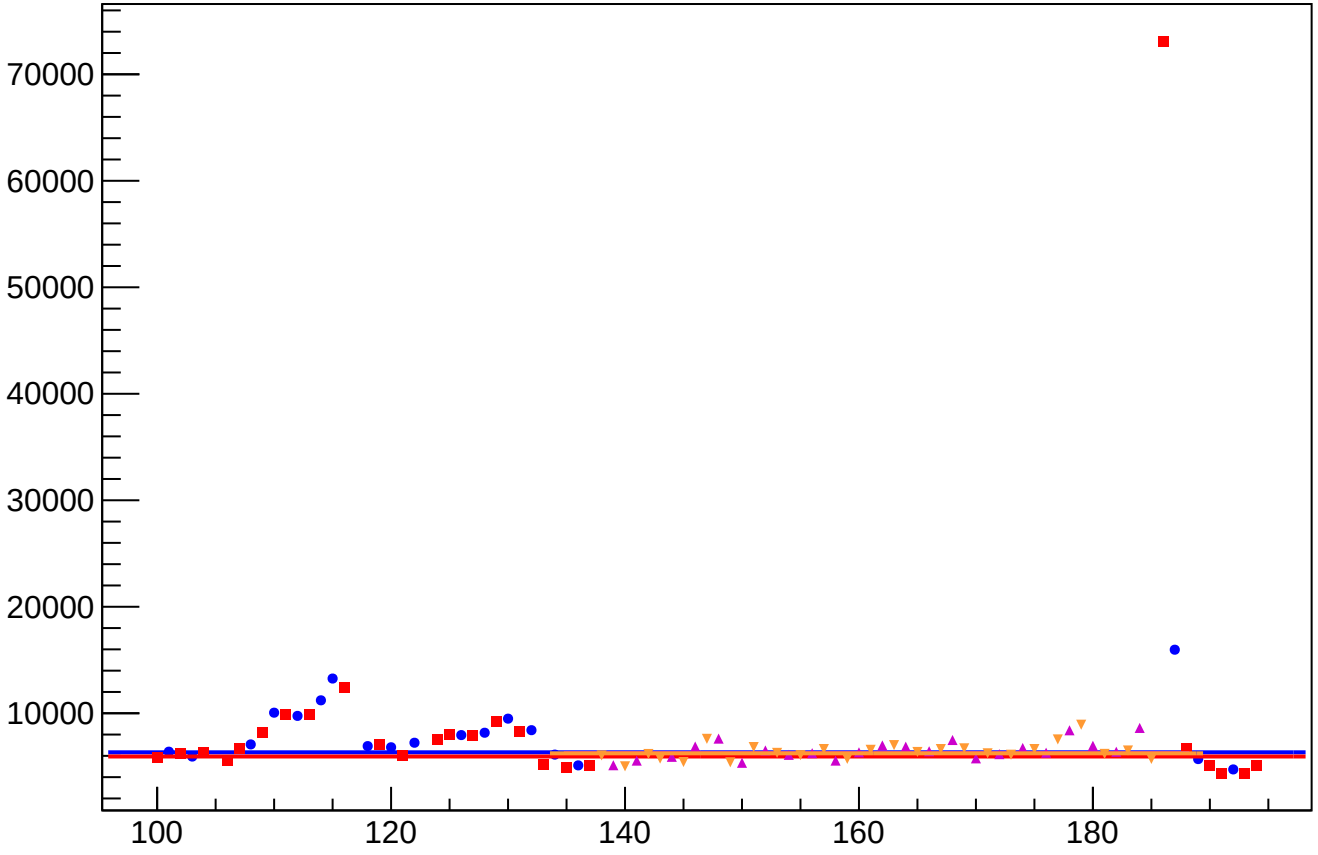
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 1.449+/-1.203 χ^2/NDF: 39.8/43

All: 1.496+/-0.836 χ^2/NDF: 99.8/91

- sign 1.540+/-1.164 χ^2/NDF: 60.0/47

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: 5940.375+/-1.330 χ^2/NDF: 1976064.9/24

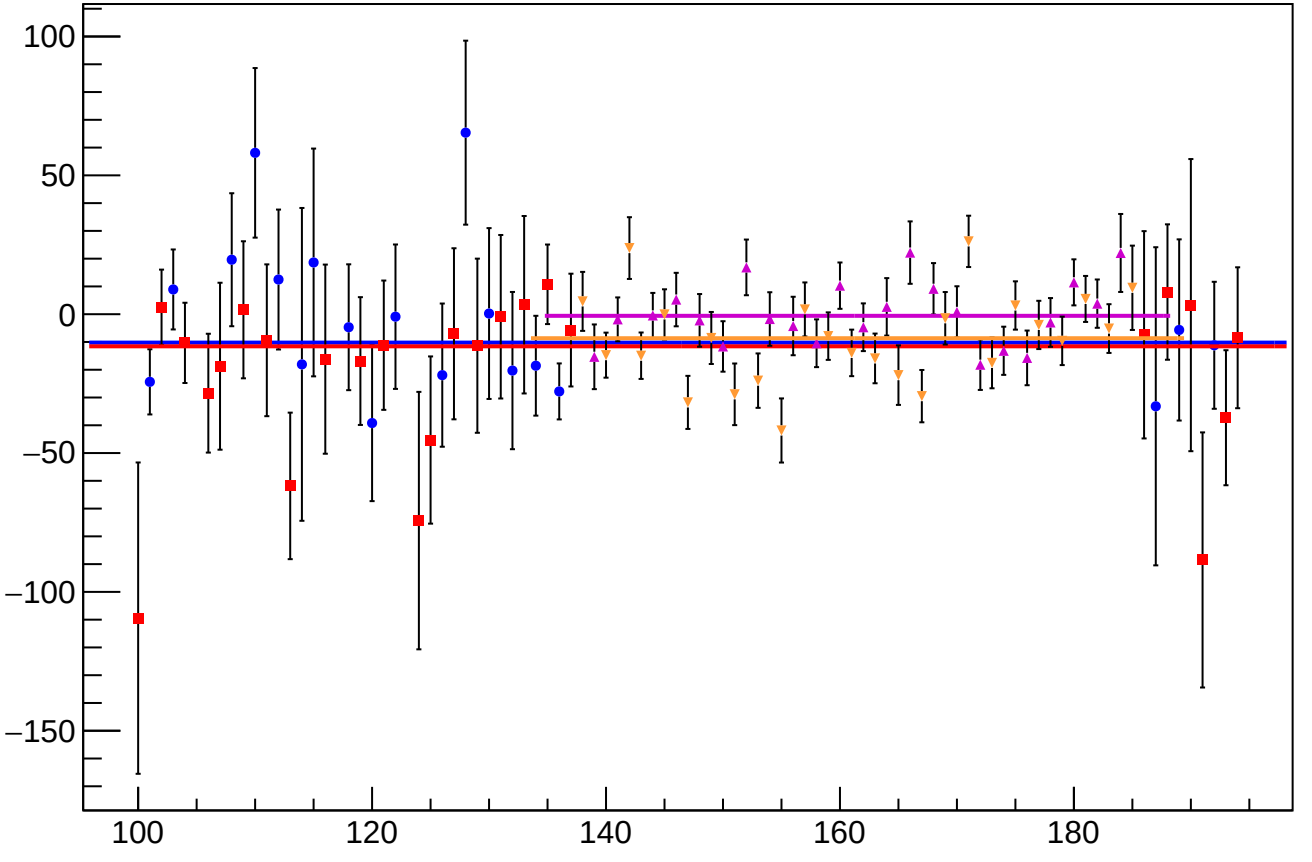
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6266.430+/-0.850 χ^2/NDF: 1615814.0/43

All: 6202.579+/-0.591 χ^2/NDF: 4164618.2/91

- sign 6142.745+/-0.823 χ^2/NDF: 2537881.7/47

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

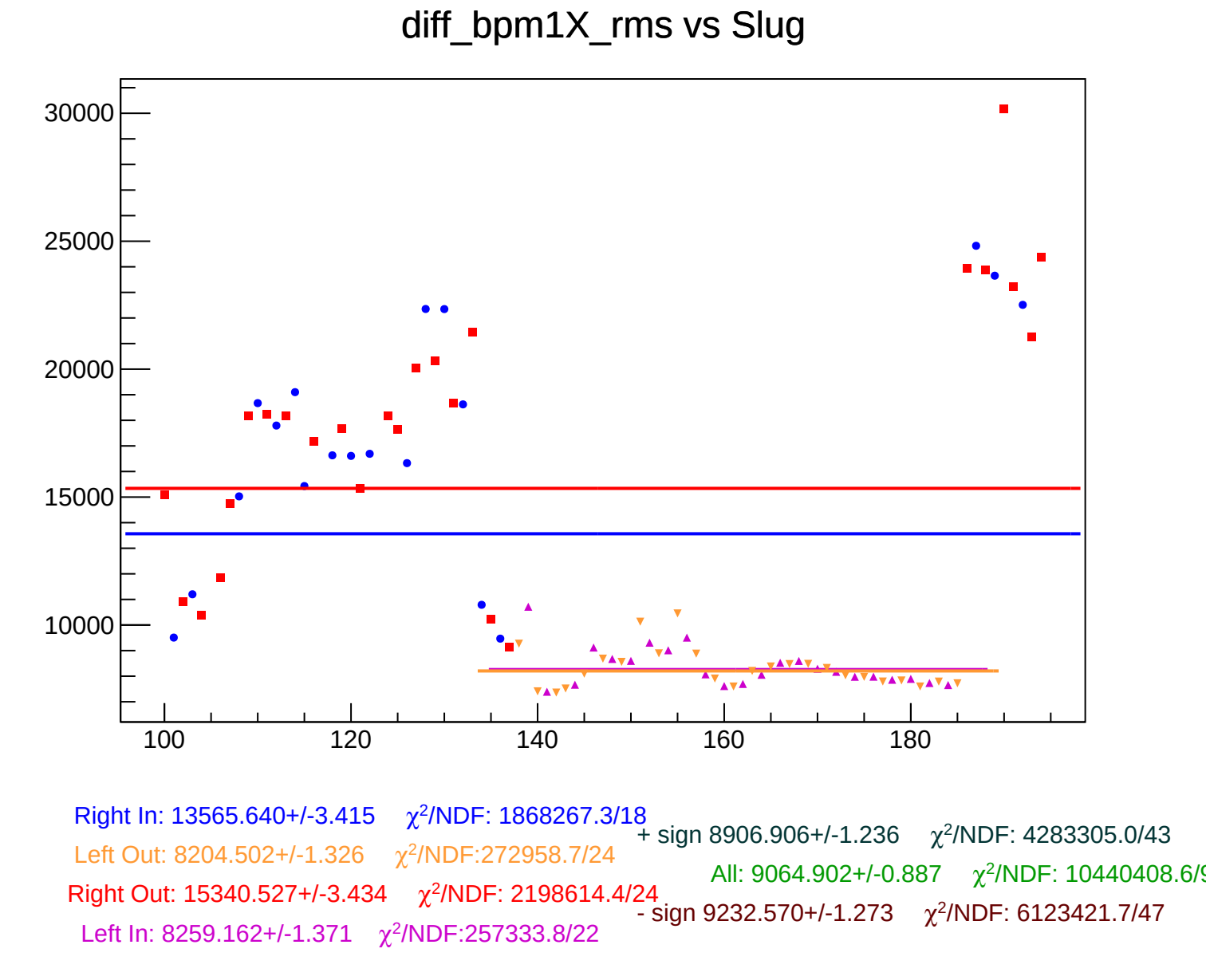
Right Out: -11.569+/-4.857 χ^2/NDF: 19.4/24

Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

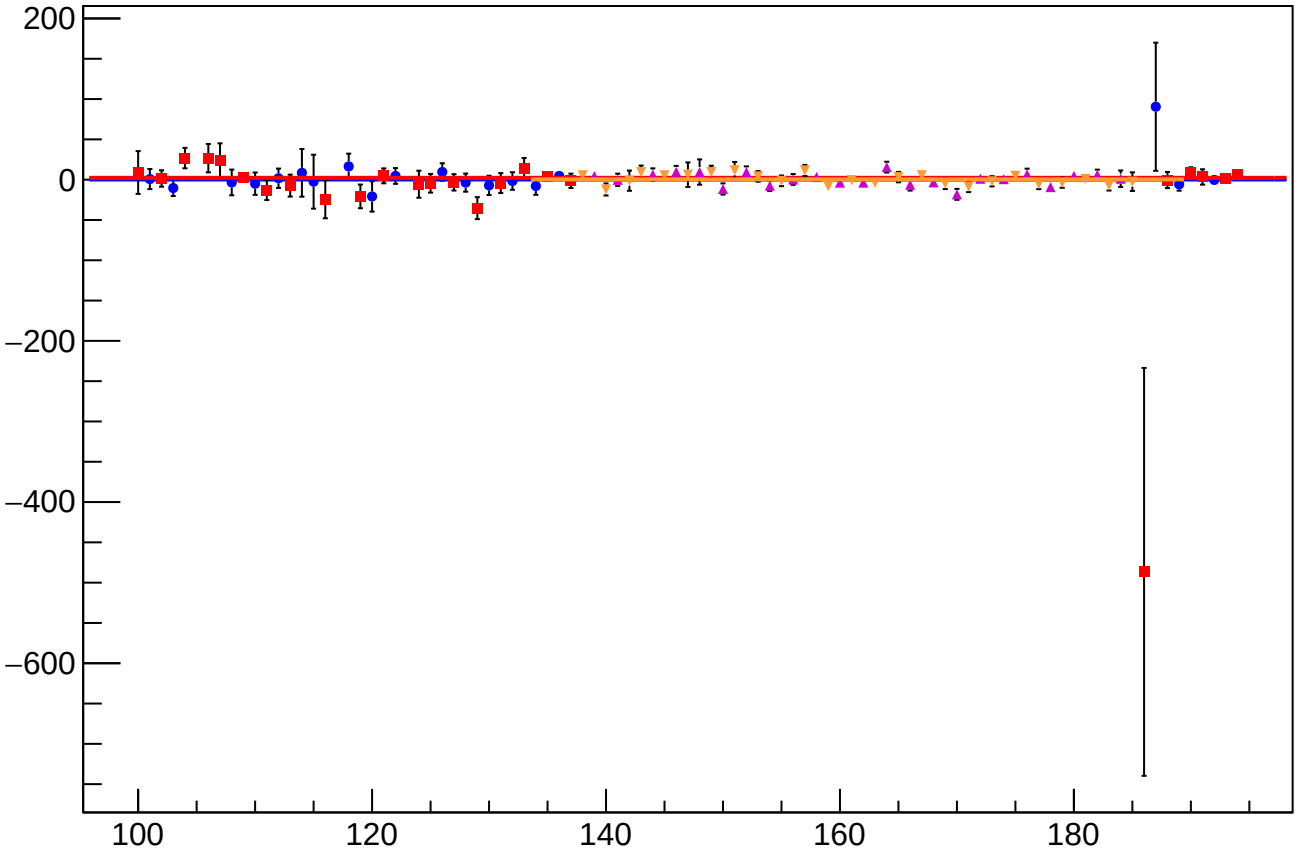
+ sign -8.857+/-1.748 χ^2/NDF: 84.6/43

All: -5.575+/-1.254 χ^2/NDF: 144.2/91

- sign -2.093+/-1.801 χ^2/NDF: 52.4/47


diff_bpm1X_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
Right In: 13565.640+/-3.415 χ²/NDF: 1868267.3/18
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 15340.527+/-3.434 χ²/NDF: 2198614.4/24
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
+ sign 8906.906+/-1.236 χ²/NDF: 4283305.0/43
All: 9064.902+/-0.887 χ²/NDF: 10440408.6/9
- sign 9232.570+/-1.273 χ²/NDF: 6123421.7/47

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: 2.280+/-1.853 χ^2/NDF: 27.9/24

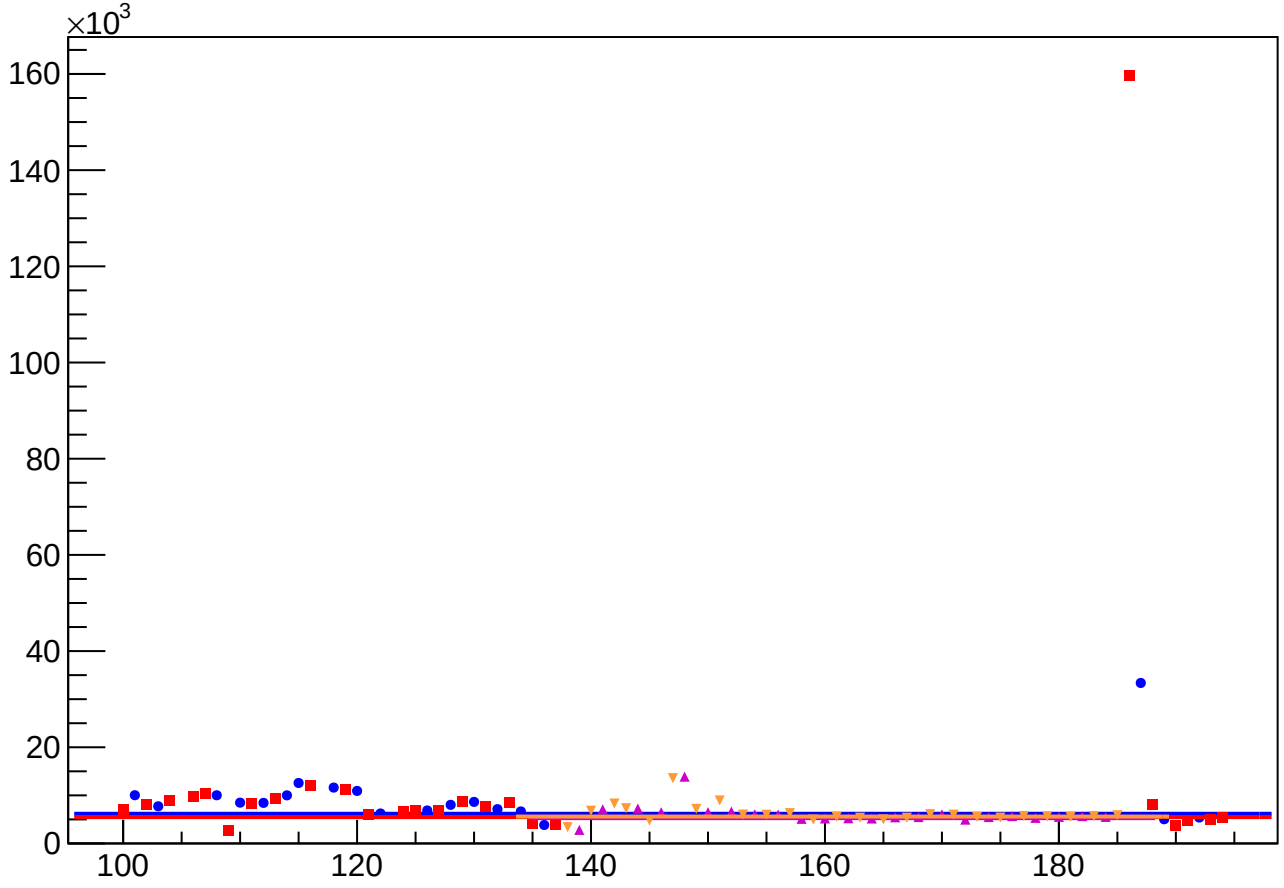
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.320+/-1.137 χ^2/NDF: 30.3/43

All: 0.803+/-0.775 χ^2/NDF: 88.9/91

- sign 1.223+/-1.059 χ^2/NDF: 58.3/47

diff_bpm1Y_rms vs Slug



Right In: 6172.579+/-1.577 χ^2/NDF: 2087845.5/18

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5477.141+/-1.310 χ^2/NDF: 3624702.4/24

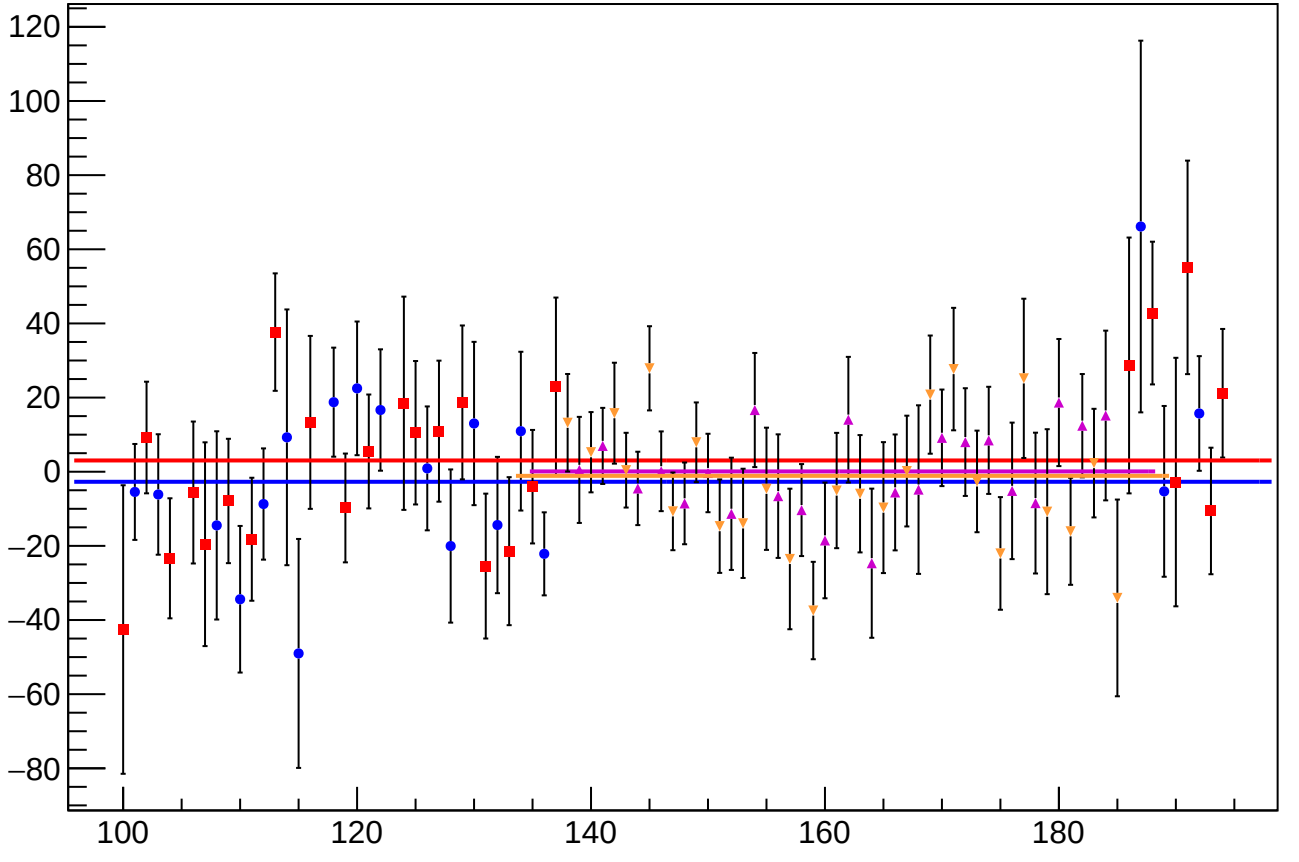
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5744.707+/-0.804 χ^2/NDF: 3971526.5/43

All: 5524.216+/-0.548 χ^2/NDF: 10180344.1/9

- sign 5332.848+/-0.749 χ^2/NDF: 6068334.0/47

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

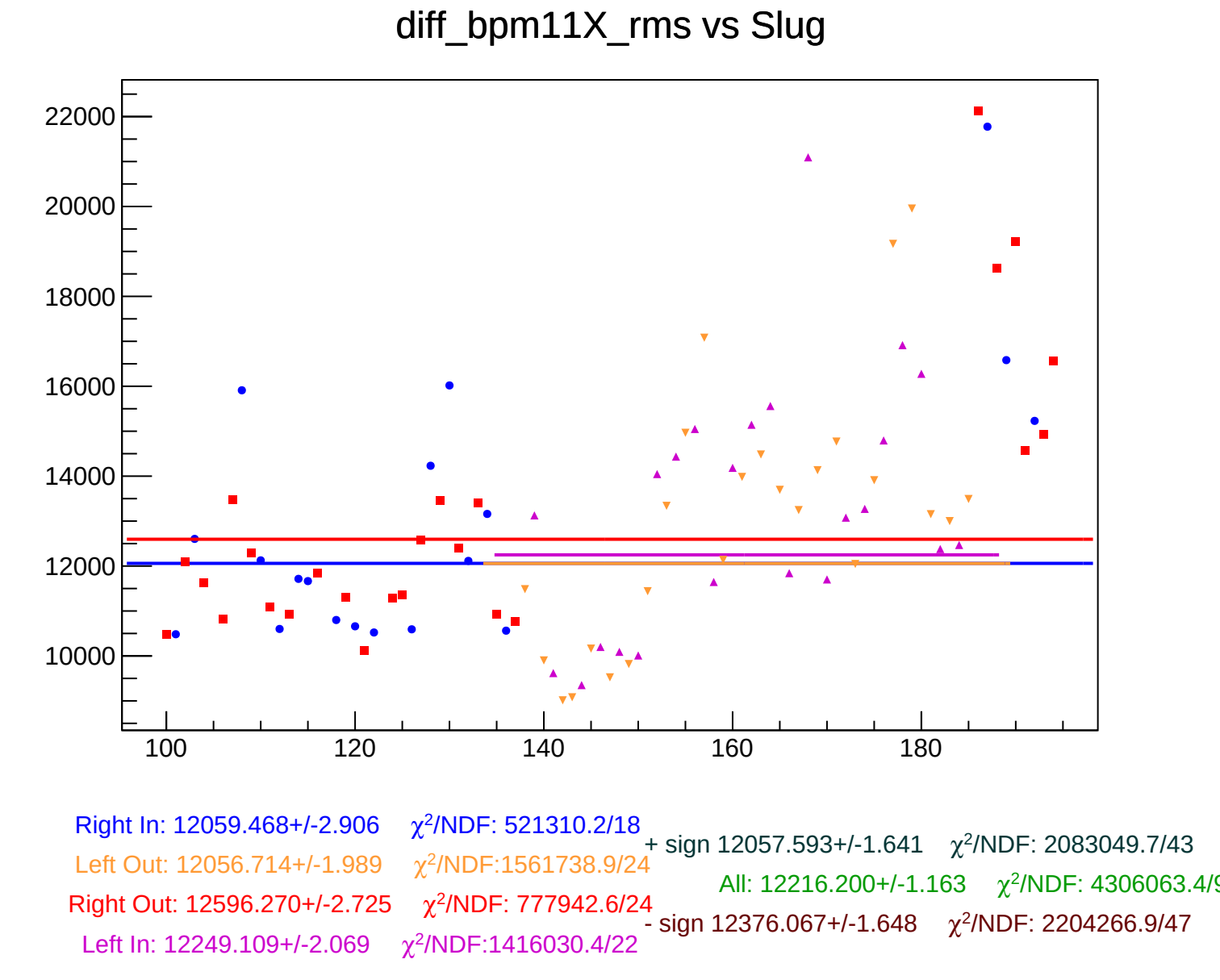
Right Out: 3.039+/-3.854 χ^2/NDF: 28.5/24

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

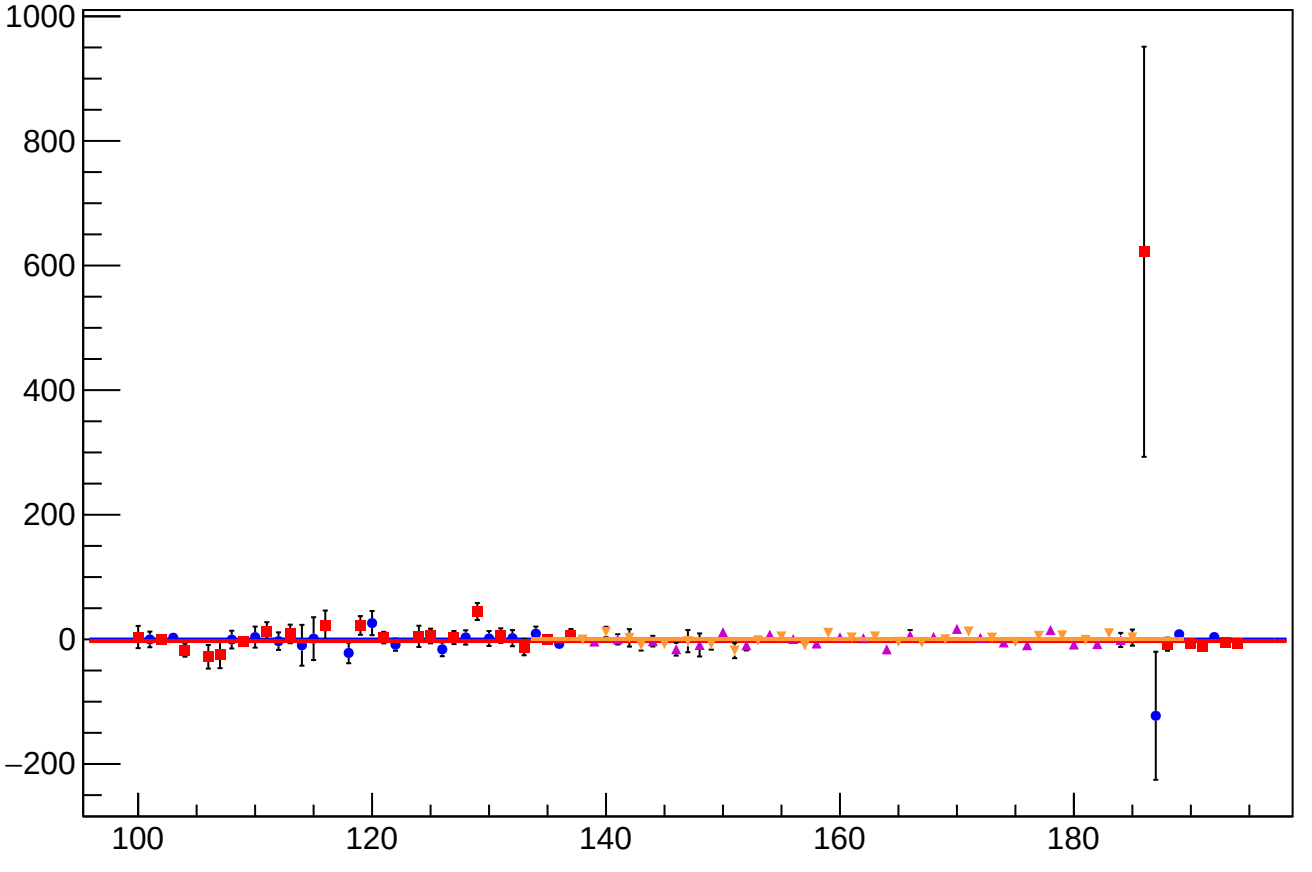
\+ sign -1.622+/-2.321 χ^2/NDF: 53.2/43

All: -0.234+/-1.645 χ^2/NDF: 94.2/91

\- sign 1.165+/-2.331 χ^2/NDF: 40.3/47


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: 12596.270+/-2.725 χ²/NDF: 777942.6/24
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
+ sign 12057.593+/-1.641 χ²/NDF: 2083049.7/43
All: 12216.200+/-1.163 χ²/NDF: 4306063.4/9
- sign 12376.067+/-1.648 χ²/NDF: 2204266.9/47

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: -2.693+/-1.749 χ^2/NDF: 33.0/24

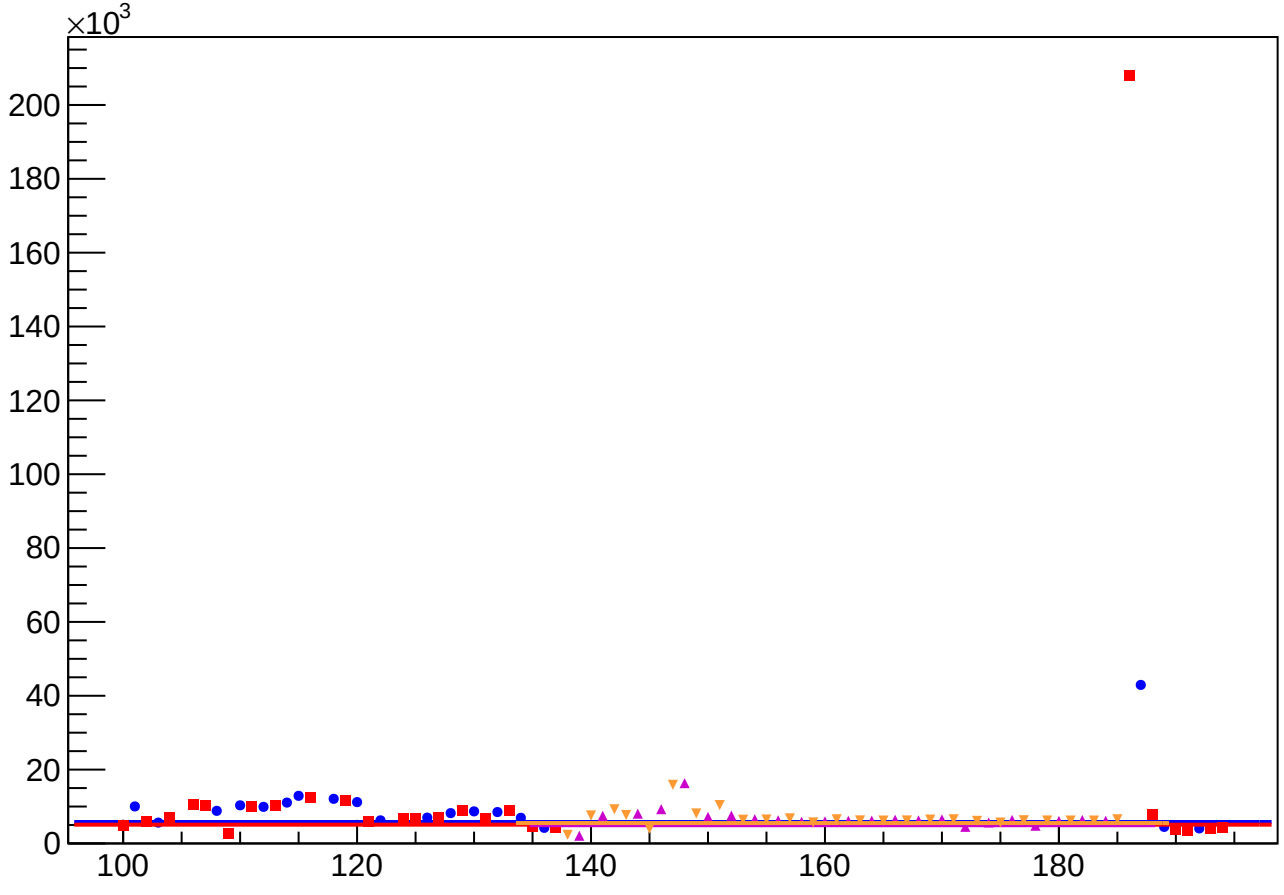
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.289+/-1.152 χ^2/NDF: 35.0/43

All: -0.731+/-0.772 χ^2/NDF: 102.2/91

- sign -1.564+/-1.041 χ^2/NDF: 65.8/47

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

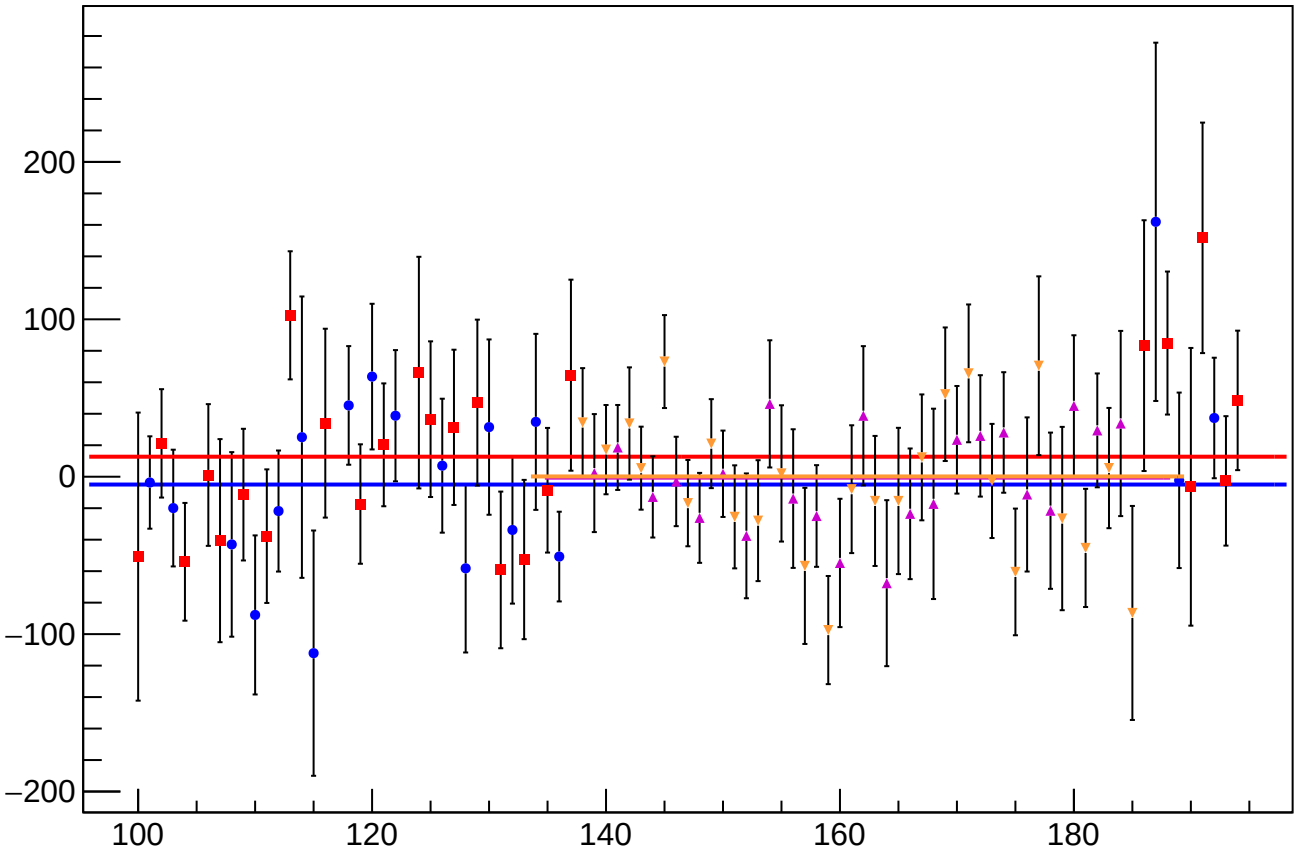
Right Out: 5086.911+/-1.237 χ^2/NDF: 3640410.1/24

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5609.041+/-0.814 χ^2/NDF: 6869381.2/43

All: 5269.979+/-0.546 χ^2/NDF: 16769558.3/9

- sign 4993.255+/-0.736 χ^2/NDF: 9585387.4/47



Right In: -4.967+/-10.208 χ^2/NDF: 18.9/18

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: 12.718+/-9.579 χ^2/NDF: 25.7/24

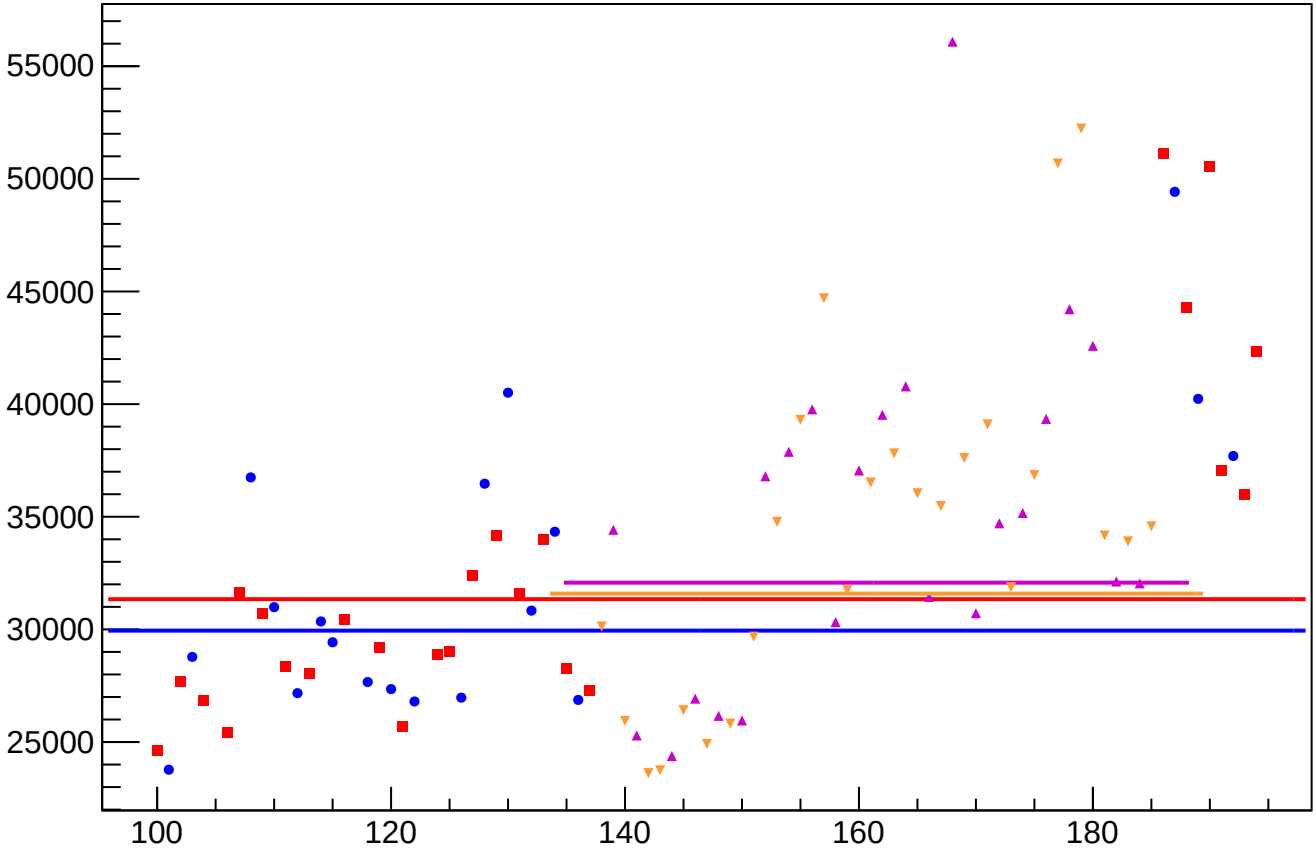
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -1.593+/-5.978 χ^2/NDF: 50.2/43

All: 1.503+/-4.230 χ^2/NDF: 90.4/91

- sign 4.608+/-5.986 χ^2/NDF: 39.7/47

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: 31342.184+/-6.774 χ^2/NDF: 749299.8/24

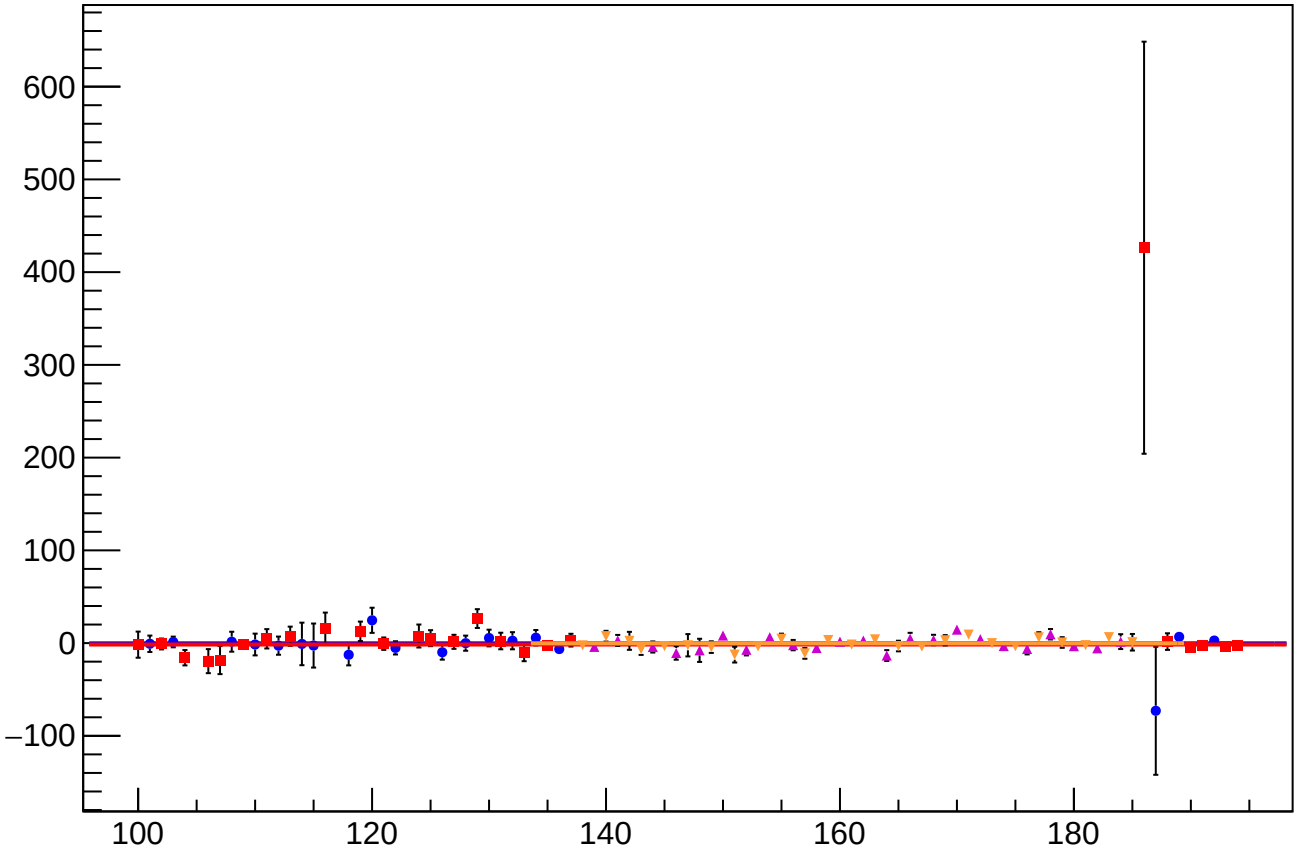
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 31025.951+/-4.227 χ^2/NDF: 2135331.7/43

All: 31406.924+/-2.991 χ^2/NDF: 4363750.0/9

- sign 31788.916+/-4.233 χ^2/NDF: 2212150.2/47

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: -1.532+/-1.291 χ^2/NDF: 25.5/24

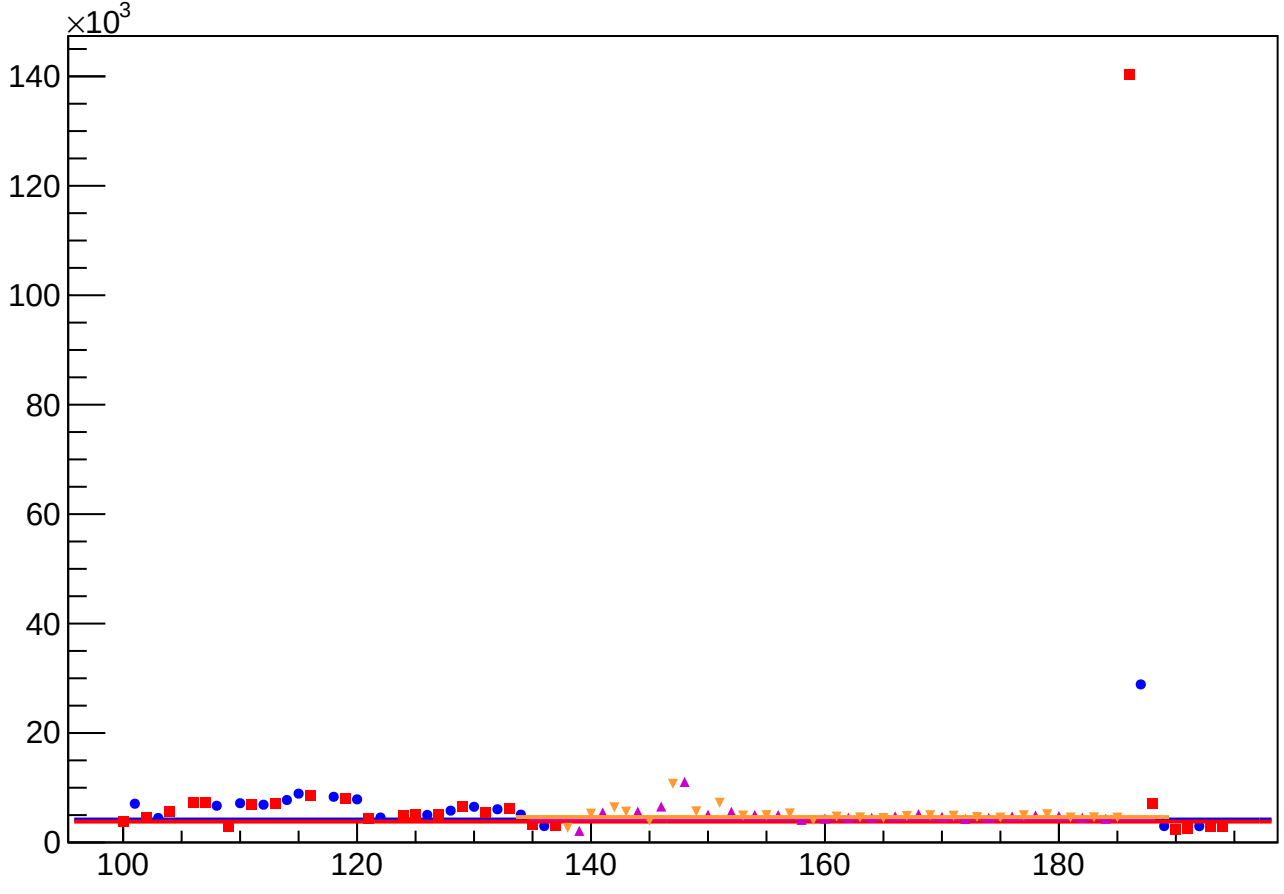
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.233+/-0.891 χ^2/NDF: 35.4/43

All: -0.696+/-0.603 χ^2/NDF: 95.4/91

- sign -1.088+/-0.819 χ^2/NDF: 59.5/47

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: 3813.777+/-0.913 χ^2/NDF: 3508948.7/24

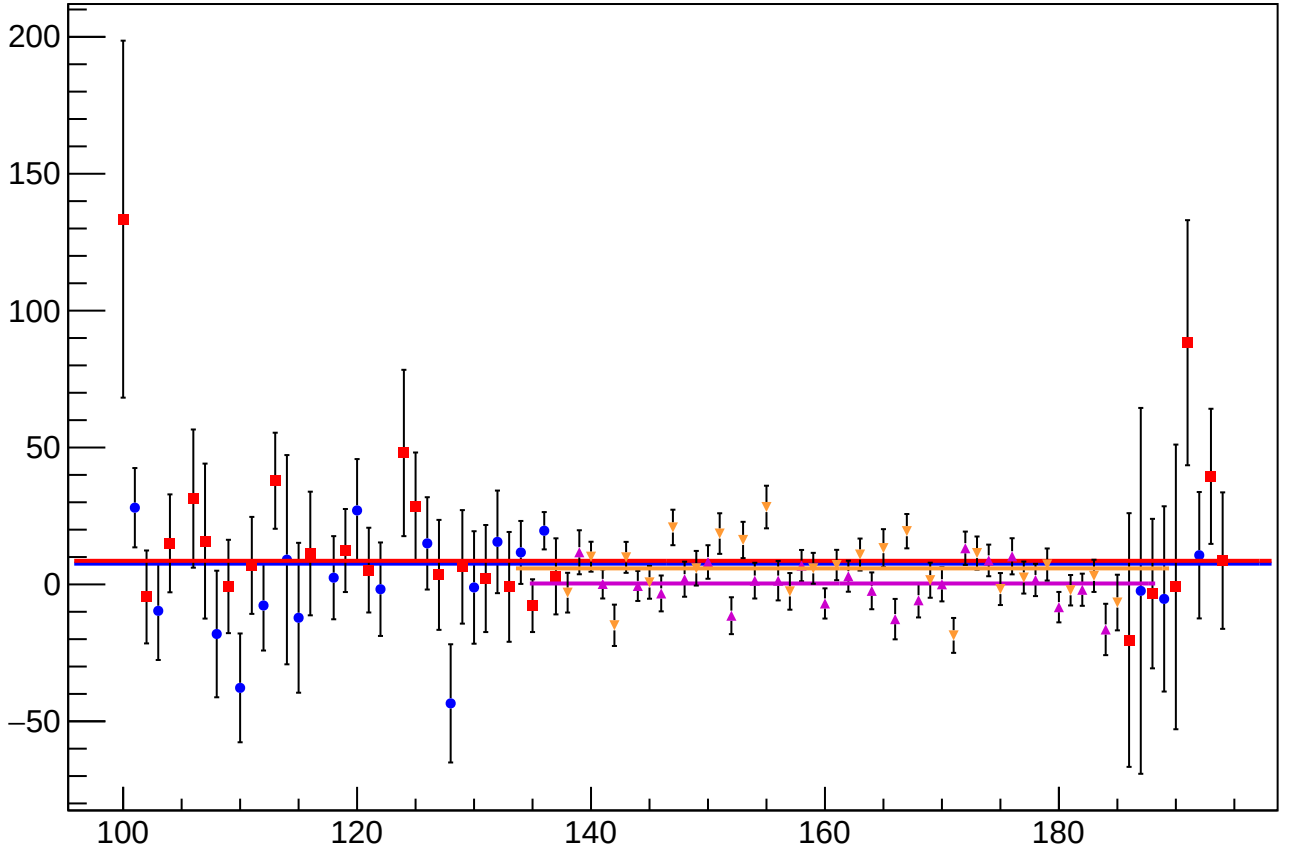
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4485.584+/-0.630 χ^2/NDF: 4353232.2/43

All: 4277.271+/-0.427 χ^2/NDF: 11325551.4/9

- sign 4101.084+/-0.579 χ^2/NDF: 6770554.8/47

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: 8.616+/-3.909 χ^2/NDF: 20.0/24

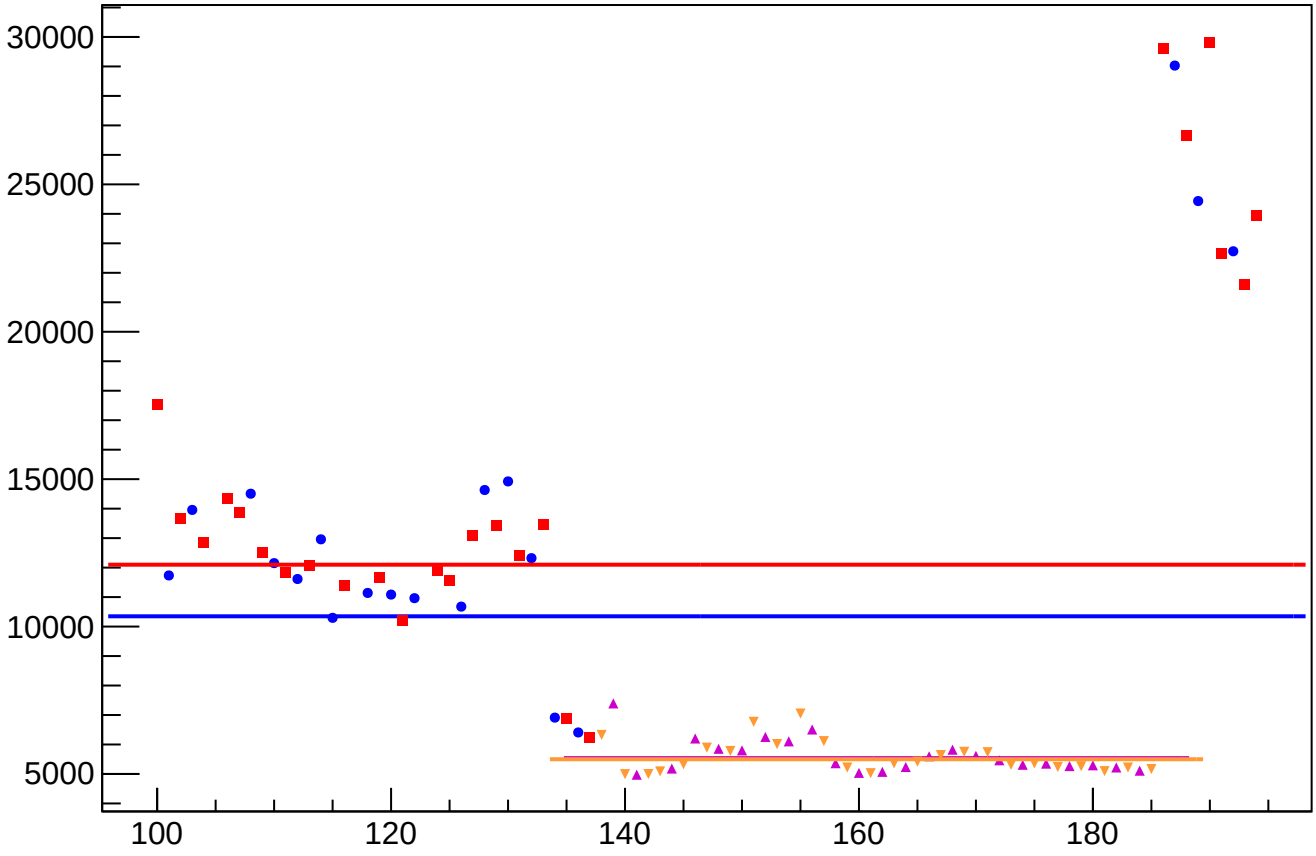
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.025+/-1.192 χ^2/NDF: 82.0/43

All: 3.679+/-0.857 χ^2/NDF: 143.4/91

- sign 1.162+/-1.234 χ^2/NDF: 53.4/47

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: 12098.842+/-2.764 χ^2/NDF: 3003476.5/24

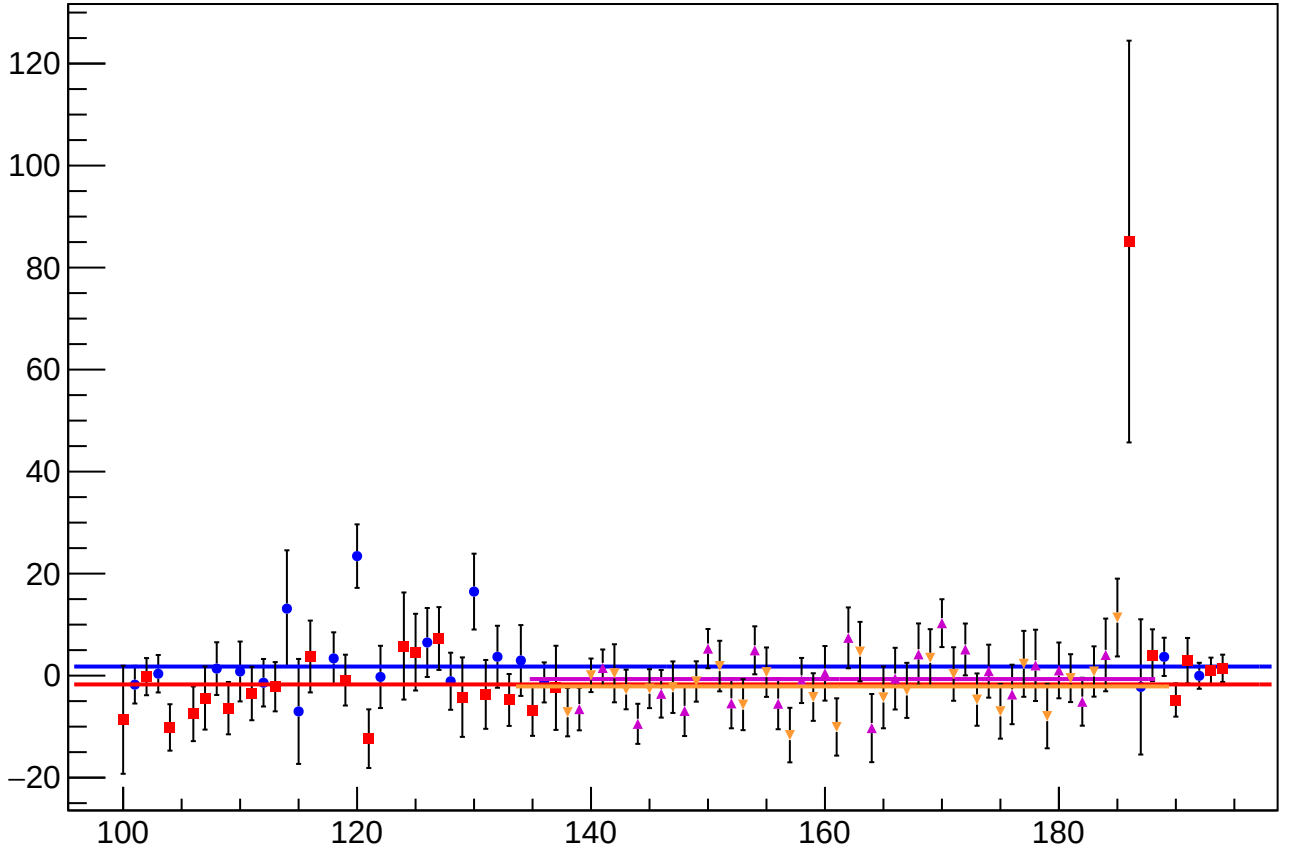
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 5991.781+/-0.843 χ^2/NDF: 5657119.6/43

All: 6088.309+/-0.606 χ^2/NDF: 14064184.9/9

- sign 6191.831+/-0.873 χ^2/NDF: 8379876.1/47

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: -1.725+/-0.970 χ^2/NDF: 26.0/24

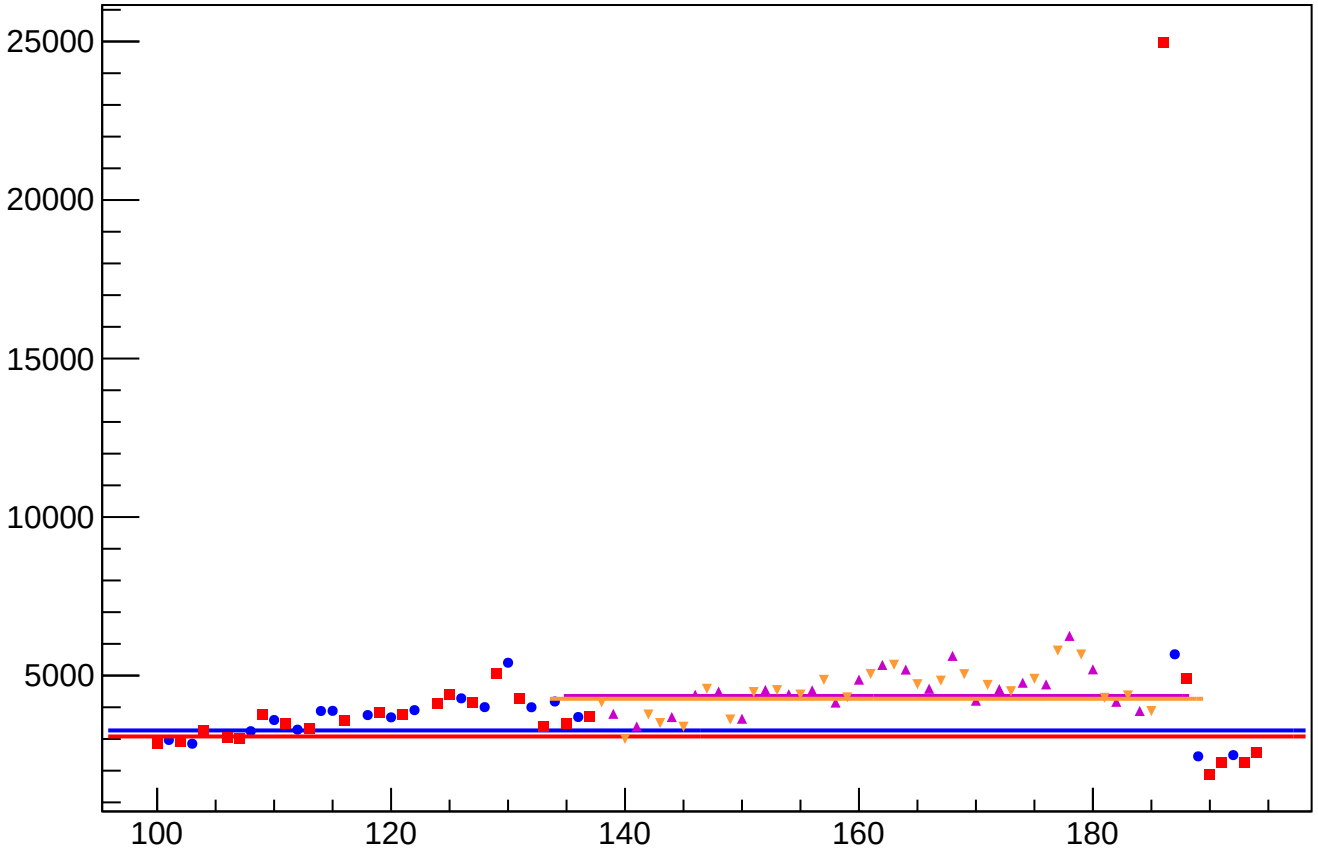
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -0.429+/-0.743 χ^2/NDF: 46.1/43

All: -0.850+/-0.512 χ^2/NDF: 101.6/91

- sign -1.230+/-0.707 χ^2/NDF: 54.9/47

diff_bpm16Y_rms vs Slug



Right In: 3268.995+/-0.799 χ^2/NDF: 785555.8/18

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 3078.917+/-0.686 χ^2/NDF: 2022870.3/24

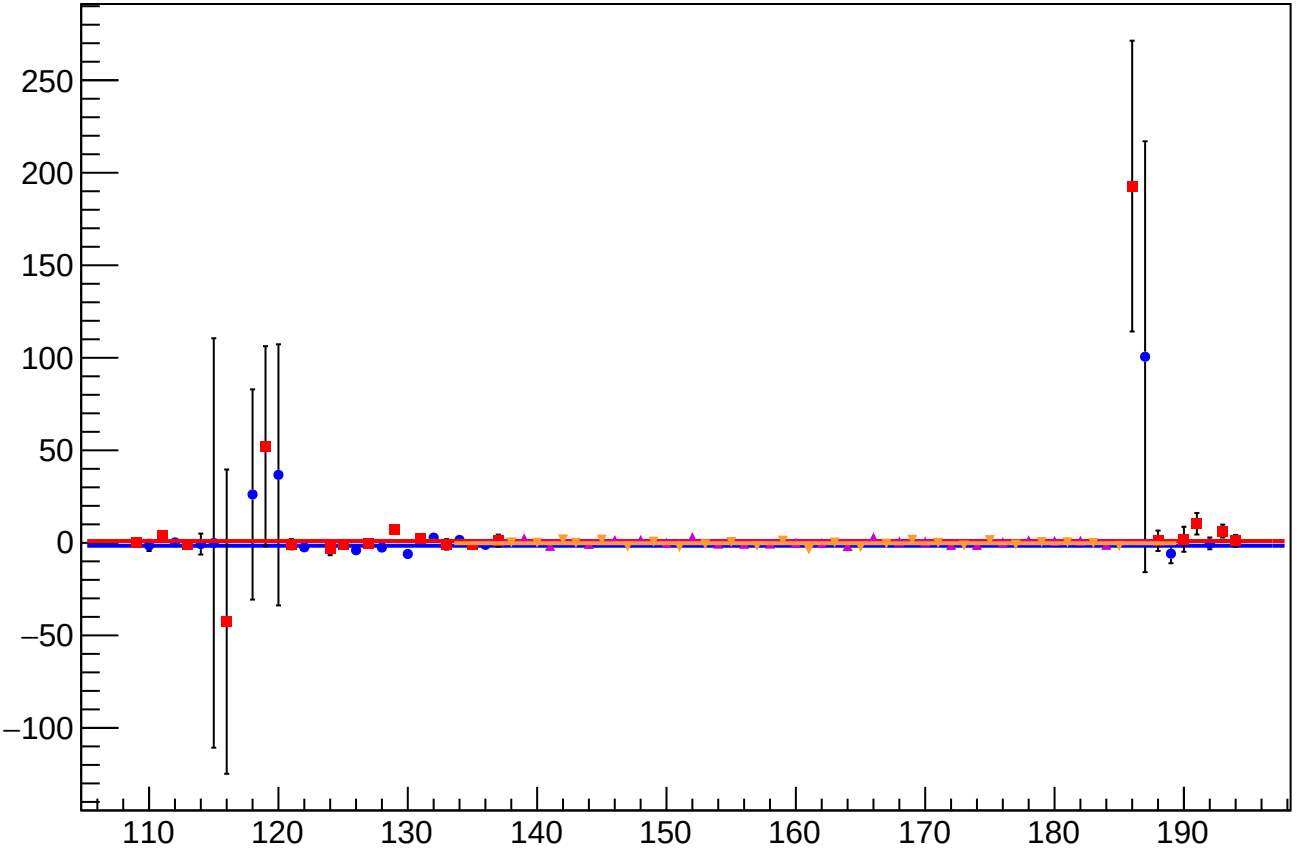
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3835.285+/-0.526 χ^2/NDF: 2706176.2/43

All: 3753.053+/-0.362 χ^2/NDF: 7145811.1/91

- sign 3678.782+/-0.500 χ^2/NDF: 4393068.1/47

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: 0.987+/-0.673 χ^2/NDF: 23.9/19

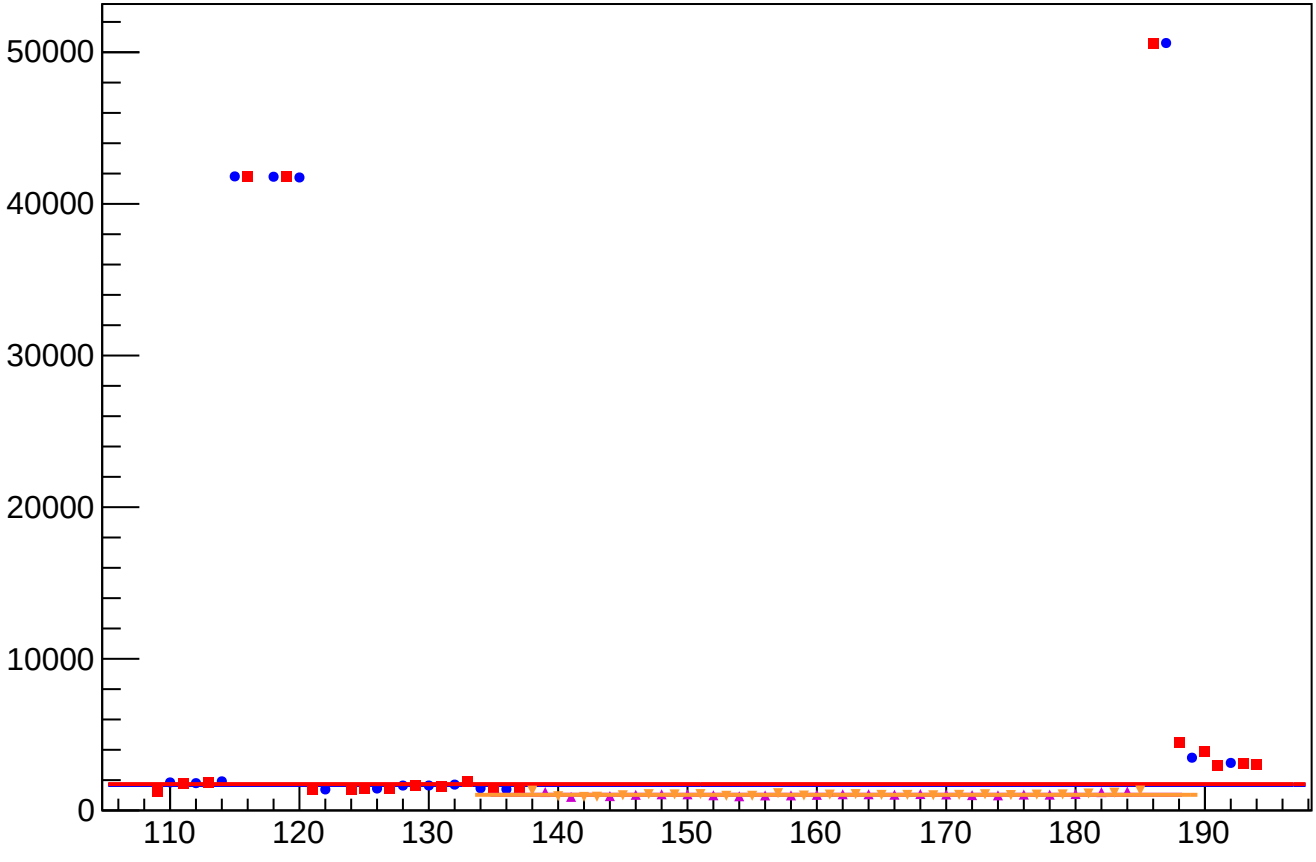
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.336+/-0.223 χ^2/NDF: 49.9/40

All: 0.029+/-0.160 χ^2/NDF: 109.5/83

- sign 0.408+/-0.228 χ^2/NDF: 54.1/42

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: 1738.449+/-0.476 χ^2/NDF: 4093808.8/19

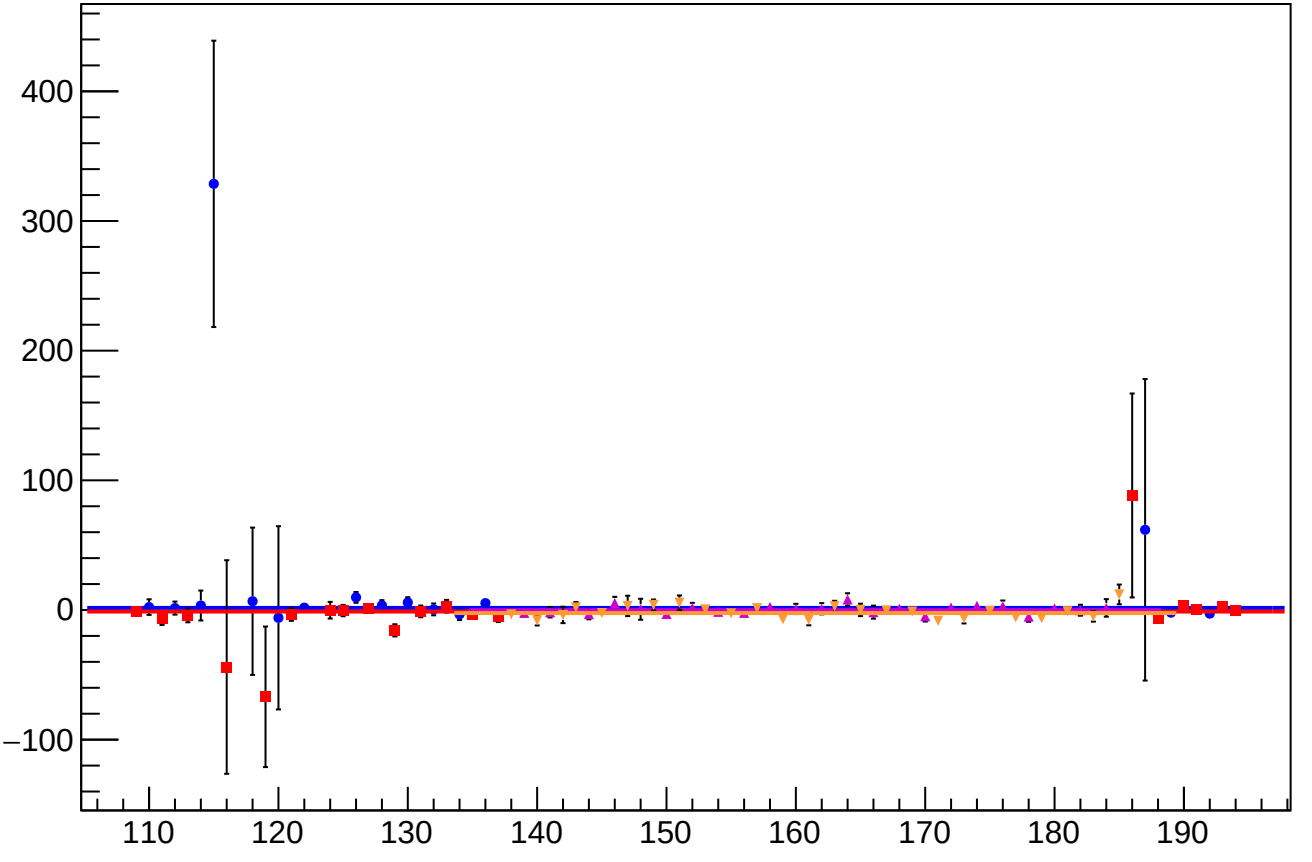
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1096.115+/-0.158 χ^2/NDF: 4833028.8/40

All: 1104.702+/-0.113 χ^2/NDF: 11067606.2/8

- sign 1113.631+/-0.161 χ^2/NDF: 6228552.2/42

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: -1.198+/-0.871 χ^2/NDF: 23.4/19

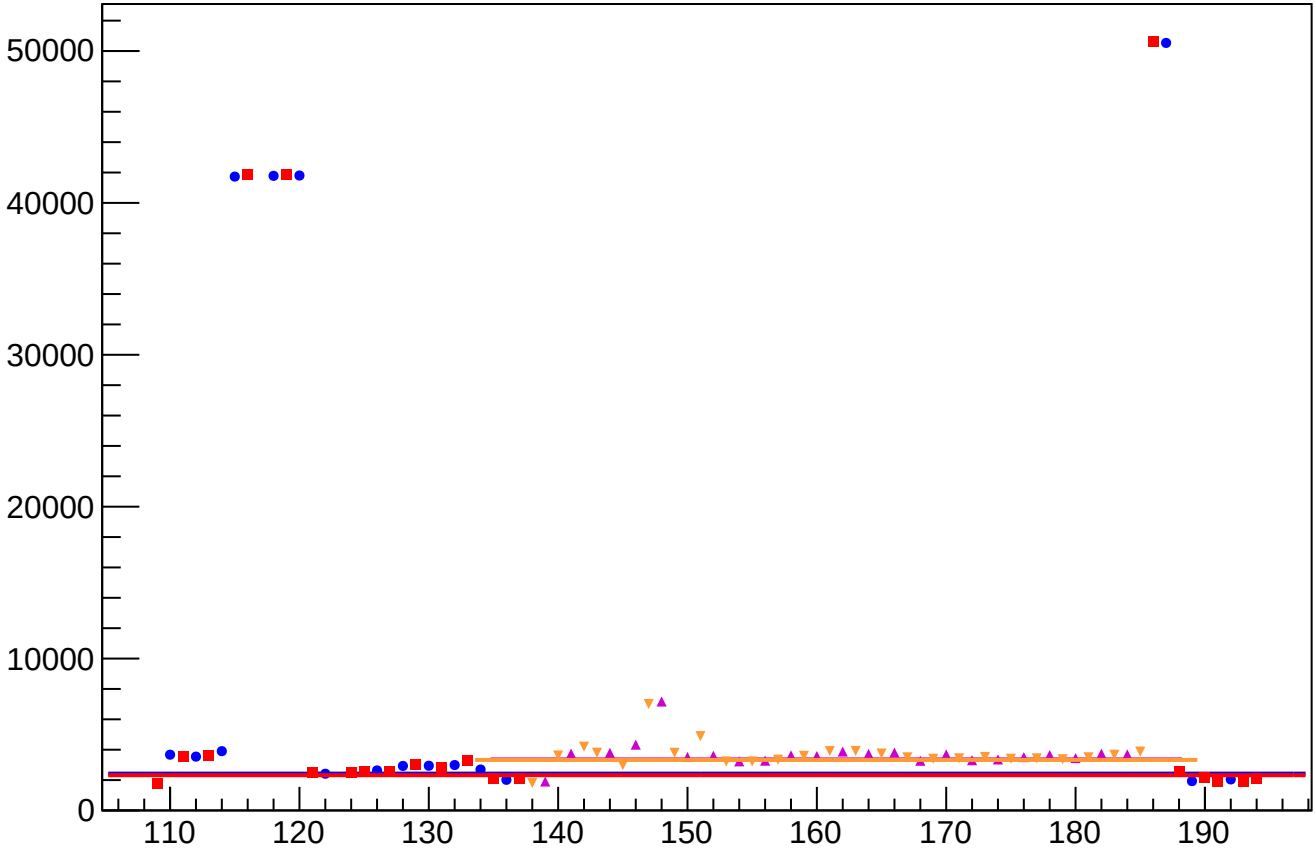
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.890+/-0.618 χ^2/NDF: 58.3/40

All: -0.764+/-0.428 χ^2/NDF: 95.2/83

- sign -0.647+/-0.593 χ^2/NDF: 36.8/42

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: 2320.168+/-0.616 χ^2/NDF: 2890680.5/19

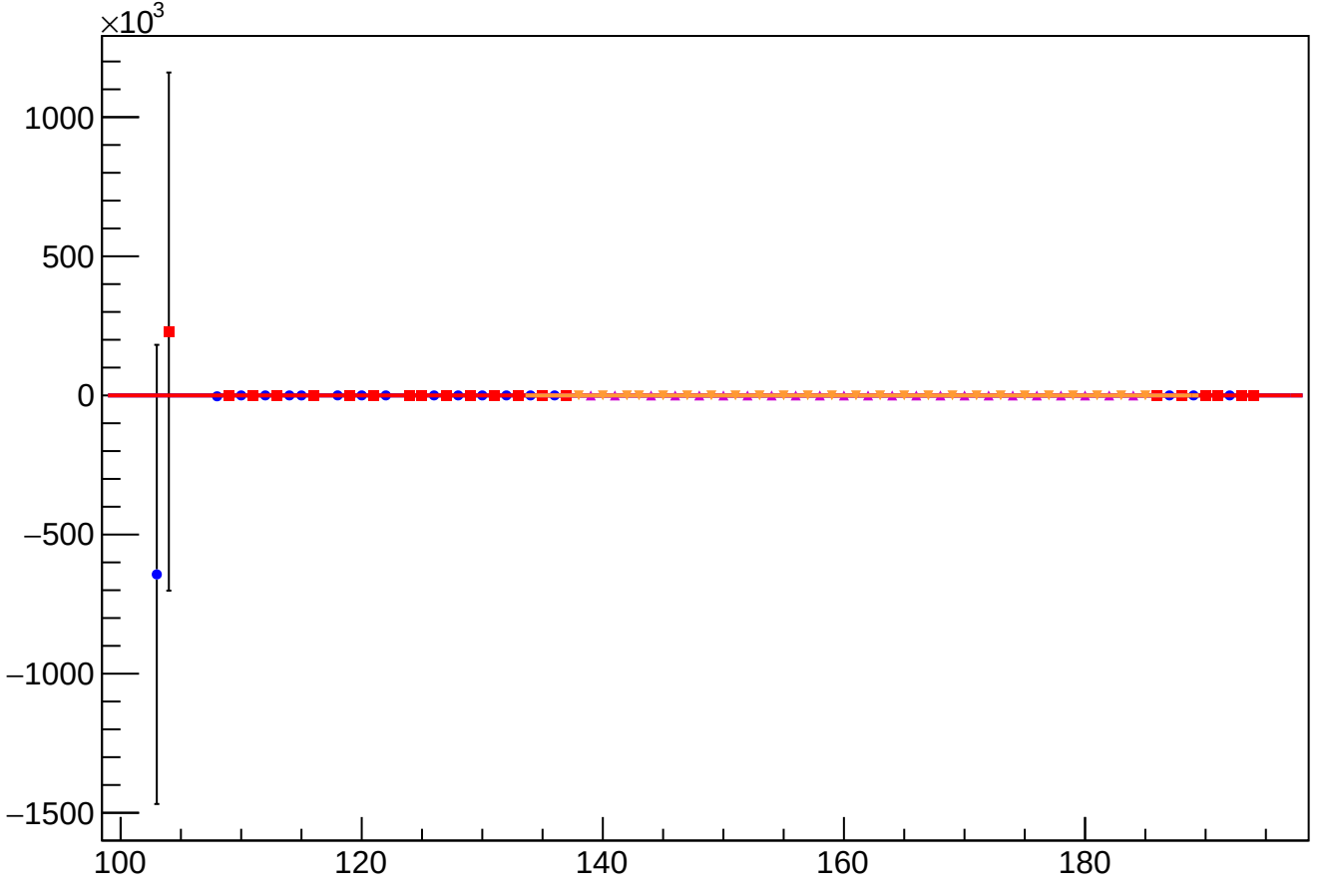
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2989.894+/-0.437 χ^2/NDF: 5609304.5/40

All: 2931.845+/-0.303 χ^2/NDF: 11714705.4/8

- sign 2878.469+/-0.419 χ^2/NDF: 6071576.3/42

diff_bpm1p03aX_mean vs Slug



Right In: -1.255+/-0.925 χ^2/NDF: 18.9/17

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -2.508+/-0.851 χ^2/NDF: 21.6/20

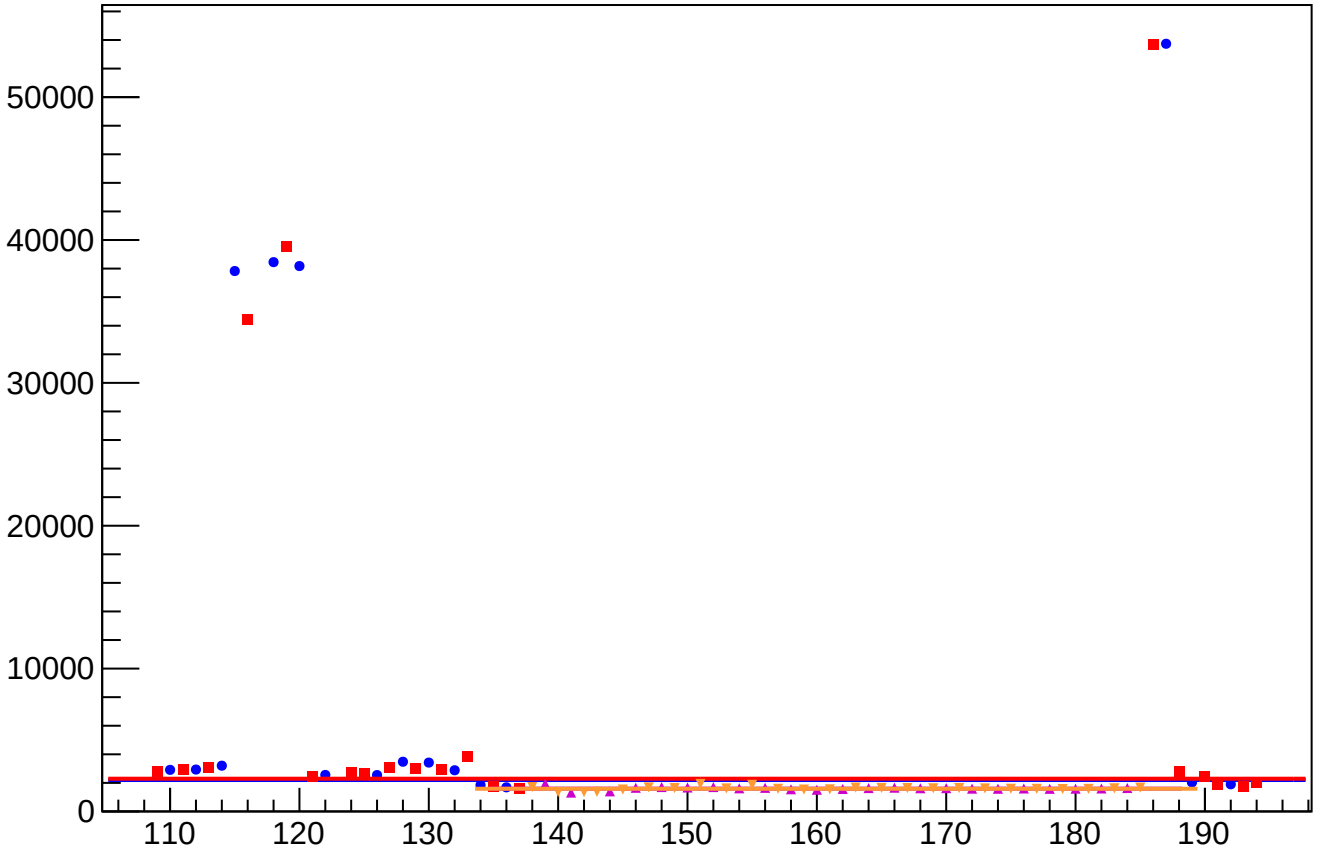
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.530+/-0.338 χ^2/NDF: 69.3/42

All: -0.969+/-0.241 χ^2/NDF: 131.1/86

- sign -0.392+/-0.343 χ^2/NDF: 56.3/43

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: 2292.478+/-0.602 χ^2/NDF: 3136539.7/19

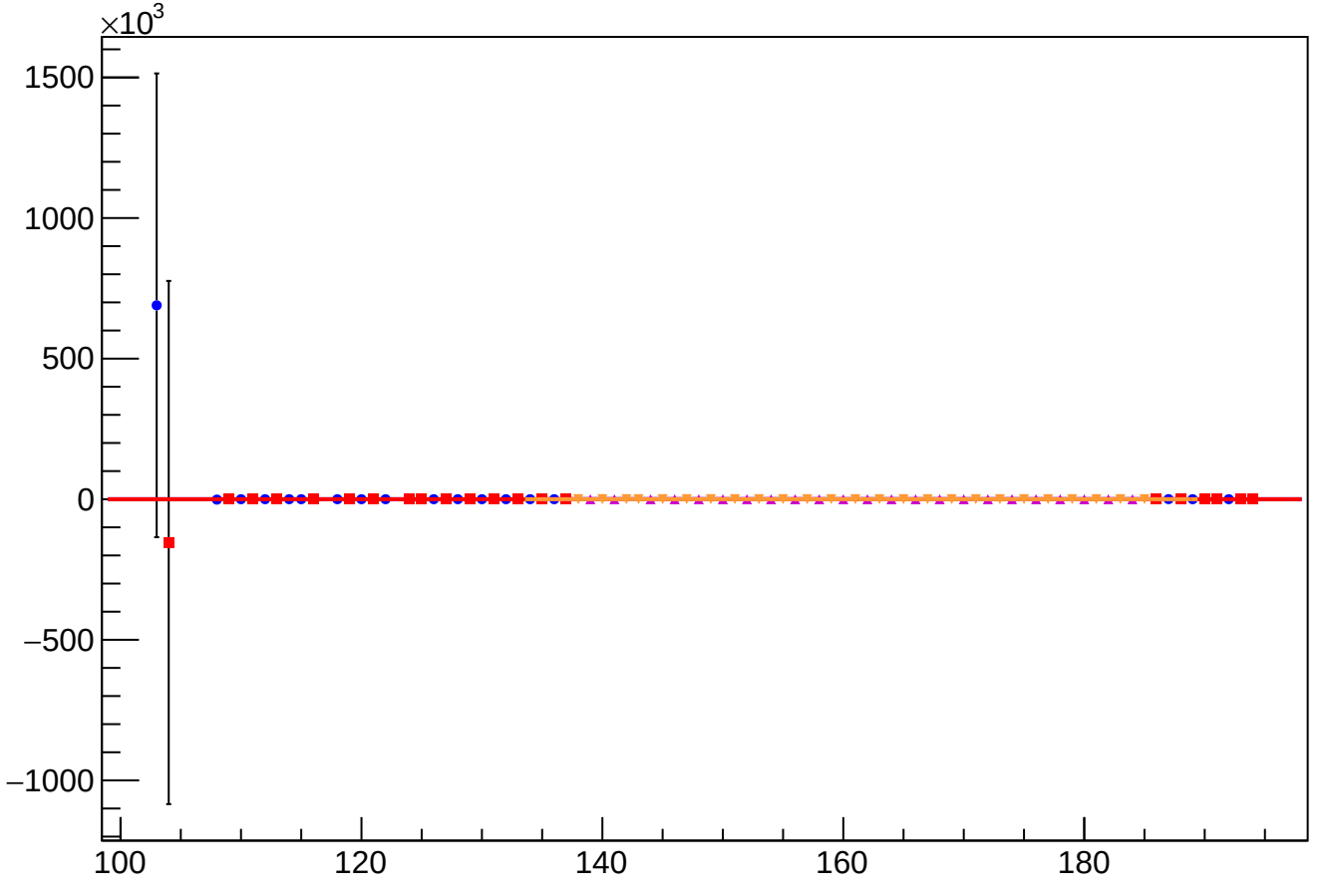
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1670.907+/-0.239 χ^2/NDF: 3873366.3/40

All: 1689.688+/-0.170 χ^2/NDF: 8340024.7/83

- sign 1709.019+/-0.242 χ^2/NDF: 4454117.0/42

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: -0.475+/-0.726 χ^2/NDF: 24.4/20

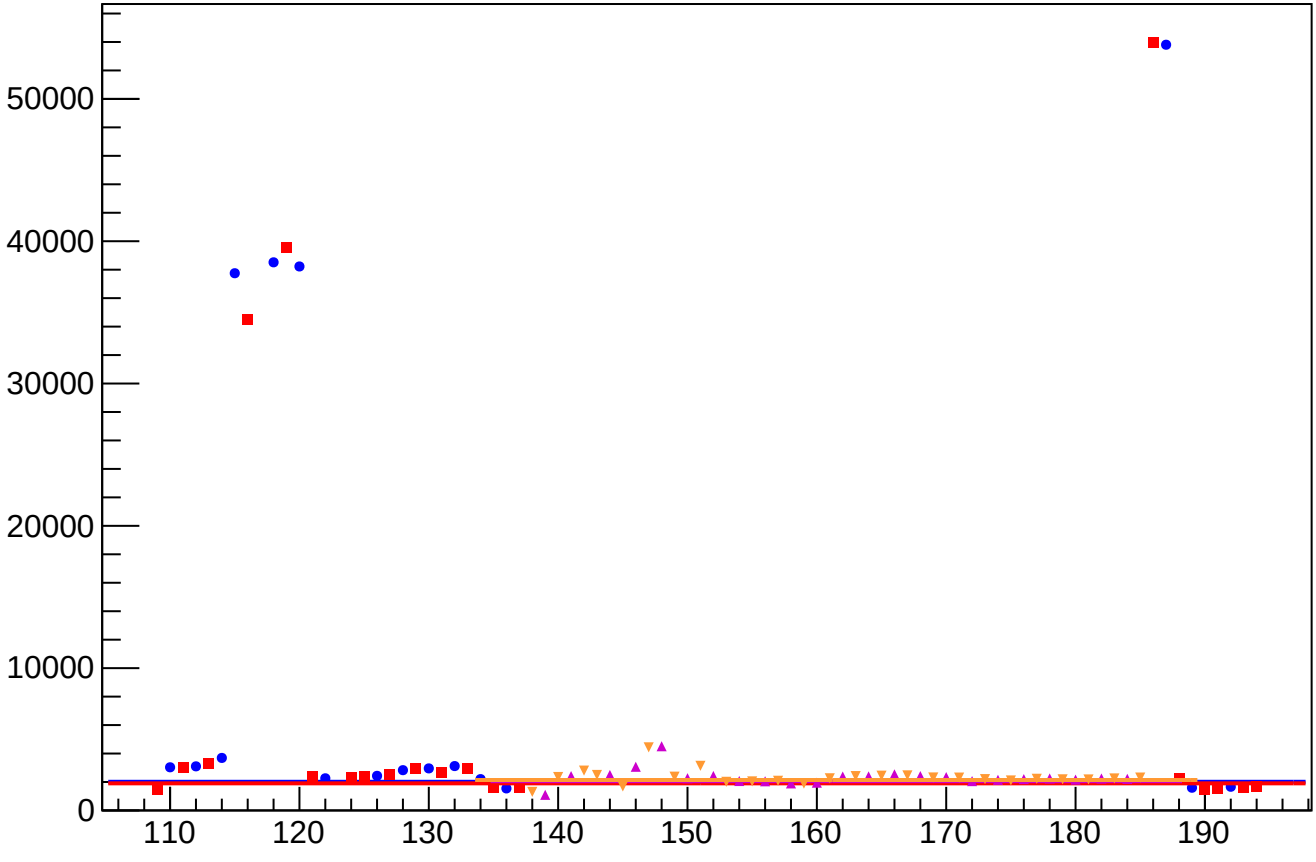
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.747+/-0.433 χ^2/NDF: 39.8/42

All: -0.392+/-0.299 χ^2/NDF: 82.8/86

- sign -0.069+/-0.412 χ^2/NDF: 41.7/43

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: 1905.271+/-0.513 χ^2/NDF: 3313999.6/19

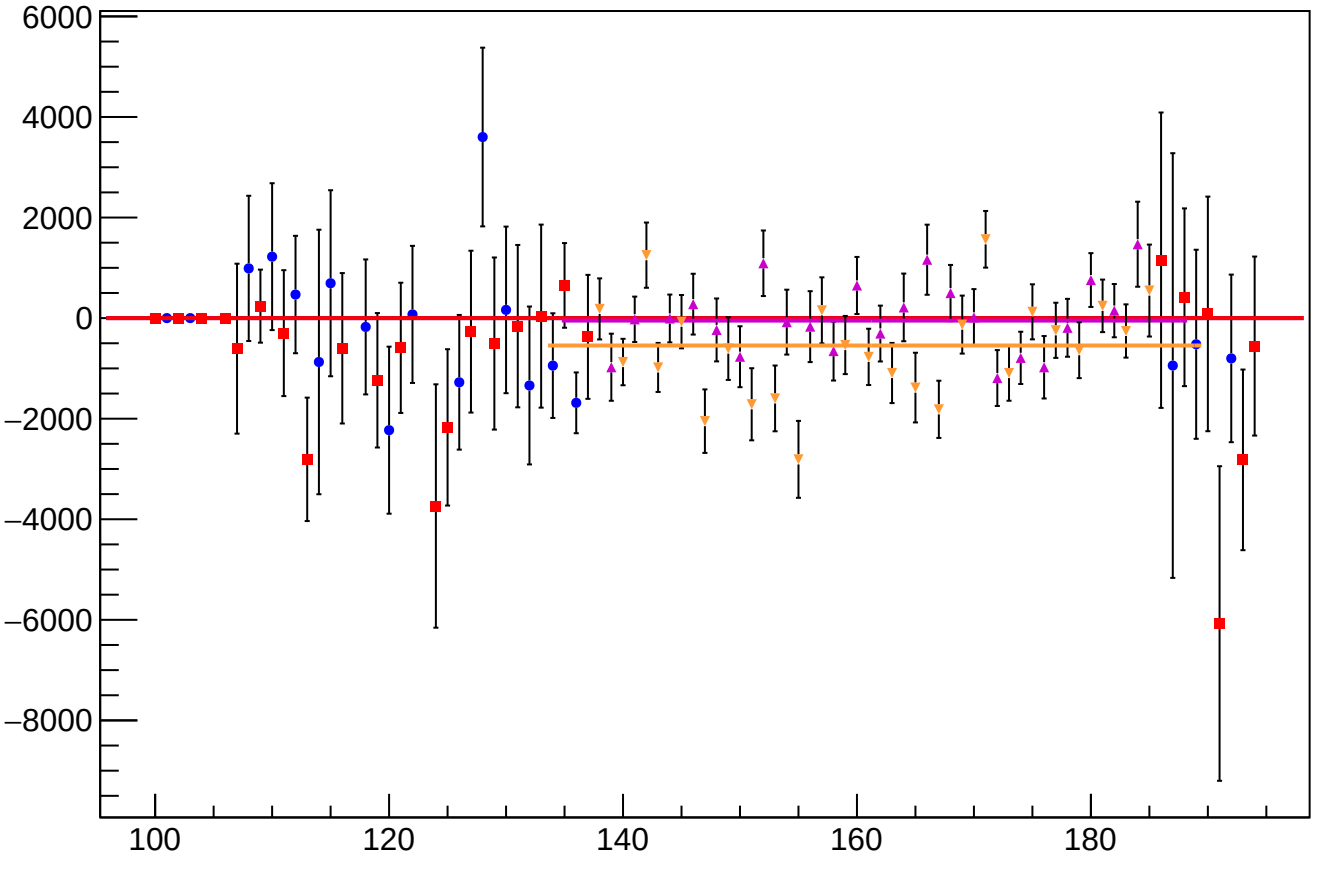
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2107.128+/-0.306 χ^2/NDF: 4601679.4/40

All: 2055.587+/-0.211 χ^2/NDF: 10323379.9/8

- sign 2008.848+/-0.292 χ^2/NDF: 5667705.9/42

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

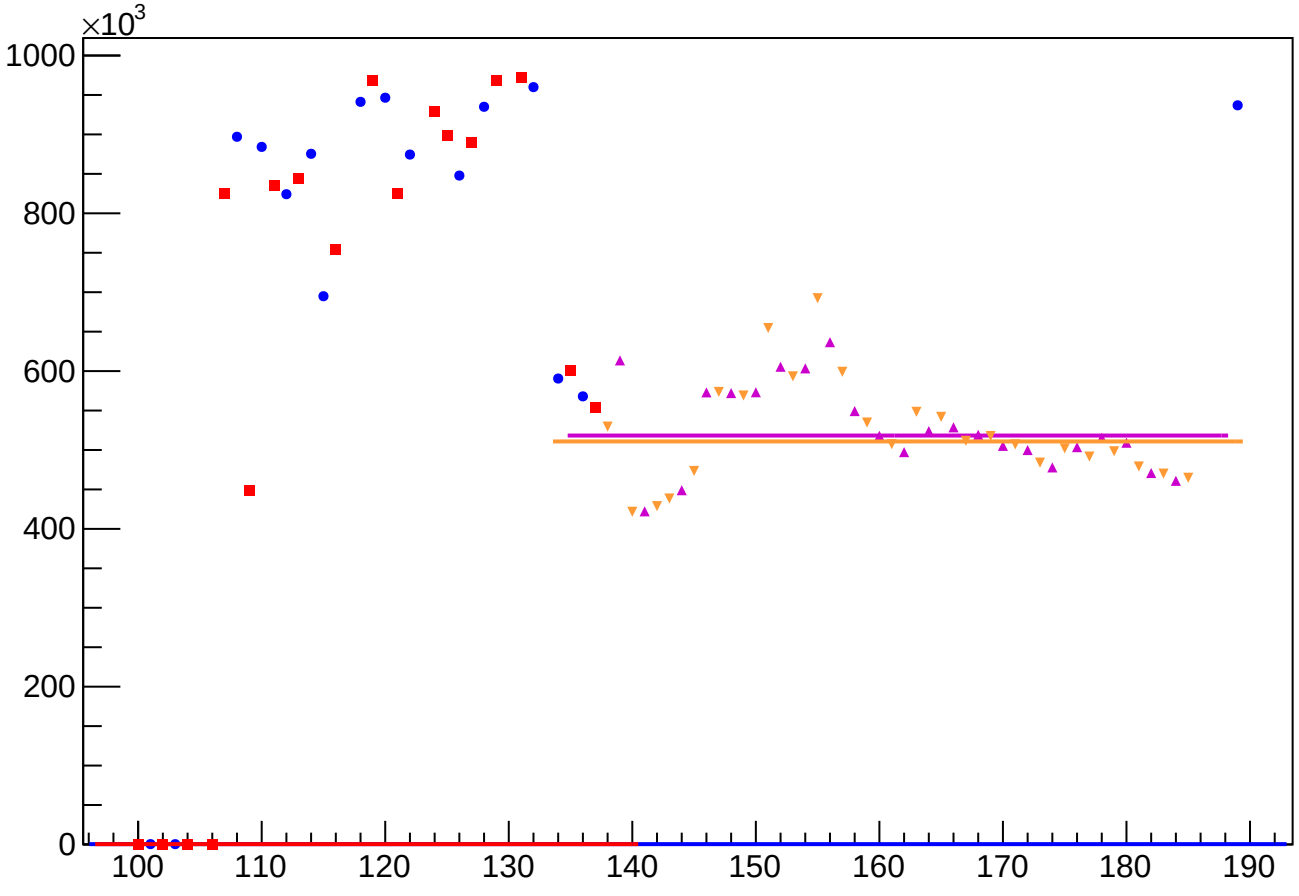
Right Out: 0.096+/-0.328 χ^2/NDF: 22.0/24

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: 150.8/91

- sign 0.095+/-0.328 χ^2/NDF: 50.1/47



Right In: 398.894+/-0.251 χ^2/NDF: 8685185.3/15

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

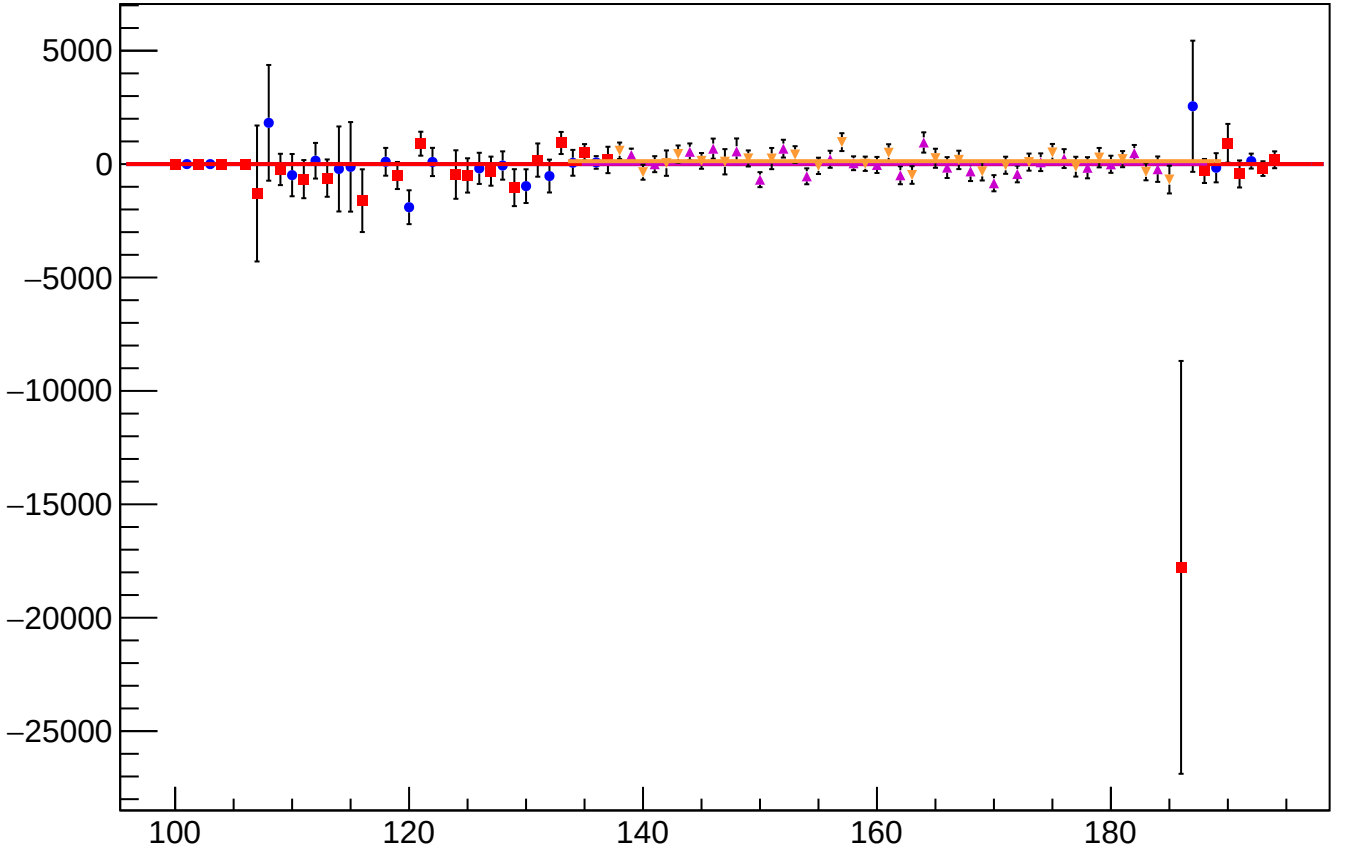
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.598+/-0.251 χ^2/NDF: 47157011.5/40

All: 400.021+/-0.170 χ^2/NDF: 91289762.7/81

- sign 396.983+/-0.232 χ^2/NDF: 44132377.0/40

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 11.5/18

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: 0.599+/-0.324 χ^2/NDF: 21.5/24

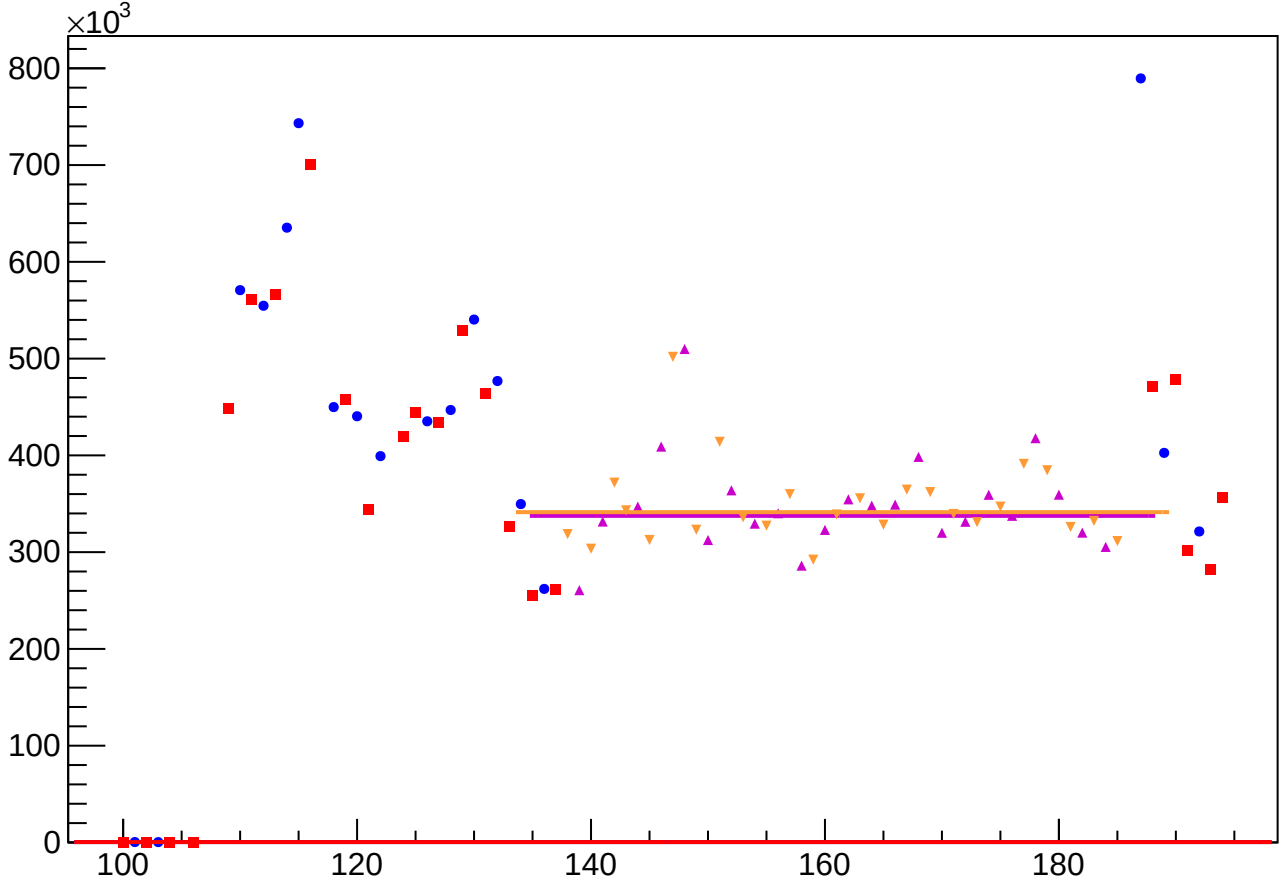
Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.018+/-0.347 χ^2/NDF: 34.3/43

All: 0.312+/-0.237 χ^2/NDF: 91.2/91

- sign 0.599+/-0.324 χ^2/NDF: 55.2/47

diff_cav4bY_rms vs Slug



Right In: 390.748+/-0.245 χ^2/NDF: 13823153.1/17

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 388.866+/-0.229 χ^2/NDF: 17100786.6/22

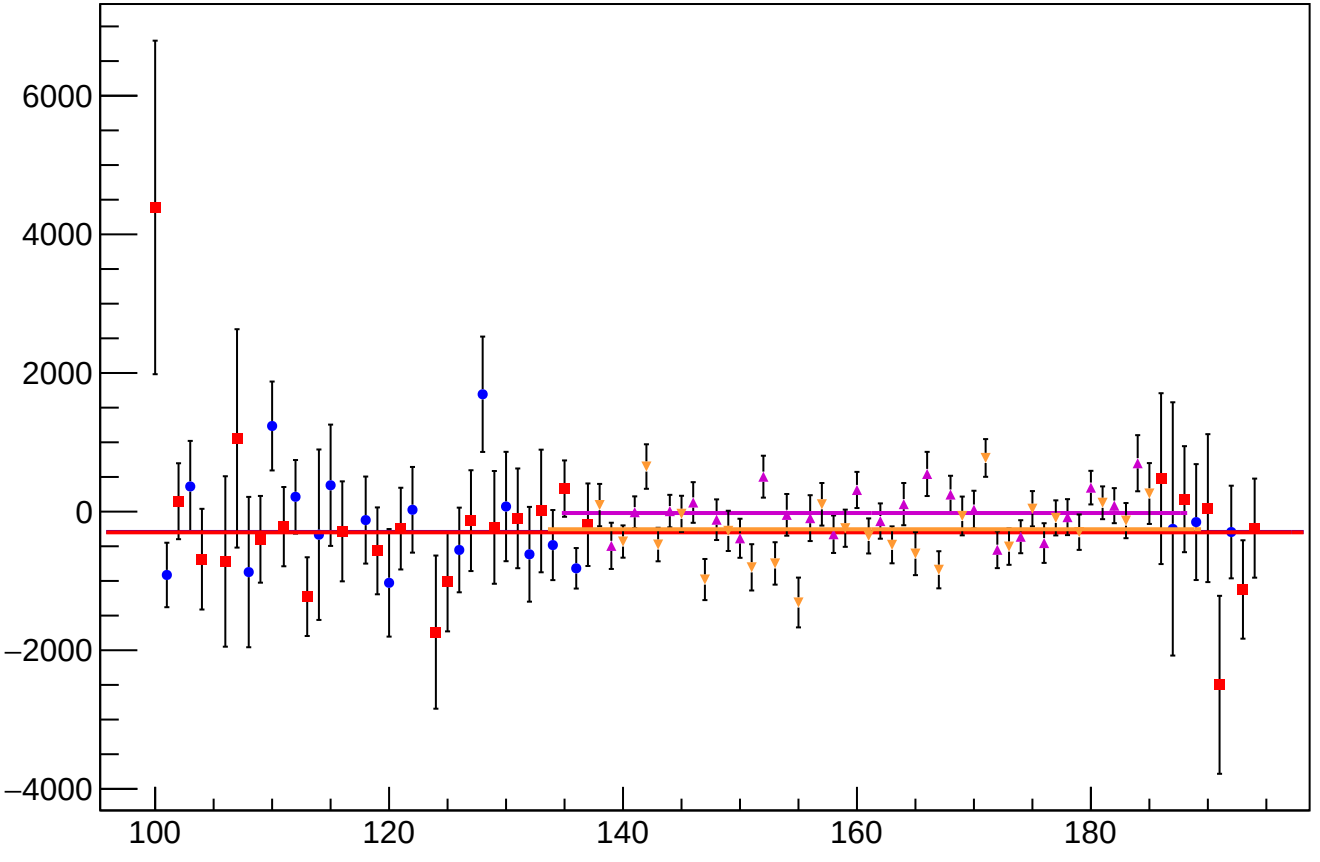
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 397.457+/-0.245 χ^2/NDF: 52193958.4/42

All: 395.833+/-0.167 χ^2/NDF: 105613834.0/8

- sign 394.420+/-0.229 χ^2/NDF: 53419793.8/45

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

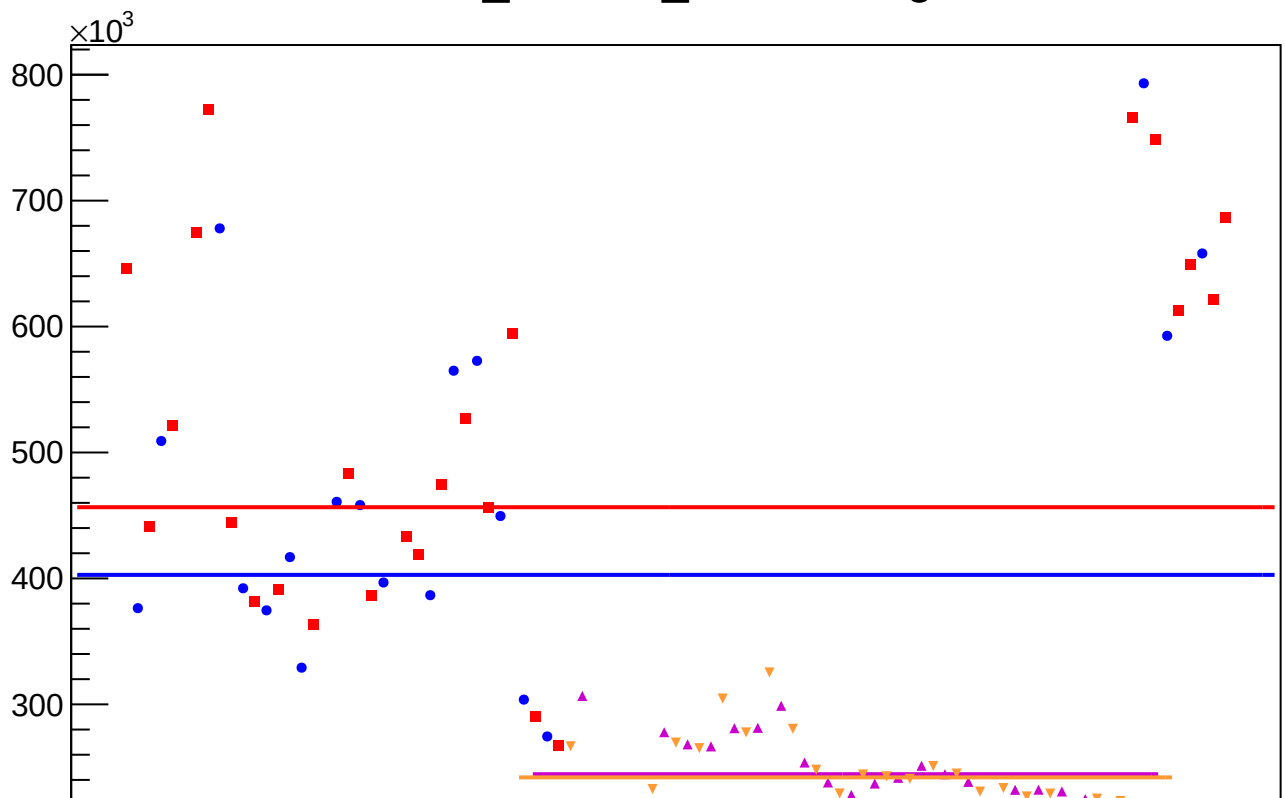
Right Out: -298.759+/-143.472 χ^2/NDF: 19.1/24

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -259.592+/-51.596 χ^2/NDF: 82.6/43

All: -162.526+/-37.092 χ^2/NDF: 140.8/91

- sign -58.711+/-53.360 χ^2/NDF: 50.9/47



Right In: 402816.663+/-100.001 χ^2/NDF: 1362651.8/18

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 456555.383+/-101.521 χ^2/NDF: 1716204.9/24

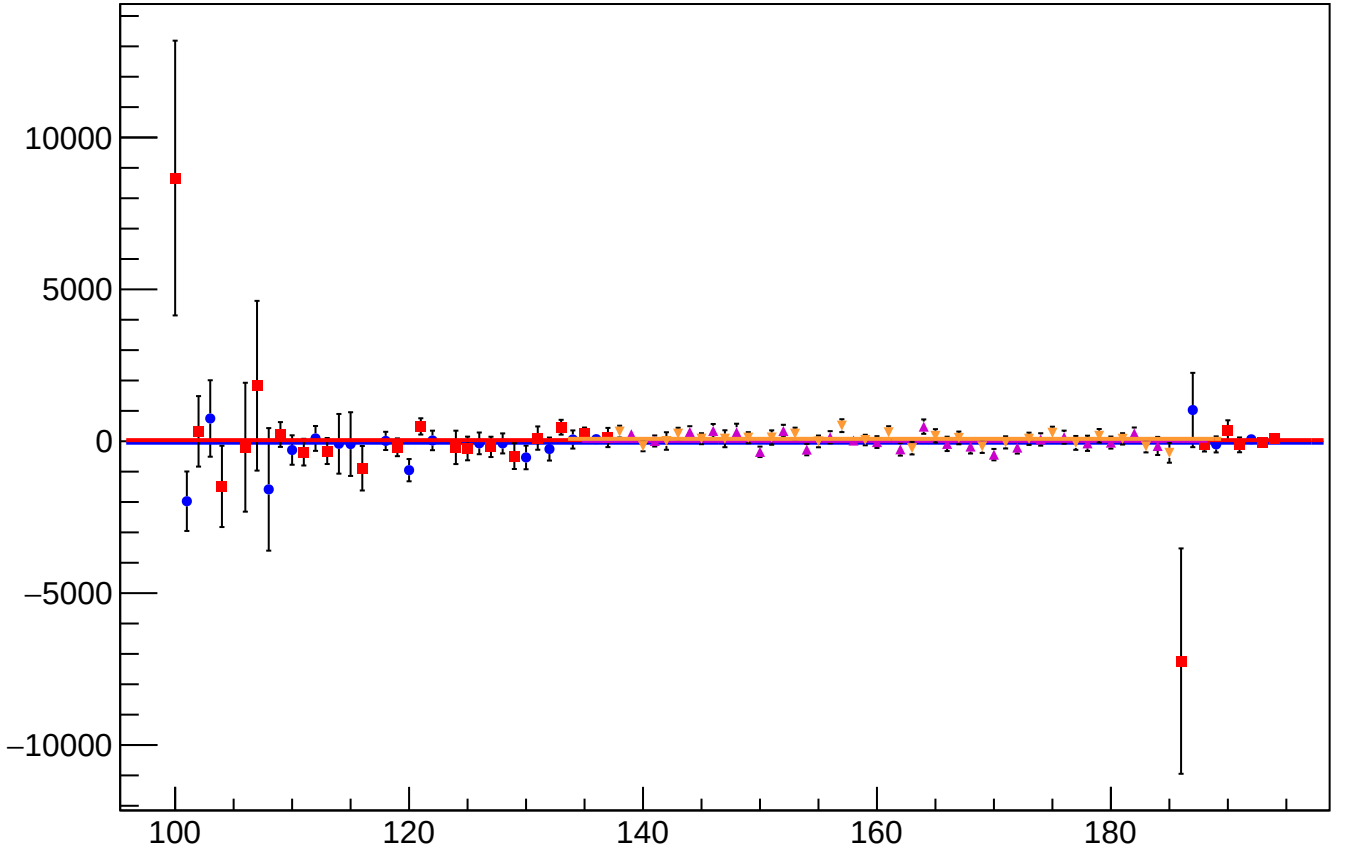
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 263414.260+/-36.485 χ^2/NDF: 4017546.7/43

All: 268448.638+/-26.230 χ^2/NDF: 9893389.

- sign 273833.923+/-37.735 χ^2/NDF: 5836435.5/47

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: 36.852+/-59.869 χ^2/NDF: 25.6/24

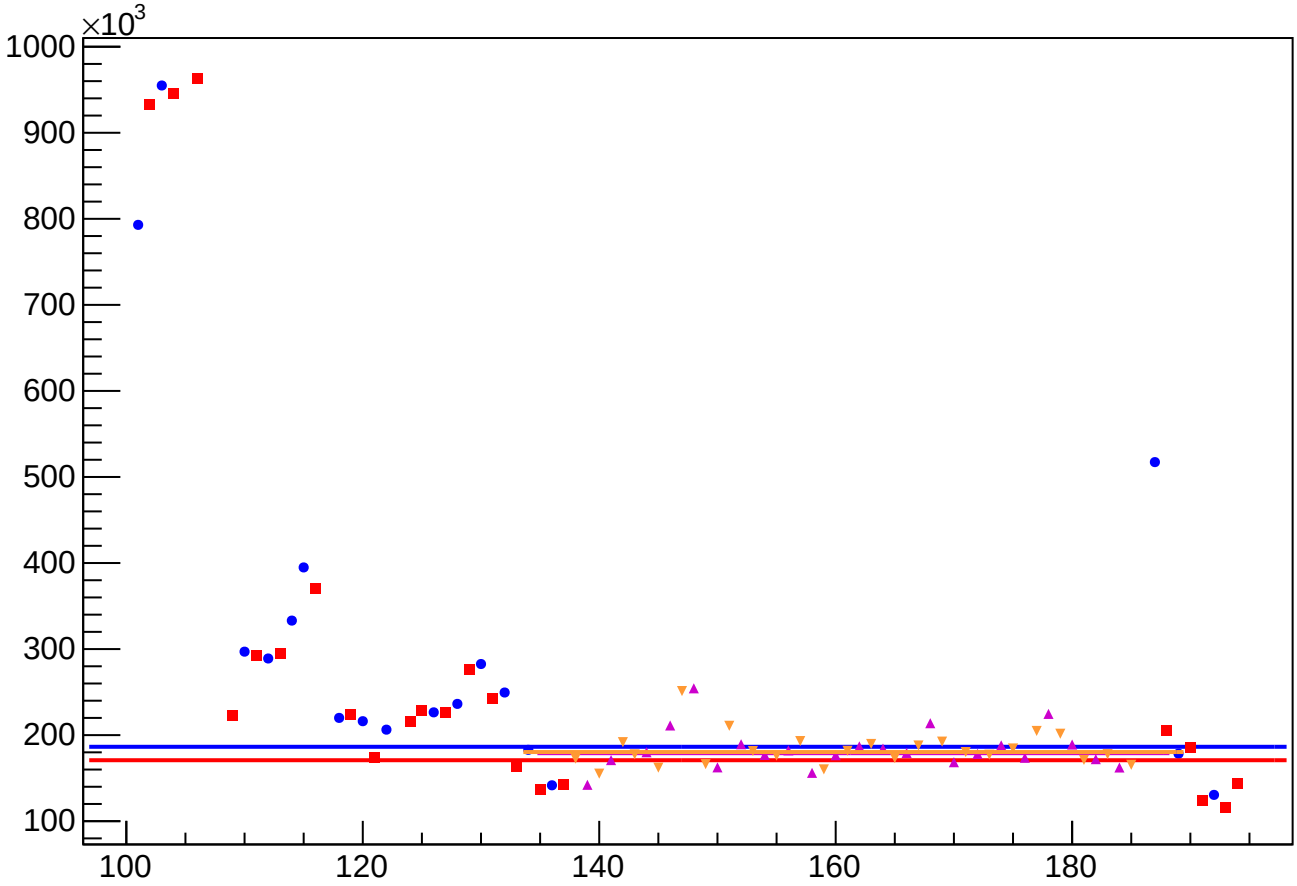
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 47.260+/-35.687 χ^2/NDF: 37.7/43

All: 34.008+/-24.808 χ^2/NDF: 96.8/91

- sign 21.614+/-34.511 χ^2/NDF: 58.8/47

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: 170832.650+/-42.389 χ^2/NDF: 2891839.9/21

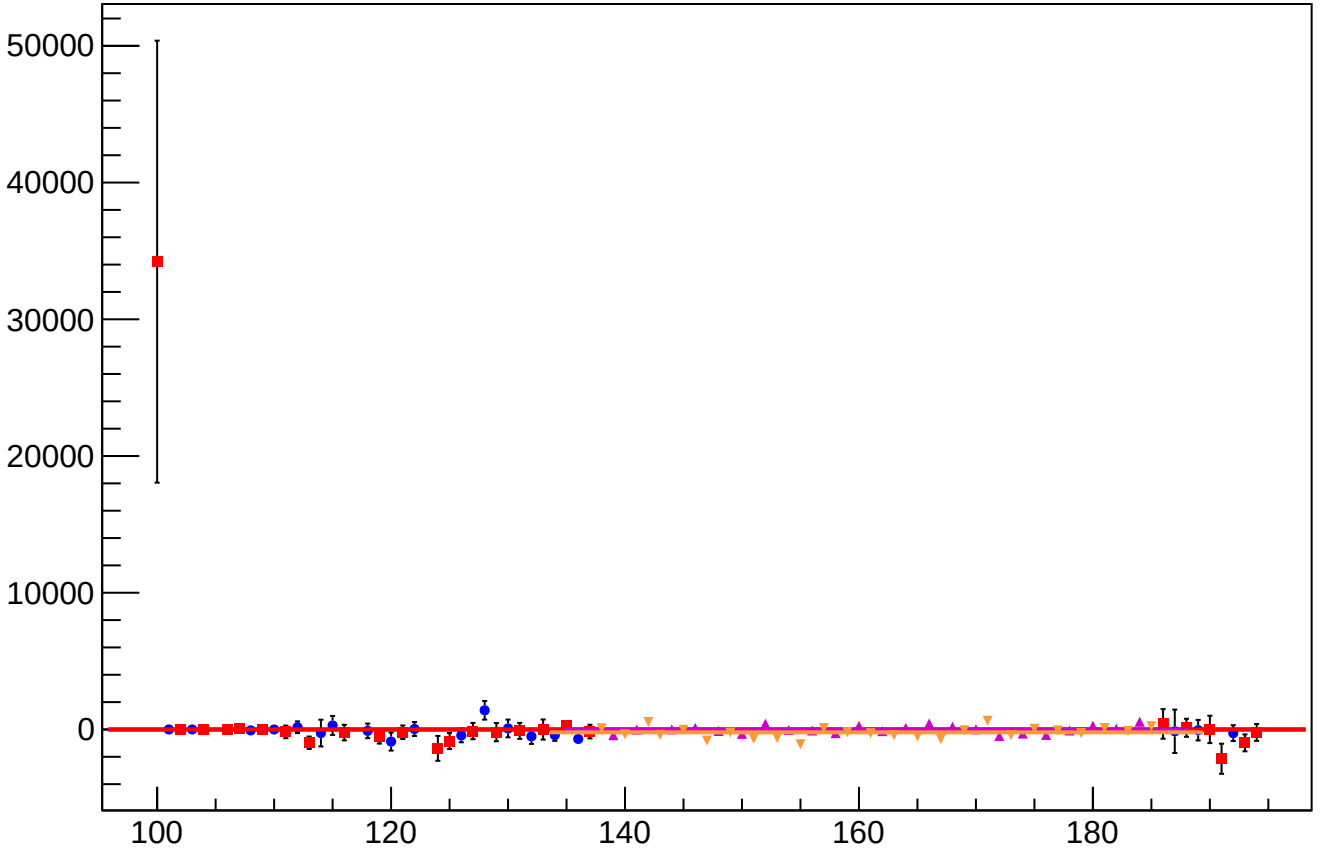
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 181886.250+/-25.242 χ^2/NDF: 2954438.0/42

All: 179003.587+/-17.548 χ^2/NDF: 6397878.

- sign 176307.032+/-24.413 χ^2/NDF: 3418198.3/44

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: 23.1/24

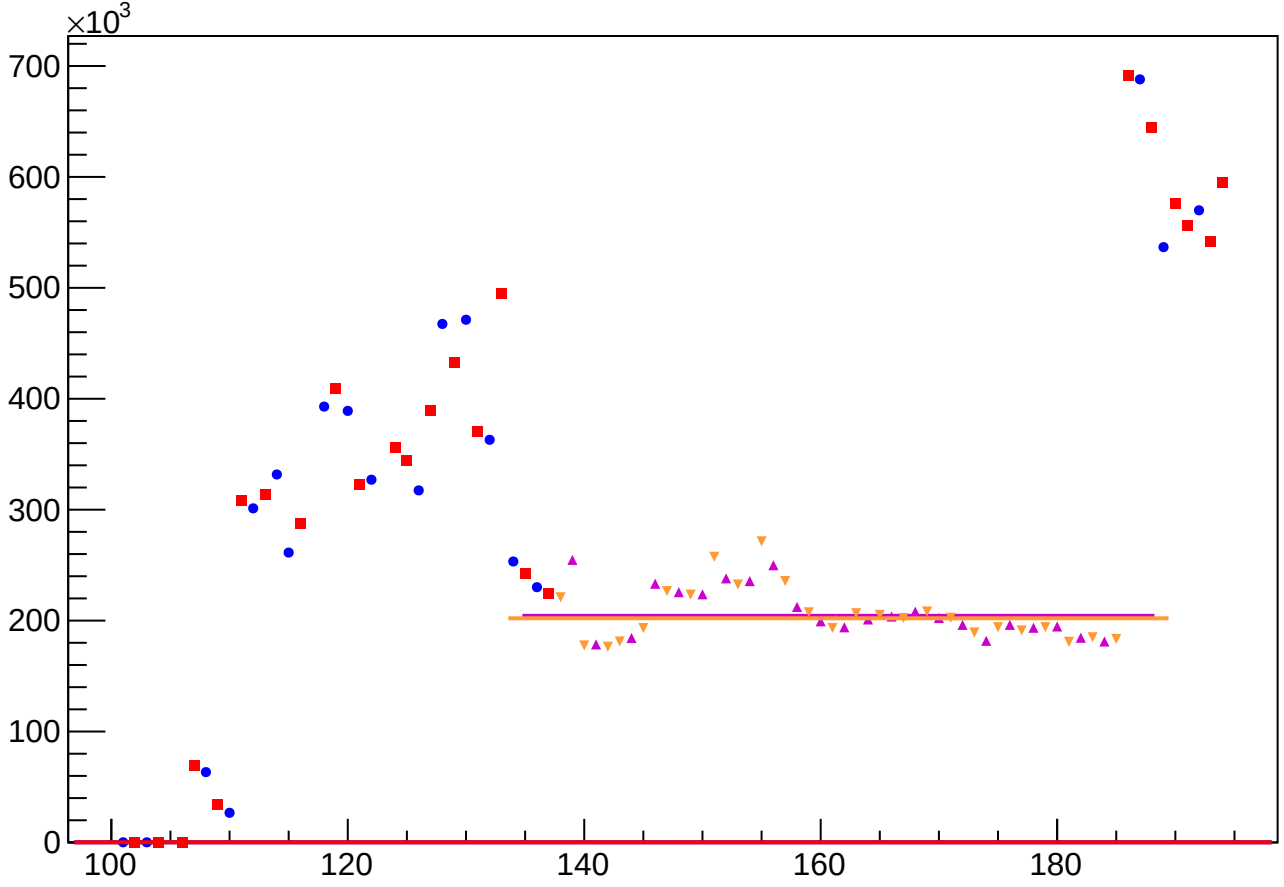
Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 100.2/43

All: -0.208+/-0.117 χ^2/NDF: 153.8/91

- sign -0.355+/-0.160 χ^2/NDF: 51.8/47

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

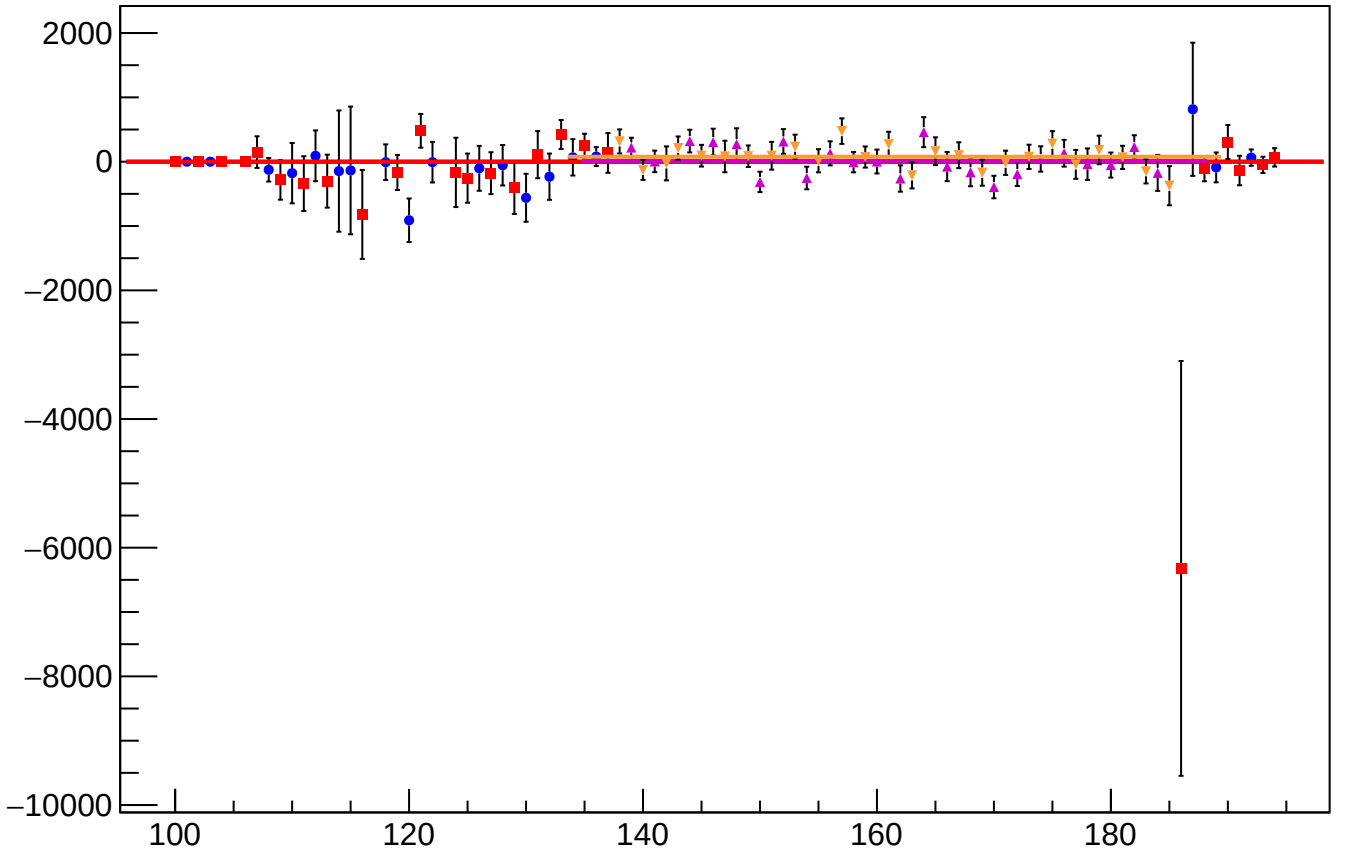
Right Out: 149.534+/-0.113 χ^2/NDF: 18563167.2/23

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 151.975+/-0.122 χ^2/NDF: 53134595.0/43

All: 151.883+/-0.083 χ^2/NDF: 108200489.8/9

- sign 151.803+/-0.113 χ^2/NDF: 55065893.7/46



Right In: -0.068+/-0.177 χ^2/NDF: 12.2/18

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: 0.126+/-0.166 χ^2/NDF: 21.5/24

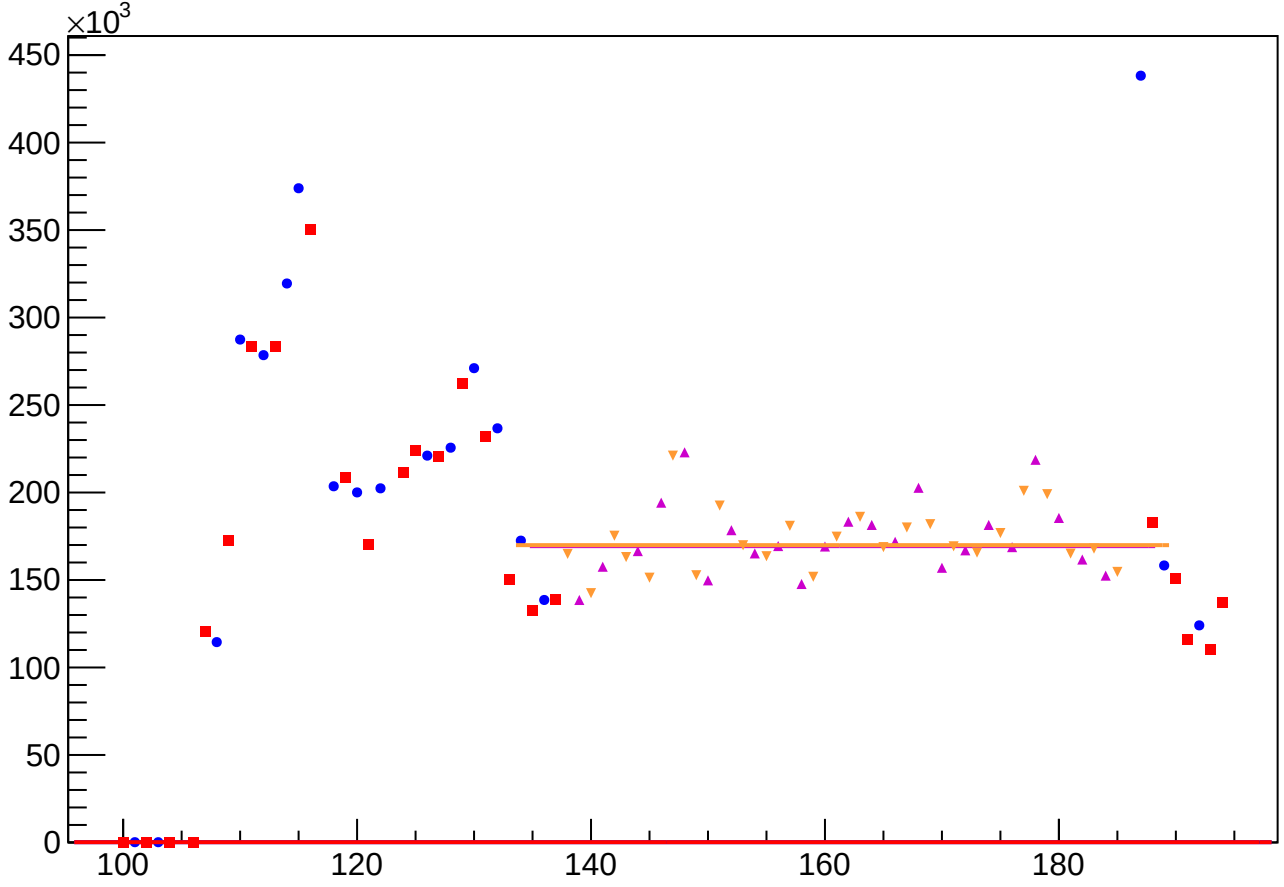
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.066+/-0.177 χ^2/NDF: 35.3/43

All: 0.036+/-0.121 χ^2/NDF: 90.2/91

- sign 0.126+/-0.166 χ^2/NDF: 54.2/47

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: 156.788+/-0.118 χ^2/NDF: 17587161.8/23

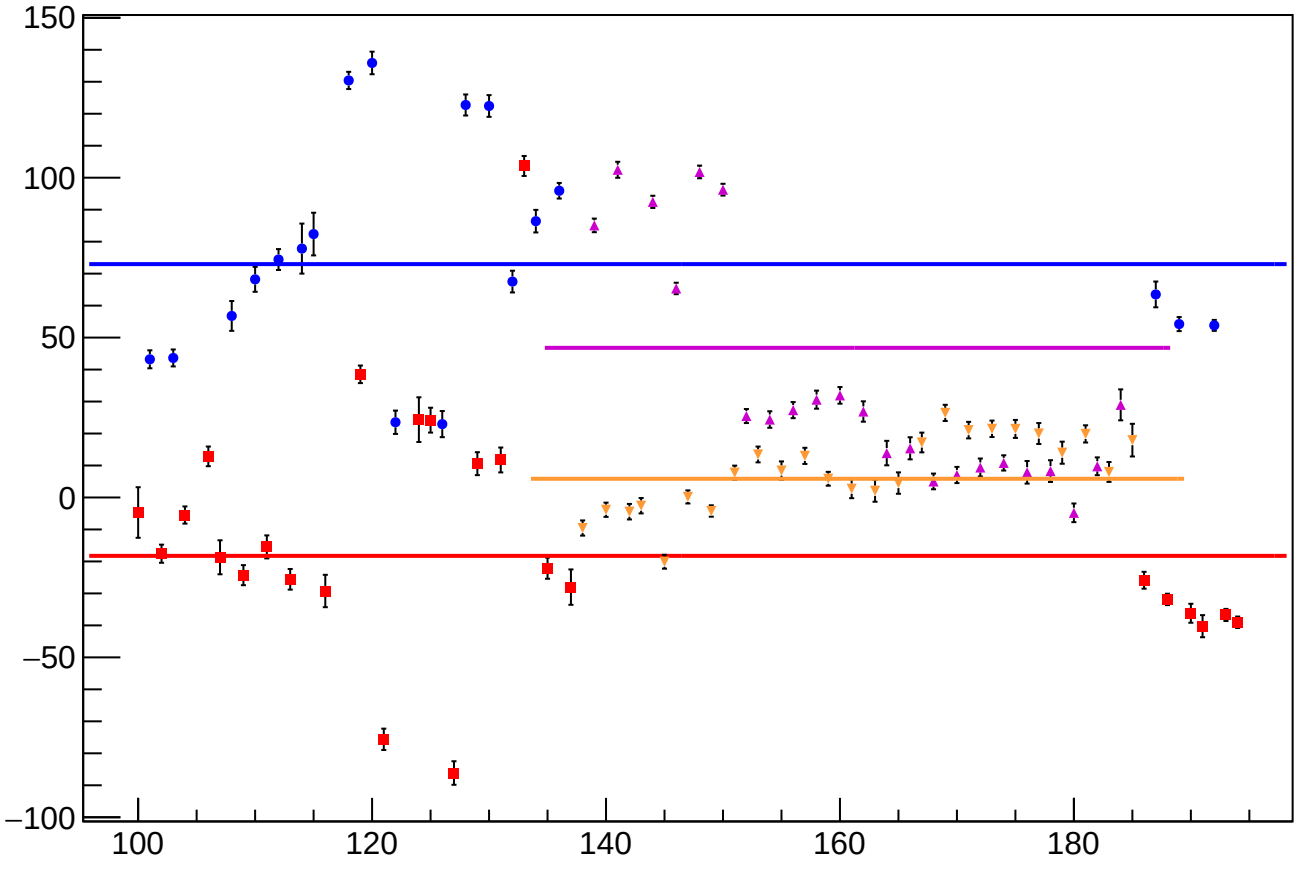
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 157.326+/-0.125 χ^2/NDF: 53500812.9/43

All: 158.602+/-0.086 χ^2/NDF: 107472916.7/9

- sign 159.729+/-0.118 χ^2/NDF: 53971908.4/46

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: -18.256+/-0.605 χ^2/NDF: 3388.3/24

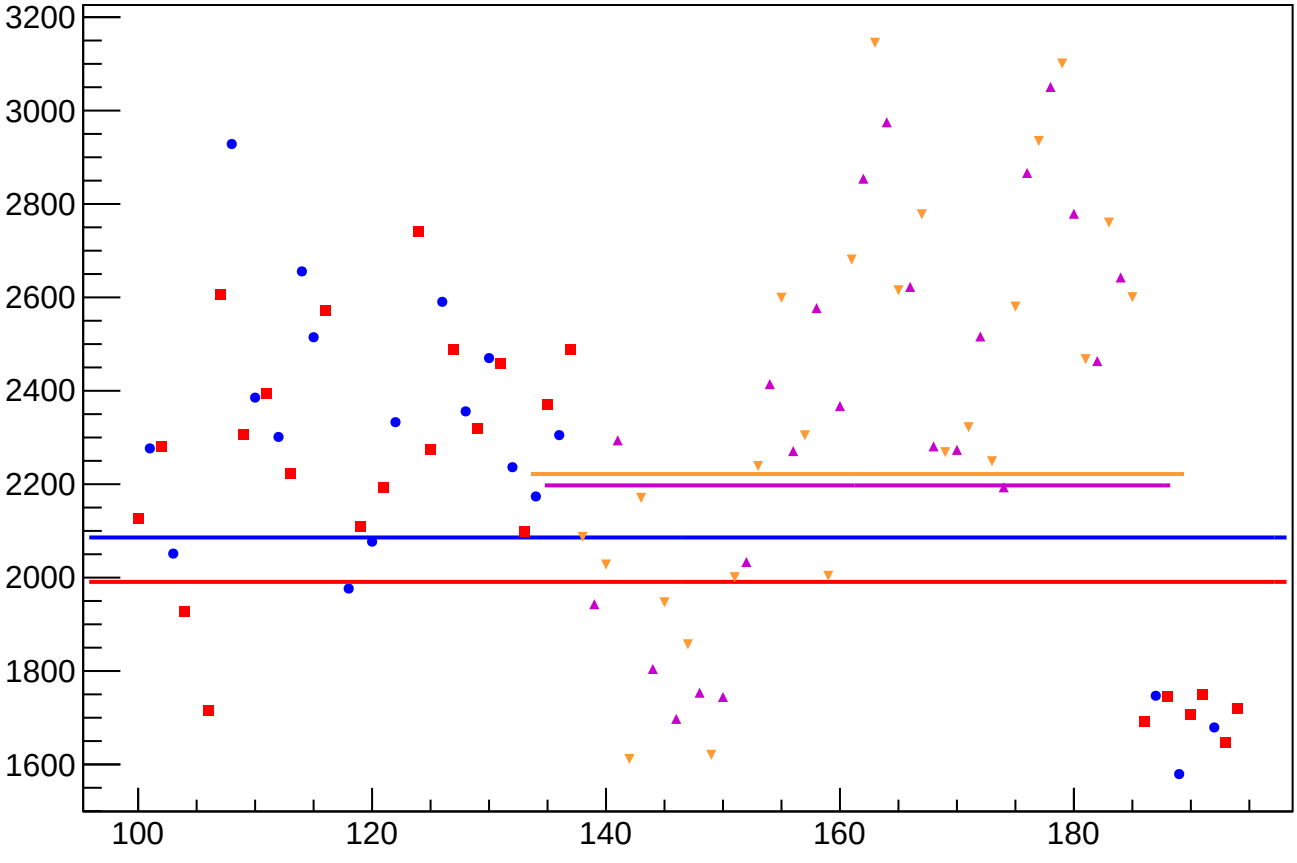
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

\+ sign 28.977+/-0.416 χ^2/NDF: 8516.3/43

All: 23.673+/-0.287 χ^2/NDF: 23994.9/91

\- sign 18.865+/-0.396 χ^2/NDF: 15168.9/47

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: 1990.861+/-0.428 χ^2/NDF: 523043.9/24

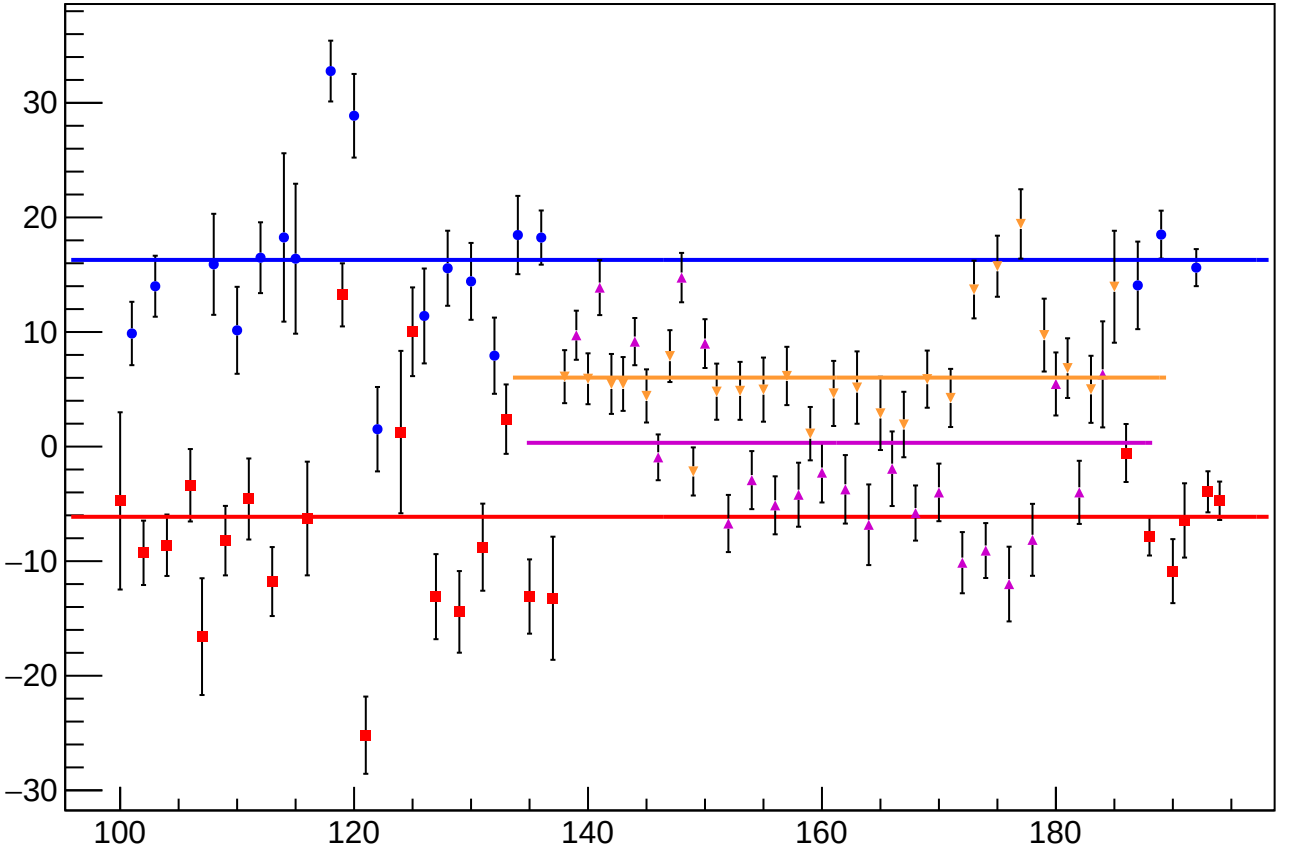
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2174.972+/-0.294 χ^2/NDF: 1683056.9/43

All: 2140.243+/-0.203 χ^2/NDF: 3470580.1/91

- sign 2108.761+/-0.280 χ^2/NDF: 1760965.1/47

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

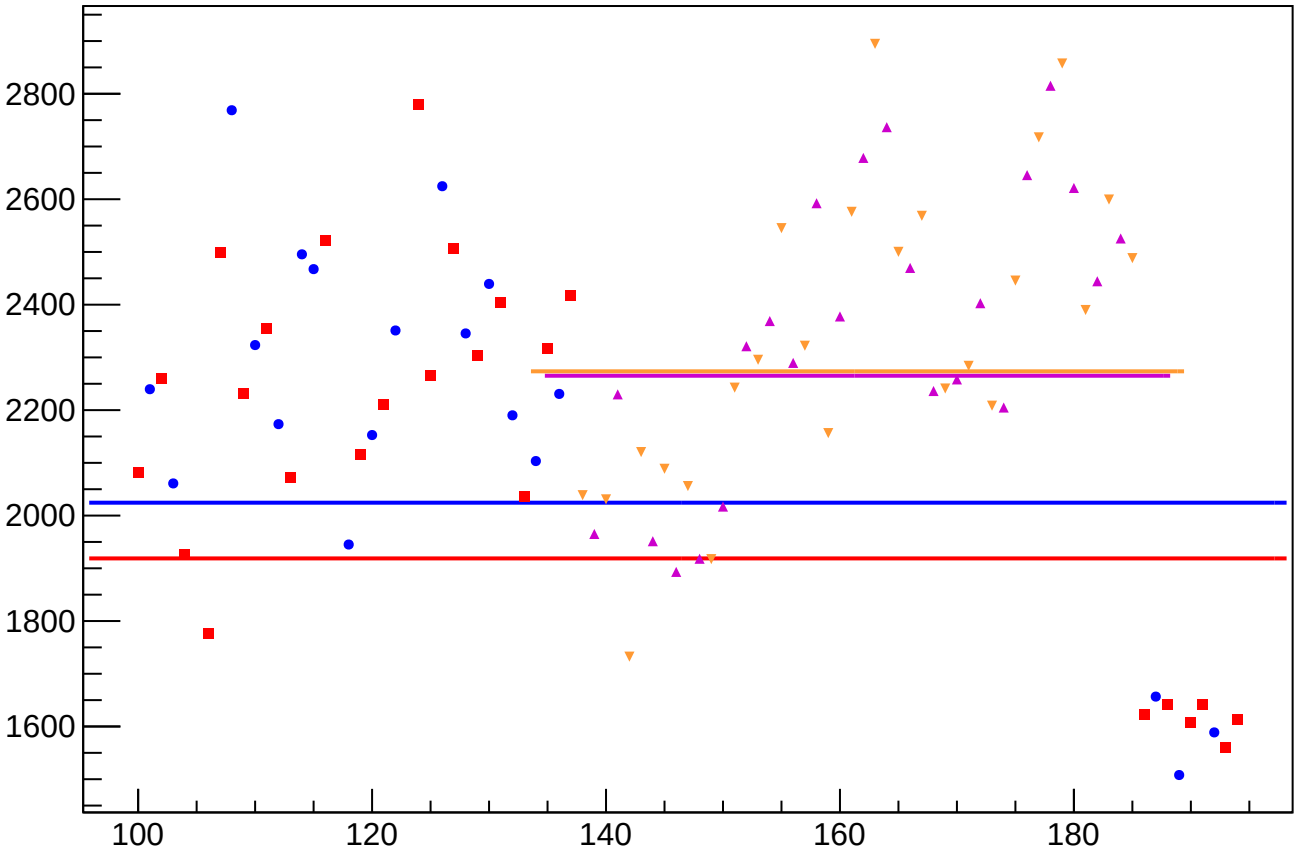
Right Out: -6.128+/-0.584 χ^2/NDF: 145.9/24

Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 9.755+/-0.416 χ^2/NDF: 299.3/43

All: 3.247+/-0.286 χ^2/NDF: 1202.8/91

- sign -2.614+/-0.394 χ^2/NDF: 437.3/47



Right In: 2024.448+/-0.487 χ^2/NDF: 522699.7/18

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1918.761+/-0.413 χ^2/NDF: 642796.3/24

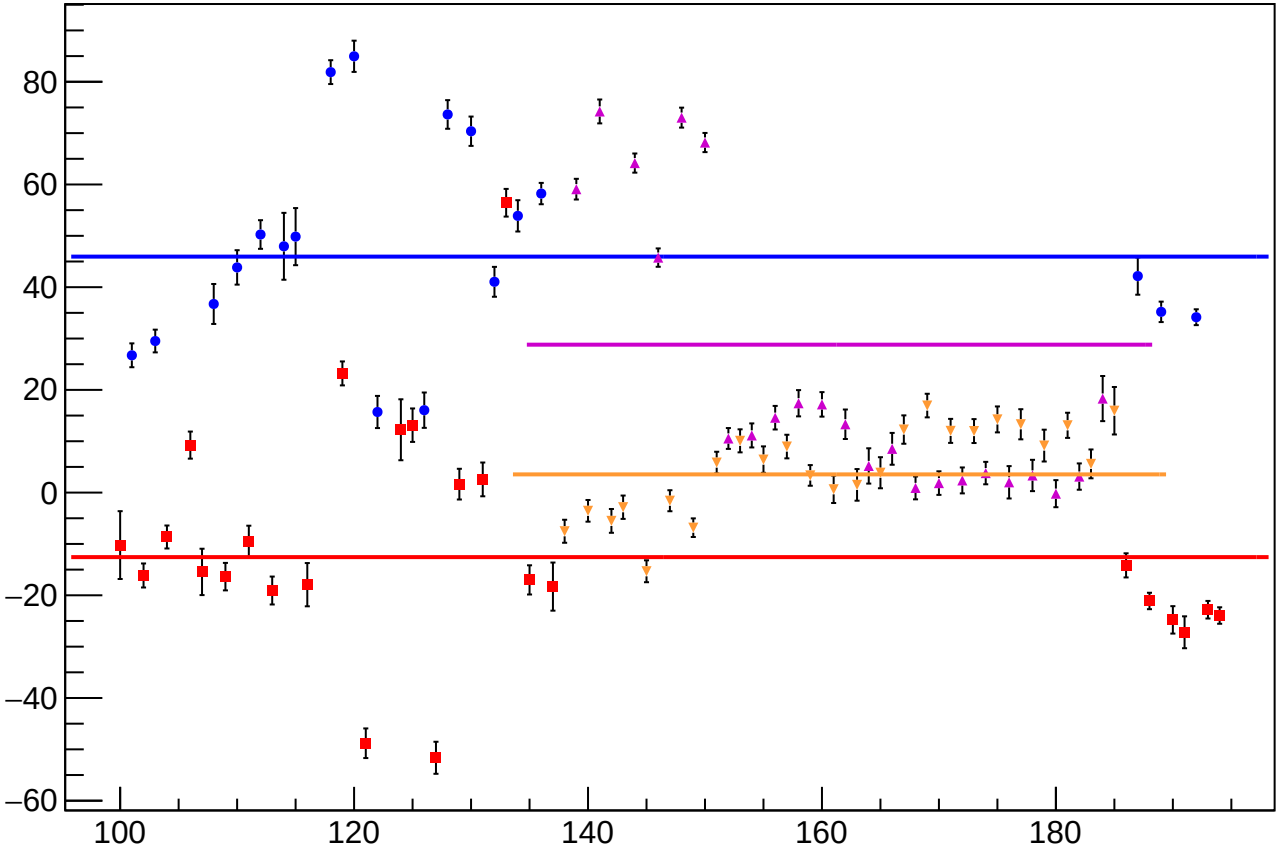
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2183.054+/-0.294 χ^2/NDF: 1225902.2/43

All: 2143.211+/-0.202 χ^2/NDF: 2782446.4/91

- sign 2107.325+/-0.279 χ^2/NDF: 1521595.3/47

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: -12.565+/-0.526 χ^2/NDF: 1575.0/24

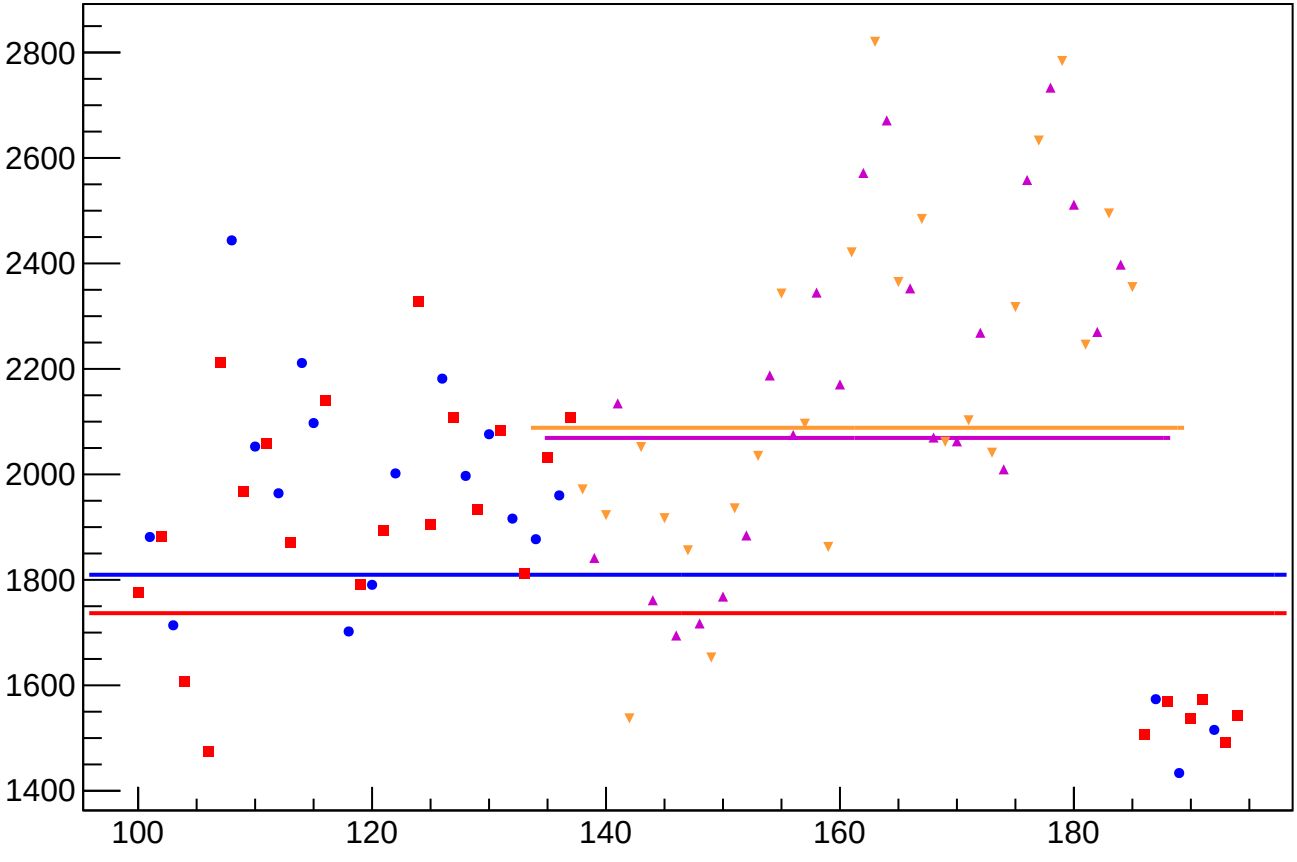
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

+ sign 19.692+/-0.378 χ^2/NDF: 4299.0/43

All: 14.347+/-0.260 χ^2/NDF: 12826.0/91

- sign 9.531+/-0.359 χ^2/NDF: 8146.7/47

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: 1736.827+/-0.372 χ^2/NDF: 371794.7/24

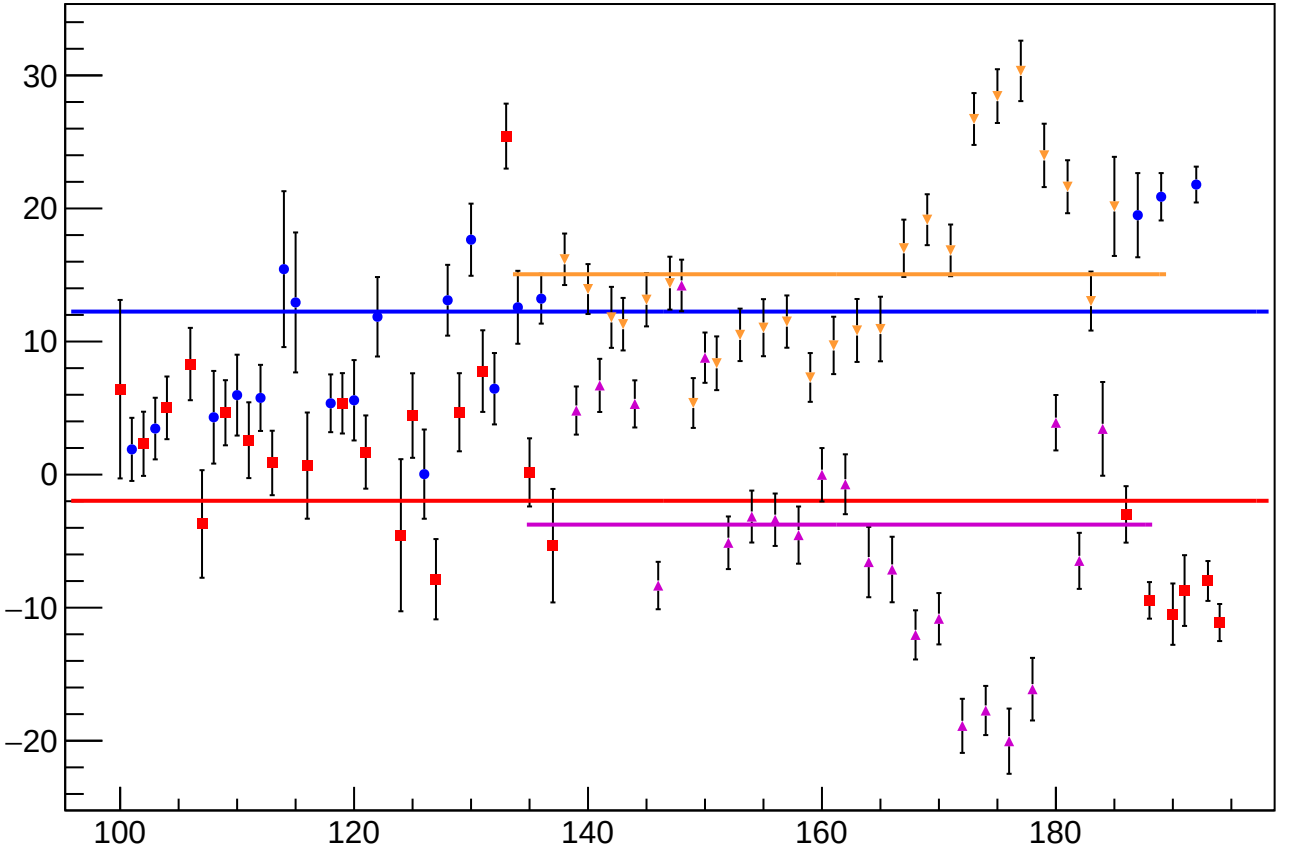
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1982.243+/-0.267 χ^2/NDF: 1360517.0/43

All: 1946.505+/-0.184 χ^2/NDF: 2904811.2/91

- sign 1914.307+/-0.254 χ^2/NDF: 1510299.0/47

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

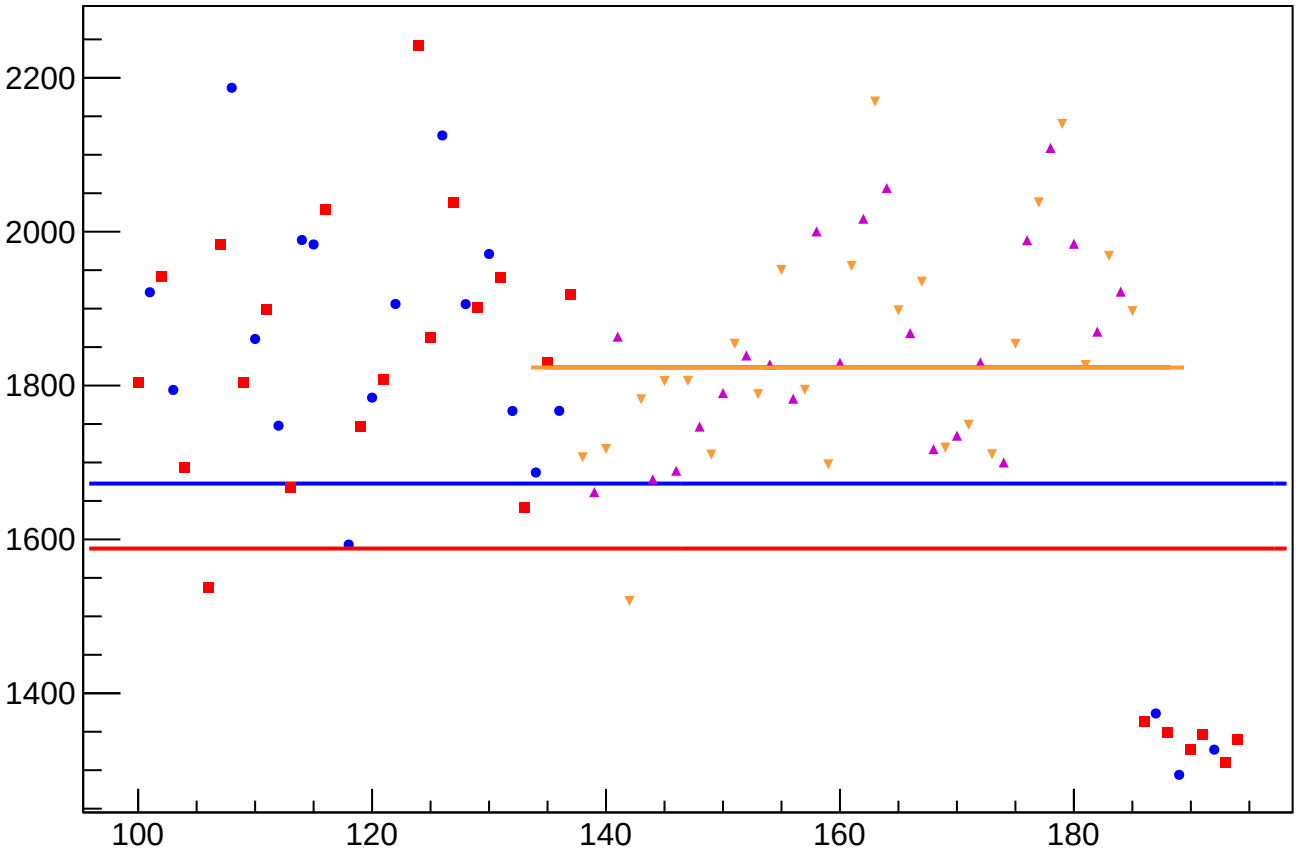
Right Out: -1.968+/-0.482 χ^2/NDF: 311.9/24

Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 14.076+/-0.335 χ^2/NDF: 428.4/43

All: 5.156+/-0.232 χ^2/NDF: 2559.4/91

- sign -2.970+/-0.320 χ^2/NDF: 778.6/47



Right In: 1672.572+/-0.401 χ^2/NDF: 434911.1/18

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1588.147+/-0.341 χ^2/NDF: 580367.5/24

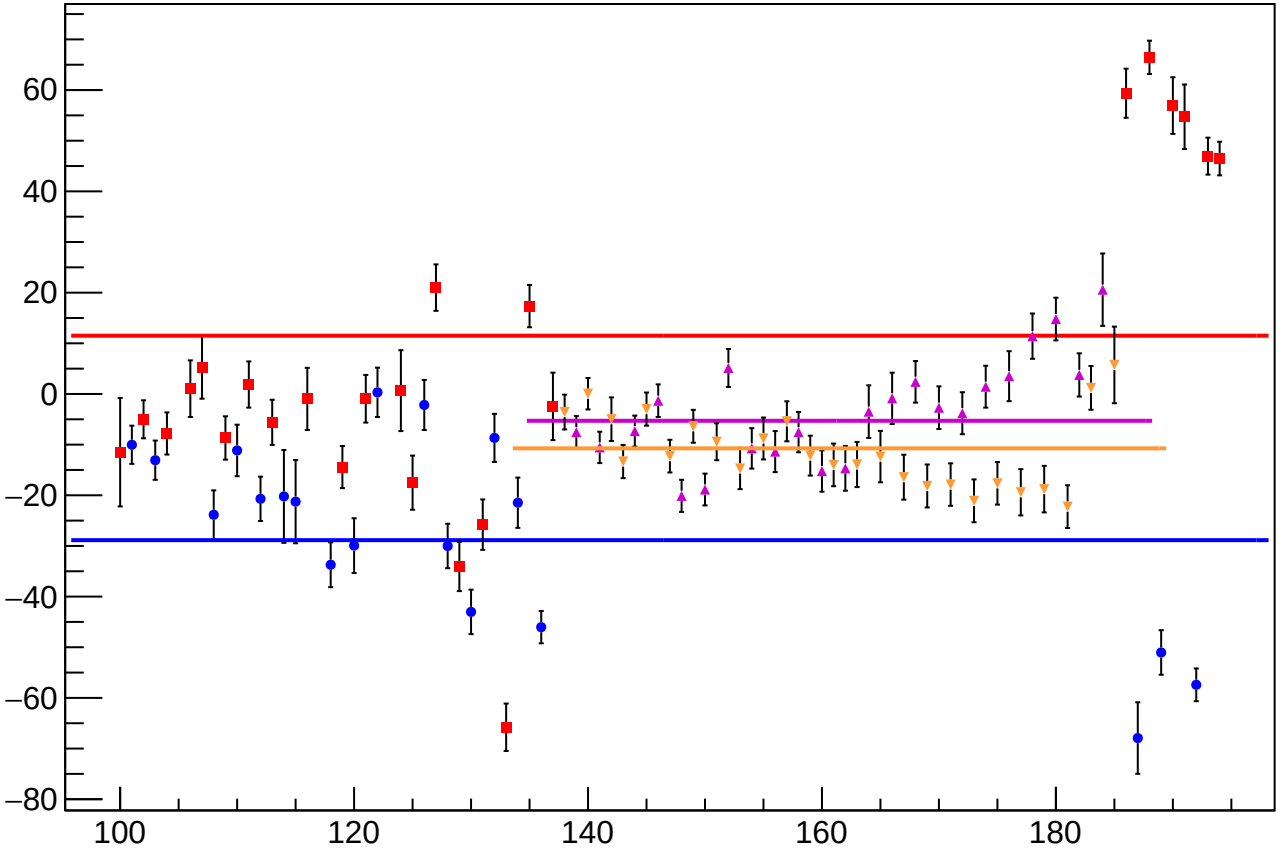
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1770.751+/-0.237 χ^2/NDF: 738217.4/43

All: 1744.147+/-0.164 χ^2/NDF: 1773273.3/91

- sign 1719.915+/-0.226 χ^2/NDF: 1010999.6/47

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: 11.505+/-0.936 χ^2/NDF: 1295.0/24

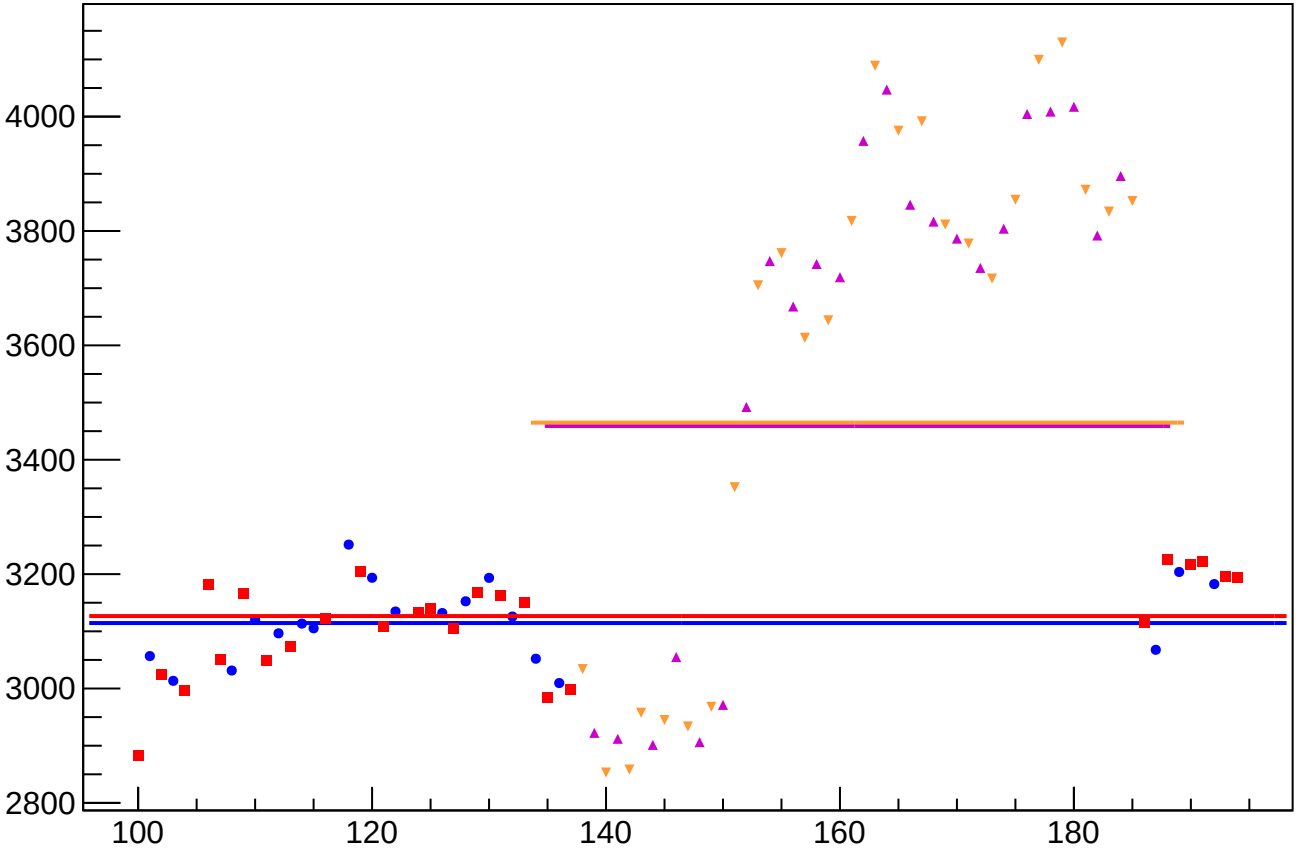
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -17.390+/-0.631 χ^2/NDF: 585.7/43

All: -7.454+/-0.440 χ^2/NDF: 2679.6/91

- sign 1.949+/-0.614 χ^2/NDF: 1611.9/47

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: 3126.684+/-0.662 χ^2/NDF: 14494.0/24

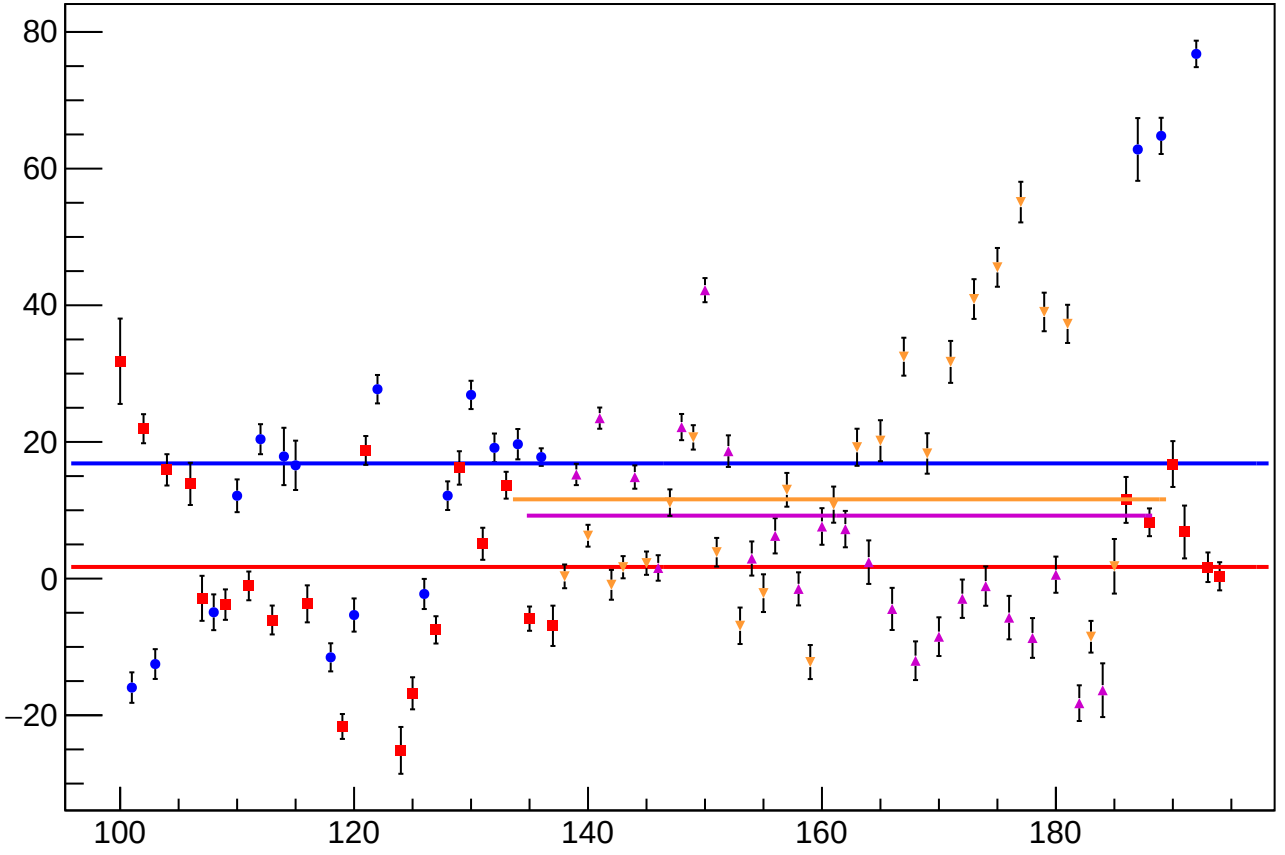
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3336.197+/-0.446 χ^2/NDF: 797145.2/43

All: 3325.710+/-0.311 χ^2/NDF: 1539639.4/91

- sign 3315.786+/-0.434 χ^2/NDF: 741420.5/47

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: 1.704+/-0.475 χ^2/NDF: 711.2/24

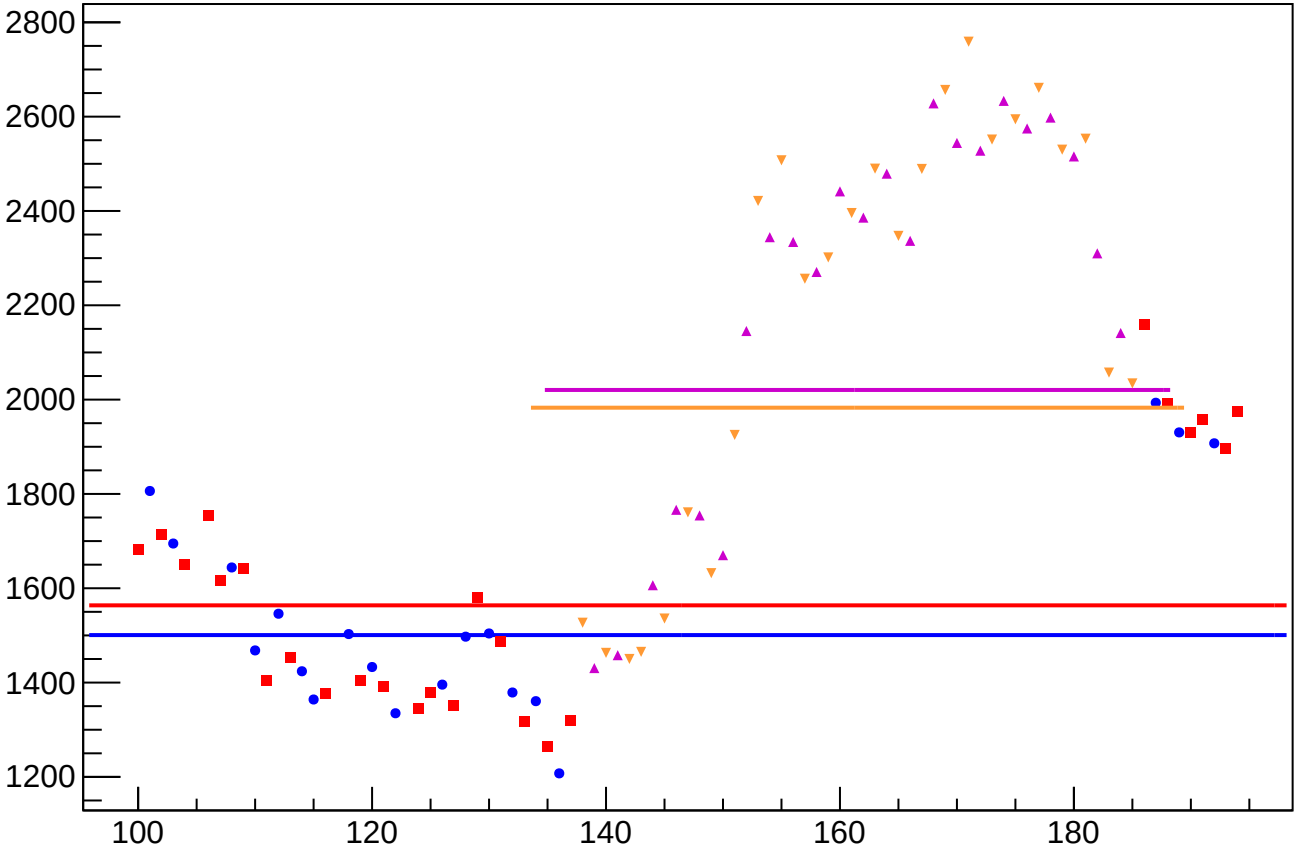
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

+ sign 13.986+/-0.342 χ^2/NDF: 3521.3/43

All: 9.639+/-0.241 χ^2/NDF: 5614.5/91

- sign 5.386+/-0.339 χ^2/NDF: 1774.6/47

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: 1563.765+/-0.336 χ^2/NDF: 549578.3/24

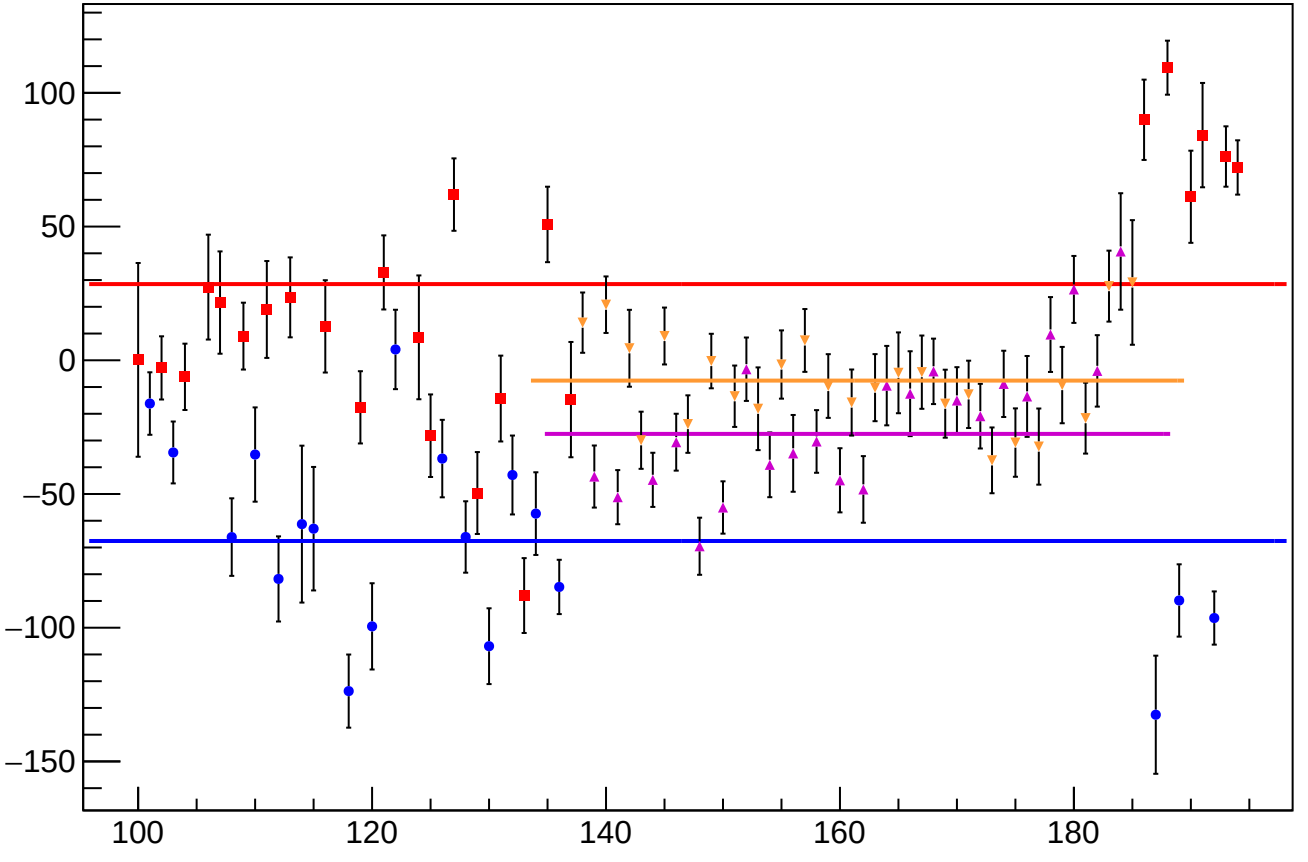
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1764.055+/-0.242 χ^2/NDF: 3325923.4/43

All: 1776.002+/-0.170 χ^2/NDF: 6403359.2/91

- sign 1787.691+/-0.240 χ^2/NDF: 3072621.2/47

diff_bpm0l02X_mean vs Slug



Right In: -67.572+/-3.246 χ^2/NDF: 113.9/18

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 28.493+/-2.918 χ^2/NDF: 289.2/24

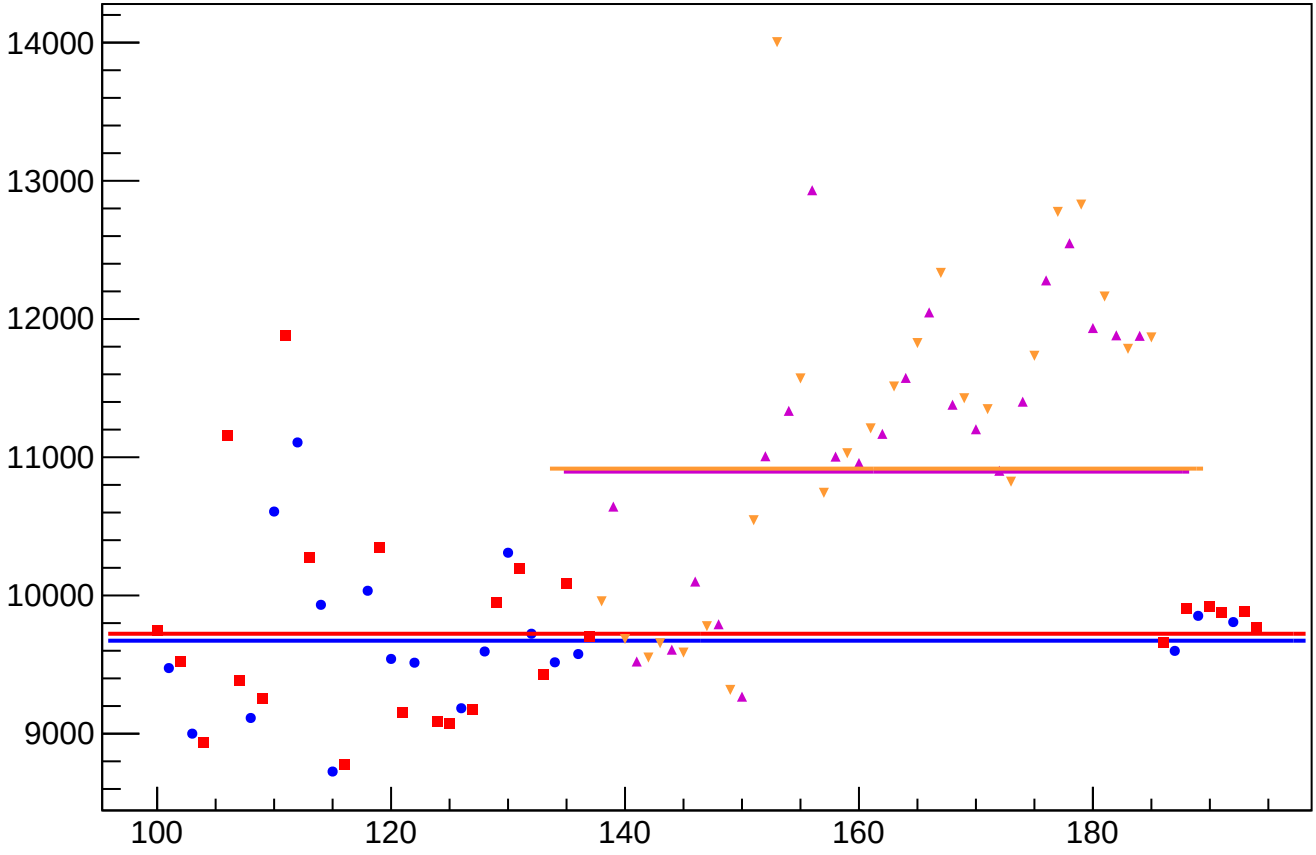
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -29.873+/-1.978 χ^2/NDF: 376.5/43

All: -16.160+/-1.379 χ^2/NDF: 1060.7/91

- sign -3.201+/-1.923 χ^2/NDF: 590.7/47

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: 9722.997+/-2.063 χ^2/NDF: 81867.9/24

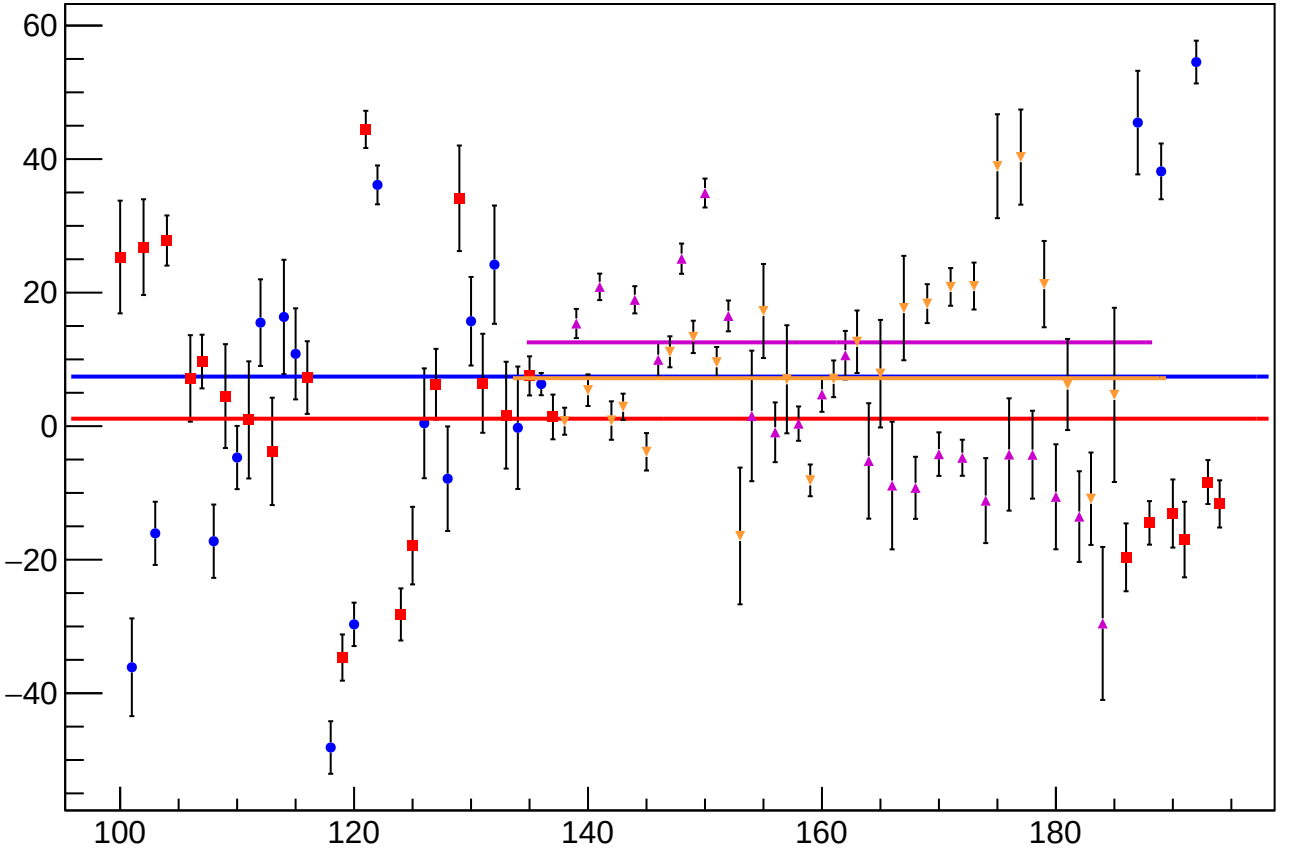
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10455.259+/-1.399 χ^2/NDF: 655777.3/43

All: 10419.965+/-0.975 χ^2/NDF: 1219788.0/9

- sign 10386.613+/-1.360 χ^2/NDF: 562772.3/47

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: 1.119+/-0.897 χ^2/NDF: 596.7/24

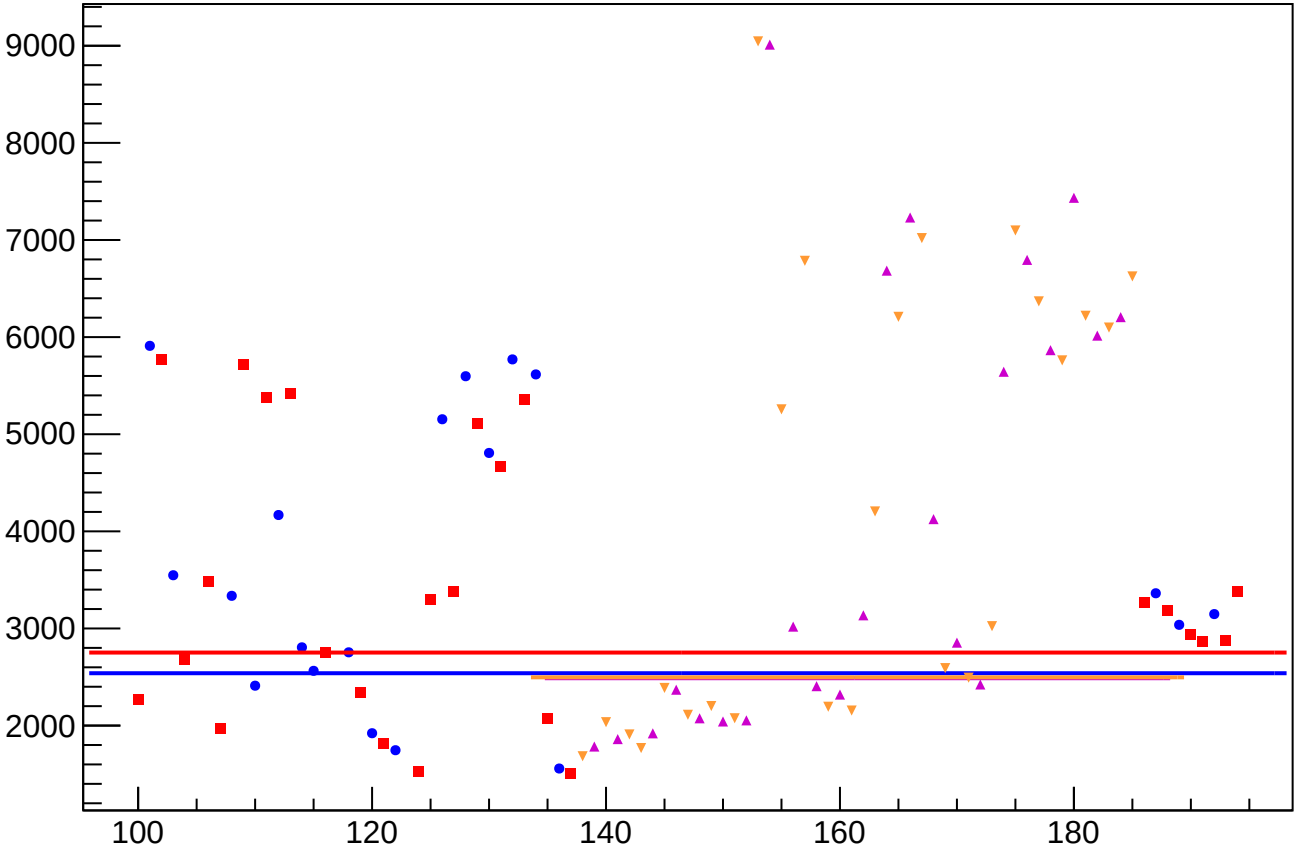
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 7.262+/-0.540 χ^2/NDF: 1023.3/43

All: 7.908+/-0.379 χ^2/NDF: 2100.2/91

- sign 8.534+/-0.532 χ^2/NDF: 1074.1/47

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: 2751.907+/-0.634 χ^2/NDF: 2682119.0/24

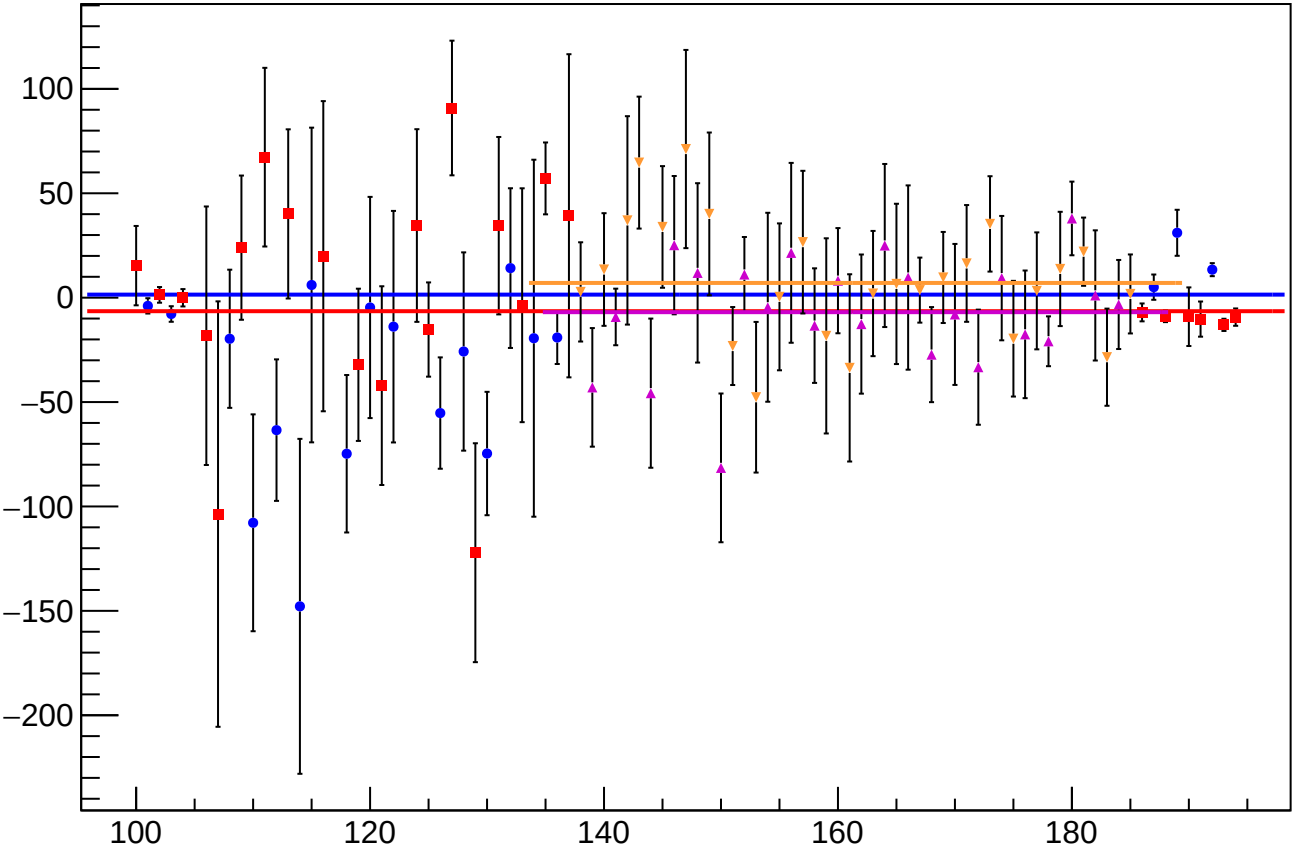
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2510.215+/-0.382 χ^2/NDF: 10169680.3/43

All: 2545.941+/-0.268 χ^2/NDF: 19084956.4/9

- sign 2580.583+/-0.376 χ^2/NDF: 8898044.6/47

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: -6.476+/-1.387 χ^2/NDF: 51.6/24

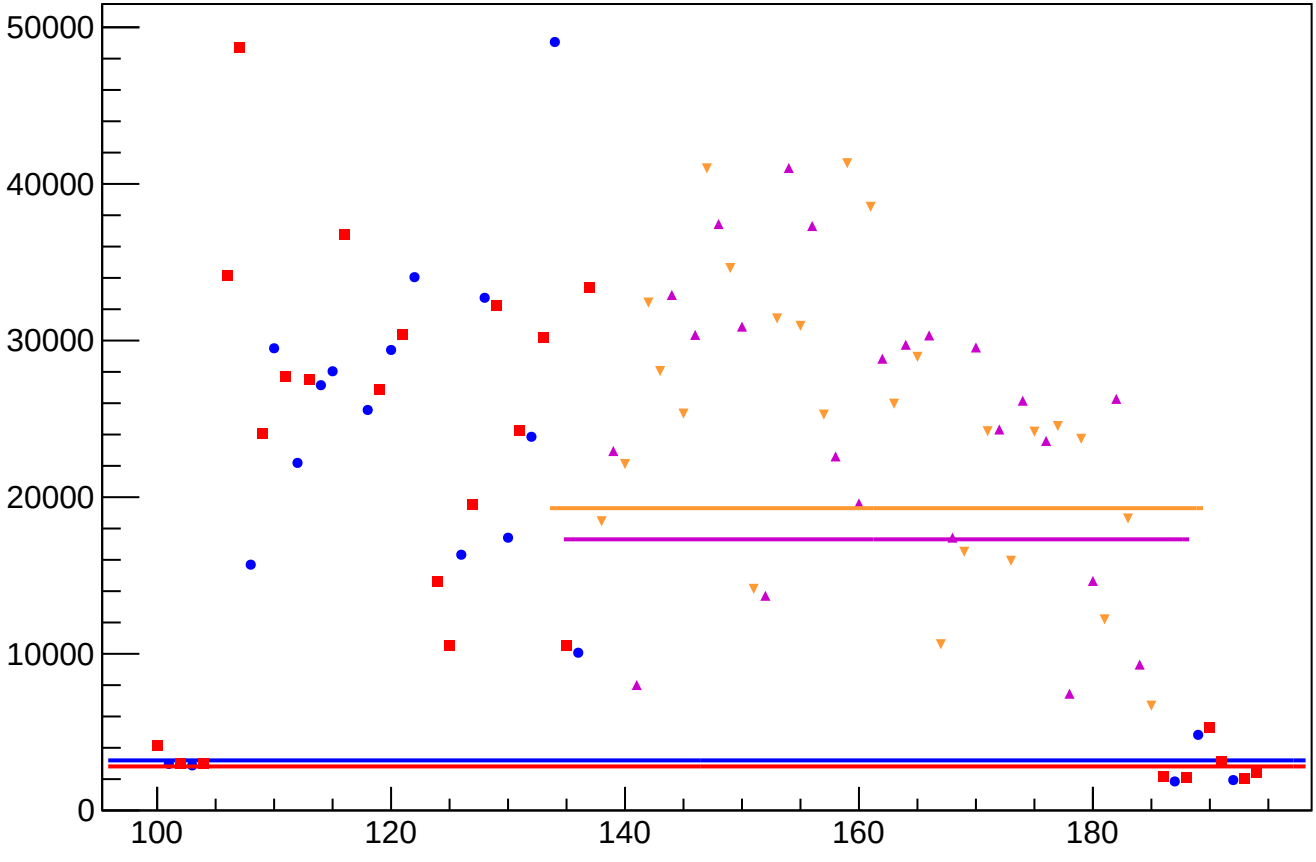
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 2.073+/-1.728 χ^2/NDF: 81.6/43

All: -3.292+/-1.058 χ^2/NDF: 169.7/91

- sign -6.509+/-1.338 χ^2/NDF: 72.7/47

diff_bpm0l03X_rms vs Slug



Right In: 3196.027+/-1.295 χ^2/NDF: 7591553.5/18

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2810.960+/-0.981 χ^2/NDF: 8706111.3/24

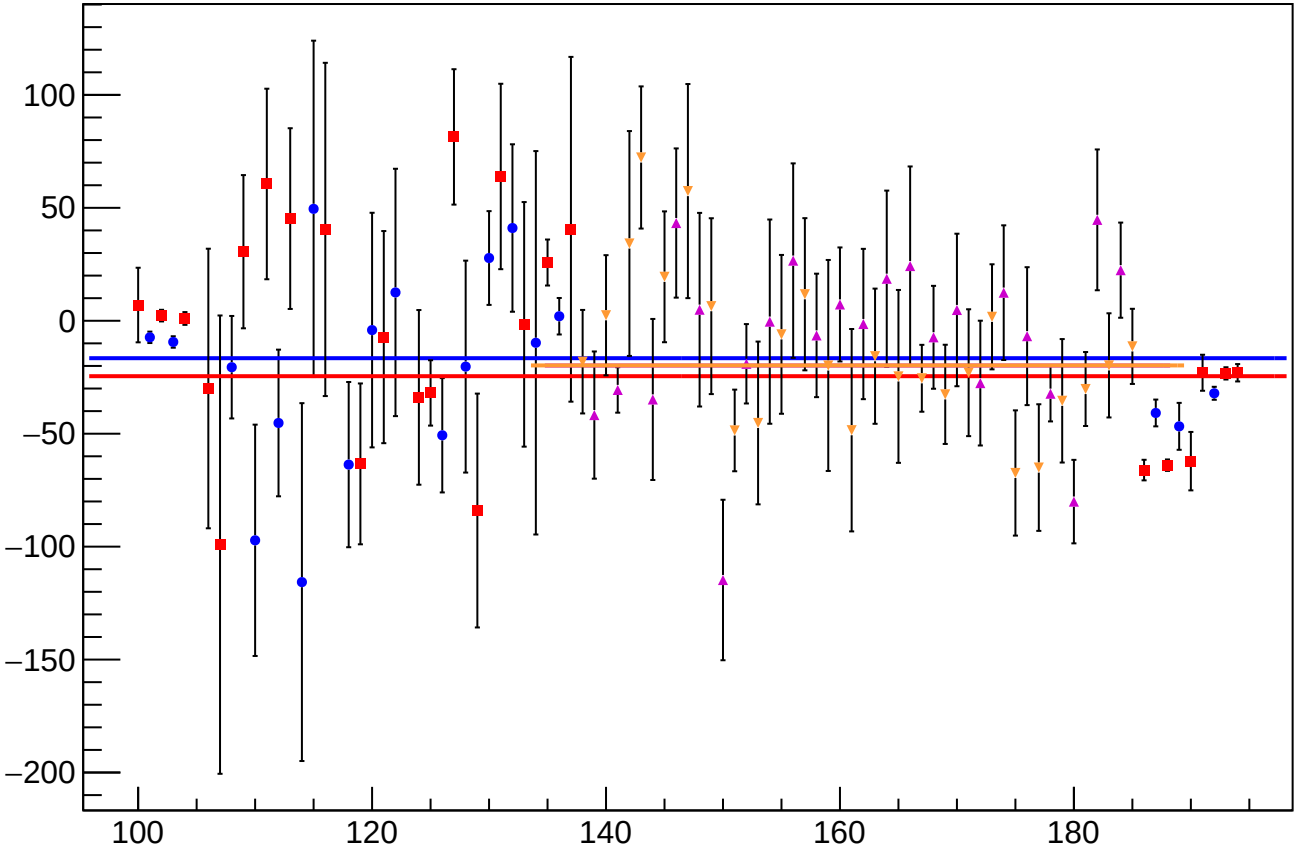
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 4956.299+/-1.222 χ^2/NDF: 29532979.3/43

All: 4241.773+/-0.748 χ^2/NDF: 60607500.4/9

- sign 3813.255+/-0.946 χ^2/NDF: 30527682.2/47

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

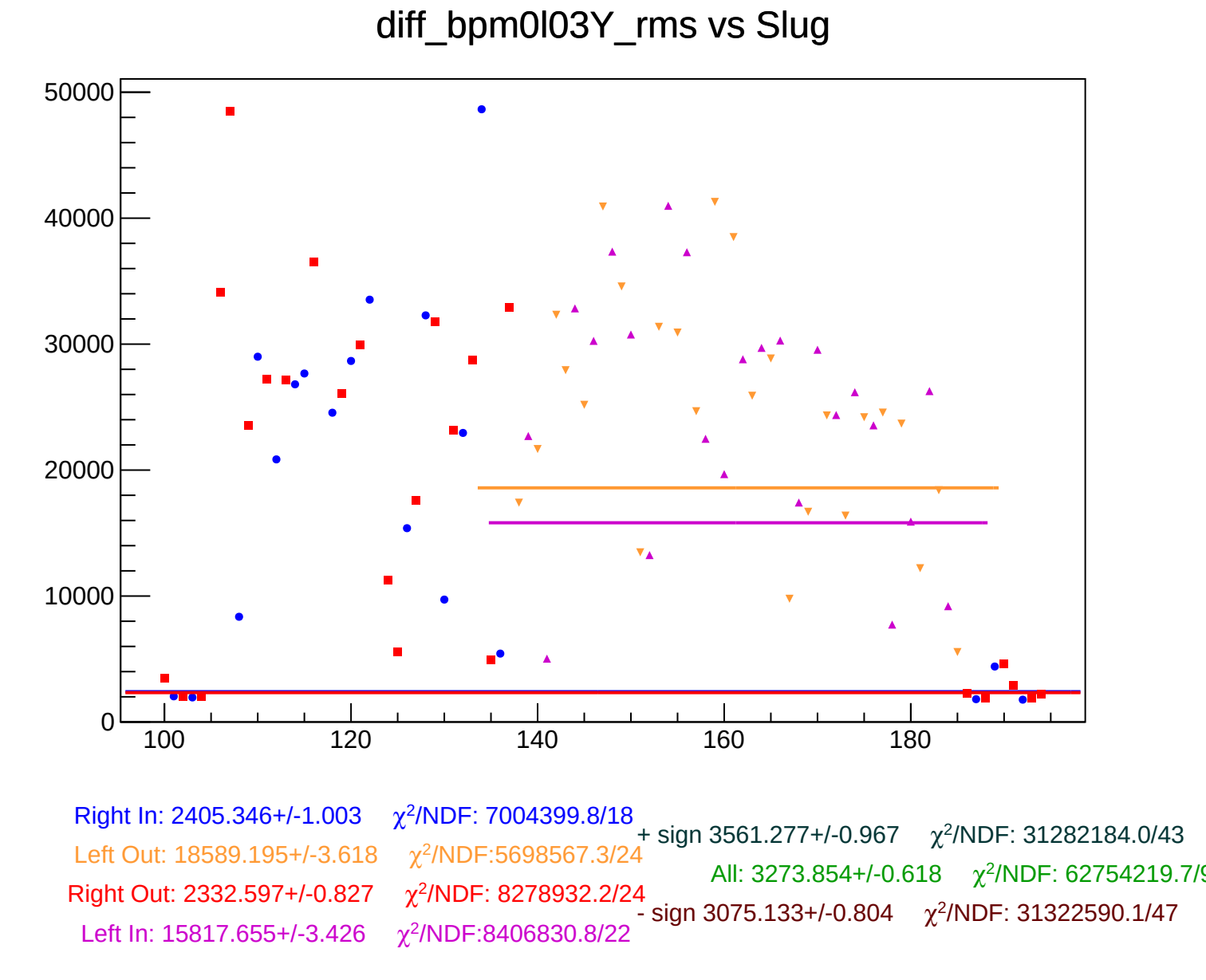
Right Out: -24.534+/-1.170 χ^2/NDF: 585.3/24

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

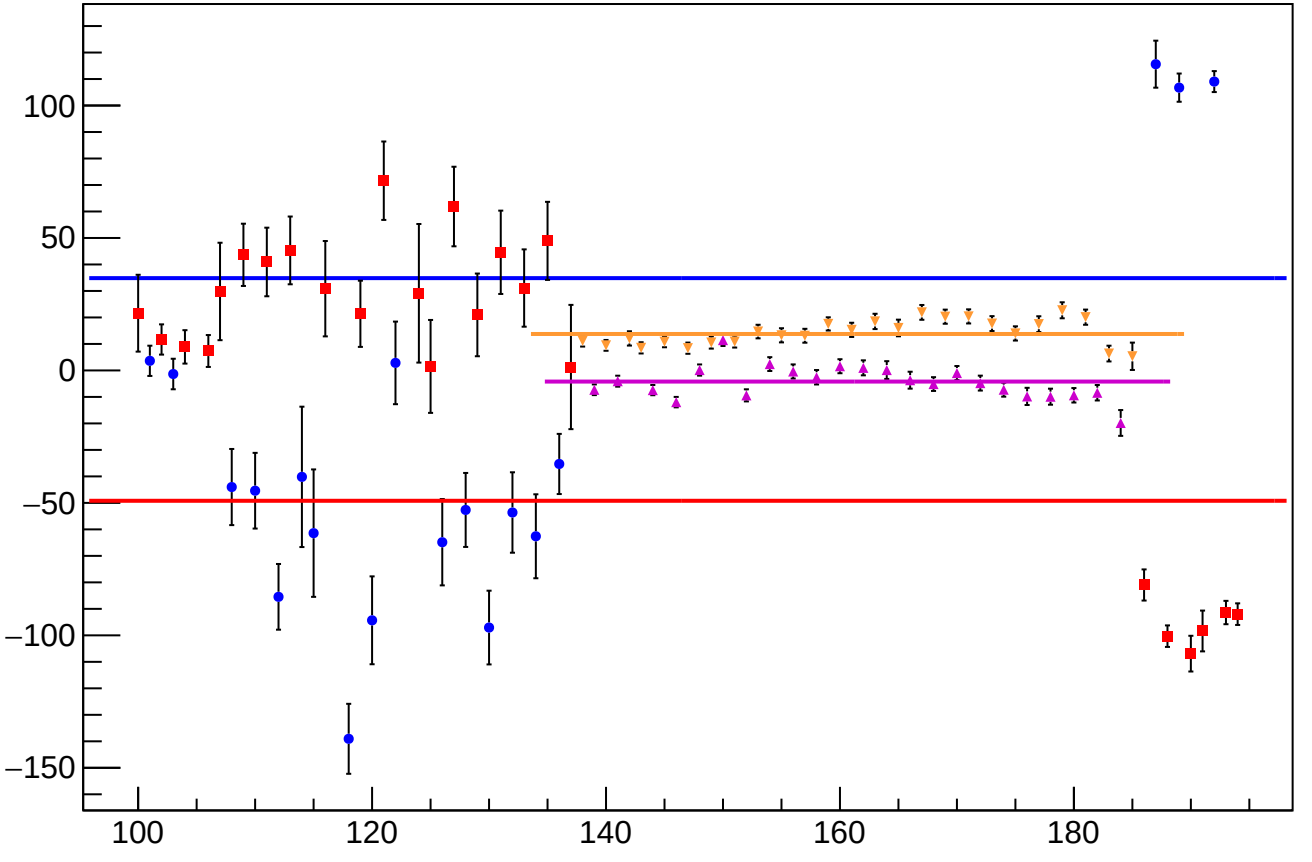
+ sign -16.795+/-1.367 χ^2/NDF: 125.7/43

All: -21.217+/-0.874 χ^2/NDF: 769.8/91

- sign -24.274+/-1.137 χ^2/NDF: 626.5/47


diff_bpm0l03Y_rms vs Slug
50000
40000
30000
20000
10000
0
100
120
140
160
180
Right In: 2405.346+/-1.003 χ²/NDF: 7004399.8/18
Left Out: 18589.195+/-3.618 χ²/NDF:5698567.3/24
Right Out: 2332.597+/-0.827 χ²/NDF: 8278932.2/24
Left In: 15817.655+/-3.426 χ²/NDF:8406830.8/22
+ sign 3561.277+/-0.967 χ²/NDF: 31282184.0/43
All: 3273.854+/-0.618 χ²/NDF: 62754219.7/9
- sign 3075.133+/-0.804 χ²/NDF: 31322590.1/47

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: -49.203+/-1.595 χ^2/NDF: 1323.0/24

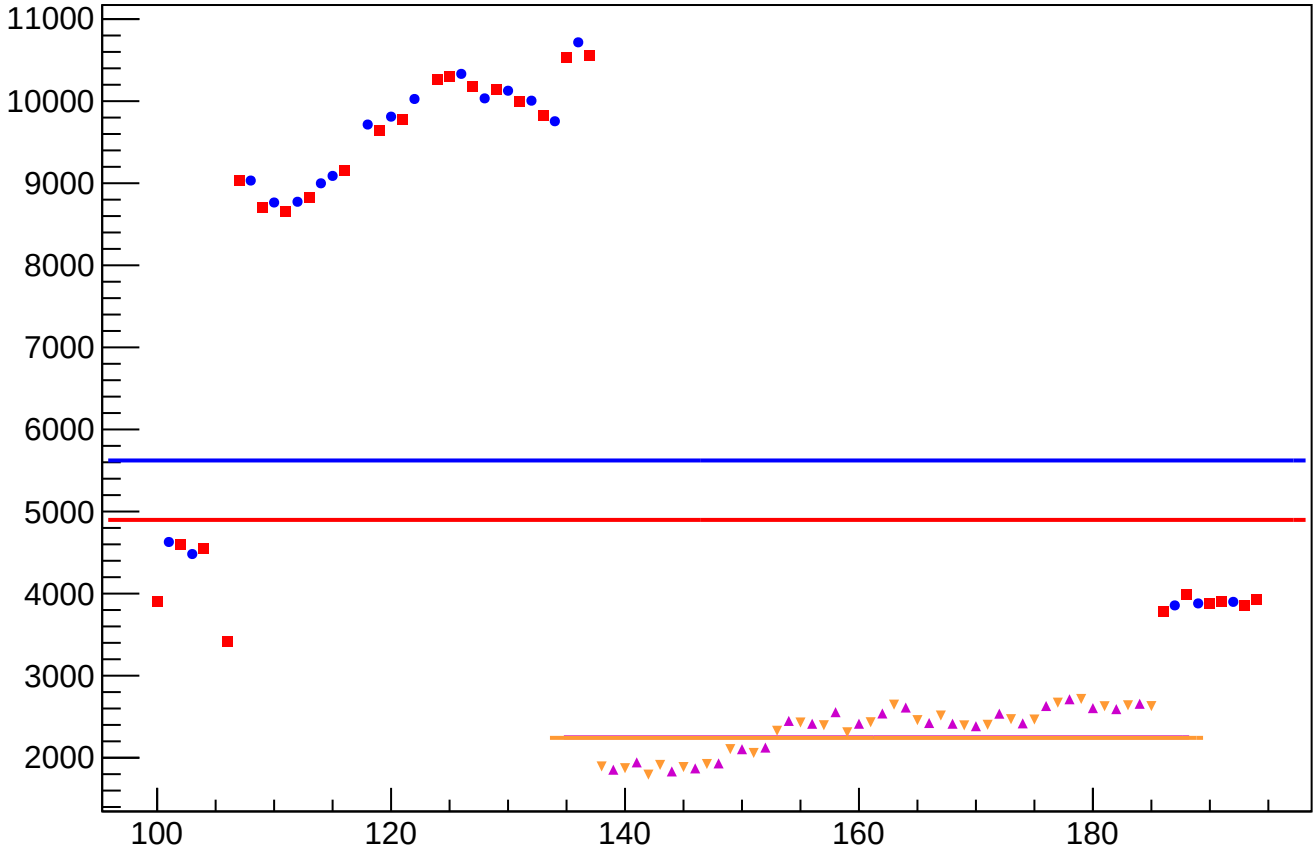
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 14.997+/-0.499 χ^2/NDF: 1556.3/43

All: 3.262+/-0.354 χ^2/NDF: 4836.6/91

- sign -8.676+/-0.503 χ^2/NDF: 2163.5/47

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: 4897.922+/-1.128 χ^2/NDF: 3498998.5/24

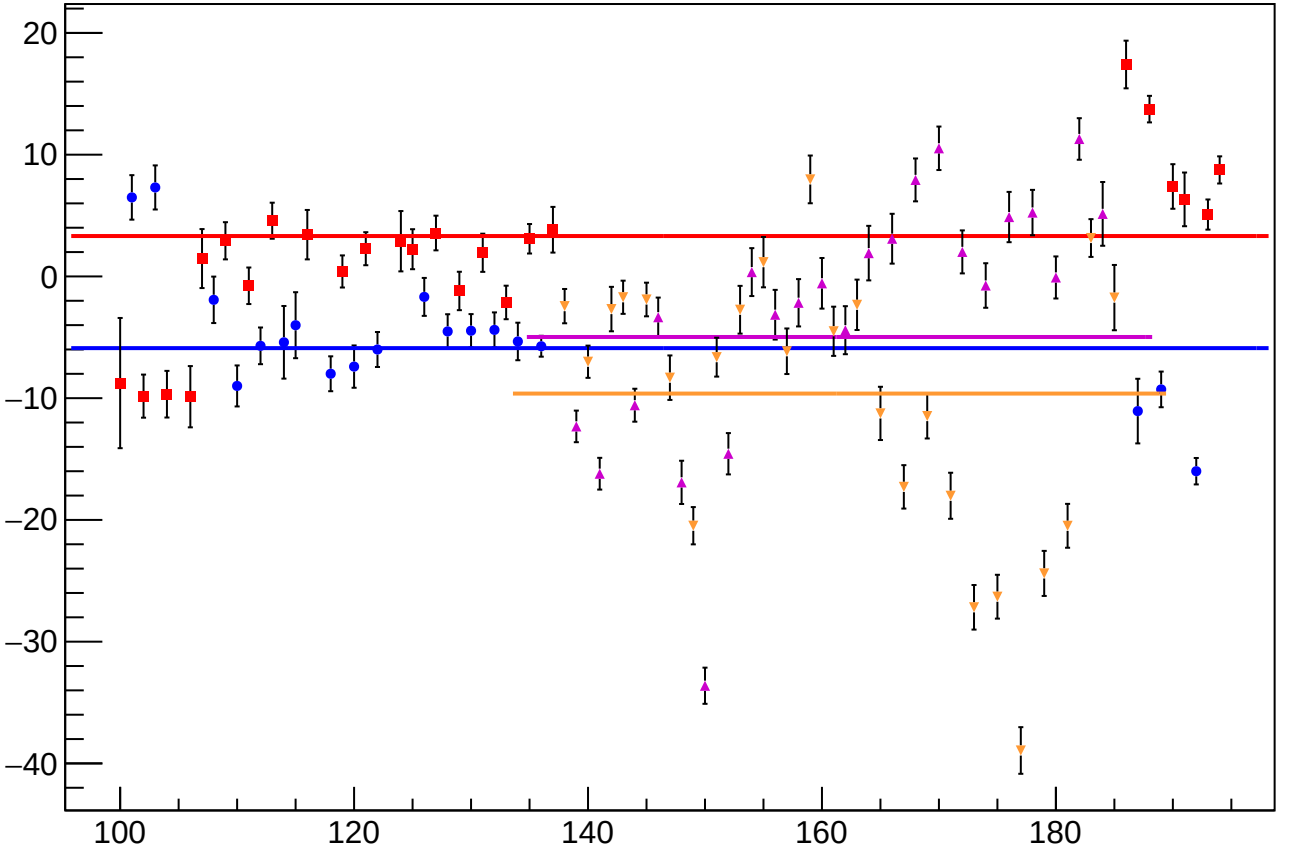
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2440.414+/-0.353 χ^2/NDF: 8710574.3/43

All: 2475.875+/-0.250 χ^2/NDF: 17839014.5/9

- sign 2511.953+/-0.356 χ^2/NDF: 9108040.5/47

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: 3.318+/-0.316 χ^2/NDF: 349.0/24

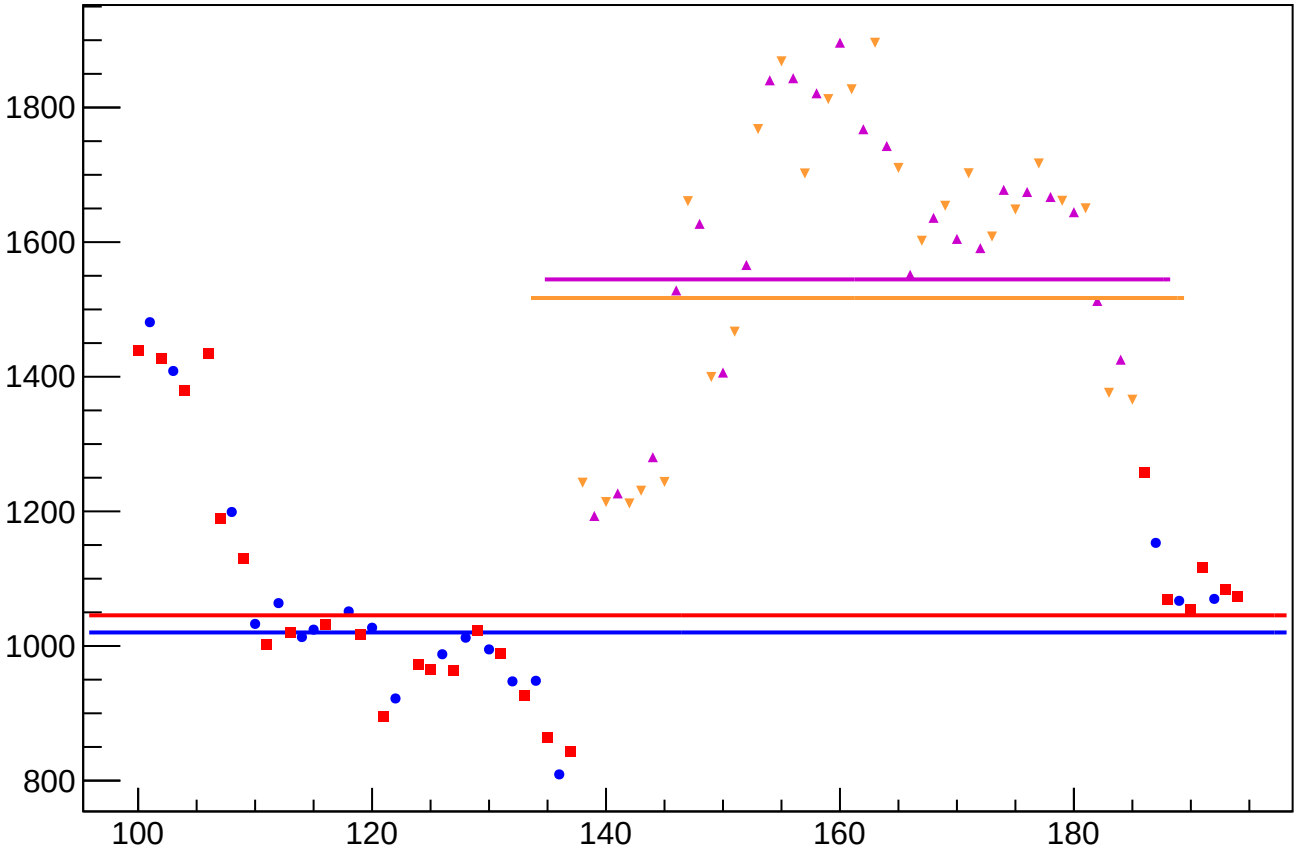
Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.735+/-0.245 χ^2/NDF: 1208.7/43

All: -3.879+/-0.171 χ^2/NDF: 3262.9/91

- sign -0.235+/-0.239 χ^2/NDF: 1574.4/47

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: 1045.562+/-0.223 χ^2/NDF: 381418.0/24

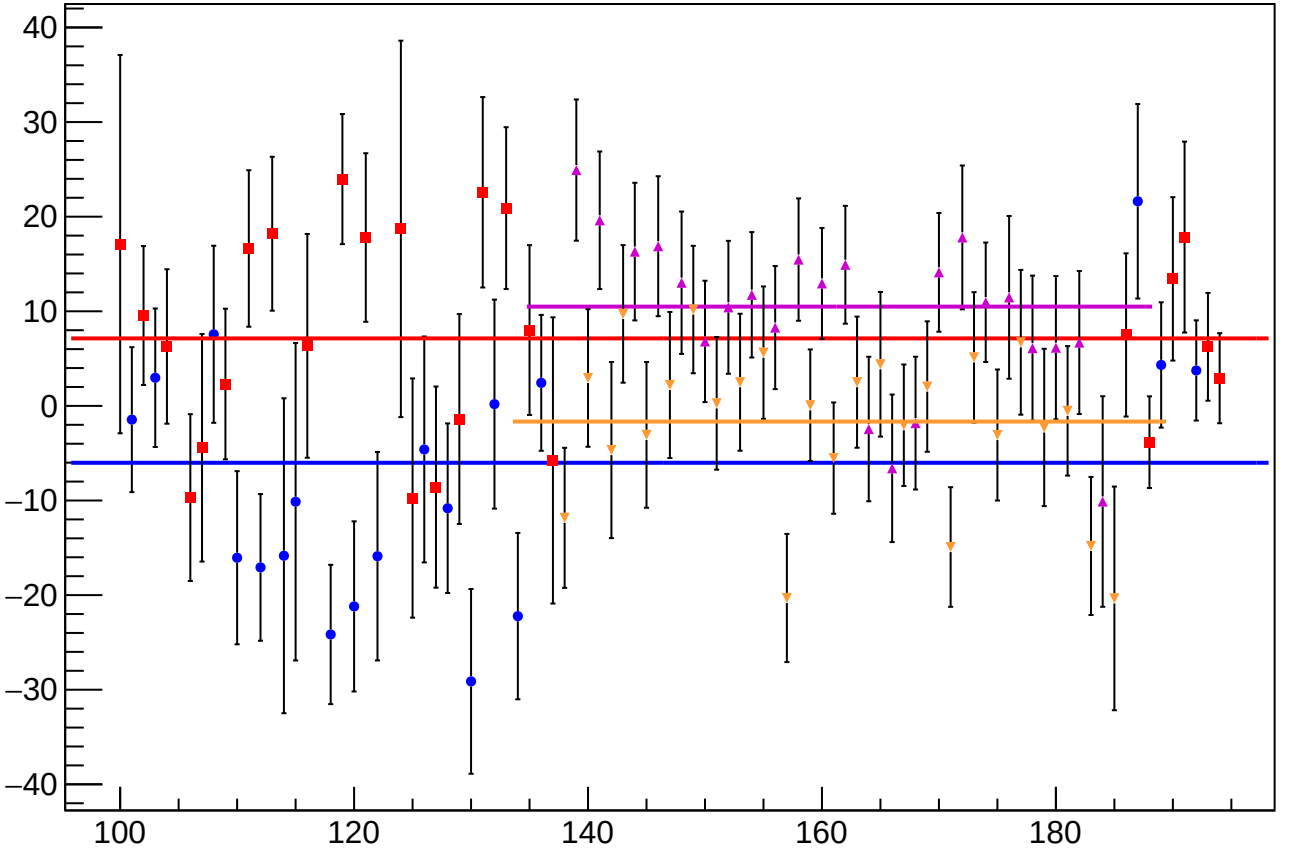
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1265.777+/-0.174 χ^2/NDF: 3273783.8/43

All: 1262.485+/-0.121 χ^2/NDF: 6436143.9/91

- sign 1259.373+/-0.169 χ^2/NDF: 3161660.4/47

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: 7.134+/-1.661 χ^2/NDF: 34.1/24

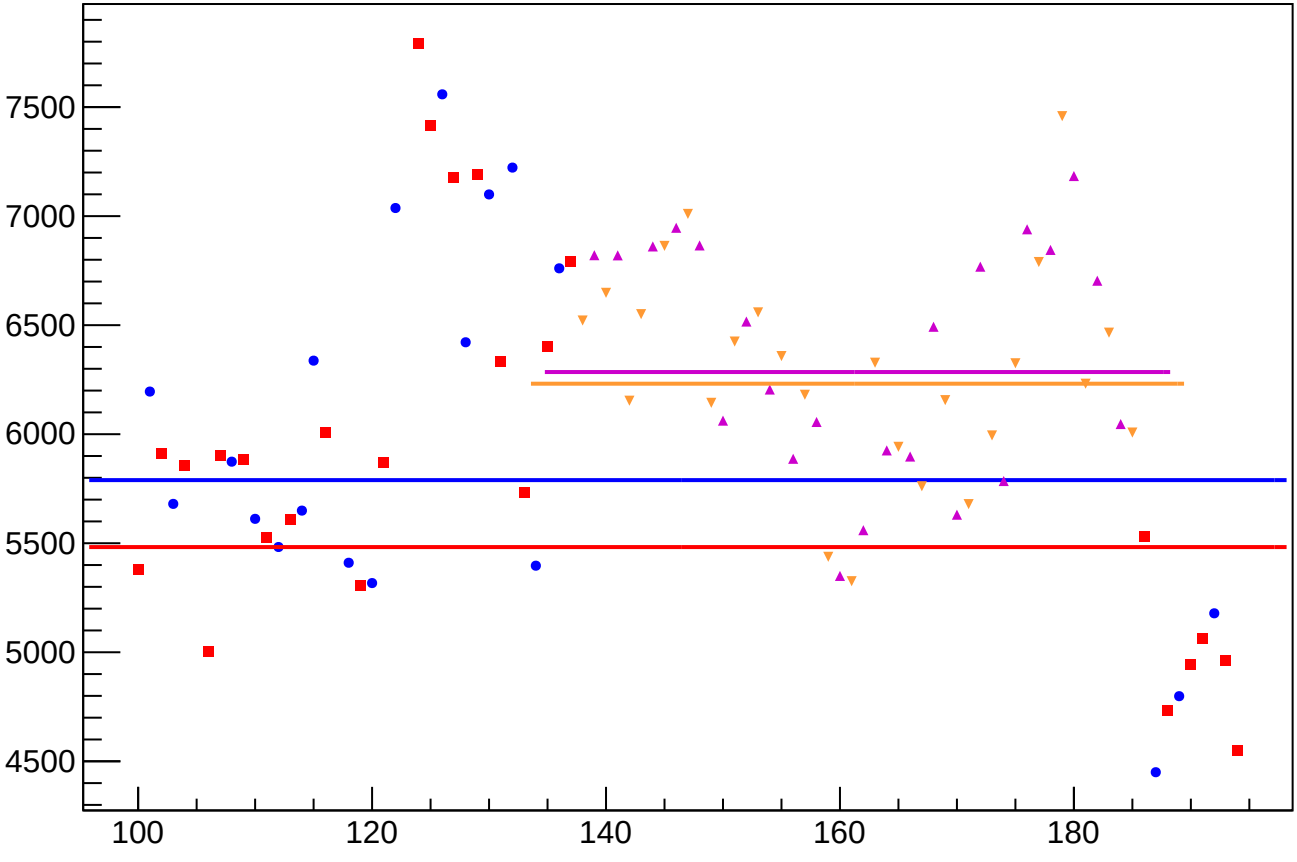
Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -3.163+/-1.153 χ^2/NDF: 76.1/43

All: 3.183+/-0.798 χ^2/NDF: 195.5/91

- sign 9.006+/-1.105 χ^2/NDF: 61.3/47

diff_bpm0l05X_rms vs Slug



Right In: 5789.424+/-1.386 χ^2/NDF: 318228.4/18

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5482.356+/-1.174 χ^2/NDF: 410183.9/24

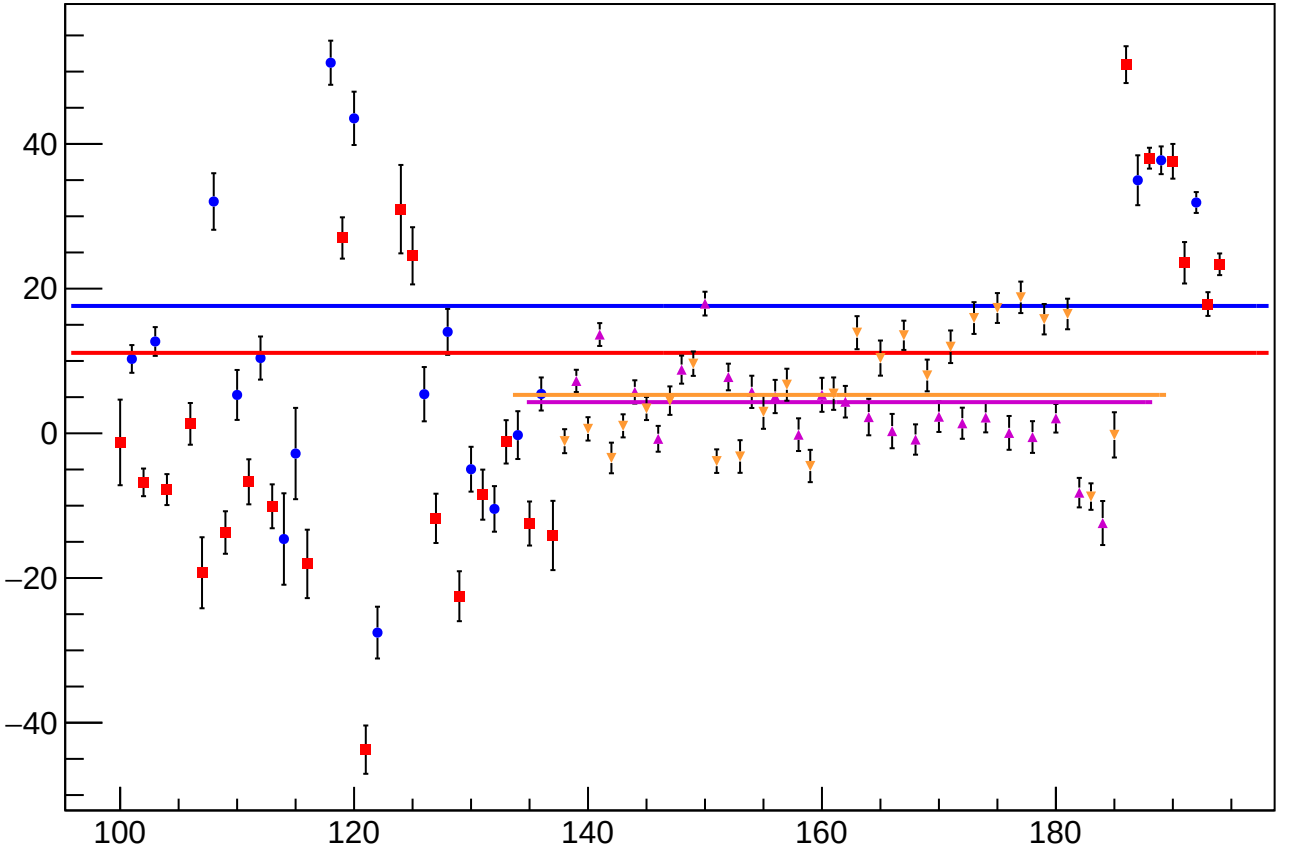
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 6078.515+/-0.816 χ^2/NDF: 611720.0/43

All: 6000.987+/-0.564 χ^2/NDF: 1565051.6/91

- sign 5929.840+/-0.781 χ^2/NDF: 936000.0/47

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: 11.121+/-0.525 χ^2/NDF: 1828.7/24

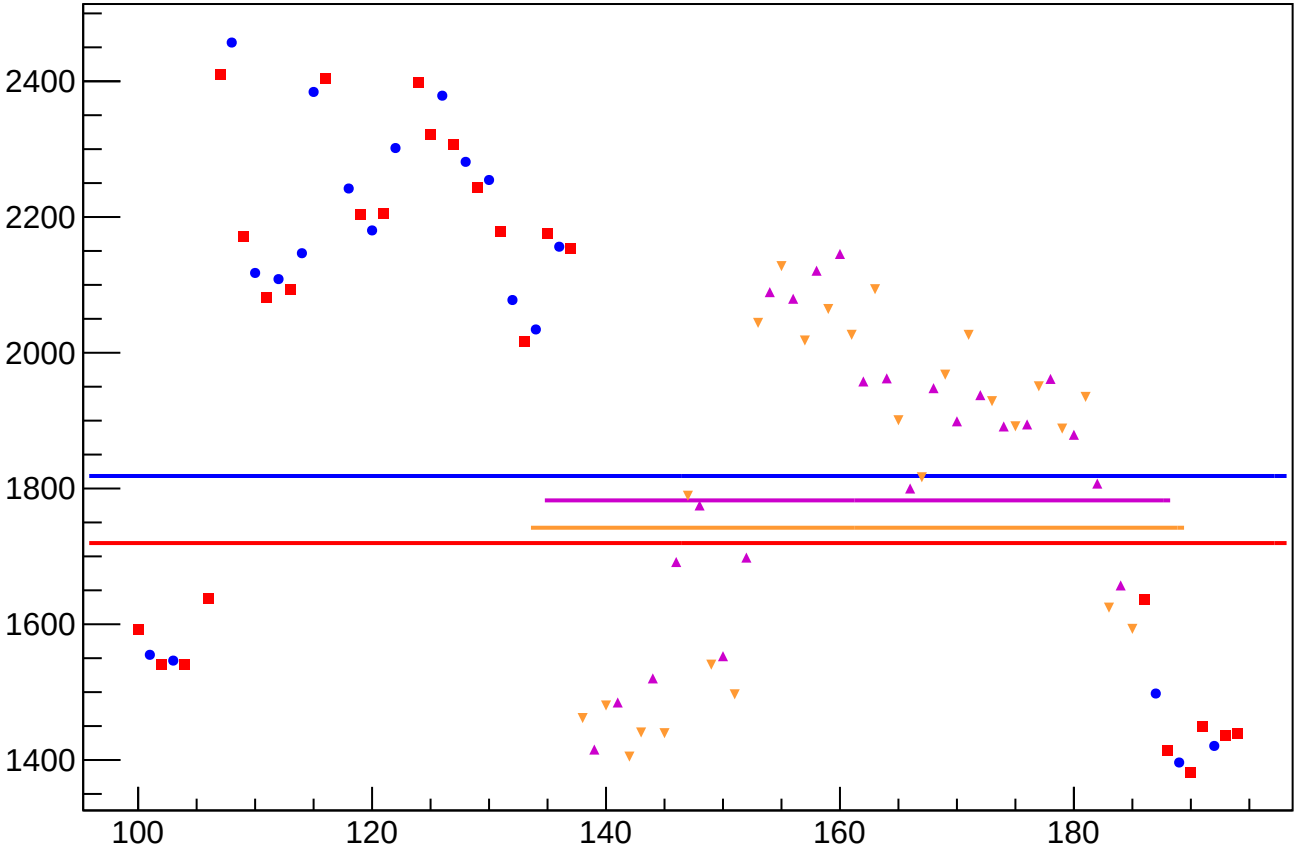
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

+ sign 8.921+/-0.337 χ^2/NDF: 1510.2/43

All: 7.919+/-0.235 χ^2/NDF: 3679.0/91

- sign 6.967+/-0.328 χ^2/NDF: 2151.6/47

diff_bpm0l05Y_rms vs Slug



Right In: 1818.443+/-0.439 χ^2/NDF: 737299.9/18

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1719.621+/-0.371 χ^2/NDF: 892454.8/24

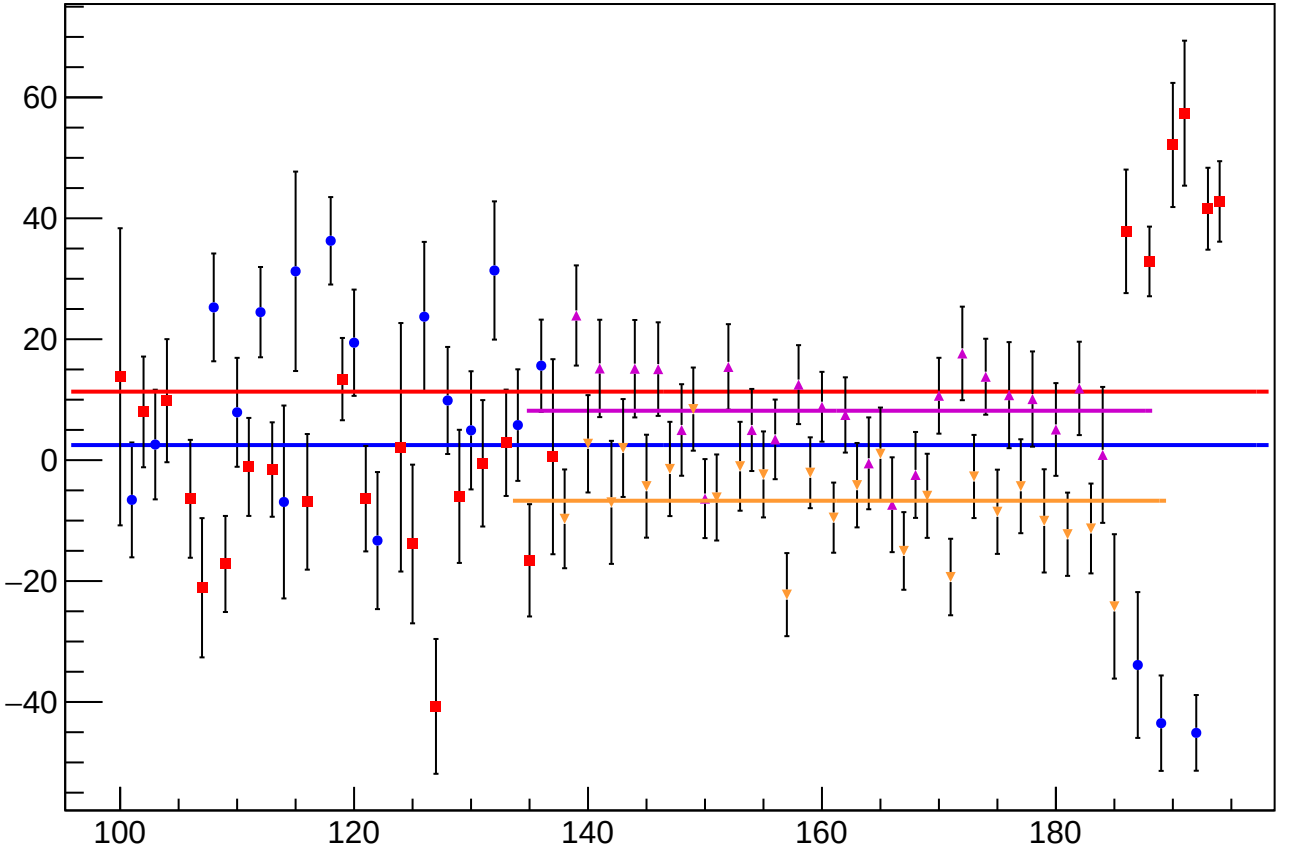
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1764.590+/-0.238 χ^2/NDF: 1526243.2/43

All: 1761.199+/-0.166 χ^2/NDF: 2970947.7/91

- sign 1757.976+/-0.232 χ^2/NDF: 1444308.5/47

diff_bpm0l06X_mean vs Slug



Right In: 2.493+/-2.093 χ^2/NDF: 161.4/18

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: 11.331+/-1.844 χ^2/NDF: 169.6/24

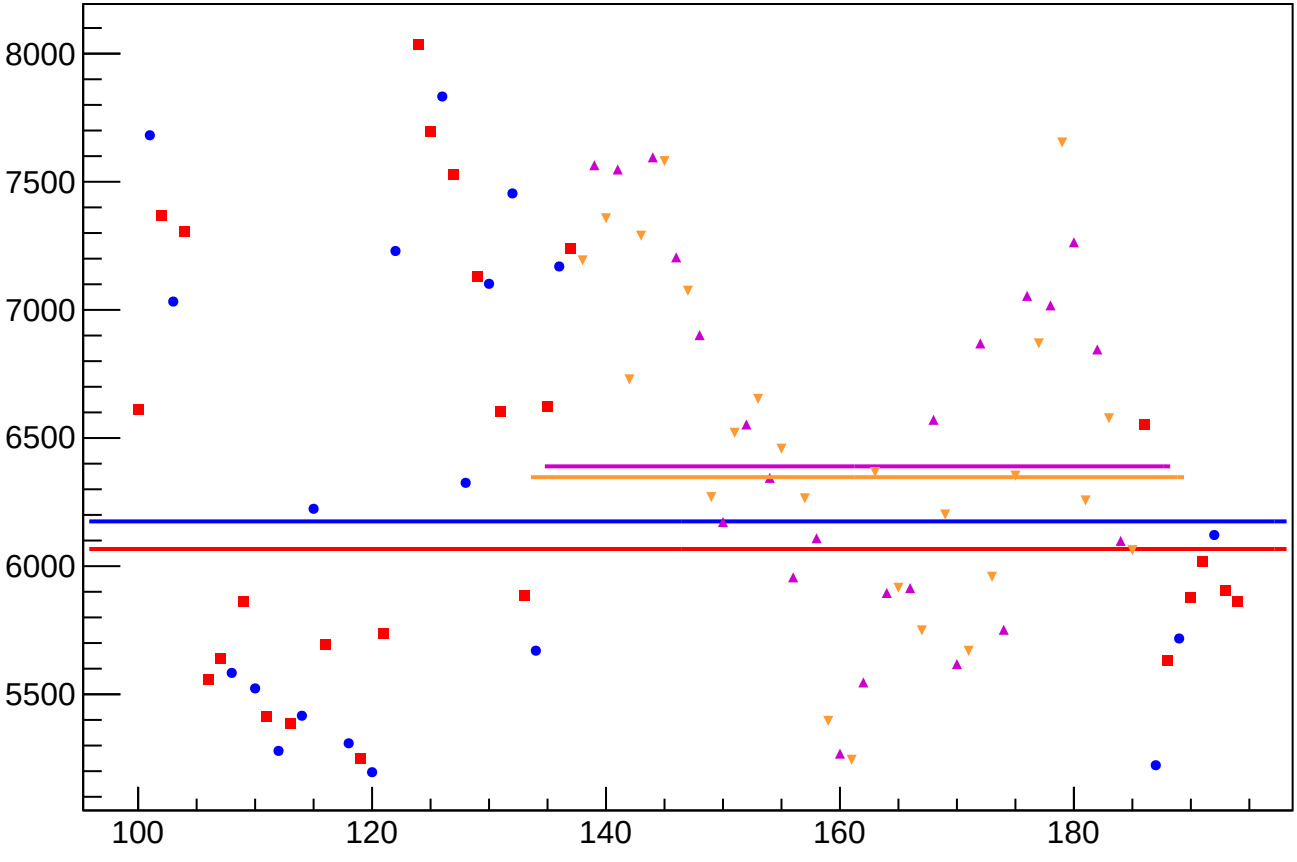
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -3.705+/-1.196 χ^2/NDF: 200.1/43

All: 3.021+/-0.836 χ^2/NDF: 457.4/91

- sign 9.439+/-1.168 χ^2/NDF: 195.5/47

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: 6067.024+/-1.304 χ^2/NDF: 288414.8/24

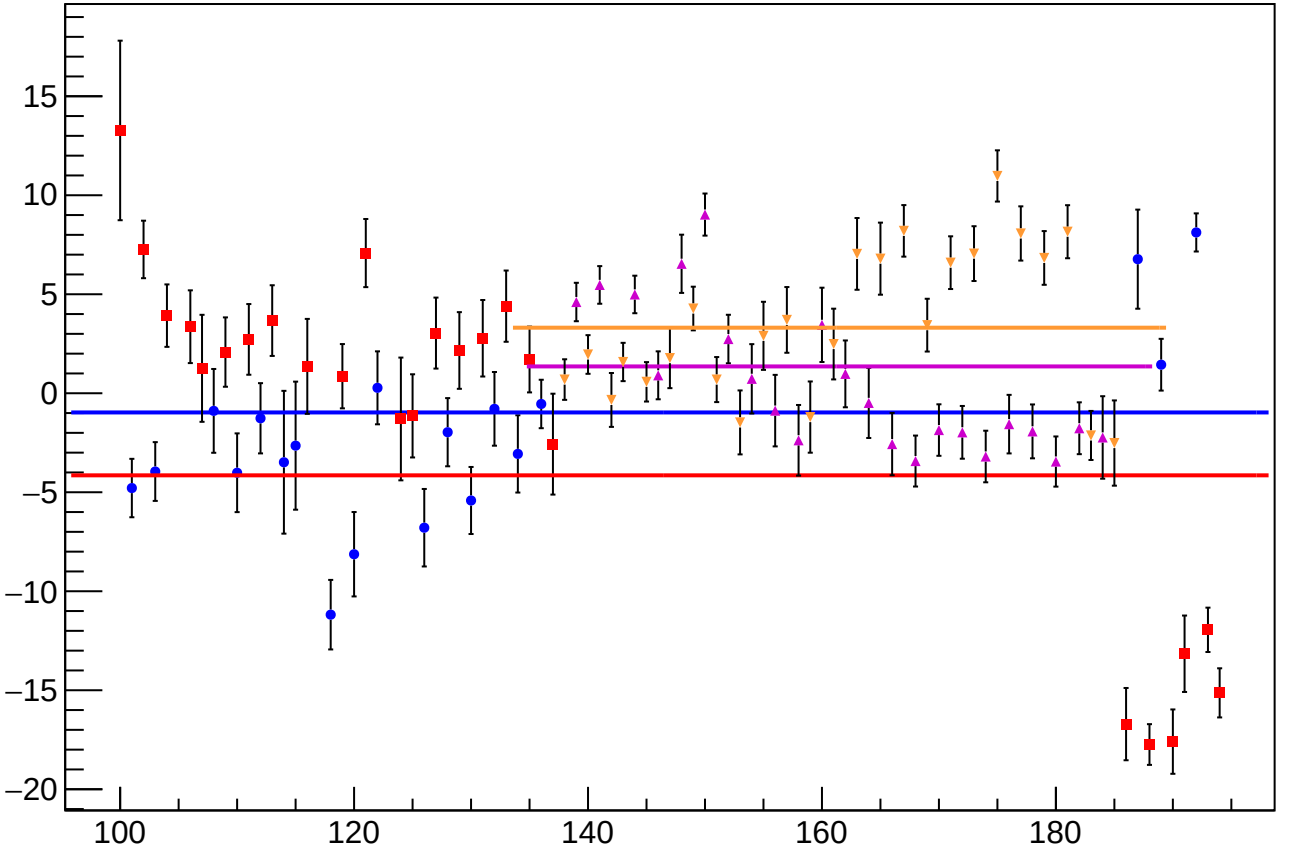
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6290.908+/-0.846 χ^2/NDF: 725671.9/43

All: 6275.122+/-0.591 χ^2/NDF: 1471109.6/91

- sign 6260.060+/-0.826 χ^2/NDF: 744757.0/47

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: -4.146+/-0.342 χ^2/NDF: 744.4/24

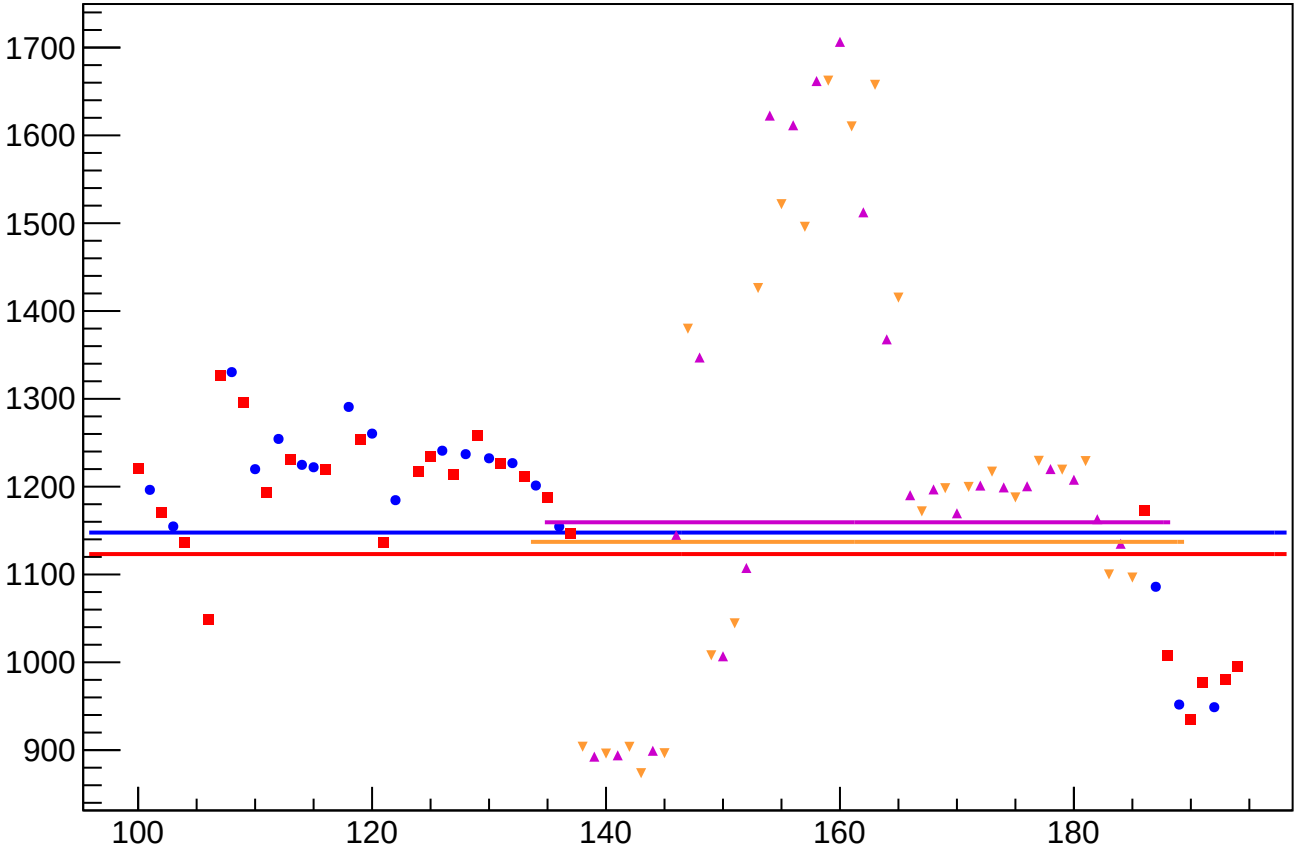
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.944+/-0.218 χ^2/NDF: 440.5/43

All: 0.543+/-0.153 χ^2/NDF: 1618.9/91

- sign -0.820+/-0.215 χ^2/NDF: 1097.0/47

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: 1123.238+/-0.242 χ^2/NDF: 218627.4/24

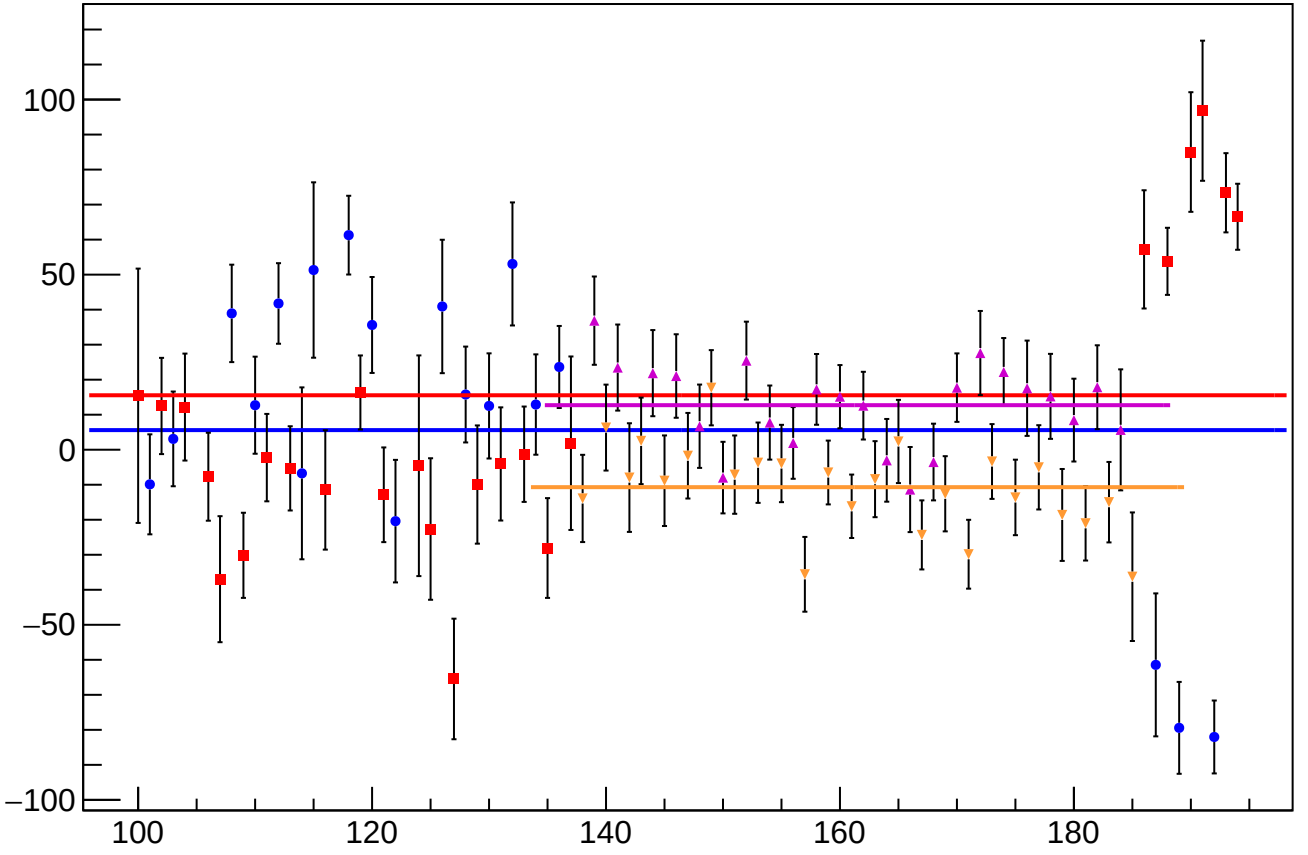
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

\+ sign 1140.527+/-0.154 χ^2/NDF: 1670811.2/43

All: 1142.856+/-0.108 χ^2/NDF: 3163215.9/91

\- sign 1145.120+/-0.152 χ^2/NDF: 1491955.3/47

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: 15.550+/-2.849 χ^2/NDF: 189.7/24

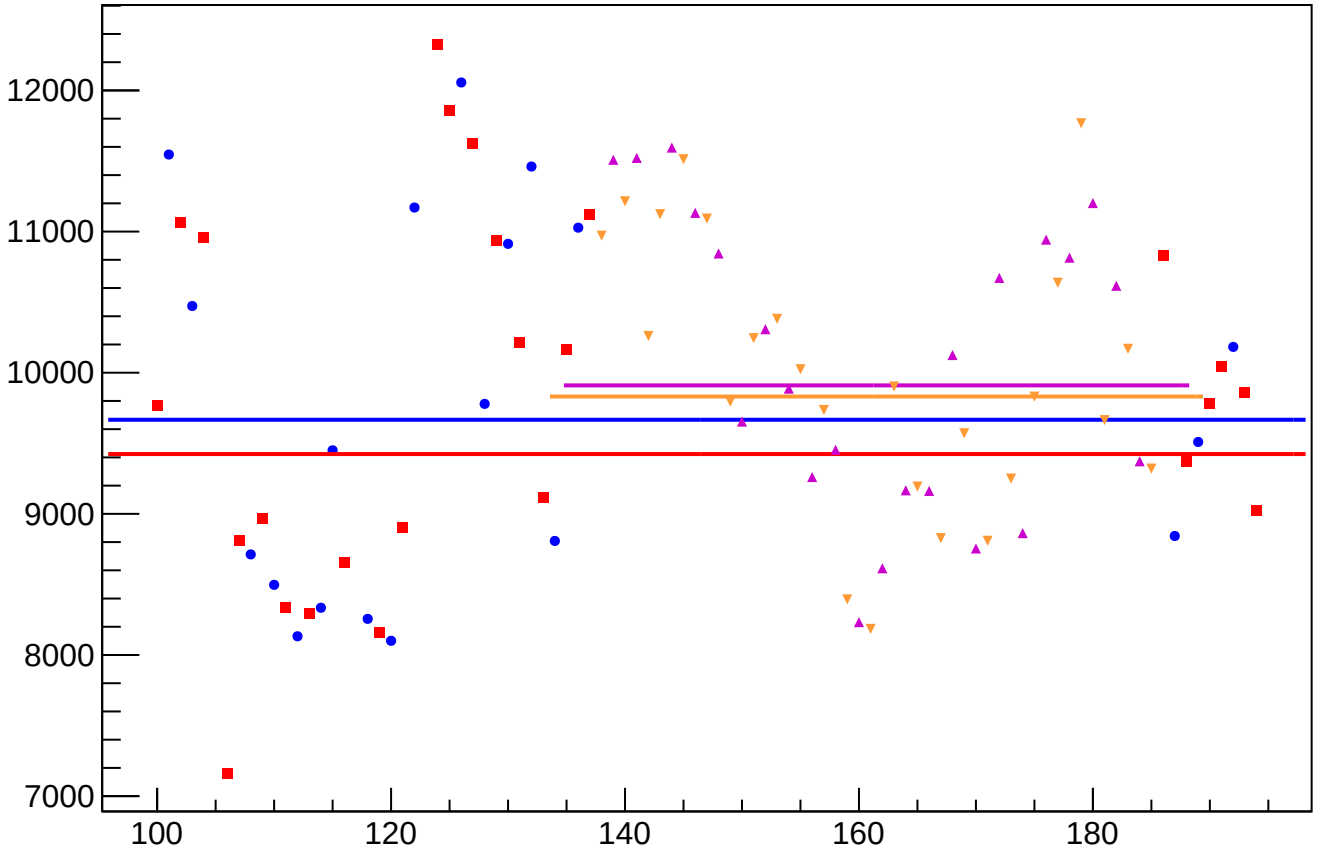
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

\+ sign -5.442+/-1.858 χ^2/NDF: 235.5/43

All: 4.469+/-1.296 χ^2/NDF: 505.3/91

\- sign 13.860+/-1.809 χ^2/NDF: 214.3/47

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: 9423.635+/-2.014 χ^2/NDF: 325892.1/24

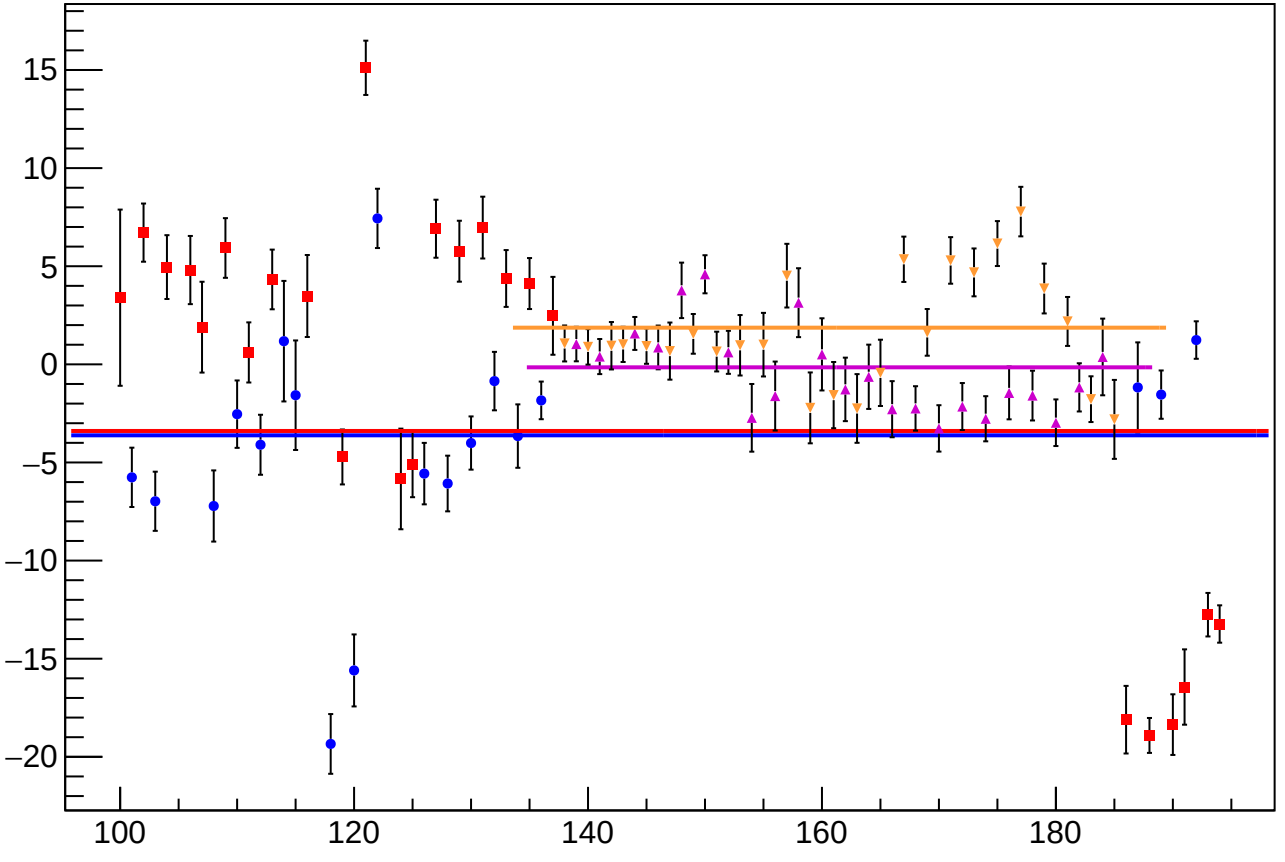
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9778.231+/-1.314 χ^2/NDF: 647761.9/43

All: 9745.318+/-0.916 χ^2/NDF: 1399088.5/91

- sign 9714.134+/-1.279 χ^2/NDF: 750104.4/47

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: -3.395+/-0.298 χ^2/NDF: 1258.0/24

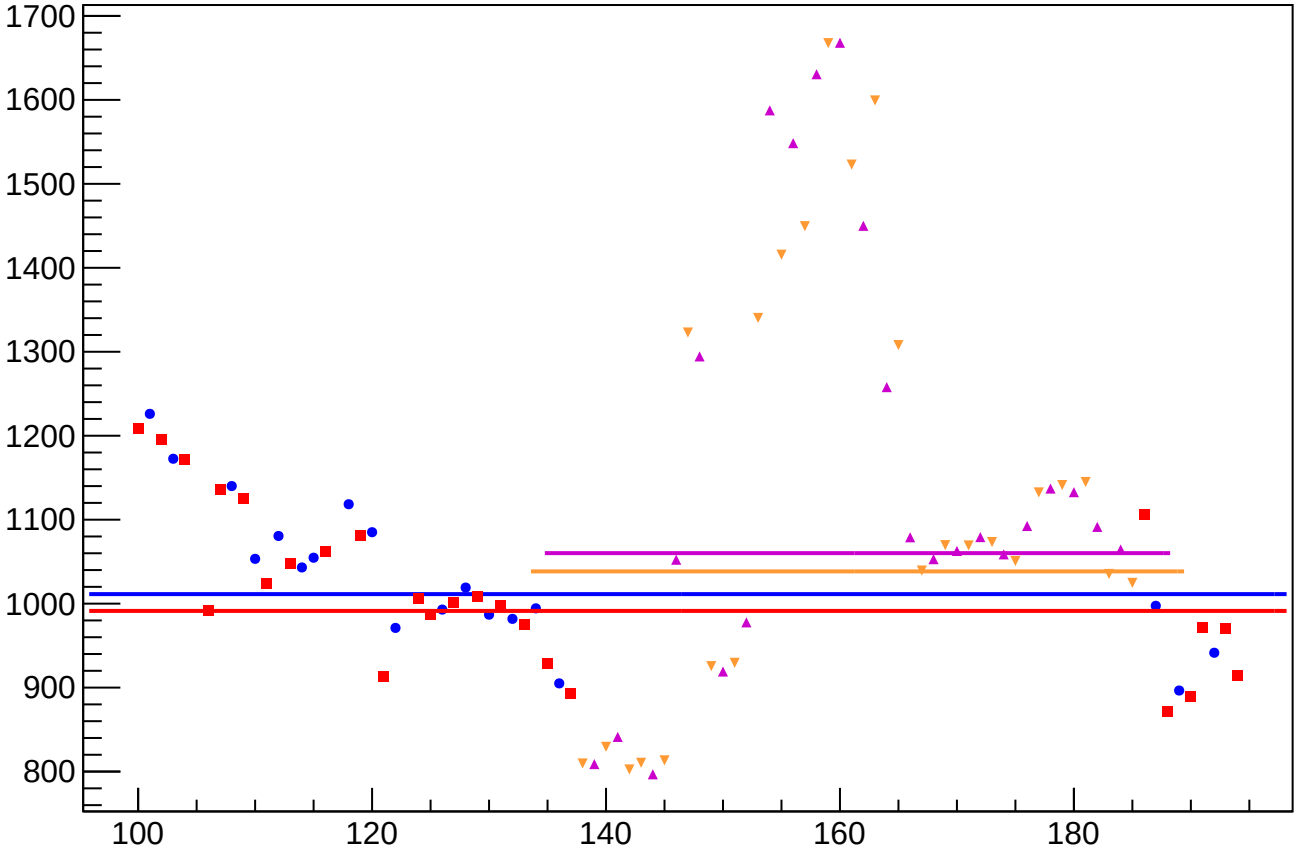
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.016+/-0.197 χ^2/NDF: 534.4/43

All: -0.768+/-0.138 χ^2/NDF: 1967.4/91

- sign -1.520+/-0.194 χ^2/NDF: 1402.2/47

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: 991.335+/-0.211 χ^2/NDF: 189043.4/24

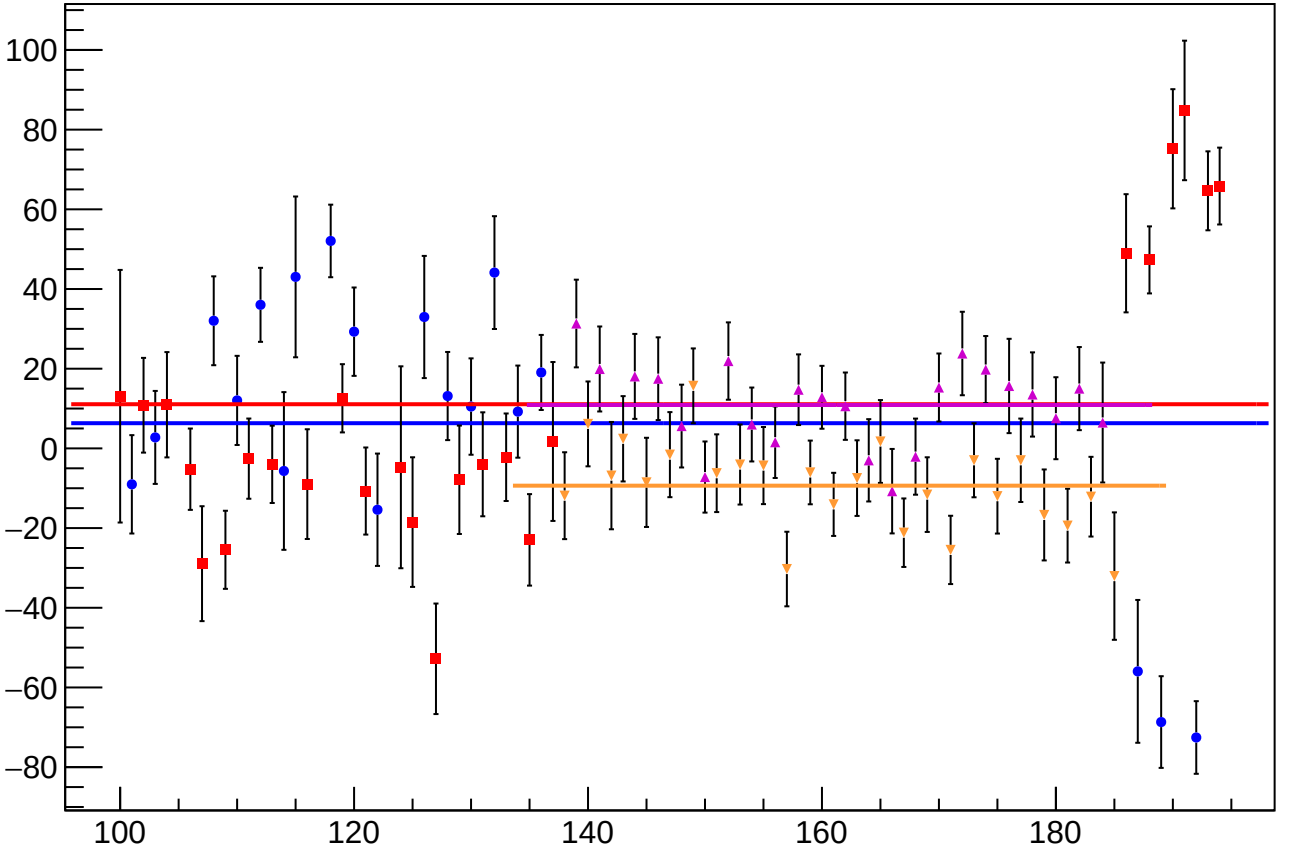
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1029.265+/-0.140 χ^2/NDF: 1863671.5/43

All: 1030.217+/-0.098 χ^2/NDF: 3637733.6/91

- sign 1031.131+/-0.137 χ^2/NDF: 1773971.1/47

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: 11.086+/-2.398 χ^2/NDF: 195.8/24

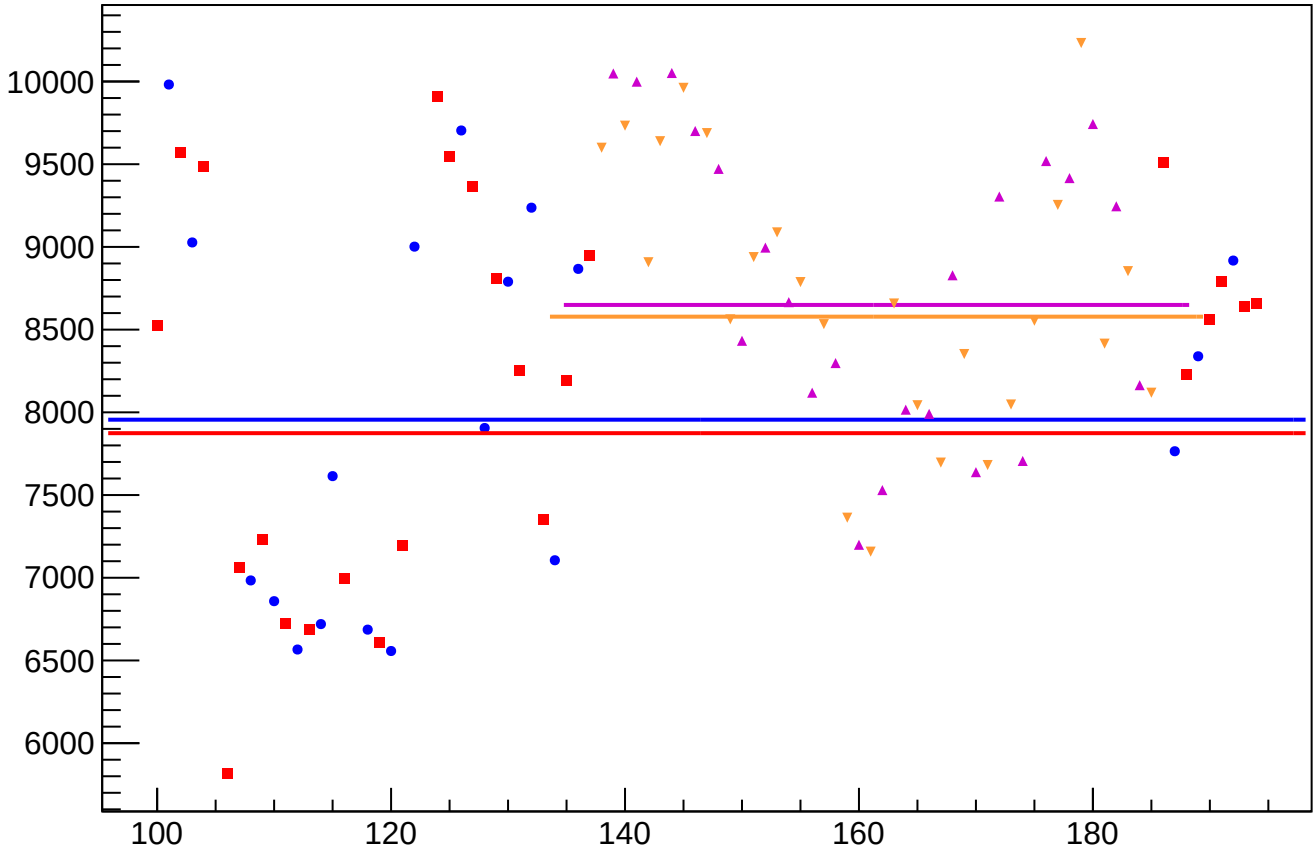
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -3.903+/-1.590 χ^2/NDF: 245.6/43

All: 3.703+/-1.112 χ^2/NDF: 509.7/91

- sign 10.973+/-1.555 χ^2/NDF: 219.4/47

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: 7874.060+/-1.695 χ^2/NDF: 426152.5/24

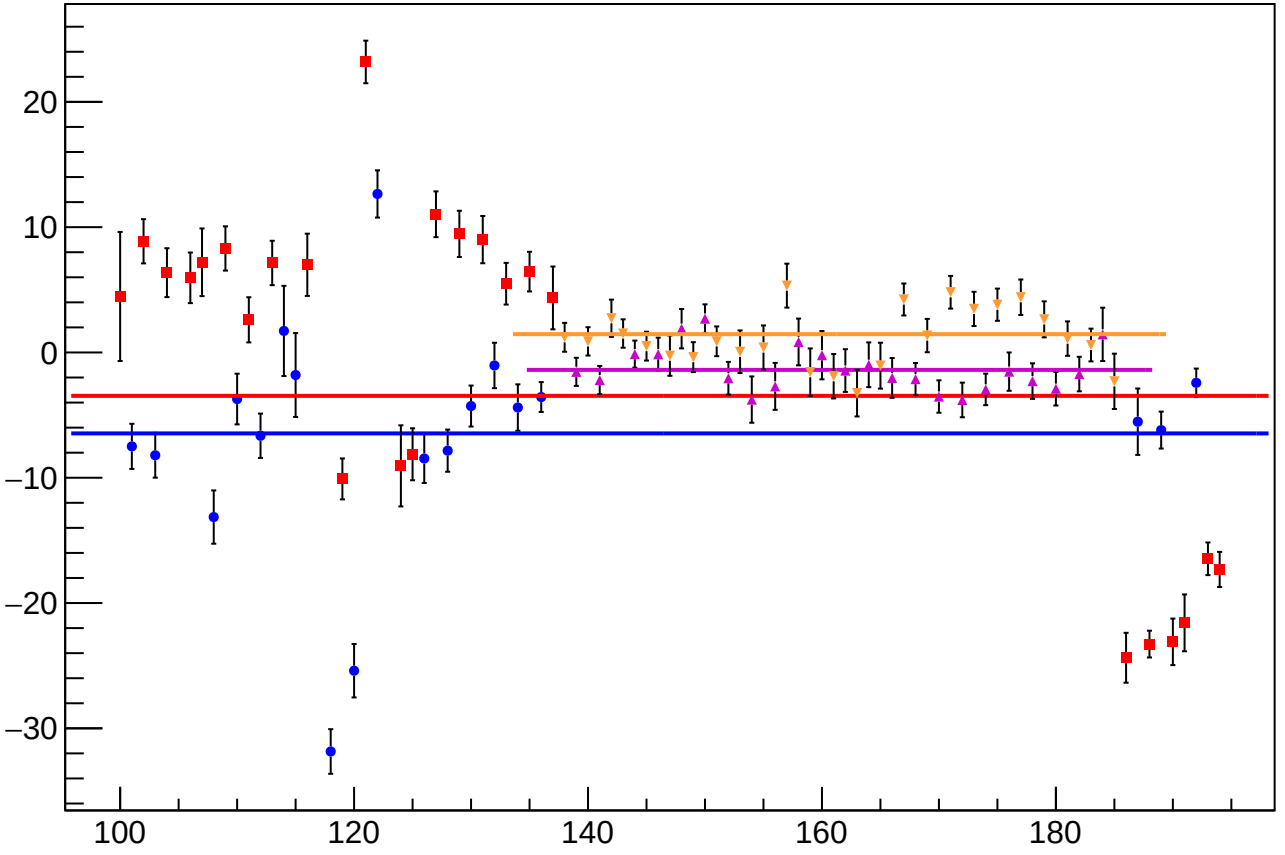
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8361.823+/-1.125 χ^2/NDF: 759461.9/43

All: 8342.100+/-0.786 χ^2/NDF: 1685291.1/91

- sign 8323.248+/-1.099 χ^2/NDF: 925227.6/47

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: -3.462+/-0.361 χ^2/NDF: 1554.2/24

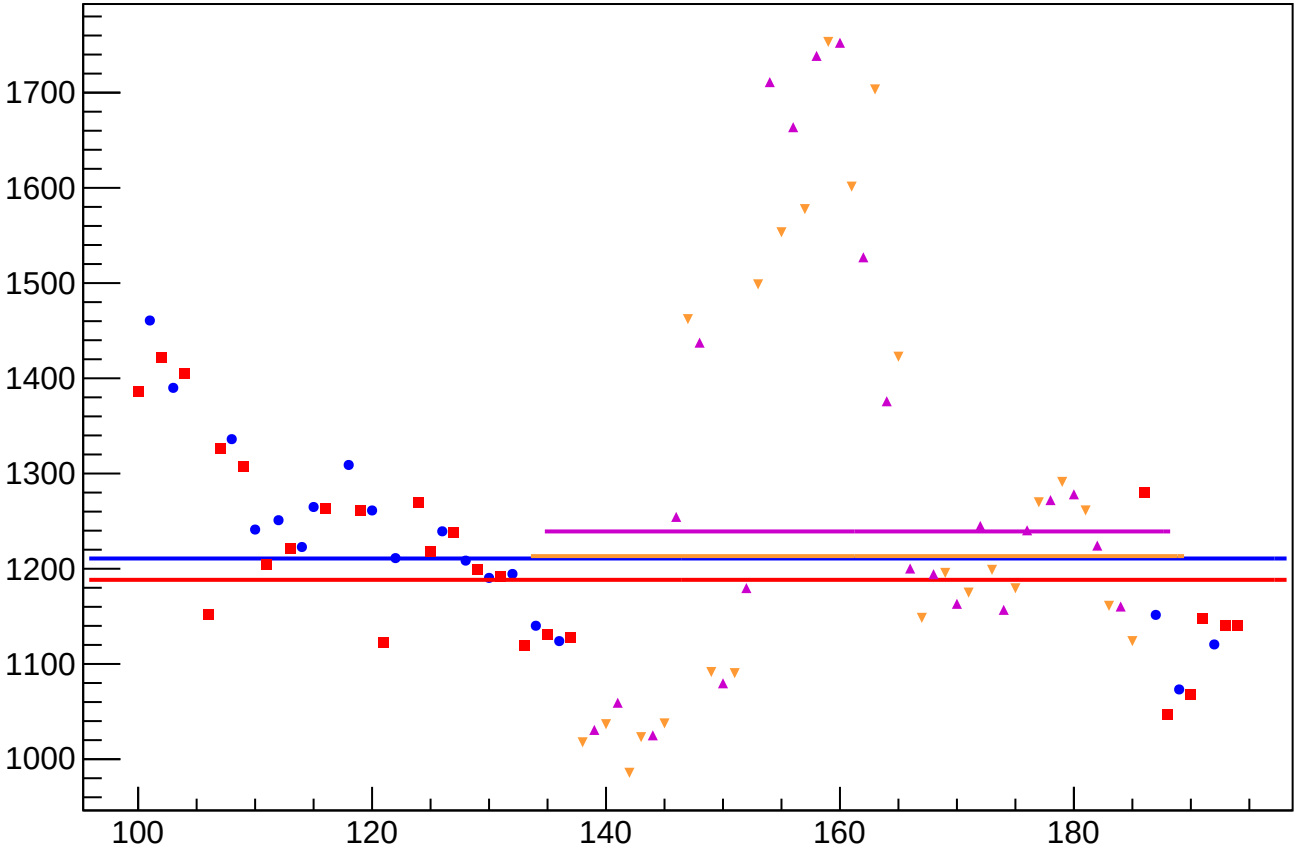
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.095+/-0.231 χ^2/NDF: 745.8/43

All: -1.663+/-0.162 χ^2/NDF: 2367.3/91

- sign -2.217+/-0.228 χ^2/NDF: 1609.6/47

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: 1188.349+/-0.255 χ^2/NDF: 150989.0/24

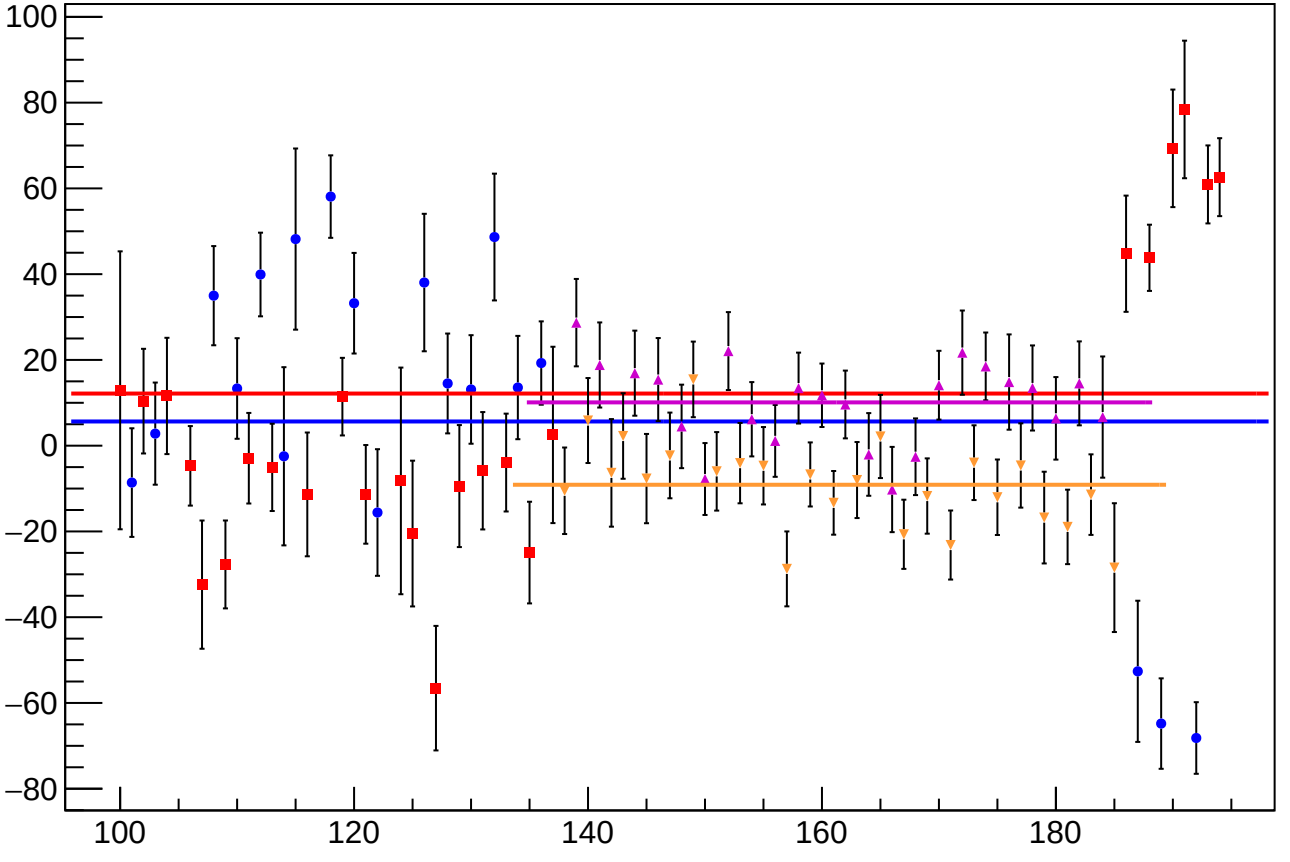
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1212.456+/-0.163 χ^2/NDF: 1133027.5/43

All: 1215.714+/-0.115 χ^2/NDF: 2194204.8/91

- sign 1218.895+/-0.161 χ^2/NDF: 1060390.4/47

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: 12.156+/-2.393 χ^2/NDF: 198.4/24

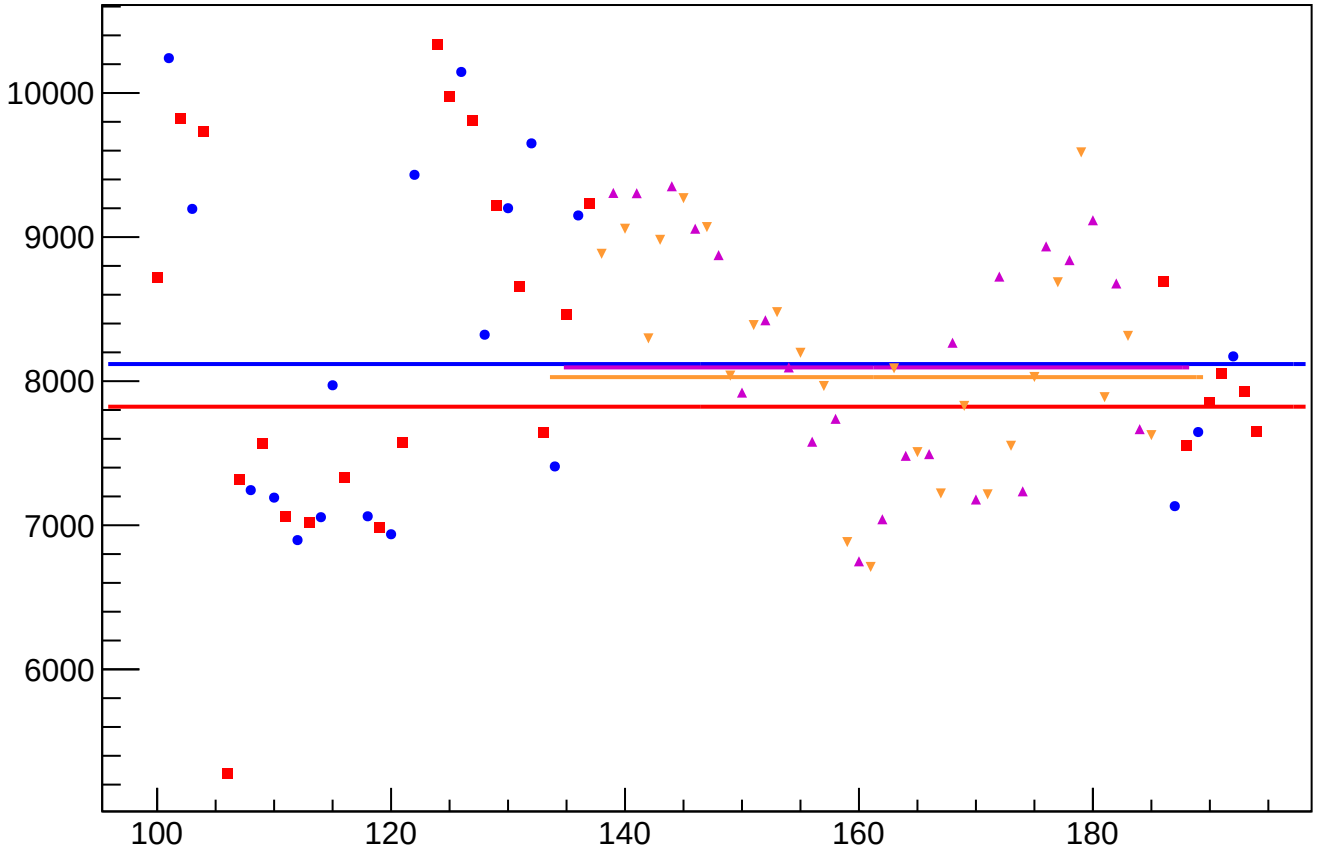
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -4.539+/-1.530 χ^2/NDF: 261.9/43

All: 3.368+/-1.069 χ^2/NDF: 537.2/91

- sign 10.898+/-1.493 χ^2/NDF: 223.2/47

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: 7822.863+/-1.692 χ^2/NDF: 435114.5/24

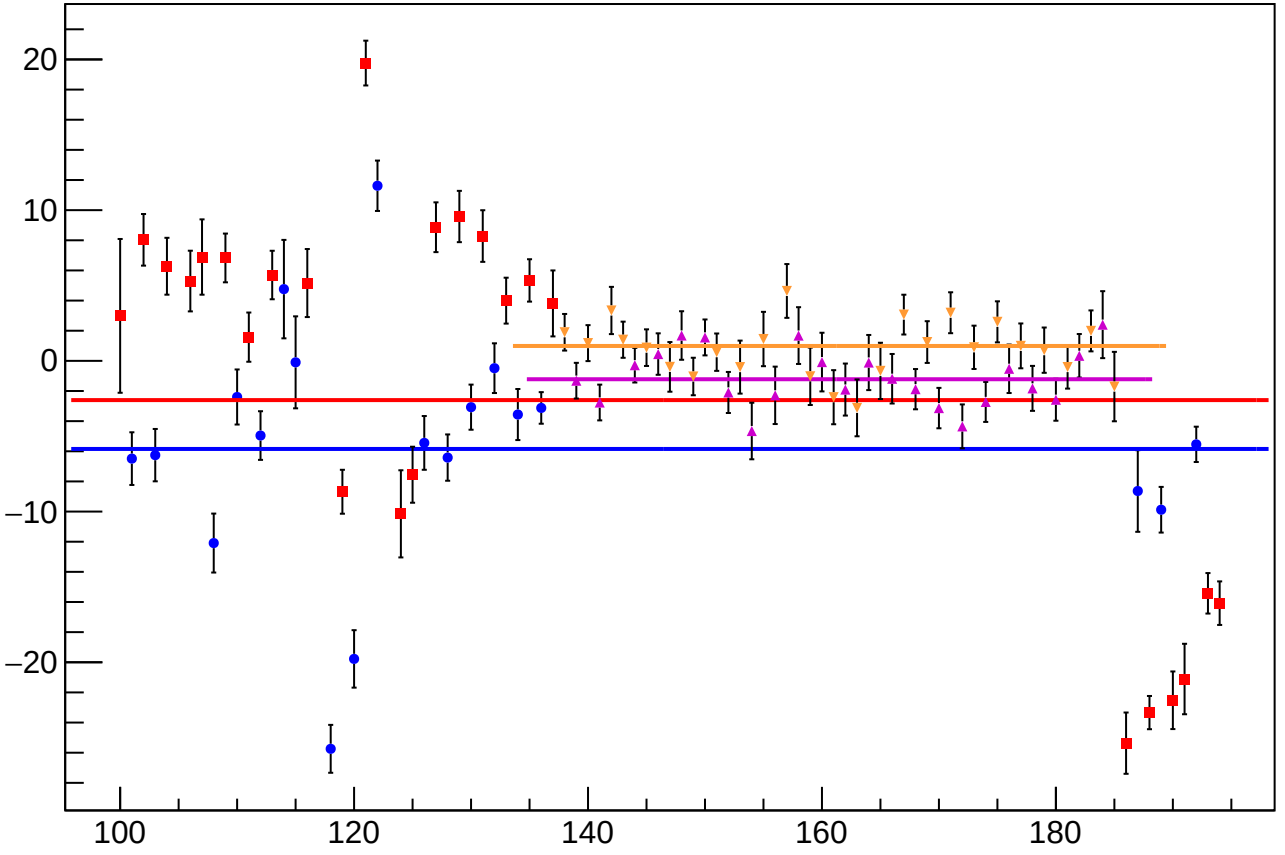
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 8056.186+/-1.082 χ^2/NDF: 636811.9/43

All: 8021.896+/-0.756 χ^2/NDF: 1457171.1/91

- sign 7989.245+/-1.056 χ^2/NDF: 818399.2/47

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: -2.604+/-0.343 χ^2/NDF: 1456.1/24

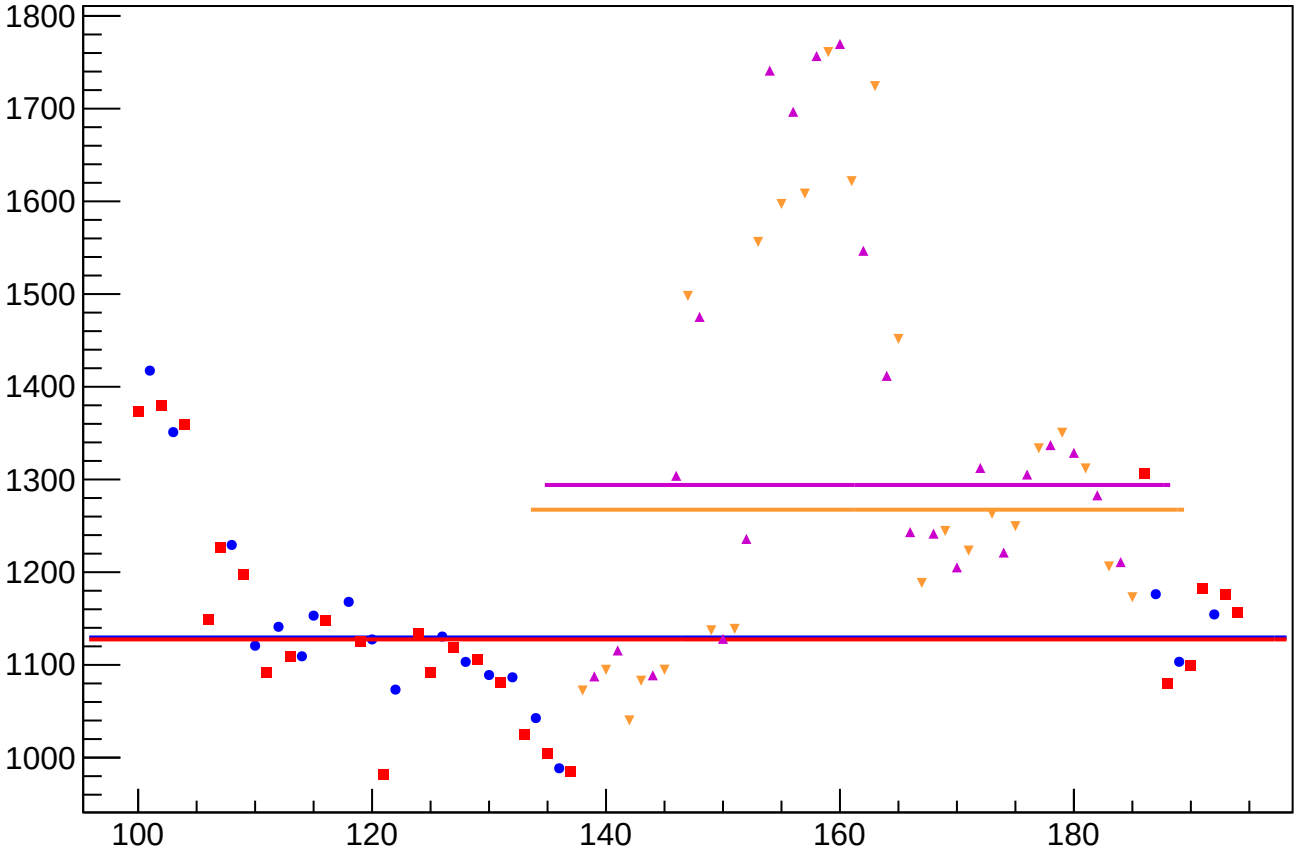
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.557+/-0.232 χ^2/NDF: 613.2/43

All: -1.697+/-0.163 χ^2/NDF: 2112.1/91

- sign -1.834+/-0.229 χ^2/NDF: 1498.2/47

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: 1127.503+/-0.243 χ^2/NDF: 165637.9/24

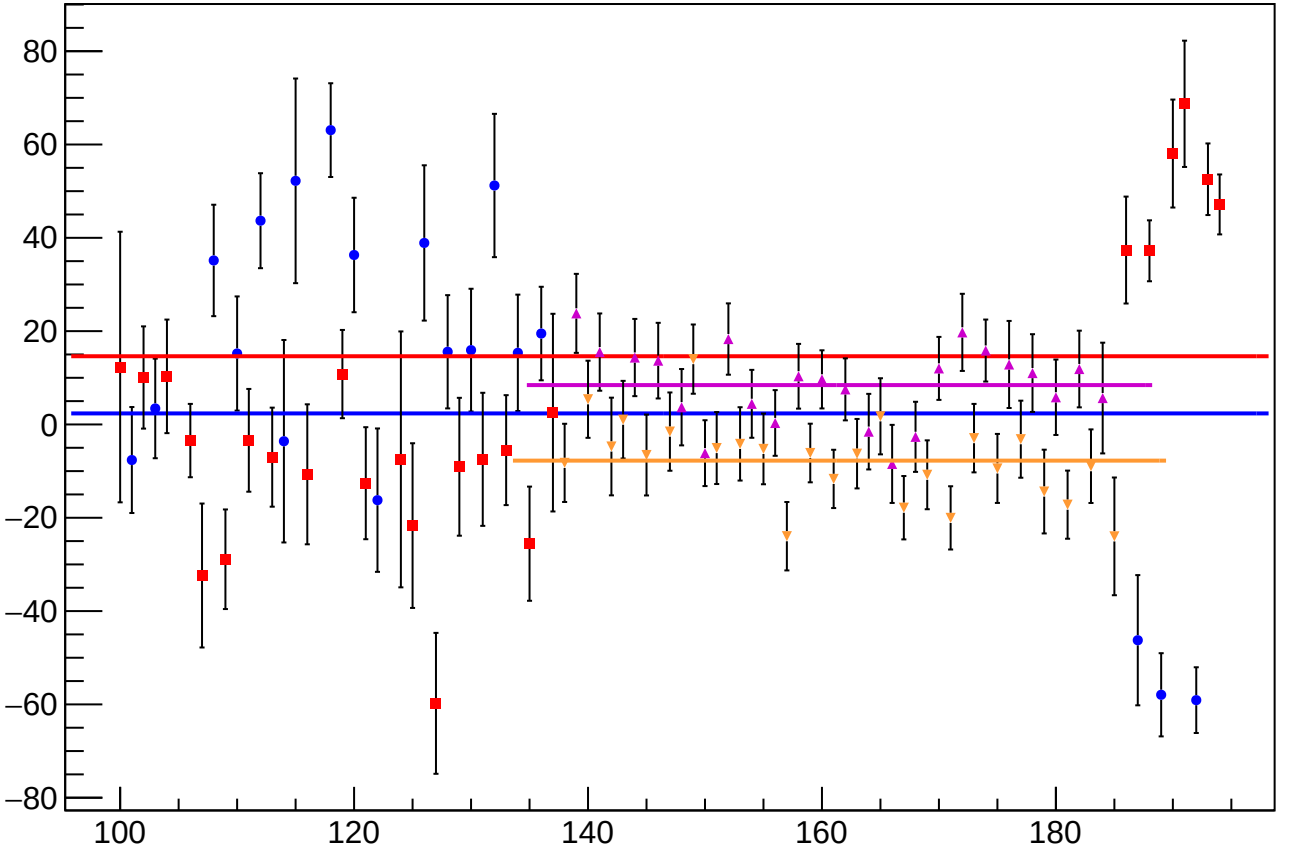
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1216.071+/-0.164 χ^2/NDF: 1186733.0/43

All: 1218.128+/-0.115 χ^2/NDF: 2372978.7/91

- sign 1220.133+/-0.162 χ^2/NDF: 1185934.2/47

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: 14.620+/-2.209 χ^2/NDF: 190.7/24

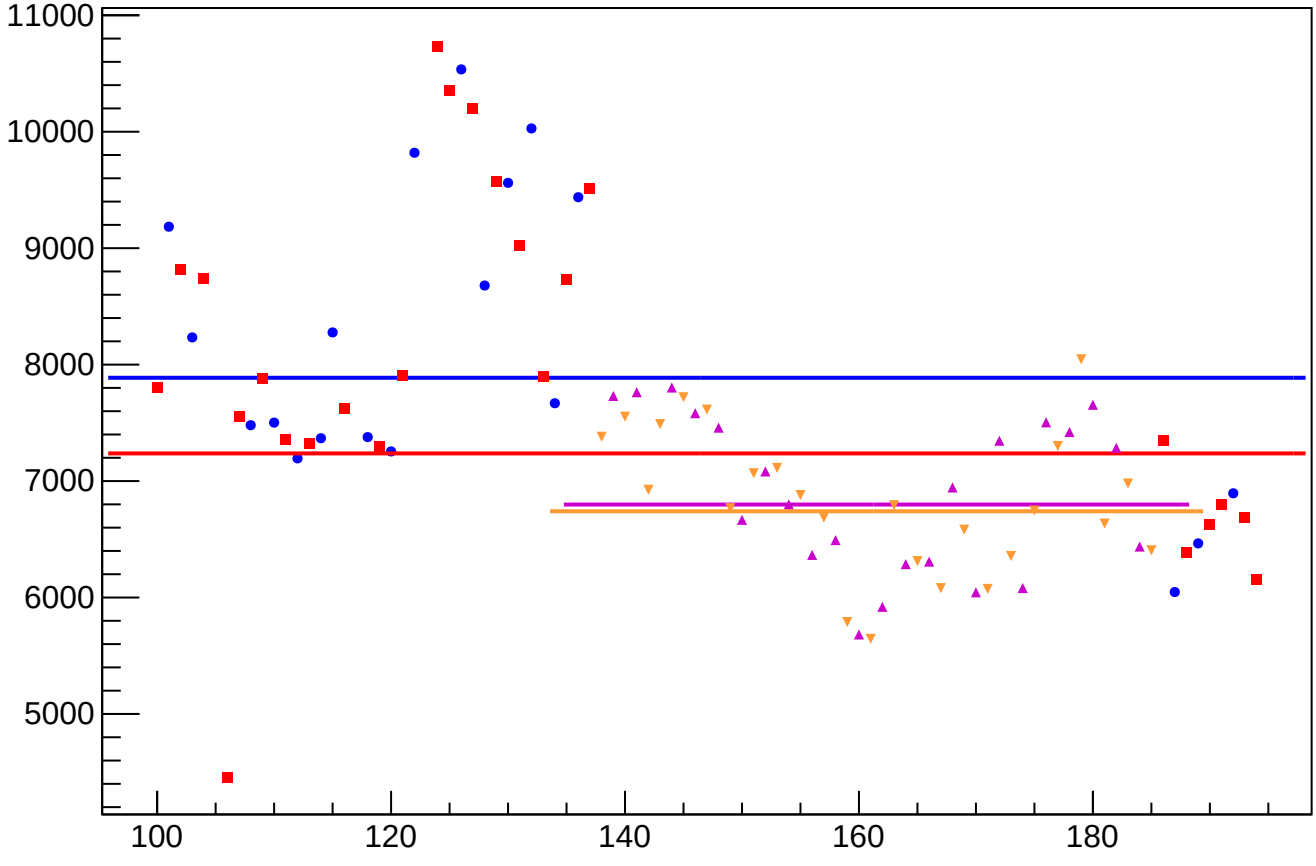
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -5.220+/-1.339 χ^2/NDF: 273.1/43

All: 2.921+/-0.932 χ^2/NDF: 565.4/91

- sign 10.572+/-1.298 χ^2/NDF: 220.6/47

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: 7237.600+/-1.562 χ^2/NDF: 760606.9/24

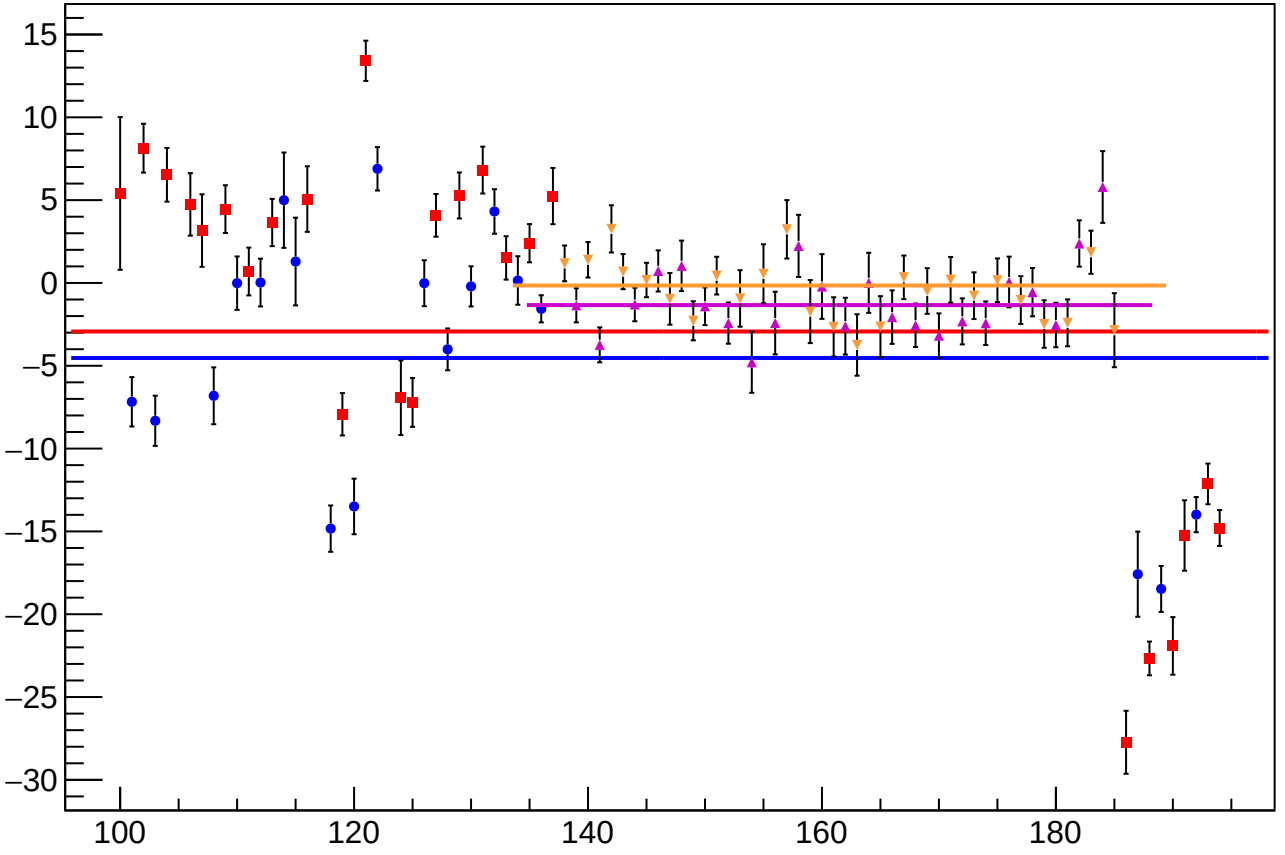
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 7027.710+/-0.947 χ^2/NDF: 981518.8/43

All: 6987.730+/-0.659 χ^2/NDF: 2150573.3/91

- sign 6950.150+/-0.918 χ^2/NDF: 1165596.4/47

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: -2.931+/-0.293 χ^2/NDF: 1439.4/24

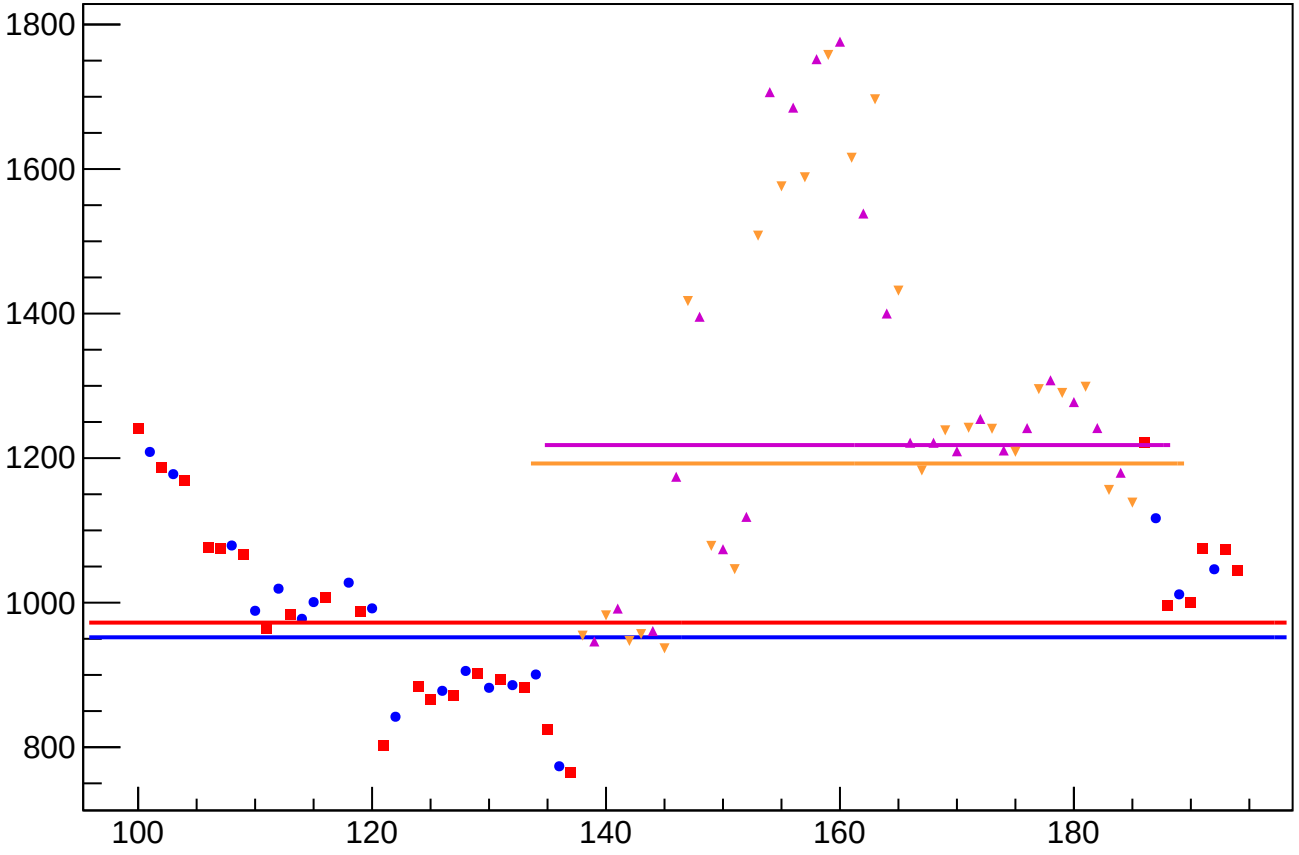
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -2.017+/-0.210 χ^2/NDF: 642.3/43

All: -2.073+/-0.147 χ^2/NDF: 2140.8/91

- sign -2.126+/-0.206 χ^2/NDF: 1498.3/47

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: 972.400+/-0.207 χ^2/NDF: 311012.8/24

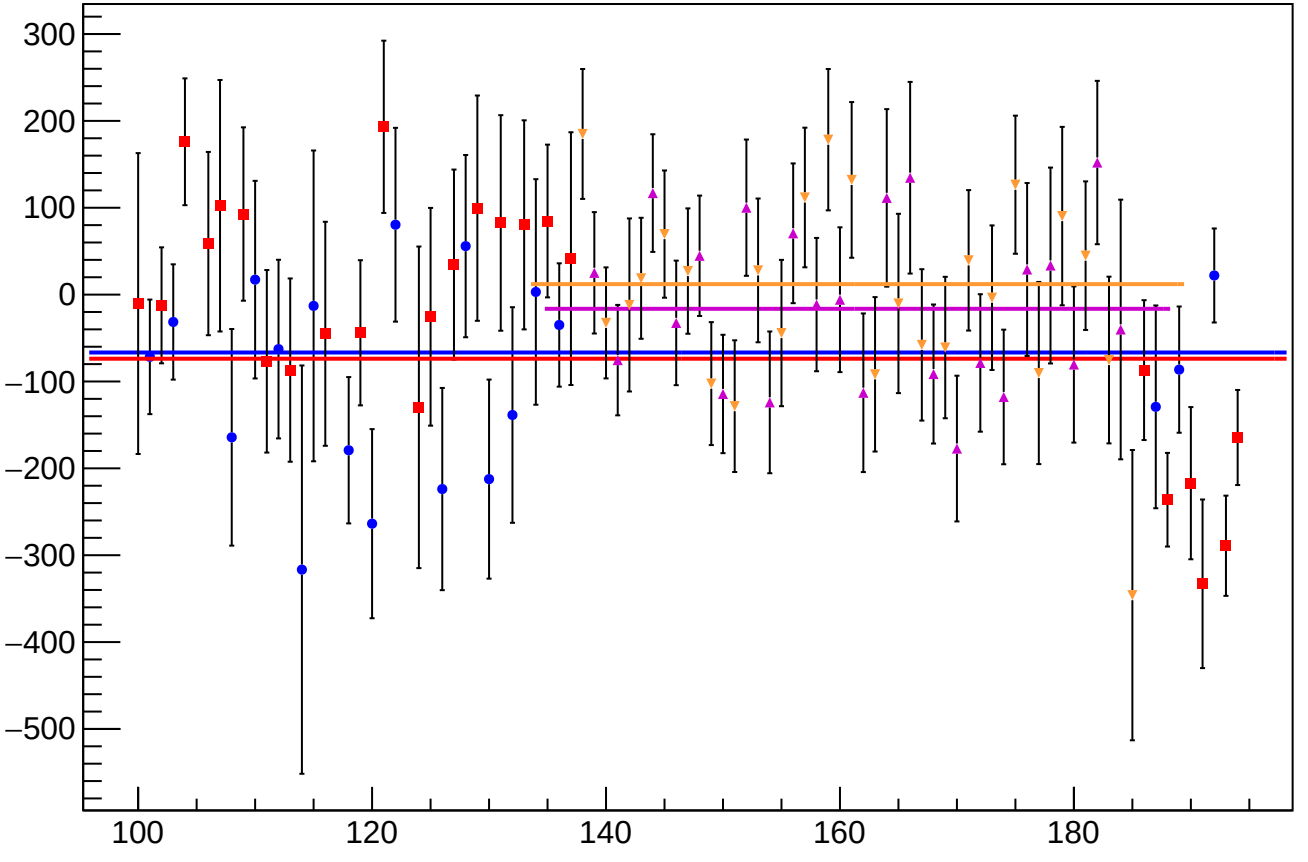
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1090.089+/-0.148 χ^2/NDF: 2250778.6/43

All: 1093.323+/-0.104 χ^2/NDF: 4400284.3/91

- sign 1096.453+/-0.146 χ^2/NDF: 2148568.7/47

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

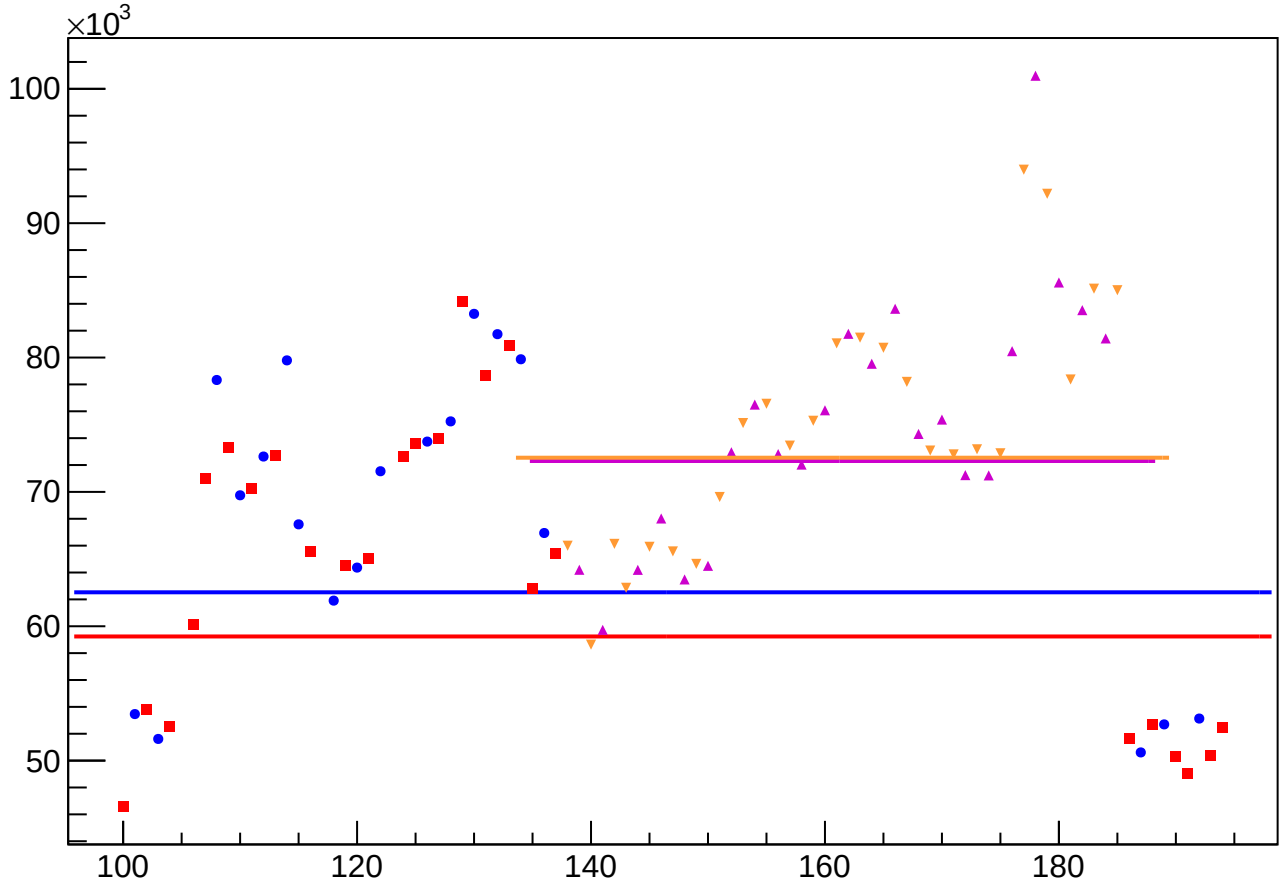
Right Out: -73.787+/-18.005 χ^2/NDF: 71.7/24

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

\+ sign -17.779+/-13.084 χ^2/NDF: 59.4/43

All: -31.334+/-8.988 χ^2/NDF: 167.2/91

\- sign -43.445+/-12.368 χ^2/NDF: 105.8/47



Right In: 62527.288+/-15.021 χ^2/NDF: 500003.0/18

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 59240.161+/-12.732 χ^2/NDF: 603532.2/24

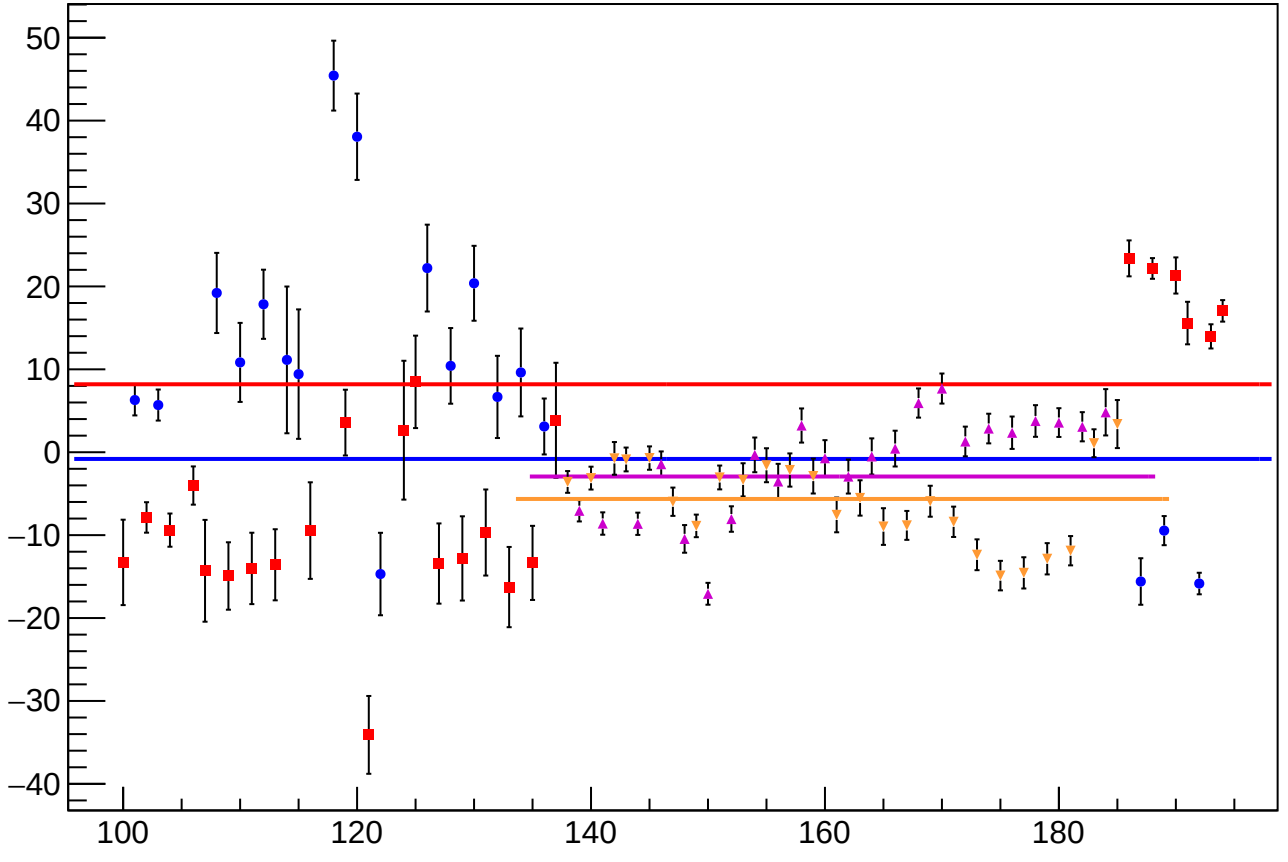
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 68744.359+/-9.252 χ^2/NDF: 1276075.1/43

All: 67368.040+/-6.355 χ^2/NDF: 2966101.7/9

- sign 66138.280+/-8.745 χ^2/NDF: 1648122.1/47

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: 8.197+/-0.522 χ^2/NDF: 768.5/24

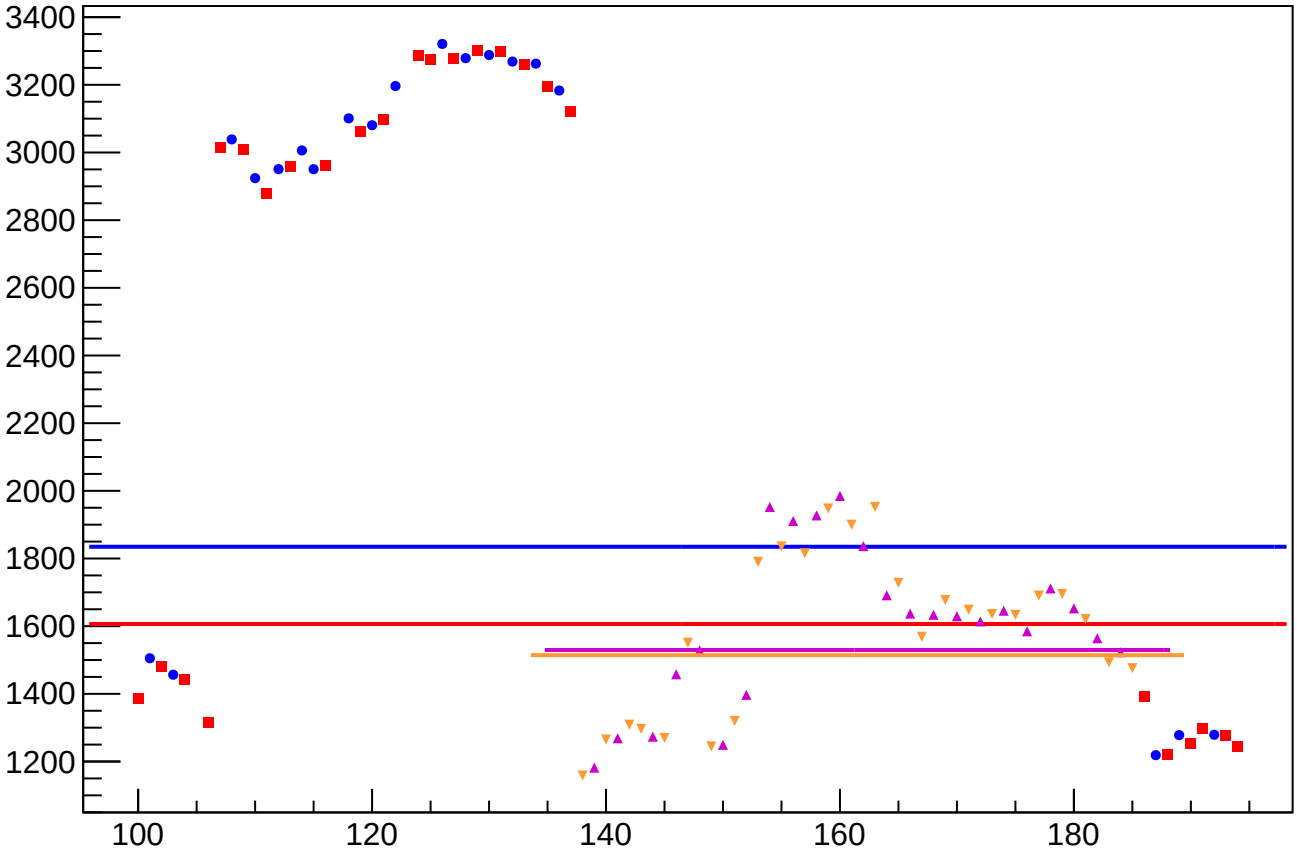
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

\+ sign -4.607+/-0.310 χ^2/NDF: 716.8/43

All: -1.858+/-0.215 χ^2/NDF: 2280.7/91

\- sign 0.684+/-0.298 χ^2/NDF: 1412.2/47

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: 1606.376+/-0.369 χ^2/NDF: 3417334.4/24

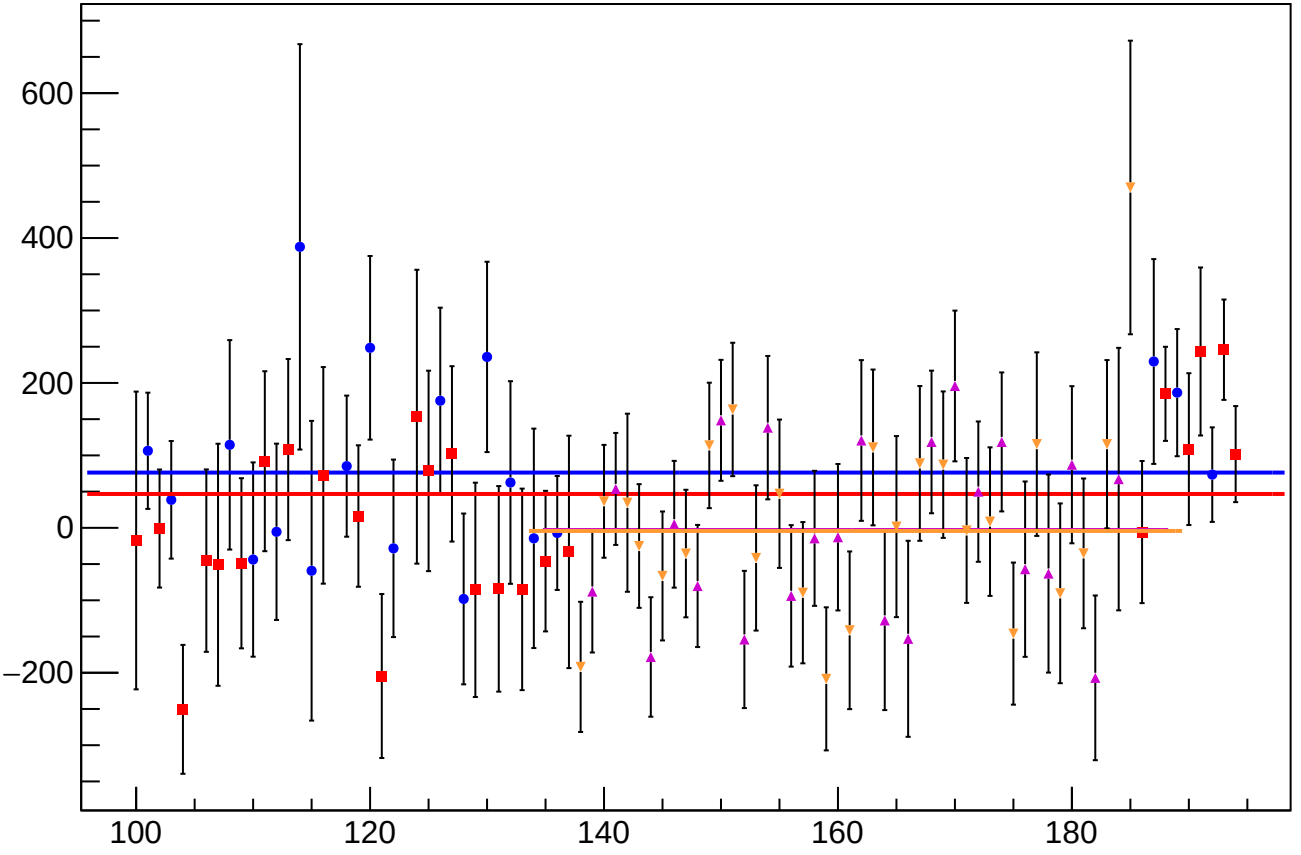
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1582.635+/-0.219 χ^2/NDF: 4193252.0/43

All: 1568.044+/-0.152 χ^2/NDF: 8476758.2/91

- sign 1554.554+/-0.211 χ^2/NDF: 4274957.2/47

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

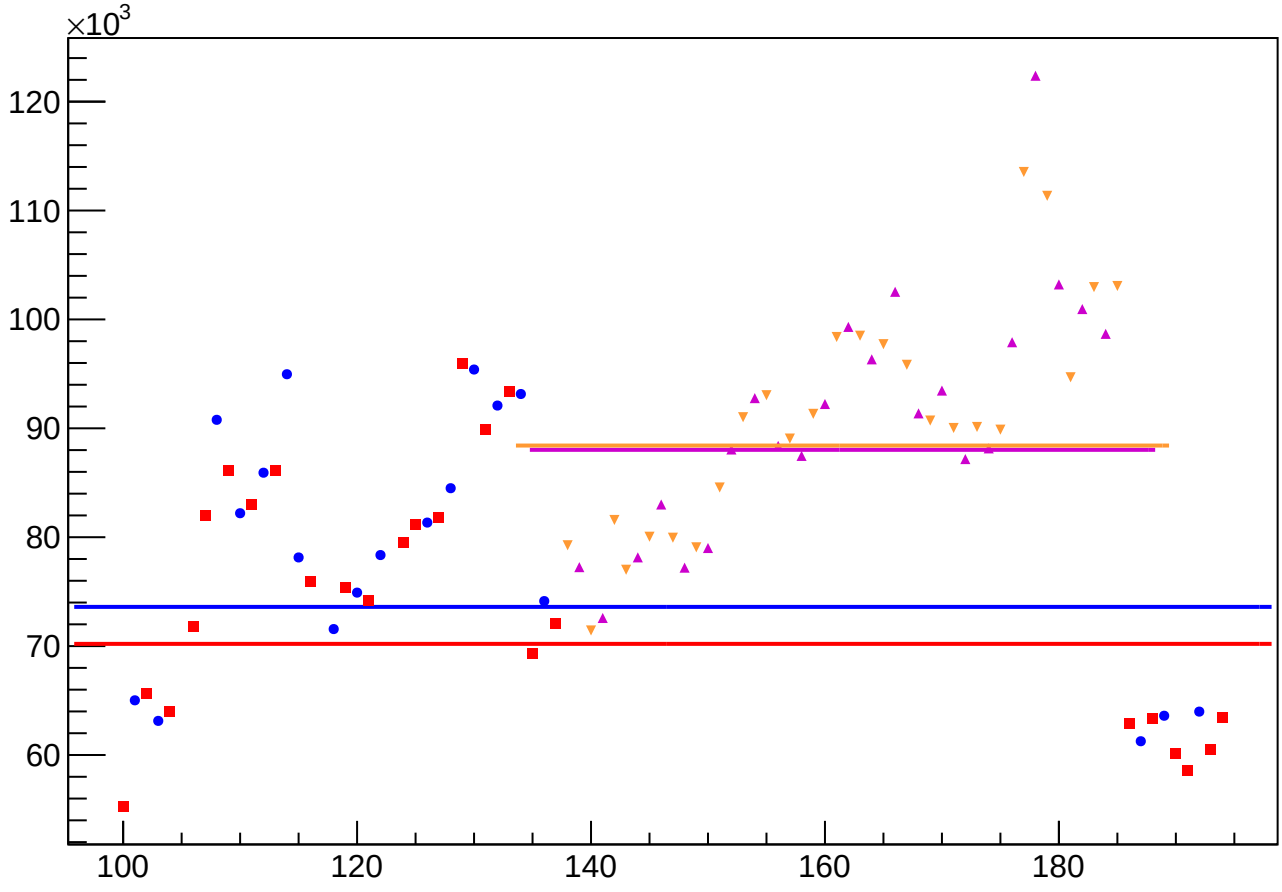
Right Out: 46.764+/-21.278 χ^2/NDF: 39.8/24

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

\+ sign 27.753+/-15.710 χ^2/NDF: 51.2/43

All: 24.298+/-10.790 χ^2/NDF: 124.6/91

\- sign 21.213+/-14.844 χ^2/NDF: 73.4/47



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: 70205.040+/-15.046 χ^2/NDF: 460829.1/24

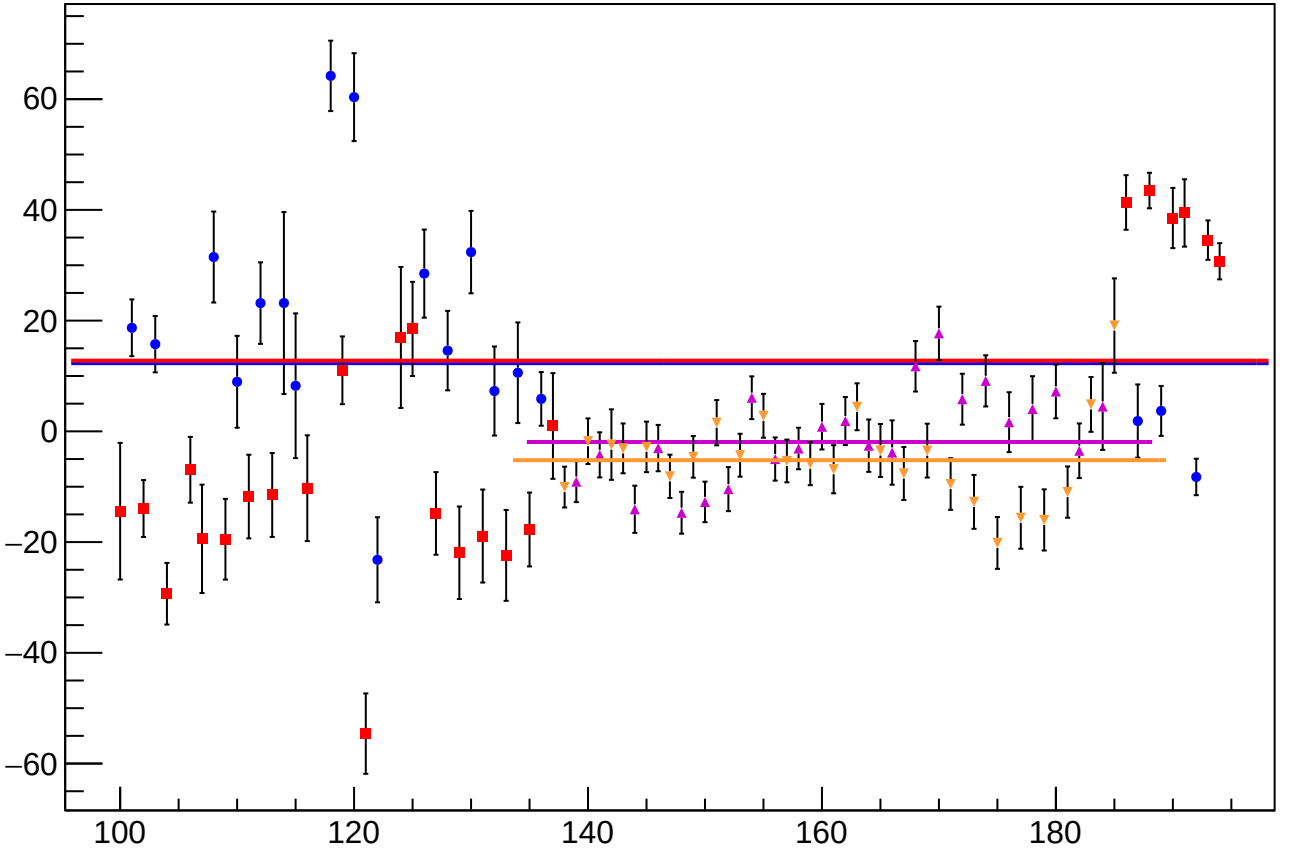
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 82527.795+/-11.109 χ^2/NDF: 1270384.7/43

All: 80849.483+/-7.629 χ^2/NDF: 2979145.7/9

- sign 79351.003+/-10.497 χ^2/NDF: 1665555.3/47

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: 12.765+/-1.185 χ^2/NDF: 564.2/24

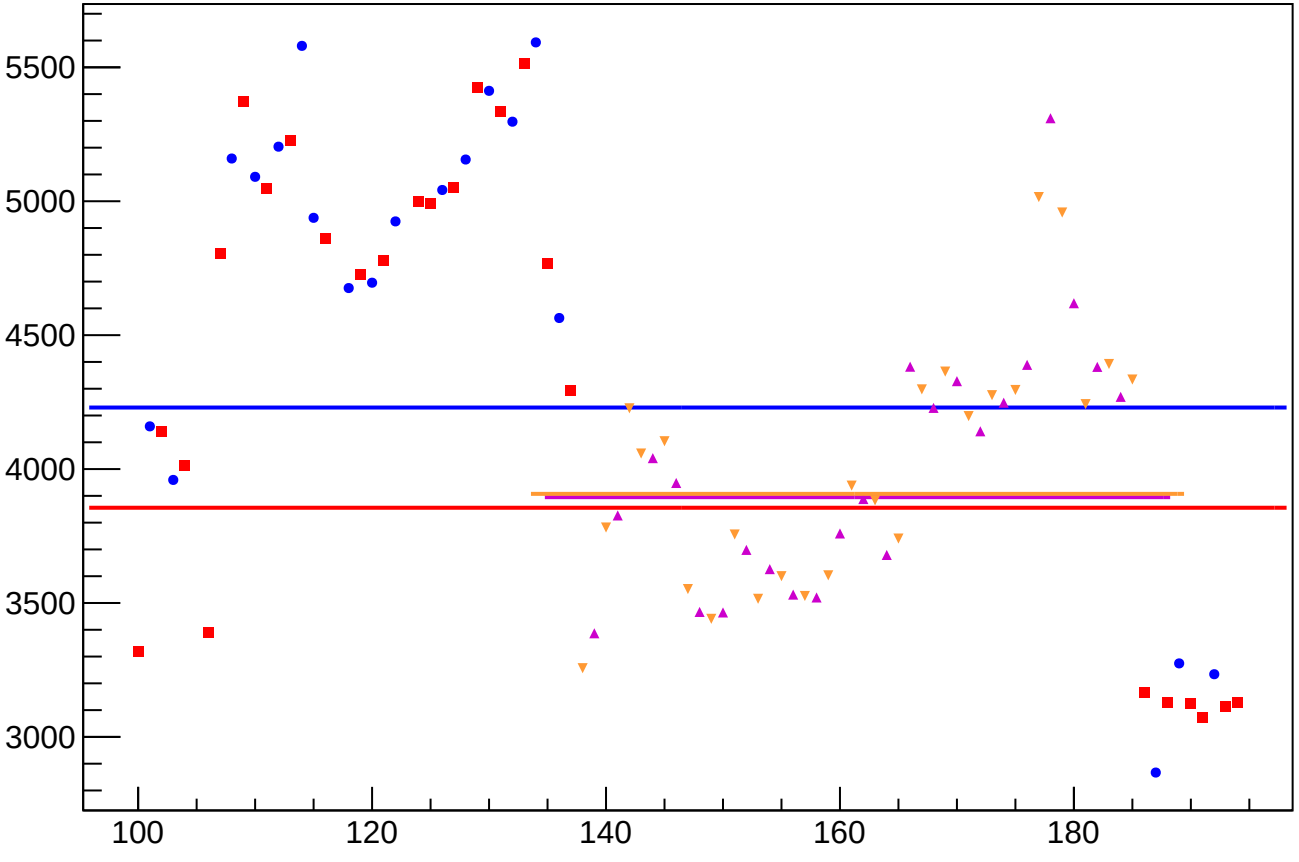
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -0.355+/-0.760 χ^2/NDF: 351.1/43

All: 1.702+/-0.525 χ^2/NDF: 1108.7/91

- sign 3.572+/-0.725 χ^2/NDF: 743.5/47

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: 3855.629+/-0.838 χ^2/NDF: 1095297.2/24

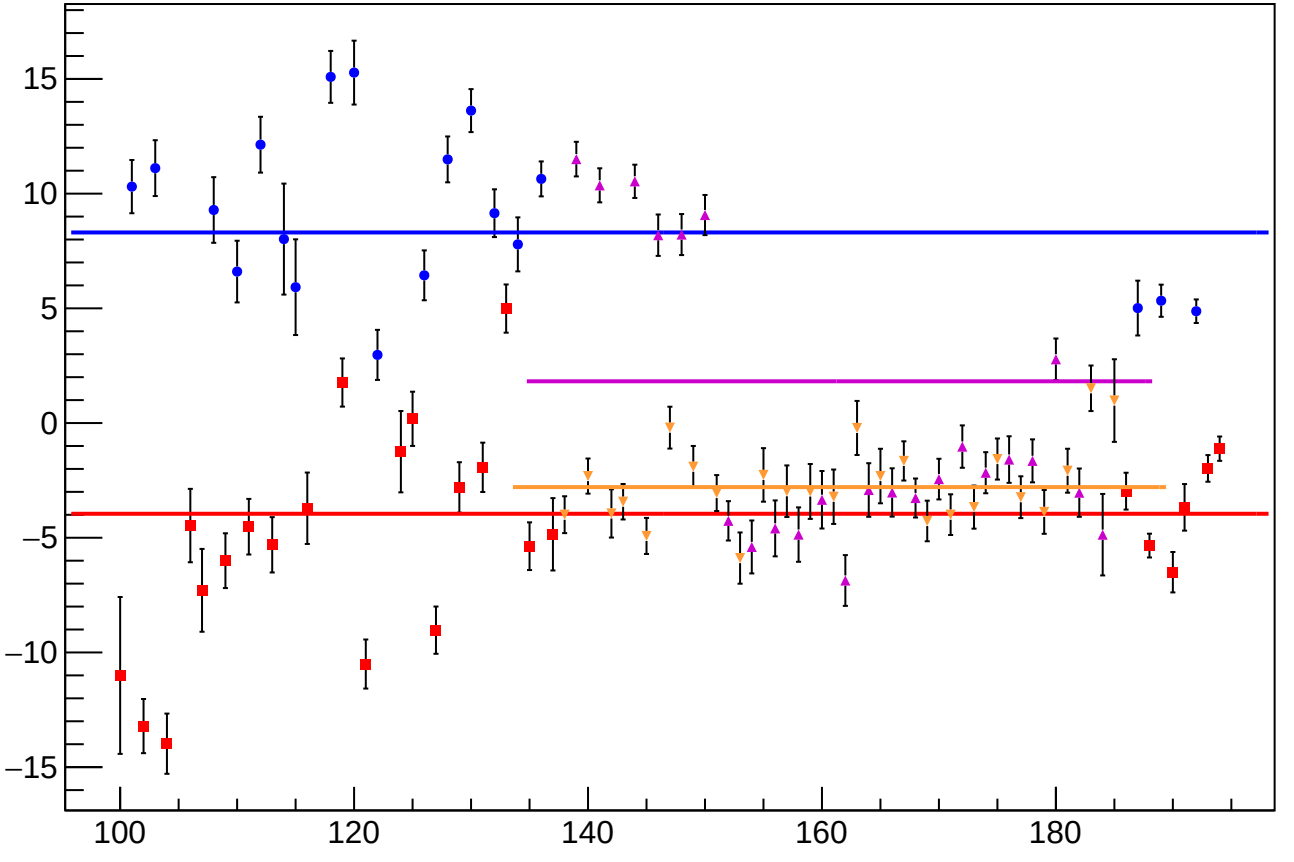
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3996.693+/-0.537 χ^2/NDF: 1205793.4/43

All: 3935.755+/-0.371 χ^2/NDF: 2736937.9/91

- sign 3880.337+/-0.513 χ^2/NDF: 1506600.2/47

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

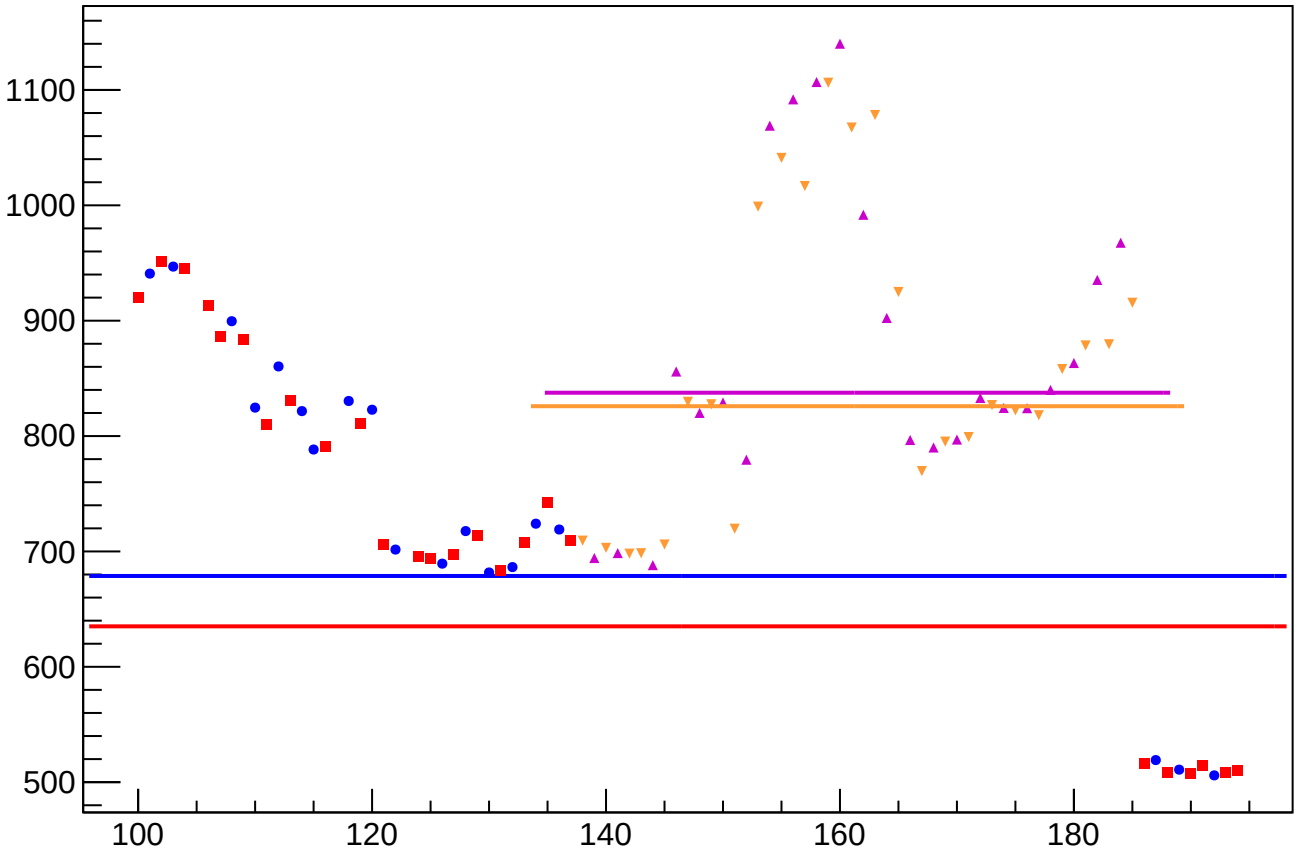
Right Out: -3.955+/-0.195 χ^2/NDF: 374.6/24

Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.662+/-0.147 χ^2/NDF: 1669.4/43

All: 0.196+/-0.101 χ^2/NDF: 3689.5/91

- sign -1.113+/-0.139 χ^2/NDF: 1832.0/47



Right In: 678.738+/-0.164 χ^2/NDF: 774577.2/18

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 635.076+/-0.138 χ^2/NDF: 1138492.9/24

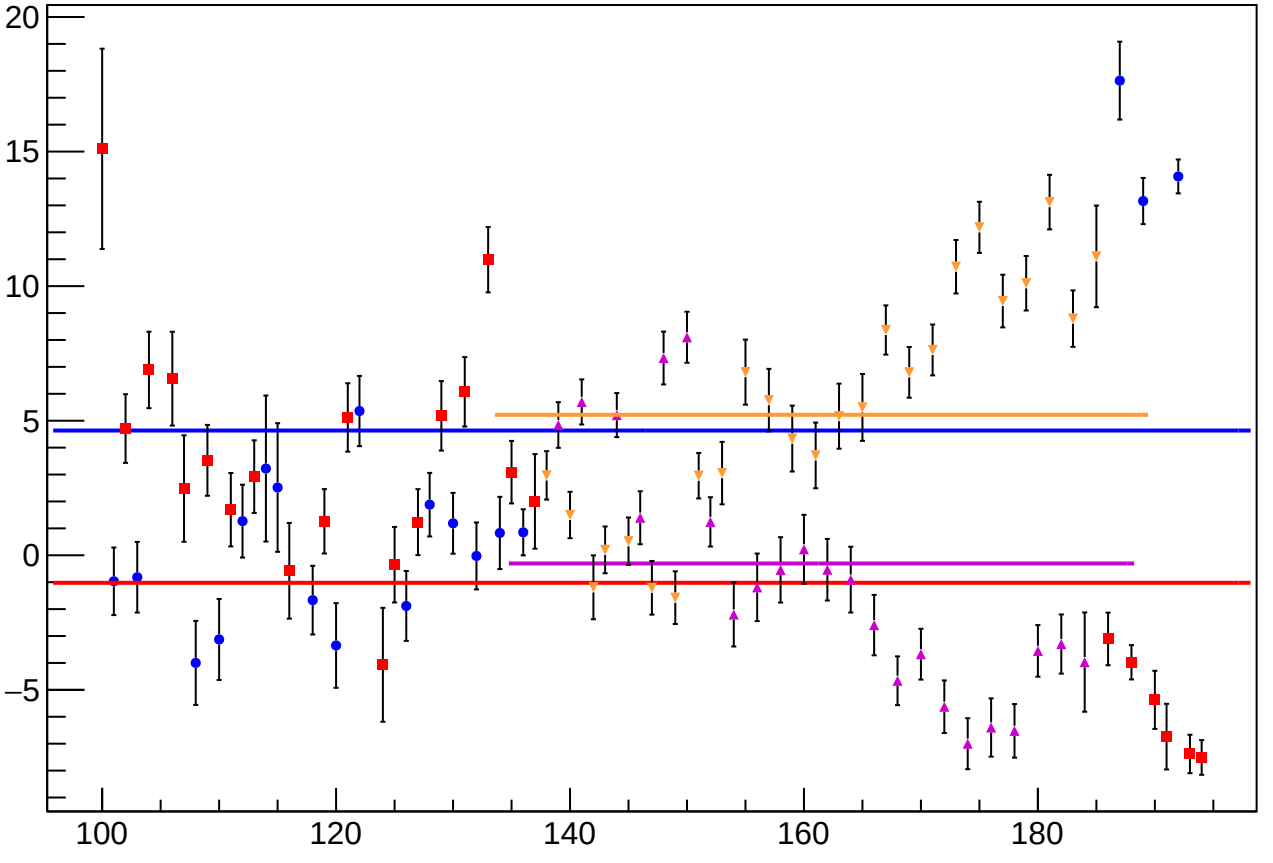
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 766.833+/-0.104 χ^2/NDF: 2020652.0/43

All: 749.866+/-0.071 χ^2/NDF: 4984468.7/91

- sign 734.709+/-0.098 χ^2/NDF: 2913419.7/47

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: -1.022+/-0.231 χ^2/NDF: 560.7/24

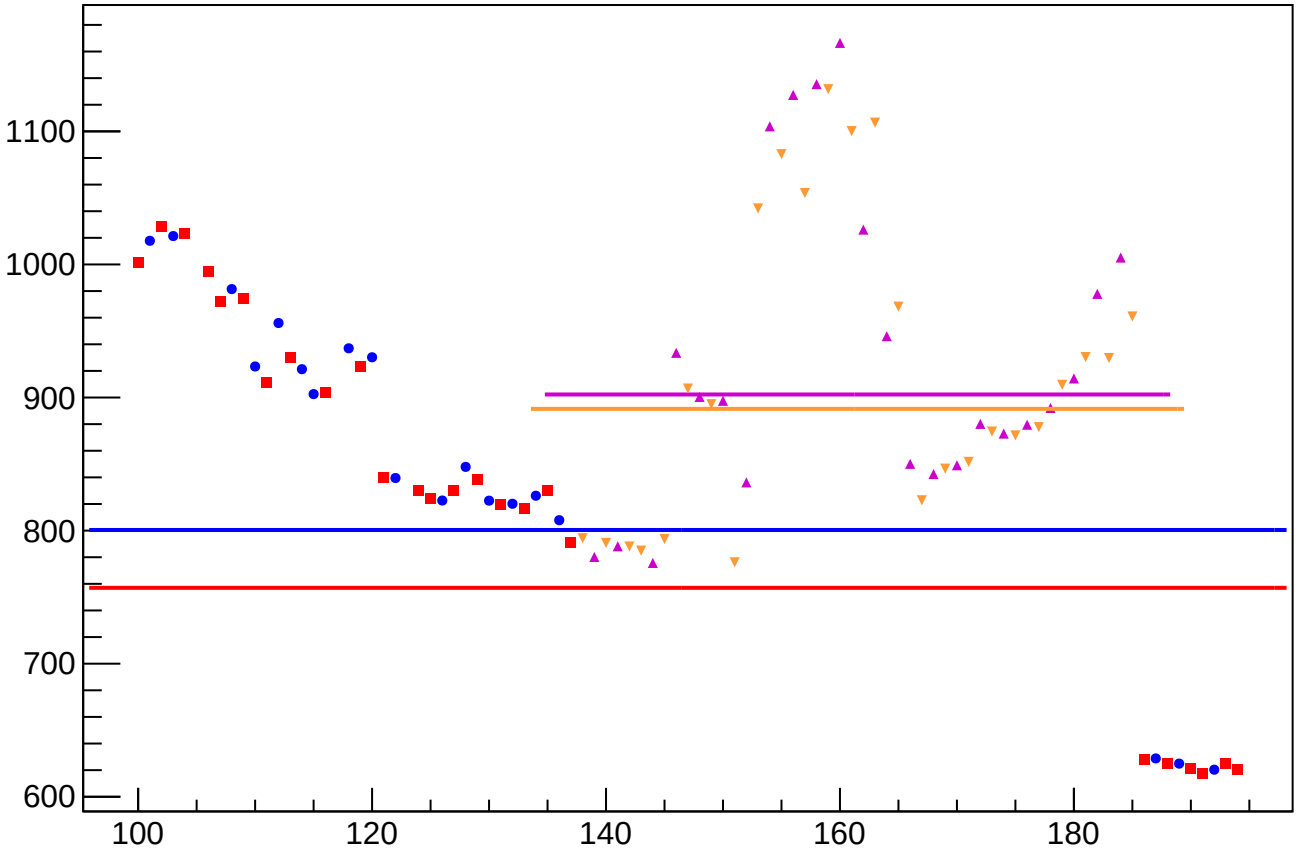
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 5.008+/-0.163 χ^2/NDF: 1090.6/43

All: 2.063+/-0.113 χ^2/NDF: 2774.6/91

- sign -0.634+/-0.156 χ^2/NDF: 1061.2/47

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: 757.006+/-0.163 χ^2/NDF: 781619.2/24

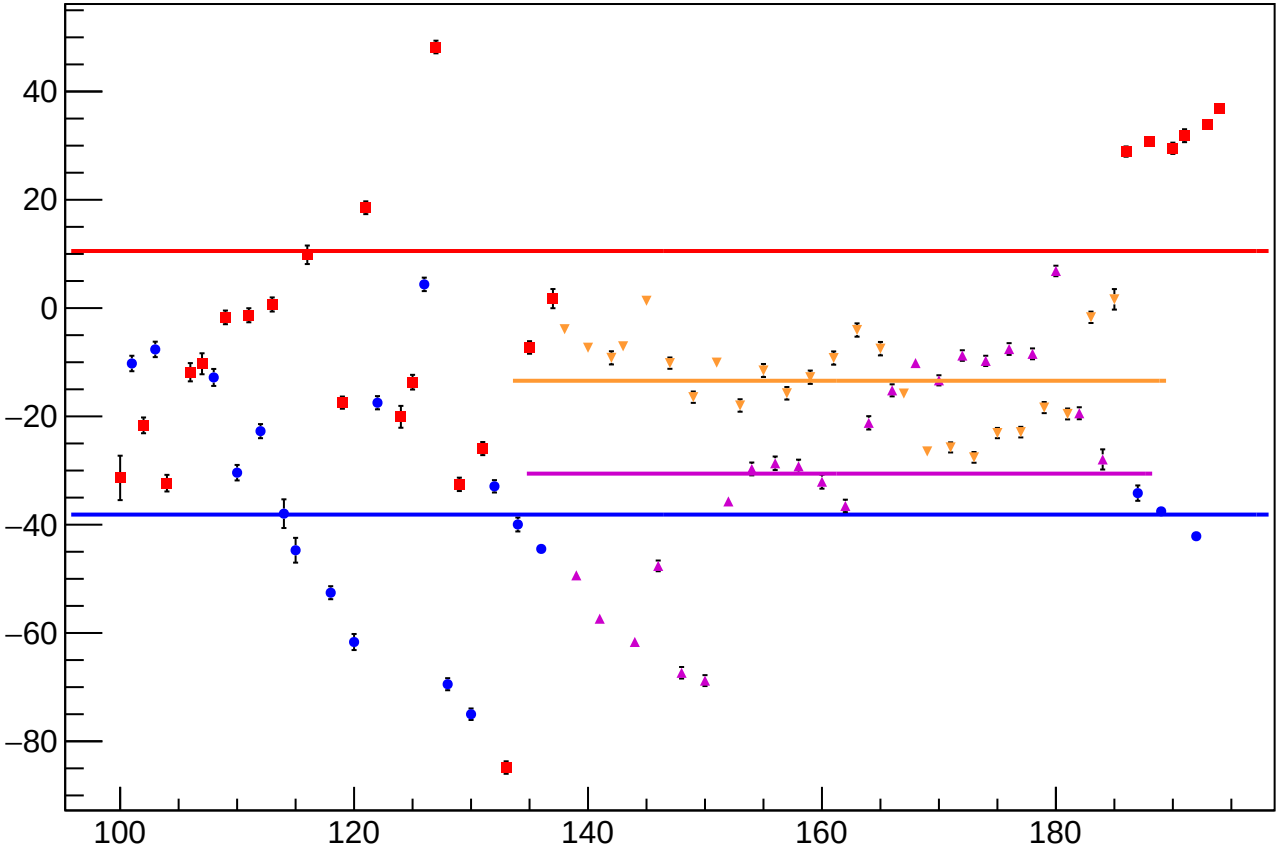
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 858.605+/-0.115 χ^2/NDF: 1171683.0/43

All: 846.551+/-0.080 χ^2/NDF: 2888183.8/91

- sign 835.510+/-0.111 χ^2/NDF: 1695630.6/47

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: 10.541+/-0.224 χ^2/NDF: 18314.0/24

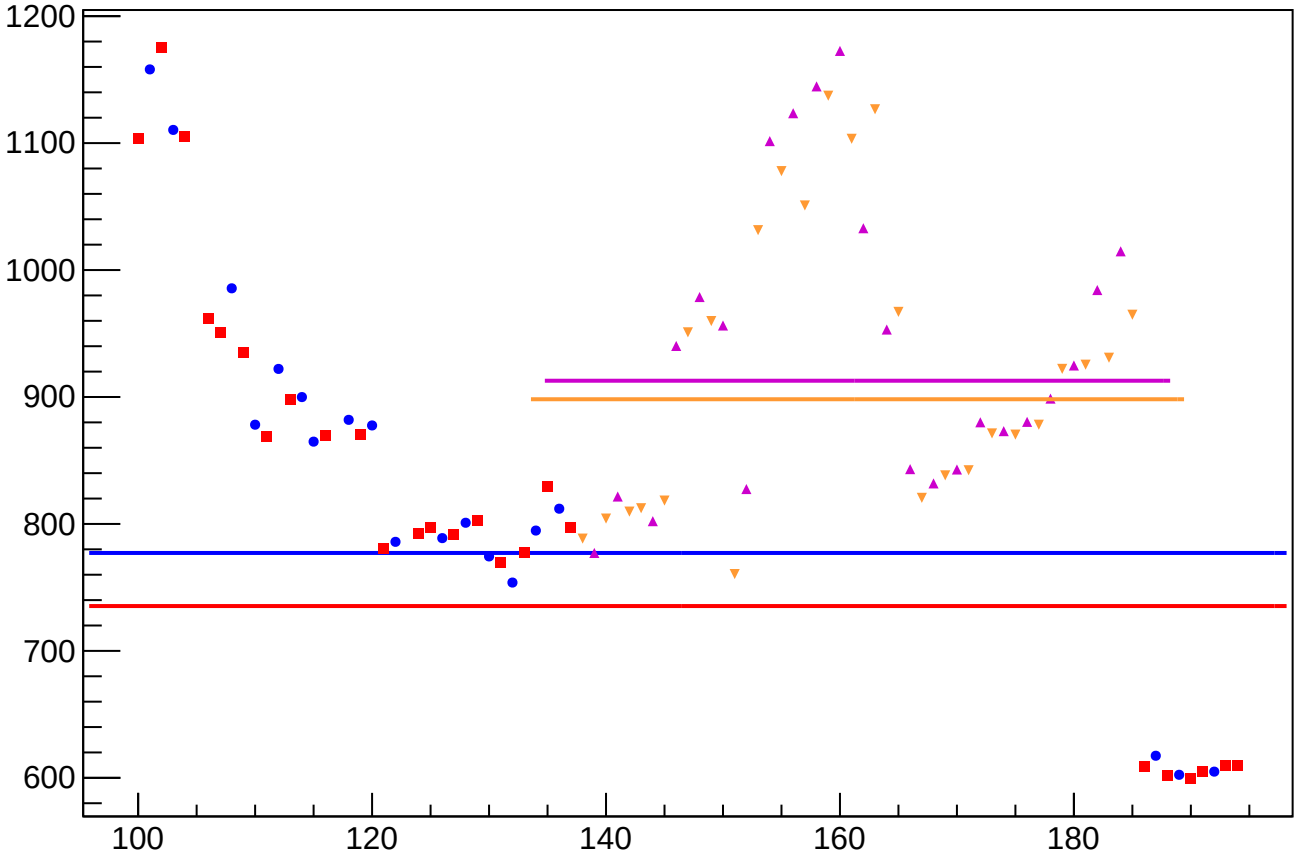
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

\+ sign -22.740+/-0.163 χ^2/NDF: 12335.5/43

All: -16.545+/-0.112 χ^2/NDF: 61295.6/91

\- sign -10.886+/-0.155 χ^2/NDF: 46180.3/47

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: 735.321+/-0.159 χ^2/NDF: 889922.0/24

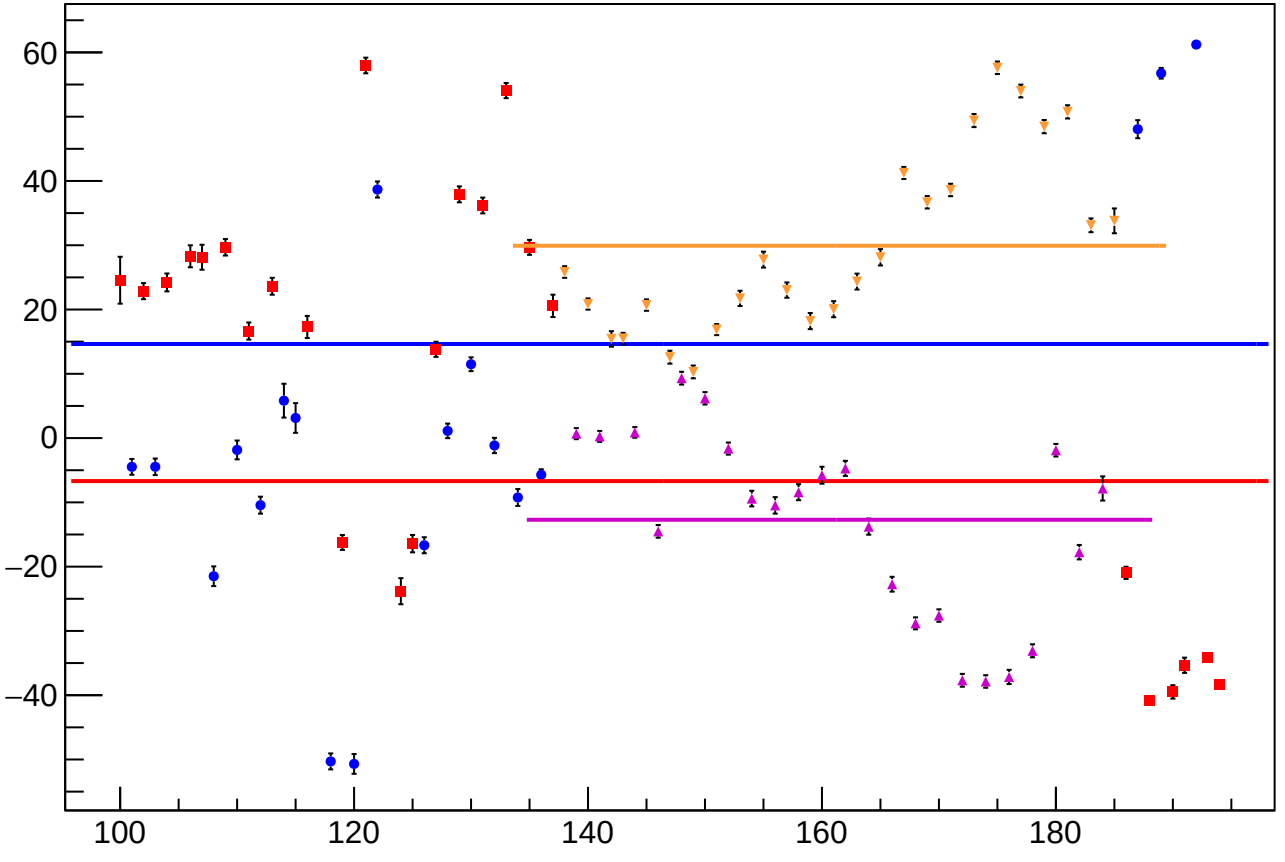
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

\+ sign 852.566+/-0.115 χ^2/NDF: 1409765.8/43

All: 839.638+/-0.079 χ^2/NDF: 3455526.7/91

\- sign 827.830+/-0.110 χ^2/NDF: 2021553.2/47

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: -6.687+/-0.223 χ^2/NDF: 22496.3/24

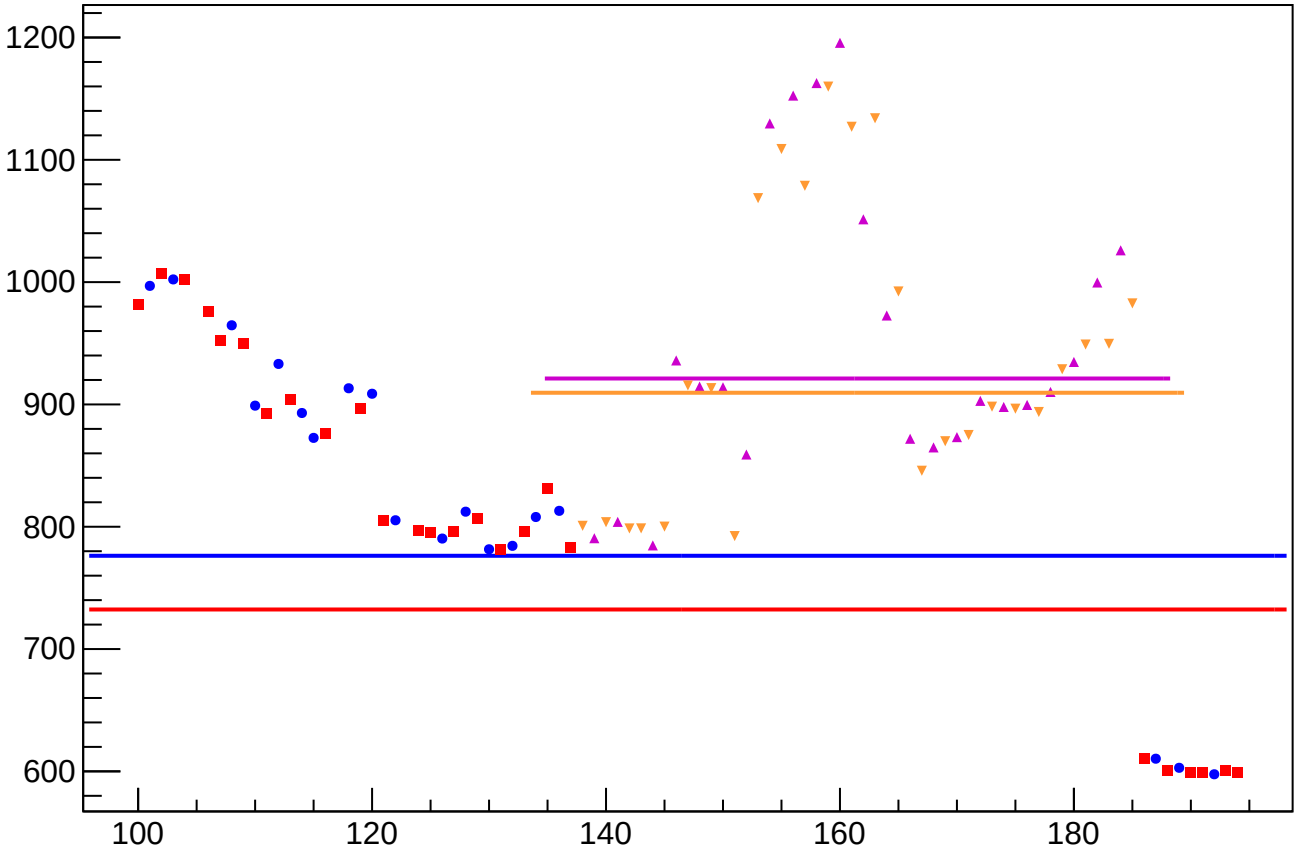
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 24.039+/-0.164 χ^2/NDF: 23993.0/43

All: 6.288+/-0.113 χ^2/NDF: 74088.1/91

- sign -9.781+/-0.156 χ^2/NDF: 27661.3/47

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: 732.348+/-0.158 χ^2/NDF: 822687.9/24

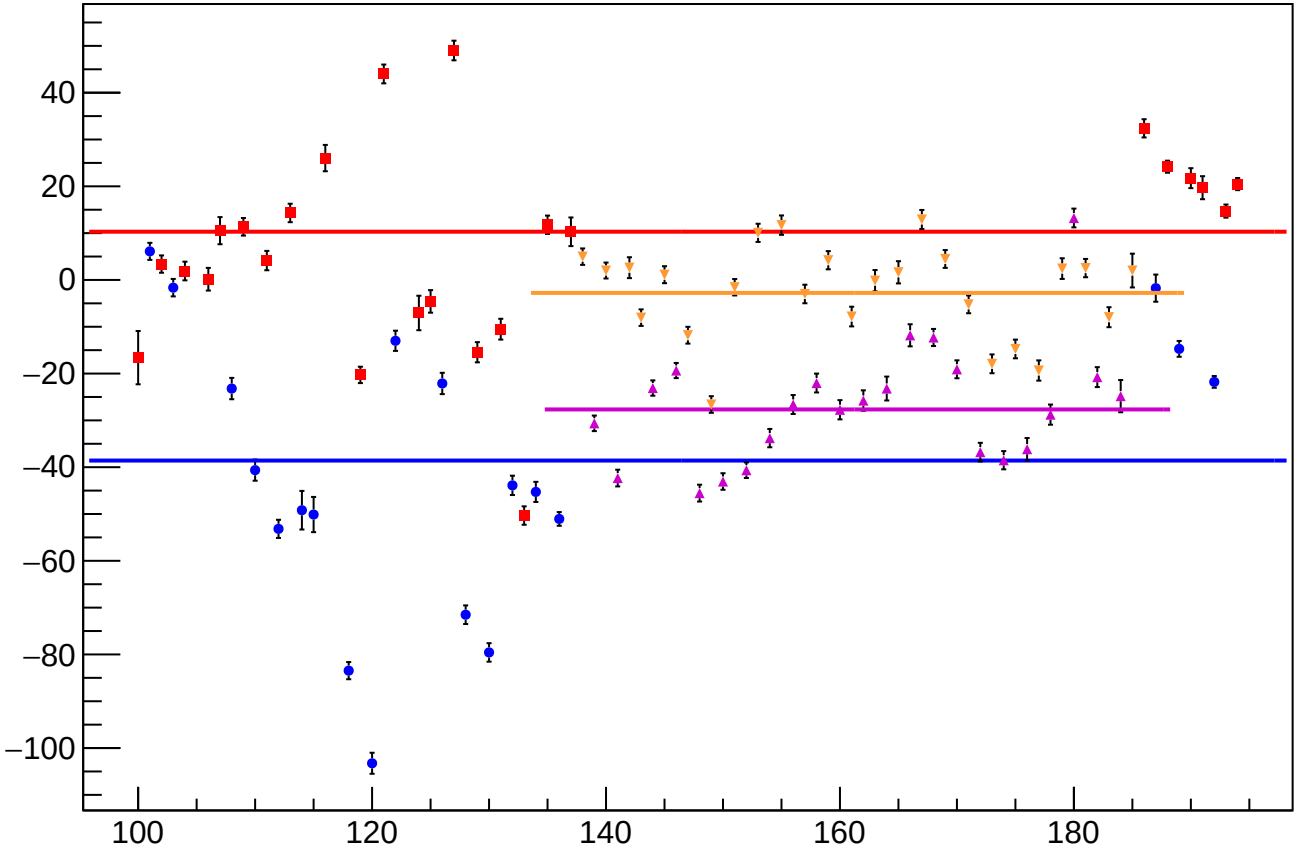
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 858.263+/-0.116 χ^2/NDF: 1398579.3/43

All: 843.108+/-0.080 χ^2/NDF: 3486856.7/91

- sign 829.388+/-0.110 χ^2/NDF: 2055569.9/47

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: 10.304+/-0.401 χ^2/NDF: 2644.9/24

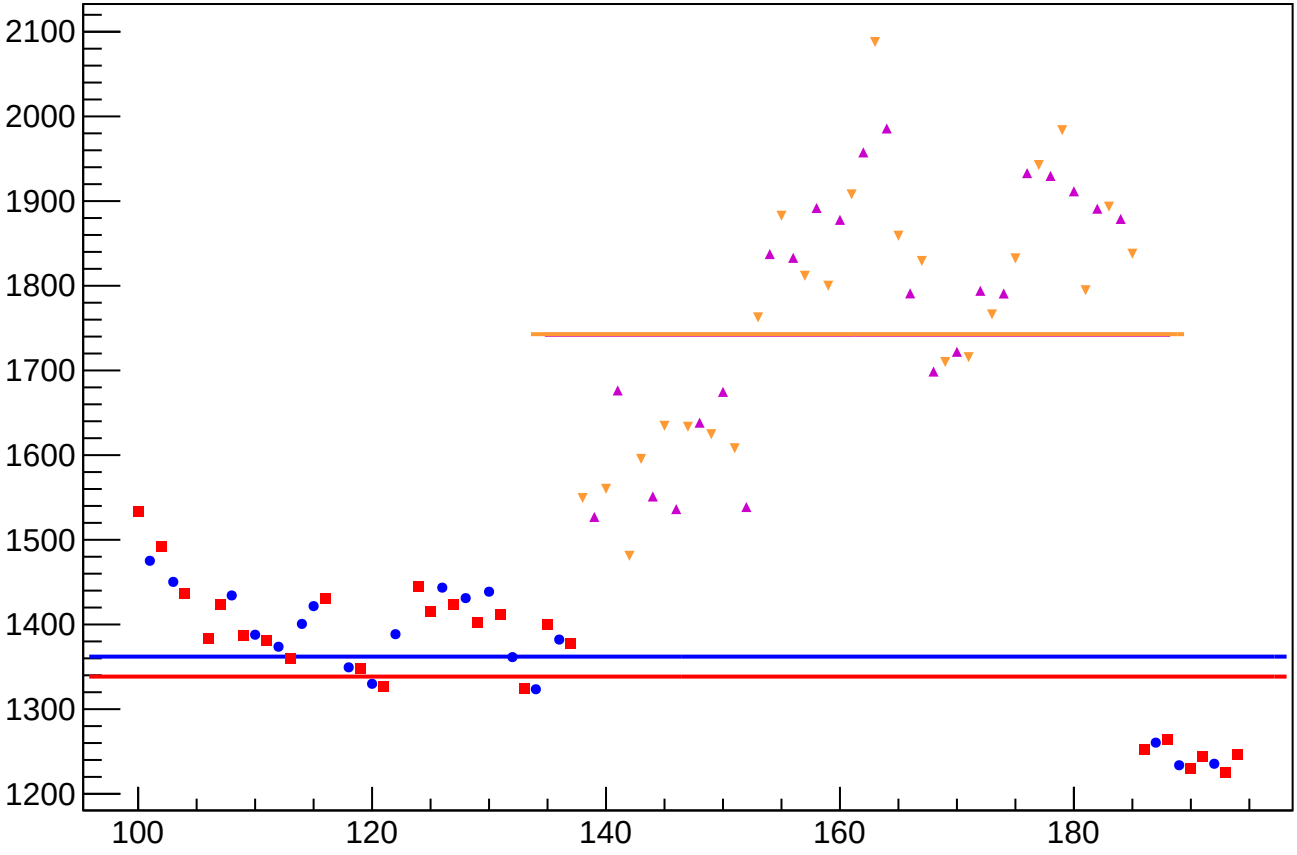
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

\+ sign -18.217+/-0.300 χ^2/NDF: 8184.7/43

All: -13.044+/-0.207 χ^2/NDF: 16785.2/91

\- sign -8.322+/-0.286 χ^2/NDF: 8030.4/47

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: 1338.467+/-0.284 χ^2/NDF: 83482.6/24

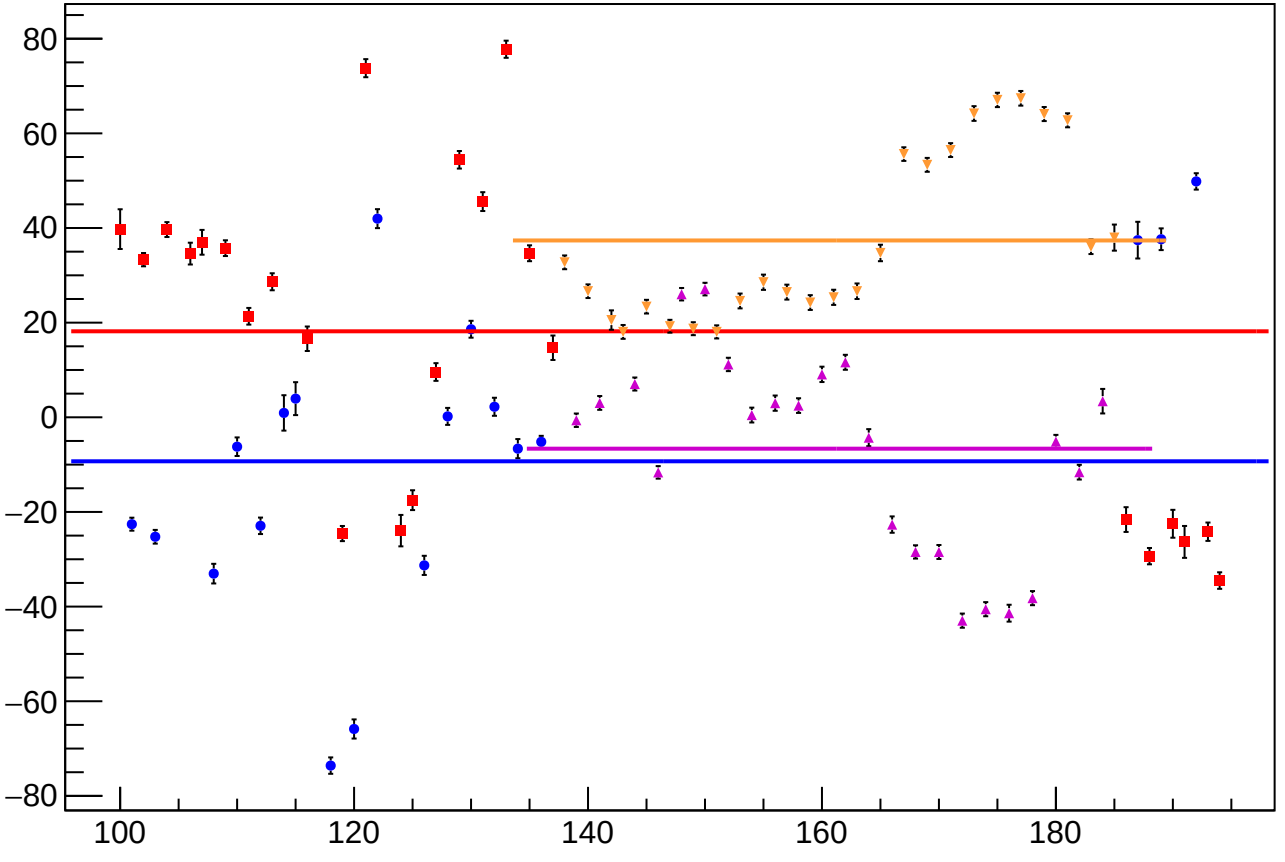
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1578.575+/-0.212 χ^2/NDF: 1114579.5/43

All: 1556.581+/-0.146 χ^2/NDF: 2474136.1/91

- sign 1536.509+/-0.202 χ^2/NDF: 1338951.3/47

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: 18.172+/-0.397 χ^2/NDF: 7106.4/24

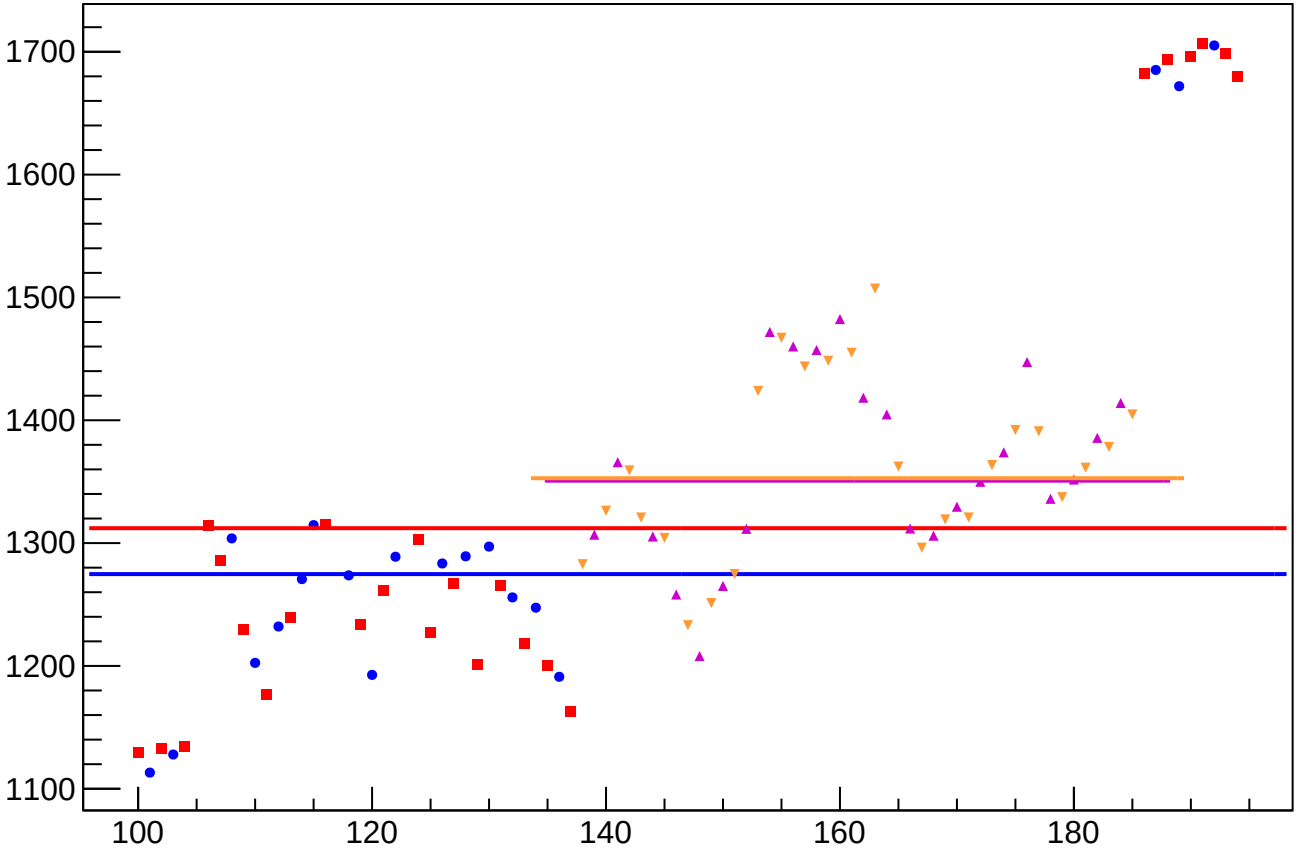
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 21.541+/-0.250 χ^2/NDF: 16606.3/43

All: 12.154+/-0.176 χ^2/NDF: 33291.9/91

- sign 2.990+/-0.247 χ^2/NDF: 13905.4/47

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: 1312.139+/-0.281 χ^2/NDF: 488848.0/24

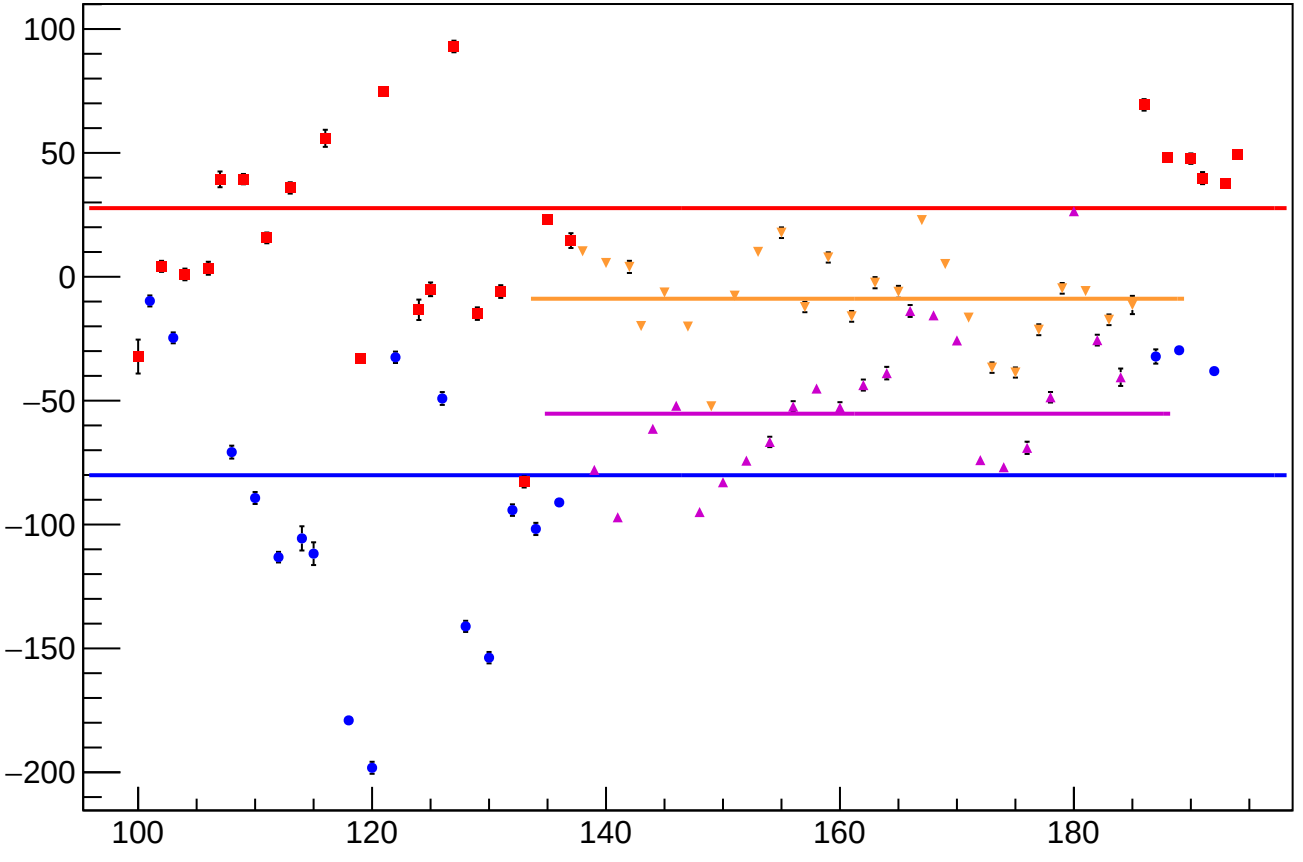
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

\+ sign 1326.343+/-0.177 χ^2/NDF: 420466.8/43

All: 1331.139+/-0.124 χ^2/NDF: 1031009.4/91

\- sign 1335.822+/-0.175 χ^2/NDF: 609090.9/47

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: 27.709+/-0.432 χ^2/NDF: 6948.3/24

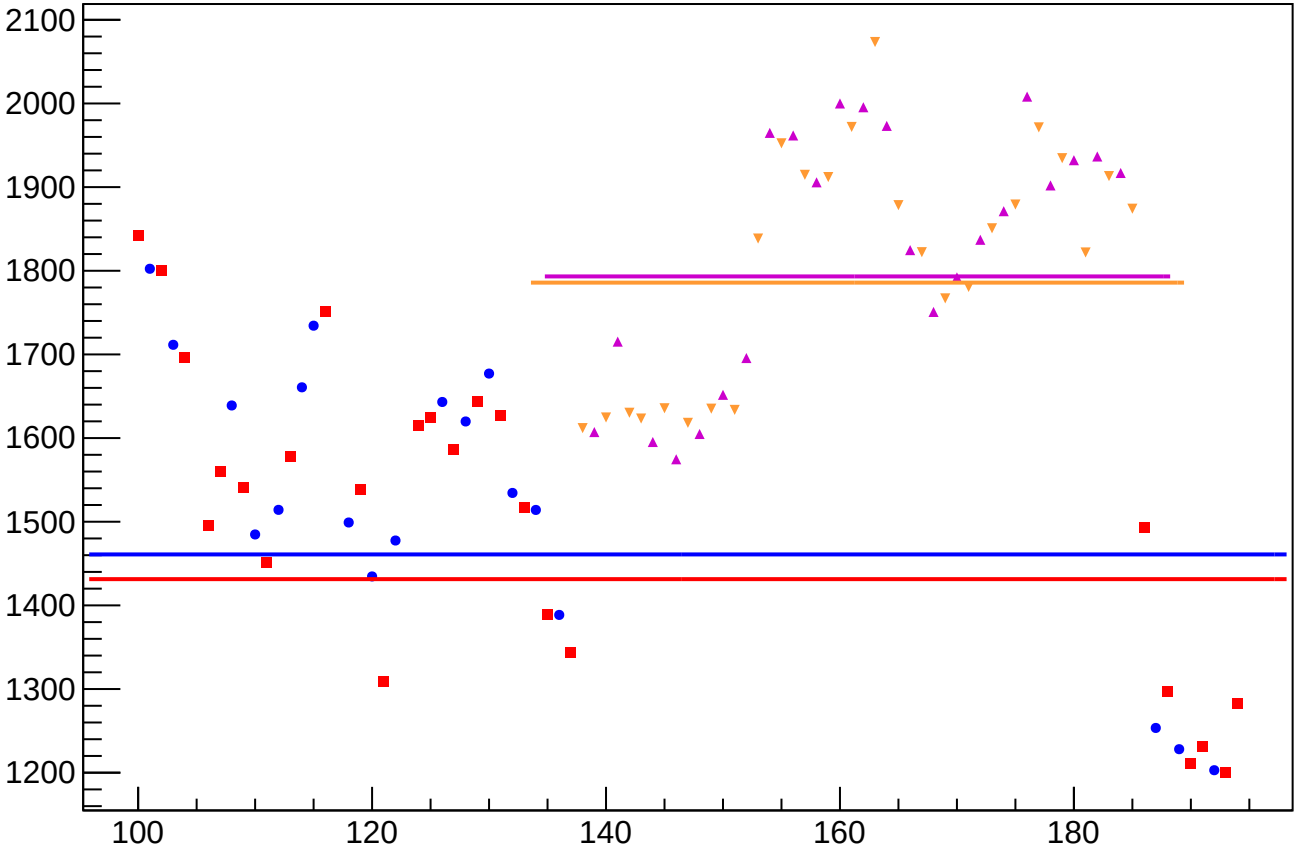
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -37.777+/-0.314 χ^2/NDF: 25932.4/43

All: -25.847+/-0.217 χ^2/NDF: 59356.7/91

- sign -14.859+/-0.301 χ^2/NDF: 30648.0/47

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: 1431.371+/-0.305 χ^2/NDF: 329579.6/24

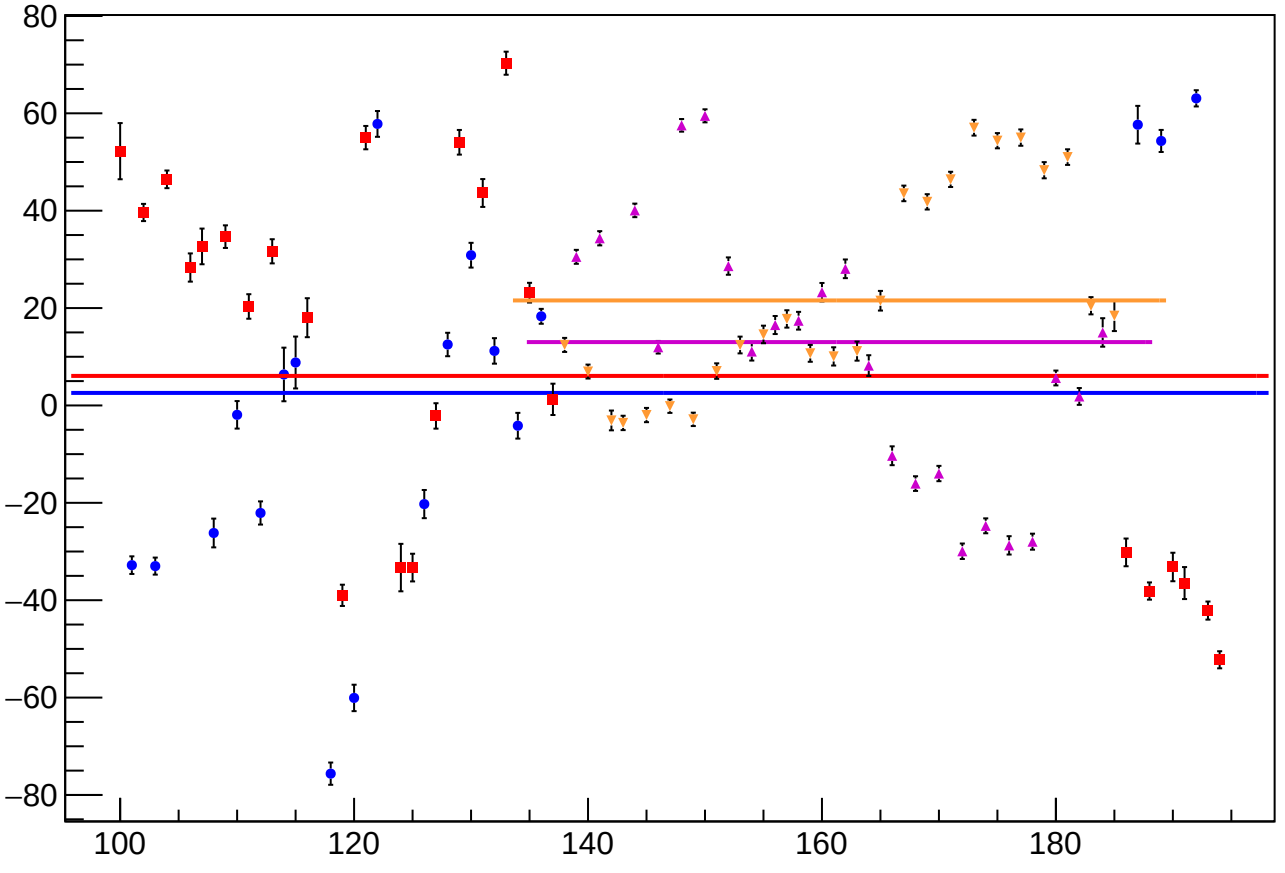
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1653.934+/-0.222 χ^2/NDF: 1032592.0/43

All: 1634.719+/-0.154 χ^2/NDF: 2350765.6/91

- sign 1617.022+/-0.213 χ^2/NDF: 1303770.0/47

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: 6.067+/-0.489 χ^2/NDF: 6692.1/24

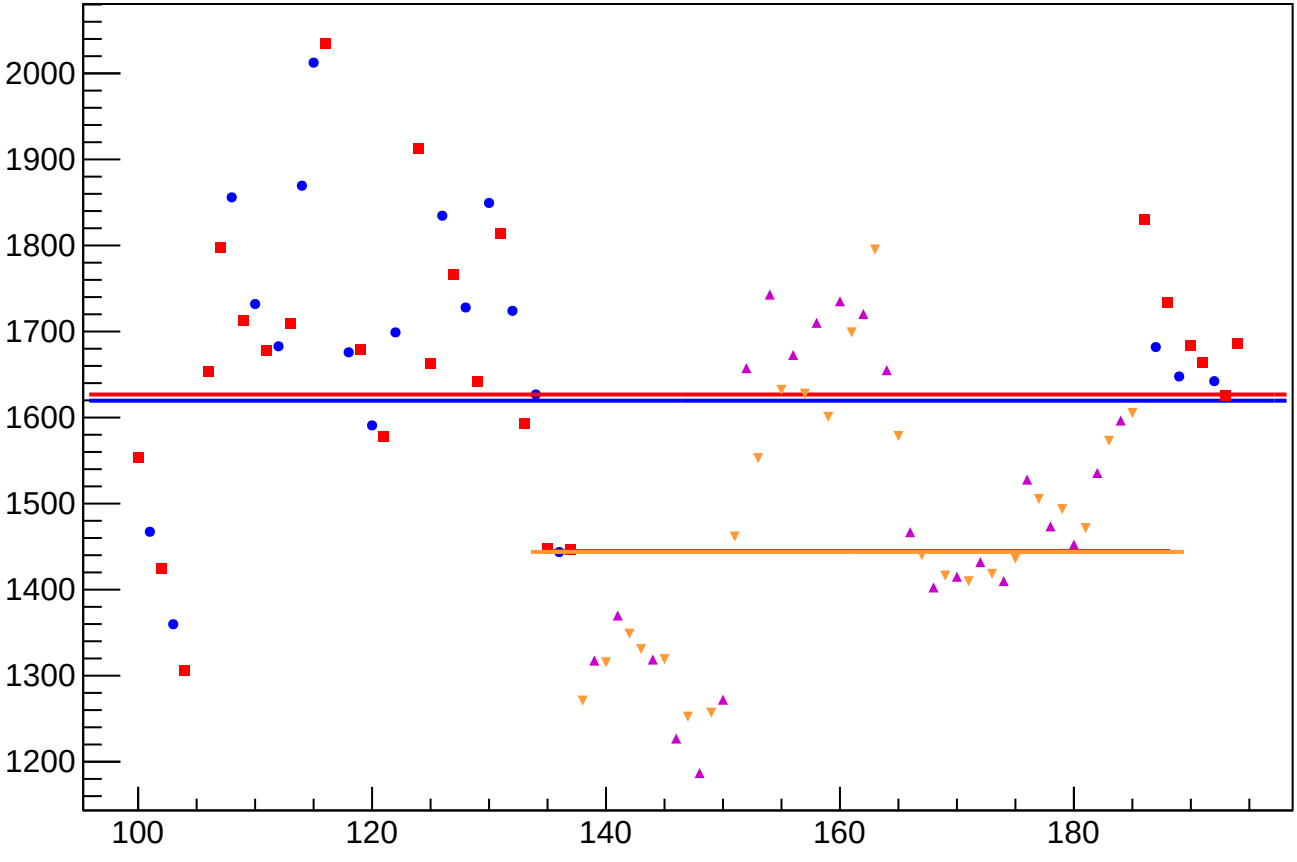
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 16.469+/-0.282 χ^2/NDF: 10556.4/43

All: 13.580+/-0.198 χ^2/NDF: 24219.1/91

- sign 10.752+/-0.279 χ^2/NDF: 13455.3/47

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: 1626.780+/-0.346 χ^2/NDF: 186882.9/24

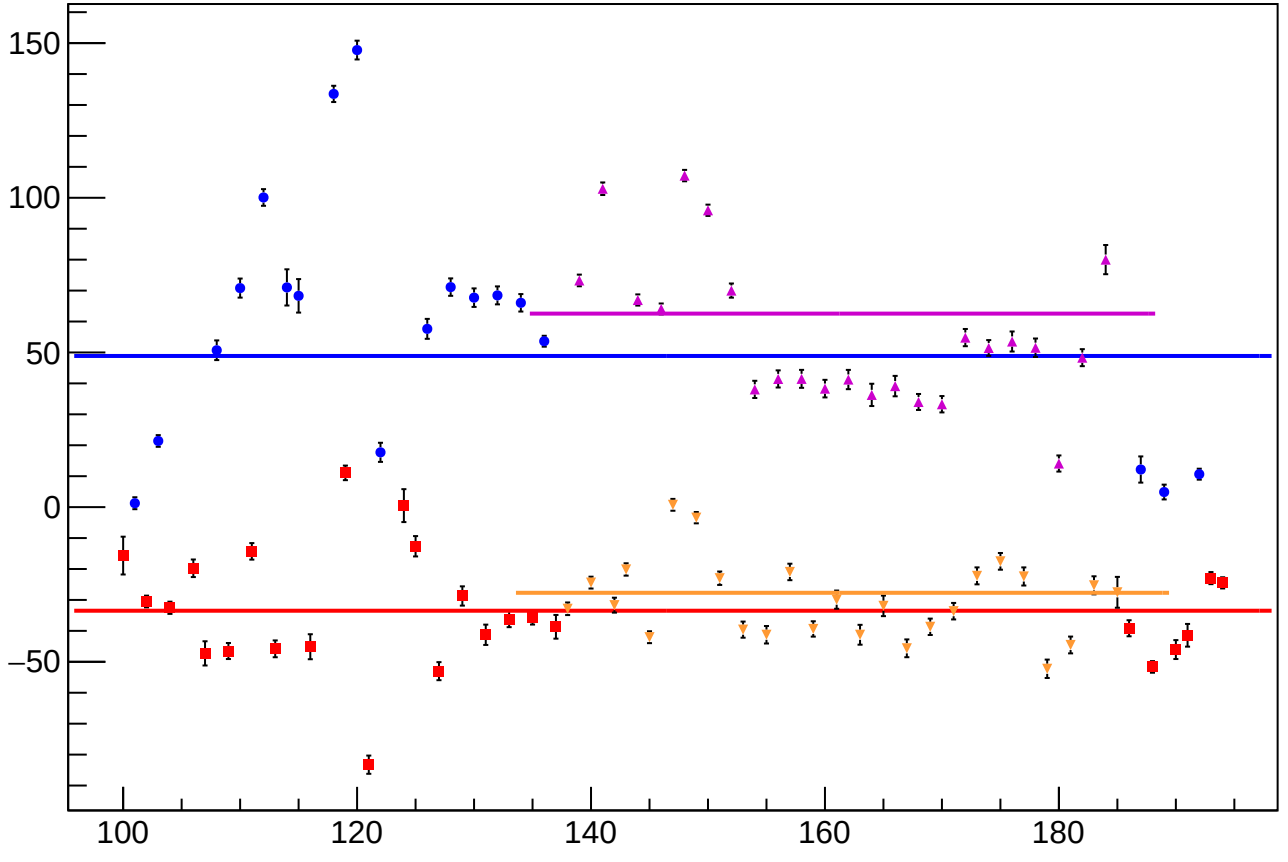
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1490.994+/-0.200 χ^2/NDF: 660862.9/43

All: 1497.599+/-0.140 χ^2/NDF: 1521631.0/91

- sign 1504.065+/-0.197 χ^2/NDF: 858600.0/47

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: -33.489+/-0.530 χ^2/NDF: 1107.5/24

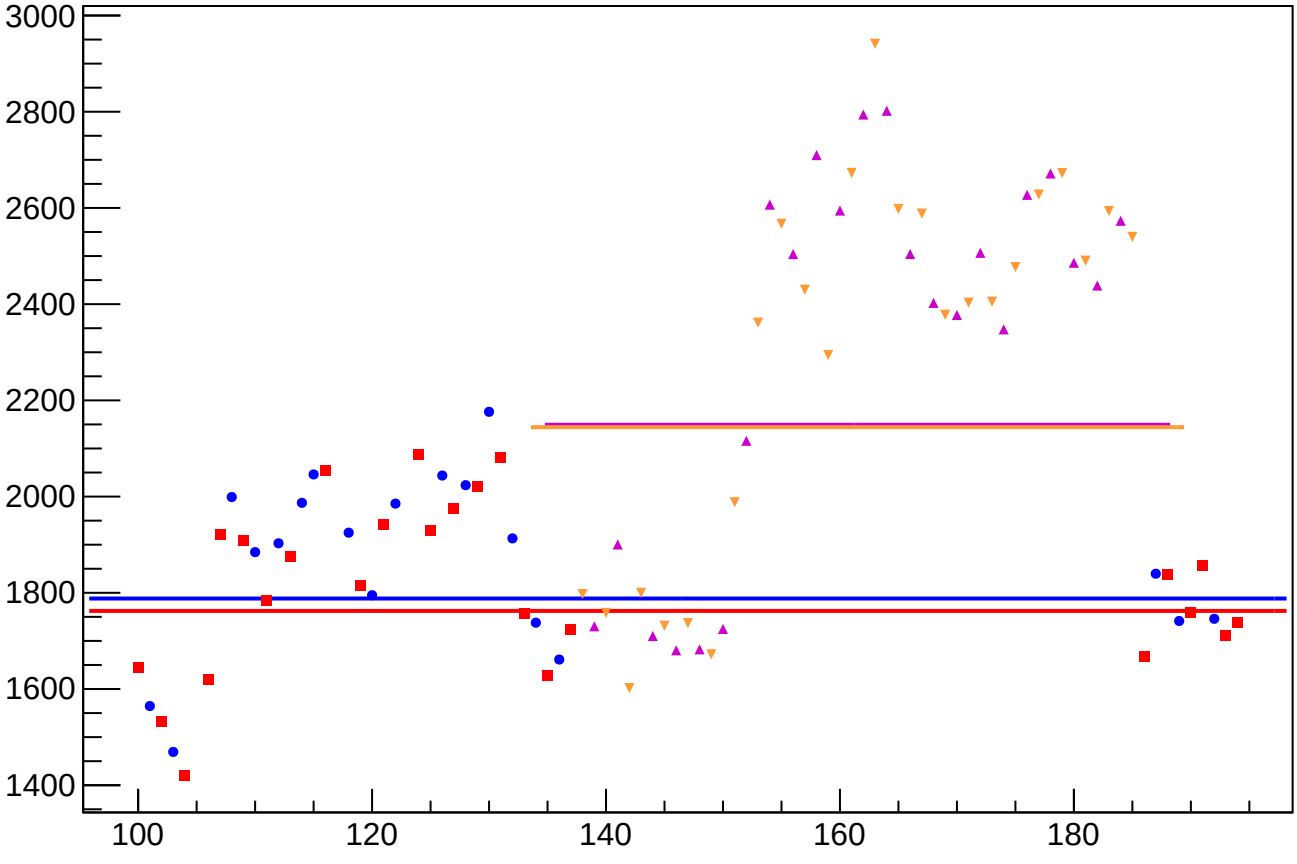
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

\+ sign 3.270+/-0.383 χ^2/NDF: 14937.6/43

All: 9.996+/-0.265 χ^2/NDF: 36092.7/91

\- sign 16.217+/-0.368 χ^2/NDF: 20560.8/47

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: 1762.344+/-0.375 χ^2/NDF: 198901.2/24

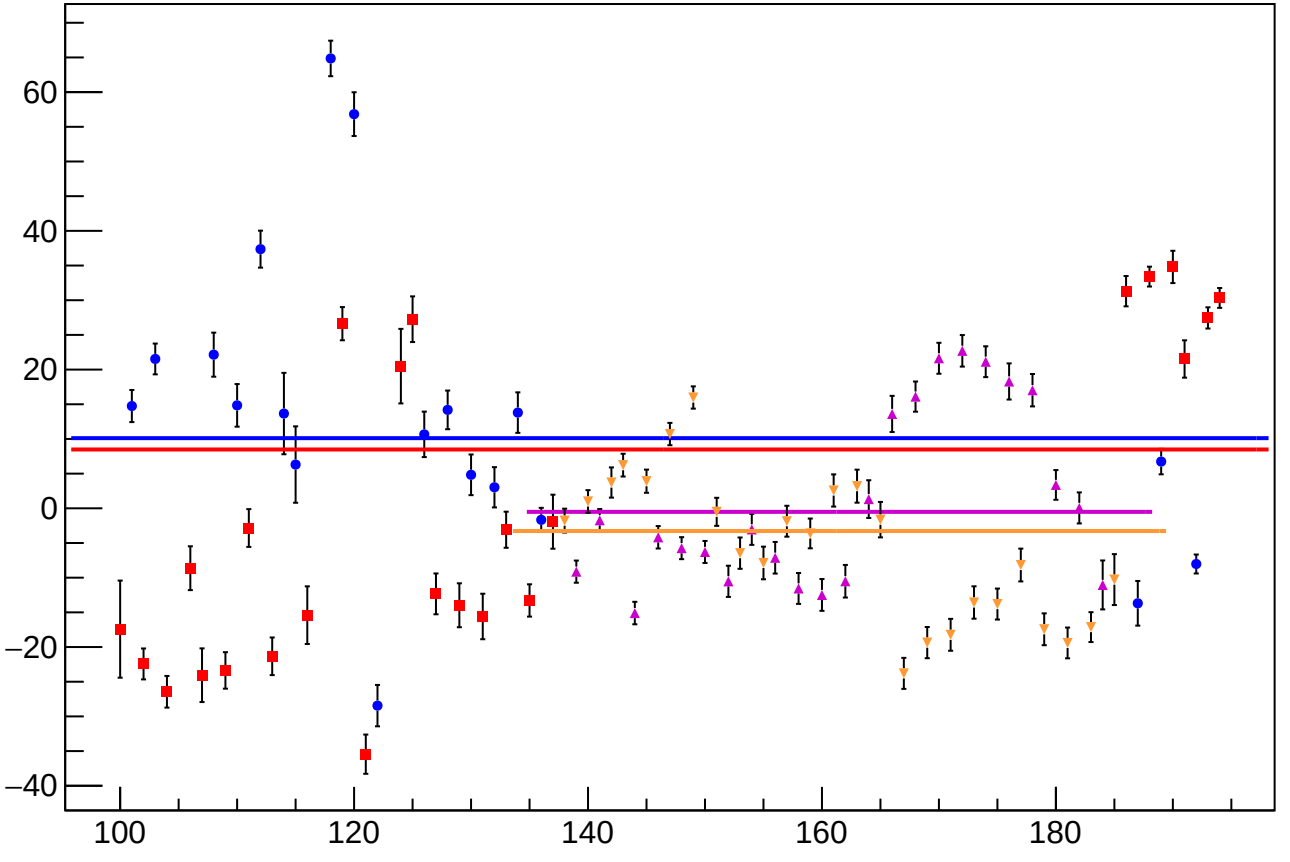
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 2000.199+/-0.271 χ^2/NDF: 1892416.2/43

All: 1980.681+/-0.188 χ^2/NDF: 3918925.0/91

- sign 1962.629+/-0.260 χ^2/NDF: 2016500.5/47

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

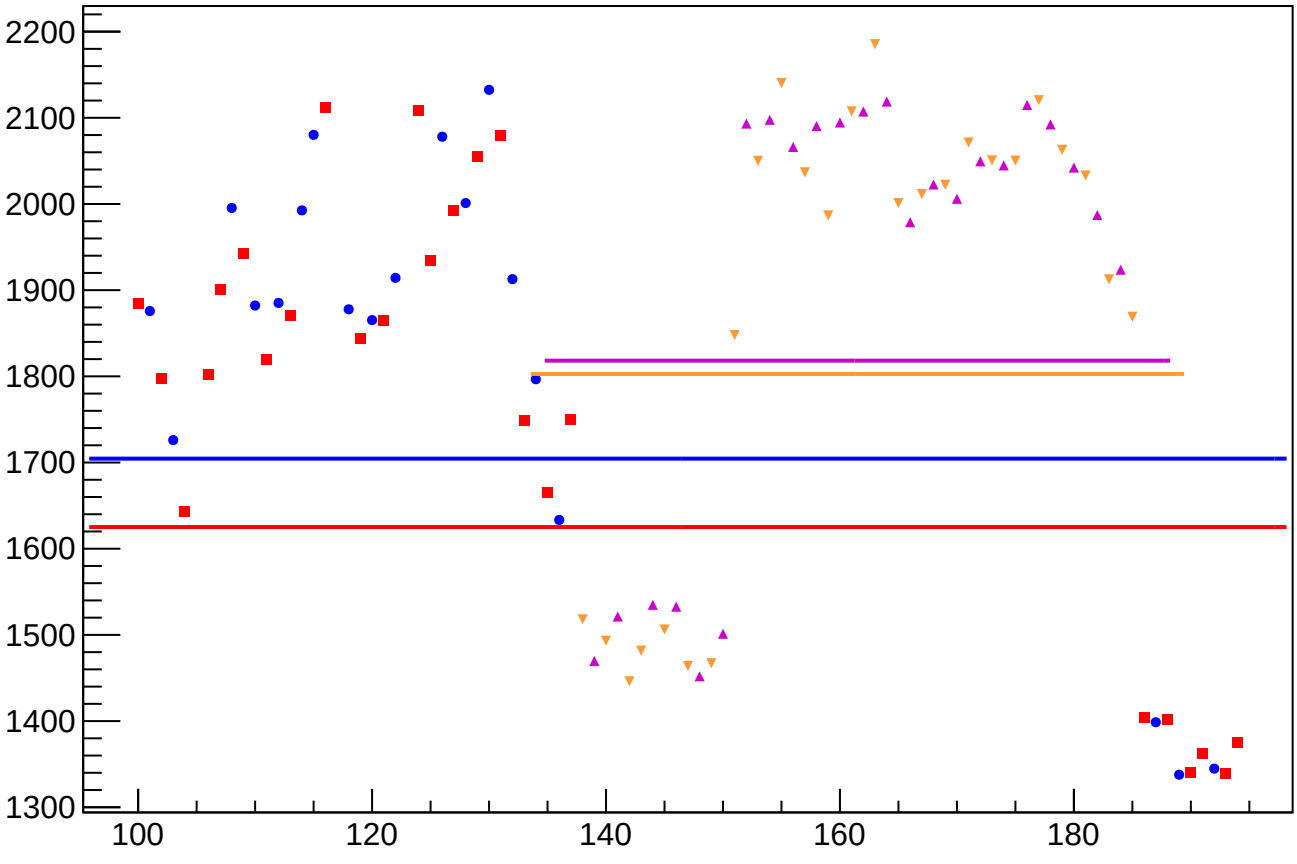
Right Out: 8.482+/-0.493 χ^2/NDF: 2413.5/24

Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 1.280+/-0.337 χ^2/NDF: 2315.0/43

All: 2.369+/-0.233 χ^2/NDF: 5683.7/91

- sign 3.377+/-0.324 χ^2/NDF: 3348.6/47



Right In: 1704.537+/-0.408 χ^2/NDF: 425421.9/18

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1625.142+/-0.348 χ^2/NDF: 541325.2/24

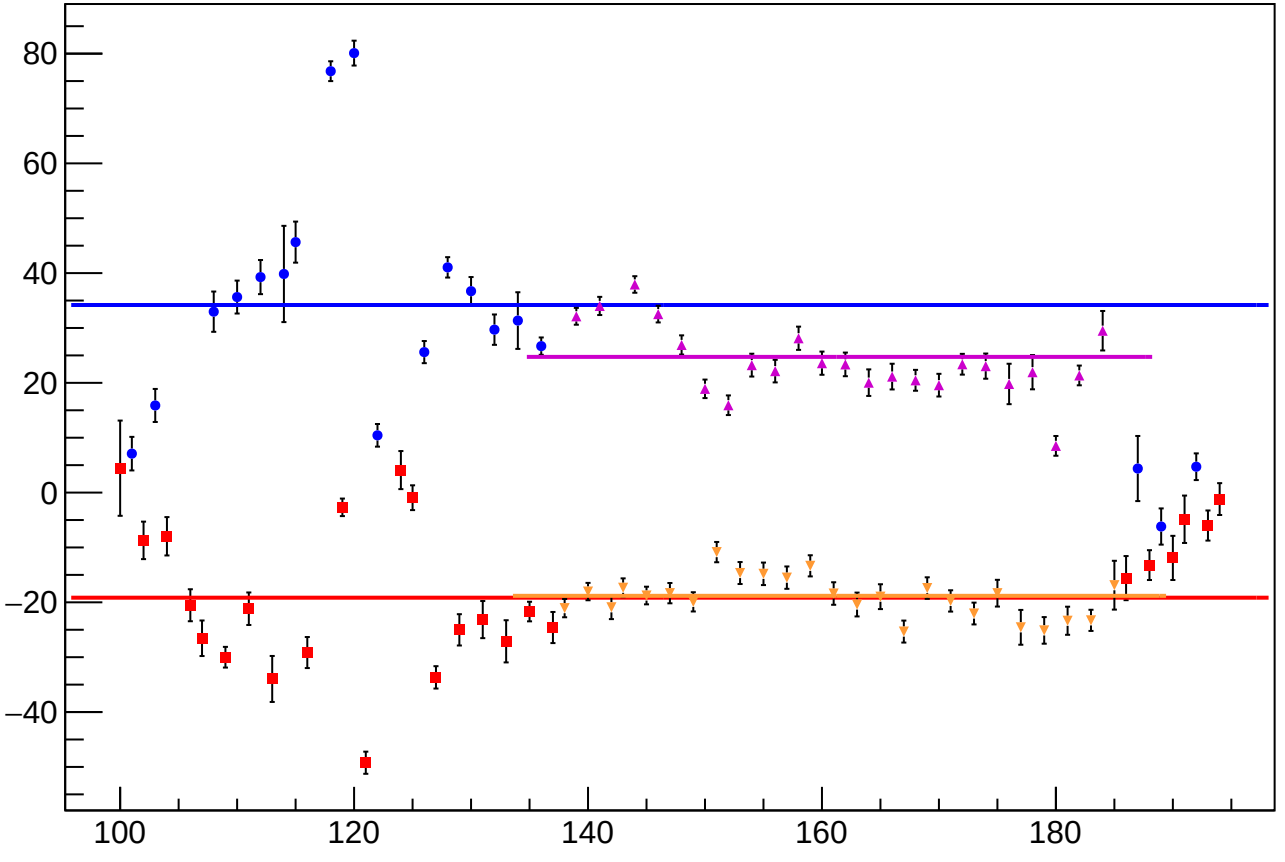
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1769.338+/-0.238 χ^2/NDF: 1360968.3/43

All: 1751.368+/-0.165 χ^2/NDF: 2928103.1/91

- sign 1734.757+/-0.229 χ^2/NDF: 1556179.4/47

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

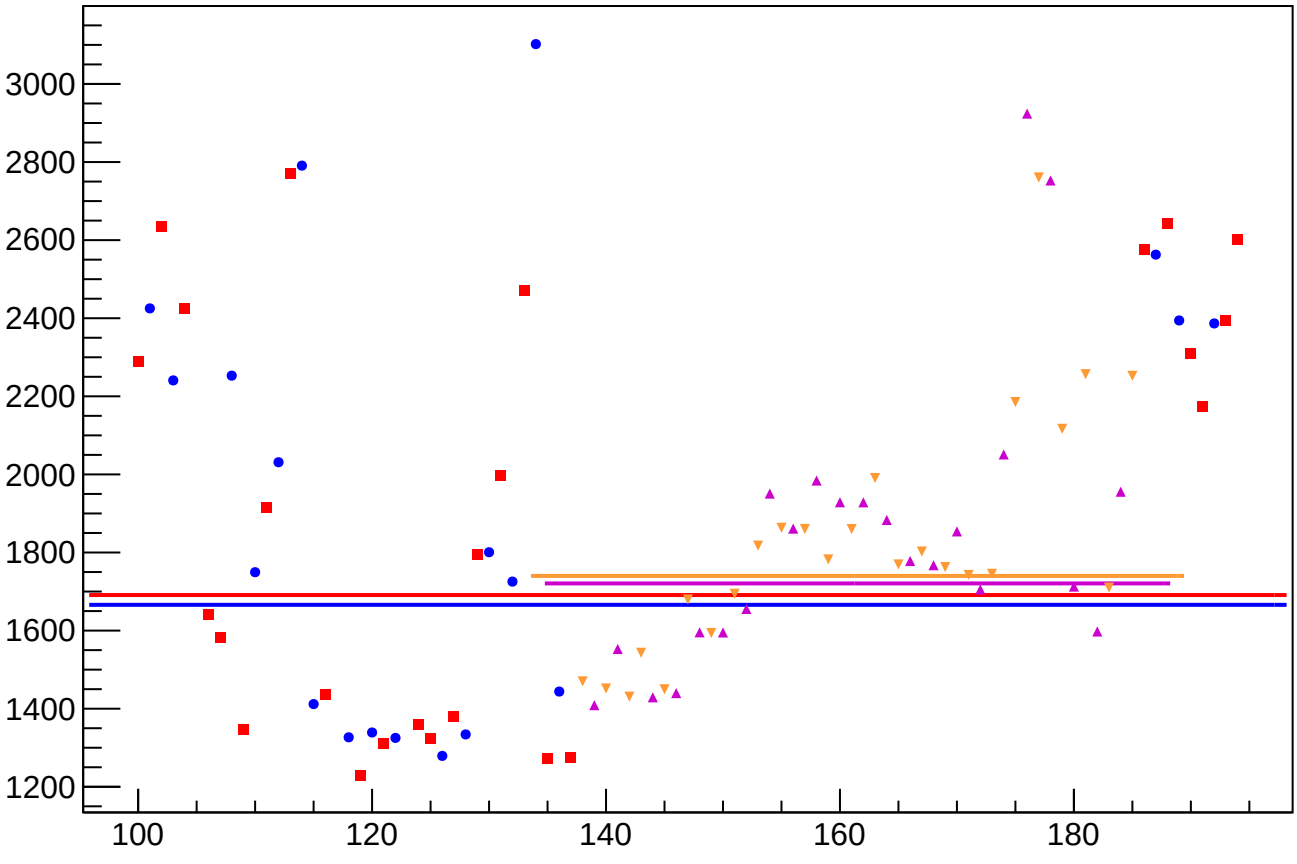
Right Out: -19.155+/-0.542 χ^2/NDF: 676.9/24

Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

+ sign -2.022+/-0.332 χ^2/NDF: 7191.6/43

All: 3.489+/-0.233 χ^2/NDF: 12899.8/91

- sign 8.807+/-0.326 χ^2/NDF: 5167.4/47



Right In: 1665.981+/-0.417 χ^2/NDF: 1141794.9/18

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1691.094+/-0.383 χ^2/NDF: 1835456.3/24

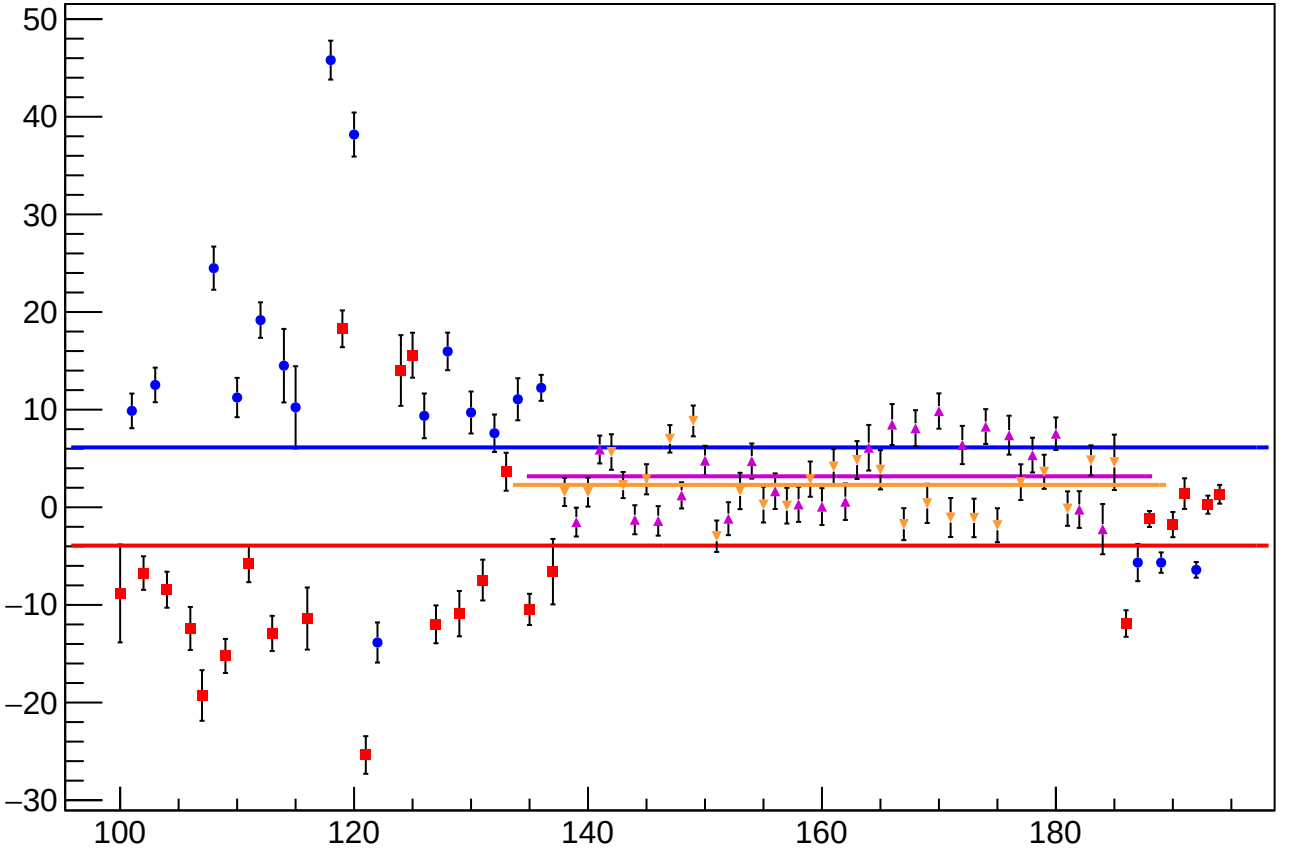
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1716.609+/-0.235 χ^2/NDF: 1916715.2/43

All: 1713.277+/-0.165 χ^2/NDF: 4640406.7/91

- sign 1710.062+/-0.231 χ^2/NDF: 2723296.0/47

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: -3.922+/-0.323 χ^2/NDF: 663.8/24

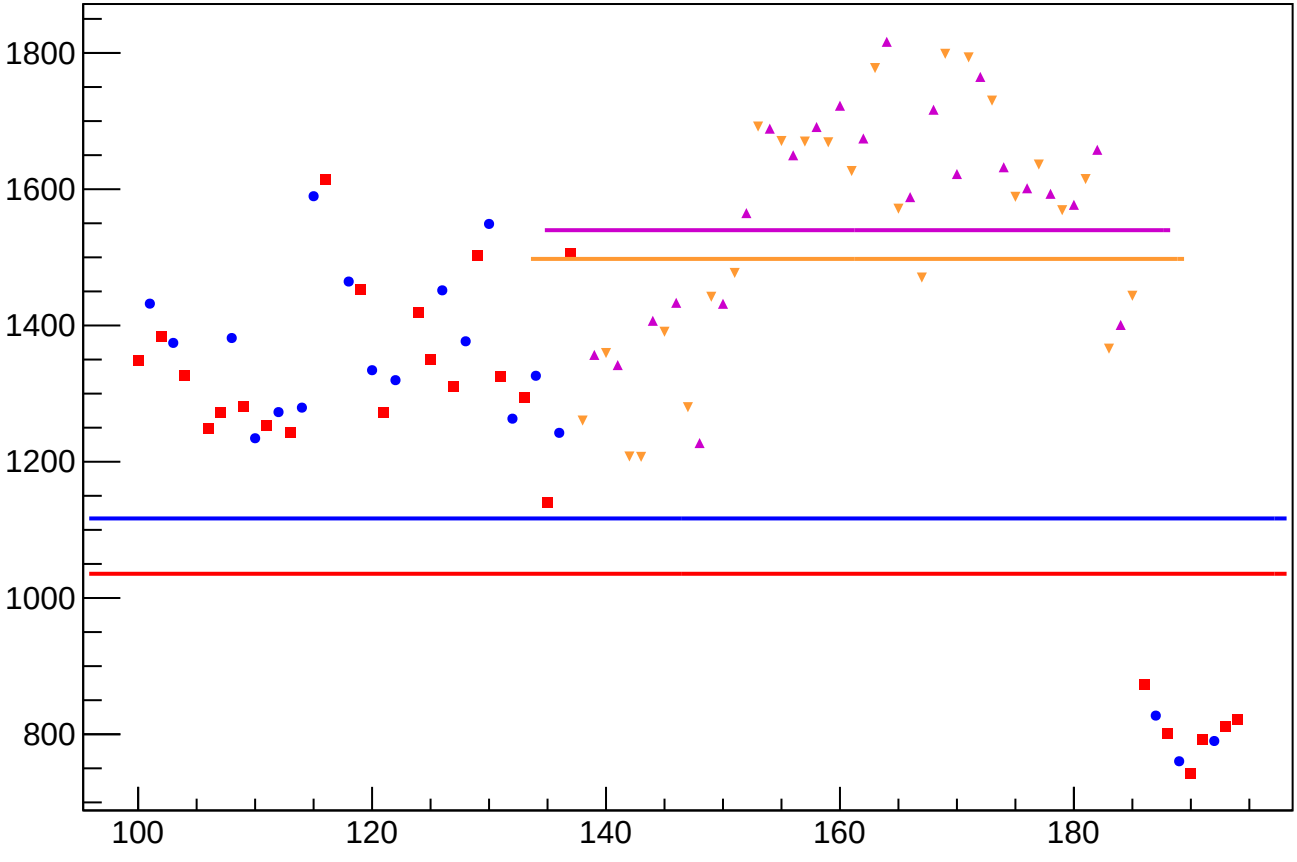
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 3.984+/-0.257 χ^2/NDF: 1438.5/43

All: 1.453+/-0.176 χ^2/NDF: 2608.6/91

- sign -0.779+/-0.241 χ^2/NDF: 987.6/47

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: 1035.558+/-0.229 χ^2/NDF: 1325344.5/24

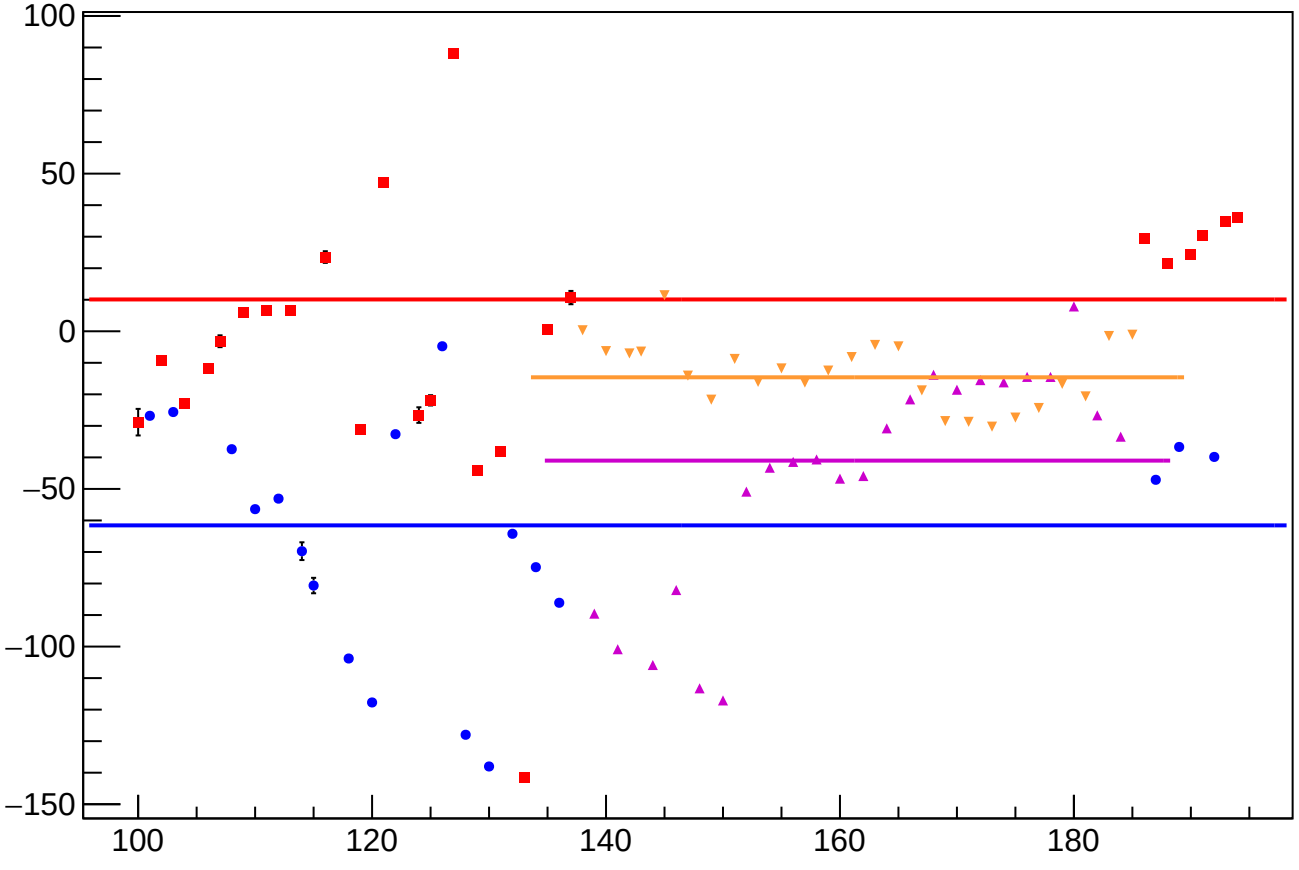
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1329.955+/-0.182 χ^2/NDF: 2753788.0/43

All: 1292.247+/-0.124 χ^2/NDF: 6697242.1/91

- sign 1259.005+/-0.171 χ^2/NDF: 3862405.8/47

diff_bpm1i02X_mean vs Slug



Right In: -61.561+/-0.286 χ^2/NDF: 15060.2/18

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 10.094+/-0.241 χ^2/NDF: 26144.5/24

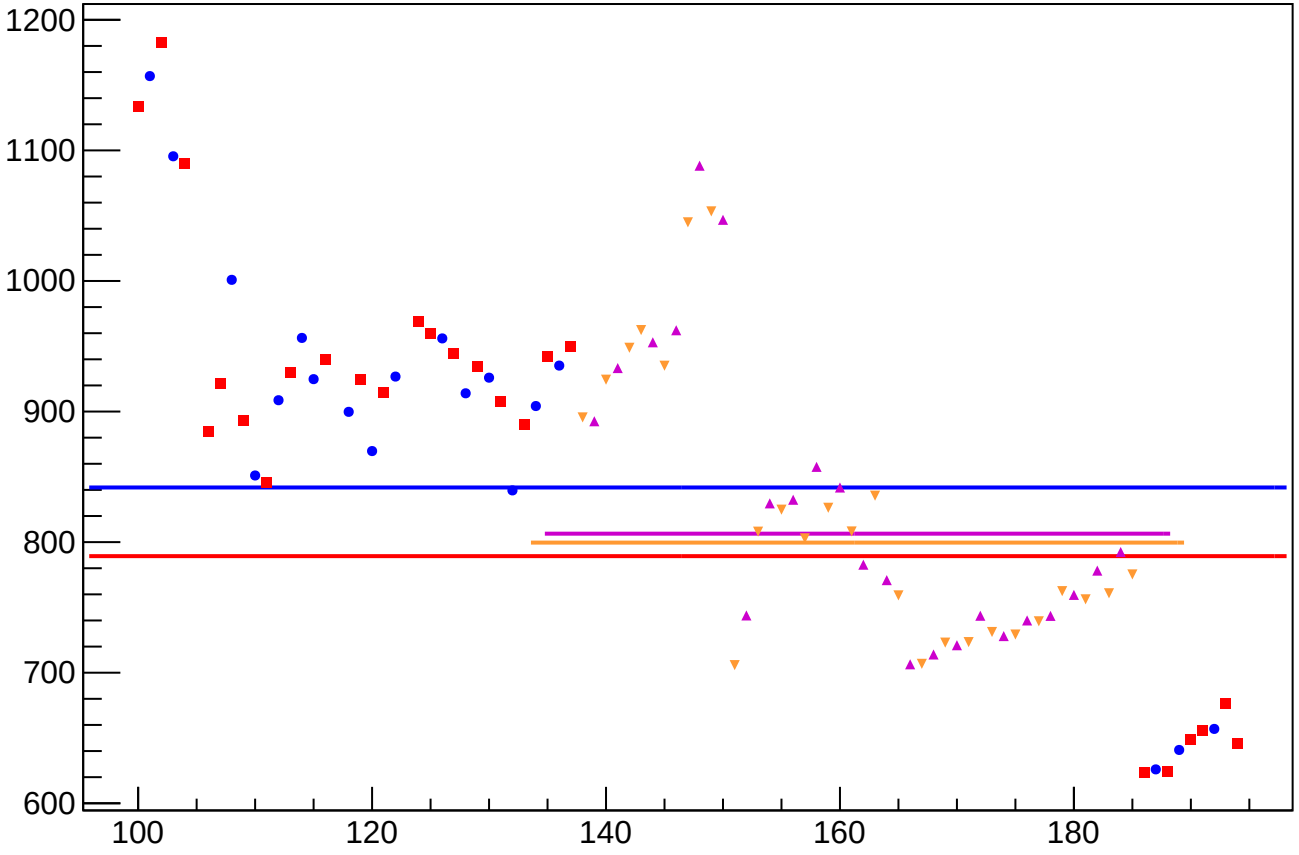
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -28.224+/-0.154 χ^2/NDF: 37340.7/43

All: -24.721+/-0.107 χ^2/NDF: 123336.4/91

- sign -21.444+/-0.149 χ^2/NDF: 84995.8/47

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: 789.267+/-0.170 χ^2/NDF: 869471.0/24

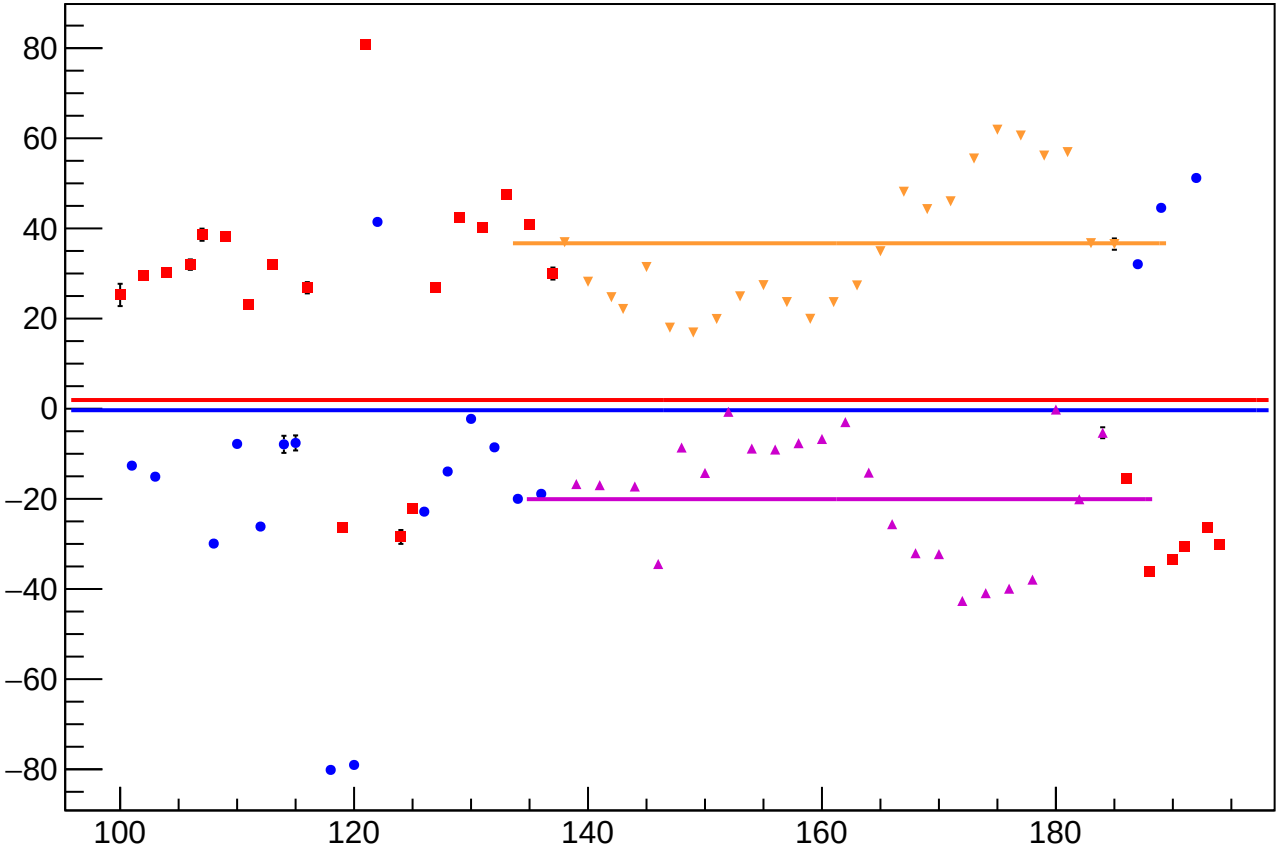
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 811.889+/-0.109 χ^2/NDF: 1084779.8/43

All: 805.687+/-0.076 χ^2/NDF: 2478112.1/91

- sign 799.886+/-0.105 χ^2/NDF: 1387066.0/47

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: 1.928+/-0.169 χ^2/NDF: 42827.2/24

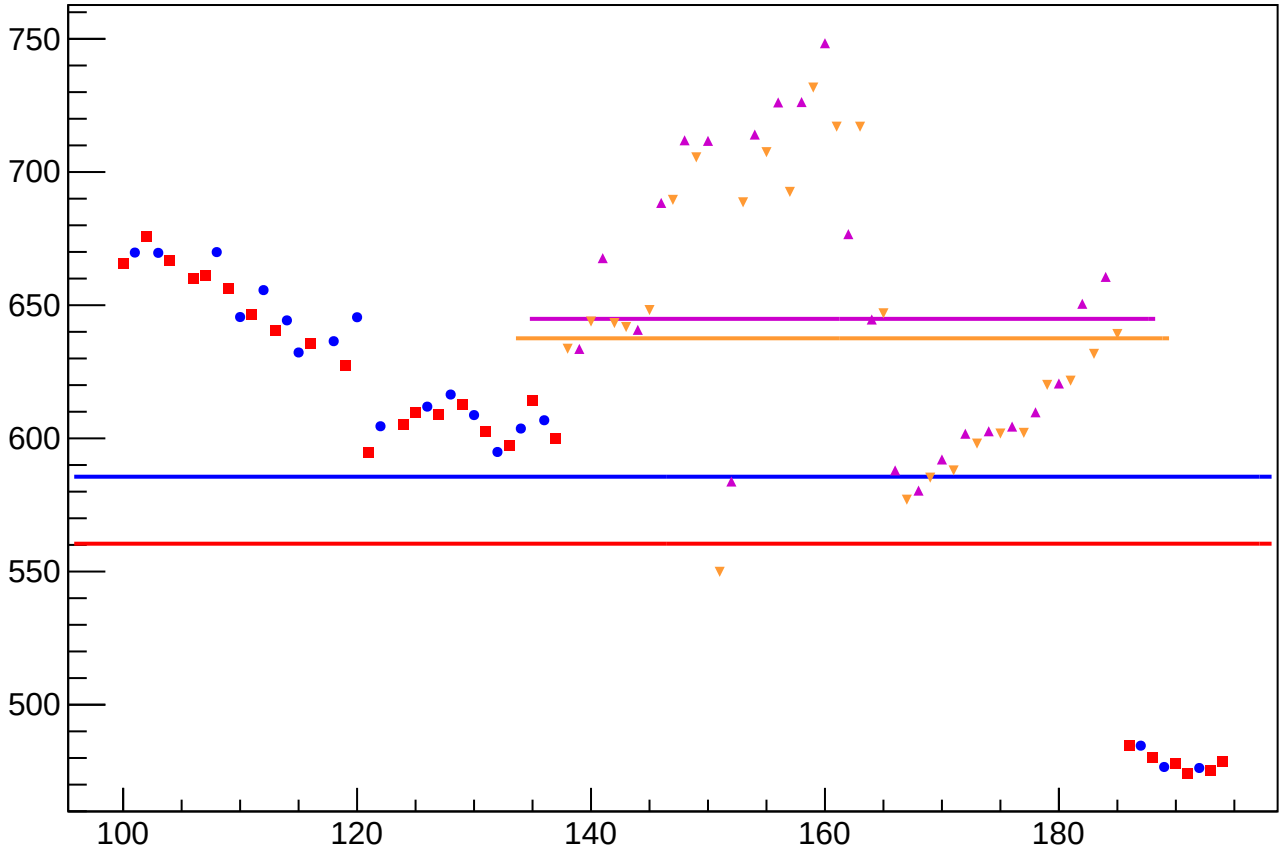
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 23.669+/-0.117 χ^2/NDF: 69928.0/43

All: 6.047+/-0.081 χ^2/NDF: 174386.2/91

- sign -10.302+/-0.113 χ^2/NDF: 60781.7/47

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: 560.456+/-0.120 χ^2/NDF: 420872.7/24

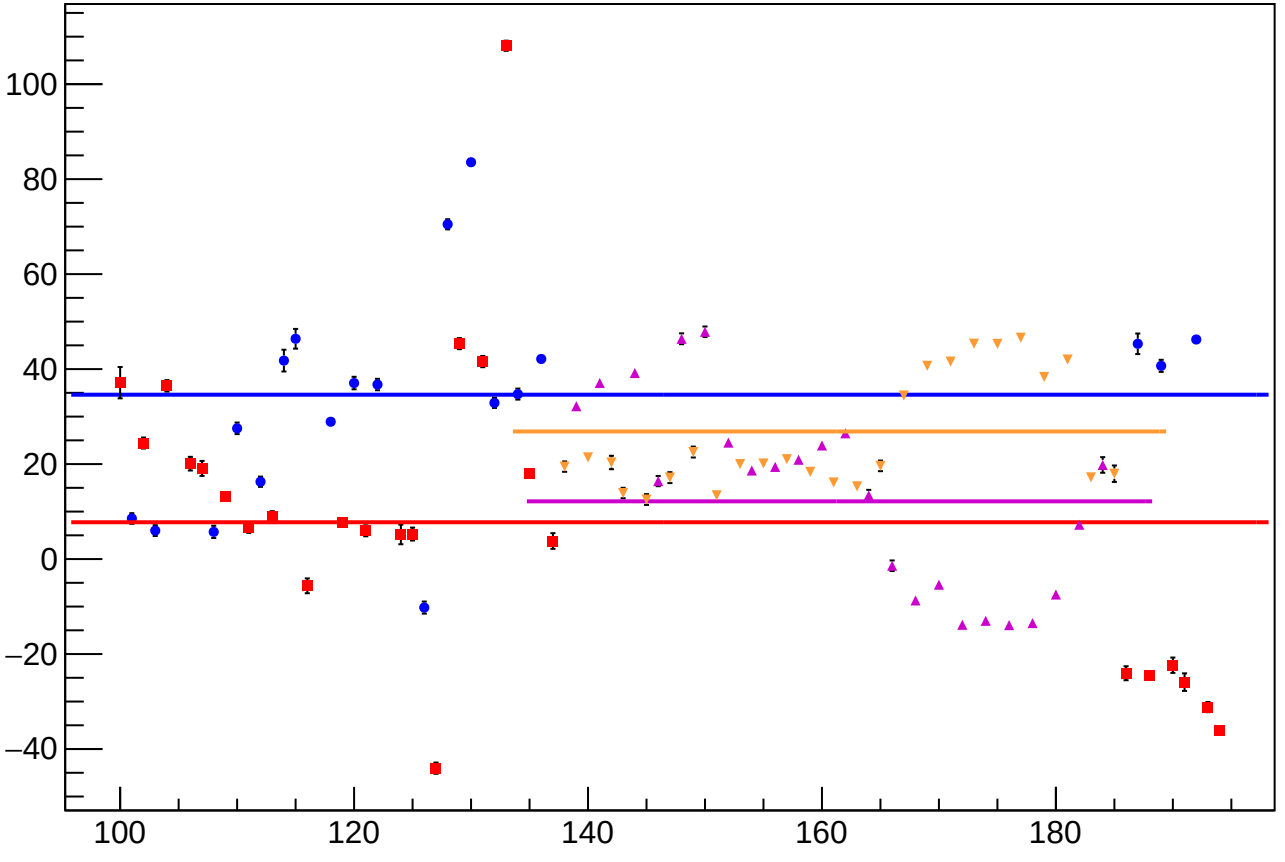
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 619.283+/-0.083 χ^2/NDF: 596894.5/43

All: 613.114+/-0.057 χ^2/NDF: 1534717.8/91

- sign 607.390+/-0.080 χ^2/NDF: 927116.7/47

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: 7.754+/-0.247 χ^2/NDF: 19440.2/24

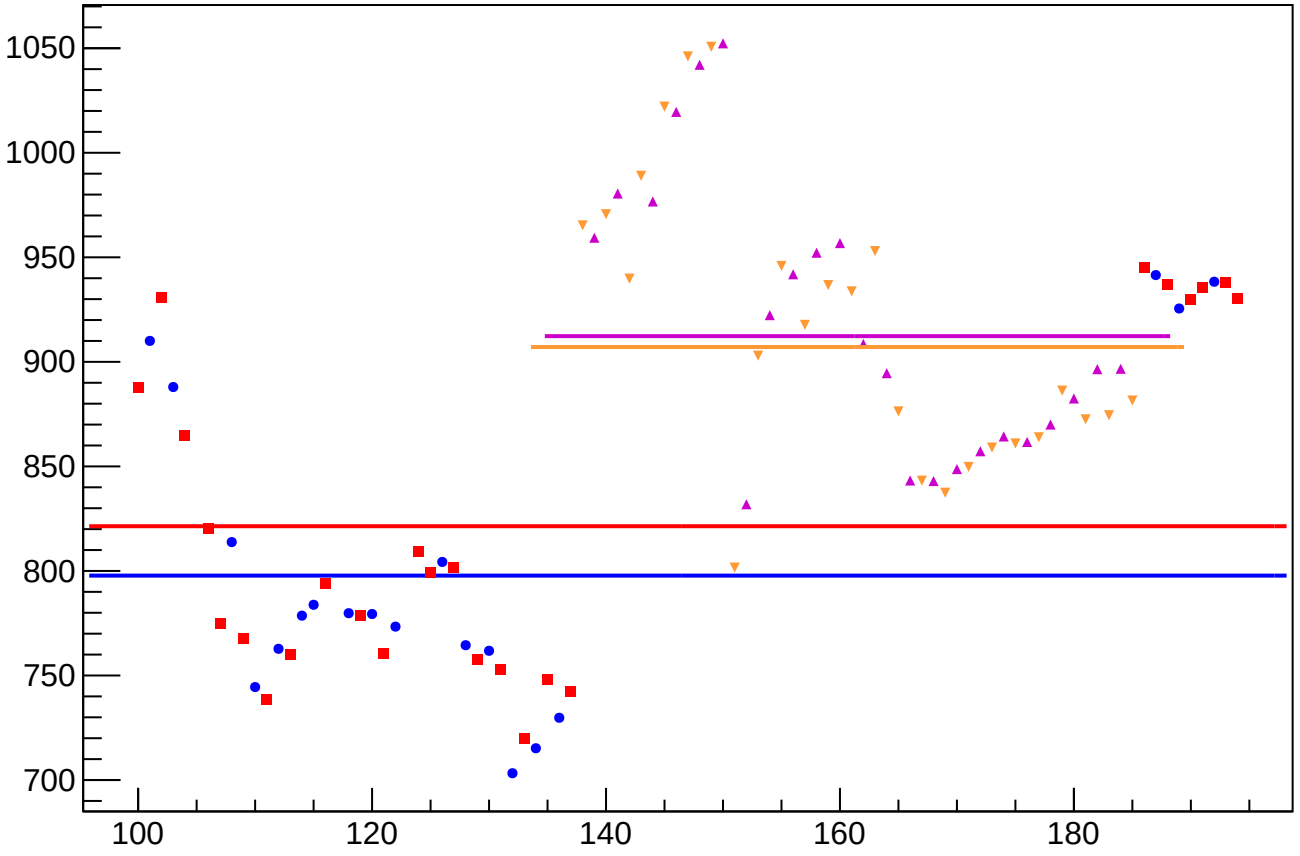
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 29.753+/-0.164 χ^2/NDF: 10839.8/43

All: 19.887+/-0.115 χ^2/NDF: 46183.3/91

- sign 10.272+/-0.162 χ^2/NDF: 28169.2/47

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: 821.392+/-0.175 χ^2/NDF: 211132.5/24

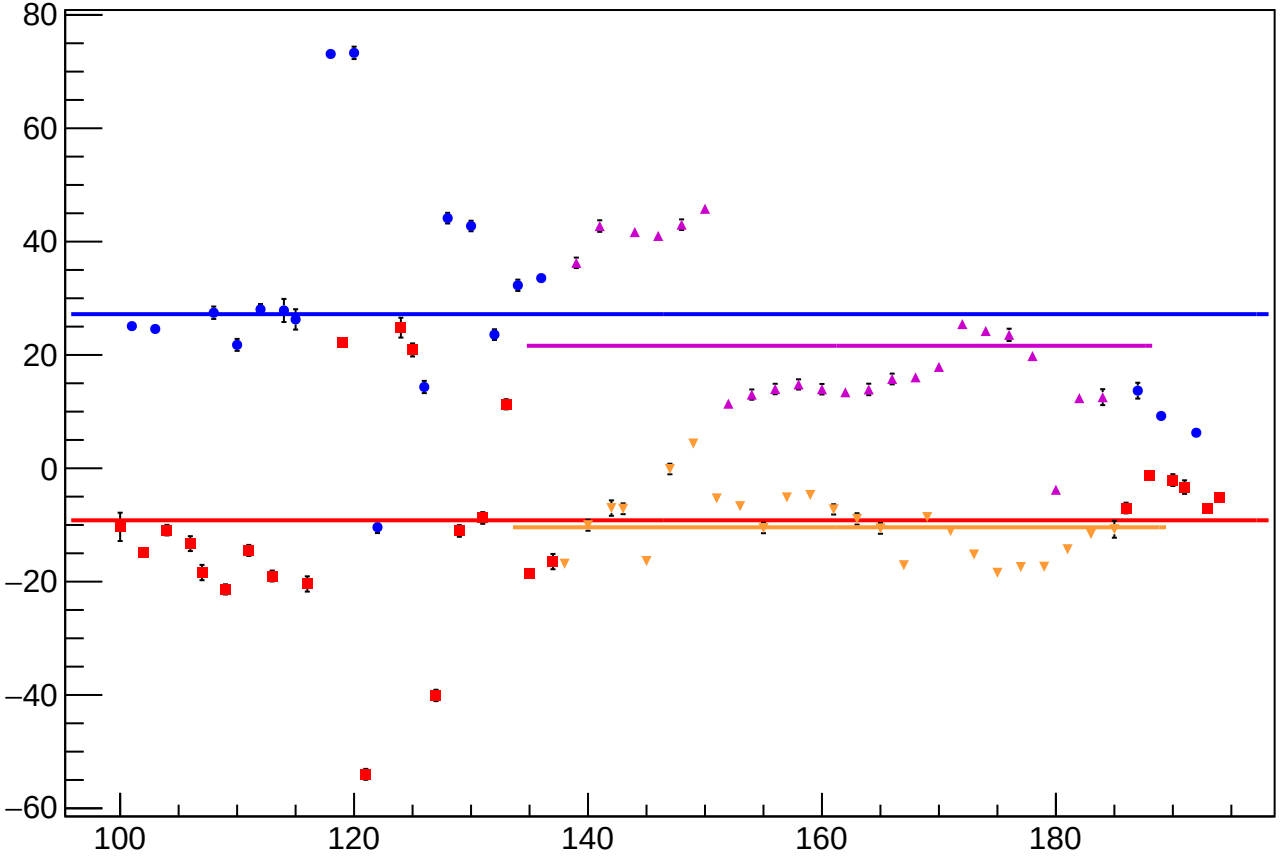
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 866.333+/-0.116 χ^2/NDF: 562209.9/43

All: 869.895+/-0.081 χ^2/NDF: 1104958.6/91

- sign 873.367+/-0.114 χ^2/NDF: 540878.1/47

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: -9.178+/-0.191 χ^2/NDF: 6982.8/24

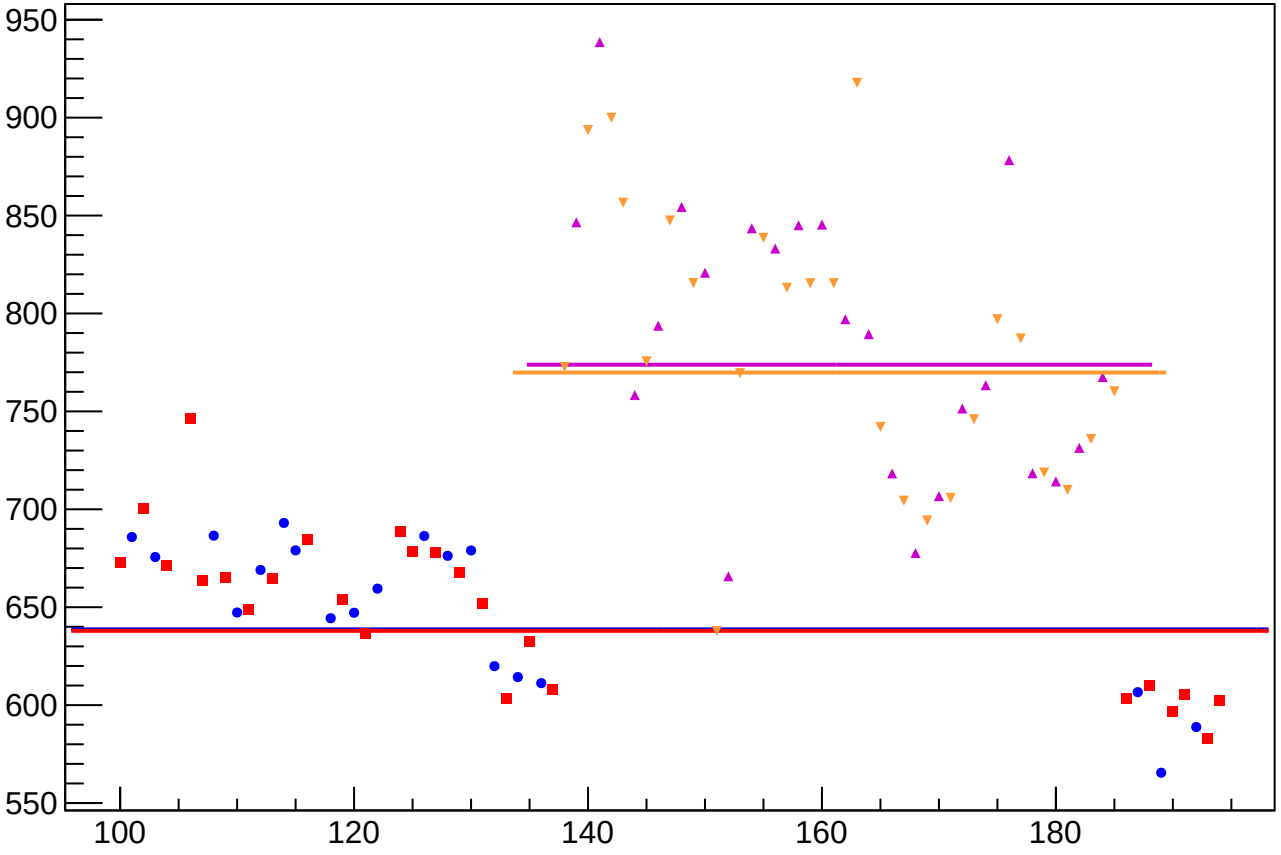
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 4.748+/-0.136 χ^2/NDF: 28068.6/43

All: 5.904+/-0.095 χ^2/NDF: 54046.4/91

- sign 6.991+/-0.132 χ^2/NDF: 25837.7/47

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: 637.938+/-0.135 χ^2/NDF: 78962.5/24

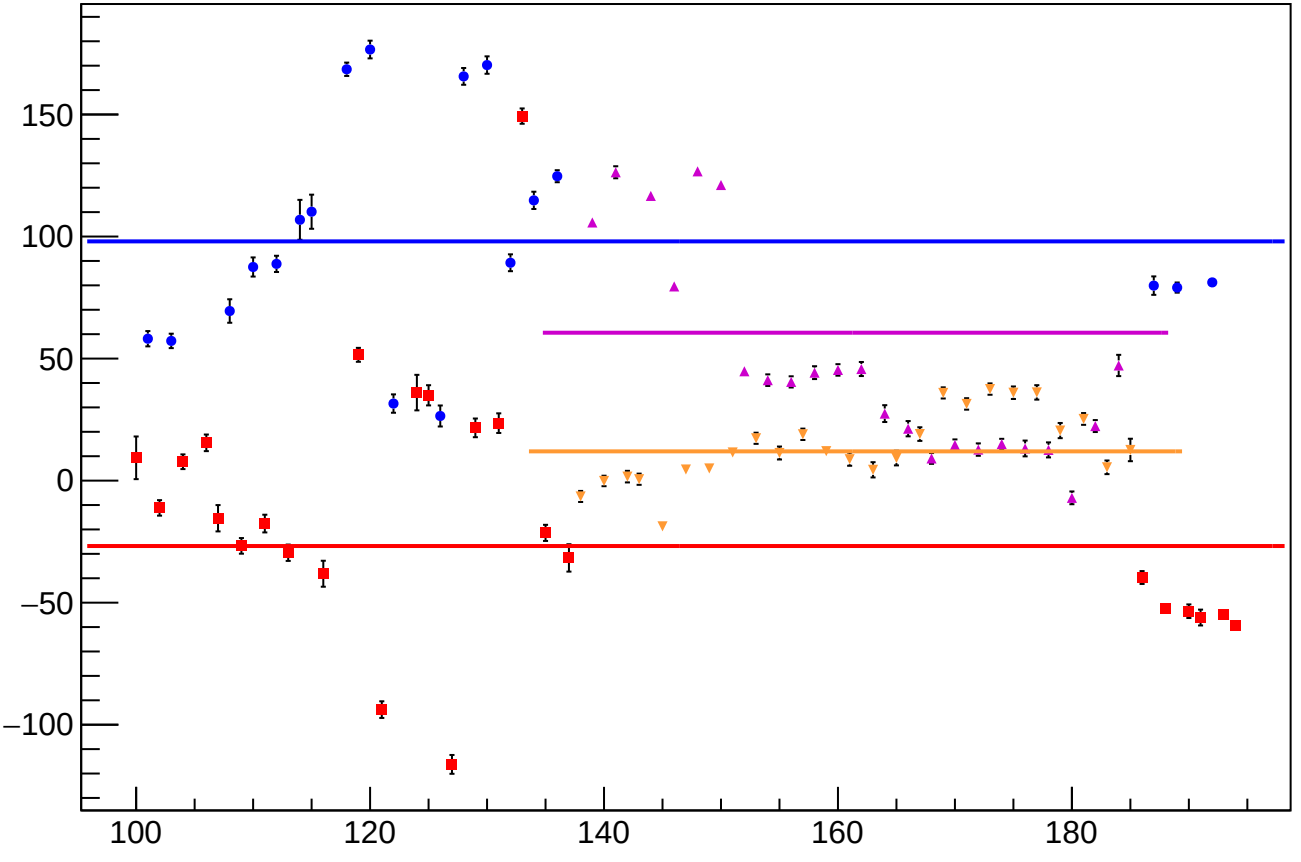
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 716.987+/-0.096 χ^2/NDF: 820319.2/43

All: 713.016+/-0.067 χ^2/NDF: 1715576.0/91

- sign 709.286+/-0.093 χ^2/NDF: 891949.9/47

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: -26.794+/-0.605 χ^2/NDF: 6831.2/24

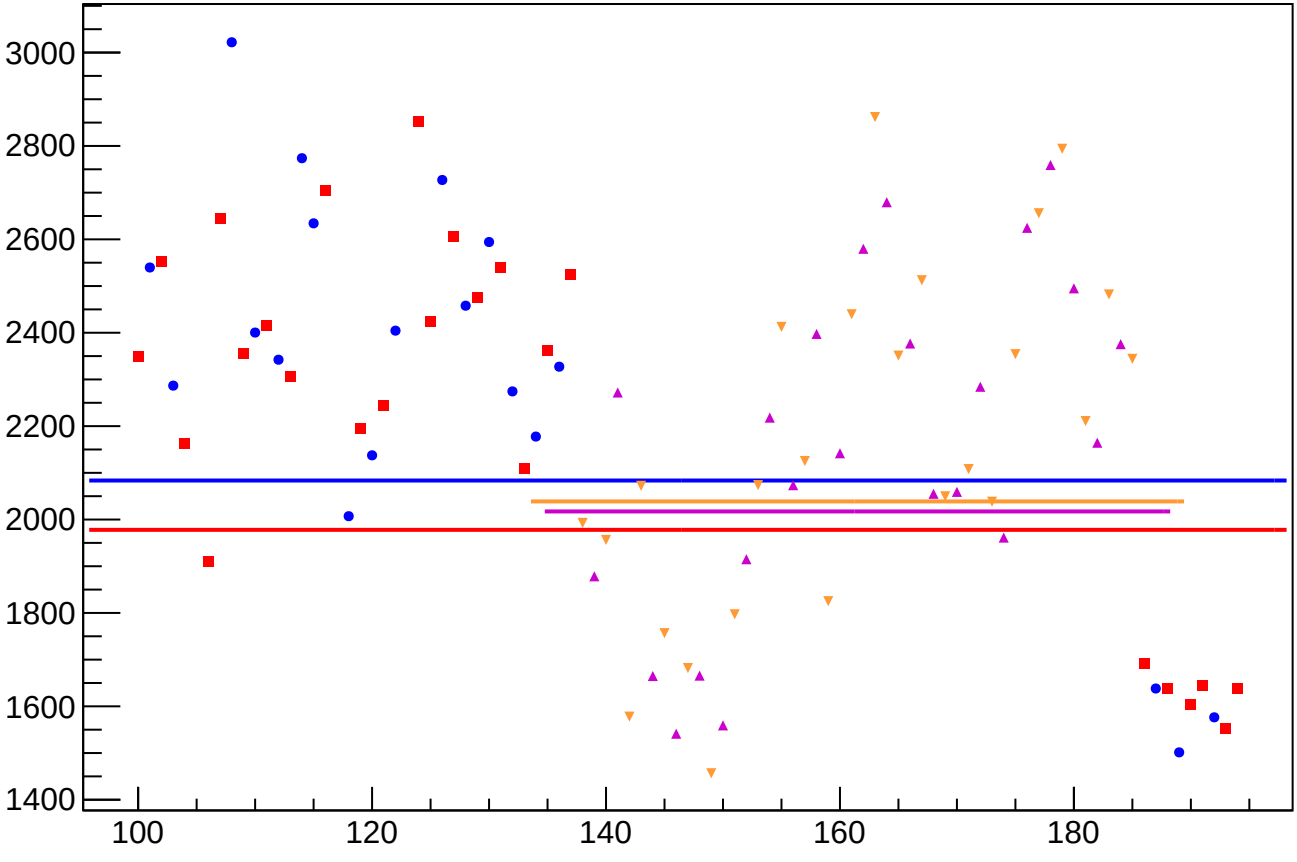
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 38.146+/-0.393 χ^2/NDF: 14354.1/43

All: 32.191+/-0.272 χ^2/NDF: 43056.3/91

- sign 26.740+/-0.376 χ^2/NDF: 28263.3/47

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: 1977.932+/-0.428 χ^2/NDF: 830105.6/24

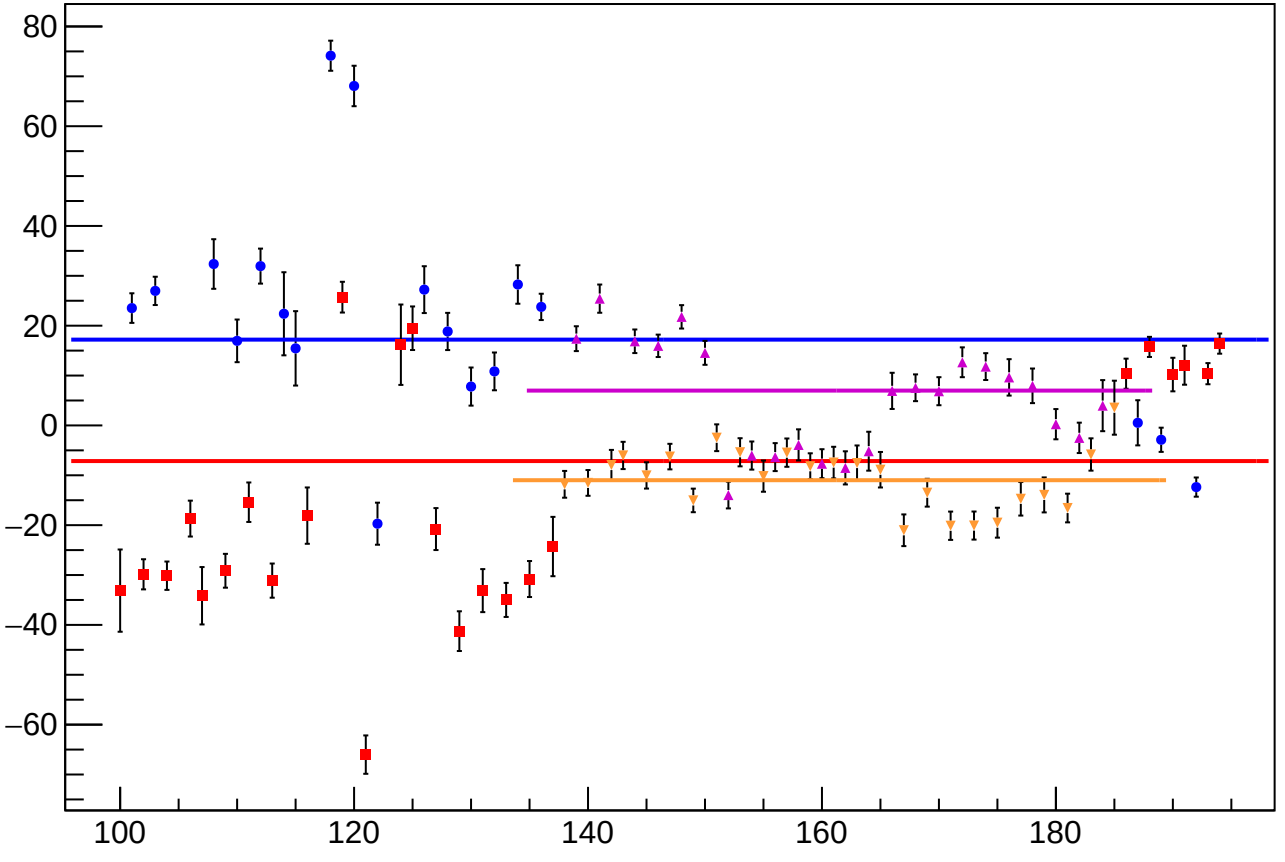
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 2052.400+/-0.278 χ^2/NDF: 1845540.1/43

All: 2026.122+/-0.192 χ^2/NDF: 3747983.7/91

- sign 2002.065+/-0.266 χ^2/NDF: 1885348.8/47

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: -7.147+/-0.673 χ^2/NDF: 1312.1/24

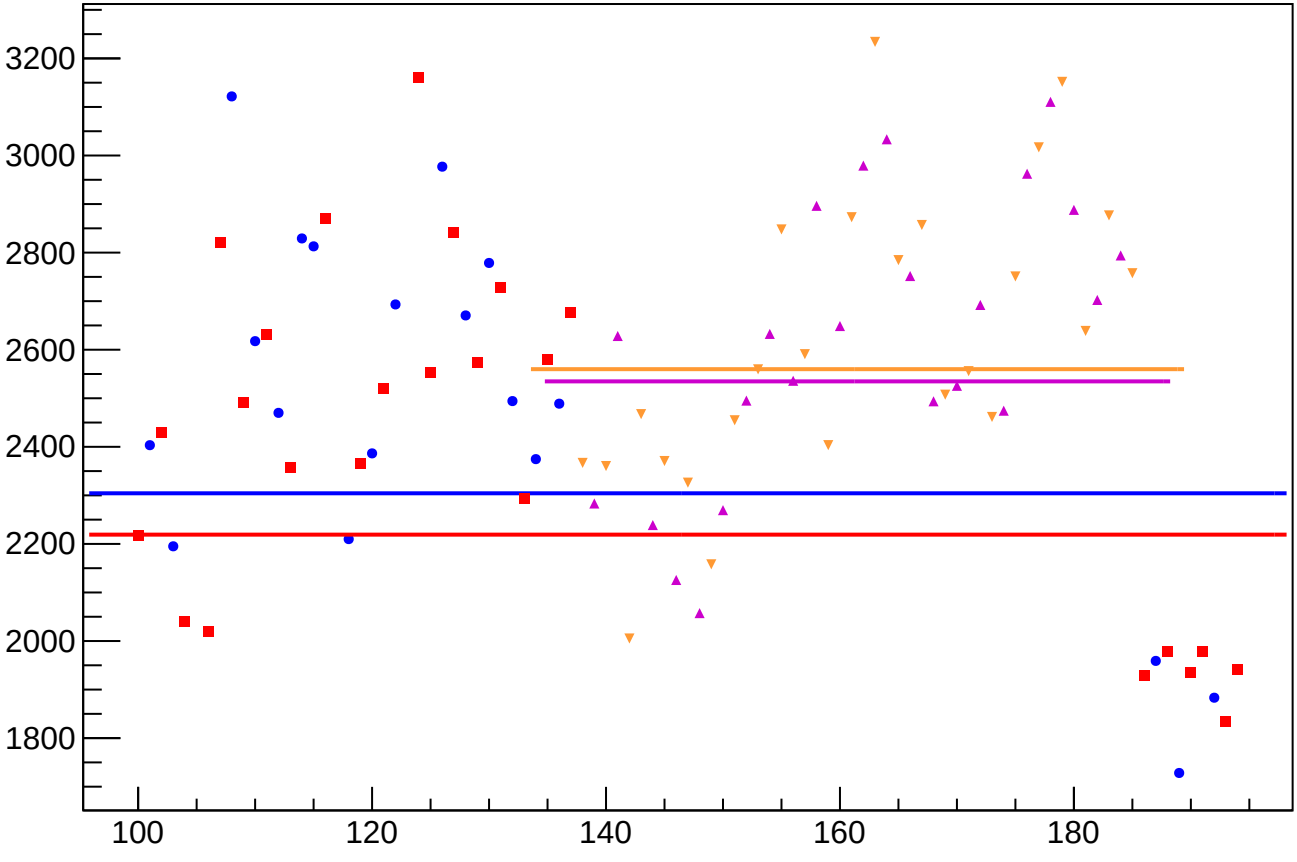
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

\+ sign -0.879+/-0.469 χ^2/NDF: 1897.1/43

All: -0.026+/-0.324 χ^2/NDF: 3801.0/91

\- sign 0.749+/-0.447 χ^2/NDF: 1897.6/47

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

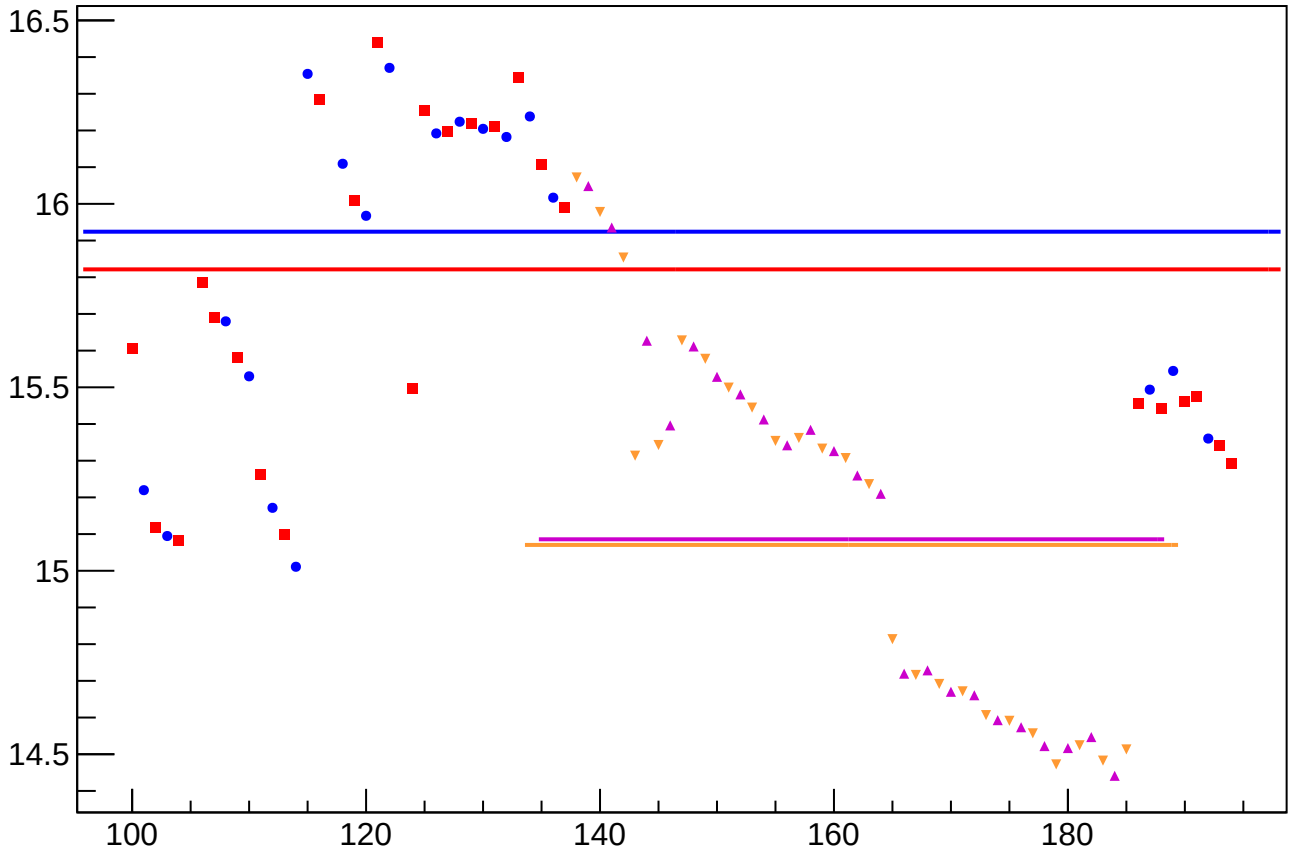
Right Out: 2219.124+/-0.476 χ^2/NDF: 458895.8/24

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2468.275+/-0.332 χ^2/NDF: 1024880.6/43

All: 2430.152+/-0.229 χ^2/NDF: 2218095.4/91

- sign 2395.503+/-0.316 χ^2/NDF: 1168016.6/47



Right In: 15.924+/-0.000 χ^2/NDF: 5646166519.8/18

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.821+/-0.000 χ^2/NDF: 8265094559.6/24

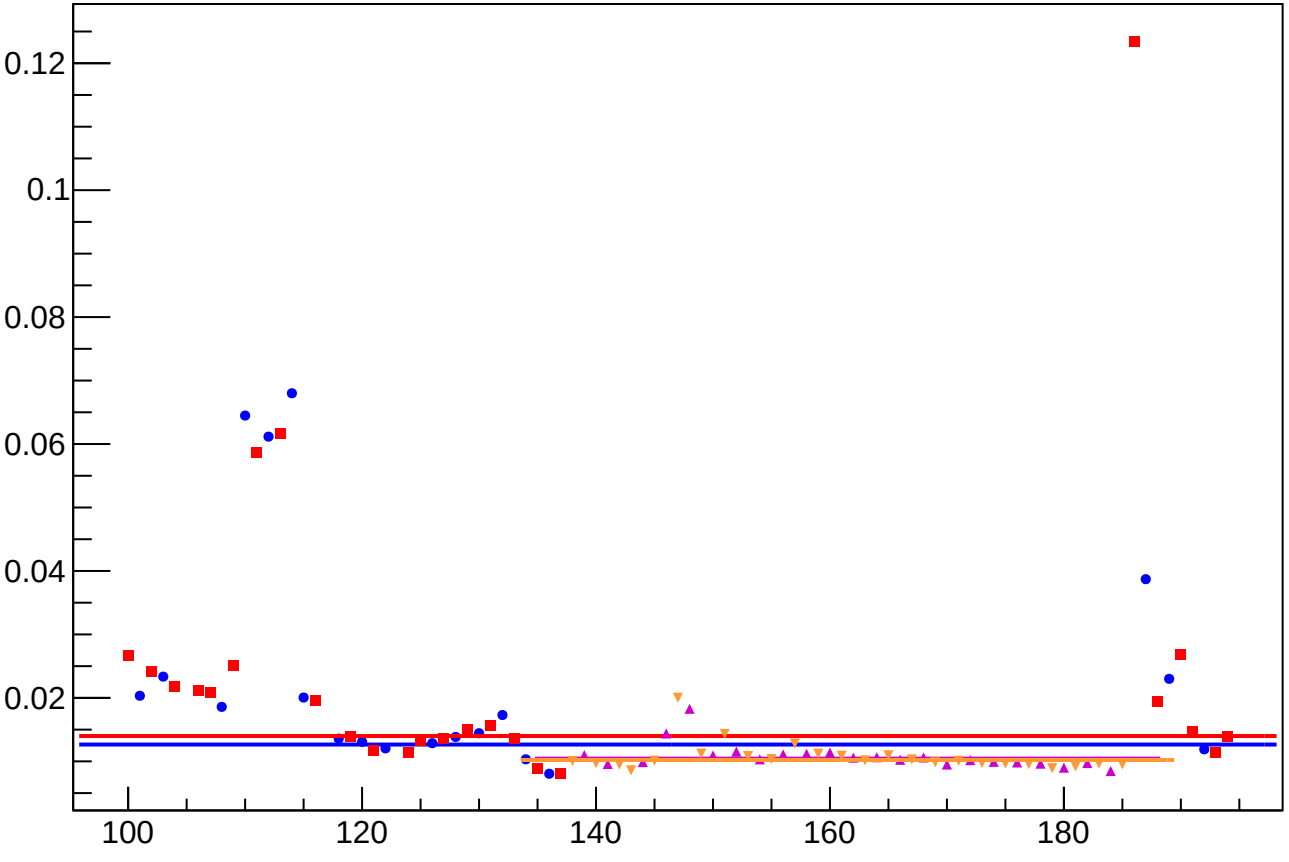
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.241+/-0.000 χ^2/NDF: 74686930721.5/43

All: 15.244+/-0.000 χ^2/NDF: 141292498777.

- sign 15.248+/-0.000 χ^2/NDF: 66600789650.1/47

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

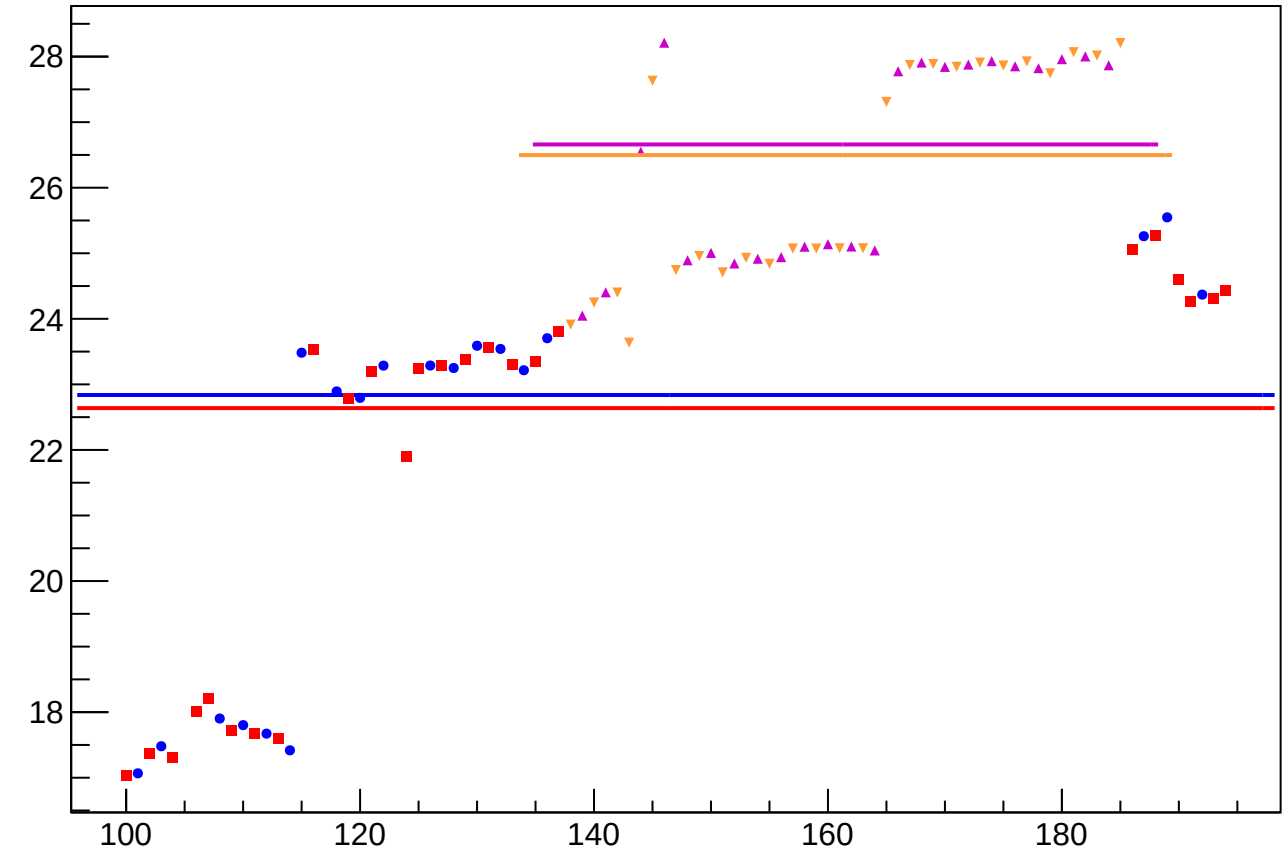
Right Out: 0.014+/-0.000 χ^2/NDF: 3220592.8/24

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: 8620154.5/91

- sign 0.011+/-0.000 χ^2/NDF: 4701758.4/47



Right In: 22.838+/-0.000 χ^2/NDF: 1301499504.5/18

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.638+/-0.000 χ^2/NDF: 1399135159.2/24

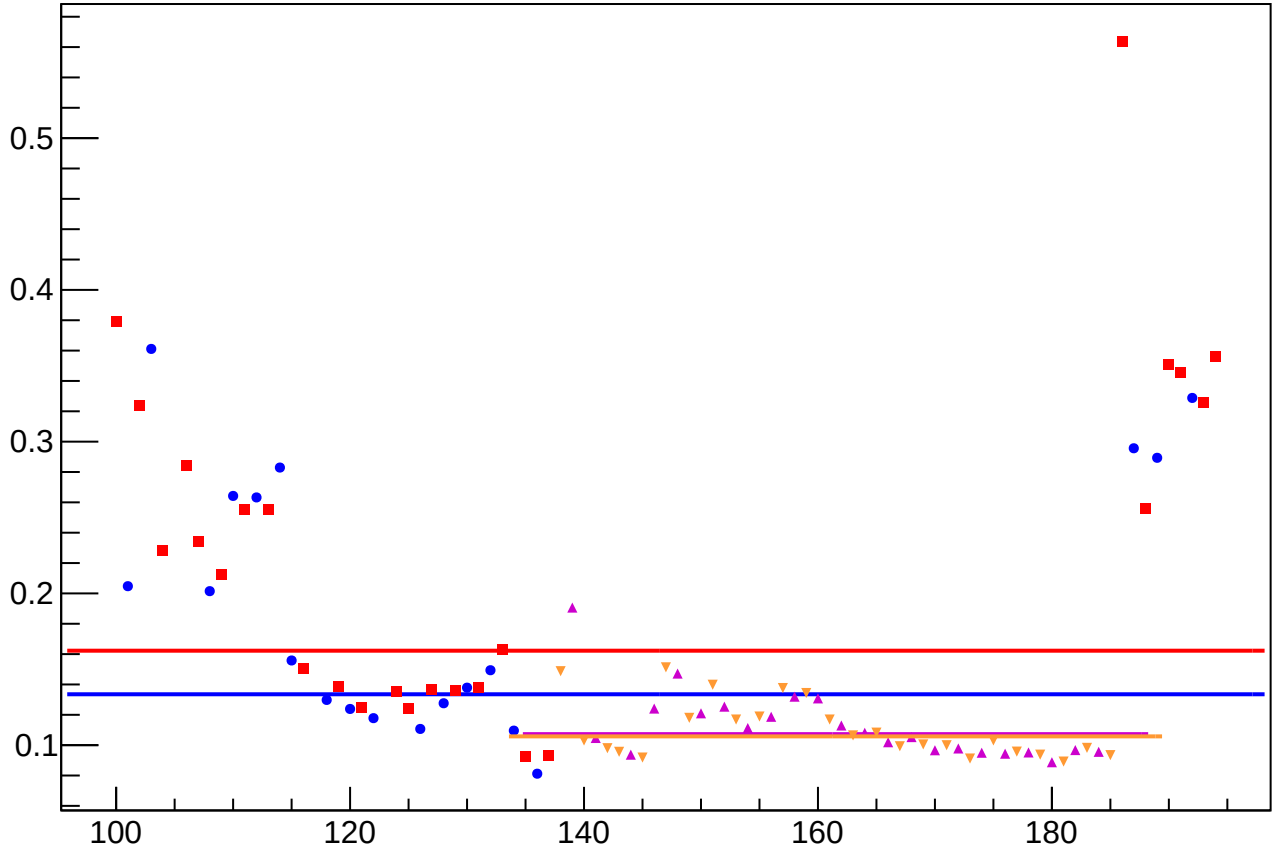
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.782+/-0.000 χ^2/NDF: 9095751500.9/43

All: 25.841+/-0.000 χ^2/NDF: 17520454212.8

- sign 25.905+/-0.000 χ^2/NDF: 8411320054.2/47

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: 0.162+/-0.000 χ^2/NDF: 3676101.6/24

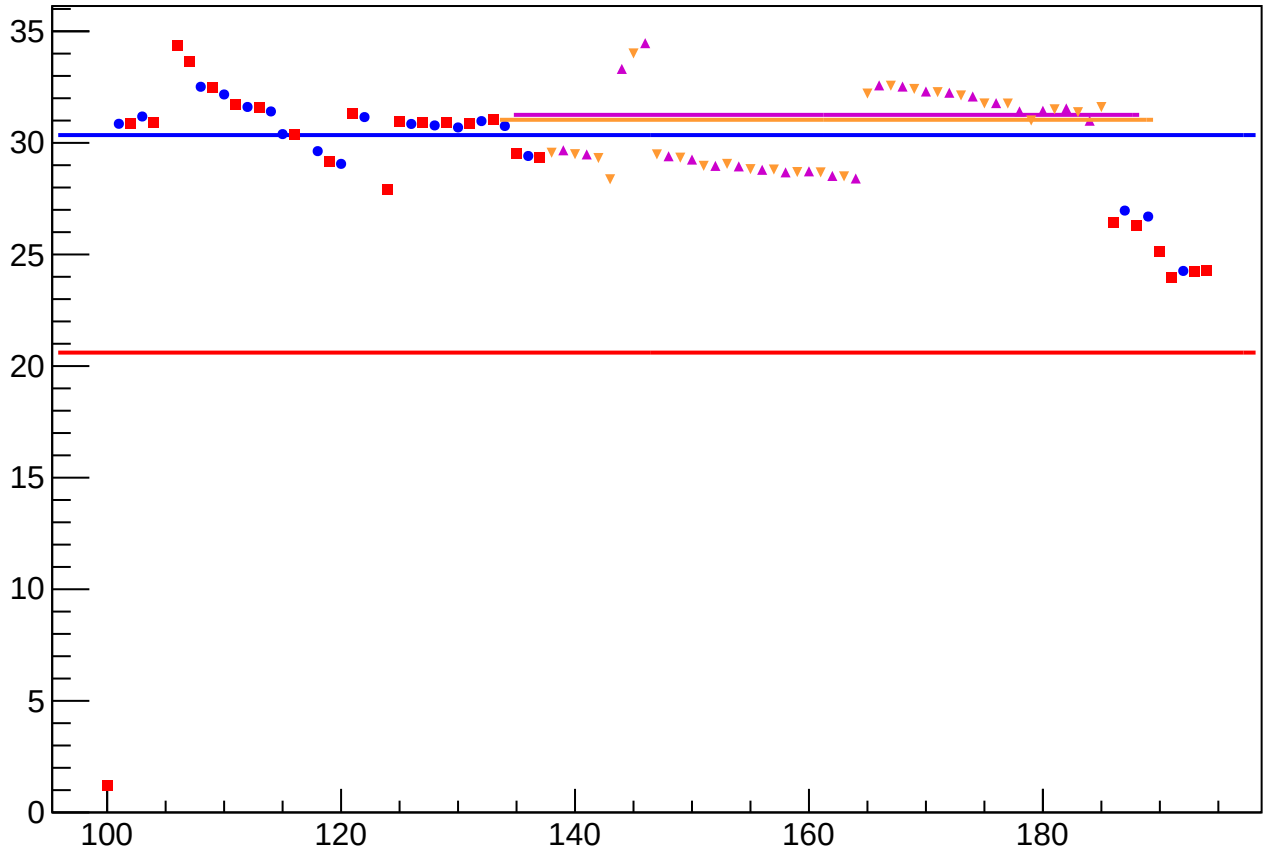
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.111+/-0.000 χ^2/NDF: 4086694.9/43

All: 0.114+/-0.000 χ^2/NDF: 10235811.4/91

- sign 0.118+/-0.000 χ^2/NDF: 6078095.1/47

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

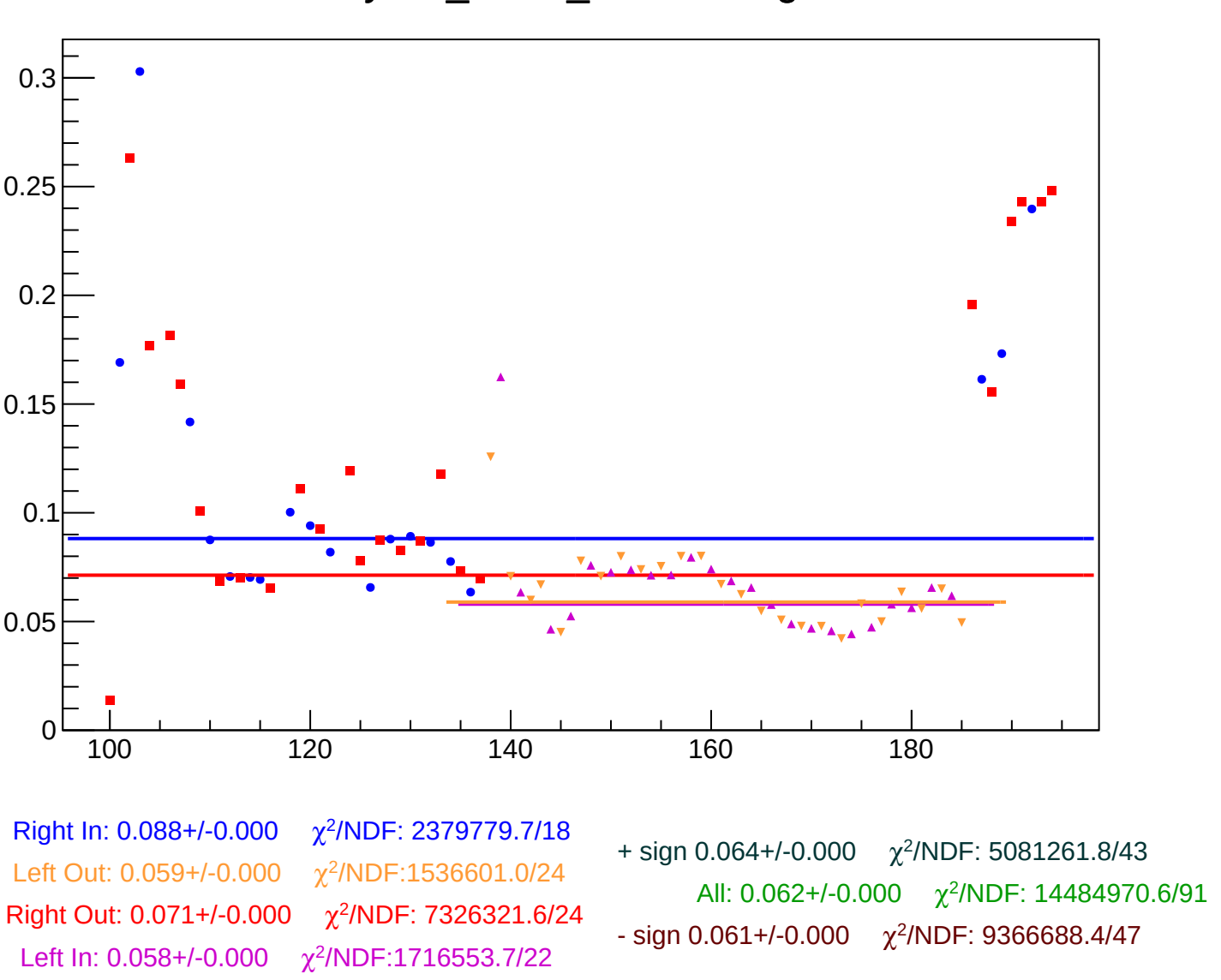
Right Out: 20.604+/-0.000 χ^2/NDF: 223511238654.1/24

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

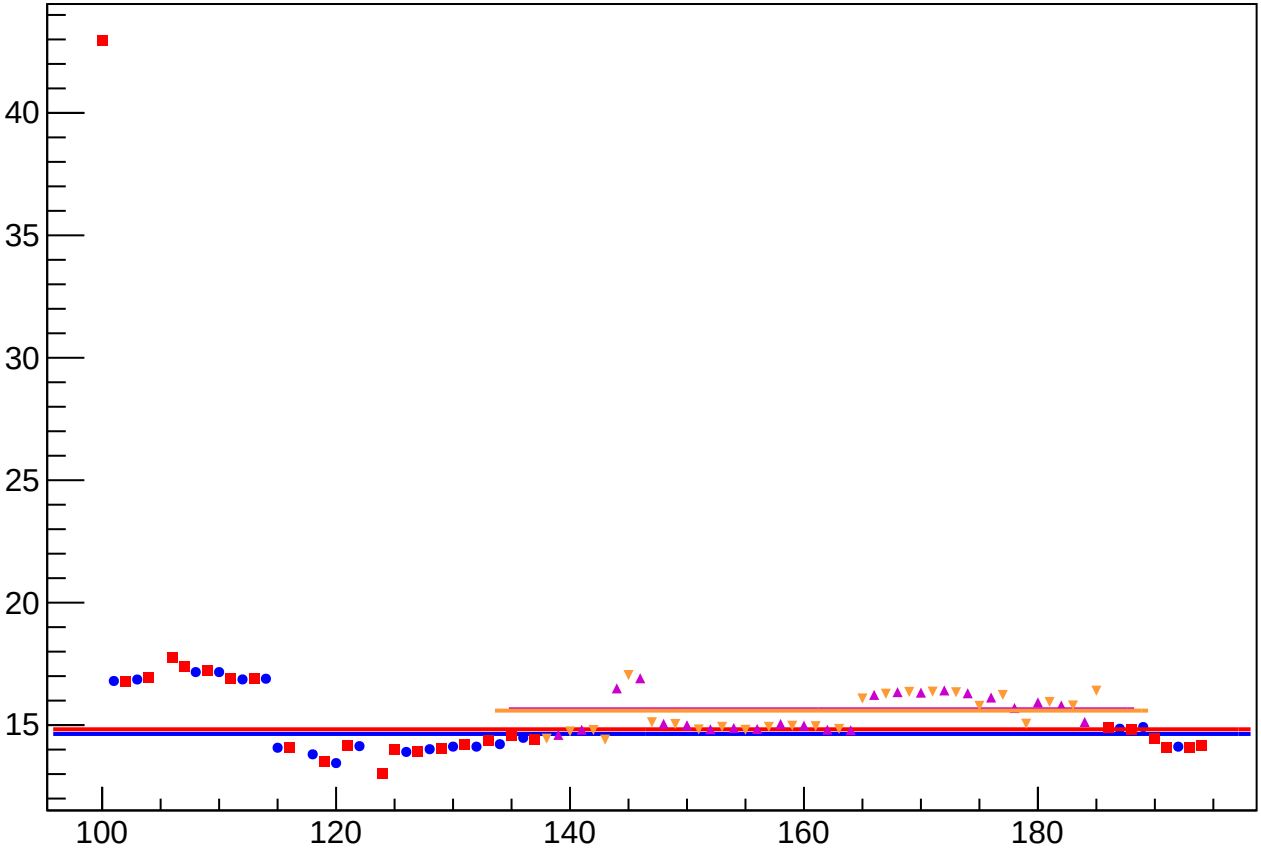
+ sign 30.925+/-0.000 χ^2/NDF: 13820013523.7/43

All: 29.892+/-0.000 χ^2/NDF: 364254936736.

- sign 28.898+/-0.000 χ^2/NDF: 339750645847.8/47


yield_sam3_rms vs Slug
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
Right In: 0.088+/-0.000 χ²/NDF: 2379779.7/18
Left Out: 0.059+/-0.000 χ²/NDF:1536601.0/24
Right Out: 0.071+/-0.000 χ²/NDF: 7326321.6/24
Left In: 0.058+/-0.000 χ²/NDF:1716553.7/22
+ sign 0.064+/-0.000 χ²/NDF: 5081261.8/43
All: 0.062+/-0.000 χ²/NDF: 14484970.6/91
- sign 0.061+/-0.000 χ²/NDF: 9366688.4/47

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: 14.829+/-0.000 χ^2/NDF: 1753621417.9/24

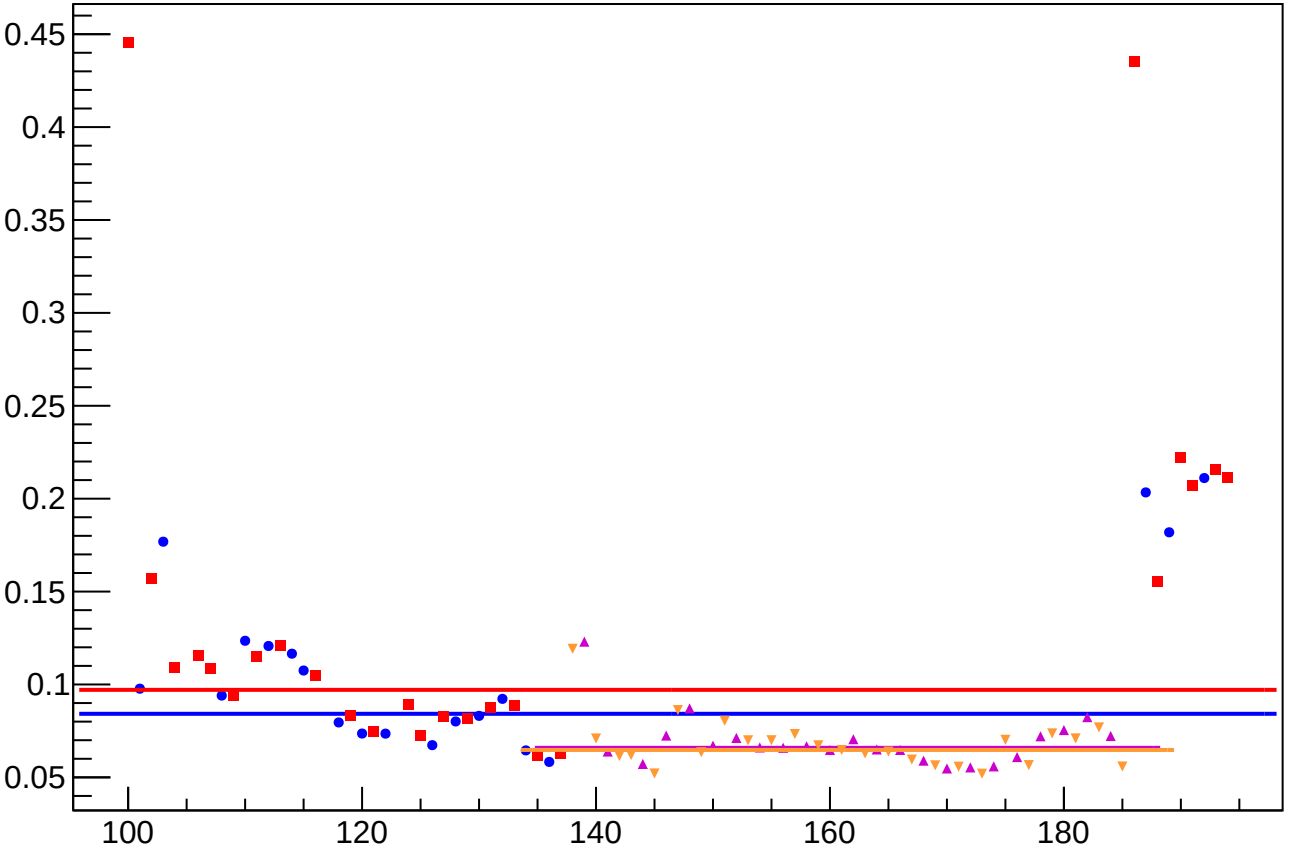
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.400+/-0.000 χ^2/NDF: 4170319074.0/43

All: 15.438+/-0.000 χ^2/NDF: 8280256840.8/9

- sign 15.479+/-0.000 χ^2/NDF: 4095267886.0/47

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: 0.097+/-0.000 χ^2/NDF: 3045751.0/24

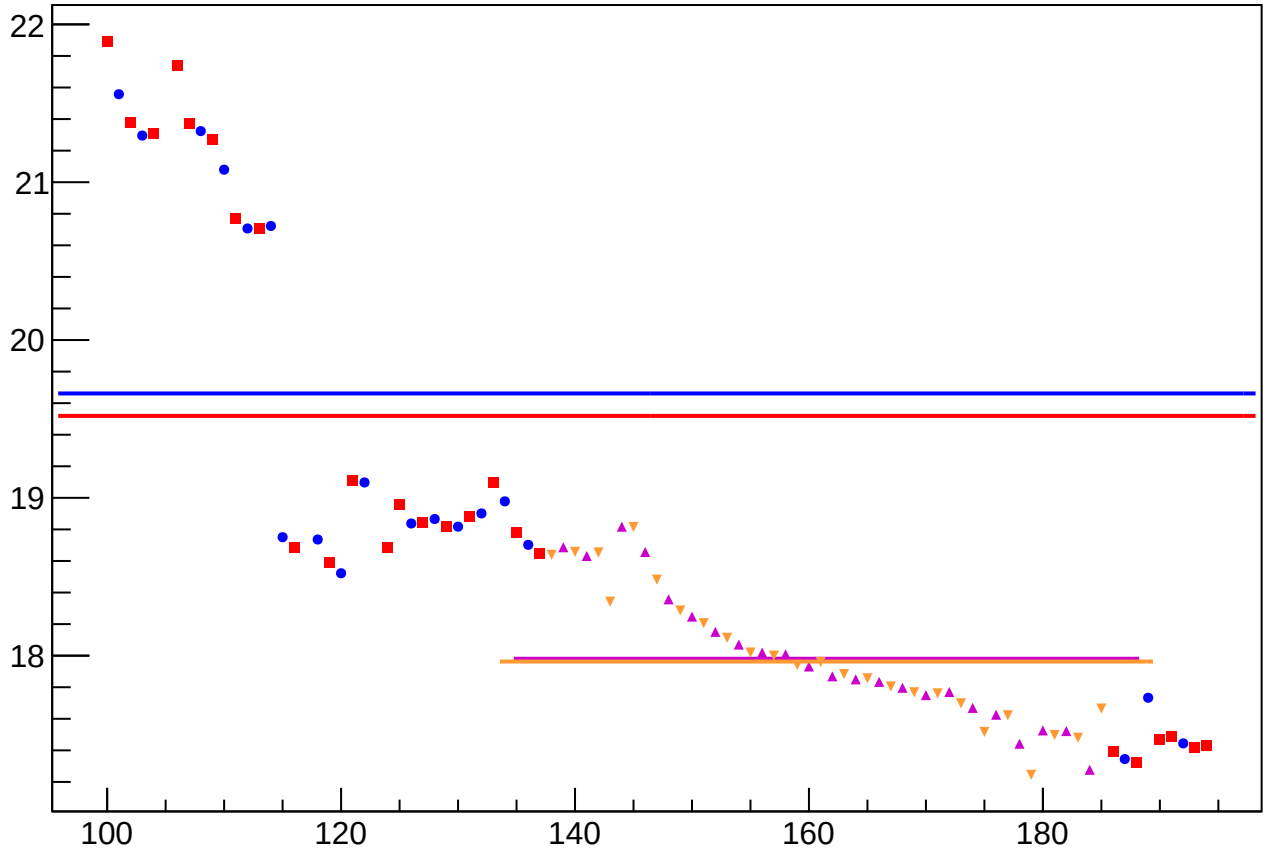
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.069+/-0.000 χ^2/NDF: 3531740.1/43

All: 0.070+/-0.000 χ^2/NDF: 8838413.5/91

- sign 0.072+/-0.000 χ^2/NDF: 5247220.2/47

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: 19.519+/-0.000 χ^2/NDF: 22231864761.0/24

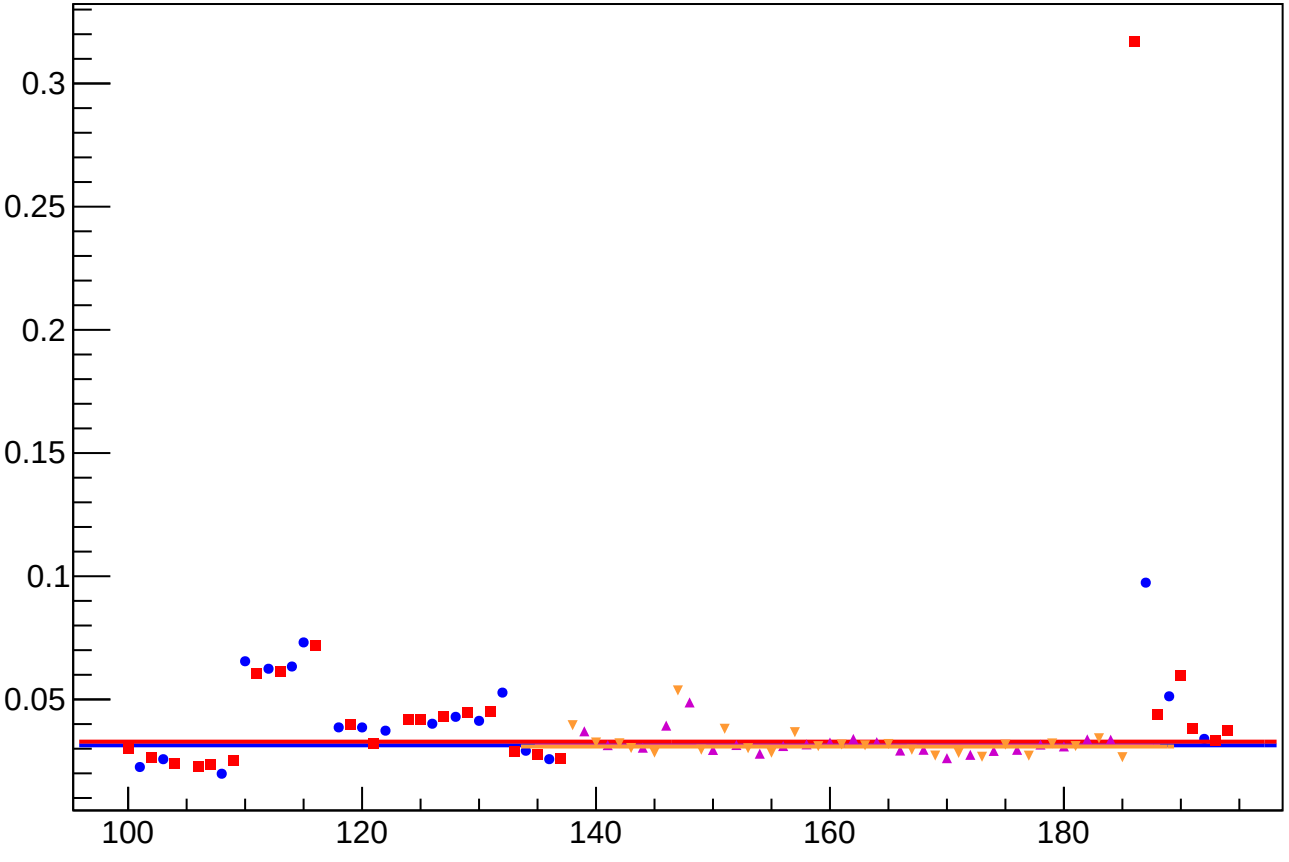
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.441+/-0.000 χ^2/NDF: 35037788870.7/43

All: 18.459+/-0.000 χ^2/NDF: 73695339868.3

- sign 18.478+/-0.000 χ^2/NDF: 38639103149.7/47

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

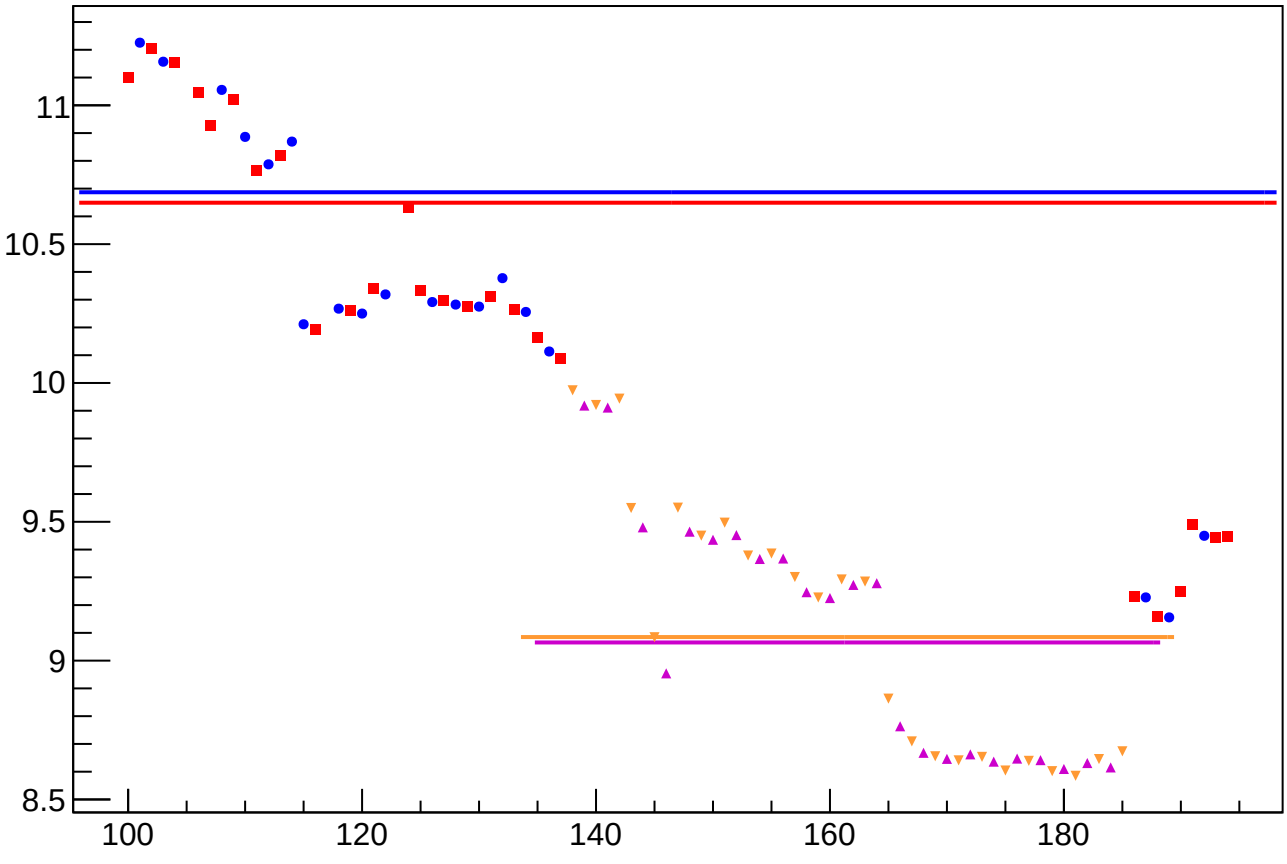
Right Out: 0.033+/-0.000 χ^2/NDF: 2151014.7/24

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: 5103105.8/91

- sign 0.032+/-0.000 χ^2/NDF: 2668668.0/47



Right In: 10.687+/-0.000 χ^2/NDF: 7706997189.4/18

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.649+/-0.000 χ^2/NDF: 8118269951.2/24

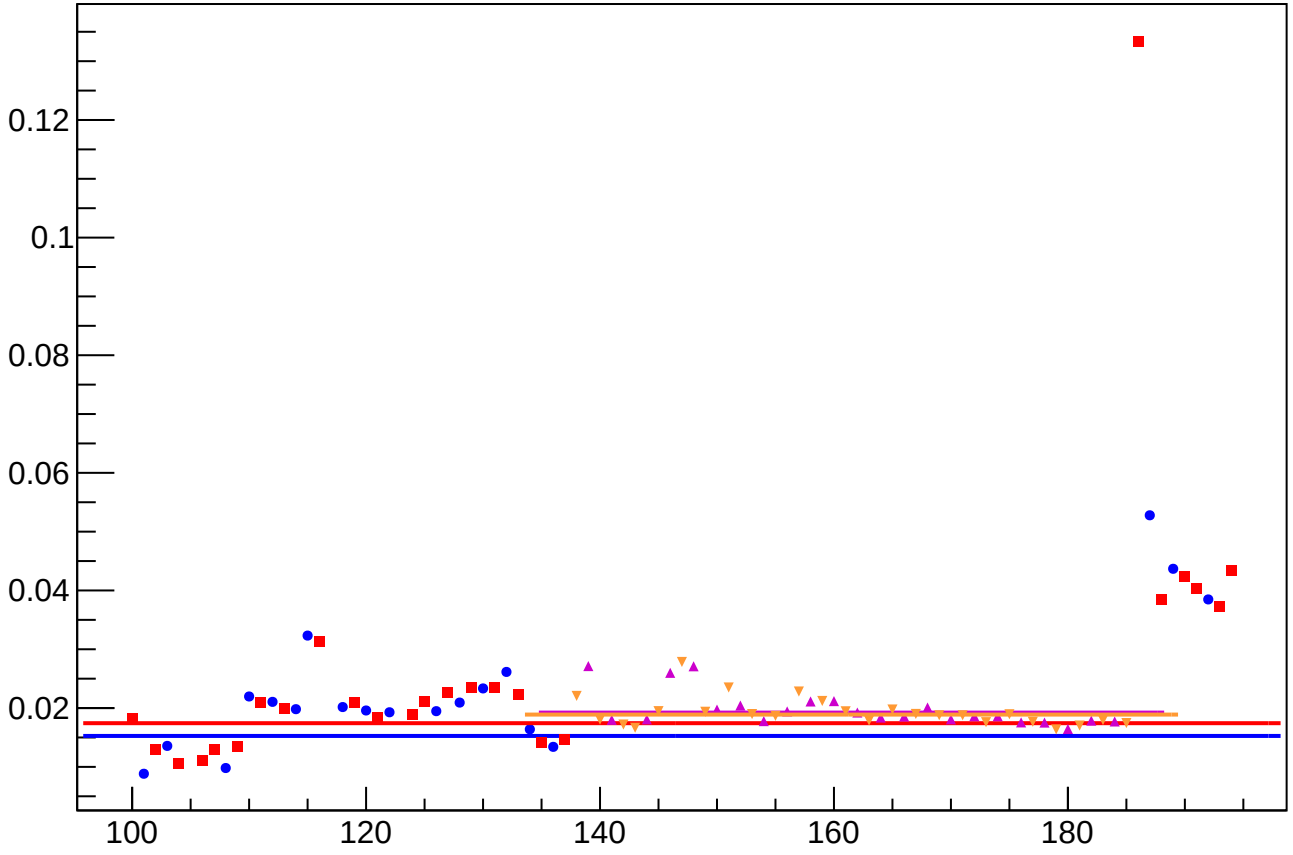
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.673+/-0.000 χ^2/NDF: 64354455759.5/43

All: 9.671+/-0.000 χ^2/NDF: 123304029249.5

- sign 9.668+/-0.000 χ^2/NDF: 58948708955.8/47

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: 3867192.8/24

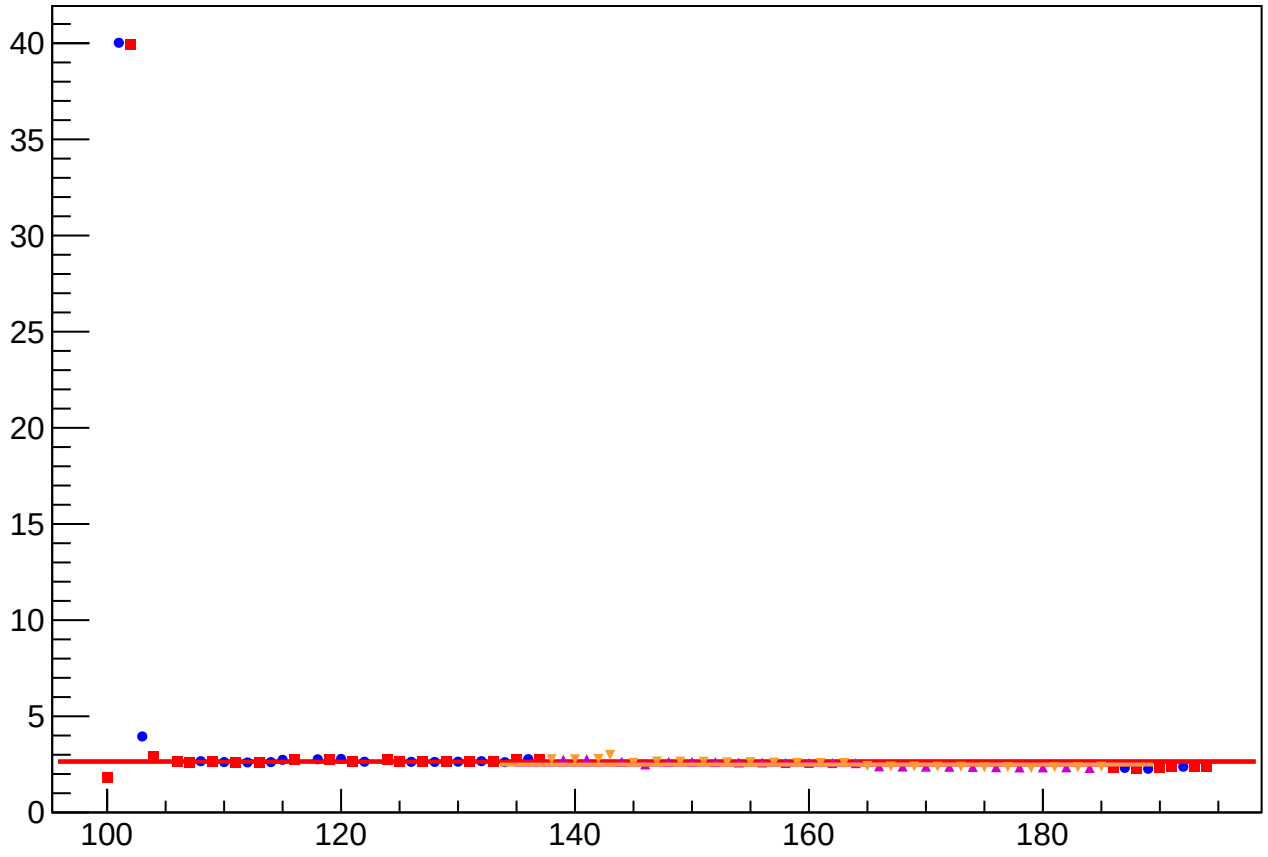
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.018+/-0.000 χ^2/NDF: 3765946.2/43

All: 0.018+/-0.000 χ^2/NDF: 8357399.0/91

- sign 0.019+/-0.000 χ^2/NDF: 4518612.8/47

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: 2.636+/-0.000 χ^2/NDF: 74311773063.6/24

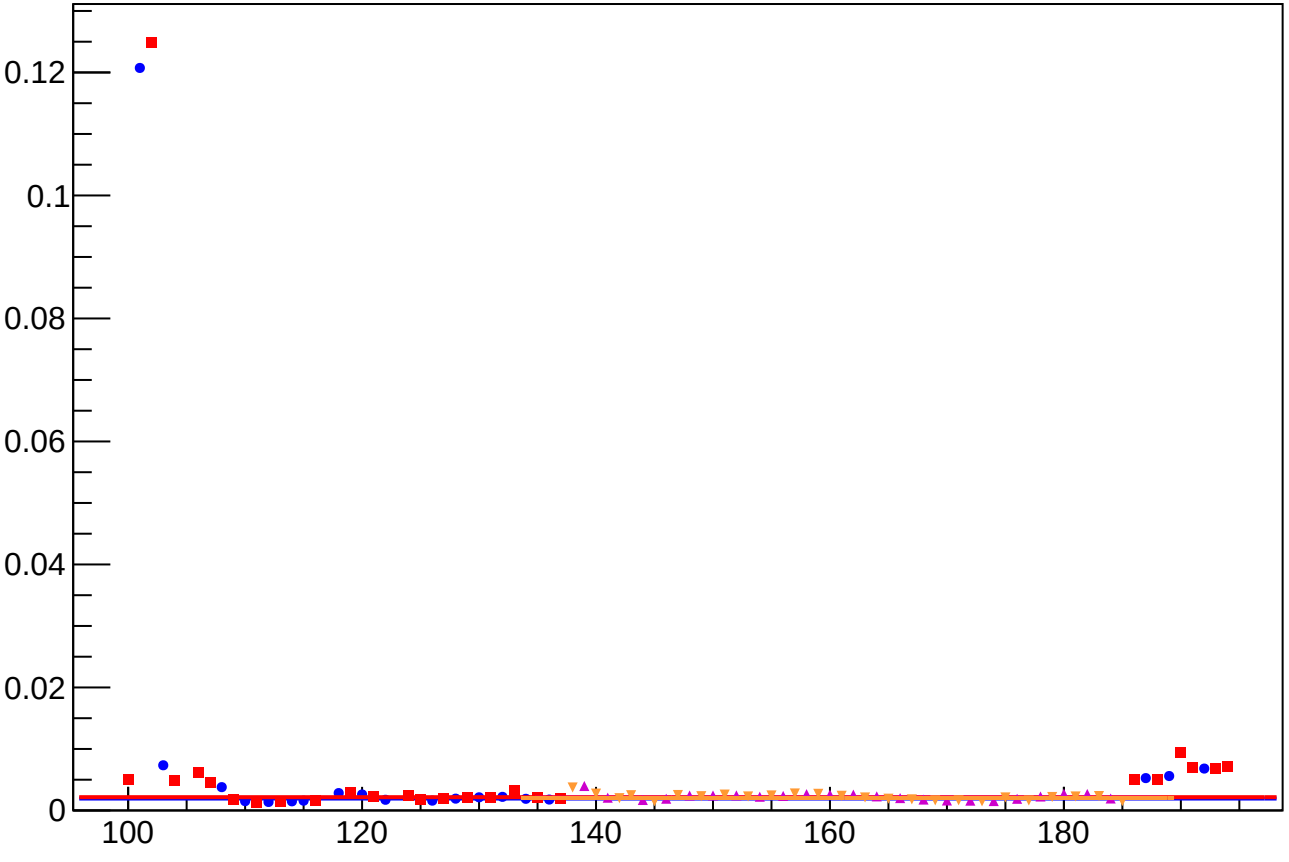
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.537+/-0.000 χ^2/NDF: 193187391800.1/43

All: 2.535+/-0.000 χ^2/NDF: 351473803117.5

- sign 2.533+/-0.000 χ^2/NDF: 158246792093.2/47

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: 5766753.6/24

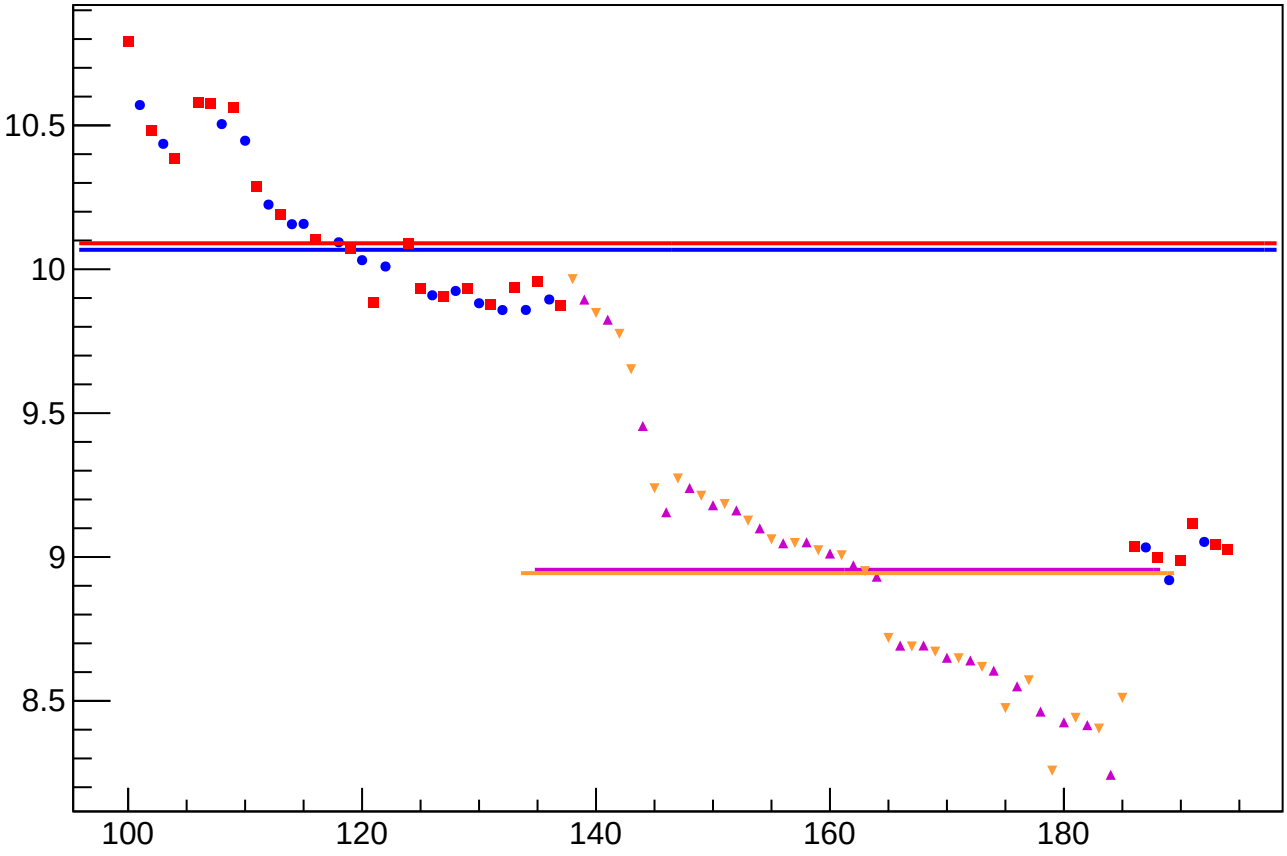
Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 4977915.5/43

All: 0.002+/-0.000 χ^2/NDF: 12210212.3/91

- sign 0.002+/-0.000 χ^2/NDF: 7187153.4/47

yield_sam8_mean vs Slug



Right In: 10.068+/-0.000 χ^2/NDF: 17161897661.0/18

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

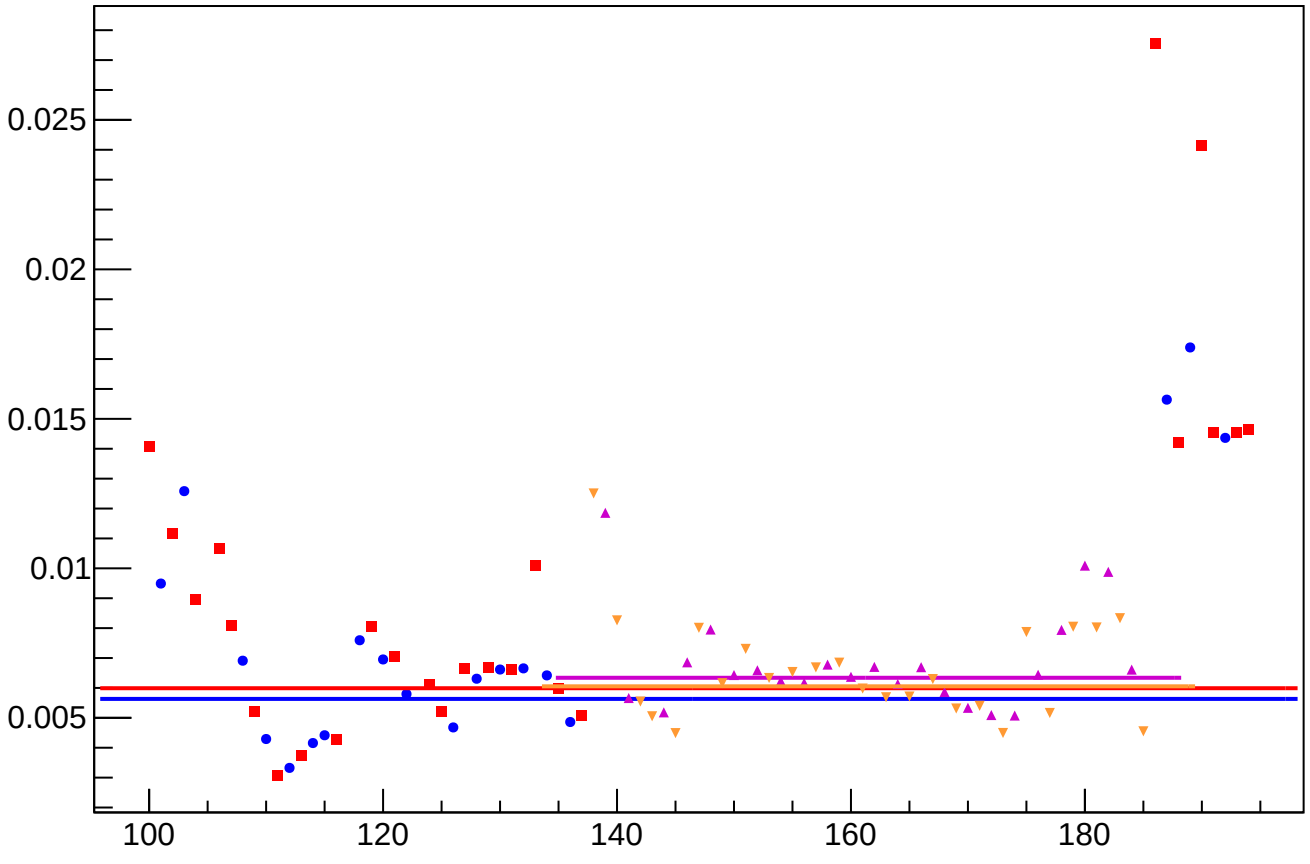
Right Out: 10.090+/-0.000 χ^2/NDF: 27036756839.5/24

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.309+/-0.000 χ^2/NDF: 253923928173.0/43

All: 9.340+/-0.000 χ^2/NDF: 505745971336.3

- sign 9.374+/-0.000 χ^2/NDF: 250566095633.0/47



Right In: 0.006+/-0.000 χ^2/NDF: 2632655.6/18

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 4801256.0/24

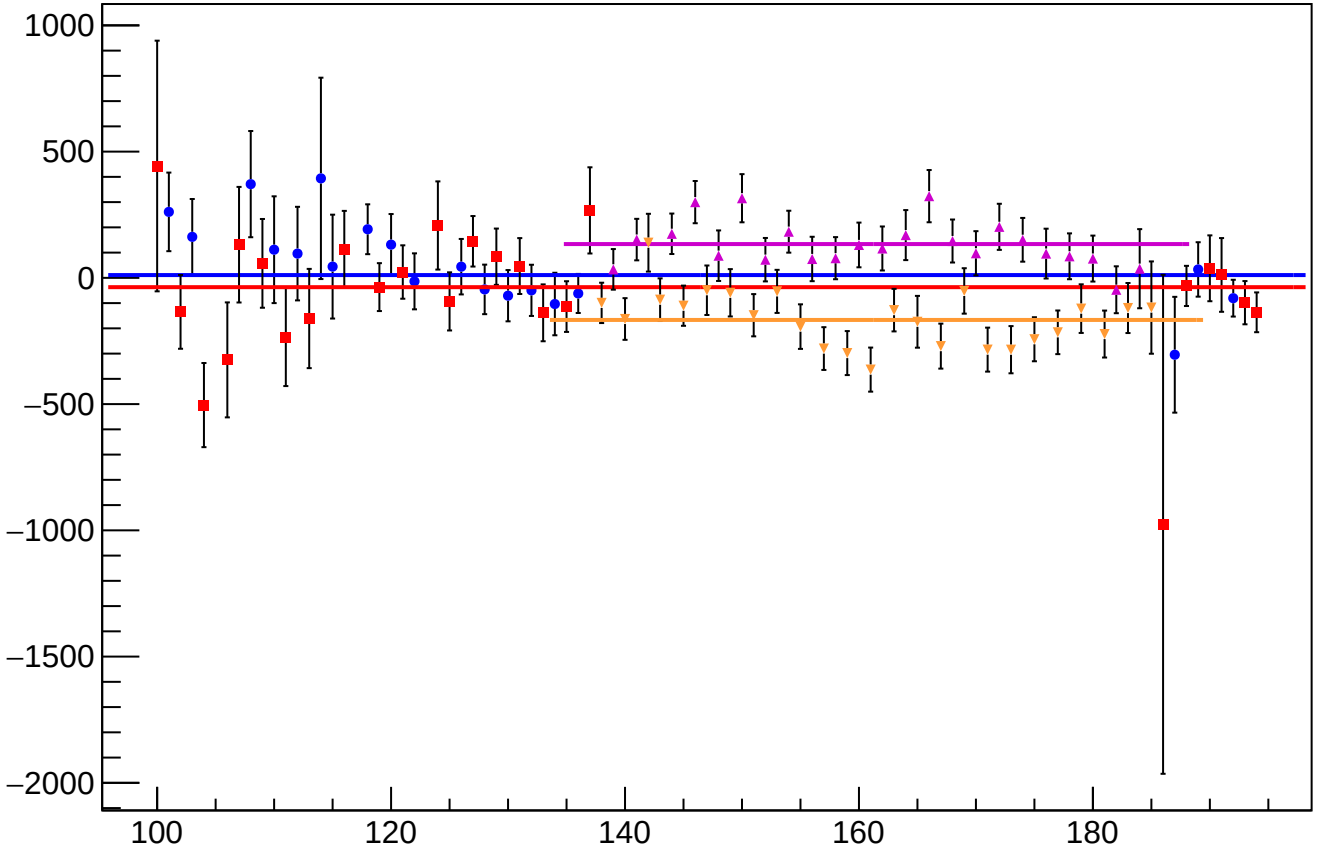
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 4141643.0/43

All: 0.006+/-0.000 χ^2/NDF: 10202096.0/91

- sign 0.006+/-0.000 χ^2/NDF: 6009147.8/47

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: -36.876+/-25.009 χ^2/NDF: 29.7/24

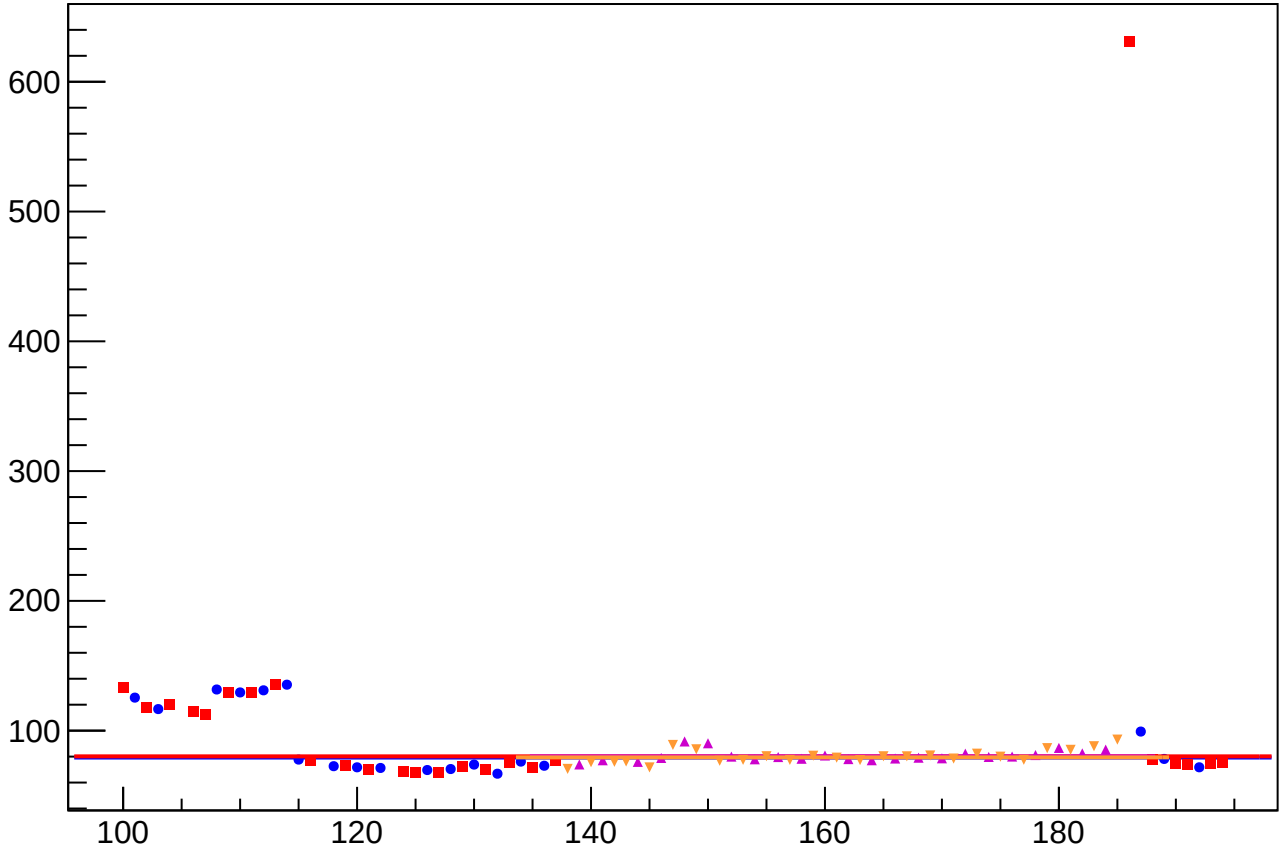
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -112.307+/-15.062 χ^2/NDF: 80.2/43

All: -19.611+/-10.630 χ^2/NDF: 235.9/91

- sign 72.389+/-15.005 χ^2/NDF: 80.2/47

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: 80.192+/-0.018 χ^2/NDF: 1583458.5/24

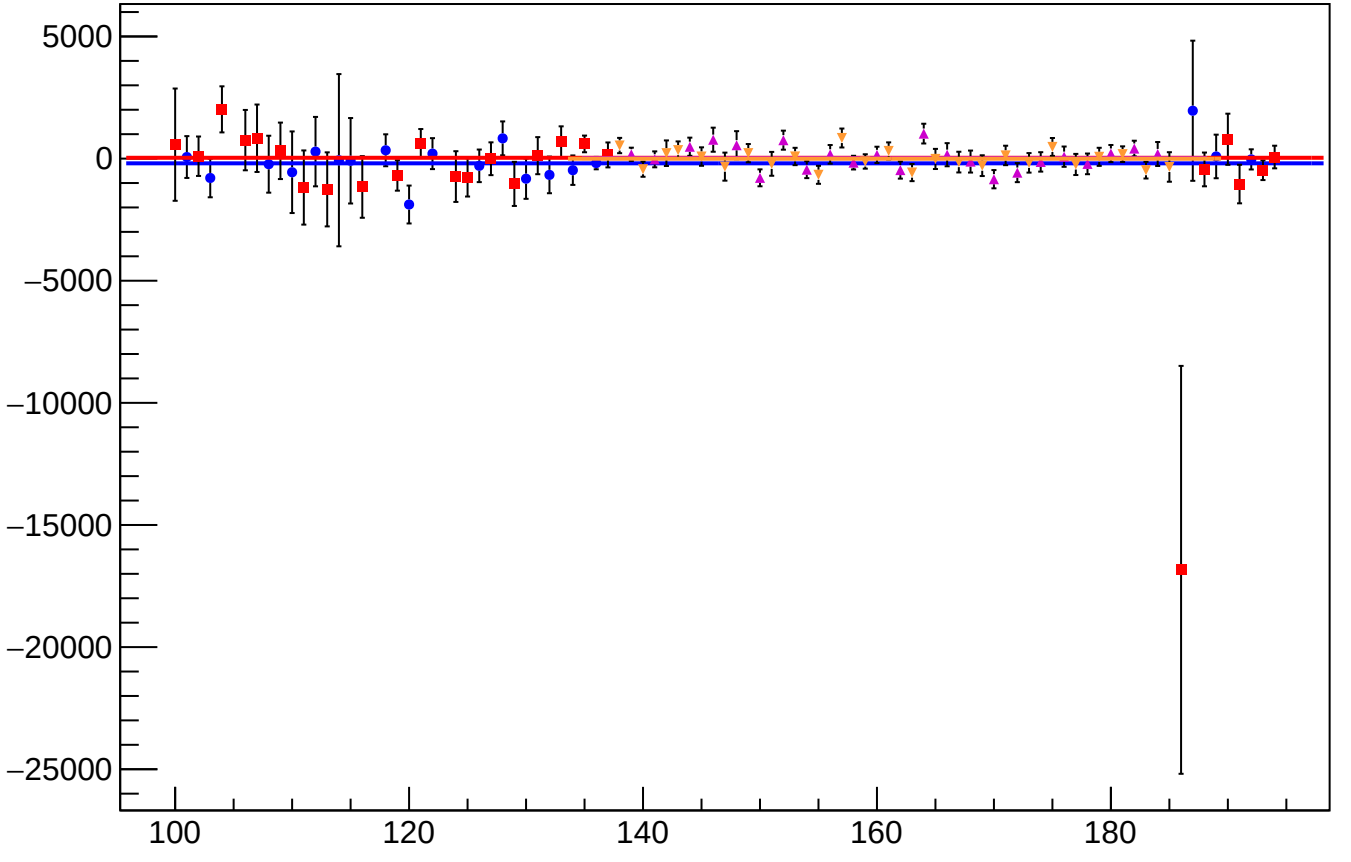
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.372+/-0.011 χ^2/NDF: 1013997.7/43

All: 79.773+/-0.008 χ^2/NDF: 2691758.2/91

- sign 80.172+/-0.011 χ^2/NDF: 1674930.1/47

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: 33.487+/-141.574 χ^2/NDF: 25.3/24

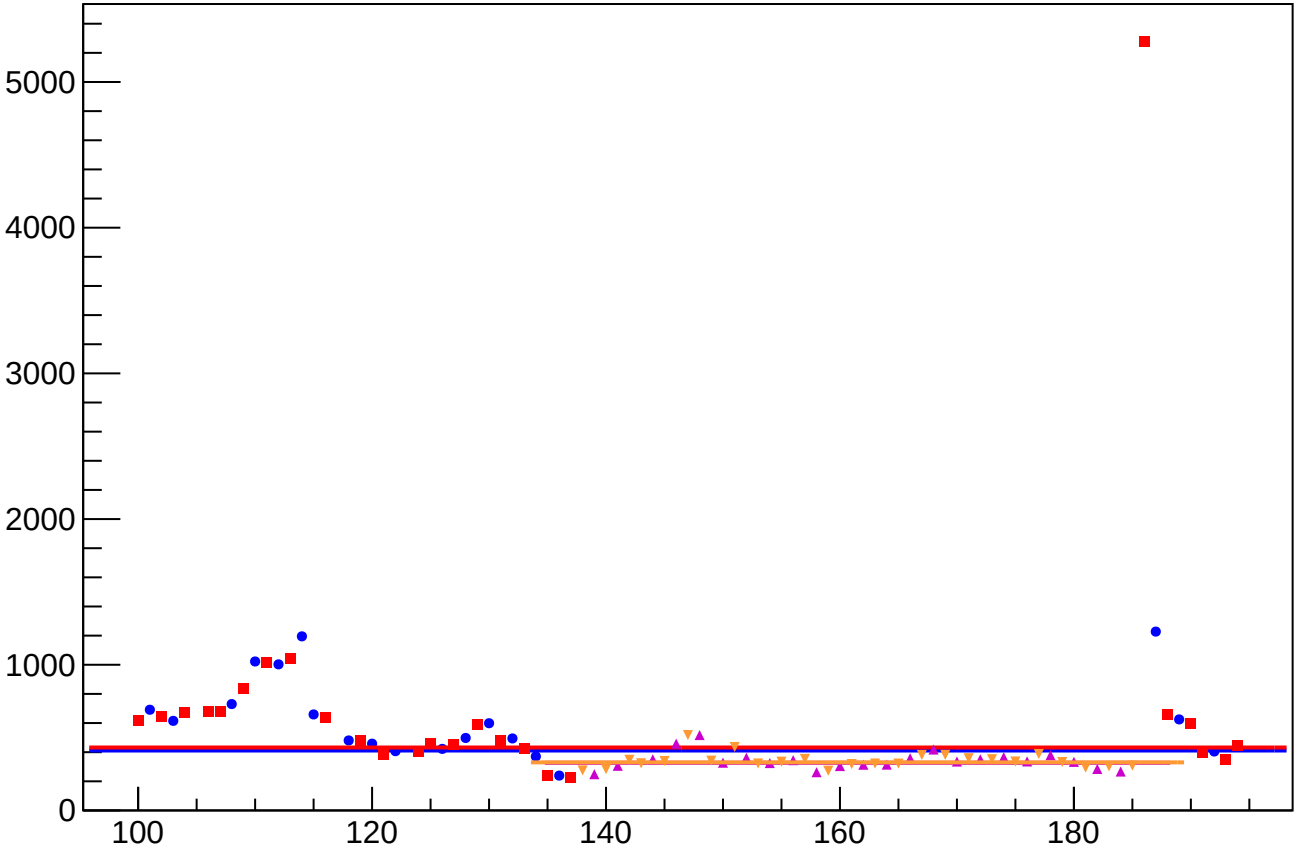
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

\+ sign -42.277+/-67.684 χ^2/NDF: 36.2/43

All: -10.007+/-47.974 χ^2/NDF: 96.9/91

\- sign 22.572+/-68.008 χ^2/NDF: 60.3/47

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: 432.067+/-0.100 χ^2/NDF: 3399864.0/24

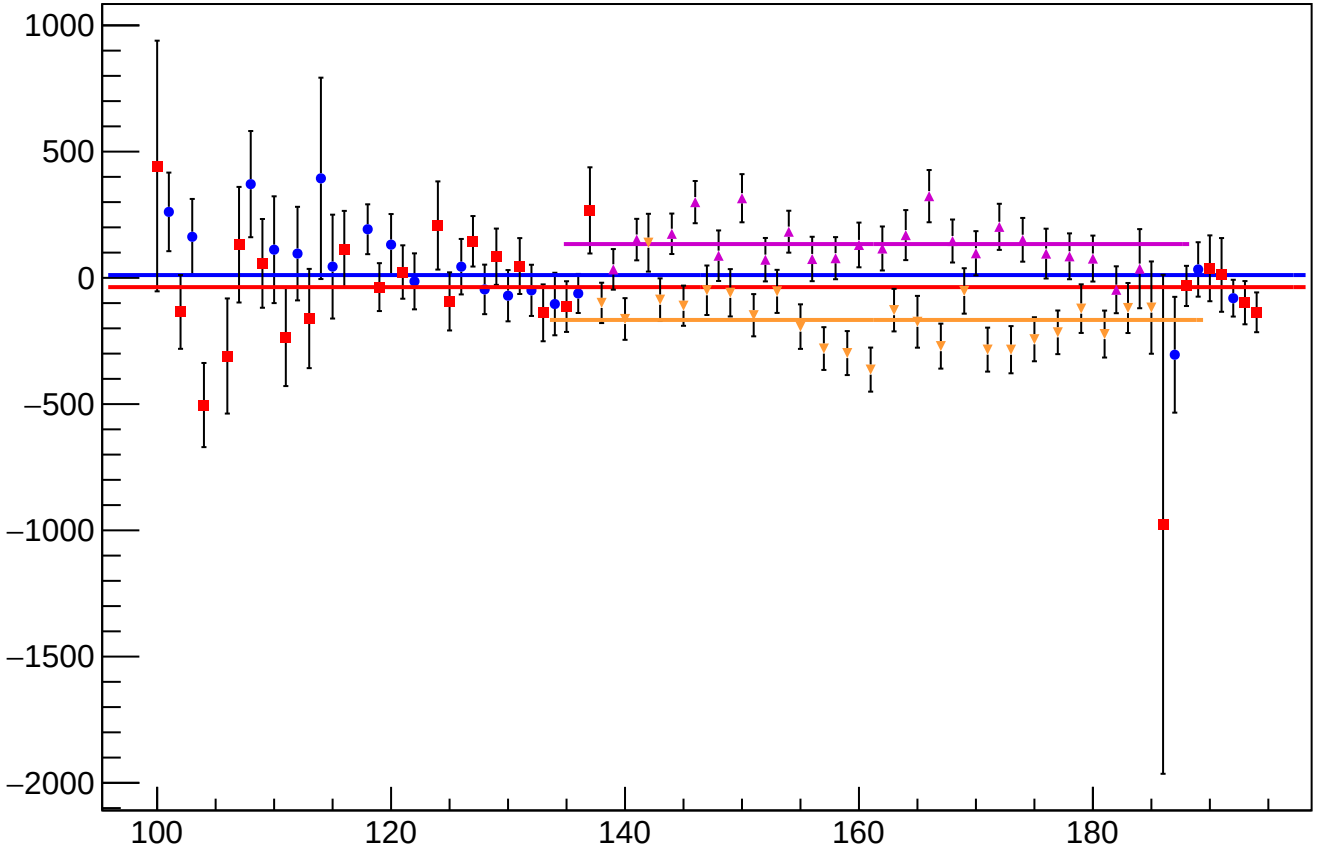
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 346.587+/-0.048 χ^2/NDF: 3772615.9/43

All: 348.891+/-0.034 χ^2/NDF: 8924394.3/91

- sign 351.217+/-0.048 χ^2/NDF: 5147122.5/47

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: -36.683+/-25.010 χ^2/NDF: 29.5/24

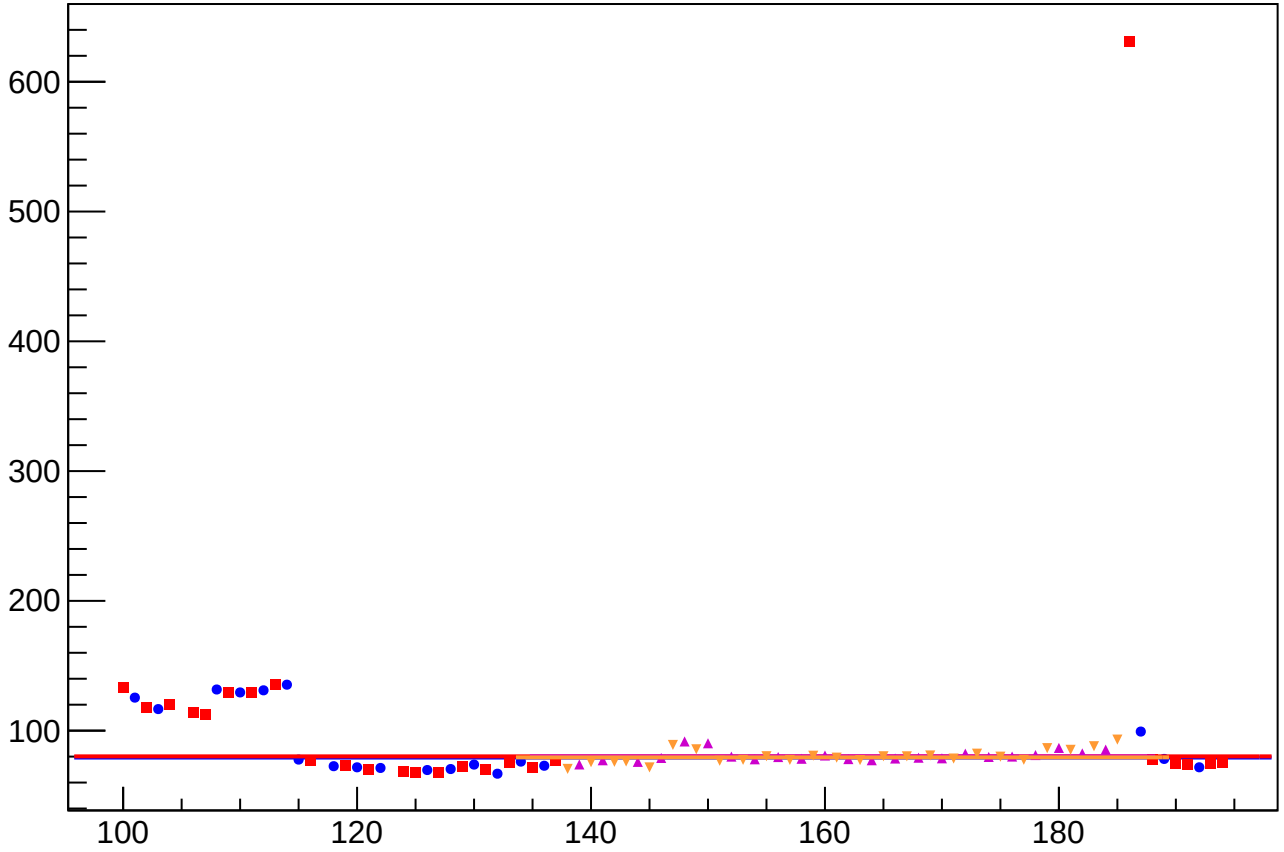
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -112.303+/-15.062 χ^2/NDF: 80.2/43

All: -19.572+/-10.630 χ^2/NDF: 235.8/91

- sign 72.464+/-15.005 χ^2/NDF: 80.0/47

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: 80.182+/-0.018 χ^2/NDF: 1581474.7/24

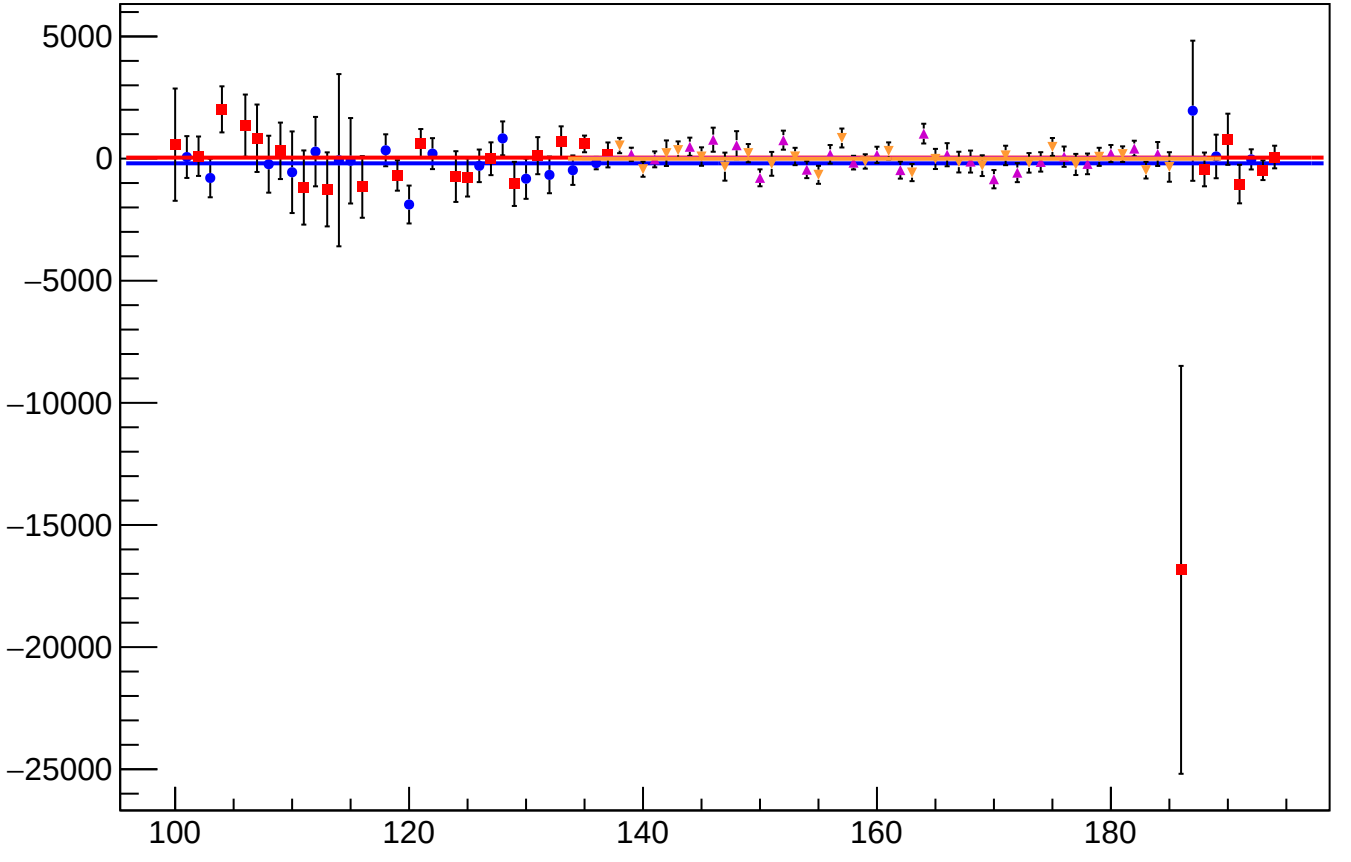
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.372+/-0.011 χ^2/NDF: 1013997.9/43

All: 79.771+/-0.008 χ^2/NDF: 2689748.6/91

- sign 80.168+/-0.011 χ^2/NDF: 1672945.3/47

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: 40.236+/-141.630 χ^2/NDF: 26.0/24

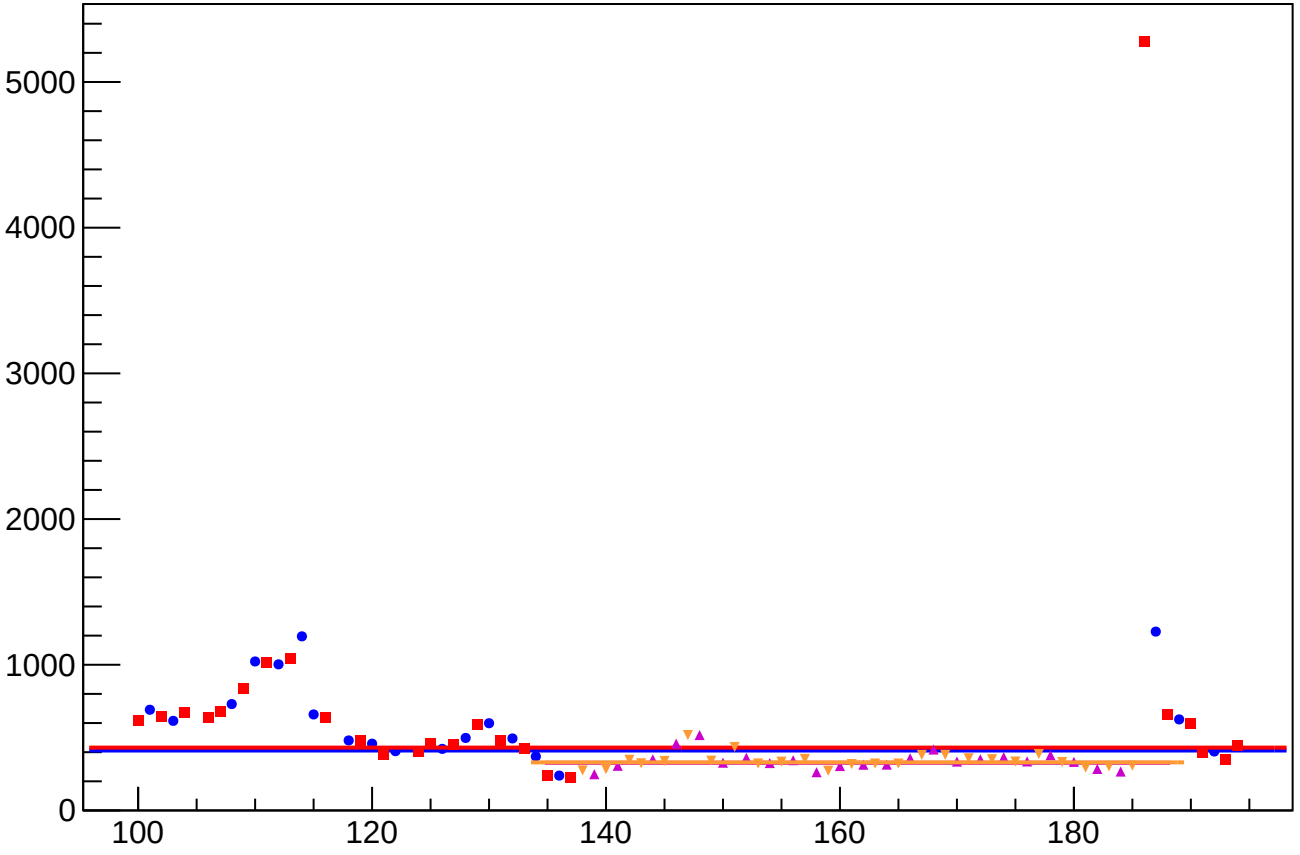
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

\+ sign -42.276+/-67.684 χ^2/NDF: 36.2/43

All: -9.234+/-47.976 χ^2/NDF: 97.7/91

\- sign 24.132+/-68.014 χ^2/NDF: 61.1/47

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: 431.387+/-0.100 χ^2/NDF: 3372947.1/24

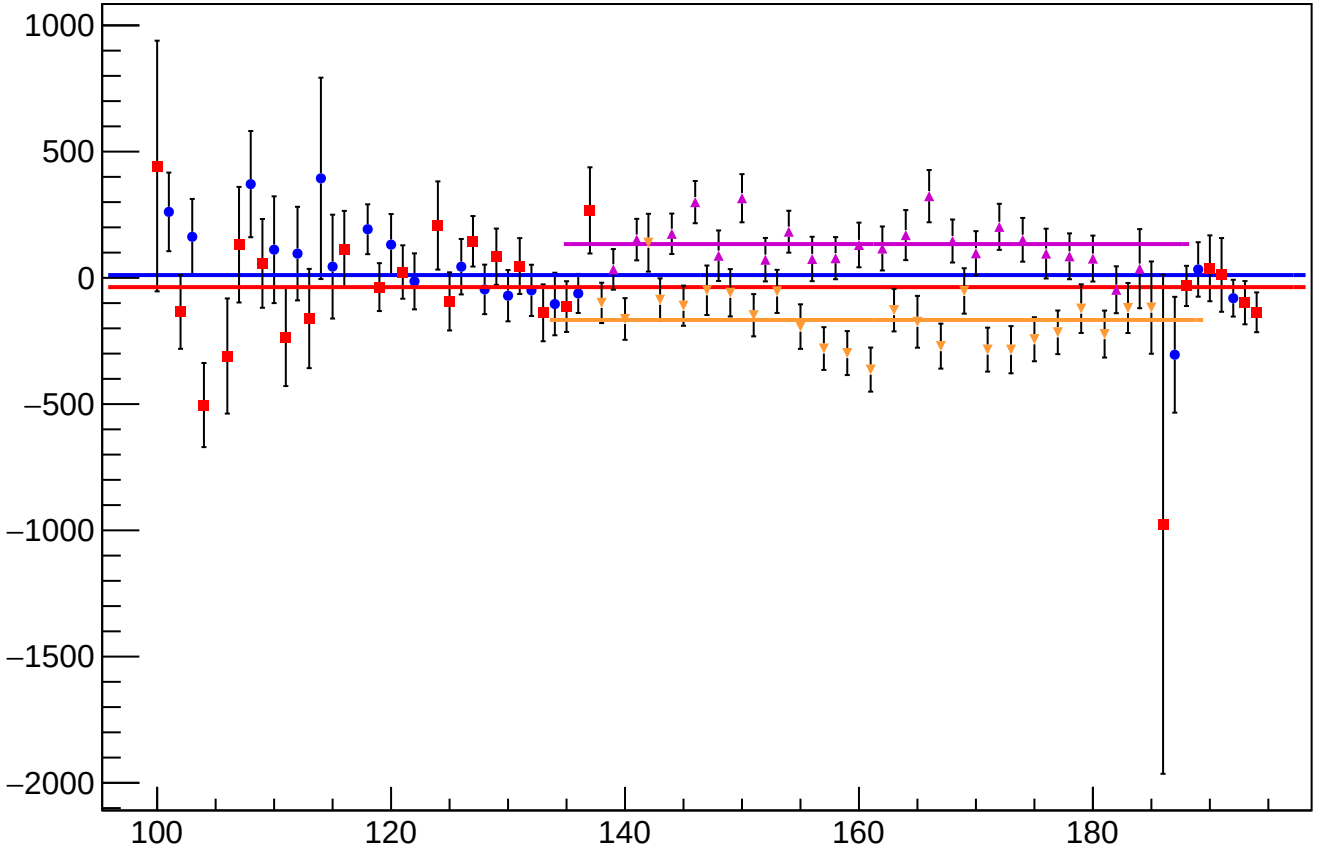
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 346.587+/-0.048 χ^2/NDF: 3772622.1/43

All: 348.805+/-0.034 χ^2/NDF: 8885707.3/91

- sign 351.045+/-0.048 χ^2/NDF: 5108768.4/47

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: -36.683+/-25.010 χ^2/NDF: 29.5/24

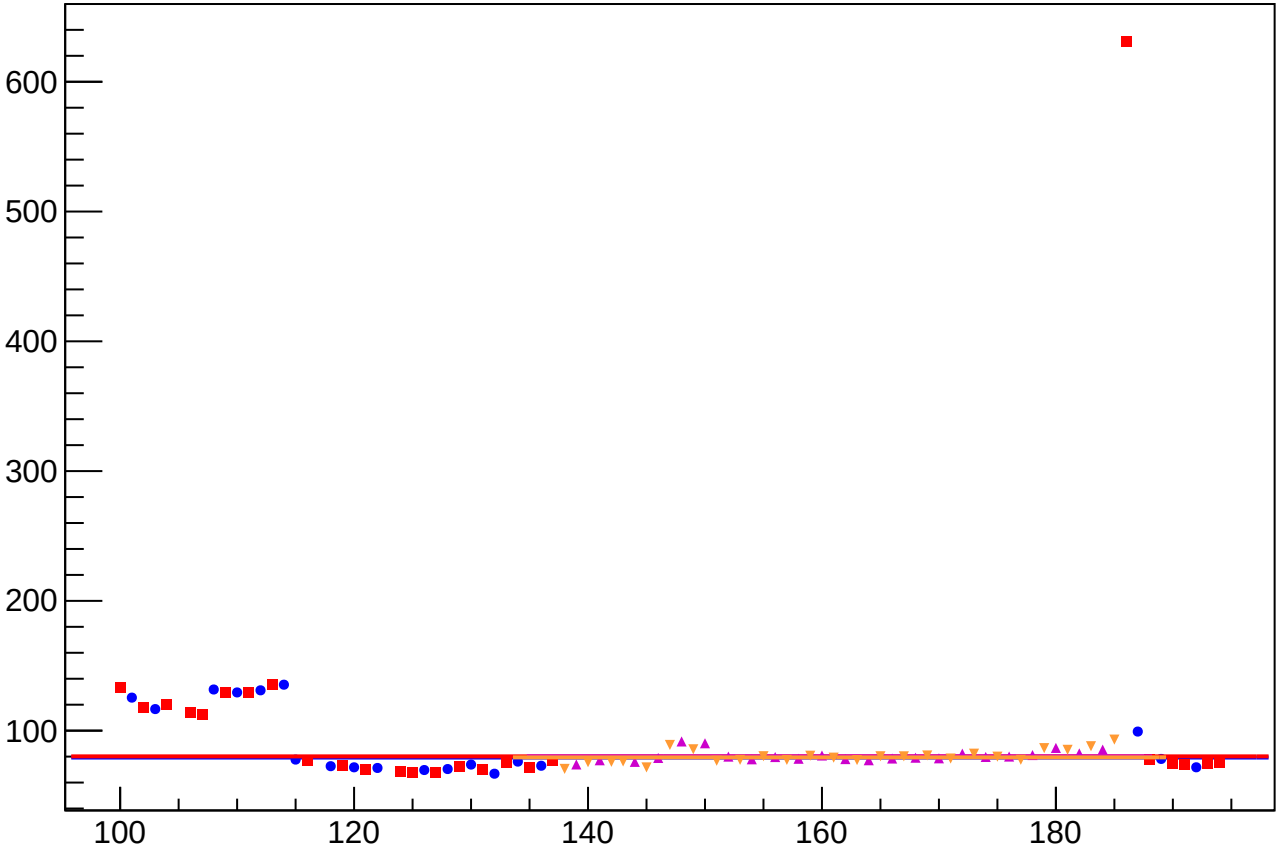
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -112.303+/-15.062 χ^2/NDF: 80.2/43

All: -19.572+/-10.630 χ^2/NDF: 235.8/91

- sign 72.464+/-15.005 χ^2/NDF: 80.0/47

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: 80.182+/-0.018 χ^2/NDF: 1581474.7/24

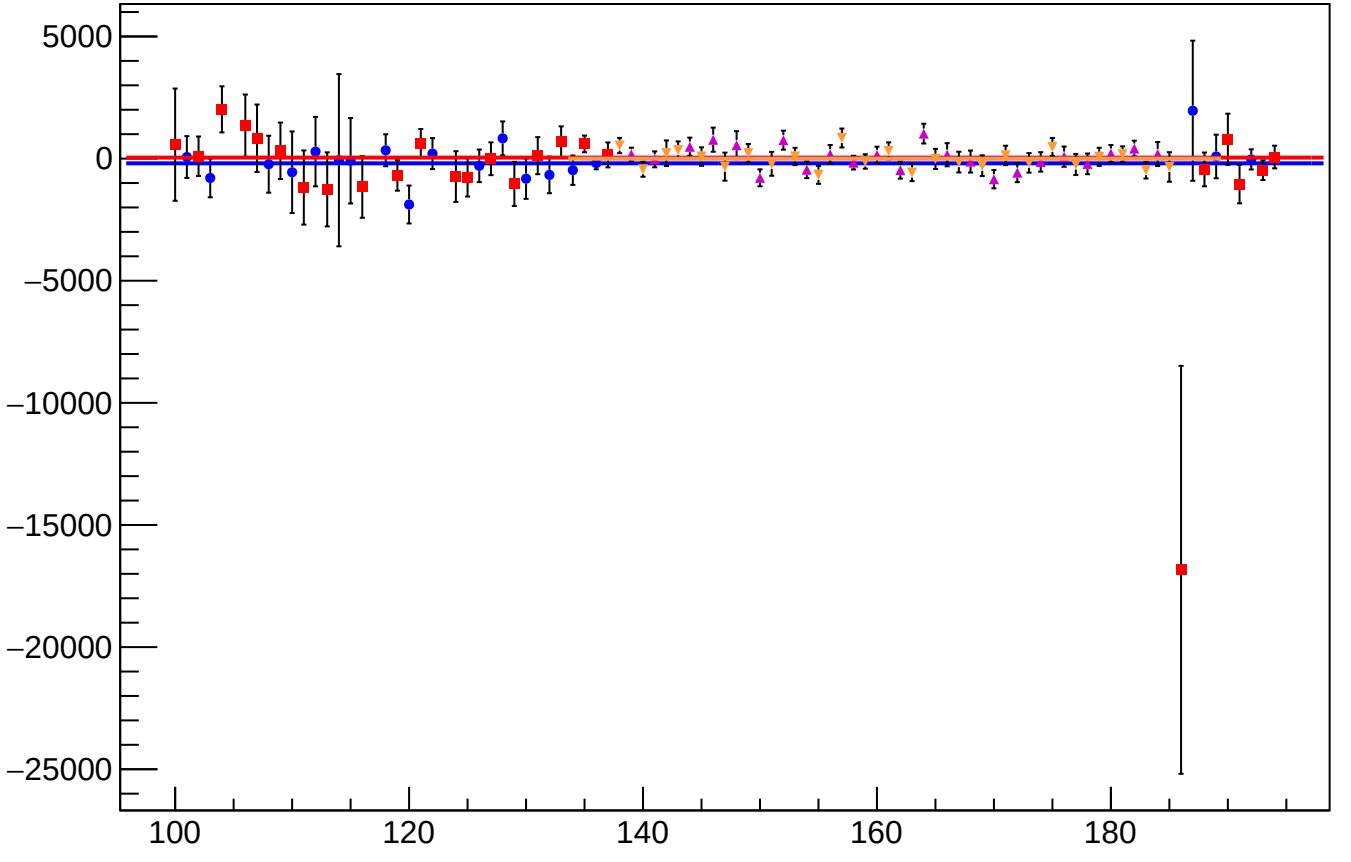
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.372+/-0.011 χ^2/NDF: 1013997.9/43

All: 79.771+/-0.008 χ^2/NDF: 2689748.6/91

- sign 80.168+/-0.011 χ^2/NDF: 1672945.3/47

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -193.694+/-149.861 χ^2/NDF: 10.8/18

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 40.236+/-141.630 χ^2/NDF: 26.0/24

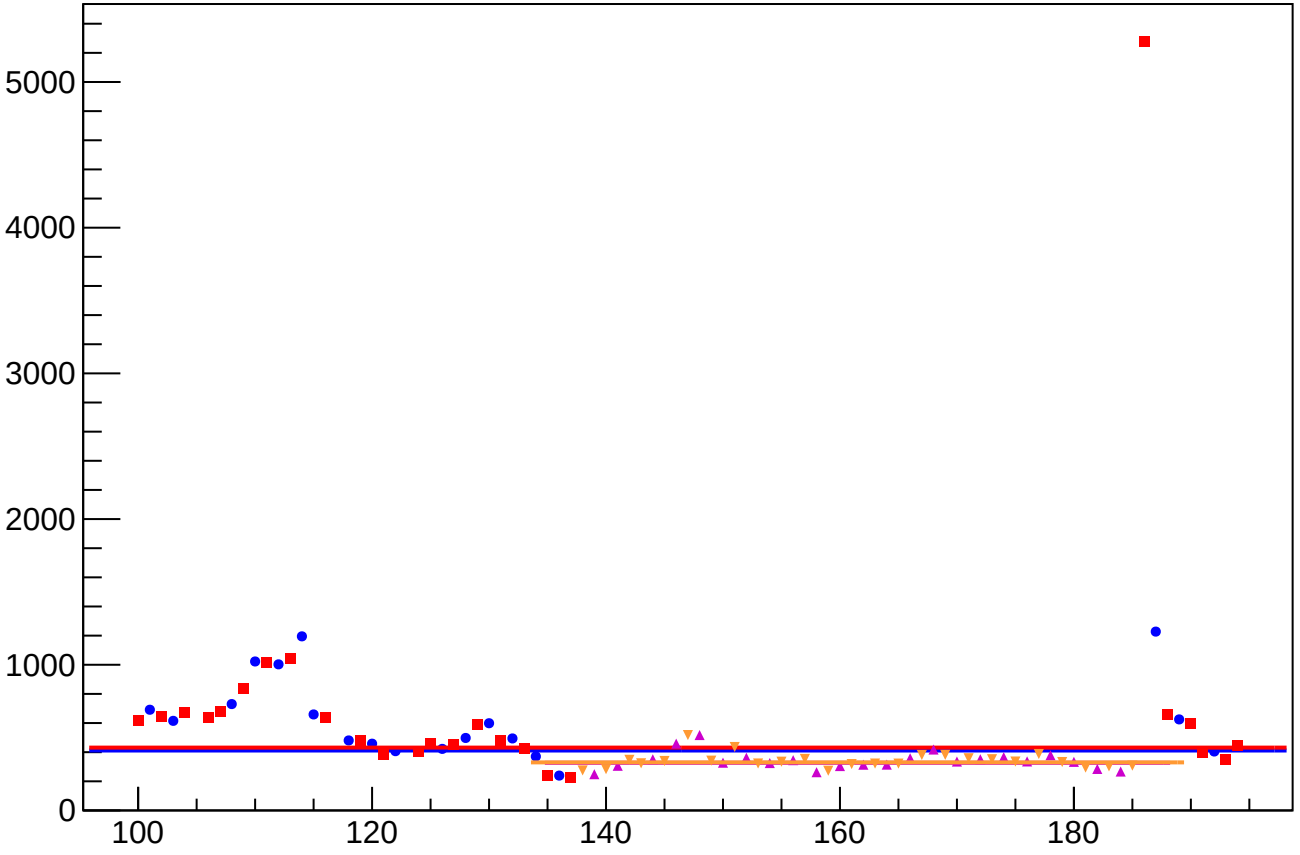
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -42.276+/-67.684 χ^2/NDF: 36.2/43

All: -9.234+/-47.976 χ^2/NDF: 97.7/91

- sign 24.132+/-68.014 χ^2/NDF: 61.1/47

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: 431.387+/-0.100 χ^2/NDF: 3372947.1/24

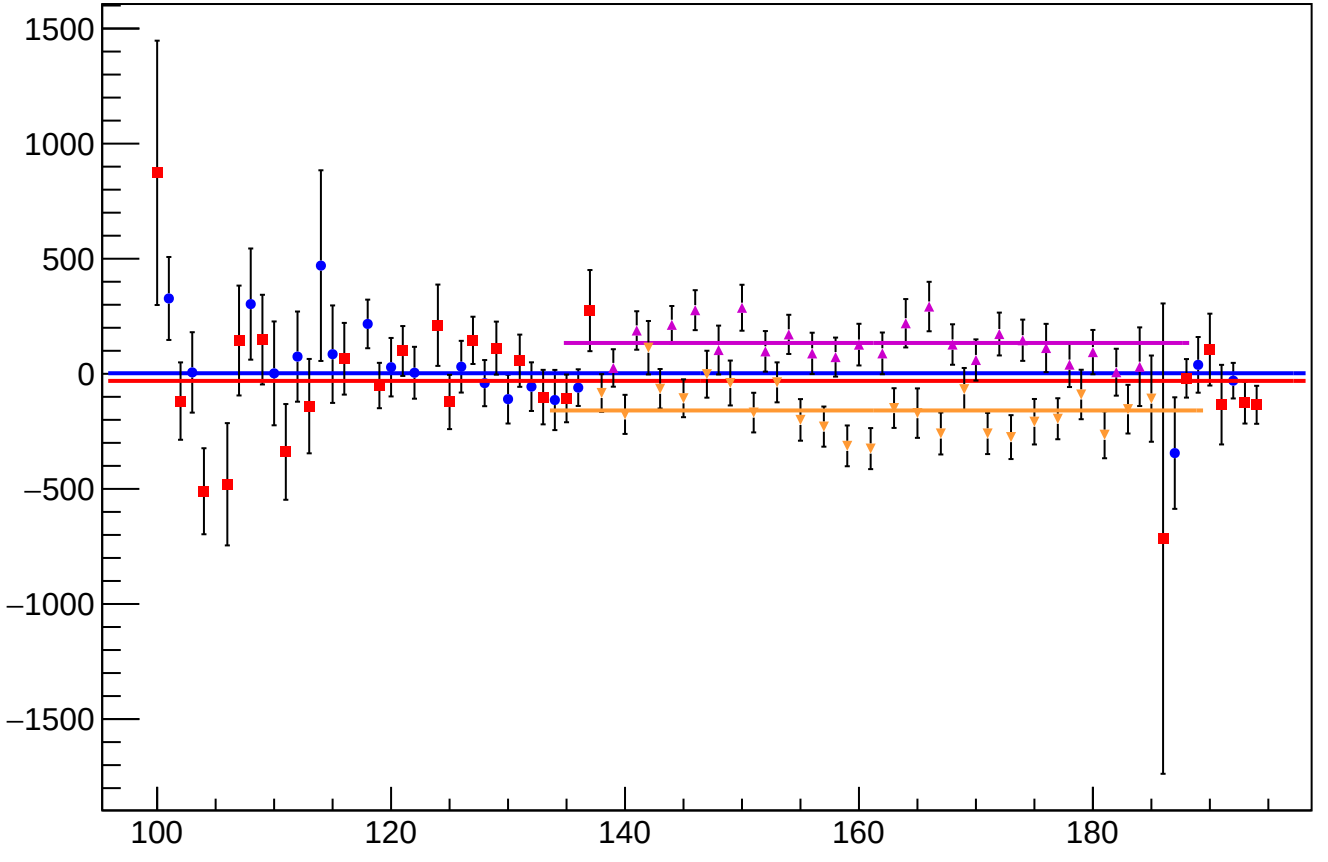
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

\+ sign 346.587+/-0.048 χ^2/NDF: 3772622.1/43

All: 348.805+/-0.034 χ^2/NDF: 8885707.3/91

\- sign 351.045+/-0.048 χ^2/NDF: 5108768.4/47

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: -30.796+/-26.381 χ^2/NDF: 33.6/24

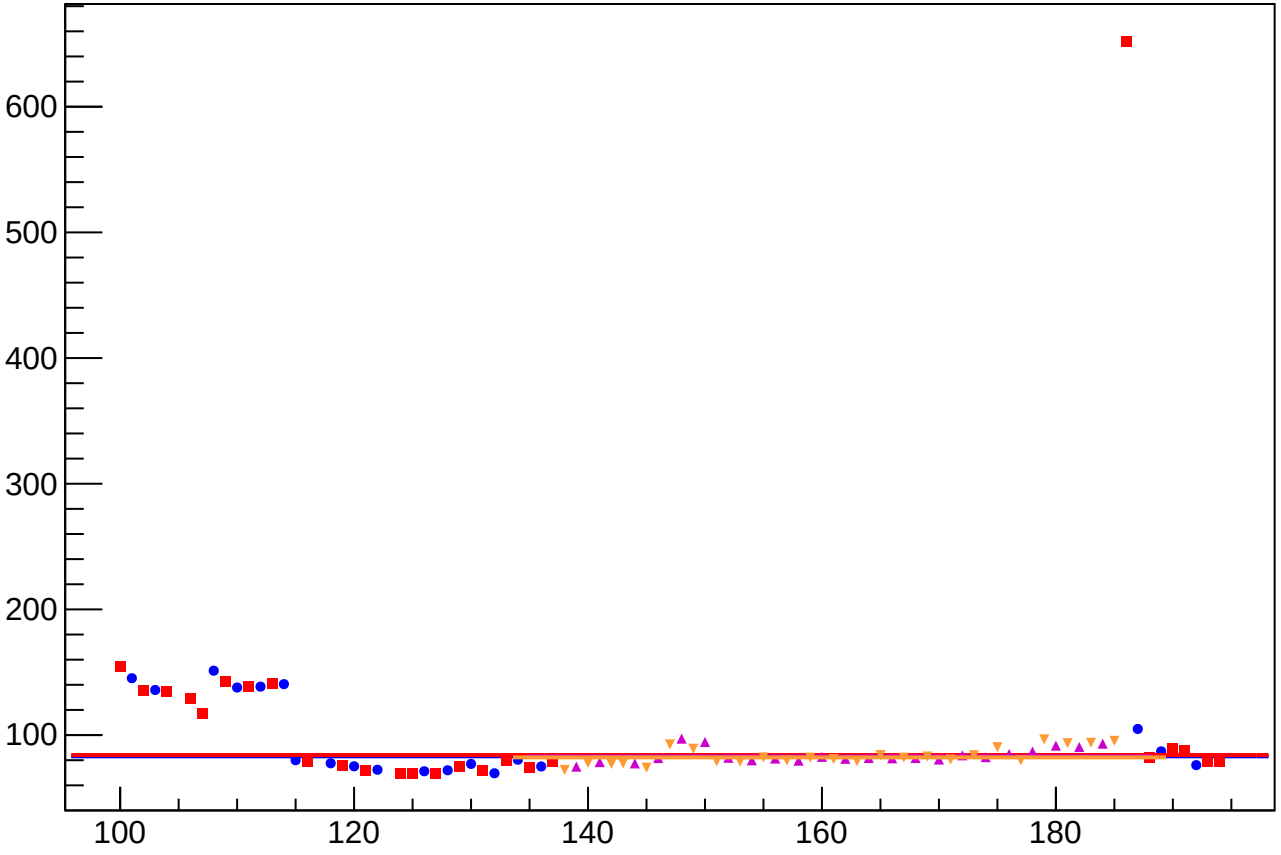
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -110.935+/-15.702 χ^2/NDF: 66.3/43

All: -17.157+/-11.085 χ^2/NDF: 212.7/91

- sign 76.010+/-15.650 χ^2/NDF: 75.4/47

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: 84.119+/-0.019 χ^2/NDF: 1757855.1/24

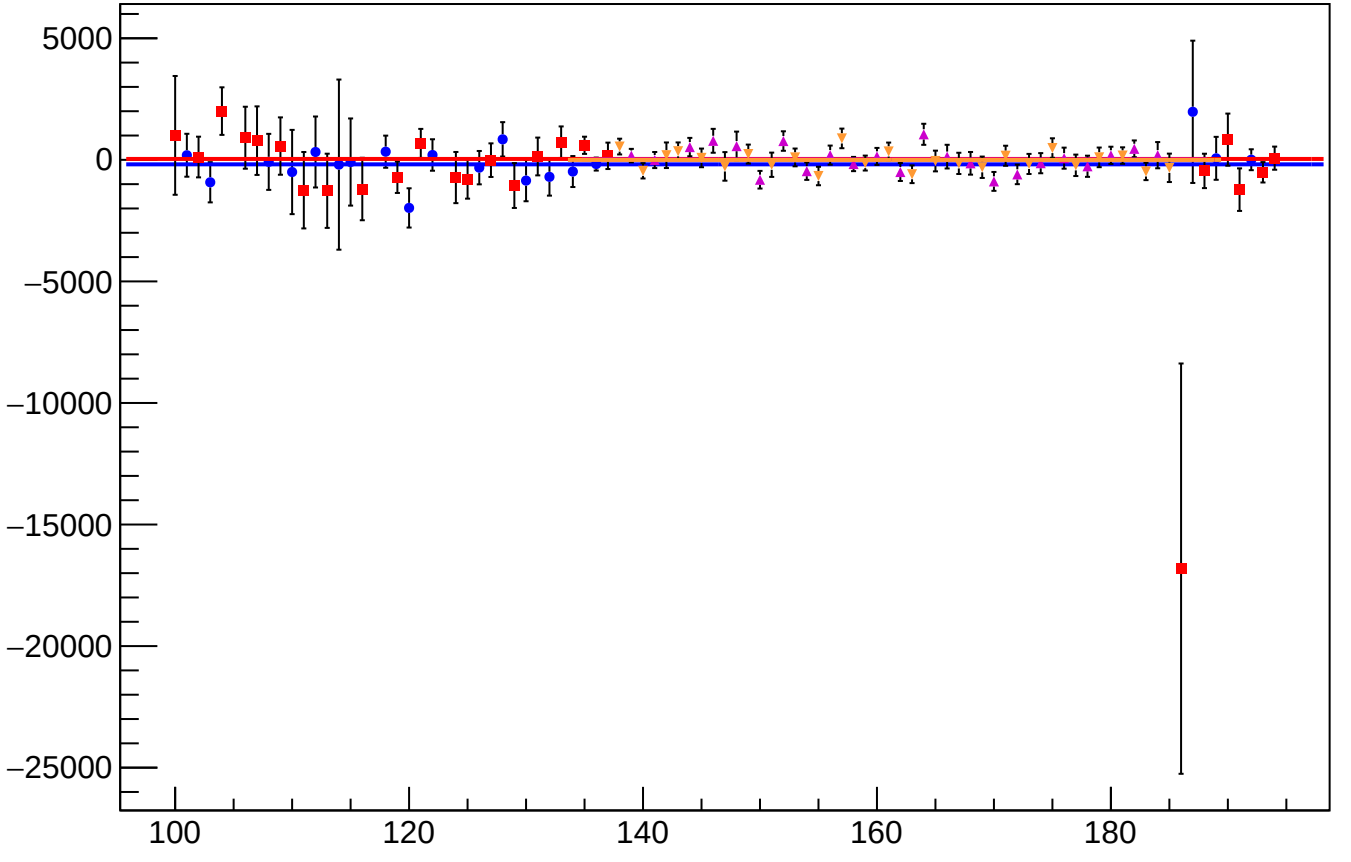
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 82.502+/-0.011 χ^2/NDF: 1287910.8/43

All: 82.947+/-0.008 χ^2/NDF: 3196936.0/91

- sign 83.389+/-0.011 χ^2/NDF: 1905823.8/47

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: 37.154+/-146.577 χ^2/NDF: 25.5/24

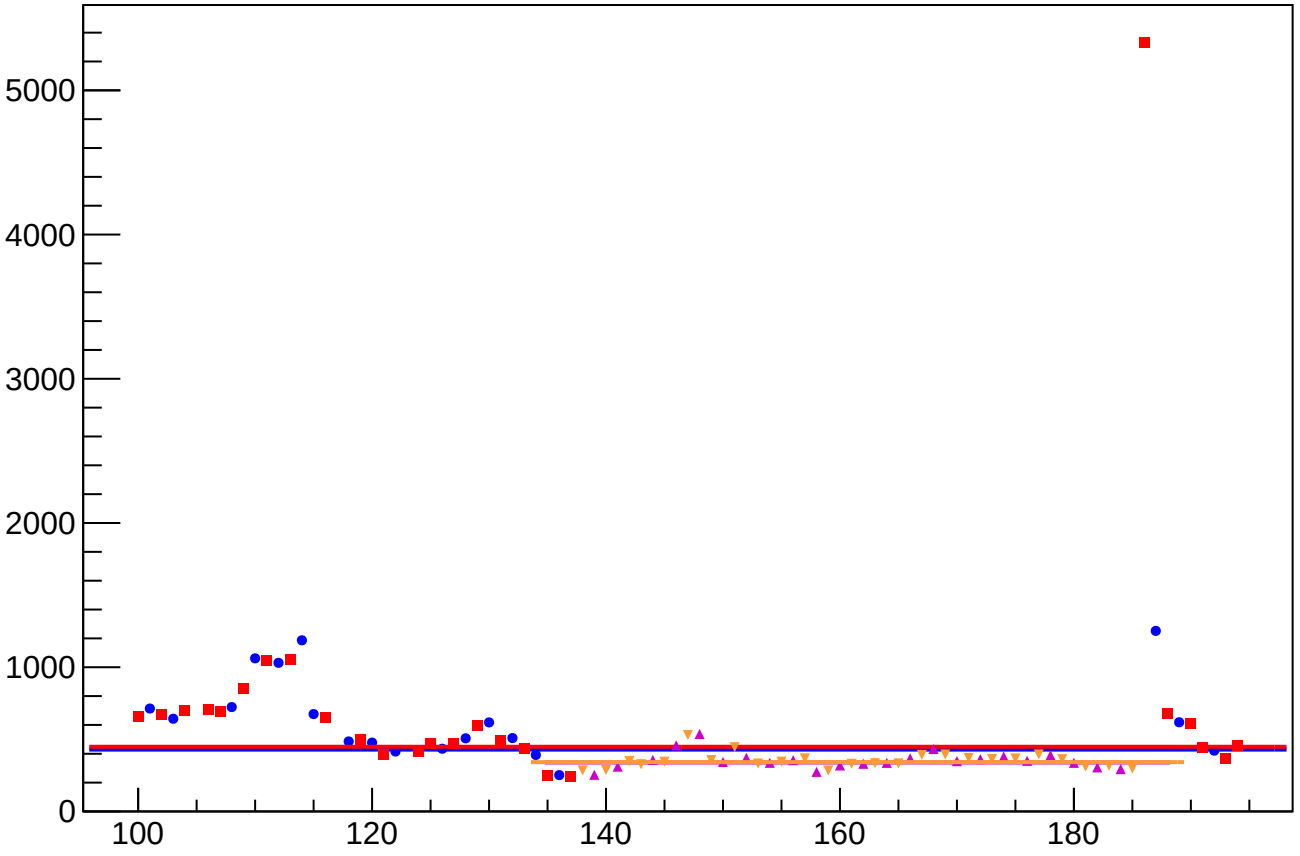
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

\+ sign -40.135+/-70.135 χ^2/NDF: 35.9/43

All: -9.580+/-49.721 χ^2/NDF: 96.7/91

\- sign 21.292+/-70.498 χ^2/NDF: 60.5/47

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: 448.549+/-0.104 χ^2/NDF: 3312461.9/24

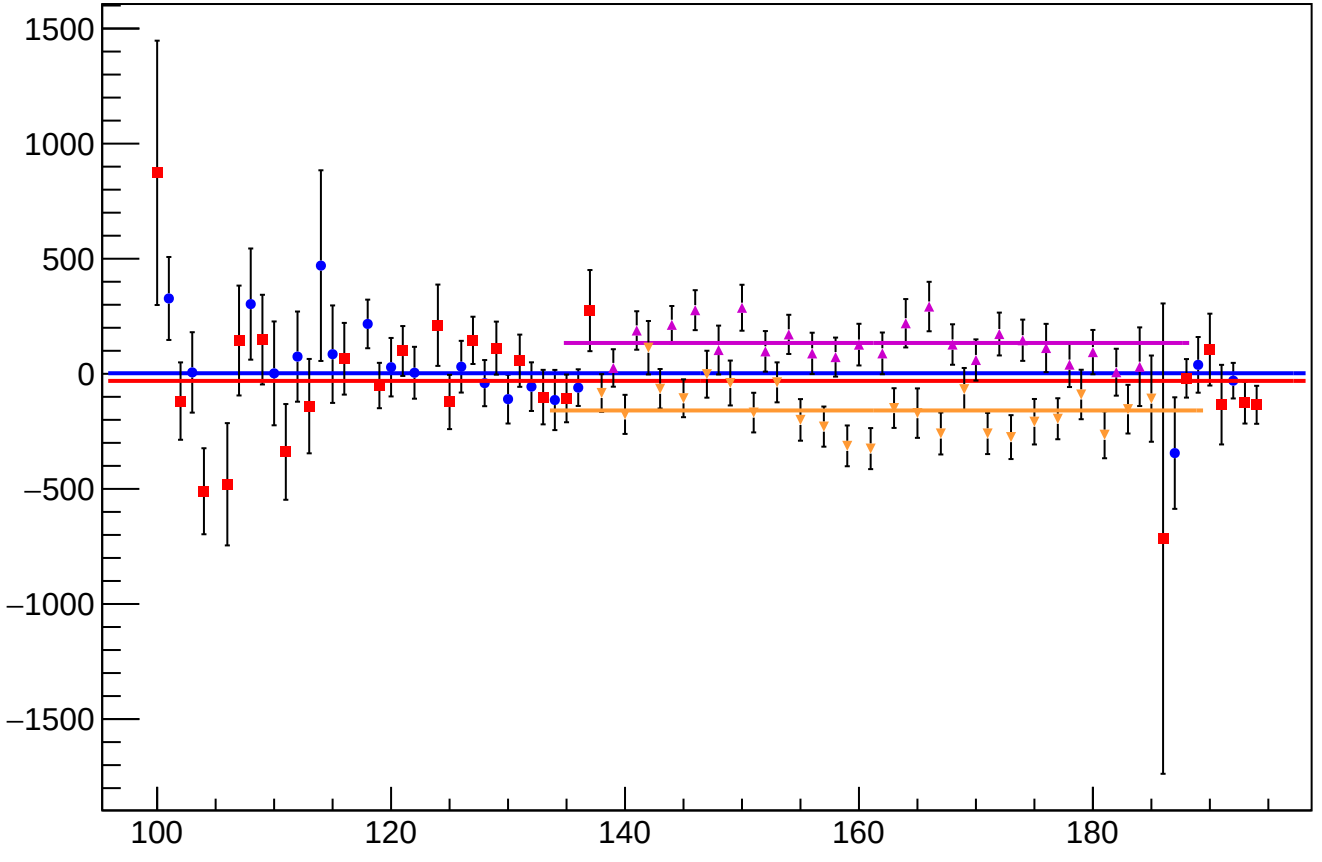
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 359.626+/-0.050 χ^2/NDF: 3663912.5/43

All: 362.136+/-0.035 χ^2/NDF: 8680233.5/91

- sign 364.672+/-0.050 χ^2/NDF: 5011171.7/47

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: -30.796+/-26.381 χ^2/NDF: 33.6/24

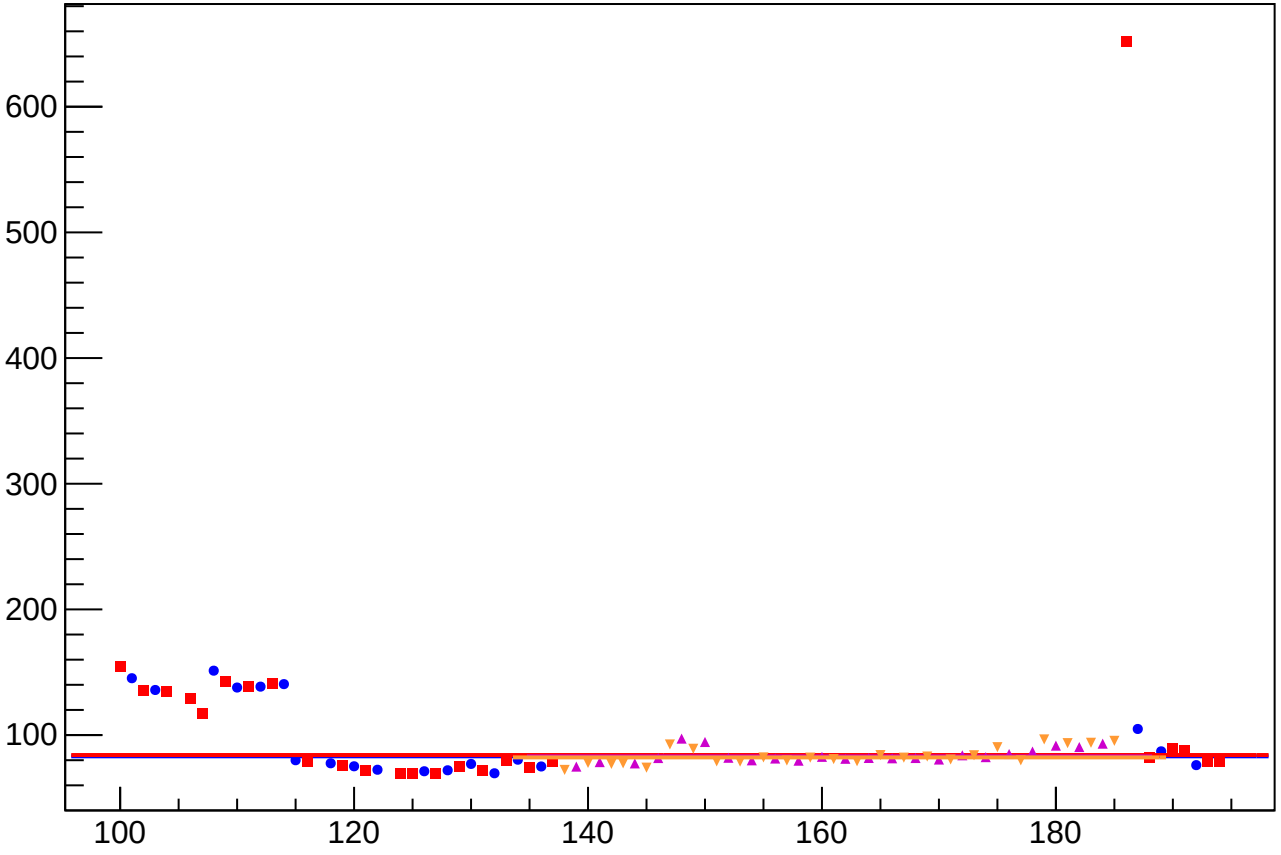
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -110.935+/-15.702 χ^2/NDF: 66.3/43

All: -17.157+/-11.085 χ^2/NDF: 212.7/91

- sign 76.010+/-15.650 χ^2/NDF: 75.4/47

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: 84.119+/-0.019 χ^2/NDF: 1757854.7/24

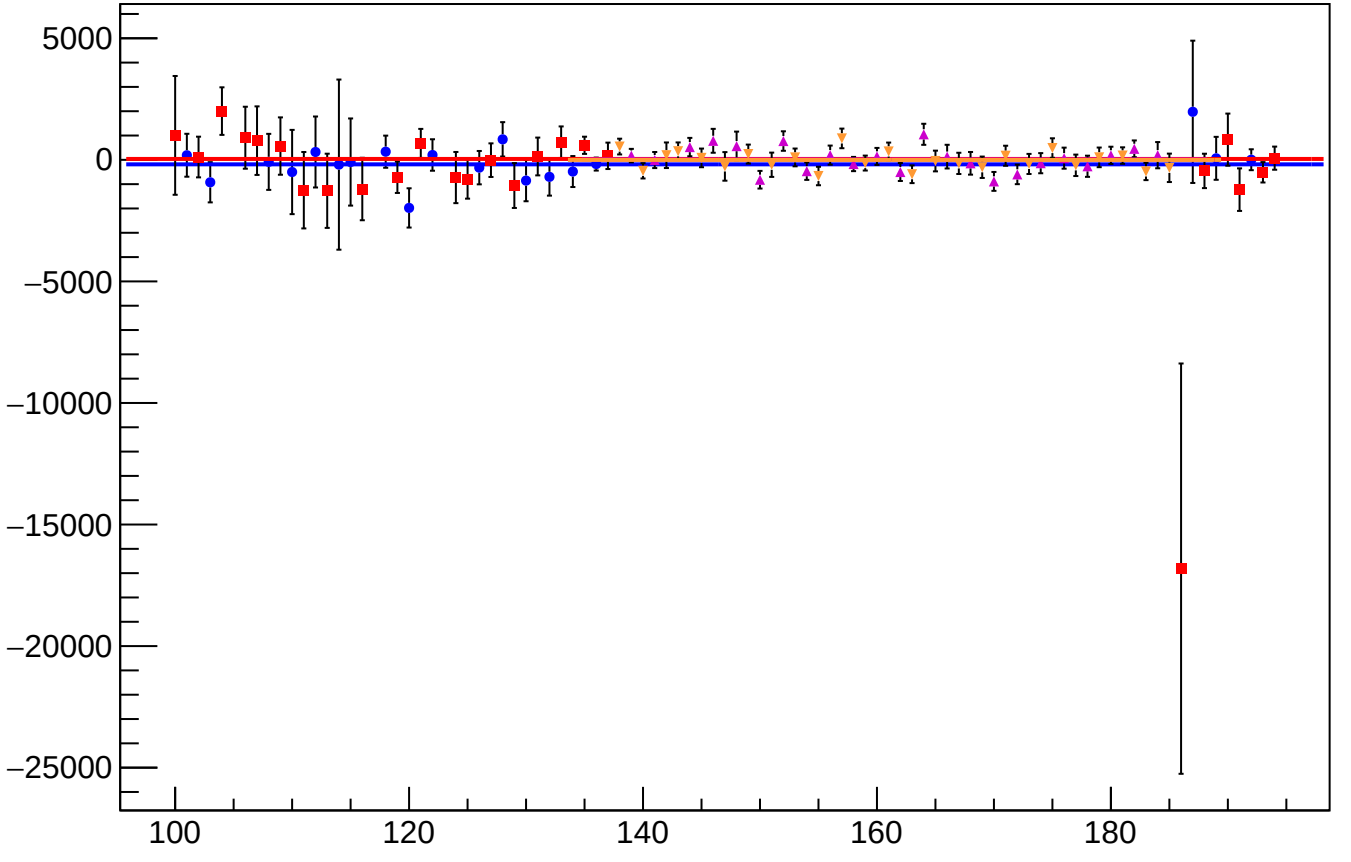
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 82.502+/-0.011 χ^2/NDF: 1287911.3/43

All: 82.947+/-0.008 χ^2/NDF: 3196934.1/91

- sign 83.389+/-0.011 χ^2/NDF: 1905821.5/47

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: 37.154+/-146.577 χ^2/NDF: 25.5/24

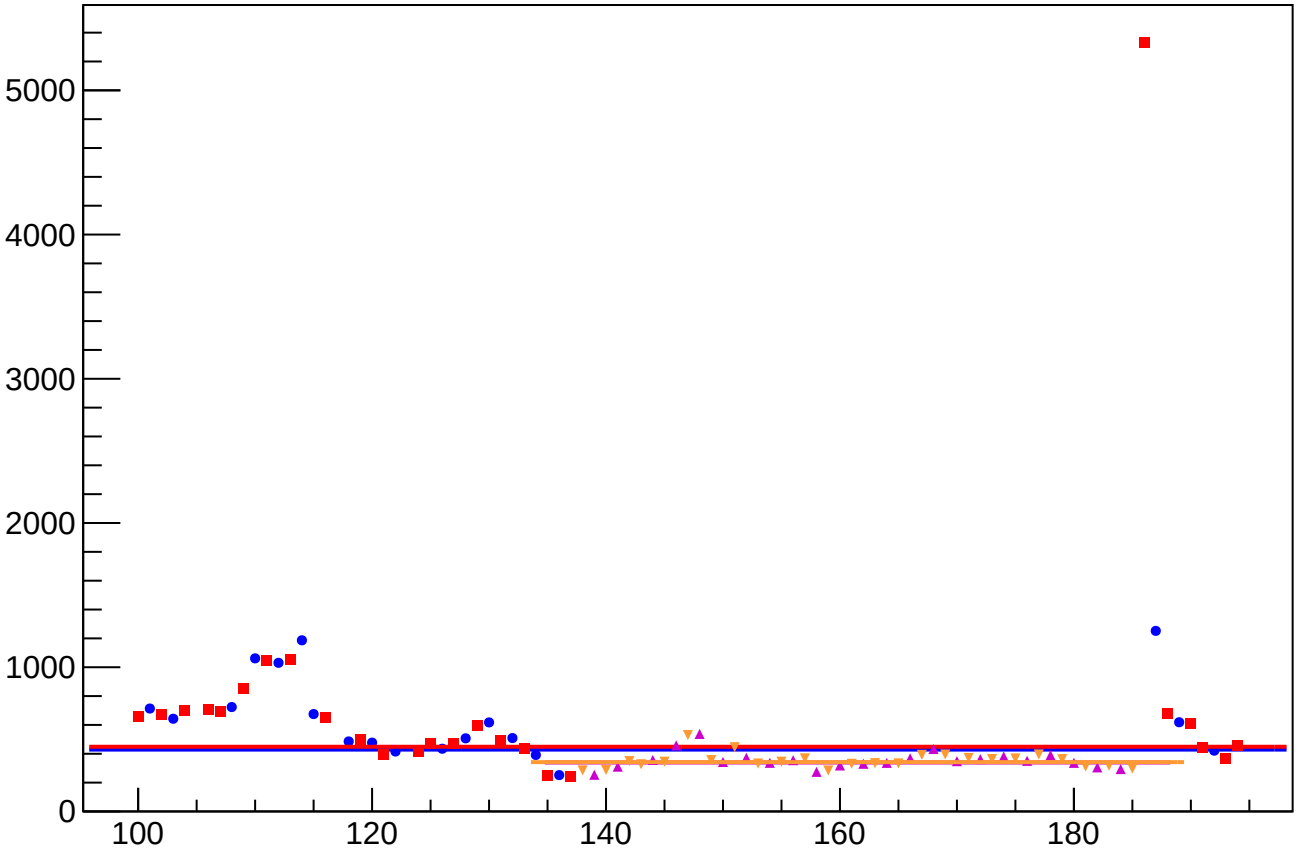
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -40.134+/-70.135 χ^2/NDF: 35.9/43

All: -9.580+/-49.721 χ^2/NDF: 96.7/91

- sign 21.292+/-70.498 χ^2/NDF: 60.5/47

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: 448.548+/-0.104 χ^2/NDF: 3312469.8/24

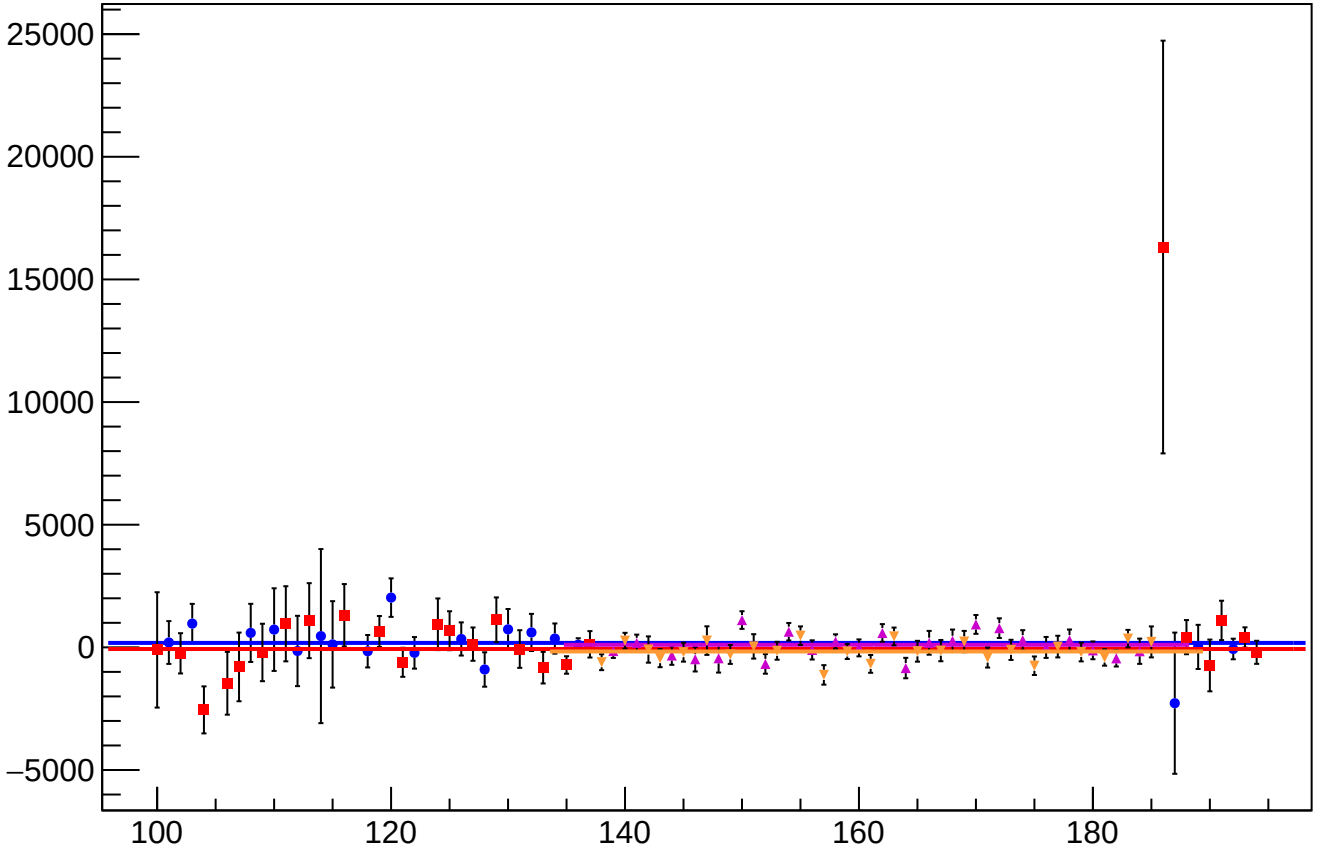
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 359.626+/-0.050 χ^2/NDF: 3663912.5/43

All: 362.136+/-0.035 χ^2/NDF: 8680232.3/91

- sign 364.672+/-0.050 χ^2/NDF: 5011170.7/47

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: -67.391+/-144.792 χ^2/NDF: 29.2/24

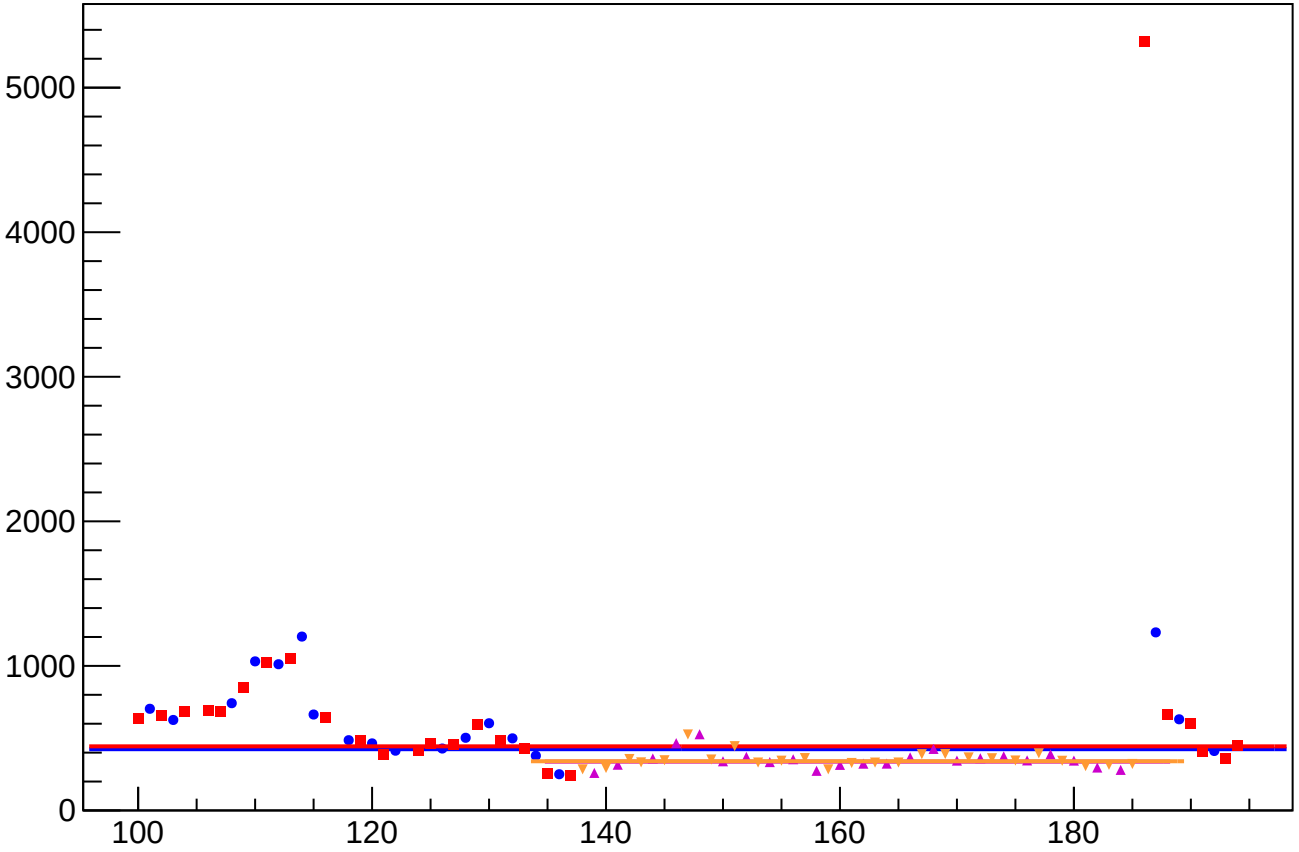
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -95.656+/-69.674 χ^2/NDF: 41.6/43

All: -16.257+/-49.389 χ^2/NDF: 111.9/91

- sign 63.931+/-70.020 χ^2/NDF: 67.8/47

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: 443.516+/-0.102 χ^2/NDF: 3246321.3/24

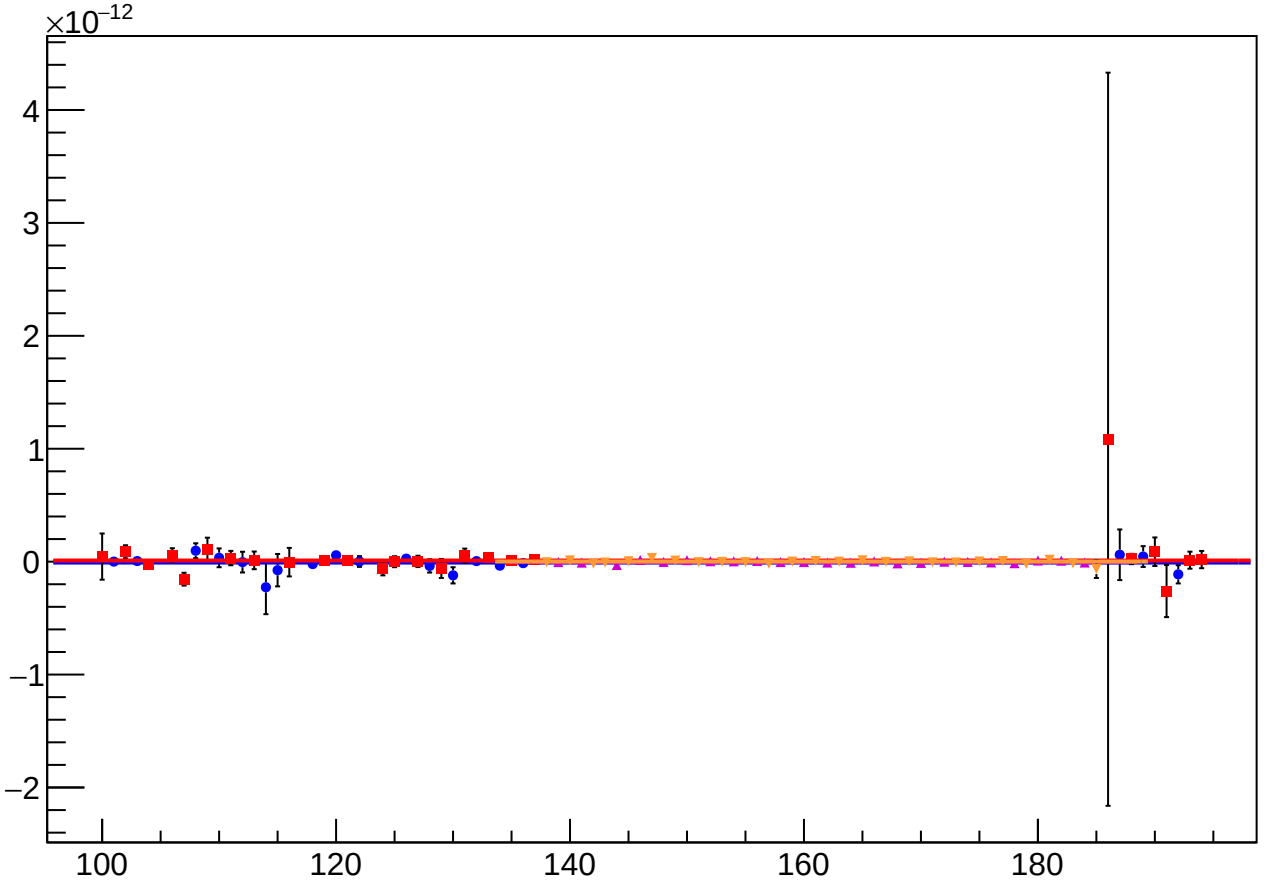
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 357.556+/-0.049 χ^2/NDF: 3566229.8/43

All: 360.011+/-0.035 χ^2/NDF: 8455683.2/91

- sign 362.491+/-0.050 χ^2/NDF: 4884460.9/47

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

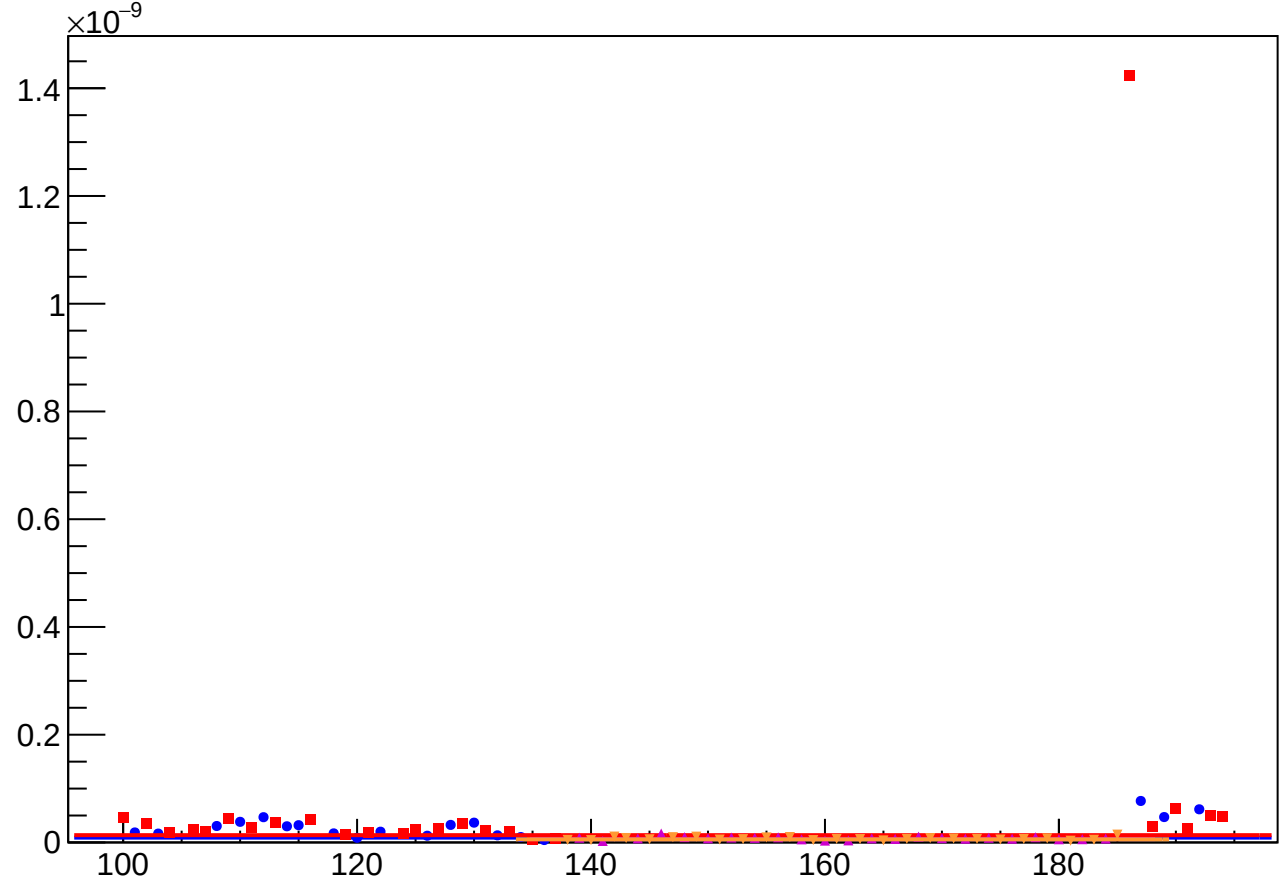
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/24

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: 68.4/91

- sign -0.000+/-0.000 χ^2/NDF: 32.9/47



Right In: 0.000+/-0.000 χ^2/NDF: 4143562.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4667223.3/24

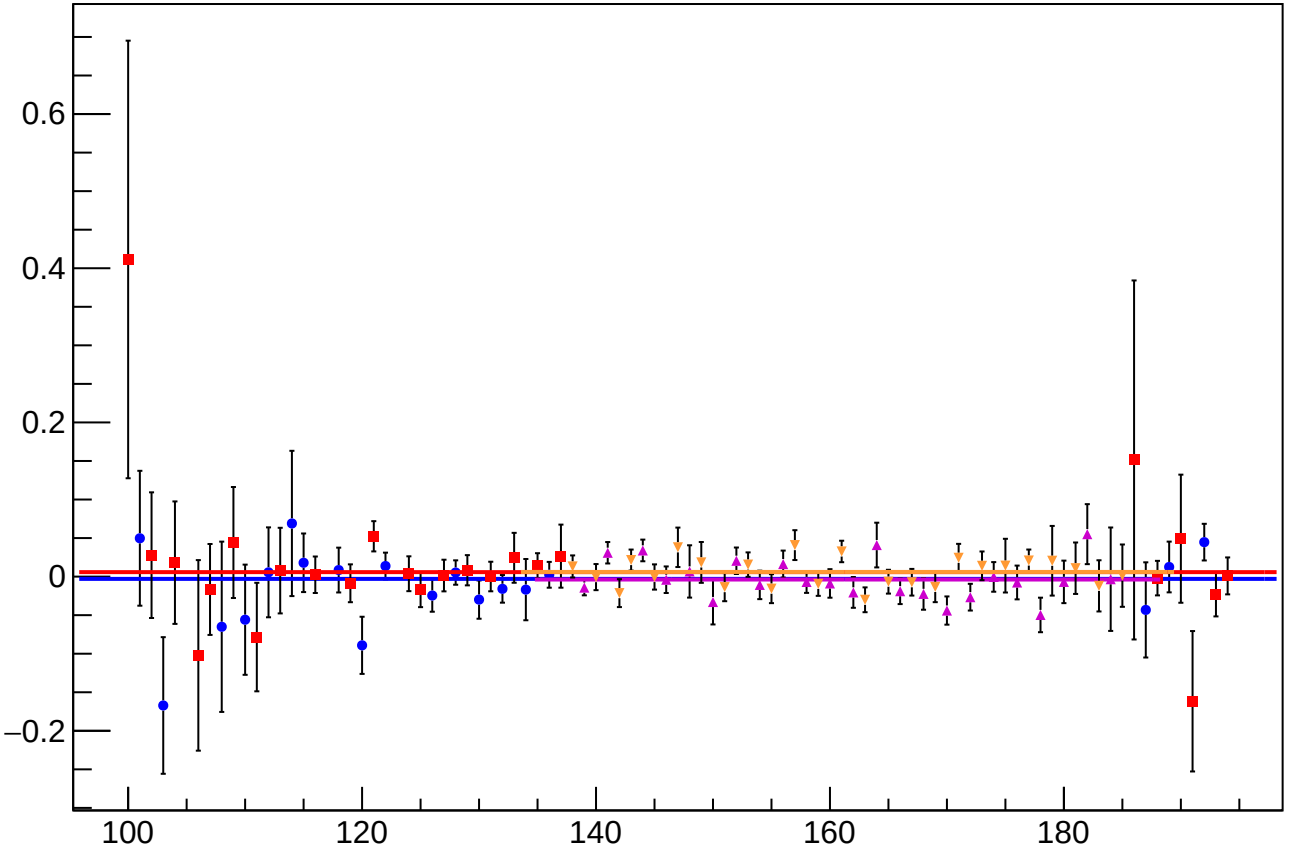
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 5766348.4/43

All: 0.000+/-0.000 χ^2/NDF: 14037153.9/91

- sign 0.000+/-0.000 χ^2/NDF: 8169956.8/47

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: 18.1/24

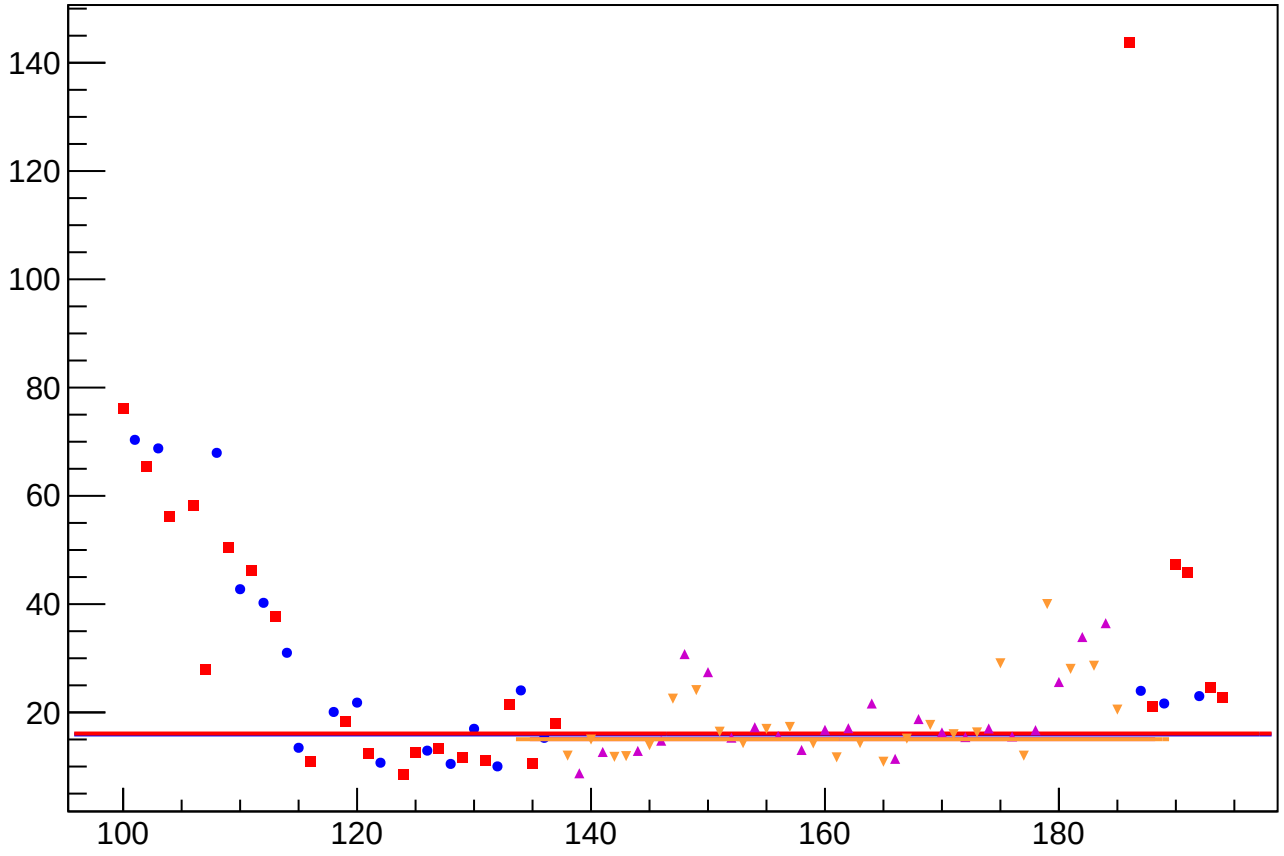
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/43

All: 0.001+/-0.002 χ^2/NDF: 106.3/91

- sign -0.001+/-0.003 χ^2/NDF: 57.1/47

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: 16.098+/-0.004 χ^2/NDF: 5317756.2/24

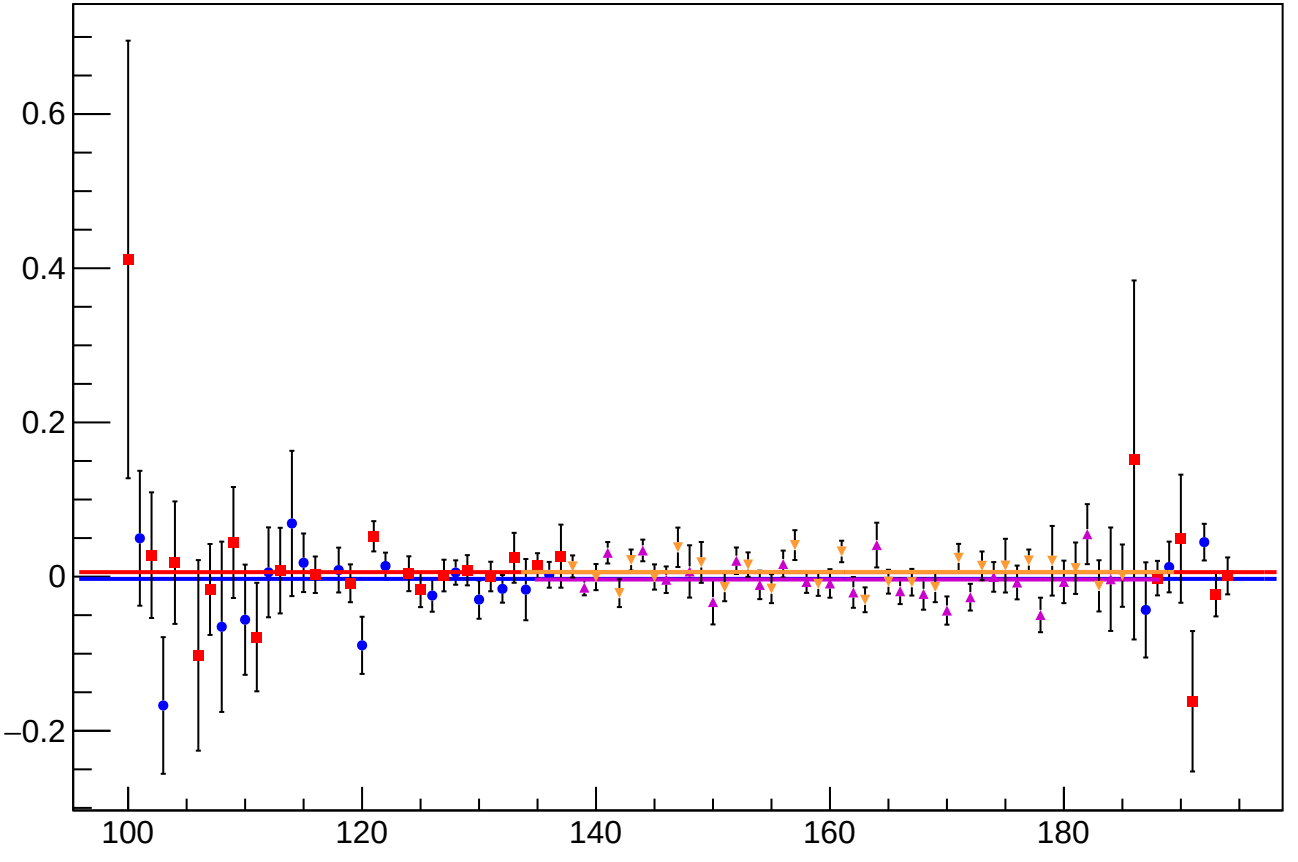
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.270+/-0.002 χ^2/NDF: 6533303.0/43

All: 15.325+/-0.002 χ^2/NDF: 14962852.8/91

- sign 15.381+/-0.002 χ^2/NDF: 8428322.7/47

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: 18.1/24

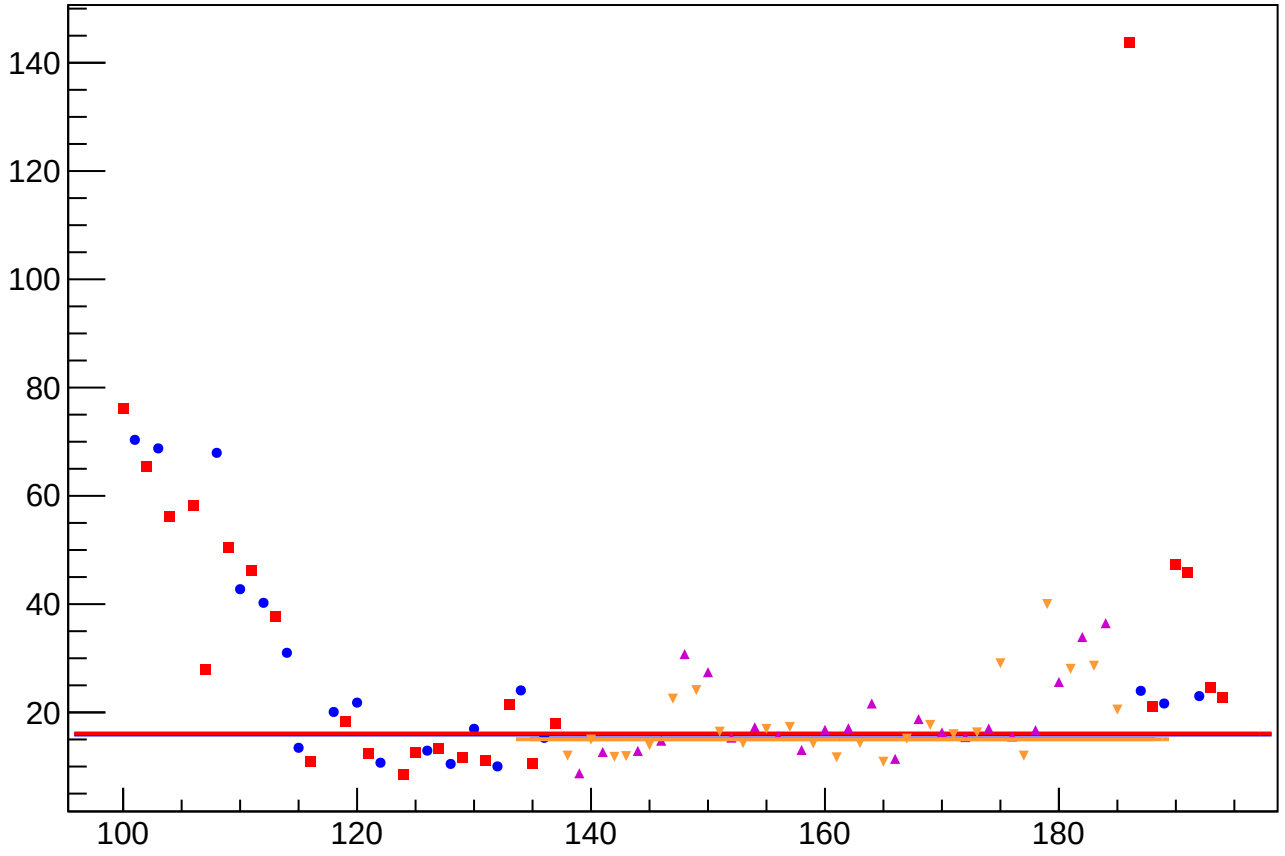
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/43

All: 0.001+/-0.002 χ^2/NDF: 106.3/91

- sign -0.001+/-0.003 χ^2/NDF: 57.1/47

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: 16.098+/-0.004 χ^2/NDF: 5317756.2/24

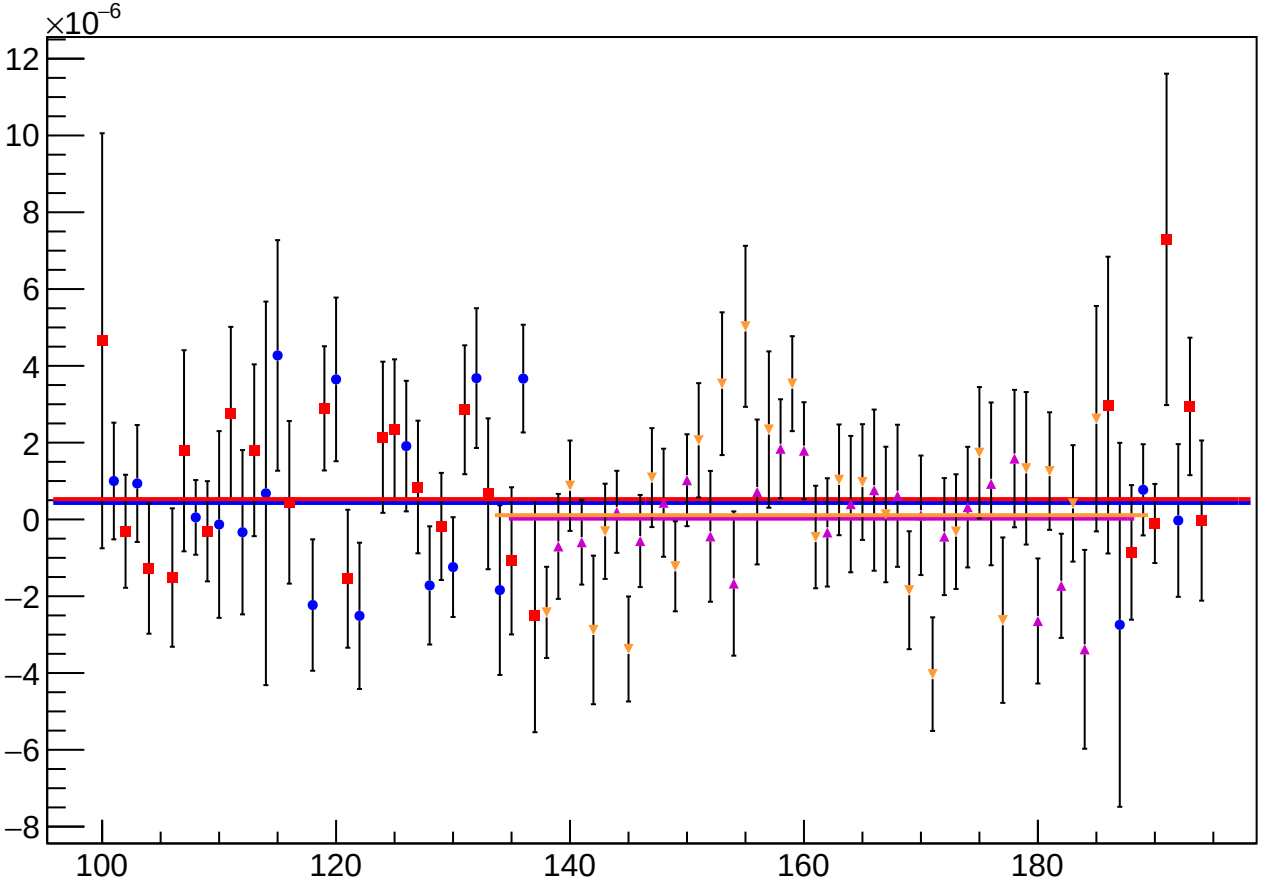
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

\+ sign 15.270+/-0.002 χ^2/NDF: 6533303.0/43

All: 15.325+/-0.002 χ^2/NDF: 14962852.8/91

\- sign 15.381+/-0.002 χ^2/NDF: 8428322.7/47

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

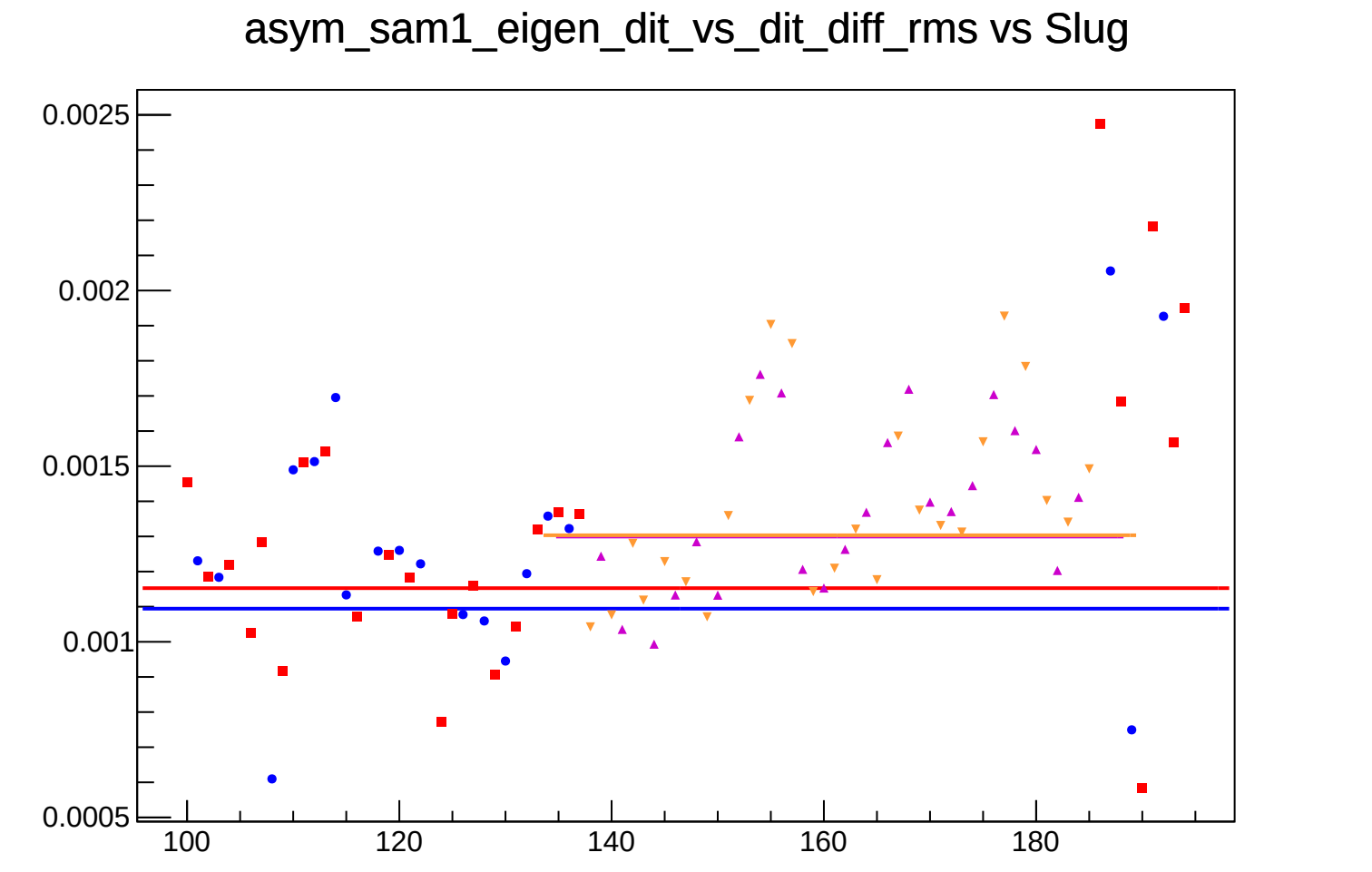
Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/24

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: 109.5/91

- sign 0.000+/-0.000 χ^2/NDF: 35.3/47



Right In: 0.001+/-0.000 χ^2/NDF: 1433272.0/18

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 1952655.7/24

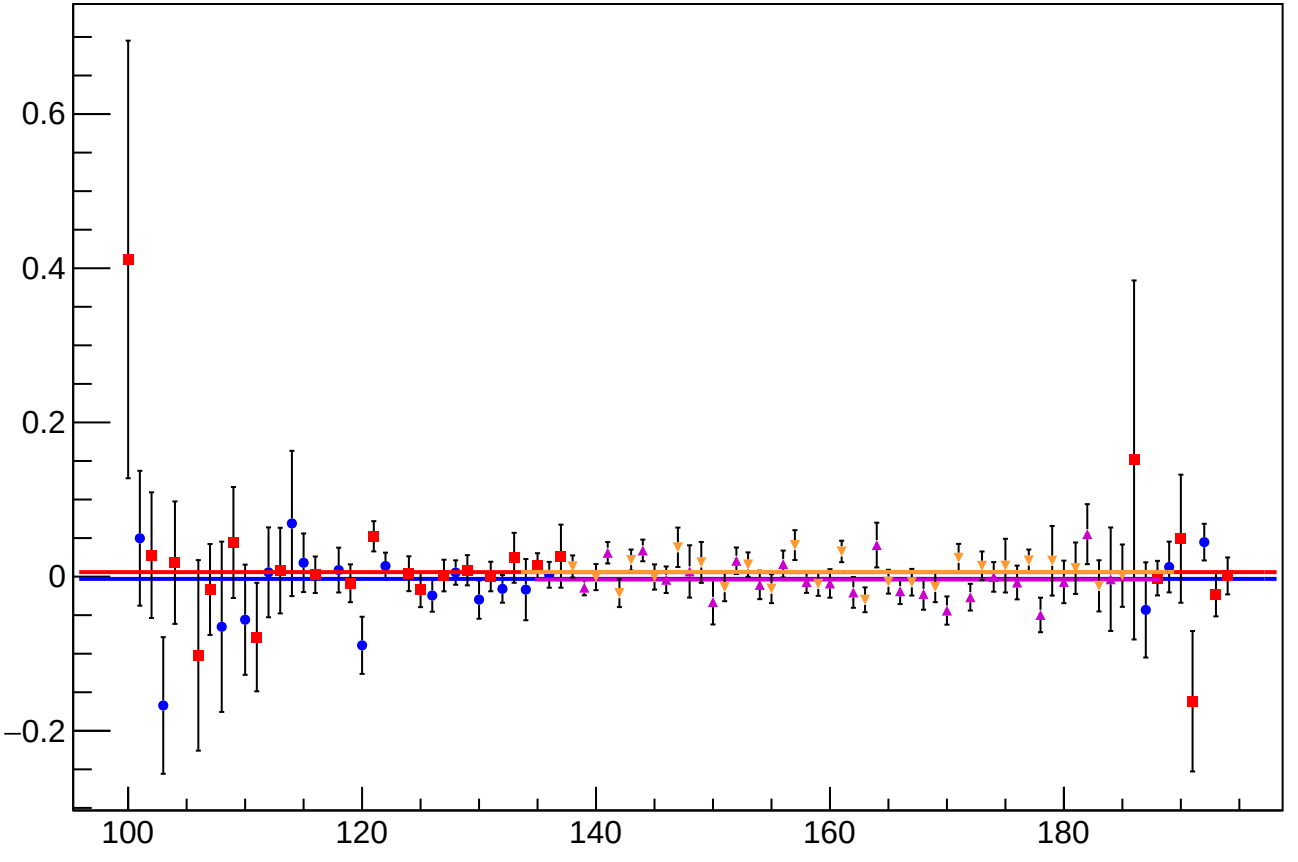
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 2977903.3/43

All: 0.001+/-0.000 χ^2/NDF: 6148740.4/91

- sign 0.001+/-0.000 χ^2/NDF: 3167447.9/47

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: 18.1/24

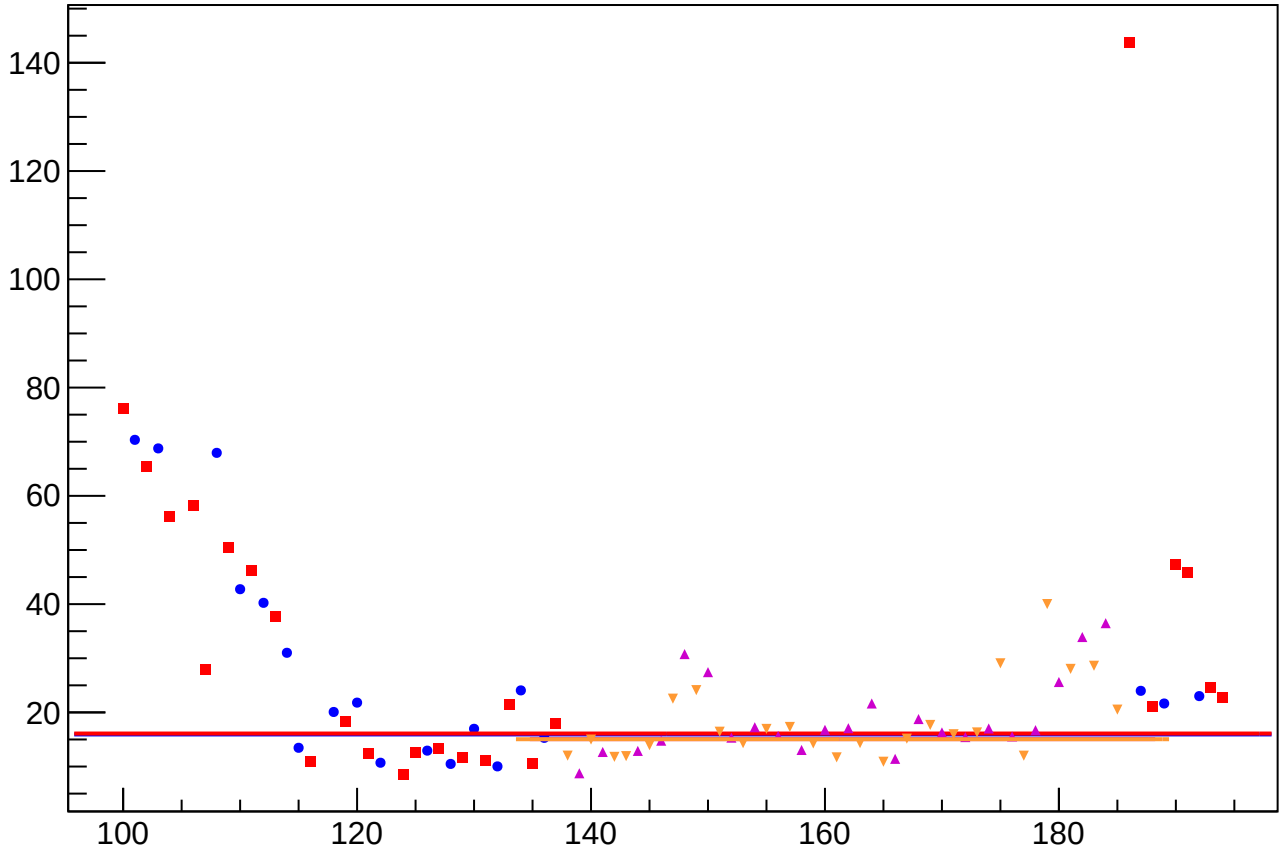
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/43

All: 0.001+/-0.002 χ^2/NDF: 106.3/91

- sign -0.001+/-0.003 χ^2/NDF: 57.1/47

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

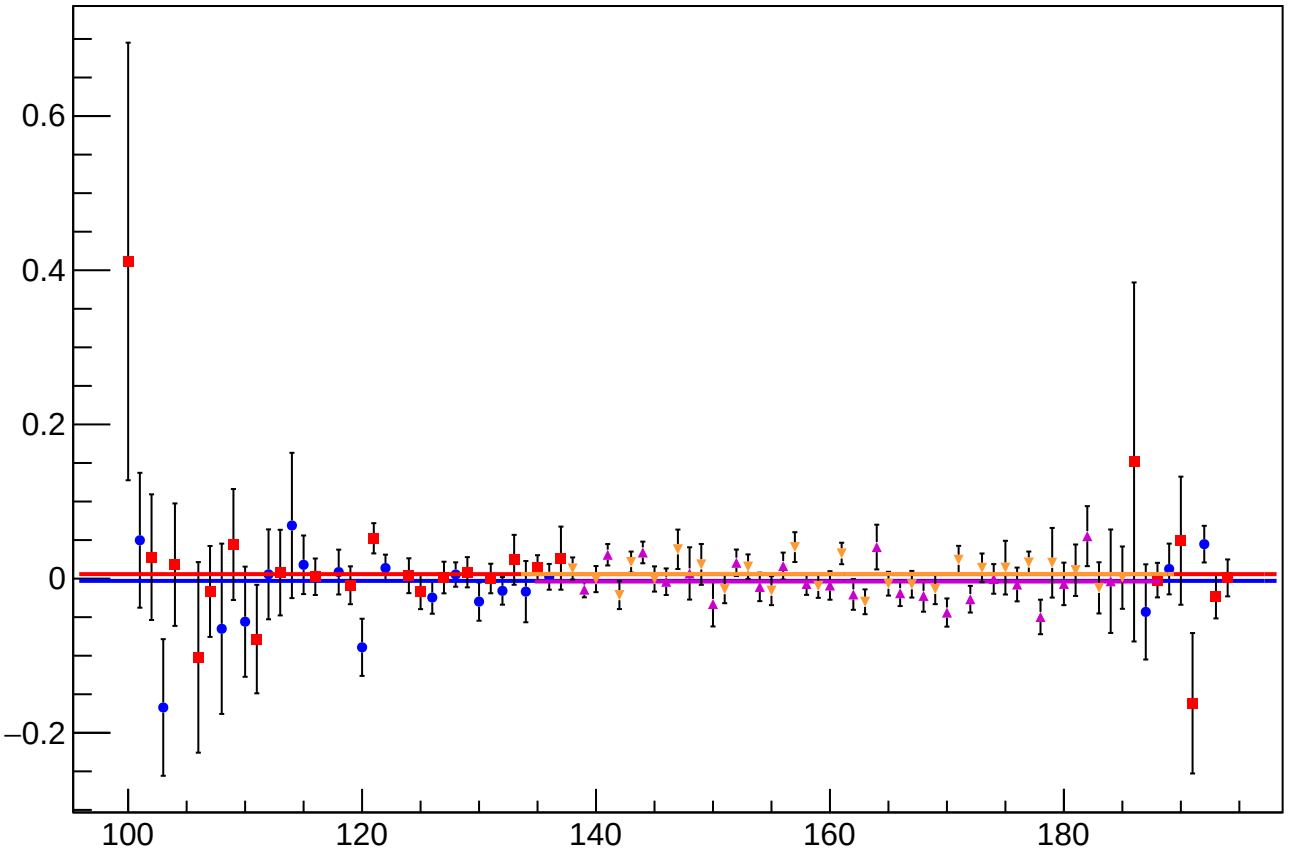
Right Out: 16.098+/-0.004 χ^2/NDF: 5317722.0/24

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.269+/-0.002 χ^2/NDF: 6533527.2/43

All: 15.325+/-0.002 χ^2/NDF: 14963093.0/91

- sign 15.381+/-0.002 χ^2/NDF: 8428337.2/47



Right In: -0.003+/-0.006 χ^2/NDF: 20.0/18

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

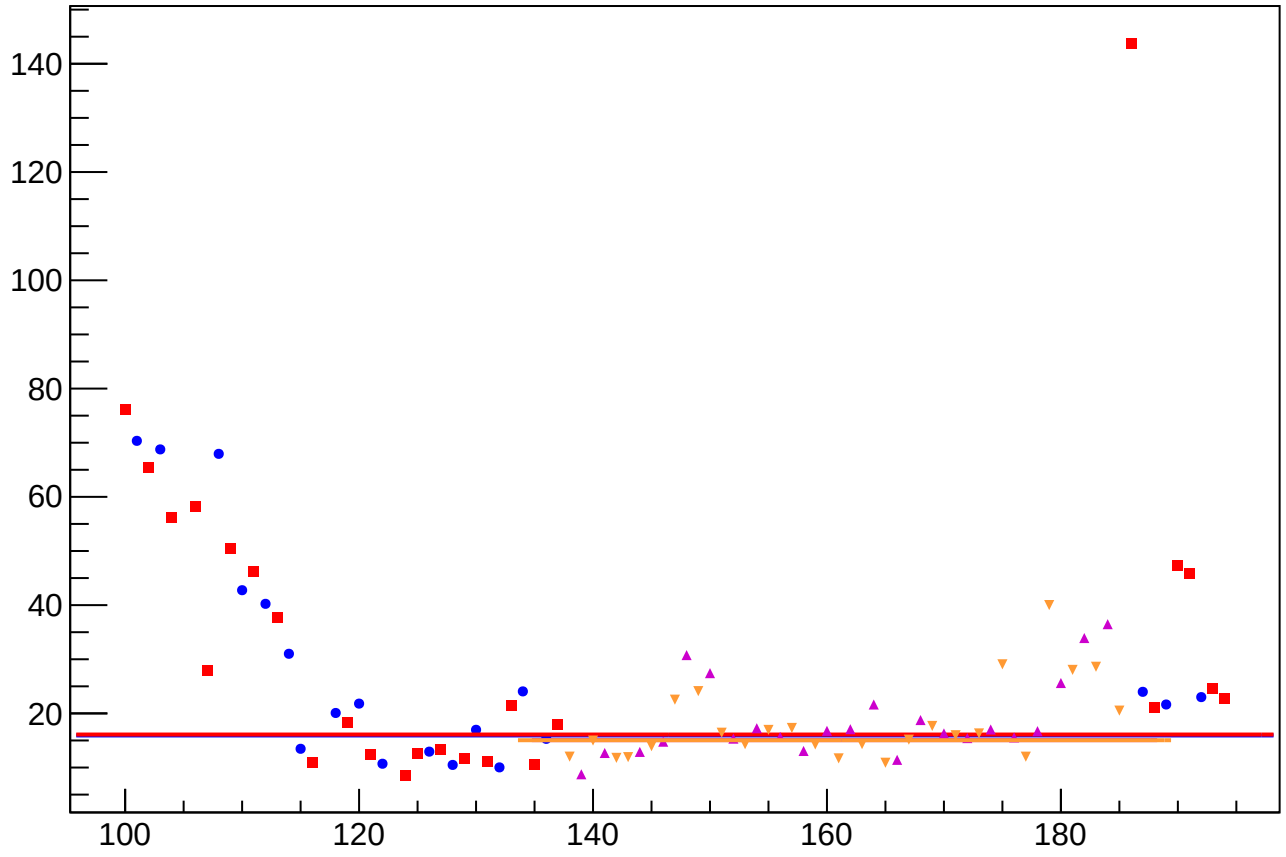
Right Out: 0.006+/-0.006 χ^2/NDF: 18.1/24

Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.004+/-0.003 χ^2/NDF: 48.2/43

All: 0.001+/-0.002 χ^2/NDF: 106.3/91

- sign -0.001+/-0.003 χ^2/NDF: 57.1/47



Right In: 15.928+/-0.004 χ^2/NDF: 3746153.5/18

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.098+/-0.004 χ^2/NDF: 5317722.0/24

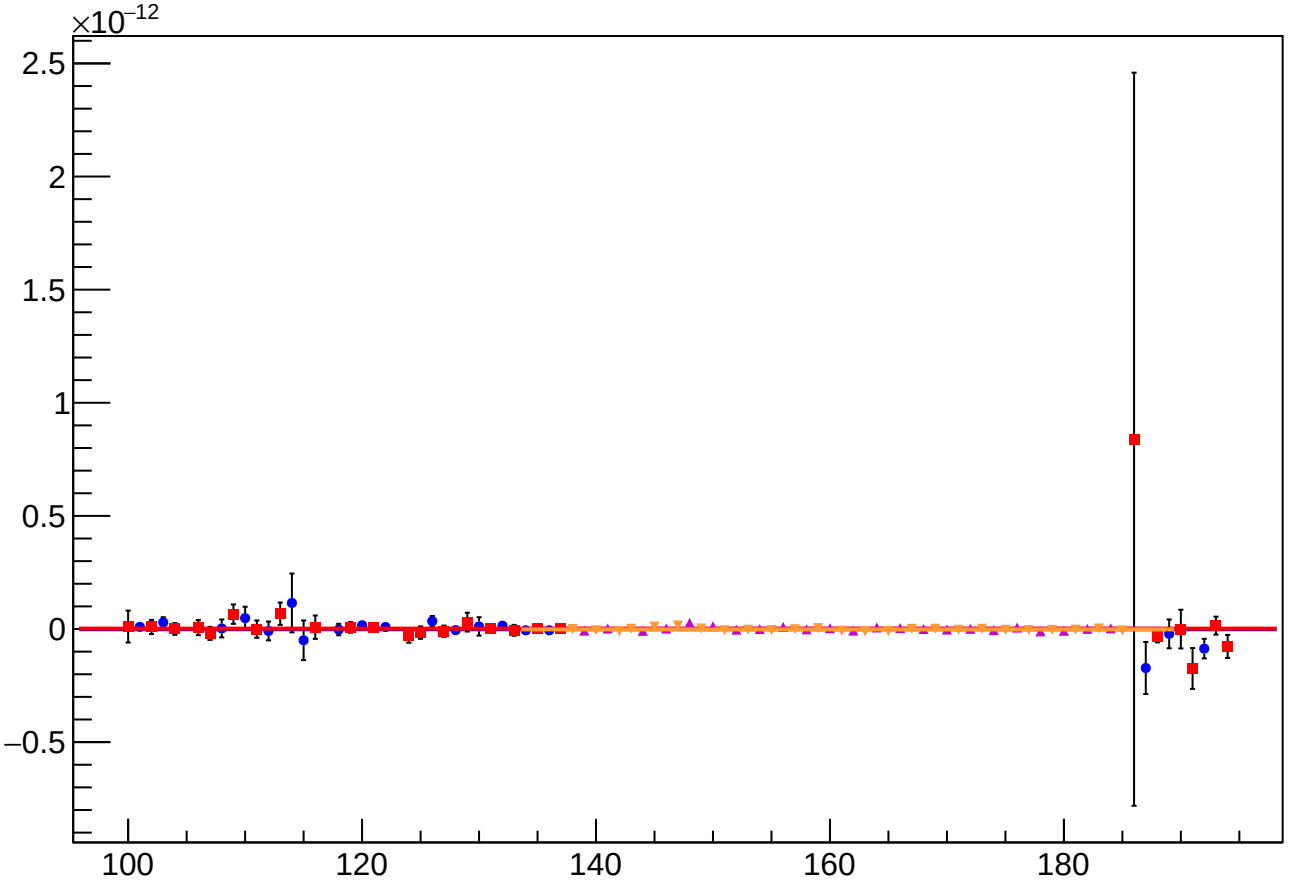
Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.269+/-0.002 χ^2/NDF: 6533527.2/43

All: 15.325+/-0.002 χ^2/NDF: 14963093.0/91

- sign 15.381+/-0.002 χ^2/NDF: 8428337.2/47

asym_sam1_eigen_cor_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:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/24

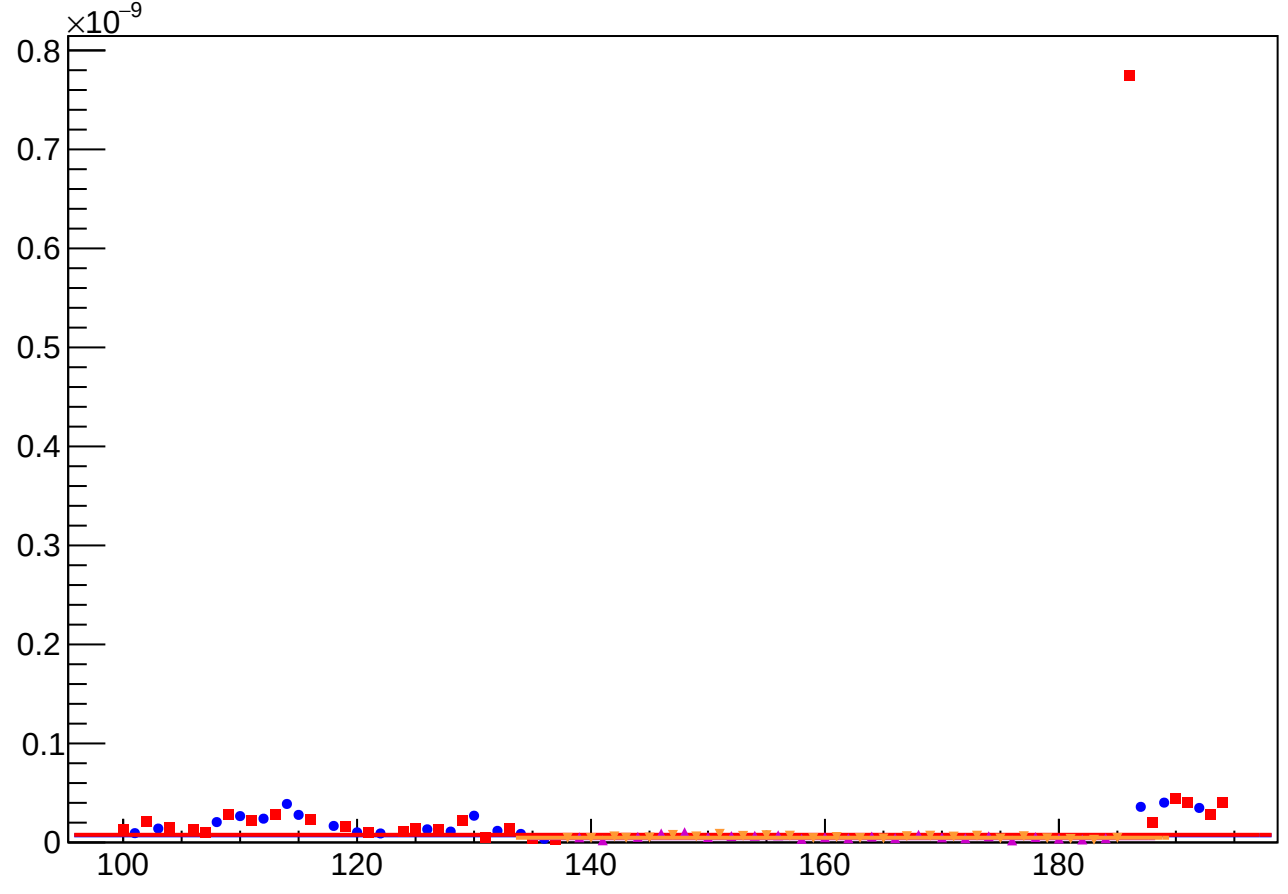
Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.8/43

All: -0.000+/-0.000 χ^2/NDF: 69.8/91

- sign 0.000+/-0.000 χ^2/NDF: 37.0/47

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: 7215803.7/24

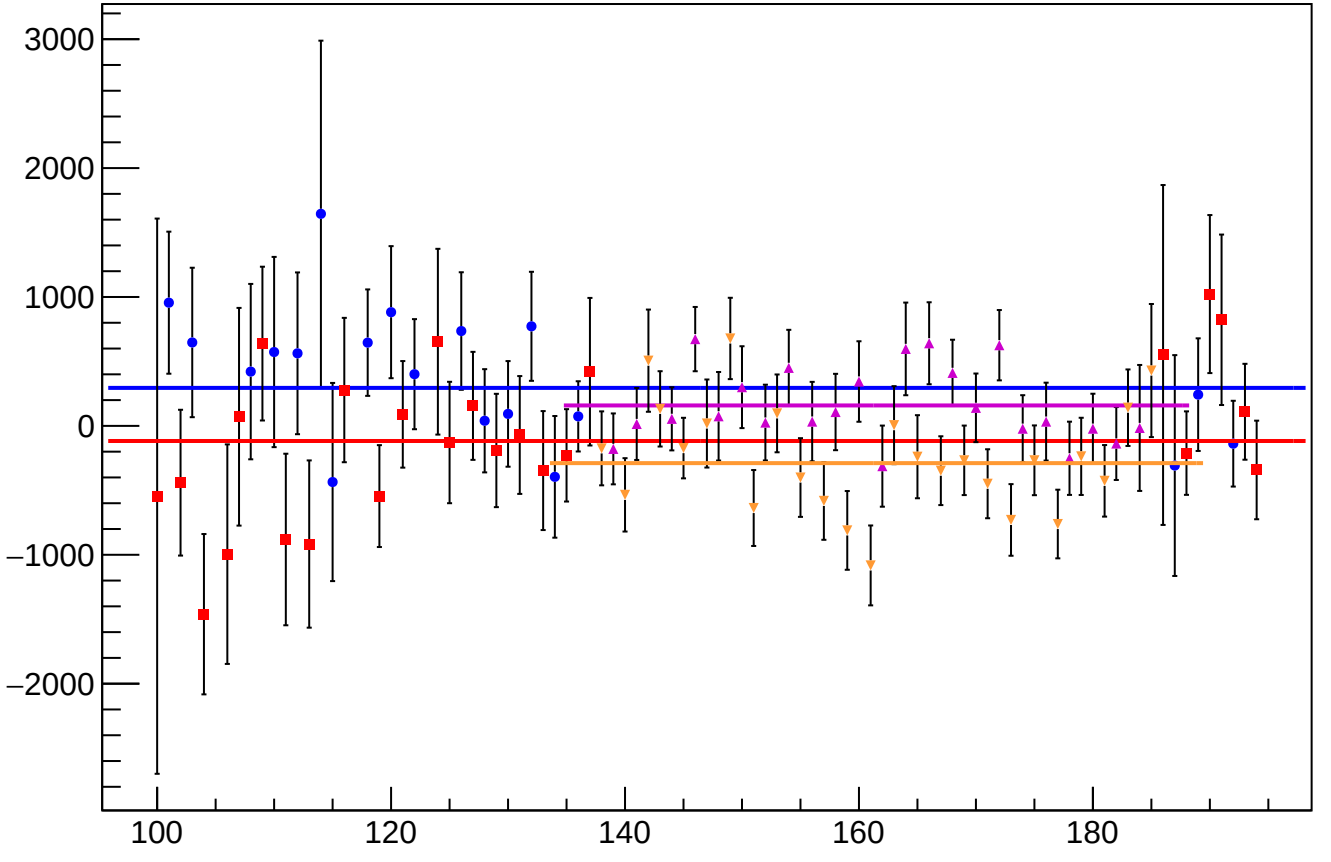
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7834922.1/43

All: 0.000+/-0.000 χ^2/NDF: 20107837.8/91

- sign 0.000+/-0.000 χ^2/NDF: 12170075.5/47

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: -117.187+/-100.836 χ^2/NDF: 21.9/24

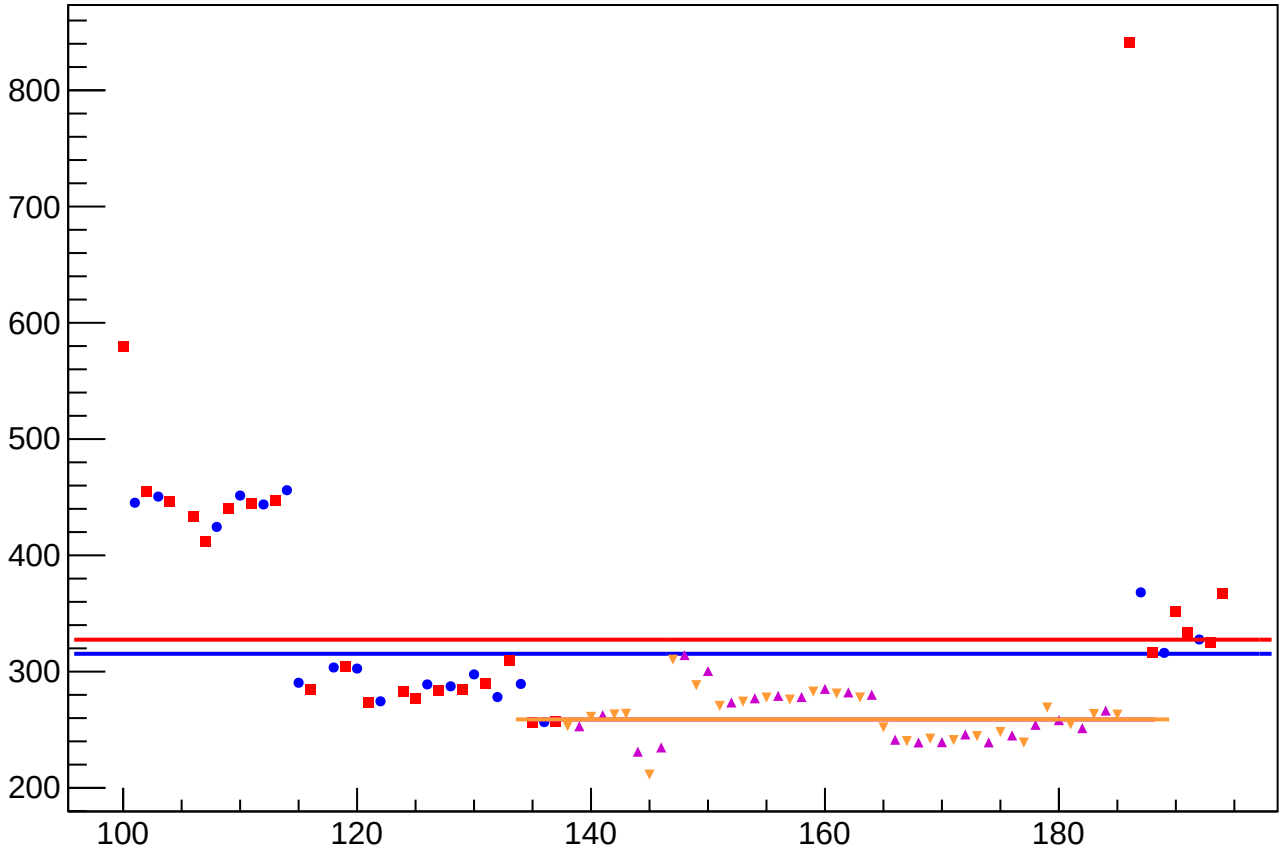
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -153.829+/-51.755 χ^2/NDF: 79.1/43

All: -34.885+/-36.686 χ^2/NDF: 139.6/91

- sign 85.233+/-52.009 χ^2/NDF: 49.9/47

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: 327.463+/-0.071 χ^2/NDF: 1036567.6/24

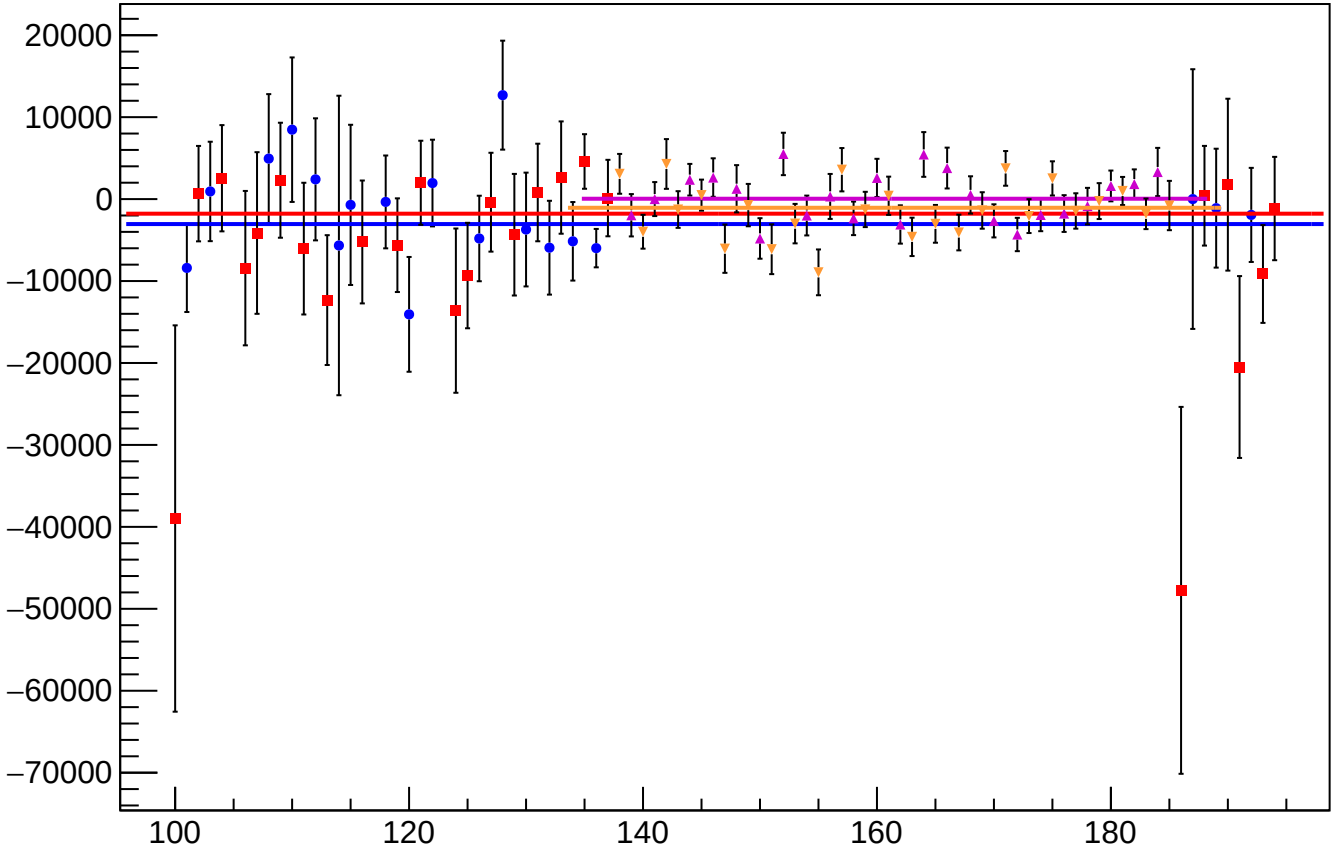
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 271.969+/-0.037 χ^2/NDF: 1285001.7/43

All: 274.521+/-0.026 χ^2/NDF: 3256095.9/91

- sign 277.098+/-0.037 χ^2/NDF: 1961319.3/47

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: -1780.486+/-1313.634 χ^2/NDF: 23.5/24

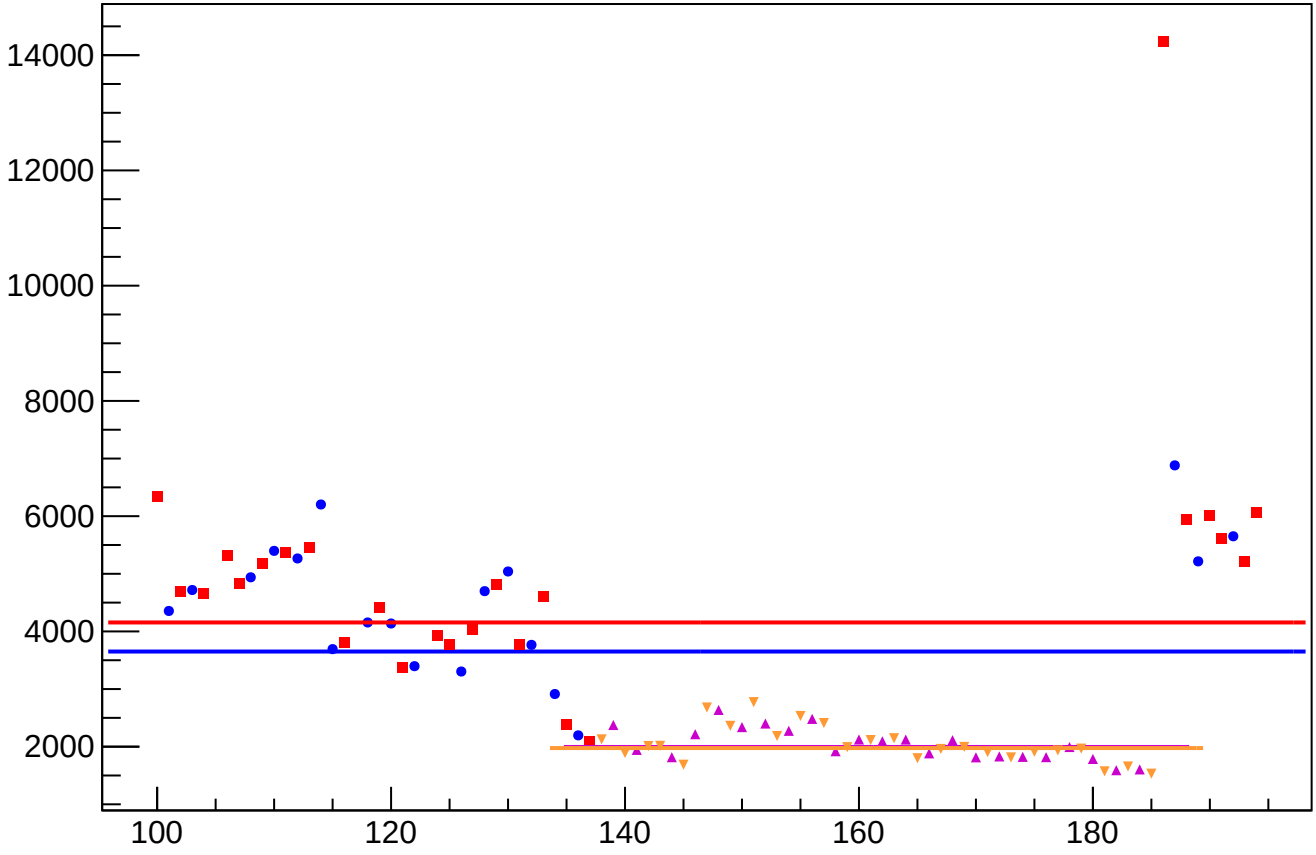
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

\+ sign -1278.191+/-428.879 χ^2/NDF: 59.9/43

All: -738.932+/-308.172 χ^2/NDF: 122.5/91

\- sign -163.285+/-443.113 χ^2/NDF: 59.3/47

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: 4155.620+/-0.929 χ^2/NDF: 2204609.5/24

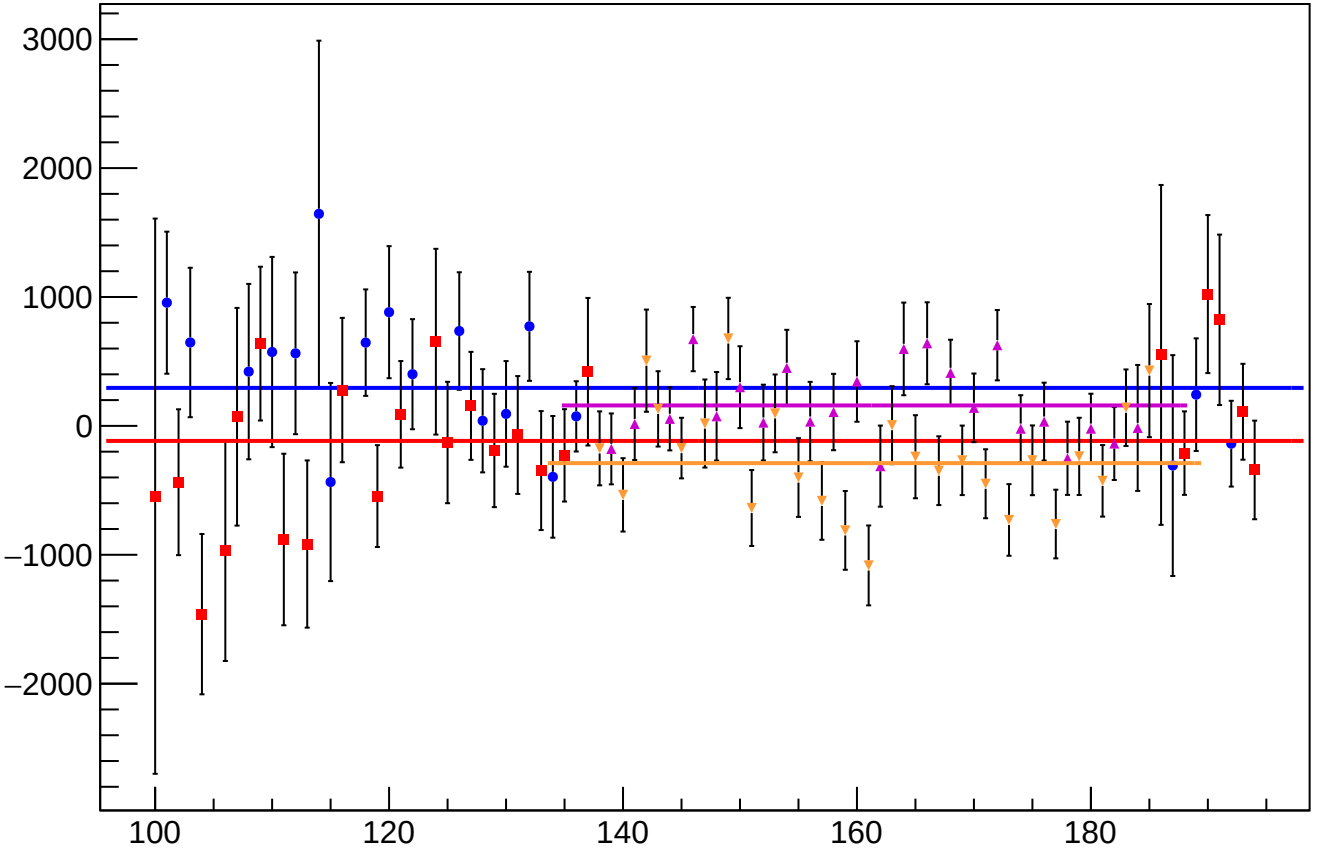
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2160.514+/-0.303 χ^2/NDF: 5521983.9/43

All: 2199.265+/-0.218 χ^2/NDF: 13156291.9/9

- sign 2240.630+/-0.313 χ^2/NDF: 7600551.1/47

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: -116.599+/-100.842 χ^2/NDF: 21.8/24

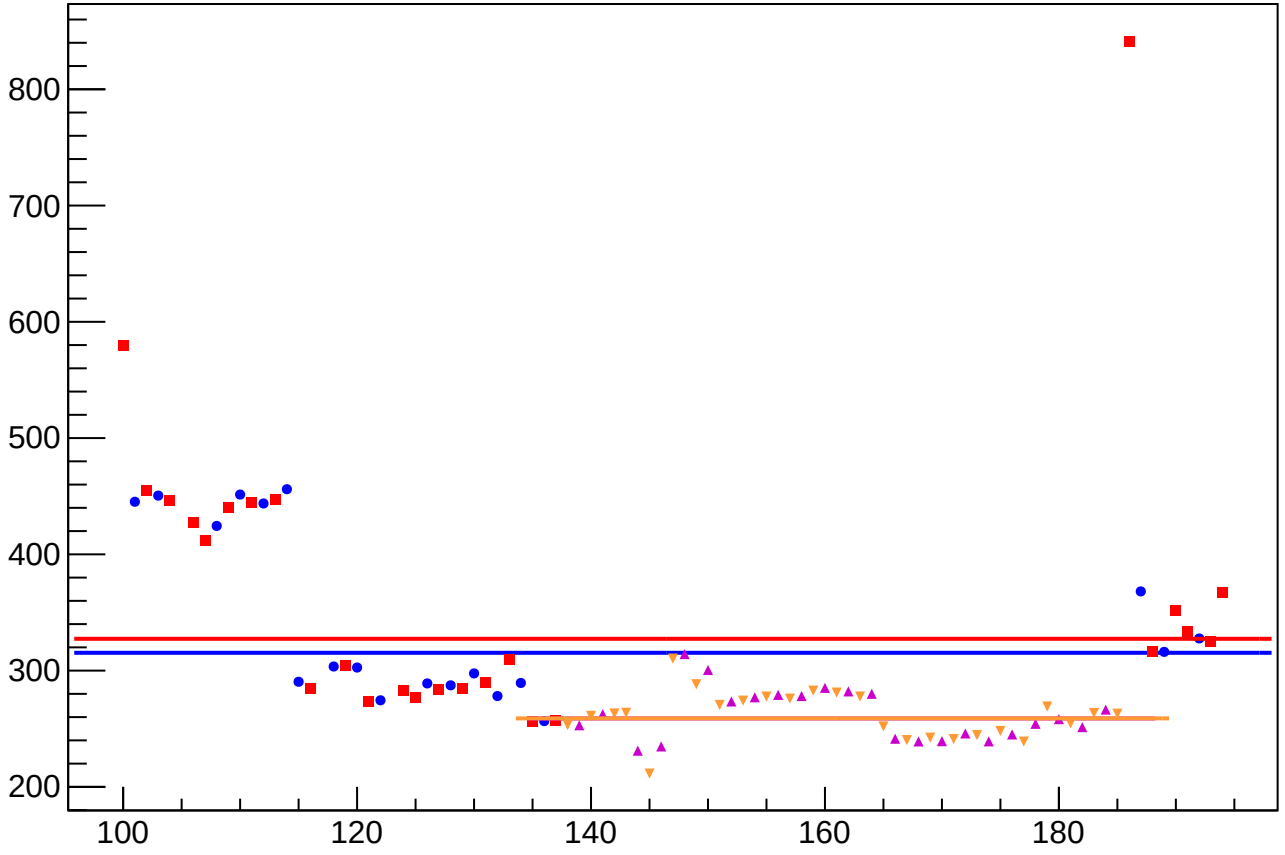
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -153.837+/-51.755 χ^2/NDF: 79.1/43

All: -34.806+/-36.686 χ^2/NDF: 139.5/91

- sign 85.404+/-52.010 χ^2/NDF: 49.8/47

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: 327.360+/-0.071 χ^2/NDF: 1032715.6/24

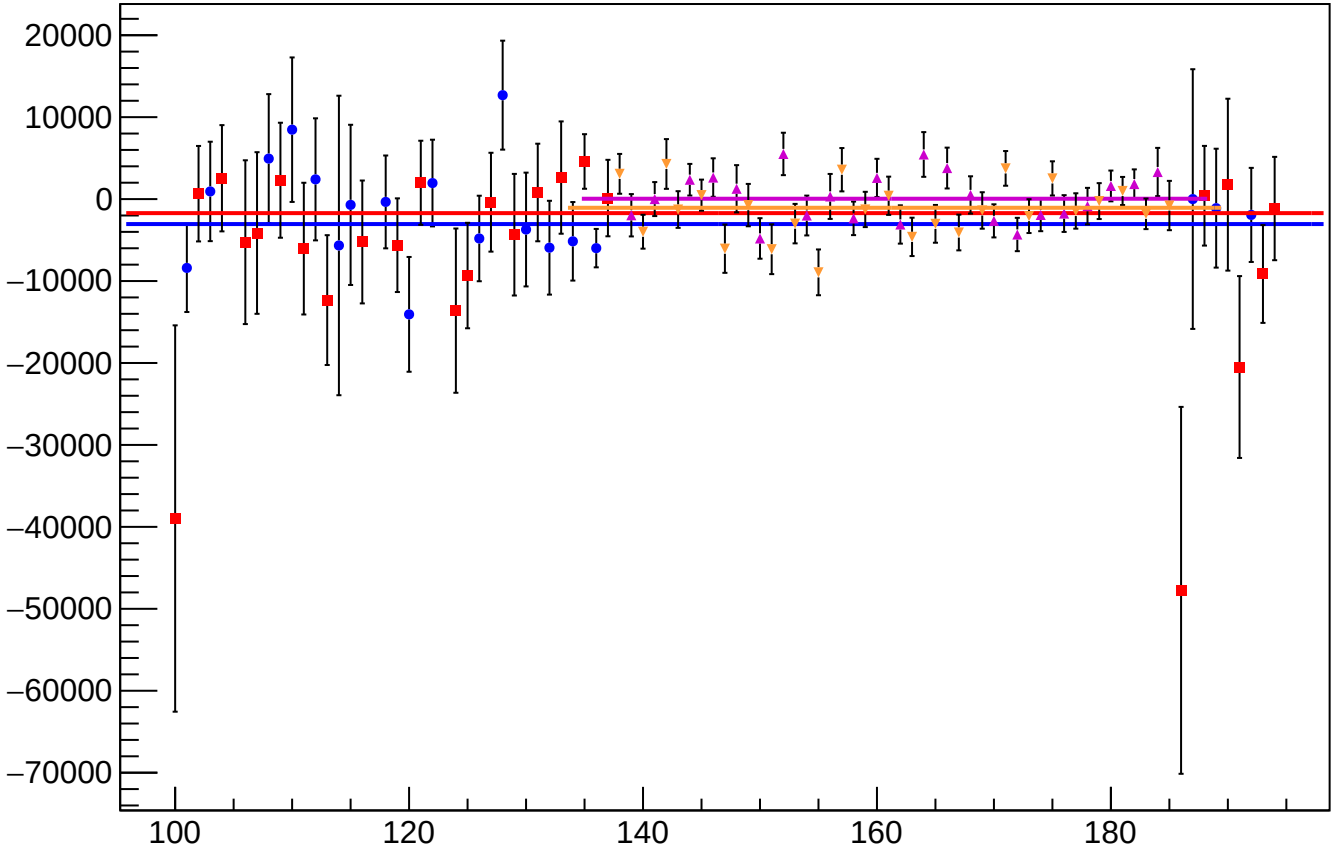
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 271.969+/-0.037 χ^2/NDF: 1285003.2/43

All: 274.506+/-0.026 χ^2/NDF: 3250024.8/91

- sign 277.069+/-0.037 χ^2/NDF: 1955357.9/47

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: -1711.702+/-1315.096 χ^2/NDF: 23.1/24

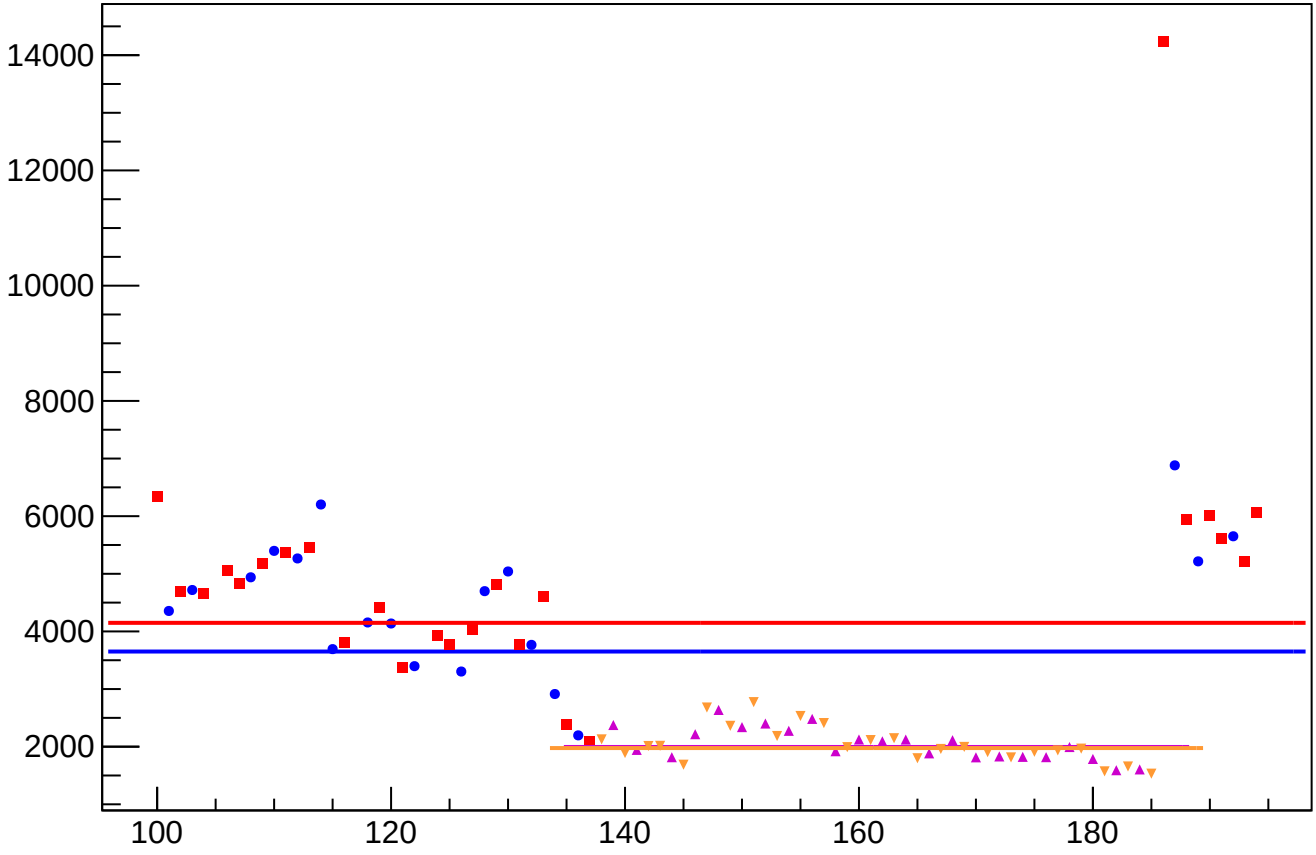
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1278.187+/-428.879 χ^2/NDF: 59.9/43

All: -735.027+/-308.191 χ^2/NDF: 122.0/91

- sign -155.069+/-443.169 χ^2/NDF: 58.8/47

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: 4148.954+/-0.930 χ^2/NDF: 2191184.1/24

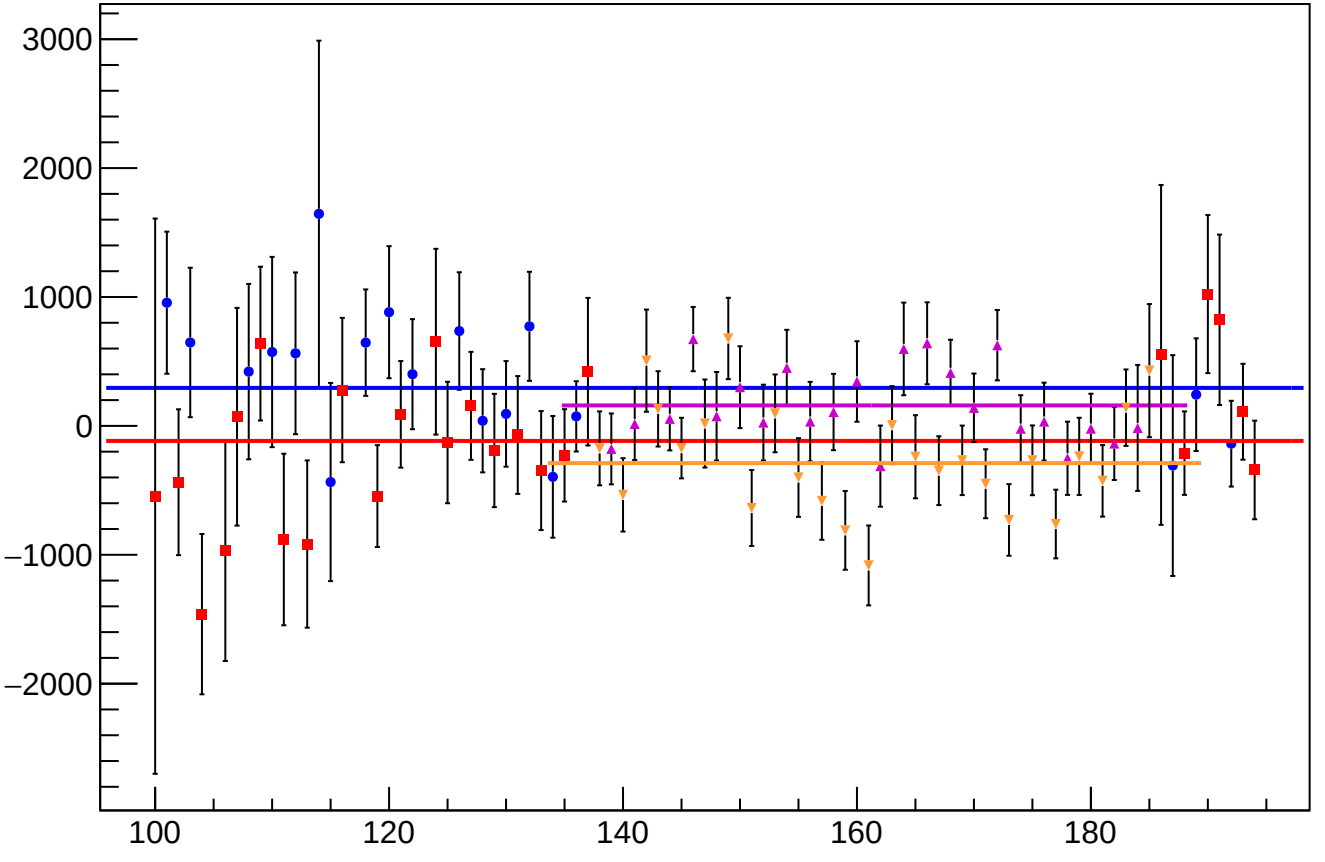
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2160.514+/-0.303 χ^2/NDF: 5522004.8/43

All: 2198.660+/-0.218 χ^2/NDF: 13102915.9/9

- sign 2239.390+/-0.313 χ^2/NDF: 7548196.0/47

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: -116.599+/-100.842 χ^2/NDF: 21.8/24

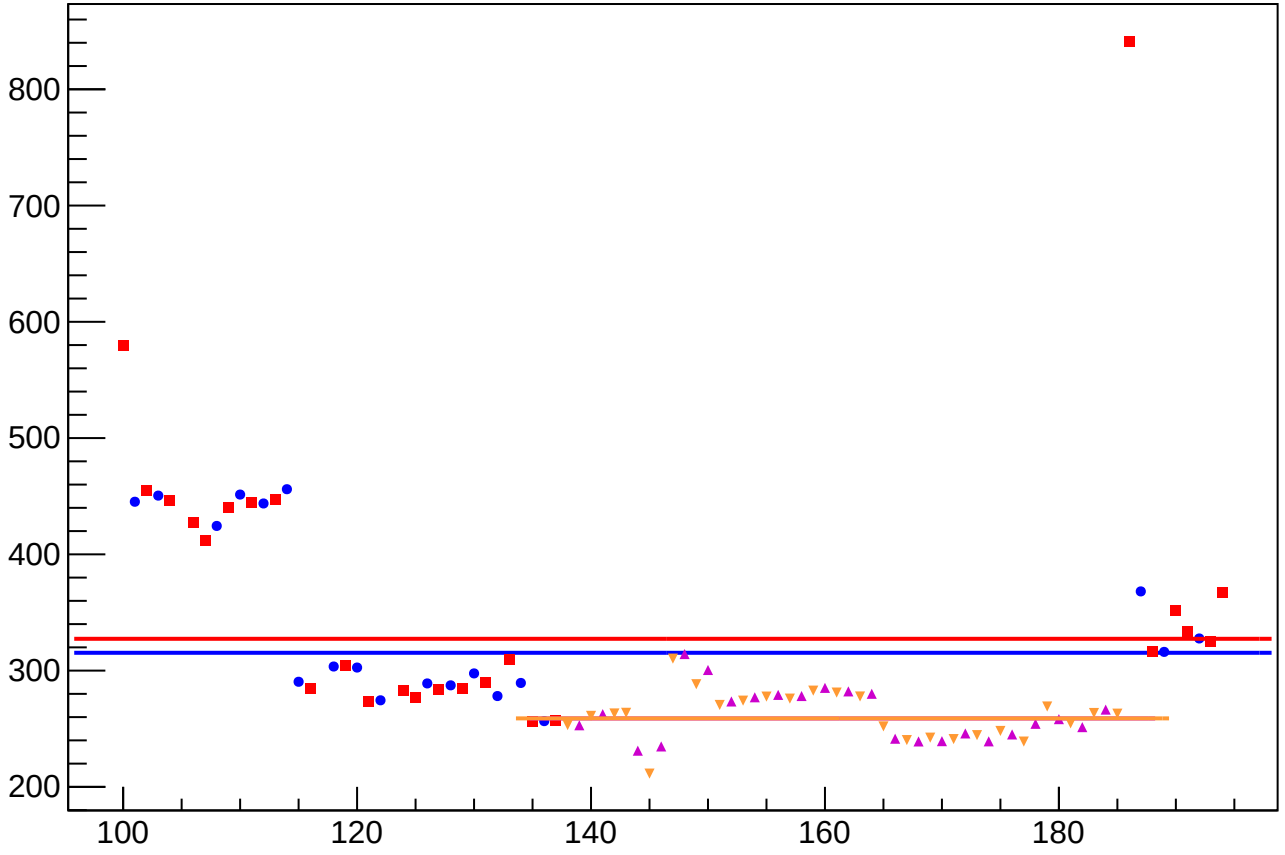
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -153.837+/-51.755 χ^2/NDF: 79.1/43

All: -34.806+/-36.686 χ^2/NDF: 139.5/91

- sign 85.404+/-52.010 χ^2/NDF: 49.8/47

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

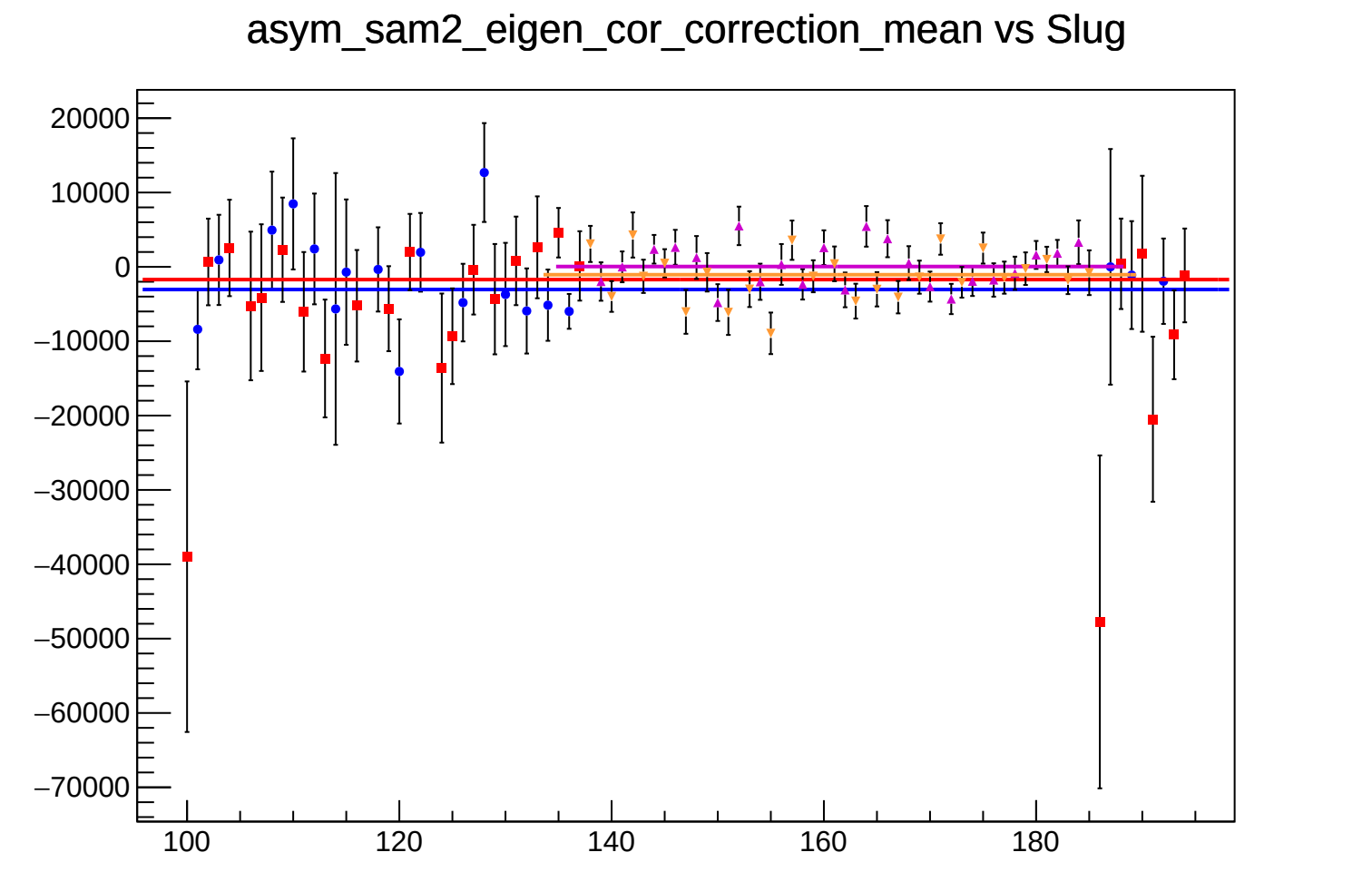
Right Out: 327.360+/-0.071 χ^2/NDF: 1032715.6/24

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 271.969+/-0.037 χ^2/NDF: 1285003.2/43

All: 274.506+/-0.026 χ^2/NDF: 3250024.8/91

- sign 277.069+/-0.037 χ^2/NDF: 1955357.9/47



Right In: -3046.771+/-1292.159 χ^2/NDF: 16.3/18

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1711.702+/-1315.096 χ^2/NDF: 23.1/24

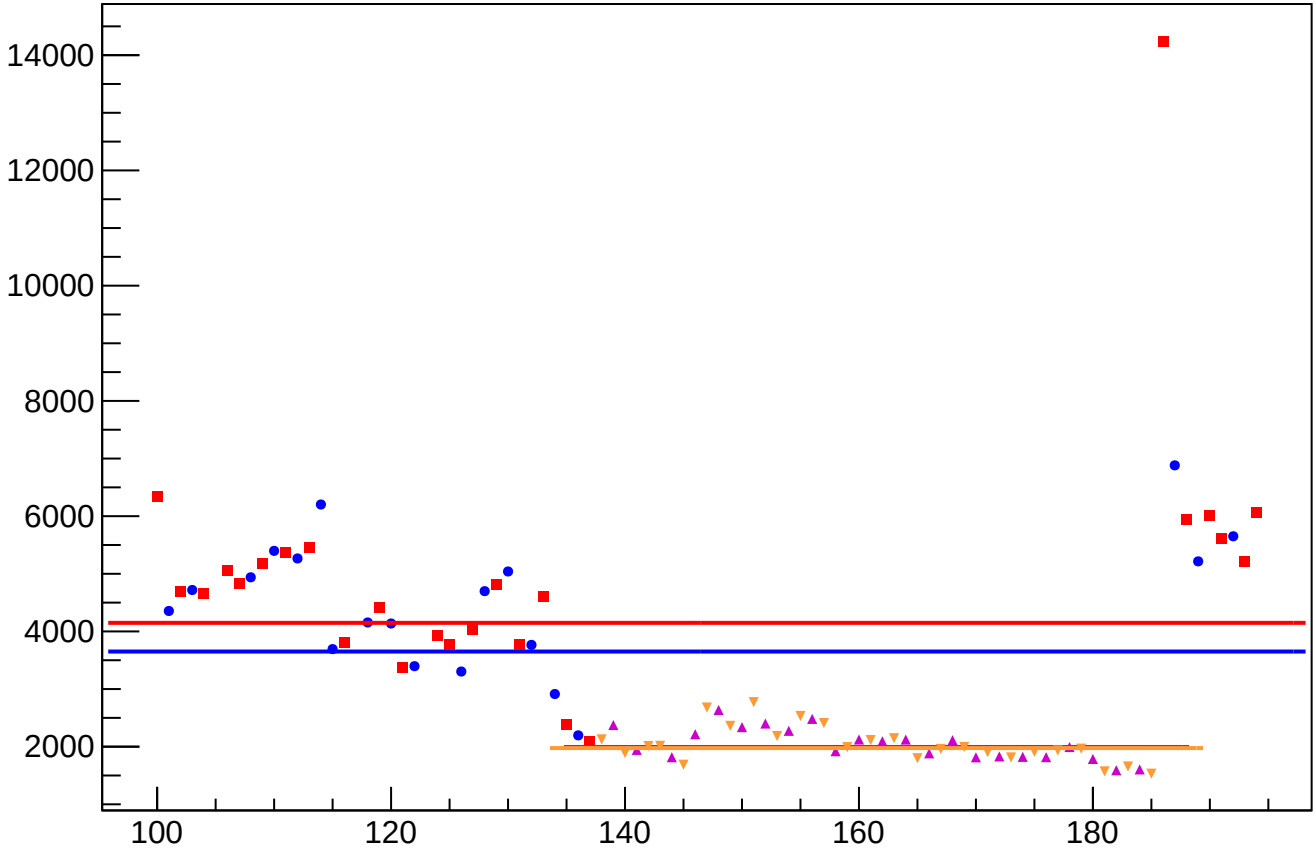
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

\+ sign -1278.187+/-428.879 χ^2/NDF: 59.9/43

All: -735.027+/-308.191 χ^2/NDF: 122.0/91

\- sign -155.069+/-443.169 χ^2/NDF: 58.8/47

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: 4148.954+/-0.930 χ^2/NDF: 2191184.1/24

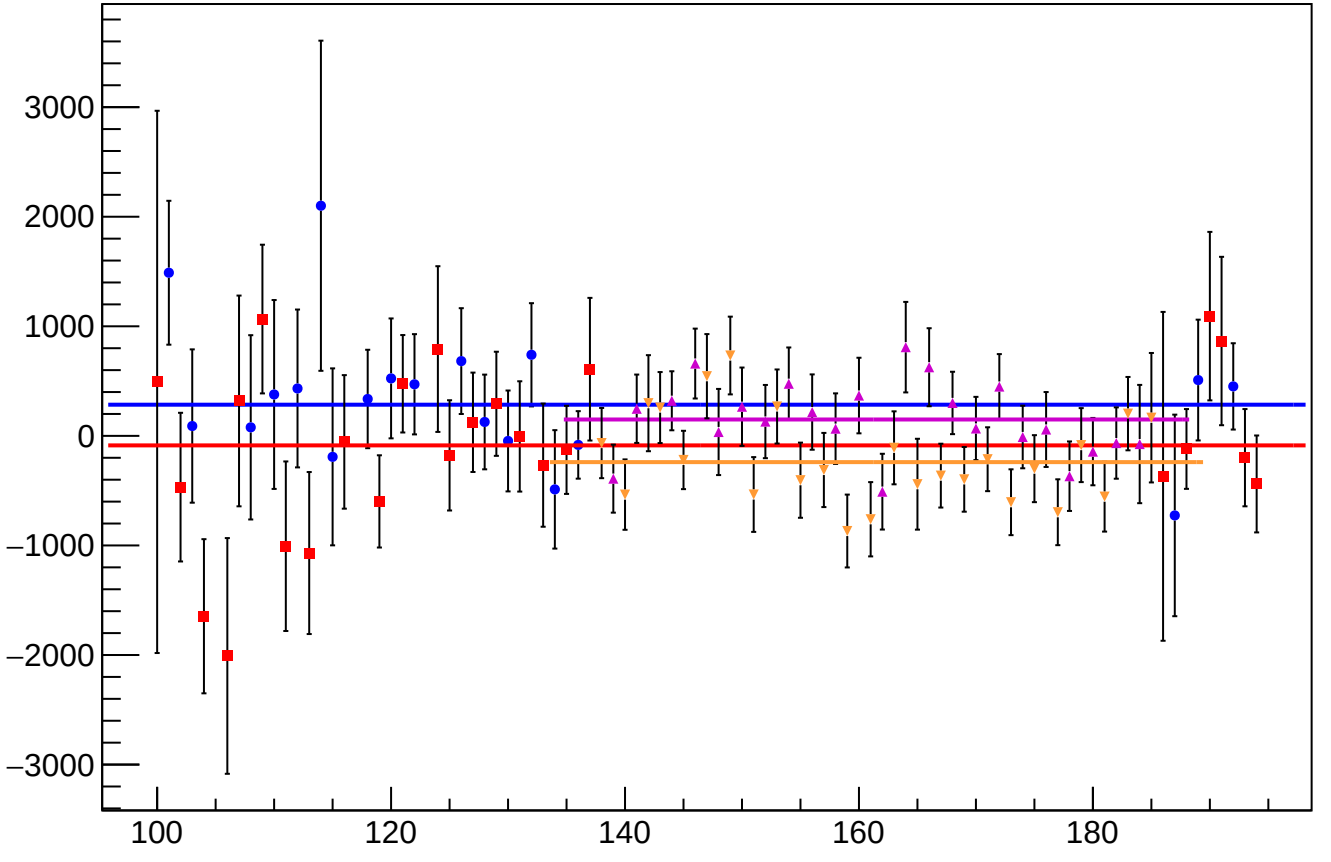
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2160.514+/-0.303 χ^2/NDF: 5522004.8/43

All: 2198.660+/-0.218 χ^2/NDF: 13102915.9/9

- sign 2239.390+/-0.313 χ^2/NDF: 7548196.0/47

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: -86.859+/-113.532 χ^2/NDF: 26.0/24

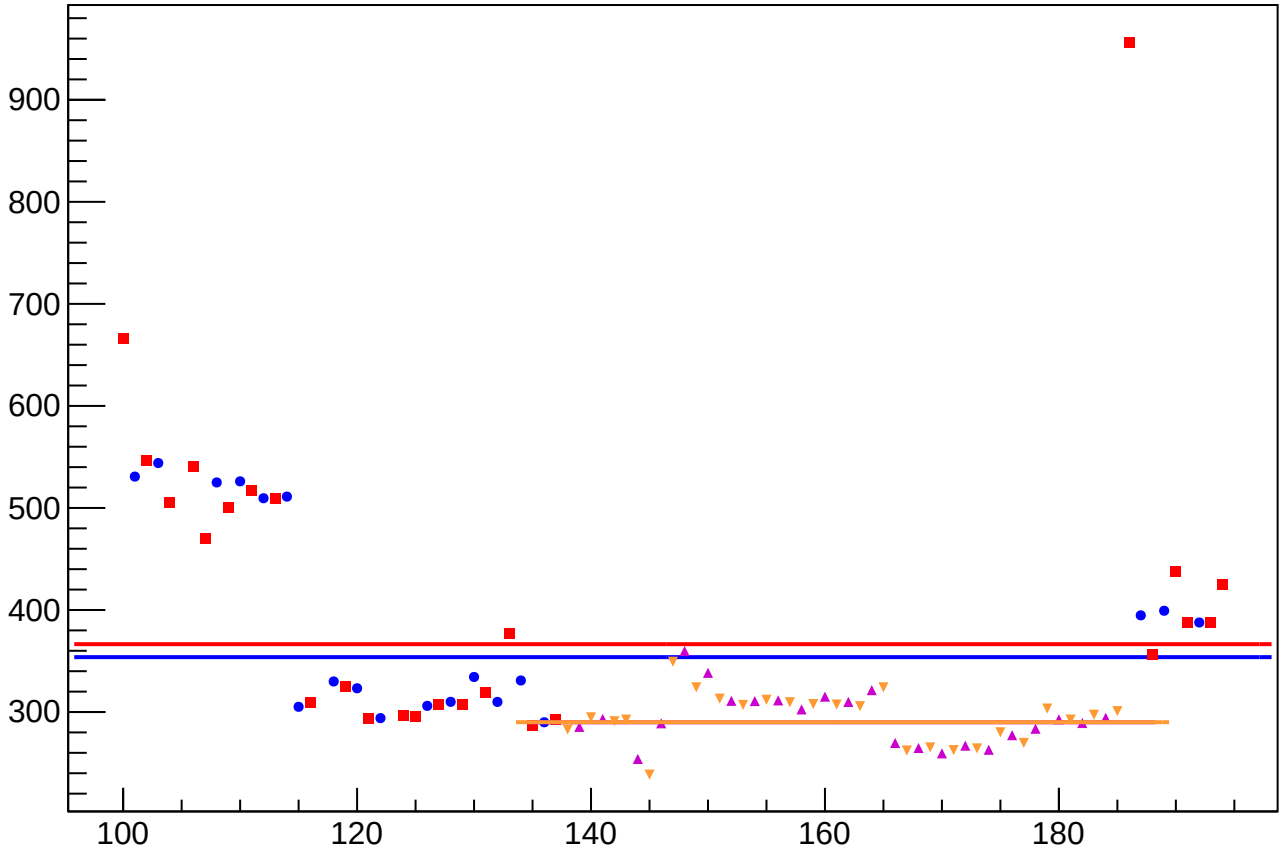
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

\+ sign -119.528+/-58.098 χ^2/NDF: 61.4/43

All: -16.918+/-41.201 χ^2/NDF: 118.5/91

\- sign 86.892+/-58.437 χ^2/NDF: 50.8/47

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: 366.500+/-0.080 χ^2/NDF: 1254722.1/24

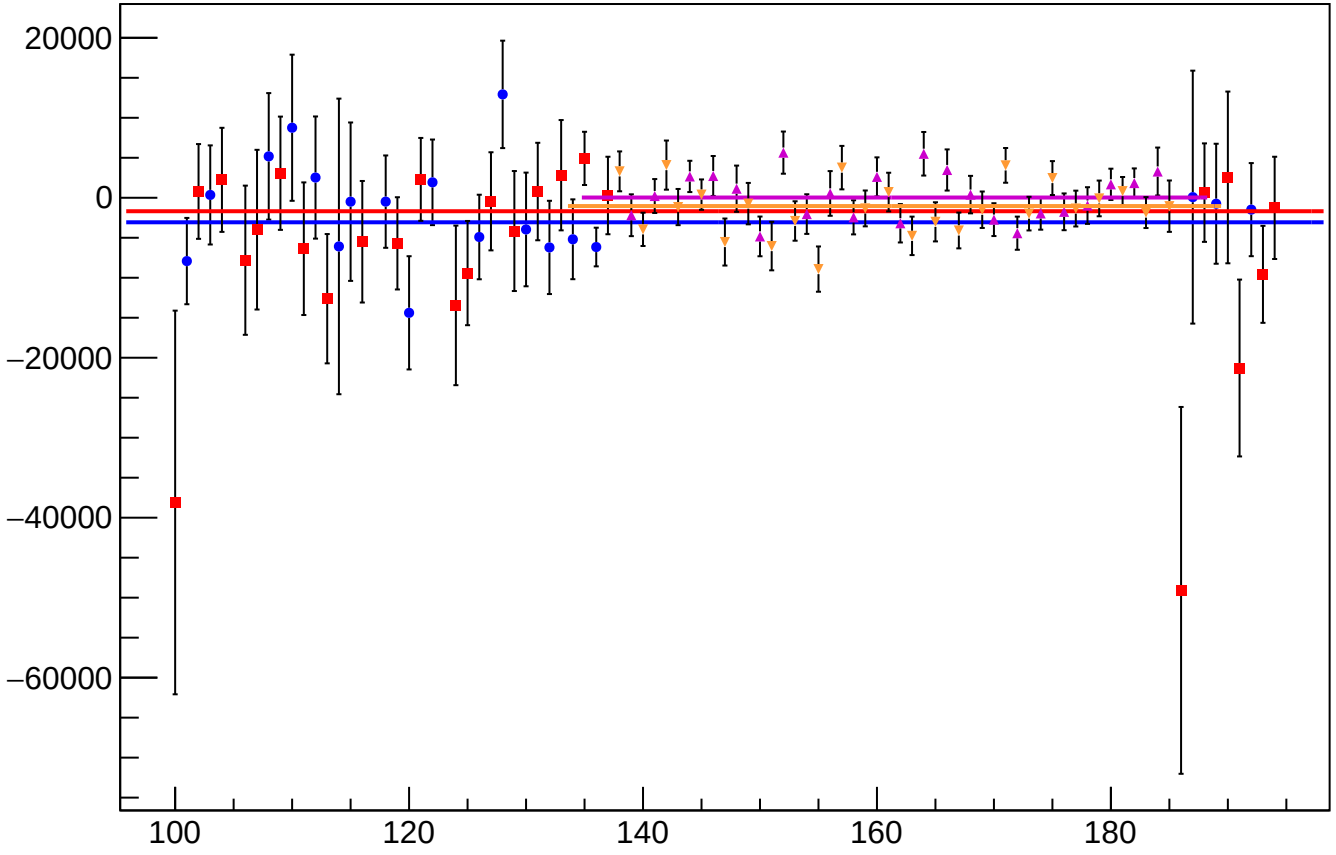
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 304.625+/-0.041 χ^2/NDF: 1513262.8/43

All: 307.408+/-0.029 χ^2/NDF: 3715409.1/91

- sign 310.225+/-0.041 χ^2/NDF: 2192909.8/47

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

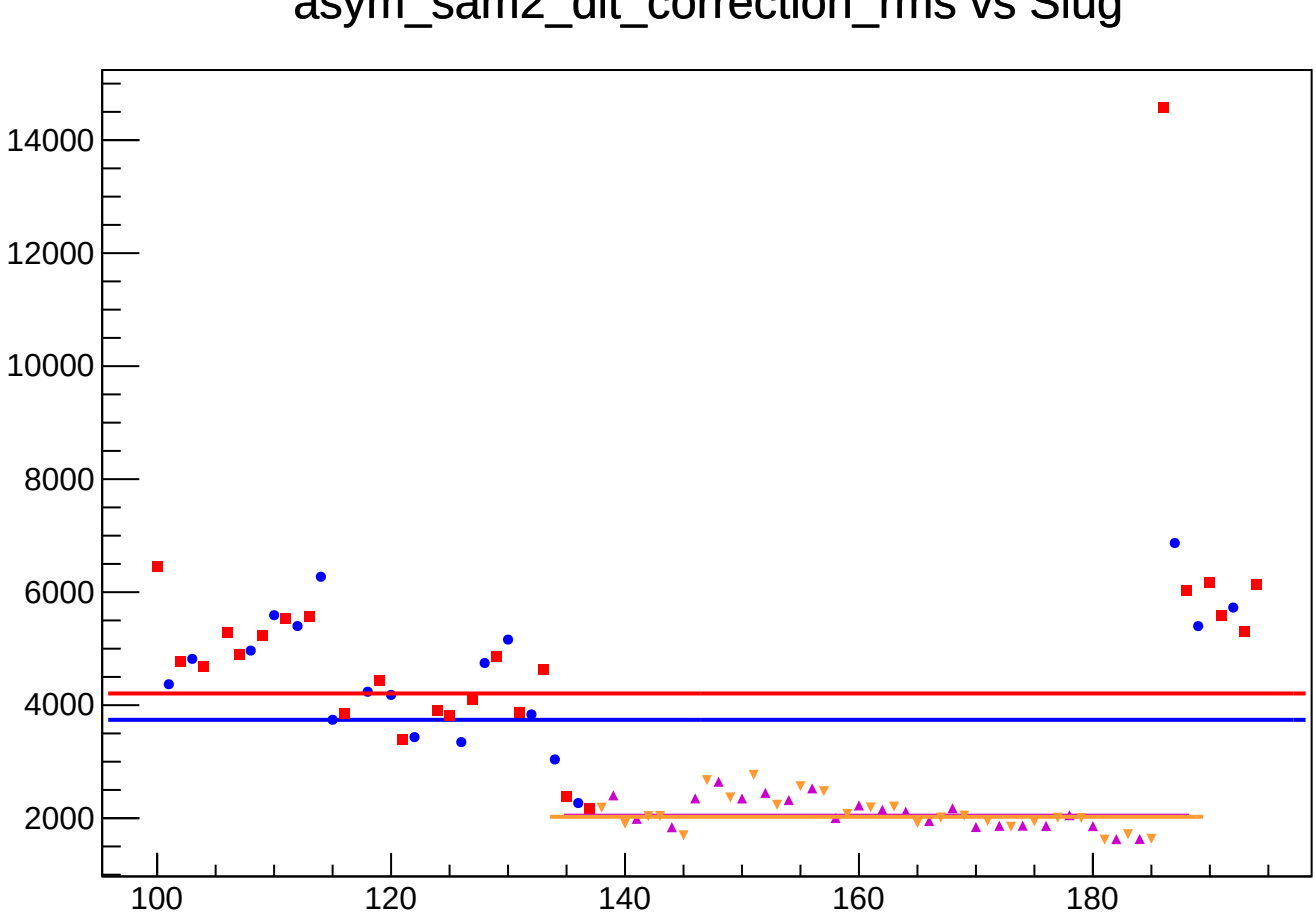
Right Out: -1682.772+/-1329.810 χ^2/NDF: 24.3/24

Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1260.707+/-438.882 χ^2/NDF: 58.7/43

All: -732.469+/-315.339 χ^2/NDF: 121.6/91

- sign -168.744+/-453.385 χ^2/NDF: 59.9/47



Right In: 3740.801+/-0.934 χ^2/NDF: 1706531.6/18

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4207.238+/-0.940 χ^2/NDF: 2212573.6/24

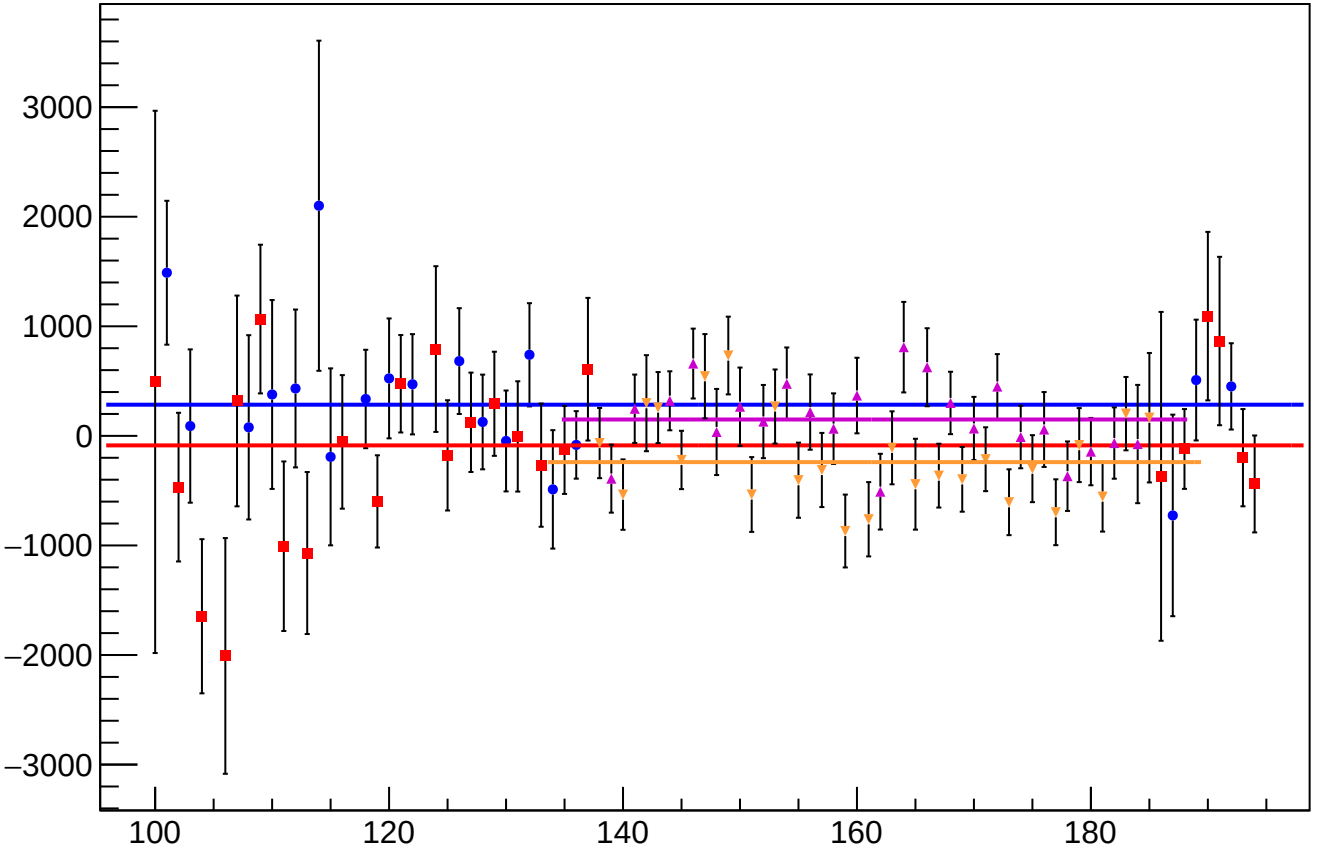
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2214.532+/-0.310 χ^2/NDF: 5409645.5/43

All: 2253.902+/-0.223 χ^2/NDF: 12915430.5/9

- sign 2295.916+/-0.321 χ^2/NDF: 7472516.6/47

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: -86.859+/-113.532 χ^2/NDF: 25.9/24

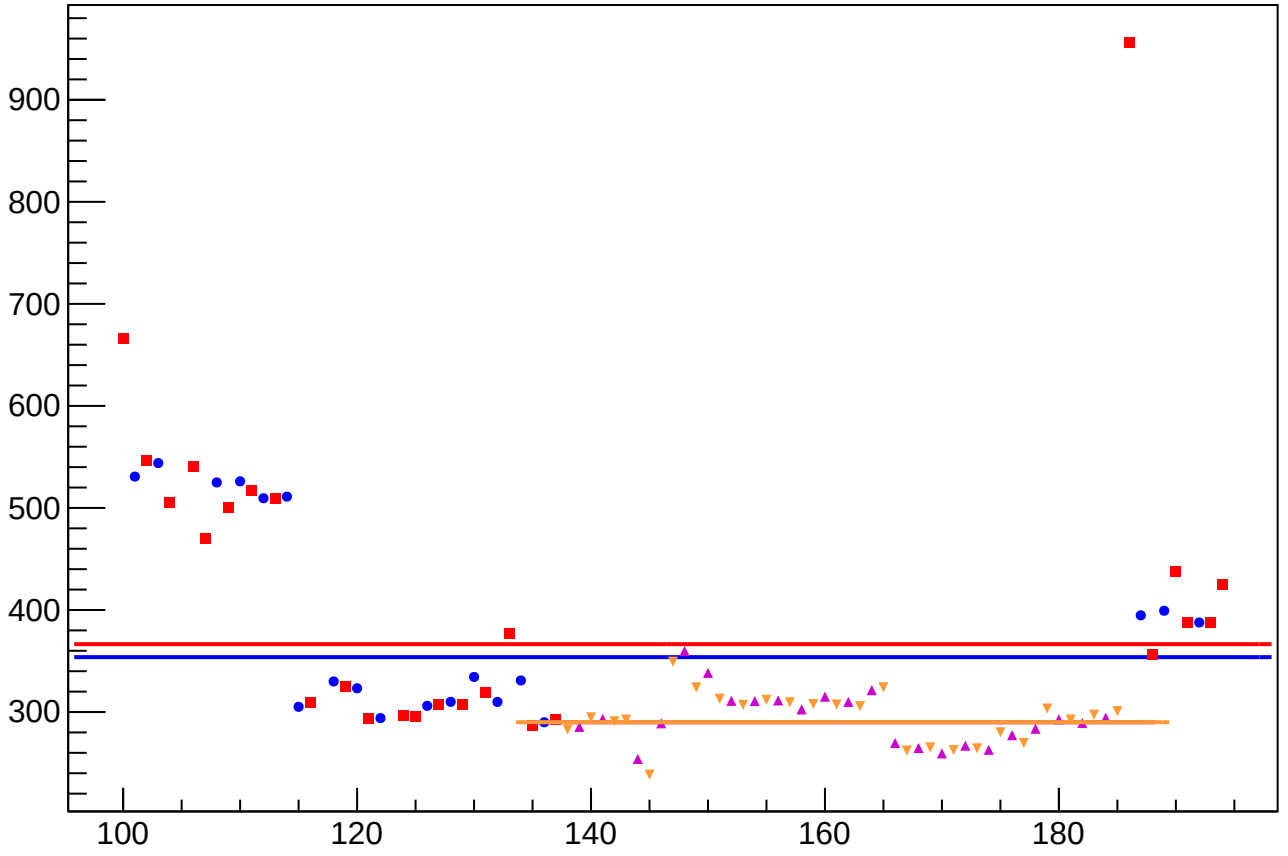
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -119.530+/-58.098 χ^2/NDF: 61.4/43

All: -16.919+/-41.201 χ^2/NDF: 118.5/91

- sign 86.892+/-58.437 χ^2/NDF: 50.8/47

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: 366.499+/-0.080 χ^2/NDF: 1254712.6/24

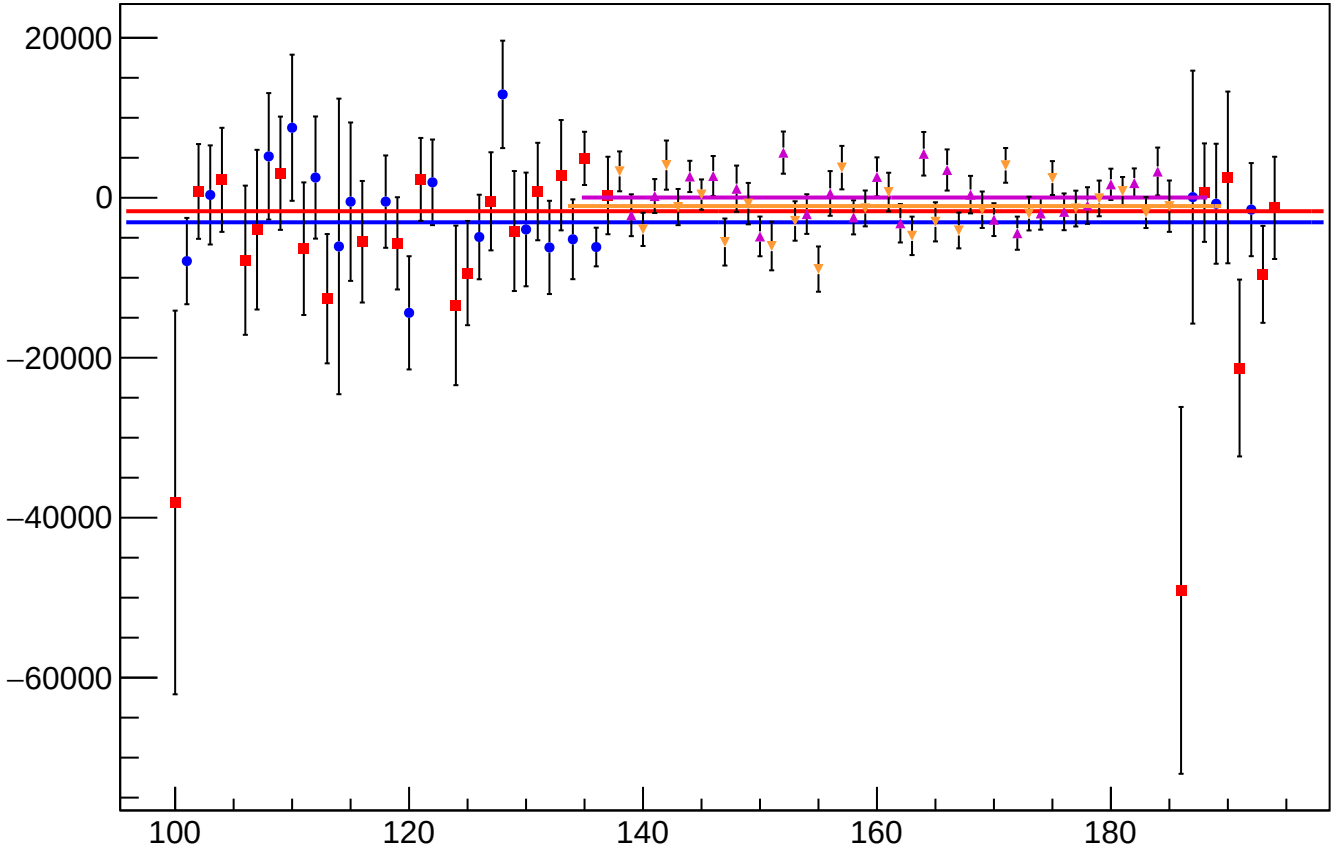
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 304.624+/-0.041 χ^2/NDF: 1513243.7/43

All: 307.408+/-0.029 χ^2/NDF: 3715370.3/91

- sign 310.224+/-0.041 χ^2/NDF: 2192889.8/47

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3066.266+/-1320.767 χ^2/NDF: 16.3/18

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -1682.774+/-1329.808 χ^2/NDF: 24.3/24

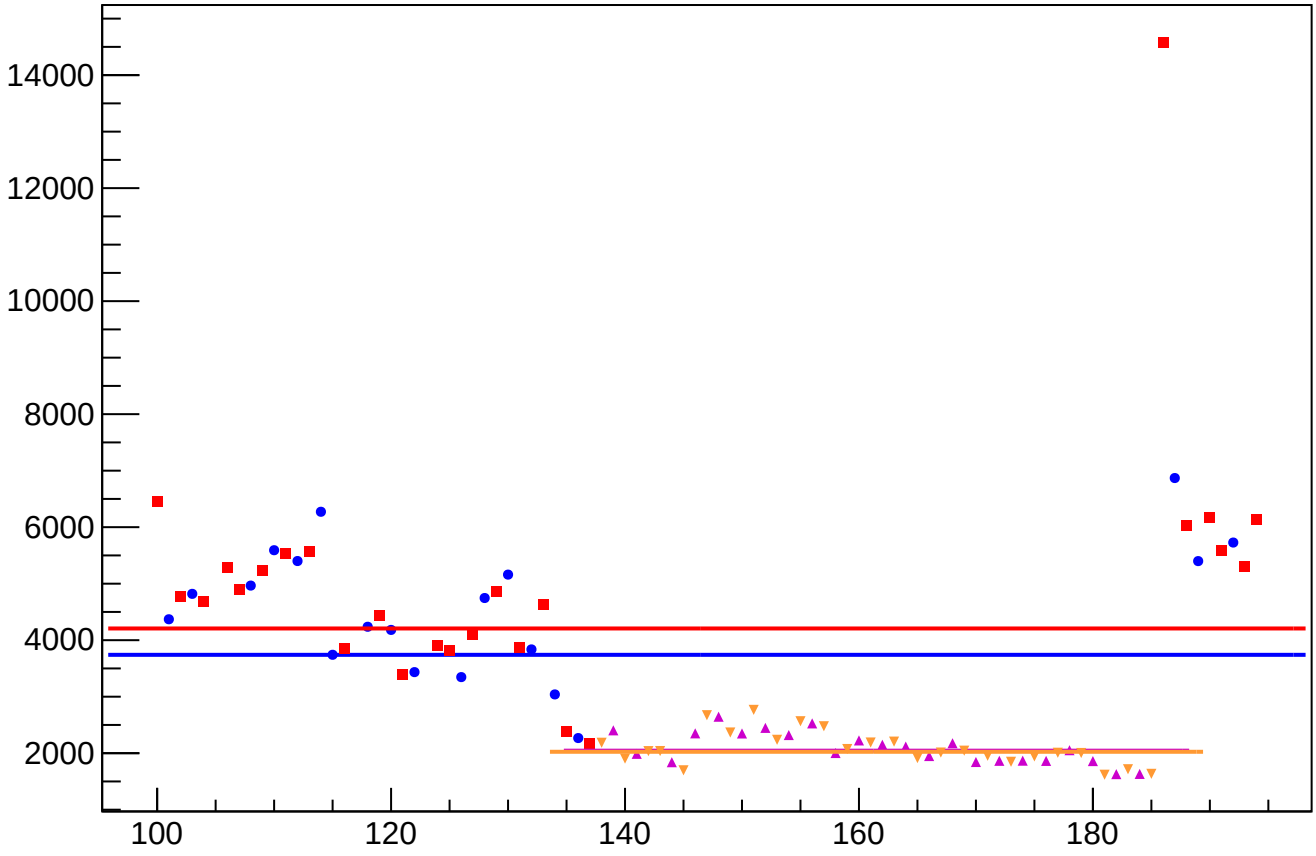
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1260.706+/-438.882 χ^2/NDF: 58.7/43

All: -732.469+/-315.339 χ^2/NDF: 121.6/91

- sign -168.746+/-453.385 χ^2/NDF: 59.9/47

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: 4207.233+/-0.940 χ^2/NDF: 2212567.1/24

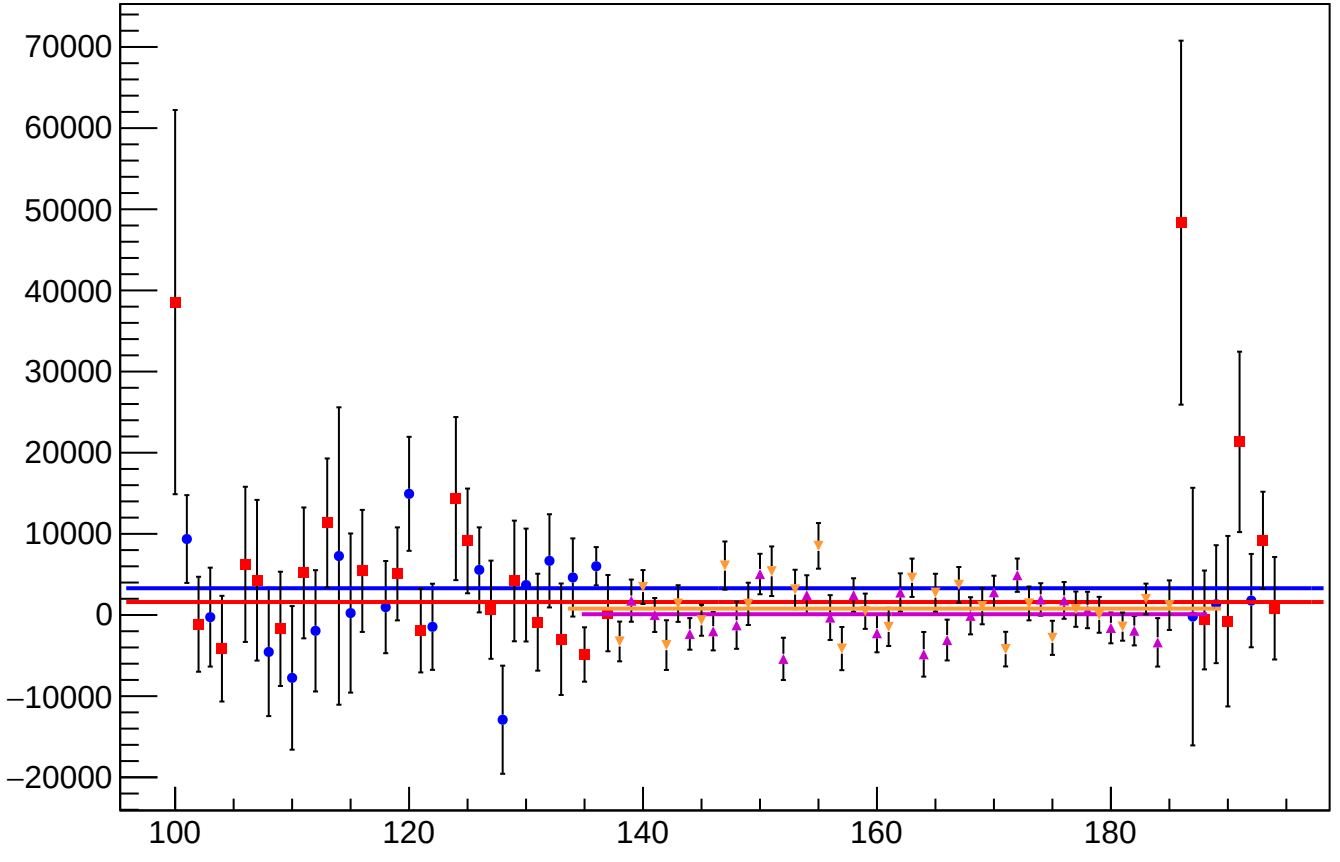
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2214.533+/-0.310 χ^2/NDF: 5409630.5/43

All: 2253.902+/-0.223 χ^2/NDF: 12915403.7/9

- sign 2295.916+/-0.321 χ^2/NDF: 7472505.3/47

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: 1600.282+/-1318.800 χ^2/NDF: 23.6/24

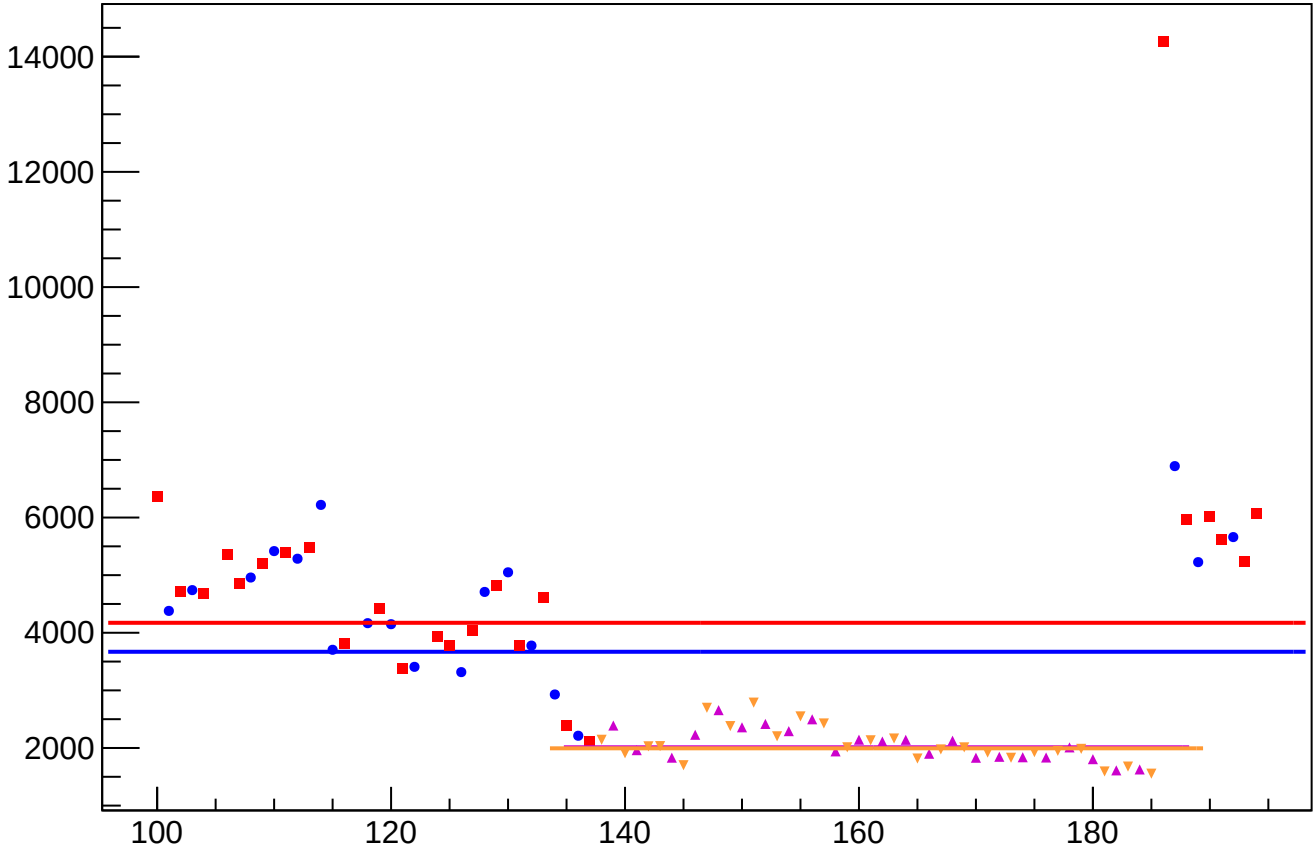
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1067.030+/-432.512 χ^2/NDF: 61.2/43

All: 681.066+/-310.744 χ^2/NDF: 120.4/91

- sign 269.271+/-446.751 χ^2/NDF: 57.6/47

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

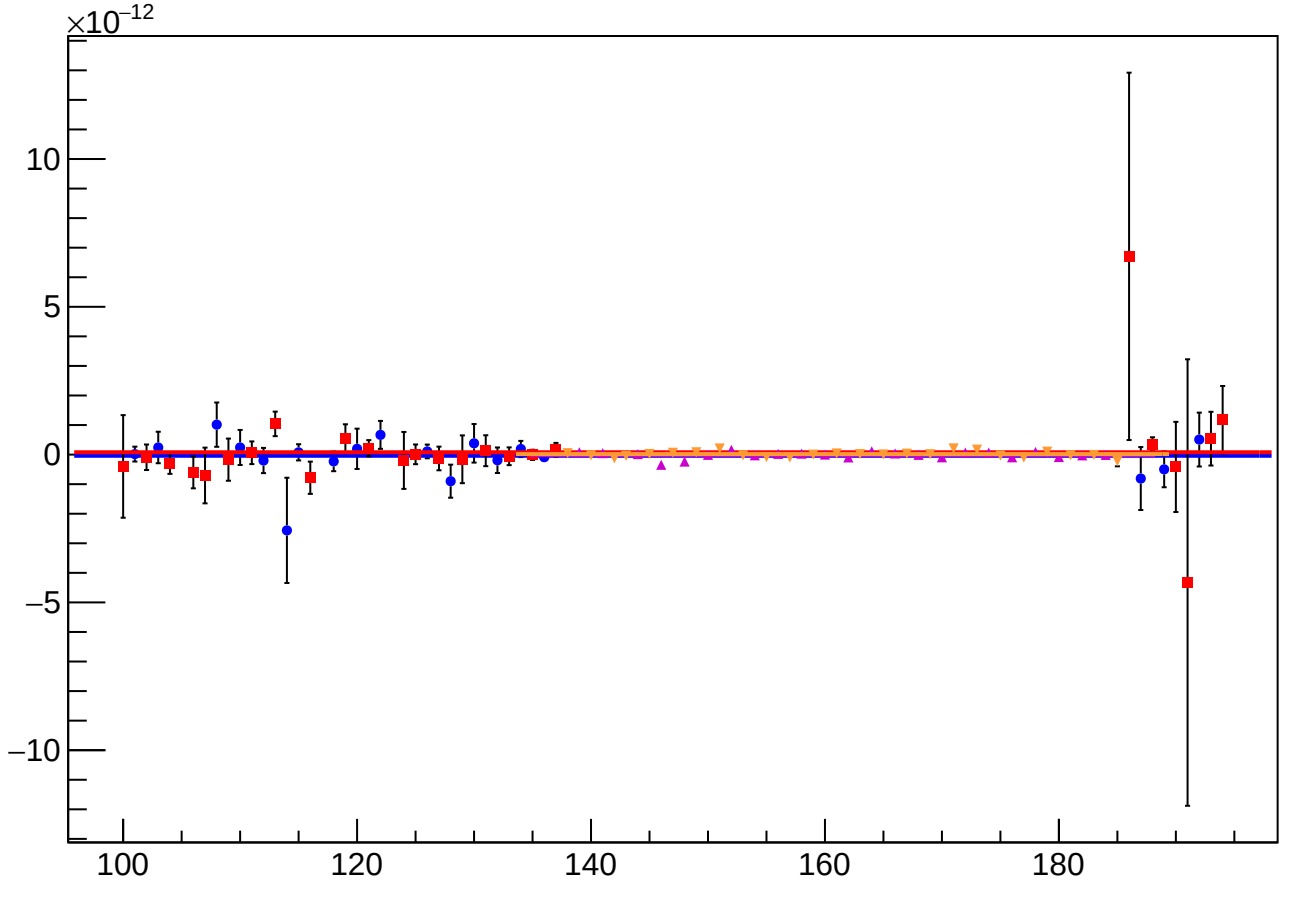
Right Out: 4173.042+/-0.933 χ^2/NDF: 2188637.6/24

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2180.304+/-0.306 χ^2/NDF: 5459123.9/43

All: 2219.154+/-0.220 χ^2/NDF: 13019362.7/9

- sign 2260.603+/-0.316 χ^2/NDF: 7526885.7/47



Right In: -0.000+/-0.000 χ^2/NDF: 13.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/24

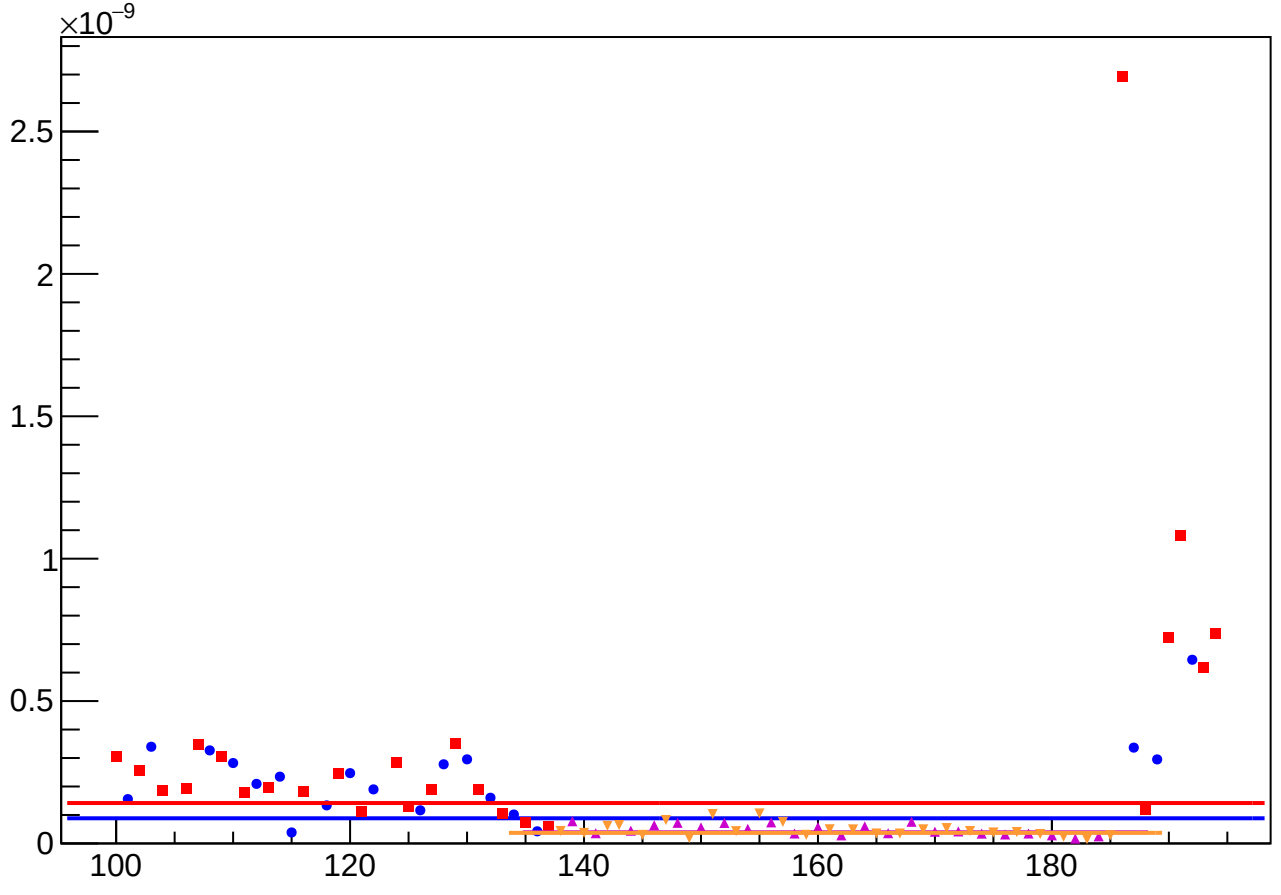
Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/43

All: 0.000+/-0.000 χ^2/NDF: 86.8/91

- sign -0.000+/-0.000 χ^2/NDF: 50.0/47

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: 3187406.0/24

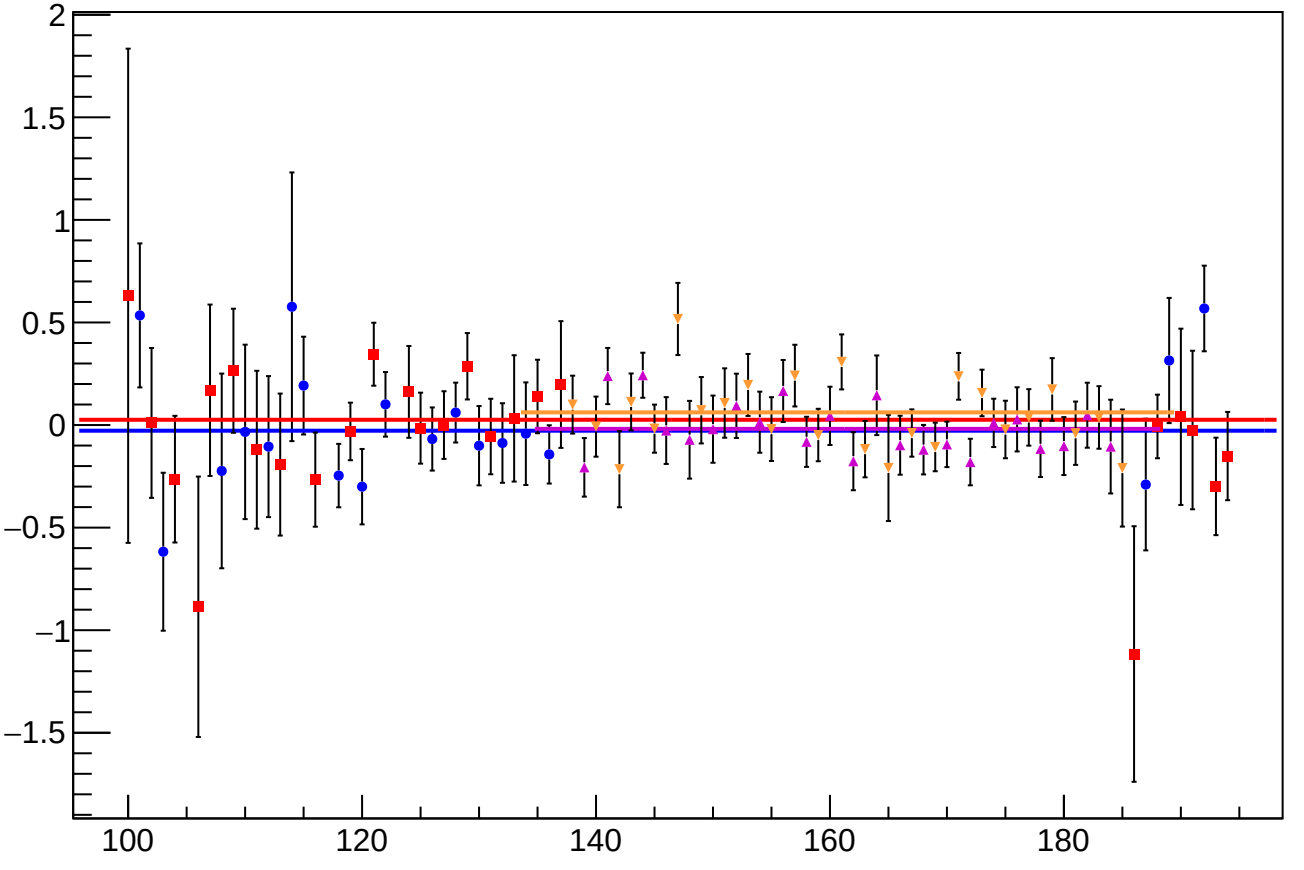
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7486698.8/43

All: 0.000+/-0.000 χ^2/NDF: 15872628.6/91

- sign 0.000+/-0.000 χ^2/NDF: 8349313.0/47

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: 0.026+/-0.046 χ^2/NDF: 20.5/24

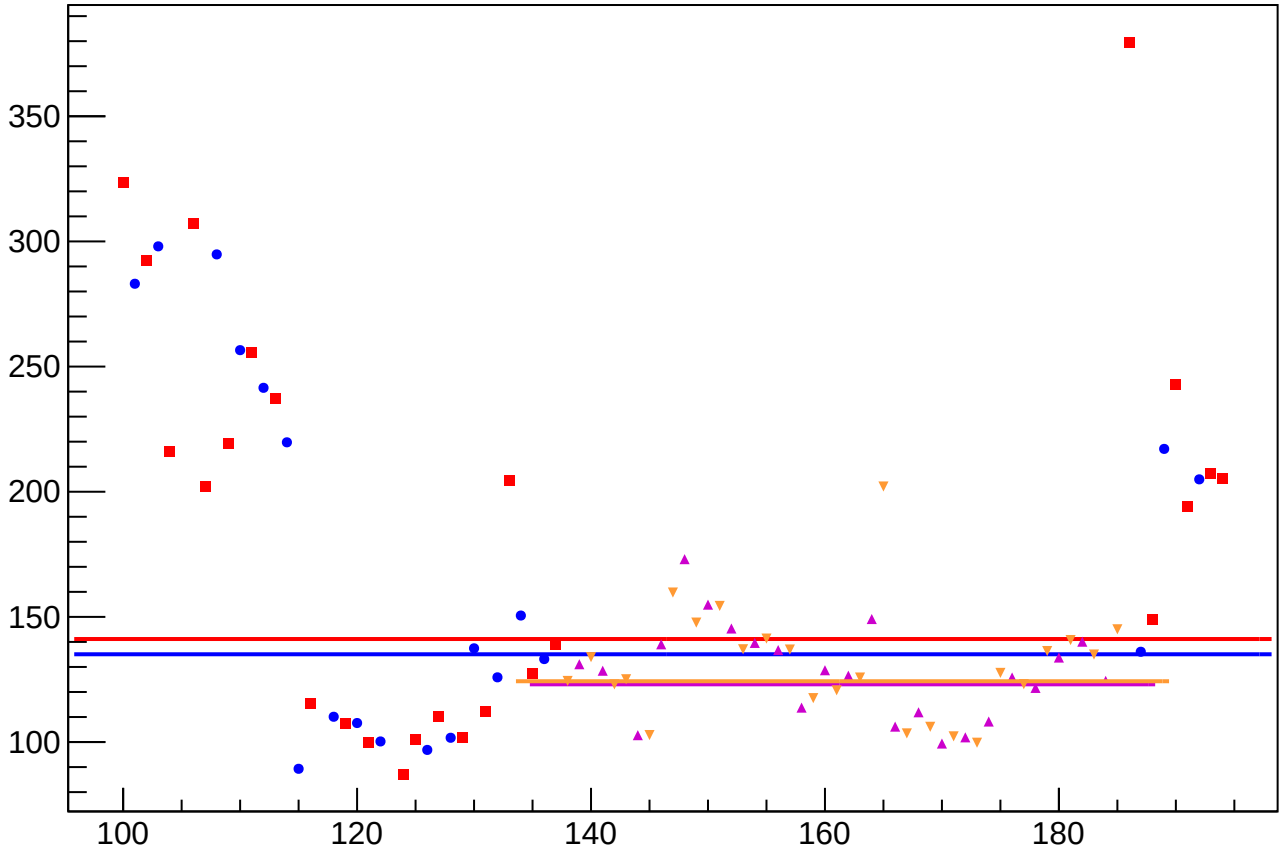
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.025 χ^2/NDF: 53.0/43

All: 0.016+/-0.017 χ^2/NDF: 96.2/91

- sign -0.006+/-0.025 χ^2/NDF: 41.5/47

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

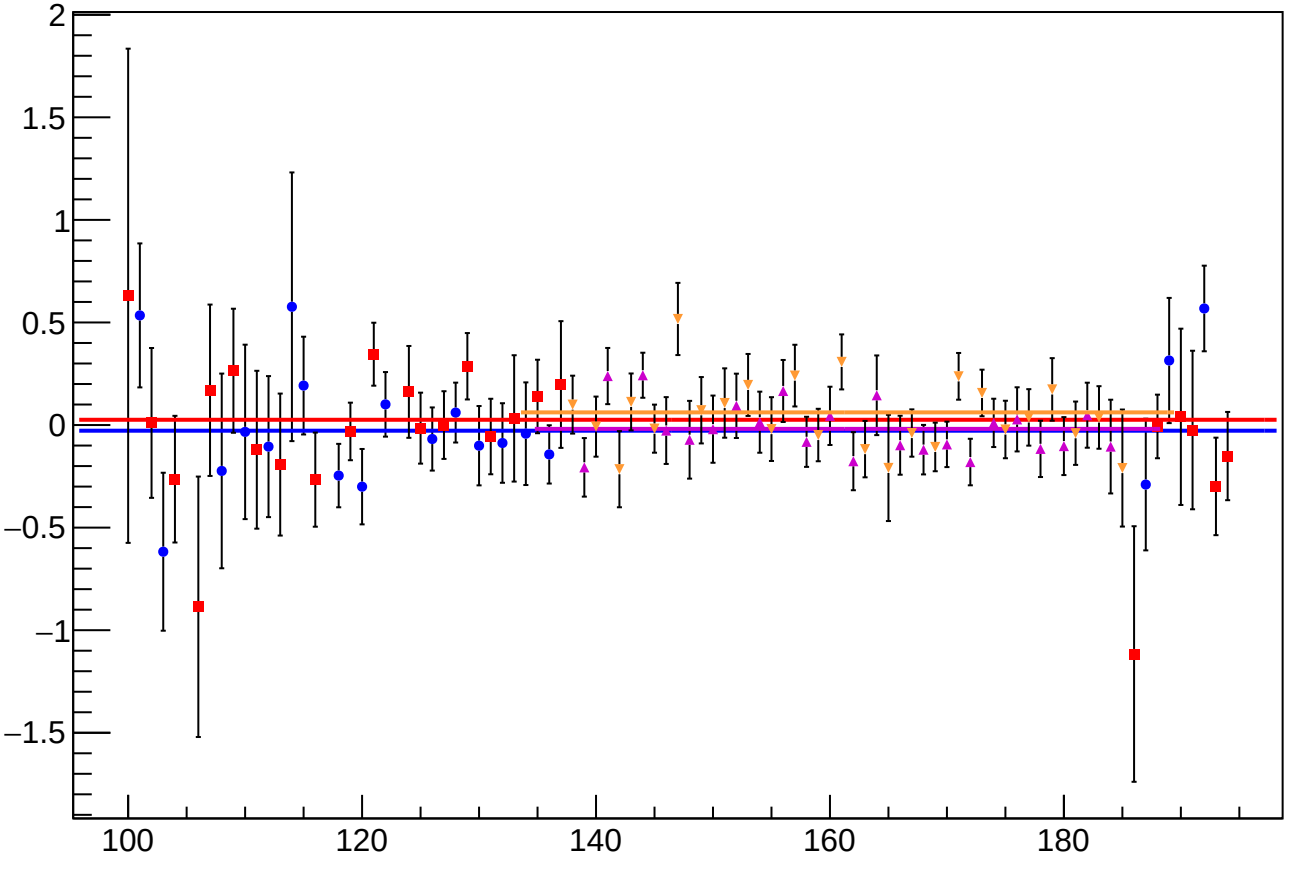
Right Out: 141.162+/-0.033 χ^2/NDF: 2773673.3/24

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 127.042+/-0.018 χ^2/NDF: 3120390.2/43

All: 127.661+/-0.012 χ^2/NDF: 6834994.0/91

- sign 128.280+/-0.017 χ^2/NDF: 3712099.4/47



Right In: -0.028+/-0.049 χ^2/NDF: 23.1/18

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.026+/-0.046 χ^2/NDF: 20.5/24

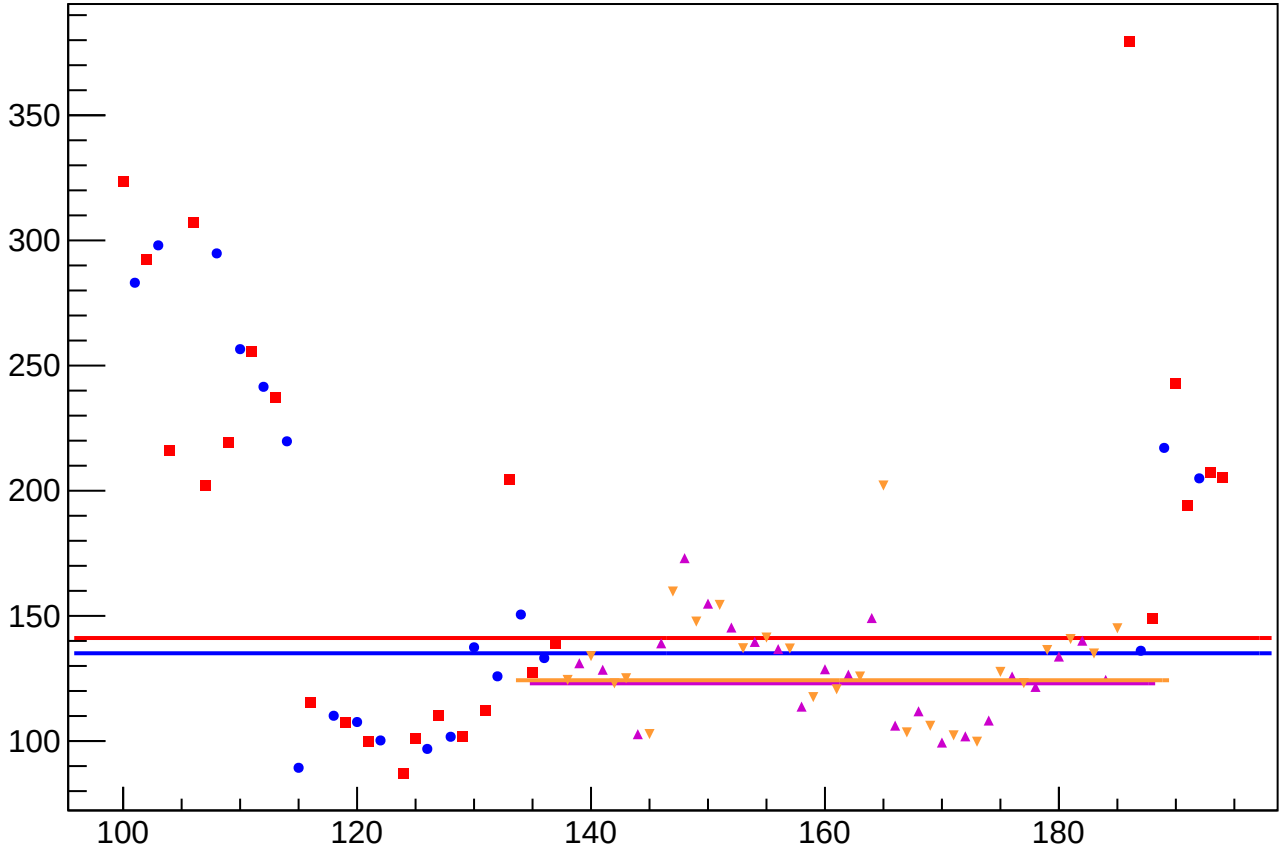
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.025 χ^2/NDF: 53.0/43

All: 0.016+/-0.017 χ^2/NDF: 96.2/91

- sign -0.006+/-0.025 χ^2/NDF: 41.5/47

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: 141.162+/-0.033 χ^2/NDF: 2773673.3/24

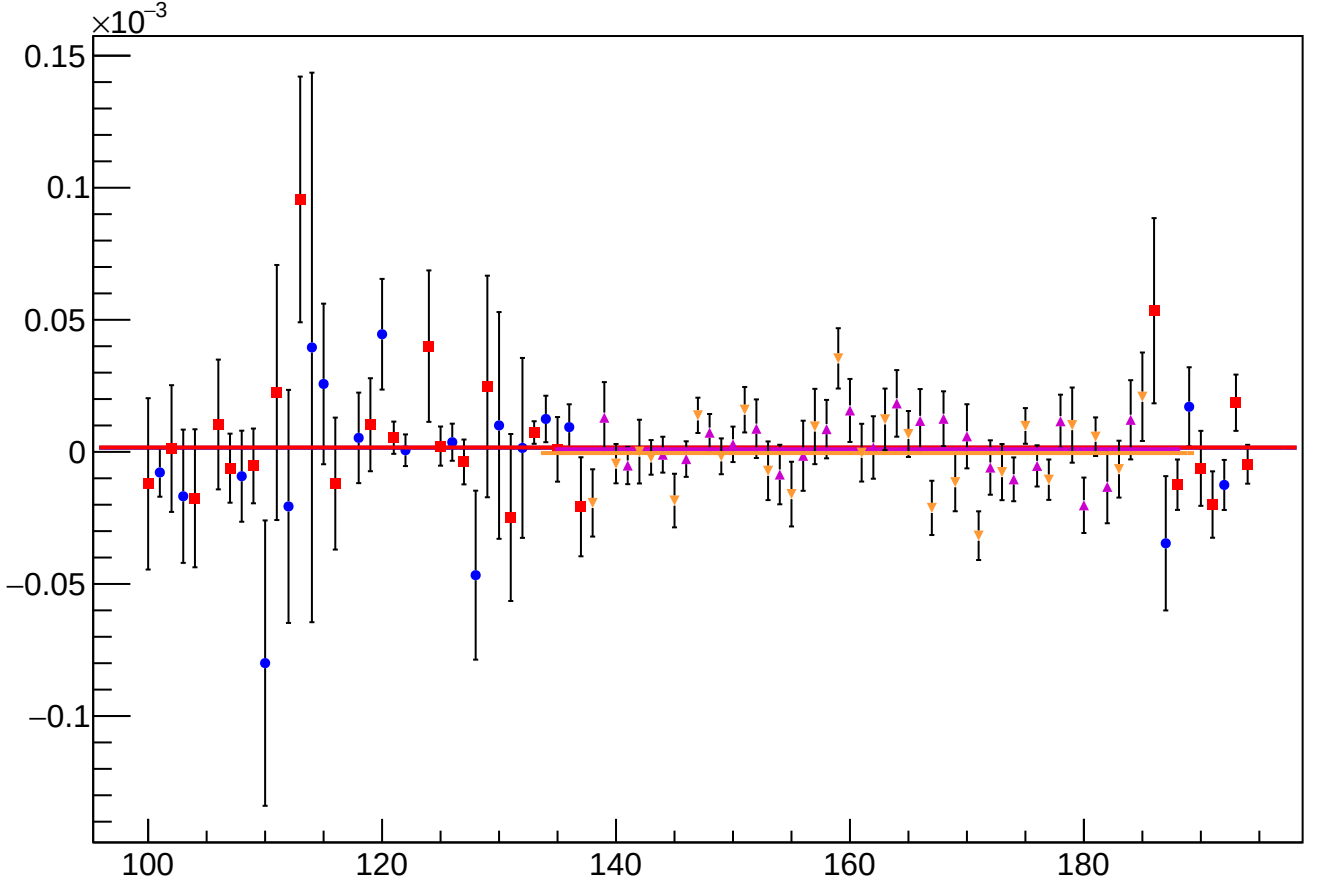
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

\+ sign 127.042+/-0.018 χ^2/NDF: 3120390.2/43

All: 127.661+/-0.012 χ^2/NDF: 6834994.0/91

\- sign 128.280+/-0.017 χ^2/NDF: 3712099.4/47

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: 23.9/24

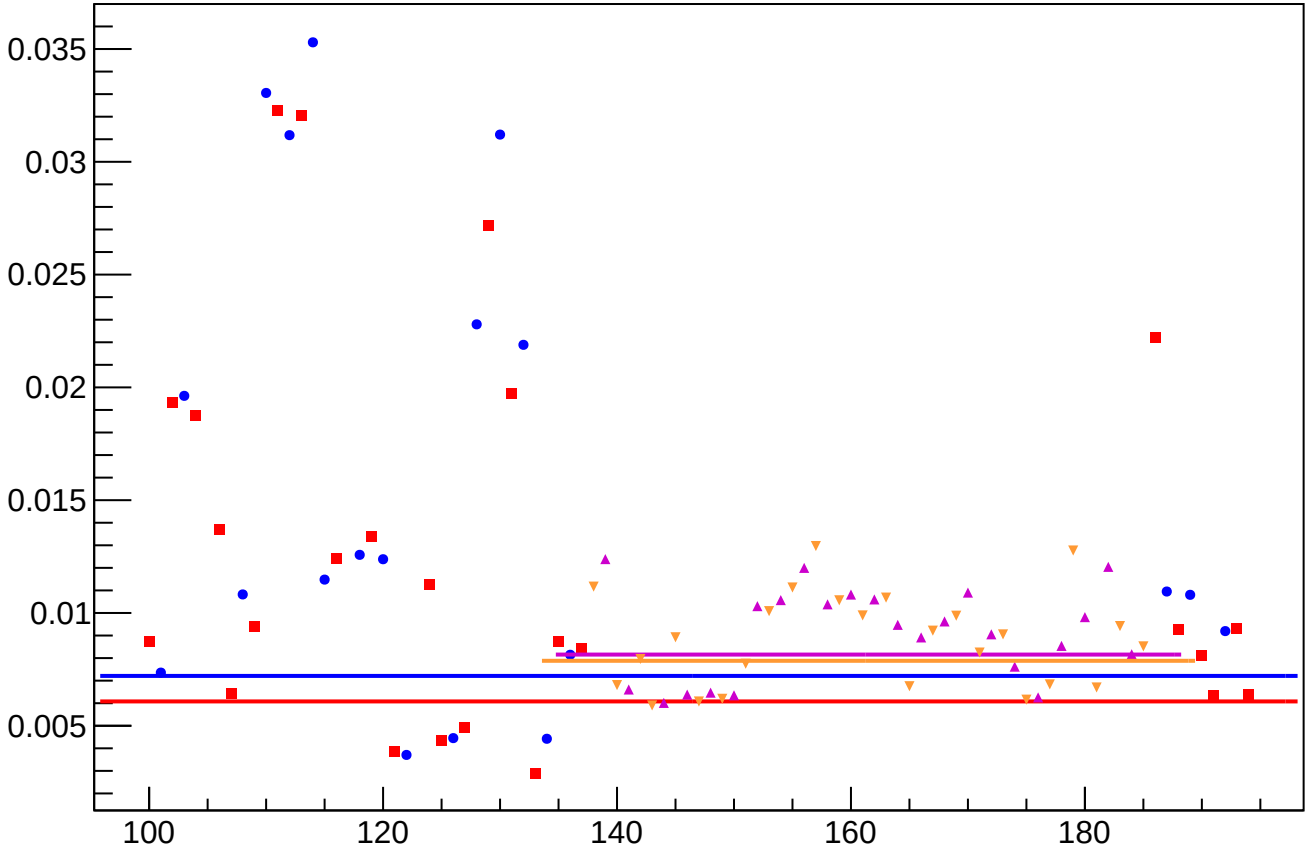
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.4/43

All: 0.000+/-0.000 χ^2/NDF: 116.6/91

- sign 0.000+/-0.000 χ^2/NDF: 43.9/47

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: 6569479.4/24

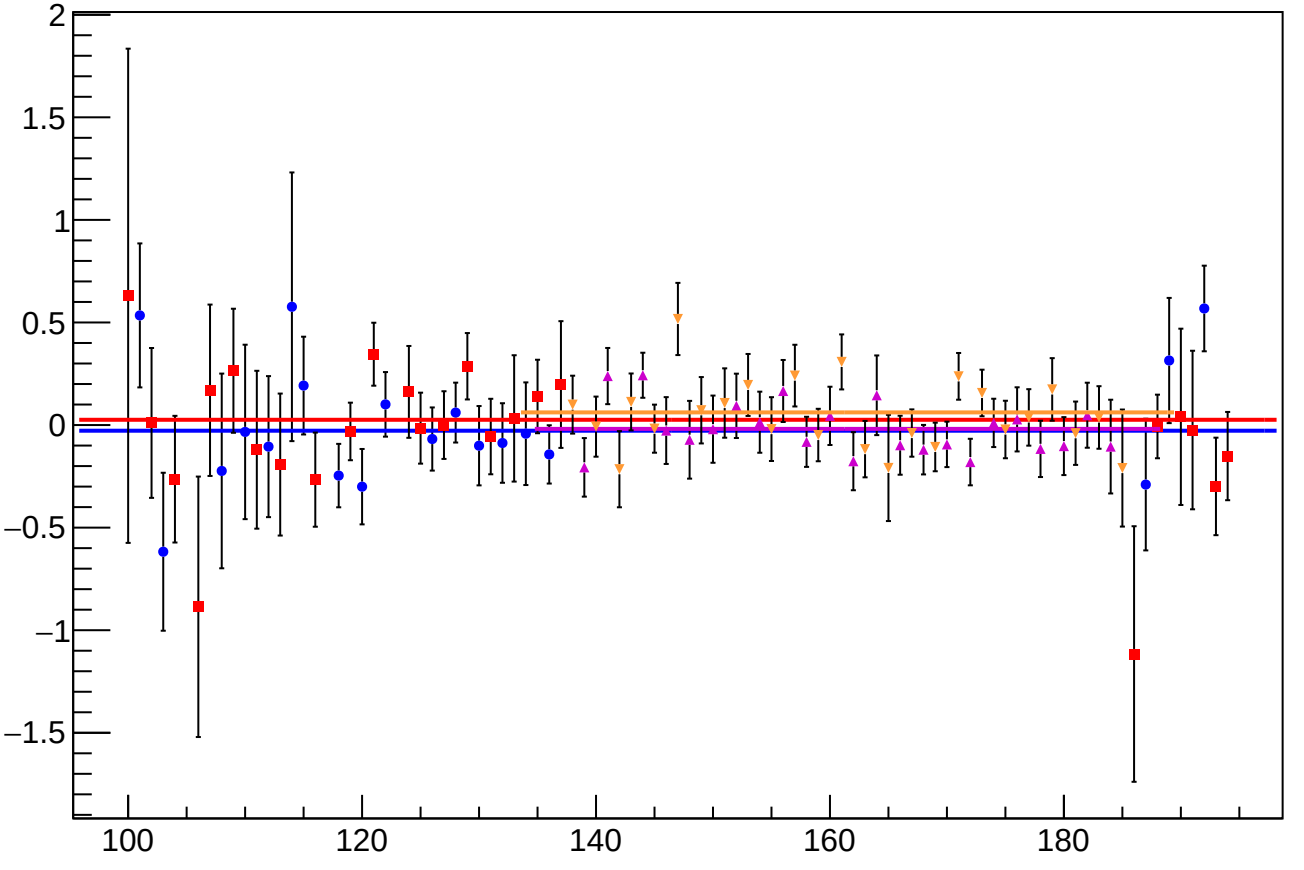
Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7209730.1/43

All: 0.007+/-0.000 χ^2/NDF: 16843506.1/91

- sign 0.007+/-0.000 χ^2/NDF: 9549486.2/47

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: 0.026+/-0.046 χ^2/NDF: 20.5/24

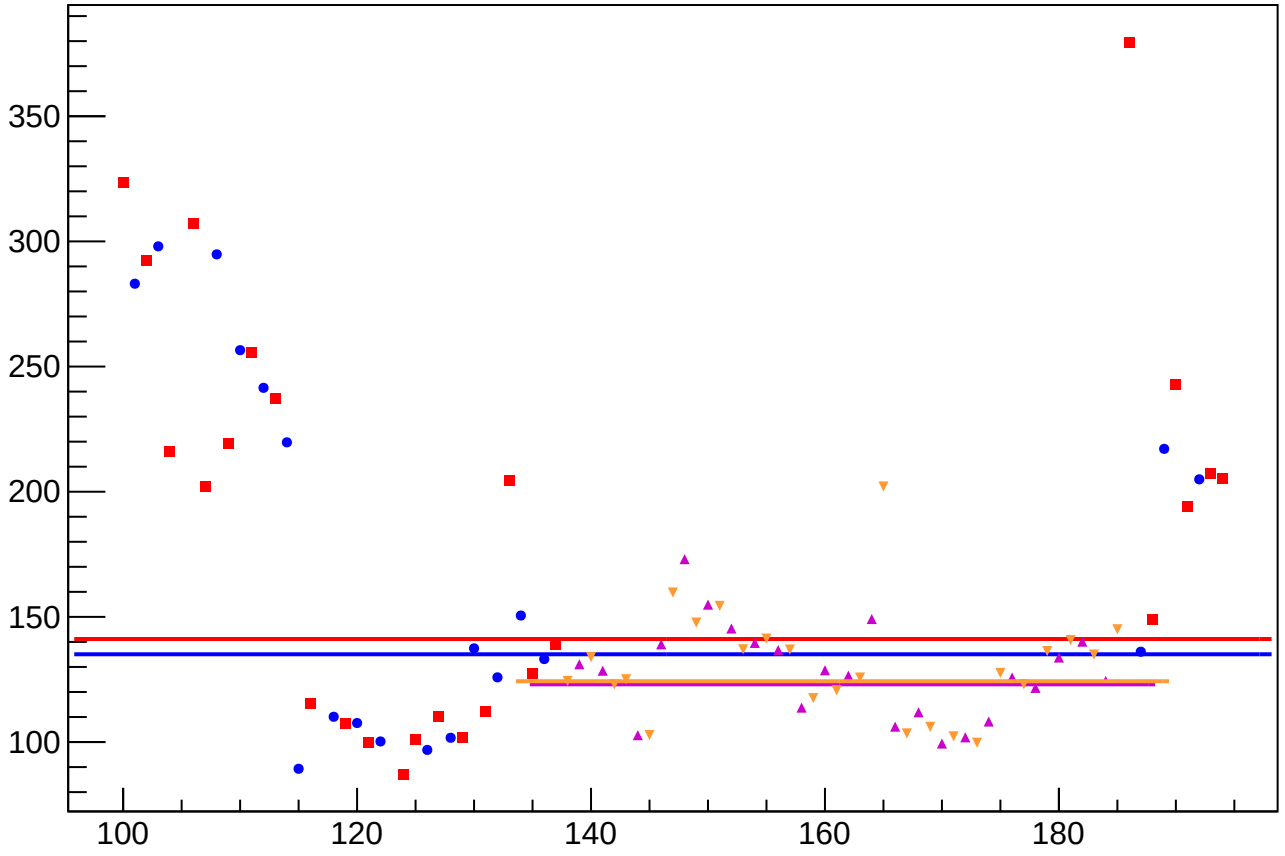
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.025 χ^2/NDF: 53.0/43

All: 0.016+/-0.017 χ^2/NDF: 96.2/91

- sign -0.006+/-0.025 χ^2/NDF: 41.5/47

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

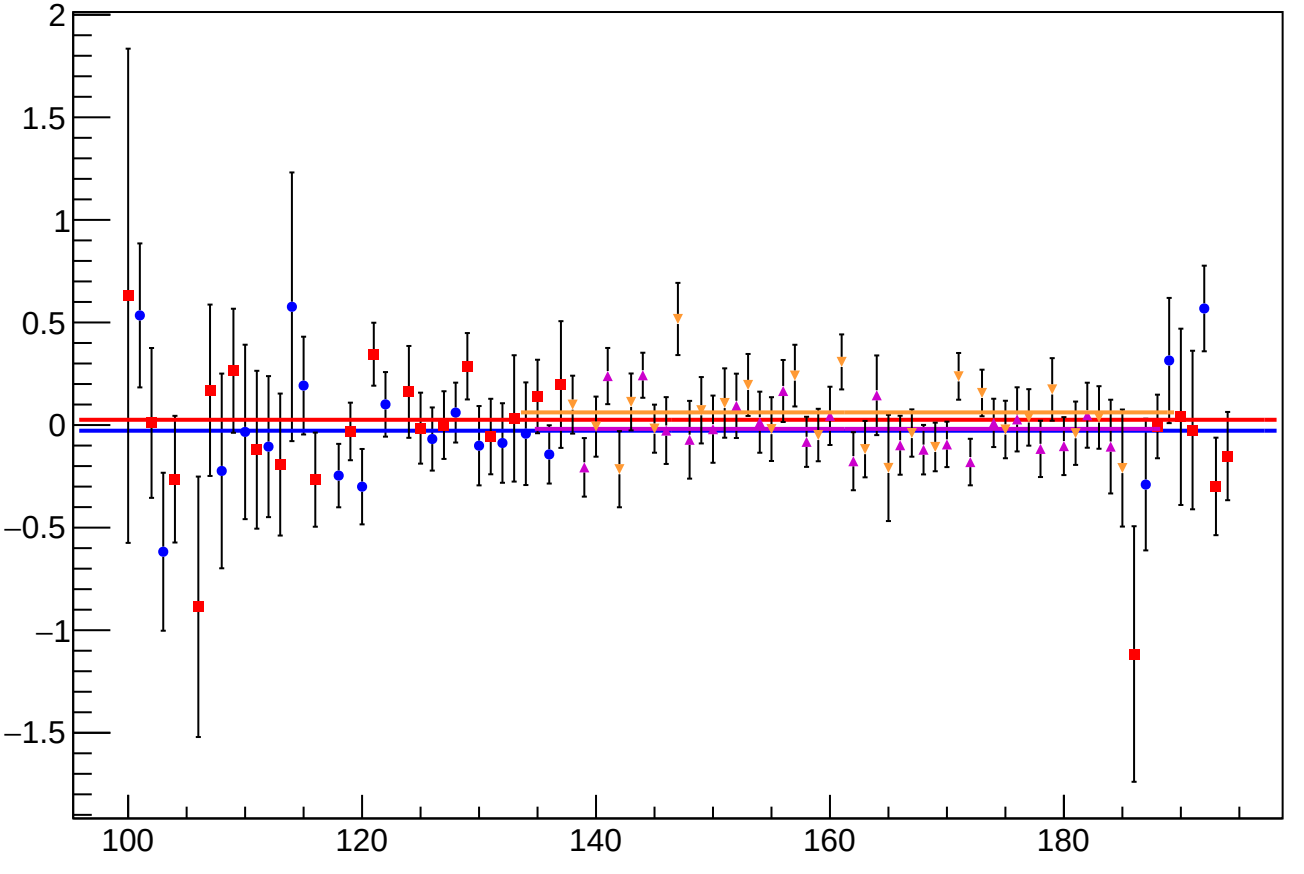
Right Out: 141.160+/-0.033 χ^2/NDF: 2773721.6/24

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 127.041+/-0.018 χ^2/NDF: 3120394.1/43

All: 127.661+/-0.012 χ^2/NDF: 6835012.9/91

- sign 128.280+/-0.017 χ^2/NDF: 3712114.7/47



Right In: -0.028+/-0.049 χ^2/NDF: 23.1/18

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

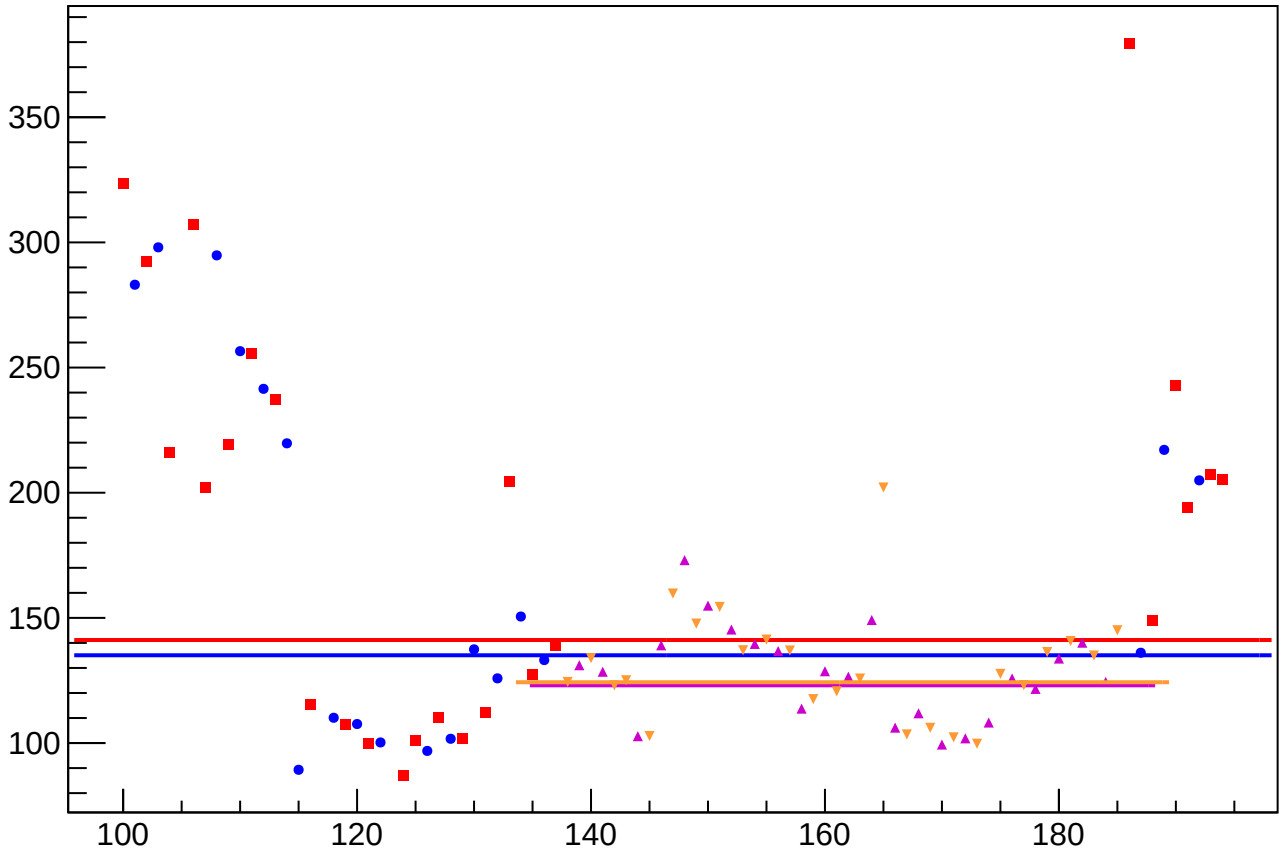
Right Out: 0.026+/-0.046 χ^2/NDF: 20.5/24

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.039+/-0.025 χ^2/NDF: 53.0/43

All: 0.016+/-0.017 χ^2/NDF: 96.2/91

- sign -0.006+/-0.025 χ^2/NDF: 41.5/47



Right In: 135.066+/-0.035 χ^2/NDF: 2207333.8/18

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

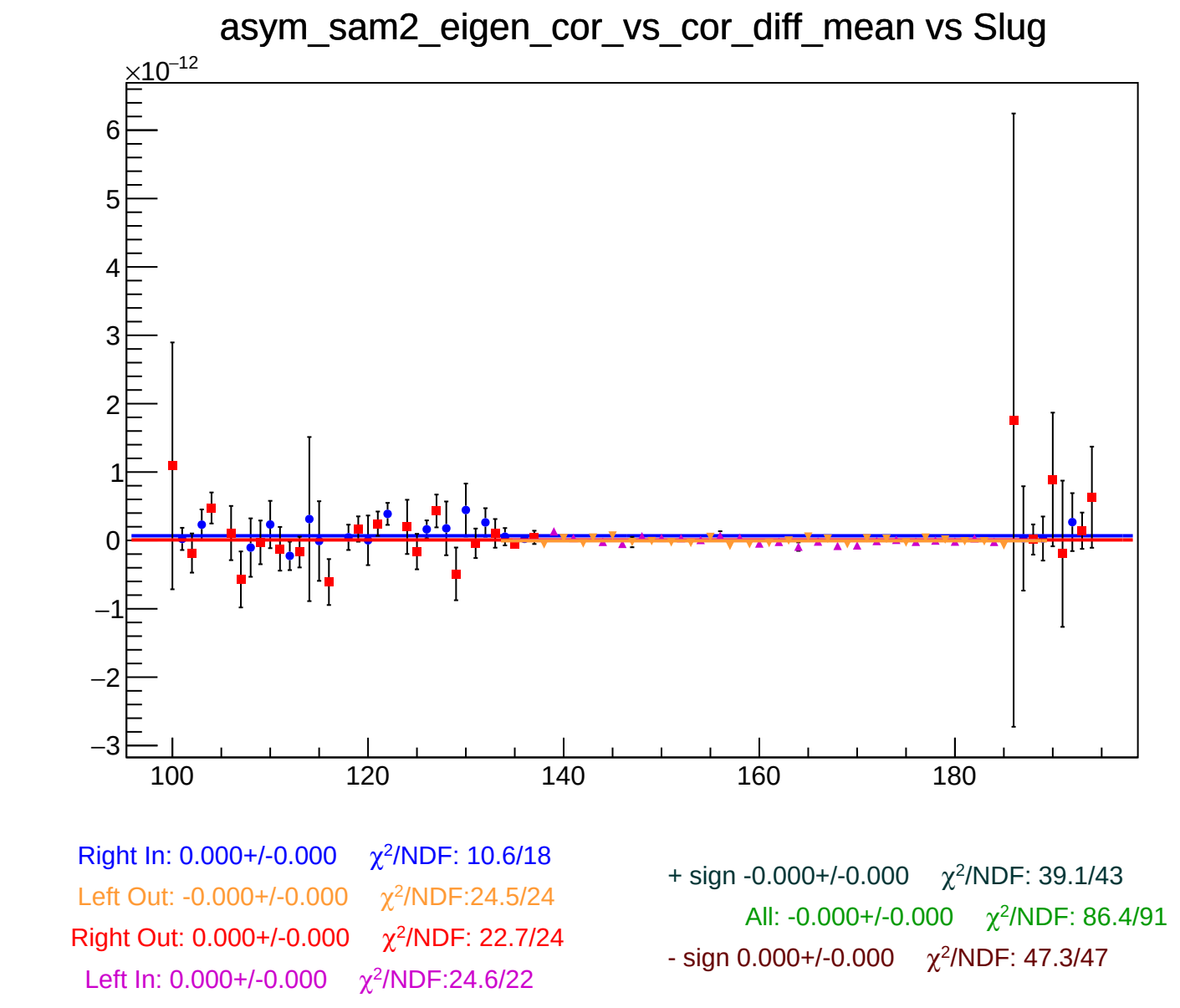
Right Out: 141.160+/-0.033 χ^2/NDF: 2773721.6/24

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

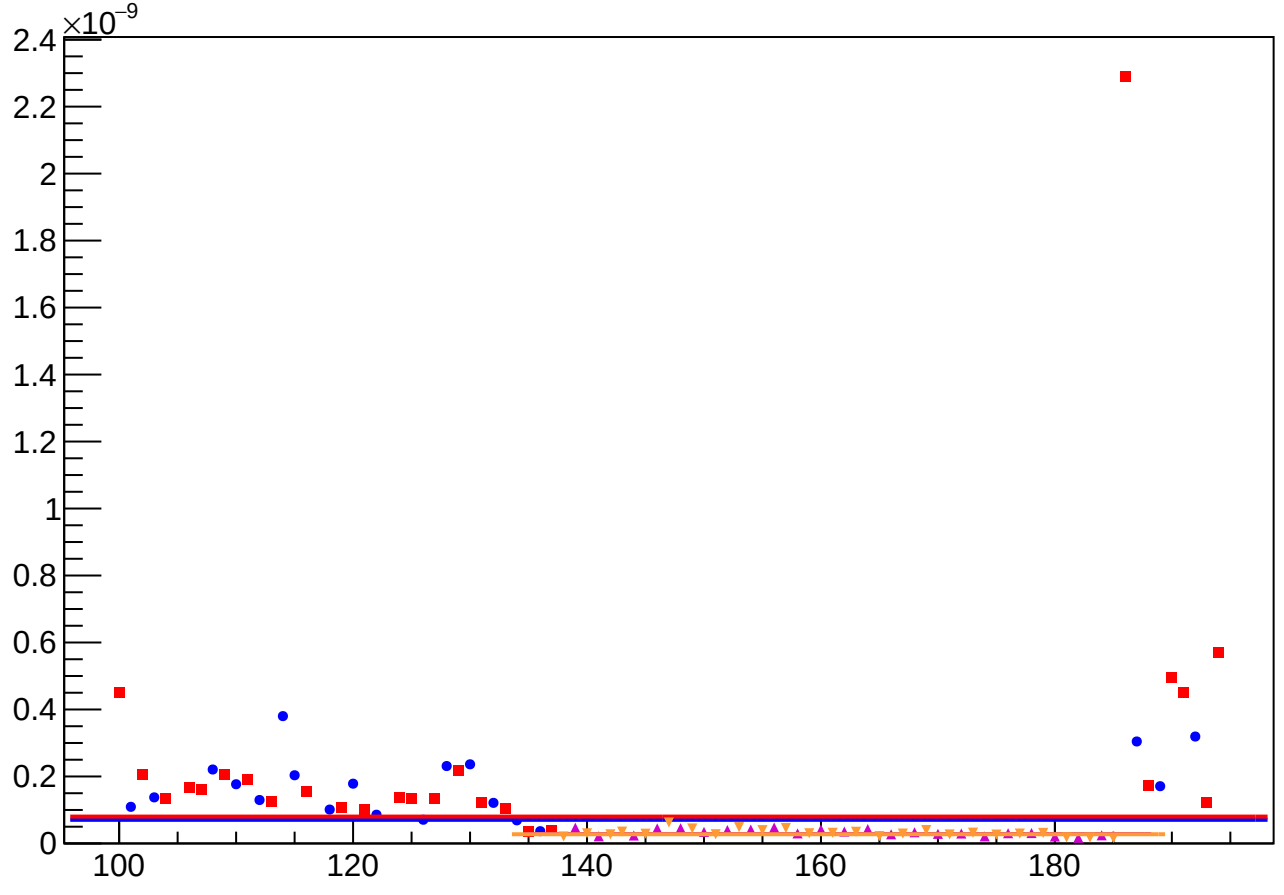
\+ sign 127.041+/-0.018 χ^2/NDF: 3120394.1/43

All: 127.661+/-0.012 χ^2/NDF: 6835012.9/91

\- sign 128.280+/-0.017 χ^2/NDF: 3712114.7/47


asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
6
5
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 10.6/18
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.7/24
Left In: 0.000+/-0.000 χ²/NDF:24.6/22
+ sign -0.000+/-0.000 χ²/NDF: 39.1/43
All: -0.000+/-0.000 χ²/NDF: 86.4/91
- sign 0.000+/-0.000 χ²/NDF: 47.3/47

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: 6073316.8/24

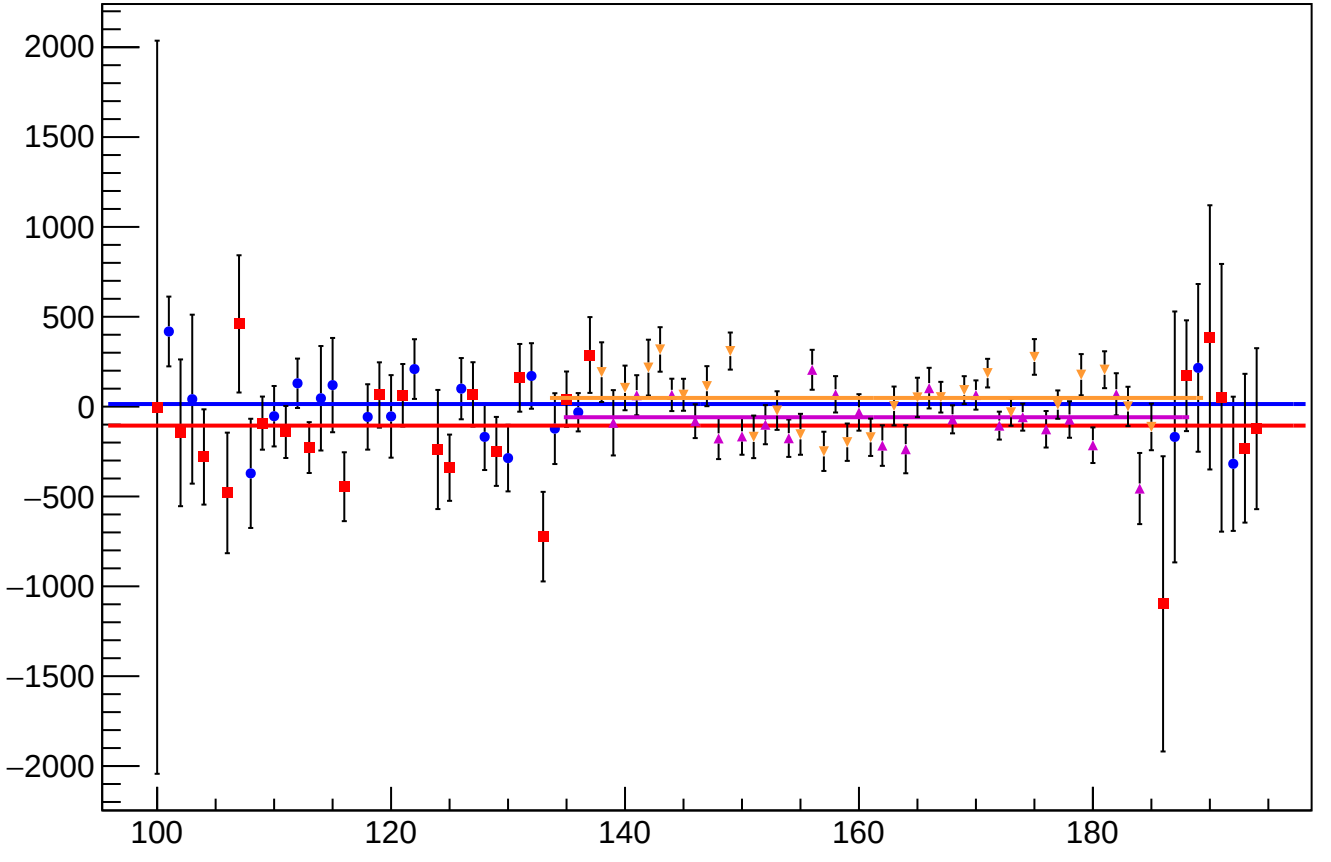
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9445025.2/43

All: 0.000+/-0.000 χ^2/NDF: 21253209.1/91

- sign 0.000+/-0.000 χ^2/NDF: 11790520.2/47

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: -105.612+/-44.601 χ^2/NDF: 28.3/24

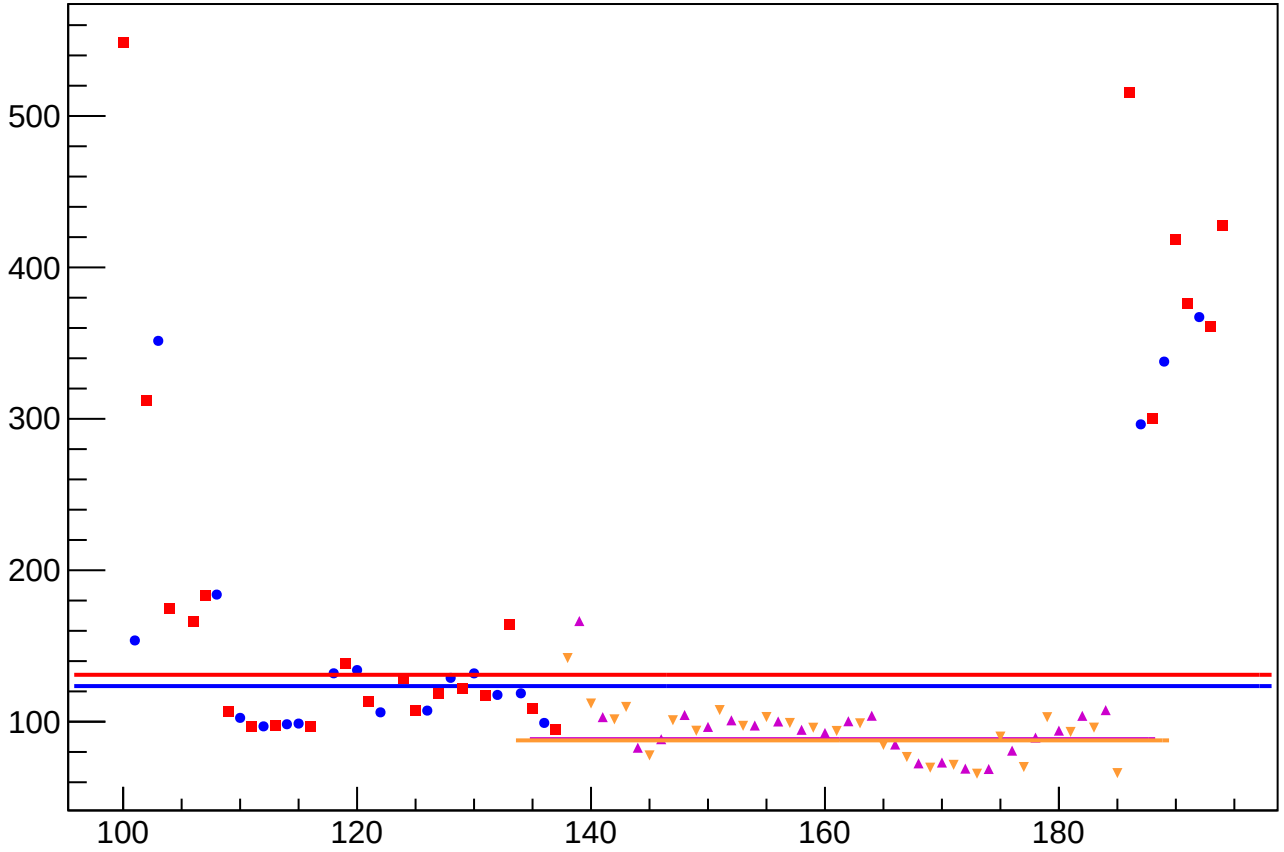
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 42.594+/-18.601 χ^2/NDF: 68.9/43

All: -10.990+/-13.331 χ^2/NDF: 145.8/91

- sign -67.572+/-19.115 χ^2/NDF: 59.8/47

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: 130.964+/-0.032 χ^2/NDF: 4208551.6/24

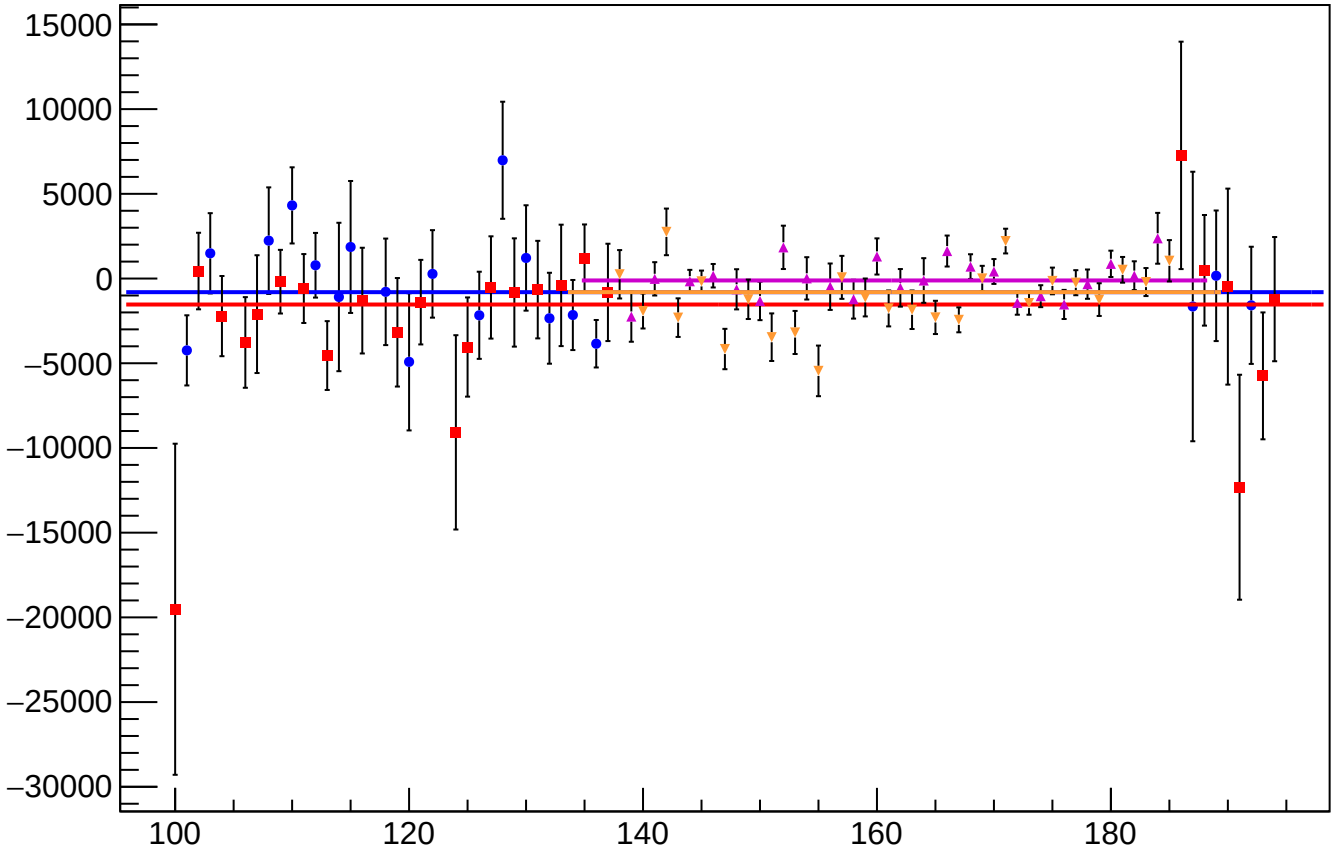
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 93.766+/-0.013 χ^2/NDF: 4557942.9/43

All: 94.991+/-0.009 χ^2/NDF: 11341191.0/91

- sign 96.285+/-0.014 χ^2/NDF: 6765410.3/47

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: -1533.302+/-579.801 χ^2/NDF: 19.0/24

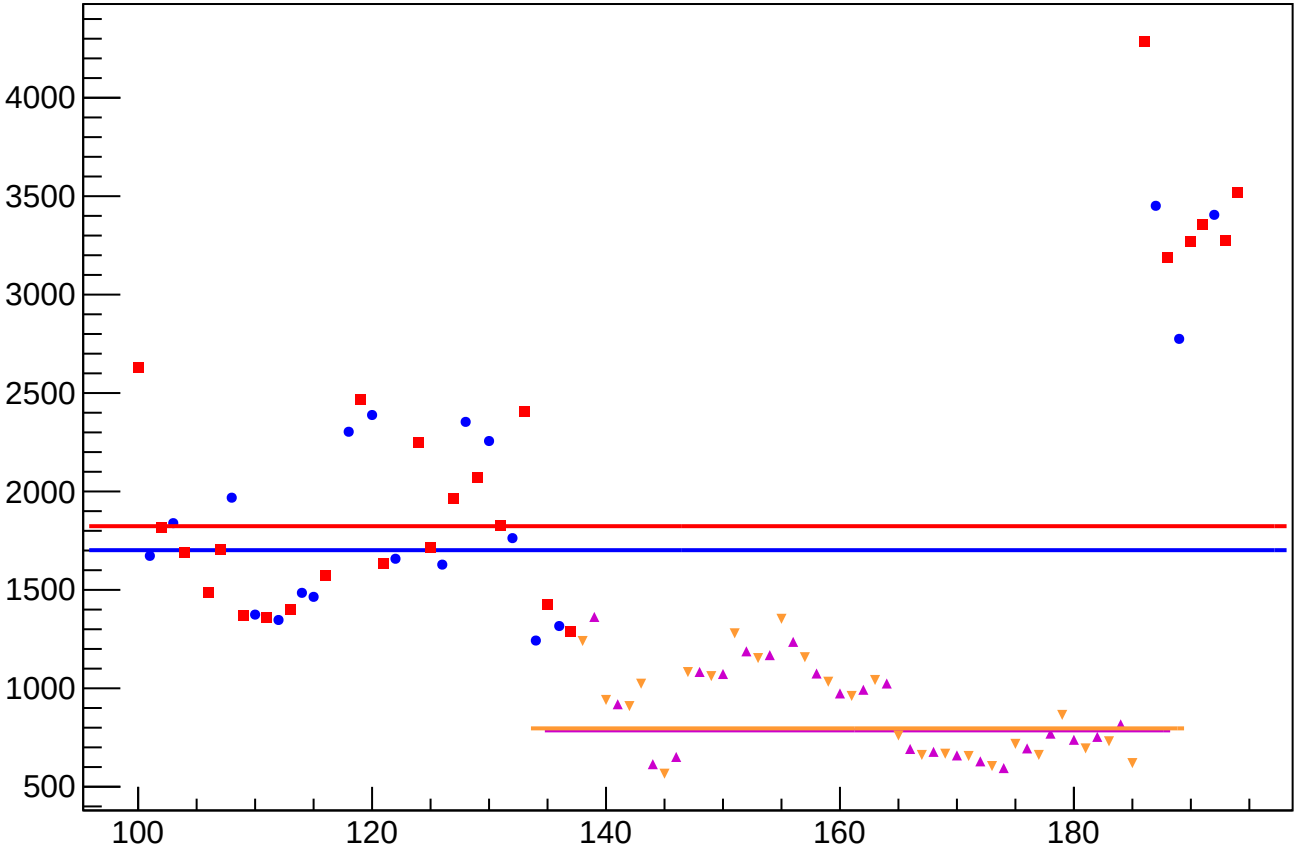
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -801.745+/-179.117 χ^2/NDF: 95.5/43

All: -528.734+/-127.240 χ^2/NDF: 151.6/91

- sign -250.617+/-180.784 χ^2/NDF: 51.4/47

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: 1823.636+/-0.410 χ^2/NDF: 2280780.3/24

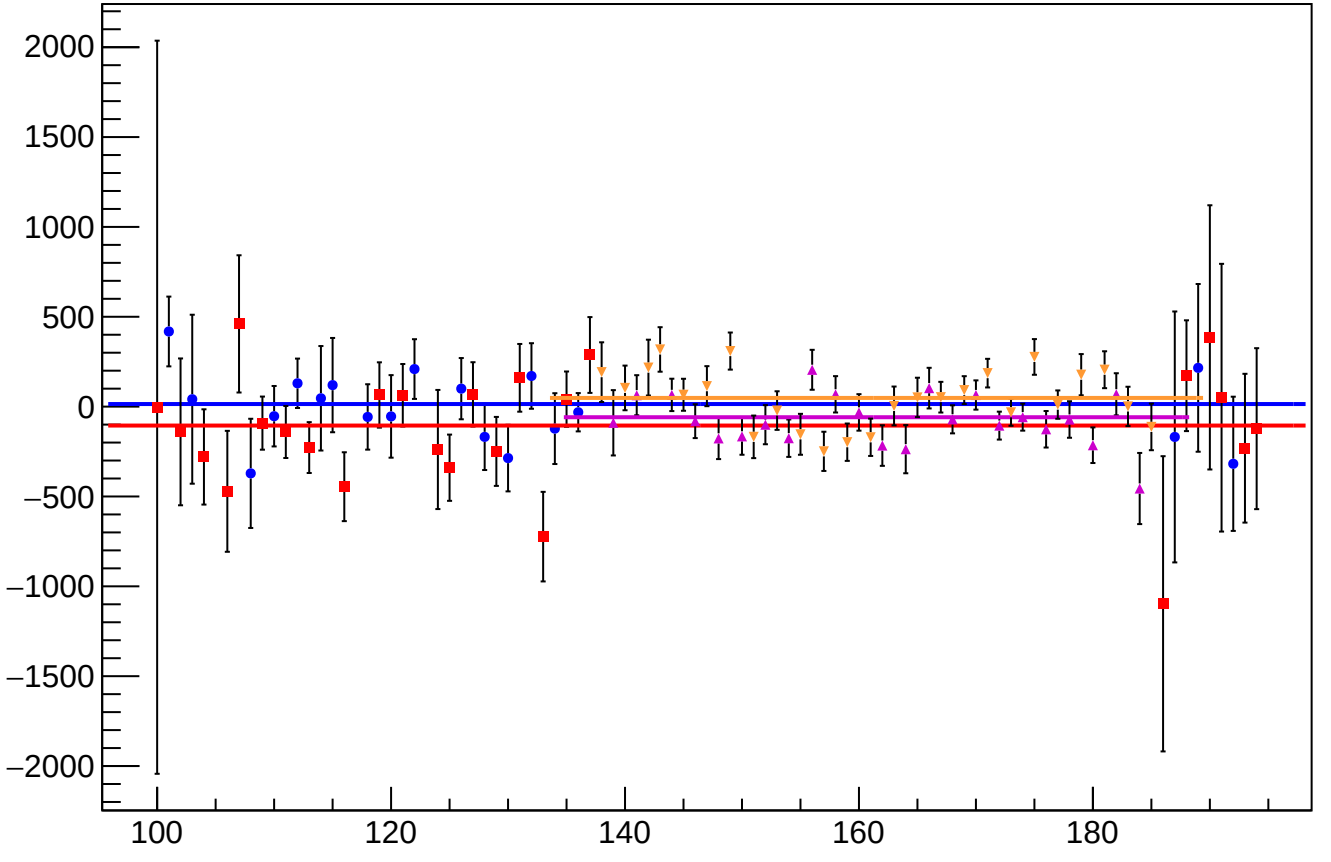
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 877.902+/-0.127 χ^2/NDF: 7998233.5/43

All: 882.500+/-0.090 χ^2/NDF: 18217394.2/91

- sign 887.184+/-0.128 χ^2/NDF: 10216500.4/47

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: -105.340+/-44.604 χ^2/NDF: 28.3/24

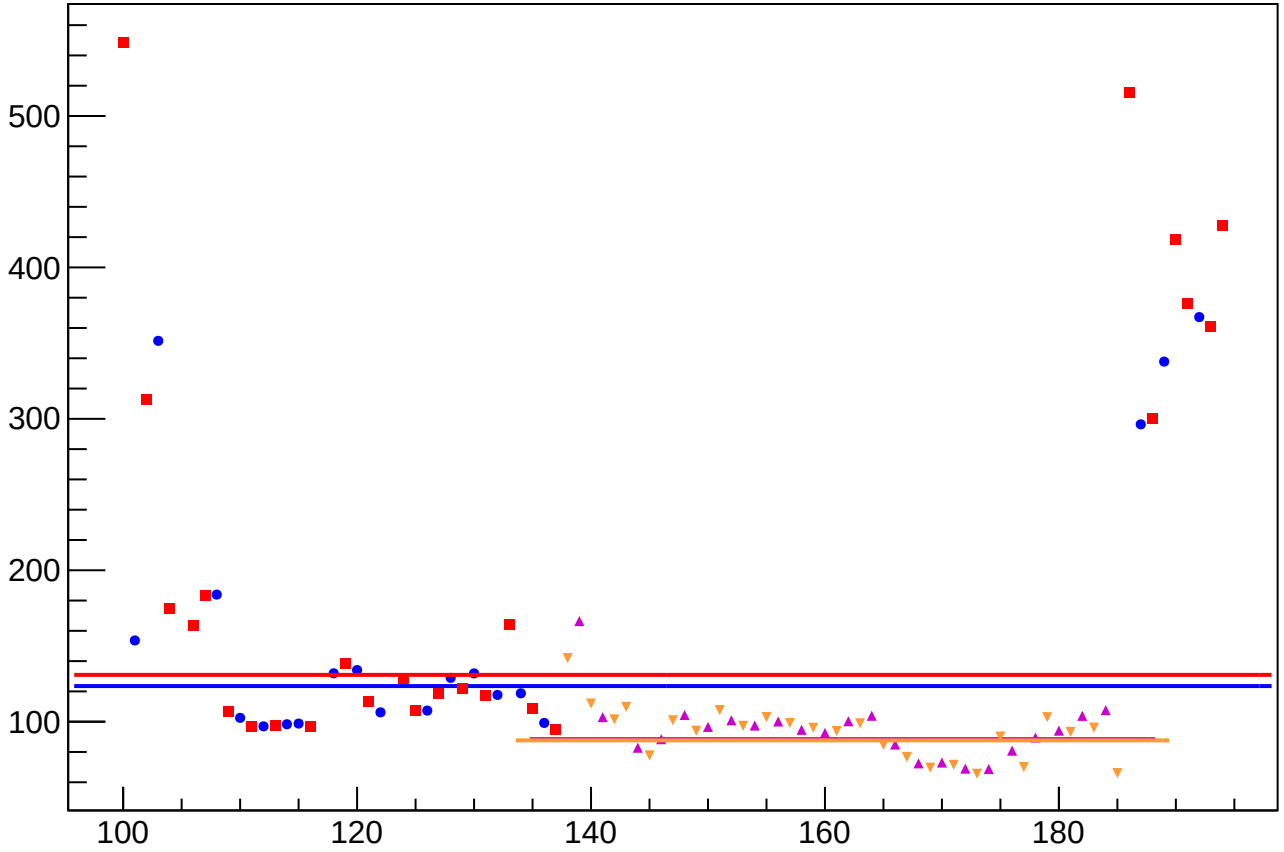
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 42.597+/-18.601 χ^2/NDF: 68.9/43

All: -10.964+/-13.331 χ^2/NDF: 145.7/91

- sign -67.524+/-19.115 χ^2/NDF: 59.7/47

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: 130.917+/-0.032 χ^2/NDF: 4205610.1/24

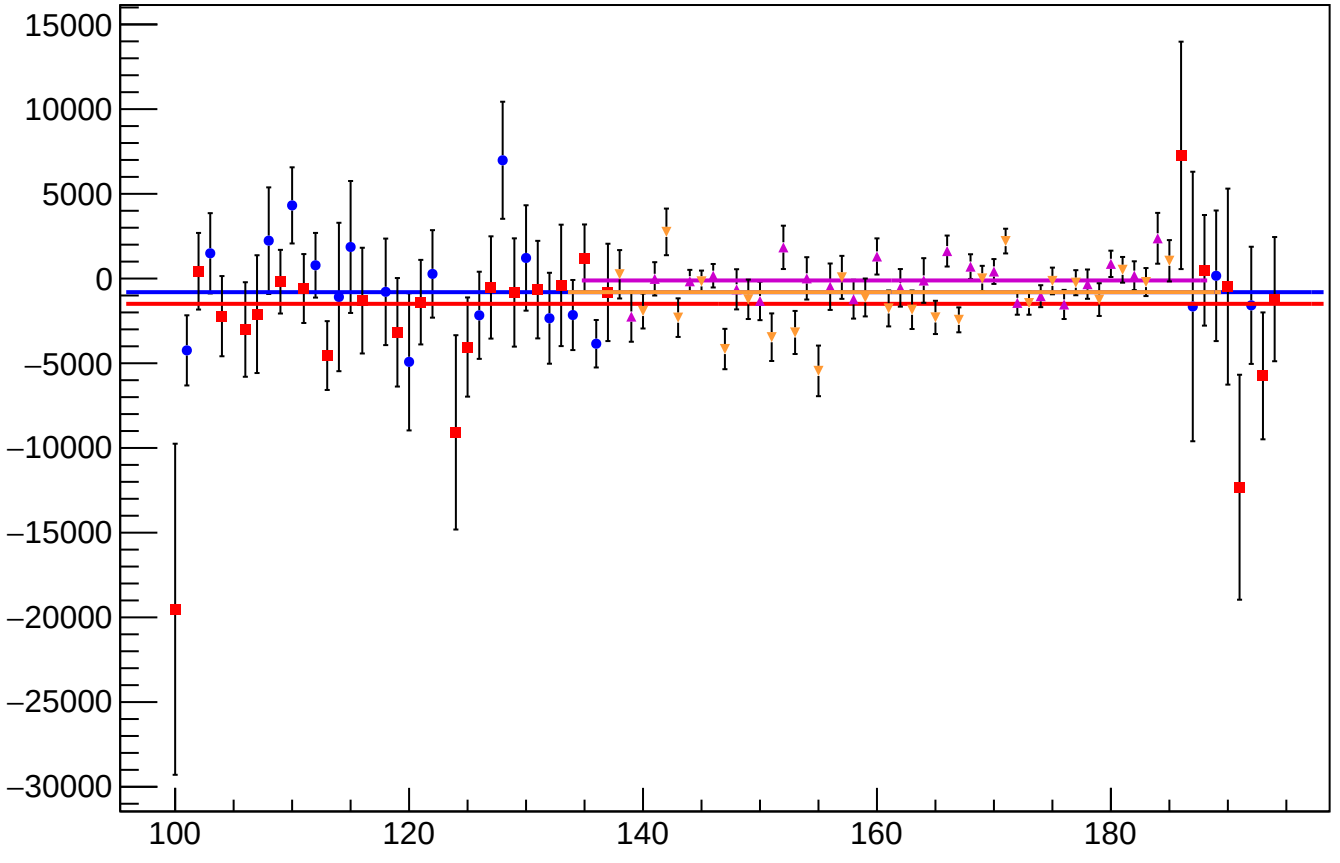
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 93.766+/-0.013 χ^2/NDF: 4557944.4/43

All: 94.987+/-0.009 χ^2/NDF: 11334659.1/91

- sign 96.276+/-0.014 χ^2/NDF: 6759011.5/47

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: -1492.811+/-580.939 χ^2/NDF: 18.5/24

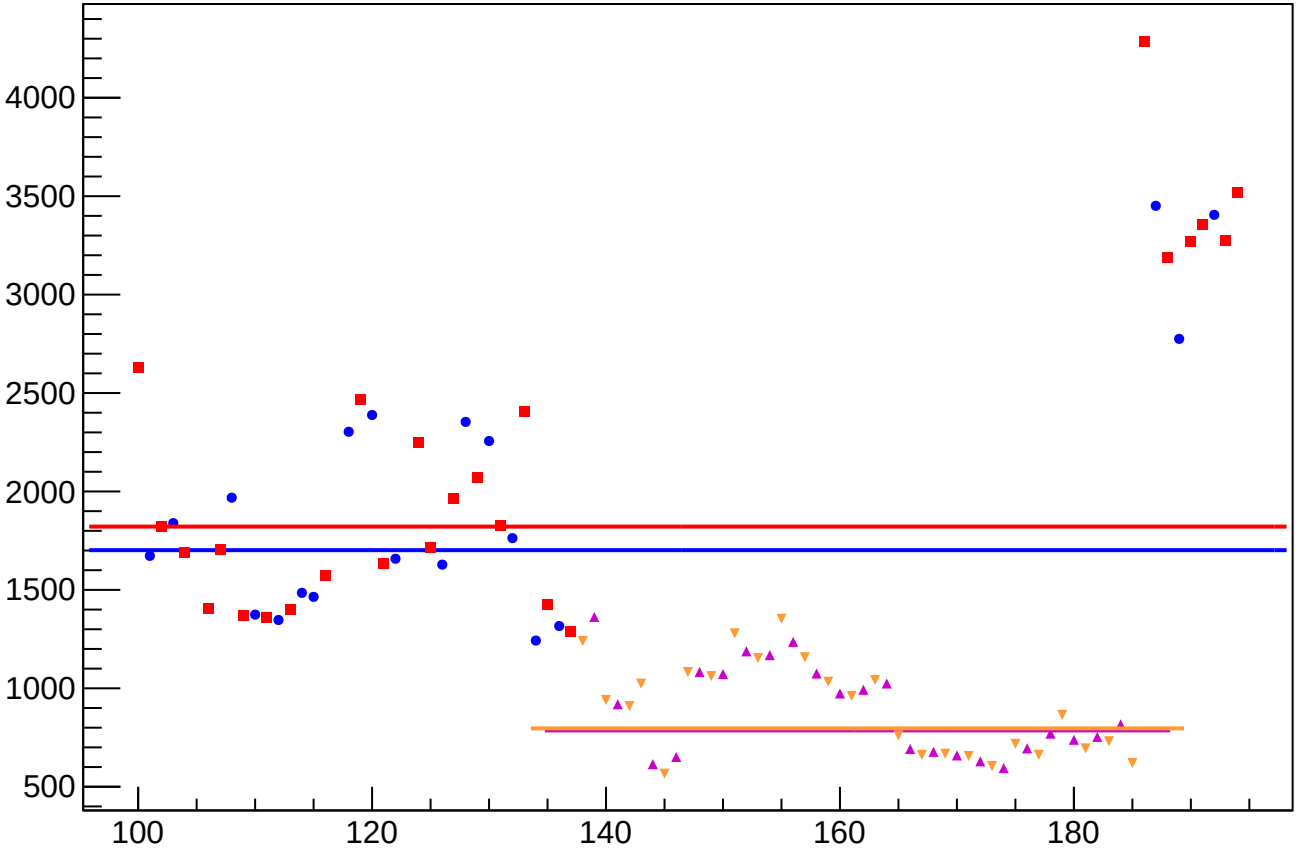
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.737+/-179.117 χ^2/NDF: 95.5/43

All: -526.598+/-127.252 χ^2/NDF: 150.9/91

- sign -246.208+/-180.818 χ^2/NDF: 50.7/47

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: 1821.505+/-0.411 χ^2/NDF: 2293885.8/24

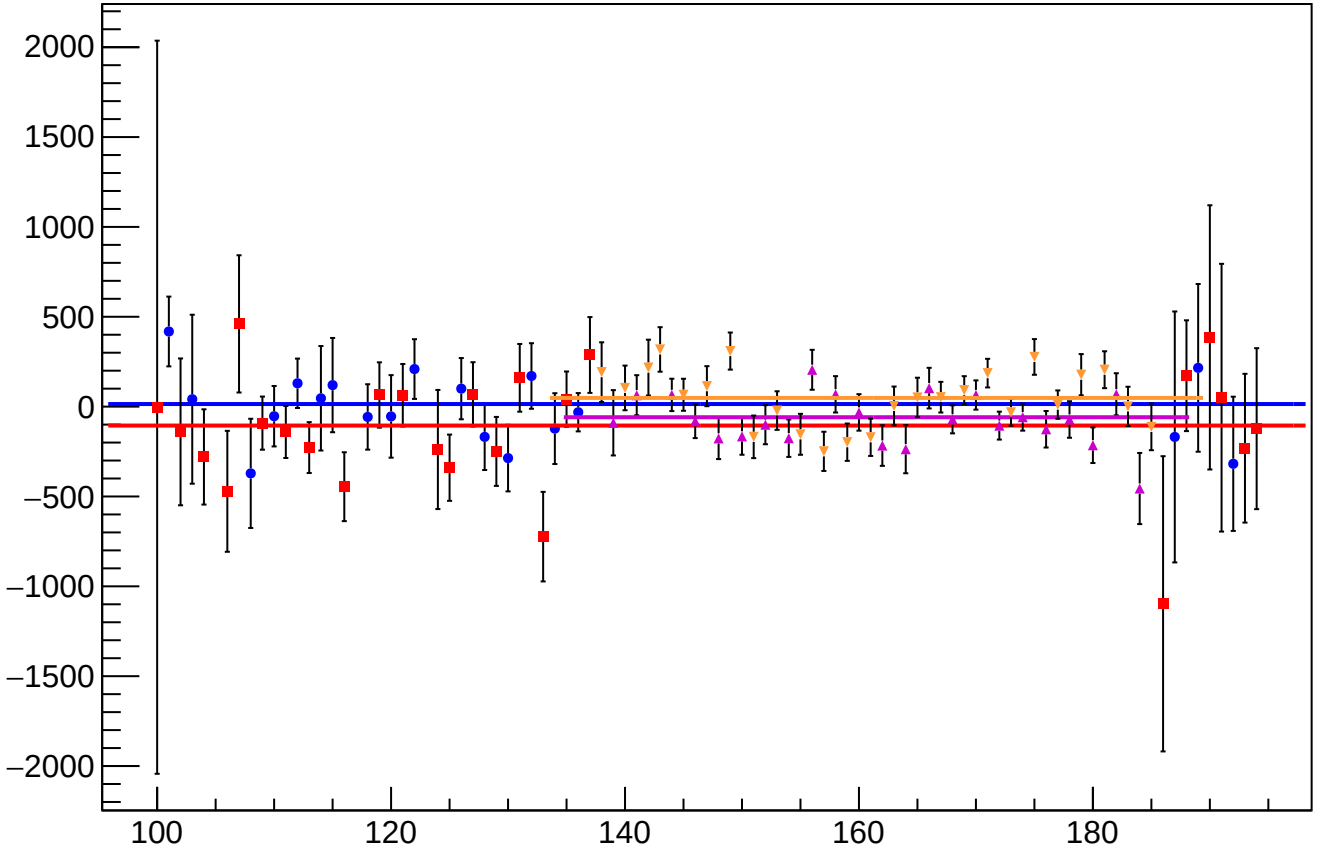
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 877.902+/-0.127 χ^2/NDF: 7998292.6/43

All: 882.220+/-0.090 χ^2/NDF: 18186170.9/91

- sign 886.621+/-0.128 χ^2/NDF: 10185531.2/47

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: -105.340+/-44.604 χ^2/NDF: 28.3/24

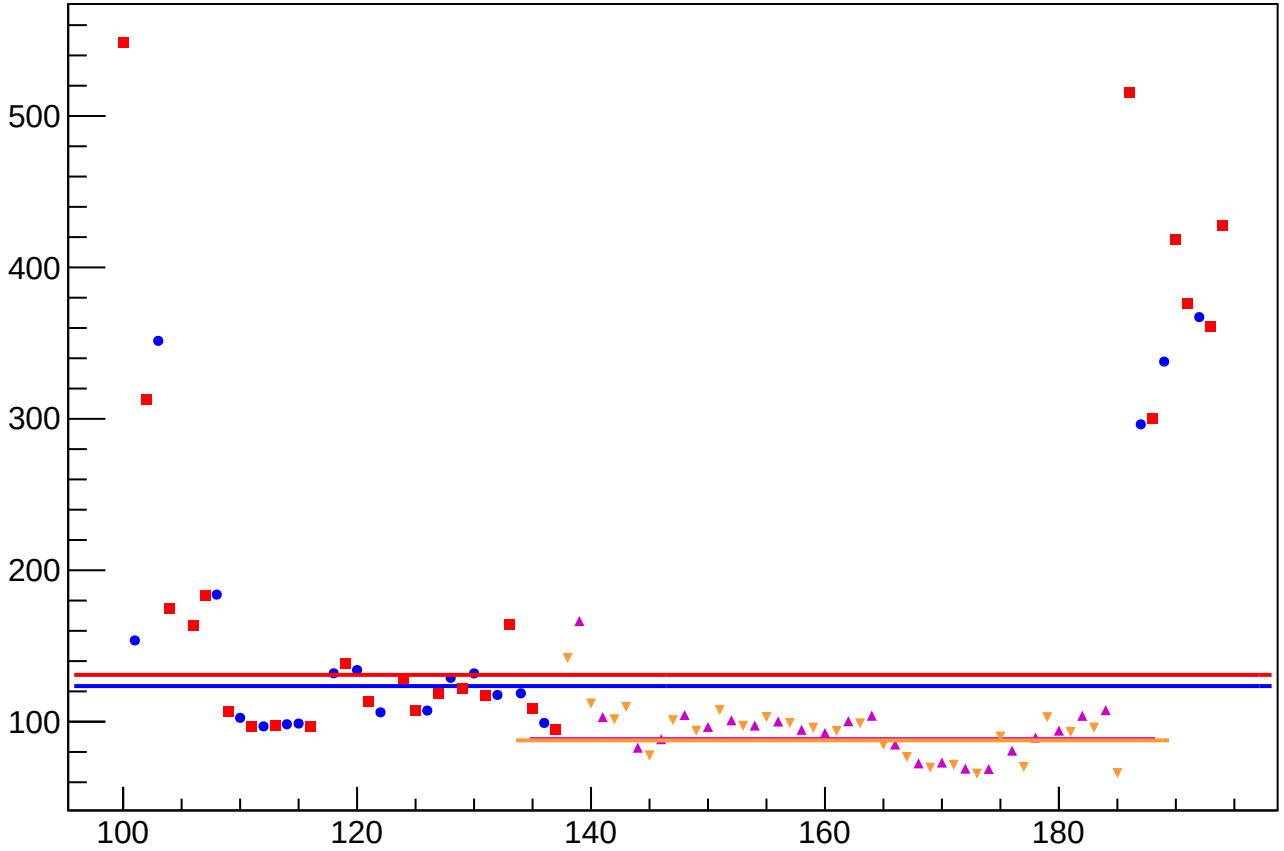
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 42.597+/-18.601 χ^2/NDF: 68.9/43

All: -10.964+/-13.331 χ^2/NDF: 145.7/91

- sign -67.524+/-19.115 χ^2/NDF: 59.7/47

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

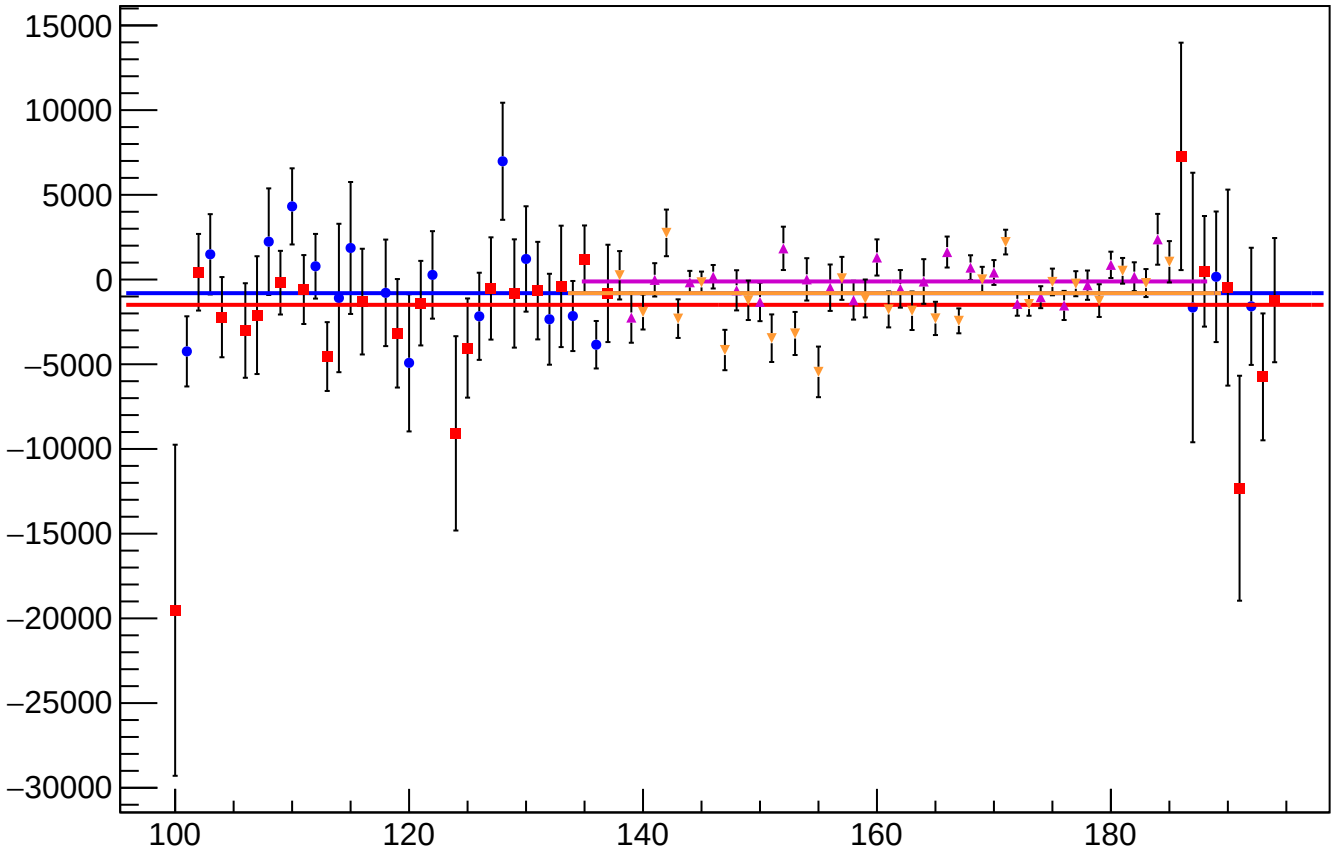
Right Out: 130.917+/-0.032 χ^2/NDF: 4205610.1/24

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

\+ sign 93.766+/-0.013 χ^2/NDF: 4557944.4/43

All: 94.987+/-0.009 χ^2/NDF: 11334659.1/91

\- sign 96.276+/-0.014 χ^2/NDF: 6759011.5/47



Right In: -804.151+/-597.401 χ^2/NDF: 23.6/18

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1492.811+/-580.939 χ^2/NDF: 18.5/24

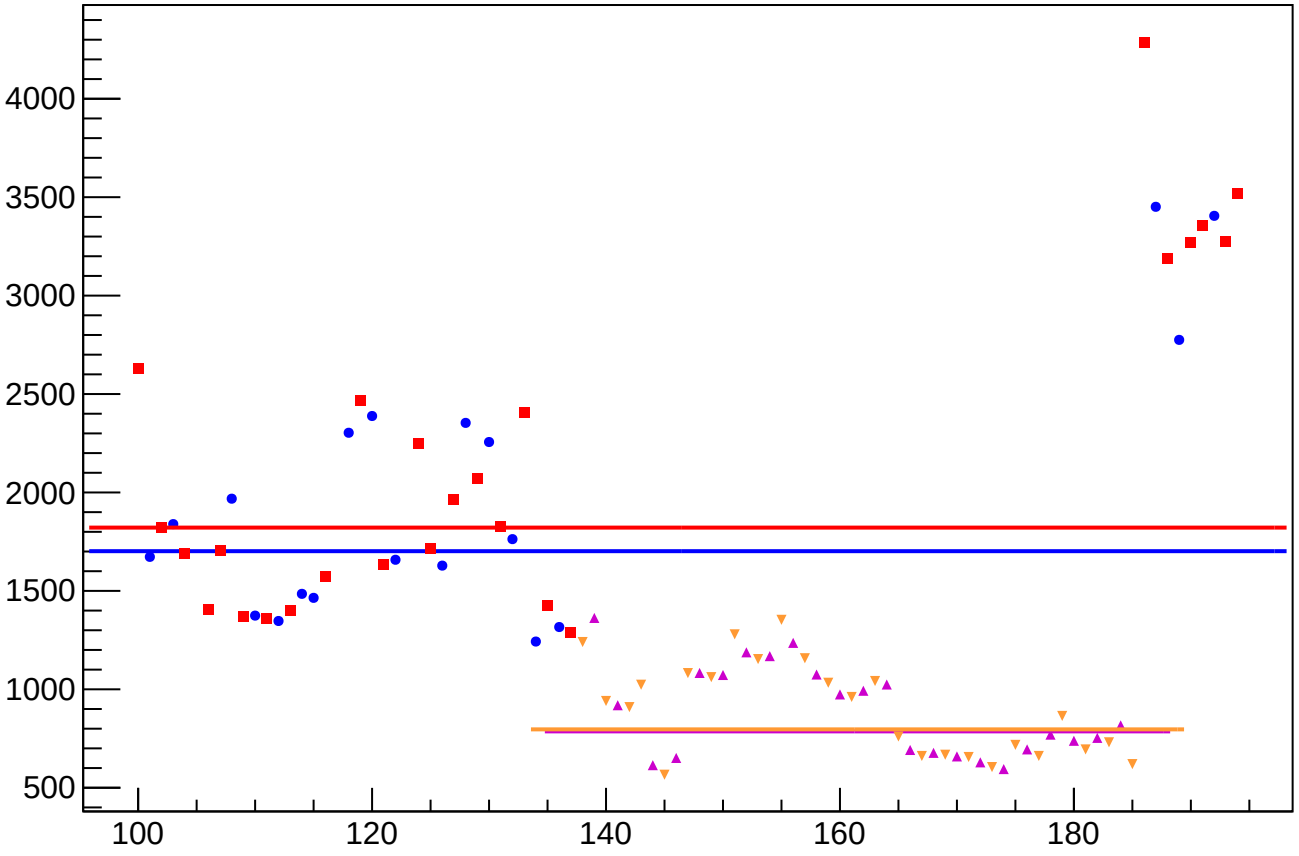
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.737+/-179.117 χ^2/NDF: 95.5/43

All: -526.598+/-127.252 χ^2/NDF: 150.9/91

- sign -246.208+/-180.818 χ^2/NDF: 50.7/47

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: 1821.505+/-0.411 χ^2/NDF: 2293885.8/24

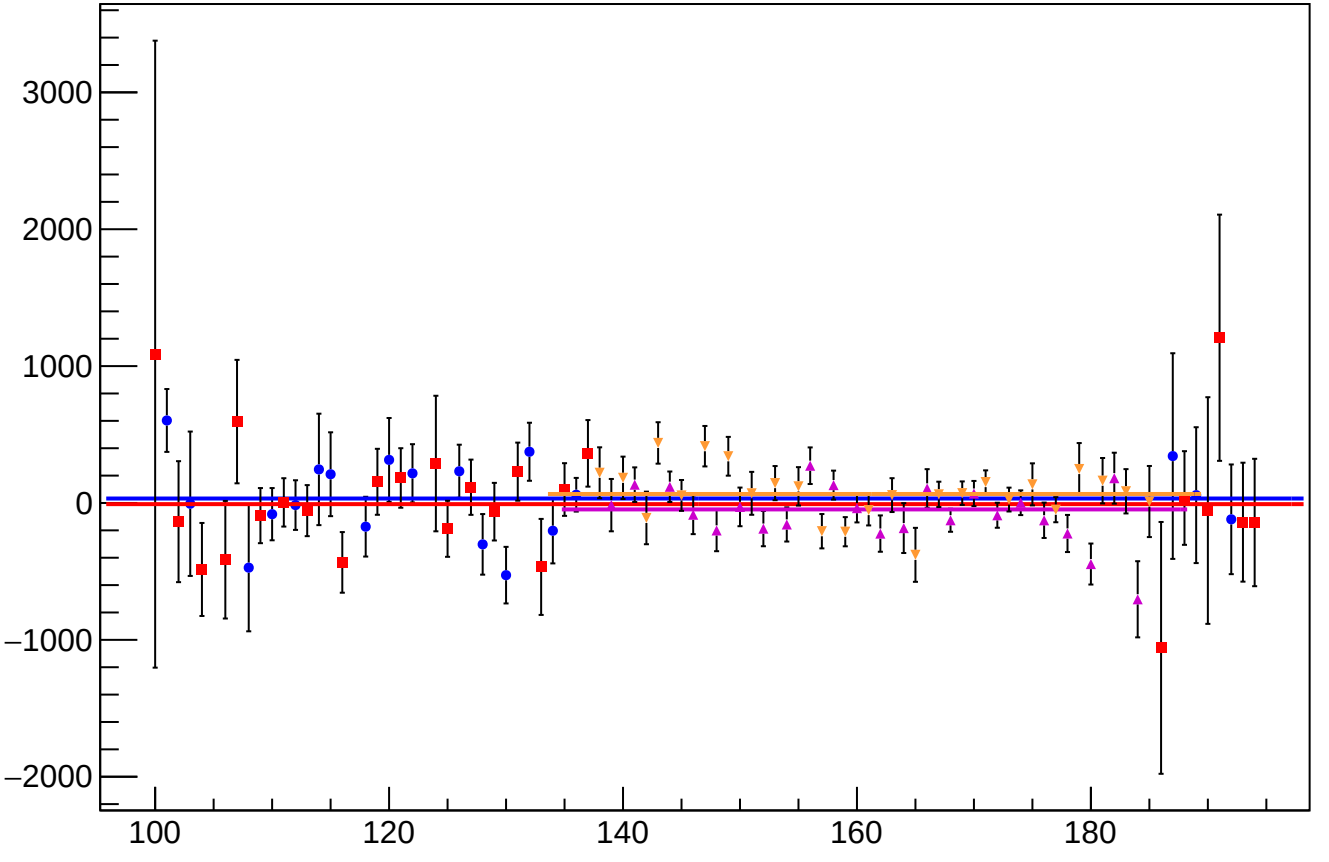
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 877.902+/-0.127 χ^2/NDF: 7998292.6/43

All: 882.220+/-0.090 χ^2/NDF: 18186170.9/91

- sign 886.621+/-0.128 χ^2/NDF: 10185531.2/47

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: -8.440+/-54.218 χ^2/NDF: 20.6/24

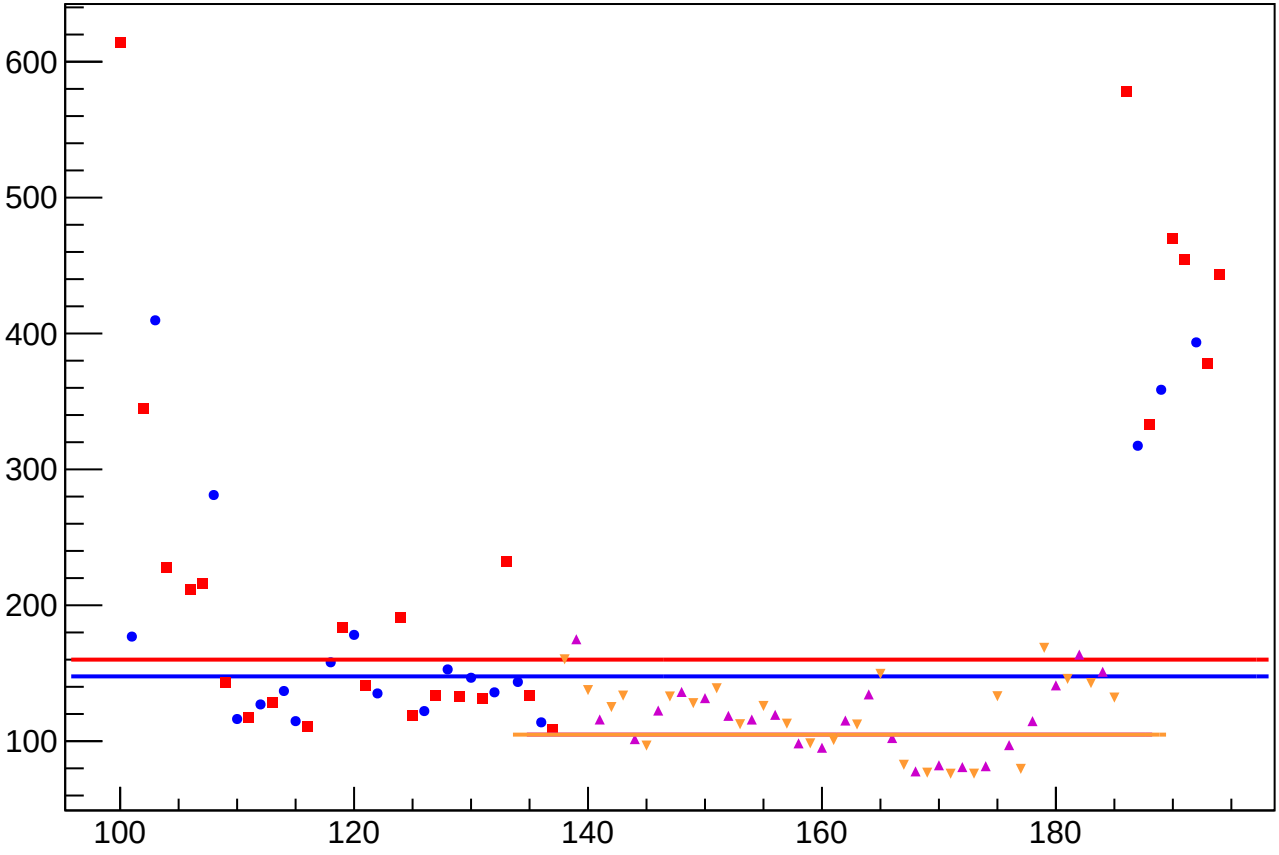
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 59.821+/-22.726 χ^2/NDF: 65.8/43

All: 11.004+/-16.242 χ^2/NDF: 135.0/91

- sign -39.959+/-23.220 χ^2/NDF: 59.7/47

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: 160.007+/-0.038 χ^2/NDF: 3956442.4/24

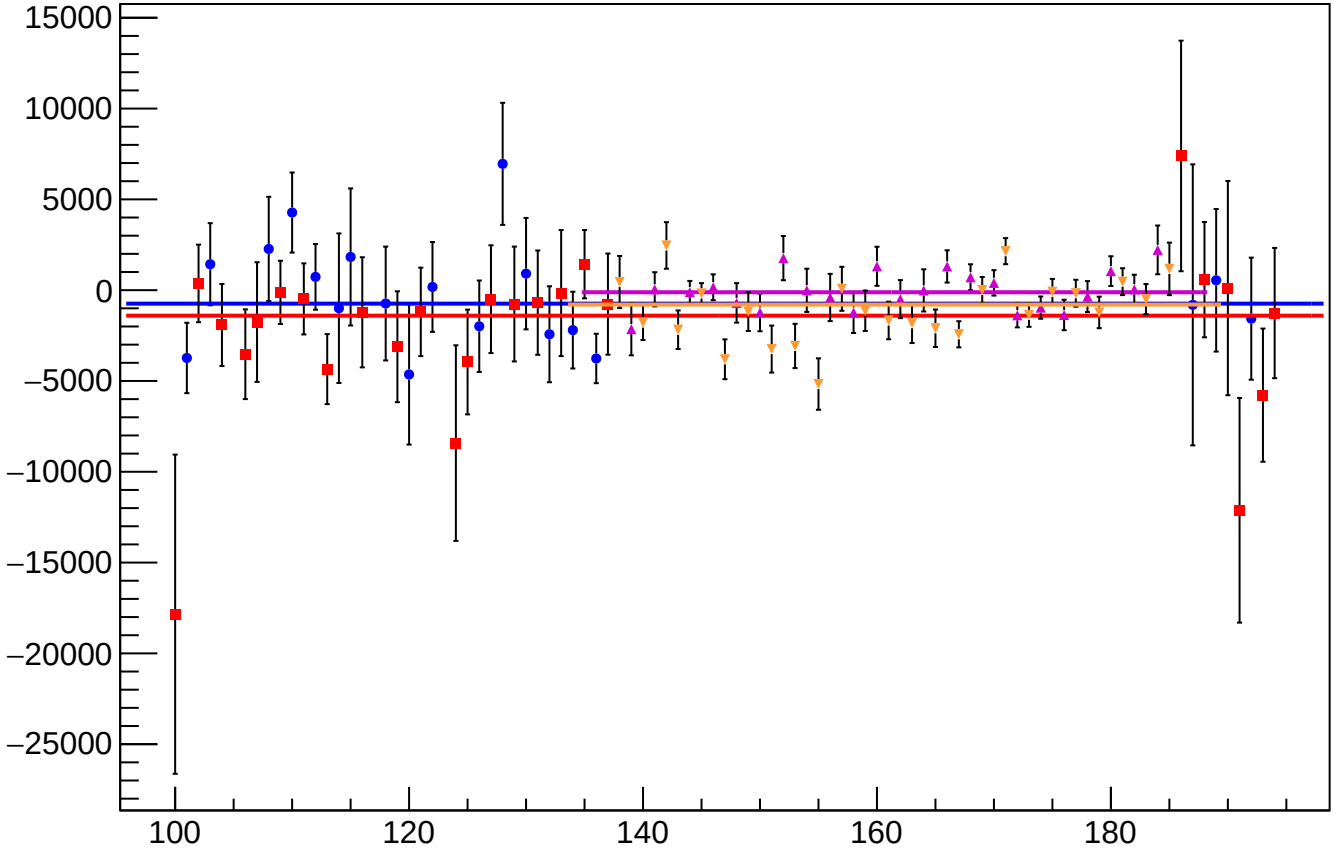
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 112.419+/-0.016 χ^2/NDF: 5517483.0/43

All: 113.660+/-0.011 χ^2/NDF: 12791757.1/91

- sign 114.954+/-0.016 χ^2/NDF: 7262097.0/47

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: -1404.458+/-555.128 χ^2/NDF: 20.3/24

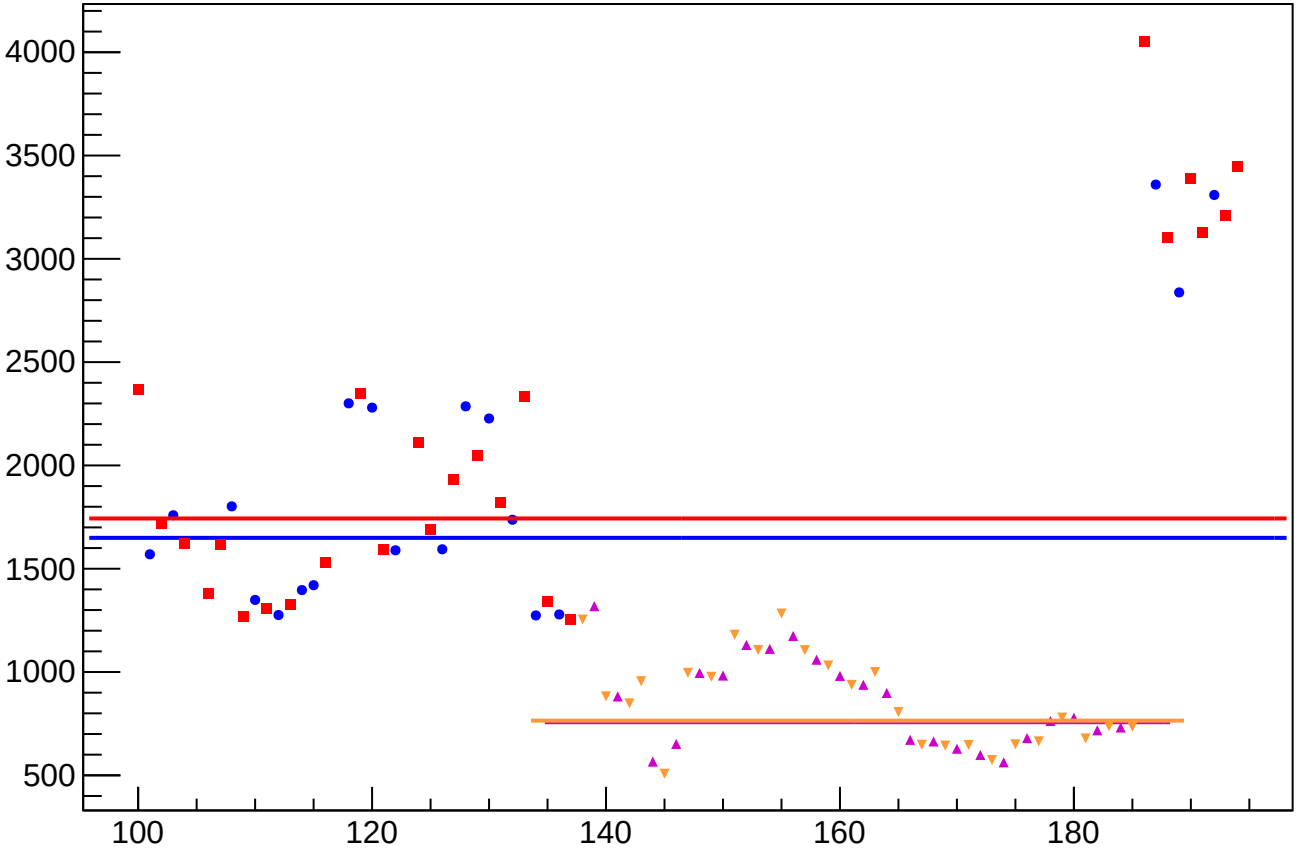
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -788.524+/-171.785 χ^2/NDF: 93.7/43

All: -517.807+/-122.214 χ^2/NDF: 150.2/91

- sign -240.358+/-173.908 χ^2/NDF: 51.5/47

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

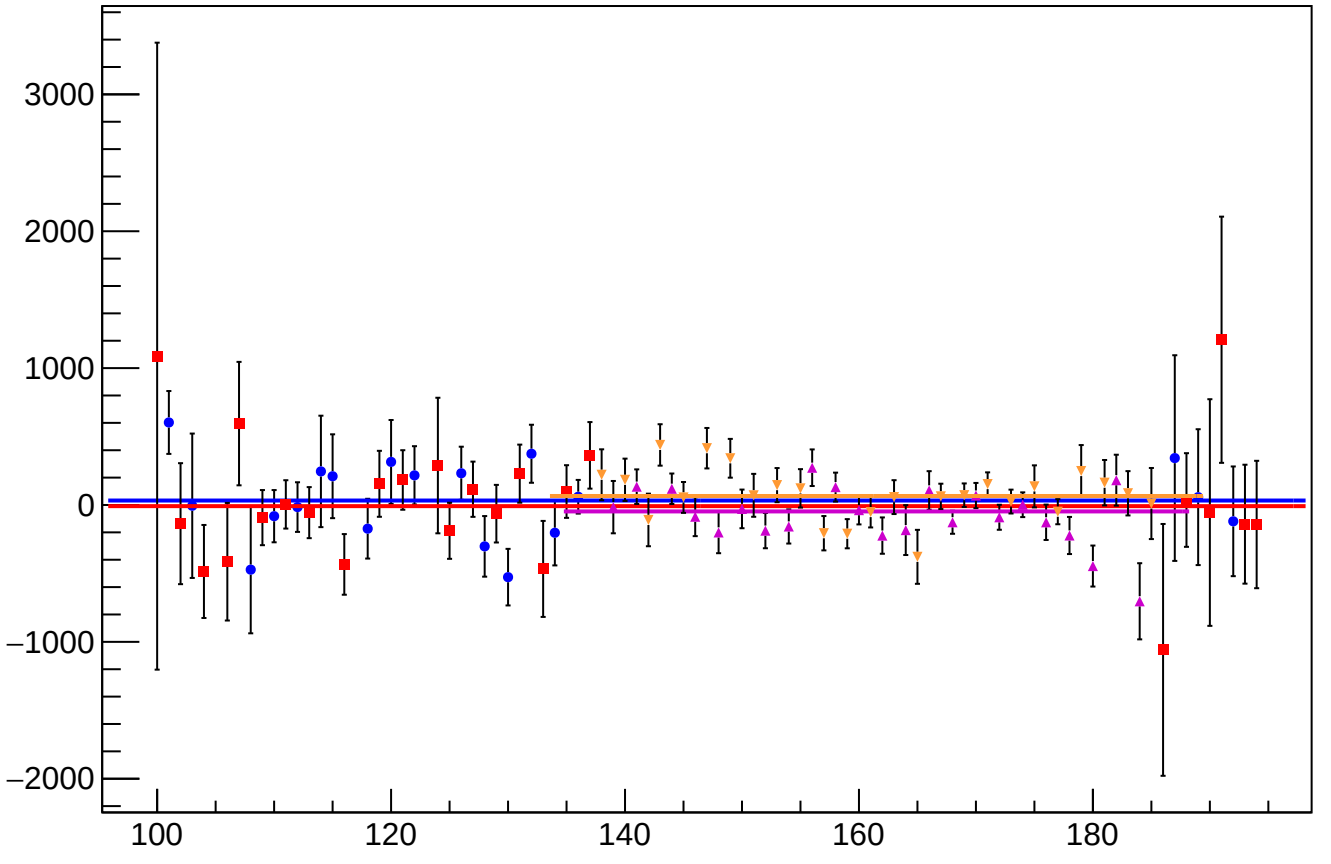
Right Out: 1743.275+/-0.393 χ^2/NDF: 2405470.1/24

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 842.716+/-0.121 χ^2/NDF: 8106977.2/43

All: 848.154+/-0.086 χ^2/NDF: 18326122.2/91

- sign 853.728+/-0.123 χ^2/NDF: 10215086.3/47



Right In: 32.576+/-53.936 χ^2/NDF: 25.5/18

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -8.436+/-54.218 χ^2/NDF: 20.6/24

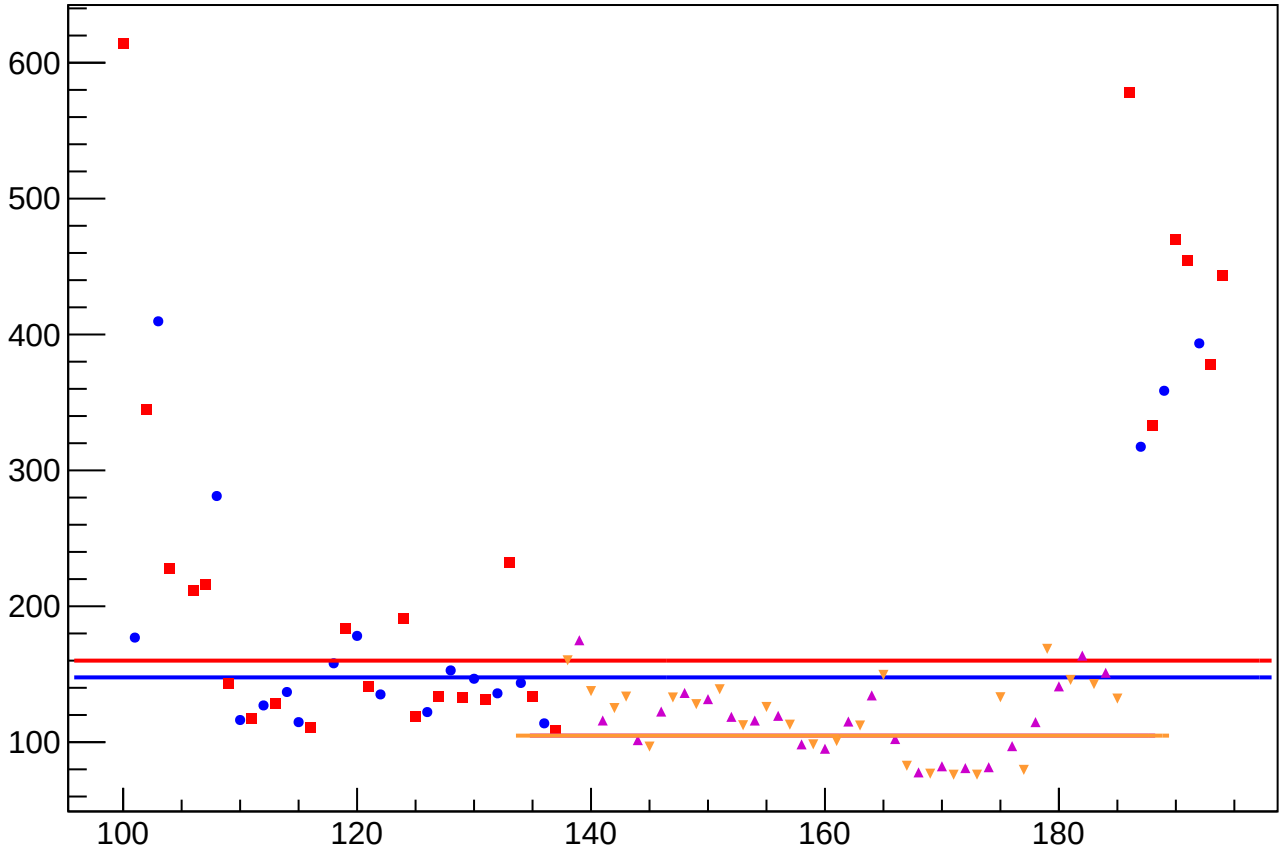
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 59.821+/-22.726 χ^2/NDF: 65.8/43

All: 11.005+/-16.242 χ^2/NDF: 135.0/91

- sign -39.957+/-23.220 χ^2/NDF: 59.7/47

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: 160.008+/-0.038 χ^2/NDF: 3956445.6/24

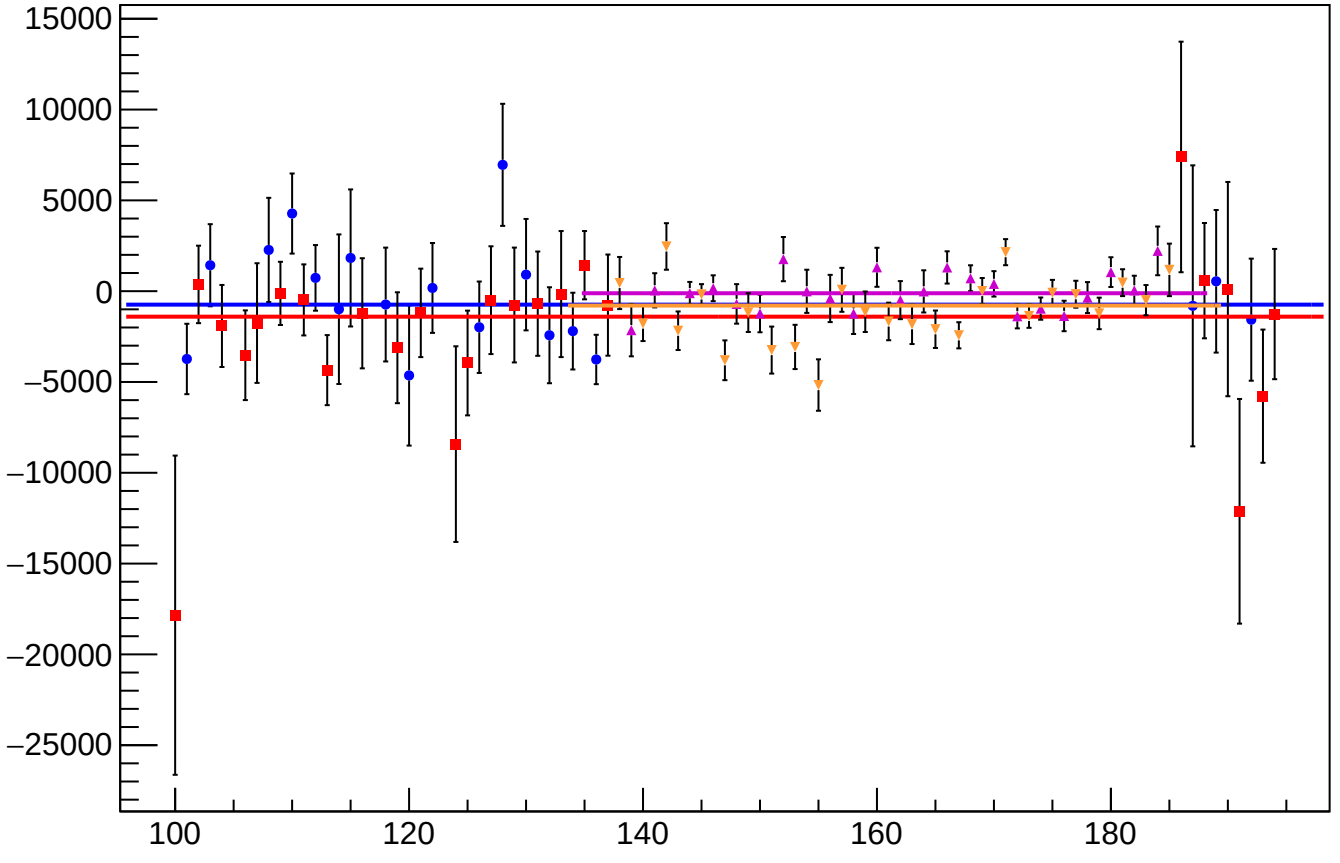
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 112.420+/-0.016 χ^2/NDF: 5517500.1/43

All: 113.660+/-0.011 χ^2/NDF: 12791788.7/91

- sign 114.955+/-0.016 χ^2/NDF: 7262111.6/47

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: -1404.457+/-555.127 χ^2/NDF: 20.3/24

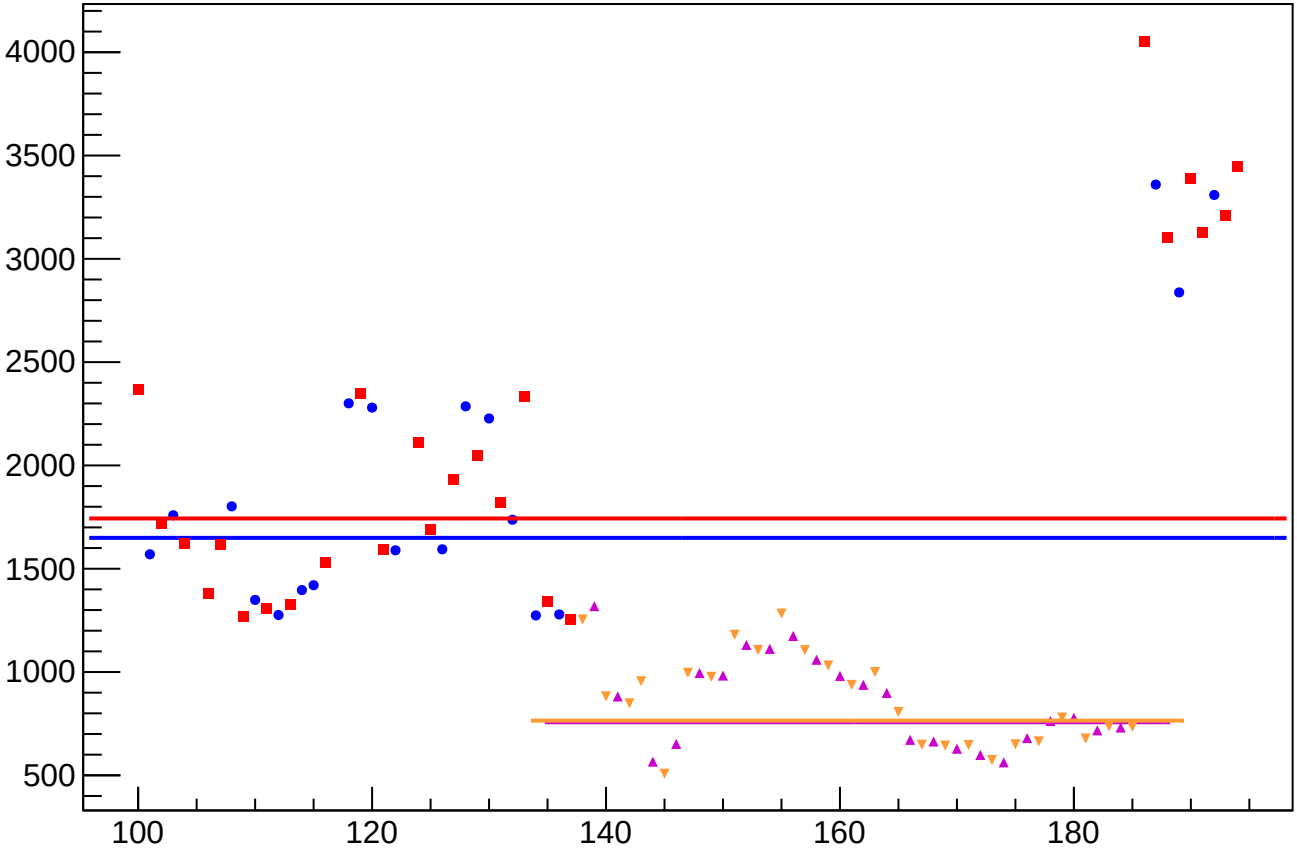
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -788.525+/-171.785 χ^2/NDF: 93.7/43

All: -517.807+/-122.214 χ^2/NDF: 150.2/91

- sign -240.358+/-173.907 χ^2/NDF: 51.5/47

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: 1743.272+/-0.393 χ^2/NDF: 2405467.5/24

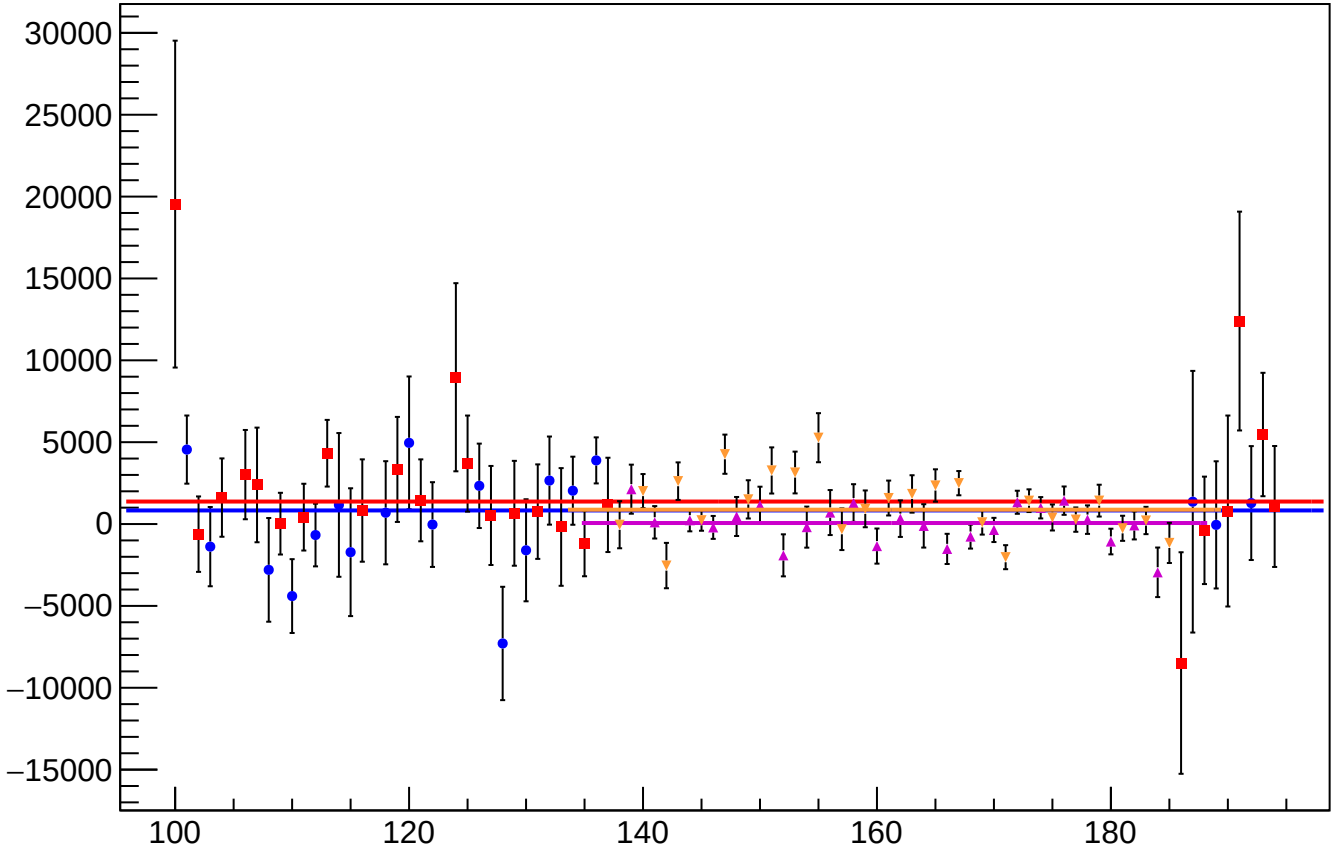
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 842.715+/-0.121 χ^2/NDF: 8106968.1/43

All: 848.154+/-0.086 χ^2/NDF: 18326100.8/91

- sign 853.727+/-0.123 χ^2/NDF: 10215074.0/47

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: 1374.045+/-583.023 χ^2/NDF: 18.5/24

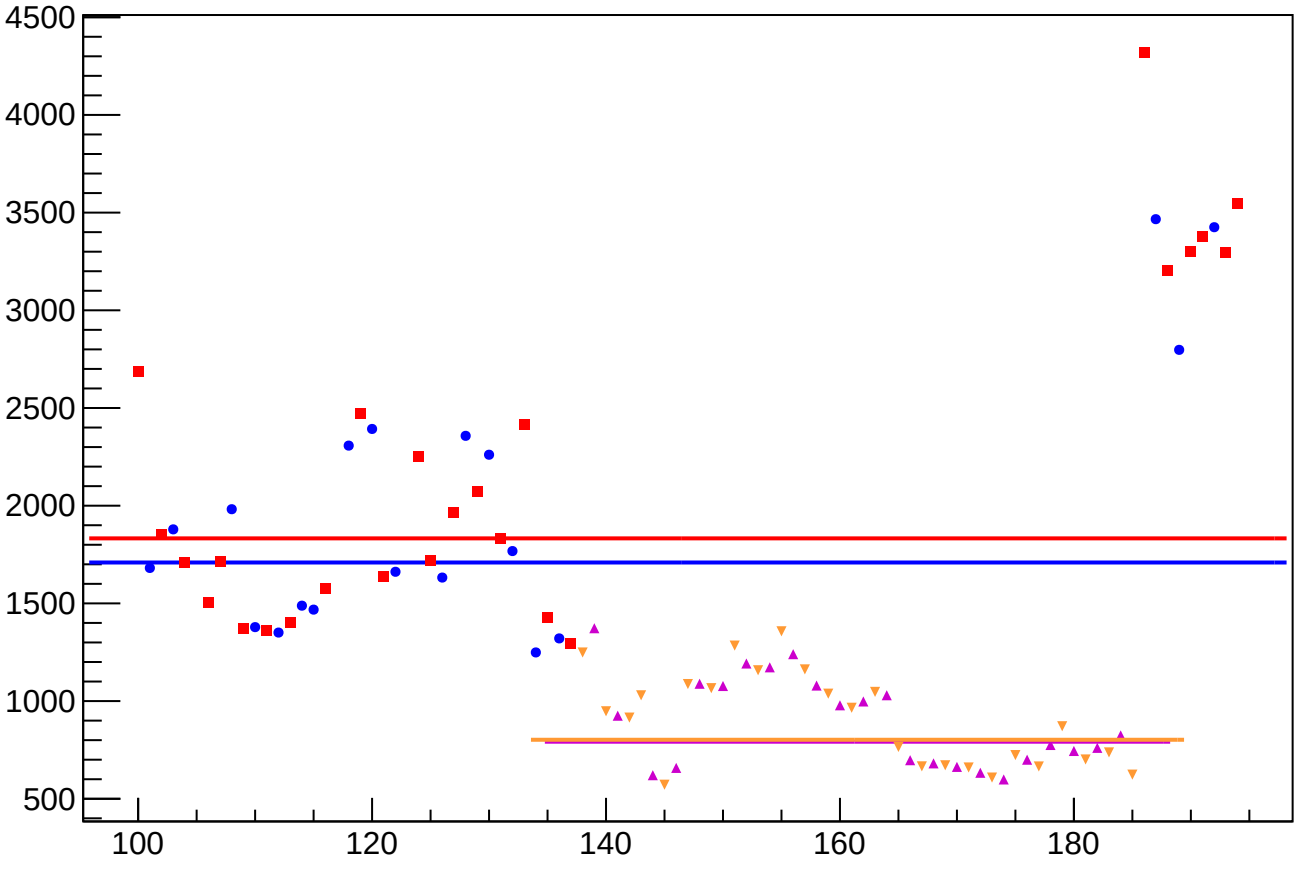
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 872.341+/-180.271 χ^2/NDF: 92.2/43

All: 534.743+/-128.085 χ^2/NDF: 149.5/91

- sign 190.564+/-182.020 χ^2/NDF: 50.1/47

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: 1832.742+/-0.412 χ^2/NDF: 2291014.6/24

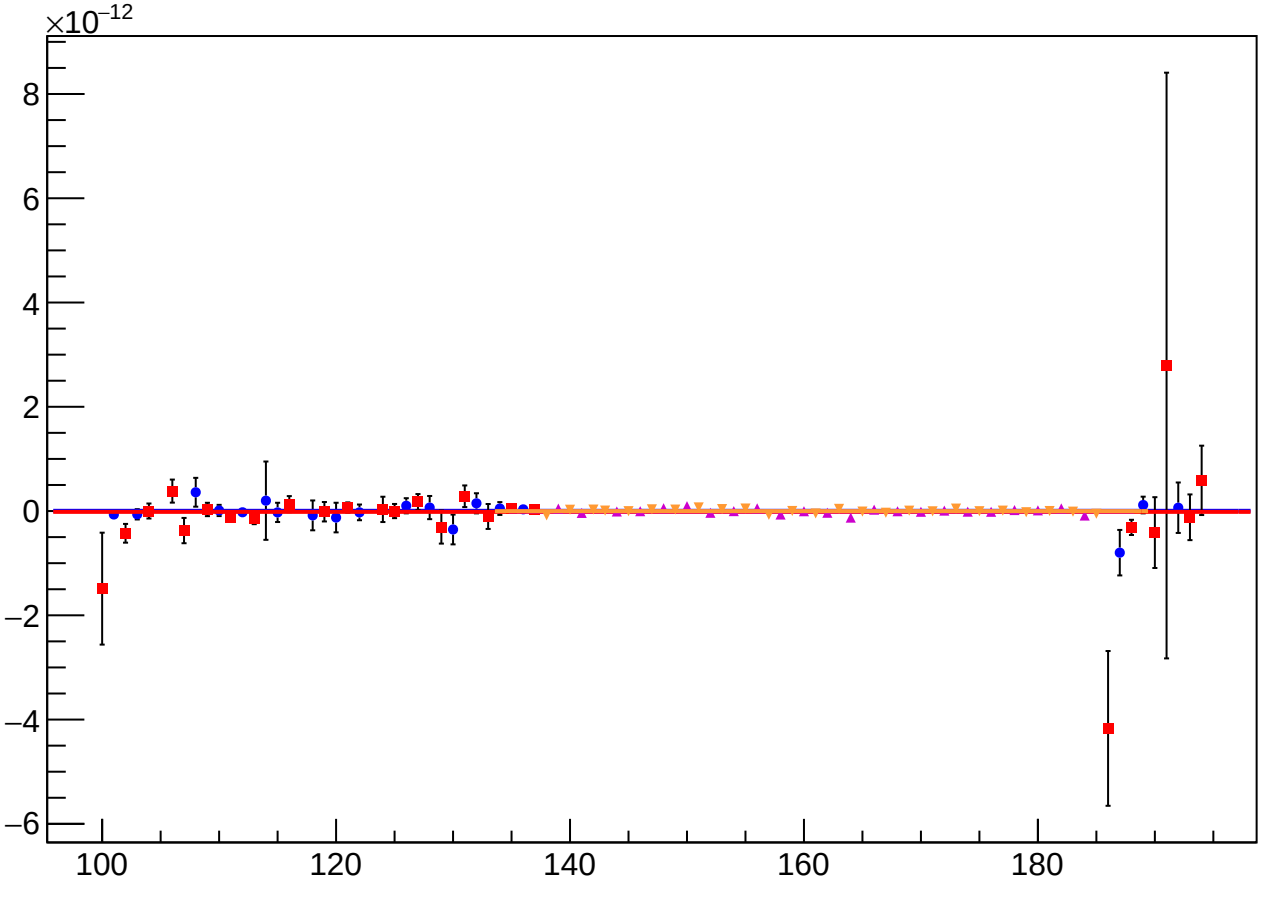
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 883.870+/-0.127 χ^2/NDF: 7961516.0/43

All: 888.636+/-0.091 χ^2/NDF: 18142112.7/91

- sign 893.494+/-0.129 χ^2/NDF: 10177773.7/47

asym_sam3_reg_vs_cor_diff_mean vs Slug



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

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

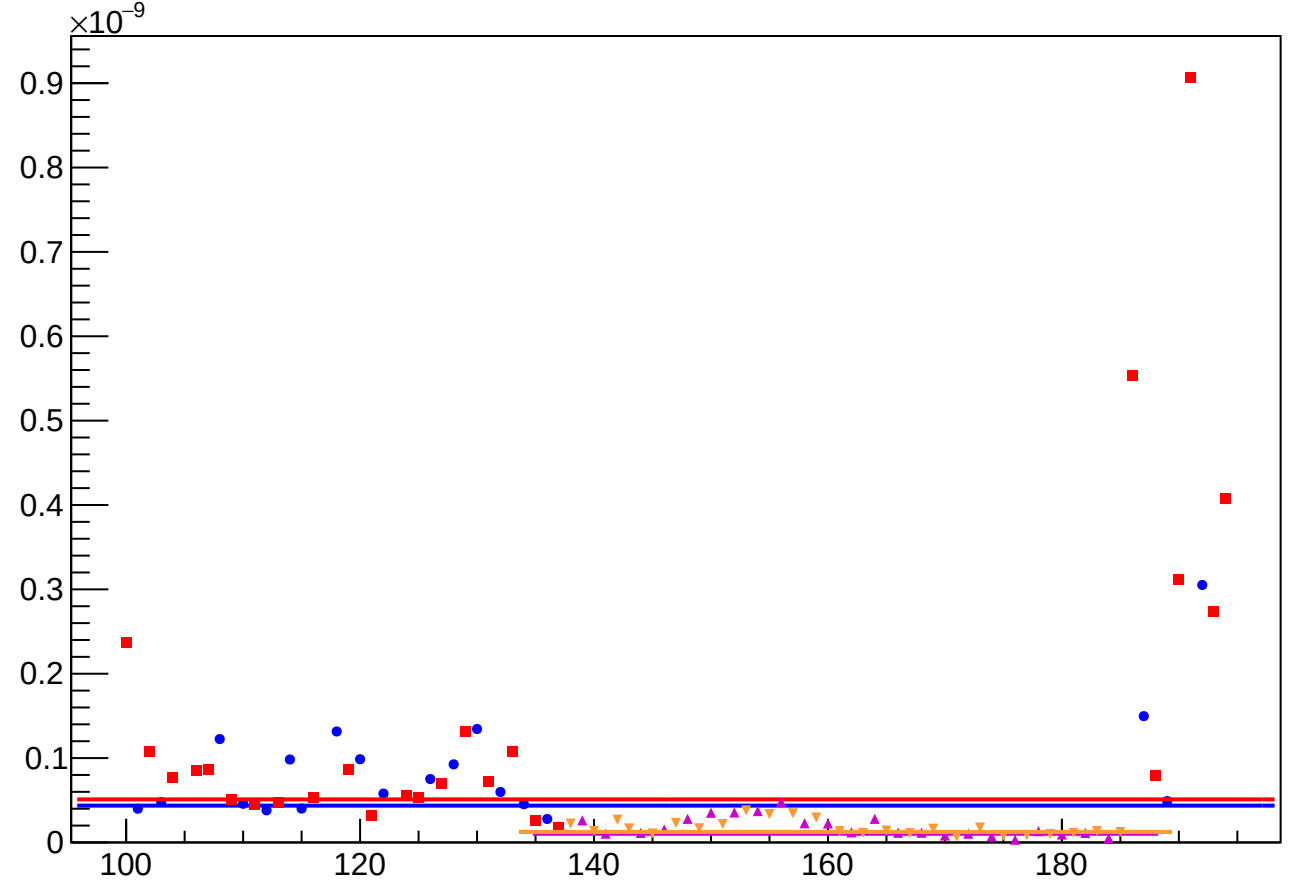
Right Out: -0.000+/-0.000 χ^2/NDF: 37.1/24

Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.8/43

All: -0.000+/-0.000 χ^2/NDF: 104.1/91

- sign -0.000+/-0.000 χ^2/NDF: 68.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 1857897.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3183147.7/24

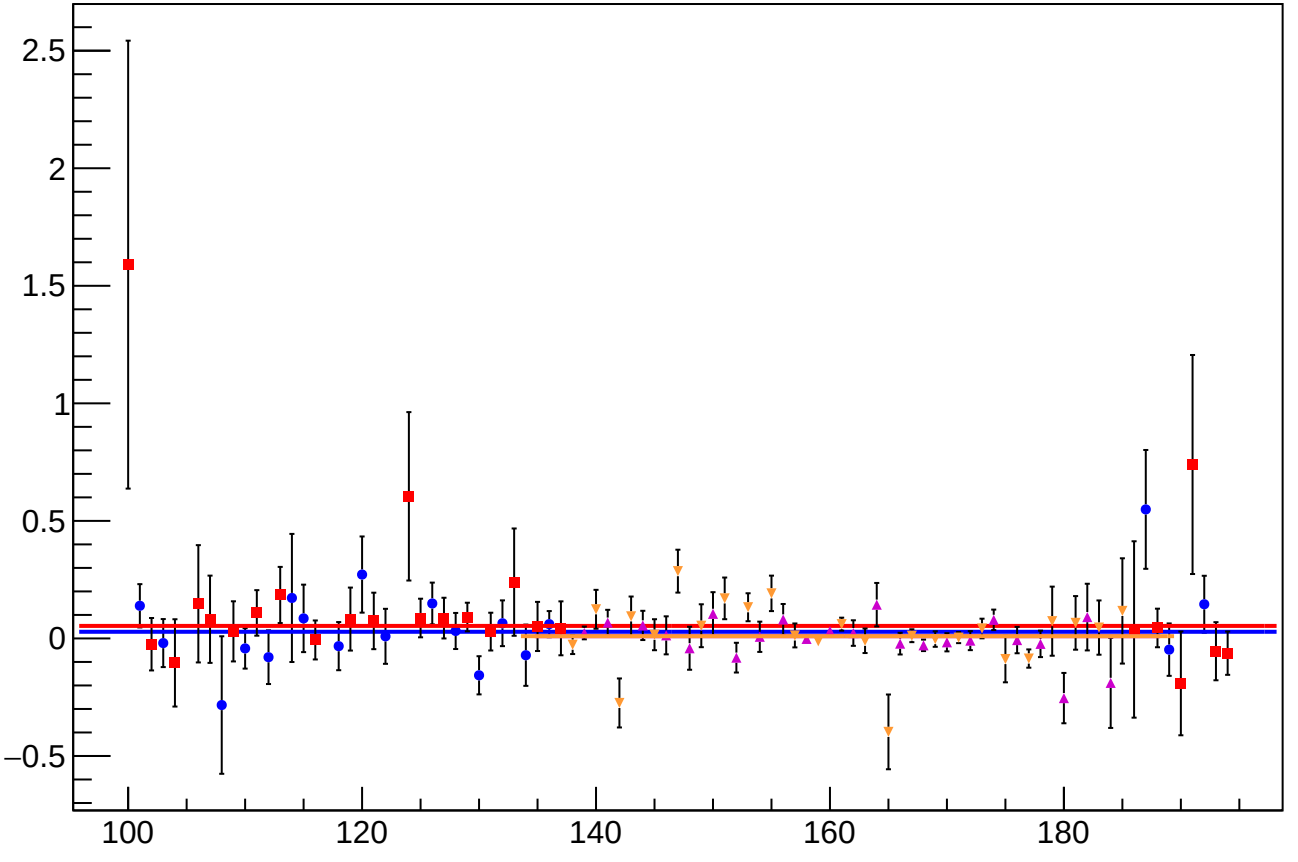
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6678470.6/43

All: 0.000+/-0.000 χ^2/NDF: 17435426.3/91

- sign 0.000+/-0.000 χ^2/NDF: 10561797.4/47

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: 0.053+/-0.023 χ^2/NDF: 15.7/24

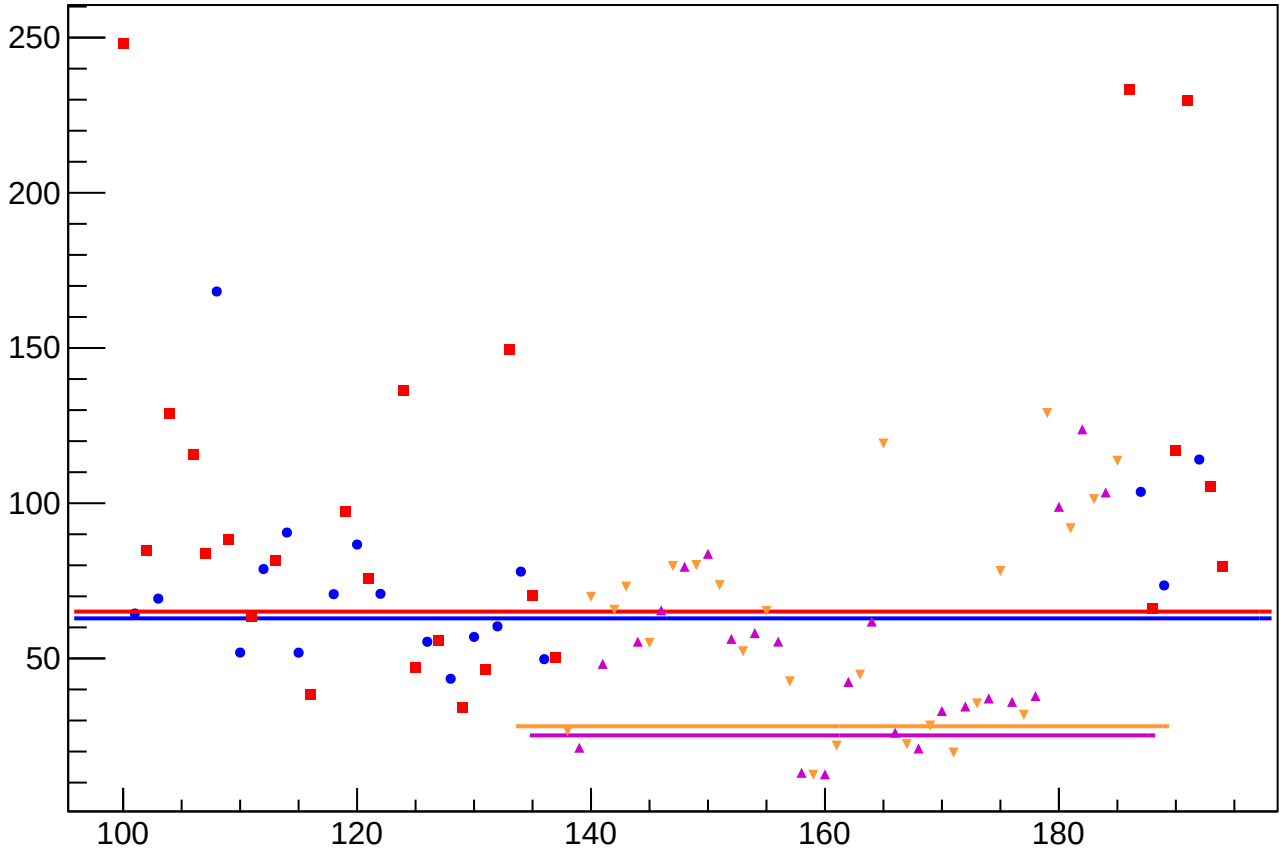
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.4/43

All: 0.013+/-0.005 χ^2/NDF: 120.7/91

- sign 0.014+/-0.007 χ^2/NDF: 44.2/47

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: 65.088+/-0.016 χ^2/NDF: 3075130.0/24

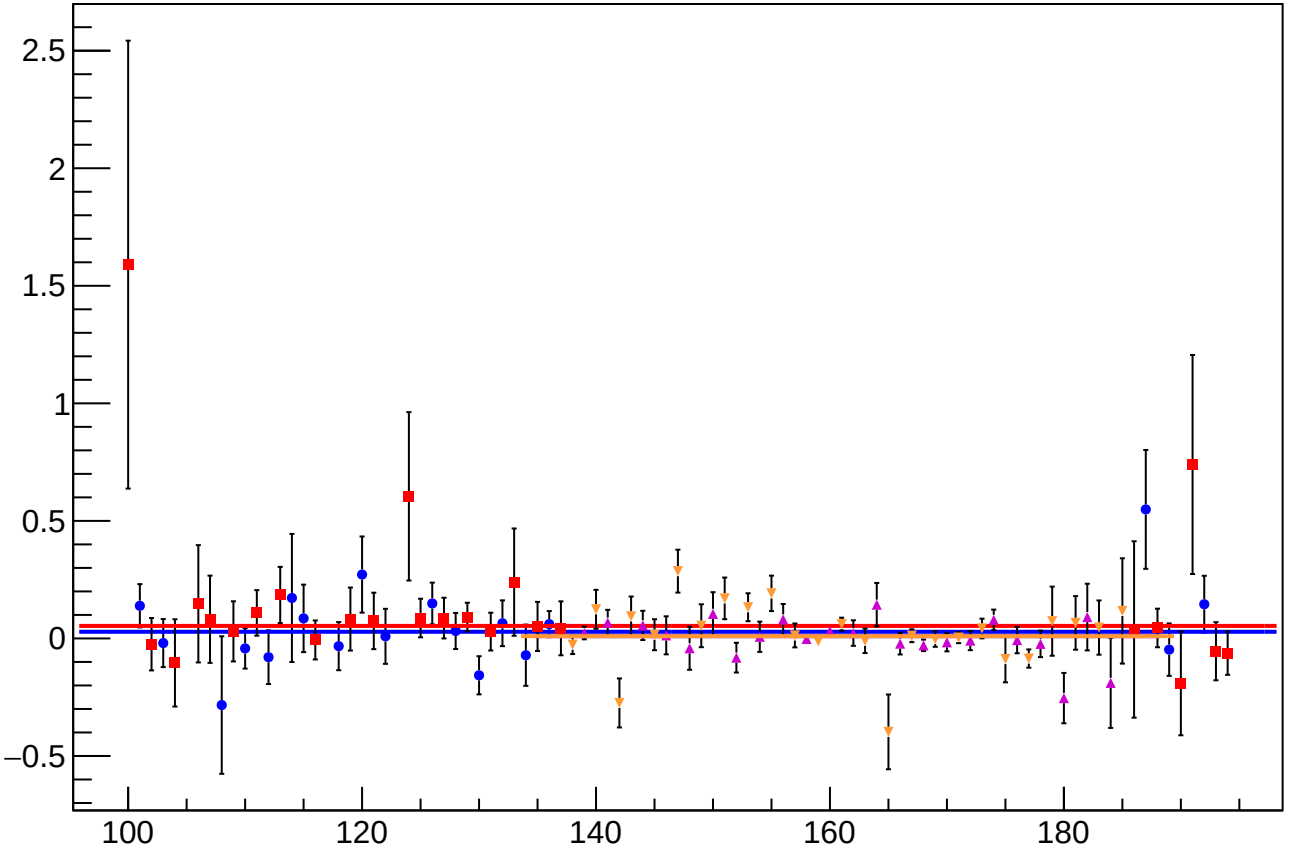
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 32.129+/-0.006 χ^2/NDF: 16092796.2/43

All: 30.741+/-0.004 χ^2/NDF: 34720148.8/91

- sign 29.514+/-0.005 χ^2/NDF: 18512807.5/47

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: 0.053+/-0.023 χ^2/NDF: 15.7/24

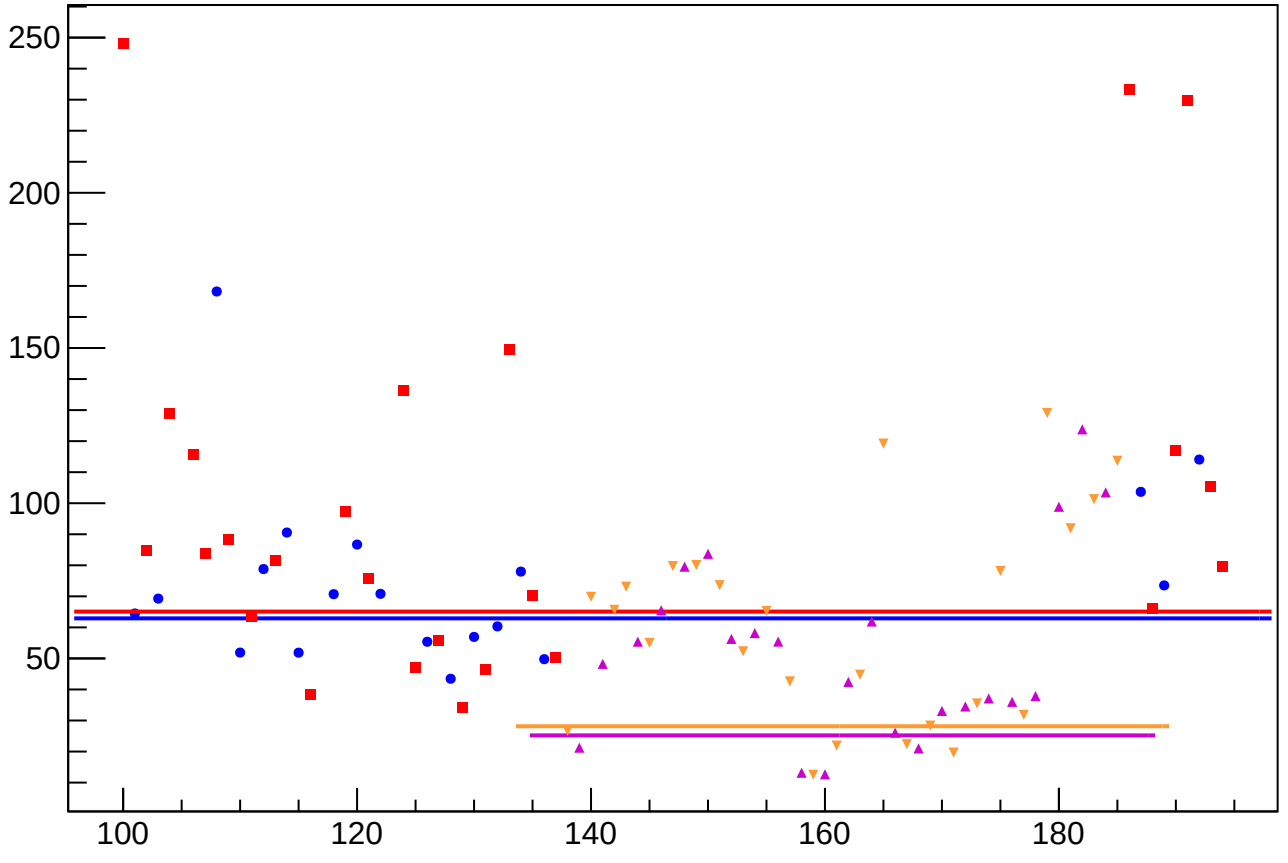
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.4/43

All: 0.013+/-0.005 χ^2/NDF: 120.7/91

- sign 0.014+/-0.007 χ^2/NDF: 44.2/47

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

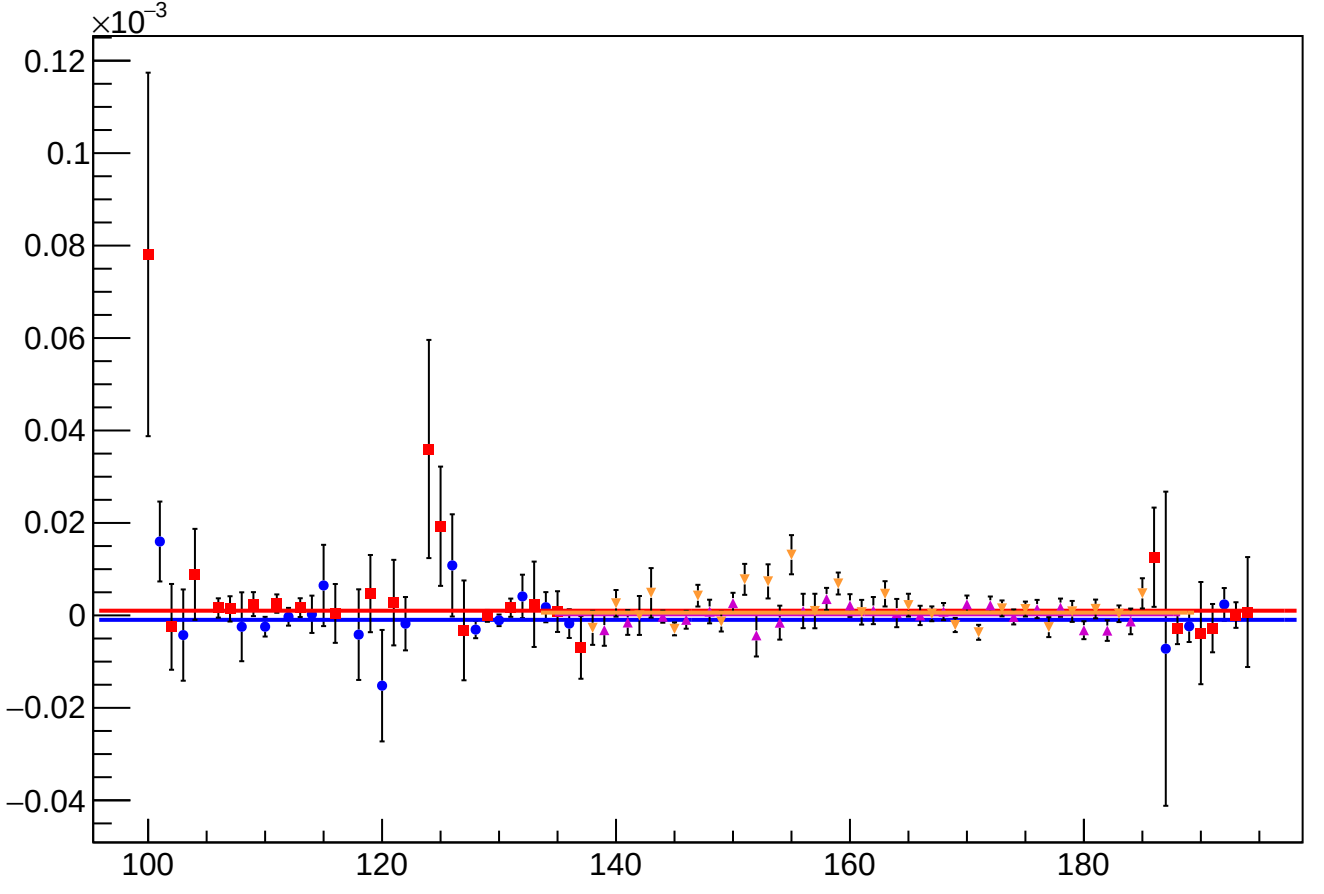
Right Out: 65.088+/-0.016 χ^2/NDF: 3075130.0/24

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 32.129+/-0.006 χ^2/NDF: 16092796.2/43

All: 30.741+/-0.004 χ^2/NDF: 34720148.8/91

- sign 29.514+/-0.005 χ^2/NDF: 18512807.5/47



Right In: -0.000+/-0.000 χ^2/NDF: 12.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/24

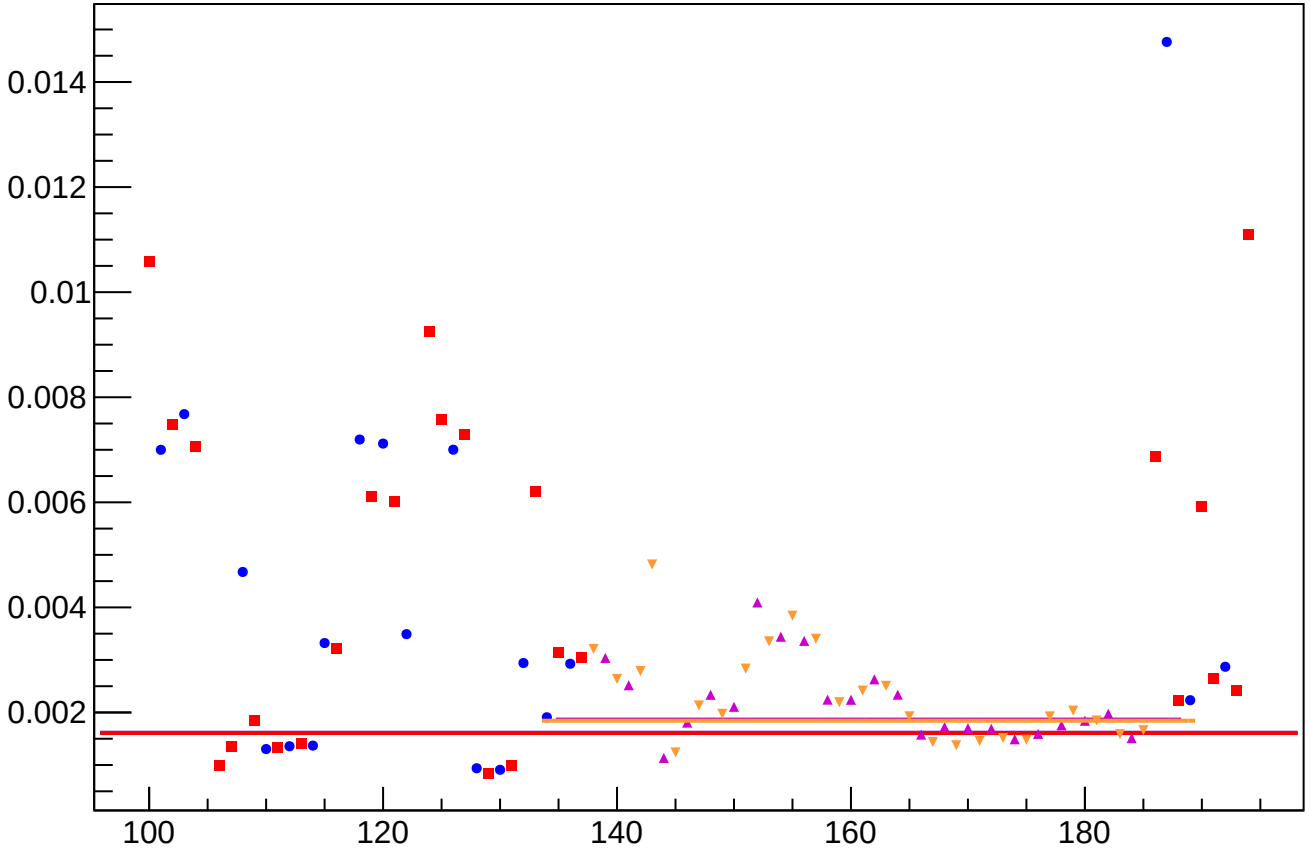
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.2/43

All: 0.000+/-0.000 χ^2/NDF: 102.0/91

- sign 0.000+/-0.000 χ^2/NDF: 33.4/47

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: 8285494.0/24

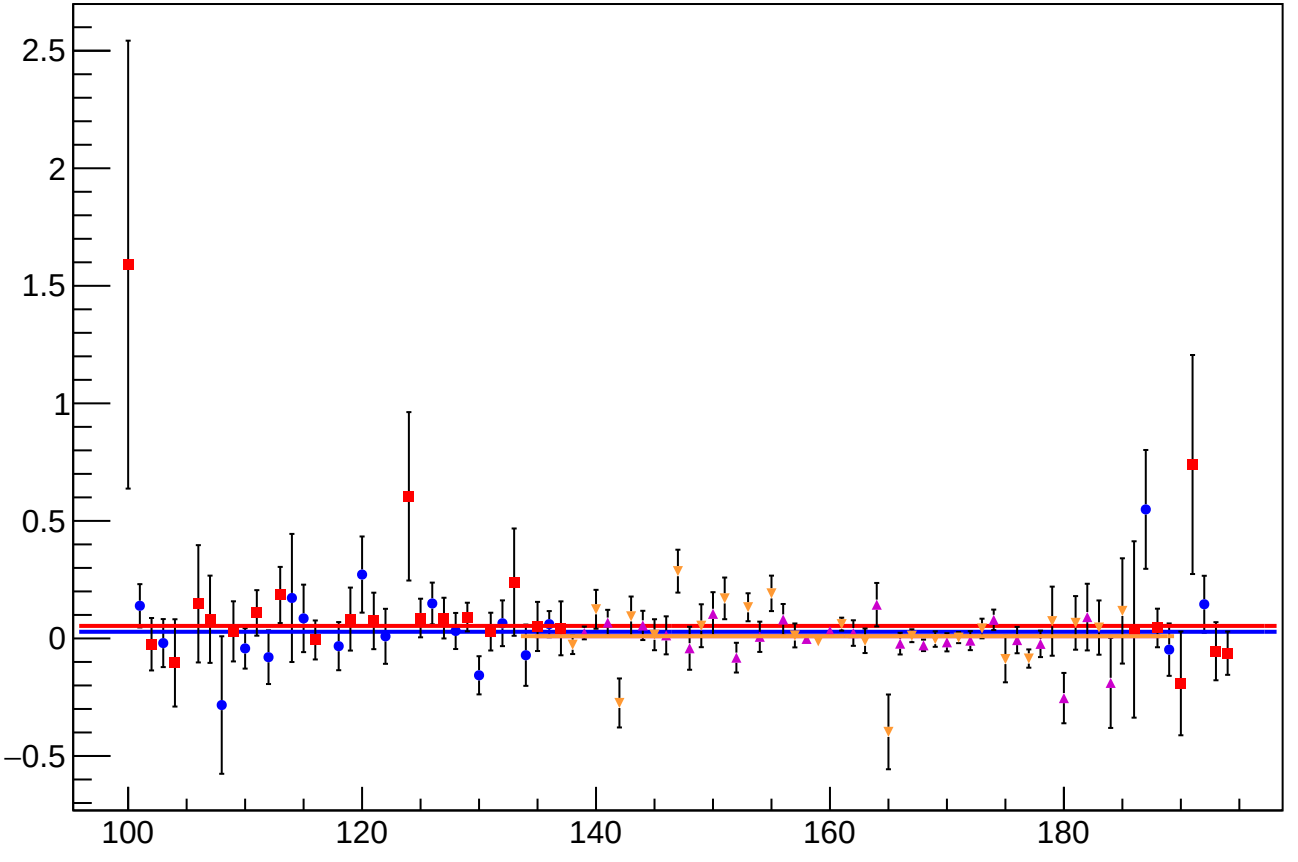
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 9765711.1/43

All: 0.002+/-0.000 χ^2/NDF: 21047861.7/91

- sign 0.002+/-0.000 χ^2/NDF: 11282078.5/47

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: 0.053+/-0.023 χ^2/NDF: 15.7/24

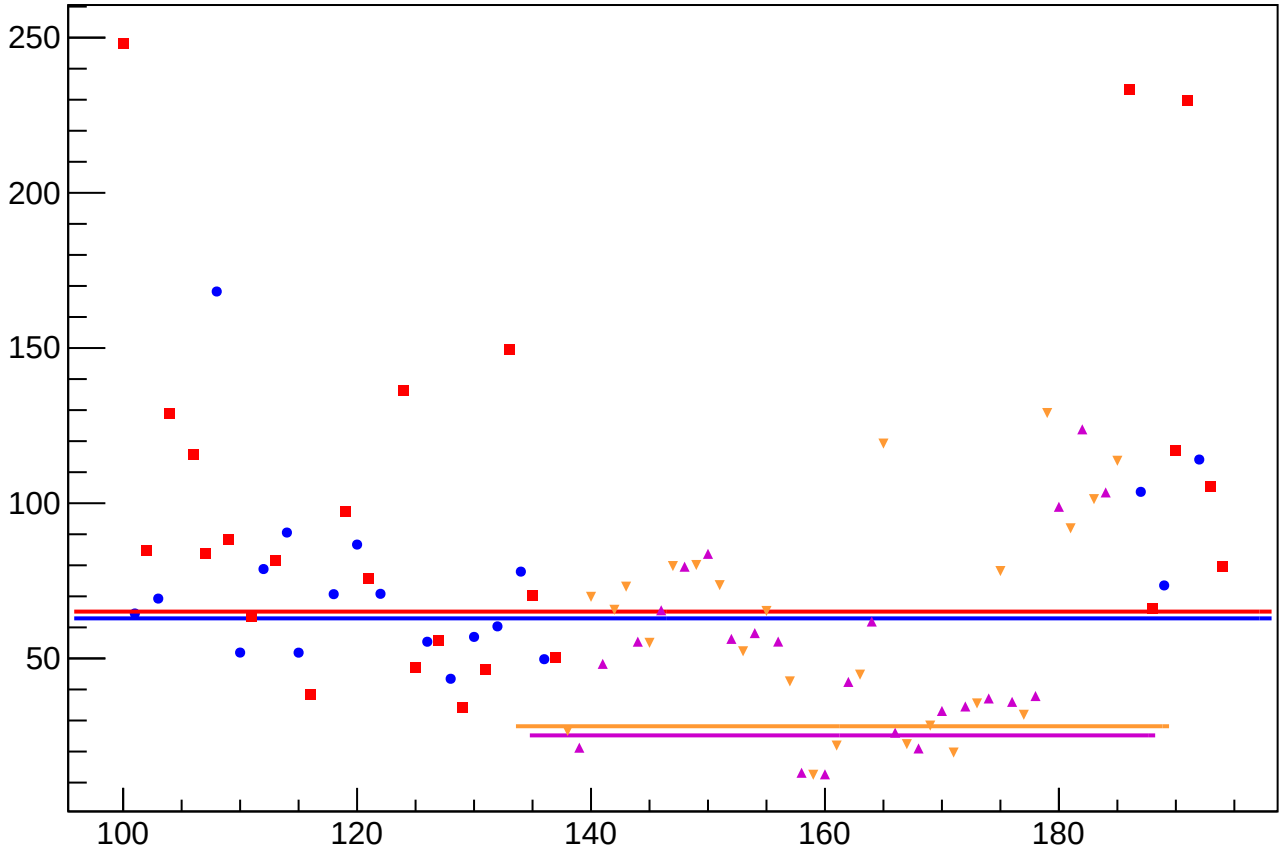
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.4/43

All: 0.013+/-0.005 χ^2/NDF: 120.7/91

- sign 0.014+/-0.007 χ^2/NDF: 44.2/47

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: 65.089+/-0.016 χ^2/NDF: 3075190.7/24

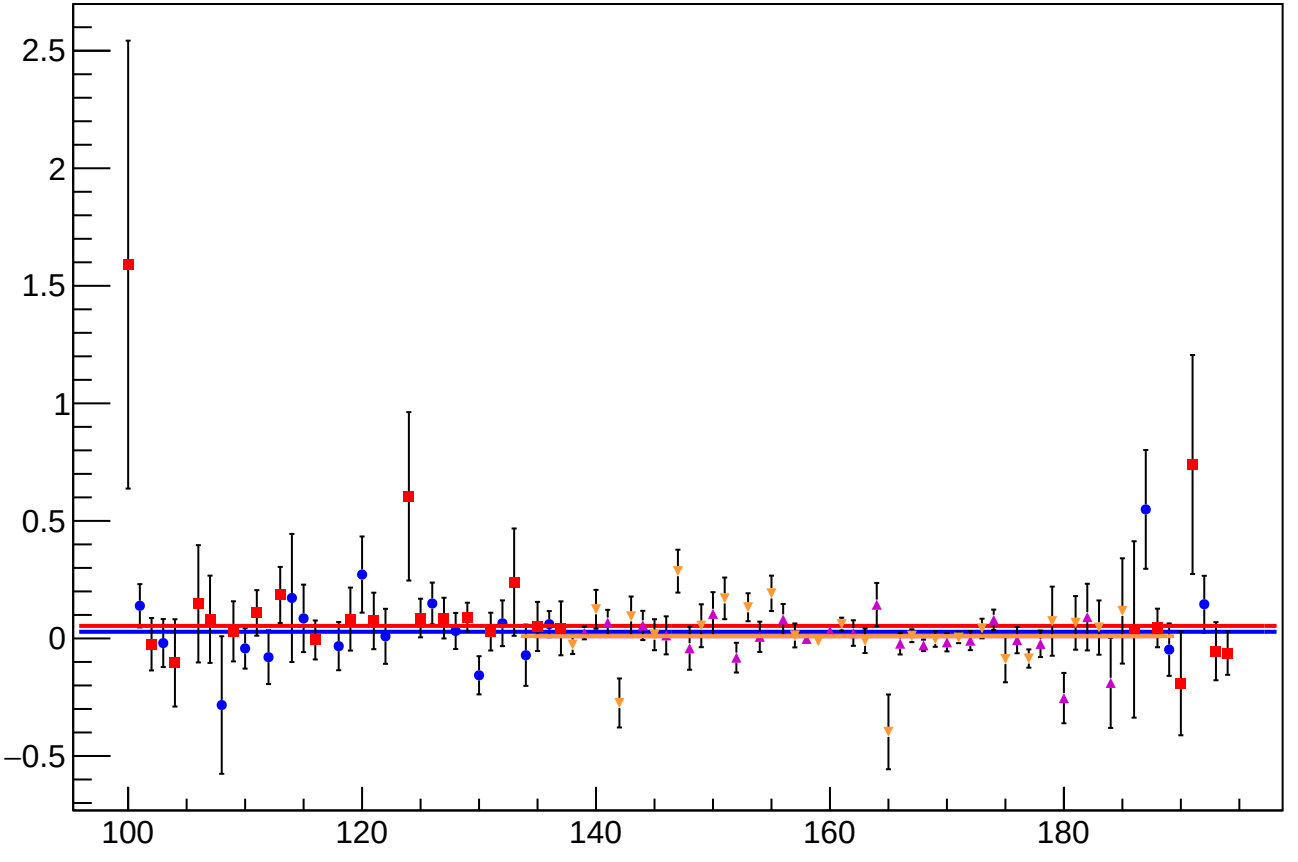
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 32.128+/-0.006 χ^2/NDF: 16094283.8/43

All: 30.741+/-0.004 χ^2/NDF: 34722371.4/91

- sign 29.514+/-0.005 χ^2/NDF: 18513613.8/47

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: 0.053+/-0.023 χ^2/NDF: 15.7/24

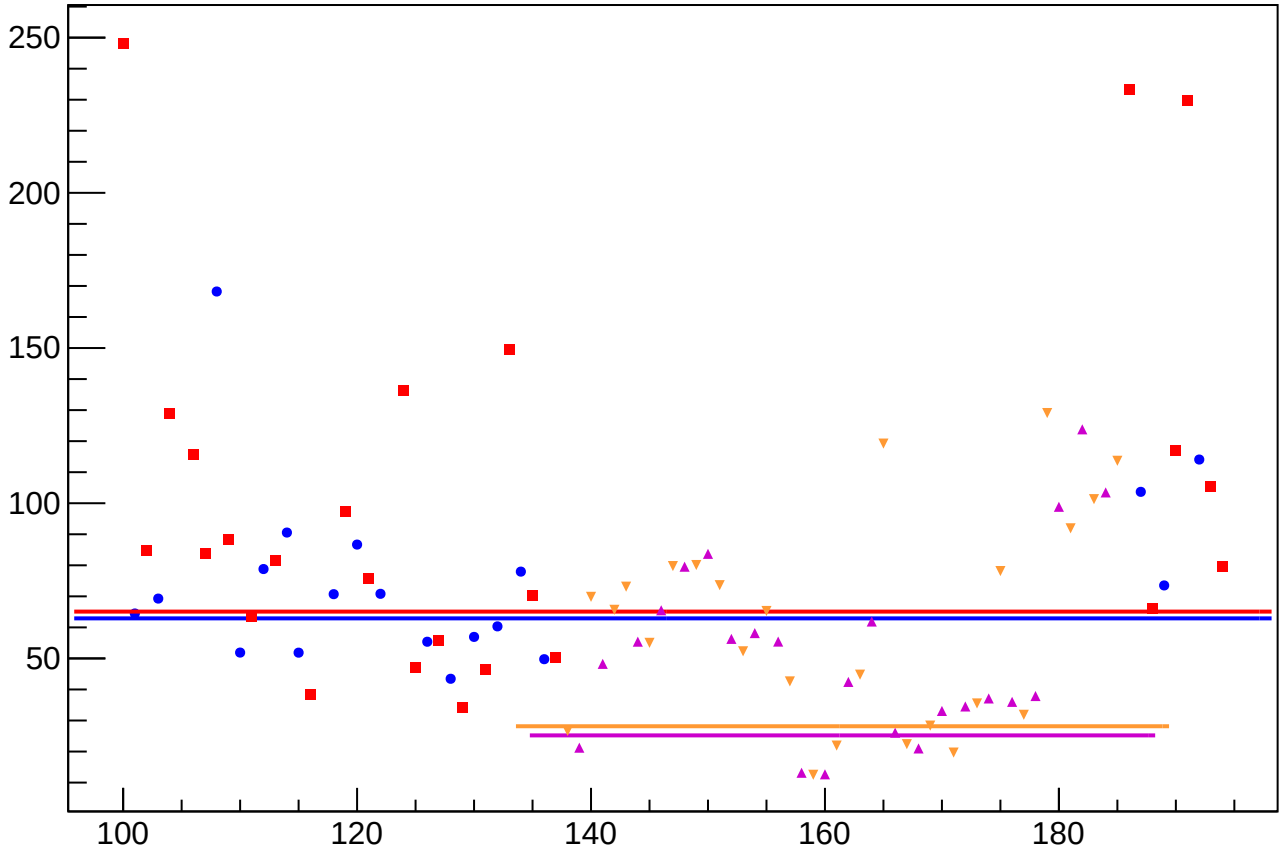
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.008 χ^2/NDF: 76.4/43

All: 0.013+/-0.005 χ^2/NDF: 120.7/91

- sign 0.014+/-0.007 χ^2/NDF: 44.2/47

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

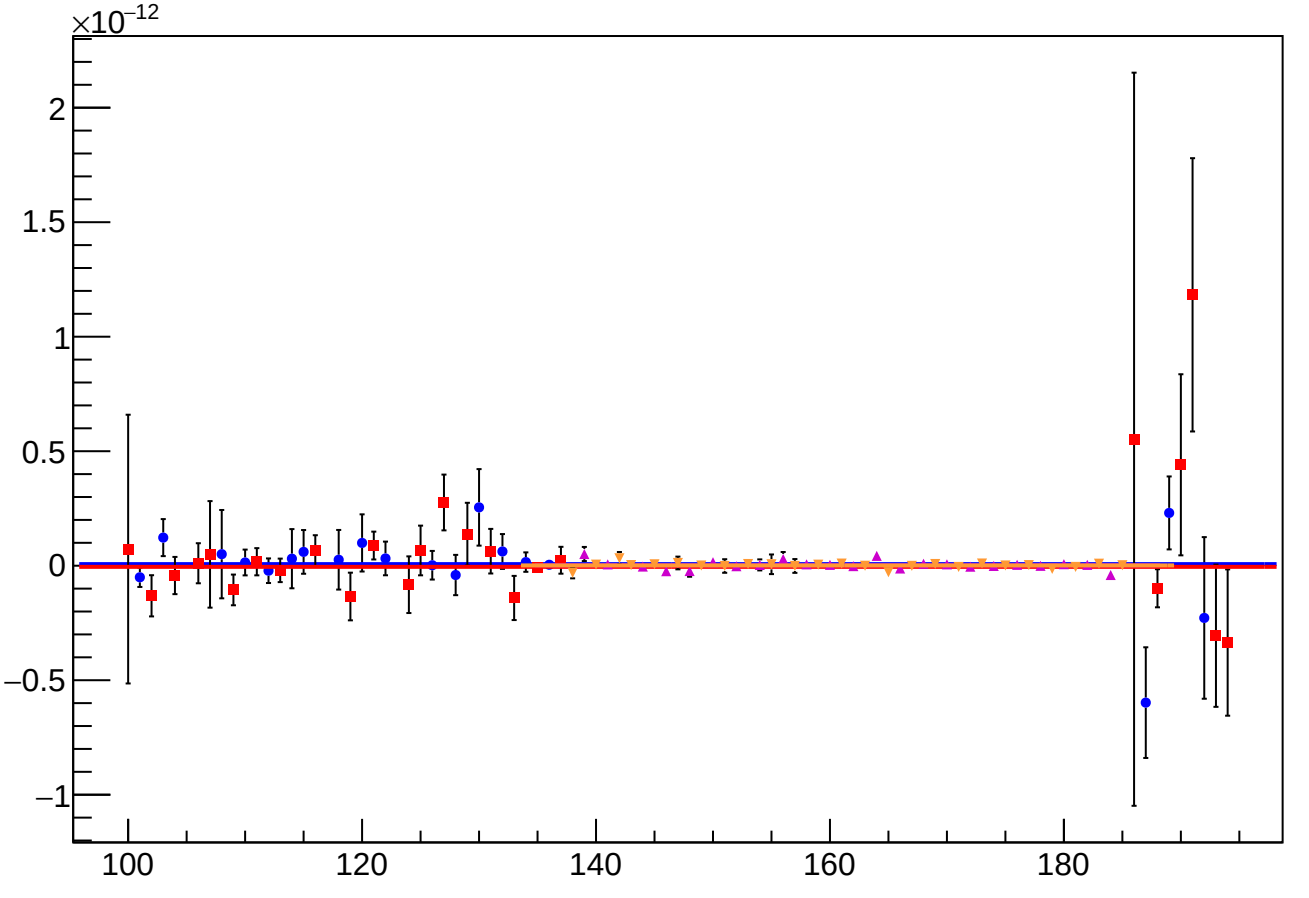
Right Out: 65.089+/-0.016 χ^2/NDF: 3075190.7/24

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 32.128+/-0.006 χ^2/NDF: 16094283.8/43

All: 30.741+/-0.004 χ^2/NDF: 34722371.4/91

- sign 29.514+/-0.005 χ^2/NDF: 18513613.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/24

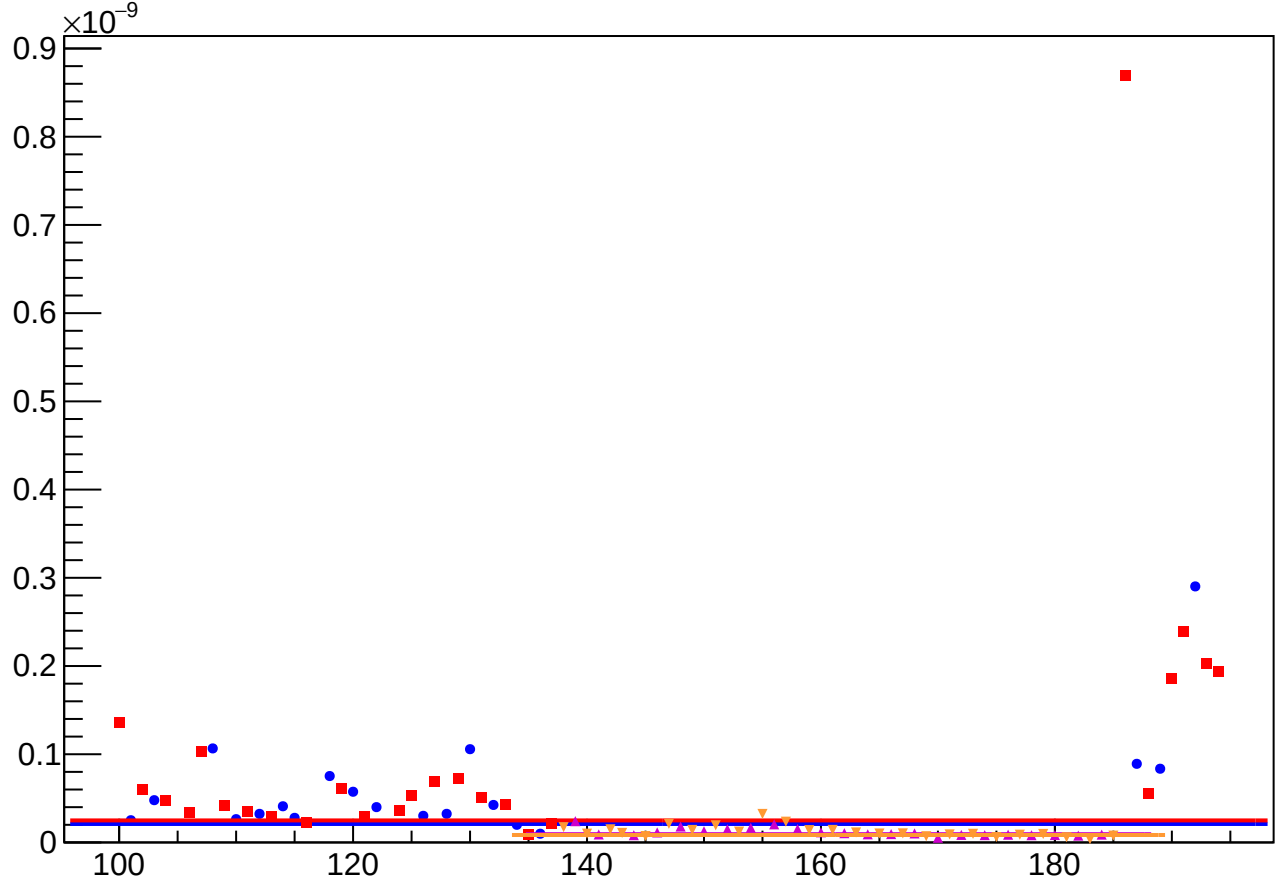
Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.5/43

All: 0.000+/-0.000 χ^2/NDF: 78.0/91

- sign 0.000+/-0.000 χ^2/NDF: 49.4/47

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: 6193650.8/24

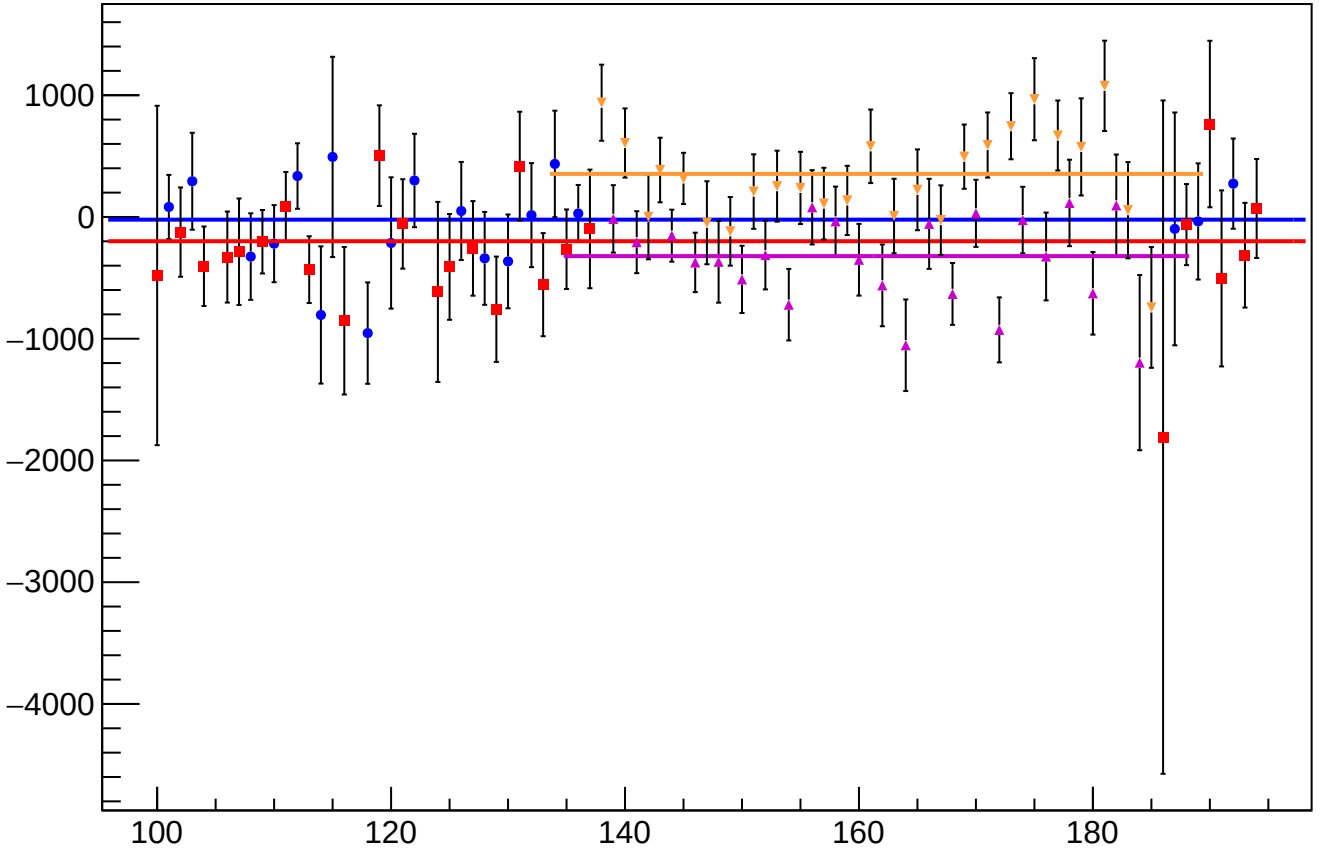
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11140179.3/43

All: 0.000+/-0.000 χ^2/NDF: 22235477.5/91

- sign 0.000+/-0.000 χ^2/NDF: 10953688.9/47

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: -199.121+/-80.566 χ^2/NDF: 14.7/24

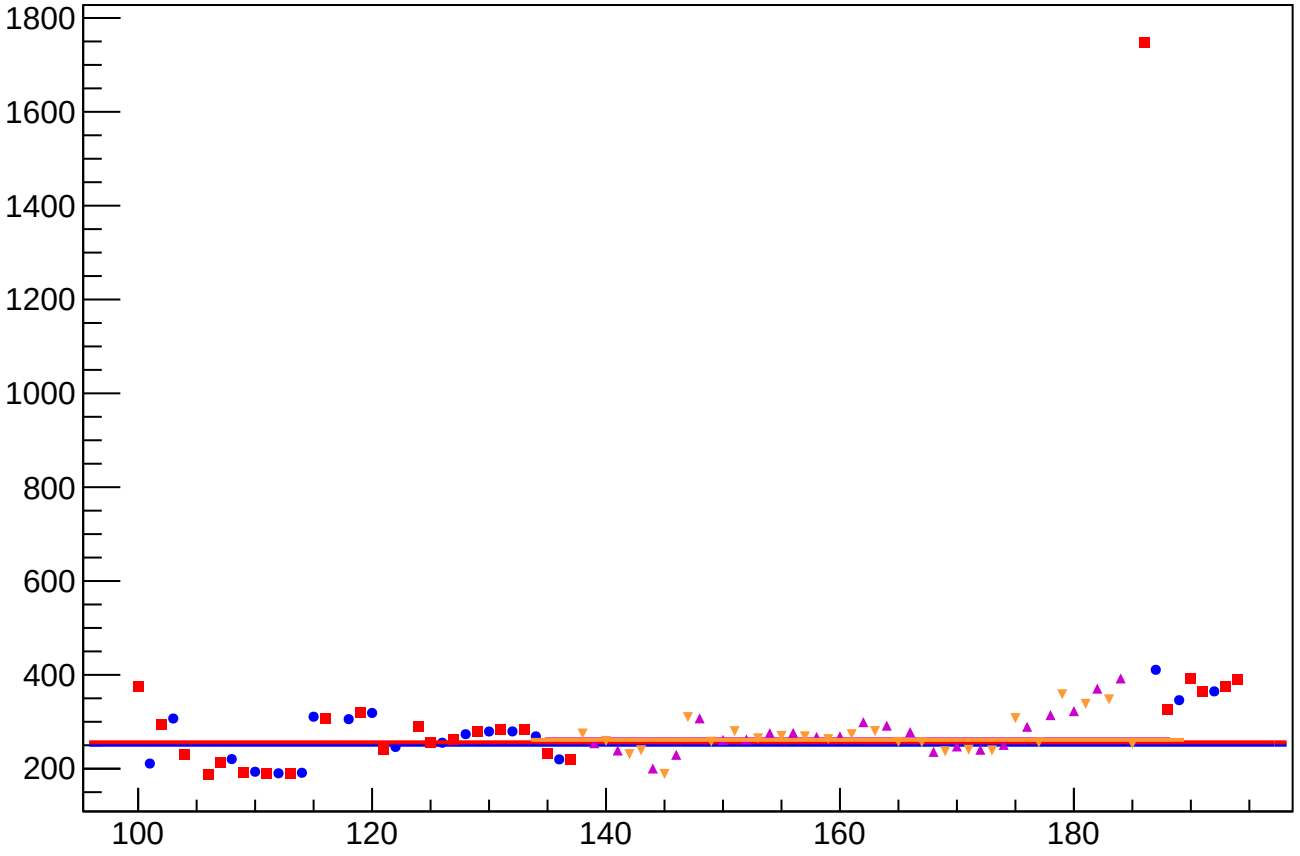
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 230.634+/-49.329 χ^2/NDF: 60.2/43

All: -23.336+/-34.832 χ^2/NDF: 155.5/91

- sign -275.883+/-49.191 χ^2/NDF: 42.4/47

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: 256.266+/-0.057 χ^2/NDF: 1761691.6/24

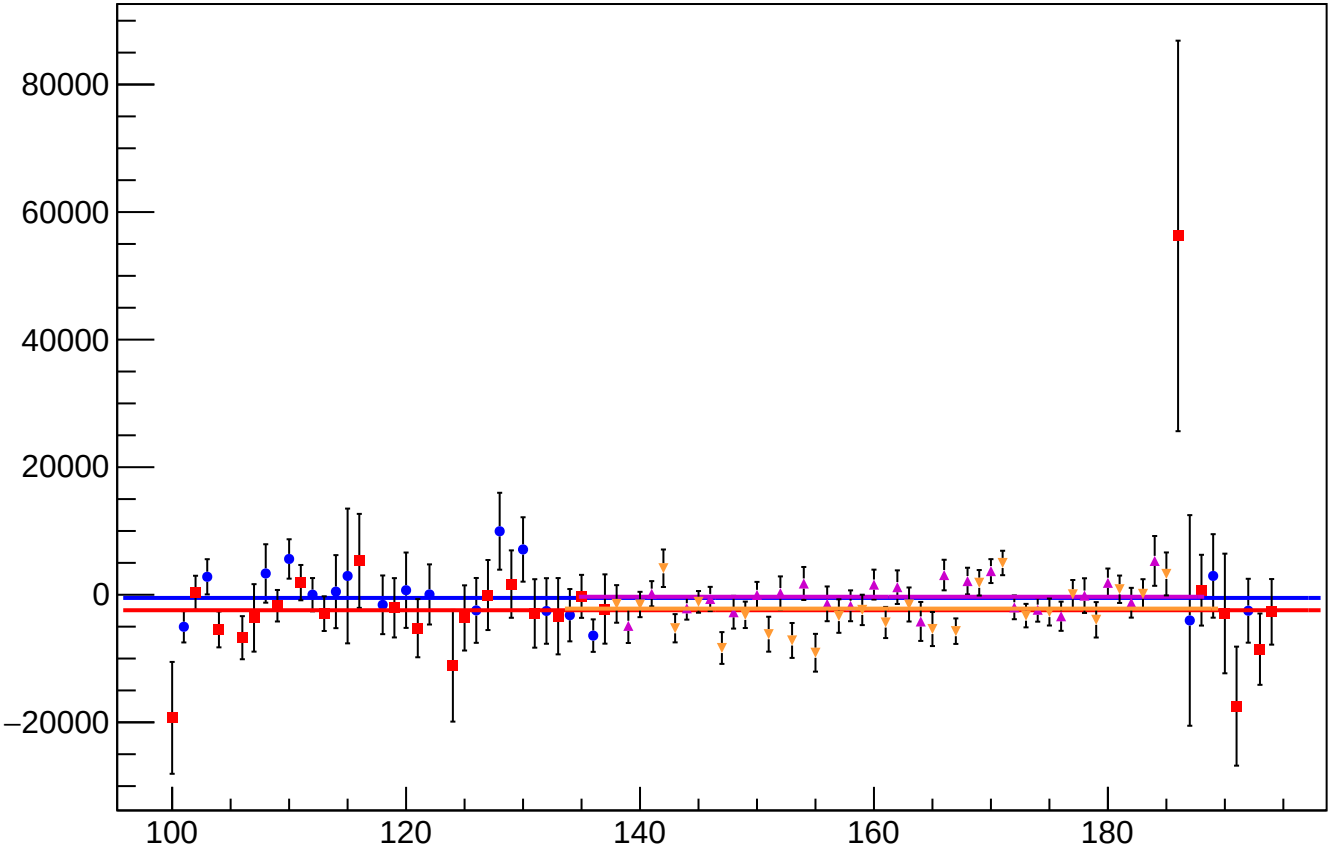
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 258.077+/-0.035 χ^2/NDF: 1492179.0/43

All: 259.166+/-0.025 χ^2/NDF: 3934253.6/91

- sign 260.249+/-0.035 χ^2/NDF: 2440130.1/47

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: -2426.509+/-852.218 χ^2/NDF: 21.7/24

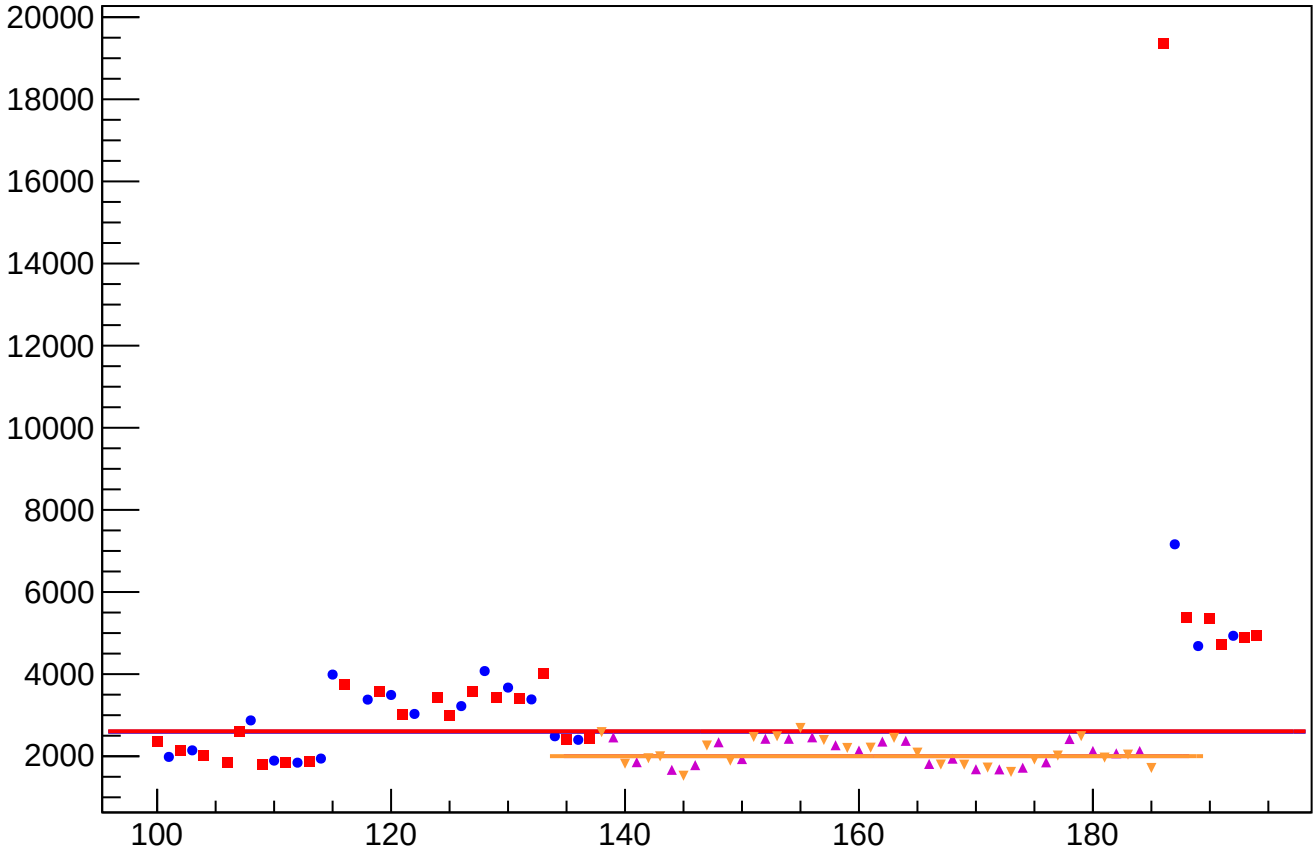
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1835.126+/-412.637 χ^2/NDF: 79.8/43

All: -1326.137+/-292.363 χ^2/NDF: 132.9/91

- sign -813.050+/-414.295 χ^2/NDF: 50.1/47

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: 2608.119+/-0.603 χ^2/NDF: 3339749.5/24

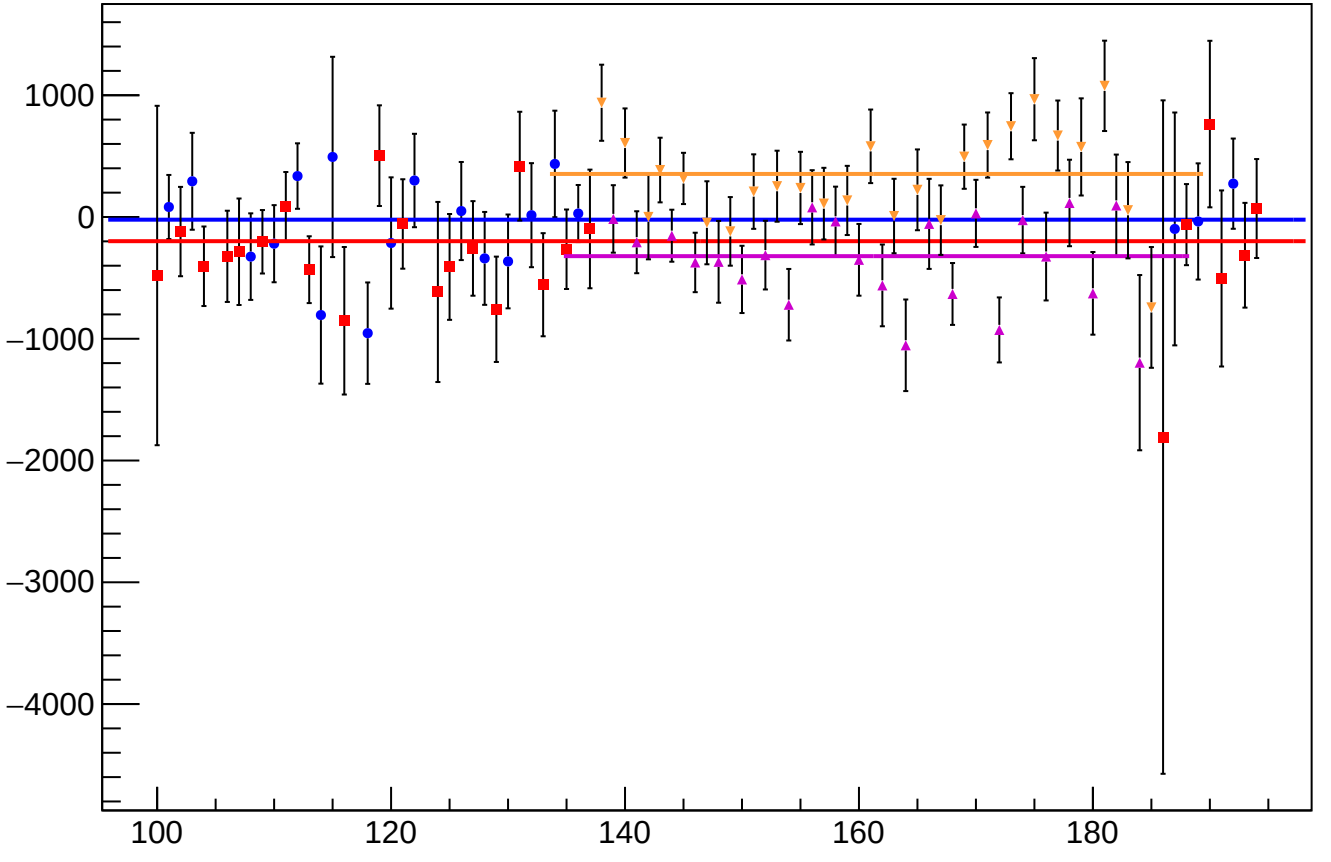
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2121.902+/-0.292 χ^2/NDF: 3291818.2/43

All: 2134.379+/-0.207 χ^2/NDF: 8107041.8/91

- sign 2146.958+/-0.293 χ^2/NDF: 4811551.3/47

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: -198.565+/-80.576 χ^2/NDF: 14.7/24

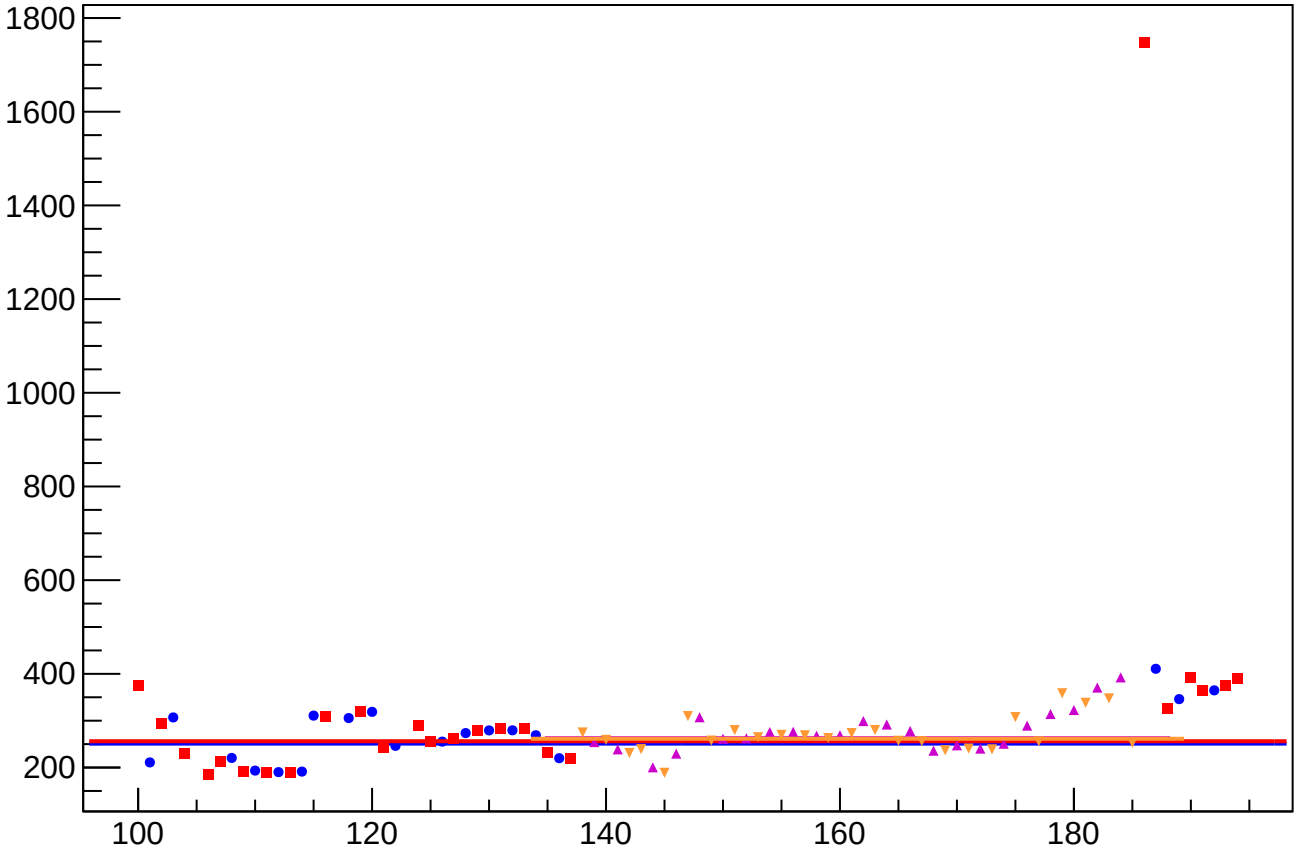
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 230.644+/-49.329 χ^2/NDF: 60.3/43

All: -23.220+/-34.833 χ^2/NDF: 155.4/91

- sign -275.687+/-49.194 χ^2/NDF: 42.4/47

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: 256.170+/-0.057 χ^2/NDF: 1766527.2/24

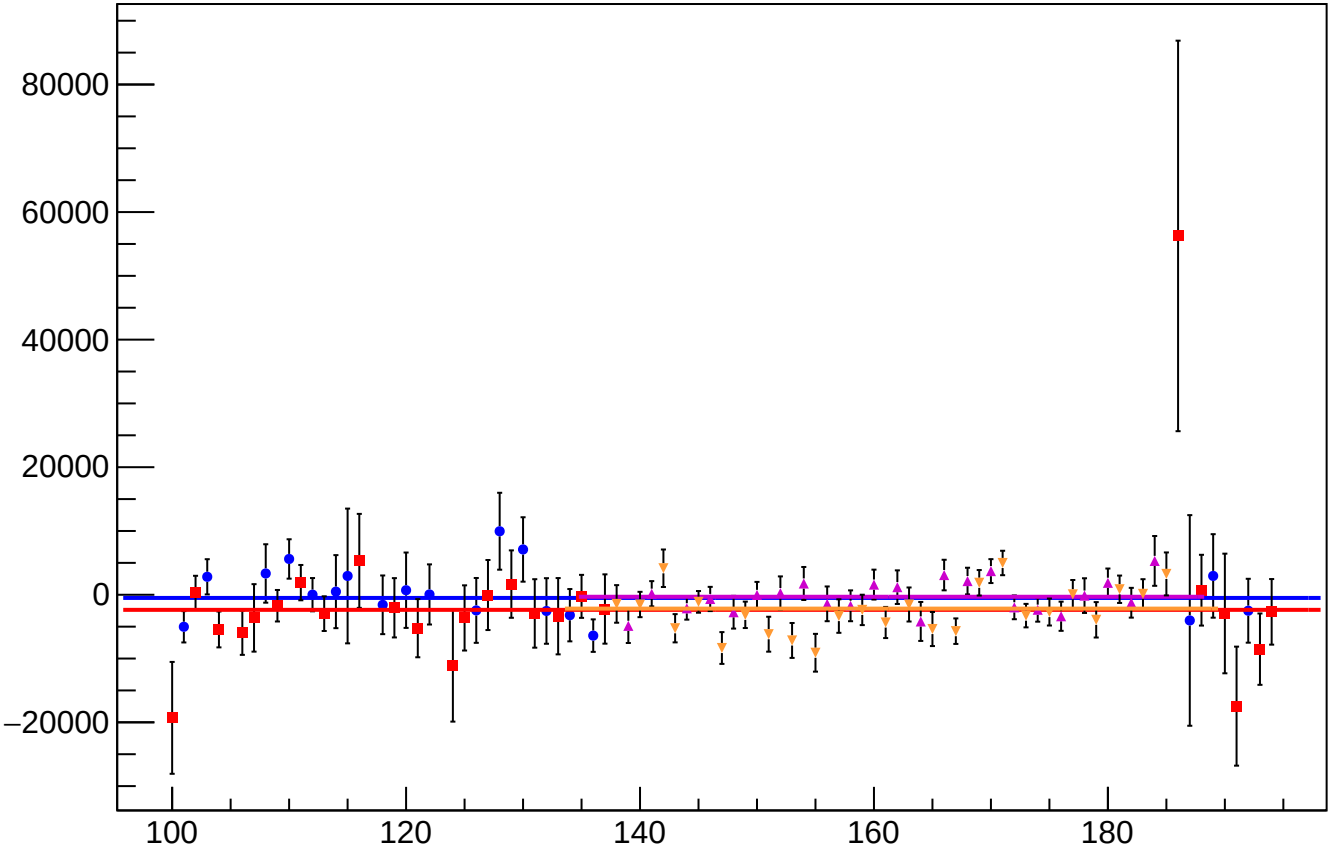
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 258.077+/-0.035 χ^2/NDF: 1492180.9/43

All: 259.148+/-0.025 χ^2/NDF: 3939265.4/91

- sign 260.213+/-0.035 χ^2/NDF: 2445203.3/47

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: -2366.209+/-853.682 χ^2/NDF: 21.1/24

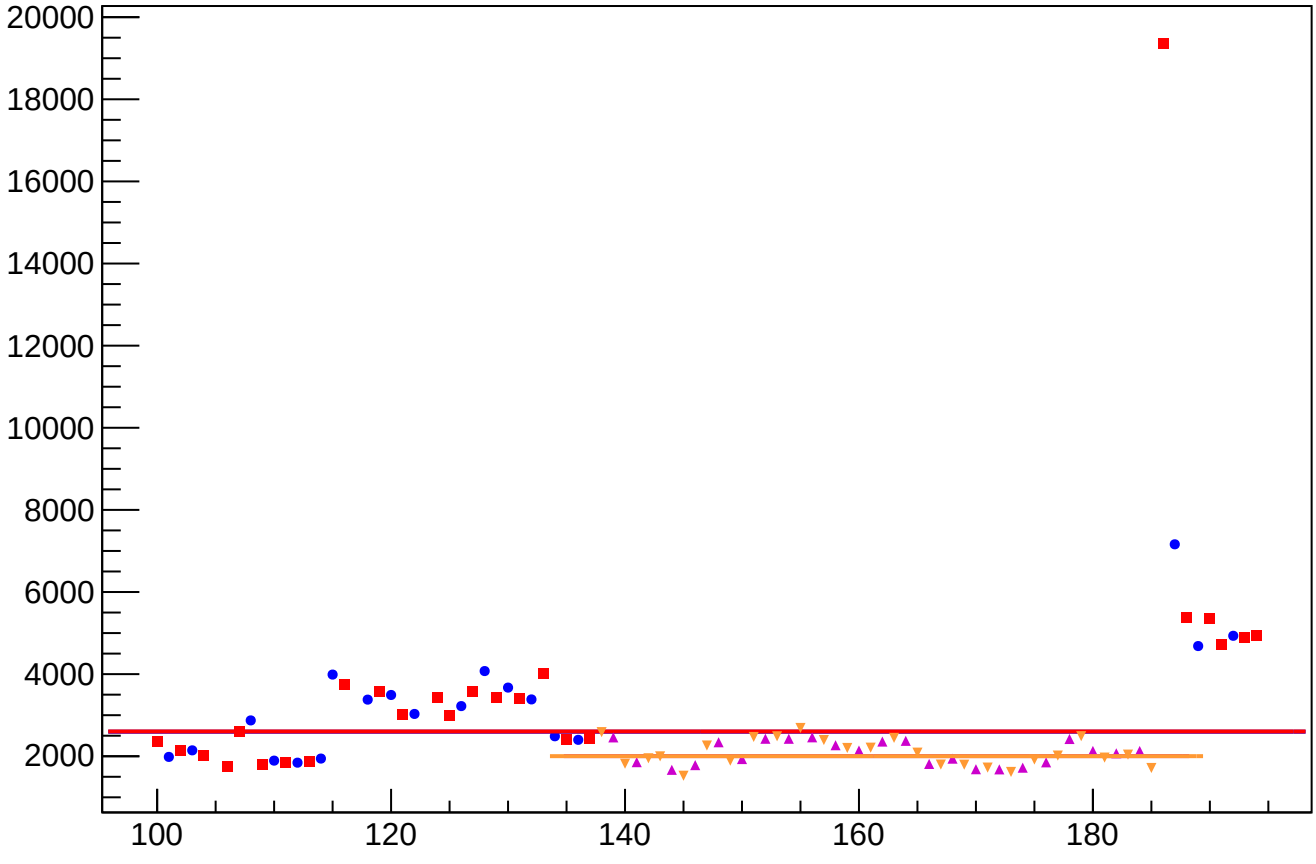
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1835.139+/-412.638 χ^2/NDF: 79.8/43

All: -1318.626+/-292.422 χ^2/NDF: 132.1/91

- sign -797.533+/-414.463 χ^2/NDF: 49.2/47

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: 2604.026+/-0.604 χ^2/NDF: 3364216.0/24

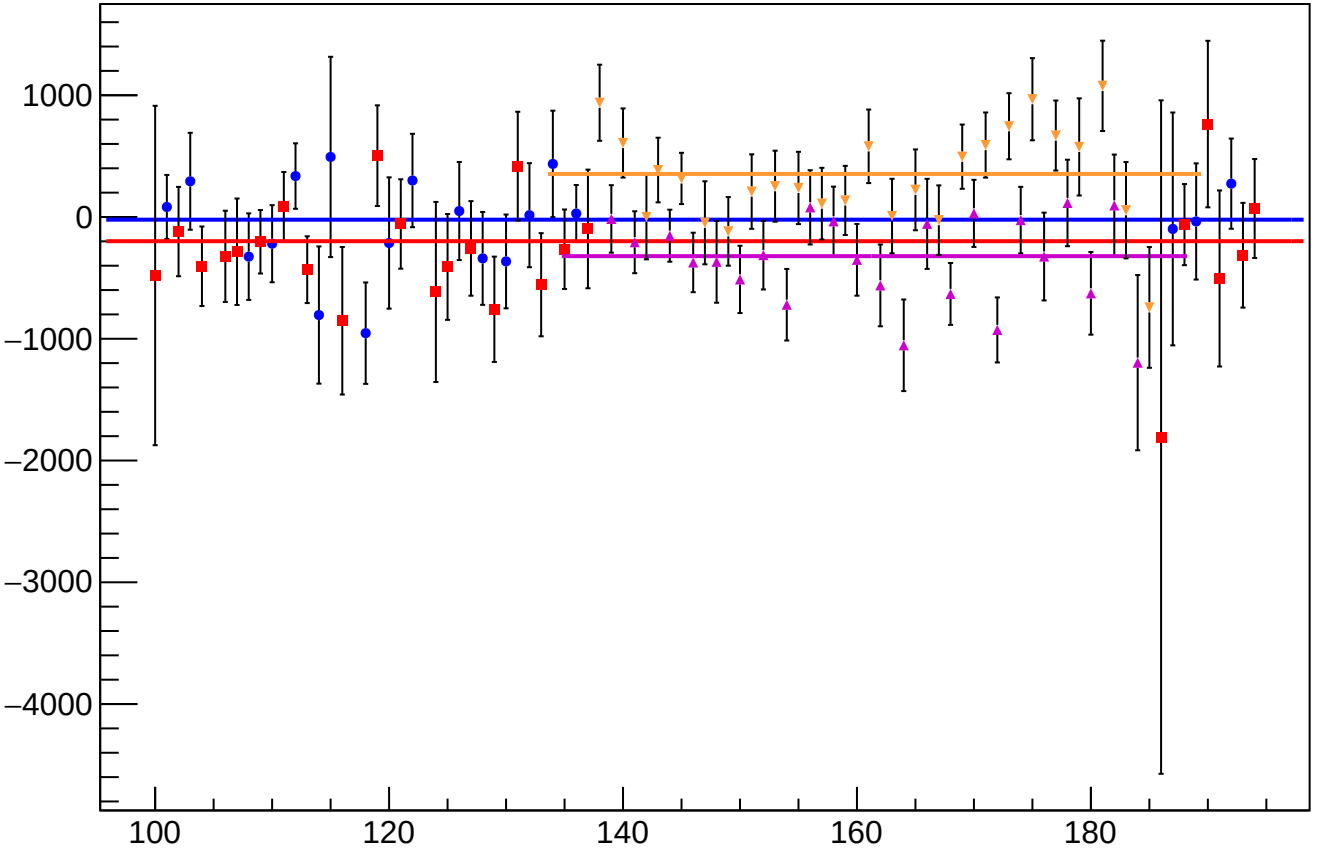
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2121.905+/-0.292 χ^2/NDF: 3291819.0/43

All: 2133.710+/-0.207 χ^2/NDF: 8118782.4/91

- sign 2145.619+/-0.293 χ^2/NDF: 4823675.2/47

eigen_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: -198.565+/-80.576 χ^2/NDF: 14.7/24

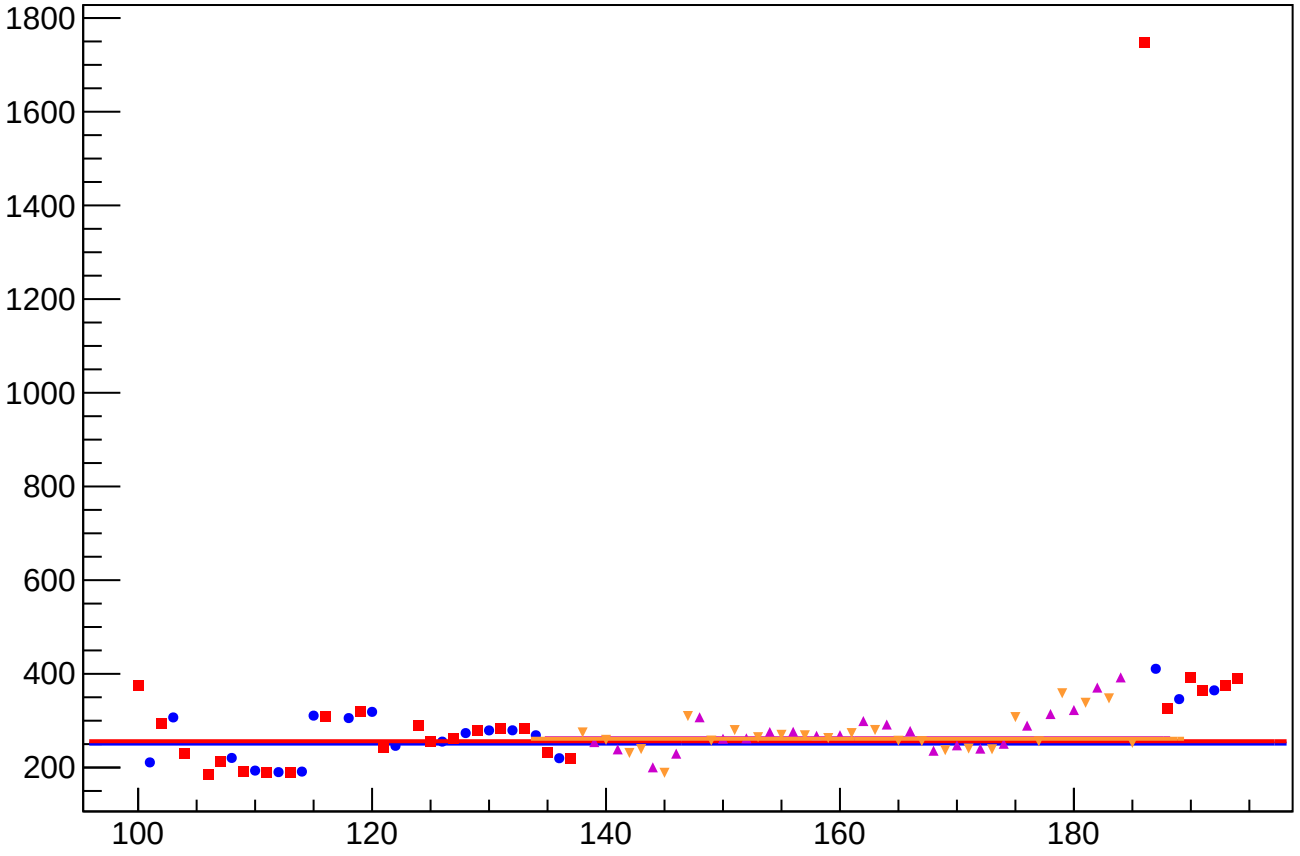
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 230.644+/-49.329 χ^2/NDF: 60.3/43

All: -23.220+/-34.833 χ^2/NDF: 155.4/91

- sign -275.687+/-49.194 χ^2/NDF: 42.4/47

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: 256.170+/-0.057 χ^2/NDF: 1766527.2/24

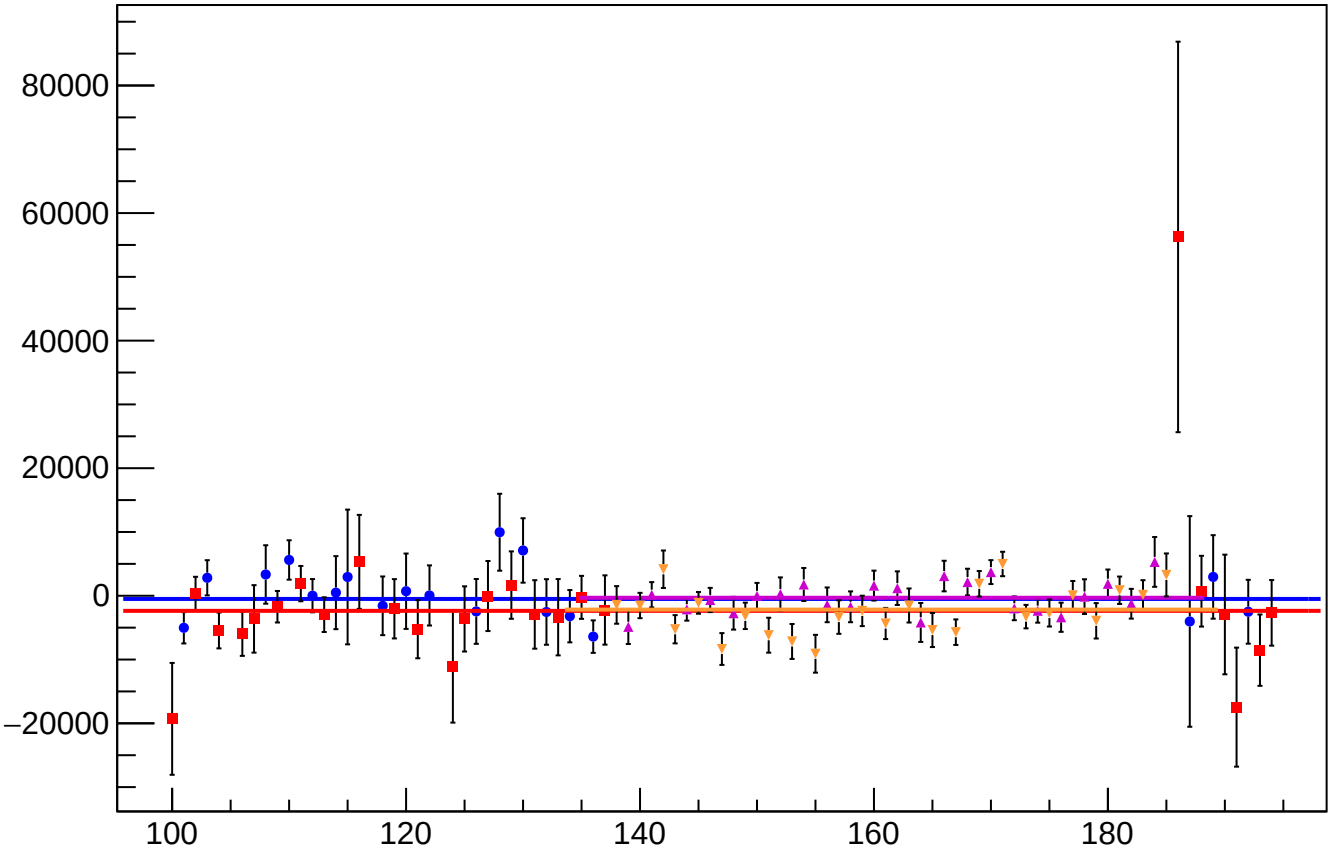
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 258.077+/-0.035 χ^2/NDF: 1492180.9/43

All: 259.148+/-0.025 χ^2/NDF: 3939265.4/91

- sign 260.213+/-0.035 χ^2/NDF: 2445203.3/47

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: -2366.209+/-853.682 χ^2/NDF: 21.1/24

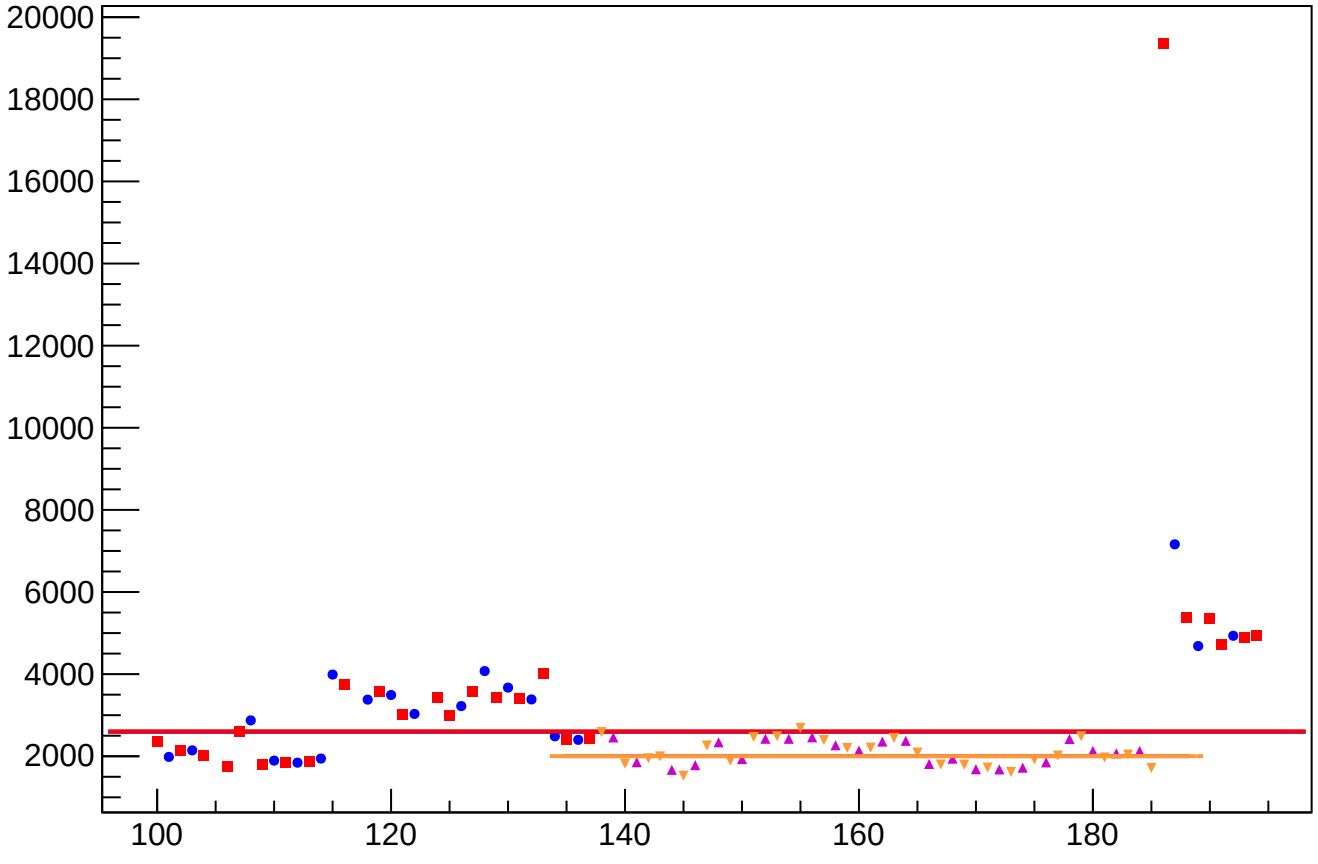
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1835.139+/-412.638 χ^2/NDF: 79.8/43

All: -1318.626+/-292.422 χ^2/NDF: 132.1/91

- sign -797.533+/-414.463 χ^2/NDF: 49.2/47

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: 2604.026+/-0.604 χ^2/NDF: 3364216.0/24

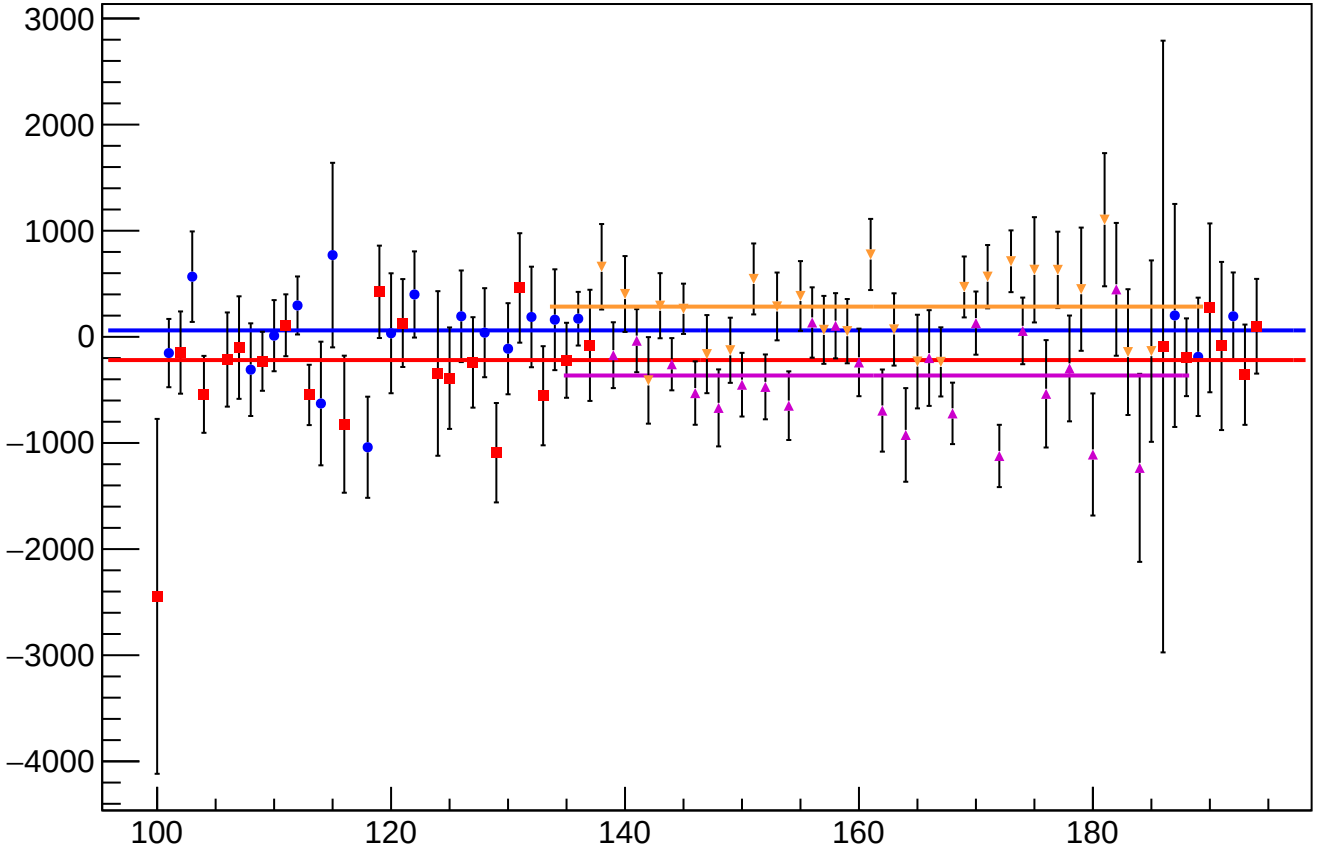
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2121.905+/-0.292 χ^2/NDF: 3291819.0/43

All: 2133.710+/-0.207 χ^2/NDF: 8118782.4/91

- sign 2145.619+/-0.293 χ^2/NDF: 4823675.2/47

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: -218.772+/-87.402 χ^2/NDF: 16.0/24

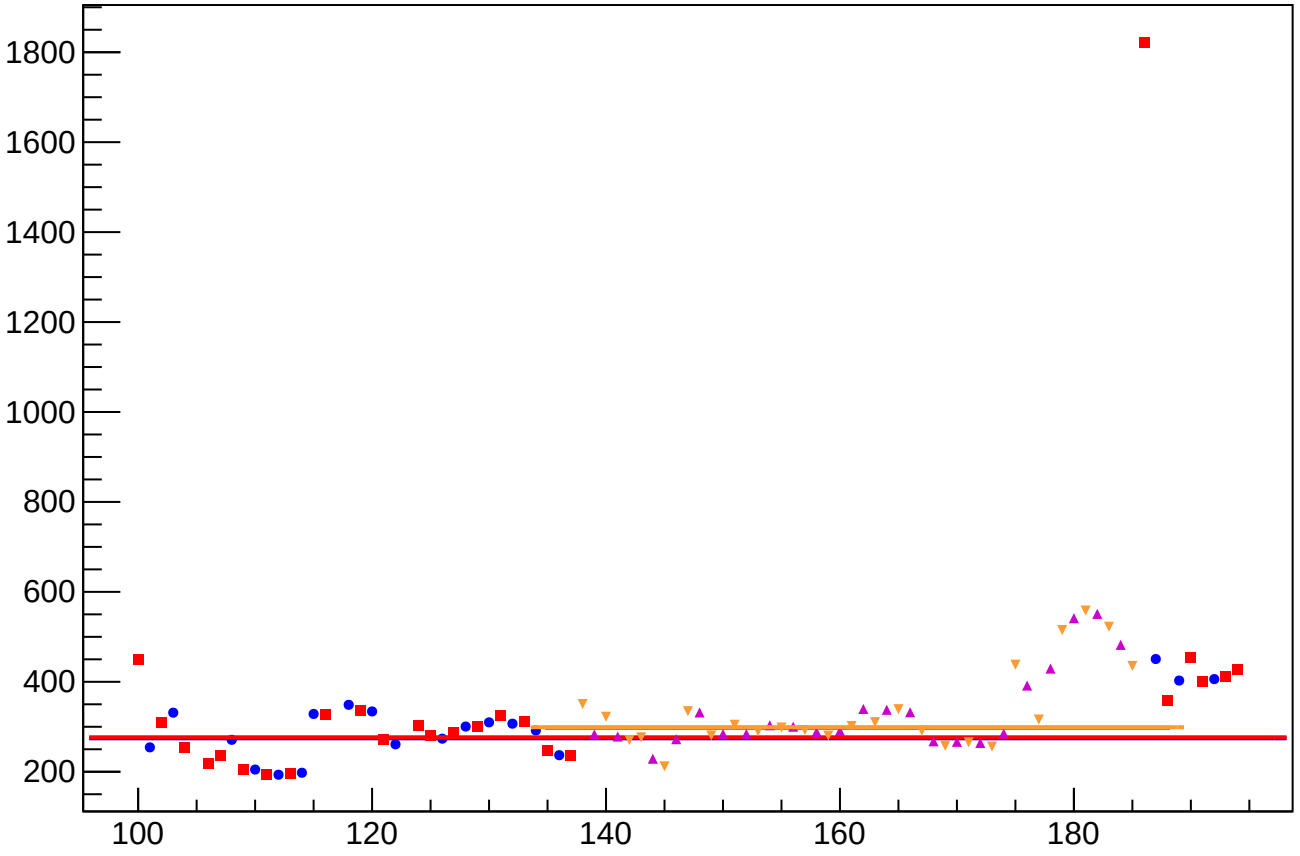
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 205.652+/-56.306 χ^2/NDF: 38.8/43

All: -53.969+/-39.505 χ^2/NDF: 126.5/91

- sign -305.665+/-55.440 χ^2/NDF: 45.8/47

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: 276.604+/-0.062 χ^2/NDF: 1877956.6/24

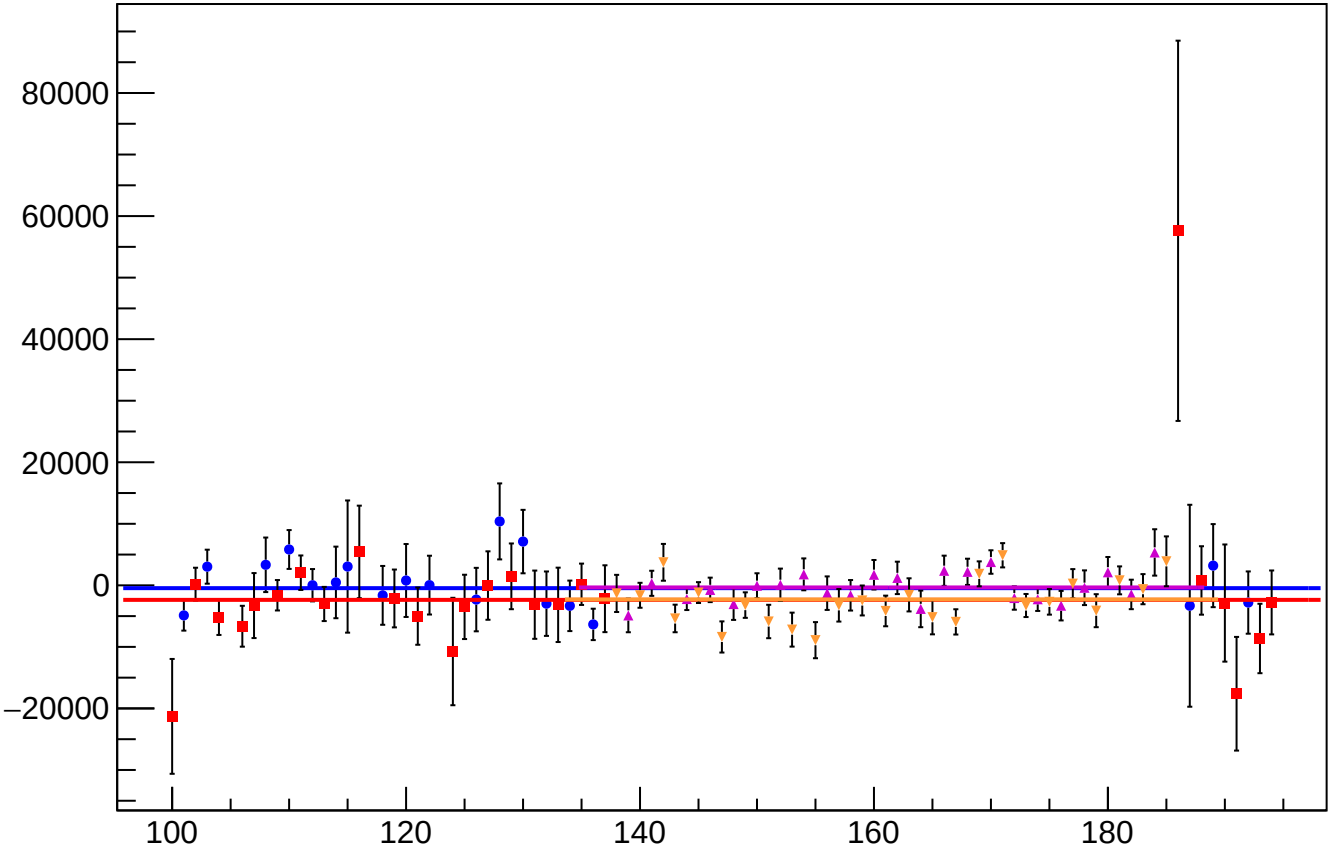
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

\+ sign 290.238+/-0.040 χ^2/NDF: 2564584.8/43

All: 289.773+/-0.028 χ^2/NDF: 5832735.2/91

\- sign 289.323+/-0.039 χ^2/NDF: 3267882.2/47

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: -2360.762+/-858.684 χ^2/NDF: 22.1/24

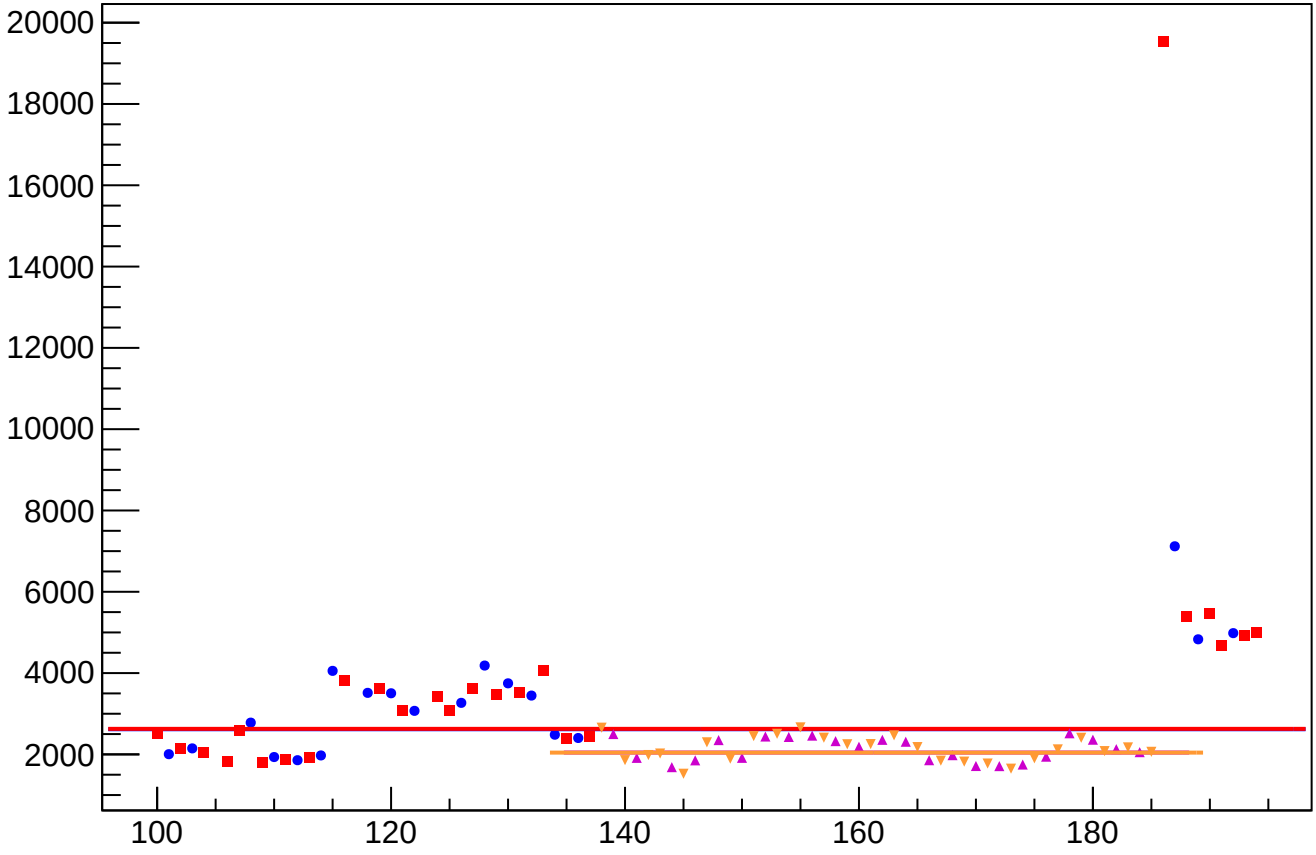
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -1915.933+/-419.669 χ^2/NDF: 76.5/43

All: -1374.466+/-297.352 χ^2/NDF: 129.0/91

- sign -828.593+/-421.373 χ^2/NDF: 49.1/47

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: 2628.227+/-0.607 χ^2/NDF: 3365218.9/24

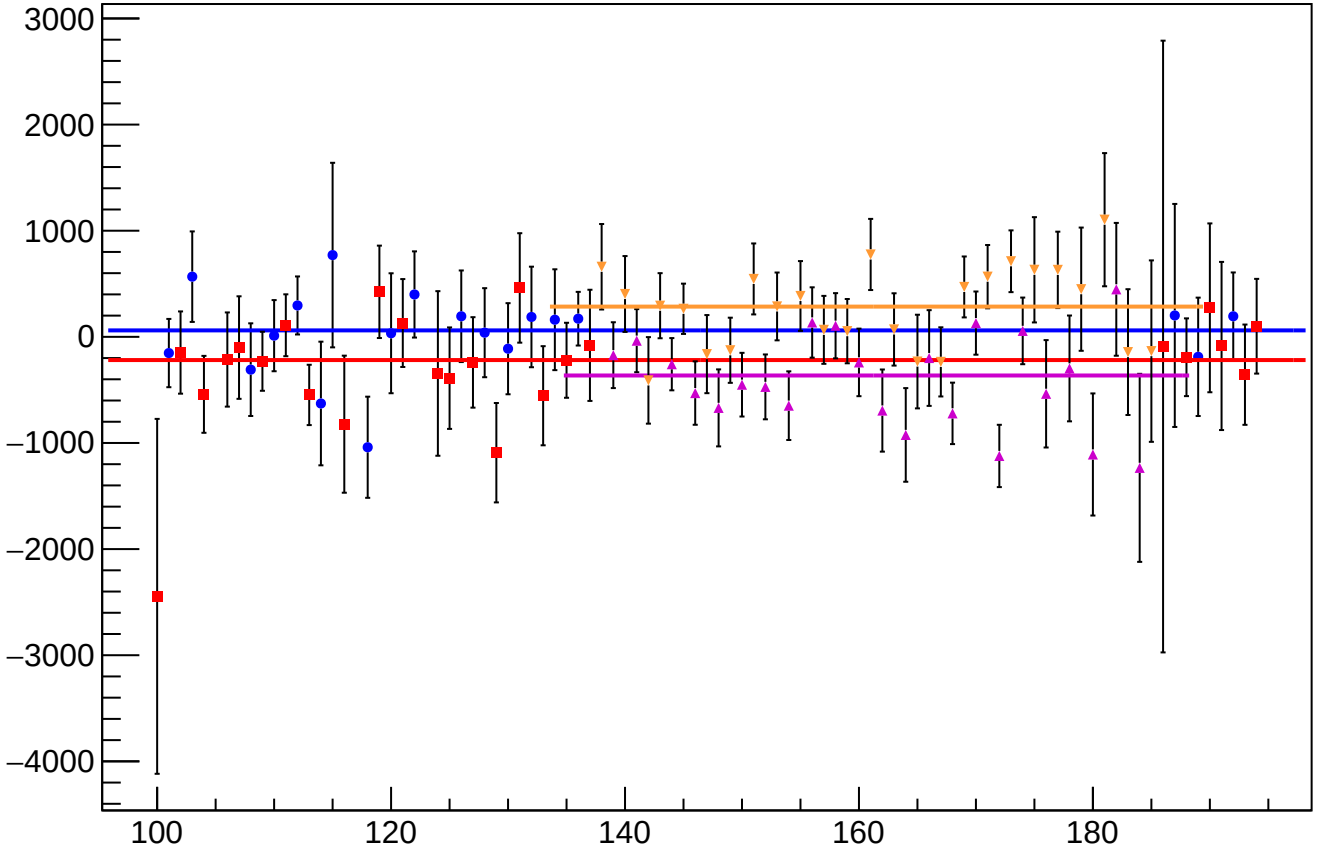
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2161.252+/-0.297 χ^2/NDF: 3227396.6/43

All: 2173.367+/-0.210 χ^2/NDF: 7986226.8/91

- sign 2185.580+/-0.298 χ^2/NDF: 4755483.5/47

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: -218.771+/-87.402 χ^2/NDF: 16.0/24

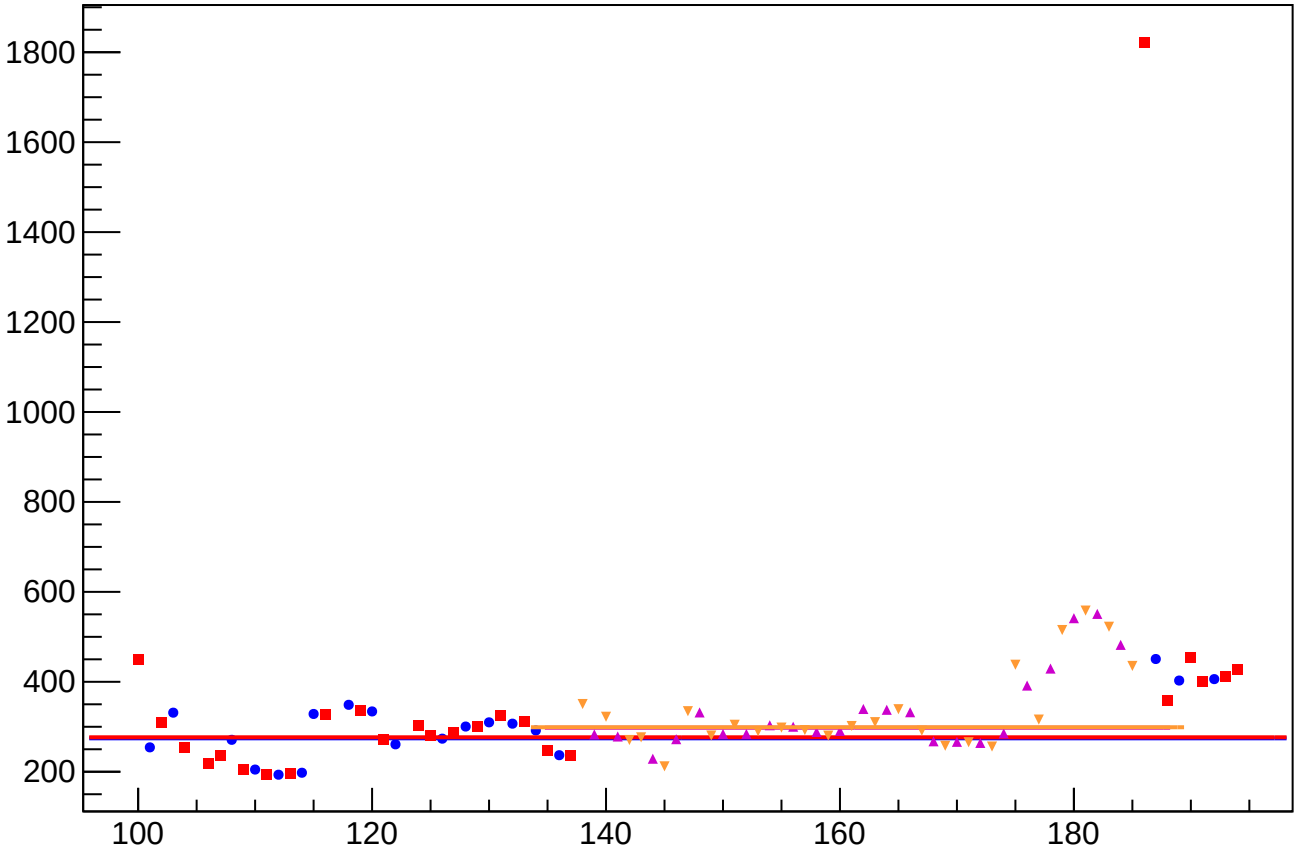
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 205.656+/-56.306 χ^2/NDF: 38.8/43

All: -53.967+/-39.505 χ^2/NDF: 126.5/91

- sign -305.665+/-55.440 χ^2/NDF: 45.8/47

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: 276.604+/-0.062 χ^2/NDF: 1877958.4/24

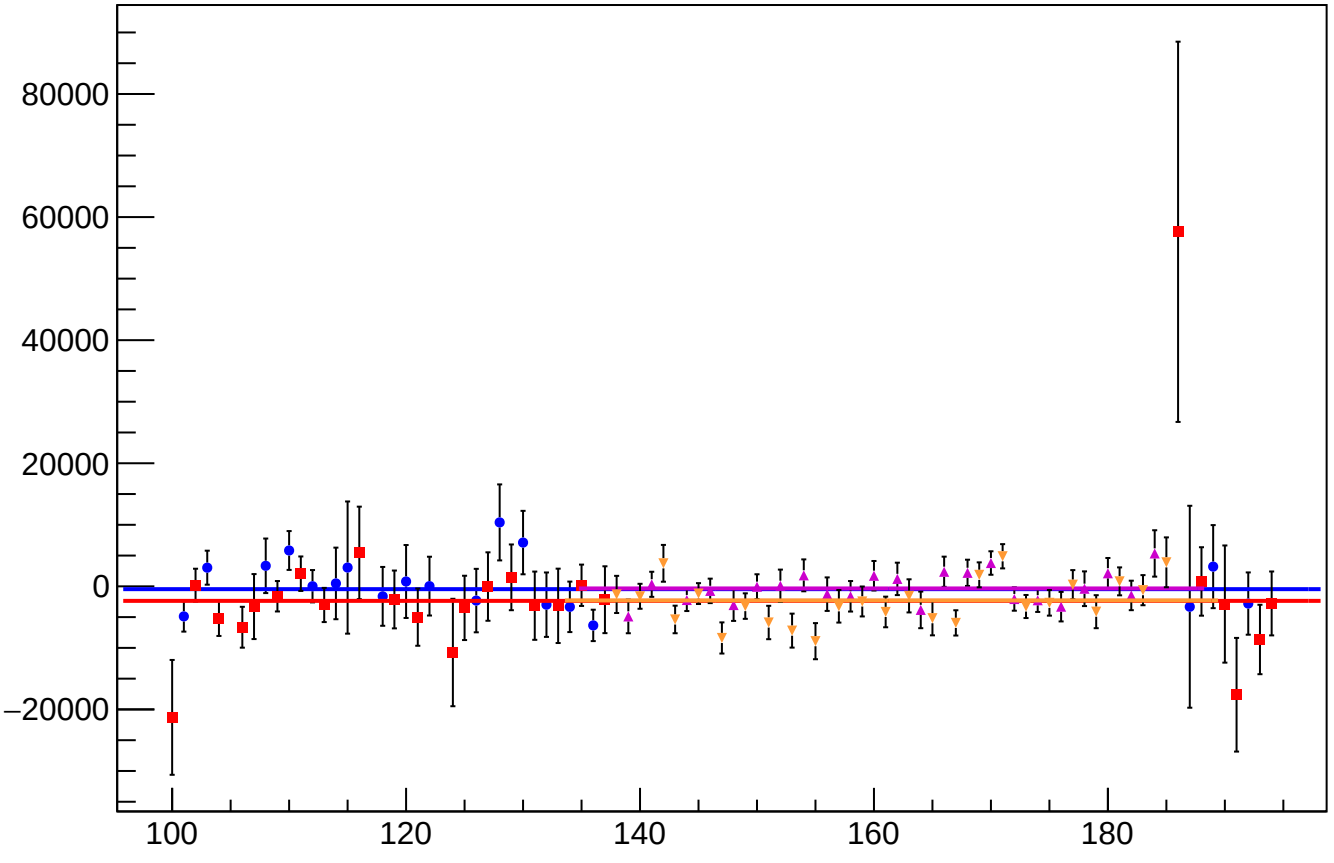
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

\+ sign 290.238+/-0.040 χ^2/NDF: 2564580.0/43

All: 289.773+/-0.028 χ^2/NDF: 5832715.7/91

\- sign 289.323+/-0.039 χ^2/NDF: 3267867.5/47

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: -2360.760+/-858.683 χ^2/NDF: 22.1/24

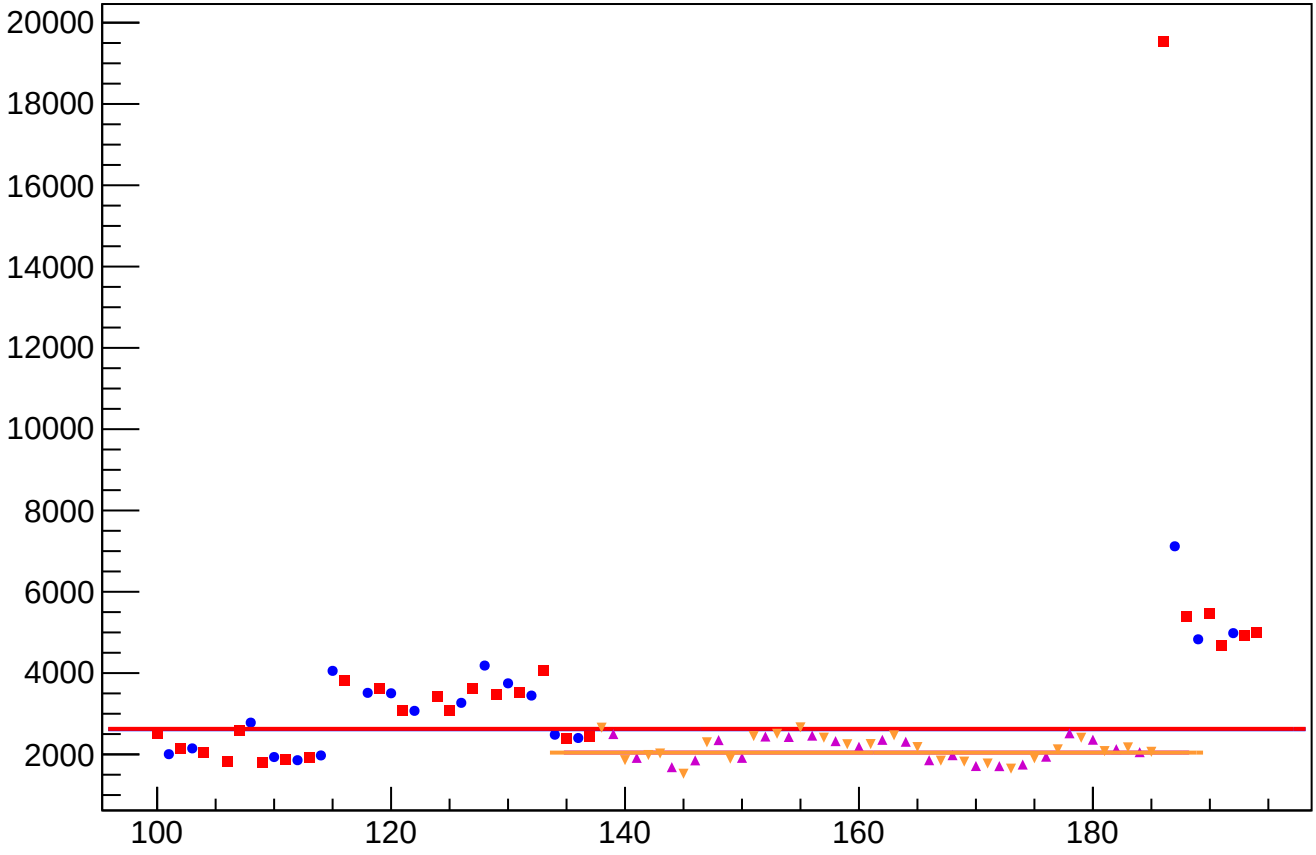
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -1915.929+/-419.669 χ^2/NDF: 76.5/43

All: -1374.463+/-297.351 χ^2/NDF: 129.0/91

- sign -828.590+/-421.373 χ^2/NDF: 49.1/47

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: 2628.225+/-0.607 χ^2/NDF: 3365216.2/24

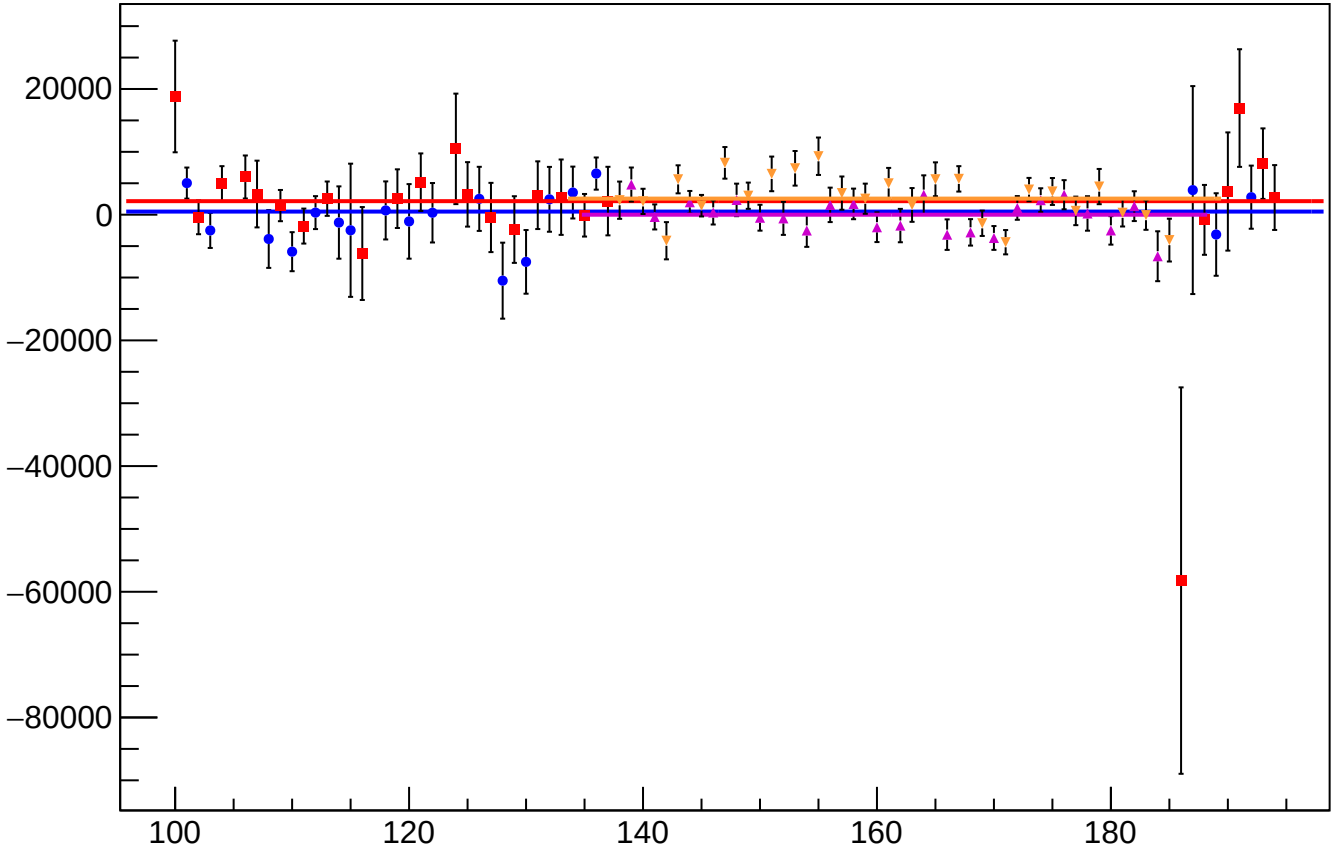
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2161.249+/-0.297 χ^2/NDF: 3227403.4/43

All: 2173.364+/-0.210 χ^2/NDF: 7986233.3/91

- sign 2185.577+/-0.298 χ^2/NDF: 4755483.0/47

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: 2151.894+/-857.226 χ^2/NDF: 20.7/24

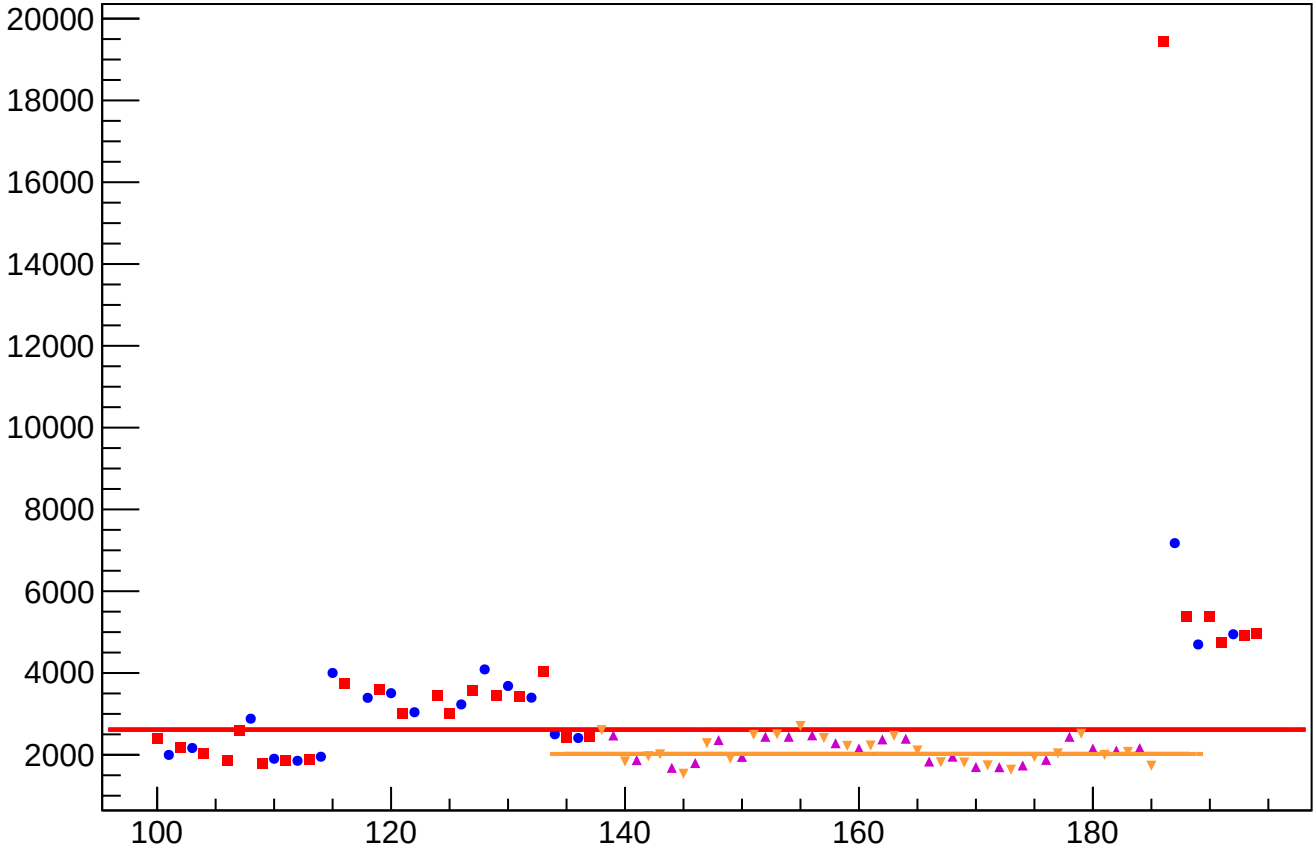
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2141.338+/-416.153 χ^2/NDF: 79.3/43

All: 1328.232+/-294.854 χ^2/NDF: 137.2/91

- sign 508.583+/-417.824 χ^2/NDF: 50.2/47

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: 2624.319+/-0.606 χ^2/NDF: 3319599.3/24

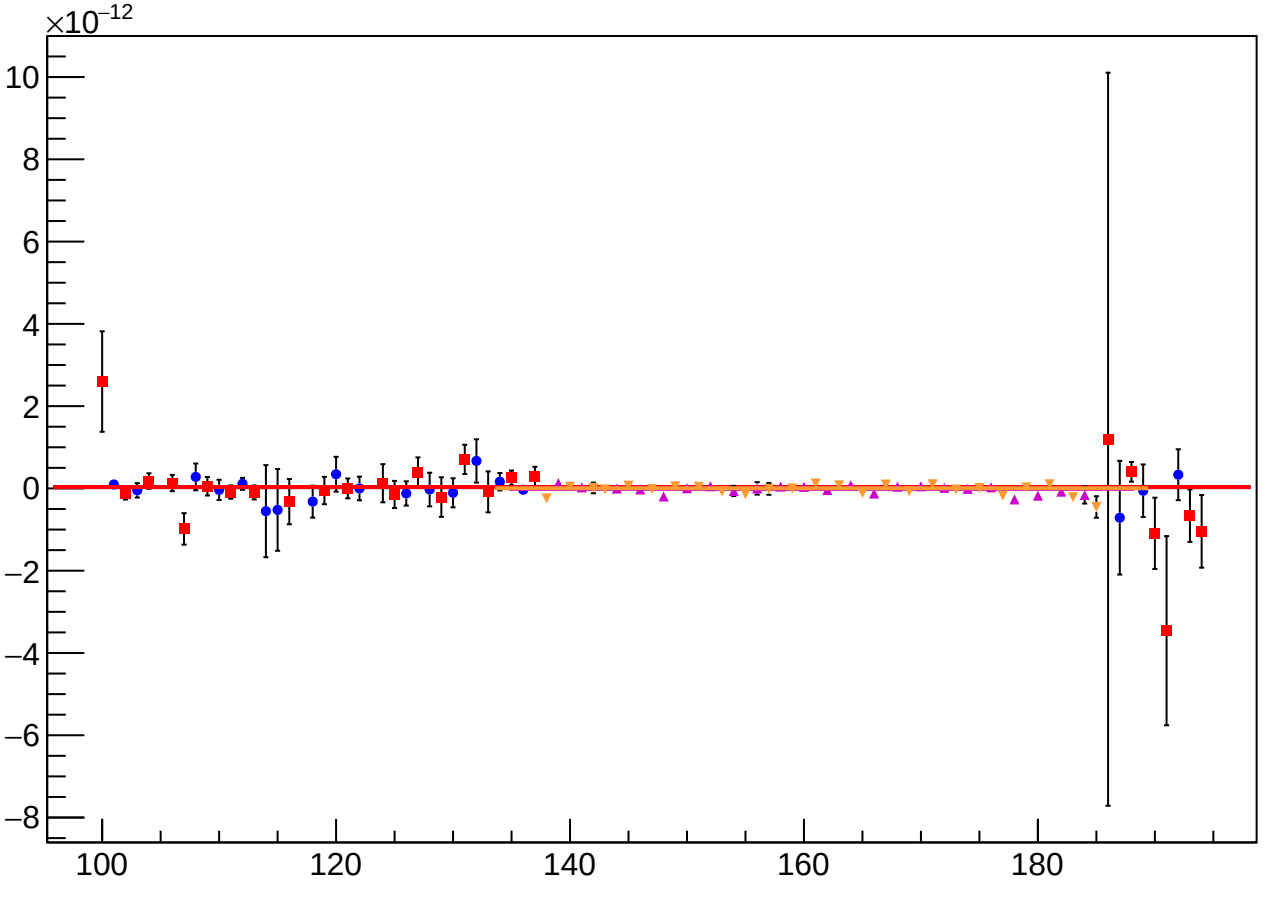
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2140.913+/-0.294 χ^2/NDF: 3250540.6/43

All: 2153.443+/-0.208 χ^2/NDF: 8019451.6/91

- sign 2166.073+/-0.295 χ^2/NDF: 4765270.4/47

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

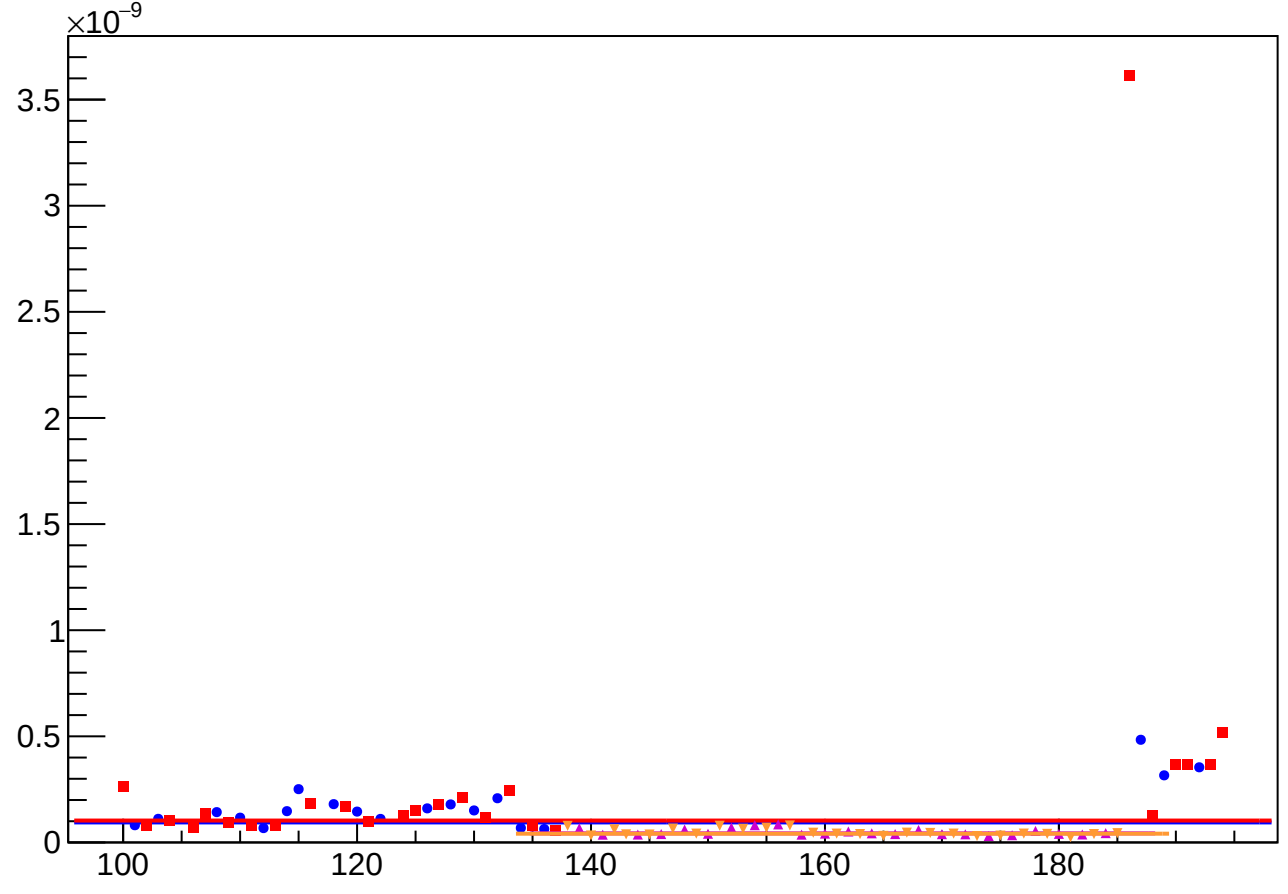
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/24

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.0/43

All: -0.000+/-0.000 χ^2/NDF: 93.2/91

- sign -0.000+/-0.000 χ^2/NDF: 53.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 1689727.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2195083.6/24

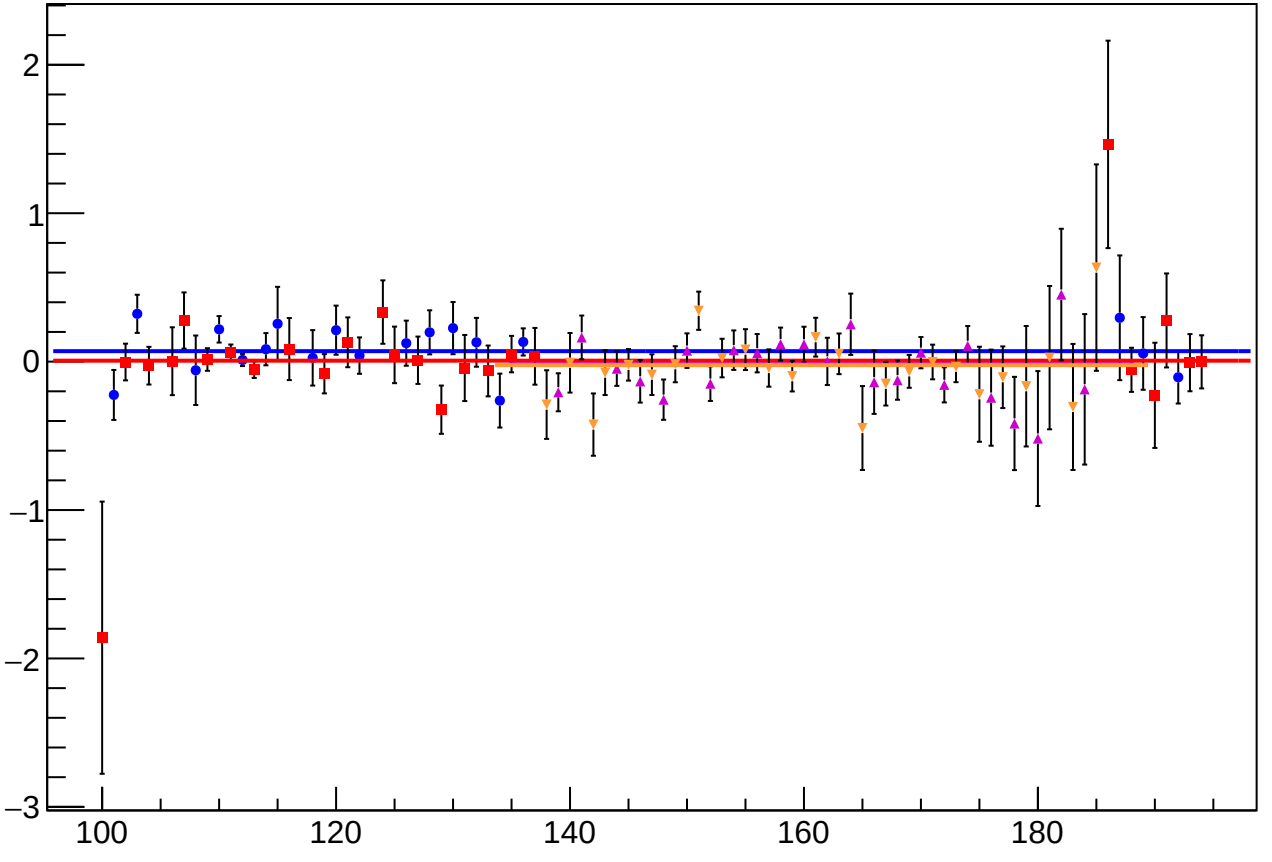
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4821179.5/43

All: 0.000+/-0.000 χ^2/NDF: 10242242.4/91

- sign 0.000+/-0.000 χ^2/NDF: 5394845.6/47

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: 0.006+/-0.026 χ^2/NDF: 22.1/24

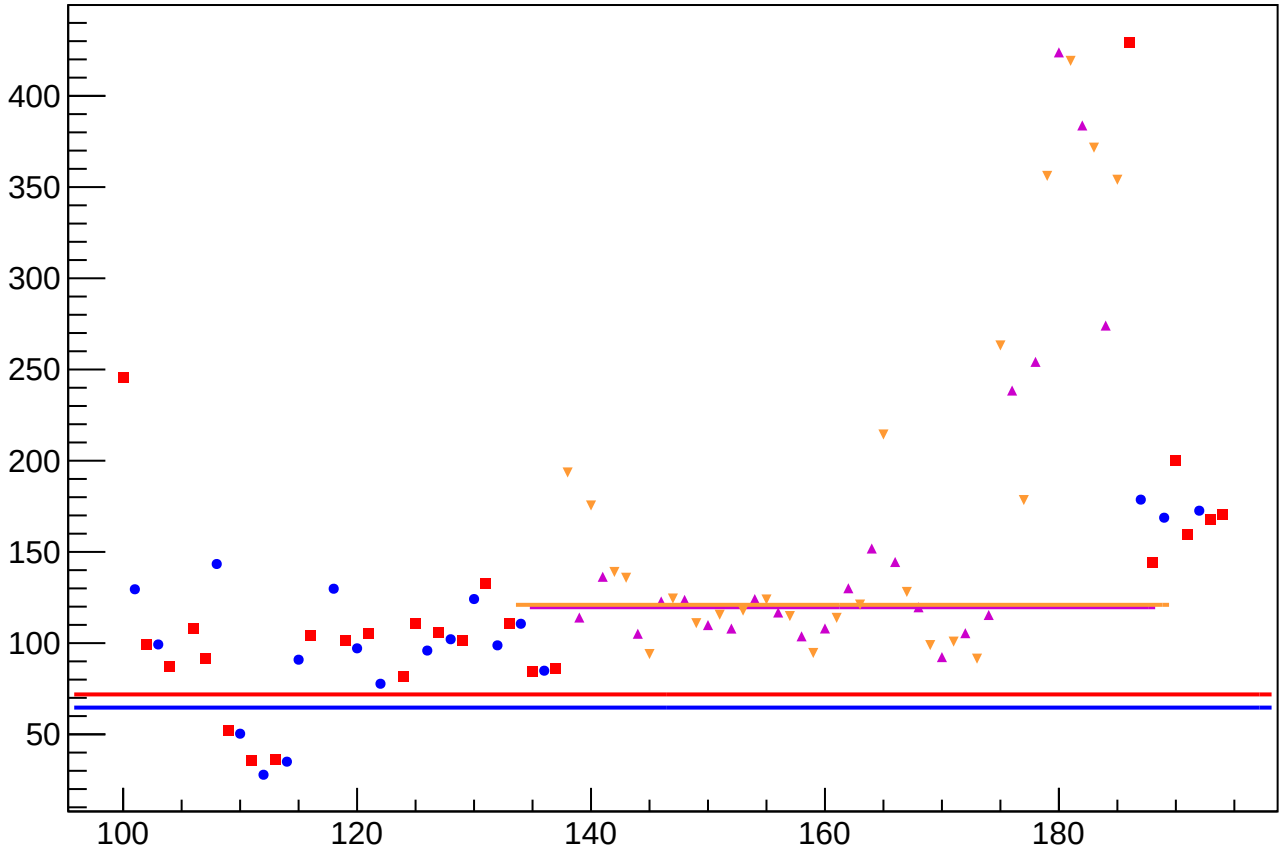
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.0/43

All: 0.012+/-0.014 χ^2/NDF: 95.0/91

- sign -0.004+/-0.020 χ^2/NDF: 45.5/47

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: 71.879+/-0.018 χ^2/NDF: 5361921.8/24

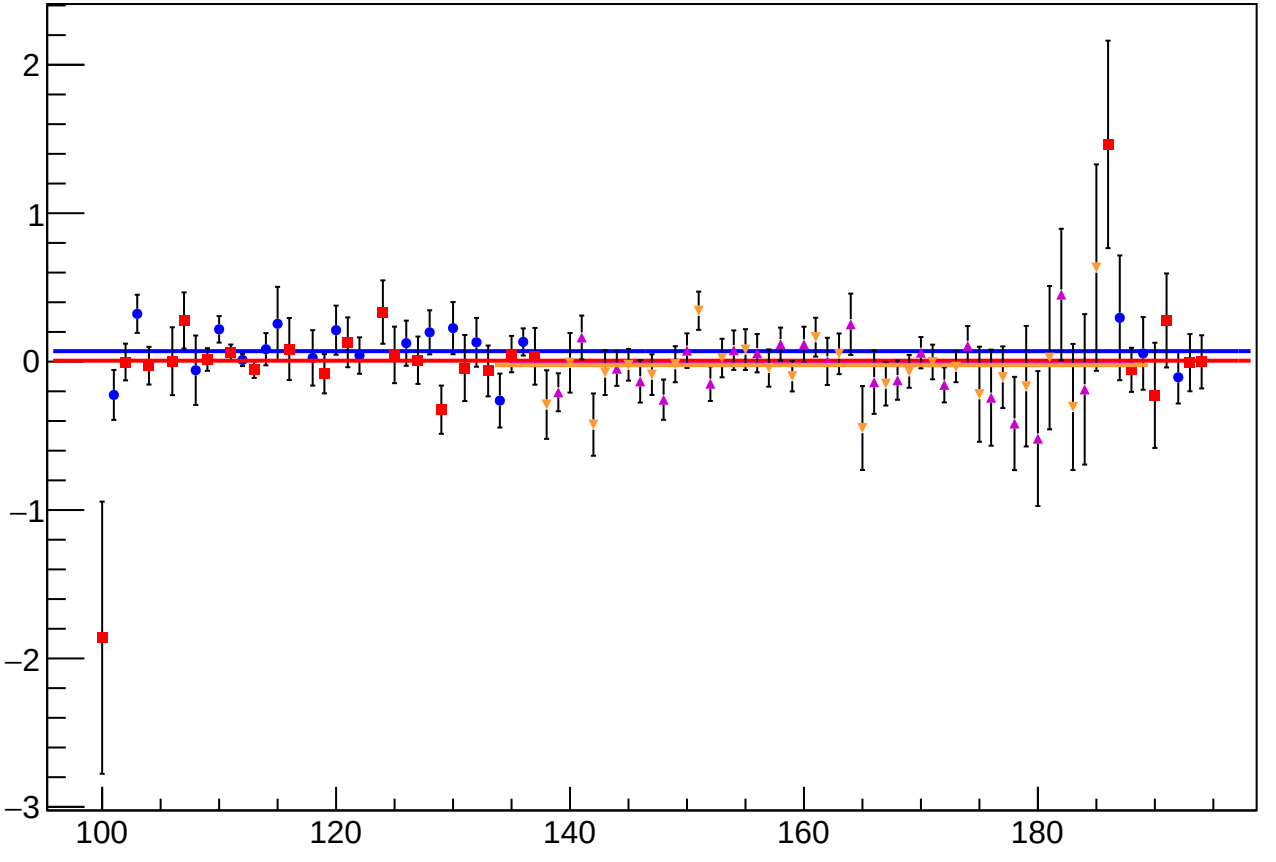
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 89.434+/-0.014 χ^2/NDF: 12915002.4/43

All: 90.707+/-0.010 χ^2/NDF: 24033345.0/91

- sign 91.948+/-0.014 χ^2/NDF: 11102061.6/47

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: 0.006+/-0.026 χ^2/NDF: 22.1/24

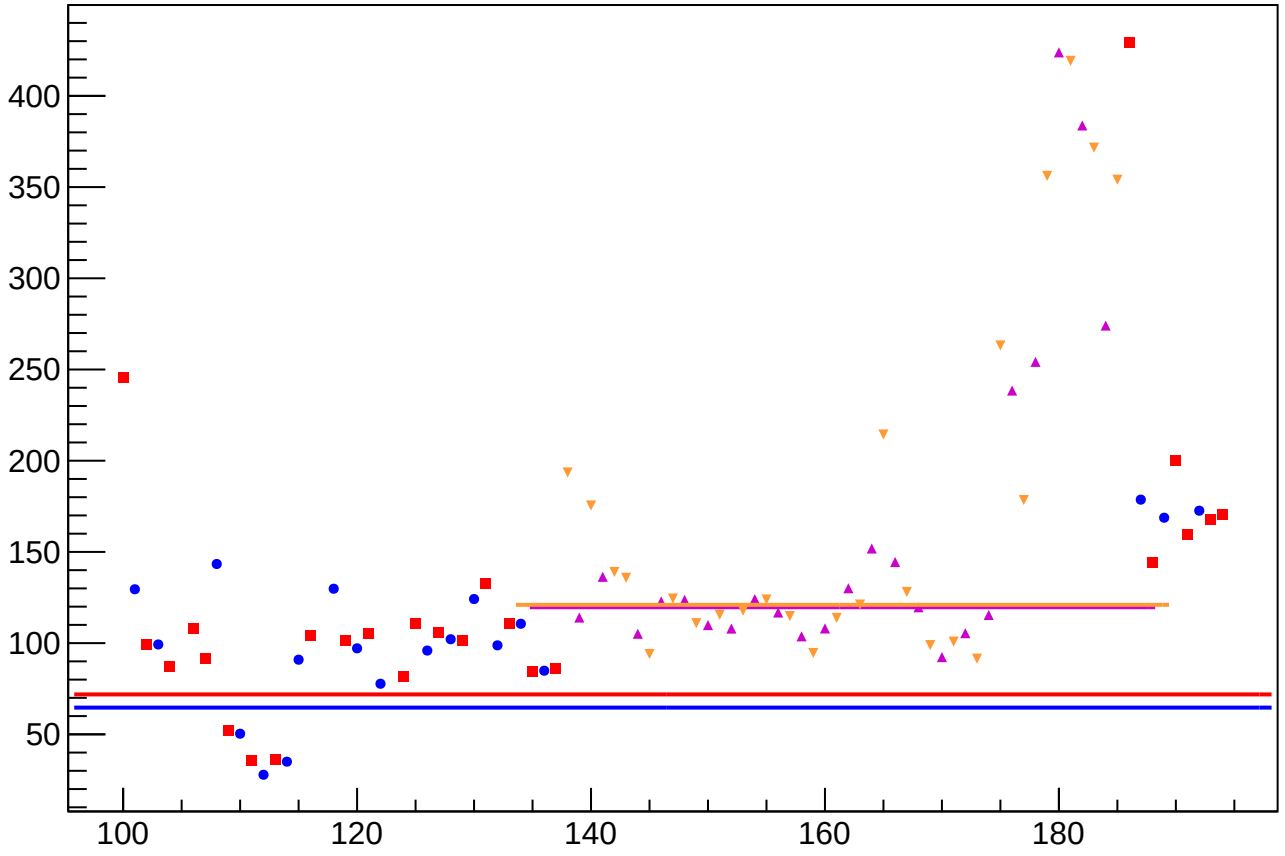
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.0/43

All: 0.012+/-0.014 χ^2/NDF: 95.0/91

- sign -0.004+/-0.020 χ^2/NDF: 45.5/47

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

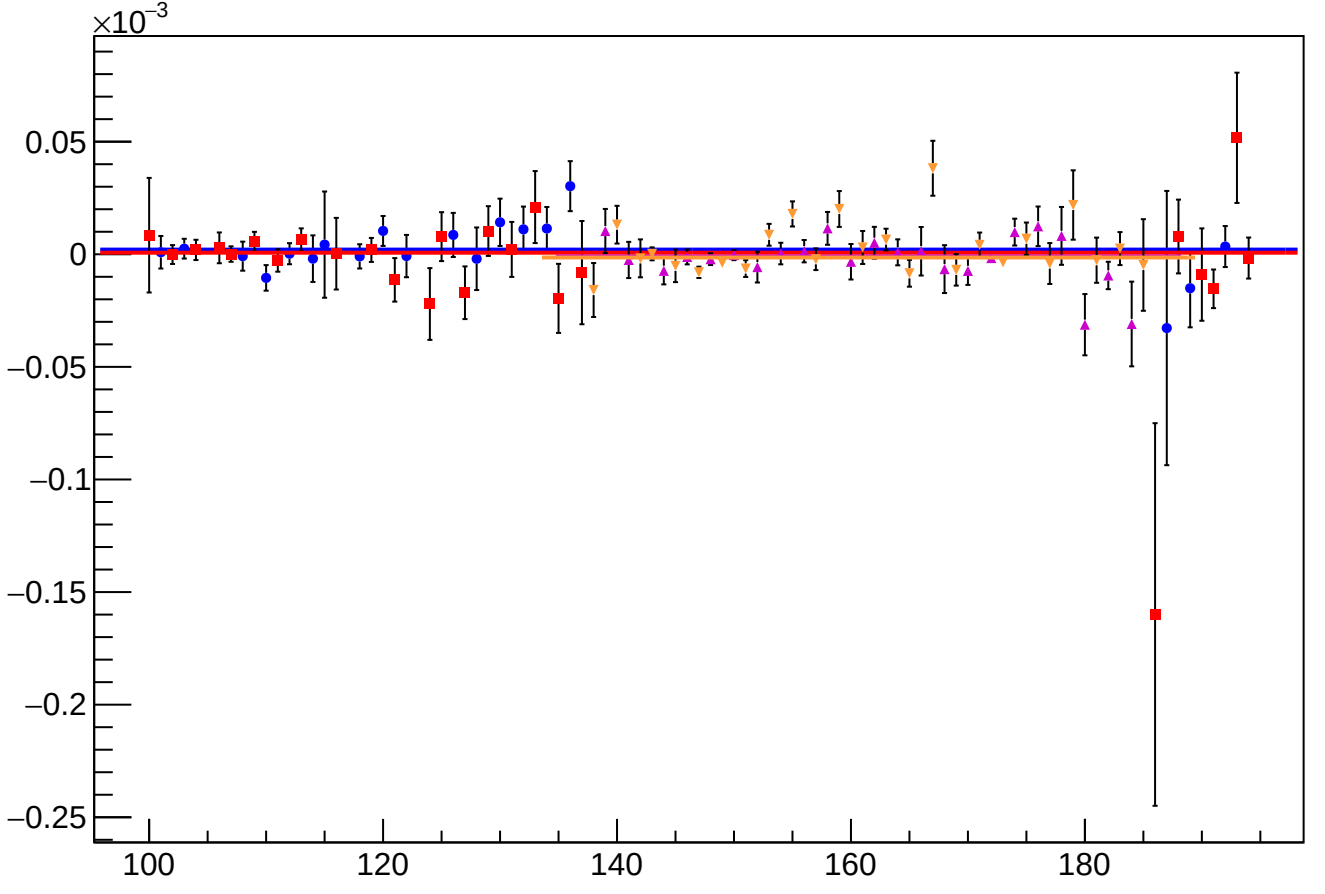
Right Out: 71.879+/-0.018 χ^2/NDF: 5361921.8/24

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 89.434+/-0.014 χ^2/NDF: 12915002.4/43

All: 90.707+/-0.010 χ^2/NDF: 24033345.0/91

- sign 91.948+/-0.014 χ^2/NDF: 11102061.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/24

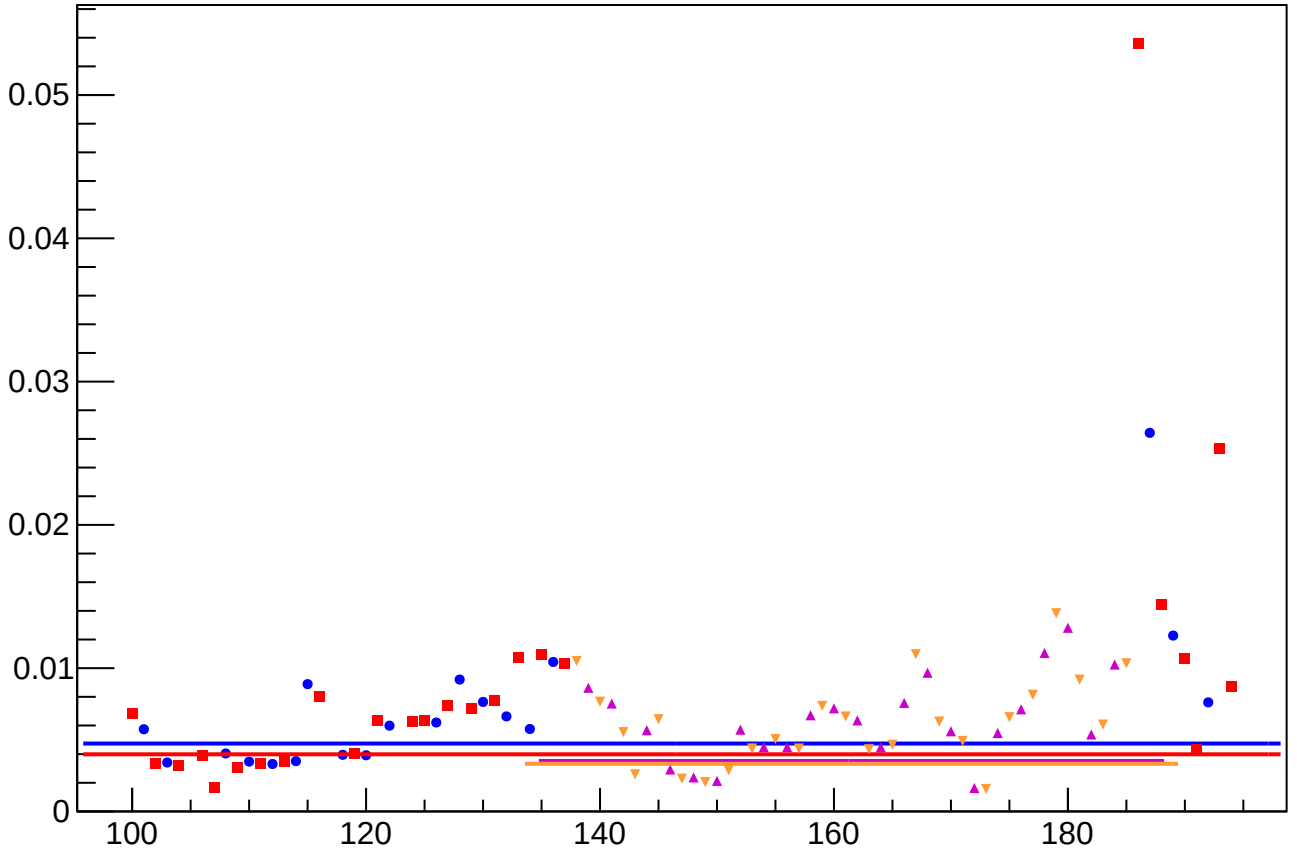
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.4/43

All: -0.000+/-0.000 χ^2/NDF: 132.7/91

- sign -0.000+/-0.000 χ^2/NDF: 50.3/47

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: 6374364.3/24

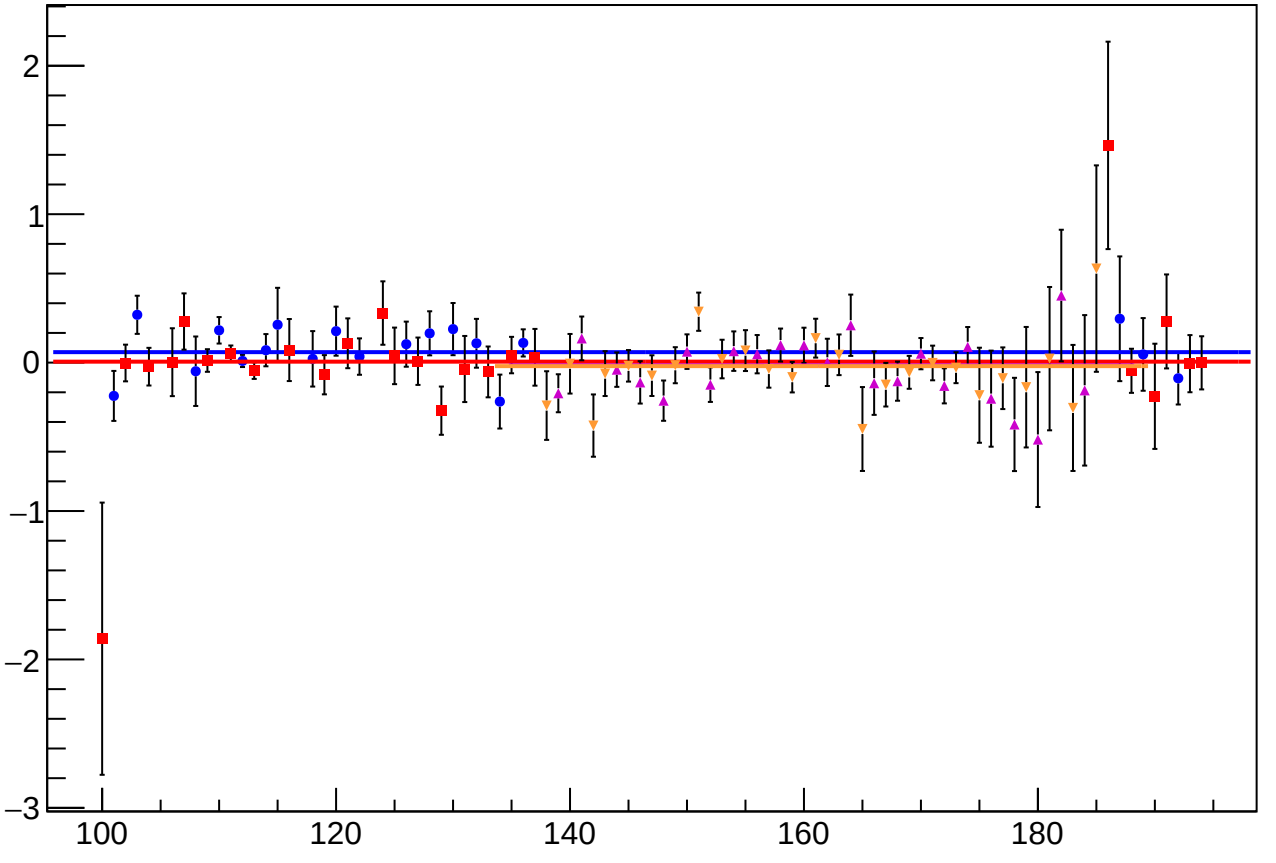
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 14078184.6/43

All: 0.004+/-0.000 χ^2/NDF: 30024968.5/91

- sign 0.004+/-0.000 χ^2/NDF: 15942788.5/47

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: 0.006+/-0.026 χ^2/NDF: 22.1/24

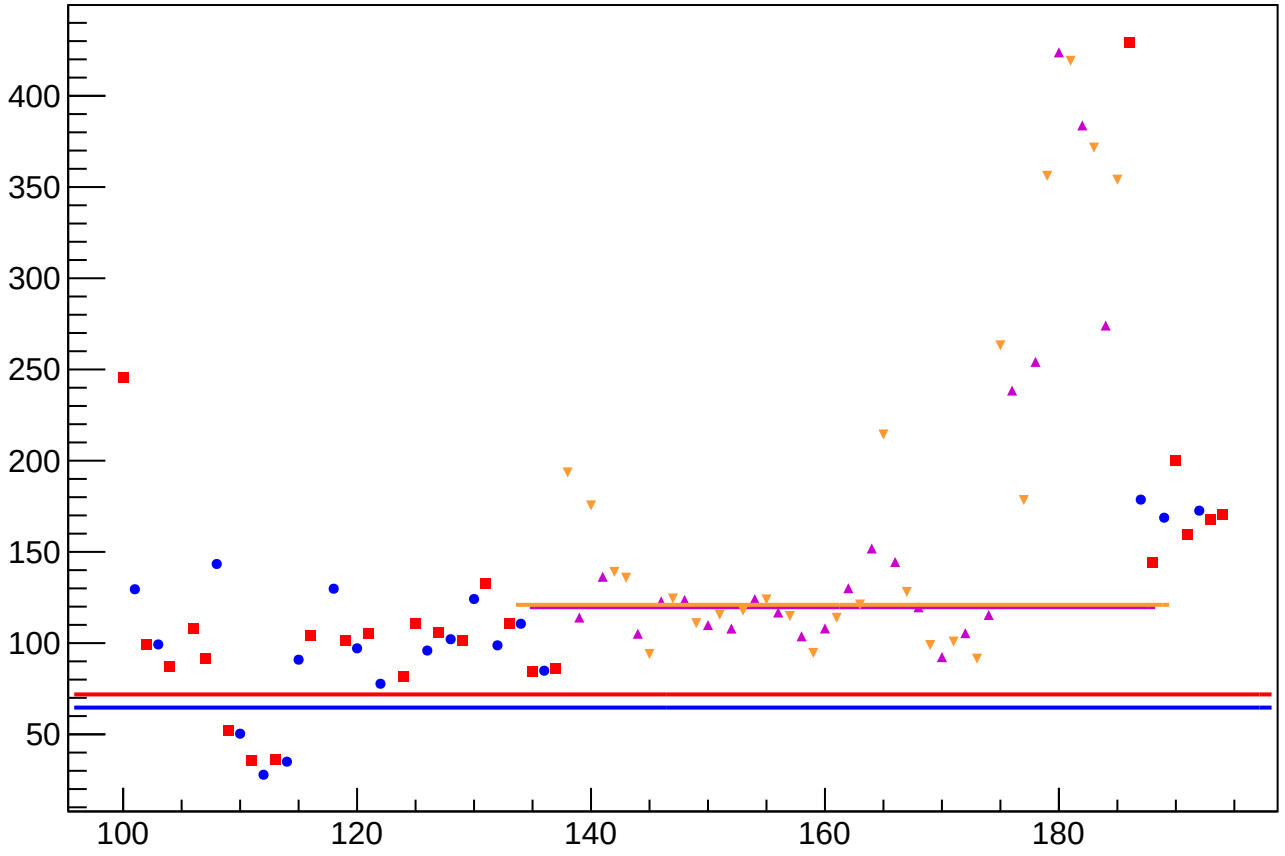
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.0/43

All: 0.012+/-0.014 χ^2/NDF: 95.0/91

- sign -0.004+/-0.020 χ^2/NDF: 45.5/47

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: 71.877+/-0.018 χ^2/NDF: 5362268.8/24

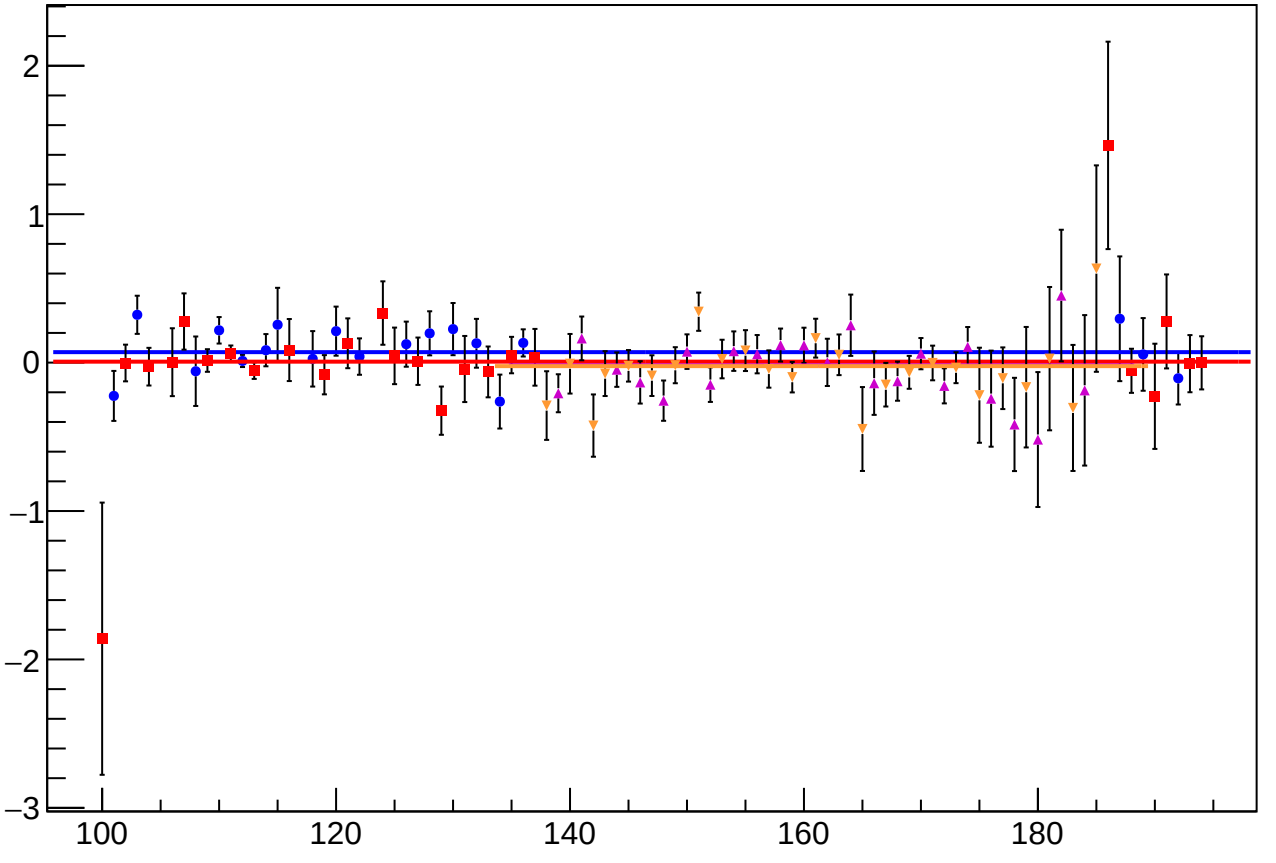
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 89.432+/-0.014 χ^2/NDF: 12915721.5/43

All: 90.705+/-0.010 χ^2/NDF: 24034713.6/91

- sign 91.947+/-0.014 χ^2/NDF: 11102706.5/47

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: 0.006+/-0.026 χ^2/NDF: 22.1/24

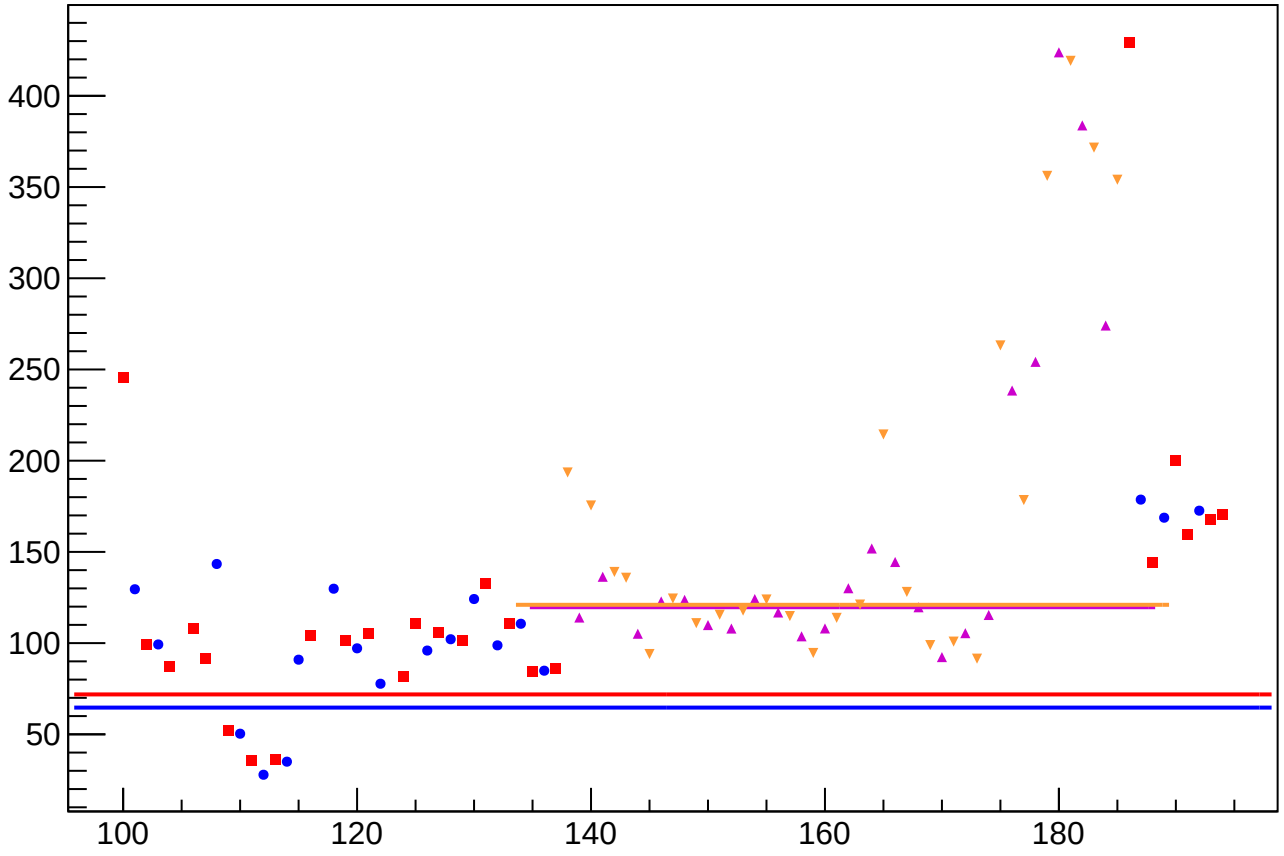
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.029+/-0.020 χ^2/NDF: 48.0/43

All: 0.012+/-0.014 χ^2/NDF: 95.0/91

- sign -0.004+/-0.020 χ^2/NDF: 45.5/47

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

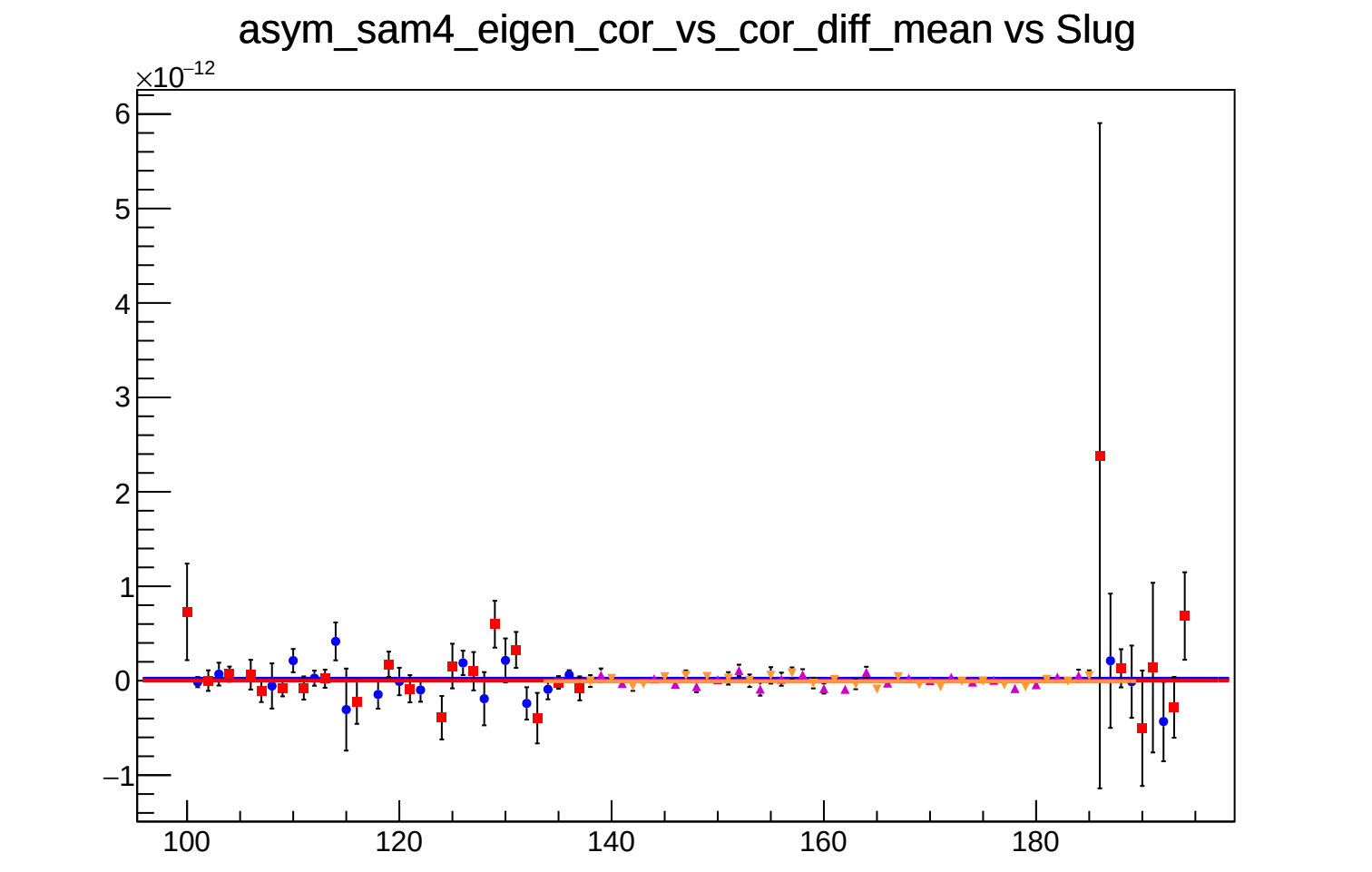
Right Out: 71.877+/-0.018 χ^2/NDF: 5362268.8/24

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 89.432+/-0.014 χ^2/NDF: 12915721.5/43

All: 90.705+/-0.010 χ^2/NDF: 24034713.6/91

- sign 91.947+/-0.014 χ^2/NDF: 11102706.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/24

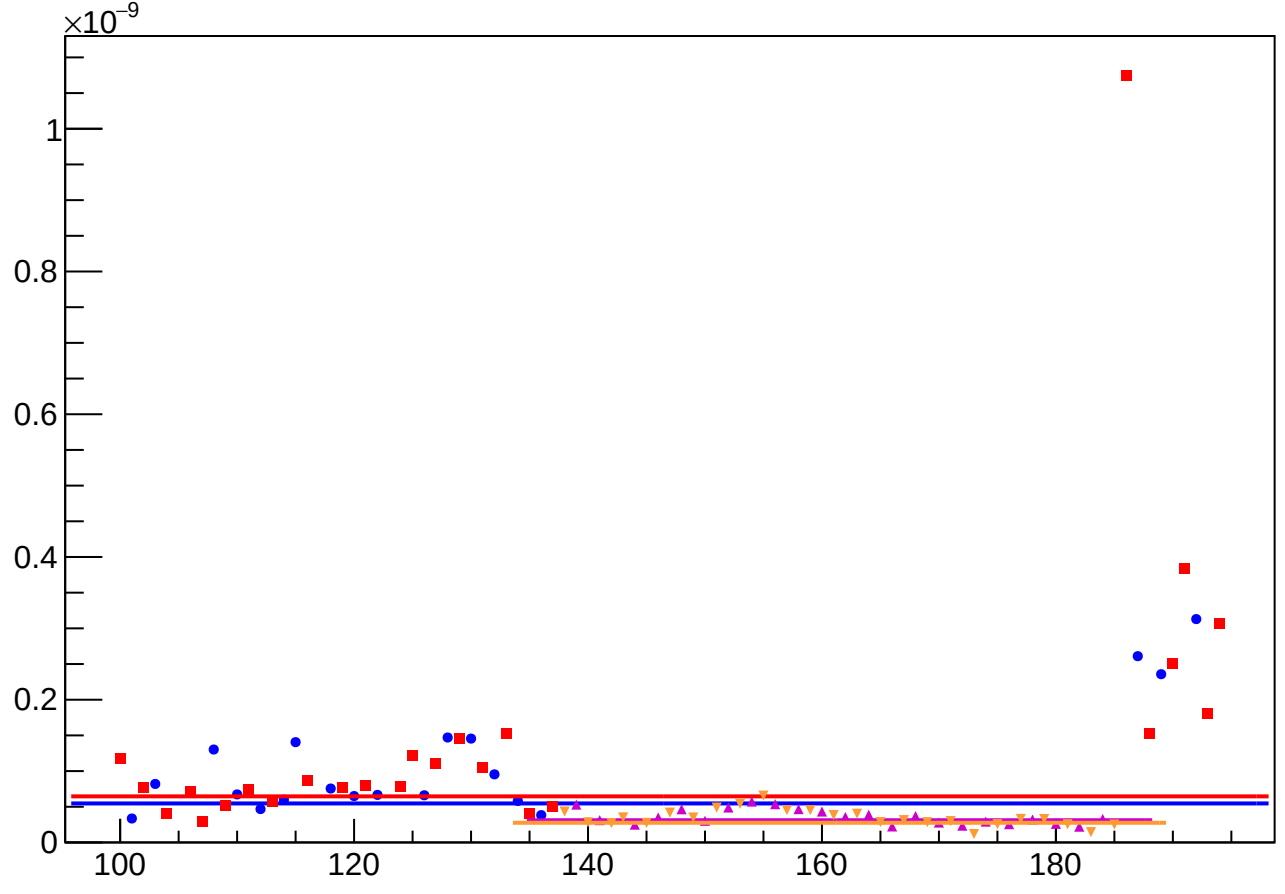
Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/43

All: -0.000+/-0.000 χ^2/NDF: 96.6/91

- sign -0.000+/-0.000 χ^2/NDF: 55.3/47

asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3032597.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3375342.3/24

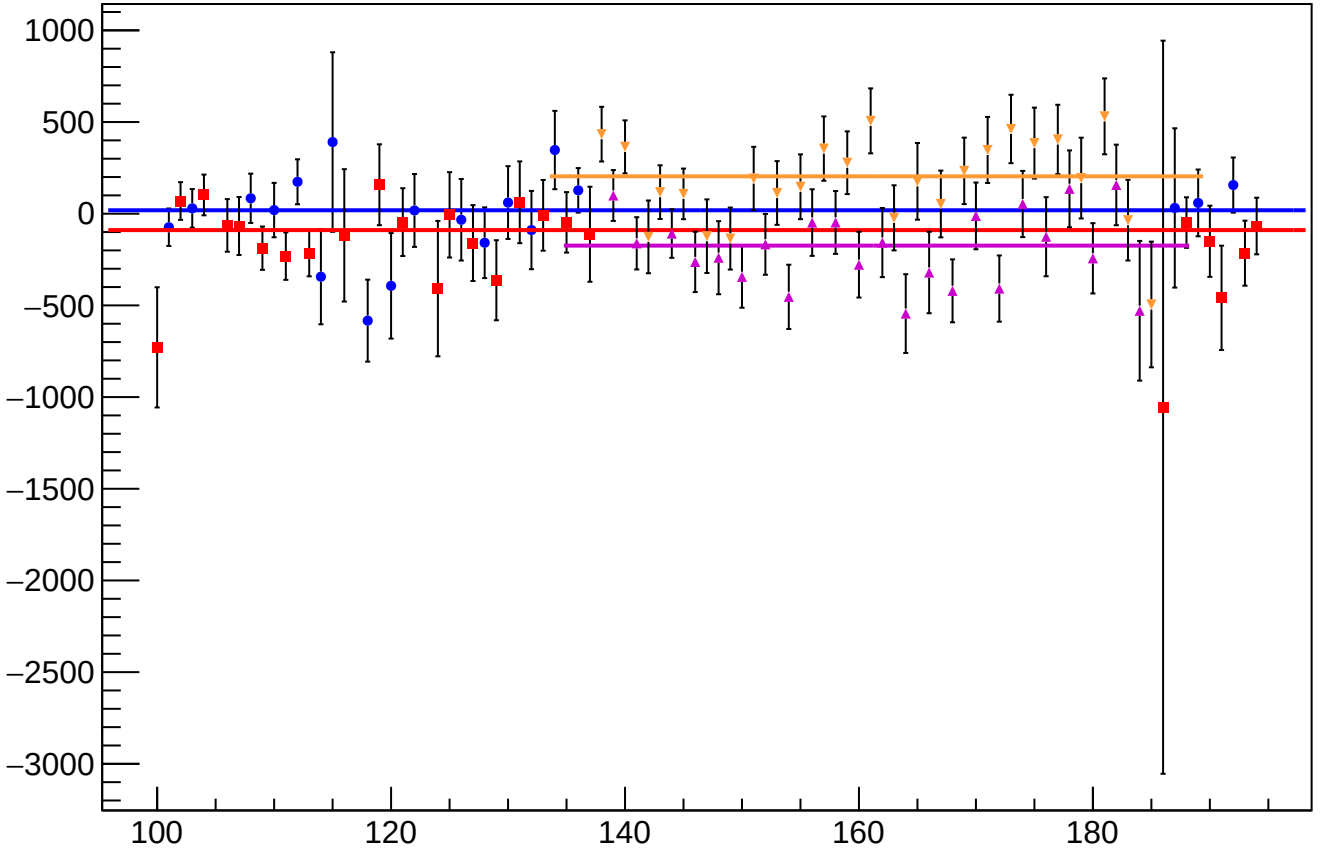
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8696719.7/43

All: 0.000+/-0.000 χ^2/NDF: 16811321.7/91

- sign 0.000+/-0.000 χ^2/NDF: 7848932.7/47

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: -89.403+/-34.068 χ^2/NDF: 19.4/24

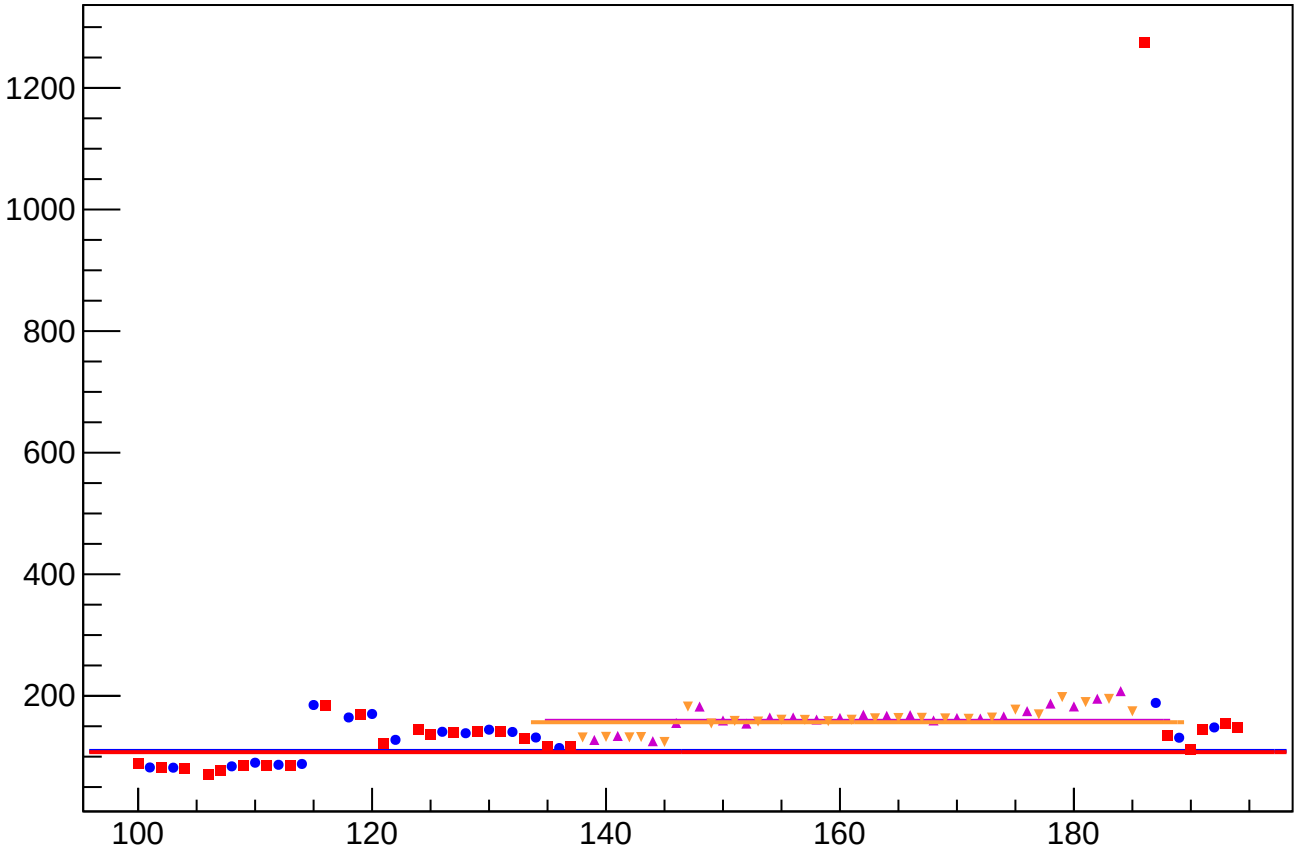
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 116.500+/-26.075 χ^2/NDF: 65.2/43

All: -9.854+/-18.116 χ^2/NDF: 157.3/91

- sign -127.749+/-25.187 χ^2/NDF: 46.7/47

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: 107.424+/-0.024 χ^2/NDF: 2203898.0/24

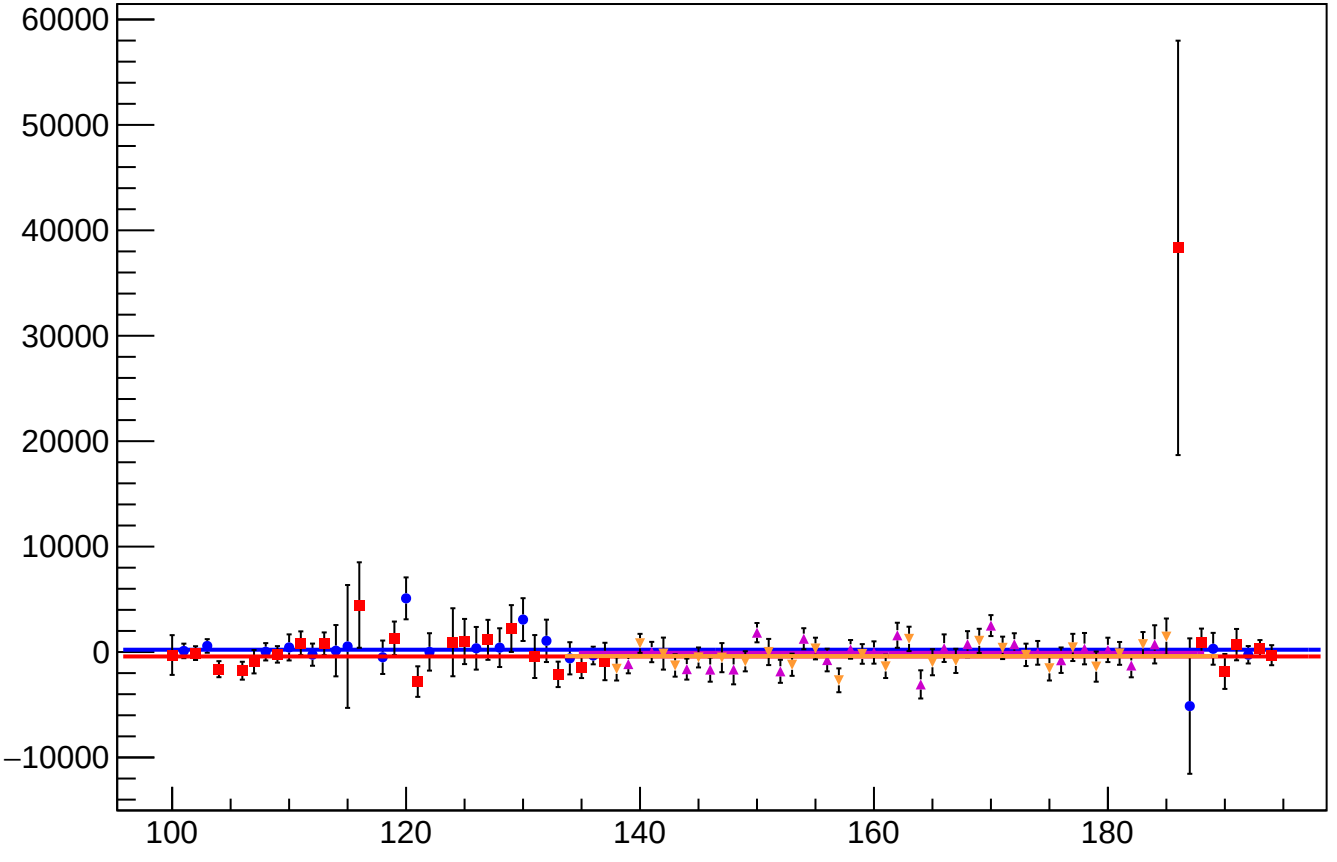
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.350+/-0.018 χ^2/NDF: 3401849.0/43

All: 132.507+/-0.013 χ^2/NDF: 8210829.2/91

- sign 130.787+/-0.018 χ^2/NDF: 4789661.8/47

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: -419.896+/-236.827 χ^2/NDF: 26.3/24

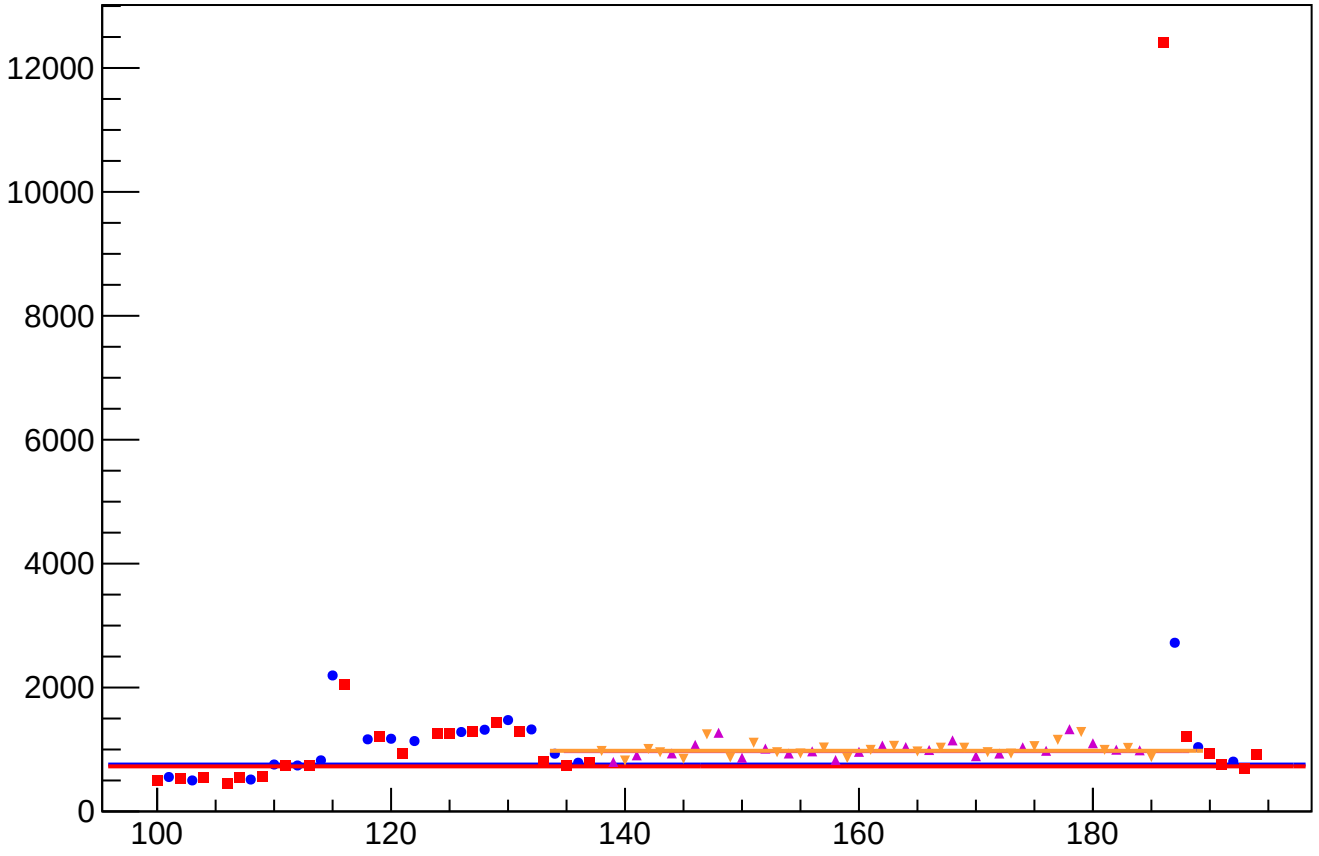
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -137.467+/-173.118 χ^2/NDF: 32.4/43

All: -192.246+/-119.408 χ^2/NDF: 93.1/91

- sign -241.958+/-164.917 χ^2/NDF: 60.5/47

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: 727.562+/-0.167 χ^2/NDF: 2970541.9/24

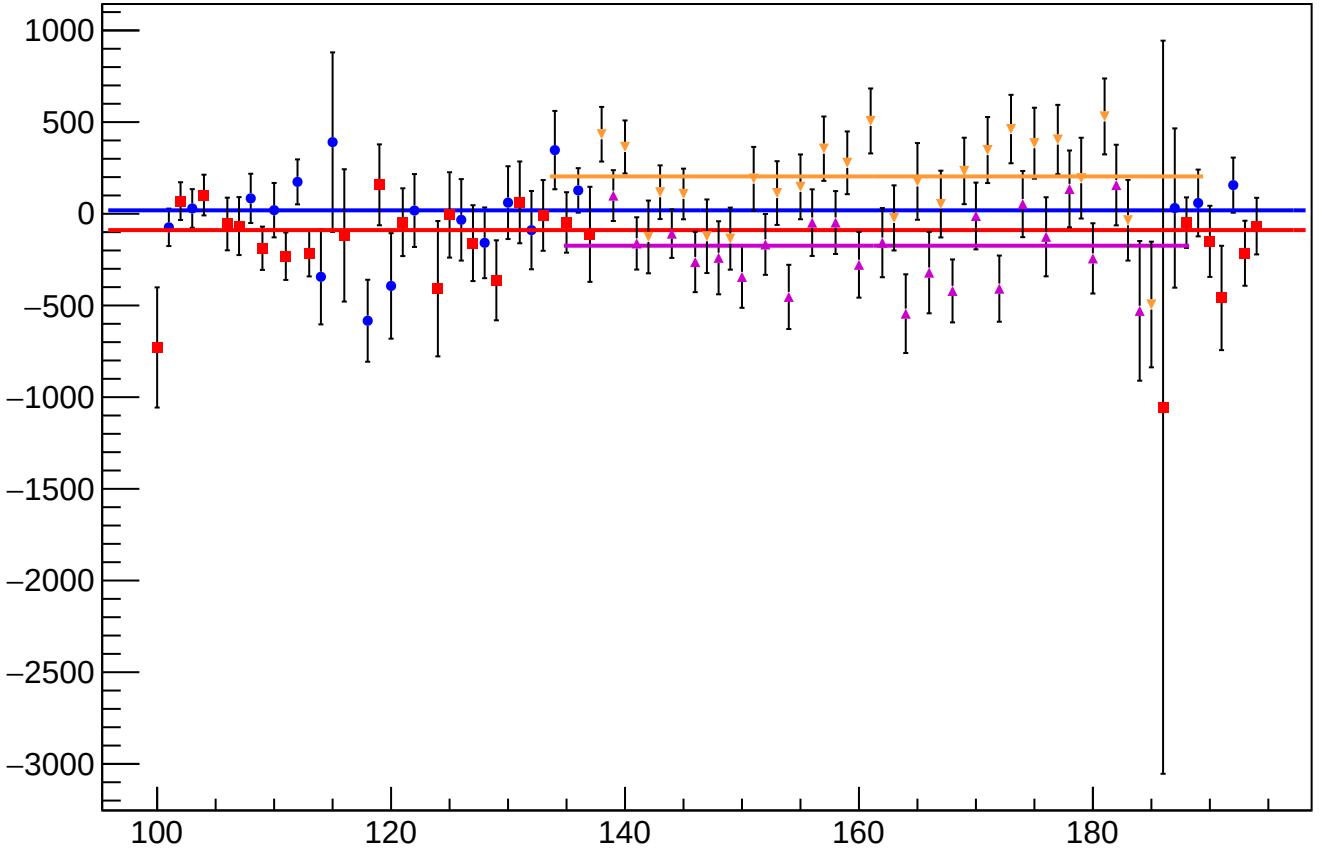
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 888.926+/-0.122 χ^2/NDF: 3342975.3/43

All: 870.828+/-0.084 χ^2/NDF: 7967644.1/91

- sign 854.404+/-0.117 χ^2/NDF: 4582975.9/47

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: -88.974+/-34.070 χ^2/NDF: 19.4/24

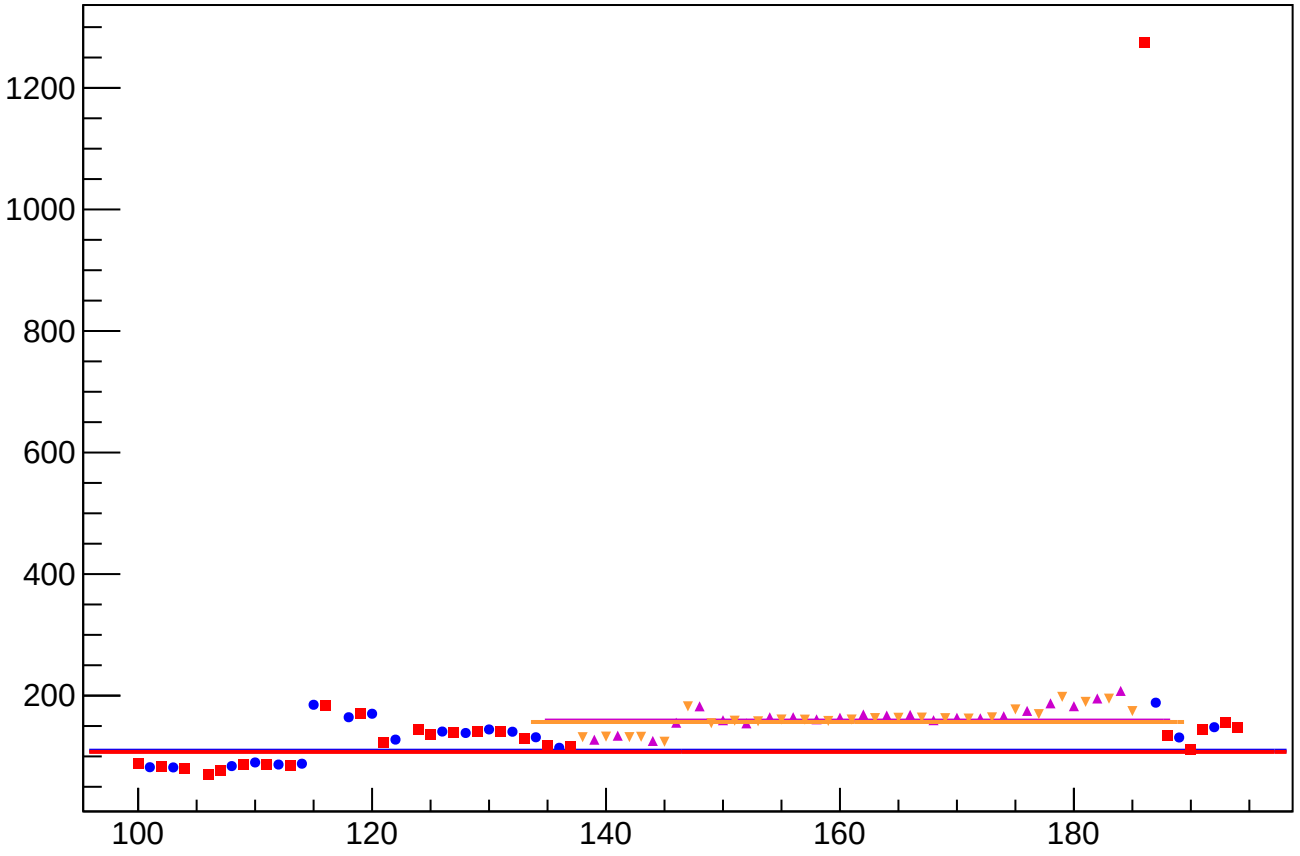
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 116.499+/-26.075 χ^2/NDF: 65.2/43

All: -9.731+/-18.116 χ^2/NDF: 157.2/91

- sign -127.518+/-25.188 χ^2/NDF: 46.8/47

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: 107.406+/-0.024 χ^2/NDF: 2206599.1/24

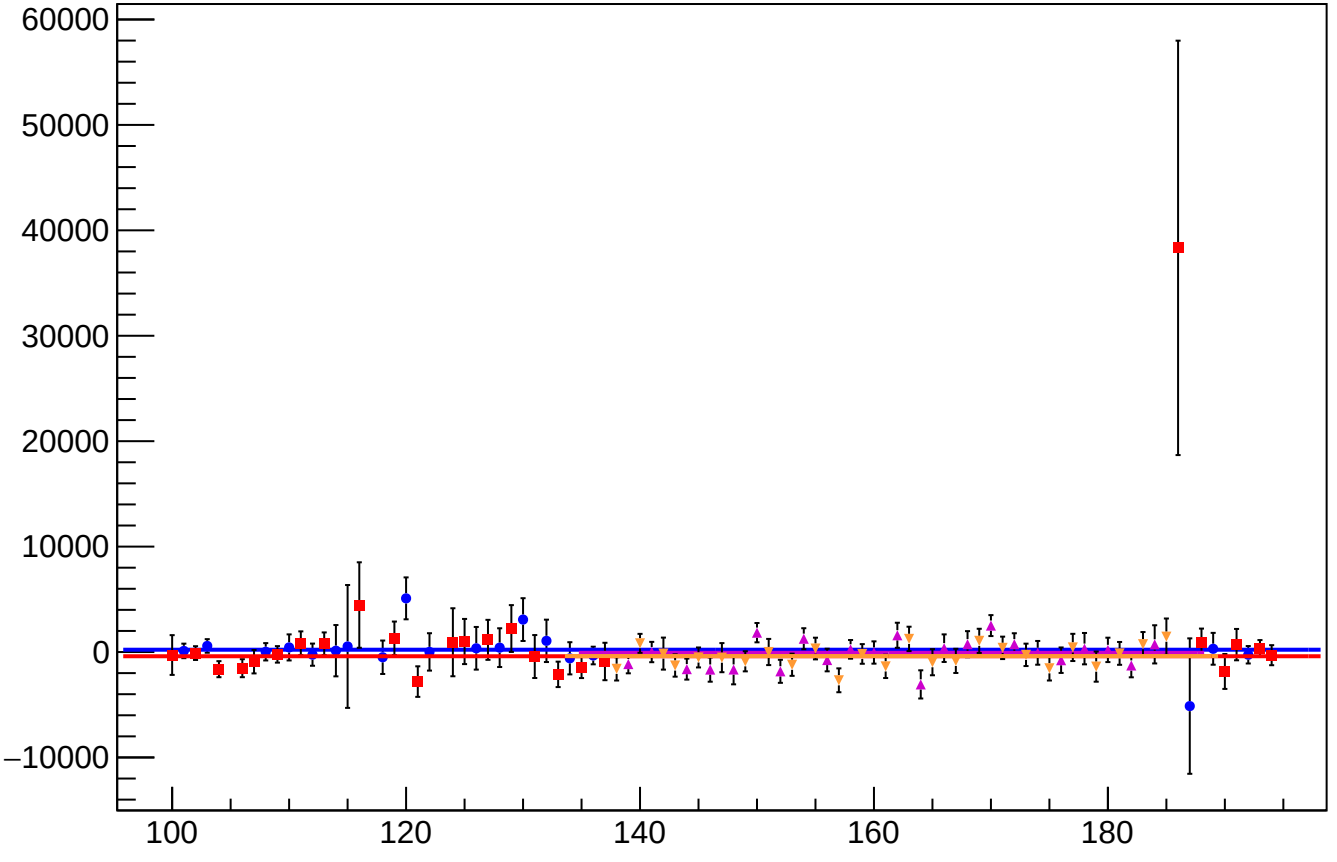
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.350+/-0.018 χ^2/NDF: 3401847.0/43

All: 132.503+/-0.013 χ^2/NDF: 8214994.8/91

- sign 130.779+/-0.018 χ^2/NDF: 4793736.5/47

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: -399.861+/-236.948 χ^2/NDF: 25.5/24

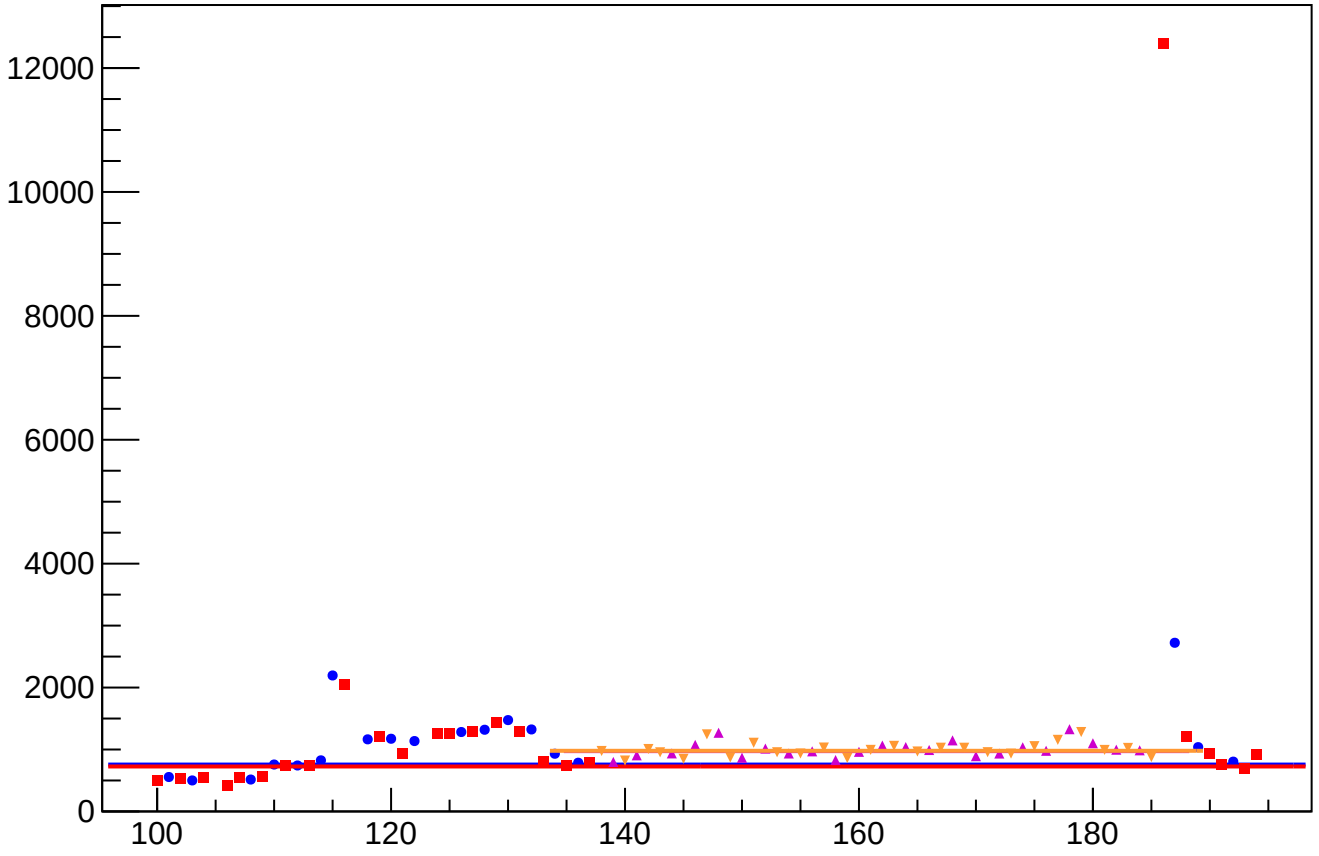
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -137.458+/-173.118 χ^2/NDF: 32.4/43

All: -187.093+/-119.423 χ^2/NDF: 92.1/91

- sign -232.159+/-164.958 χ^2/NDF: 59.5/47

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: 725.965+/-0.168 χ^2/NDF: 3006579.0/24

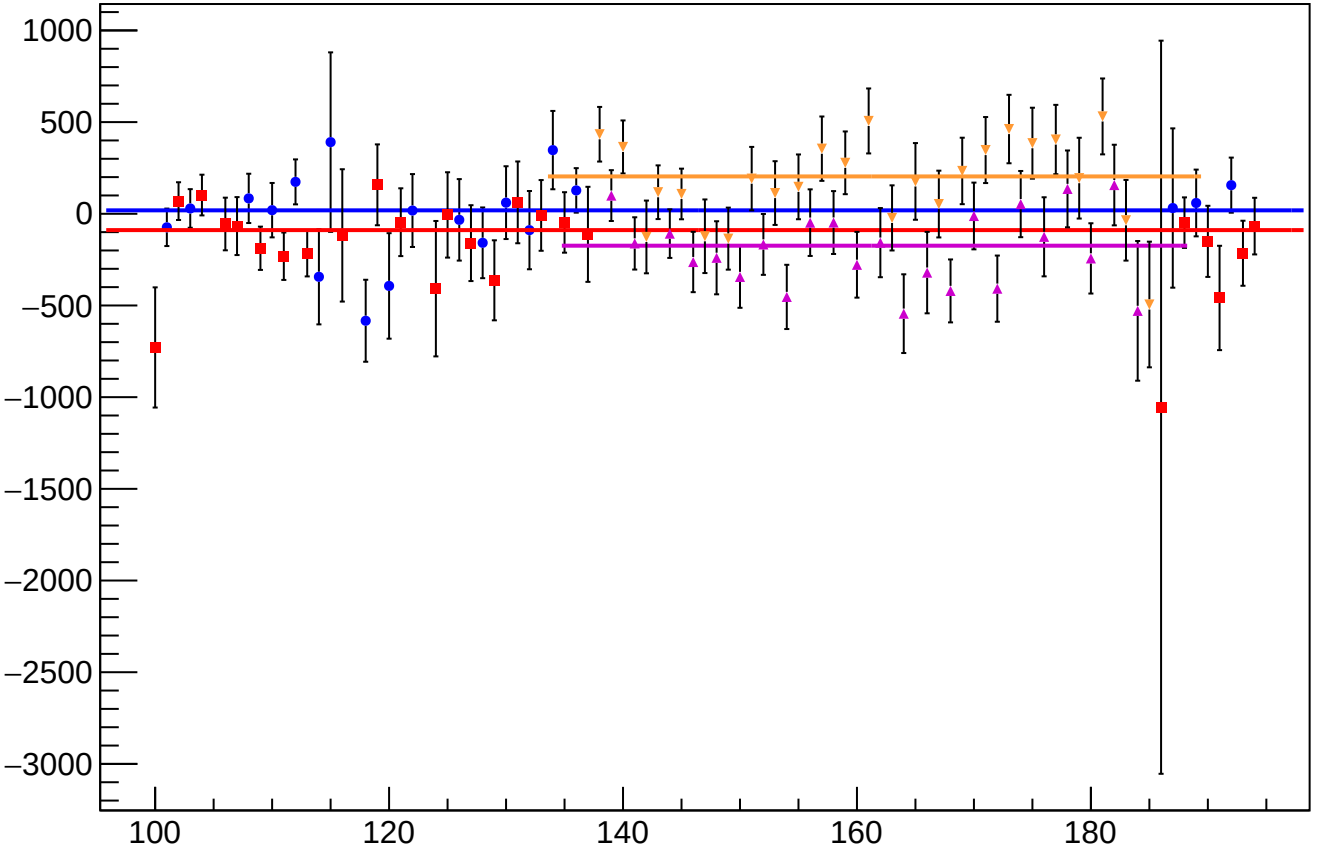
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 888.926+/-0.122 χ^2/NDF: 3342981.0/43

All: 870.459+/-0.084 χ^2/NDF: 8019316.7/91

- sign 853.693+/-0.117 χ^2/NDF: 4632917.0/47

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: -88.974+/-34.070 χ^2/NDF: 19.4/24

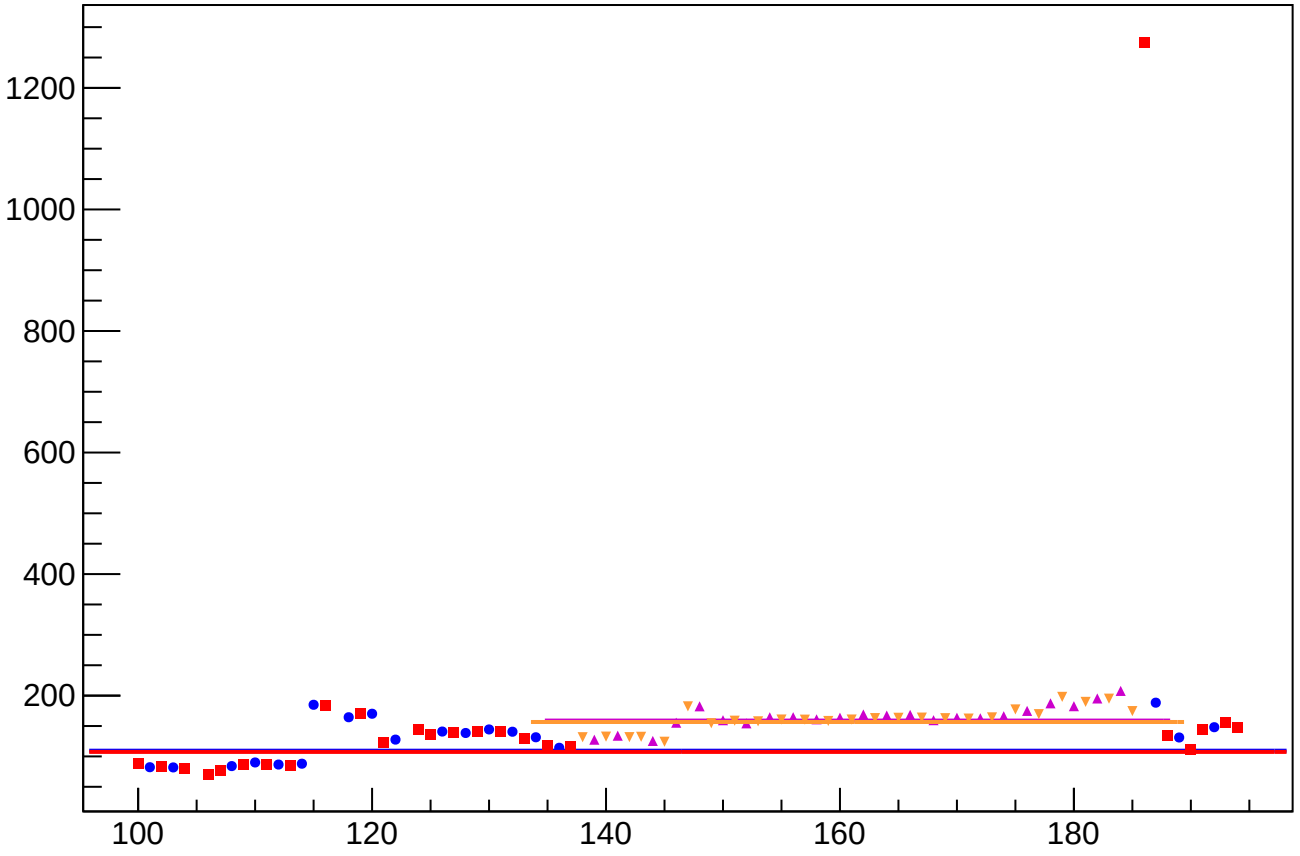
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 116.499+/-26.075 χ^2/NDF: 65.2/43

All: -9.731+/-18.116 χ^2/NDF: 157.2/91

- sign -127.518+/-25.188 χ^2/NDF: 46.8/47

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: 107.406+/-0.024 χ^2/NDF: 2206599.1/24

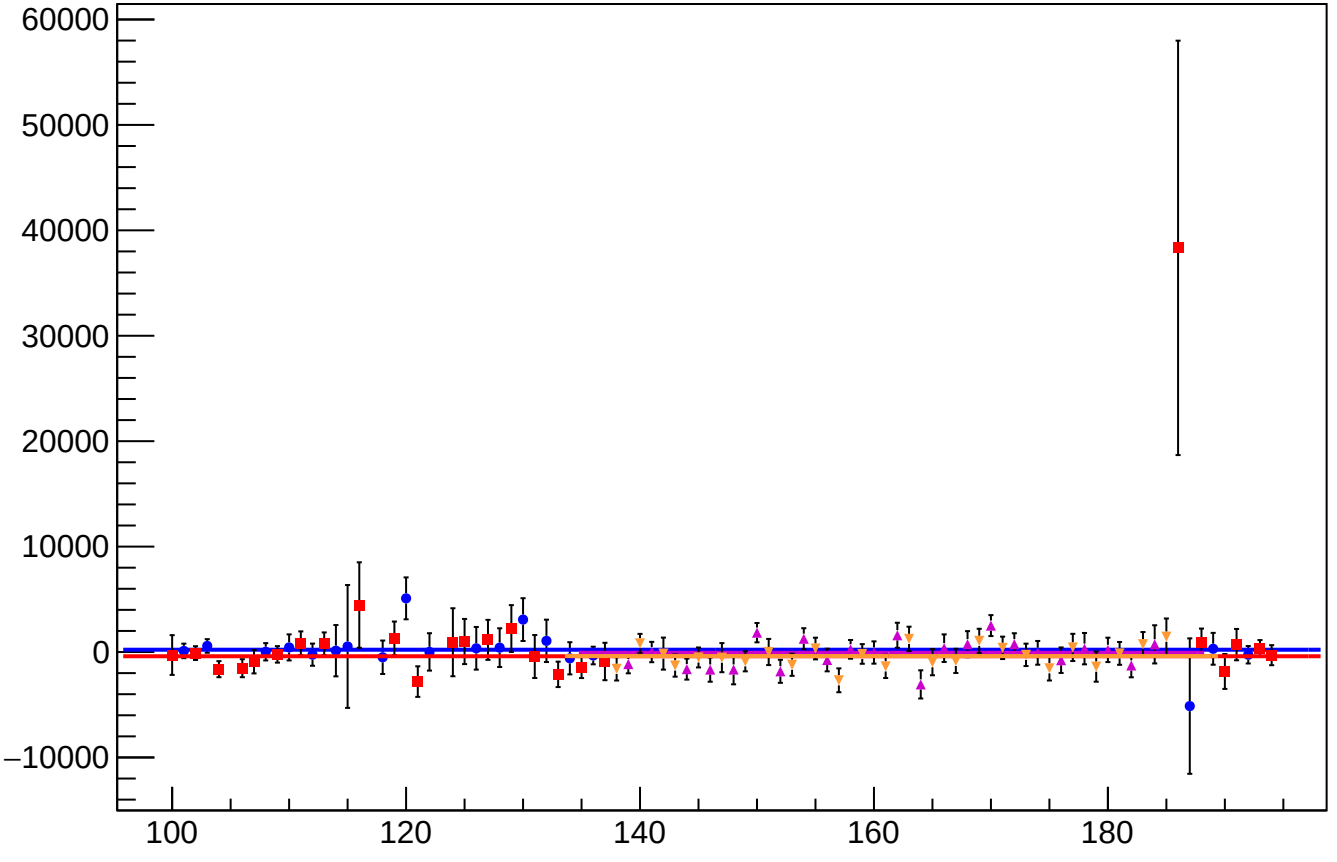
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.350+/-0.018 χ^2/NDF: 3401847.0/43

All: 132.503+/-0.013 χ^2/NDF: 8214994.8/91

- sign 130.779+/-0.018 χ^2/NDF: 4793736.5/47

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: -399.861+/-236.948 χ^2/NDF: 25.5/24

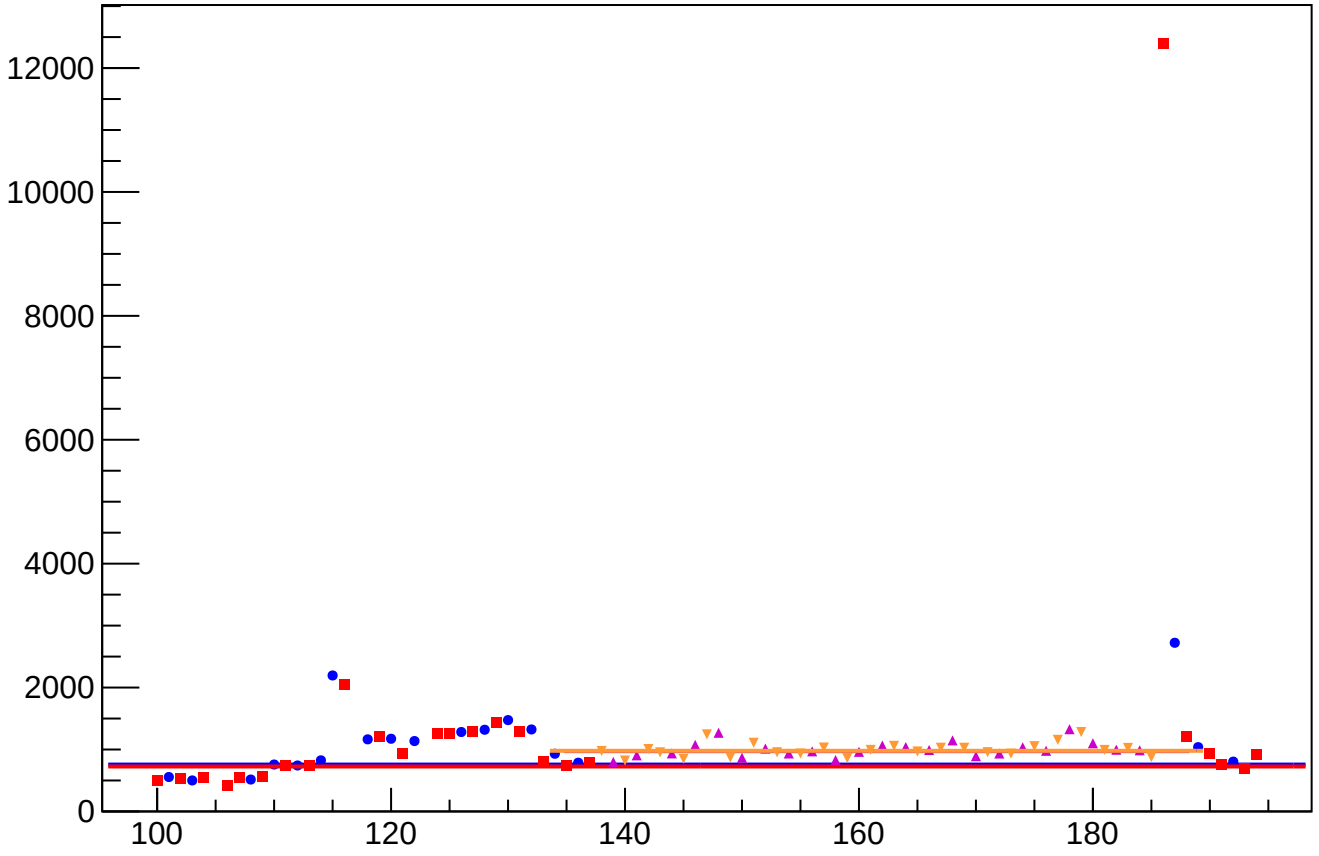
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -137.458+/-173.118 χ^2/NDF: 32.4/43

All: -187.093+/-119.423 χ^2/NDF: 92.1/91

- sign -232.159+/-164.958 χ^2/NDF: 59.5/47

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: 725.965+/-0.168 χ^2/NDF: 3006579.0/24

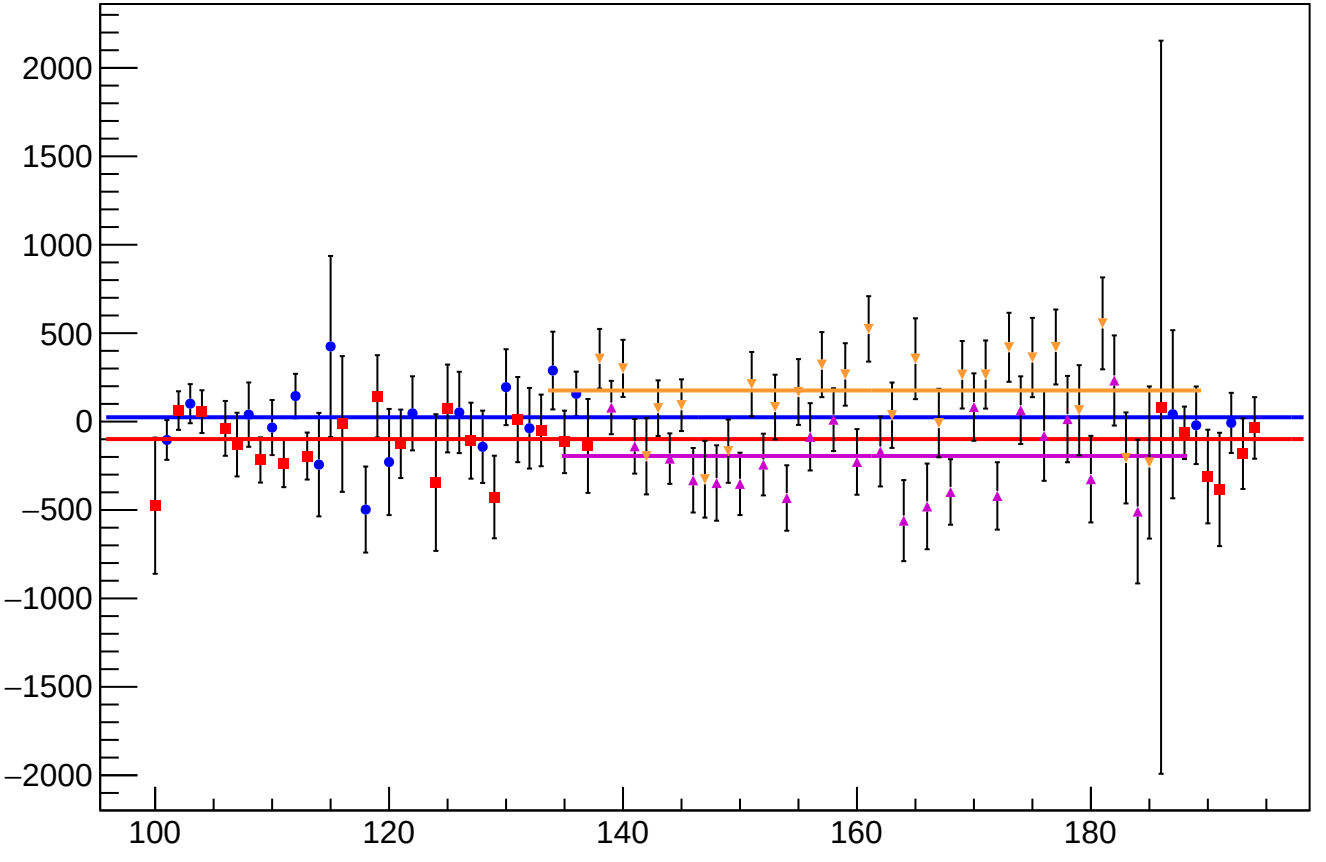
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 888.926+/-0.122 χ^2/NDF: 3342981.0/43

All: 870.459+/-0.084 χ^2/NDF: 8019316.7/91

- sign 853.693+/-0.117 χ^2/NDF: 4632917.0/47

dit_asym_sam5_mean vs Slug



Right In: 24.388+/-41.177 χ^2/NDF: 13.6/18

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -99.015+/-36.855 χ^2/NDF: 13.5/24

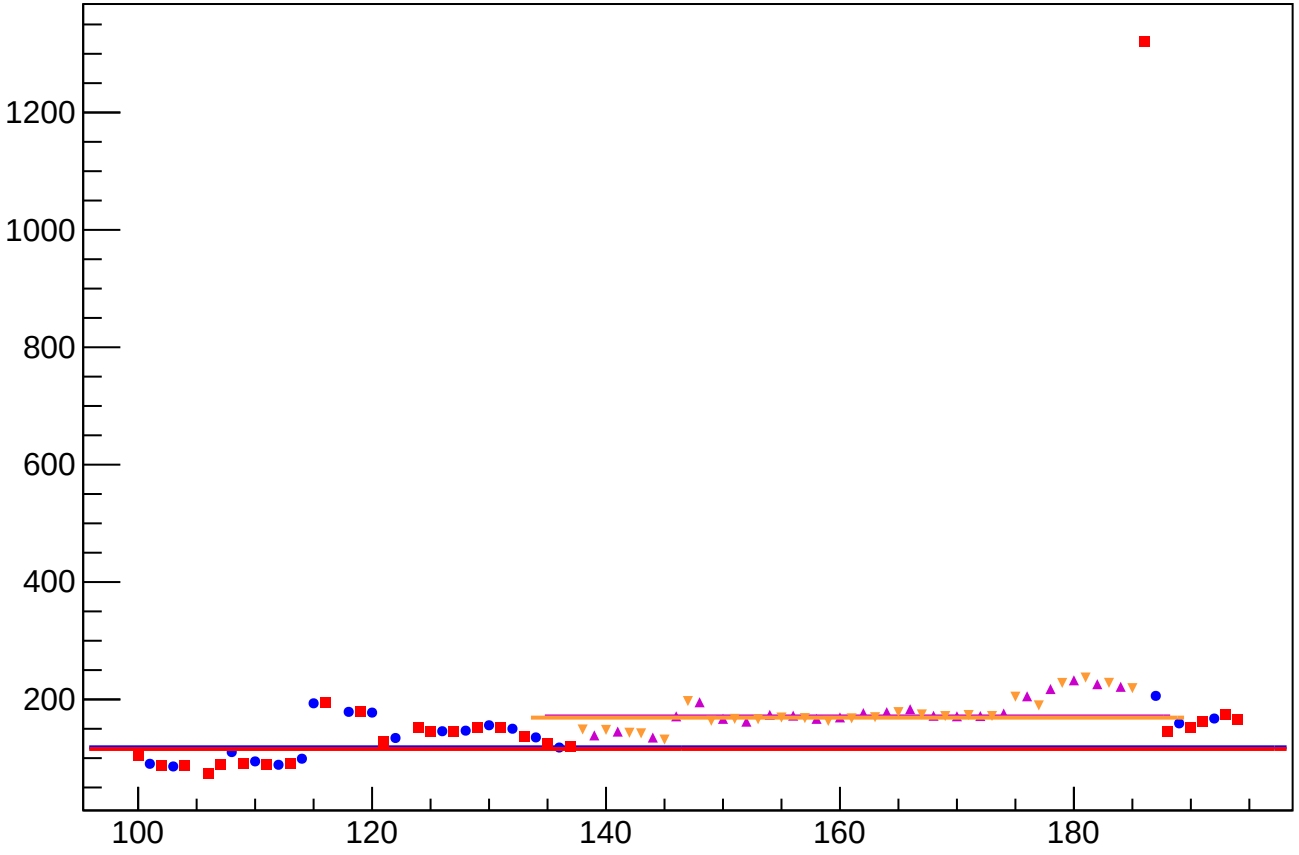
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 104.629+/-28.253 χ^2/NDF: 51.6/43

All: -23.435+/-19.603 χ^2/NDF: 131.6/91

- sign -142.324+/-27.222 χ^2/NDF: 40.4/47

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: 115.630+/-0.026 χ^2/NDF: 2294036.4/24

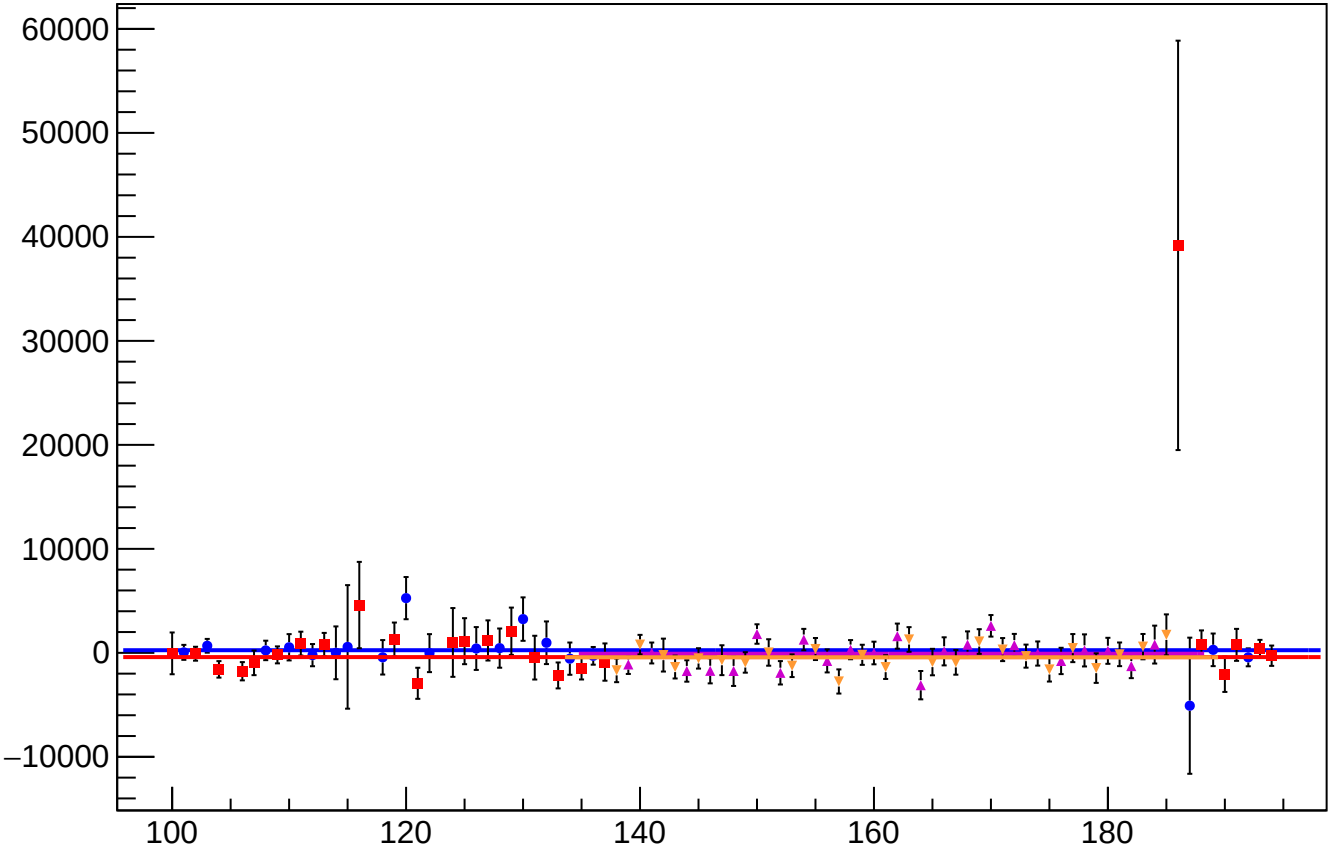
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 145.175+/-0.020 χ^2/NDF: 3582908.3/43

All: 142.906+/-0.014 χ^2/NDF: 8632791.1/91

- sign 140.800+/-0.019 χ^2/NDF: 5025015.9/47

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: -408.510+/-245.332 χ^2/NDF: 26.0/24

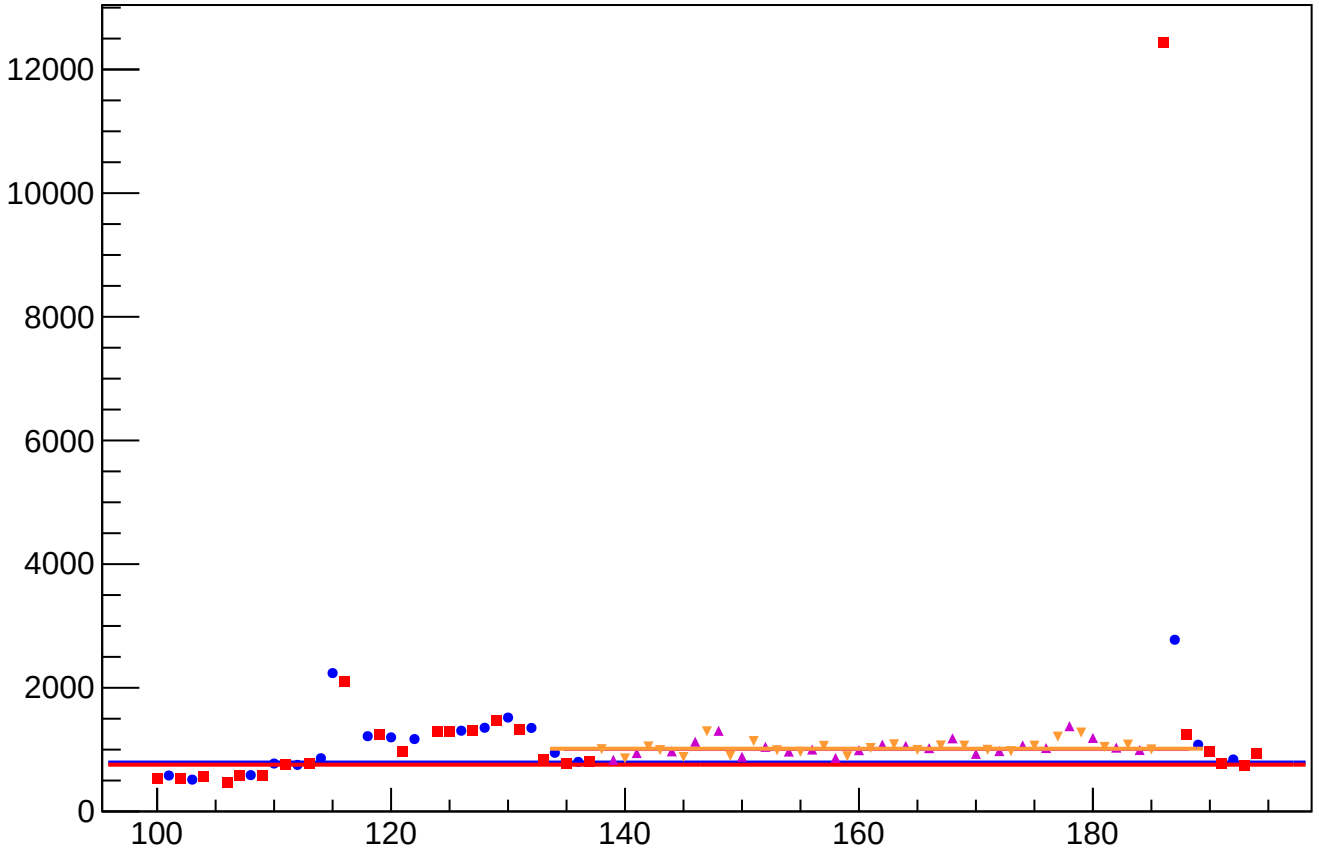
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -151.974+/-179.633 χ^2/NDF: 33.0/43

All: -199.611+/-123.810 χ^2/NDF: 92.5/91

- sign -242.719+/-170.882 χ^2/NDF: 59.3/47

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: 756.329+/-0.173 χ^2/NDF: 2891213.0/24

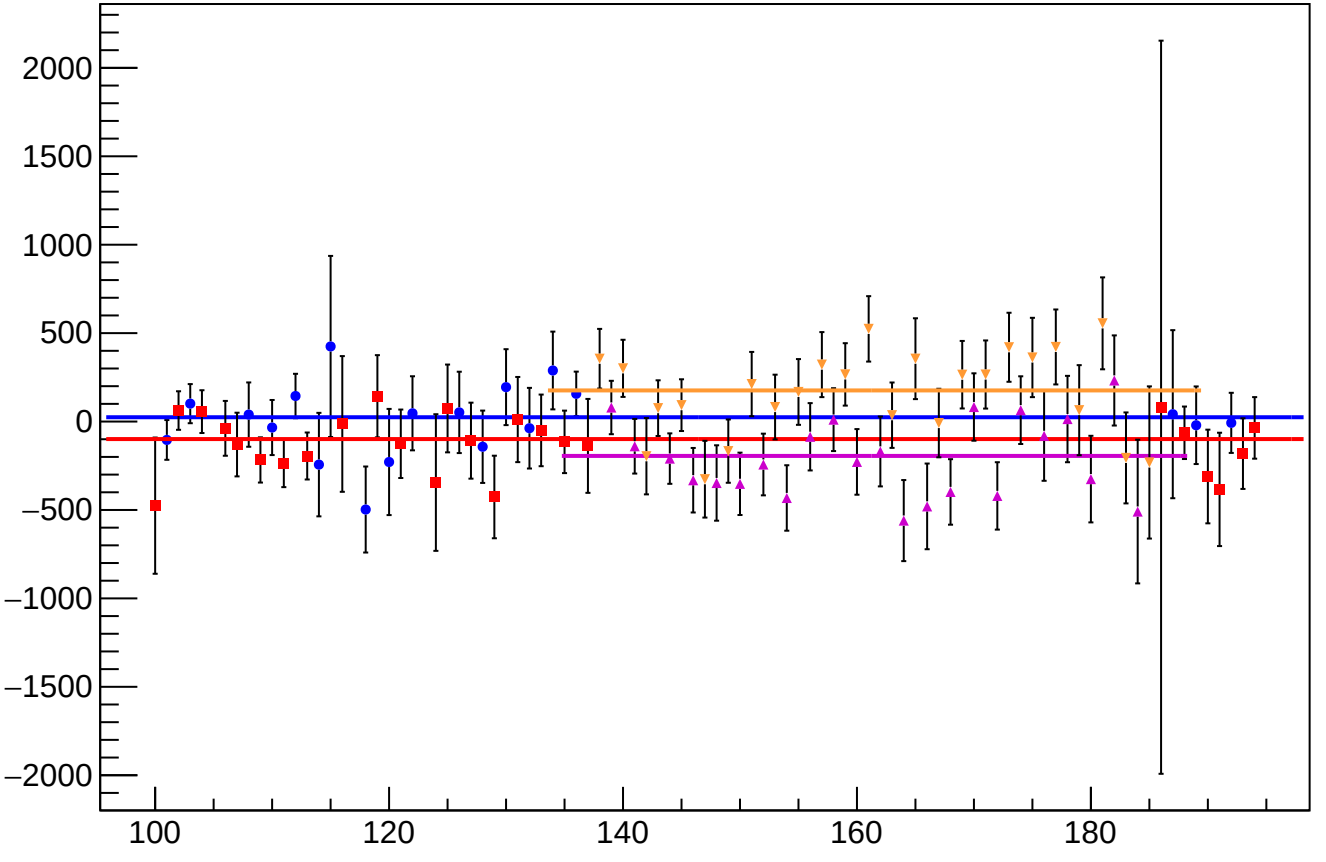
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 924.679+/-0.127 χ^2/NDF: 3154738.6/43

All: 904.773+/-0.088 χ^2/NDF: 7689549.4/91

- sign 886.760+/-0.121 χ^2/NDF: 4488028.8/47

eigen_dit_asym_sam5_mean vs Slug



Right In: 24.387+/-41.177 χ^2/NDF: 13.6/18

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -99.015+/-36.855 χ^2/NDF: 13.5/24

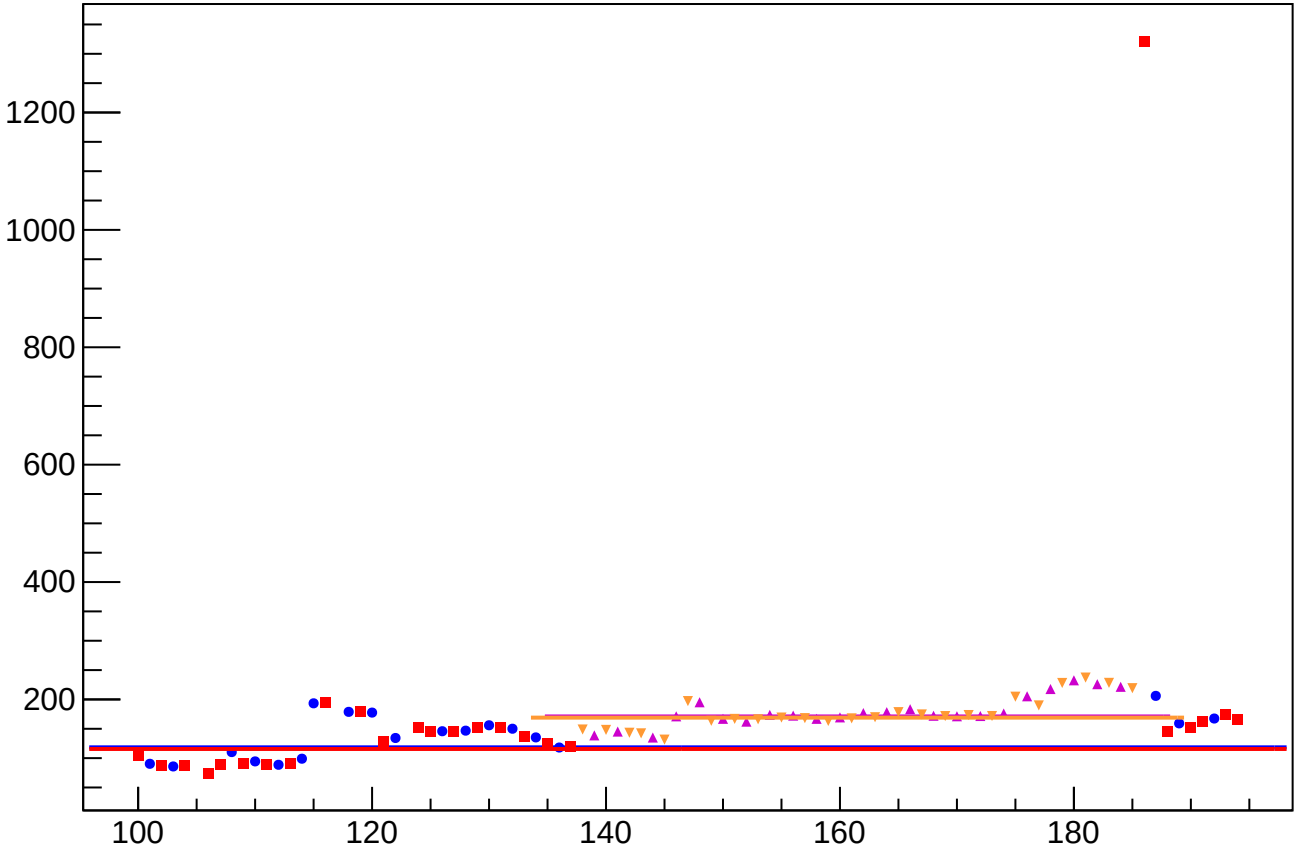
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 104.629+/-28.253 χ^2/NDF: 51.6/43

All: -23.435+/-19.603 χ^2/NDF: 131.6/91

- sign -142.324+/-27.222 χ^2/NDF: 40.4/47

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: 115.630+/-0.026 χ^2/NDF: 2294033.8/24

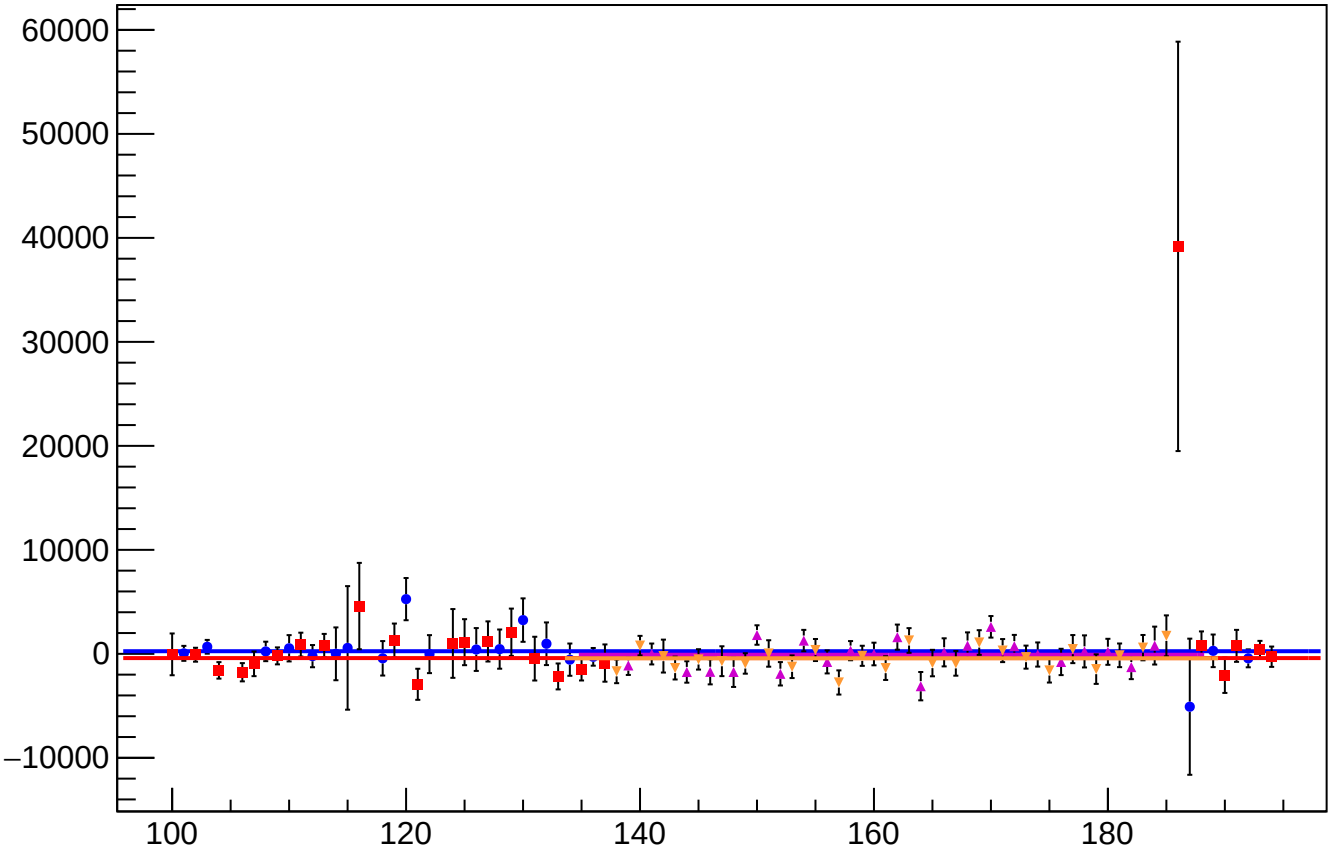
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 145.175+/-0.020 χ^2/NDF: 3582926.9/43

All: 142.906+/-0.014 χ^2/NDF: 8632829.7/91

- sign 140.800+/-0.019 χ^2/NDF: 5025036.7/47

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: -408.511+/-245.331 χ^2/NDF: 26.0/24

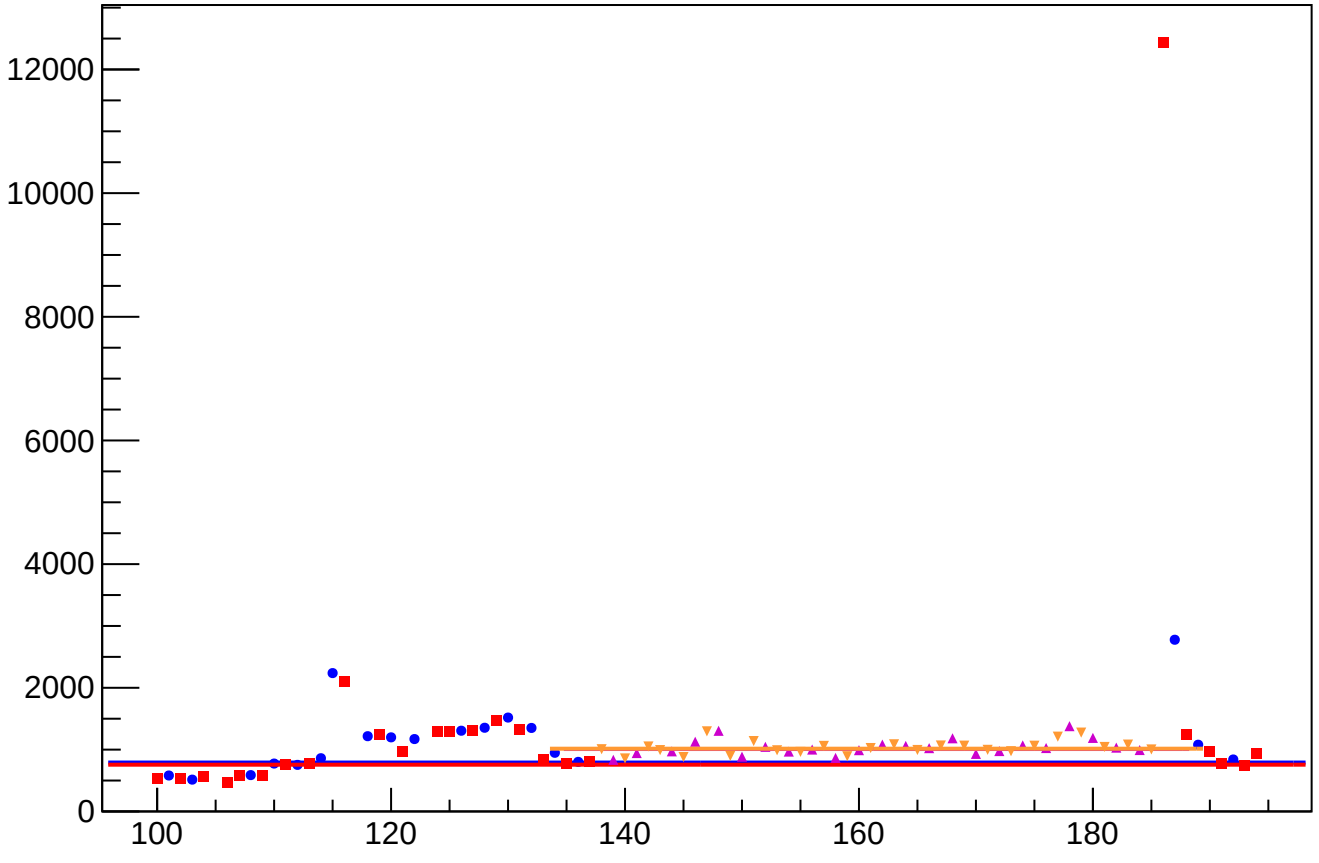
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -151.973+/-179.633 χ^2/NDF: 33.0/43

All: -199.611+/-123.810 χ^2/NDF: 92.5/91

- sign -242.720+/-170.882 χ^2/NDF: 59.3/47

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: 756.328+/-0.173 χ^2/NDF: 2891214.6/24

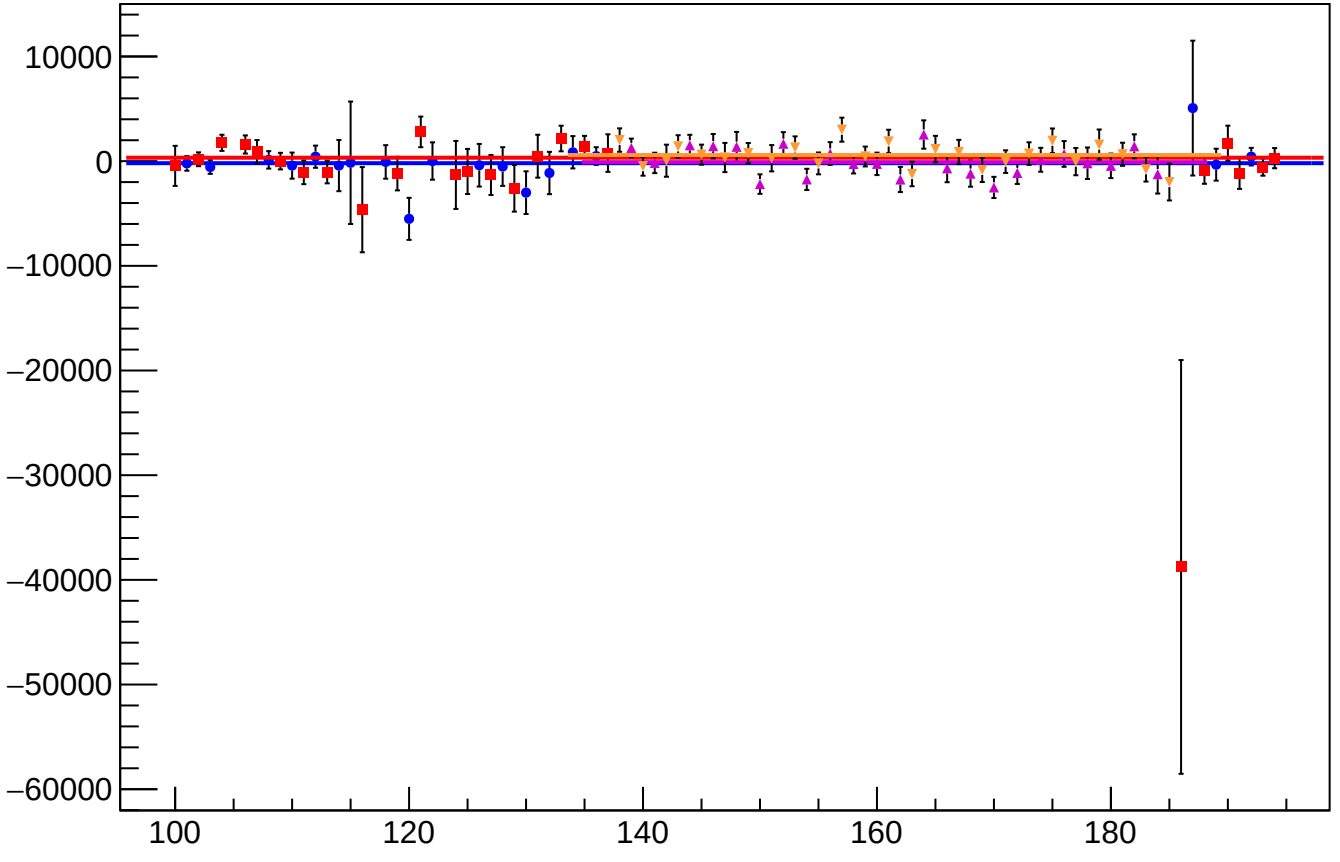
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 924.679+/-0.127 χ^2/NDF: 3154751.0/43

All: 904.773+/-0.088 χ^2/NDF: 7689580.8/91

- sign 886.760+/-0.121 χ^2/NDF: 4488047.8/47

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: 328.966+/-239.934 χ^2/NDF: 28.5/24

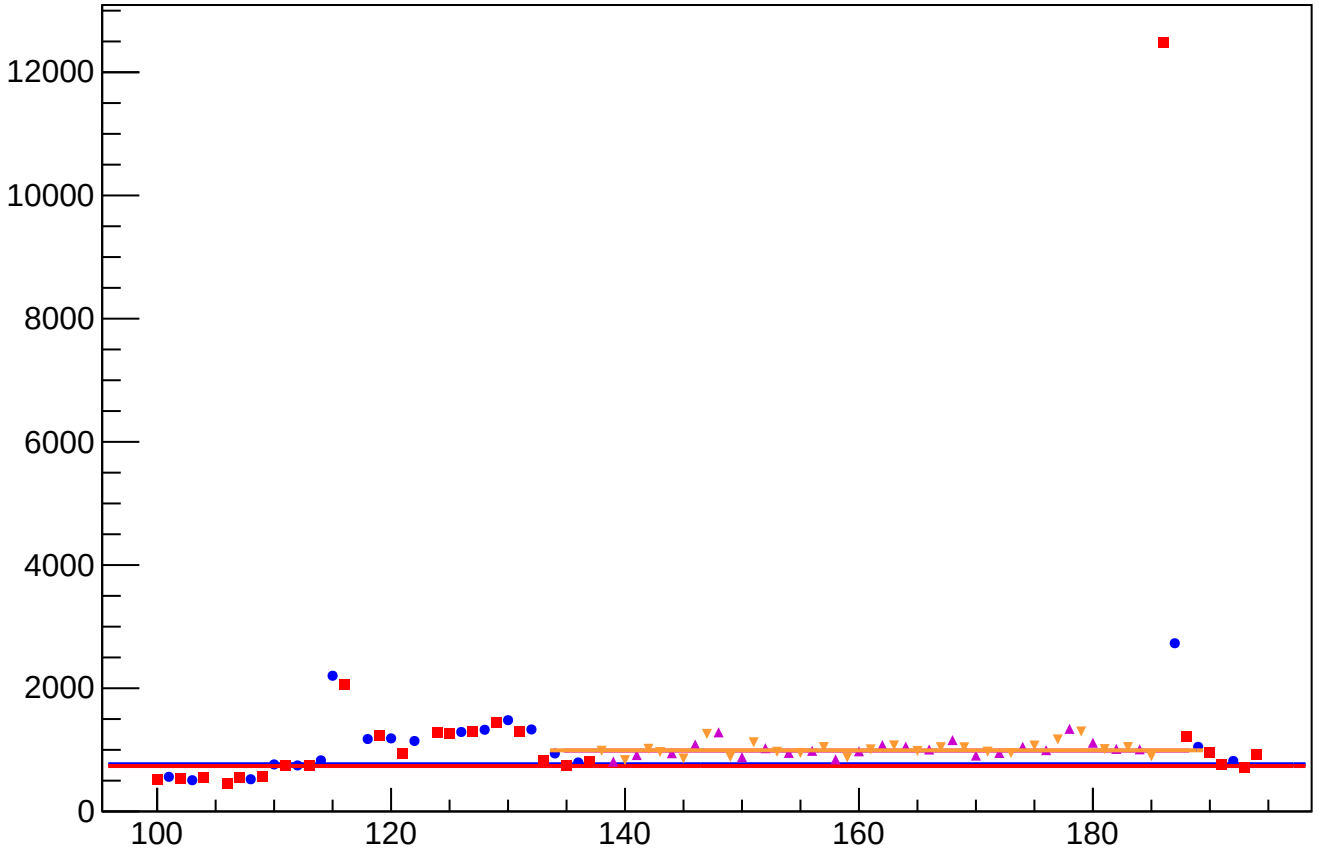
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 269.337+/-175.329 χ^2/NDF: 37.9/43

All: 186.906+/-120.985 χ^2/NDF: 102.9/91

- sign 111.976+/-167.161 χ^2/NDF: 64.6/47

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: 737.342+/-0.170 χ^2/NDF: 2950958.2/24

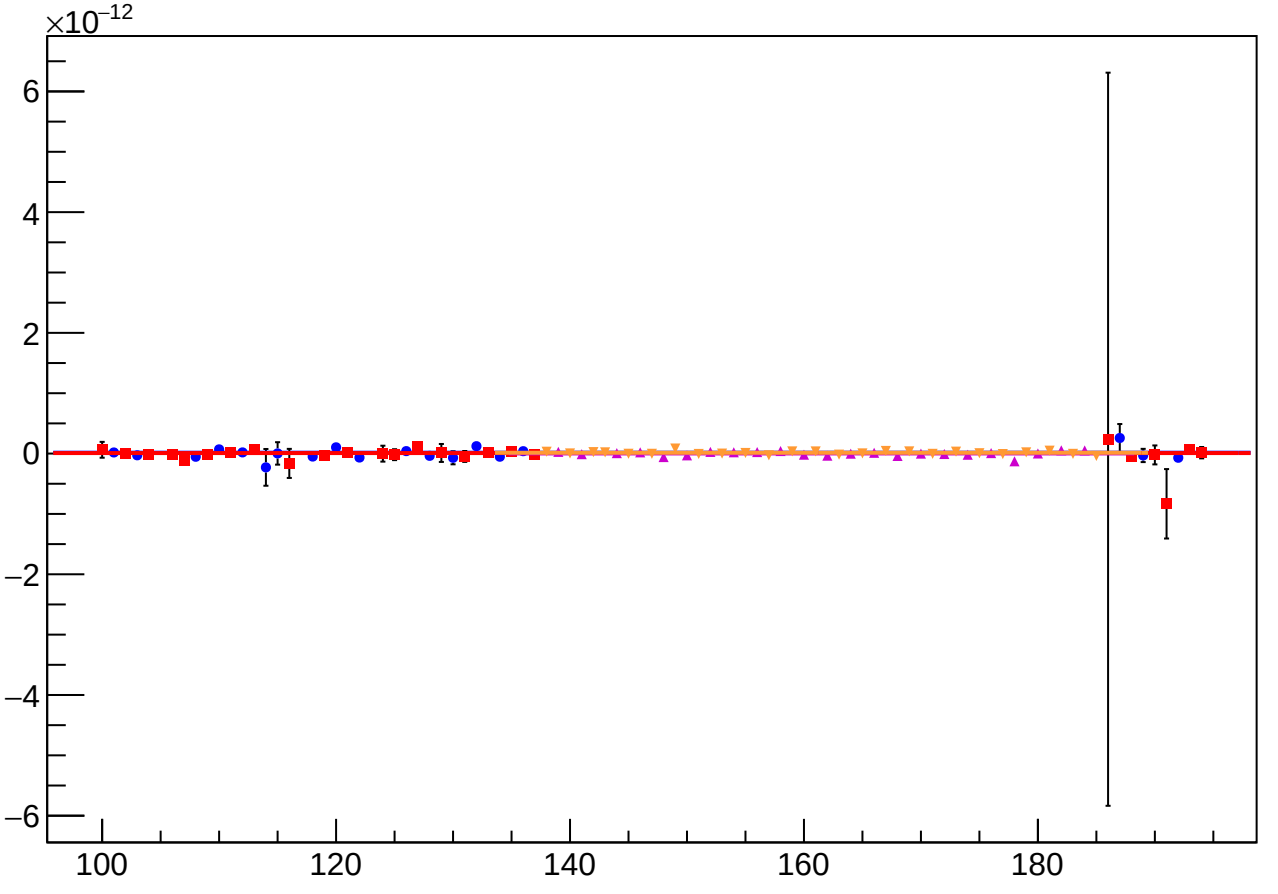
Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 900.562+/-0.124 χ^2/NDF: 3324442.0/43

All: 882.574+/-0.086 χ^2/NDF: 7924680.7/91

- sign 866.224+/-0.118 χ^2/NDF: 4560052.9/47

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

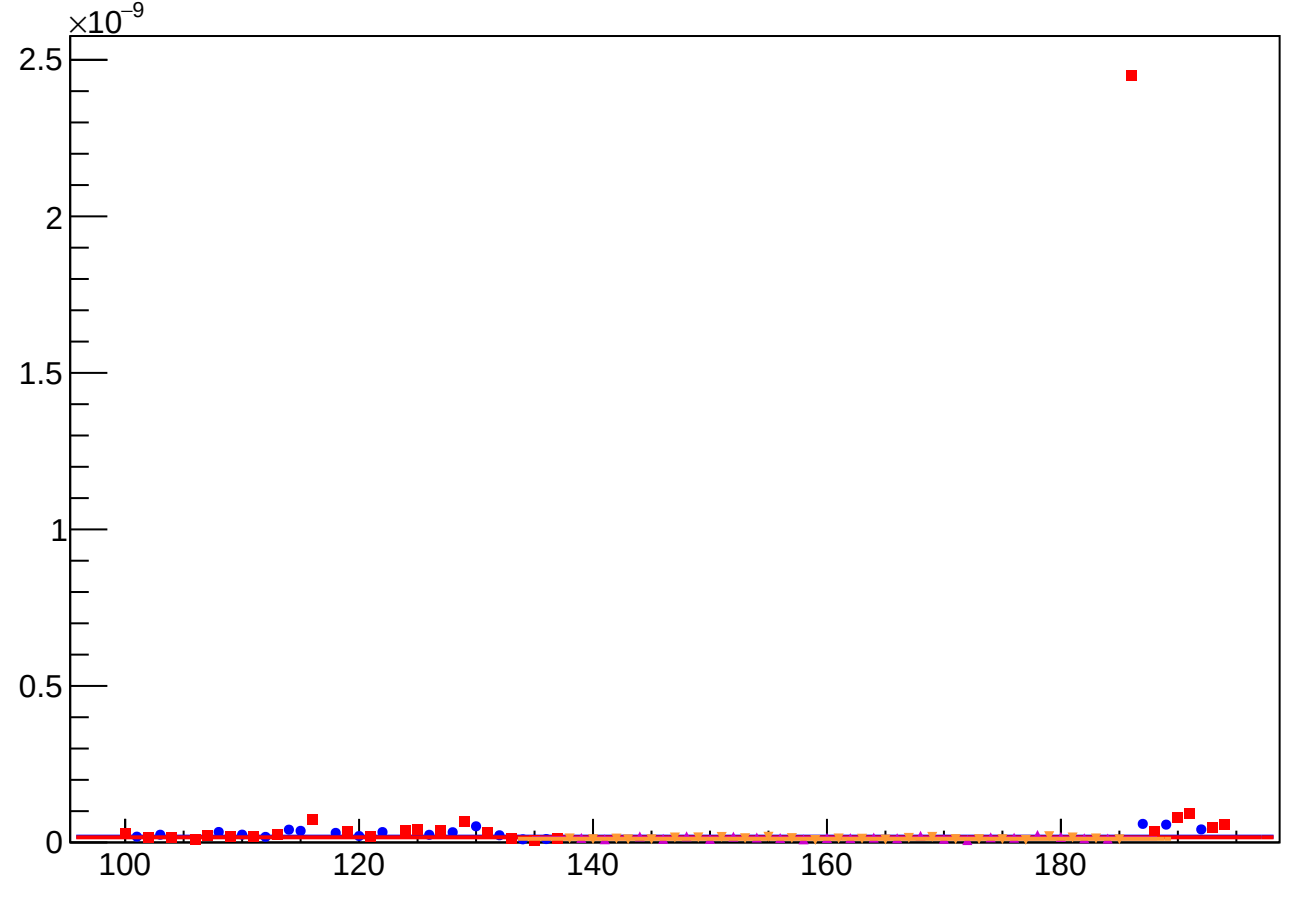
Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/24

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: 92.8/91

- sign 0.000+/-0.000 χ^2/NDF: 46.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 1704518.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

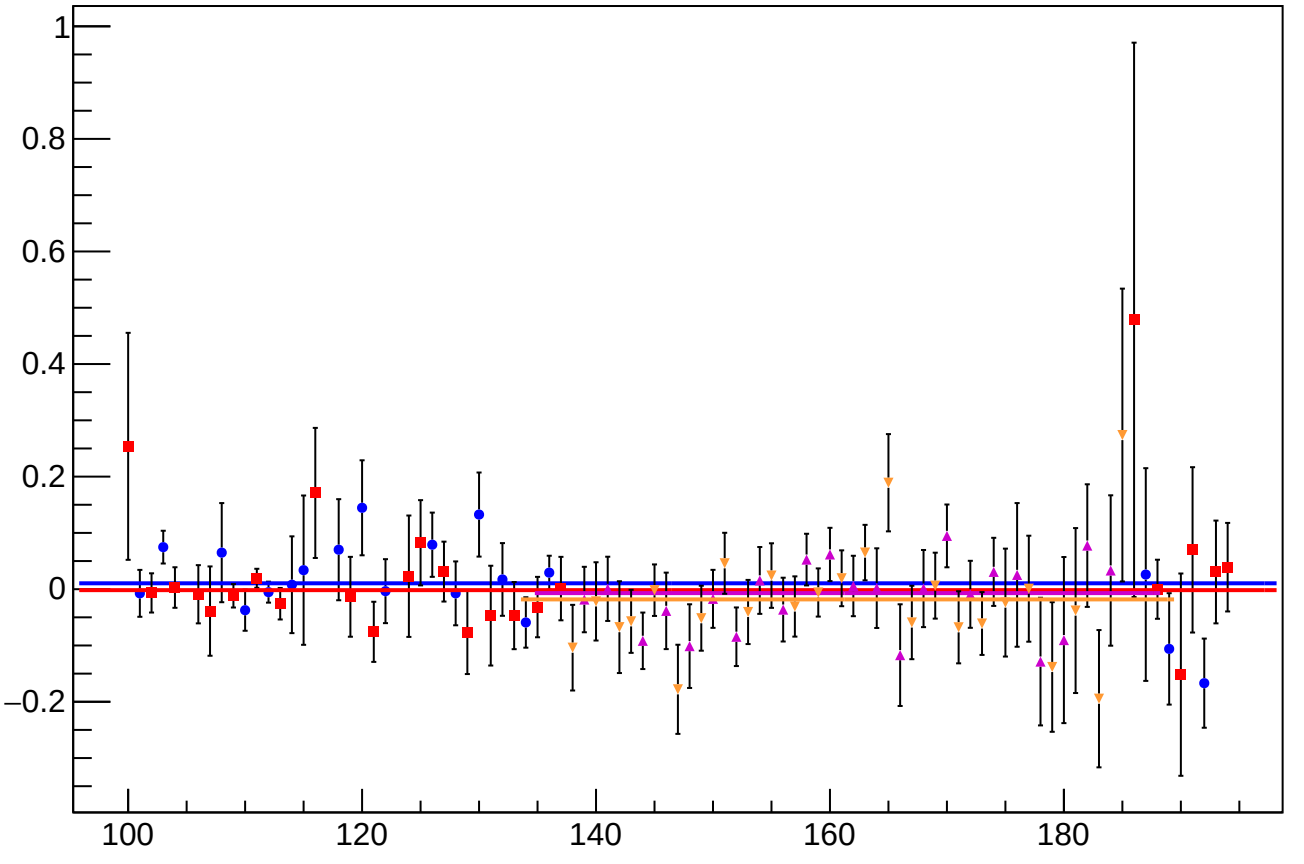
Right Out: 0.000+/-0.000 χ^2/NDF: 3450303.2/24

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 3180728.4/43

All: 0.000+/-0.000 χ^2/NDF: 7740069.7/91

- sign 0.000+/-0.000 χ^2/NDF: 4466257.5/47



Right In: 0.010+/-0.010 χ^2/NDF: 24.4/18

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 14.7/24

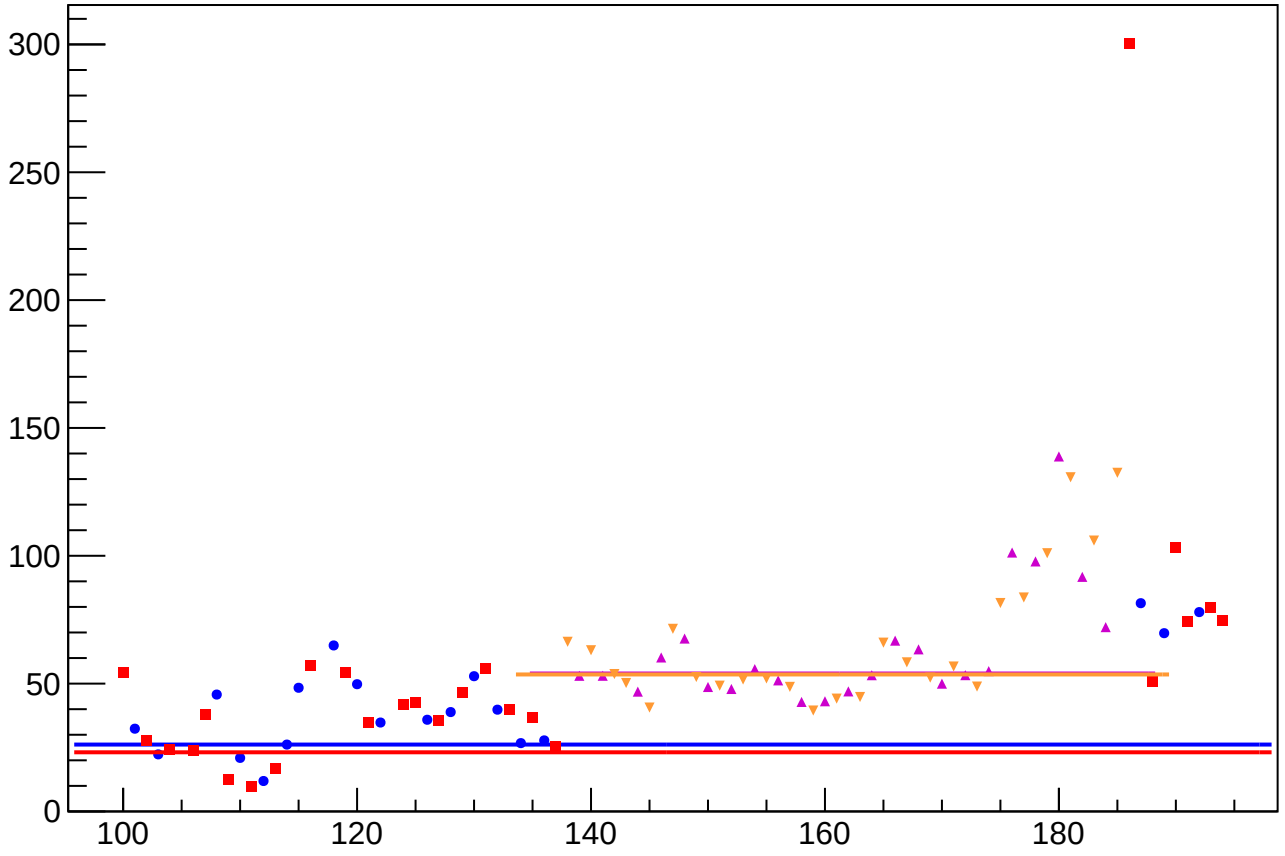
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/43

All: -0.002+/-0.005 χ^2/NDF: 85.3/91

- sign -0.003+/-0.007 χ^2/NDF: 33.6/47

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: 23.138+/-0.006 χ^2/NDF: 7203426.6/24

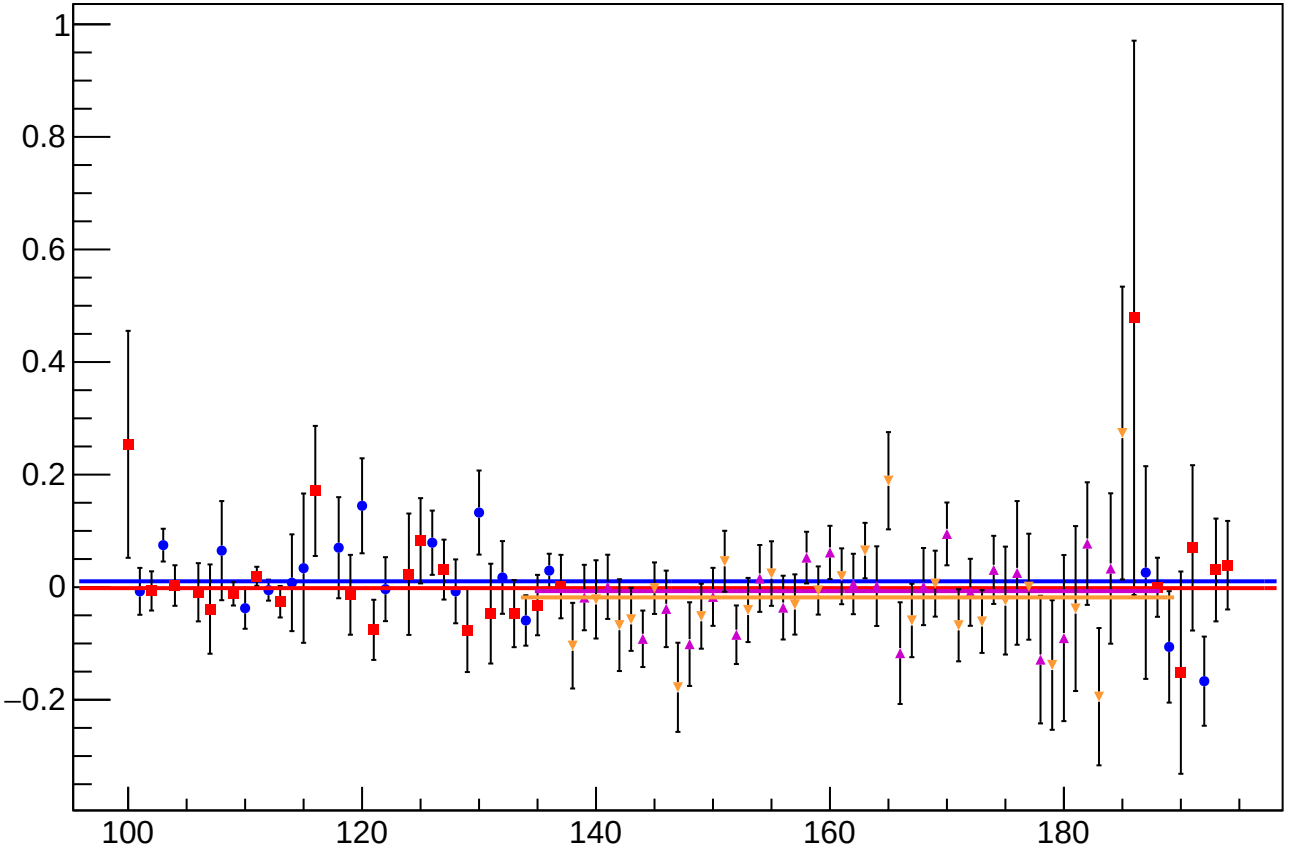
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 37.091+/-0.006 χ^2/NDF: 12106087.7/43

All: 34.791+/-0.004 χ^2/NDF: 29121438.2/91

- sign 32.858+/-0.005 χ^2/NDF: 16717188.0/47

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: 14.7/24

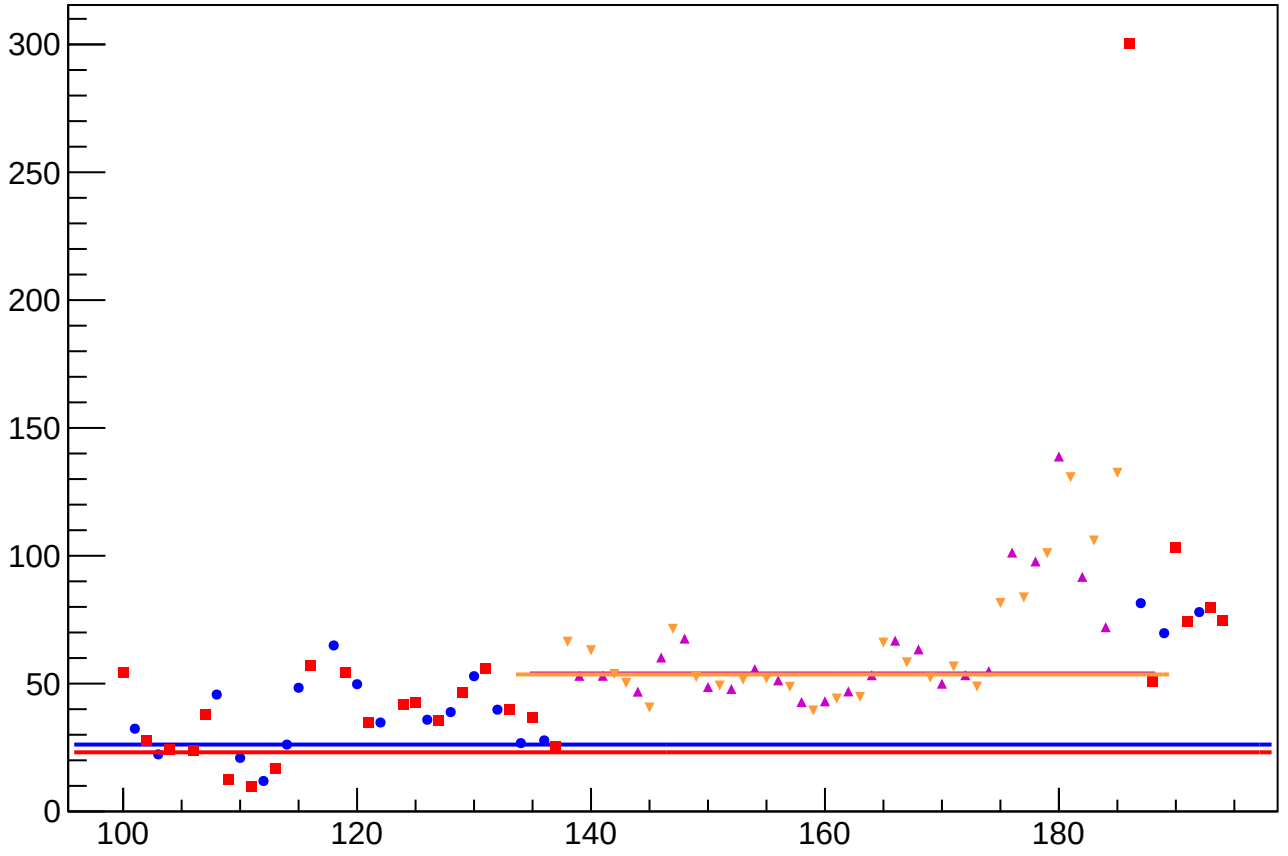
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/43

All: -0.002+/-0.005 χ^2/NDF: 85.3/91

- sign -0.003+/-0.007 χ^2/NDF: 33.6/47

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

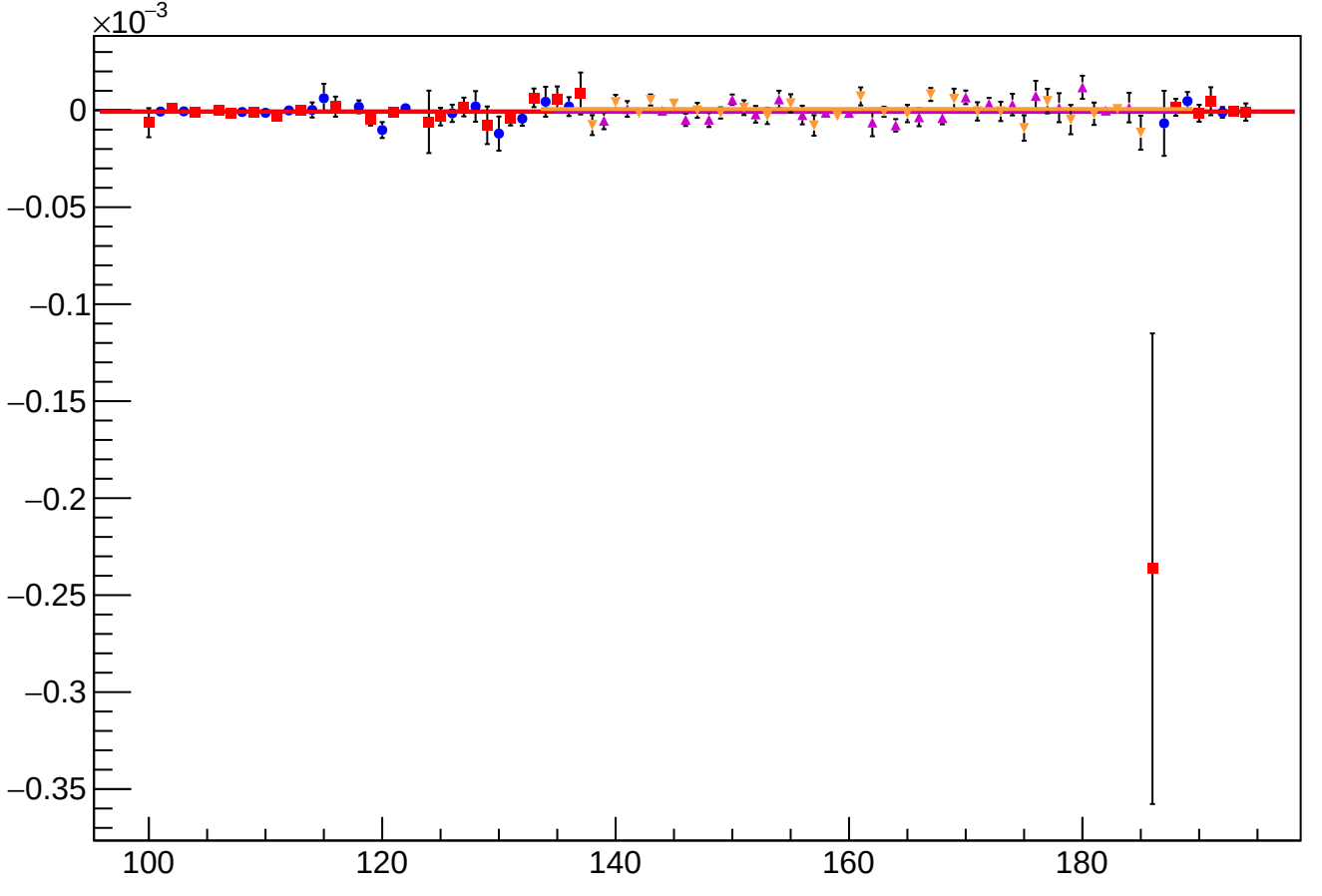
Right Out: 23.138+/-0.006 χ^2/NDF: 7203426.6/24

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

\+ sign 37.091+/-0.006 χ^2/NDF: 12106087.7/43

All: 34.791+/-0.004 χ^2/NDF: 29121438.2/91

\- sign 32.858+/-0.005 χ^2/NDF: 16717188.0/47



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/24

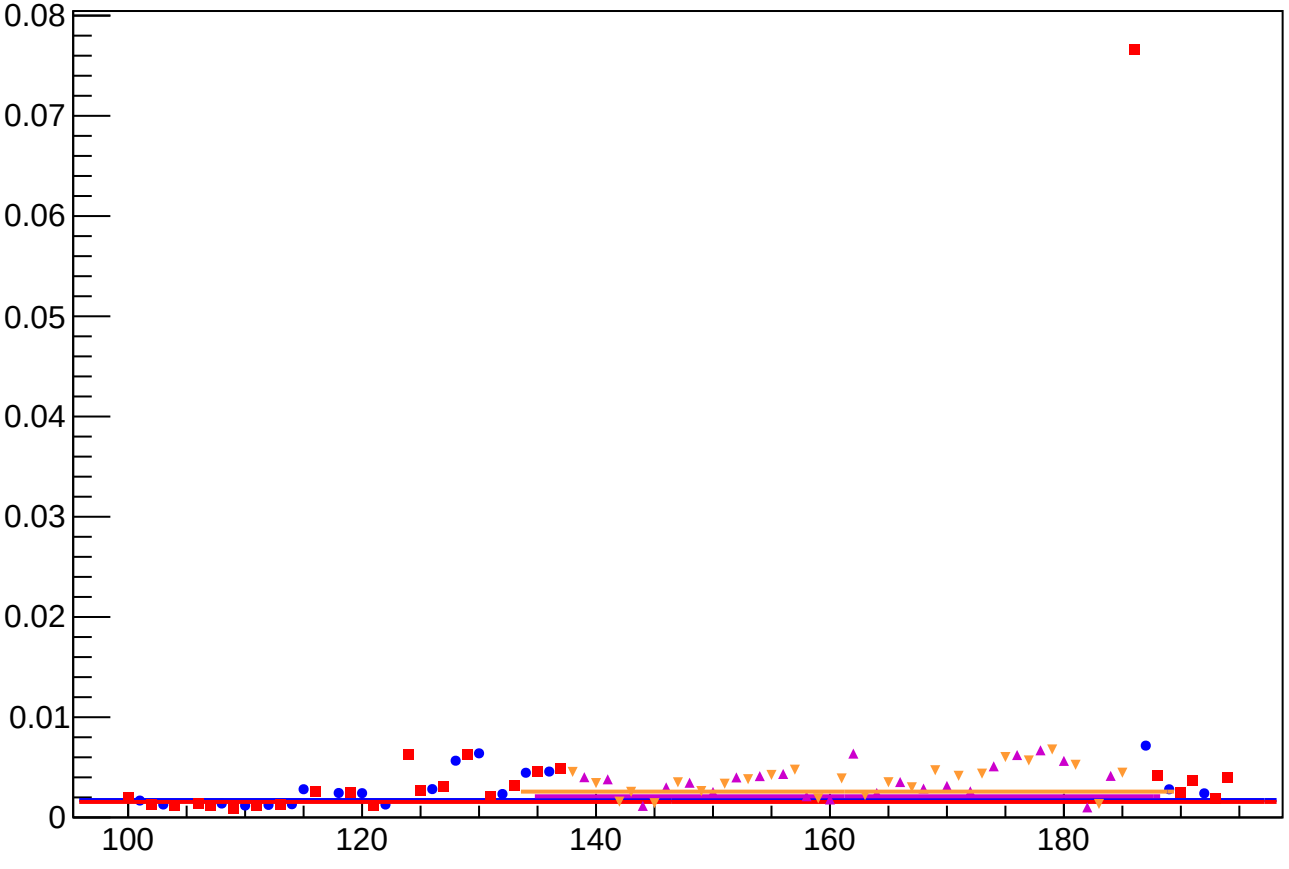
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.5/43

All: -0.000+/-0.000 χ^2/NDF: 94.2/91

- sign -0.000+/-0.000 χ^2/NDF: 47.8/47

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: 5449885.6/24

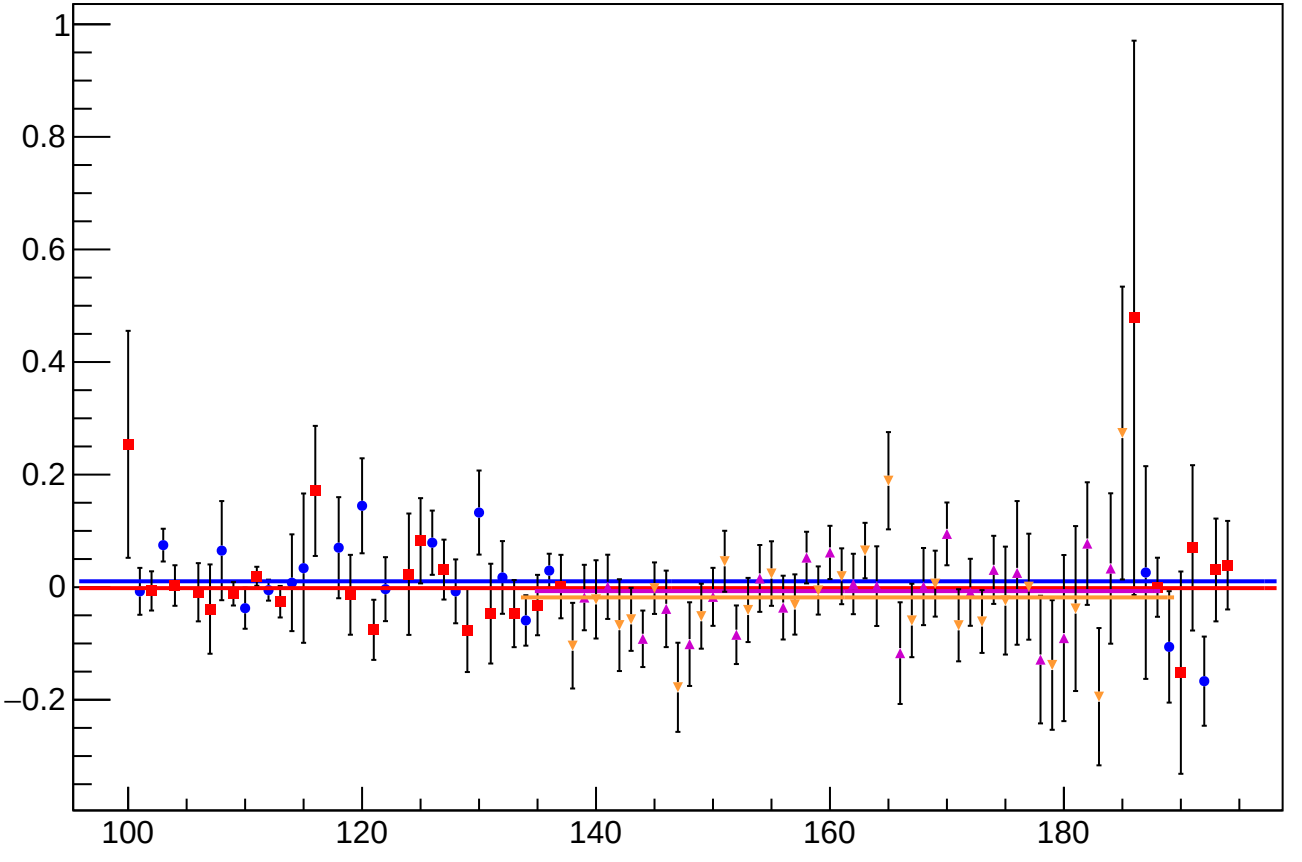
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12095082.5/43

All: 0.002+/-0.000 χ^2/NDF: 28653373.7/91

- sign 0.002+/-0.000 χ^2/NDF: 15930941.6/47

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: 14.7/24

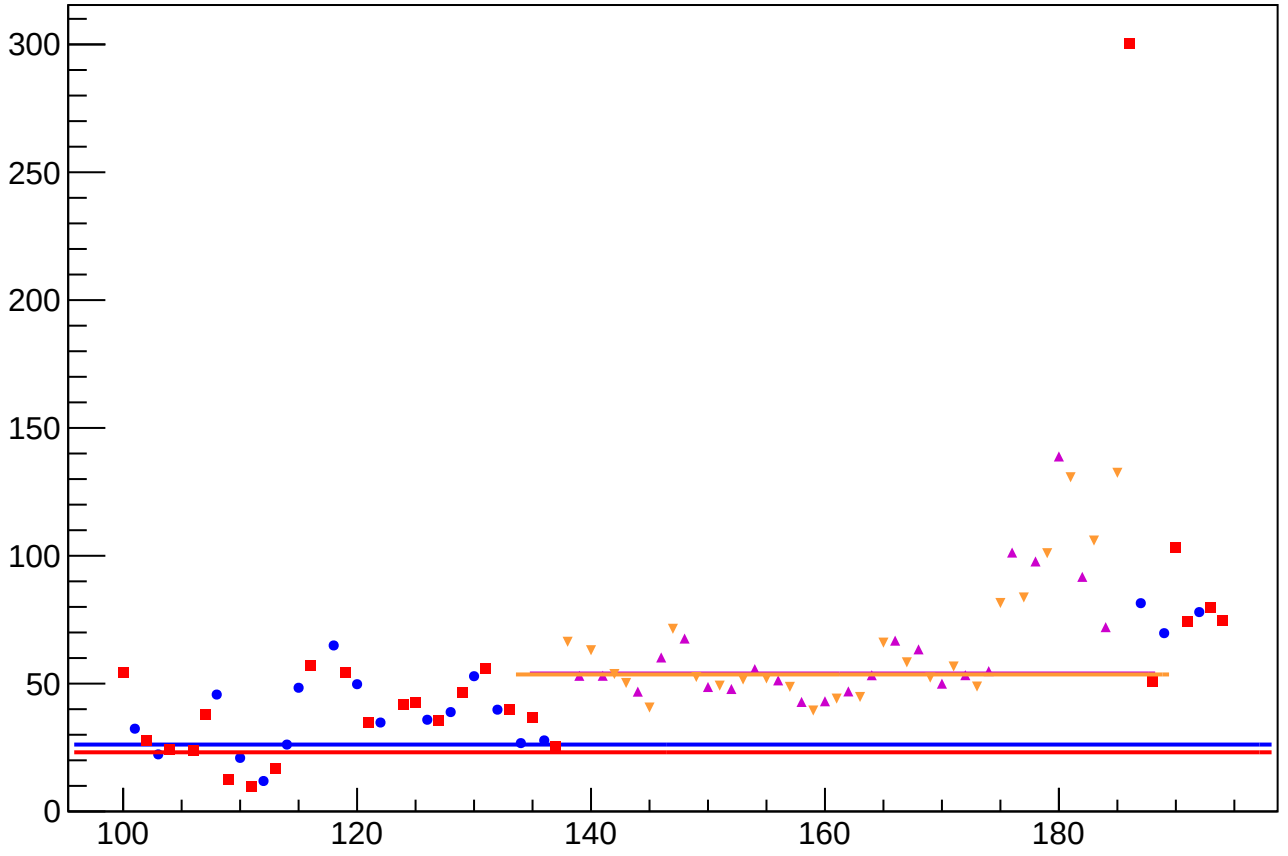
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/43

All: -0.002+/-0.005 χ^2/NDF: 85.3/91

- sign -0.003+/-0.007 χ^2/NDF: 33.6/47

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

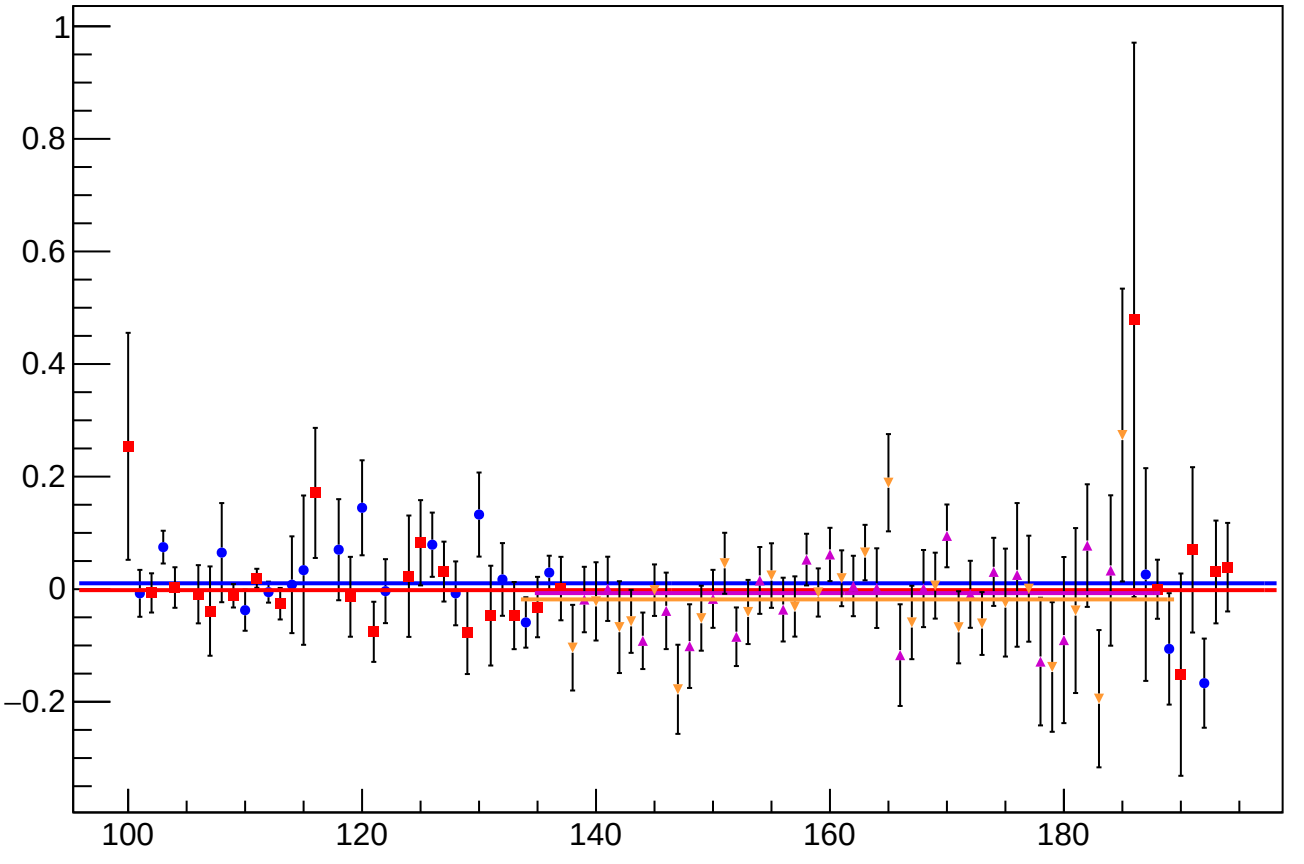
Right Out: 23.137+/-0.006 χ^2/NDF: 7203486.9/24

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 37.090+/-0.006 χ^2/NDF: 12106512.2/43

All: 34.790+/-0.004 χ^2/NDF: 29122459.6/91

- sign 32.857+/-0.005 χ^2/NDF: 16717759.8/47



Right In: 0.010+/-0.010 χ^2/NDF: 24.4/18

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

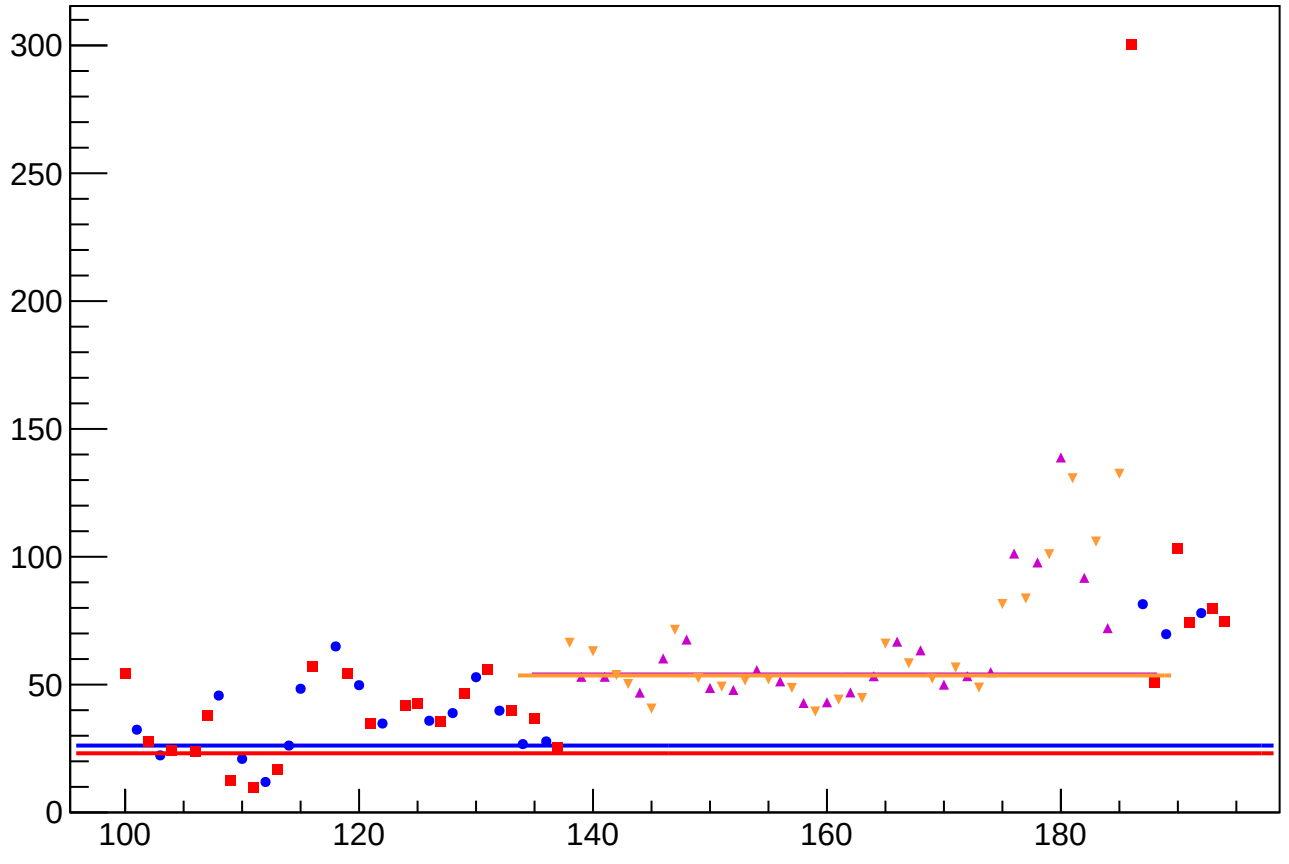
Right Out: -0.002+/-0.009 χ^2/NDF: 14.7/24

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.001+/-0.008 χ^2/NDF: 51.7/43

All: -0.002+/-0.005 χ^2/NDF: 85.3/91

- sign -0.003+/-0.007 χ^2/NDF: 33.6/47



Right In: 26.163+/-0.007 χ^2/NDF: 3944611.7/18

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 23.137+/-0.006 χ^2/NDF: 7203486.9/24

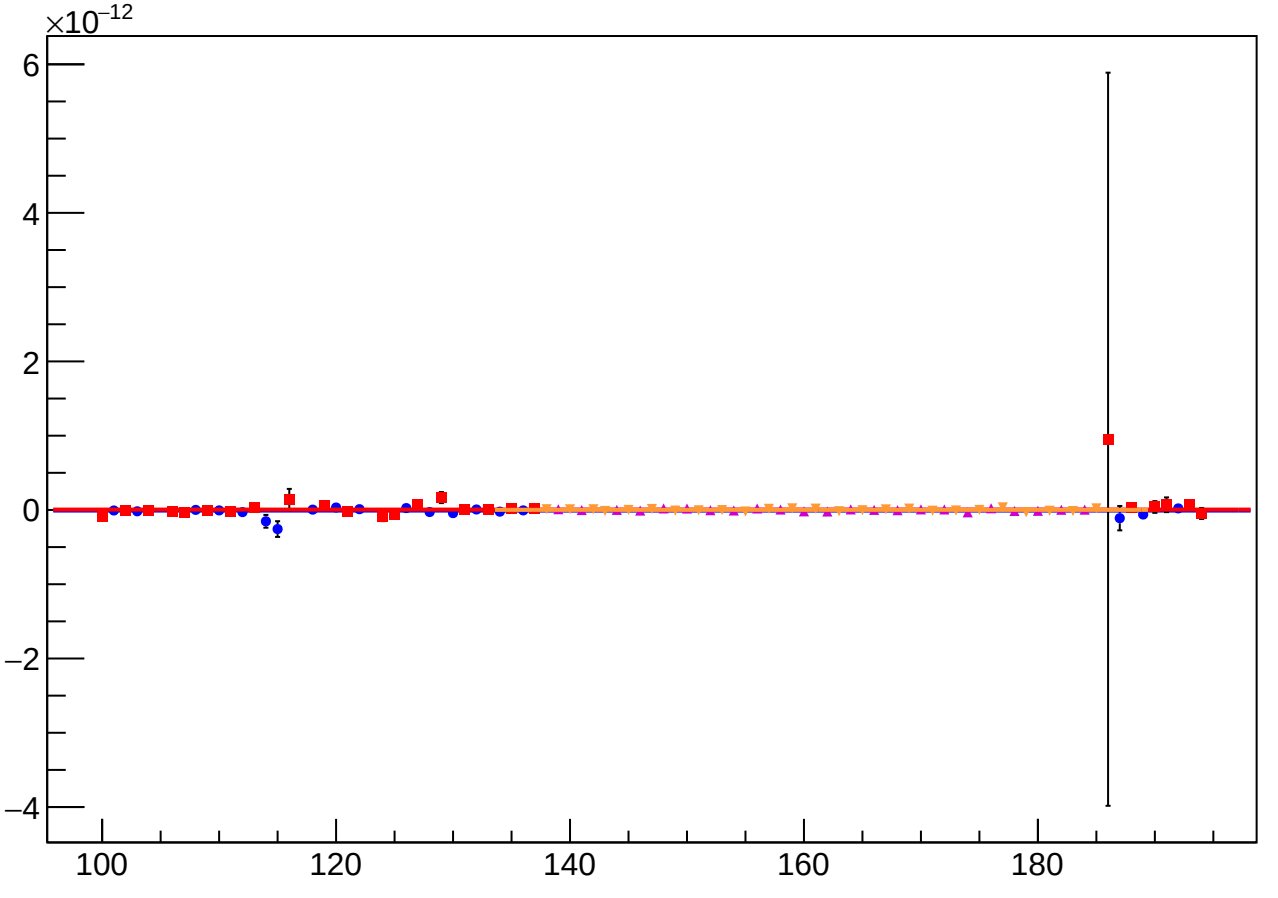
Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 37.090+/-0.006 χ^2/NDF: 12106512.2/43

All: 34.790+/-0.004 χ^2/NDF: 29122459.6/91

- sign 32.857+/-0.005 χ^2/NDF: 16717759.8/47

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/24

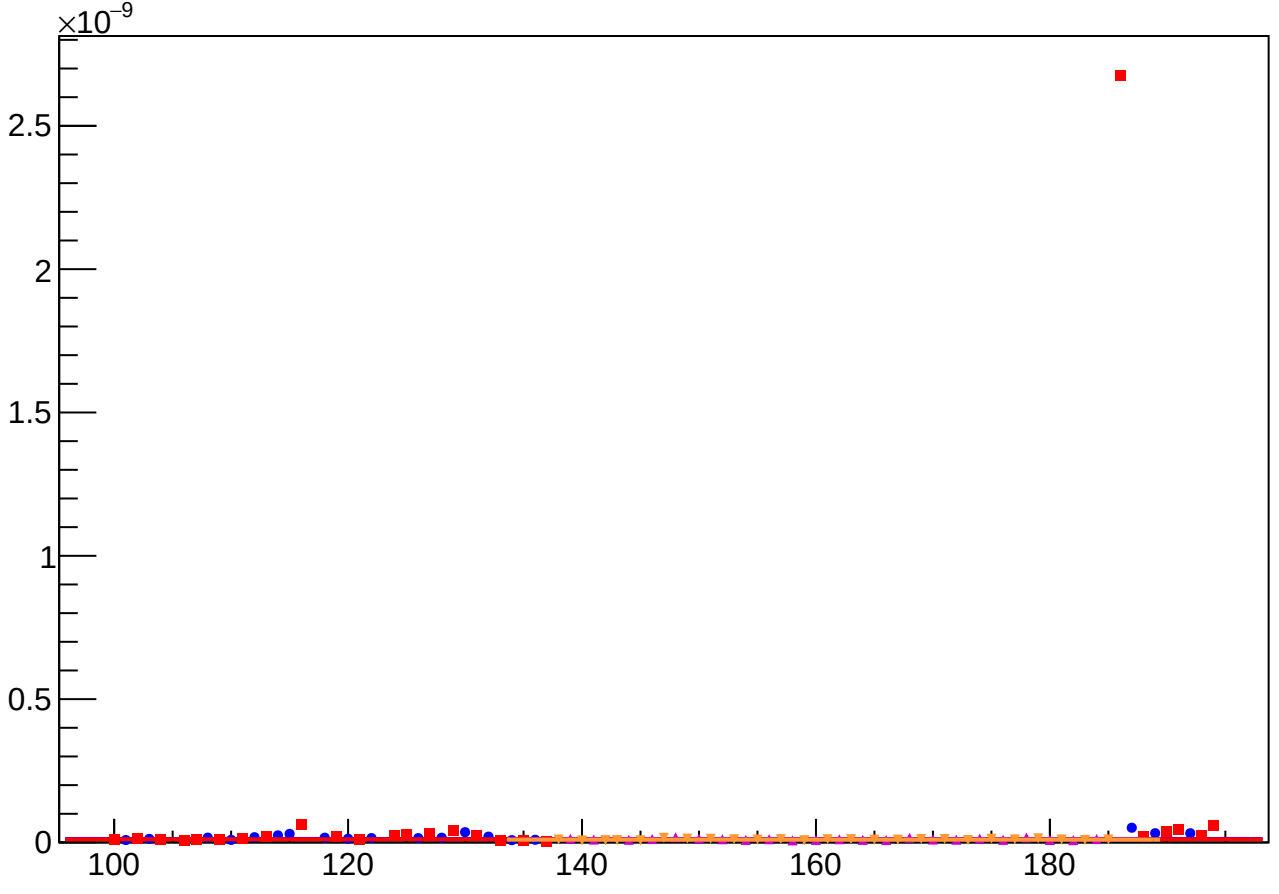
Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.9/43

All: 0.000+/-0.000 χ^2/NDF: 97.1/91

- sign 0.000+/-0.000 χ^2/NDF: 50.9/47

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: 5149121.3/24

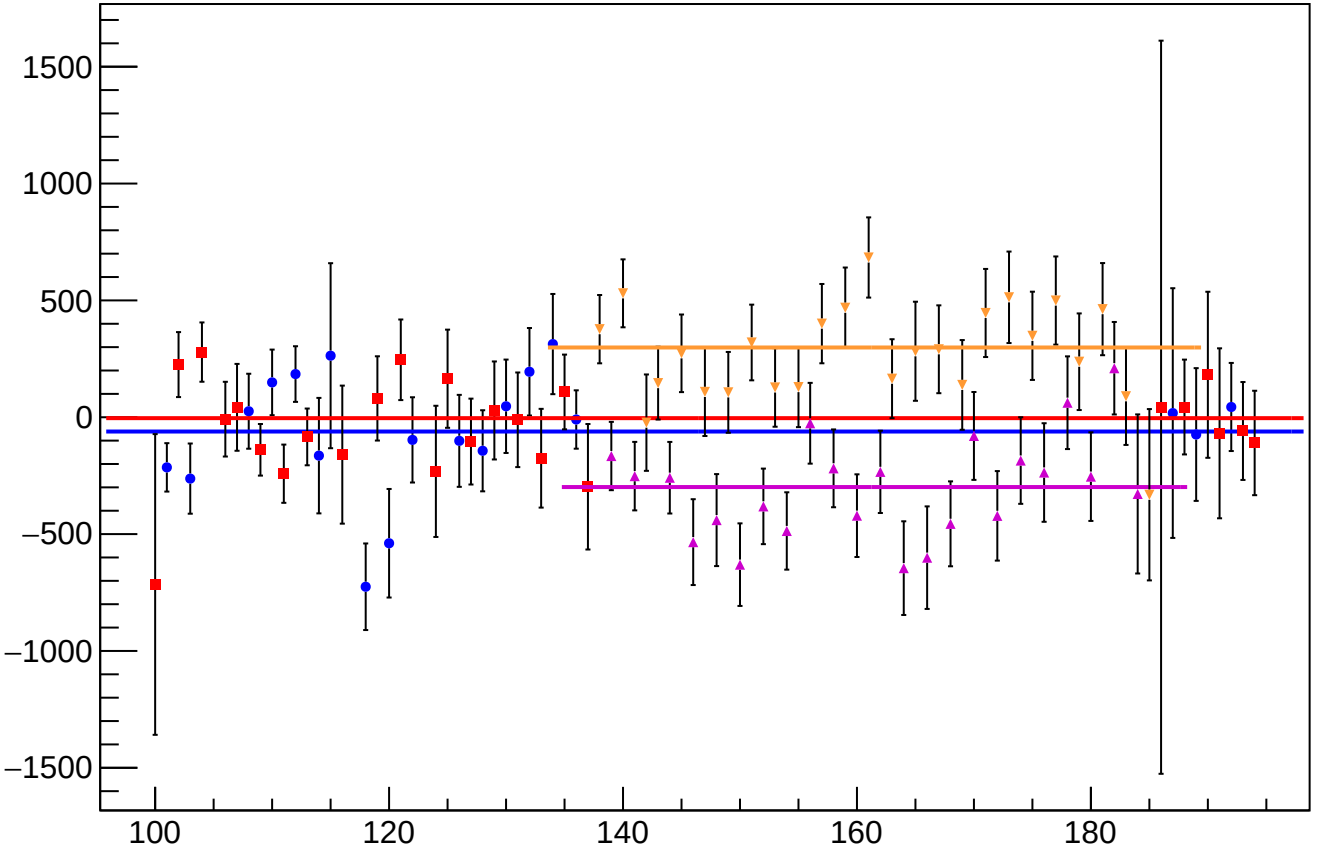
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 3459706.7/43

All: 0.000+/-0.000 χ^2/NDF: 9957253.3/91

- sign 0.000+/-0.000 χ^2/NDF: 6496017.8/47

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: -3.863+/-36.637 χ^2/NDF: 21.8/24

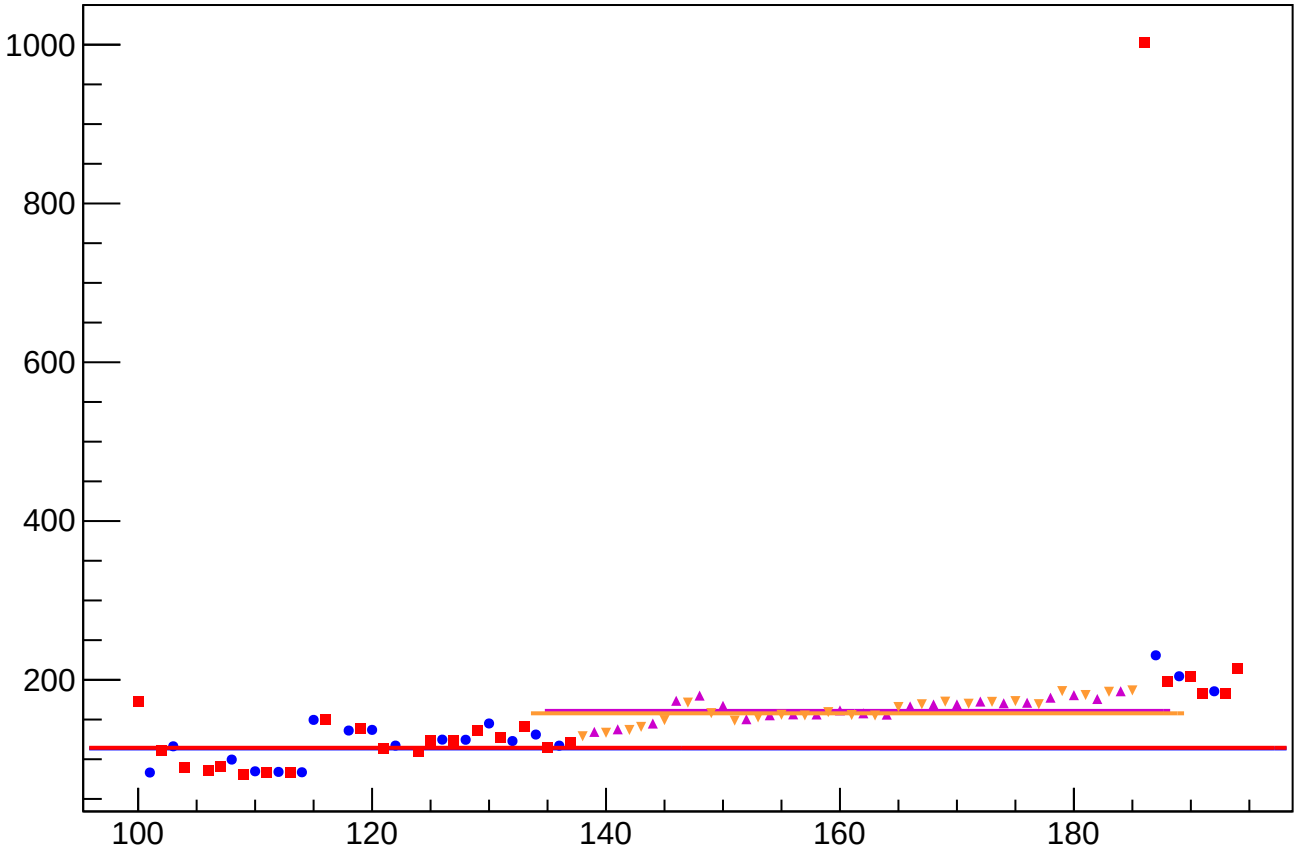
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 135.125+/-26.629 χ^2/NDF: 105.9/43

All: -7.758+/-18.706 χ^2/NDF: 245.4/91

- sign -146.950+/-26.283 χ^2/NDF: 82.6/47

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: 114.424+/-0.026 χ^2/NDF: 2571900.3/24

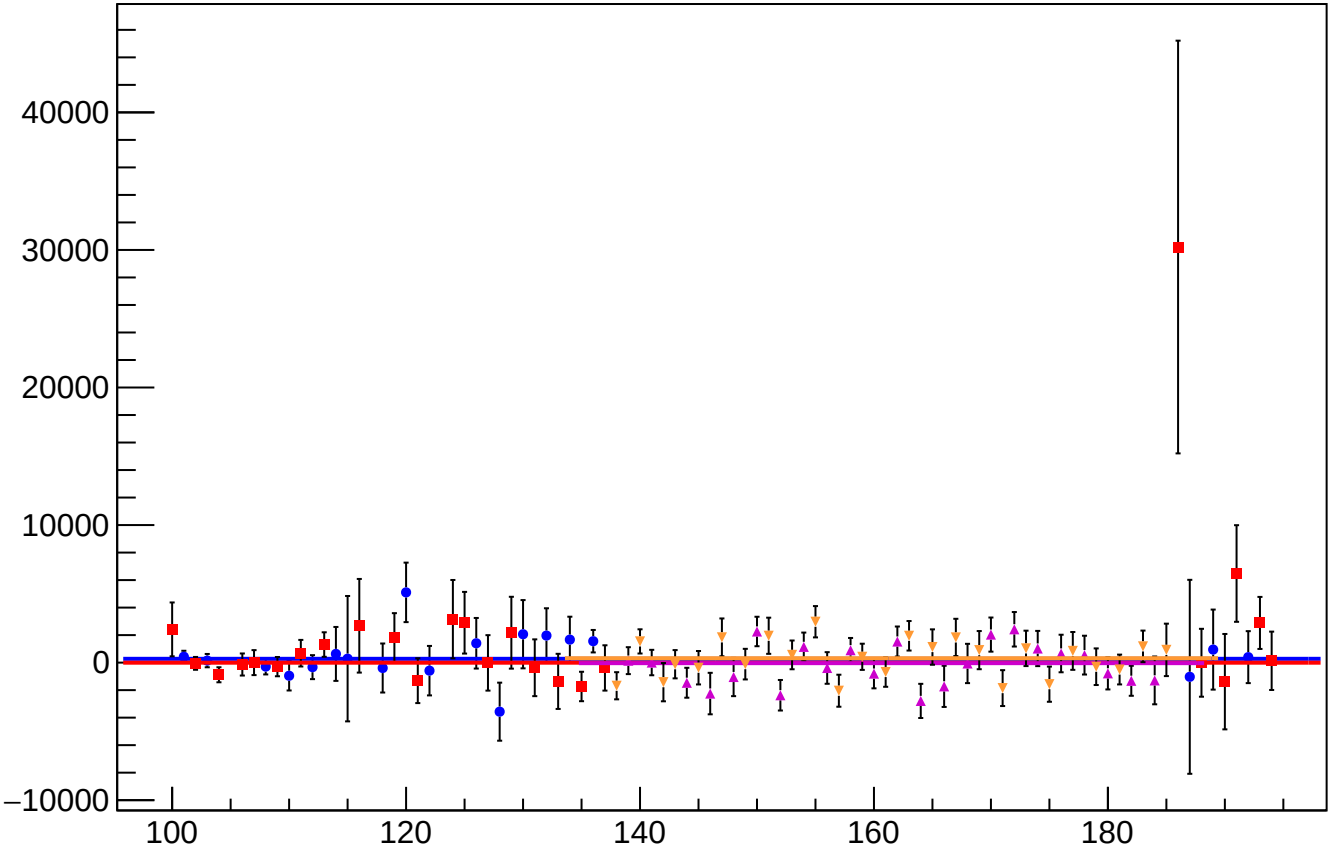
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 137.744+/-0.019 χ^2/NDF: 2912724.1/43

All: 137.351+/-0.013 χ^2/NDF: 7314127.8/91

- sign 136.969+/-0.019 χ^2/NDF: 4400546.3/47

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: -5.555+/-227.102 χ^2/NDF: 26.1/24

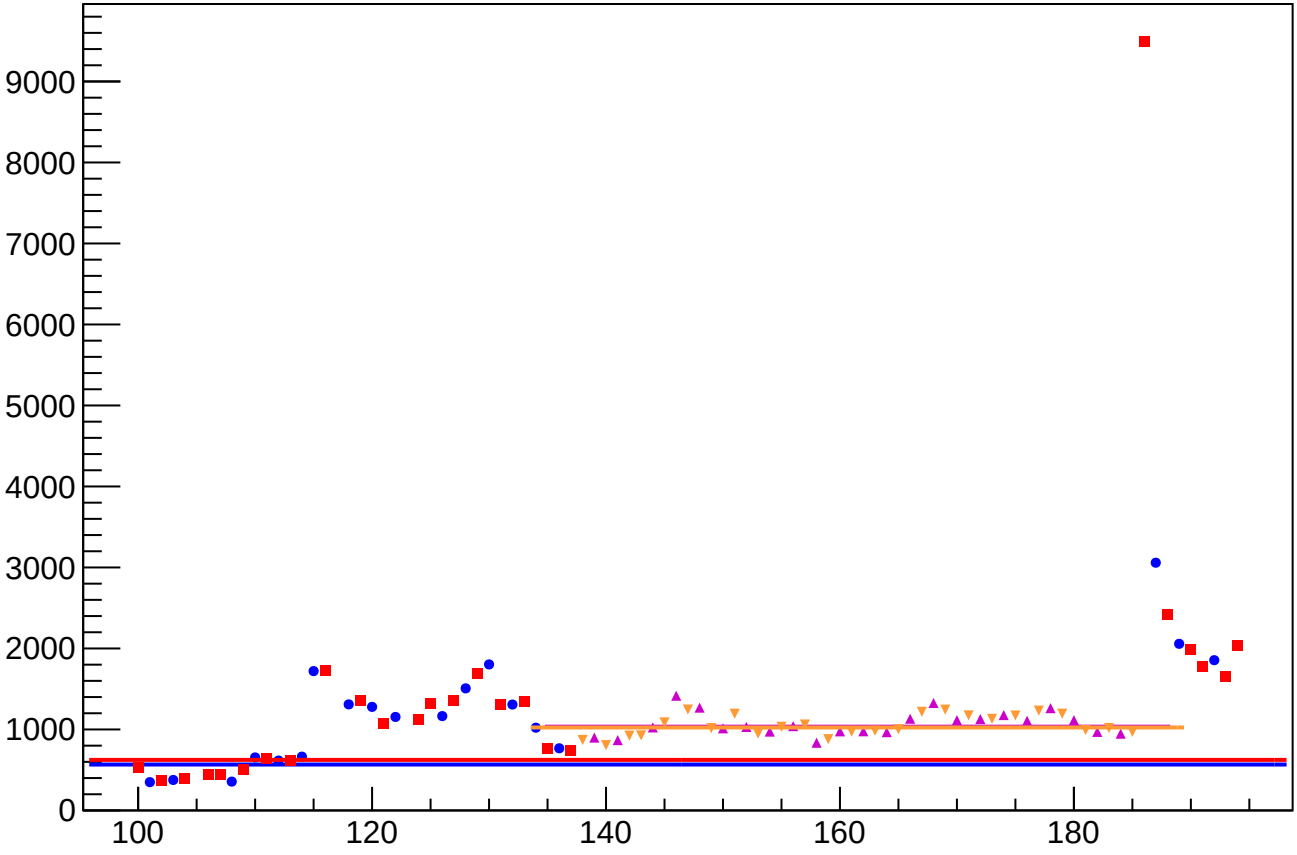
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 297.388+/-163.718 χ^2/NDF: 49.1/43

All: 140.595+/-116.664 χ^2/NDF: 111.8/91

- sign -21.160+/-166.288 χ^2/NDF: 60.9/47

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

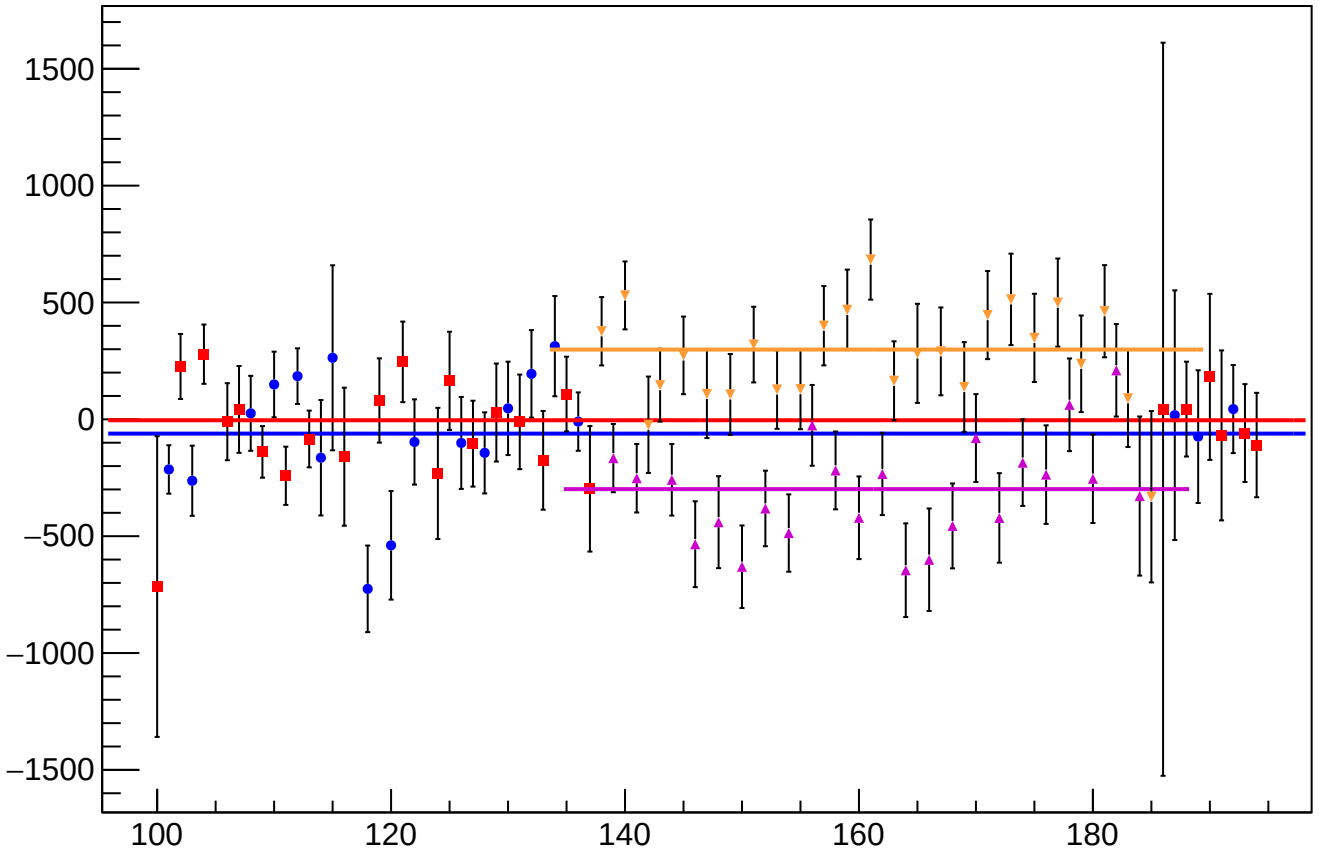
Right Out: 624.372+/-0.161 χ^2/NDF: 7004470.8/24

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 788.850+/-0.116 χ^2/NDF: 9873790.0/43

All: 801.515+/-0.082 χ^2/NDF: 20555587.1/91

- sign 814.580+/-0.118 χ^2/NDF: 10657481.9/47



Right In: -61.105+/-39.505 χ^2/NDF: 34.8/18

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -3.908+/-36.696 χ^2/NDF: 21.8/24

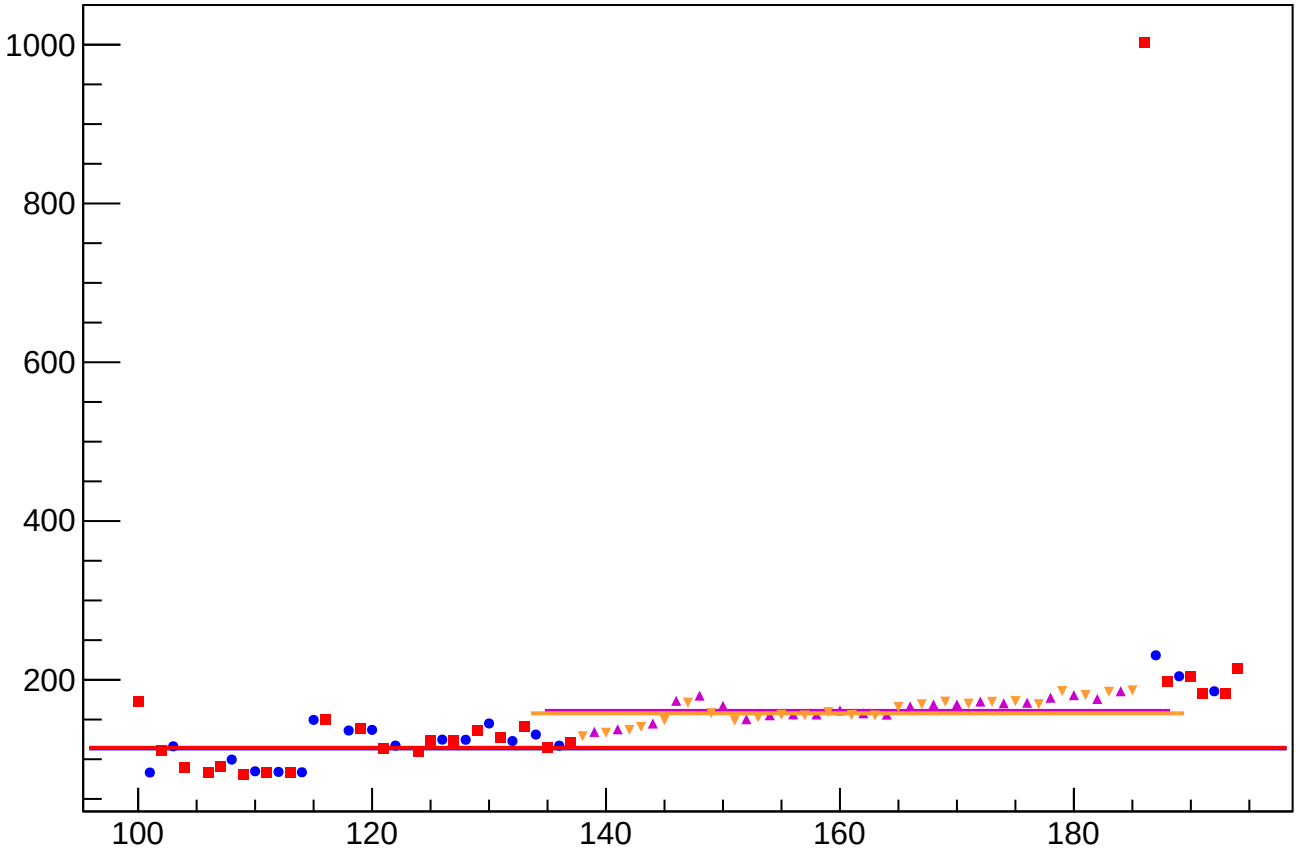
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 135.115+/-26.629 χ^2/NDF: 105.9/43

All: -7.780+/-18.714 χ^2/NDF: 245.4/91

- sign -147.213+/-26.305 χ^2/NDF: 82.6/47

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: 114.360+/-0.026 χ^2/NDF: 2581967.3/24

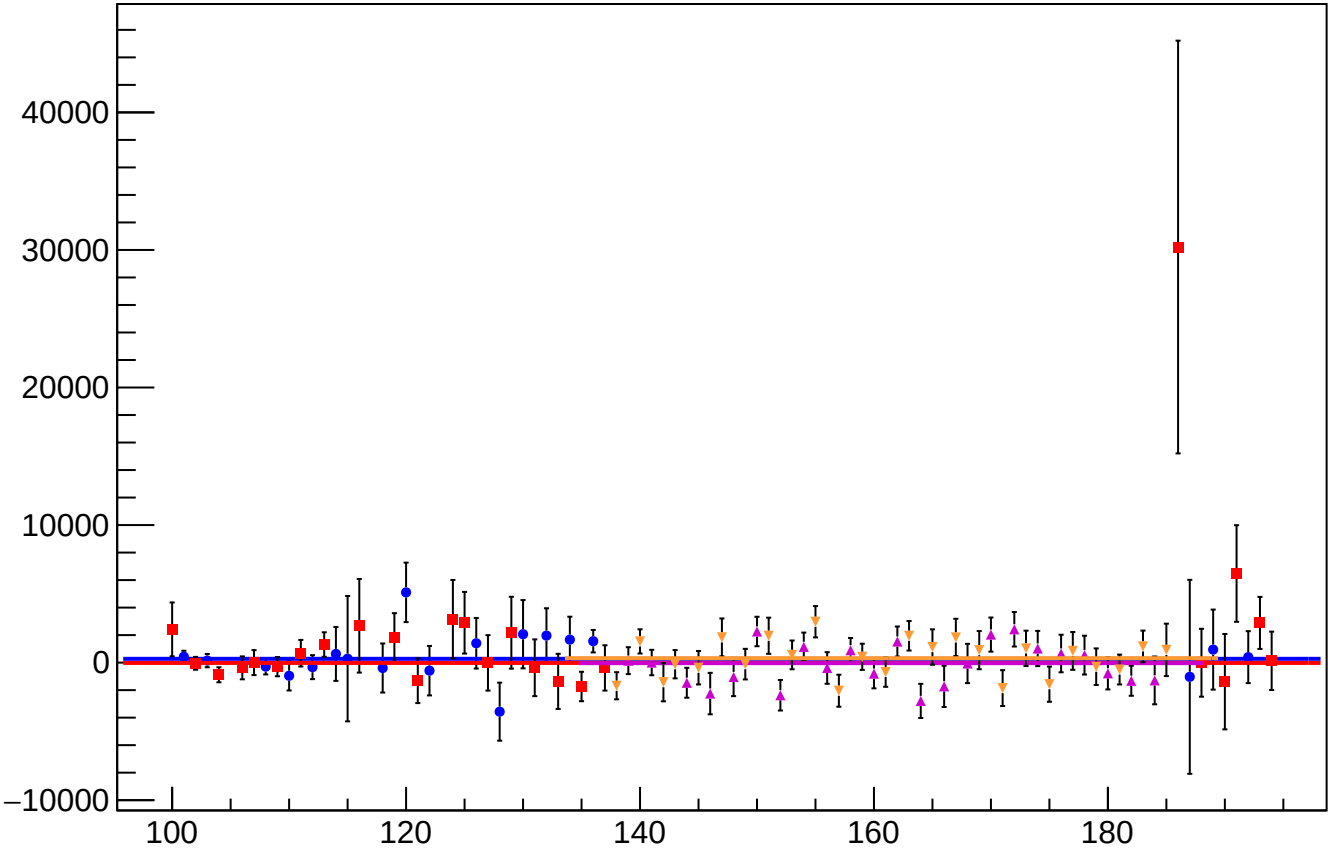
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 137.744+/-0.019 χ^2/NDF: 2912720.8/43

All: 137.353+/-0.013 χ^2/NDF: 7326094.3/91

- sign 136.973+/-0.019 χ^2/NDF: 4412525.4/47

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: -22.152+/-227.689 χ^2/NDF: 26.3/24

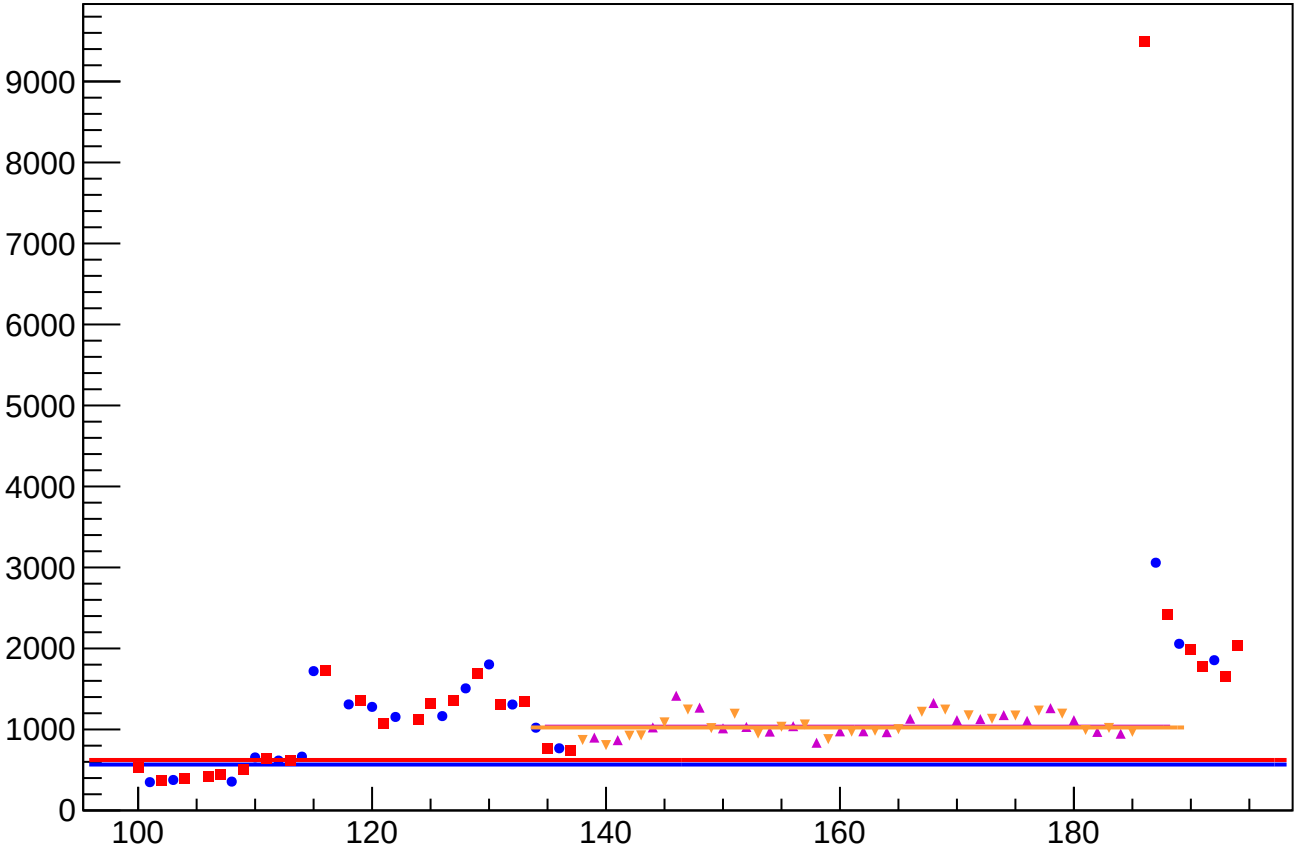
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 297.461+/-163.715 χ^2/NDF: 49.1/43

All: 136.469+/-116.742 χ^2/NDF: 112.1/91

- sign -30.081+/-166.518 χ^2/NDF: 61.0/47

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: 623.183+/-0.161 χ^2/NDF: 7030635.9/24

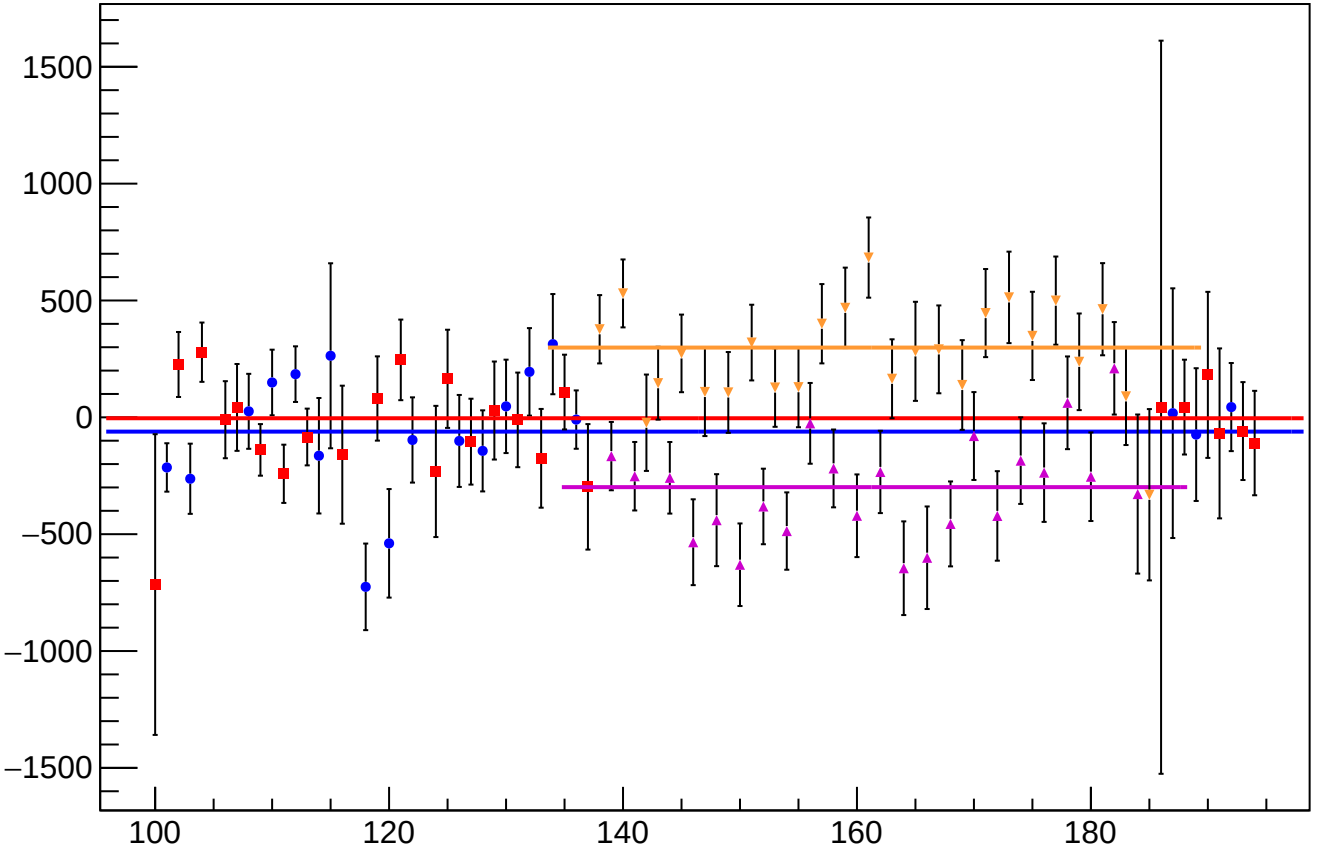
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 788.831+/-0.116 χ^2/NDF: 9874552.3/43

All: 801.433+/-0.083 χ^2/NDF: 20592591.2/91

- sign 814.471+/-0.118 χ^2/NDF: 10693928.7/47

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: -3.908+/-36.696 χ^2/NDF: 21.8/24

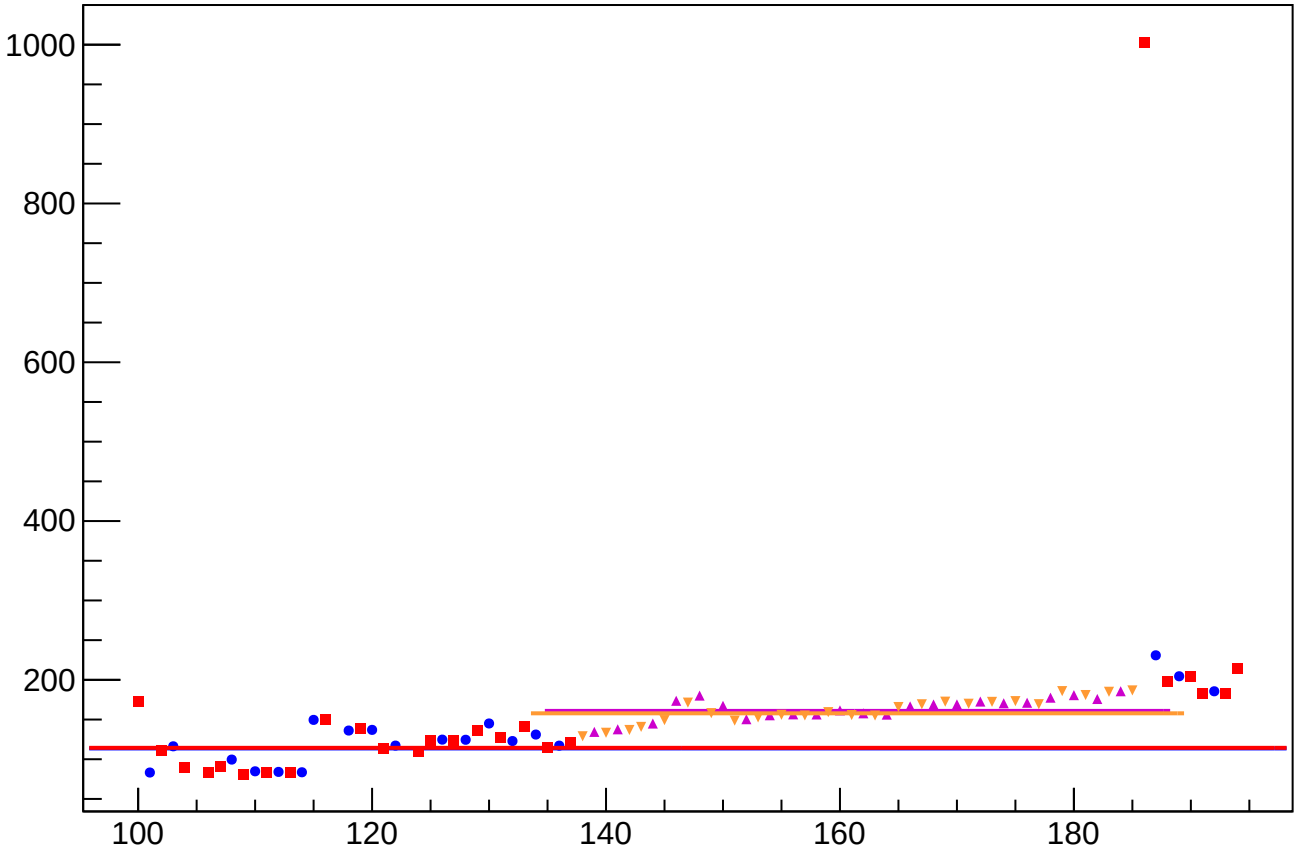
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 135.115+/-26.629 χ^2/NDF: 105.9/43

All: -7.780+/-18.714 χ^2/NDF: 245.4/91

- sign -147.213+/-26.305 χ^2/NDF: 82.6/47

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: 114.360+/-0.026 χ^2/NDF: 2581967.3/24

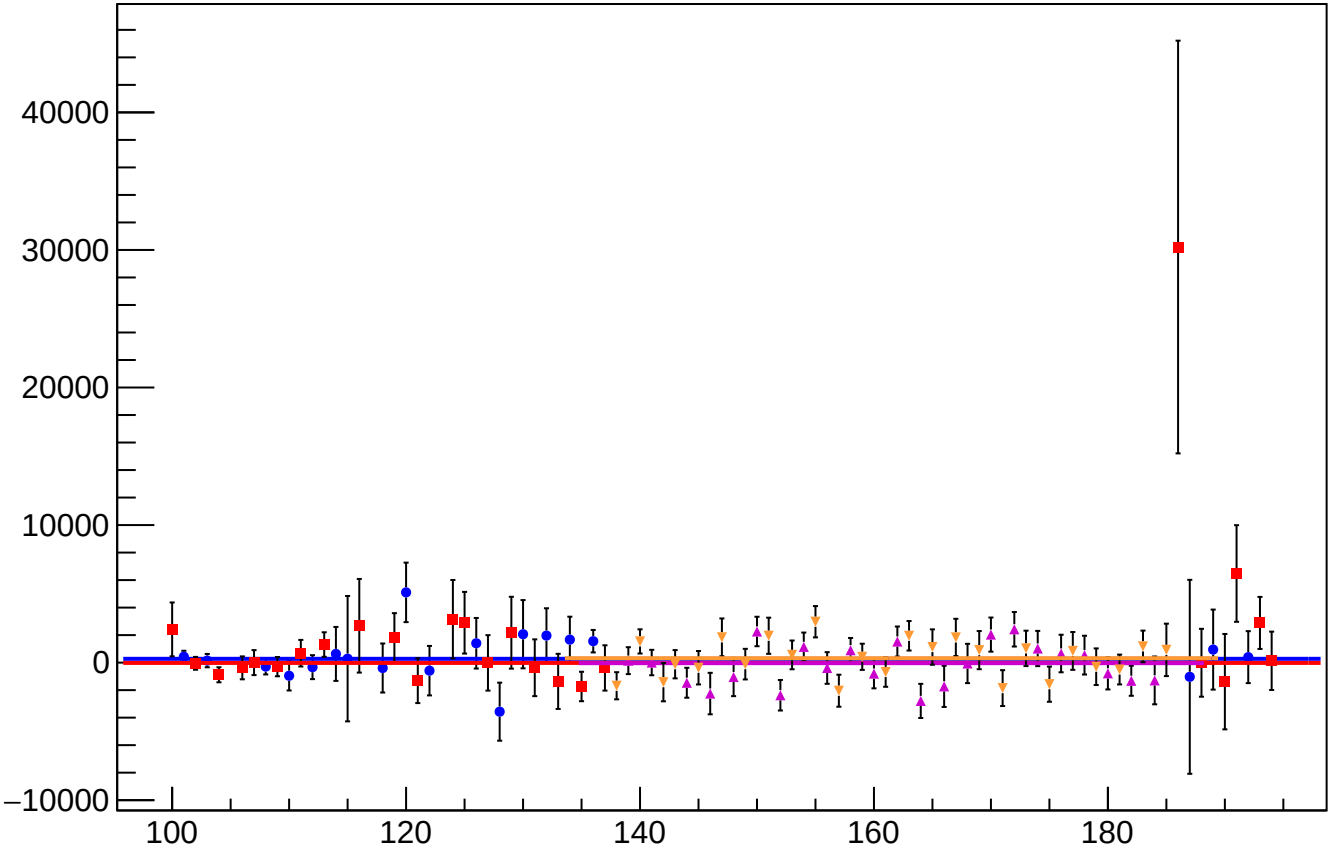
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 137.744+/-0.019 χ^2/NDF: 2912720.8/43

All: 137.353+/-0.013 χ^2/NDF: 7326094.3/91

- sign 136.973+/-0.019 χ^2/NDF: 4412525.4/47

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: -22.152+/-227.689 χ^2/NDF: 26.3/24

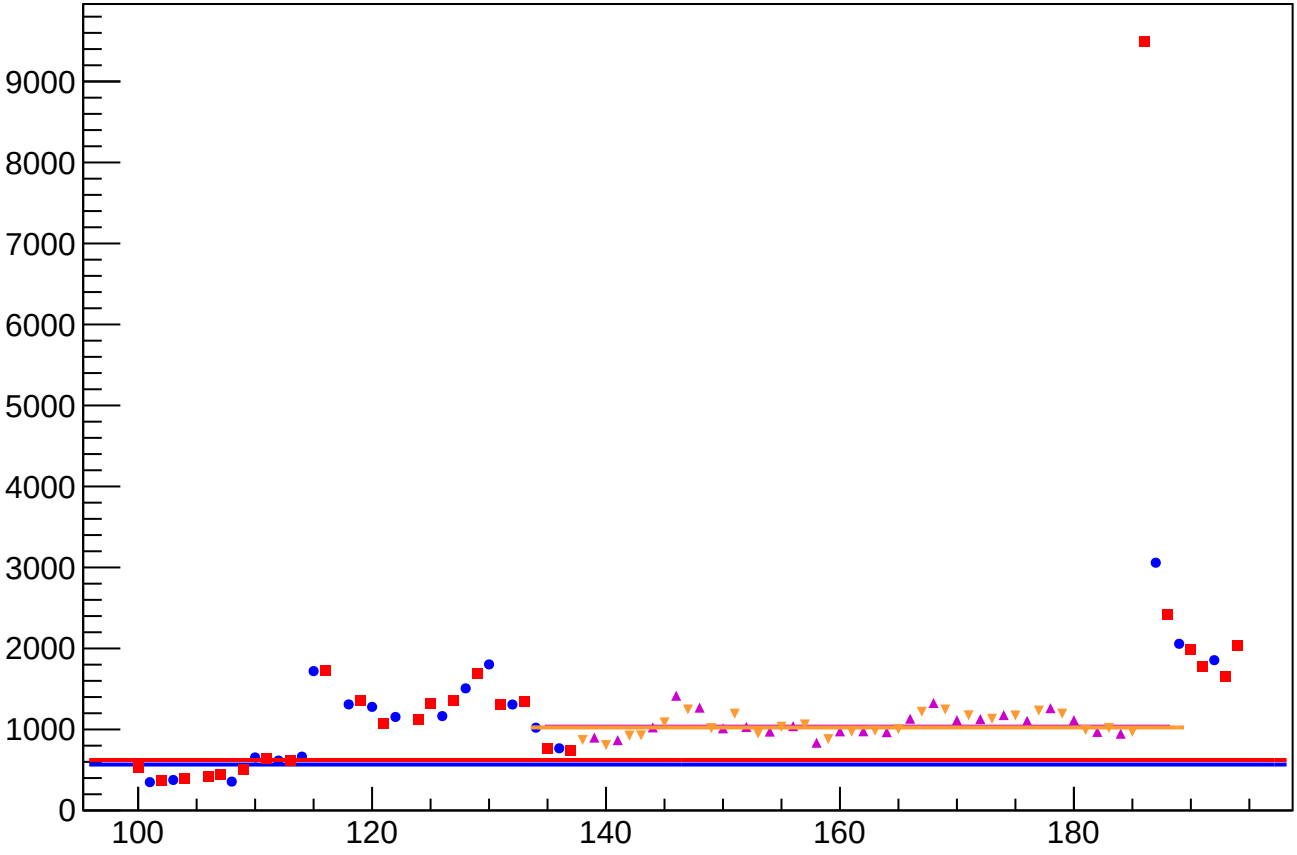
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 297.461+/-163.715 χ^2/NDF: 49.1/43

All: 136.469+/-116.742 χ^2/NDF: 112.1/91

- sign -30.081+/-166.518 χ^2/NDF: 61.0/47

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: 623.183+/-0.161 χ^2/NDF: 7030635.9/24

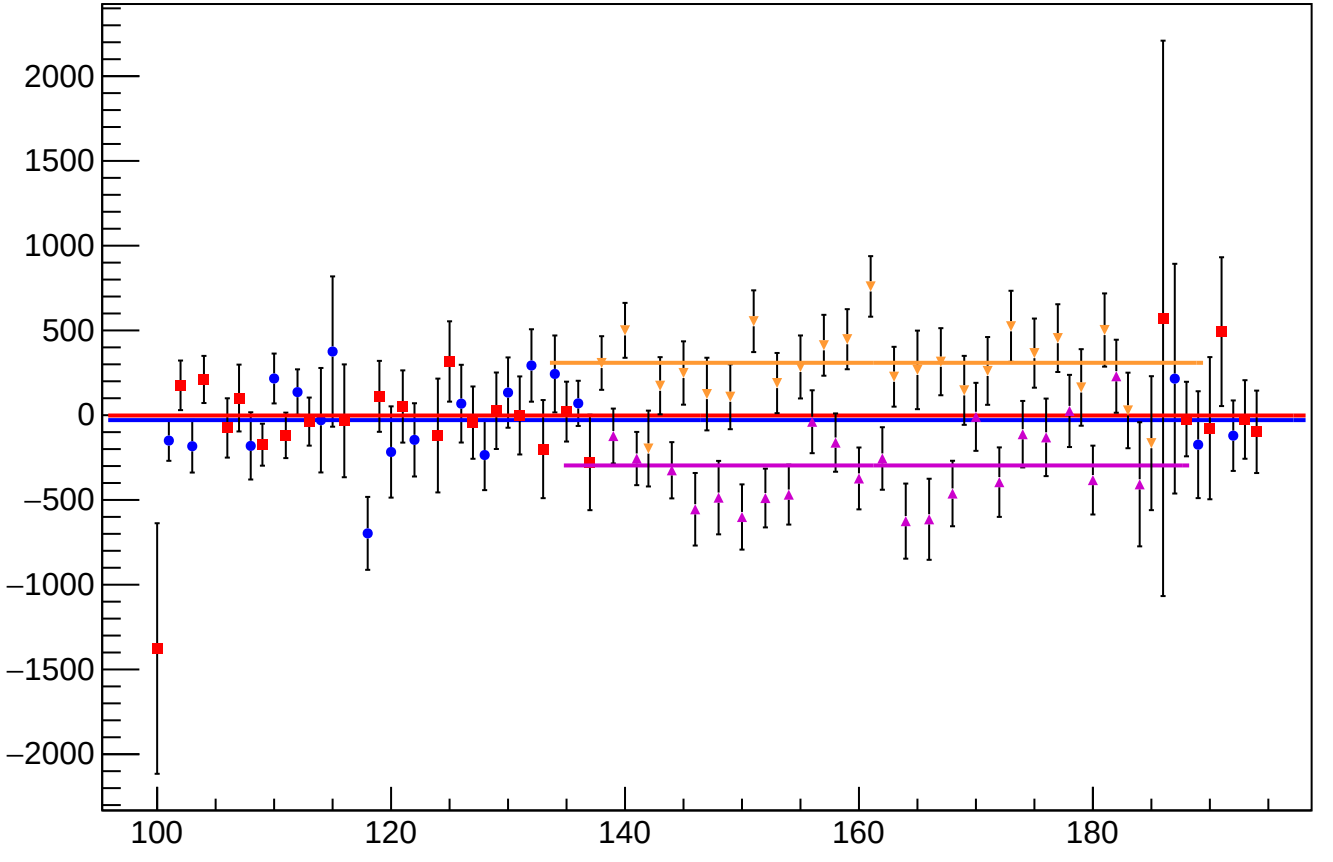
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 788.831+/-0.116 χ^2/NDF: 9874552.3/43

All: 801.433+/-0.083 χ^2/NDF: 20592591.2/91

- sign 814.471+/-0.118 χ^2/NDF: 10693928.7/47

dit_asym_sam6_mean vs Slug



Right In: -29.105+/-44.287 χ^2/NDF: 24.7/18

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -1.870+/-41.016 χ^2/NDF: 15.9/24

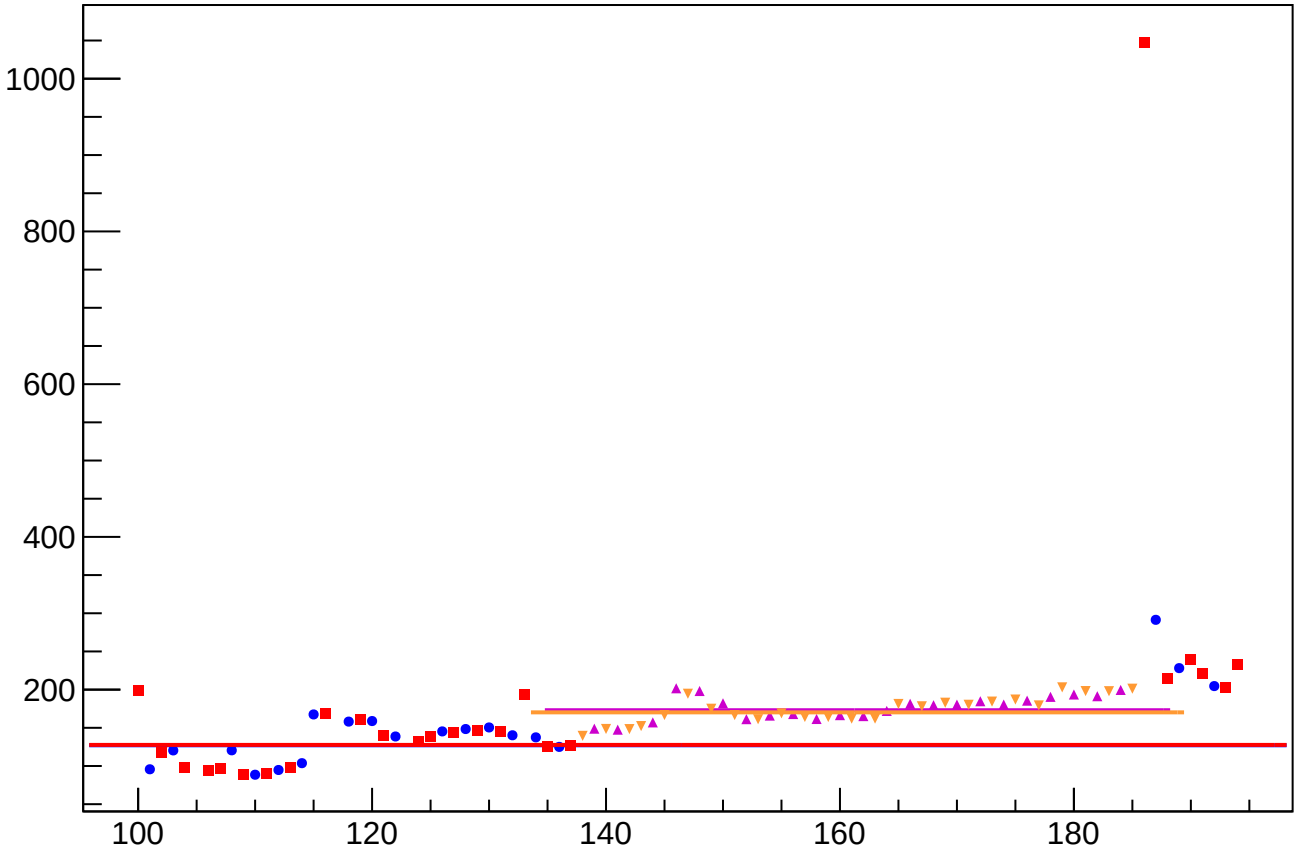
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 161.765+/-29.227 χ^2/NDF: 83.2/43

All: 3.563+/-20.534 χ^2/NDF: 210.8/91

- sign -150.661+/-28.857 χ^2/NDF: 69.8/47

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: 127.612+/-0.029 χ^2/NDF: 2693073.0/24

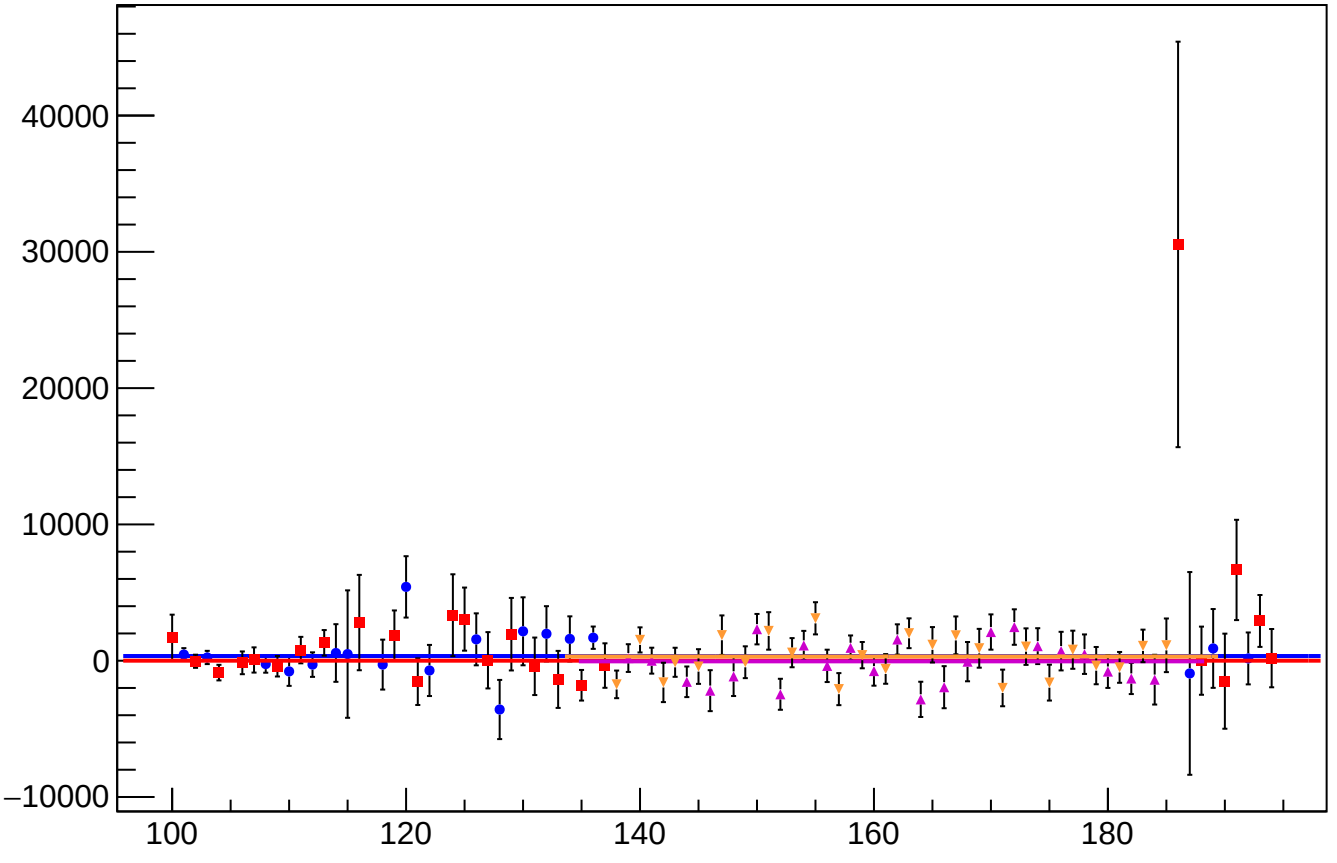
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 151.467+/-0.021 χ^2/NDF: 2609455.4/43

All: 151.000+/-0.015 χ^2/NDF: 6835370.8/91

- sign 150.546+/-0.020 χ^2/NDF: 4224908.7/47

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: 2.665+/-235.004 χ^2/NDF: 25.4/24

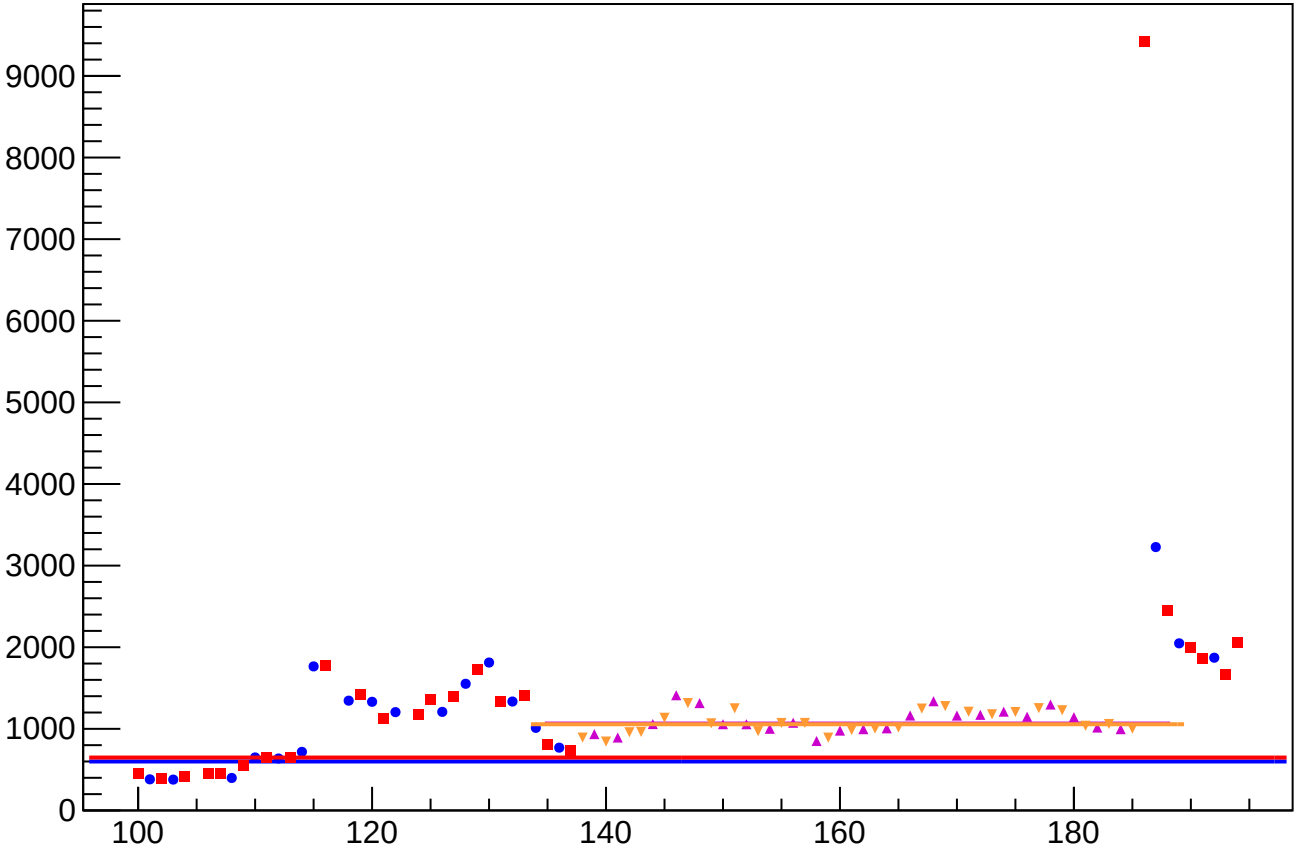
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 329.119+/-170.070 χ^2/NDF: 49.2/43

All: 155.848+/-120.805 χ^2/NDF: 111.1/91

- sign -20.618+/-171.630 χ^2/NDF: 59.8/47

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: 648.302+/-0.166 χ^2/NDF: 6930976.7/24

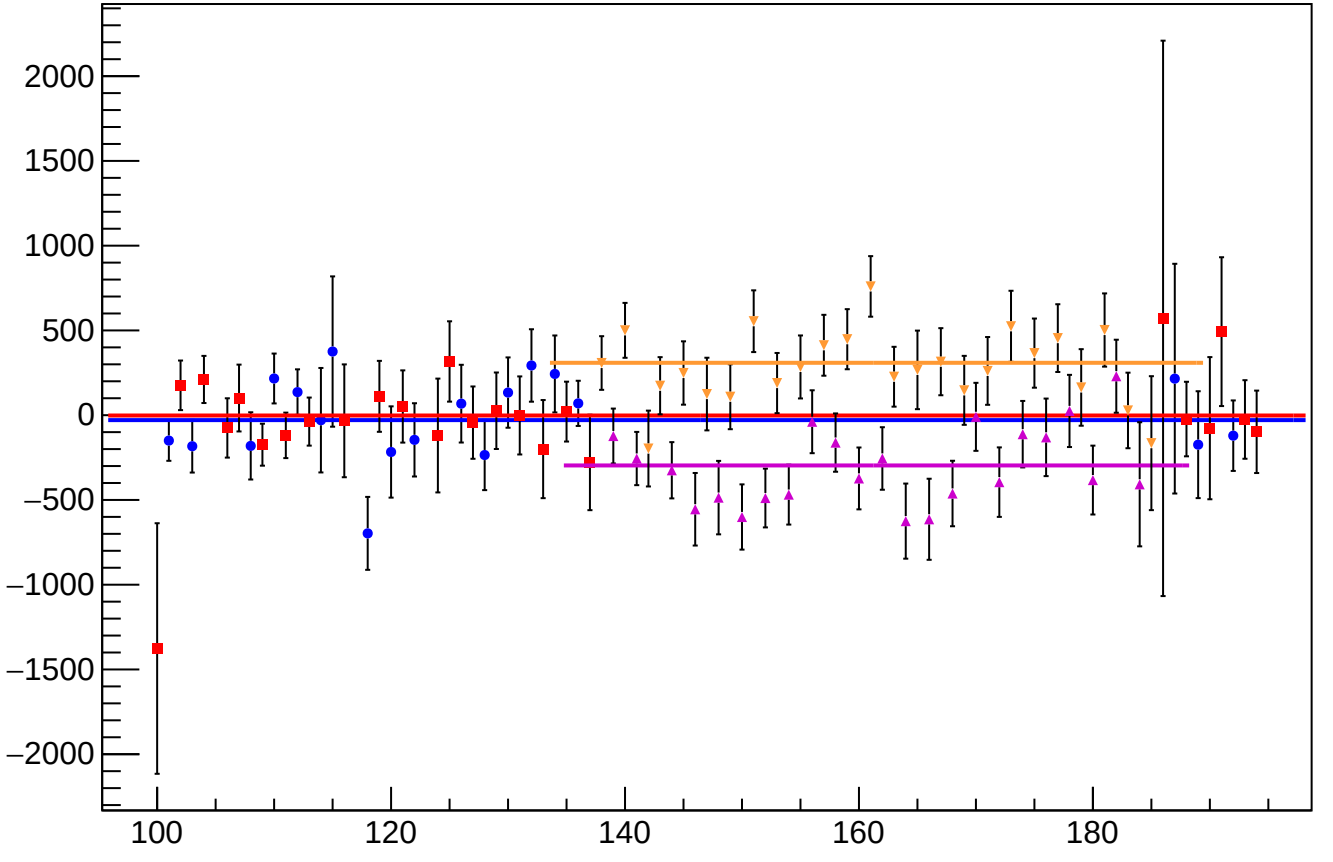
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 824.587+/-0.120 χ^2/NDF: 9323520.8/43

All: 833.511+/-0.085 χ^2/NDF: 19806513.3/91

- sign 842.599+/-0.121 χ^2/NDF: 10471877.6/47

eigen_dit_asym_sam6_mean vs Slug



Right In: -29.106+/-44.287 χ^2/NDF: 24.7/18

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -1.871+/-41.016 χ^2/NDF: 15.9/24

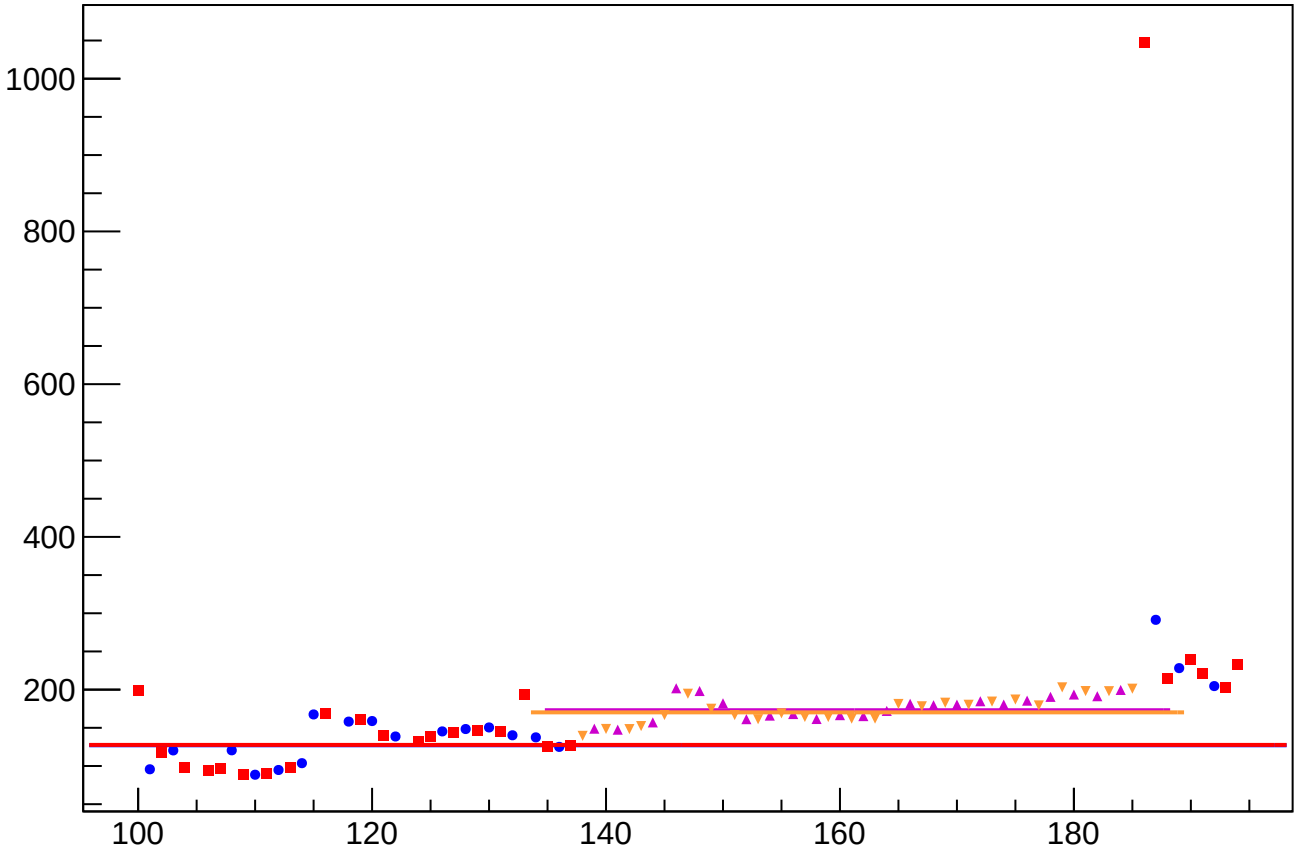
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 161.765+/-29.227 χ^2/NDF: 83.2/43

All: 3.563+/-20.534 χ^2/NDF: 210.8/91

- sign -150.662+/-28.857 χ^2/NDF: 69.8/47

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: 127.611+/-0.029 χ^2/NDF: 2693070.9/24

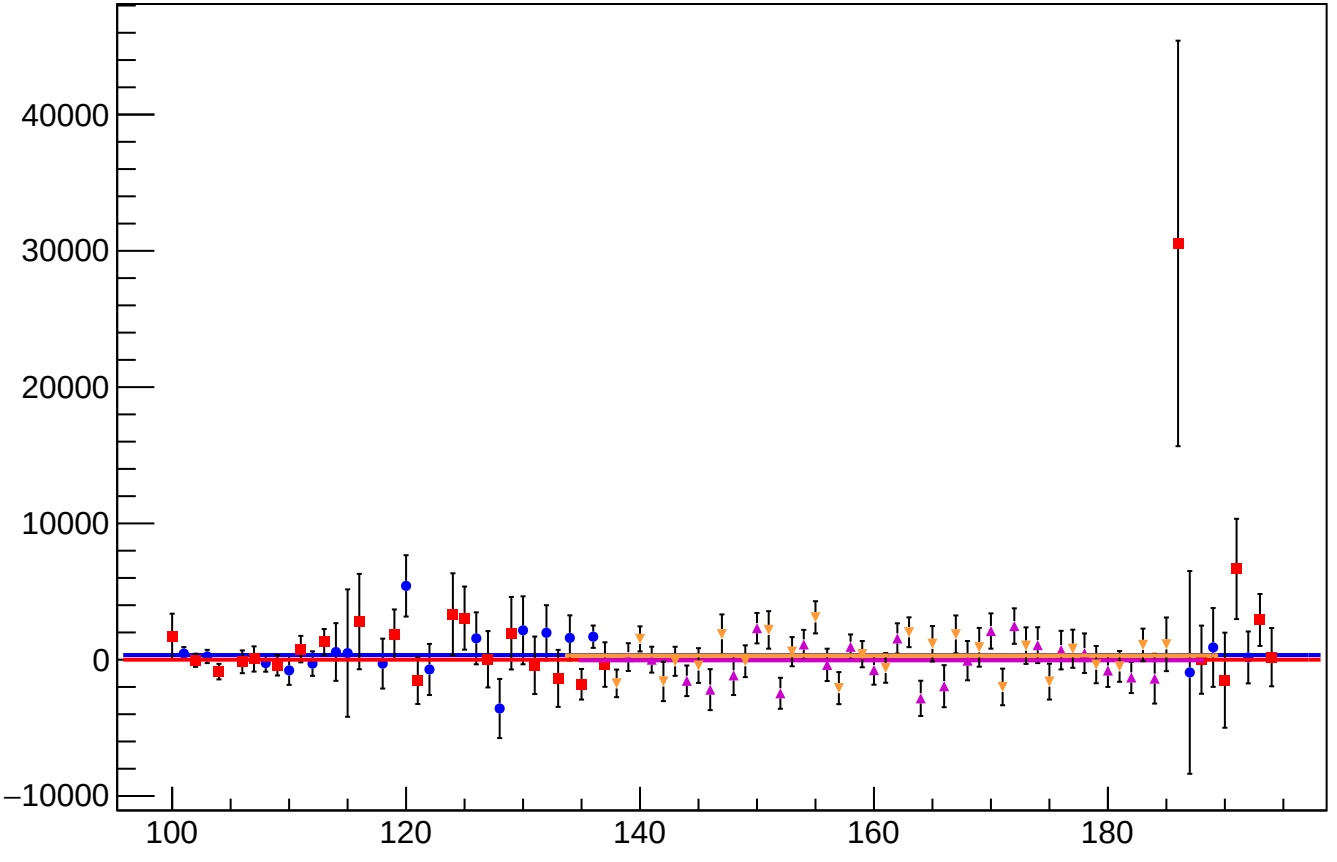
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 151.467+/-0.021 χ^2/NDF: 2609468.7/43

All: 151.000+/-0.015 χ^2/NDF: 6835388.2/91

- sign 150.545+/-0.020 χ^2/NDF: 4224912.8/47

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: 2.664+/-235.004 χ^2/NDF: 25.4/24

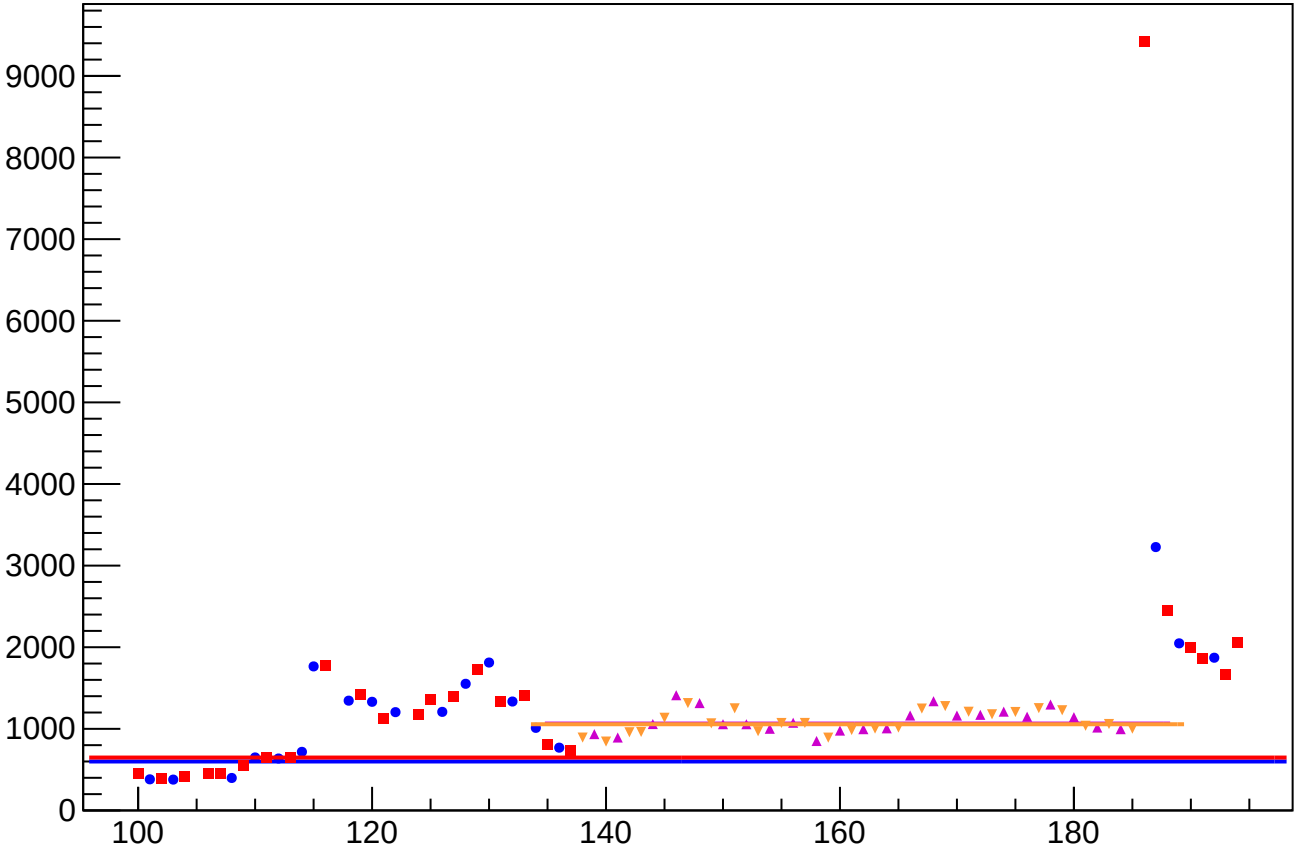
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 329.119+/-170.070 χ^2/NDF: 49.2/43

All: 155.847+/-120.805 χ^2/NDF: 111.1/91

- sign -20.618+/-171.630 χ^2/NDF: 59.8/47

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: 648.301+/-0.166 χ^2/NDF: 6930979.0/24

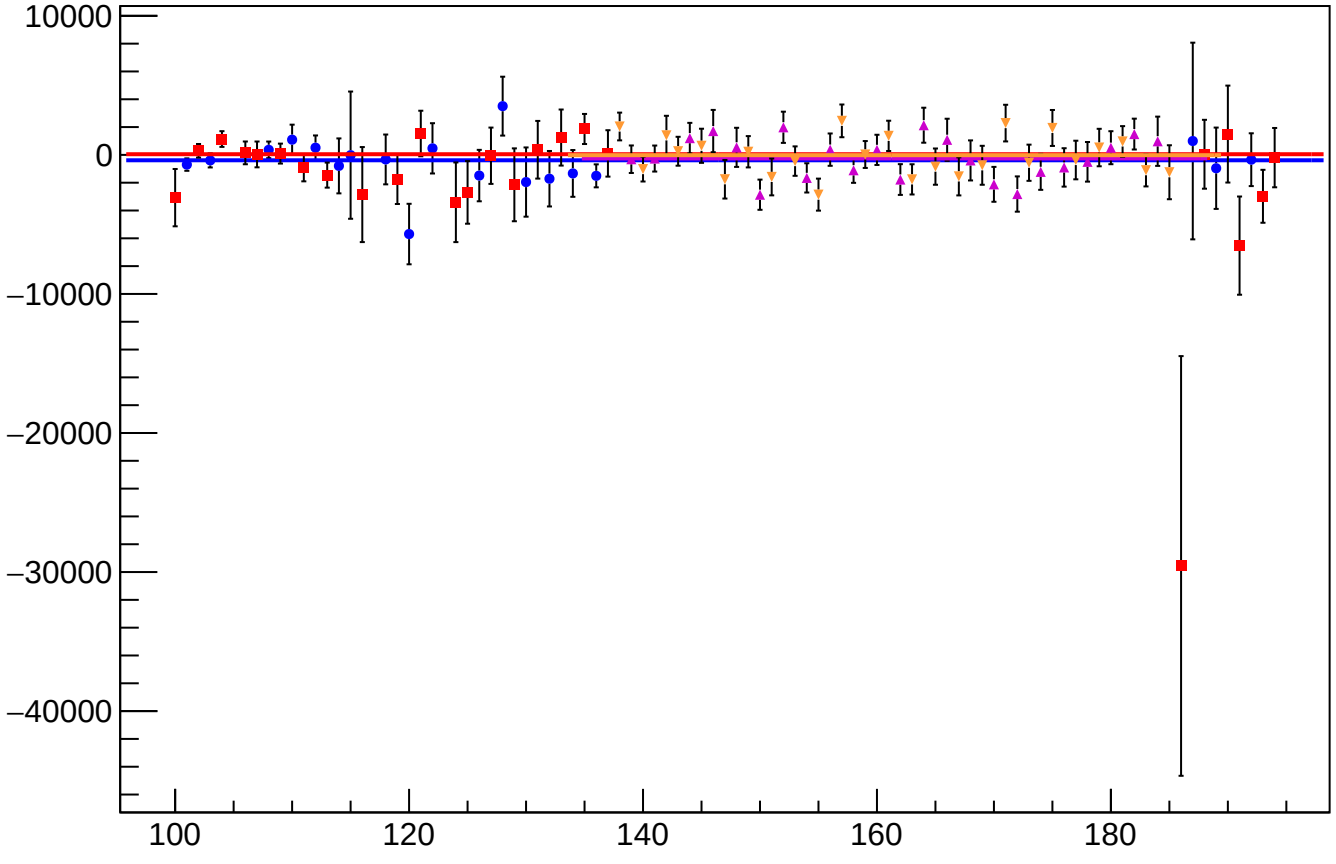
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 824.586+/-0.120 χ^2/NDF: 9323550.3/43

All: 833.510+/-0.085 χ^2/NDF: 19806558.6/91

- sign 842.599+/-0.121 χ^2/NDF: 10471893.2/47

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: 47.576+/-232.846 χ^2/NDF: 29.5/24

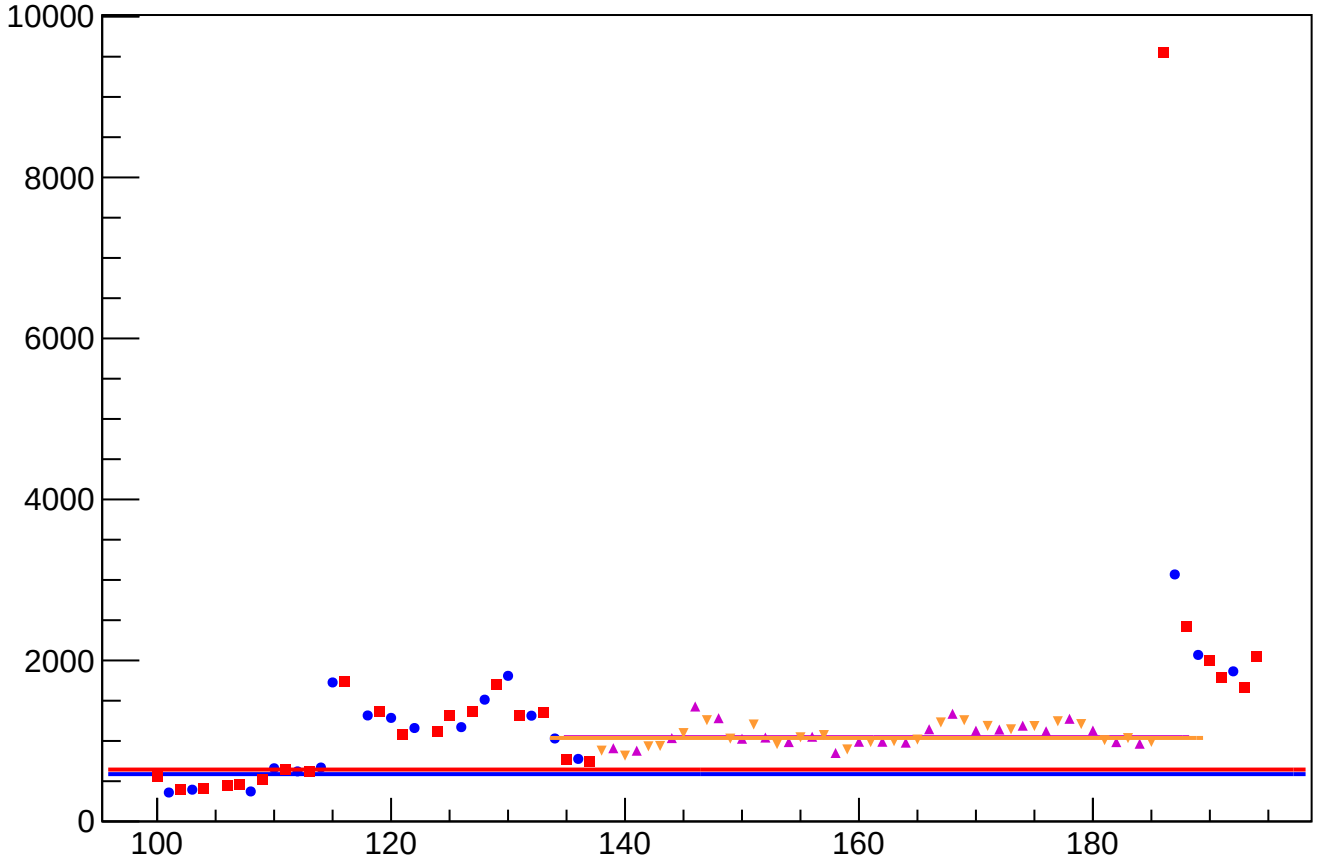
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -207.425+/-167.137 χ^2/NDF: 53.7/43

All: -151.930+/-119.009 χ^2/NDF: 117.8/91

- sign -94.859+/-169.495 χ^2/NDF: 63.9/47

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

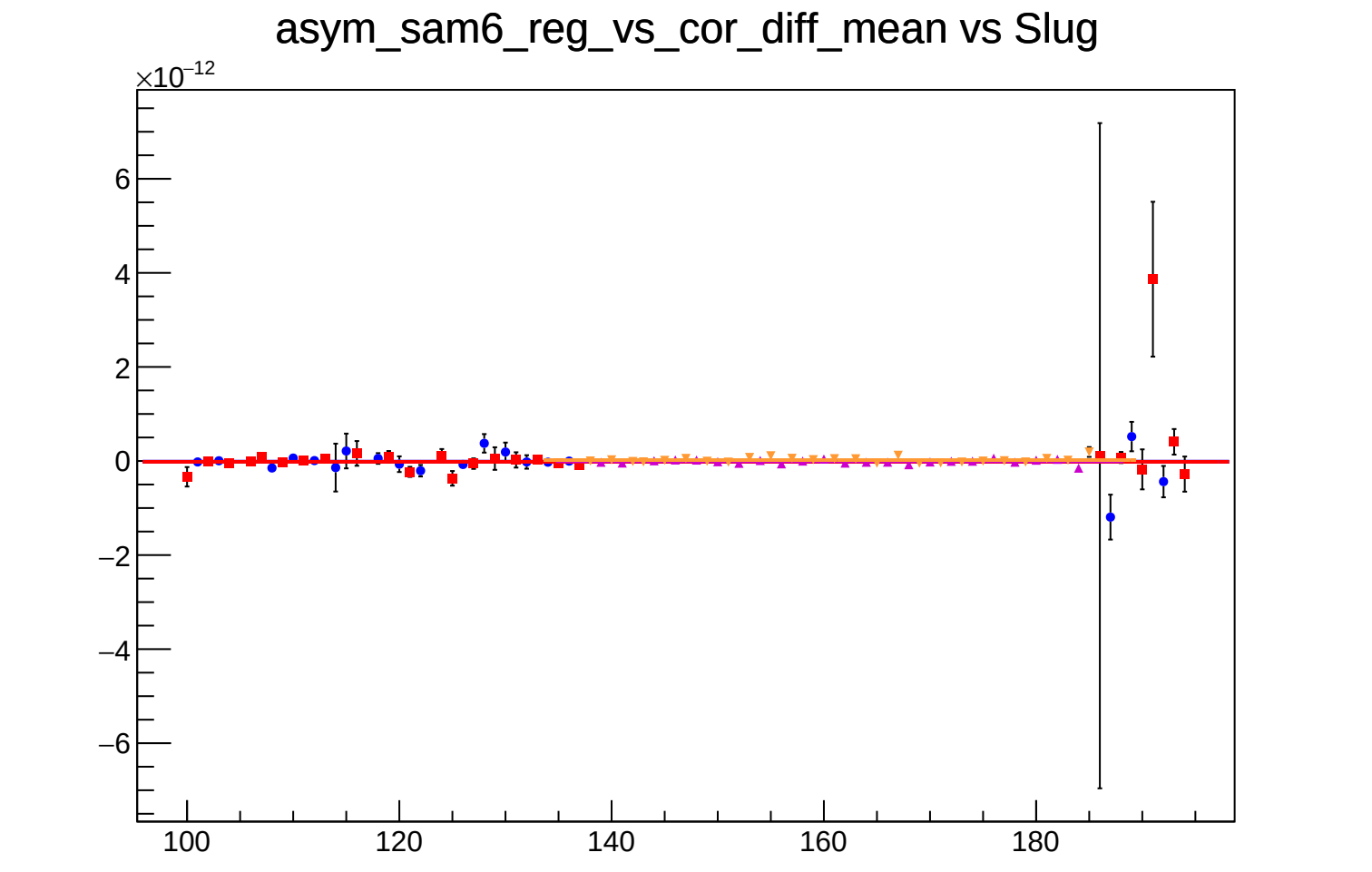
Right Out: 644.665+/-0.165 χ^2/NDF: 6803103.7/24

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 809.565+/-0.118 χ^2/NDF: 9384573.9/43

All: 821.664+/-0.084 χ^2/NDF: 19638301.3/91

- sign 834.107+/-0.120 χ^2/NDF: 10232468.9/47



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

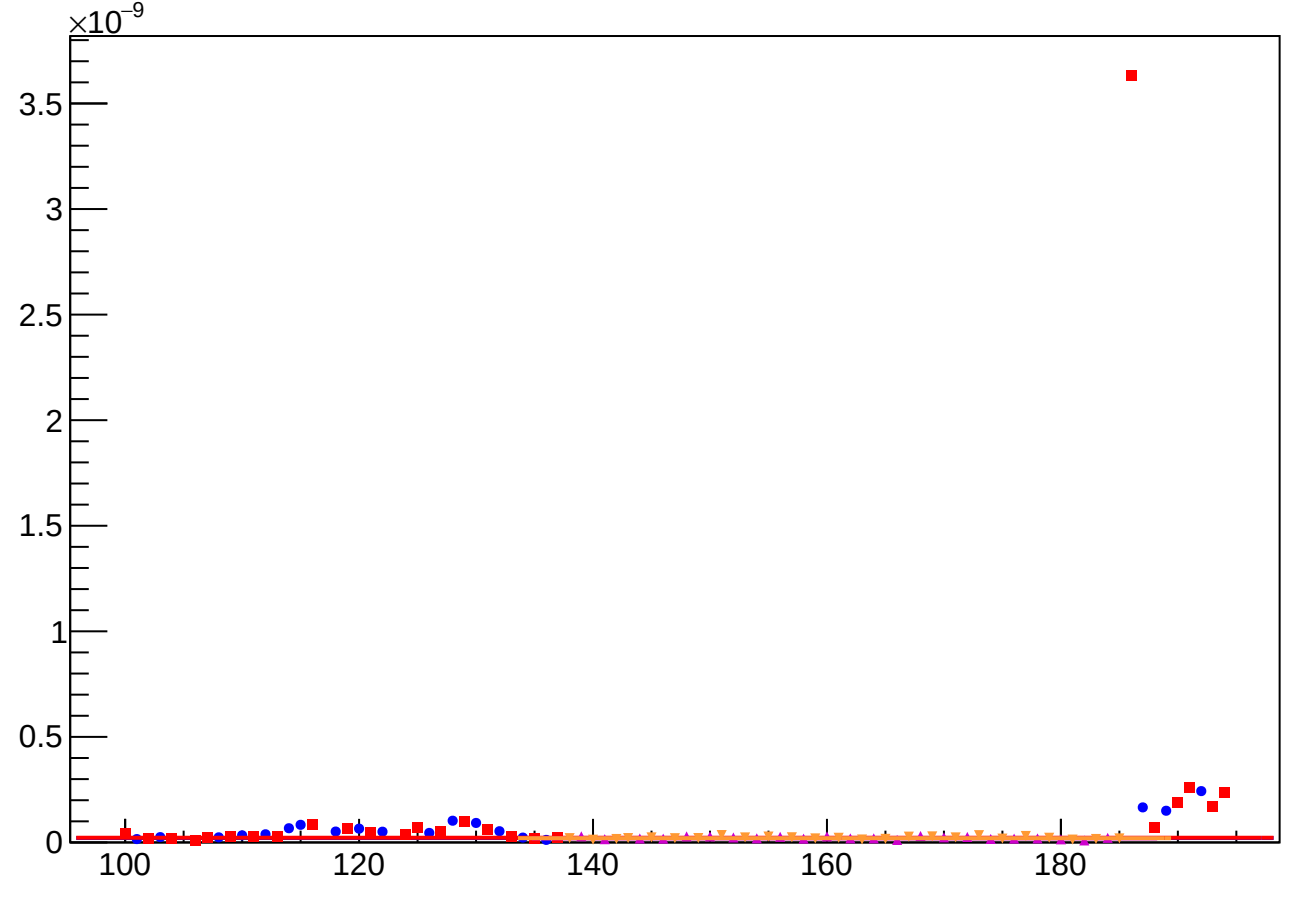
Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/24

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: 114.0/91

- sign -0.000+/-0.000 χ^2/NDF: 48.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 3425761.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4328410.4/24

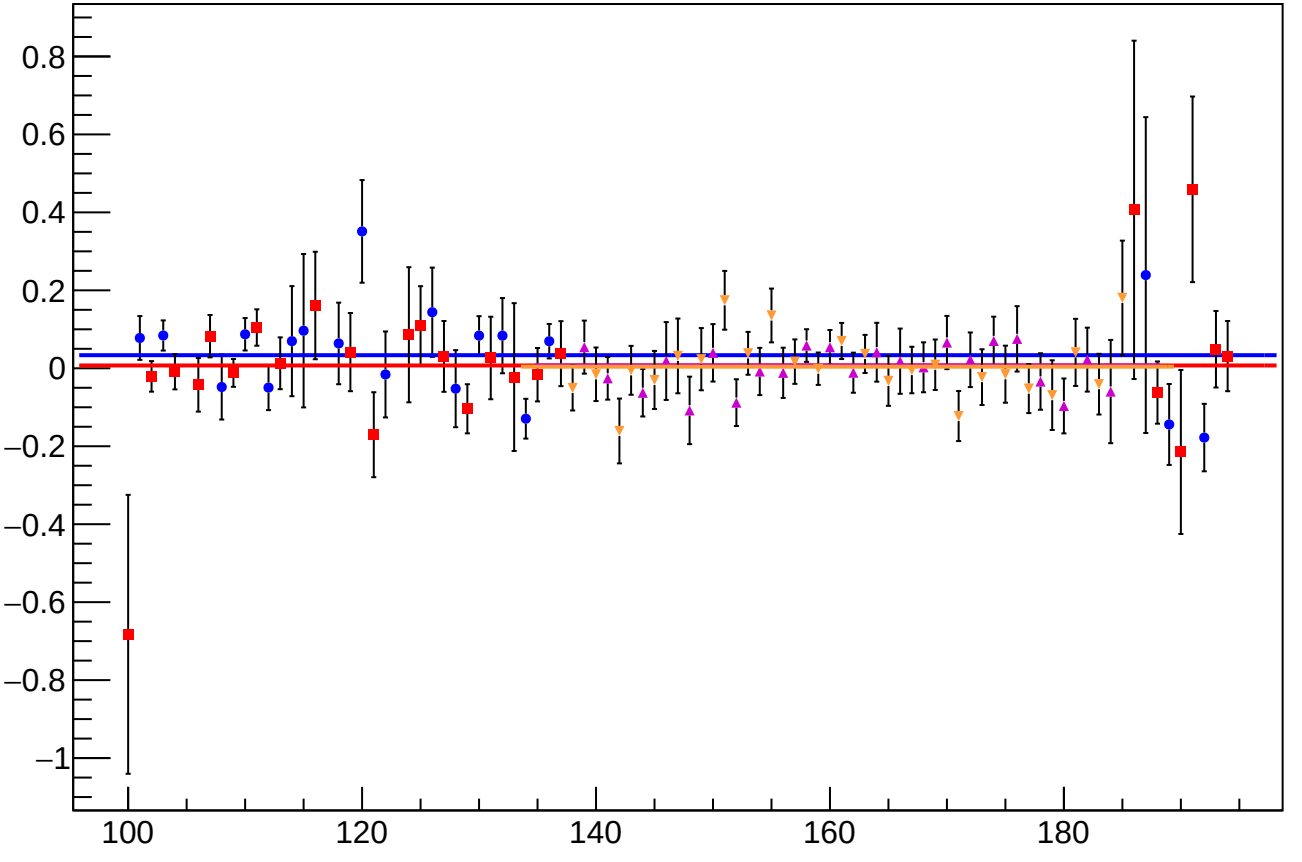
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4424164.8/43

All: 0.000+/-0.000 χ^2/NDF: 9883879.2/91

- sign 0.000+/-0.000 χ^2/NDF: 5456010.4/47

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+/-0.014 χ^2/NDF: 26.7/24

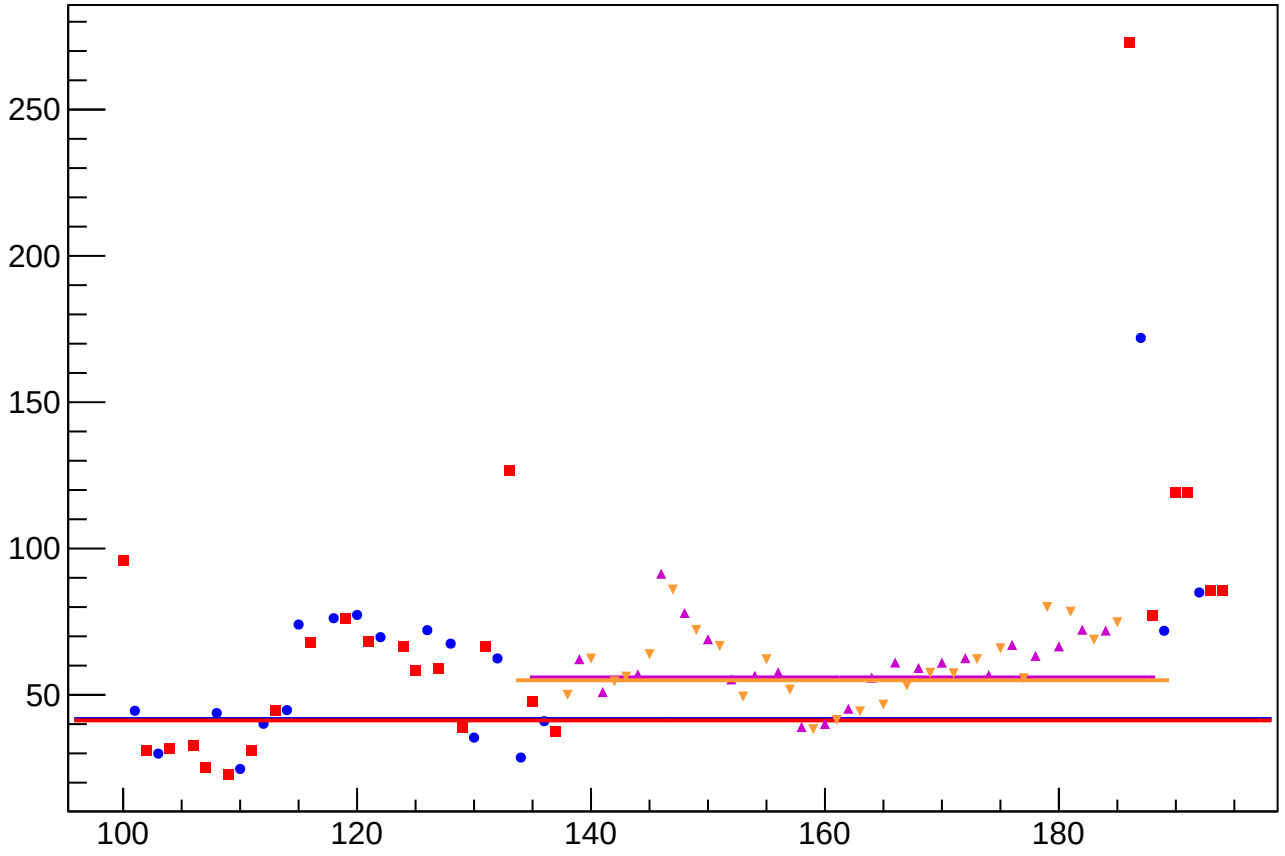
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/43

All: 0.012+/-0.007 χ^2/NDF: 105.4/91

- sign 0.007+/-0.010 χ^2/NDF: 41.8/47

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

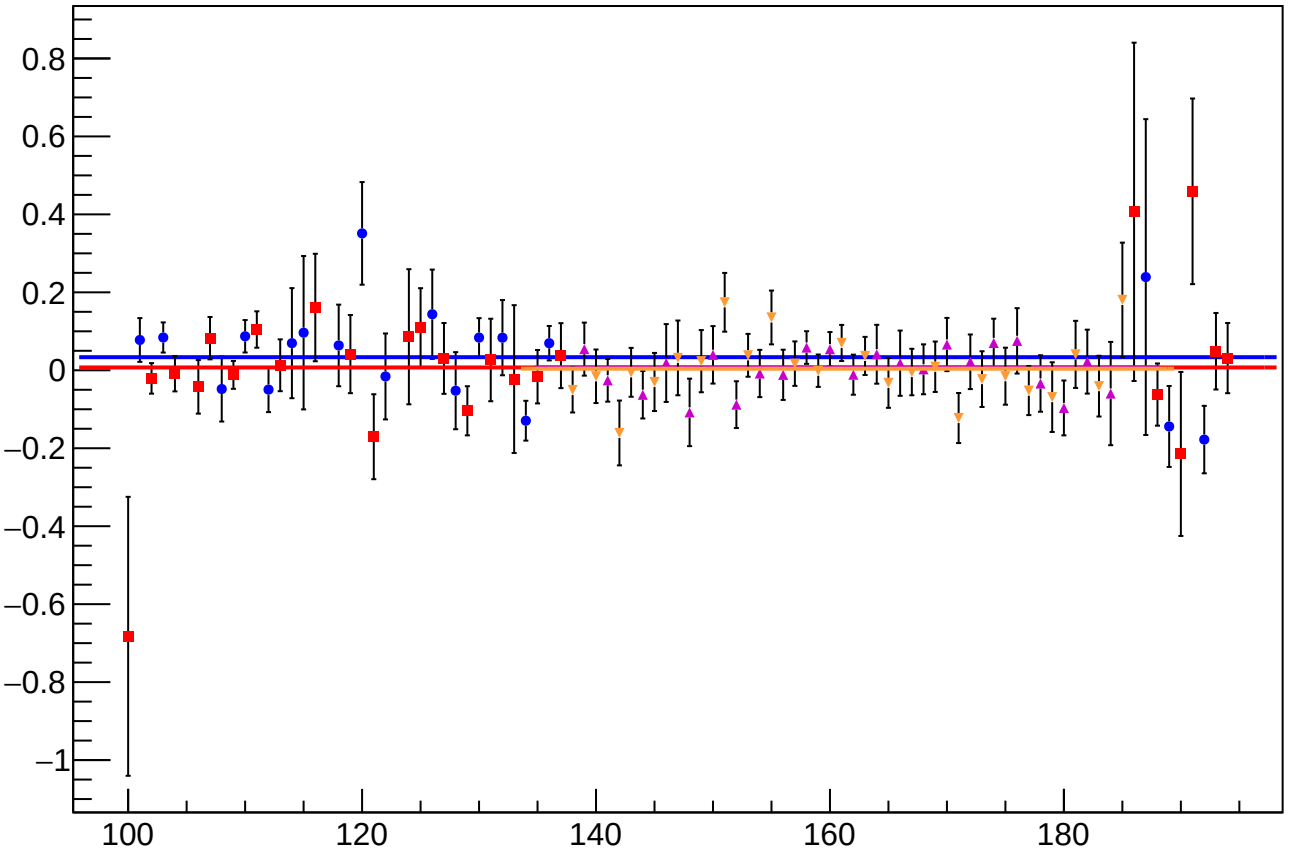
Right Out: 41.277+/-0.010 χ^2/NDF: 4632609.9/24

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 49.565+/-0.007 χ^2/NDF: 4909054.2/43

All: 49.325+/-0.005 χ^2/NDF: 12053189.7/91

- sign 49.090+/-0.007 χ^2/NDF: 7141839.4/47



Right In: 0.034+/-0.016 χ^2/NDF: 36.3/18

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.007+/-0.014 χ^2/NDF: 26.7/24

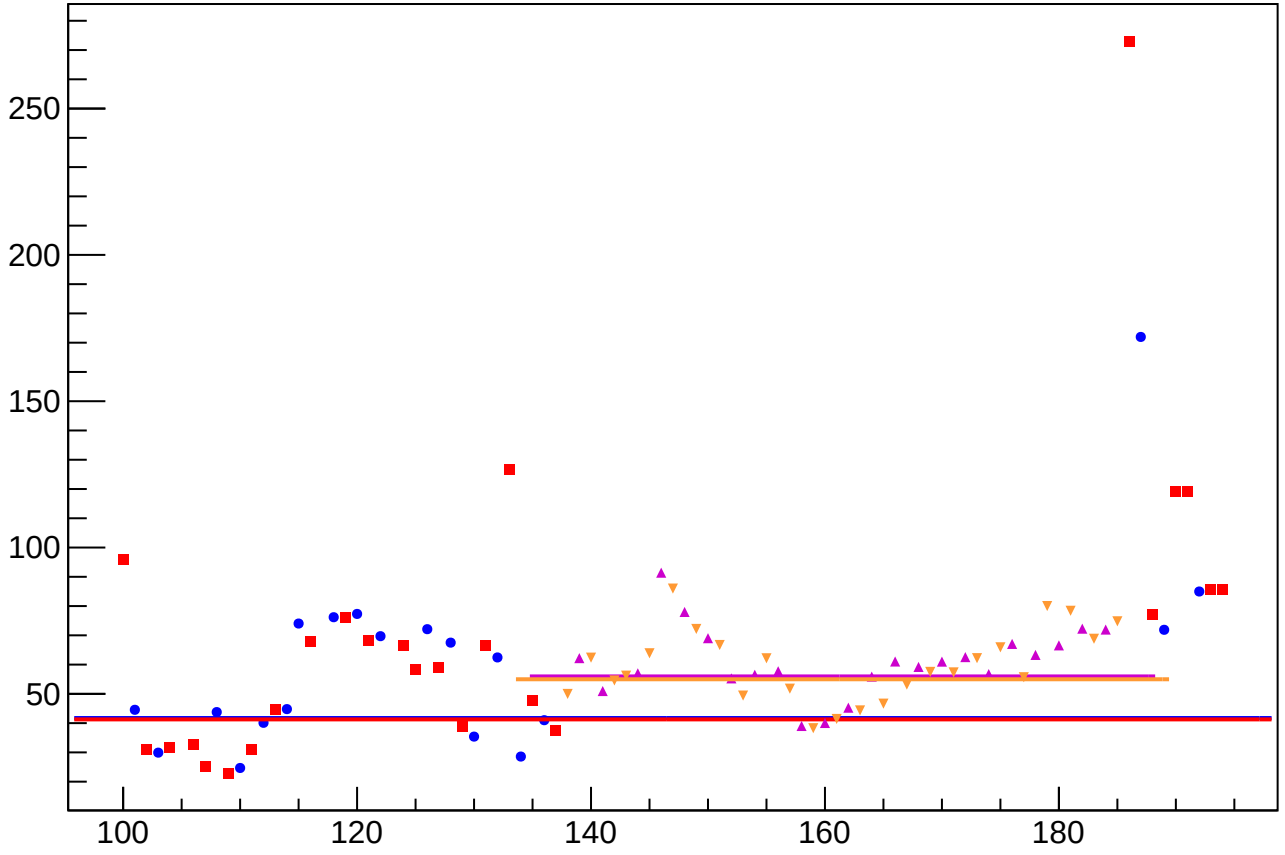
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/43

All: 0.012+/-0.007 χ^2/NDF: 105.4/91

- sign 0.007+/-0.010 χ^2/NDF: 41.8/47

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: 41.277+/-0.010 χ^2/NDF: 4632609.9/24

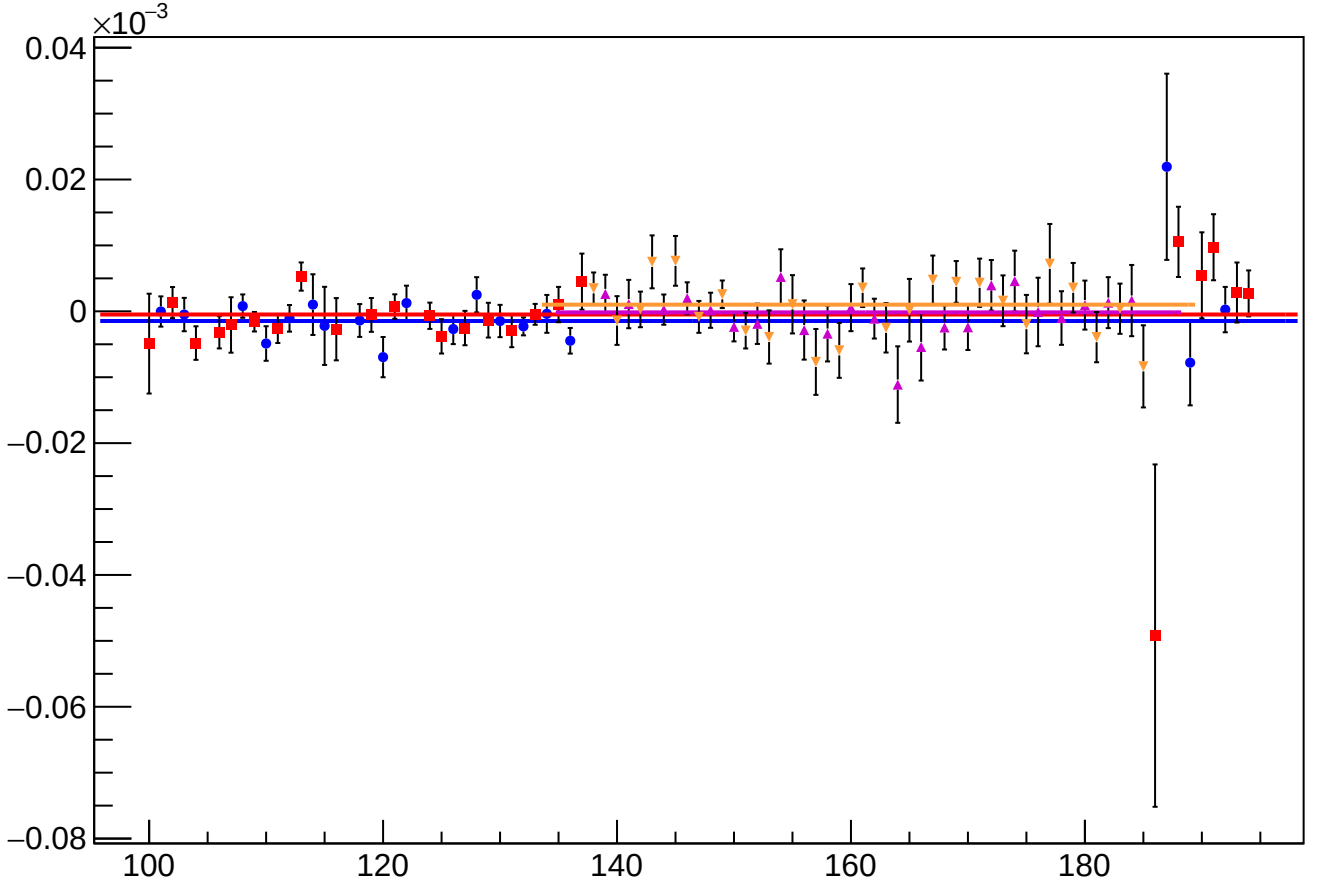
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 49.565+/-0.007 χ^2/NDF: 4909054.2/43

All: 49.325+/-0.005 χ^2/NDF: 12053189.7/91

- sign 49.090+/-0.007 χ^2/NDF: 7141839.4/47

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.8/24

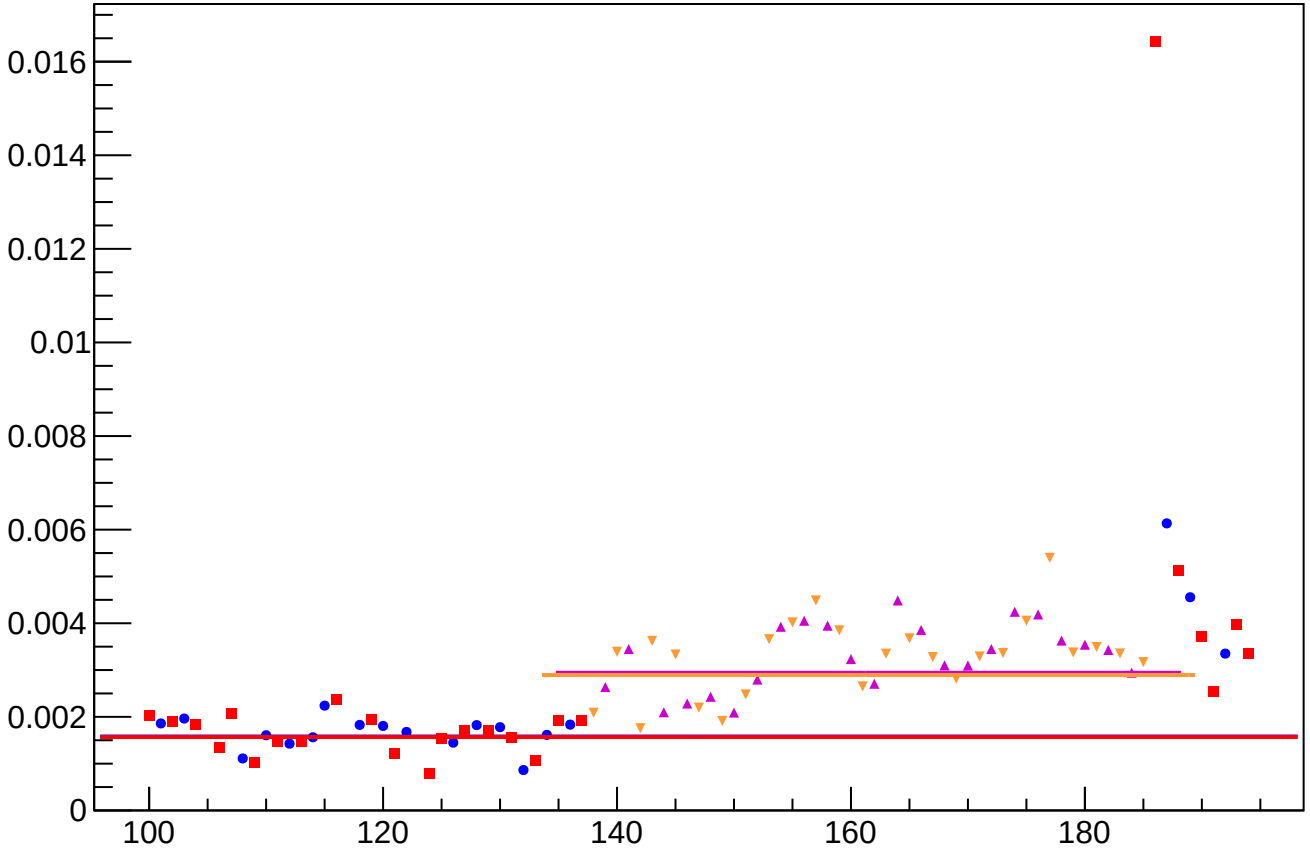
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.1/43

All: -0.000+/-0.000 χ^2/NDF: 102.0/91

- sign -0.000+/-0.000 χ^2/NDF: 47.9/47

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

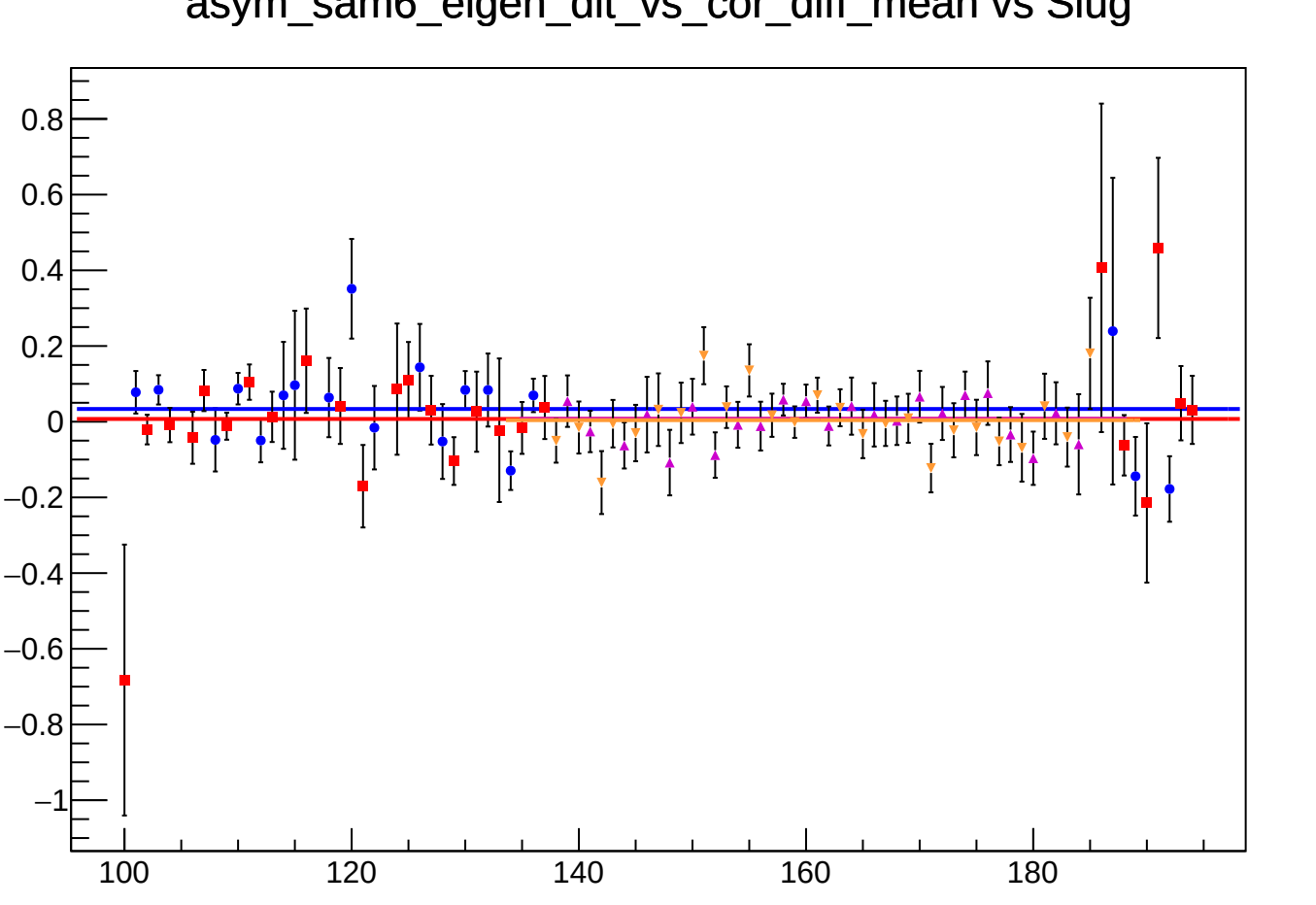
Right Out: 0.002+/-0.000 χ^2/NDF: 4068142.7/24

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: 19869057.1/91

- sign 0.002+/-0.000 χ^2/NDF: 10791522.5/47



Right In: 0.034+/-0.016 χ^2/NDF: 36.3/18

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.007+/-0.014 χ^2/NDF: 26.7/24

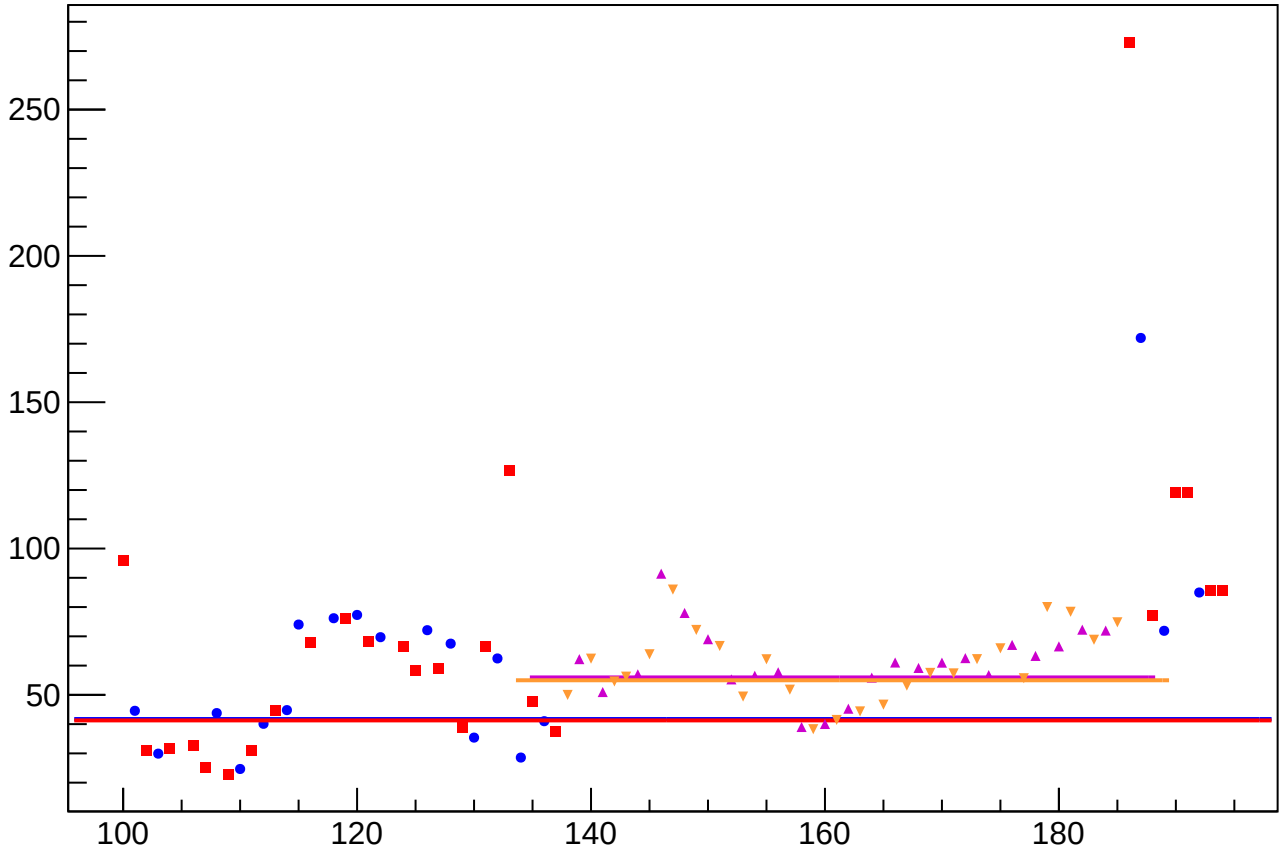
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/43

All: 0.012+/-0.007 χ^2/NDF: 105.4/91

- sign 0.007+/-0.010 χ^2/NDF: 41.8/47

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

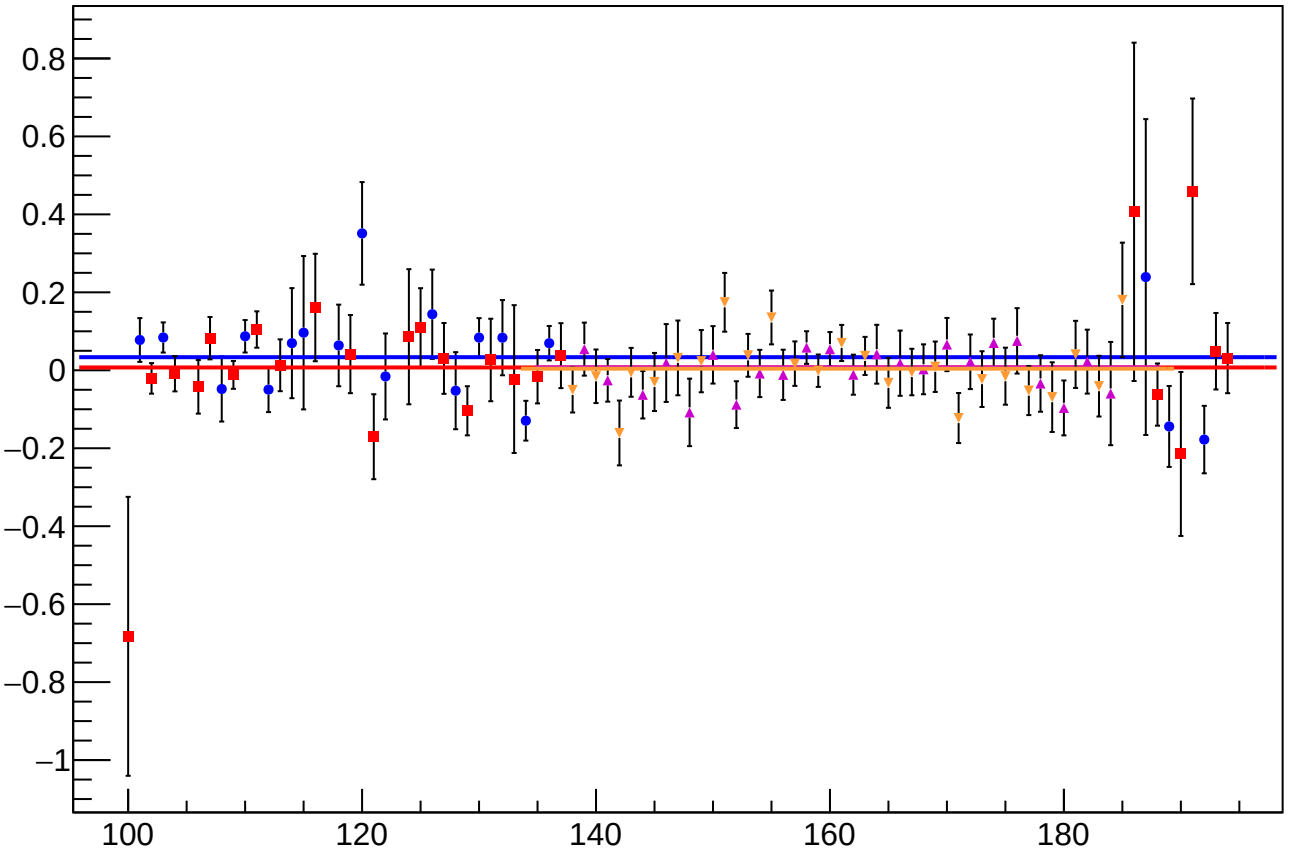
Right Out: 41.276+/-0.010 χ^2/NDF: 4632578.6/24

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 49.564+/-0.007 χ^2/NDF: 4909177.3/43

All: 49.324+/-0.005 χ^2/NDF: 12053346.9/91

- sign 49.089+/-0.007 χ^2/NDF: 7141874.2/47



Right In: 0.034+/-0.016 χ^2/NDF: 36.3/18

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.007+/-0.014 χ^2/NDF: 26.7/24

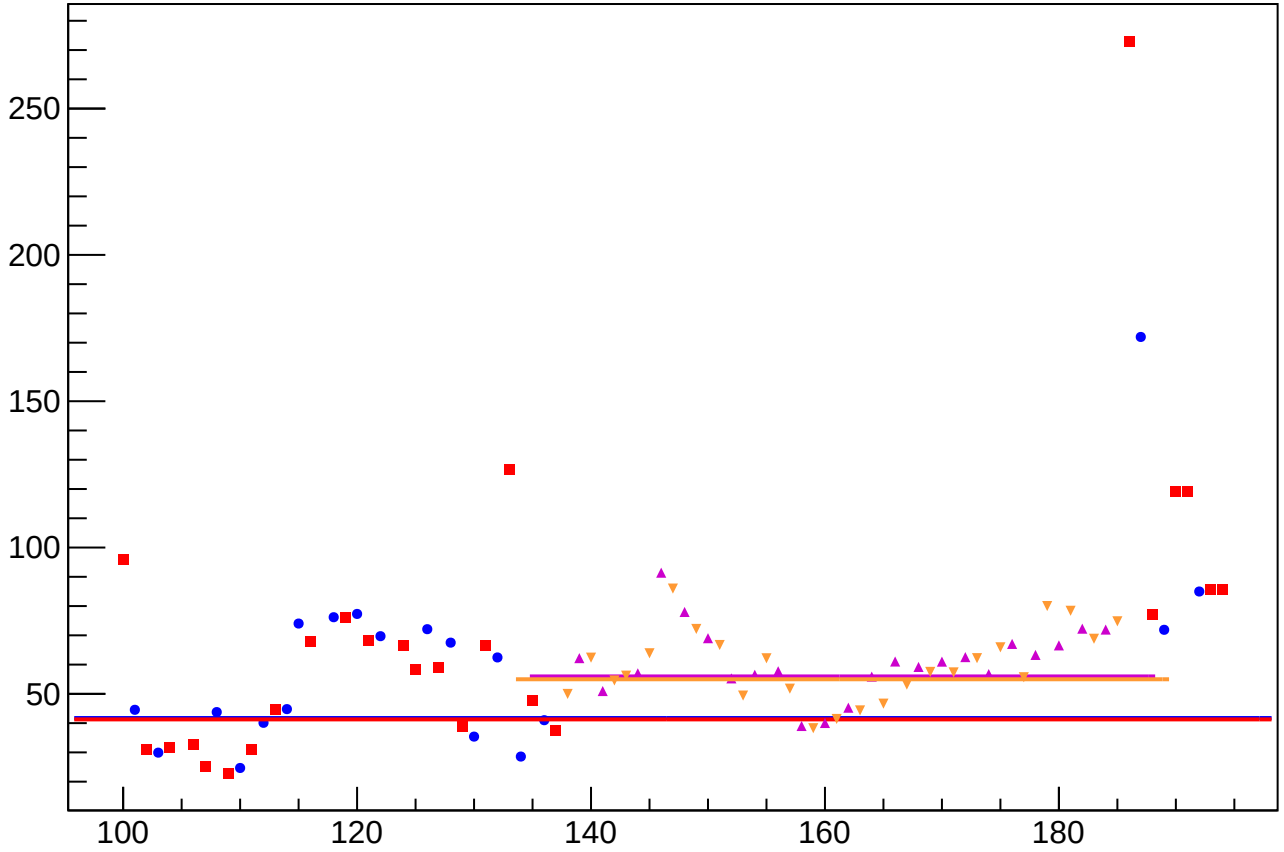
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.016+/-0.010 χ^2/NDF: 63.2/43

All: 0.012+/-0.007 χ^2/NDF: 105.4/91

- sign 0.007+/-0.010 χ^2/NDF: 41.8/47

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

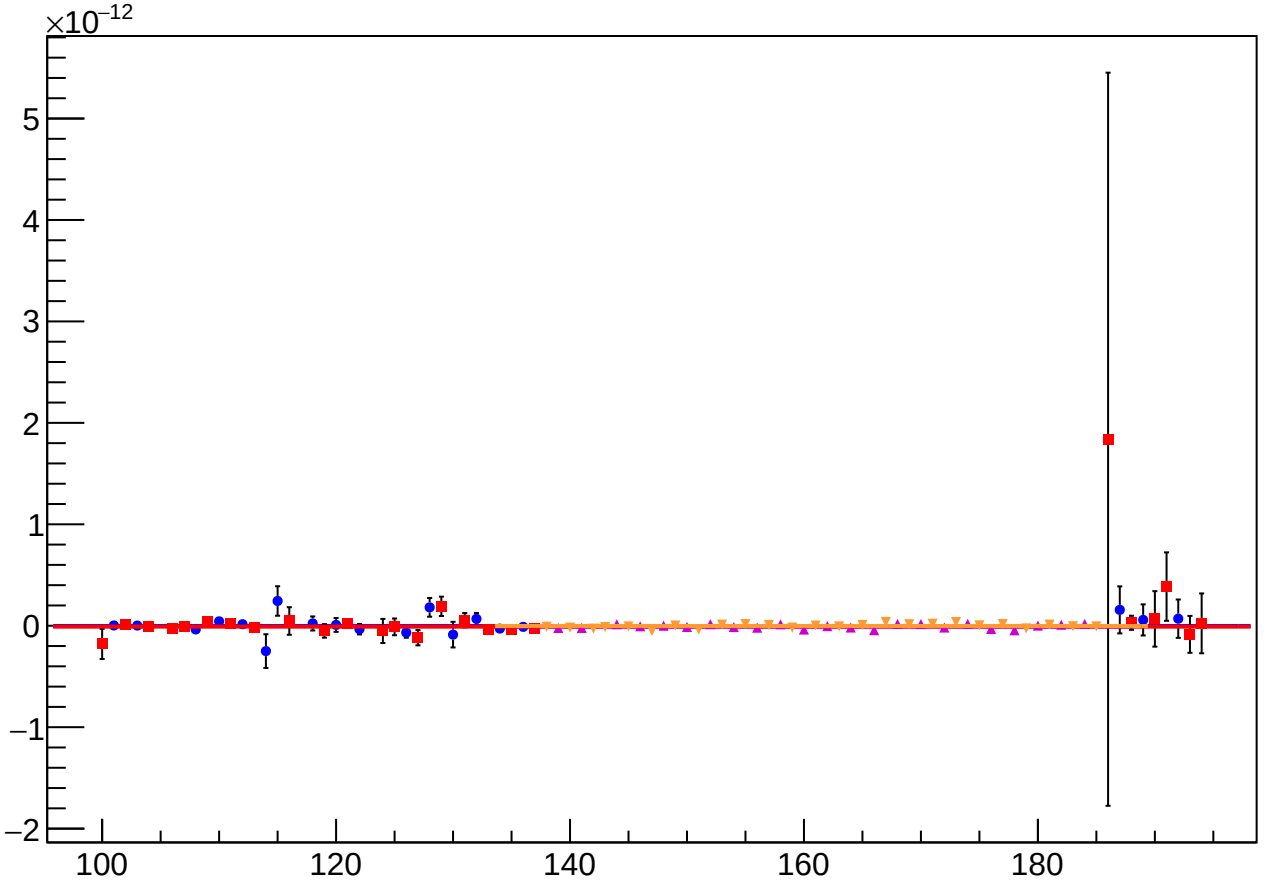
Right Out: 41.276+/-0.010 χ^2/NDF: 4632578.6/24

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 49.564+/-0.007 χ^2/NDF: 4909177.3/43

All: 49.324+/-0.005 χ^2/NDF: 12053346.9/91

- sign 49.089+/-0.007 χ^2/NDF: 7141874.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/18

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

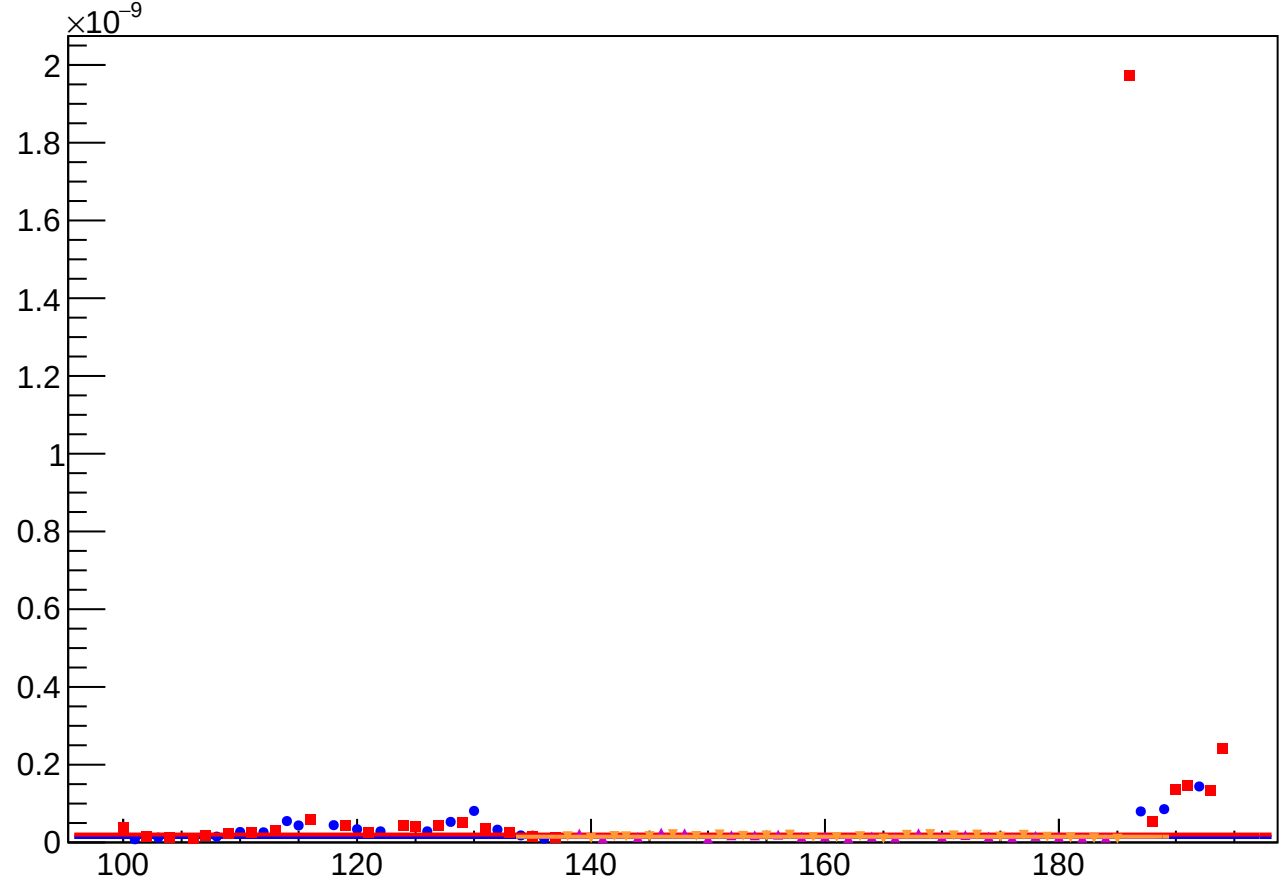
Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/24

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: 77.3/91

- sign -0.000+/-0.000 χ^2/NDF: 39.9/47



Right In: 0.000+/-0.000 χ^2/NDF: 4738200.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5702975.6/24

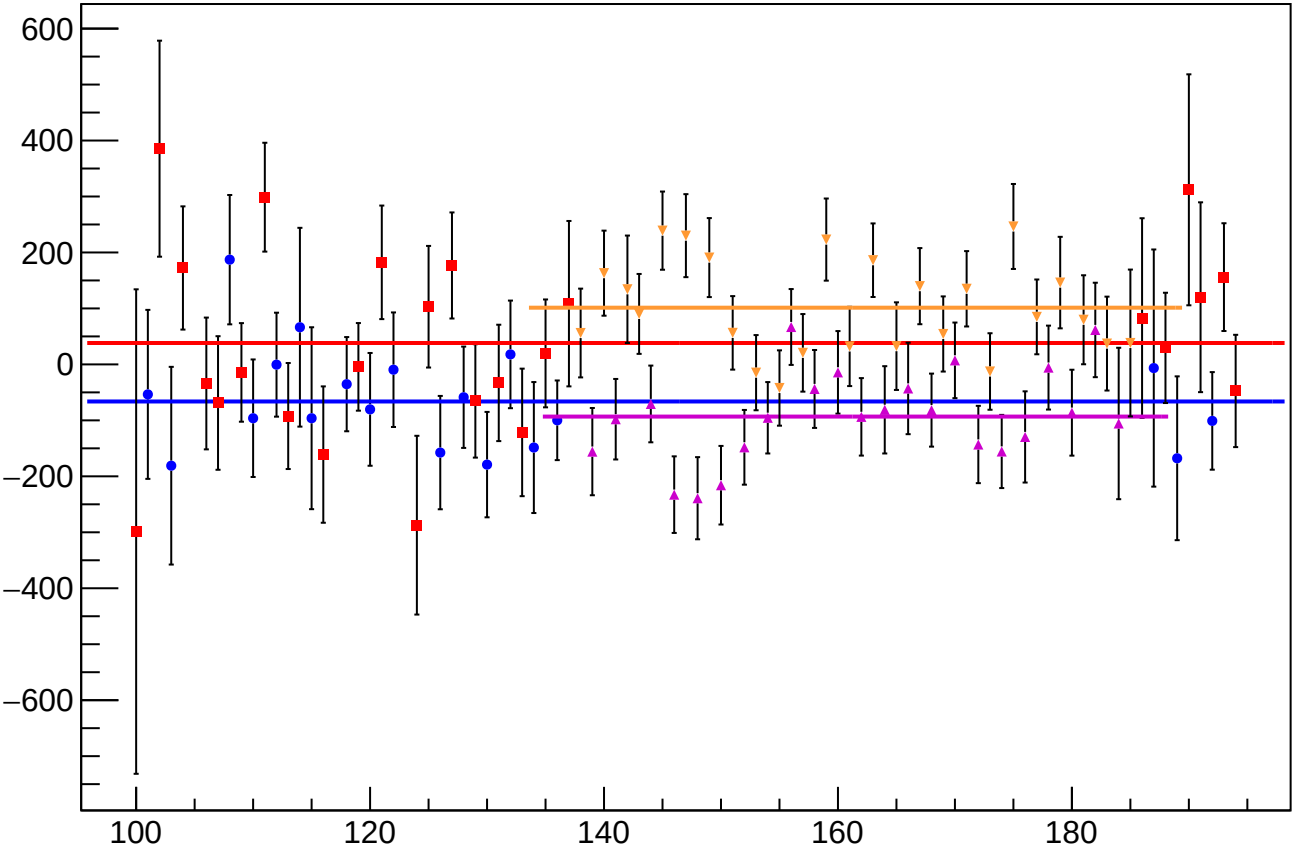
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6158282.0/43

All: 0.000+/-0.000 χ^2/NDF: 14004744.7/91

- sign 0.000+/-0.000 χ^2/NDF: 7718426.9/47

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: 38.247+/-22.436 χ^2/NDF: 35.6/24

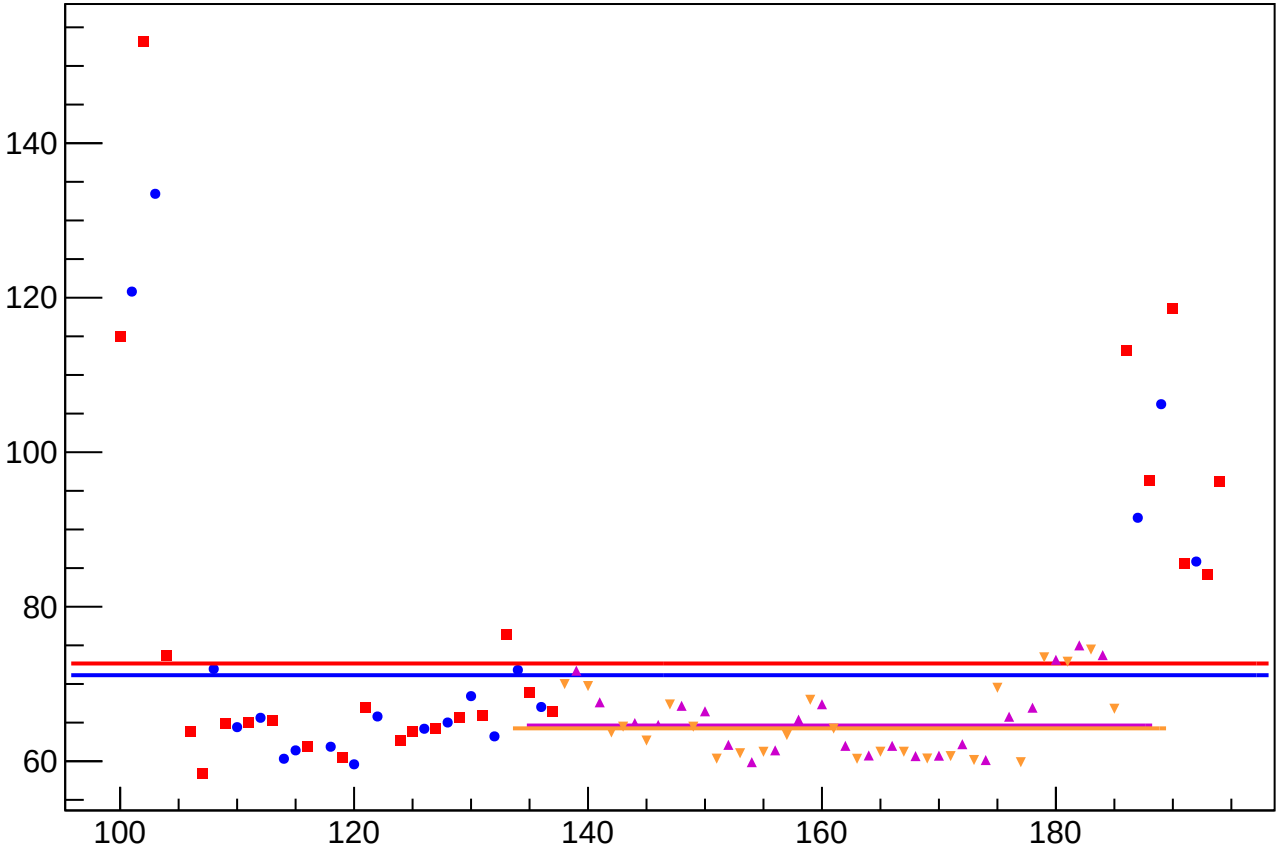
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 57.072+/-12.561 χ^2/NDF: 79.8/43

All: 2.426+/-8.877 χ^2/NDF: 205.7/91

- sign -52.110+/-12.548 χ^2/NDF: 88.1/47

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: 72.652+/-0.016 χ^2/NDF: 1049335.4/24

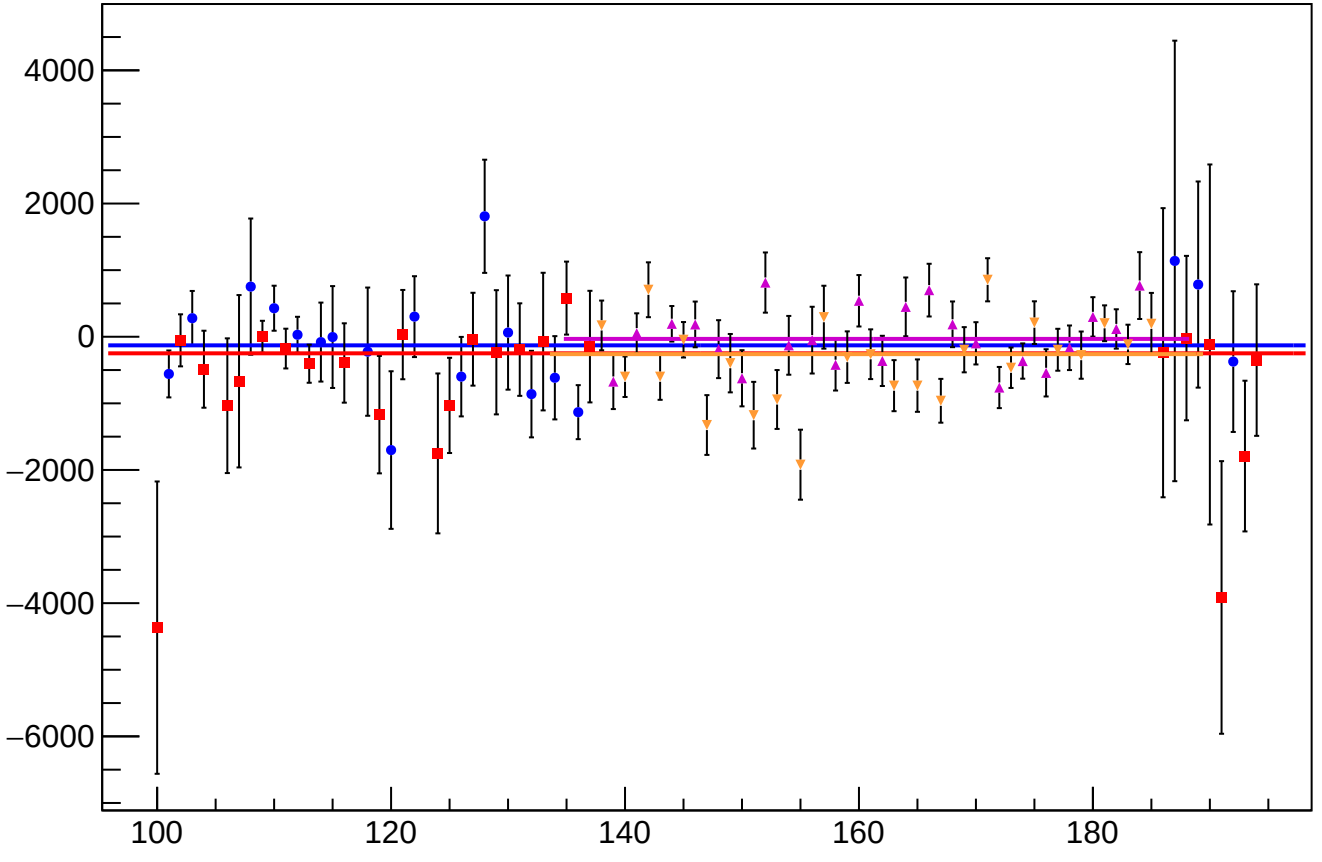
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 66.073+/-0.009 χ^2/NDF: 1076281.1/43

All: 66.604+/-0.006 χ^2/NDF: 2456062.2/91

- sign 67.133+/-0.009 χ^2/NDF: 1372645.4/47

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: -248.911+/-115.561 χ^2/NDF: 17.7/24

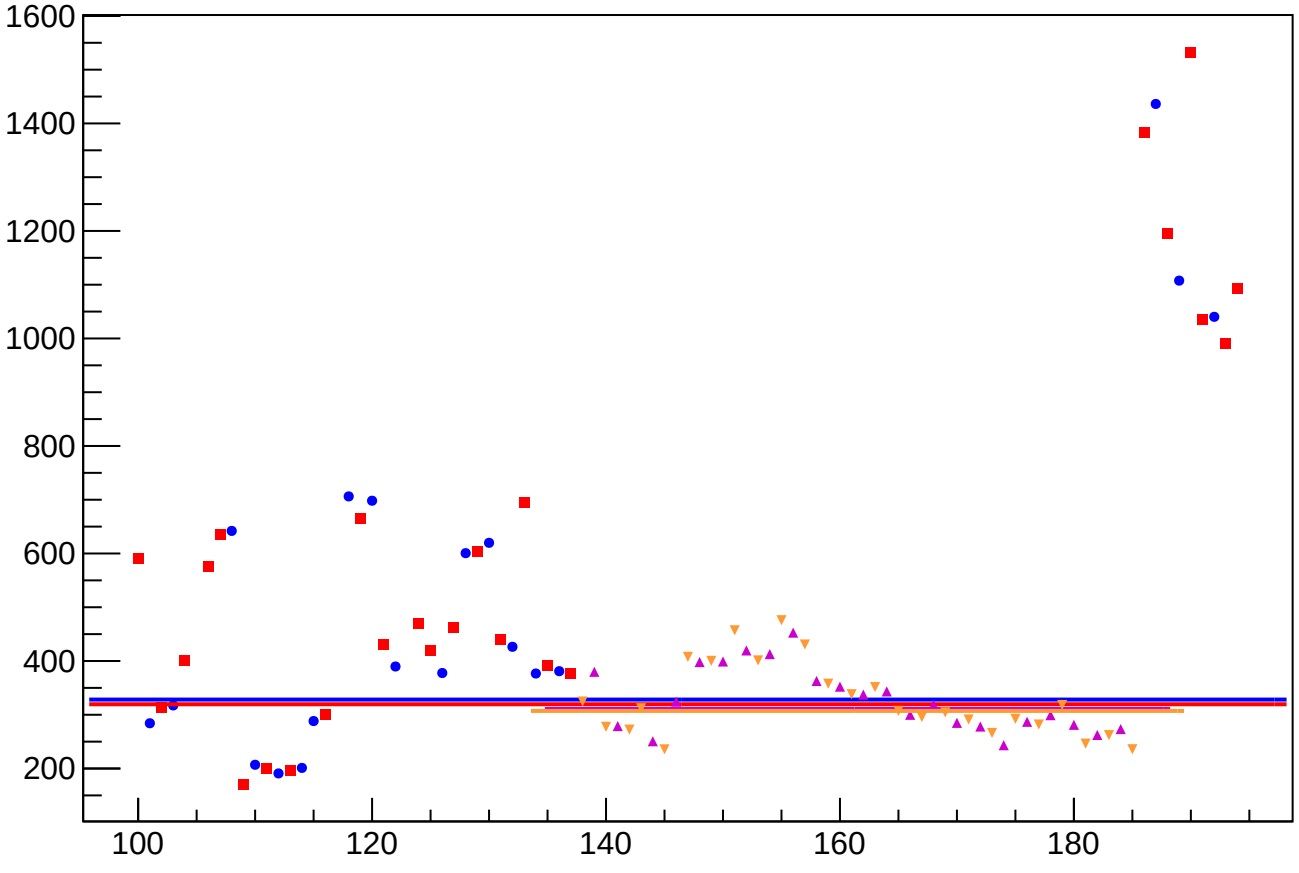
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -228.567+/-61.854 χ^2/NDF: 82.7/43

All: -162.269+/-43.867 χ^2/NDF: 136.9/91

- sign -95.183+/-62.221 χ^2/NDF: 51.9/47

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: 319.528+/-0.082 χ^2/NDF: 6614900.6/24

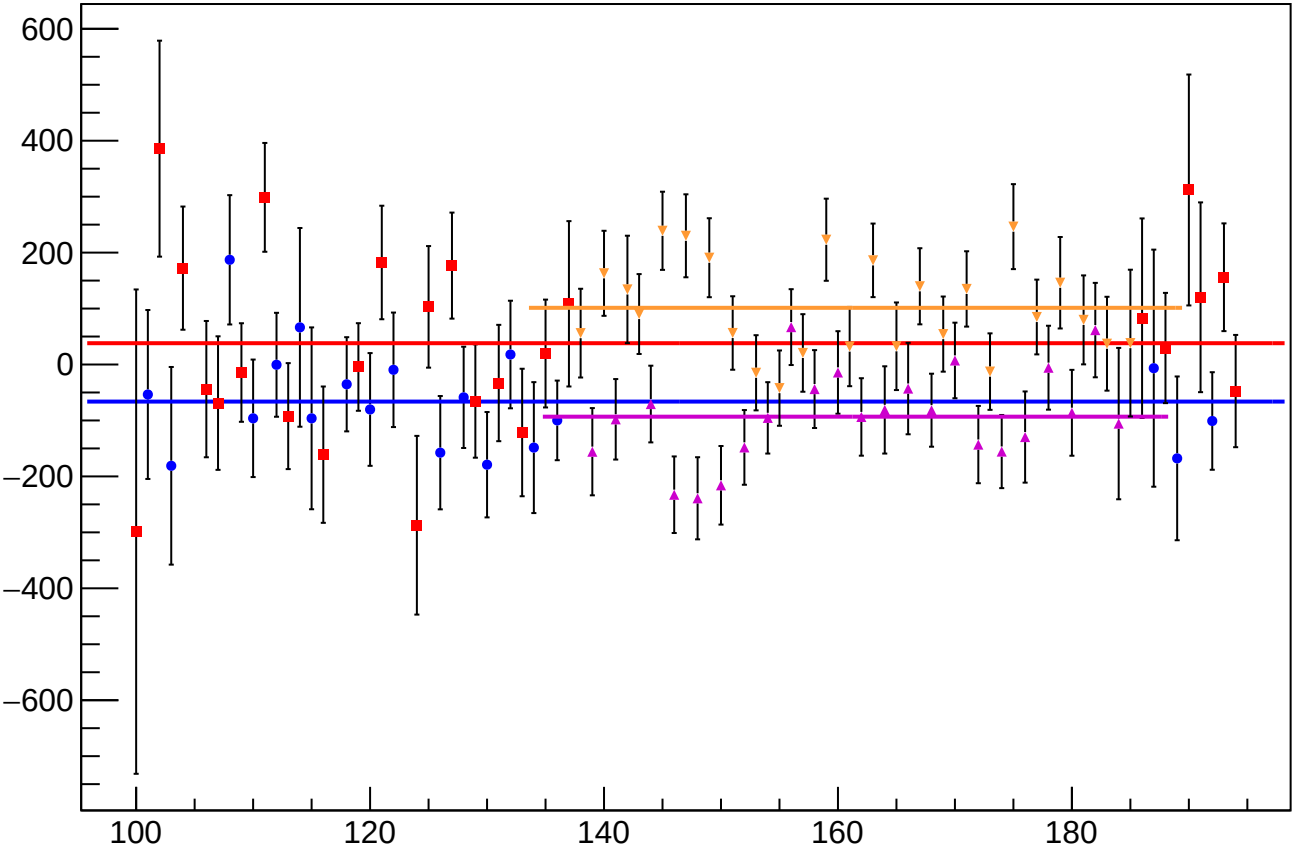
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 312.354+/-0.044 χ^2/NDF: 5163359.9/43

All: 312.803+/-0.031 χ^2/NDF: 12866242.3/91

- sign 313.258+/-0.044 χ^2/NDF: 7702670.4/47

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: 38.085+/-22.463 χ^2/NDF: 35.7/24

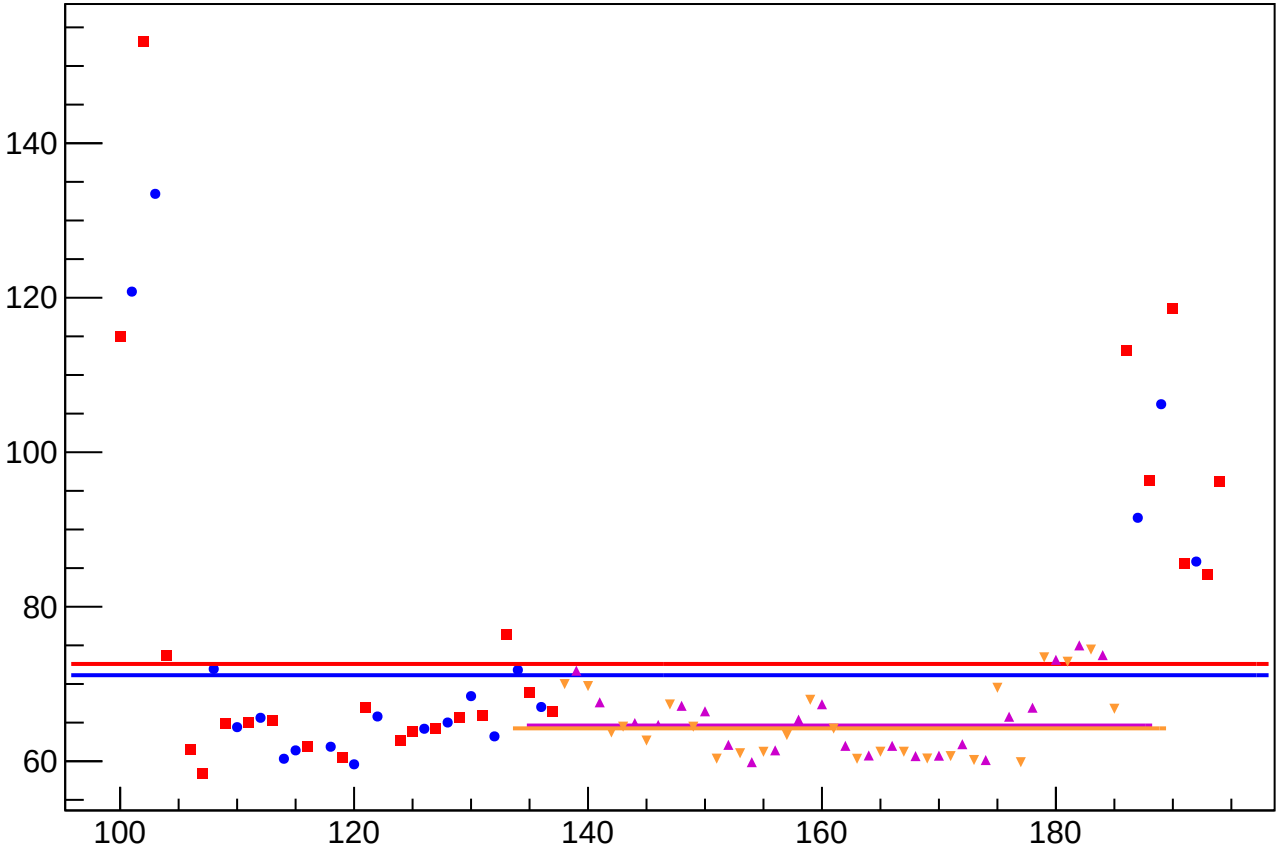
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 57.072+/-12.561 χ^2/NDF: 79.8/43

All: 2.387+/-8.879 χ^2/NDF: 205.7/91

- sign -52.228+/-12.553 χ^2/NDF: 88.0/47

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: 72.593+/-0.016 χ^2/NDF: 1054935.6/24

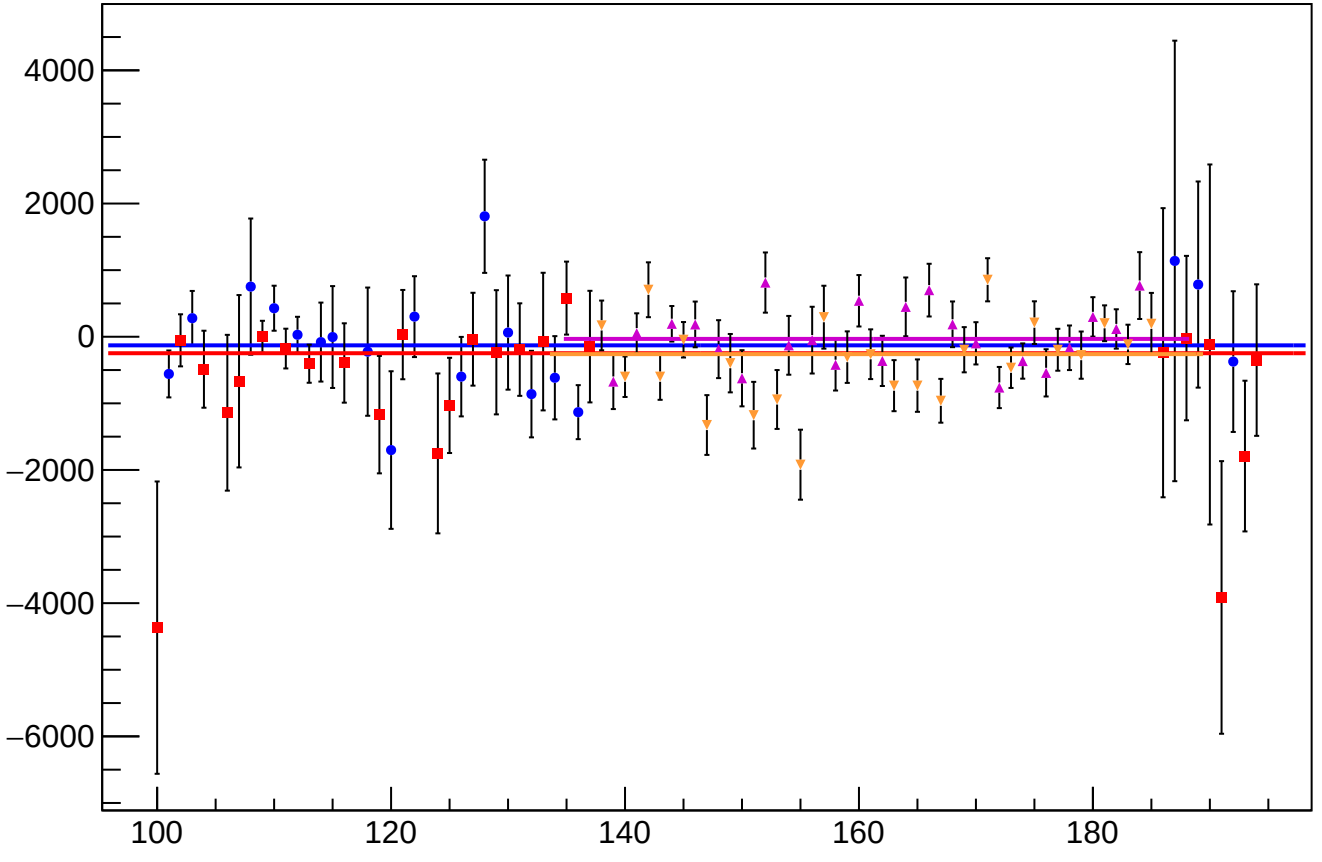
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 66.073+/-0.009 χ^2/NDF: 1076281.4/43

All: 66.592+/-0.006 χ^2/NDF: 2458477.8/91

- sign 67.111+/-0.009 χ^2/NDF: 1375365.1/47

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: -247.359+/-115.757 χ^2/NDF: 17.7/24

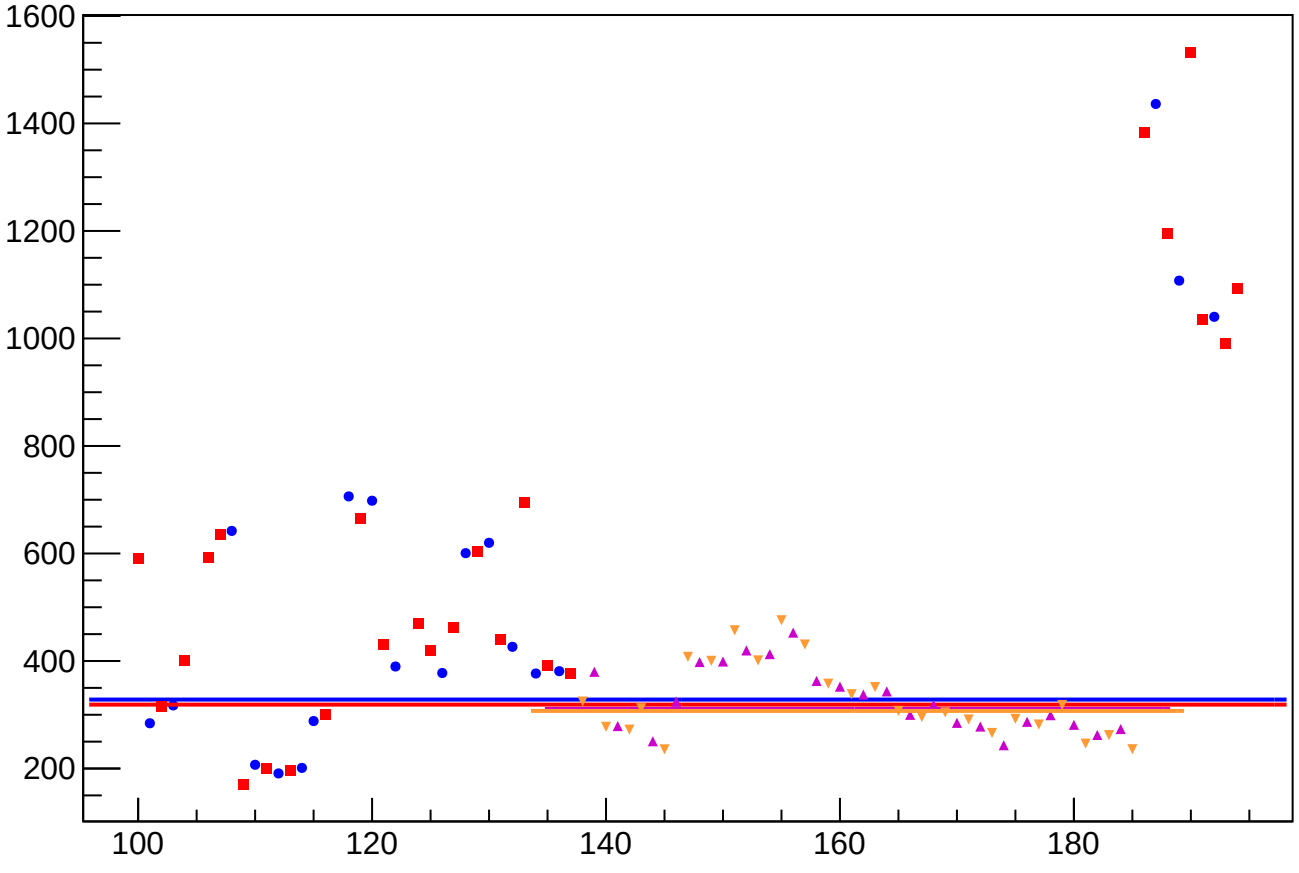
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -228.568+/-61.854 χ^2/NDF: 82.7/43

All: -162.003+/-43.877 χ^2/NDF: 136.9/91

- sign -94.581+/-62.251 χ^2/NDF: 51.9/47

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: 318.872+/-0.082 χ^2/NDF: 6596431.7/24

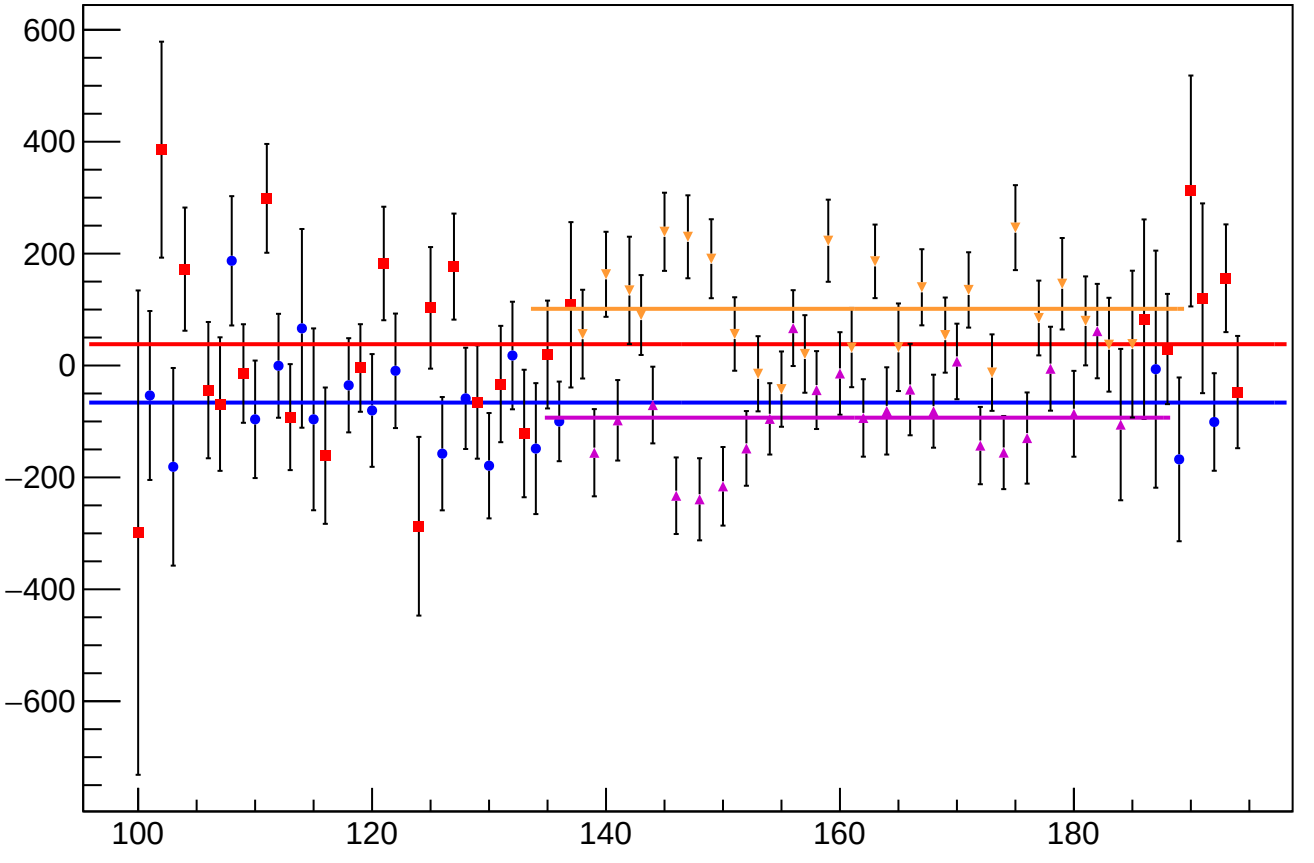
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 312.355+/-0.044 χ^2/NDF: 5163357.8/43

All: 312.706+/-0.031 χ^2/NDF: 12846489.1/91

- sign 313.062+/-0.044 χ^2/NDF: 7683001.4/47

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: 38.085+/-22.463 χ^2/NDF: 35.7/24

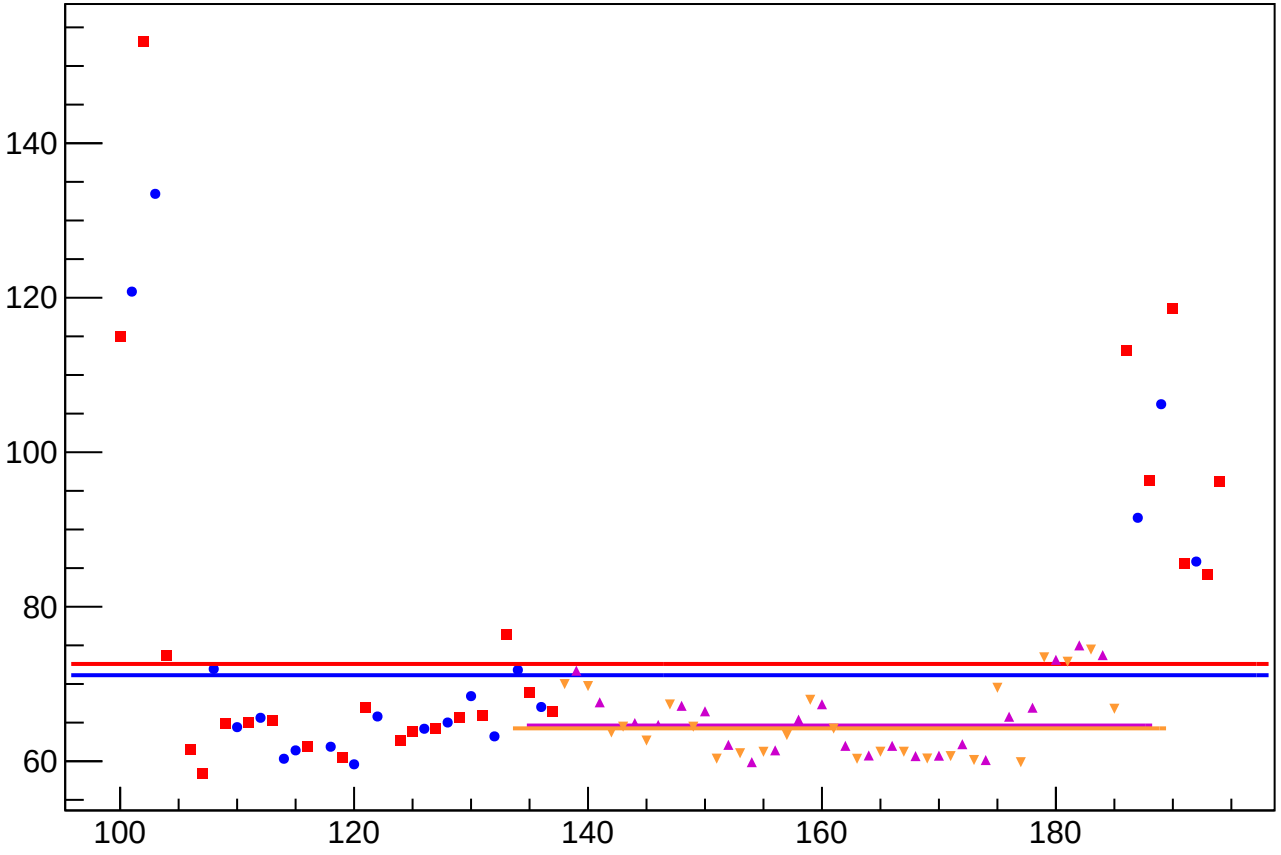
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 57.072+/-12.561 χ^2/NDF: 79.8/43

All: 2.387+/-8.879 χ^2/NDF: 205.7/91

- sign -52.228+/-12.553 χ^2/NDF: 88.0/47

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

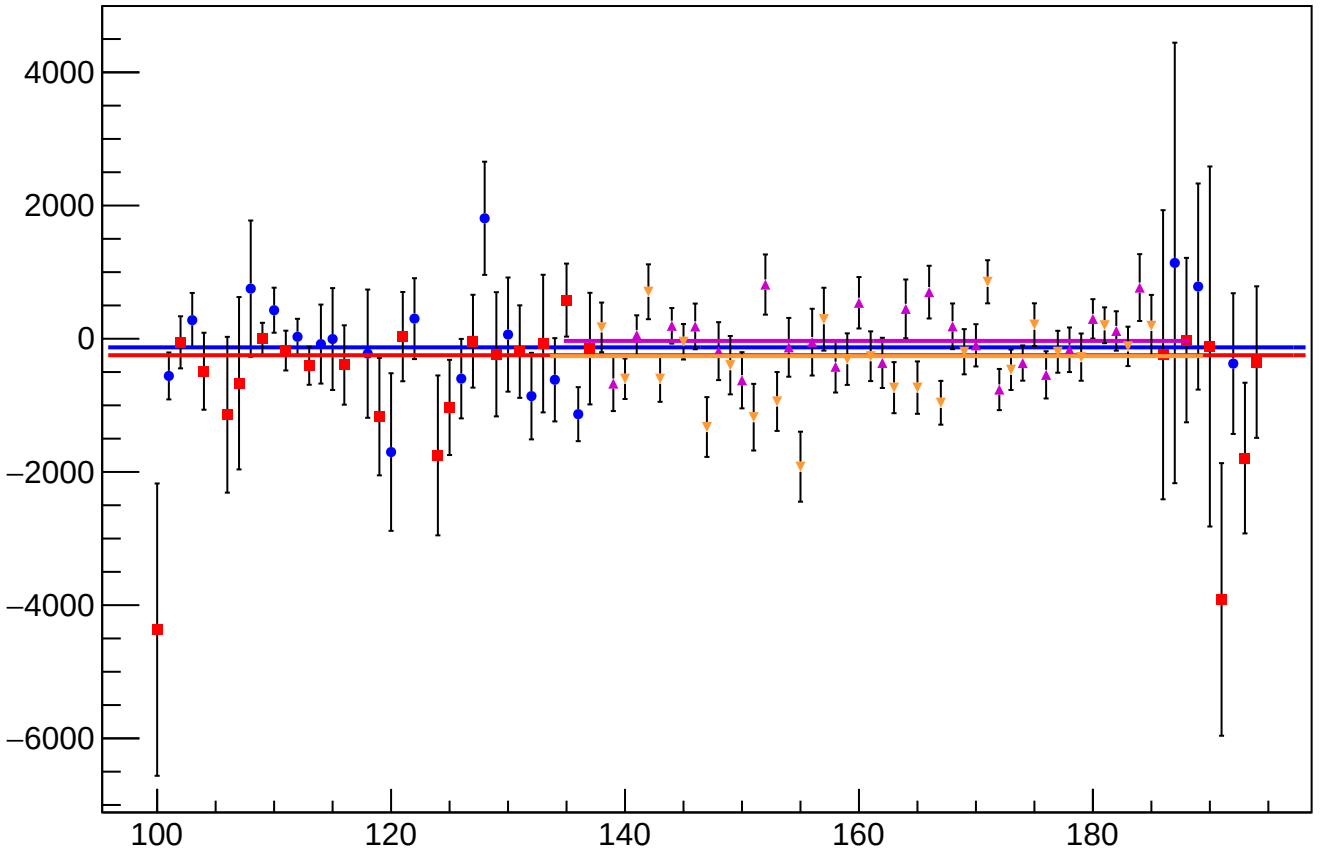
Right Out: 72.593+/-0.016 χ^2/NDF: 1054935.6/24

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 66.073+/-0.009 χ^2/NDF: 1076281.4/43

All: 66.592+/-0.006 χ^2/NDF: 2458477.8/91

- sign 67.111+/-0.009 χ^2/NDF: 1375365.1/47



Right In: -129.173+/-124.525 χ^2/NDF: 23.0/18

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -247.359+/-115.757 χ^2/NDF: 17.7/24

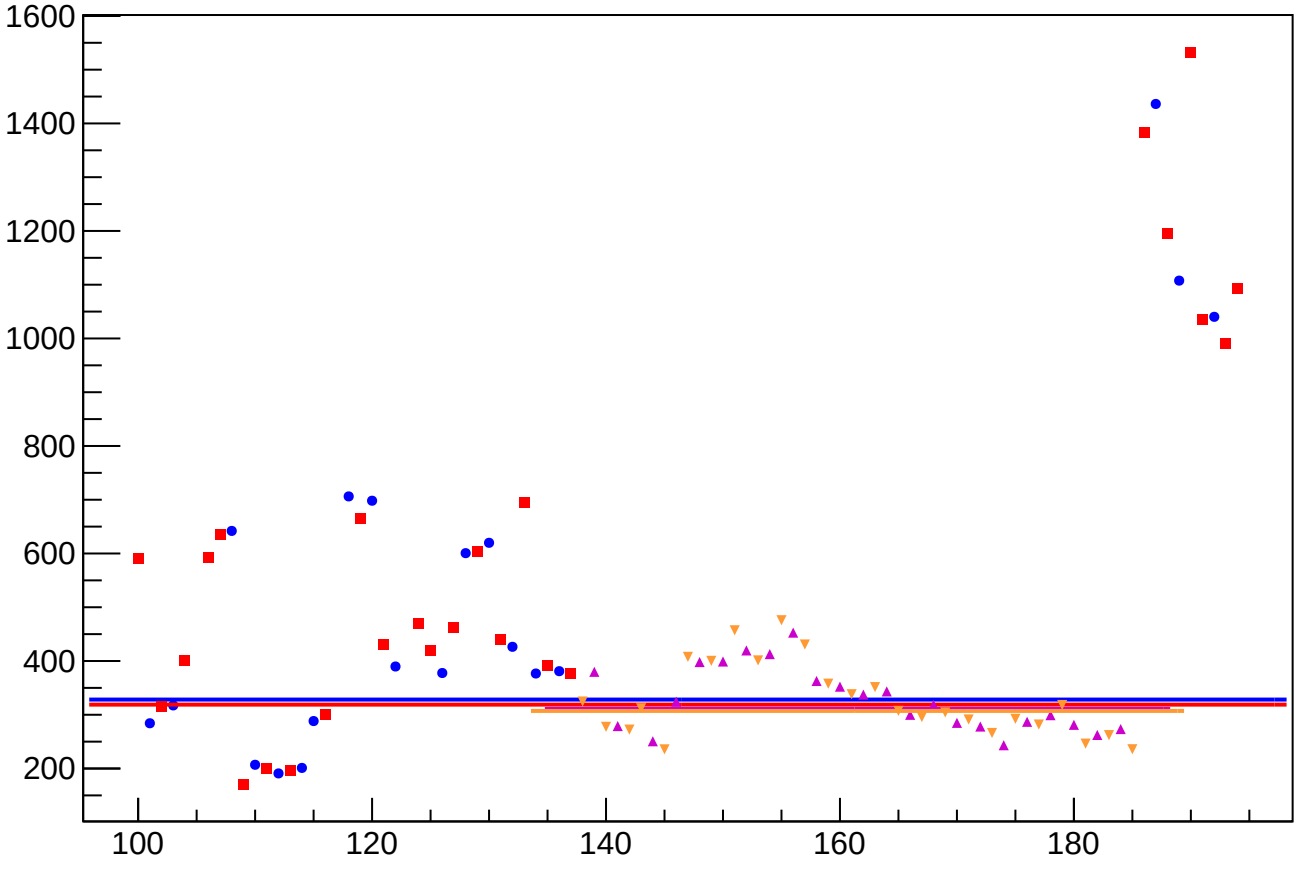
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -228.568+/-61.854 χ^2/NDF: 82.7/43

All: -162.003+/-43.877 χ^2/NDF: 136.9/91

- sign -94.581+/-62.251 χ^2/NDF: 51.9/47

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: 318.872+/-0.082 χ^2/NDF: 6596431.7/24

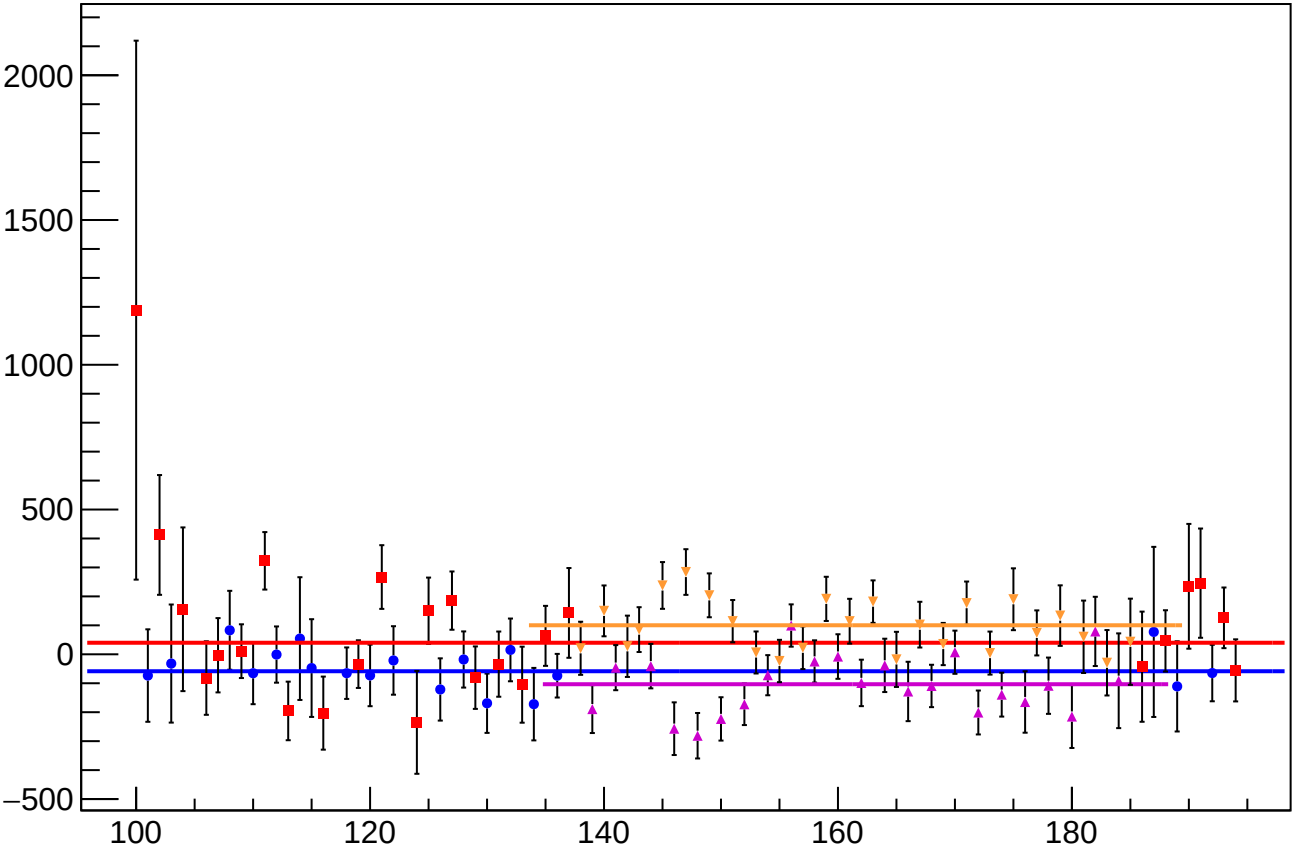
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 312.355+/-0.044 χ^2/NDF: 5163357.8/43

All: 312.706+/-0.031 χ^2/NDF: 12846489.1/91

- sign 313.062+/-0.044 χ^2/NDF: 7683001.4/47

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: 39.895+/-24.421 χ^2/NDF: 40.9/24

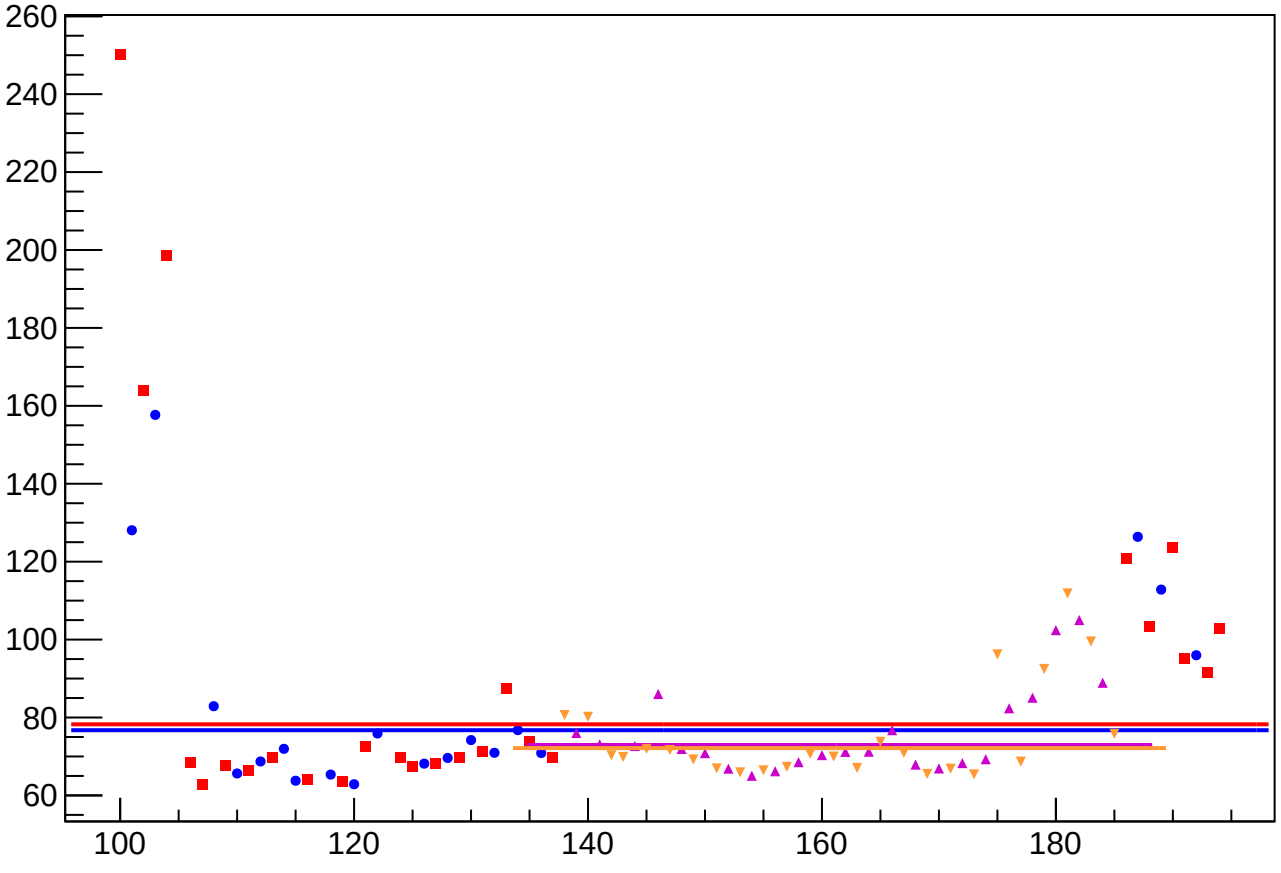
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 55.397+/-14.081 χ^2/NDF: 58.7/43

All: -0.065+/-9.962 χ^2/NDF: 186.3/91

- sign -55.639+/-14.095 χ^2/NDF: 96.5/47

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

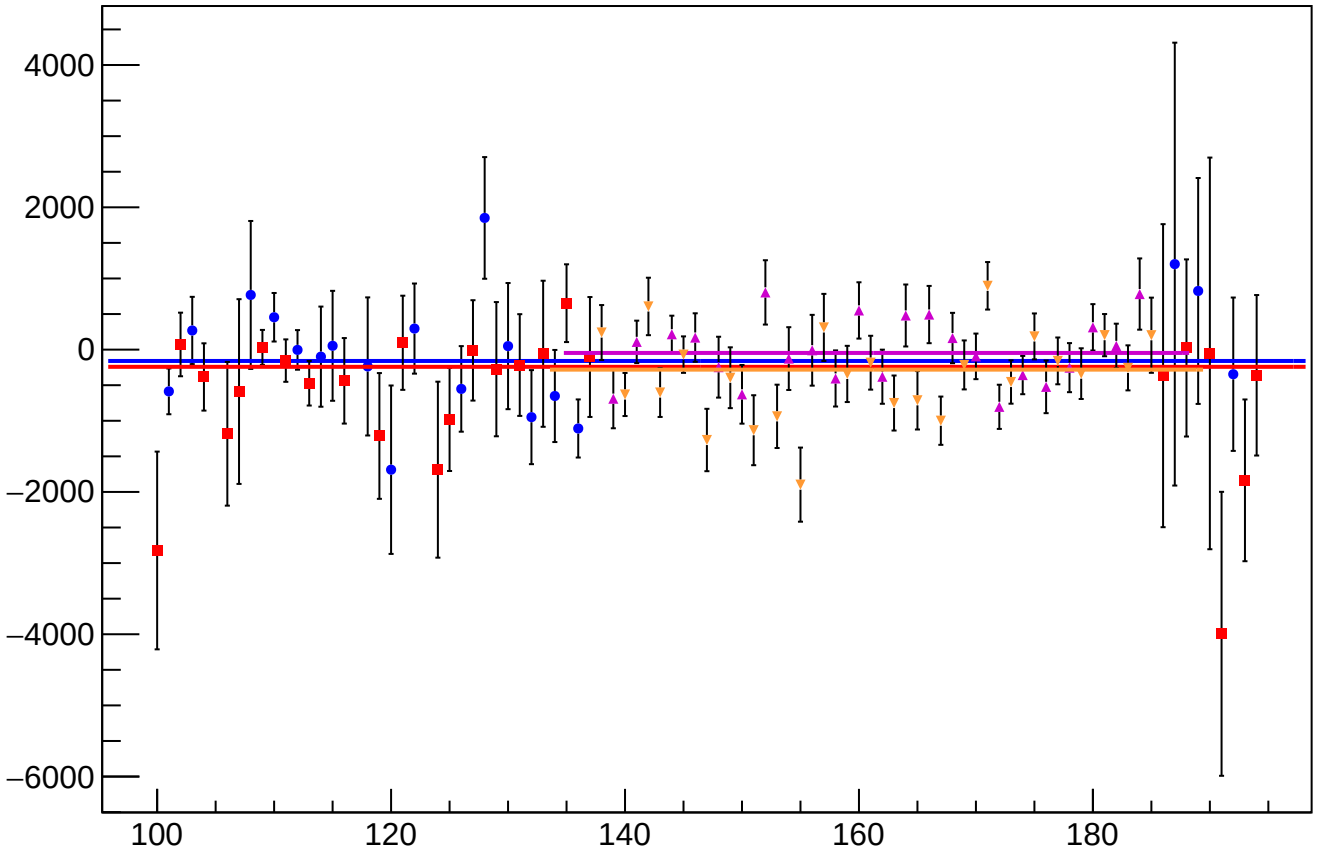
Right Out: 78.252+/-0.017 χ^2/NDF: 1516132.2/24

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 73.447+/-0.010 χ^2/NDF: 1610505.7/43

All: 74.081+/-0.007 χ^2/NDF: 3706662.3/91

- sign 74.715+/-0.010 χ^2/NDF: 2088061.4/47



Right In: -159.386+/-127.019 χ^2/NDF: 23.2/18

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -241.682+/-117.758 χ^2/NDF: 19.2/24

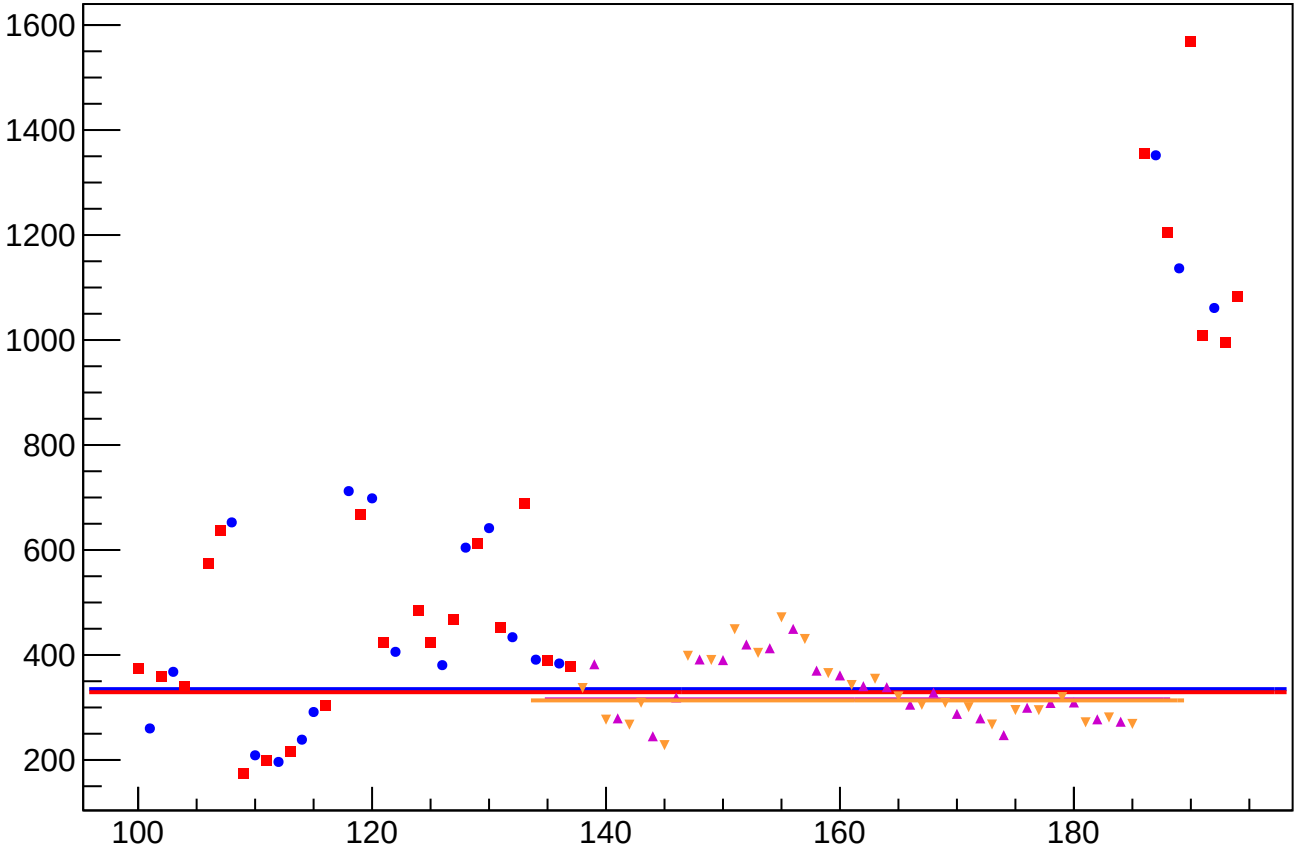
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -251.246+/-62.990 χ^2/NDF: 80.8/43

All: -177.250+/-44.614 χ^2/NDF: 135.5/91

- sign -102.765+/-63.198 χ^2/NDF: 51.9/47

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: 329.129+/-0.083 χ^2/NDF: 6358545.7/24

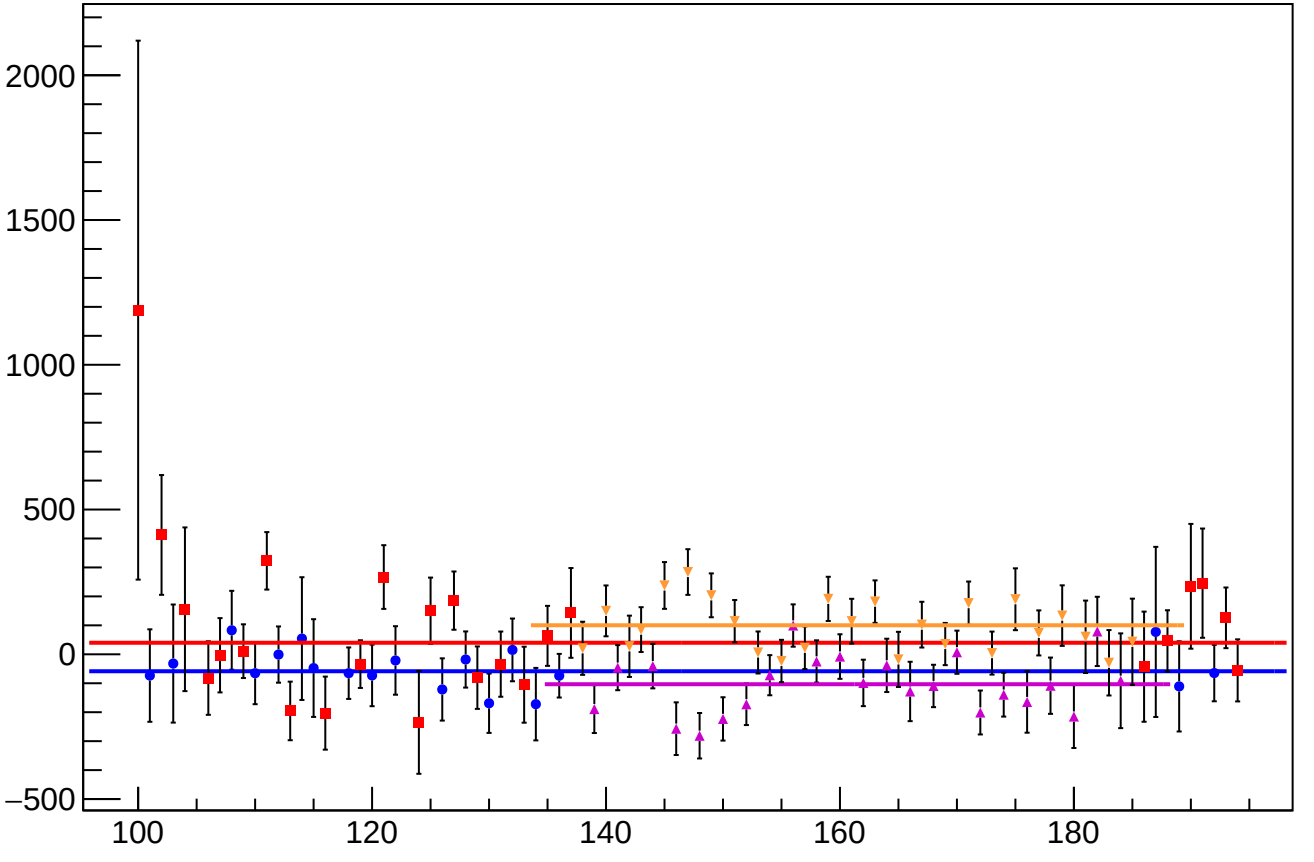
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 318.777+/-0.045 χ^2/NDF: 5022419.7/43

All: 319.084+/-0.032 χ^2/NDF: 12408782.4/91

- sign 319.393+/-0.045 χ^2/NDF: 7386267.3/47

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: 39.896+/-24.421 χ^2/NDF: 40.9/24

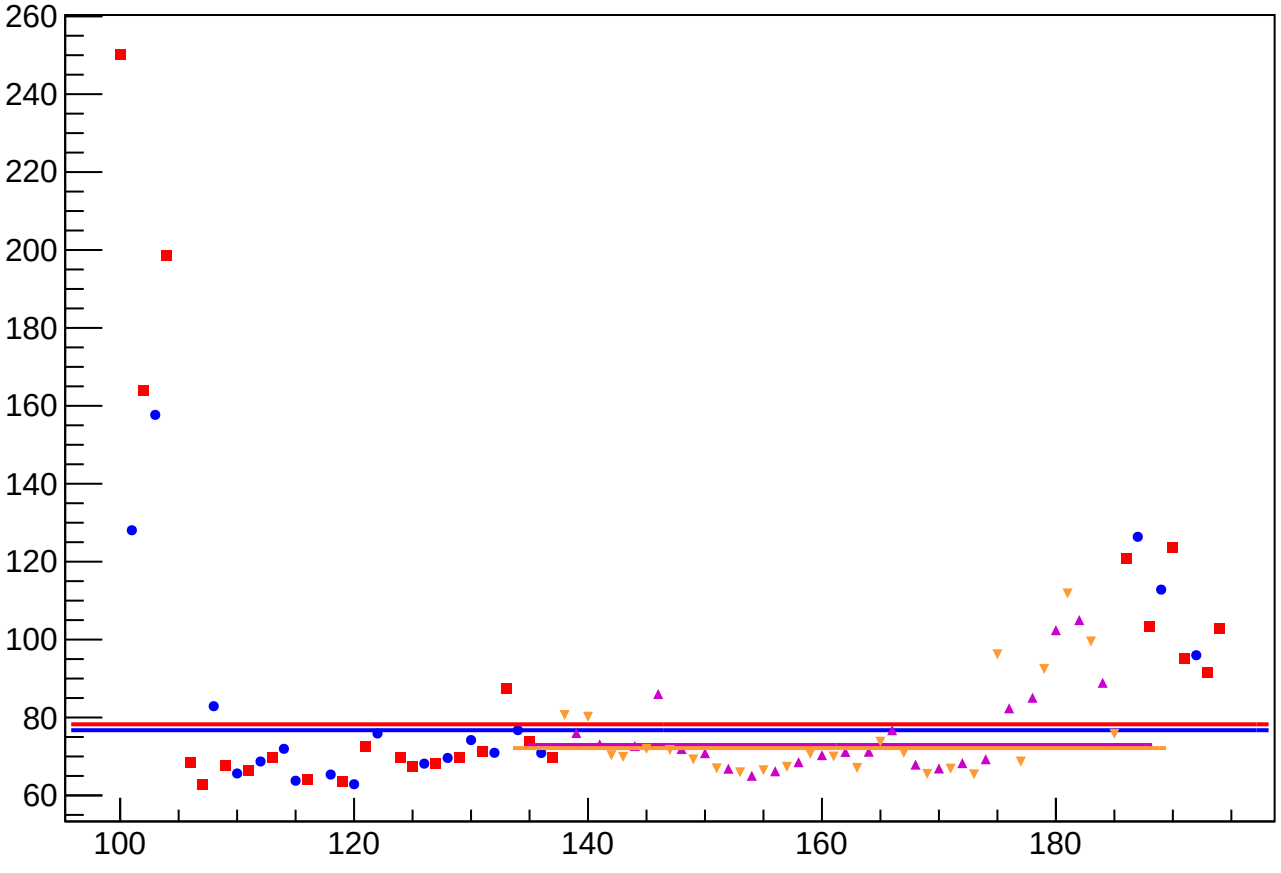
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 55.397+/-14.081 χ^2/NDF: 58.7/43

All: -0.064+/-9.962 χ^2/NDF: 186.3/91

- sign -55.638+/-14.095 χ^2/NDF: 96.5/47

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: 78.251+/-0.017 χ^2/NDF: 1516128.7/24

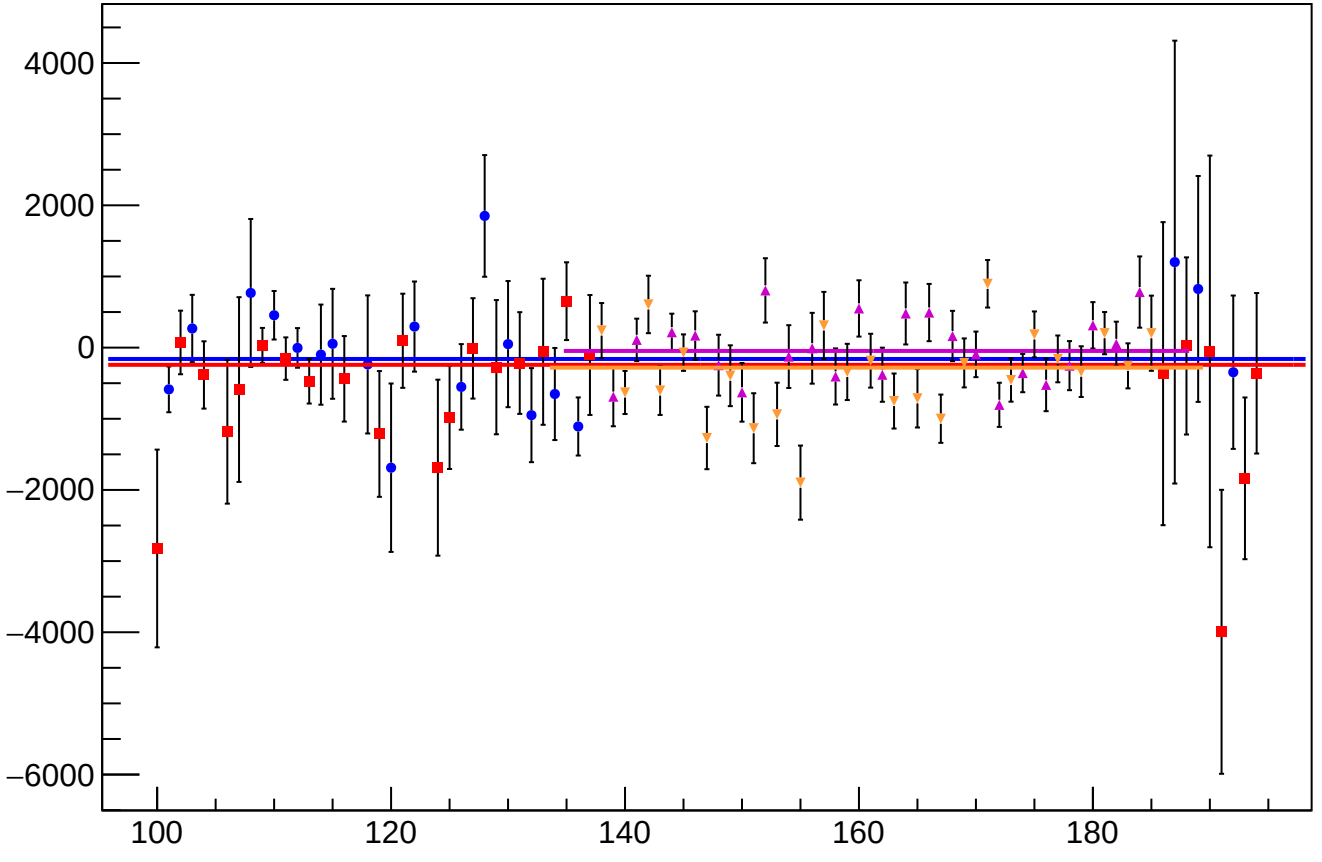
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 73.447+/-0.010 χ^2/NDF: 1610507.7/43

All: 74.081+/-0.007 χ^2/NDF: 3706657.9/91

- sign 74.715+/-0.010 χ^2/NDF: 2088055.1/47

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: -241.681+/-117.758 χ^2/NDF: 19.2/24

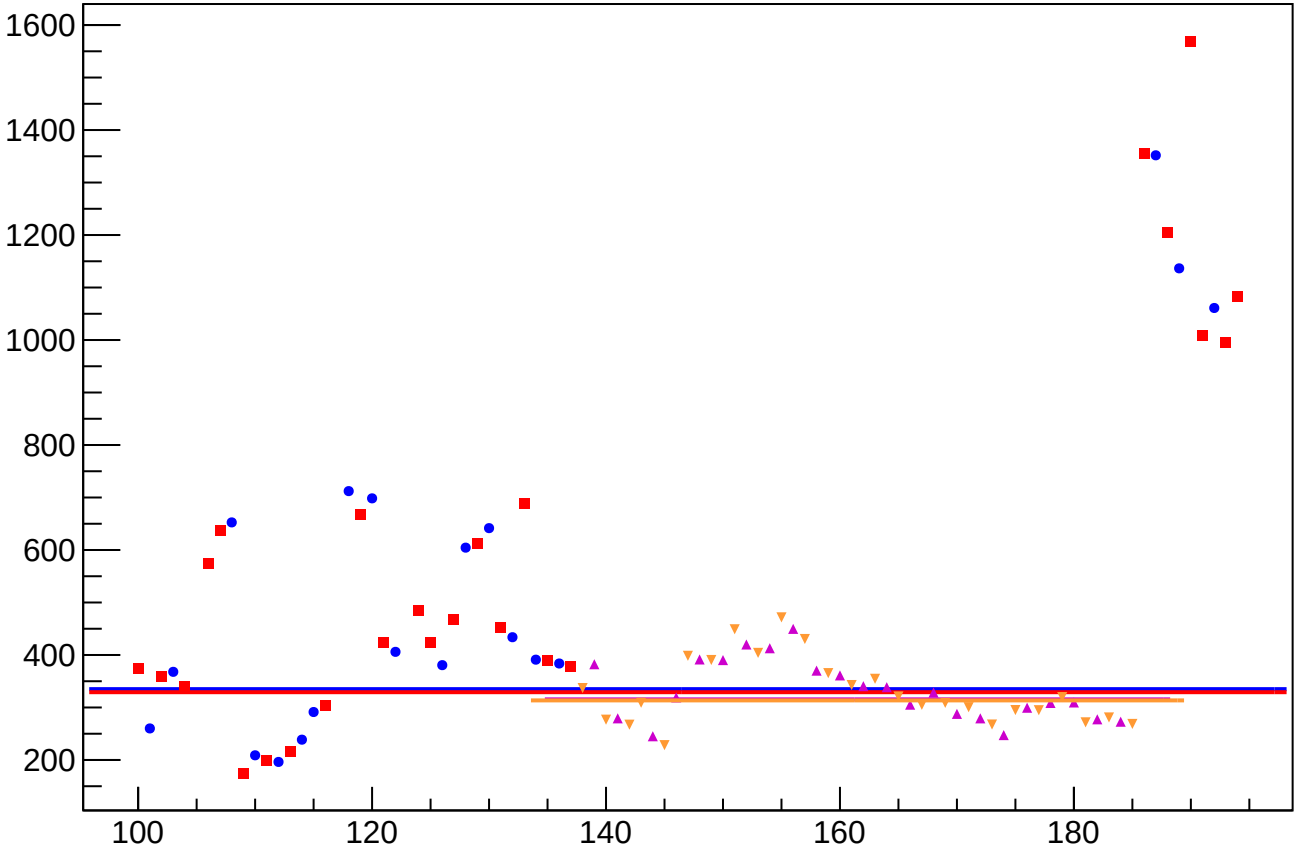
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -251.246+/-62.990 χ^2/NDF: 80.8/43

All: -177.249+/-44.614 χ^2/NDF: 135.5/91

- sign -102.764+/-63.198 χ^2/NDF: 51.9/47

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: 329.127+/-0.083 χ^2/NDF: 6358571.1/24

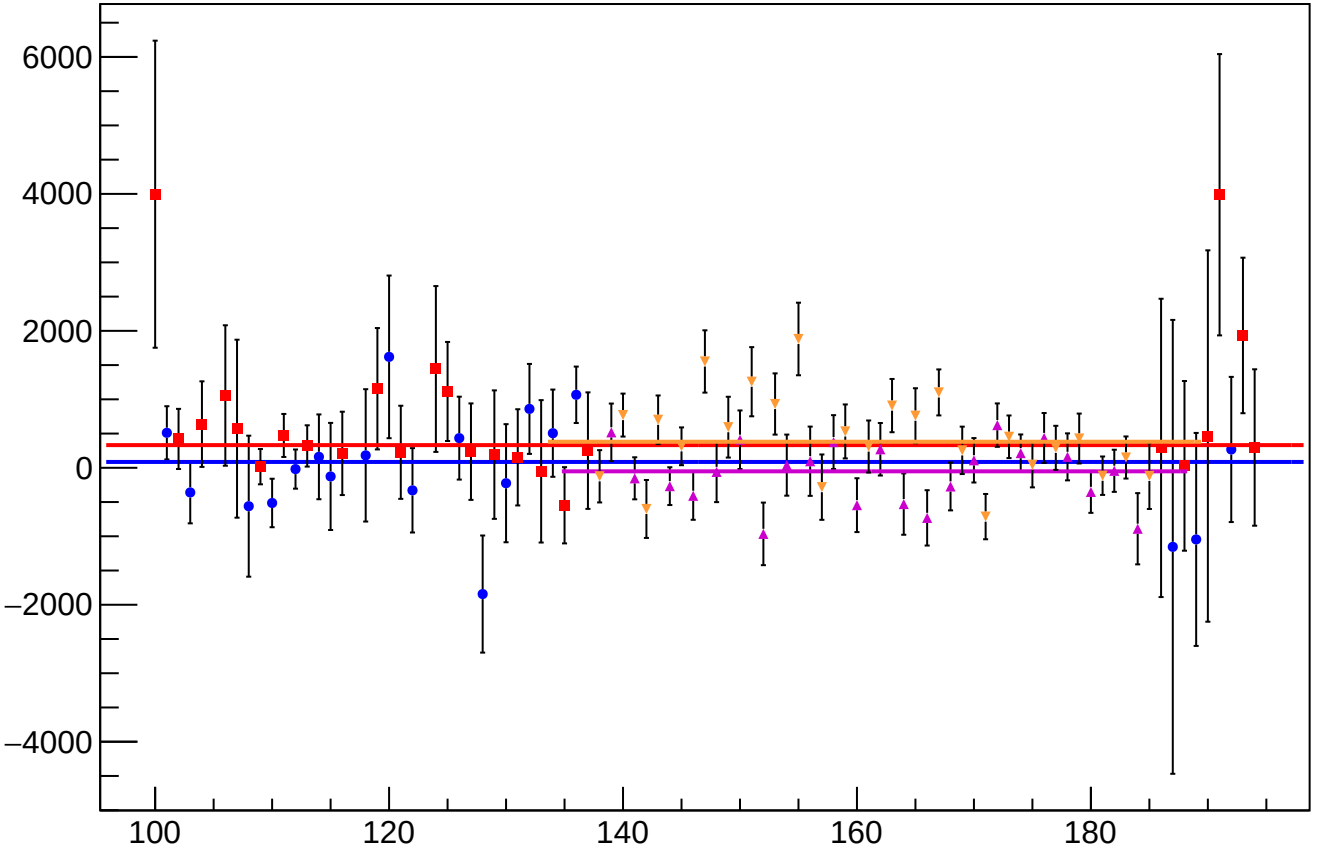
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 318.776+/-0.045 χ^2/NDF: 5022456.6/43

All: 319.084+/-0.032 χ^2/NDF: 12408838.2/91

- sign 319.393+/-0.045 χ^2/NDF: 7386286.0/47

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: 331.354+/-121.356 χ^2/NDF: 16.1/24

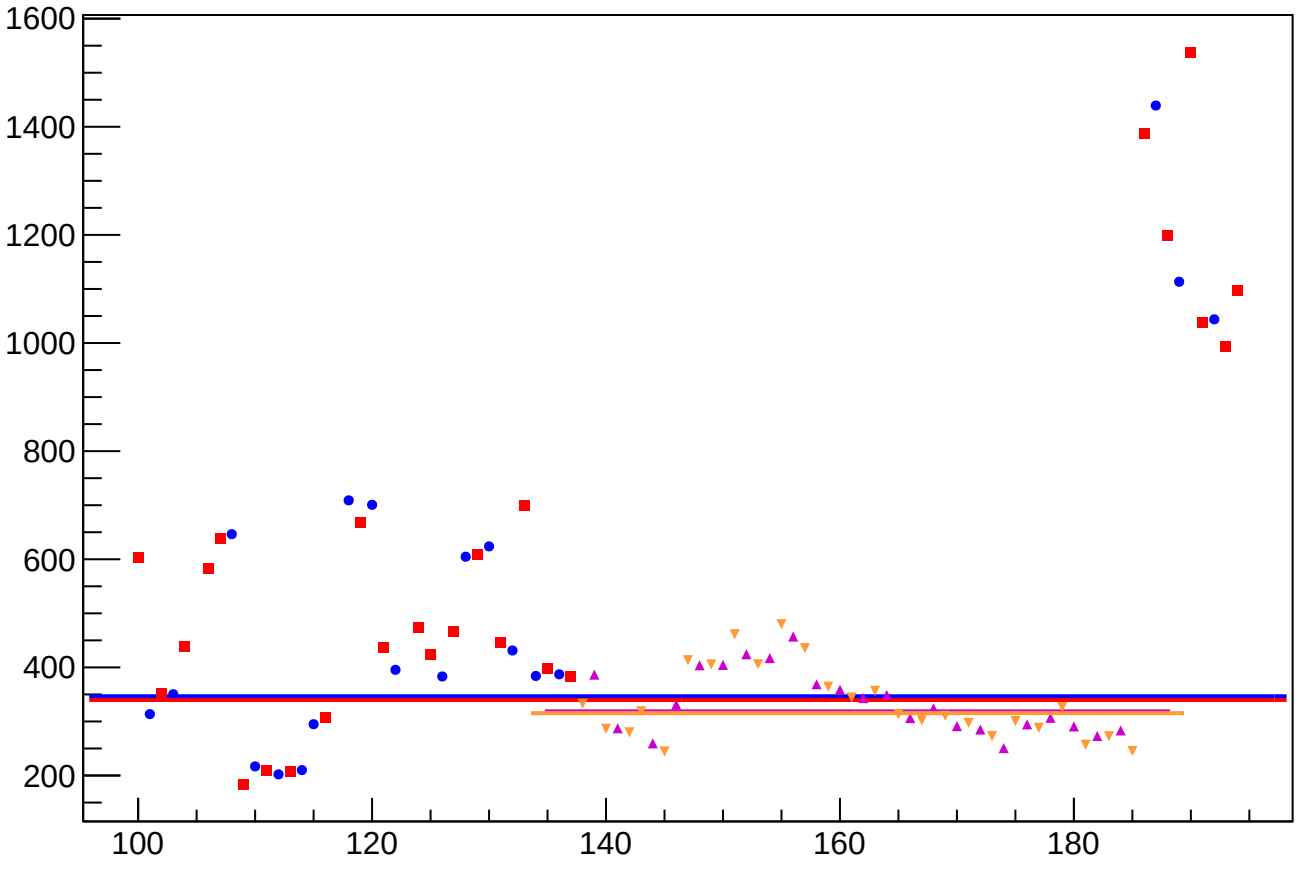
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 310.088+/-63.730 χ^2/NDF: 80.9/43

All: 183.758+/-45.224 χ^2/NDF: 140.2/91

- sign 55.617+/-64.185 χ^2/NDF: 51.4/47

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: 339.724+/-0.086 χ^2/NDF: 6265630.5/24

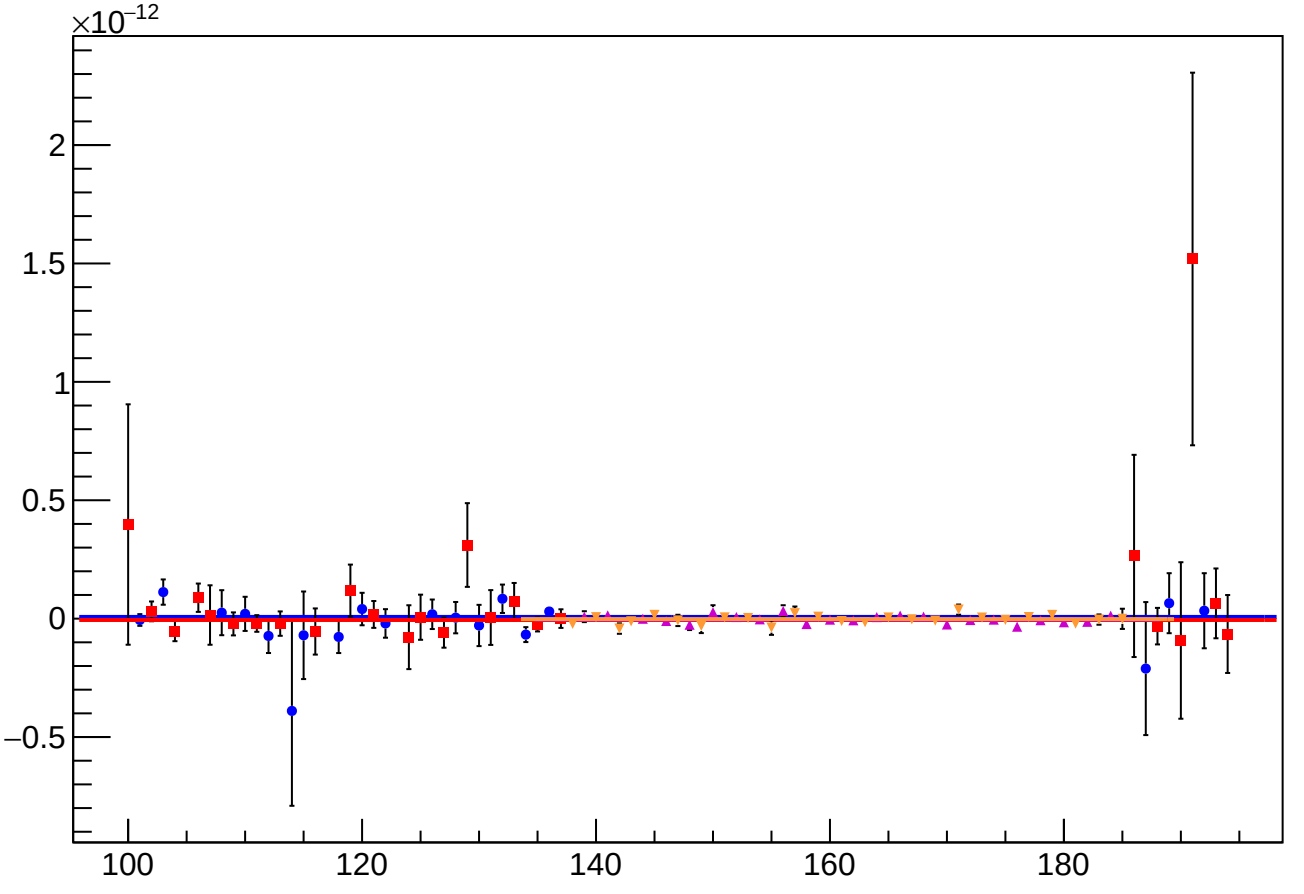
Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 322.858+/-0.045 χ^2/NDF: 4862398.8/43

All: 323.709+/-0.032 χ^2/NDF: 12163637.5/91

- sign 324.573+/-0.045 χ^2/NDF: 7300519.4/47

asym_sam7_reg_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:19.0/24

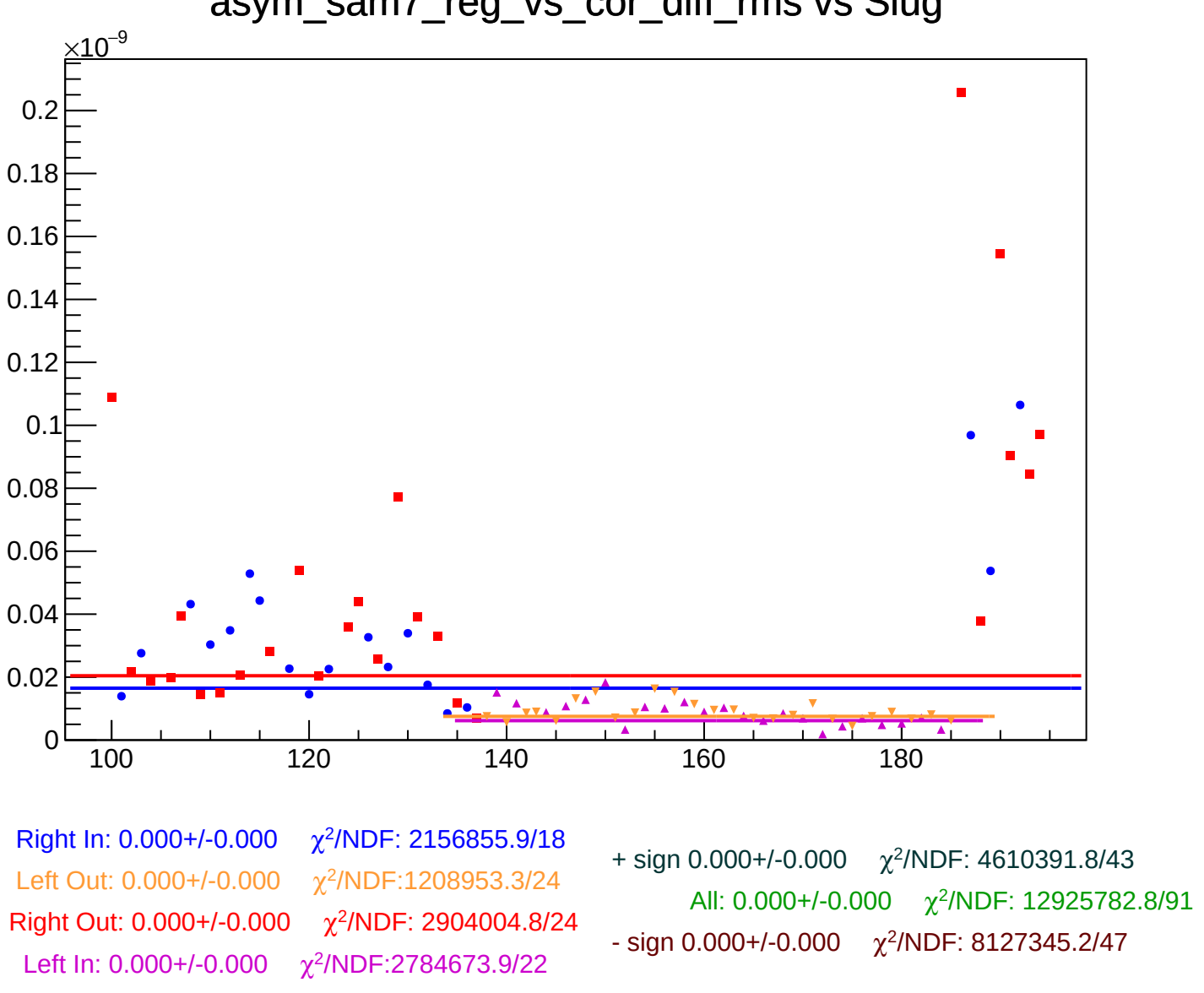
Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/24

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

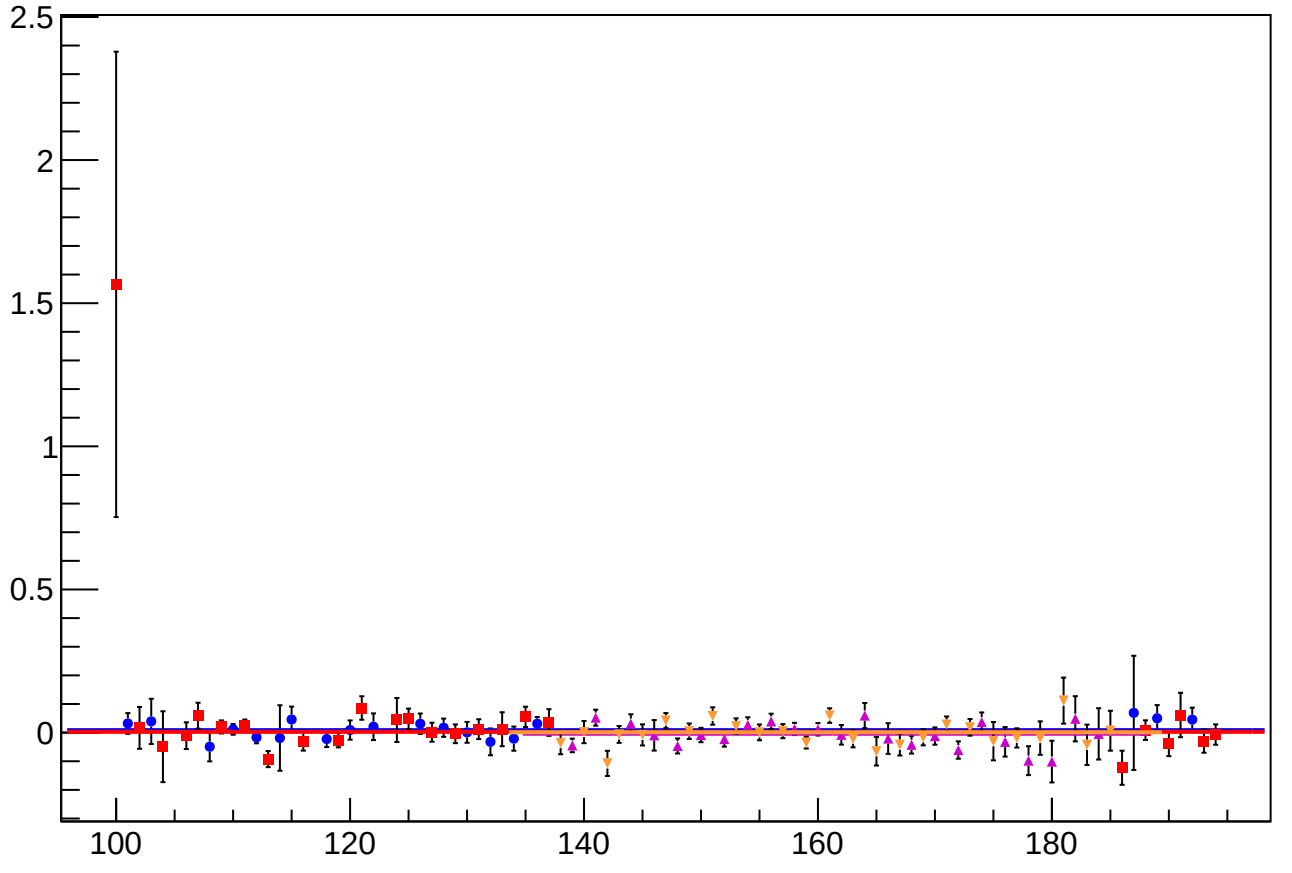
+ sign -0.000+/-0.000 χ^2/NDF: 38.2/43

All: -0.000+/-0.000 χ^2/NDF: 74.0/91

- sign -0.000+/-0.000 χ^2/NDF: 35.2/47


asym_sam7_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: 2156855.9/18
Left Out: 0.000+/-0.000 χ²/NDF:1208953.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 2904004.8/24
Left In: 0.000+/-0.000 χ²/NDF:2784673.9/22
+ sign 0.000+/-0.000 χ²/NDF: 4610391.8/43
All: 0.000+/-0.000 χ²/NDF: 12925782.8/91
- sign 0.000+/-0.000 χ²/NDF: 8127345.2/47

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+/-0.007 χ^2/NDF: 36.8/24

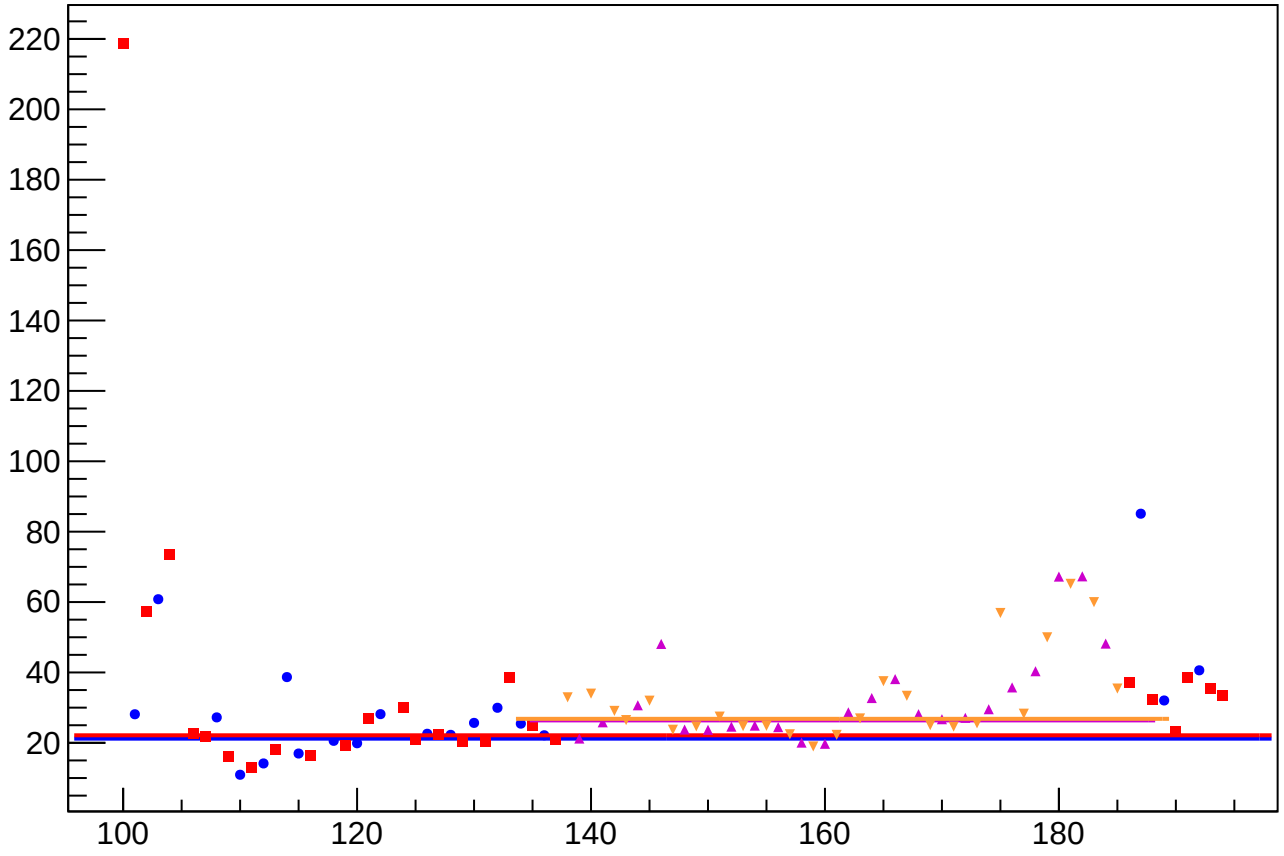
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/43

All: 0.002+/-0.004 χ^2/NDF: 109.4/91

- sign -0.001+/-0.005 χ^2/NDF: 68.4/47

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: 22.143+/-0.005 χ^2/NDF: 2675738.6/24

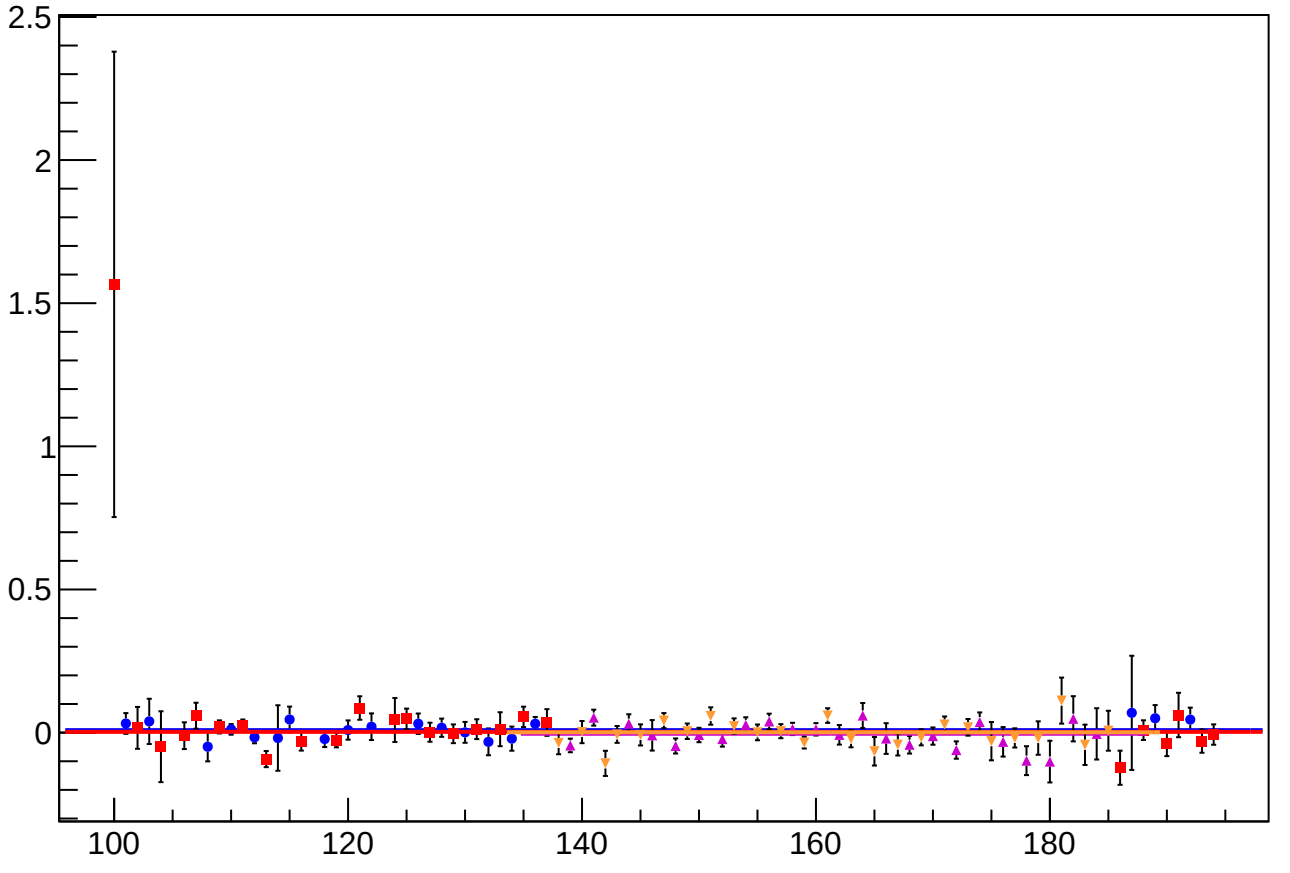
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.548+/-0.004 χ^2/NDF: 5509163.4/43

All: 24.517+/-0.002 χ^2/NDF: 11118290.3/91

- sign 24.487+/-0.003 χ^2/NDF: 5608977.5/47

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+/-0.007 χ^2/NDF: 36.8/24

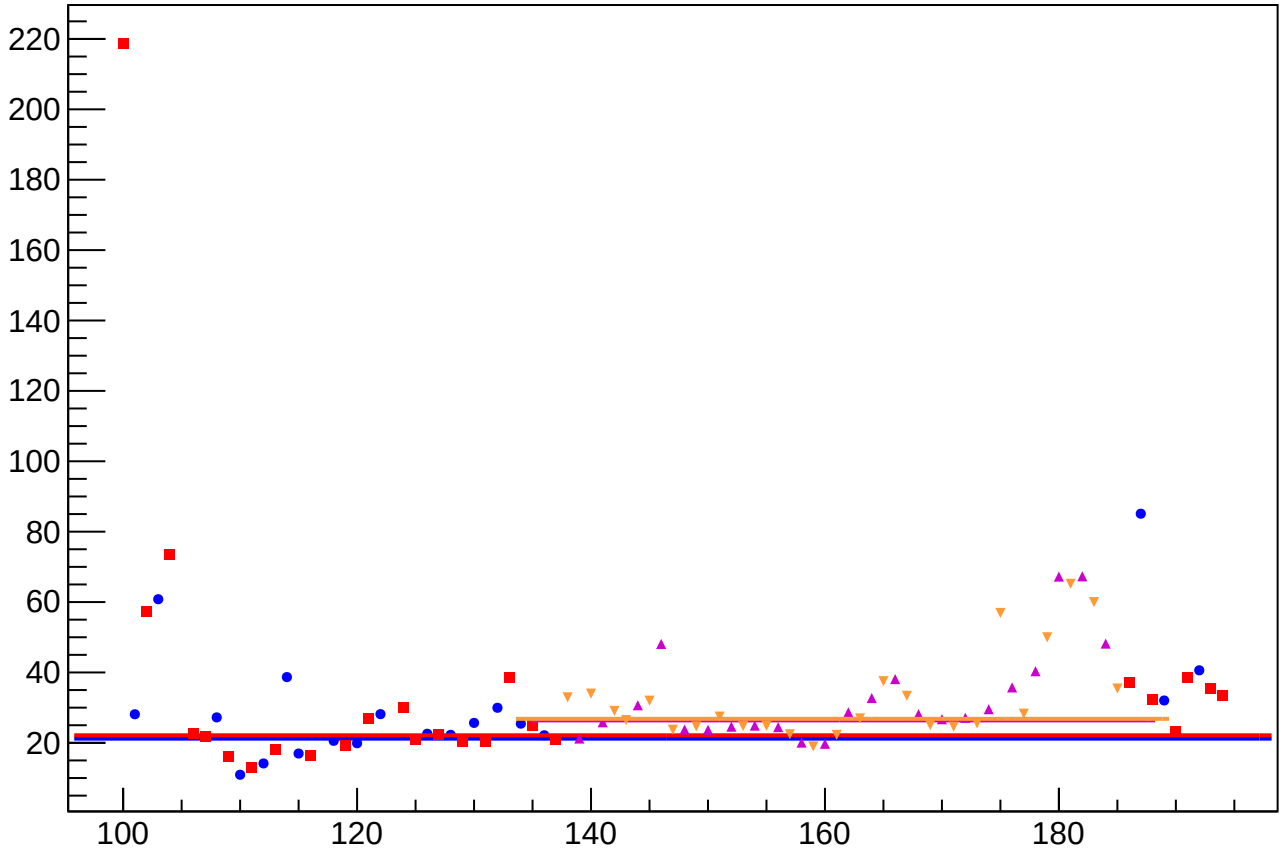
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/43

All: 0.002+/-0.004 χ^2/NDF: 109.4/91

- sign -0.001+/-0.005 χ^2/NDF: 68.4/47

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

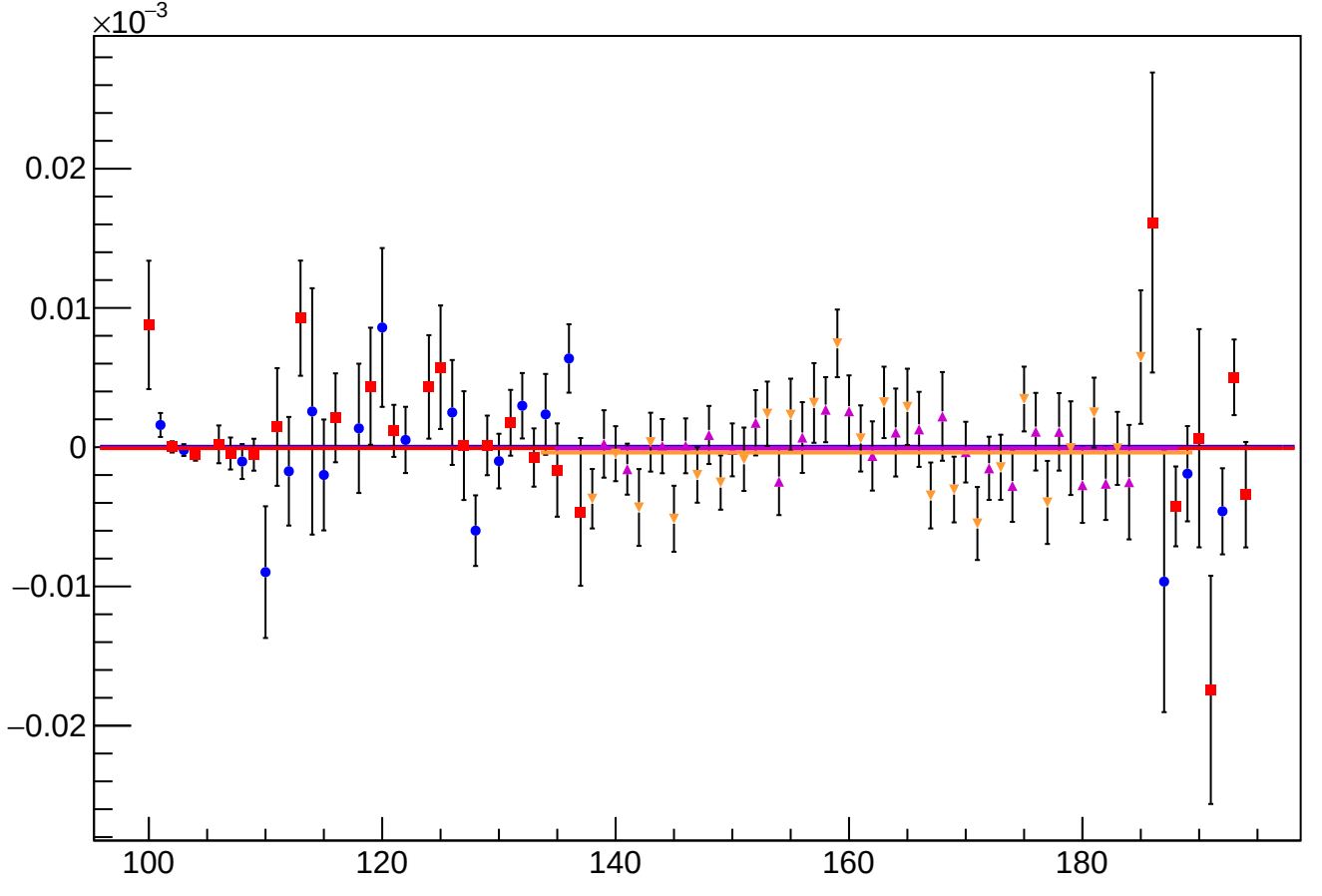
Right Out: 22.143+/-0.005 χ^2/NDF: 2675738.6/24

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.548+/-0.004 χ^2/NDF: 5509163.4/43

All: 24.517+/-0.002 χ^2/NDF: 11118290.3/91

- sign 24.487+/-0.003 χ^2/NDF: 5608977.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/24

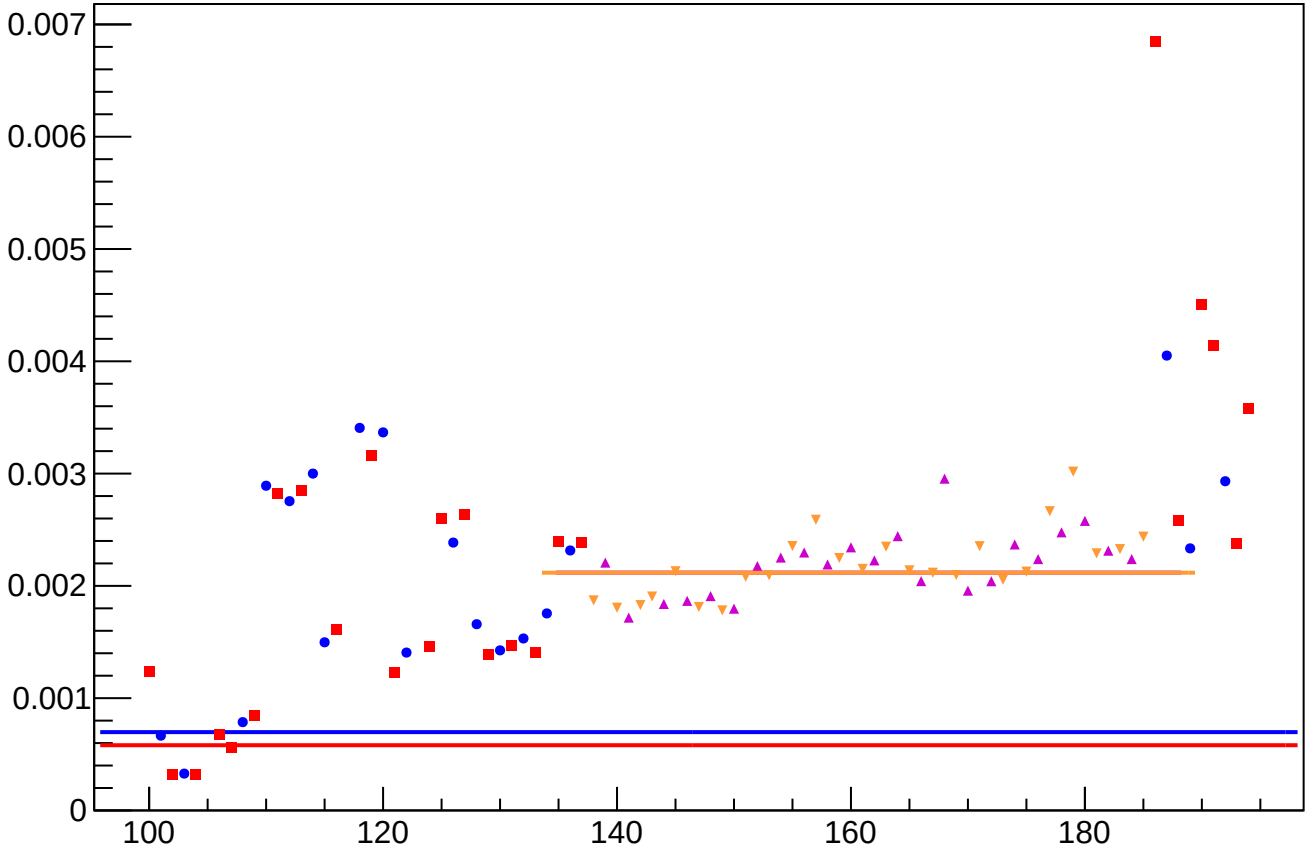
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.3/43

All: -0.000+/-0.000 χ^2/NDF: 113.8/91

- sign -0.000+/-0.000 χ^2/NDF: 40.5/47

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: 11437965.4/24

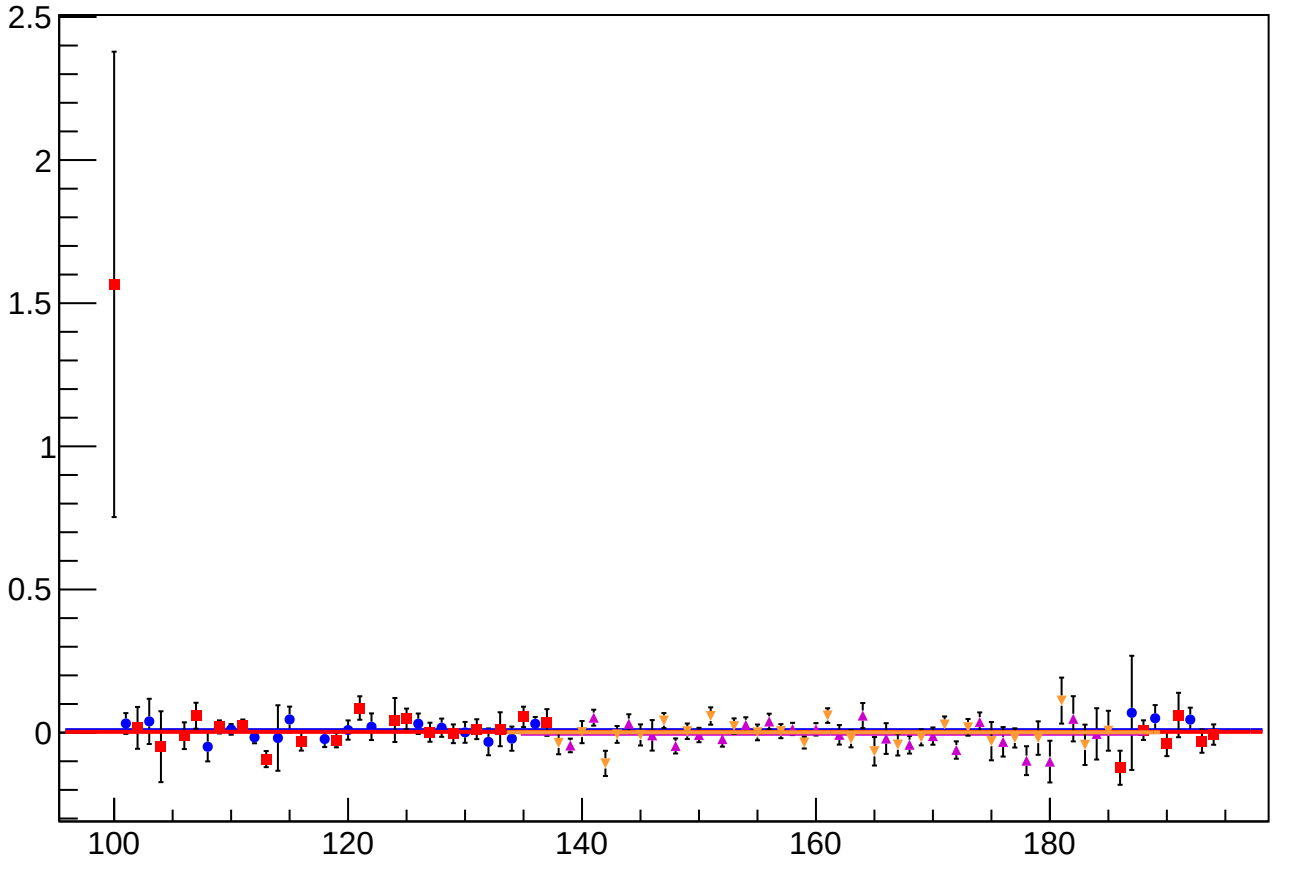
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 20404238.8/43

All: 0.001+/-0.000 χ^2/NDF: 48297973.2/91

- sign 0.001+/-0.000 χ^2/NDF: 26967456.8/47

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+/-0.007 χ^2/NDF: 36.8/24

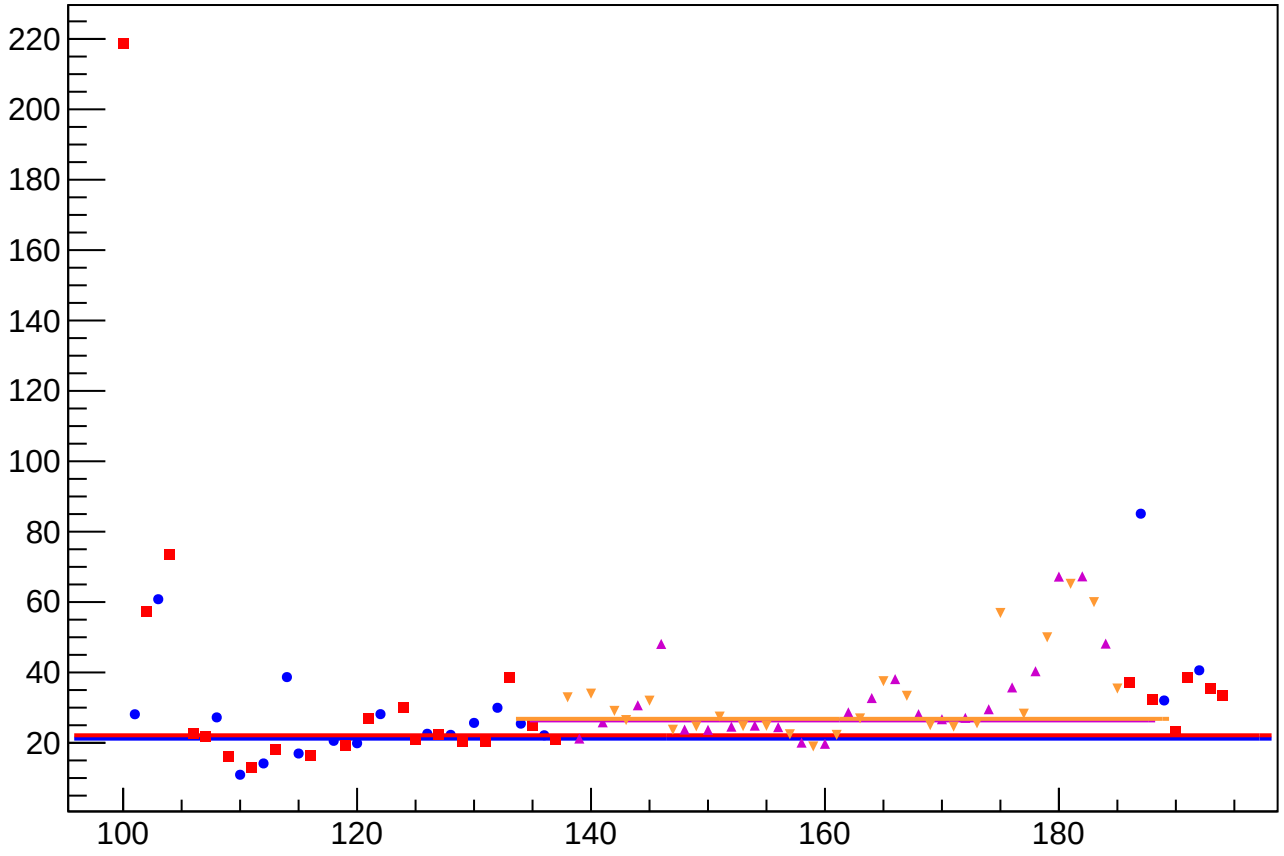
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/43

All: 0.002+/-0.004 χ^2/NDF: 109.4/91

- sign -0.001+/-0.005 χ^2/NDF: 68.4/47

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: 22.144+/-0.005 χ^2/NDF: 2675574.6/24

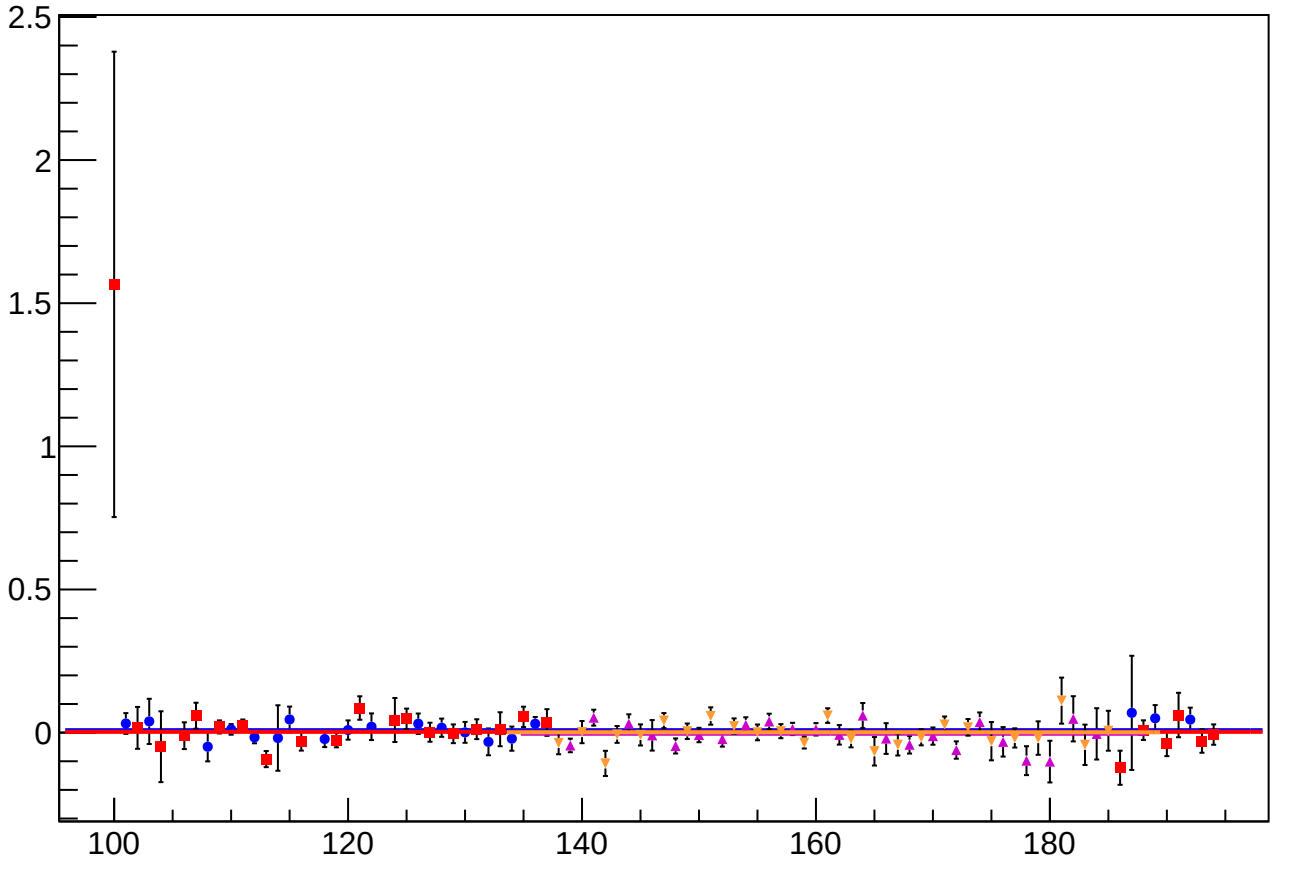
Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.548+/-0.004 χ^2/NDF: 5508902.1/43

All: 24.517+/-0.002 χ^2/NDF: 11117920.0/91

- sign 24.487+/-0.003 χ^2/NDF: 5608867.5/47

asym_sam7_eigen_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+/-0.007 χ^2/NDF: 36.8/24

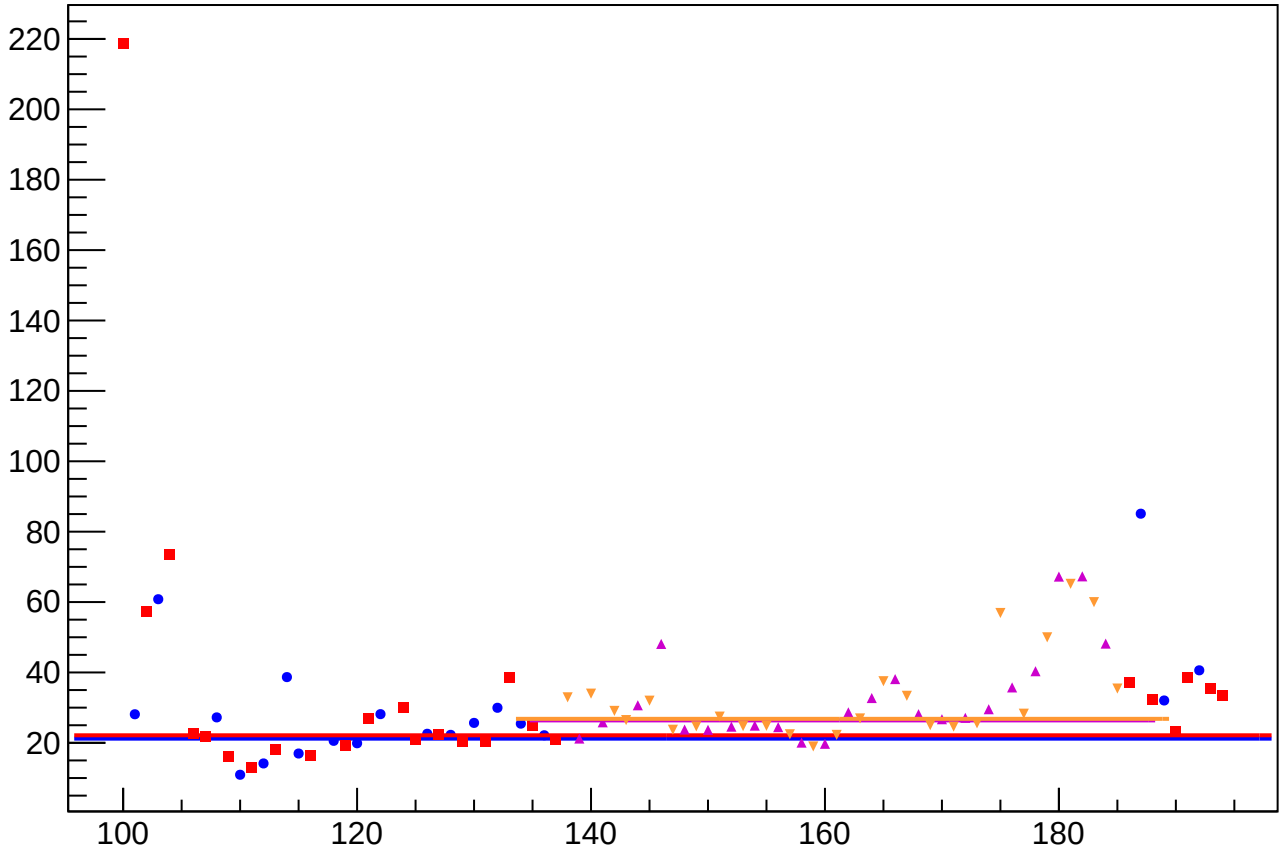
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.004+/-0.005 χ^2/NDF: 40.5/43

All: 0.002+/-0.004 χ^2/NDF: 109.4/91

- sign -0.001+/-0.005 χ^2/NDF: 68.4/47

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

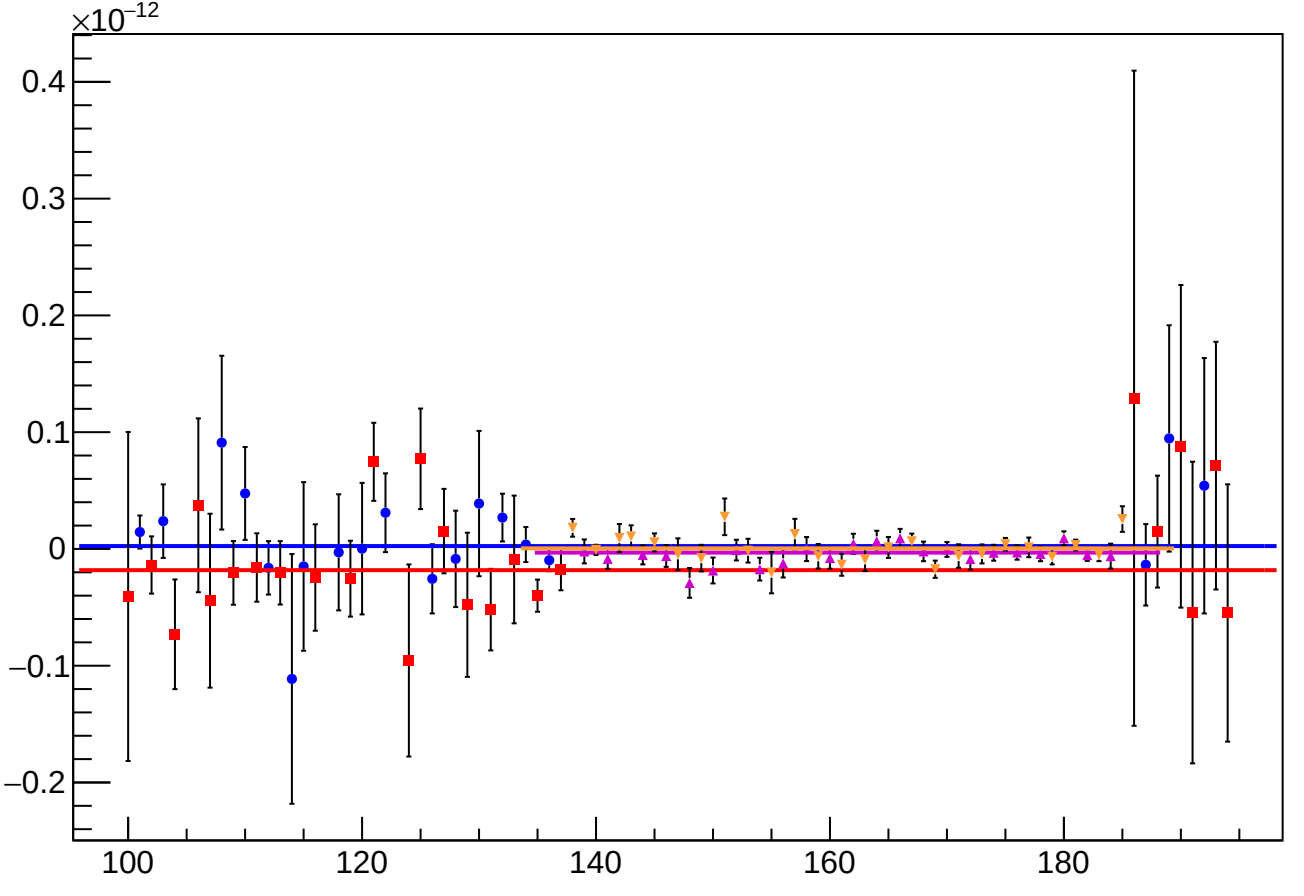
Right Out: 22.144+/-0.005 χ^2/NDF: 2675574.6/24

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.548+/-0.004 χ^2/NDF: 5508902.1/43

All: 24.517+/-0.002 χ^2/NDF: 11117920.0/91

- sign 24.487+/-0.003 χ^2/NDF: 5608867.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 12.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/24

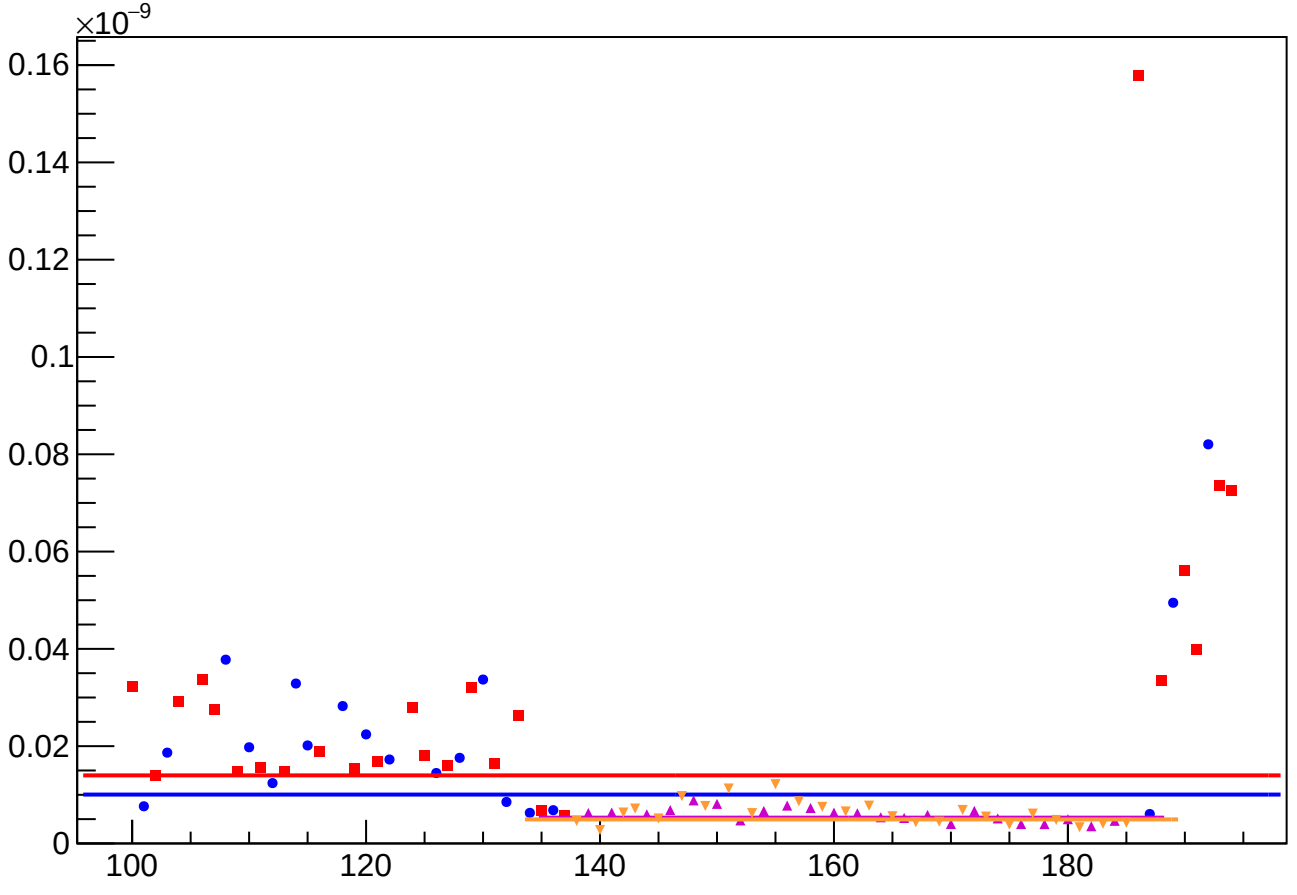
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.9/43

All: -0.000+/-0.000 χ^2/NDF: 95.2/91

- sign -0.000+/-0.000 χ^2/NDF: 46.0/47

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: 4180119.7/24

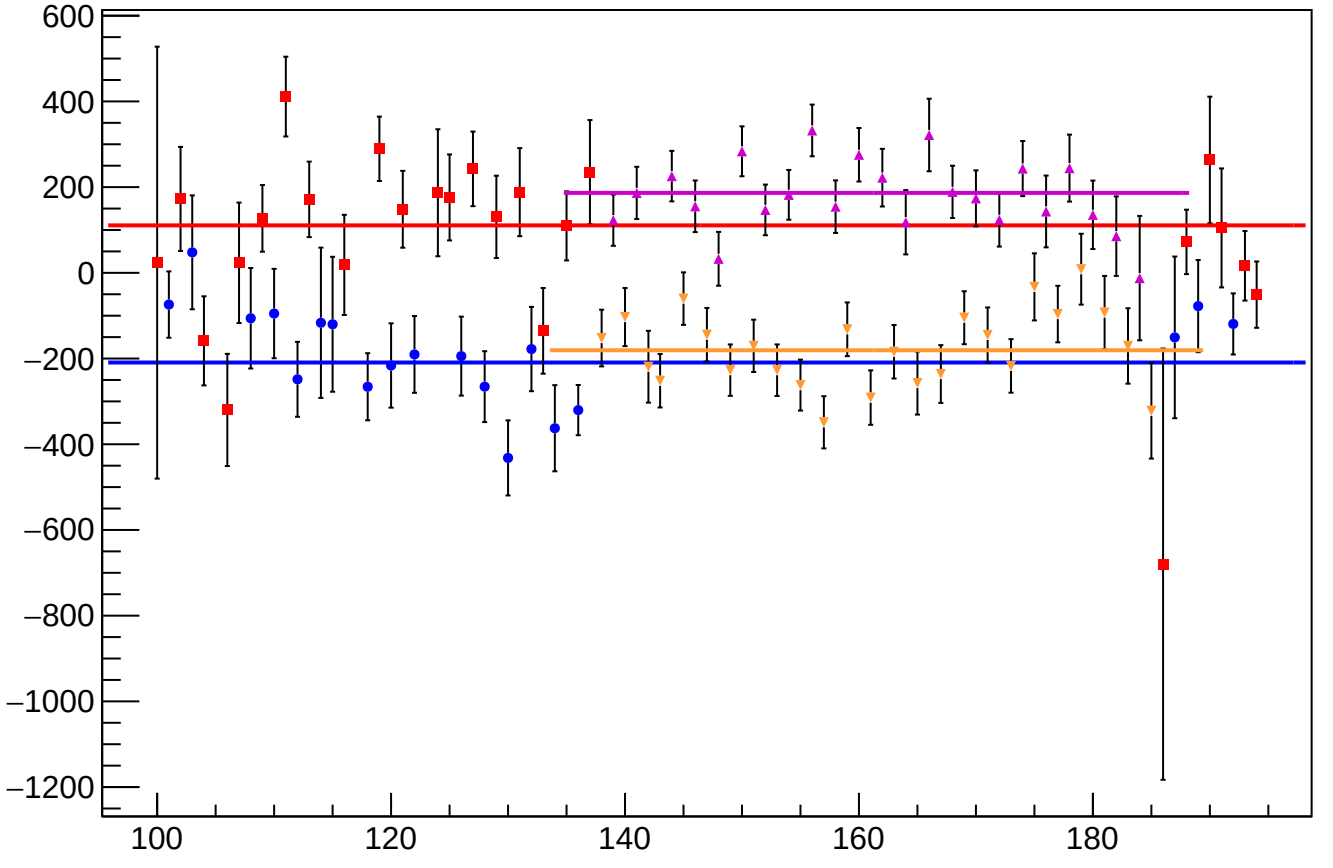
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7484515.0/43

All: 0.000+/-0.000 χ^2/NDF: 15972032.1/91

- sign 0.000+/-0.000 χ^2/NDF: 8397682.3/47

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: 110.768+/-20.175 χ^2/NDF: 55.8/24

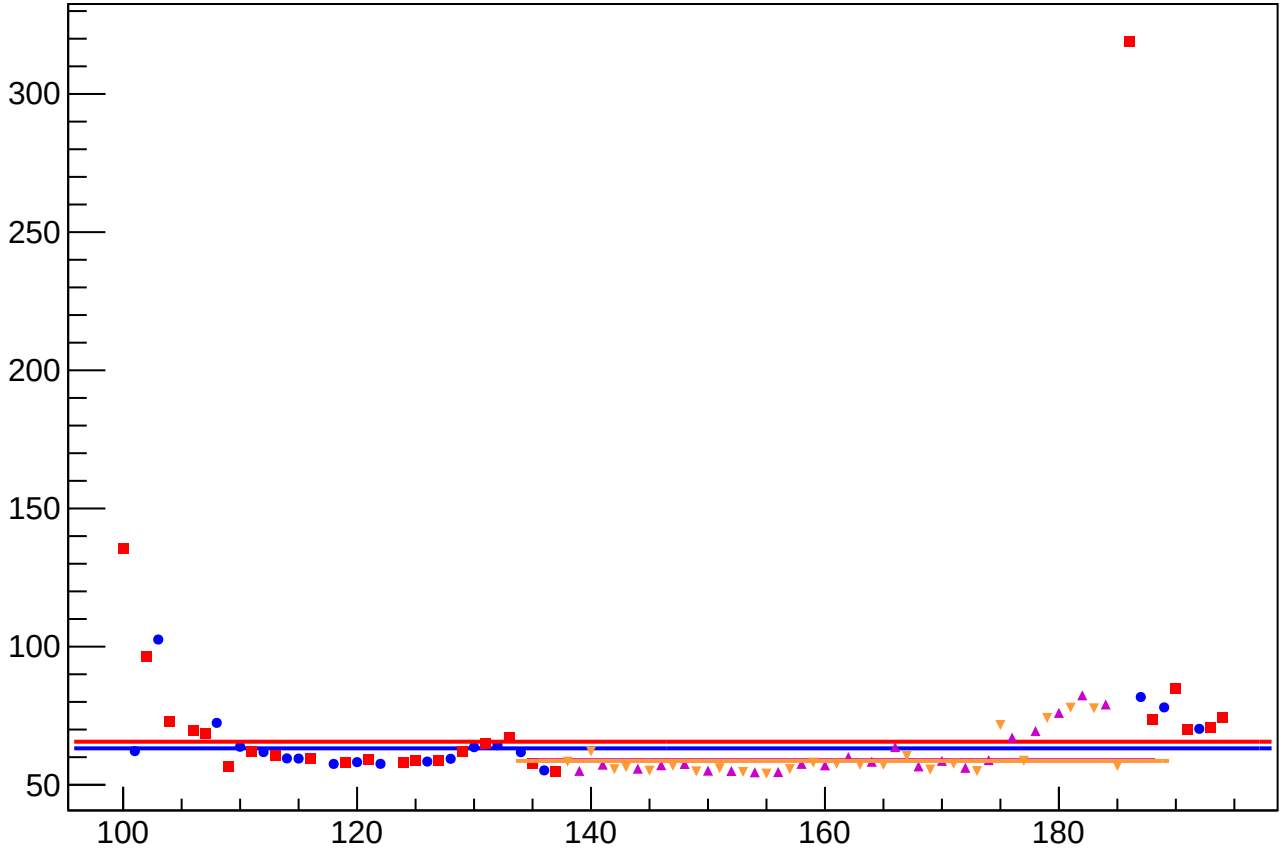
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -188.748+/-11.370 χ^2/NDF: 66.2/43

All: -14.078+/-8.059 χ^2/NDF: 634.9/91

- sign 162.264+/-11.424 χ^2/NDF: 94.4/47

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: 65.595+/-0.014 χ^2/NDF: 917351.6/24

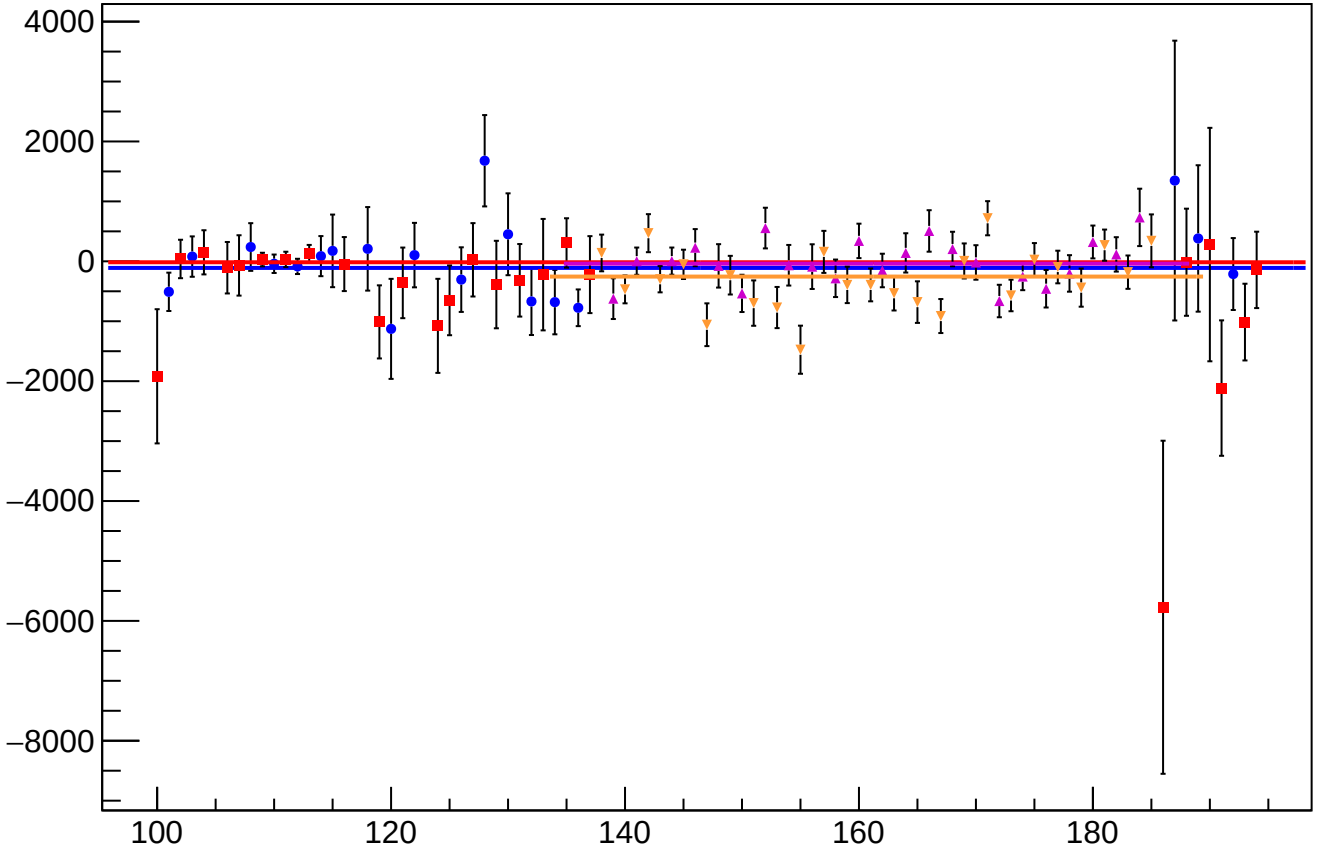
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.927+/-0.008 χ^2/NDF: 797272.3/43

All: 60.486+/-0.006 χ^2/NDF: 2260526.9/91

- sign 61.051+/-0.008 χ^2/NDF: 1453529.5/47

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: -15.791+/-62.996 χ^2/NDF: 22.0/24

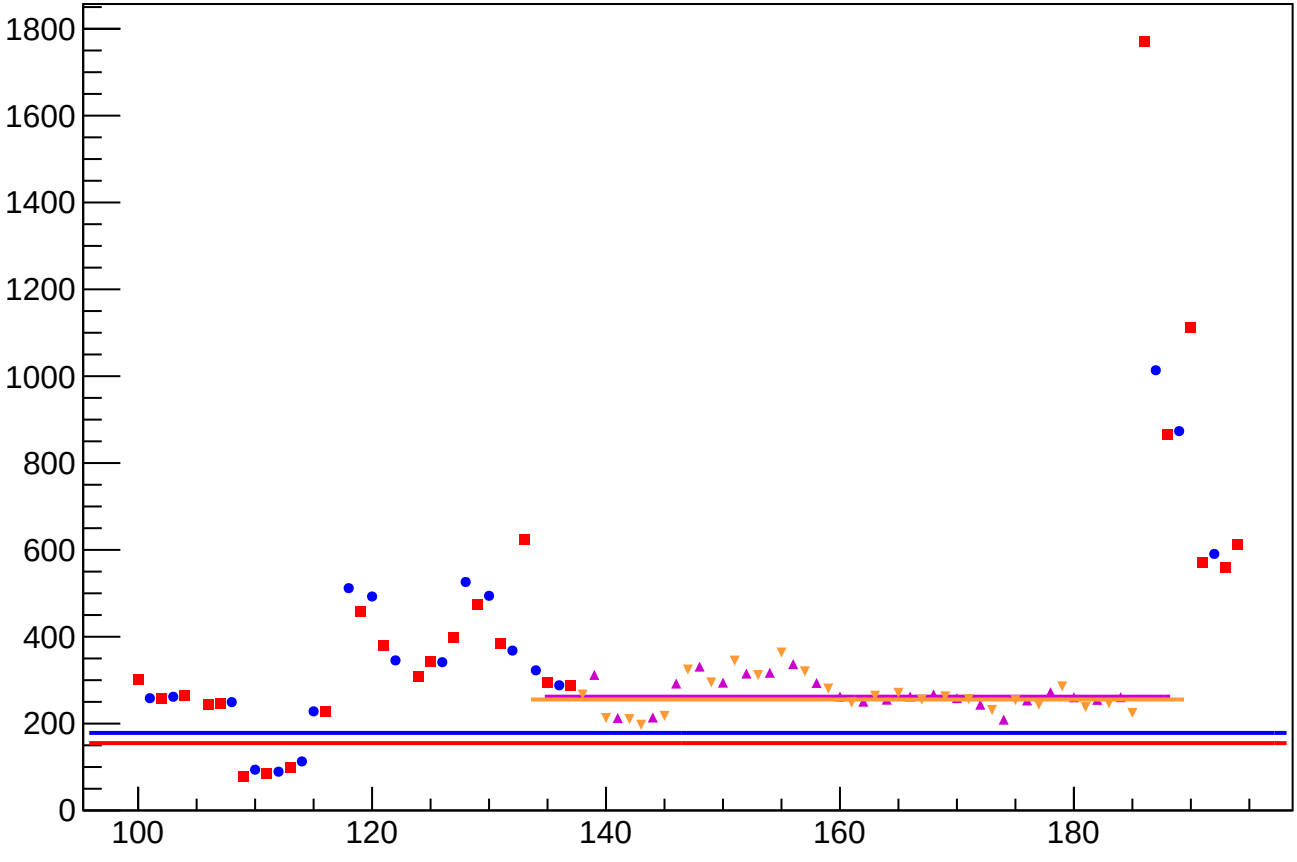
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -199.889+/-46.410 χ^2/NDF: 79.0/43

All: -109.481+/-31.986 χ^2/NDF: 136.6/91

- sign -27.677+/-44.146 χ^2/NDF: 50.4/47

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: 155.093+/-0.045 χ^2/NDF: 9799036.4/24

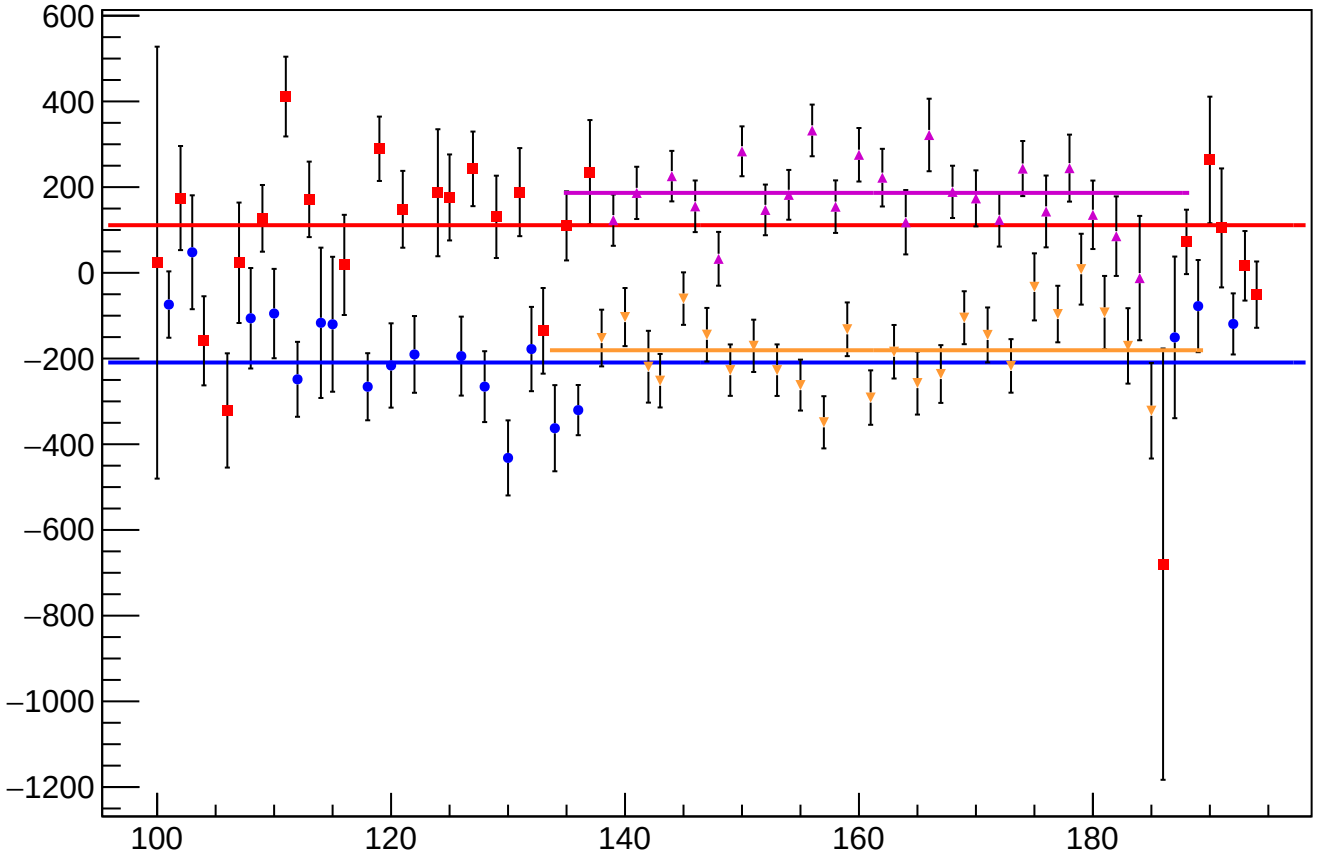
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 226.353+/-0.033 χ^2/NDF: 8582708.7/43

All: 217.507+/-0.023 χ^2/NDF: 22122405.7/91

- sign 209.503+/-0.031 χ^2/NDF: 13401288.8/47

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: 111.164+/-20.184 χ^2/NDF: 55.5/24

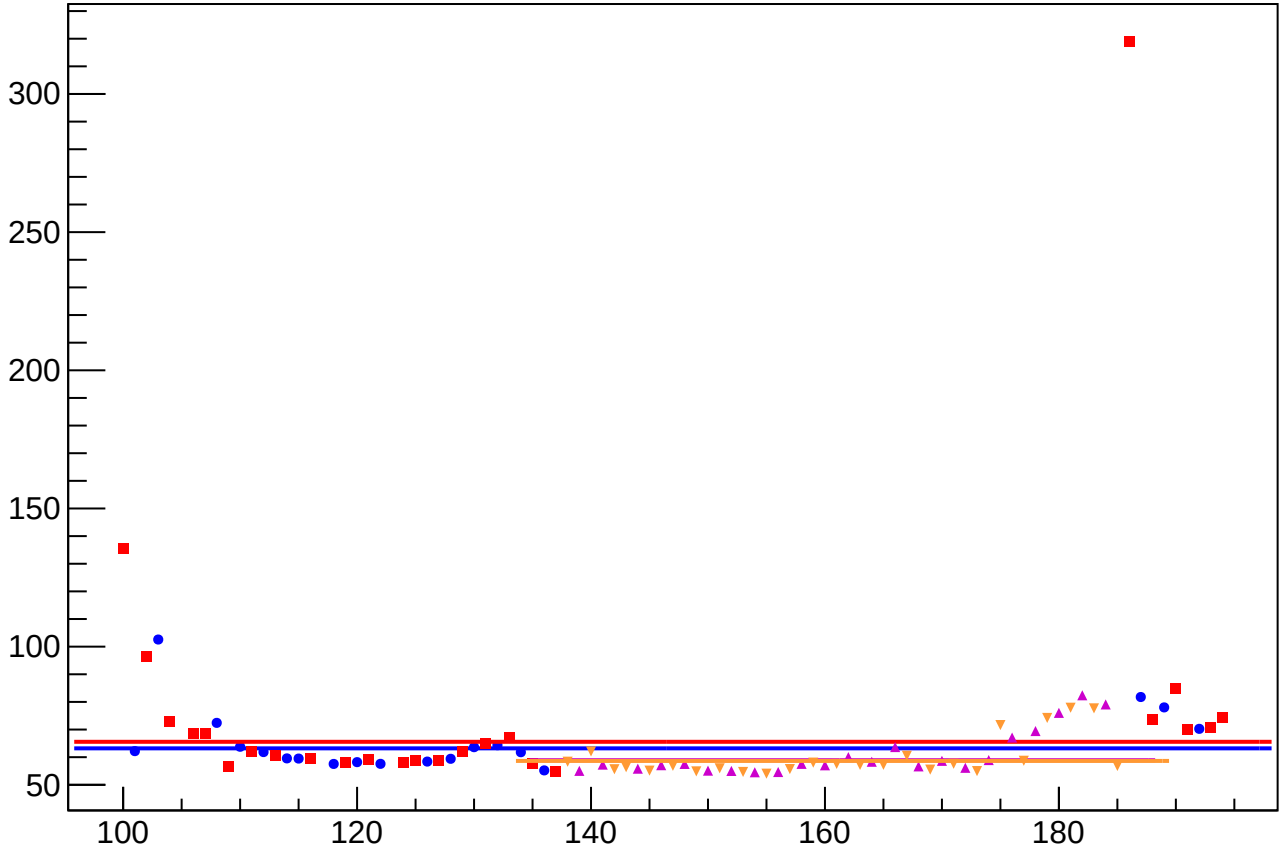
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -188.744+/-11.370 χ^2/NDF: 66.2/43

All: -14.030+/-8.059 χ^2/NDF: 634.8/91

- sign 162.405+/-11.425 χ^2/NDF: 94.0/47

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: 65.565+/-0.014 χ^2/NDF: 916570.9/24

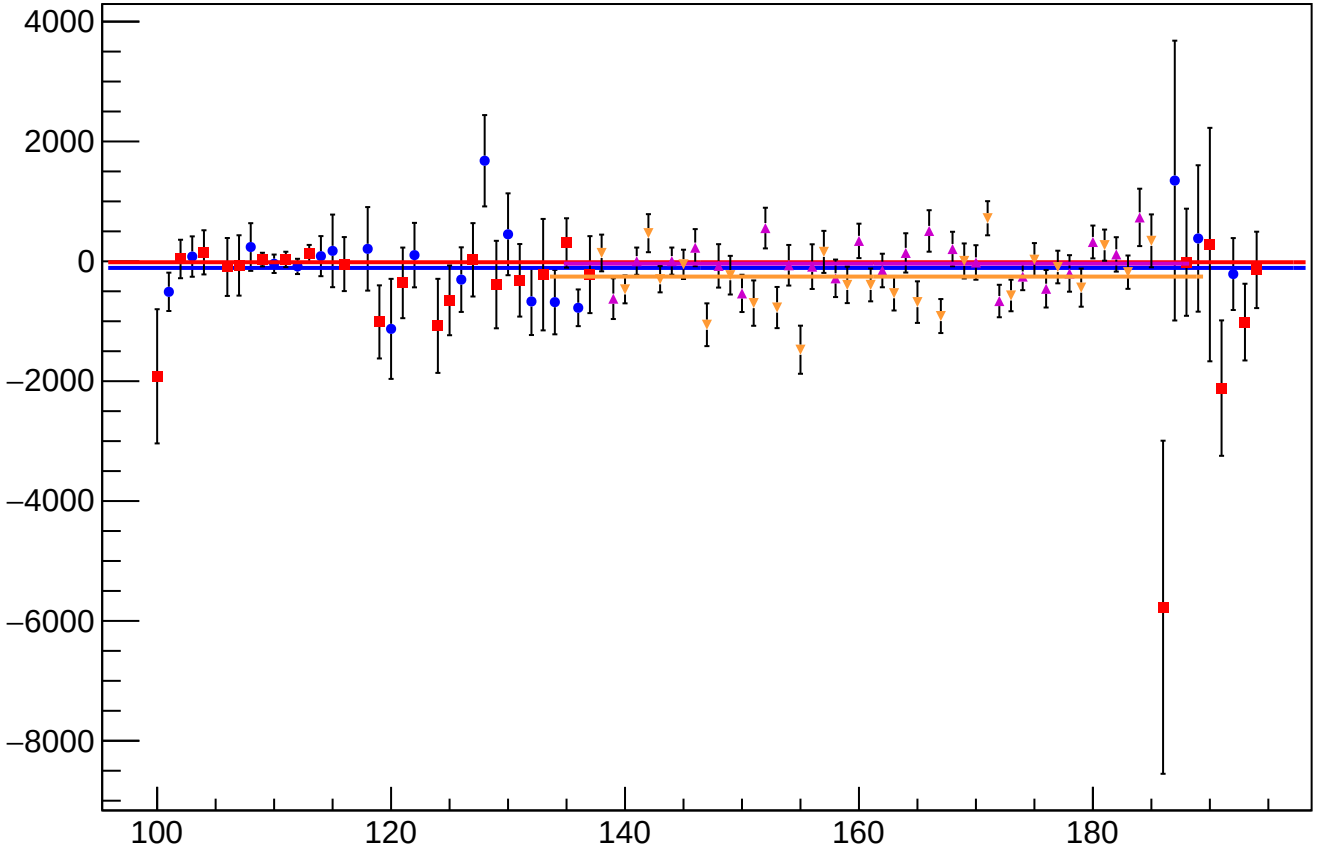
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.927+/-0.008 χ^2/NDF: 797274.9/43

All: 60.481+/-0.006 χ^2/NDF: 2258142.3/91

- sign 61.040+/-0.008 χ^2/NDF: 1451330.4/47

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: -15.185+/-63.141 χ^2/NDF: 22.0/24

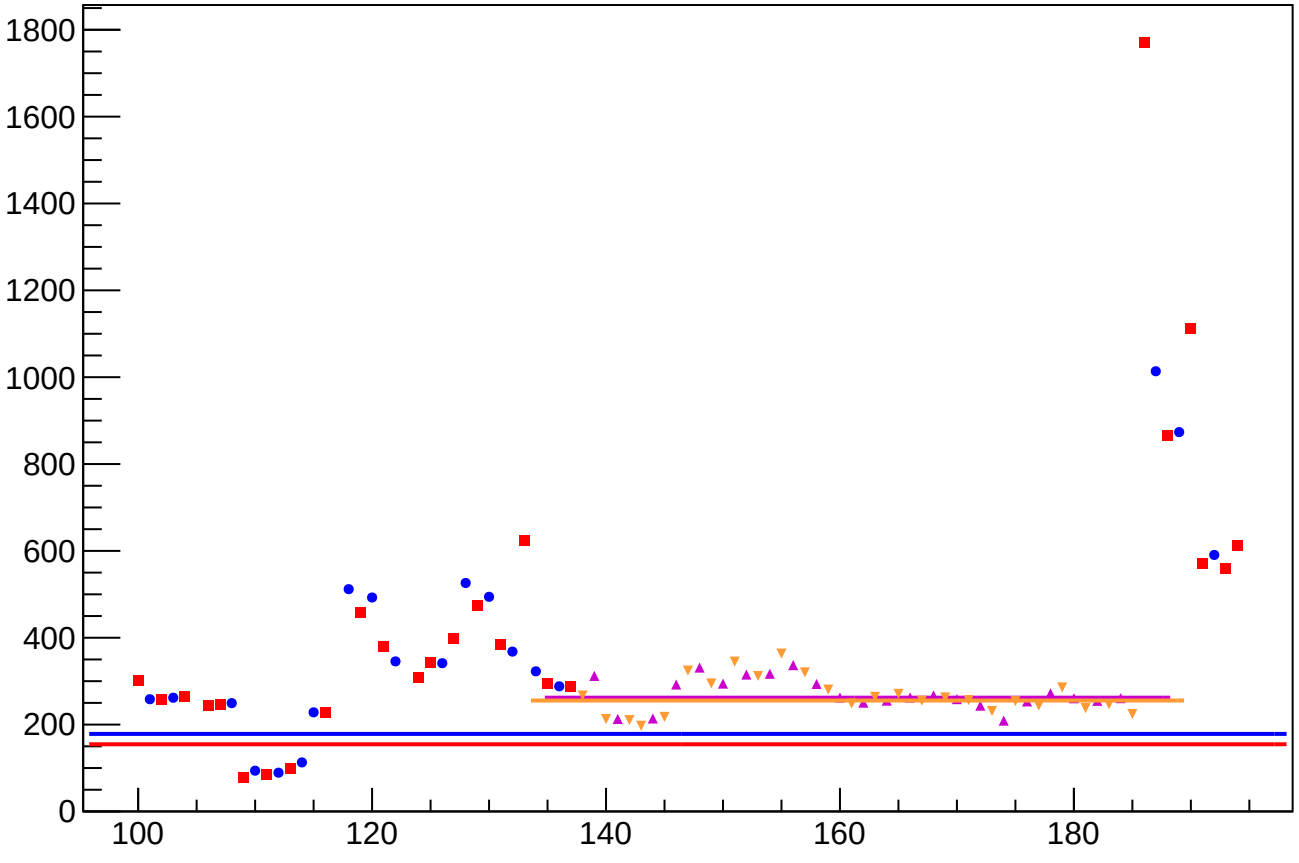
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -199.881+/-46.410 χ^2/NDF: 79.0/43

All: -109.432+/-32.005 χ^2/NDF: 136.6/91

- sign -27.406+/-44.196 χ^2/NDF: 50.4/47

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: 154.691+/-0.045 χ^2/NDF: 9781750.8/24

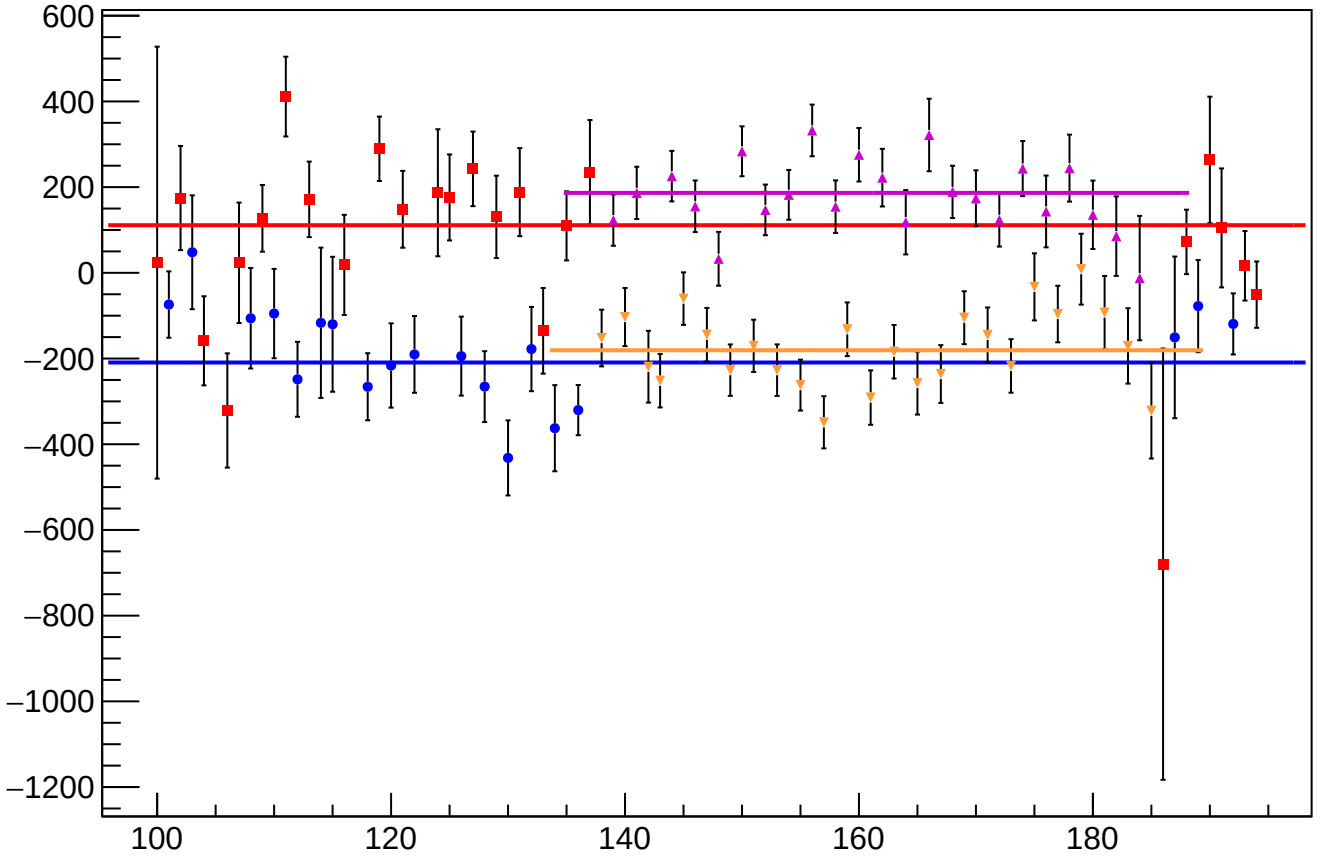
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 226.353+/-0.033 χ^2/NDF: 8582736.0/43

All: 217.478+/-0.023 χ^2/NDF: 22121413.5/91

- sign 209.429+/-0.031 χ^2/NDF: 13399196.9/47

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: 111.164+/-20.184 χ^2/NDF: 55.5/24

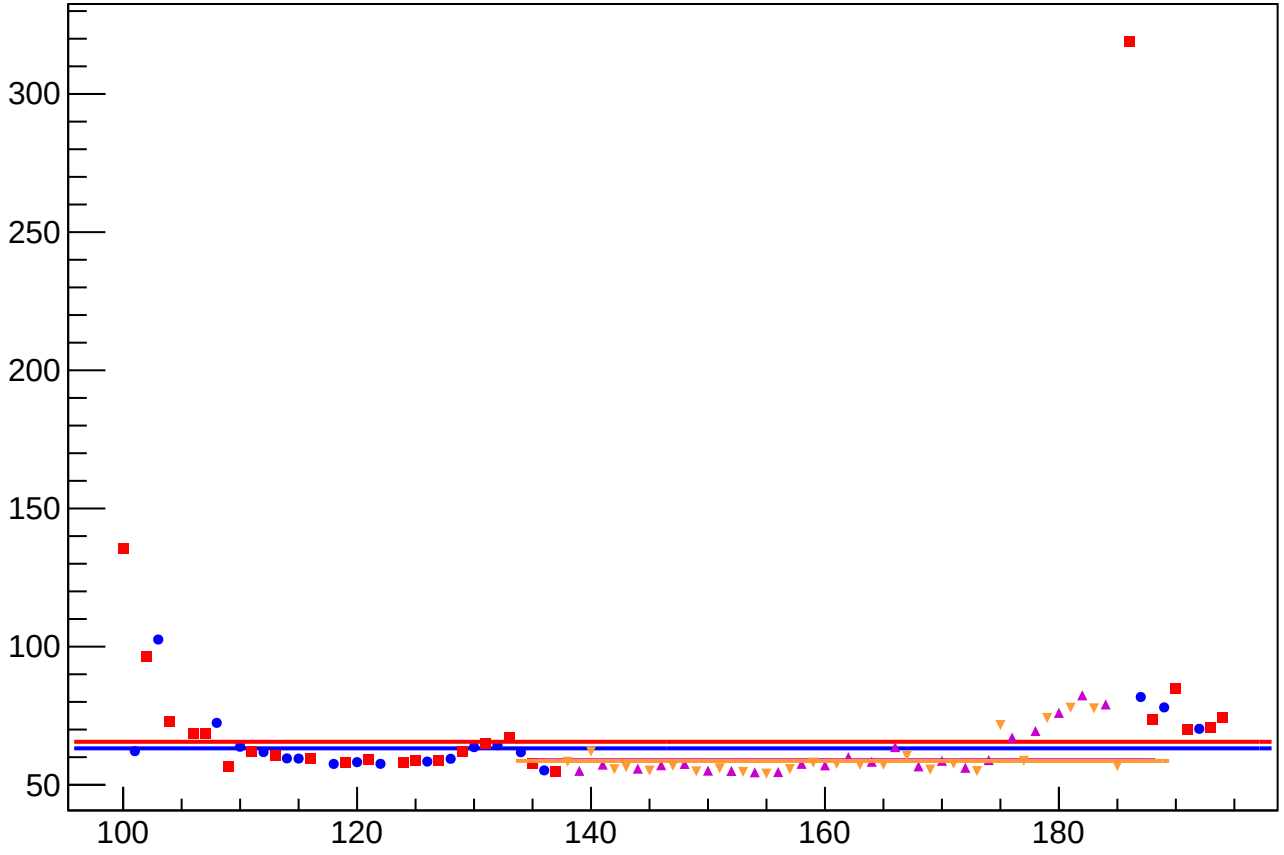
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -188.744+/-11.370 χ^2/NDF: 66.2/43

All: -14.030+/-8.059 χ^2/NDF: 634.8/91

- sign 162.405+/-11.425 χ^2/NDF: 94.0/47

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: 65.565+/-0.014 χ^2/NDF: 916570.9/24

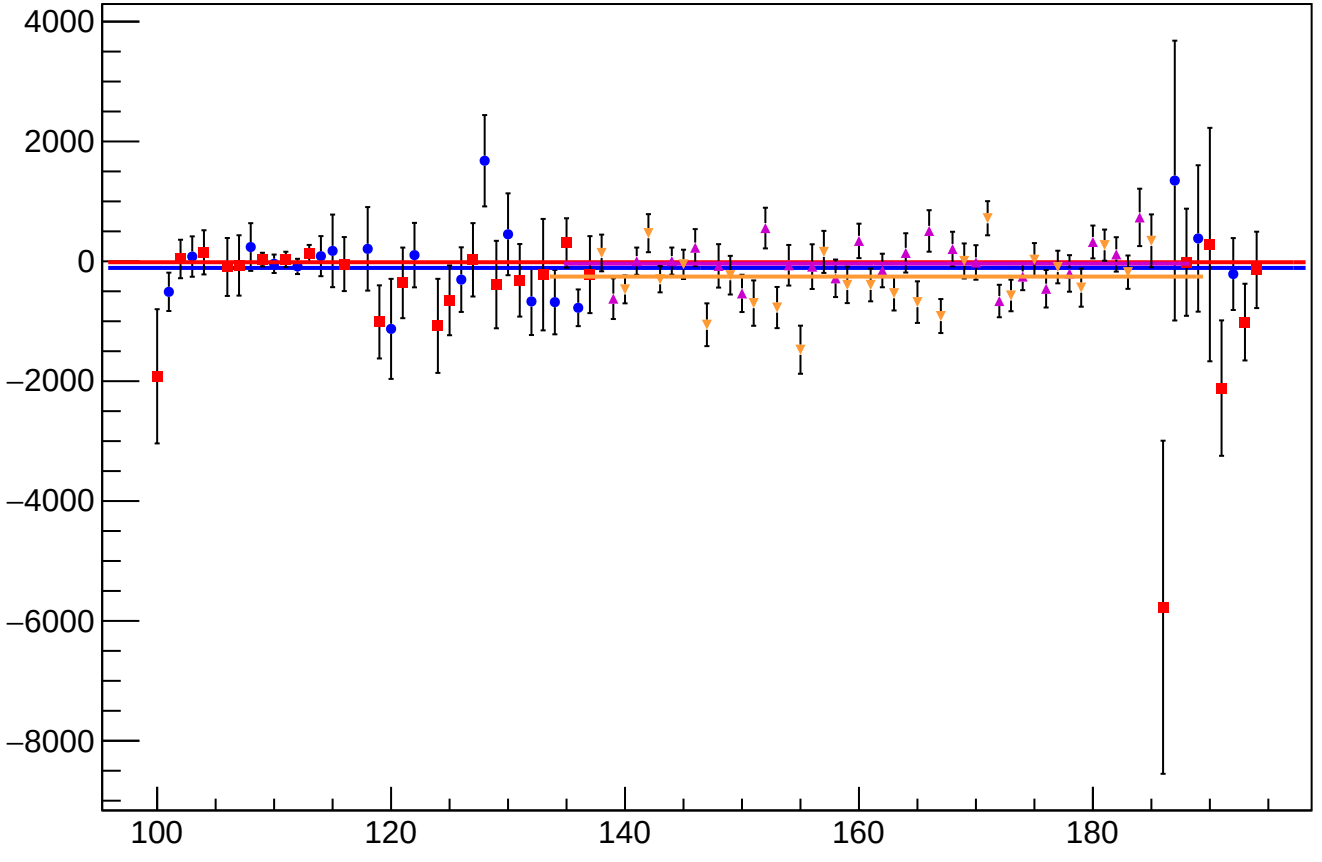
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.927+/-0.008 χ^2/NDF: 797274.9/43

All: 60.481+/-0.006 χ^2/NDF: 2258142.3/91

- sign 61.040+/-0.008 χ^2/NDF: 1451330.4/47

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: -15.185+/-63.141 χ^2/NDF: 22.0/24

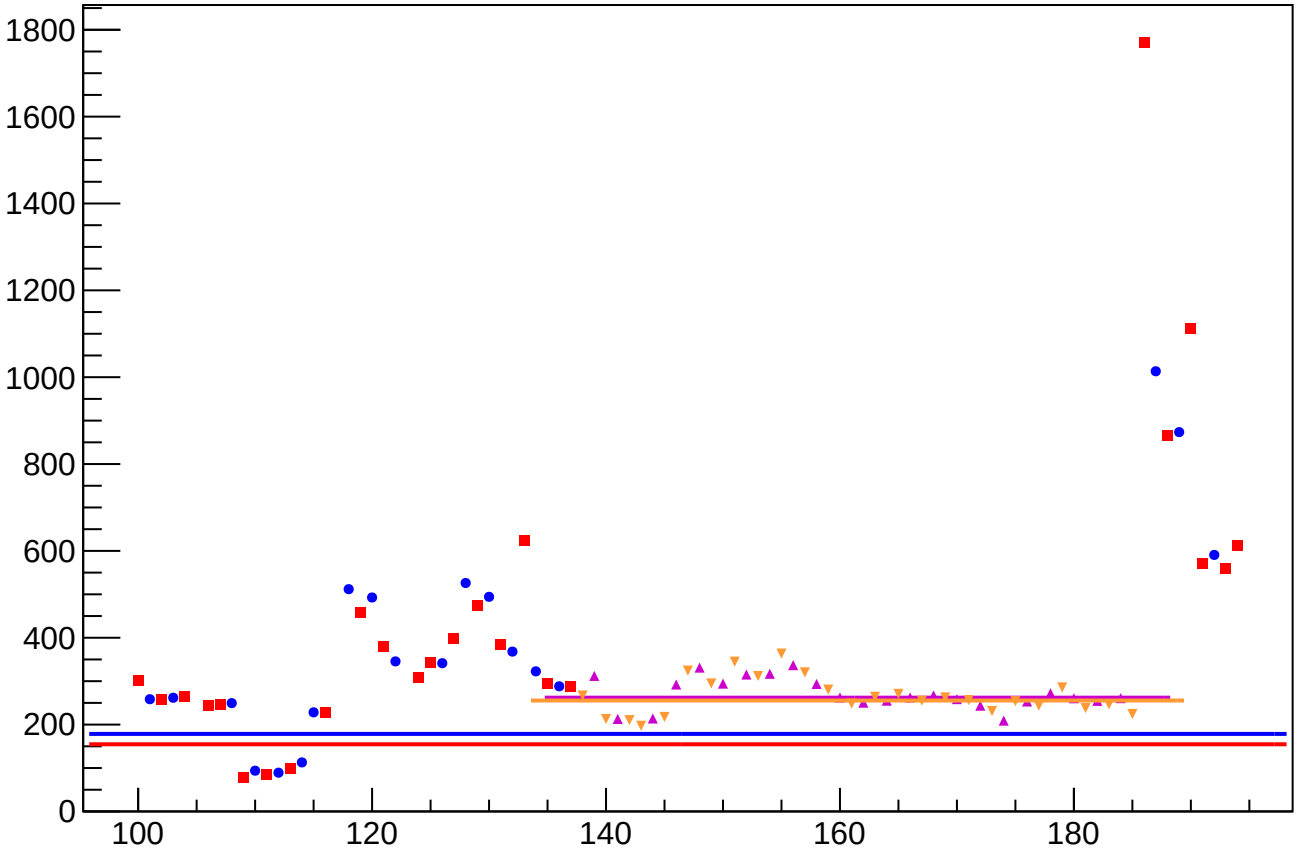
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -199.881+/-46.410 χ^2/NDF: 79.0/43

All: -109.432+/-32.005 χ^2/NDF: 136.6/91

- sign -27.406+/-44.196 χ^2/NDF: 50.4/47

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: 154.691+/-0.045 χ^2/NDF: 9781750.8/24

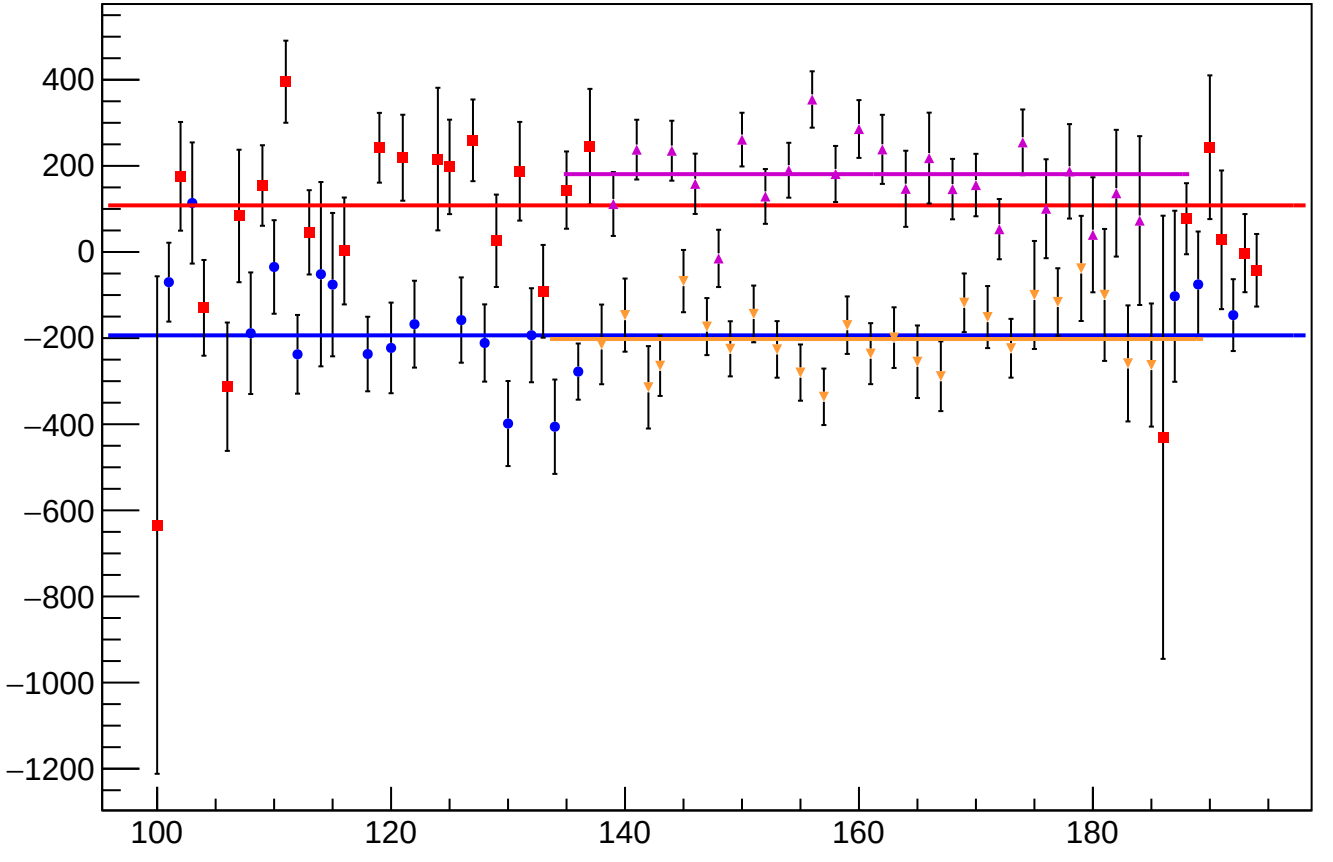
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 226.353+/-0.033 χ^2/NDF: 8582736.0/43

All: 217.478+/-0.023 χ^2/NDF: 22121413.5/91

- sign 209.429+/-0.031 χ^2/NDF: 13399196.9/47

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: 108.260+/-22.210 χ^2/NDF: 45.1/24

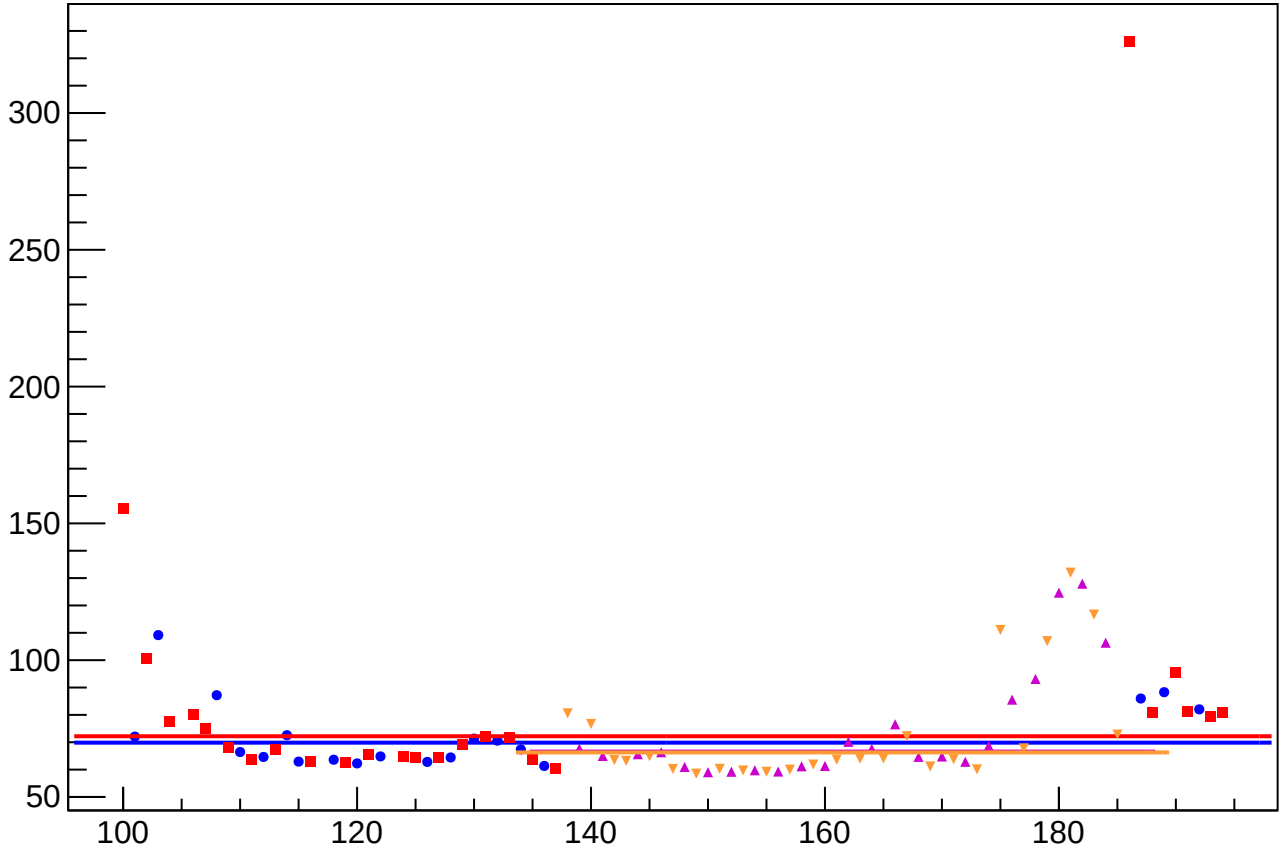
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -199.543+/-13.005 χ^2/NDF: 43.2/43

All: -21.608+/-9.192 χ^2/NDF: 499.5/91

- sign 155.966+/-12.992 χ^2/NDF: 82.2/47

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: 72.192+/-0.016 χ^2/NDF: 874559.2/24

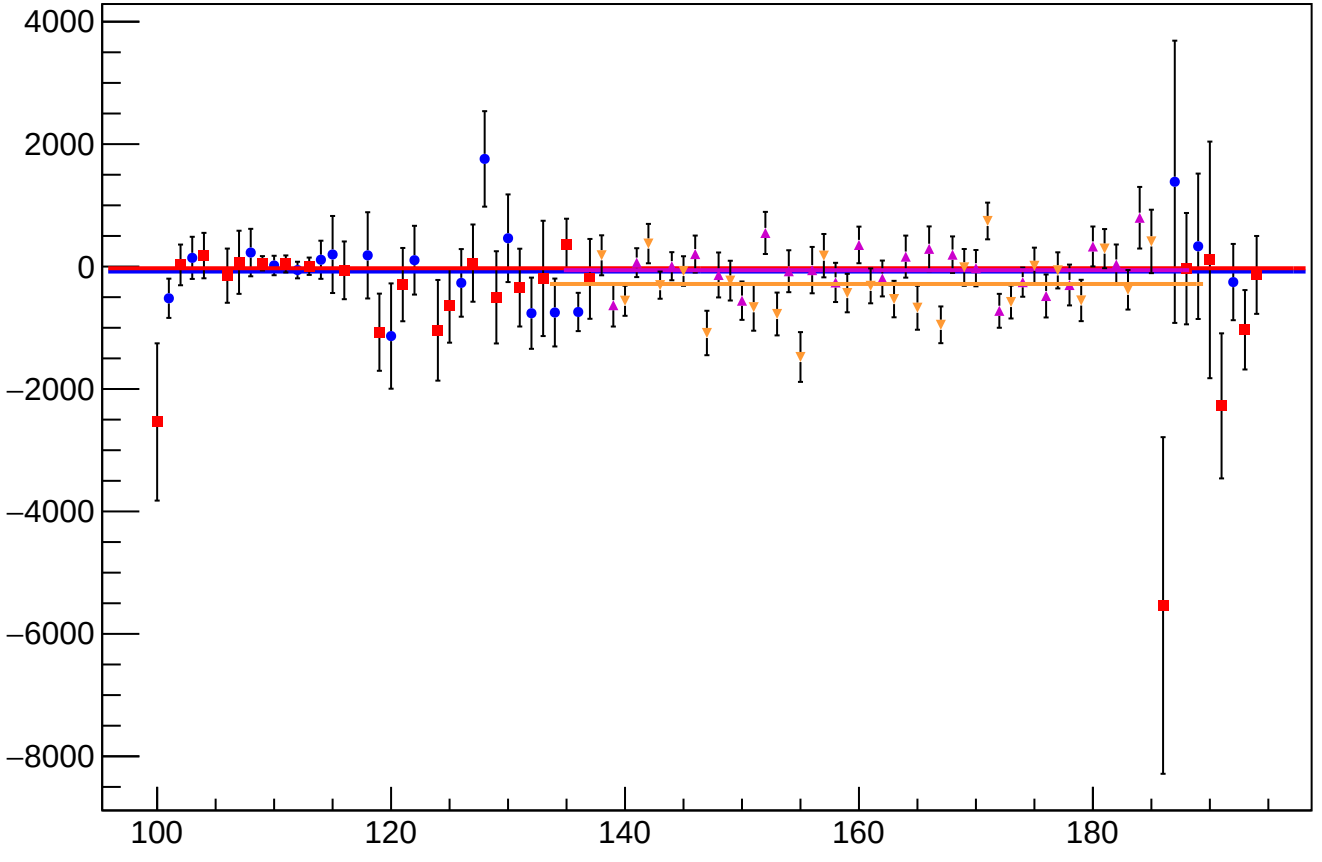
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 67.348+/-0.009 χ^2/NDF: 1804950.6/43

All: 67.926+/-0.006 χ^2/NDF: 3929480.0/91

- sign 68.504+/-0.009 χ^2/NDF: 2116624.6/47

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: -27.609+/-64.907 χ^2/NDF: 22.2/24

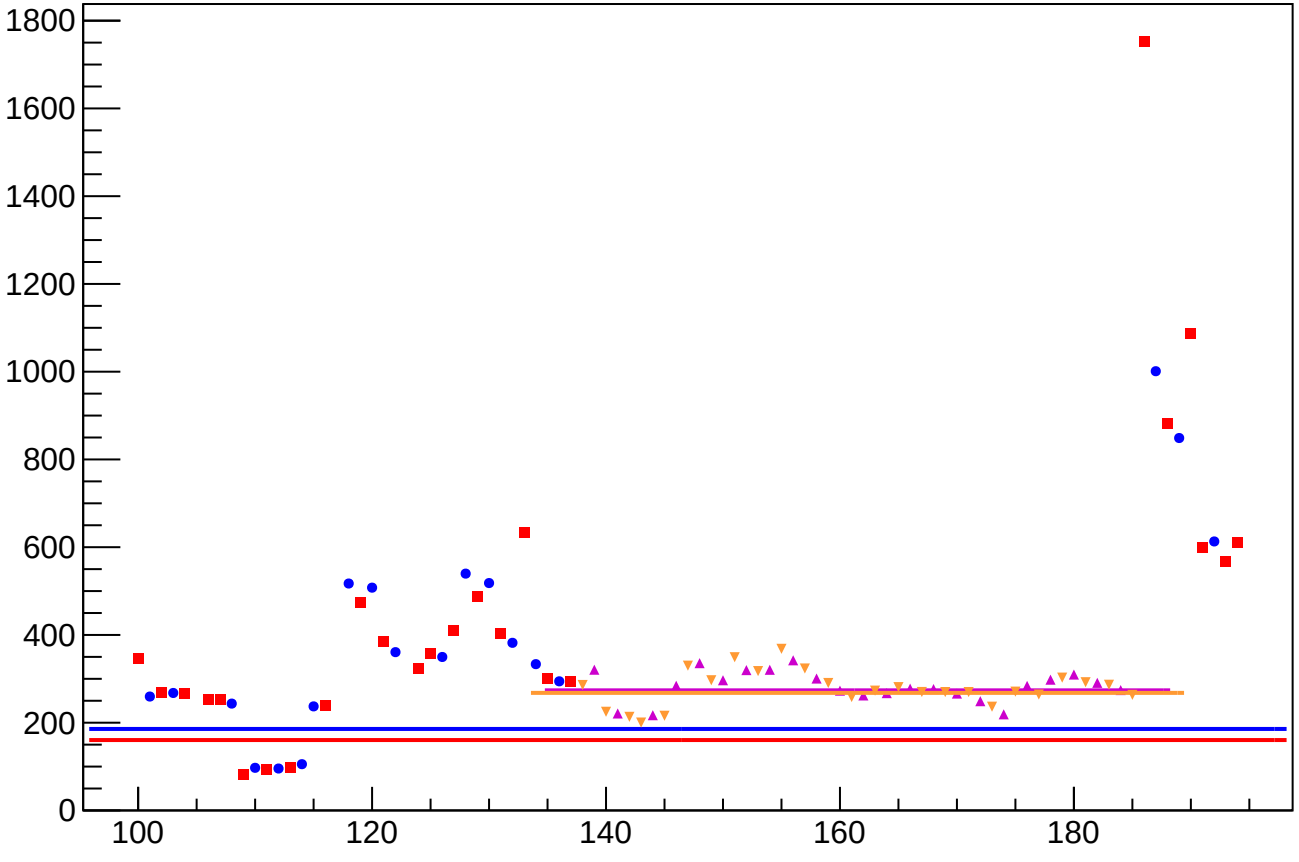
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -206.081+/-48.366 χ^2/NDF: 78.6/43

All: -120.337+/-33.256 χ^2/NDF: 133.7/91

- sign -43.451+/-45.800 χ^2/NDF: 49.2/47

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: 160.462+/-0.046 χ^2/NDF: 9711075.1/24

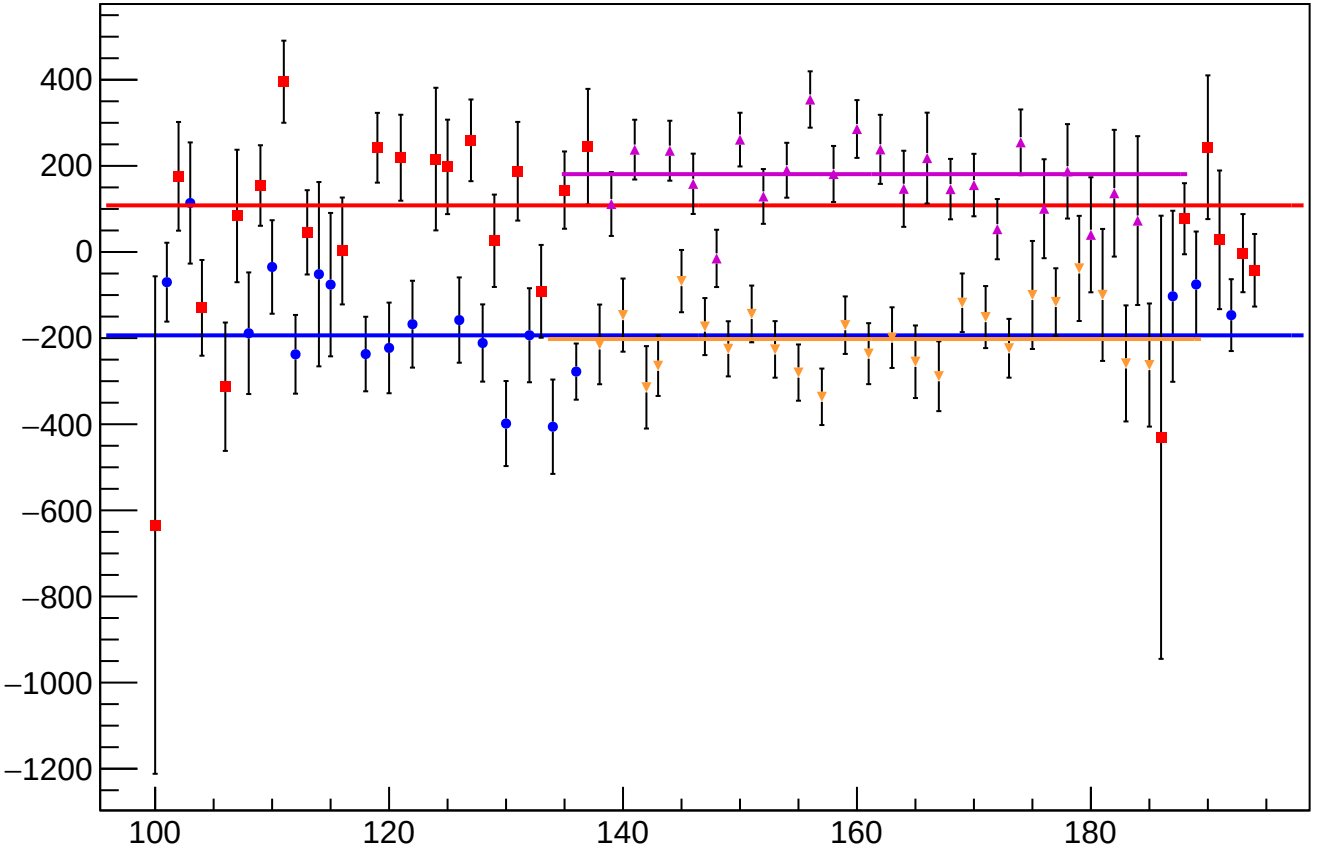
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 236.248+/-0.034 χ^2/NDF: 8512992.6/43

All: 226.281+/-0.024 χ^2/NDF: 22094617.0/91

- sign 217.343+/-0.032 χ^2/NDF: 13420523.6/47

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: 108.261+/-22.210 χ^2/NDF: 45.1/24

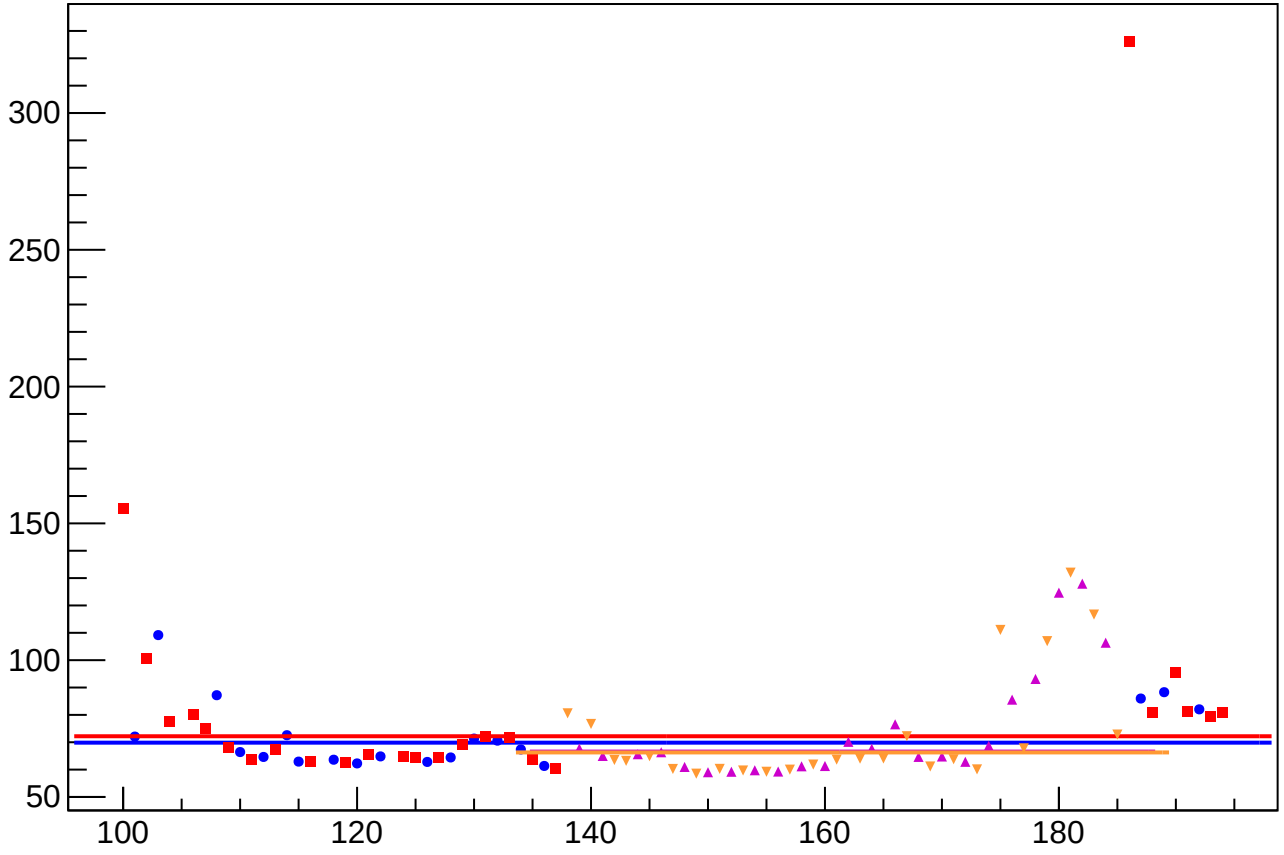
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -199.542+/-13.005 χ^2/NDF: 43.2/43

All: -21.608+/-9.192 χ^2/NDF: 499.5/91

- sign 155.967+/-12.992 χ^2/NDF: 82.2/47

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: 72.191+/-0.016 χ^2/NDF: 874561.4/24

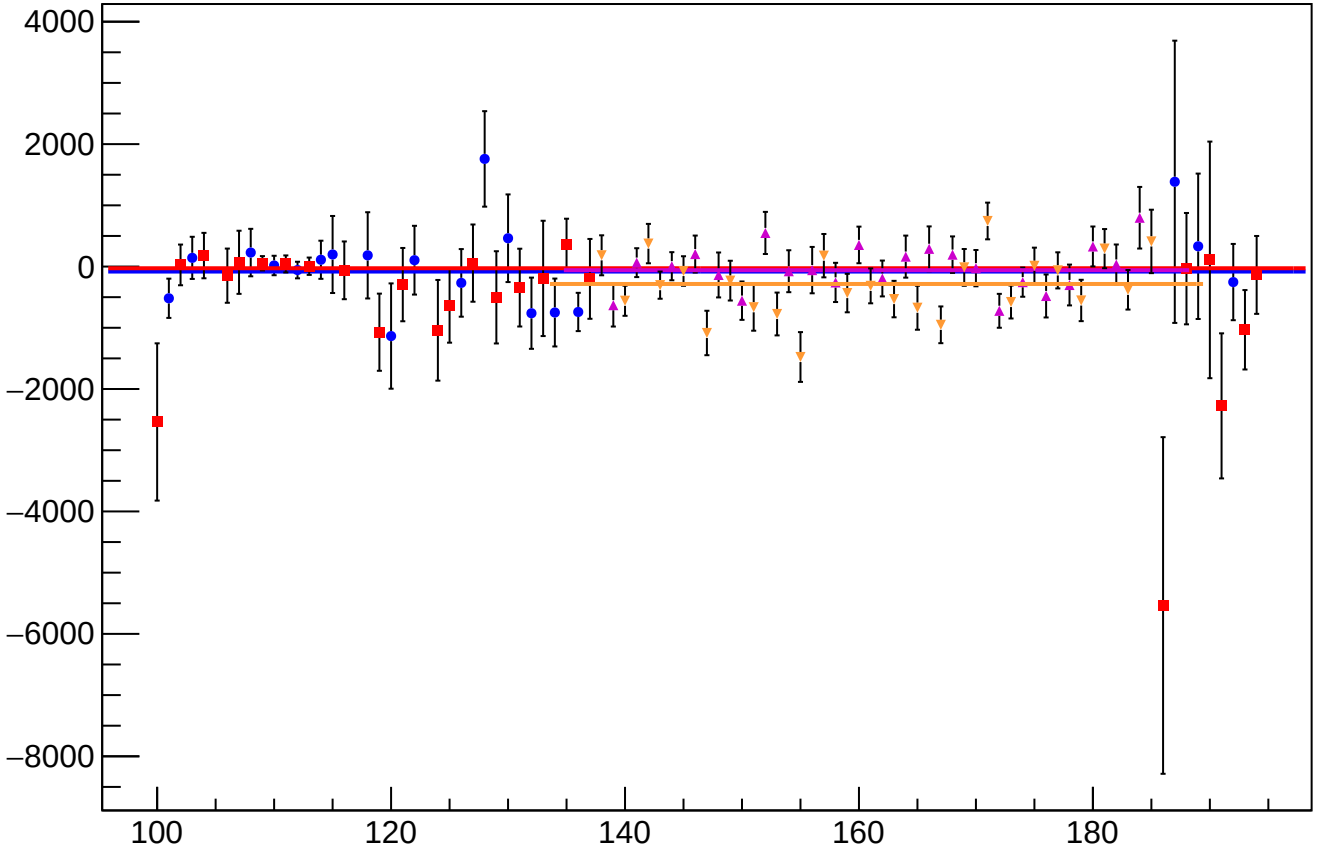
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 67.348+/-0.009 χ^2/NDF: 1804951.1/43

All: 67.926+/-0.006 χ^2/NDF: 3929468.8/91

- sign 68.504+/-0.009 χ^2/NDF: 2116613.1/47

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: -27.608+/-64.907 χ^2/NDF: 22.2/24

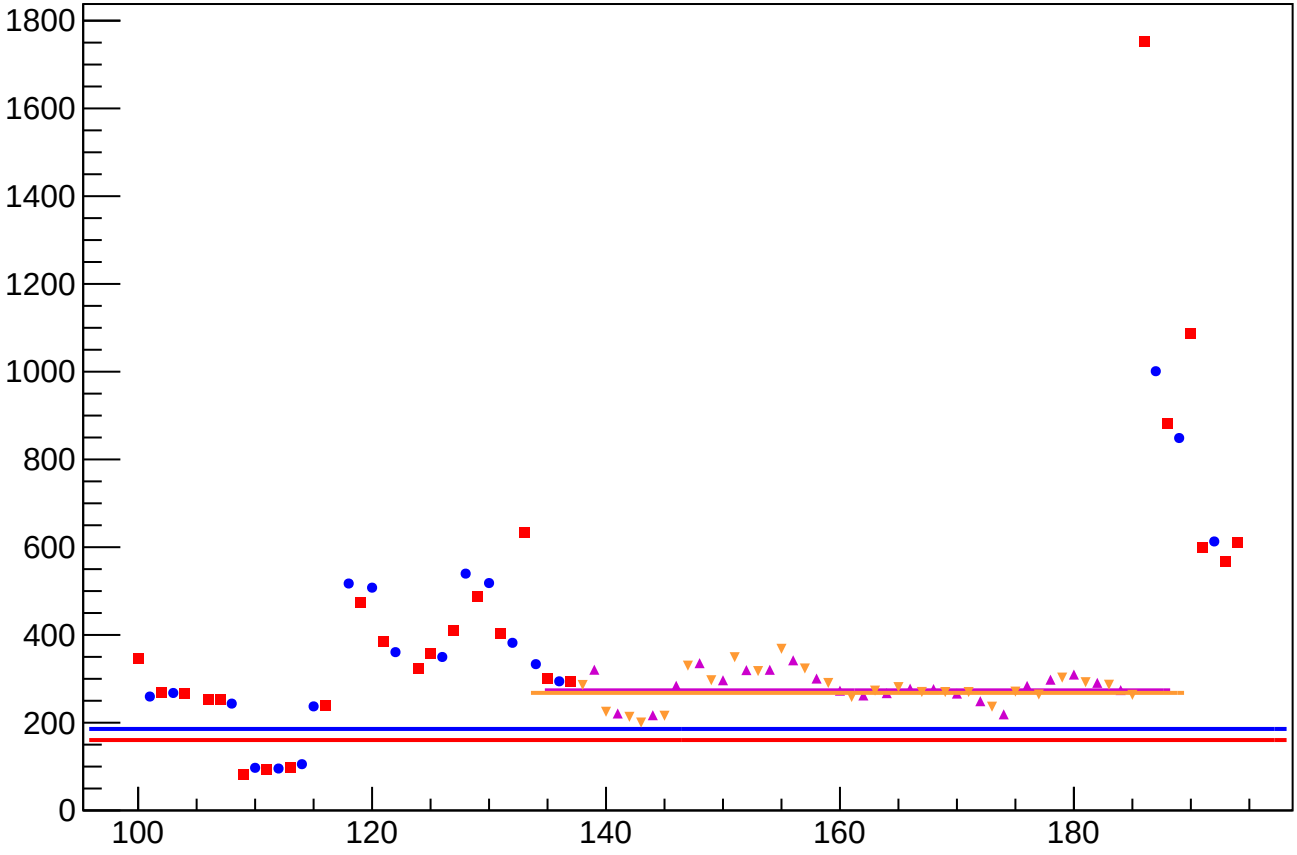
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -206.080+/-48.366 χ^2/NDF: 78.6/43

All: -120.336+/-33.256 χ^2/NDF: 133.7/91

- sign -43.450+/-45.800 χ^2/NDF: 49.2/47

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: 160.461+/-0.046 χ^2/NDF: 9711054.0/24

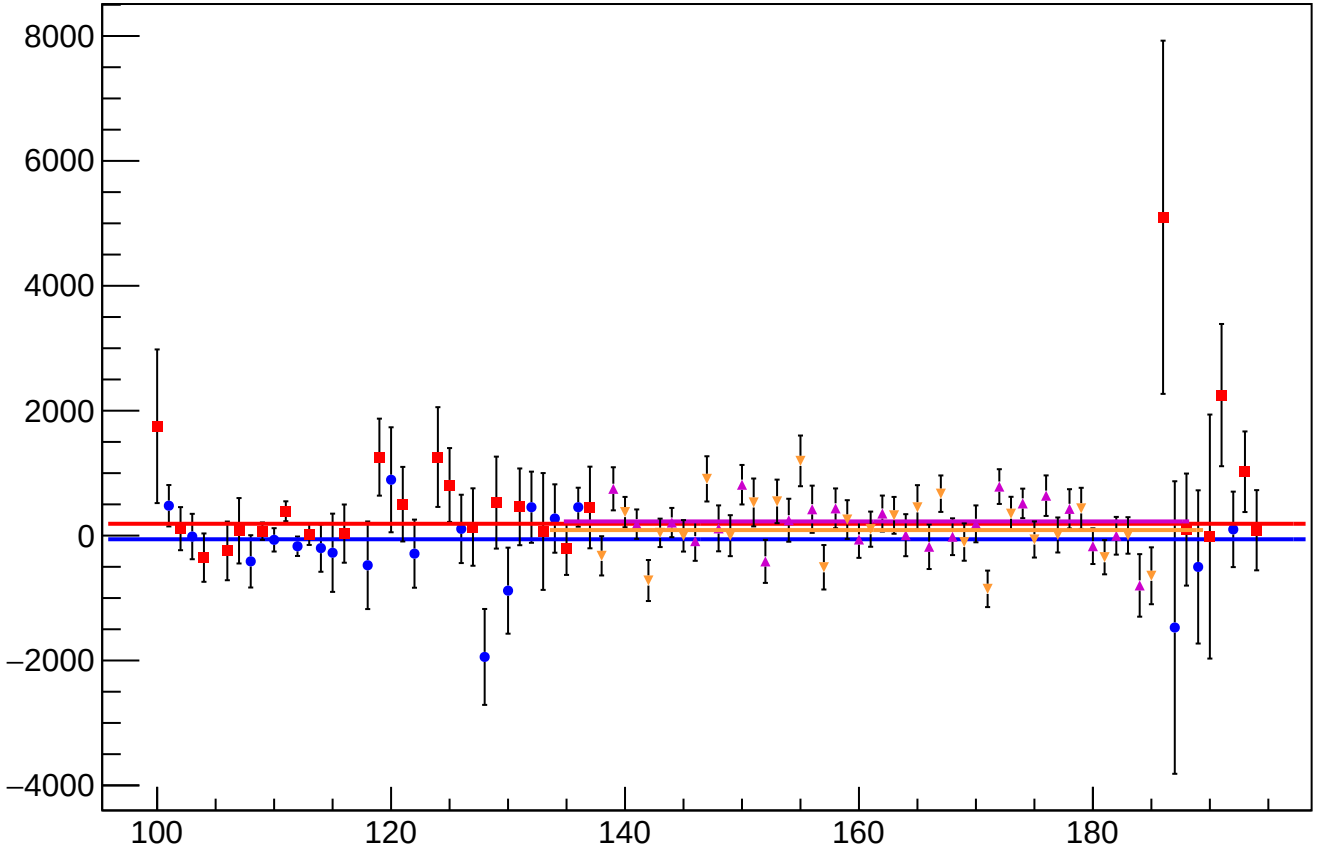
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 236.247+/-0.034 χ^2/NDF: 8513061.4/43

All: 226.280+/-0.024 χ^2/NDF: 22094646.5/91

- sign 217.343+/-0.032 χ^2/NDF: 13420494.1/47

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: 189.368+/-73.142 χ^2/NDF: 23.6/24

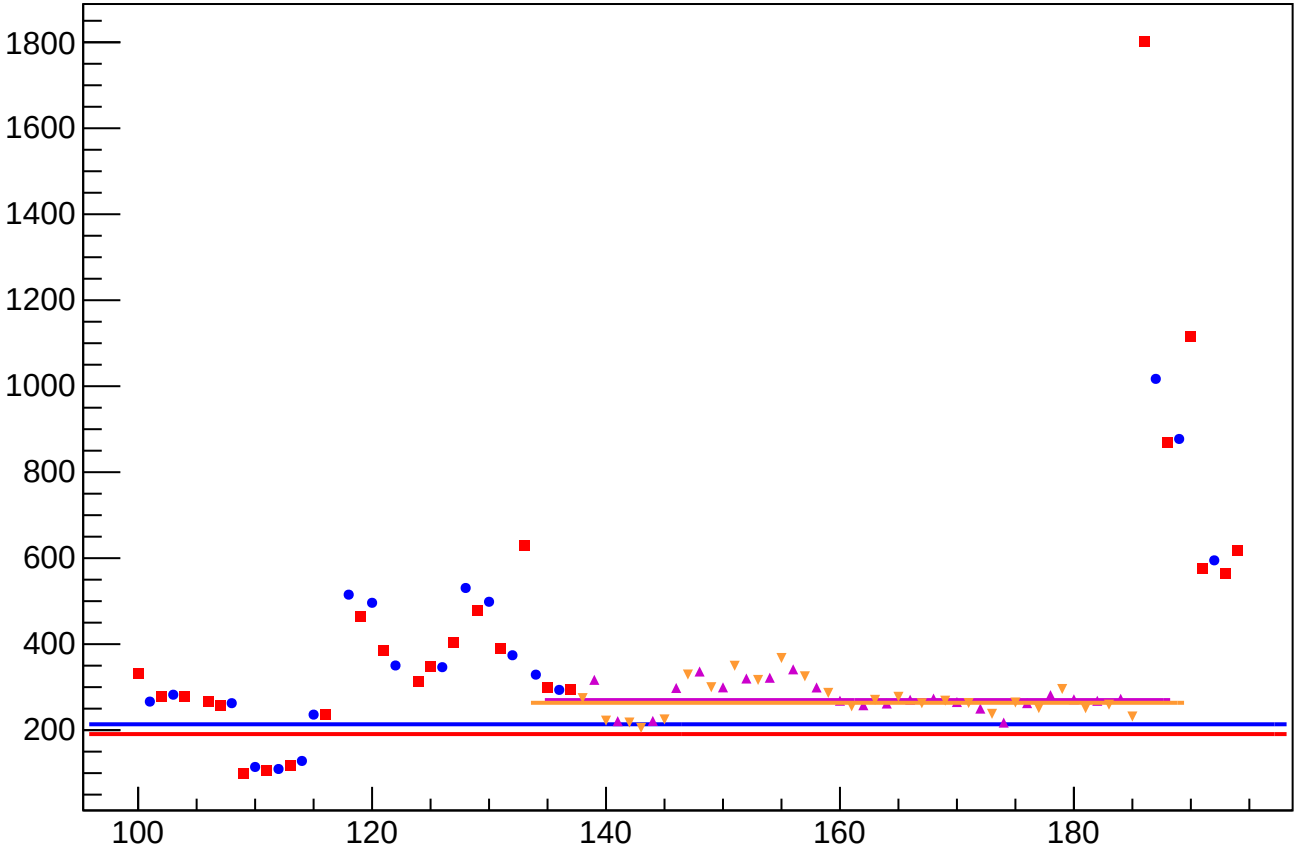
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

\+ sign 39.268+/-49.523 χ^2/NDF: 72.1/43

All: 127.612+/-34.477 χ^2/NDF: 130.8/91

\- sign 210.699+/-48.026 χ^2/NDF: 52.6/47

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

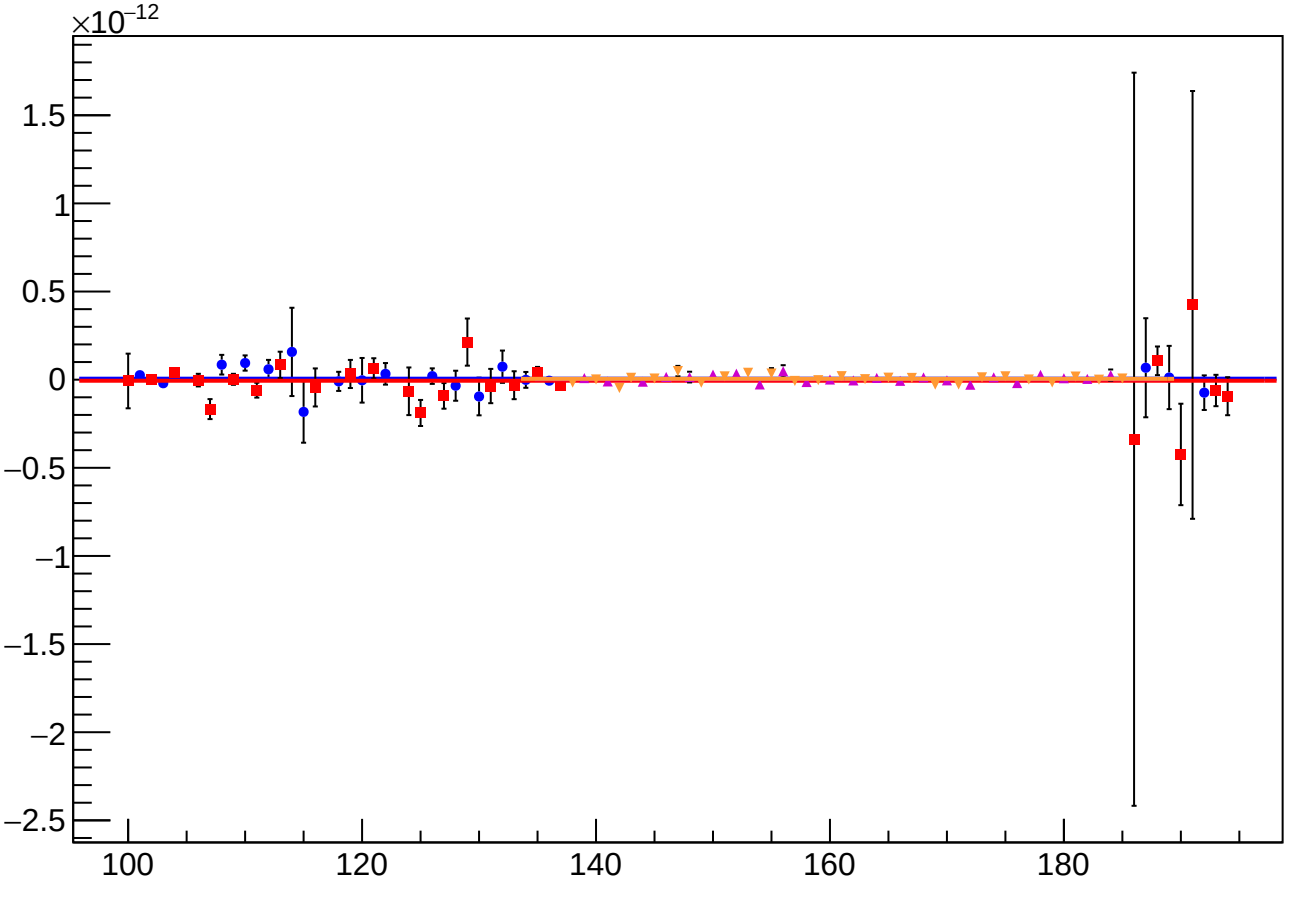
Right Out: 190.815+/-0.052 χ^2/NDF: 8354139.6/24

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 246.921+/-0.035 χ^2/NDF: 6462179.4/43

All: 241.190+/-0.024 χ^2/NDF: 16800545.8/91

- sign 235.801+/-0.034 χ^2/NDF: 10286402.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

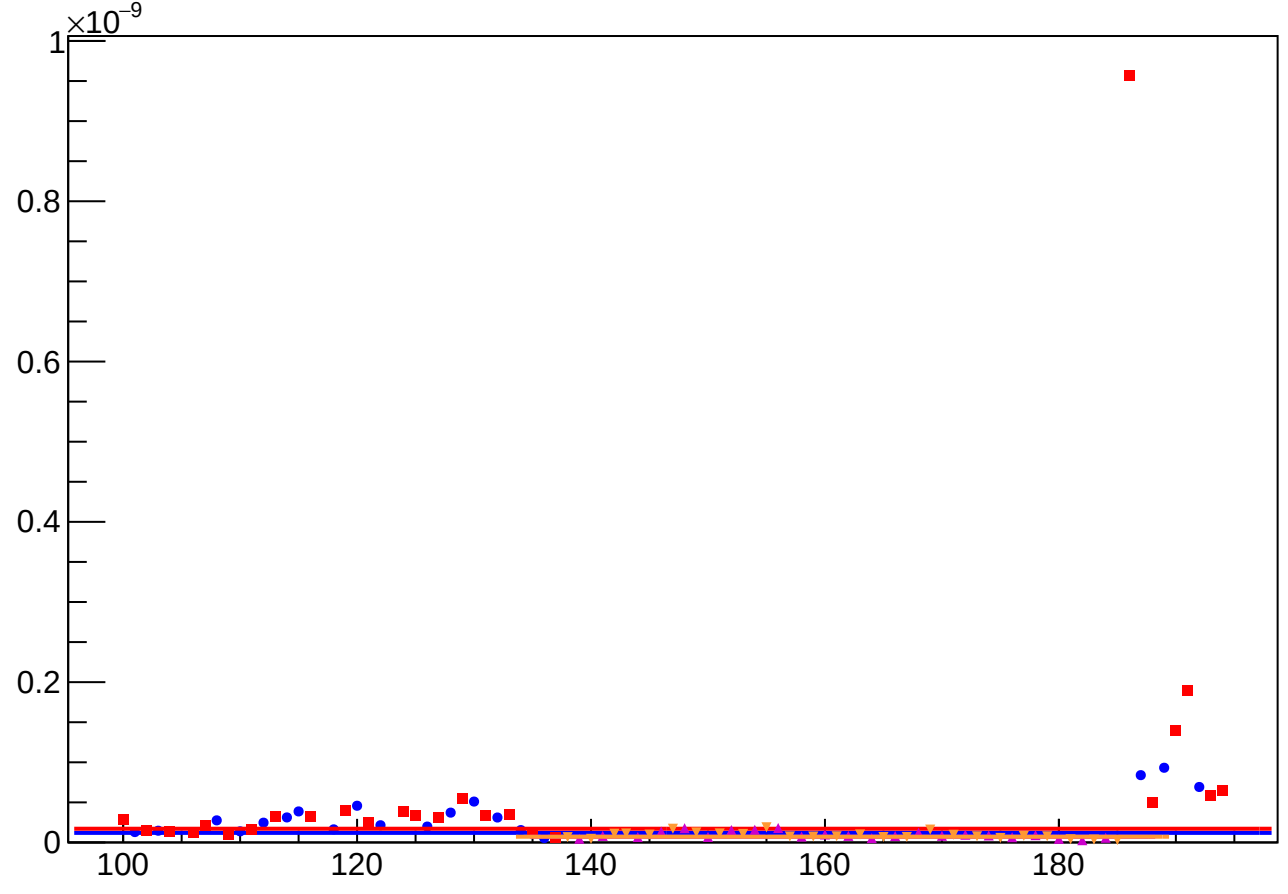
Right Out: -0.000+/-0.000 χ^2/NDF: 35.8/24

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/43

All: 0.000+/-0.000 χ^2/NDF: 100.9/91

- sign 0.000+/-0.000 χ^2/NDF: 58.0/47



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: 3445831.7/24

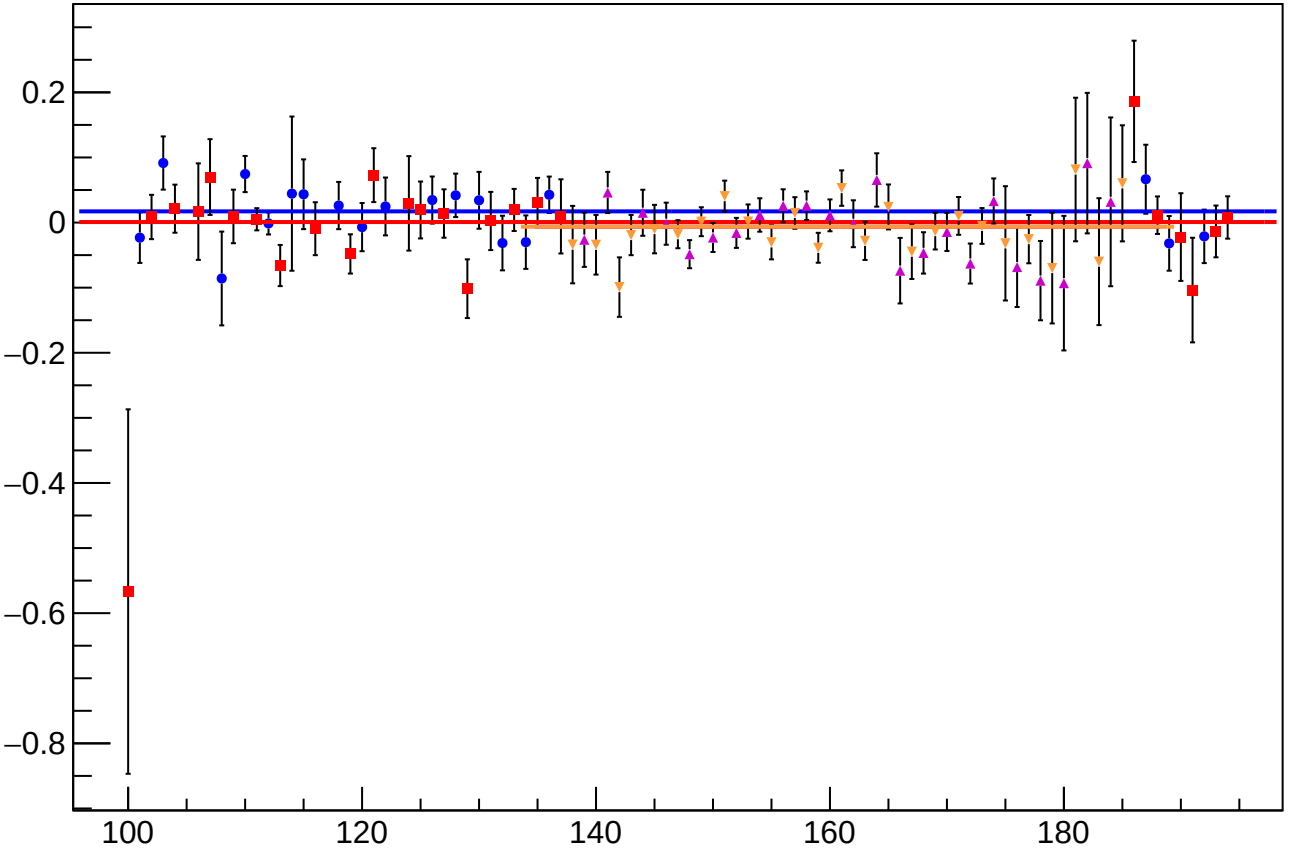
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 5578121.0/43

All: 0.000+/-0.000 χ^2/NDF: 12924067.8/91

- sign 0.000+/-0.000 χ^2/NDF: 7337007.0/47

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.008 χ^2/NDF: 20.2/18

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.001+/-0.008 χ^2/NDF: 28.9/24

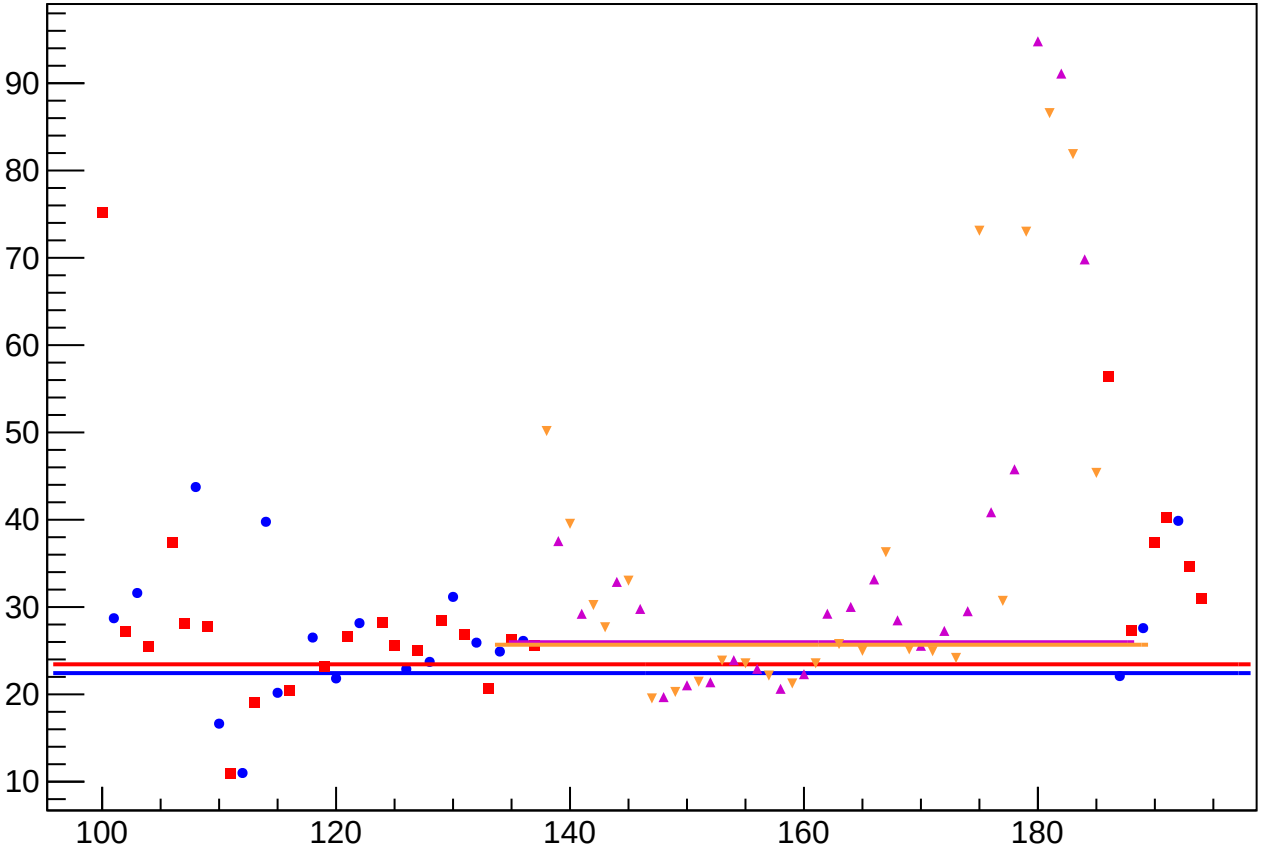
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 47.9/43

All: -0.000+/-0.004 χ^2/NDF: 106.4/91

- sign -0.003+/-0.005 χ^2/NDF: 57.8/47

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

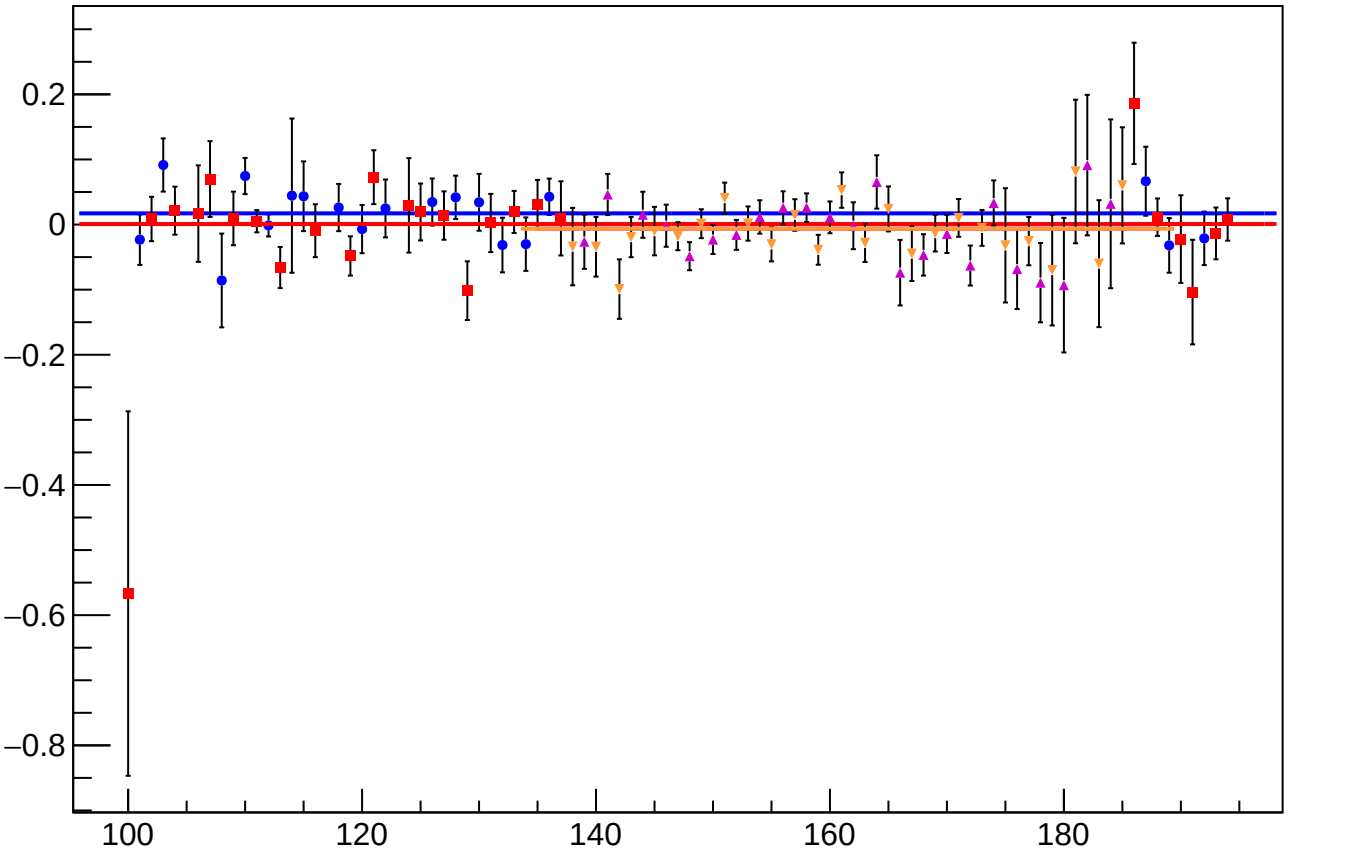
Right Out: 23.443+/-0.005 χ^2/NDF: 2155107.9/24

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.461+/-0.004 χ^2/NDF: 6023625.4/43

All: 24.676+/-0.003 χ^2/NDF: 11429182.4/91

- sign 24.887+/-0.004 χ^2/NDF: 5398365.2/47



Right In: 0.017+/-0.008 χ^2/NDF: 20.2/18

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.001+/-0.008 χ^2/NDF: 28.9/24

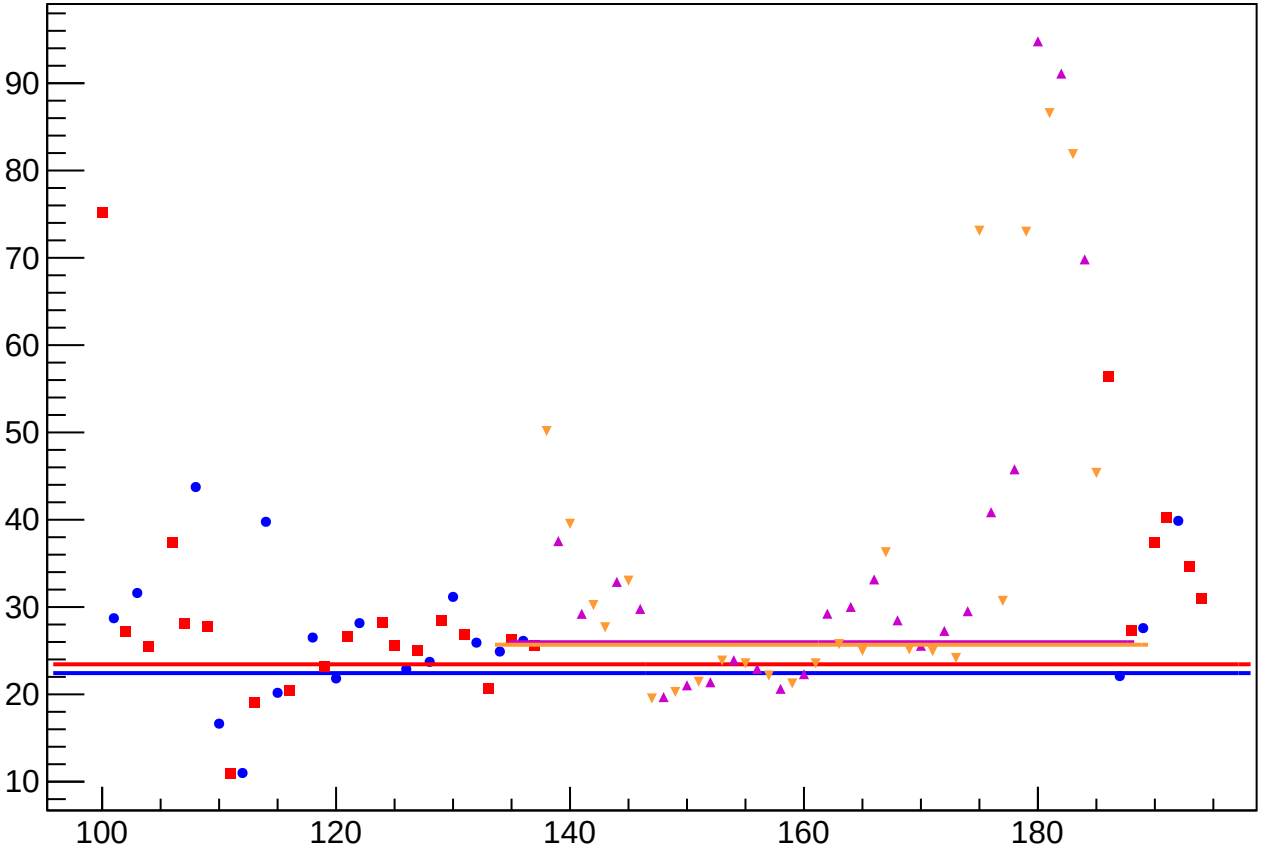
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 47.9/43

All: -0.000+/-0.004 χ^2/NDF: 106.4/91

- sign -0.003+/-0.005 χ^2/NDF: 57.8/47

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: 23.443+/-0.005 χ^2/NDF: 2155107.9/24

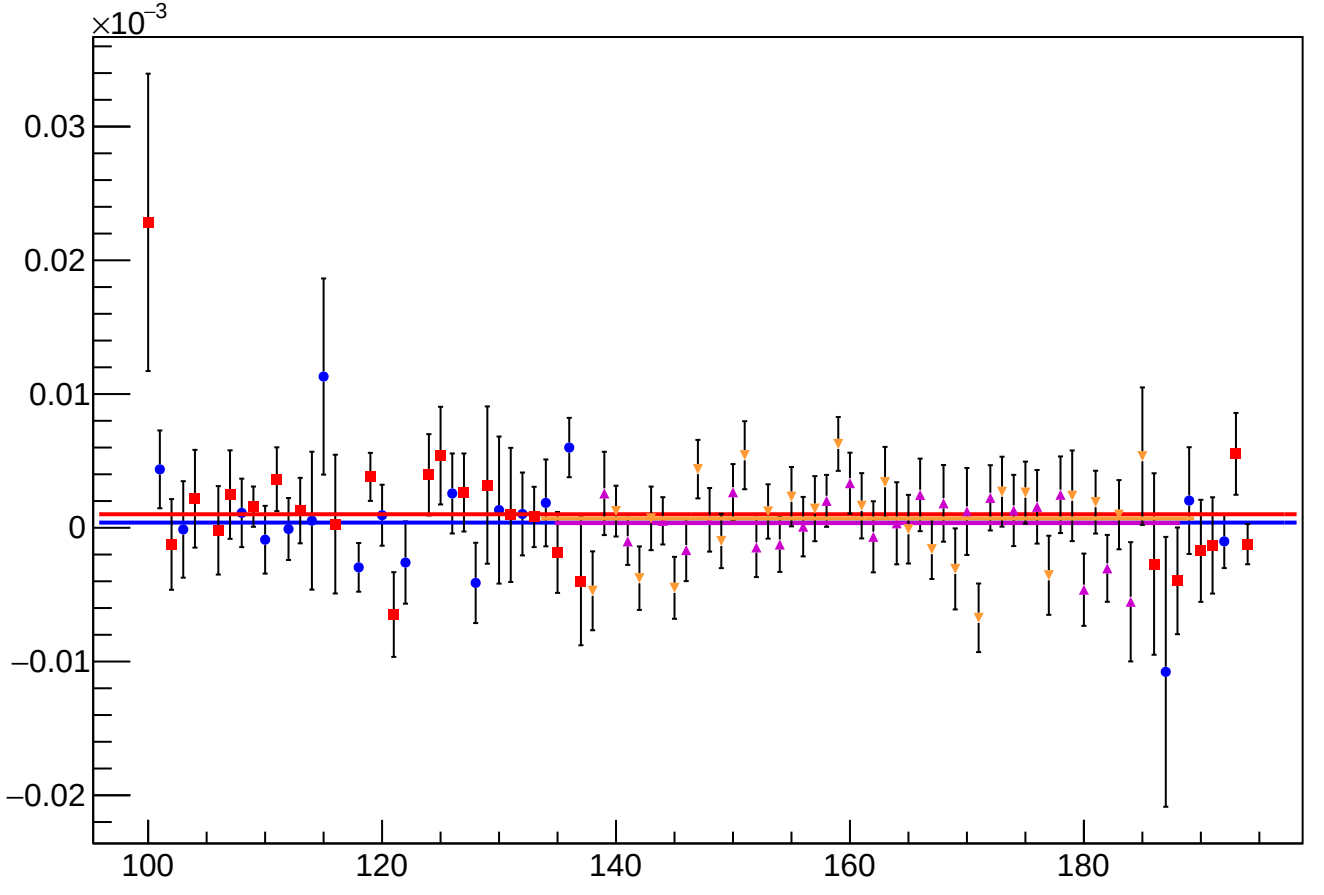
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.461+/-0.004 χ^2/NDF: 6023625.4/43

All: 24.676+/-0.003 χ^2/NDF: 11429182.4/91

- sign 24.887+/-0.004 χ^2/NDF: 5398365.2/47

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/24

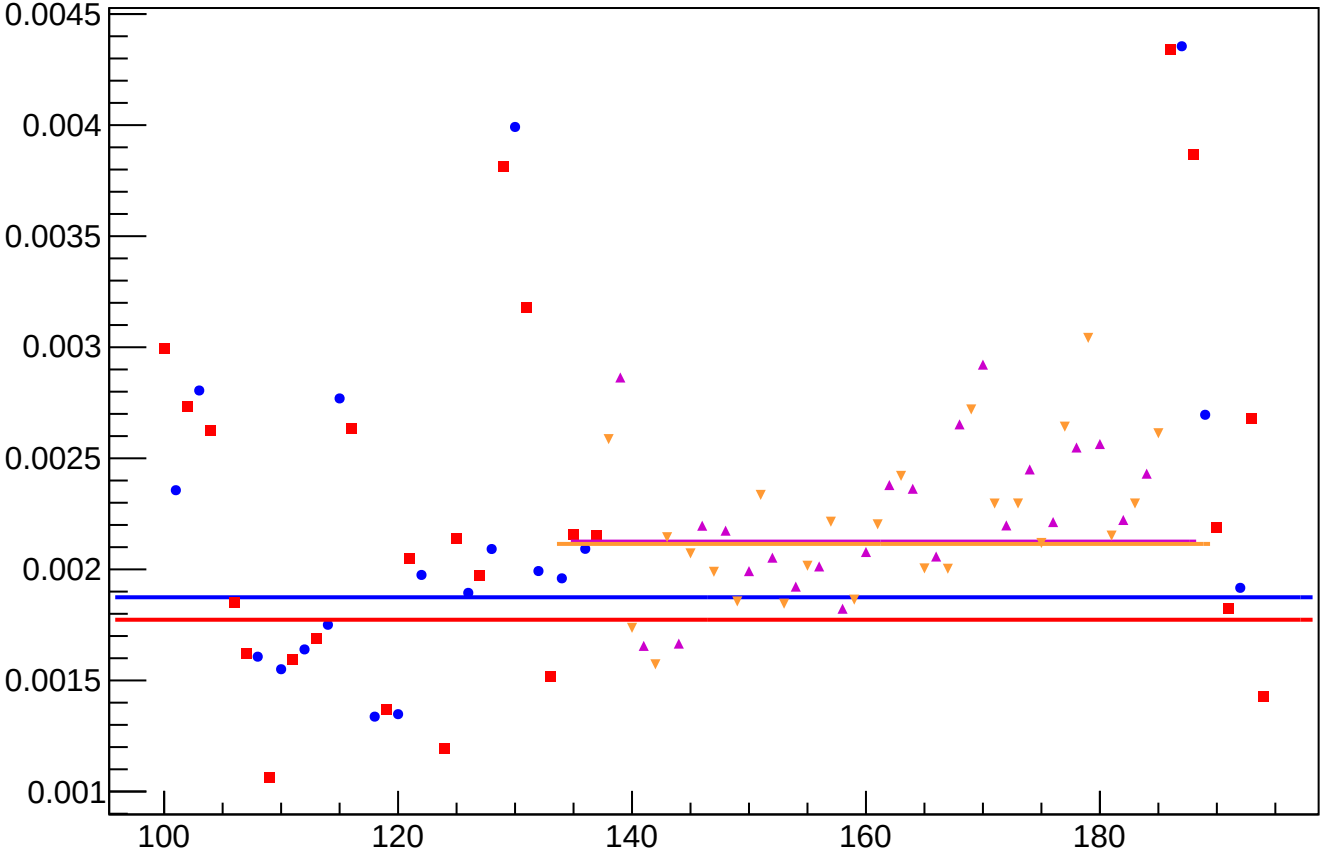
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.7/43

All: 0.000+/-0.000 χ^2/NDF: 108.0/91

- sign 0.000+/-0.000 χ^2/NDF: 43.3/47

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

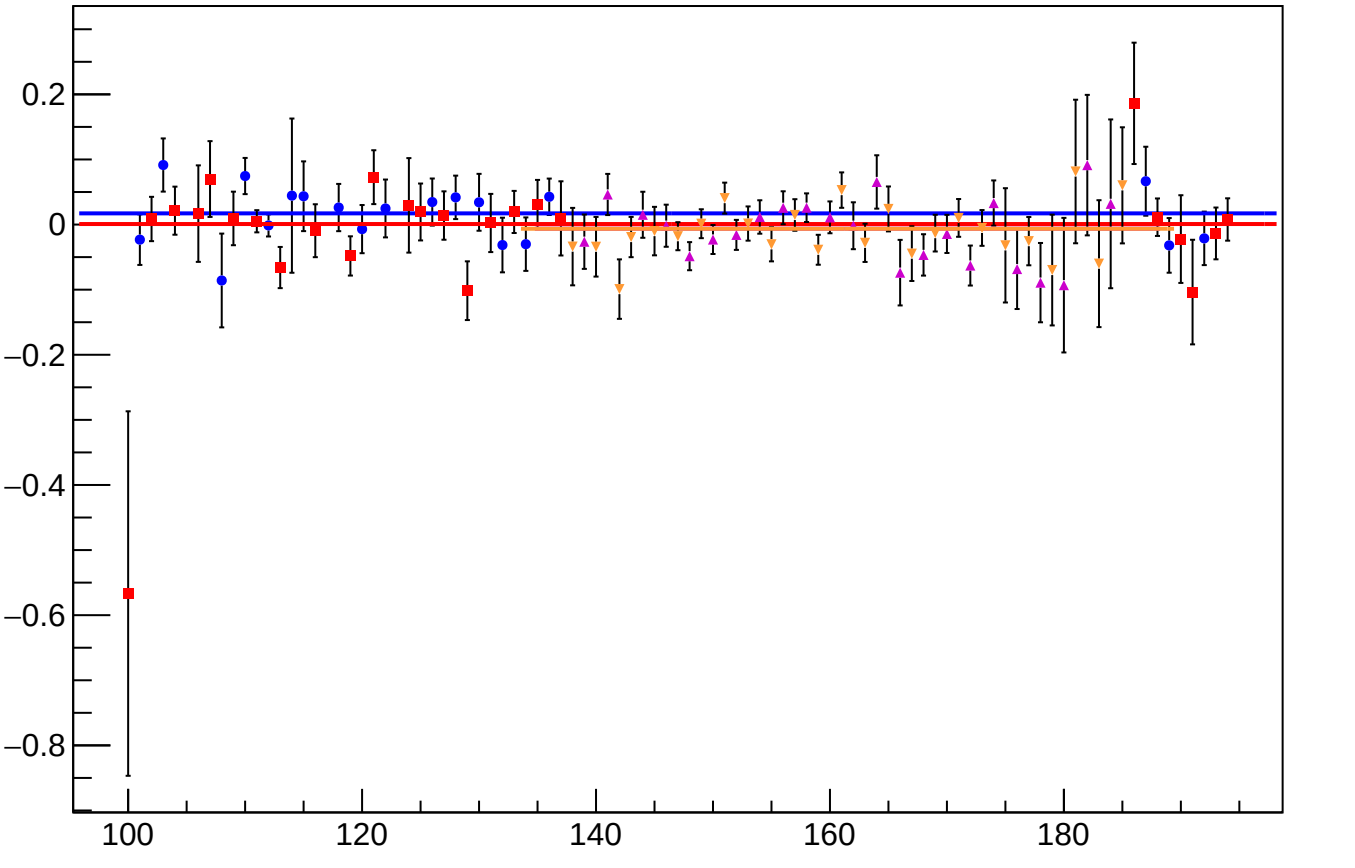
Right Out: 0.002+/-0.000 χ^2/NDF: 2642321.3/24

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: 5962714.7/91

- sign 0.002+/-0.000 χ^2/NDF: 3908171.1/47



Right In: 0.017+/-0.008 χ^2/NDF: 20.2/18

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.001+/-0.008 χ^2/NDF: 28.9/24

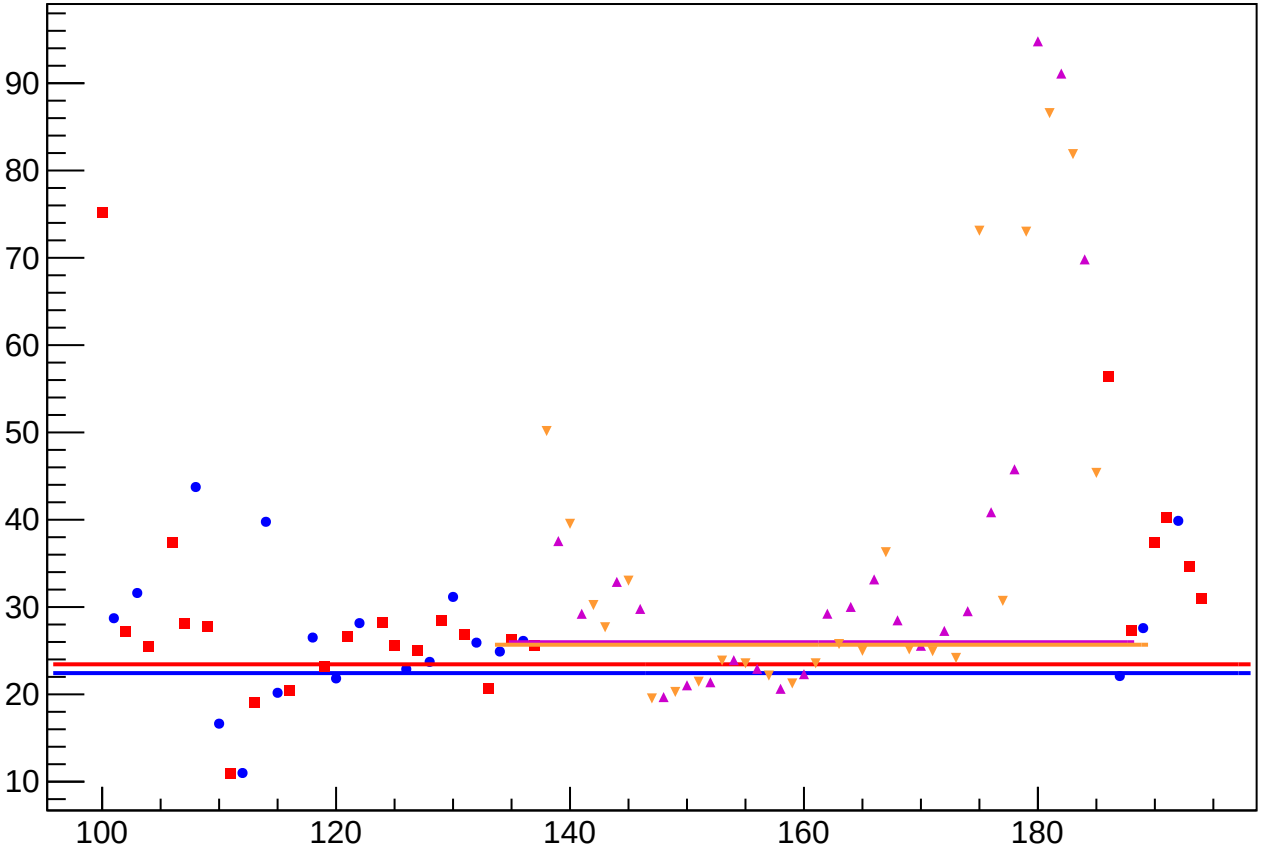
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 47.9/43

All: -0.000+/-0.004 χ^2/NDF: 106.4/91

- sign -0.003+/-0.005 χ^2/NDF: 57.8/47

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

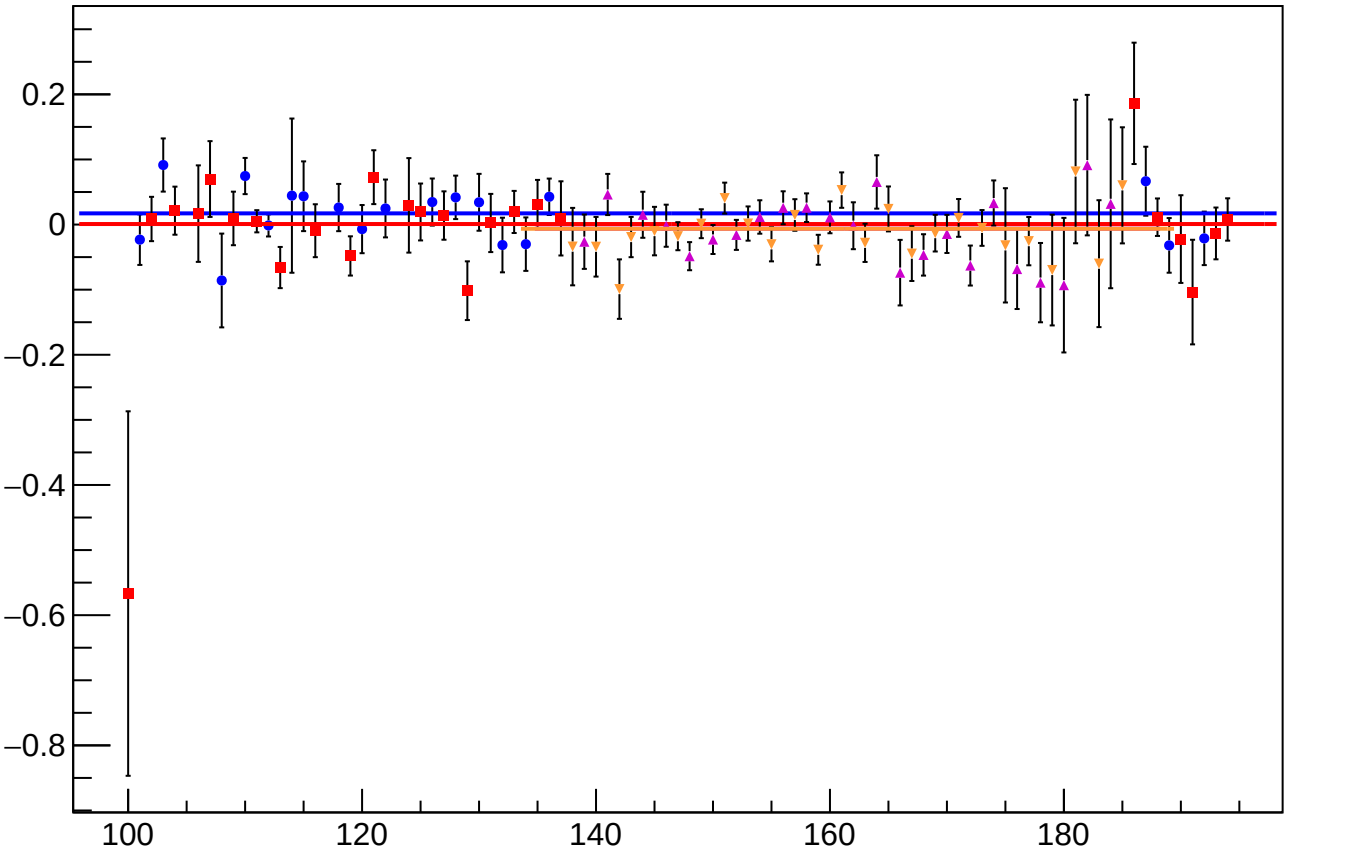
Right Out: 23.442+/-0.005 χ^2/NDF: 2155285.1/24

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.461+/-0.004 χ^2/NDF: 6023891.1/43

All: 24.676+/-0.003 χ^2/NDF: 11429684.0/91

- sign 24.887+/-0.004 χ^2/NDF: 5398602.6/47



Right In: 0.017+/-0.008 χ^2/NDF: 20.2/18

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.001+/-0.008 χ^2/NDF: 28.9/24

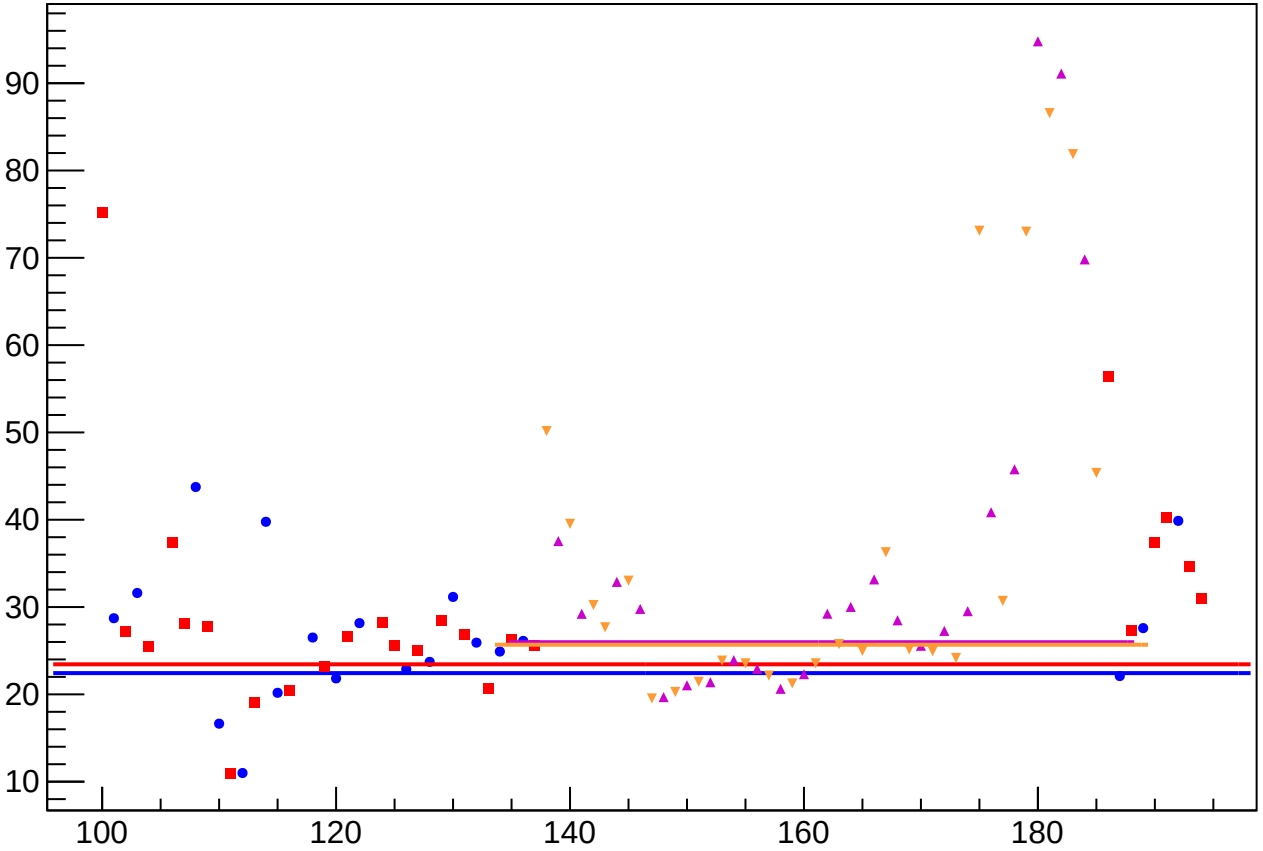
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.002+/-0.005 χ^2/NDF: 47.9/43

All: -0.000+/-0.004 χ^2/NDF: 106.4/91

- sign -0.003+/-0.005 χ^2/NDF: 57.8/47

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.434+/-0.006 χ^2/NDF: 1957691.0/18

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 23.442+/-0.005 χ^2/NDF: 2155285.1/24

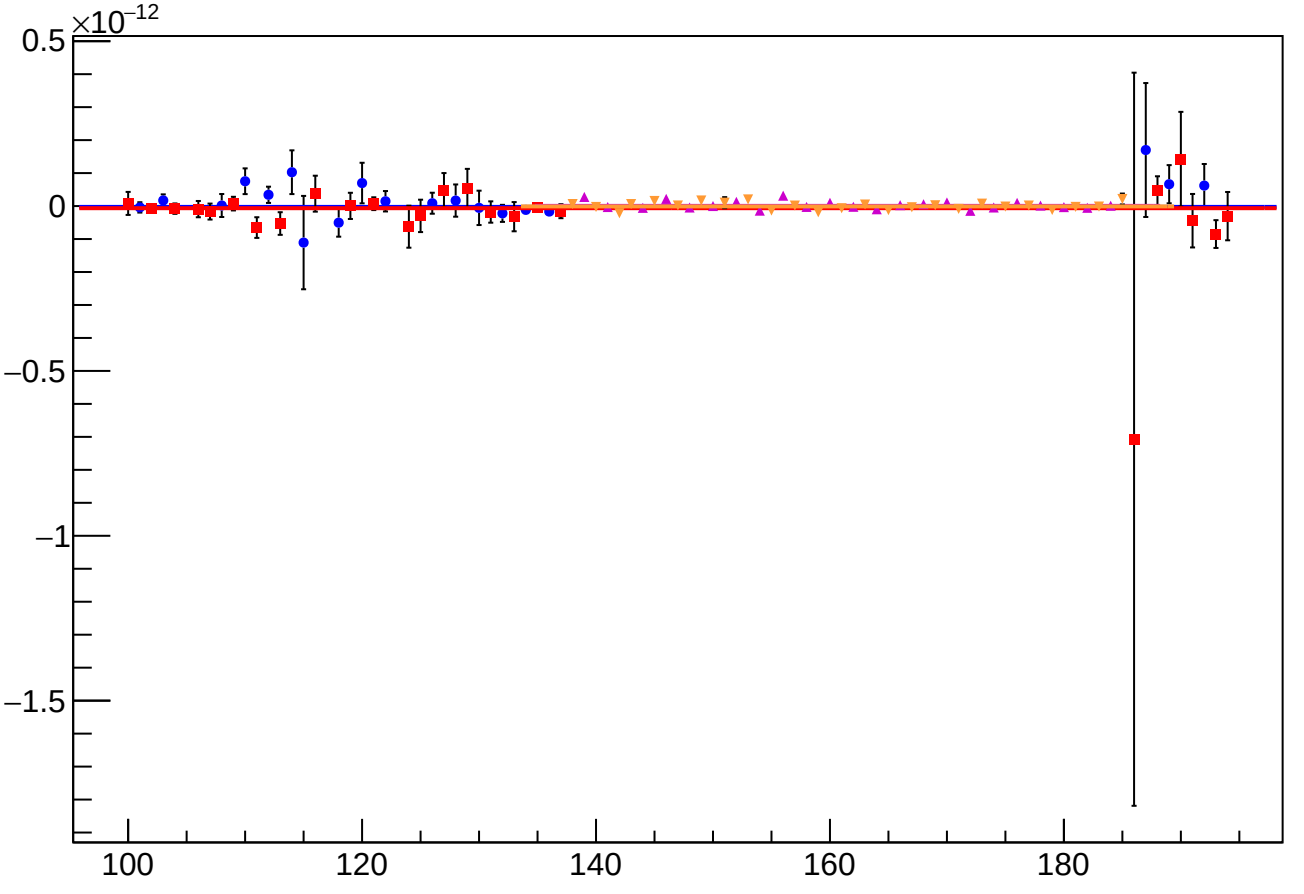
Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.461+/-0.004 χ^2/NDF: 6023891.1/43

All: 24.676+/-0.003 χ^2/NDF: 11429684.0/91

- sign 24.887+/-0.004 χ^2/NDF: 5398602.6/47

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/24

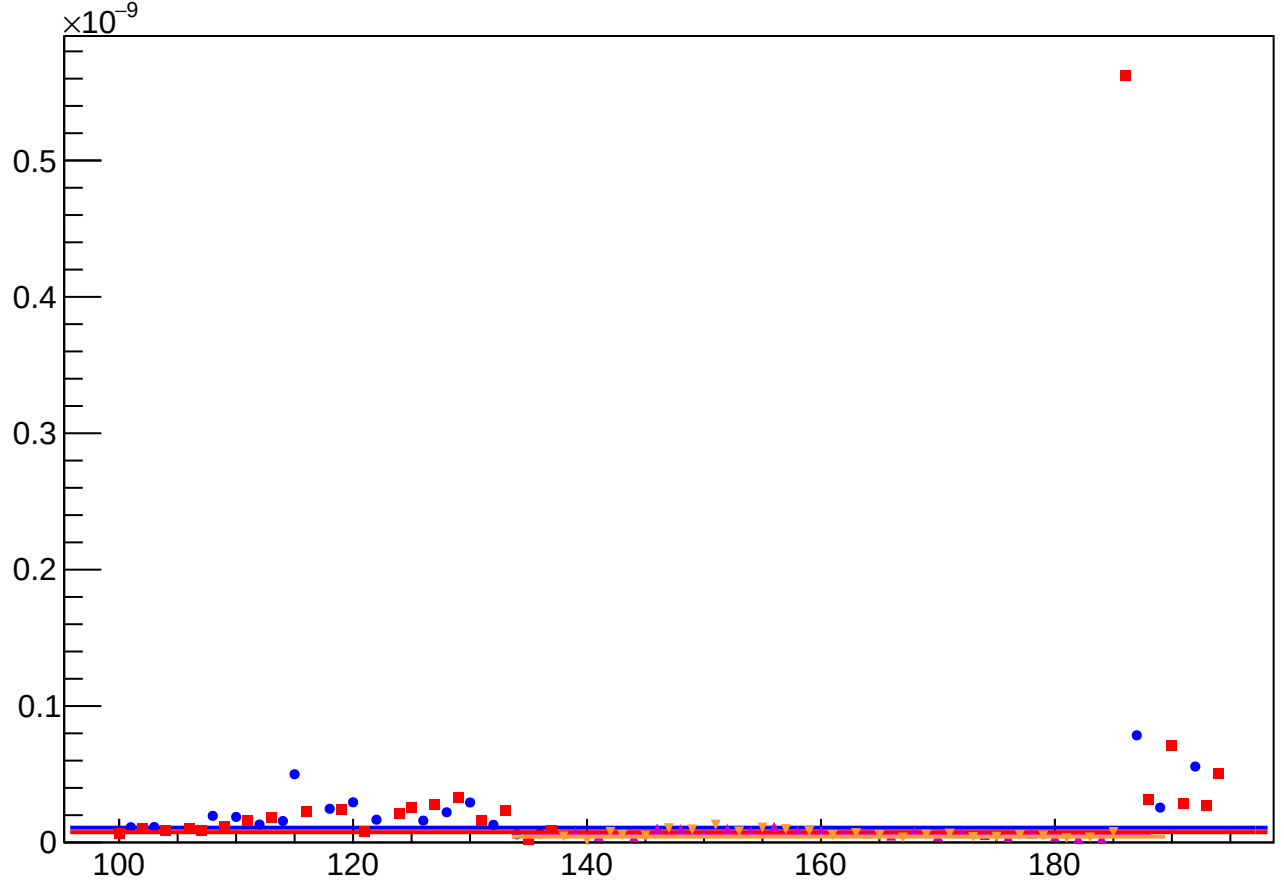
Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.2/43

All: -0.000+/-0.000 χ^2/NDF: 99.2/91

- sign -0.000+/-0.000 χ^2/NDF: 49.9/47

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: 6796541.6/24

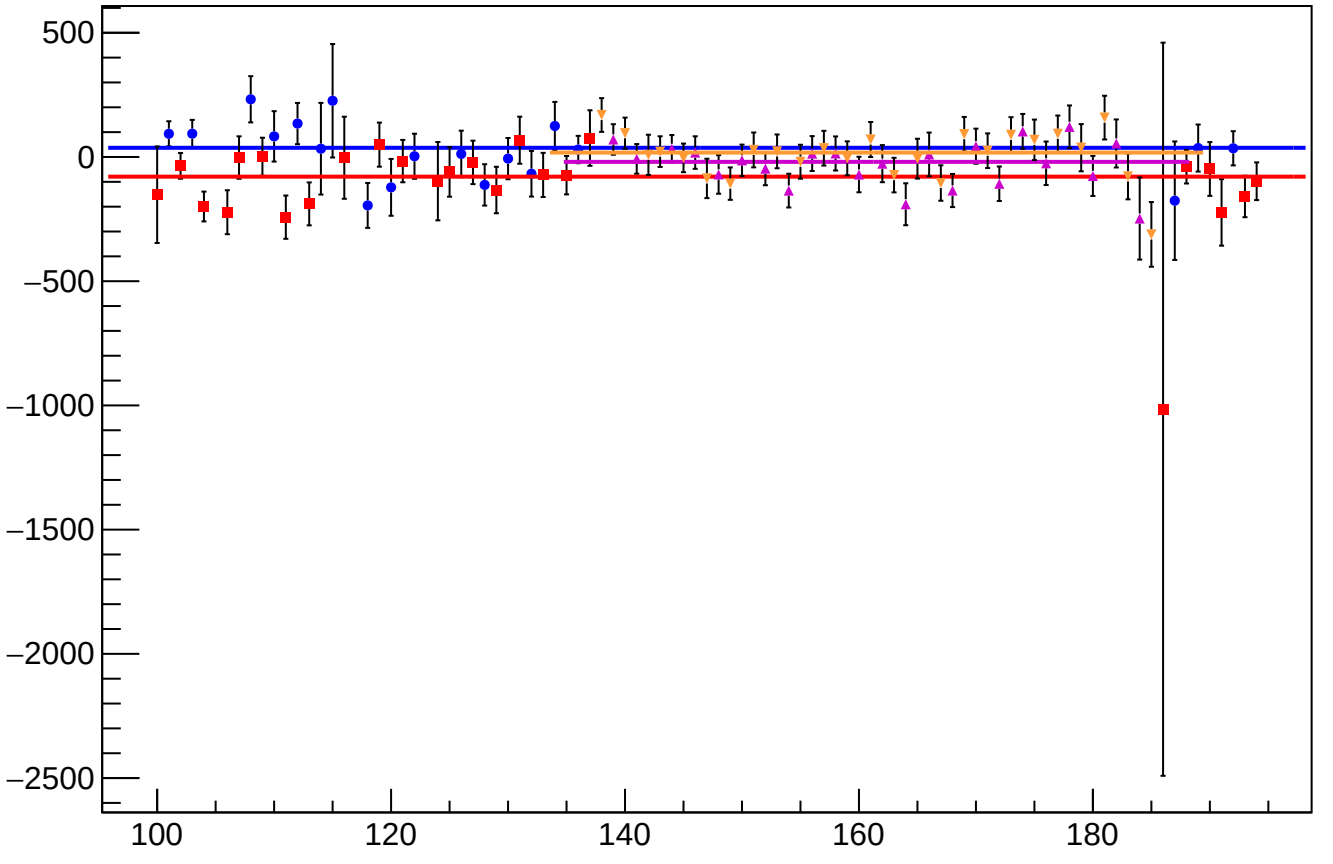
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11375145.4/43

All: 0.000+/-0.000 χ^2/NDF: 21929068.7/91

- sign 0.000+/-0.000 χ^2/NDF: 10015193.3/47

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: -79.171+/-17.596 χ^2/NDF: 25.5/24

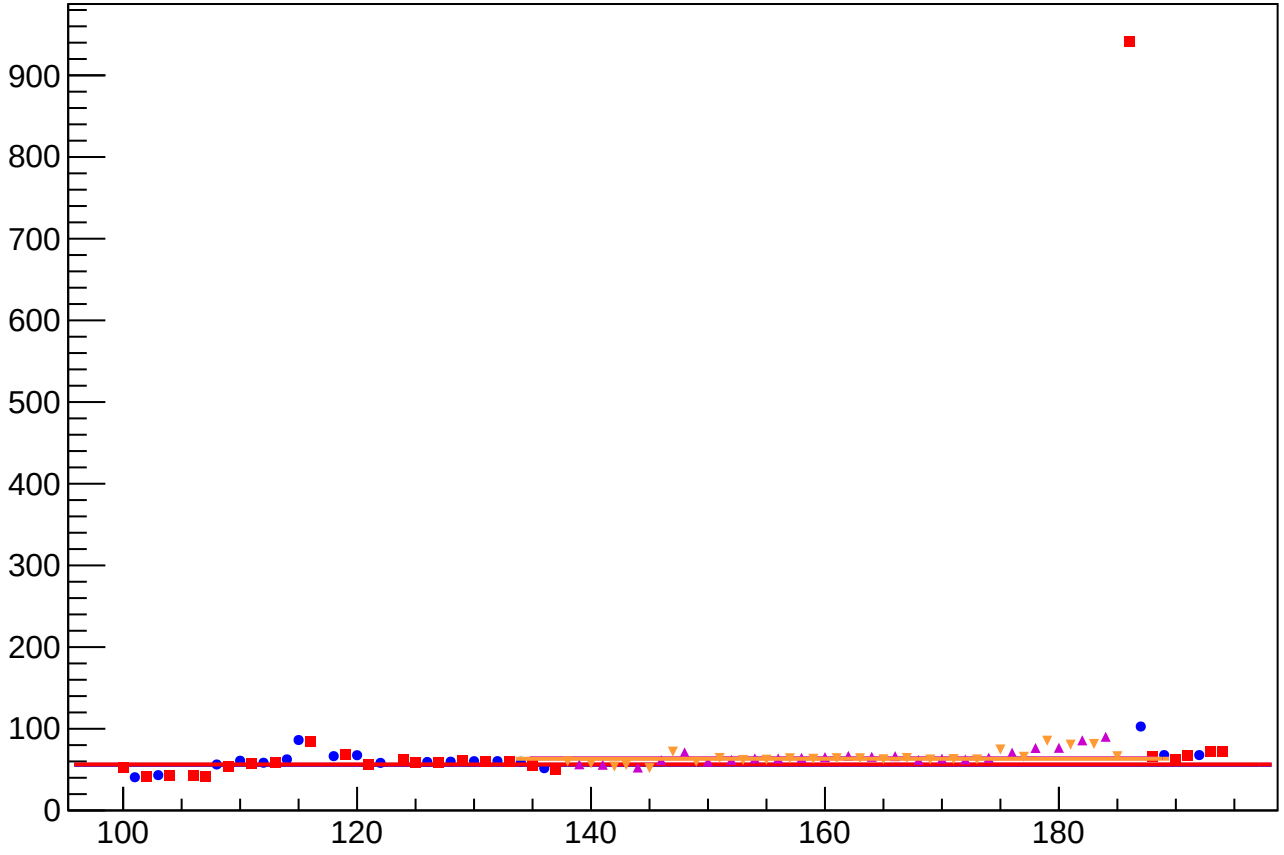
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.814+/-11.547 χ^2/NDF: 56.3/43

All: -10.326+/-8.124 χ^2/NDF: 133.0/91

- sign -44.773+/-11.433 χ^2/NDF: 58.3/47

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: 56.326+/-0.012 χ^2/NDF: 1432409.9/24

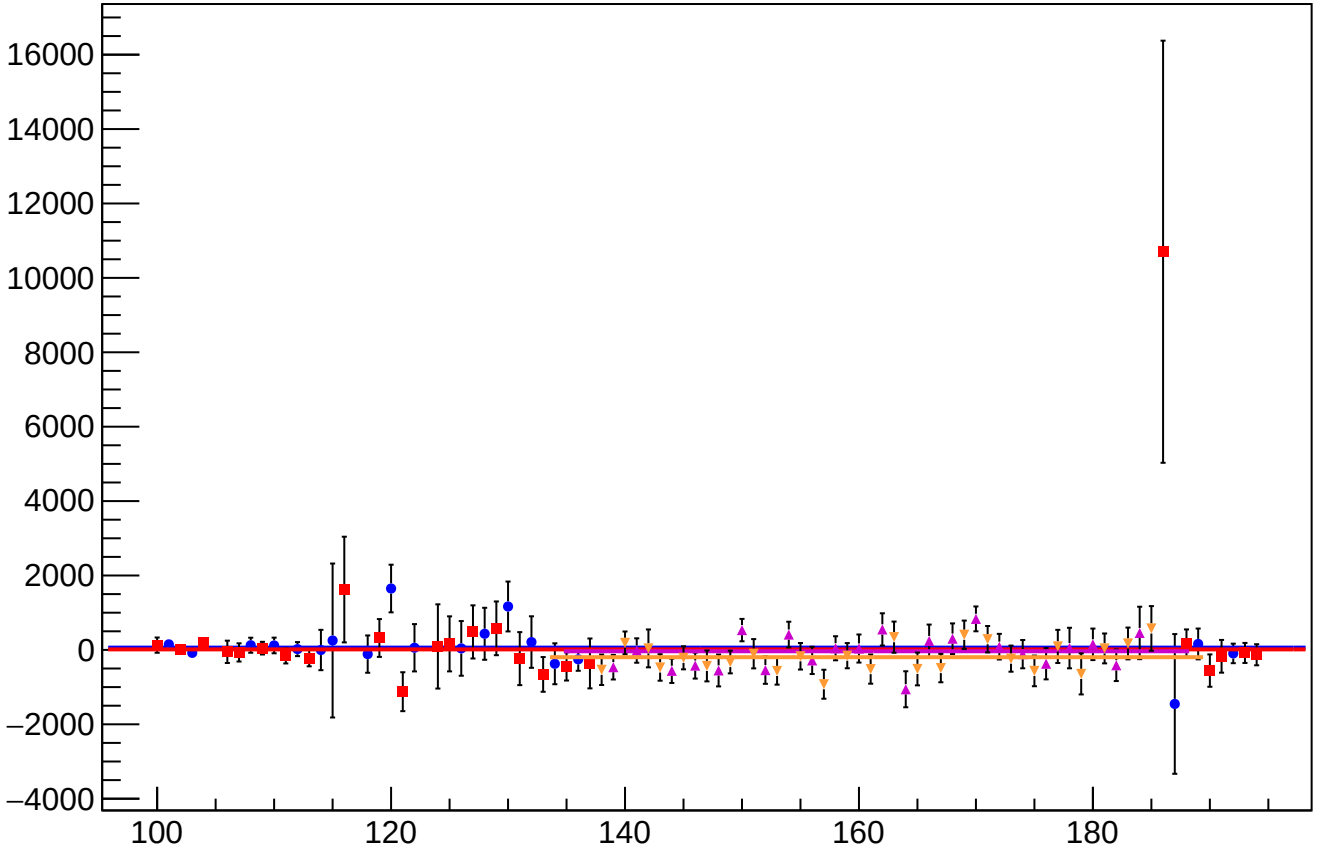
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.590+/-0.008 χ^2/NDF: 1271341.0/43

All: 60.652+/-0.006 χ^2/NDF: 3364331.2/91

- sign 60.713+/-0.008 χ^2/NDF: 2092875.2/47

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: 13.879+/-47.701 χ^2/NDF: 24.1/24

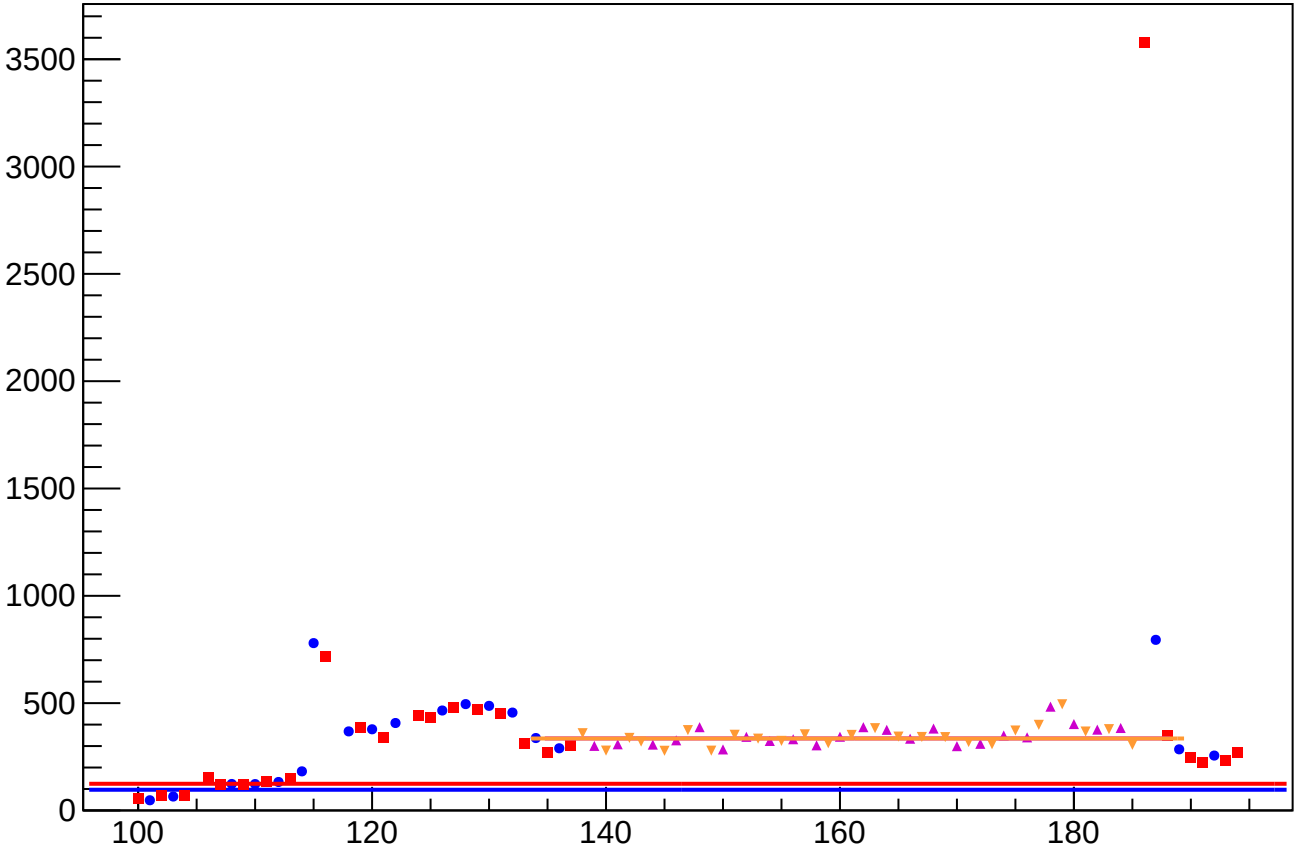
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -5.131+/-39.169 χ^2/NDF: 45.6/43

All: -2.438+/-28.277 χ^2/NDF: 101.1/91

- sign 0.494+/-40.863 χ^2/NDF: 55.5/47

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: 124.278+/-0.034 χ^2/NDF: 8182253.1/24

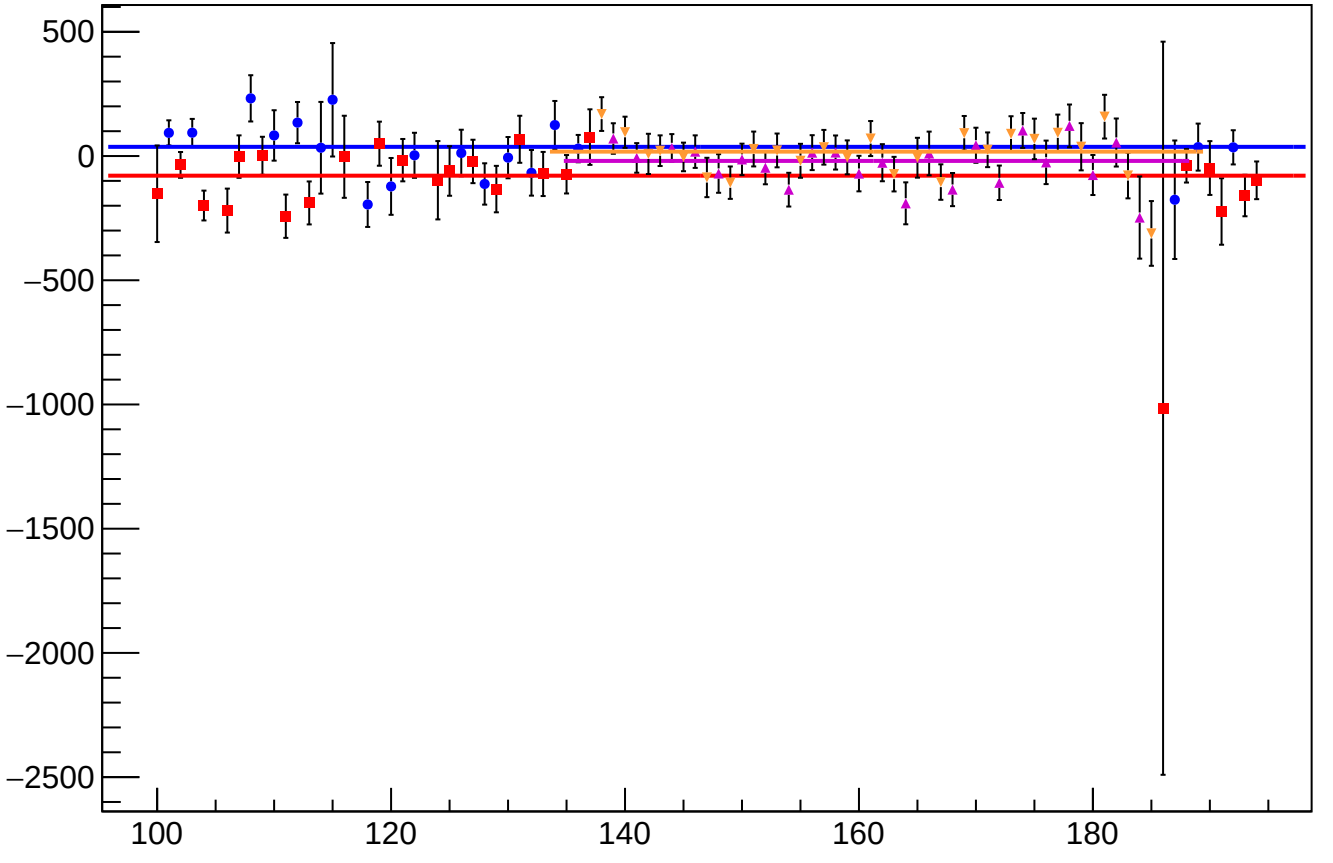
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 158.105+/-0.028 χ^2/NDF: 22934217.5/43

All: 168.828+/-0.020 χ^2/NDF: 42363980.8/91

- sign 180.499+/-0.029 χ^2/NDF: 19116715.8/47

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: -79.064+/-17.597 χ^2/NDF: 25.4/24

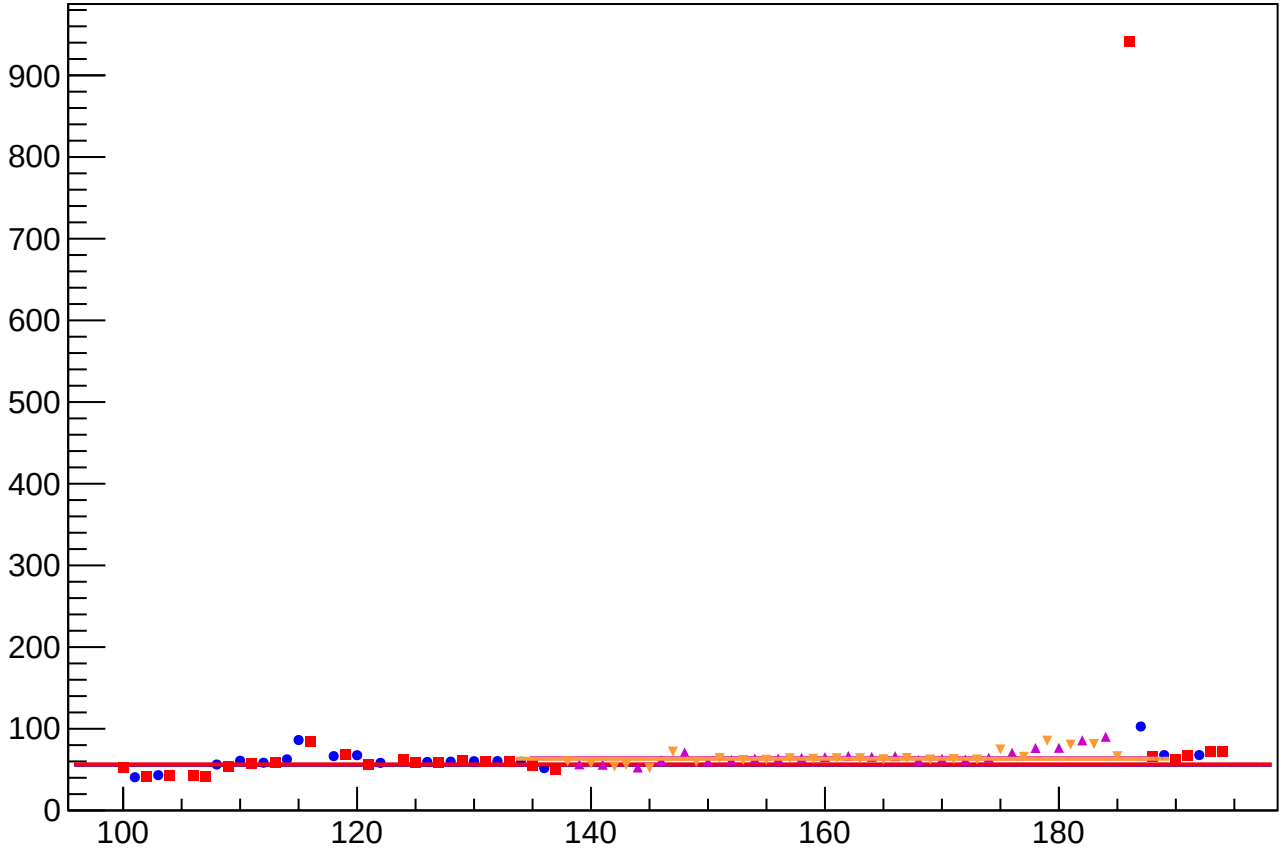
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.820+/-11.547 χ^2/NDF: 56.3/43

All: -10.298+/-8.125 χ^2/NDF: 132.8/91

- sign -44.726+/-11.433 χ^2/NDF: 58.2/47

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: 56.324+/-0.012 χ^2/NDF: 1432787.7/24

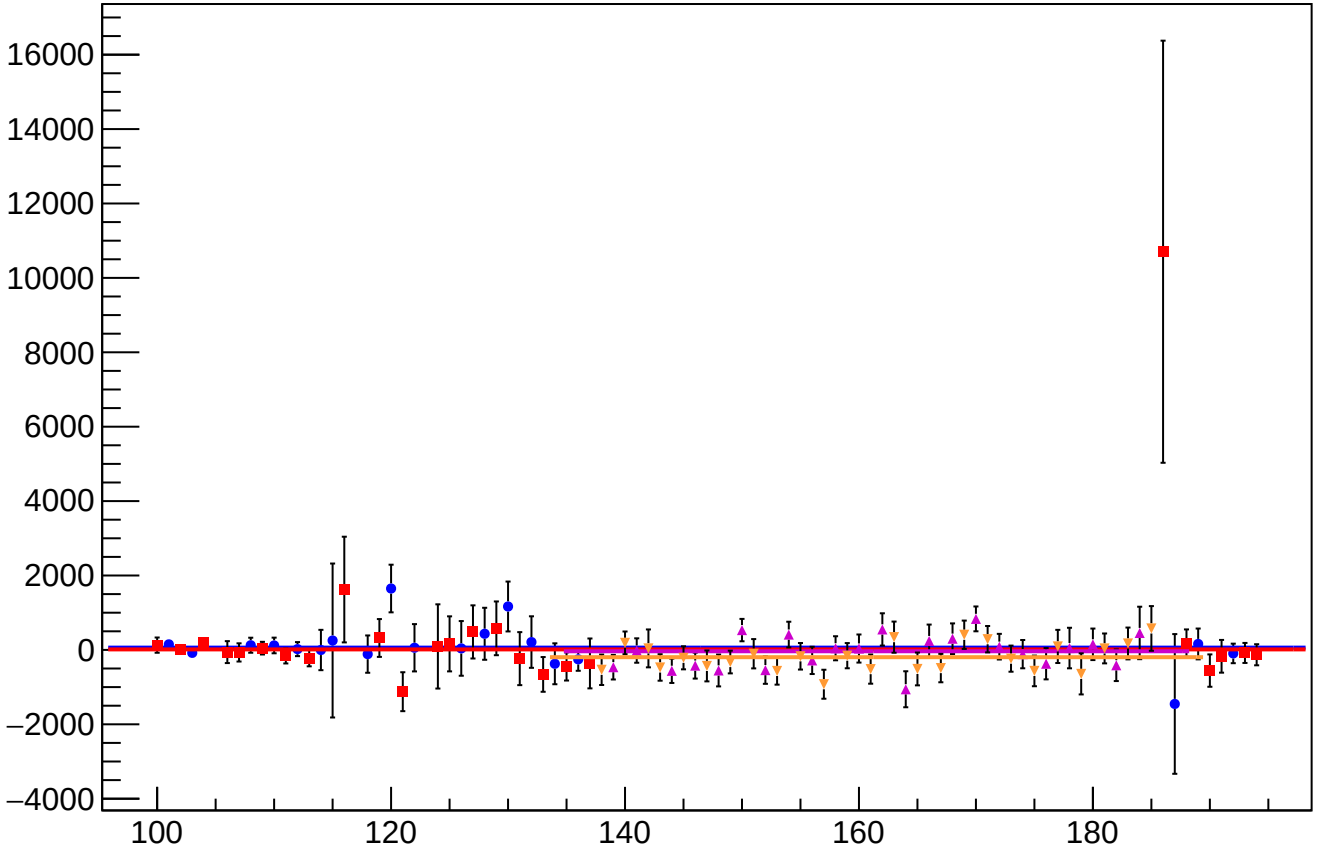
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.590+/-0.008 χ^2/NDF: 1271339.9/43

All: 60.652+/-0.006 χ^2/NDF: 3364772.2/91

- sign 60.713+/-0.008 χ^2/NDF: 2093318.0/47

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: 13.502+/-47.664 χ^2/NDF: 24.1/24

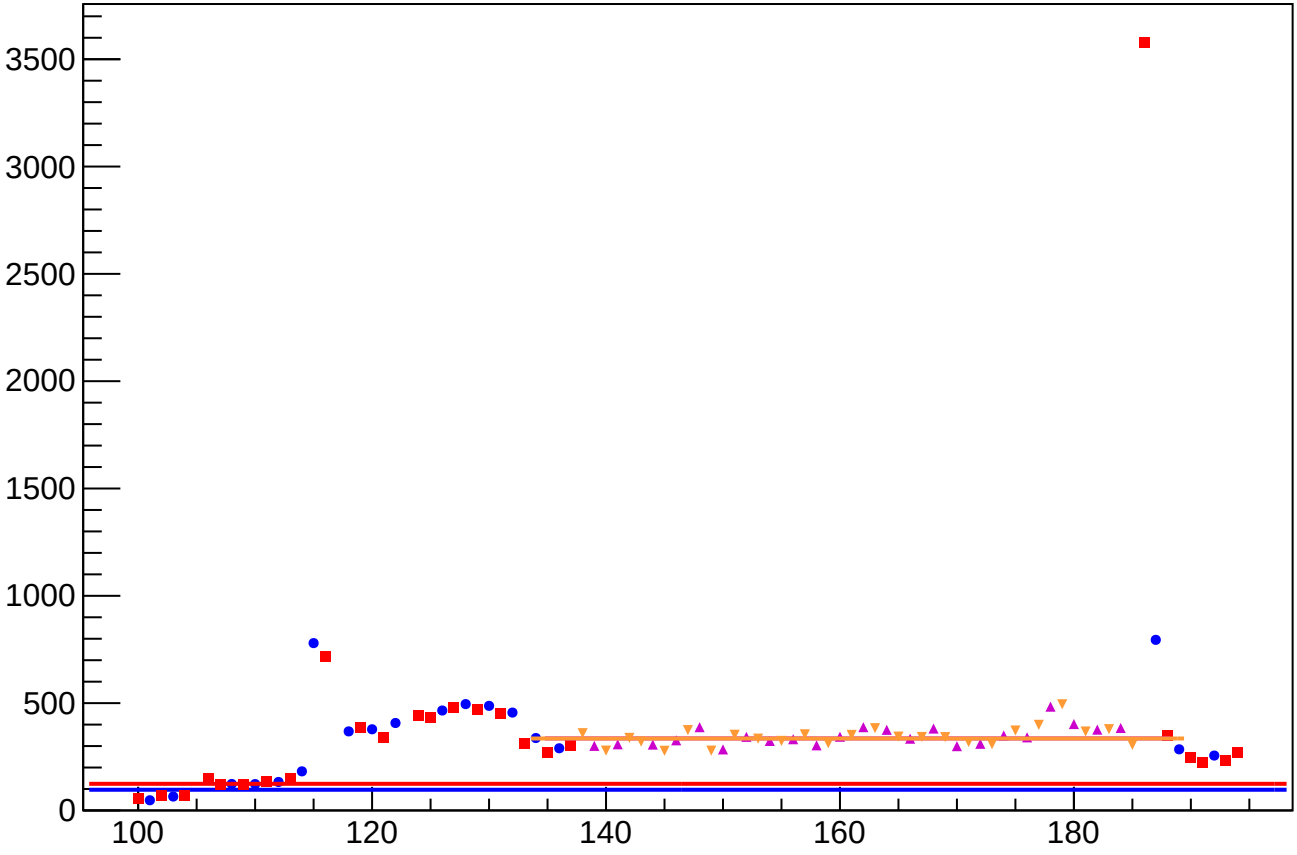
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -5.125+/-39.168 χ^2/NDF: 45.6/43

All: -2.558+/-28.269 χ^2/NDF: 101.1/91

- sign 0.232+/-40.840 χ^2/NDF: 55.5/47

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: 124.093+/-0.034 χ^2/NDF: 8179100.6/24

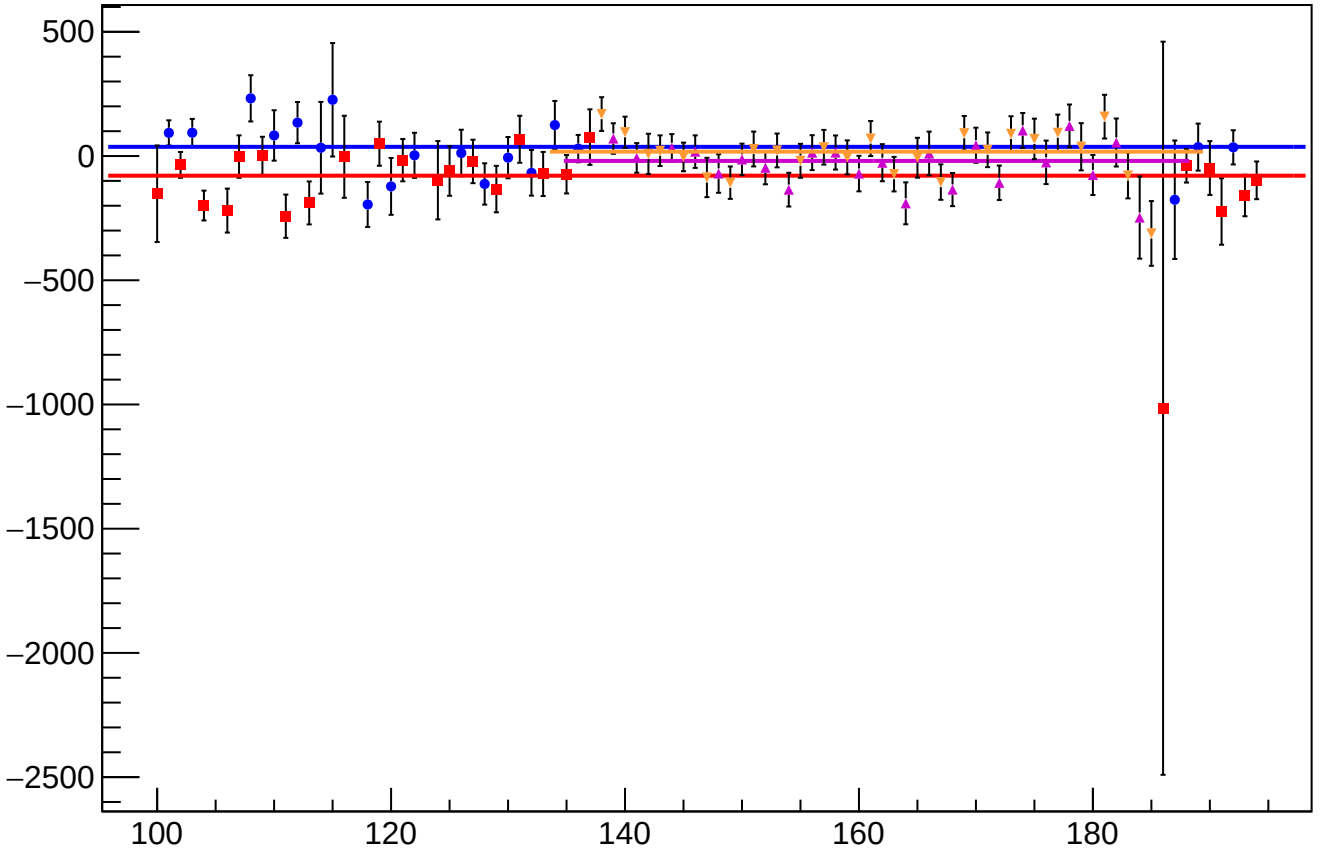
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 158.101+/-0.028 χ^2/NDF: 22934826.7/43

All: 168.737+/-0.020 χ^2/NDF: 42378741.2/91

- sign 180.300+/-0.029 χ^2/NDF: 19136110.7/47

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: -79.064+/-17.597 χ^2/NDF: 25.4/24

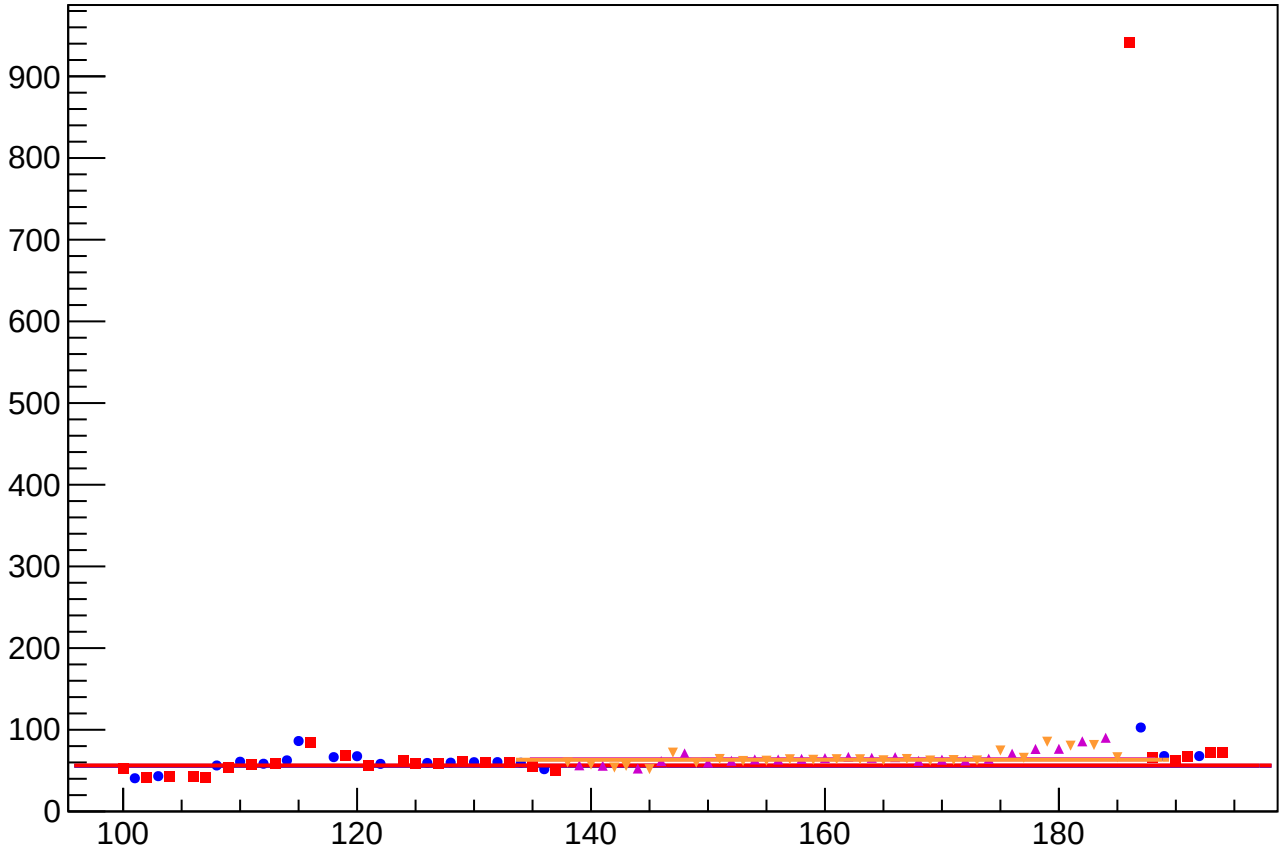
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.820+/-11.547 χ^2/NDF: 56.3/43

All: -10.298+/-8.125 χ^2/NDF: 132.8/91

- sign -44.726+/-11.433 χ^2/NDF: 58.2/47

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

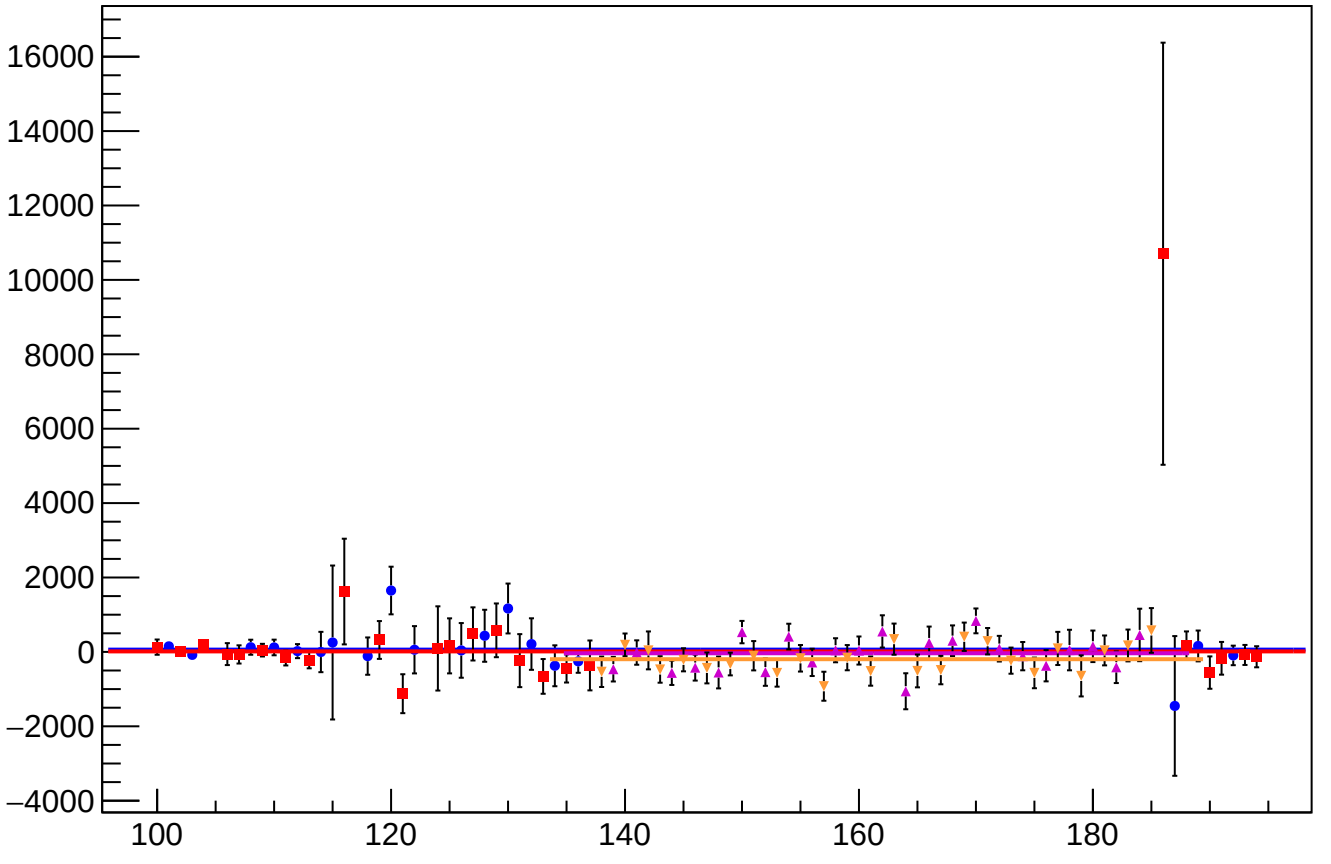
Right Out: 56.324+/-0.012 χ^2/NDF: 1432787.7/24

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.590+/-0.008 χ^2/NDF: 1271339.9/43

All: 60.652+/-0.006 χ^2/NDF: 3364772.2/91

- sign 60.713+/-0.008 χ^2/NDF: 2093318.0/47



Right In: 61.281+/-45.476 χ^2/NDF: 16.8/18

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 13.502+/-47.664 χ^2/NDF: 24.1/24

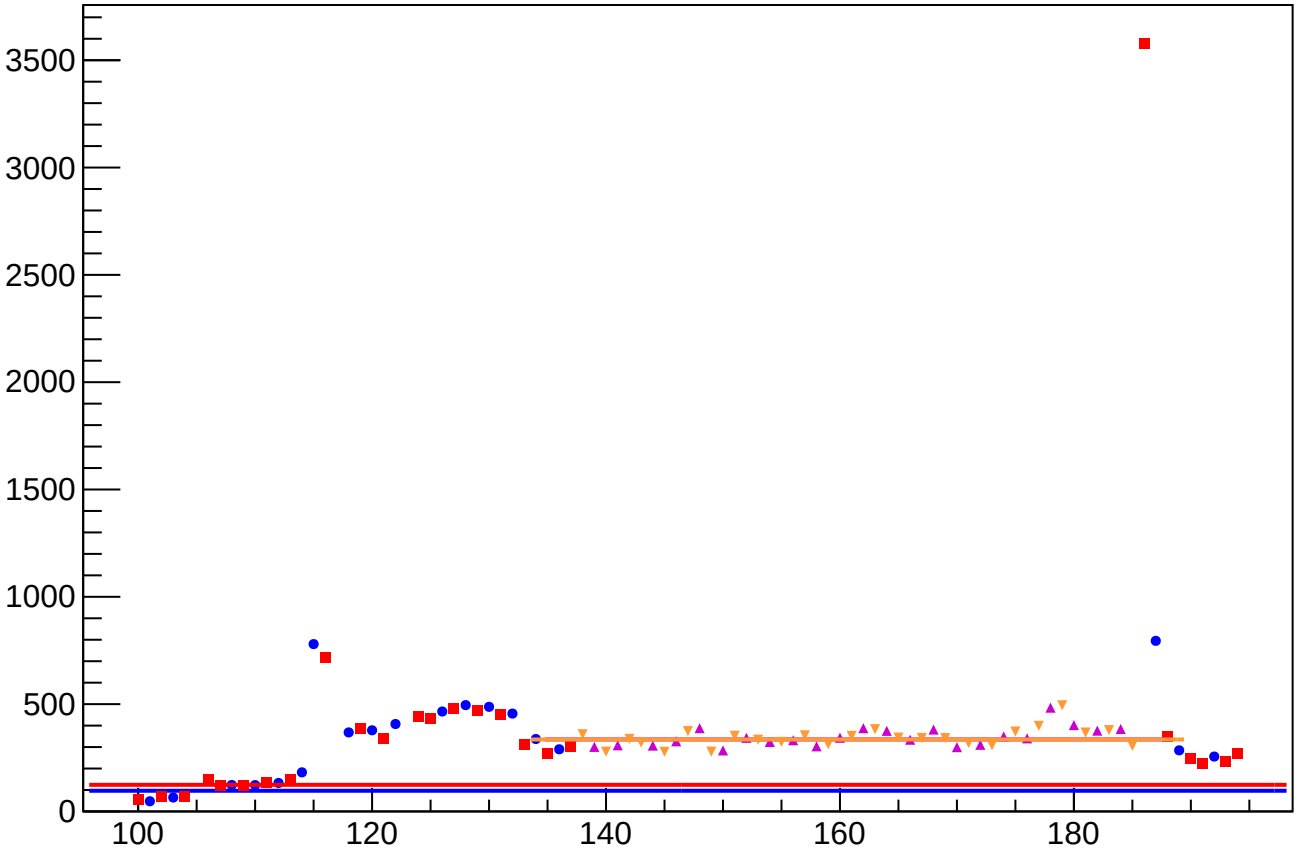
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -5.125+/-39.168 χ^2/NDF: 45.6/43

All: -2.558+/-28.269 χ^2/NDF: 101.1/91

- sign 0.232+/-40.840 χ^2/NDF: 55.5/47

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: 124.093+/-0.034 χ^2/NDF: 8179100.6/24

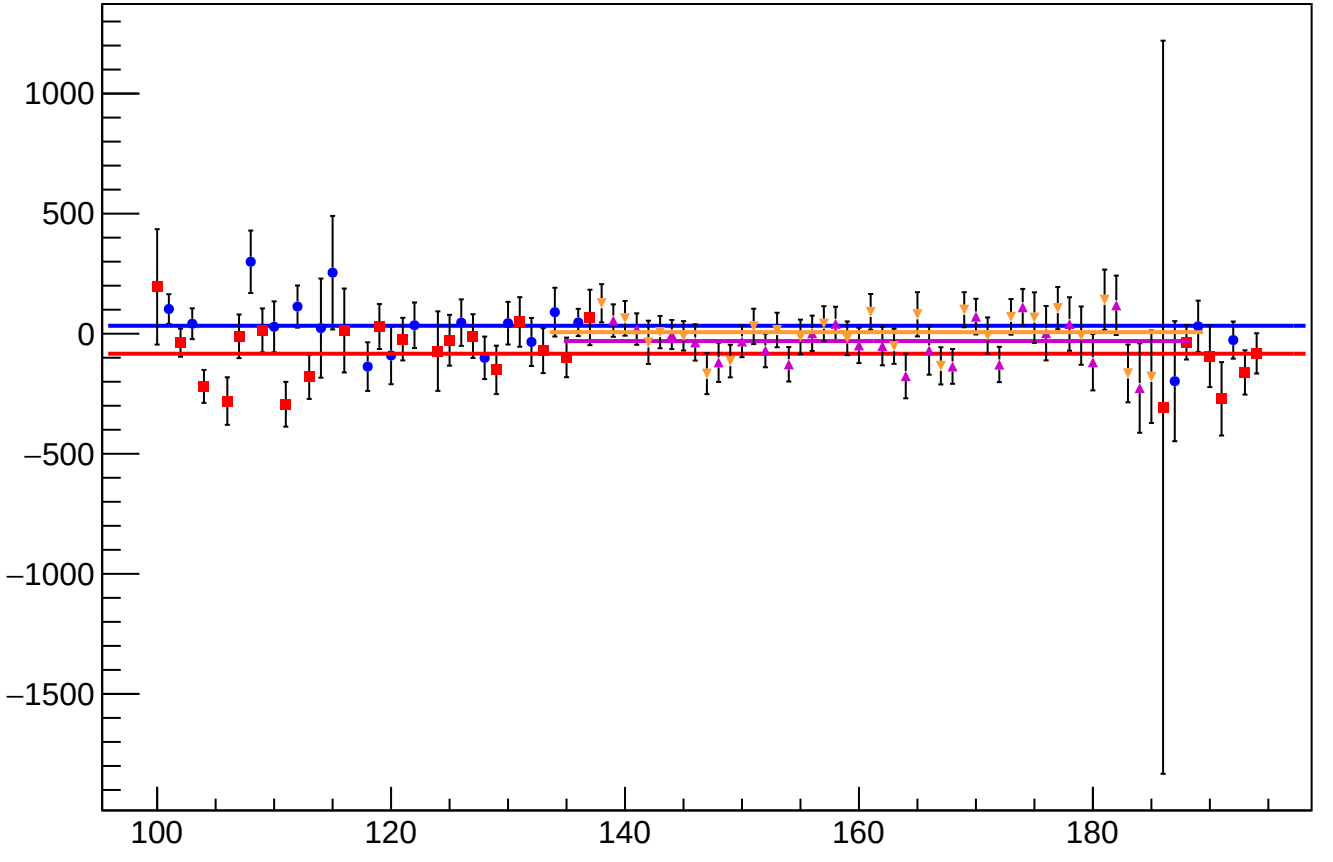
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 158.101+/-0.028 χ^2/NDF: 22934826.7/43

All: 168.737+/-0.020 χ^2/NDF: 42378741.2/91

- sign 180.300+/-0.029 χ^2/NDF: 19136110.7/47

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: -83.337+/-19.222 χ^2/NDF: 27.5/24

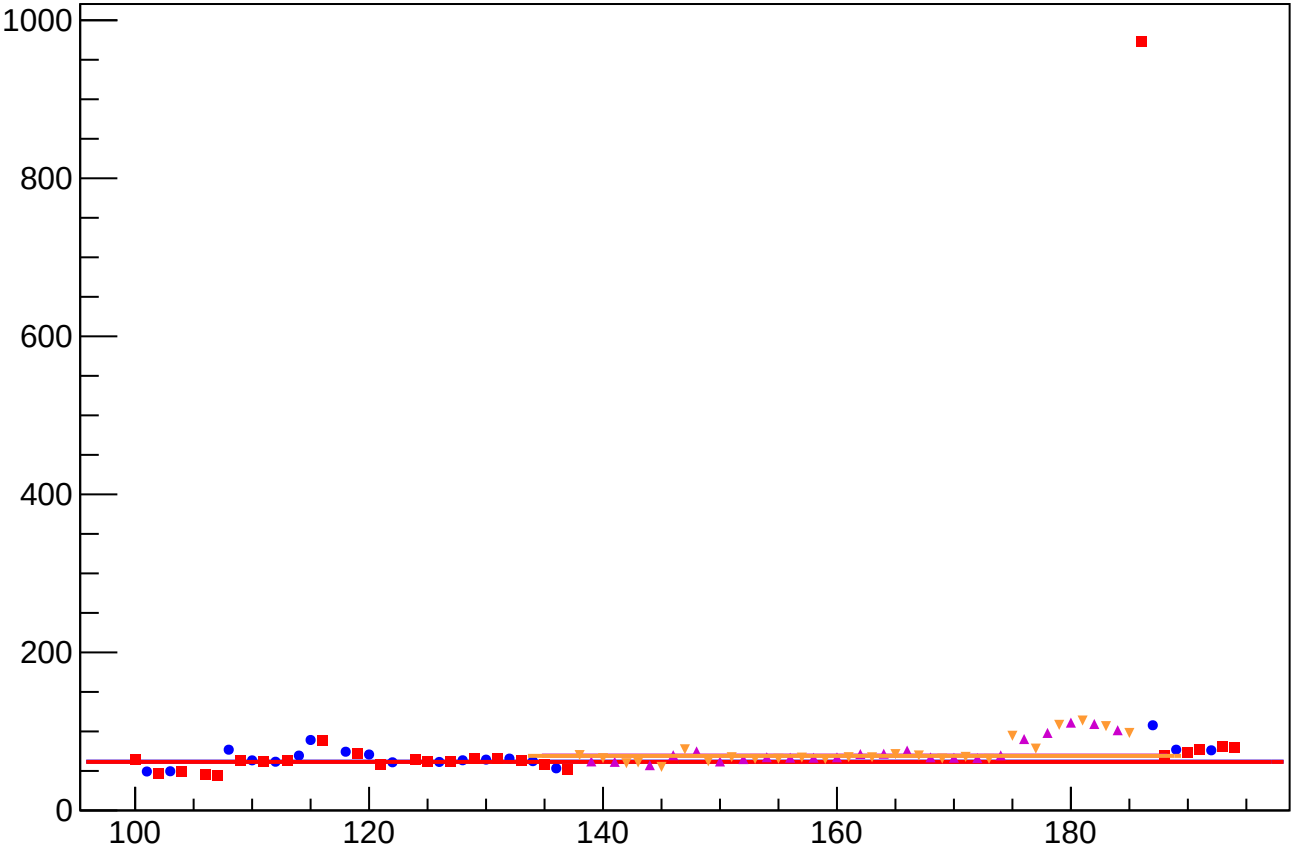
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 16.135+/-12.740 χ^2/NDF: 41.7/43

All: -19.038+/-8.930 χ^2/NDF: 111.1/91

- sign -53.014+/-12.521 χ^2/NDF: 54.3/47

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: 61.447+/-0.014 χ^2/NDF: 1376364.6/24

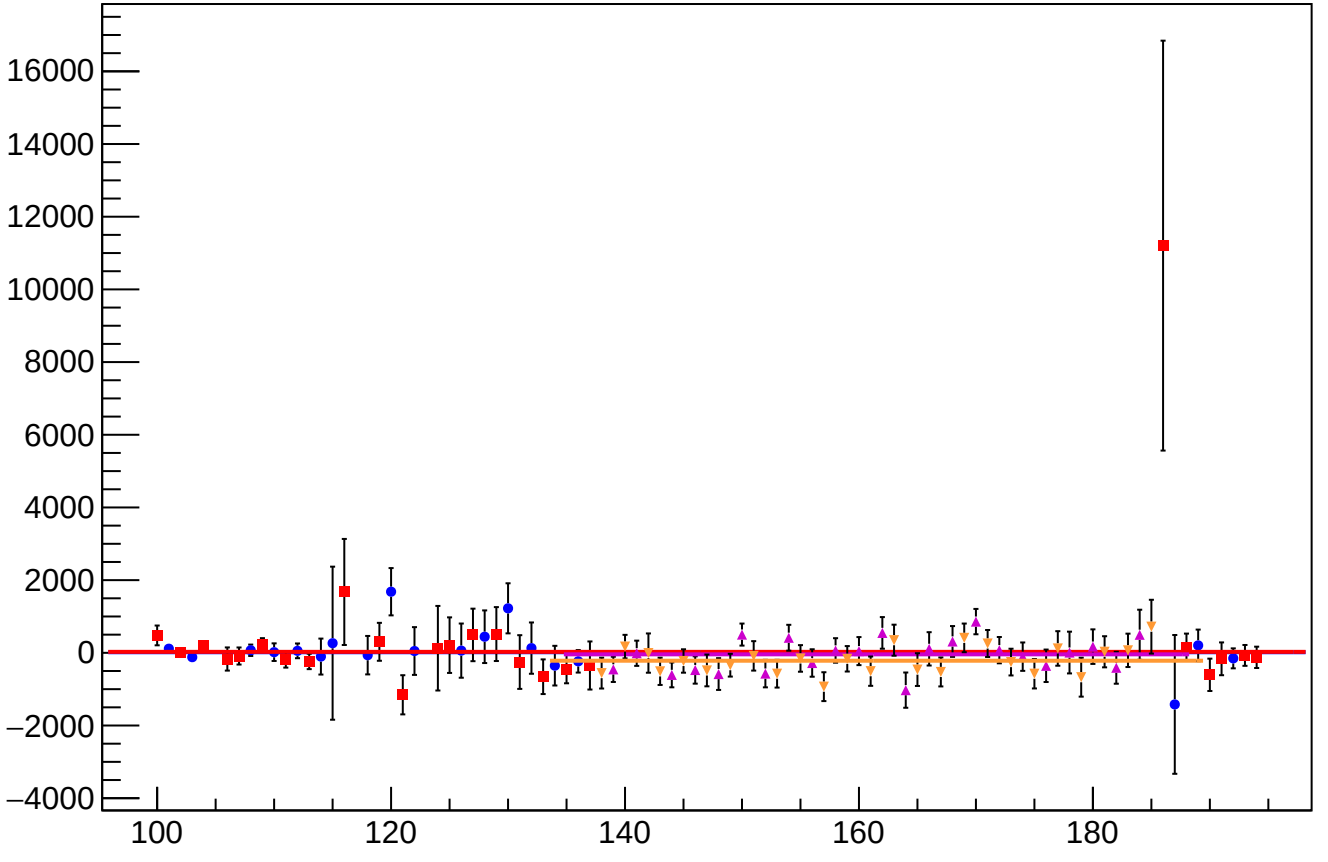
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 66.417+/-0.009 χ^2/NDF: 1706583.8/43

All: 66.228+/-0.006 χ^2/NDF: 4207340.5/91

- sign 66.046+/-0.009 χ^2/NDF: 2499891.2/47

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: 26.846+/-50.370 χ^2/NDF: 28.2/24

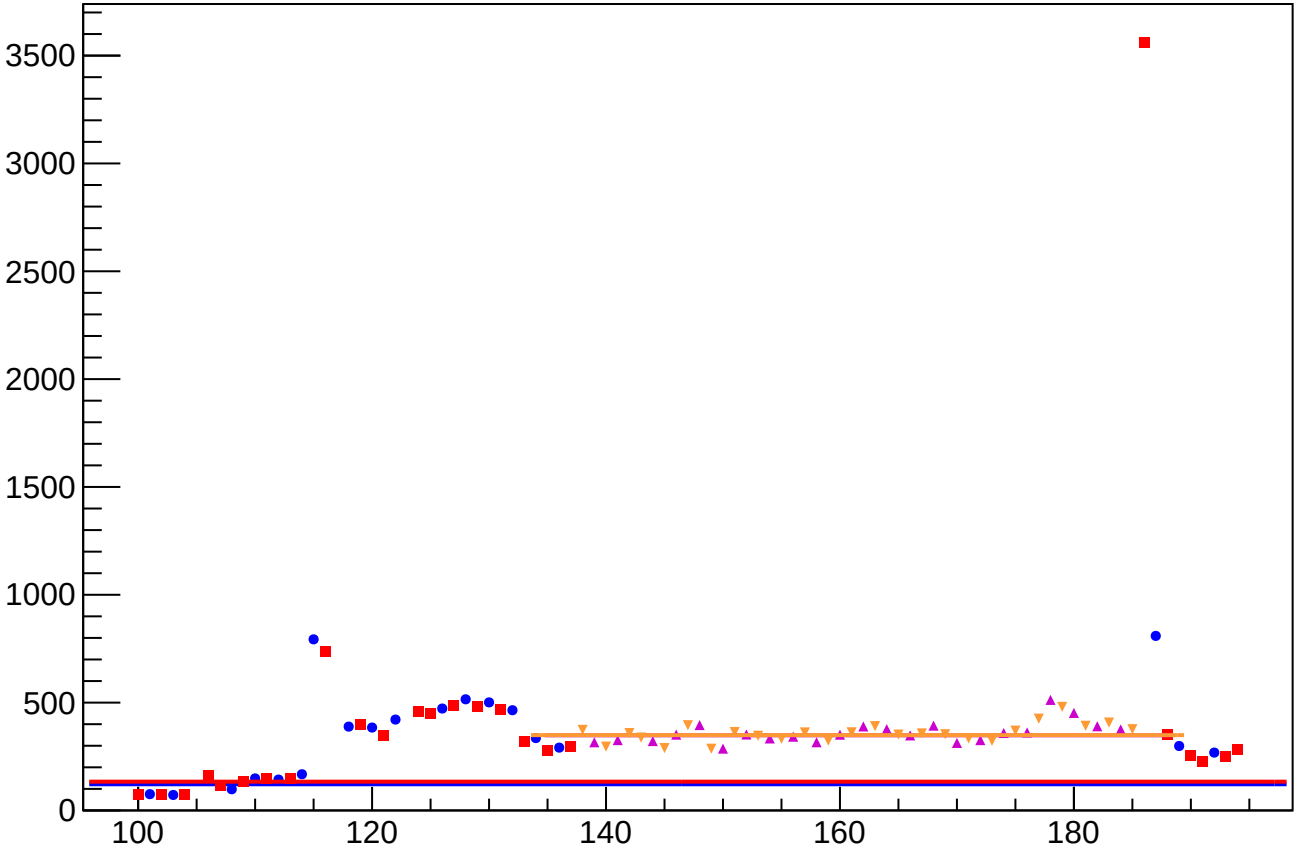
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -53.387+/-43.734 χ^2/NDF: 41.0/43

All: -22.038+/-30.646 χ^2/NDF: 100.8/91

- sign 8.204+/-42.956 χ^2/NDF: 58.7/47

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: 133.455+/-0.036 χ^2/NDF: 7848884.4/24

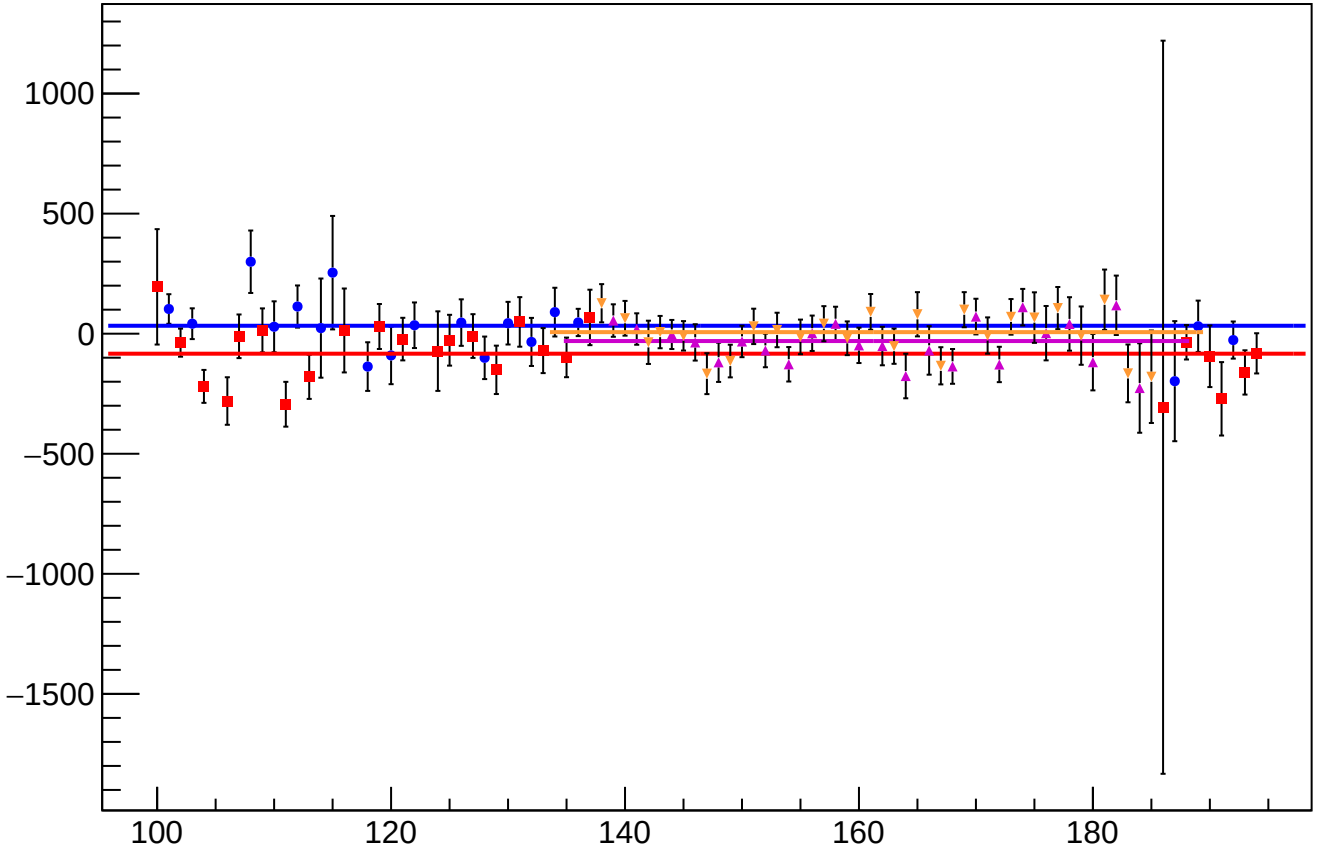
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 189.314+/-0.031 χ^2/NDF: 18678844.5/43

All: 190.741+/-0.022 χ^2/NDF: 37004820.7/91

- sign 192.117+/-0.030 χ^2/NDF: 18321794.5/47

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: -83.337+/-19.222 χ^2/NDF: 27.5/24

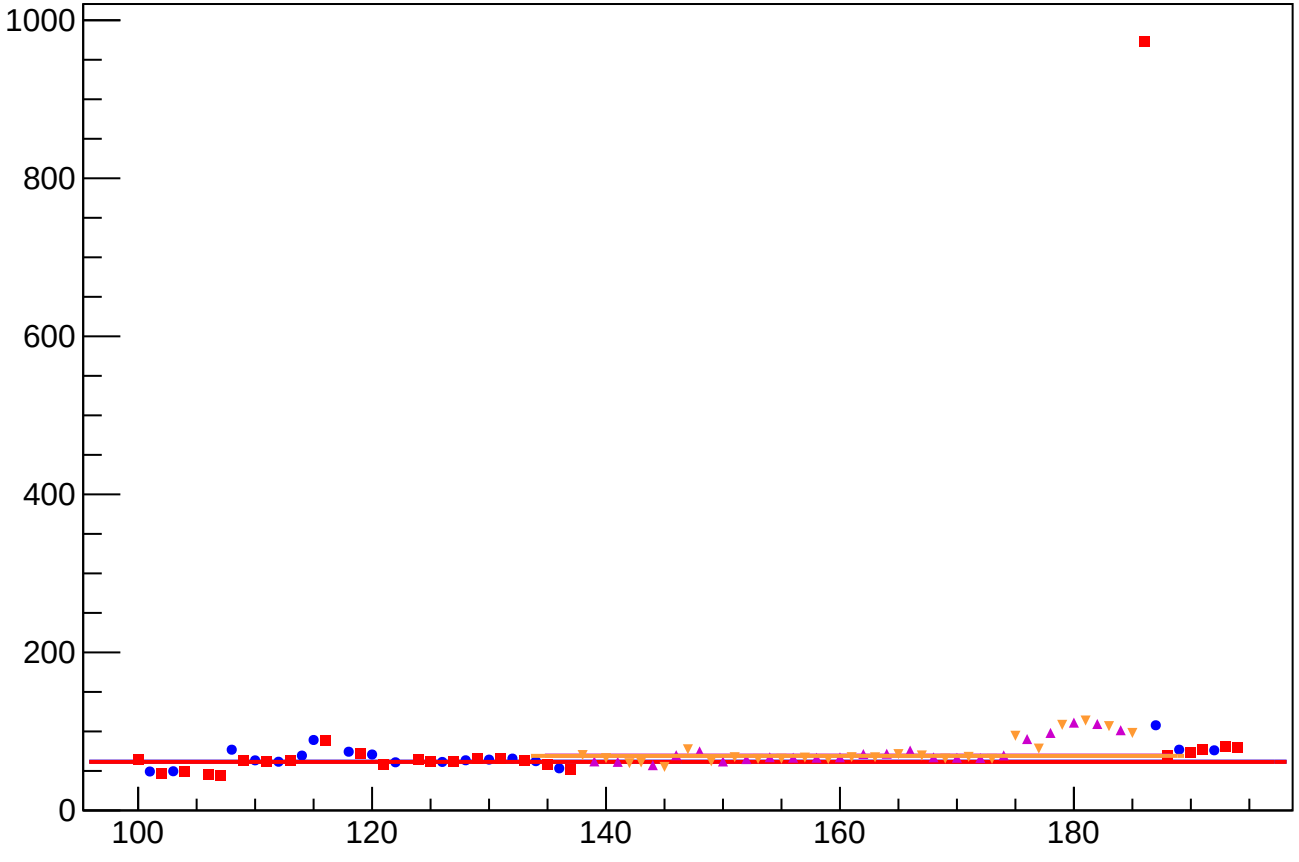
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 16.135+/-12.740 χ^2/NDF: 41.7/43

All: -19.038+/-8.930 χ^2/NDF: 111.1/91

- sign -53.014+/-12.521 χ^2/NDF: 54.3/47

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

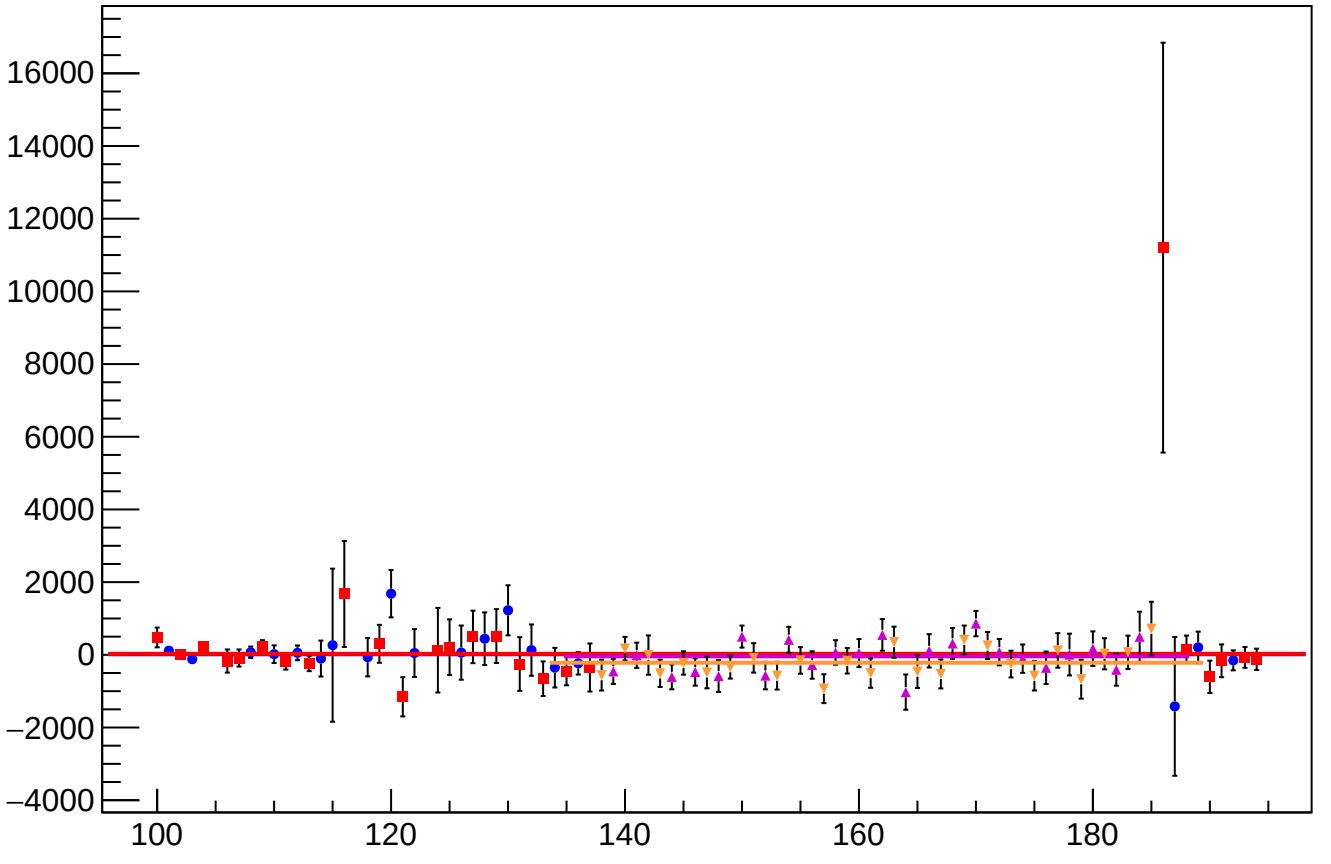
Right Out: 61.447+/-0.014 χ^2/NDF: 1376362.9/24

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 66.417+/-0.009 χ^2/NDF: 1706575.2/43

All: 66.229+/-0.006 χ^2/NDF: 4207324.9/91

- sign 66.046+/-0.009 χ^2/NDF: 2499884.5/47



Right In: 16.170+/-52.193 χ^2/NDF: 15.8/18

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: 26.846+/-50.370 χ^2/NDF: 28.2/24

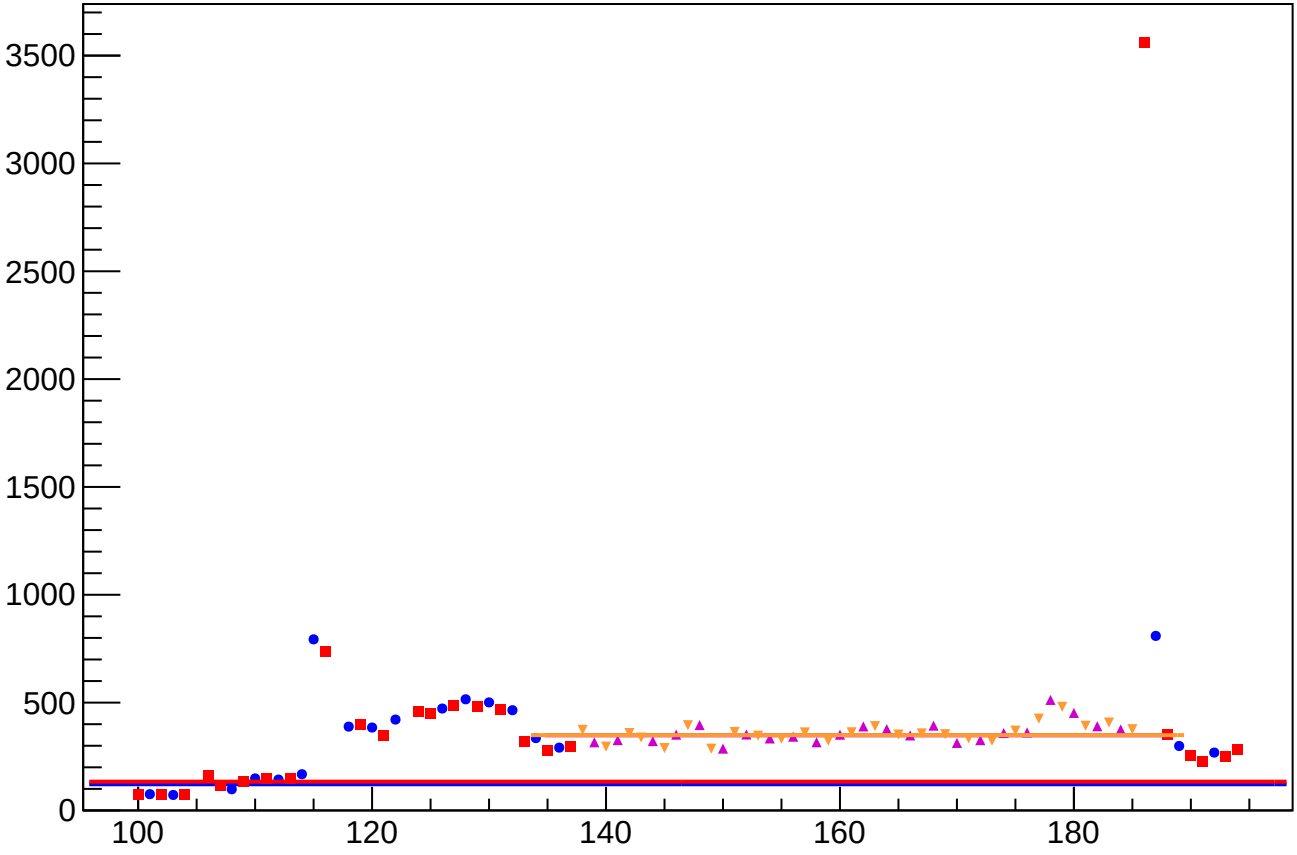
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -53.387+/-43.734 χ^2/NDF: 41.0/43

All: -22.038+/-30.646 χ^2/NDF: 100.8/91

- sign 8.204+/-42.956 χ^2/NDF: 58.7/47

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: 133.454+/-0.036 χ^2/NDF: 7848906.6/24

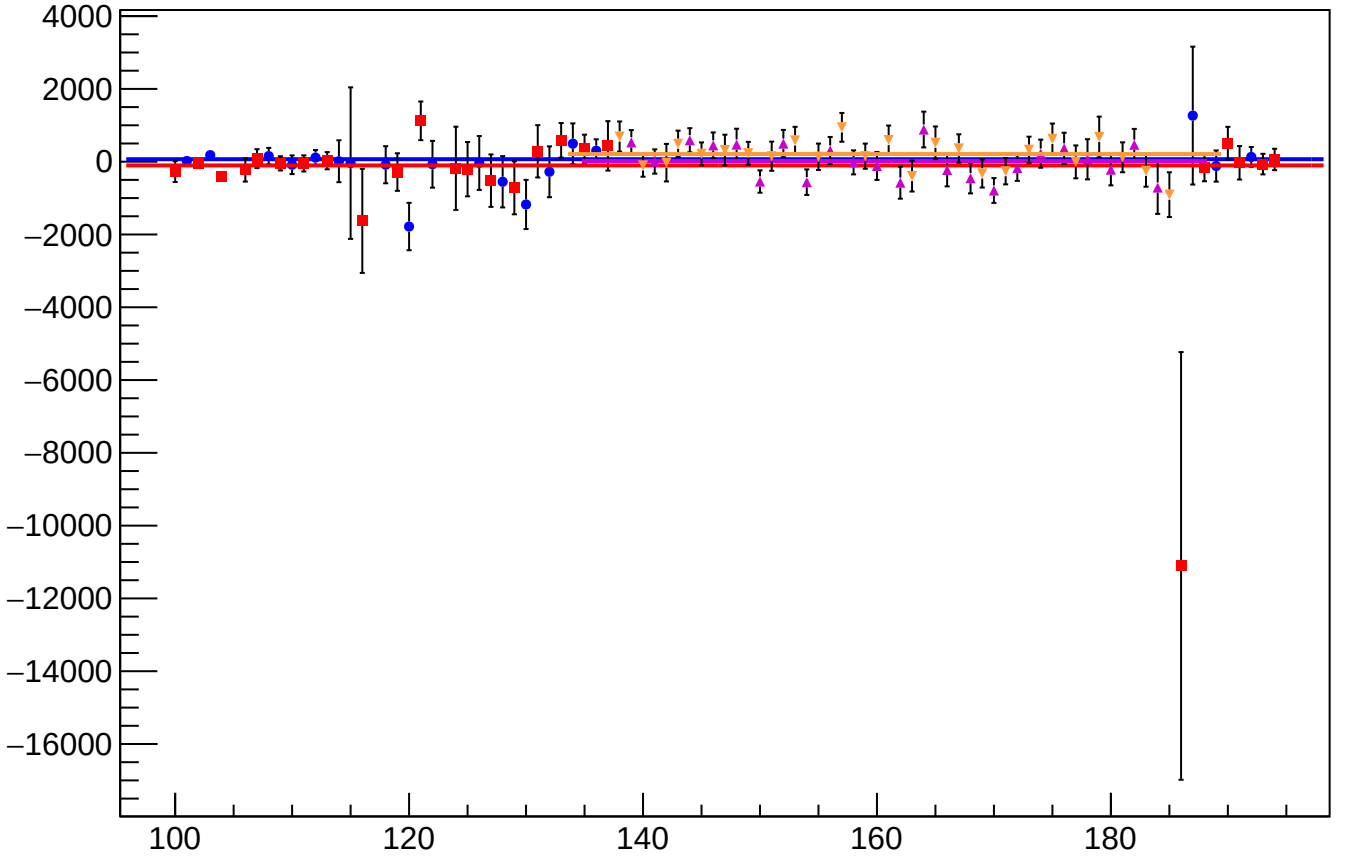
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 189.314+/-0.031 χ^2/NDF: 18678908.8/43

All: 190.740+/-0.022 χ^2/NDF: 37004981.4/91

- sign 192.117+/-0.030 χ^2/NDF: 18321891.3/47

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: -102.834+/-54.335 χ^2/NDF: 27.0/24

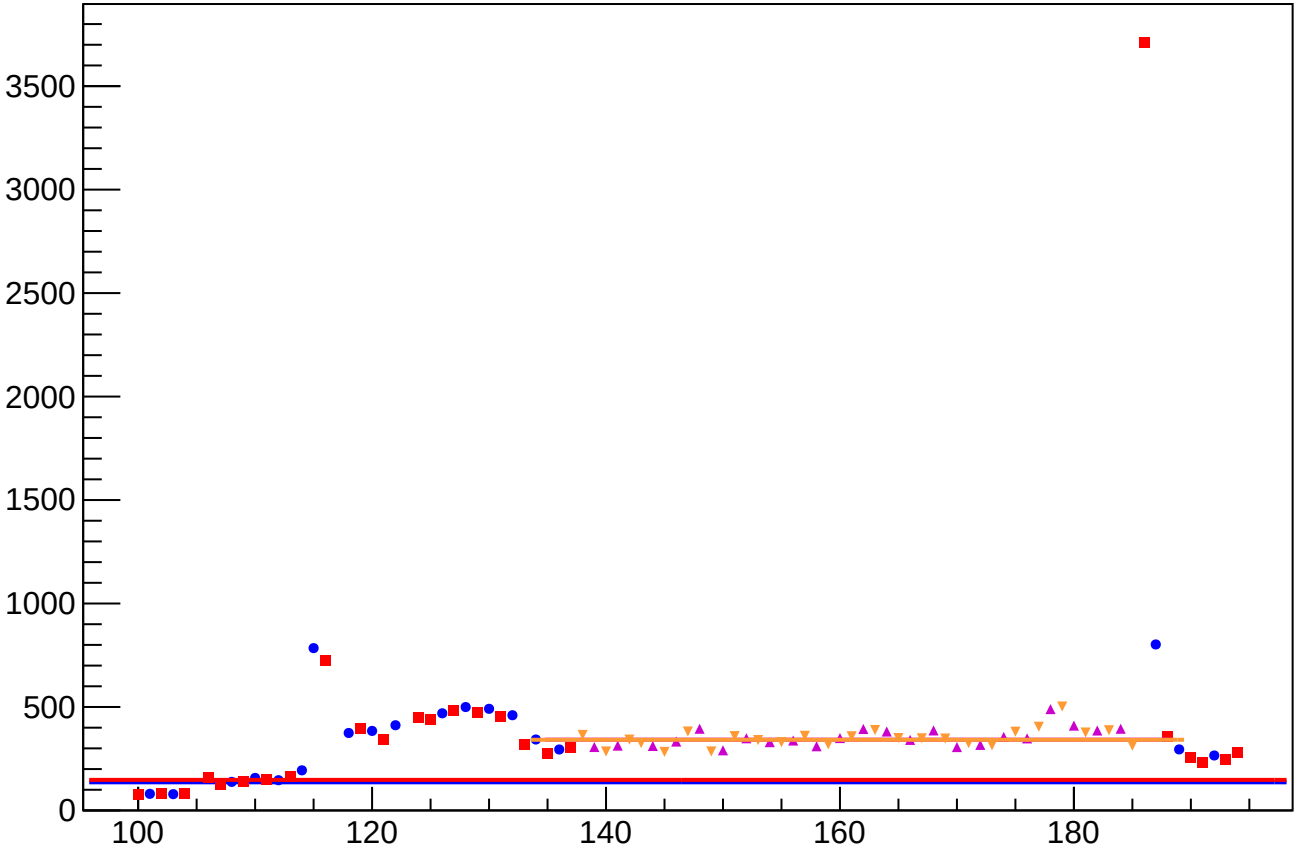
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 117.372+/-46.270 χ^2/NDF: 40.0/43

All: 23.837+/-32.286 χ^2/NDF: 108.5/91

- sign -64.912+/-45.071 χ^2/NDF: 60.5/47

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

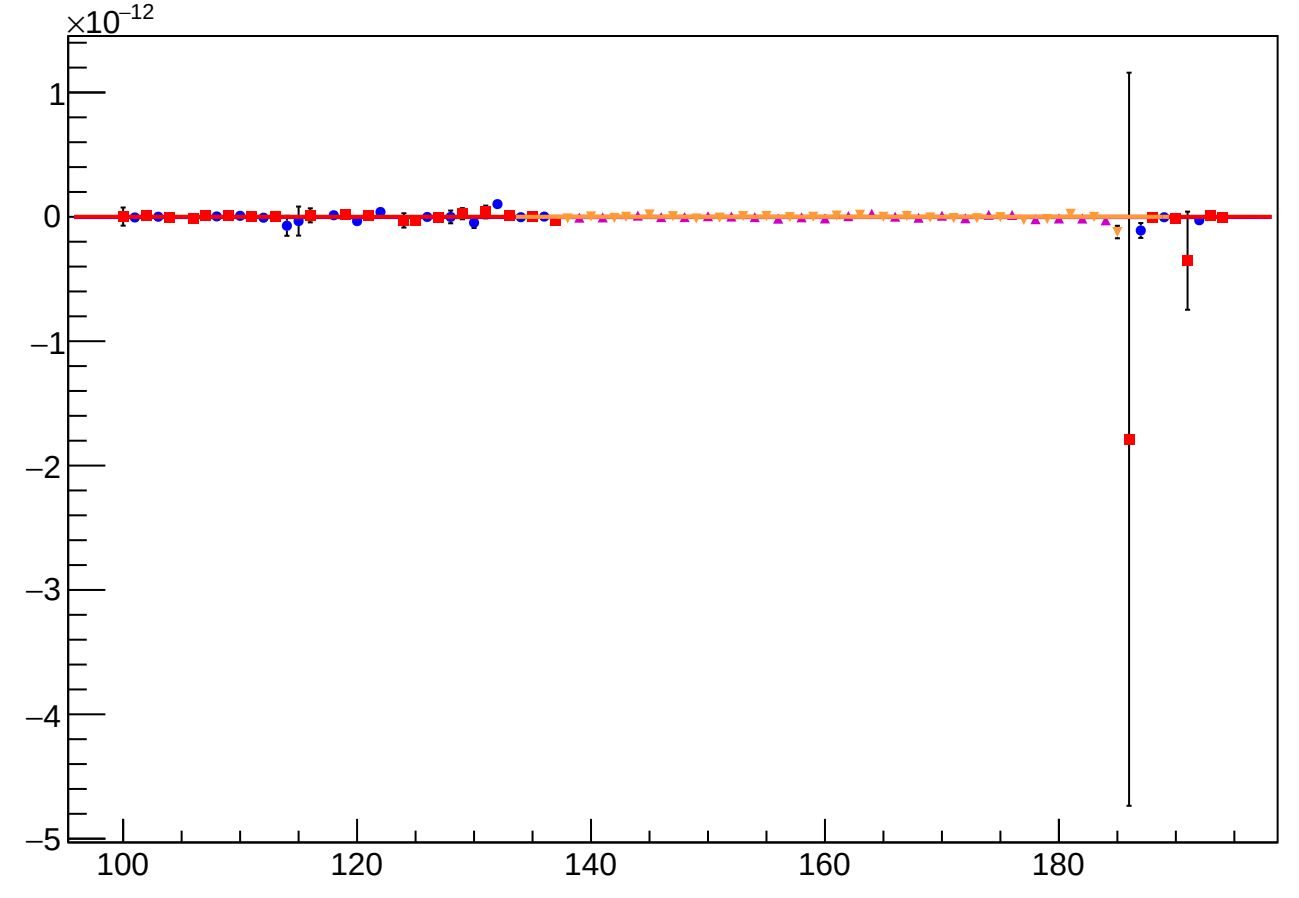
Right Out: 147.745+/-0.038 χ^2/NDF: 7034626.3/24

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 207.380+/-0.033 χ^2/NDF: 15759764.3/43

All: 207.863+/-0.023 χ^2/NDF: 31249527.5/91

- sign 208.321+/-0.032 χ^2/NDF: 15489339.2/47



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

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

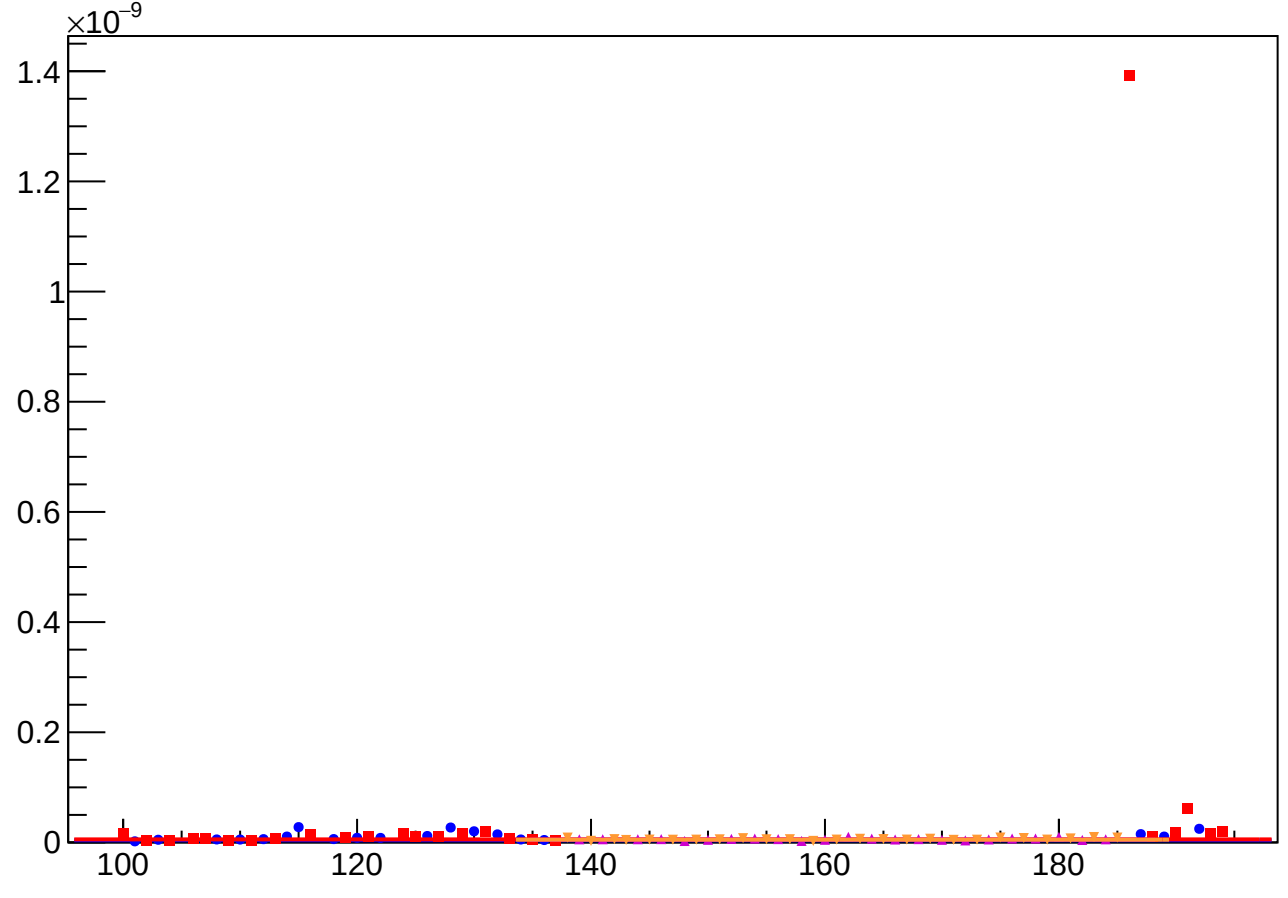
Right Out: 0.000+/-0.000 χ^2/NDF: 12.1/24

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.6/43

All: -0.000+/-0.000 χ^2/NDF: 83.4/91

- sign -0.000+/-0.000 χ^2/NDF: 32.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 3104709.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2951039.5/24

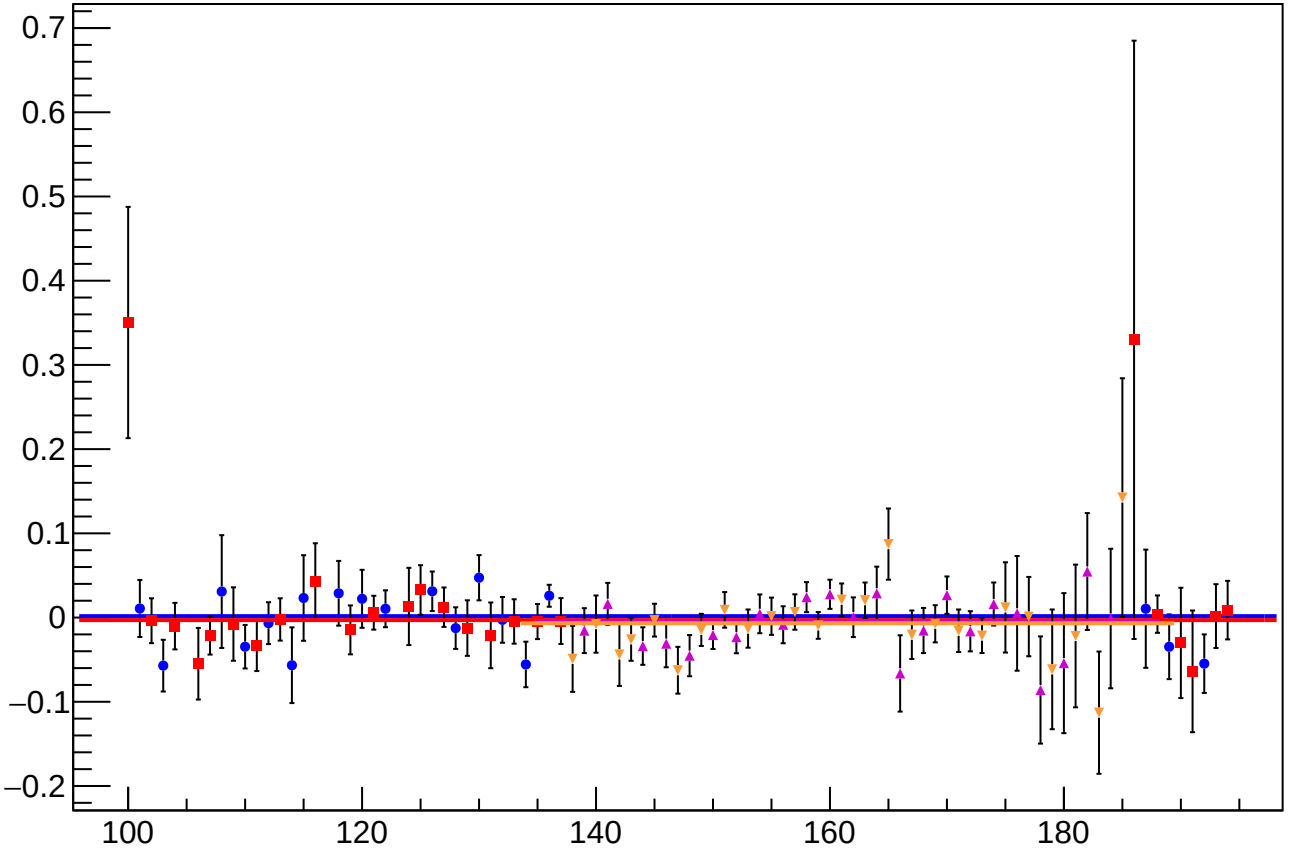
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4646971.0/43

All: 0.000+/-0.000 χ^2/NDF: 8986855.0/91

- sign 0.000+/-0.000 χ^2/NDF: 4221889.0/47

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: 15.6/24

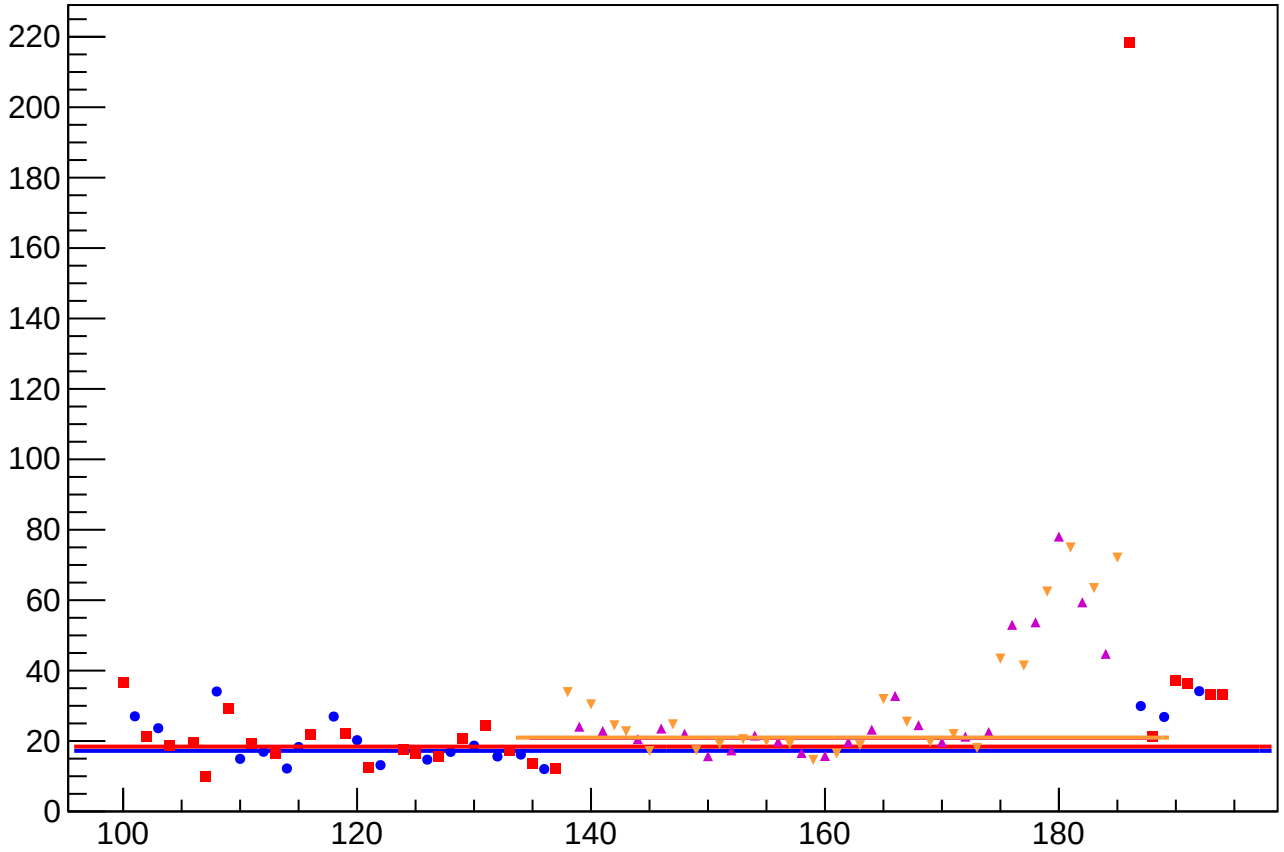
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 48.0/43

All: -0.004+/-0.003 χ^2/NDF: 86.8/91

- sign -0.004+/-0.004 χ^2/NDF: 38.8/47

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

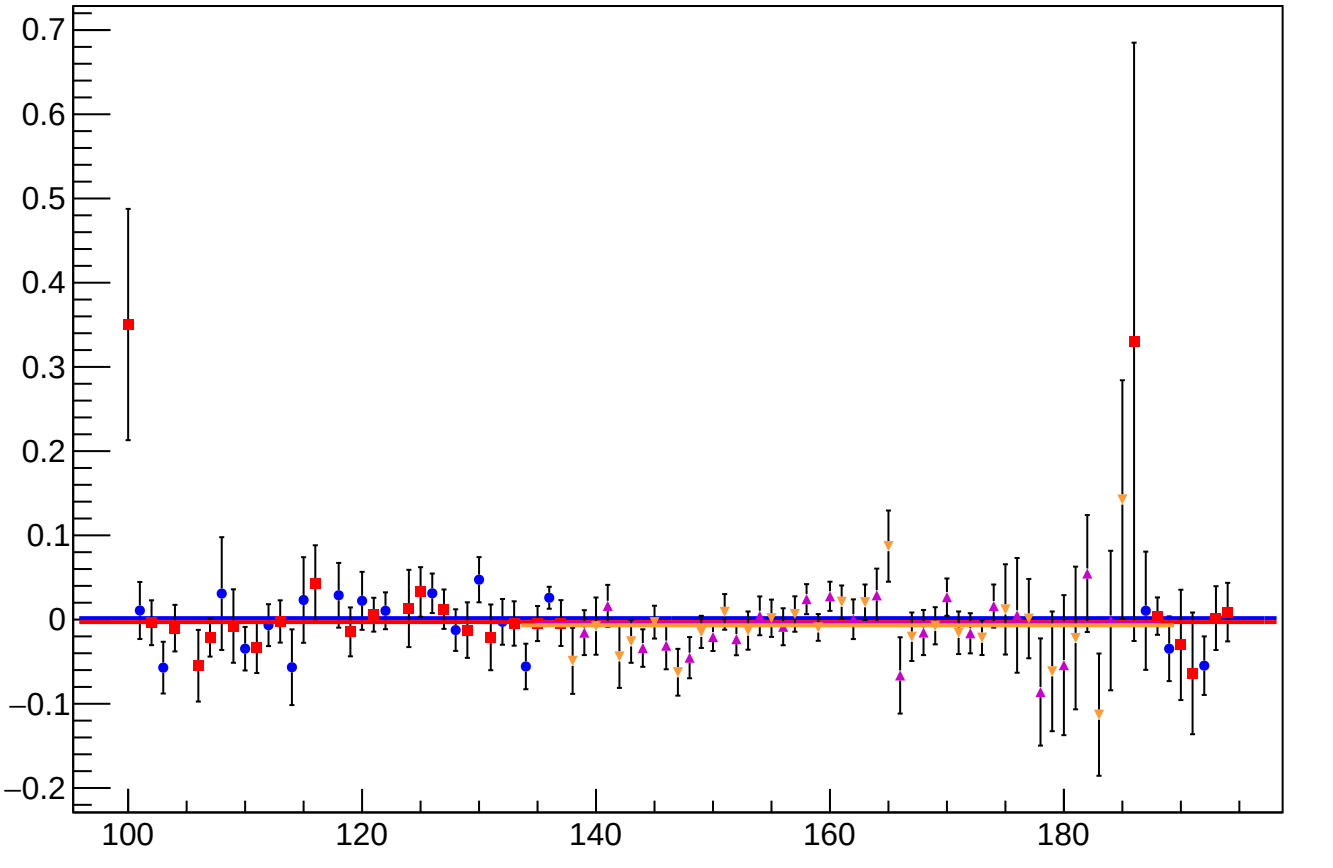
Right Out: 18.413+/-0.004 χ^2/NDF: 2608713.2/24

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.463+/-0.003 χ^2/NDF: 6546035.2/43

All: 19.641+/-0.002 χ^2/NDF: 12881693.4/91

- sign 19.817+/-0.003 χ^2/NDF: 6327901.6/47



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/18

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

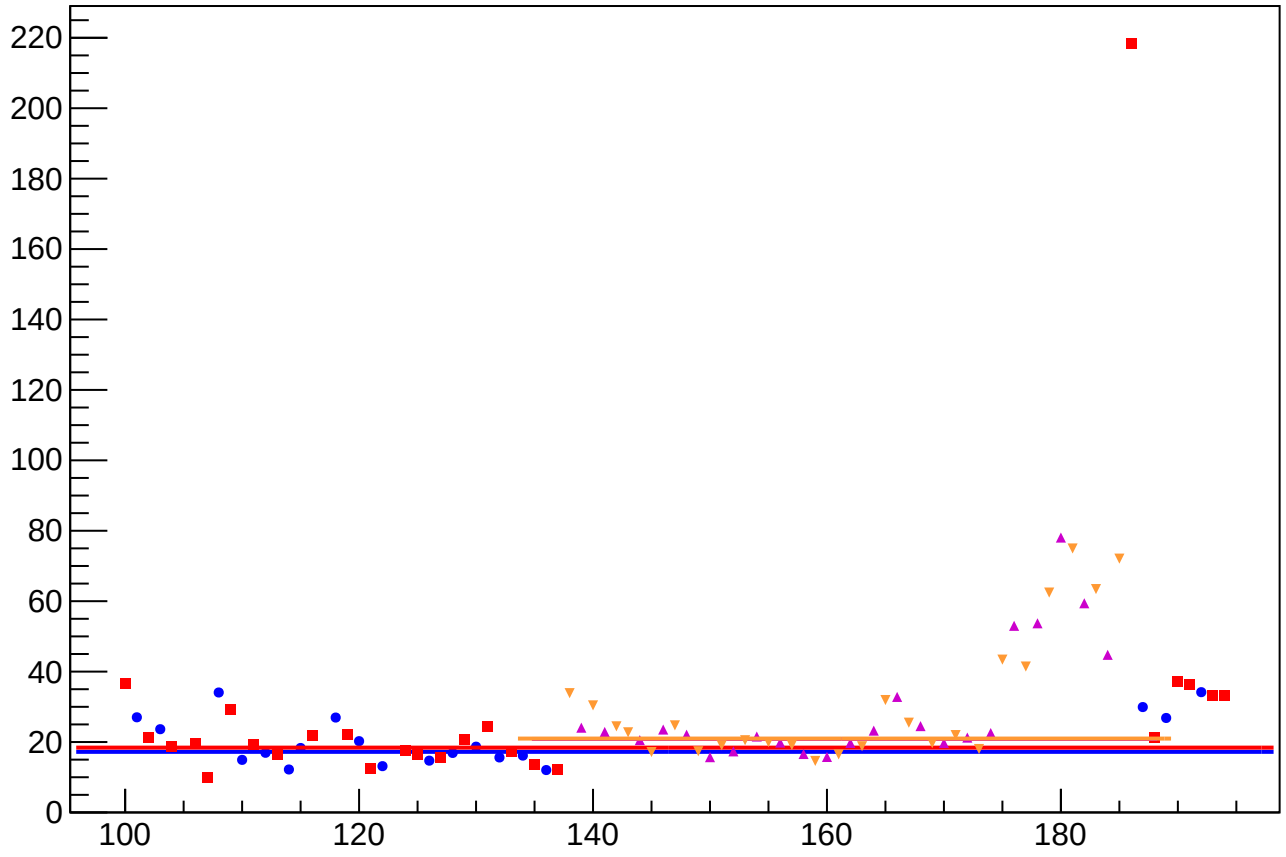
Right Out: -0.003+/-0.006 χ^2/NDF: 15.6/24

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 48.0/43

All: -0.004+/-0.003 χ^2/NDF: 86.8/91

- sign -0.004+/-0.004 χ^2/NDF: 38.8/47



Right In: 17.213+/-0.004 χ^2/NDF: 1656735.8/18

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

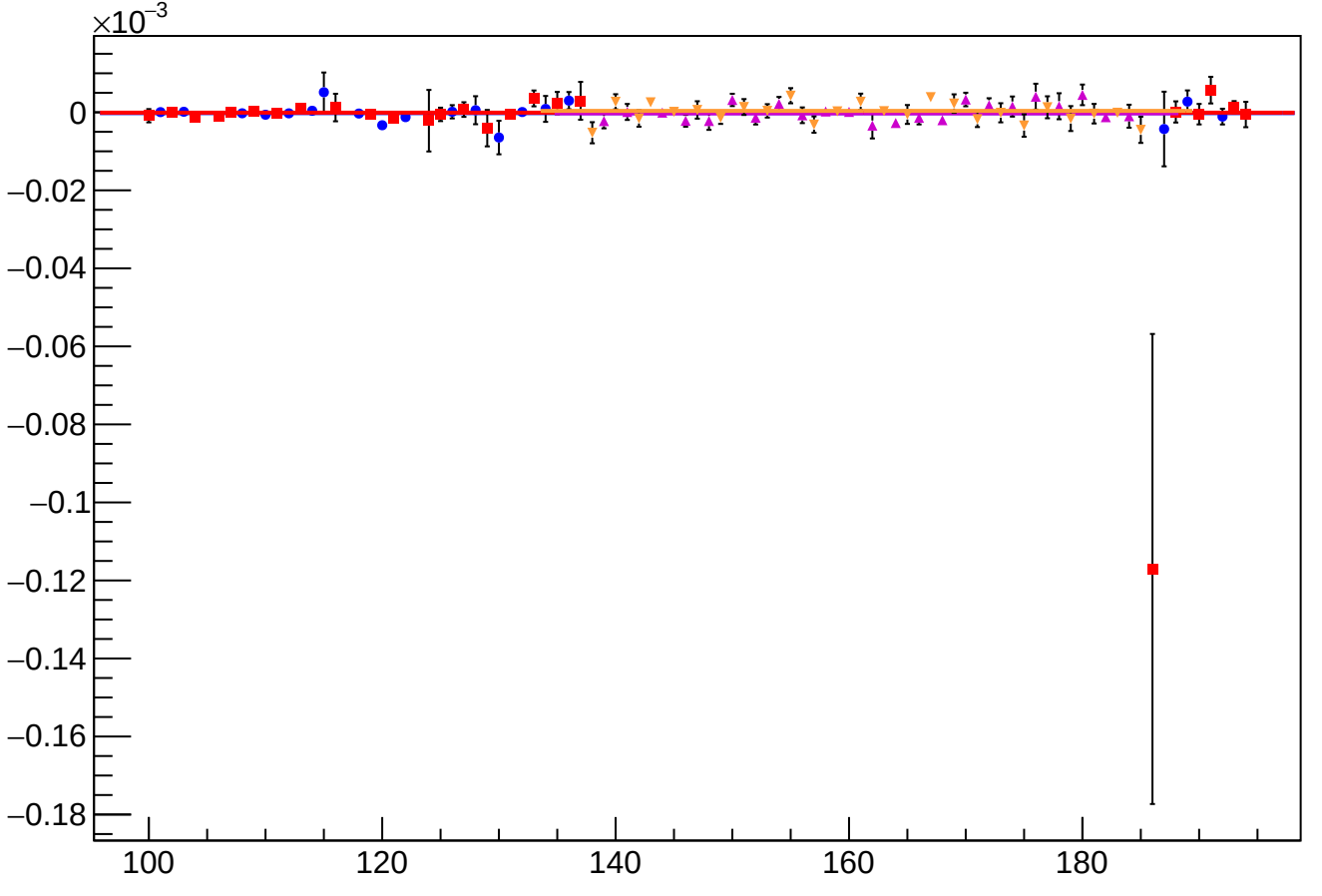
Right Out: 18.413+/-0.004 χ^2/NDF: 2608713.2/24

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 19.463+/-0.003 χ^2/NDF: 6546035.2/43

All: 19.641+/-0.002 χ^2/NDF: 12881693.4/91

- sign 19.817+/-0.003 χ^2/NDF: 6327901.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/24

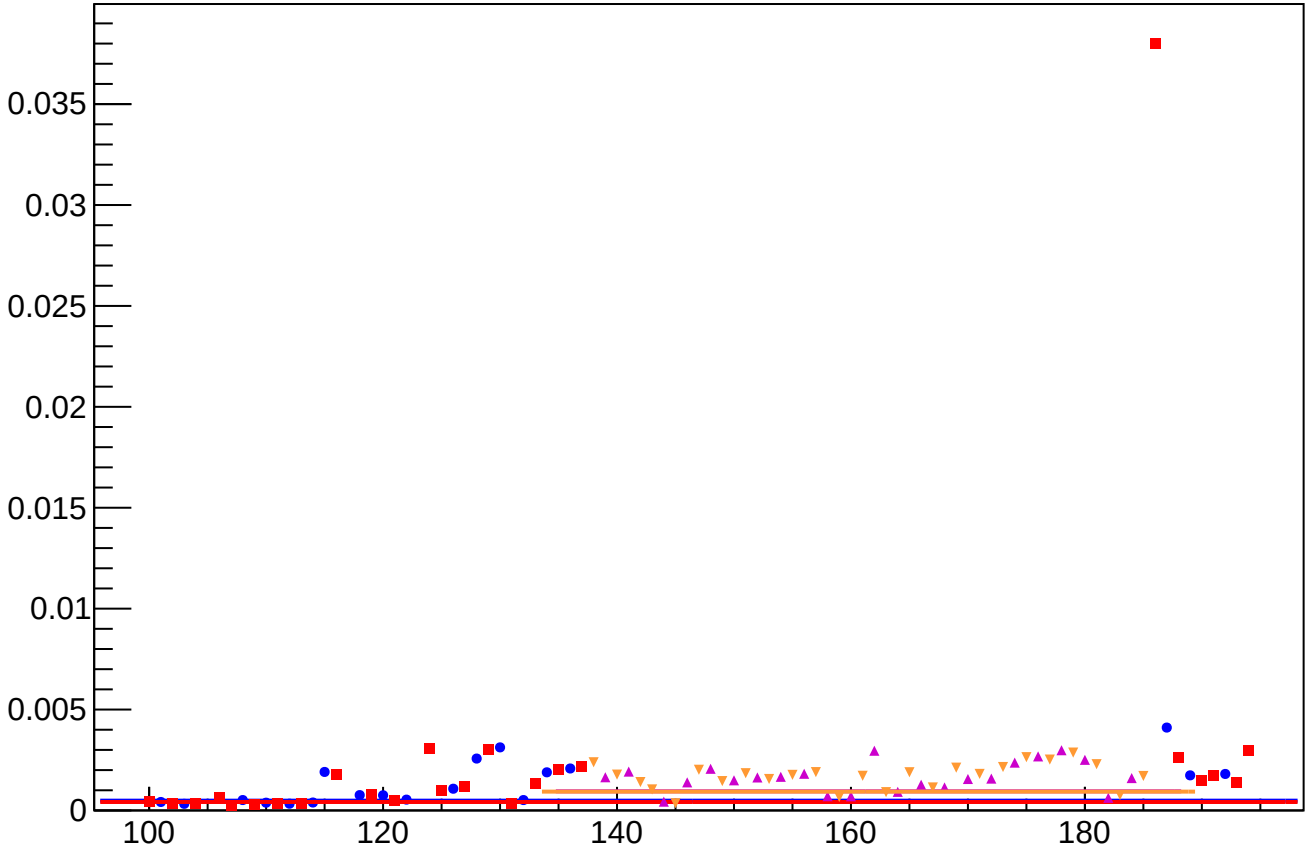
Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.1/43

All: -0.000+/-0.000 χ^2/NDF: 113.2/91

- sign -0.000+/-0.000 χ^2/NDF: 59.6/47

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: 8833348.2/24

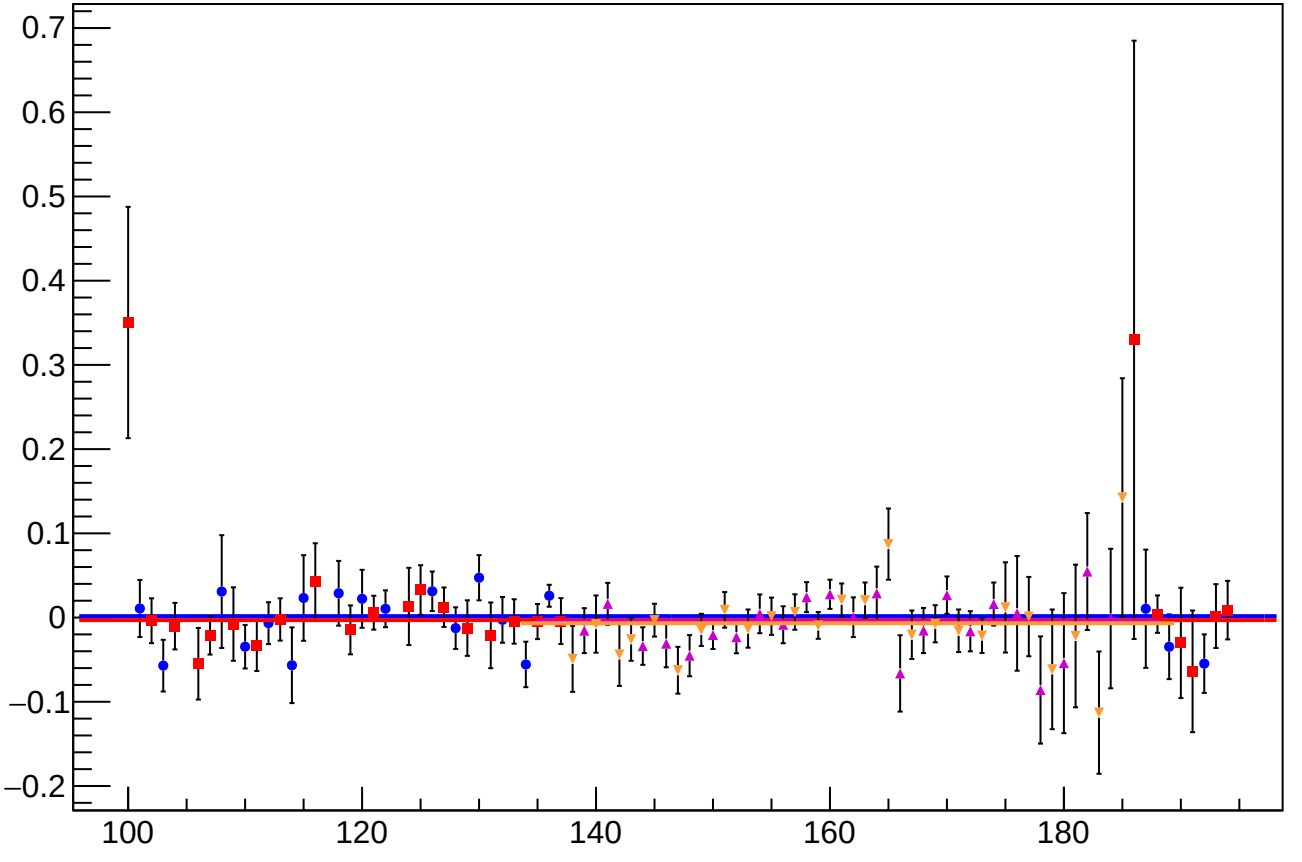
Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 21192904.0/43

All: 0.001+/-0.000 χ^2/NDF: 45456127.7/91

- sign 0.001+/-0.000 χ^2/NDF: 23984116.1/47

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/18

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

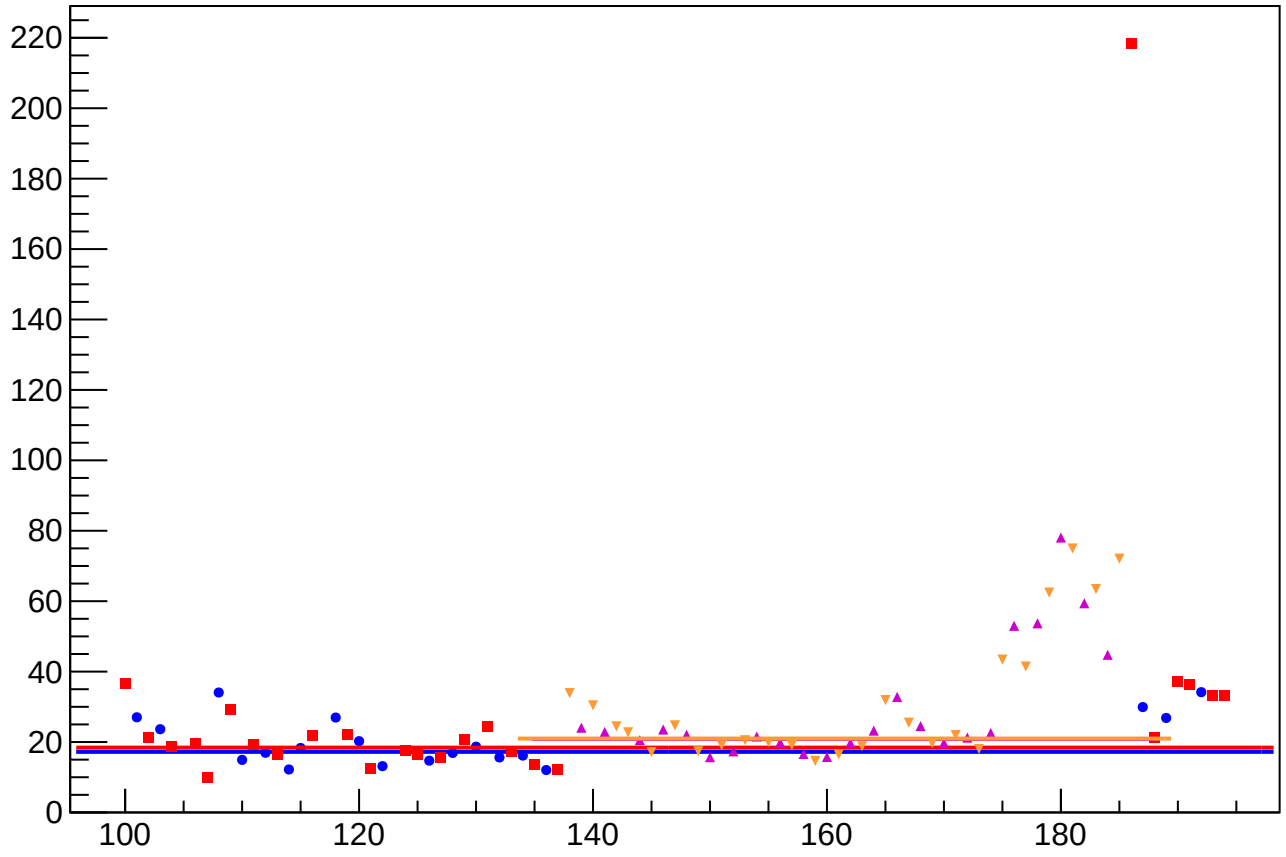
Right Out: -0.003+/-0.006 χ^2/NDF: 15.6/24

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: 86.8/91

- sign -0.004+/-0.004 χ^2/NDF: 38.8/47



Right In: 17.213+/-0.004 χ^2/NDF: 1656781.0/18

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

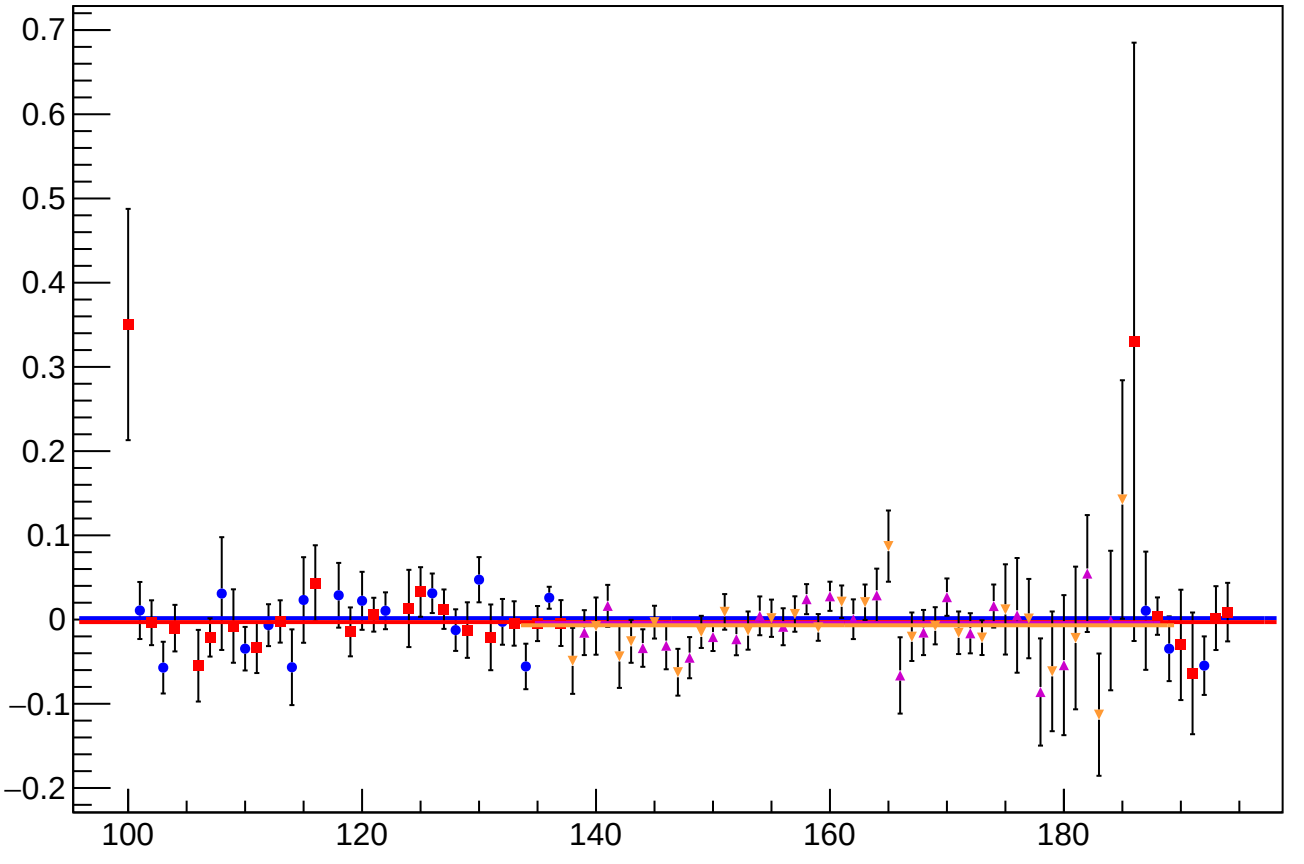
Right Out: 18.413+/-0.004 χ^2/NDF: 2608731.5/24

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.463+/-0.003 χ^2/NDF: 6546122.3/43

All: 19.641+/-0.002 χ^2/NDF: 12881888.2/91

- sign 19.817+/-0.003 χ^2/NDF: 6328012.4/47



Right In: 0.002+/-0.006 χ^2/NDF: 25.2/18

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

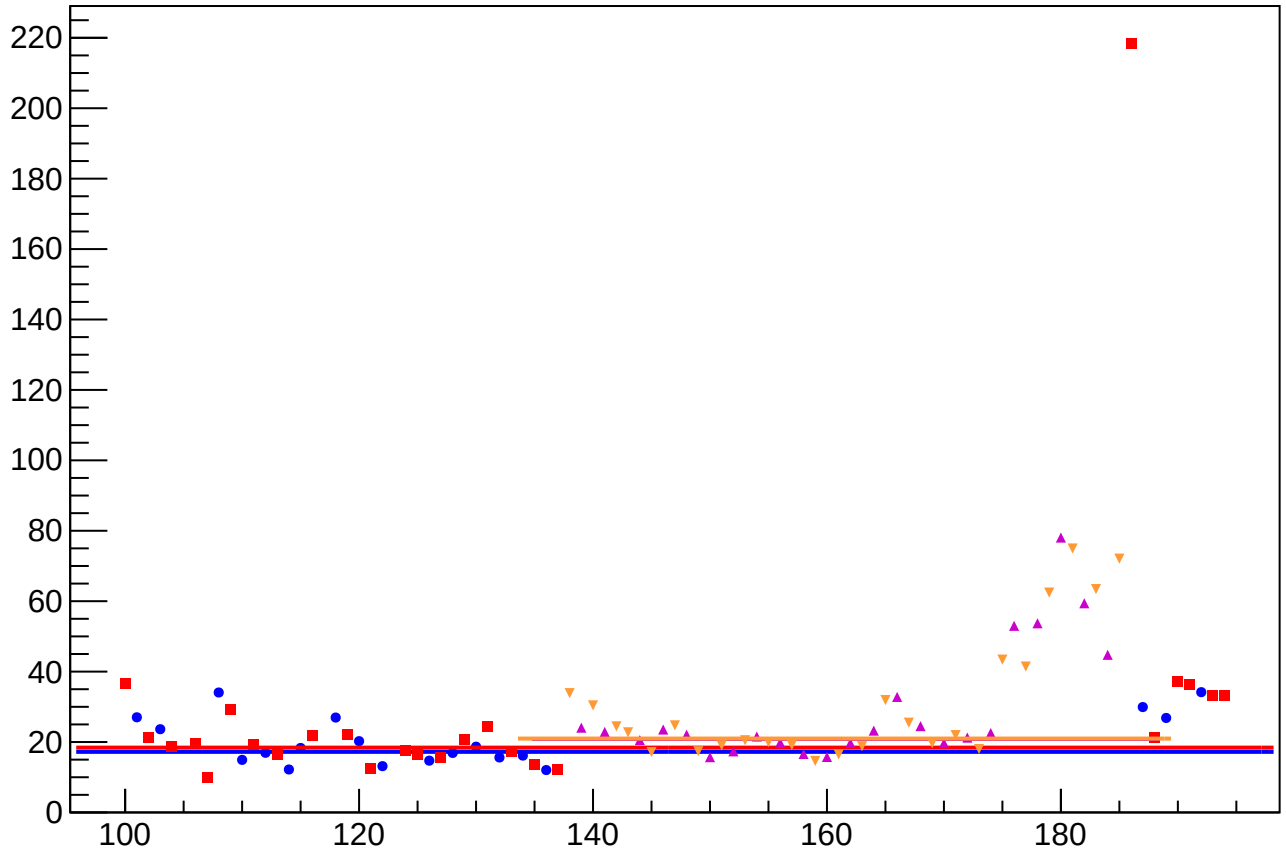
Right Out: -0.003+/-0.006 χ^2/NDF: 15.6/24

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.003+/-0.004 χ^2/NDF: 48.0/43

All: -0.004+/-0.003 χ^2/NDF: 86.8/91

- sign -0.004+/-0.004 χ^2/NDF: 38.8/47



Right In: 17.213+/-0.004 χ^2/NDF: 1656781.0/18

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

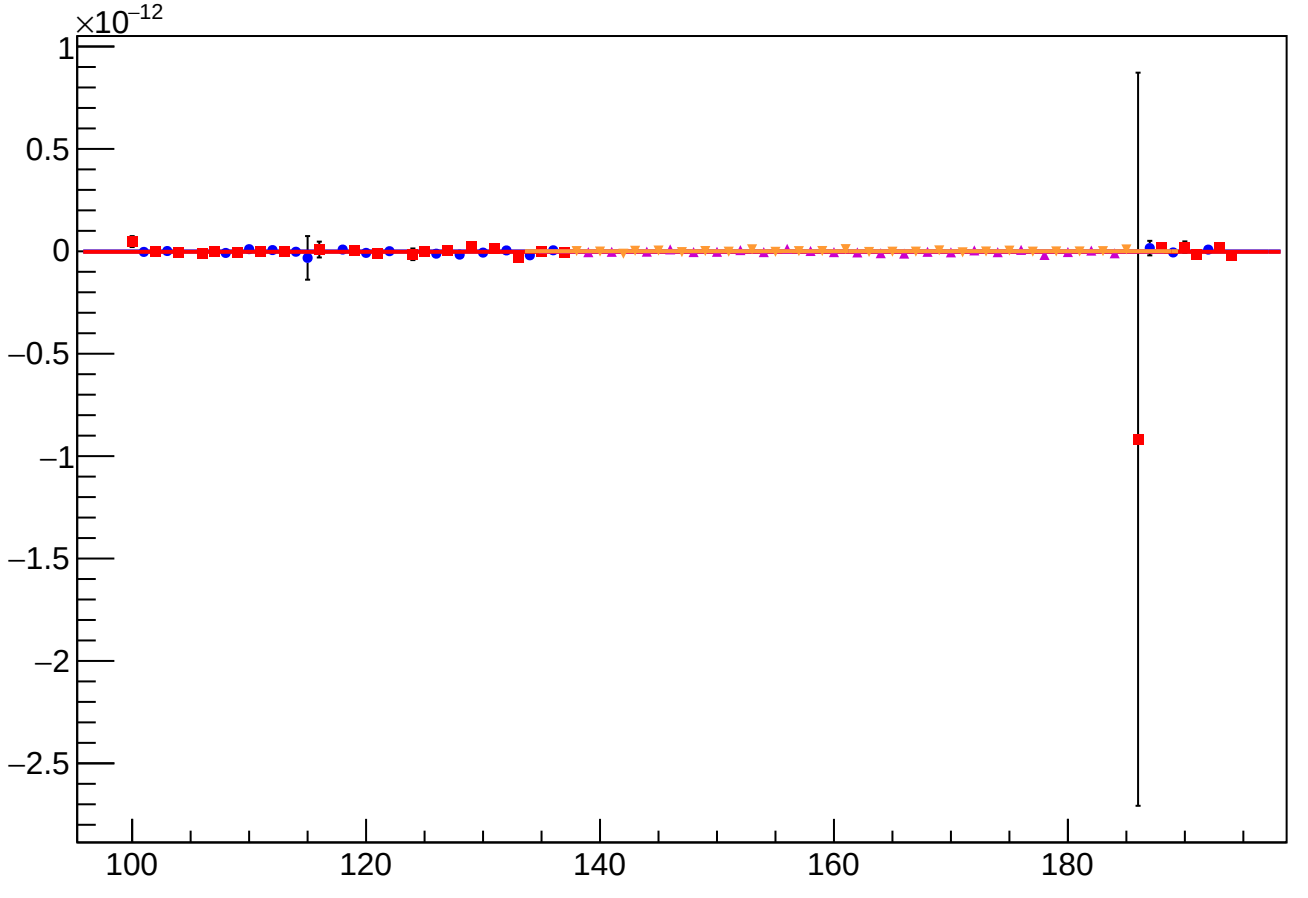
Right Out: 18.413+/-0.004 χ^2/NDF: 2608731.5/24

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.463+/-0.003 χ^2/NDF: 6546122.3/43

All: 19.641+/-0.002 χ^2/NDF: 12881888.2/91

- sign 19.817+/-0.003 χ^2/NDF: 6328012.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

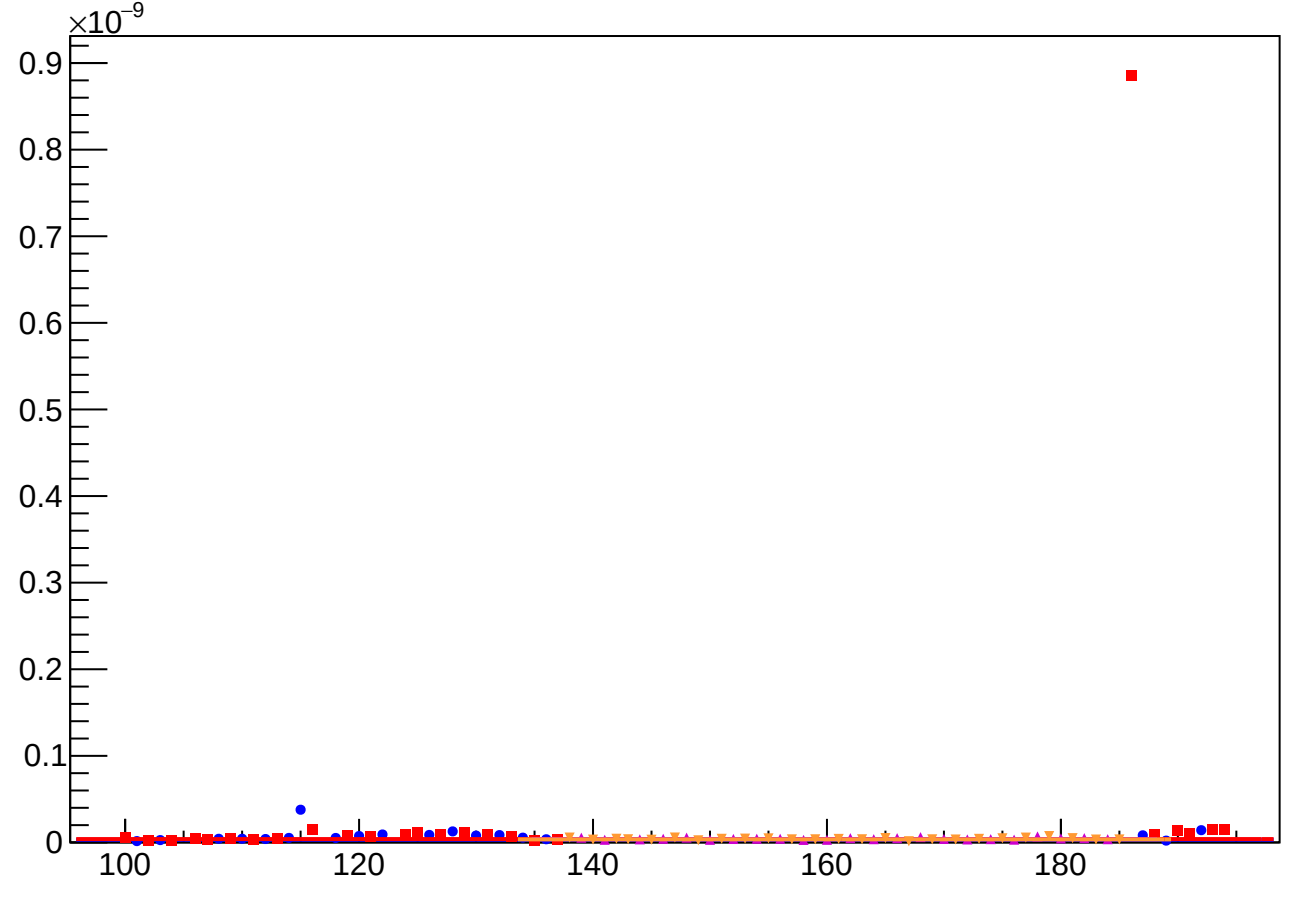
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/24

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 28.1/43

All: -0.000+/-0.000 χ^2/NDF: 76.8/91

- sign -0.000+/-0.000 χ^2/NDF: 47.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 3693400.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5082528.3/24

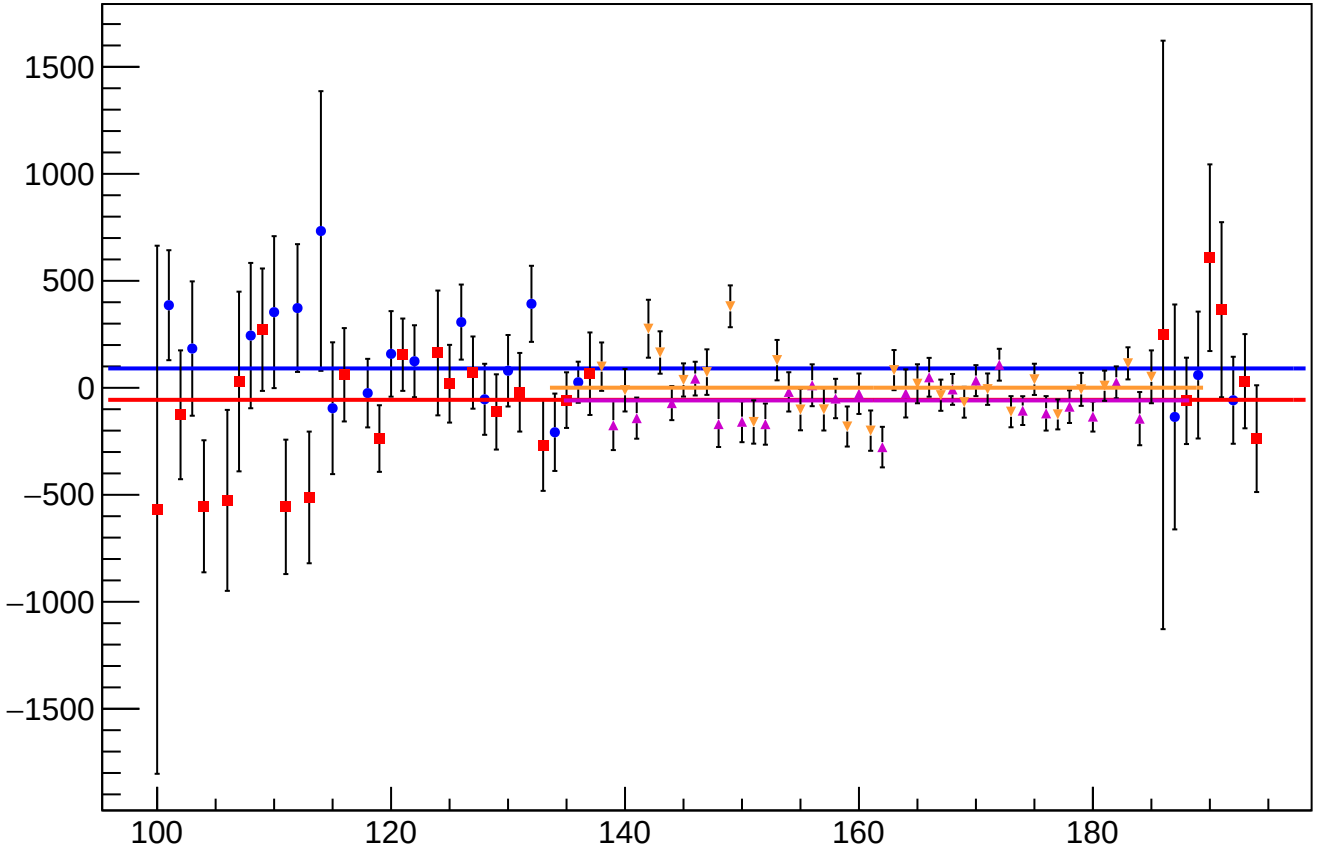
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6332563.0/43

All: 0.000+/-0.000 χ^2/NDF: 12915488.1/91

- sign 0.000+/-0.000 χ^2/NDF: 6281005.9/47

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: -56.112+/-45.455 χ^2/NDF: 20.3/24

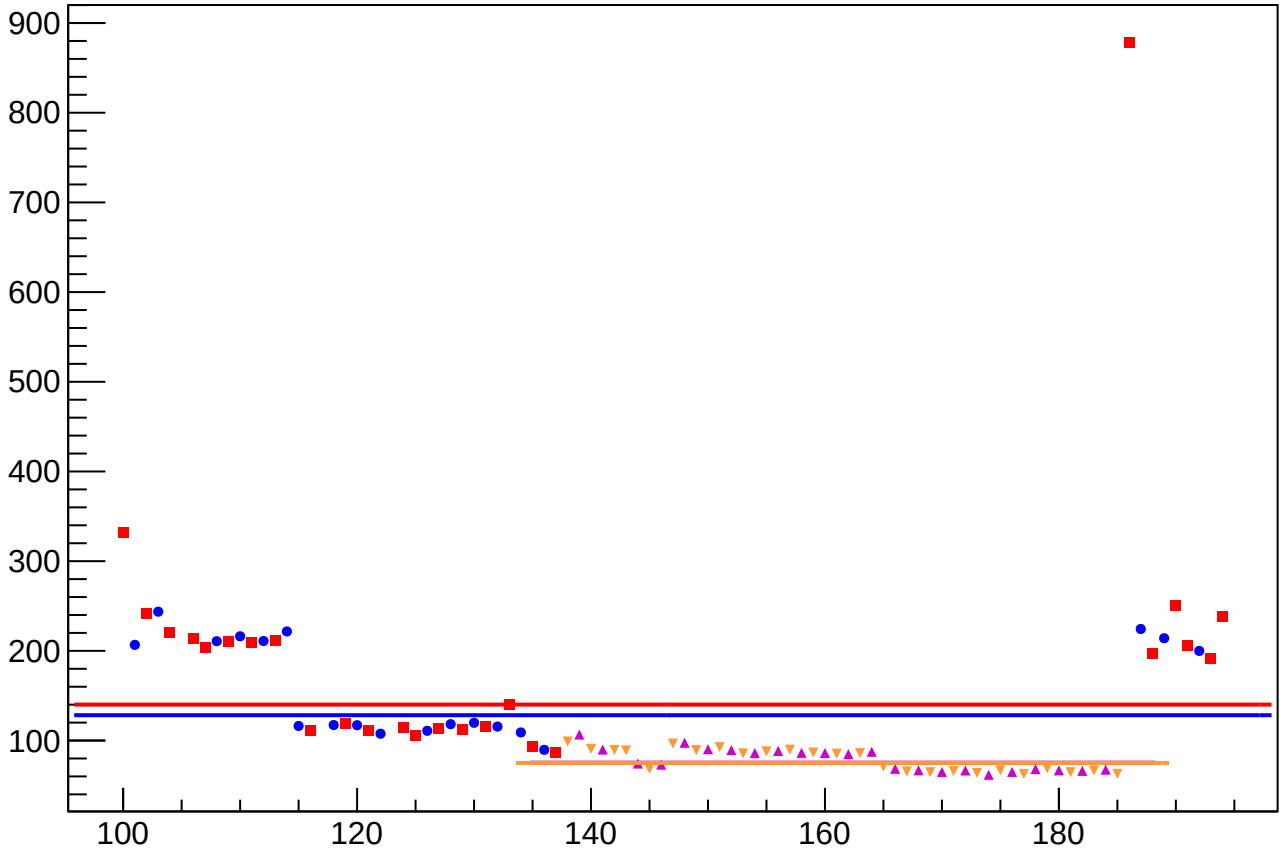
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 11.929+/-16.193 χ^2/NDF: 66.1/43

All: -22.346+/-11.604 χ^2/NDF: 121.5/91

- sign -58.532+/-16.638 χ^2/NDF: 46.1/47

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

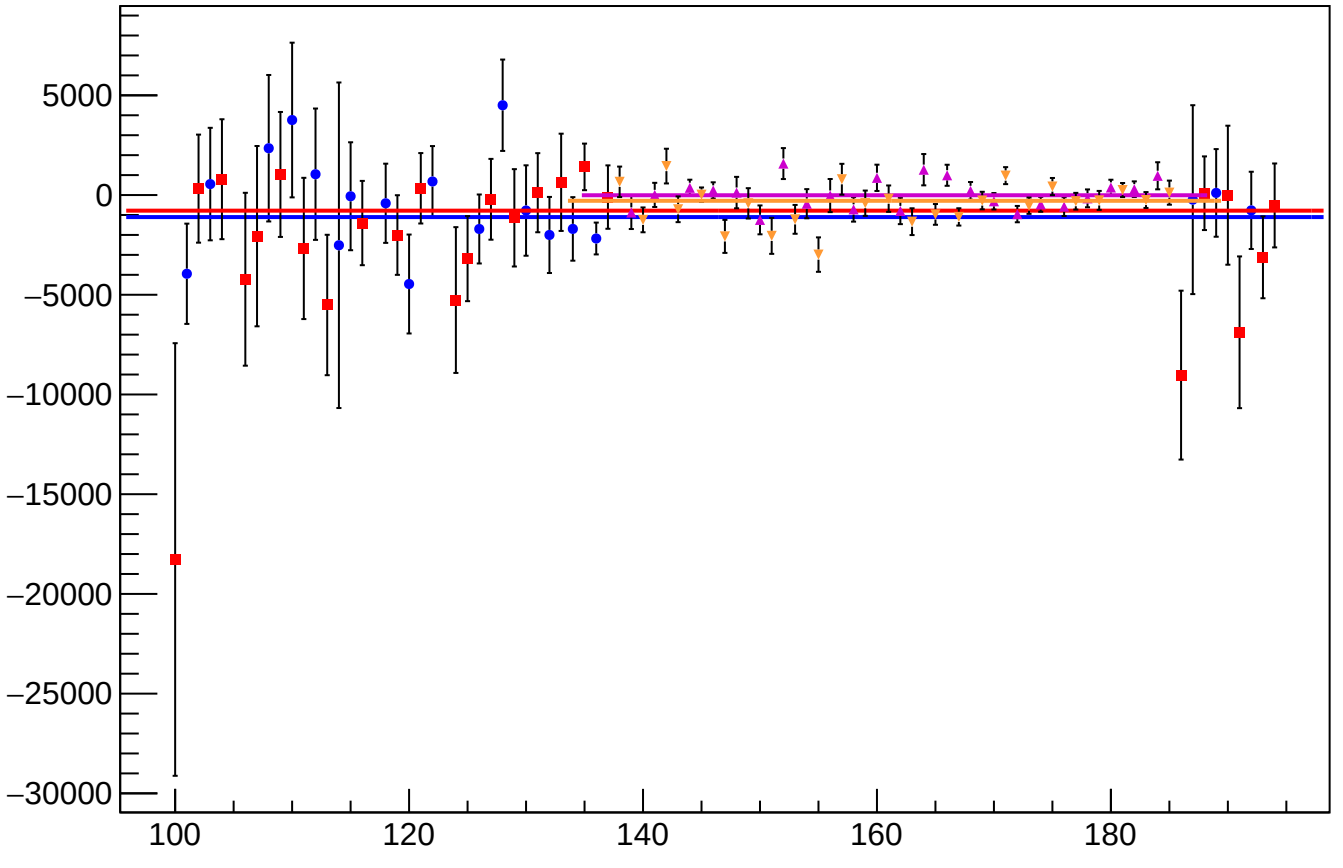
Right Out: 140.096+/-0.032 χ^2/NDF: 2949784.2/24

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 81.740+/-0.011 χ^2/NDF: 5117324.2/43

All: 82.852+/-0.008 χ^2/NDF: 12438078.1/91

- sign 84.027+/-0.012 χ^2/NDF: 7301346.3/47



Right In: -1105.094+/-452.758 χ^2/NDF: 16.3/18

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -782.715+/-464.381 χ^2/NDF: 22.1/24

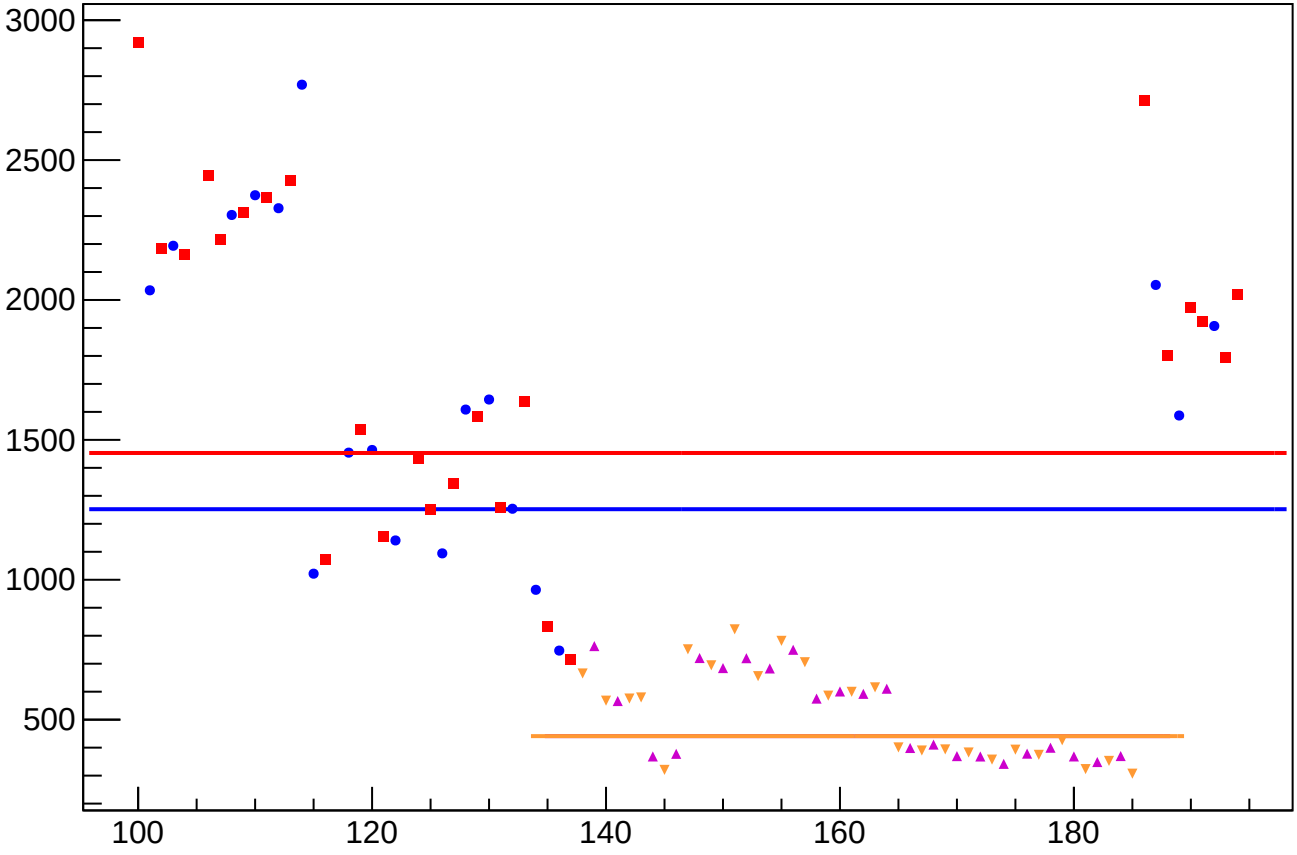
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

\+ sign -329.953+/-102.499 χ^2/NDF: 72.7/43

All: -193.214+/-73.308 χ^2/NDF: 134.5/91

\- sign -50.030+/-104.887 χ^2/NDF: 58.2/47

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: 1453.139+/-0.328 χ^2/NDF: 2594634.1/24

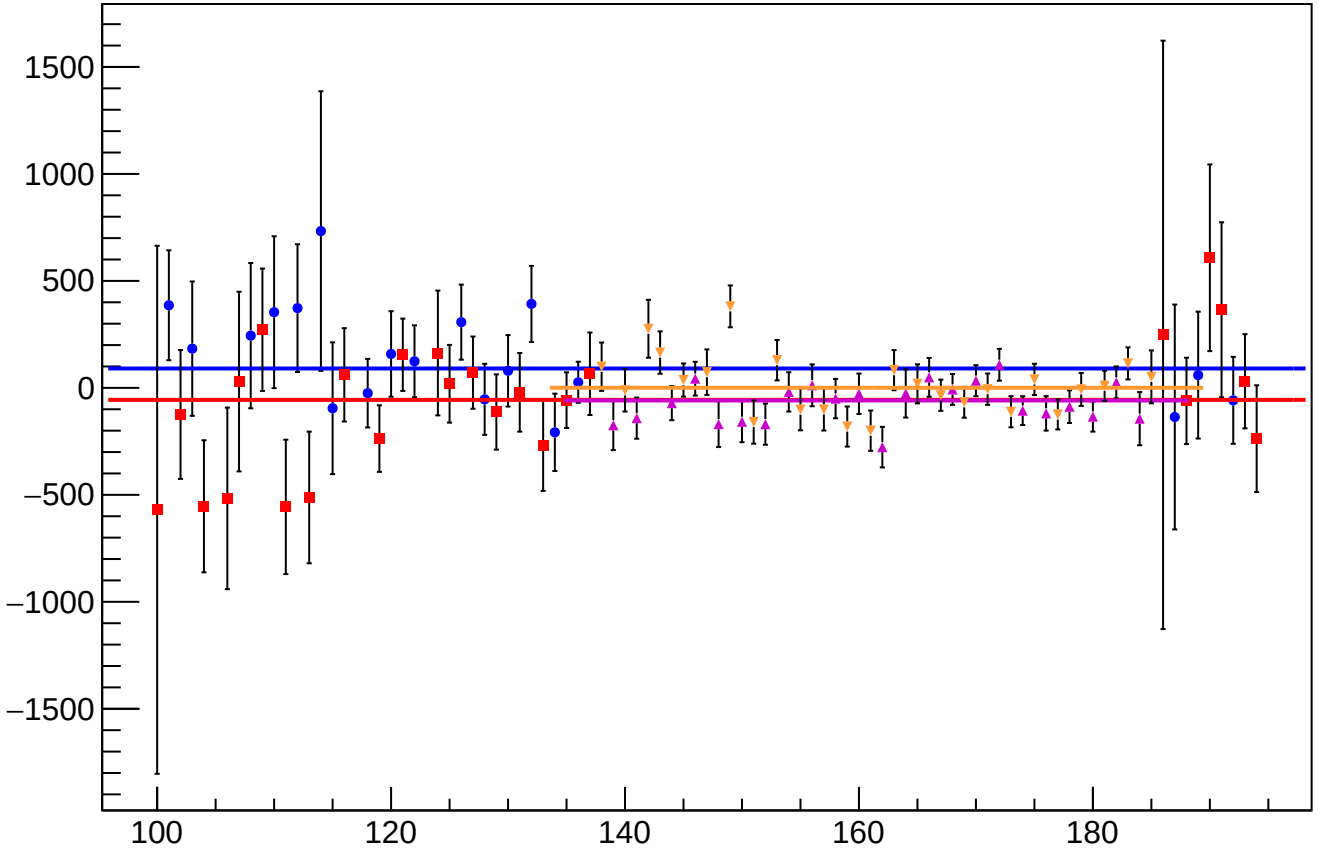
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 482.697+/-0.072 χ^2/NDF: 11736641.4/43

All: 487.642+/-0.052 χ^2/NDF: 26035543.6/91

- sign 492.820+/-0.074 χ^2/NDF: 14289372.9/47

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: -55.916+/-45.457 χ^2/NDF: 20.2/24

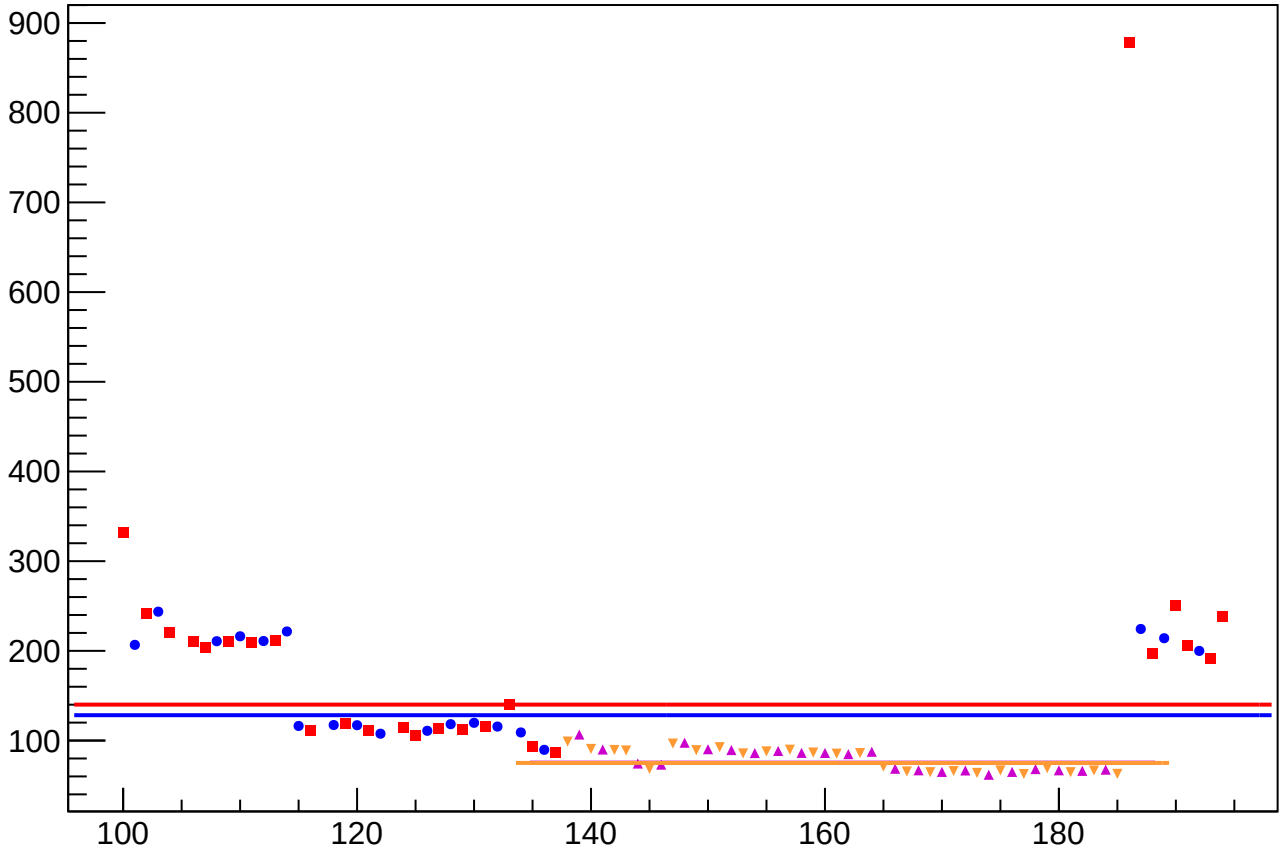
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 11.927+/-16.193 χ^2/NDF: 66.1/43

All: -22.333+/-11.604 χ^2/NDF: 121.4/91

- sign -58.504+/-16.638 χ^2/NDF: 46.1/47

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

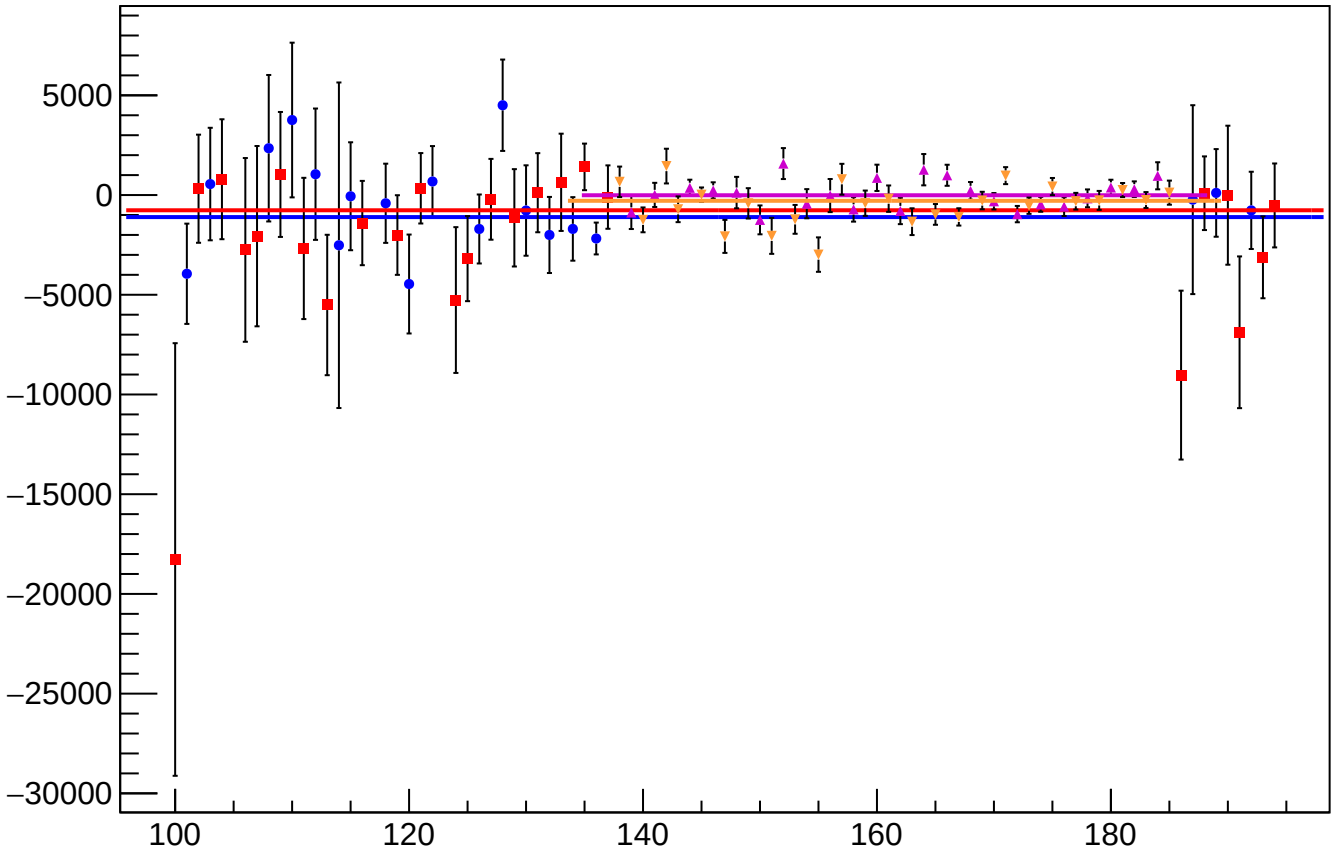
Right Out: 140.055+/-0.032 χ^2/NDF: 2944734.4/24

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 81.740+/-0.011 χ^2/NDF: 5117326.2/43

All: 82.849+/-0.008 χ^2/NDF: 12428143.8/91

- sign 84.020+/-0.012 χ^2/NDF: 7291517.0/47



Right In: -1105.072+/-452.758 χ^2/NDF: 16.3/18

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -763.392+/-464.696 χ^2/NDF: 21.7/24

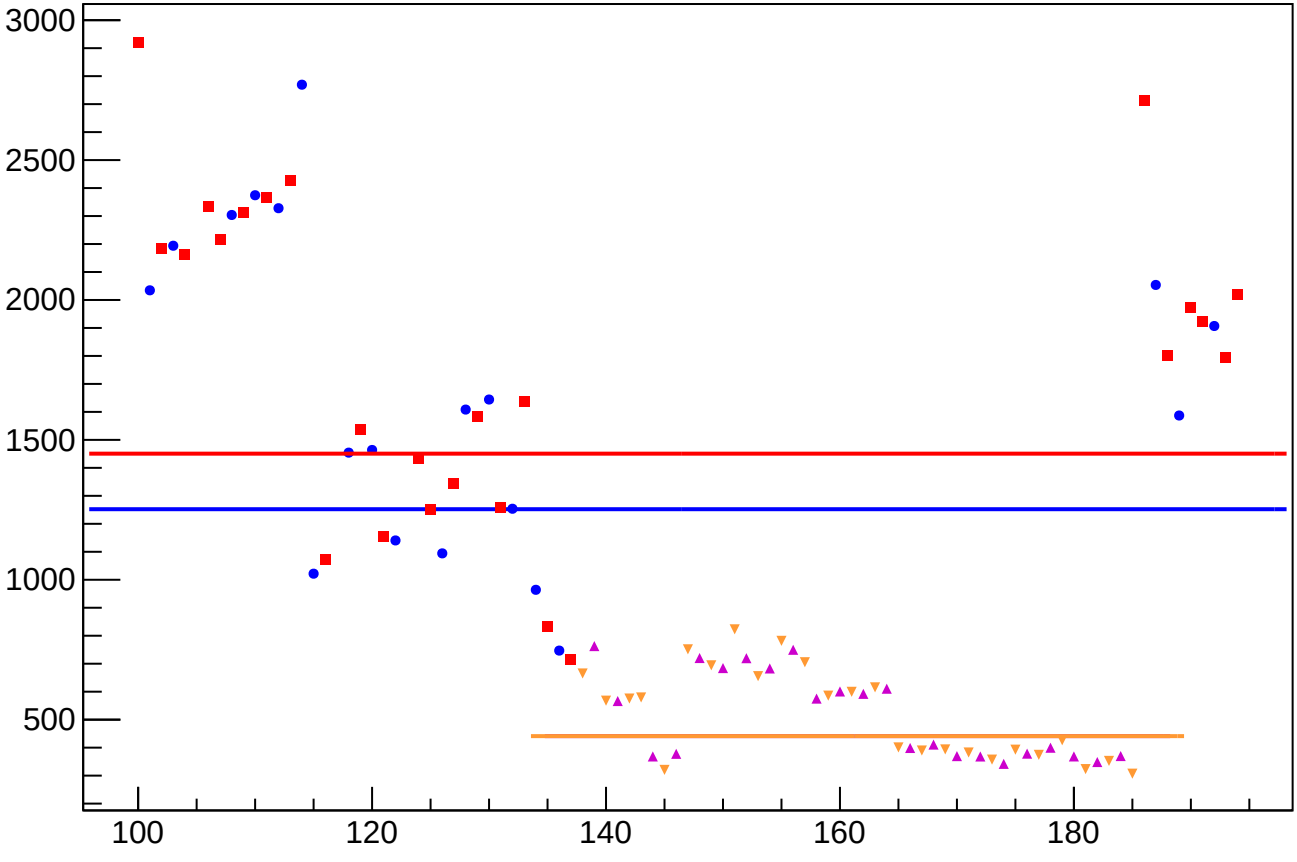
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -329.951+/-102.499 χ^2/NDF: 72.7/43

All: -192.713+/-73.309 χ^2/NDF: 134.0/91

- sign -48.996+/-104.891 χ^2/NDF: 57.6/47

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: 1450.733+/-0.329 χ^2/NDF: 2563622.6/24

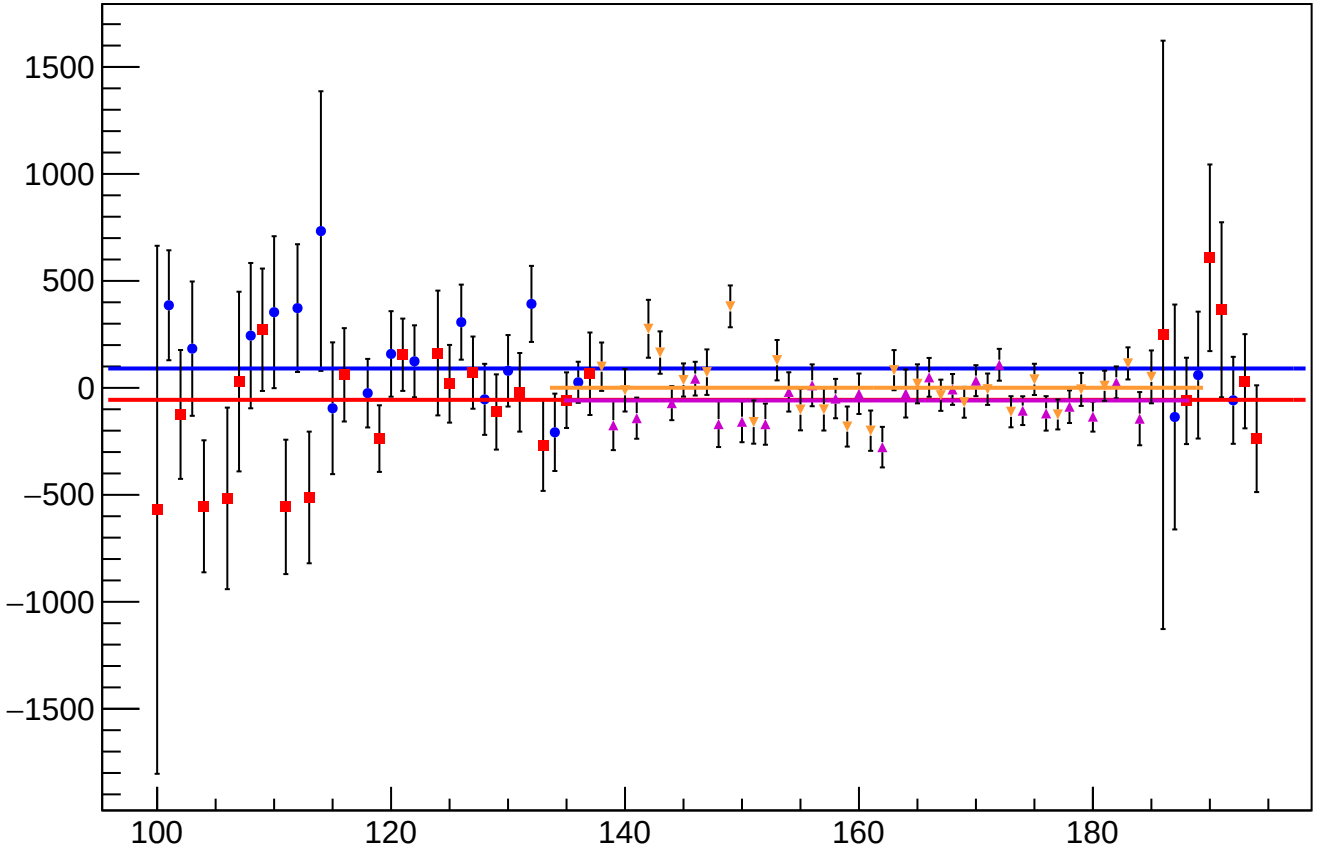
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 482.697+/-0.072 χ^2/NDF: 11736649.4/43

All: 487.550+/-0.052 χ^2/NDF: 25949813.5/91

- sign 492.631+/-0.074 χ^2/NDF: 14203987.4/47

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: -55.916+/-45.457 χ^2/NDF: 20.2/24

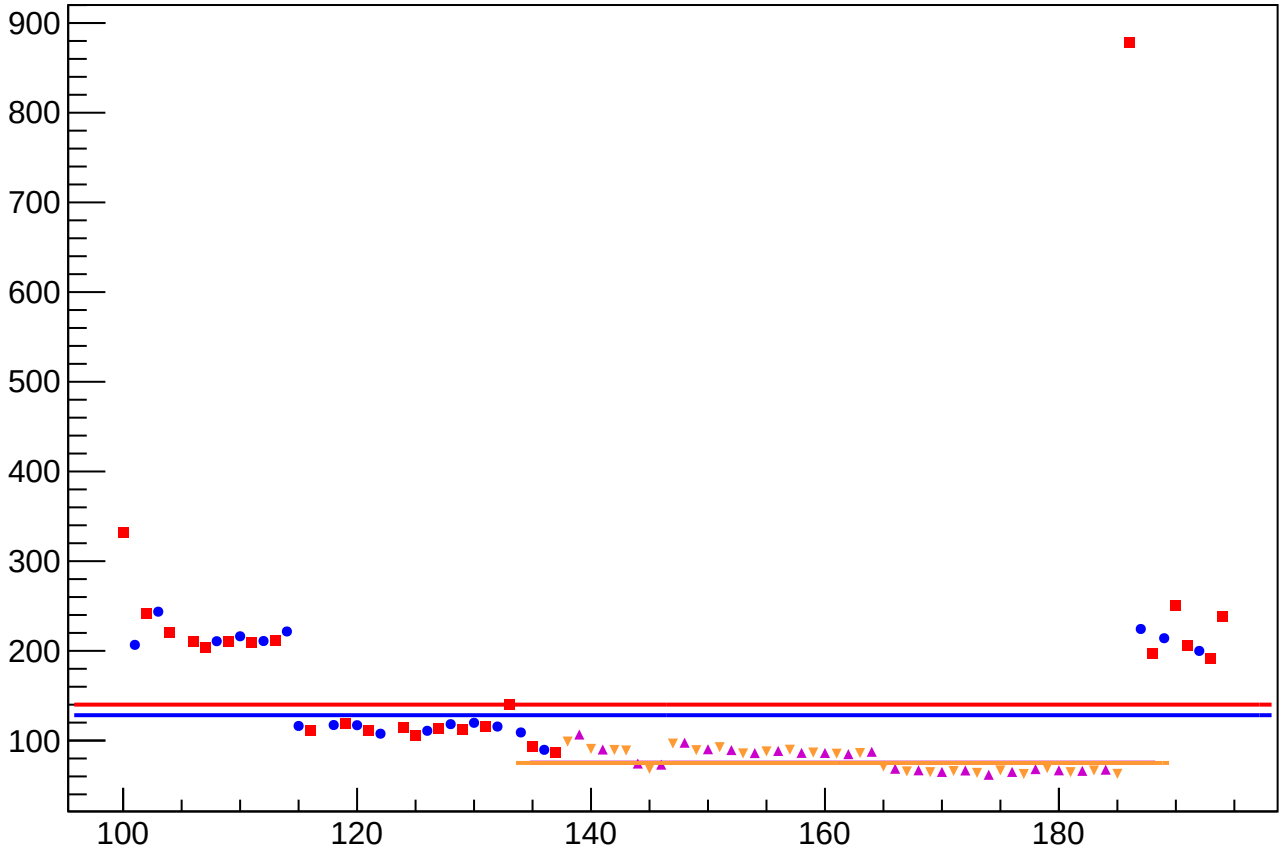
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 11.927+/-16.193 χ^2/NDF: 66.1/43

All: -22.333+/-11.604 χ^2/NDF: 121.4/91

- sign -58.504+/-16.638 χ^2/NDF: 46.1/47

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

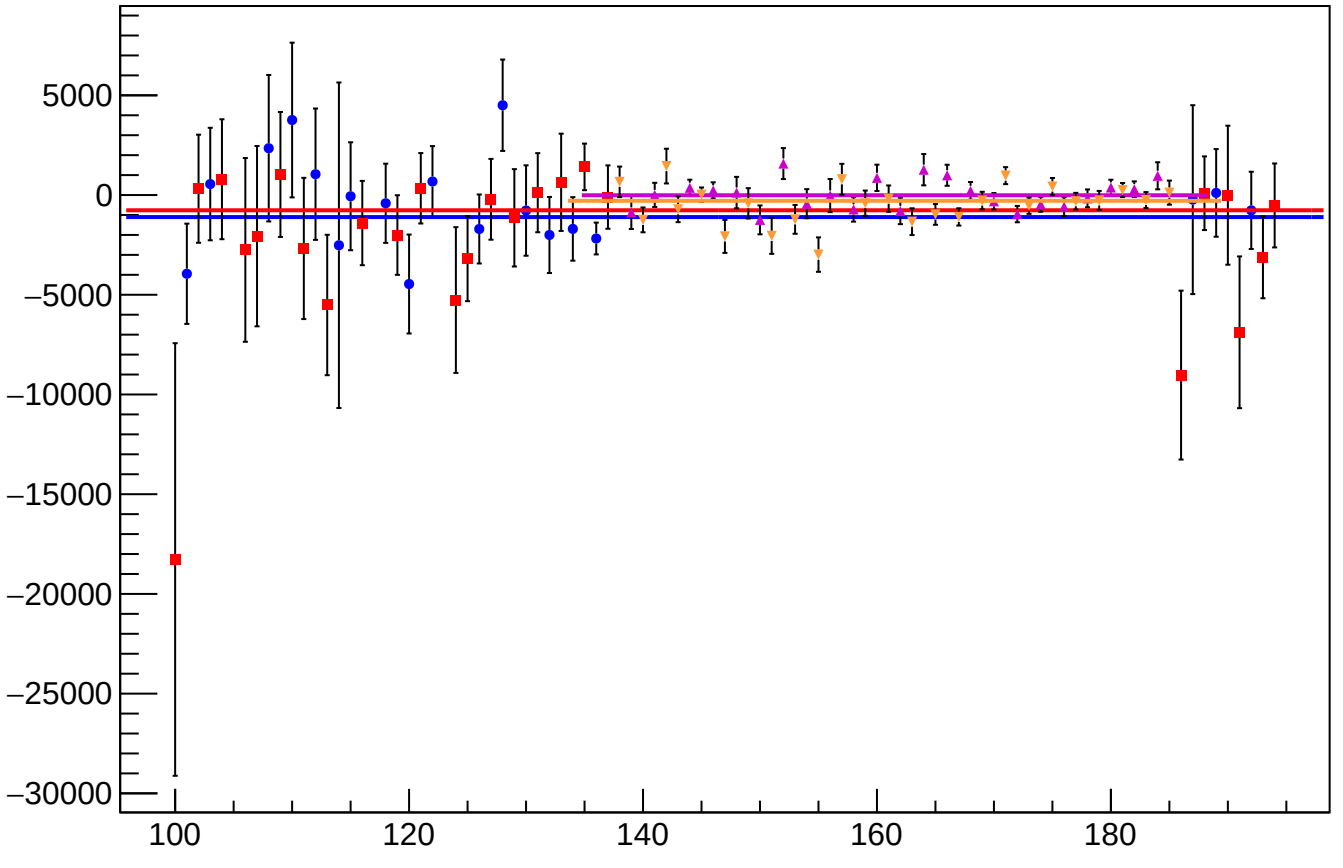
Right Out: 140.055+/-0.032 χ^2/NDF: 2944734.4/24

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 81.740+/-0.011 χ^2/NDF: 5117326.2/43

All: 82.849+/-0.008 χ^2/NDF: 12428143.8/91

- sign 84.020+/-0.012 χ^2/NDF: 7291517.0/47



Right In: -1105.072+/-452.758 χ^2/NDF: 16.3/18

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -763.392+/-464.696 χ^2/NDF: 21.7/24

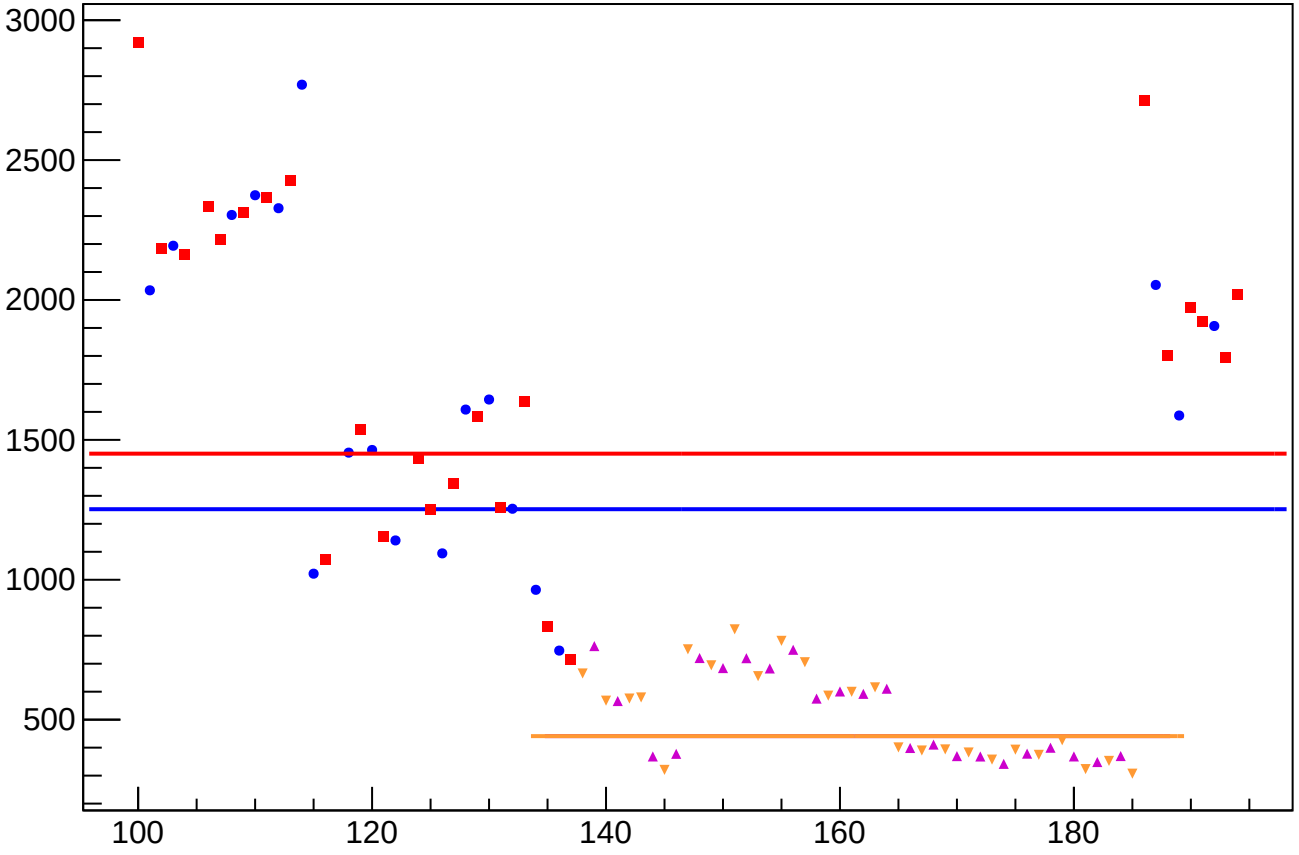
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -329.951+/-102.499 χ^2/NDF: 72.7/43

All: -192.713+/-73.309 χ^2/NDF: 134.0/91

- sign -48.996+/-104.891 χ^2/NDF: 57.6/47

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: 1450.733+/-0.329 χ^2/NDF: 2563622.6/24

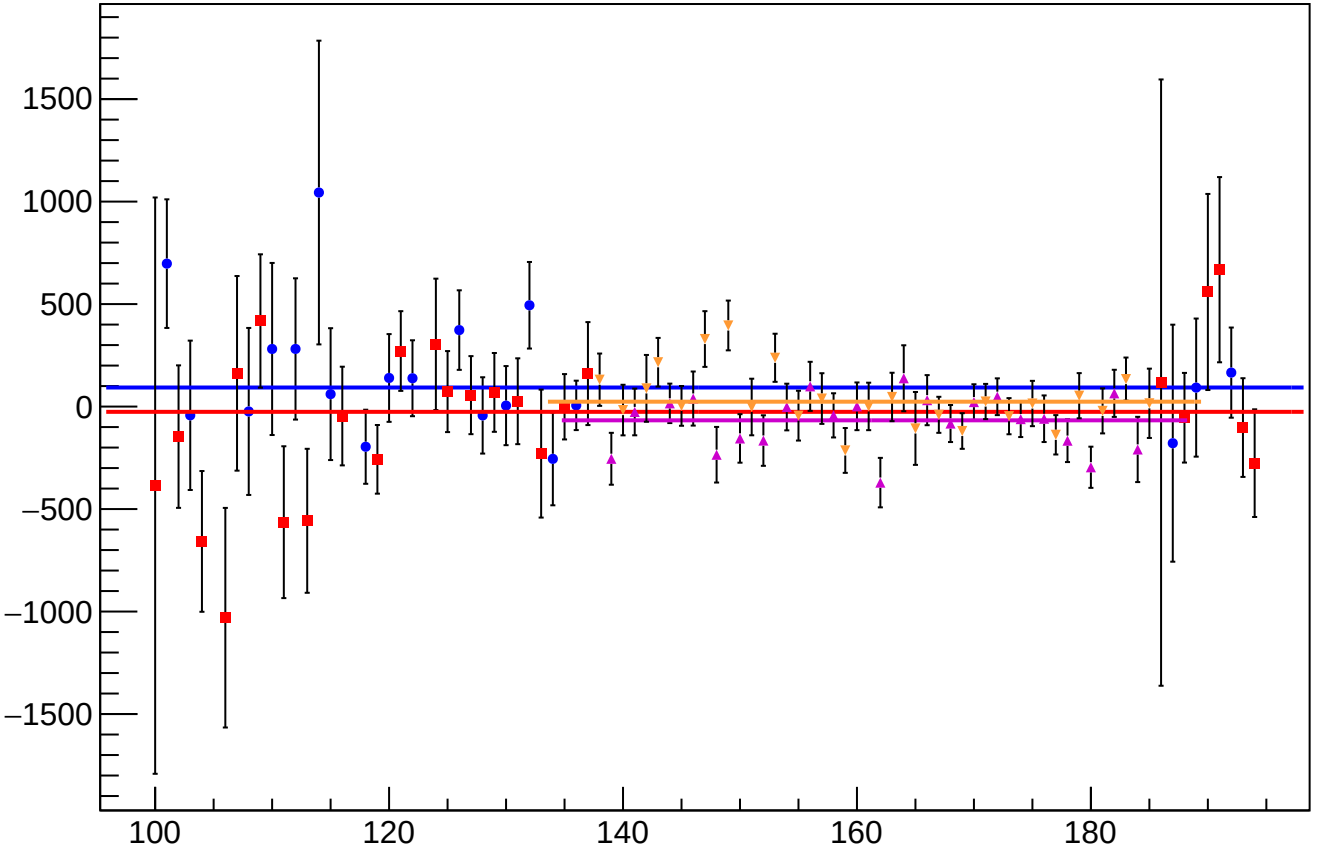
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 482.697+/-0.072 χ^2/NDF: 11736649.4/43

All: 487.550+/-0.052 χ^2/NDF: 25949813.5/91

- sign 492.631+/-0.074 χ^2/NDF: 14203987.4/47

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: -25.664+/-51.988 χ^2/NDF: 25.4/24

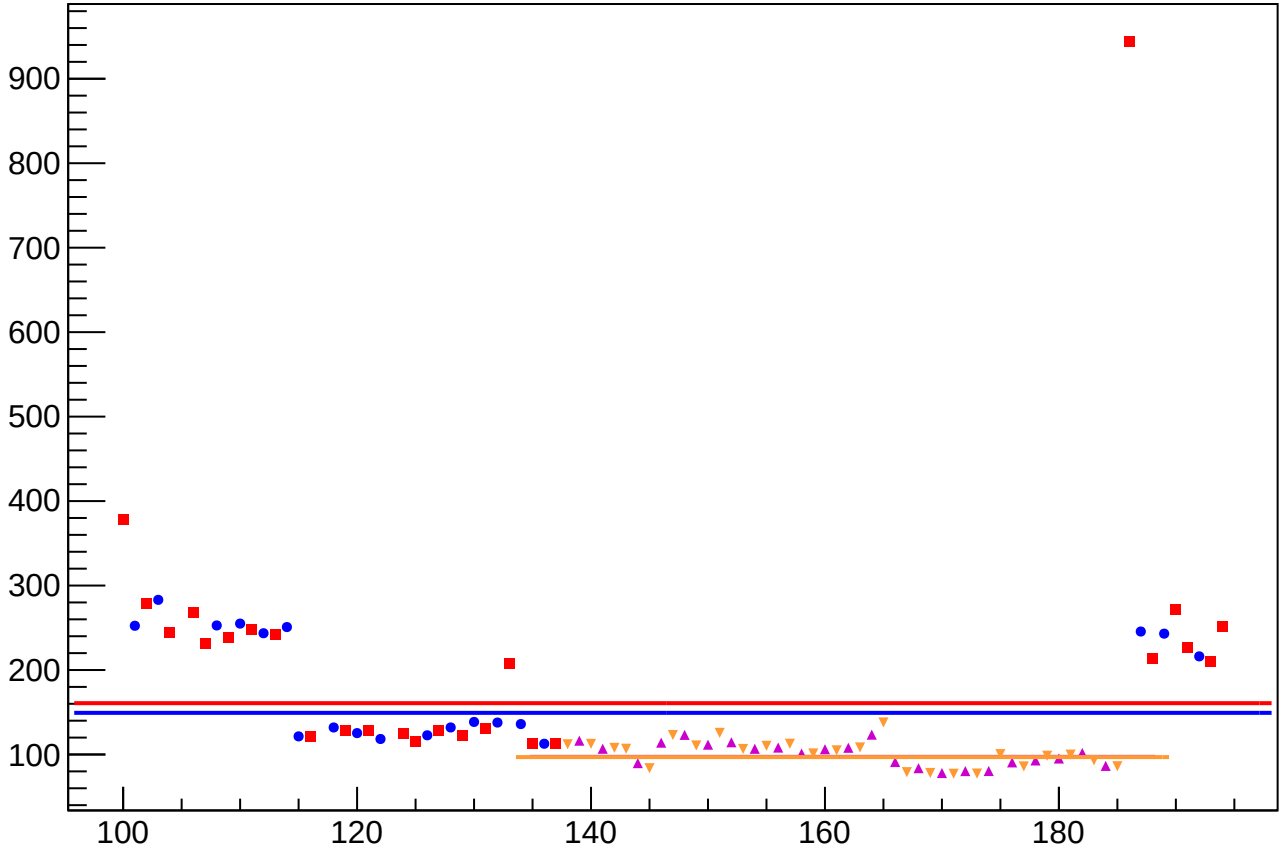
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 34.374+/-20.642 χ^2/NDF: 55.0/43

All: -11.840+/-14.764 χ^2/NDF: 119.9/91

- sign -60.246+/-21.126 χ^2/NDF: 54.6/47

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

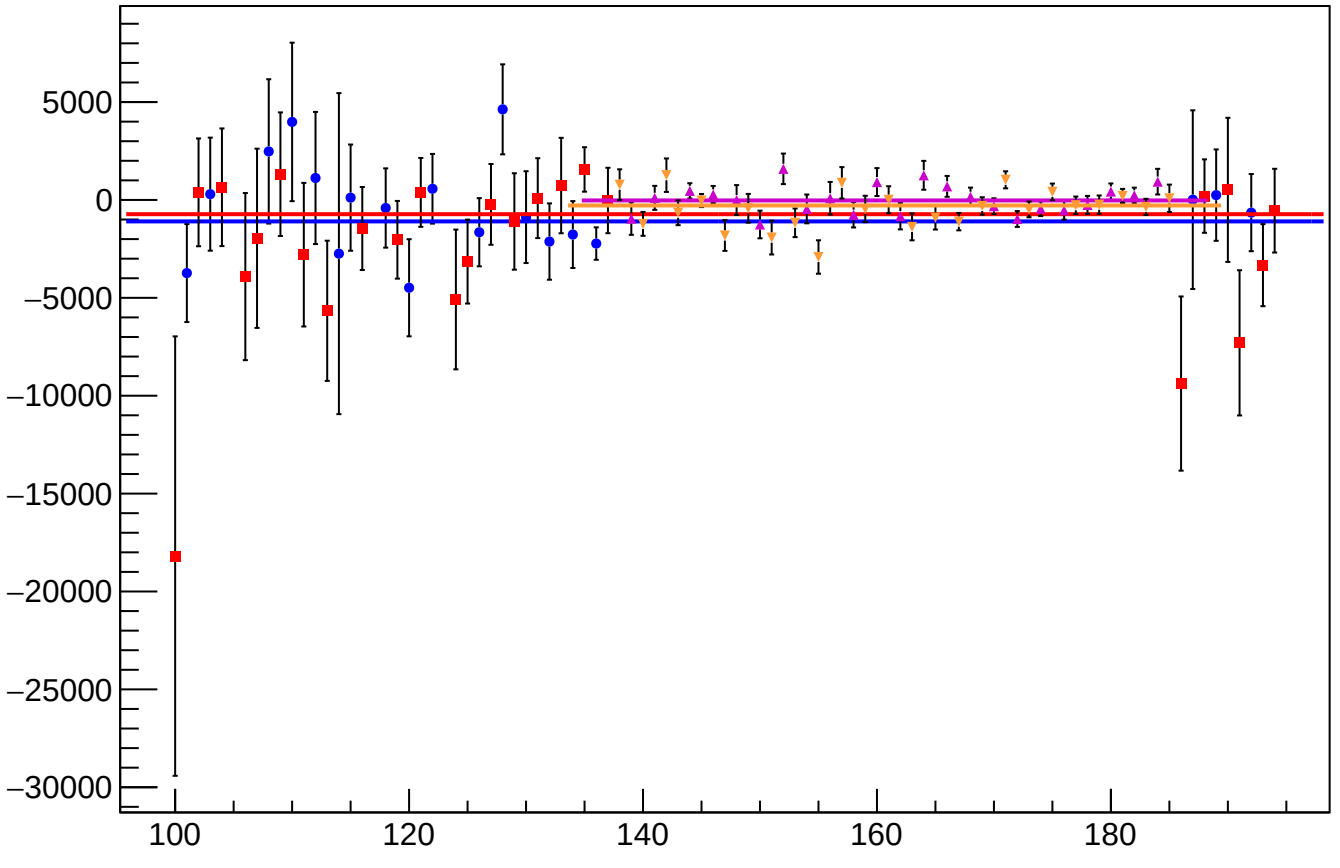
Right Out: 160.750+/-0.037 χ^2/NDF: 2787883.1/24

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 104.862+/-0.015 χ^2/NDF: 4289274.4/43

All: 106.232+/-0.010 χ^2/NDF: 10267365.4/91

- sign 107.667+/-0.015 χ^2/NDF: 5960060.9/47



Right In: -1096.363+/-464.714 χ^2/NDF: 16.4/18

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -727.721+/-467.686 χ^2/NDF: 23.4/24

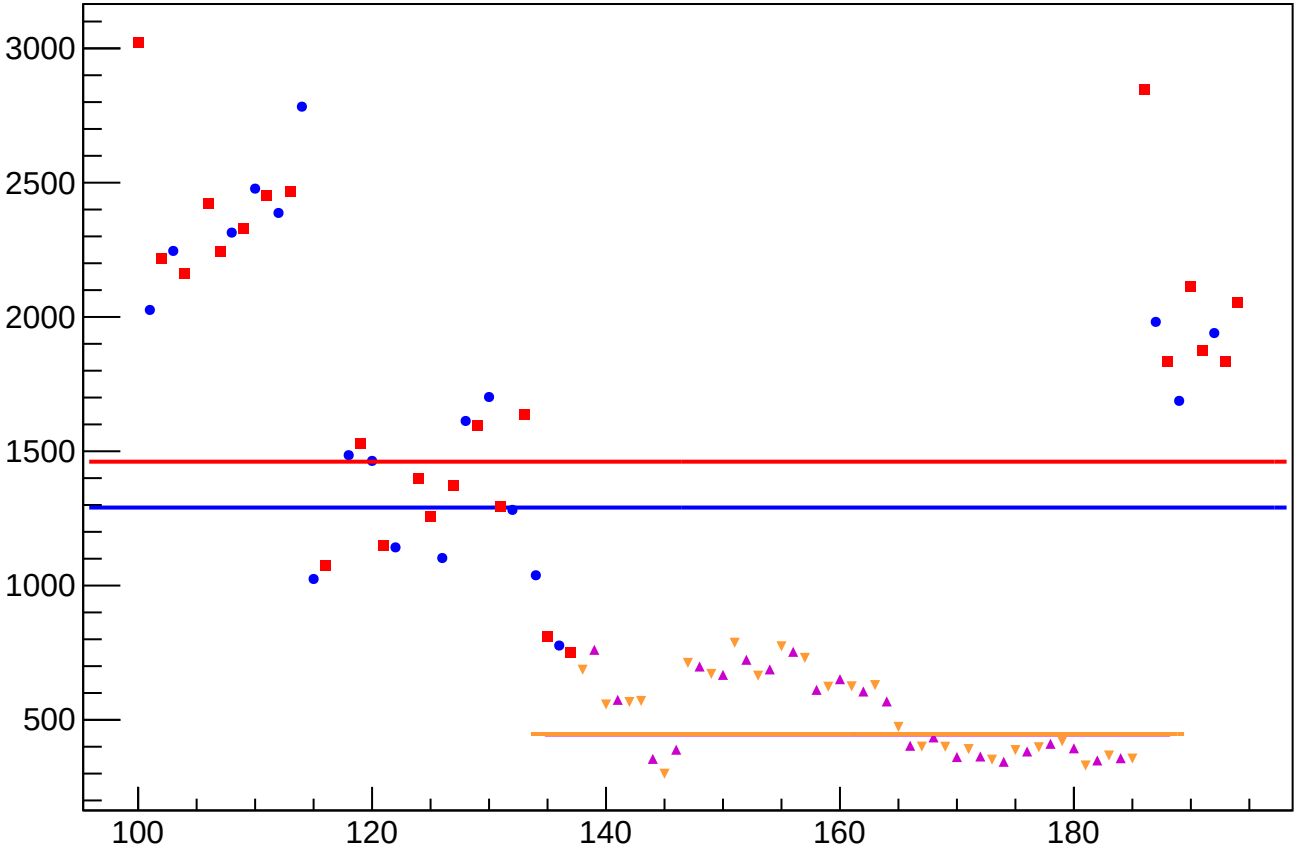
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -322.961+/-103.711 χ^2/NDF: 69.8/43

All: -194.789+/-74.147 χ^2/NDF: 131.4/91

- sign -60.775+/-106.048 χ^2/NDF: 58.5/47

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: 1461.256+/-0.331 χ^2/NDF: 2692050.8/24

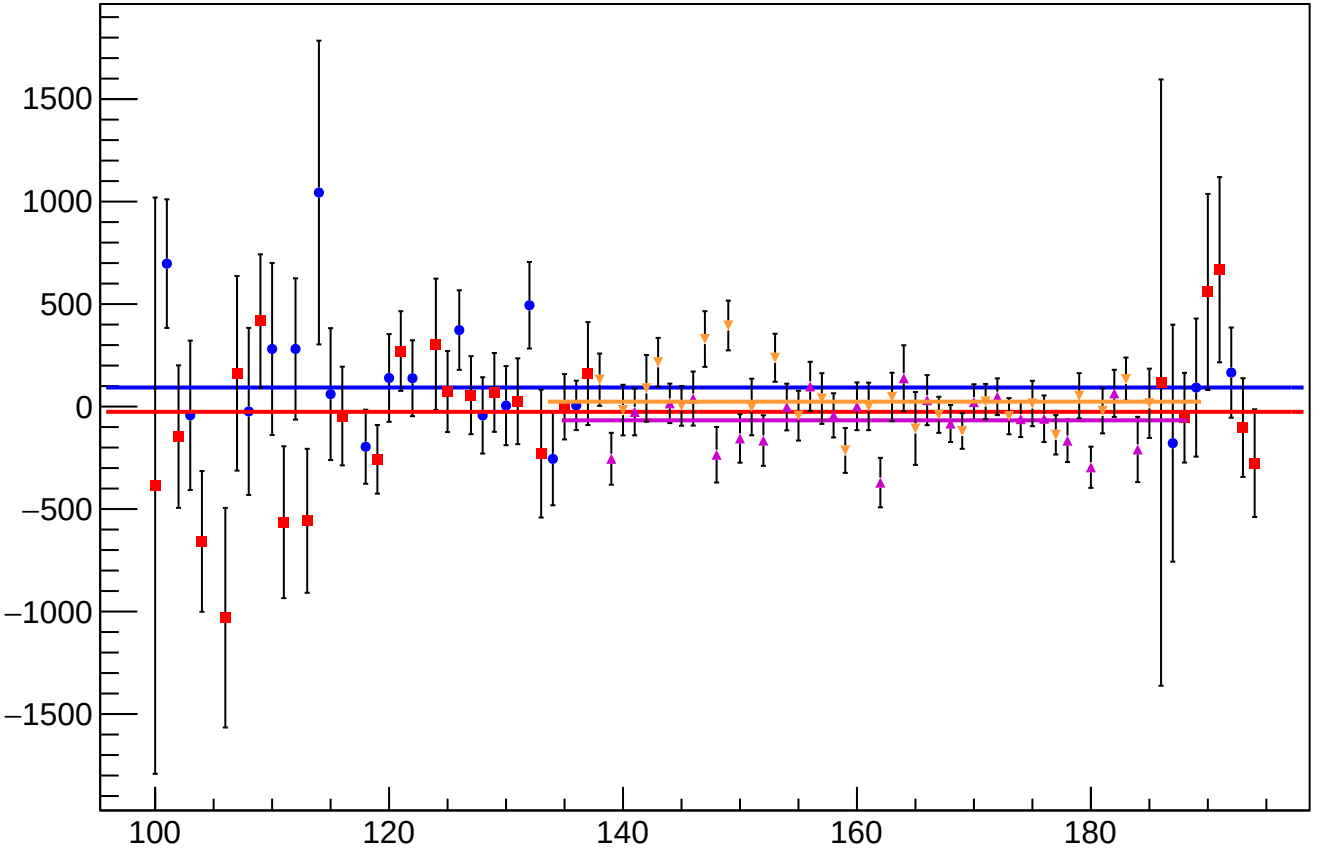
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 489.376+/-0.073 χ^2/NDF: 11769171.0/43

All: 493.454+/-0.052 χ^2/NDF: 26130036.5/91

- sign 497.717+/-0.075 χ^2/NDF: 14354541.3/47

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: -25.664+/-51.987 χ^2/NDF: 25.4/24

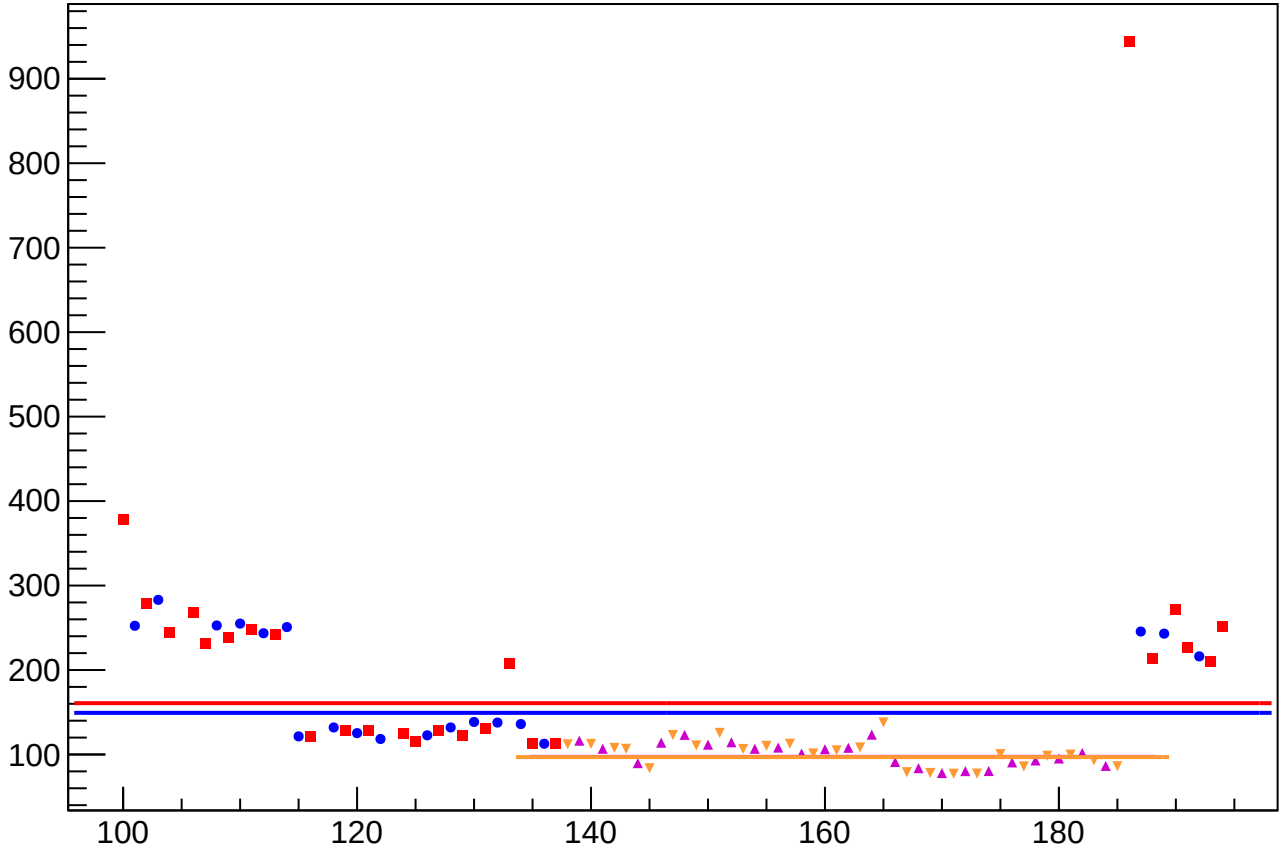
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 34.373+/-20.642 χ^2/NDF: 55.0/43

All: -11.841+/-14.764 χ^2/NDF: 119.9/91

- sign -60.245+/-21.126 χ^2/NDF: 54.6/47

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

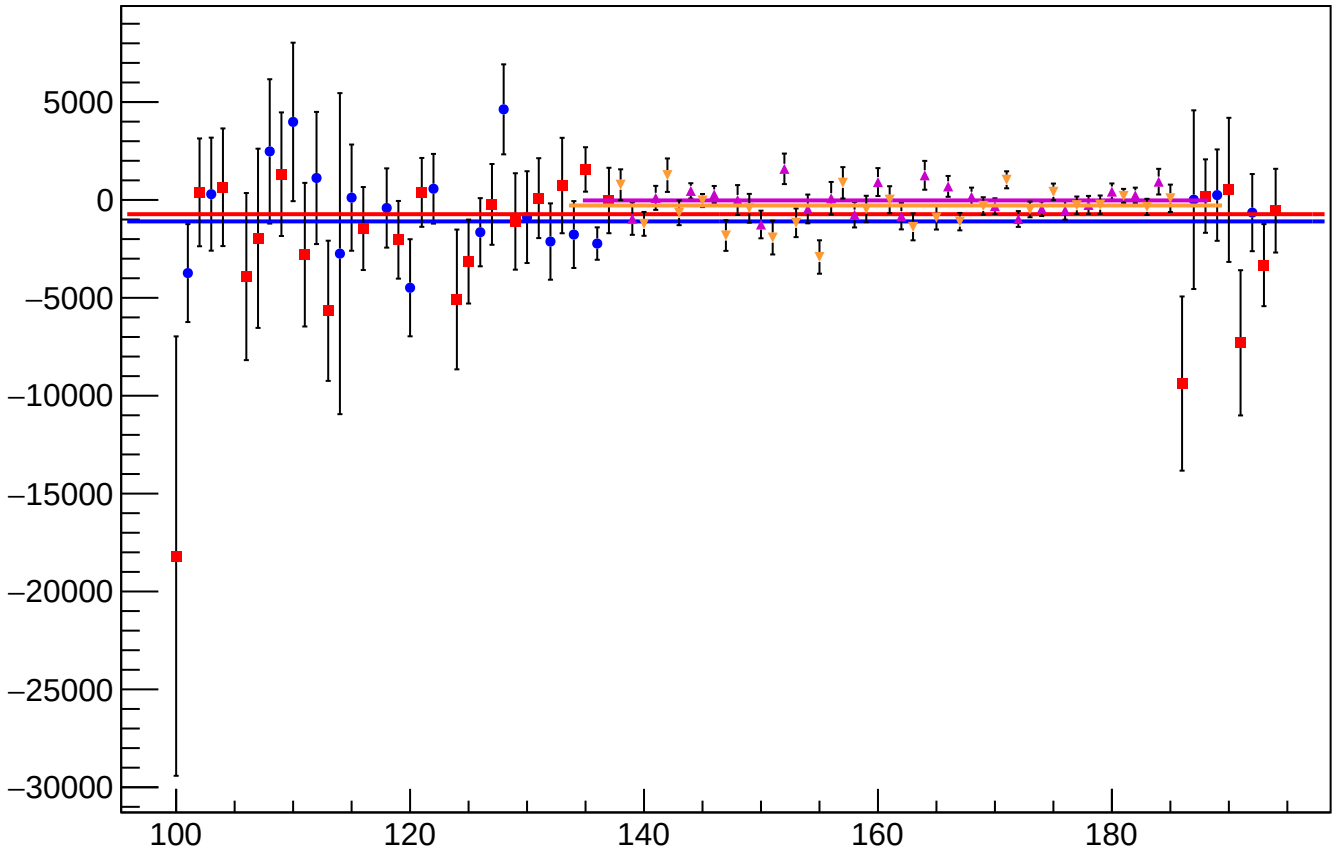
Right Out: 160.749+/-0.037 χ^2/NDF: 2787877.0/24

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 104.863+/-0.015 χ^2/NDF: 4289218.7/43

All: 106.232+/-0.010 χ^2/NDF: 10267244.6/91

- sign 107.667+/-0.015 χ^2/NDF: 5959994.3/47



Right In: -1096.360+/-464.713 χ^2/NDF: 16.4/18

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

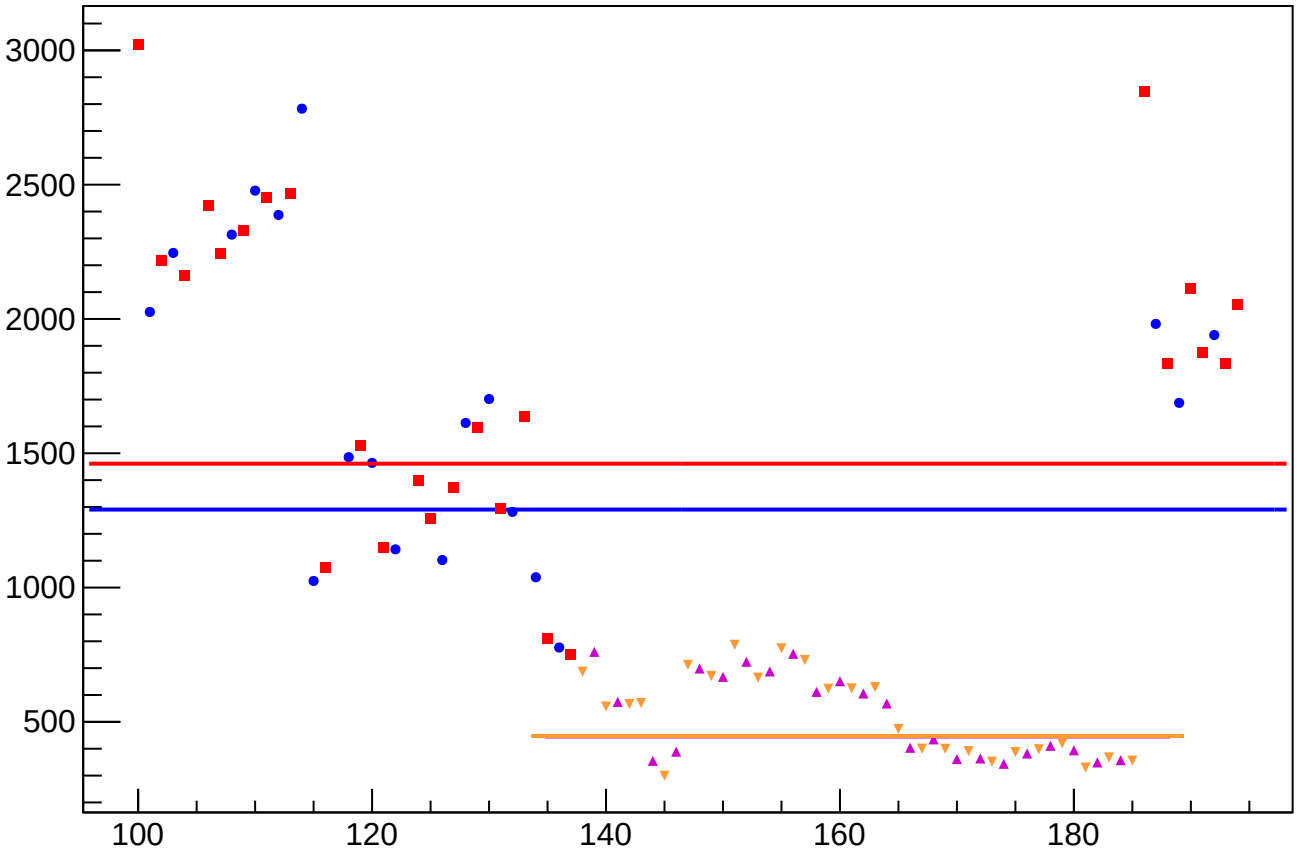
Right Out: -727.723+/-467.685 χ^2/NDF: 23.4/24

Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -322.960+/-103.711 χ^2/NDF: 69.8/43

All: -194.788+/-74.147 χ^2/NDF: 131.4/91

- sign -60.776+/-106.047 χ^2/NDF: 58.5/47



Right In: 1290.472+/-0.329 χ^2/NDF: 2316539.8/18

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1461.255+/-0.331 χ^2/NDF: 2692036.5/24

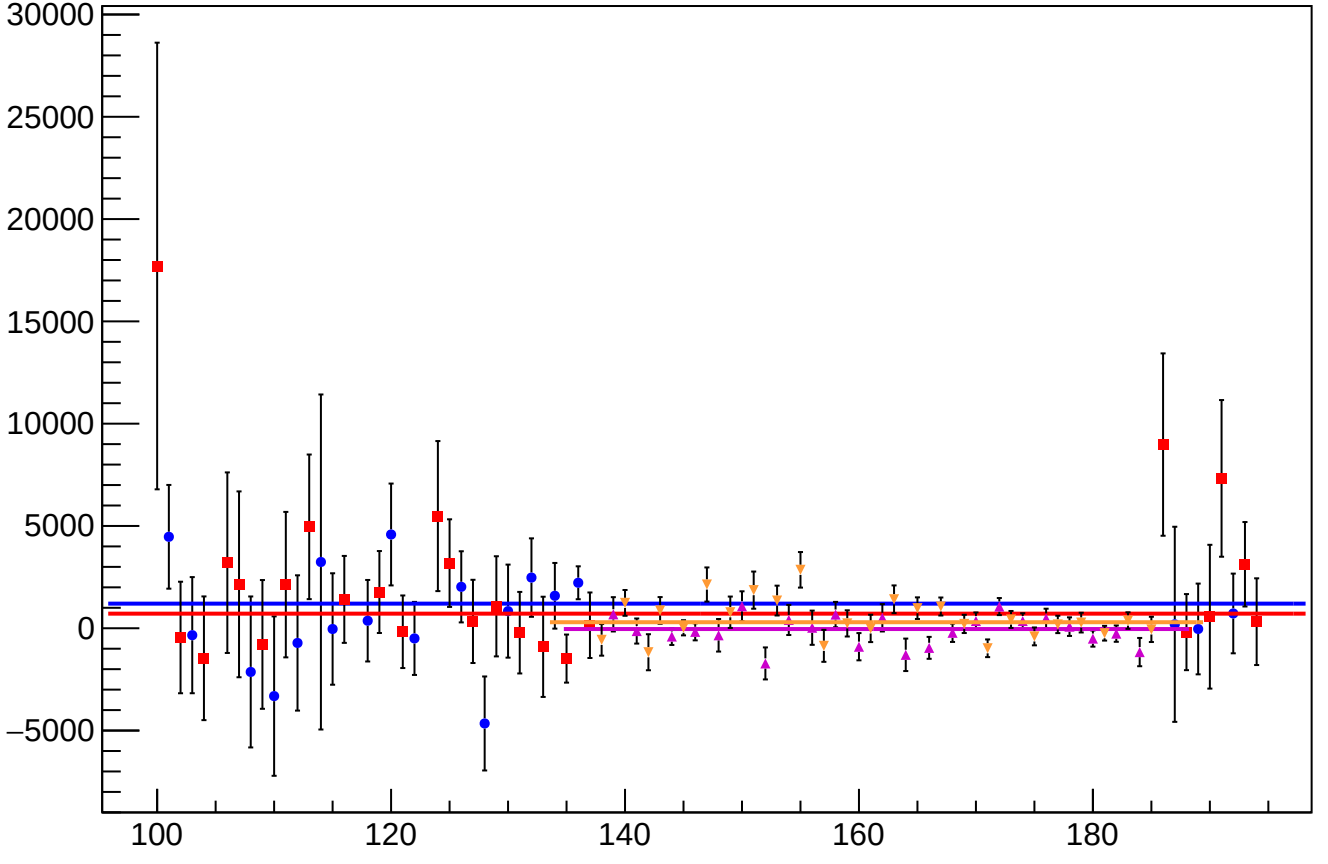
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 489.376+/-0.073 χ^2/NDF: 11769184.5/43

All: 493.453+/-0.052 χ^2/NDF: 26130052.7/91

- sign 497.717+/-0.075 χ^2/NDF: 14354543.9/47

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: 713.550+/-467.223 χ^2/NDF: 21.4/24

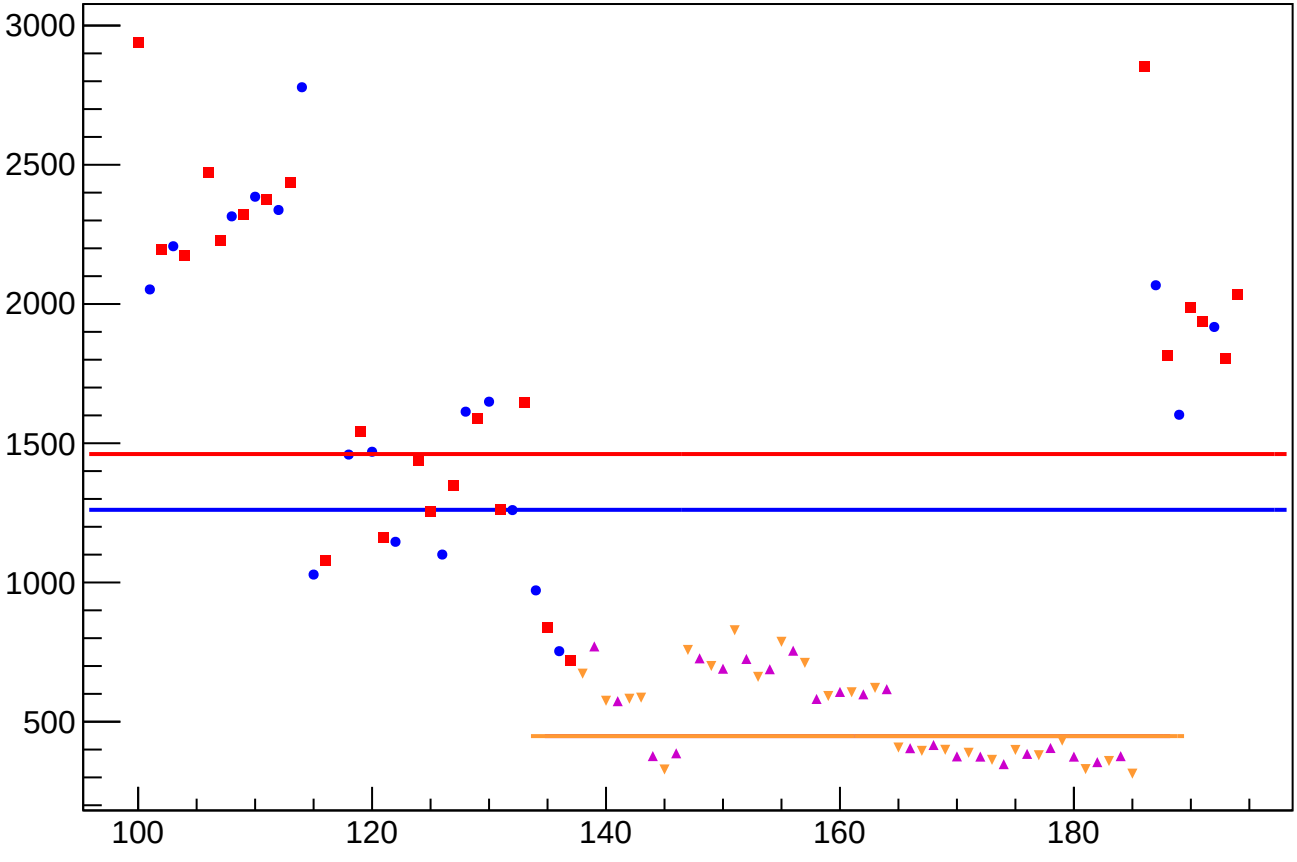
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 342.317+/-103.991 χ^2/NDF: 71.2/43

All: 175.584+/-74.384 χ^2/NDF: 133.3/91

- sign 0.904+/-106.441 χ^2/NDF: 56.8/47

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

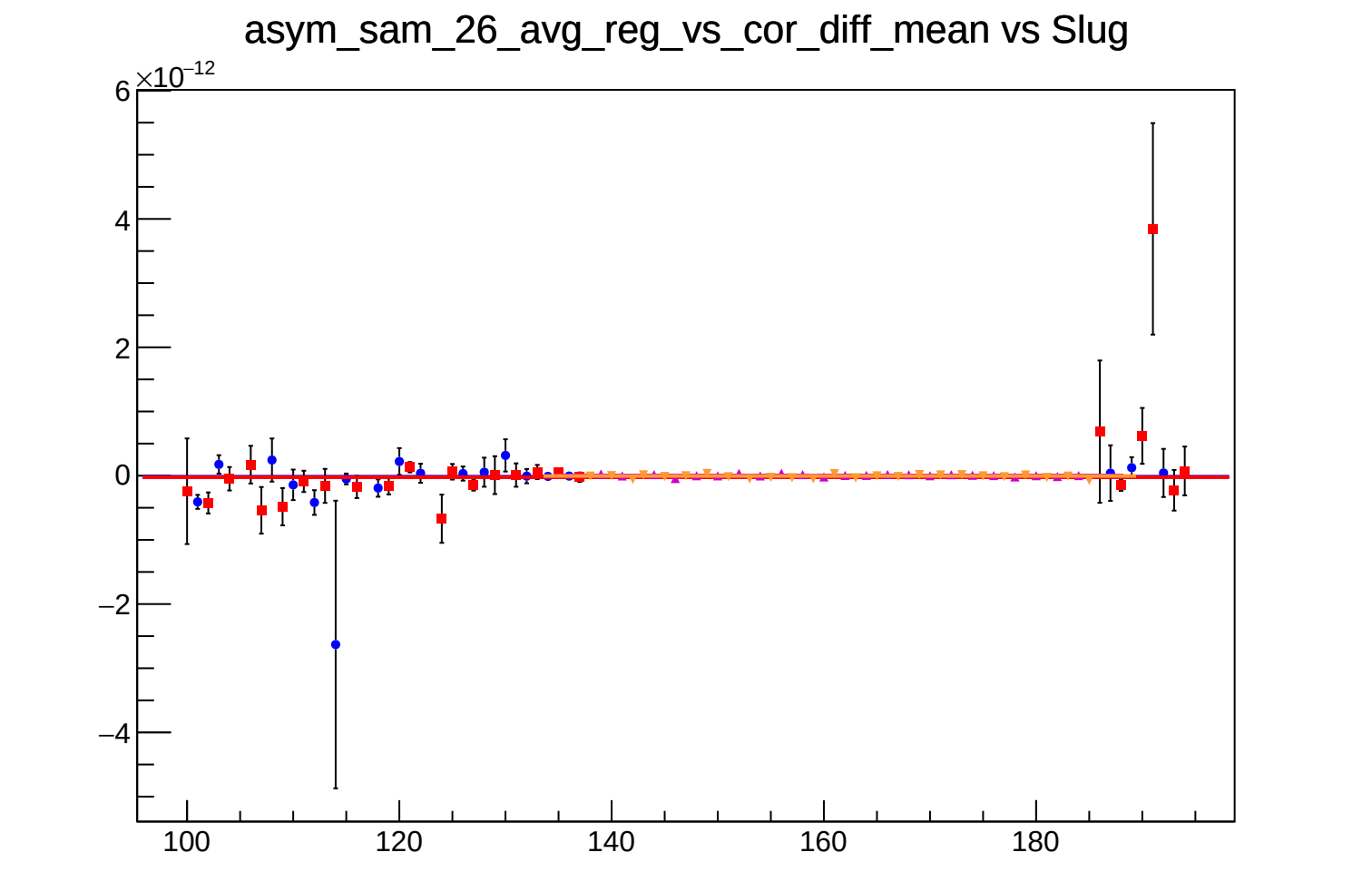
Right Out: 1461.211+/-0.330 χ^2/NDF: 2611187.7/24

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 490.600+/-0.074 χ^2/NDF: 11585658.7/43

All: 495.660+/-0.053 χ^2/NDF: 25737636.2/91

- sign 500.962+/-0.075 χ^2/NDF: 14142279.5/47



Right In: -0.000+/-0.000 χ^2/NDF: 27.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

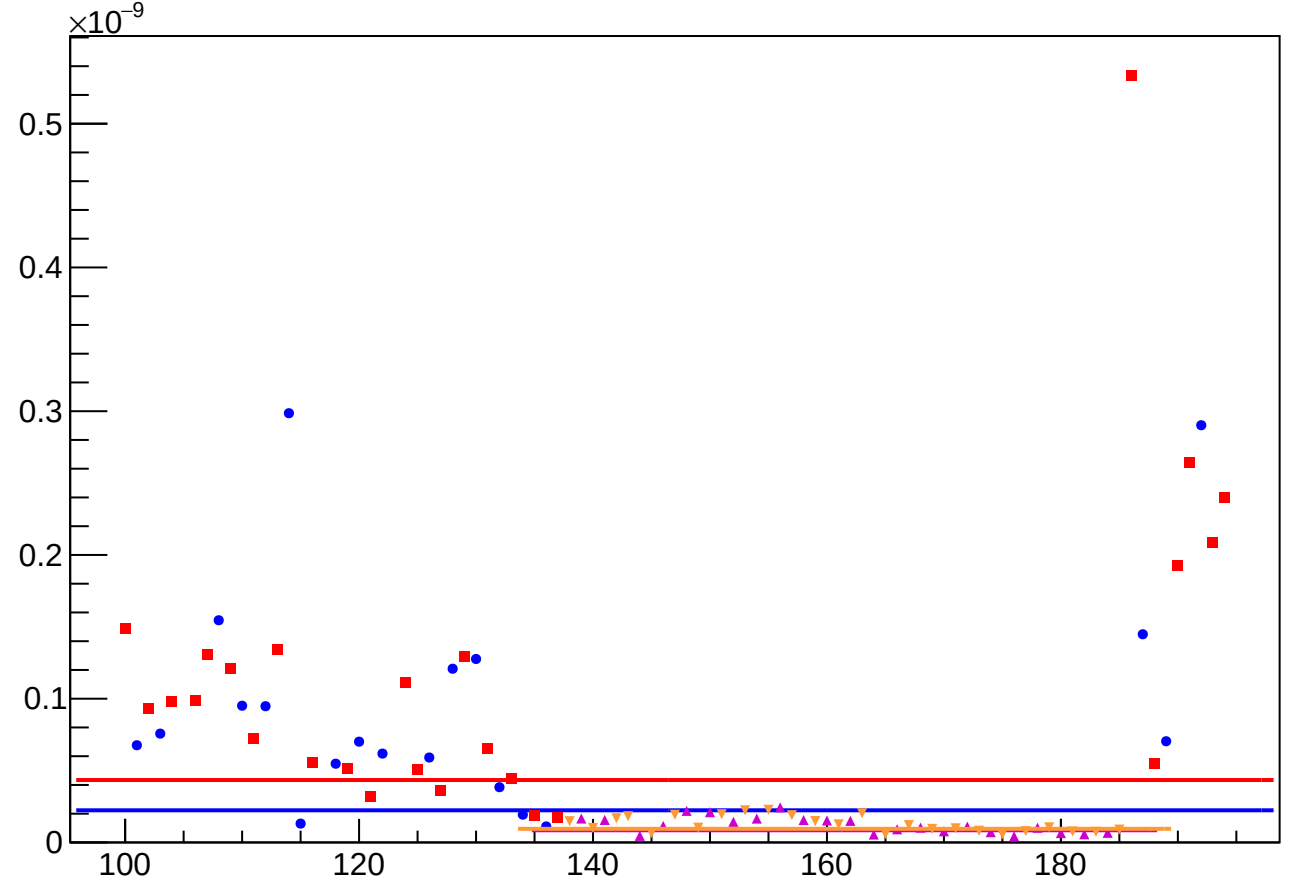
Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/24

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.2/43

All: -0.000+/-0.000 χ^2/NDF: 107.7/91

- sign 0.000+/-0.000 χ^2/NDF: 54.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 4747756.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3900570.7/24

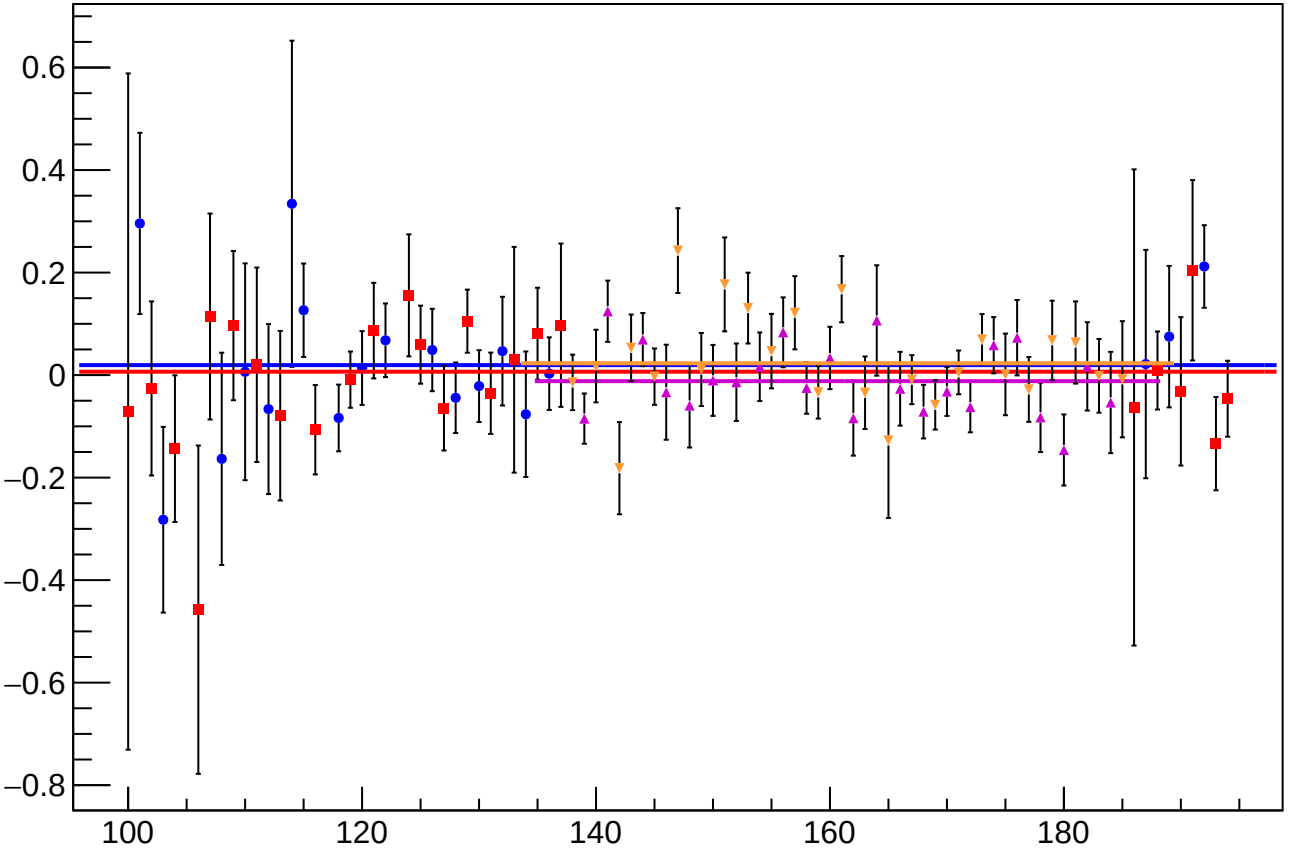
Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8182797.5/43

All: 0.000+/-0.000 χ^2/NDF: 18375979.5/91

- sign 0.000+/-0.000 χ^2/NDF: 10136099.1/47

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: 0.007+/-0.021 χ^2/NDF: 17.6/24

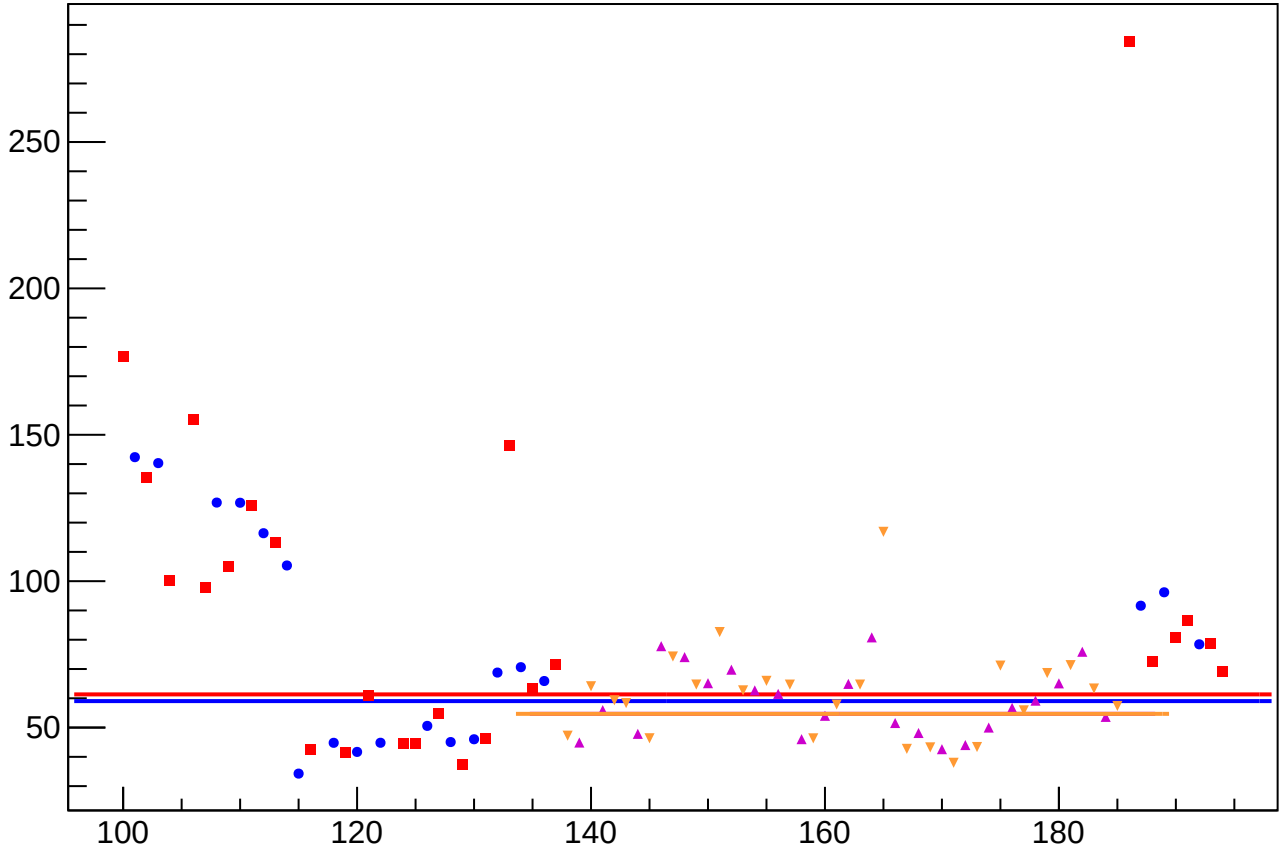
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 53.7/43

All: 0.008+/-0.008 χ^2/NDF: 101.1/91

- sign -0.006+/-0.011 χ^2/NDF: 44.1/47

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

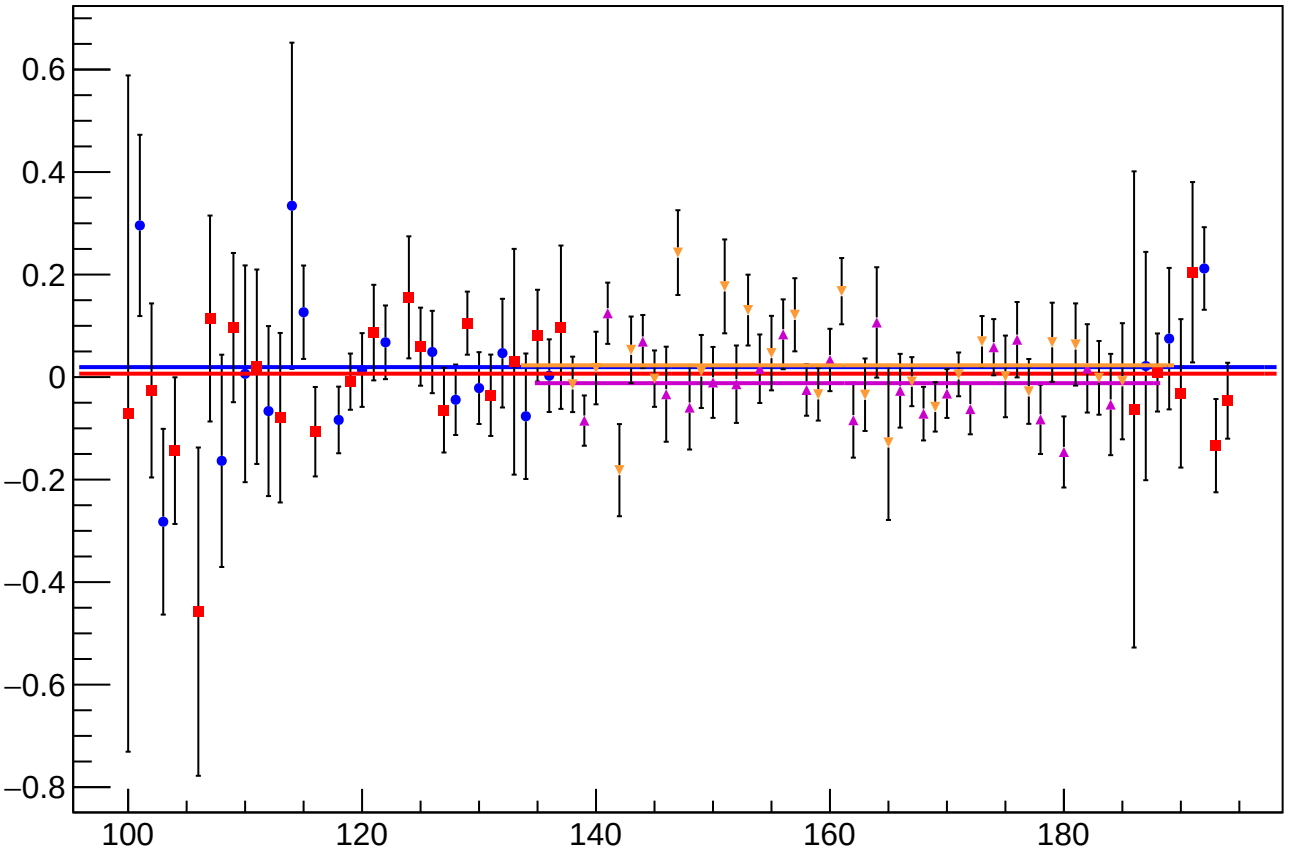
Right Out: 61.332+/-0.015 χ^2/NDF: 3305895.2/24

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 55.797+/-0.008 χ^2/NDF: 4512479.4/43

All: 56.220+/-0.006 χ^2/NDF: 9162528.9/91

- sign 56.641+/-0.008 χ^2/NDF: 4644316.7/47



Right In: 0.019+/-0.022 χ^2/NDF: 19.5/18

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

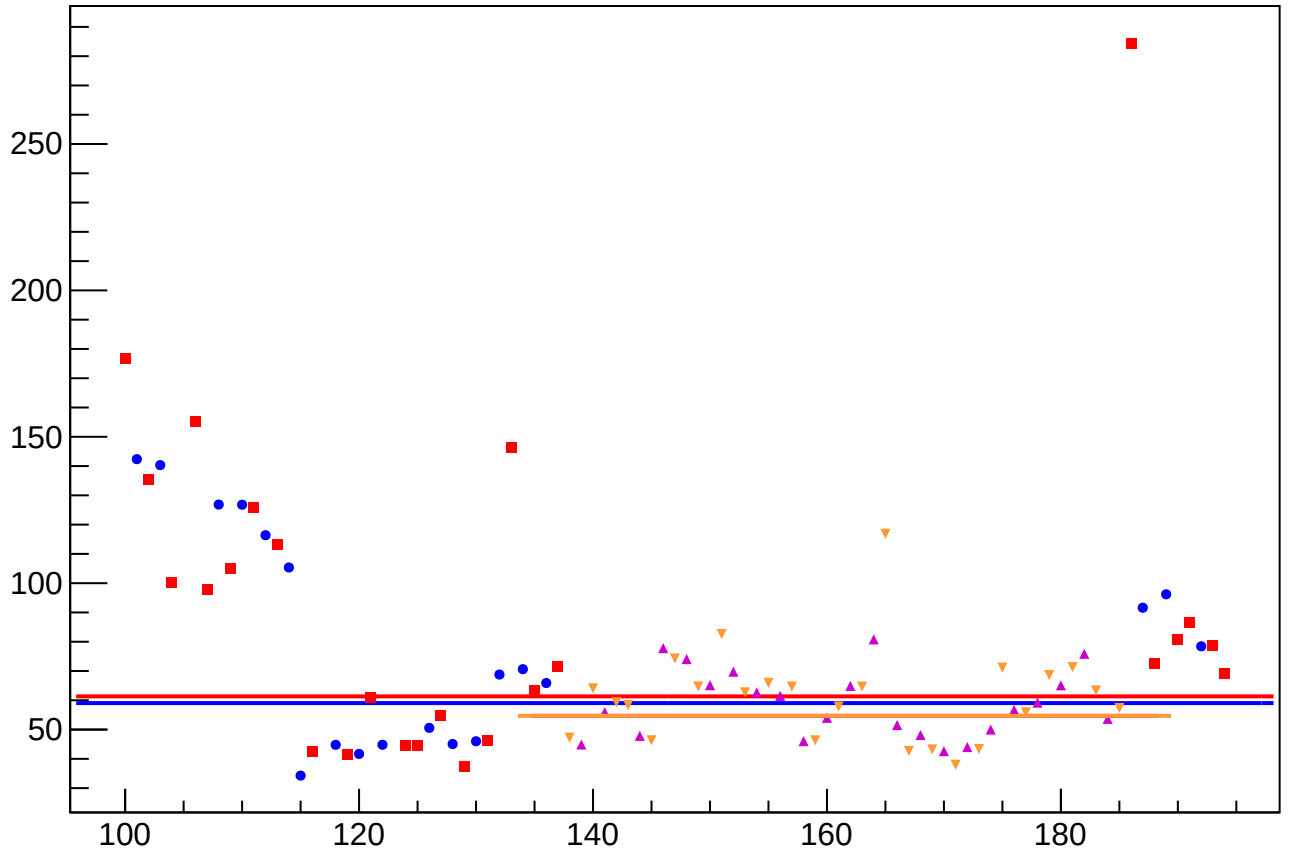
Right Out: 0.007+/-0.021 χ^2/NDF: 17.6/24

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 53.7/43

All: 0.008+/-0.008 χ^2/NDF: 101.1/91

- sign -0.006+/-0.011 χ^2/NDF: 44.1/47



Right In: 59.038+/-0.016 χ^2/NDF: 2518067.5/18

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

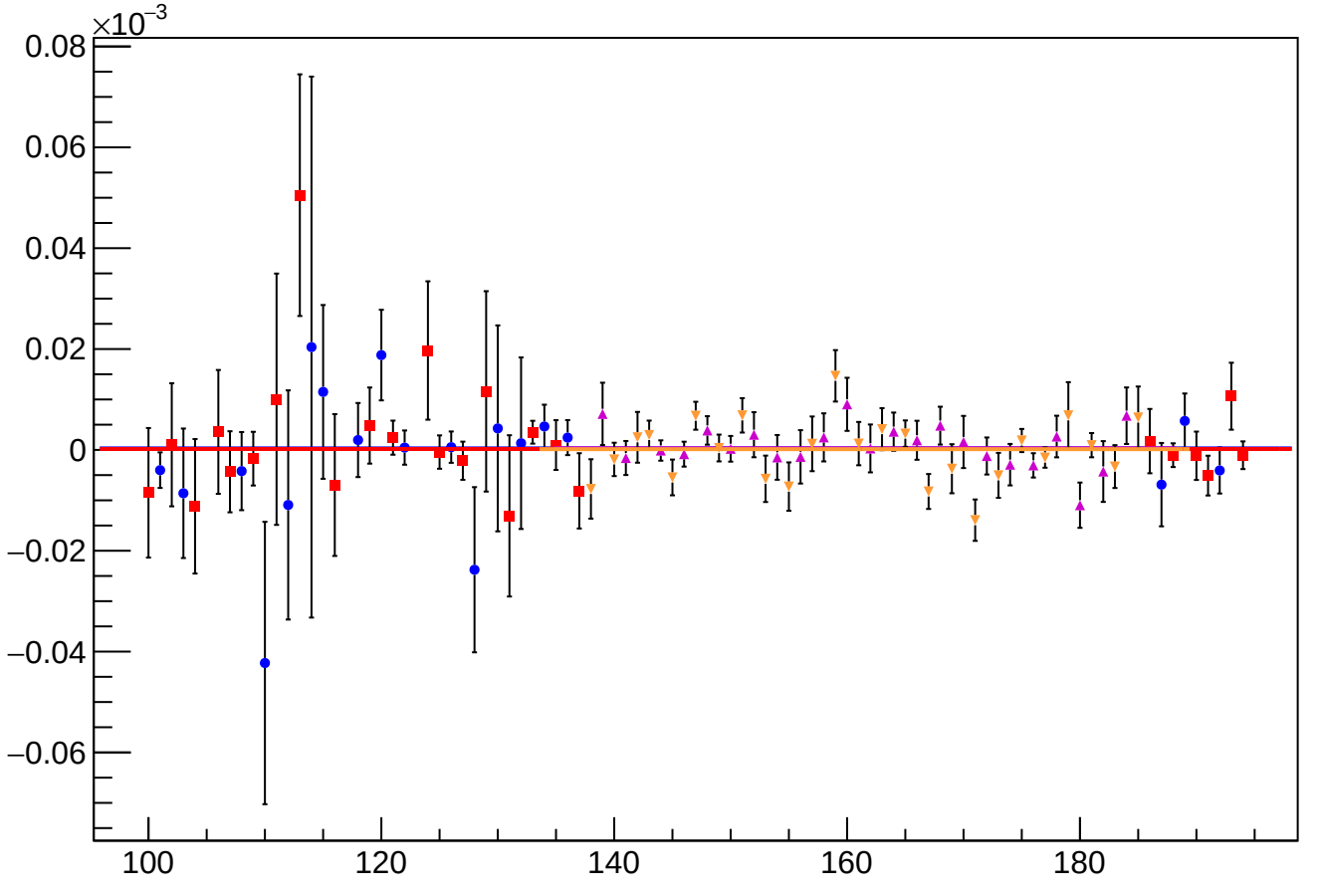
Right Out: 61.332+/-0.015 χ^2/NDF: 3305895.2/24

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 55.797+/-0.008 χ^2/NDF: 4512479.4/43

All: 56.220+/-0.006 χ^2/NDF: 9162528.9/91

- sign 56.641+/-0.008 χ^2/NDF: 4644316.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 16.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

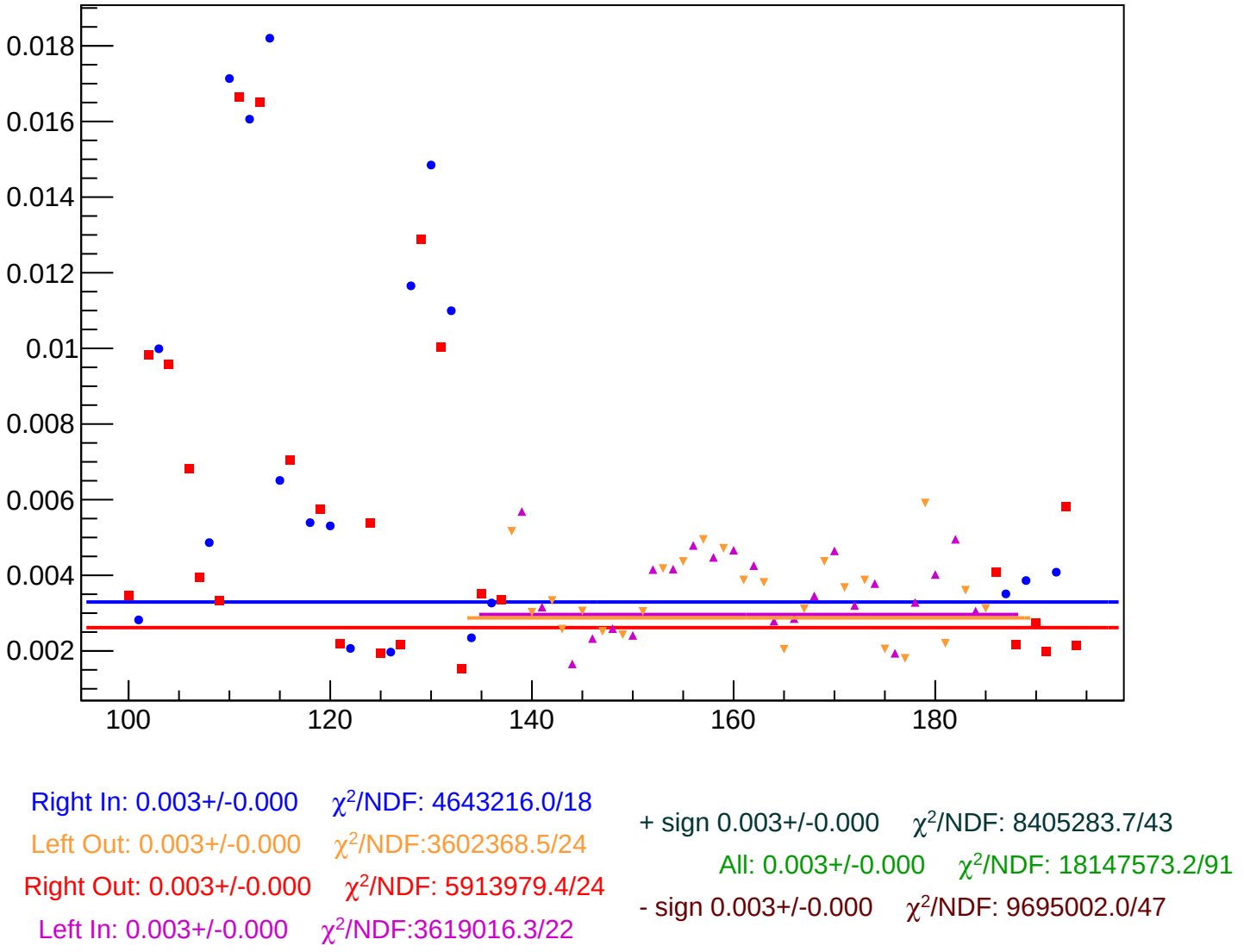
Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/24

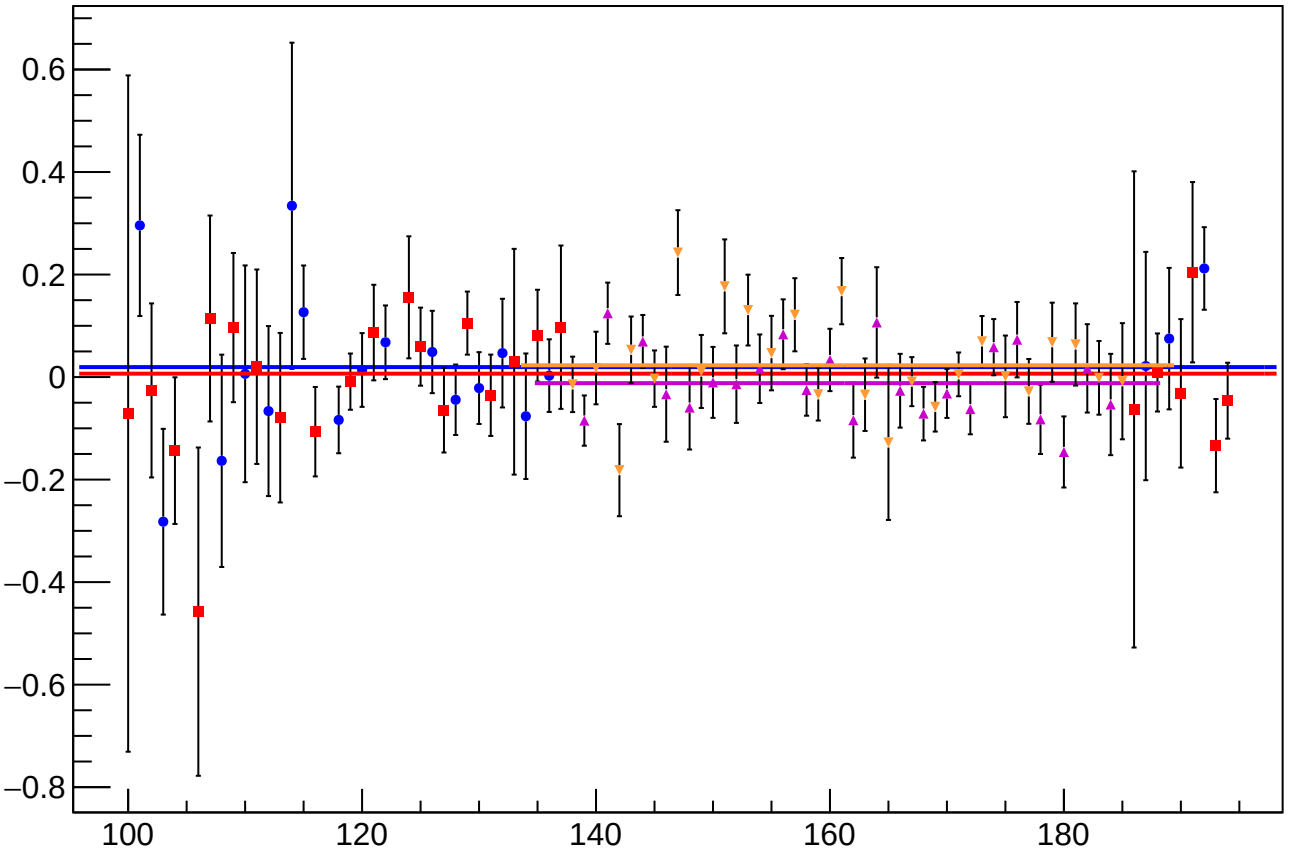
Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.7/43

All: 0.000+/-0.000 χ^2/NDF: 109.6/91

- sign 0.000+/-0.000 χ^2/NDF: 39.8/47


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
Right In: 0.003+/-0.000 χ²/NDF: 4643216.0/18
Left Out: 0.003+/-0.000 χ²/NDF:3602368.5/24
Right Out: 0.003+/-0.000 χ²/NDF: 5913979.4/24
Left In: 0.003+/-0.000 χ²/NDF:3619016.3/22
+ sign 0.003+/-0.000 χ²/NDF: 8405283.7/43
All: 0.003+/-0.000 χ²/NDF: 18147573.2/91
- sign 0.003+/-0.000 χ²/NDF: 9695002.0/47



Right In: 0.019+/-0.022 χ^2/NDF: 19.5/18

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

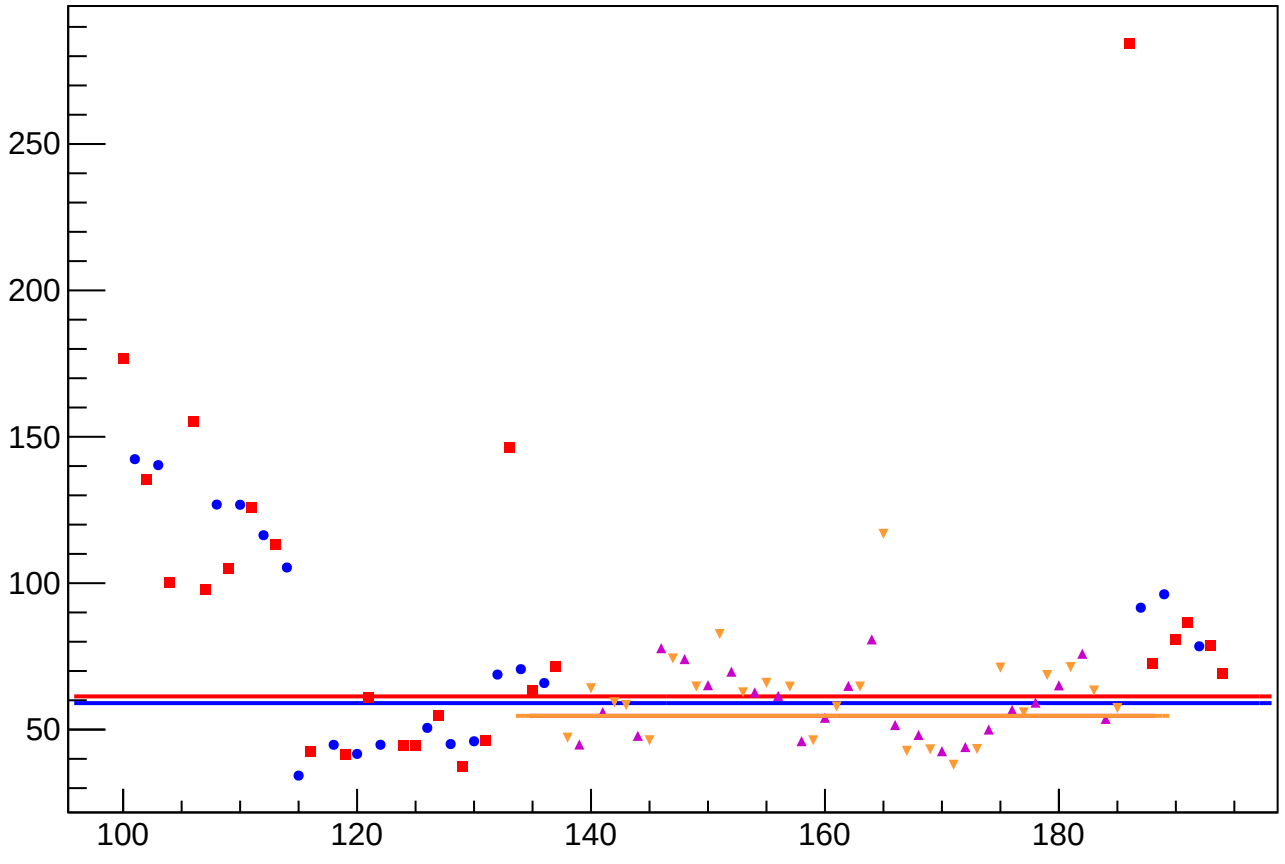
Right Out: 0.007+/-0.021 χ^2/NDF: 17.6/24

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 53.7/43

All: 0.008+/-0.008 χ^2/NDF: 101.1/91

- sign -0.006+/-0.011 χ^2/NDF: 44.1/47



Right In: 59.038+/-0.016 χ^2/NDF: 2518027.3/18

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

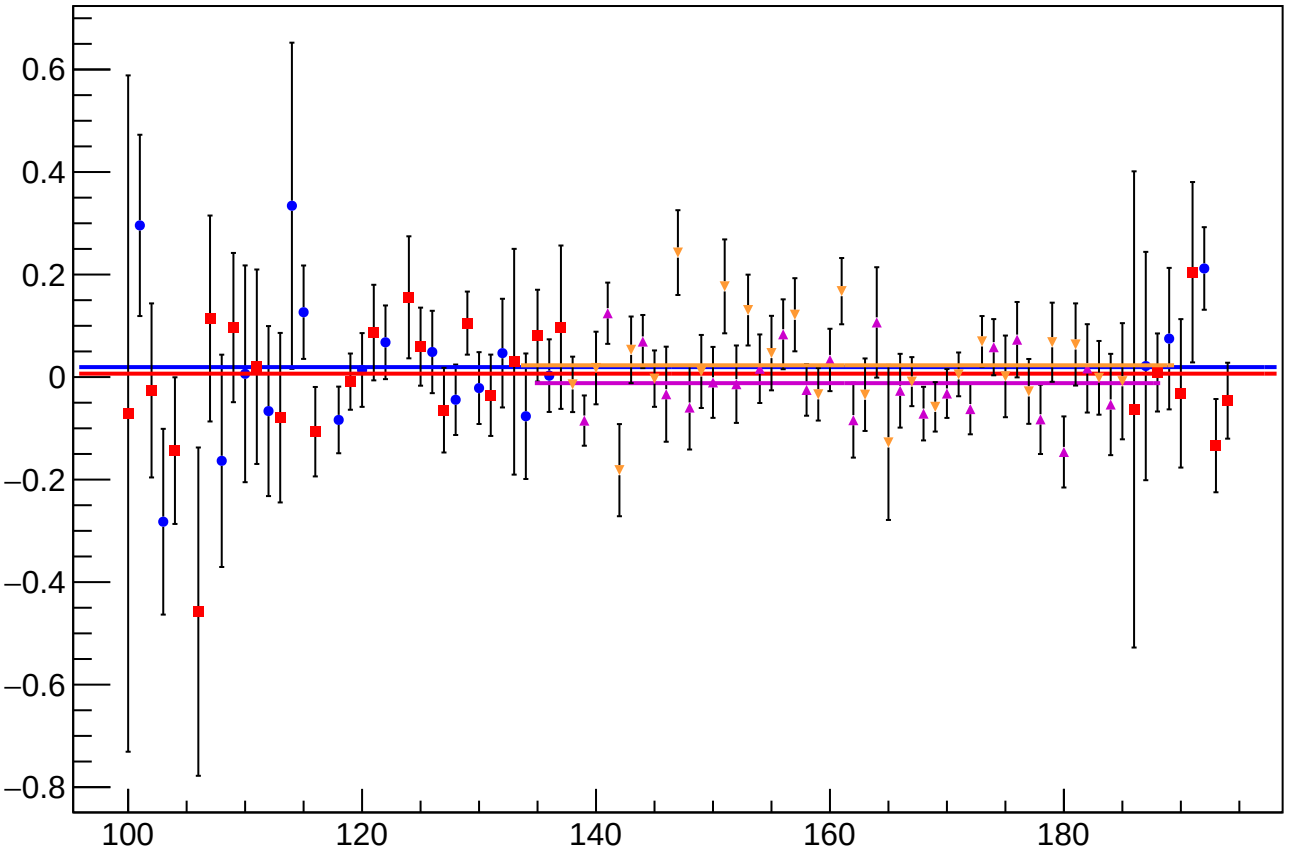
Right Out: 61.332+/-0.015 χ^2/NDF: 3305864.0/24

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 55.797+/-0.008 χ^2/NDF: 4512415.1/43

All: 56.220+/-0.006 χ^2/NDF: 9162358.9/91

- sign 56.642+/-0.008 χ^2/NDF: 4644210.4/47



Right In: 0.019+/-0.022 χ^2/NDF: 19.5/18

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

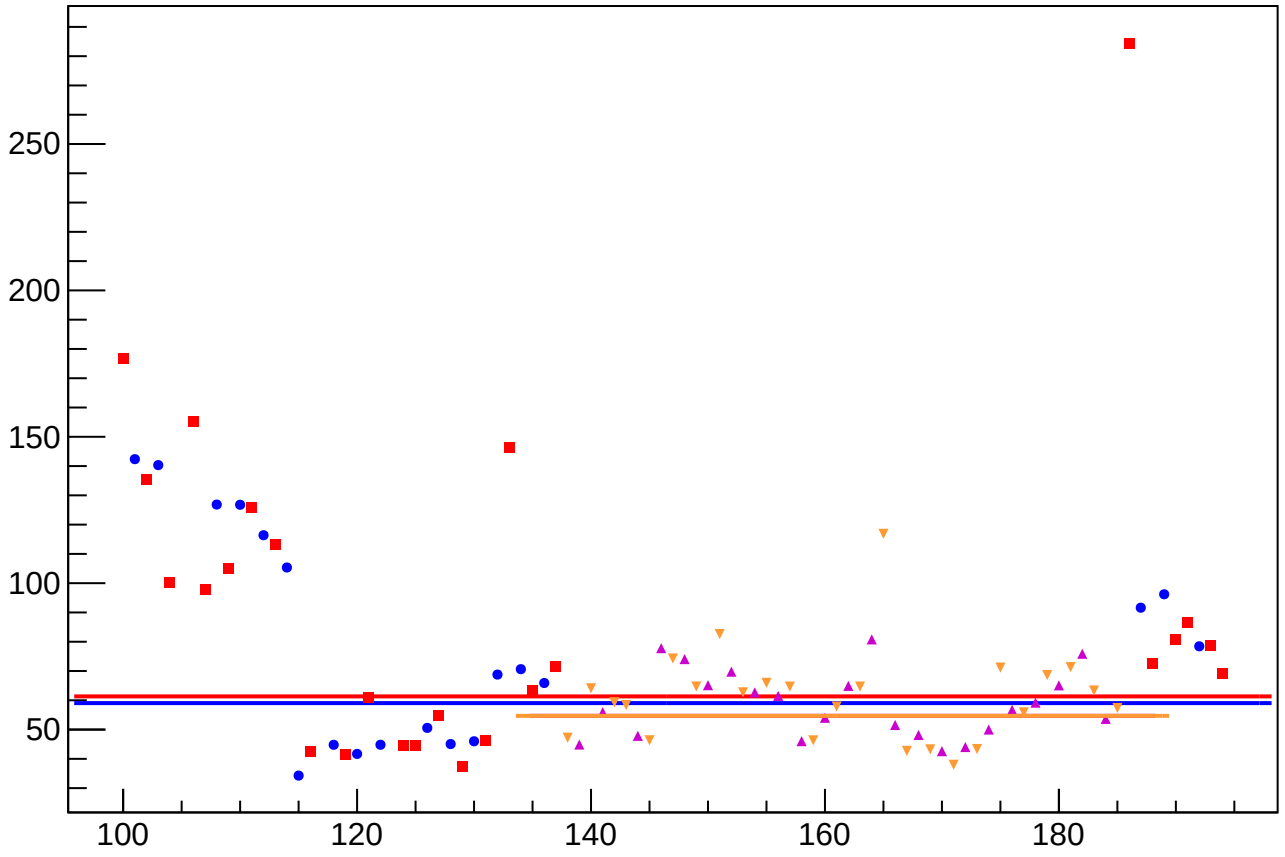
Right Out: 0.007+/-0.021 χ^2/NDF: 17.6/24

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 53.7/43

All: 0.008+/-0.008 χ^2/NDF: 101.1/91

- sign -0.006+/-0.011 χ^2/NDF: 44.1/47



Right In: 59.038+/-0.016 χ^2/NDF: 2518027.3/18

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

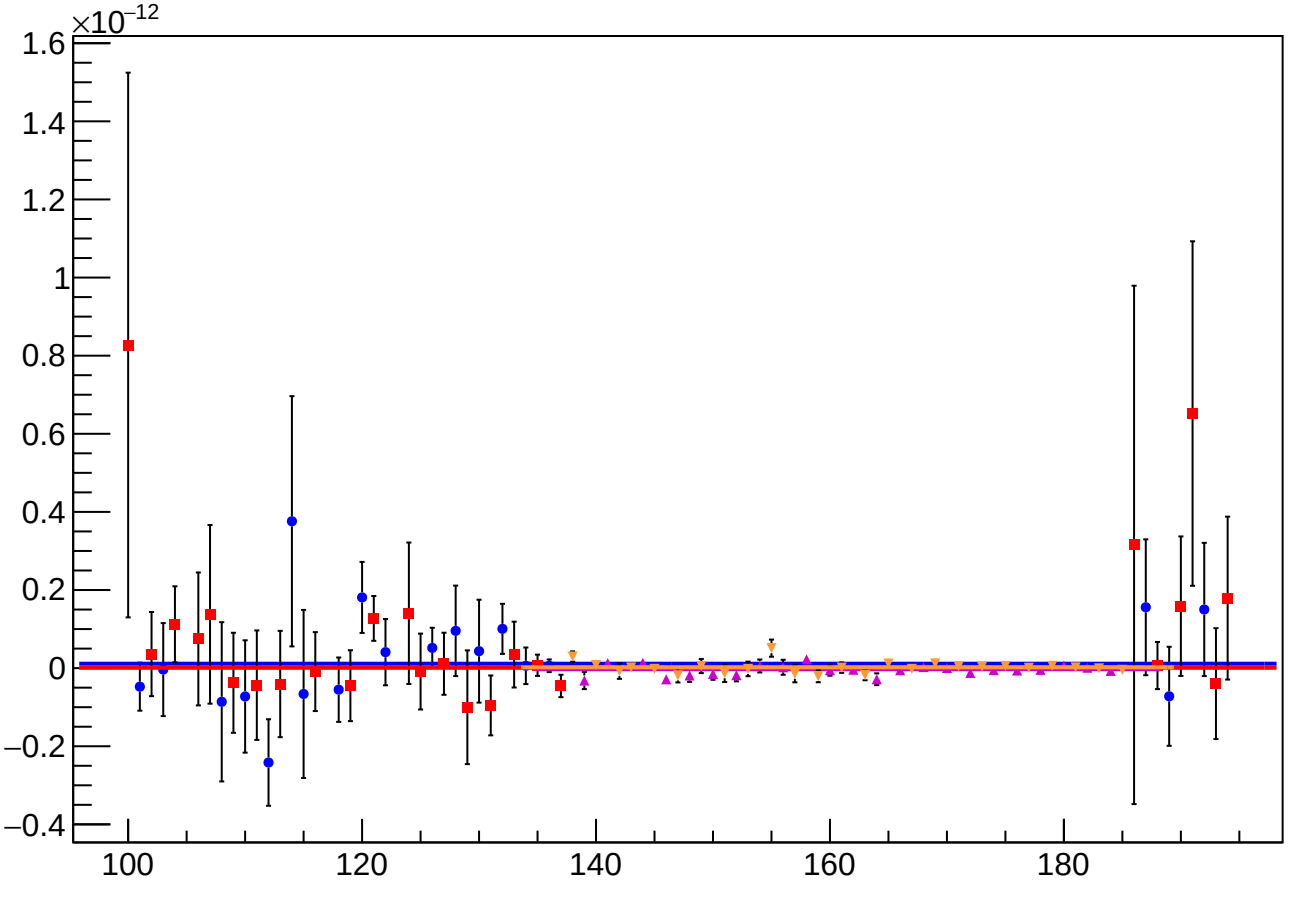
Right Out: 61.332+/-0.015 χ^2/NDF: 3305864.0/24

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 55.797+/-0.008 χ^2/NDF: 4512415.1/43

All: 56.220+/-0.006 χ^2/NDF: 9162358.9/91

- sign 56.642+/-0.008 χ^2/NDF: 4644210.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

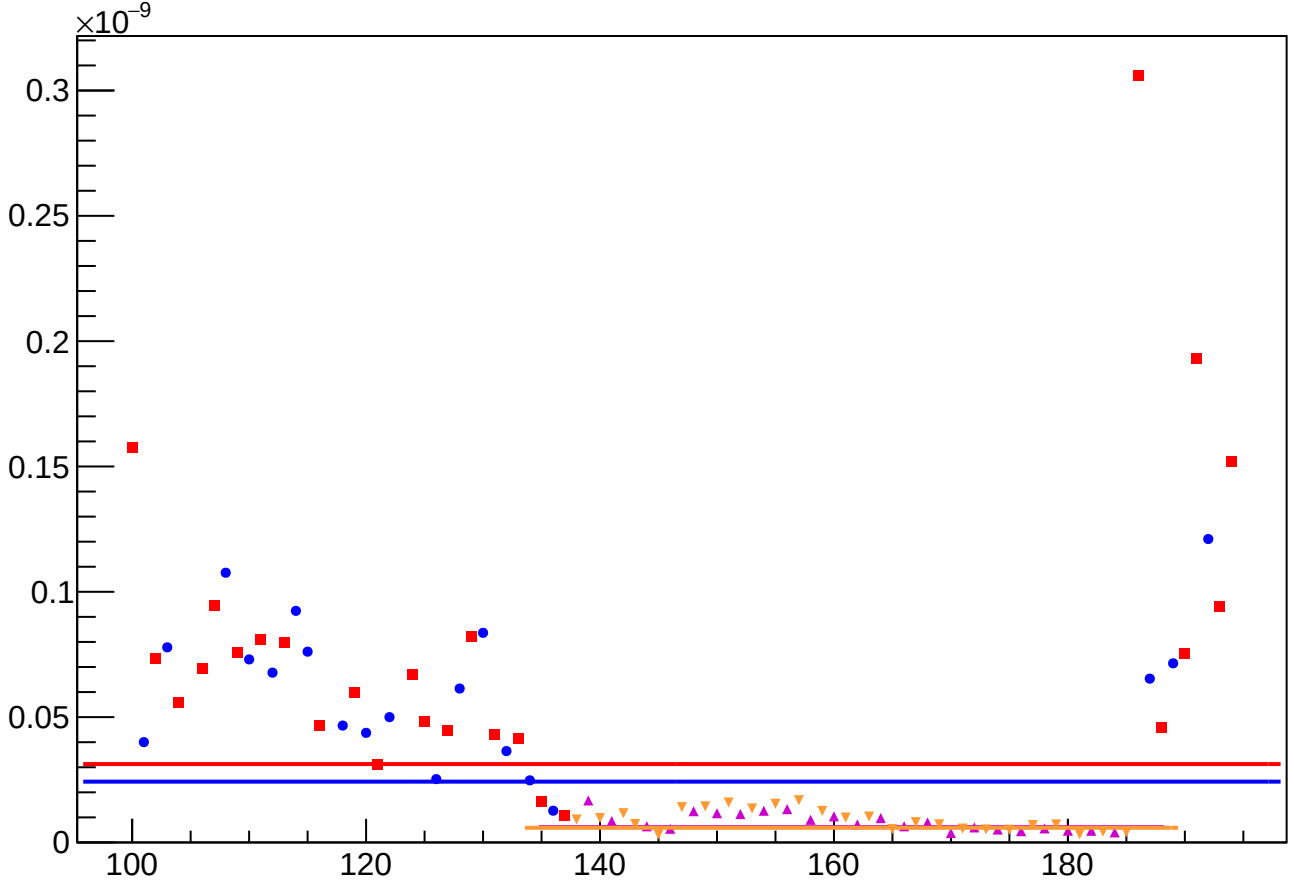
Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/24

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.7/43

All: -0.000+/-0.000 χ^2/NDF: 93.9/91

- sign -0.000+/-0.000 χ^2/NDF: 51.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 4784545.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5810148.3/24

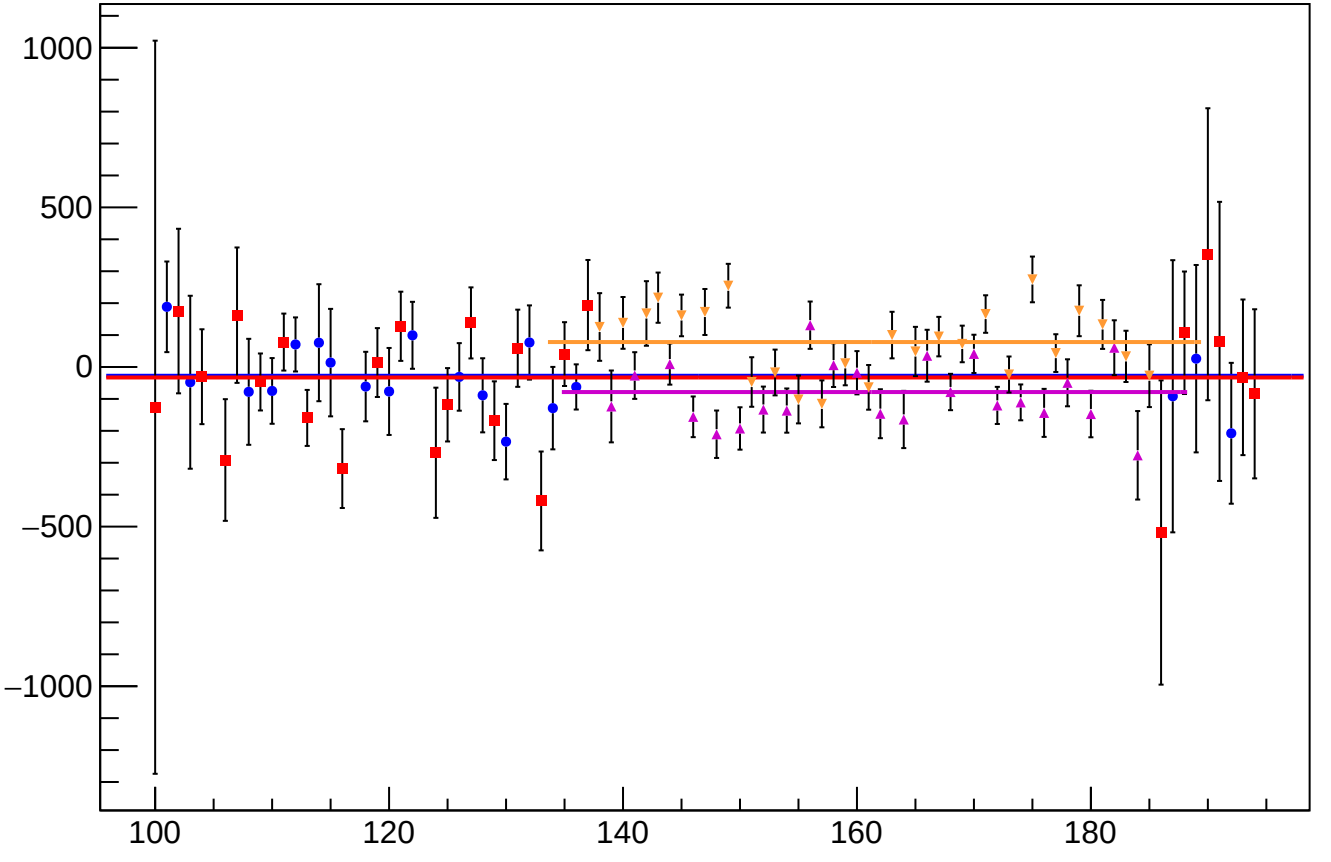
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14358023.8/43

All: 0.000+/-0.000 χ^2/NDF: 29162457.8/91

- sign 0.000+/-0.000 χ^2/NDF: 14778634.1/47

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: -32.843+/-27.653 χ^2/NDF: 32.5/24

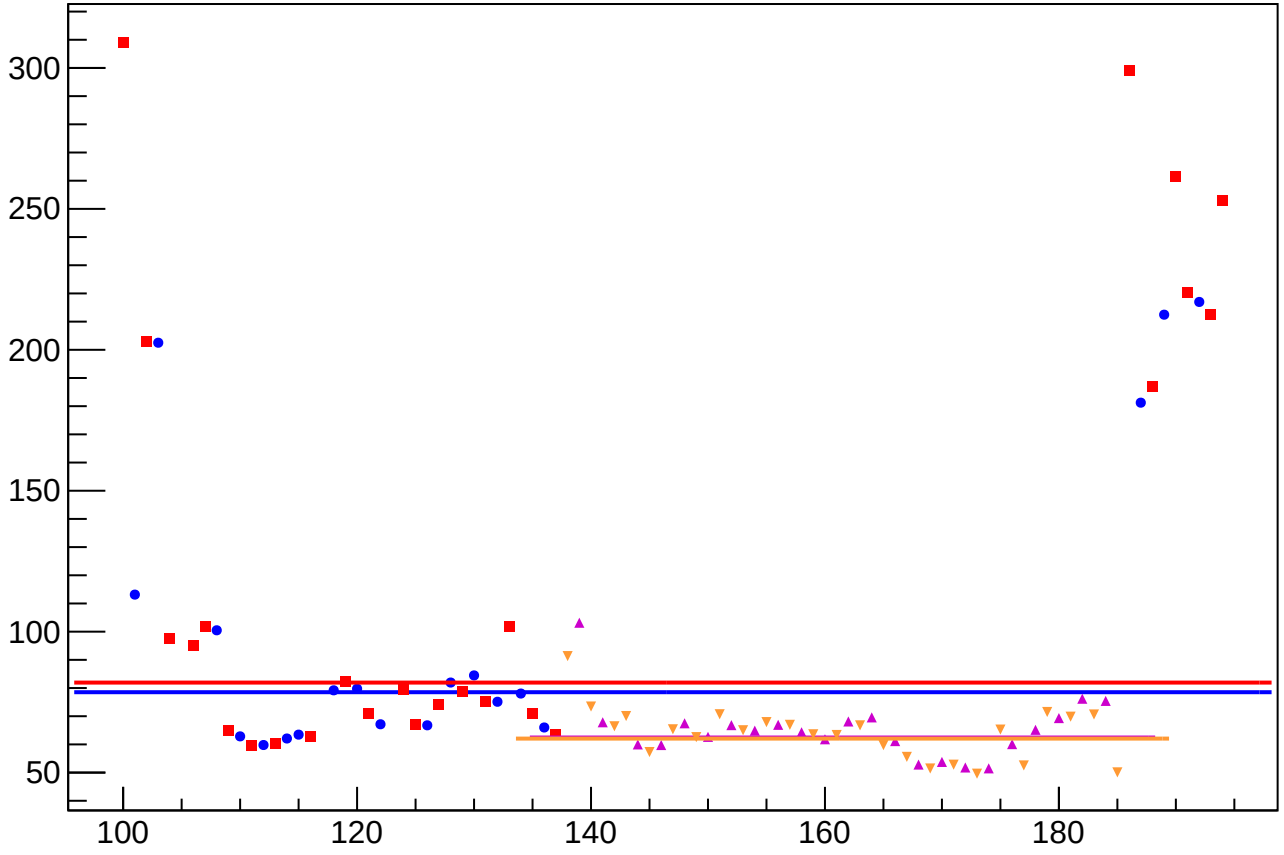
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.809+/-12.797 χ^2/NDF: 76.6/43

All: -4.502+/-9.139 χ^2/NDF: 194.7/91

- sign -68.327+/-13.056 χ^2/NDF: 71.3/47

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

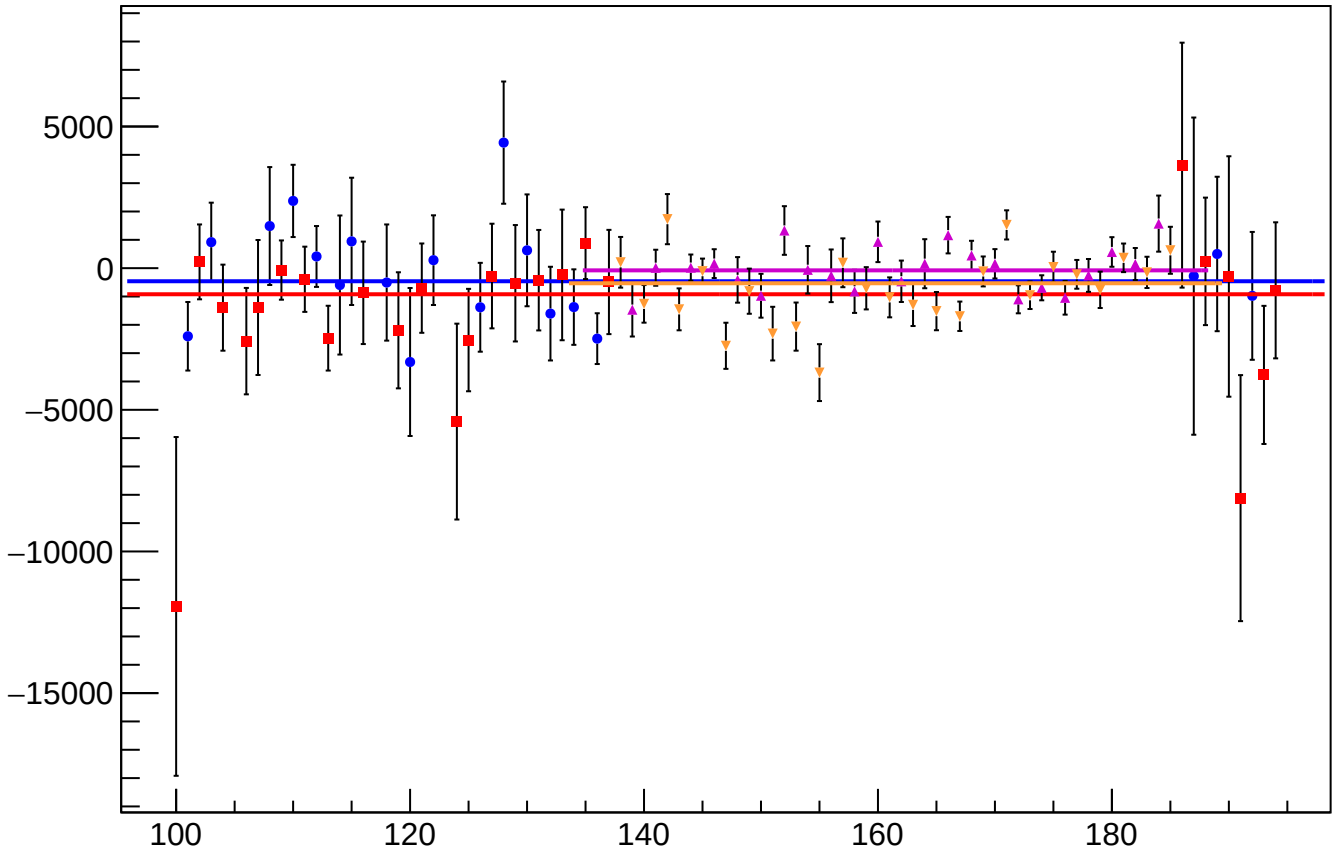
Right Out: 81.934+/-0.020 χ^2/NDF: 4026647.0/24

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 65.388+/-0.009 χ^2/NDF: 3408858.4/43

All: 66.075+/-0.006 χ^2/NDF: 8883835.2/91

- sign 66.790+/-0.009 χ^2/NDF: 5463214.1/47



Right In: -461.737+/-365.813 χ^2/NDF: 23.9/18

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -920.917+/-355.373 χ^2/NDF: 18.6/24

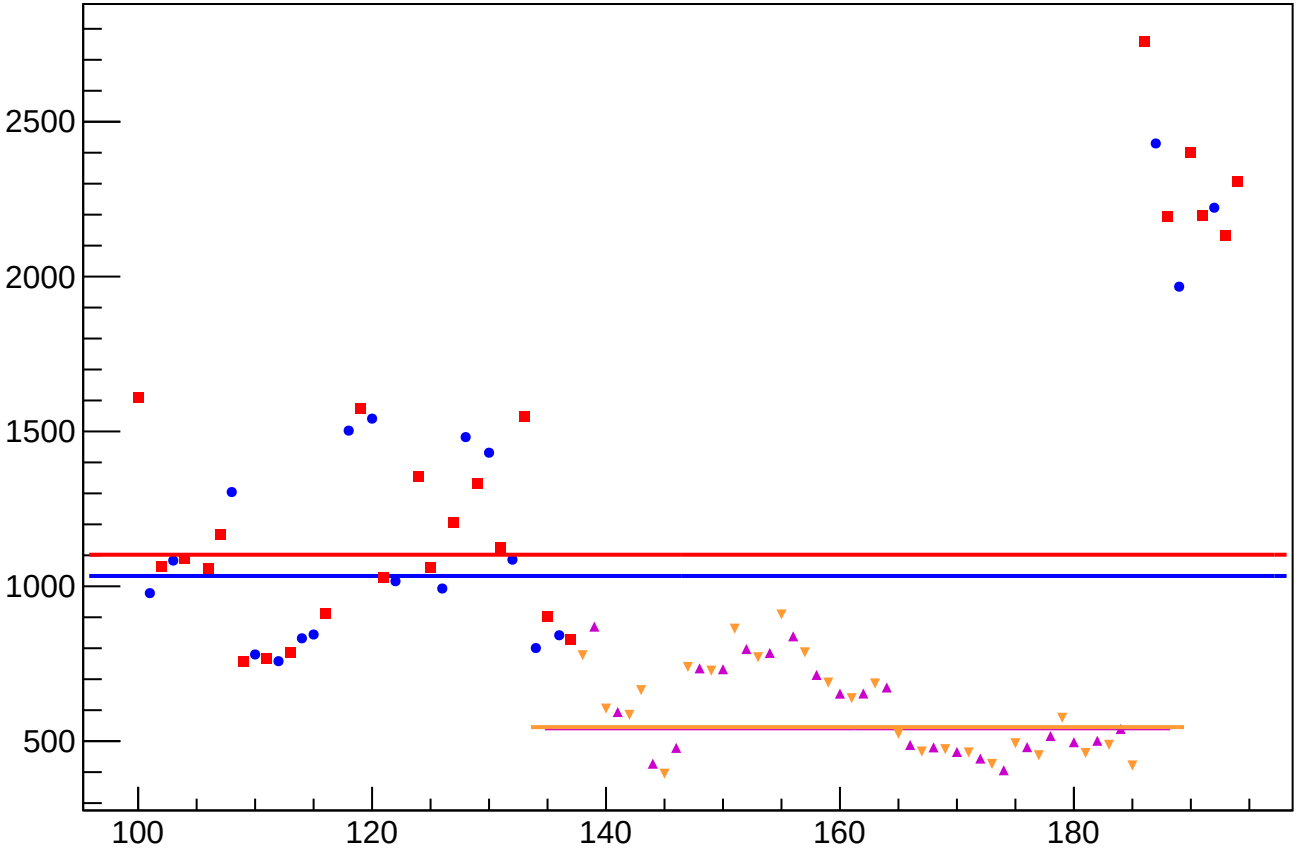
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -525.037+/-120.756 χ^2/NDF: 93.0/43

All: -353.488+/-85.945 χ^2/NDF: 149.0/91

- sign -177.379+/-122.350 χ^2/NDF: 51.9/47

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: 1101.960+/-0.251 χ^2/NDF: 2841072.1/24

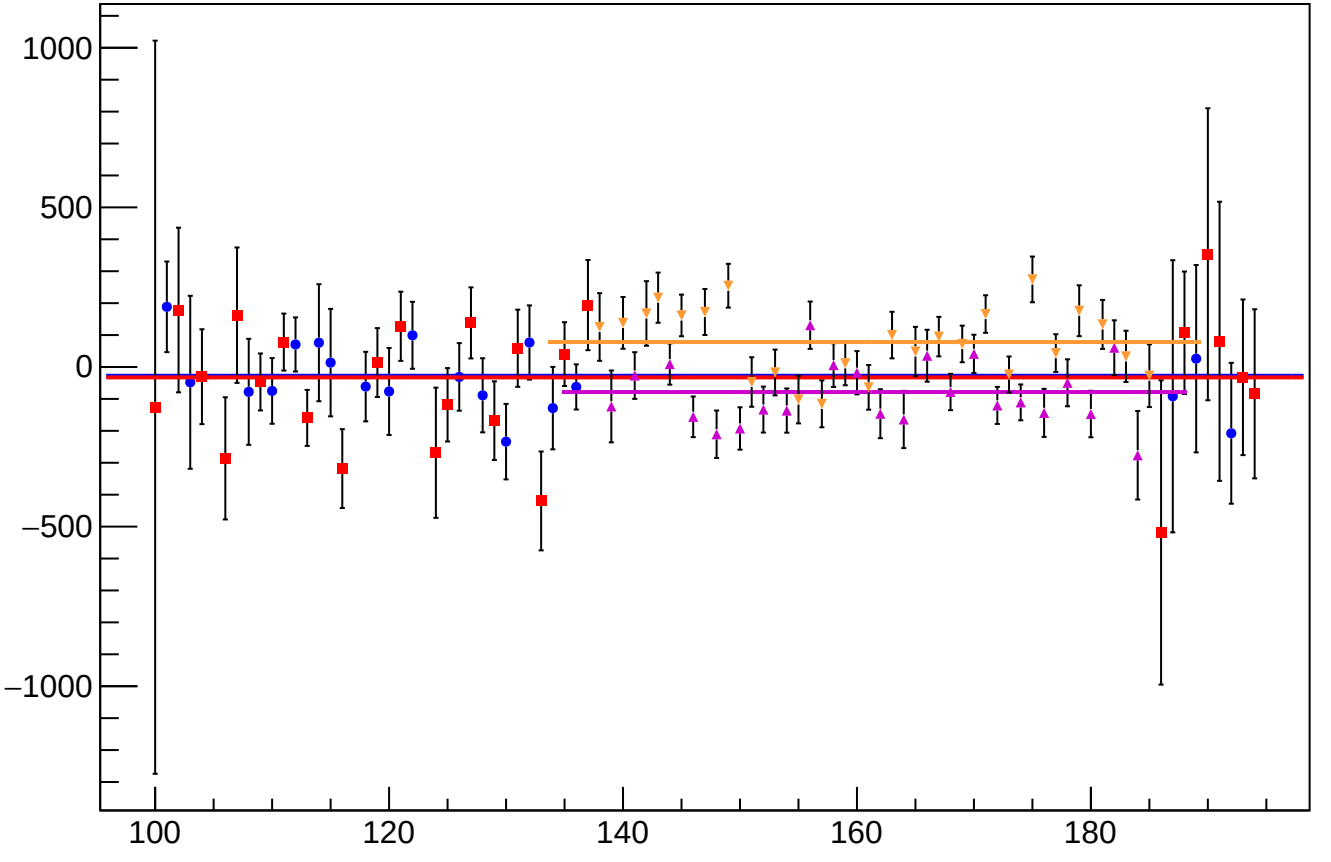
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 598.487+/-0.085 χ^2/NDF: 6952751.8/43

All: 603.130+/-0.061 χ^2/NDF: 16025681.7/91

- sign 607.896+/-0.087 χ^2/NDF: 9066938.5/47

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: -32.652+/-27.655 χ^2/NDF: 32.4/24

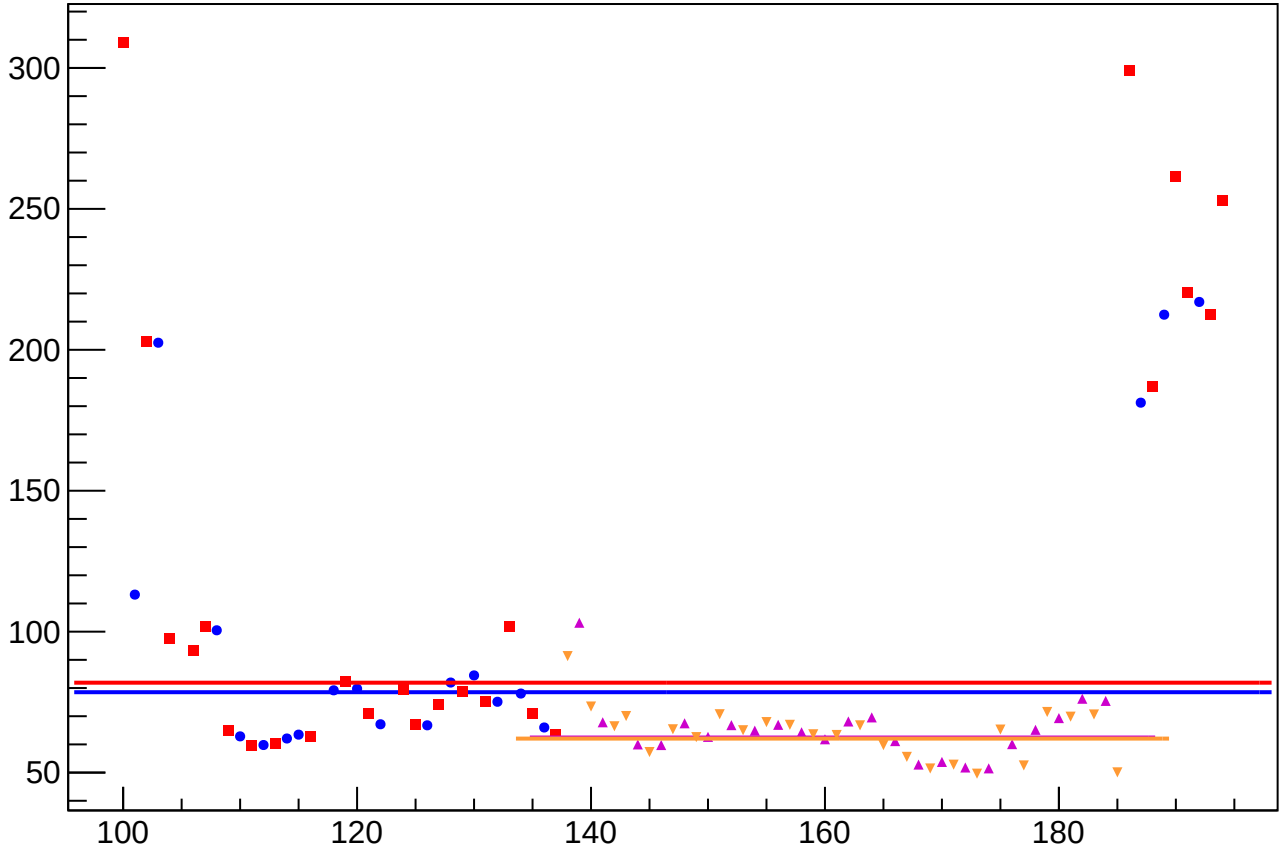
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.810+/-12.797 χ^2/NDF: 76.6/43

All: -4.479+/-9.139 χ^2/NDF: 194.7/91

- sign -68.285+/-13.057 χ^2/NDF: 71.2/47

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: 81.896+/-0.020 χ^2/NDF: 4024508.4/24

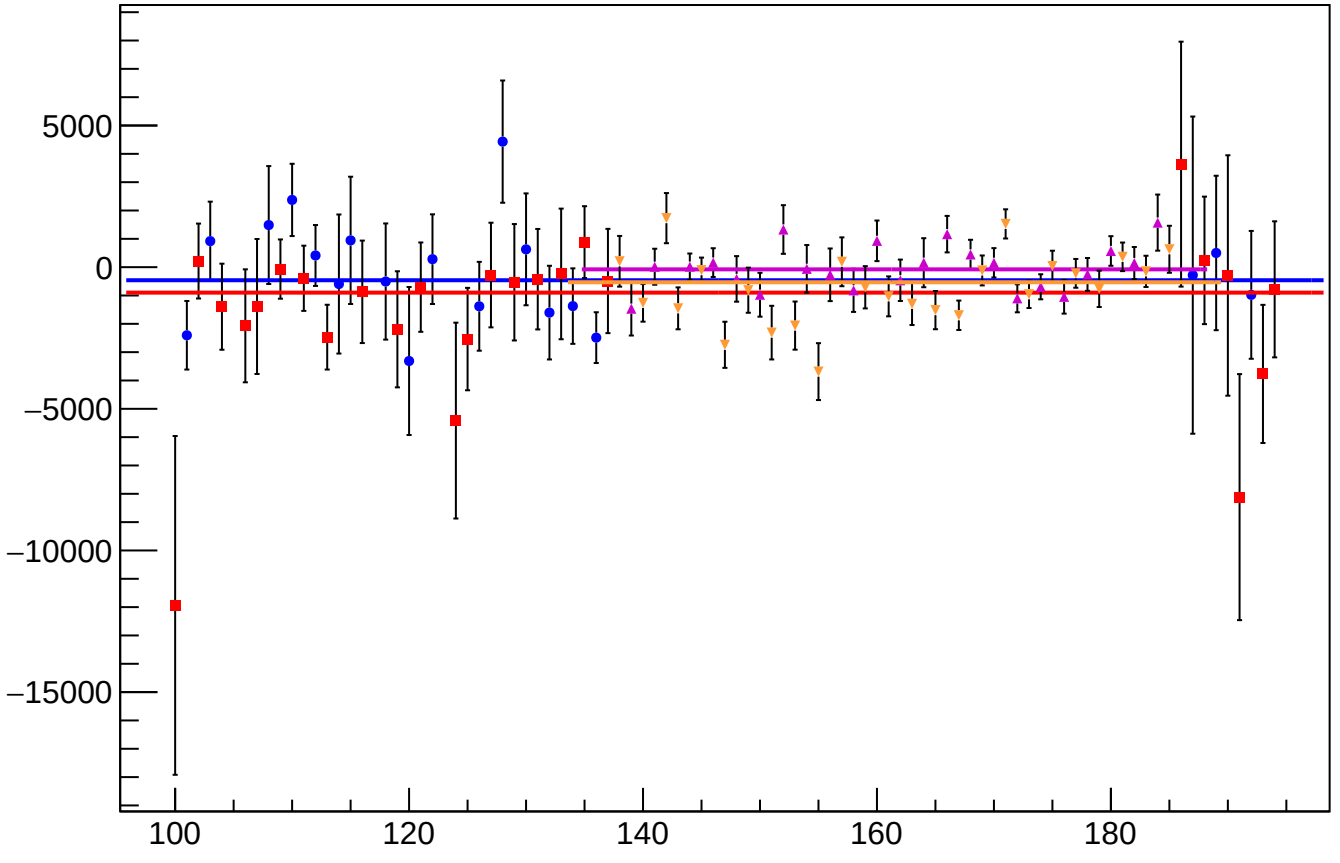
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 65.388+/-0.009 χ^2/NDF: 3408860.2/43

All: 66.070+/-0.006 χ^2/NDF: 8878425.4/91

- sign 66.781+/-0.009 χ^2/NDF: 5457955.1/47

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -461.724+/-365.815 χ^2/NDF: 23.9/18

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -898.700+/-356.115 χ^2/NDF: 18.1/24

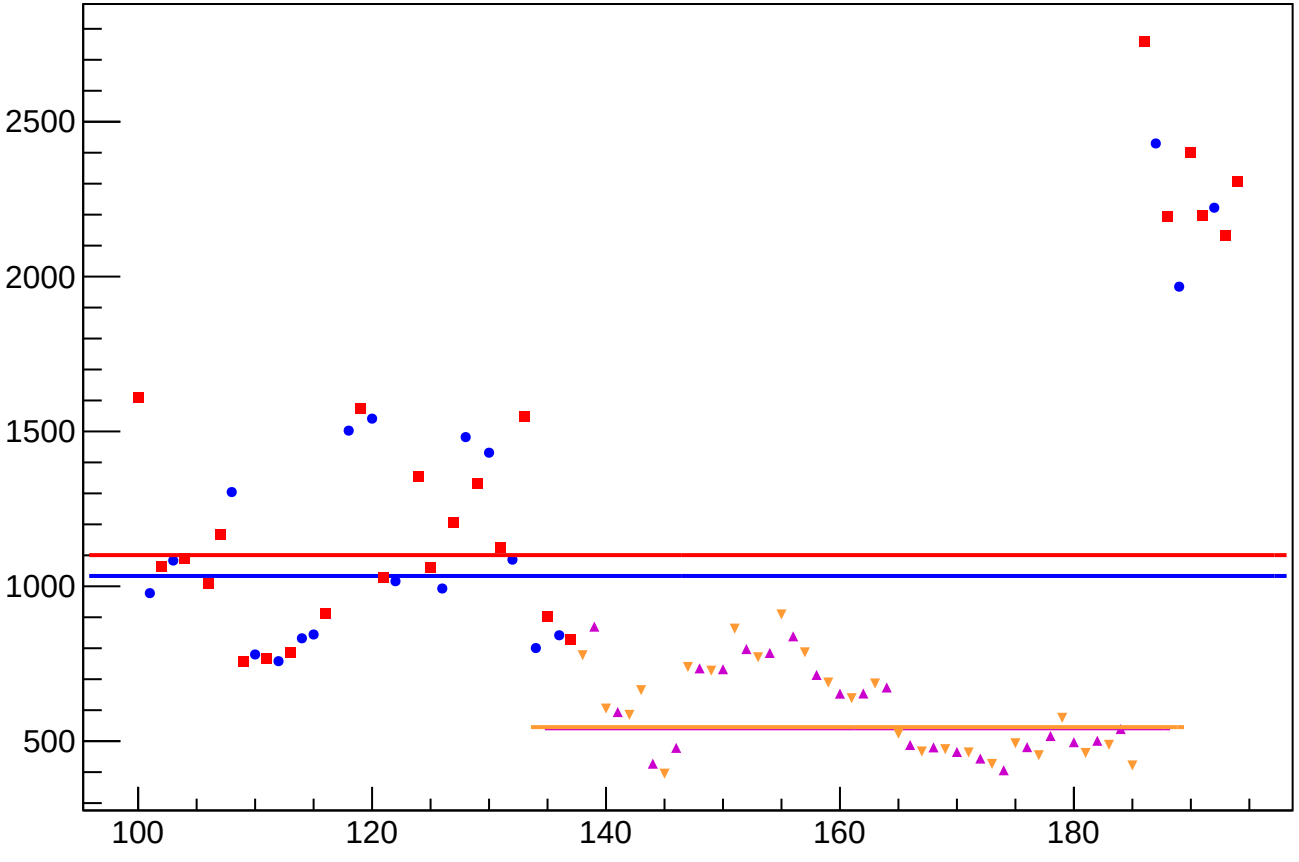
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -525.034+/-120.756 χ^2/NDF: 93.0/43

All: -352.054+/-85.956 χ^2/NDF: 148.3/91

- sign -174.387+/-122.381 χ^2/NDF: 51.2/47

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: 1100.666+/-0.252 χ^2/NDF: 2844176.8/24

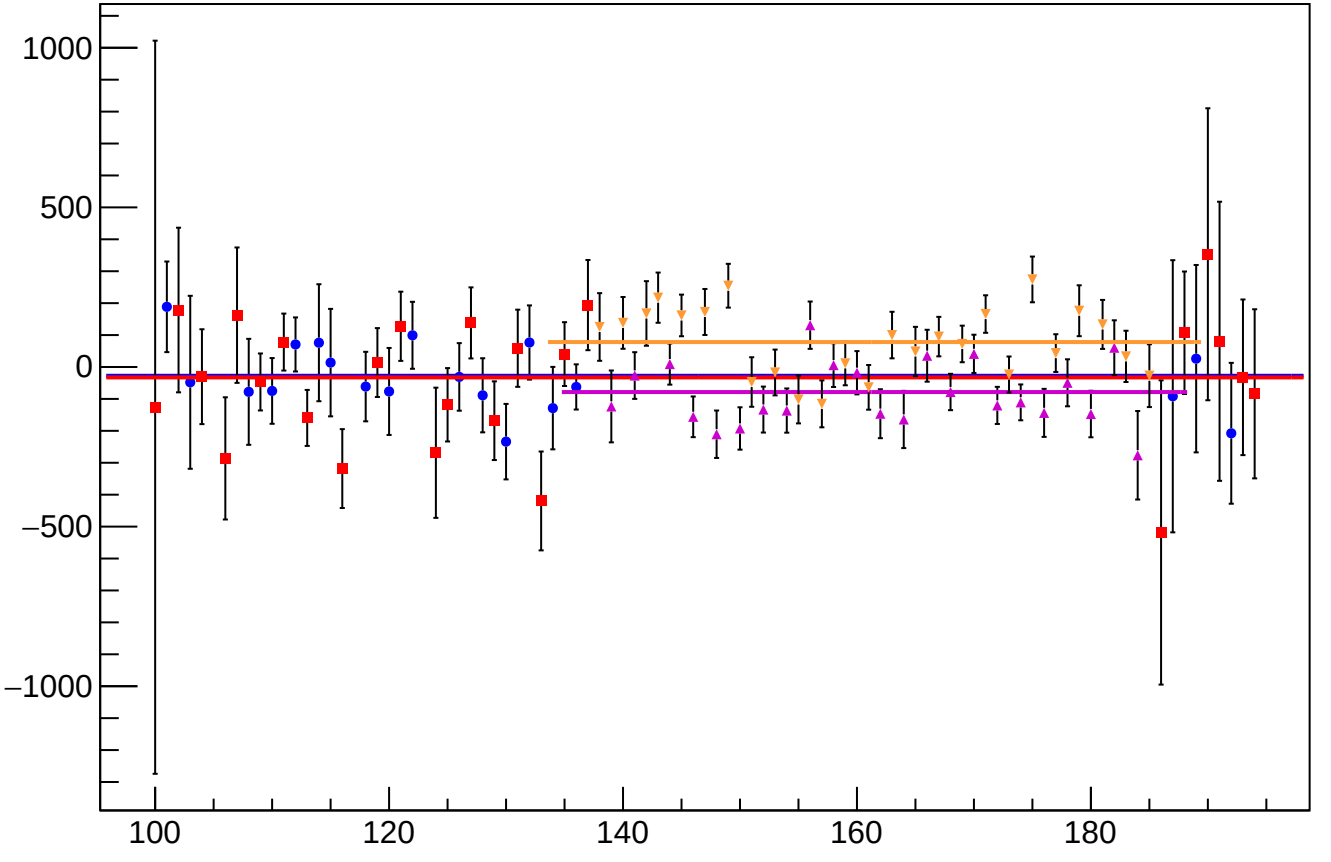
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 598.487+/-0.085 χ^2/NDF: 6952807.4/43

All: 602.933+/-0.061 χ^2/NDF: 15992087.6/91

- sign 607.499+/-0.087 χ^2/NDF: 9033784.8/47

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: -32.652+/-27.655 χ^2/NDF: 32.4/24

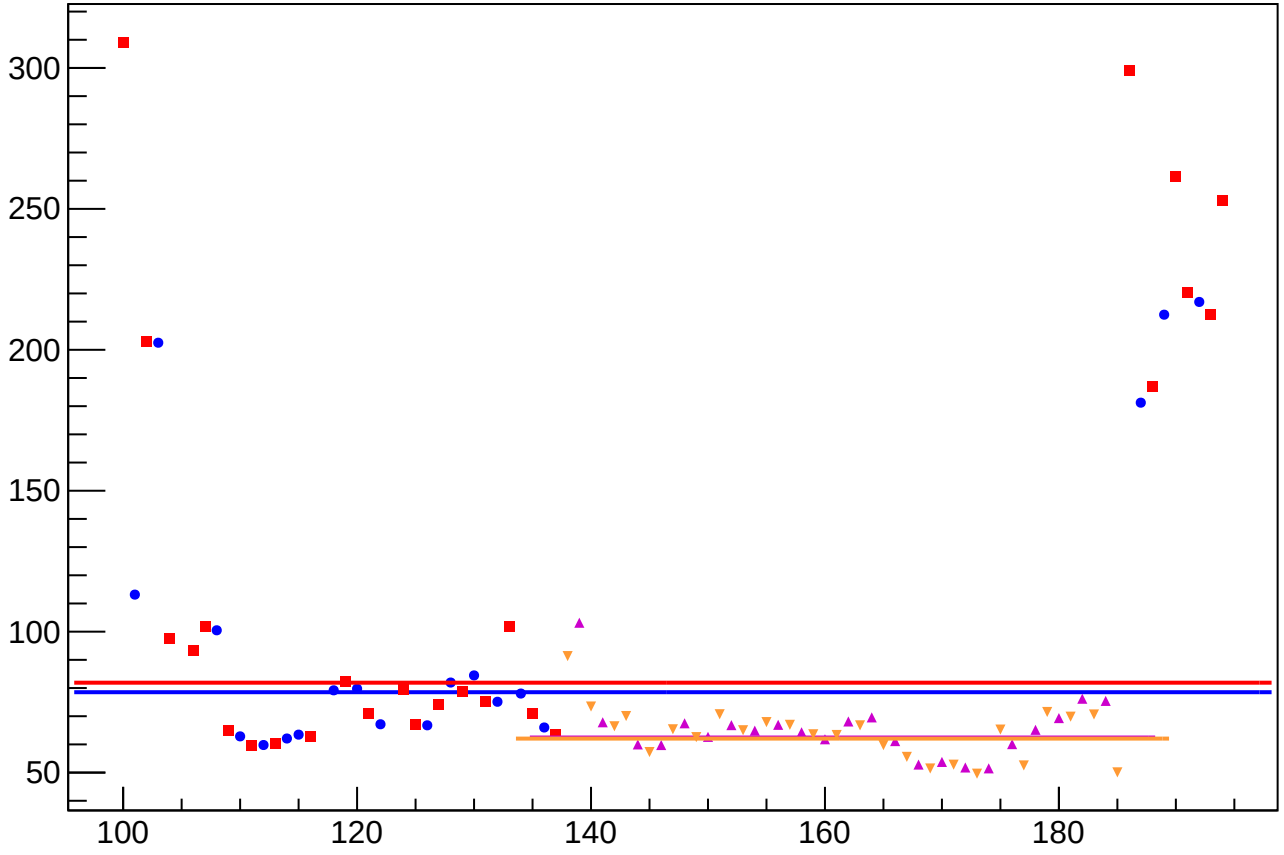
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 56.810+/-12.797 χ^2/NDF: 76.6/43

All: -4.479+/-9.139 χ^2/NDF: 194.7/91

- sign -68.285+/-13.057 χ^2/NDF: 71.2/47

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

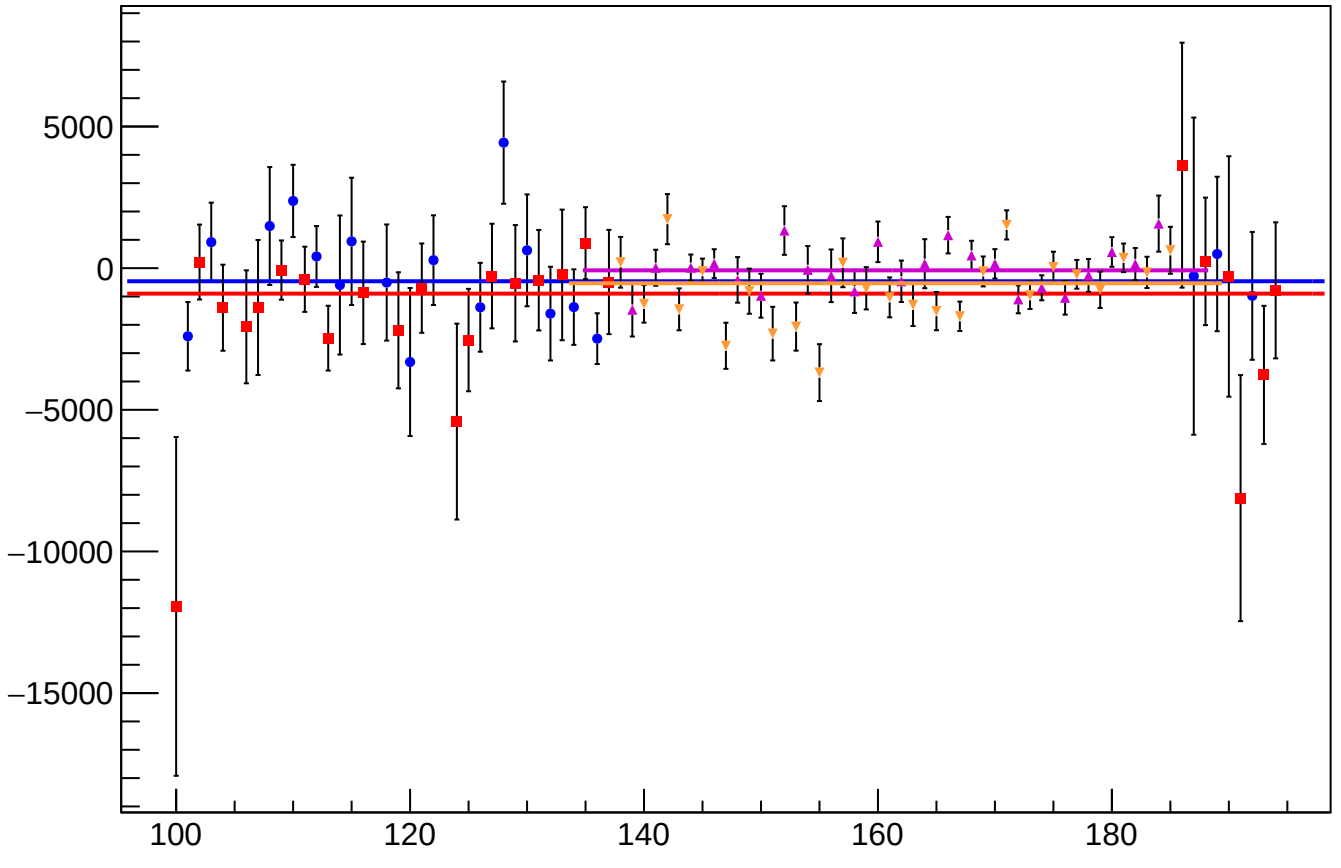
Right Out: 81.896+/-0.020 χ^2/NDF: 4024508.4/24

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 65.388+/-0.009 χ^2/NDF: 3408860.2/43

All: 66.070+/-0.006 χ^2/NDF: 8878425.4/91

- sign 66.781+/-0.009 χ^2/NDF: 5457955.1/47



Right In: -461.724+/-365.815 χ^2/NDF: 23.9/18

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

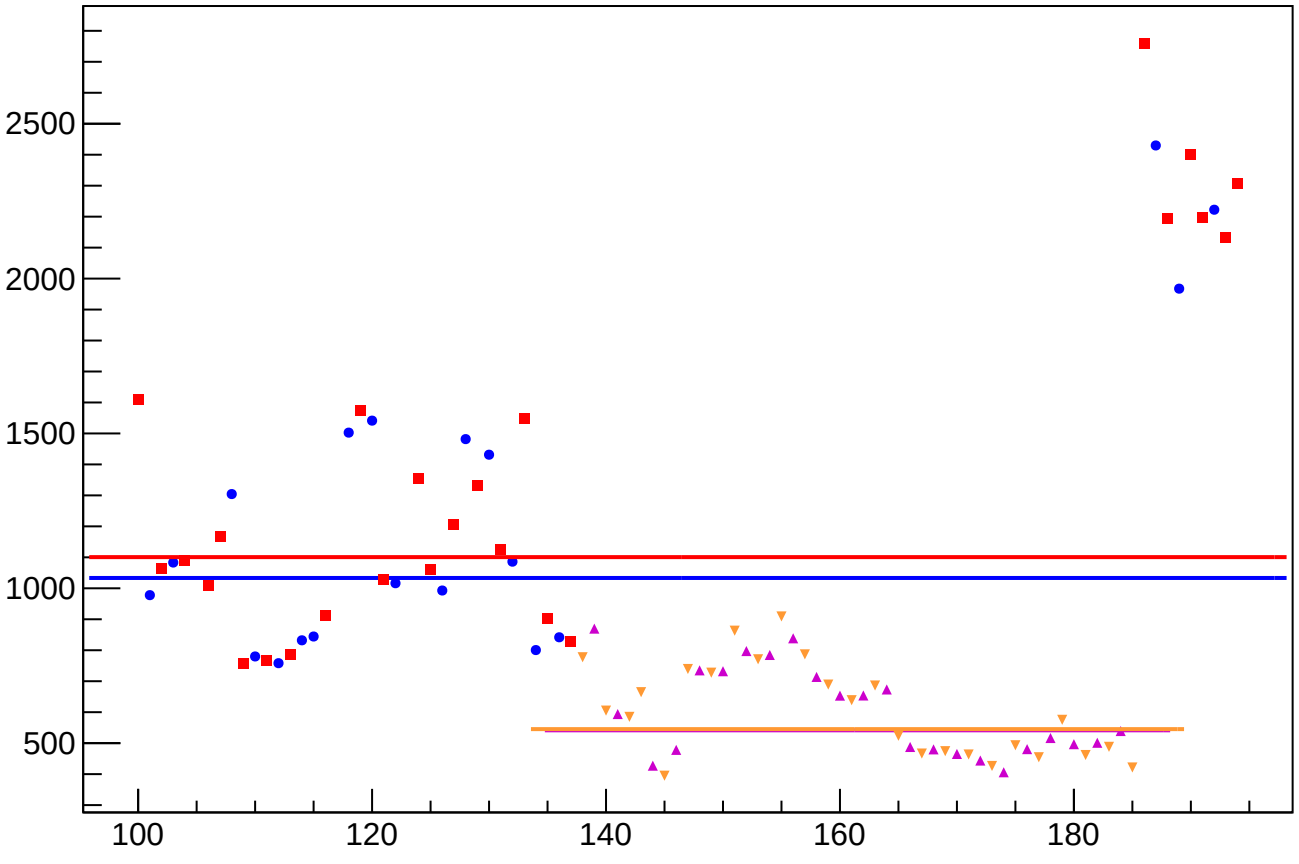
Right Out: -898.700+/-356.115 χ^2/NDF: 18.1/24

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -525.034+/-120.756 χ^2/NDF: 93.0/43

All: -352.054+/-85.956 χ^2/NDF: 148.3/91

- sign -174.387+/-122.381 χ^2/NDF: 51.2/47



Right In: 1033.372+/-0.259 χ^2/NDF: 1696920.8/18

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1100.666+/-0.252 χ^2/NDF: 2844176.8/24

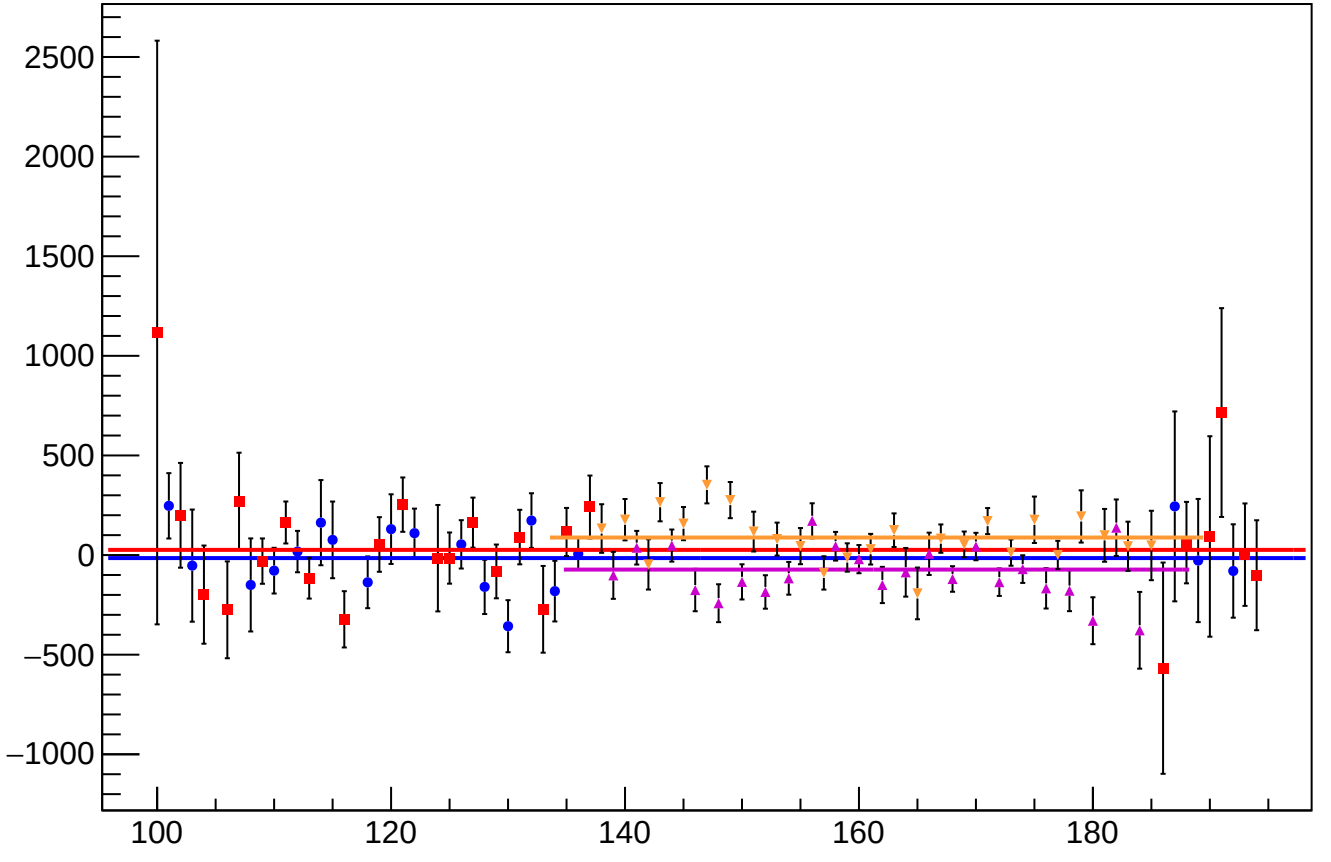
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 598.487+/-0.085 χ^2/NDF: 6952807.4/43

All: 602.933+/-0.061 χ^2/NDF: 15992087.6/91

- sign 607.499+/-0.087 χ^2/NDF: 9033784.8/47

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: 26.073+/-32.885 χ^2/NDF: 26.9/24

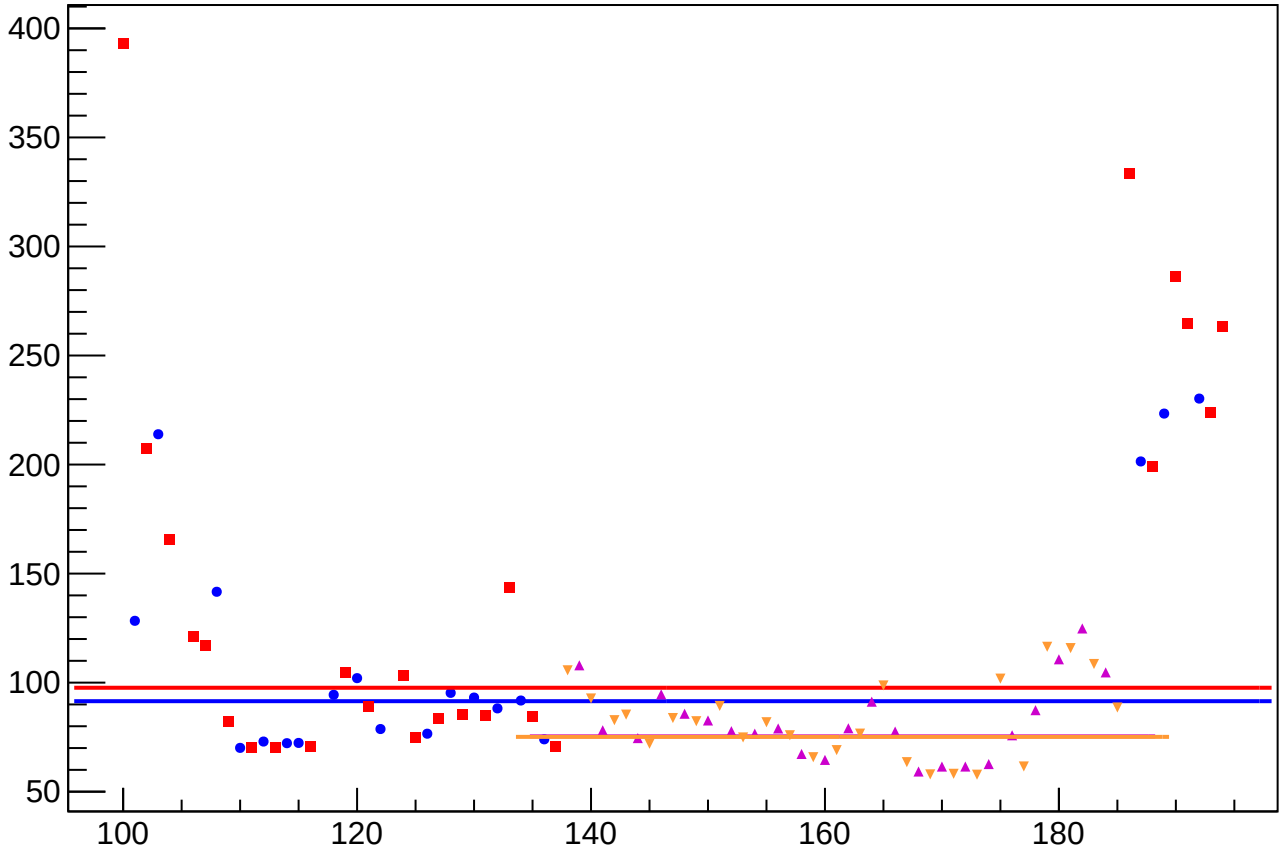
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 65.051+/-15.643 χ^2/NDF: 63.1/43

All: 8.972+/-11.177 χ^2/NDF: 161.5/91

- sign -49.506+/-15.975 χ^2/NDF: 72.2/47

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: 97.654+/-0.023 χ^2/NDF: 3877092.0/24

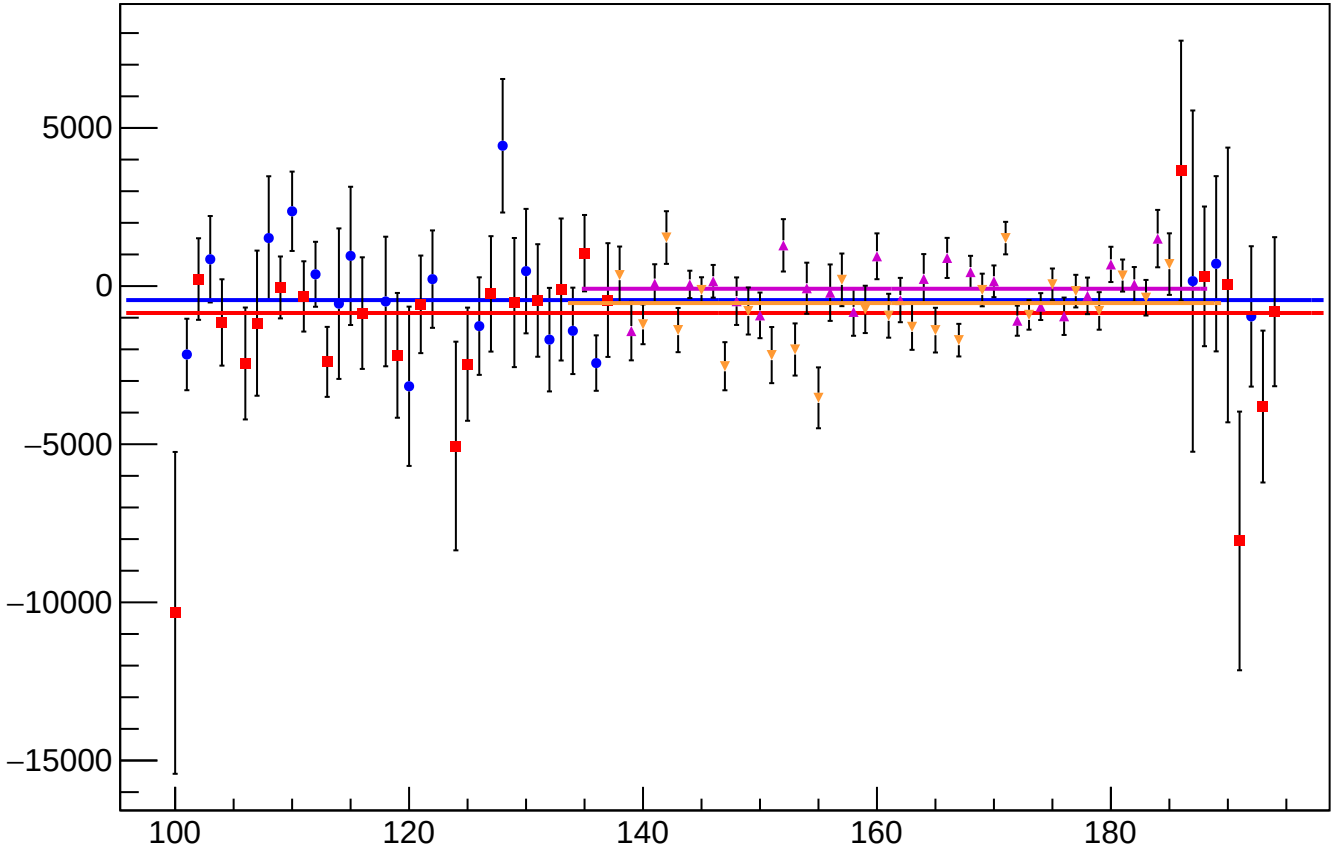
Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 78.774+/-0.011 χ^2/NDF: 4051873.7/43

All: 79.679+/-0.008 χ^2/NDF: 9870036.1/91

- sign 80.623+/-0.011 χ^2/NDF: 5804482.5/47

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -442.635+/-356.939 χ^2/NDF: 24.0/18

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -850.595+/-342.212 χ^2/NDF: 19.8/24

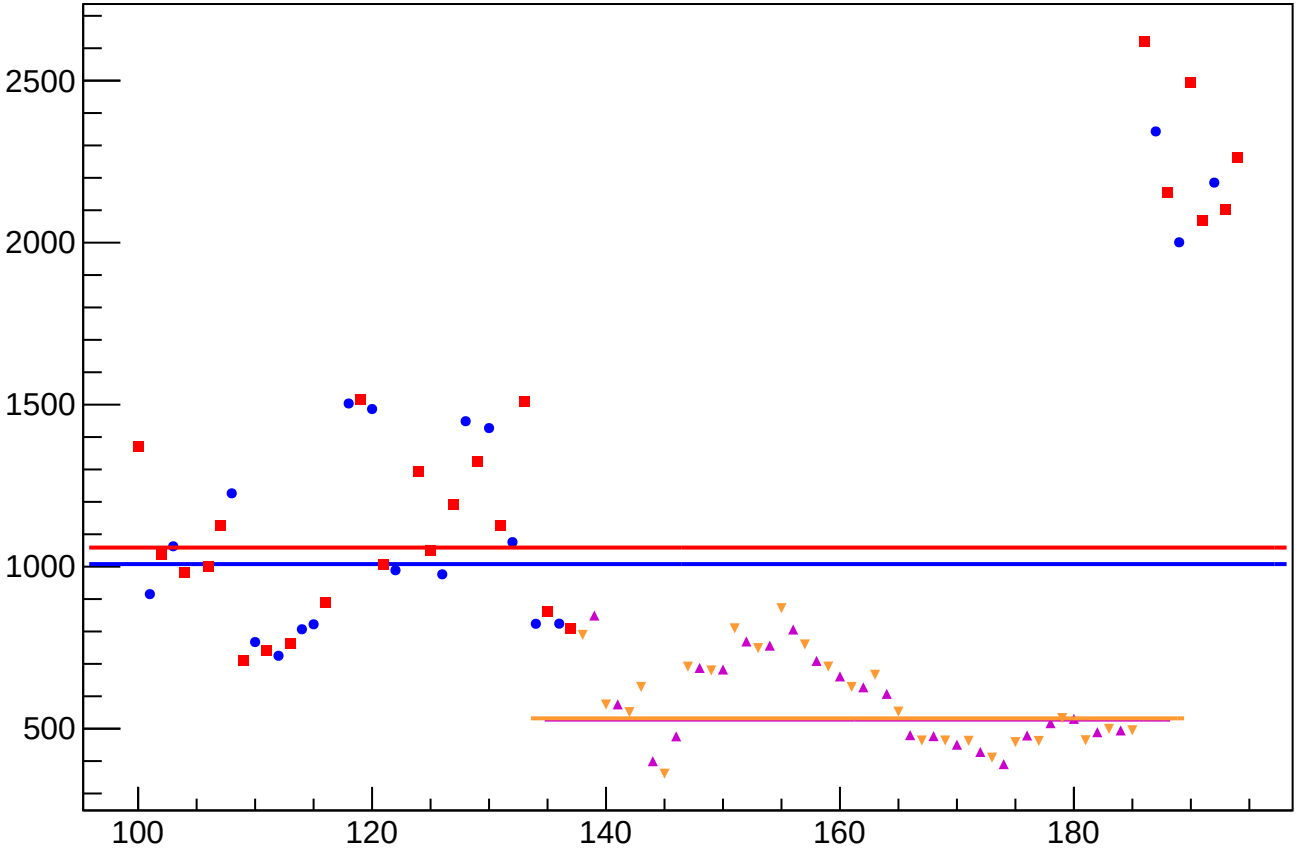
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

\+ sign -526.581+/-117.530 χ^2/NDF: 91.1/43

All: -354.322+/-83.655 χ^2/NDF: 147.1/91

\- sign -177.437+/-119.098 χ^2/NDF: 51.6/47

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: 1058.938+/-0.242 χ^2/NDF: 2958806.8/24

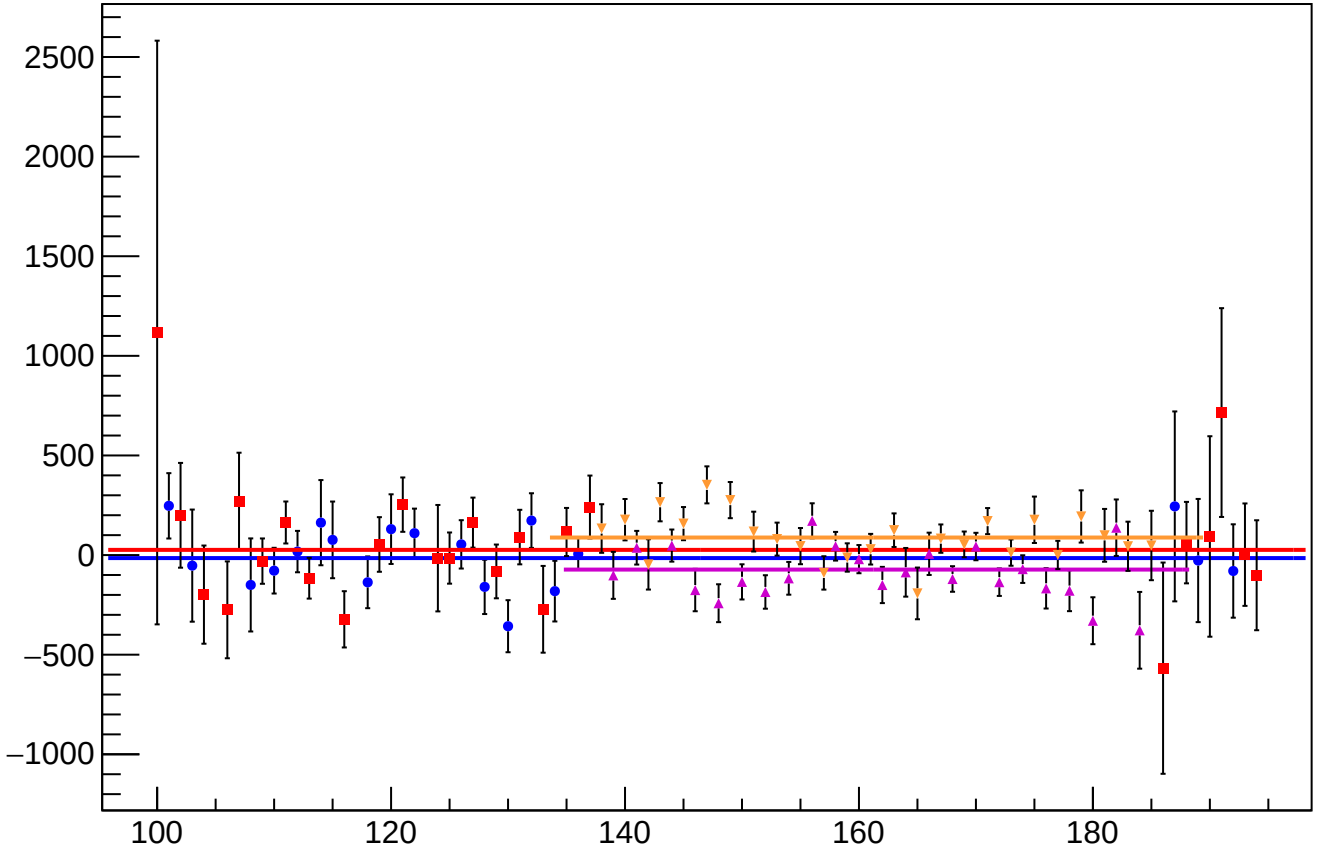
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 583.487+/-0.083 χ^2/NDF: 6944334.8/43

All: 587.833+/-0.059 χ^2/NDF: 15940510.4/91

- sign 592.295+/-0.084 χ^2/NDF: 8990634.1/47

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: 26.075+/-32.885 χ^2/NDF: 26.9/24

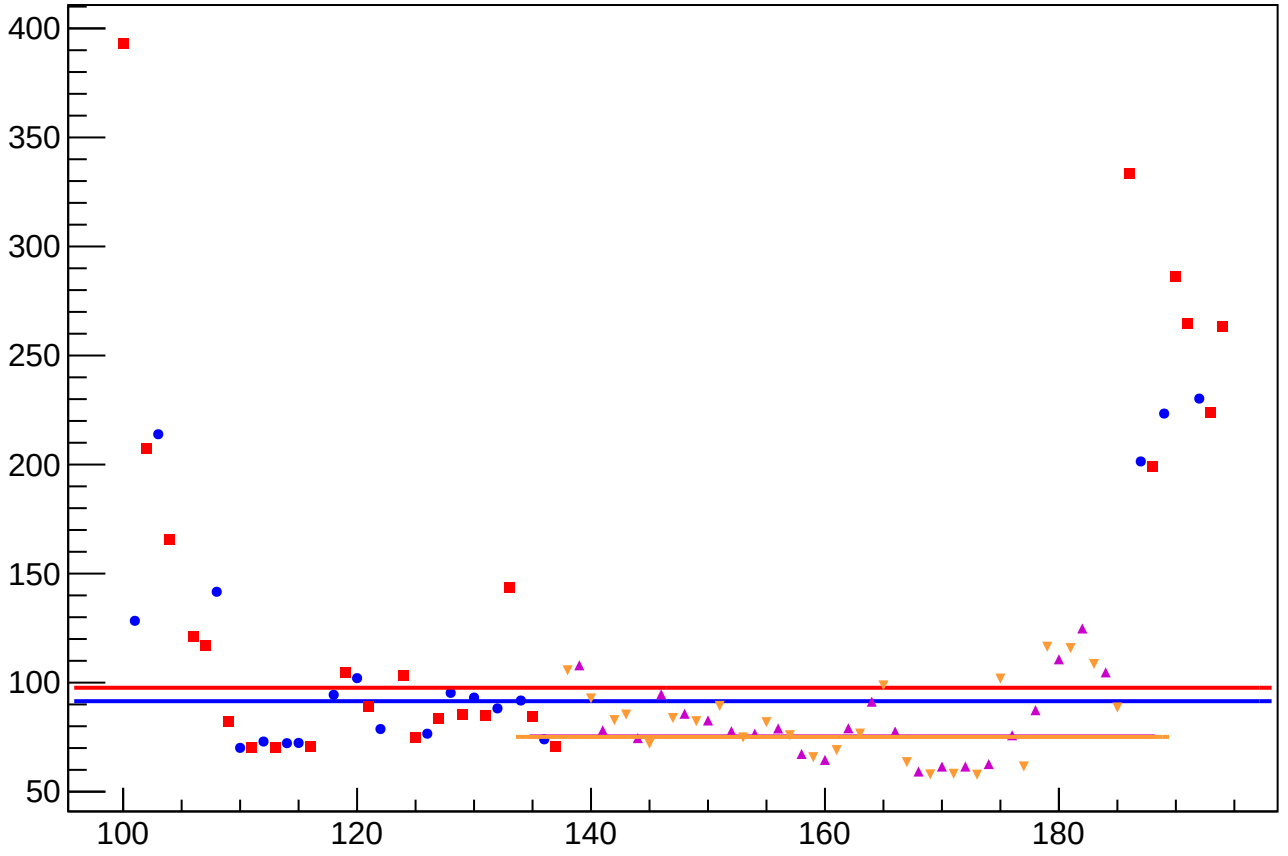
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 65.052+/-15.643 χ^2/NDF: 63.1/43

All: 8.973+/-11.177 χ^2/NDF: 161.5/91

- sign -49.505+/-15.975 χ^2/NDF: 72.2/47

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: 97.654+/-0.023 χ^2/NDF: 3877080.8/24

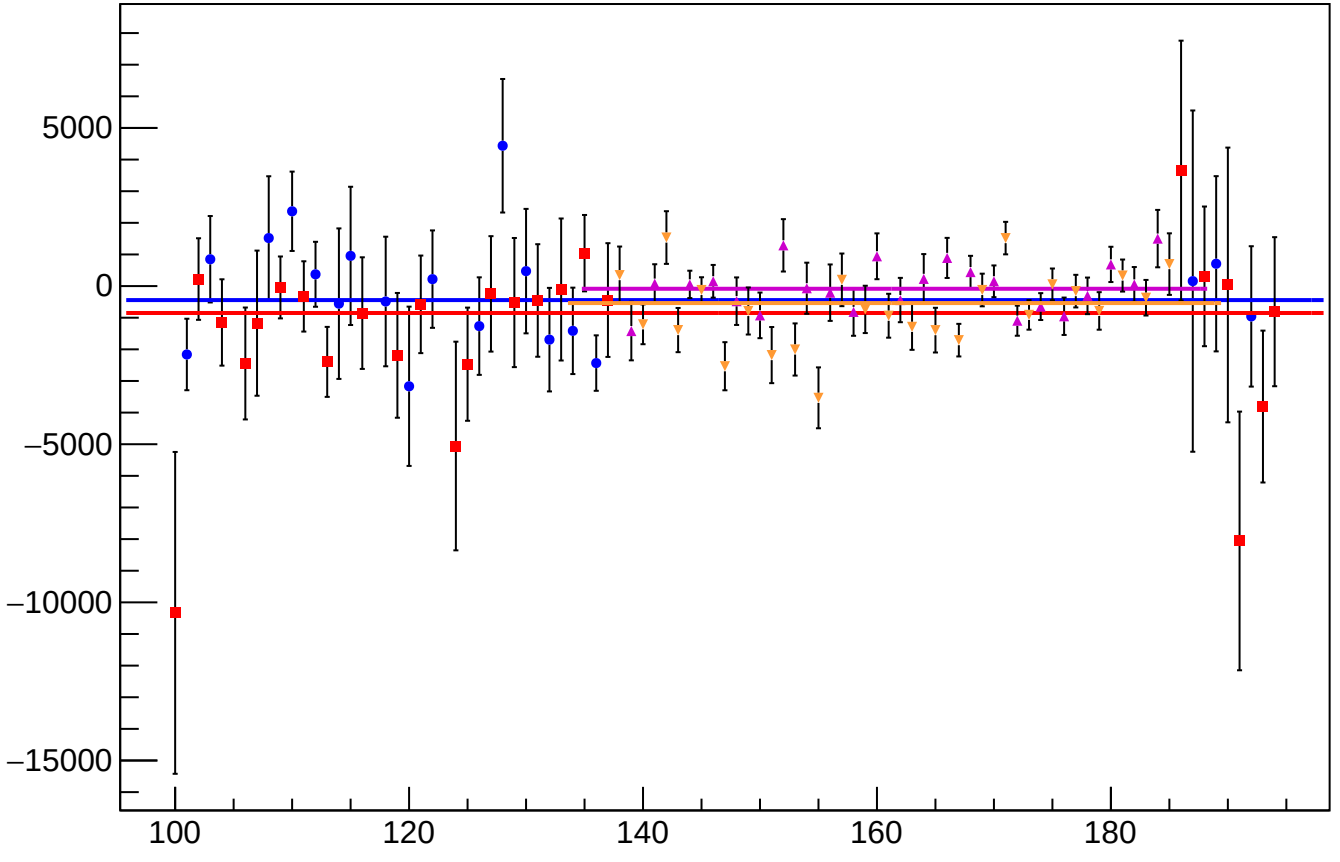
Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 78.774+/-0.011 χ^2/NDF: 4051866.6/43

All: 79.679+/-0.008 χ^2/NDF: 9870030.8/91

- sign 80.623+/-0.011 χ^2/NDF: 5804484.4/47

asym_sam_37_avg_eigen_dit_correction_mean vs Slug



Right In: -442.633+/-356.938 χ^2/NDF: 24.0/18

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

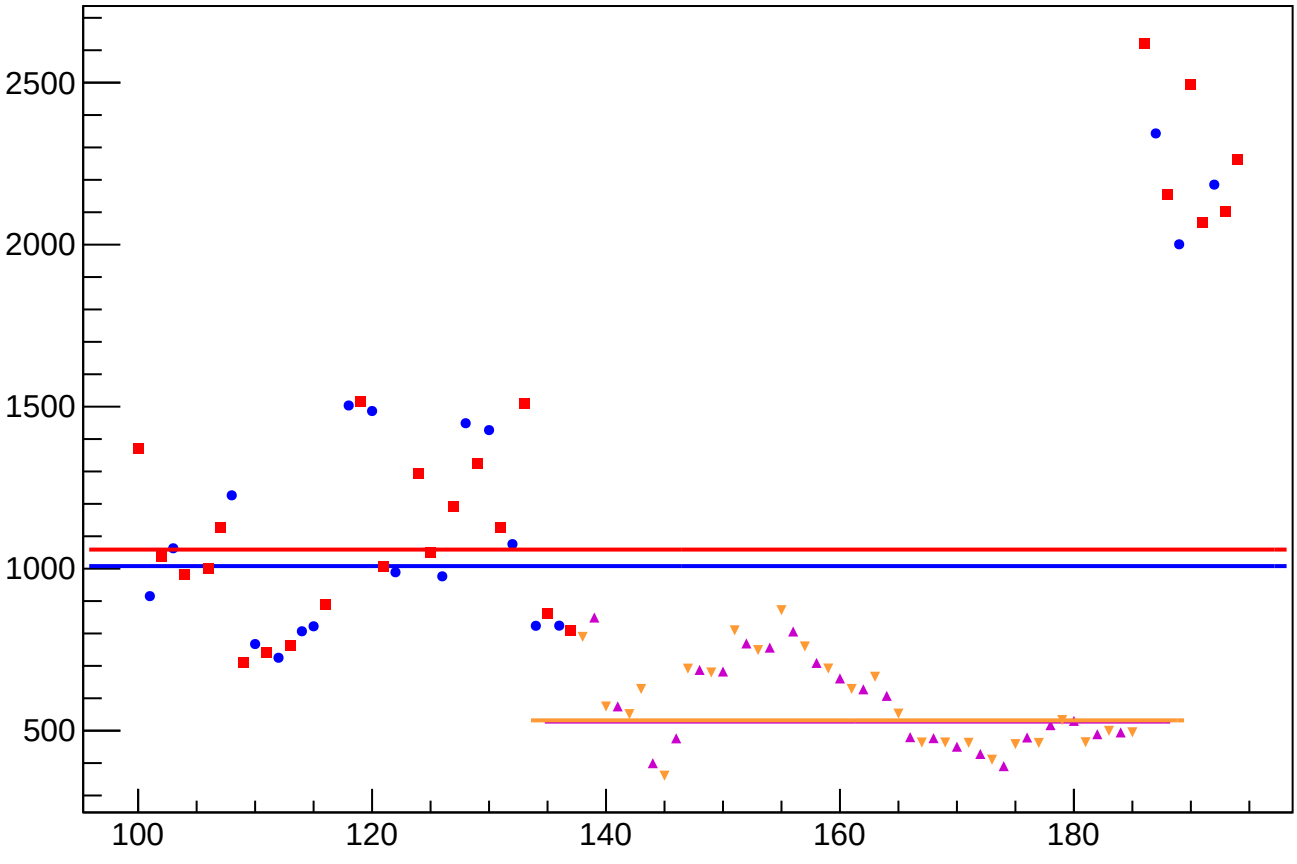
Right Out: -850.594+/-342.211 χ^2/NDF: 19.8/24

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -526.581+/-117.530 χ^2/NDF: 91.1/43

All: -354.322+/-83.655 χ^2/NDF: 147.1/91

- sign -177.437+/-119.098 χ^2/NDF: 51.6/47



Right In: 1007.931+/-0.252 χ^2/NDF: 1734629.9/18

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1058.936+/-0.242 χ^2/NDF: 2958809.2/24

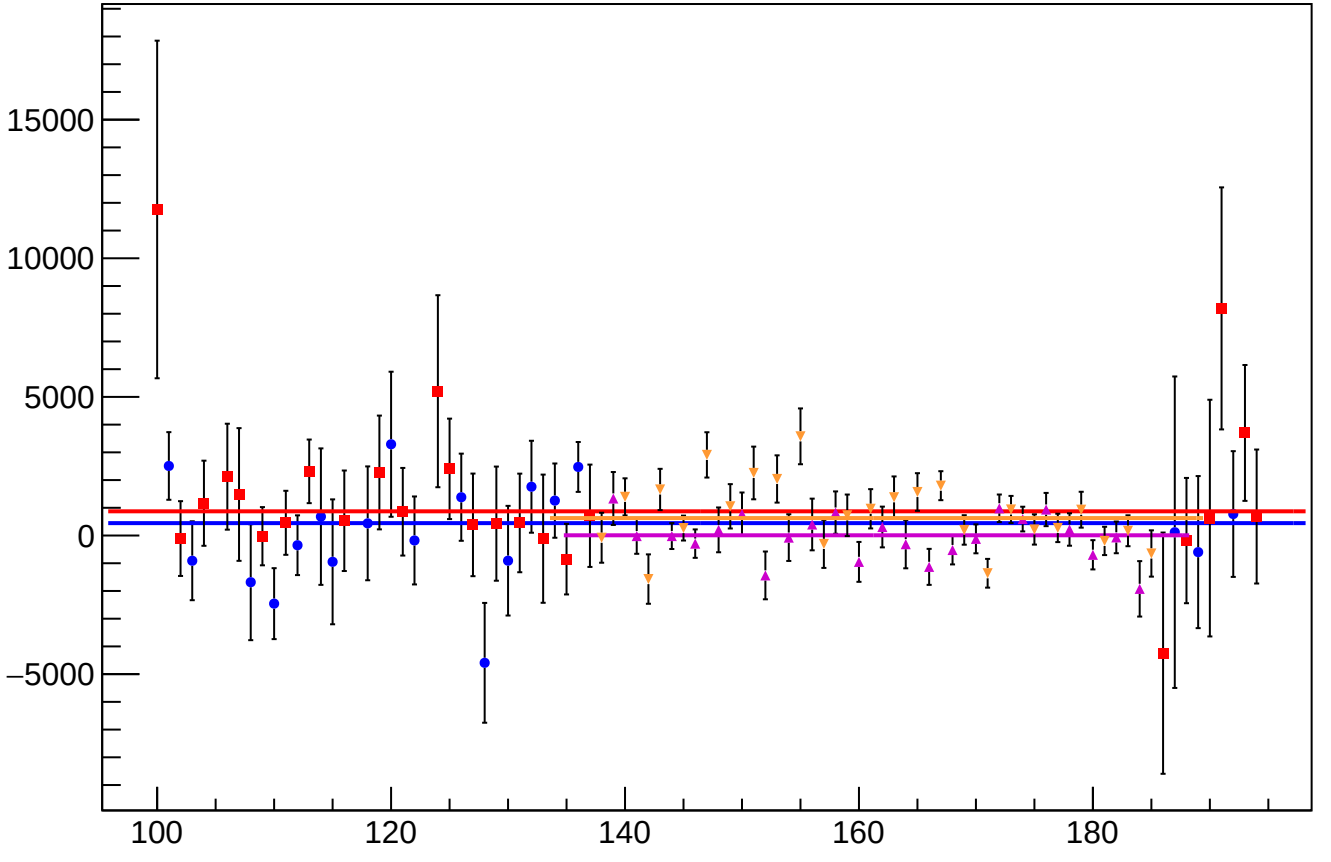
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 583.487+/-0.083 χ^2/NDF: 6944322.6/43

All: 587.832+/-0.059 χ^2/NDF: 15940480.3/91

- sign 592.294+/-0.084 χ^2/NDF: 8990616.0/47

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: 873.094+/-357.286 χ^2/NDF: 17.4/24

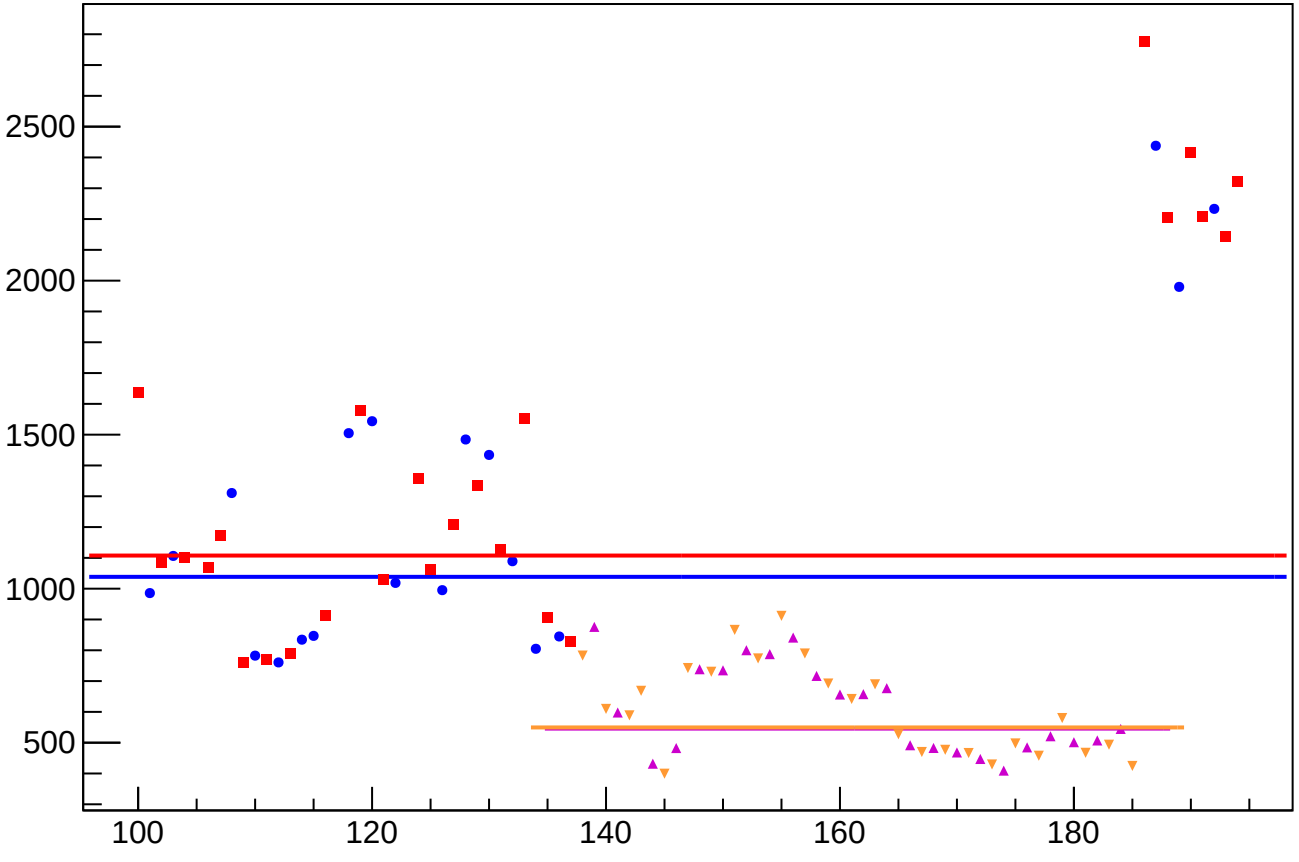
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 609.422+/-121.600 χ^2/NDF: 89.8/43

All: 363.694+/-86.556 χ^2/NDF: 148.0/91

- sign 111.322+/-123.233 χ^2/NDF: 49.9/47

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

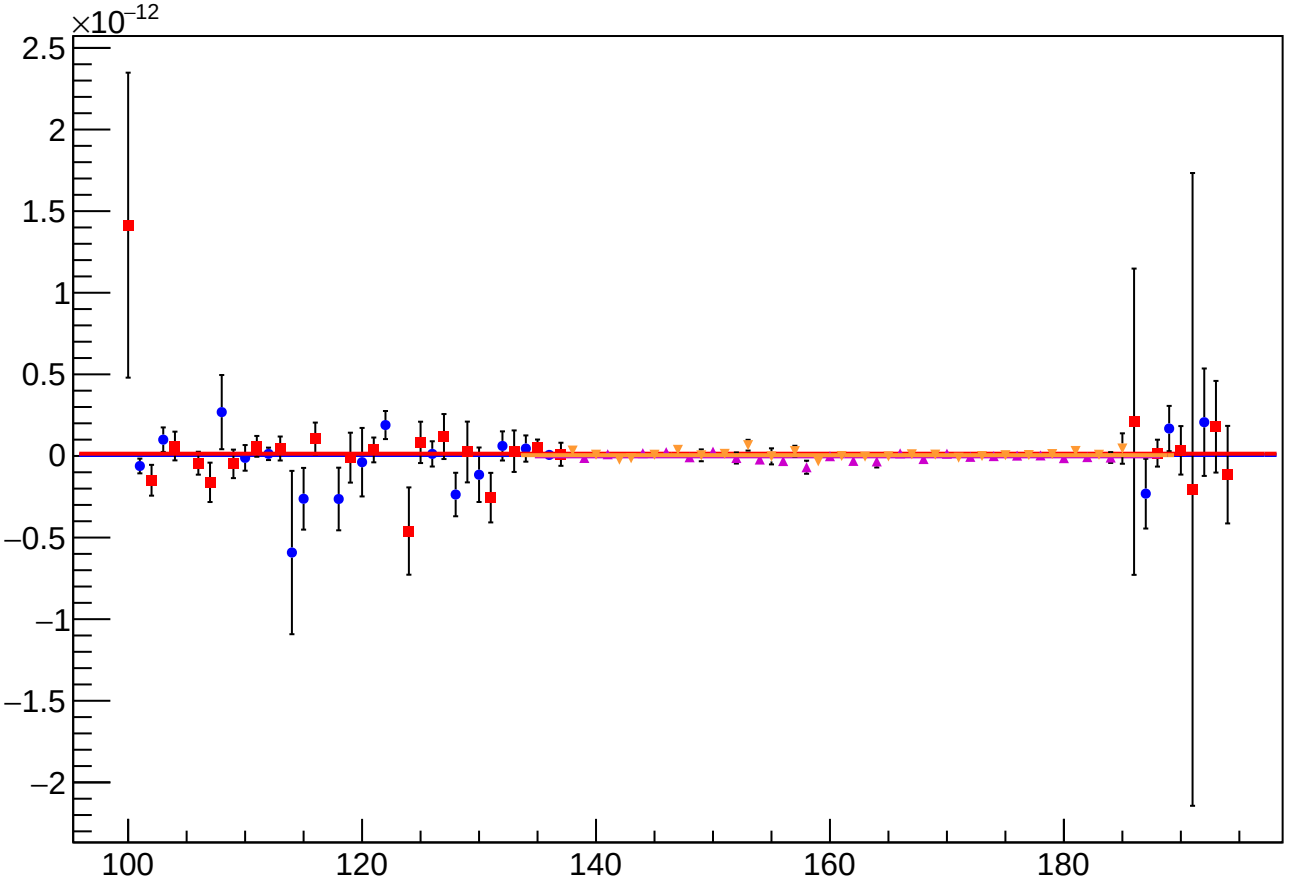
Right Out: 1107.526+/-0.253 χ^2/NDF: 2846870.4/24

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

\+ sign 602.973+/-0.086 χ^2/NDF: 6903170.9/43

All: 607.695+/-0.061 χ^2/NDF: 15927608.6/91

\- sign 612.545+/-0.087 χ^2/NDF: 9018324.2/47



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

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

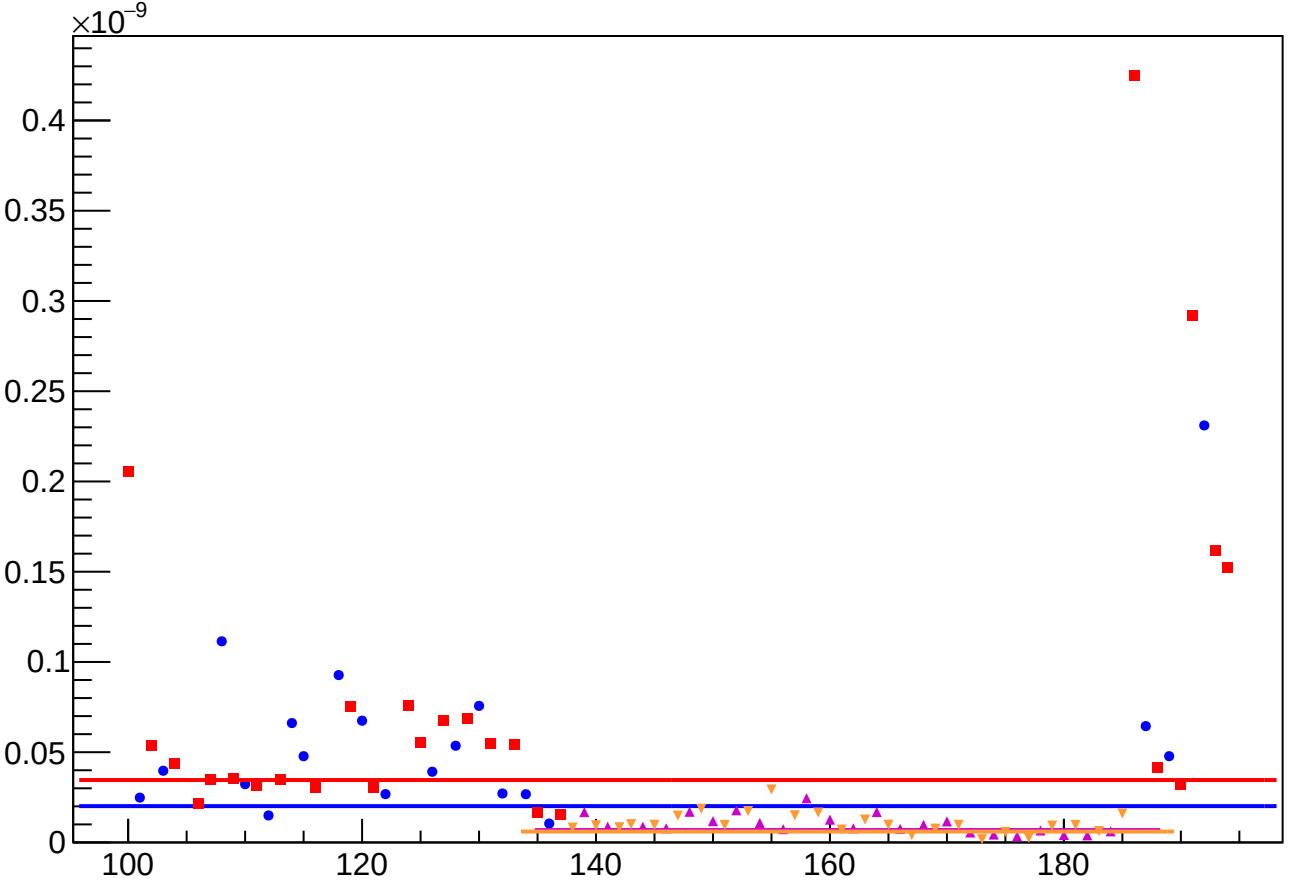
Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/24

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.3/43

All: 0.000+/-0.000 χ^2/NDF: 80.4/91

- sign -0.000+/-0.000 χ^2/NDF: 39.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 2972681.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2314414.2/24

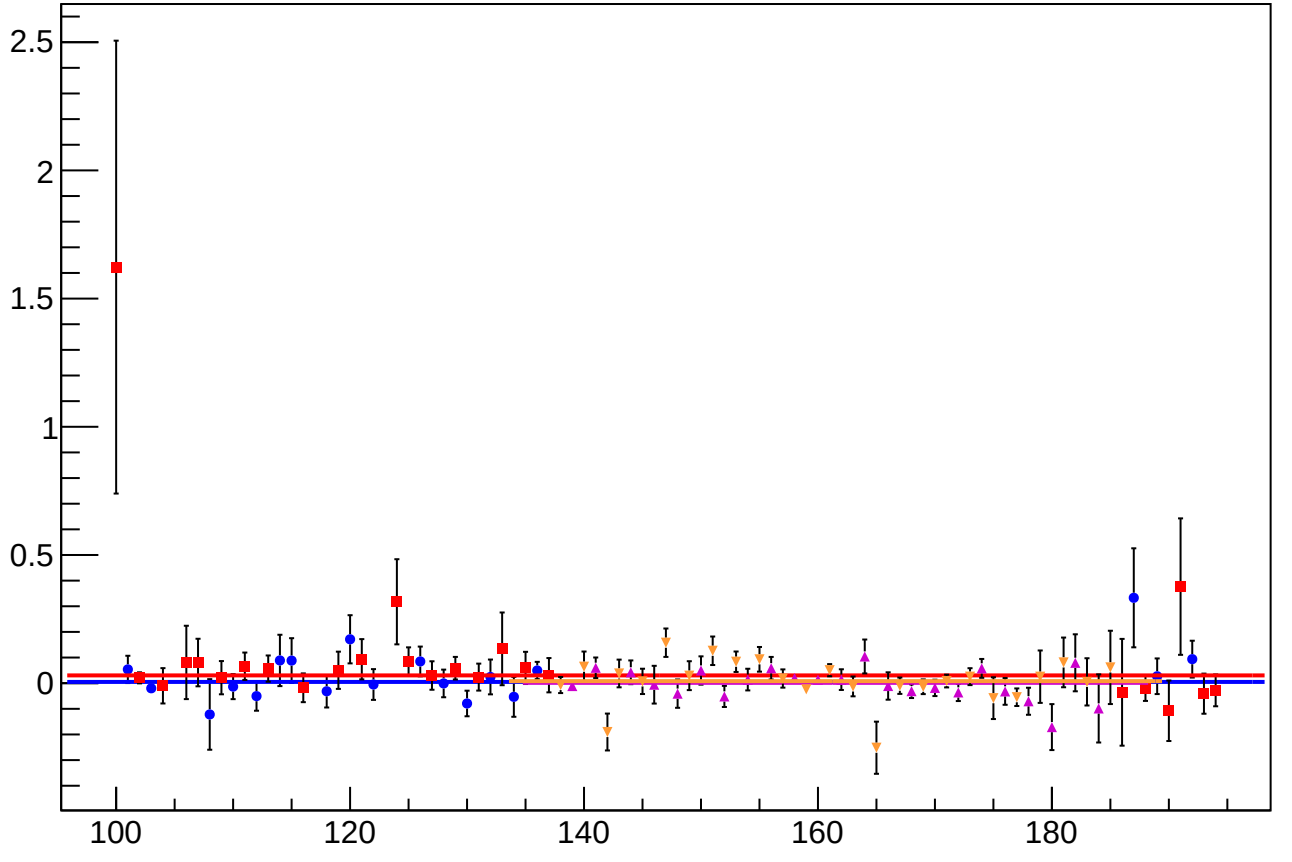
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8449061.5/43

All: 0.000+/-0.000 χ^2/NDF: 17075190.0/91

- sign 0.000+/-0.000 χ^2/NDF: 8529869.9/47

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: 0.030+/-0.012 χ^2/NDF: 17.4/24

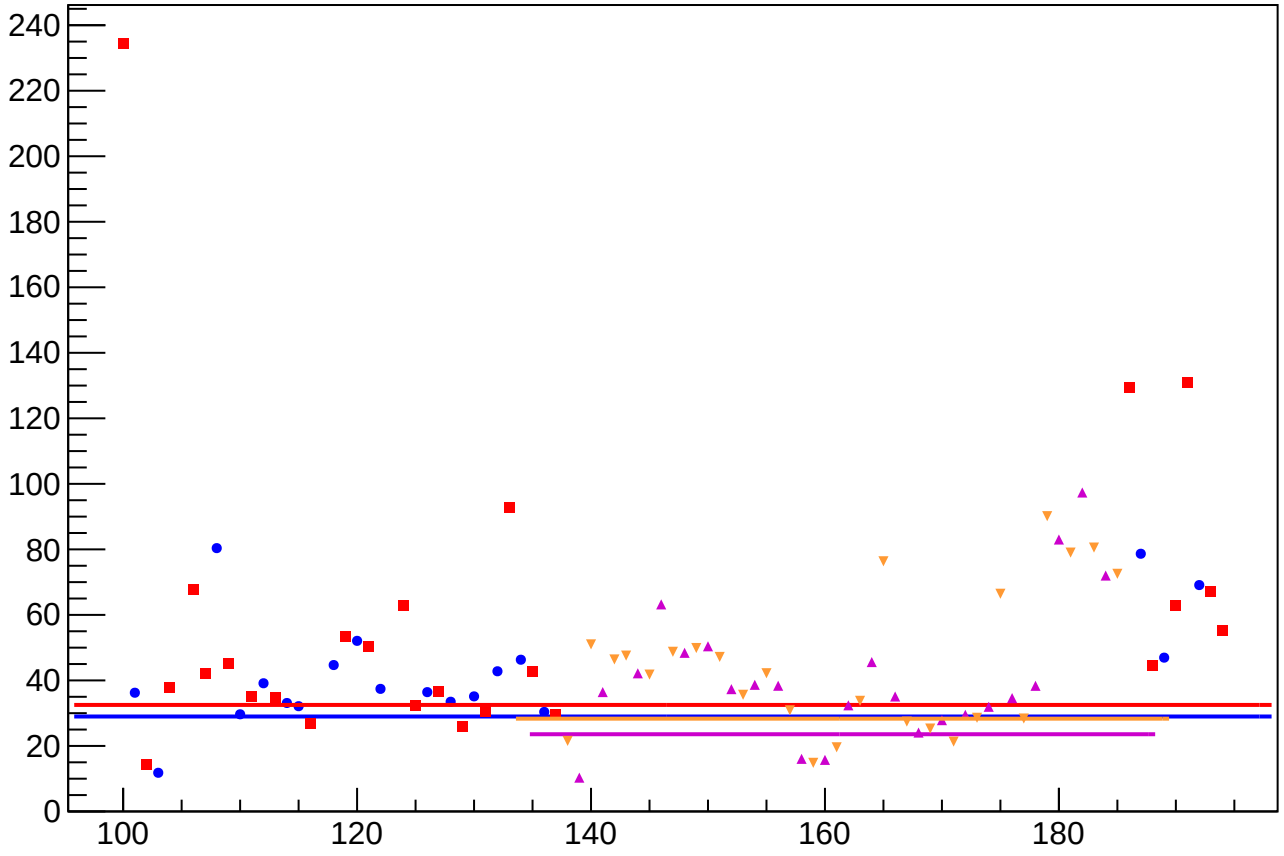
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 68.8/43

All: 0.008+/-0.004 χ^2/NDF: 115.8/91

- sign 0.009+/-0.006 χ^2/NDF: 47.0/47

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: 32.517+/-0.008 χ^2/NDF: 4227516.5/24

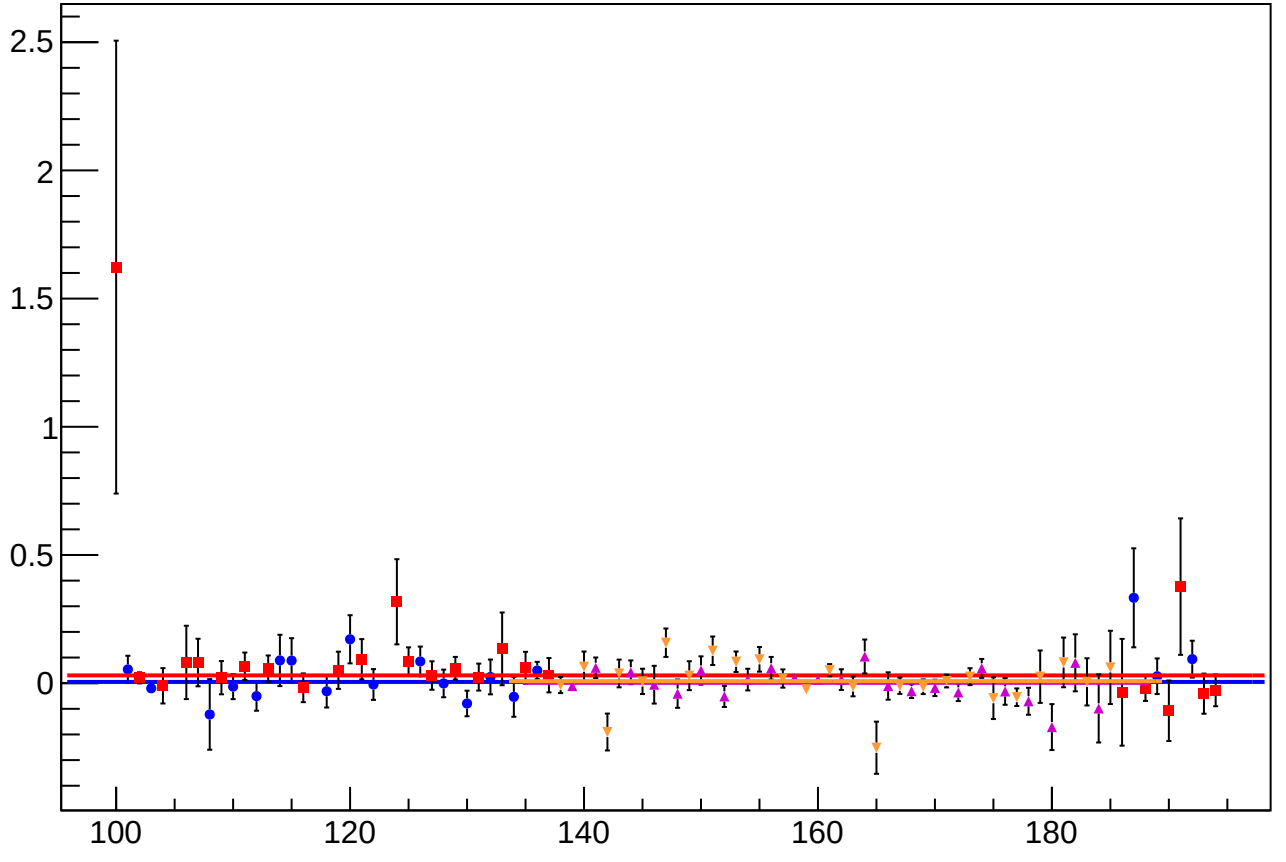
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 28.520+/-0.004 χ^2/NDF: 10145966.3/43

All: 27.062+/-0.003 χ^2/NDF: 23696445.2/91

- sign 25.808+/-0.004 χ^2/NDF: 13354626.7/47

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

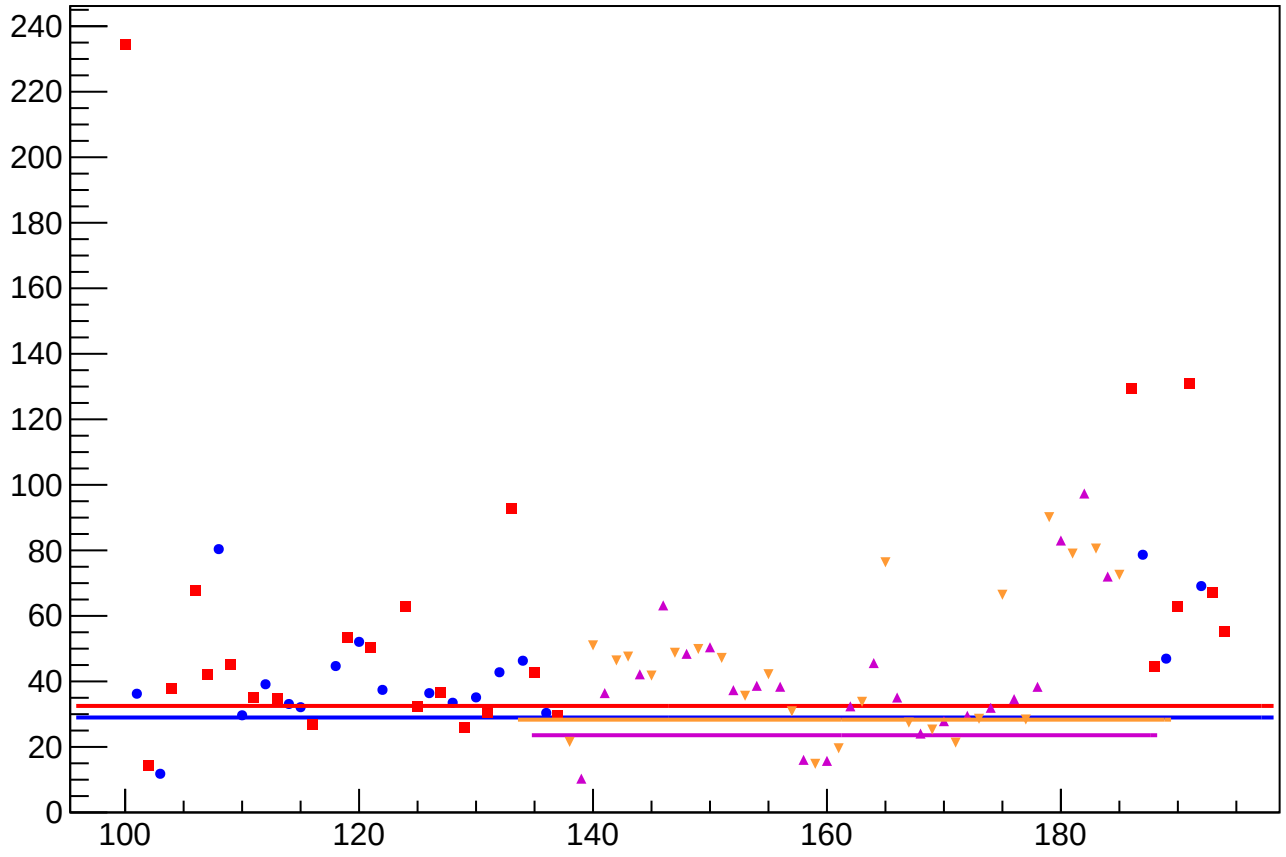
Right Out: 0.030+/-0.012 χ^2/NDF: 17.4/24

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: 115.8/91

- sign 0.009+/-0.006 χ^2/NDF: 47.0/47



Right In: 28.986+/-0.008 χ^2/NDF: 3353148.5/18

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

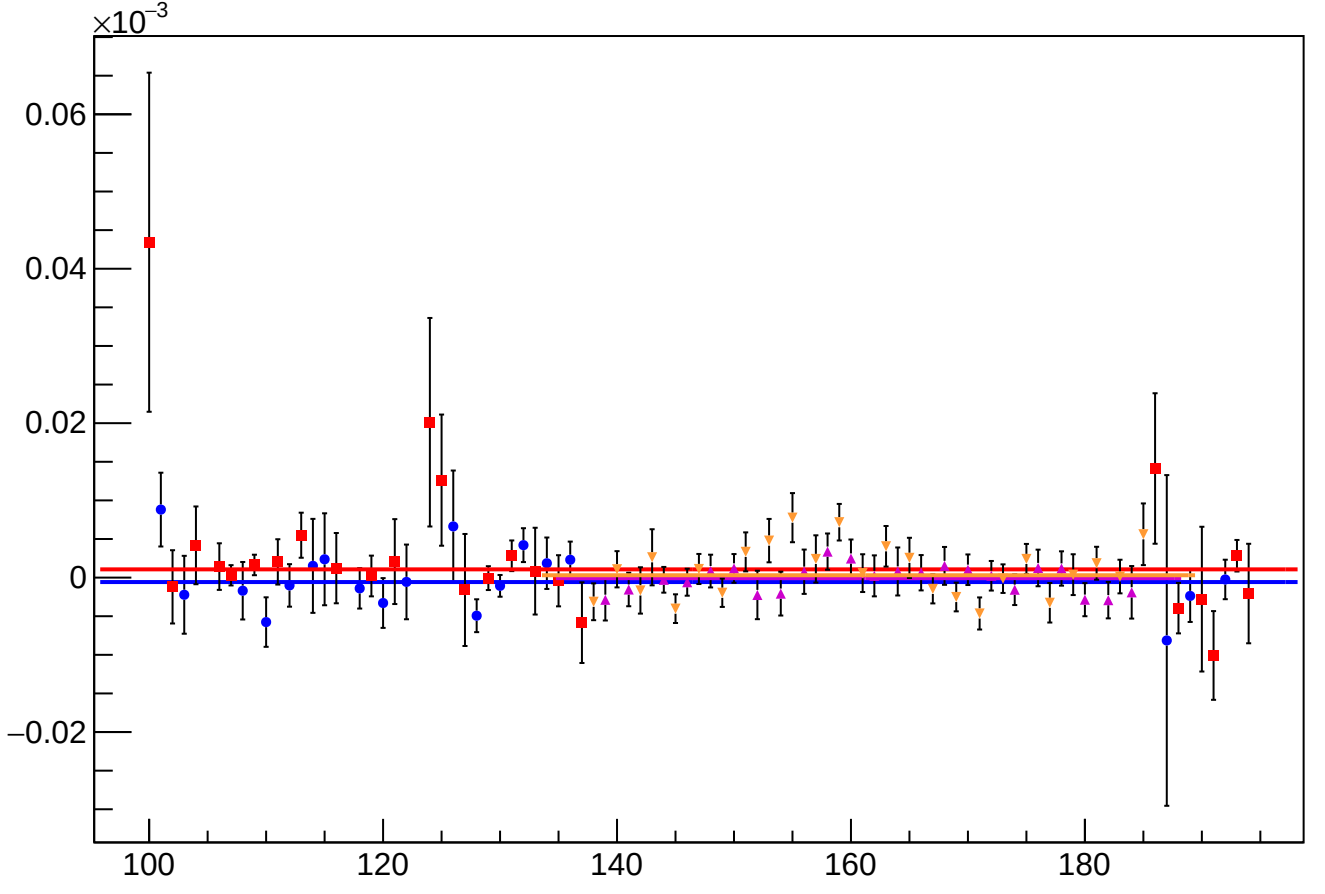
Right Out: 32.517+/-0.008 χ^2/NDF: 4227516.5/24

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 28.520+/-0.004 χ^2/NDF: 10145966.3/43

All: 27.062+/-0.003 χ^2/NDF: 23696445.2/91

- sign 25.808+/-0.004 χ^2/NDF: 13354626.7/47



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

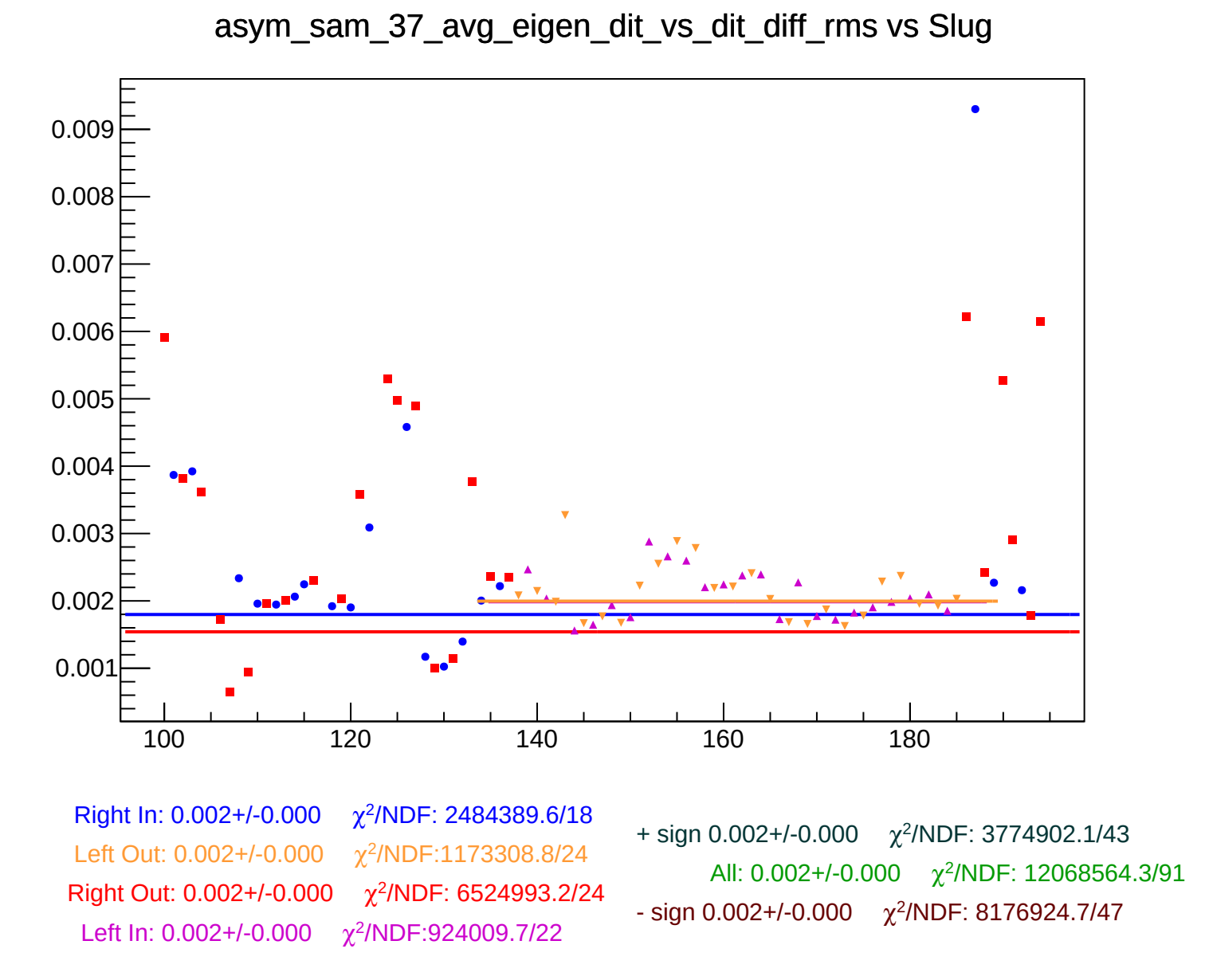
Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/24

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

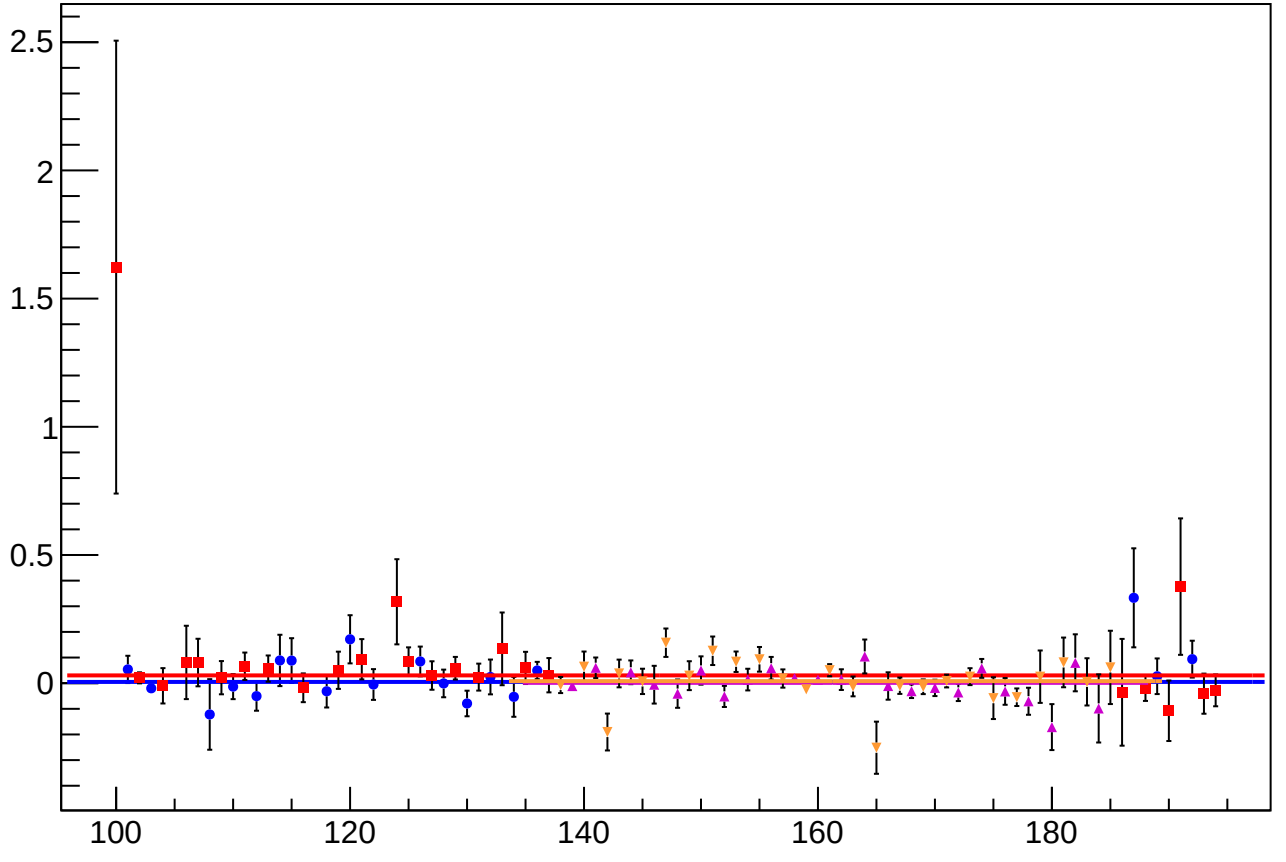
+ sign 0.000+/-0.000 χ^2/NDF: 67.2/43

All: 0.000+/-0.000 χ^2/NDF: 105.9/91

- sign 0.000+/-0.000 χ^2/NDF: 38.2/47


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: 6524993.2/24
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: 12068564.3/91
- sign 0.002+/-0.000 χ²/NDF: 8176924.7/47

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: 0.030+/-0.012 χ^2/NDF: 17.4/24

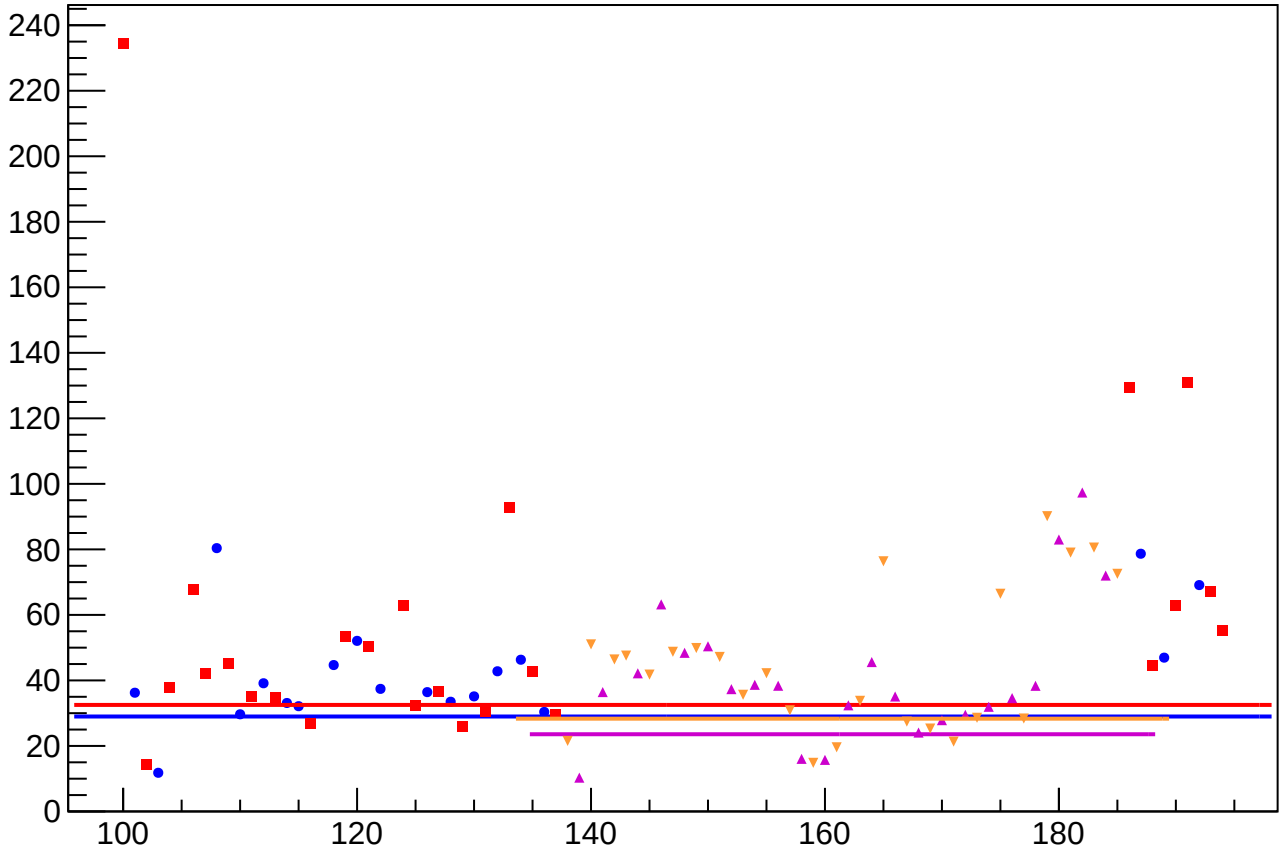
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 68.8/43

All: 0.008+/-0.004 χ^2/NDF: 115.8/91

- sign 0.009+/-0.006 χ^2/NDF: 47.0/47

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

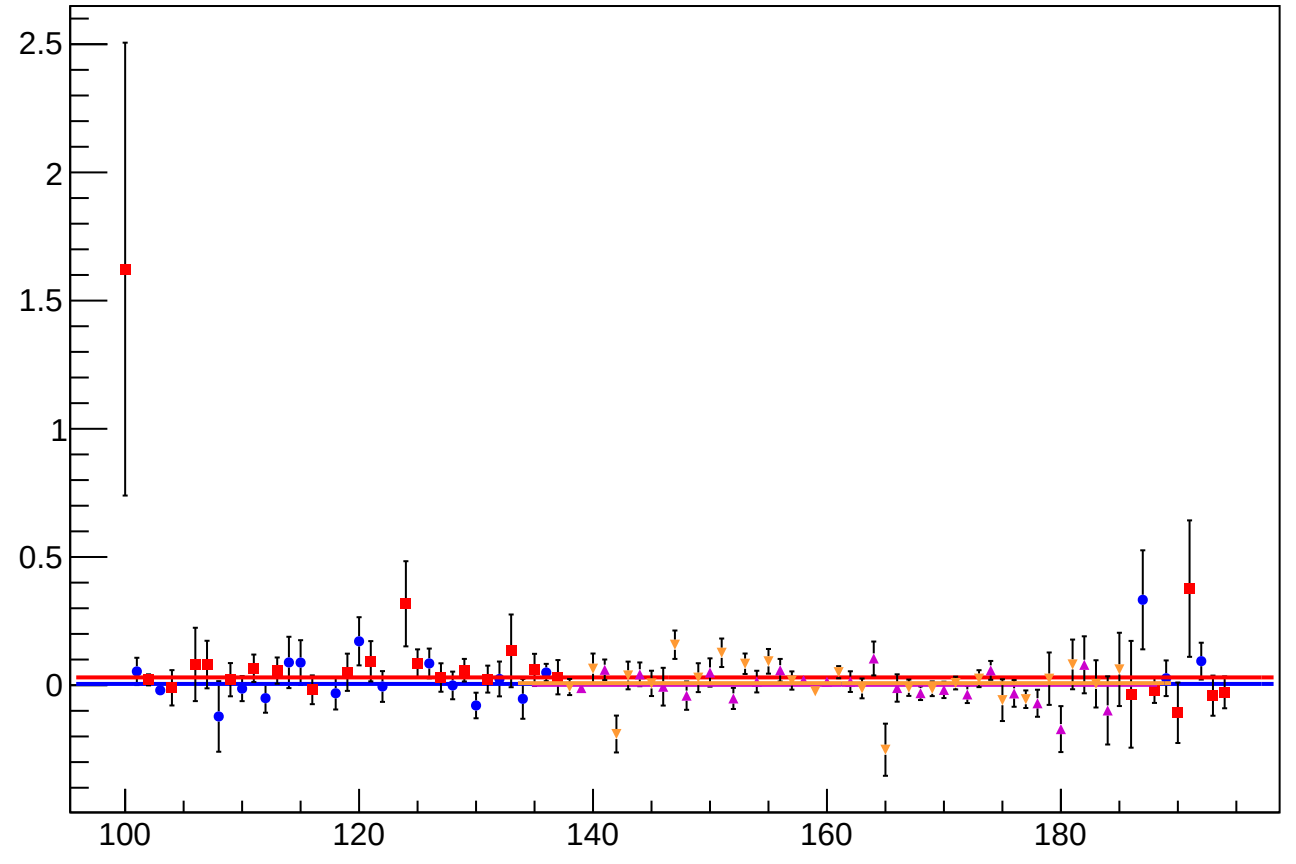
Right Out: 32.519+/-0.008 χ^2/NDF: 4226649.8/24

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.520+/-0.004 χ^2/NDF: 10146801.8/43

All: 27.062+/-0.003 χ^2/NDF: 23698157.1/91

- sign 25.807+/-0.004 χ^2/NDF: 13355503.6/47



Right In: 0.005+/-0.012 χ^2/NDF: 21.1/18

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

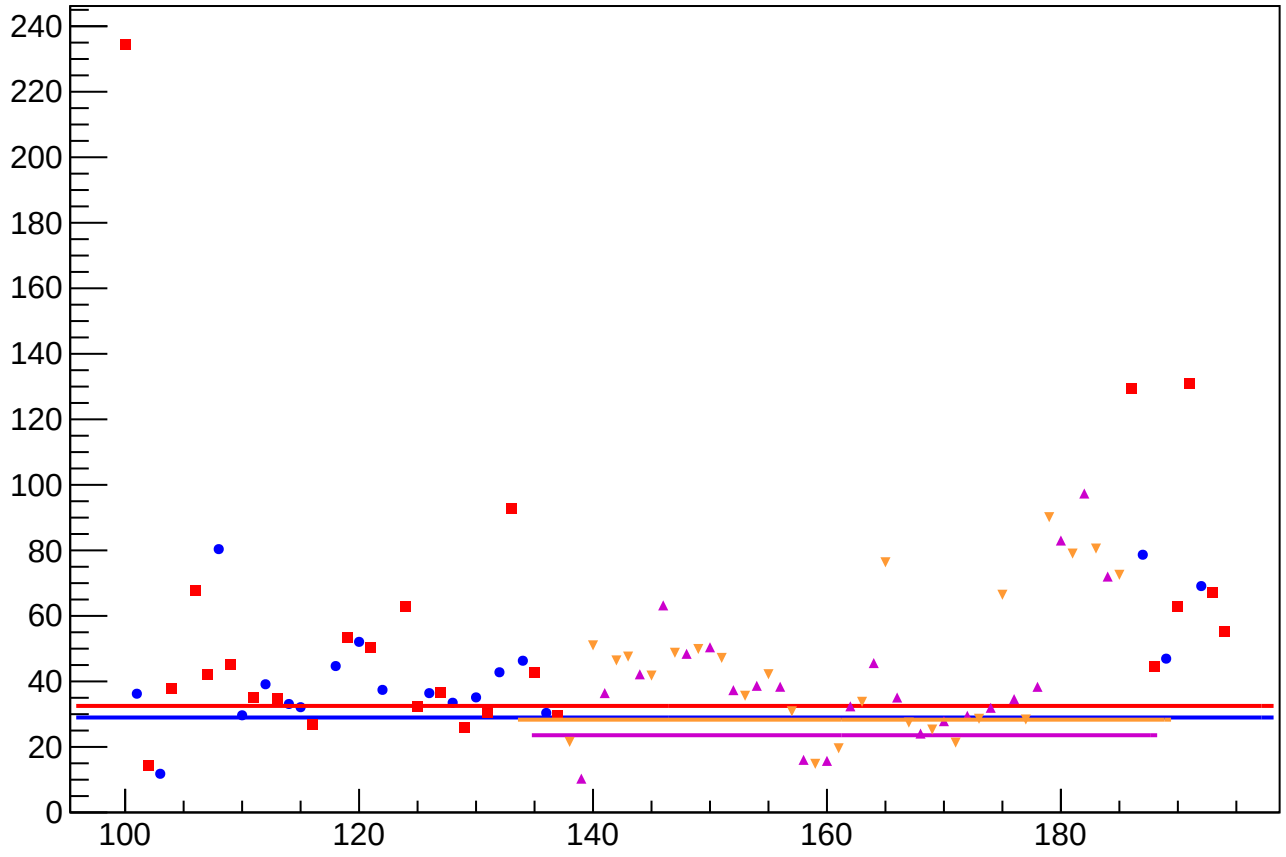
Right Out: 0.030+/-0.012 χ^2/NDF: 17.4/24

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 68.8/43

All: 0.008+/-0.004 χ^2/NDF: 115.8/91

- sign 0.009+/-0.006 χ^2/NDF: 47.0/47



Right In: 28.985+/-0.008 χ^2/NDF: 3353529.8/18

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

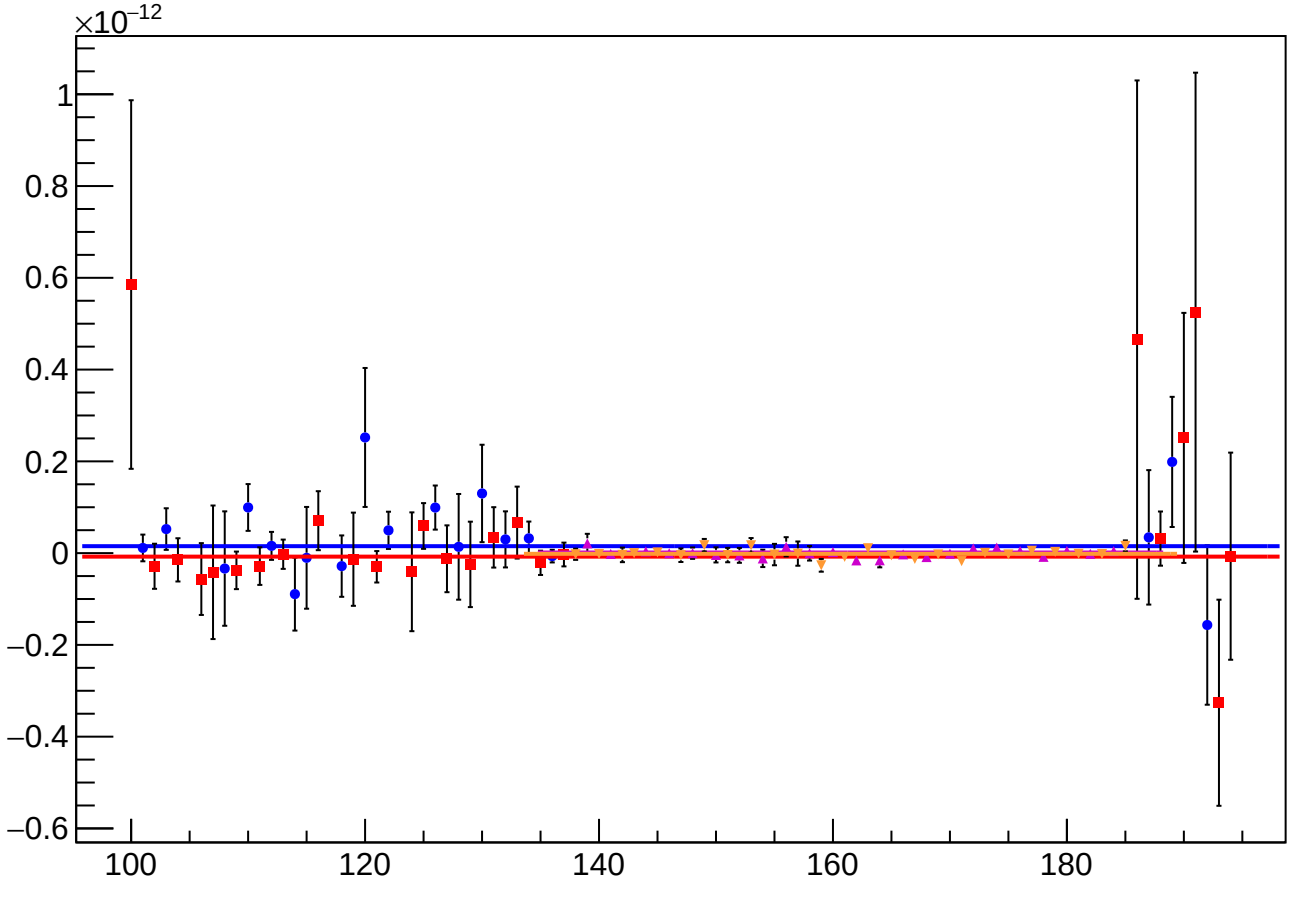
Right Out: 32.519+/-0.008 χ^2/NDF: 4226649.8/24

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.520+/-0.004 χ^2/NDF: 10146801.8/43

All: 27.062+/-0.003 χ^2/NDF: 23698157.1/91

- sign 25.807+/-0.004 χ^2/NDF: 13355503.6/47



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

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

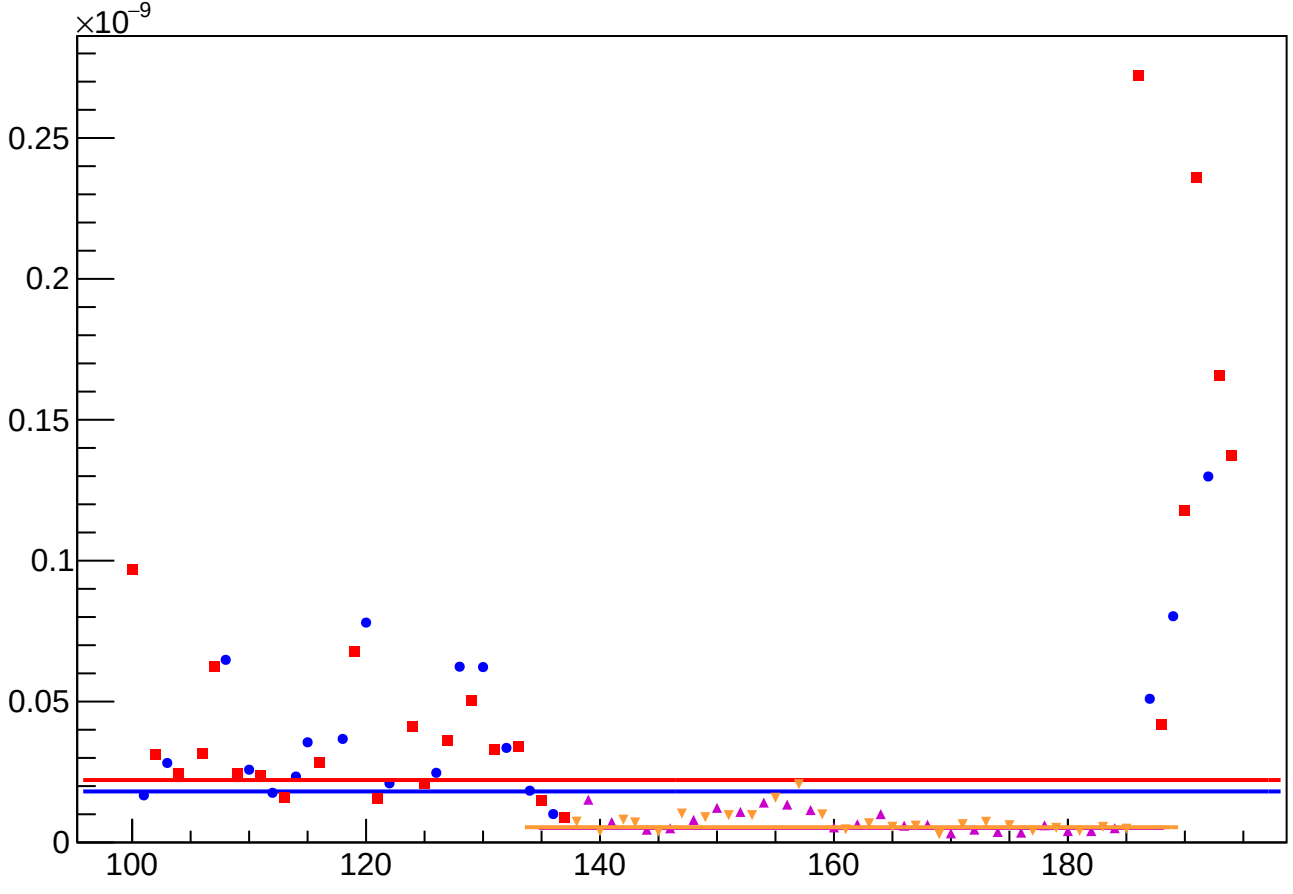
Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/24

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.2/43

All: 0.000+/-0.000 χ^2/NDF: 70.6/91

- sign 0.000+/-0.000 χ^2/NDF: 30.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 3767360.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4503062.7/24

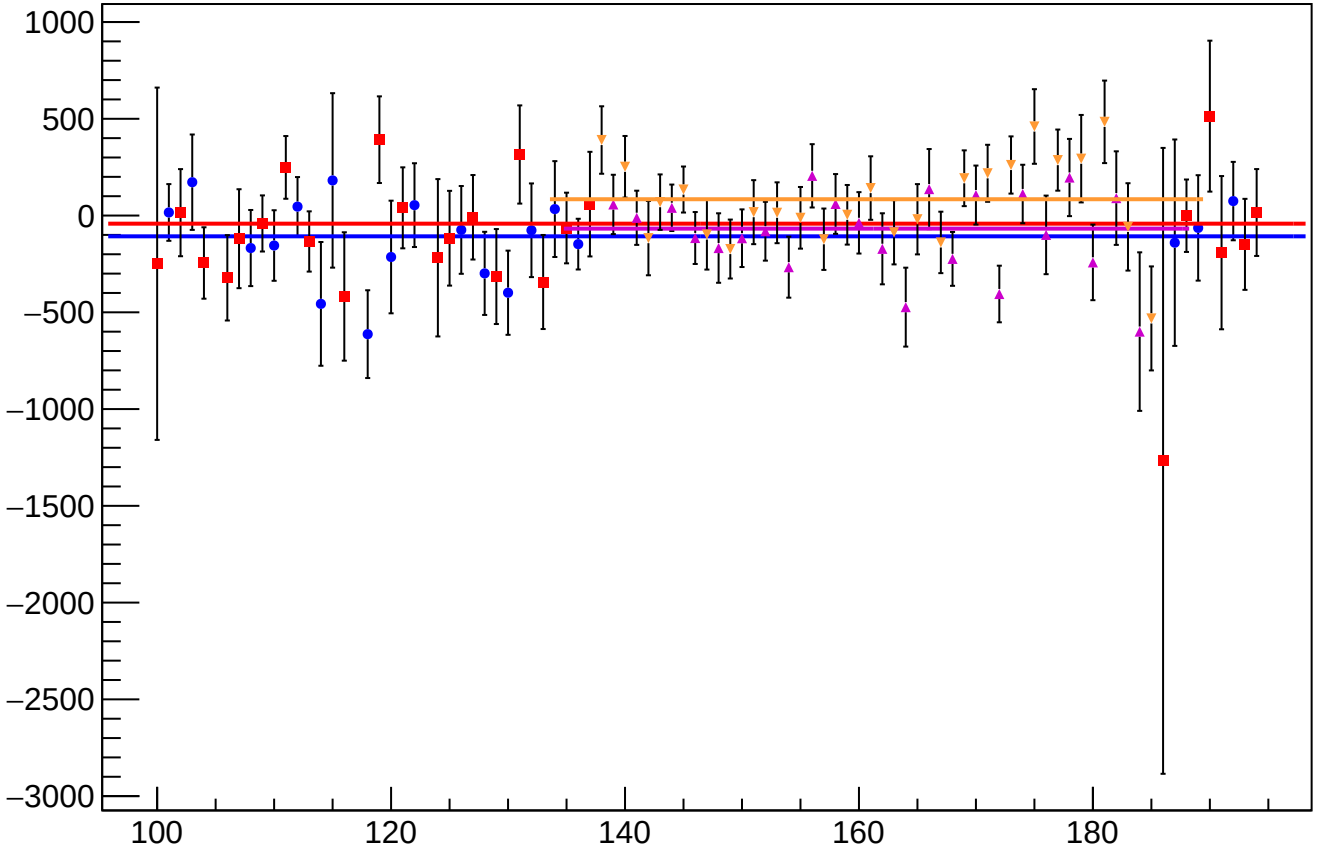
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10357204.2/43

All: 0.000+/-0.000 χ^2/NDF: 23260199.6/91

- sign 0.000+/-0.000 χ^2/NDF: 12884765.0/47

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: -41.944+/-45.584 χ^2/NDF: 20.1/24

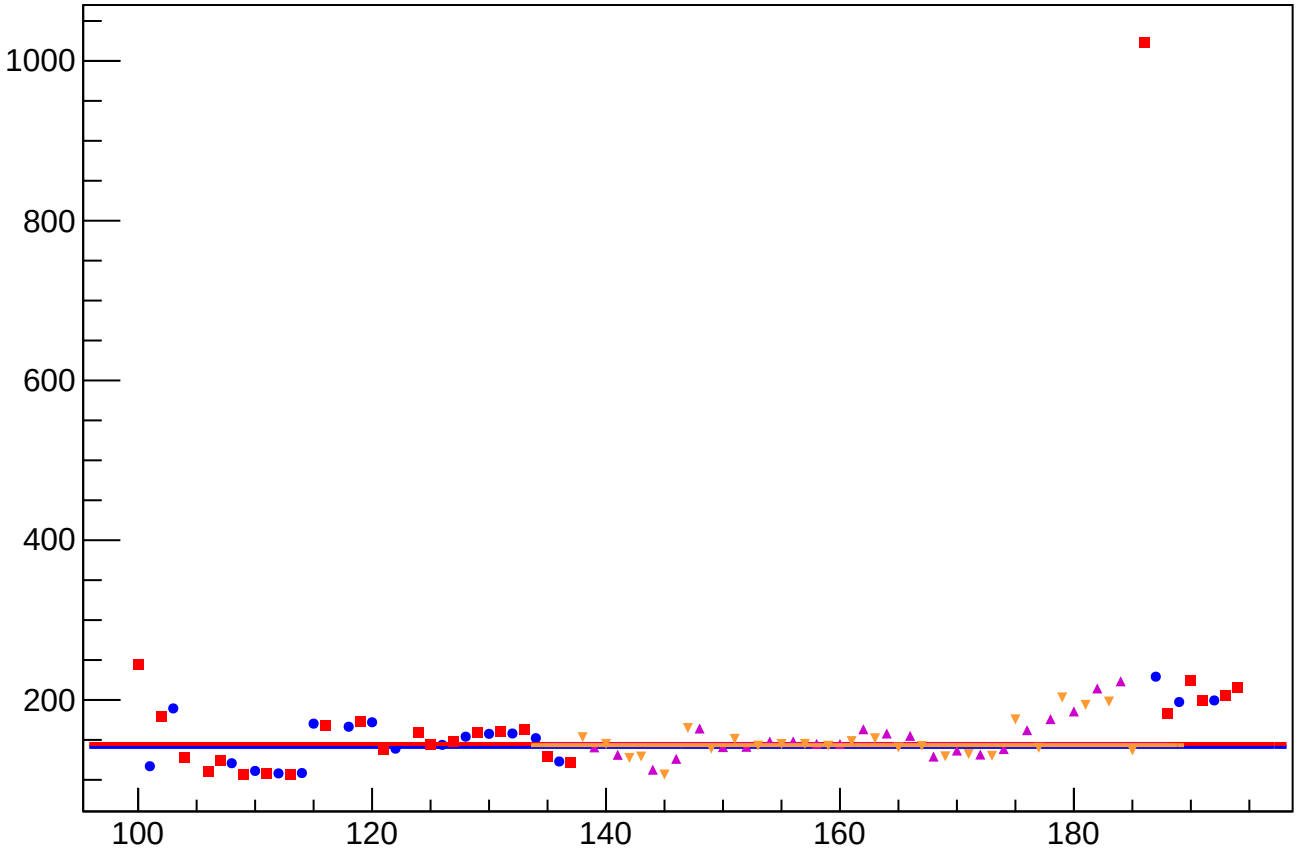
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 23.664+/-27.312 χ^2/NDF: 58.8/43

All: -17.355+/-19.317 χ^2/NDF: 110.1/91

- sign -58.411+/-27.324 χ^2/NDF: 46.8/47

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: 144.910+/-0.032 χ^2/NDF: 1728573.4/24

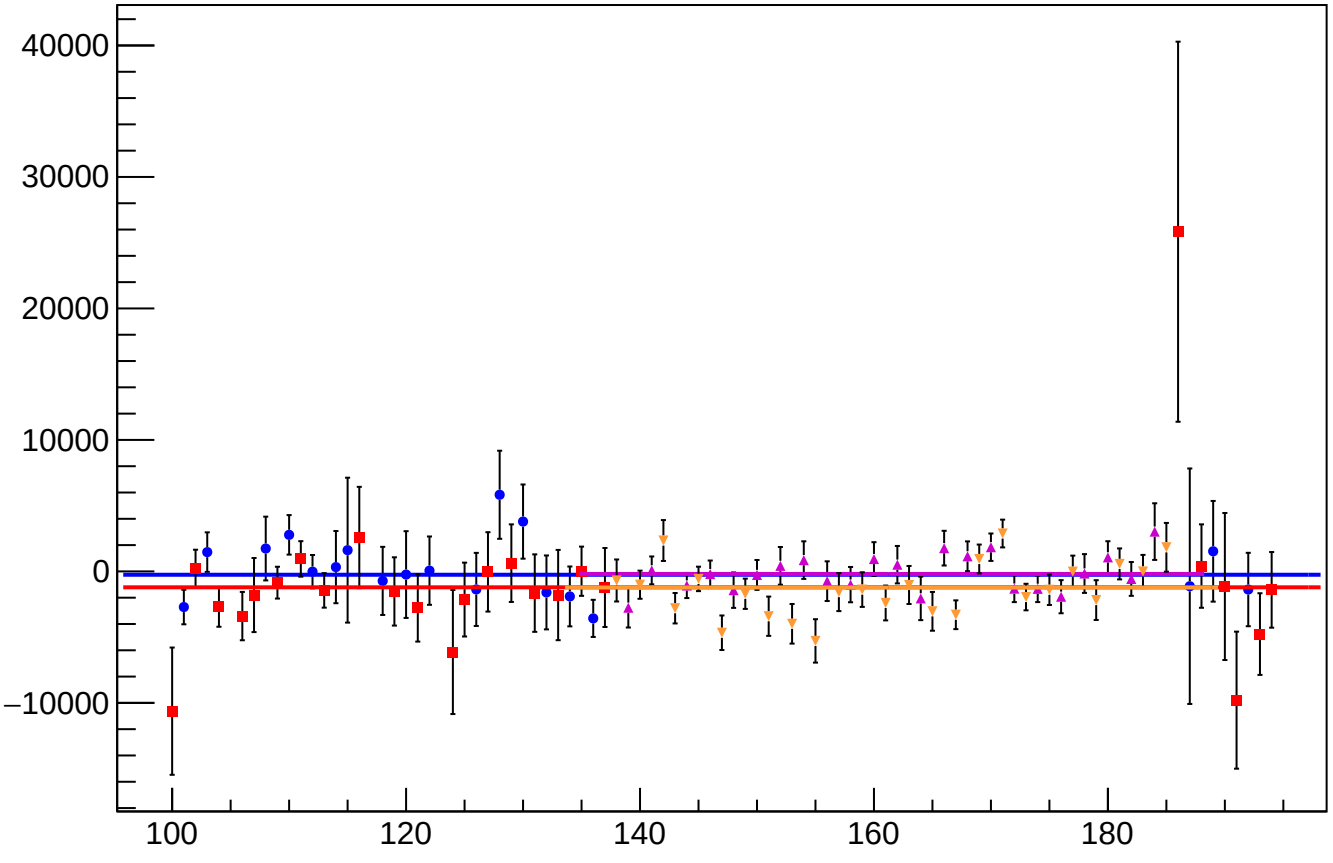
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 142.751+/-0.019 χ^2/NDF: 1503024.6/43

All: 143.593+/-0.014 χ^2/NDF: 3938452.2/91

- sign 144.436+/-0.019 χ^2/NDF: 2431624.0/47

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: -1210.703+/-449.222 χ^2/NDF: 21.2/24

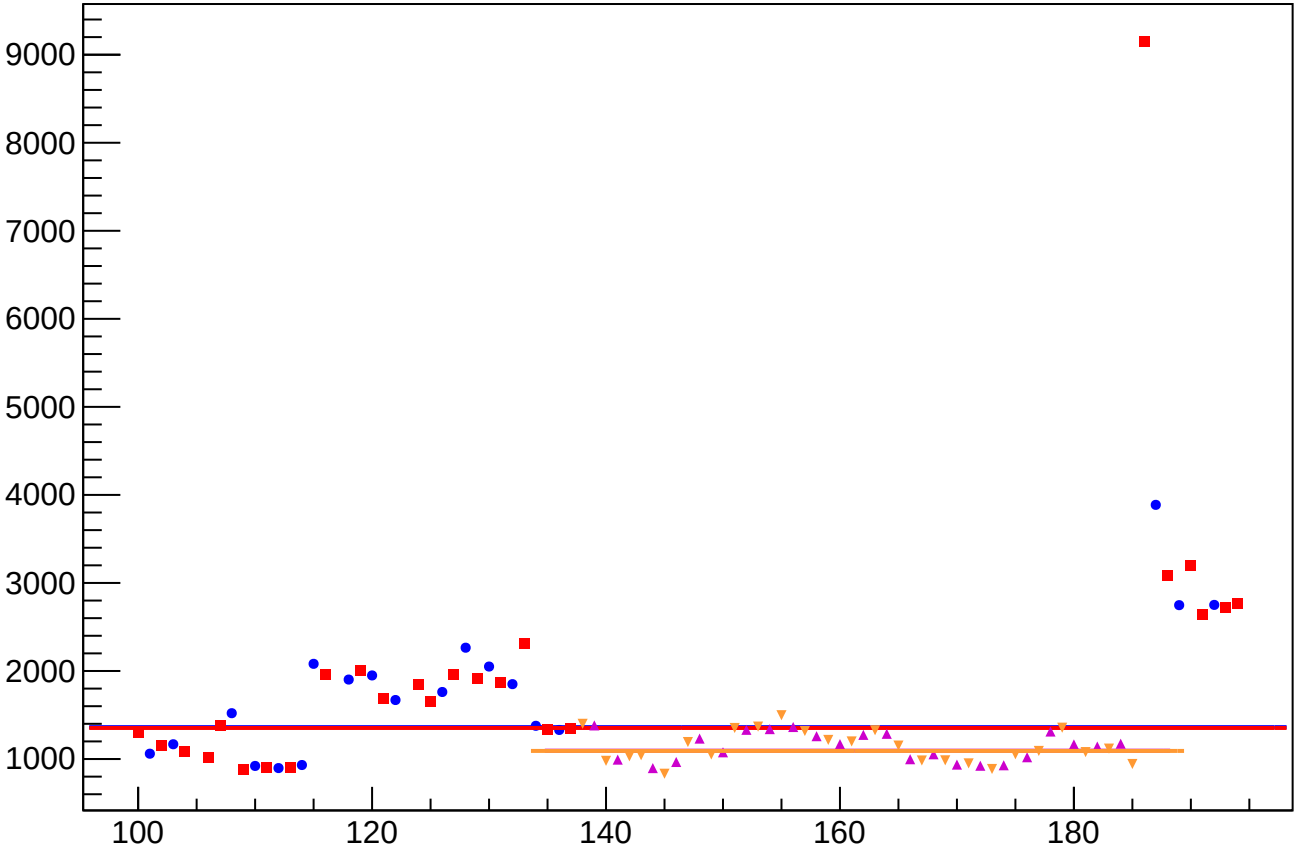
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1021.563+/-223.816 χ^2/NDF: 84.4/43

All: -735.130+/-158.442 χ^2/NDF: 136.0/91

- sign -447.387+/-224.327 χ^2/NDF: 48.4/47

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: 1352.868+/-0.318 χ^2/NDF: 3940852.8/24

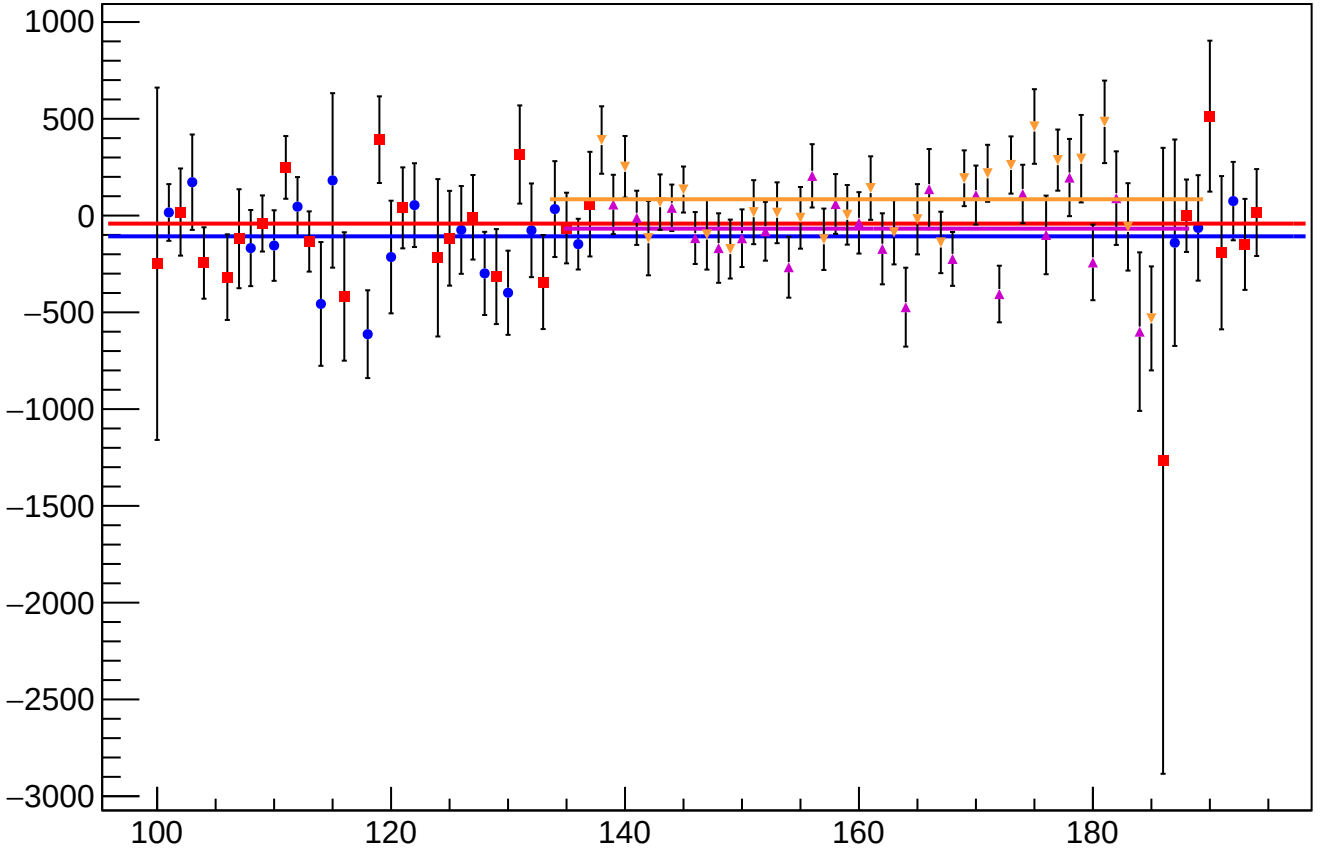
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1148.630+/-0.158 χ^2/NDF: 3507626.3/43

All: 1153.759+/-0.112 χ^2/NDF: 8680248.0/91

- sign 1158.912+/-0.159 χ^2/NDF: 5170515.7/47

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: -41.578+/-45.591 χ^2/NDF: 20.0/24

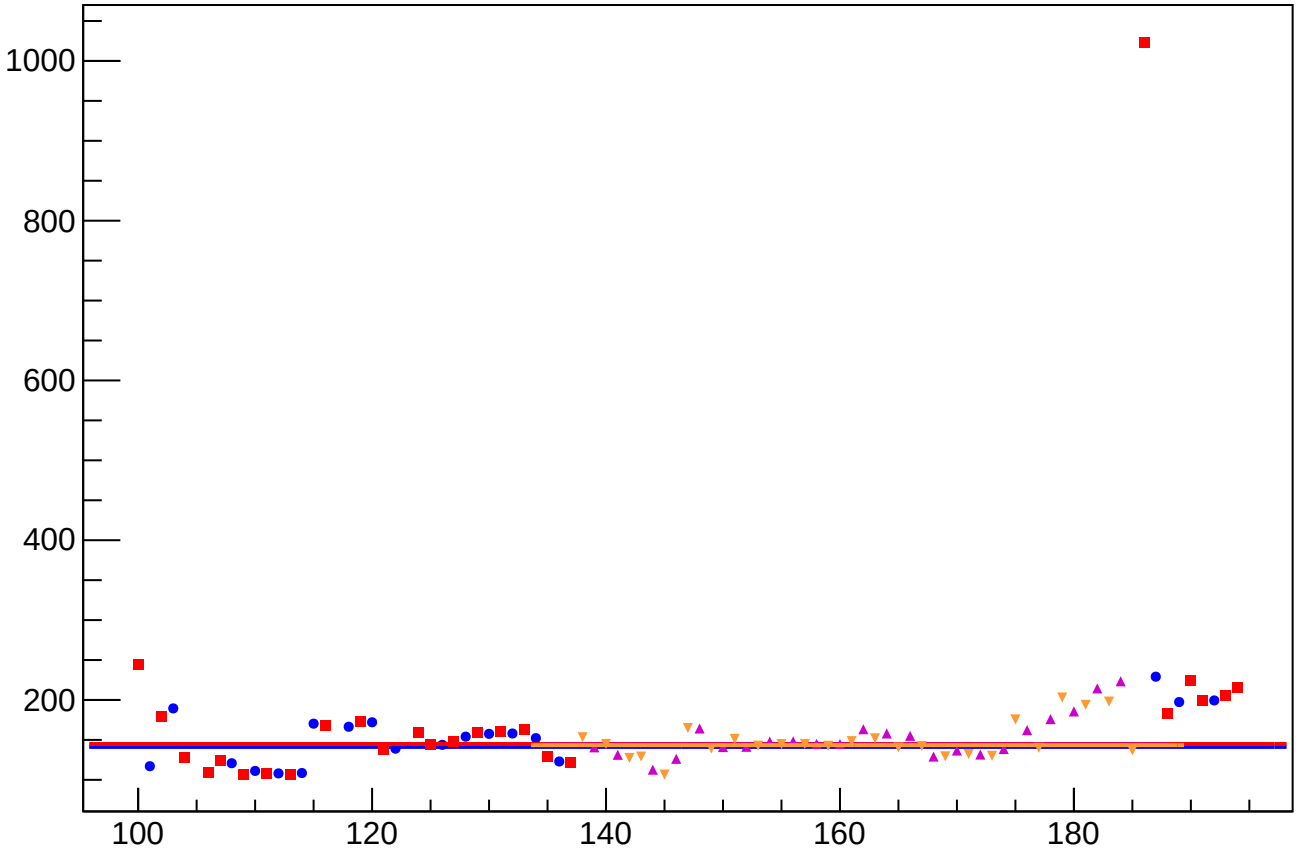
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 23.671+/-27.312 χ^2/NDF: 58.8/43

All: -17.285+/-19.317 χ^2/NDF: 110.0/91

- sign -58.282+/-27.326 χ^2/NDF: 46.8/47

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: 144.853+/-0.032 χ^2/NDF: 1733048.1/24

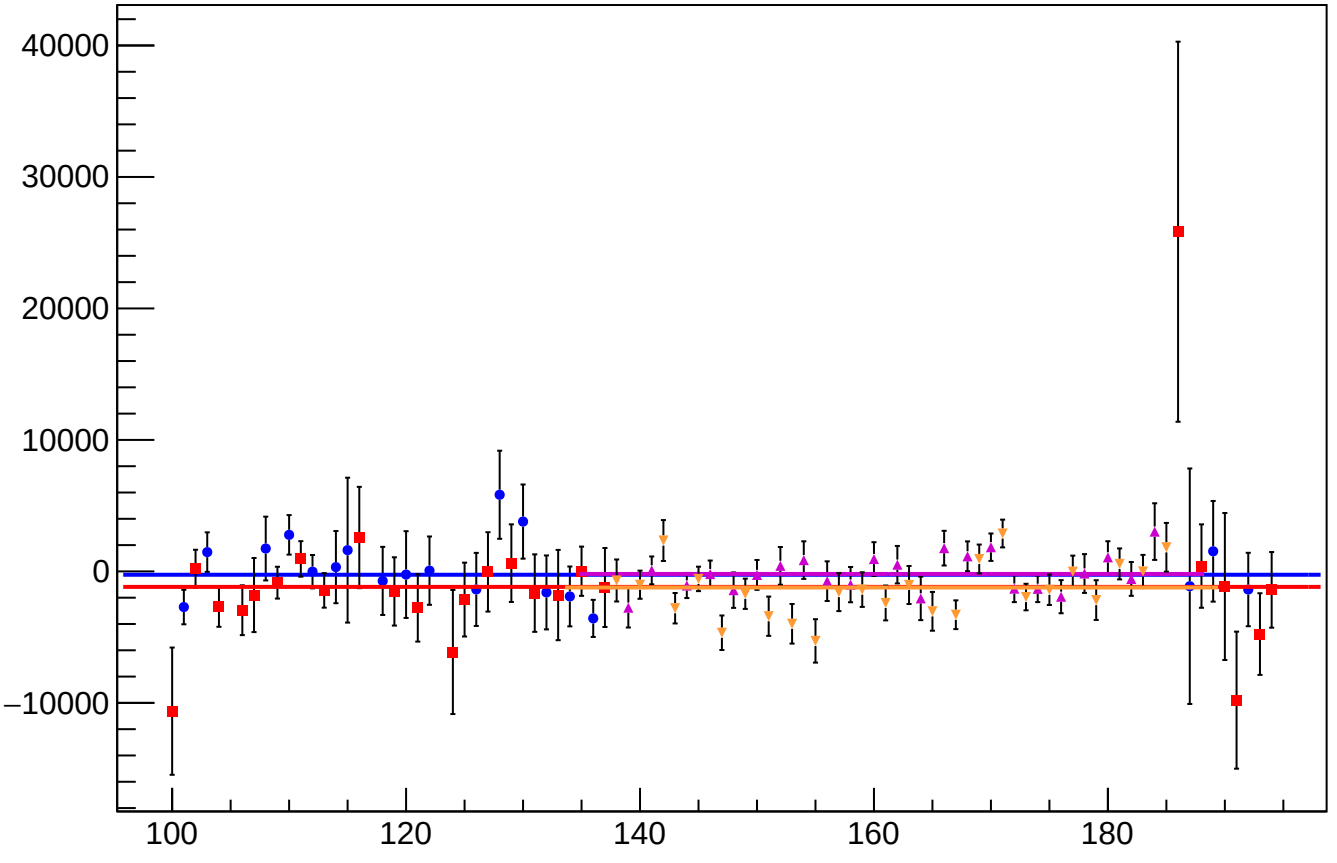
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 142.751+/-0.019 χ^2/NDF: 1503027.4/43

All: 143.583+/-0.014 χ^2/NDF: 3942788.0/91

- sign 144.416+/-0.019 χ^2/NDF: 2436049.0/47

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: -1178.551+/-450.037 χ^2/NDF: 20.6/24

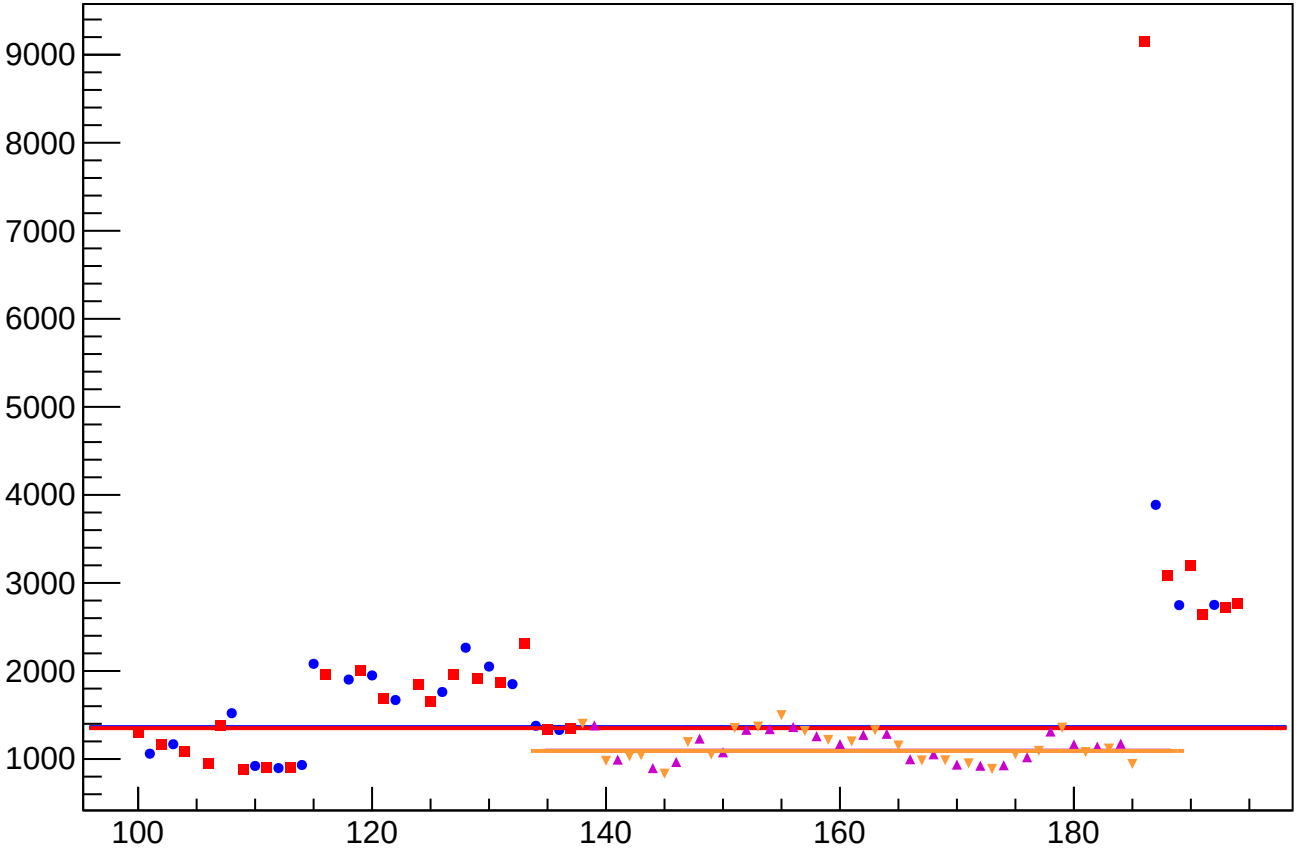
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1021.566+/-223.817 χ^2/NDF: 84.4/43

All: -730.931+/-158.478 χ^2/NDF: 135.3/91

- sign -438.705+/-224.428 χ^2/NDF: 47.5/47

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: 1350.644+/-0.318 χ^2/NDF: 3961952.5/24

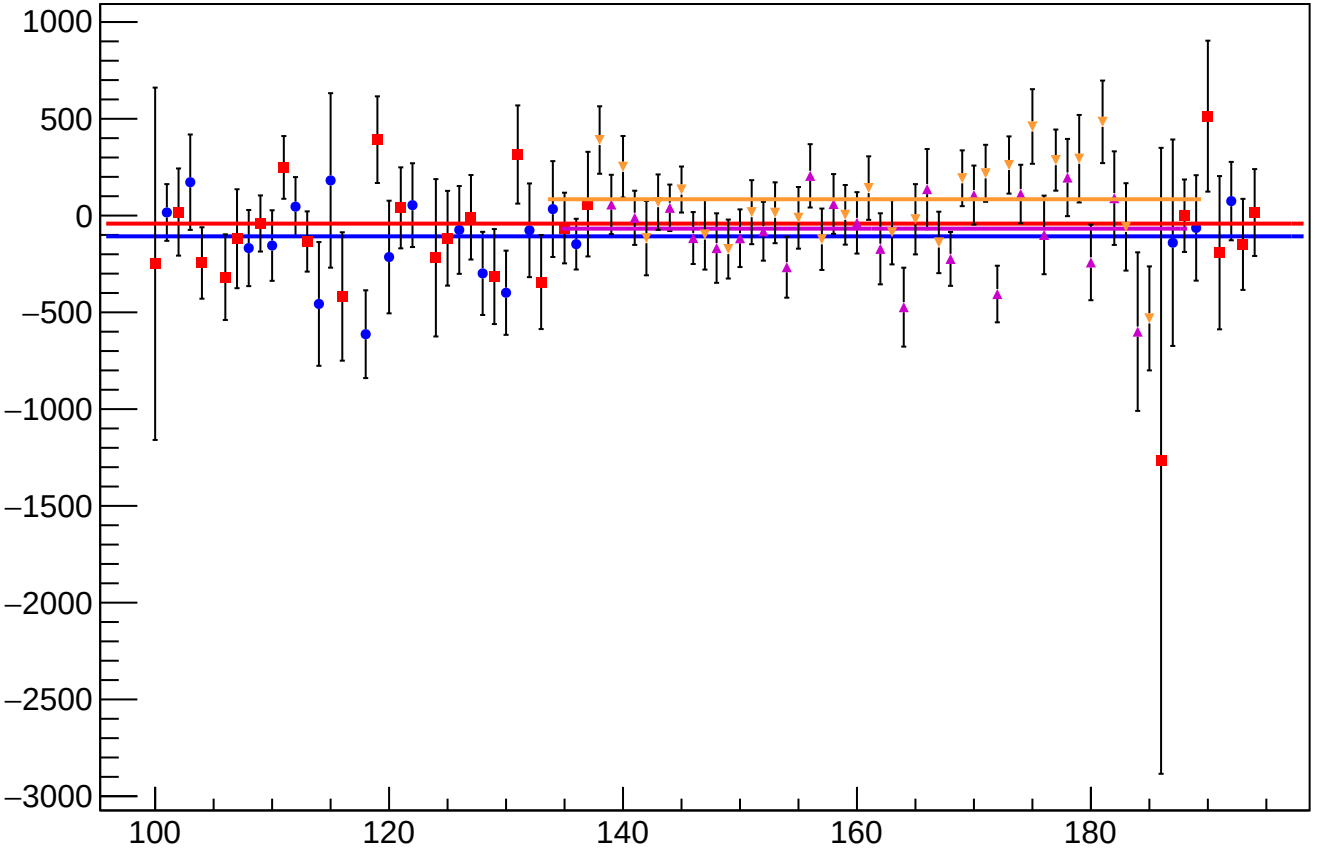
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1148.632+/-0.158 χ^2/NDF: 3507628.4/43

All: 1153.395+/-0.112 χ^2/NDF: 8691222.1/91

- sign 1158.185+/-0.159 χ^2/NDF: 5181776.9/47

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: -41.578+/-45.591 χ^2/NDF: 20.0/24

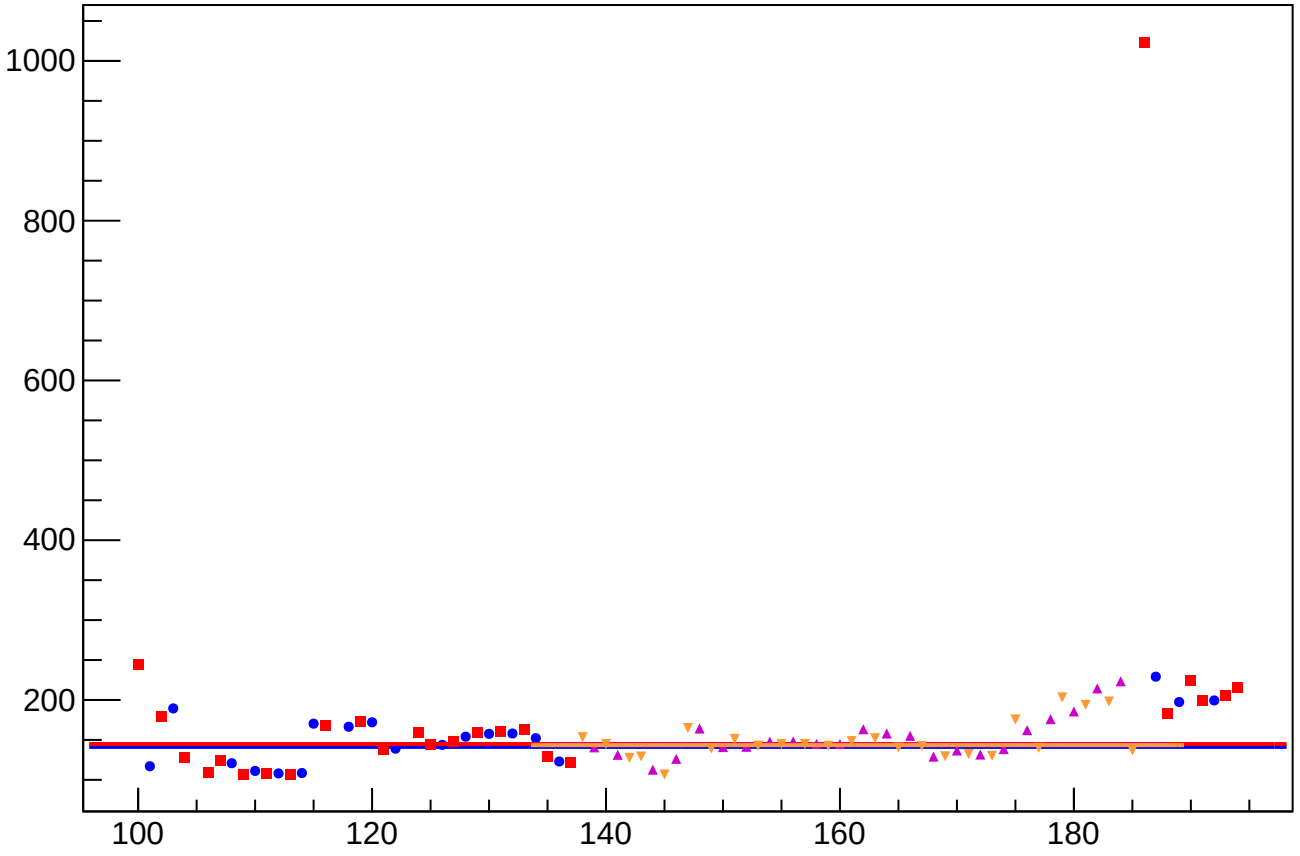
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 23.671+/-27.312 χ^2/NDF: 58.8/43

All: -17.285+/-19.317 χ^2/NDF: 110.0/91

- sign -58.282+/-27.326 χ^2/NDF: 46.8/47

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

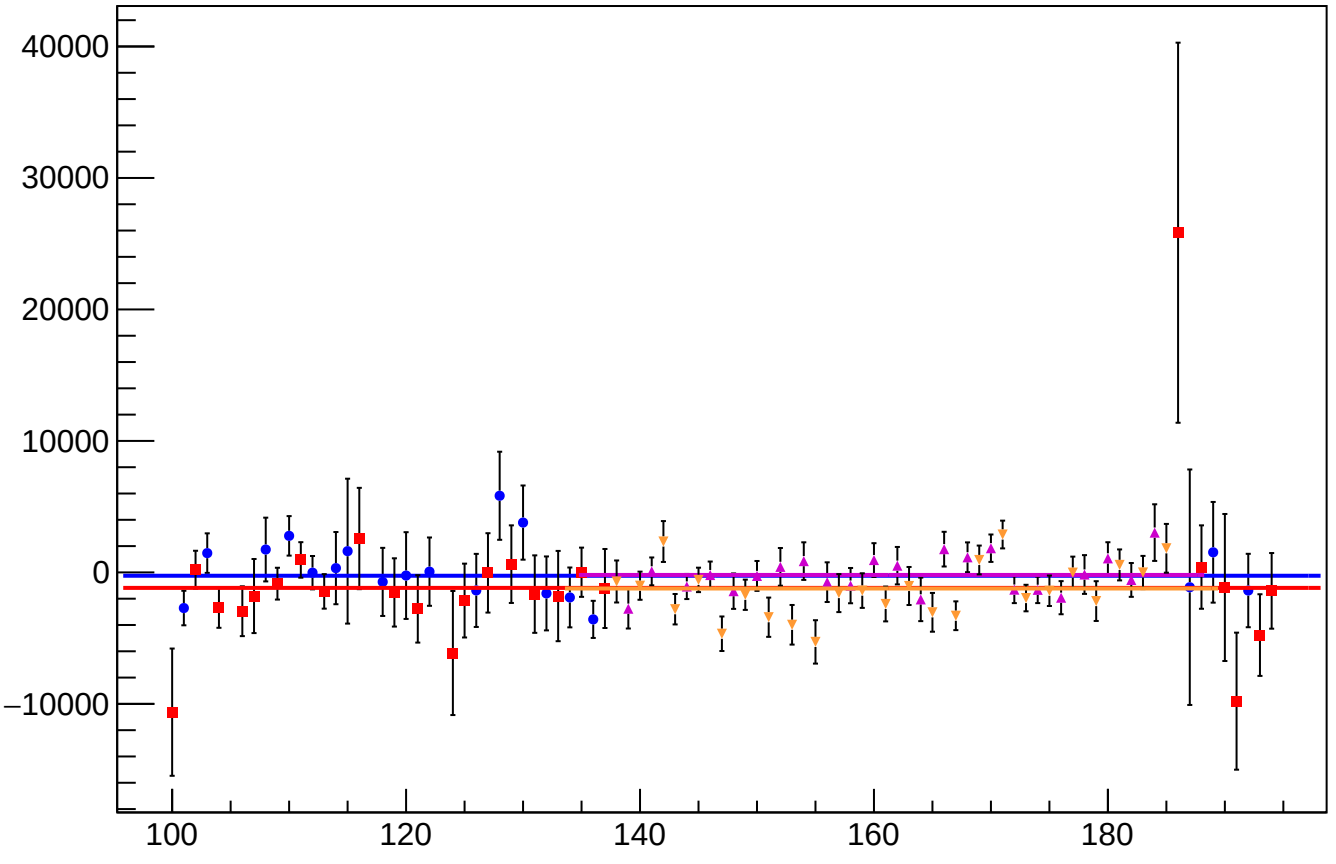
Right Out: 144.853+/-0.032 χ^2/NDF: 1733048.1/24

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 142.751+/-0.019 χ^2/NDF: 1503027.4/43

All: 143.583+/-0.014 χ^2/NDF: 3942788.0/91

- sign 144.416+/-0.019 χ^2/NDF: 2436049.0/47



Right In: -254.806+/-488.747 χ^2/NDF: 22.0/18

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1178.551+/-450.037 χ^2/NDF: 20.6/24

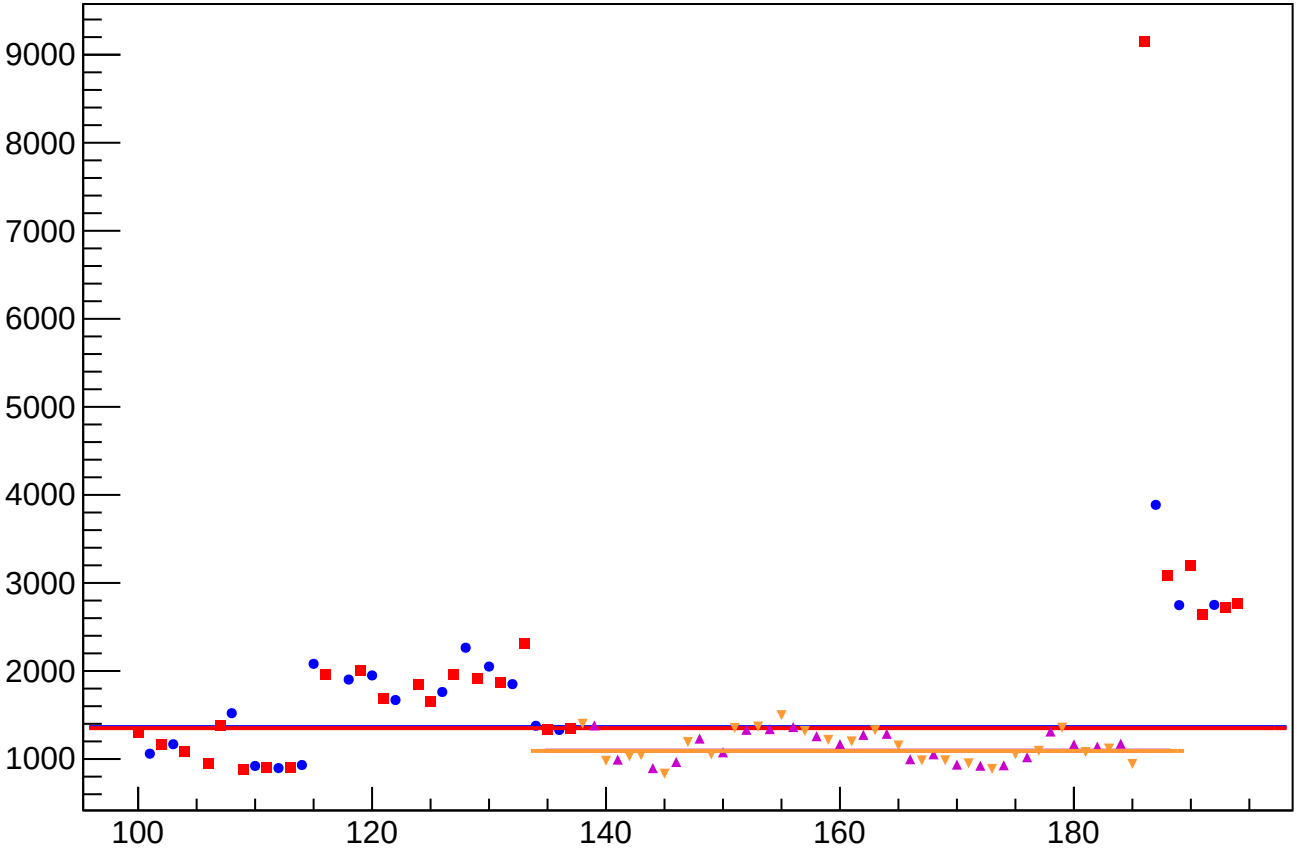
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1021.566+/-223.817 χ^2/NDF: 84.4/43

All: -730.931+/-158.478 χ^2/NDF: 135.3/91

- sign -438.705+/-224.428 χ^2/NDF: 47.5/47

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: 1350.644+/-0.318 χ^2/NDF: 3961952.5/24

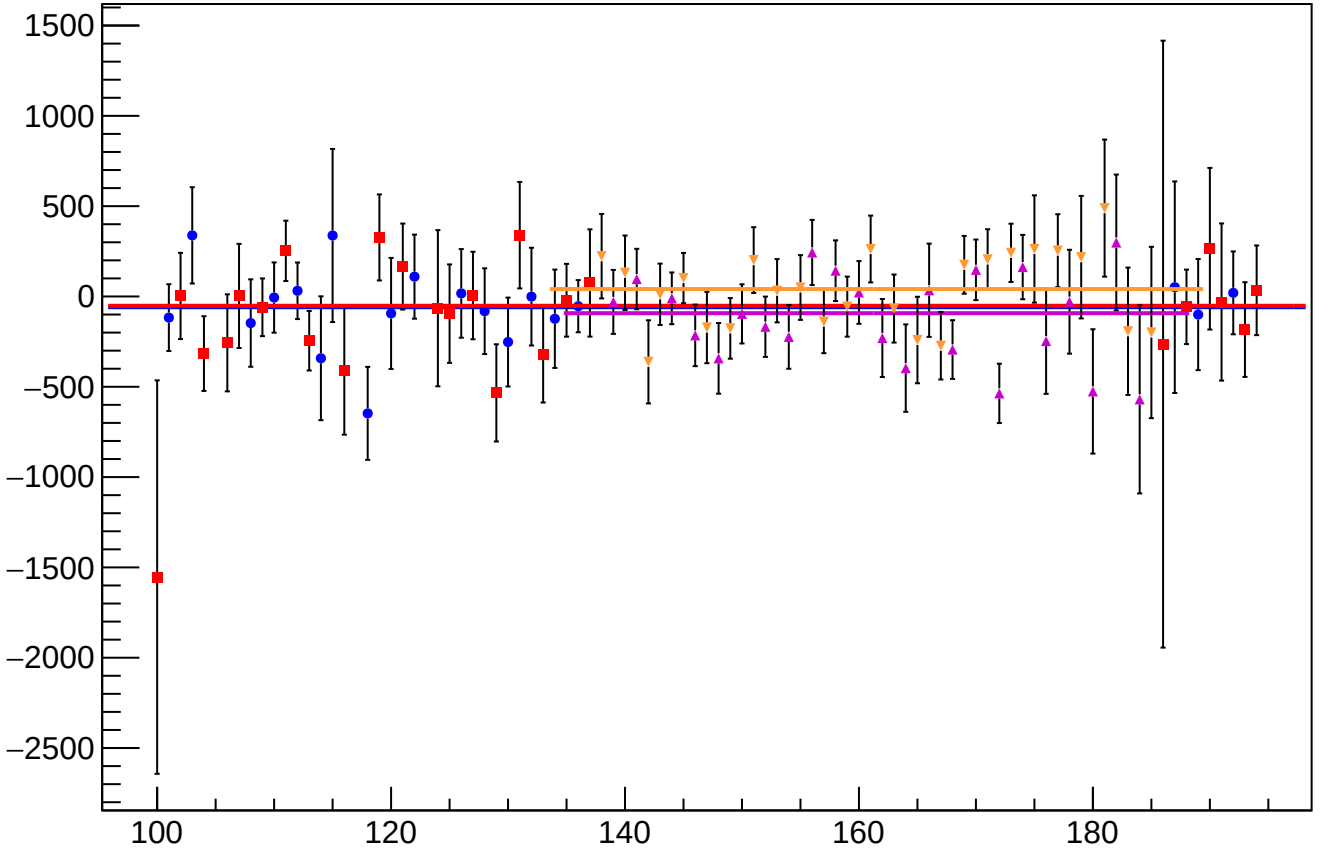
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1148.632+/-0.158 χ^2/NDF: 3507628.4/43

All: 1153.395+/-0.112 χ^2/NDF: 8691222.1/91

- sign 1158.185+/-0.159 χ^2/NDF: 5181776.9/47

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: -51.484+/-50.086 χ^2/NDF: 20.4/24

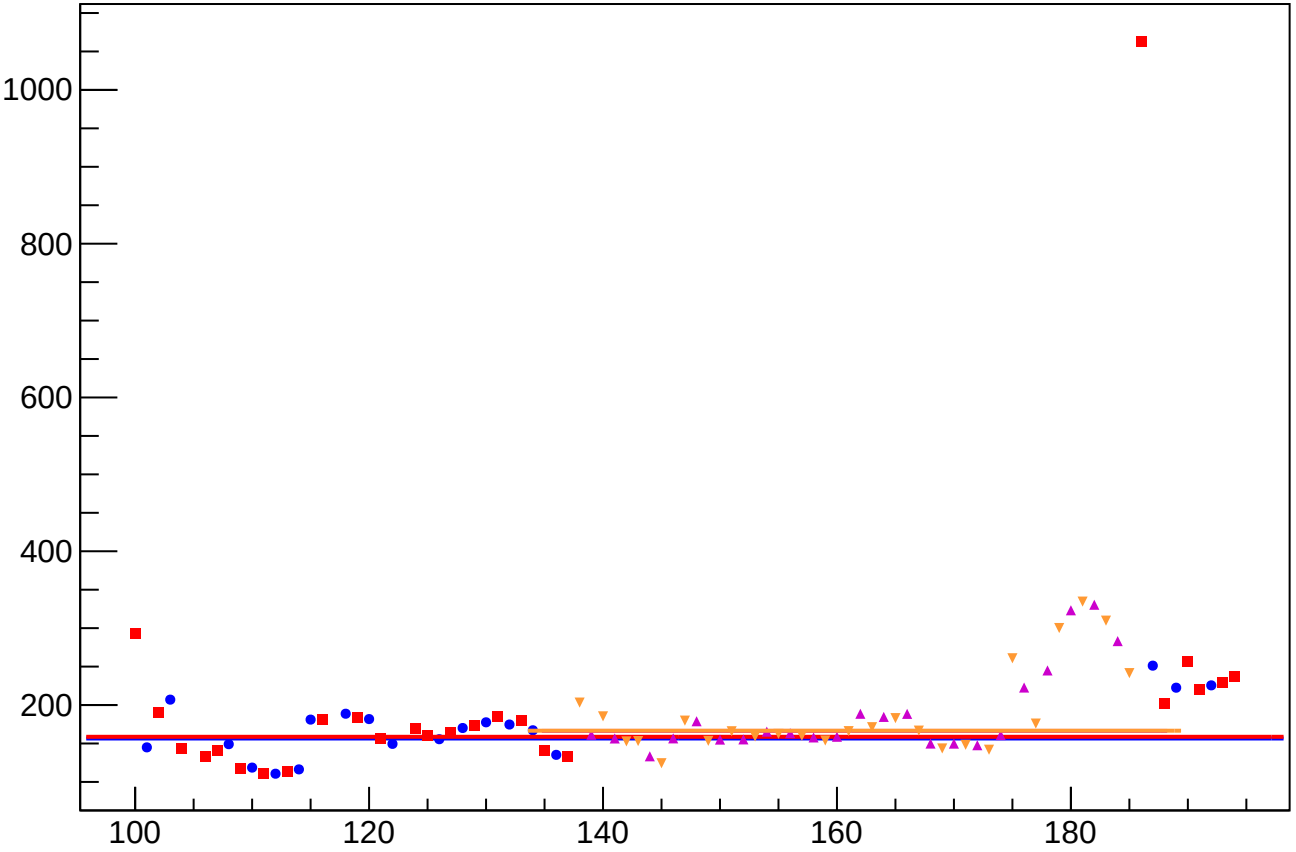
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 6.455+/-31.707 χ^2/NDF: 35.6/43

All: -35.503+/-22.287 χ^2/NDF: 89.3/91

- sign -76.481+/-31.334 χ^2/NDF: 50.3/47

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: 158.696+/-0.035 χ^2/NDF: 1788618.6/24

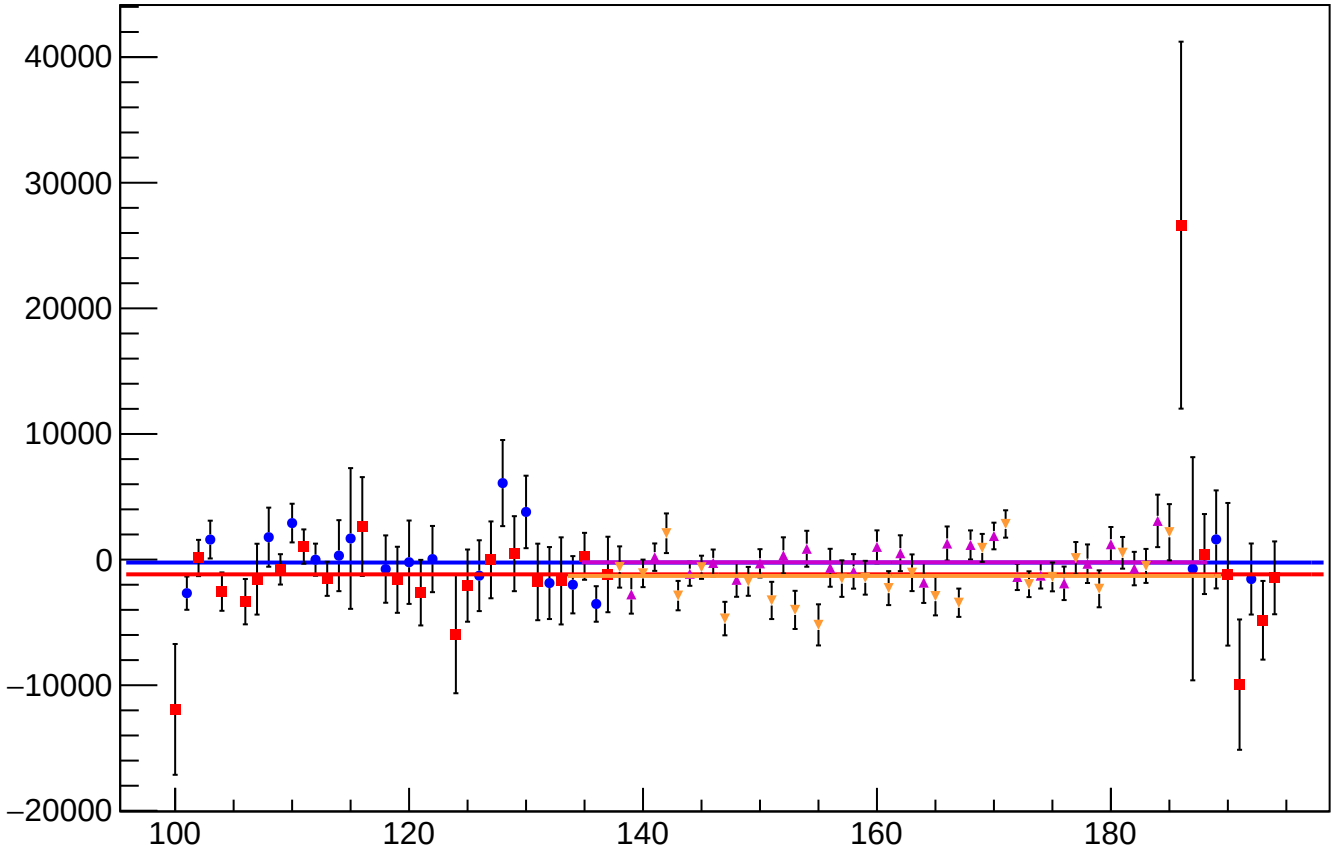
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 163.113+/-0.022 χ^2/NDF: 2576558.0/43

All: 163.222+/-0.016 χ^2/NDF: 5785805.4/91

- sign 163.329+/-0.022 χ^2/NDF: 3209200.4/47

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: -1173.280+/-453.351 χ^2/NDF: 21.8/24

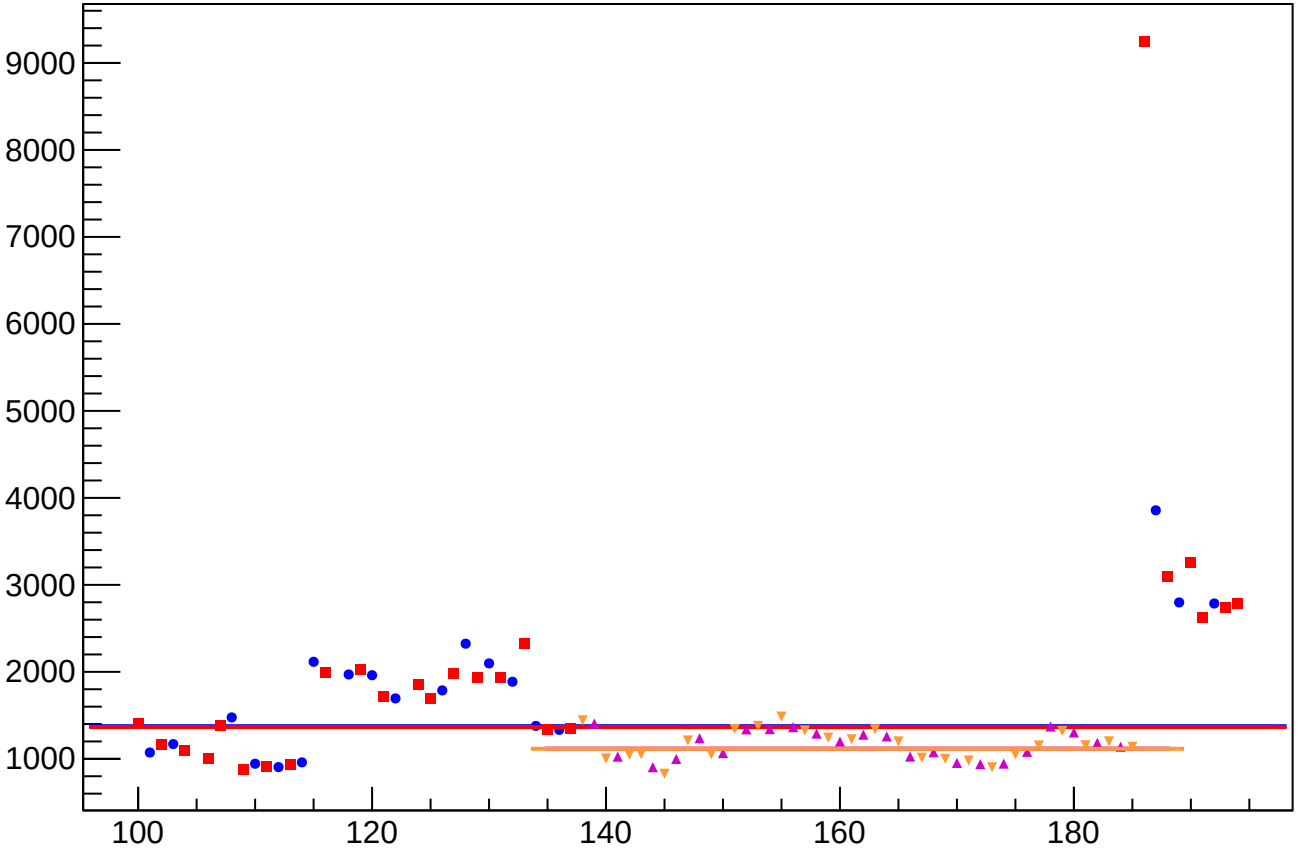
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1071.288+/-227.916 χ^2/NDF: 81.1/43

All: -766.229+/-161.328 χ^2/NDF: 132.0/91

- sign -459.907+/-228.388 χ^2/NDF: 47.3/47

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: 1365.806+/-0.321 χ^2/NDF: 3955129.1/24

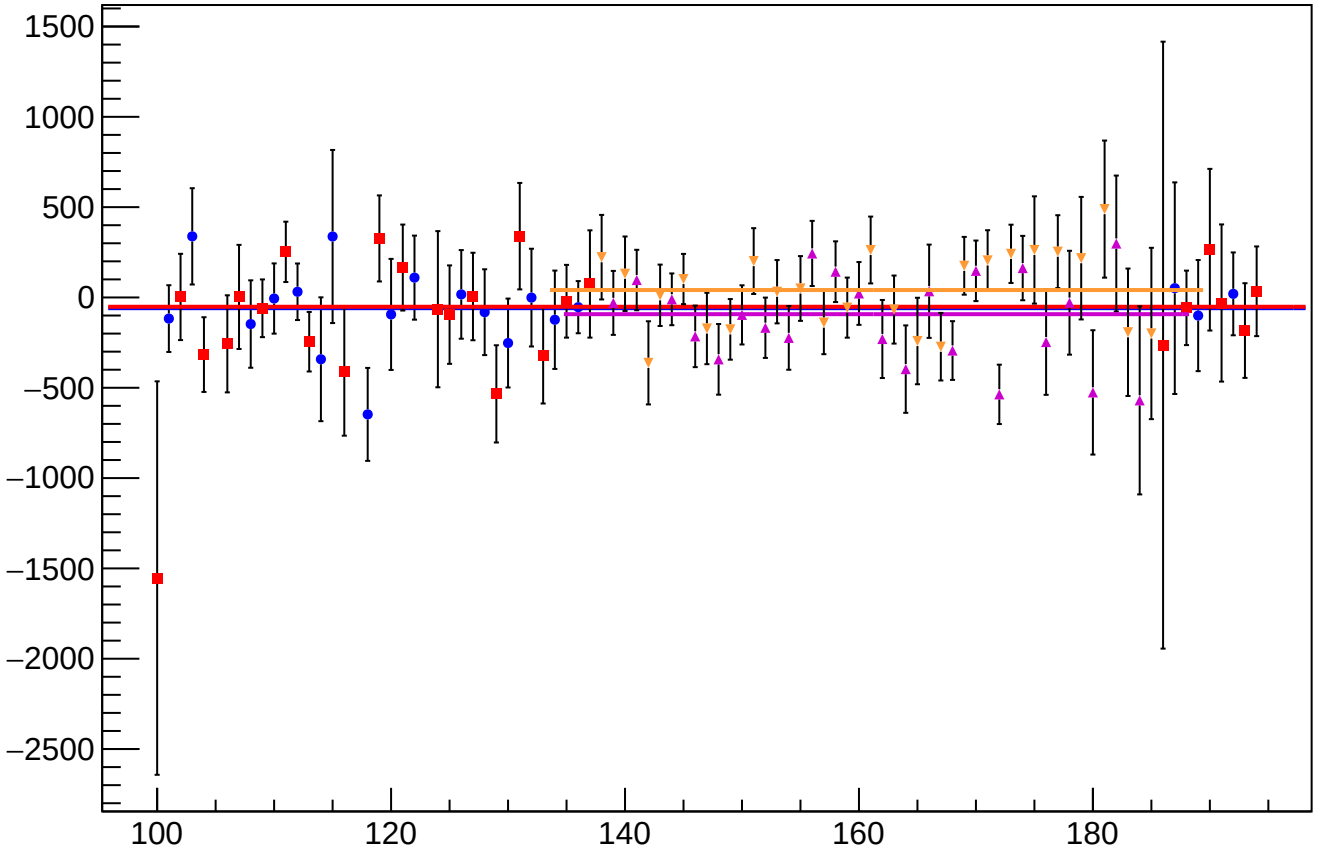
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1171.371+/-0.161 χ^2/NDF: 3450395.8/43

All: 1176.058+/-0.114 χ^2/NDF: 8583123.6/91

- sign 1180.765+/-0.161 χ^2/NDF: 5131032.5/47

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: -51.483+/-50.086 χ^2/NDF: 20.4/24

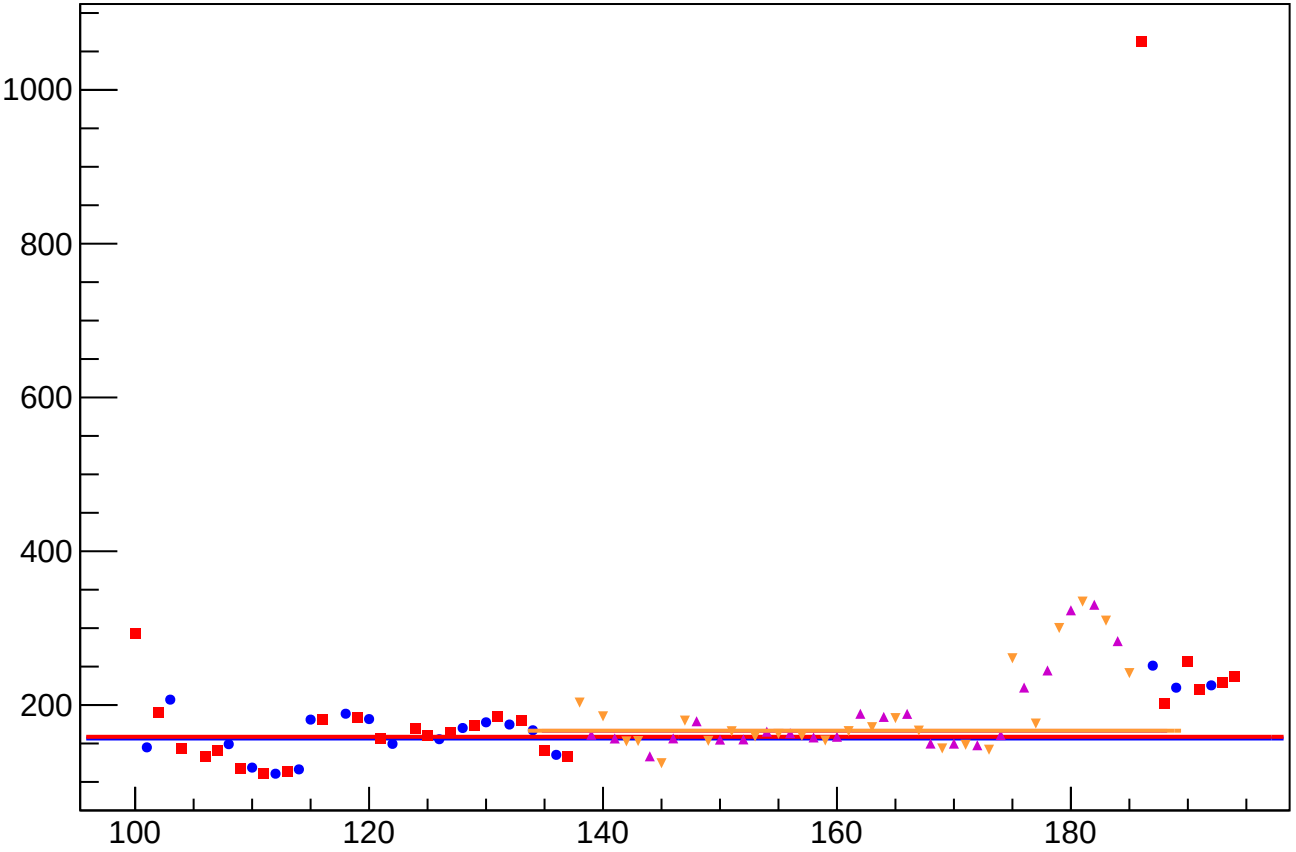
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 6.458+/-31.707 χ^2/NDF: 35.6/43

All: -35.501+/-22.287 χ^2/NDF: 89.3/91

- sign -76.481+/-31.334 χ^2/NDF: 50.3/47

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: 158.696+/-0.035 χ^2/NDF: 1788619.5/24

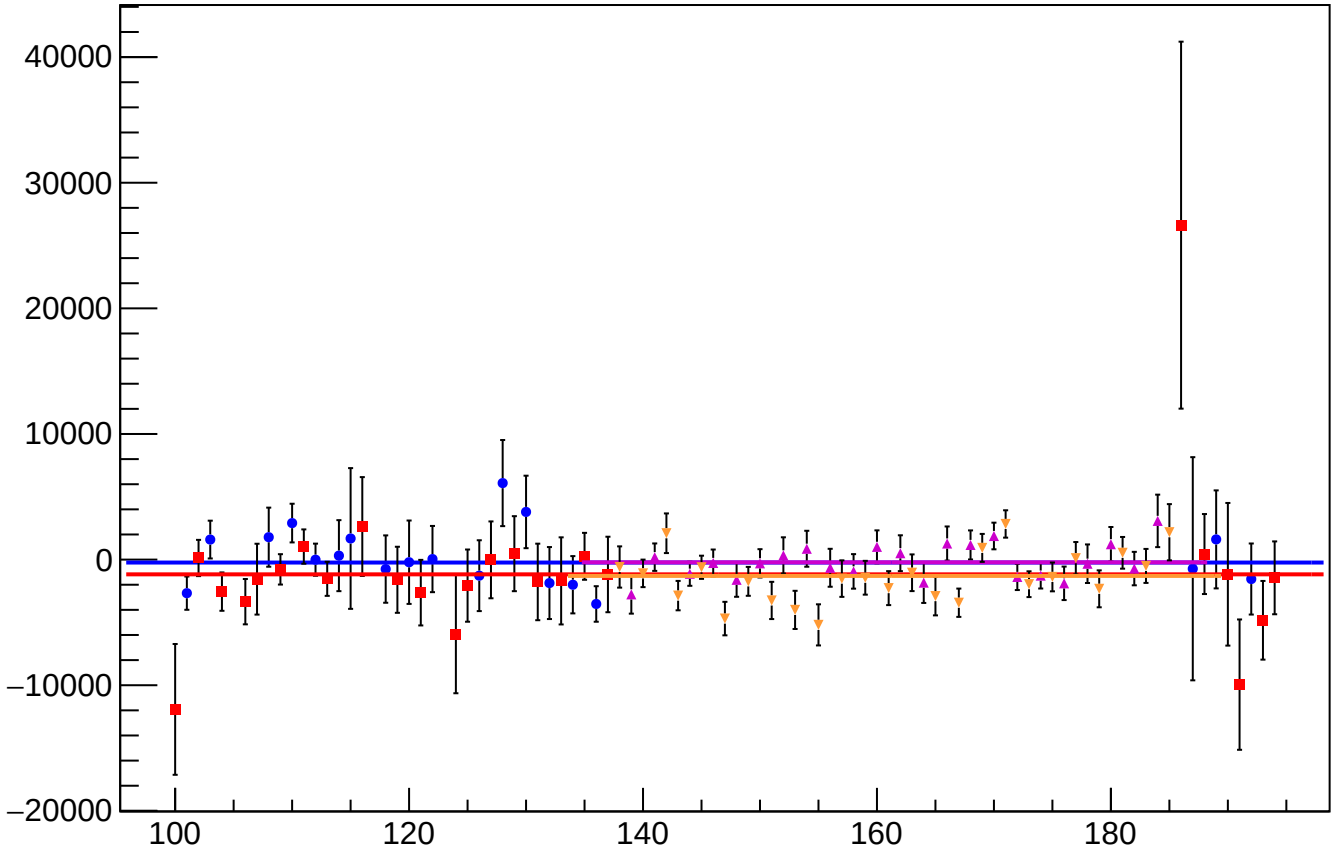
Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 163.113+/-0.022 χ^2/NDF: 2576550.3/43

All: 163.222+/-0.016 χ^2/NDF: 5785780.5/91

- sign 163.329+/-0.022 χ^2/NDF: 3209183.3/47

asym_sam_48_avg_eigen_dit_correction_mean vs Slug



Right In: -233.834+/-493.505 χ^2/NDF: 22.3/18

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: -1173.279+/-453.351 χ^2/NDF: 21.8/24

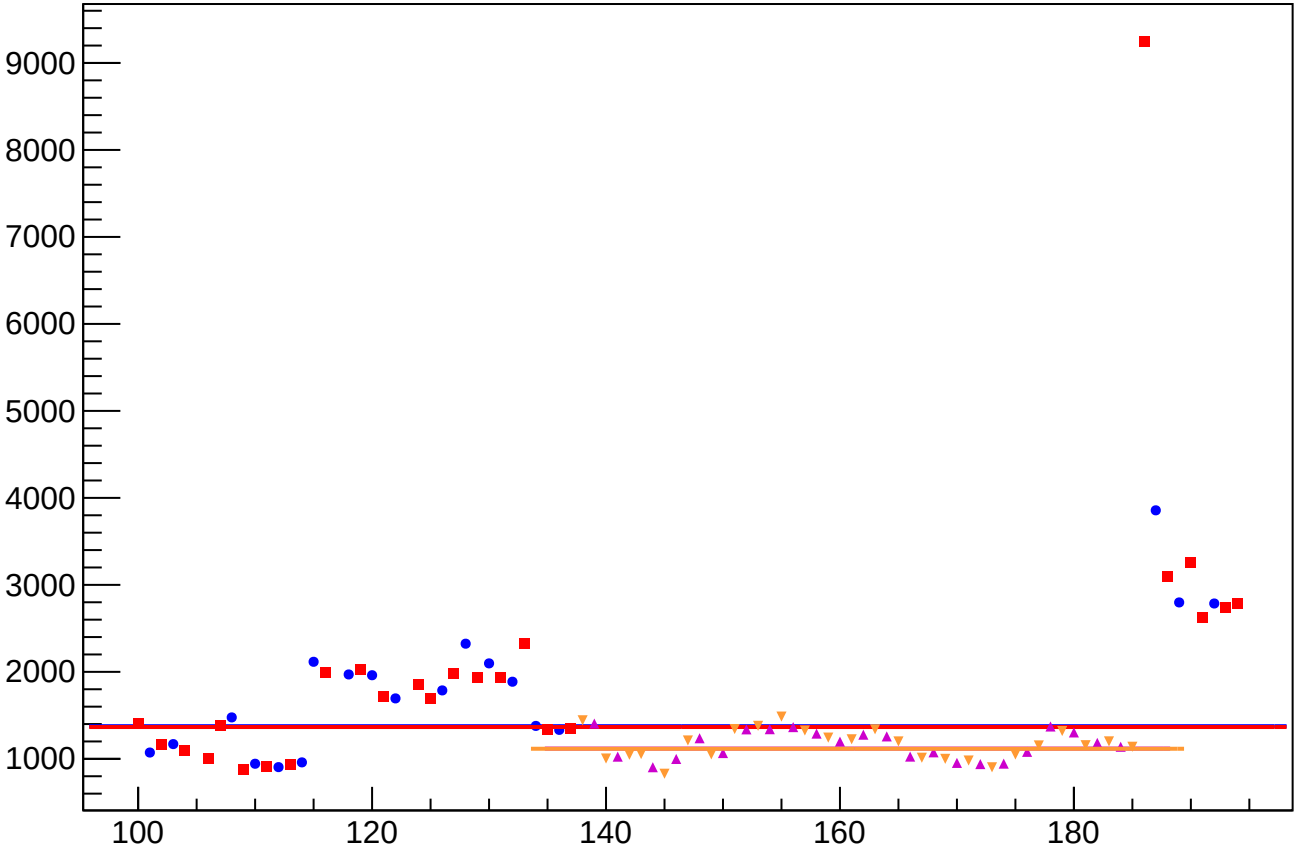
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1071.286+/-227.916 χ^2/NDF: 81.1/43

All: -766.227+/-161.327 χ^2/NDF: 132.0/91

- sign -459.905+/-228.387 χ^2/NDF: 47.3/47

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1375.480+/-0.349 χ^2/NDF: 2148035.0/18

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1365.805+/-0.321 χ^2/NDF: 3955128.0/24

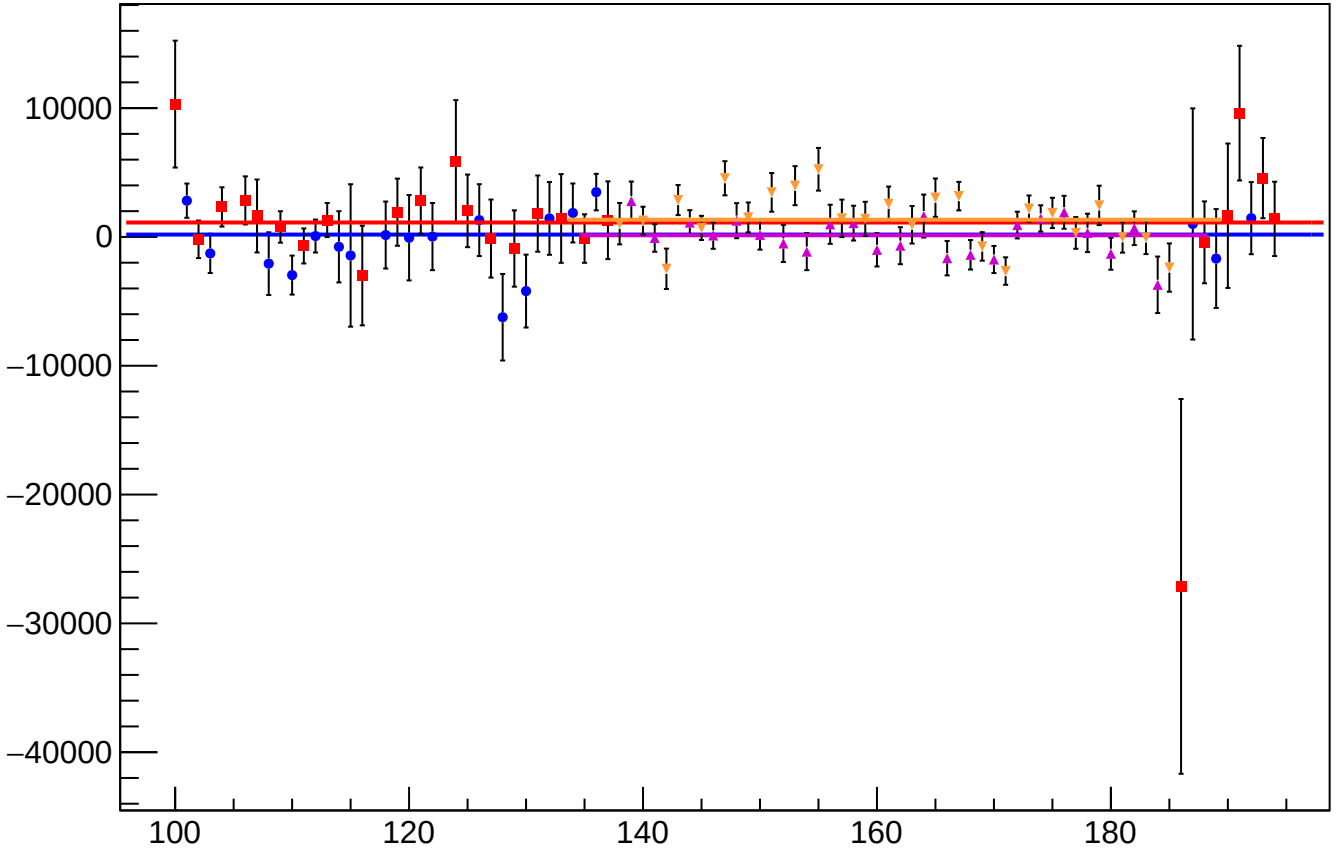
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1171.369+/-0.161 χ^2/NDF: 3450402.4/43

All: 1176.056+/-0.114 χ^2/NDF: 8583130.9/91

- sign 1180.763+/-0.161 χ^2/NDF: 5131033.1/47

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: 1119.673+/-452.505 χ^2/NDF: 19.5/24

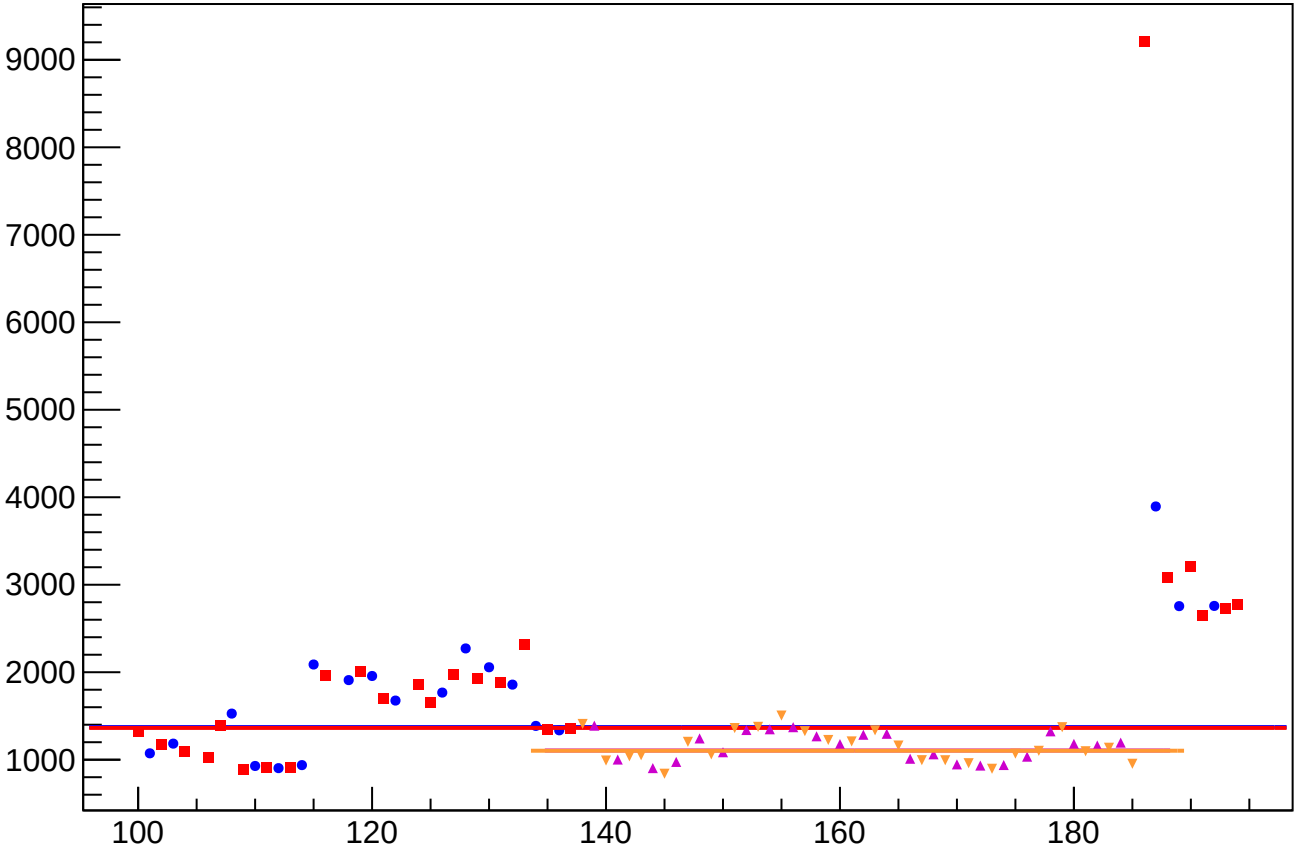
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1092.249+/-225.853 χ^2/NDF: 83.0/43

All: 735.135+/-159.880 χ^2/NDF: 135.1/91

- sign 376.424+/-226.357 χ^2/NDF: 47.1/47

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

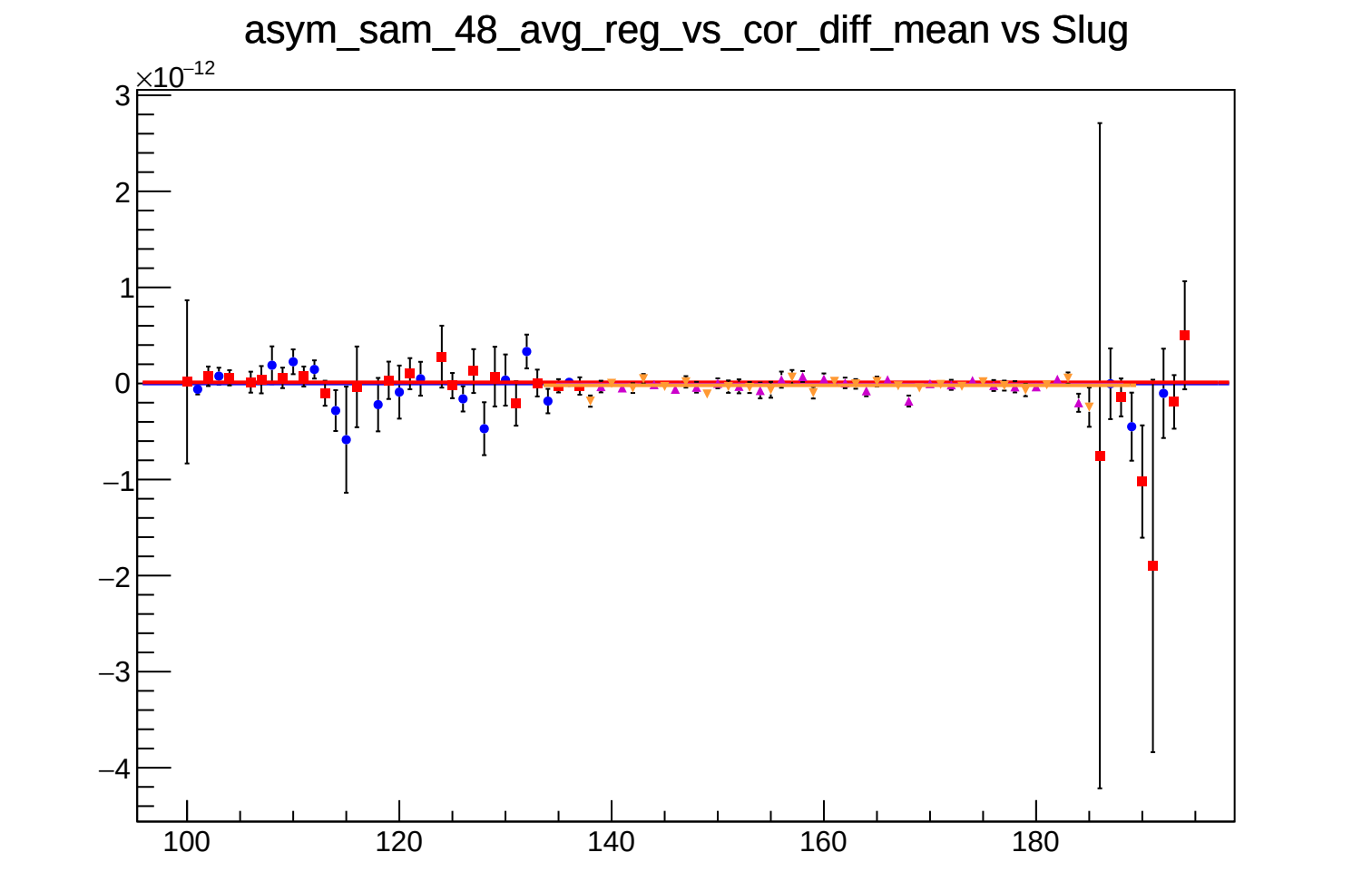
Right Out: 1363.618+/-0.320 χ^2/NDF: 3909208.8/24

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1159.599+/-0.160 χ^2/NDF: 3463779.8/43

All: 1164.720+/-0.113 χ^2/NDF: 8587408.6/91

- sign 1169.864+/-0.160 χ^2/NDF: 5121567.5/47



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

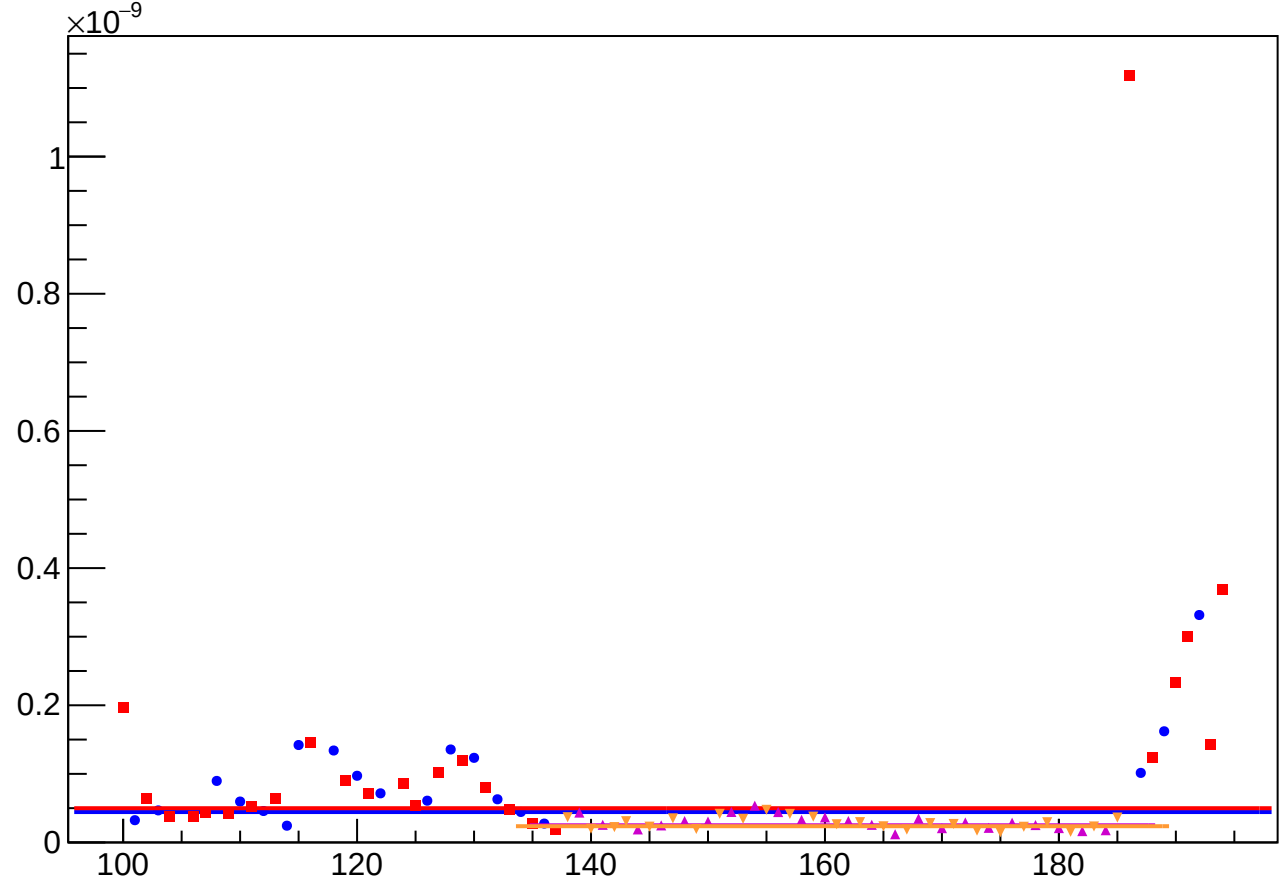
Right Out: 0.000+/-0.000 χ^2/NDF: 10.9/24

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: 89.7/91

- sign -0.000+/-0.000 χ^2/NDF: 38.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 2383956.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

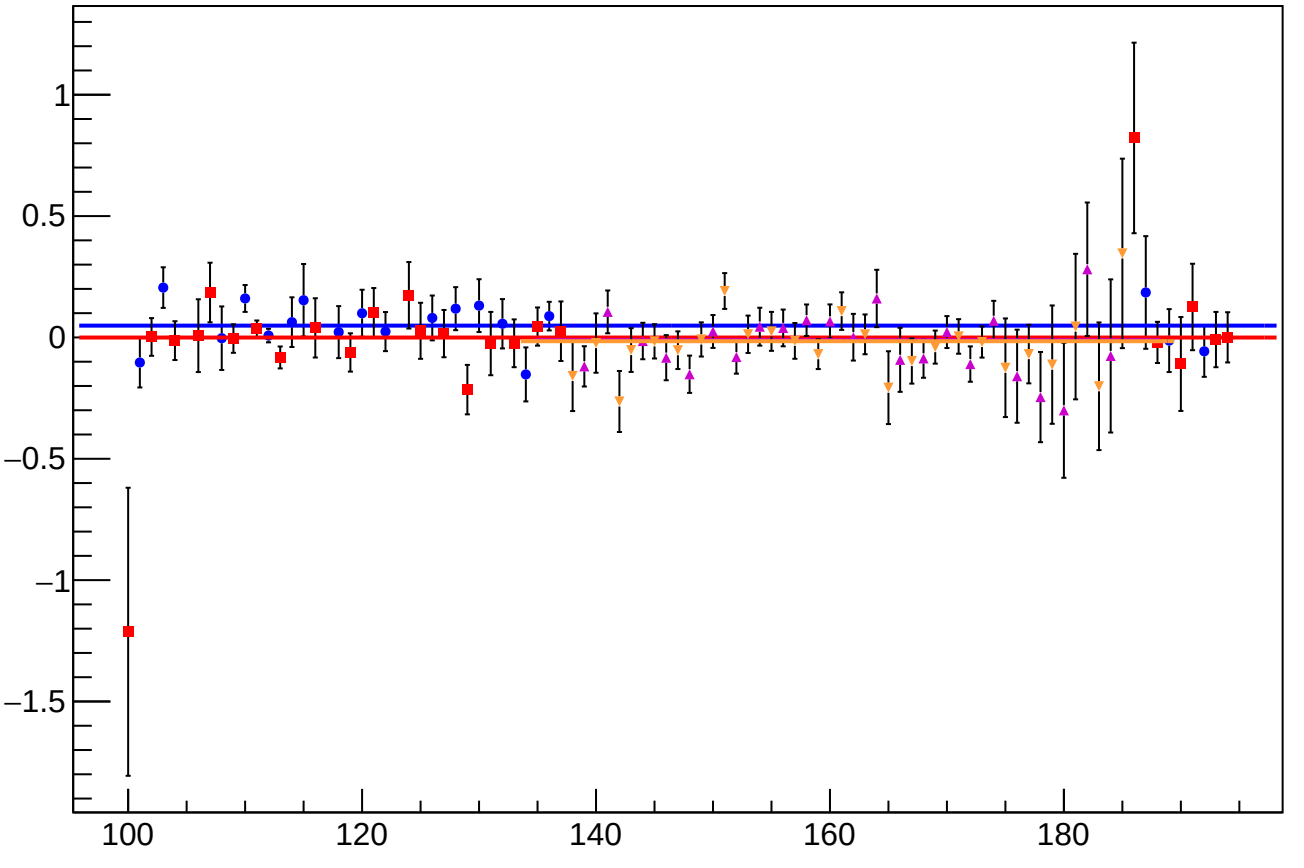
Right Out: 0.000+/-0.000 χ^2/NDF: 2713155.9/24

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 4892502.1/43

All: 0.000+/-0.000 χ^2/NDF: 10565909.0/91

- sign 0.000+/-0.000 χ^2/NDF: 5626120.5/47



Right In: 0.049+/-0.017 χ^2/NDF: 19.6/18

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.000+/-0.017 χ^2/NDF: 24.5/24

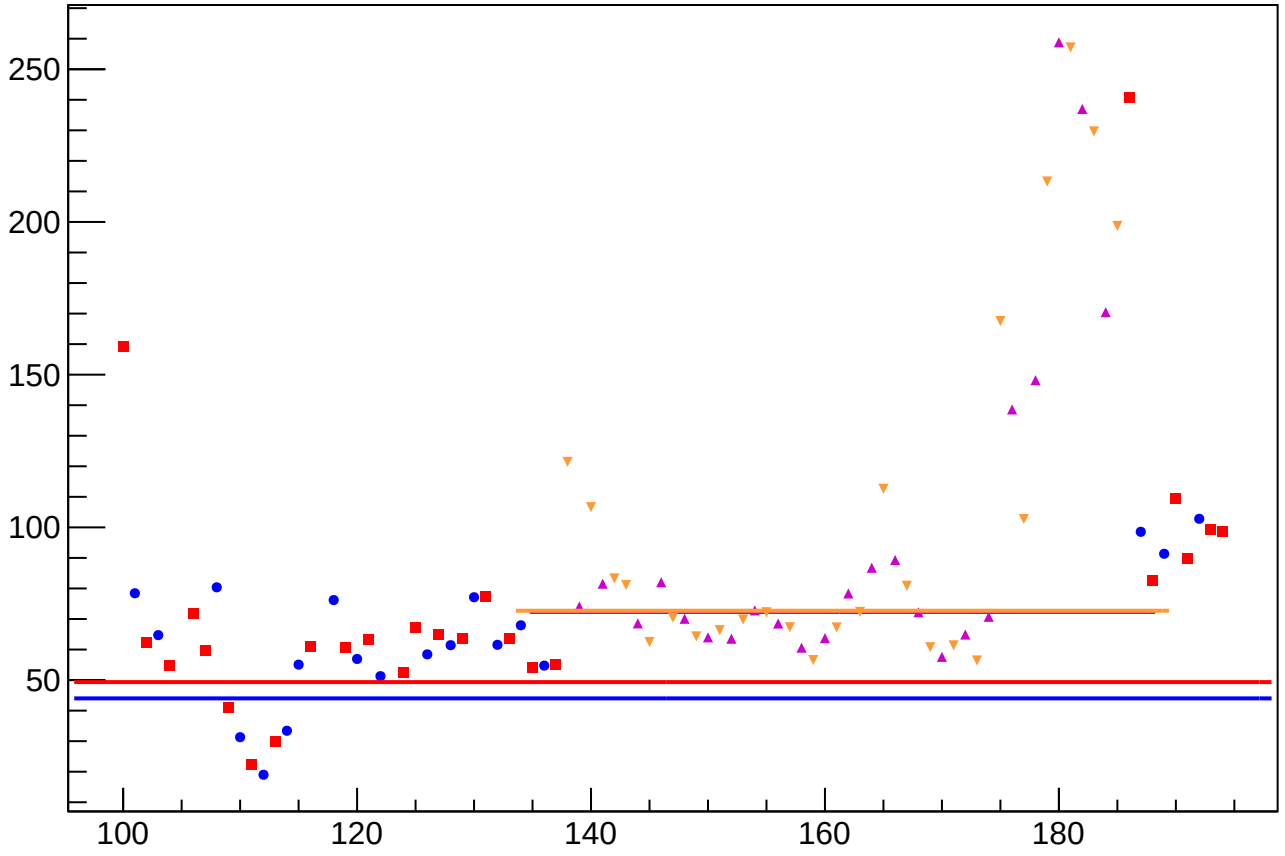
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.8/43

All: 0.006+/-0.009 χ^2/NDF: 97.6/91

- sign -0.005+/-0.012 χ^2/NDF: 48.0/47

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

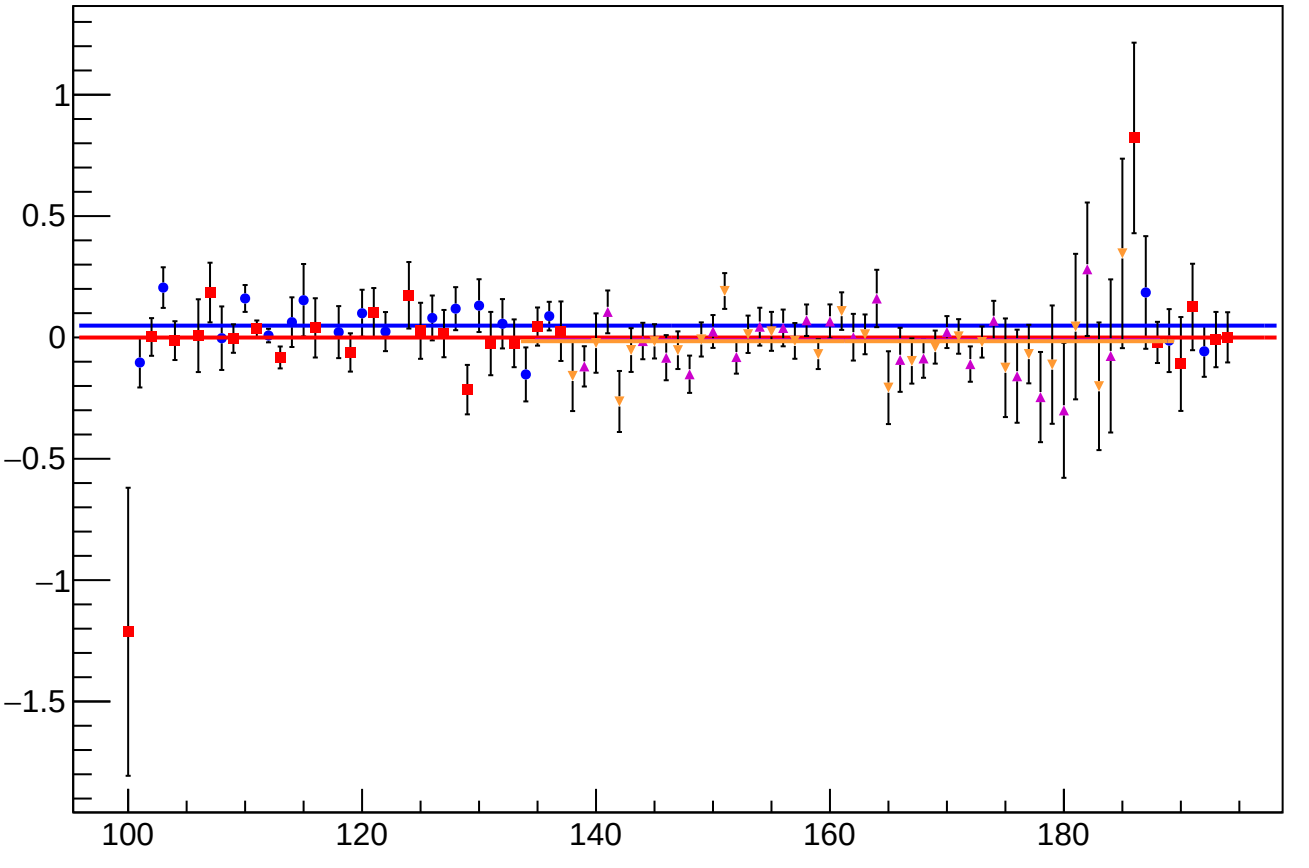
Right Out: 49.340+/-0.012 χ^2/NDF: 4156117.3/24

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 57.838+/-0.009 χ^2/NDF: 10589335.9/43

All: 58.904+/-0.006 χ^2/NDF: 19264536.9/91

- sign 59.961+/-0.009 χ^2/NDF: 8646075.7/47



Right In: 0.049+/-0.017 χ^2/NDF: 19.6/18

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

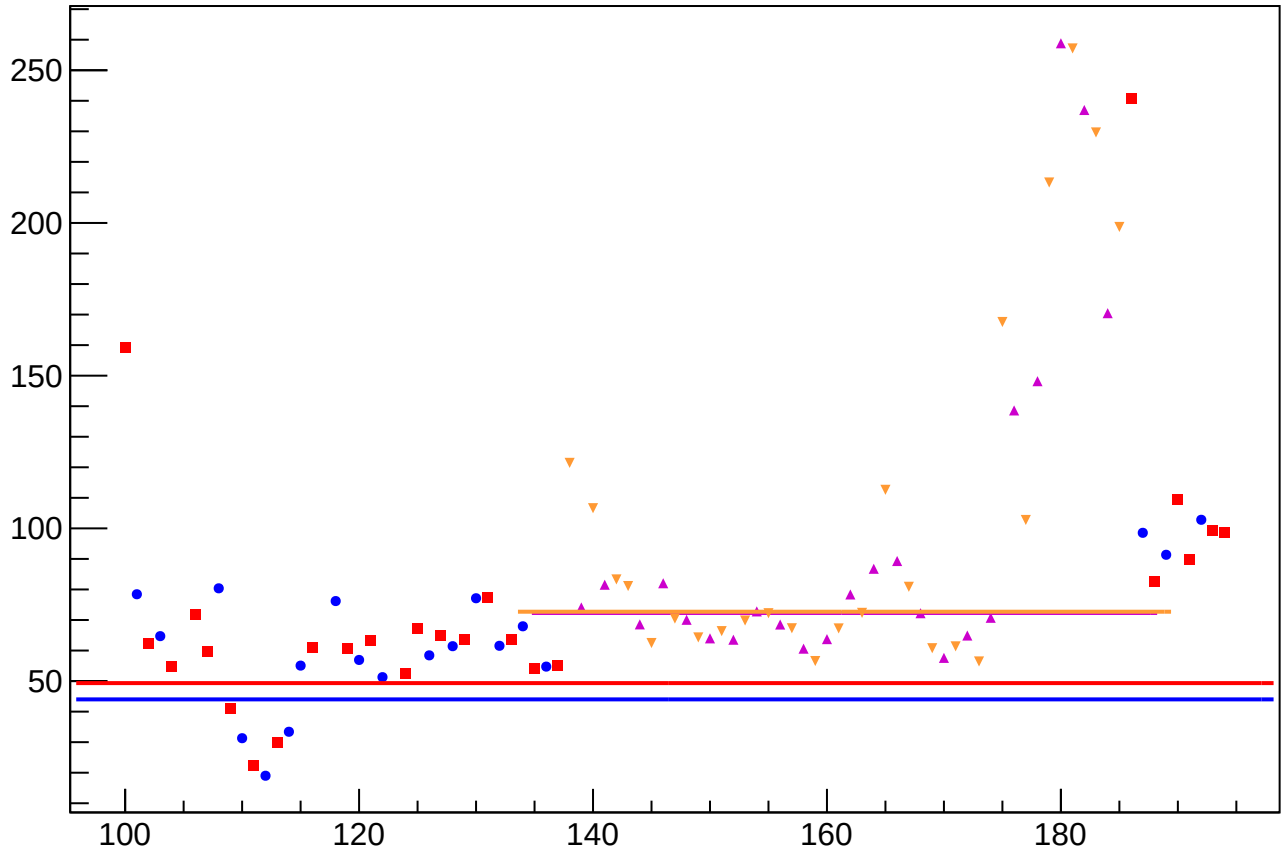
Right Out: -0.000+/-0.017 χ^2/NDF: 24.5/24

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.8/43

All: 0.006+/-0.009 χ^2/NDF: 97.6/91

- sign -0.005+/-0.012 χ^2/NDF: 48.0/47



Right In: 44.009+/-0.012 χ^2/NDF: 3980590.7/18

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

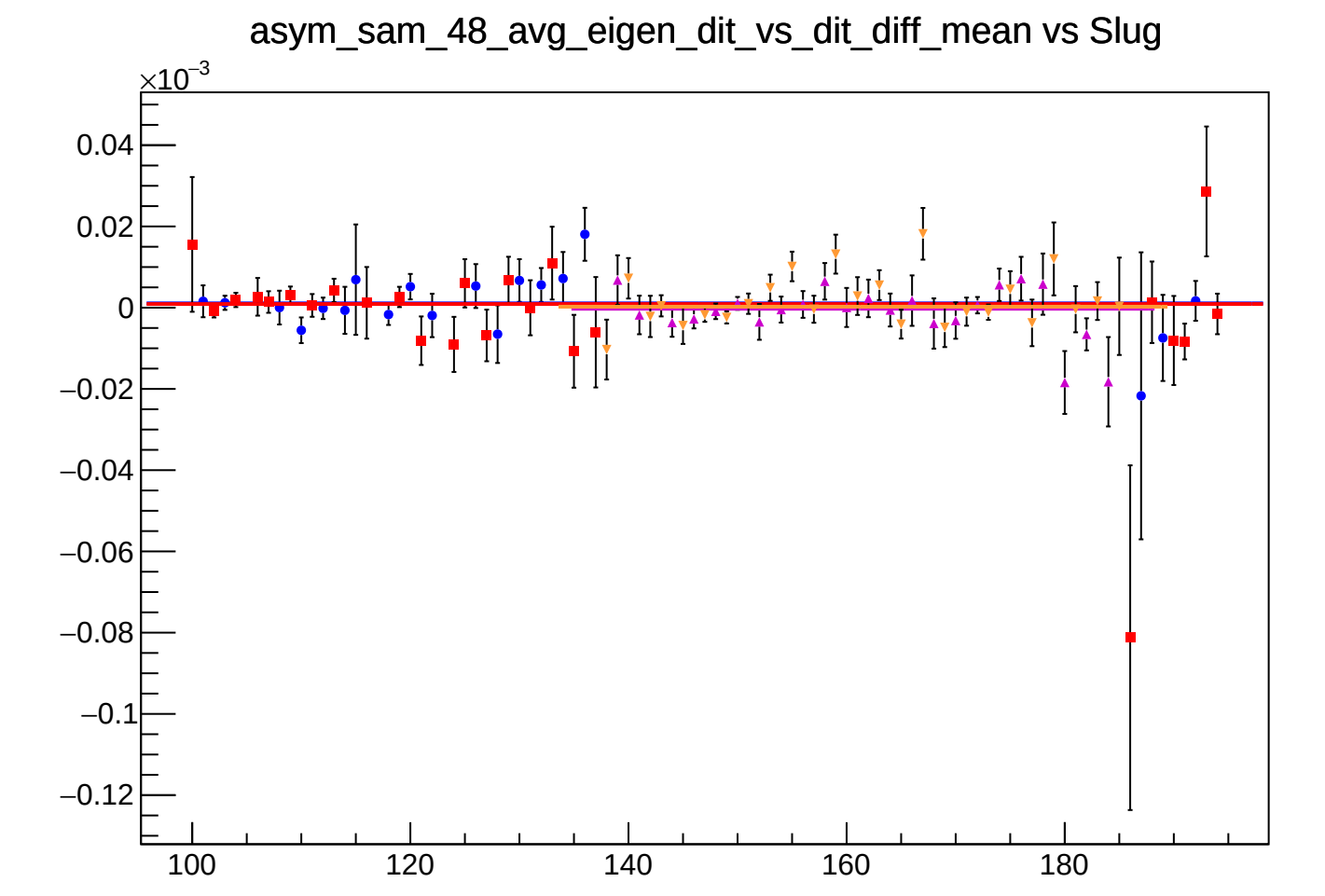
Right Out: 49.340+/-0.012 χ^2/NDF: 4156117.3/24

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 57.838+/-0.009 χ^2/NDF: 10589335.9/43

All: 58.904+/-0.006 χ^2/NDF: 19264536.9/91

- sign 59.961+/-0.009 χ^2/NDF: 8646075.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.2/24

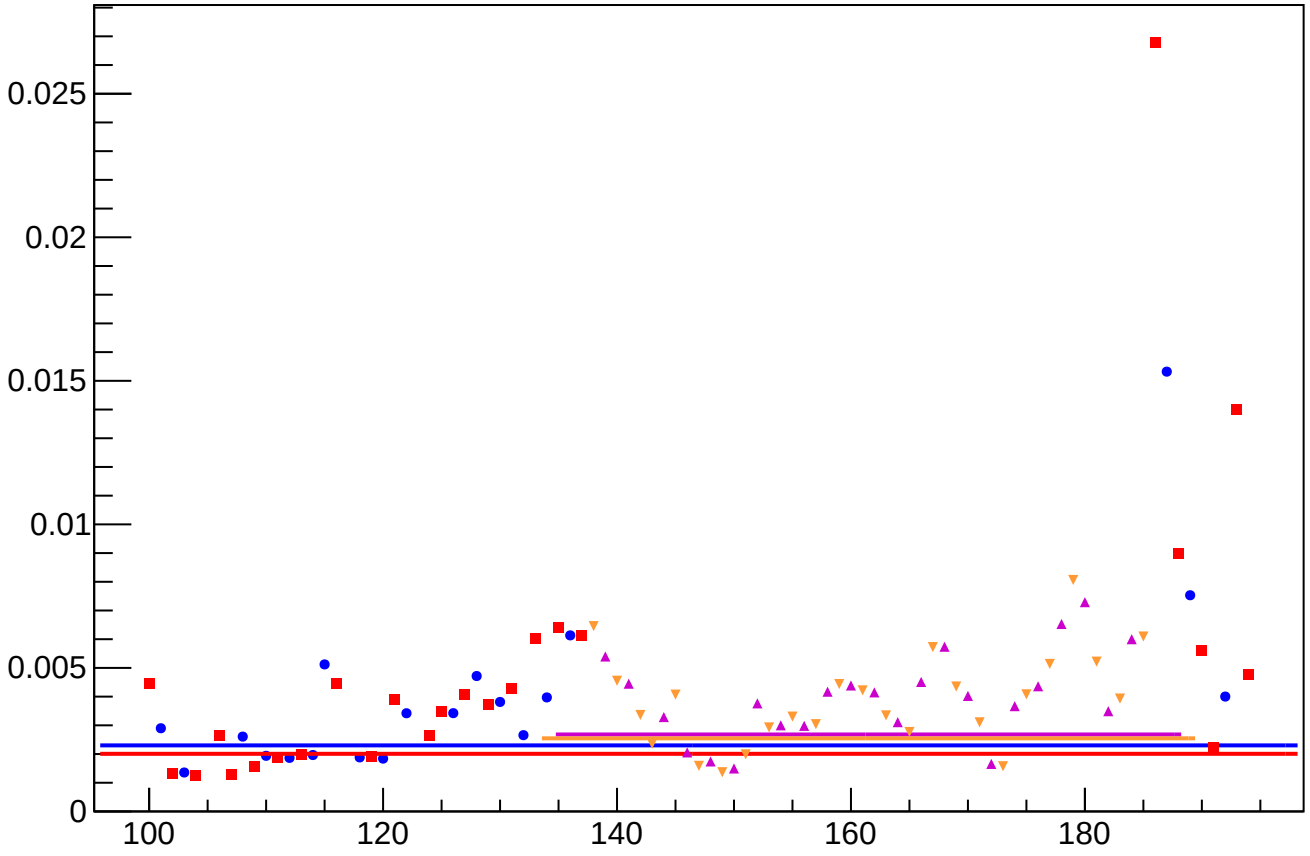
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.9/43

All: 0.000+/-0.000 χ^2/NDF: 118.5/91

- sign 0.000+/-0.000 χ^2/NDF: 53.5/47

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3318591.1/18

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

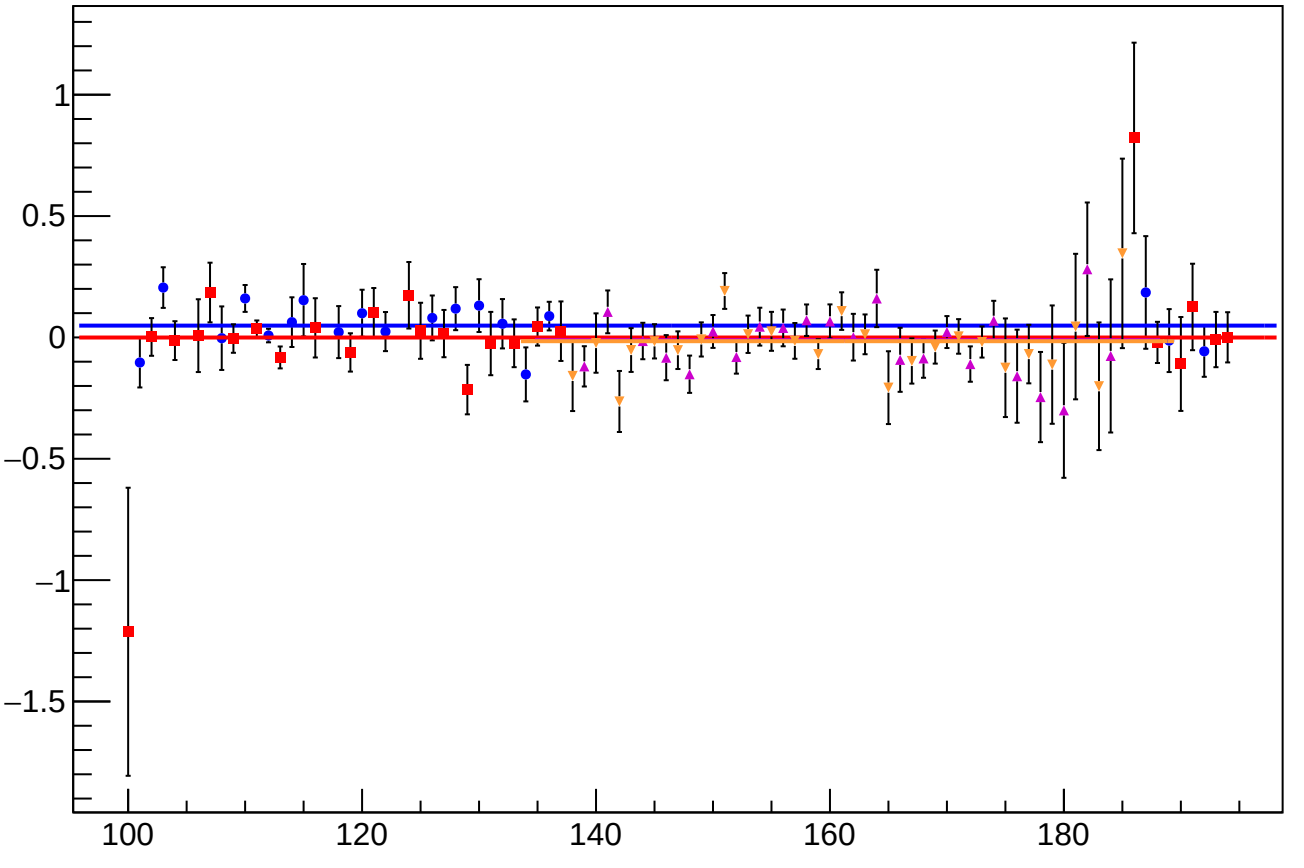
Right Out: 0.002+/-0.000 χ^2/NDF: 6833902.0/24

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 10917359.2/43

All: 0.002+/-0.000 χ^2/NDF: 25160493.9/91

- sign 0.002+/-0.000 χ^2/NDF: 14205195.9/47



Right In: 0.049+/-0.017 χ^2/NDF: 19.6/18

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.000+/-0.017 χ^2/NDF: 24.5/24

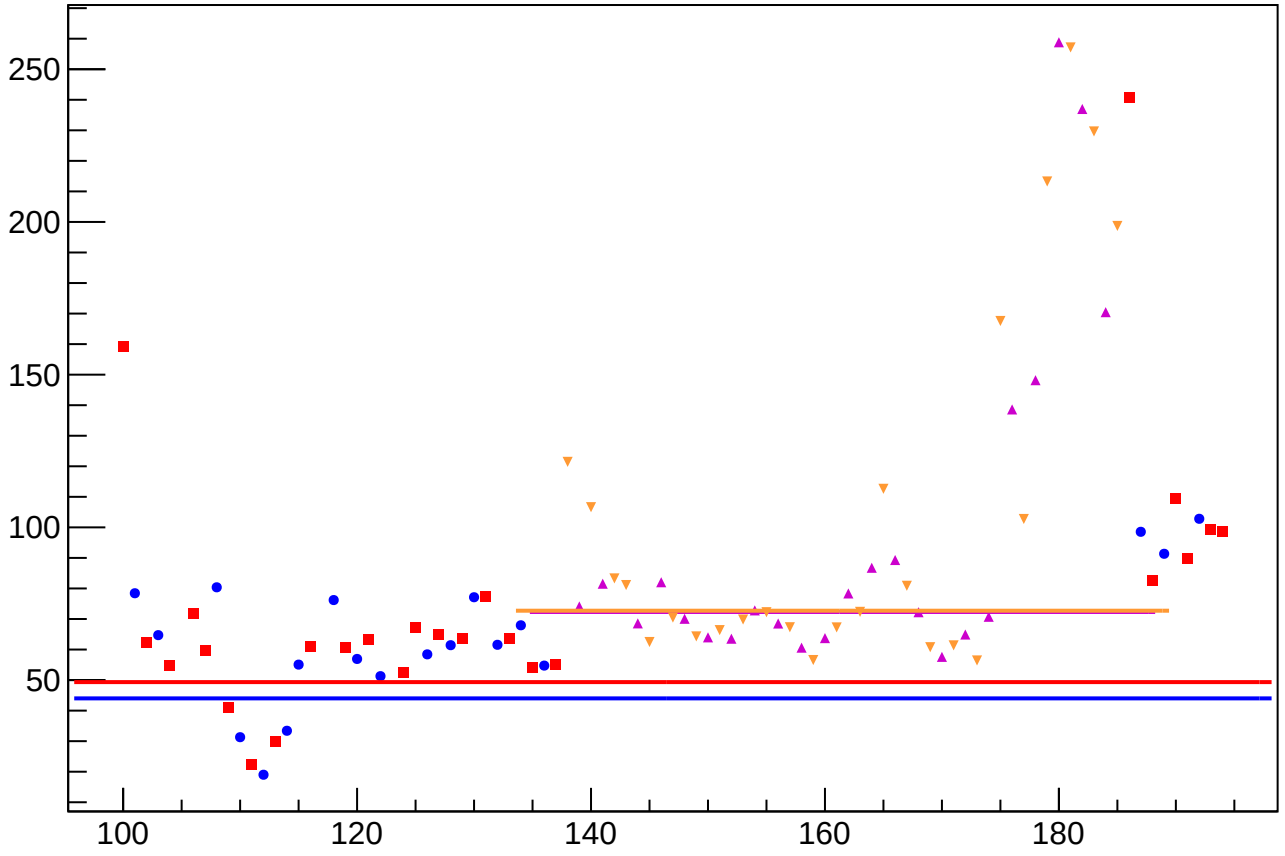
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.8/43

All: 0.006+/-0.009 χ^2/NDF: 97.6/91

- sign -0.005+/-0.012 χ^2/NDF: 48.0/47

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

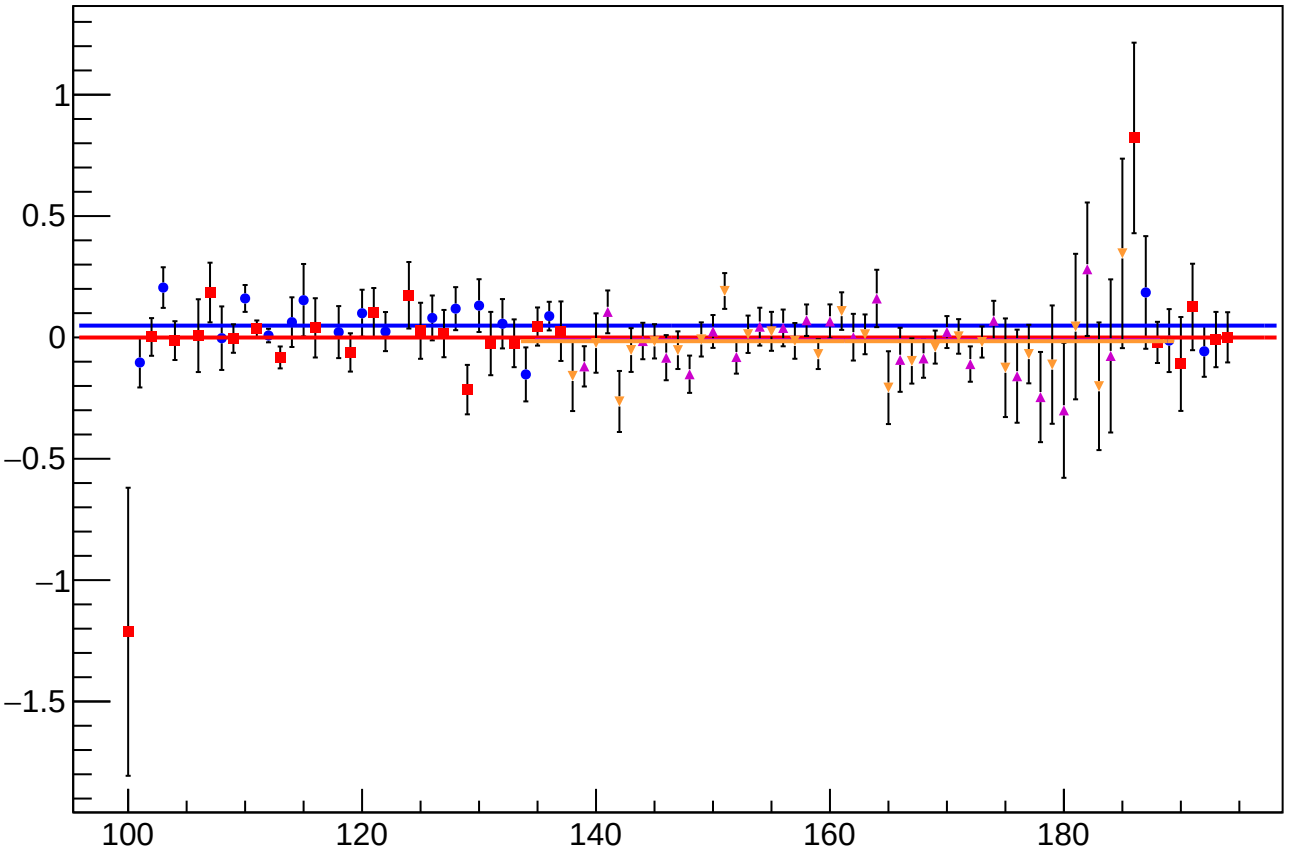
Right Out: 49.339+/-0.012 χ^2/NDF: 4156340.1/24

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 57.837+/-0.009 χ^2/NDF: 10589753.7/43

All: 58.903+/-0.006 χ^2/NDF: 19265342.8/91

- sign 59.961+/-0.009 χ^2/NDF: 8646461.3/47



Right In: 0.049+/-0.017 χ^2/NDF: 19.6/18

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

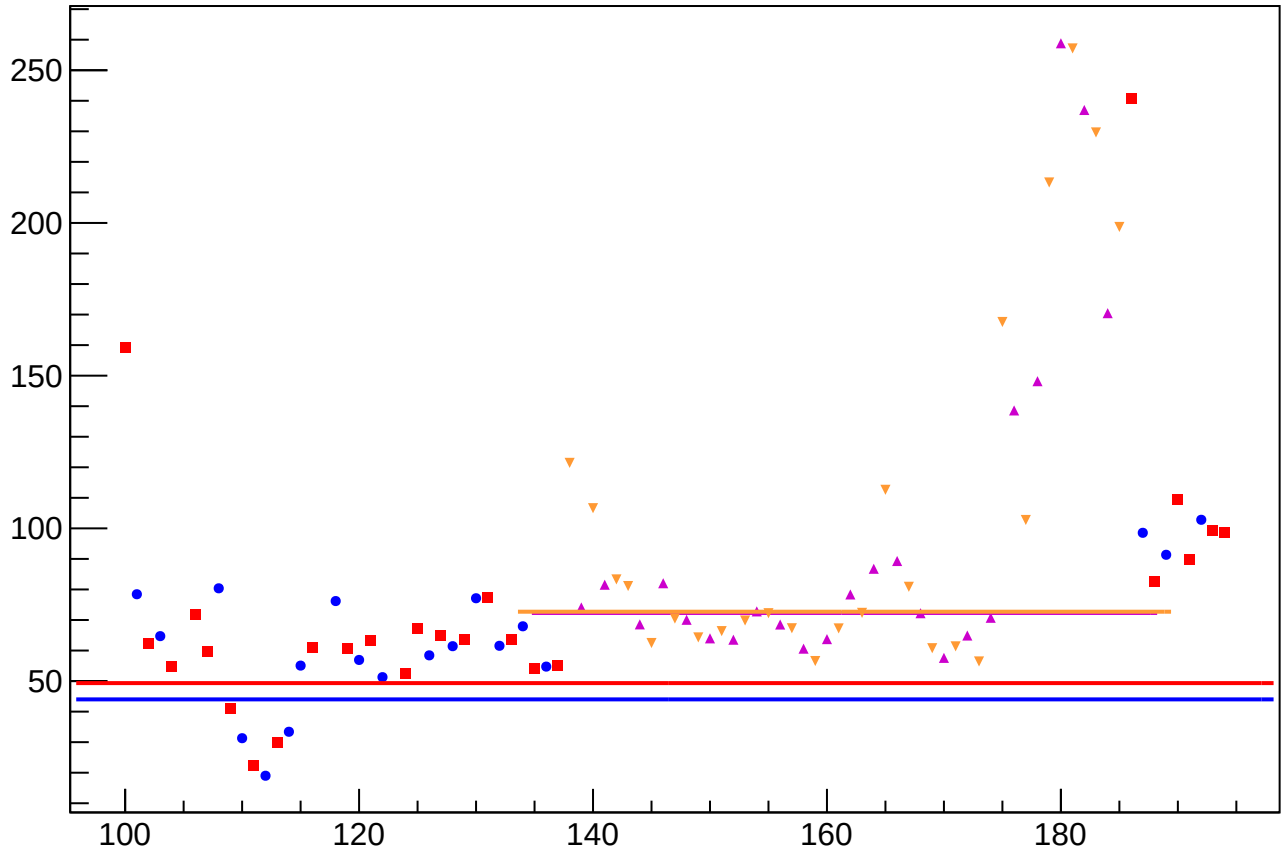
Right Out: -0.000+/-0.017 χ^2/NDF: 24.5/24

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.018+/-0.012 χ^2/NDF: 47.8/43

All: 0.006+/-0.009 χ^2/NDF: 97.6/91

- sign -0.005+/-0.012 χ^2/NDF: 48.0/47



Right In: 44.008+/-0.012 χ^2/NDF: 3980760.4/18

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

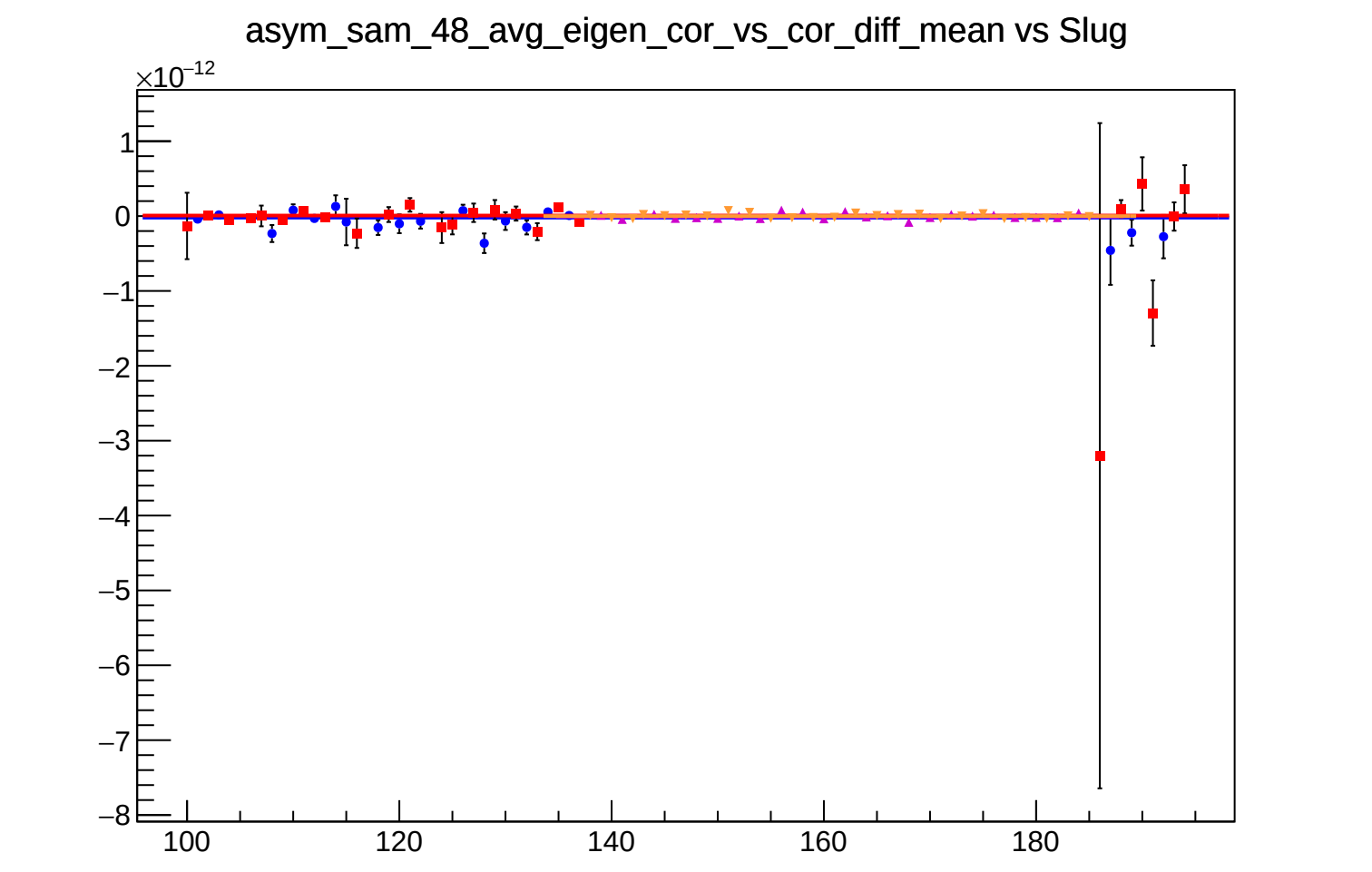
Right Out: 49.339+/-0.012 χ^2/NDF: 4156340.1/24

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 57.837+/-0.009 χ^2/NDF: 10589753.7/43

All: 58.903+/-0.006 χ^2/NDF: 19265342.8/91

- sign 59.961+/-0.009 χ^2/NDF: 8646461.3/47



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

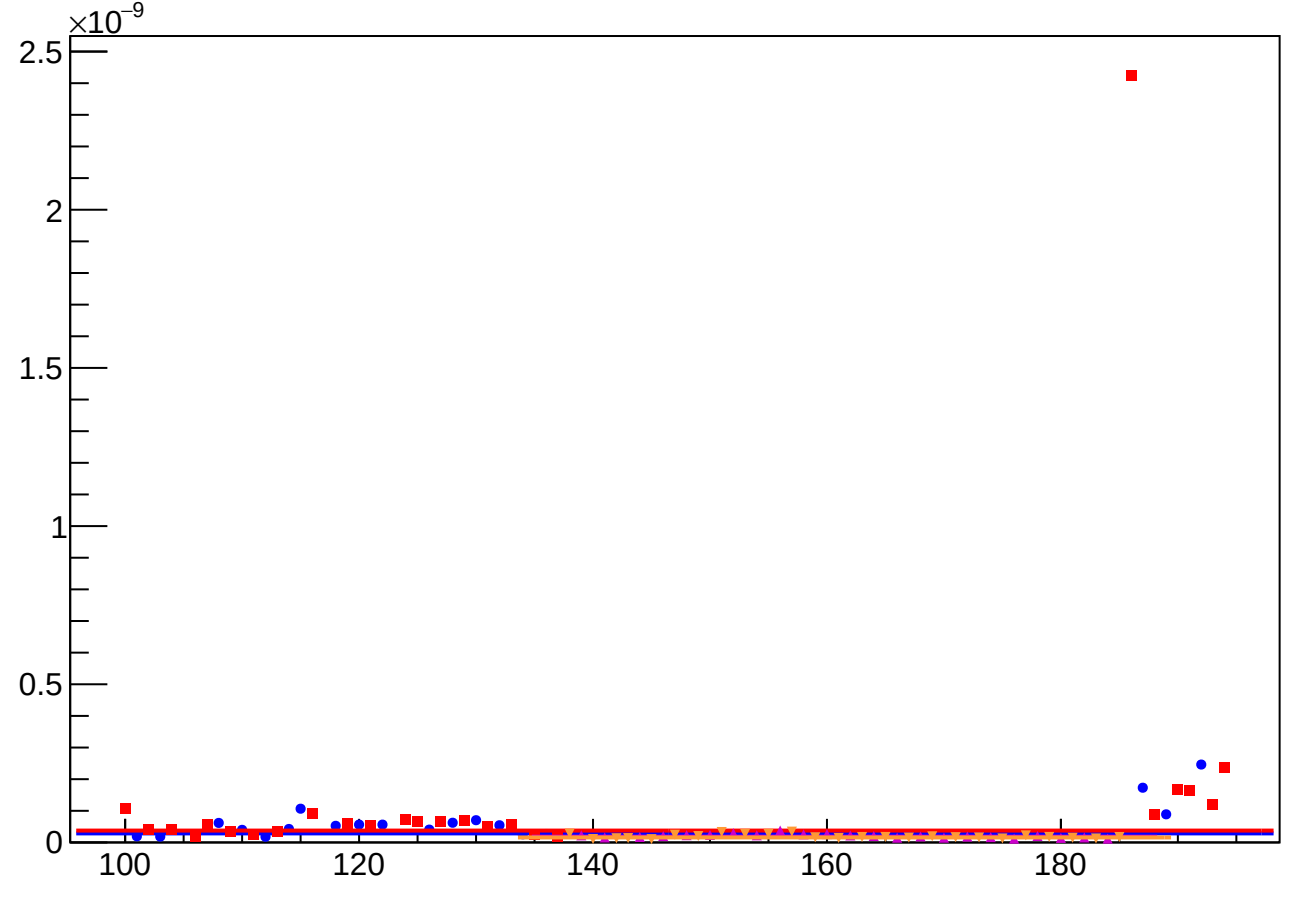
Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/24

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.7/43

All: -0.000+/-0.000 χ^2/NDF: 130.5/91

- sign -0.000+/-0.000 χ^2/NDF: 74.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 3383526.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4256456.8/24

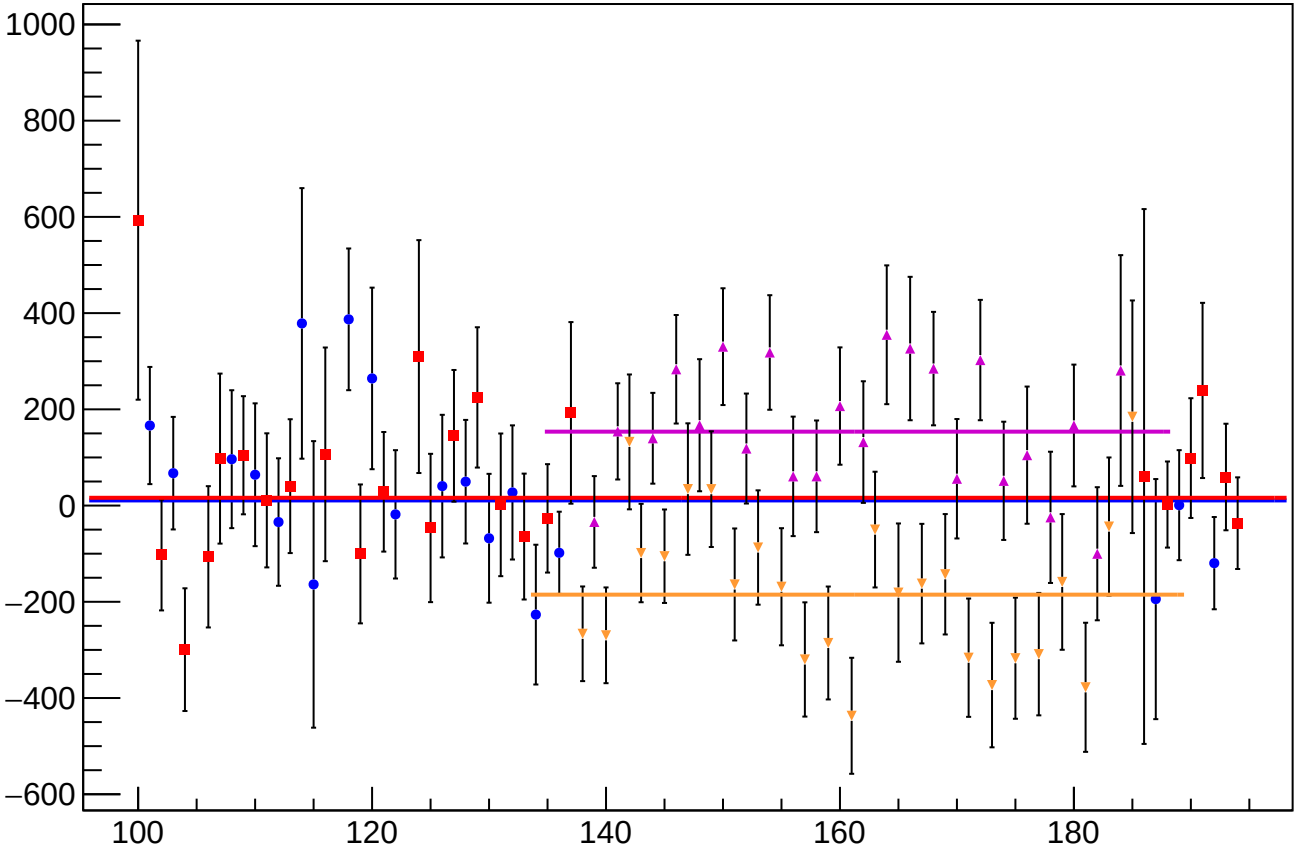
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7154558.6/43

All: 0.000+/-0.000 χ^2/NDF: 15949721.8/91

- sign 0.000+/-0.000 χ^2/NDF: 8406919.2/47

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: 16.177+/-27.629 χ^2/NDF: 20.3/24

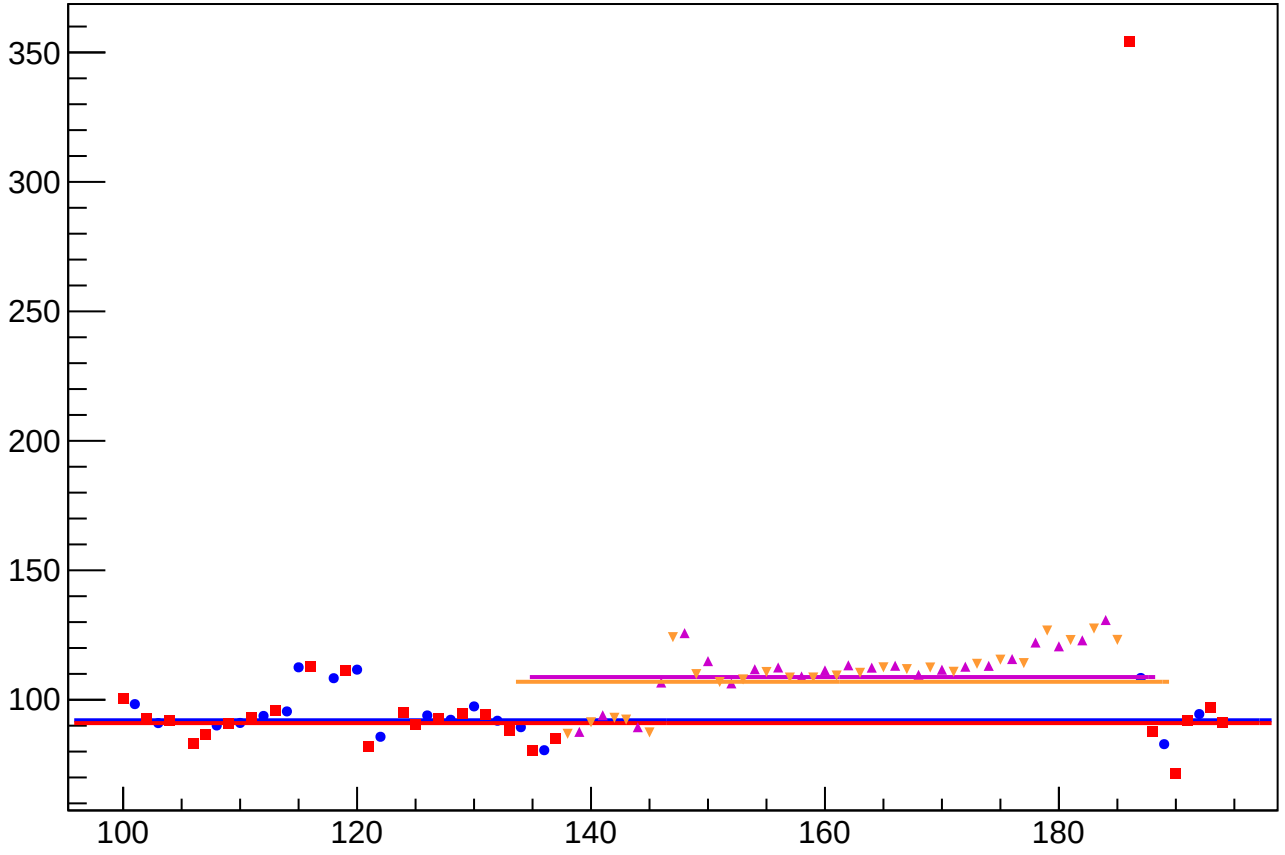
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -109.840+/-19.183 χ^2/NDF: 77.9/43

All: -7.505+/-13.410 χ^2/NDF: 190.7/91

- sign 90.298+/-18.754 χ^2/NDF: 57.1/47

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: 90.992+/-0.020 χ^2/NDF: 611095.1/24

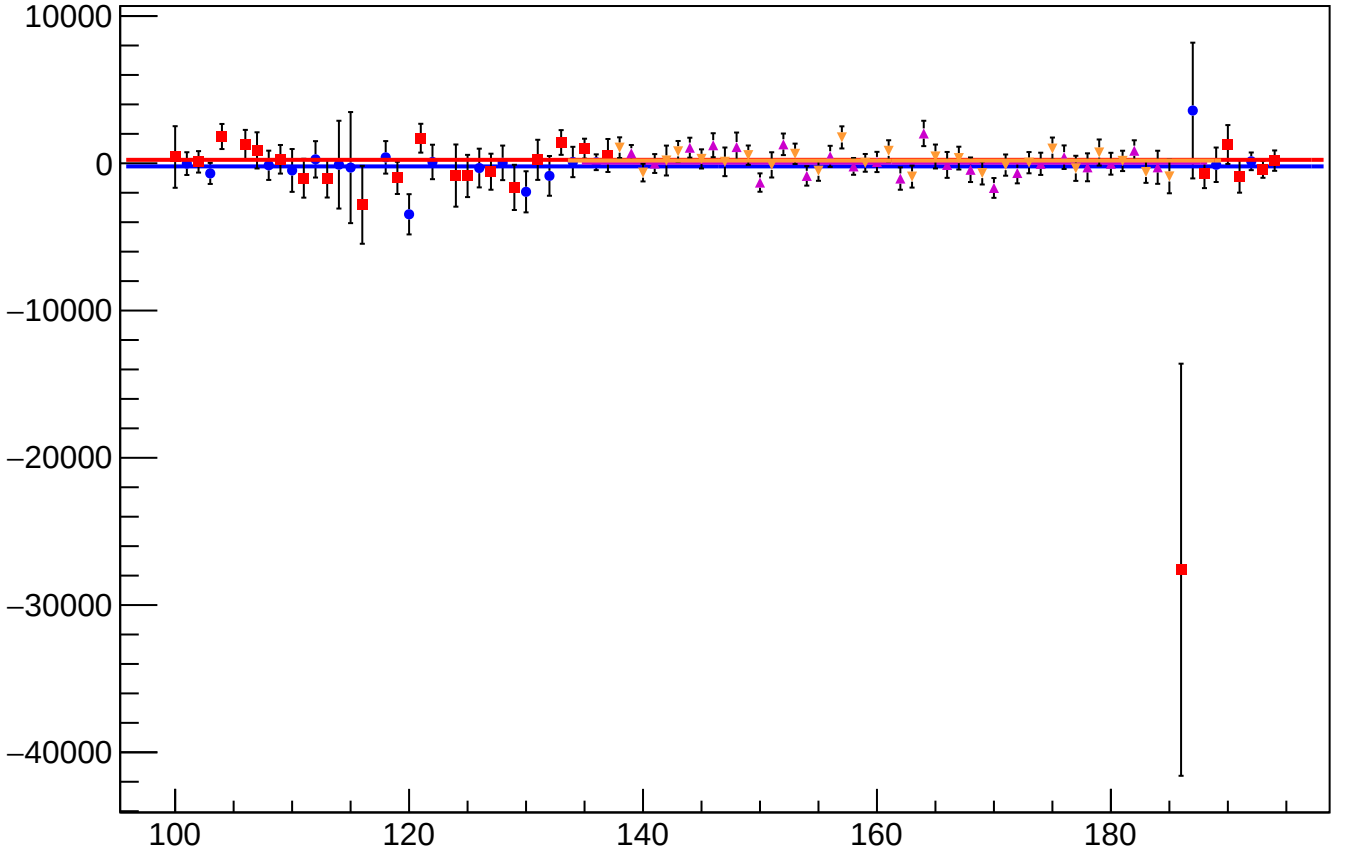
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 101.237+/-0.014 χ^2/NDF: 878556.9/43

All: 100.903+/-0.009 χ^2/NDF: 2296355.6/91

- sign 100.585+/-0.013 χ^2/NDF: 1416616.6/47

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: 235.563+/-205.162 χ^2/NDF: 25.5/24

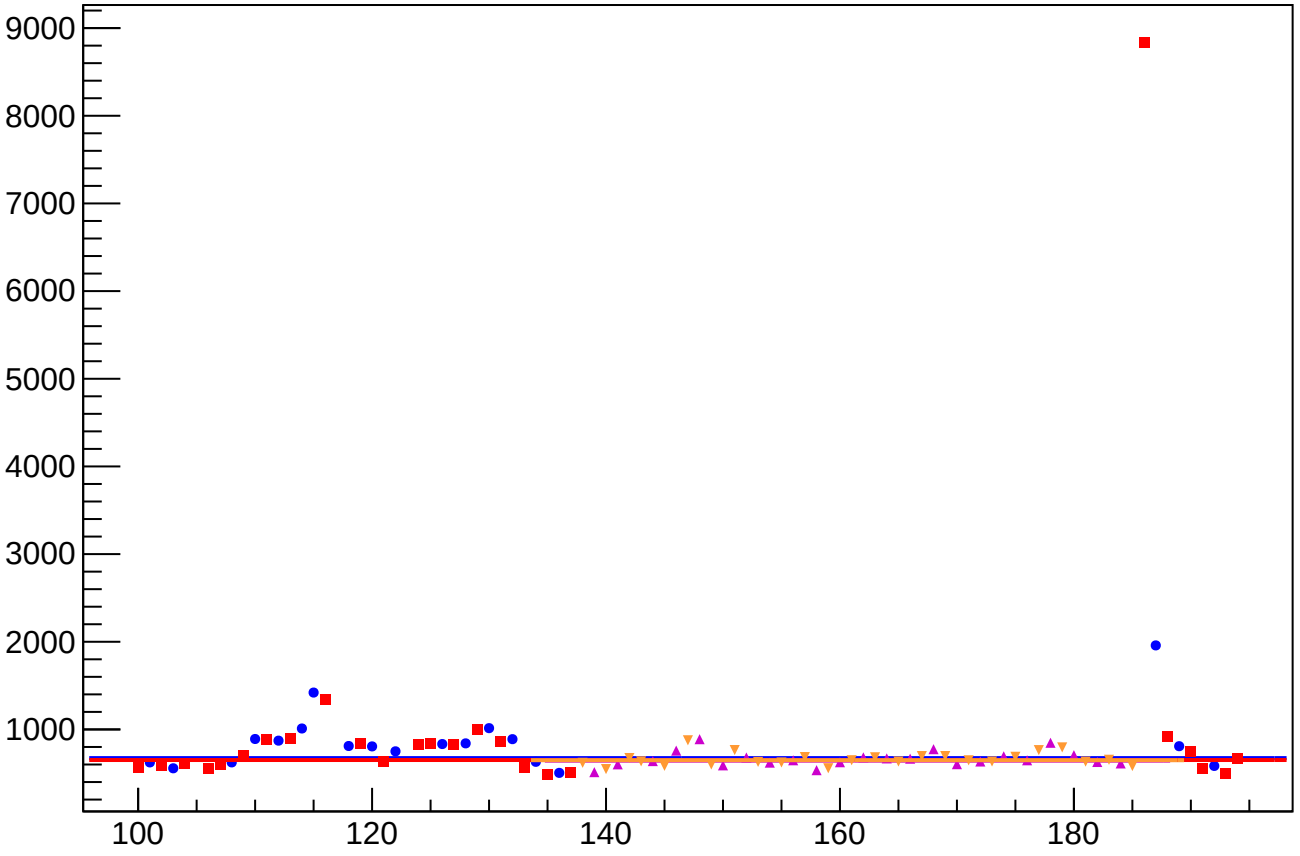
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 71.572+/-125.452 χ^2/NDF: 31.0/43

All: 92.033+/-87.522 χ^2/NDF: 90.9/91

- sign 111.435+/-122.163 χ^2/NDF: 59.8/47

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: 651.262+/-0.145 χ^2/NDF: 1796763.5/24

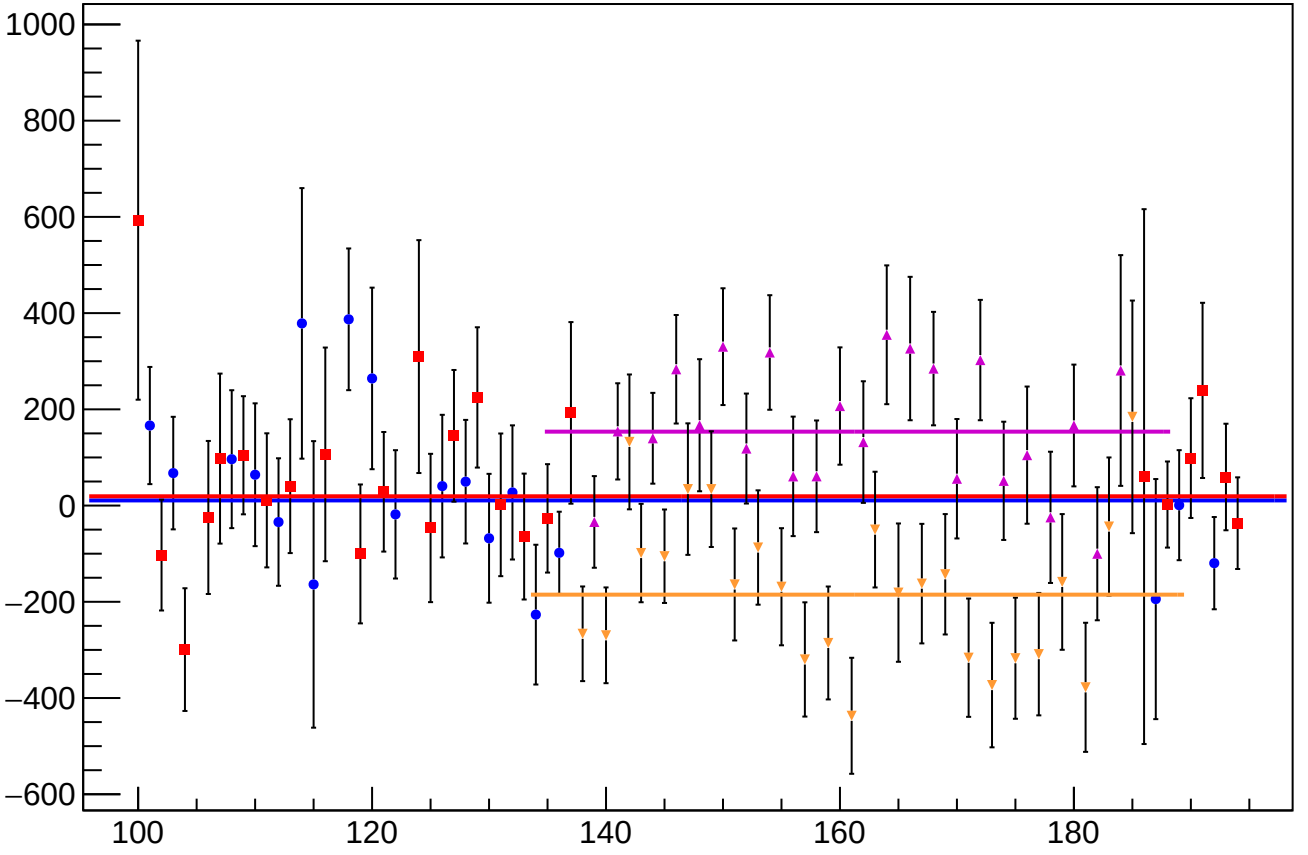
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 656.090+/-0.089 χ^2/NDF: 1429035.9/43

All: 651.230+/-0.062 χ^2/NDF: 3792352.2/91

- sign 646.621+/-0.086 χ^2/NDF: 2357468.6/47

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: 19.299+/-27.701 χ^2/NDF: 19.6/24

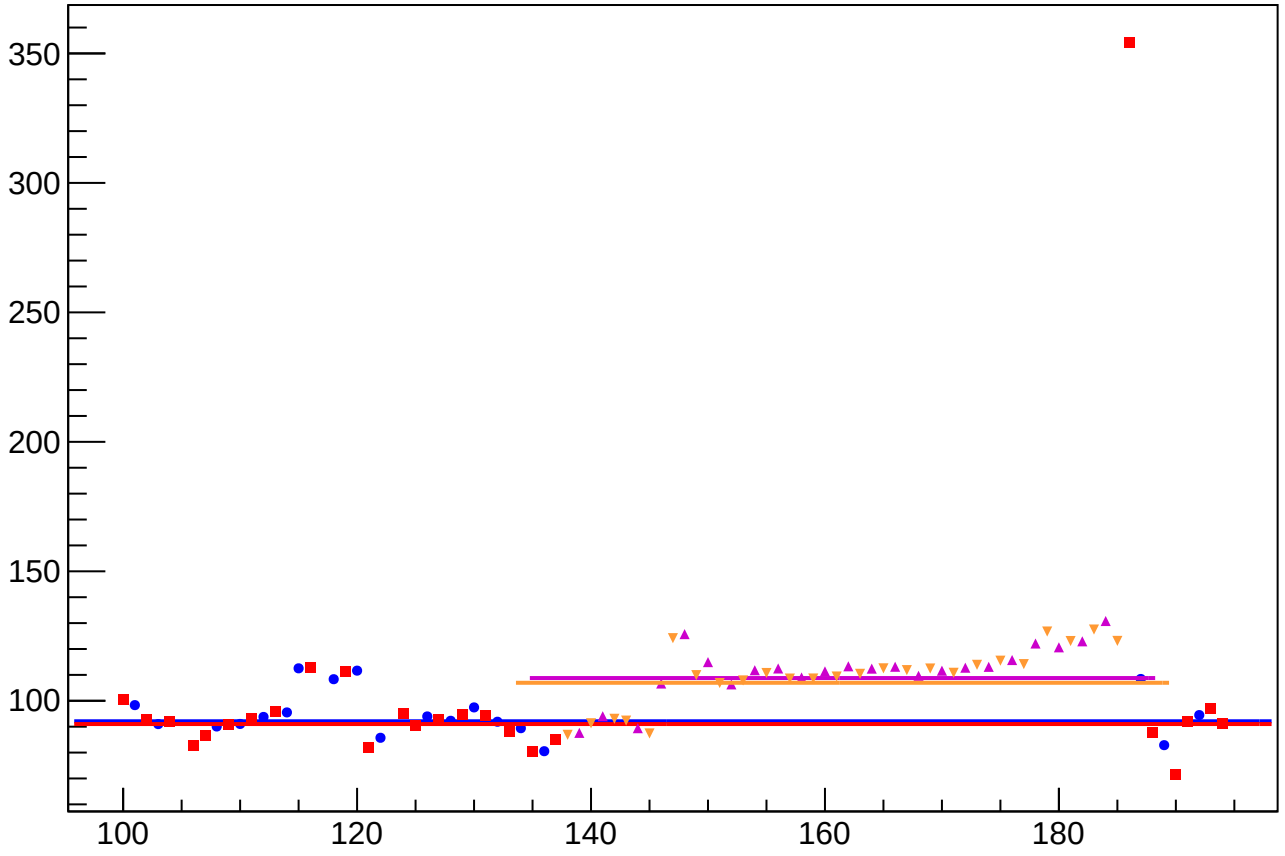
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -109.837+/-19.183 χ^2/NDF: 78.0/43

All: -6.799+/-13.418 χ^2/NDF: 190.3/91

- sign 91.915+/-18.776 χ^2/NDF: 55.9/47

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: 91.017+/-0.020 χ^2/NDF: 610957.6/24

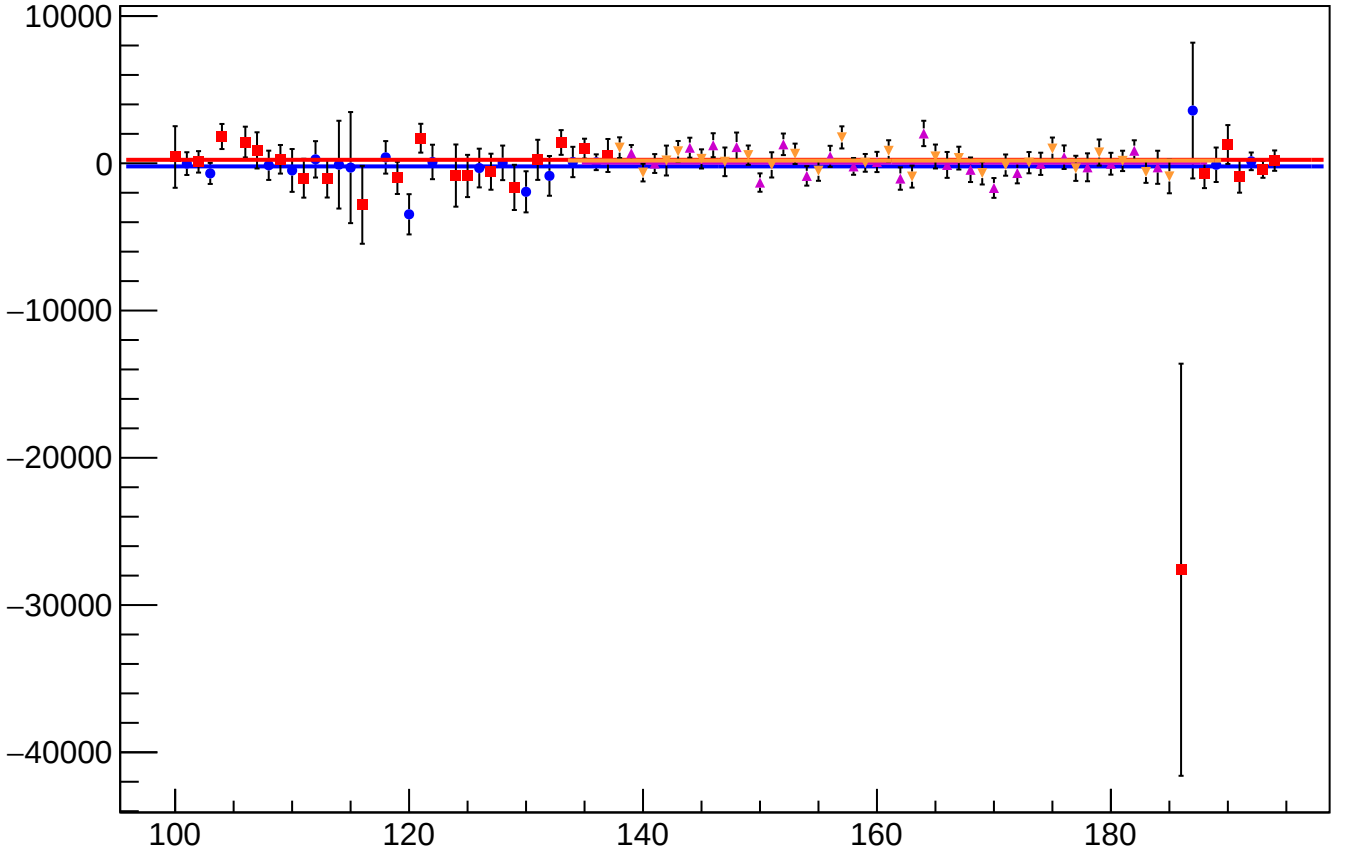
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 101.237+/-0.014 χ^2/NDF: 878556.8/43

All: 100.921+/-0.009 χ^2/NDF: 2293601.5/91

\- sign 100.619+/-0.013 χ^2/NDF: 1413985.4/47

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: 237.117+/-205.625 χ^2/NDF: 25.7/24

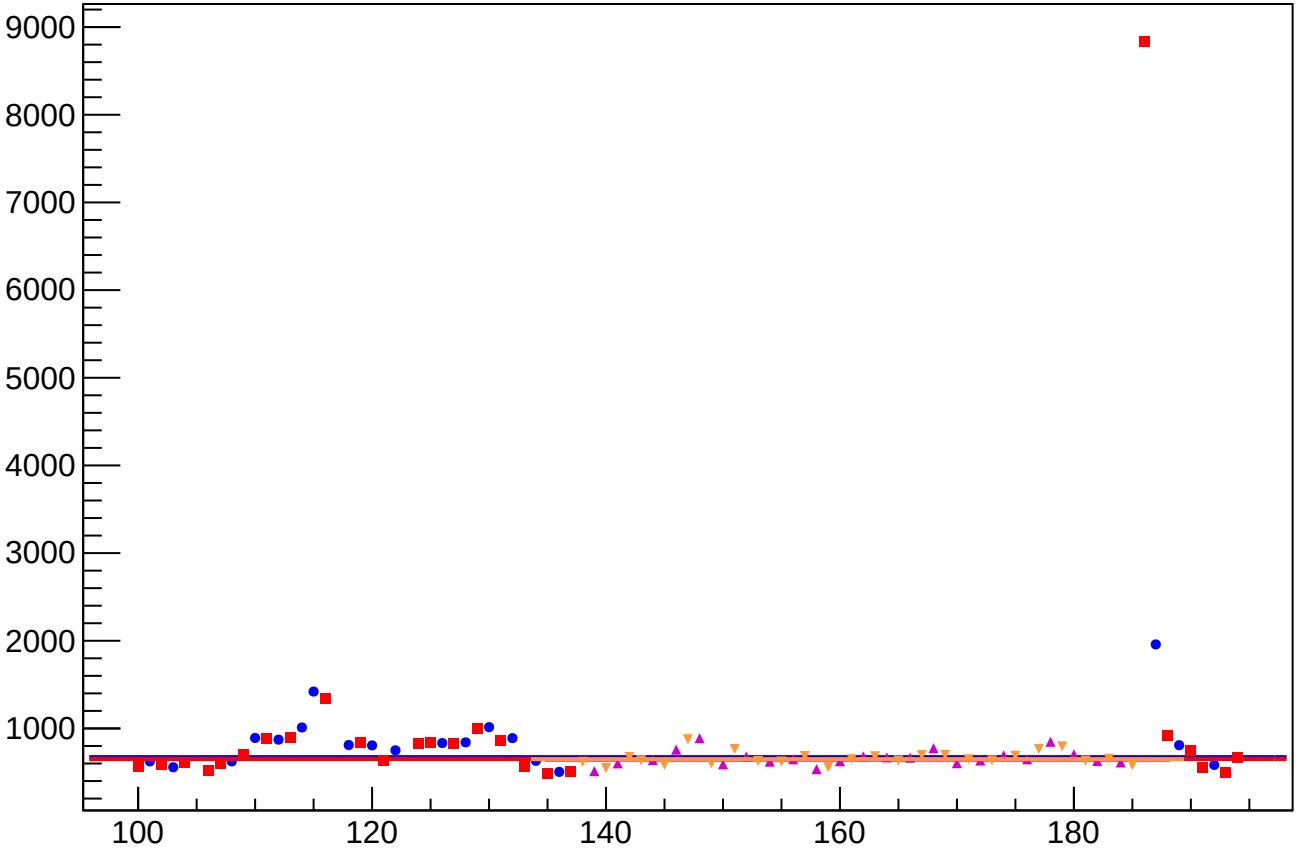
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 71.568+/-125.452 χ^2/NDF: 31.0/43

All: 92.196+/-87.558 χ^2/NDF: 91.1/91

- sign 111.788+/-122.261 χ^2/NDF: 60.0/47

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: 650.634+/-0.145 χ^2/NDF: 1806335.0/24

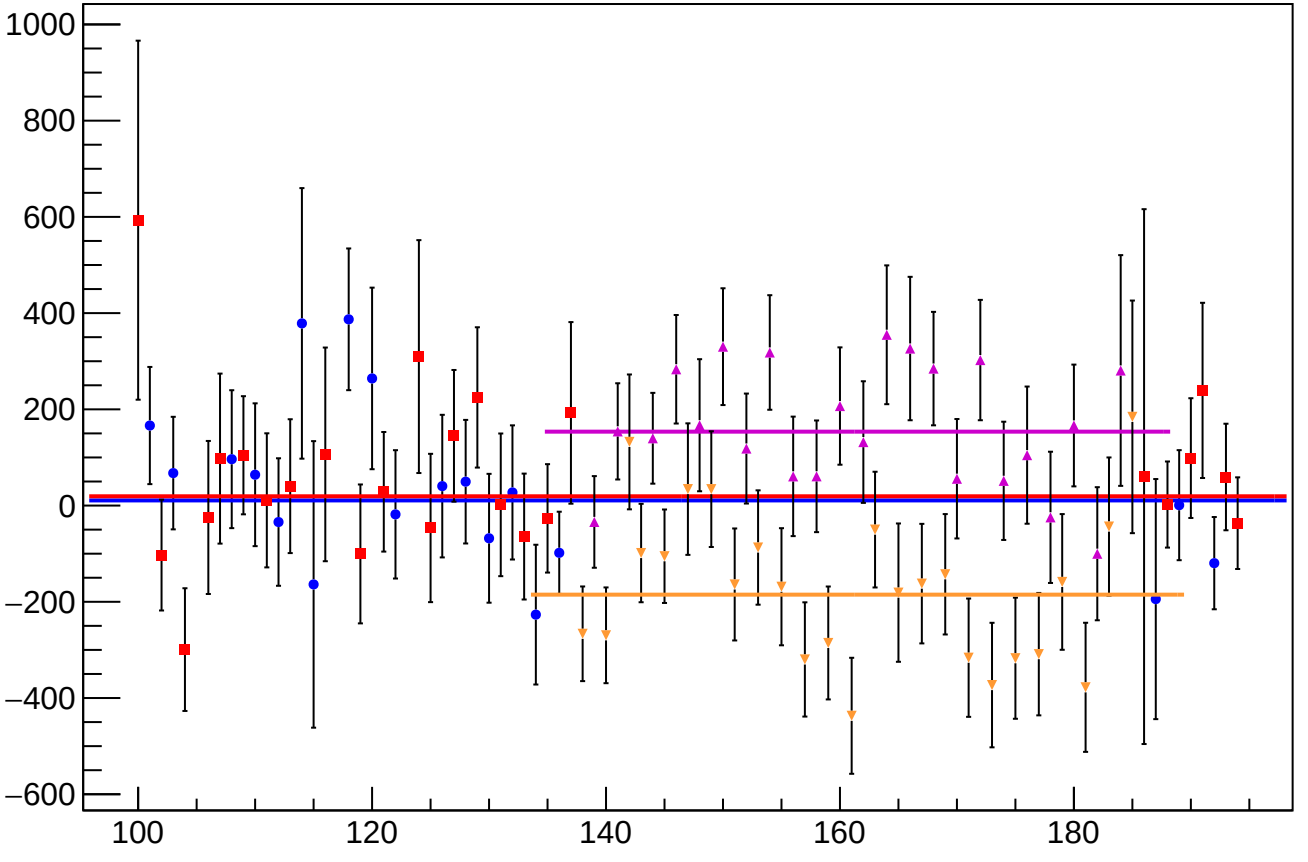
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 656.090+/-0.089 χ^2/NDF: 1429037.0/43

All: 651.116+/-0.062 χ^2/NDF: 3801939.3/91

- sign 646.392+/-0.086 χ^2/NDF: 2366772.8/47

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: 19.299+/-27.701 χ^2/NDF: 19.6/24

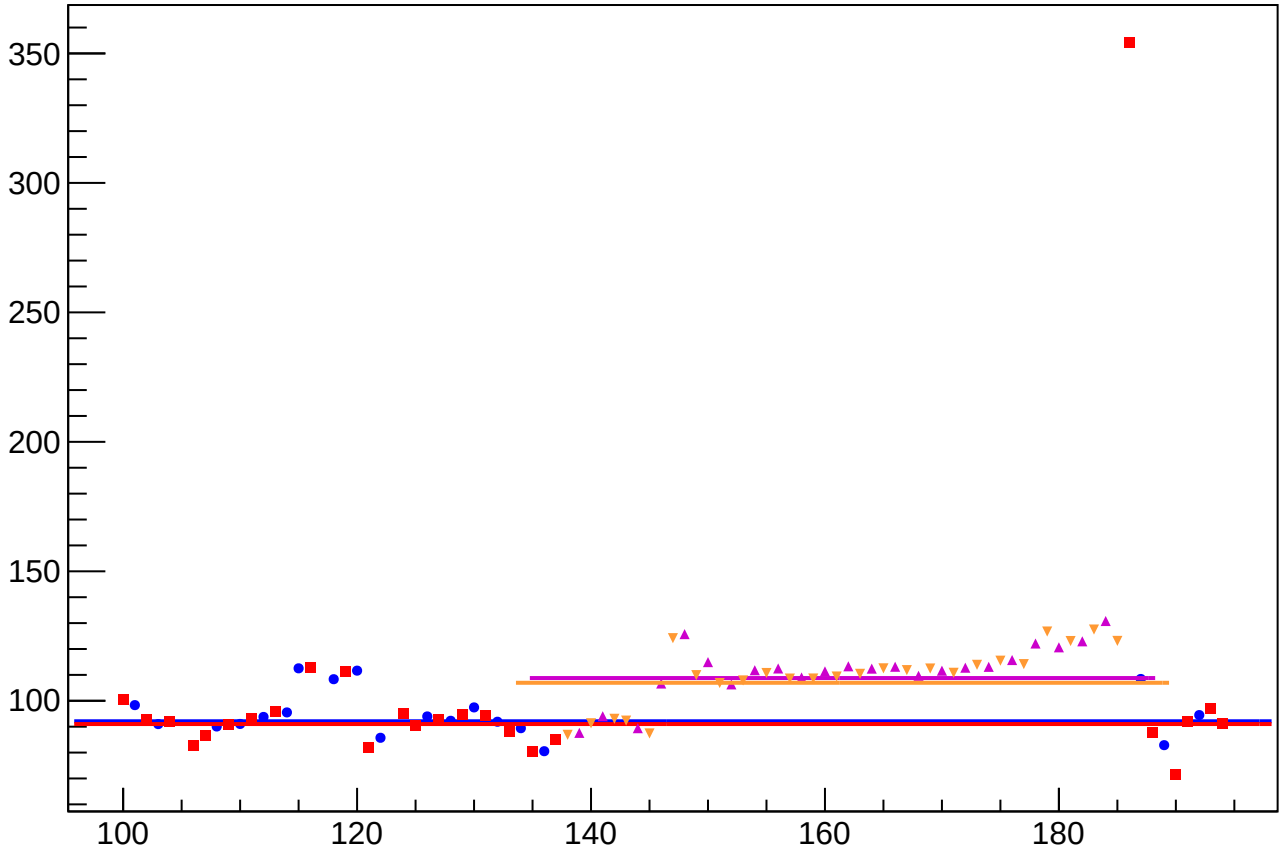
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -109.837+/-19.183 χ^2/NDF: 78.0/43

All: -6.799+/-13.418 χ^2/NDF: 190.3/91

- sign 91.915+/-18.776 χ^2/NDF: 55.9/47

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

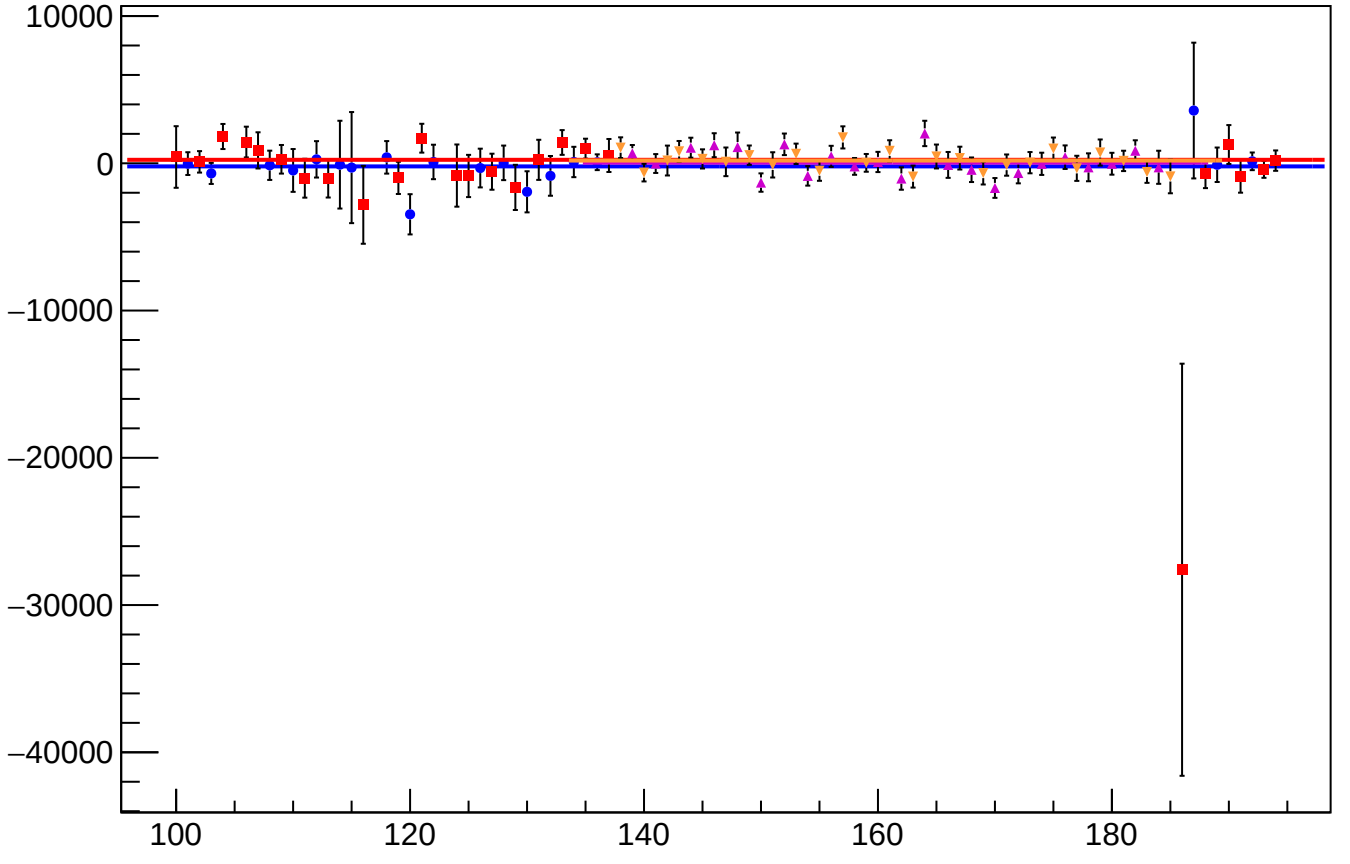
Right Out: 91.017+/-0.020 χ^2/NDF: 610957.6/24

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 101.237+/-0.014 χ^2/NDF: 878556.8/43

All: 100.921+/-0.009 χ^2/NDF: 2293601.5/91

- sign 100.619+/-0.013 χ^2/NDF: 1413985.4/47



Right In: -210.545+/-233.209 χ^2/NDF: 9.9/18

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 237.117+/-205.625 χ^2/NDF: 25.7/24

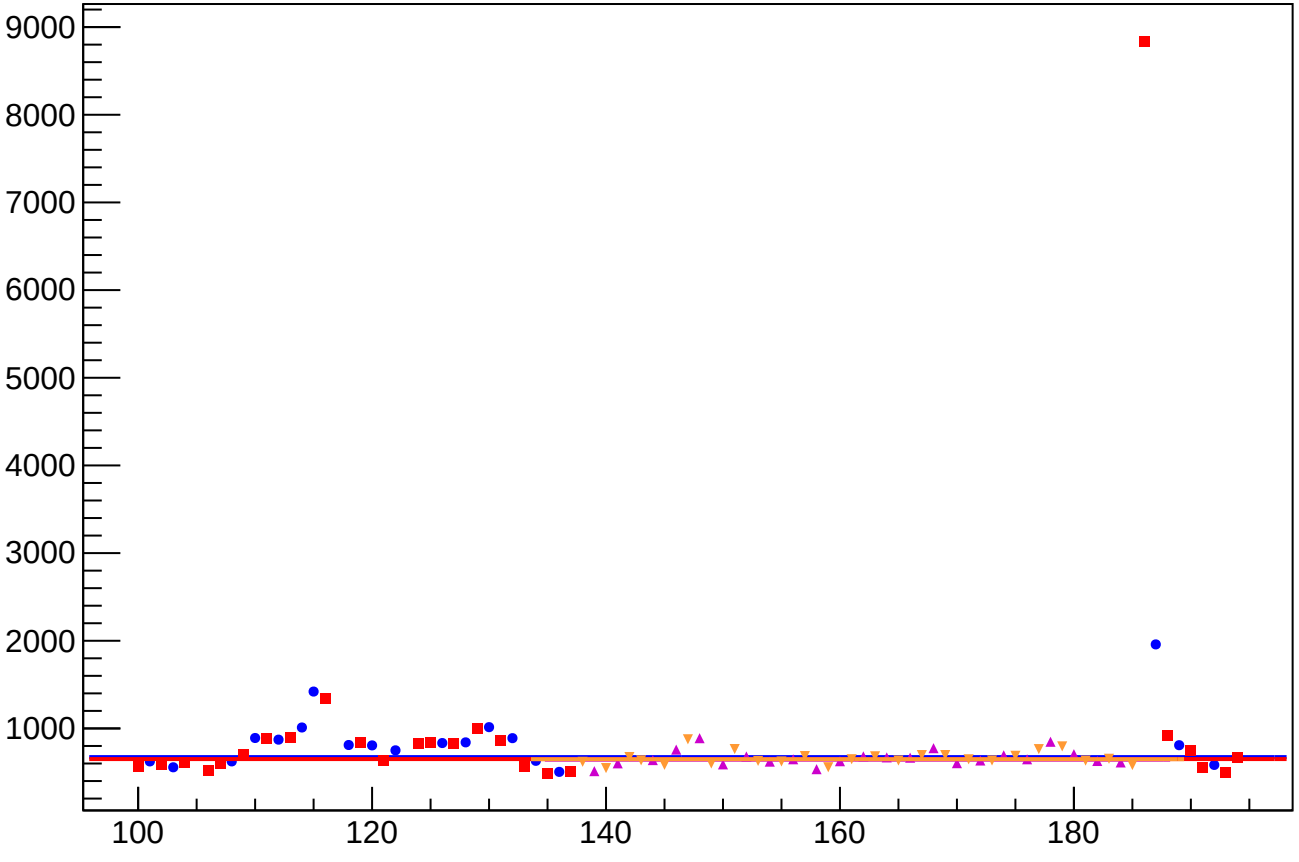
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 71.568+/-125.452 χ^2/NDF: 31.0/43

All: 92.196+/-87.558 χ^2/NDF: 91.1/91

- sign 111.788+/-122.261 χ^2/NDF: 60.0/47

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 673.036+/-0.165 χ^2/NDF: 995811.3/18

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 650.634+/-0.145 χ^2/NDF: 1806335.0/24

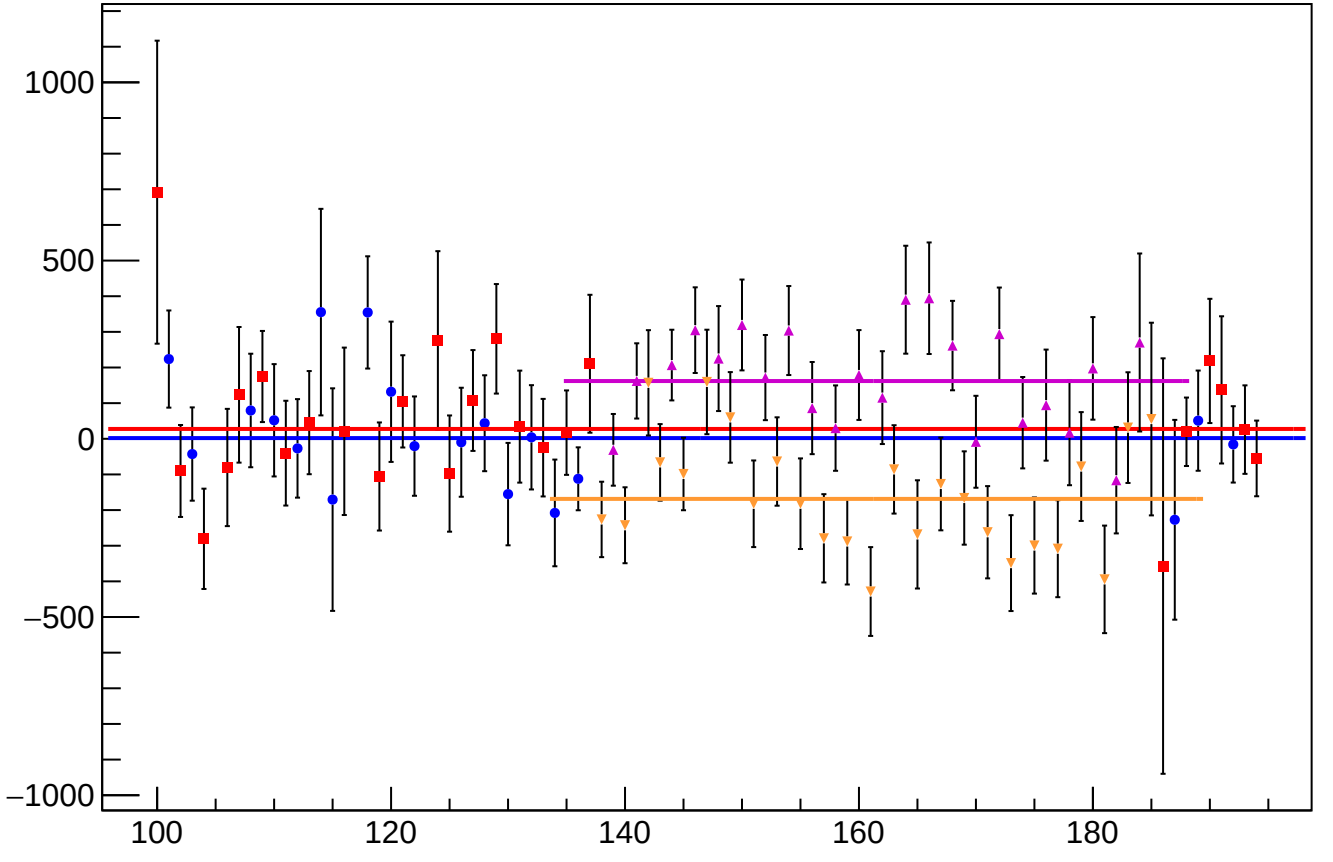
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 656.090+/-0.089 χ^2/NDF: 1429037.0/43

All: 651.116+/-0.062 χ^2/NDF: 3801939.3/91

- sign 646.392+/-0.086 χ^2/NDF: 2366772.8/47

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: 27.636+/-29.928 χ^2/NDF: 19.6/24

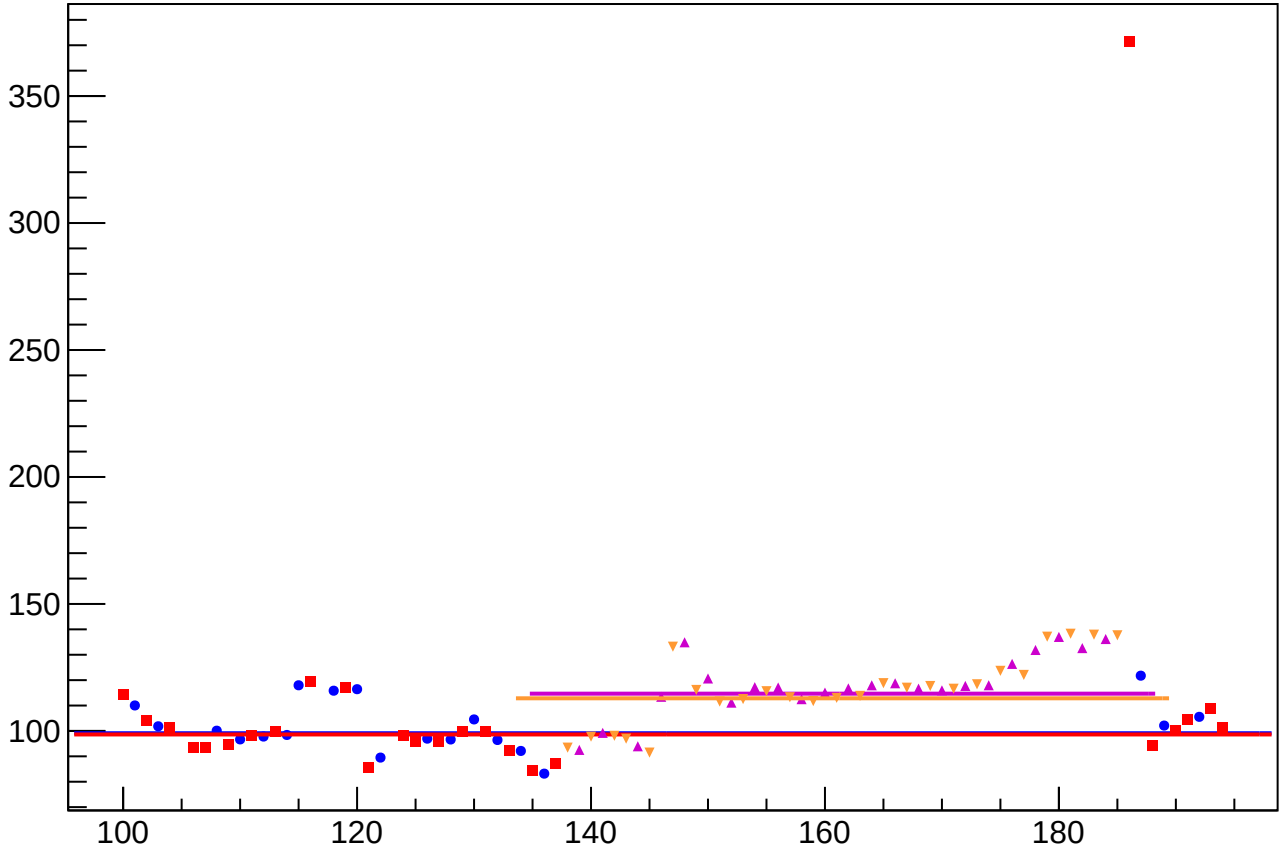
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -104.624+/-20.409 χ^2/NDF: 64.9/43

All: 0.572+/-14.294 χ^2/NDF: 171.4/91

- sign 101.855+/-20.026 χ^2/NDF: 54.3/47

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: 98.613+/-0.021 χ^2/NDF: 578837.6/24

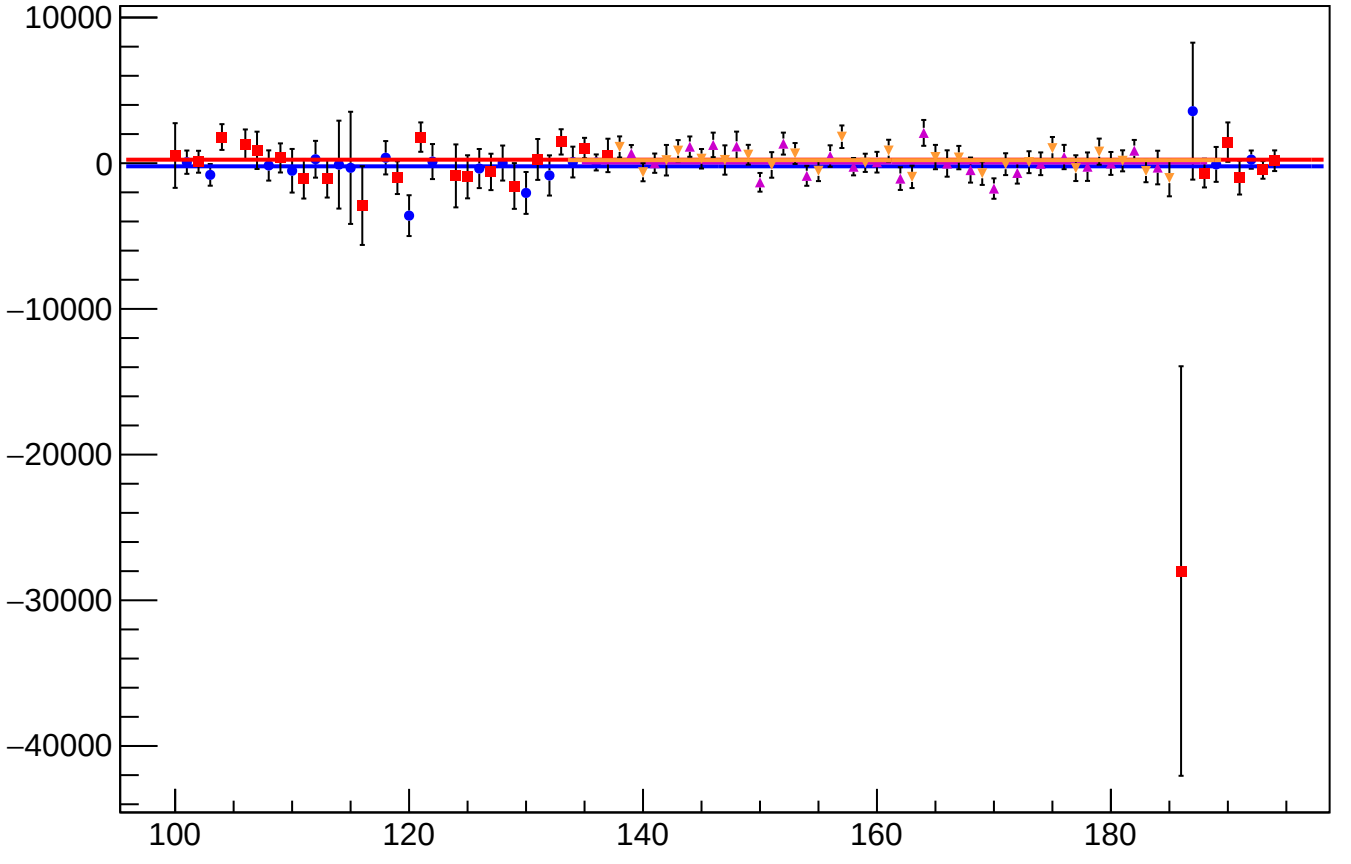
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 107.689+/-0.014 χ^2/NDF: 889840.0/43

All: 107.585+/-0.010 χ^2/NDF: 2196935.8/91

- sign 107.484+/-0.014 χ^2/NDF: 1306993.5/47

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: 242.148+/-212.166 χ^2/NDF: 25.4/24

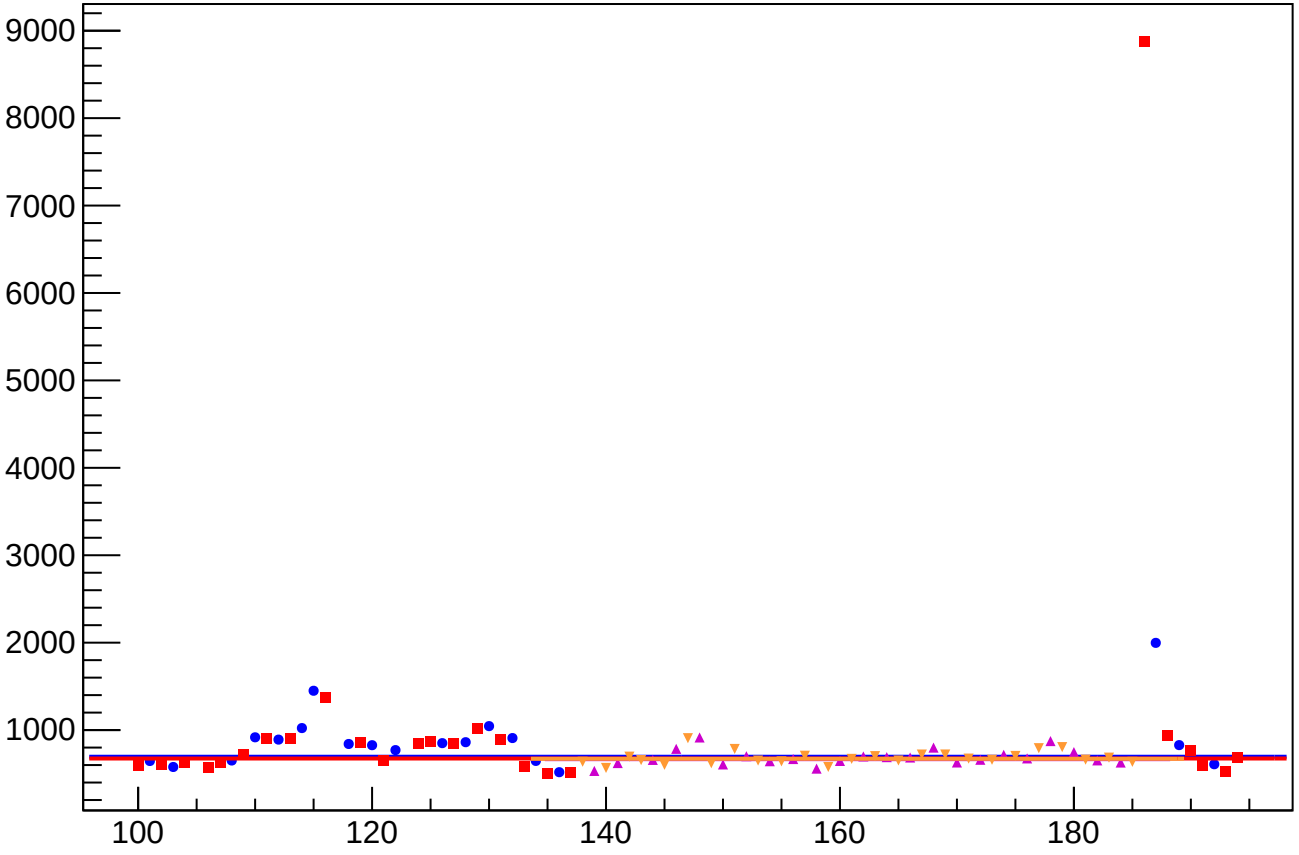
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 86.602+/-129.656 χ^2/NDF: 31.6/43

All: 102.914+/-90.528 χ^2/NDF: 90.9/91

- sign 118.431+/-126.456 χ^2/NDF: 59.2/47

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: 674.880+/-0.150 χ^2/NDF: 1729816.7/24

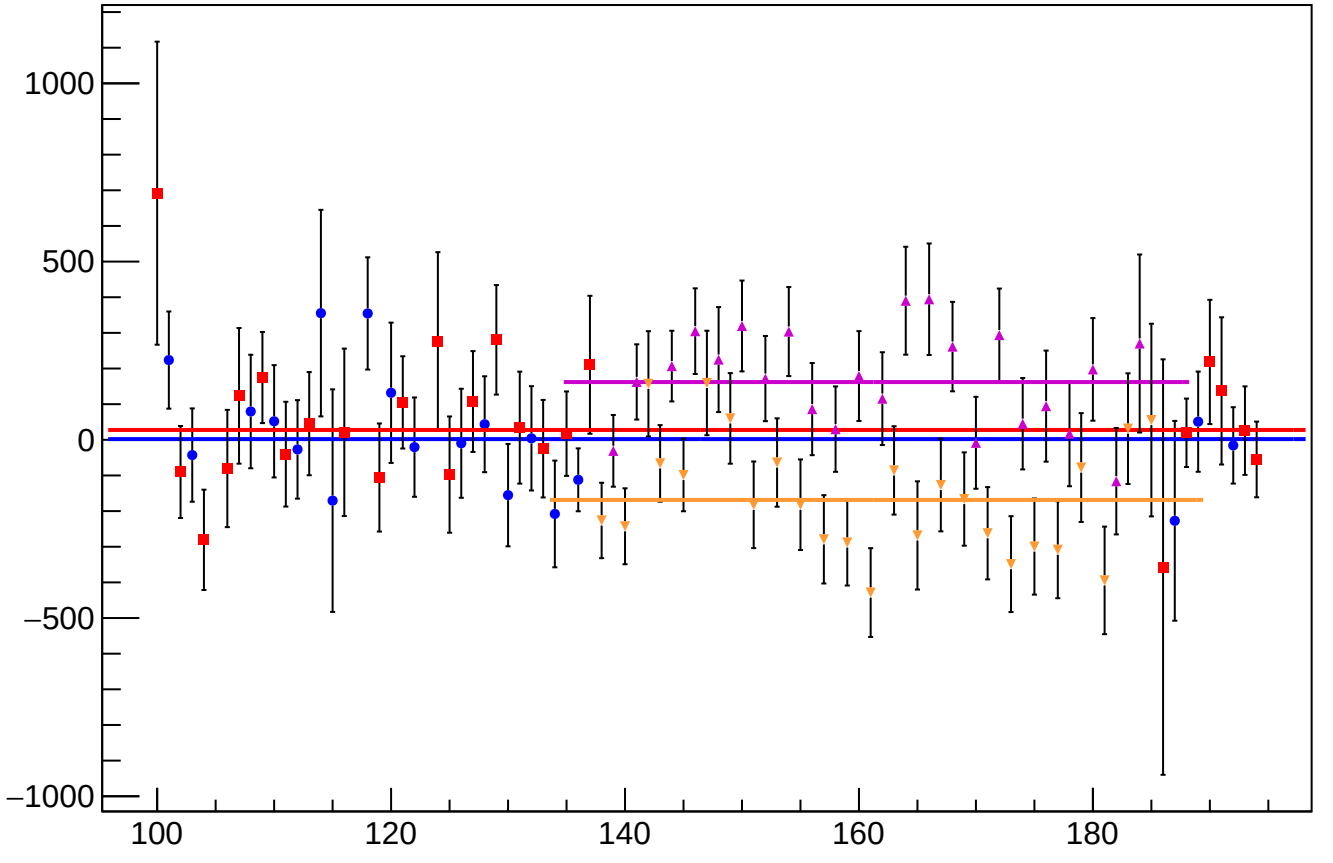
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 678.601+/-0.092 χ^2/NDF: 1382865.4/43

All: 674.203+/-0.064 χ^2/NDF: 3665704.3/91

- sign 670.019+/-0.089 χ^2/NDF: 2278348.6/47

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: 27.637+/-29.928 χ^2/NDF: 19.6/24

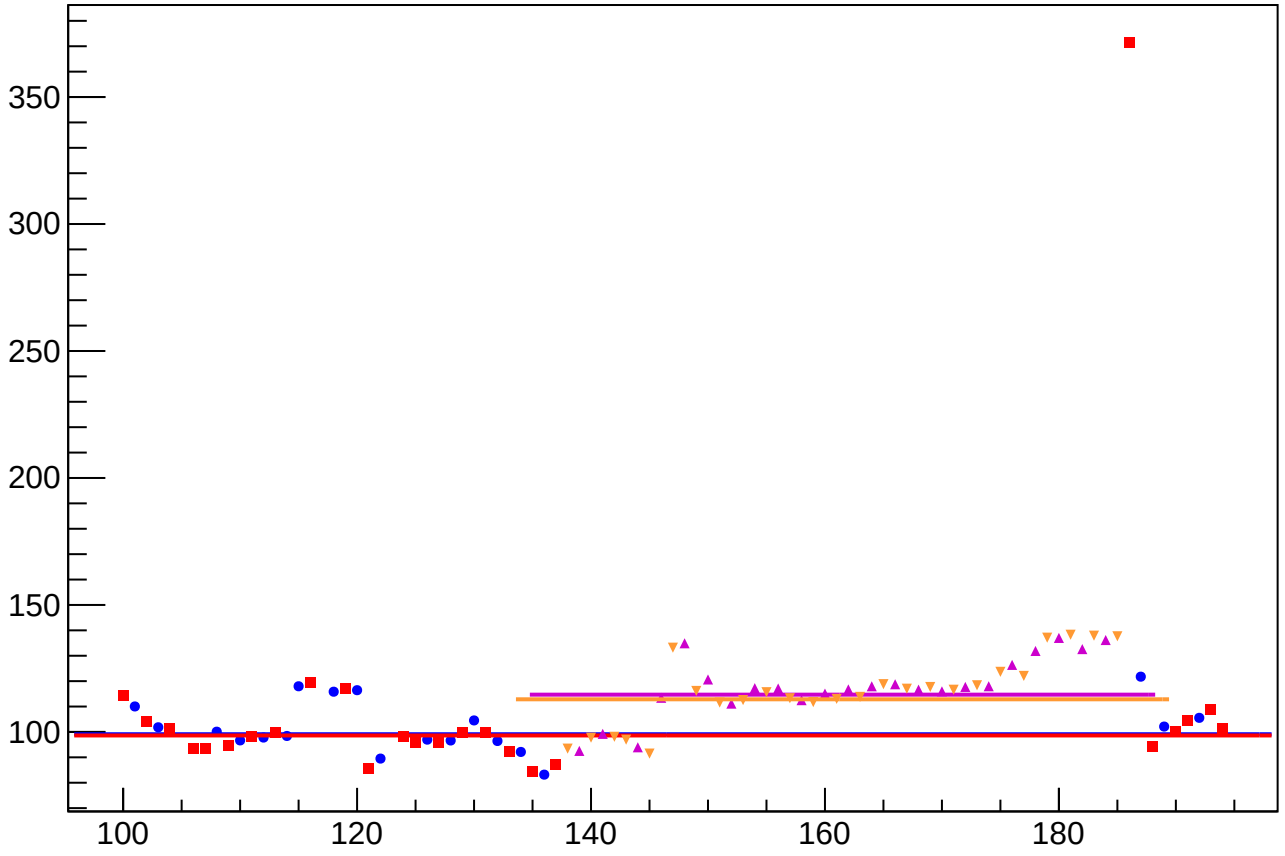
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -104.624+/-20.409 χ^2/NDF: 64.9/43

All: 0.572+/-14.294 χ^2/NDF: 171.4/91

- sign 101.855+/-20.026 χ^2/NDF: 54.3/47

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

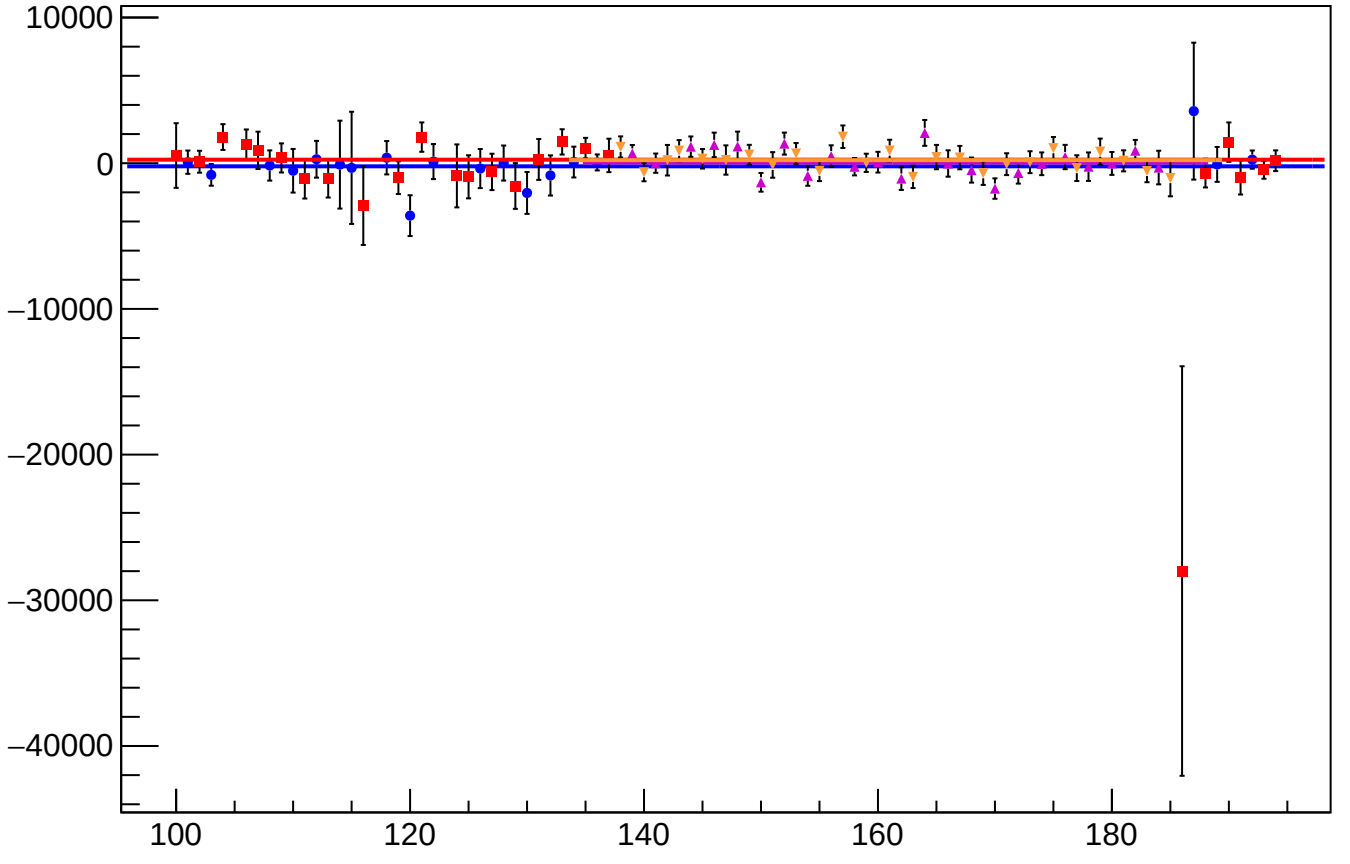
Right Out: 98.613+/-0.021 χ^2/NDF: 578836.8/24

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 107.689+/-0.014 χ^2/NDF: 889843.5/43

All: 107.585+/-0.010 χ^2/NDF: 2196946.5/91

- sign 107.484+/-0.014 χ^2/NDF: 1307000.8/47



Right In: -213.285+/-240.566 χ^2/NDF: 10.5/18

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 242.149+/-212.166 χ^2/NDF: 25.4/24

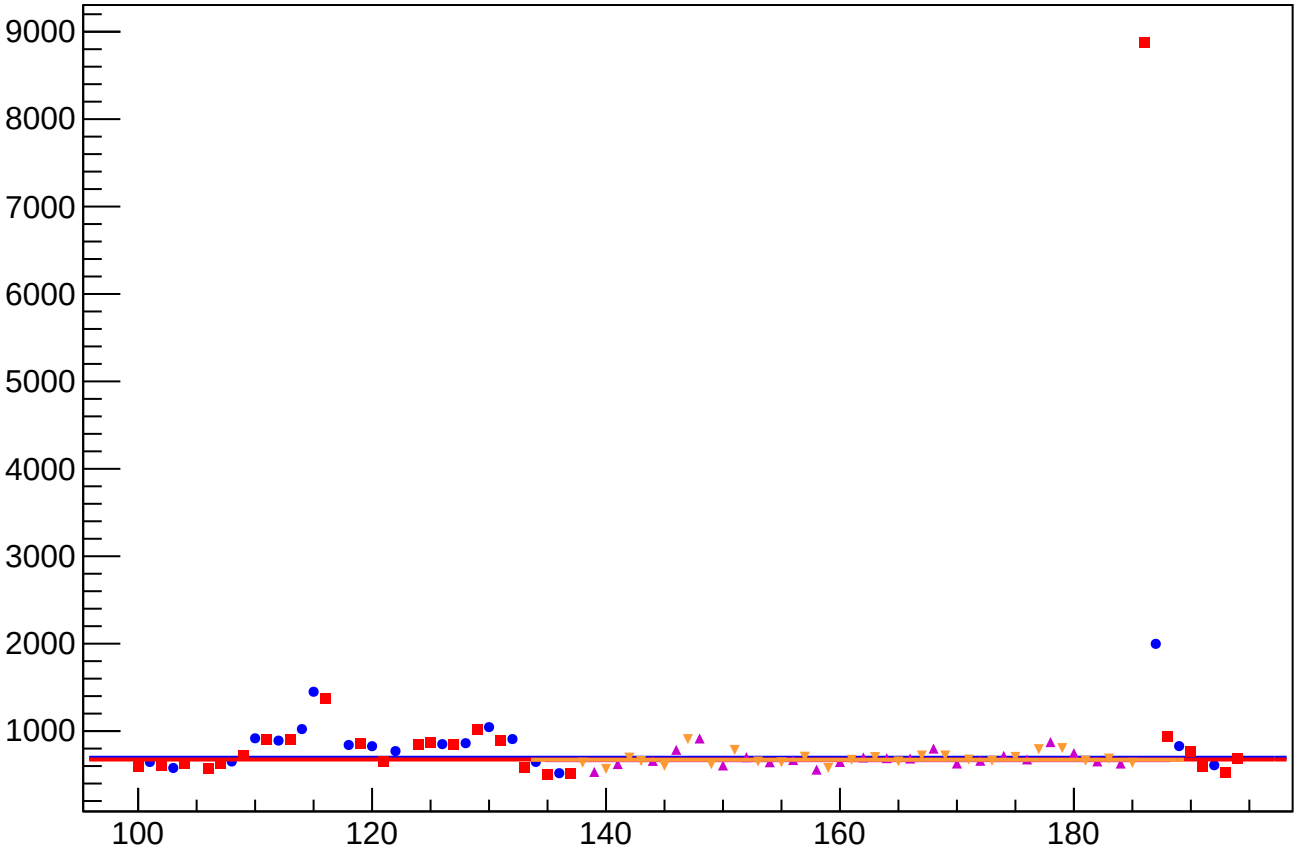
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 86.601+/-129.656 χ^2/NDF: 31.6/43

All: 102.914+/-90.528 χ^2/NDF: 90.9/91

- sign 118.431+/-126.456 χ^2/NDF: 59.2/47

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: 674.879+/-0.150 χ^2/NDF: 1729821.3/24

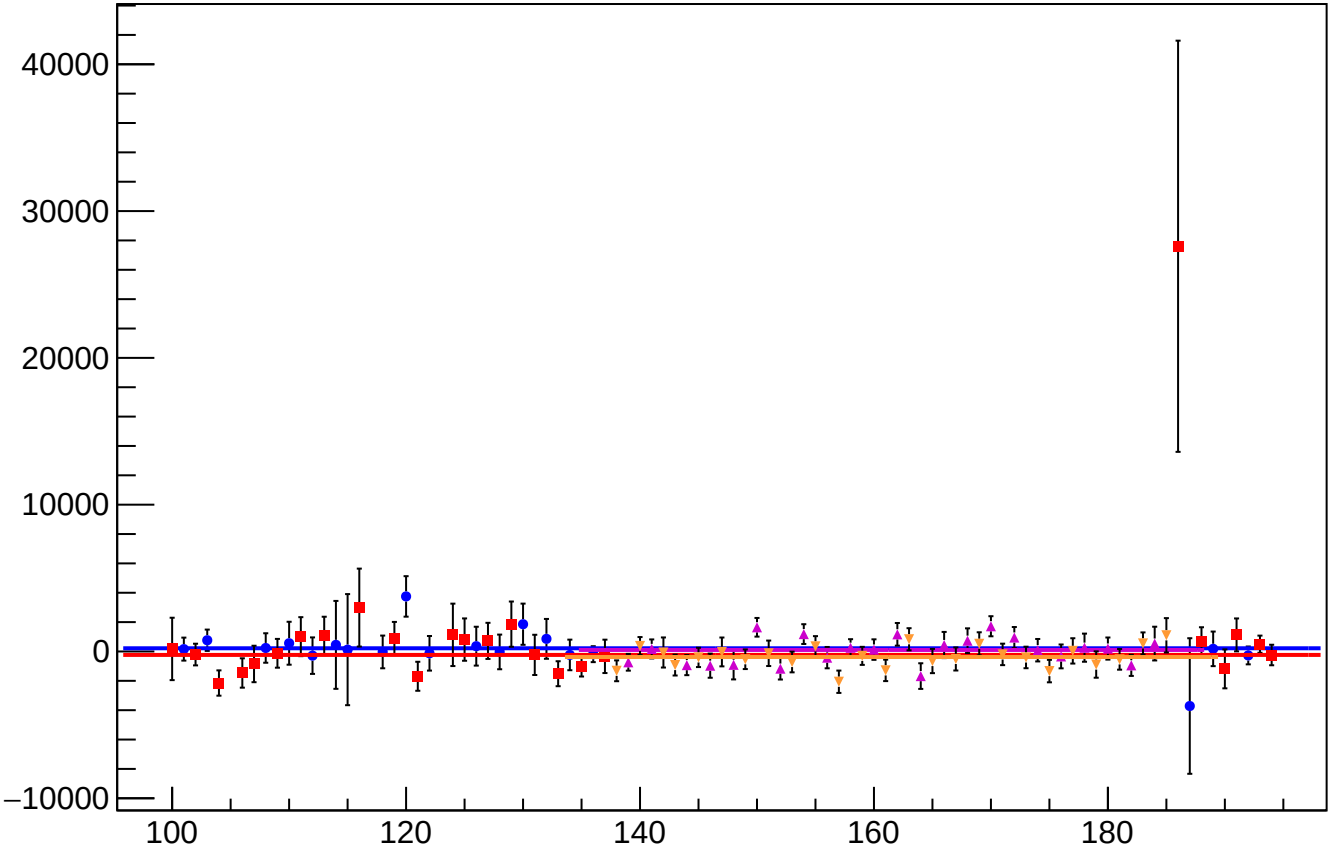
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 678.601+/-0.092 χ^2/NDF: 1382866.9/43

All: 674.203+/-0.064 χ^2/NDF: 3665711.9/91

- sign 670.020+/-0.089 χ^2/NDF: 2278354.7/47

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: -234.710+/-207.478 χ^2/NDF: 28.7/24

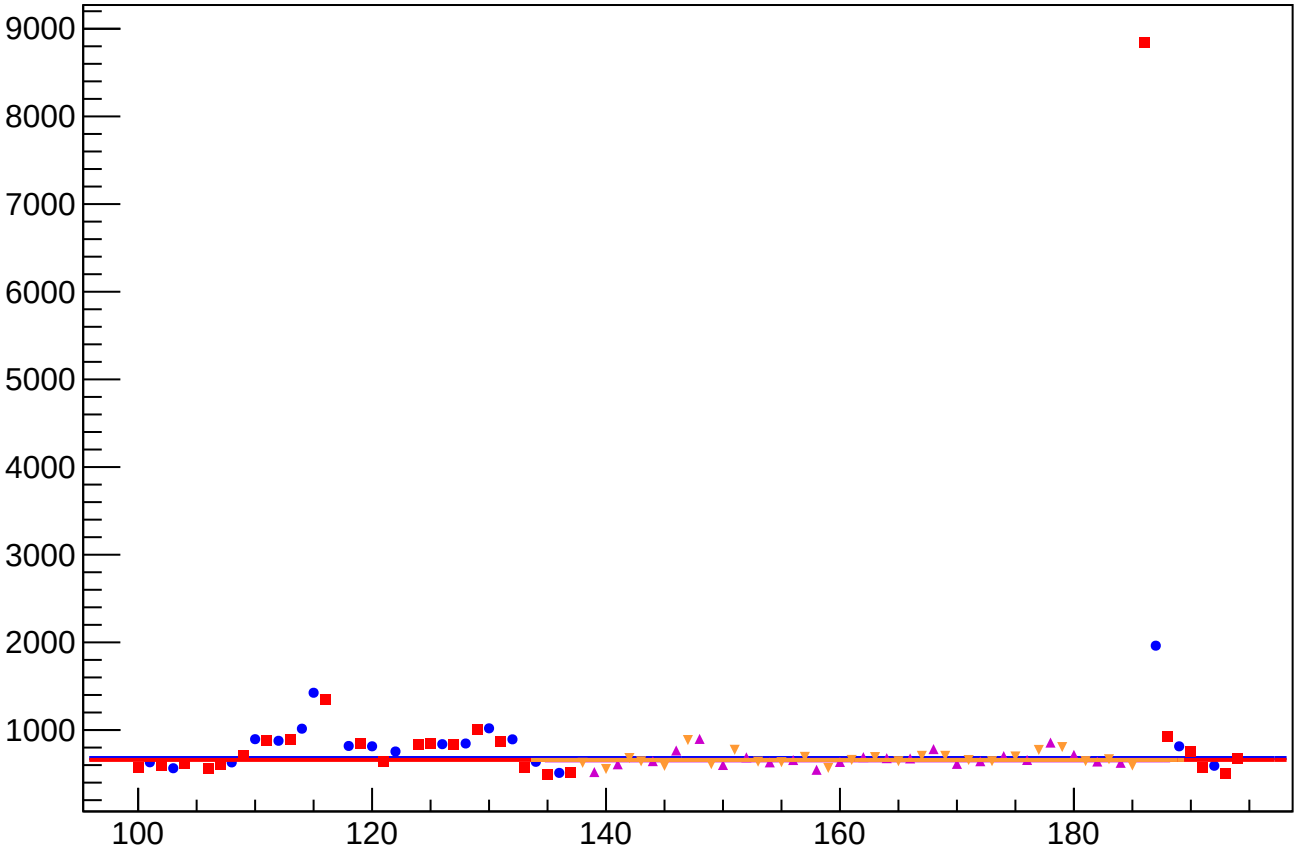
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -204.123+/-127.112 χ^2/NDF: 37.2/43

All: -108.164+/-88.699 χ^2/NDF: 104.2/91

- sign -17.093+/-123.832 χ^2/NDF: 65.9/47

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

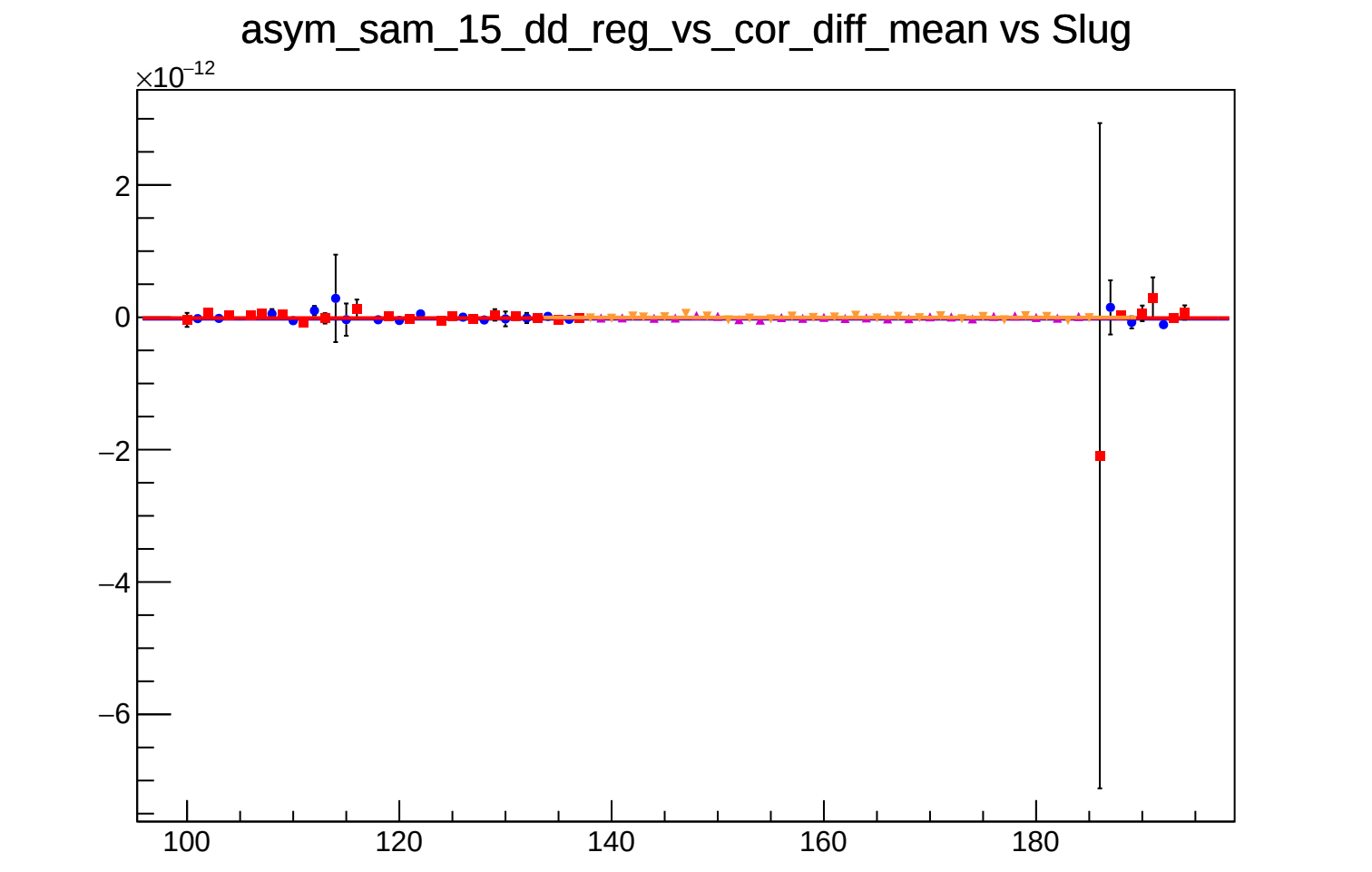
Right Out: 659.325+/-0.147 χ^2/NDF: 1762229.4/24

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 665.078+/-0.090 χ^2/NDF: 1394574.2/43

All: 660.351+/-0.063 χ^2/NDF: 3705137.0/91

- sign 655.865+/-0.088 χ^2/NDF: 2305171.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 12.2/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

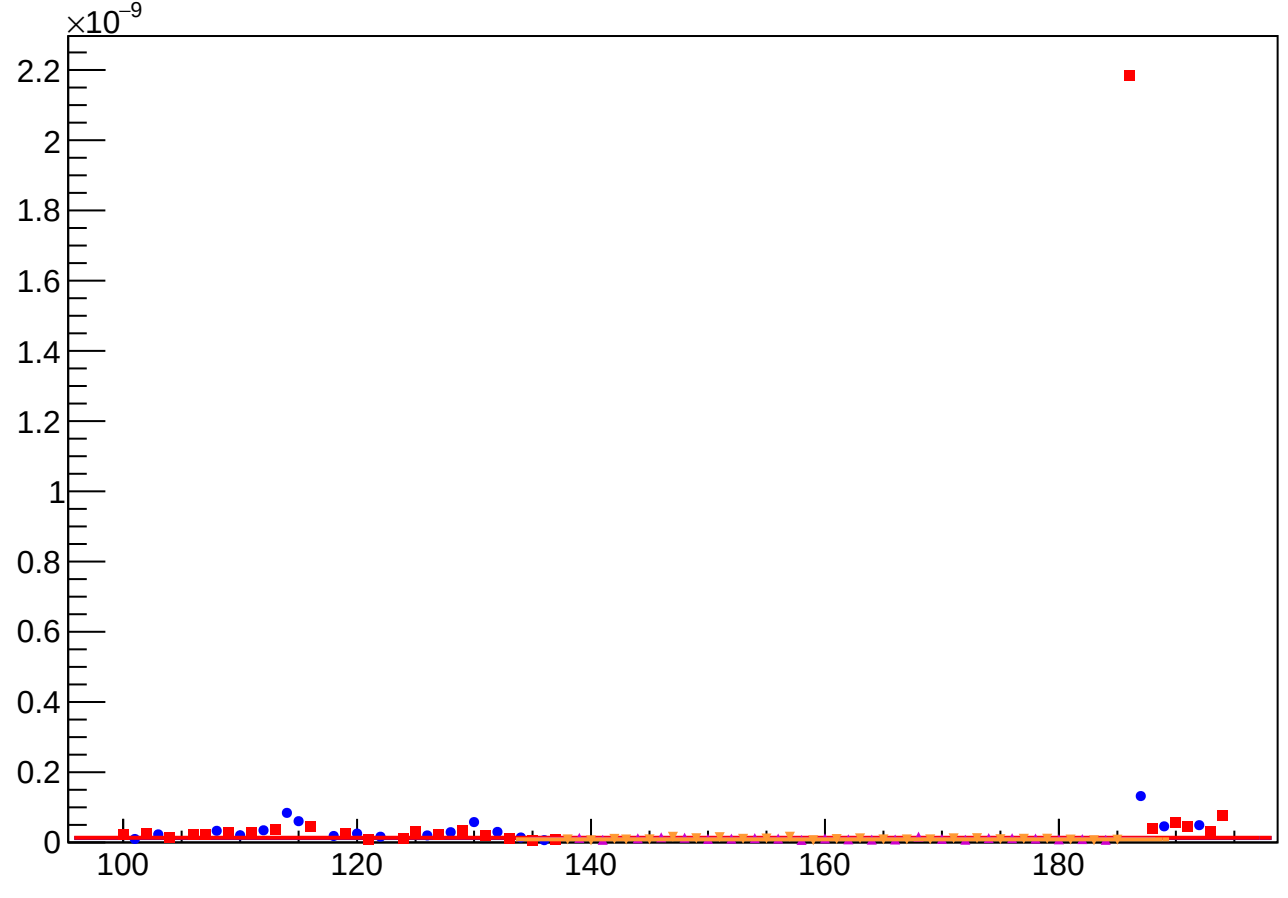
Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/24

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: 85.6/91

- sign -0.000+/-0.000 χ^2/NDF: 35.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 3188846.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4268959.6/24

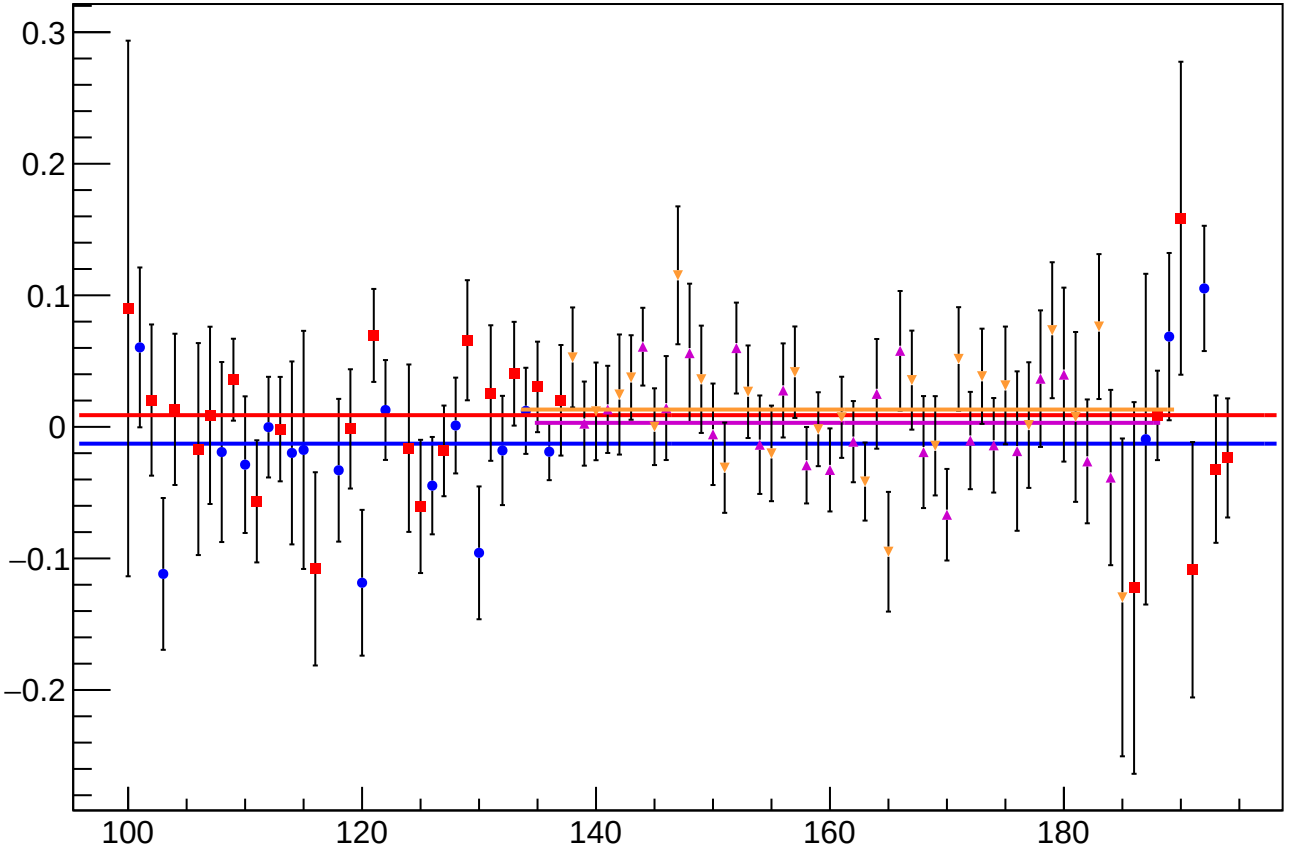
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4580395.5/43

All: 0.000+/-0.000 χ^2/NDF: 9938416.3/91

- sign 0.000+/-0.000 χ^2/NDF: 5203084.7/47

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: 0.009+/-0.010 χ^2/NDF: 19.0/24

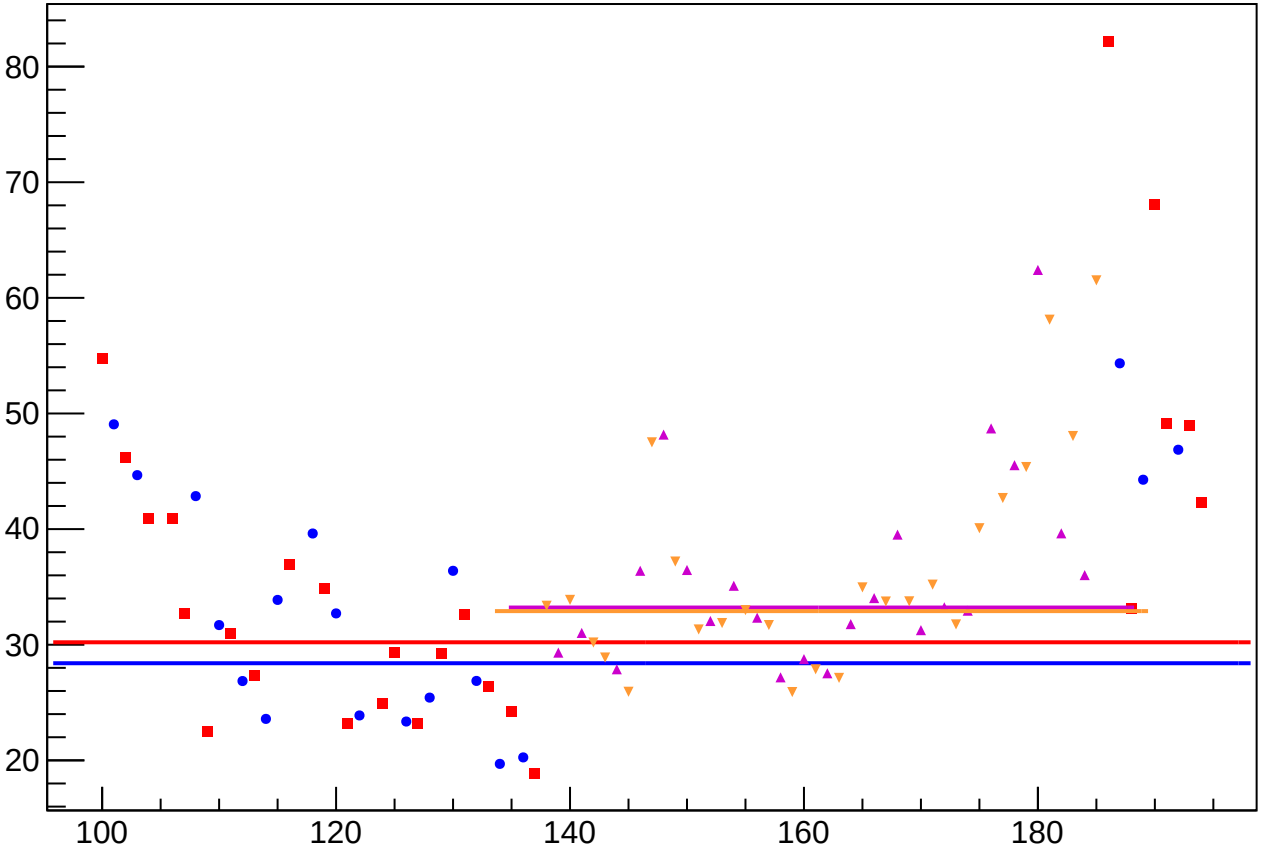
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

\+ sign 0.004+/-0.006 χ^2/NDF: 50.4/43

All: 0.005+/-0.004 χ^2/NDF: 88.9/91

\- sign 0.005+/-0.006 χ^2/NDF: 38.4/47

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

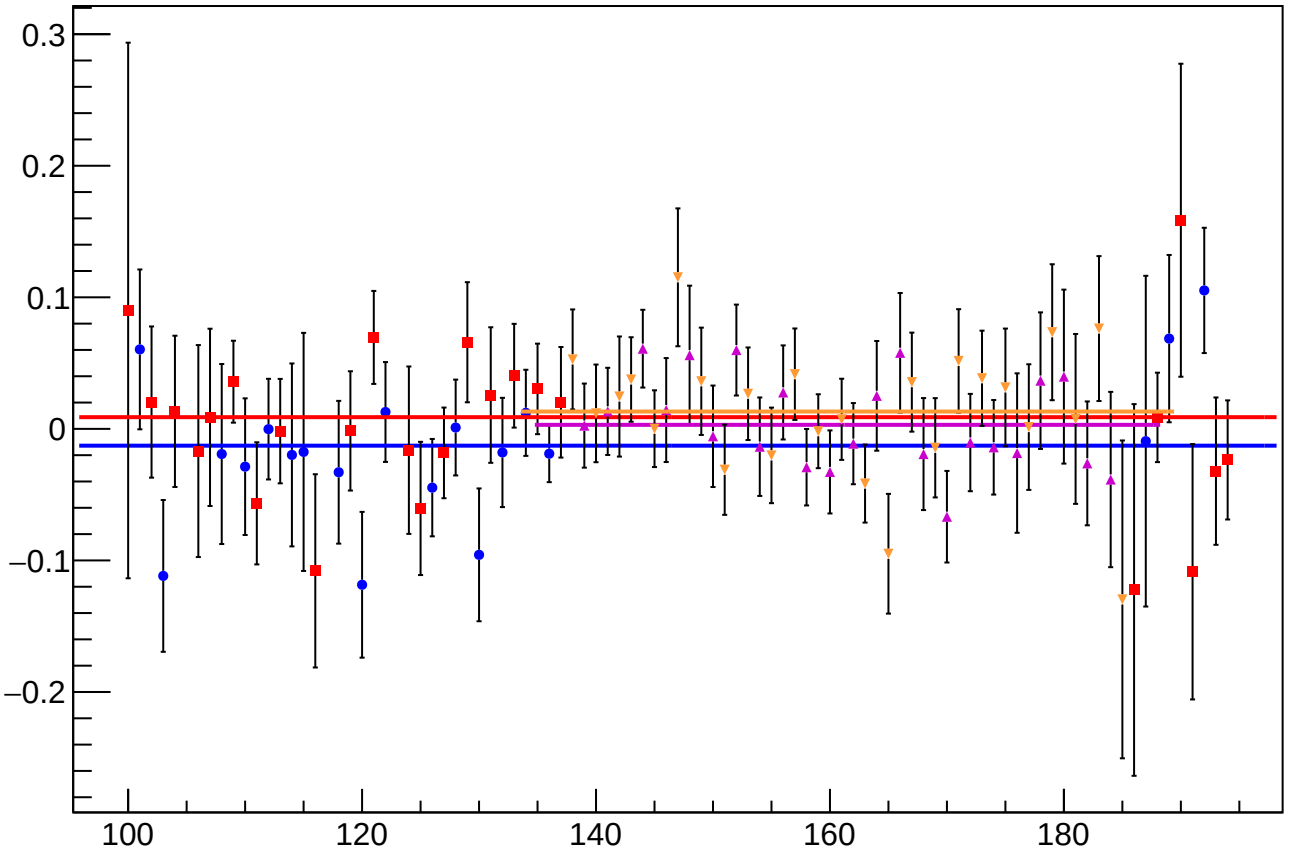
Right Out: 30.211+/-0.007 χ^2/NDF: 1797633.9/24

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 31.256+/-0.004 χ^2/NDF: 3352995.5/43

All: 31.622+/-0.003 χ^2/NDF: 6502823.1/91

\- sign 31.989+/-0.004 χ^2/NDF: 3135484.3/47



Right In: -0.013+/-0.010 χ^2/NDF: 20.9/18

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

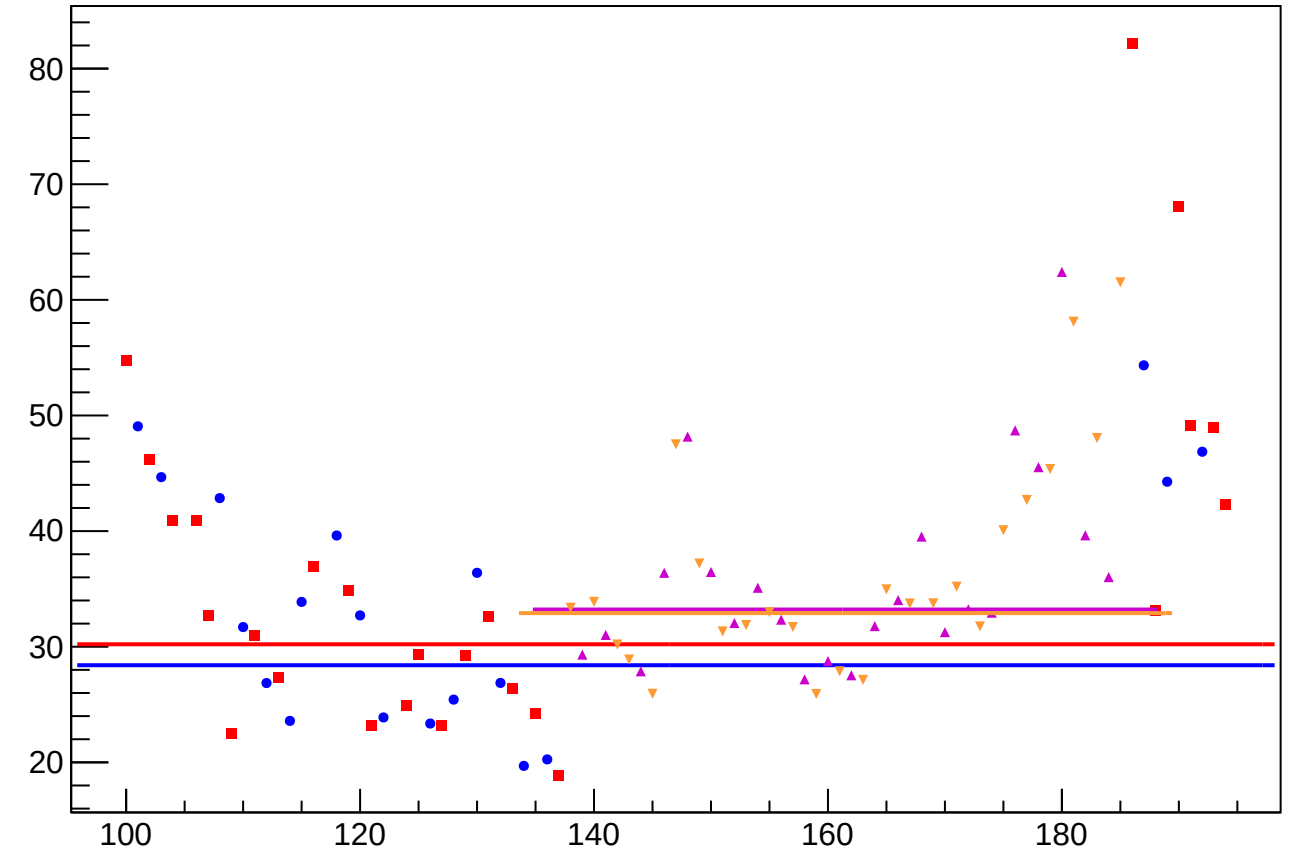
Right Out: 0.009+/-0.010 χ^2/NDF: 19.0/24

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.004+/-0.006 χ^2/NDF: 50.4/43

All: 0.005+/-0.004 χ^2/NDF: 88.9/91

- sign 0.005+/-0.006 χ^2/NDF: 38.4/47



Right In: 28.400+/-0.007 χ^2/NDF: 1672643.8/18

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

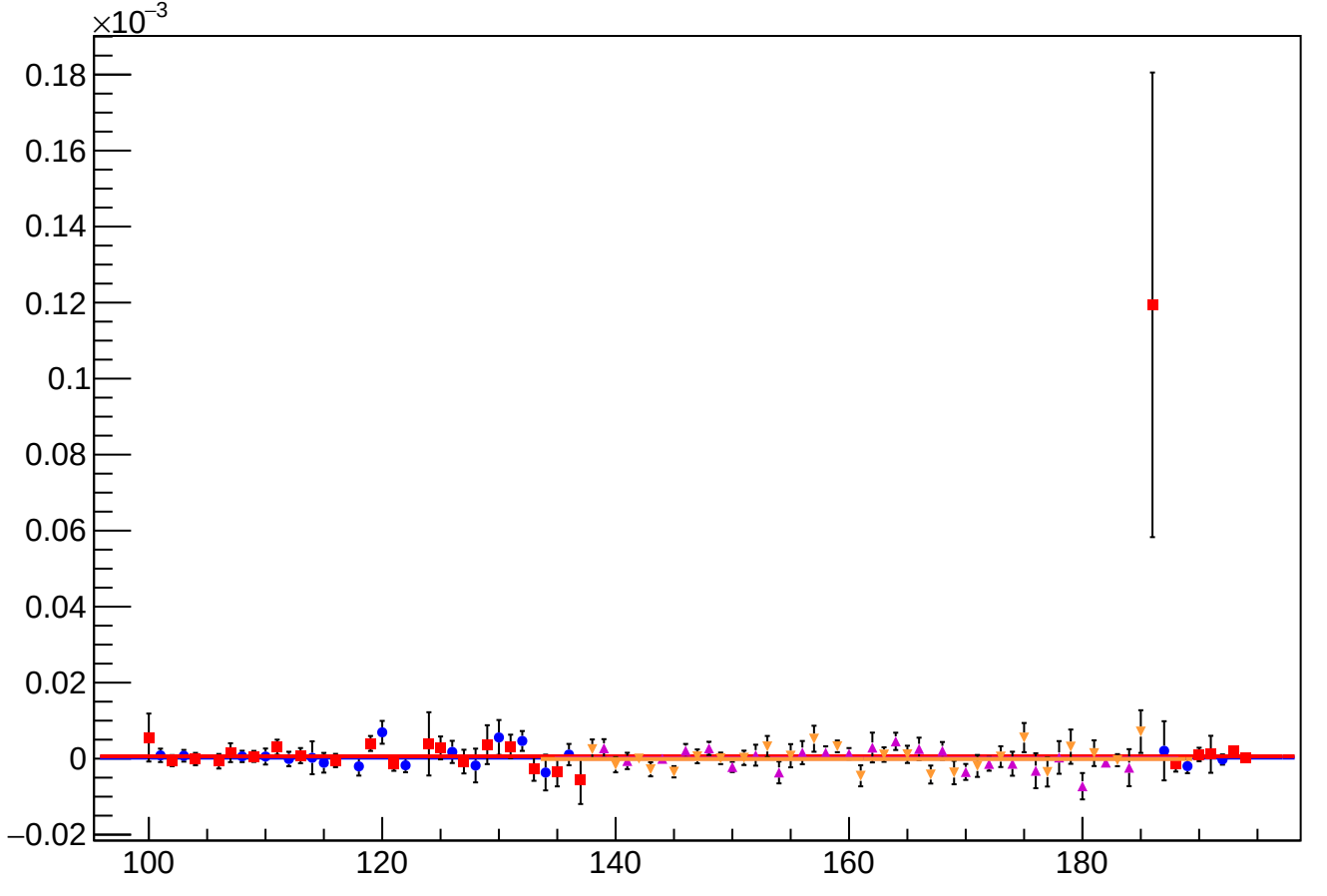
Right Out: 30.211+/-0.007 χ^2/NDF: 1797633.9/24

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 31.256+/-0.004 χ^2/NDF: 3352995.5/43

All: 31.622+/-0.003 χ^2/NDF: 6502823.1/91

- sign 31.989+/-0.004 χ^2/NDF: 3135484.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 14.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

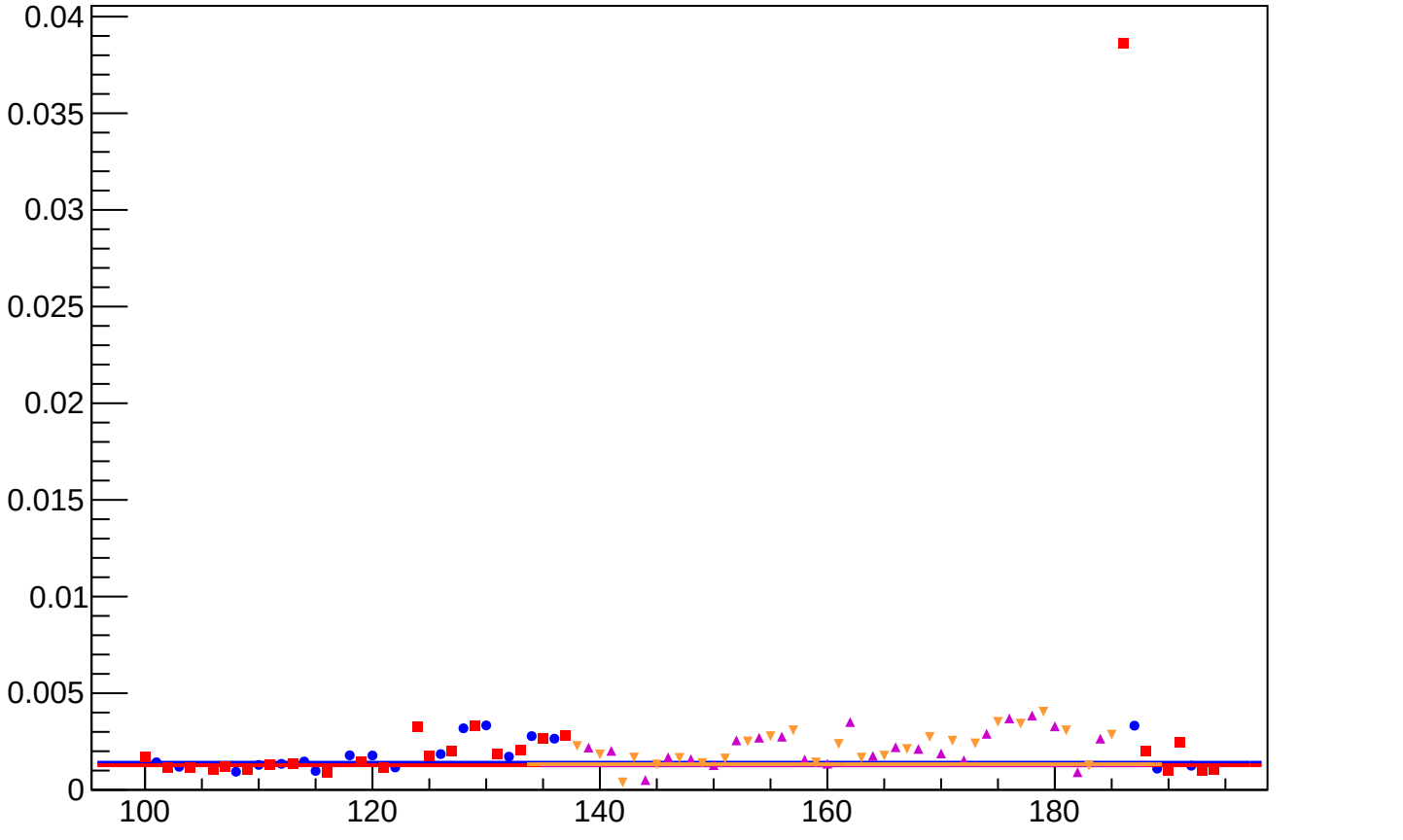
Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/24

Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.0/43

All: 0.000+/-0.000 χ^2/NDF: 93.8/91

- sign 0.000+/-0.000 χ^2/NDF: 47.5/47



Right In: 0.001+/-0.000 χ^2/NDF: 1927095.8/18

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

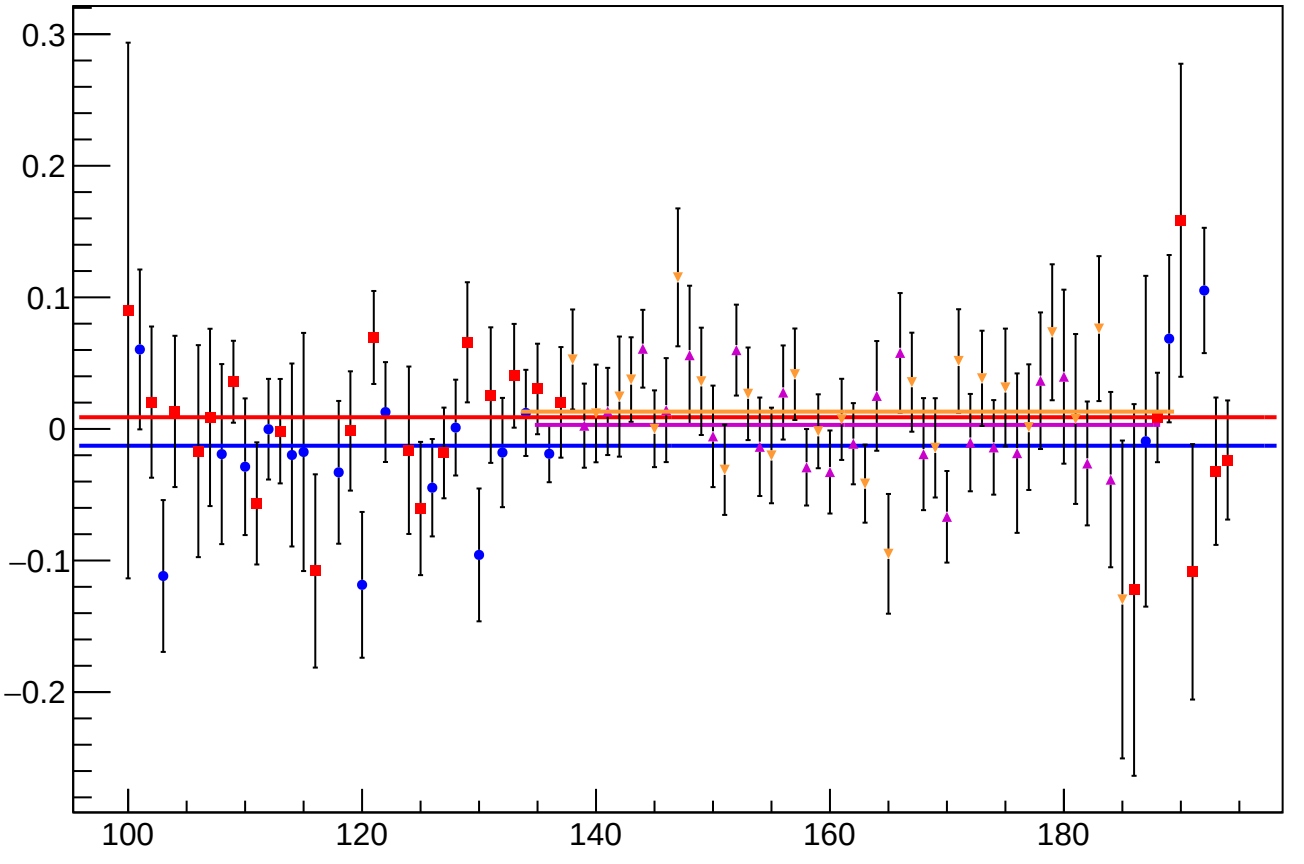
Right Out: 0.001+/-0.000 χ^2/NDF: 2753766.2/24

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 13117675.8/43

All: 0.001+/-0.000 χ^2/NDF: 25824926.6/91

- sign 0.001+/-0.000 χ^2/NDF: 12632254.7/47



Right In: -0.013+/-0.010 χ^2/NDF: 20.9/18

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

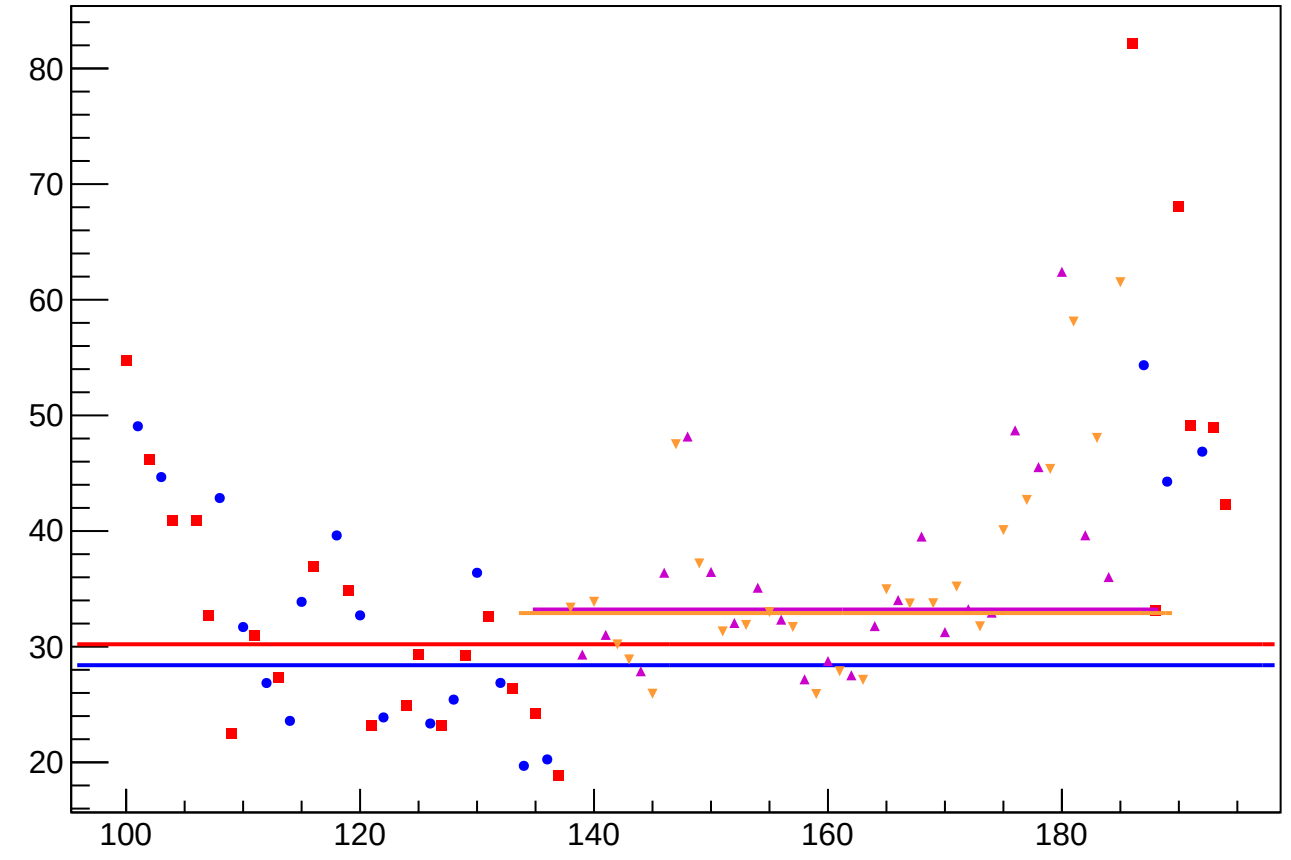
Right Out: 0.009+/-0.010 χ^2/NDF: 19.0/24

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.004+/-0.006 χ^2/NDF: 50.4/43

All: 0.005+/-0.004 χ^2/NDF: 88.9/91

- sign 0.005+/-0.006 χ^2/NDF: 38.4/47



Right In: 28.400+/-0.007 χ^2/NDF: 1672746.5/18

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

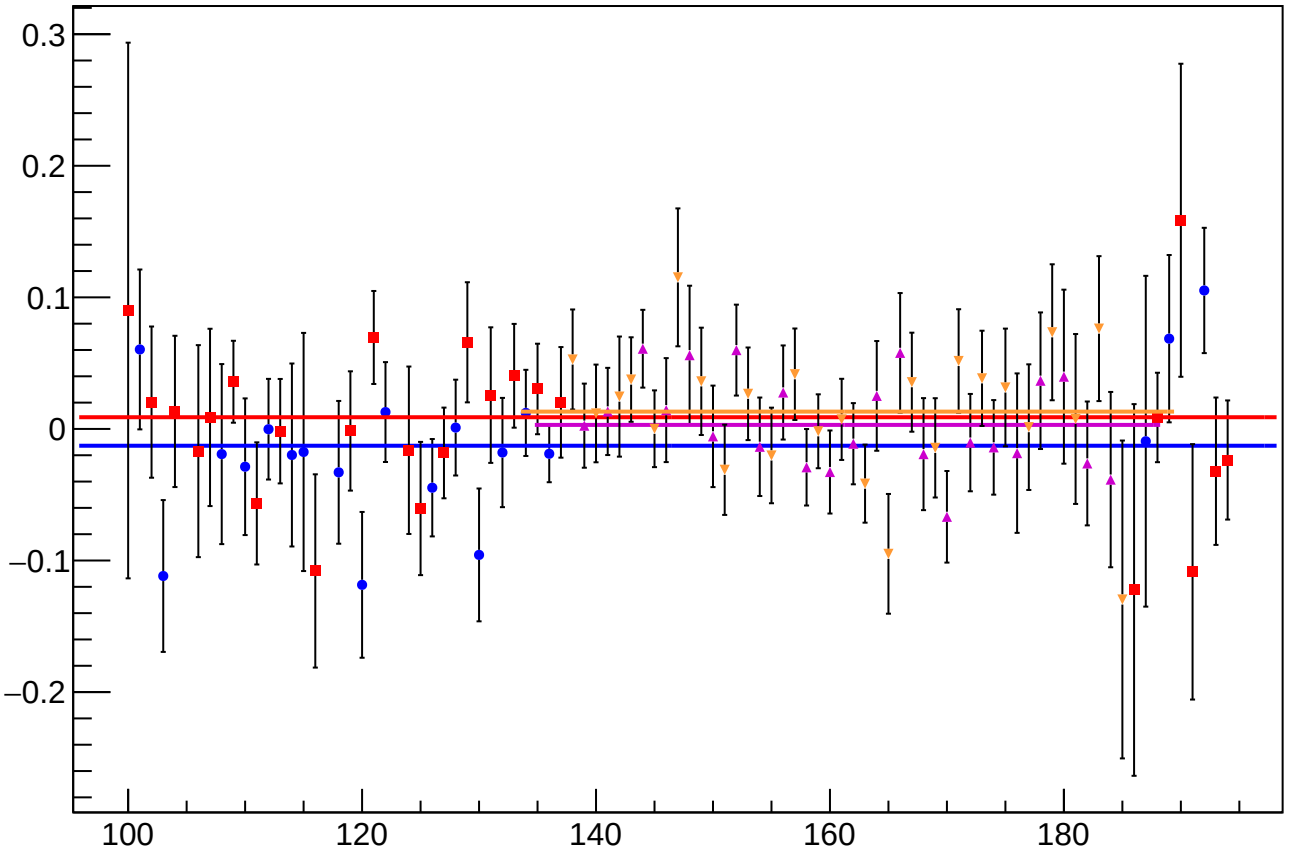
Right Out: 30.210+/-0.007 χ^2/NDF: 1797824.1/24

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.256+/-0.004 χ^2/NDF: 3353266.0/43

All: 31.621+/-0.003 χ^2/NDF: 6503449.3/91

- sign 31.988+/-0.004 χ^2/NDF: 3135844.1/47



Right In: -0.013+/-0.010 χ^2/NDF: 20.9/18

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

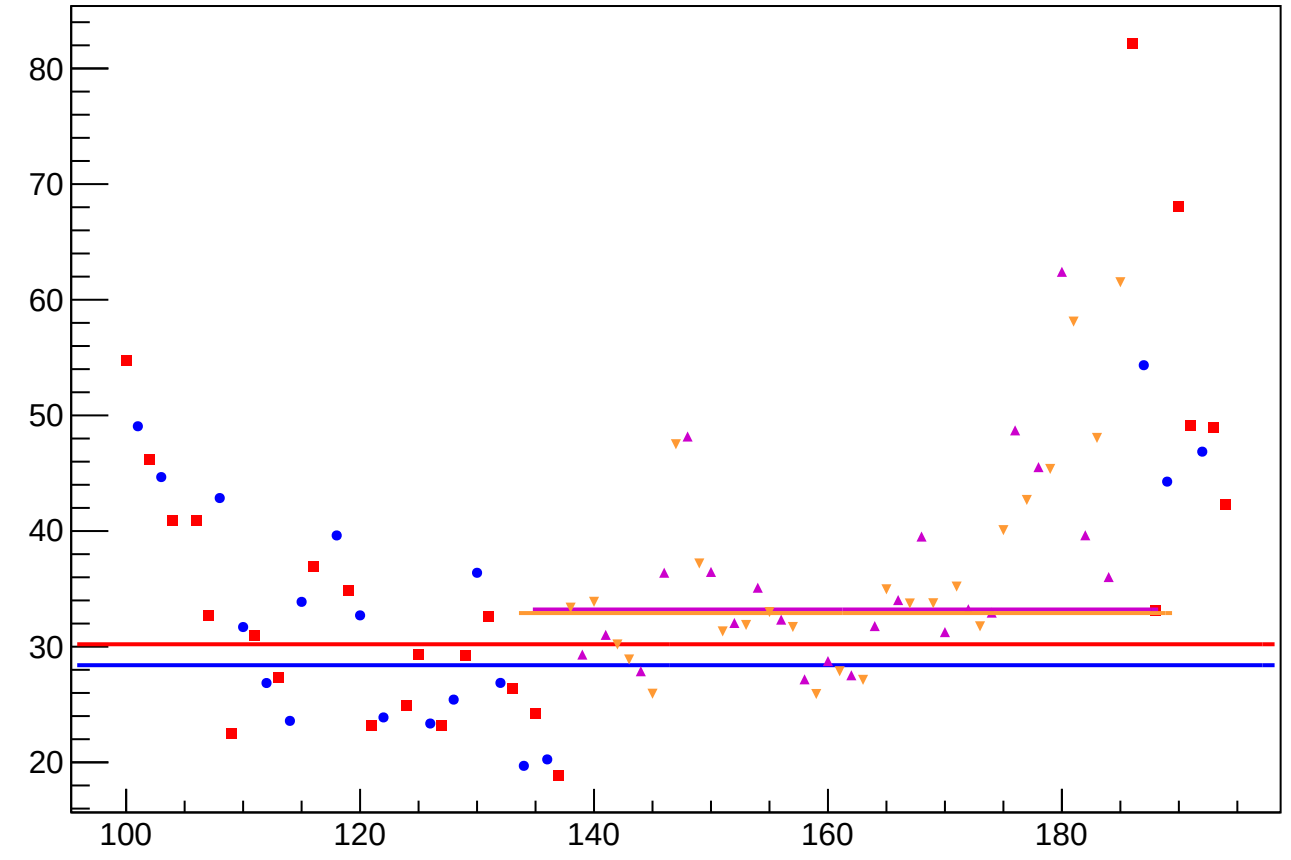
Right Out: 0.009+/-0.010 χ^2/NDF: 19.0/24

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

\+ sign 0.004+/-0.006 χ^2/NDF: 50.4/43

All: 0.005+/-0.004 χ^2/NDF: 88.9/91

\- sign 0.005+/-0.006 χ^2/NDF: 38.4/47



Right In: 28.400+/-0.007 χ^2/NDF: 1672746.5/18

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

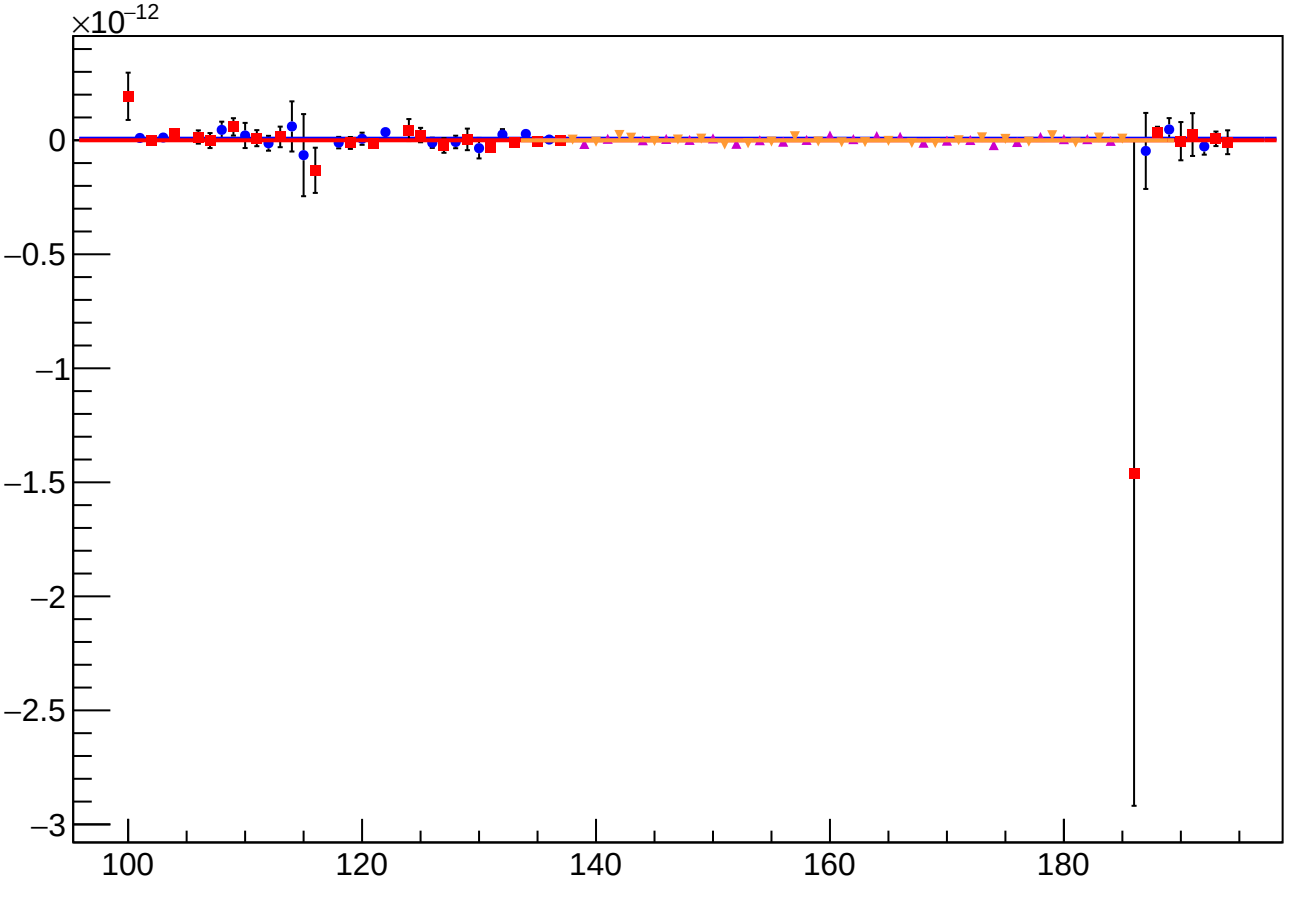
Right Out: 30.210+/-0.007 χ^2/NDF: 1797824.1/24

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.256+/-0.004 χ^2/NDF: 3353266.0/43

All: 31.621+/-0.003 χ^2/NDF: 6503449.3/91

- sign 31.988+/-0.004 χ^2/NDF: 3135844.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 9.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

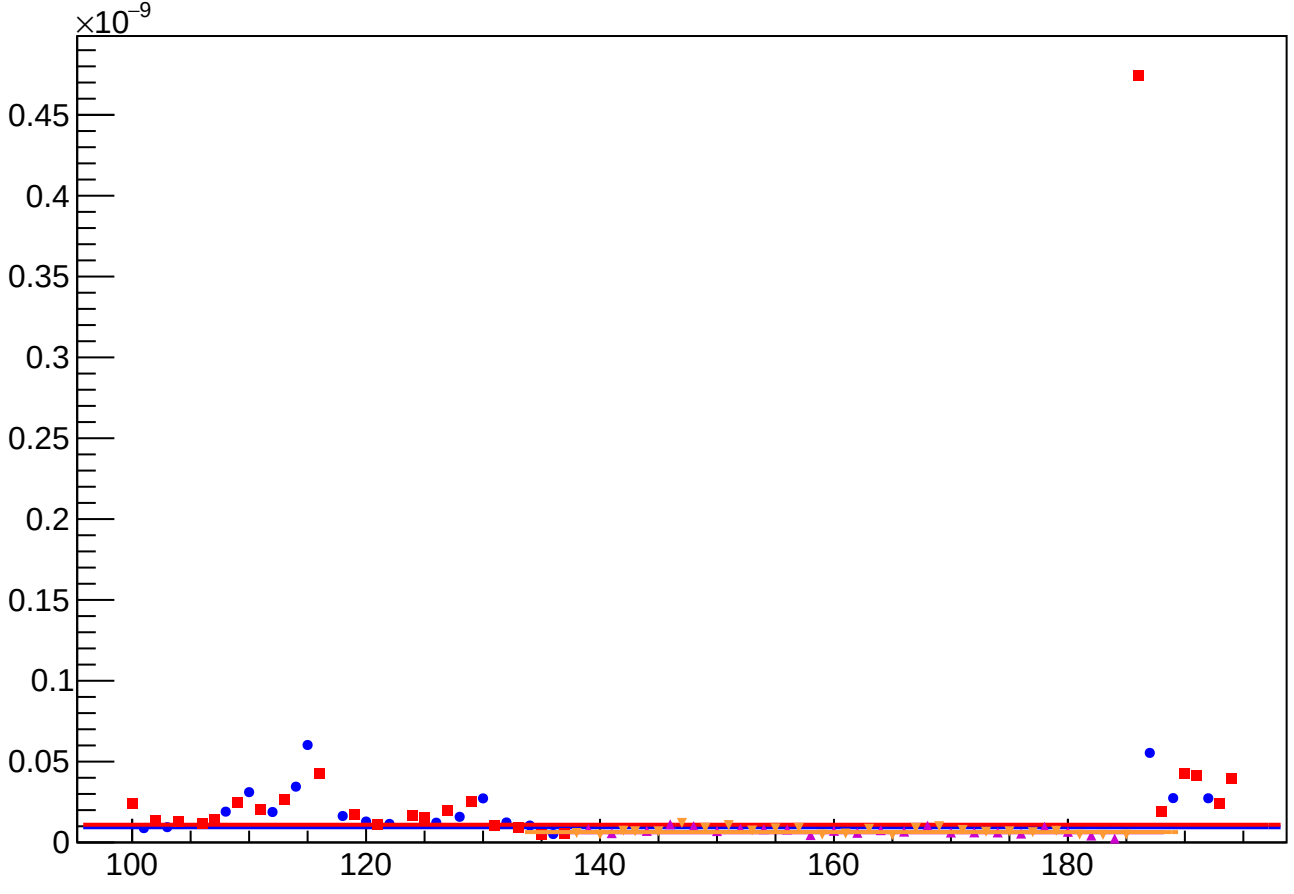
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/24

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.1/43

All: 0.000+/-0.000 χ^2/NDF: 86.5/91

- sign 0.000+/-0.000 χ^2/NDF: 43.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 3327563.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4579621.0/24

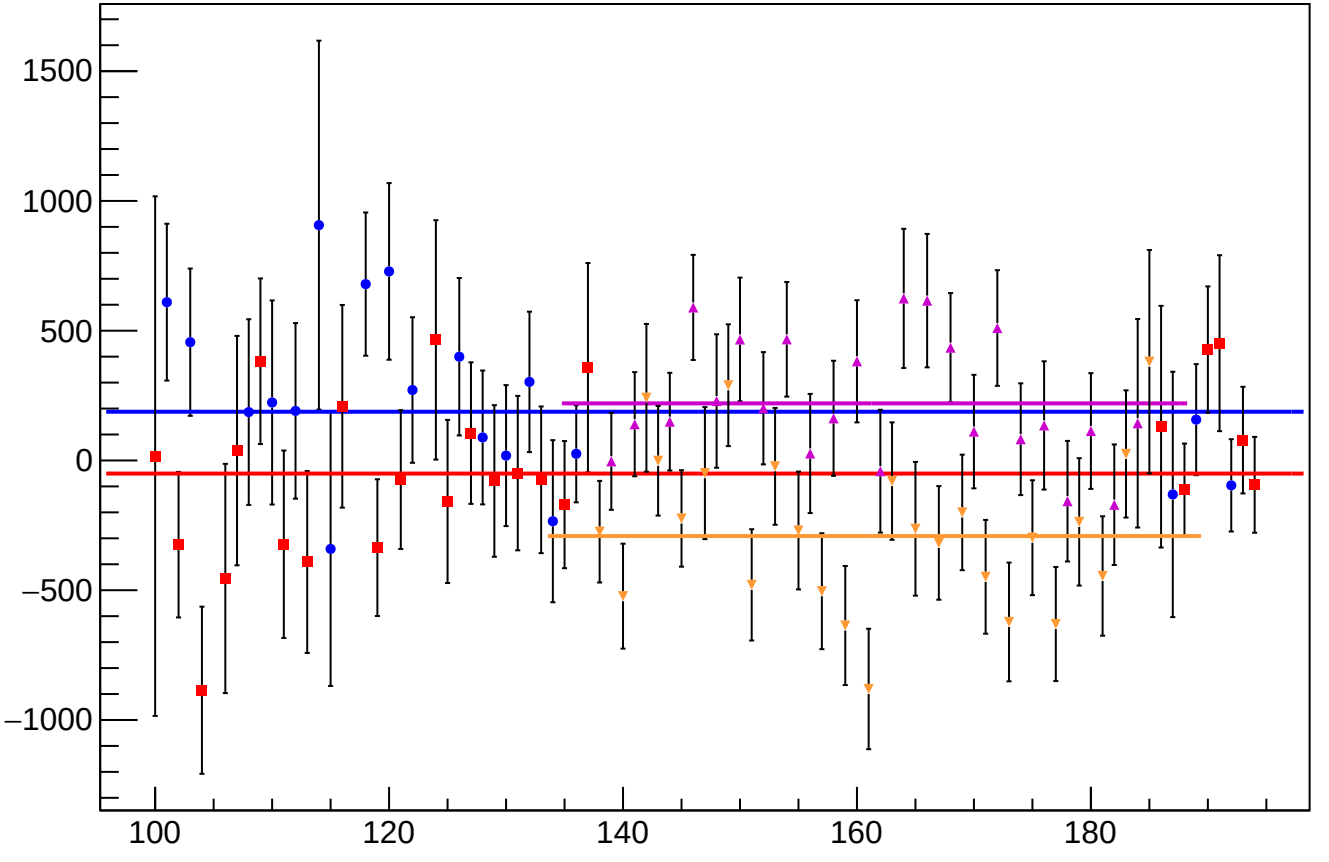
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5954202.3/43

All: 0.000+/-0.000 χ^2/NDF: 14320912.1/91

- sign 0.000+/-0.000 χ^2/NDF: 8363161.6/47

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: -50.525+/-58.133 χ^2/NDF: 23.3/24

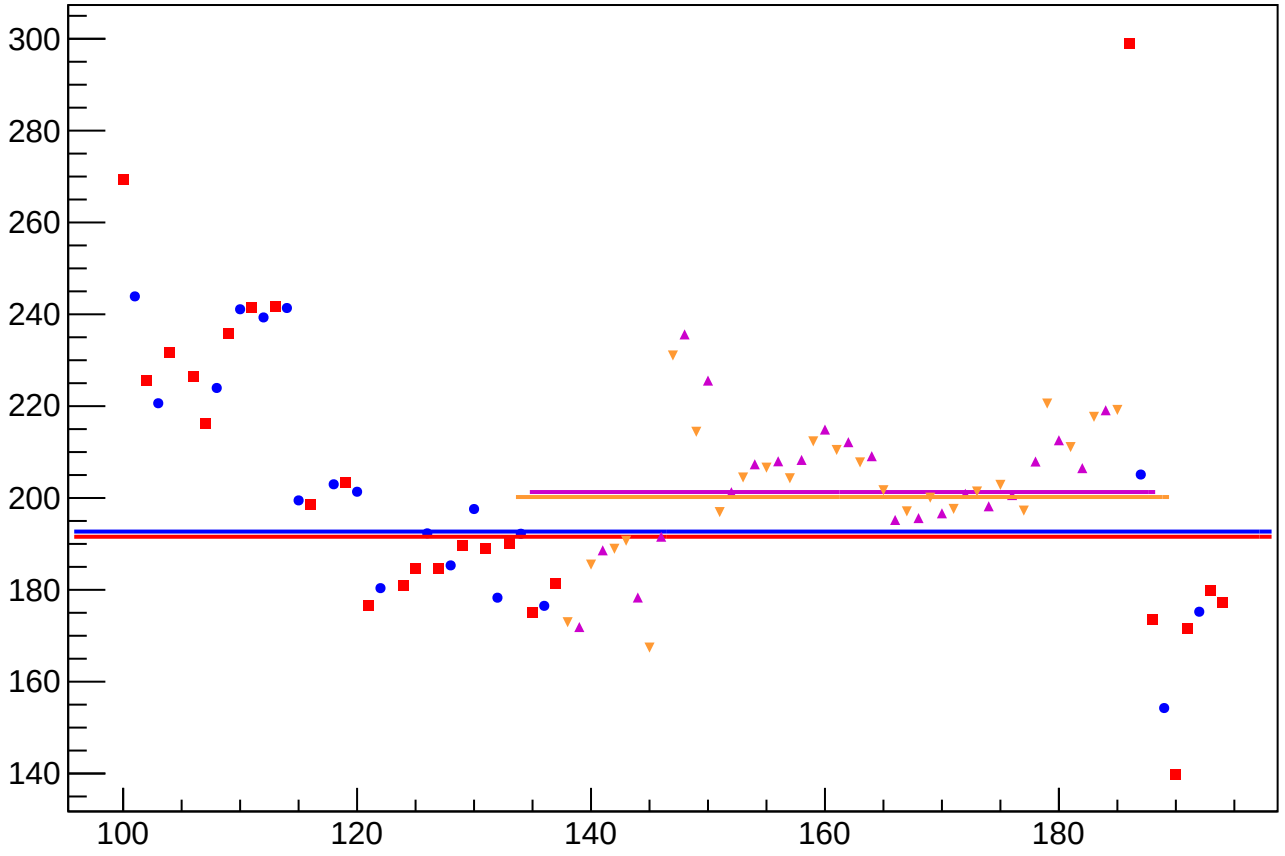
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -133.418+/-37.348 χ^2/NDF: 90.2/43

All: -7.954+/-26.147 χ^2/NDF: 172.4/91

- sign 112.651+/-36.617 χ^2/NDF: 60.1/47

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: 191.559+/-0.041 χ^2/NDF: 476657.3/24

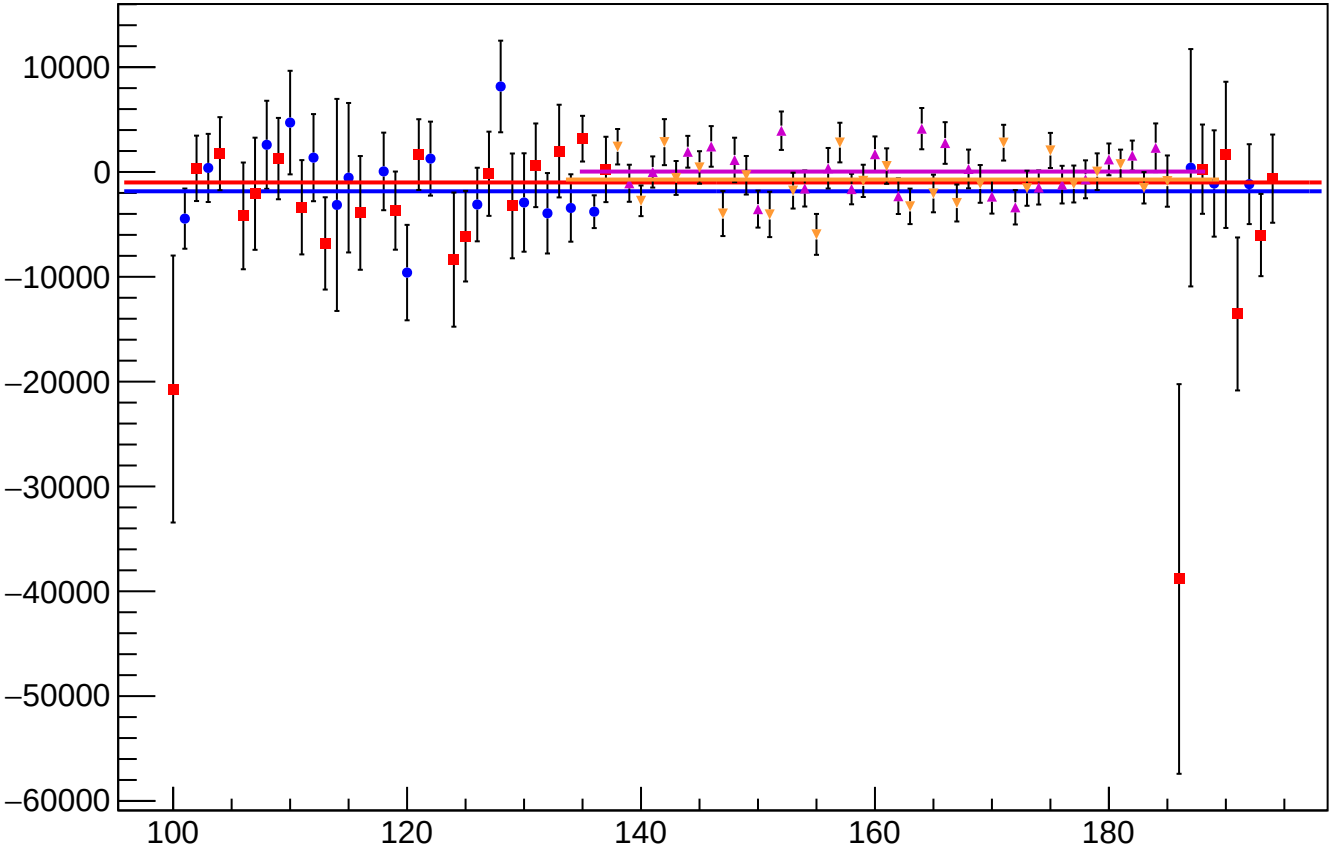
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 197.731+/-0.026 χ^2/NDF: 508464.2/43

All: 197.579+/-0.018 χ^2/NDF: 1200687.6/91

\- sign 197.434+/-0.026 χ^2/NDF: 692158.8/47

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1841.499+/-824.642 χ^2/NDF: 16.4/18

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -998.050+/-829.829 χ^2/NDF: 23.8/24

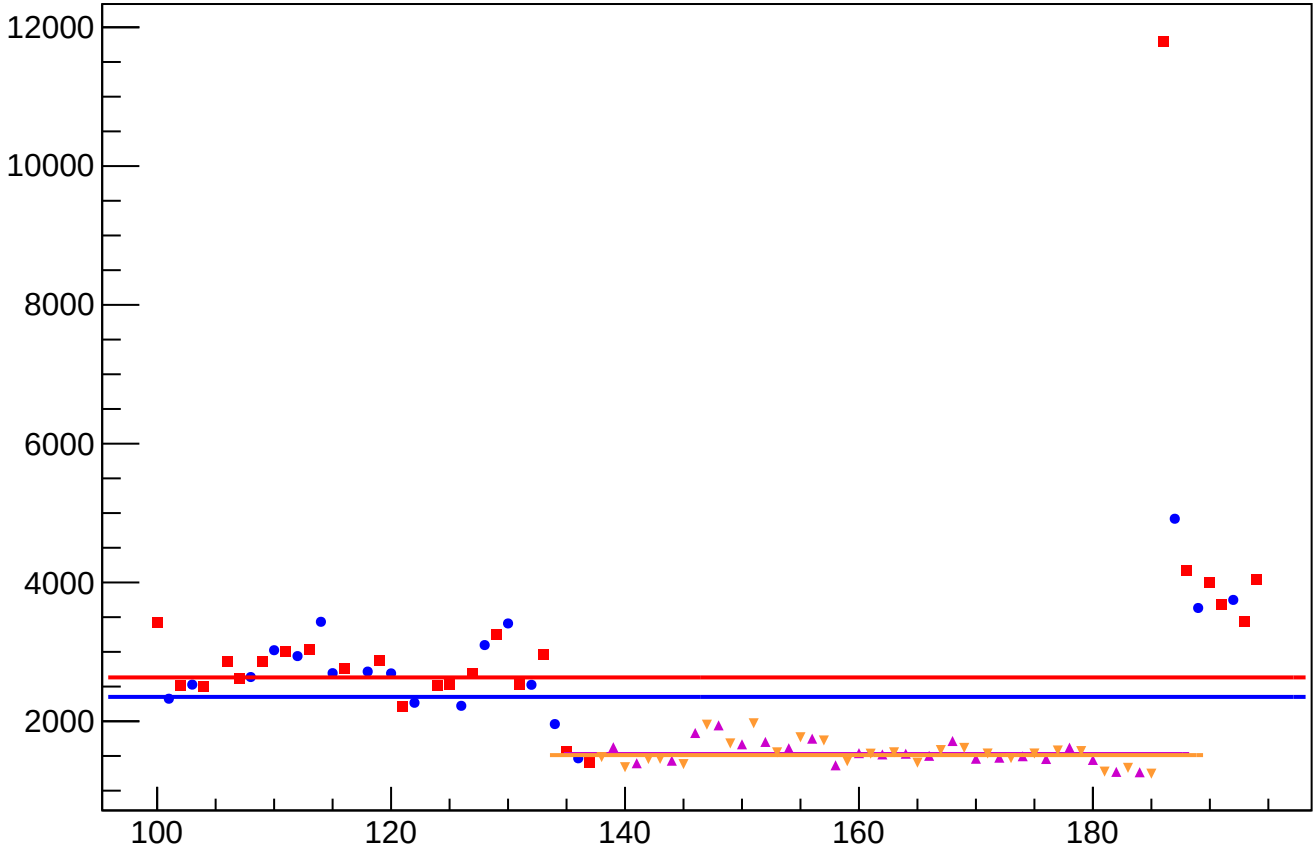
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -888.785+/-319.349 χ^2/NDF: 56.2/43

All: -518.803+/-229.384 χ^2/NDF: 118.5/91

- sign -124.464+/-329.693 χ^2/NDF: 59.6/47

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: 2631.847+/-0.587 χ^2/NDF: 2109161.8/24

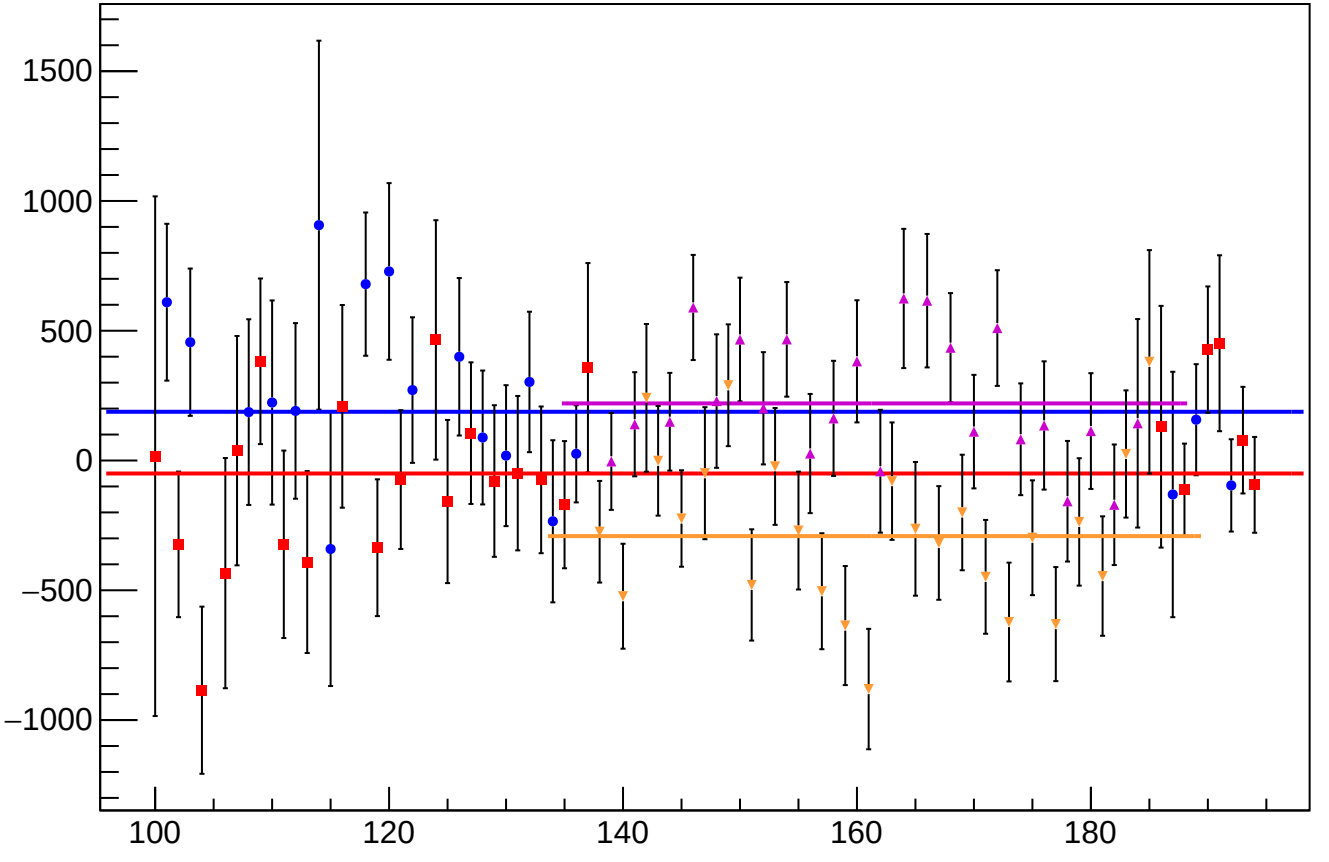
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1638.138+/-0.226 χ^2/NDF: 3688967.8/43

All: 1669.154+/-0.162 χ^2/NDF: 9191445.5/91

- sign 1702.211+/-0.233 χ^2/NDF: 5463505.2/47

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: -50.031+/-58.138 χ^2/NDF: 23.2/24

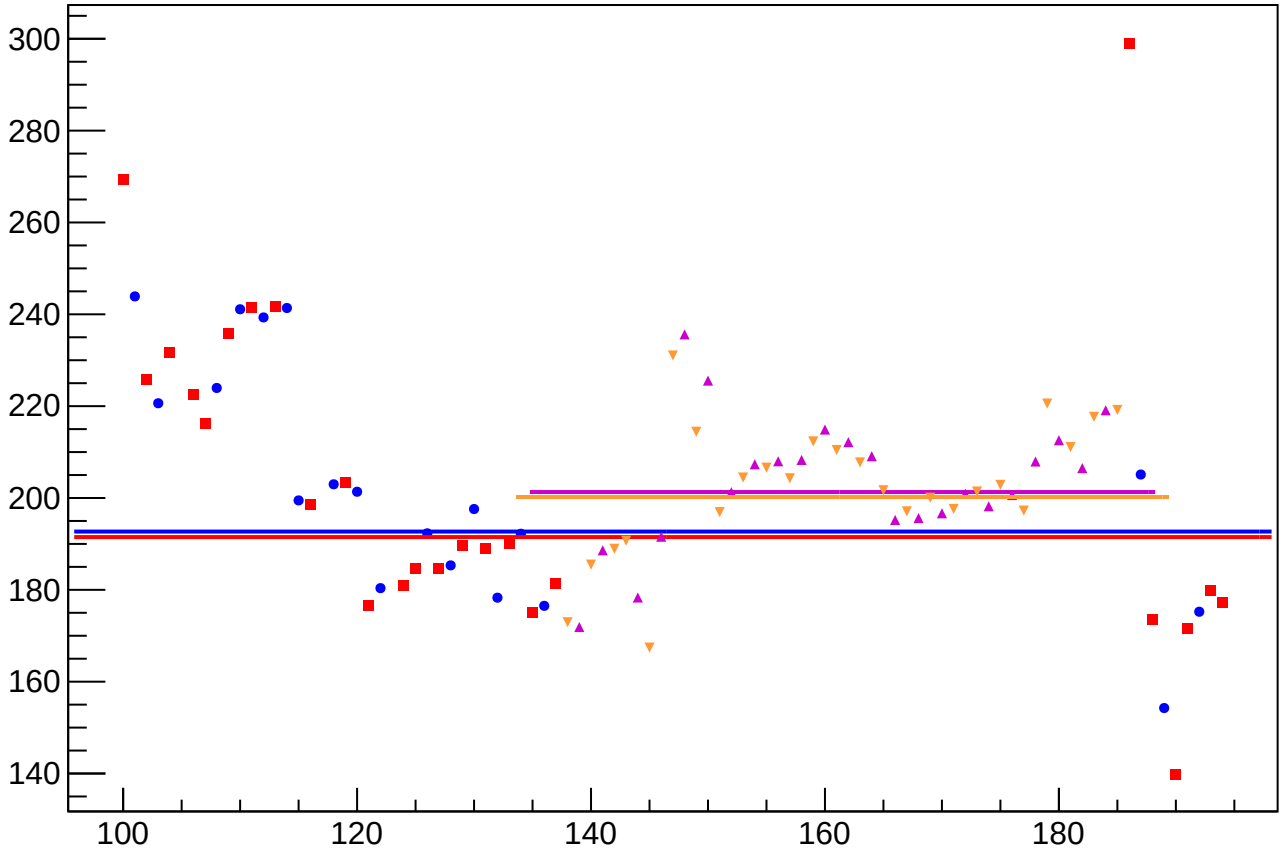
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -133.420+/-37.348 χ^2/NDF: 90.2/43

All: -7.851+/-26.147 χ^2/NDF: 172.3/91

- sign 112.862+/-36.619 χ^2/NDF: 59.9/47

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: 191.489+/-0.041 χ^2/NDF: 474013.4/24

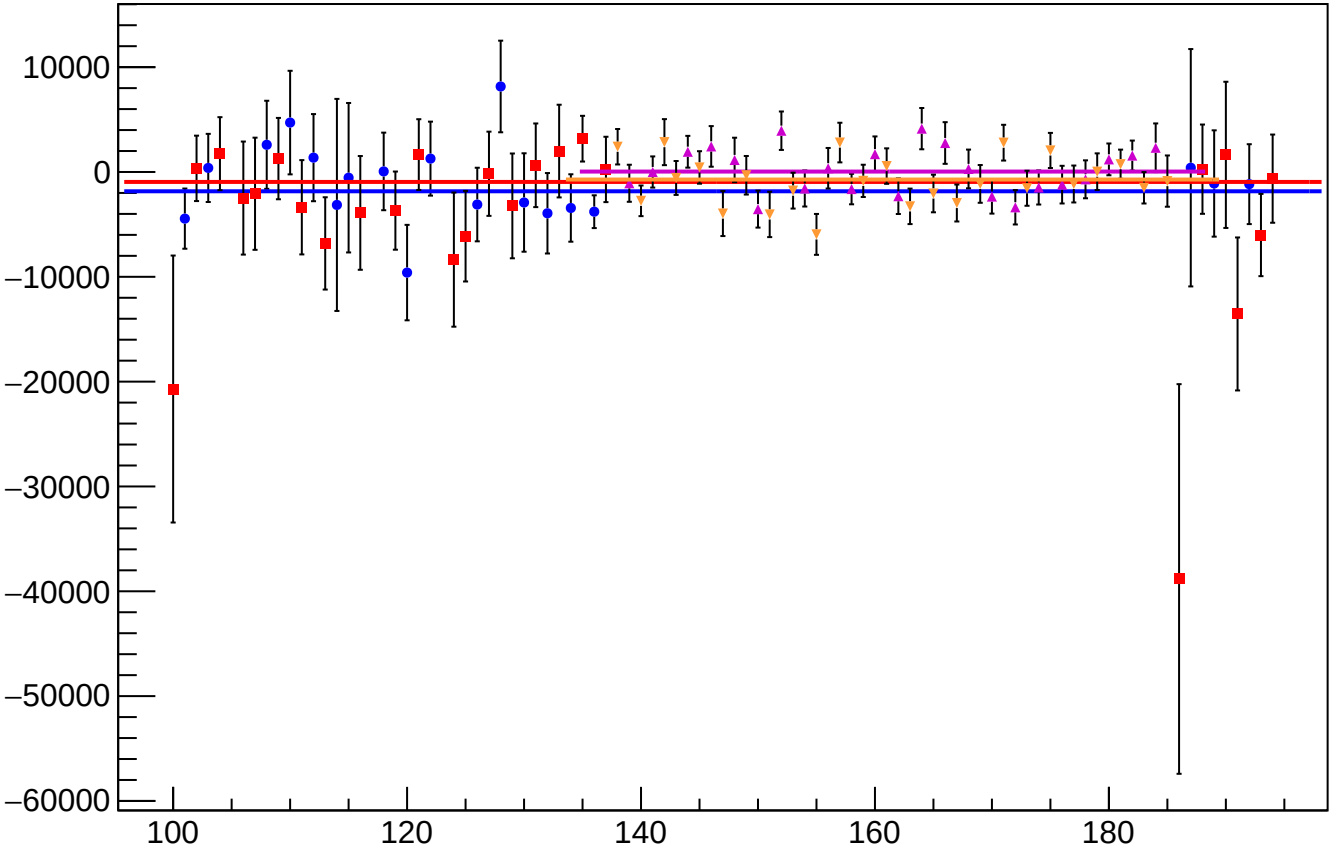
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 197.731+/-0.026 χ^2/NDF: 508464.6/43

All: 197.565+/-0.018 χ^2/NDF: 1198545.8/91

\- sign 197.406+/-0.026 χ^2/NDF: 690004.1/47

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -1841.464+/-824.644 χ^2/NDF: 16.4/18

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -948.663+/-831.051 χ^2/NDF: 23.5/24

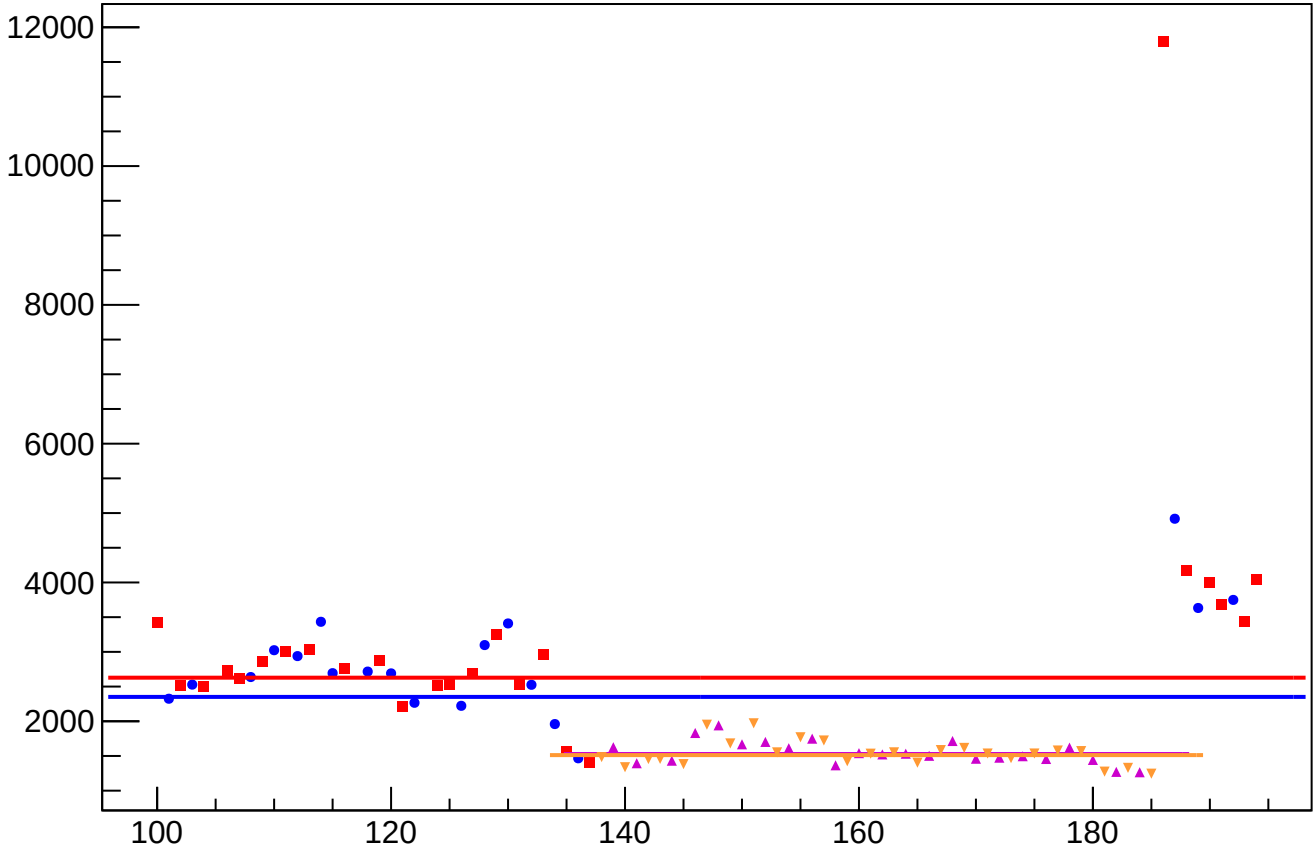
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -888.783+/-319.349 χ^2/NDF: 56.2/43

All: -514.932+/-229.409 χ^2/NDF: 118.2/91

- sign -116.284+/-329.770 χ^2/NDF: 59.1/47

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: 2628.002+/-0.588 χ^2/NDF: 2105477.1/24

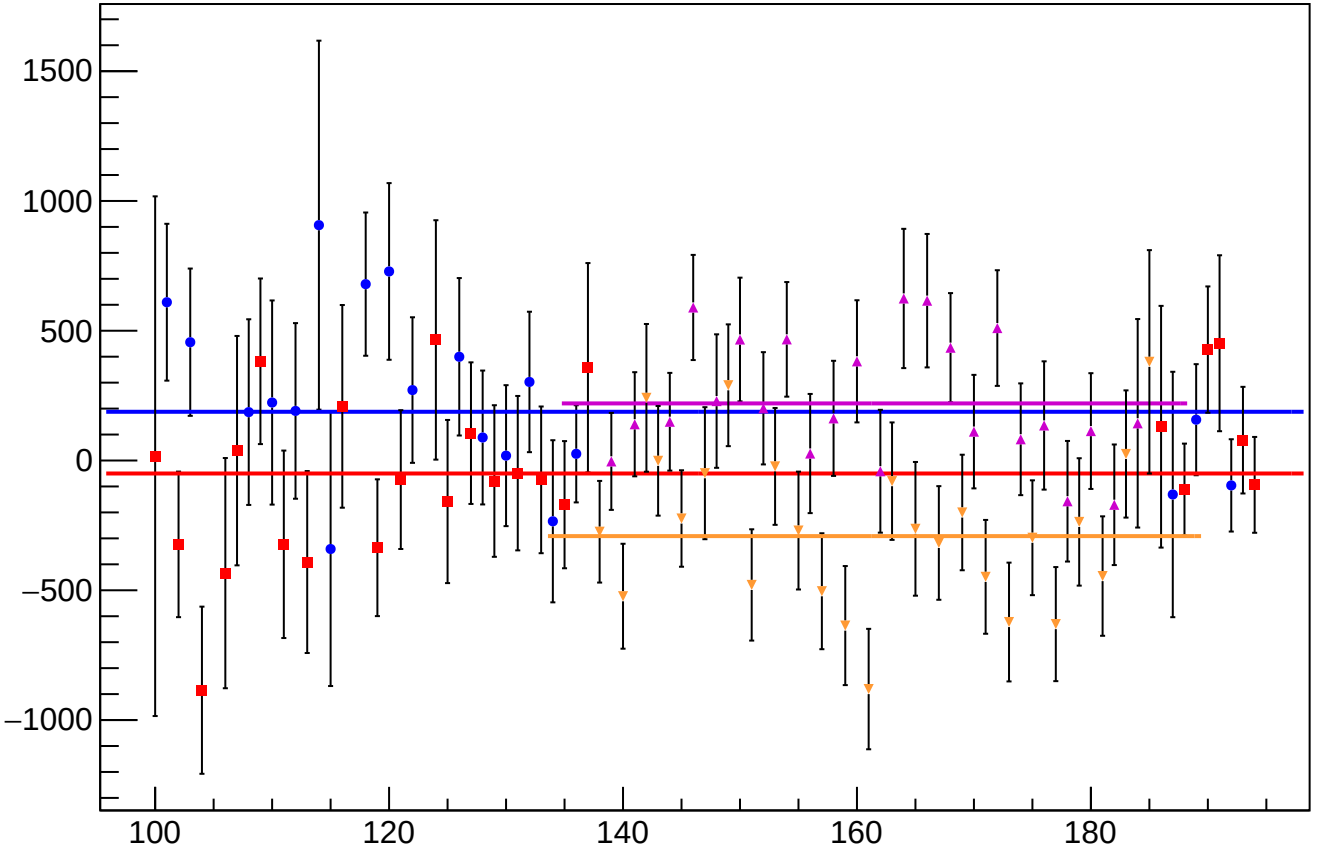
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1638.138+/-0.226 χ^2/NDF: 3688981.0/43

All: 1668.645+/-0.162 χ^2/NDF: 9158453.2/91

- sign 1701.174+/-0.233 χ^2/NDF: 5431760.3/47

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: -50.031+/-58.138 χ^2/NDF: 23.2/24

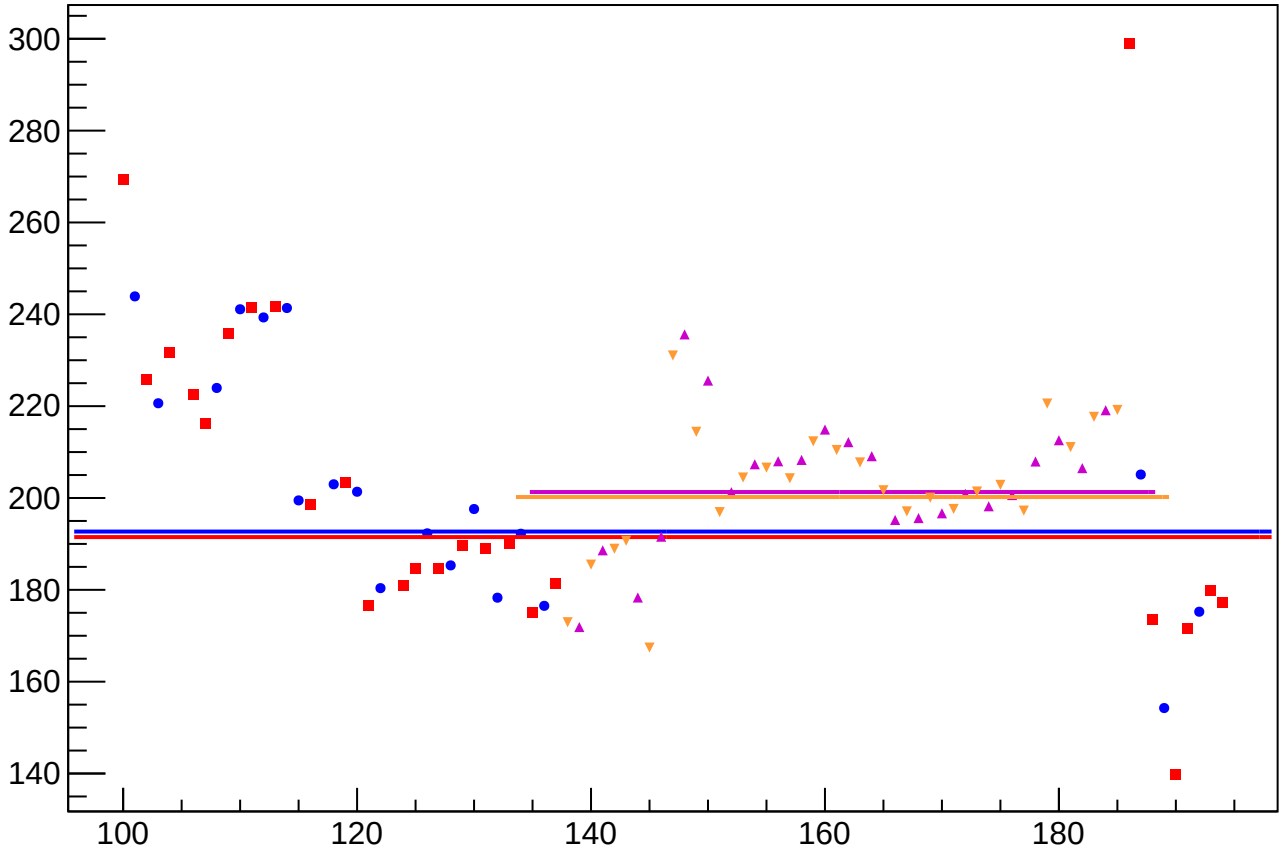
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -133.420+/-37.348 χ^2/NDF: 90.2/43

All: -7.851+/-26.147 χ^2/NDF: 172.3/91

- sign 112.862+/-36.619 χ^2/NDF: 59.9/47

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

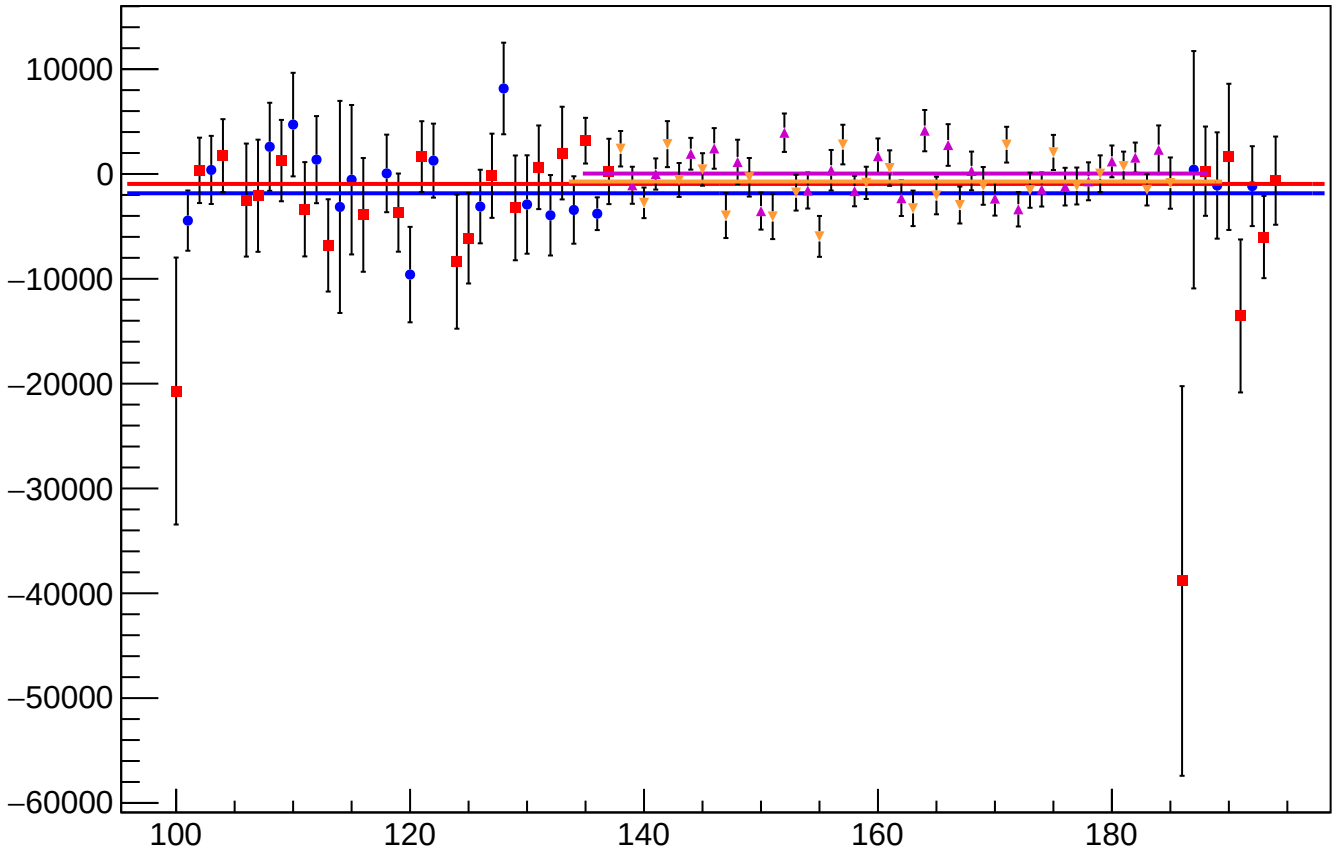
Right Out: 191.489+/-0.041 χ^2/NDF: 474013.4/24

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 197.731+/-0.026 χ^2/NDF: 508464.6/43

All: 197.565+/-0.018 χ^2/NDF: 1198545.8/91

- sign 197.406+/-0.026 χ^2/NDF: 690004.1/47



Right In: -1841.464+/-824.644 χ^2/NDF: 16.4/18

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -948.663+/-831.051 χ^2/NDF: 23.5/24

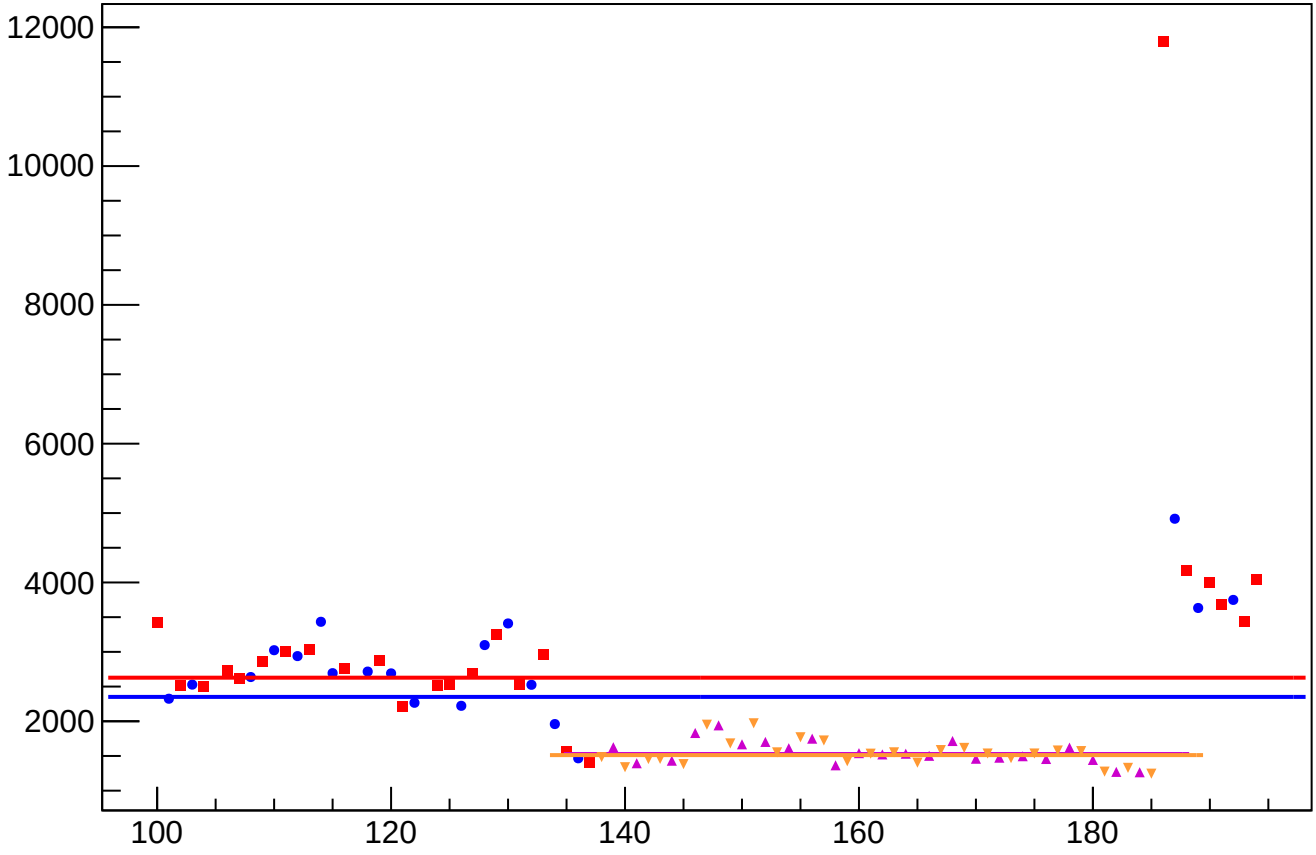
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -888.783+/-319.349 χ^2/NDF: 56.2/43

All: -514.932+/-229.409 χ^2/NDF: 118.2/91

- sign -116.284+/-329.770 χ^2/NDF: 59.1/47

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: 2628.002+/-0.588 χ^2/NDF: 2105477.1/24

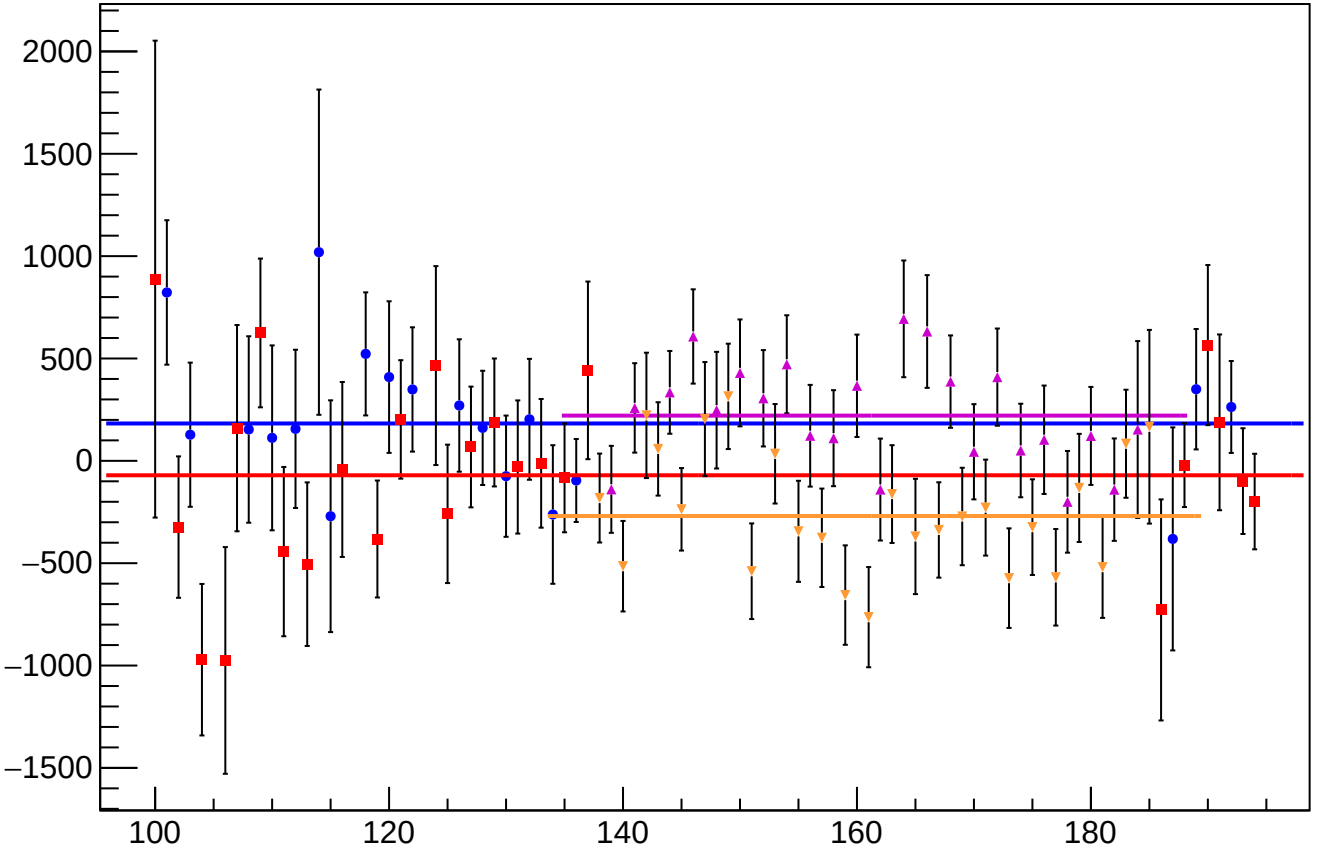
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1638.138+/-0.226 χ^2/NDF: 3688981.0/43

All: 1668.645+/-0.162 χ^2/NDF: 9158453.2/91

- sign 1701.174+/-0.233 χ^2/NDF: 5431760.3/47

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: -70.534+/-67.527 χ^2/NDF: 26.5/24

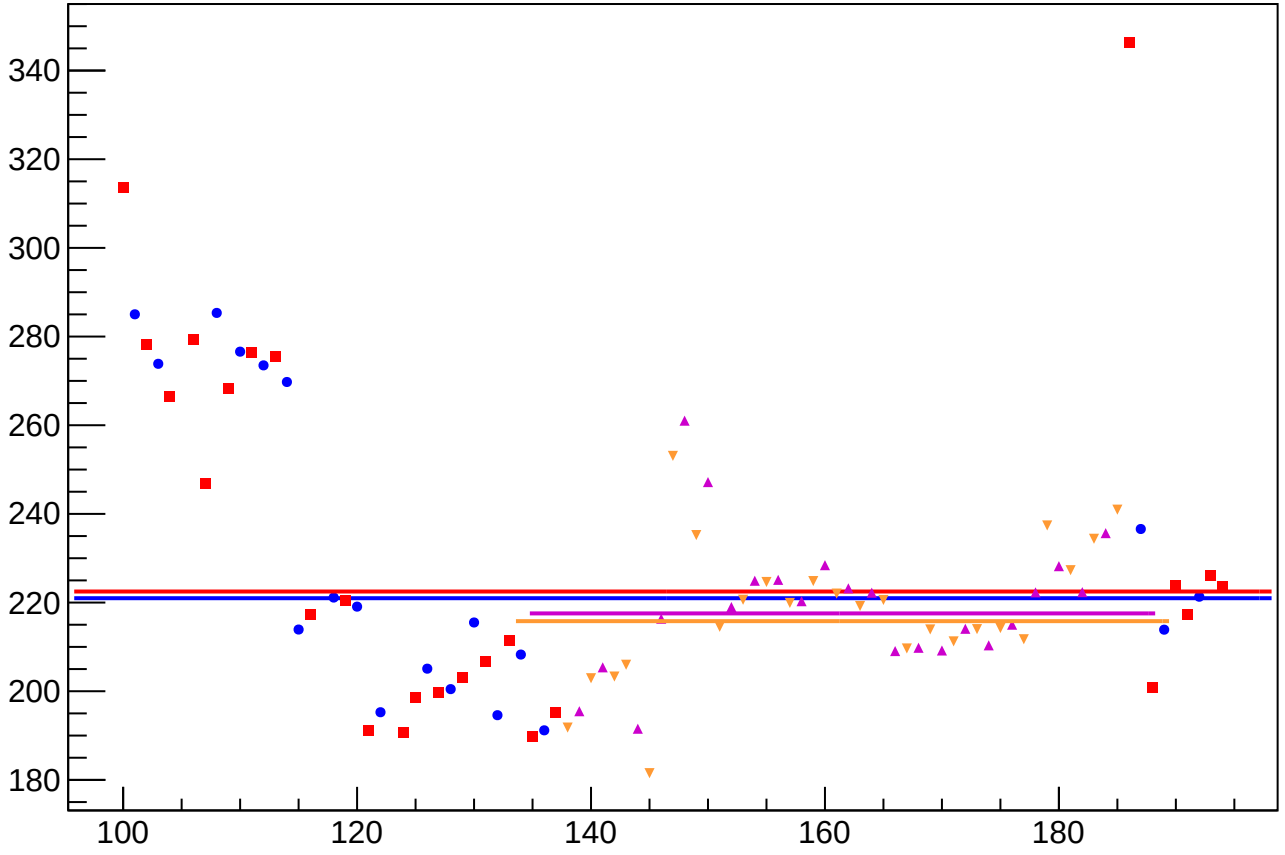
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -132.866+/-41.054 χ^2/NDF: 70.1/43

All: -7.693+/-28.894 χ^2/NDF: 150.3/91

- sign 115.178+/-40.674 χ^2/NDF: 61.7/47

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

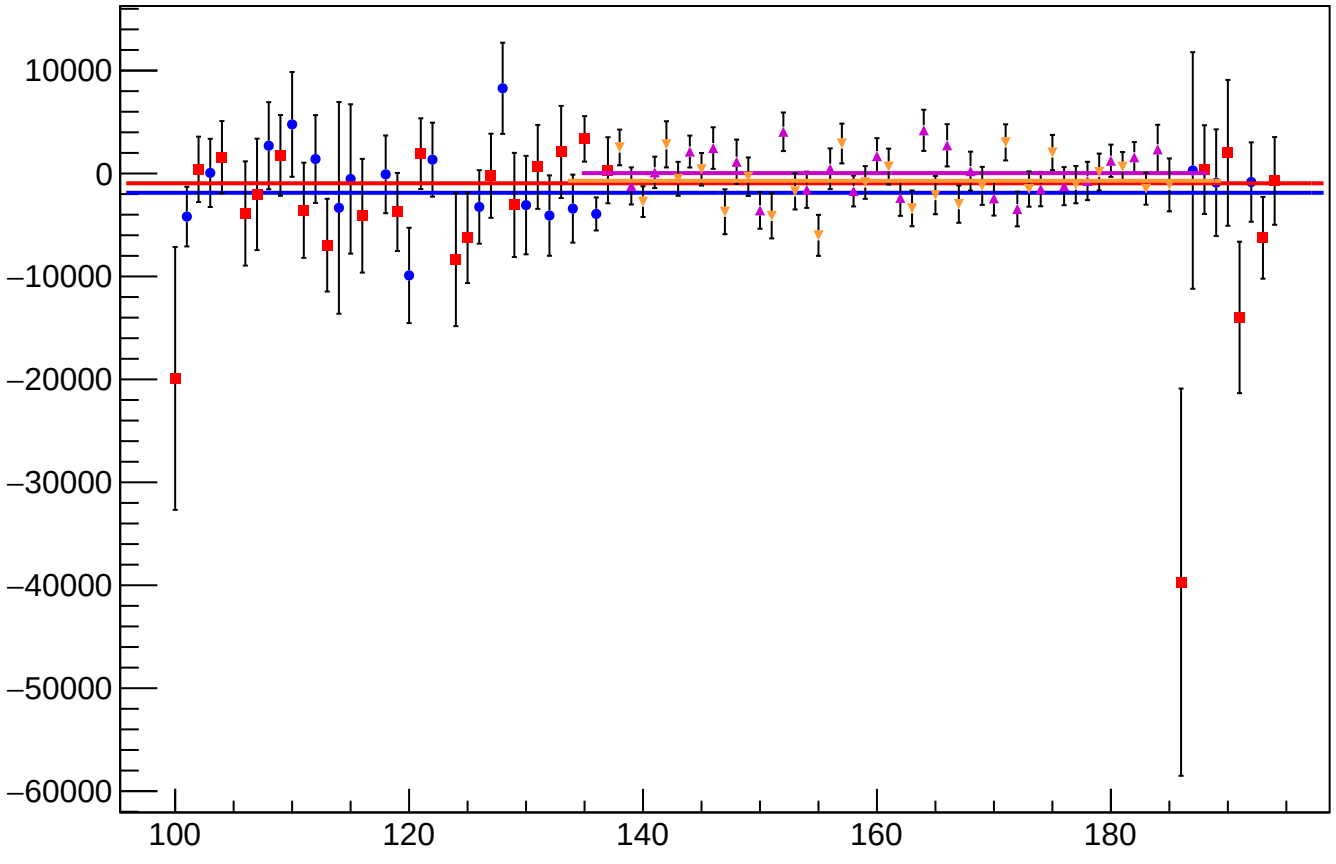
Right Out: 222.493+/-0.048 χ^2/NDF: 455257.9/24

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 217.372+/-0.029 χ^2/NDF: 516926.1/43

All: 218.369+/-0.020 χ^2/NDF: 1142401.0/91

- sign 219.347+/-0.029 χ^2/NDF: 623140.7/47



Right In: -1872.796+/-841.140 χ^2/NDF: 16.3/18

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -950.884+/-842.583 χ^2/NDF: 24.4/24

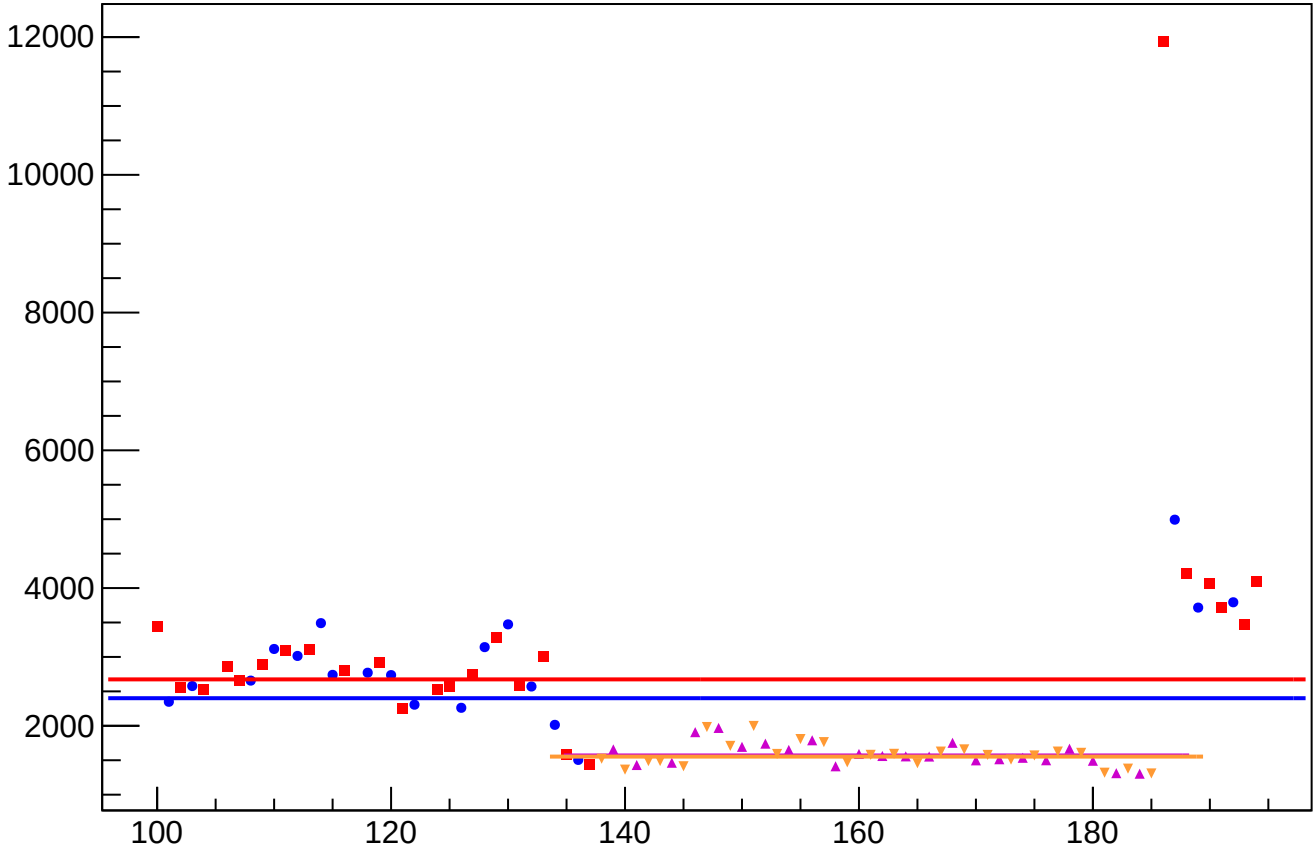
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -881.113+/-327.425 χ^2/NDF: 55.6/43

All: -512.381+/-235.144 χ^2/NDF: 118.1/91

- sign -119.655+/-337.910 χ^2/NDF: 59.9/47

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: 2674.072+/-0.596 χ^2/NDF: 2089675.9/24

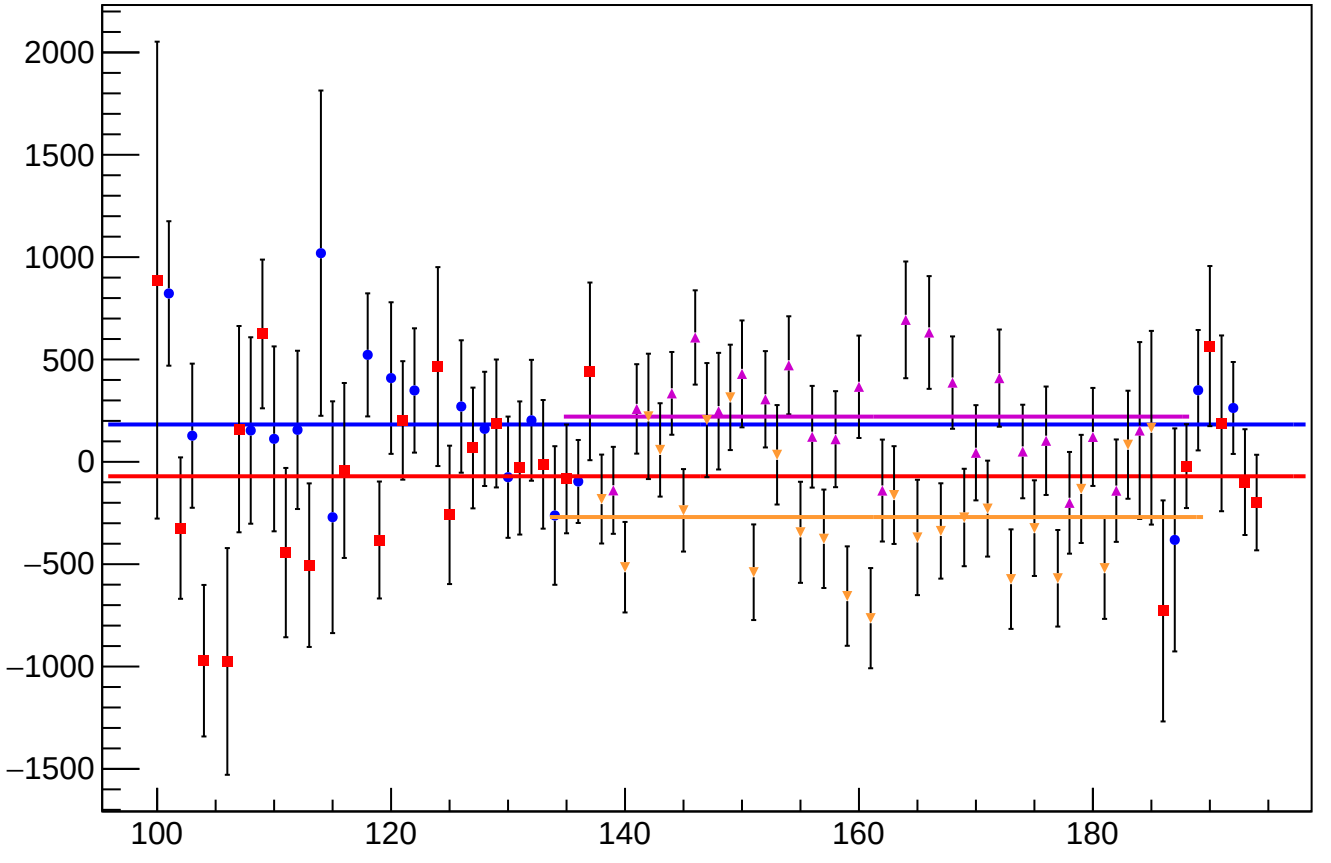
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1681.487+/-0.232 χ^2/NDF: 3593035.5/43

All: 1713.238+/-0.166 χ^2/NDF: 8963941.9/91

- sign 1747.054+/-0.239 χ^2/NDF: 5332069.4/47

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: -70.533+/-67.526 χ^2/NDF: 26.5/24

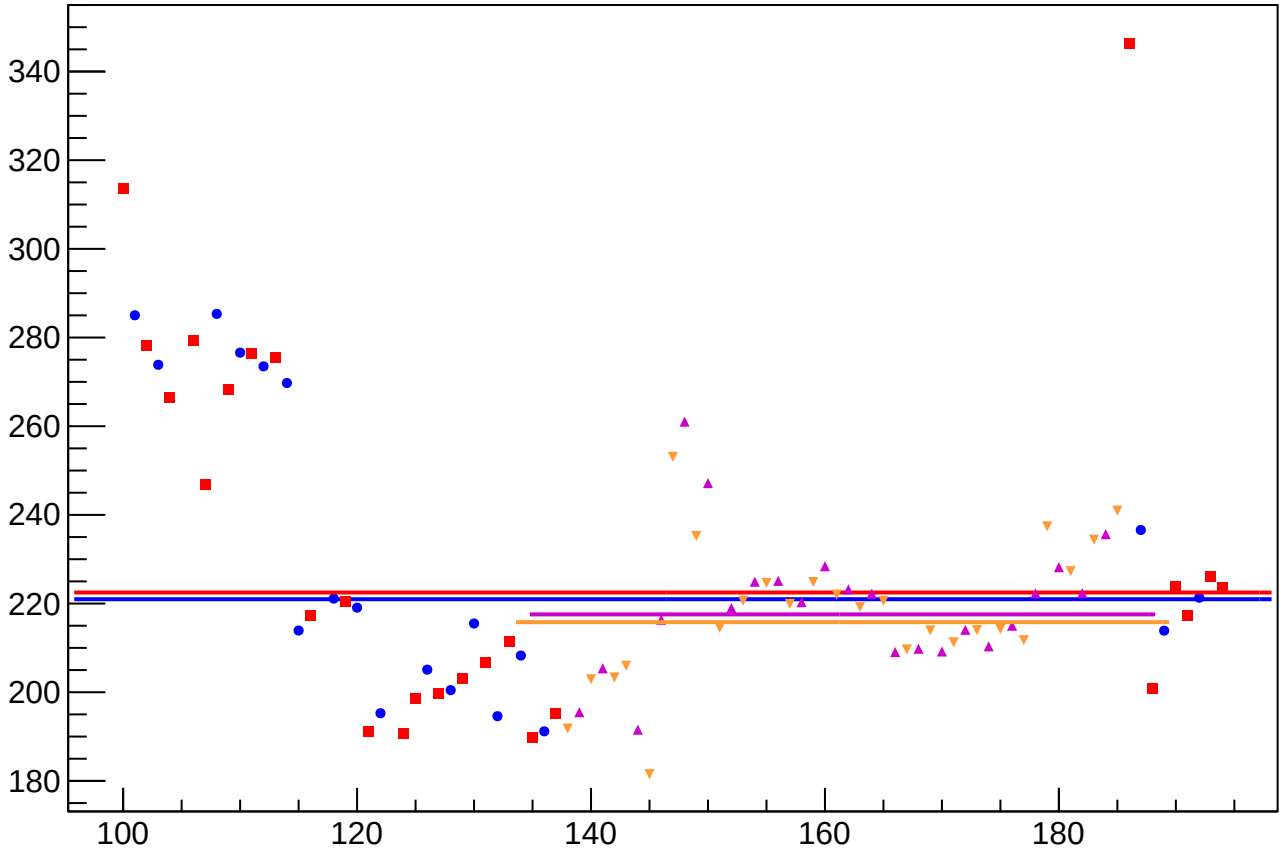
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

\+ sign -132.866+/-41.054 χ^2/NDF: 70.1/43

All: -7.693+/-28.894 χ^2/NDF: 150.3/91

\- sign 115.178+/-40.674 χ^2/NDF: 61.7/47

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

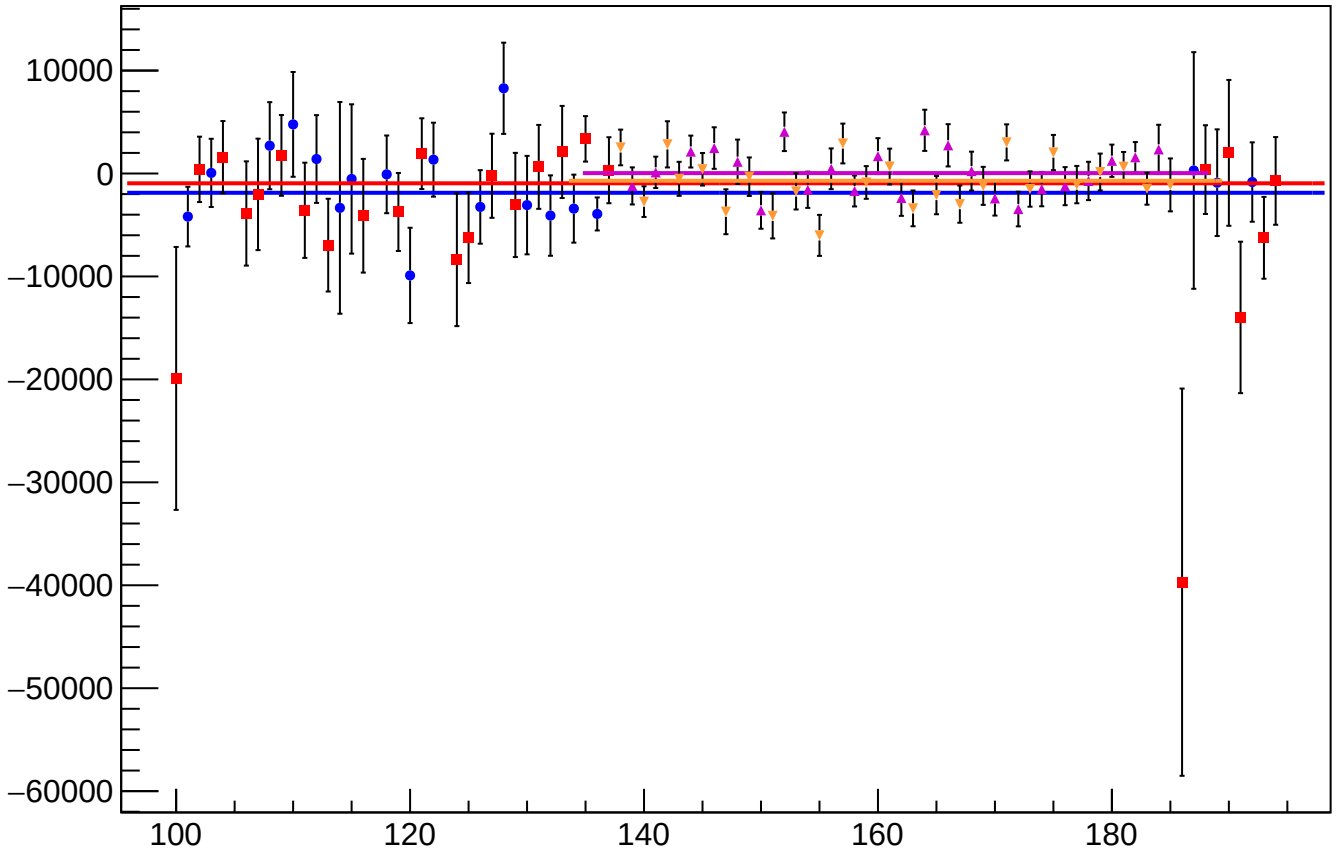
Right Out: 222.493+/-0.048 χ^2/NDF: 455242.7/24

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 217.372+/-0.029 χ^2/NDF: 516922.7/43

All: 218.368+/-0.020 χ^2/NDF: 1142383.6/91

- sign 219.346+/-0.029 χ^2/NDF: 623126.8/47



Right In: -1872.793+/-841.139 χ^2/NDF: 16.3/18

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -950.884+/-842.582 χ^2/NDF: 24.4/24

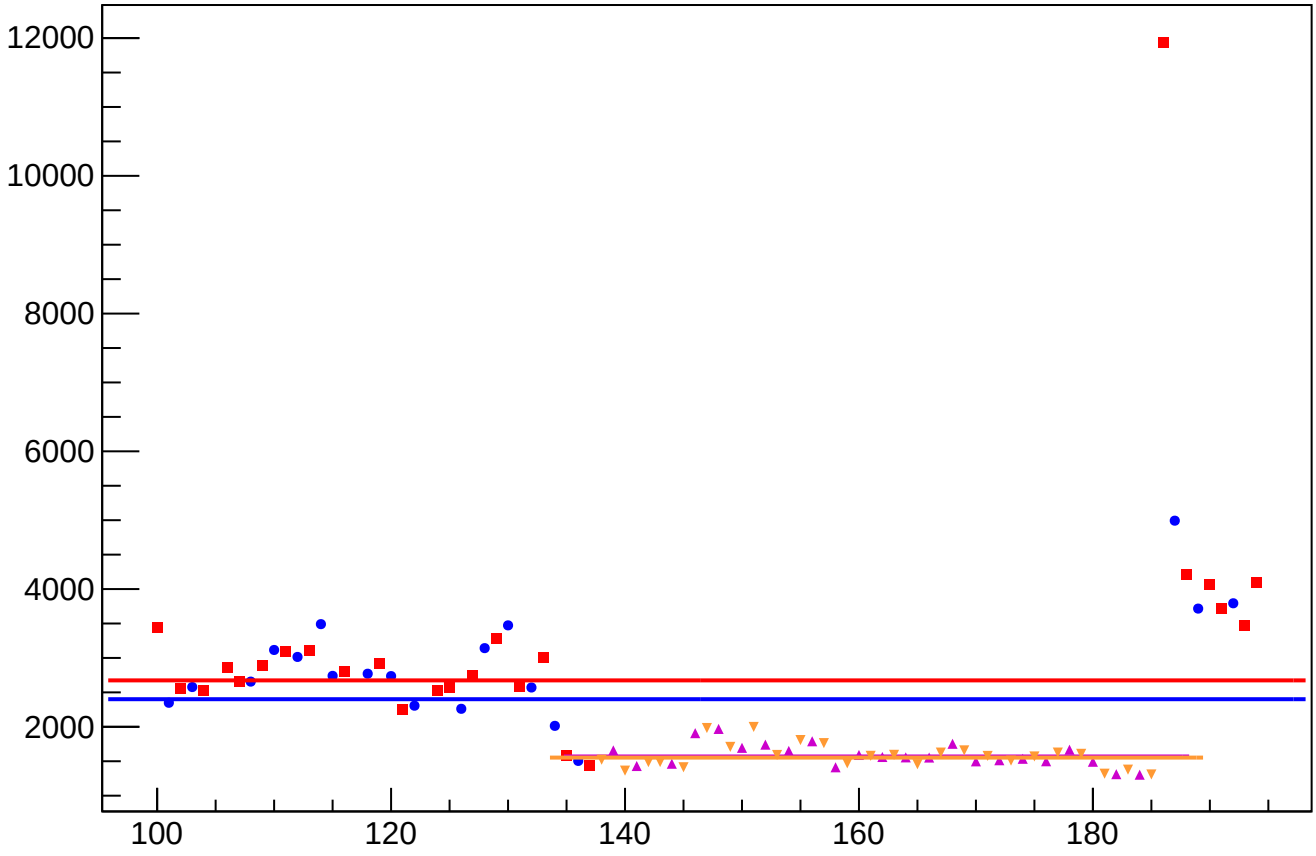
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

\+ sign -881.114+/-327.425 χ^2/NDF: 55.6/43

All: -512.381+/-235.144 χ^2/NDF: 118.1/91

\- sign -119.656+/-337.910 χ^2/NDF: 59.9/47

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: 2674.069+/-0.596 χ^2/NDF: 2089674.3/24

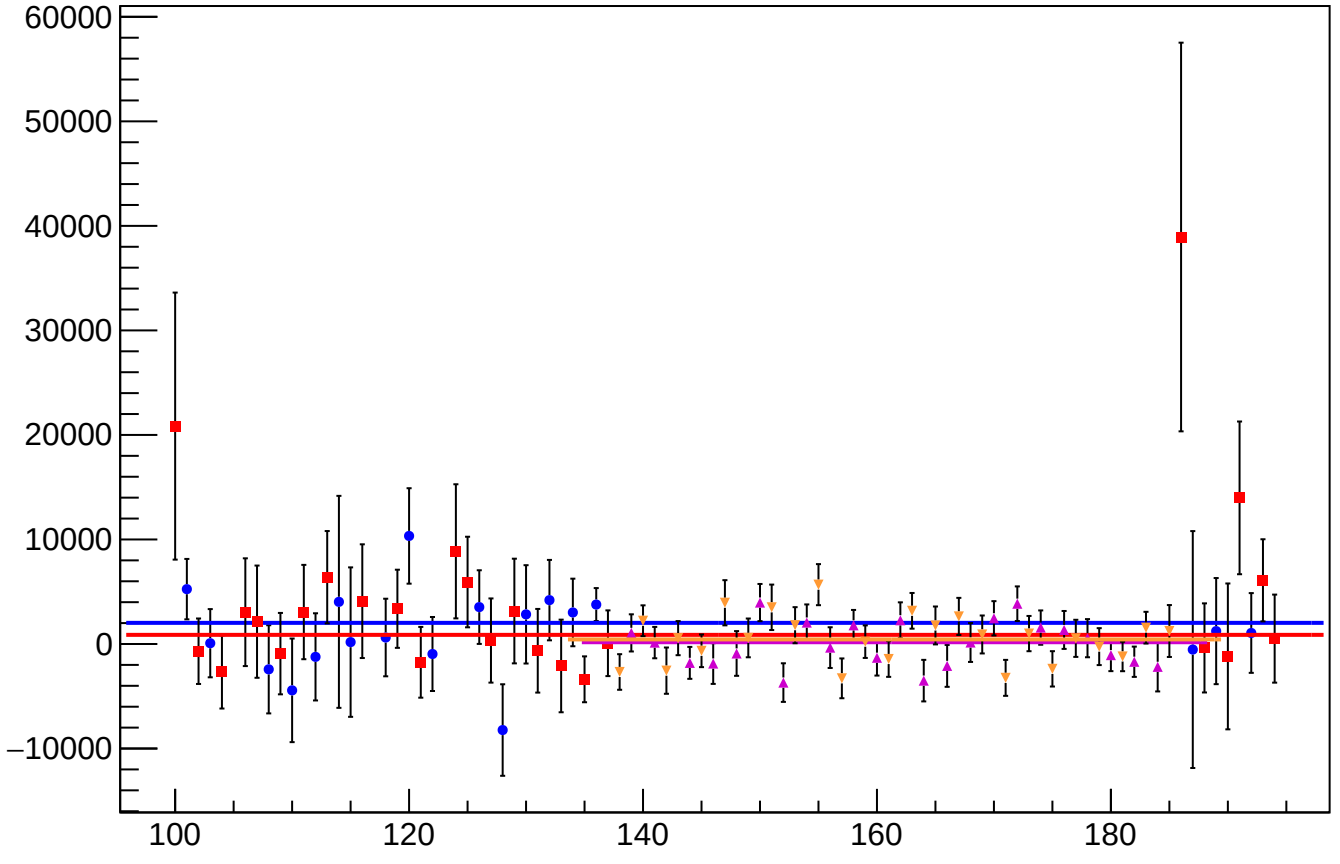
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1681.487+/-0.232 χ^2/NDF: 3593021.3/43

All: 1713.238+/-0.166 χ^2/NDF: 8963915.6/91

- sign 1747.054+/-0.239 χ^2/NDF: 5332057.9/47

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: 874.128+/-833.059 χ^2/NDF: 24.3/24

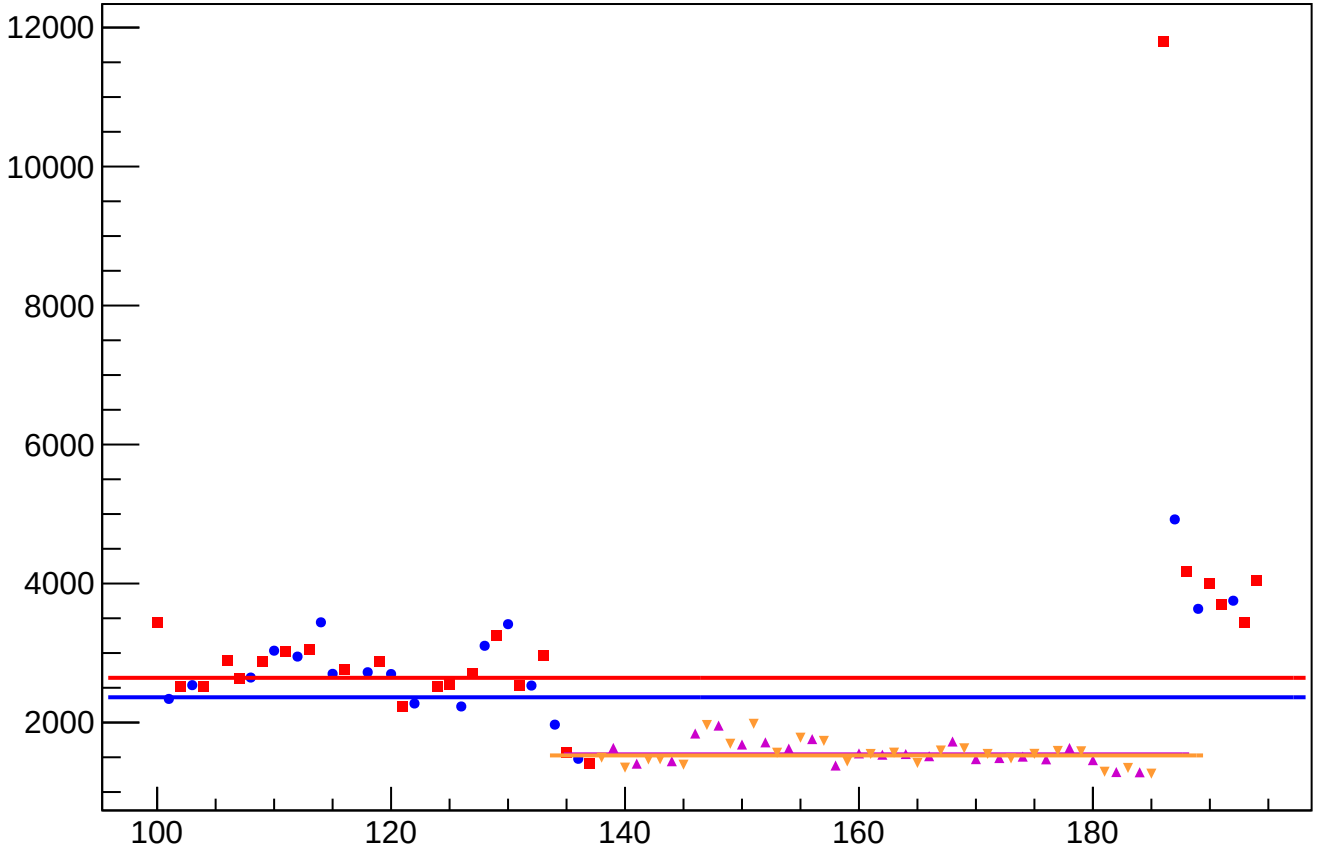
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 677.069+/-322.079 χ^2/NDF: 58.7/43

All: 485.773+/-231.318 χ^2/NDF: 117.3/91

- sign 281.981+/-332.433 χ^2/NDF: 57.9/47

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: 2643.213+/-0.589 χ^2/NDF: 2087613.3/24

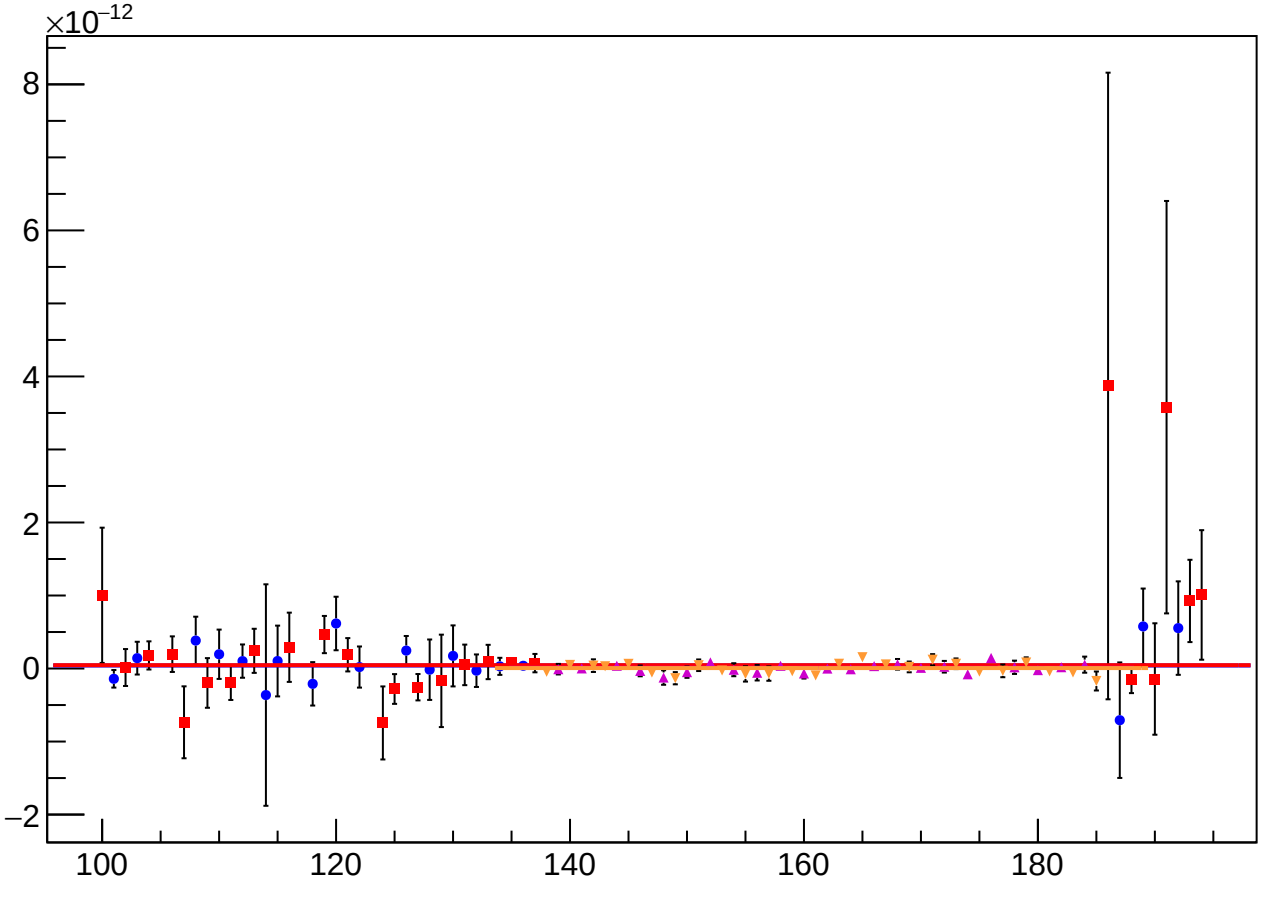
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1653.199+/-0.228 χ^2/NDF: 3628438.3/43

All: 1684.371+/-0.164 χ^2/NDF: 9053910.1/91

- sign 1717.579+/-0.235 χ^2/NDF: 5386780.1/47

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

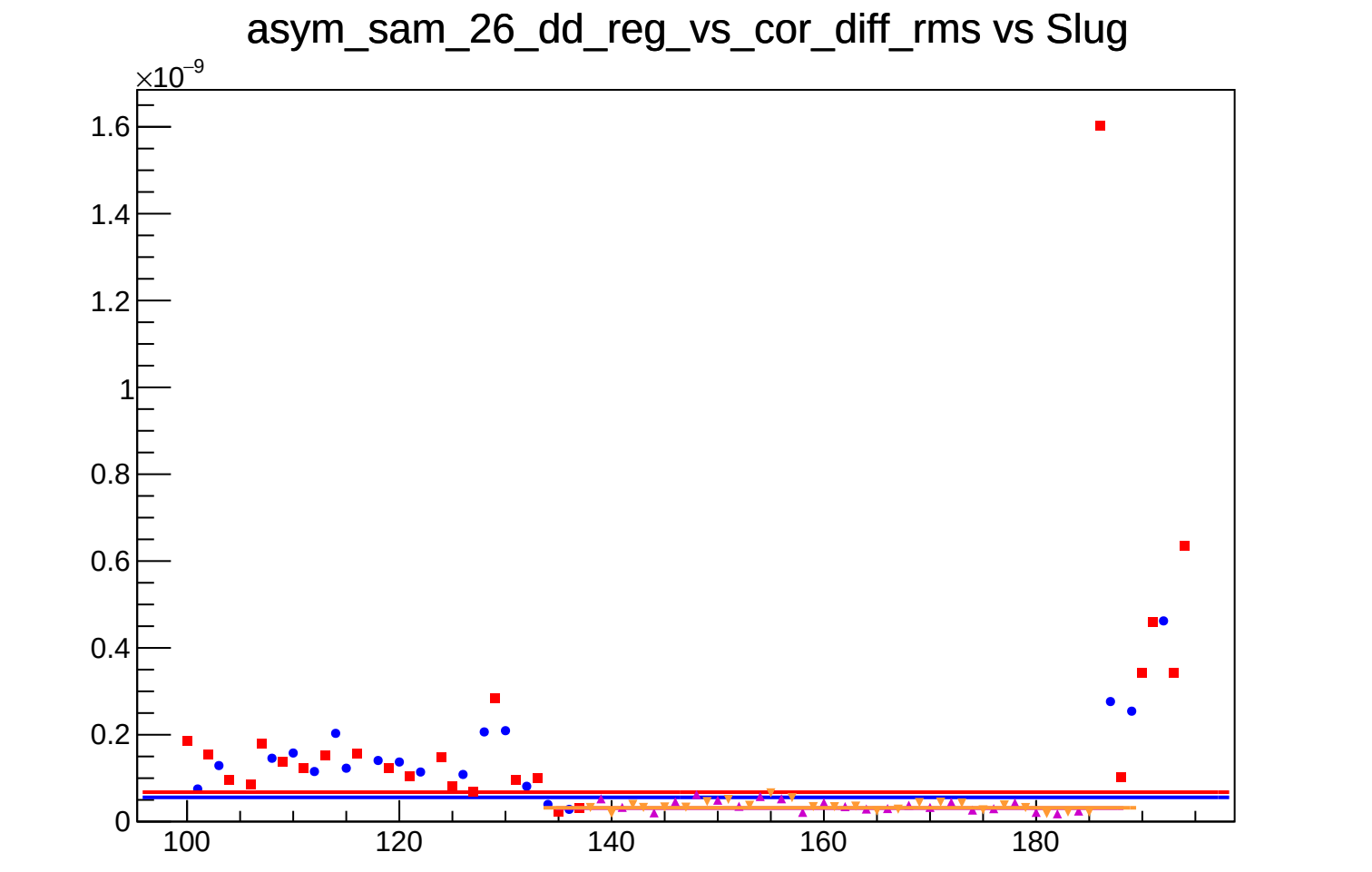
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/24

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: 85.7/91

- sign 0.000+/-0.000 χ^2/NDF: 43.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 3842282.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4369524.3/24

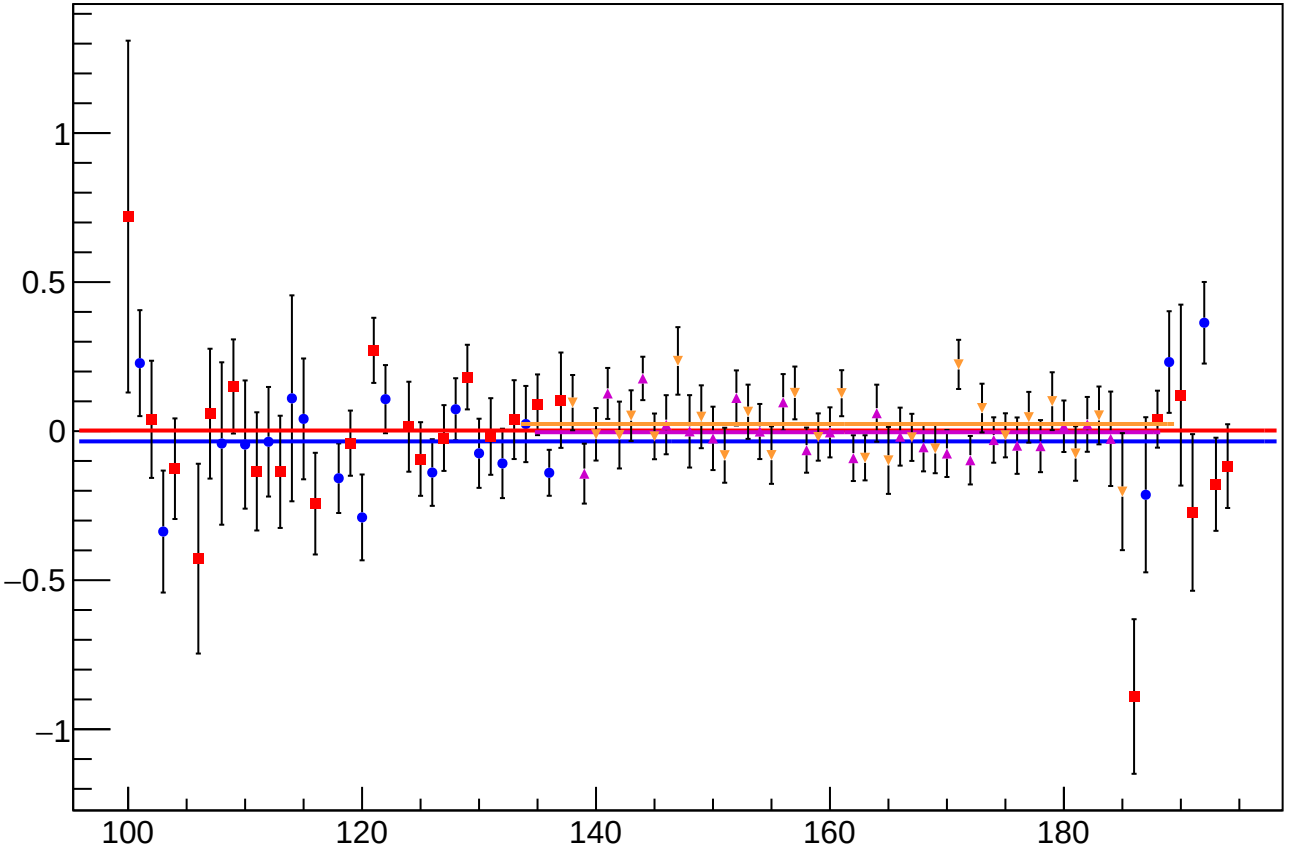
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5863798.1/43

All: 0.000+/-0.000 χ^2/NDF: 13231419.1/91

- sign 0.000+/-0.000 χ^2/NDF: 7367299.8/47

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: 0.002+/-0.029 χ^2/NDF: 34.1/24

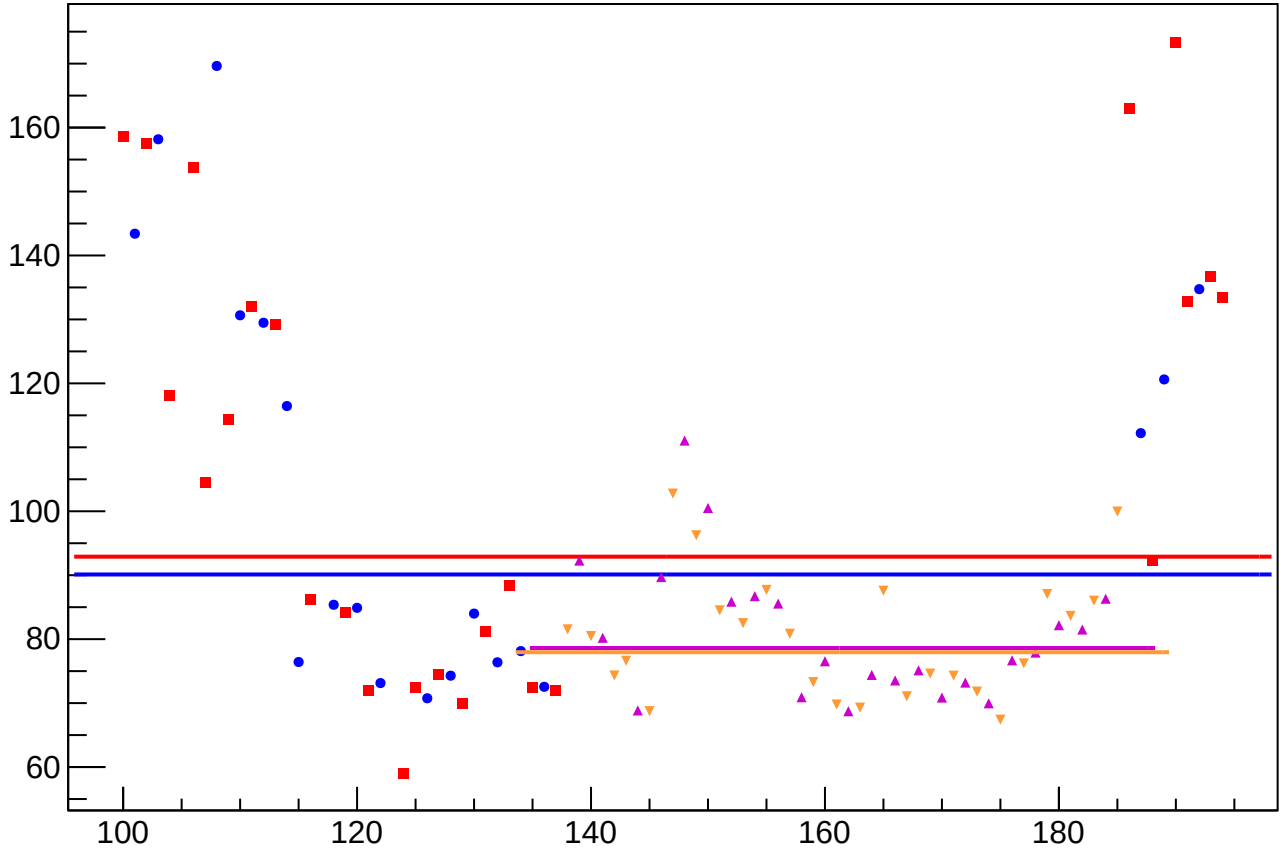
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.016 χ^2/NDF: 54.5/43

All: 0.004+/-0.011 χ^2/NDF: 107.8/91

- sign -0.002+/-0.016 χ^2/NDF: 53.0/47

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: 92.899+/-0.021 χ^2/NDF: 1733843.2/24

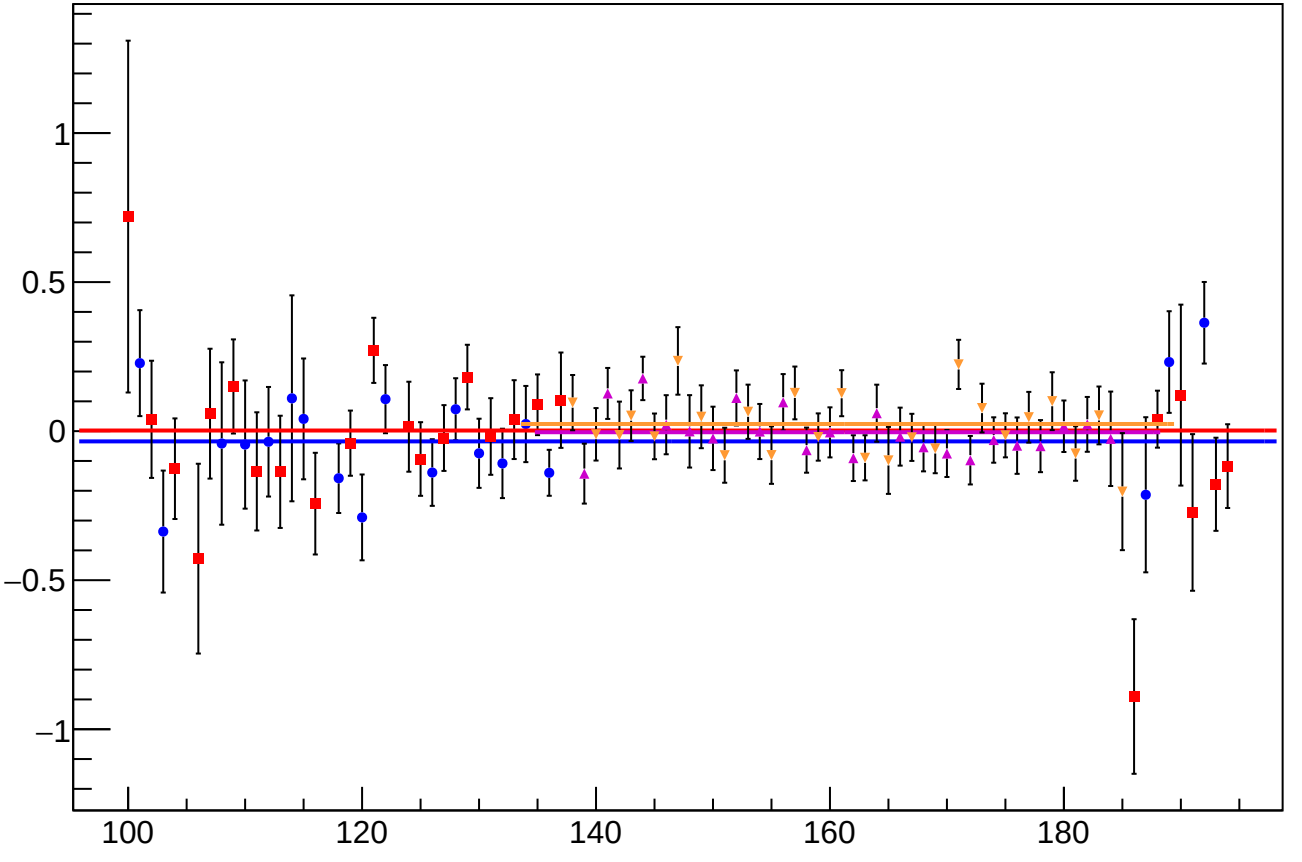
Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 80.905+/-0.011 χ^2/NDF: 2021864.3/43

All: 81.794+/-0.008 χ^2/NDF: 4605239.3/91

- sign 82.699+/-0.011 χ^2/NDF: 2570177.2/47

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

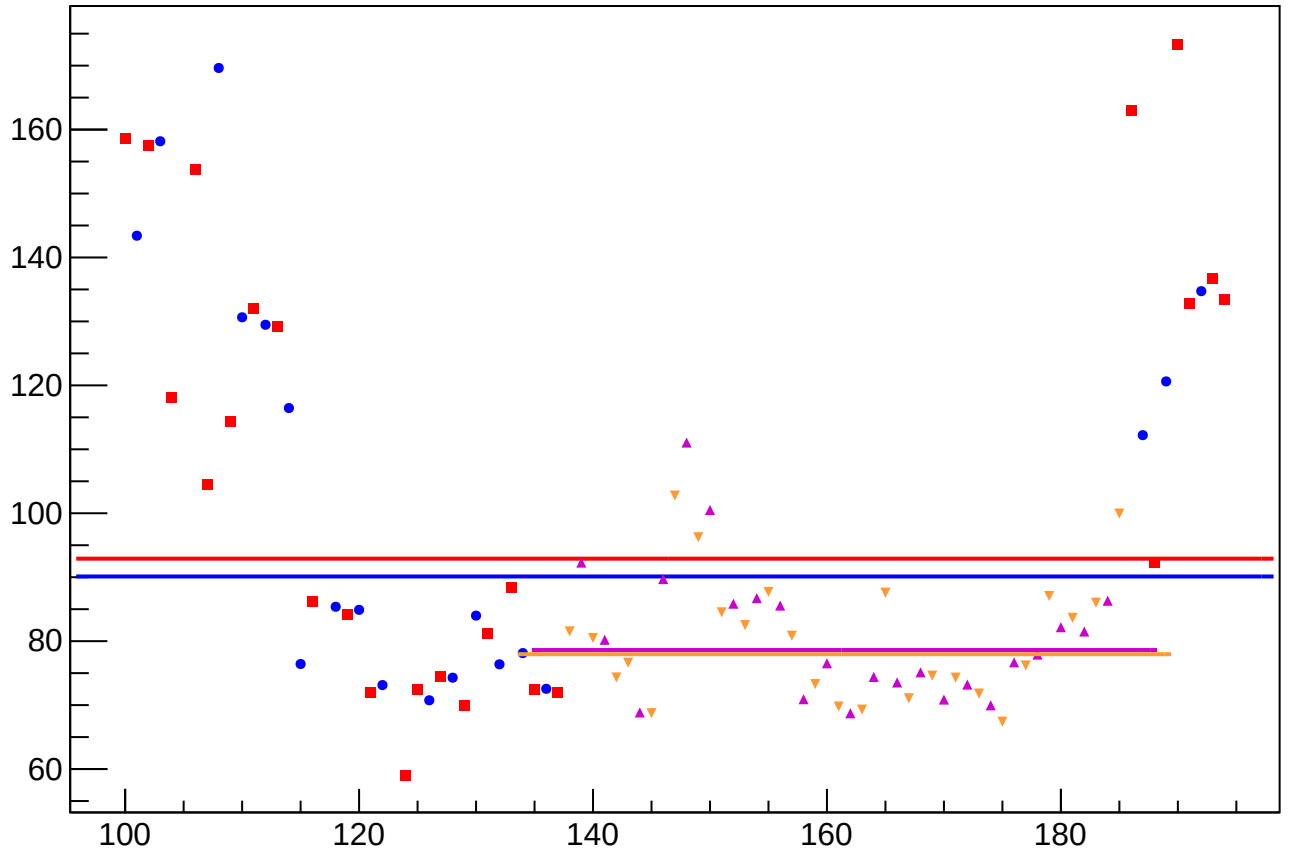
Right Out: 0.002+/-0.029 χ^2/NDF: 34.1/24

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.016 χ^2/NDF: 54.5/43

All: 0.004+/-0.011 χ^2/NDF: 107.8/91

- sign -0.002+/-0.016 χ^2/NDF: 53.0/47



Right In: 90.115+/-0.022 χ^2/NDF: 1357346.0/18

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

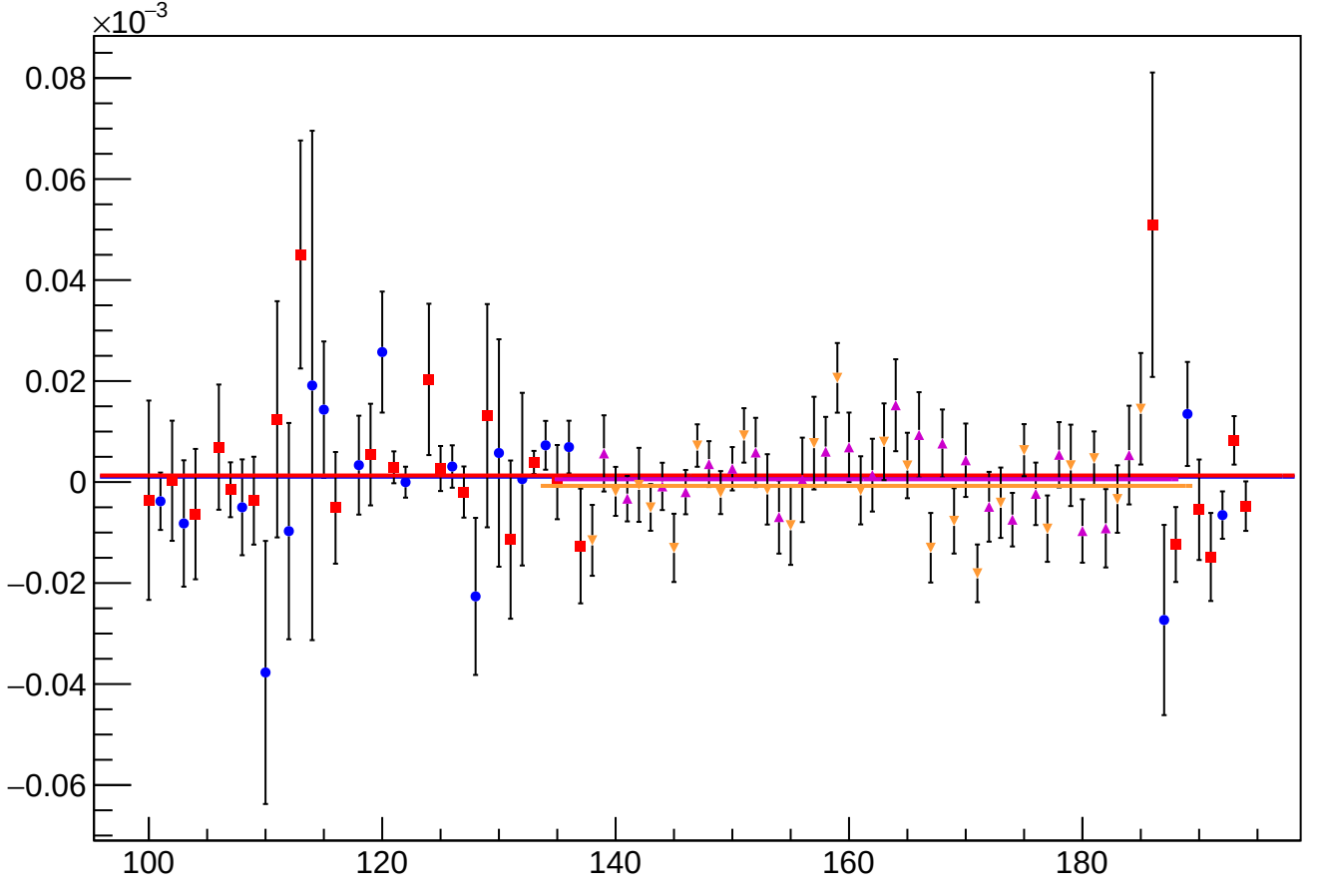
Right Out: 92.899+/-0.021 χ^2/NDF: 1733843.2/24

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 80.905+/-0.011 χ^2/NDF: 2021864.3/43

All: 81.794+/-0.008 χ^2/NDF: 4605239.3/91

- sign 82.699+/-0.011 χ^2/NDF: 2570177.2/47



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

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/24

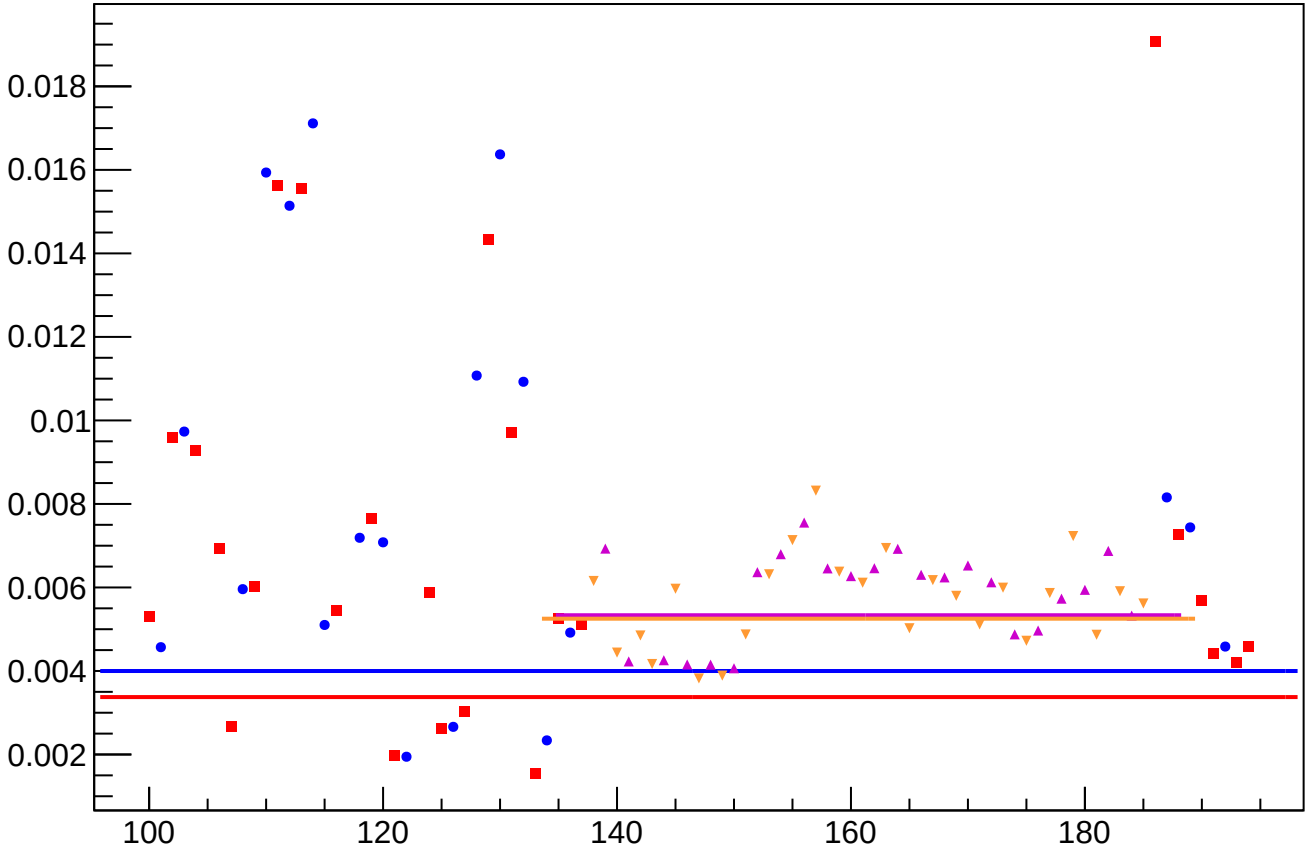
Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.9/43

All: 0.000+/-0.000 χ^2/NDF: 114.8/91

- sign 0.000+/-0.000 χ^2/NDF: 44.3/47

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 5076225.4/18

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

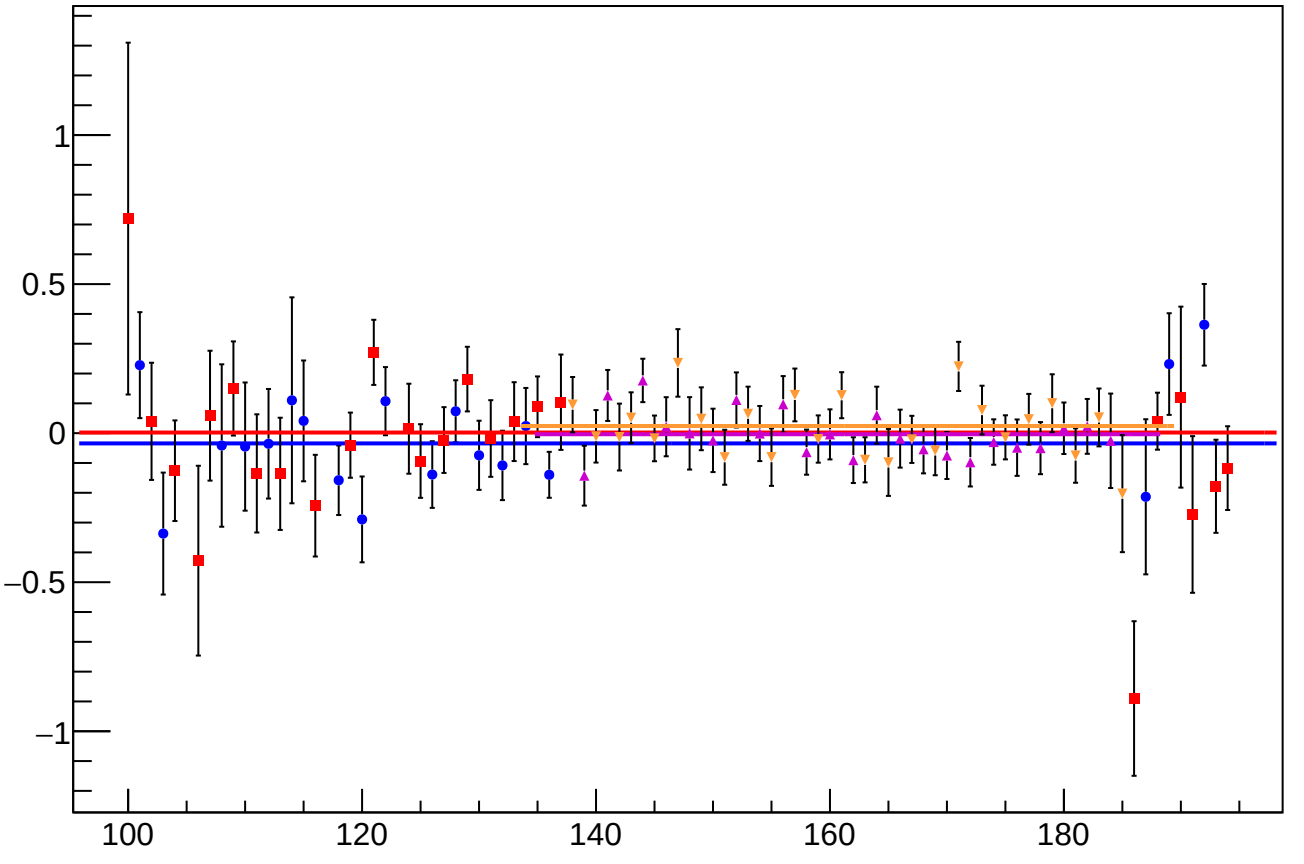
Right Out: 0.003+/-0.000 χ^2/NDF: 7134651.5/24

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: 18629750.2/91

- sign 0.004+/-0.000 χ^2/NDF: 11033743.1/47



Right In: -0.034+/-0.032 χ^2/NDF: 26.4/18

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

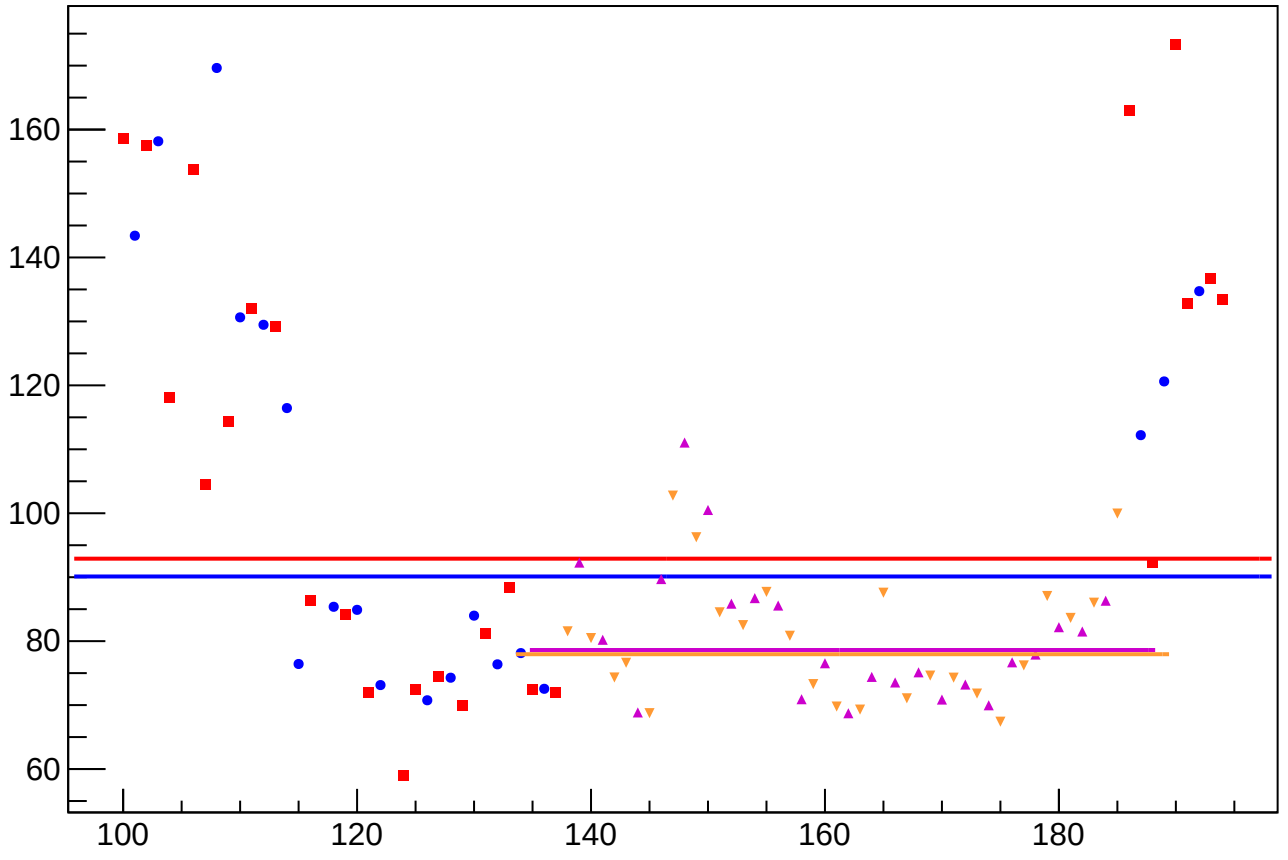
Right Out: 0.002+/-0.029 χ^2/NDF: 34.1/24

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.016 χ^2/NDF: 54.5/43

All: 0.004+/-0.011 χ^2/NDF: 107.8/91

- sign -0.002+/-0.016 χ^2/NDF: 53.0/47



Right In: 90.112+/-0.022 χ^2/NDF: 1357363.0/18

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

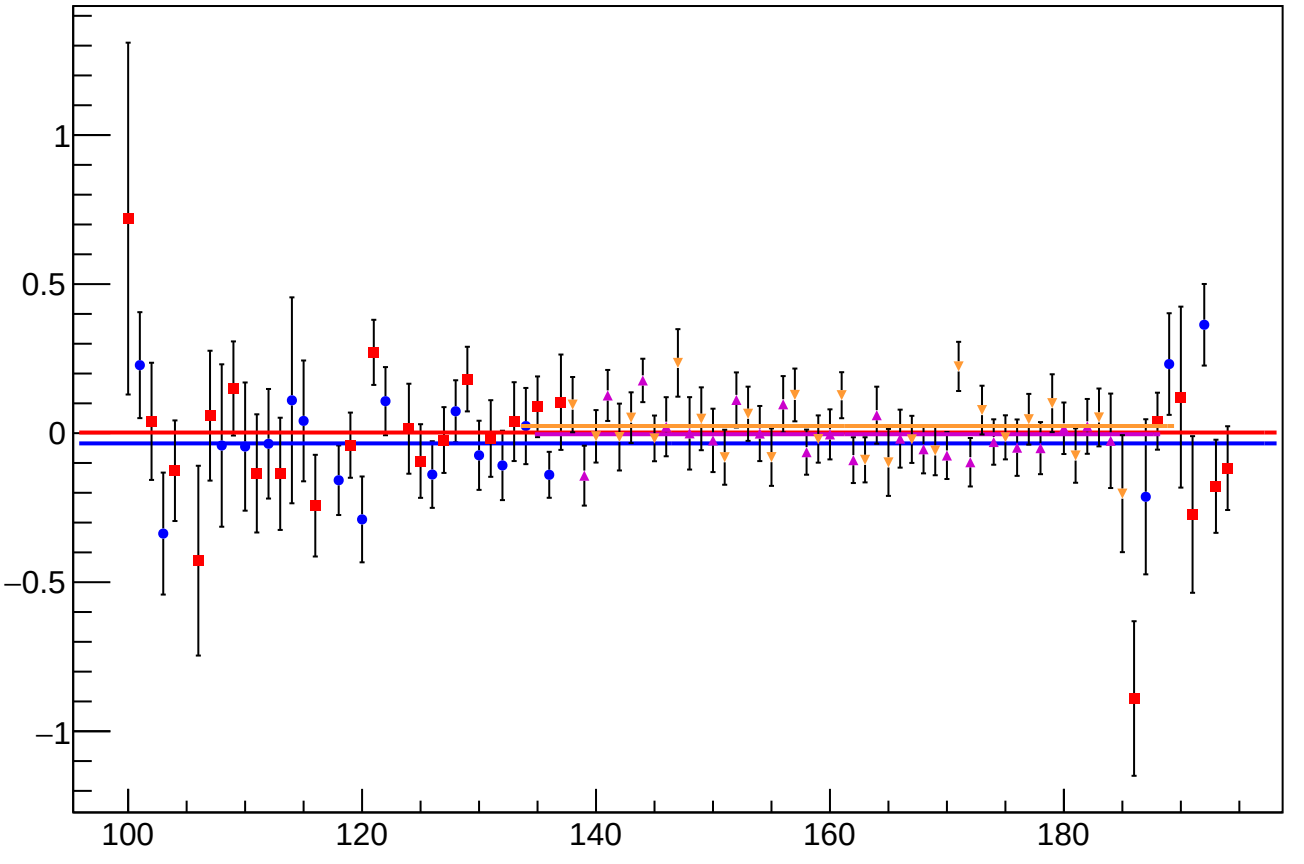
Right Out: 92.897+/-0.021 χ^2/NDF: 1733860.8/24

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 80.904+/-0.011 χ^2/NDF: 2021854.9/43

All: 81.793+/-0.008 χ^2/NDF: 4605229.0/91

- sign 82.698+/-0.011 χ^2/NDF: 2570178.9/47



Right In: -0.034+/-0.032 χ^2/NDF: 26.4/18

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

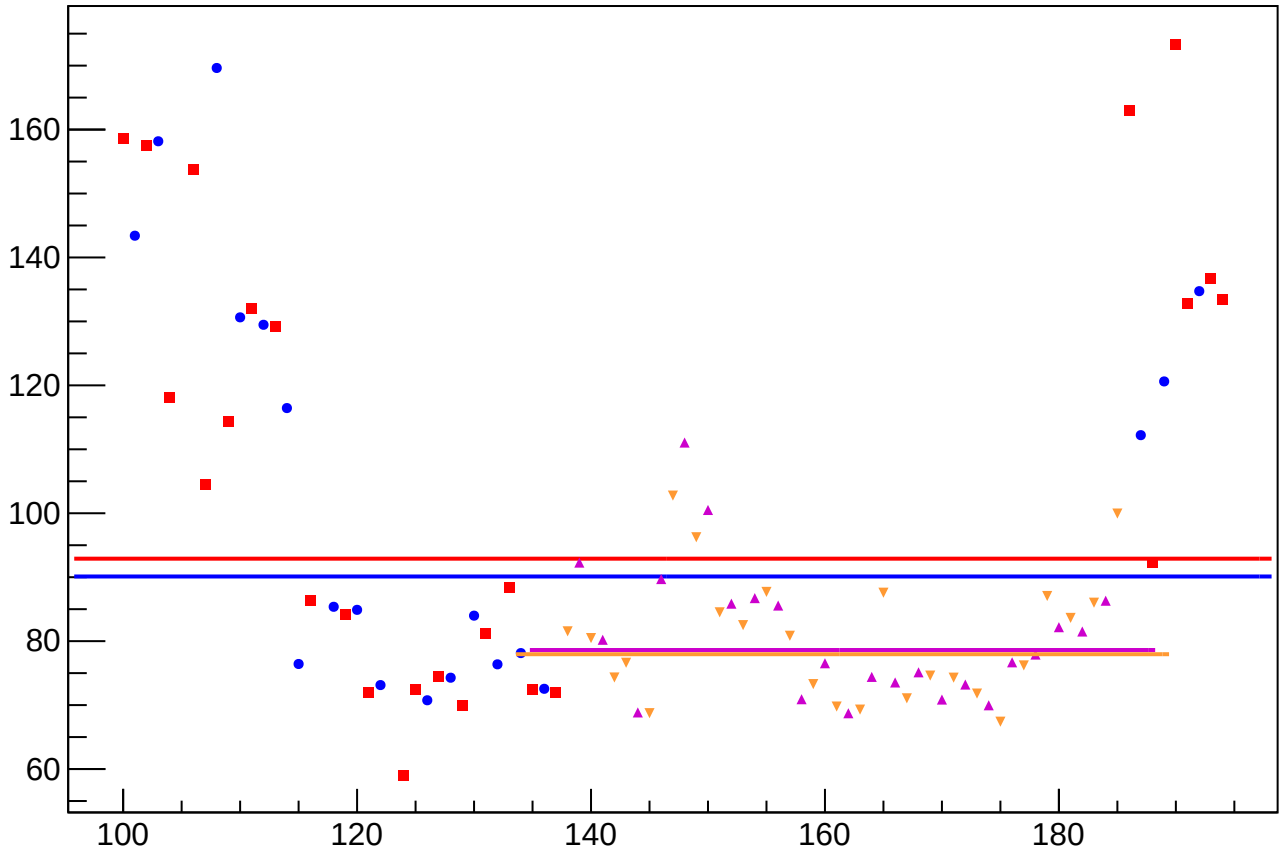
Right Out: 0.002+/-0.029 χ^2/NDF: 34.1/24

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.016 χ^2/NDF: 54.5/43

All: 0.004+/-0.011 χ^2/NDF: 107.8/91

- sign -0.002+/-0.016 χ^2/NDF: 53.0/47



Right In: 90.112+/-0.022 χ^2/NDF: 1357363.0/18

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

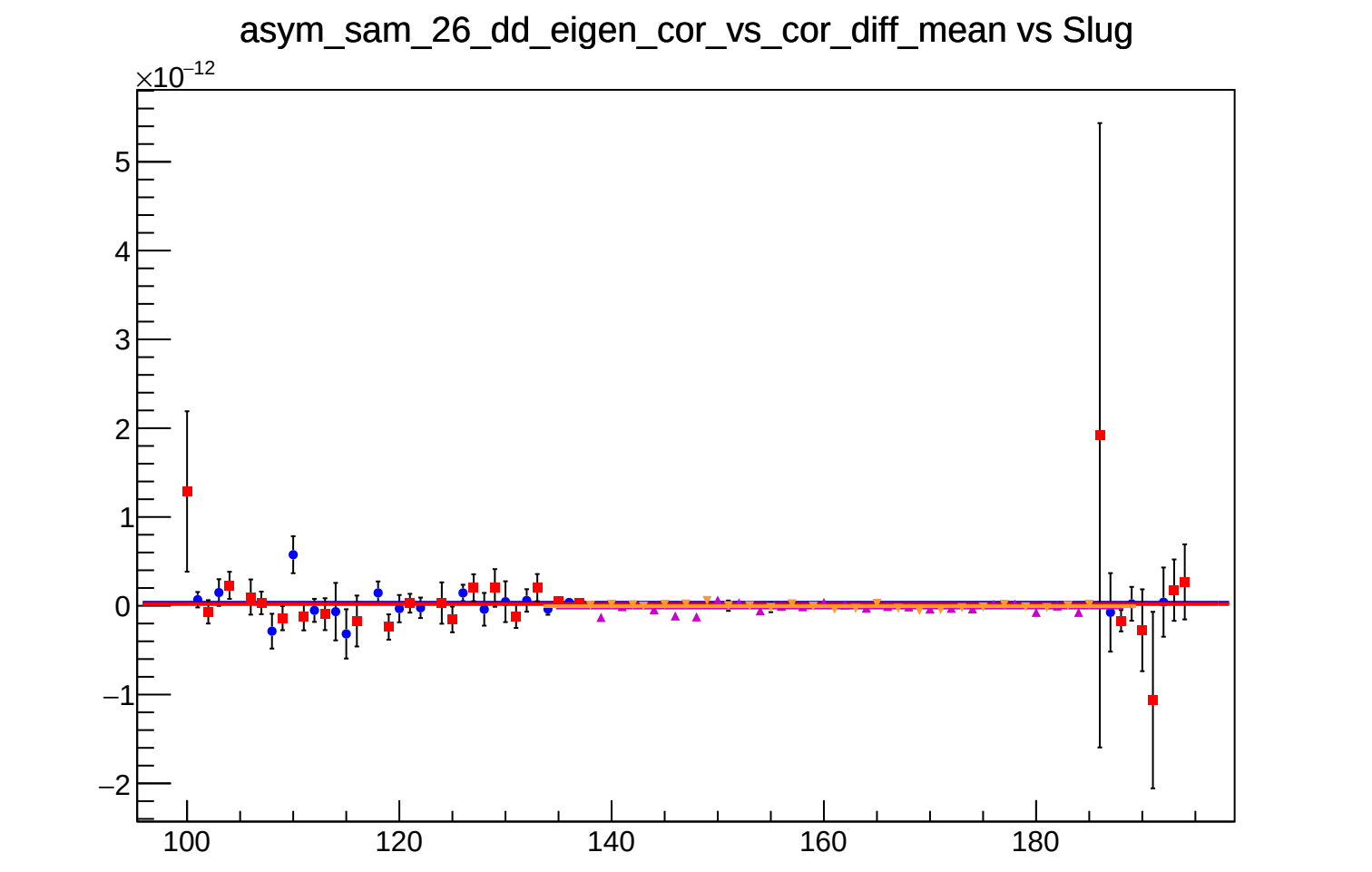
Right Out: 92.897+/-0.021 χ^2/NDF: 1733860.8/24

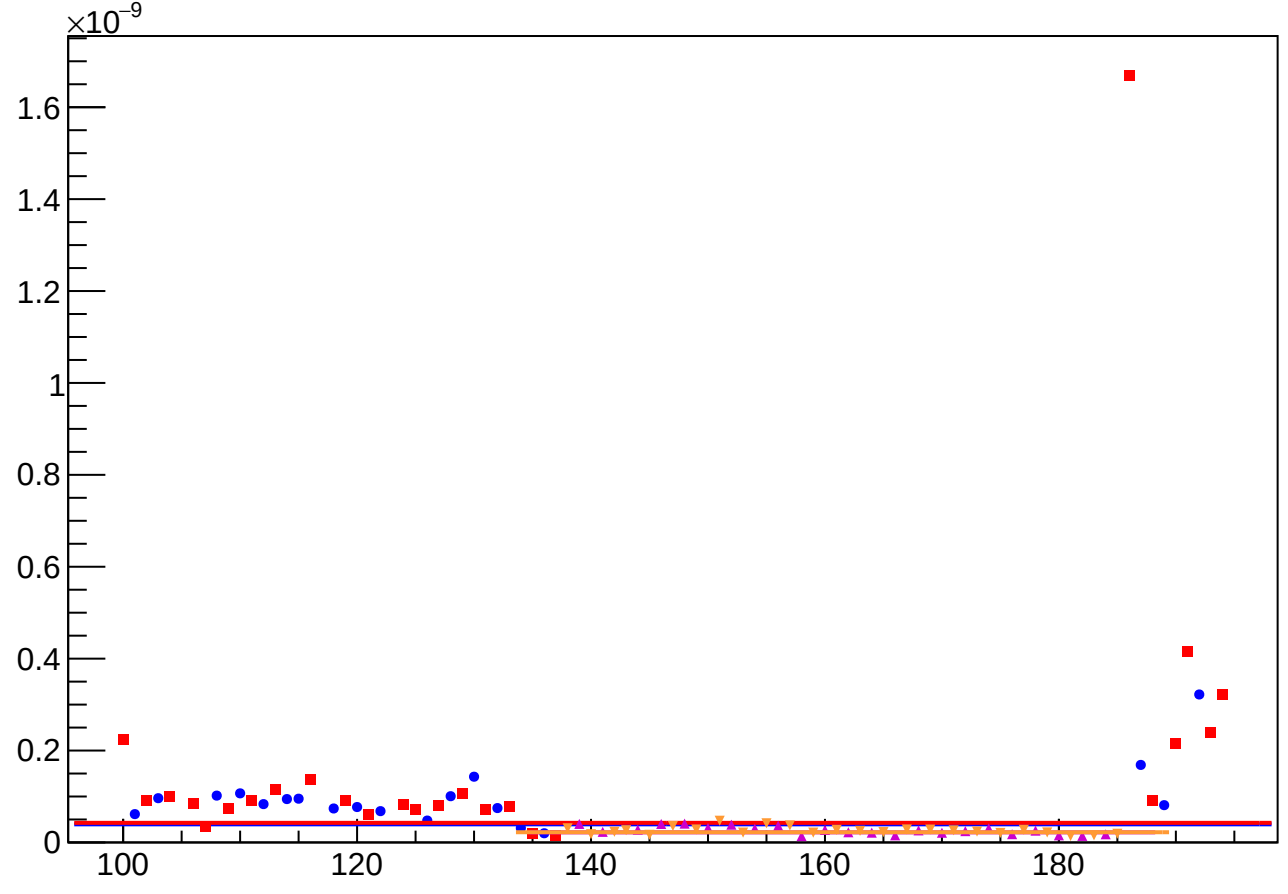
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 80.904+/-0.011 χ^2/NDF: 2021854.9/43

All: 81.793+/-0.008 χ^2/NDF: 4605229.0/91

- sign 82.698+/-0.011 χ^2/NDF: 2570178.9/47


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 16.4/18
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.8/24
Left In: -0.000+/-0.000 χ²/NDF:40.1/22
+ sign -0.000+/-0.000 χ²/NDF: 32.9/43
All: -0.000+/-0.000 χ²/NDF: 102.7/91
- sign -0.000+/-0.000 χ²/NDF: 66.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 4787050.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7026856.6/24

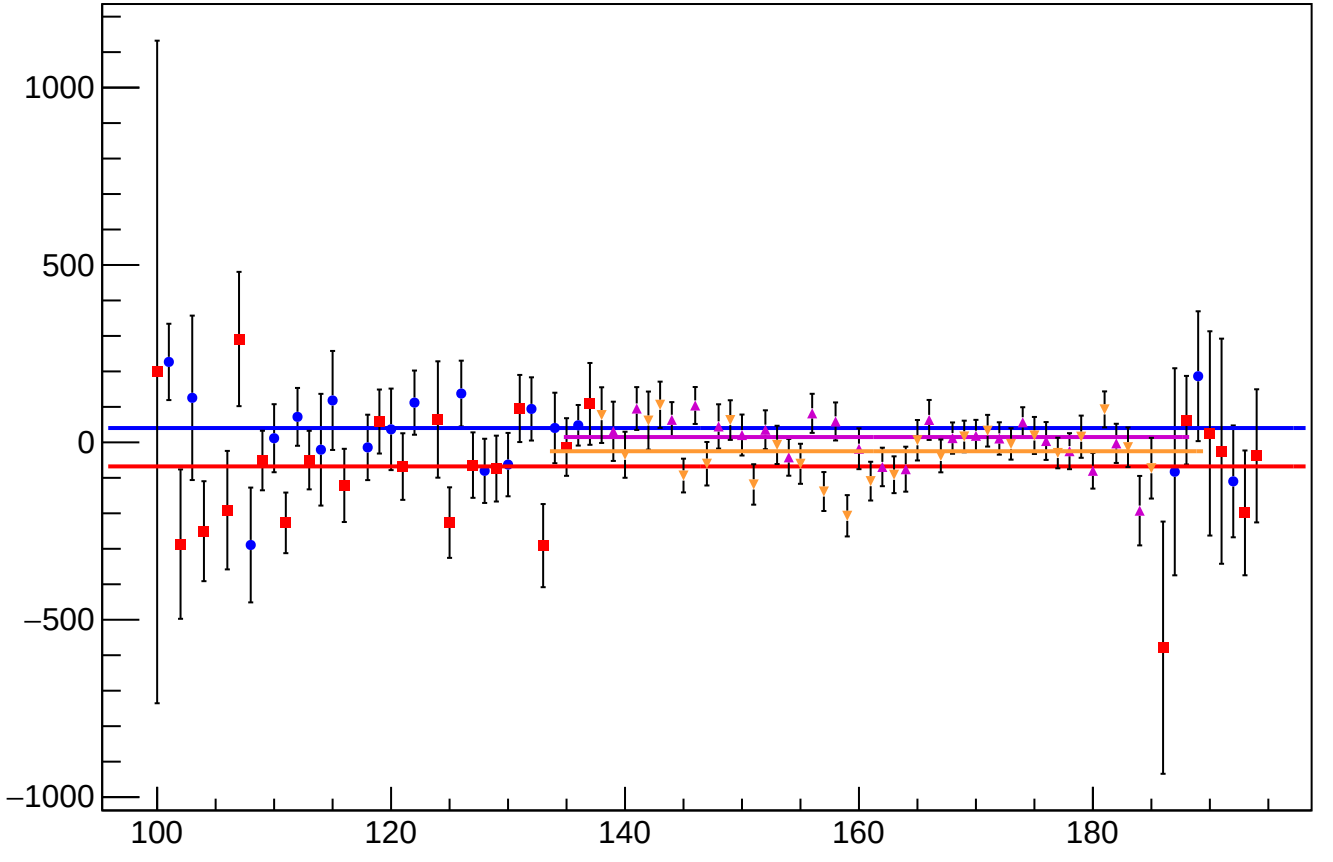
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8382533.1/43

All: 0.000+/-0.000 χ^2/NDF: 19878884.6/91

- sign 0.000+/-0.000 χ^2/NDF: 11496349.8/47

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: -67.776+/-23.364 χ^2/NDF: 29.2/24

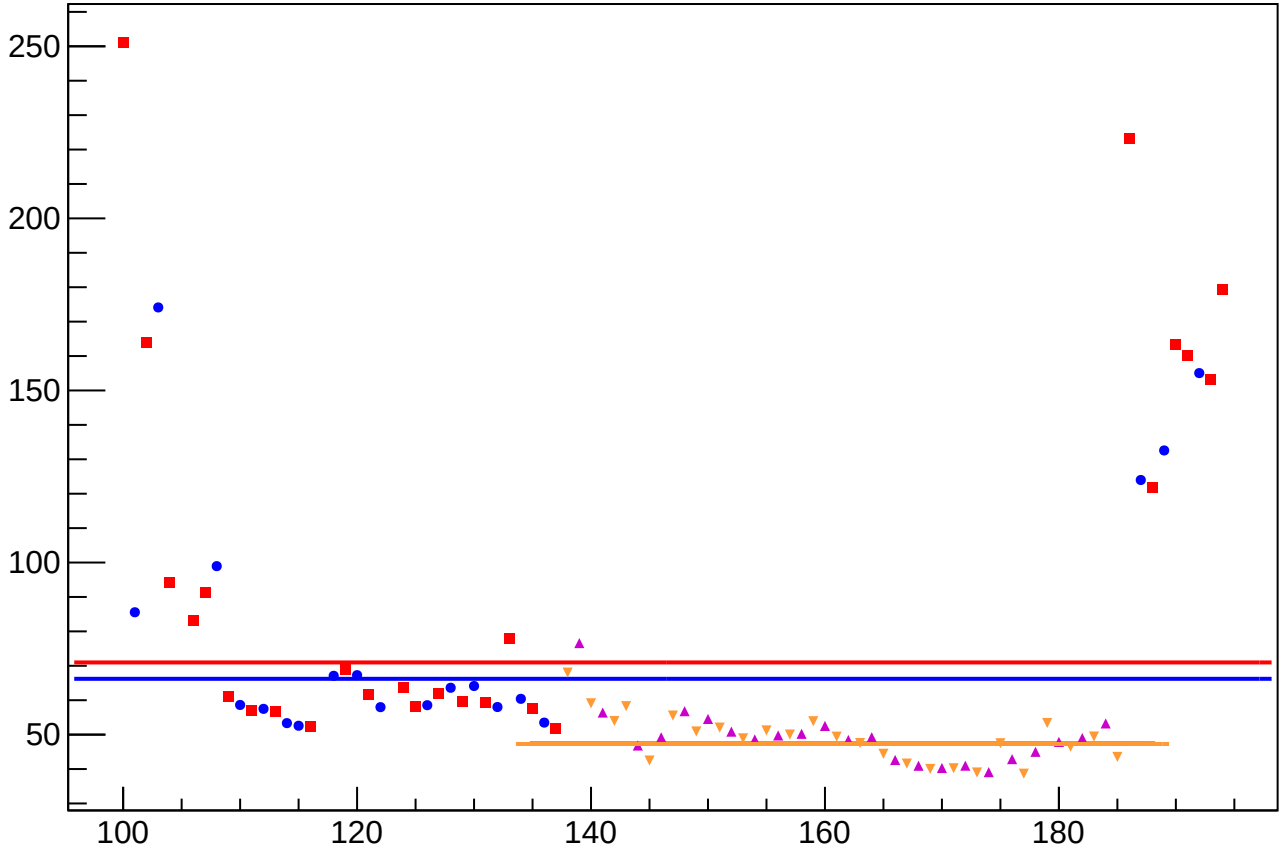
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.553+/-9.890 χ^2/NDF: 64.7/43

All: -7.178+/-7.071 χ^2/NDF: 129.7/91

- sign -0.513+/-10.113 χ^2/NDF: 64.2/47

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: 70.975+/-0.017 χ^2/NDF: 3177990.1/24

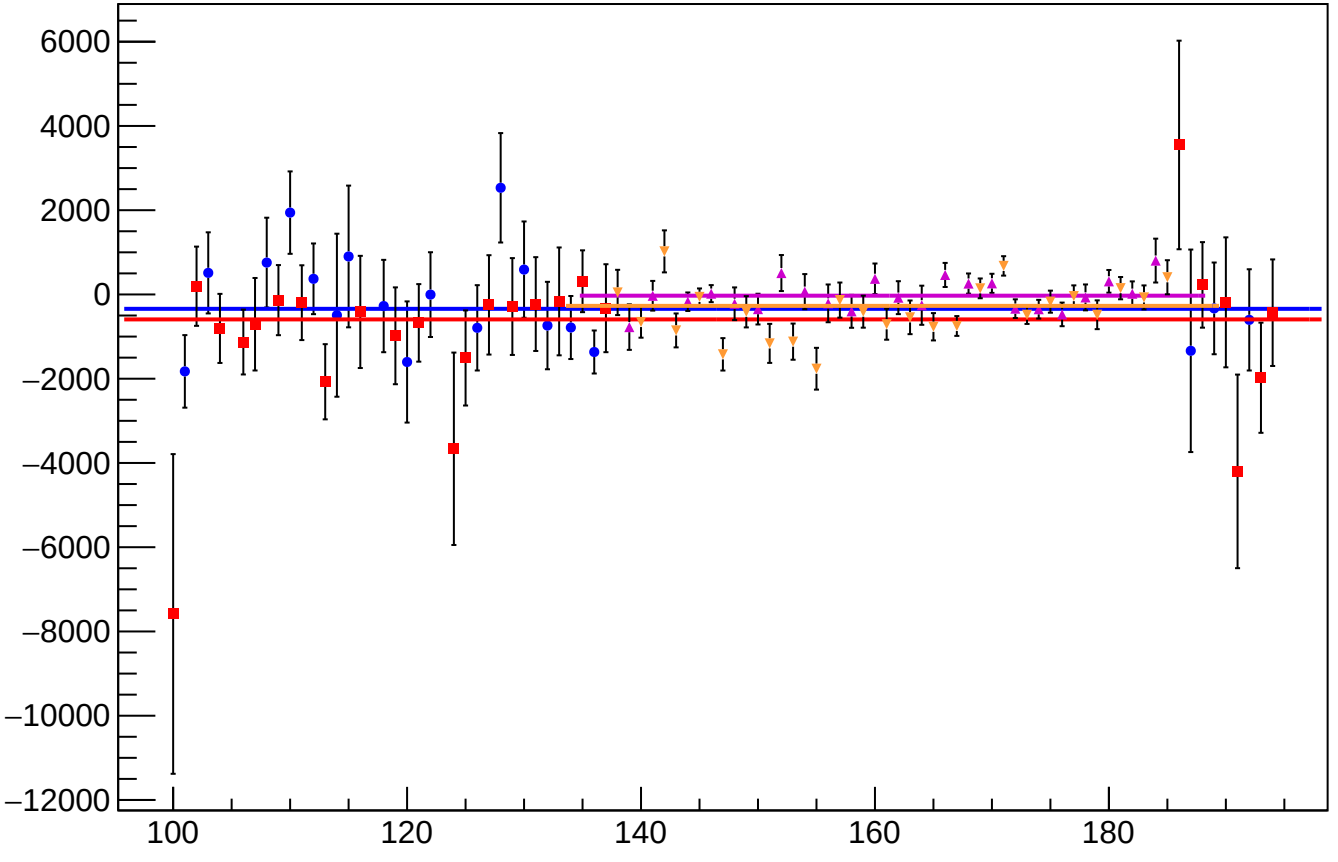
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.595+/-0.007 χ^2/NDF: 3555565.9/43

All: 51.202+/-0.005 χ^2/NDF: 9056032.9/91

- sign 51.837+/-0.007 χ^2/NDF: 5485057.1/47

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -341.291+/-227.672 χ^2/NDF: 22.9/18

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -592.365+/-216.820 χ^2/NDF: 19.6/24

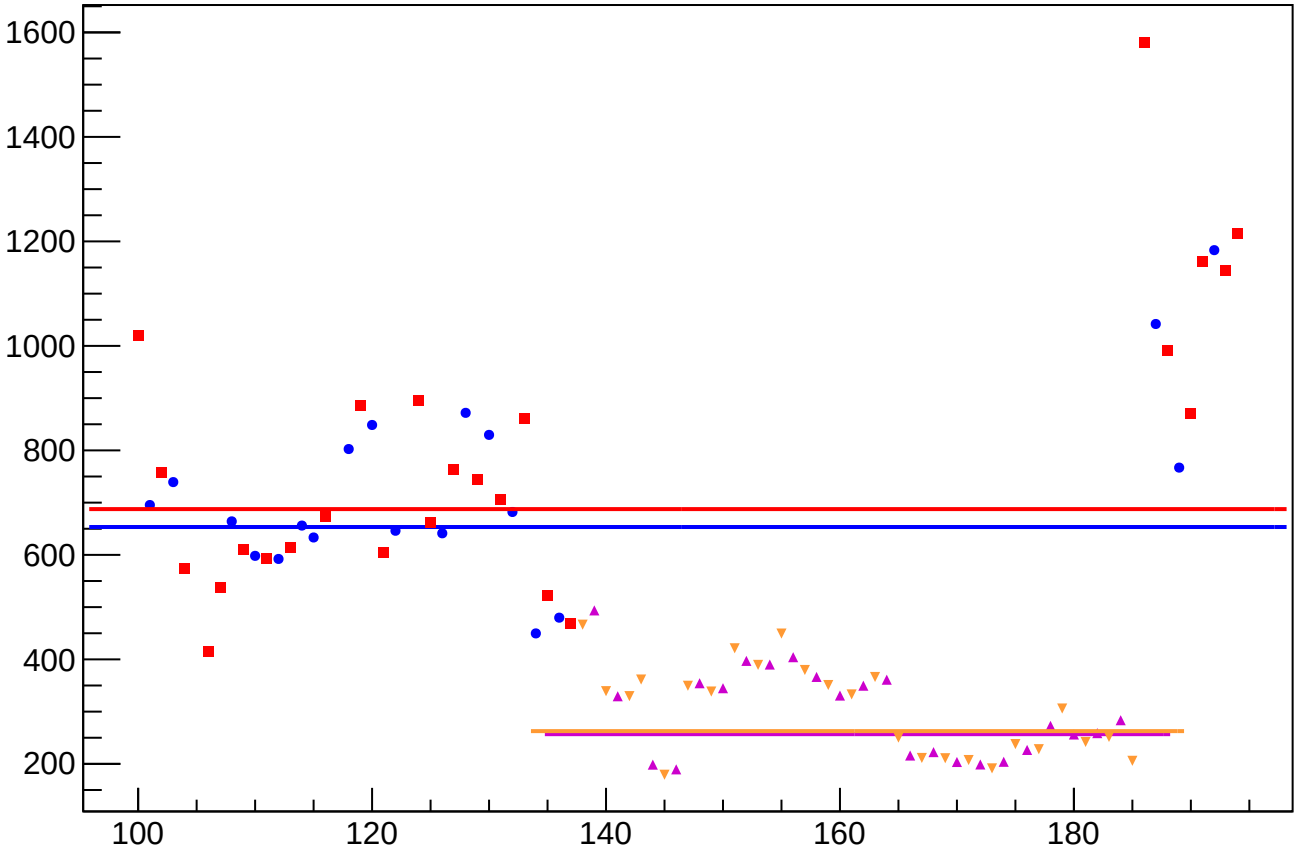
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -275.933+/-60.132 χ^2/NDF: 96.9/43

All: -174.403+/-42.546 χ^2/NDF: 152.9/91

- sign -72.623+/-60.206 χ^2/NDF: 50.2/47

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: 687.627+/-0.153 χ^2/NDF: 1882563.1/24

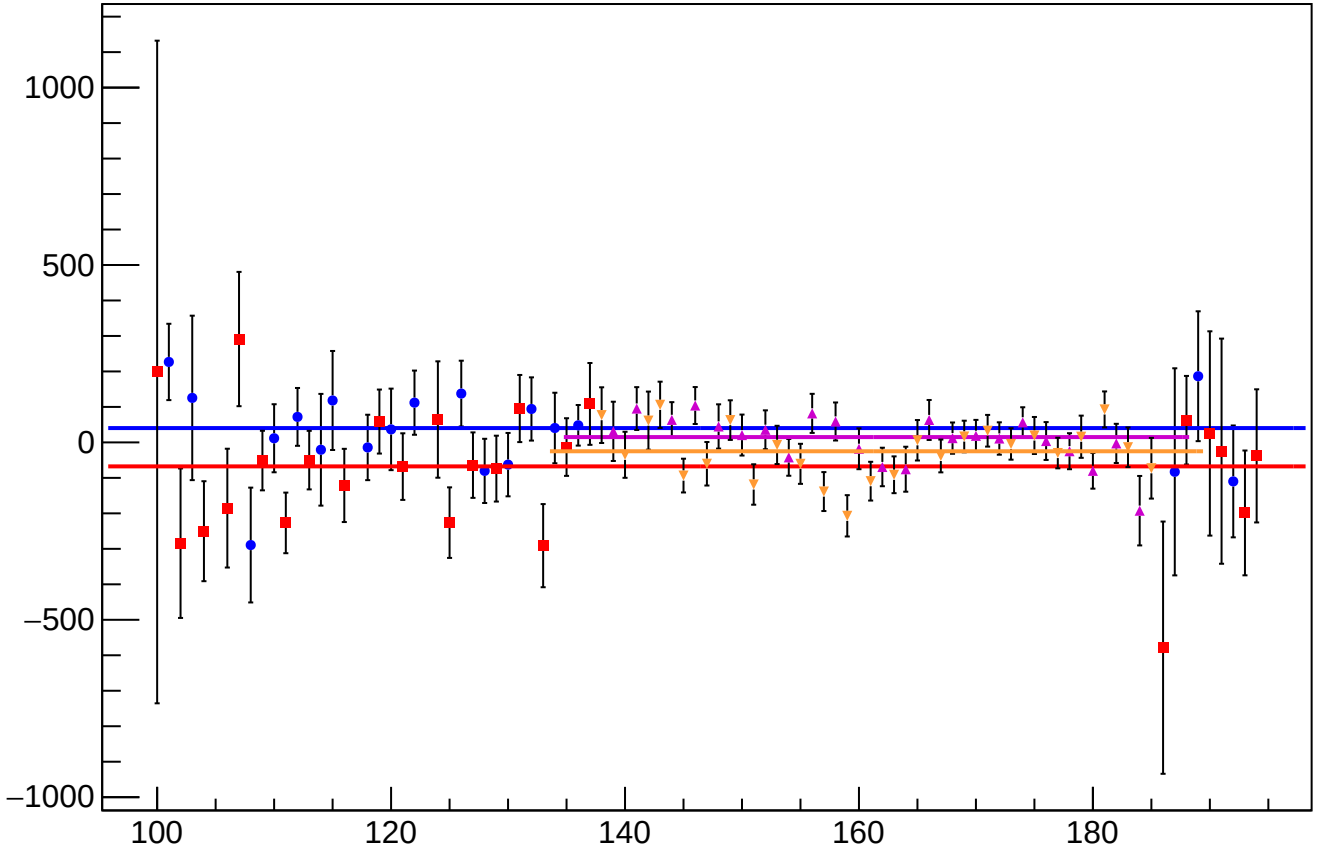
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 289.930+/-0.043 χ^2/NDF: 9431481.8/43

All: 289.994+/-0.030 χ^2/NDF: 21239503.2/91

- sign 290.058+/-0.043 χ^2/NDF: 11808016.8/47

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: -67.607+/-23.365 χ^2/NDF: 29.1/24

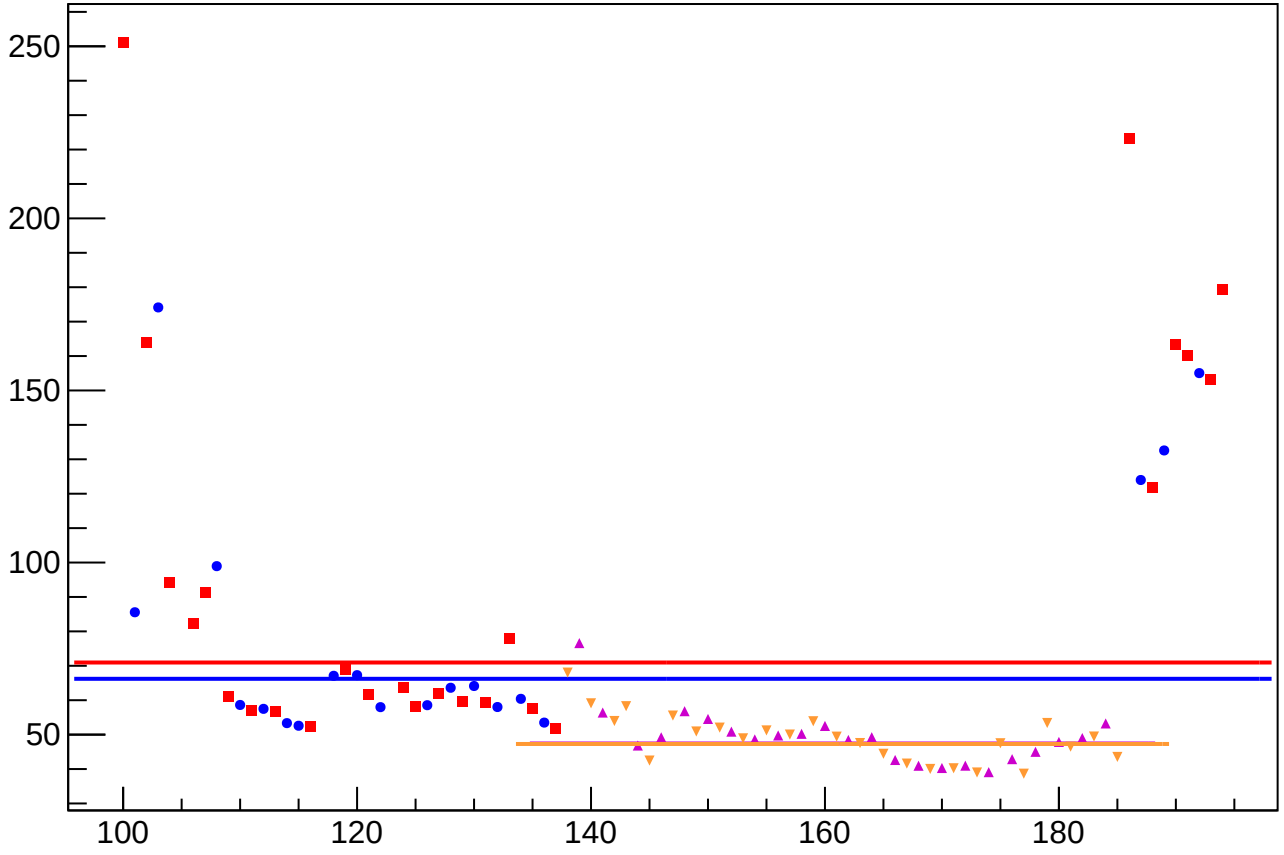
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.552+/-9.890 χ^2/NDF: 64.7/43

All: -7.162+/-7.071 χ^2/NDF: 129.6/91

- sign -0.481+/-10.113 χ^2/NDF: 64.0/47

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: 70.954+/-0.017 χ^2/NDF: 3176399.0/24

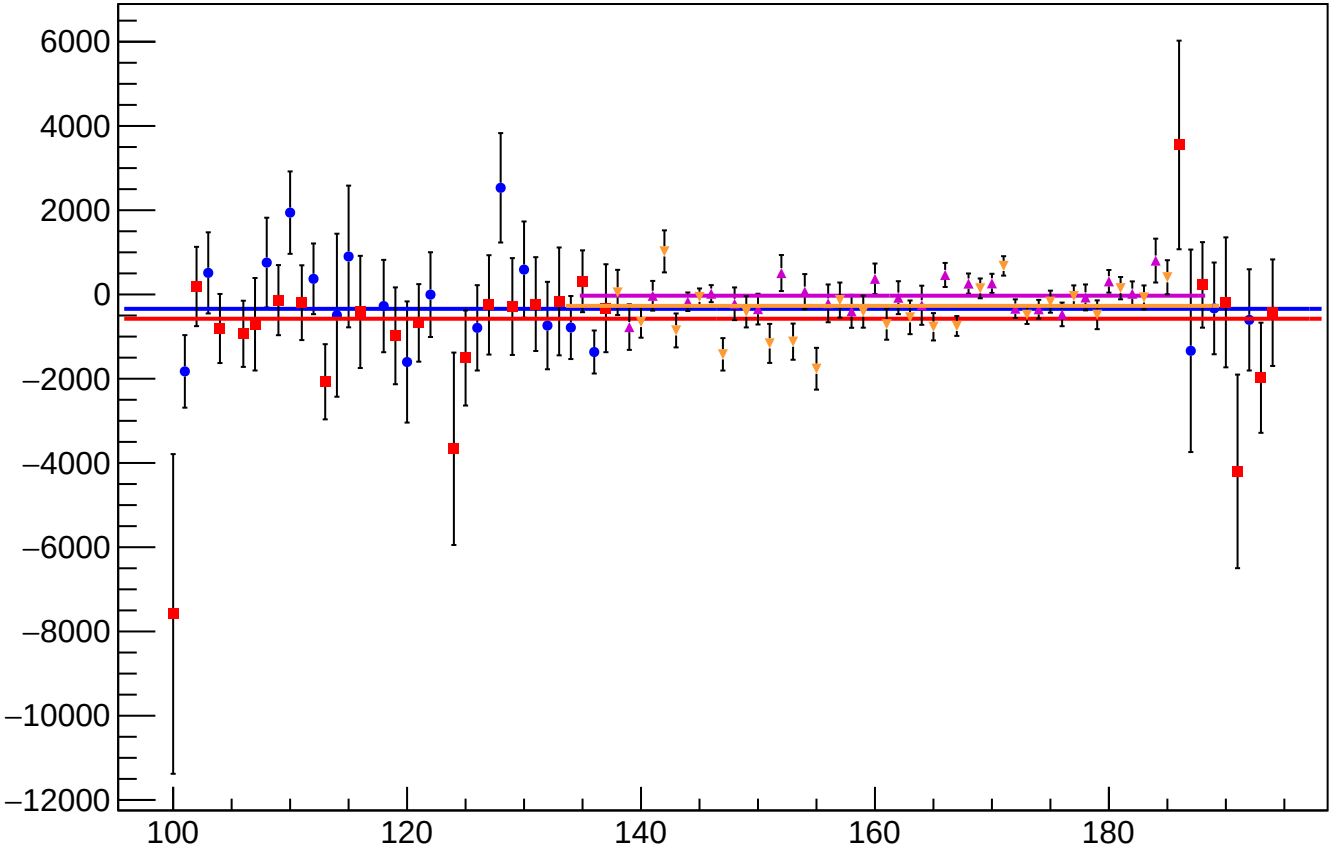
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.595+/-0.007 χ^2/NDF: 3555567.6/43

All: 51.200+/-0.005 χ^2/NDF: 9051201.5/91

- sign 51.833+/-0.007 χ^2/NDF: 5480332.9/47

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: -576.277+/-217.169 χ^2/NDF: 19.3/24

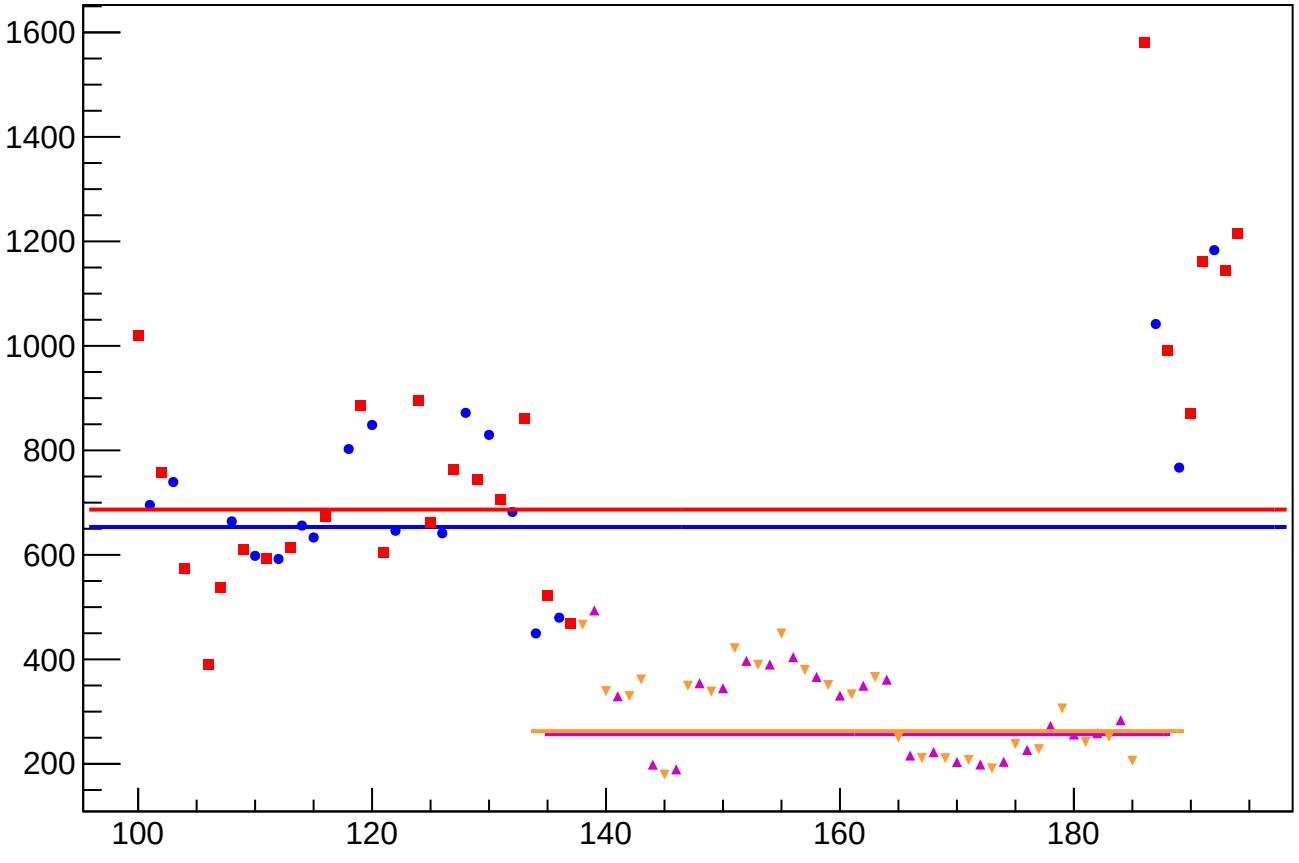
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -275.928+/-60.132 χ^2/NDF: 96.9/43

All: -173.732+/-42.549 χ^2/NDF: 152.3/91

- sign -71.259+/-60.214 χ^2/NDF: 49.5/47

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: 686.718+/-0.154 χ^2/NDF: 1916172.8/24

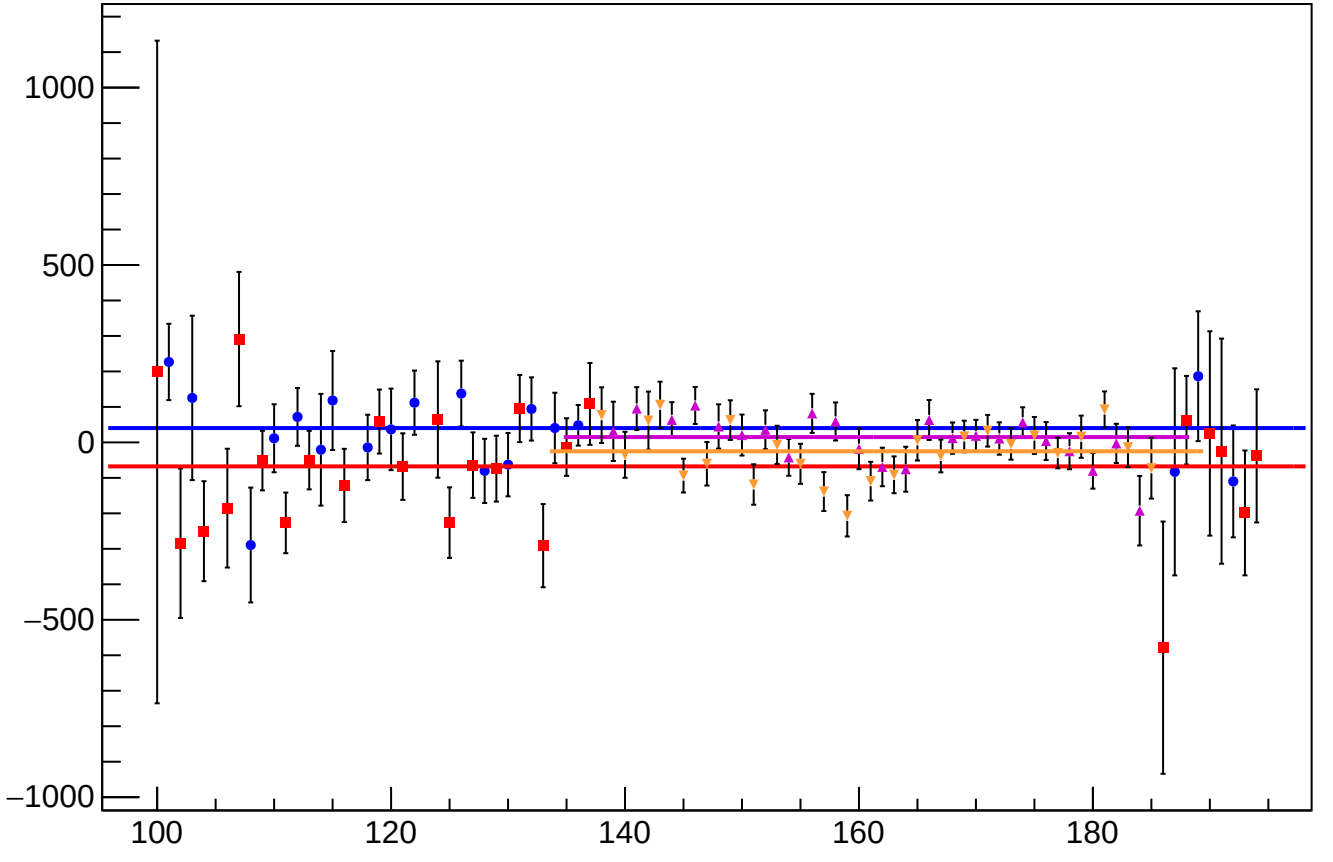
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 289.930+/-0.043 χ^2/NDF: 9431536.9/43

All: 289.910+/-0.030 χ^2/NDF: 21220932.3/91

- sign 289.889+/-0.043 χ^2/NDF: 11789395.0/47

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: -67.607+/-23.365 χ^2/NDF: 29.1/24

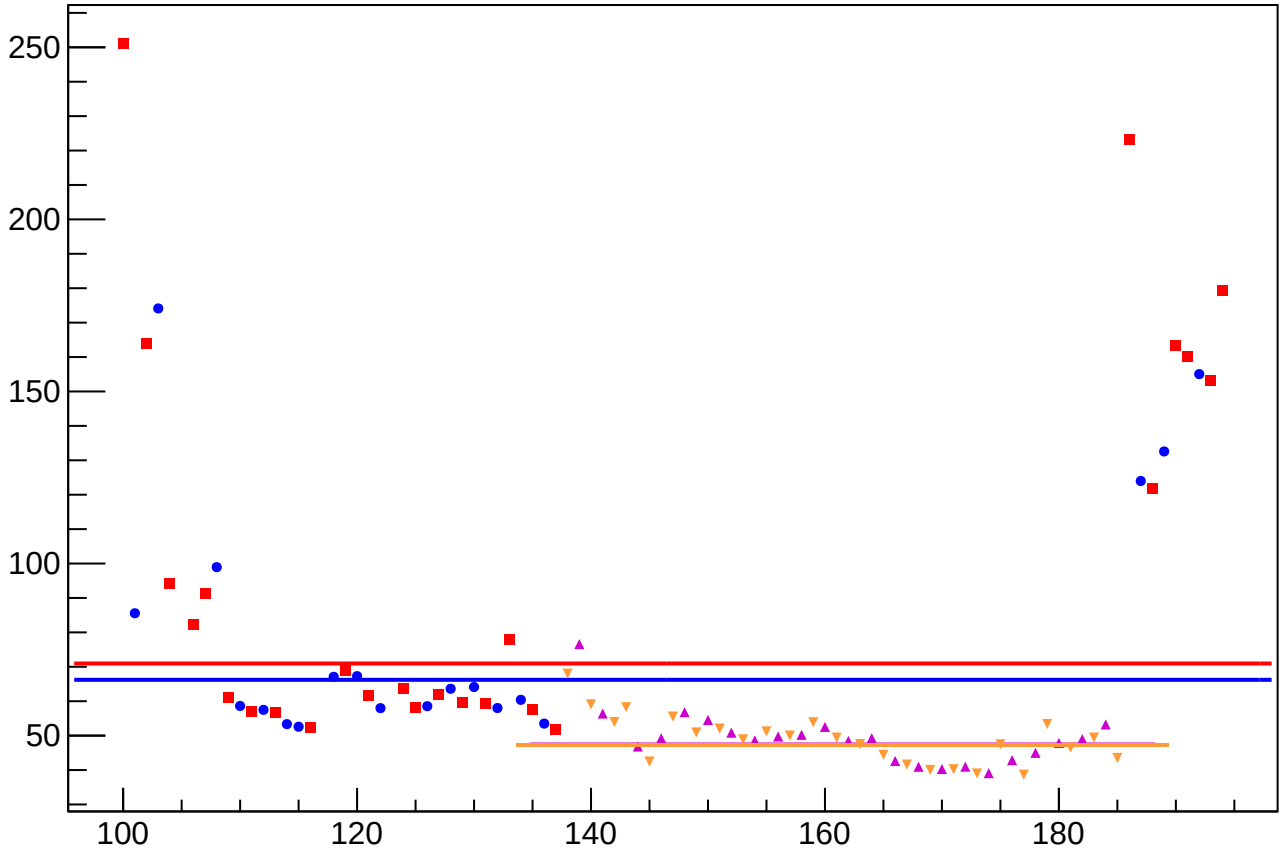
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.552+/-9.890 χ^2/NDF: 64.7/43

All: -7.162+/-7.071 χ^2/NDF: 129.6/91

- sign -0.481+/-10.113 χ^2/NDF: 64.0/47

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

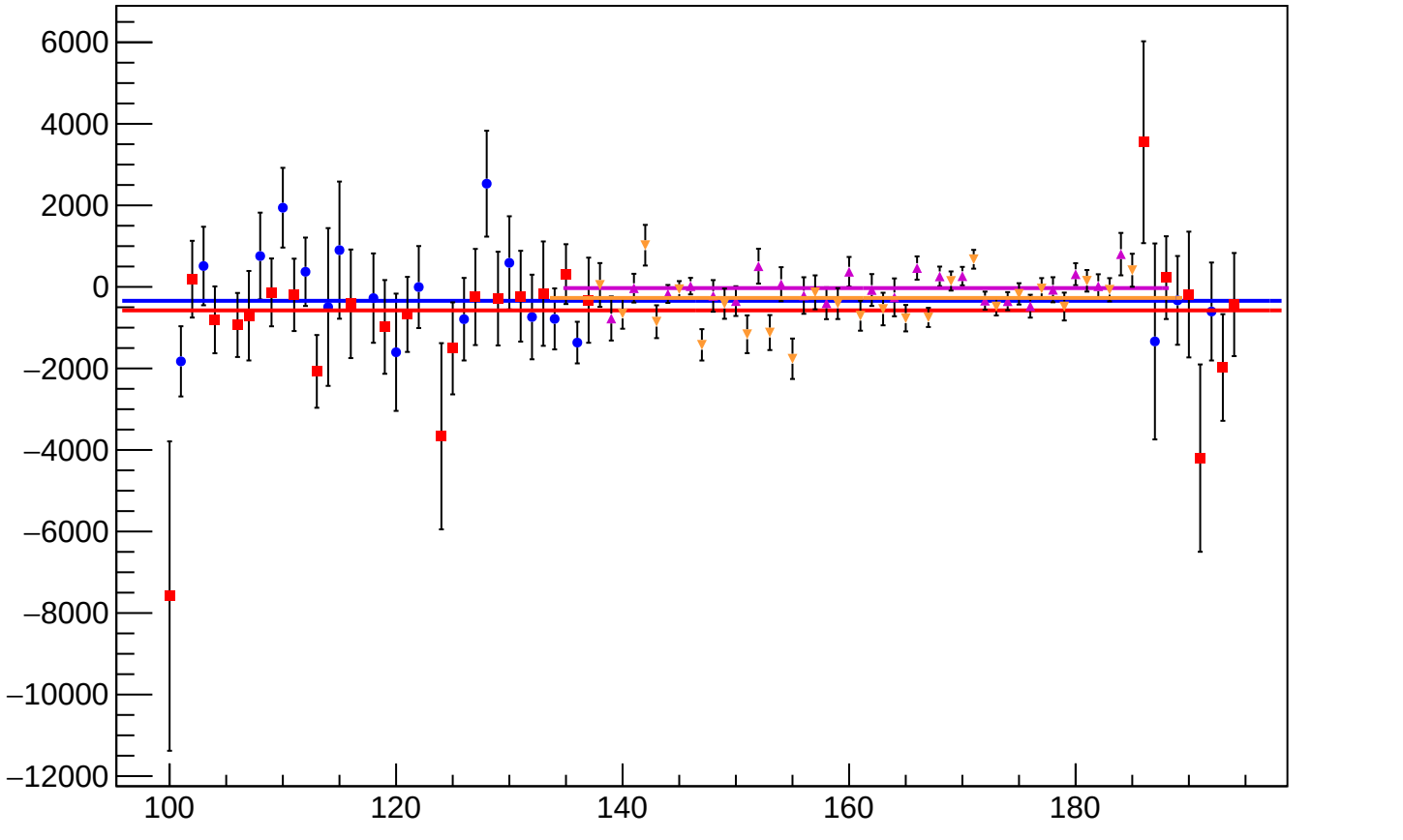
Right Out: 70.954+/-0.017 χ^2/NDF: 3176399.0/24

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 50.595+/-0.007 χ^2/NDF: 3555567.6/43

All: 51.200+/-0.005 χ^2/NDF: 9051201.5/91

- sign 51.833+/-0.007 χ^2/NDF: 5480332.9/47



Right In: -341.289+/-227.673 χ^2/NDF: 22.9/18

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

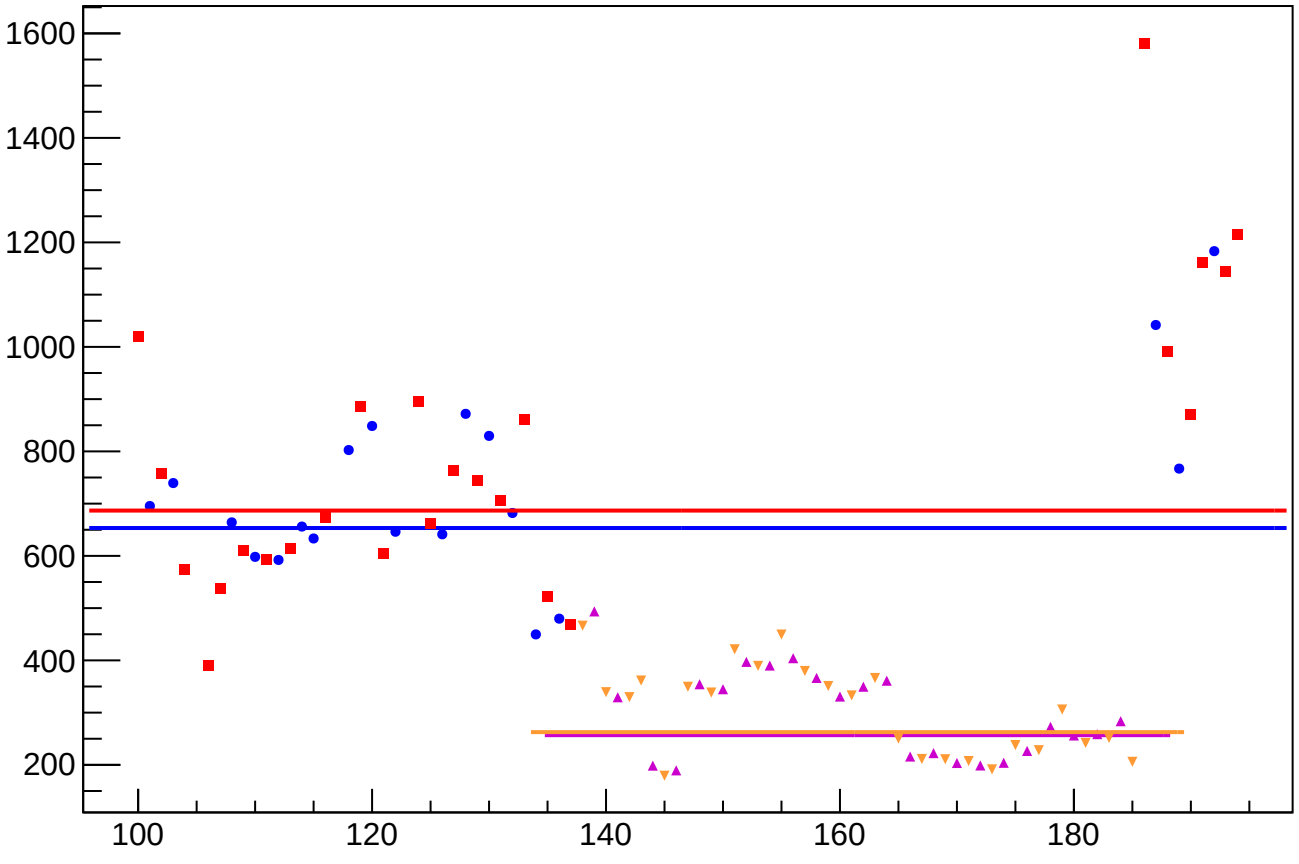
Right Out: -576.277+/-217.169 χ^2/NDF: 19.3/24

Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -275.928+/-60.132 χ^2/NDF: 96.9/43

All: -173.732+/-42.549 χ^2/NDF: 152.3/91

- sign -71.259+/-60.214 χ^2/NDF: 49.5/47



Right In: 653.338+/-0.161 χ^2/NDF: 1060575.5/18

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 686.718+/-0.154 χ^2/NDF: 1916172.8/24

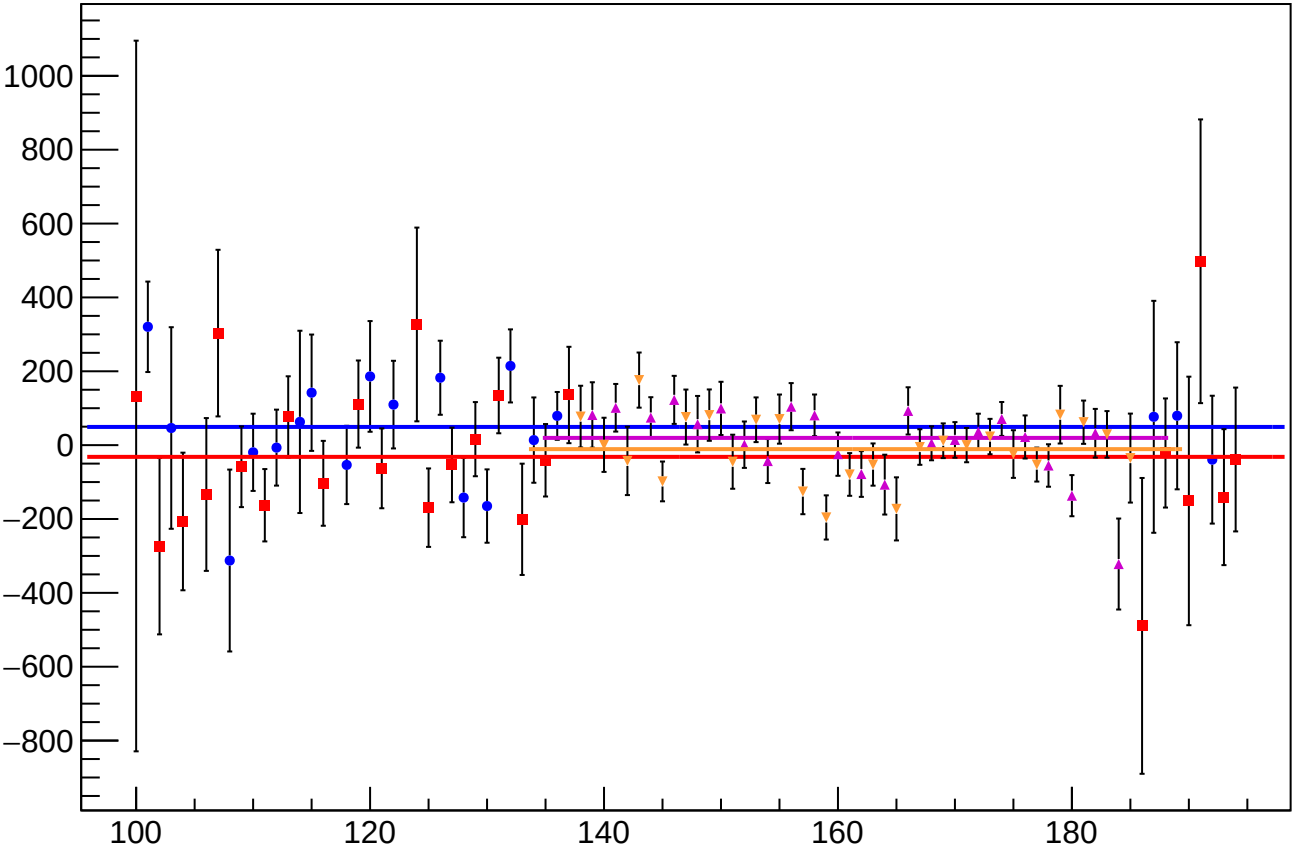
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 289.930+/-0.043 χ^2/NDF: 9431536.9/43

All: 289.910+/-0.030 χ^2/NDF: 21220932.3/91

- sign 289.889+/-0.043 χ^2/NDF: 11789395.0/47

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: -31.752+/-27.524 χ^2/NDF: 22.2/24

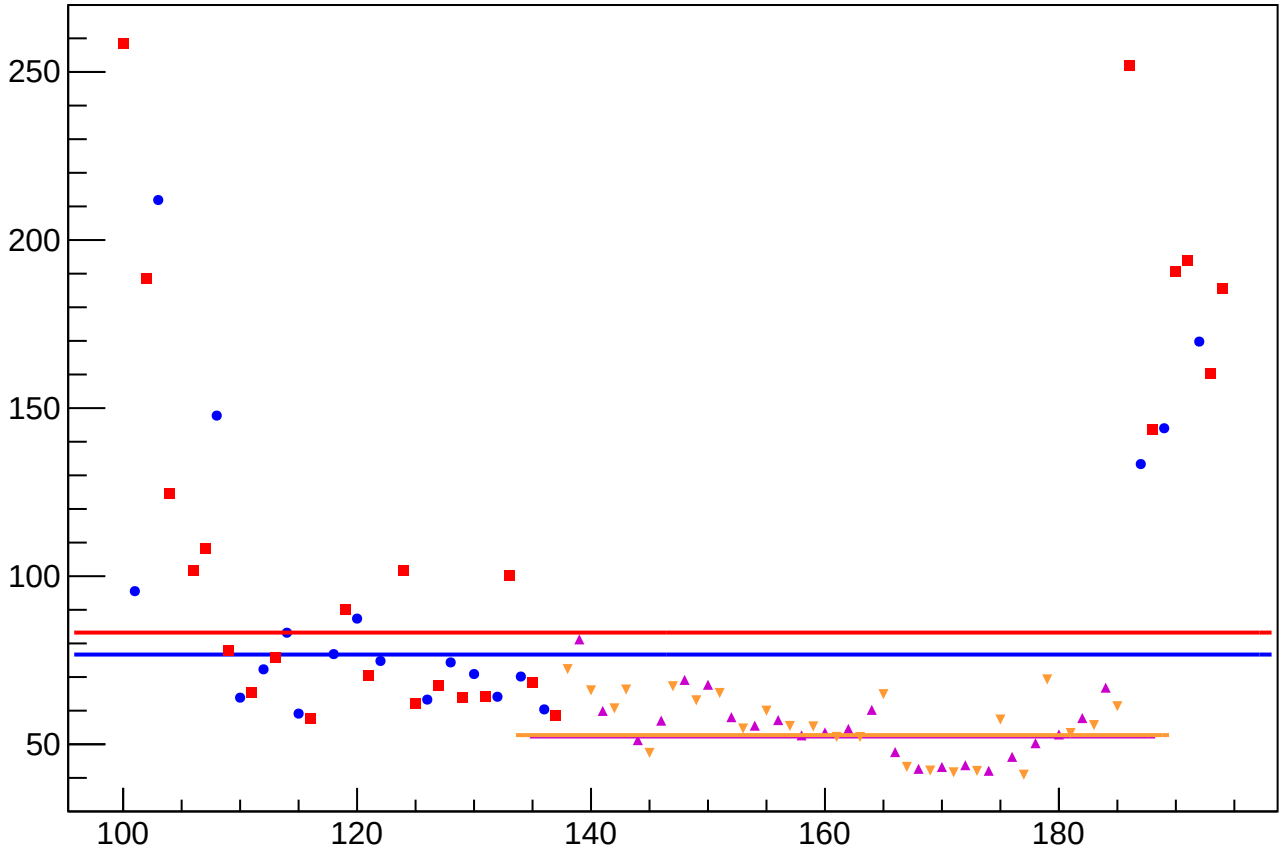
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -0.832+/-11.237 χ^2/NDF: 67.5/43

All: 4.874+/-8.008 χ^2/NDF: 129.9/91

- sign 10.764+/-11.416 χ^2/NDF: 61.9/47

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: 83.229+/-0.019 χ^2/NDF: 3197462.5/24

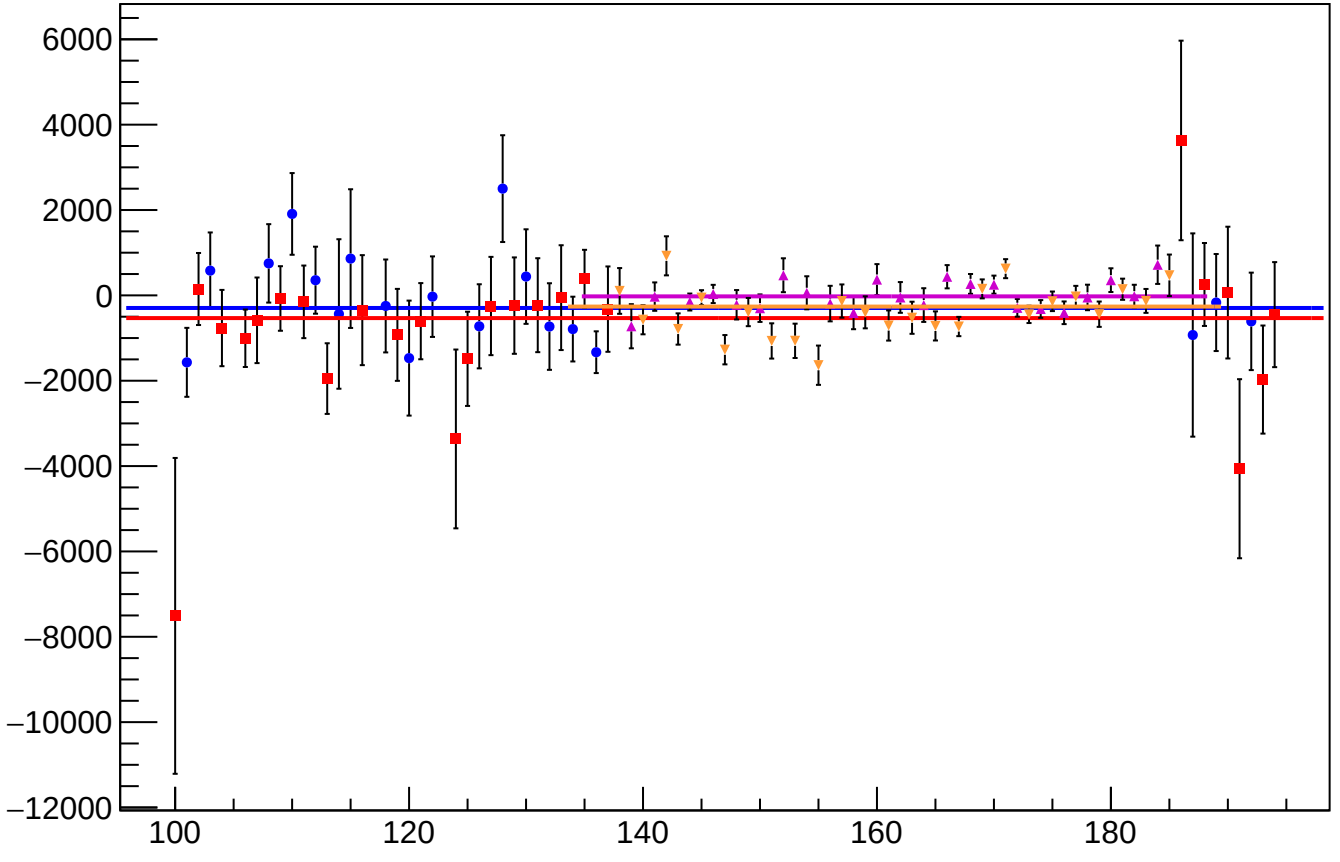
Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 56.712+/-0.008 χ^2/NDF: 4283528.8/43

All: 57.165+/-0.006 χ^2/NDF: 10468606.6/91

- sign 57.632+/-0.008 χ^2/NDF: 6178481.4/47

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: -532.305+/-205.565 χ^2/NDF: 21.4/24

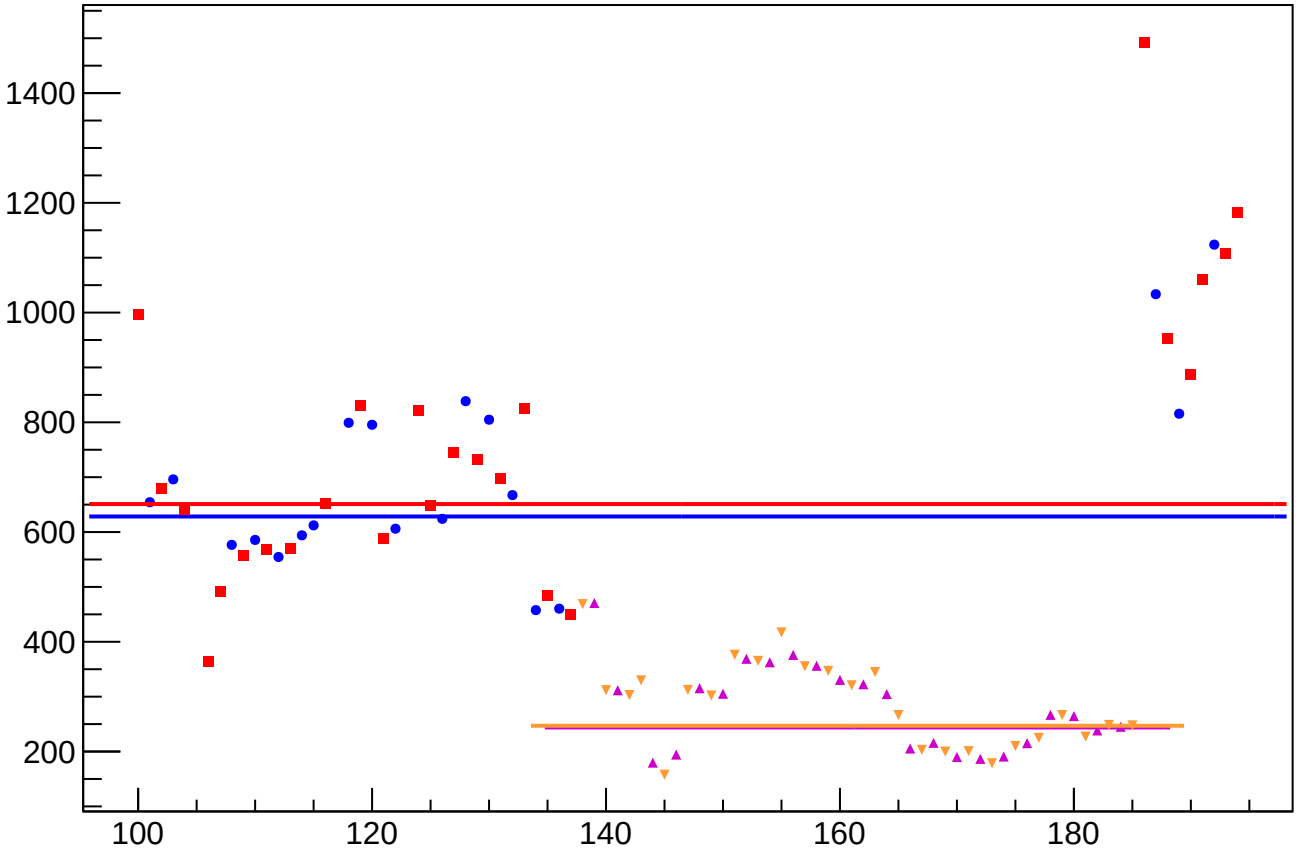
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -264.768+/-56.506 χ^2/NDF: 95.2/43

All: -164.712+/-40.151 χ^2/NDF: 152.7/91

- sign -62.678+/-57.062 χ^2/NDF: 51.2/47

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: 651.018+/-0.145 χ^2/NDF: 2060910.3/24

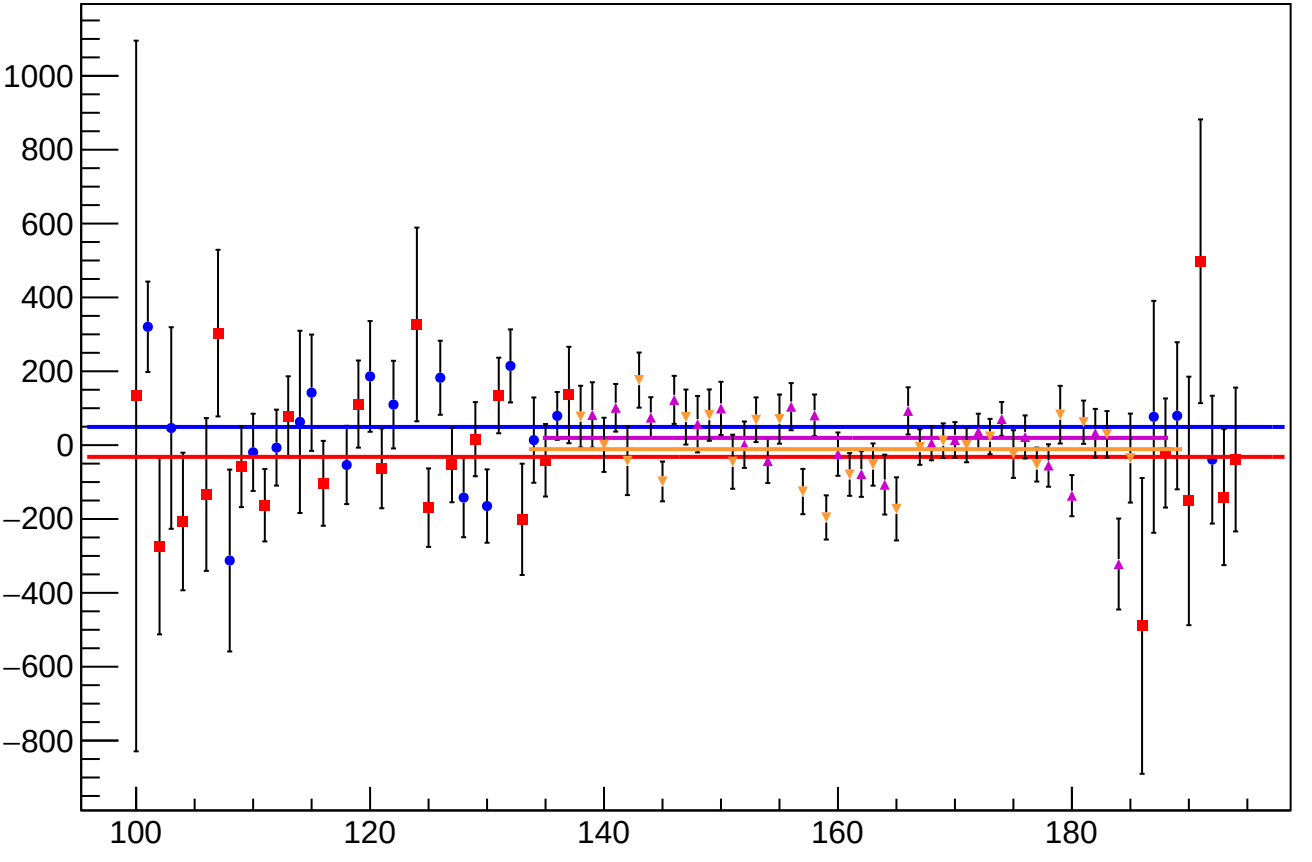
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 272.556+/-0.040 χ^2/NDF: 9681864.9/43

All: 273.866+/-0.028 χ^2/NDF: 21478361.5/91

- sign 275.201+/-0.040 χ^2/NDF: 11794325.4/47

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

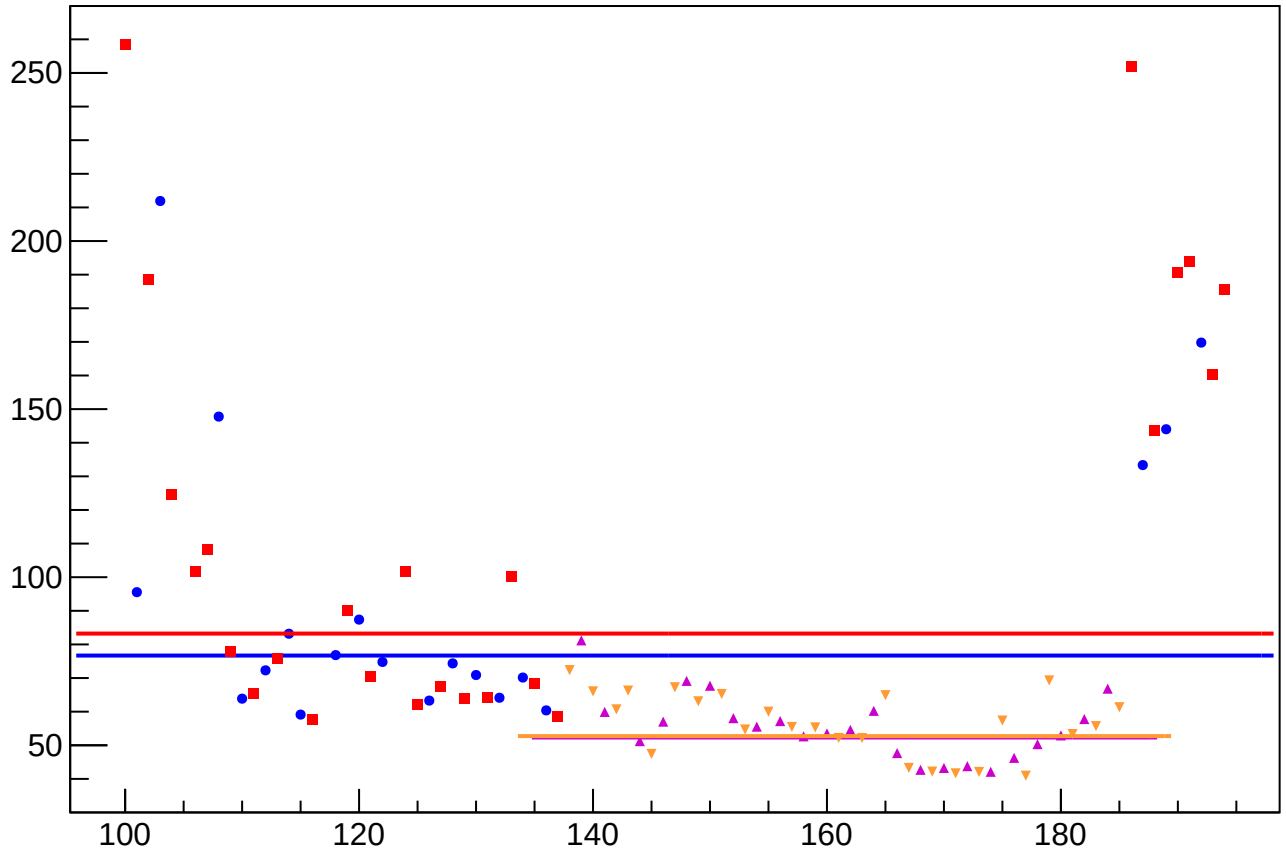
Right Out: -31.751+/-27.524 χ^2/NDF: 22.2/24

Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -0.832+/-11.237 χ^2/NDF: 67.5/43

All: 4.875+/-8.008 χ^2/NDF: 129.9/91

- sign 10.764+/-11.416 χ^2/NDF: 61.9/47



Right In: 76.690+/-0.019 χ^2/NDF: 1856625.5/18

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

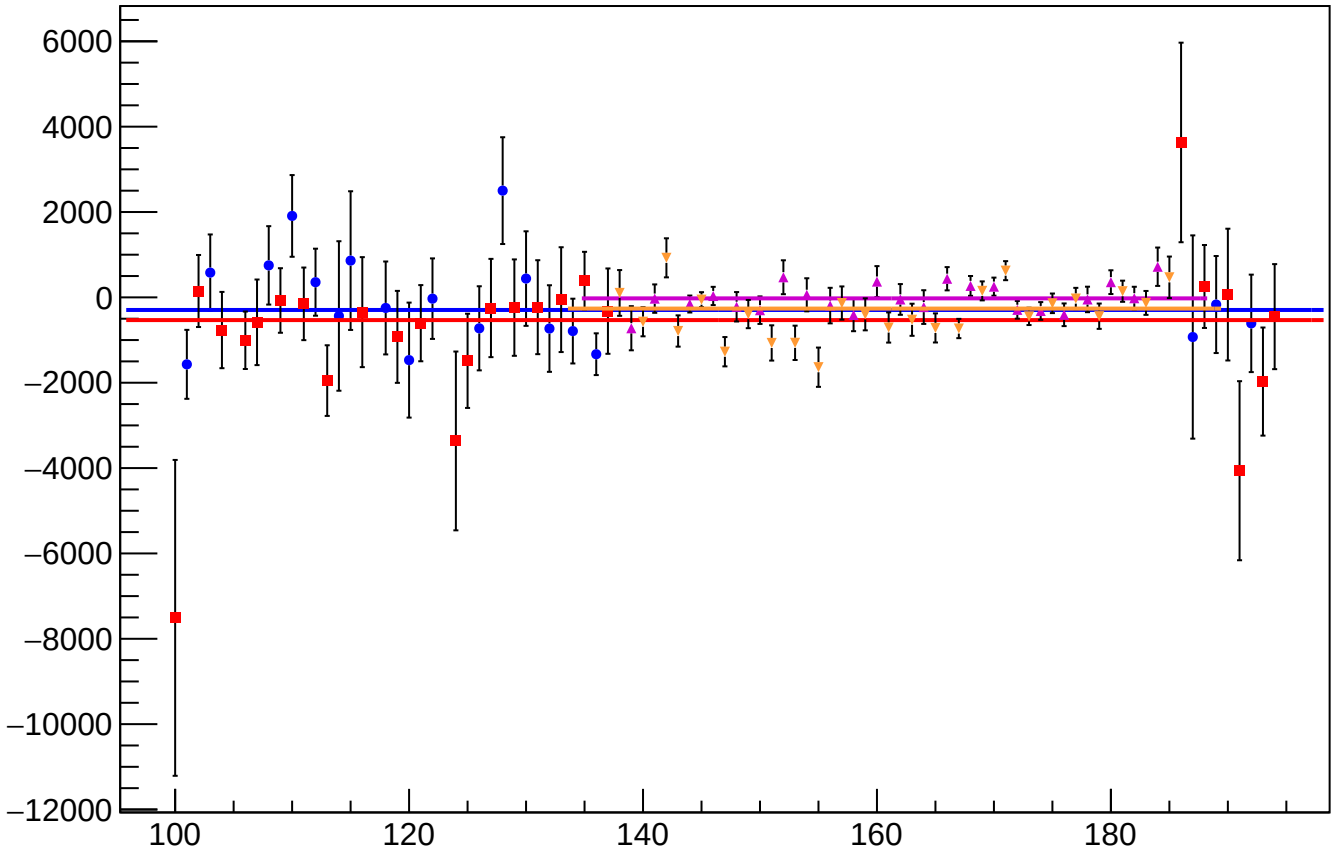
Right Out: 83.229+/-0.019 χ^2/NDF: 3197464.5/24

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 56.712+/-0.008 χ^2/NDF: 4283550.0/43

All: 57.165+/-0.006 χ^2/NDF: 10468621.0/91

- sign 57.632+/-0.008 χ^2/NDF: 6178474.6/47



Right In: -295.209+/-218.273 χ^2/NDF: 23.0/18

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -532.305+/-205.564 χ^2/NDF: 21.4/24

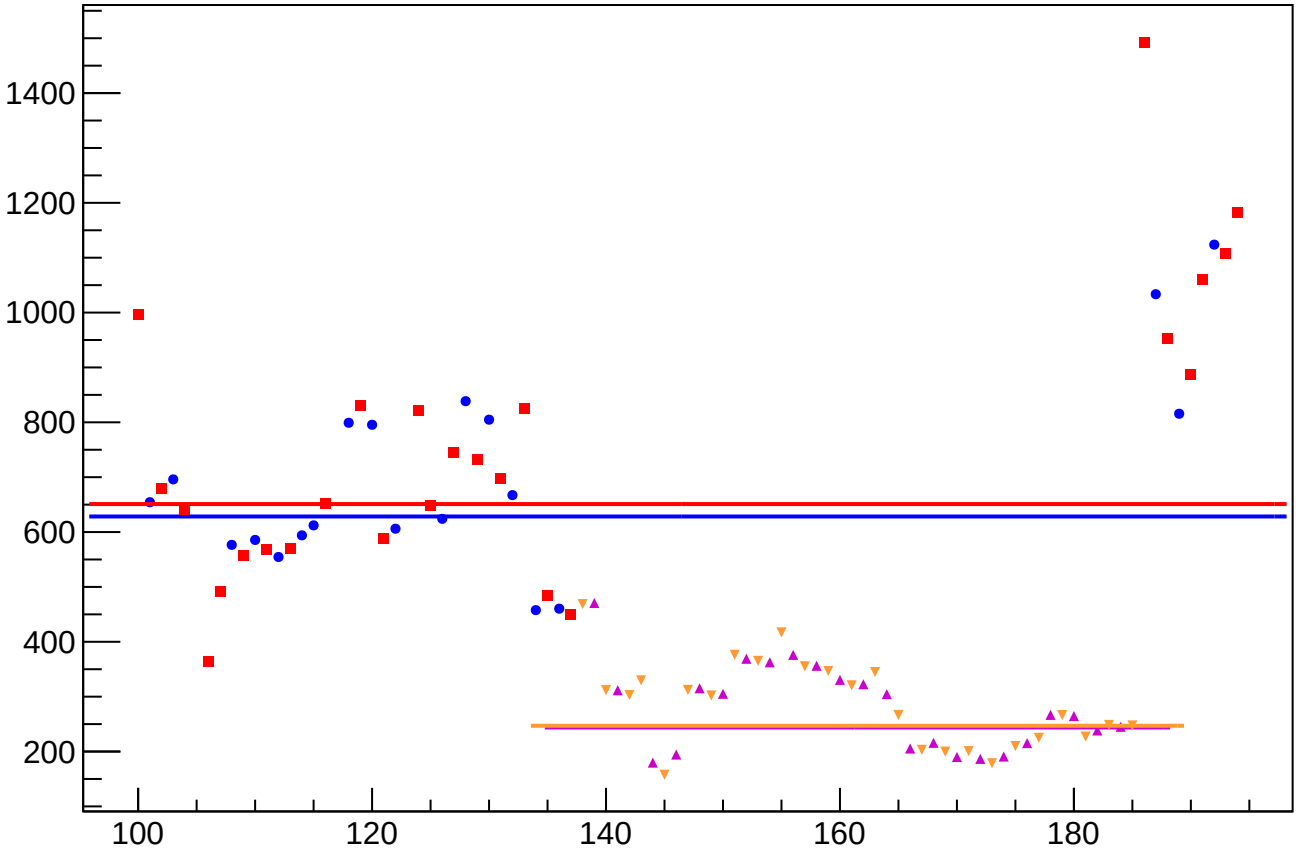
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -264.769+/-56.506 χ^2/NDF: 95.2/43

All: -164.712+/-40.151 χ^2/NDF: 152.7/91

- sign -62.677+/-57.062 χ^2/NDF: 51.2/47

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: 651.018+/-0.145 χ^2/NDF: 2060902.3/24

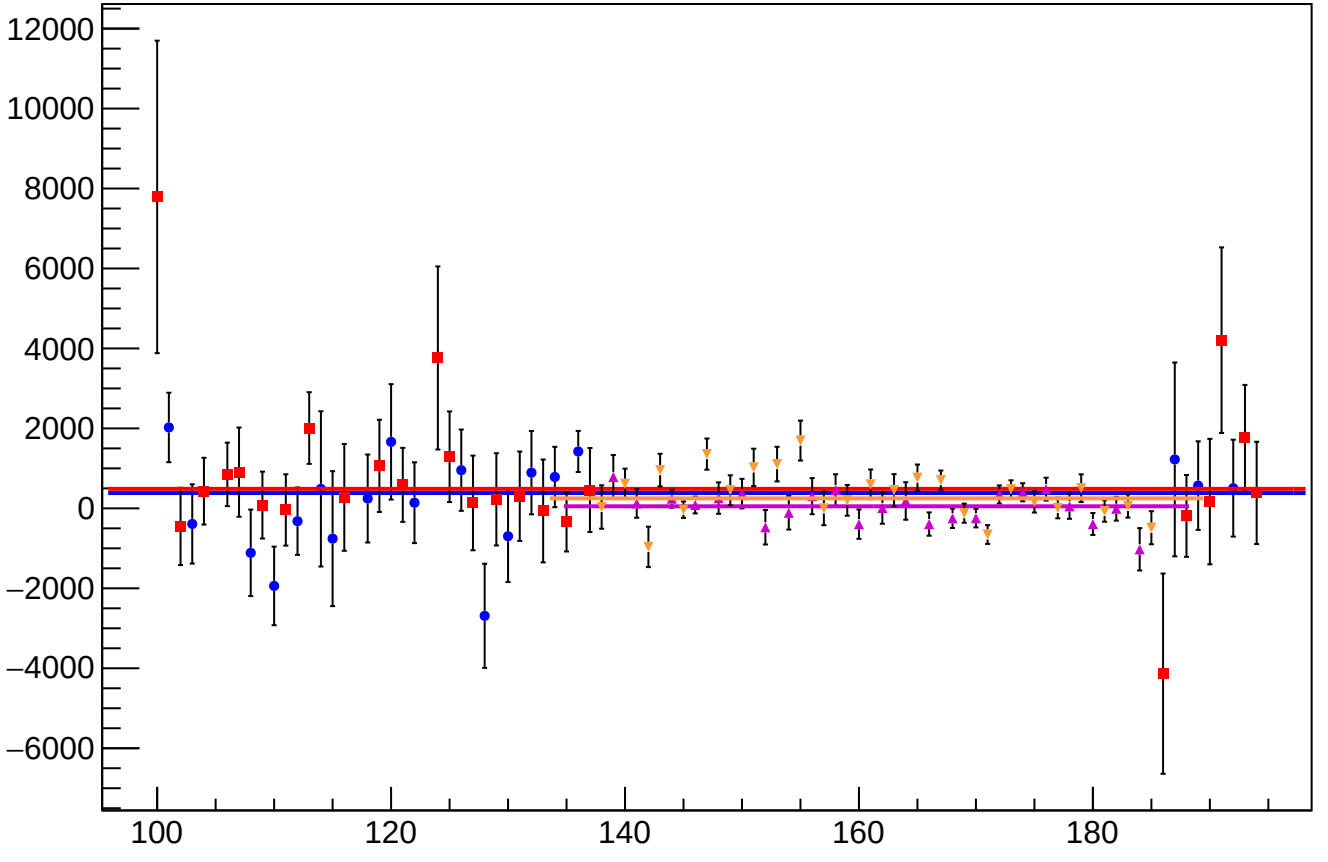
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 272.555+/-0.040 χ^2/NDF: 9681855.8/43

All: 273.865+/-0.028 χ^2/NDF: 21478342.2/91

- sign 275.201+/-0.040 χ^2/NDF: 11794315.4/47

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: 488.302+/-219.051 χ^2/NDF: 20.1/24

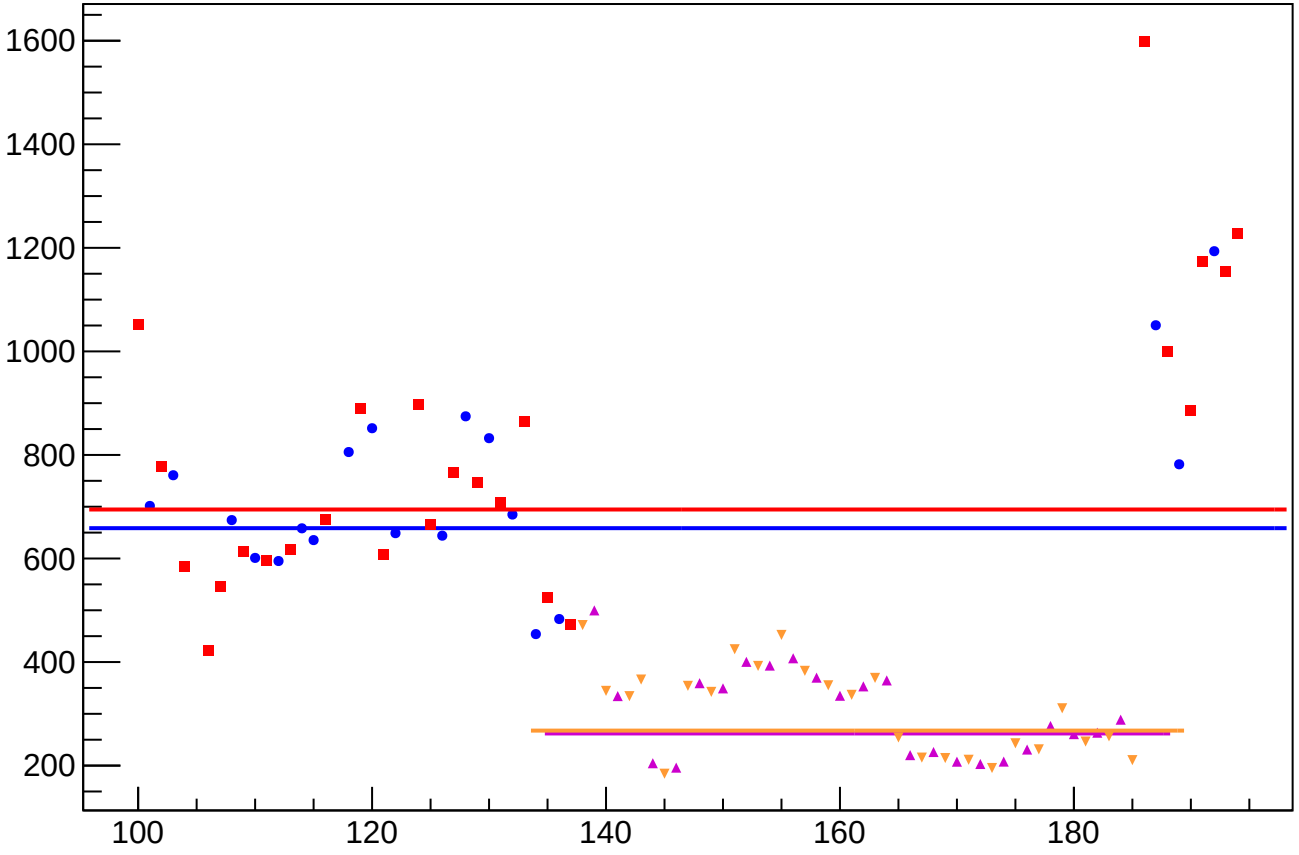
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 260.544+/-61.132 χ^2/NDF: 93.1/43

All: 173.446+/-43.284 χ^2/NDF: 147.7/91

- sign 85.890+/-61.293 χ^2/NDF: 50.6/47

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

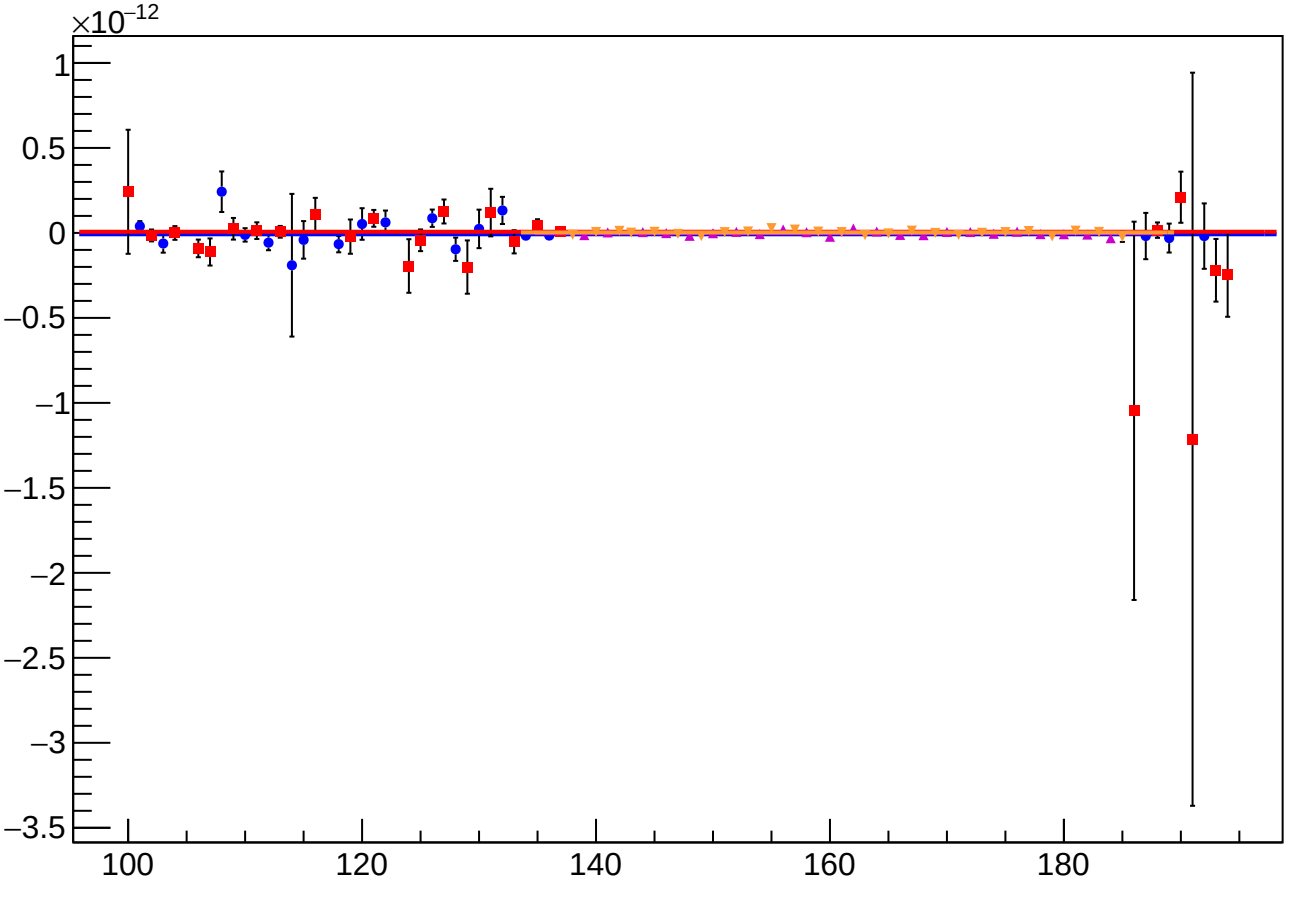
Right Out: 694.632+/-0.155 χ^2/NDF: 1872425.4/24

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 295.327+/-0.043 χ^2/NDF: 9259810.9/43

All: 295.642+/-0.031 χ^2/NDF: 20857388.8/91

- sign 295.958+/-0.043 χ^2/NDF: 11597471.8/47



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

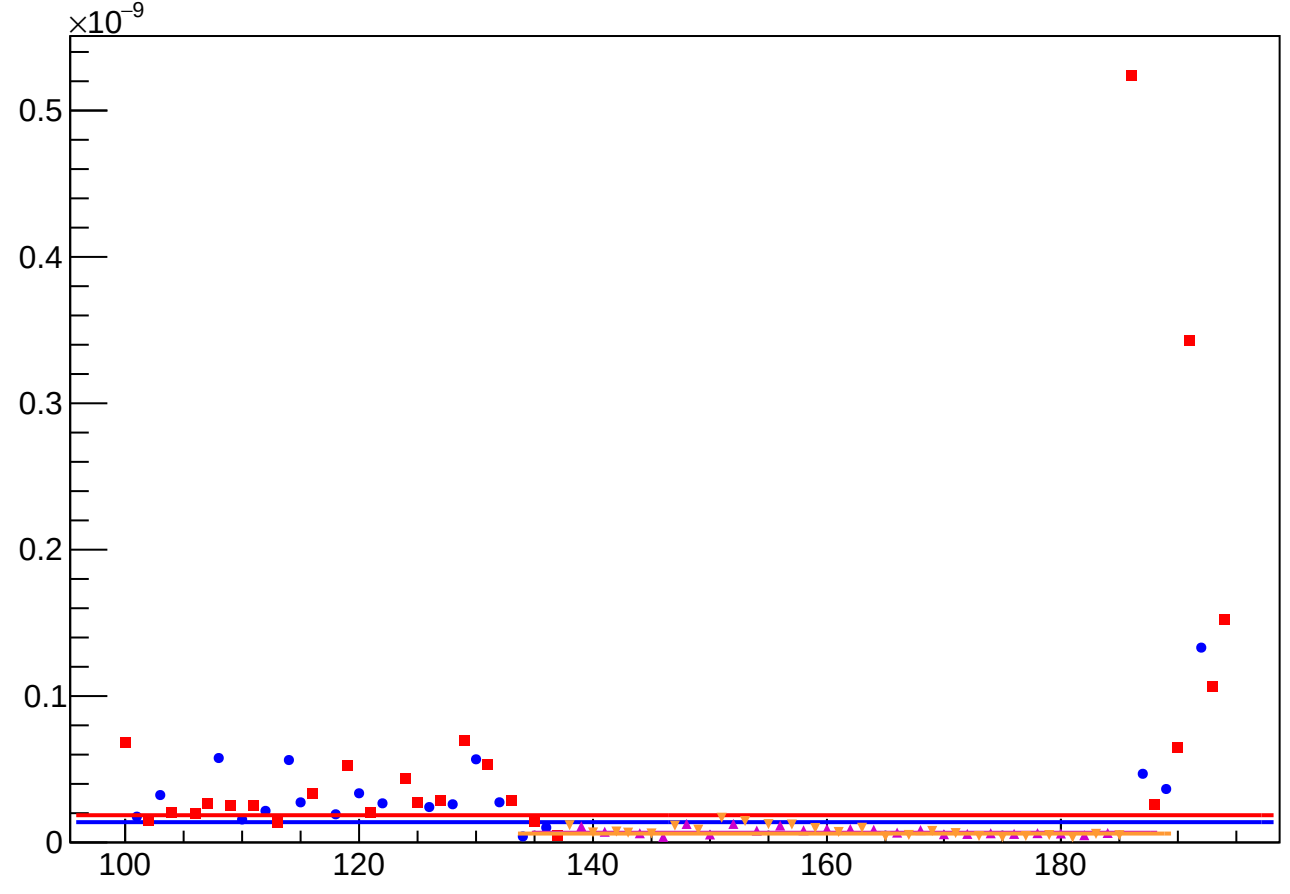
Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/24

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.5/43

All: 0.000+/-0.000 χ^2/NDF: 76.5/91

- sign -0.000+/-0.000 χ^2/NDF: 38.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 3121867.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3410641.7/24

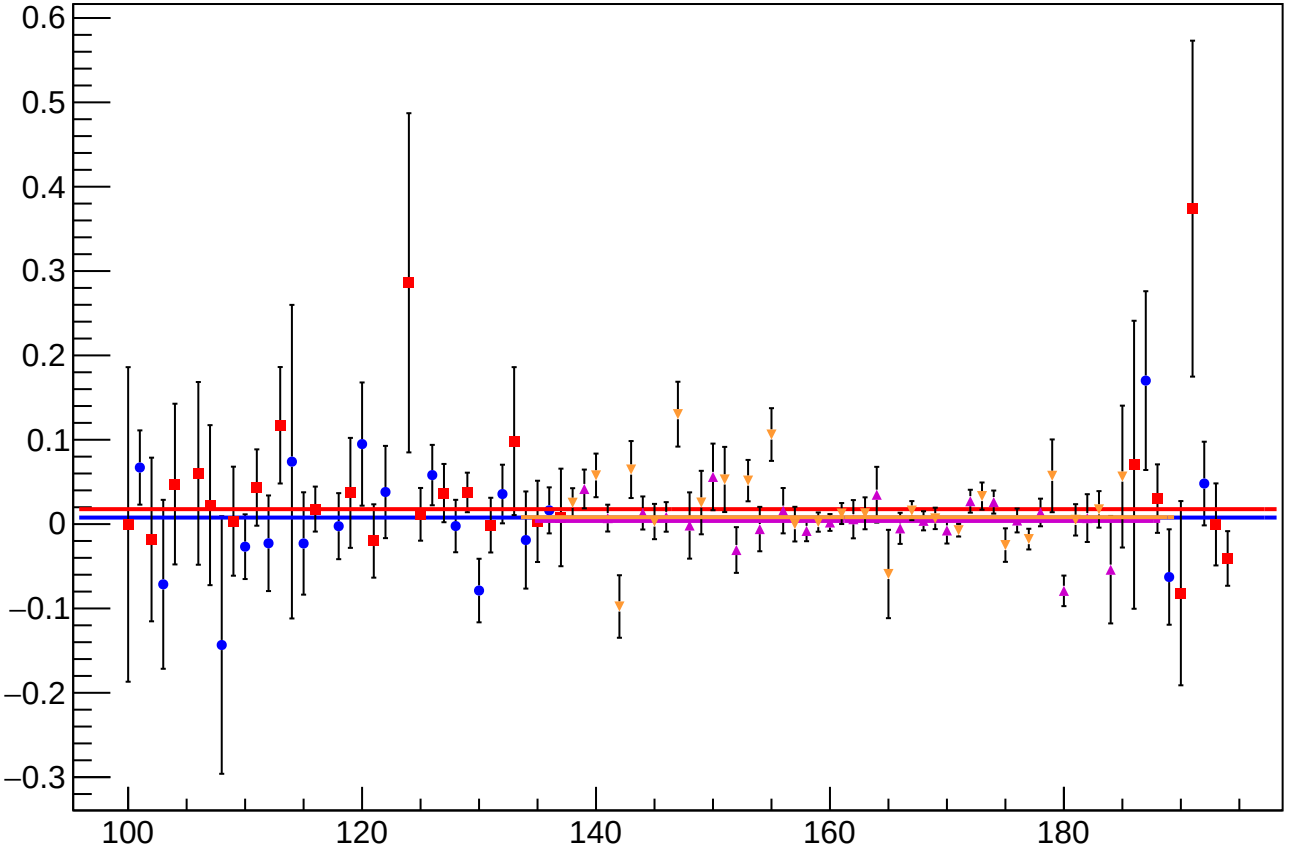
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6853219.3/43

All: 0.000+/-0.000 χ^2/NDF: 13714668.7/91

- sign 0.000+/-0.000 χ^2/NDF: 6782162.1/47

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: 0.018+/-0.009 χ^2/NDF: 15.5/24

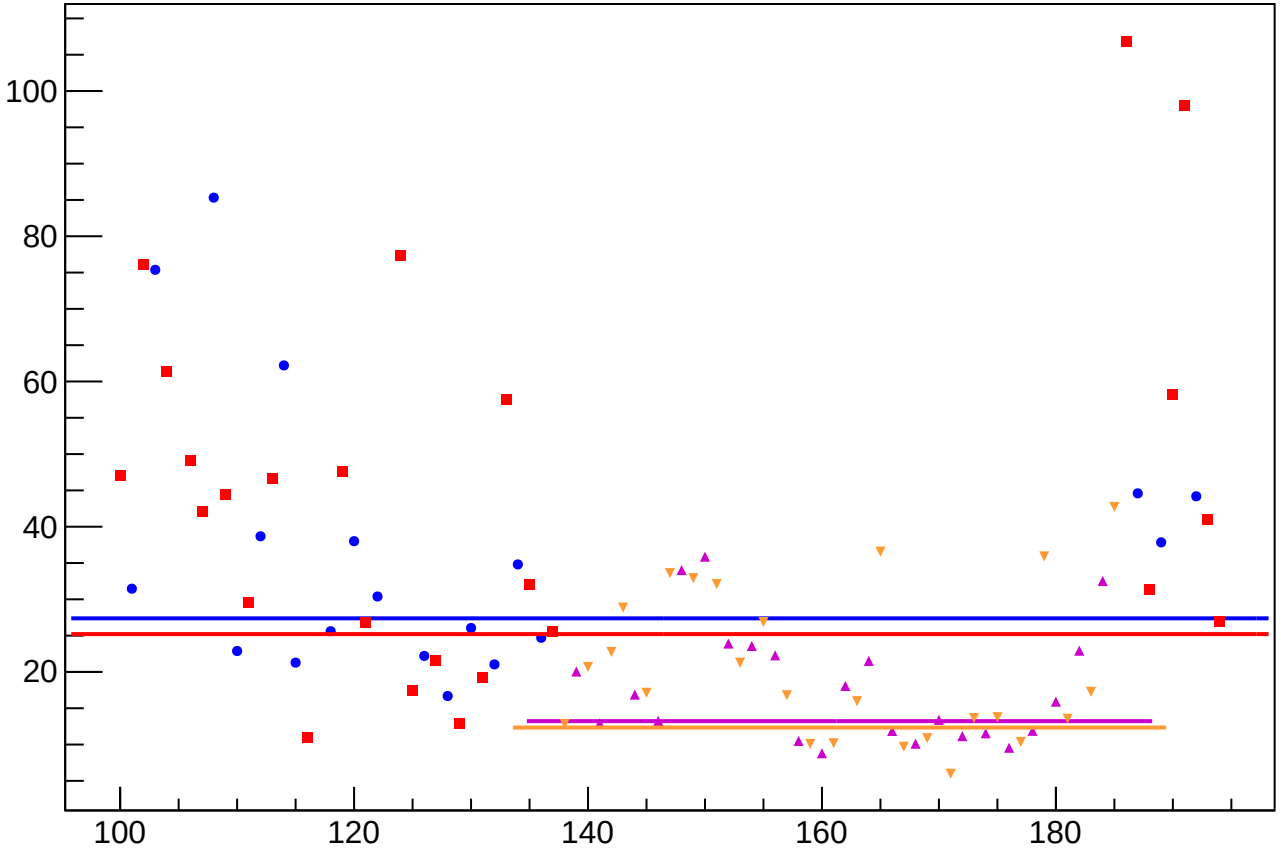
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.4/43

All: 0.007+/-0.002 χ^2/NDF: 133.3/91

- sign 0.006+/-0.003 χ^2/NDF: 54.6/47

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

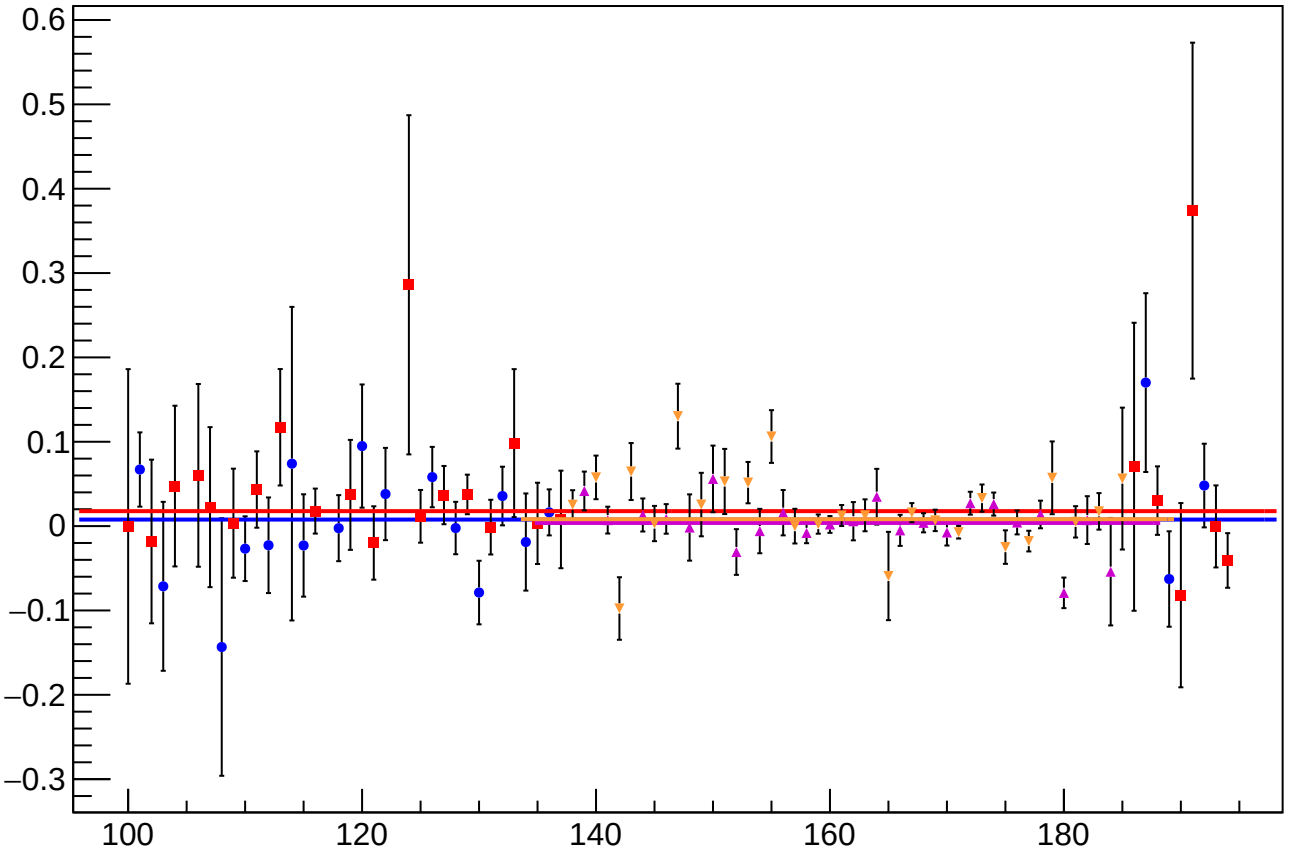
Right Out: 25.212+/-0.007 χ^2/NDF: 4612273.6/24

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.790+/-0.002 χ^2/NDF: 12158219.5/43

All: 14.263+/-0.002 χ^2/NDF: 23529321.4/91

- sign 14.768+/-0.002 χ^2/NDF: 11285194.5/47



Right In: 0.008+/-0.011 χ^2/NDF: 19.6/18

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

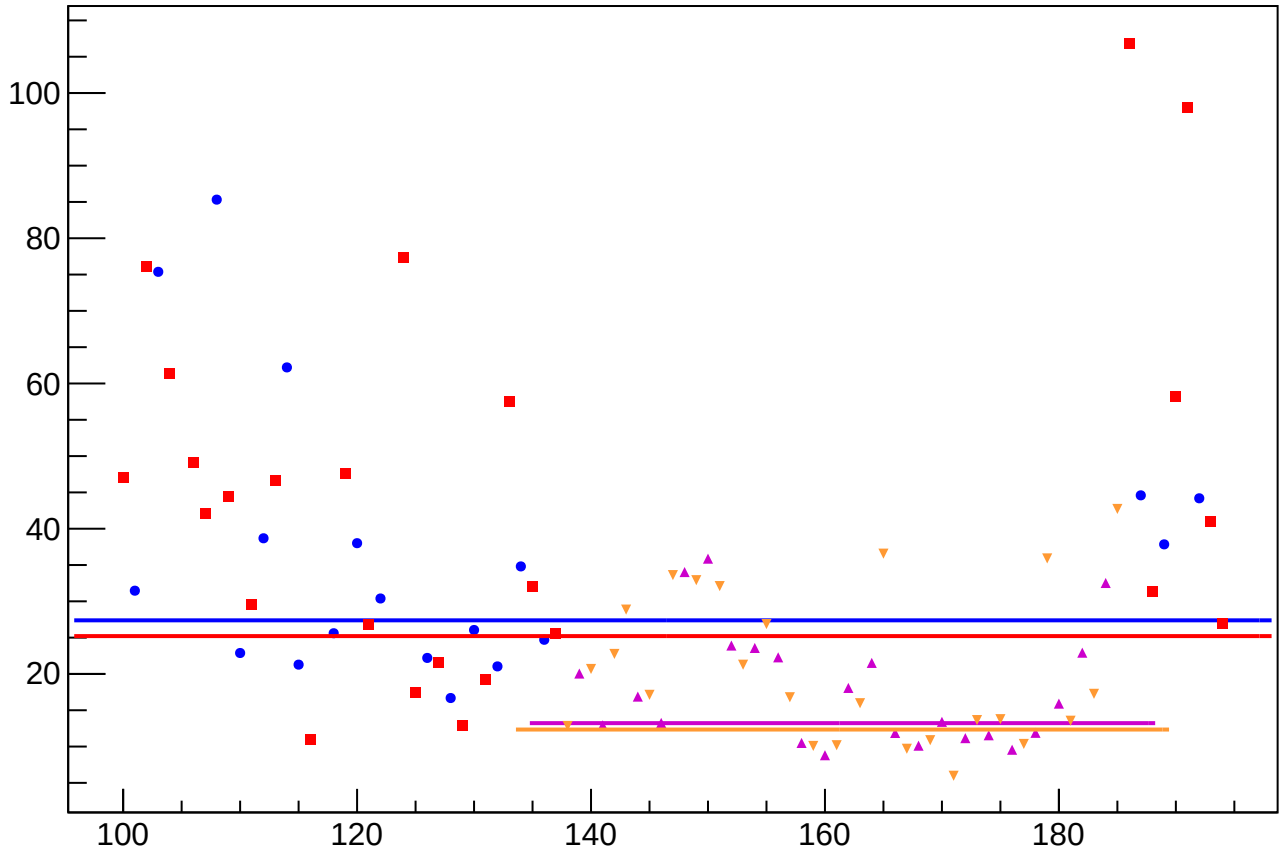
Right Out: 0.018+/-0.009 χ^2/NDF: 15.5/24

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.4/43

All: 0.007+/-0.002 χ^2/NDF: 133.3/91

- sign 0.006+/-0.003 χ^2/NDF: 54.6/47



Right In: 27.382+/-0.007 χ^2/NDF: 1765787.8/18

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

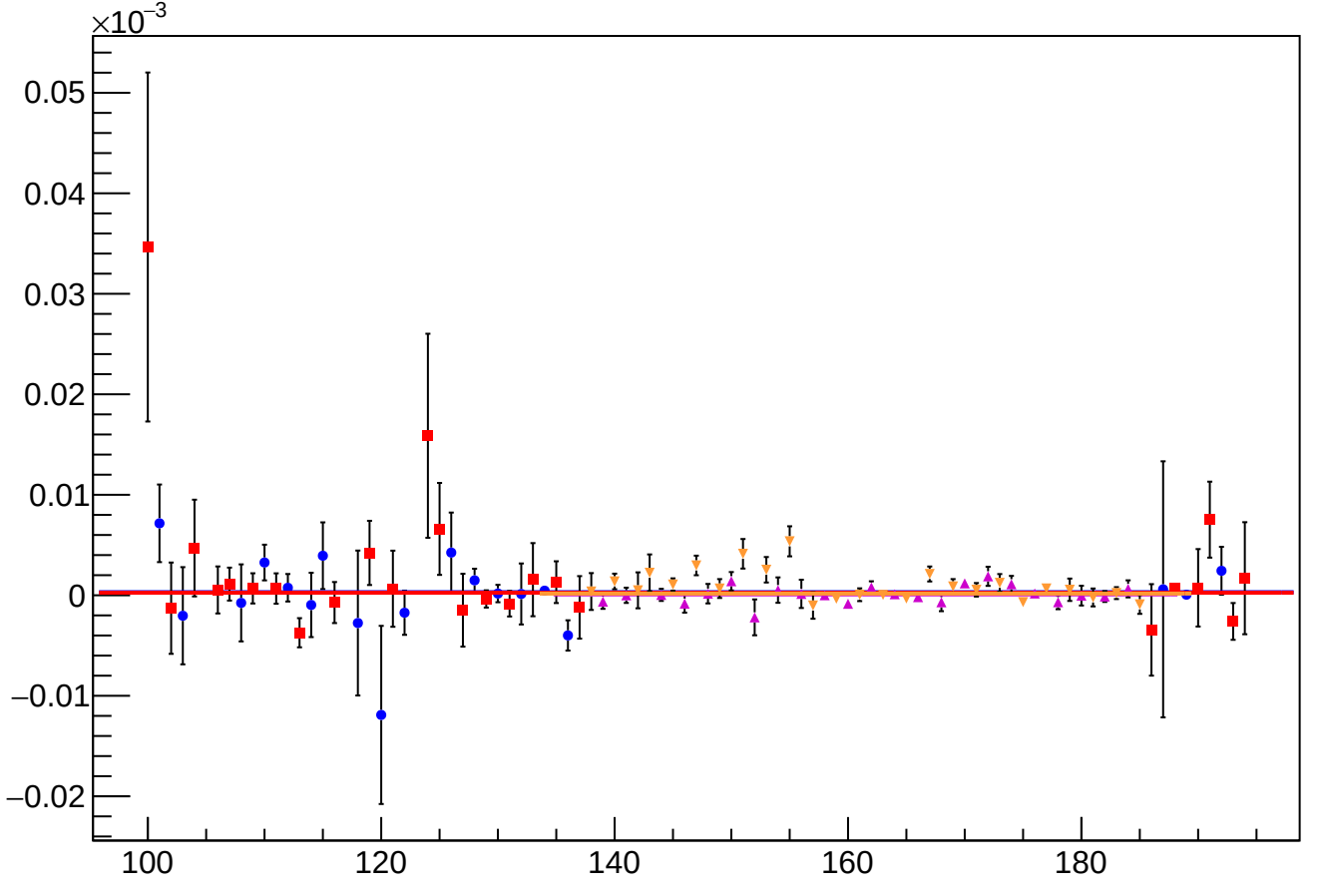
Right Out: 25.212+/-0.007 χ^2/NDF: 4612273.6/24

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

\+ sign 13.790+/-0.002 χ^2/NDF: 12158219.5/43

All: 14.263+/-0.002 χ^2/NDF: 23529321.4/91

\- sign 14.768+/-0.002 χ^2/NDF: 11285194.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

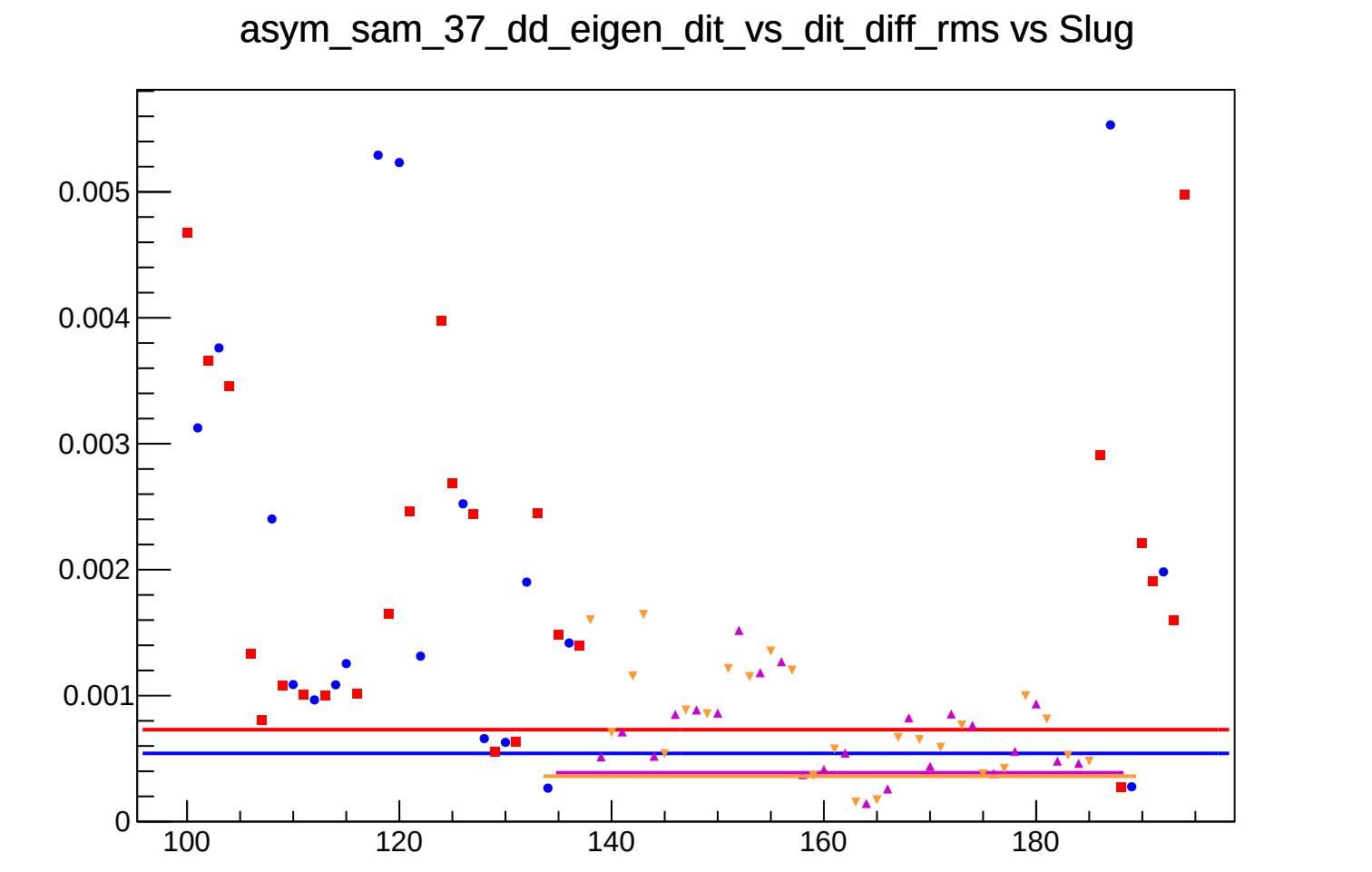
Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/24

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.7/43

All: 0.000+/-0.000 χ^2/NDF: 137.6/91

- sign 0.000+/-0.000 χ^2/NDF: 53.6/47



Right In: 0.001+/-0.000 χ^2/NDF: 8421277.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

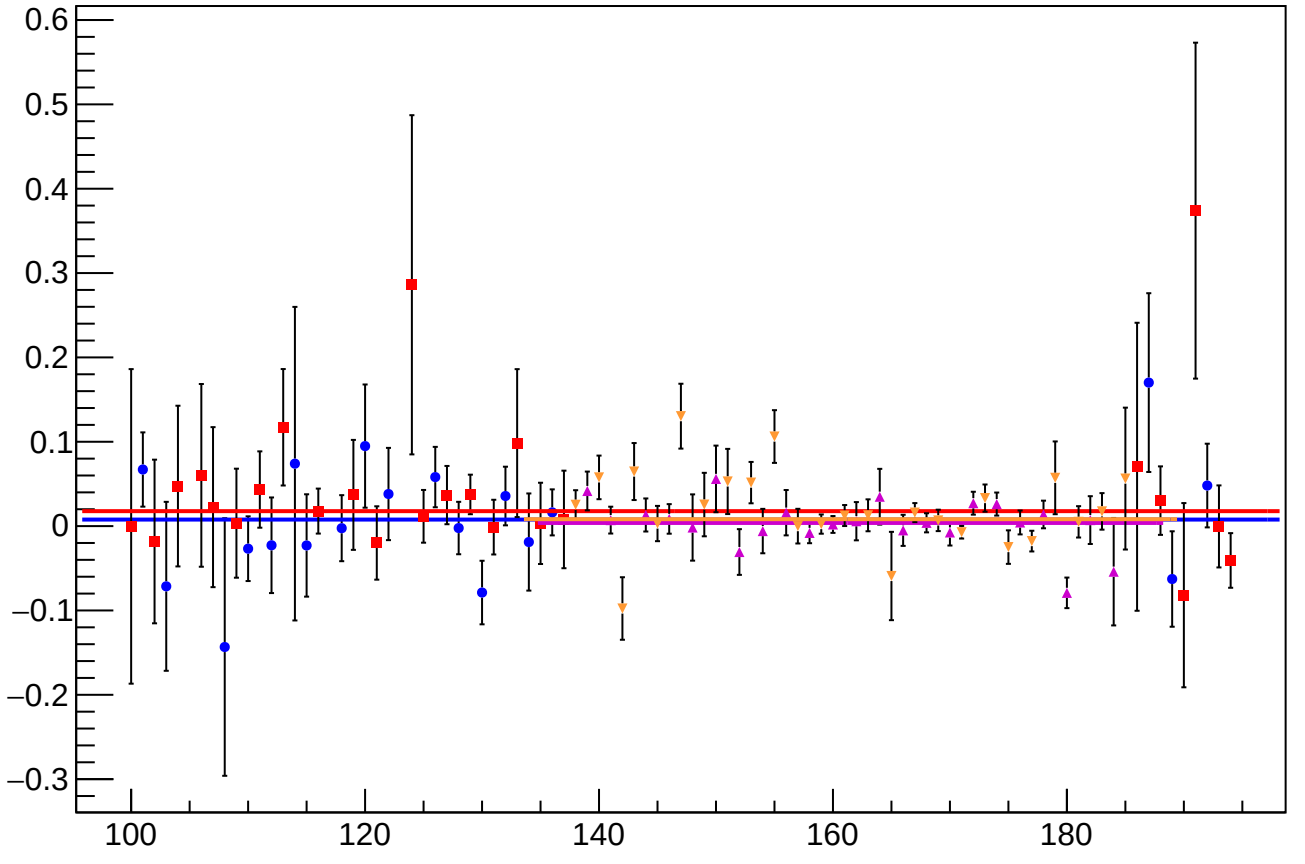
Right Out: 0.001+/-0.000 χ^2/NDF: 8999126.3/24

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 23202876.4/43

All: 0.000+/-0.000 χ^2/NDF: 44927090.1/91

- sign 0.000+/-0.000 χ^2/NDF: 21543999.4/47



Right In: 0.008+/-0.011 χ^2/NDF: 19.6/18

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

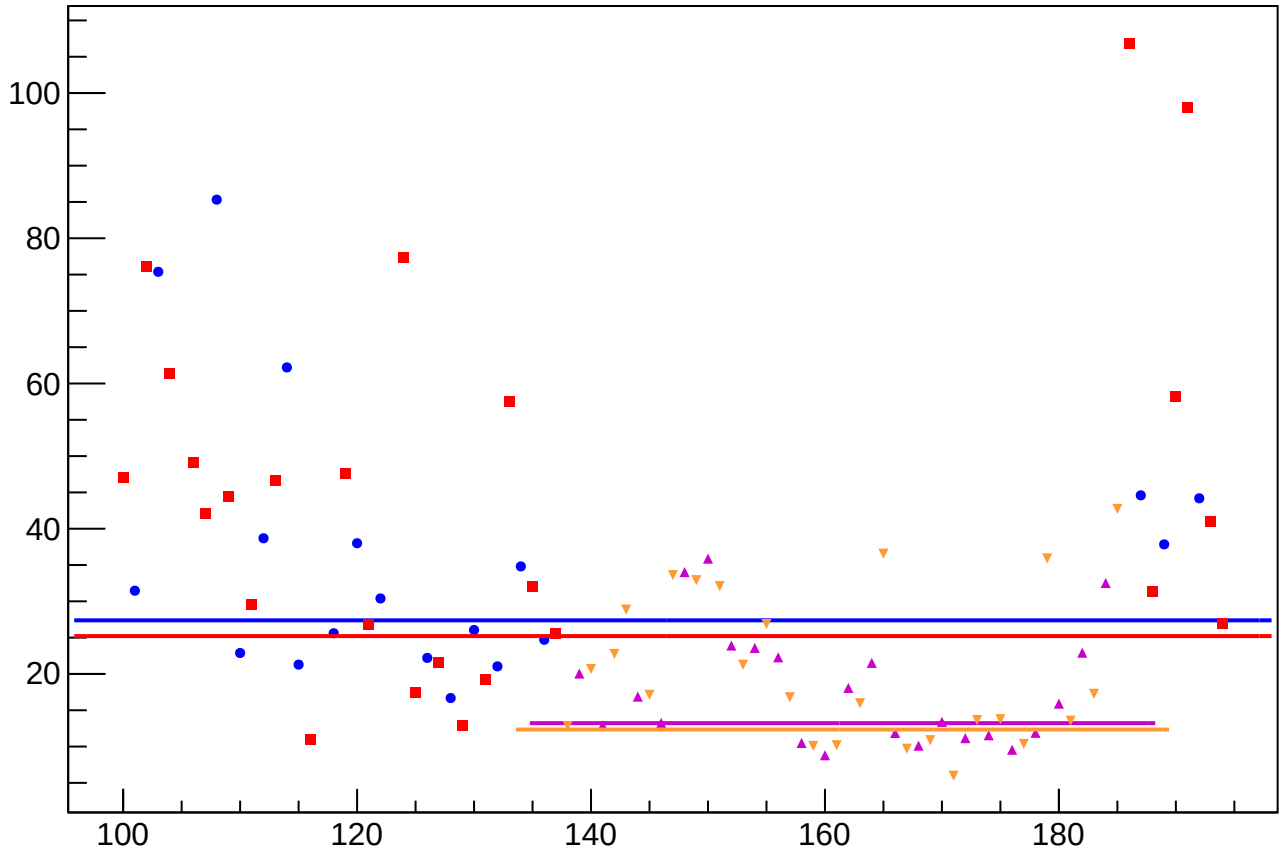
Right Out: 0.018+/-0.009 χ^2/NDF: 15.4/24

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.4/43

All: 0.007+/-0.002 χ^2/NDF: 133.3/91

- sign 0.006+/-0.003 χ^2/NDF: 54.6/47



Right In: 27.383+/-0.007 χ^2/NDF: 1765707.9/18

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

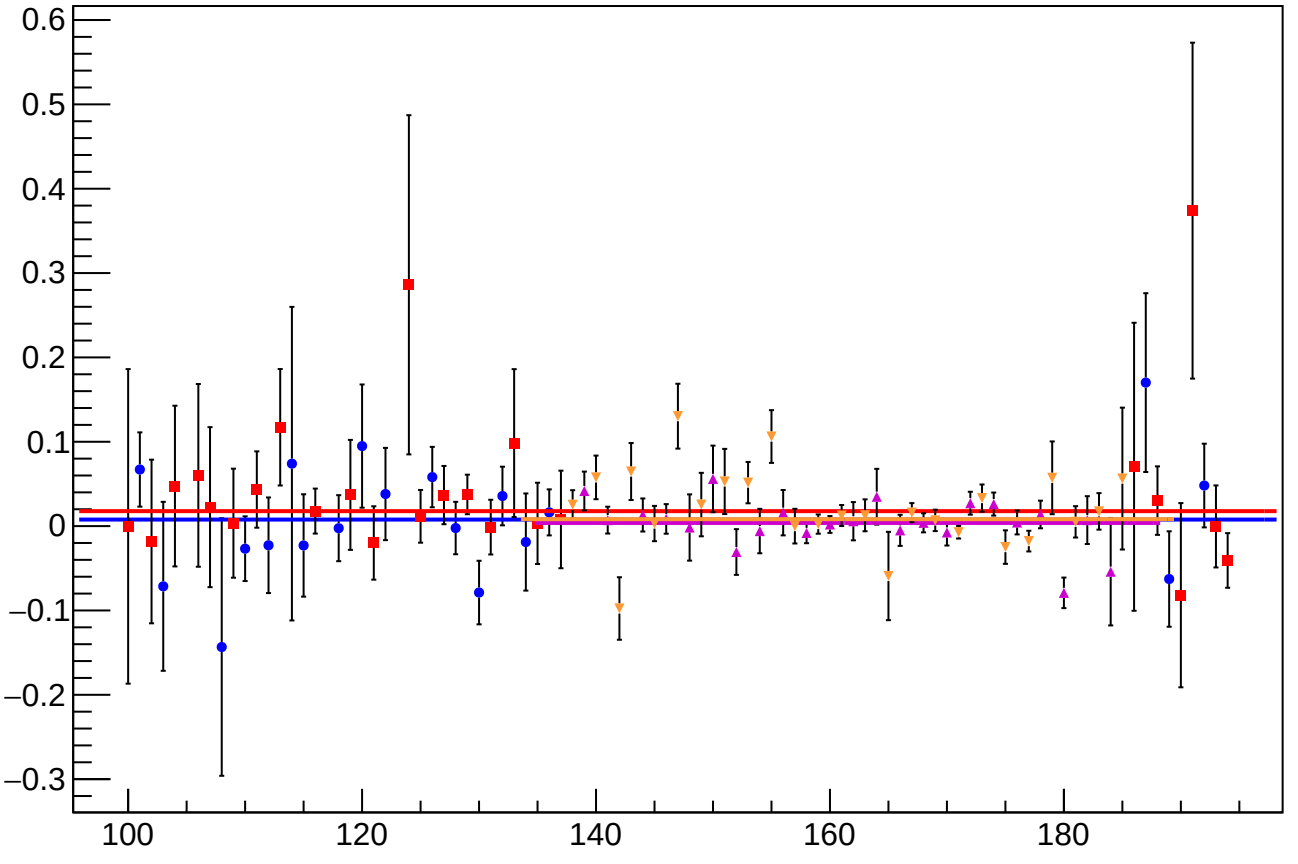
Right Out: 25.212+/-0.007 χ^2/NDF: 4612039.5/24

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.790+/-0.002 χ^2/NDF: 12158431.9/43

All: 14.264+/-0.002 χ^2/NDF: 23529618.2/91

- sign 14.769+/-0.002 χ^2/NDF: 11285284.2/47



Right In: 0.008+/-0.011 χ^2/NDF: 19.6/18

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

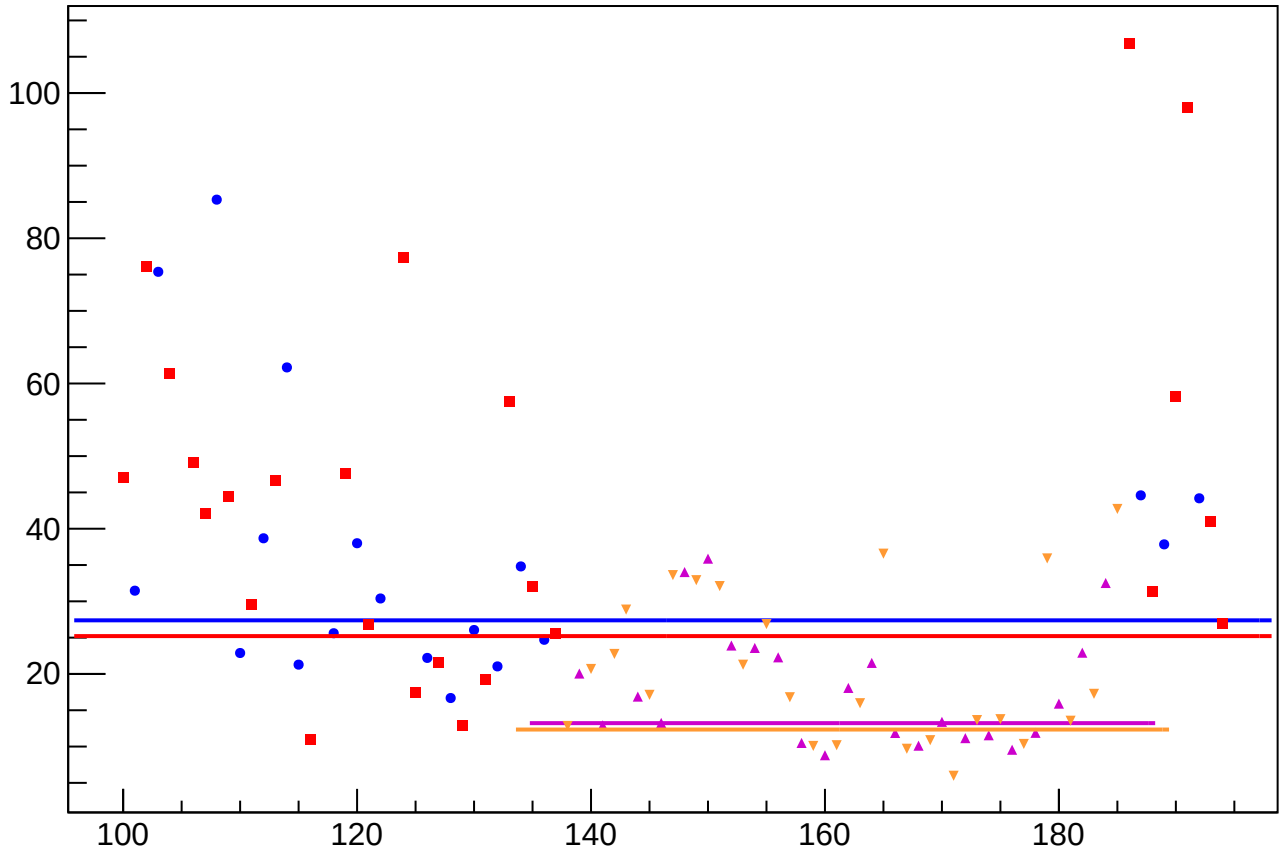
Right Out: 0.018+/-0.009 χ^2/NDF: 15.4/24

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 78.4/43

All: 0.007+/-0.002 χ^2/NDF: 133.3/91

- sign 0.006+/-0.003 χ^2/NDF: 54.6/47



Right In: 27.383+/-0.007 χ^2/NDF: 1765707.9/18

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

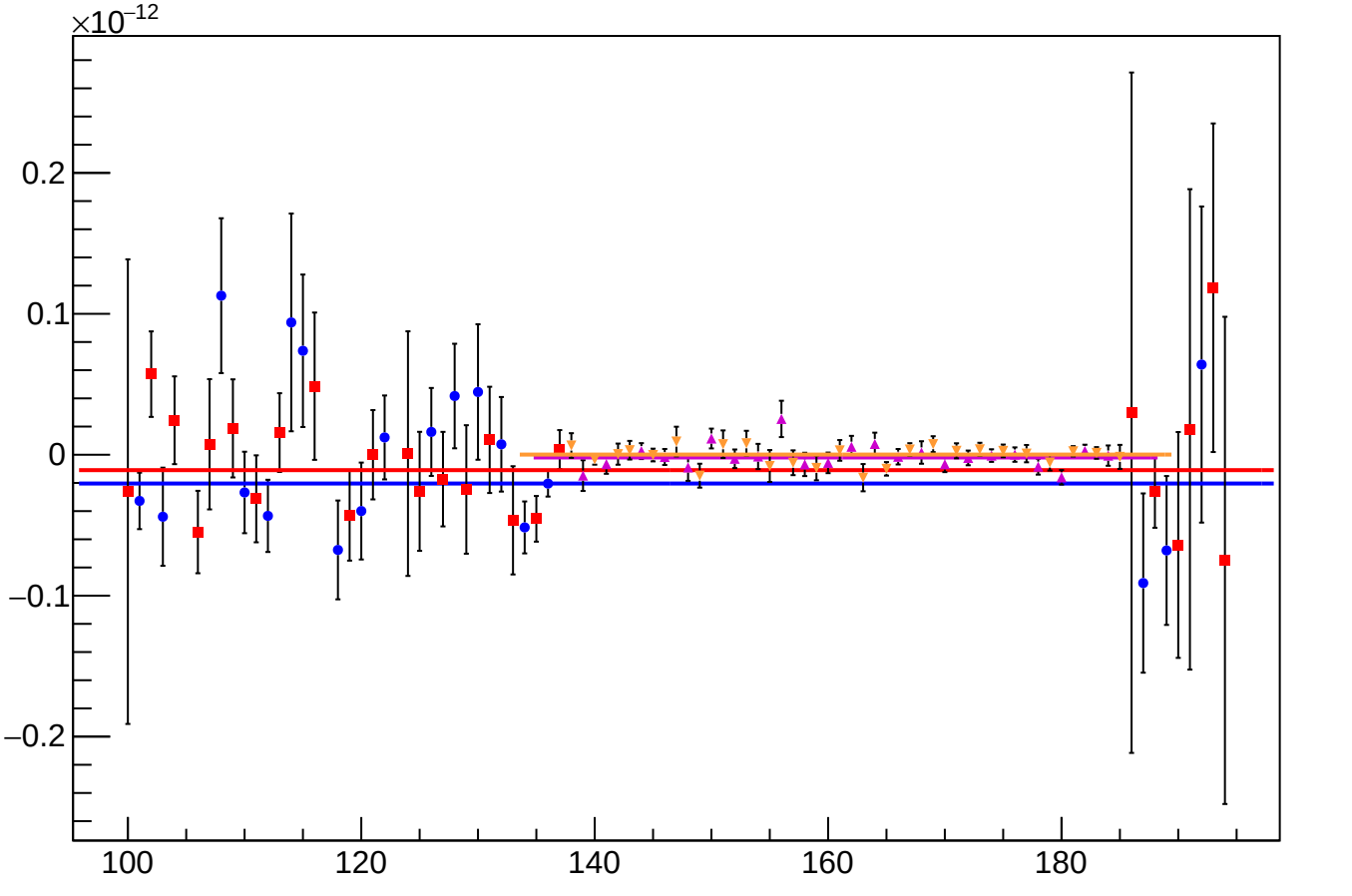
Right Out: 25.212+/-0.007 χ^2/NDF: 4612039.5/24

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.790+/-0.002 χ^2/NDF: 12158431.9/43

All: 14.264+/-0.002 χ^2/NDF: 23529618.2/91

- sign 14.769+/-0.002 χ^2/NDF: 11285284.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

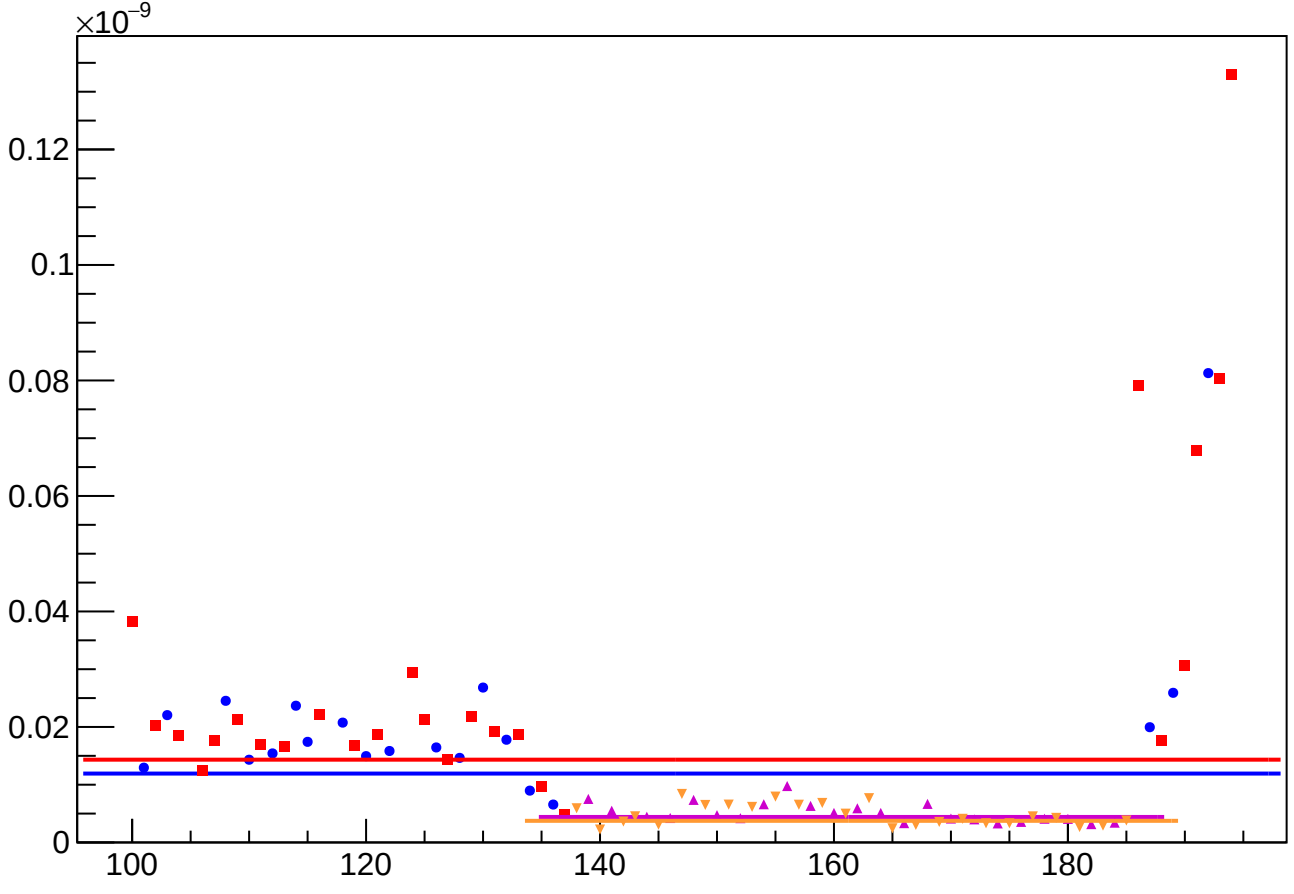
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/24

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: 112.0/91

- sign -0.000+/-0.000 χ^2/NDF: 49.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 2546773.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3750757.3/24

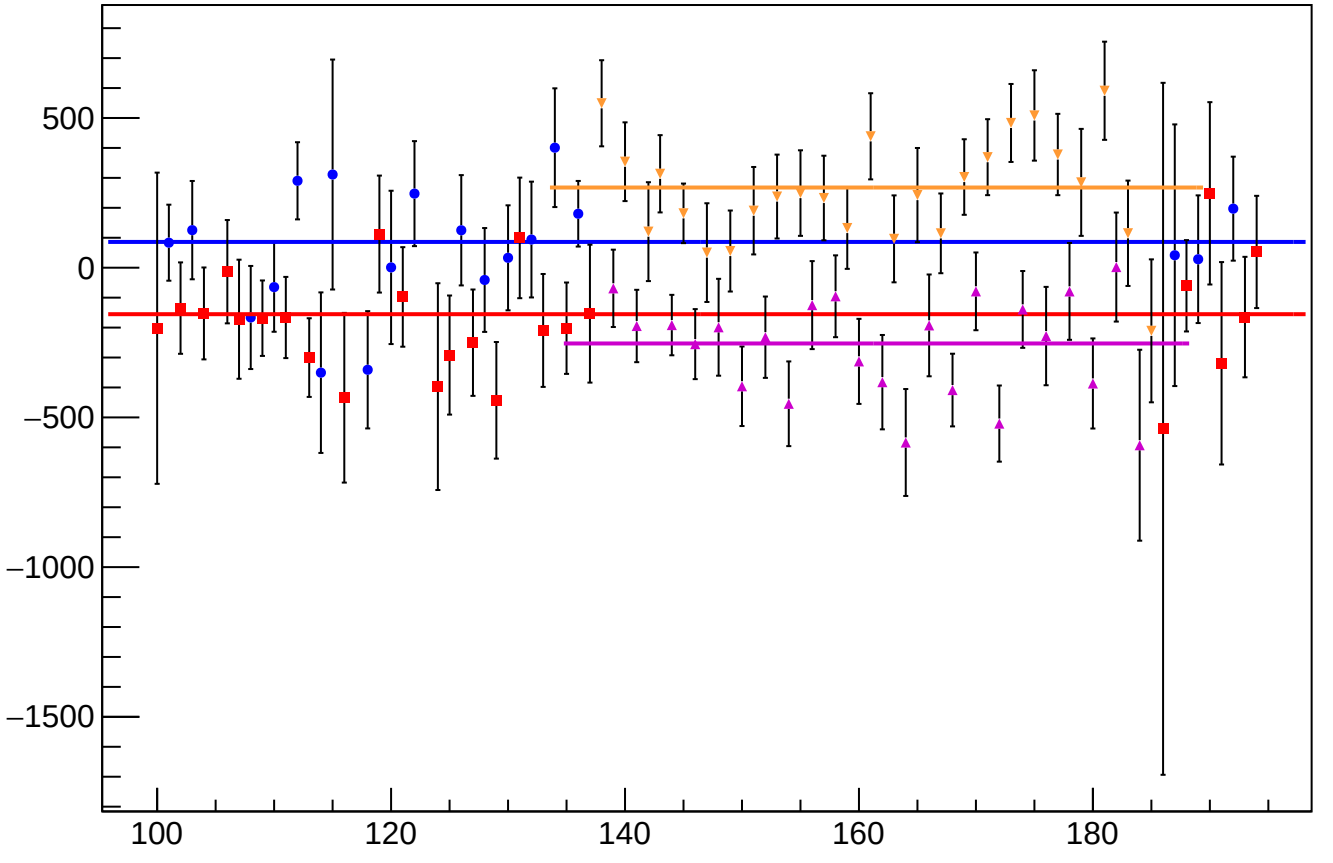
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9265466.8/43

All: 0.000+/-0.000 χ^2/NDF: 19606103.3/91

- sign 0.000+/-0.000 χ^2/NDF: 9948759.9/47

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: -155.244+/-37.244 χ^2/NDF: 13.8/24

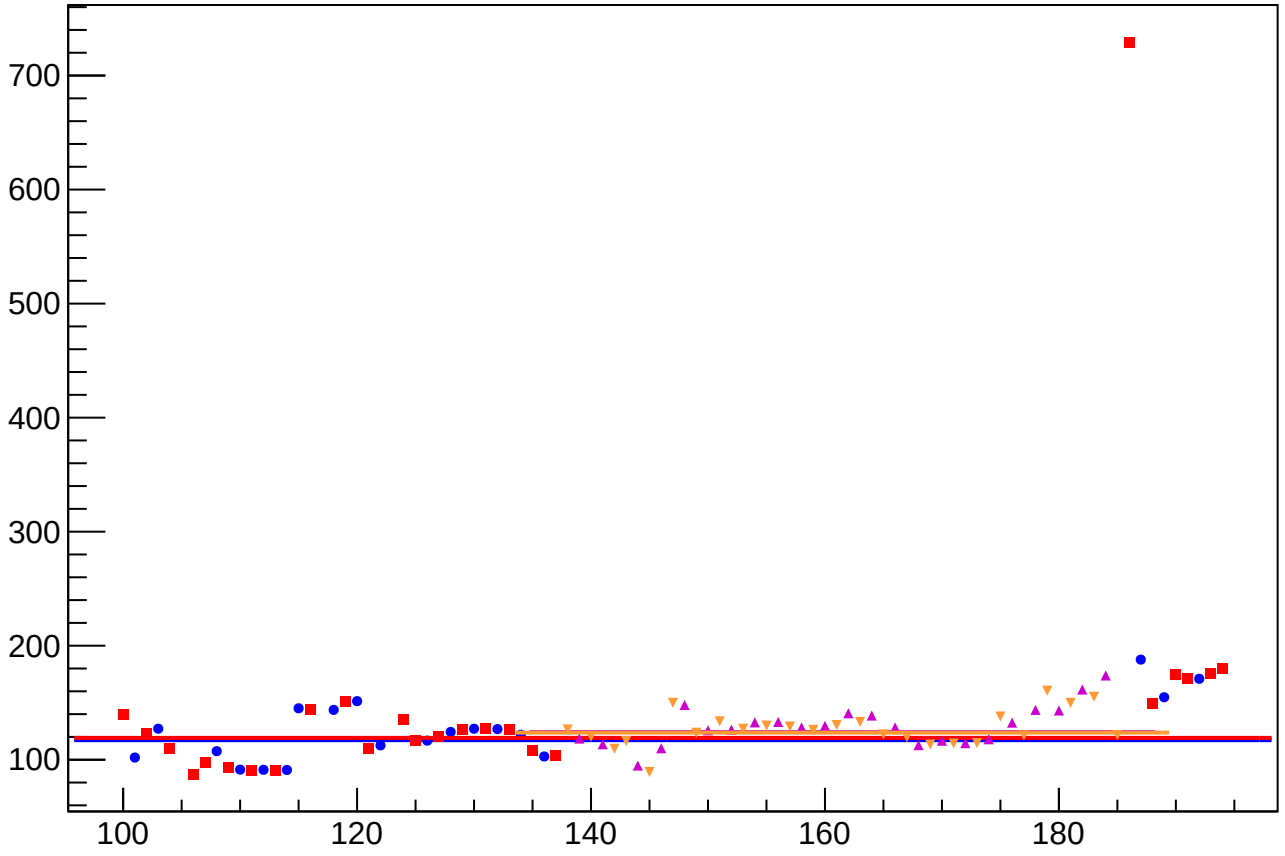
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 206.944+/-23.169 χ^2/NDF: 63.6/43

All: -5.578+/-16.335 χ^2/NDF: 275.2/91

- sign -215.637+/-23.034 χ^2/NDF: 44.3/47

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: 119.143+/-0.026 χ^2/NDF: 1598932.5/24

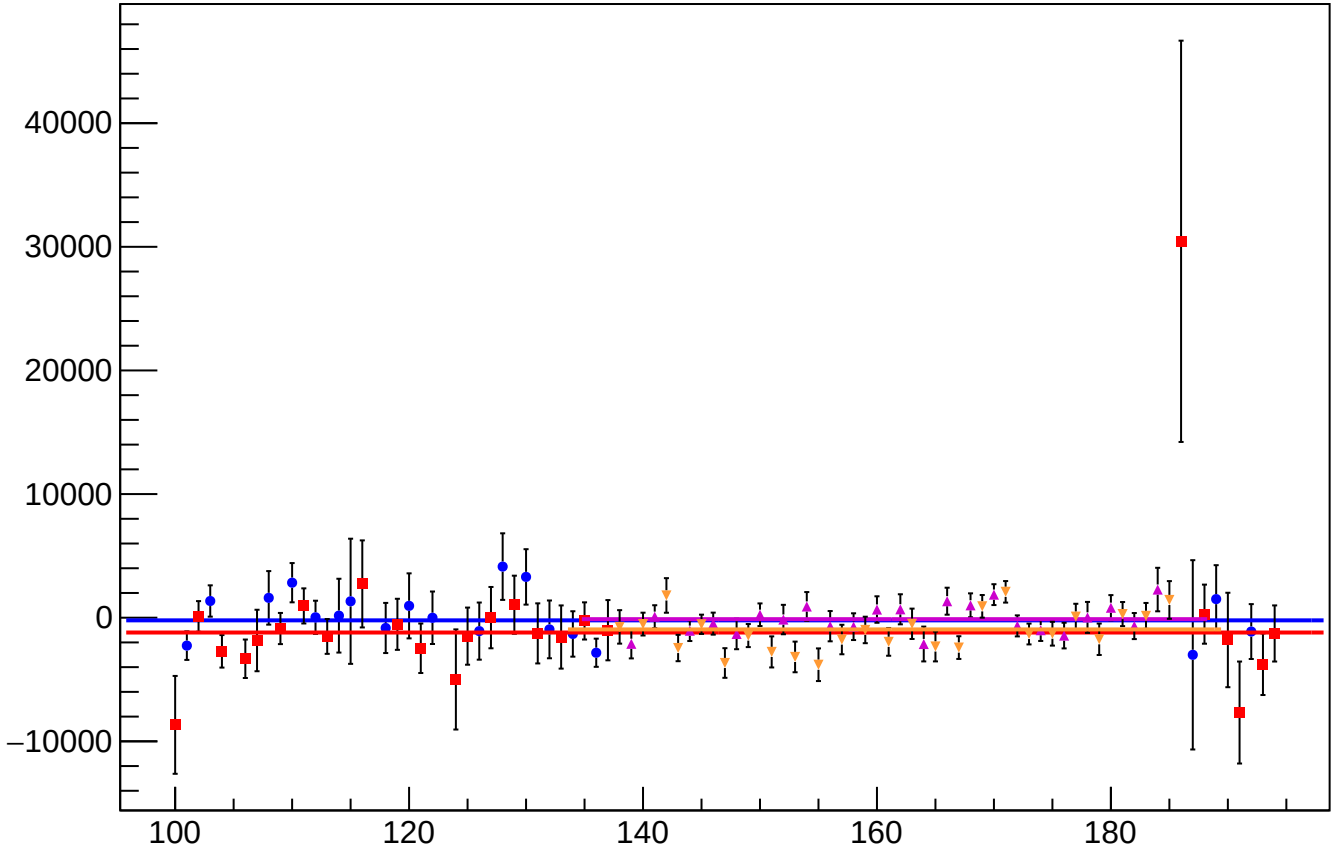
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 121.581+/-0.016 χ^2/NDF: 1279555.7/43

All: 121.944+/-0.012 χ^2/NDF: 3459976.1/91

- sign 122.302+/-0.016 χ^2/NDF: 2179445.9/47

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: -1198.803+/-400.020 χ^2/NDF: 22.3/24

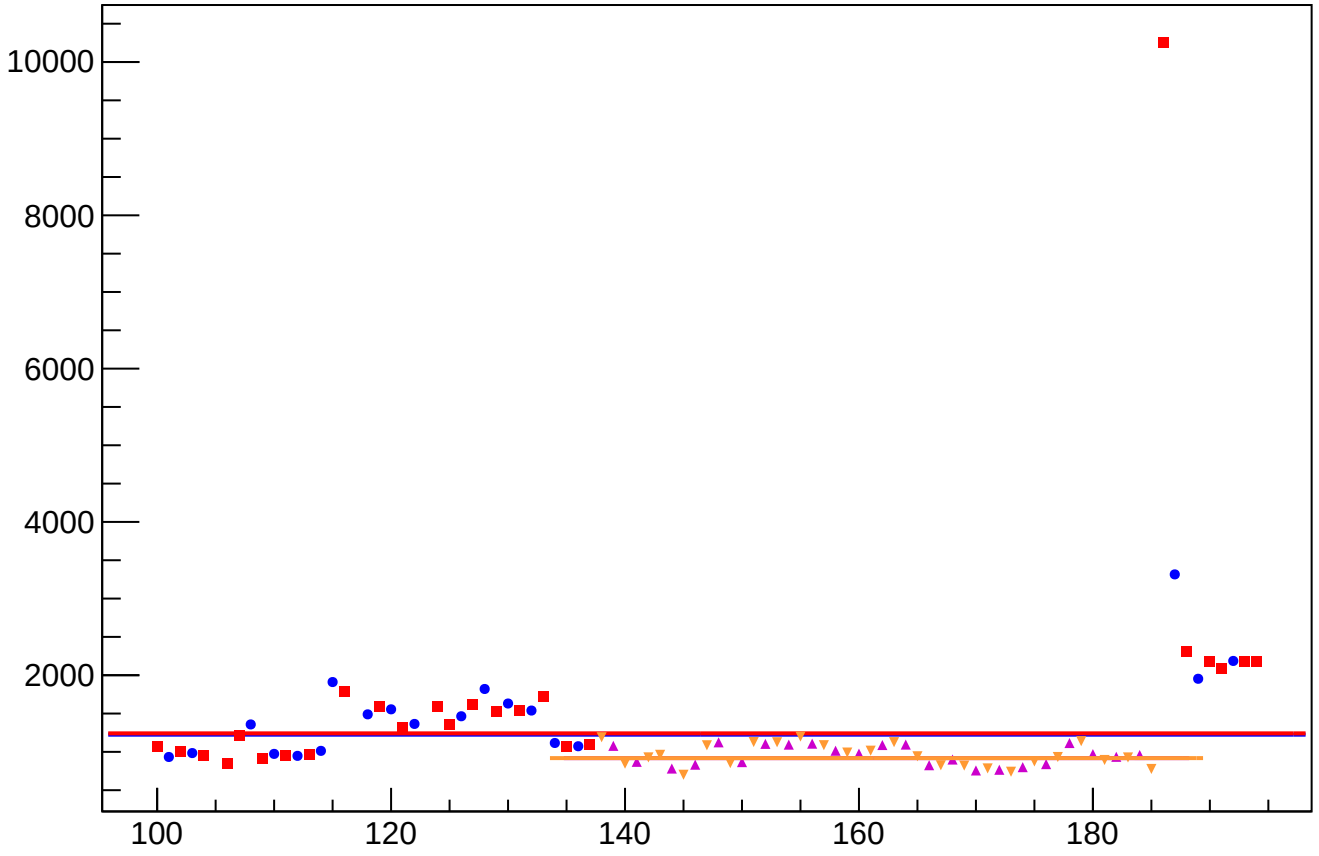
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -804.240+/-189.935 χ^2/NDF: 73.8/43

All: -585.363+/-134.628 χ^2/NDF: 128.8/91

- sign -364.363+/-190.854 χ^2/NDF: 52.3/47

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: 1241.477+/-0.283 χ^2/NDF: 2790395.6/24

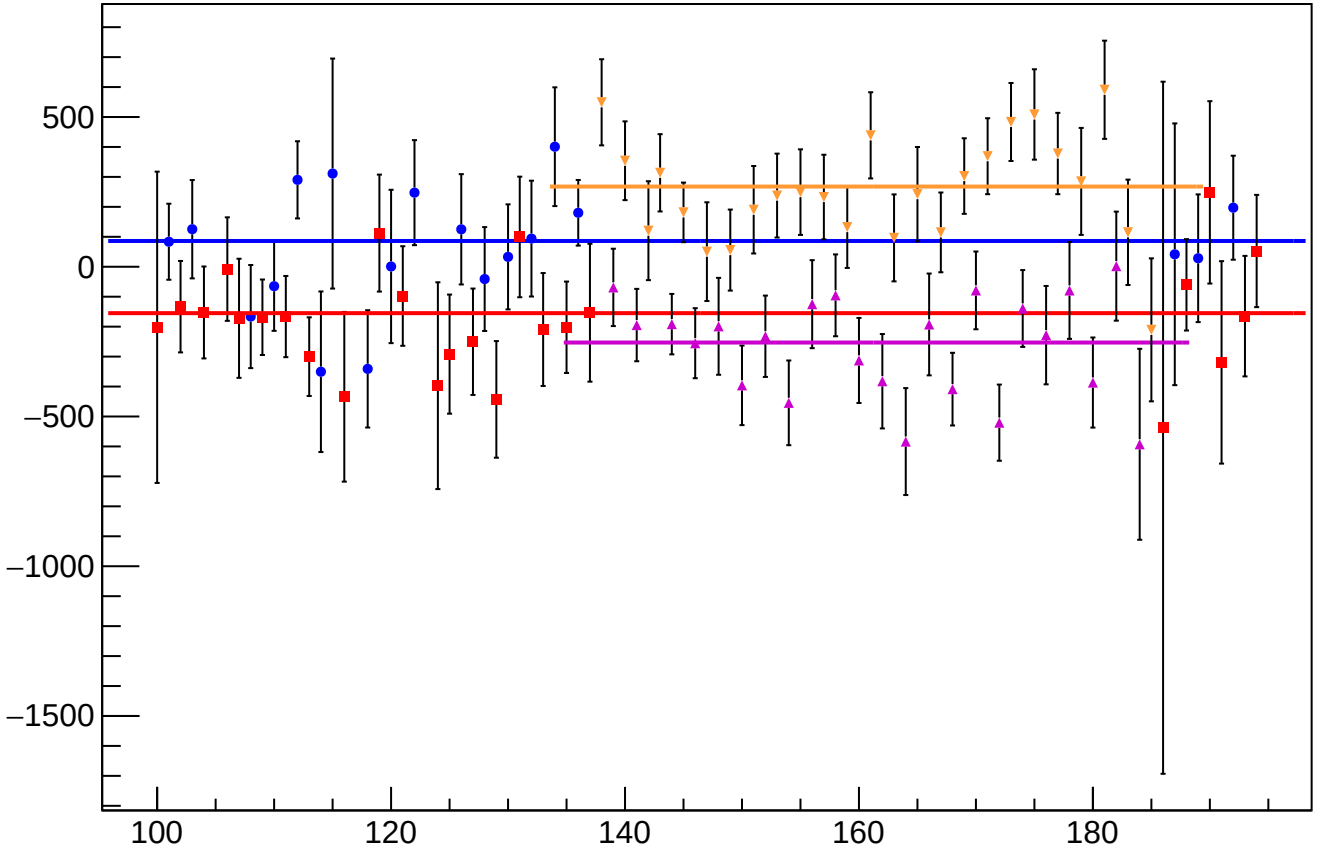
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 978.345+/-0.134 χ^2/NDF: 3096017.5/43

All: 985.040+/-0.095 χ^2/NDF: 7566458.9/91

- sign 991.800+/-0.135 χ^2/NDF: 4465447.2/47

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: -154.910+/-37.248 χ^2/NDF: 13.9/24

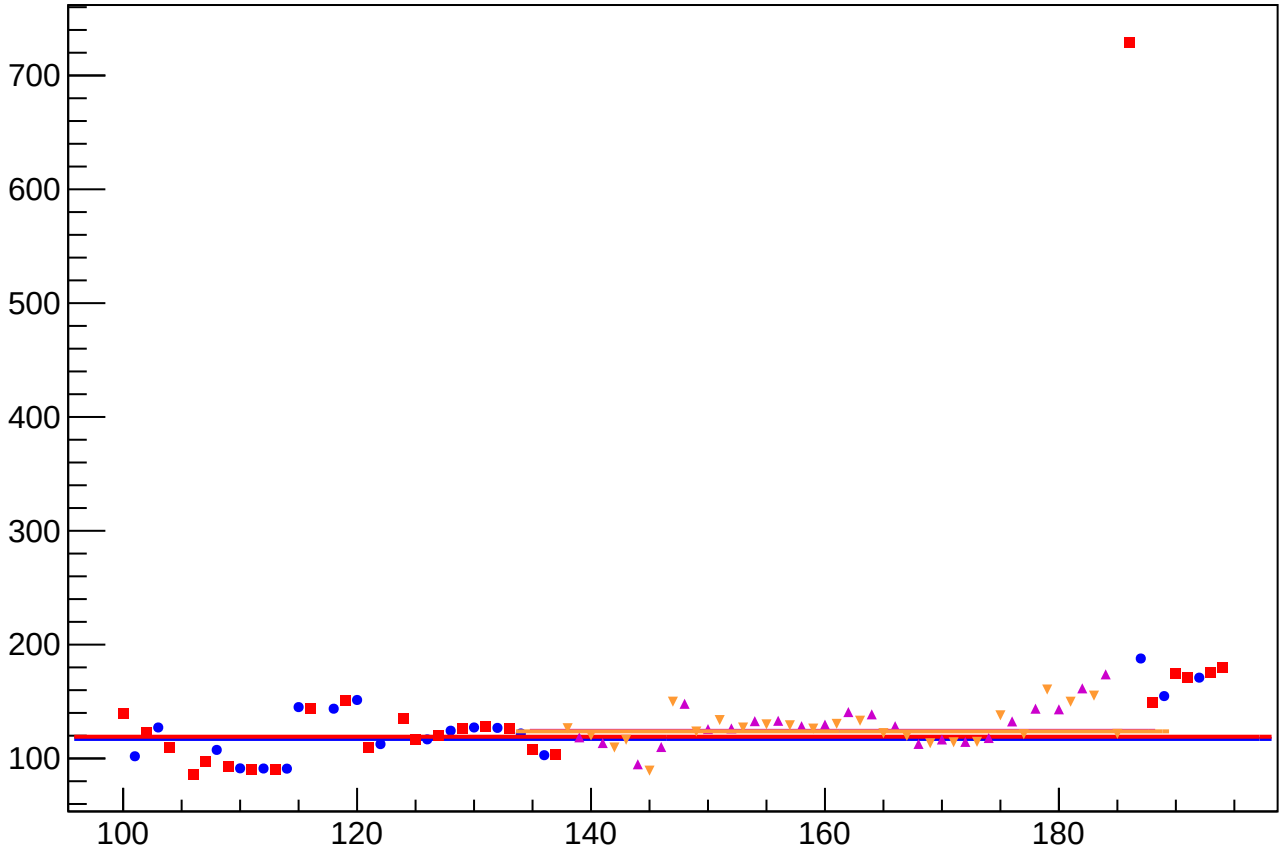
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 206.946+/-23.169 χ^2/NDF: 63.6/43

All: -5.507+/-16.335 χ^2/NDF: 275.1/91

- sign -215.516+/-23.035 χ^2/NDF: 44.4/47

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: 119.099+/-0.026 χ^2/NDF: 1603723.6/24

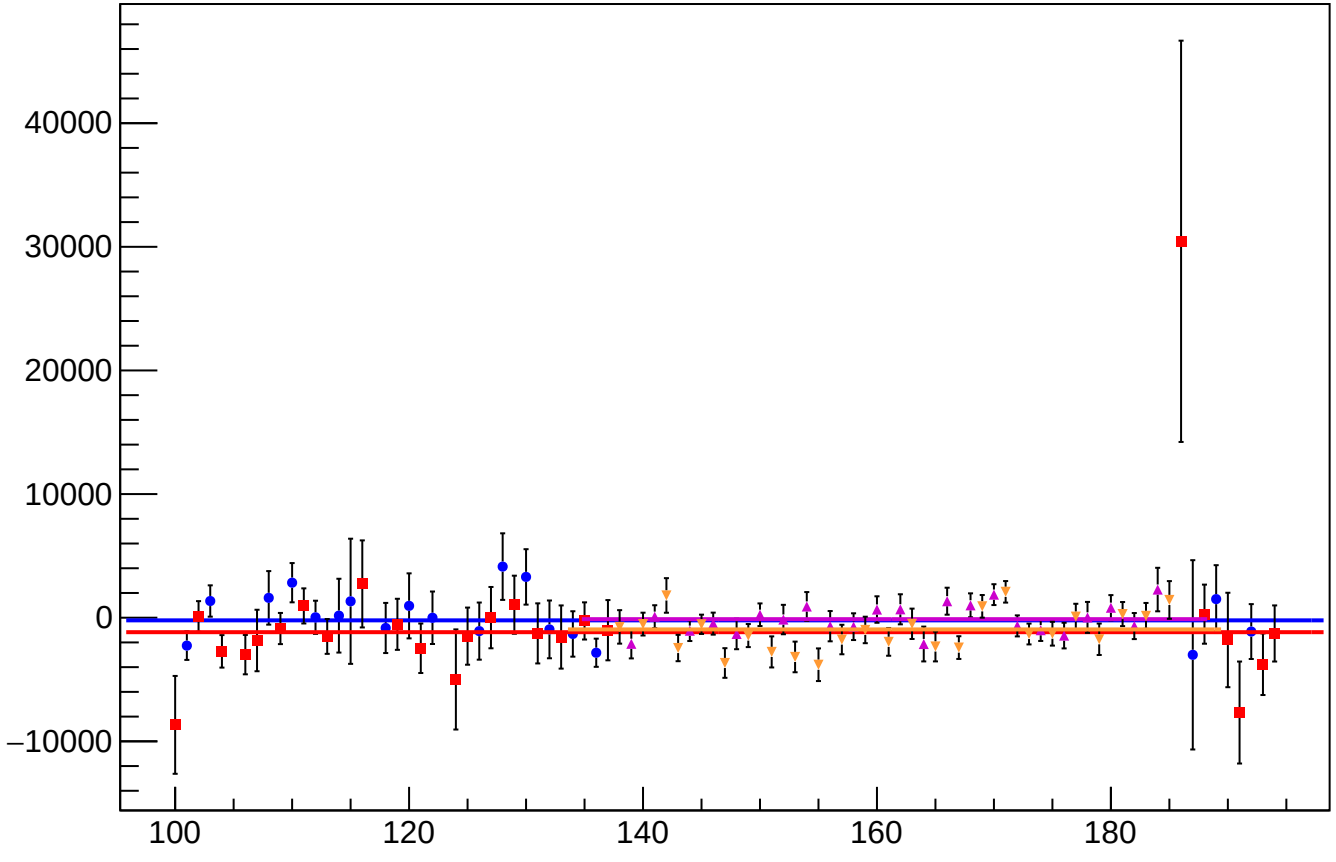
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 121.581+/-0.016 χ^2/NDF: 1279556.1/43

All: 121.935+/-0.012 χ^2/NDF: 3465129.5/91

- sign 122.285+/-0.016 χ^2/NDF: 2184643.9/47

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: -1171.572+/-400.642 χ^2/NDF: 21.7/24

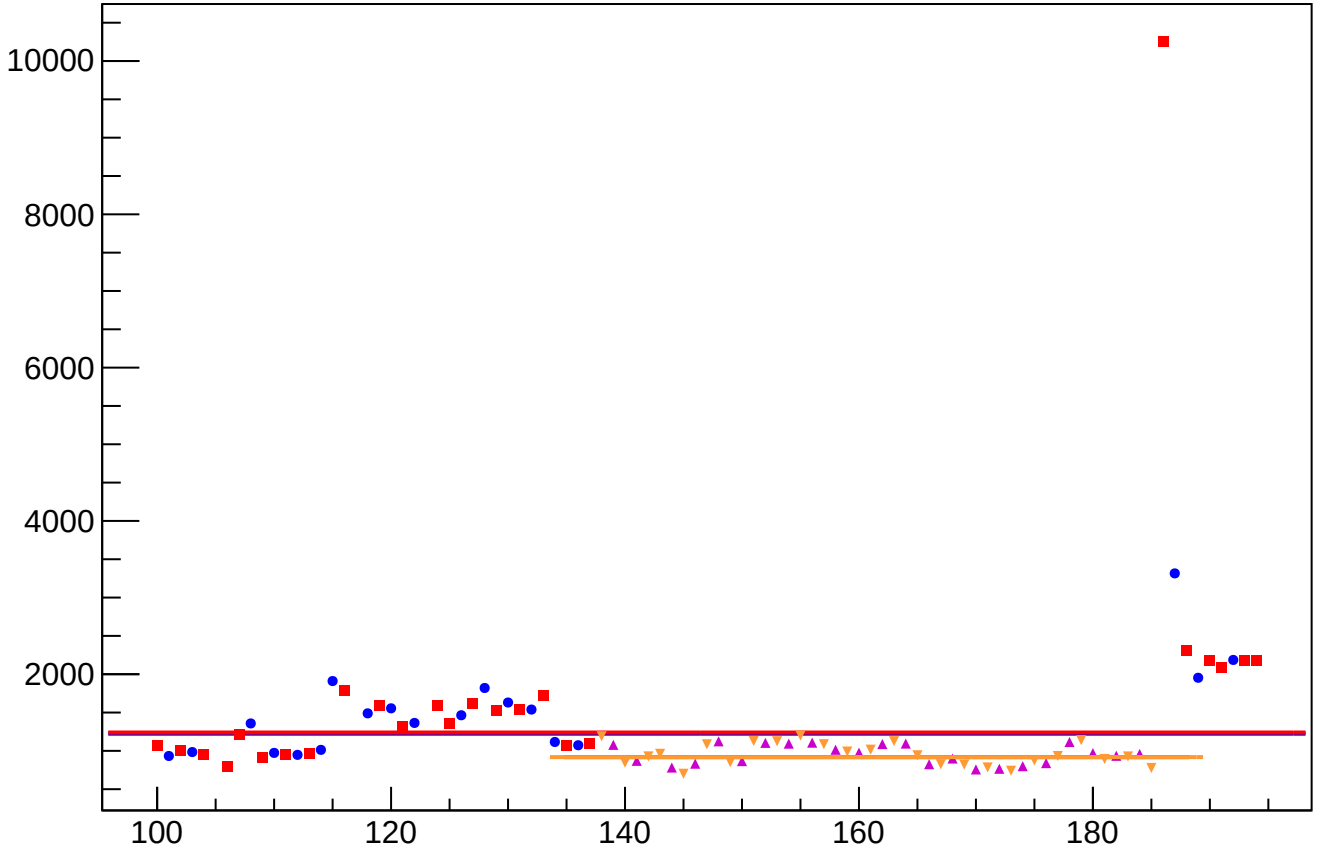
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -804.248+/-189.935 χ^2/NDF: 73.8/43

All: -582.077+/-134.652 χ^2/NDF: 127.9/91

- sign -357.592+/-190.922 χ^2/NDF: 51.4/47

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: 1239.529+/-0.283 χ^2/NDF: 2817673.6/24

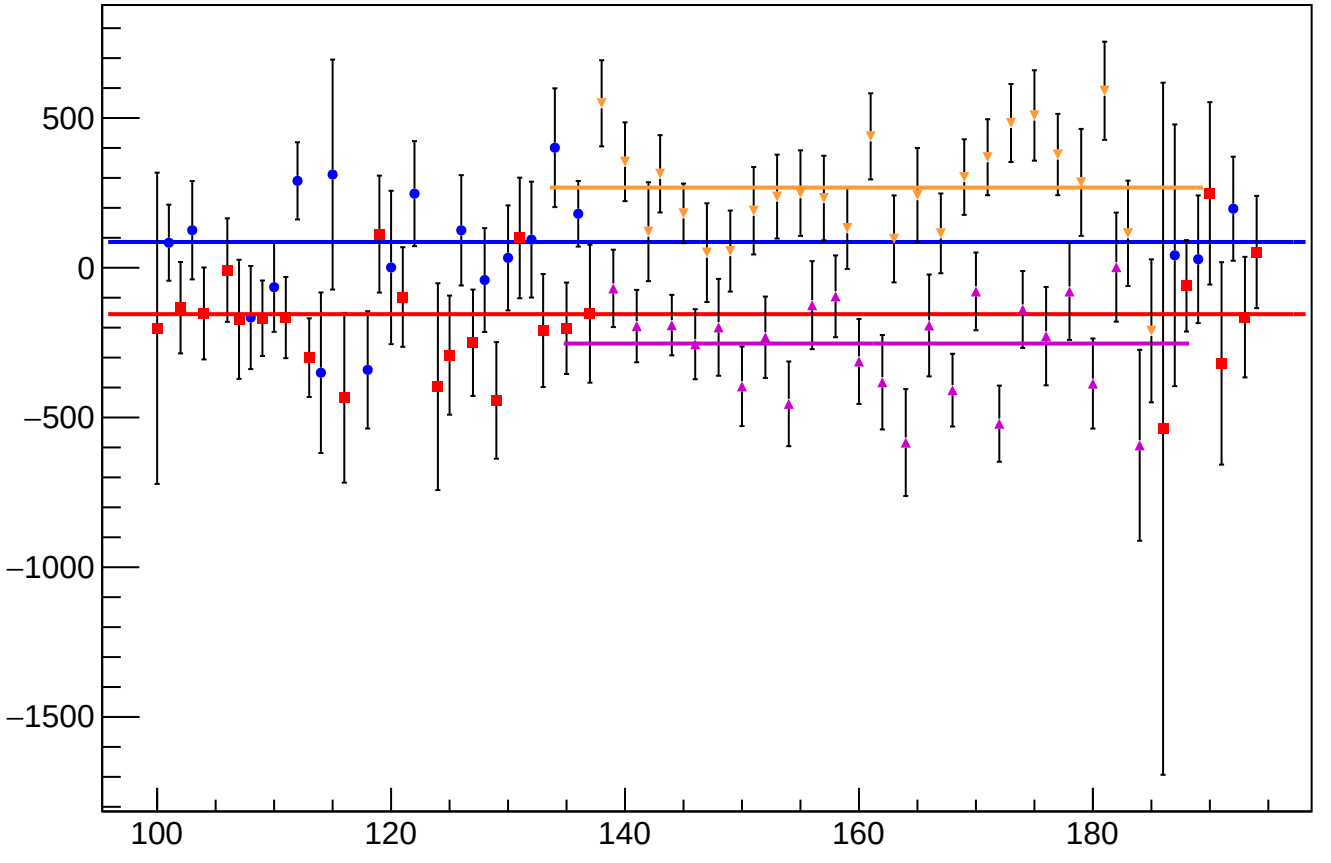
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 978.346+/-0.134 χ^2/NDF: 3096016.8/43

All: 984.731+/-0.095 χ^2/NDF: 7578774.8/91

- sign 991.182+/-0.135 χ^2/NDF: 4478215.0/47

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: -154.910+/-37.248 χ^2/NDF: 13.9/24

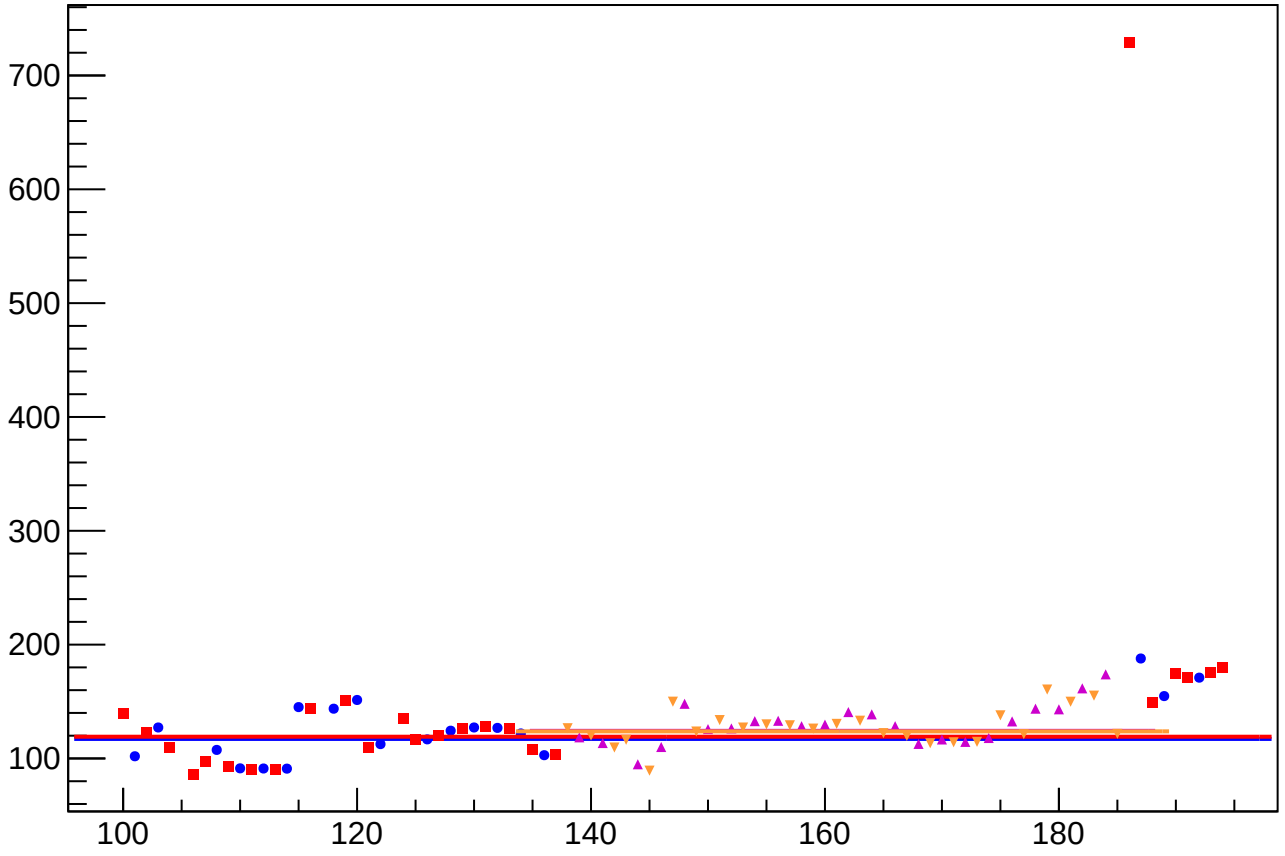
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 206.946+/-23.169 χ^2/NDF: 63.6/43

All: -5.507+/-16.335 χ^2/NDF: 275.1/91

- sign -215.516+/-23.035 χ^2/NDF: 44.4/47

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: 119.099+/-0.026 χ^2/NDF: 1603723.6/24

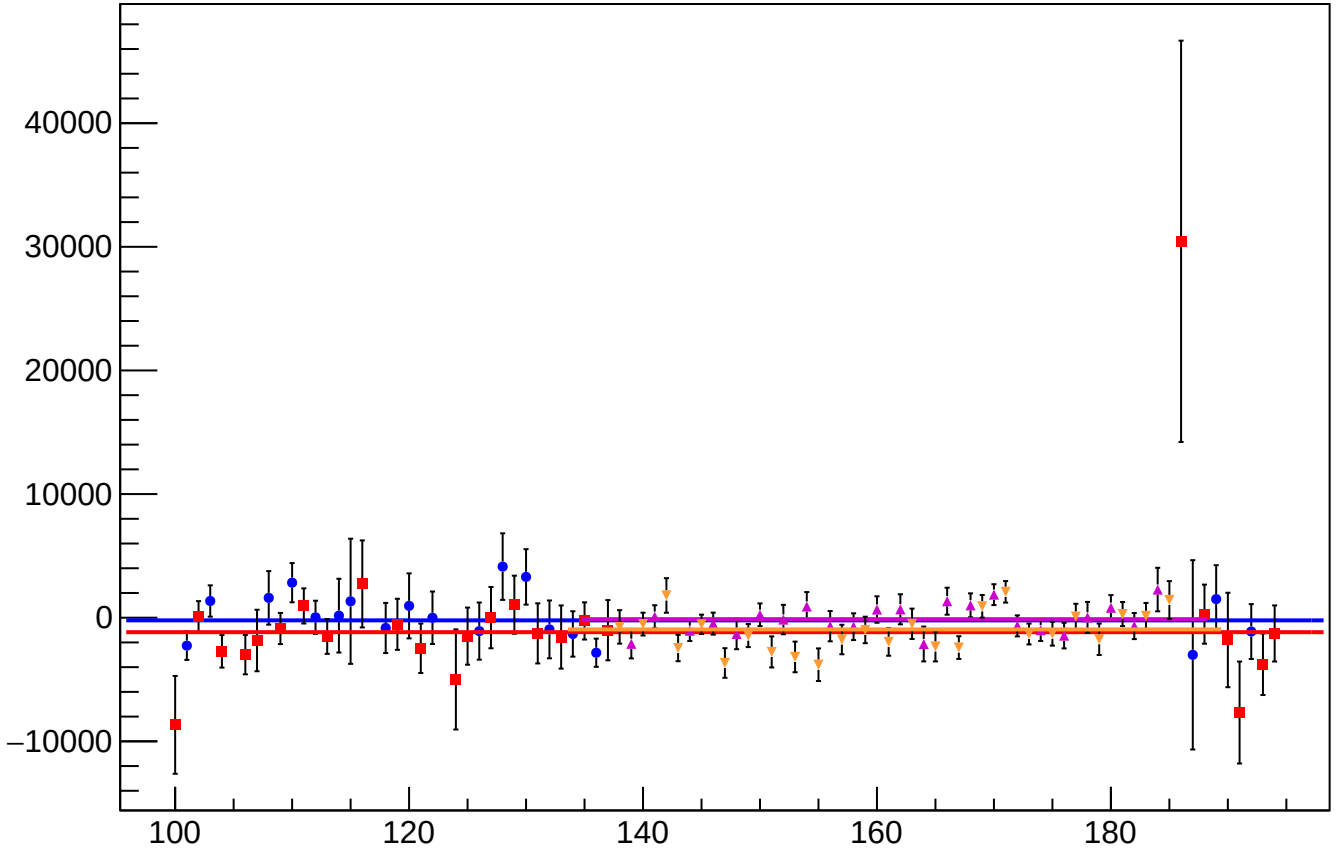
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 121.581+/-0.016 χ^2/NDF: 1279556.1/43

All: 121.935+/-0.012 χ^2/NDF: 3465129.5/91

- sign 122.285+/-0.016 χ^2/NDF: 2184643.9/47

asym_sam_48_dd_eigen_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: -1171.572+/-400.642 χ^2/NDF: 21.7/24

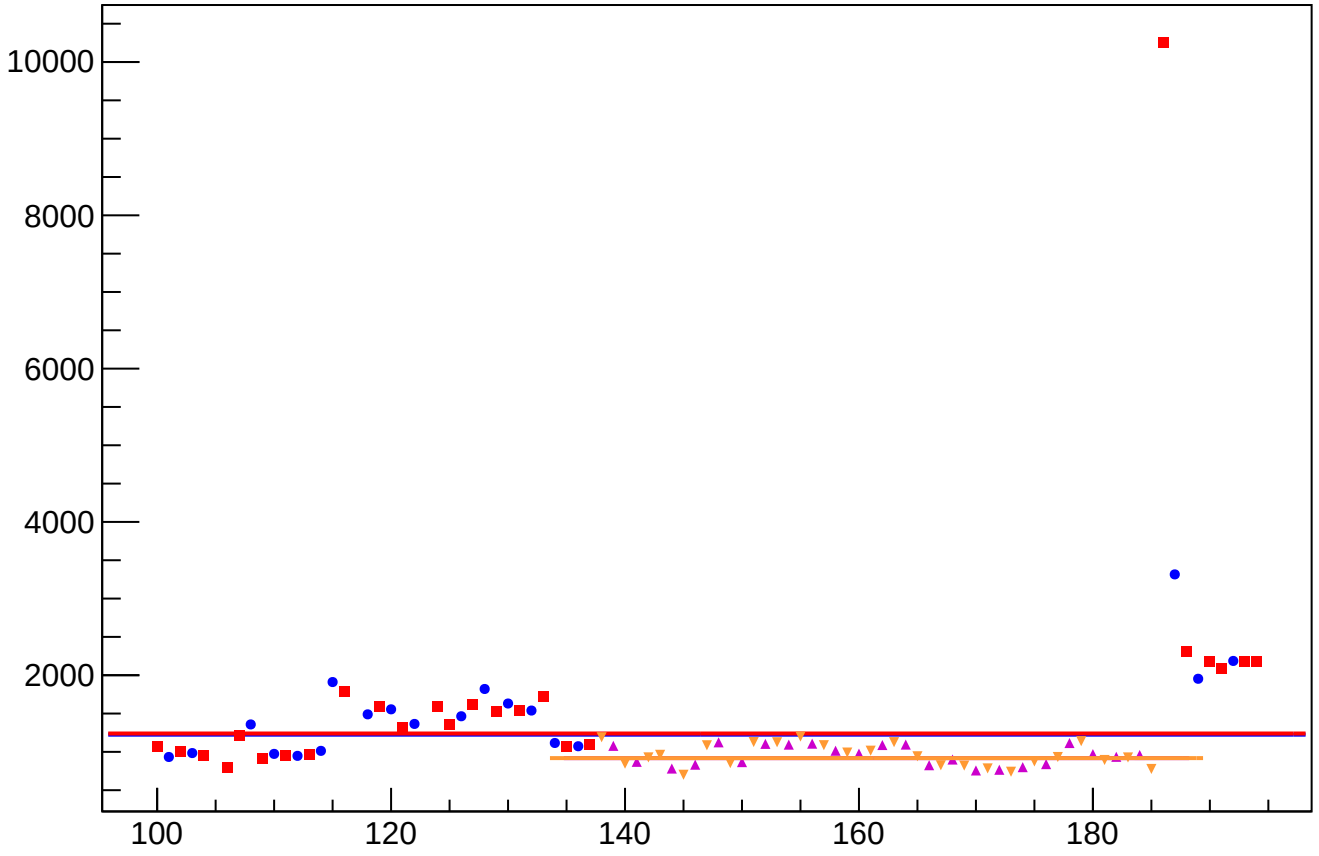
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -804.248+/-189.935 χ^2/NDF: 73.8/43

All: -582.077+/-134.652 χ^2/NDF: 127.9/91

- sign -357.592+/-190.922 χ^2/NDF: 51.4/47

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: 1239.529+/-0.283 χ^2/NDF: 2817673.6/24

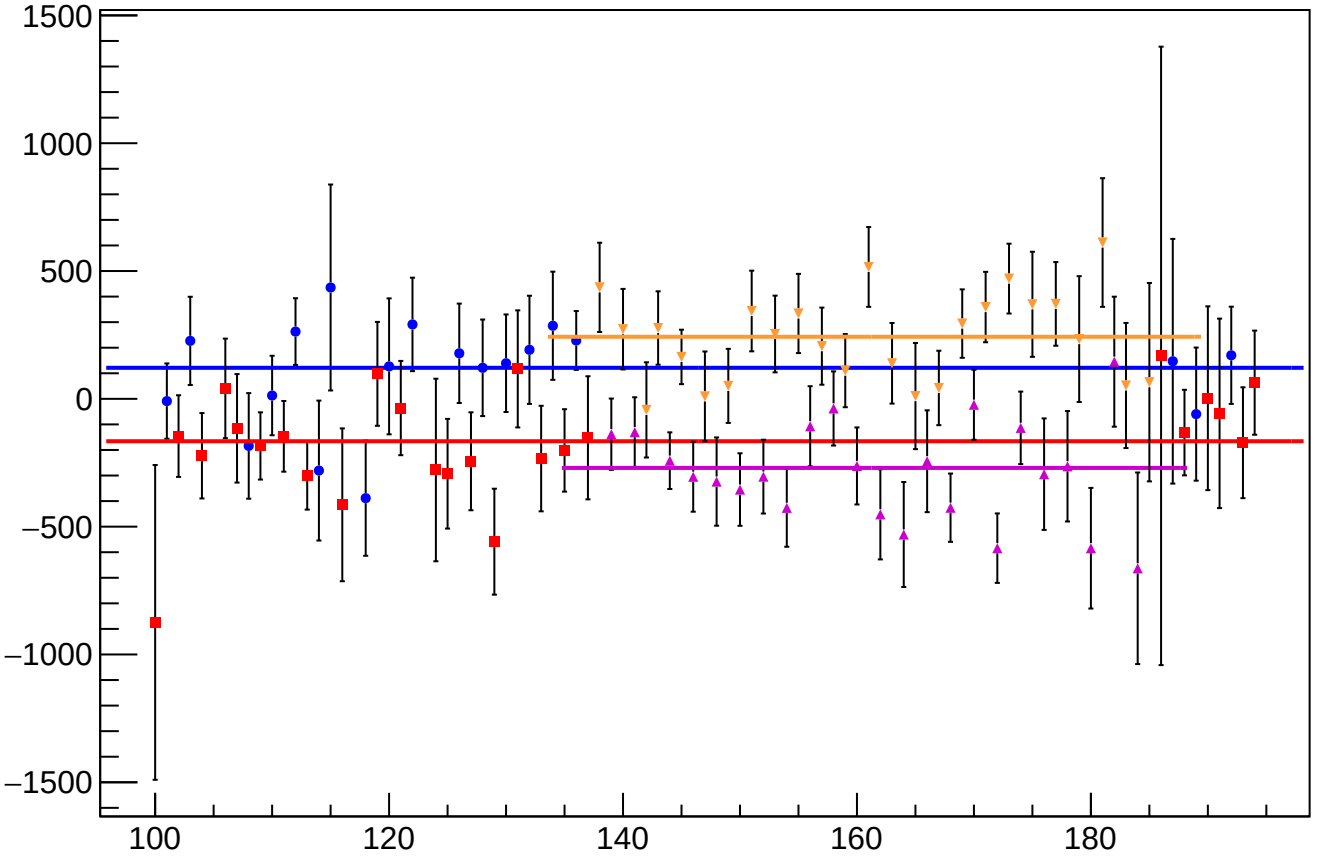
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 978.346+/-0.134 χ^2/NDF: 3096016.8/43

All: 984.731+/-0.095 χ^2/NDF: 7578774.8/91

- sign 991.182+/-0.135 χ^2/NDF: 4478215.0/47

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: -165.788+/-39.778 χ^2/NDF: 14.1/24

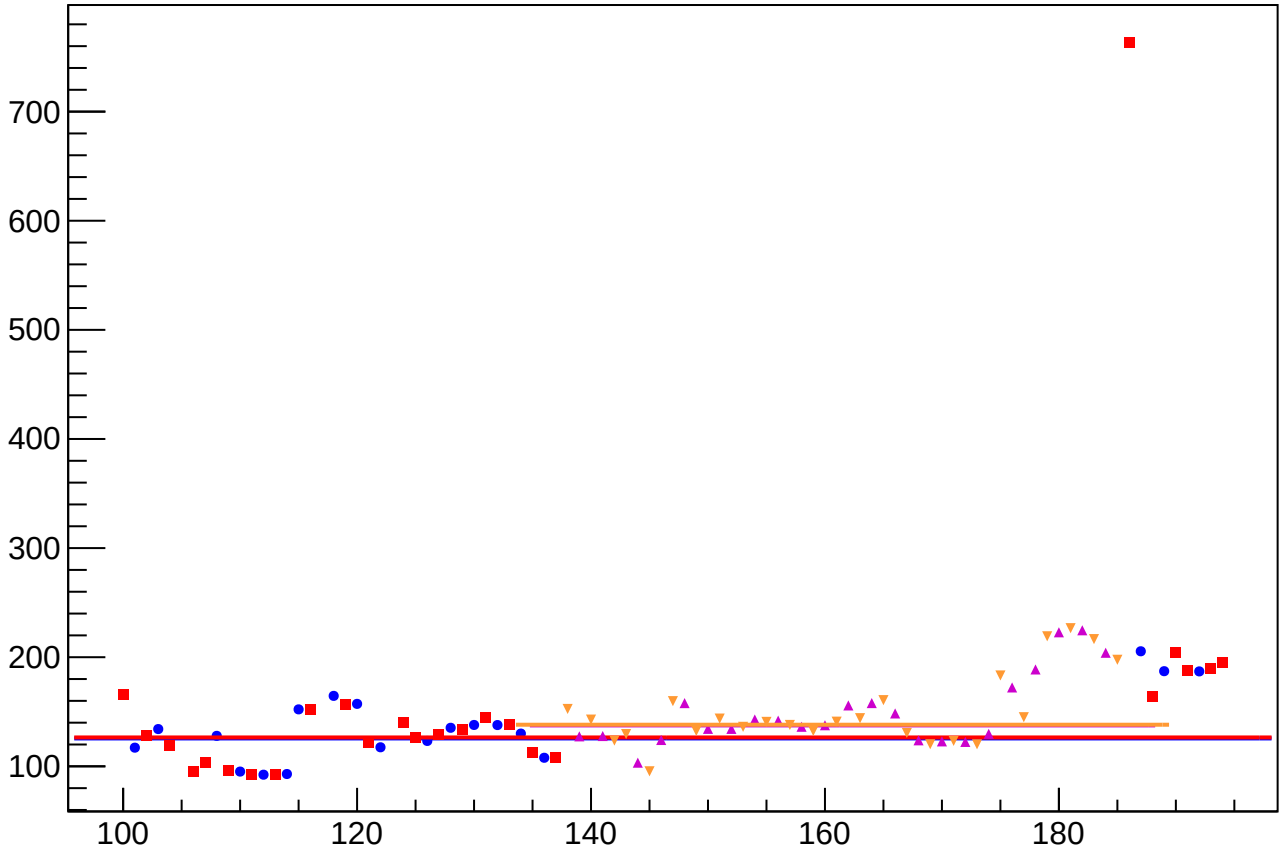
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 199.636+/-25.789 χ^2/NDF: 44.7/43

All: -17.772+/-18.078 χ^2/NDF: 229.4/91

- sign -227.823+/-25.349 χ^2/NDF: 44.9/47

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: 126.465+/-0.028 χ^2/NDF: 1749902.1/24

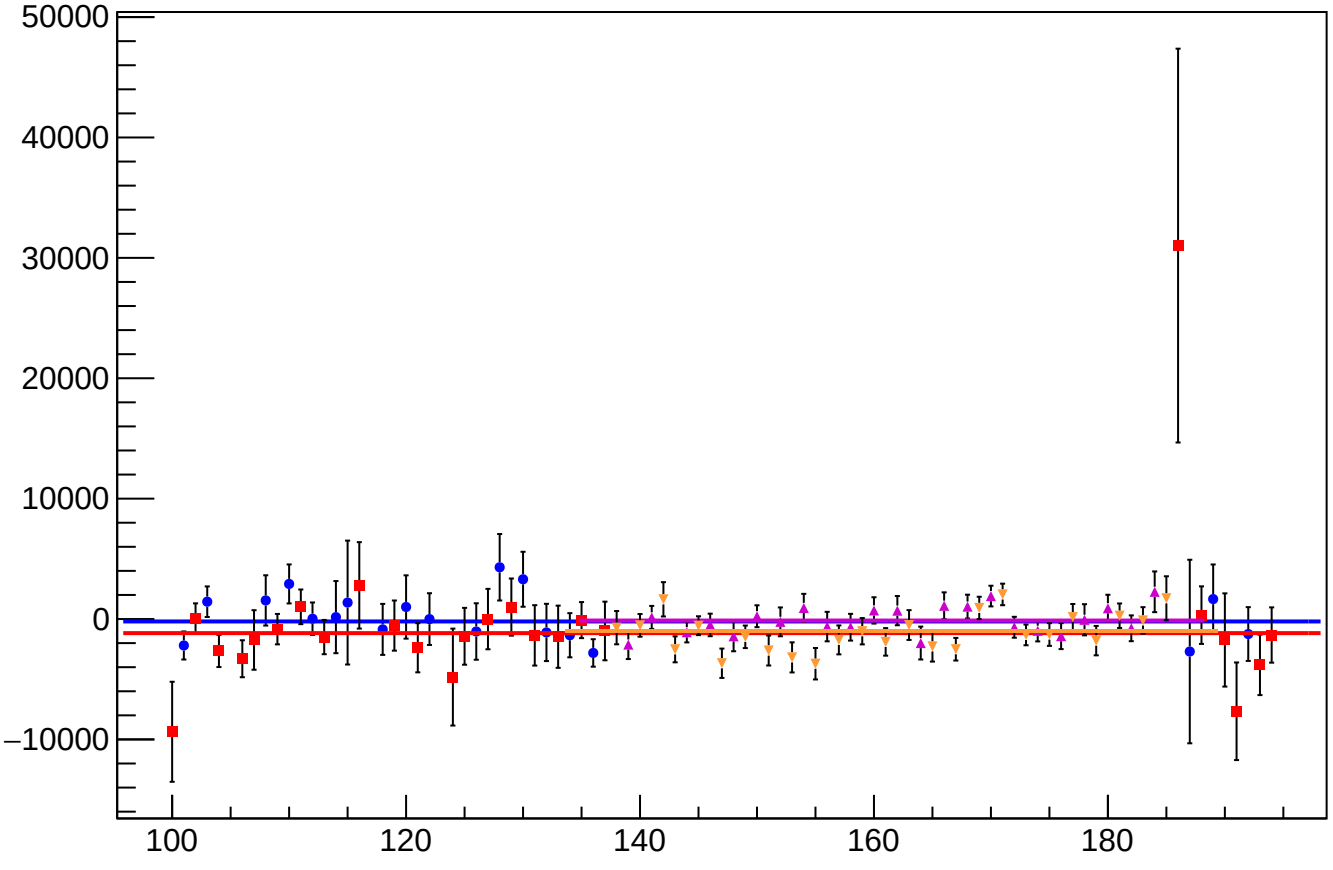
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 133.648+/-0.018 χ^2/NDF: 2240298.8/43

All: 133.325+/-0.013 χ^2/NDF: 5191418.8/91

- sign 133.013+/-0.018 χ^2/NDF: 2950503.7/47

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: -1169.922+/-402.708 χ^2/NDF: 22.6/24

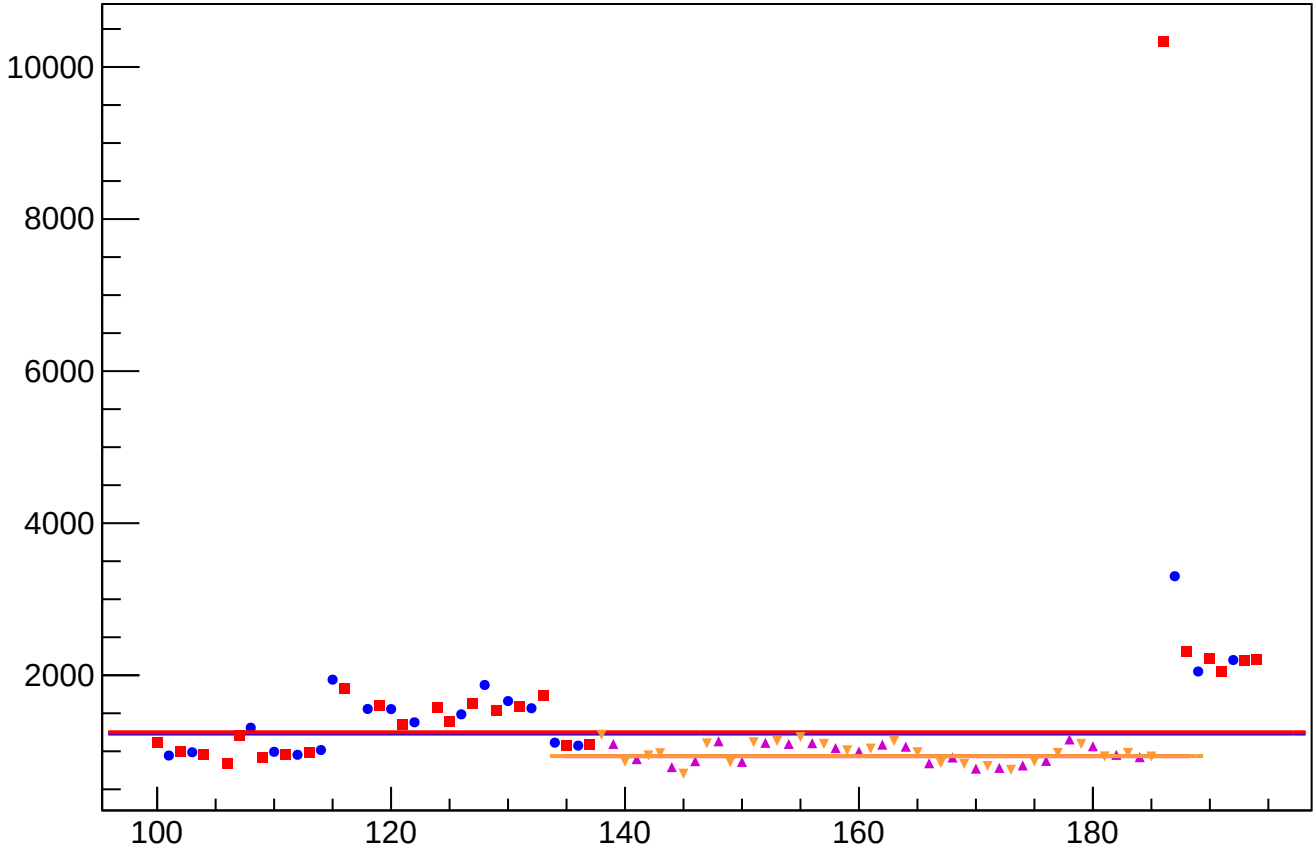
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -835.632+/-193.028 χ^2/NDF: 70.8/43

All: -602.661+/-136.830 χ^2/NDF: 125.3/91

- sign -367.362+/-193.990 χ^2/NDF: 51.6/47

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: 1250.037+/-0.285 χ^2/NDF: 2816773.9/24

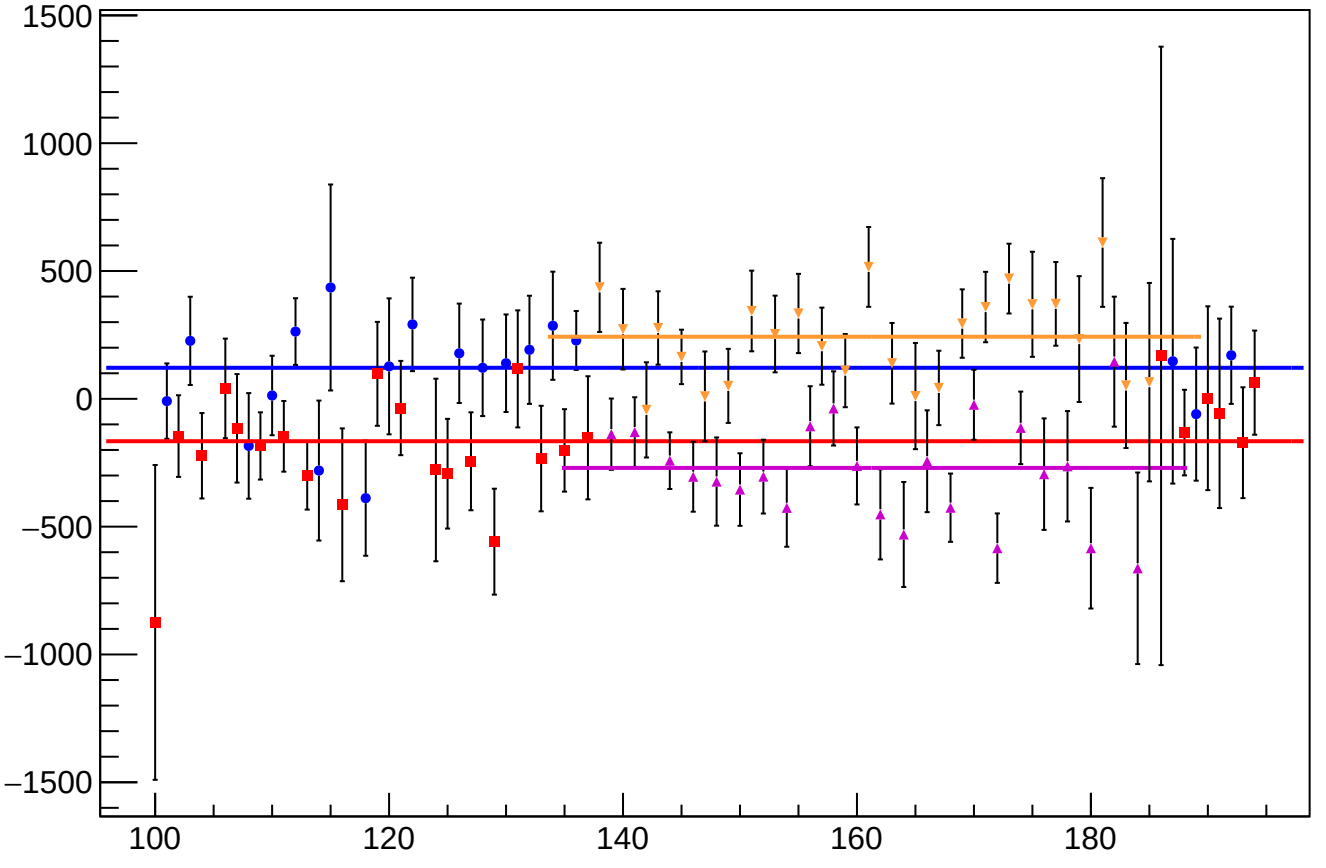
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 995.789+/-0.136 χ^2/NDF: 3022163.1/43

All: 1002.443+/-0.097 χ^2/NDF: 7418195.2/91

- sign 1009.164+/-0.137 χ^2/NDF: 4391254.8/47

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: -165.788+/-39.778 χ^2/NDF: 14.1/24

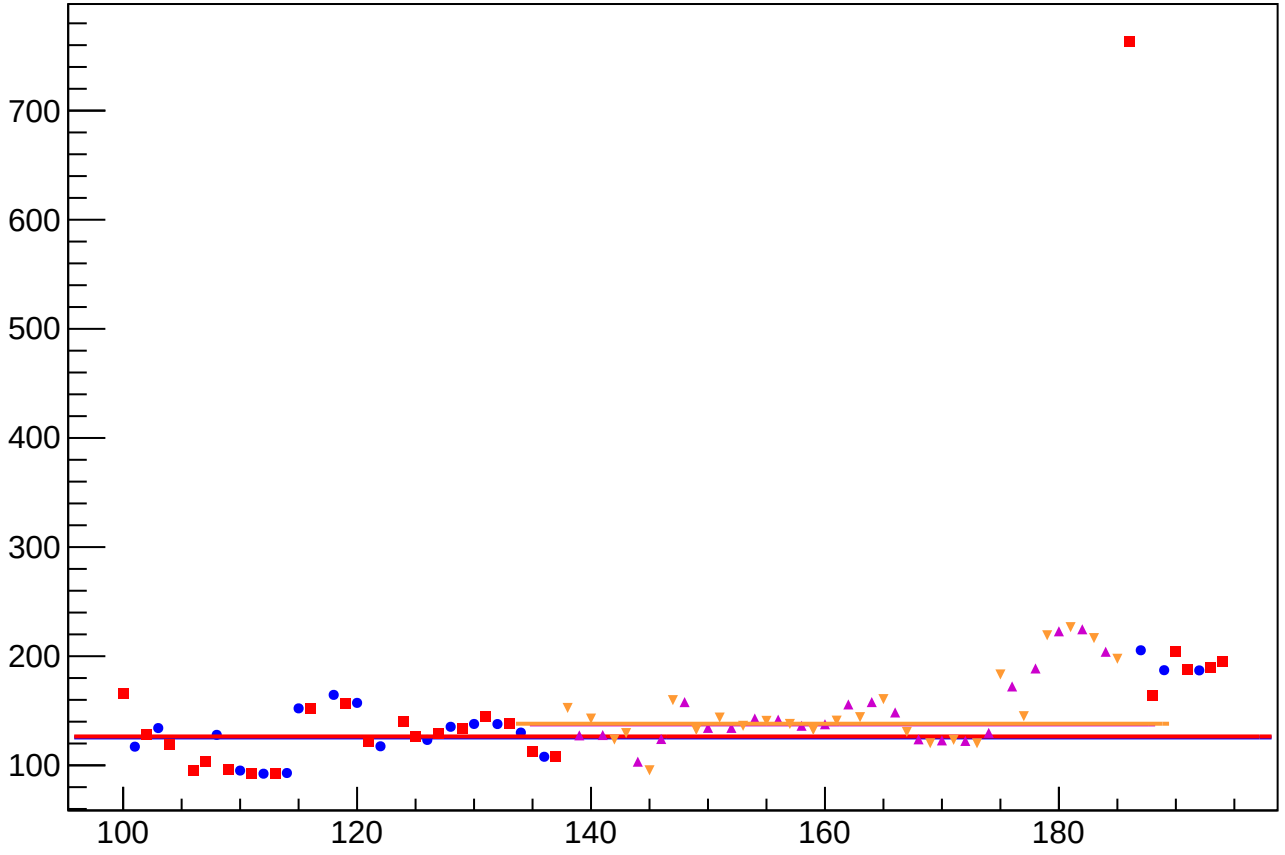
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 199.638+/-25.789 χ^2/NDF: 44.7/43

All: -17.772+/-18.078 χ^2/NDF: 229.4/91

- sign -227.824+/-25.349 χ^2/NDF: 44.9/47

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

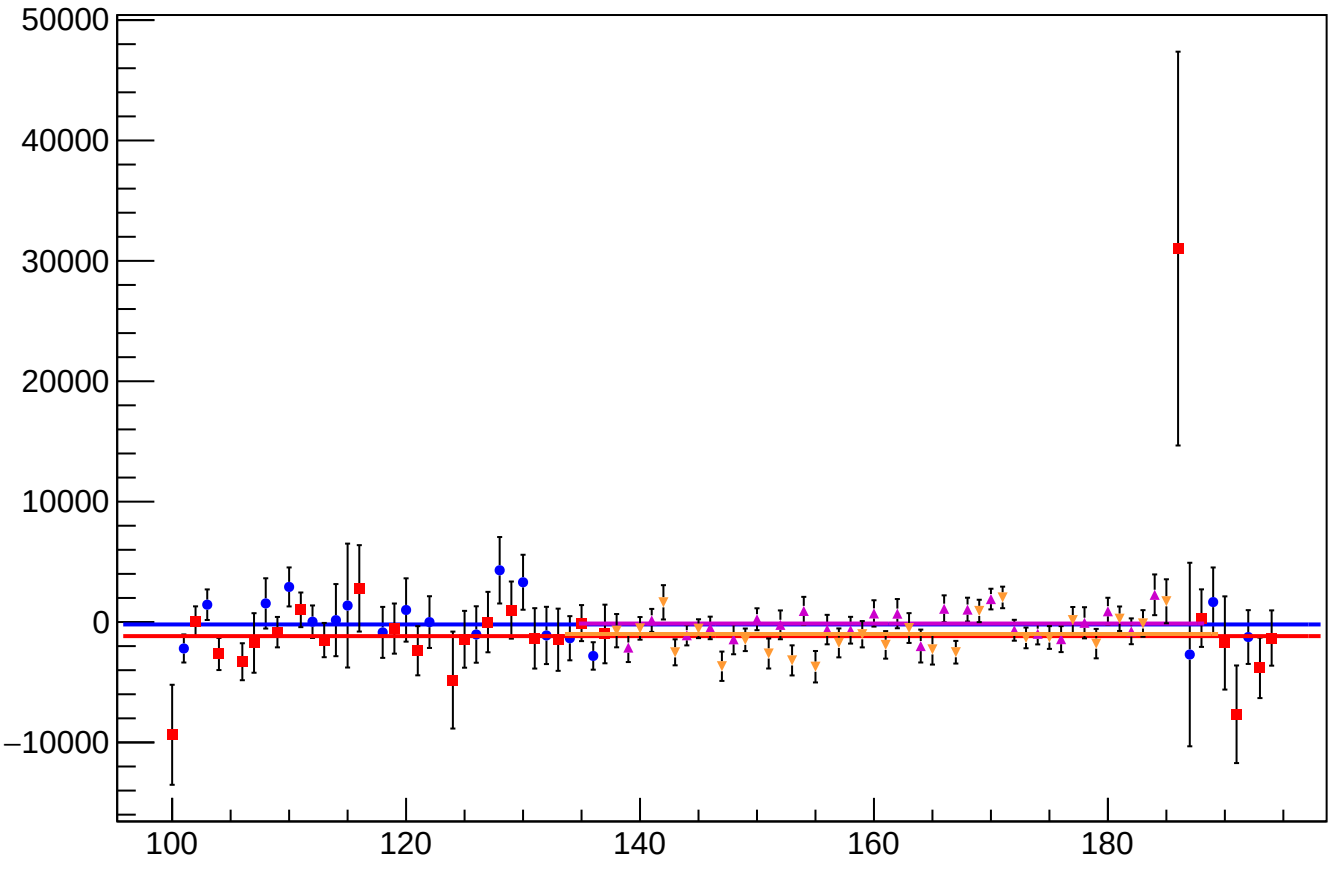
Right Out: 126.465+/-0.028 χ^2/NDF: 1749905.7/24

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 133.648+/-0.018 χ^2/NDF: 2240298.0/43

All: 133.325+/-0.013 χ^2/NDF: 5191408.3/91

- sign 133.013+/-0.018 χ^2/NDF: 2950494.0/47



Right In: -200.525+/-432.904 χ^2/NDF: 21.1/18

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1169.922+/-402.708 χ^2/NDF: 22.6/24

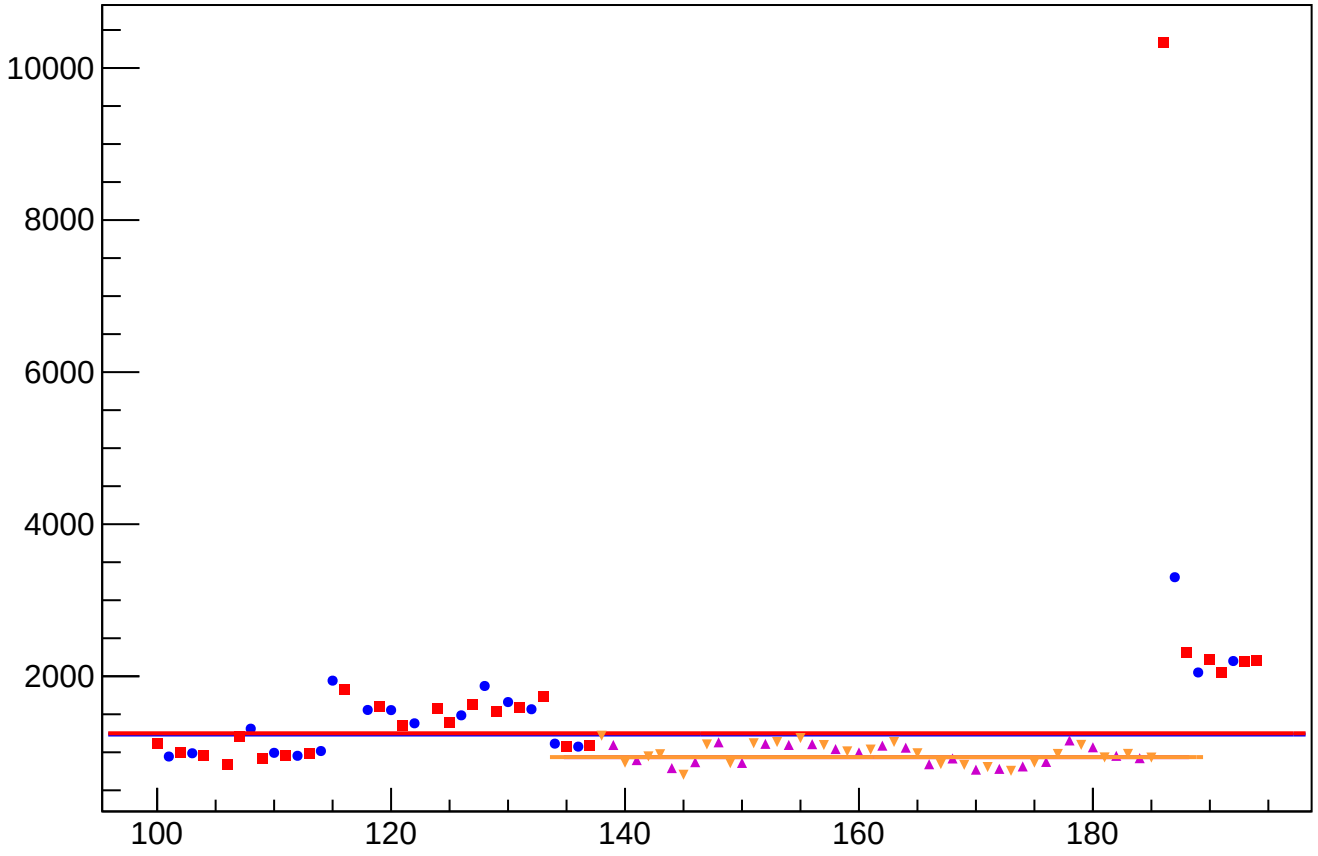
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -835.630+/-193.027 χ^2/NDF: 70.8/43

All: -602.660+/-136.830 χ^2/NDF: 125.3/91

- sign -367.361+/-193.990 χ^2/NDF: 51.6/47

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: 1250.036+/-0.285 χ^2/NDF: 2816769.3/24

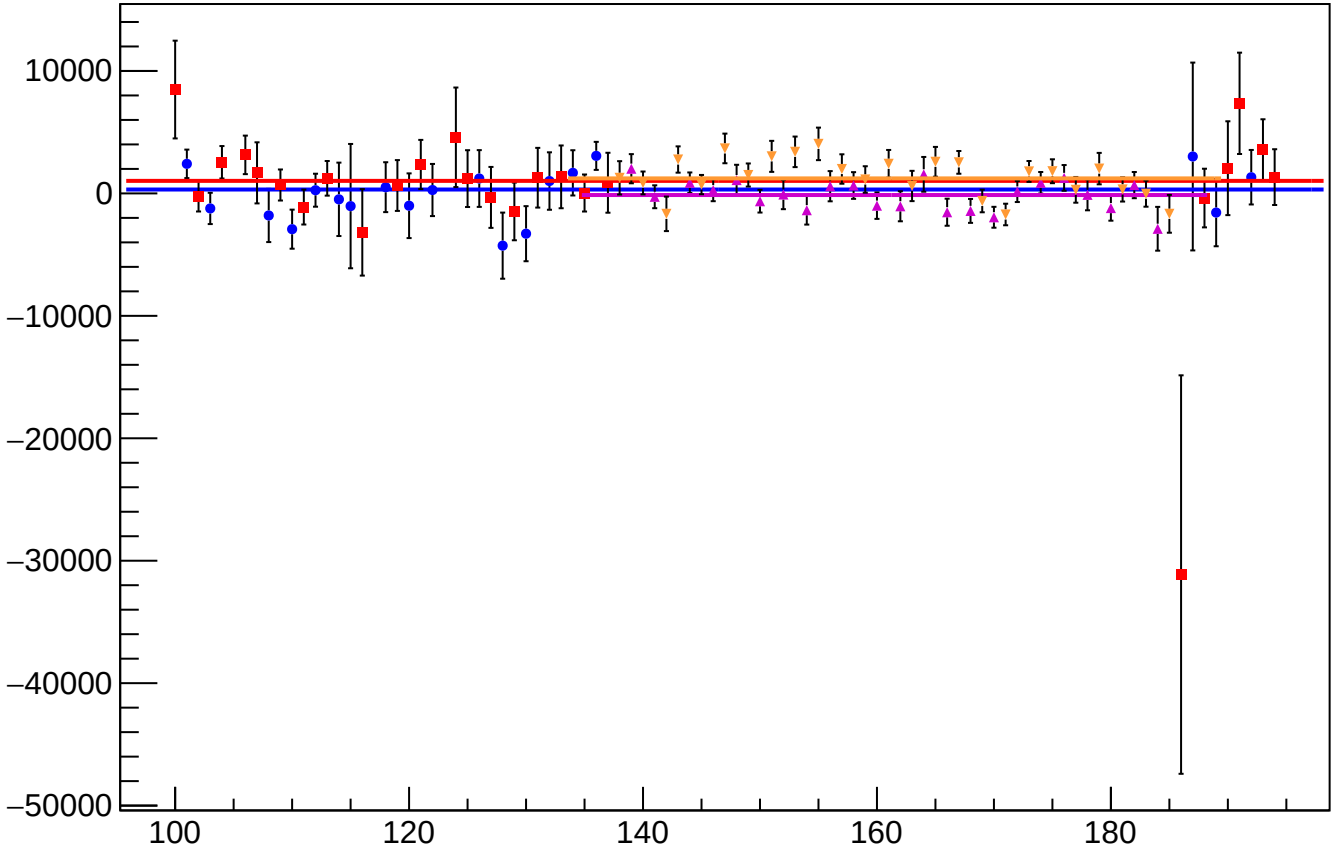
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 995.788+/-0.136 χ^2/NDF: 3022169.9/43

All: 1002.442+/-0.097 χ^2/NDF: 7418200.8/91

- sign 1009.163+/-0.137 χ^2/NDF: 4391253.4/47

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: 1023.550+/-402.152 χ^2/NDF: 22.3/24

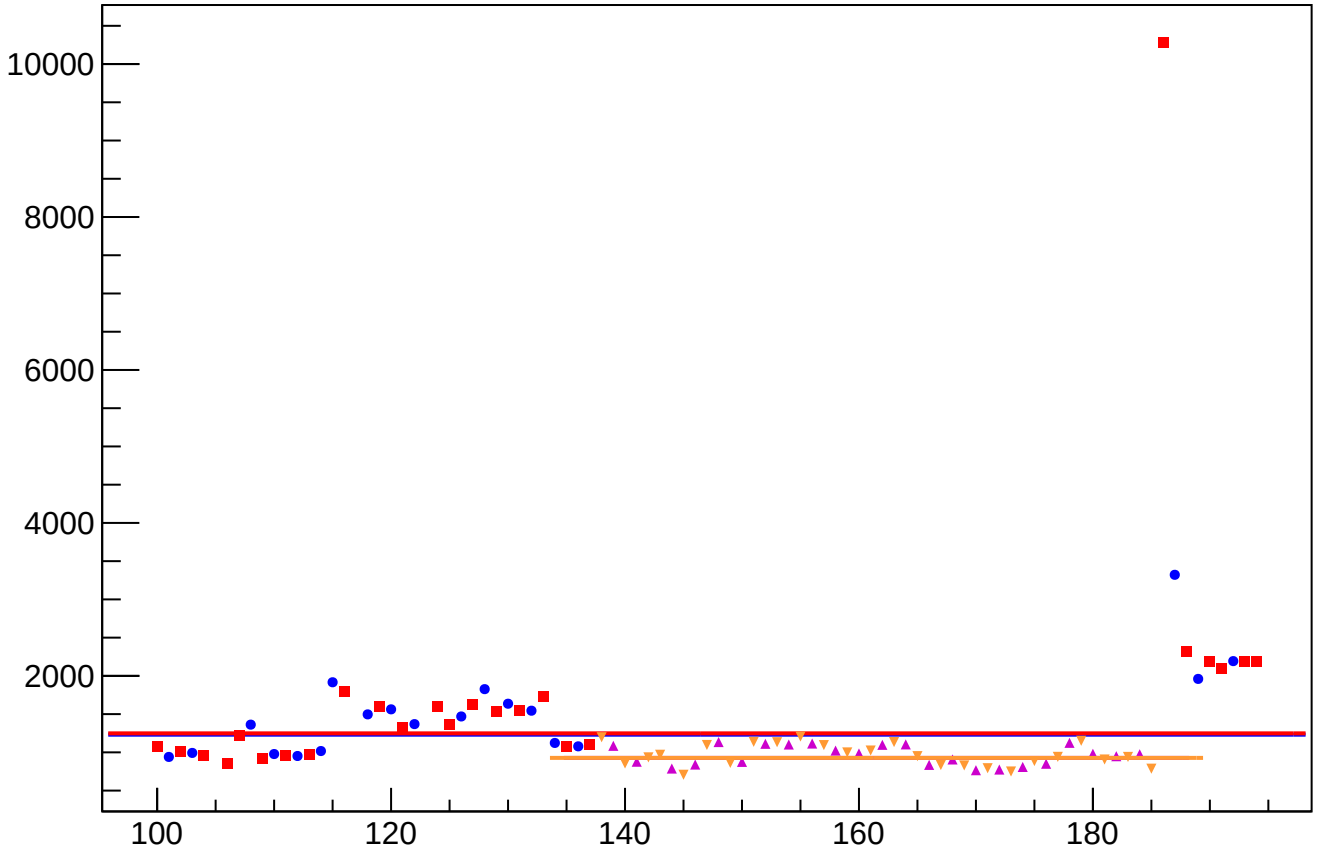
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

\+ sign 1046.476+/-191.606 χ^2/NDF: 75.0/43

All: 591.500+/-135.808 χ^2/NDF: 140.9/91

\- sign 132.180+/-192.519 χ^2/NDF: 54.5/47

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

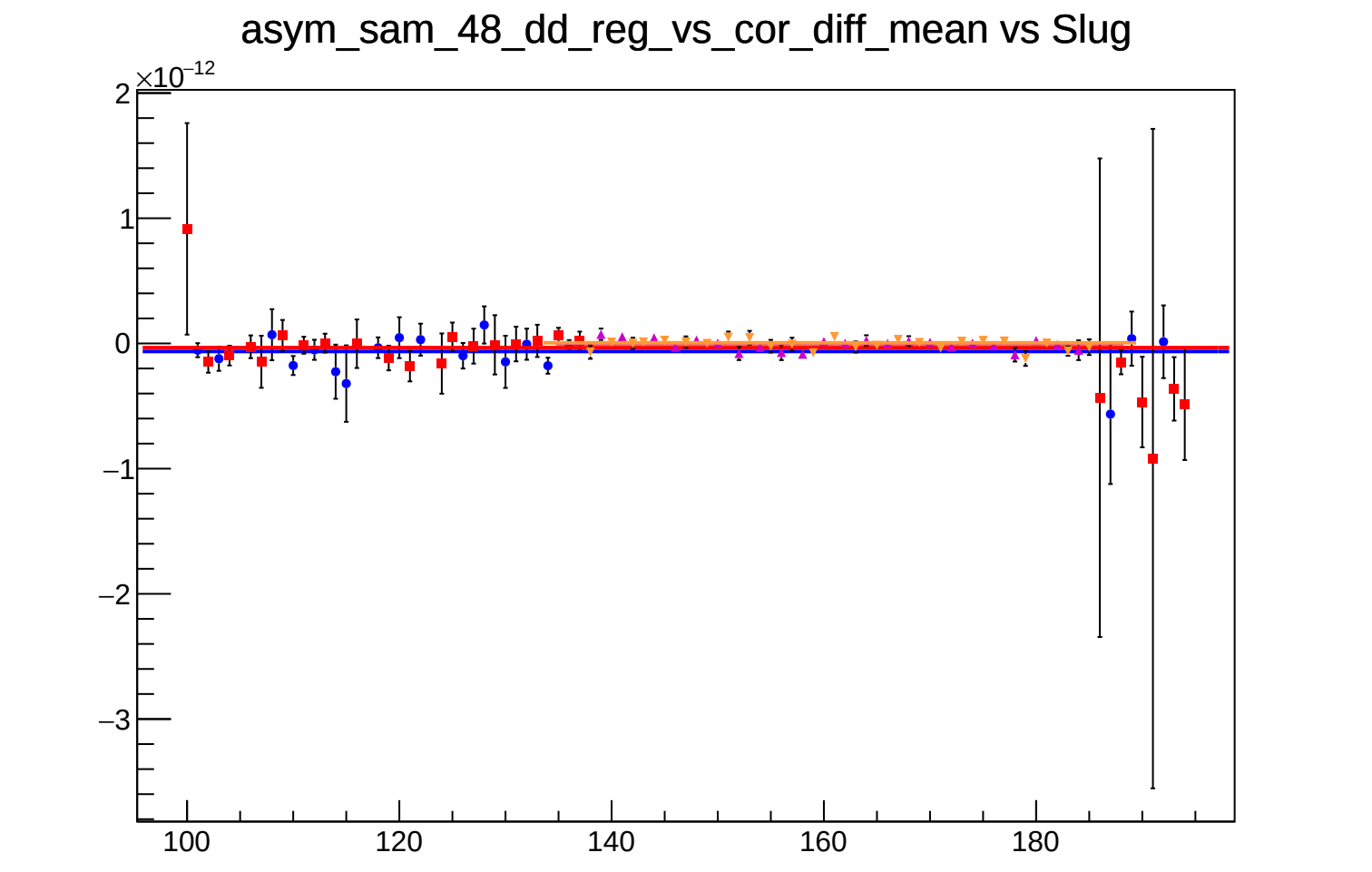
Right Out: 1248.358+/-0.284 χ^2/NDF: 2775915.5/24

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 987.423+/-0.135 χ^2/NDF: 3050685.0/43

All: 994.127+/-0.096 χ^2/NDF: 7470523.5/91

- sign 1000.894+/-0.136 χ^2/NDF: 4414919.3/47



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

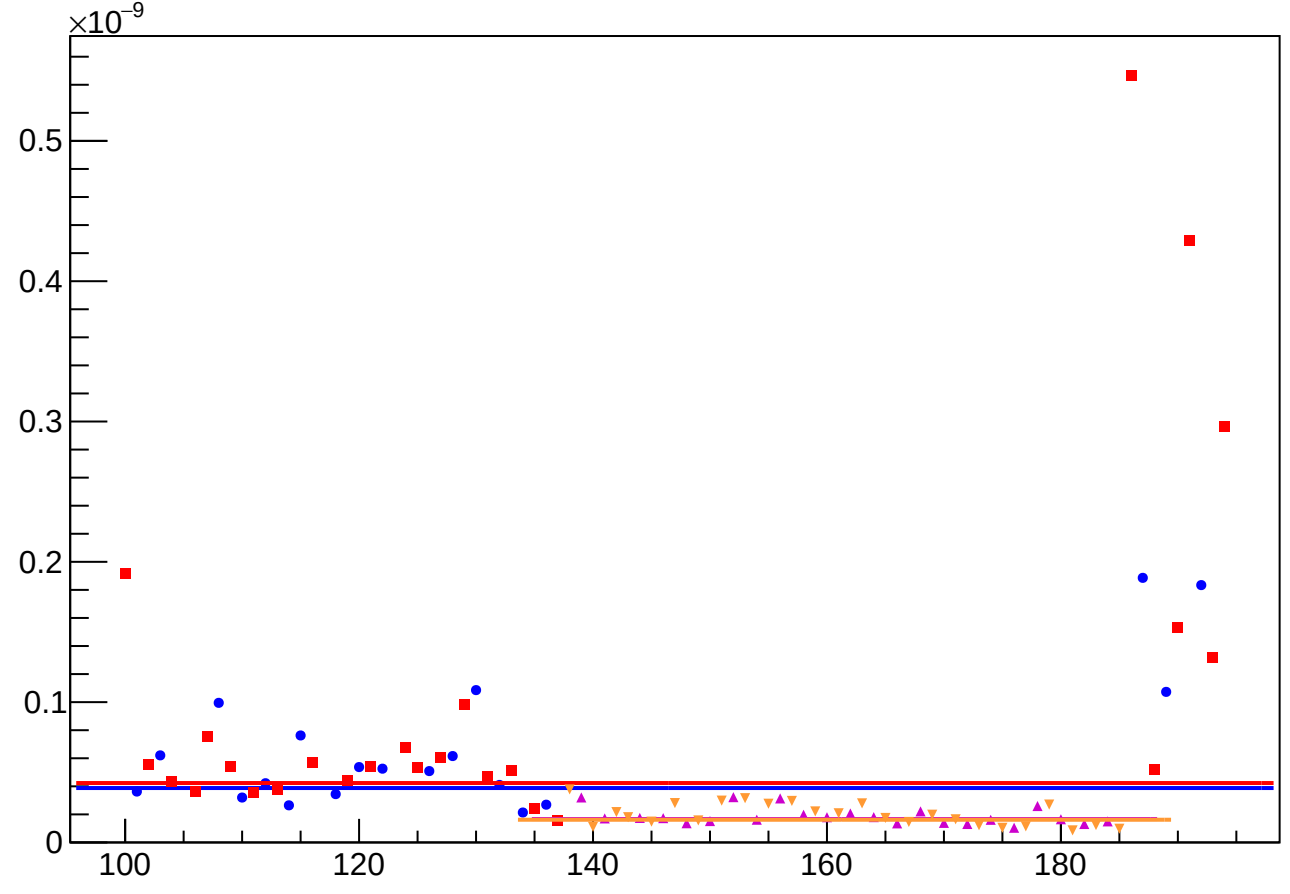
Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/24

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: 95.6/91

- sign -0.000+/-0.000 χ^2/NDF: 47.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 1849088.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2213814.1/24

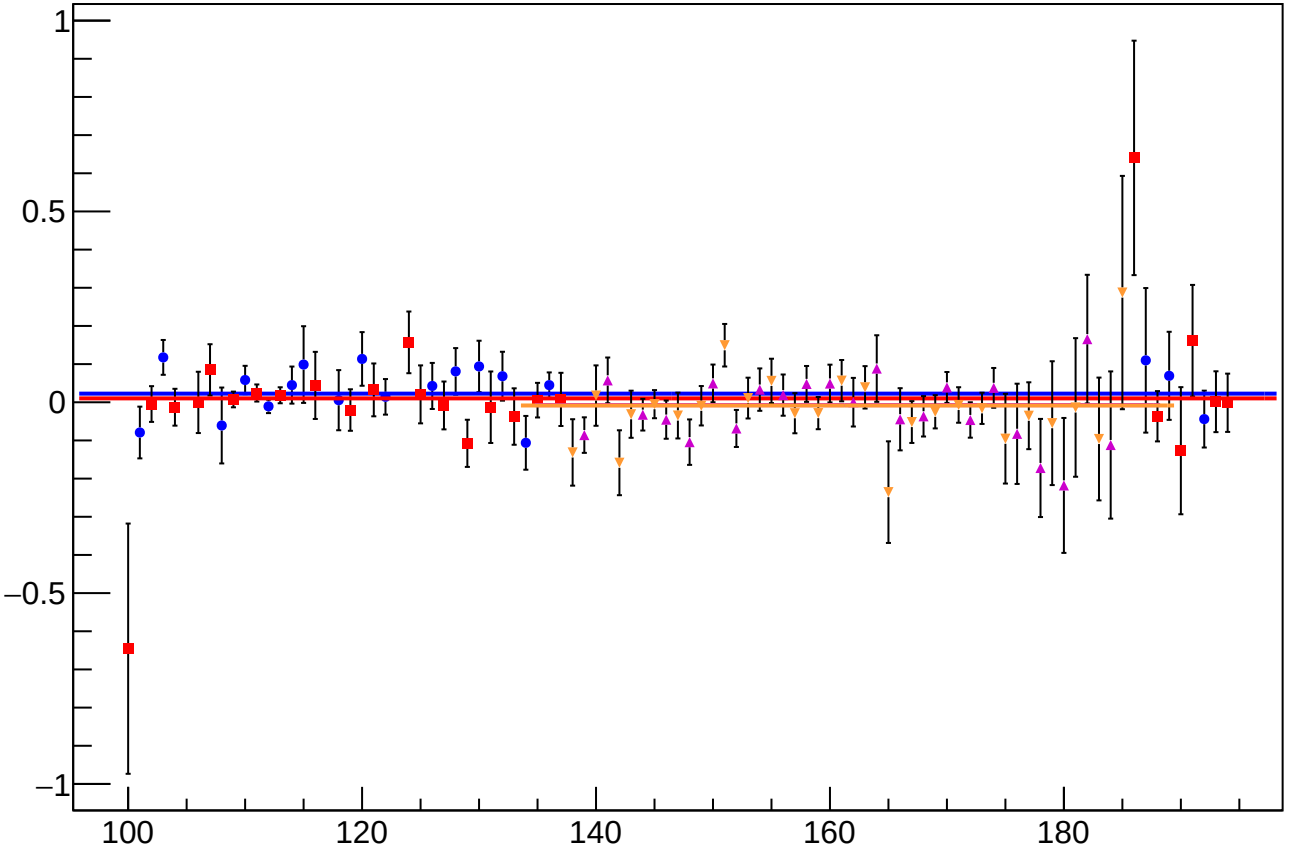
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5861175.1/43

All: 0.000+/-0.000 χ^2/NDF: 11441919.7/91

- sign 0.000+/-0.000 χ^2/NDF: 5563162.6/47

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: 20.7/24

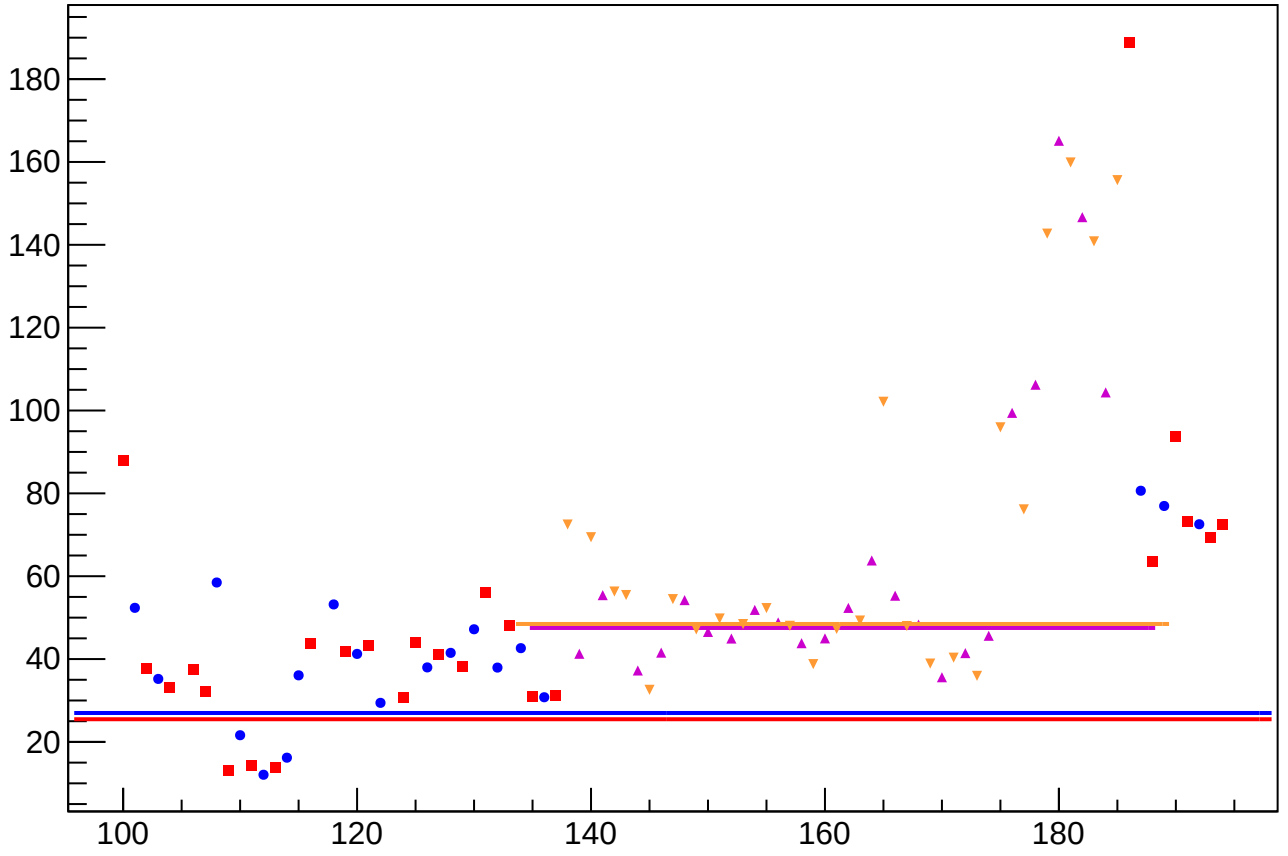
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.7/43

All: 0.006+/-0.005 χ^2/NDF: 94.3/91

- sign 0.003+/-0.007 χ^2/NDF: 45.3/47

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

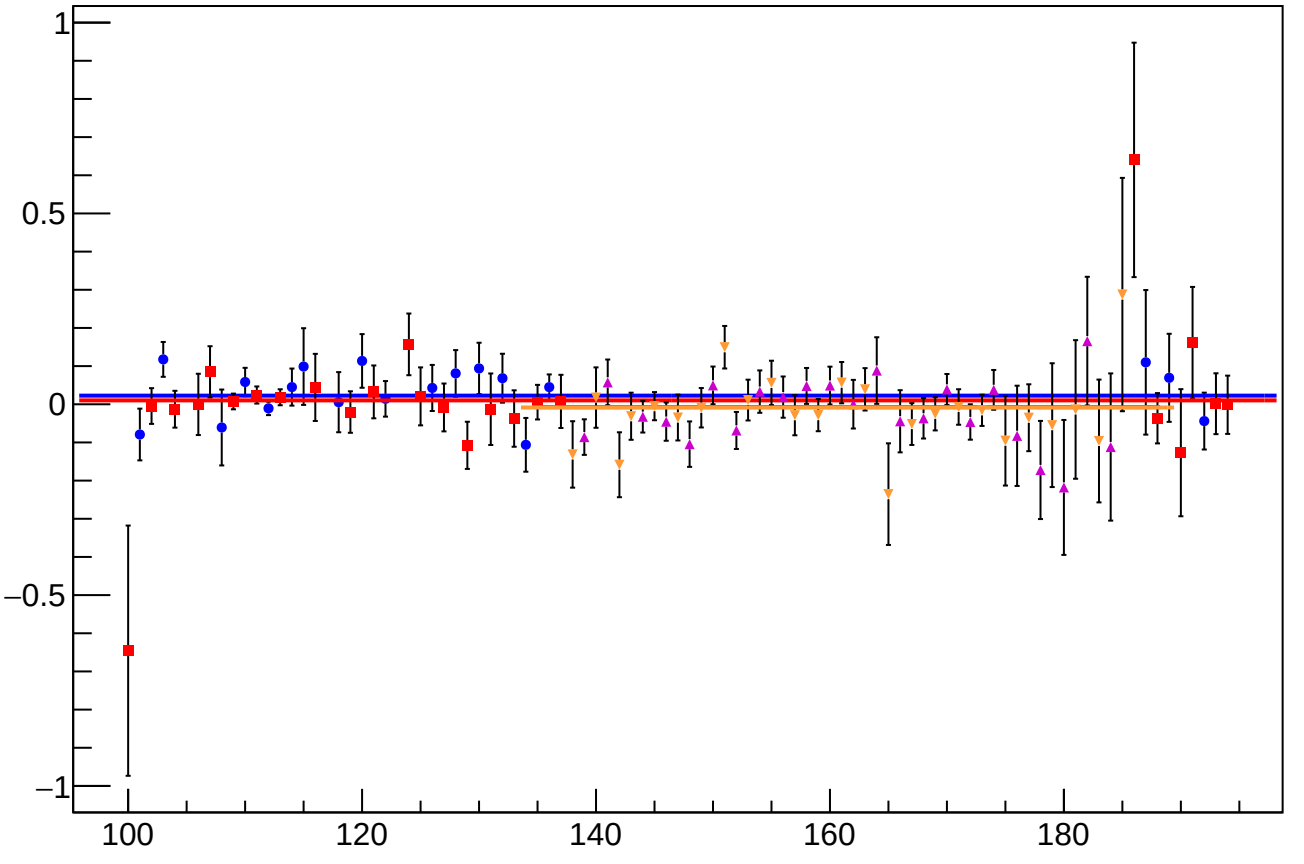
Right Out: 25.473+/-0.007 χ^2/NDF: 6467890.6/24

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 36.673+/-0.006 χ^2/NDF: 12144339.9/43

All: 35.202+/-0.004 χ^2/NDF: 25938871.3/91

- sign 33.943+/-0.005 χ^2/NDF: 13670996.7/47



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/18

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.010+/-0.010 χ^2/NDF: 20.7/24

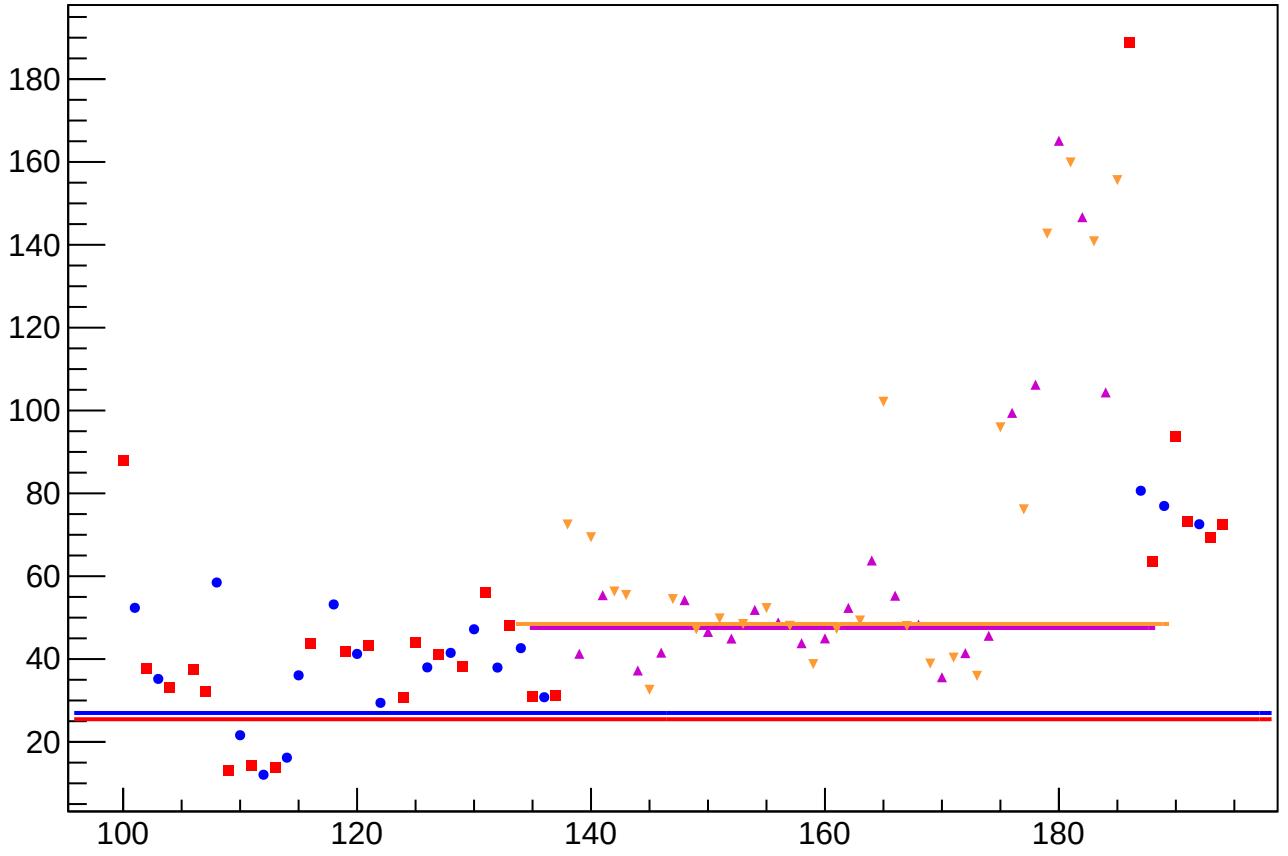
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.7/43

All: 0.006+/-0.005 χ^2/NDF: 94.3/91

- sign 0.003+/-0.007 χ^2/NDF: 45.3/47

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

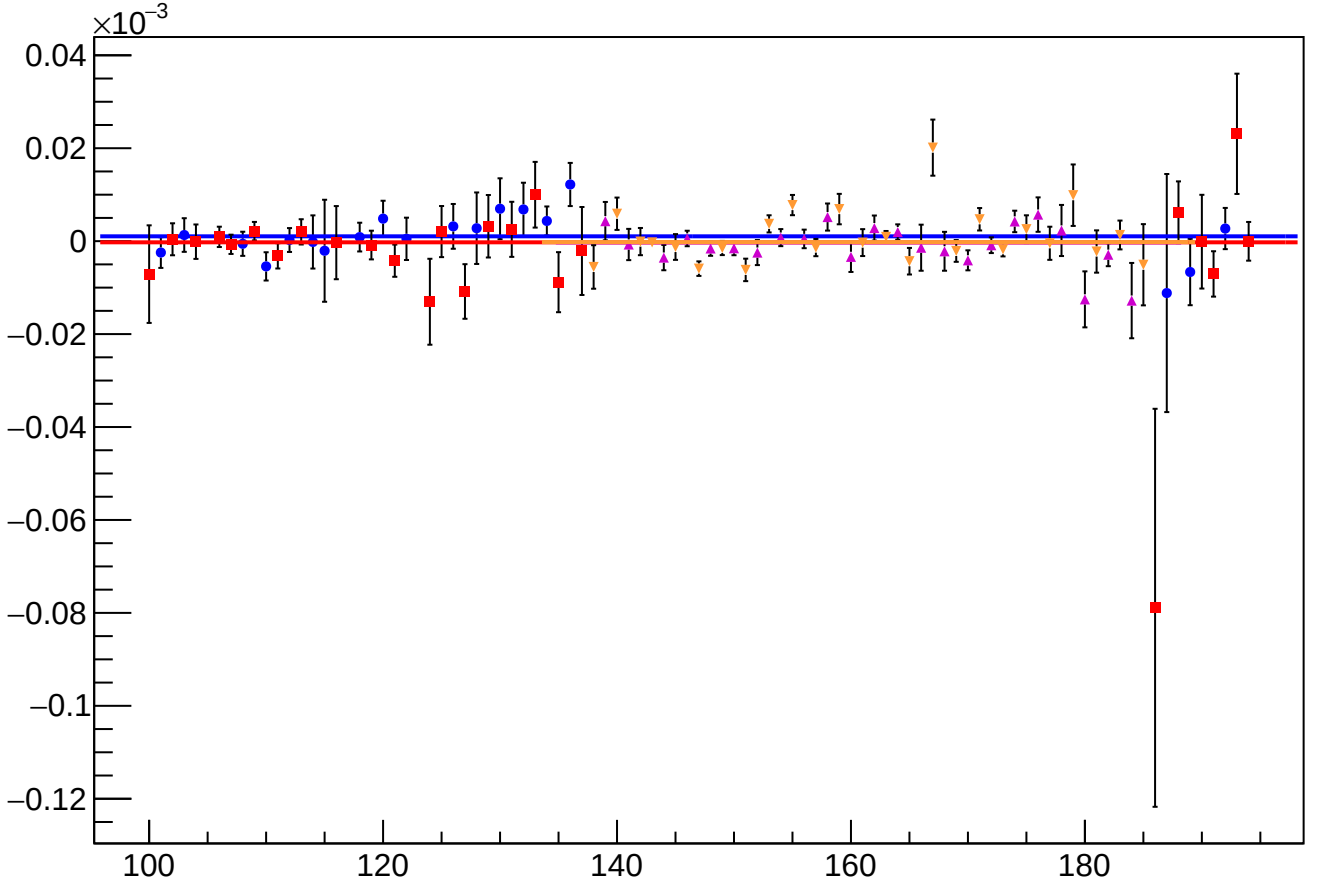
Right Out: 25.473+/-0.007 χ^2/NDF: 6467890.6/24

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 36.673+/-0.006 χ^2/NDF: 12144339.9/43

All: 35.202+/-0.004 χ^2/NDF: 25938871.3/91

- sign 33.943+/-0.005 χ^2/NDF: 13670996.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/24

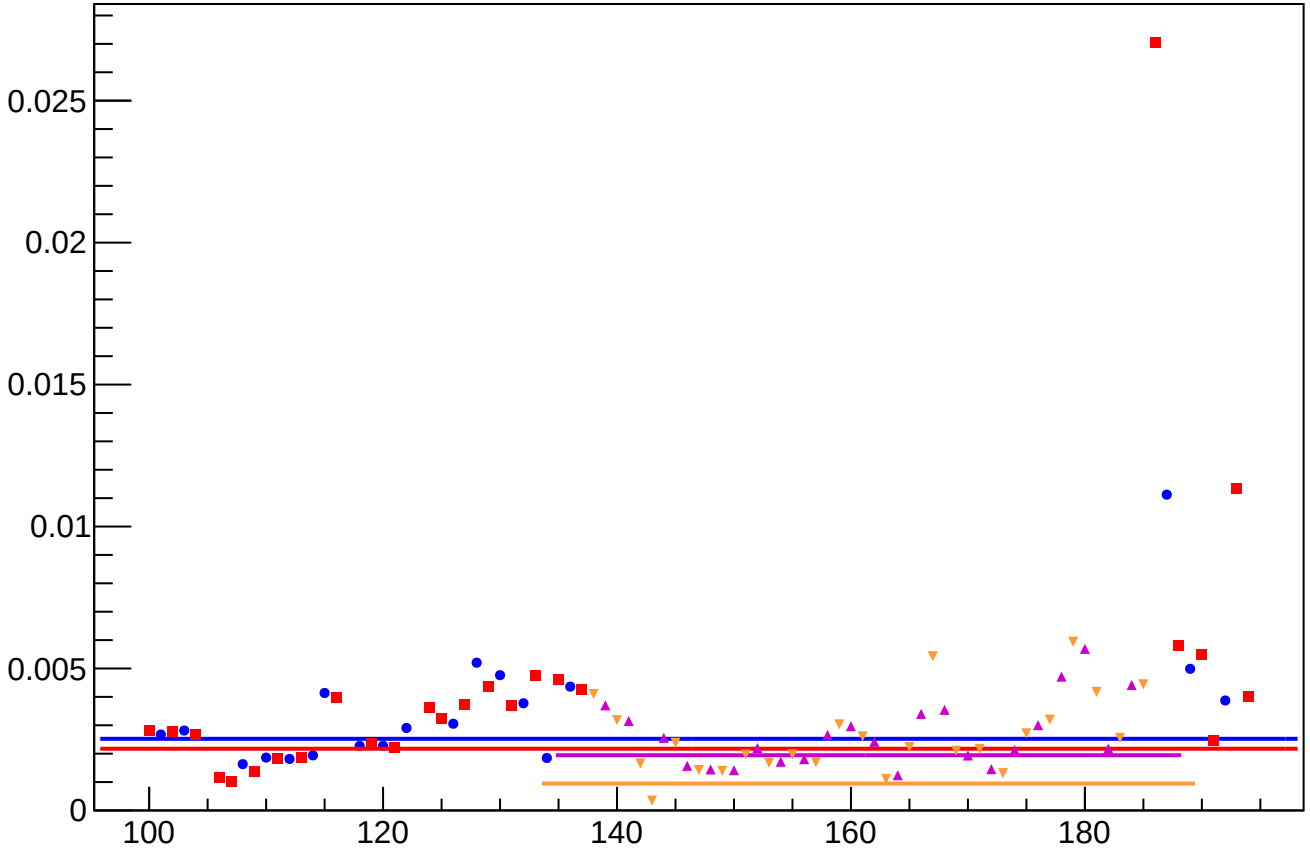
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 91.0/43

All: -0.000+/-0.000 χ^2/NDF: 146.7/91

- sign -0.000+/-0.000 χ^2/NDF: 55.6/47

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: 5770433.2/24

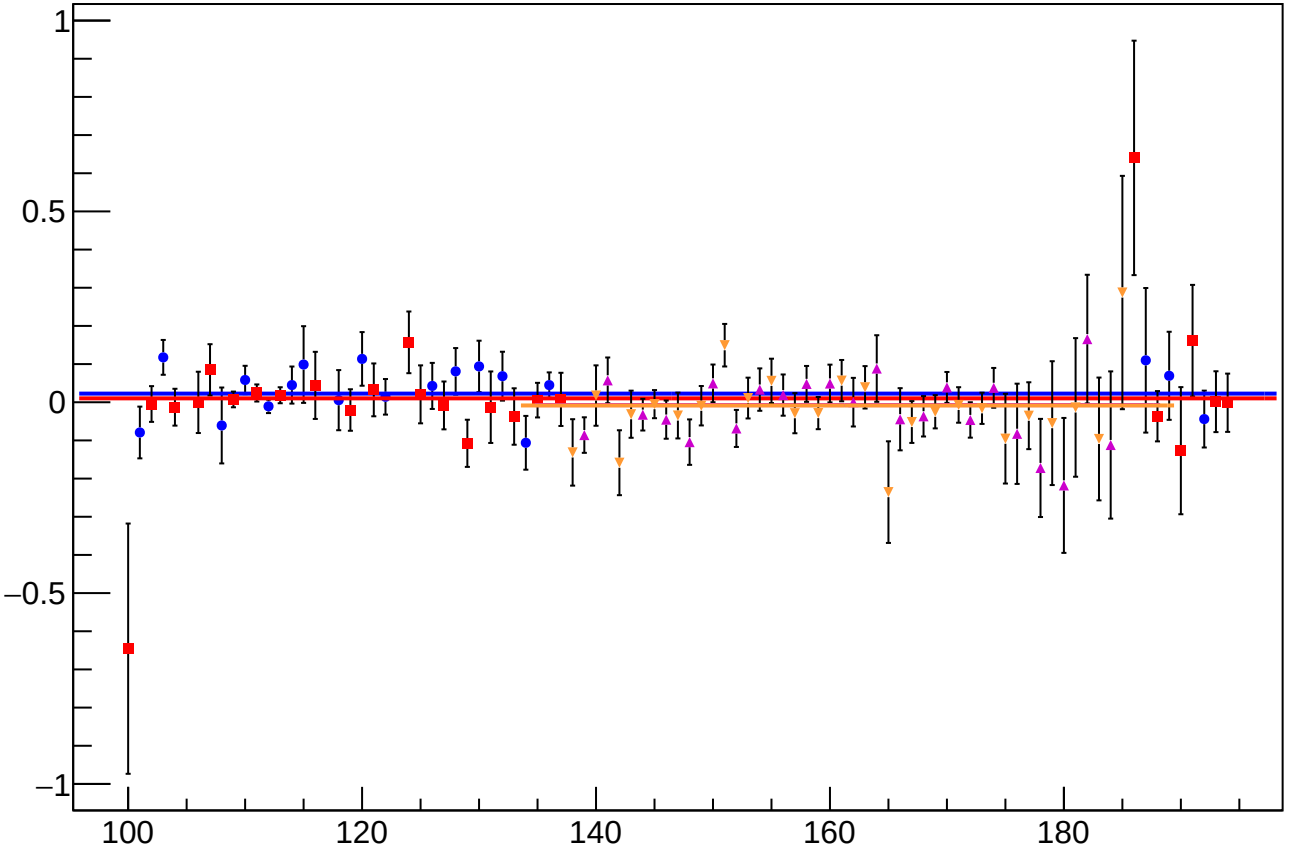
Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 25114284.6/43

All: 0.001+/-0.000 χ^2/NDF: 41861630.6/91

- sign 0.002+/-0.000 χ^2/NDF: 10255251.8/47

asym_sam_48_dd_eigen_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: 20.7/24

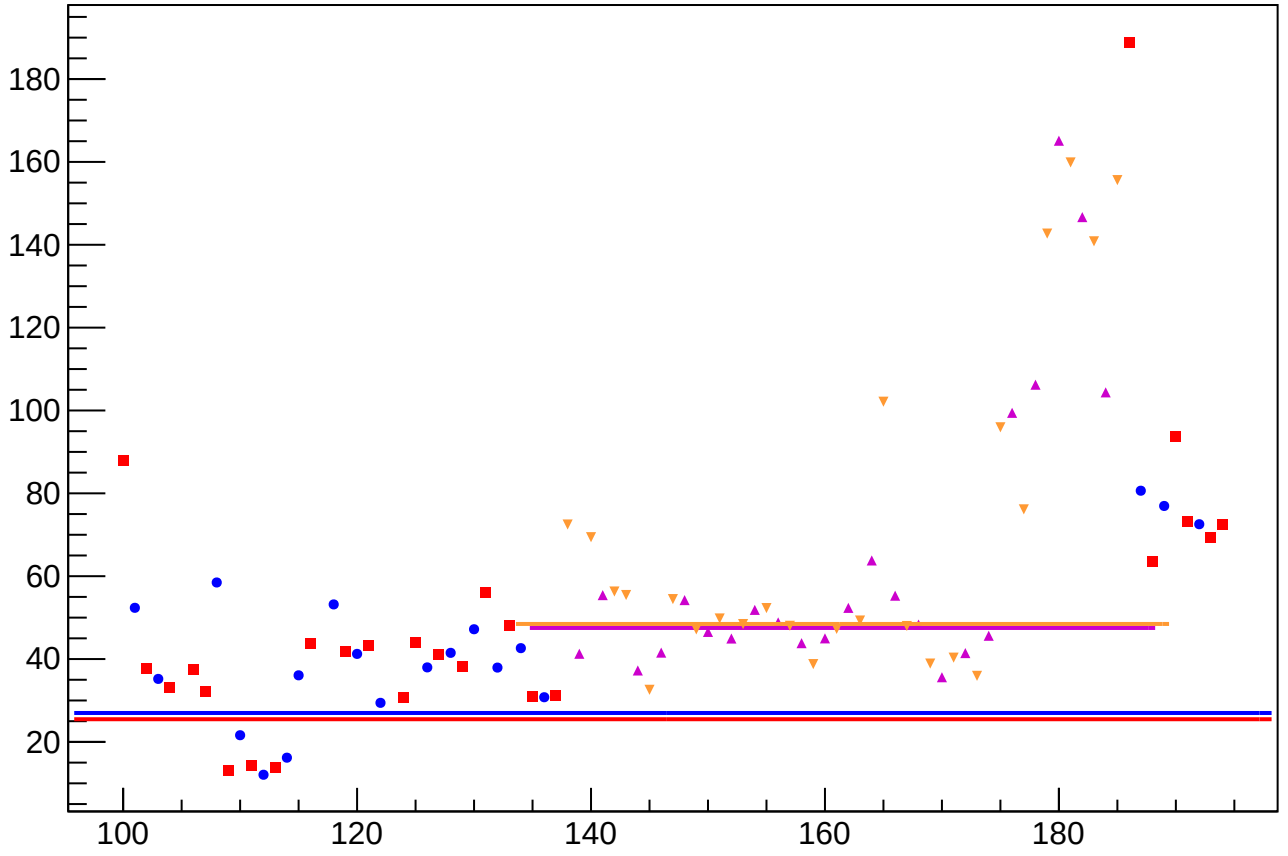
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.7/43

All: 0.006+/-0.005 χ^2/NDF: 94.3/91

- sign 0.003+/-0.007 χ^2/NDF: 45.3/47

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

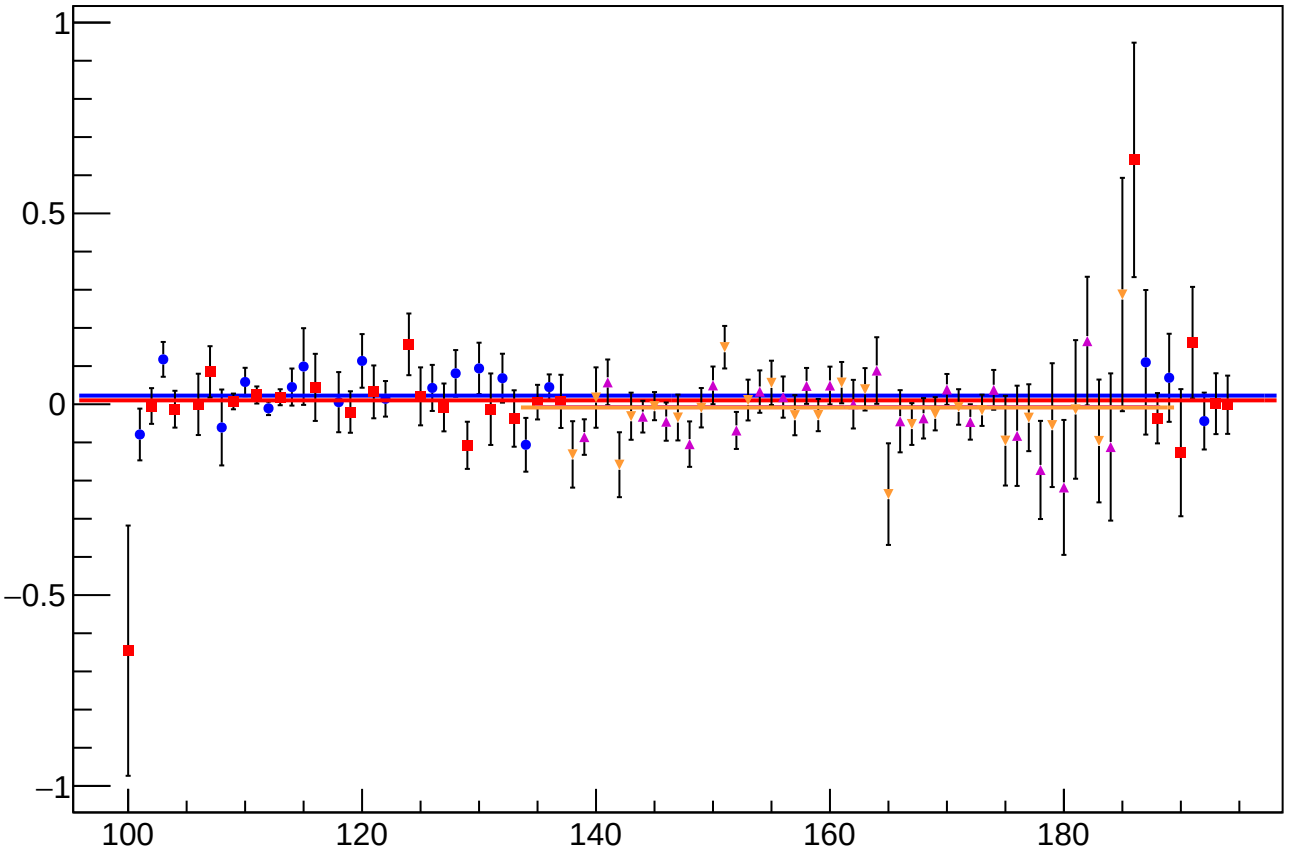
Right Out: 25.473+/-0.007 χ^2/NDF: 6468068.4/24

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 36.672+/-0.006 χ^2/NDF: 12145386.5/43

All: 35.201+/-0.004 χ^2/NDF: 25940207.4/91

- sign 33.943+/-0.005 χ^2/NDF: 13671353.2/47



Right In: 0.023+/-0.011 χ^2/NDF: 21.9/18

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

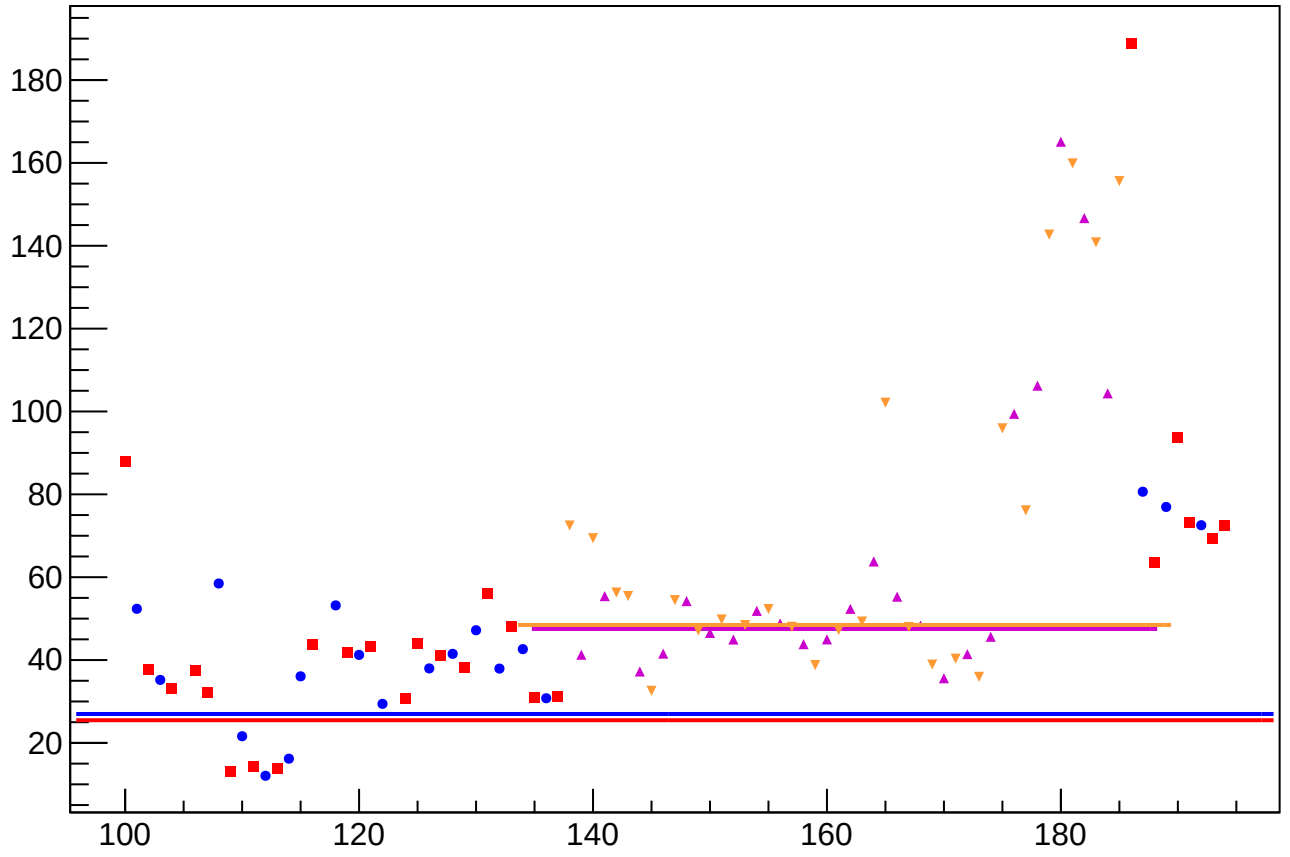
Right Out: 0.010+/-0.010 χ^2/NDF: 20.7/24

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.7/43

All: 0.006+/-0.005 χ^2/NDF: 94.3/91

- sign 0.003+/-0.007 χ^2/NDF: 45.3/47



Right In: 26.982+/-0.008 χ^2/NDF: 4254118.8/18

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

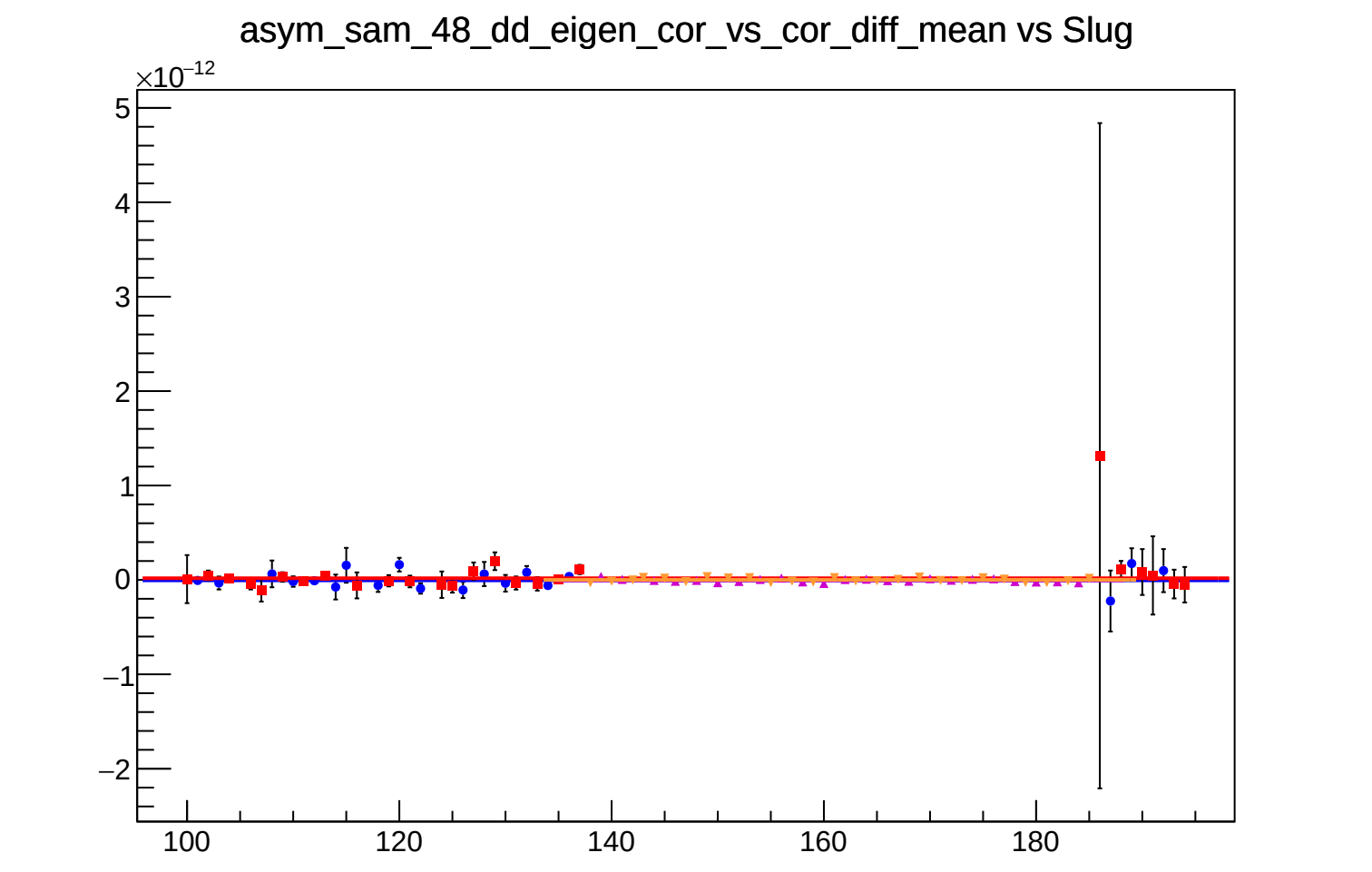
Right Out: 25.473+/-0.007 χ^2/NDF: 6468068.4/24

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 36.672+/-0.006 χ^2/NDF: 12145386.5/43

All: 35.201+/-0.004 χ^2/NDF: 25940207.4/91

- sign 33.943+/-0.005 χ^2/NDF: 13671353.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

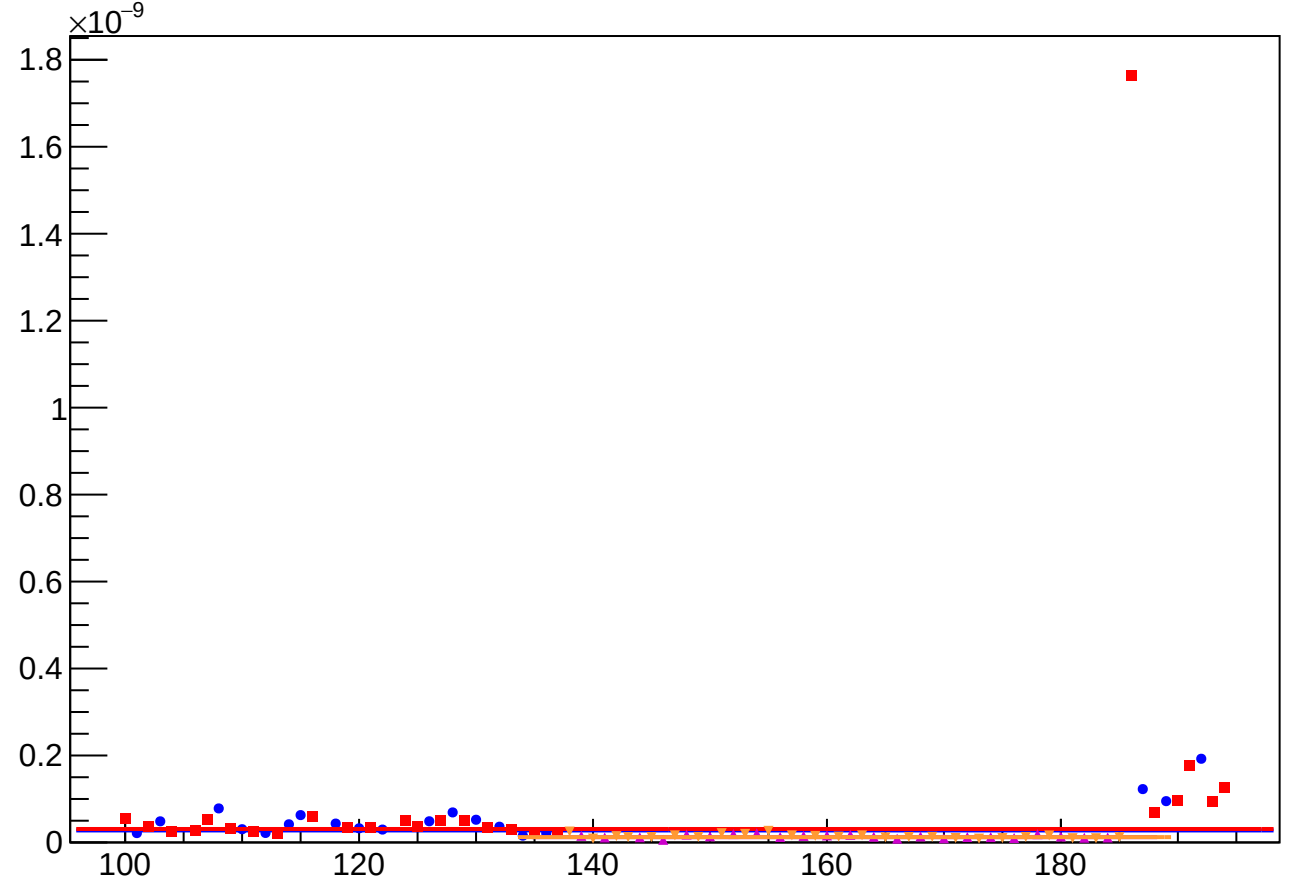
Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/24

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: 91.4/91

\- sign -0.000+/-0.000 χ^2/NDF: 38.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 3273352.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3059446.2/24

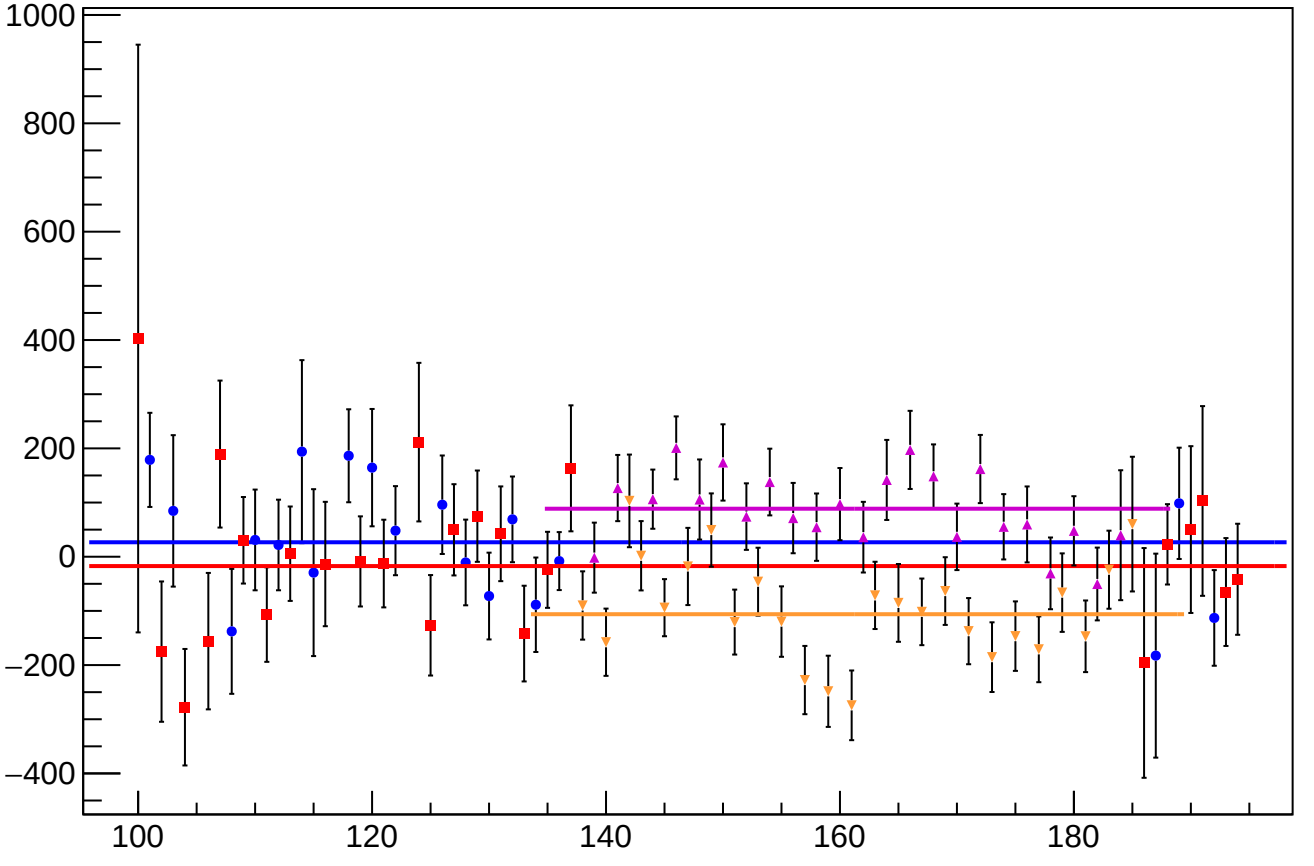
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7926596.0/43

All: 0.000+/-0.000 χ^2/NDF: 16761601.0/91

- sign 0.000+/-0.000 χ^2/NDF: 8831818.6/47

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: -17.253+/-19.938 χ^2/NDF: 25.5/24

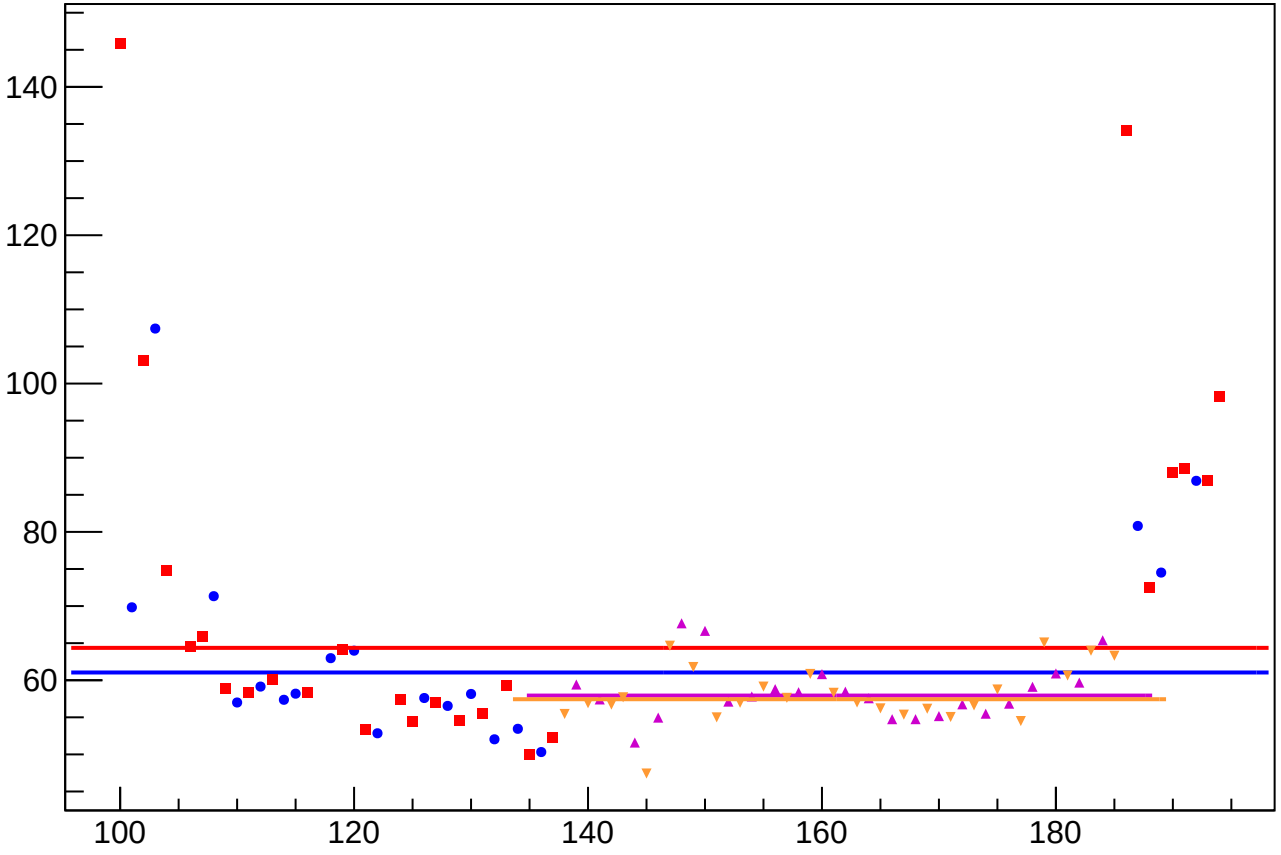
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -68.656+/-11.091 χ^2/NDF: 90.3/43

All: -7.464+/-7.886 χ^2/NDF: 220.5/91

- sign 55.115+/-11.216 χ^2/NDF: 68.6/47

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

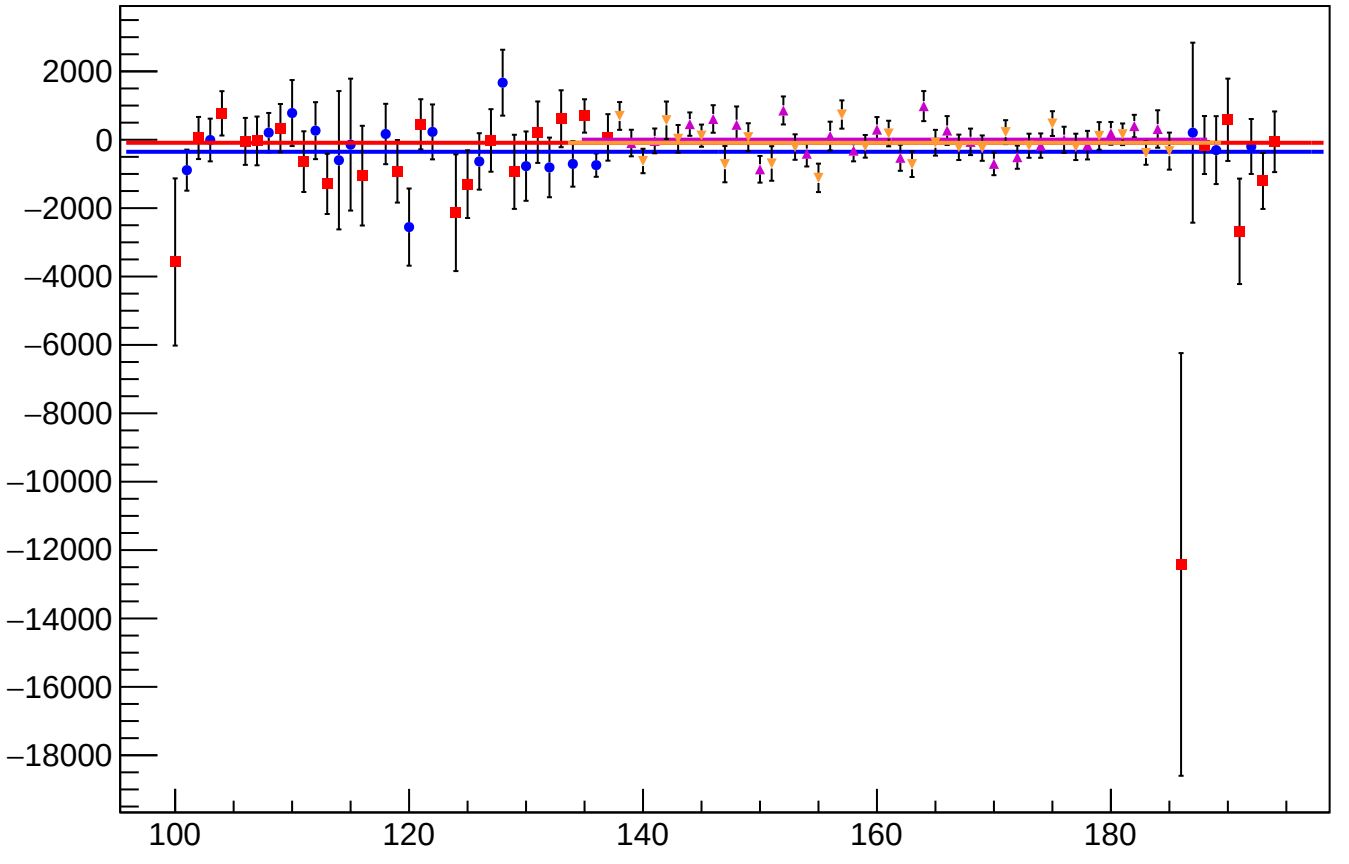
Right Out: 64.365+/-0.014 χ^2/NDF: 1159072.0/24

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.457+/-0.008 χ^2/NDF: 863948.2/43

All: 59.204+/-0.006 χ^2/NDF: 2319563.9/91

- sign 59.968+/-0.008 χ^2/NDF: 1437255.0/47



Right In: -352.009+/-173.124 χ^2/NDF: 15.3/18

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -88.761+/-168.735 χ^2/NDF: 24.3/24

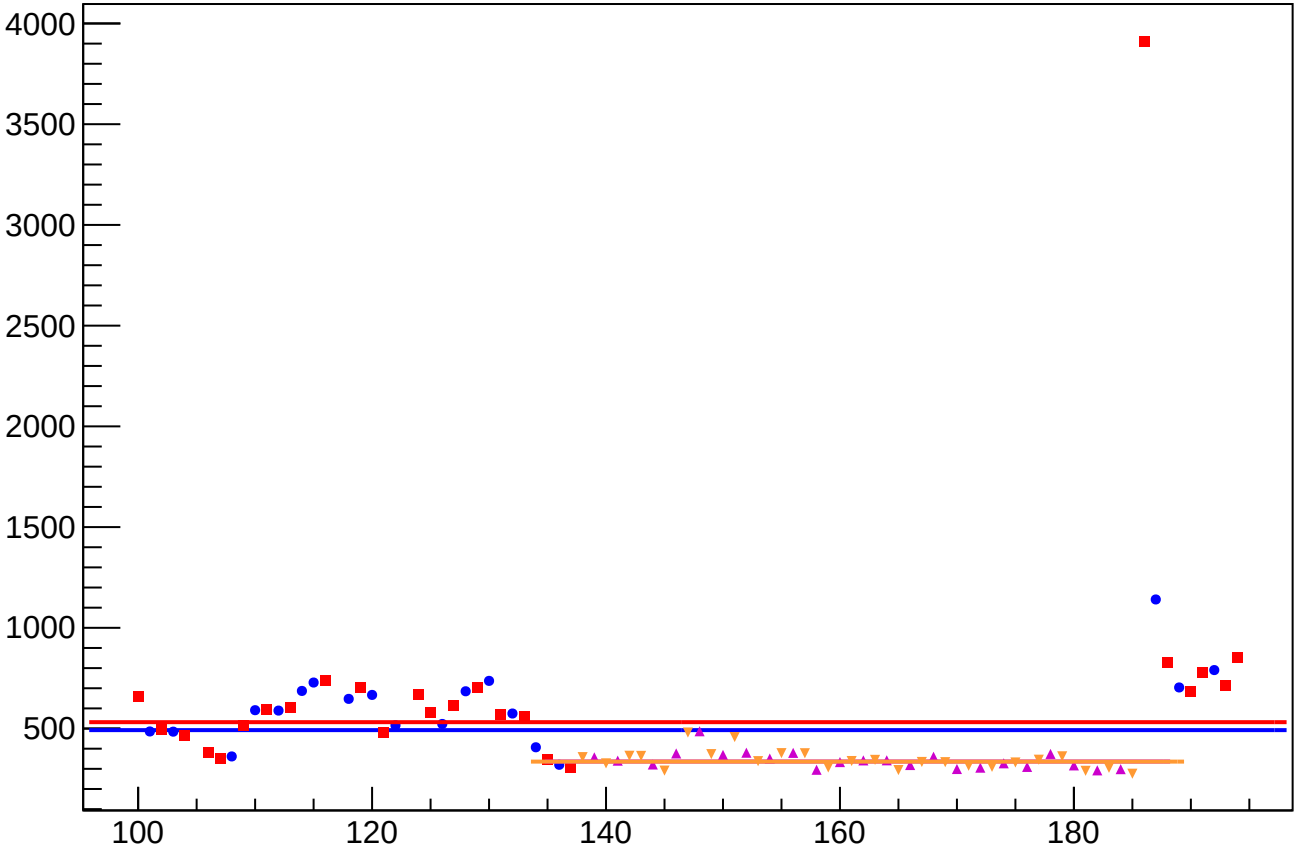
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -132.495+/-70.363 χ^2/NDF: 47.2/43

All: -74.122+/-50.217 χ^2/NDF: 106.7/91

- sign -13.527+/-71.690 χ^2/NDF: 58.1/47

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: 531.677+/-0.119 χ^2/NDF: 2292579.2/24

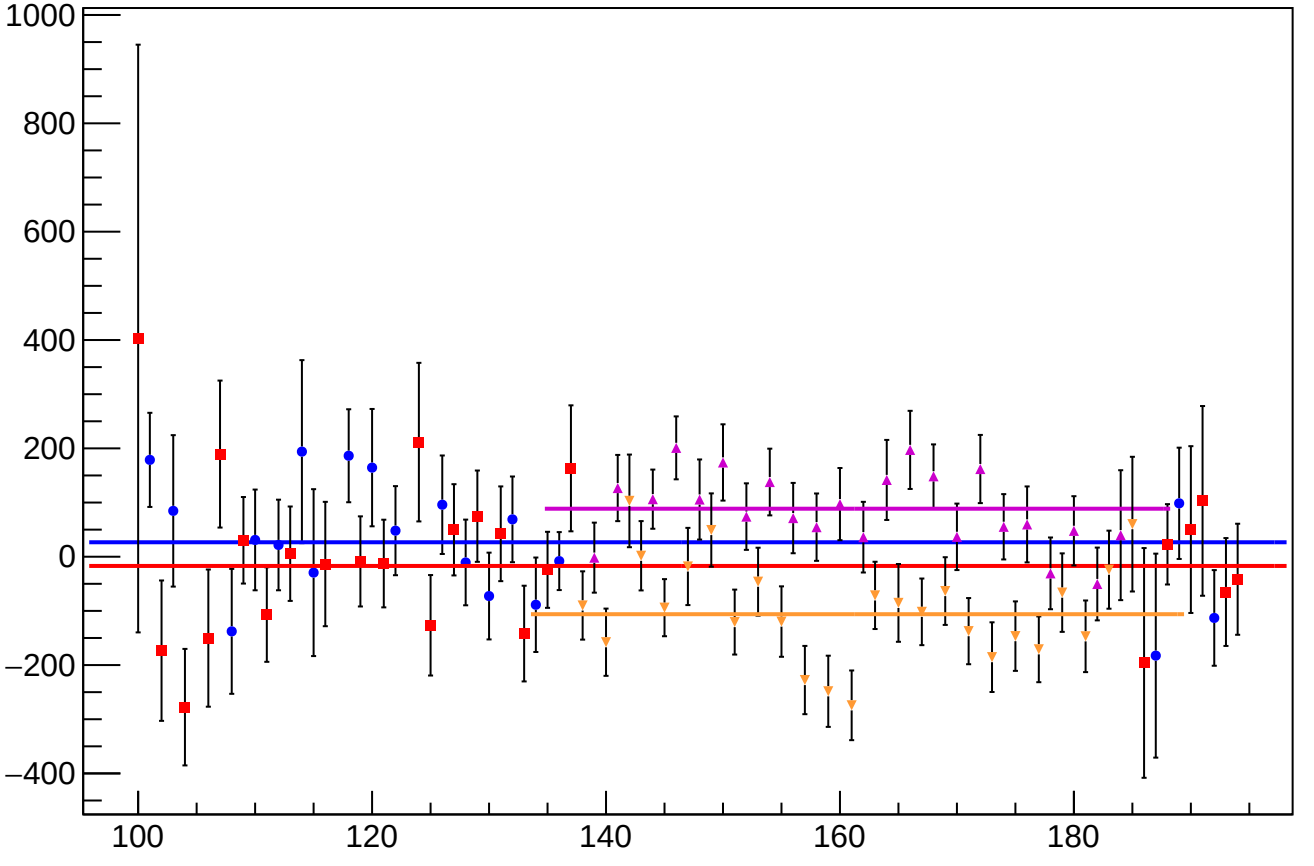
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 361.709+/-0.050 χ^2/NDF: 3450651.4/43

All: 366.564+/-0.036 χ^2/NDF: 8373268.3/91

- sign 371.603+/-0.051 χ^2/NDF: 4903214.0/47

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: -17.028+/-19.941 χ^2/NDF: 25.3/24

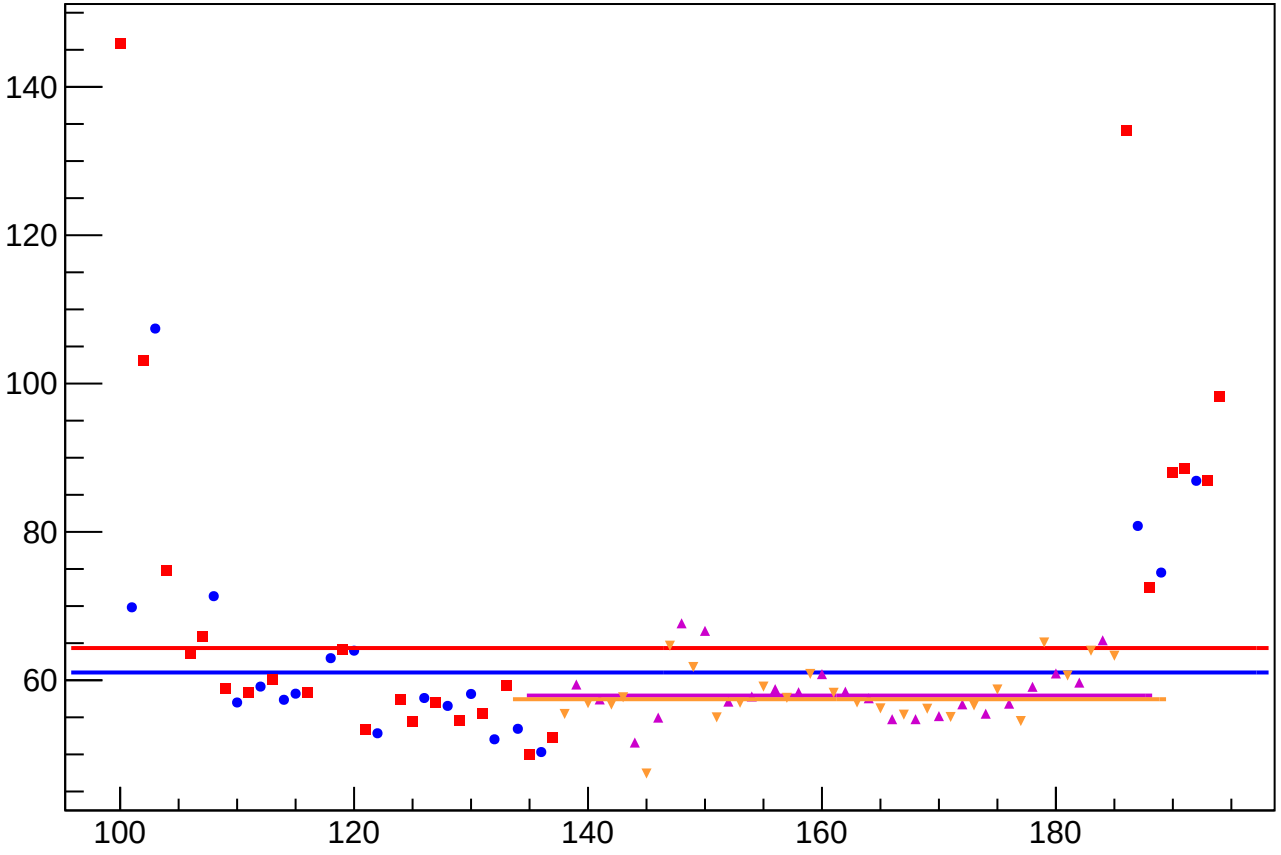
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

\+ sign -68.656+/-11.091 χ^2/NDF: 90.3/43

All: -7.428+/-7.887 χ^2/NDF: 220.3/91

\- sign 55.195+/-11.217 χ^2/NDF: 68.4/47

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

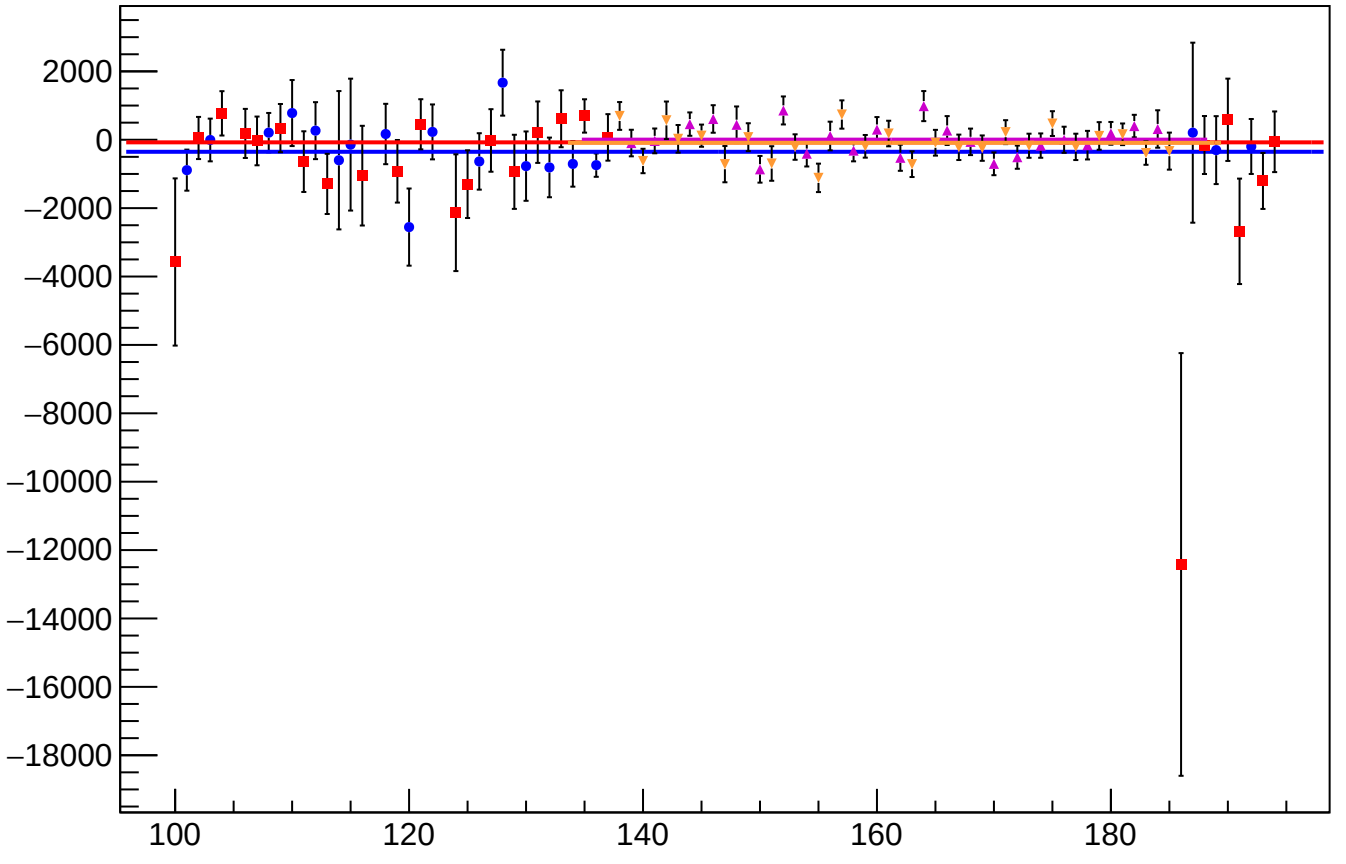
Right Out: 64.341+/-0.014 χ^2/NDF: 1159355.3/24

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.457+/-0.008 χ^2/NDF: 863950.3/43

All: 59.200+/-0.006 χ^2/NDF: 2318549.3/91

- sign 59.960+/-0.008 χ^2/NDF: 1436435.6/47



Right In: -351.975+/-173.125 χ^2/NDF: 15.3/18

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -76.064+/-169.177 χ^2/NDF: 24.4/24

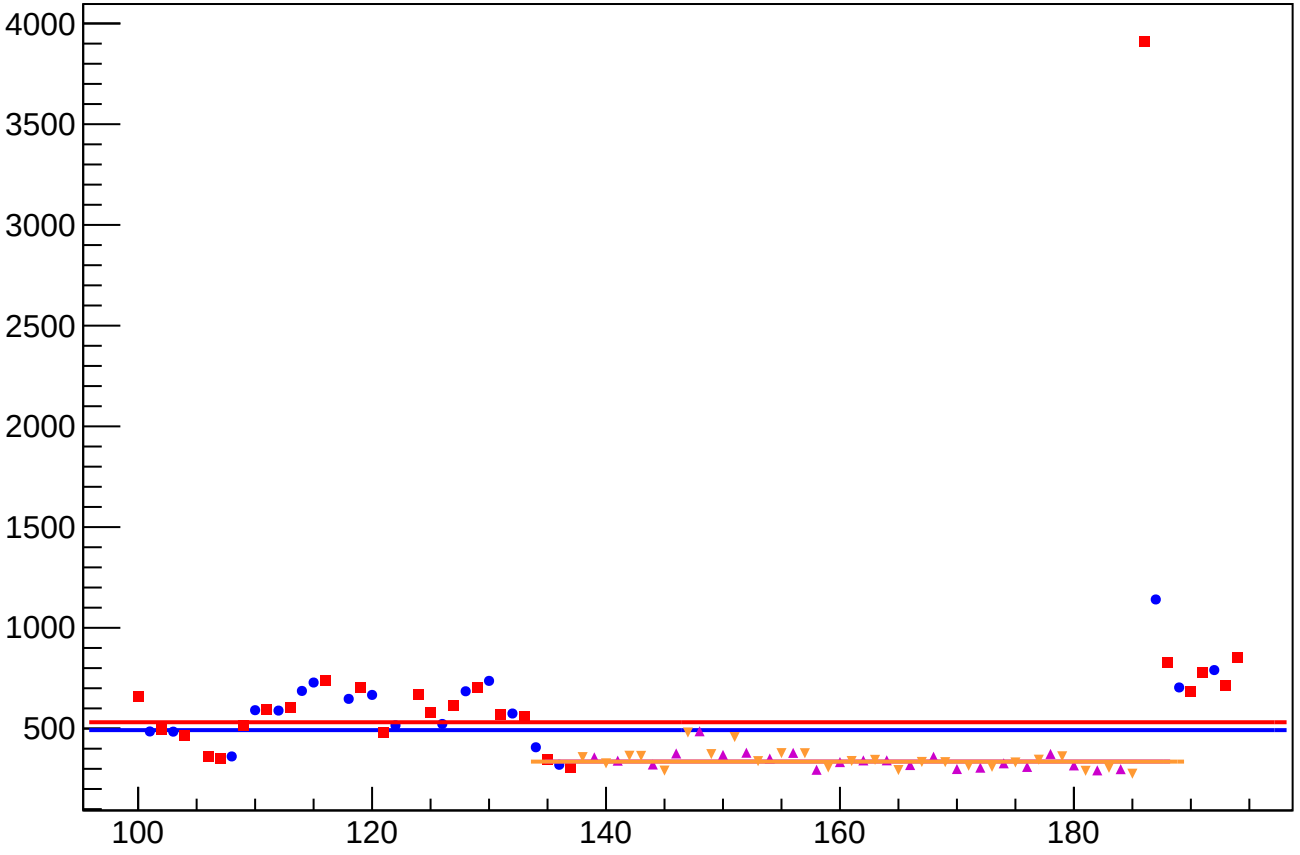
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -132.491+/-70.364 χ^2/NDF: 47.2/43

All: -72.993+/-50.229 χ^2/NDF: 106.8/91

- sign -11.172+/-71.724 χ^2/NDF: 58.2/47

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: 531.322+/-0.120 χ^2/NDF: 2310416.0/24

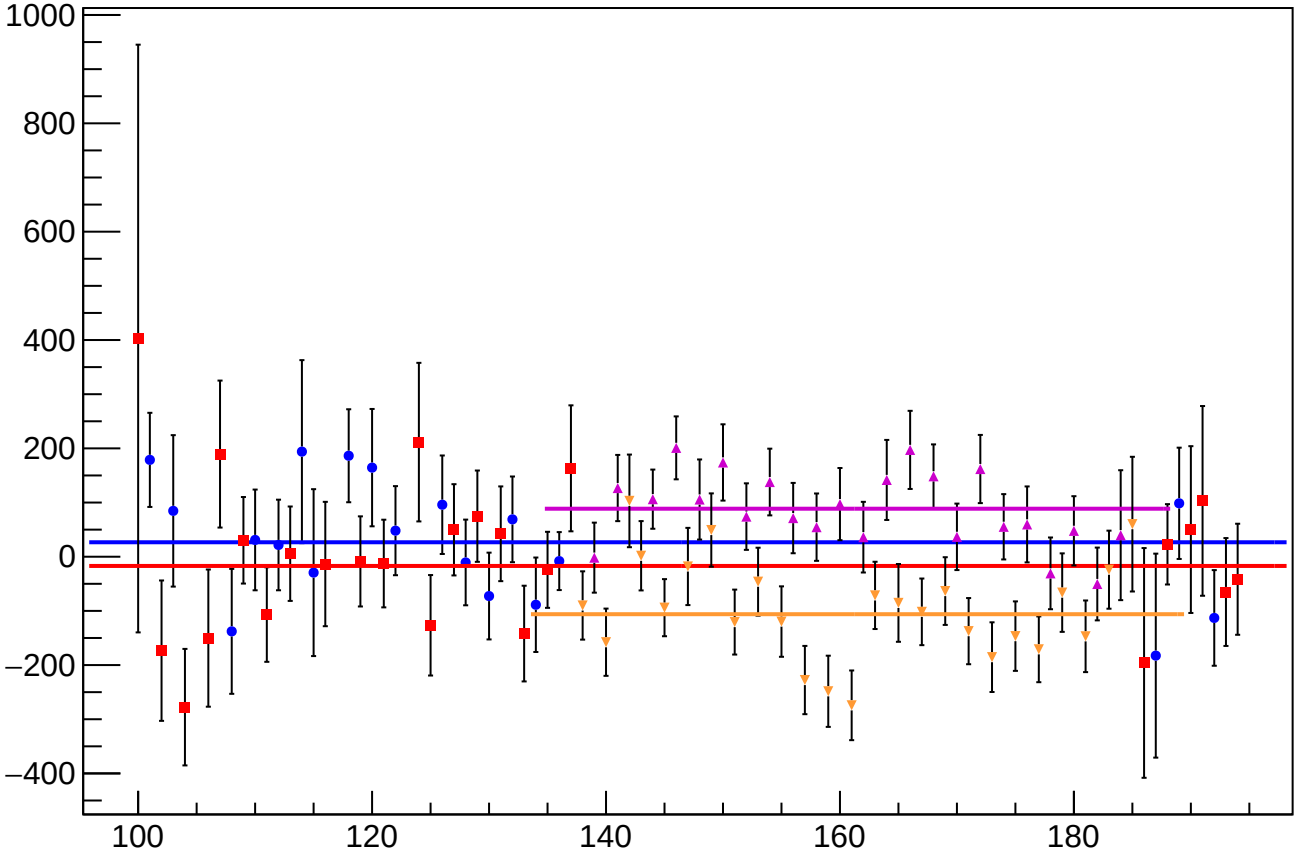
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 361.710+/-0.050 χ^2/NDF: 3450680.6/43

All: 366.456+/-0.036 χ^2/NDF: 8372931.7/91

- sign 371.388+/-0.051 χ^2/NDF: 4903692.1/47

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: -17.028+/-19.941 χ^2/NDF: 25.3/24

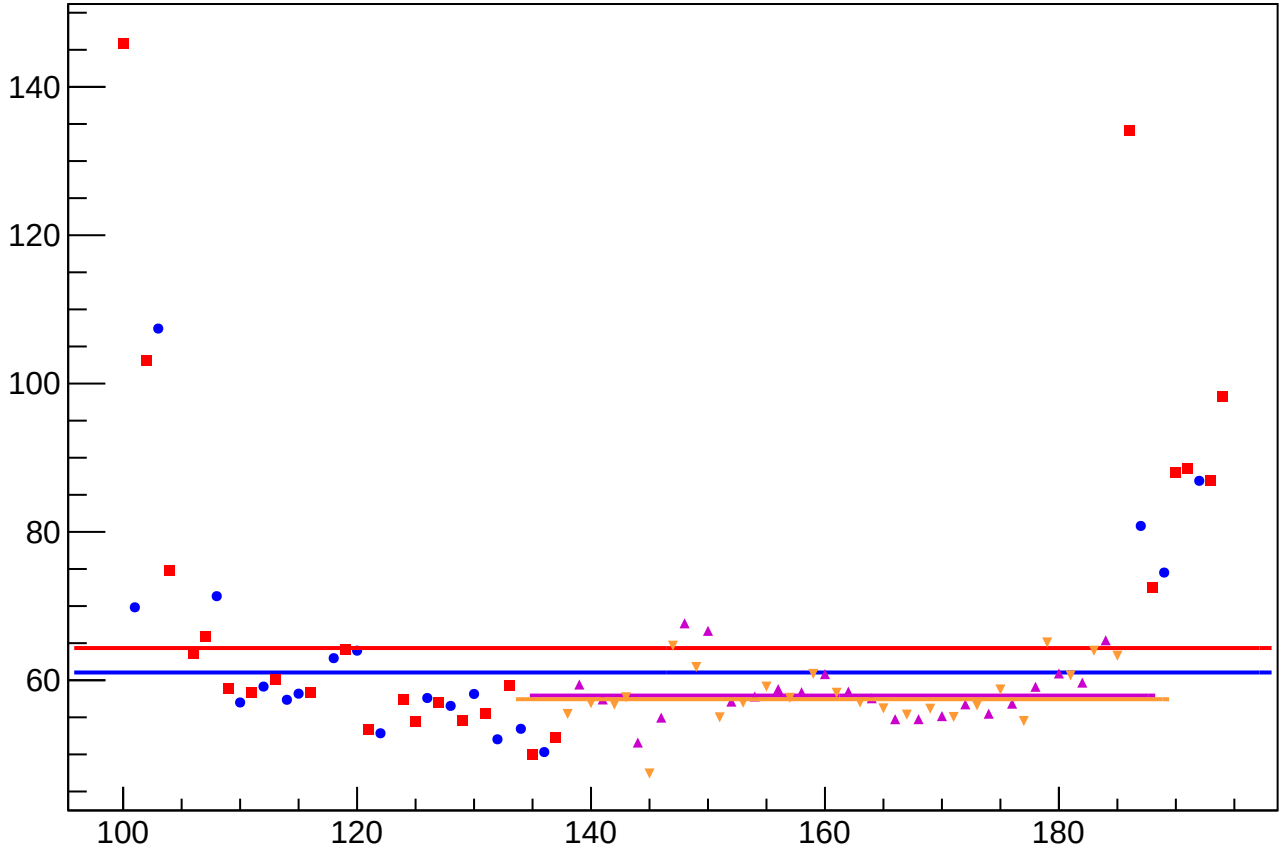
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -68.656+/-11.091 χ^2/NDF: 90.3/43

All: -7.428+/-7.887 χ^2/NDF: 220.3/91

- sign 55.195+/-11.217 χ^2/NDF: 68.4/47

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

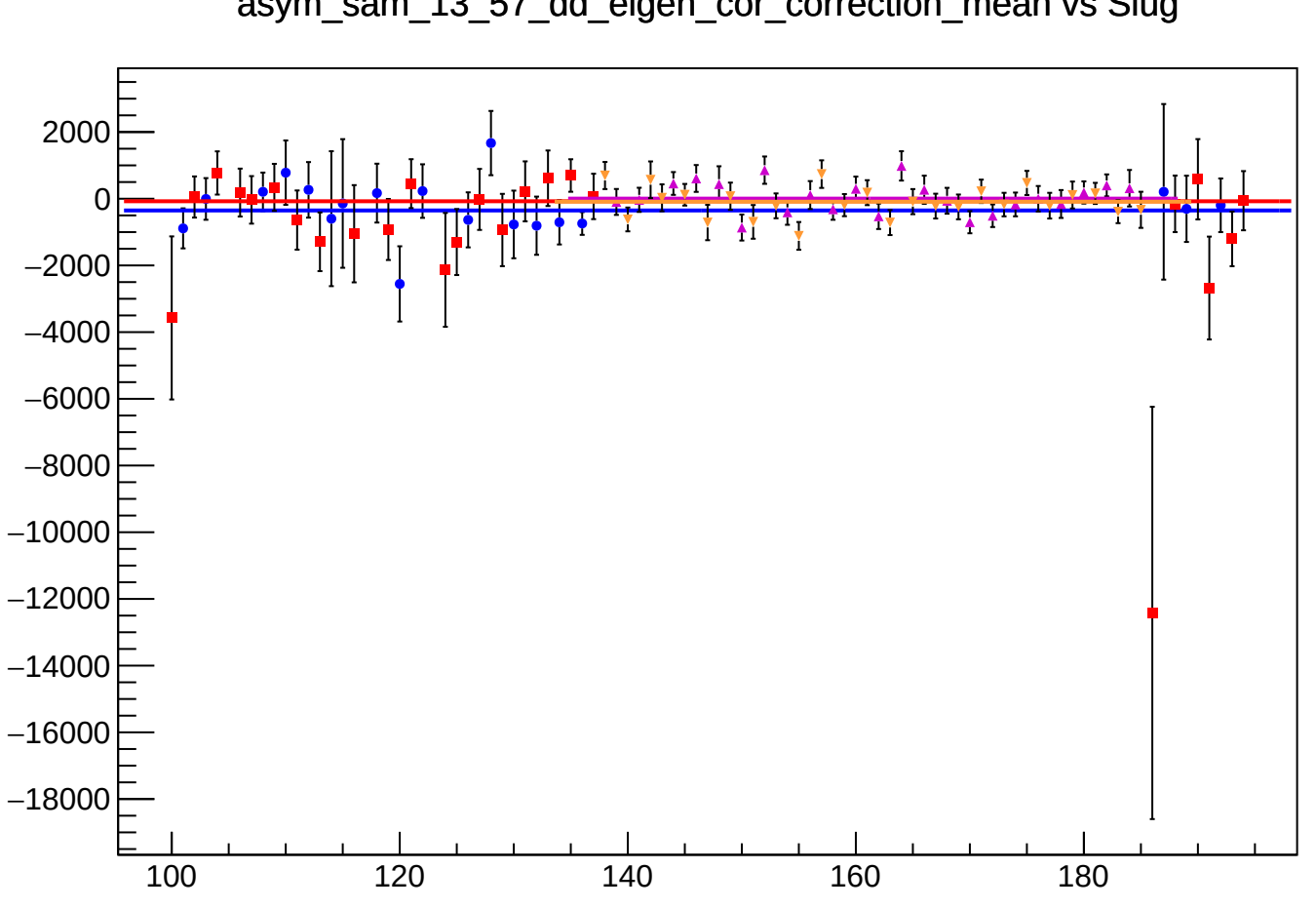
Right Out: 64.341+/-0.014 χ^2/NDF: 1159355.3/24

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 58.457+/-0.008 χ^2/NDF: 863950.3/43

All: 59.200+/-0.006 χ^2/NDF: 2318549.3/91

- sign 59.960+/-0.008 χ^2/NDF: 1436435.6/47



Right In: -351.975+/-173.125 χ^2/NDF: 15.3/18

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -76.064+/-169.177 χ^2/NDF: 24.4/24

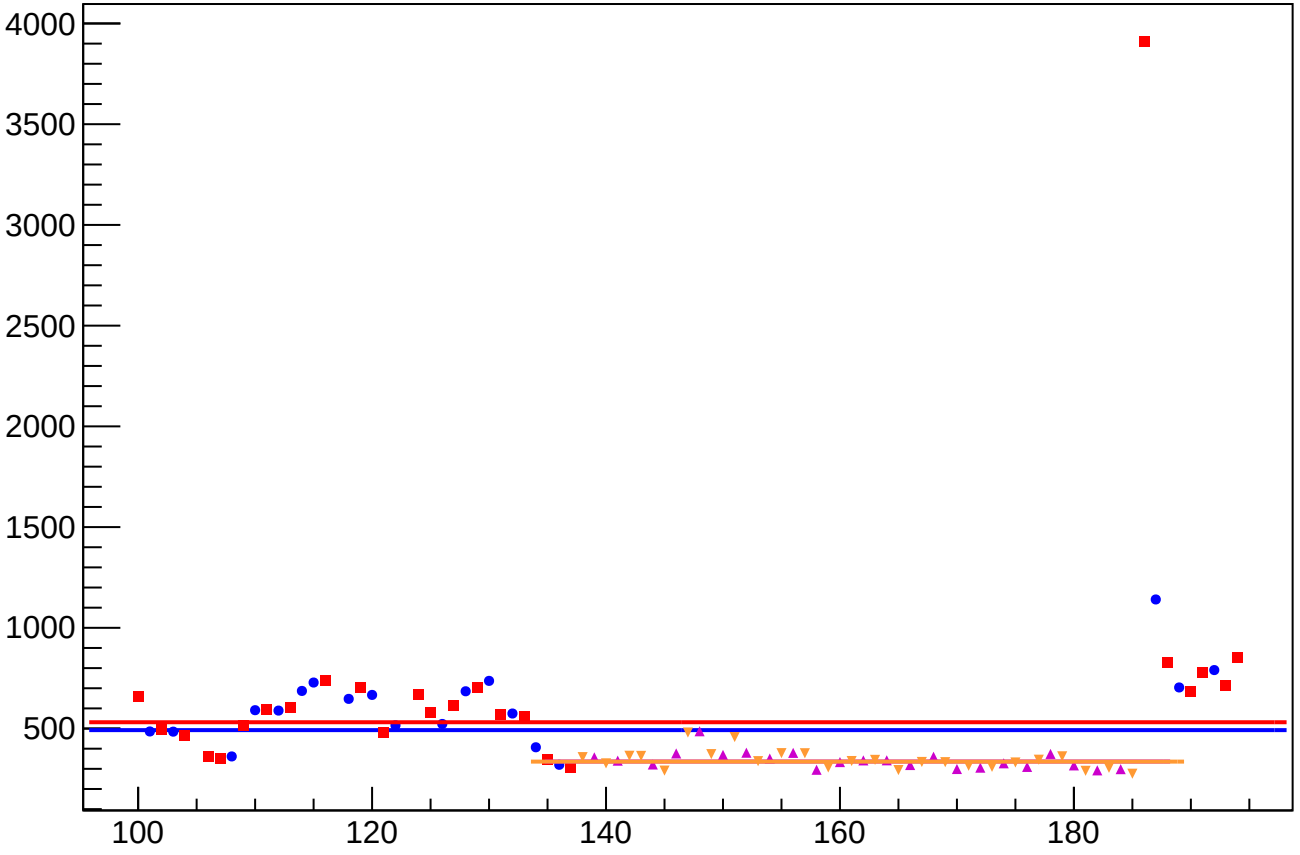
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -132.491+/-70.364 χ^2/NDF: 47.2/43

All: -72.993+/-50.229 χ^2/NDF: 106.8/91

- sign -11.172+/-71.724 χ^2/NDF: 58.2/47

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 492.173+/-0.122 χ^2/NDF: 1556344.7/18

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 531.322+/-0.120 χ^2/NDF: 2310416.0/24

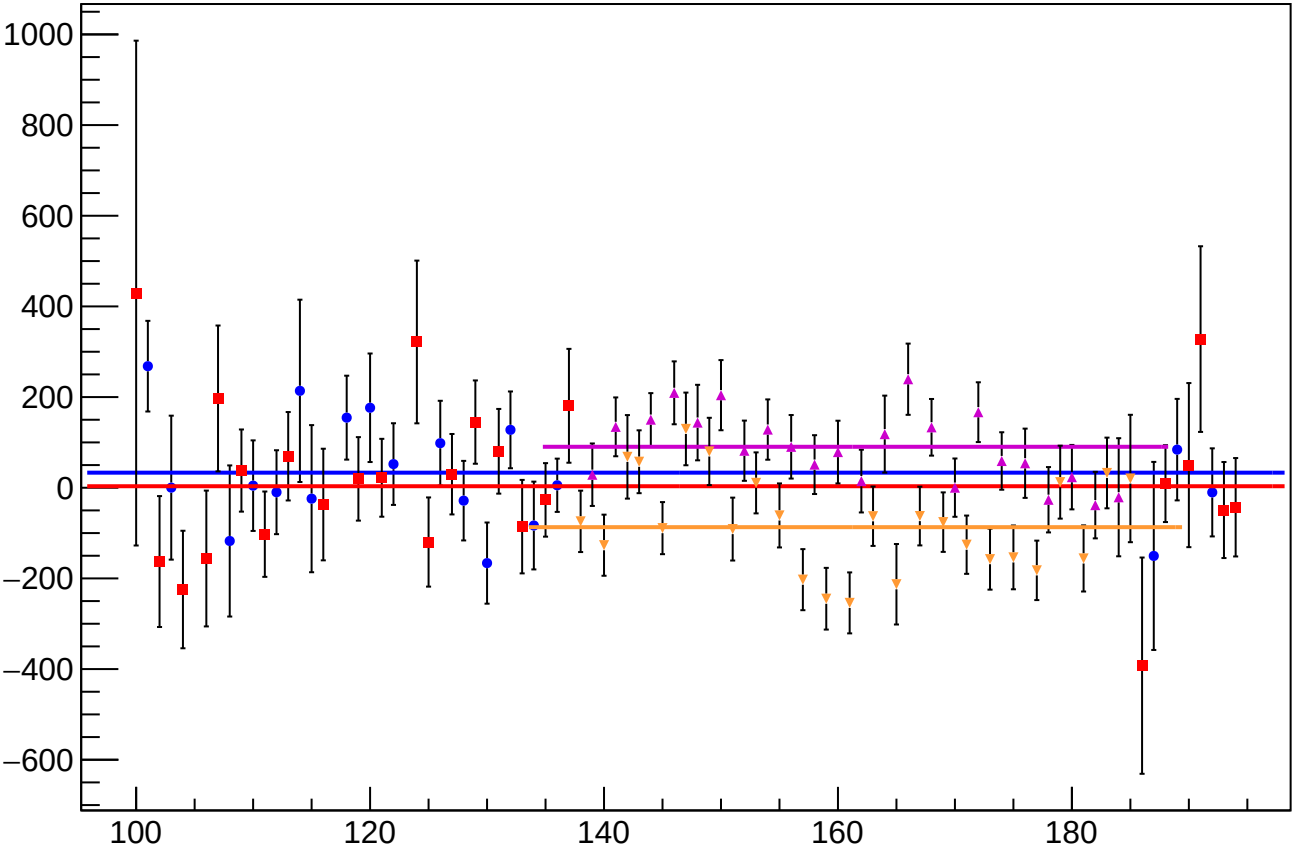
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 361.710+/-0.050 χ^2/NDF: 3450680.6/43

All: 366.456+/-0.036 χ^2/NDF: 8372931.7/91

- sign 371.388+/-0.051 χ^2/NDF: 4903692.1/47

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: 3.345+/-22.128 χ^2/NDF: 26.1/24

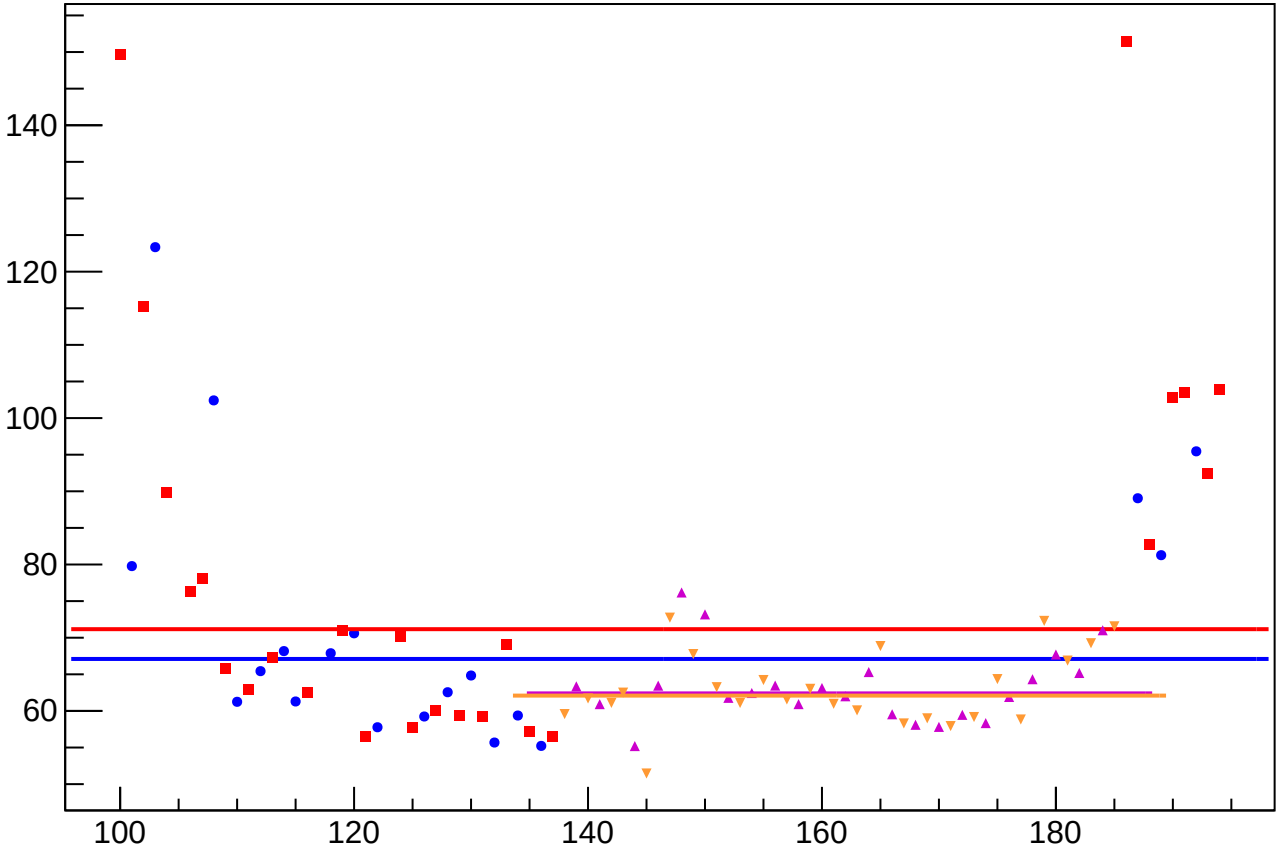
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -54.010+/-12.077 χ^2/NDF: 89.4/43

All: 4.221+/-8.590 χ^2/NDF: 198.3/91

- sign 63.829+/-12.219 χ^2/NDF: 61.9/47

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: 71.167+/-0.016 χ^2/NDF: 1228424.8/24

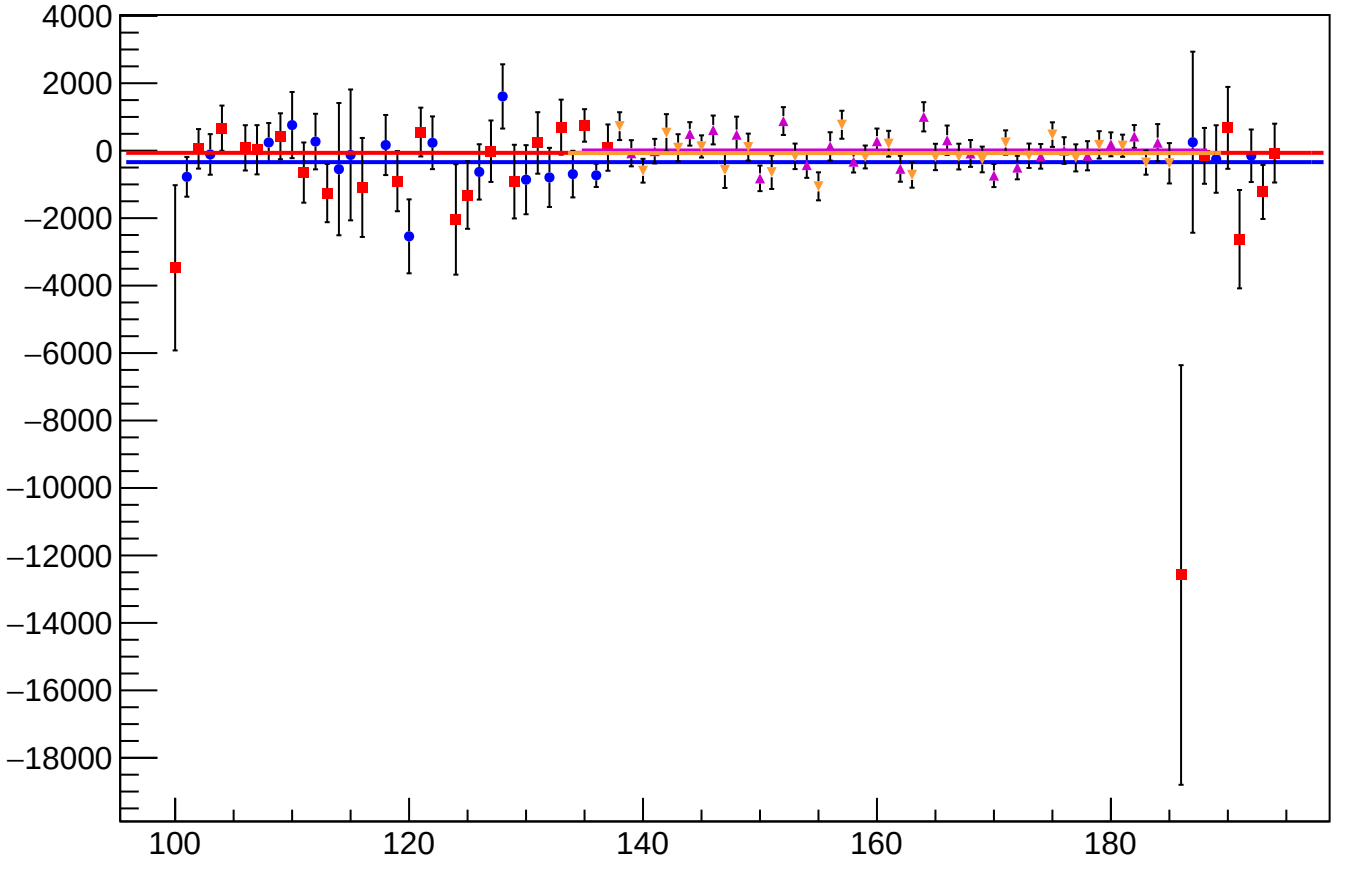
Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 63.465+/-0.009 χ^2/NDF: 1084525.0/43

All: 64.258+/-0.006 χ^2/NDF: 2737648.7/91

- sign 65.070+/-0.009 χ^2/NDF: 1635671.6/47

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: -64.057+/-167.040 χ^2/NDF: 25.3/24

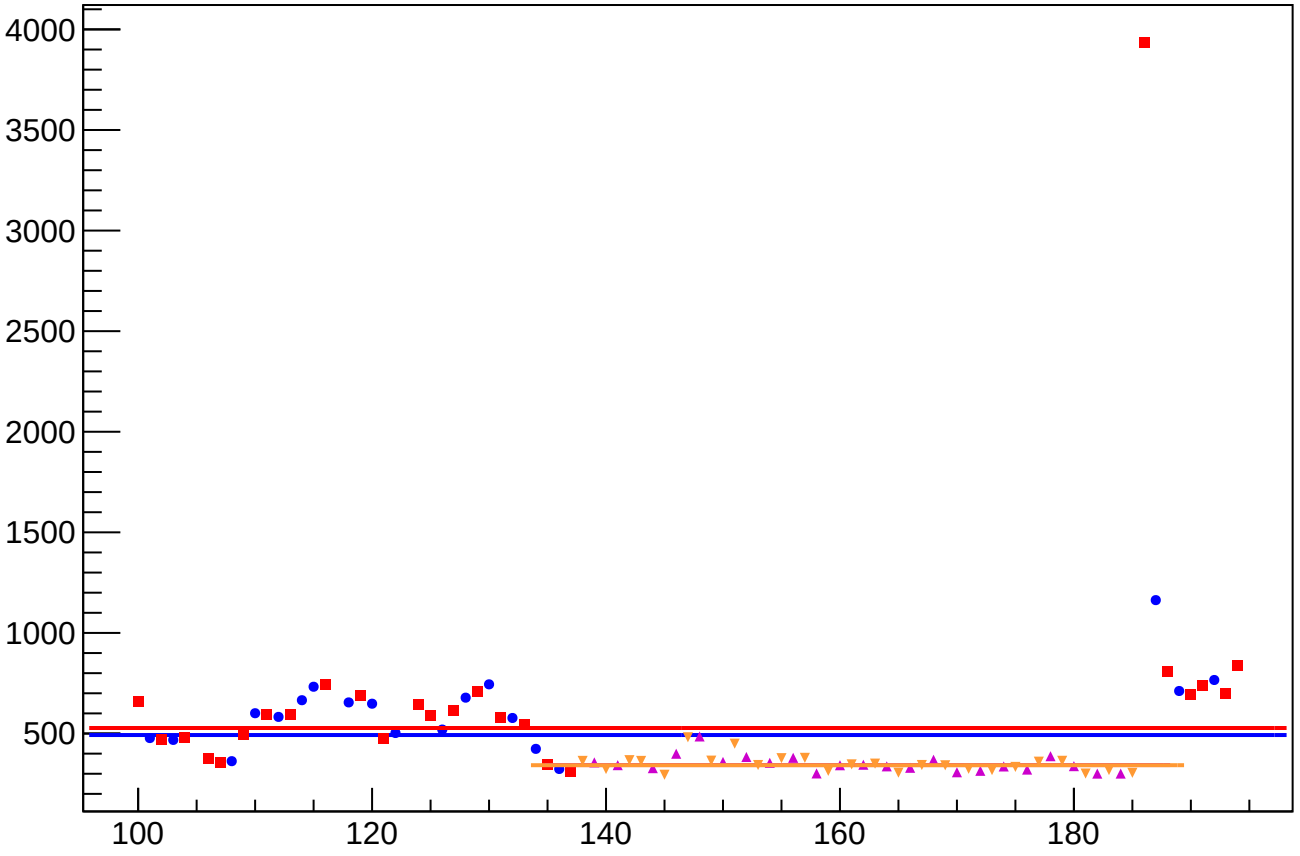
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -117.192+/-71.387 χ^2/NDF: 45.5/43

All: -63.187+/-50.939 χ^2/NDF: 106.1/91

- sign -7.164+/-72.708 χ^2/NDF: 59.4/47

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: 527.381+/-0.118 χ^2/NDF: 2238456.9/24

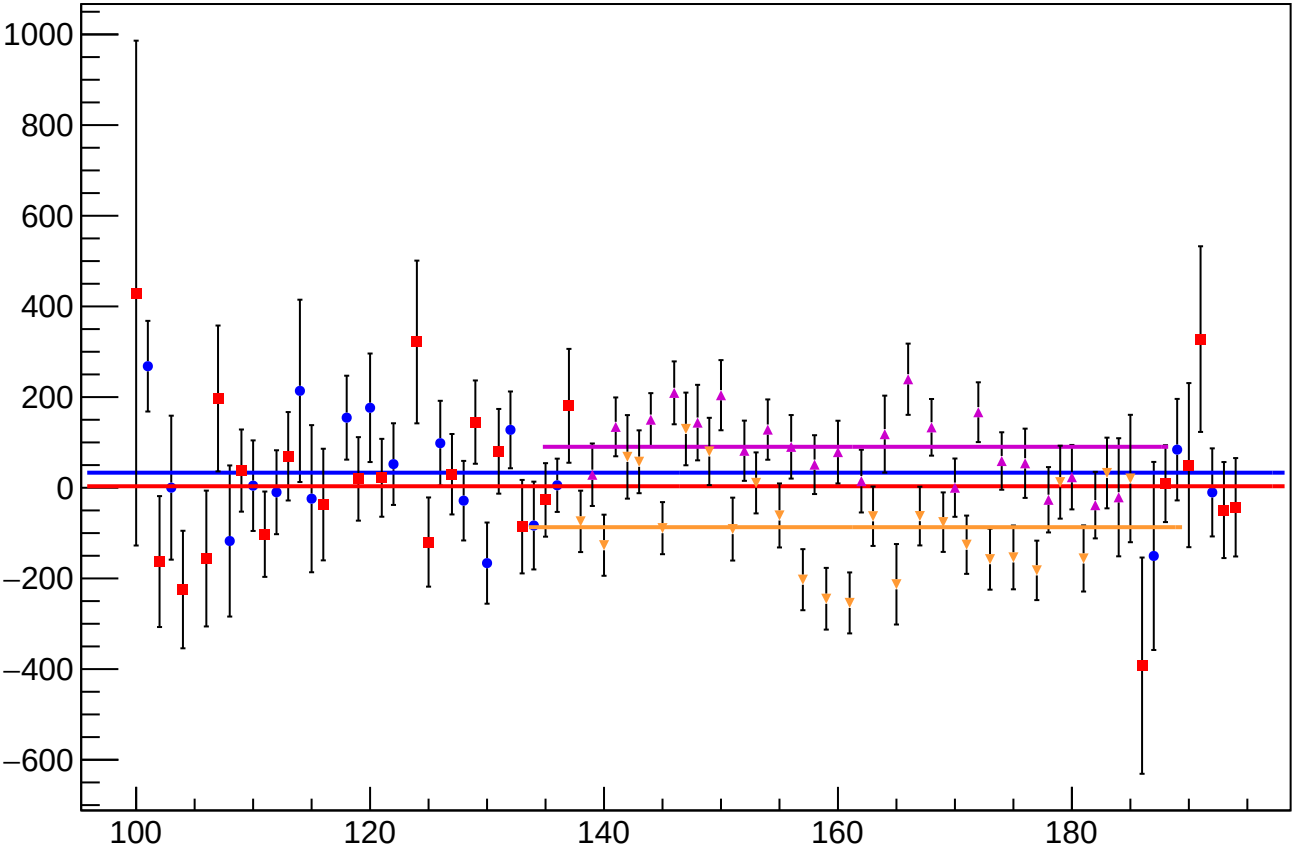
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 368.131+/-0.050 χ^2/NDF: 3175828.1/43

All: 373.040+/-0.036 χ^2/NDF: 7776438.0/91

- sign 378.132+/-0.051 χ^2/NDF: 4581343.6/47

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: 3.345+/-22.128 χ^2/NDF: 26.1/24

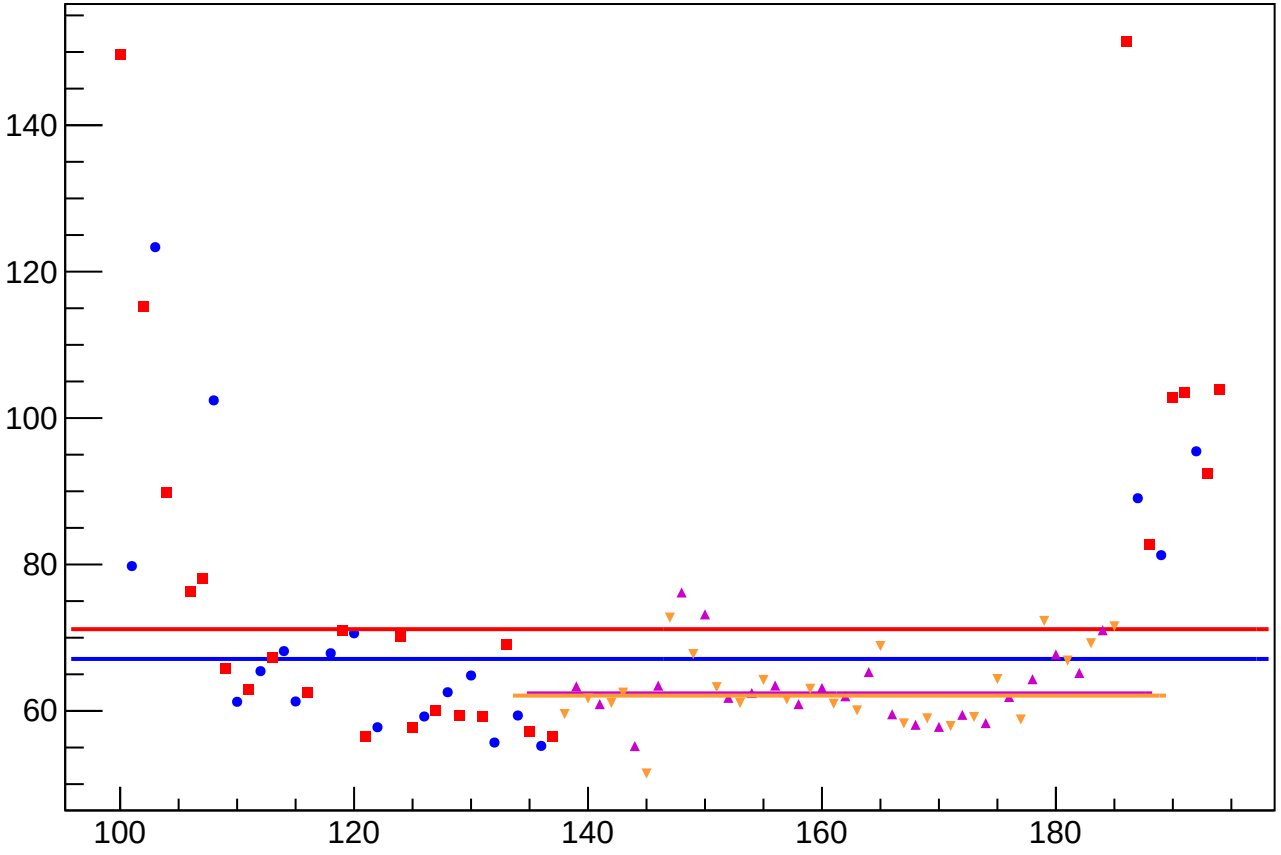
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -54.009+/-12.077 χ^2/NDF: 89.4/43

All: 4.221+/-8.590 χ^2/NDF: 198.3/91

- sign 63.829+/-12.219 χ^2/NDF: 61.9/47

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

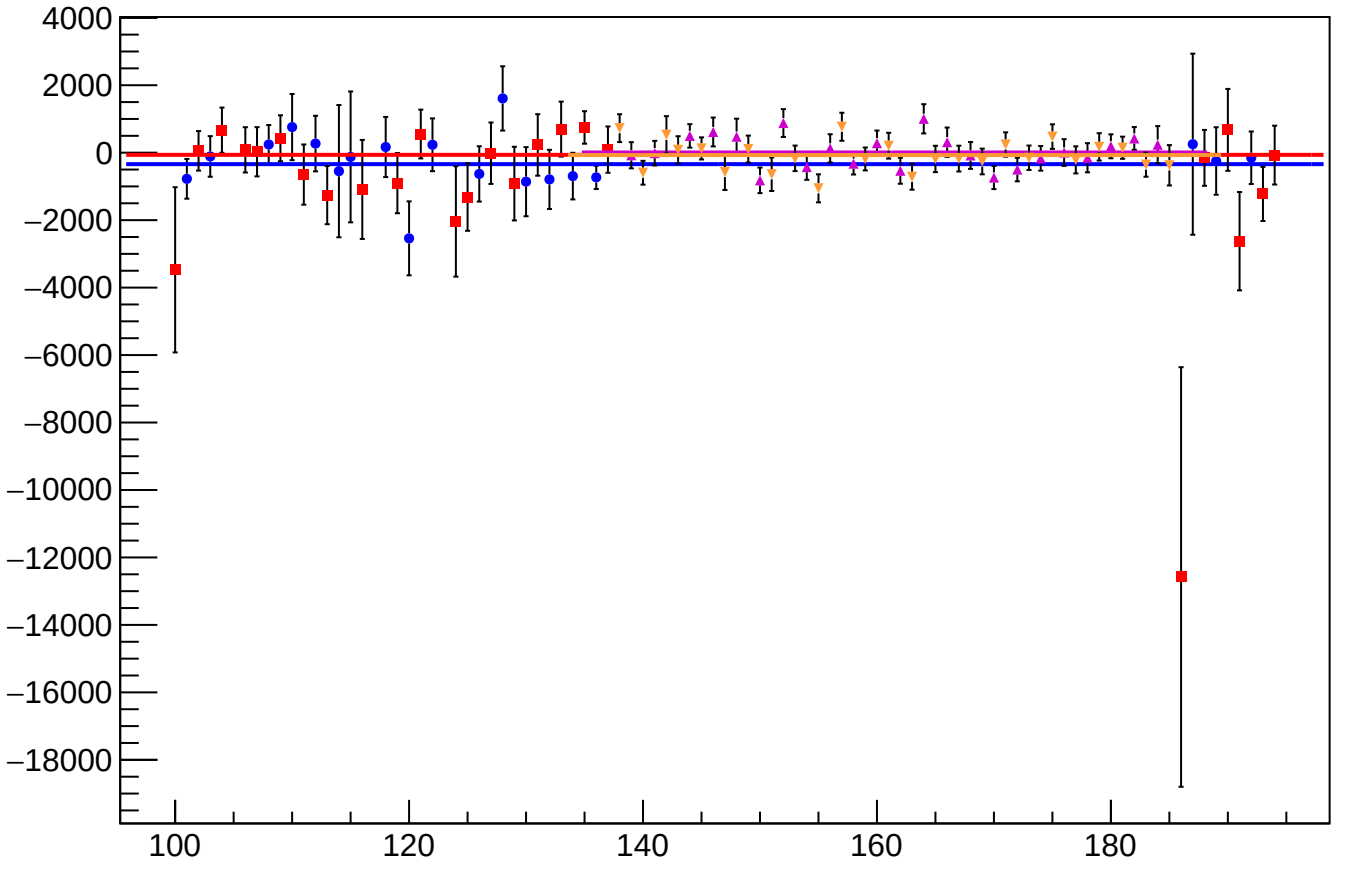
Right Out: 71.167+/-0.016 χ^2/NDF: 1228429.4/24

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 63.465+/-0.009 χ^2/NDF: 1084543.4/43

All: 64.258+/-0.006 χ^2/NDF: 2737670.7/91

- sign 65.070+/-0.009 χ^2/NDF: 1635674.7/47



Right In: -339.723+/-172.684 χ^2/NDF: 14.9/18

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -64.056+/-167.039 χ^2/NDF: 25.3/24

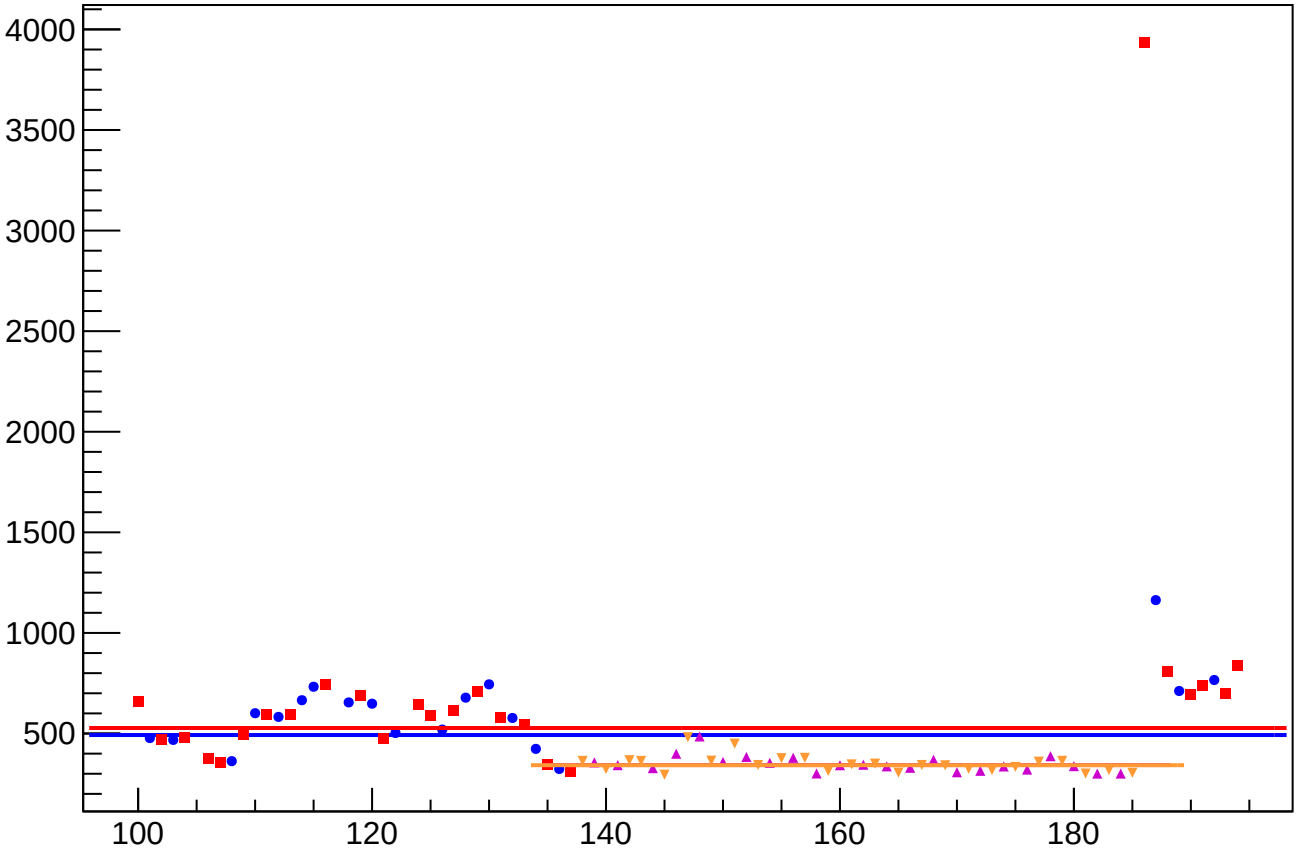
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -117.192+/-71.387 χ^2/NDF: 45.5/43

All: -63.187+/-50.939 χ^2/NDF: 106.1/91

- sign -7.164+/-72.708 χ^2/NDF: 59.4/47

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: 527.380+/-0.118 χ^2/NDF: 2238457.7/24

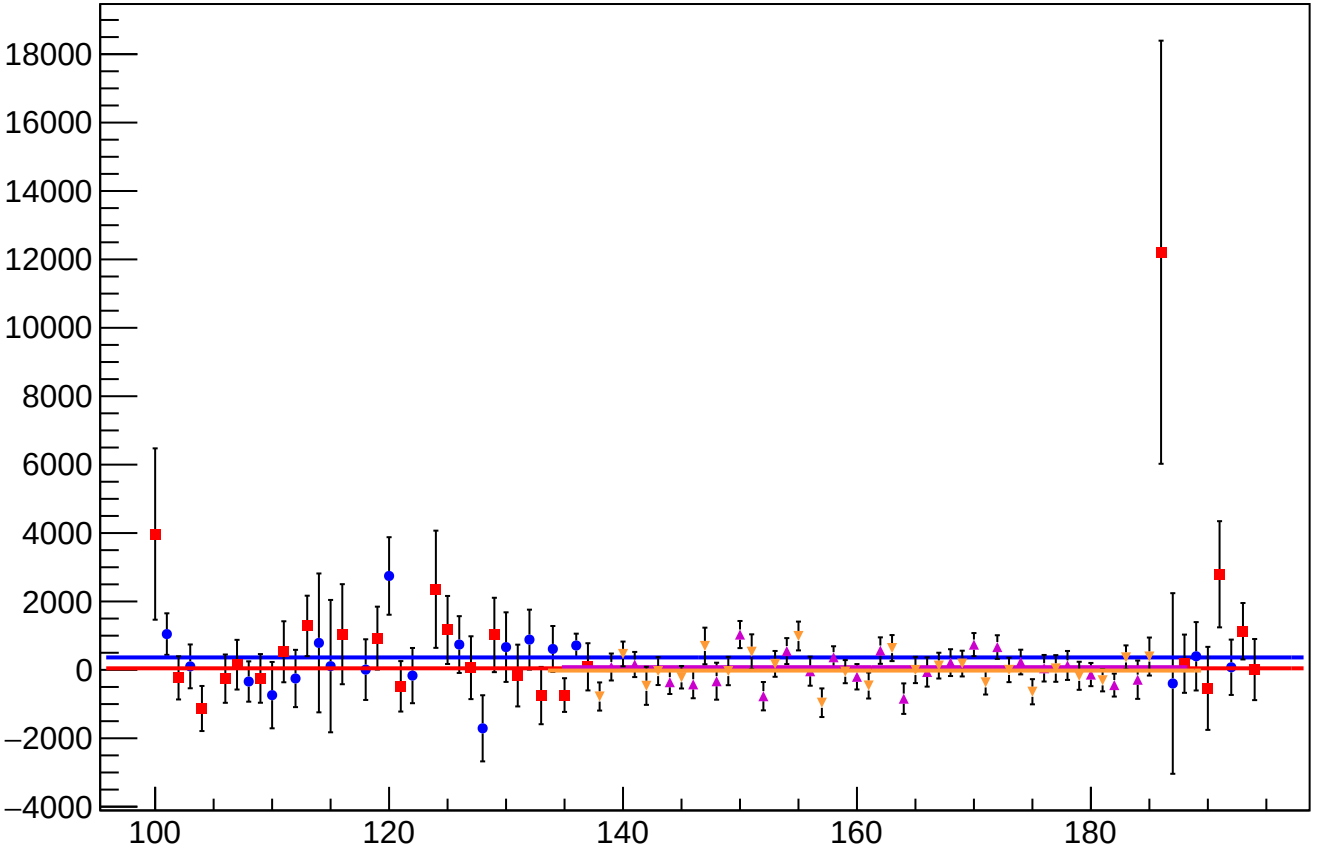
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 368.131+/-0.050 χ^2/NDF: 3175825.4/43

All: 373.040+/-0.036 χ^2/NDF: 7776423.0/91

- sign 378.132+/-0.051 χ^2/NDF: 4581330.8/47

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: 45.502+/-170.602 χ^2/NDF: 26.7/24

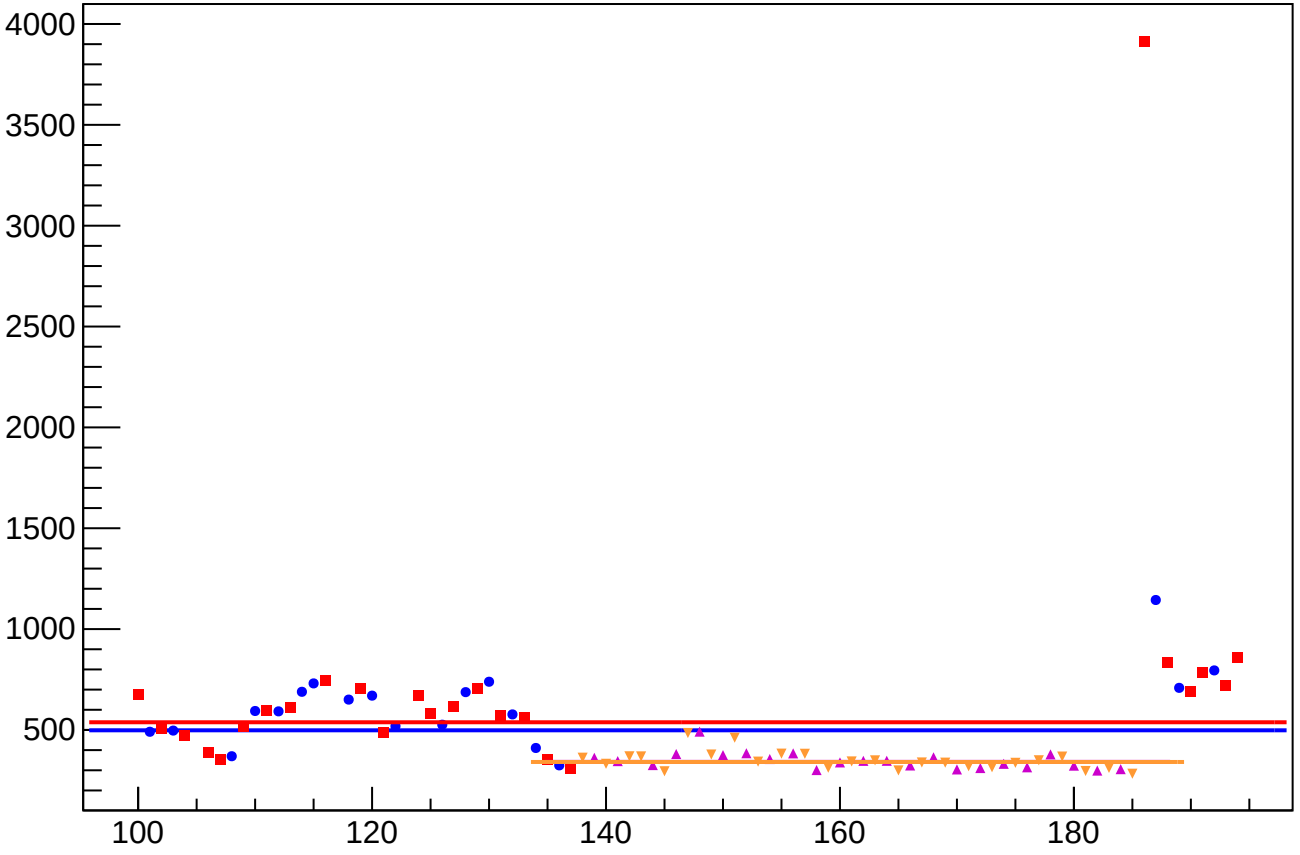
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 43.649+/-71.394 χ^2/NDF: 51.8/43

All: 57.895+/-50.951 χ^2/NDF: 111.6/91

- sign 72.681+/-72.736 χ^2/NDF: 59.7/47

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

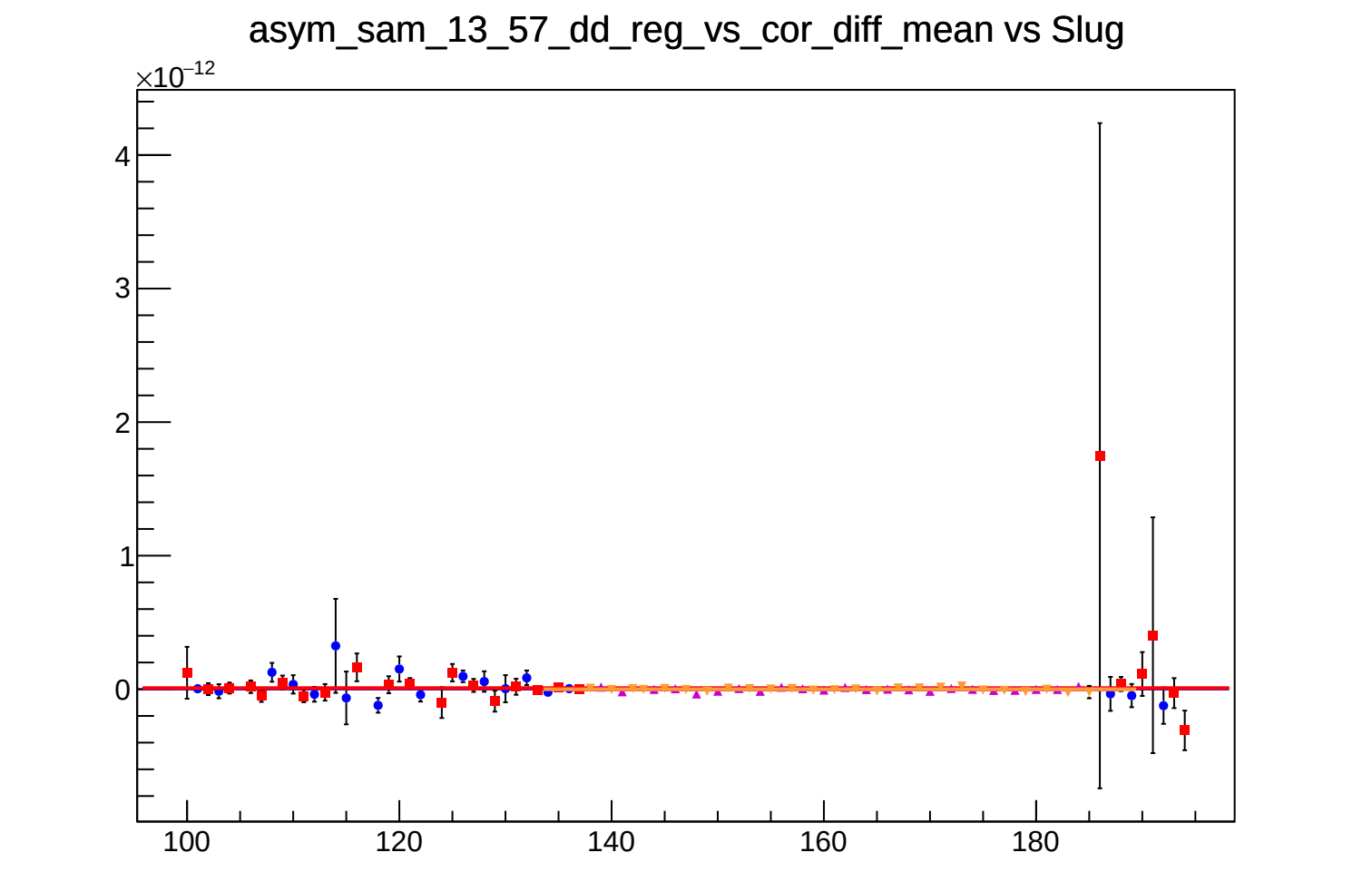
Right Out: 538.073+/-0.121 χ^2/NDF: 2246801.3/24

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 367.323+/-0.050 χ^2/NDF: 3368981.3/43

All: 372.234+/-0.036 χ^2/NDF: 8201857.8/91

- sign 377.331+/-0.051 χ^2/NDF: 4813591.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

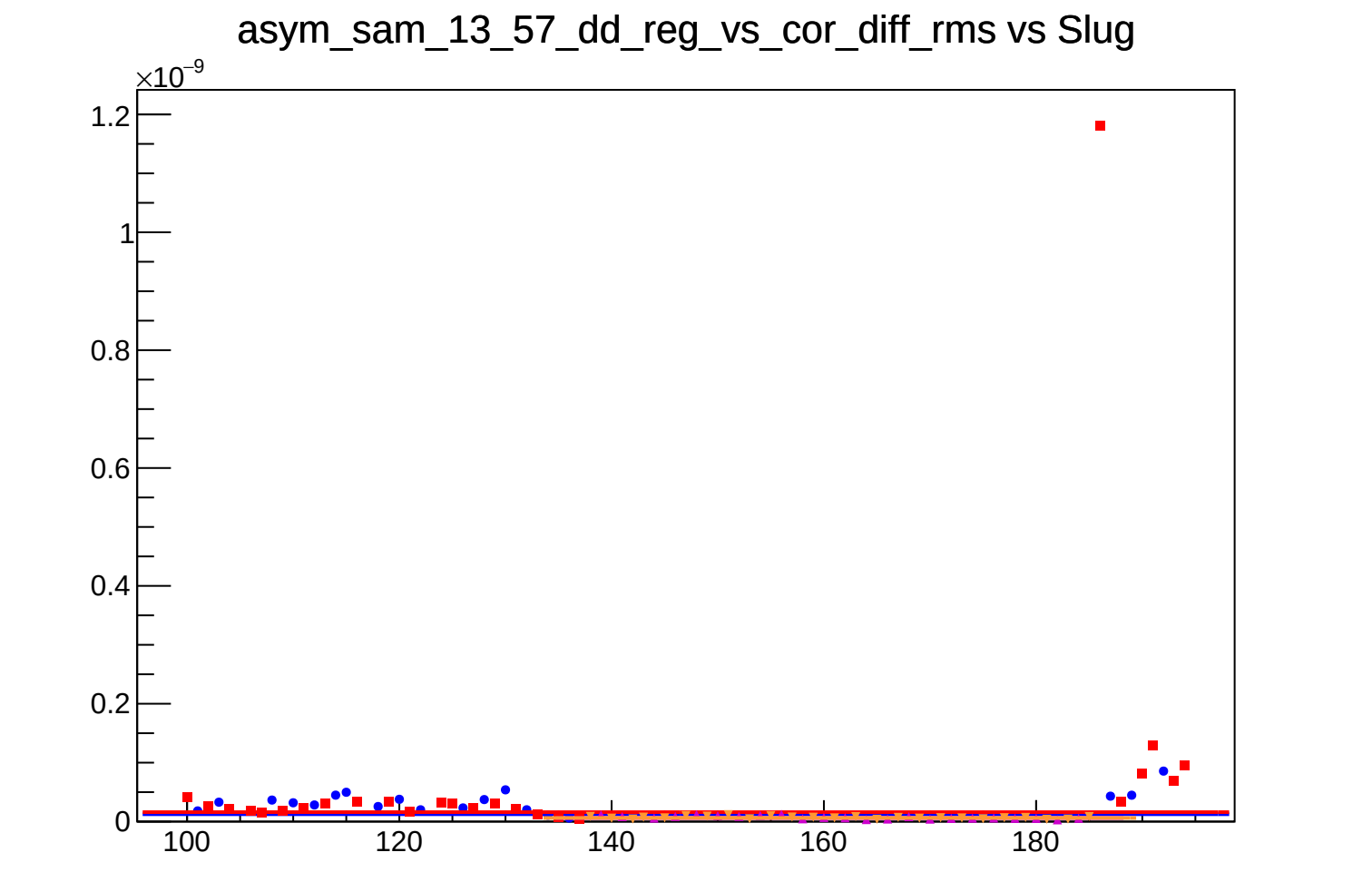
Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/24

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: 77.9/91

- sign -0.000+/-0.000 χ^2/NDF: 35.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 3832495.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3880138.9/24

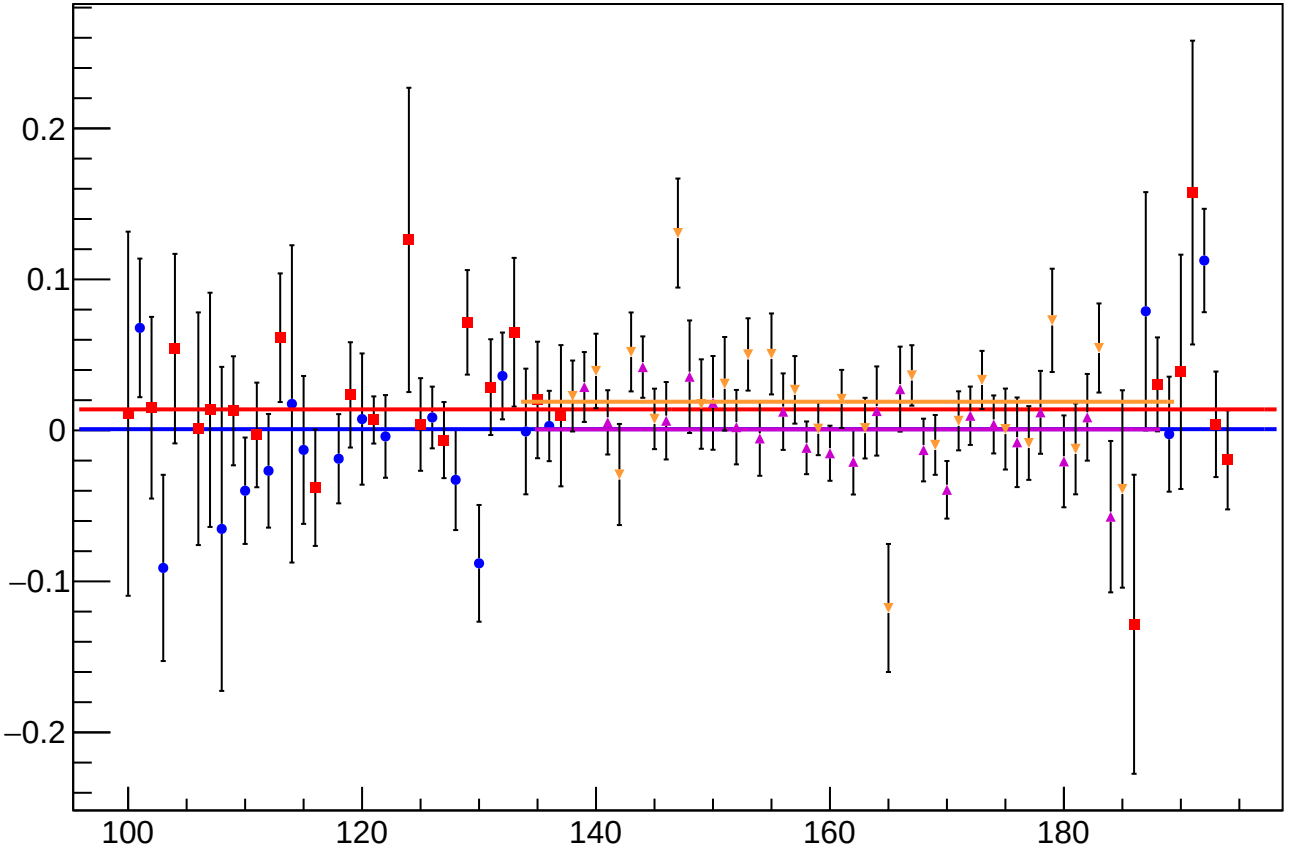
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6135054.3/43

All: 0.000+/-0.000 χ^2/NDF: 13926373.5/91

- sign 0.000+/-0.000 χ^2/NDF: 7791256.1/47

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

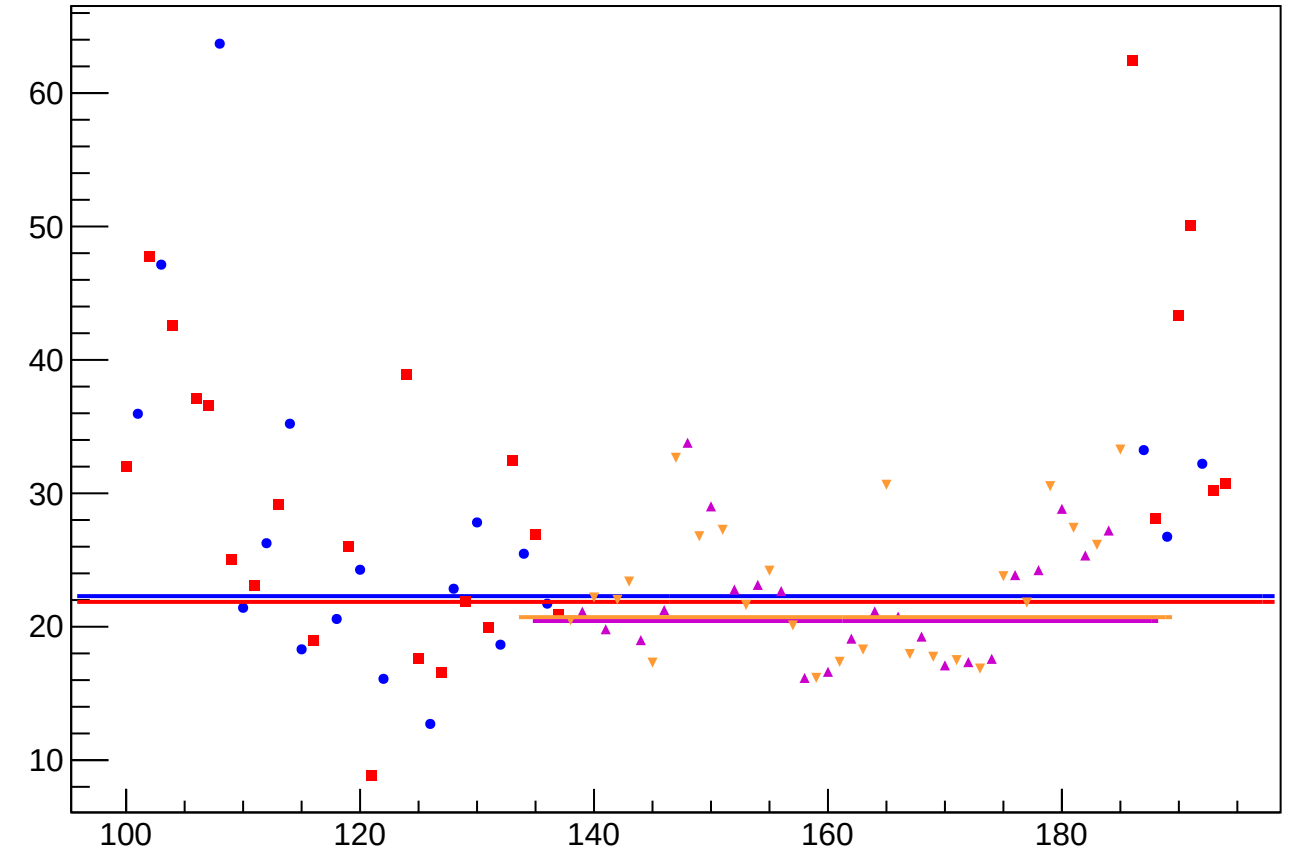
Right Out: 0.014+/-0.007 χ^2/NDF: 15.7/24

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 71.6/43

All: 0.009+/-0.003 χ^2/NDF: 109.8/91

- sign 0.005+/-0.004 χ^2/NDF: 35.6/47



Right In: 22.293+/-0.006 χ^2/NDF: 1739394.0/18

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

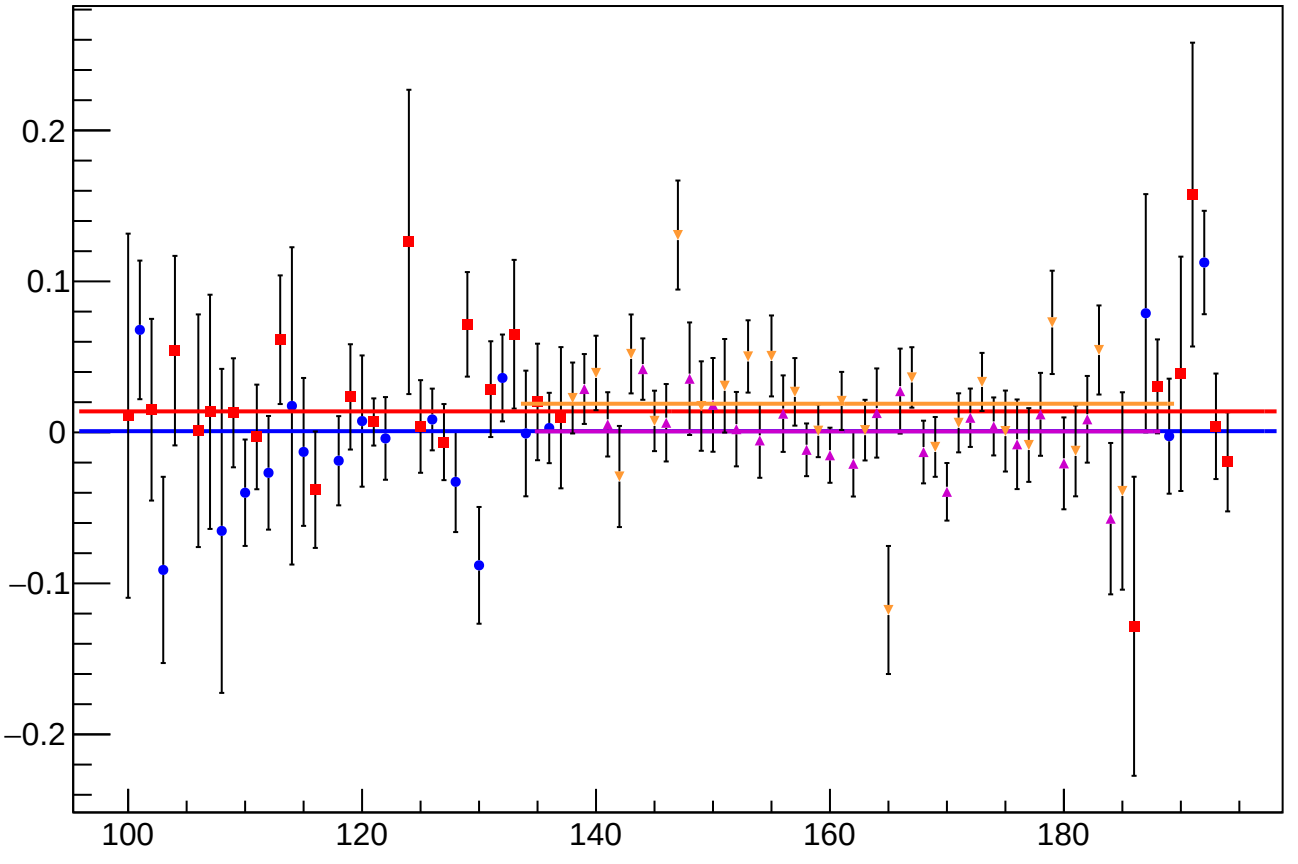
Right Out: 21.862+/-0.005 χ^2/NDF: 3564090.7/24

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.135+/-0.003 χ^2/NDF: 3301099.9/43

All: 20.998+/-0.002 χ^2/NDF: 8094649.7/91

- sign 20.865+/-0.003 χ^2/NDF: 4789316.5/47



Right In: 0.001+/-0.008 χ^2/NDF: 26.8/18

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

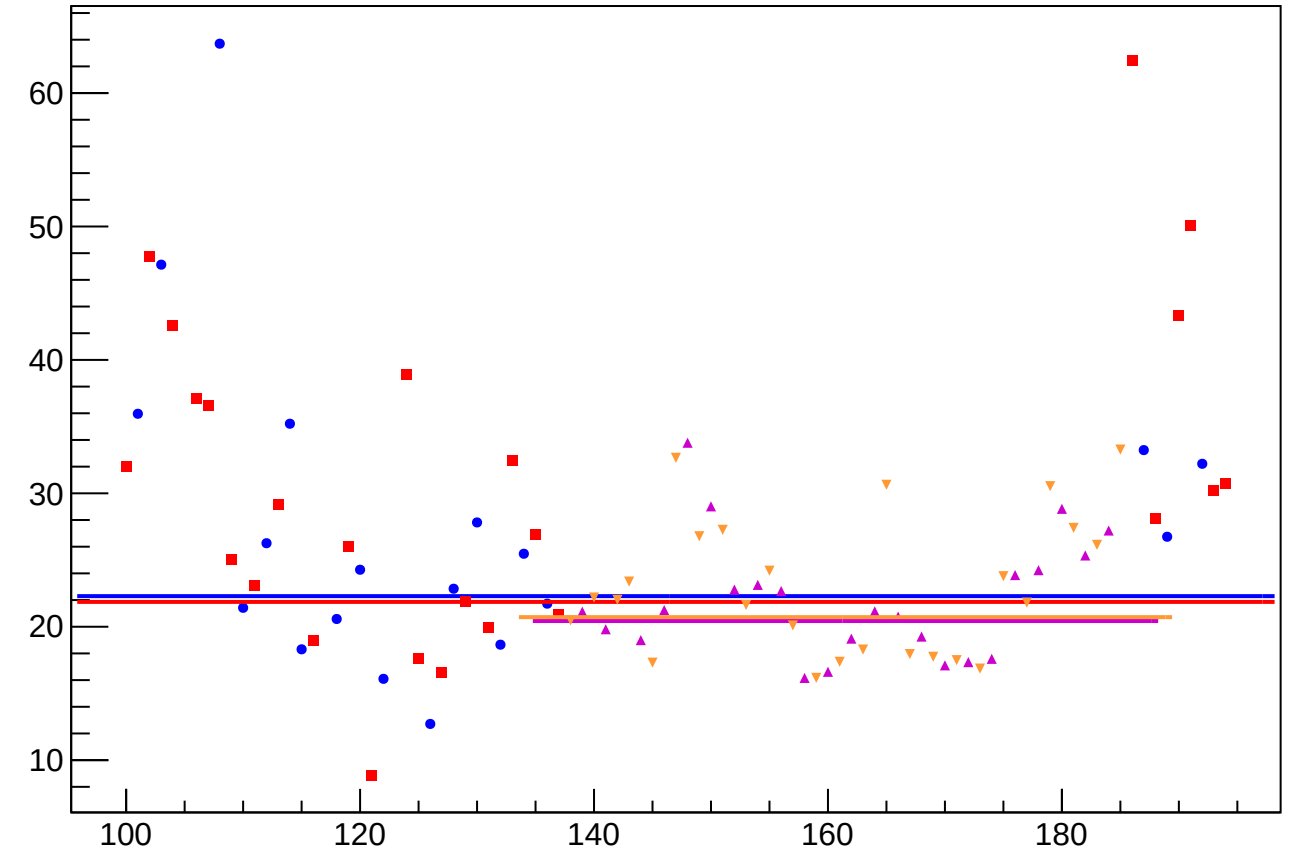
Right Out: 0.014+/-0.007 χ^2/NDF: 15.7/24

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 71.6/43

All: 0.009+/-0.003 χ^2/NDF: 109.8/91

- sign 0.005+/-0.004 χ^2/NDF: 35.6/47



Right In: 22.293+/-0.006 χ^2/NDF: 1739394.0/18

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

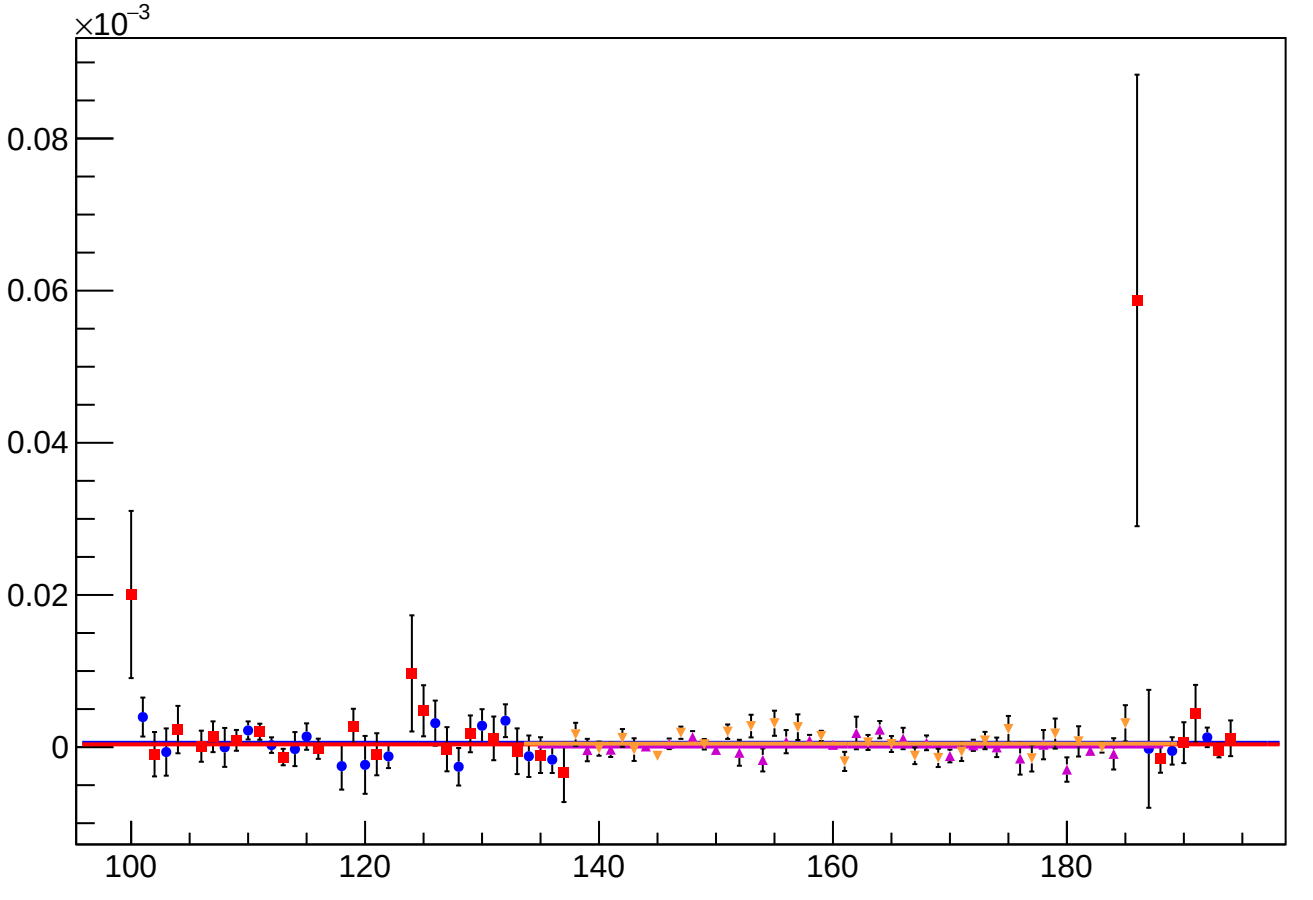
Right Out: 21.862+/-0.005 χ^2/NDF: 3564090.7/24

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.135+/-0.003 χ^2/NDF: 3301099.9/43

All: 20.998+/-0.002 χ^2/NDF: 8094649.7/91

- sign 20.865+/-0.003 χ^2/NDF: 4789316.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

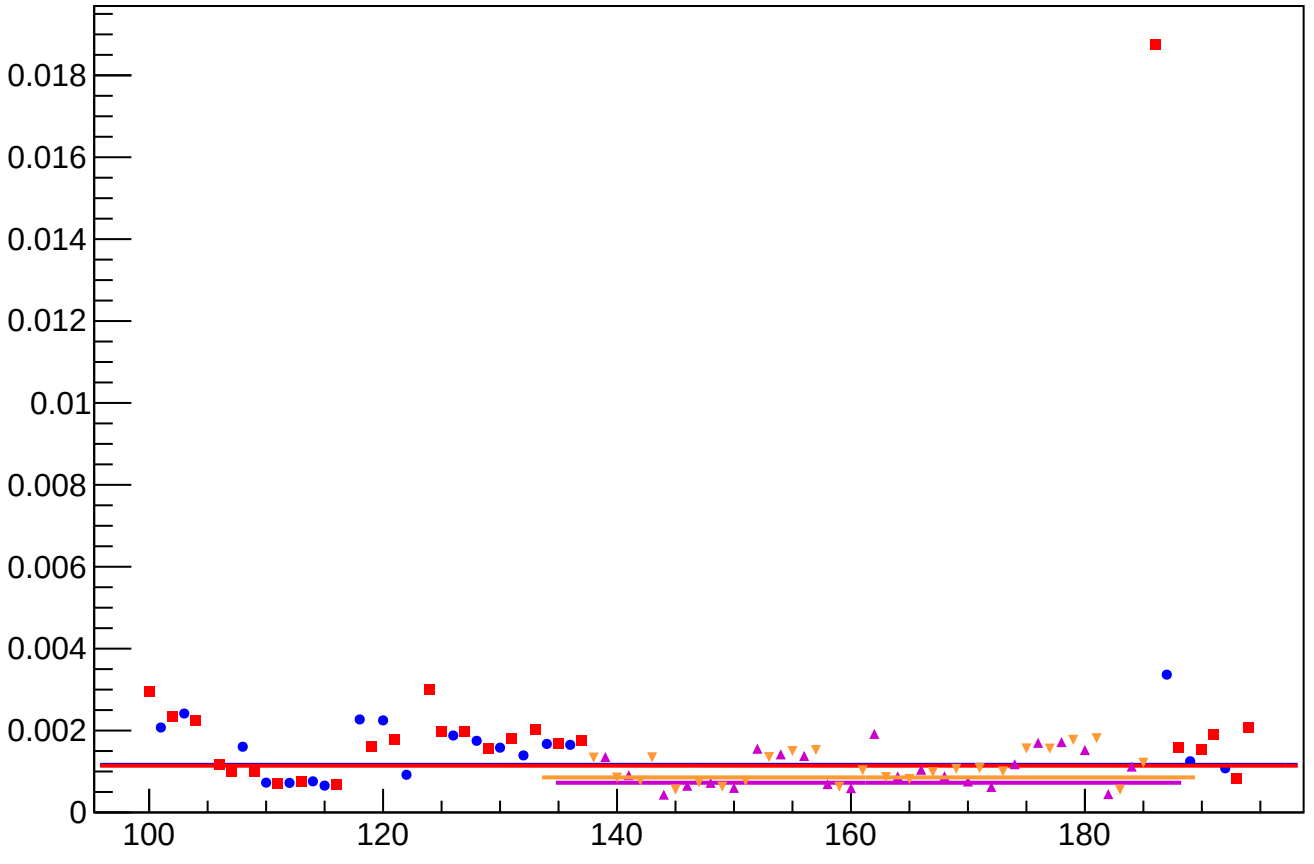
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/24

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/43

All: 0.000+/-0.000 χ^2/NDF: 96.1/91

- sign 0.000+/-0.000 χ^2/NDF: 42.3/47



Right In: 0.001+/-0.000 χ^2/NDF: 2709833.8/18

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

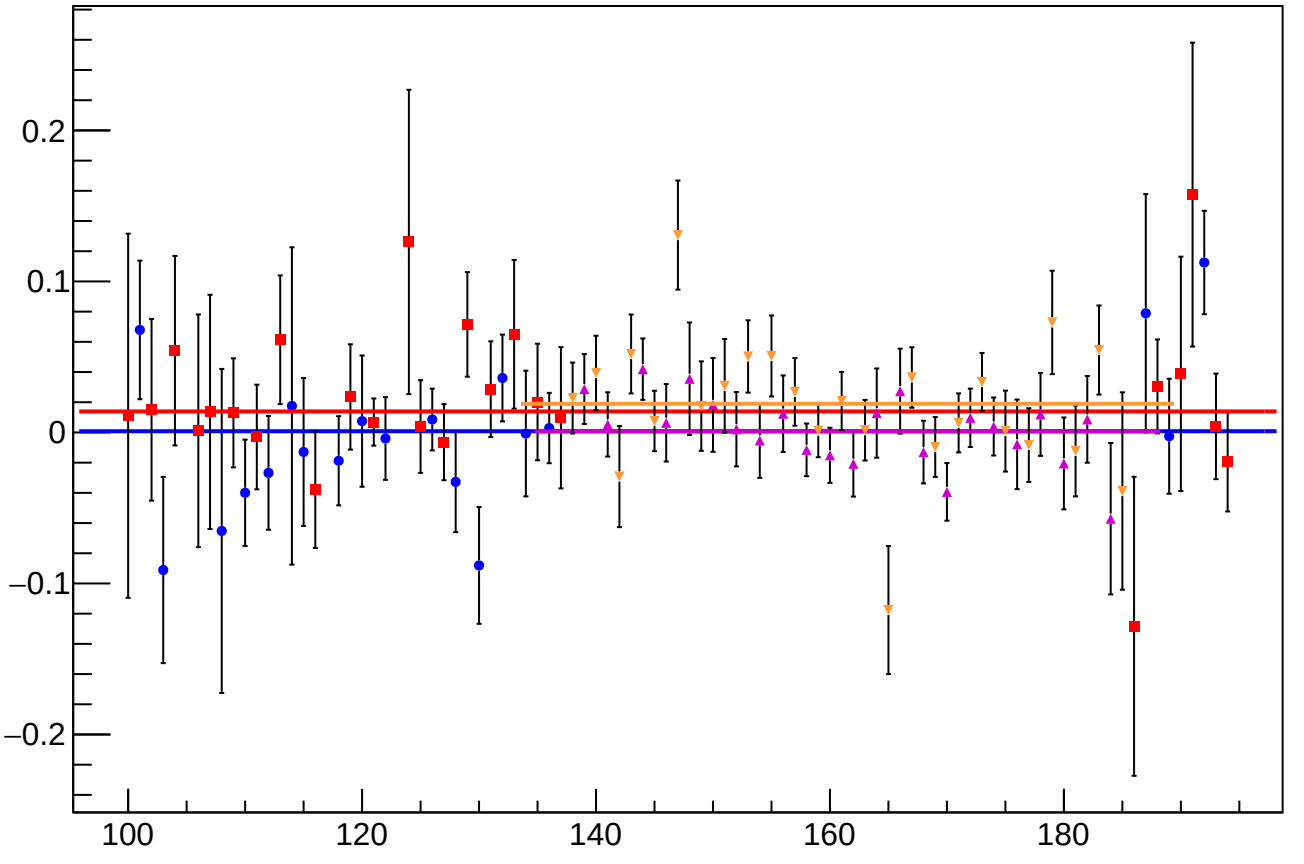
Right Out: 0.001+/-0.000 χ^2/NDF: 4108028.4/24

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 7955053.2/43

All: 0.001+/-0.000 χ^2/NDF: 20103995.7/91

- sign 0.001+/-0.000 χ^2/NDF: 11763367.6/47



Right In: 0.001+/-0.008 χ^2/NDF: 26.8/18

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

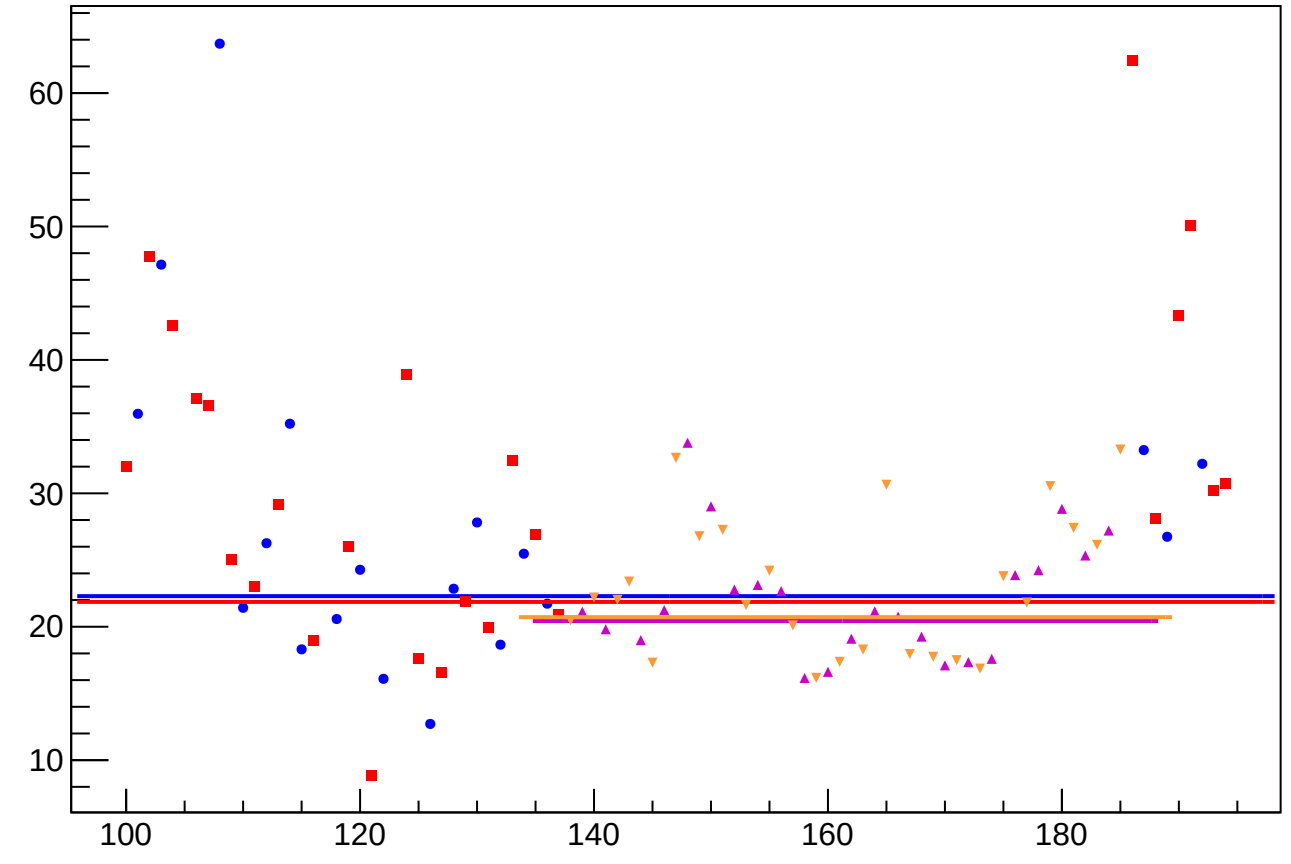
Right Out: 0.014+/-0.007 χ^2/NDF: 15.7/24

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 71.6/43

All: 0.009+/-0.003 χ^2/NDF: 109.8/91

- sign 0.005+/-0.004 χ^2/NDF: 35.6/47



Right In: 22.294+/-0.006 χ^2/NDF: 1739228.4/18

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

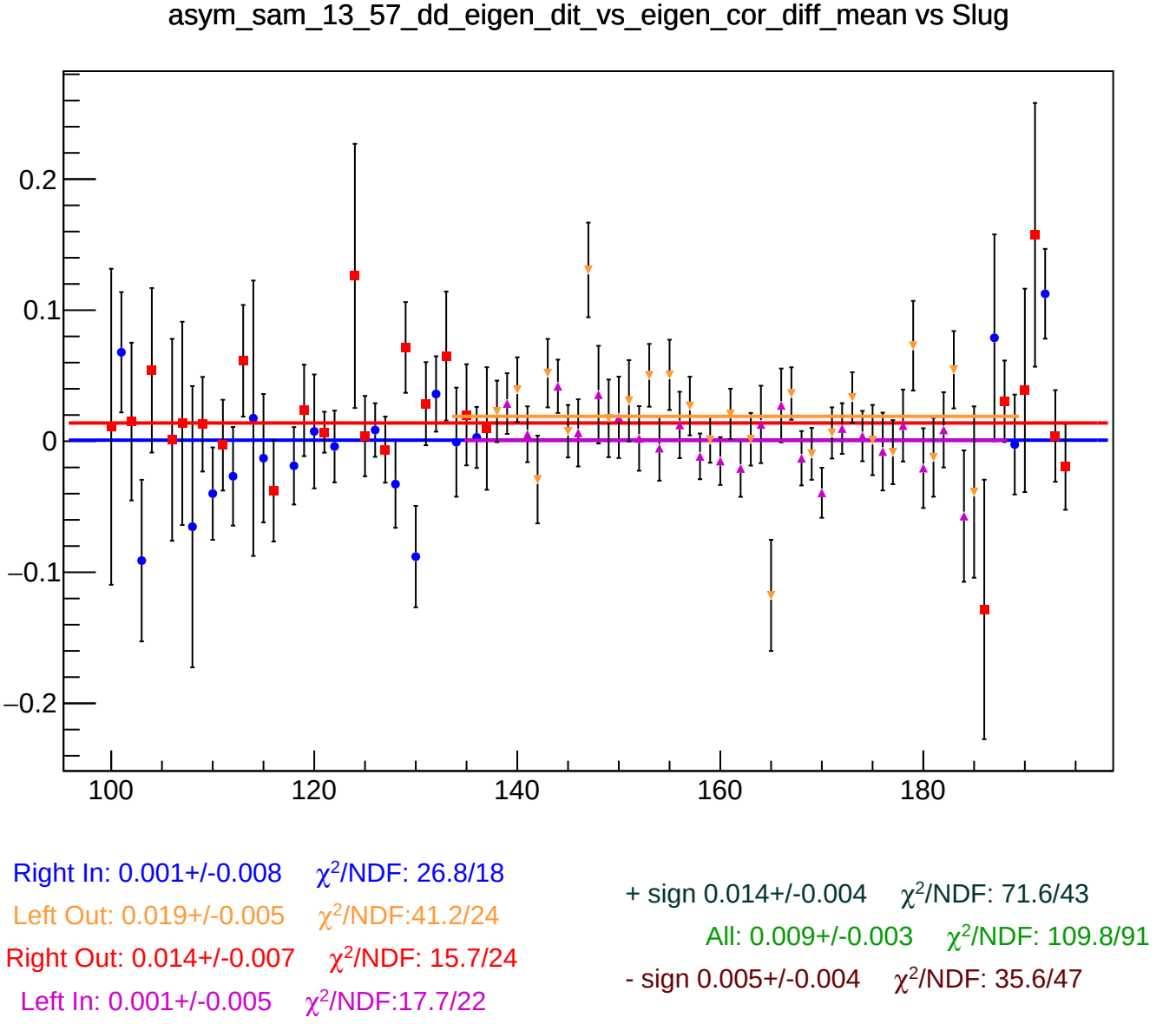
Right Out: 21.863+/-0.005 χ^2/NDF: 3563603.2/24

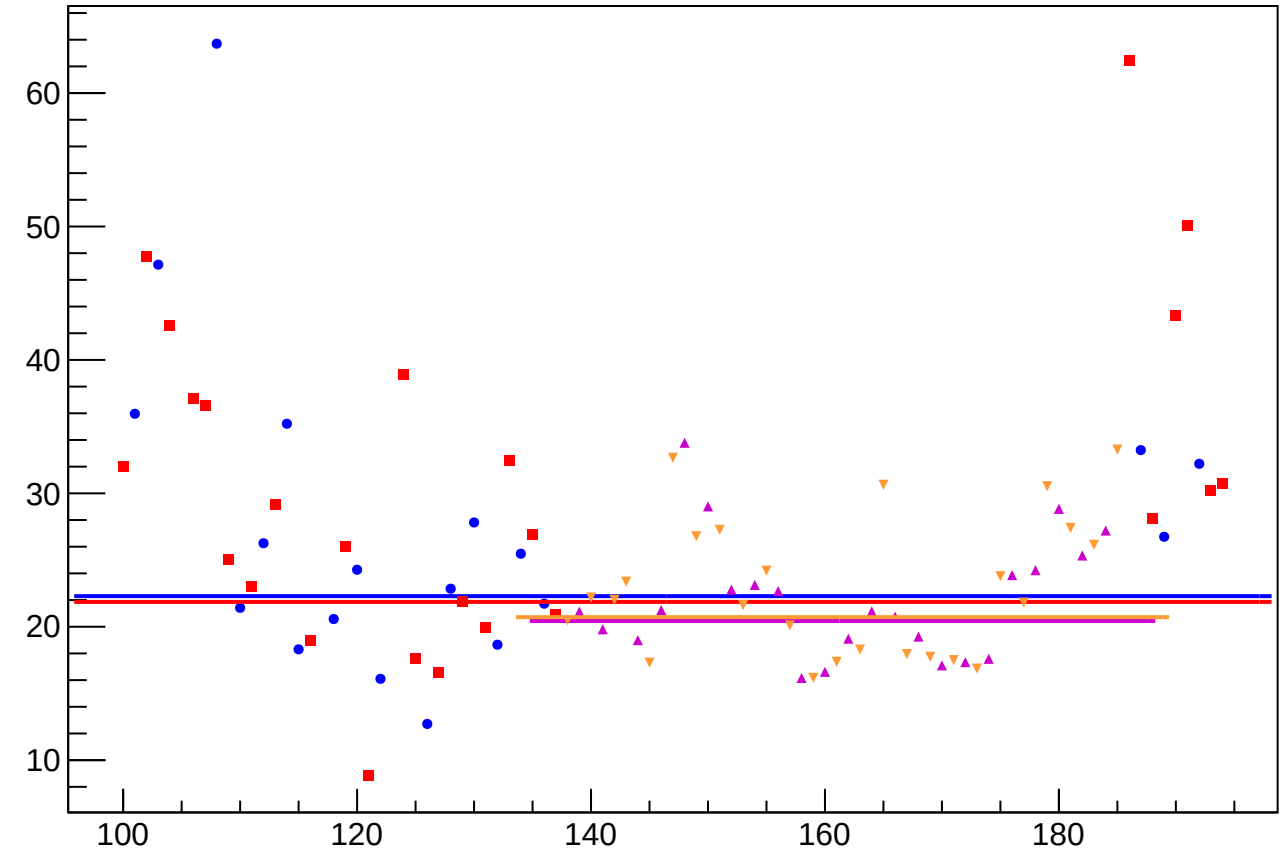
Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

\+ sign 21.135+/-0.003 χ^2/NDF: 3301060.5/43

All: 20.998+/-0.002 χ^2/NDF: 8094204.5/91

\- sign 20.865+/-0.003 χ^2/NDF: 4788915.9/47


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: 0.014+/-0.007 χ²/NDF: 15.7/24
Left In: 0.001+/-0.005 χ²/NDF:17.7/22
+ sign 0.014+/-0.004 χ²/NDF: 71.6/43
All: 0.009+/-0.003 χ²/NDF: 109.8/91
- sign 0.005+/-0.004 χ²/NDF: 35.6/47



Right In: 22.294+/-0.006 χ^2/NDF: 1739228.4/18

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

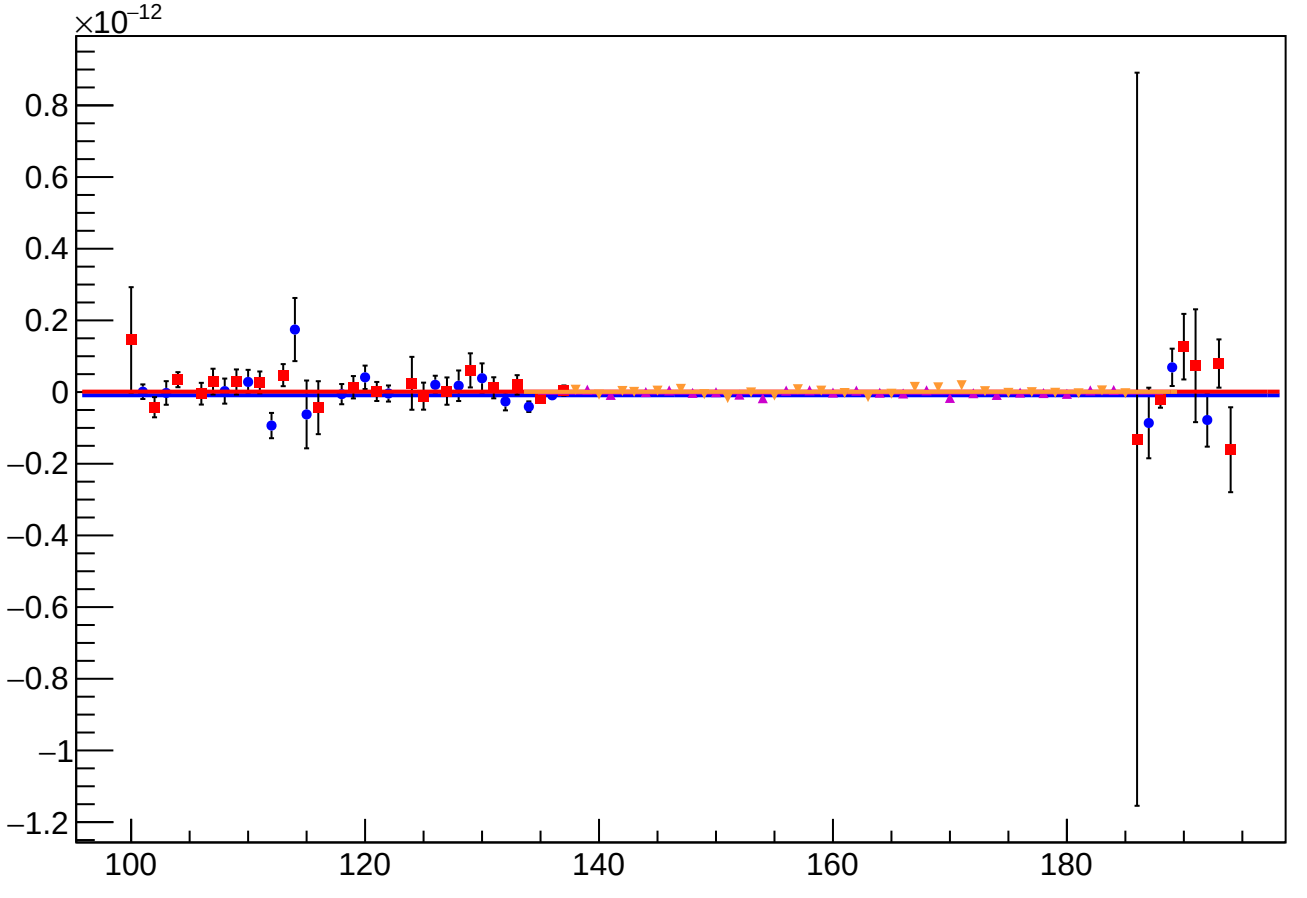
Right Out: 21.863+/-0.005 χ^2/NDF: 3563603.2/24

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

\+ sign 21.135+/-0.003 χ^2/NDF: 3301060.5/43

All: 20.998+/-0.002 χ^2/NDF: 8094204.5/91

\- sign 20.865+/-0.003 χ^2/NDF: 4788915.9/47



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

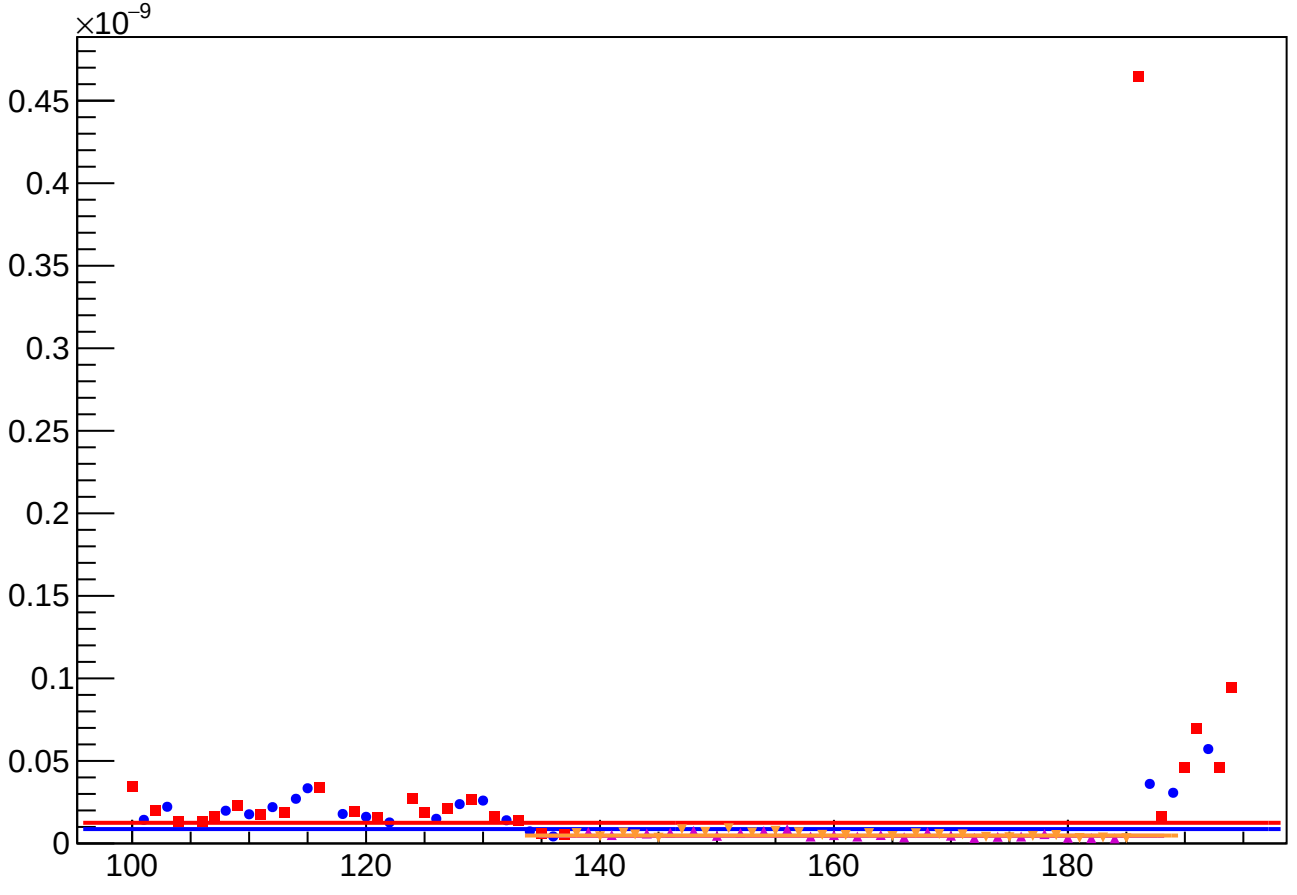
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/24

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.5/43

All: -0.000+/-0.000 χ^2/NDF: 104.1/91

- sign -0.000+/-0.000 χ^2/NDF: 44.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 5107787.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5102082.8/24

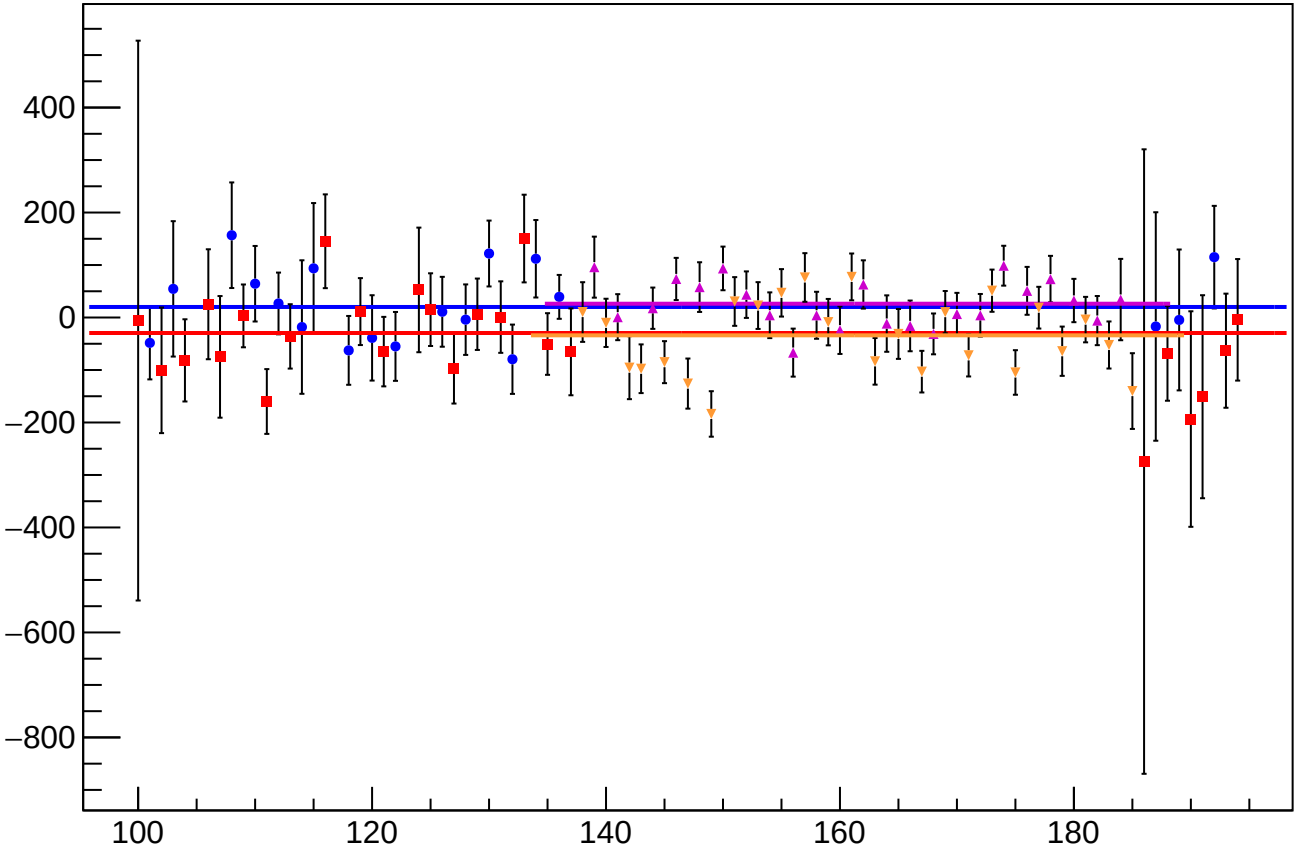
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8640238.0/43

All: 0.000+/-0.000 χ^2/NDF: 19577077.7/91

- sign 0.000+/-0.000 χ^2/NDF: 10934871.2/47

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 20.076+/-17.006 χ^2/NDF: 15.0/18

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -29.513+/-16.525 χ^2/NDF: 19.4/24

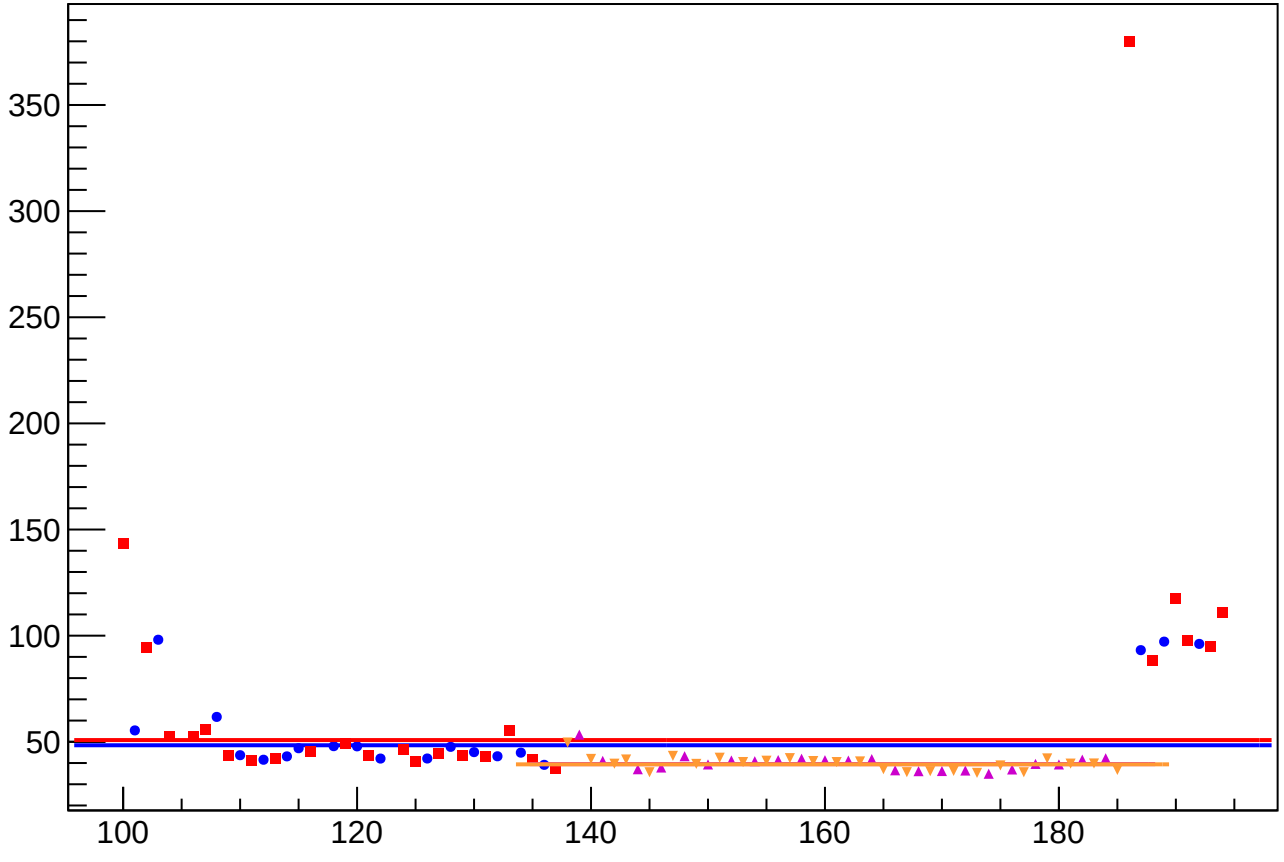
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -22.147+/-7.950 χ^2/NDF: 81.6/43

All: -4.914+/-5.669 χ^2/NDF: 141.7/91

- sign 12.911+/-8.086 χ^2/NDF: 50.6/47

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

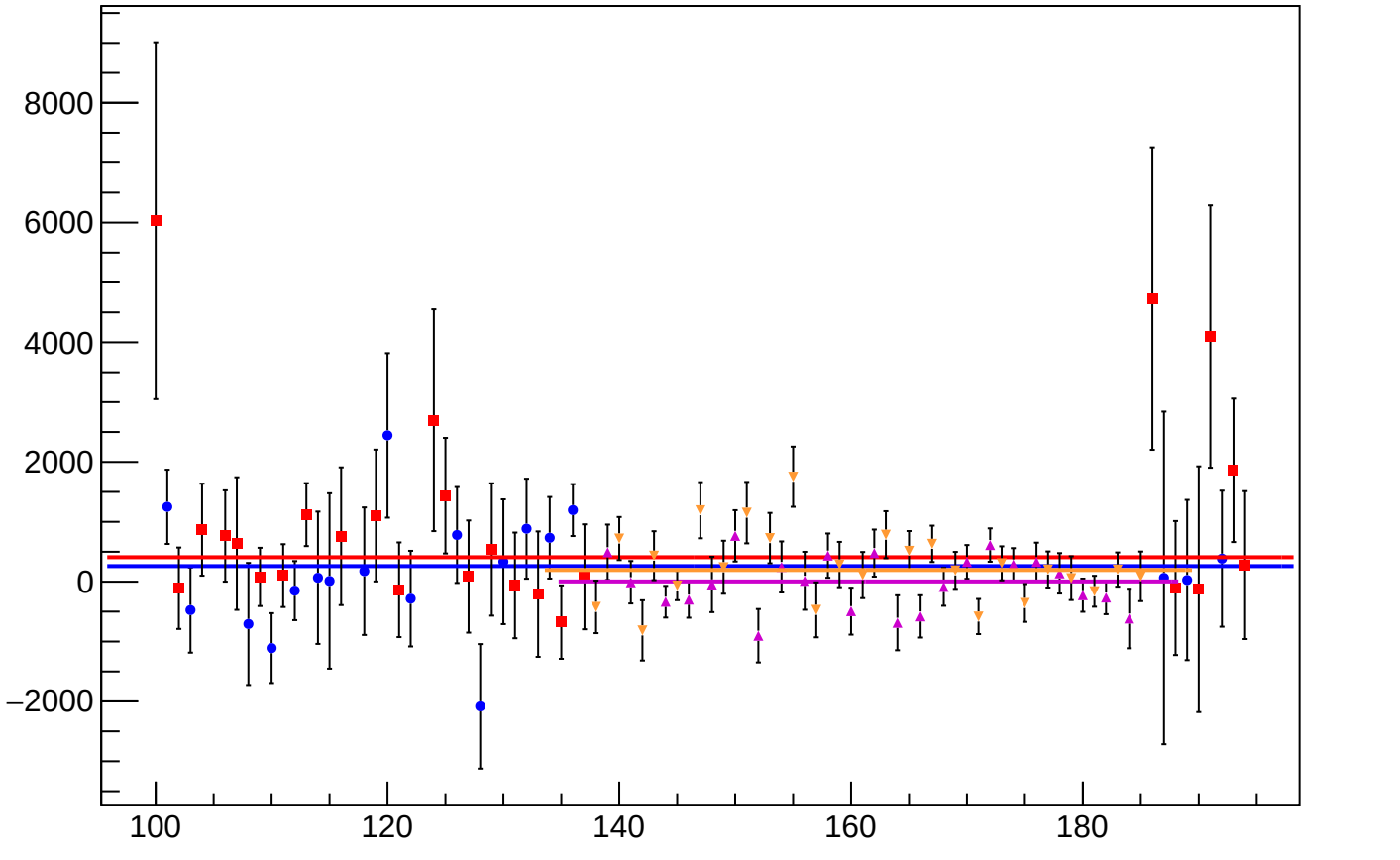
Right Out: 50.817+/-0.012 χ^2/NDF: 2848325.4/24

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.347+/-0.006 χ^2/NDF: 2039660.7/43

All: 41.767+/-0.004 χ^2/NDF: 5865756.8/91

- sign 42.203+/-0.006 χ^2/NDF: 3814700.9/47



Right In: 259.926+/-180.735 χ^2/NDF: 25.0/18

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: 408.477+/-173.077 χ^2/NDF: 22.5/24

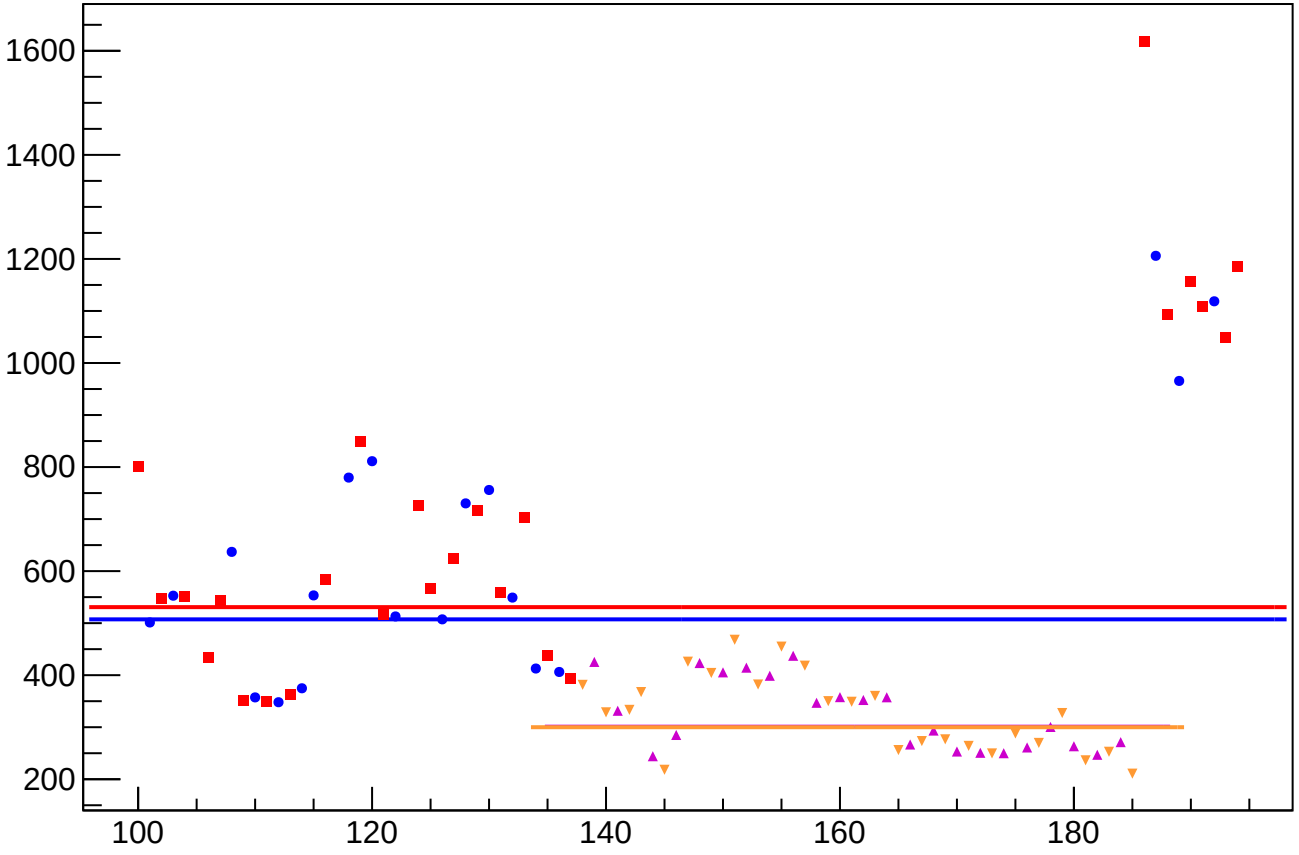
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 203.514+/-65.350 χ^2/NDF: 73.7/43

All: 134.765+/-46.598 χ^2/NDF: 135.6/91

- sign 63.657+/-66.462 χ^2/NDF: 59.6/47

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: 530.782+/-0.122 χ^2/NDF: 3327988.8/24

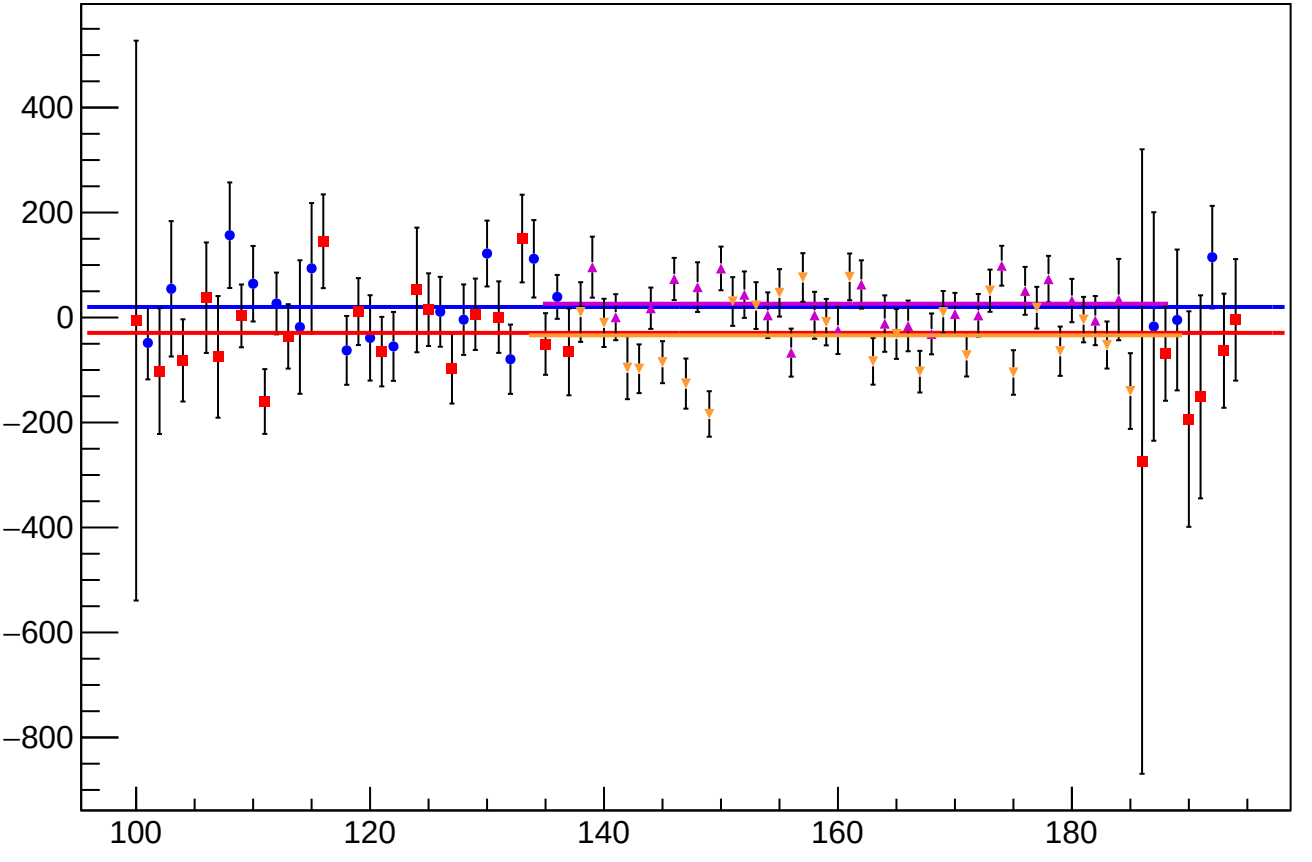
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 327.081+/-0.046 χ^2/NDF: 6034165.0/43

All: 330.916+/-0.033 χ^2/NDF: 13788771.6/91

- sign 334.883+/-0.047 χ^2/NDF: 7740591.2/47

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: -29.248+/-16.527 χ^2/NDF: 19.6/24

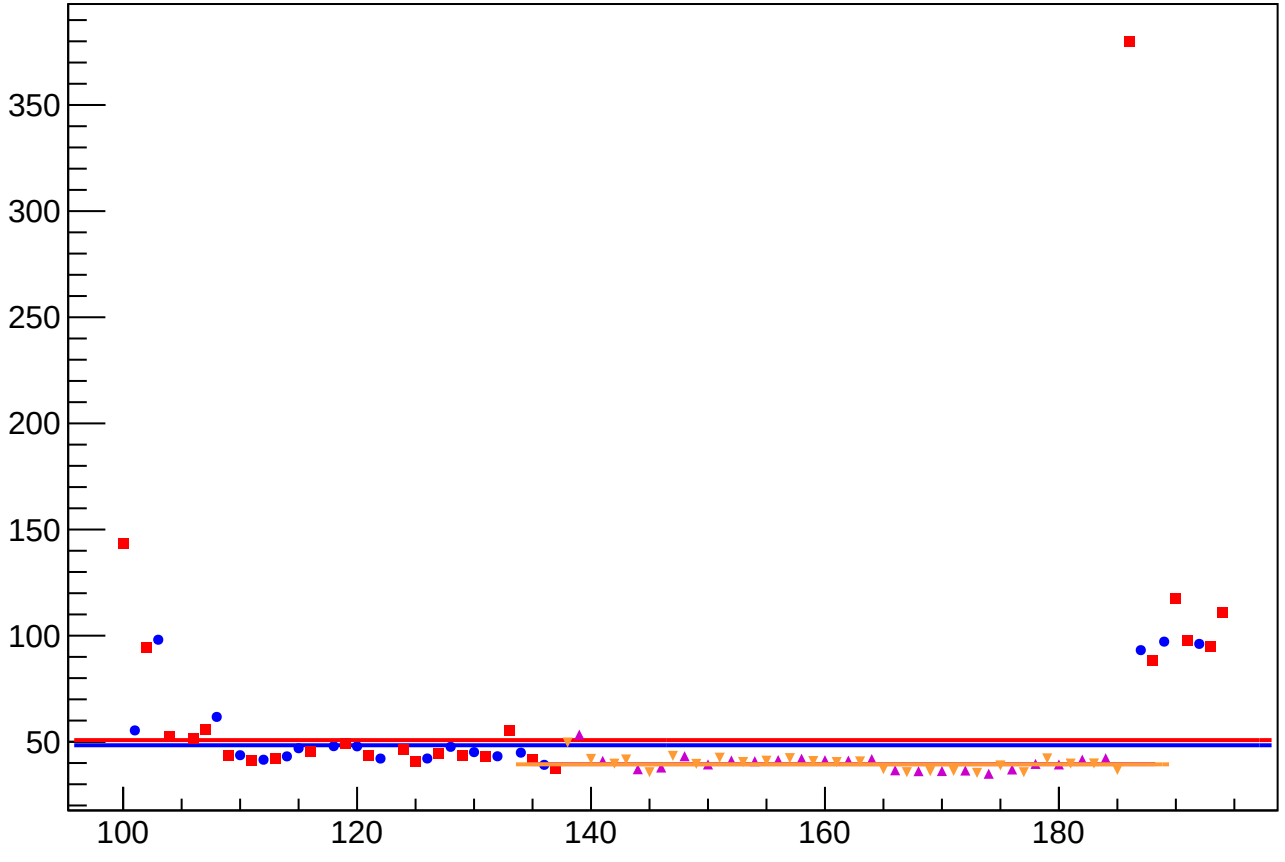
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -22.145+/-7.950 χ^2/NDF: 81.6/43

All: -4.881+/-5.669 χ^2/NDF: 141.8/91

- sign 12.978+/-8.086 χ^2/NDF: 50.6/47

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

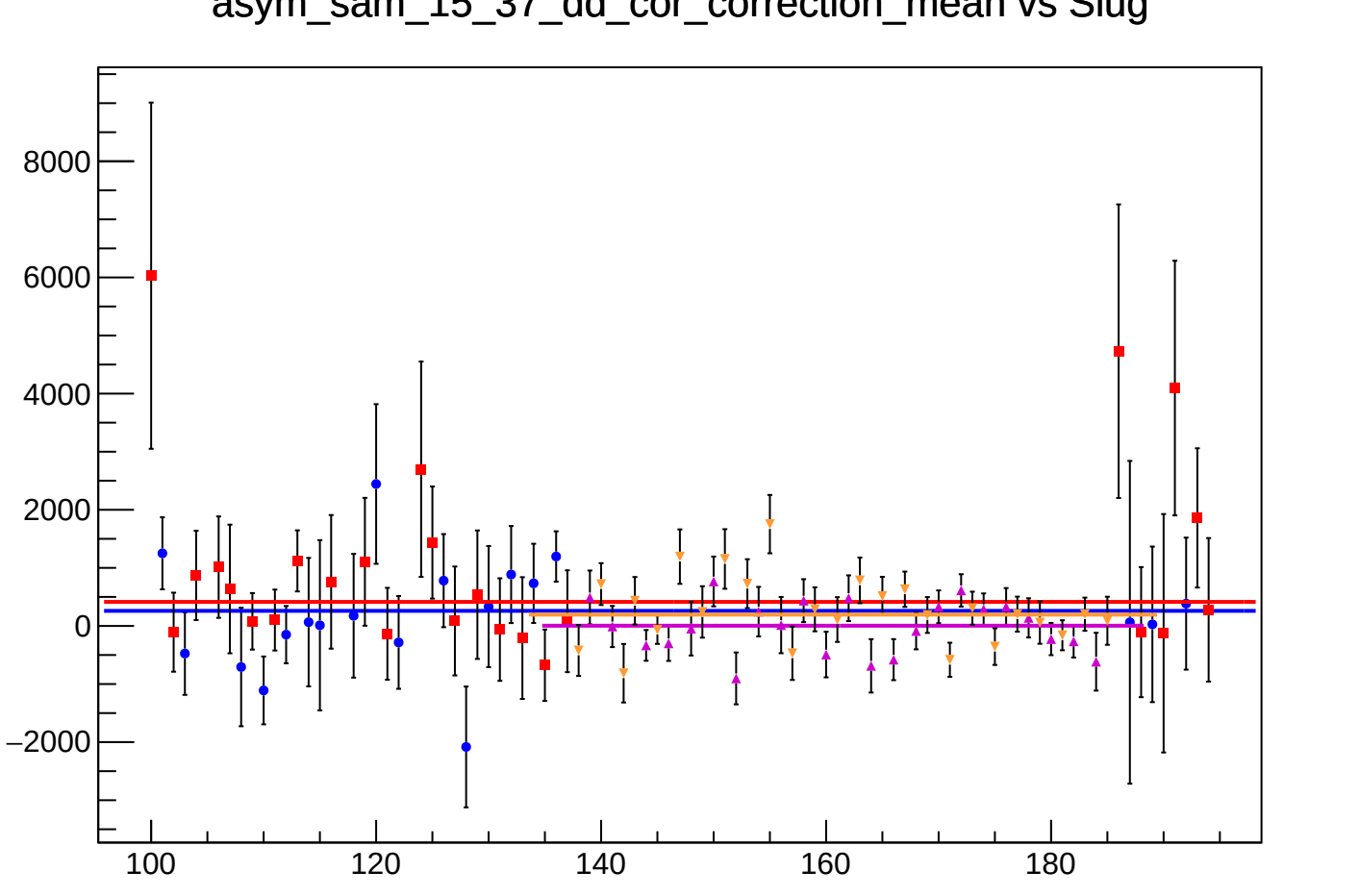
Right Out: 50.796+/-0.012 χ^2/NDF: 2848174.5/24

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.347+/-0.006 χ^2/NDF: 2039663.6/43

All: 41.765+/-0.004 χ^2/NDF: 5862752.0/91

- sign 42.197+/-0.006 χ^2/NDF: 3811836.7/47



Right In: 259.930+/-180.736 χ^2/NDF: 25.0/18

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 414.281+/-174.149 χ^2/NDF: 22.8/24

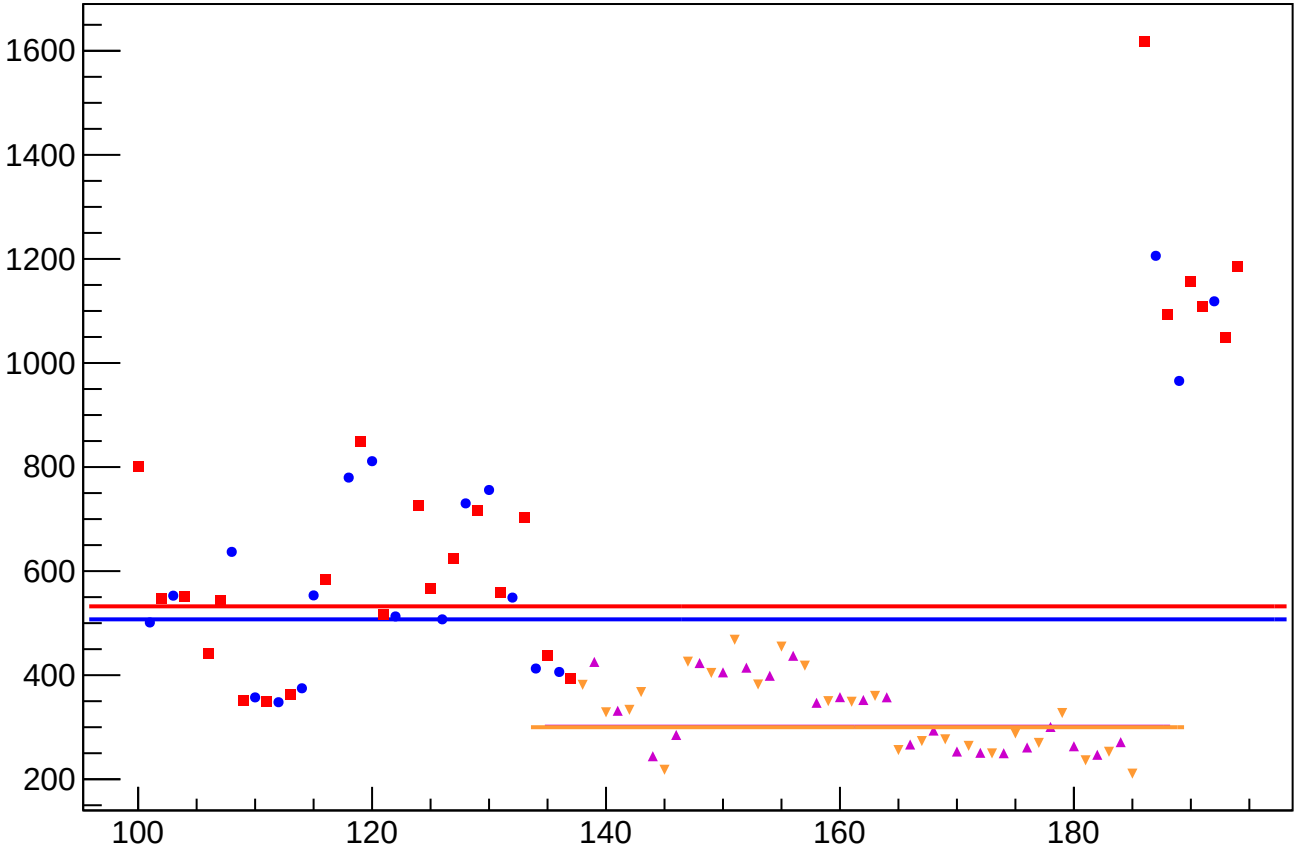
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 203.514+/-65.350 χ^2/NDF: 73.7/43

All: 134.937+/-46.619 χ^2/NDF: 135.9/91

- sign 63.878+/-66.522 χ^2/NDF: 59.9/47

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: 532.289+/-0.123 χ^2/NDF: 3316738.3/24

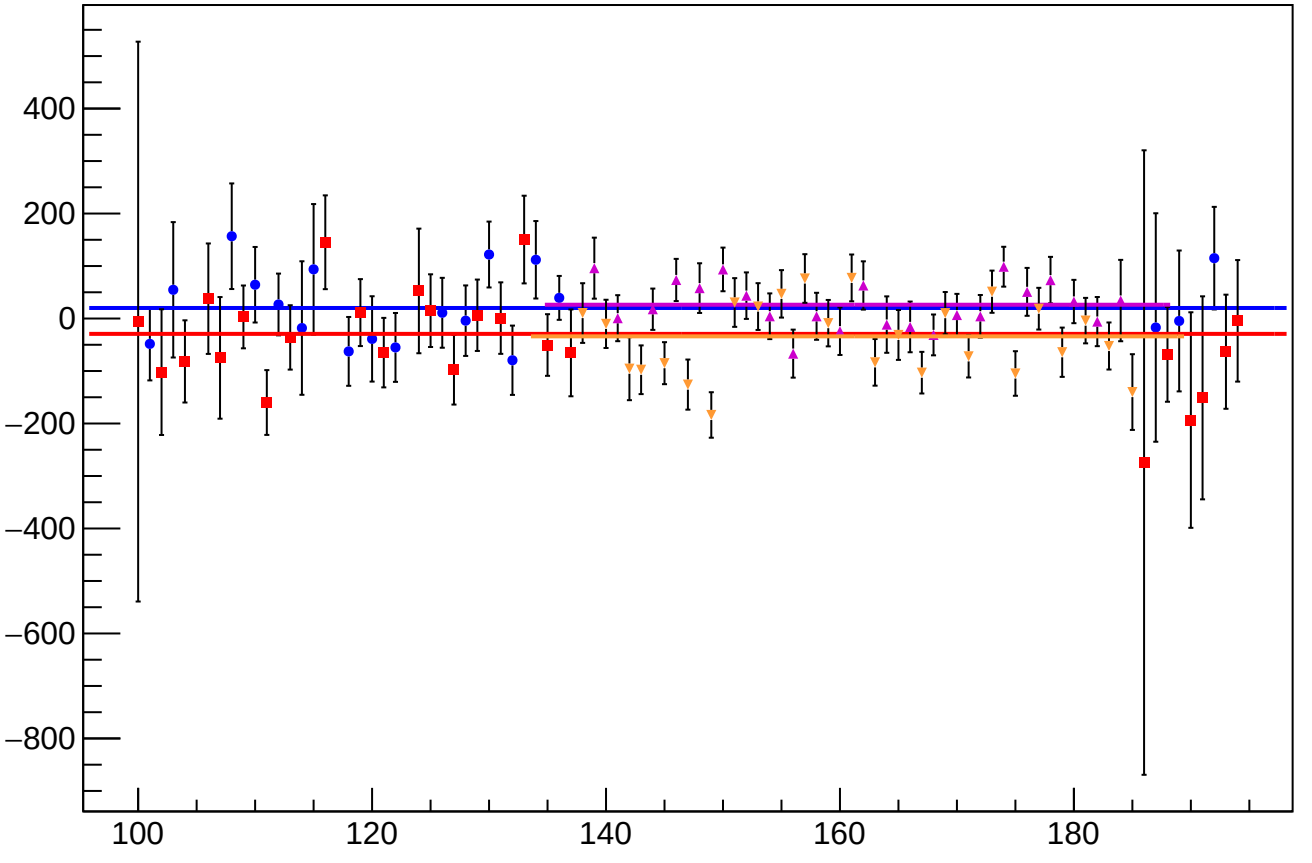
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 327.081+/-0.046 χ^2/NDF: 6034208.9/43

All: 330.846+/-0.033 χ^2/NDF: 13784701.5/91

- sign 334.748+/-0.047 χ^2/NDF: 7736972.6/47

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: -29.248+/-16.527 χ^2/NDF: 19.6/24

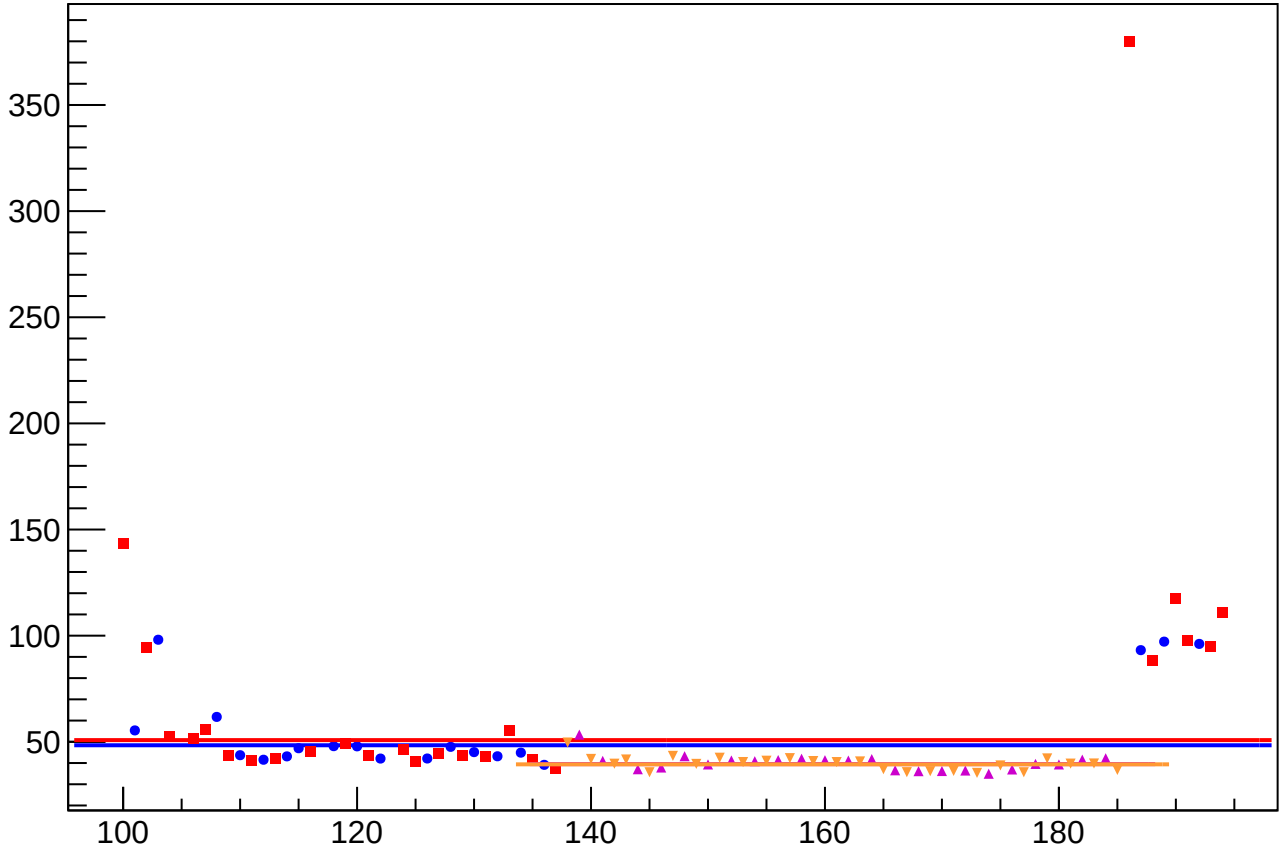
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -22.145+/-7.950 χ^2/NDF: 81.6/43

All: -4.881+/-5.669 χ^2/NDF: 141.8/91

- sign 12.978+/-8.086 χ^2/NDF: 50.6/47

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

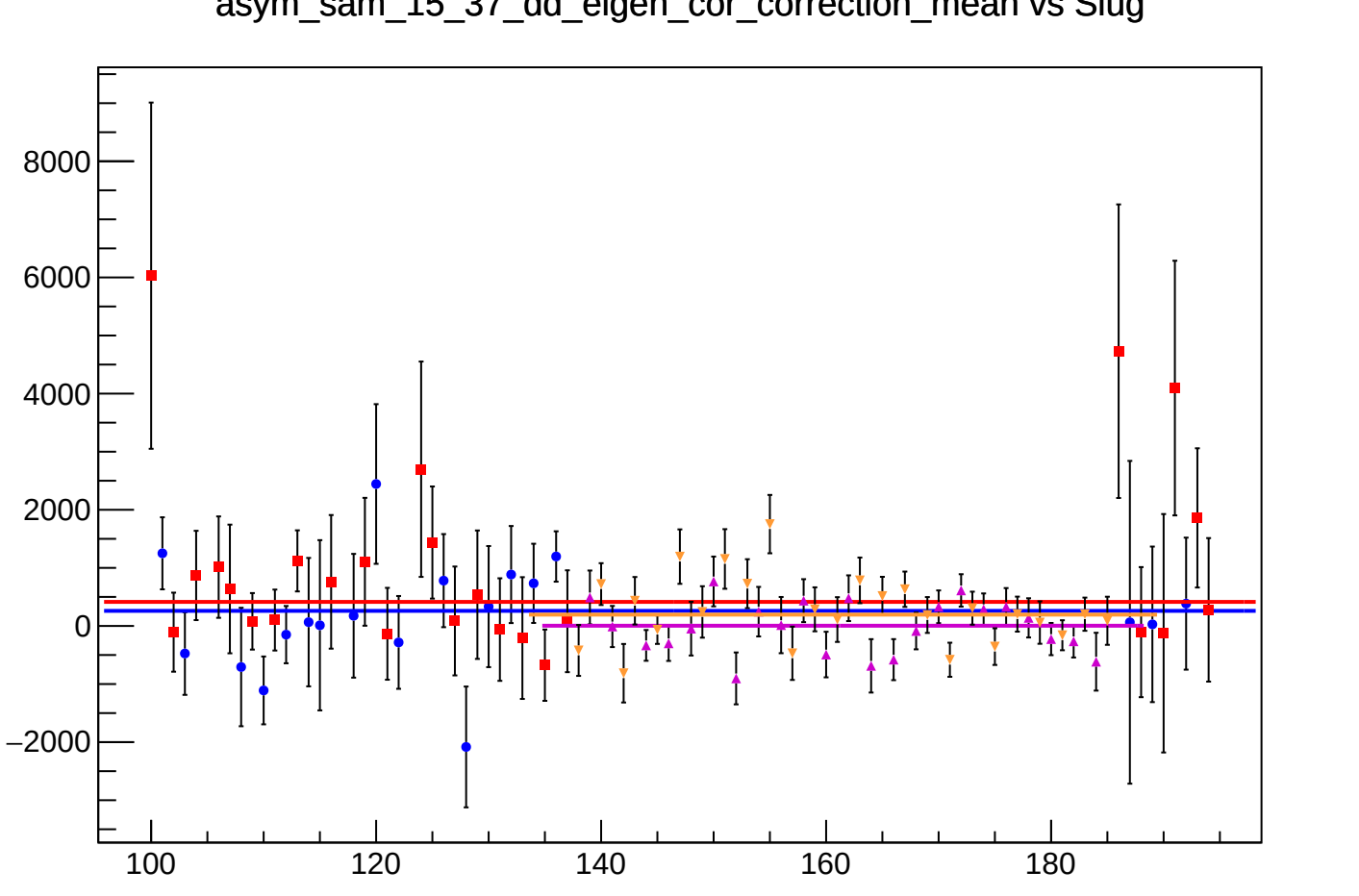
Right Out: 50.796+/-0.012 χ^2/NDF: 2848174.5/24

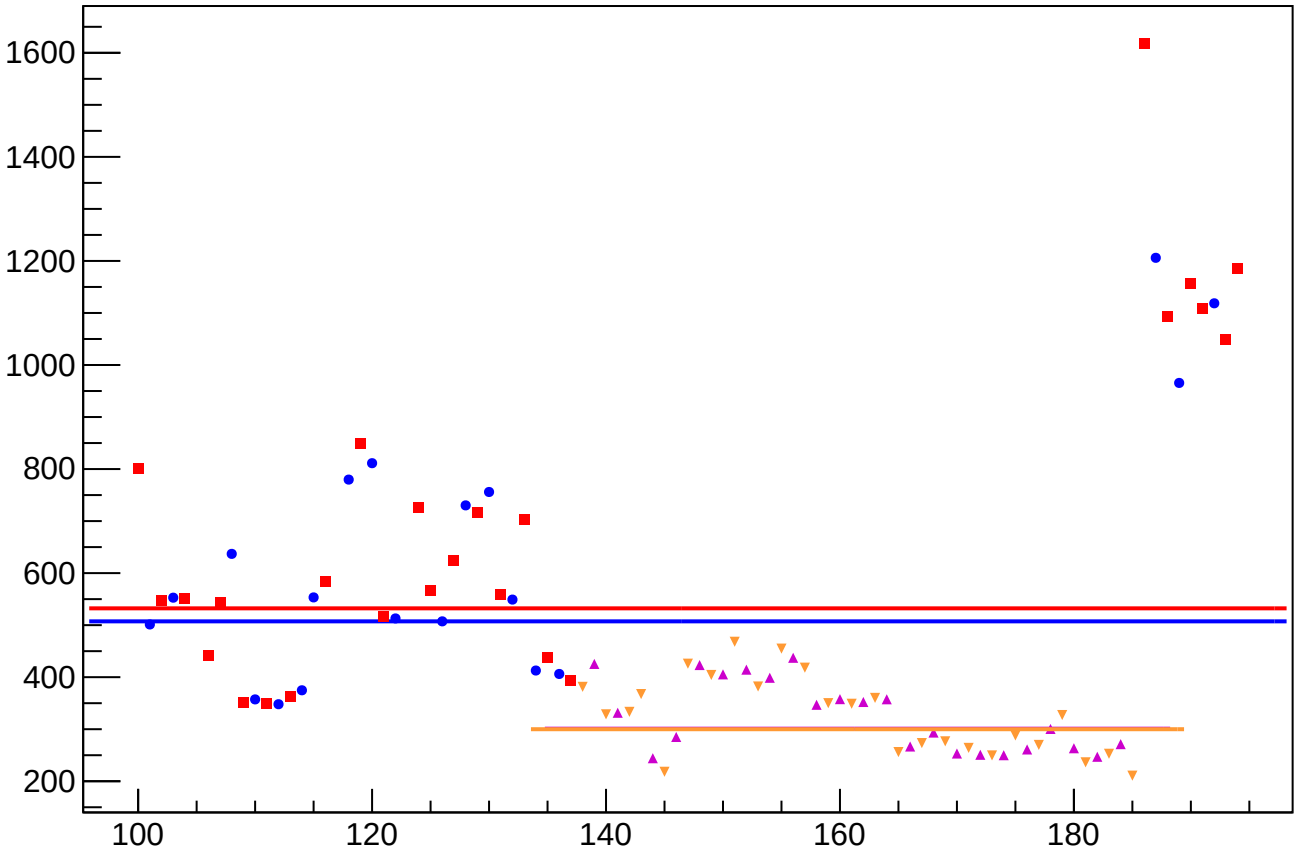
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 41.347+/-0.006 χ^2/NDF: 2039663.6/43

All: 41.765+/-0.004 χ^2/NDF: 5862752.0/91

- sign 42.197+/-0.006 χ^2/NDF: 3811836.7/47


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: 414.281+/-174.149 χ²/NDF: 22.8/24
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 203.514+/-65.350 χ²/NDF: 73.7/43
All: 134.937+/-46.619 χ²/NDF: 135.9/91
- sign 63.878+/-66.522 χ²/NDF: 59.9/47



Right In: 507.291+/-0.128 χ^2/NDF: 1938304.7/18

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 532.289+/-0.123 χ^2/NDF: 3316738.3/24

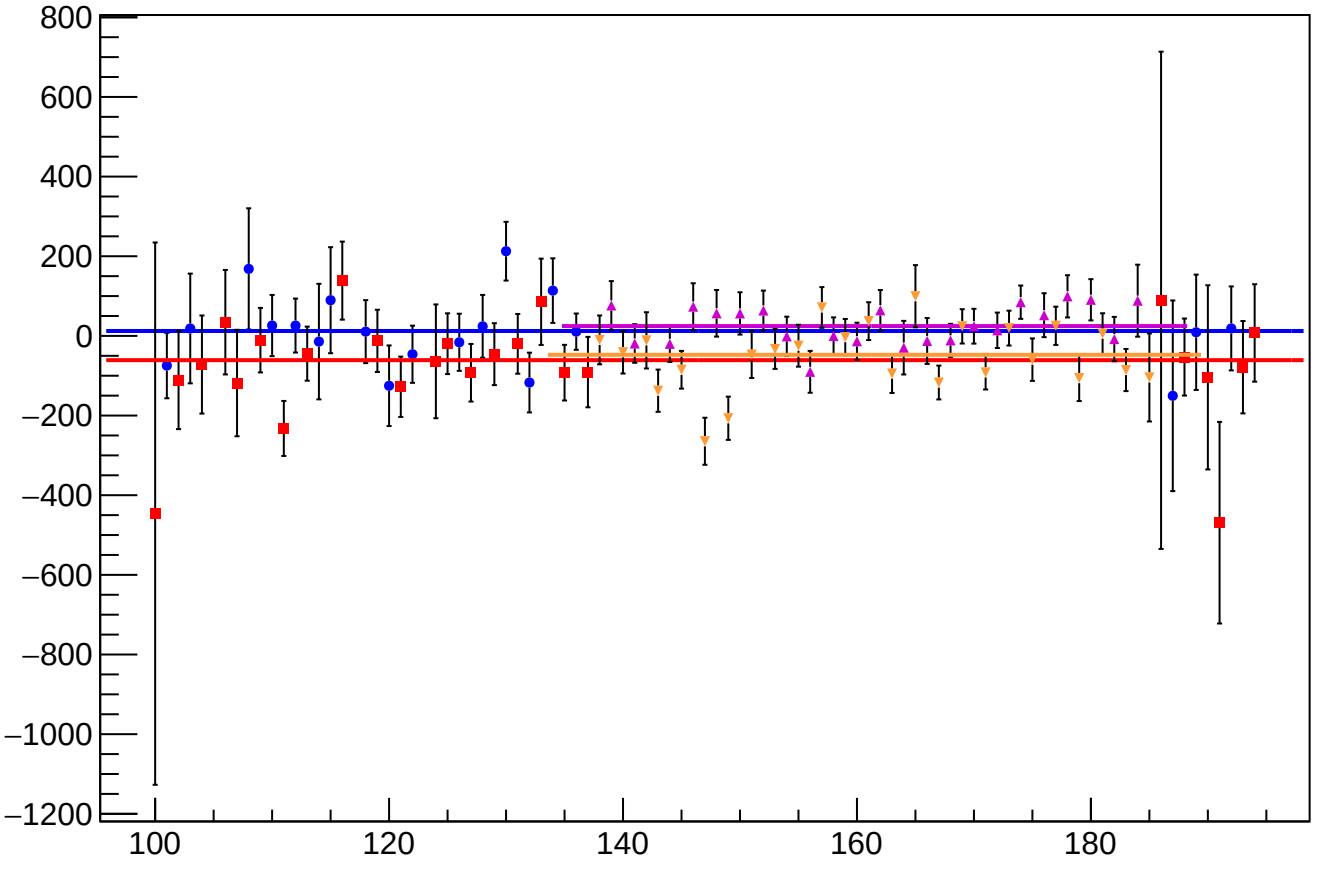
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 327.081+/-0.046 χ^2/NDF: 6034208.9/43

All: 330.846+/-0.033 χ^2/NDF: 13784701.5/91

- sign 334.748+/-0.047 χ^2/NDF: 7736972.6/47

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: -60.915+/-19.148 χ^2/NDF: 19.1/24

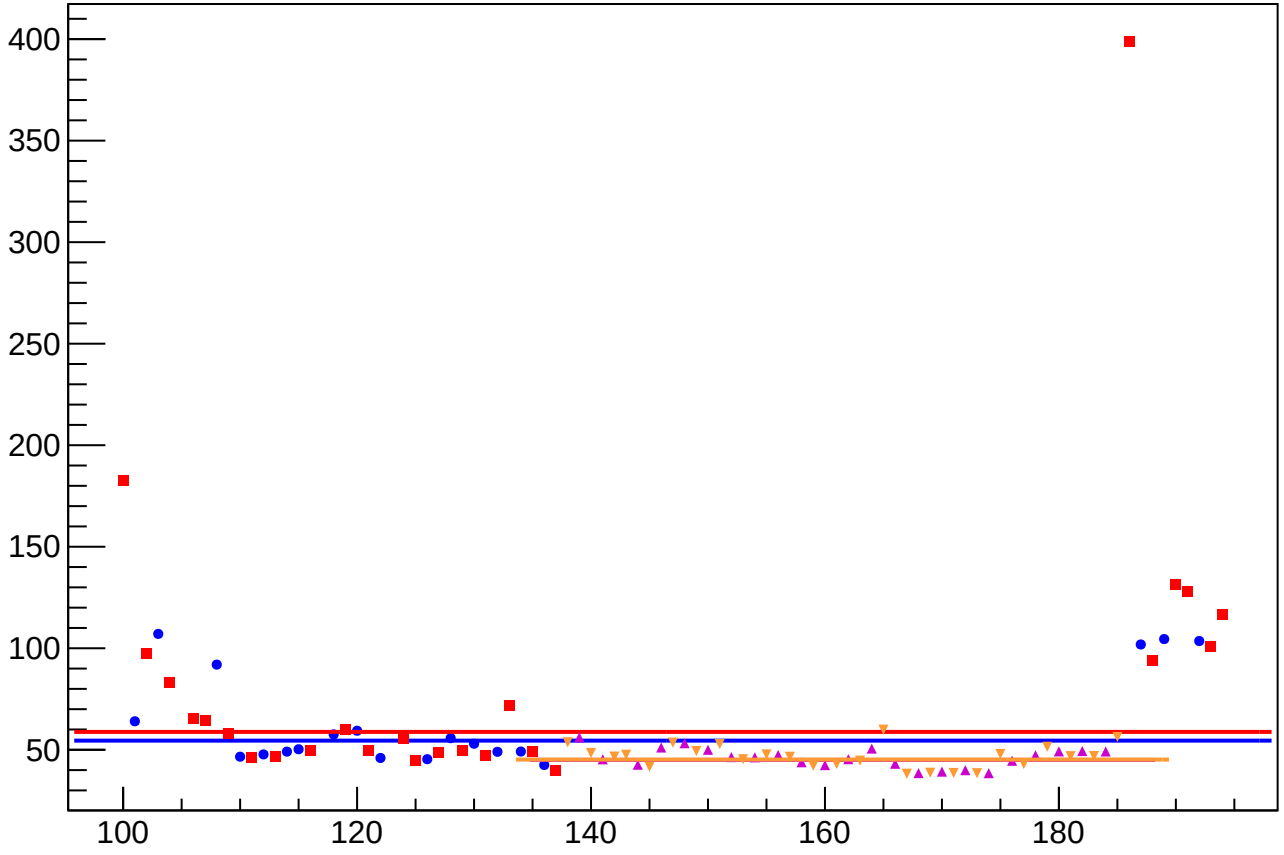
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.006+/-9.147 χ^2/NDF: 79.8/43

All: -15.135+/-6.526 χ^2/NDF: 142.6/91

- sign 4.433+/-9.314 χ^2/NDF: 54.1/47

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: 58.811+/-0.014 χ^2/NDF: 2796088.0/24

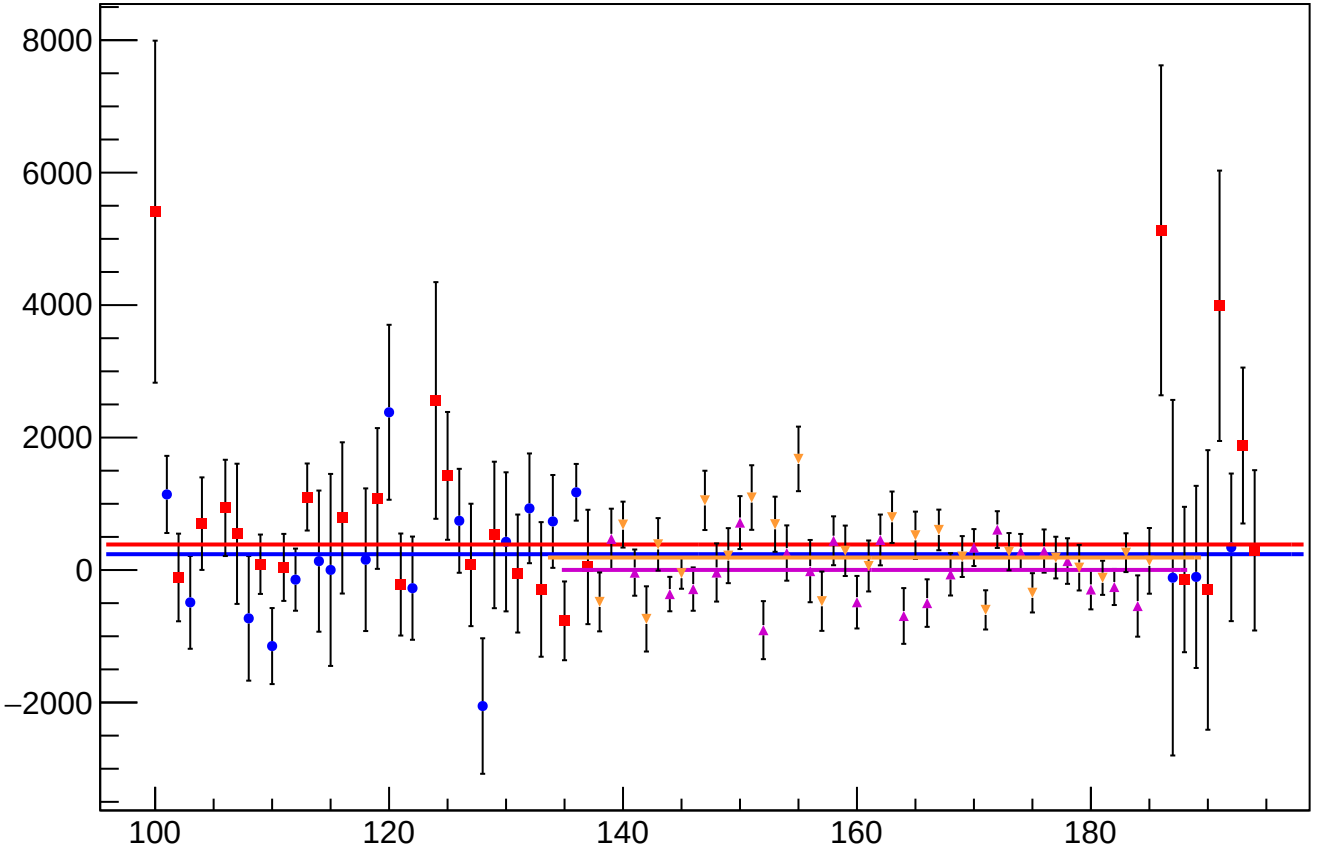
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 47.278+/-0.006 χ^2/NDF: 2316202.4/43

All: 47.771+/-0.005 χ^2/NDF: 6289171.5/91

- sign 48.281+/-0.007 χ^2/NDF: 3961164.8/47

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: 385.574+/-166.598 χ^2/NDF: 25.3/24

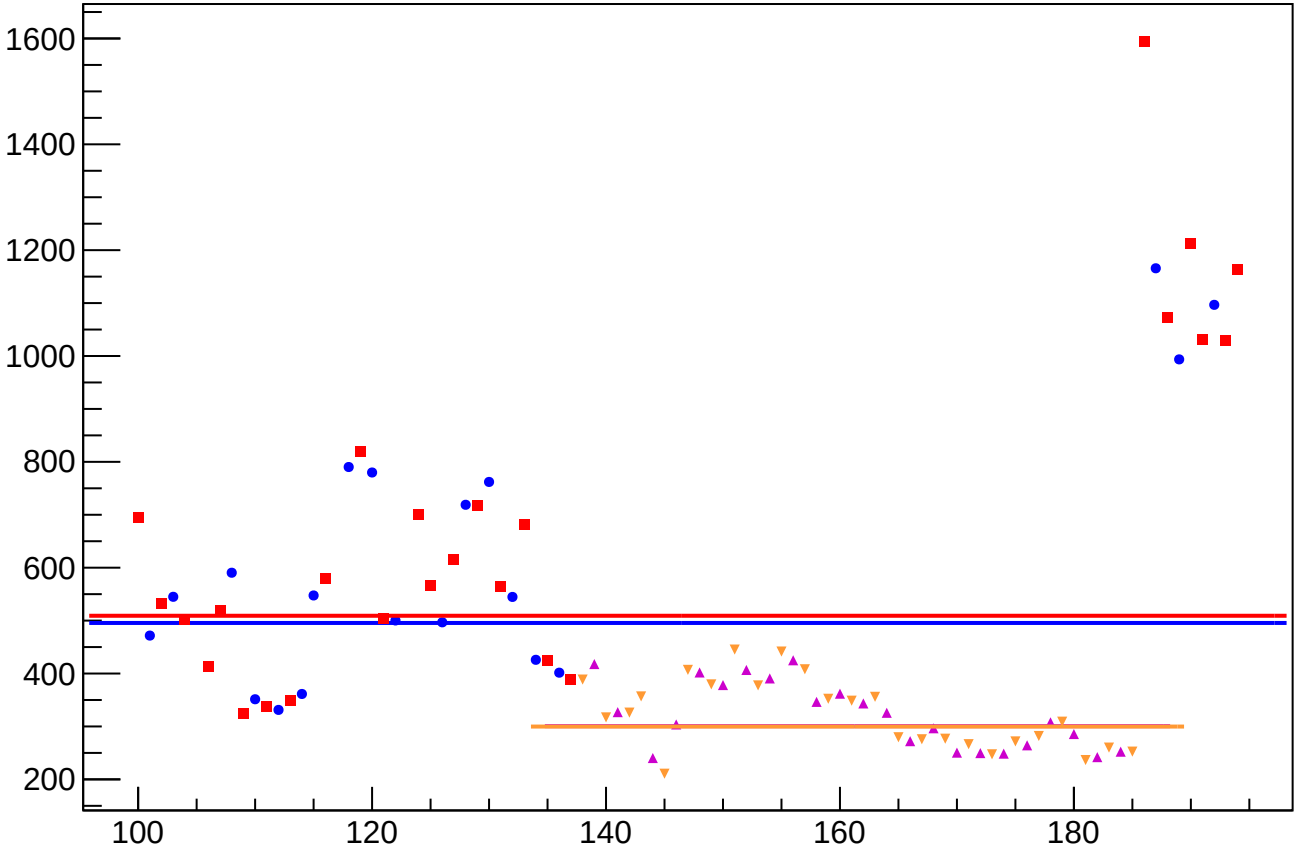
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 195.576+/-64.847 χ^2/NDF: 72.5/43

All: 129.670+/-46.211 χ^2/NDF: 136.6/91

- sign 61.671+/-65.869 χ^2/NDF: 62.0/47

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: 509.166+/-0.118 χ^2/NDF: 3501177.7/24

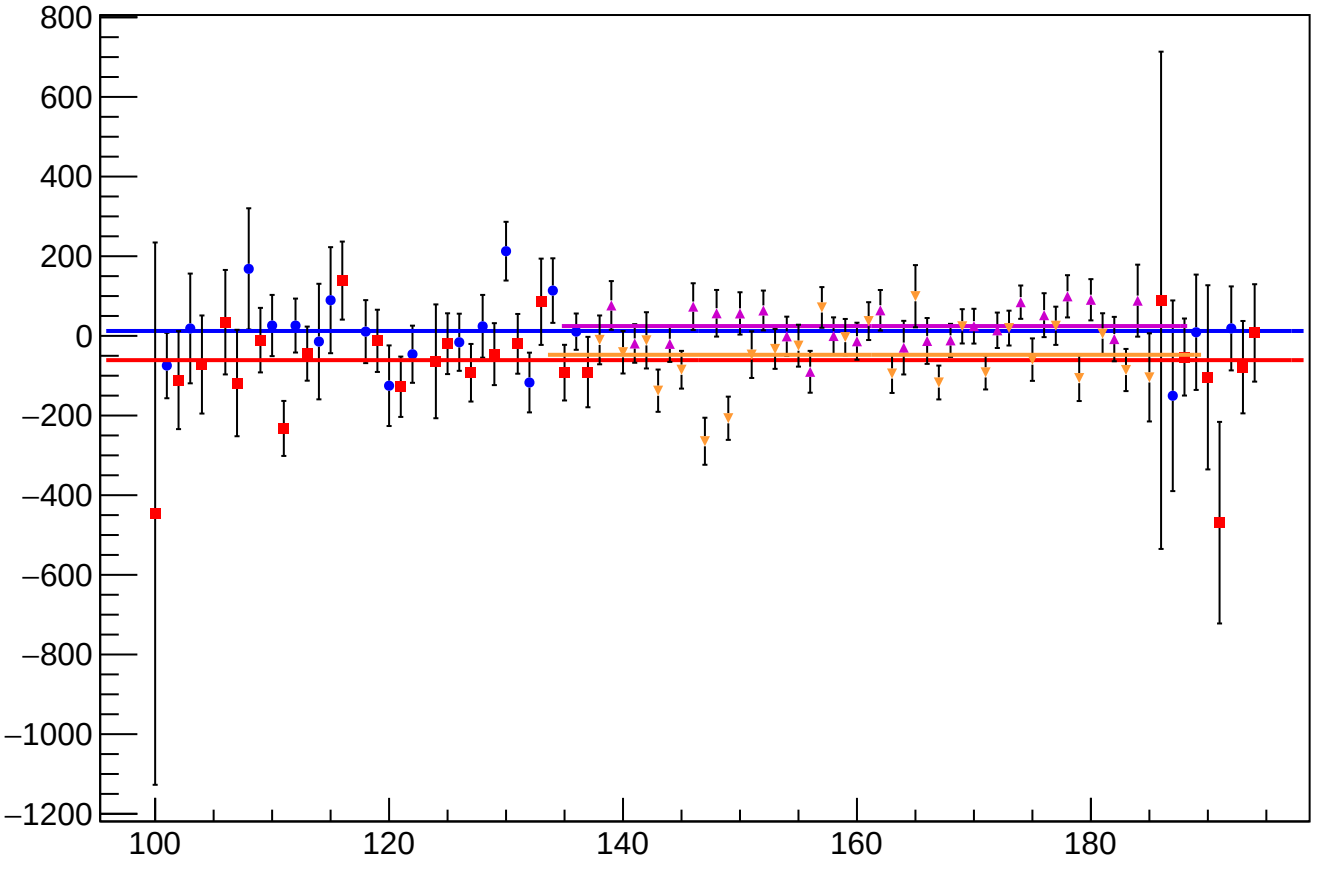
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 326.175+/-0.046 χ^2/NDF: 5700858.6/43

All: 329.612+/-0.033 χ^2/NDF: 13118713.5/91

- sign 333.157+/-0.047 χ^2/NDF: 7406445.9/47

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: -60.916+/-19.148 χ^2/NDF: 19.1/24

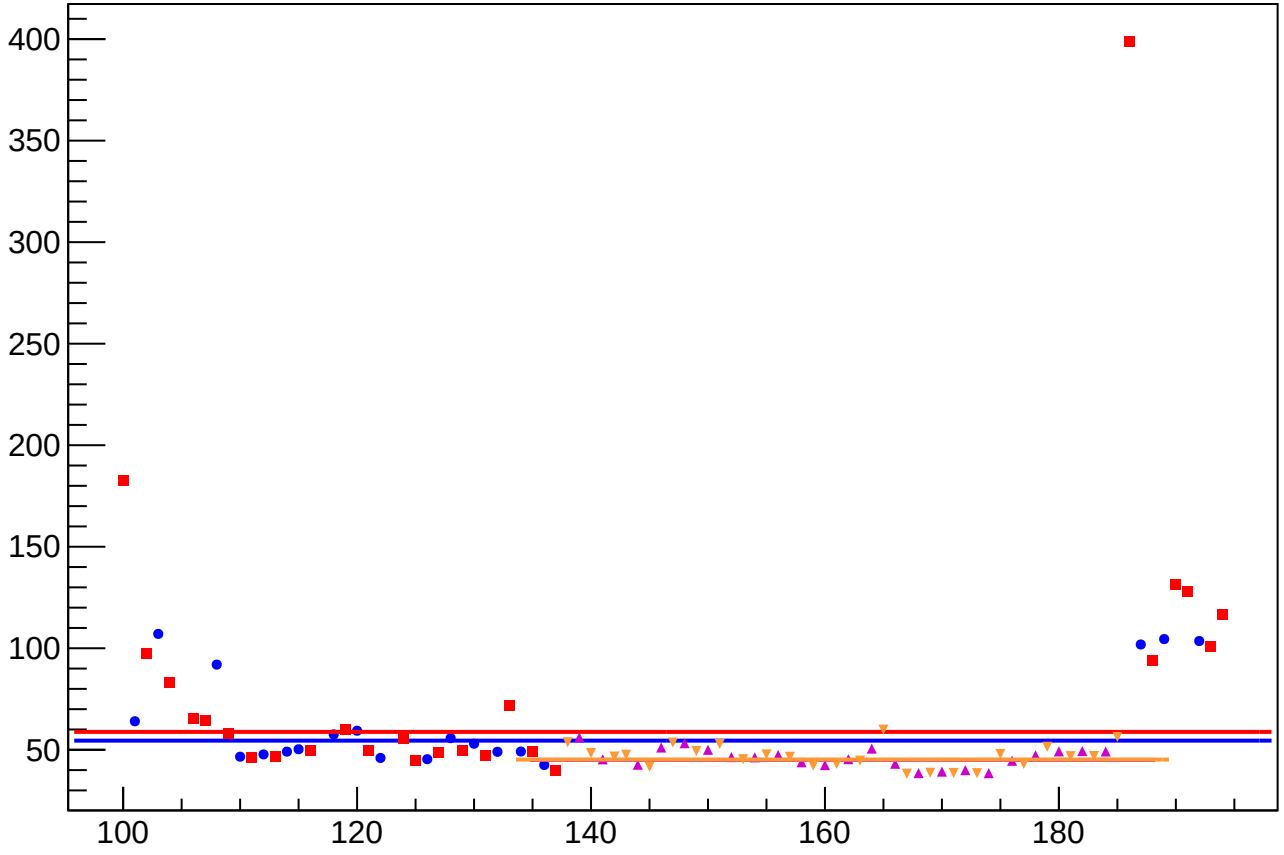
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.007+/-9.147 χ^2/NDF: 79.8/43

All: -15.135+/-6.526 χ^2/NDF: 142.6/91

- sign 4.433+/-9.314 χ^2/NDF: 54.1/47

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

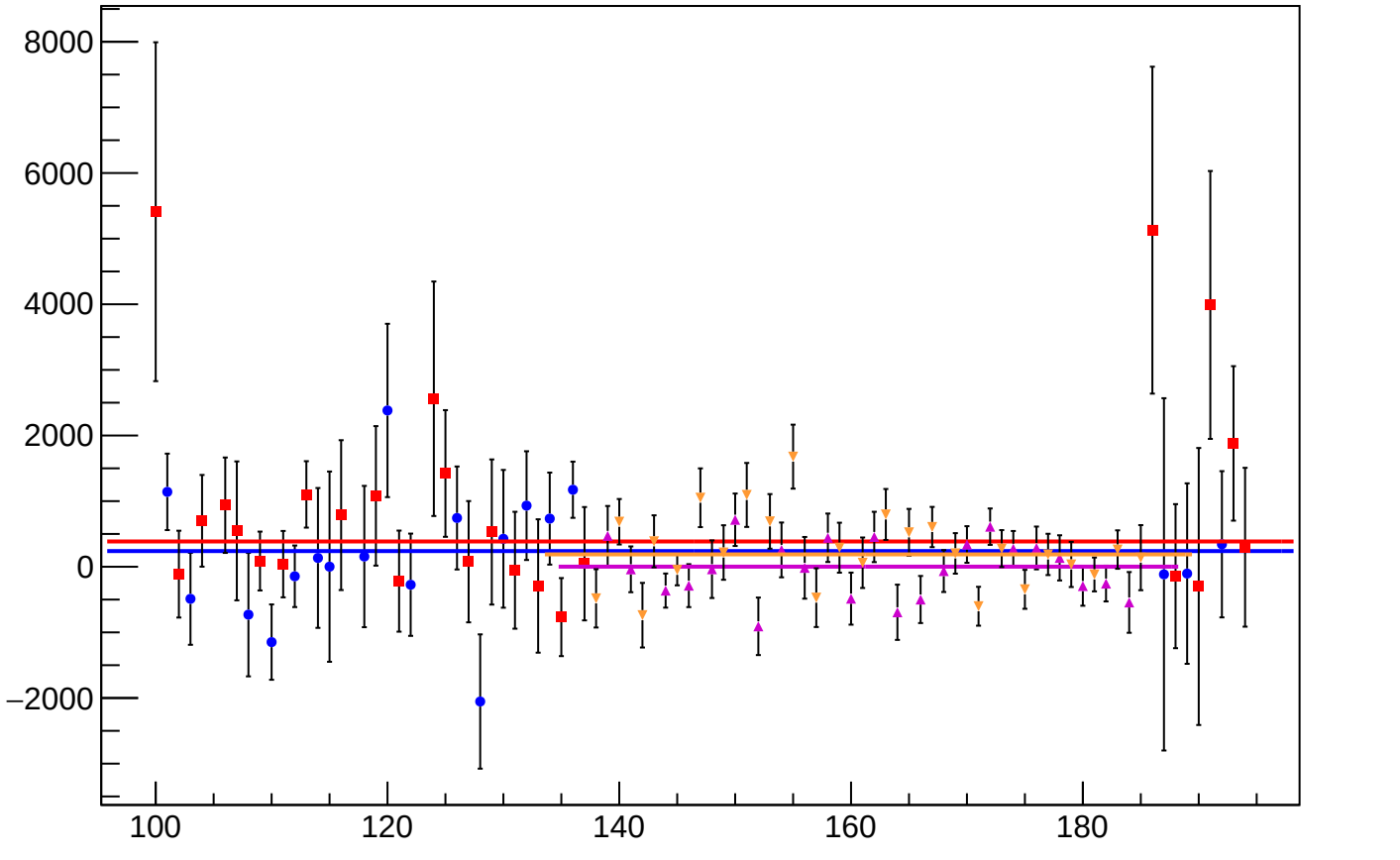
Right Out: 58.812+/-0.014 χ^2/NDF: 2796098.6/24

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 47.278+/-0.006 χ^2/NDF: 2316211.6/43

All: 47.771+/-0.005 χ^2/NDF: 6289194.3/91

- sign 48.281+/-0.007 χ^2/NDF: 3961177.6/47



Right In: 239.013+/-176.665 χ^2/NDF: 25.7/18

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

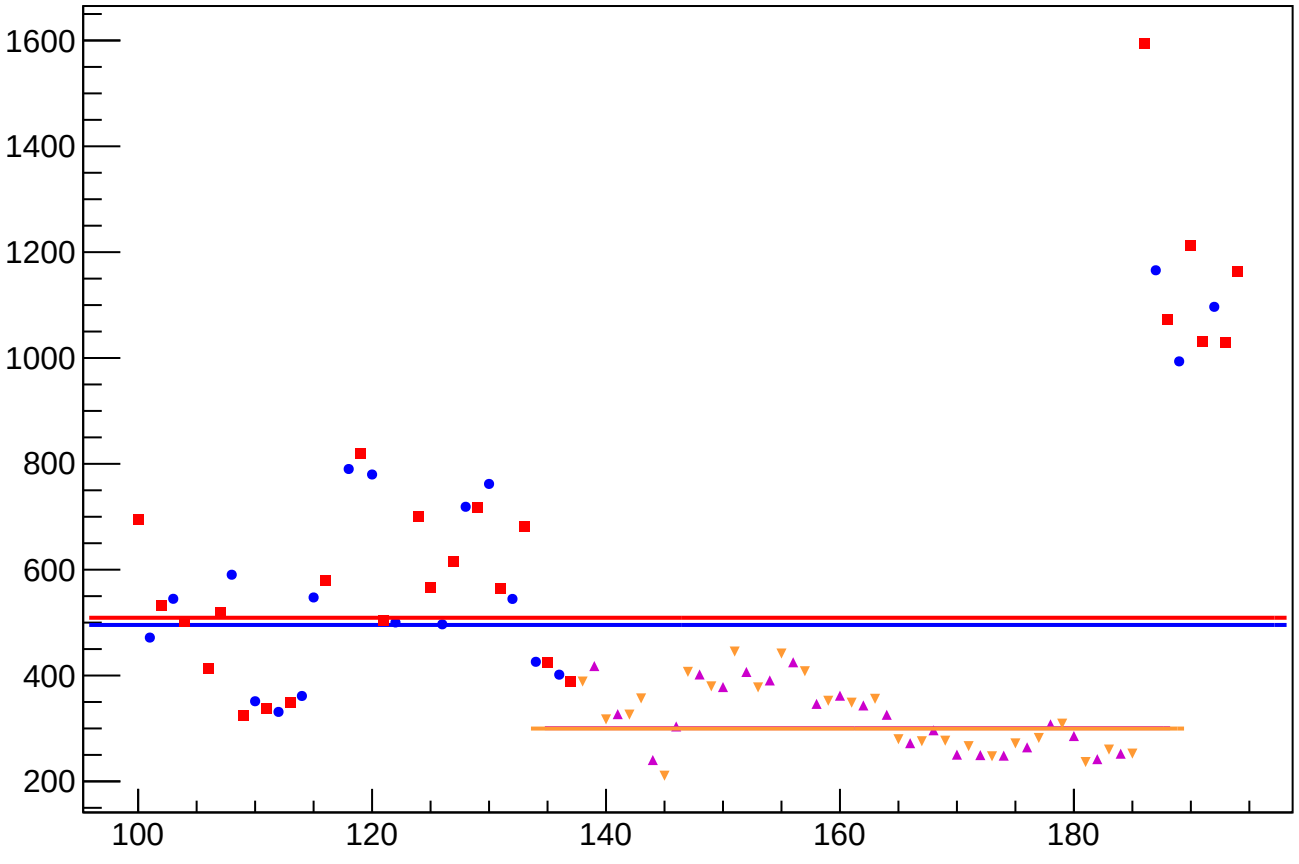
Right Out: 385.574+/-166.597 χ^2/NDF: 25.3/24

Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 195.576+/-64.847 χ^2/NDF: 72.5/43

All: 129.670+/-46.211 χ^2/NDF: 136.6/91

- sign 61.671+/-65.869 χ^2/NDF: 62.0/47



Right In: 495.567+/-0.125 χ^2/NDF: 1998388.5/18

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

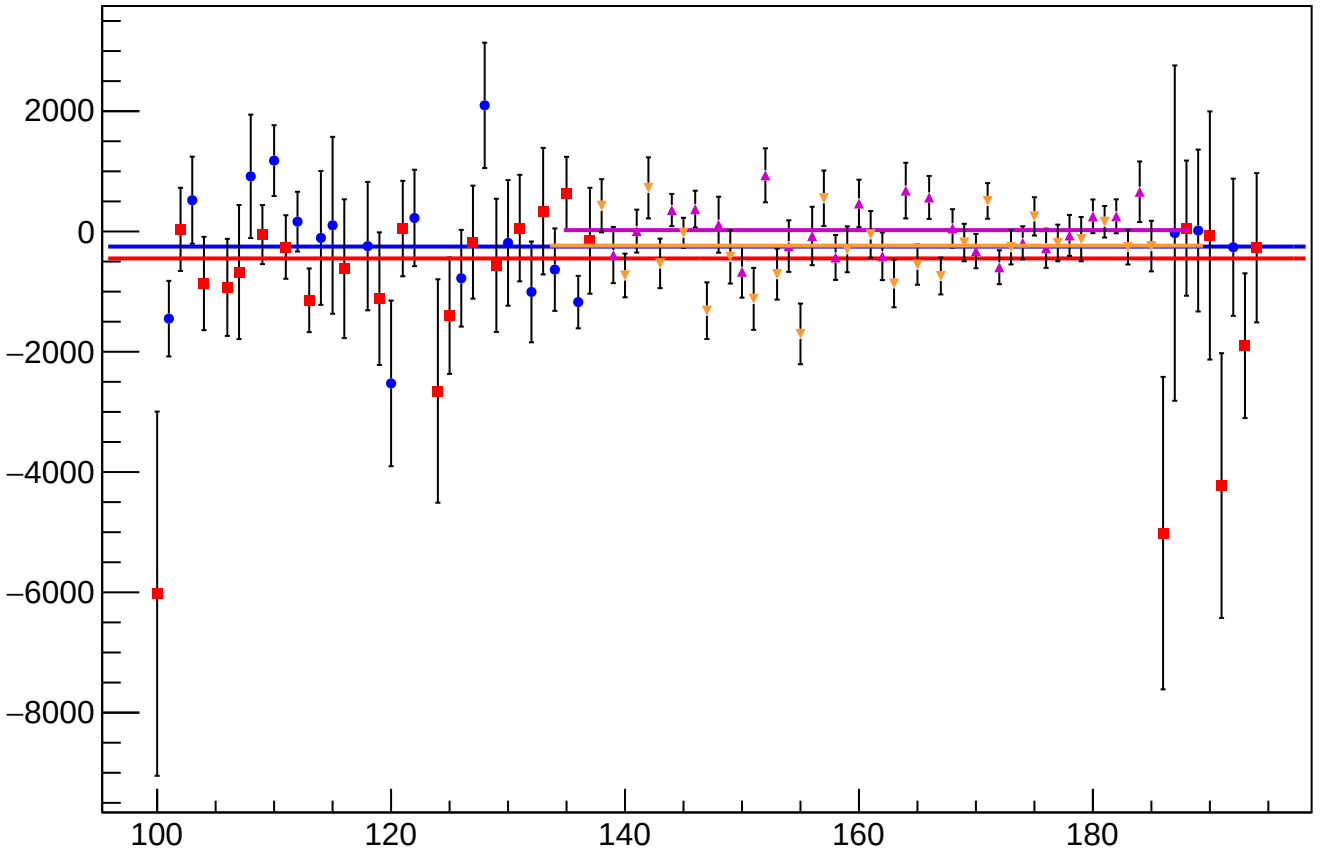
Right Out: 509.165+/-0.118 χ^2/NDF: 3501176.7/24

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 326.176+/-0.046 χ^2/NDF: 5700845.7/43

All: 329.612+/-0.033 χ^2/NDF: 13118669.7/91

- sign 333.157+/-0.047 χ^2/NDF: 7406414.4/47



Right In: -250.929+/-181.935 χ^2/NDF: 27.0/18

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -448.106+/-174.632 χ^2/NDF: 22.1/24

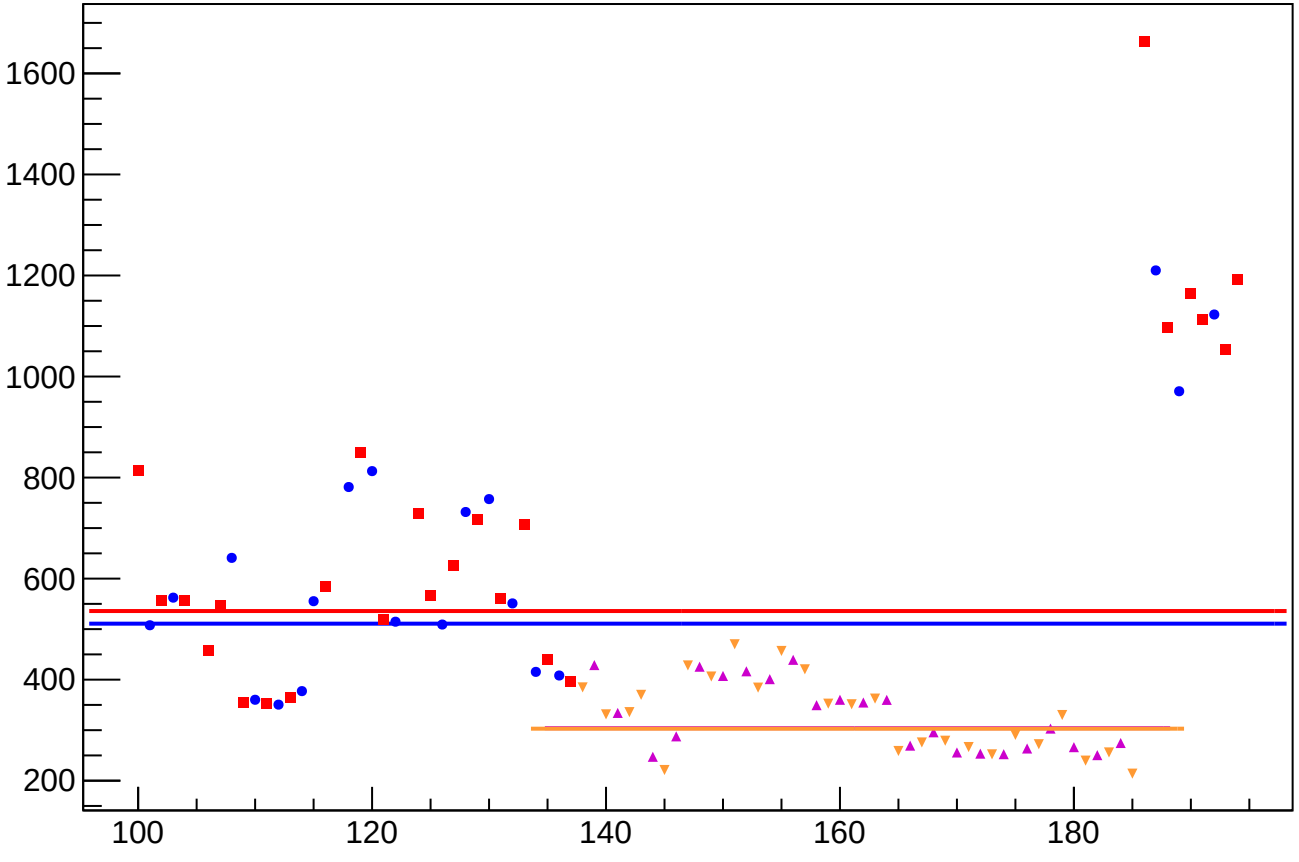
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -237.238+/-65.932 χ^2/NDF: 74.4/43

All: -143.639+/-47.019 χ^2/NDF: 136.7/91

- sign -46.780+/-67.071 χ^2/NDF: 58.1/47

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

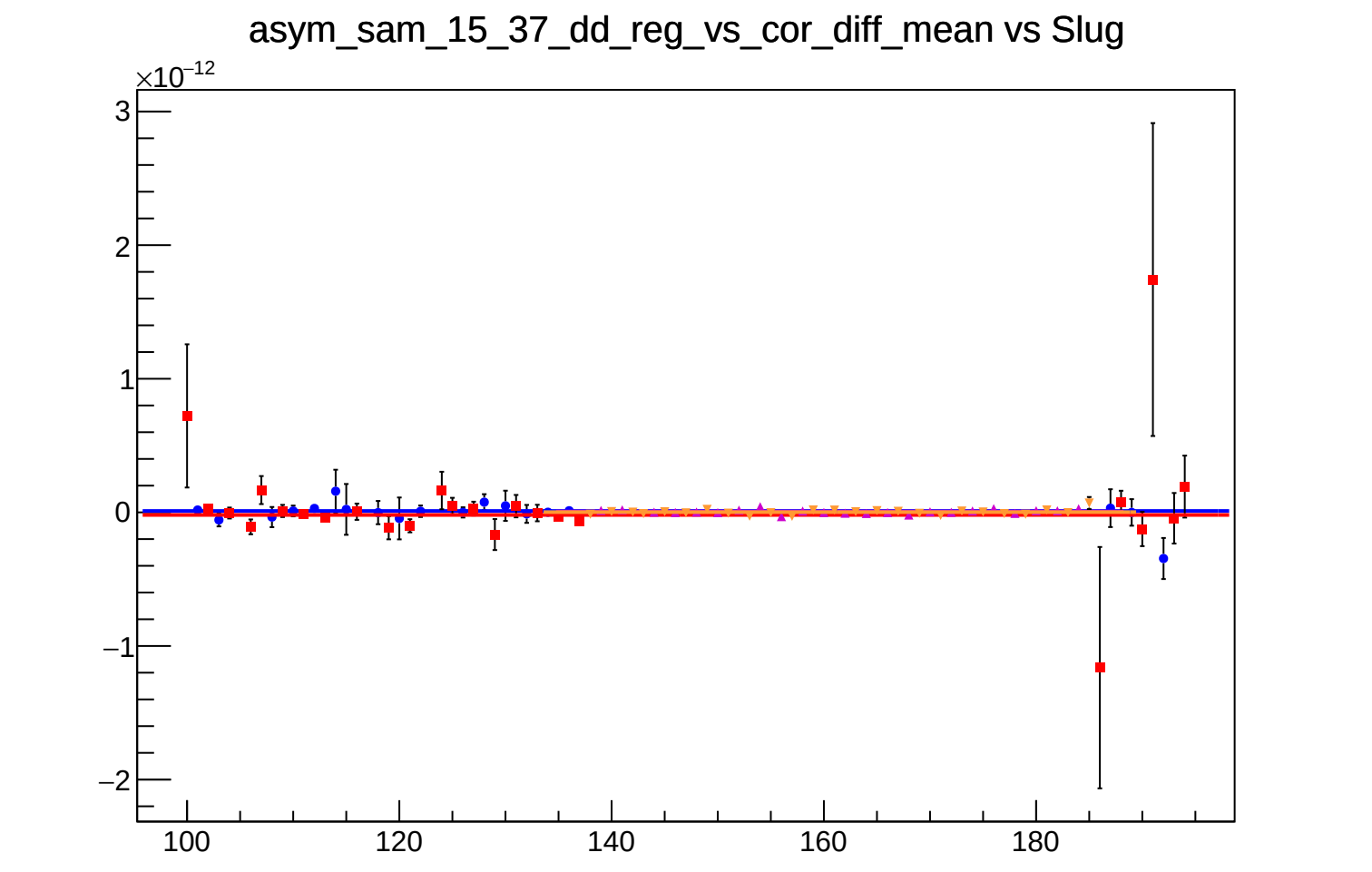
Right Out: 535.822+/-0.123 χ^2/NDF: 3305159.4/24

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 330.244+/-0.047 χ^2/NDF: 5961874.5/43

All: 334.120+/-0.033 χ^2/NDF: 13663914.9/91

- sign 338.130+/-0.047 χ^2/NDF: 7687979.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/24

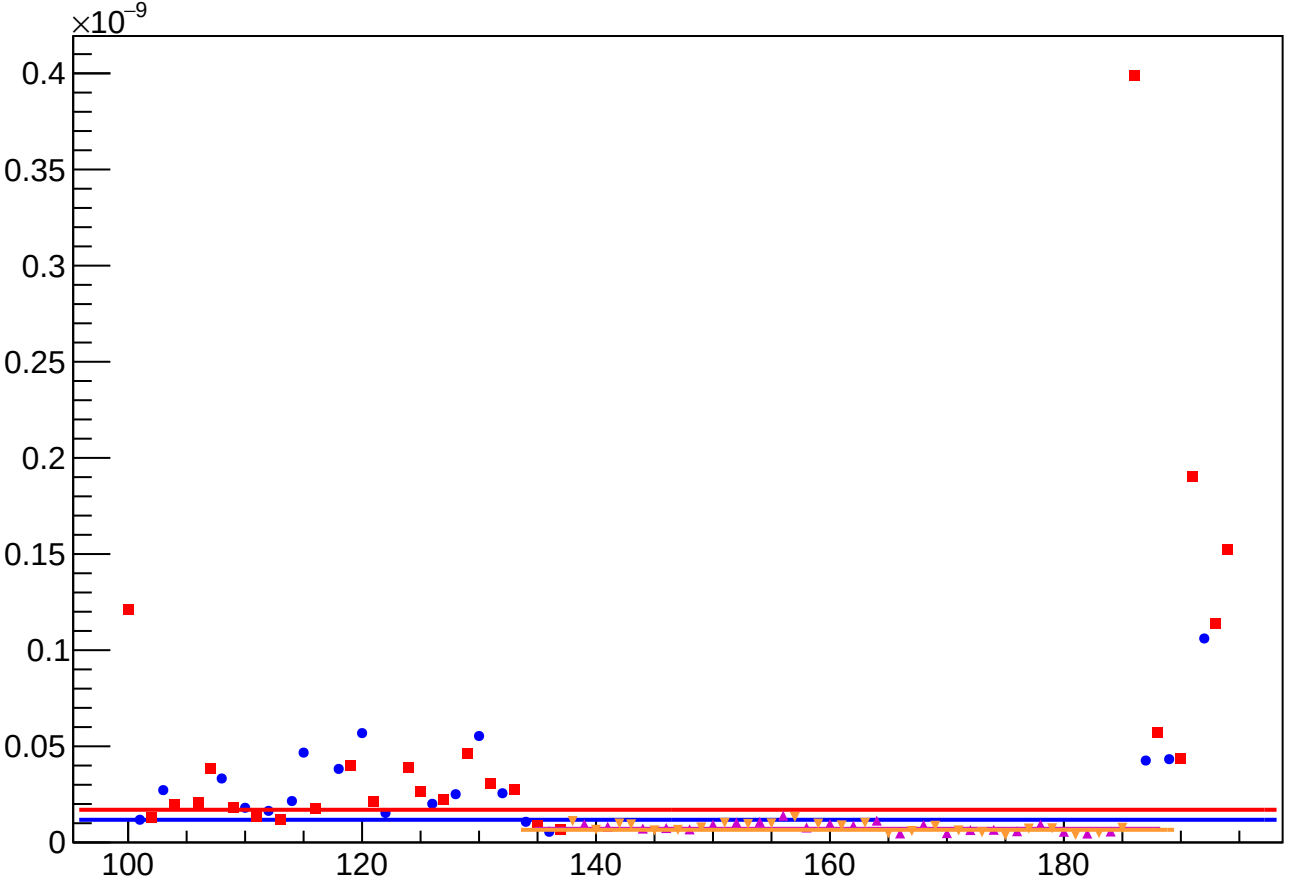
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.7/43

All: 0.000+/-0.000 χ^2/NDF: 89.5/91

- sign 0.000+/-0.000 χ^2/NDF: 54.6/47

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: 3379024.0/24

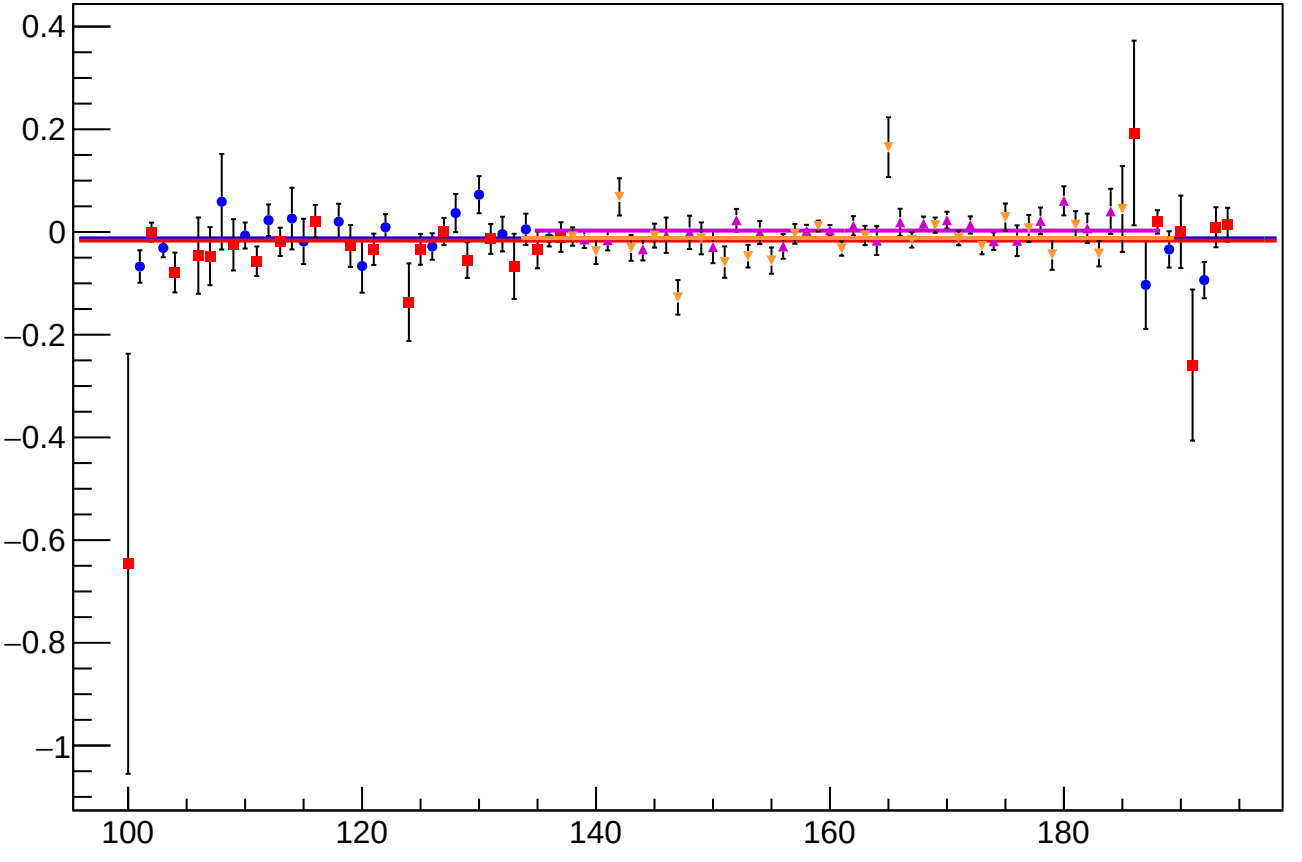
Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5417070.5/43

All: 0.000+/-0.000 χ^2/NDF: 11627507.6/91

- sign 0.000+/-0.000 χ^2/NDF: 6133002.9/47

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.012+/-0.007 χ^2/NDF: 23.9/18

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.017+/-0.007 χ^2/NDF: 23.4/24

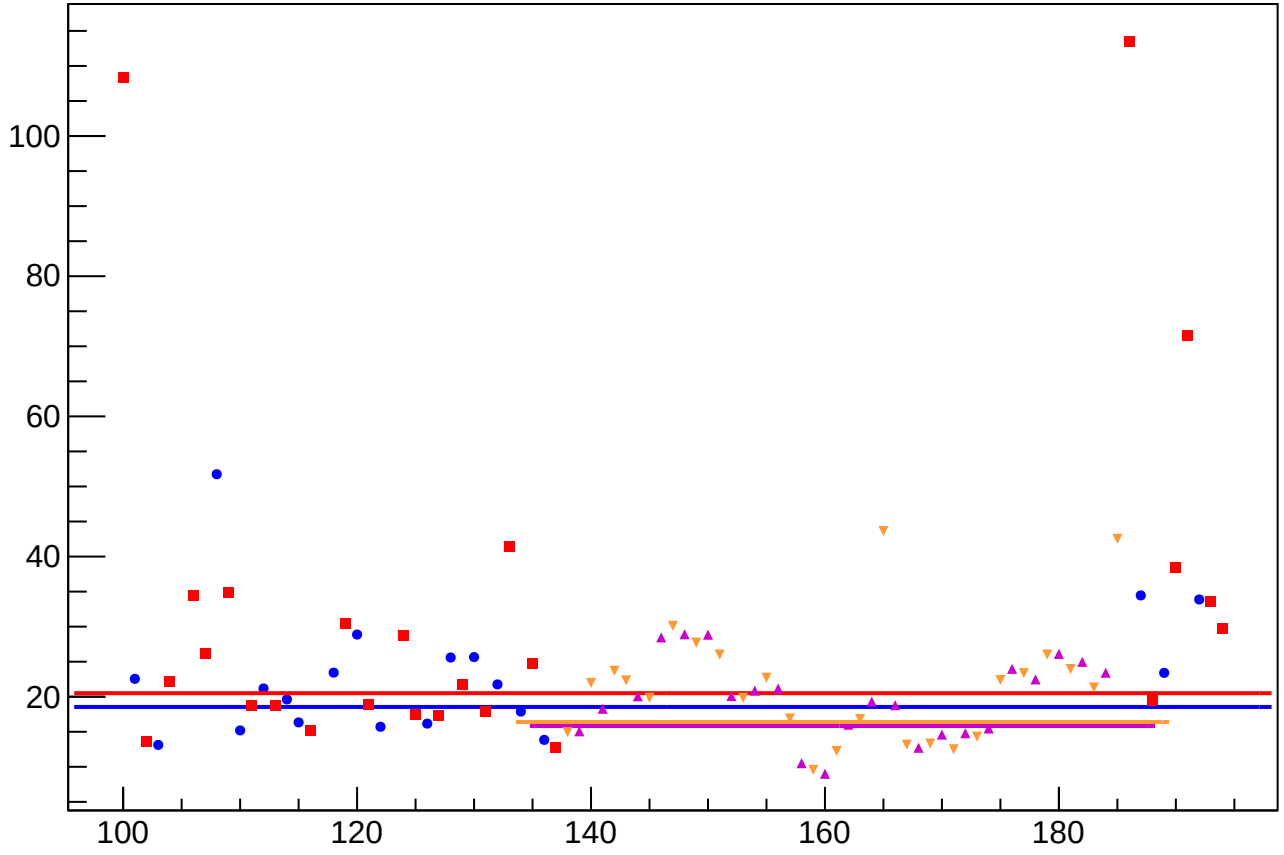
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.004 χ^2/NDF: 77.4/43

All: -0.007+/-0.002 χ^2/NDF: 130.3/91

- sign -0.002+/-0.003 χ^2/NDF: 48.9/47

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

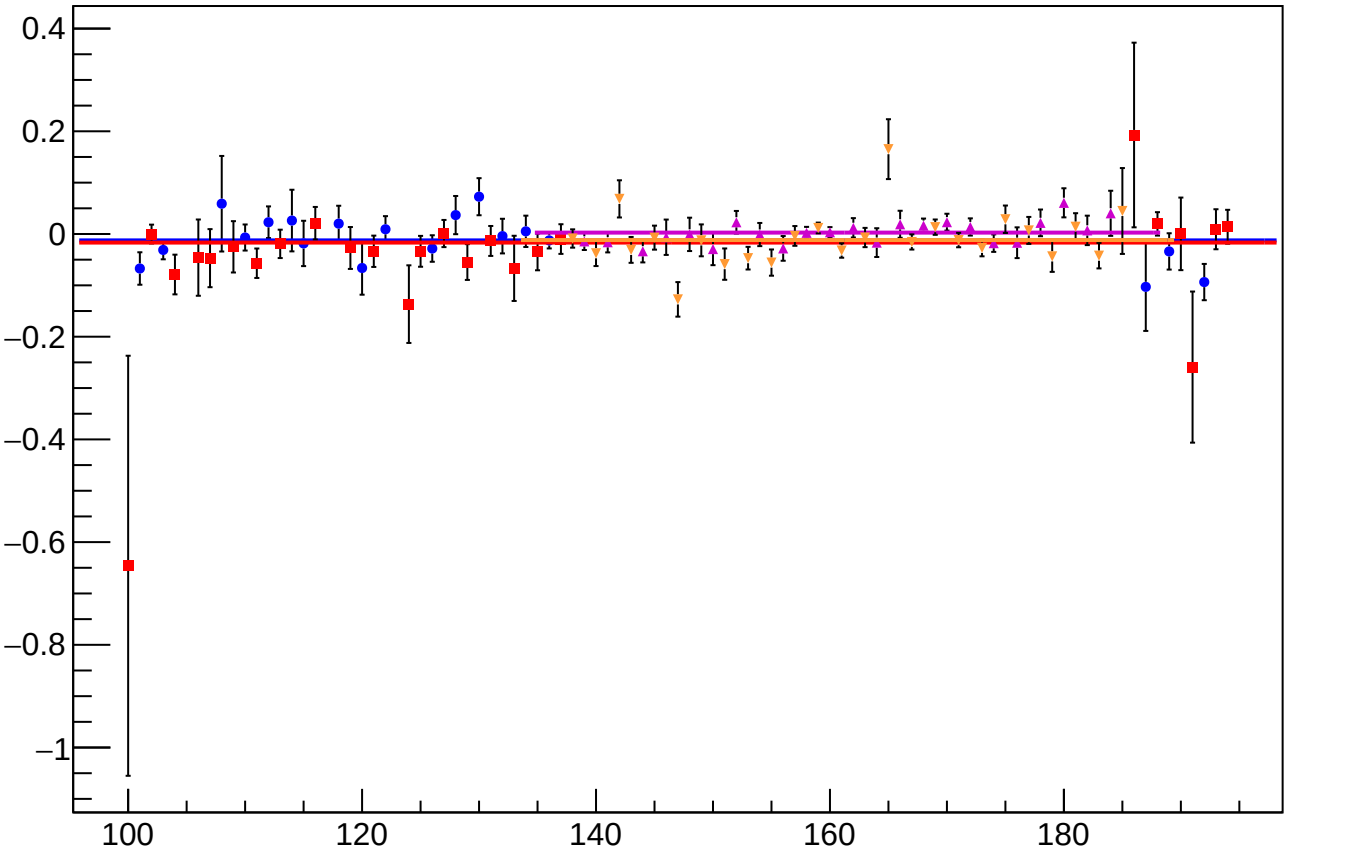
Right Out: 20.508+/-0.005 χ^2/NDF: 2607416.6/24

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 16.943+/-0.002 χ^2/NDF: 5686288.3/43

All: 16.970+/-0.002 χ^2/NDF: 12621514.3/91

- sign 16.996+/-0.002 χ^2/NDF: 6934996.0/47



Right In: -0.012+/-0.007 χ^2/NDF: 23.9/18

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

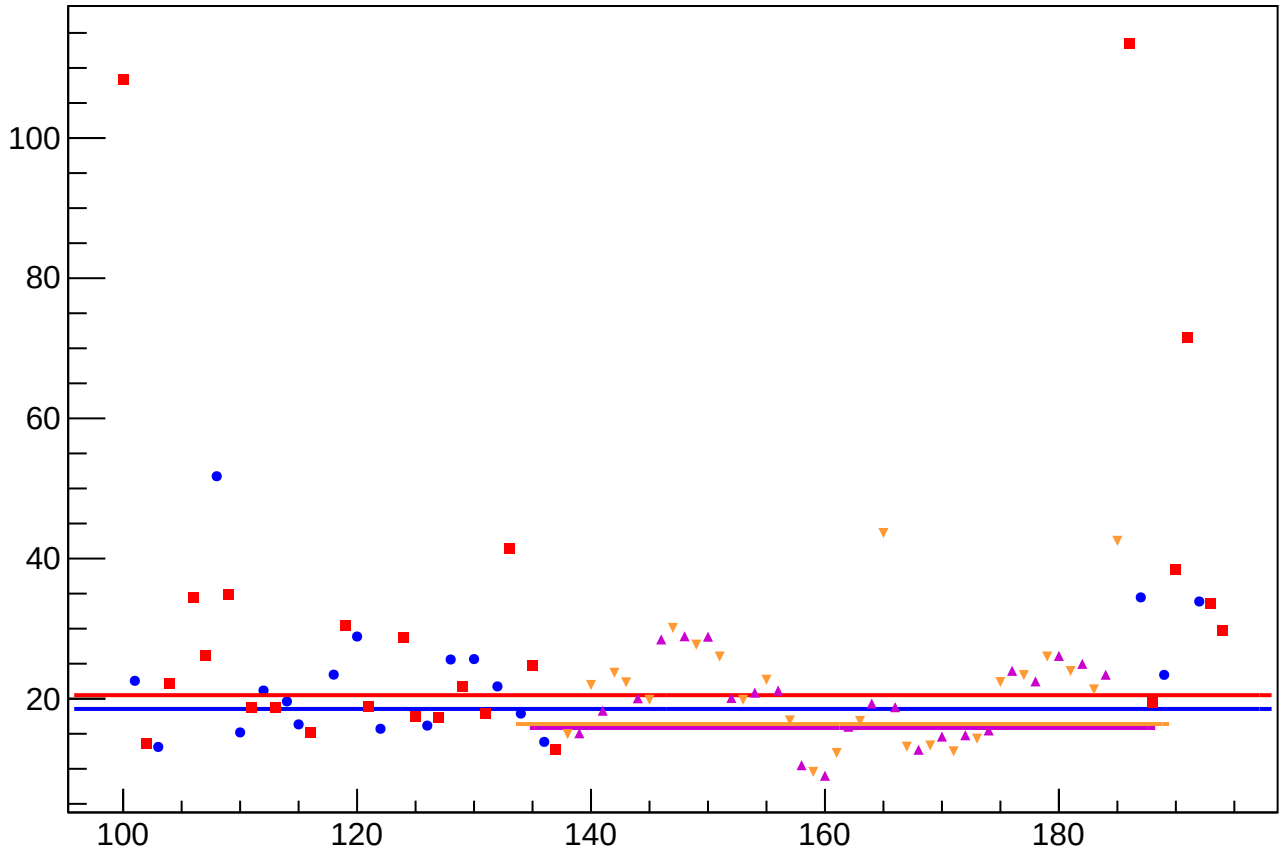
Right Out: -0.017+/-0.007 χ^2/NDF: 23.4/24

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.004 χ^2/NDF: 77.4/43

All: -0.007+/-0.002 χ^2/NDF: 130.3/91

- sign -0.002+/-0.003 χ^2/NDF: 48.9/47



Right In: 18.542+/-0.005 χ^2/NDF: 1511446.5/18

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

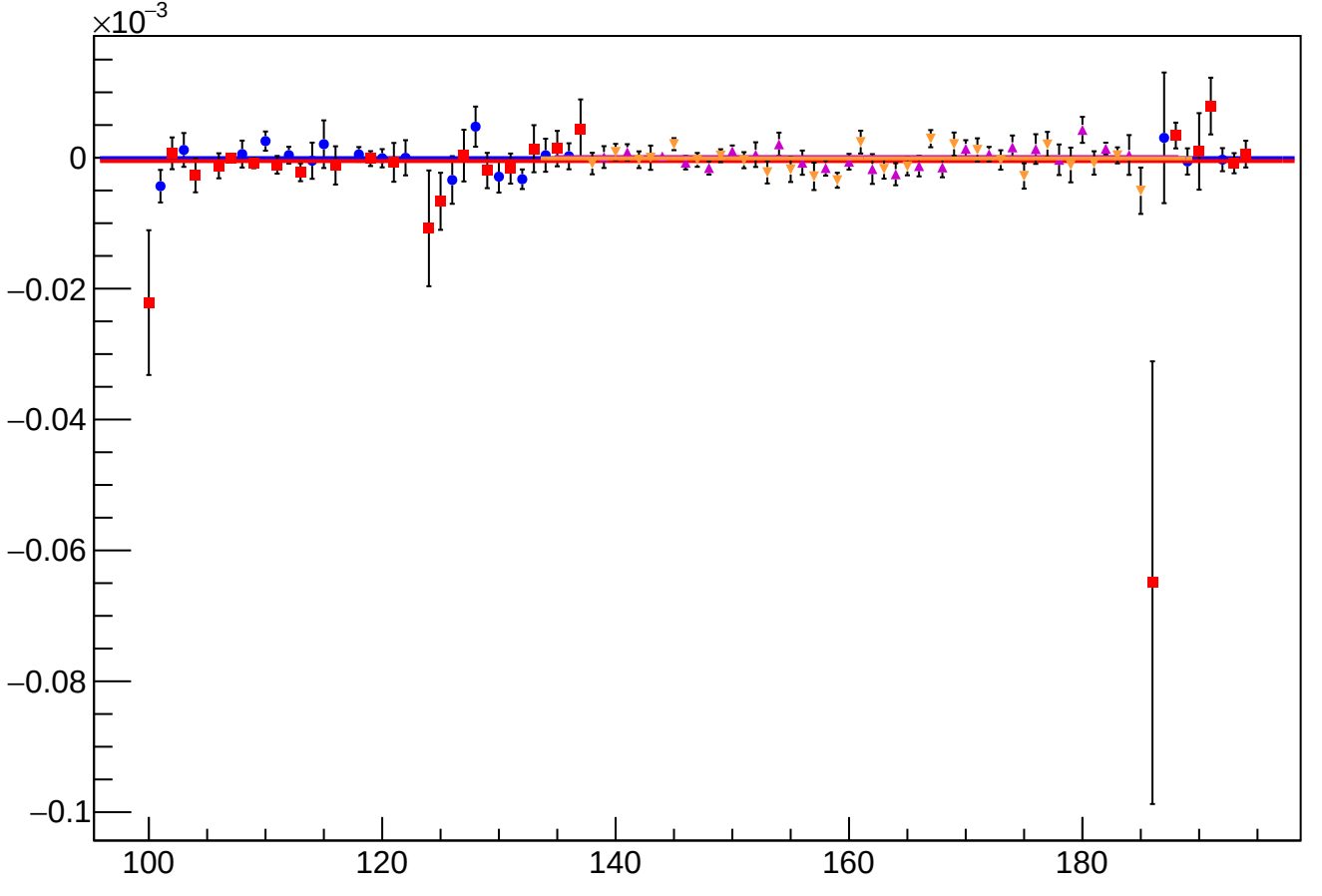
Right Out: 20.508+/-0.005 χ^2/NDF: 2607416.6/24

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 16.943+/-0.002 χ^2/NDF: 5686288.3/43

All: 16.970+/-0.002 χ^2/NDF: 12621514.3/91

- sign 16.996+/-0.002 χ^2/NDF: 6934996.0/47



Right In: -0.000+/-0.000 χ^2/NDF: 16.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/24

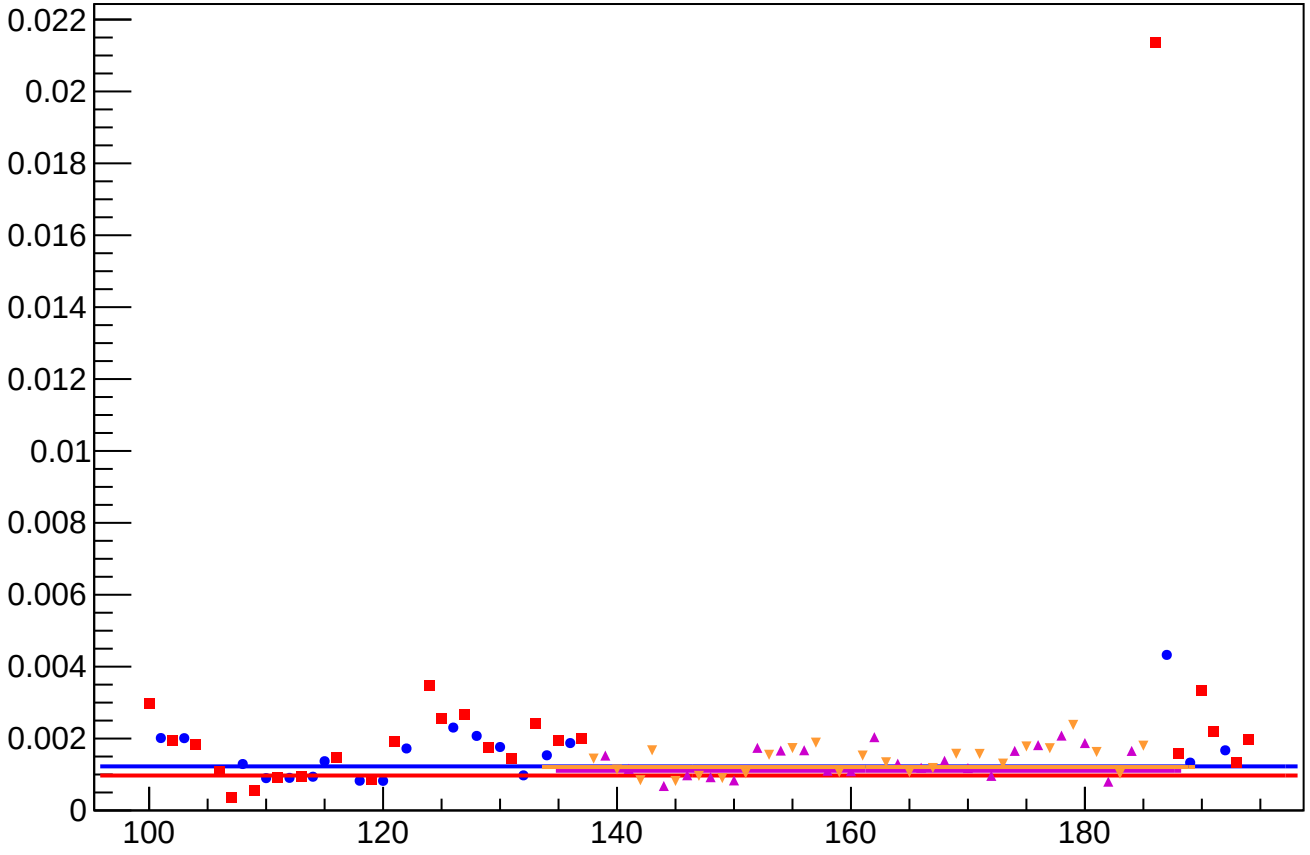
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.8/43

All: -0.000+/-0.000 χ^2/NDF: 101.5/91

- sign -0.000+/-0.000 χ^2/NDF: 48.7/47

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

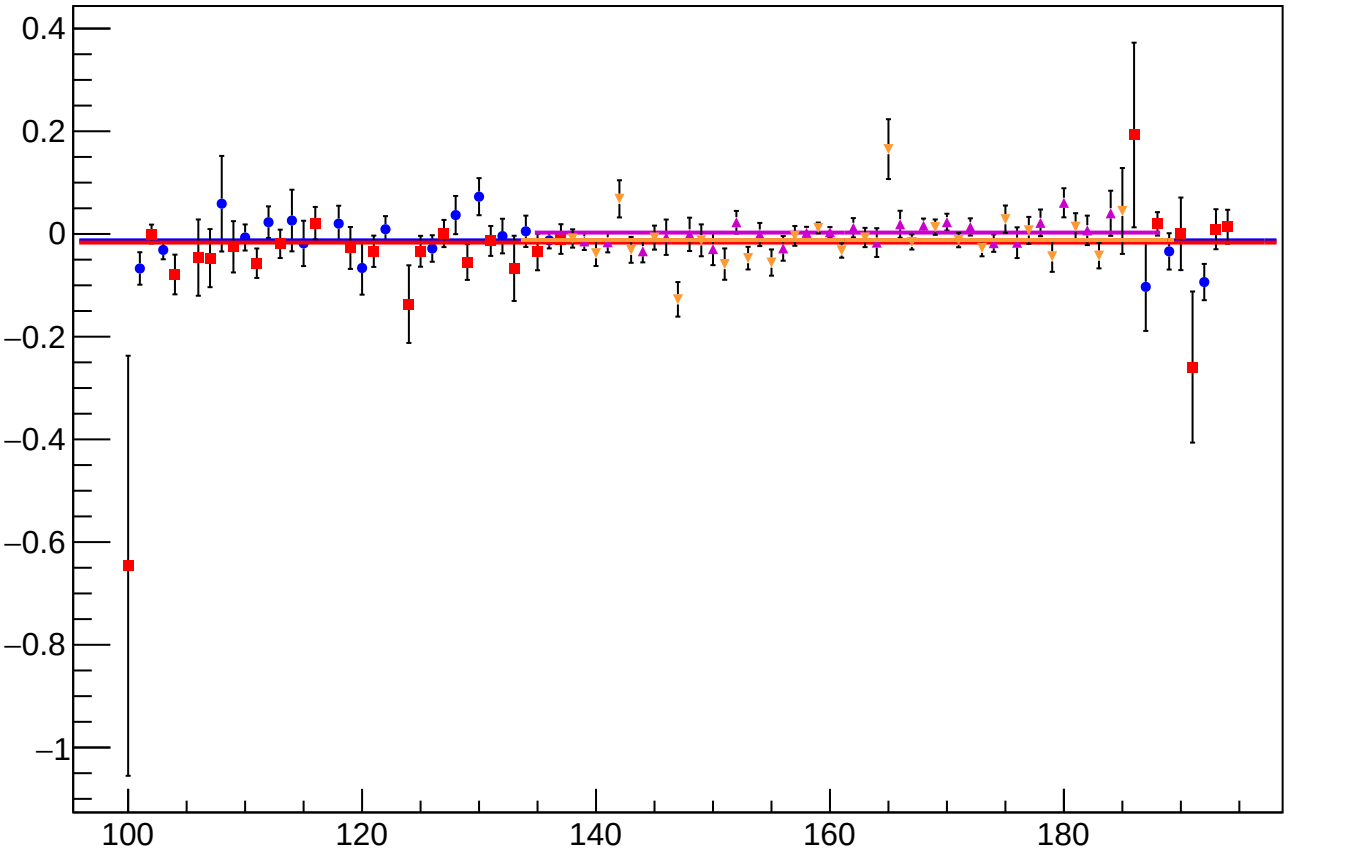
Right Out: 0.001+/-0.000 χ^2/NDF: 6571782.9/24

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: 15610390.9/91

- sign 0.001+/-0.000 χ^2/NDF: 10240117.7/47



Right In: -0.012+/-0.007 χ^2/NDF: 23.9/18

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

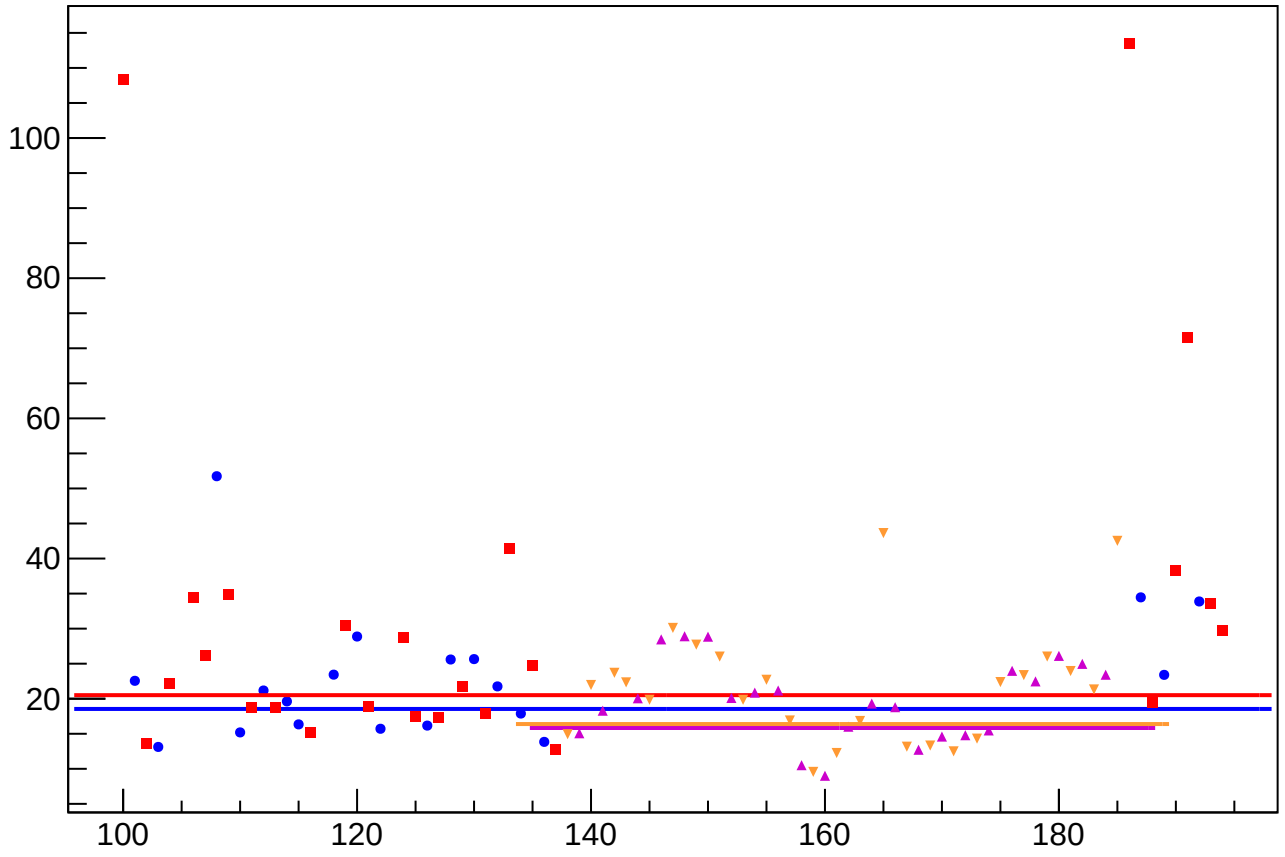
Right Out: -0.017+/-0.007 χ^2/NDF: 23.4/24

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.004 χ^2/NDF: 77.4/43

All: -0.007+/-0.002 χ^2/NDF: 130.3/91

- sign -0.002+/-0.003 χ^2/NDF: 48.9/47



Right In: 18.542+/-0.005 χ^2/NDF: 1511495.4/18

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

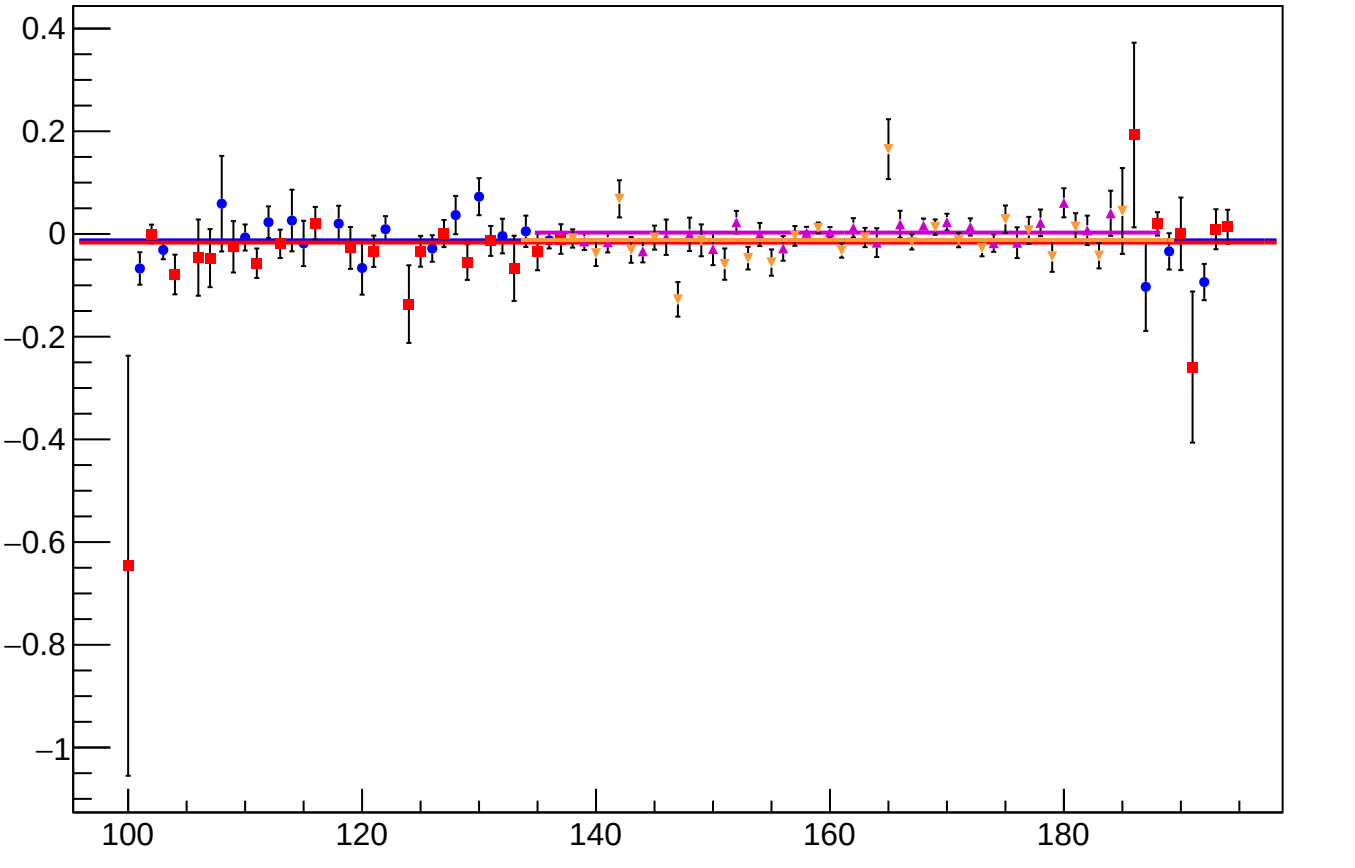
Right Out: 20.509+/-0.005 χ^2/NDF: 2607244.1/24

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

\+ sign 16.943+/-0.002 χ^2/NDF: 5686622.9/43

All: 16.970+/-0.002 χ^2/NDF: 12622247.7/91

\- sign 16.996+/-0.002 χ^2/NDF: 6935394.6/47



Right In: -0.012+/-0.007 χ^2/NDF: 23.9/18

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

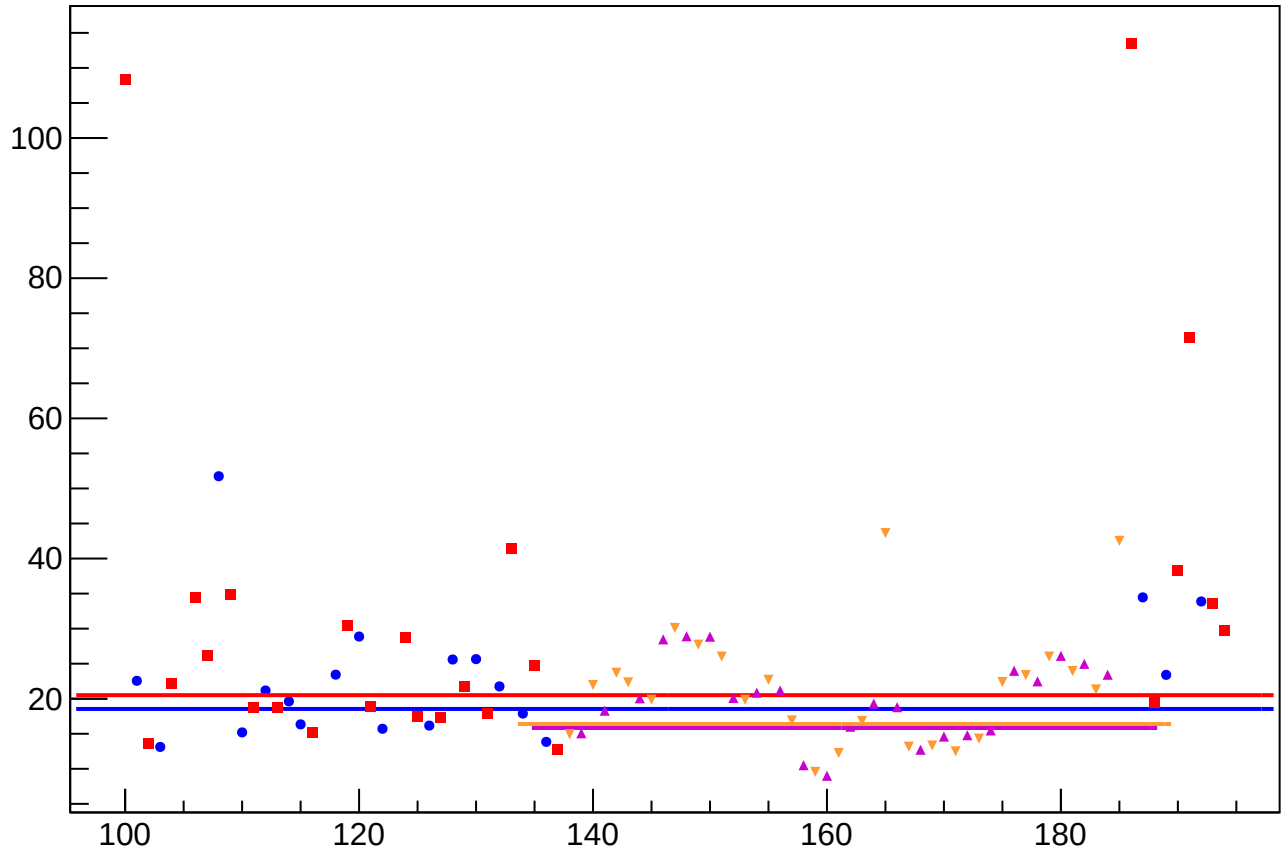
Right Out: -0.017+/-0.007 χ^2/NDF: 23.4/24

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.004 χ^2/NDF: 77.4/43

All: -0.007+/-0.002 χ^2/NDF: 130.3/91

- sign -0.002+/-0.003 χ^2/NDF: 48.9/47



Right In: 18.542+/-0.005 χ^2/NDF: 1511495.4/18

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

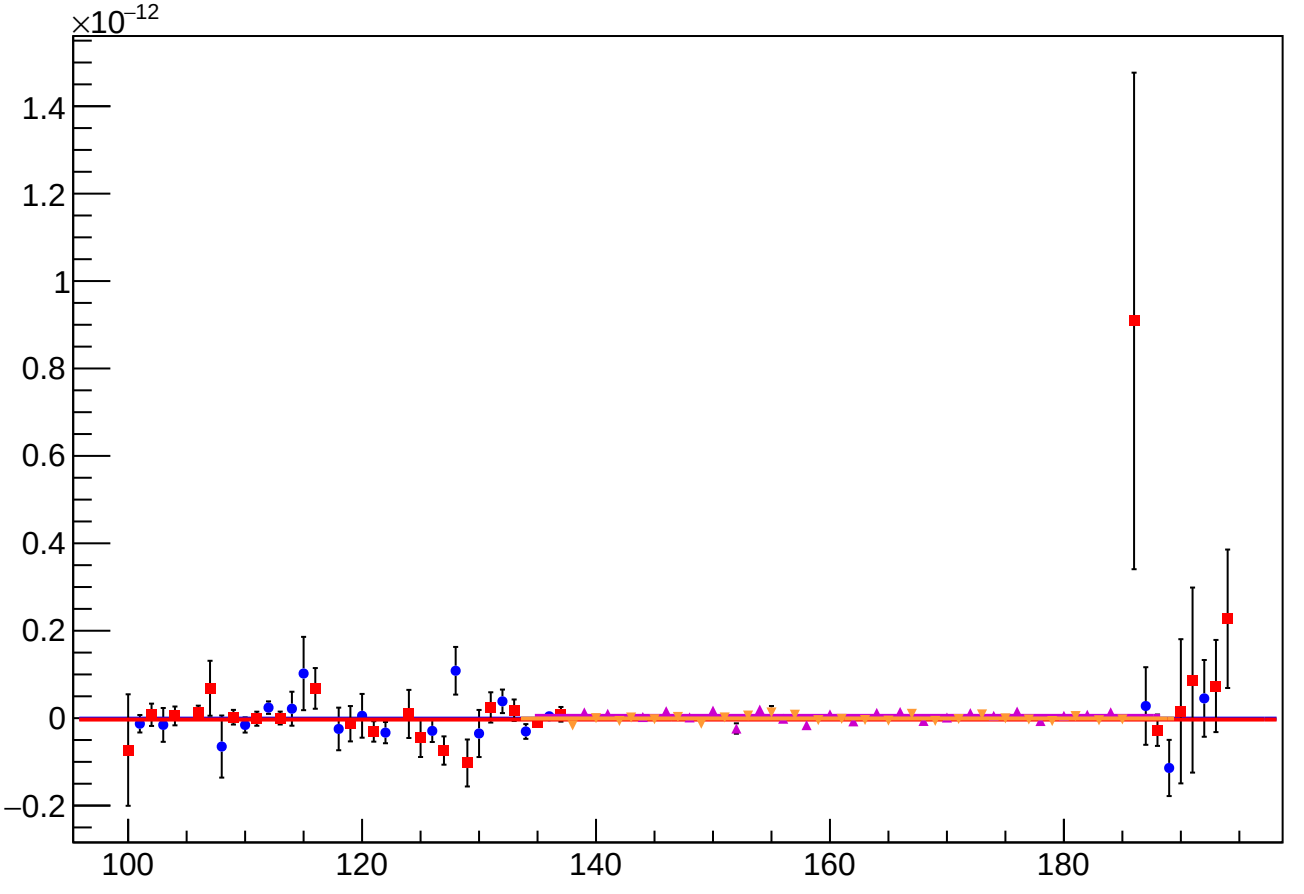
Right Out: 20.509+/-0.005 χ^2/NDF: 2607244.1/24

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 16.943+/-0.002 χ^2/NDF: 5686622.9/43

All: 16.970+/-0.002 χ^2/NDF: 12622247.7/91

- sign 16.996+/-0.002 χ^2/NDF: 6935394.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 23.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

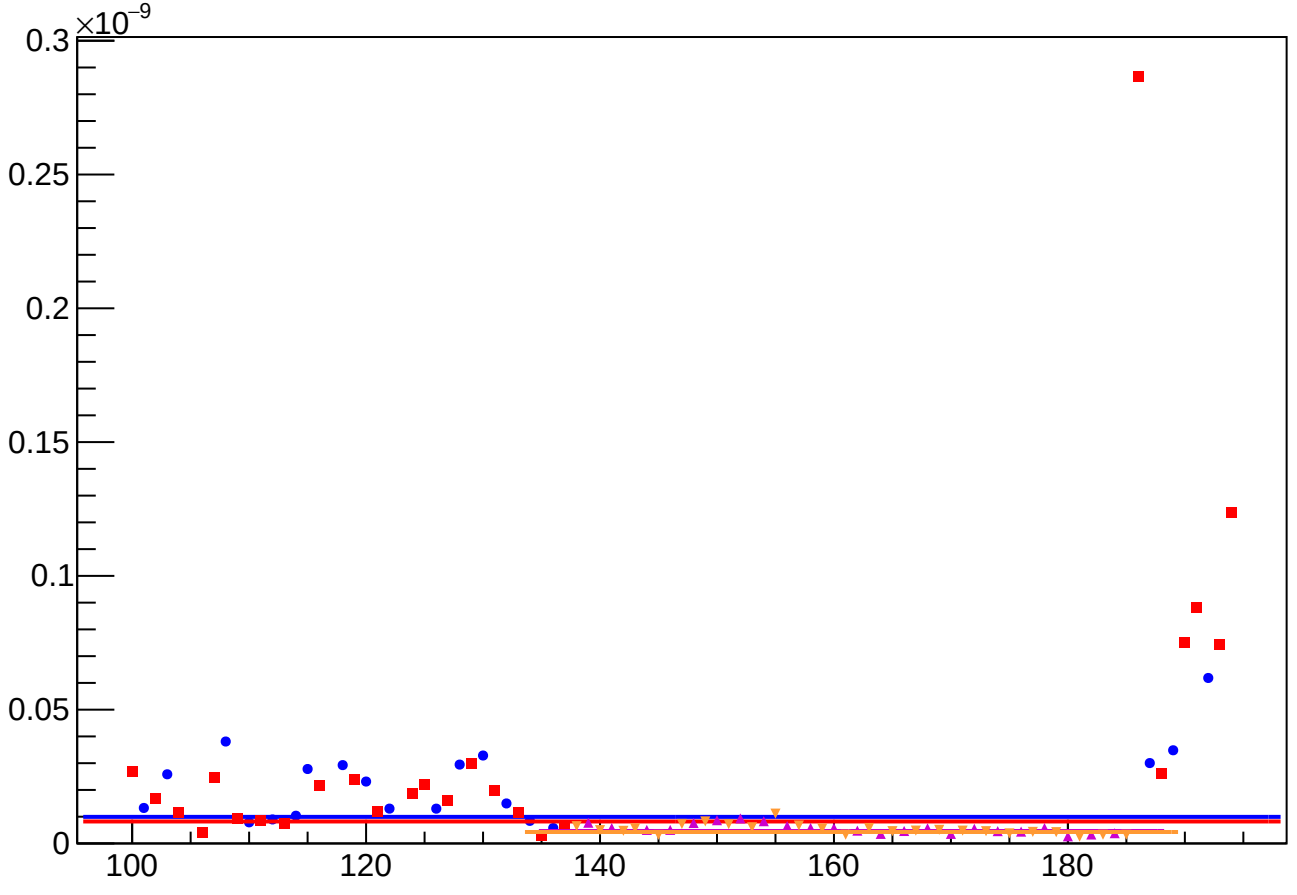
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/24

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

+ sign -0.000+/-0.000 χ^2/NDF: 42.9/43

All: 0.000+/-0.000 χ^2/NDF: 117.6/91

- sign 0.000+/-0.000 χ^2/NDF: 66.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 3745770.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6557885.4/24

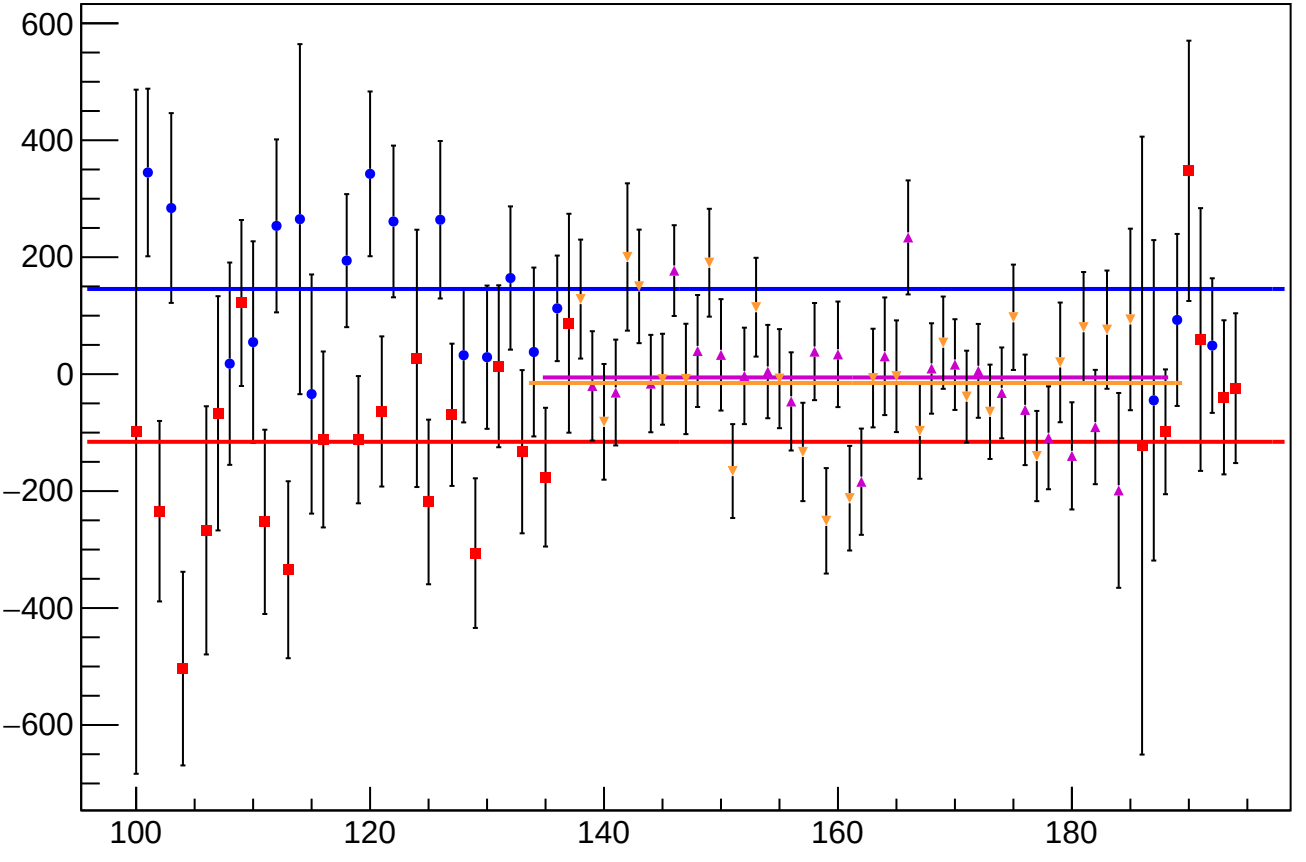
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8700678.6/43

All: 0.000+/-0.000 χ^2/NDF: 19012591.5/91

- sign 0.000+/-0.000 χ^2/NDF: 10236553.2/47

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: -115.709+/-30.094 χ^2/NDF: 23.9/24

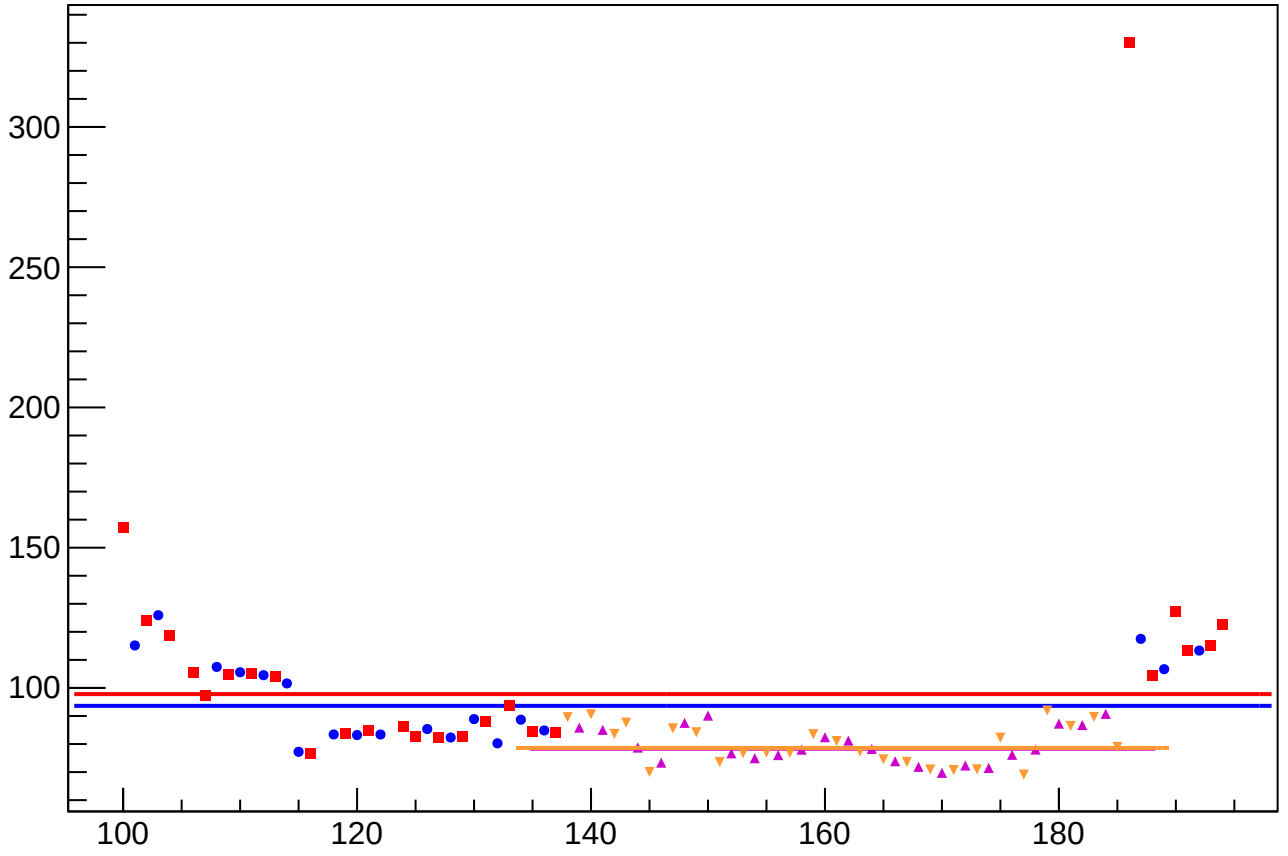
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 23.848+/-15.631 χ^2/NDF: 73.6/43

All: -5.740+/-11.073 χ^2/NDF: 137.5/91

- sign -35.540+/-15.687 χ^2/NDF: 56.6/47

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: 97.802+/-0.021 χ^2/NDF: 905927.5/24

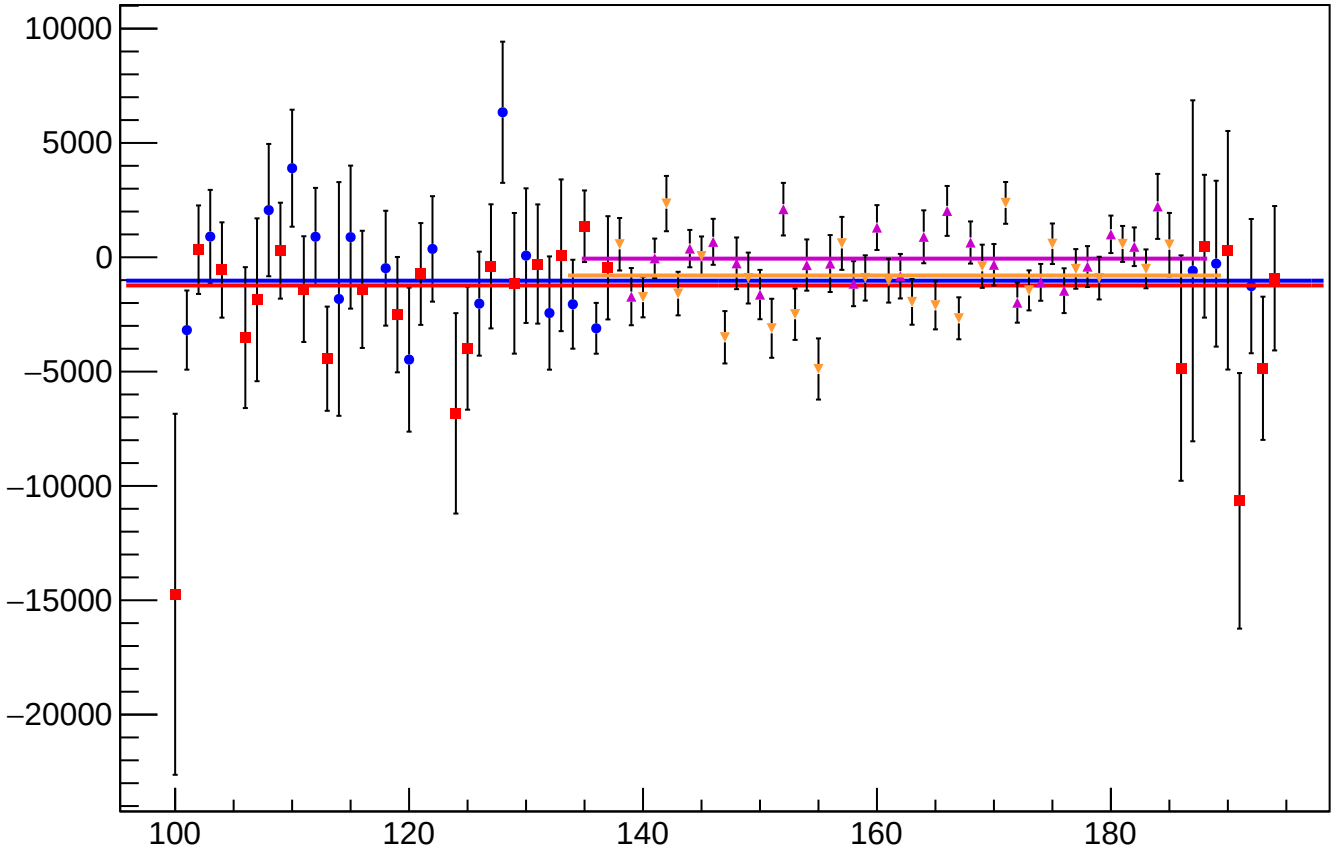
Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 82.252+/-0.011 χ^2/NDF: 1021211.8/43

All: 82.935+/-0.008 χ^2/NDF: 2753525.1/91

- sign 83.624+/-0.011 χ^2/NDF: 1724631.4/47

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: -1231.431+/-534.206 χ^2/NDF: 18.1/24

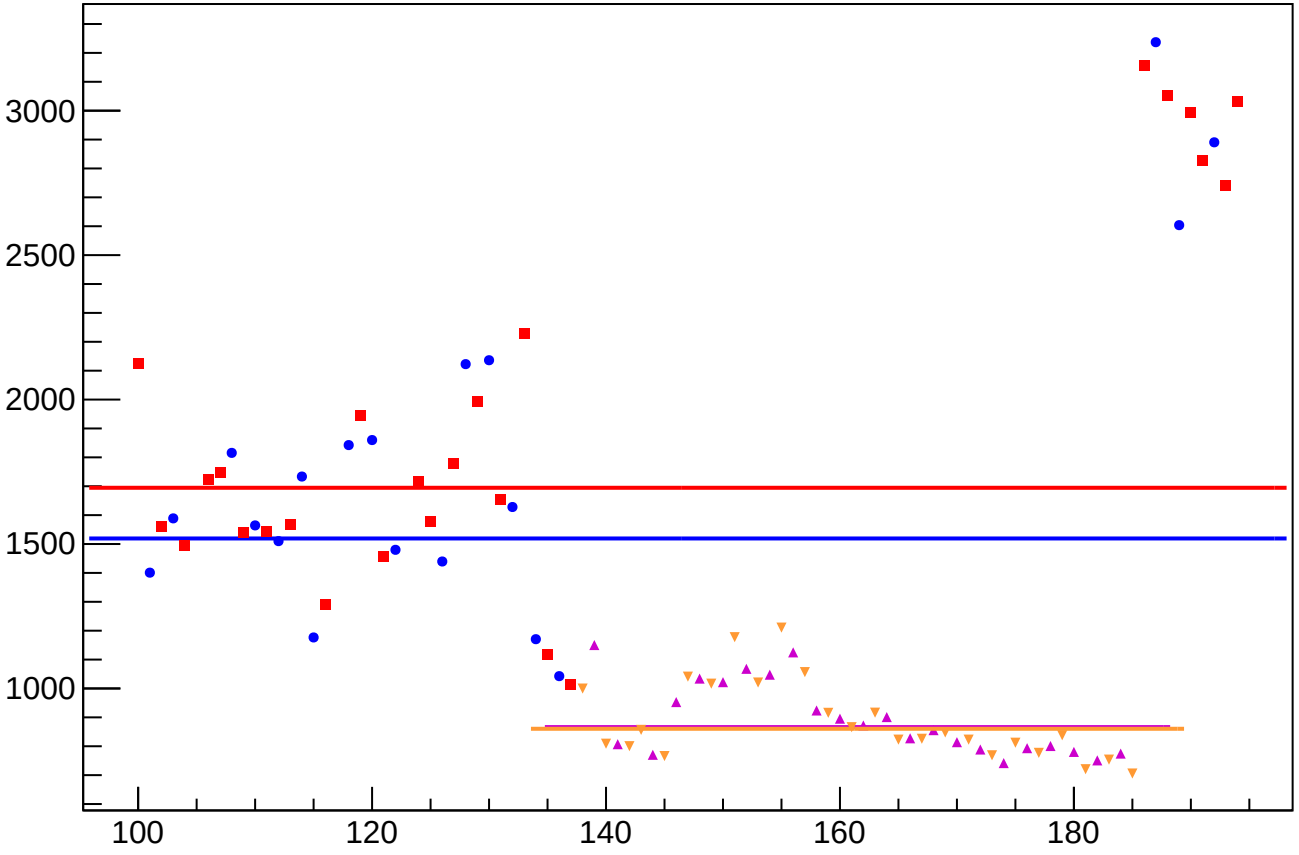
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.444+/-185.533 χ^2/NDF: 79.9/43

All: -525.647+/-133.060 χ^2/NDF: 138.0/91

- sign -209.203+/-190.933 χ^2/NDF: 52.8/47

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1519.214+/-0.377 χ^2/NDF: 1441980.8/18

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1694.687+/-0.378 χ^2/NDF: 2025687.5/24

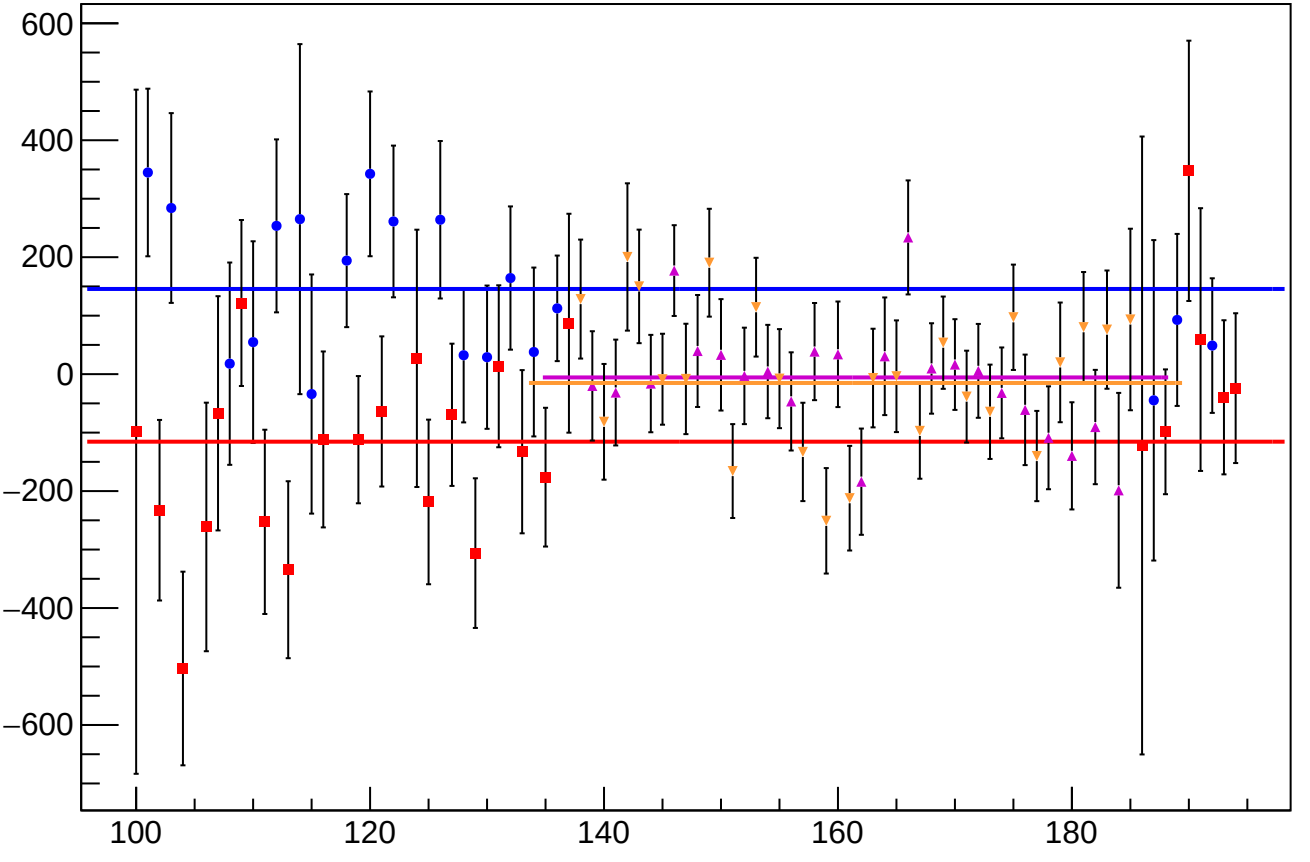
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 940.156+/-0.131 χ^2/NDF: 4821472.2/43

All: 955.703+/-0.094 χ^2/NDF: 11683723.6/91

- sign 972.167+/-0.135 χ^2/NDF: 6833336.4/47

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: -115.509+/-30.095 χ^2/NDF: 23.8/24

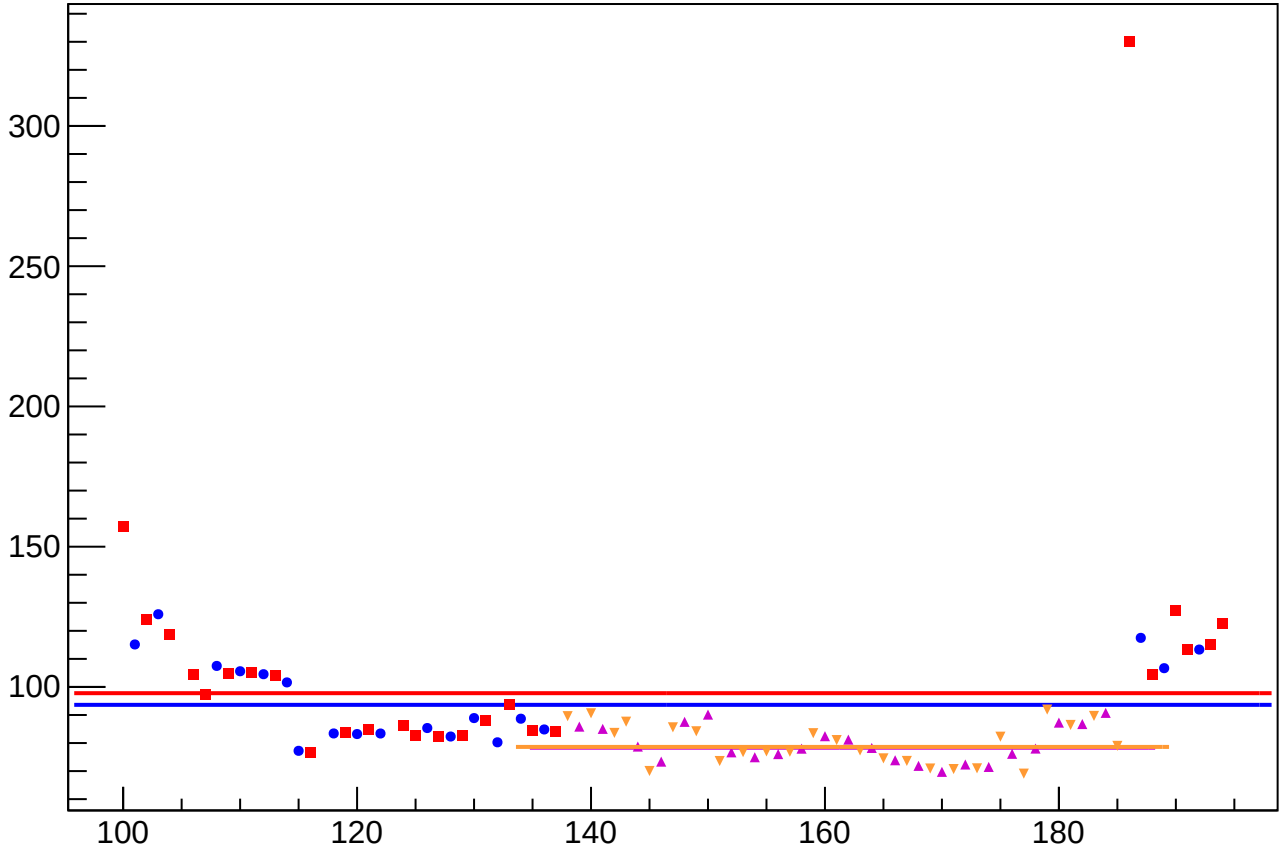
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 23.849+/-15.631 χ^2/NDF: 73.6/43

All: -5.710+/-11.073 χ^2/NDF: 137.4/91

- sign -35.481+/-15.687 χ^2/NDF: 56.5/47

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

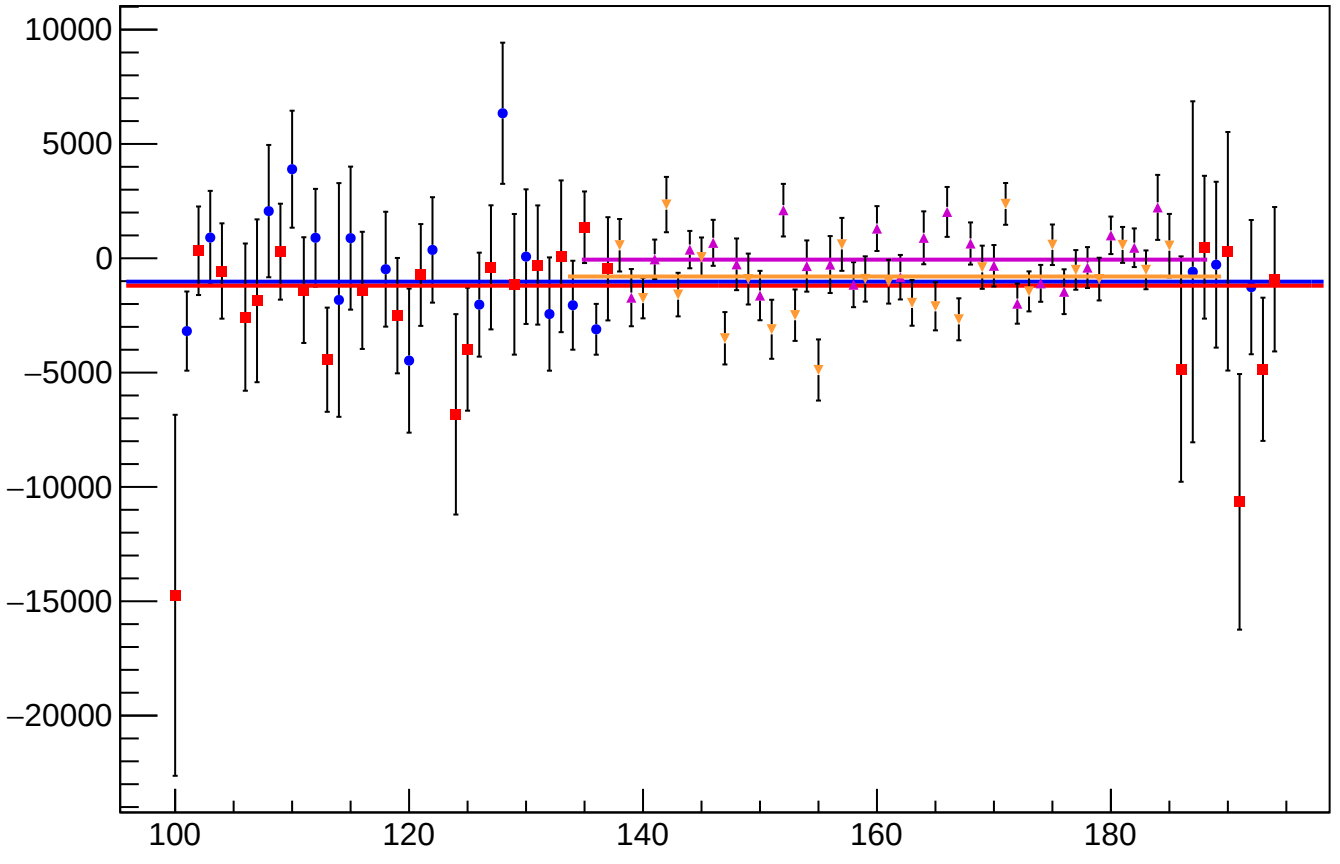
Right Out: 97.777+/-0.021 χ^2/NDF: 905296.4/24

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 82.252+/-0.011 χ^2/NDF: 1021213.7/43

All: 82.932+/-0.008 χ^2/NDF: 2751205.7/91

- sign 83.617+/-0.011 χ^2/NDF: 1722390.3/47



Right In: -1023.903+/-533.509 χ^2/NDF: 20.3/18

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1200.055+/-534.899 χ^2/NDF: 17.7/24

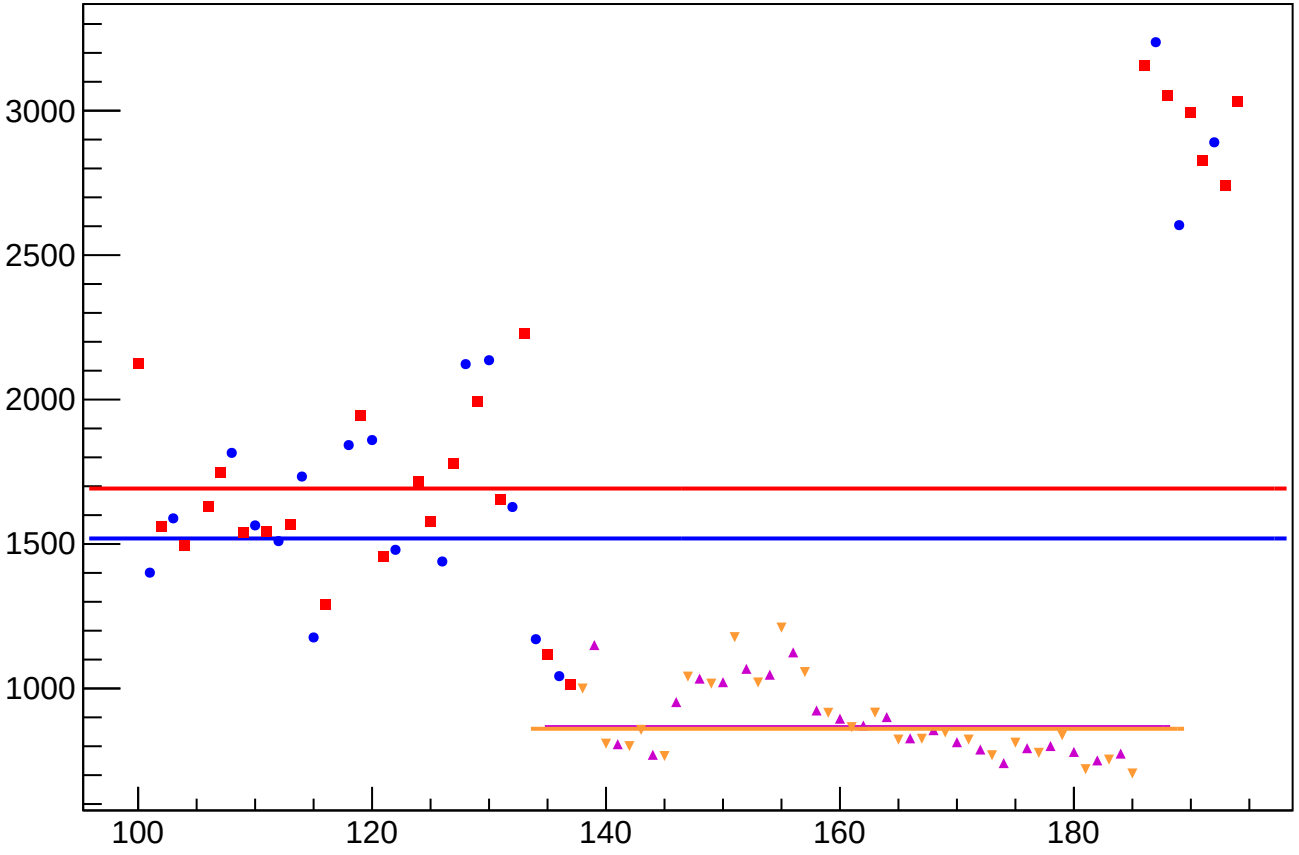
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.441+/-185.533 χ^2/NDF: 79.9/43

All: -523.590+/-133.070 χ^2/NDF: 137.5/91

- sign -204.866+/-190.965 χ^2/NDF: 52.2/47

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: 1692.079+/-0.378 χ^2/NDF: 2026224.5/24

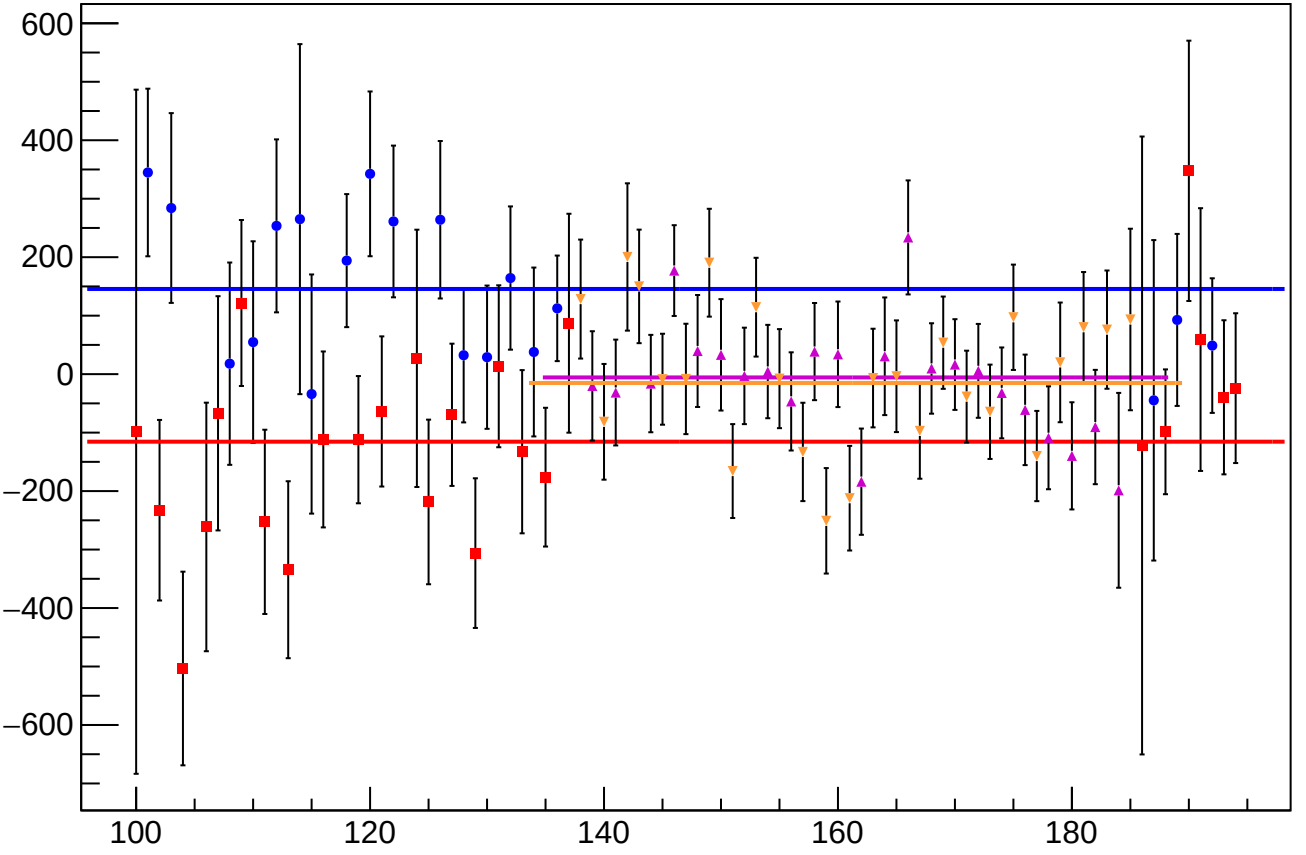
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 940.156+/-0.131 χ^2/NDF: 4821493.0/43

All: 955.423+/-0.094 χ^2/NDF: 11647457.1/91

- sign 971.596+/-0.135 χ^2/NDF: 6798076.9/47

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: -115.509+/-30.095 χ^2/NDF: 23.8/24

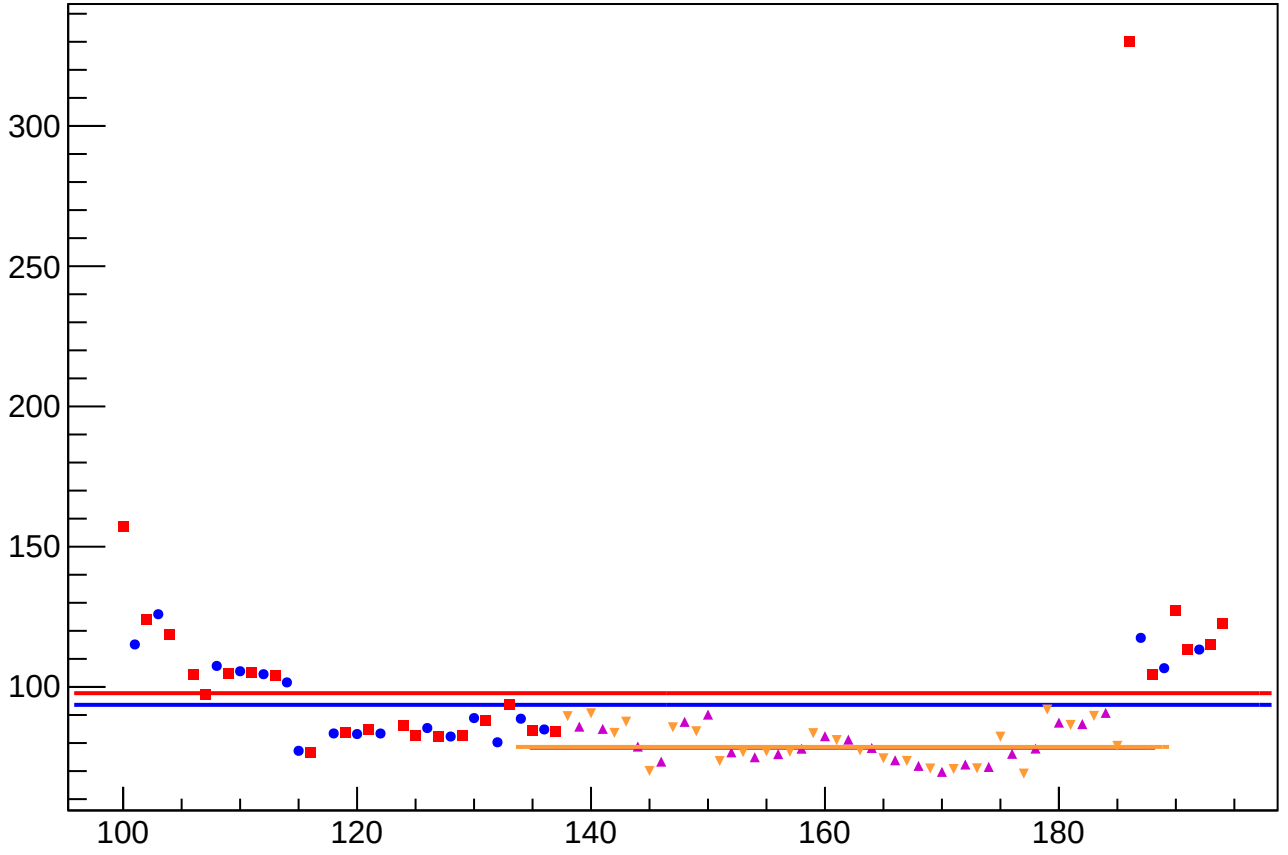
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 23.849+/-15.631 χ^2/NDF: 73.6/43

All: -5.710+/-11.073 χ^2/NDF: 137.4/91

- sign -35.481+/-15.687 χ^2/NDF: 56.5/47

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

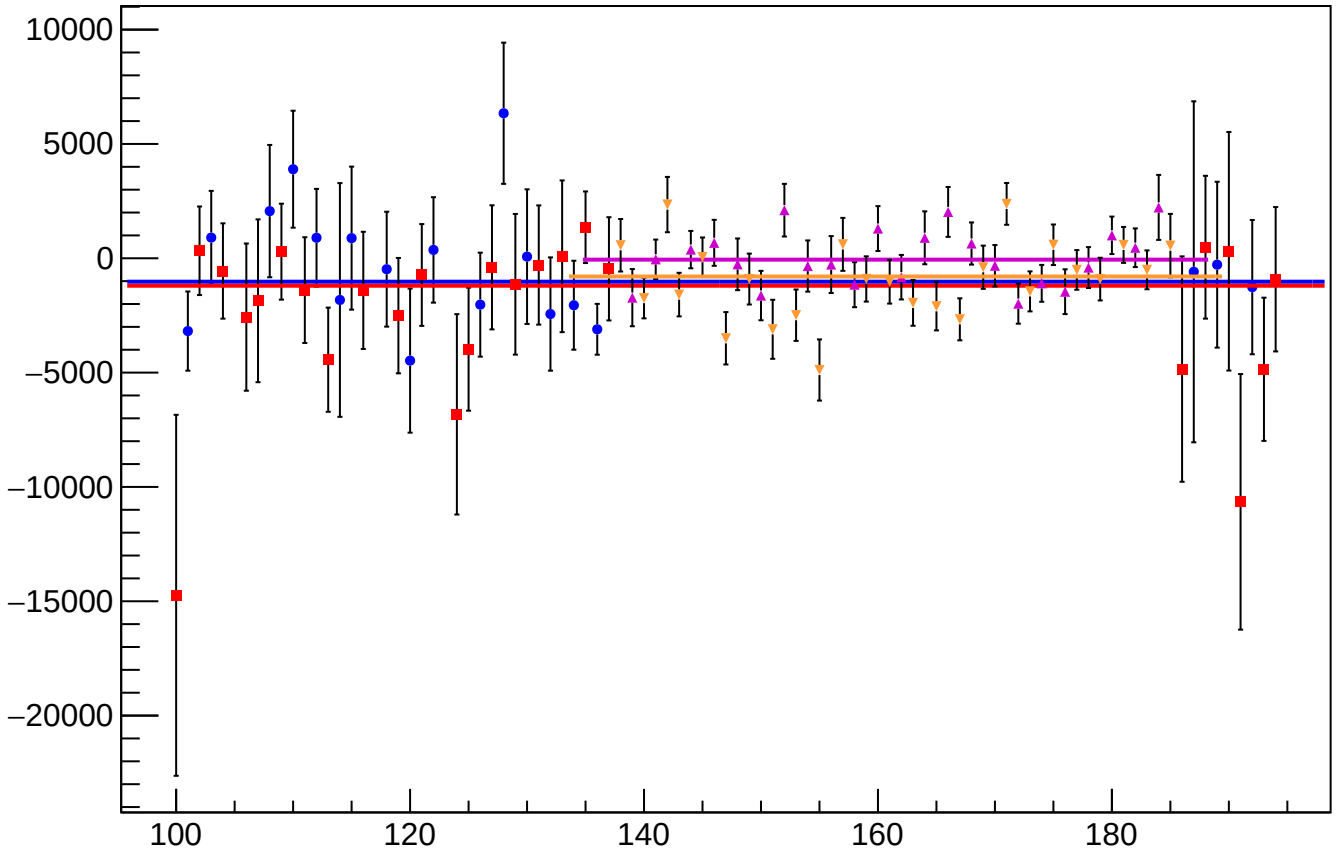
Right Out: 97.777+/-0.021 χ^2/NDF: 905296.4/24

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 82.252+/-0.011 χ^2/NDF: 1021213.7/43

All: 82.932+/-0.008 χ^2/NDF: 2751205.7/91

- sign 83.617+/-0.011 χ^2/NDF: 1722390.3/47



Right In: -1023.903+/-533.509 χ^2/NDF: 20.3/18

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

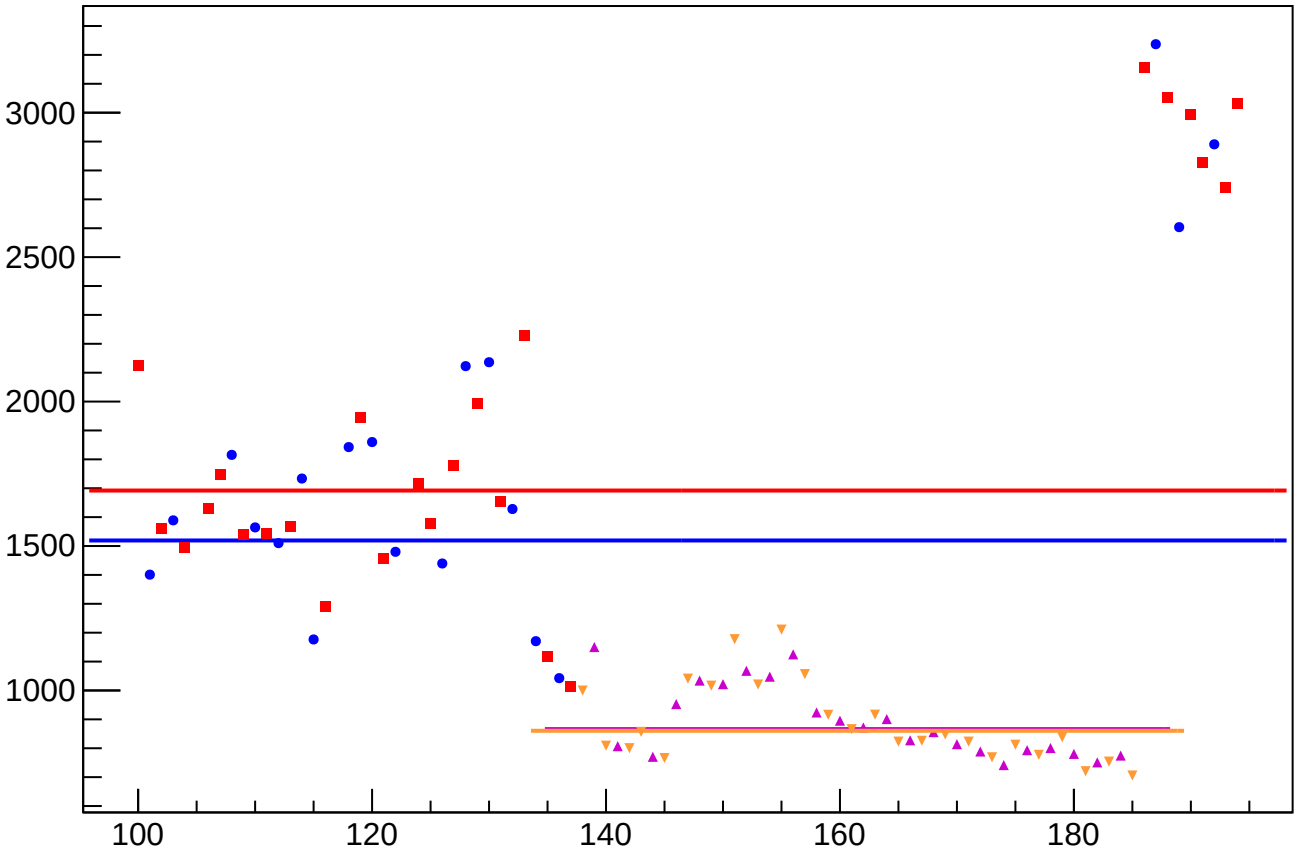
Right Out: -1200.055+/-534.899 χ^2/NDF: 17.7/24

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.441+/-185.533 χ^2/NDF: 79.9/43

All: -523.590+/-133.070 χ^2/NDF: 137.5/91

- sign -204.866+/-190.965 χ^2/NDF: 52.2/47



Right In: 1519.218+/-0.377 χ^2/NDF: 1441985.4/18

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1692.079+/-0.378 χ^2/NDF: 2026224.5/24

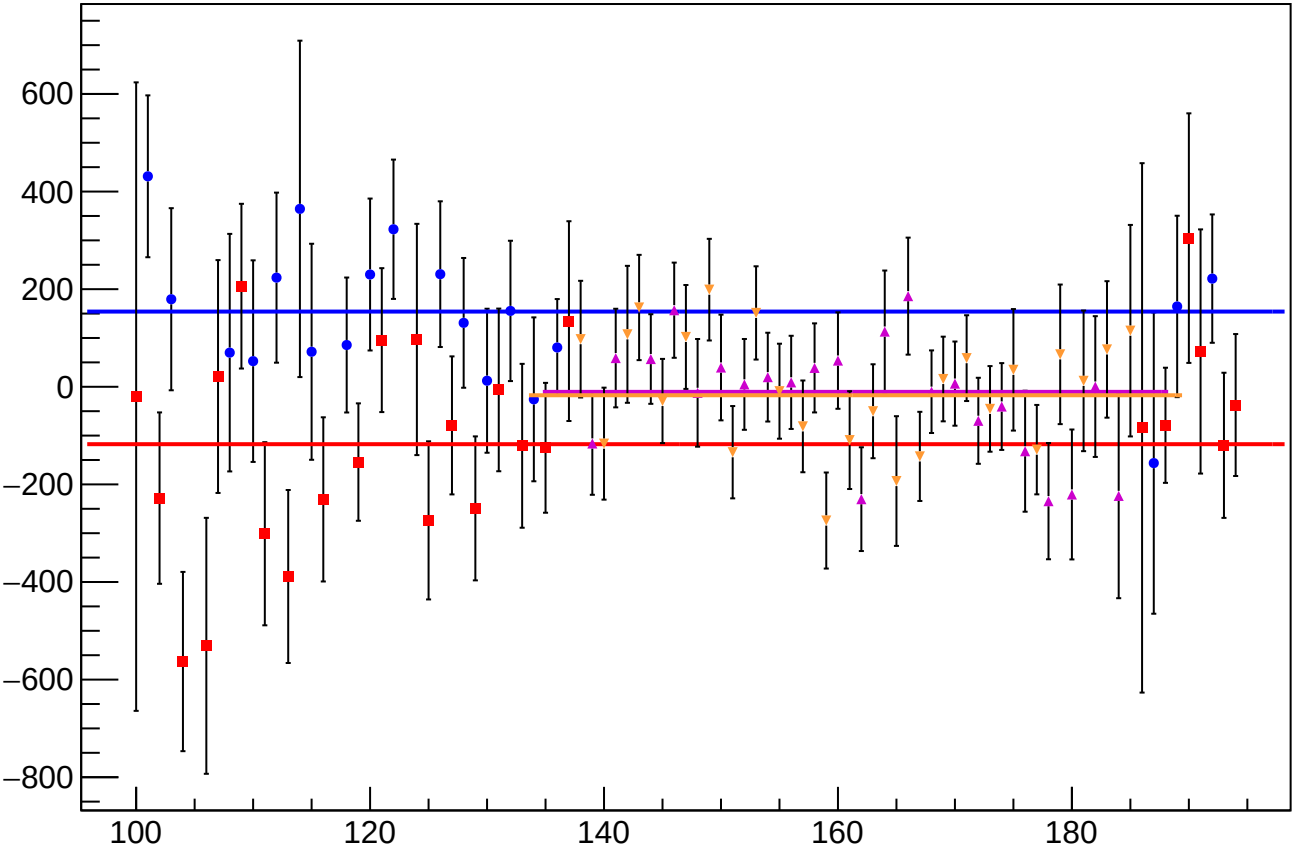
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 940.156+/-0.131 χ^2/NDF: 4821493.0/43

All: 955.423+/-0.094 χ^2/NDF: 11647457.1/91

- sign 971.596+/-0.135 χ^2/NDF: 6798076.9/47

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: -117.611+/-34.397 χ^2/NDF: 27.0/24

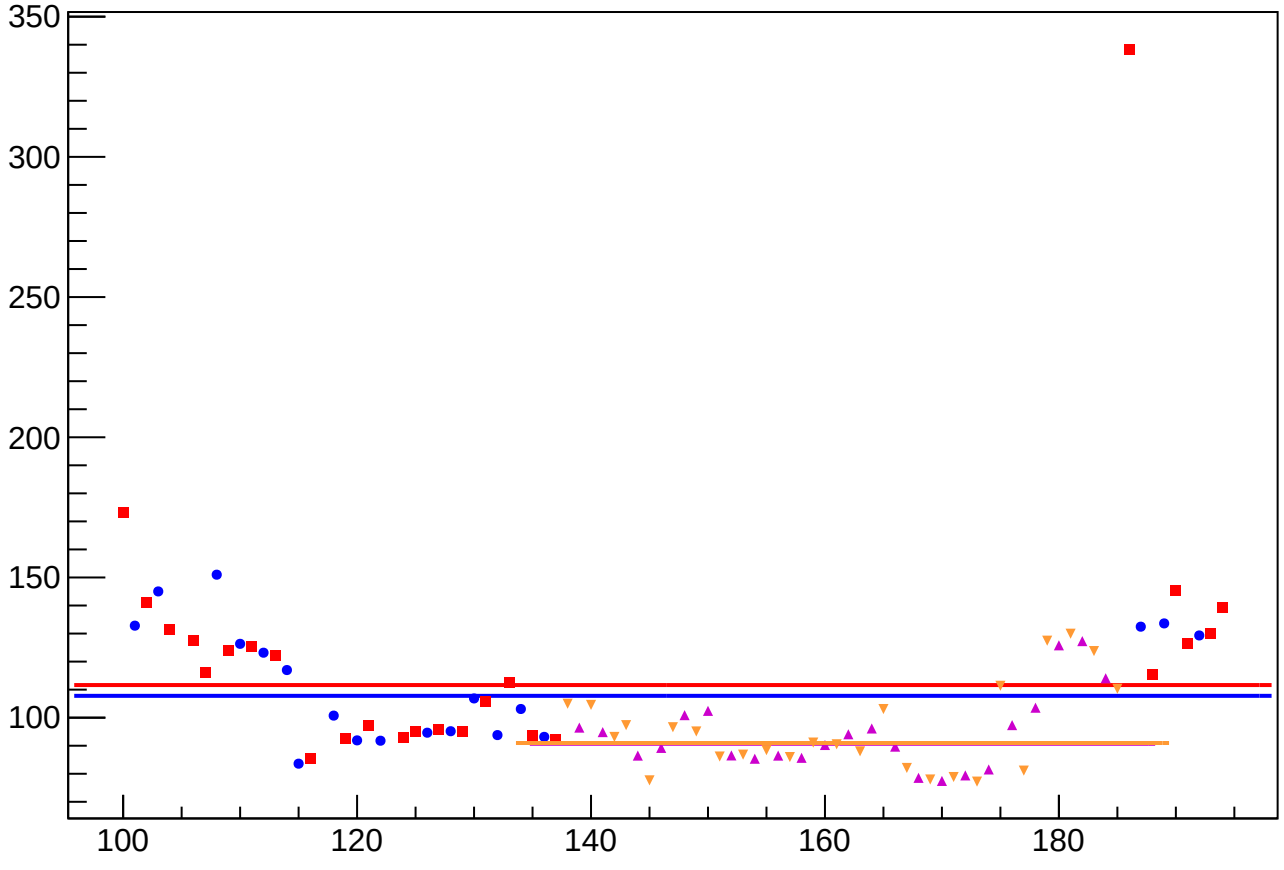
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 24.789+/-18.226 χ^2/NDF: 57.5/43

All: -7.859+/-12.890 χ^2/NDF: 120.6/91

- sign -40.534+/-18.234 χ^2/NDF: 56.7/47

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 107.790+/-0.026 χ^2/NDF: 499115.0/18

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

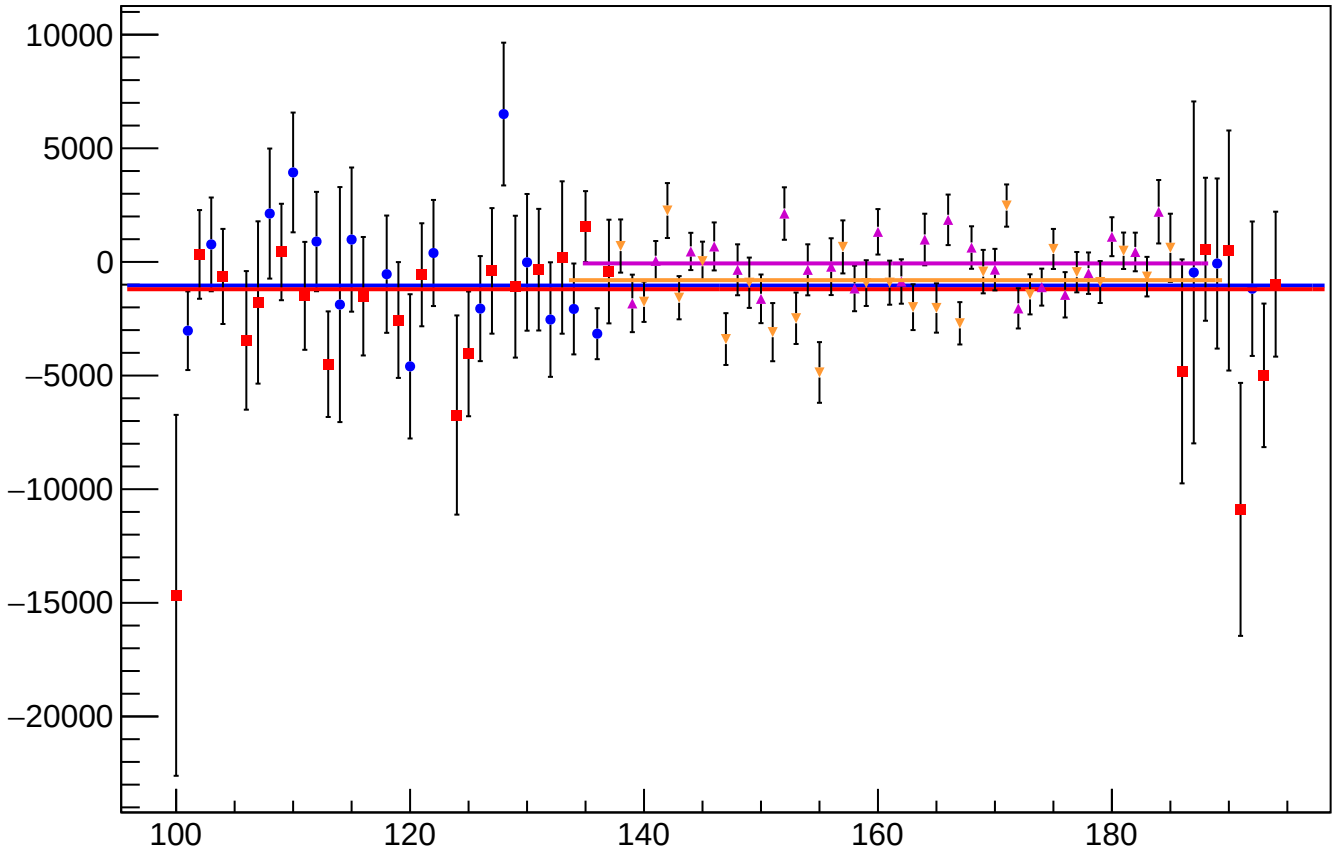
Right Out: 111.636+/-0.024 χ^2/NDF: 887387.4/24

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

\+ sign 95.102+/-0.013 χ^2/NDF: 1599521.5/43

All: 95.838+/-0.009 χ^2/NDF: 3572635.9/91

\- sign 96.576+/-0.013 χ^2/NDF: 1966578.4/47



Right In: -1039.608+/-540.807 χ^2/NDF: 20.1/18

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1201.870+/-539.757 χ^2/NDF: 18.8/24

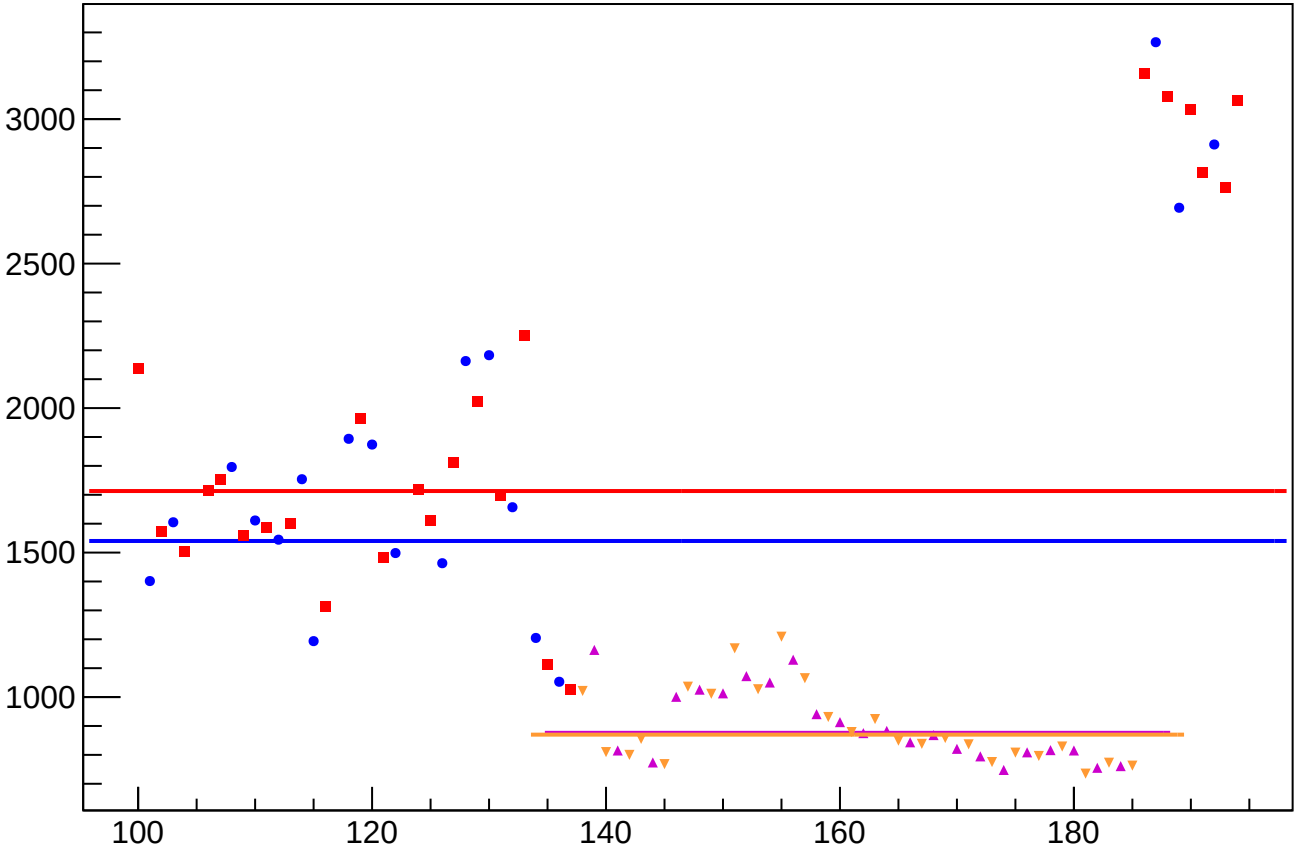
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -831.017+/-187.461 χ^2/NDF: 78.6/43

All: -529.840+/-134.474 χ^2/NDF: 137.3/91

- sign -210.562+/-193.011 χ^2/NDF: 53.4/47

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1540.151+/-0.382 χ^2/NDF: 1455459.2/18

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1712.985+/-0.382 χ^2/NDF: 2028872.9/24

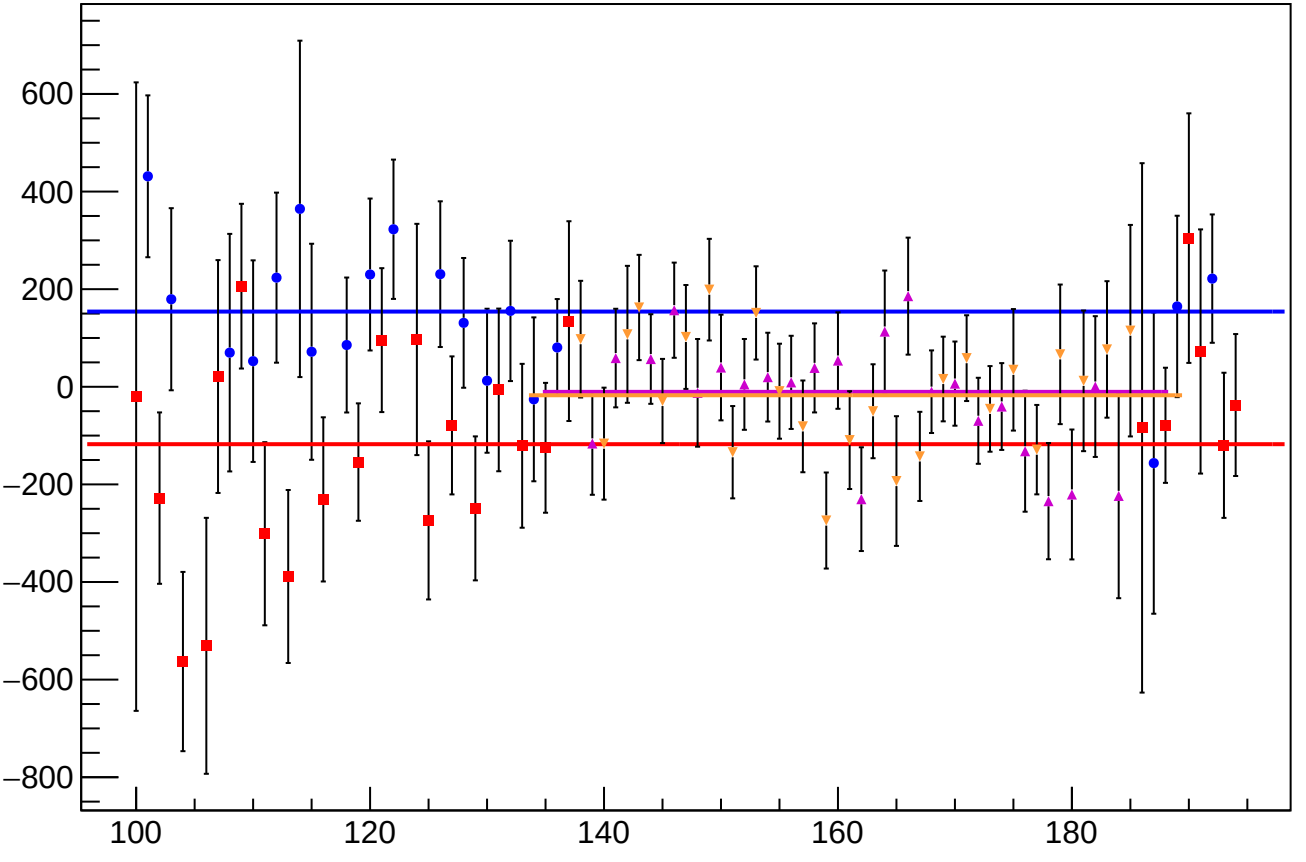
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 950.528+/-0.133 χ^2/NDF: 4804733.9/43

All: 966.418+/-0.095 χ^2/NDF: 11651886.3/91

- sign 983.264+/-0.136 χ^2/NDF: 6817547.6/47

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: -117.611+/-34.397 χ^2/NDF: 27.0/24

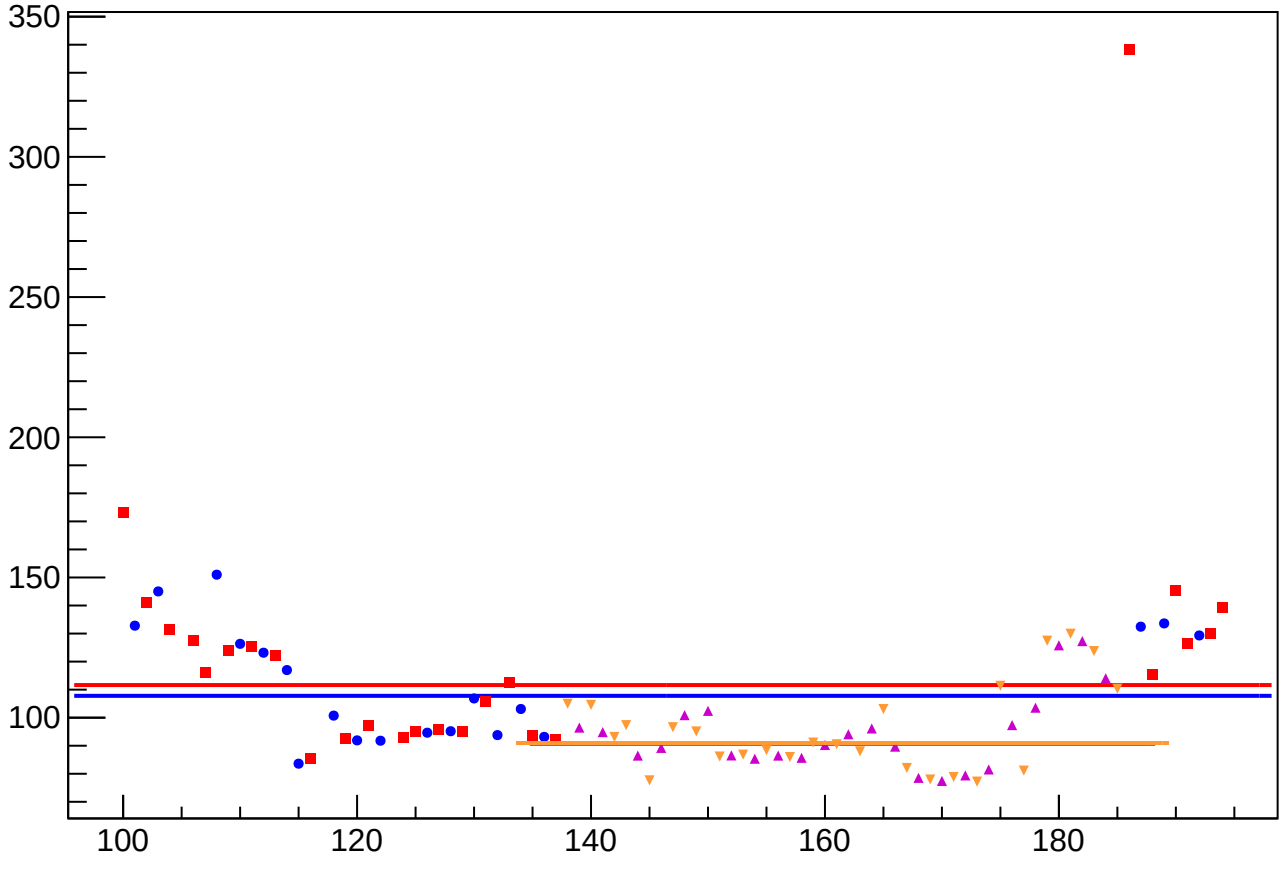
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 24.789+/-18.226 χ^2/NDF: 57.5/43

All: -7.859+/-12.890 χ^2/NDF: 120.6/91

- sign -40.534+/-18.233 χ^2/NDF: 56.7/47

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

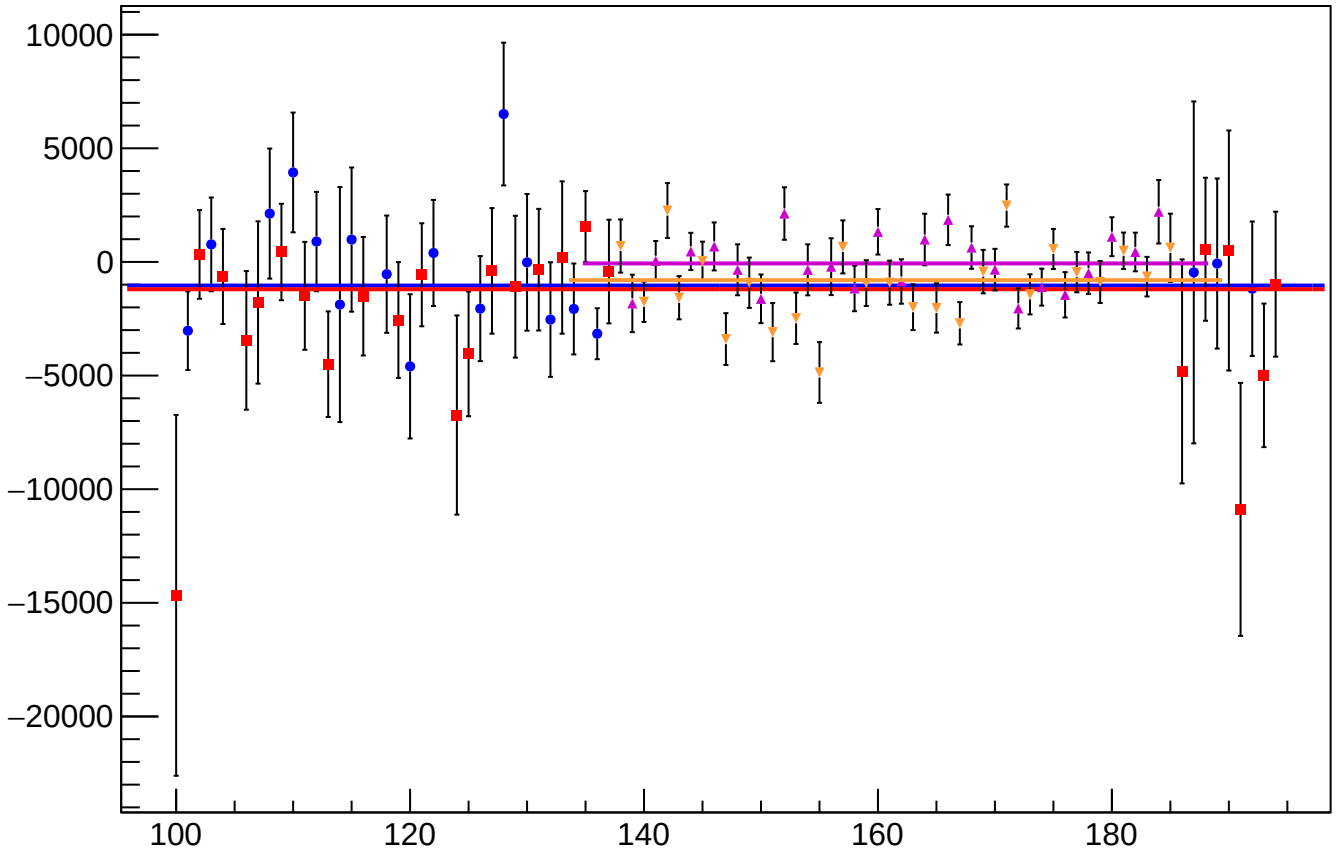
Right Out: 111.635+/-0.024 χ^2/NDF: 887395.6/24

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 95.102+/-0.013 χ^2/NDF: 1599496.8/43

All: 95.838+/-0.009 χ^2/NDF: 3572581.9/91

- sign 96.575+/-0.013 χ^2/NDF: 1966549.6/47



Right In: -1039.604+/-540.806 χ^2/NDF: 20.1/18

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

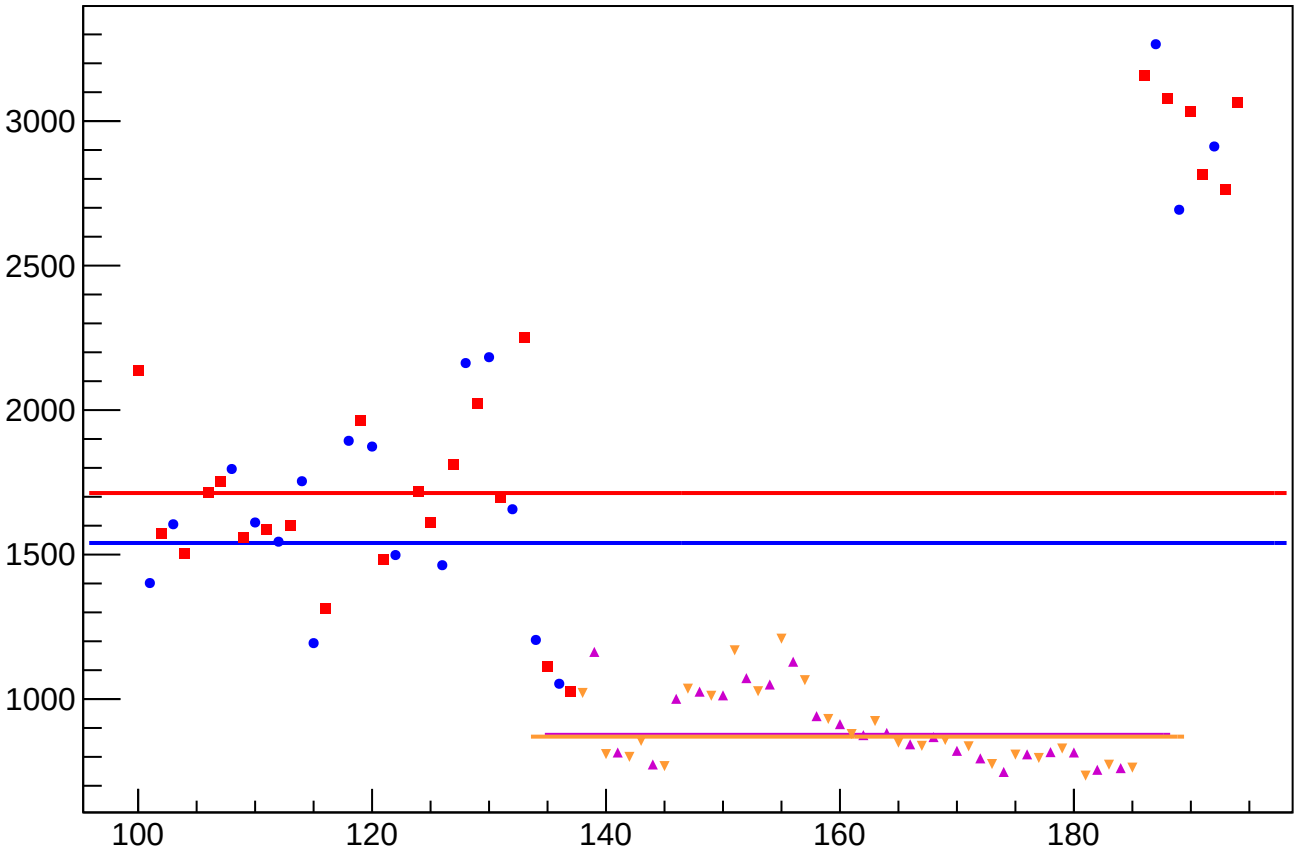
Right Out: -1201.869+/-539.756 χ^2/NDF: 18.8/24

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -831.016+/-187.460 χ^2/NDF: 78.6/43

All: -529.840+/-134.474 χ^2/NDF: 137.3/91

- sign -210.562+/-193.011 χ^2/NDF: 53.4/47



Right In: 1540.148+/-0.382 χ^2/NDF: 1455457.6/18

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1712.982+/-0.382 χ^2/NDF: 2028877.1/24

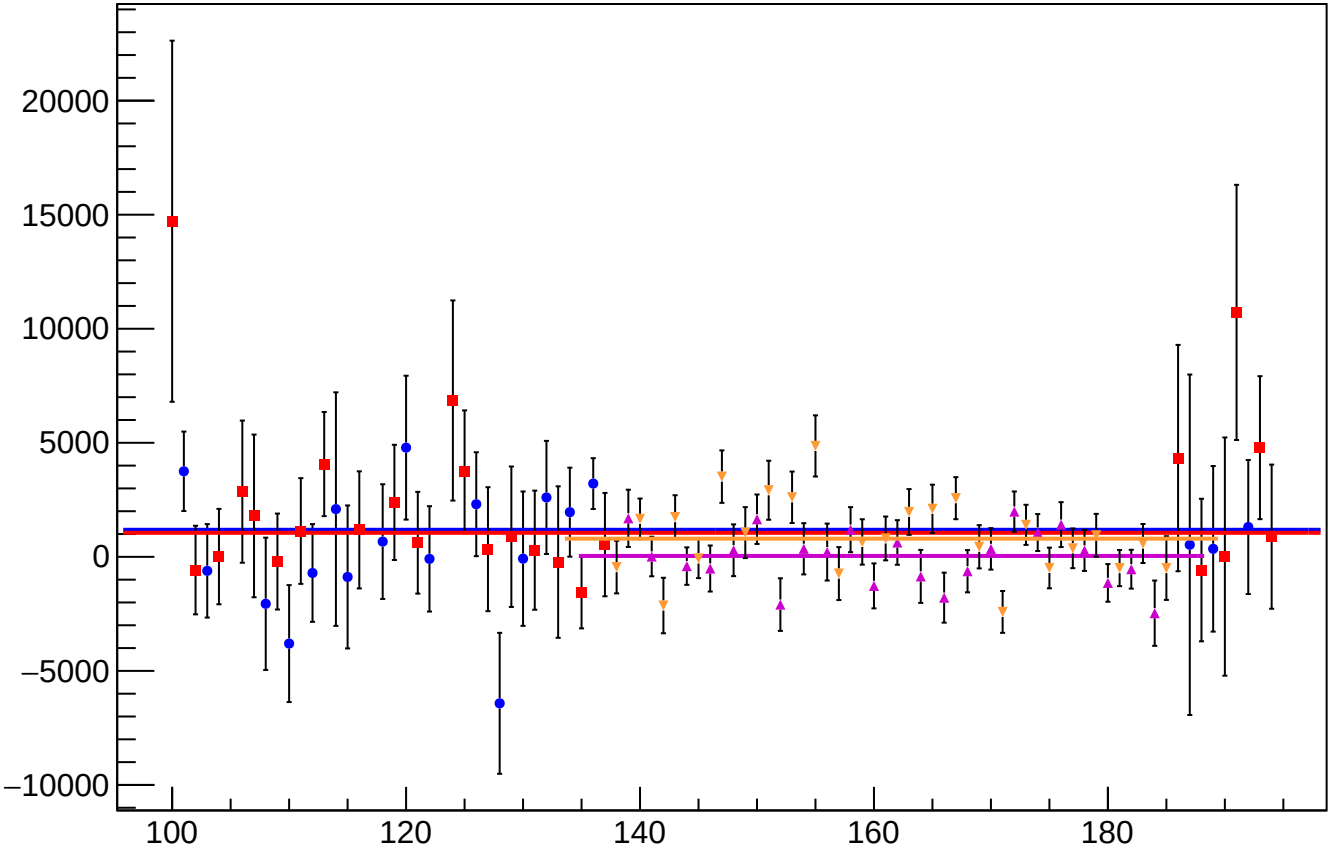
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 950.527+/-0.133 χ^2/NDF: 4804727.0/43

All: 966.418+/-0.095 χ^2/NDF: 11651873.7/91

- sign 983.263+/-0.136 χ^2/NDF: 6817542.2/47

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: 1054.277+/-535.498 χ^2/NDF: 17.8/24

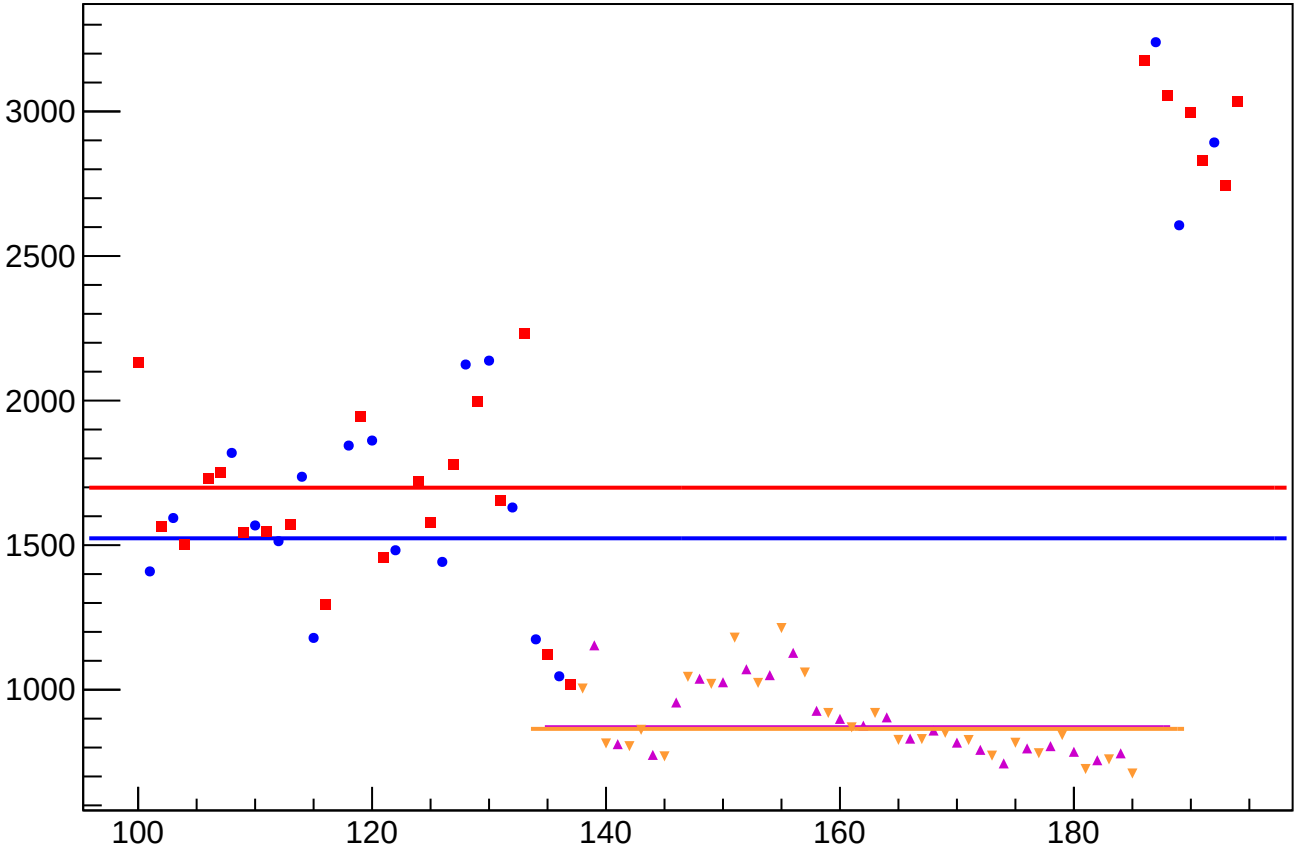
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 843.602+/-186.349 χ^2/NDF: 78.9/43

All: 516.303+/-133.632 χ^2/NDF: 135.8/91

- sign 169.809+/-191.735 χ^2/NDF: 50.6/47

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

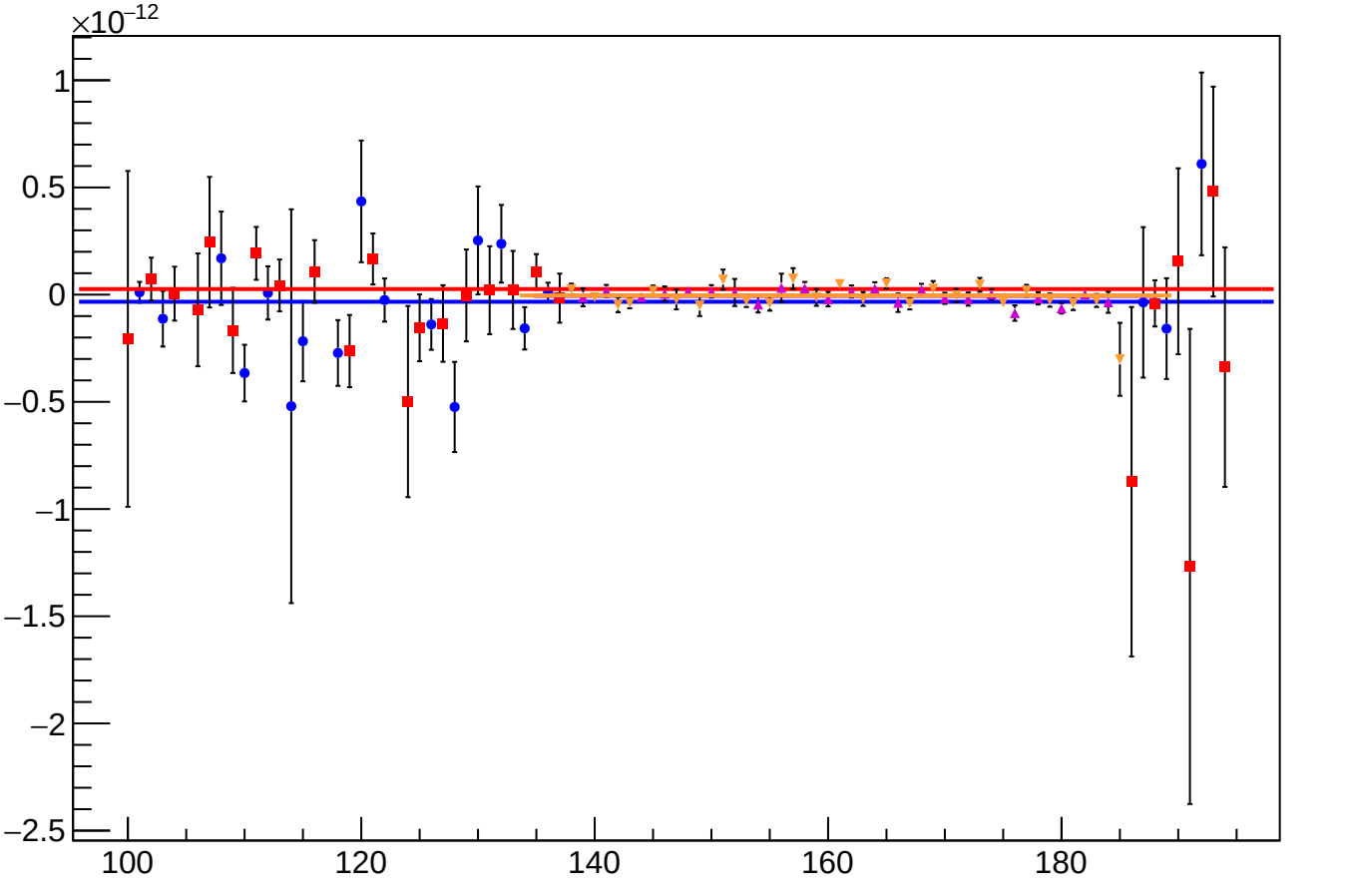
Right Out: 1698.768+/-0.379 χ^2/NDF: 2019347.0/24

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 944.619+/-0.132 χ^2/NDF: 4789914.9/43

All: 960.130+/-0.094 χ^2/NDF: 11615167.6/91

- sign 976.550+/-0.136 χ^2/NDF: 6796728.9/47



Right In: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

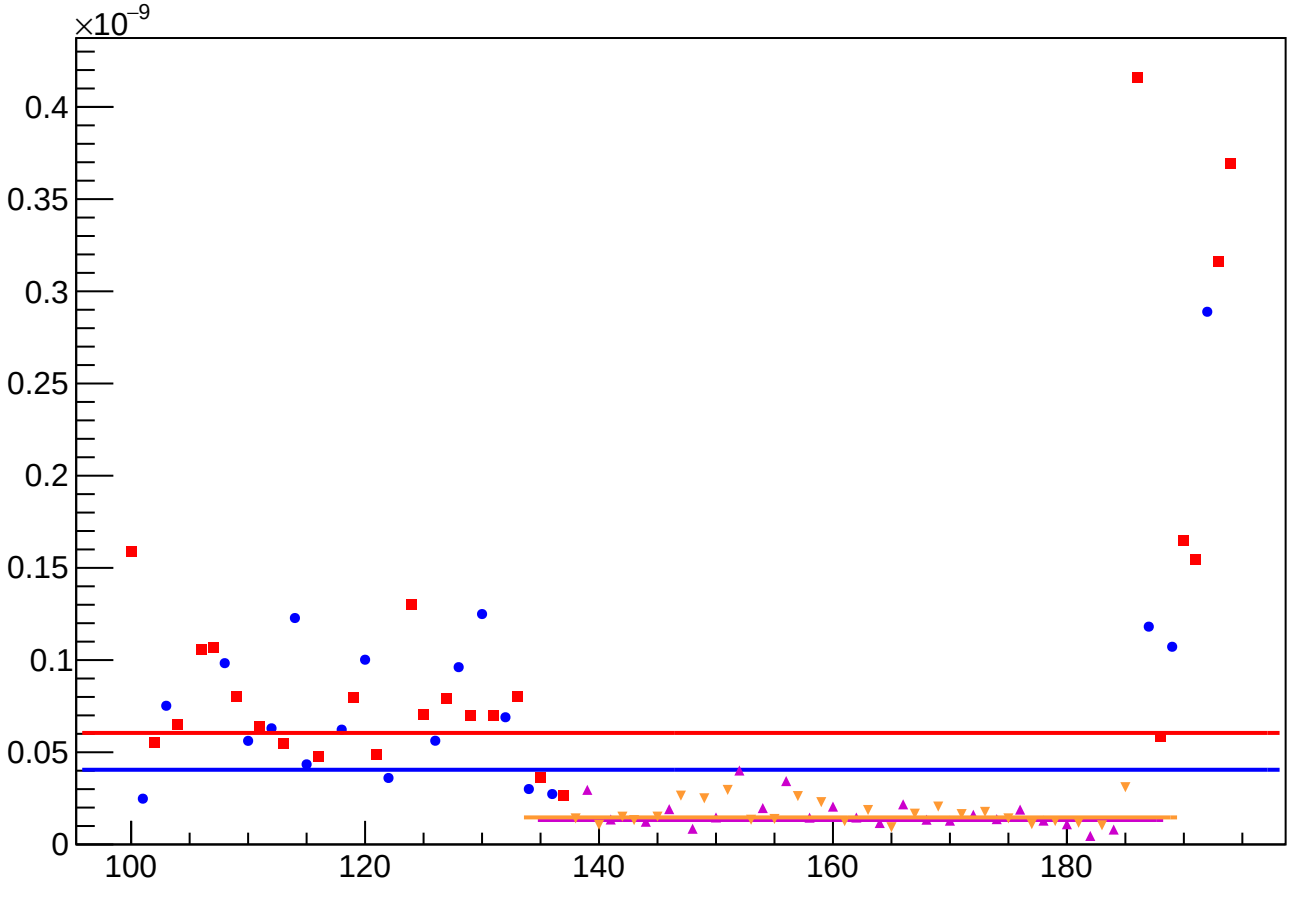
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/24

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.0/43

All: -0.000+/-0.000 χ^2/NDF: 109.0/91

- sign -0.000+/-0.000 χ^2/NDF: 39.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 2333444.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

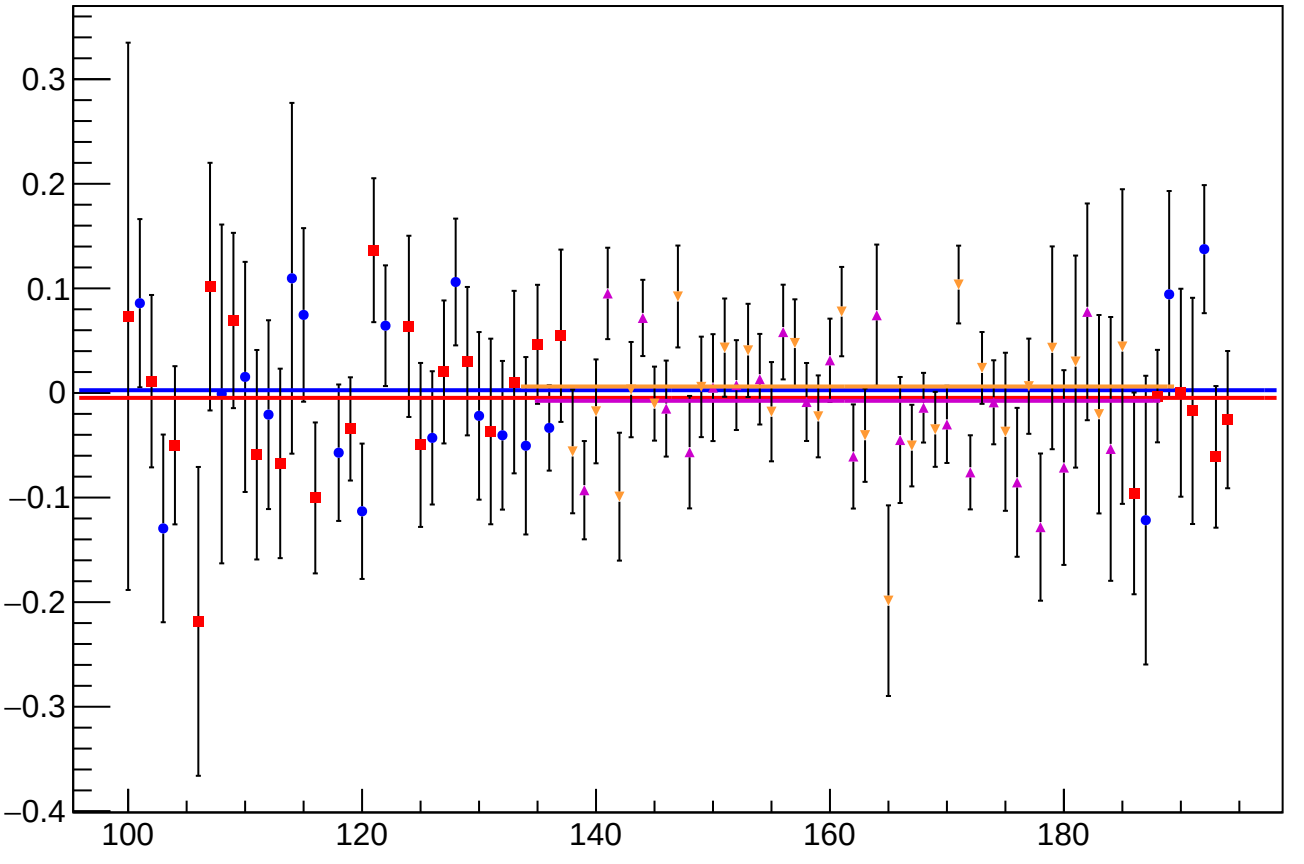
Right Out: 0.000+/-0.000 χ^2/NDF: 2352299.7/24

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5458664.7/43

All: 0.000+/-0.000 χ^2/NDF: 14032310.8/91

- sign 0.000+/-0.000 χ^2/NDF: 8530121.0/47



Right In: 0.003+/-0.017 χ^2/NDF: 21.2/18

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.005+/-0.015 χ^2/NDF: 15.8/24

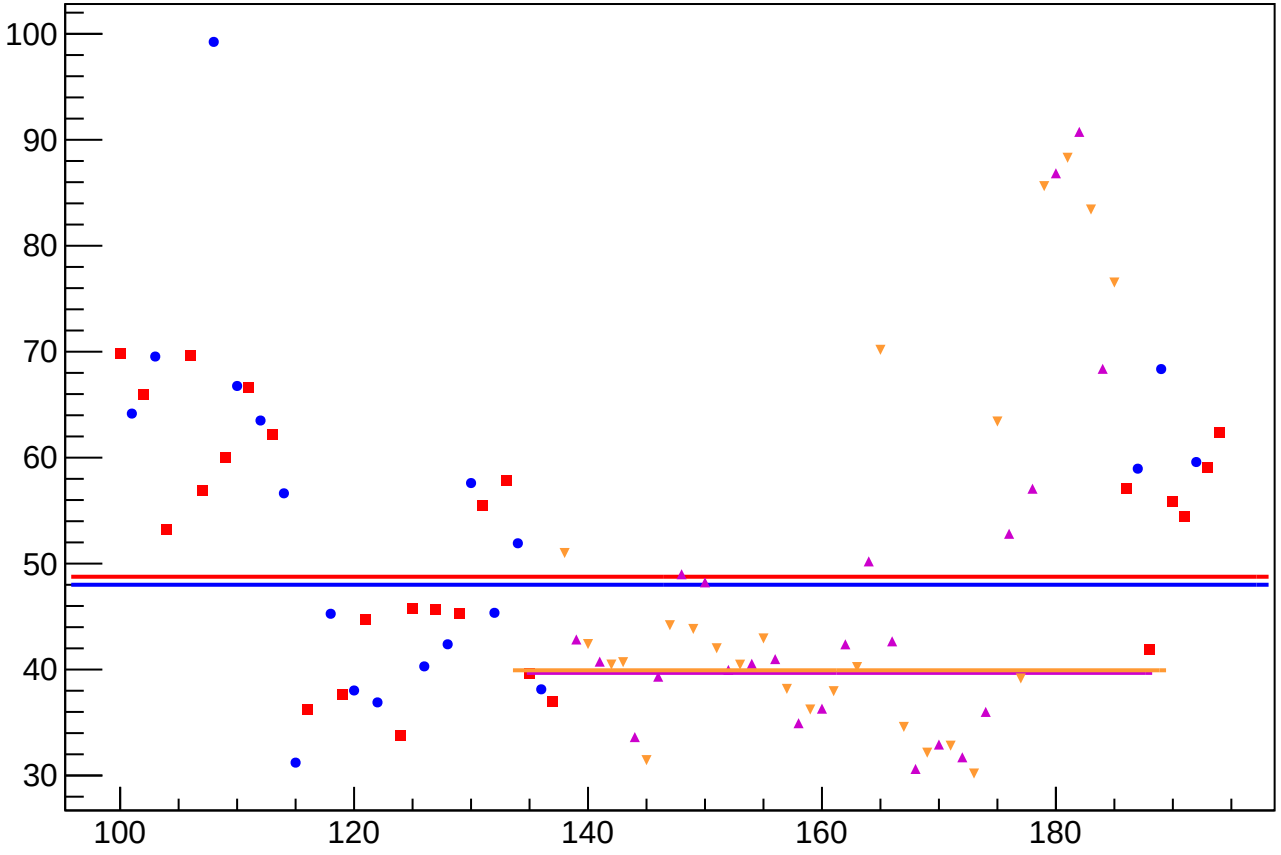
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.1/43

All: -0.001+/-0.006 χ^2/NDF: 99.4/91

- sign -0.007+/-0.008 χ^2/NDF: 46.3/47

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

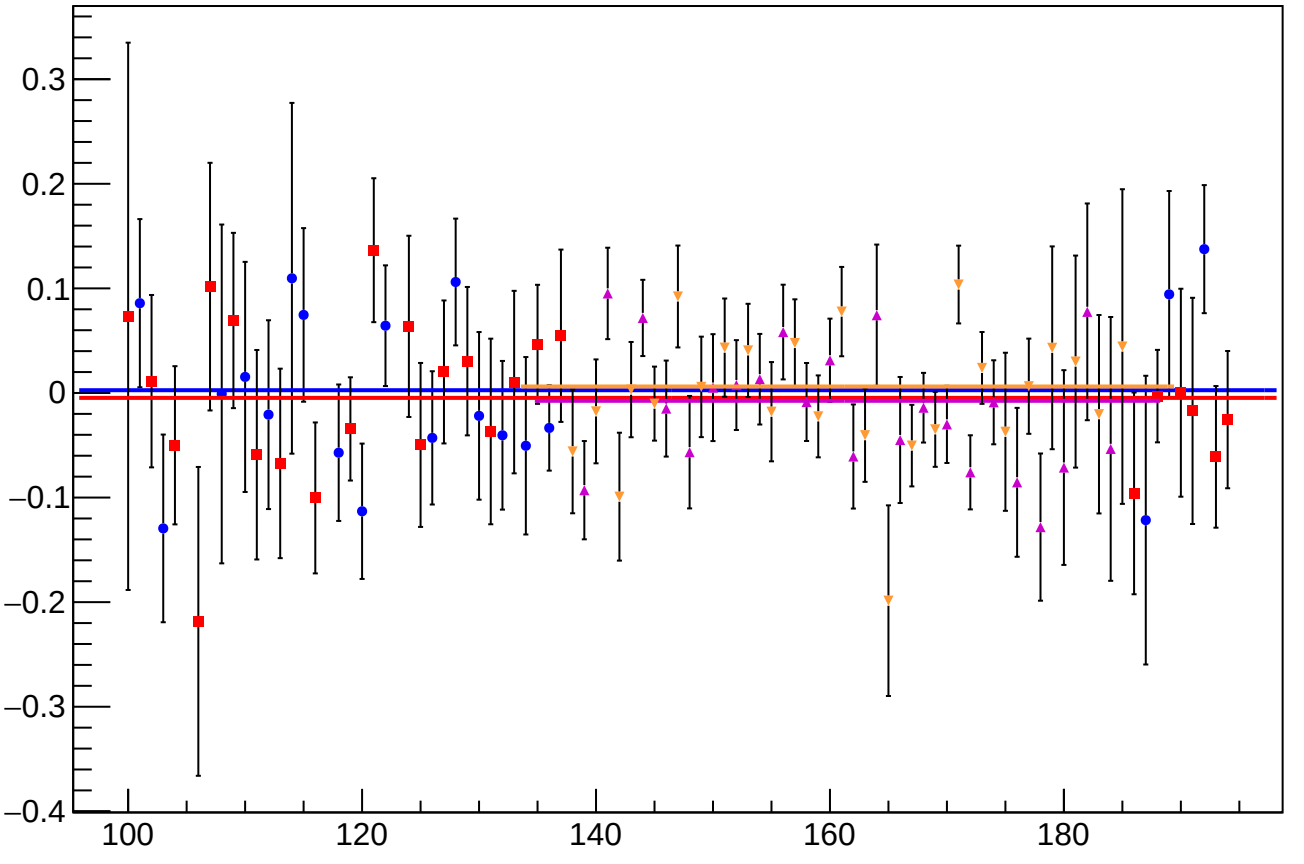
Right Out: 48.760+/-0.011 χ^2/NDF: 875713.7/24

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.895+/-0.006 χ^2/NDF: 3915528.2/43

All: 42.117+/-0.004 χ^2/NDF: 7212760.2/91

- sign 42.333+/-0.006 χ^2/NDF: 3294427.6/47



Right In: 0.003+/-0.017 χ^2/NDF: 21.2/18

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

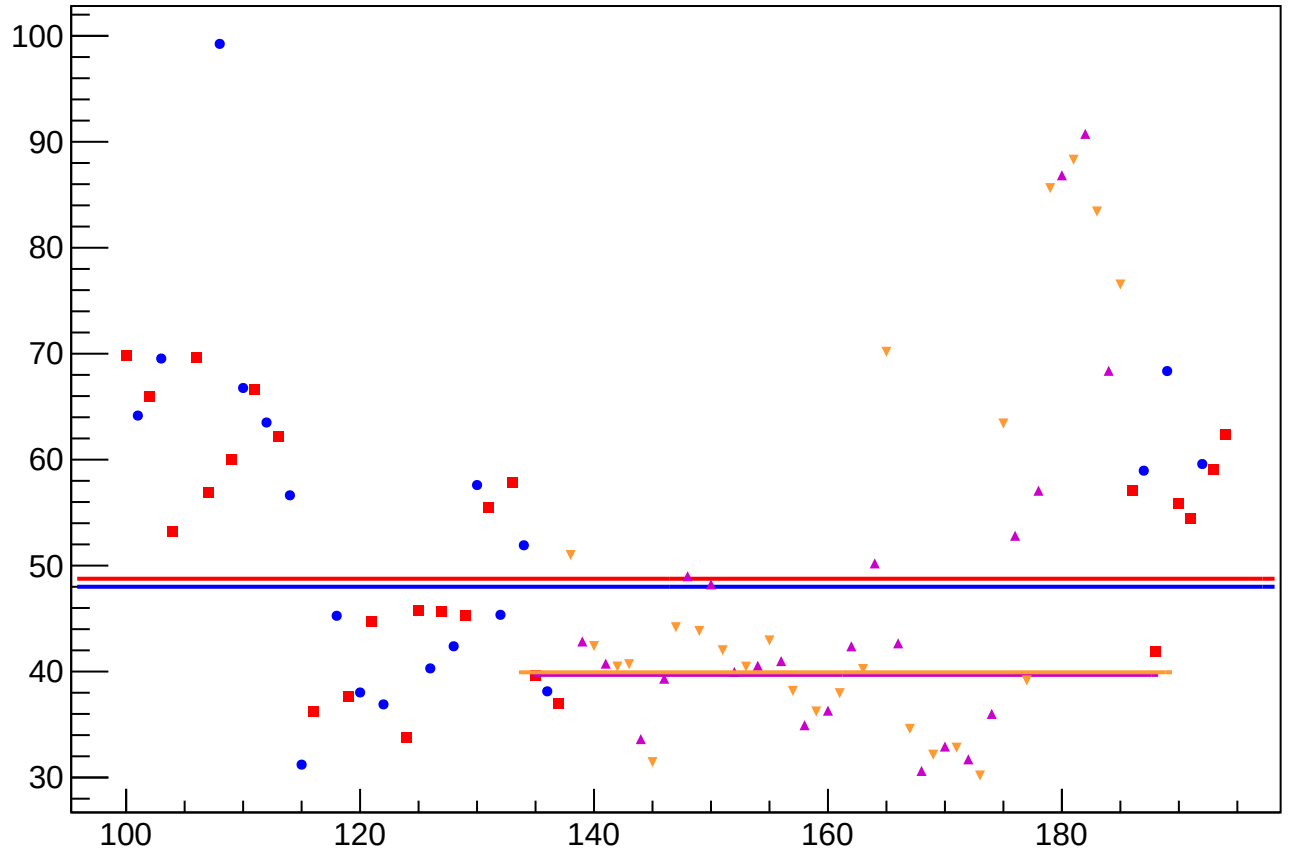
Right Out: -0.005+/-0.015 χ^2/NDF: 15.8/24

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.1/43

All: -0.001+/-0.006 χ^2/NDF: 99.4/91

- sign -0.007+/-0.008 χ^2/NDF: 46.3/47



Right In: 48.003+/-0.012 χ^2/NDF: 1093810.0/18

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

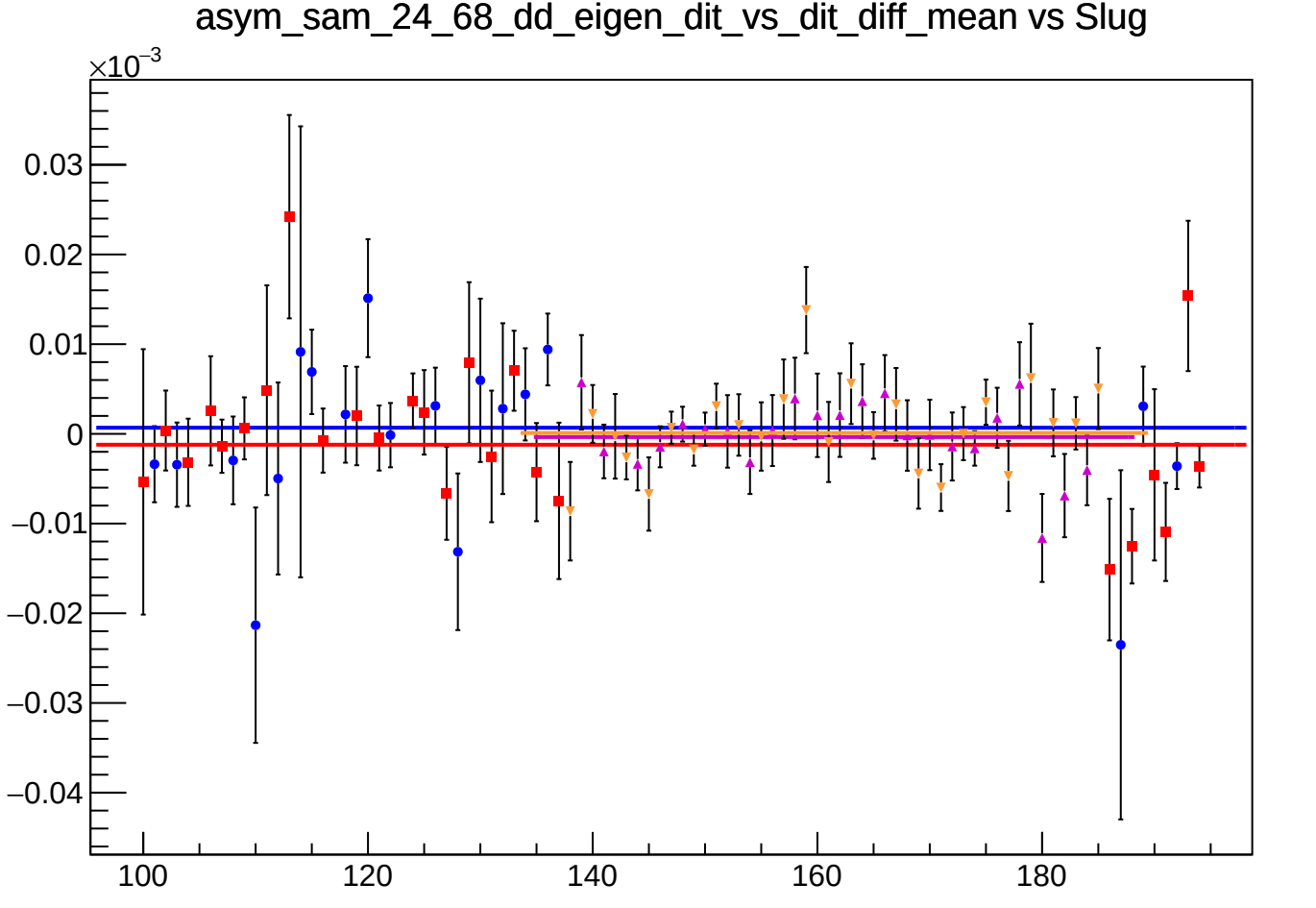
Right Out: 48.760+/-0.011 χ^2/NDF: 875713.7/24

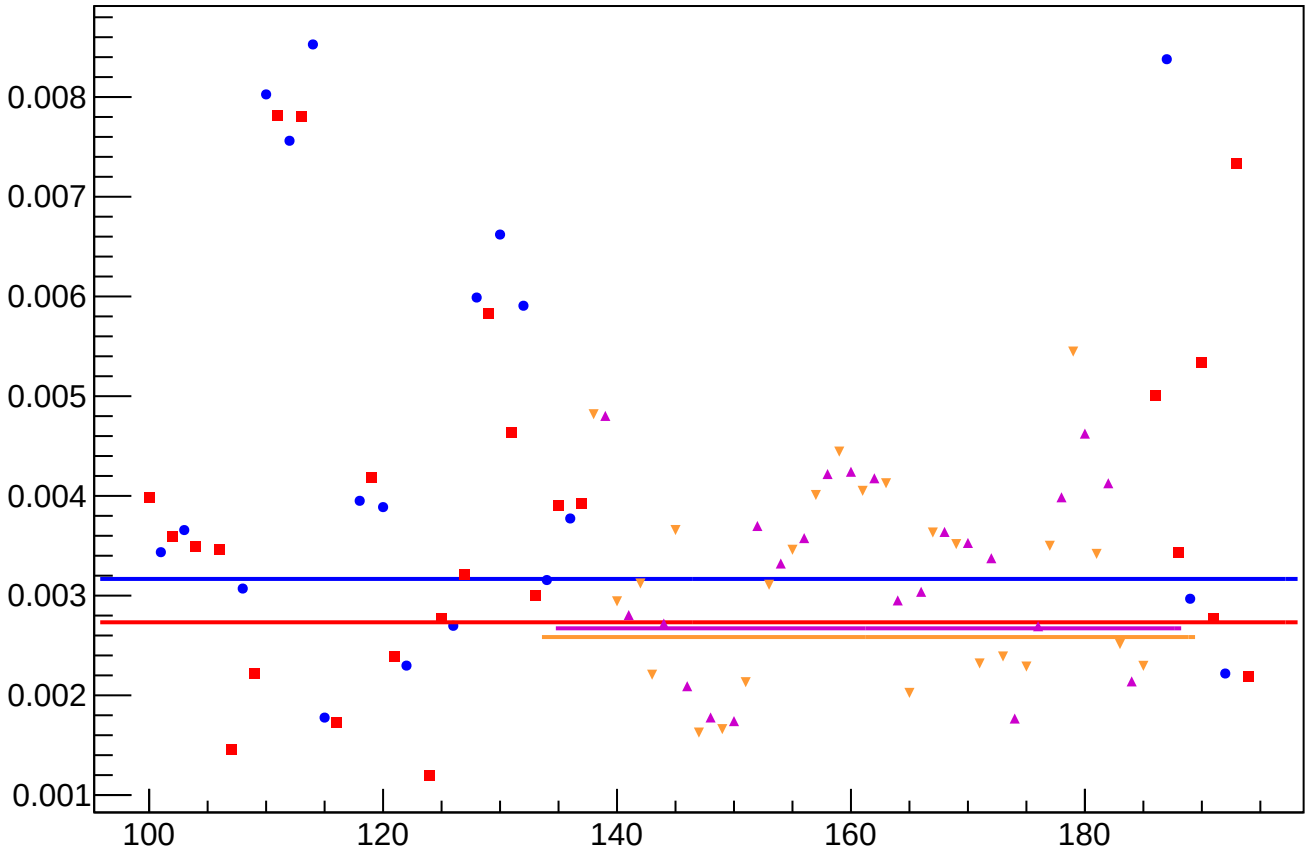
Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.895+/-0.006 χ^2/NDF: 3915528.2/43

All: 42.117+/-0.004 χ^2/NDF: 7212760.2/91

- sign 42.333+/-0.006 χ^2/NDF: 3294427.6/47


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 25.3/18
Left Out: 0.000+/-0.000 χ²/NDF:33.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.2/24
Left In: -0.000+/-0.000 χ²/NDF:18.7/22
+ sign 0.000+/-0.000 χ²/NDF: 58.7/43
All: -0.000+/-0.000 χ²/NDF: 114.4/91
- sign -0.000+/-0.000 χ²/NDF: 54.4/47



Right In: 0.003+/-0.000 χ^2/NDF: 2247442.1/18

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

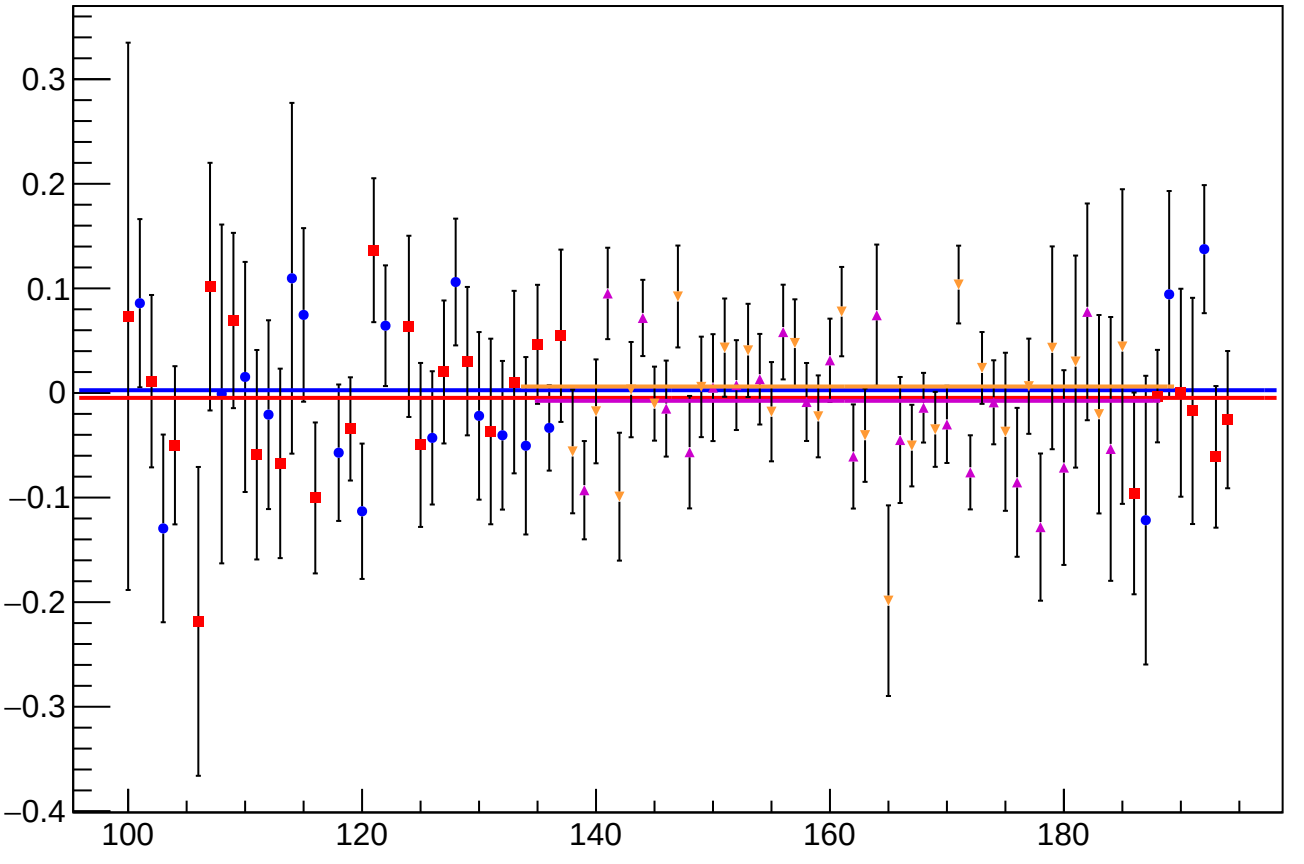
Right Out: 0.003+/-0.000 χ^2/NDF: 3794534.8/24

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 6528974.6/43

All: 0.003+/-0.000 χ^2/NDF: 14156466.8/91

- sign 0.003+/-0.000 χ^2/NDF: 7625780.4/47



Right In: 0.003+/-0.017 χ^2/NDF: 21.2/18

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

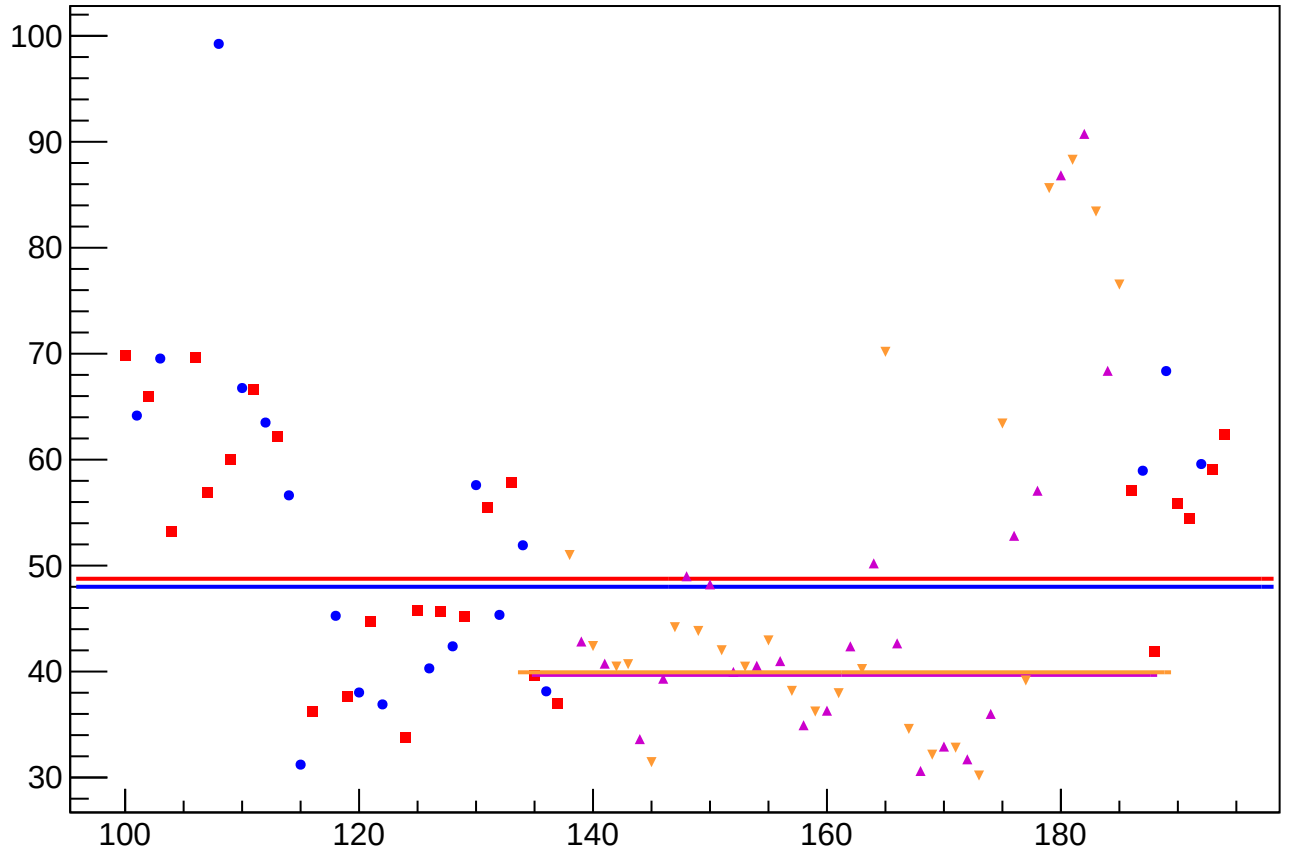
Right Out: -0.005+/-0.015 χ^2/NDF: 15.8/24

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.1/43

All: -0.001+/-0.006 χ^2/NDF: 99.4/91

- sign -0.007+/-0.008 χ^2/NDF: 46.3/47



Right In: 48.002+/-0.012 χ^2/NDF: 1093802.7/18

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

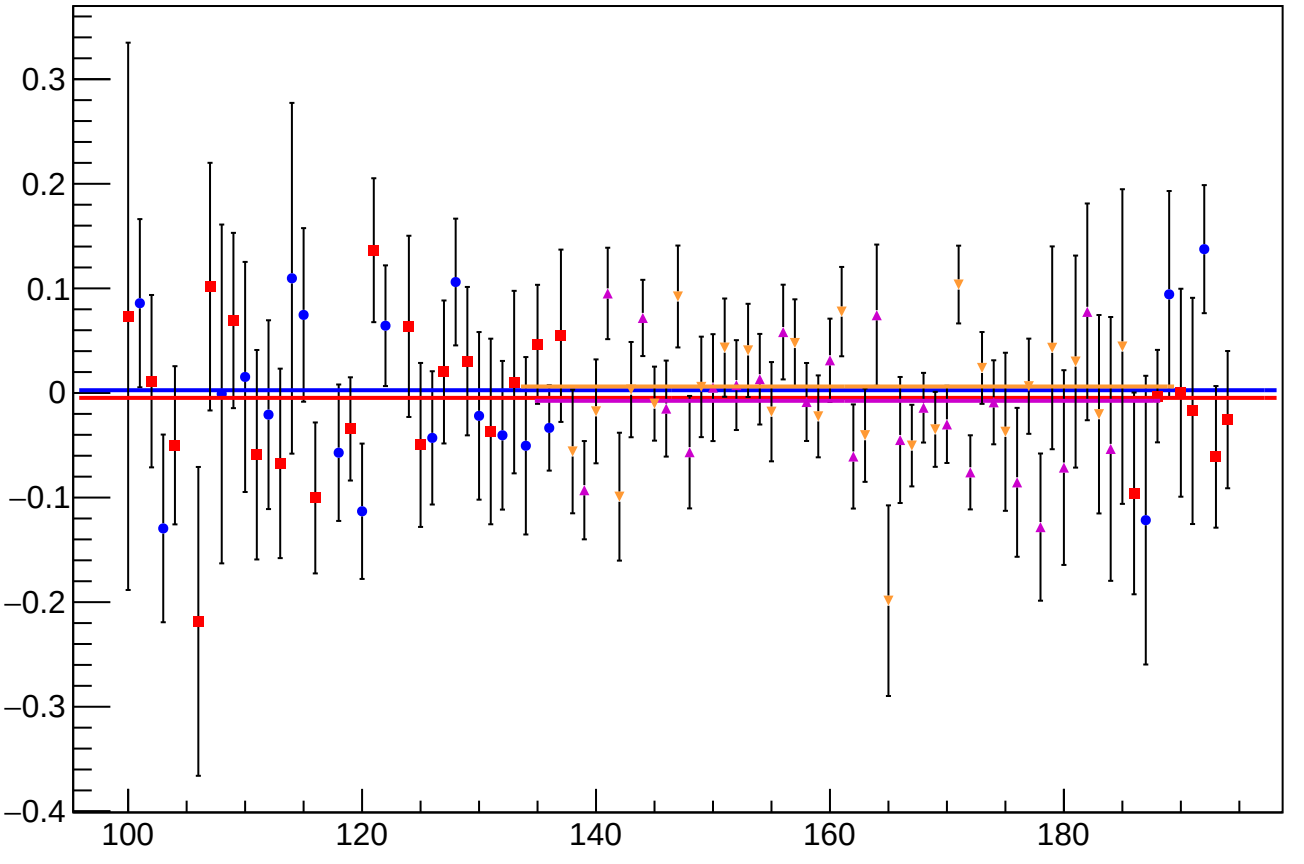
Right Out: 48.759+/-0.011 χ^2/NDF: 875696.0/24

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.895+/-0.006 χ^2/NDF: 3915436.9/43

All: 42.116+/-0.004 χ^2/NDF: 7212622.7/91

- sign 42.333+/-0.006 χ^2/NDF: 3294382.7/47



Right In: 0.003+/-0.017 χ^2/NDF: 21.2/18

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

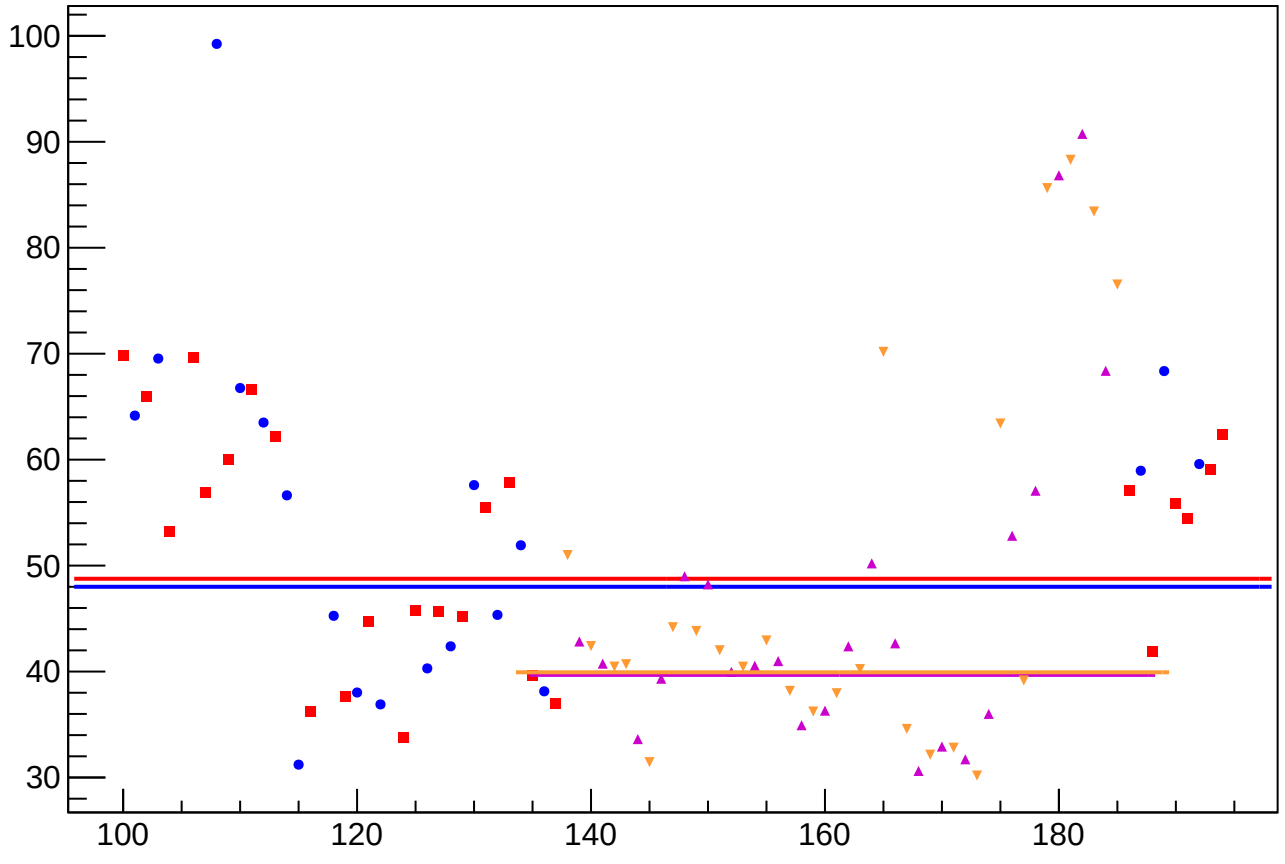
Right Out: -0.005+/-0.015 χ^2/NDF: 15.8/24

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 52.1/43

All: -0.001+/-0.006 χ^2/NDF: 99.4/91

- sign -0.007+/-0.008 χ^2/NDF: 46.3/47



Right In: 48.002+/-0.012 χ^2/NDF: 1093802.7/18

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

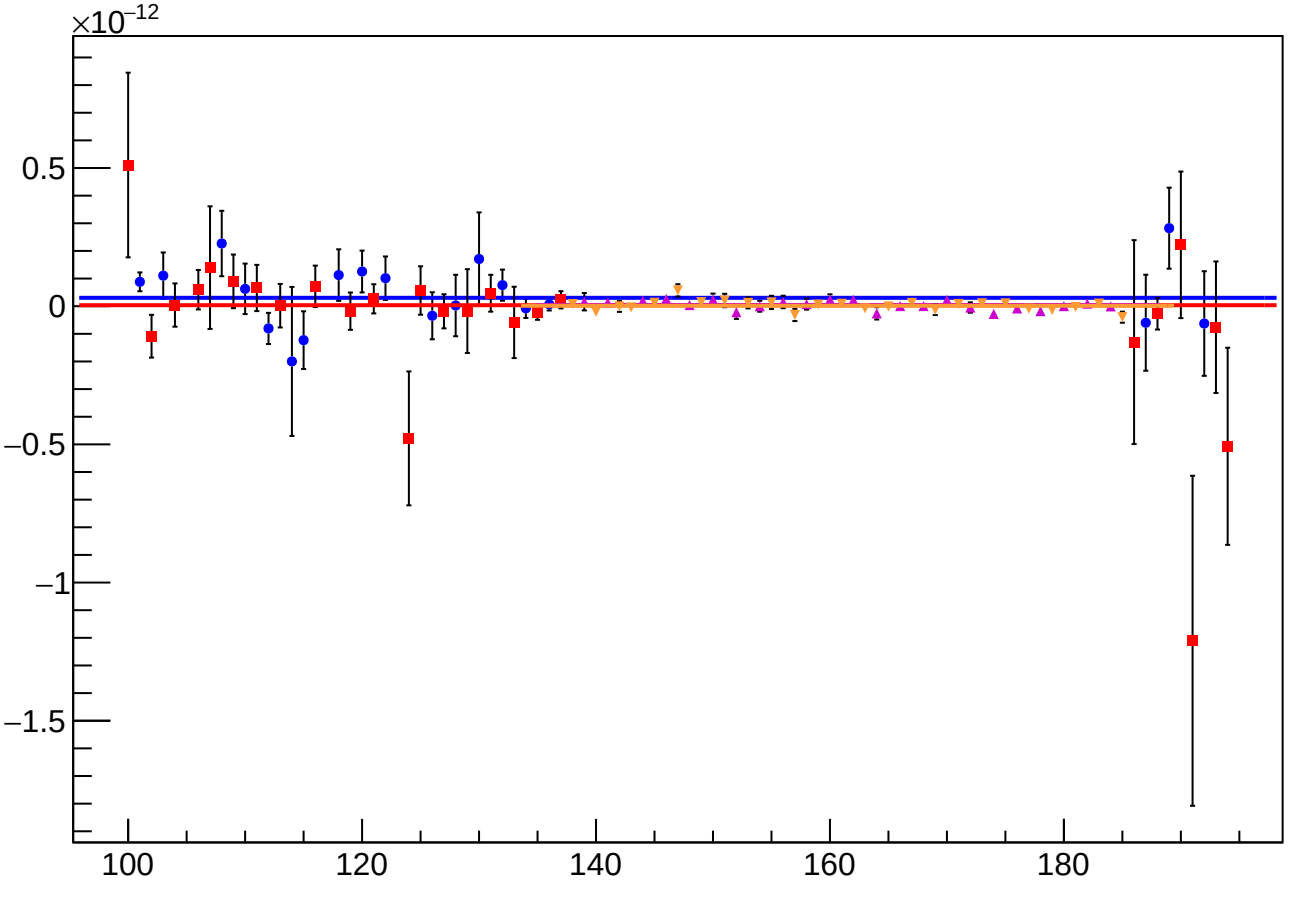
Right Out: 48.759+/-0.011 χ^2/NDF: 875696.0/24

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.895+/-0.006 χ^2/NDF: 3915436.9/43

All: 42.116+/-0.004 χ^2/NDF: 7212622.7/91

- sign 42.333+/-0.006 χ^2/NDF: 3294382.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 24.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

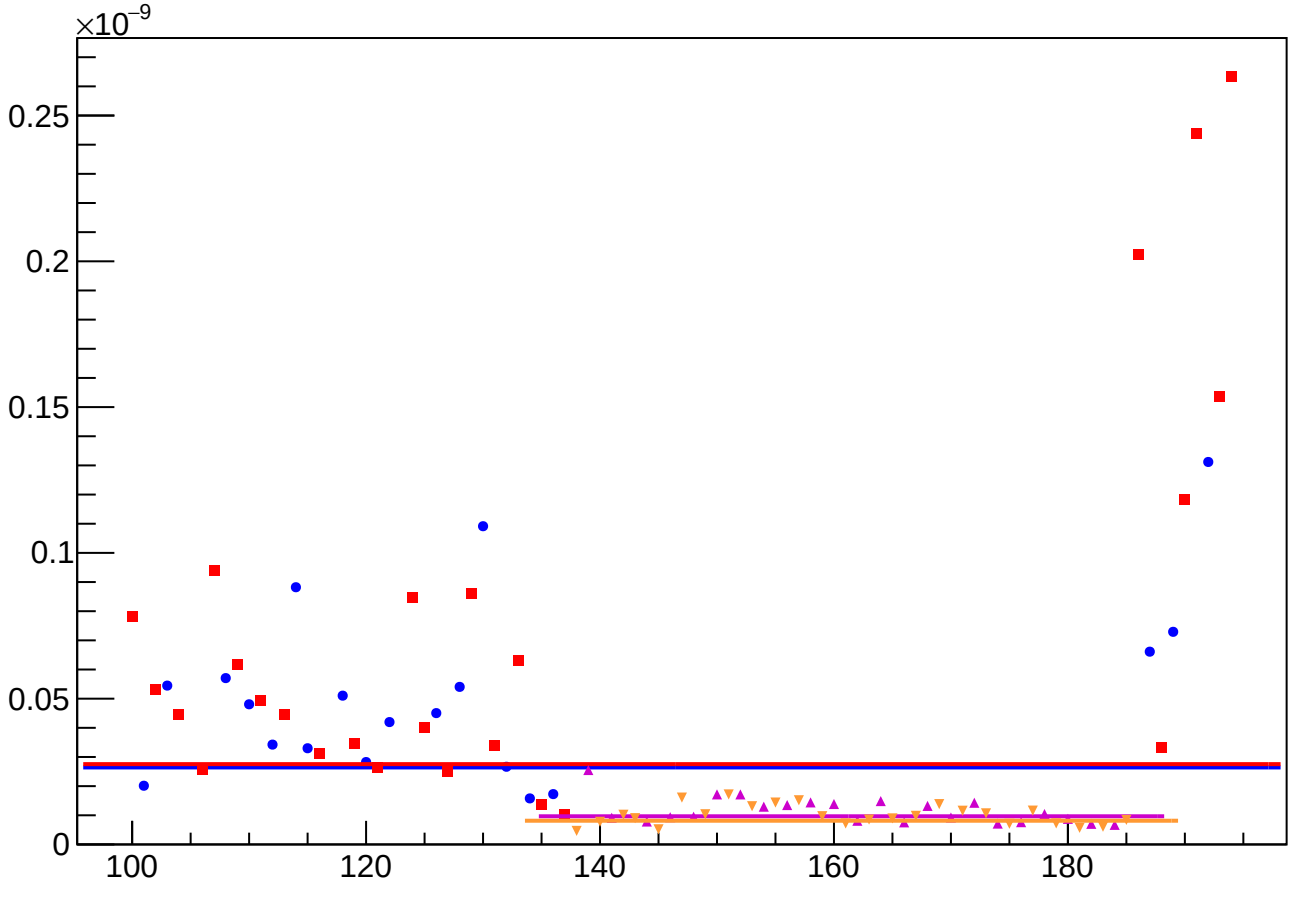
Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/24

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.8/43

All: 0.000+/-0.000 χ^2/NDF: 106.1/91

- sign 0.000+/-0.000 χ^2/NDF: 49.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 3051975.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5225911.0/24

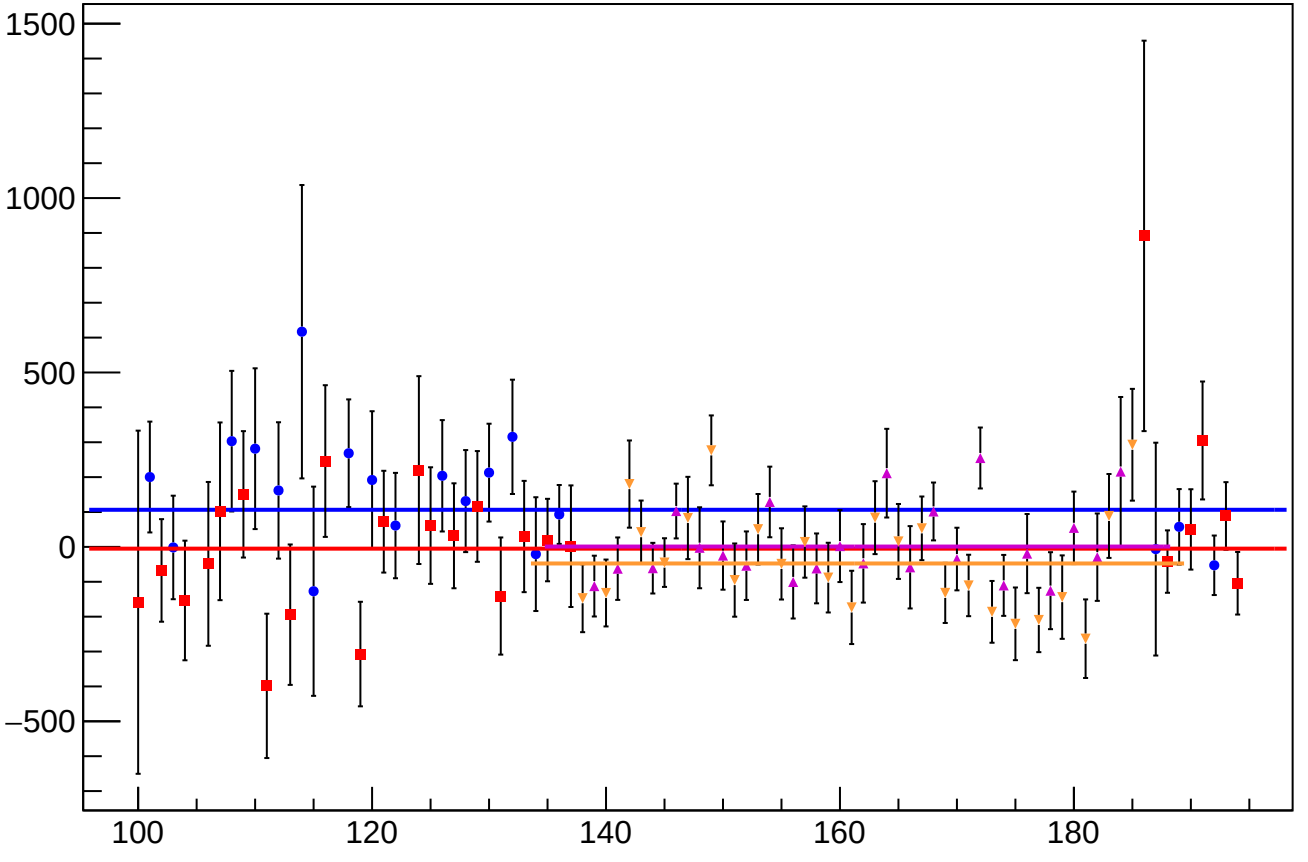
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8998717.4/43

All: 0.000+/-0.000 χ^2/NDF: 19886133.8/91

- sign 0.000+/-0.000 χ^2/NDF: 10514060.7/47

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: -5.030+/-30.274 χ^2/NDF: 22.9/24

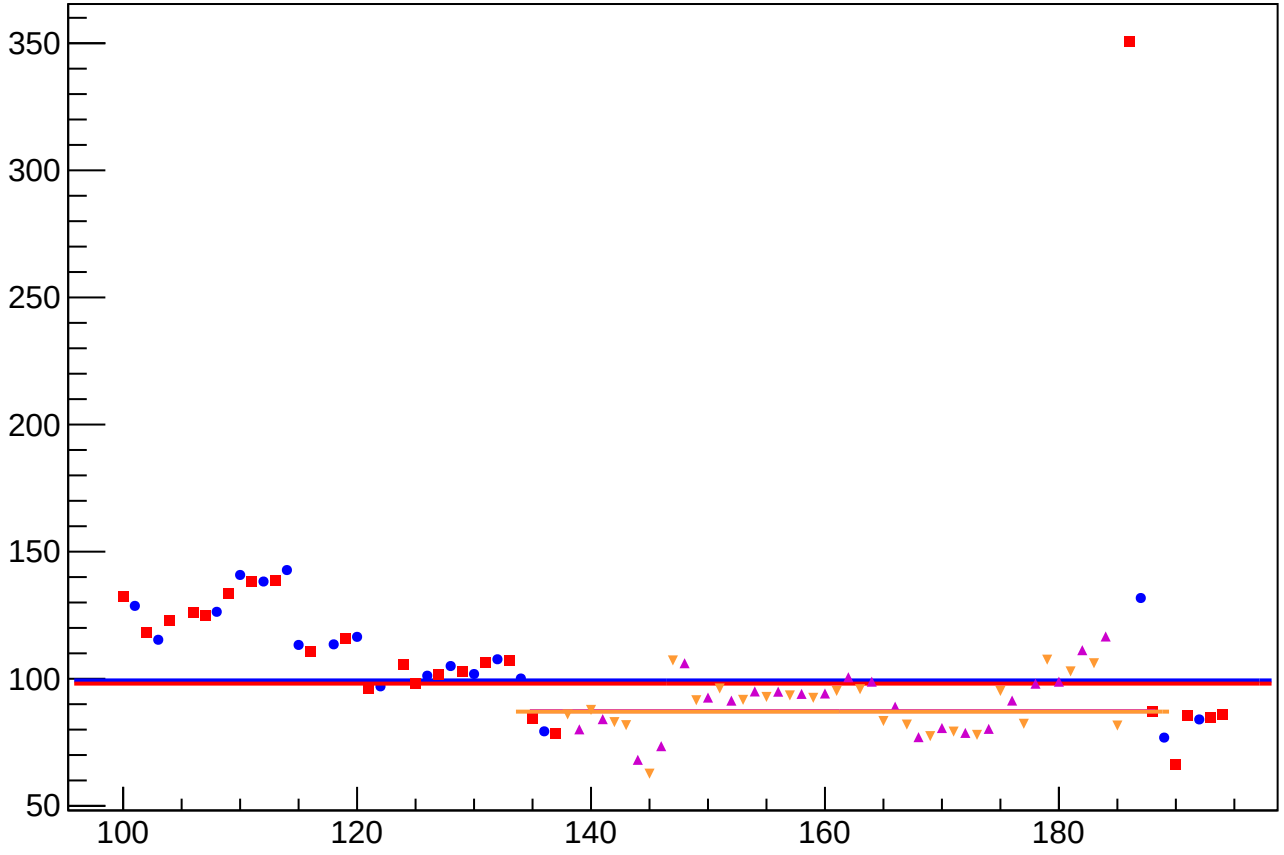
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

\+ sign -7.894+/-17.219 χ^2/NDF: 72.2/43

All: -4.368+/-12.109 χ^2/NDF: 120.7/91

\- sign -0.918+/-17.033 χ^2/NDF: 48.4/47

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

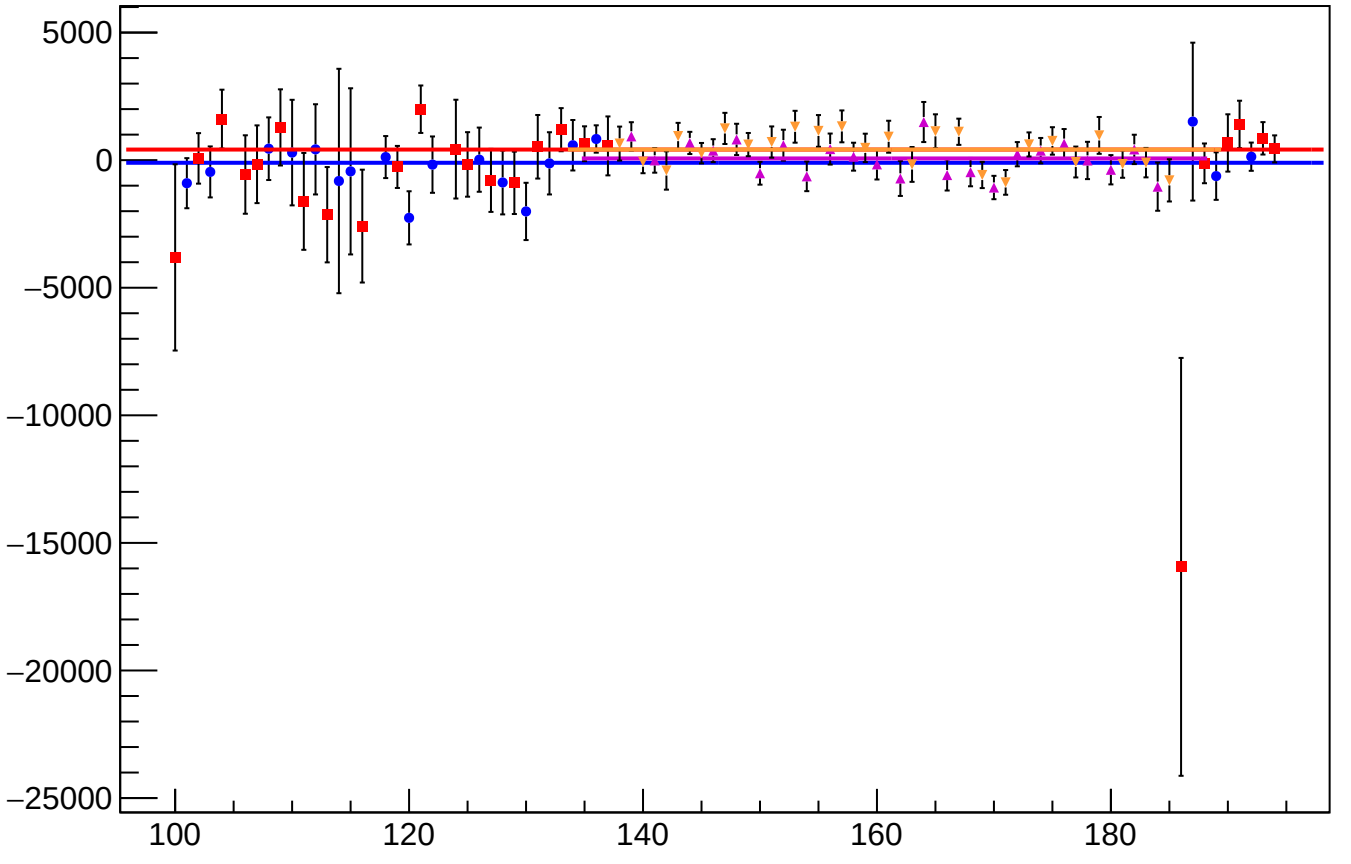
Right Out: 98.095+/-0.021 χ^2/NDF: 1152658.5/24

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.233+/-0.012 χ^2/NDF: 1439780.7/43

All: 90.463+/-0.009 χ^2/NDF: 3364135.7/91

- sign 90.688+/-0.012 χ^2/NDF: 1923650.2/47



Right In: -103.163+/-233.237 χ^2/NDF: 13.1/18

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 414.941+/-206.931 χ^2/NDF: 21.3/24

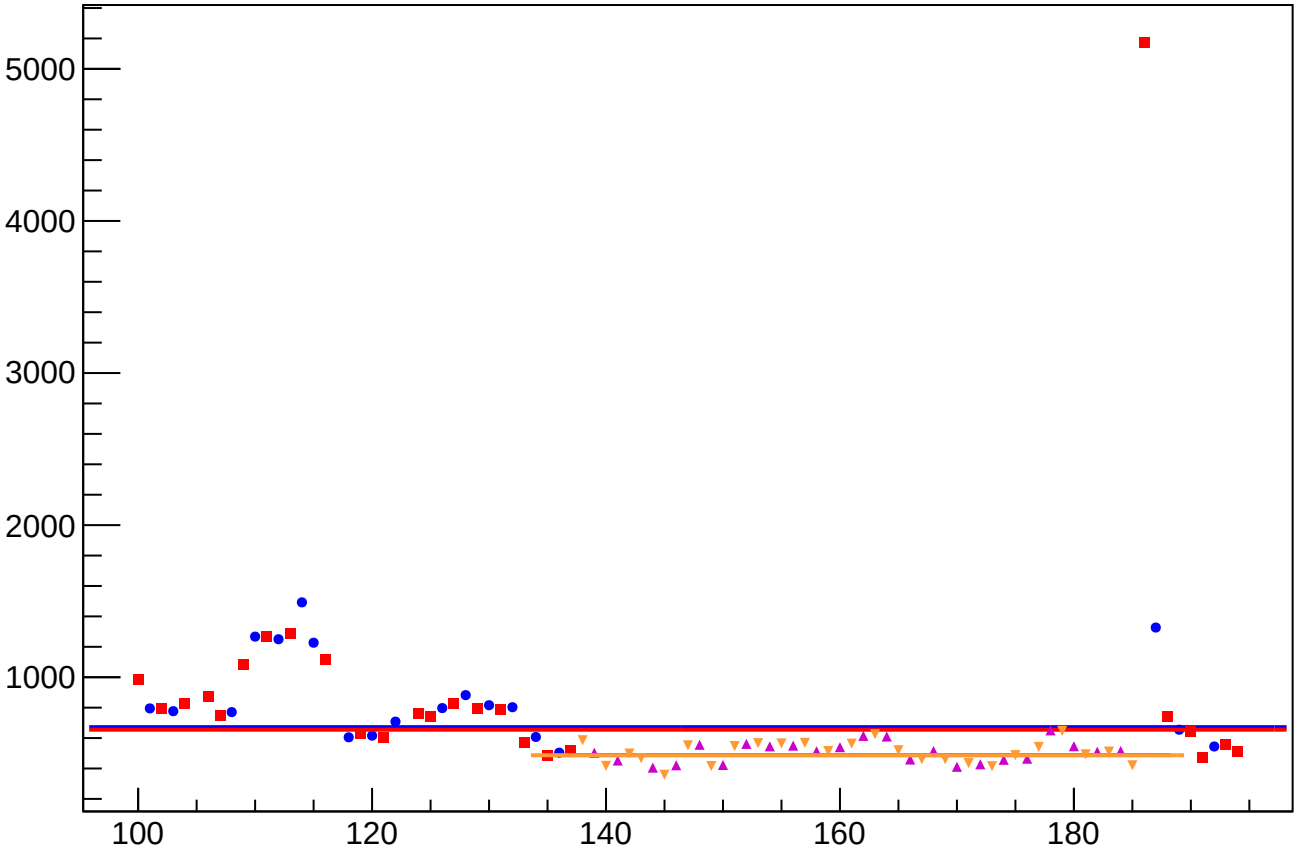
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 318.588+/-101.209 χ^2/NDF: 49.5/43

All: 233.608+/-71.420 χ^2/NDF: 101.9/91

- sign 149.313+/-100.800 χ^2/NDF: 51.0/47

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: 654.937+/-0.146 χ^2/NDF: 2034345.4/24

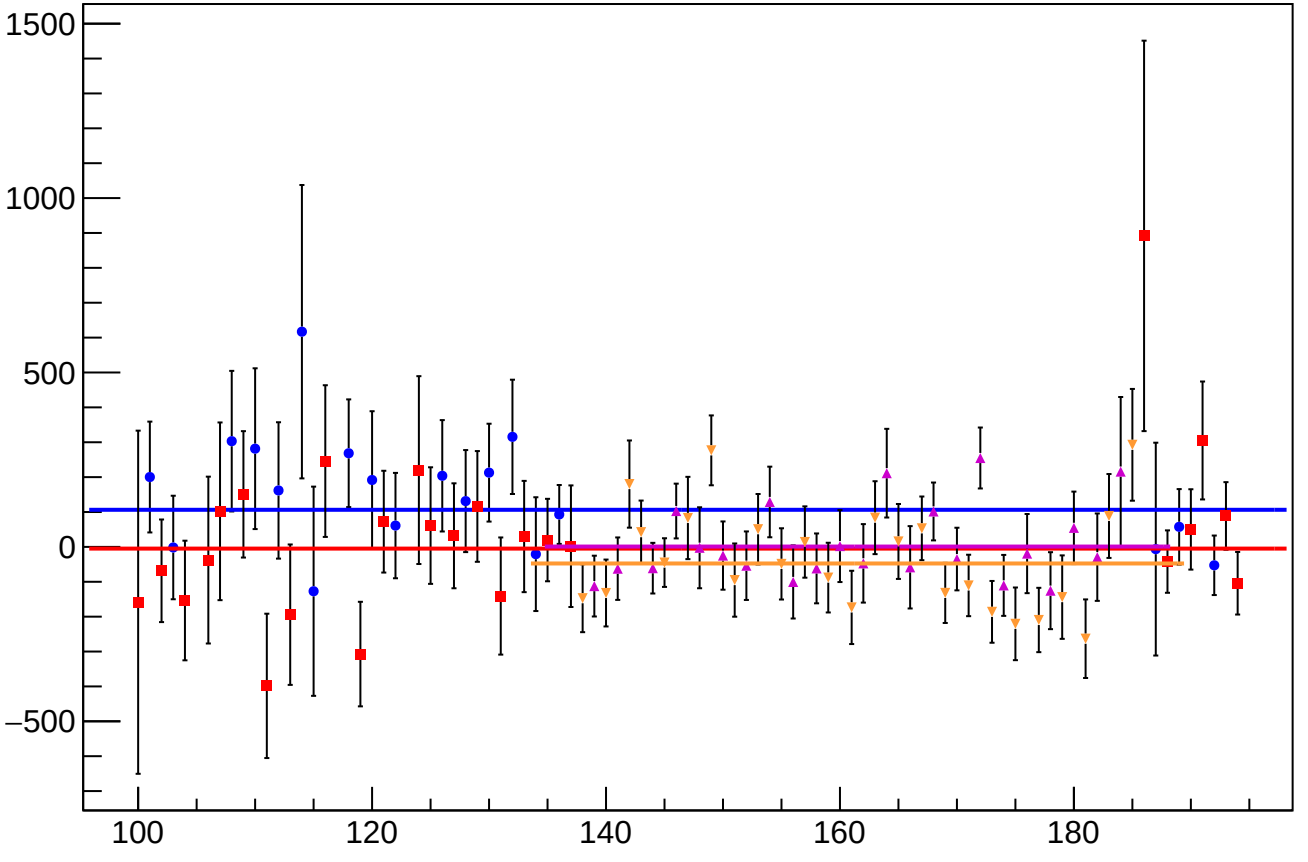
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 521.838+/-0.072 χ^2/NDF: 2965985.0/43

All: 524.710+/-0.051 χ^2/NDF: 6631395.8/91

- sign 527.558+/-0.071 χ^2/NDF: 3662203.8/47

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: -4.872+/-30.283 χ^2/NDF: 22.9/24

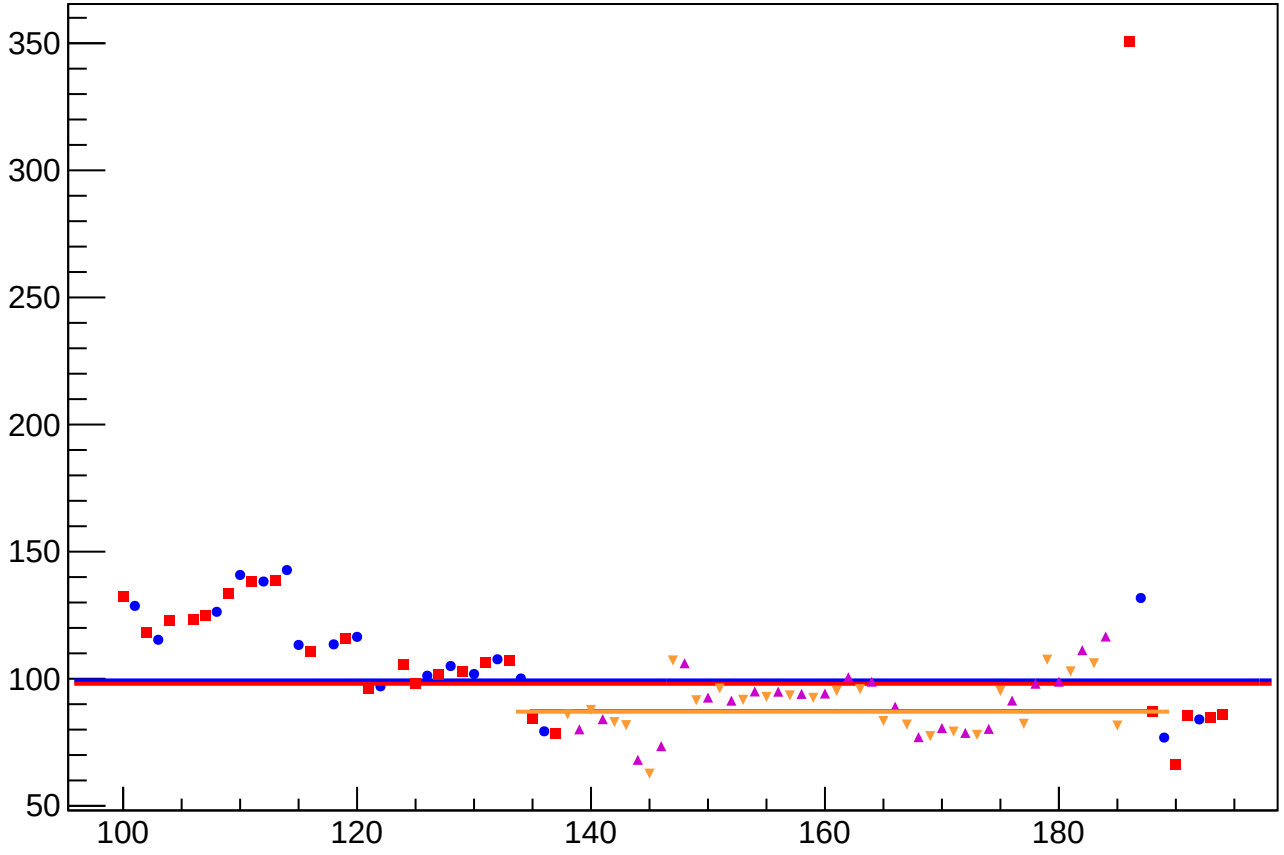
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.903+/-17.219 χ^2/NDF: 72.2/43

All: -4.347+/-12.110 χ^2/NDF: 120.7/91

- sign -0.866+/-17.035 χ^2/NDF: 48.4/47

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

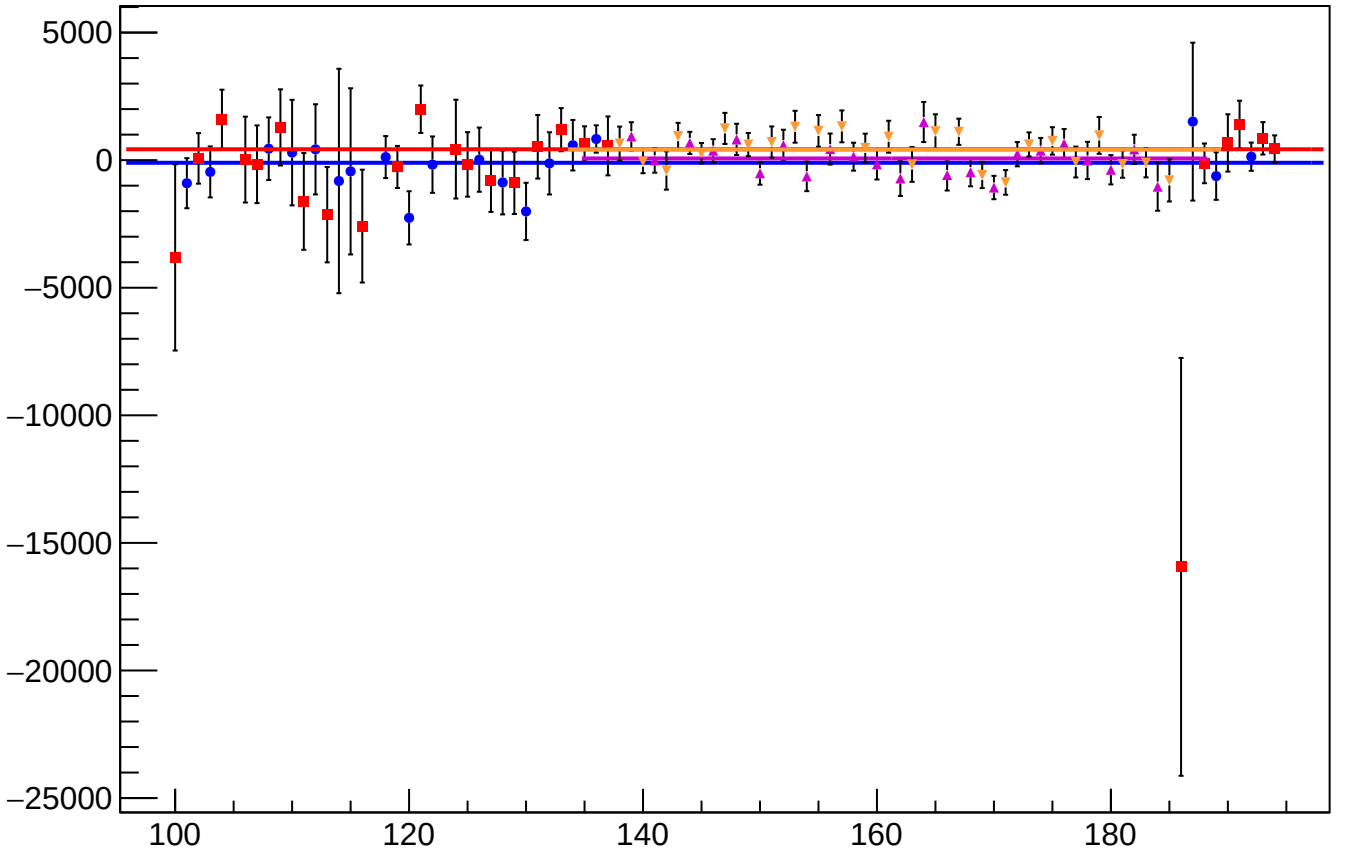
Right Out: 98.034+/-0.021 χ^2/NDF: 1146478.9/24

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.233+/-0.012 χ^2/NDF: 1439781.0/43

All: 90.452+/-0.009 χ^2/NDF: 3355843.7/91

- sign 90.667+/-0.012 χ^2/NDF: 1915421.1/47



Right In: -103.160+/-233.237 χ^2/NDF: 13.1/18

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 426.745+/-207.248 χ^2/NDF: 20.9/24

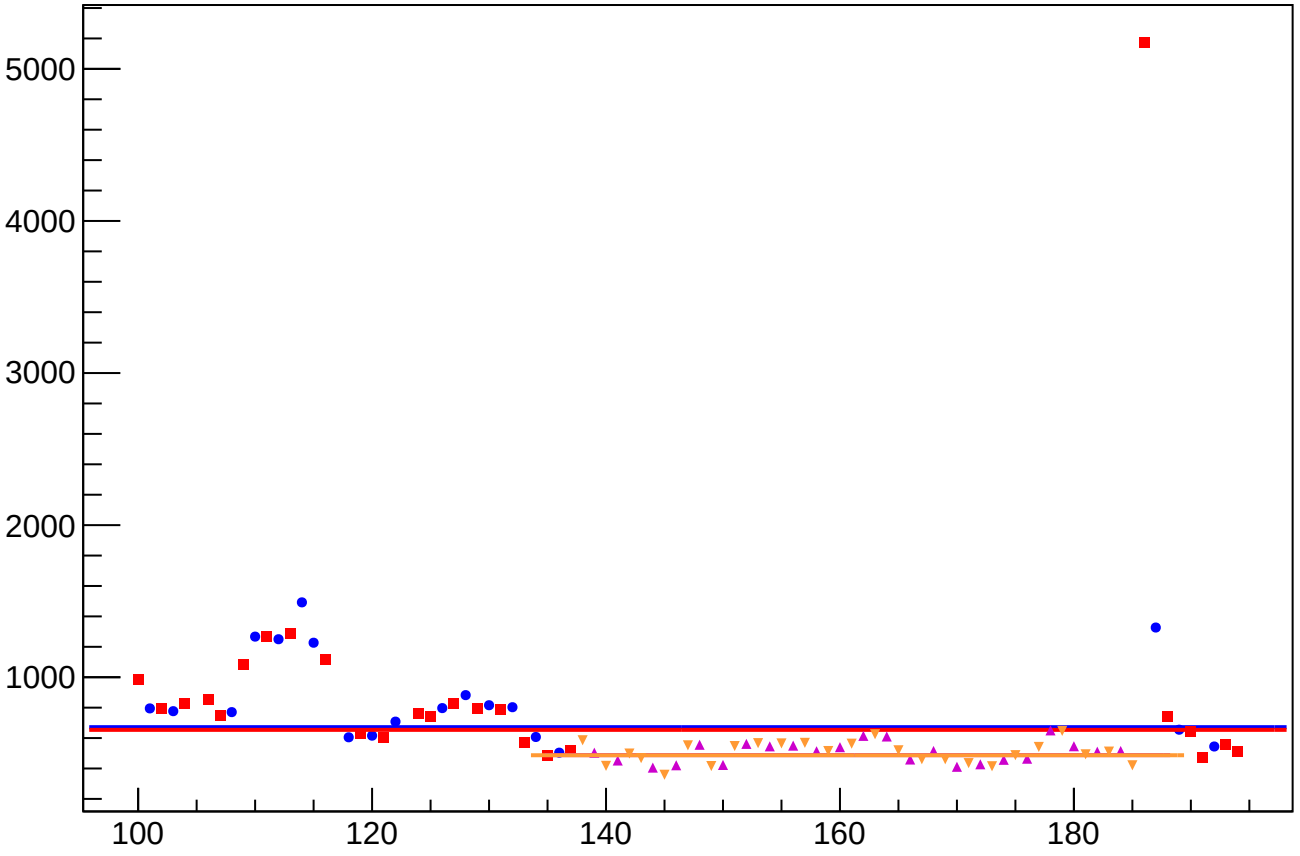
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 318.583+/-101.209 χ^2/NDF: 49.5/43

All: 234.941+/-71.433 χ^2/NDF: 101.6/91

- sign 151.914+/-100.836 χ^2/NDF: 50.7/47

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: 653.981+/-0.147 χ^2/NDF: 2021791.2/24

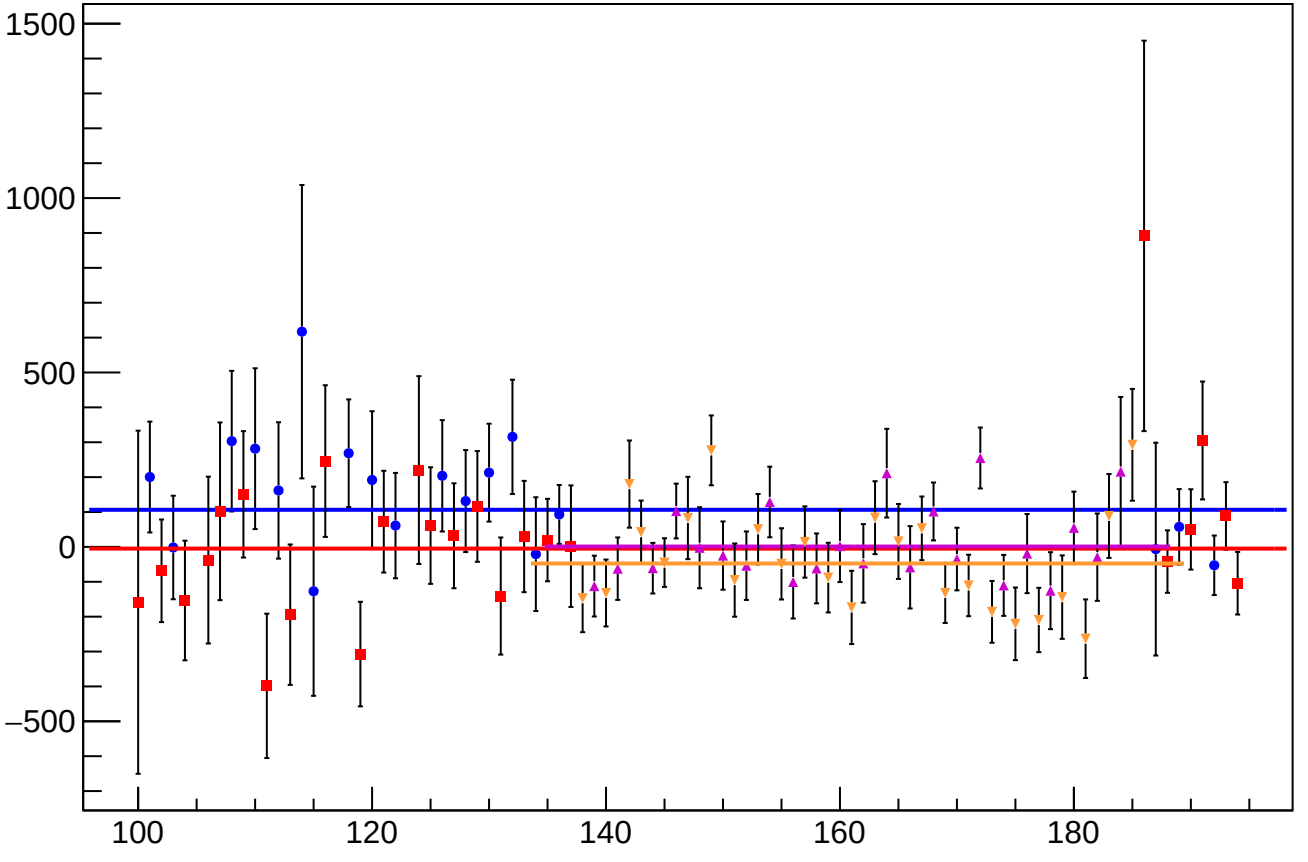
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 521.838+/-0.072 χ^2/NDF: 2965991.7/43

All: 524.549+/-0.051 χ^2/NDF: 6604880.2/91

- sign 527.239+/-0.071 χ^2/NDF: 3636029.8/47

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: -4.872+/-30.283 χ^2/NDF: 22.9/24

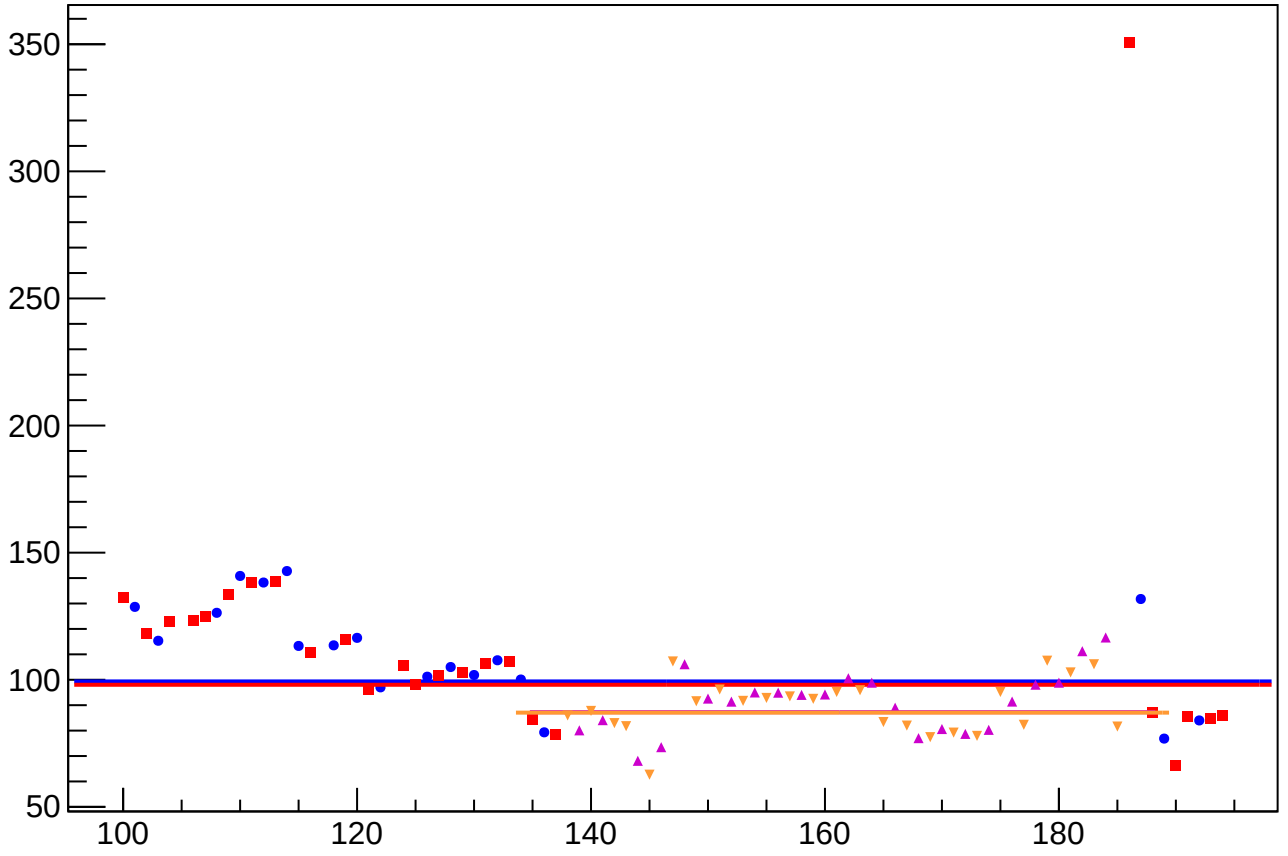
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.903+/-17.219 χ^2/NDF: 72.2/43

All: -4.347+/-12.110 χ^2/NDF: 120.7/91

- sign -0.866+/-17.035 χ^2/NDF: 48.4/47

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

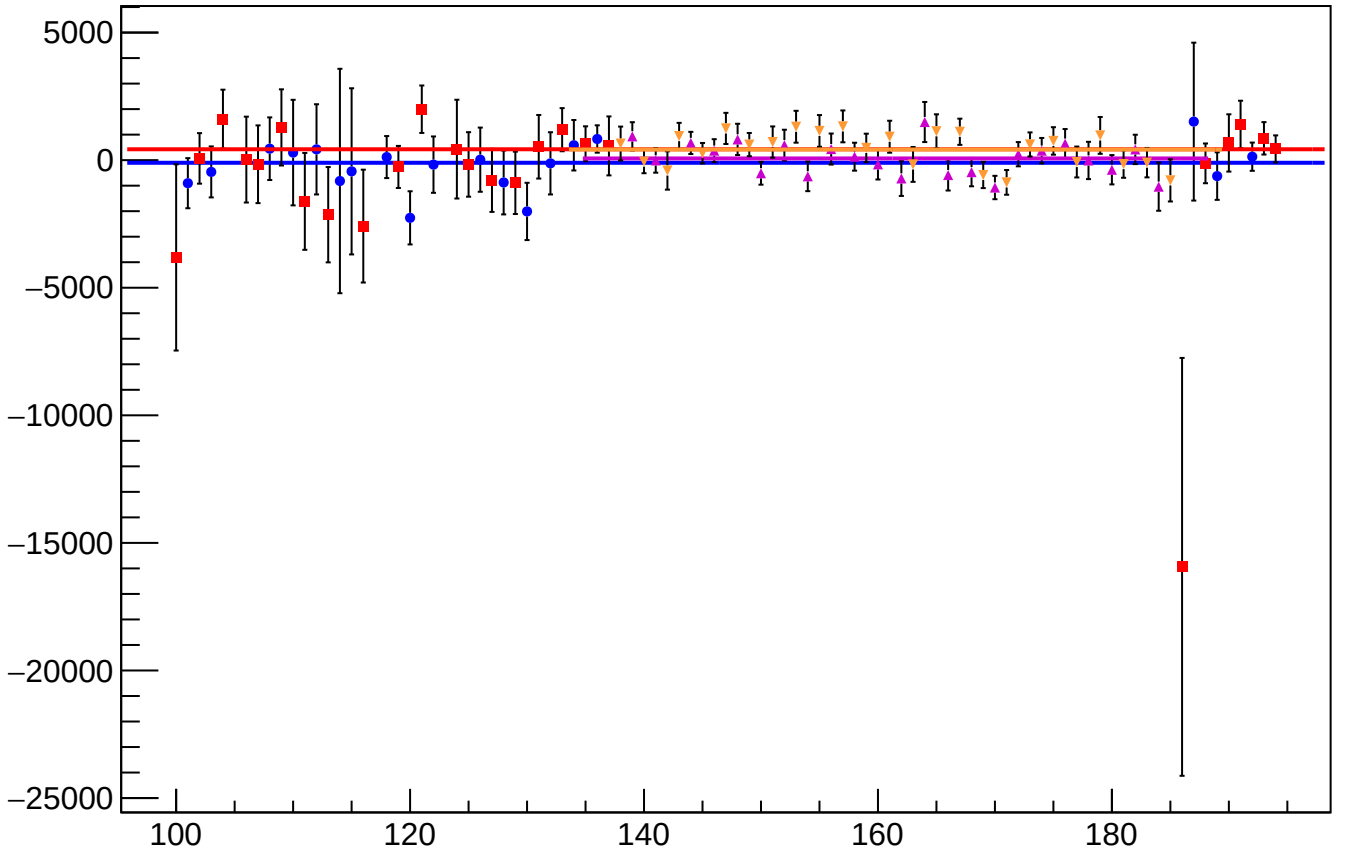
Right Out: 98.034+/-0.021 χ^2/NDF: 1146478.9/24

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.233+/-0.012 χ^2/NDF: 1439781.0/43

All: 90.452+/-0.009 χ^2/NDF: 3355843.7/91

- sign 90.667+/-0.012 χ^2/NDF: 1915421.1/47



Right In: -103.160+/-233.237 χ^2/NDF: 13.1/18

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

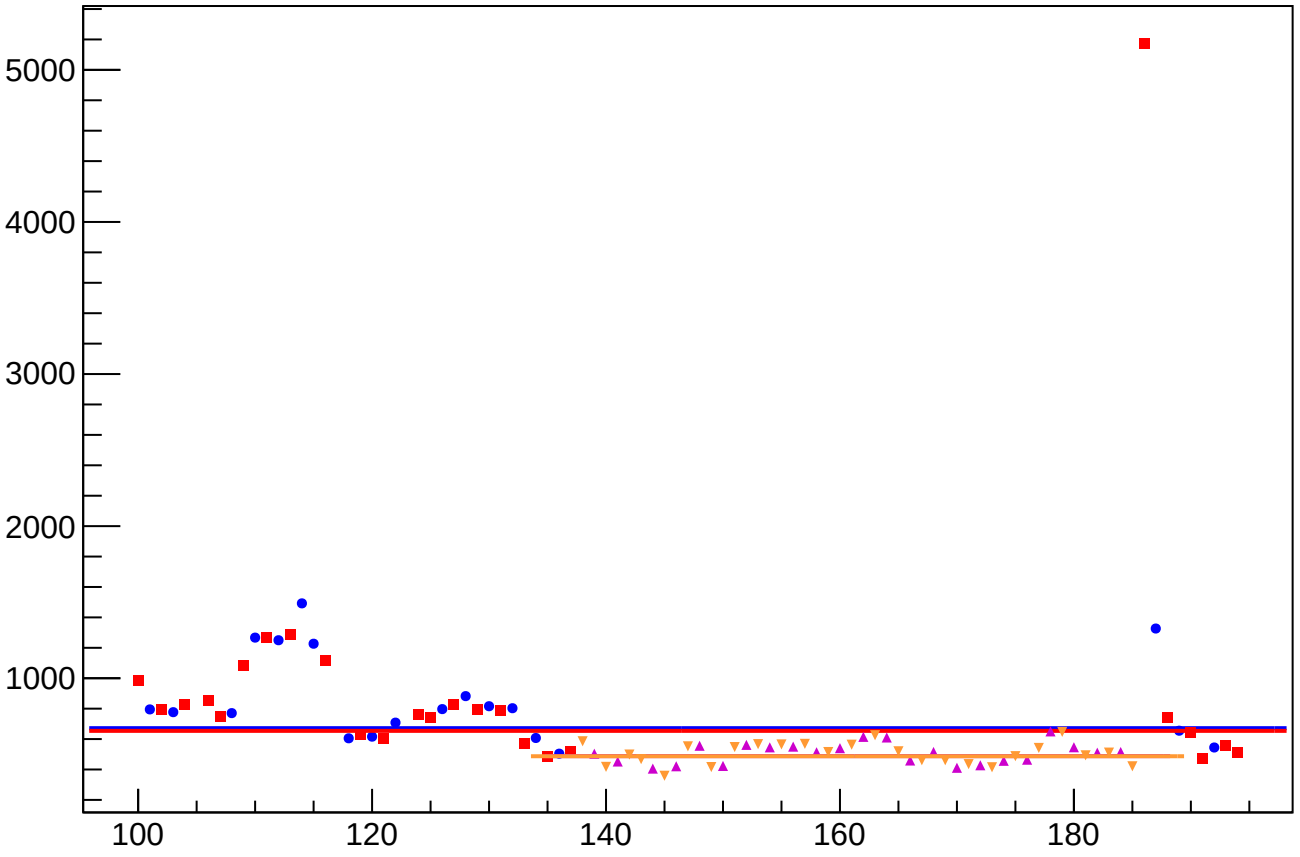
Right Out: 426.745+/-207.248 χ^2/NDF: 20.9/24

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 318.583+/-101.209 χ^2/NDF: 49.5/43

All: 234.941+/-71.433 χ^2/NDF: 101.6/91

- sign 151.914+/-100.836 χ^2/NDF: 50.7/47



Right In: 671.670+/-0.165 χ^2/NDF: 1127909.6/18

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 653.981+/-0.147 χ^2/NDF: 2021791.2/24

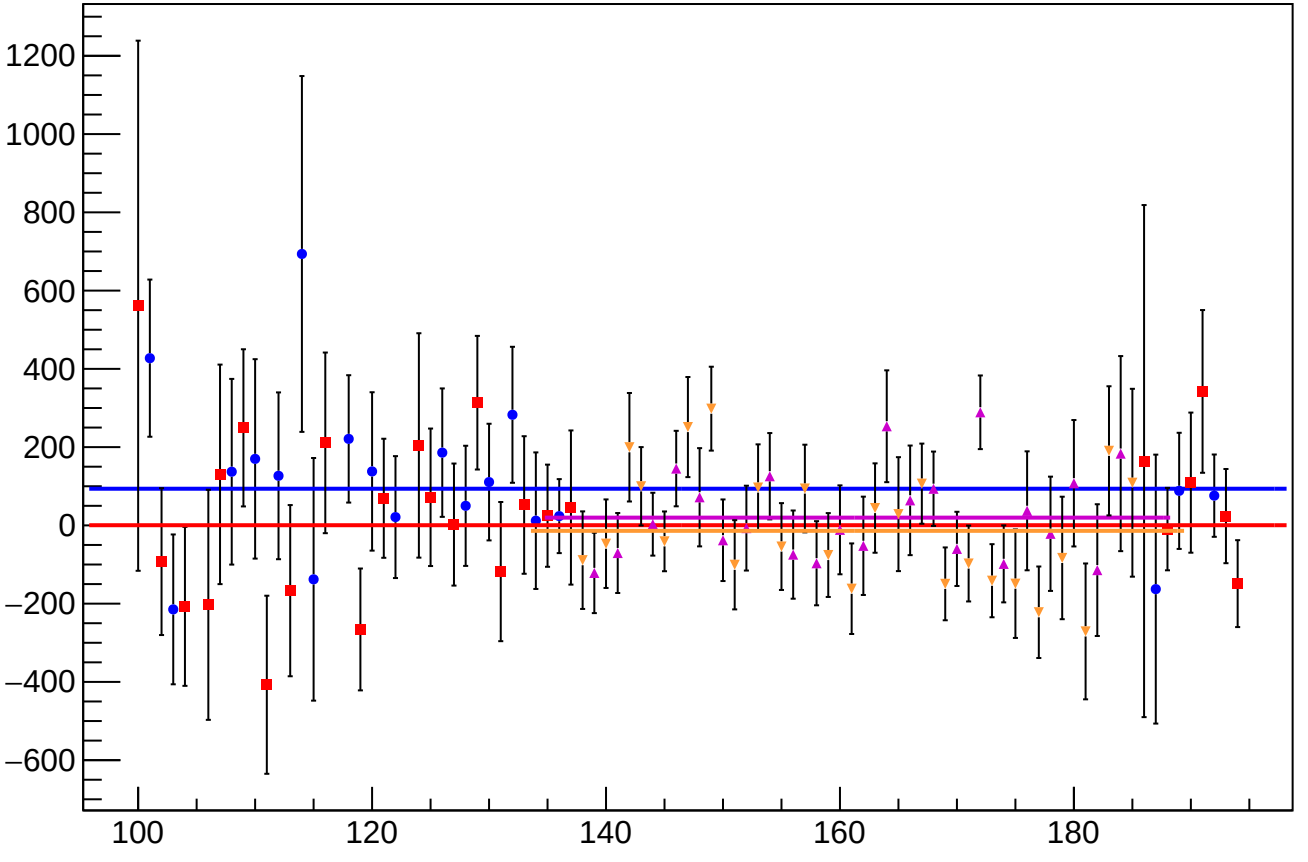
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 521.838+/-0.072 χ^2/NDF: 2965991.7/43

All: 524.549+/-0.051 χ^2/NDF: 6604880.2/91

- sign 527.239+/-0.071 χ^2/NDF: 3636029.8/47

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: 0.443+/-35.080 χ^2/NDF: 21.6/24

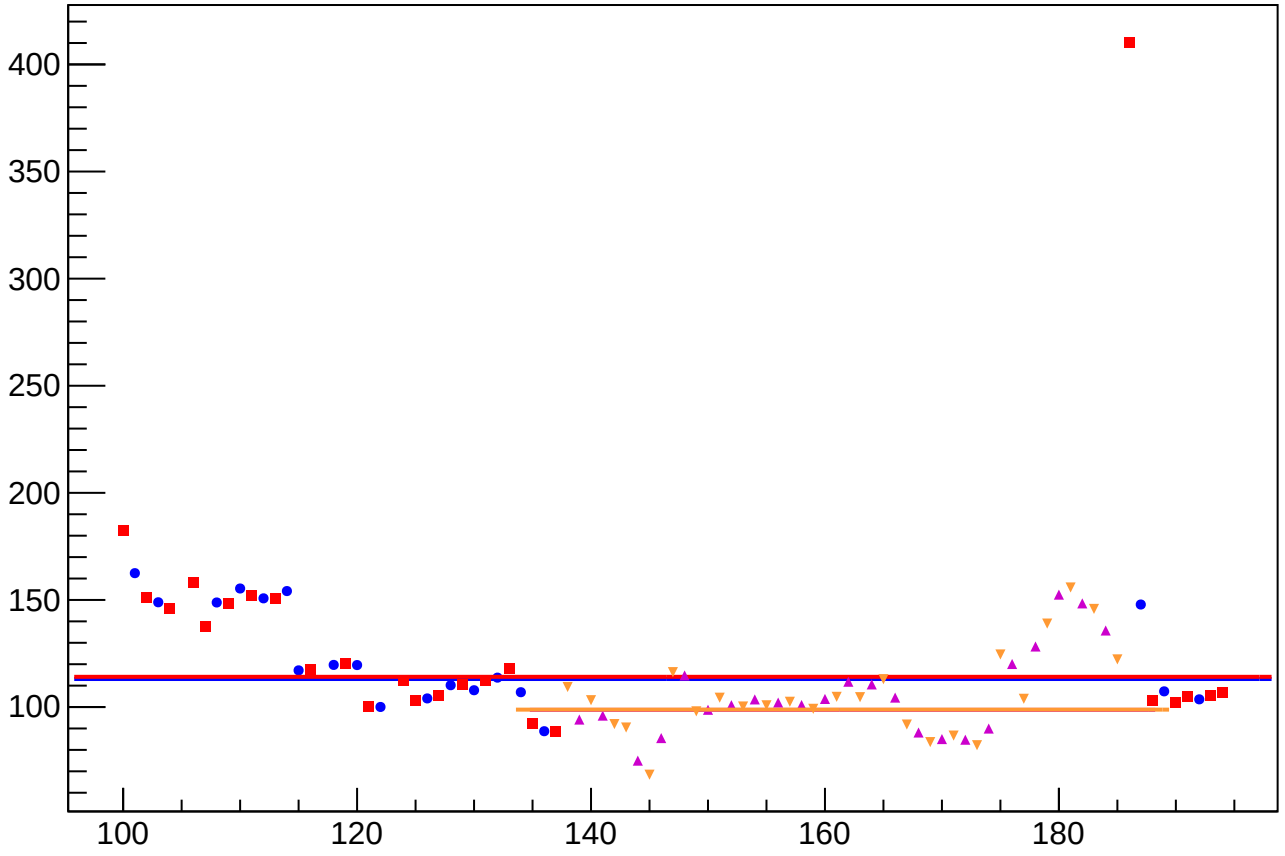
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 14.173+/-19.700 χ^2/NDF: 53.8/43

All: 13.977+/-13.882 χ^2/NDF: 98.9/91

- sign 13.783+/-19.565 χ^2/NDF: 45.1/47

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: 114.117+/-0.025 χ^2/NDF: 965637.0/24

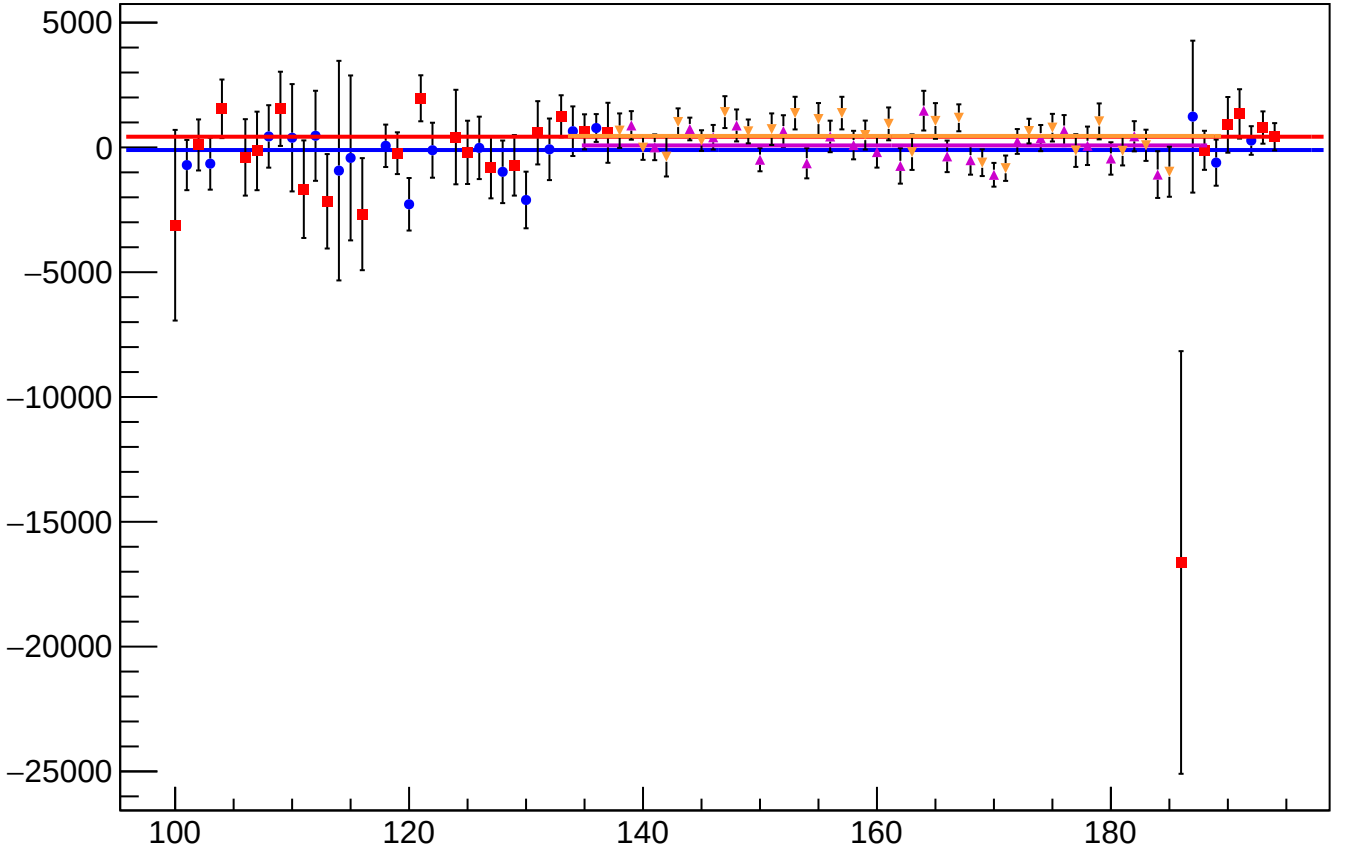
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.529+/-0.014 χ^2/NDF: 1963221.2/43

All: 103.006+/-0.010 χ^2/NDF: 4186083.2/91

- sign 103.477+/-0.014 χ^2/NDF: 2220533.3/47

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: -105.263+/-238.479 χ^2/NDF: 12.9/18

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 427.922+/-210.505 χ^2/NDF: 20.3/24

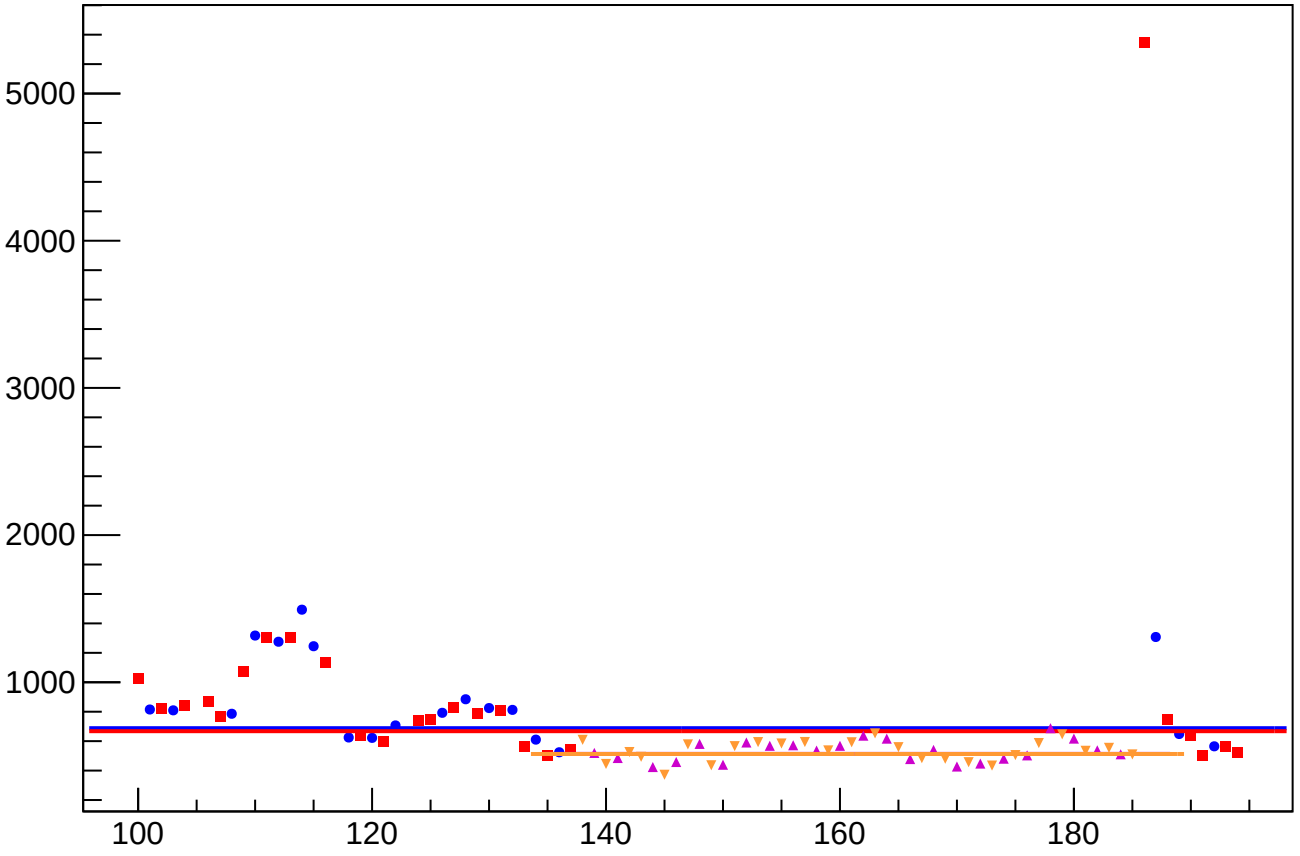
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

\+ sign 347.929+/-105.841 χ^2/NDF: 48.2/43

All: 256.385+/-74.609 χ^2/NDF: 98.3/91

\- sign 165.968+/-105.188 χ^2/NDF: 48.6/47

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: 667.659+/-0.149 χ^2/NDF: 1968889.8/24

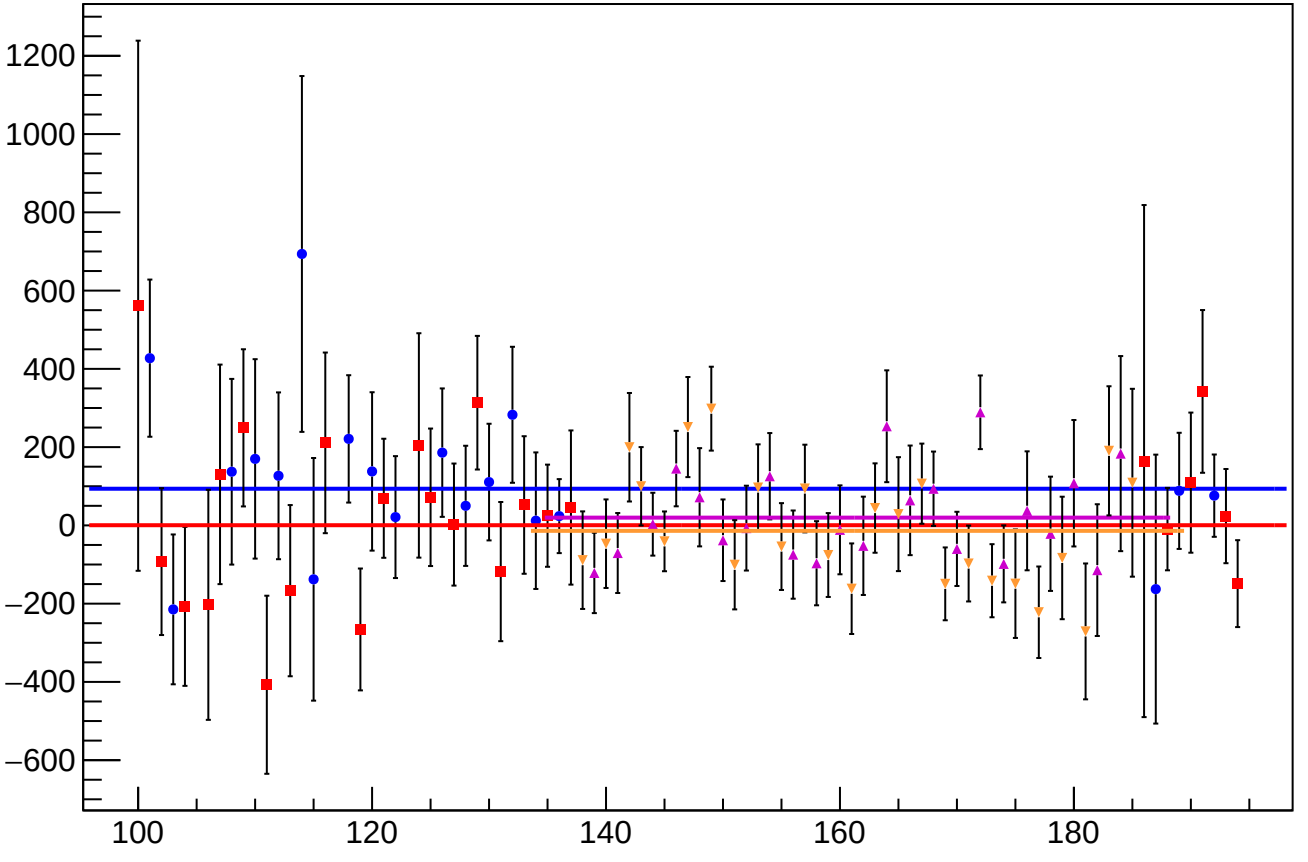
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

\+ sign 547.286+/-0.075 χ^2/NDF: 2740254.7/43

All: 549.607+/-0.053 χ^2/NDF: 6151152.4/91

\- sign 551.899+/-0.074 χ^2/NDF: 3408986.5/47

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: 0.443+/-35.080 χ^2/NDF: 21.6/24

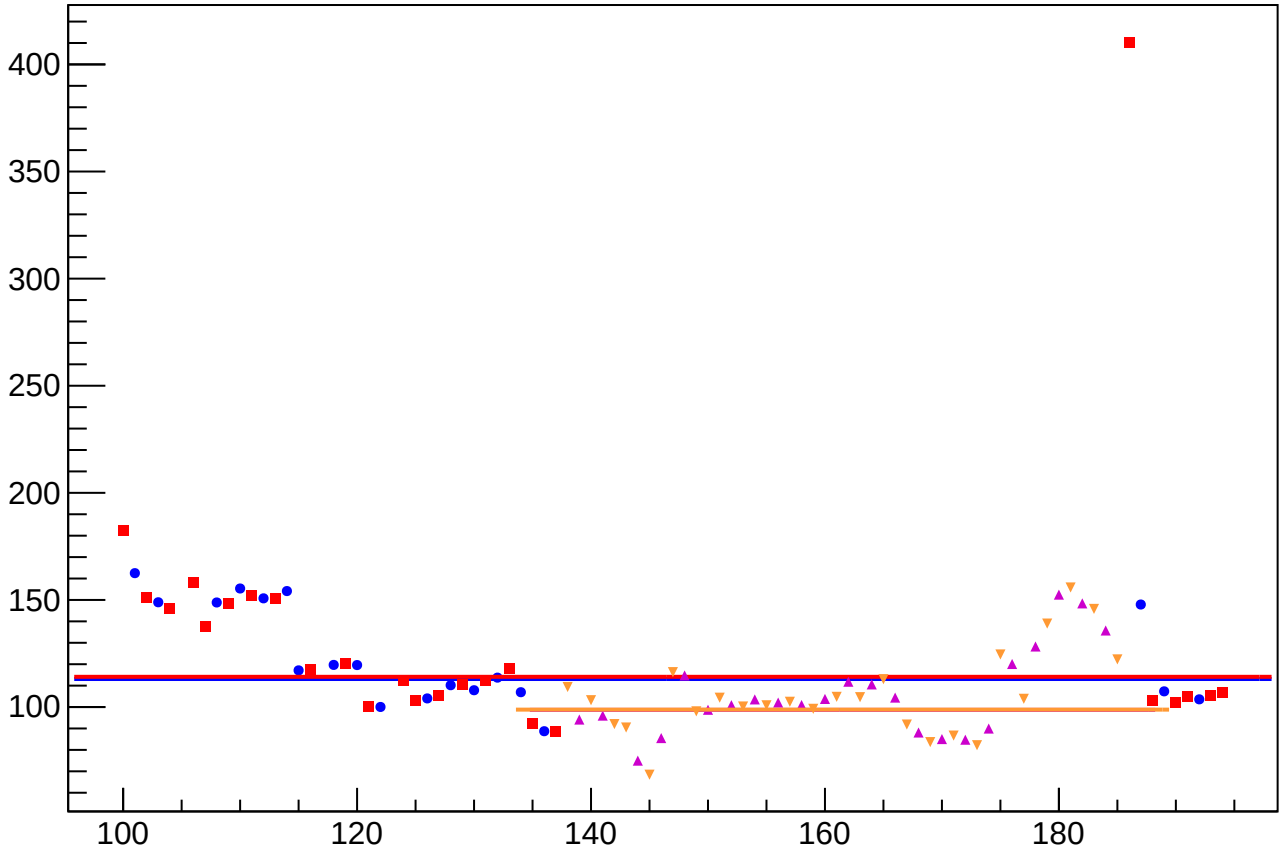
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 14.172+/-19.700 χ^2/NDF: 53.8/43

All: 13.976+/-13.882 χ^2/NDF: 98.9/91

- sign 13.783+/-19.565 χ^2/NDF: 45.1/47

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

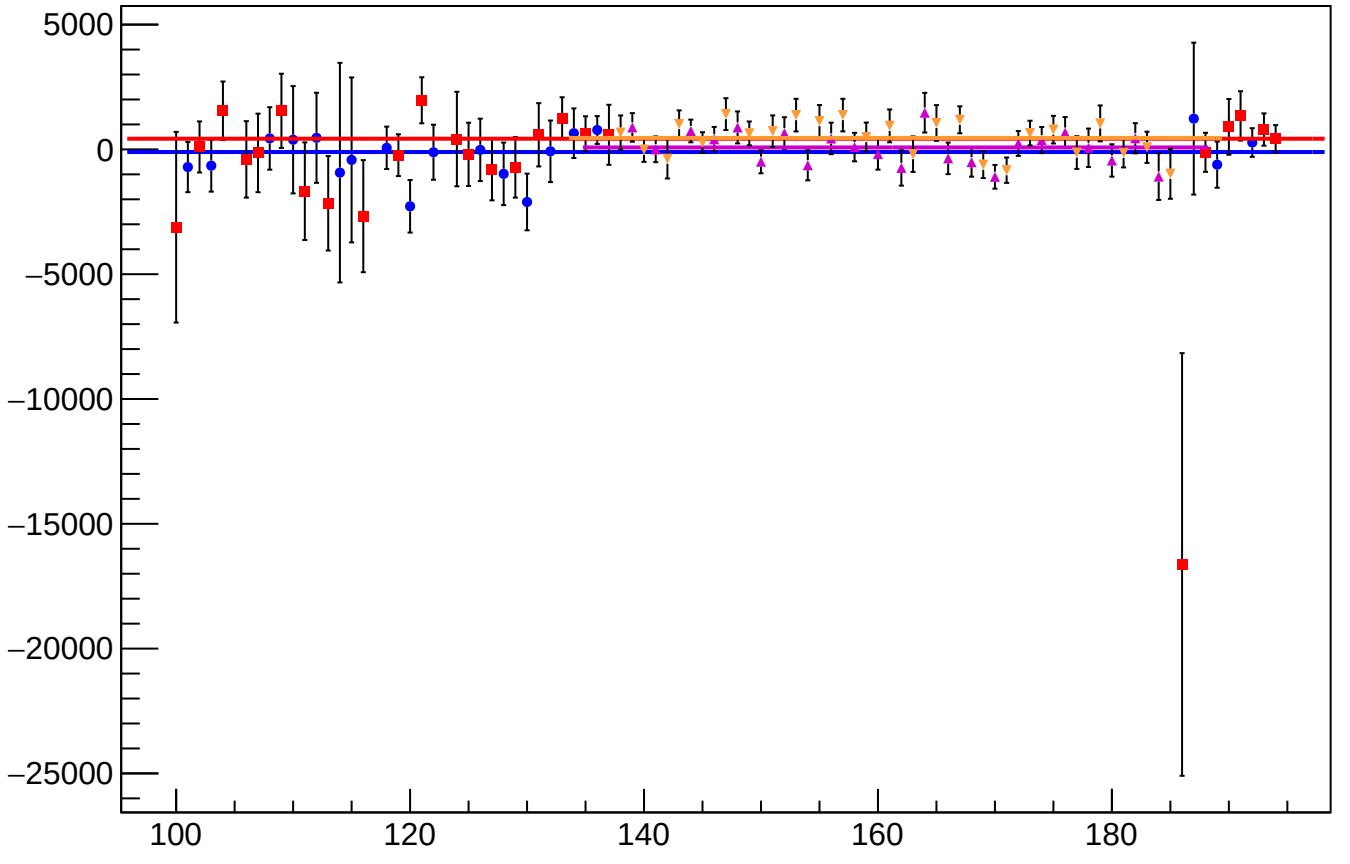
Right Out: 114.117+/-0.025 χ^2/NDF: 965622.1/24

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.529+/-0.014 χ^2/NDF: 1963217.0/43

All: 103.006+/-0.010 χ^2/NDF: 4186059.6/91

- sign 103.477+/-0.014 χ^2/NDF: 2220513.9/47



Right In: -105.265+/-238.479 χ^2/NDF: 12.9/18

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

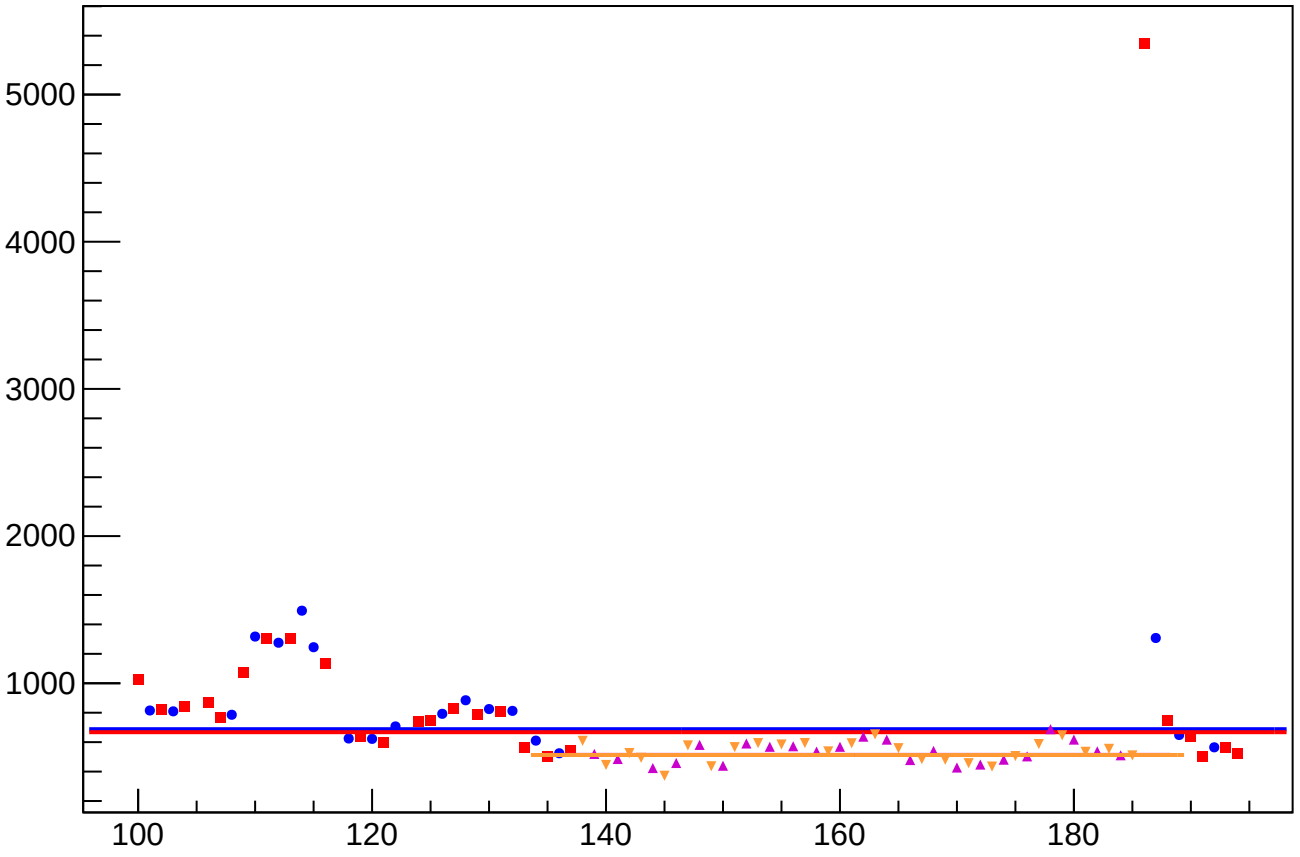
Right Out: 427.921+/-210.504 χ^2/NDF: 20.3/24

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 347.928+/-105.841 χ^2/NDF: 48.2/43

All: 256.384+/-74.609 χ^2/NDF: 98.3/91

- sign 165.967+/-105.188 χ^2/NDF: 48.6/47



Right In: 688.005+/-0.169 χ^2/NDF: 1073822.7/18

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 667.658+/-0.149 χ^2/NDF: 1968886.3/24

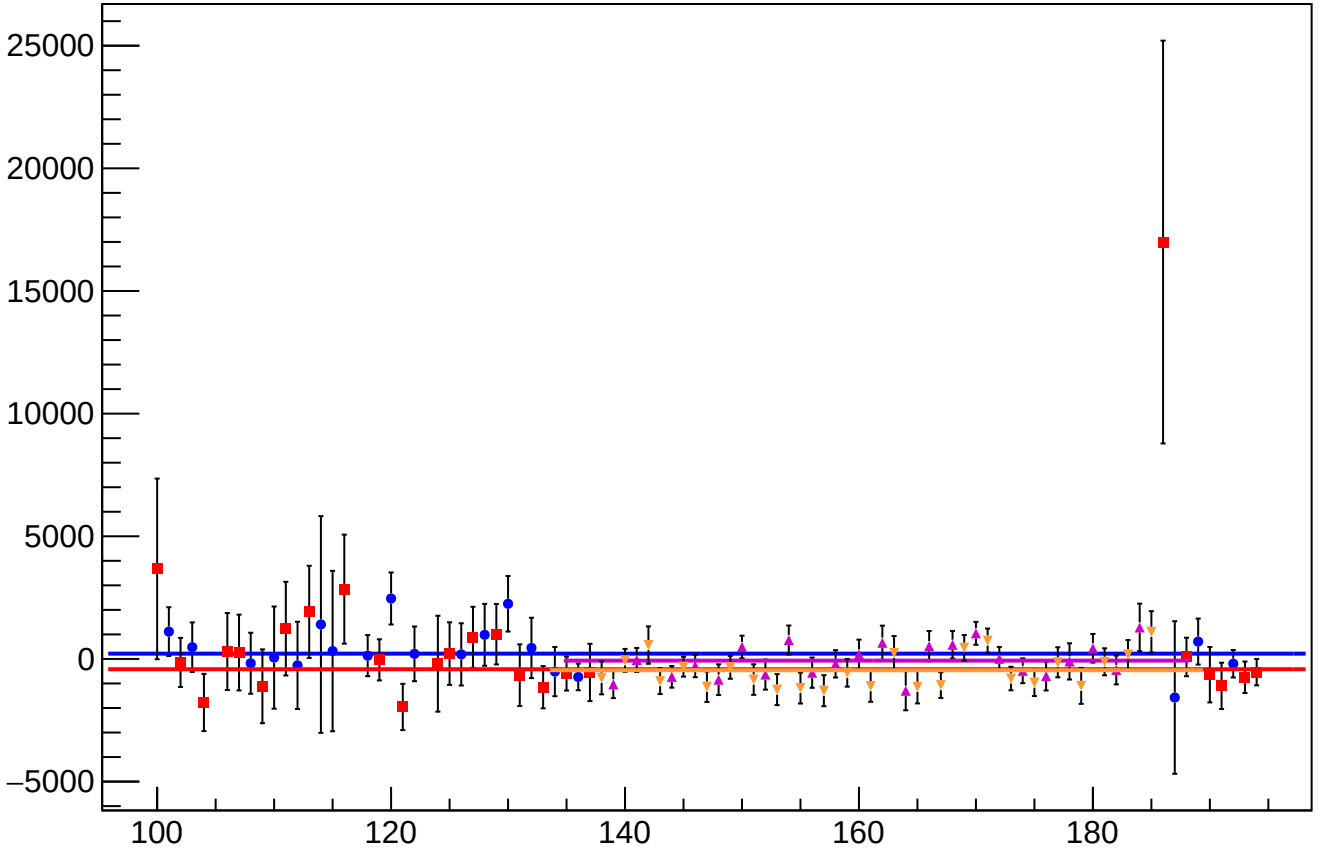
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 547.286+/-0.075 χ^2/NDF: 2740249.1/43

All: 549.606+/-0.053 χ^2/NDF: 6151132.9/91

- sign 551.898+/-0.074 χ^2/NDF: 3408972.6/47

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: -419.774+/-209.531 χ^2/NDF: 19.9/24

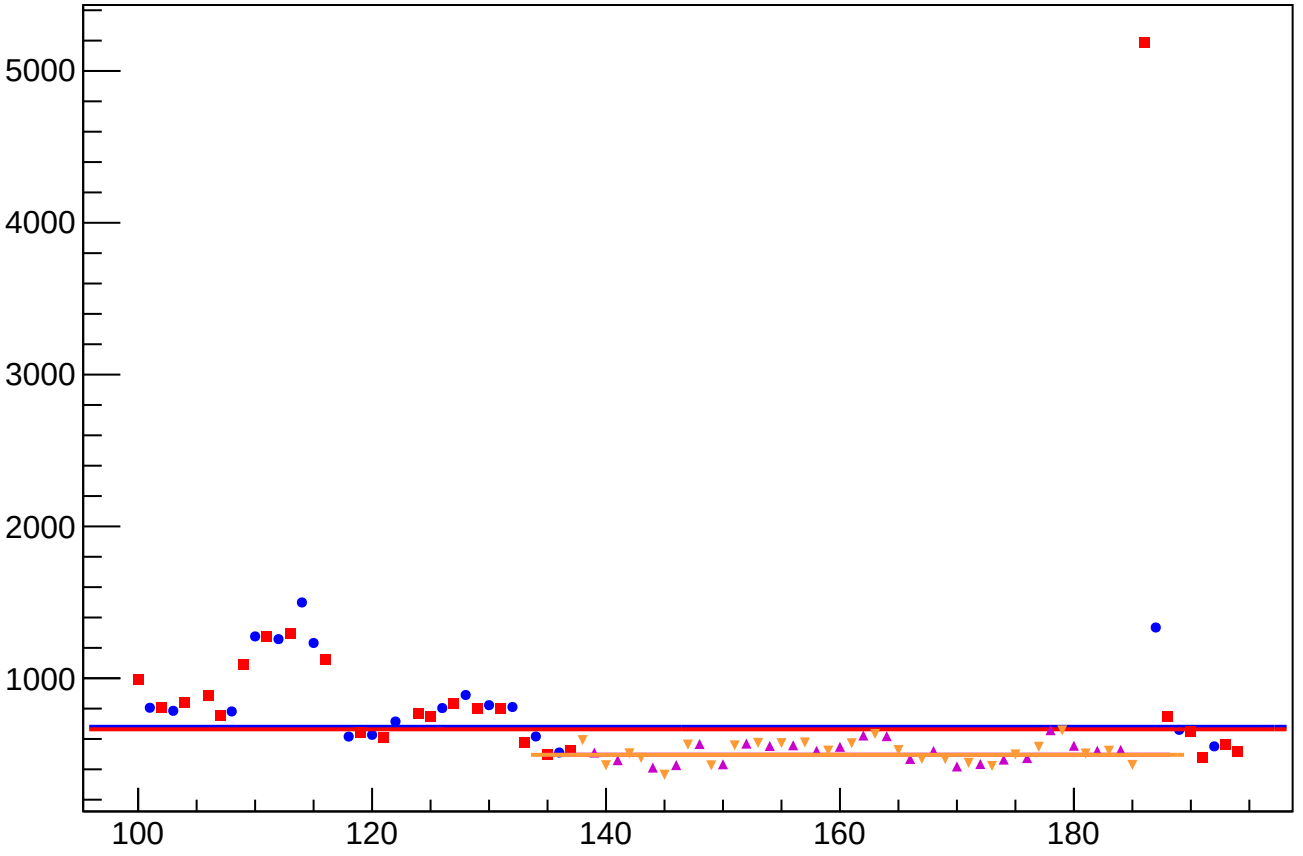
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -331.677+/-102.823 χ^2/NDF: 51.5/43

All: -241.487+/-72.556 χ^2/NDF: 103.7/91

- sign -152.044+/-102.397 χ^2/NDF: 50.7/47

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

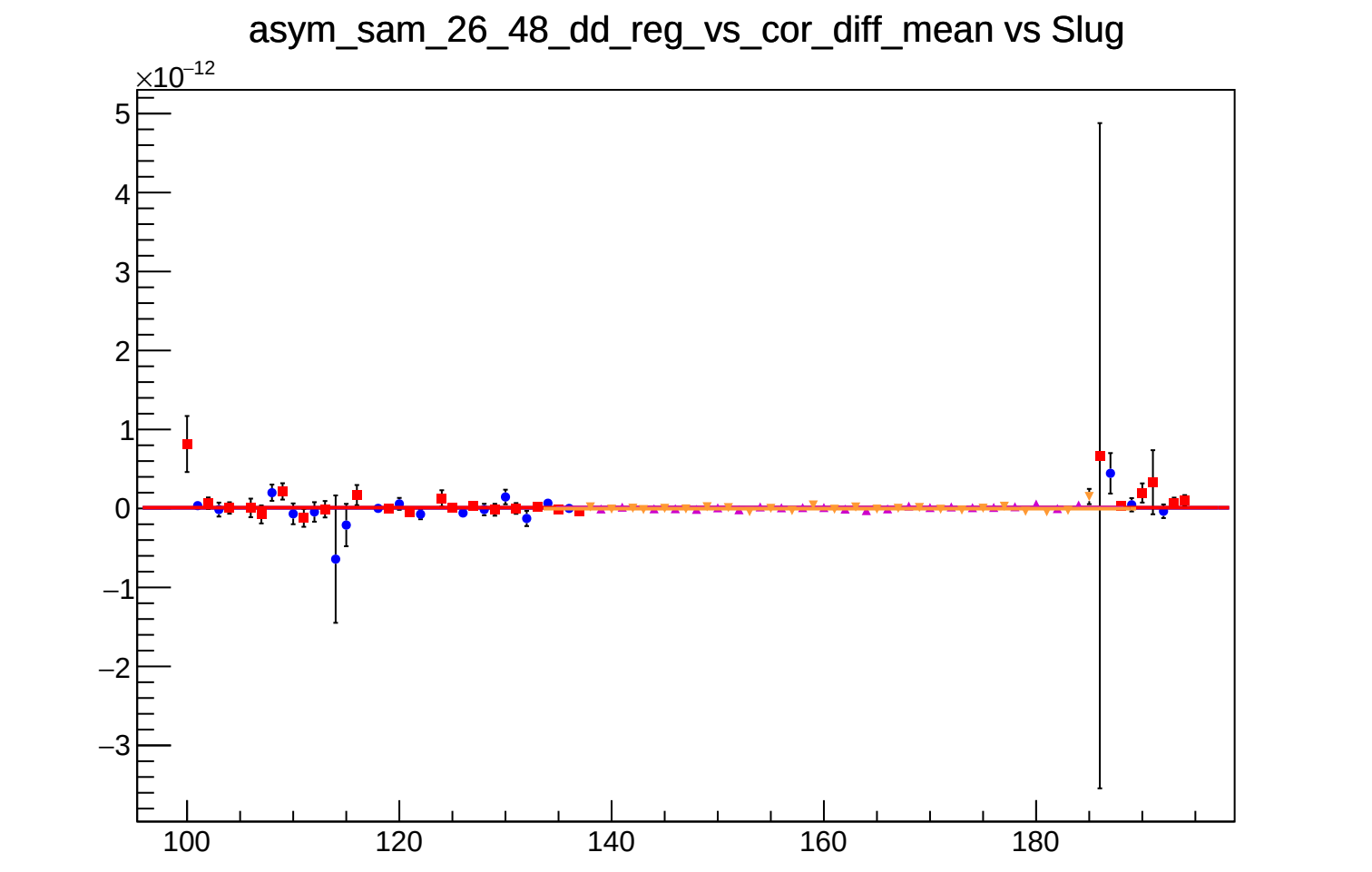
Right Out: 663.646+/-0.148 χ^2/NDF: 2008678.8/24

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 530.548+/-0.073 χ^2/NDF: 2907735.8/43

All: 533.422+/-0.051 χ^2/NDF: 6512867.0/91

- sign 536.272+/-0.072 χ^2/NDF: 3602019.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

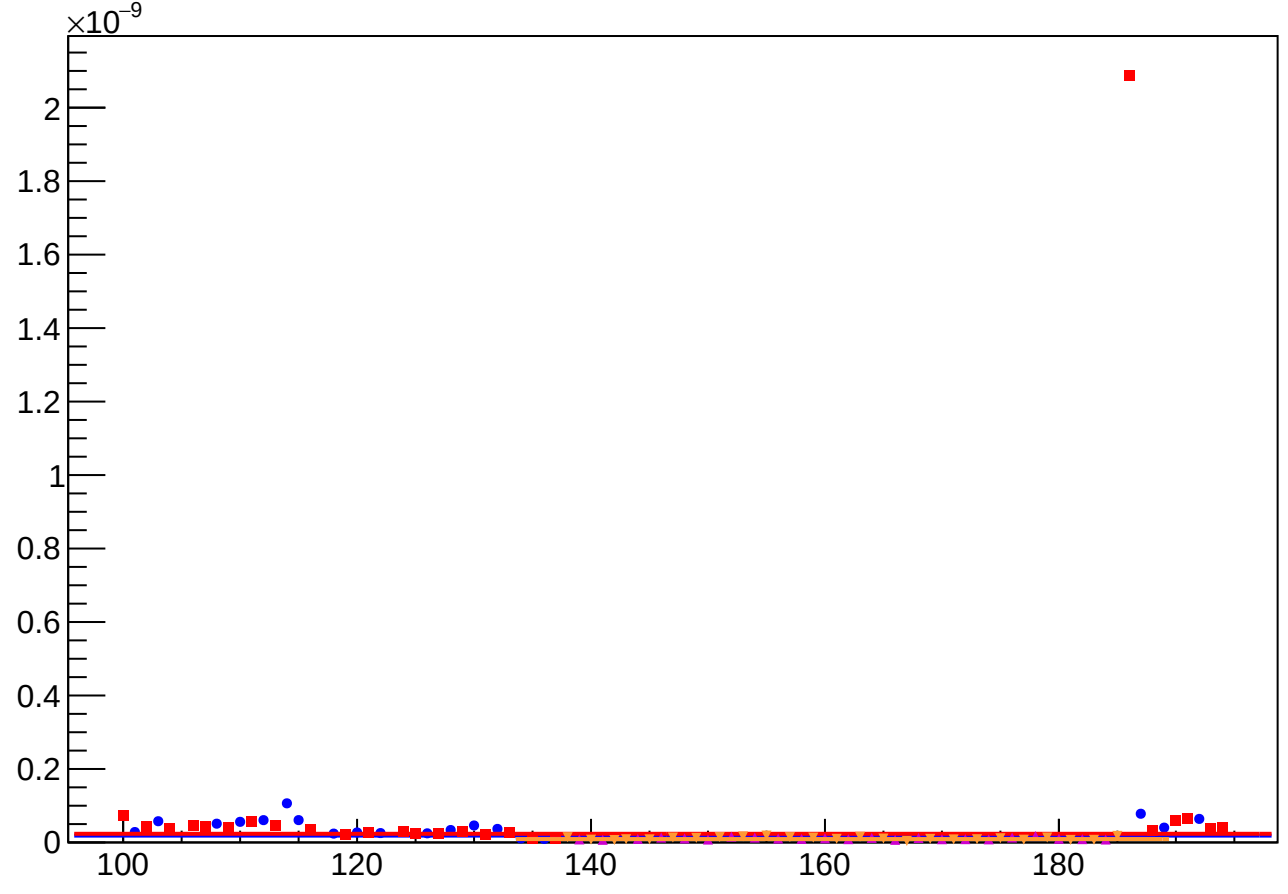
Right Out: 0.000+/-0.000 χ^2/NDF: 24.4/24

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: 90.2/91

- sign 0.000+/-0.000 χ^2/NDF: 39.9/47



Right In: 0.000+/-0.000 χ^2/NDF: 3192170.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2675712.0/24

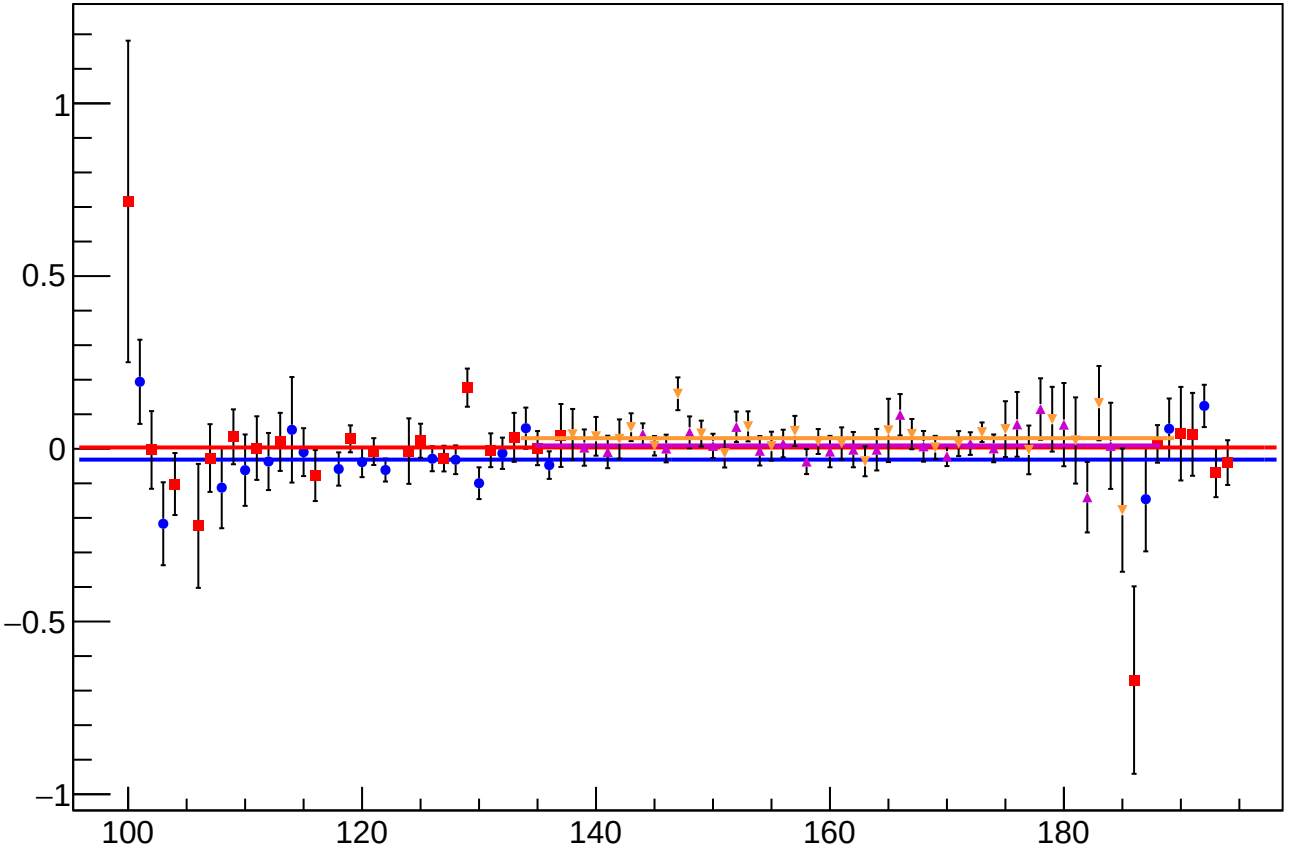
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6295818.9/43

All: 0.000+/-0.000 χ^2/NDF: 11894633.6/91

- sign 0.000+/-0.000 χ^2/NDF: 5538348.6/47

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: 0.004+/-0.013 χ^2/NDF: 26.3/24

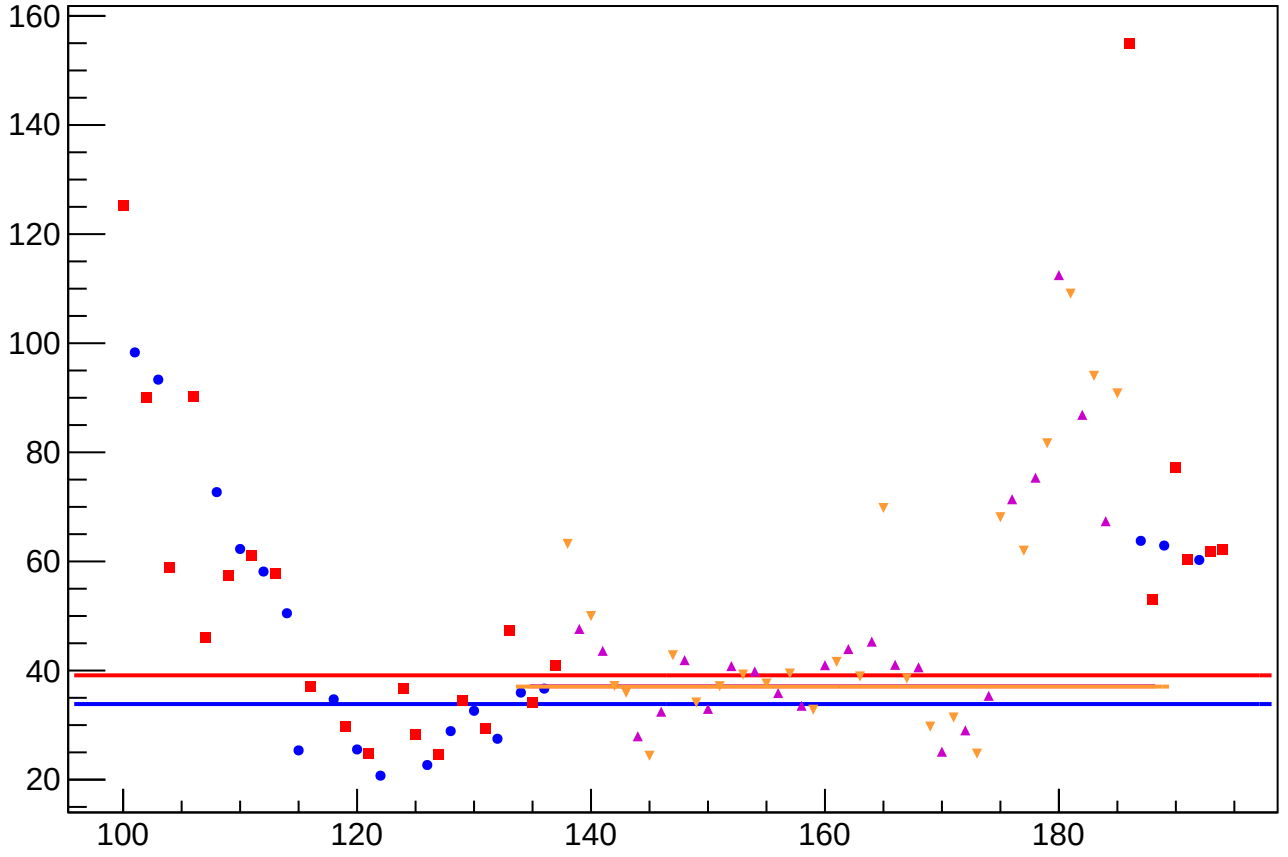
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 54.5/43

All: 0.009+/-0.005 χ^2/NDF: 94.2/91

- sign 0.008+/-0.008 χ^2/NDF: 39.7/47

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

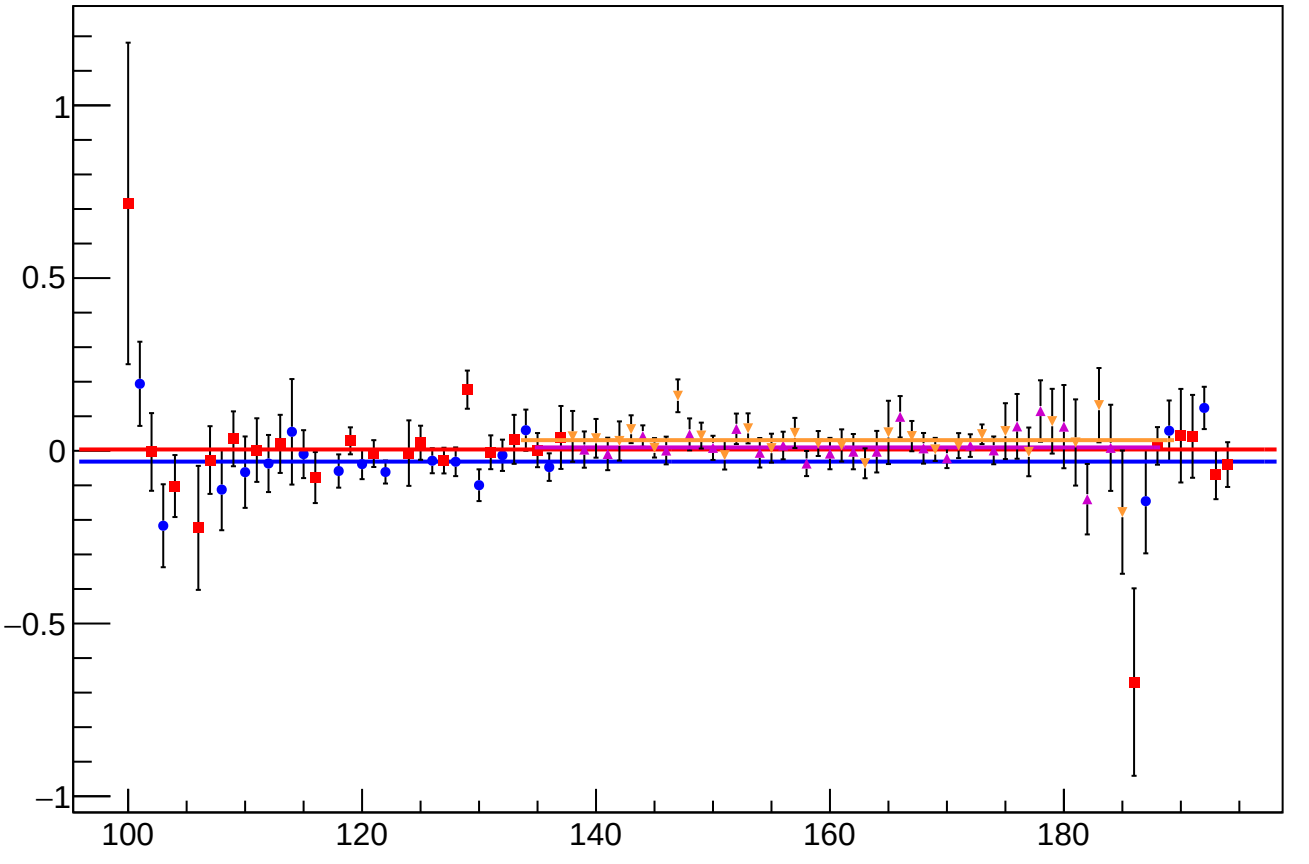
Right Out: 39.121+/-0.009 χ^2/NDF: 3177252.4/24

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.966+/-0.005 χ^2/NDF: 7110946.6/43

All: 36.862+/-0.004 χ^2/NDF: 13392001.8/91

- sign 37.807+/-0.005 χ^2/NDF: 6220932.1/47



Right In: -0.031+/-0.013 χ^2/NDF: 20.9/18

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.004+/-0.013 χ^2/NDF: 26.3/24

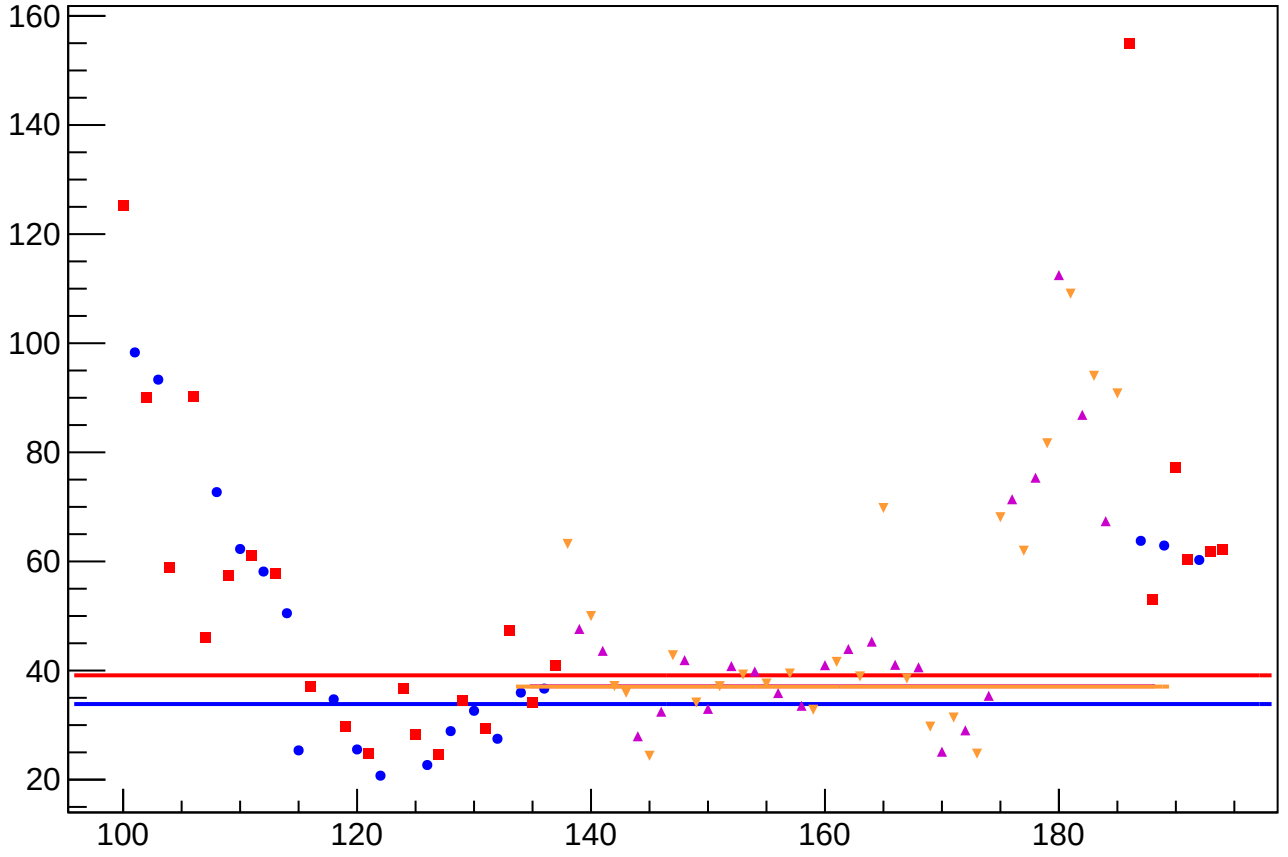
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 54.5/43

All: 0.009+/-0.005 χ^2/NDF: 94.2/91

- sign 0.008+/-0.008 χ^2/NDF: 39.7/47

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

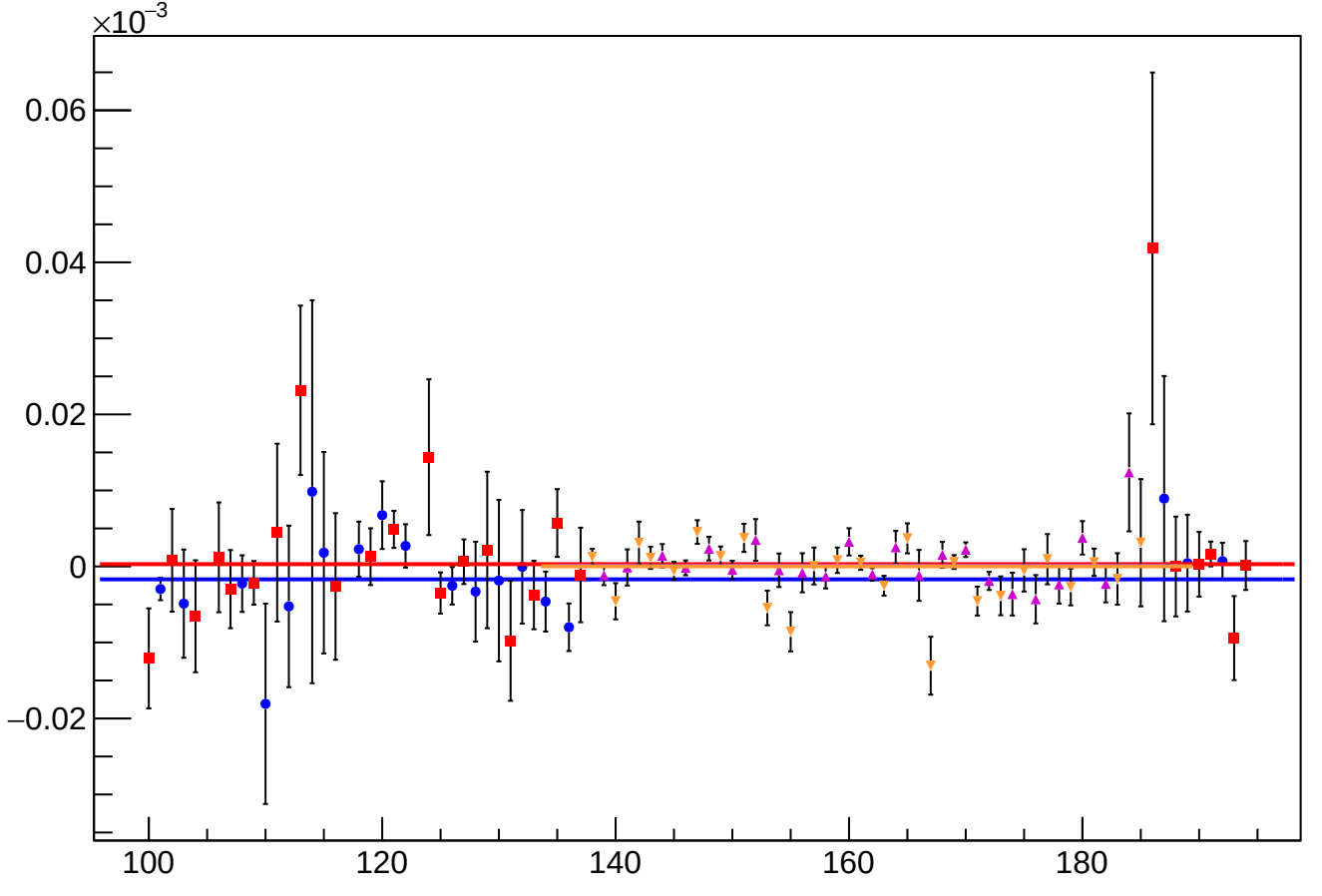
Right Out: 39.121+/-0.009 χ^2/NDF: 3177252.4/24

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.966+/-0.005 χ^2/NDF: 7110946.6/43

All: 36.862+/-0.004 χ^2/NDF: 13392001.8/91

- sign 37.807+/-0.005 χ^2/NDF: 6220932.1/47



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: 28.5/24

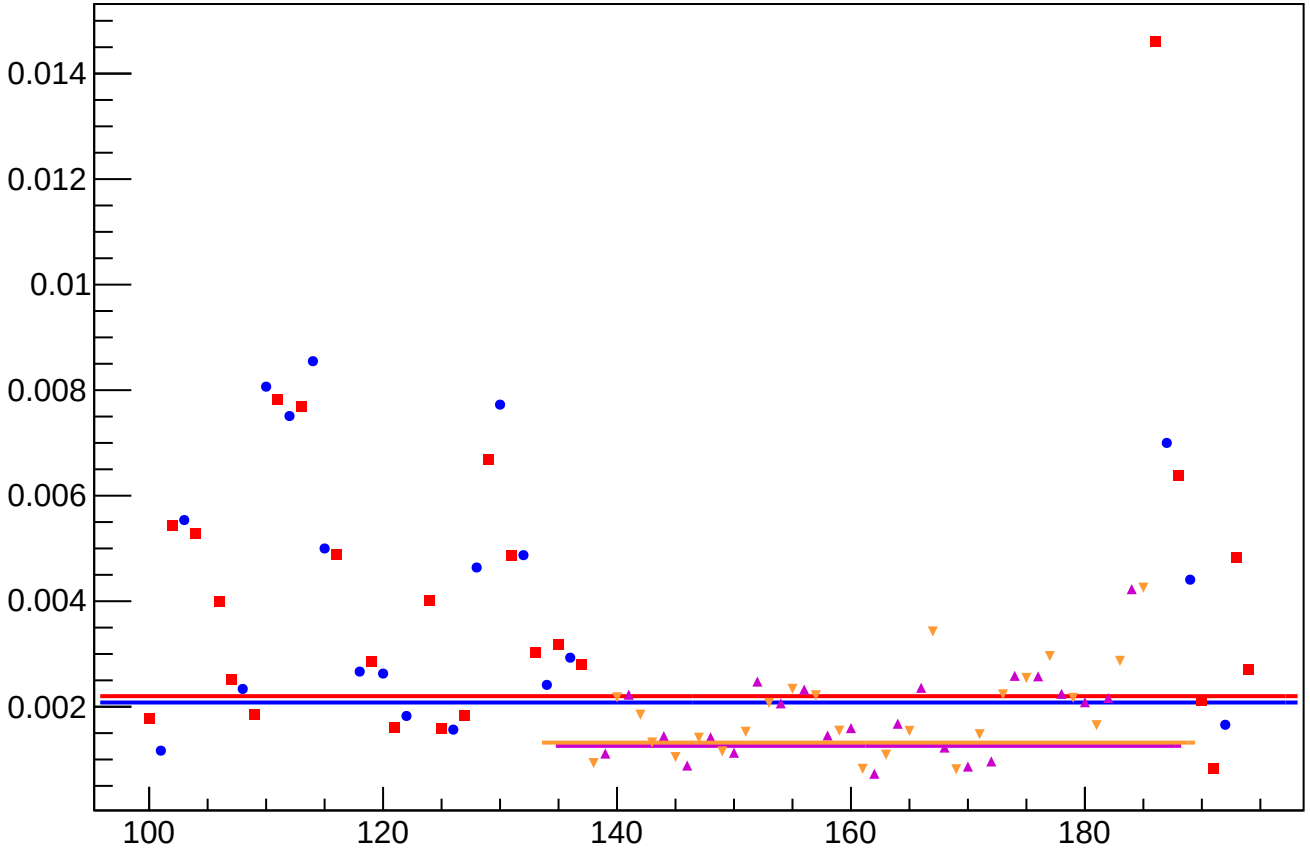
Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.6/43

All: -0.000+/-0.000 χ^2/NDF: 148.9/91

- sign 0.000+/-0.000 χ^2/NDF: 60.7/47

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4430233.2/18

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

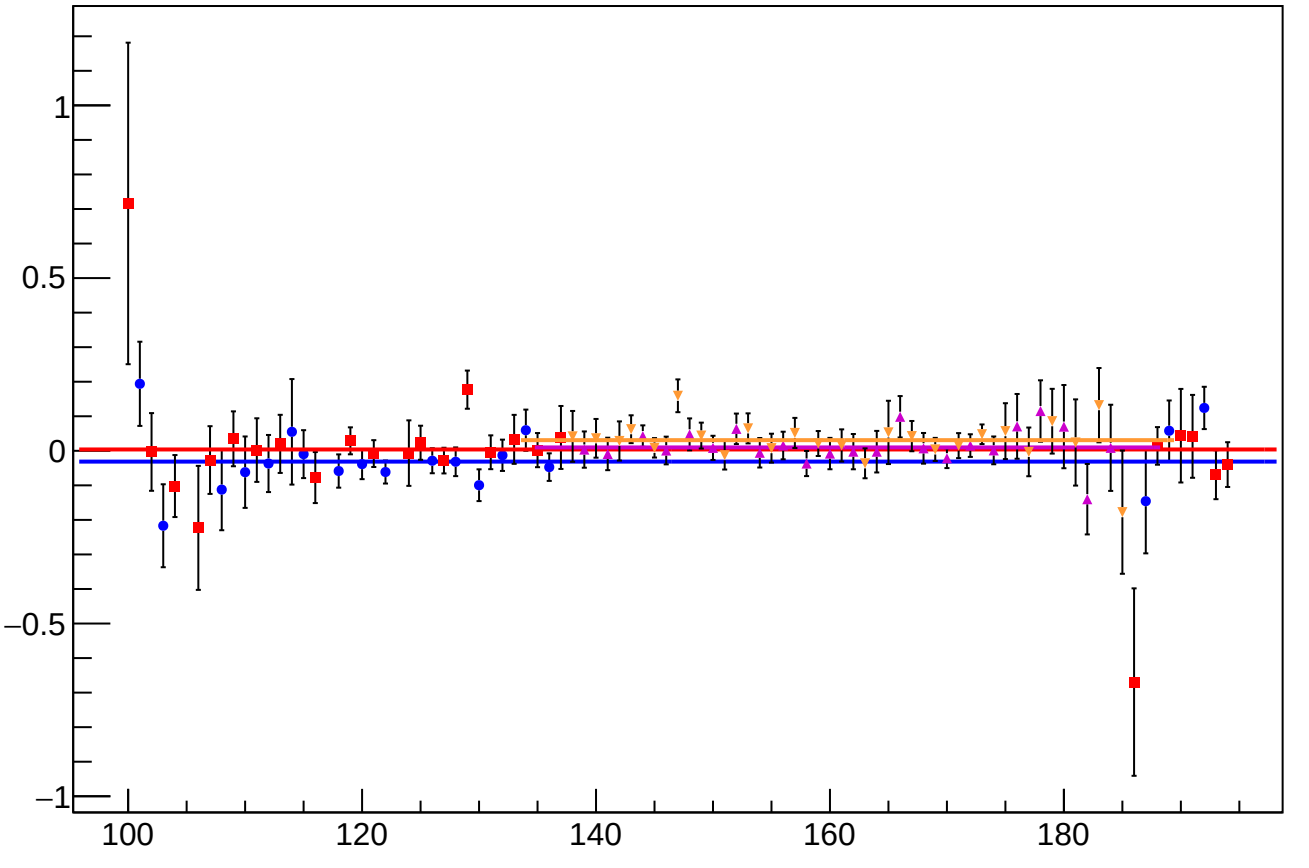
Right Out: 0.002+/-0.000 χ^2/NDF: 6557644.5/24

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 11471334.9/43

All: 0.001+/-0.000 χ^2/NDF: 25708016.6/91

- sign 0.001+/-0.000 χ^2/NDF: 14225879.9/47



Right In: -0.031+/-0.013 χ^2/NDF: 20.9/18

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

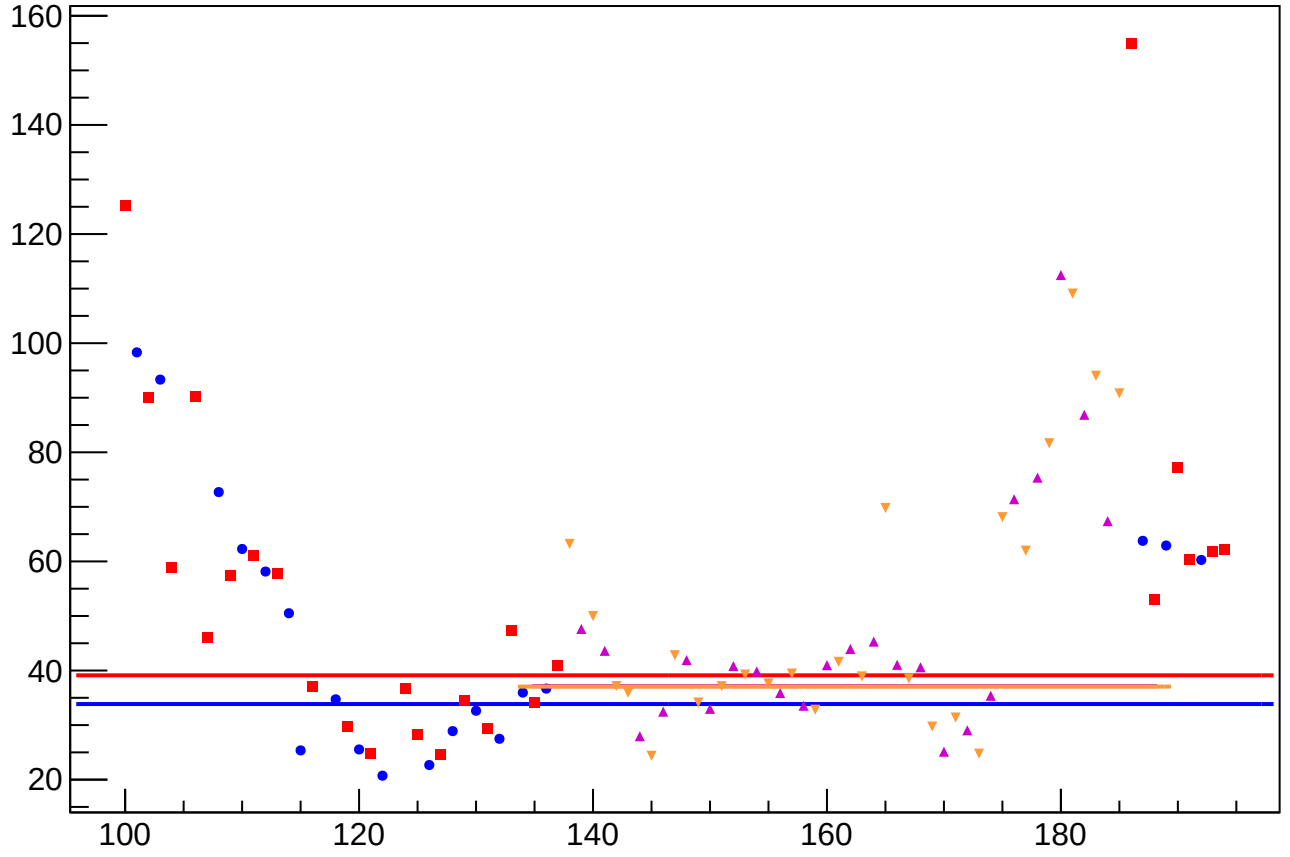
Right Out: 0.004+/-0.013 χ^2/NDF: 26.3/24

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

\+ sign 0.010+/-0.007 χ^2/NDF: 54.5/43

All: 0.009+/-0.005 χ^2/NDF: 94.2/91

\- sign 0.008+/-0.008 χ^2/NDF: 39.7/47



Right In: 33.857+/-0.009 χ^2/NDF: 2973333.3/18

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

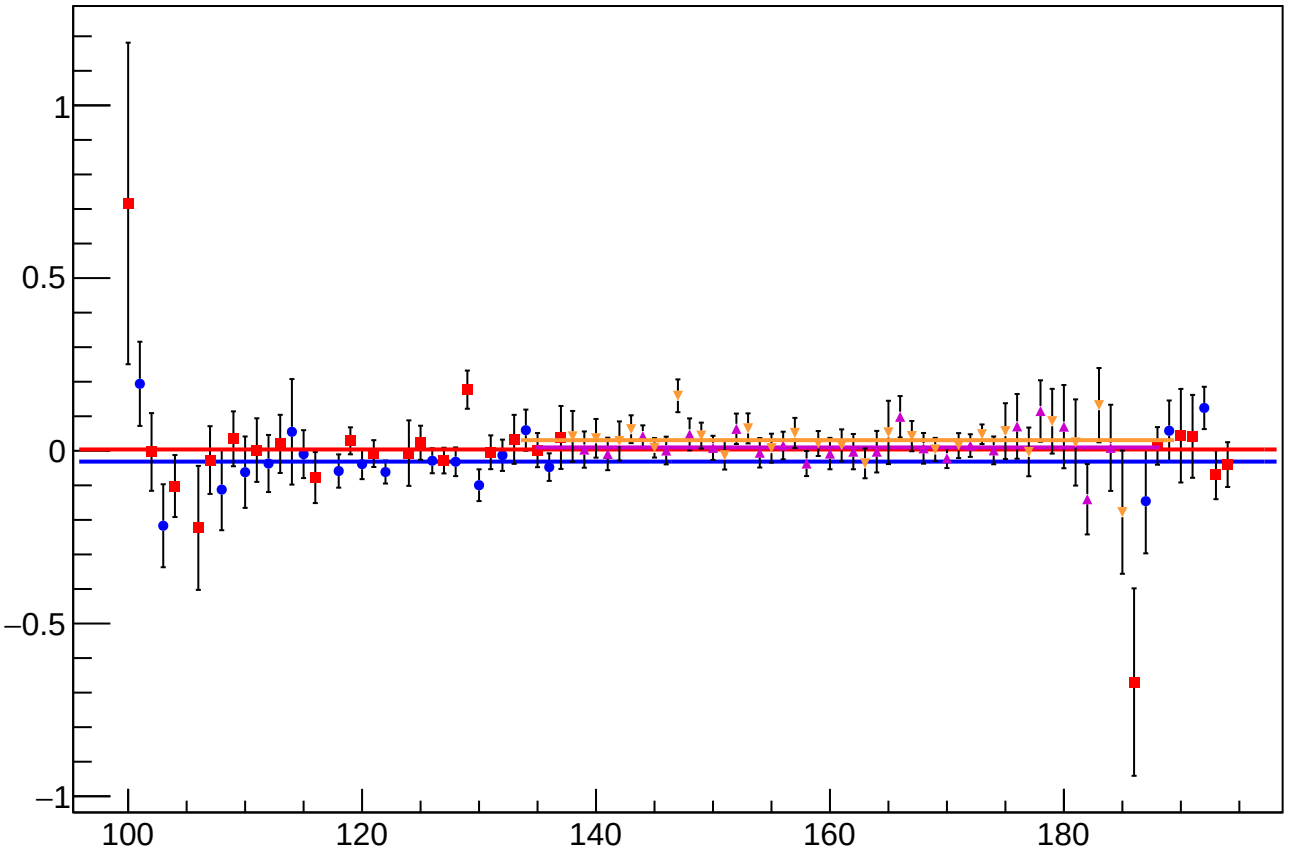
Right Out: 39.121+/-0.009 χ^2/NDF: 3177090.4/24

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 35.966+/-0.005 χ^2/NDF: 7110904.0/43

All: 36.862+/-0.004 χ^2/NDF: 13391784.2/91

- sign 37.808+/-0.005 χ^2/NDF: 6220757.4/47



Right In: -0.031+/-0.013 χ^2/NDF: 20.9/18

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

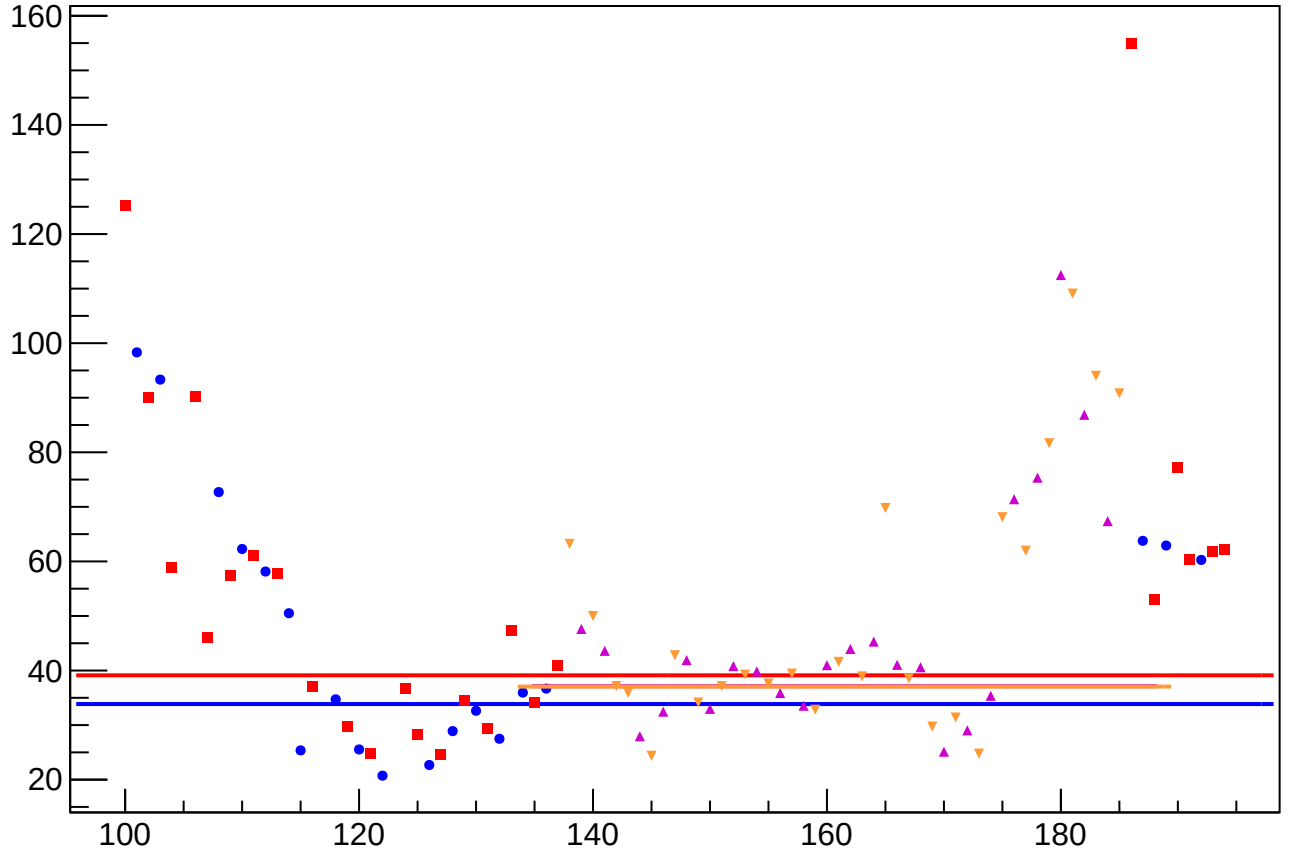
Right Out: 0.004+/-0.013 χ^2/NDF: 26.3/24

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.010+/-0.007 χ^2/NDF: 54.5/43

All: 0.009+/-0.005 χ^2/NDF: 94.2/91

- sign 0.008+/-0.008 χ^2/NDF: 39.7/47



Right In: 33.857+/-0.009 χ^2/NDF: 2973333.3/18

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

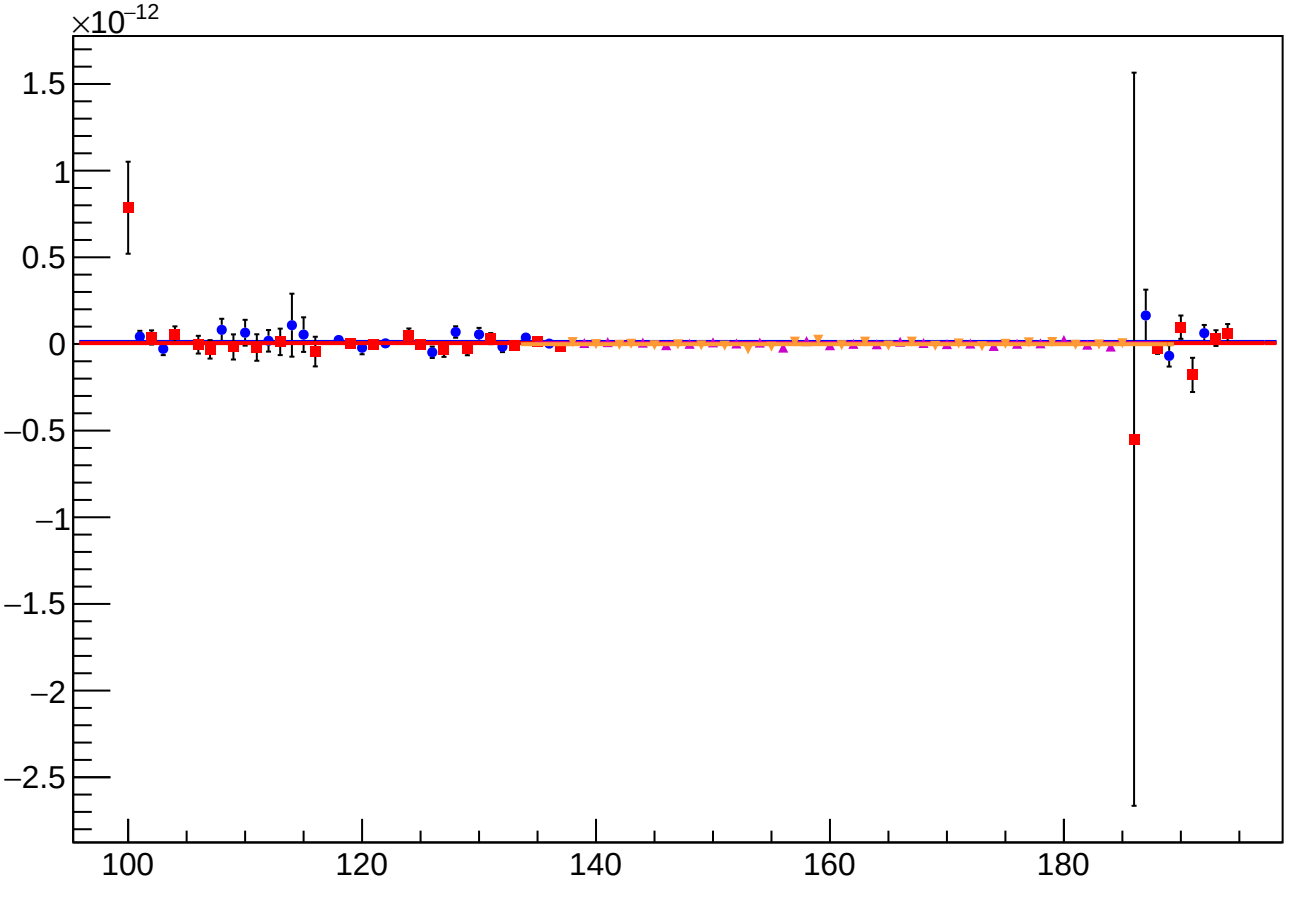
Right Out: 39.121+/-0.009 χ^2/NDF: 3177090.4/24

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 35.966+/-0.005 χ^2/NDF: 7110904.0/43

All: 36.862+/-0.004 χ^2/NDF: 13391784.2/91

- sign 37.808+/-0.005 χ^2/NDF: 6220757.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/18

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

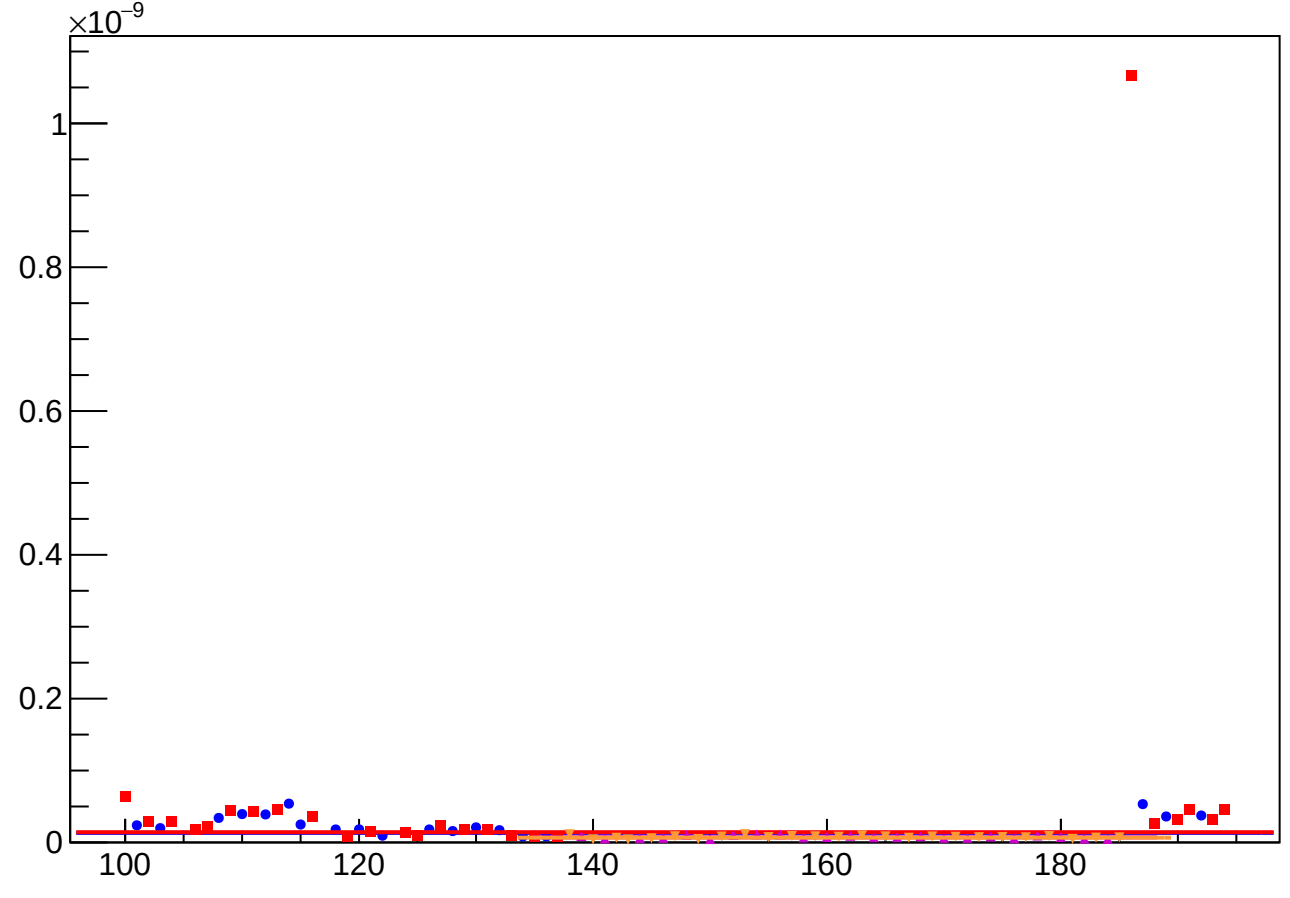
Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/24

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.5/43

All: 0.000+/-0.000 χ^2/NDF: 97.9/91

- sign 0.000+/-0.000 χ^2/NDF: 45.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 3128156.7/18

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4898188.9/24

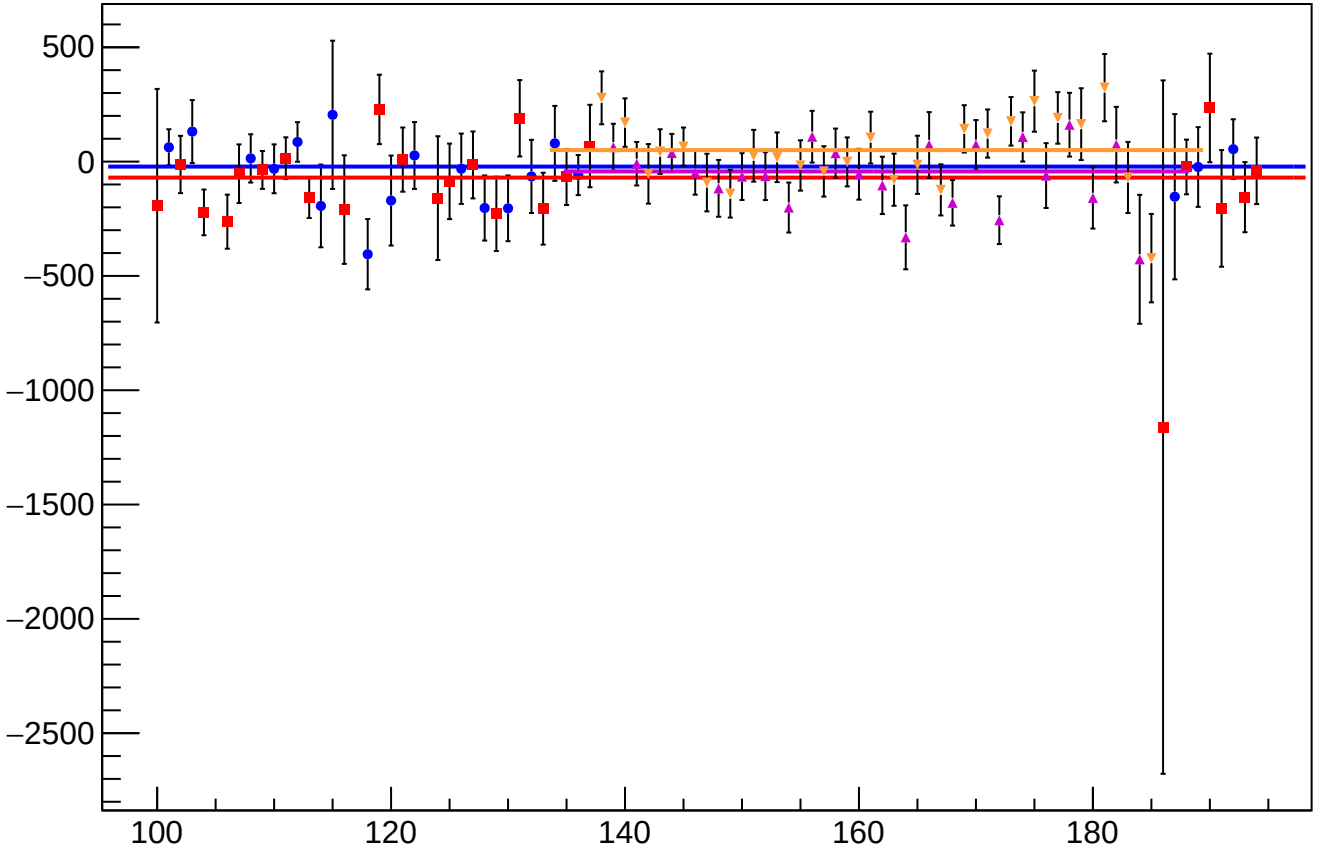
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7097938.1/43

All: 0.000+/-0.000 χ^2/NDF: 15778249.4/91

- sign 0.000+/-0.000 χ^2/NDF: 8601989.8/47

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: -69.979+/-27.639 χ^2/NDF: 19.8/24

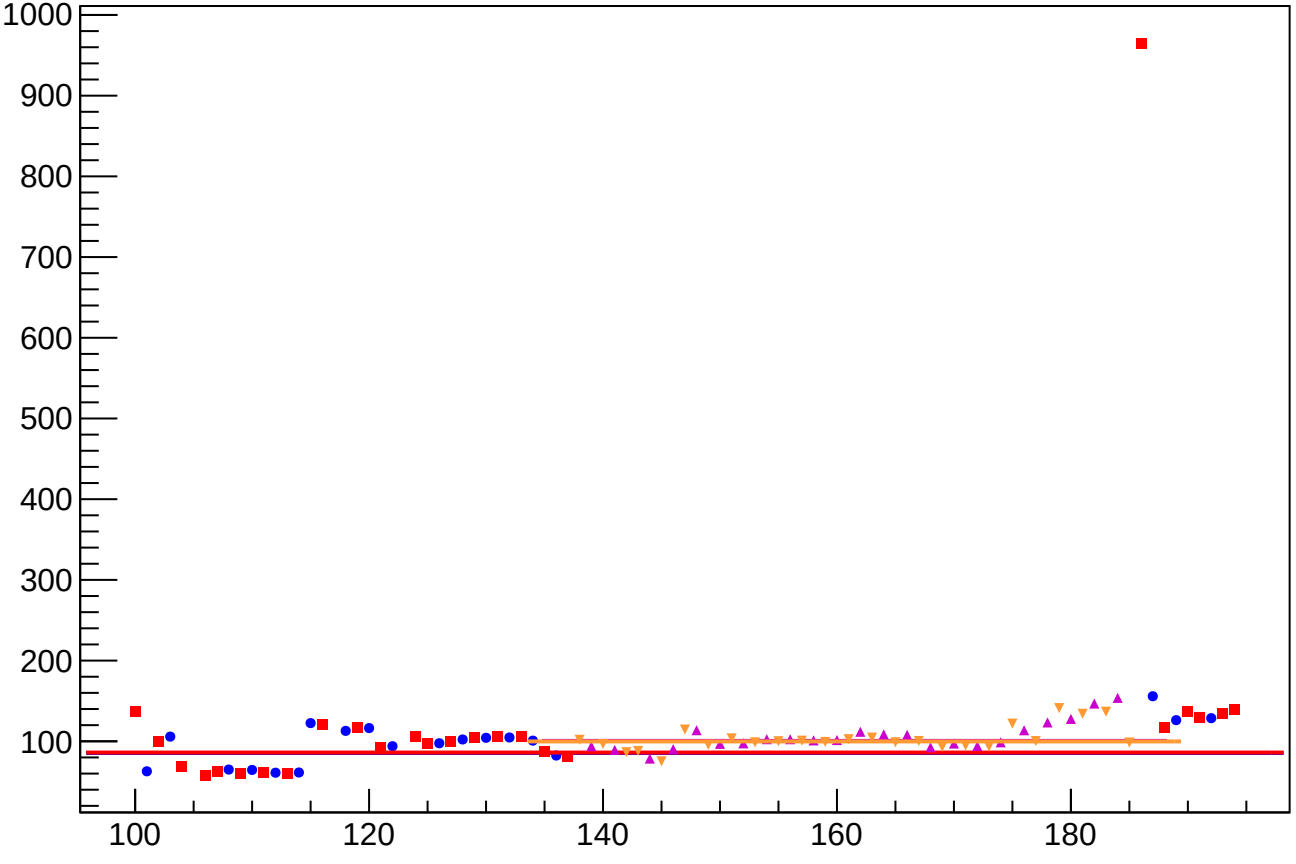
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.494+/-18.191 χ^2/NDF: 53.8/43

All: -15.869+/-12.801 χ^2/NDF: 110.0/91

- sign -54.479+/-18.017 χ^2/NDF: 46.9/47

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: 86.045+/-0.020 χ^2/NDF: 2483135.6/24

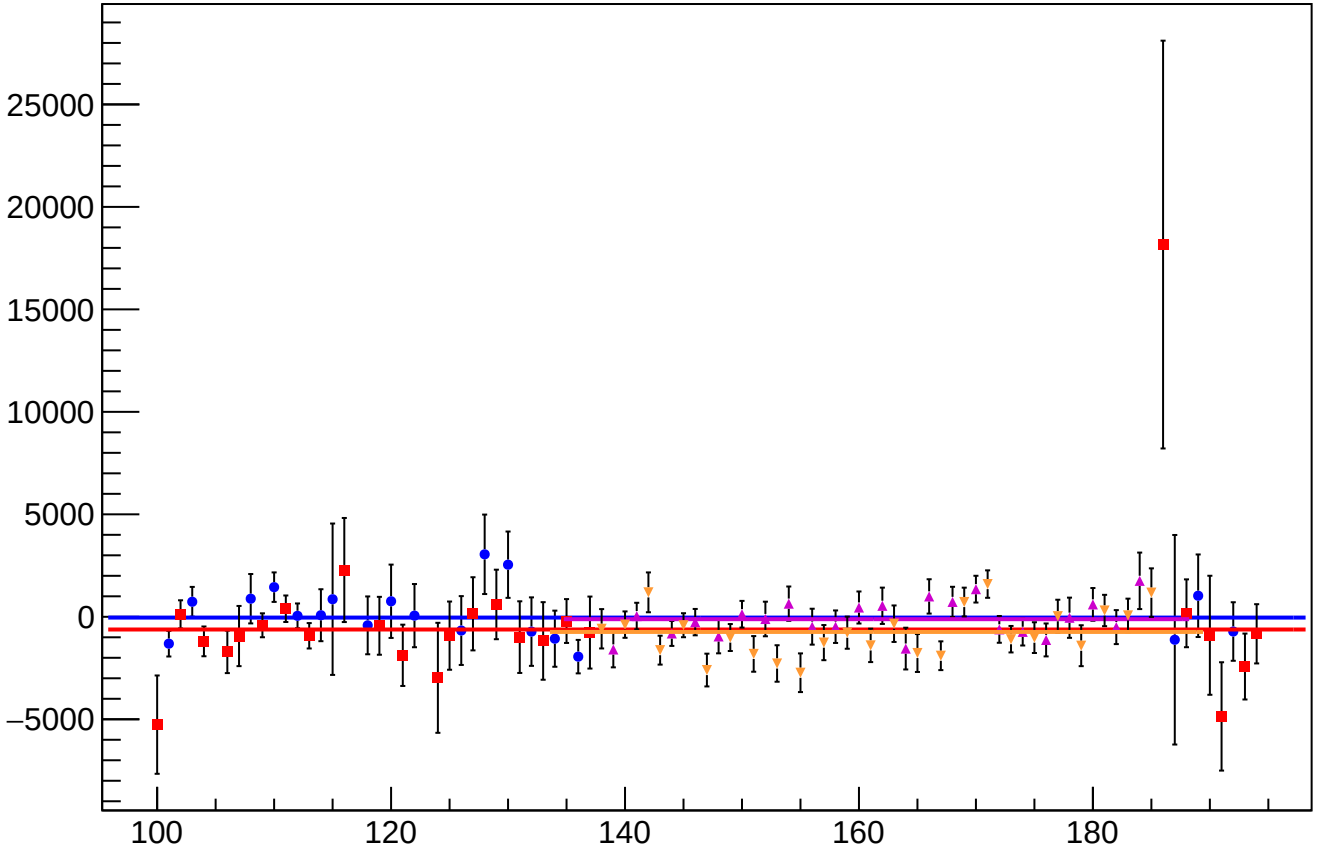
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 94.505+/-0.013 χ^2/NDF: 2216277.9/43

All: 94.430+/-0.009 χ^2/NDF: 5670848.4/91

- sign 94.356+/-0.013 χ^2/NDF: 3454502.7/47

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: -619.596+/-228.911 χ^2/NDF: 21.0/24

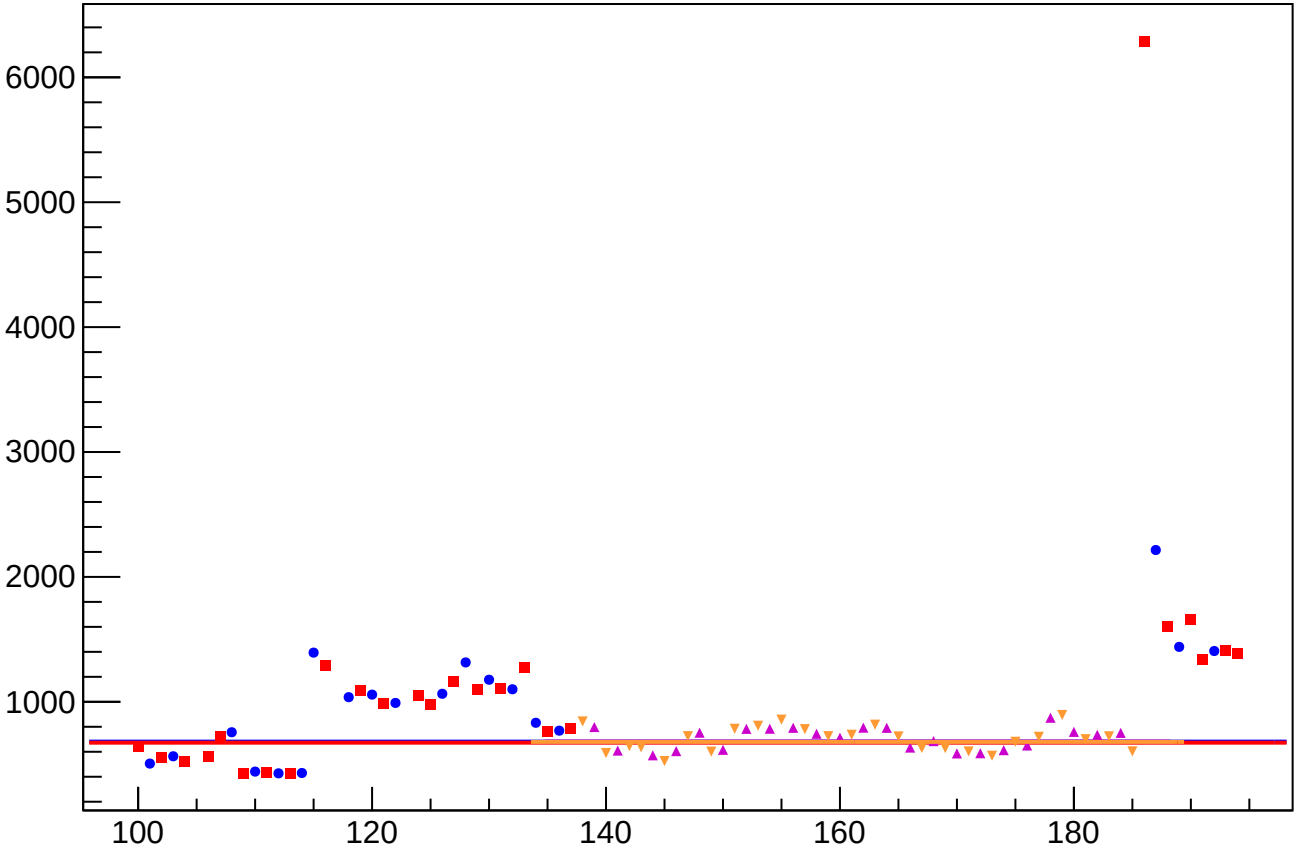
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -542.219+/-132.635 χ^2/NDF: 77.7/43

All: -411.382+/-93.449 χ^2/NDF: 127.6/91

- sign -282.413+/-131.685 χ^2/NDF: 48.0/47

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: 672.870+/-0.162 χ^2/NDF: 4775019.6/24

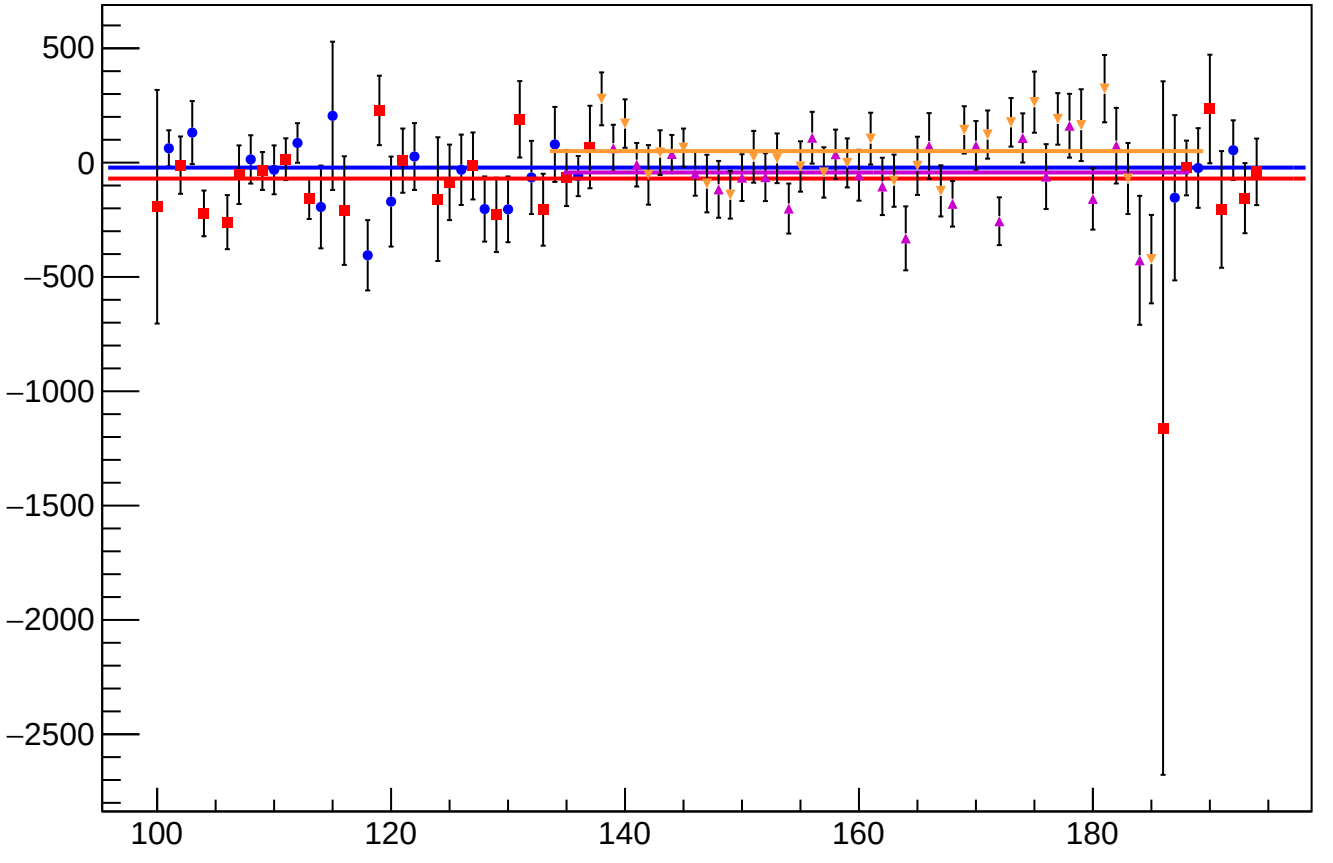
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 679.728+/-0.094 χ^2/NDF: 3640243.2/43

All: 679.315+/-0.066 χ^2/NDF: 8991192.8/91

- sign 678.907+/-0.093 χ^2/NDF: 5350911.1/47

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: -69.752+/-27.640 χ^2/NDF: 19.7/24

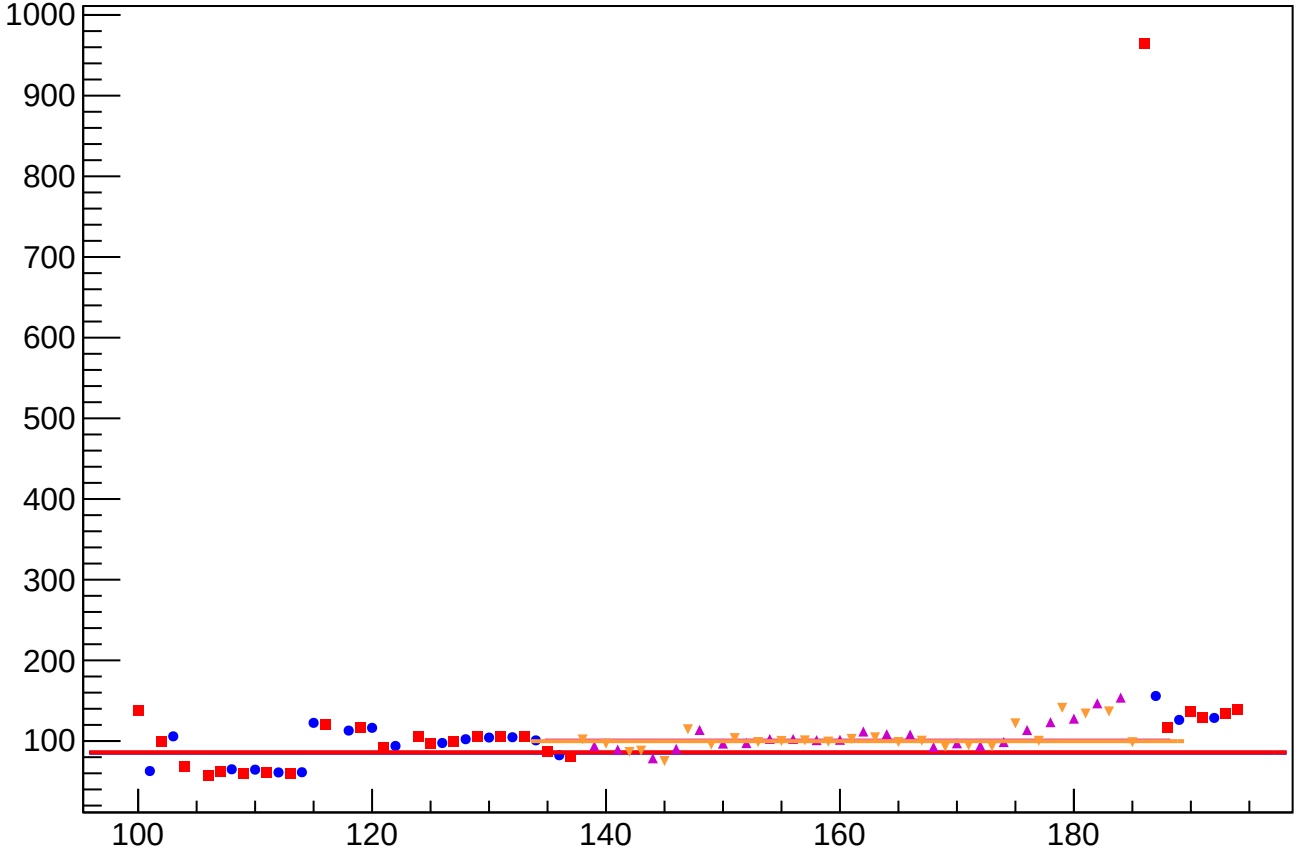
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.498+/-18.191 χ^2/NDF: 53.8/43

All: -15.817+/-12.801 χ^2/NDF: 109.9/91

- sign -54.382+/-18.017 χ^2/NDF: 46.8/47

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: 86.030+/-0.020 χ^2/NDF: 2485902.4/24

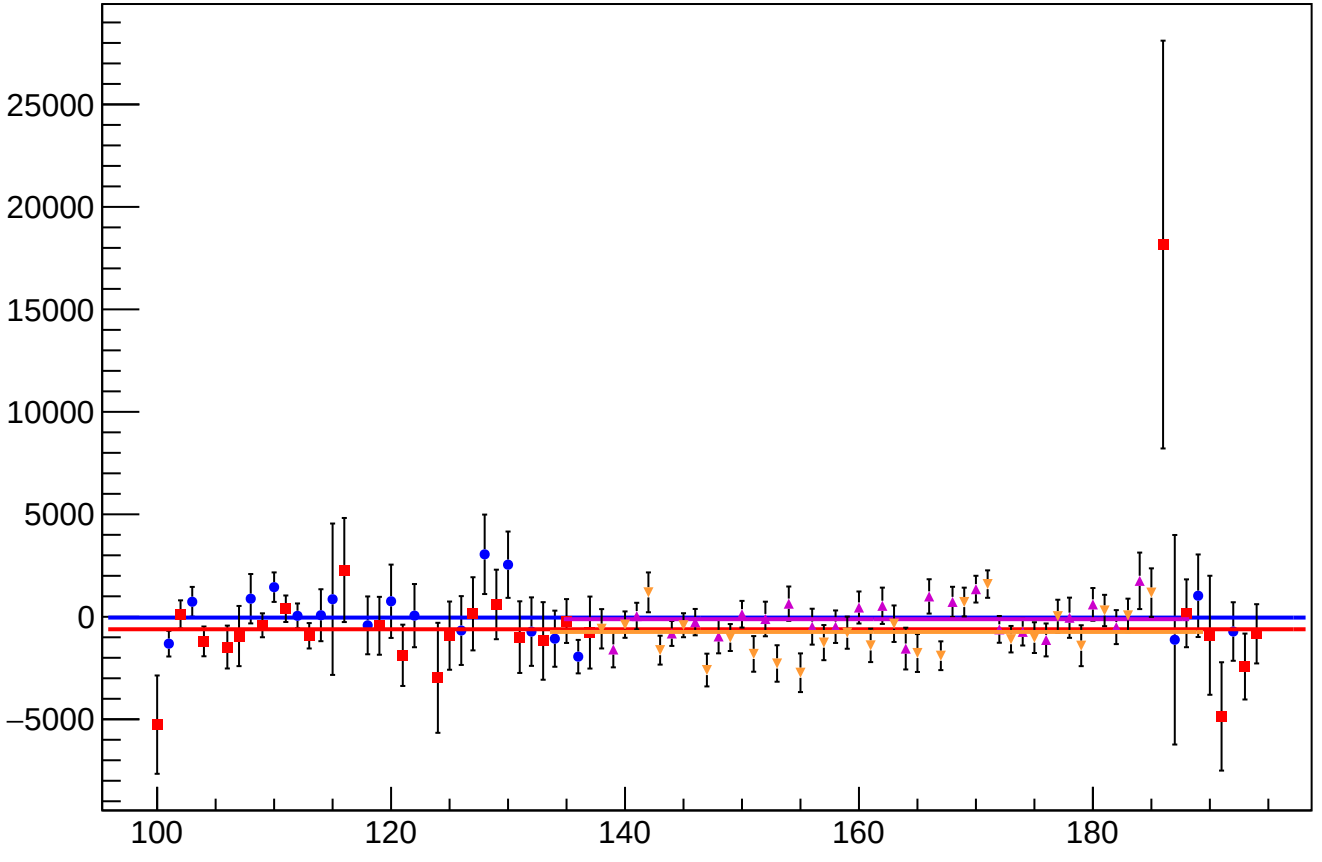
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 94.505+/-0.013 χ^2/NDF: 2216279.2/43

All: 94.427+/-0.009 χ^2/NDF: 5674260.0/91

- sign 94.350+/-0.013 χ^2/NDF: 3457907.3/47

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: -607.737+/-229.042 χ^2/NDF: 20.6/24

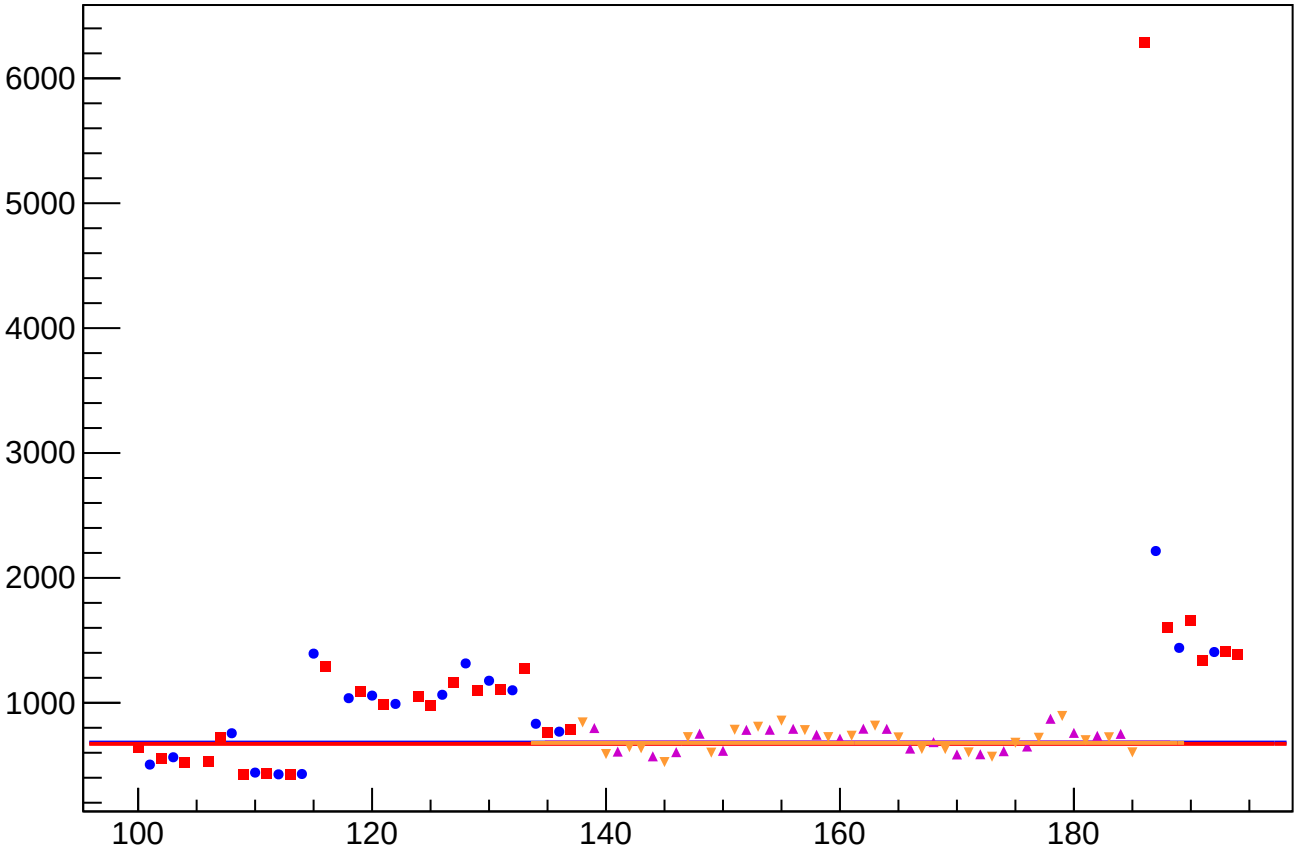
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -542.221+/-132.636 χ^2/NDF: 77.7/43

All: -409.368+/-93.458 χ^2/NDF: 127.1/91

- sign -278.364+/-131.709 χ^2/NDF: 47.4/47

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: 671.404+/-0.162 χ^2/NDF: 4790024.2/24

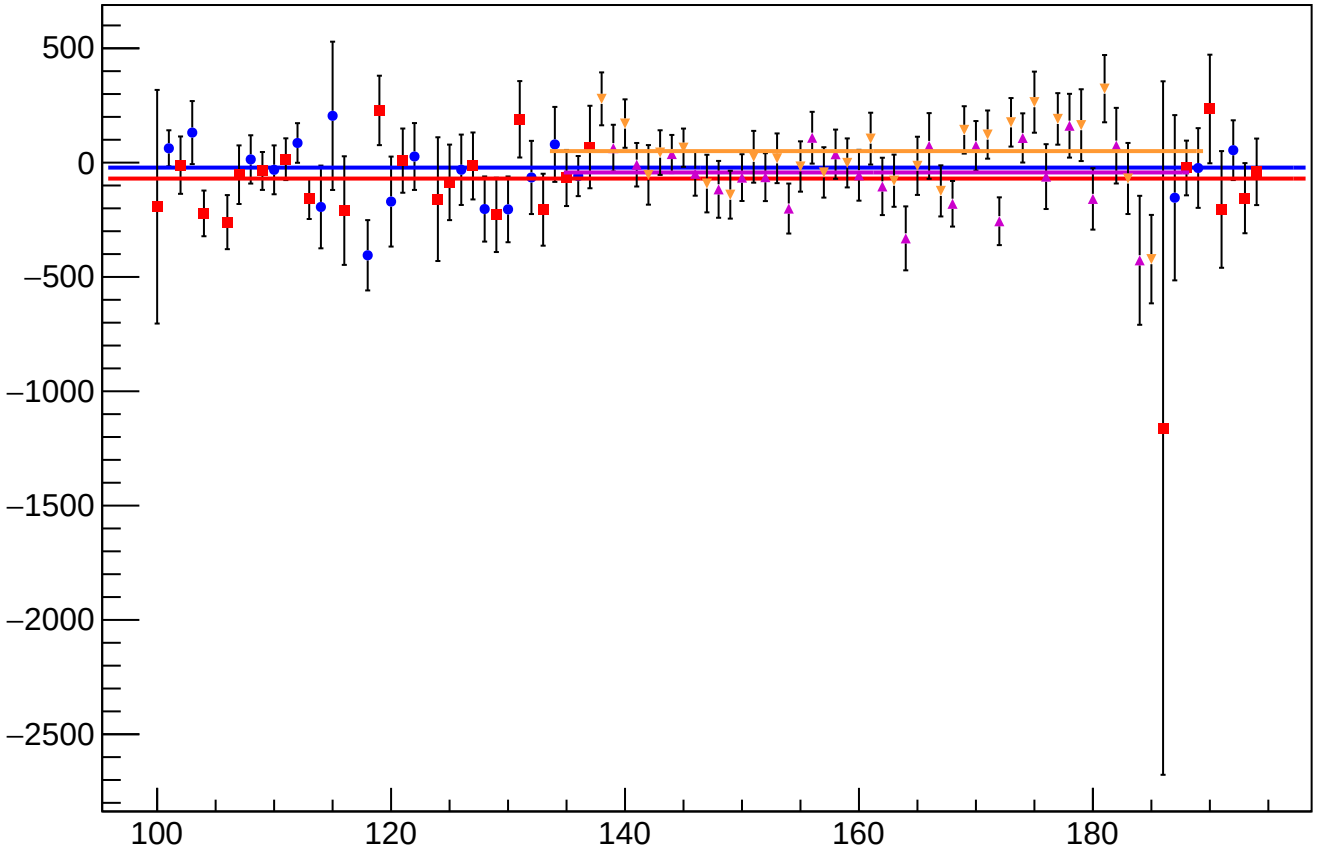
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 679.730+/-0.094 χ^2/NDF: 3640180.2/43

All: 679.073+/-0.066 χ^2/NDF: 9006922.9/91

- sign 678.425+/-0.093 χ^2/NDF: 5366645.1/47

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: -69.752+/-27.640 χ^2/NDF: 19.7/24

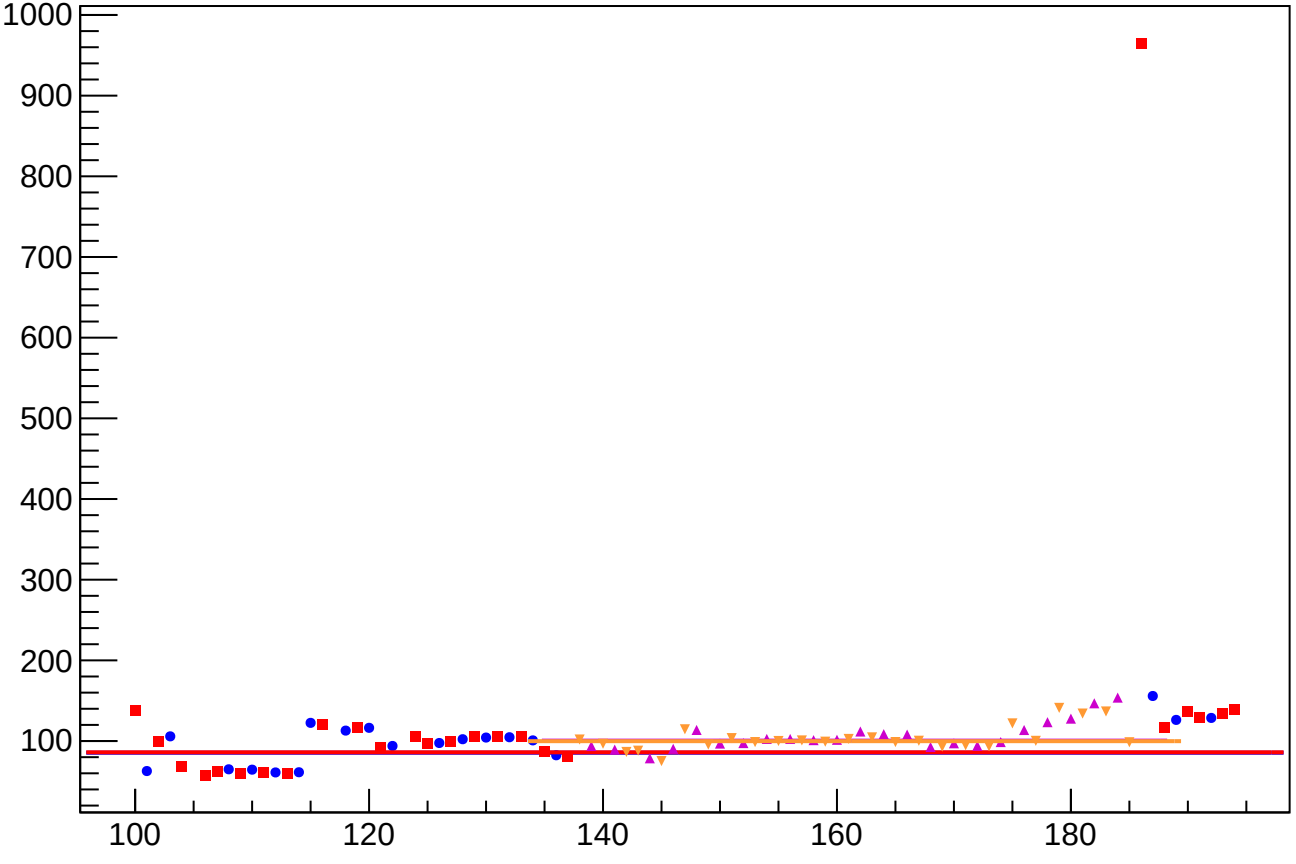
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.498+/-18.191 χ^2/NDF: 53.8/43

All: -15.817+/-12.801 χ^2/NDF: 109.9/91

- sign -54.382+/-18.017 χ^2/NDF: 46.8/47

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

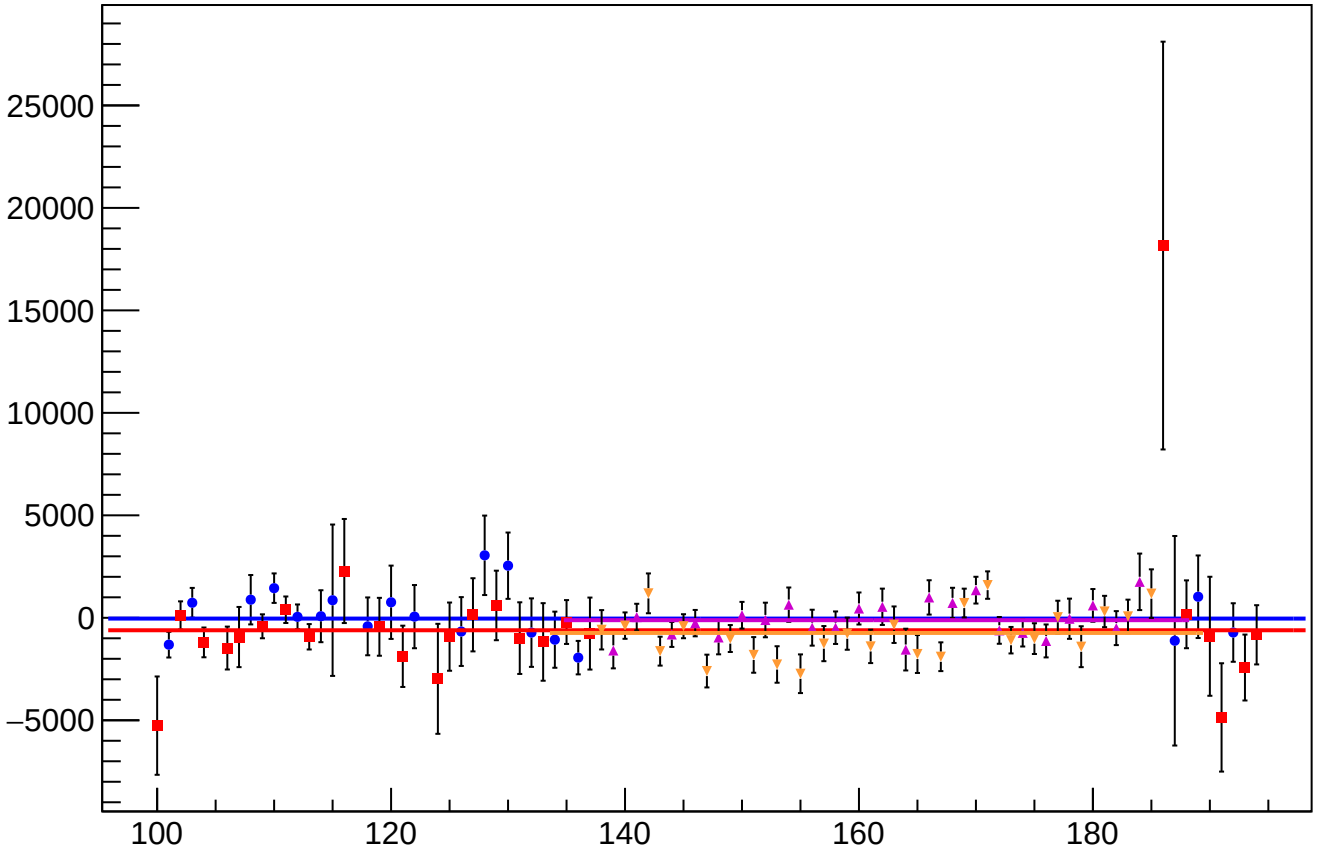
Right Out: 86.030+/-0.020 χ^2/NDF: 2485902.4/24

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 94.505+/-0.013 χ^2/NDF: 2216279.2/43

All: 94.427+/-0.009 χ^2/NDF: 5674260.0/91

- sign 94.350+/-0.013 χ^2/NDF: 3457907.3/47



Right In: -37.842+/-250.665 χ^2/NDF: 22.4/18

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -607.737+/-229.042 χ^2/NDF: 20.6/24

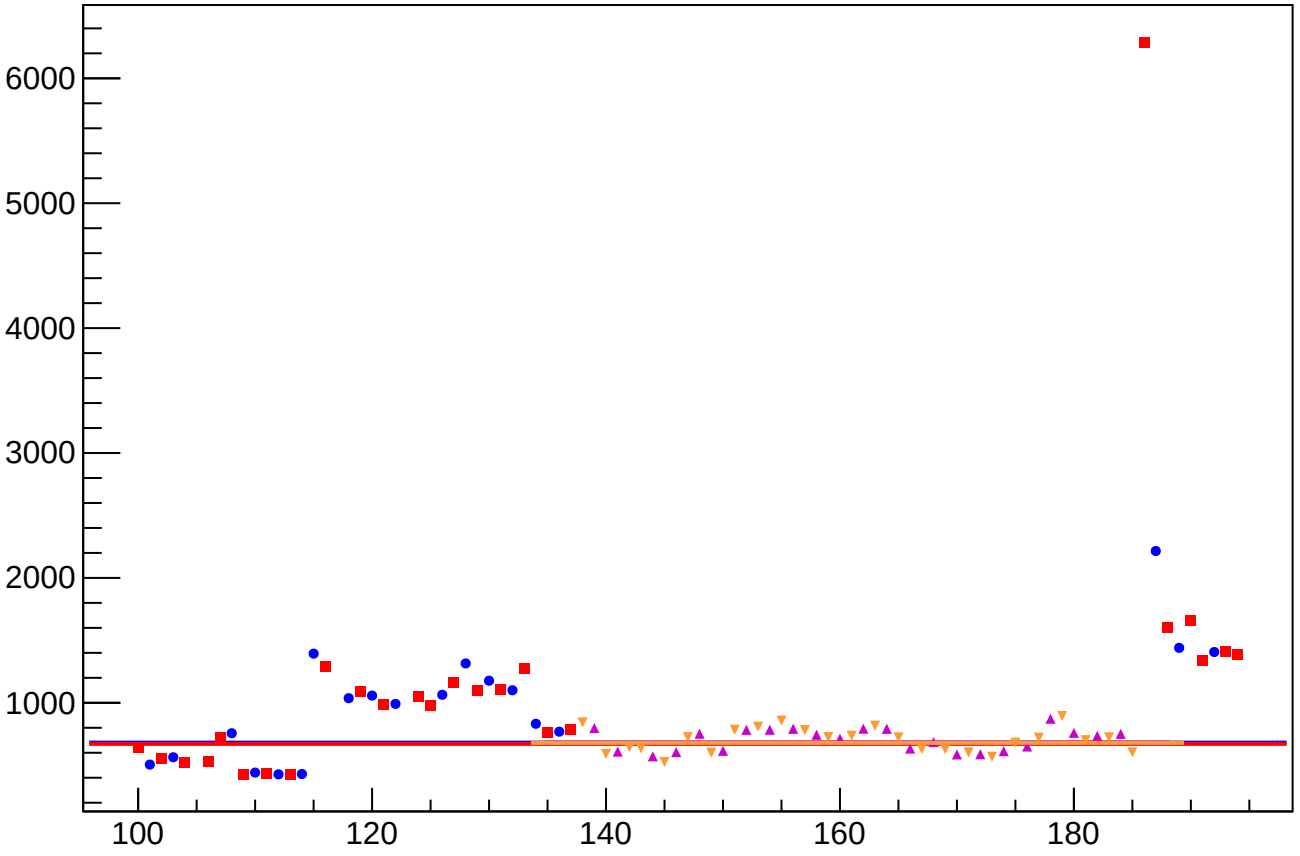
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -542.221+/-132.636 χ^2/NDF: 77.7/43

All: -409.368+/-93.458 χ^2/NDF: 127.1/91

- sign -278.364+/-131.709 χ^2/NDF: 47.4/47

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: 671.404+/-0.162 χ^2/NDF: 4790024.2/24

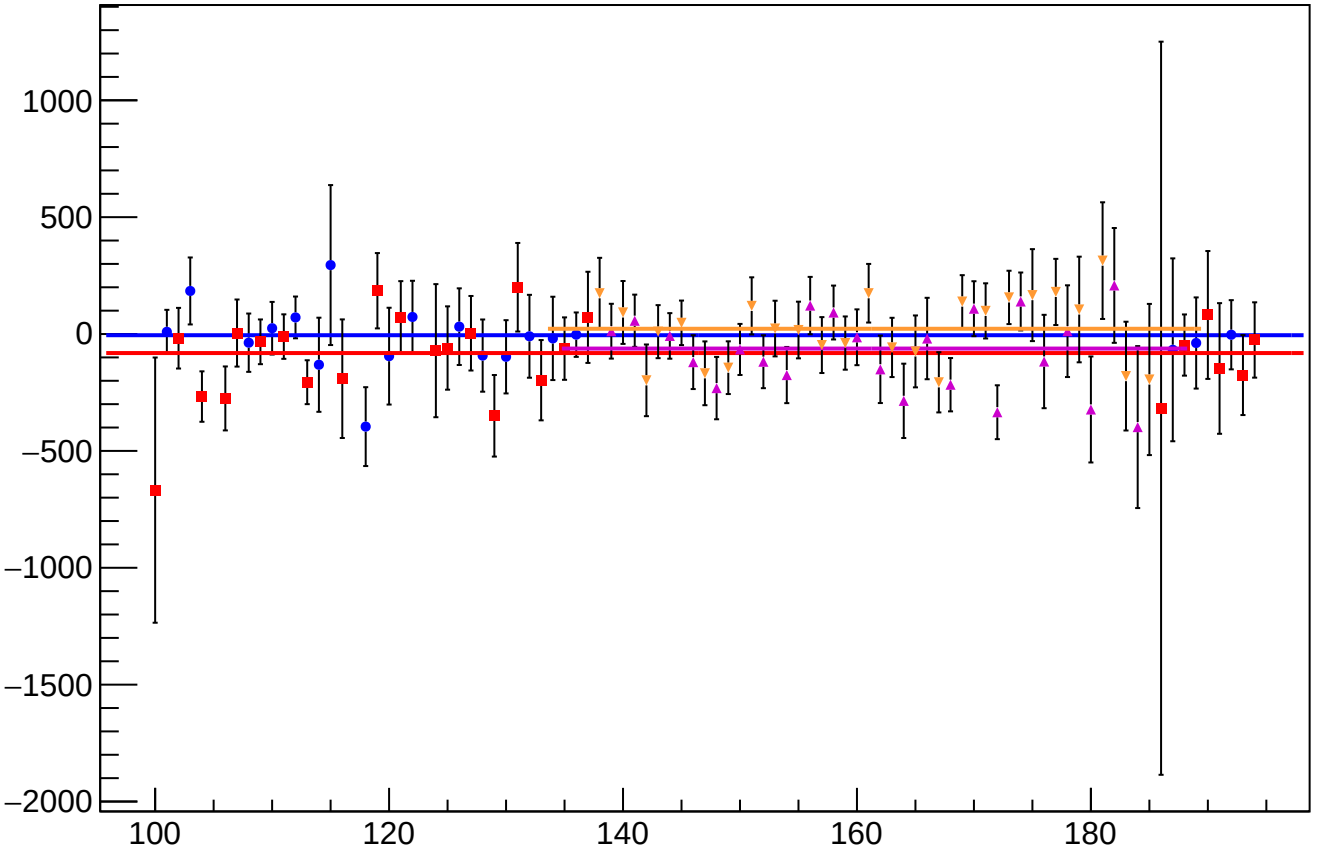
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 679.730+/-0.094 χ^2/NDF: 3640180.2/43

All: 679.073+/-0.066 χ^2/NDF: 9006922.9/91

- sign 678.425+/-0.093 χ^2/NDF: 5366645.1/47

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: -81.357+/-30.197 χ^2/NDF: 20.0/24

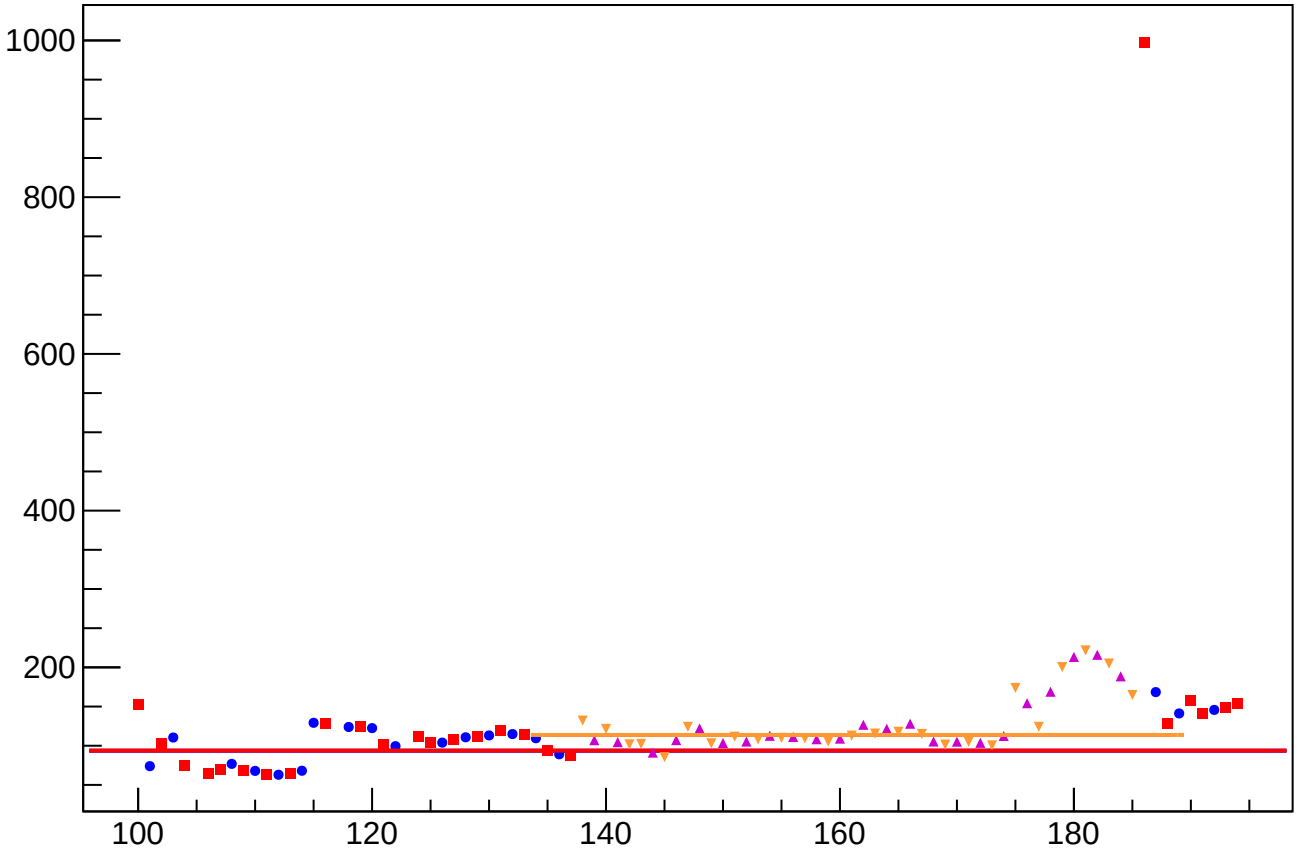
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 11.537+/-20.652 χ^2/NDF: 32.4/43

All: -30.414+/-14.465 χ^2/NDF: 88.1/91

- sign -70.812+/-20.267 χ^2/NDF: 47.5/47

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: 93.791+/-0.021 χ^2/NDF: 2480520.8/24

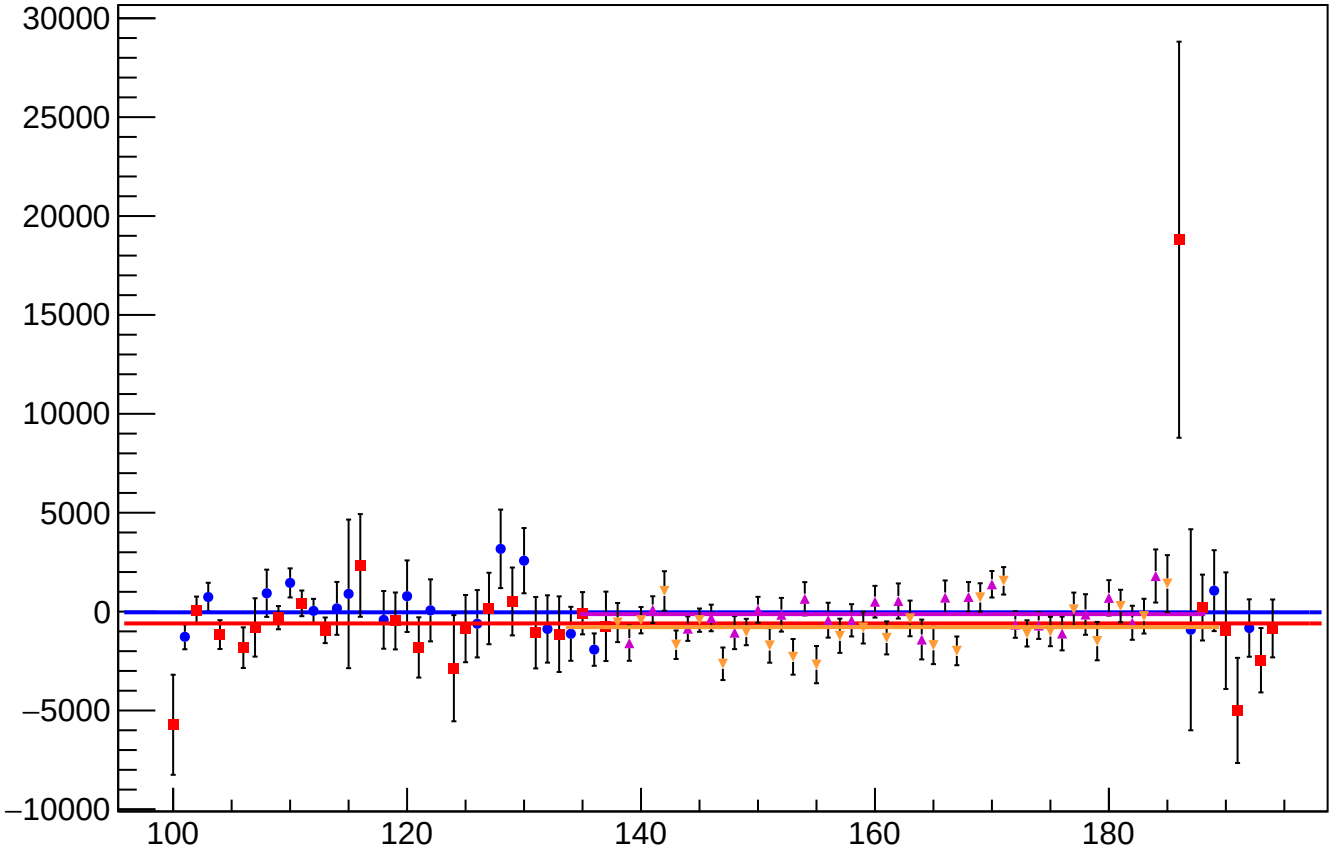
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 105.723+/-0.015 χ^2/NDF: 3240526.2/43

All: 105.211+/-0.010 χ^2/NDF: 7516164.3/91

- sign 104.719+/-0.014 χ^2/NDF: 4273231.3/47

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: -597.954+/-231.523 χ^2/NDF: 21.8/24

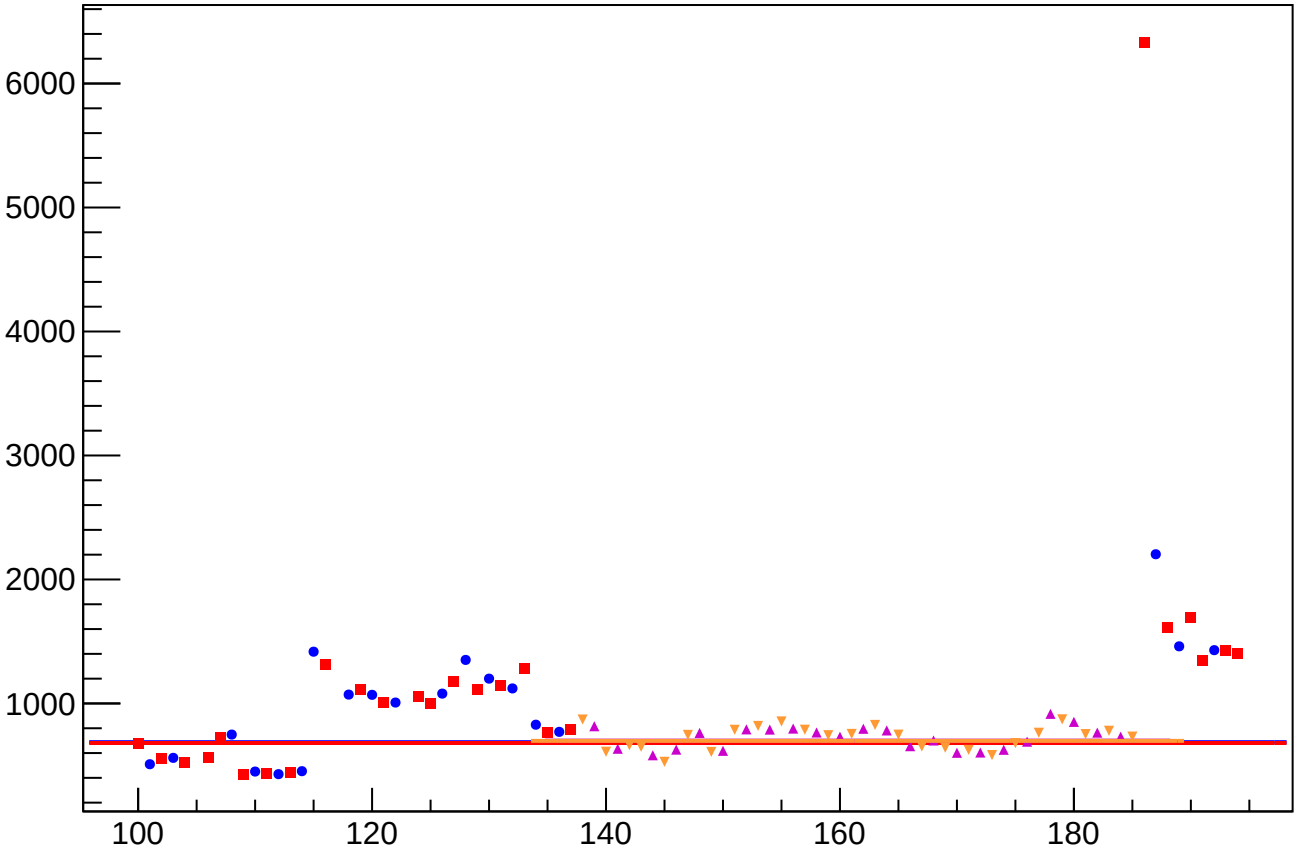
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -569.640+/-135.529 χ^2/NDF: 73.8/43

All: -427.108+/-95.470 χ^2/NDF: 123.2/91

- sign -286.721+/-134.506 χ^2/NDF: 47.2/47

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: 681.162+/-0.164 χ^2/NDF: 4777436.9/24

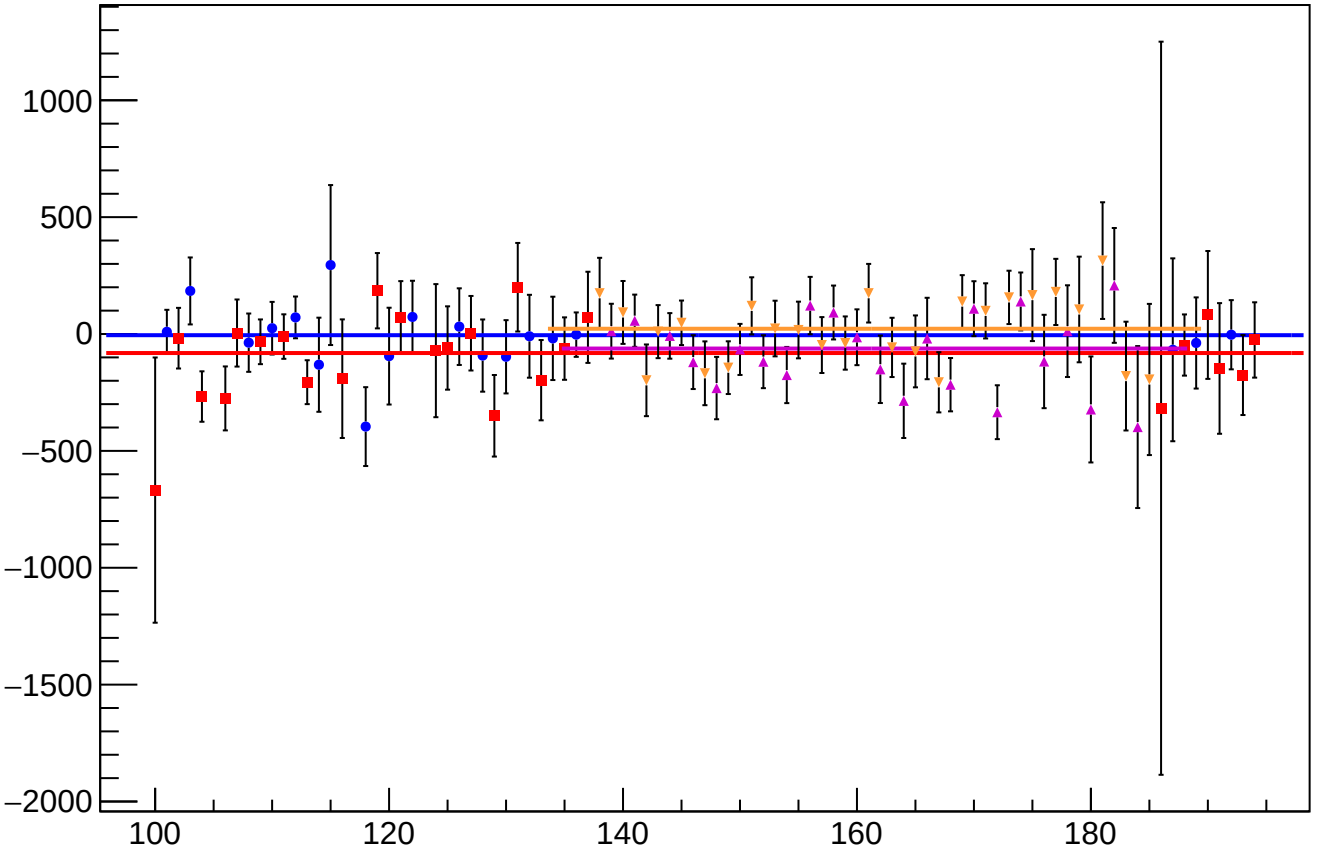
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 695.222+/-0.096 χ^2/NDF: 3639150.1/43

All: 694.452+/-0.068 χ^2/NDF: 9009879.6/91

- sign 693.694+/-0.095 χ^2/NDF: 5370601.4/47

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: -81.357+/-30.197 χ^2/NDF: 20.0/24

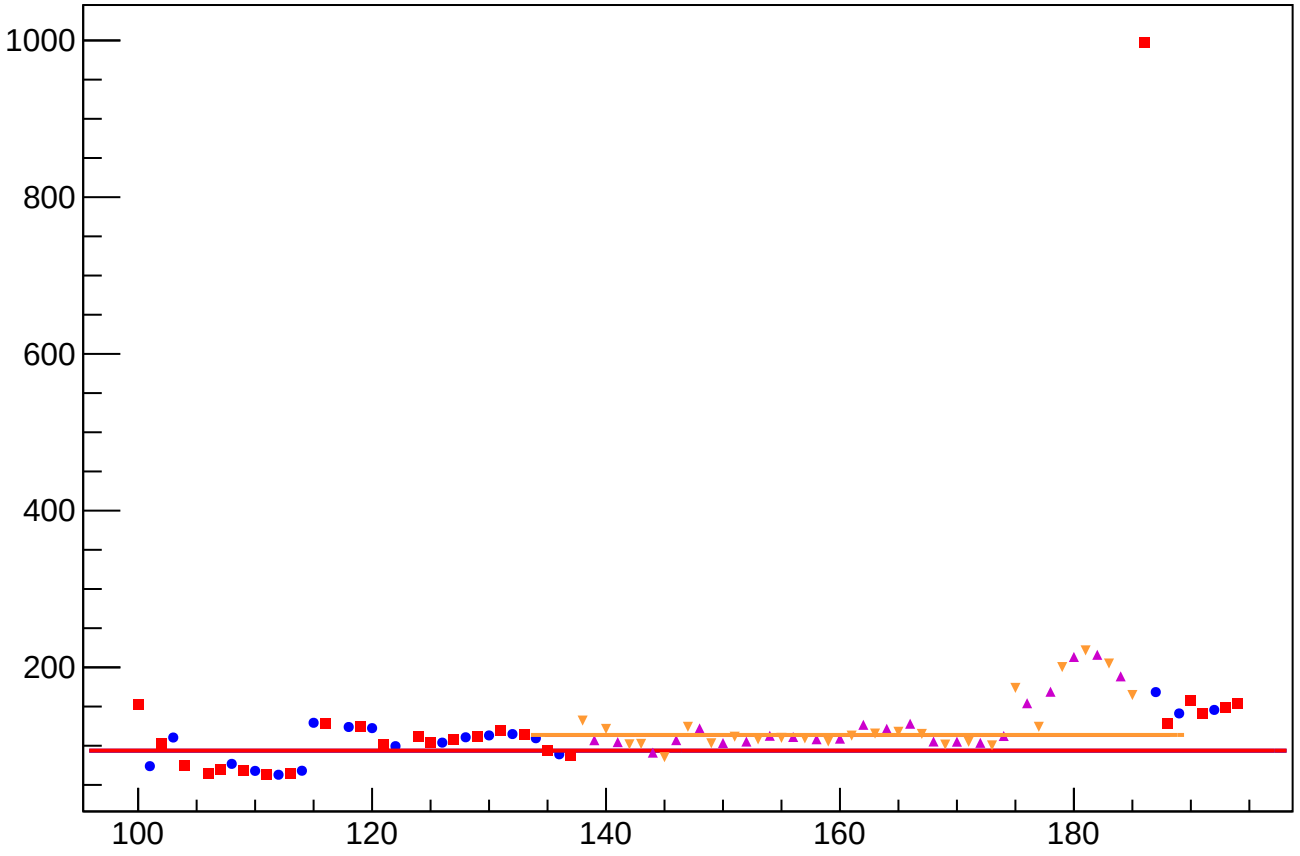
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 11.538+/-20.652 χ^2/NDF: 32.4/43

All: -30.413+/-14.465 χ^2/NDF: 88.1/91

- sign -70.812+/-20.267 χ^2/NDF: 47.5/47

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

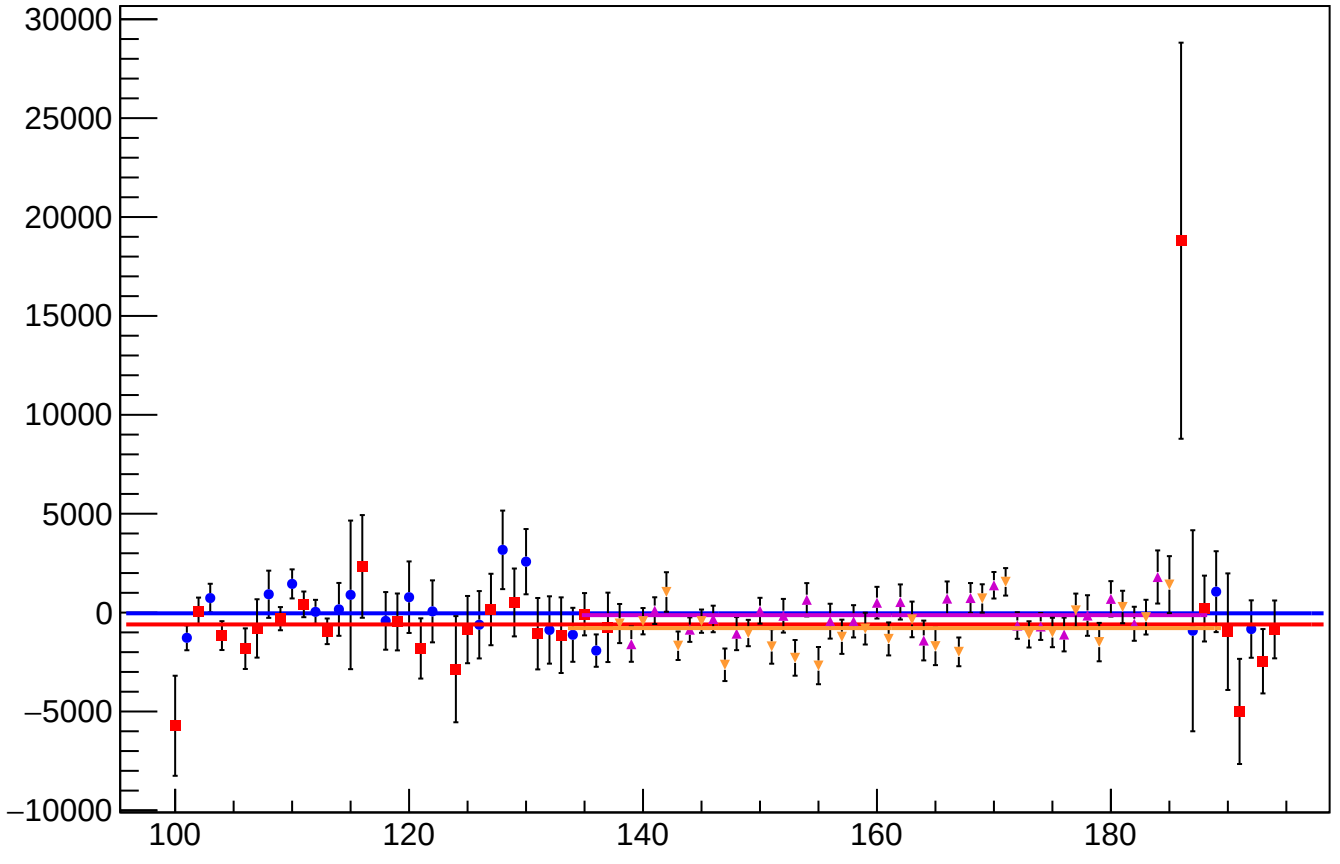
Right Out: 93.791+/-0.021 χ^2/NDF: 2480521.2/24

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 105.723+/-0.015 χ^2/NDF: 3240519.8/43

All: 105.212+/-0.010 χ^2/NDF: 7516146.2/91

- sign 104.719+/-0.014 χ^2/NDF: 4273219.6/47



Right In: -35.853+/-253.074 χ^2/NDF: 22.2/18

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: -597.953+/-231.522 χ^2/NDF: 21.8/24

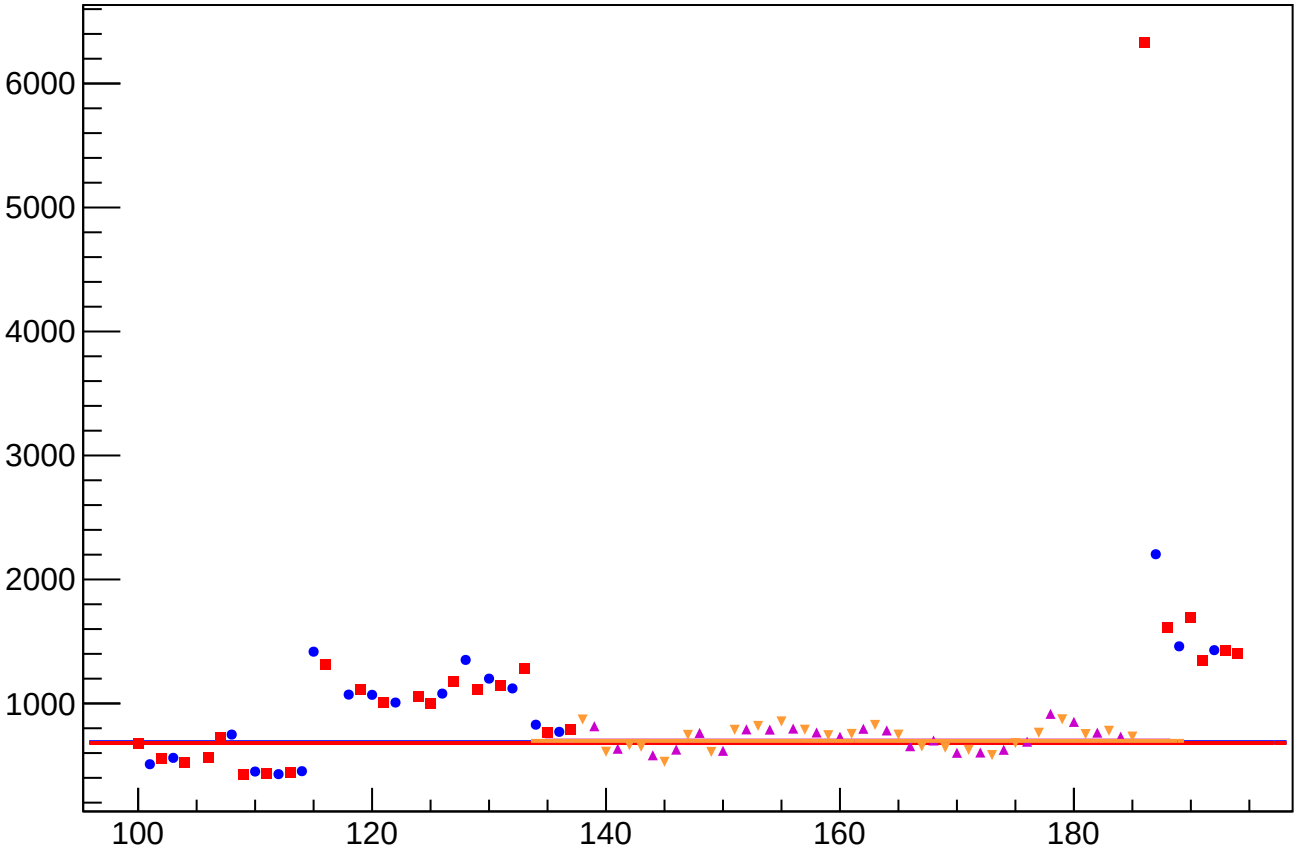
Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -569.639+/-135.529 χ^2/NDF: 73.8/43

All: -427.107+/-95.470 χ^2/NDF: 123.2/91

- sign -286.720+/-134.506 χ^2/NDF: 47.2/47

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 687.724+/-0.179 χ^2/NDF: 2922004.4/18

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 681.161+/-0.164 χ^2/NDF: 4777434.5/24

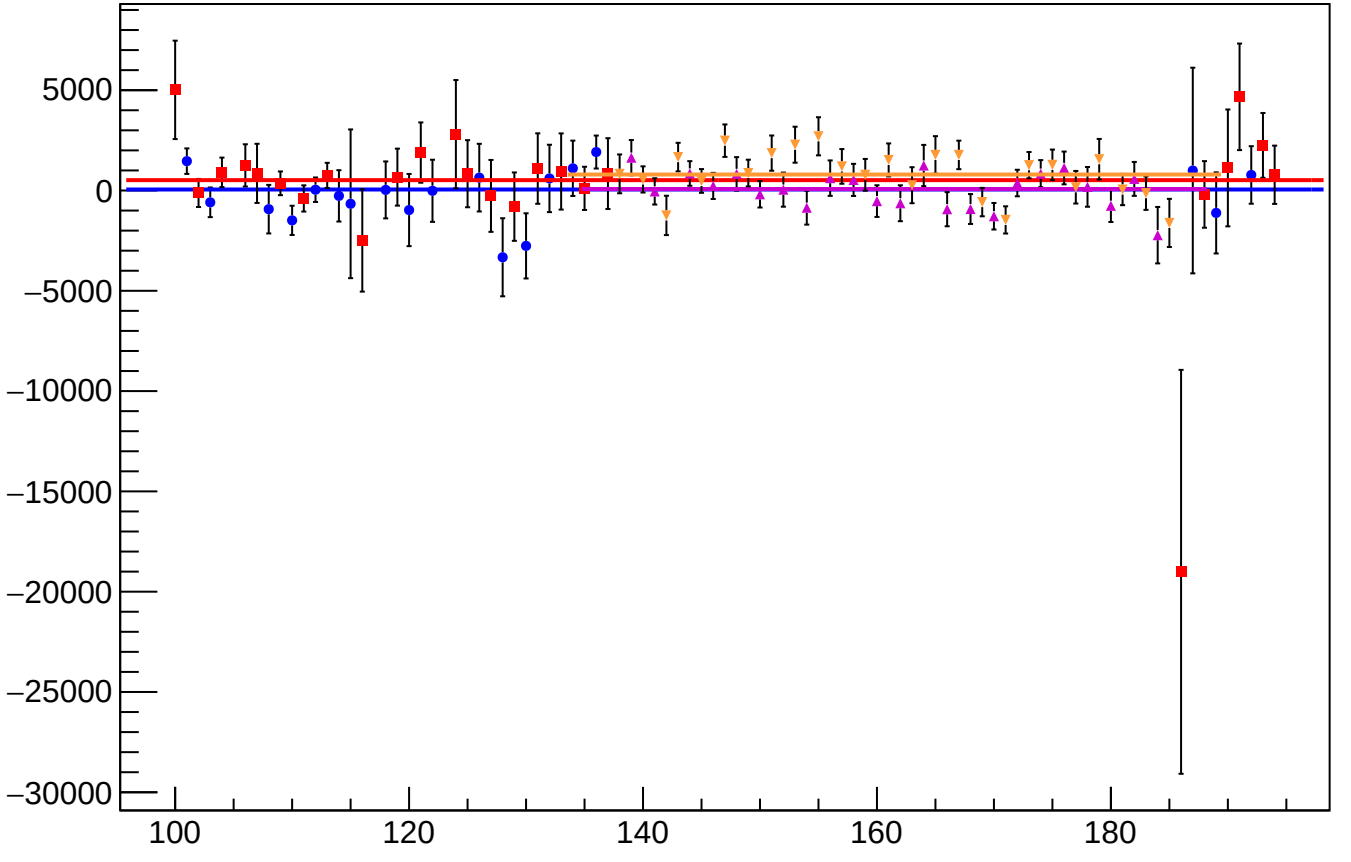
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 695.221+/-0.096 χ^2/NDF: 3639150.7/43

All: 694.452+/-0.068 χ^2/NDF: 9009873.3/91

- sign 693.694+/-0.095 χ^2/NDF: 5370594.5/47

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: 516.313+/-231.311 χ^2/NDF: 18.9/24

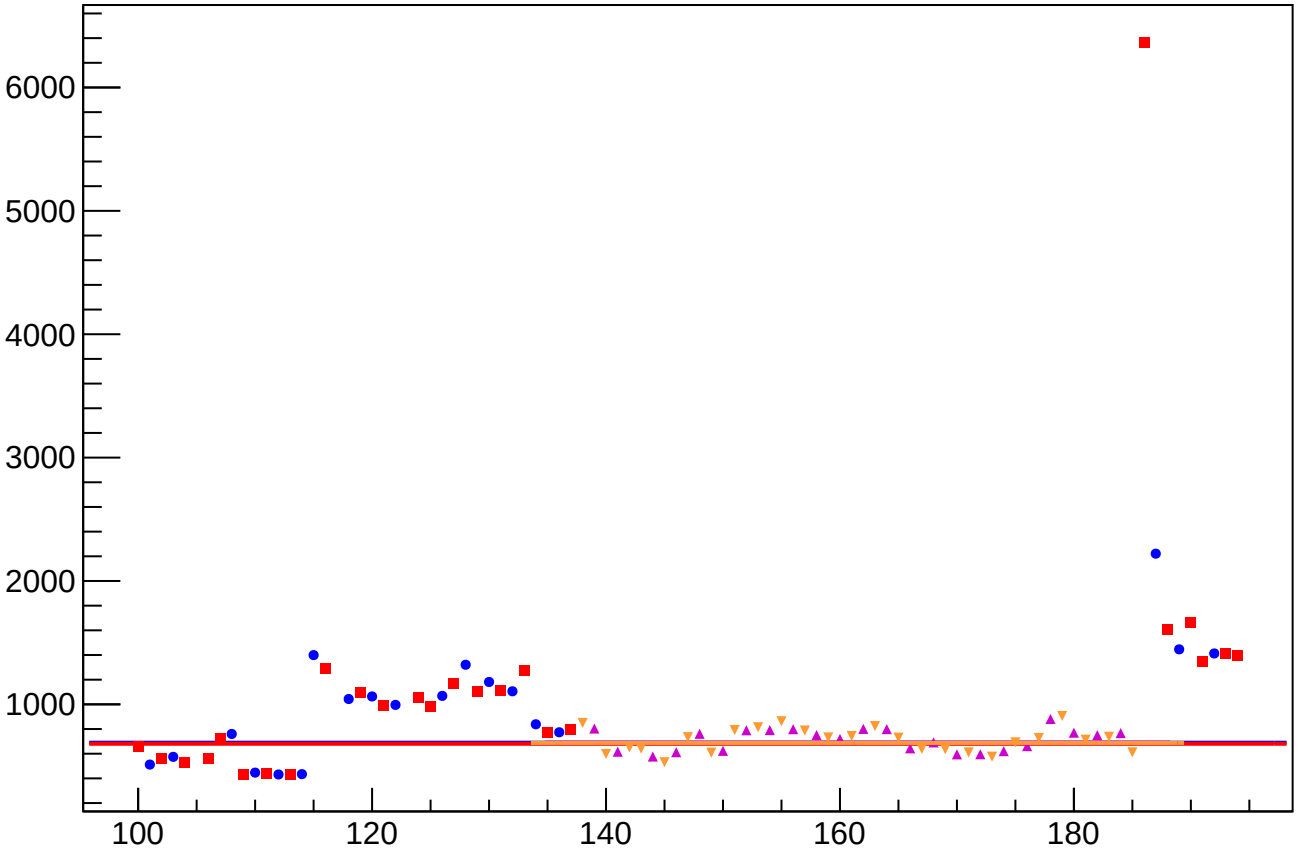
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 587.464+/-134.146 χ^2/NDF: 76.5/43

All: 402.541+/-94.510 χ^2/NDF: 126.5/91

- sign 220.283+/-133.175 χ^2/NDF: 46.3/47

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

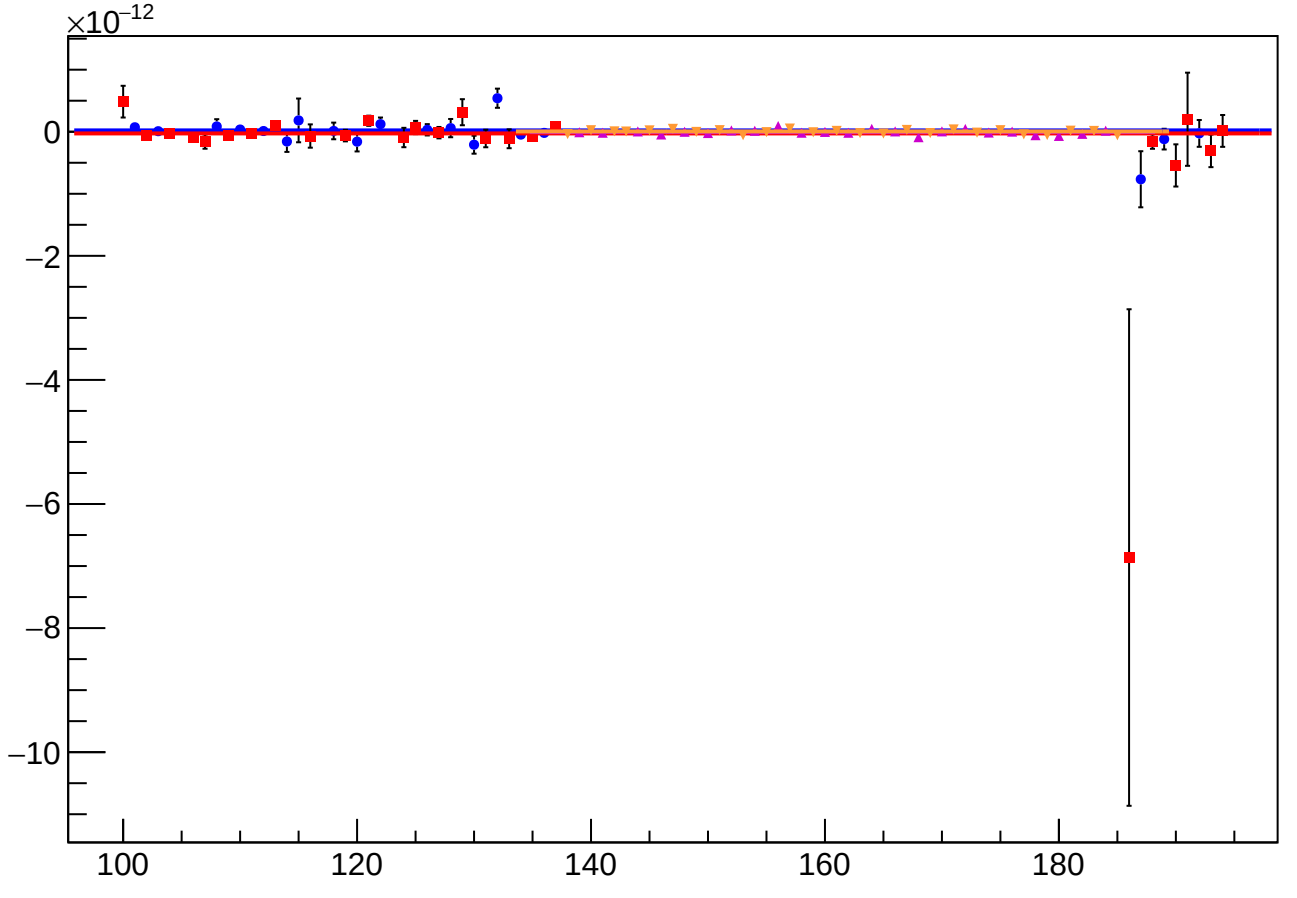
Right Out: 680.558+/-0.164 χ^2/NDF: 4726884.1/24

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 687.807+/-0.095 χ^2/NDF: 3589163.4/43

All: 687.334+/-0.067 χ^2/NDF: 8885412.4/91

- sign 686.868+/-0.094 χ^2/NDF: 5296199.7/47



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: 33.5/24

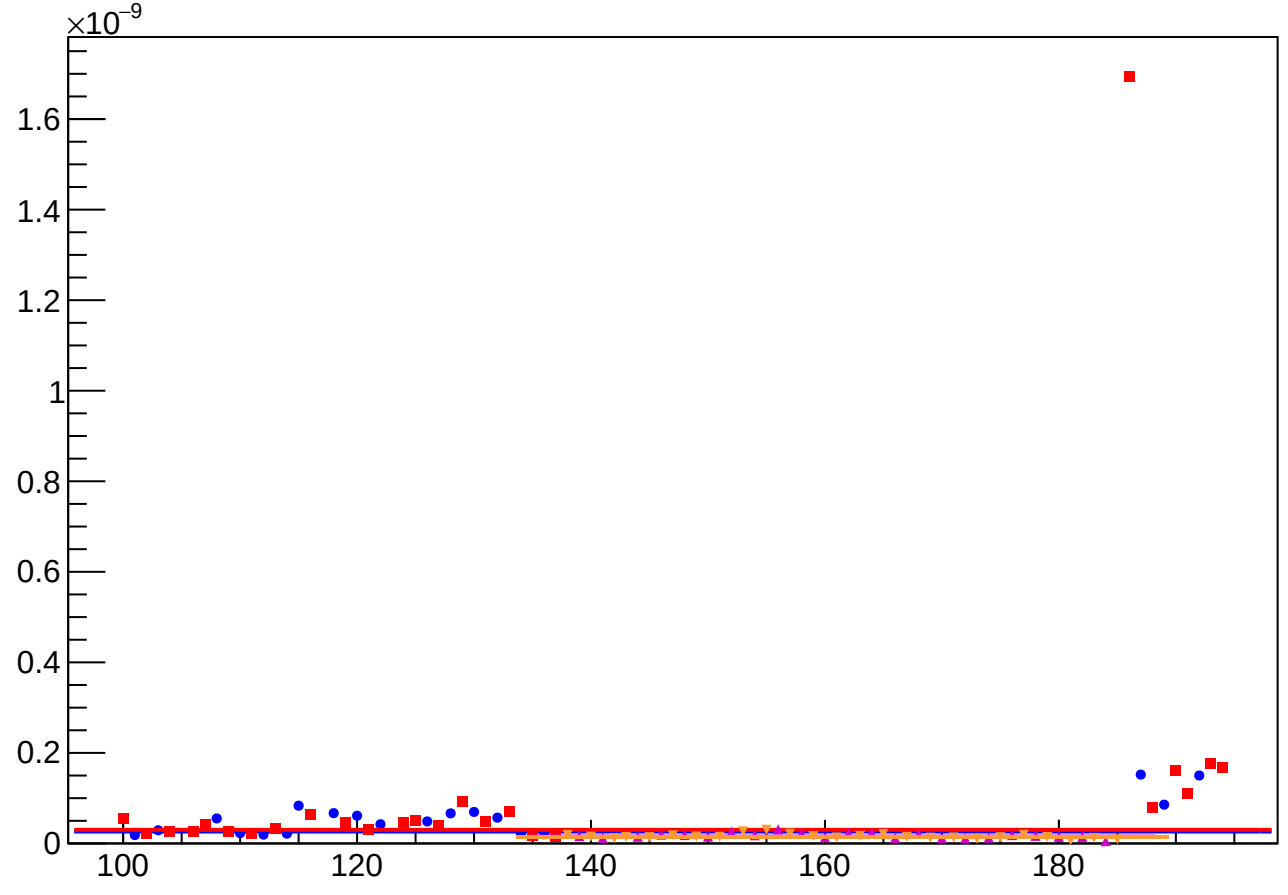
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.5/43

All: -0.000+/-0.000 χ^2/NDF: 116.0/91

- sign -0.000+/-0.000 χ^2/NDF: 61.5/47

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: 3253965.3/24

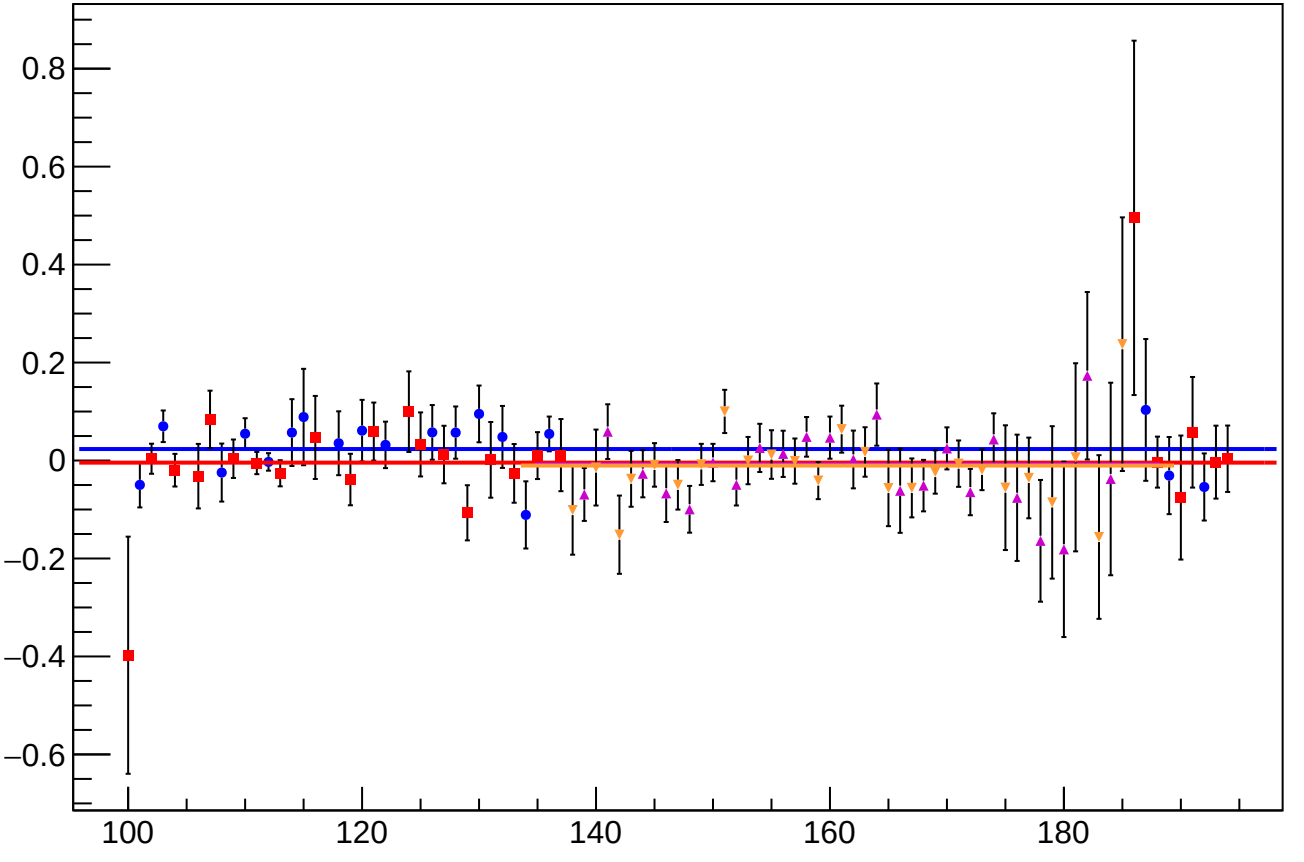
Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4519675.1/43

All: 0.000+/-0.000 χ^2/NDF: 10430477.7/91

- sign 0.000+/-0.000 χ^2/NDF: 5857426.6/47

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/18

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.004+/-0.010 χ^2/NDF: 16.2/24

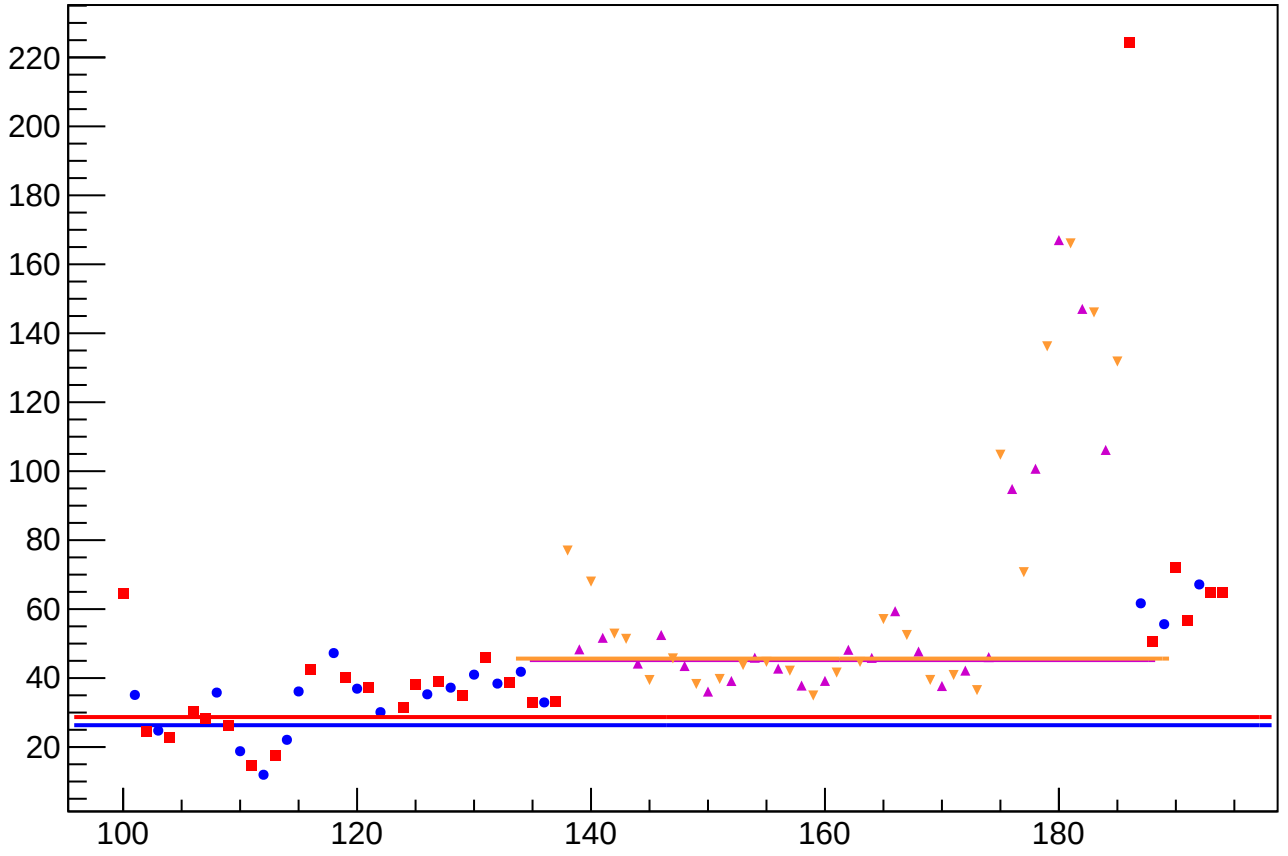
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.008+/-0.008 χ^2/NDF: 41.6/43

All: 0.001+/-0.005 χ^2/NDF: 82.9/91

- sign -0.006+/-0.007 χ^2/NDF: 39.5/47

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

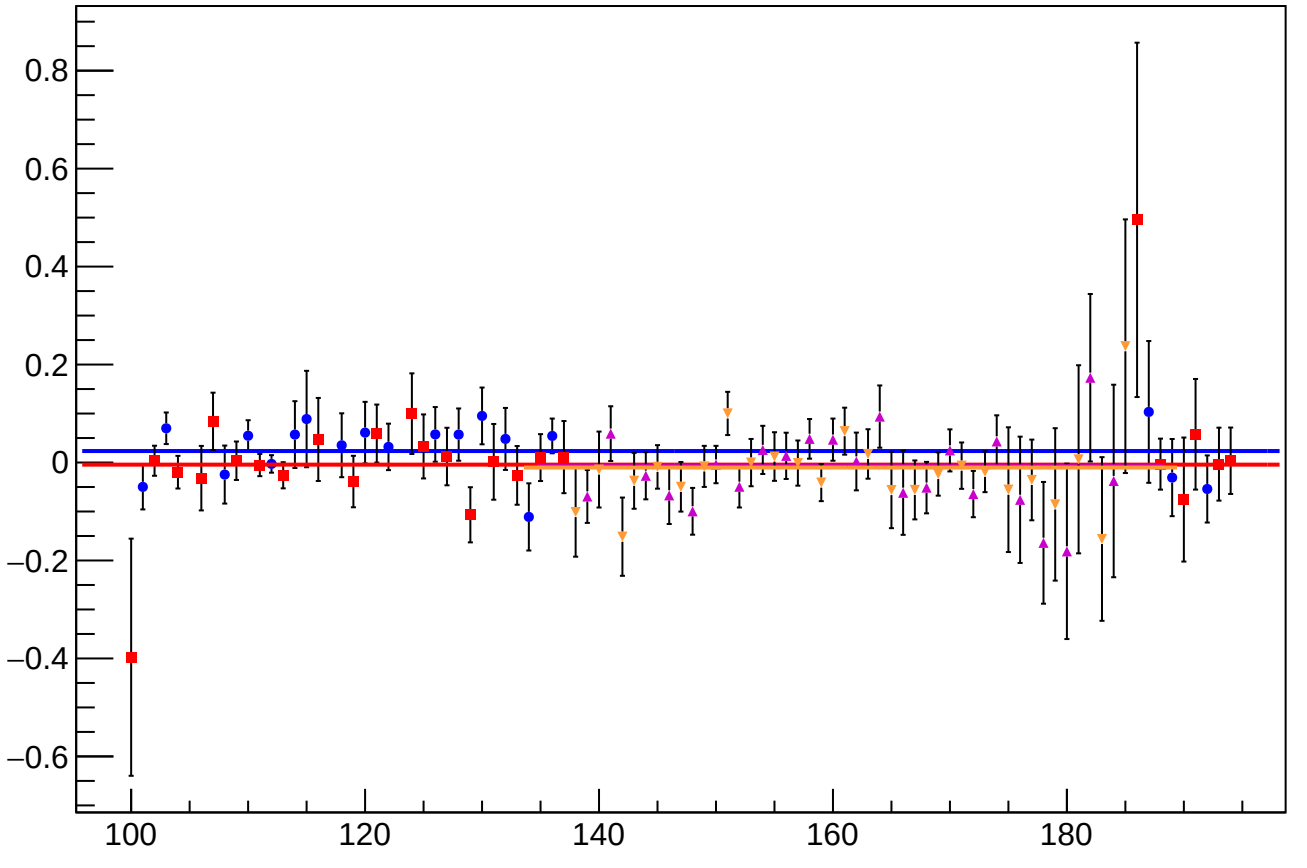
Right Out: 28.694+/-0.007 χ^2/NDF: 4127230.4/24

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 34.961+/-0.005 χ^2/NDF: 10713909.5/43

All: 35.367+/-0.004 χ^2/NDF: 20241655.2/91

- sign 35.766+/-0.005 χ^2/NDF: 9516225.6/47



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/18

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.004+/-0.010 χ^2/NDF: 16.2/24

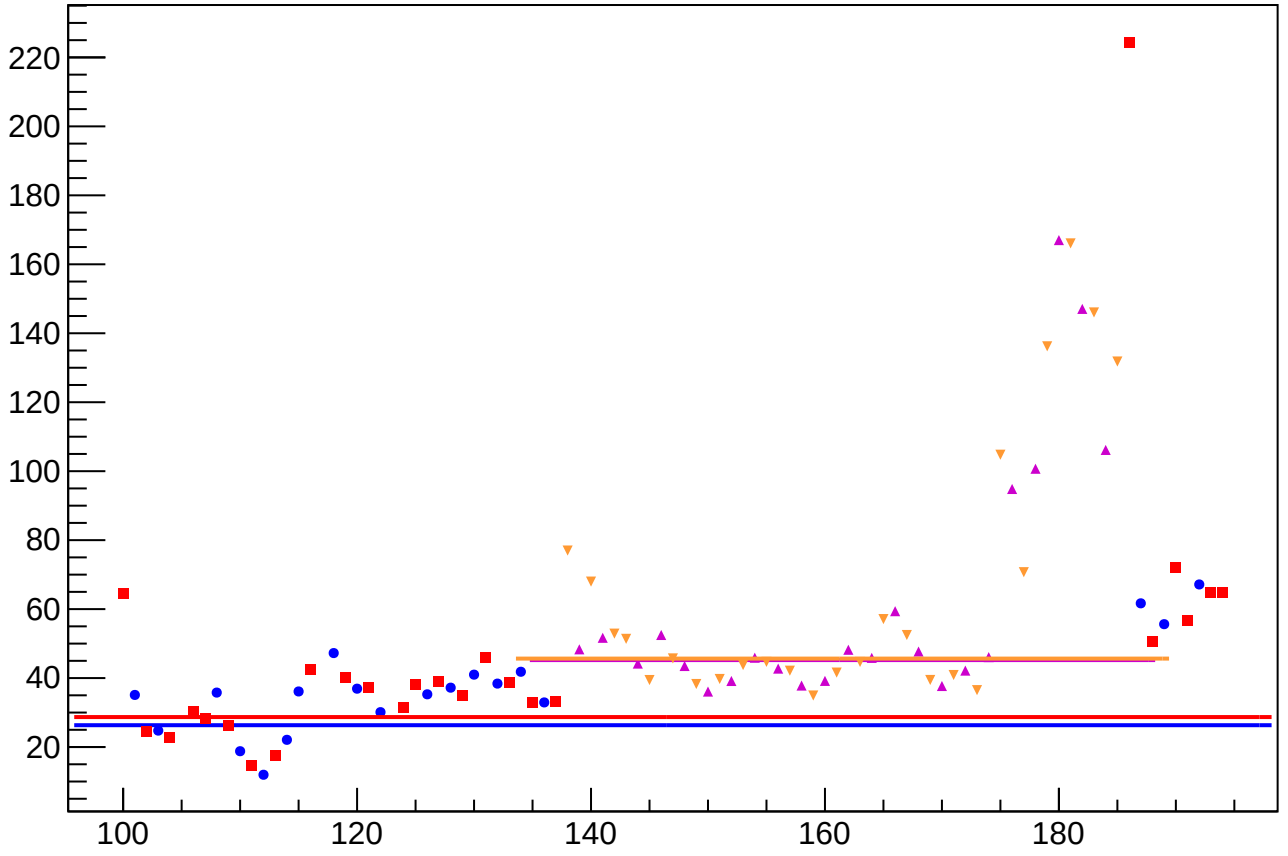
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.008+/-0.008 χ^2/NDF: 41.6/43

All: 0.001+/-0.005 χ^2/NDF: 82.9/91

- sign -0.006+/-0.007 χ^2/NDF: 39.5/47

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

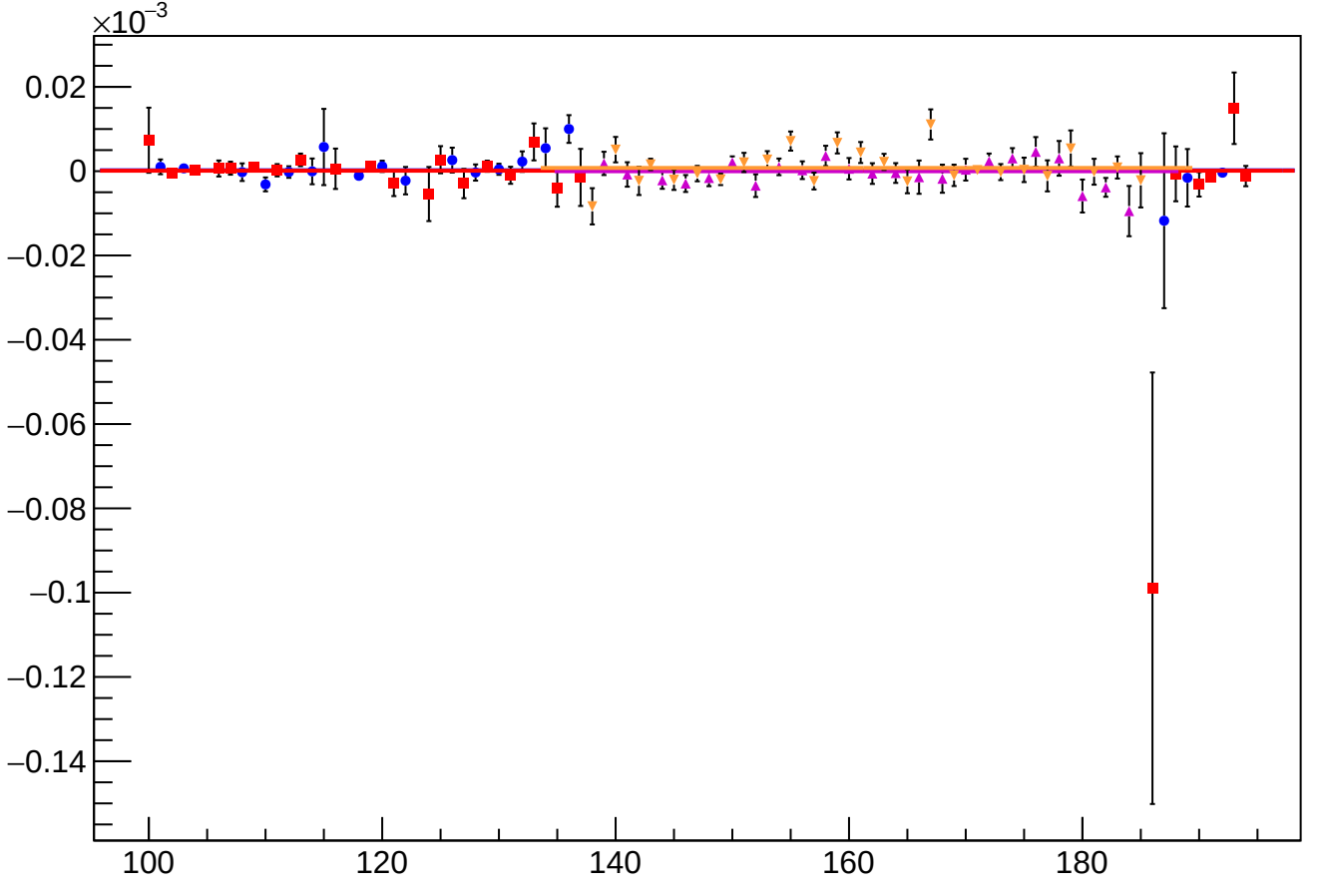
Right Out: 28.694+/-0.007 χ^2/NDF: 4127230.4/24

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 34.961+/-0.005 χ^2/NDF: 10713909.5/43

All: 35.367+/-0.004 χ^2/NDF: 20241655.2/91

- sign 35.766+/-0.005 χ^2/NDF: 9516225.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/24

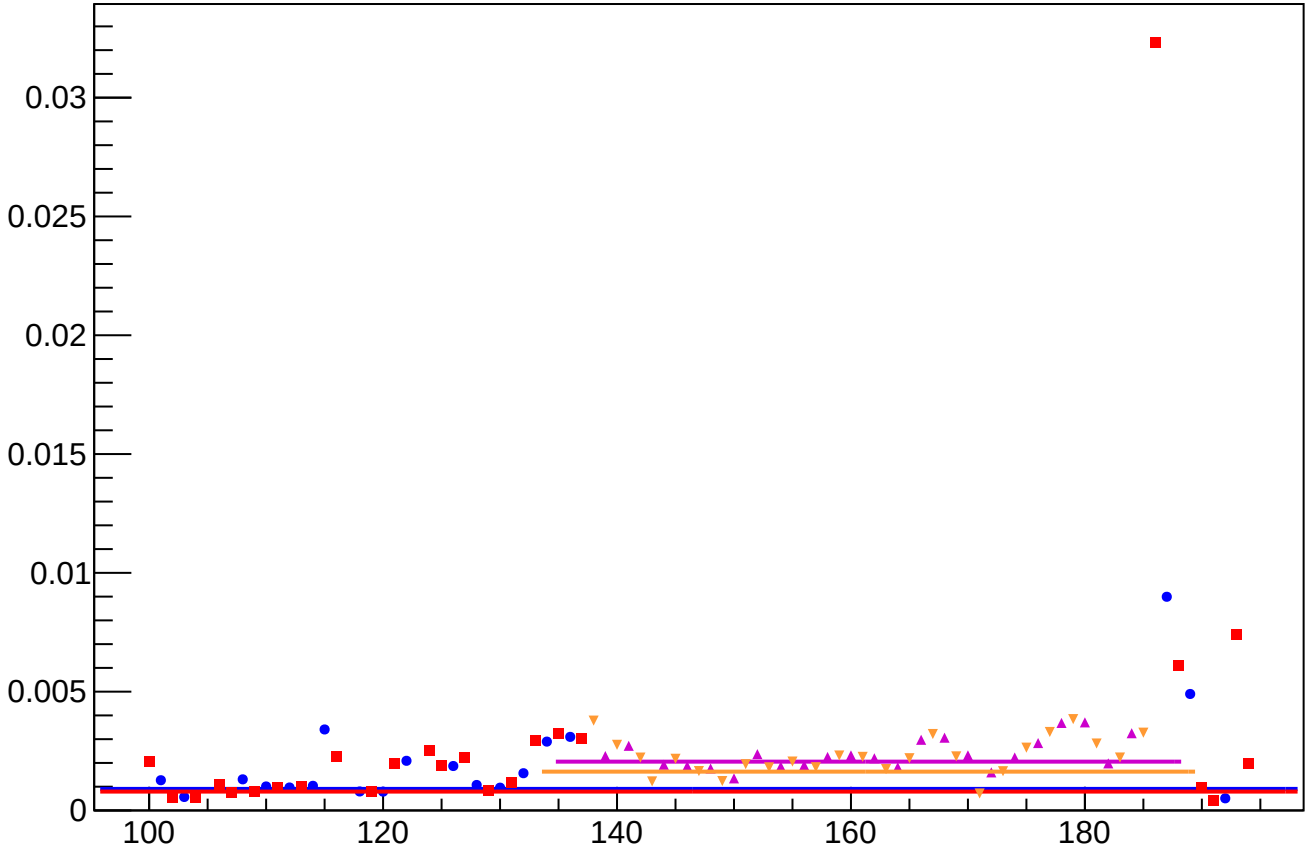
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.2/43

All: 0.000+/-0.000 χ^2/NDF: 118.0/91

- sign 0.000+/-0.000 χ^2/NDF: 49.8/47

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3937745.5/18

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

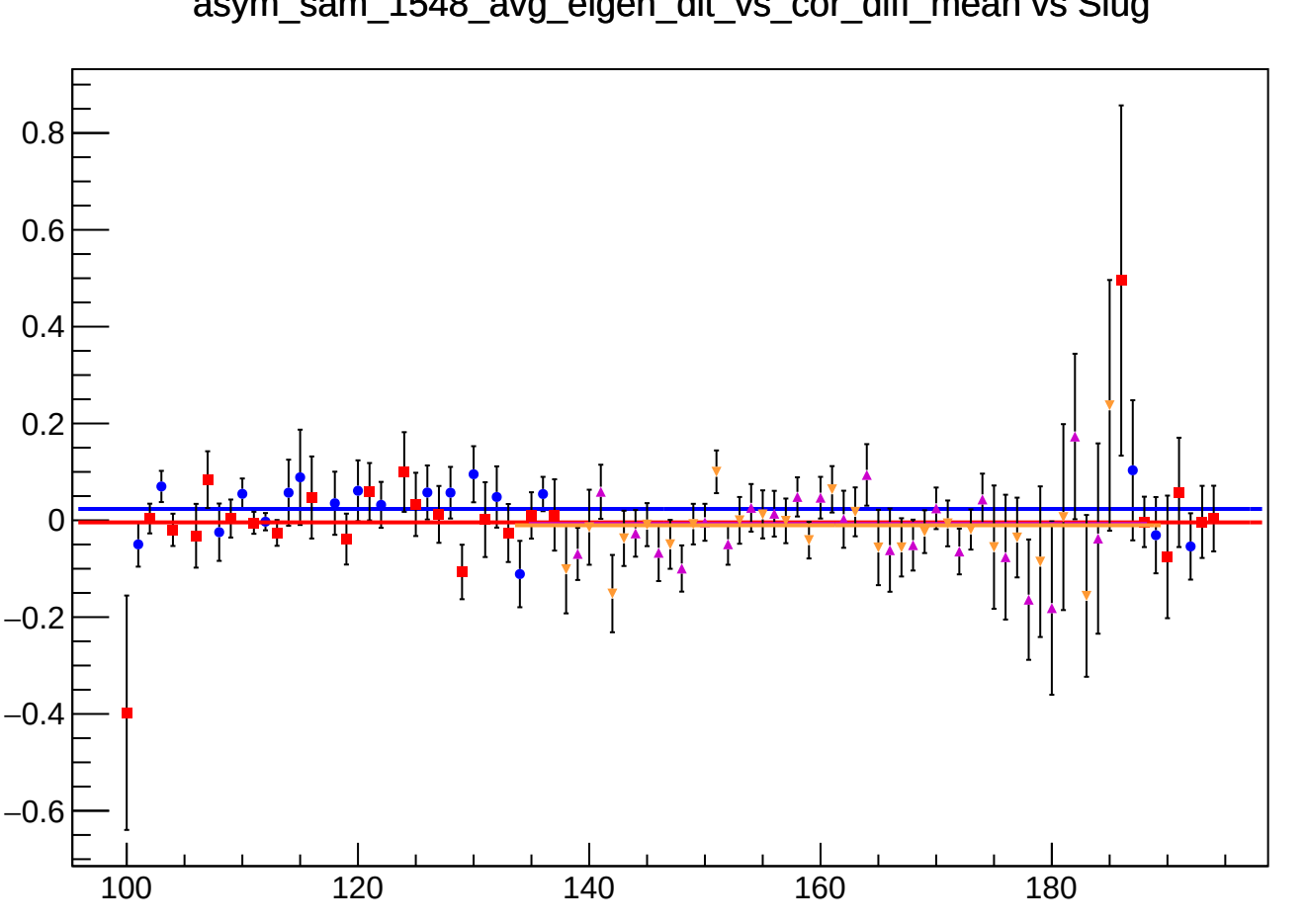
Right Out: 0.001+/-0.000 χ^2/NDF: 7535157.9/24

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 13833538.2/43

All: 0.001+/-0.000 χ^2/NDF: 32771115.9/91

- sign 0.001+/-0.000 χ^2/NDF: 18808422.8/47



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/18

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.004+/-0.010 χ^2/NDF: 16.2/24

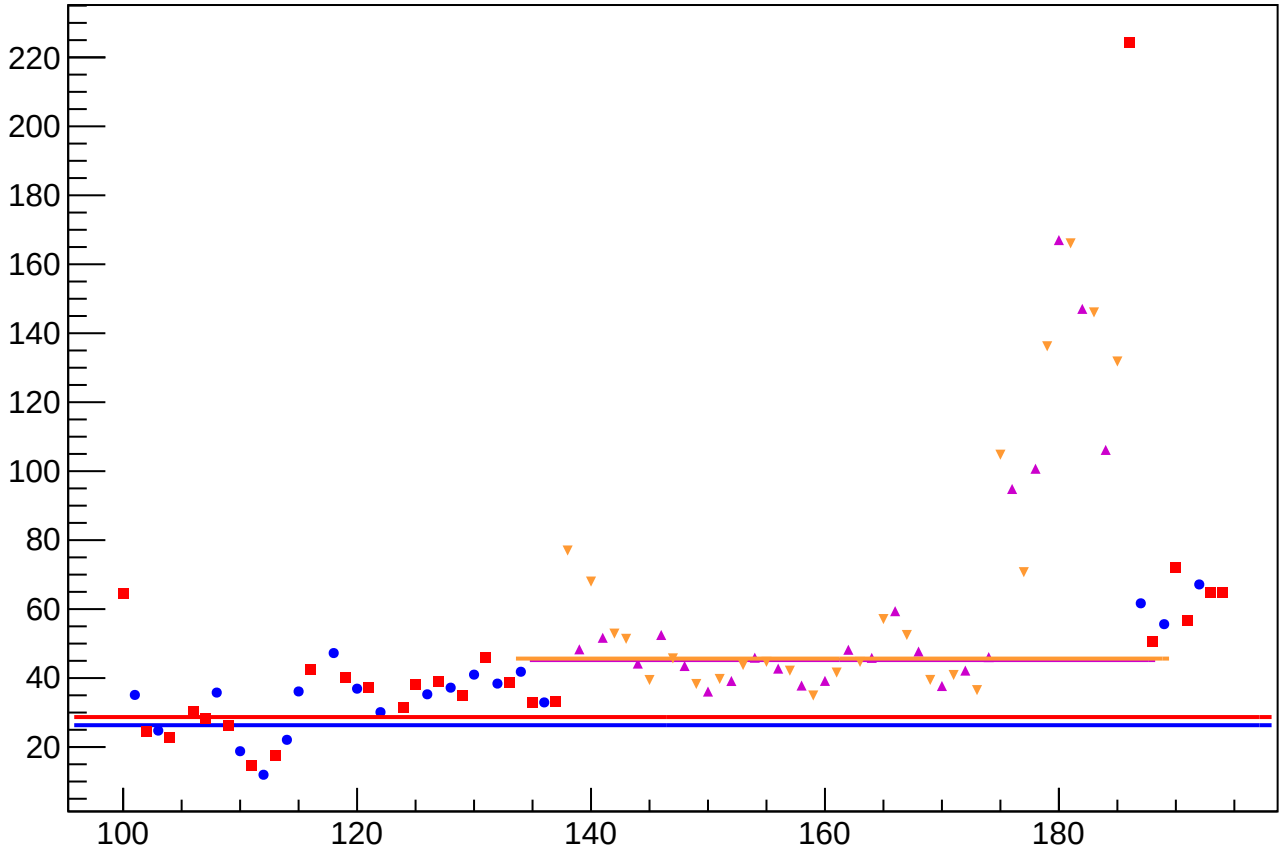
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.008+/-0.008 χ^2/NDF: 41.6/43

All: 0.001+/-0.005 χ^2/NDF: 82.9/91

- sign -0.006+/-0.007 χ^2/NDF: 39.5/47

asym_sam_1548_avg_eigen_dit_vs_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

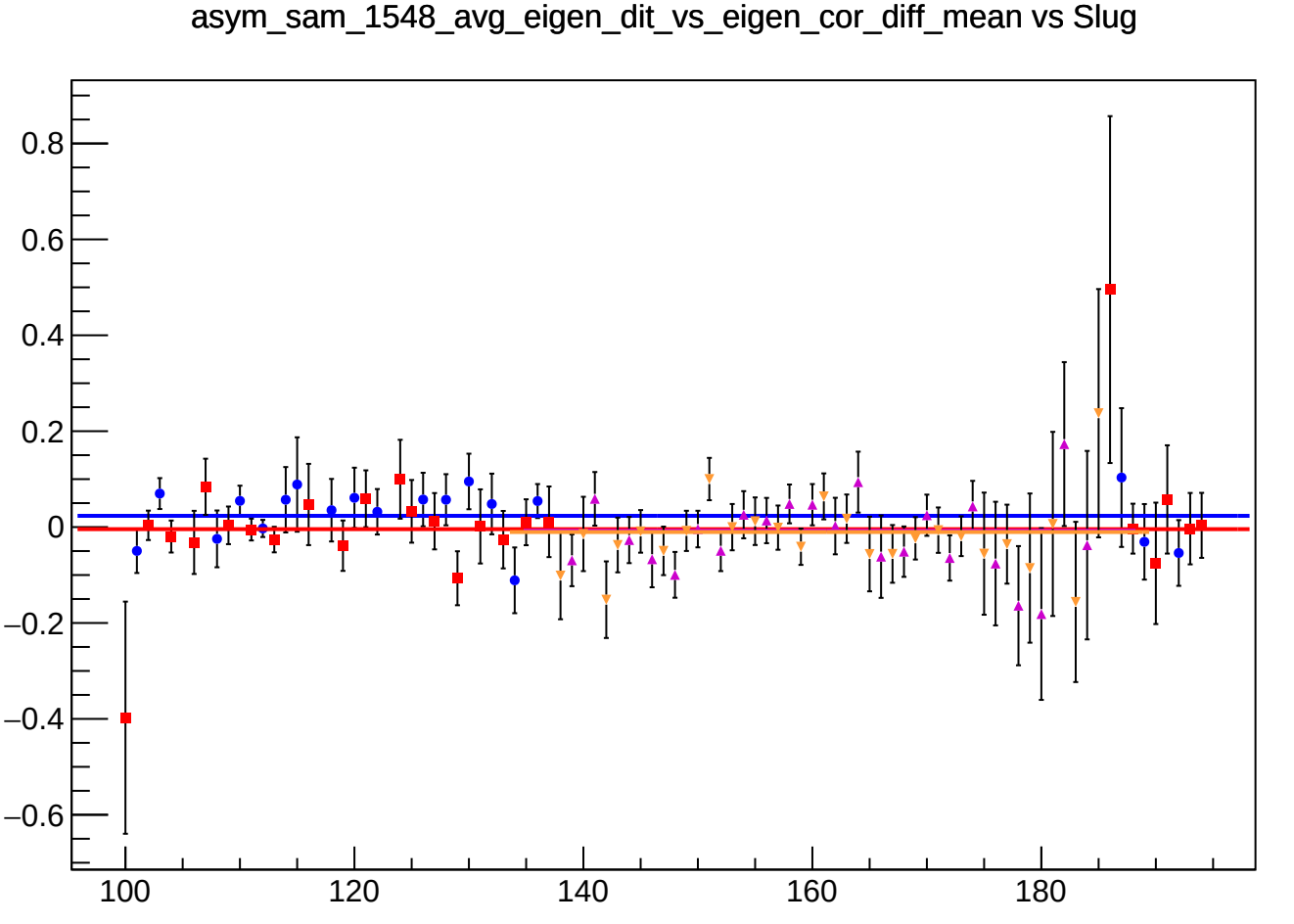
Right Out: 28.694+/-0.007 χ^2/NDF: 4127413.0/24

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.961+/-0.005 χ^2/NDF: 10714369.7/43

All: 35.367+/-0.004 χ^2/NDF: 20242464.0/91

- sign 35.766+/-0.005 χ^2/NDF: 9516569.7/47



Right In: 0.023+/-0.010 χ^2/NDF: 18.6/18

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

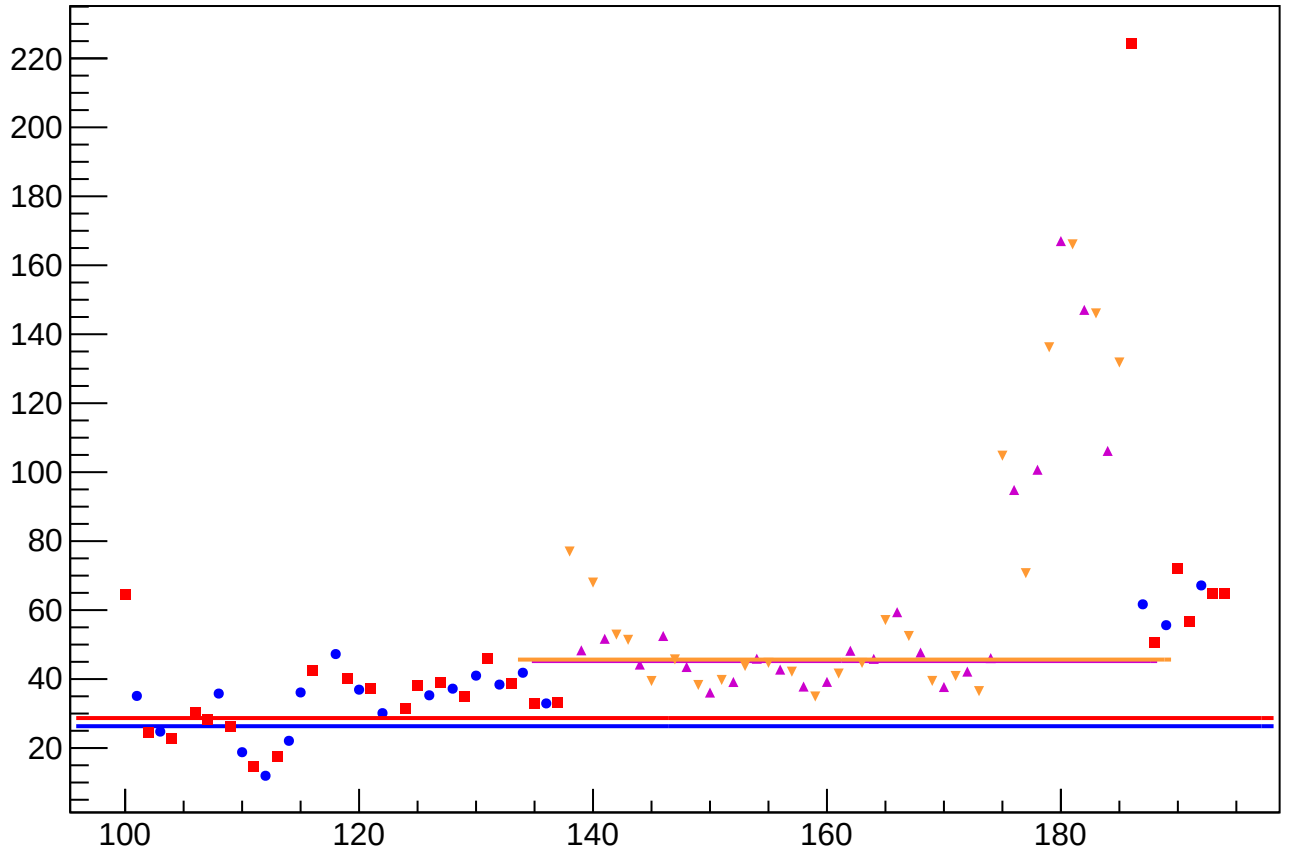
Right Out: -0.004+/-0.010 χ^2/NDF: 16.2/24

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.008+/-0.008 χ^2/NDF: 41.6/43

All: 0.001+/-0.005 χ^2/NDF: 82.9/91

- sign -0.006+/-0.007 χ^2/NDF: 39.5/47



Right In: 26.332+/-0.007 χ^2/NDF: 3450351.5/18

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

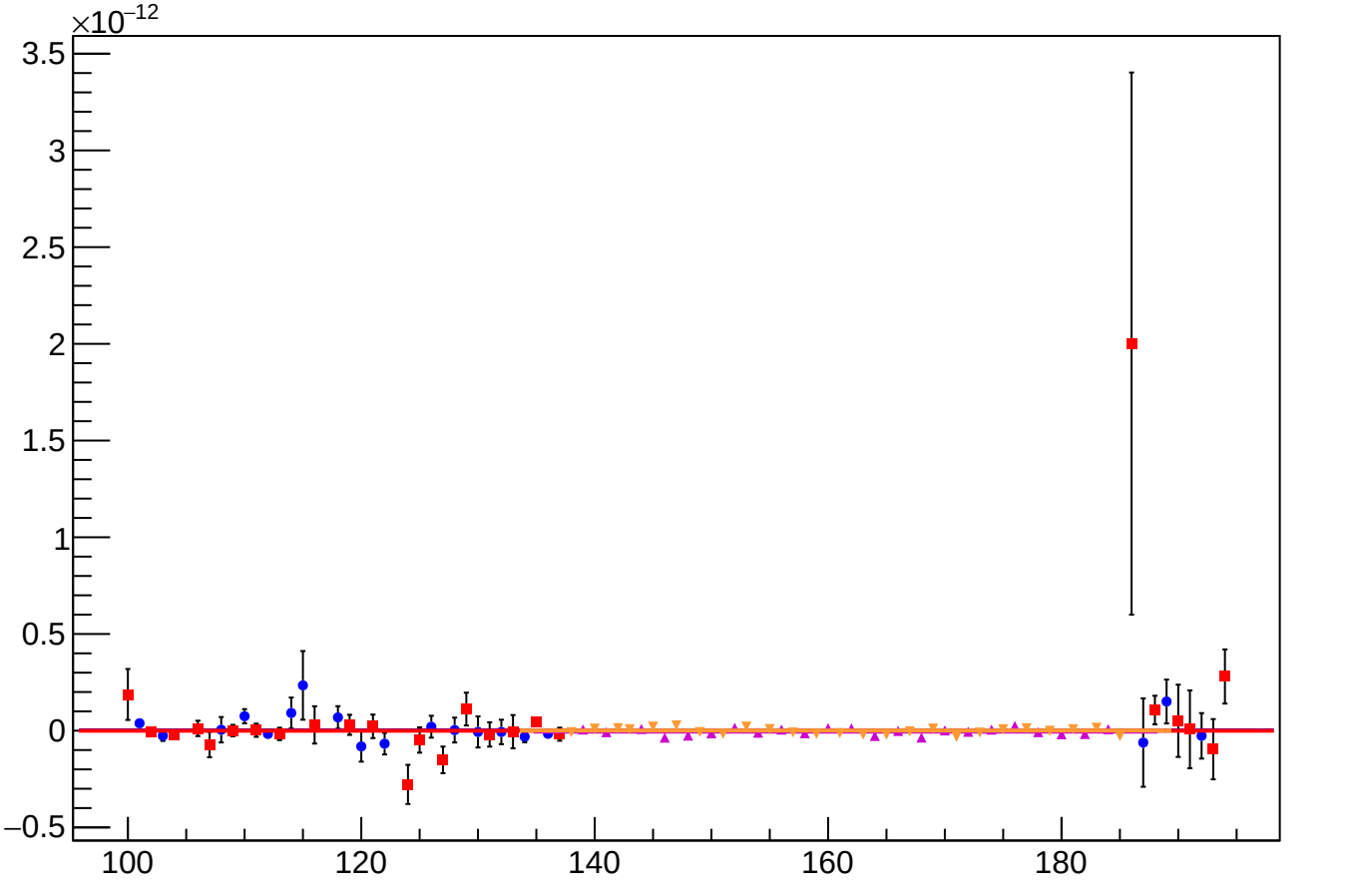
Right Out: 28.694+/-0.007 χ^2/NDF: 4127413.0/24

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.961+/-0.005 χ^2/NDF: 10714369.7/43

All: 35.367+/-0.004 χ^2/NDF: 20242464.0/91

- sign 35.766+/-0.005 χ^2/NDF: 9516569.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

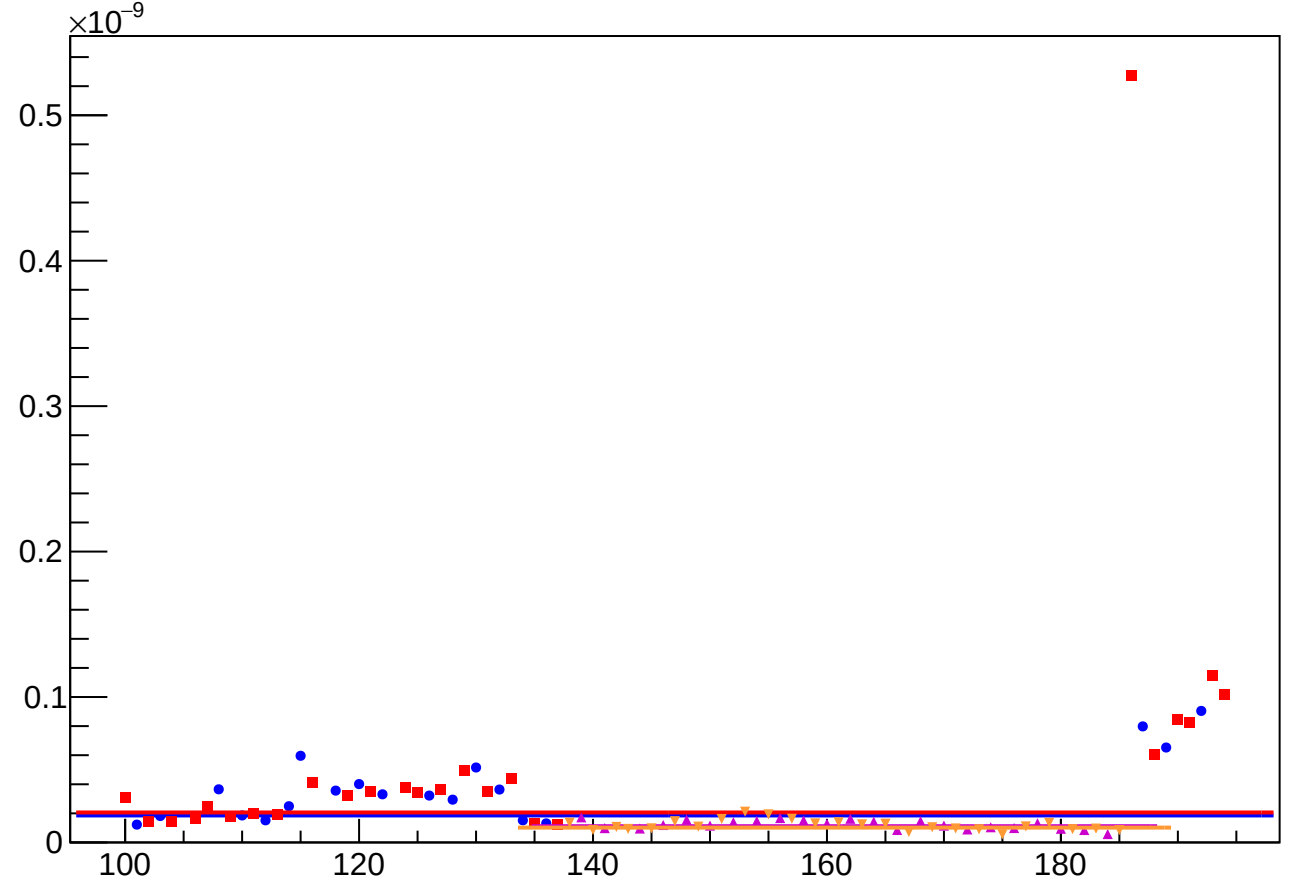
Right Out: -0.000+/-0.000 χ^2/NDF: 32.2/24

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.0/43

All: -0.000+/-0.000 χ^2/NDF: 103.7/91

- sign -0.000+/-0.000 χ^2/NDF: 56.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 3117184.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4350388.2/24

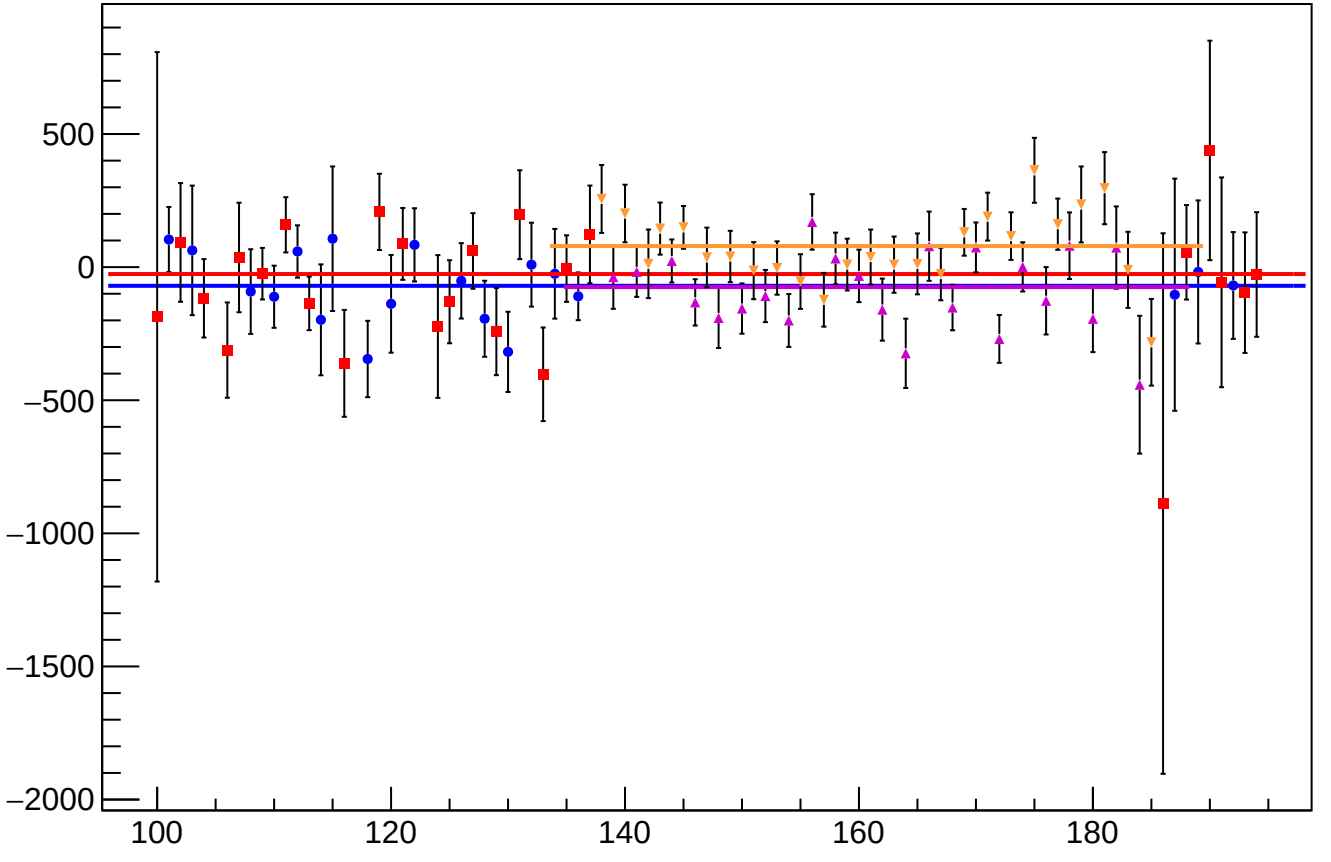
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7065346.3/43

All: 0.000+/-0.000 χ^2/NDF: 15070976.9/91

- sign 0.000+/-0.000 χ^2/NDF: 7846792.7/47

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: -26.011+/-32.692 χ^2/NDF: 26.3/24

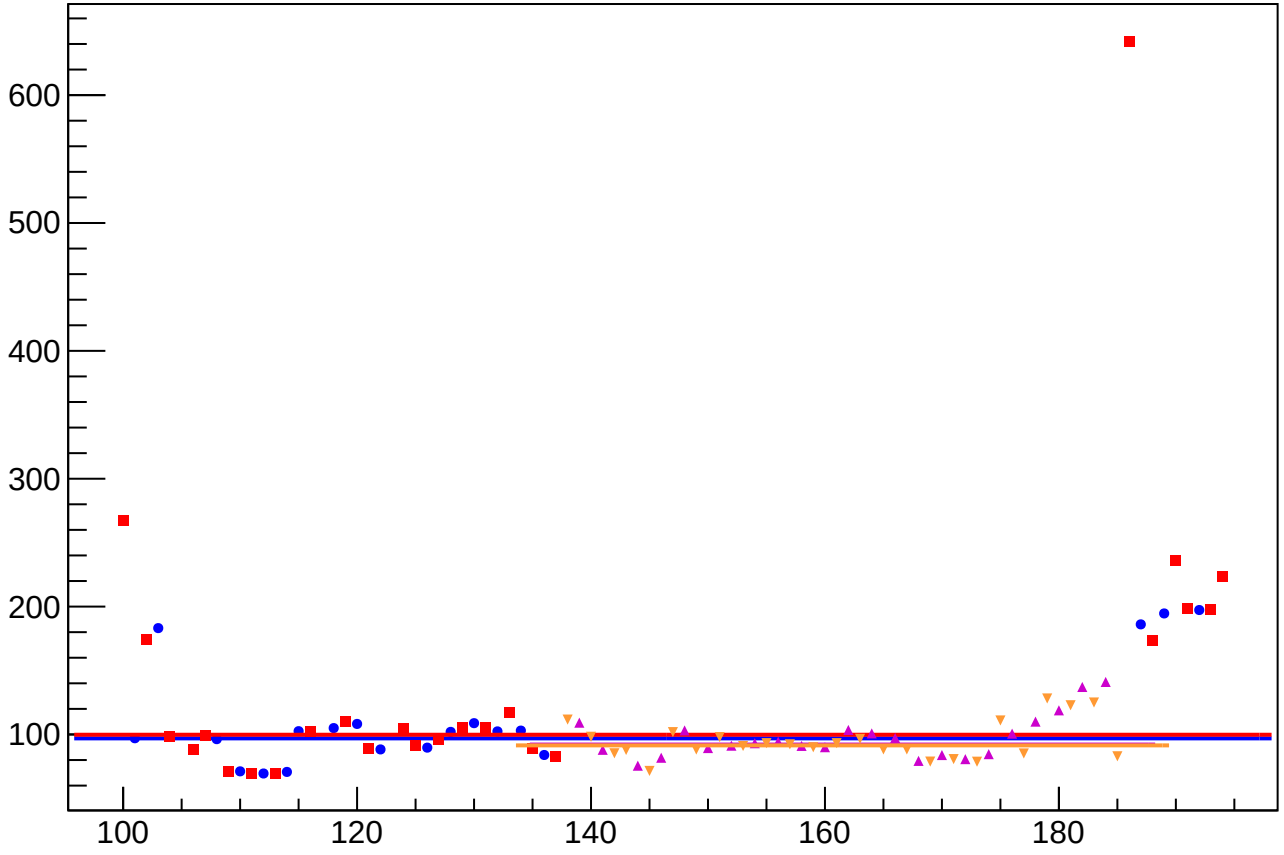
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 37.947+/-17.960 χ^2/NDF: 59.9/43

All: -10.447+/-12.769 χ^2/NDF: 135.1/91

- sign -59.920+/-18.159 χ^2/NDF: 60.5/47

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

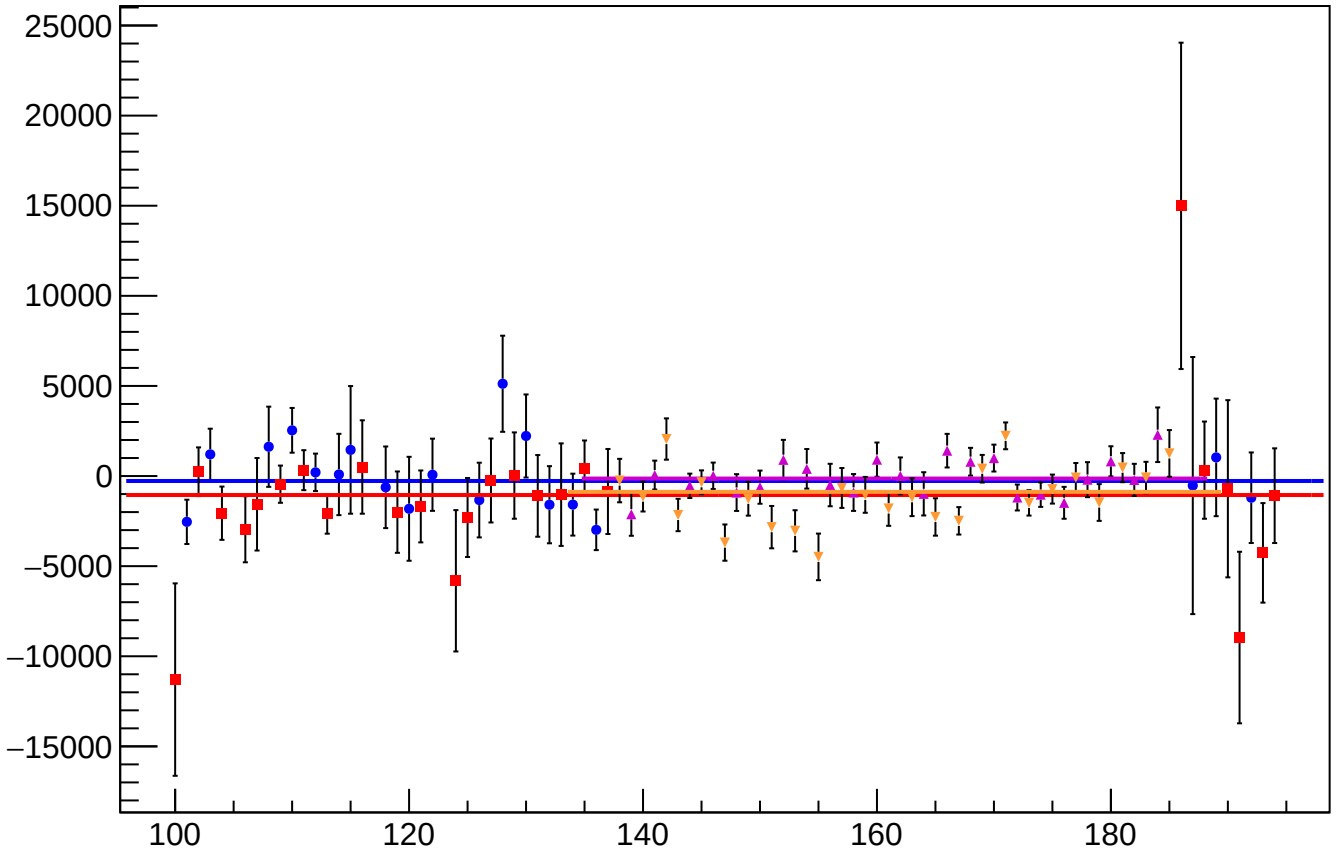
Right Out: 99.778+/-0.023 χ^2/NDF: 3103991.4/24

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 92.970+/-0.013 χ^2/NDF: 2264030.7/43

All: 93.711+/-0.009 χ^2/NDF: 6150778.9/91

- sign 94.469+/-0.013 χ^2/NDF: 3879858.9/47



Right In: -273.616+/-409.879 χ^2/NDF: 23.7/18

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1052.989+/-385.314 χ^2/NDF: 20.2/24

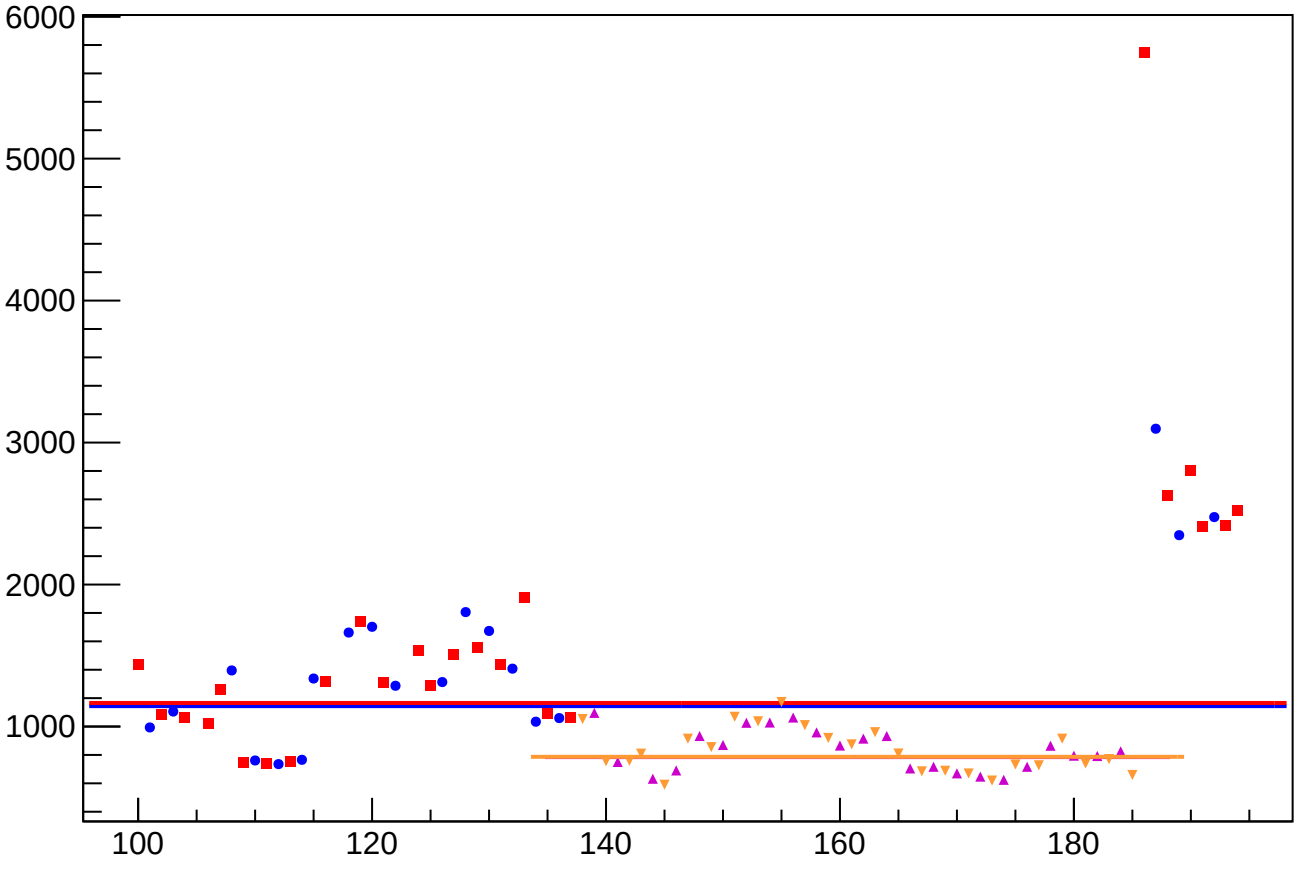
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -778.677+/-166.482 χ^2/NDF: 93.3/43

All: -547.534+/-118.227 χ^2/NDF: 146.1/91

- sign -312.373+/-167.923 χ^2/NDF: 49.0/47

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: 1165.905+/-0.272 χ^2/NDF: 3773780.9/24

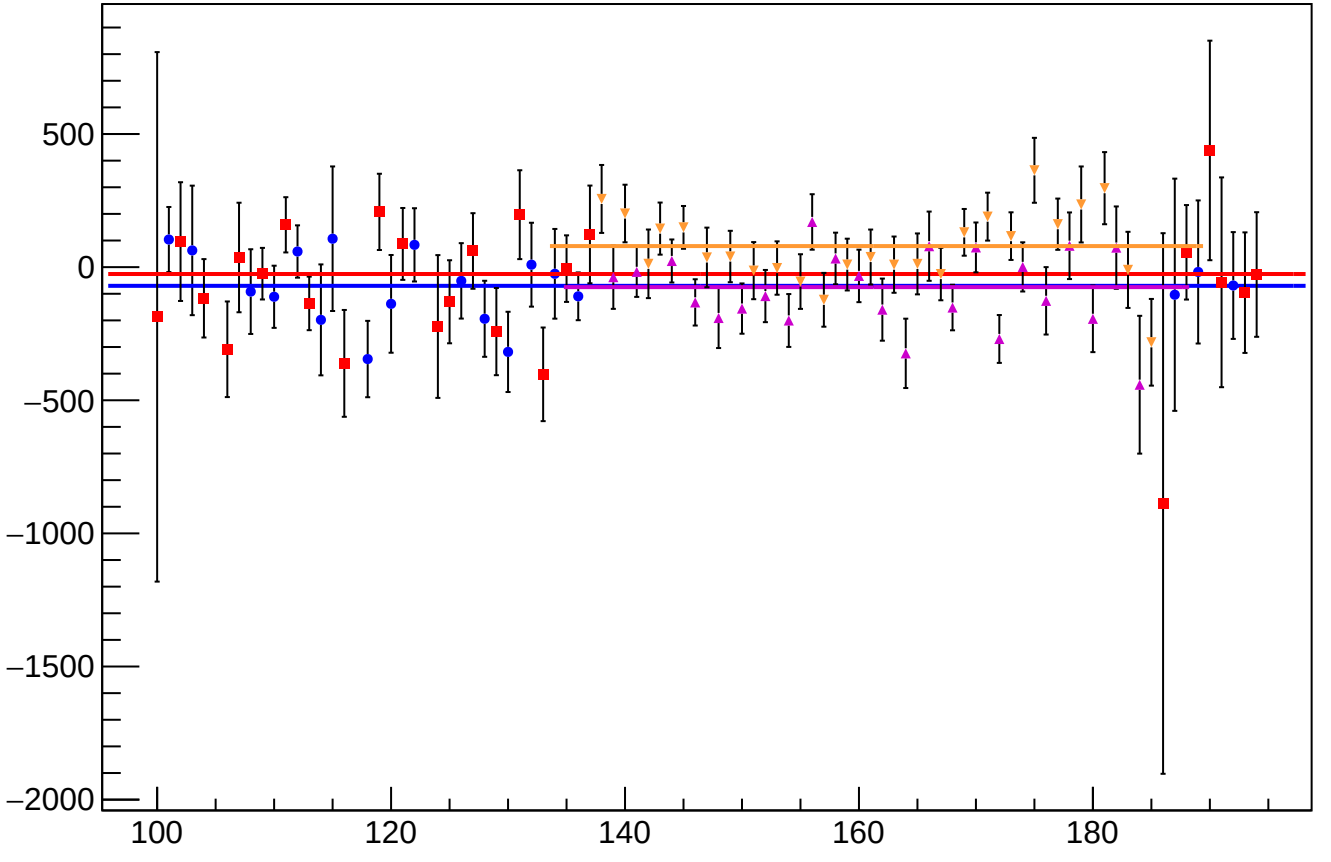
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 845.669+/-0.118 χ^2/NDF: 4561996.6/43

All: 851.390+/-0.084 χ^2/NDF: 10988953.4/91

- sign 857.210+/-0.119 χ^2/NDF: 6422192.6/47

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: -25.780+/-32.696 χ^2/NDF: 26.3/24

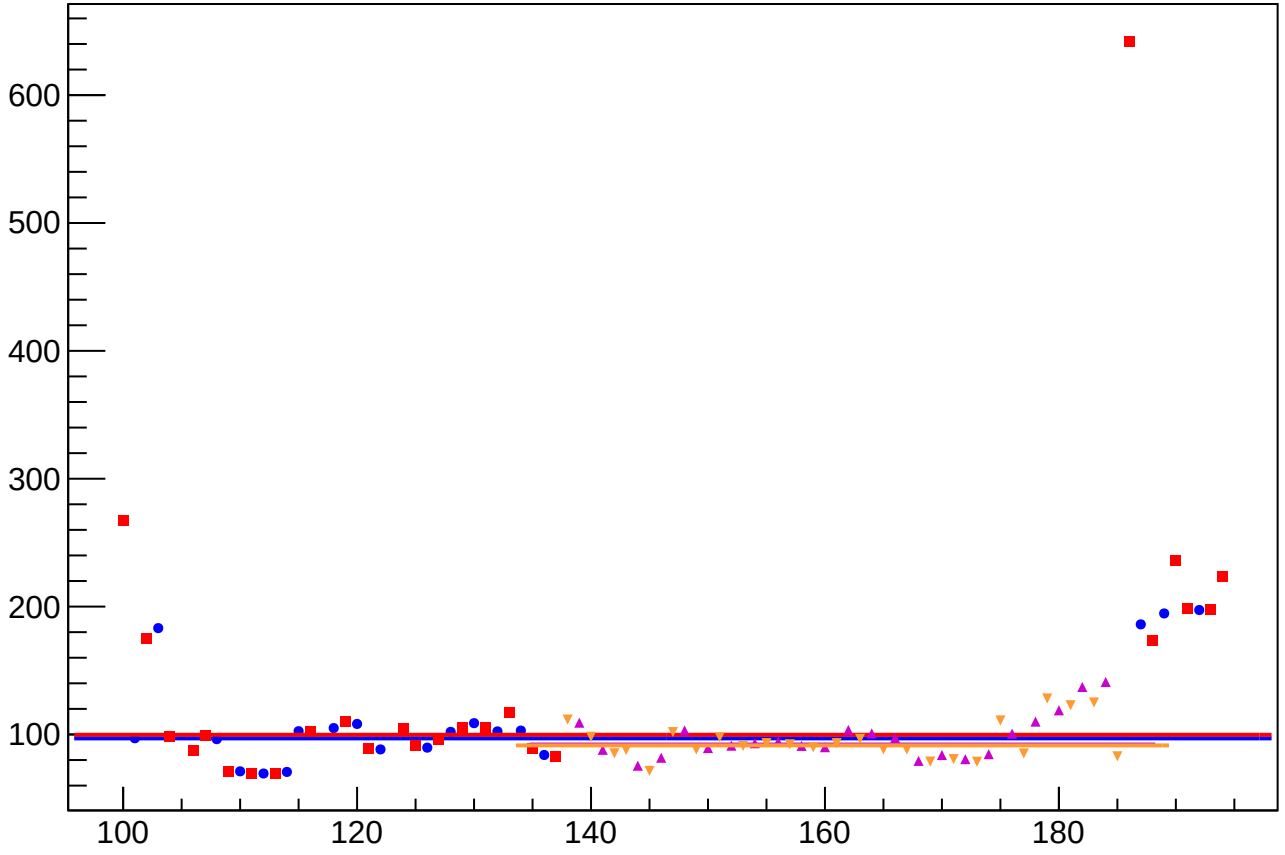
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 37.951+/-17.960 χ^2/NDF: 59.9/43

All: -10.410+/-12.769 χ^2/NDF: 135.0/91

- sign -59.851+/-18.159 χ^2/NDF: 60.5/47

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

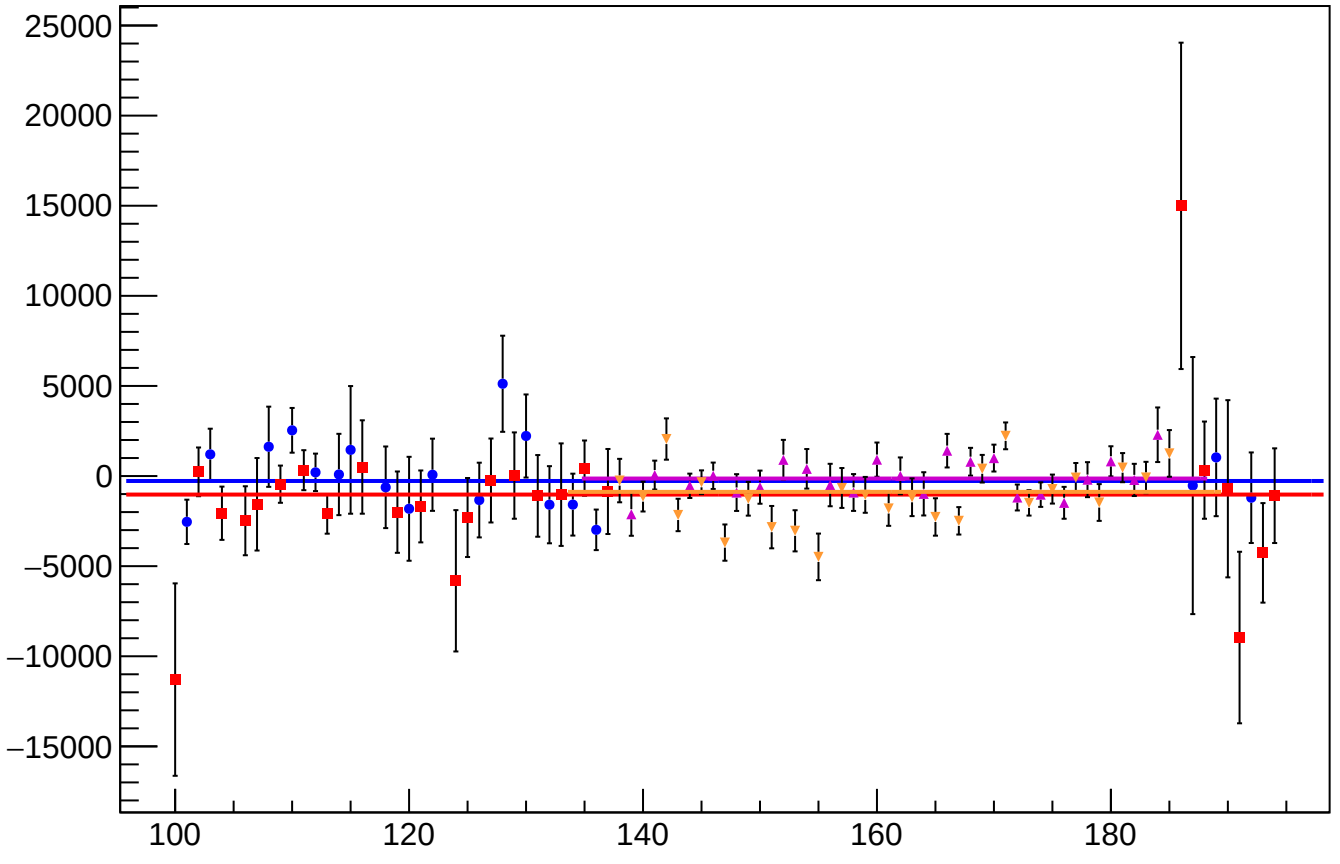
Right Out: 99.737+/-0.023 χ^2/NDF: 3106101.9/24

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 92.970+/-0.013 χ^2/NDF: 2264033.8/43

All: 93.705+/-0.009 χ^2/NDF: 6151947.8/91

- sign 94.456+/-0.013 χ^2/NDF: 3881144.2/47



Right In: -273.635+/-409.882 χ^2/NDF: 23.7/18

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1027.638+/-386.032 χ^2/NDF: 19.7/24

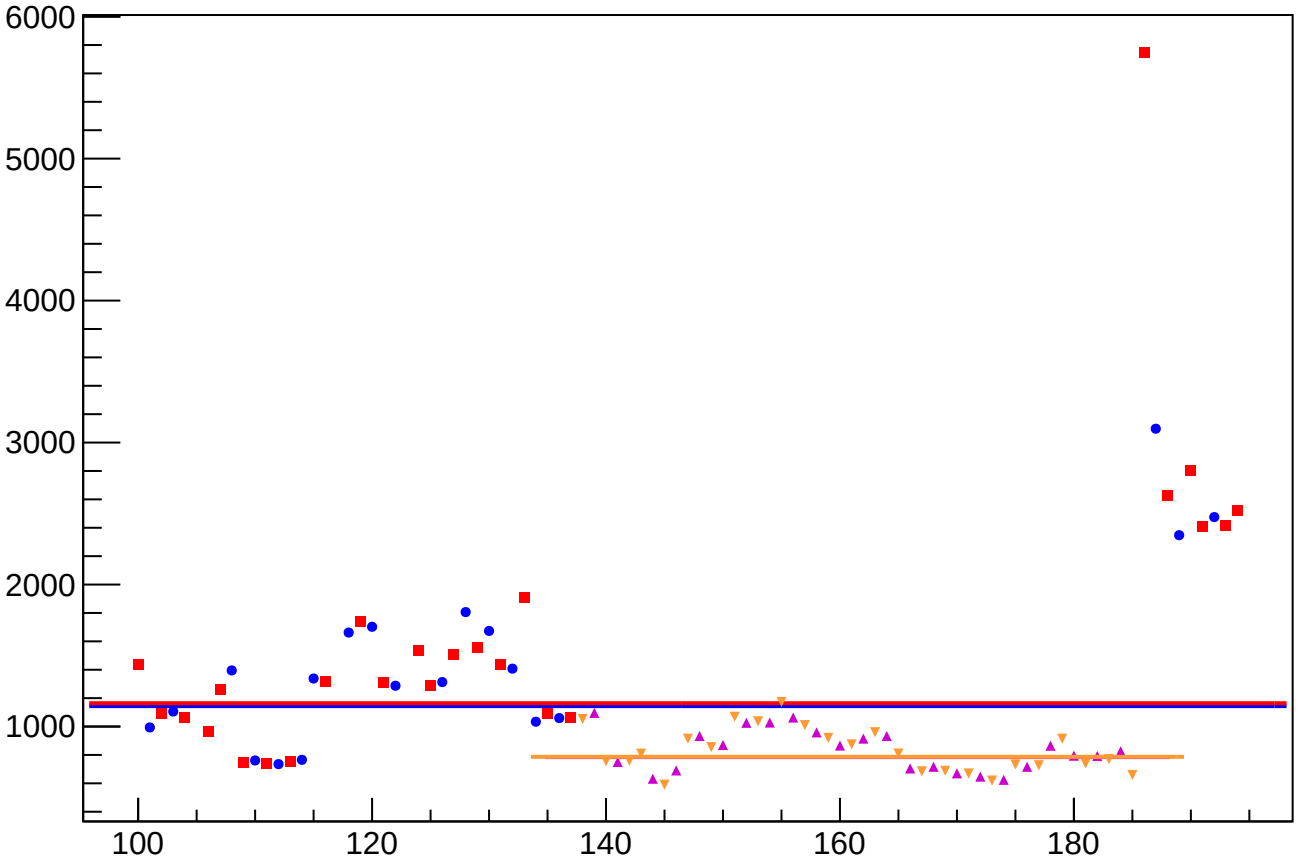
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -778.673+/-166.483 χ^2/NDF: 93.3/43

All: -544.977+/-118.248 χ^2/NDF: 145.4/91

- sign -307.051+/-167.983 χ^2/NDF: 48.2/47

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: 1164.176+/-0.273 χ^2/NDF: 3783210.5/24

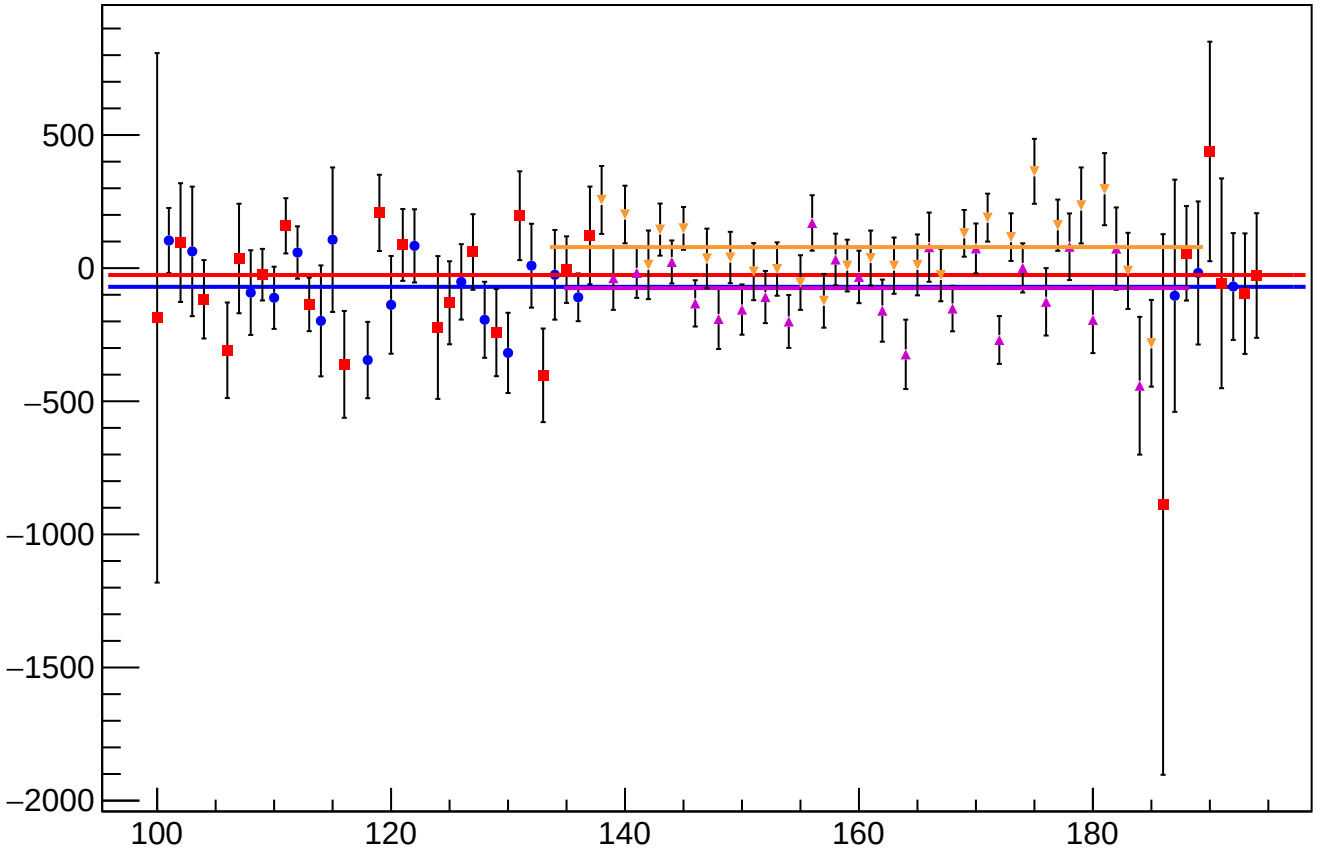
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 845.670+/-0.118 χ^2/NDF: 4562040.3/43

All: 851.118+/-0.084 χ^2/NDF: 10978907.9/91

- sign 856.665+/-0.119 χ^2/NDF: 6412544.9/47

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: -25.780+/-32.696 χ^2/NDF: 26.3/24

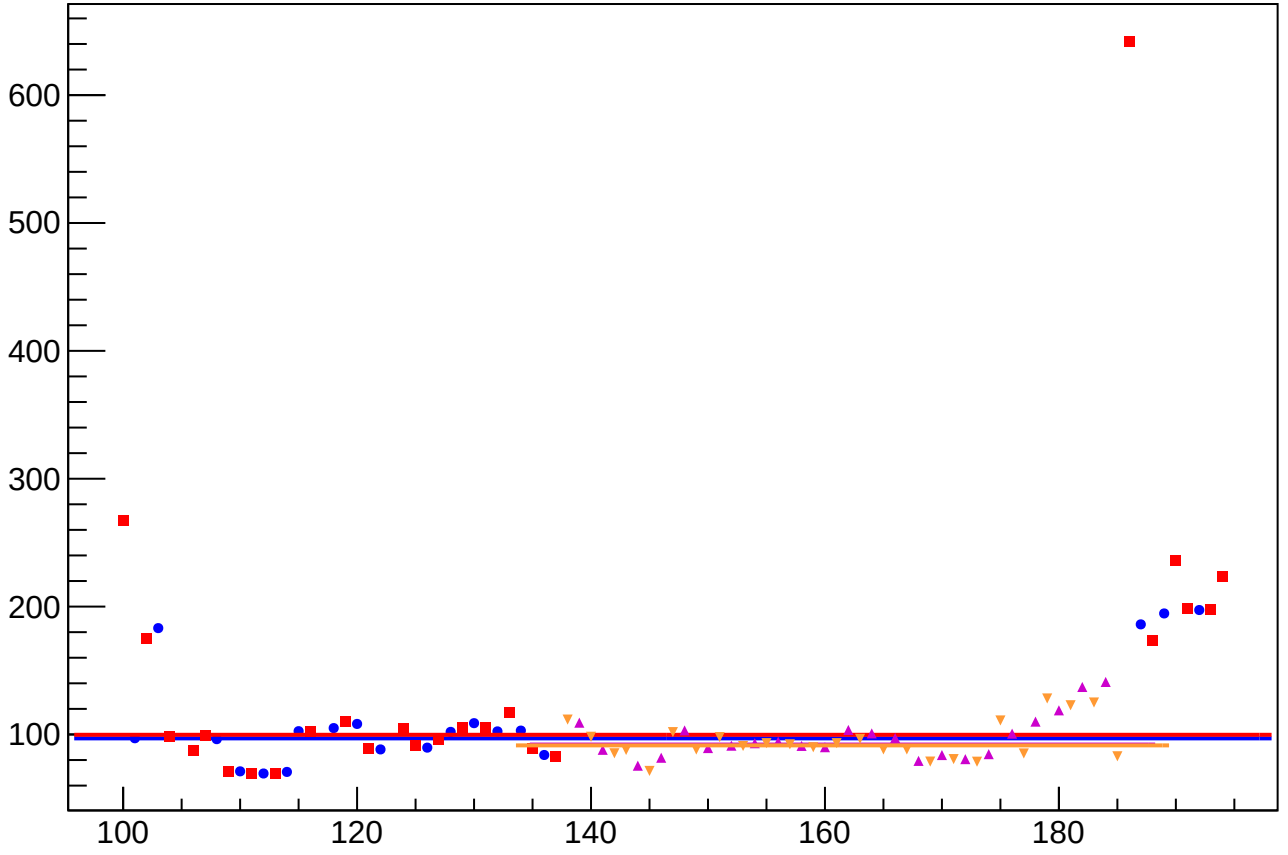
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 37.951+/-17.960 χ^2/NDF: 59.9/43

All: -10.410+/-12.769 χ^2/NDF: 135.0/91

- sign -59.851+/-18.159 χ^2/NDF: 60.5/47

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

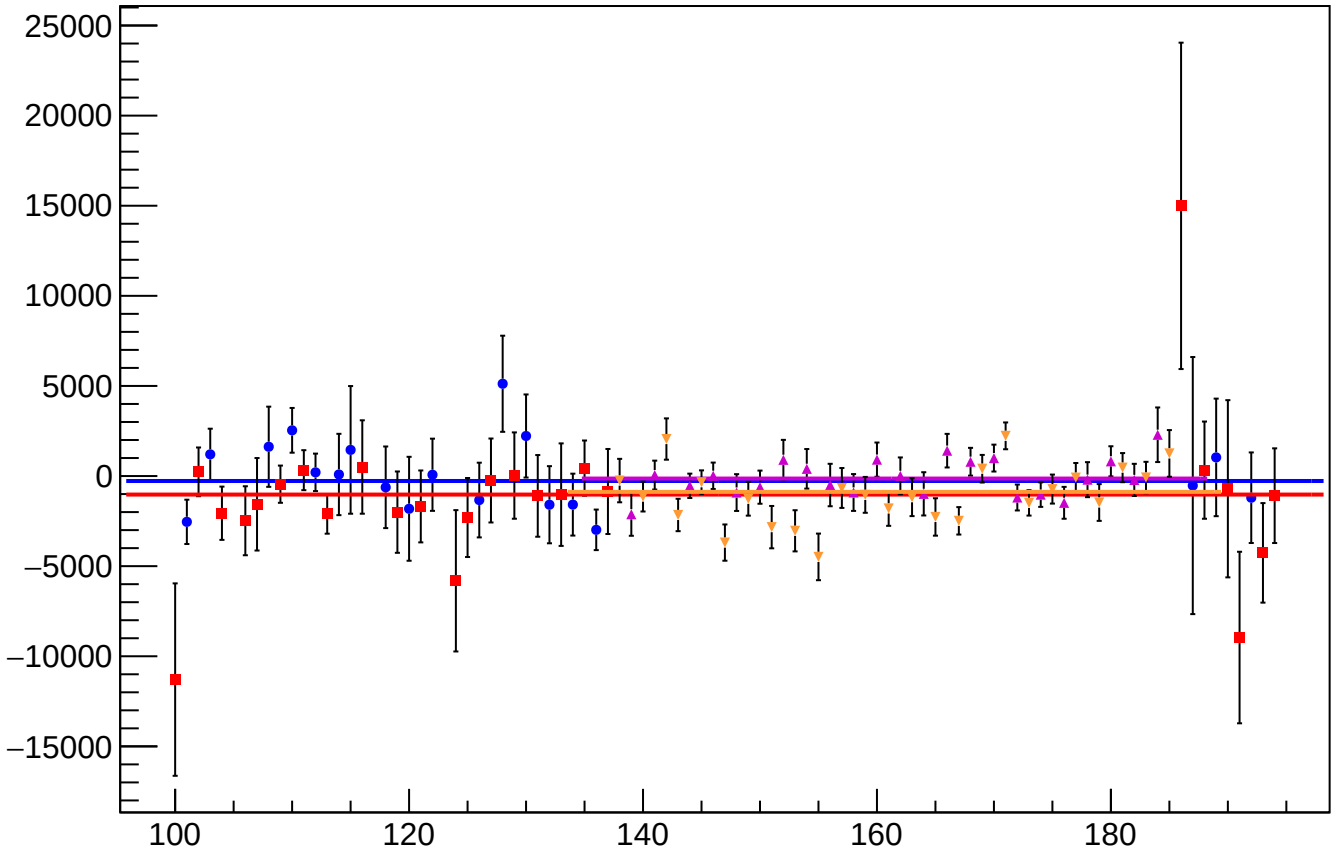
Right Out: 99.737+/-0.023 χ^2/NDF: 3106101.9/24

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 92.970+/-0.013 χ^2/NDF: 2264033.8/43

All: 93.705+/-0.009 χ^2/NDF: 6151947.8/91

- sign 94.456+/-0.013 χ^2/NDF: 3881144.2/47



Right In: -273.635+/-409.882 χ^2/NDF: 23.7/18

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

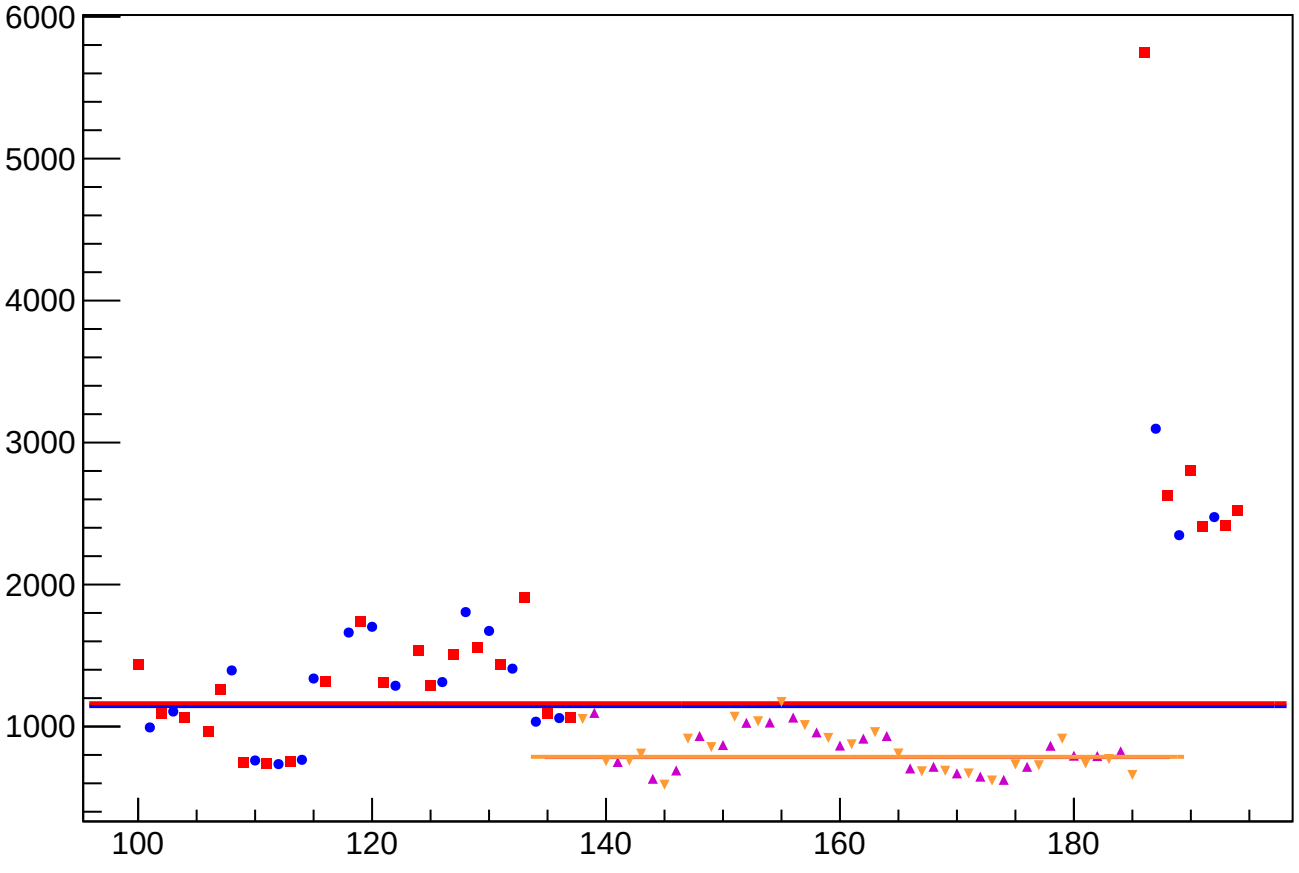
Right Out: -1027.638+/-386.032 χ^2/NDF: 19.7/24

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -778.673+/-166.483 χ^2/NDF: 93.3/43

All: -544.977+/-118.248 χ^2/NDF: 145.4/91

- sign -307.051+/-167.983 χ^2/NDF: 48.2/47



Right In: 1143.850+/-0.290 χ^2/NDF: 2083577.7/18

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1164.176+/-0.273 χ^2/NDF: 3783210.5/24

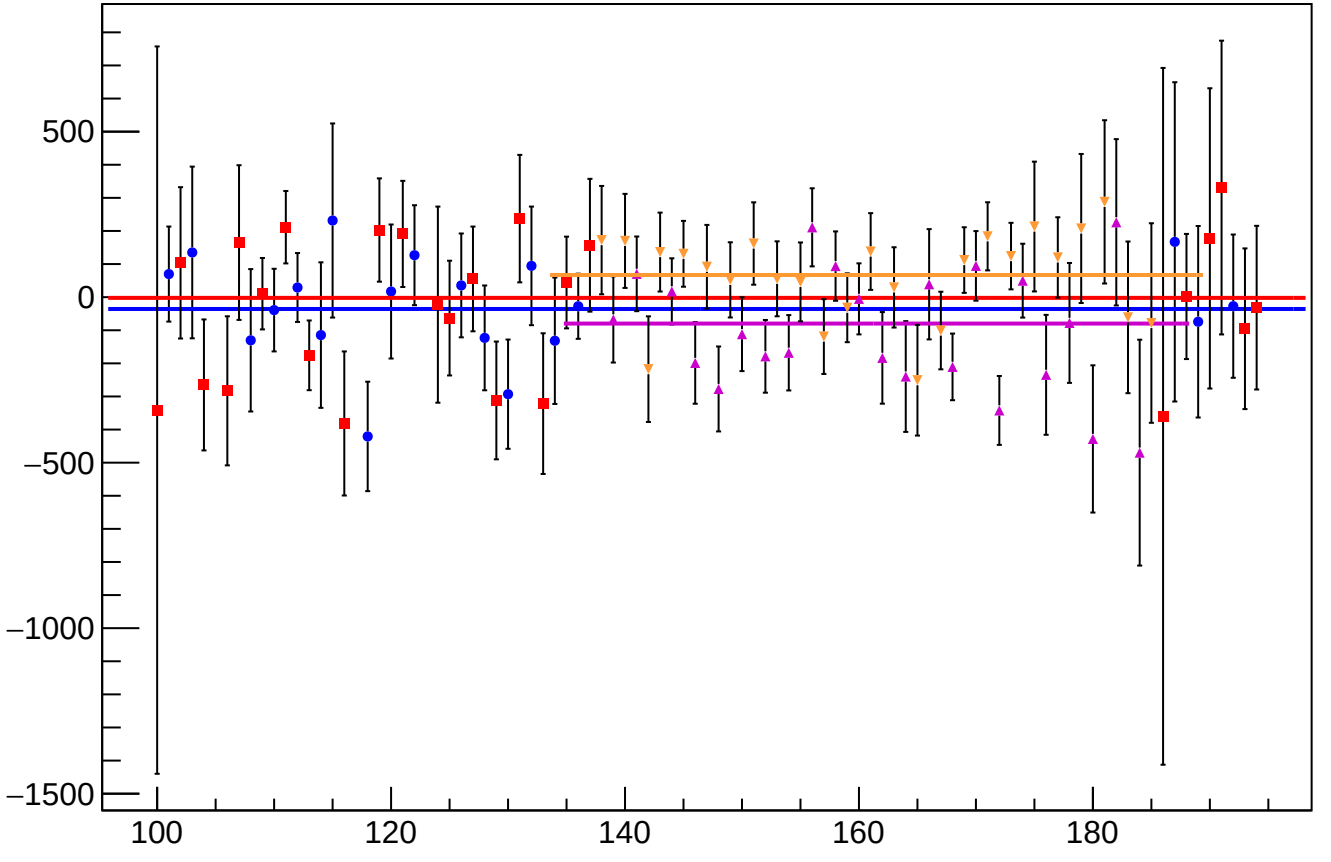
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 845.670+/-0.118 χ^2/NDF: 4562040.3/43

All: 851.118+/-0.084 χ^2/NDF: 10978907.9/91

- sign 856.665+/-0.119 χ^2/NDF: 6412544.9/47

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: -2.142+/-36.304 χ^2/NDF: 25.7/24

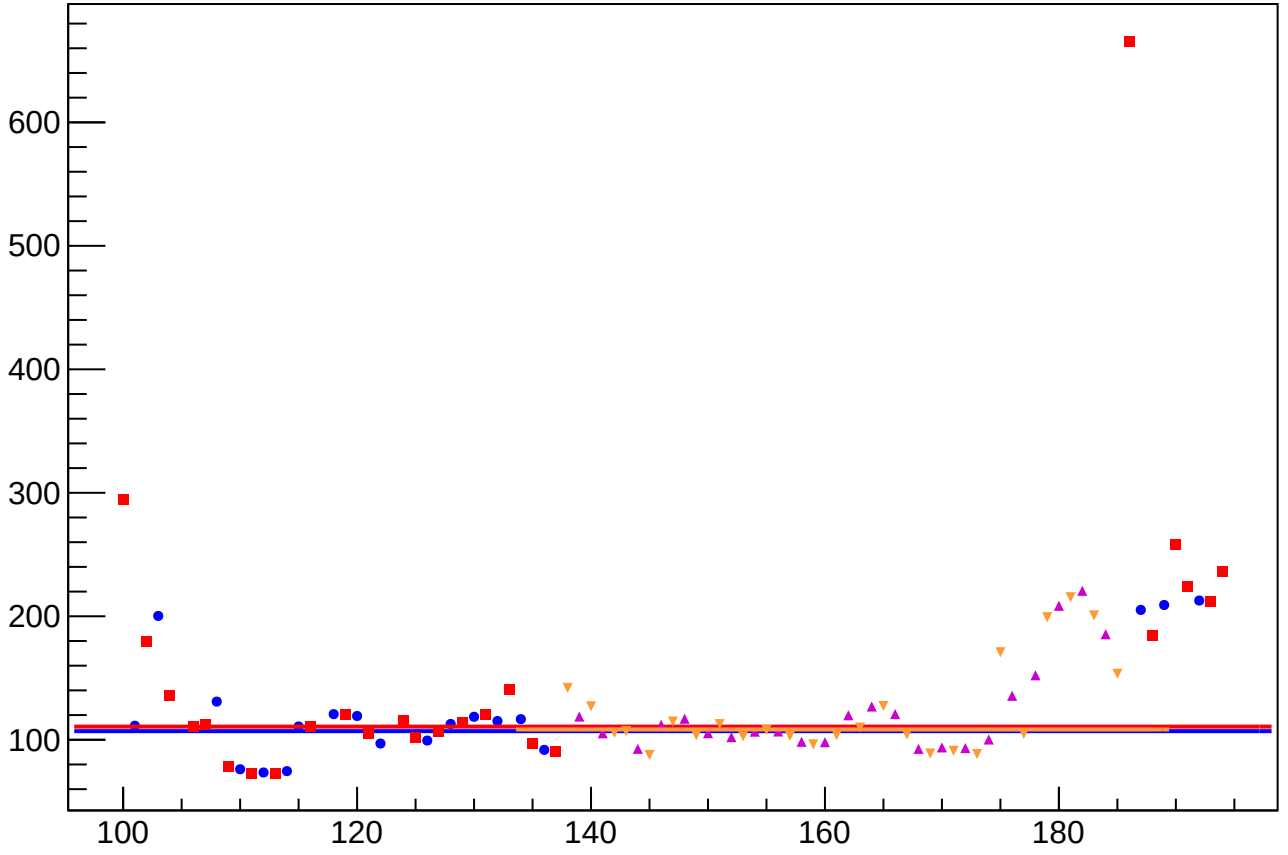
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 34.809+/-21.209 χ^2/NDF: 37.7/43

All: -8.937+/-15.028 χ^2/NDF: 111.9/91

- sign -53.052+/-21.298 χ^2/NDF: 65.7/47

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

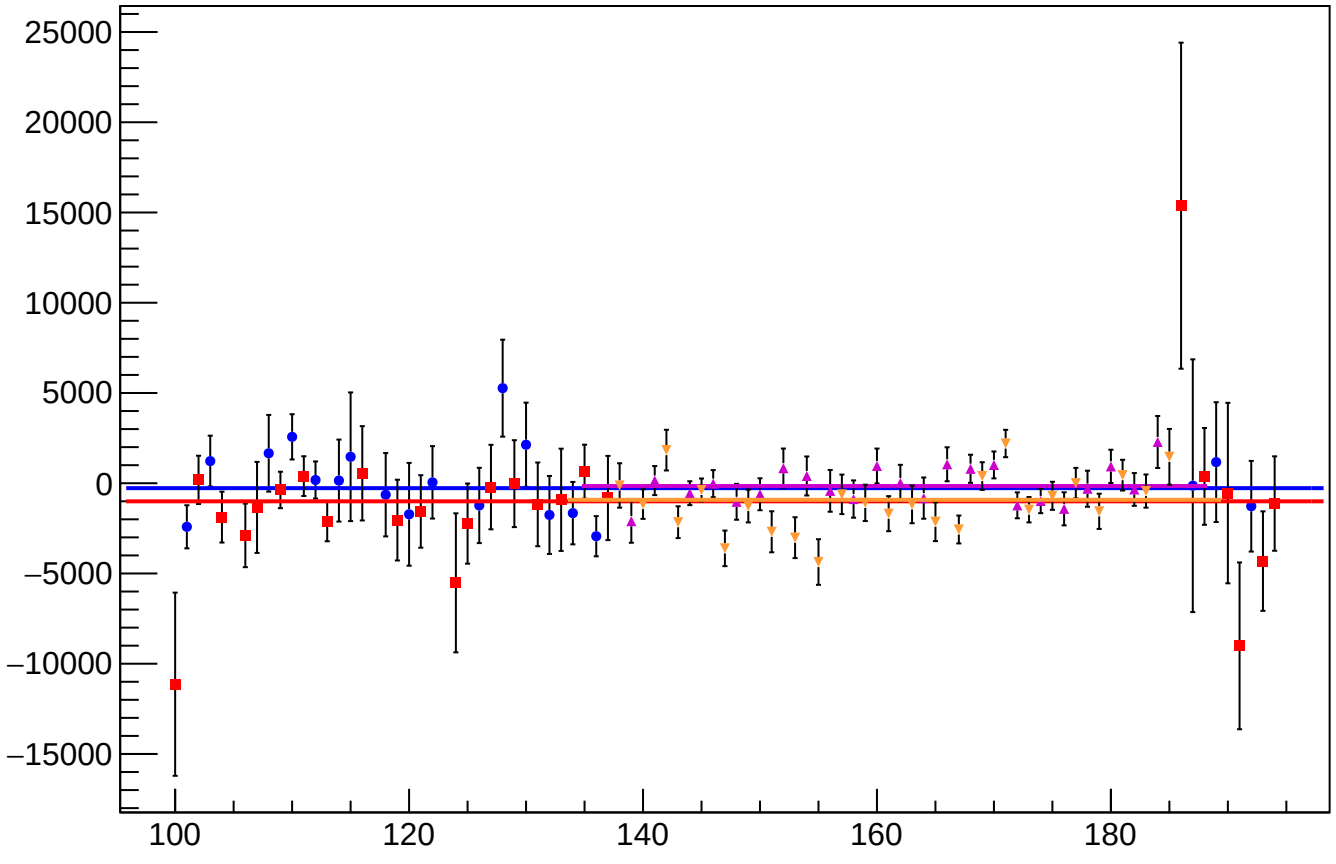
Right Out: 110.647+/-0.026 χ^2/NDF: 3112215.4/24

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 107.903+/-0.015 χ^2/NDF: 3349028.5/43

All: 108.566+/-0.011 χ^2/NDF: 7849186.8/91

- sign 109.234+/-0.015 χ^2/NDF: 4496234.1/47



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: -1002.369+/-381.095 χ^2/NDF: 21.2/24

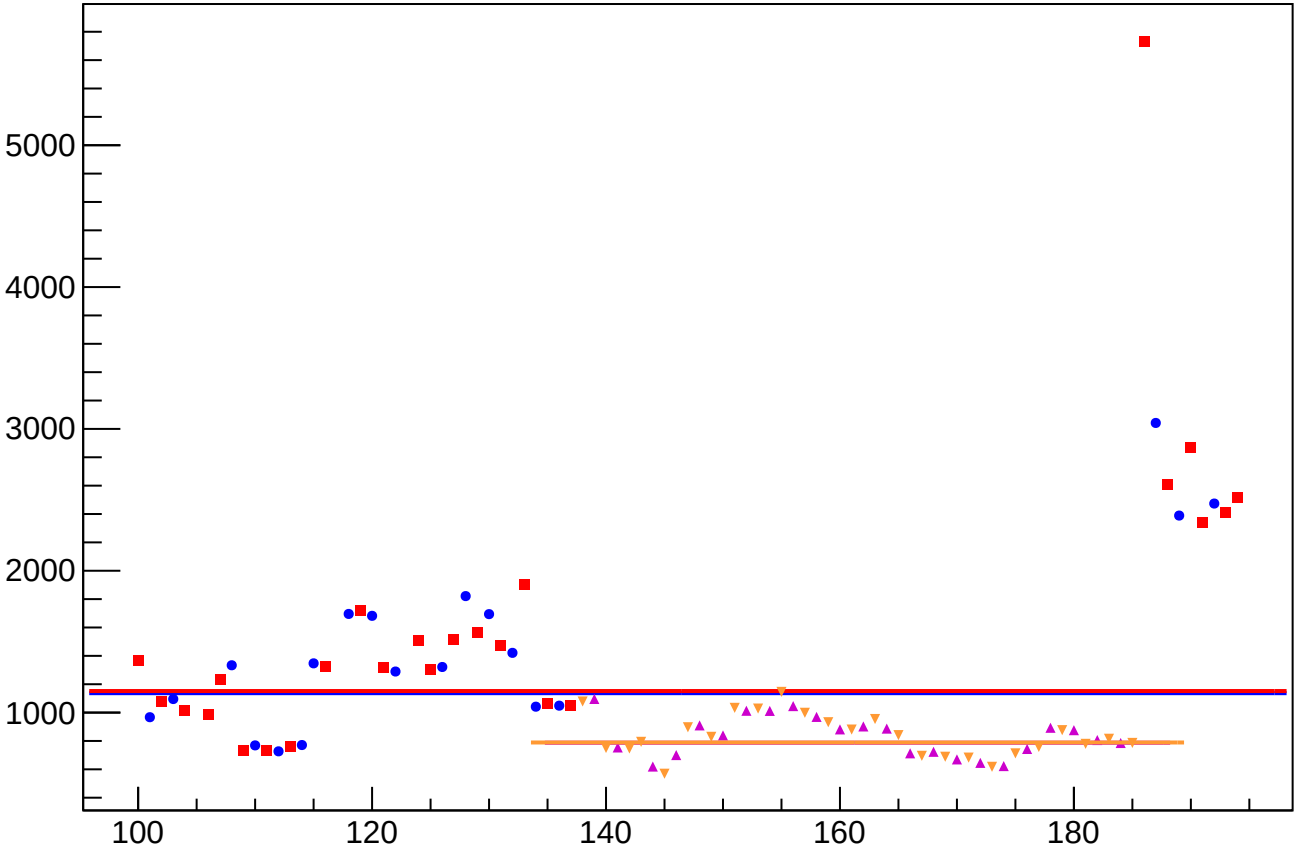
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -810.817+/-166.537 χ^2/NDF: 90.0/43

All: -567.649+/-118.260 χ^2/NDF: 142.5/91

- sign -320.303+/-167.962 χ^2/NDF: 48.2/47

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: 1152.006+/-0.269 χ^2/NDF: 3838766.6/24

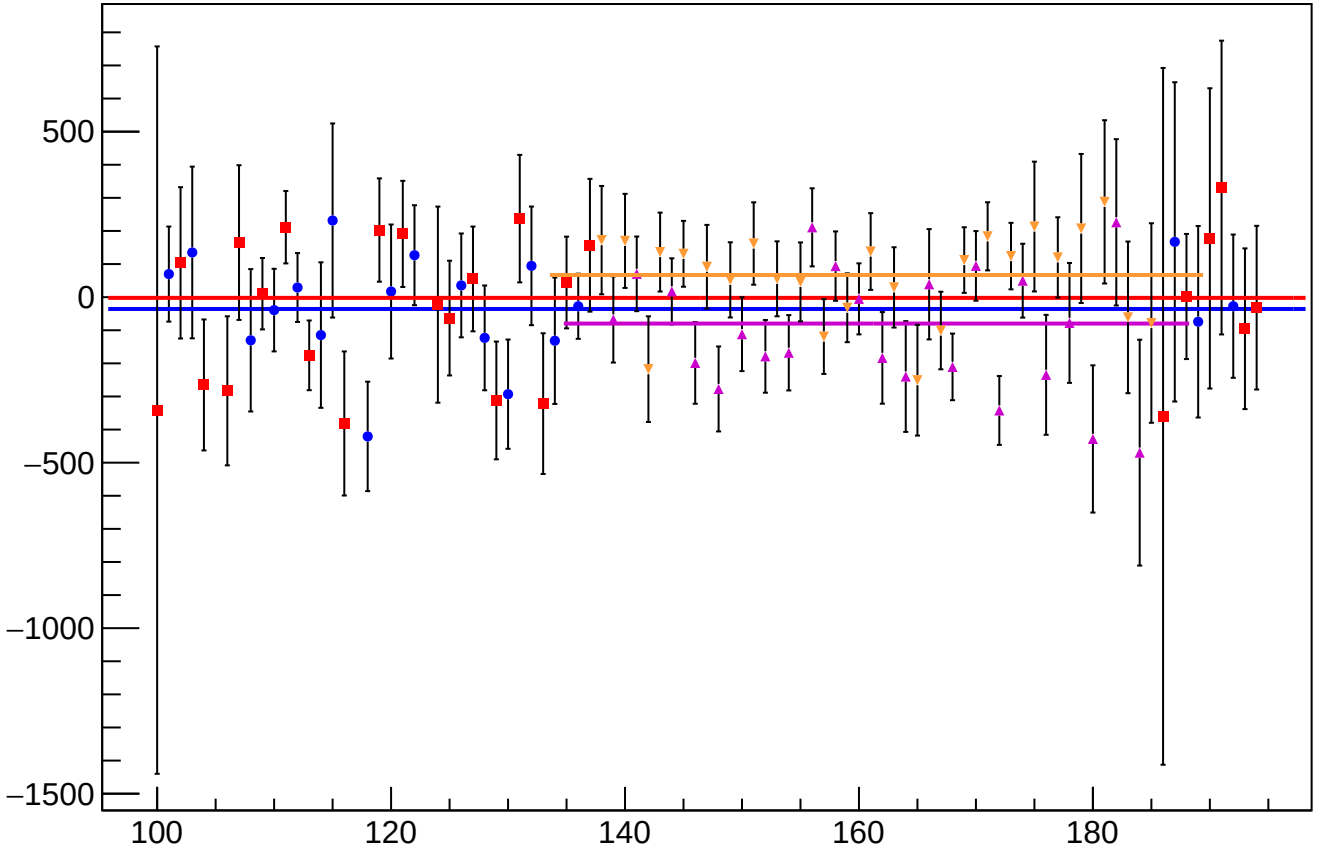
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 847.274+/-0.118 χ^2/NDF: 4511136.7/43

All: 852.698+/-0.084 χ^2/NDF: 10870727.0/91

- sign 858.216+/-0.119 χ^2/NDF: 6355310.7/47

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: -2.141+/-36.304 χ^2/NDF: 25.7/24

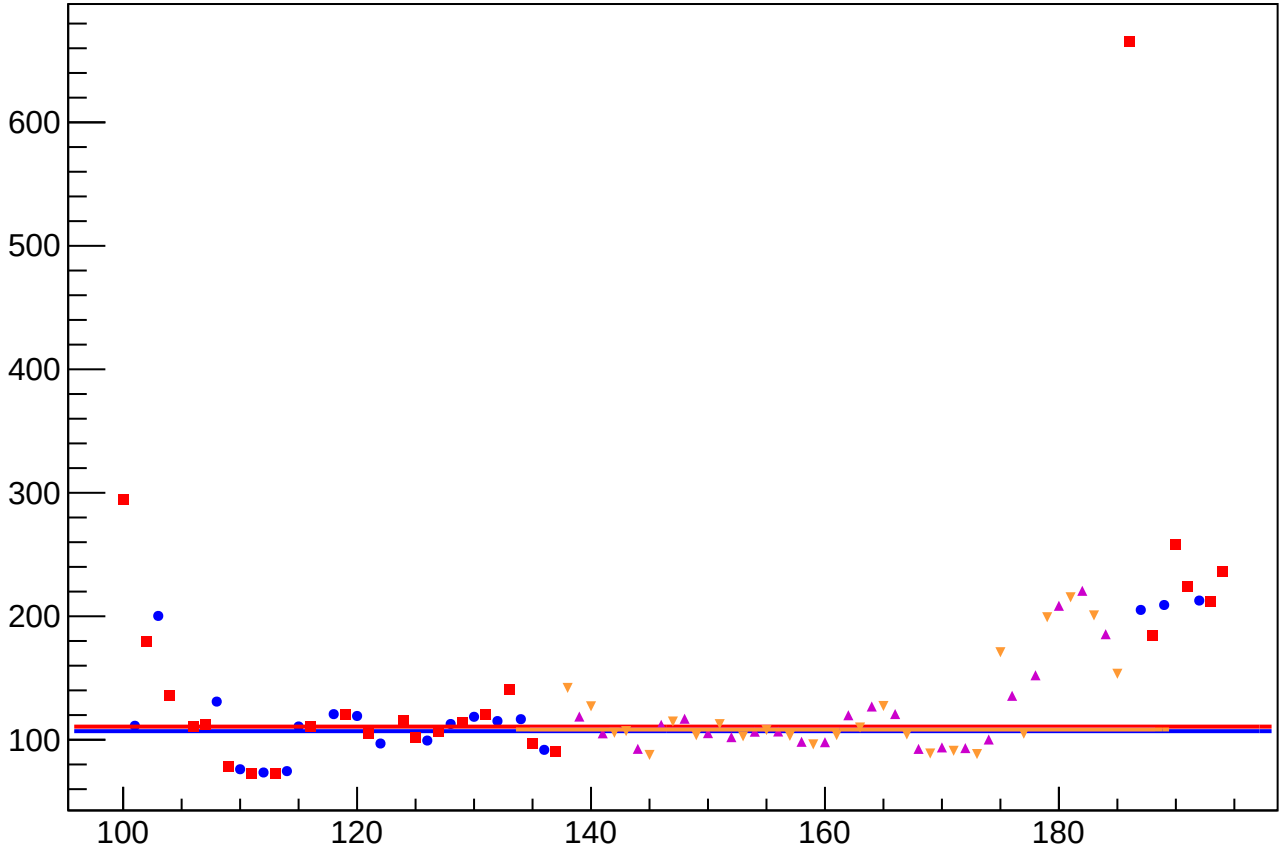
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 34.810+/-21.209 χ^2/NDF: 37.7/43

All: -8.936+/-15.028 χ^2/NDF: 111.9/91

- sign -53.051+/-21.298 χ^2/NDF: 65.7/47

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

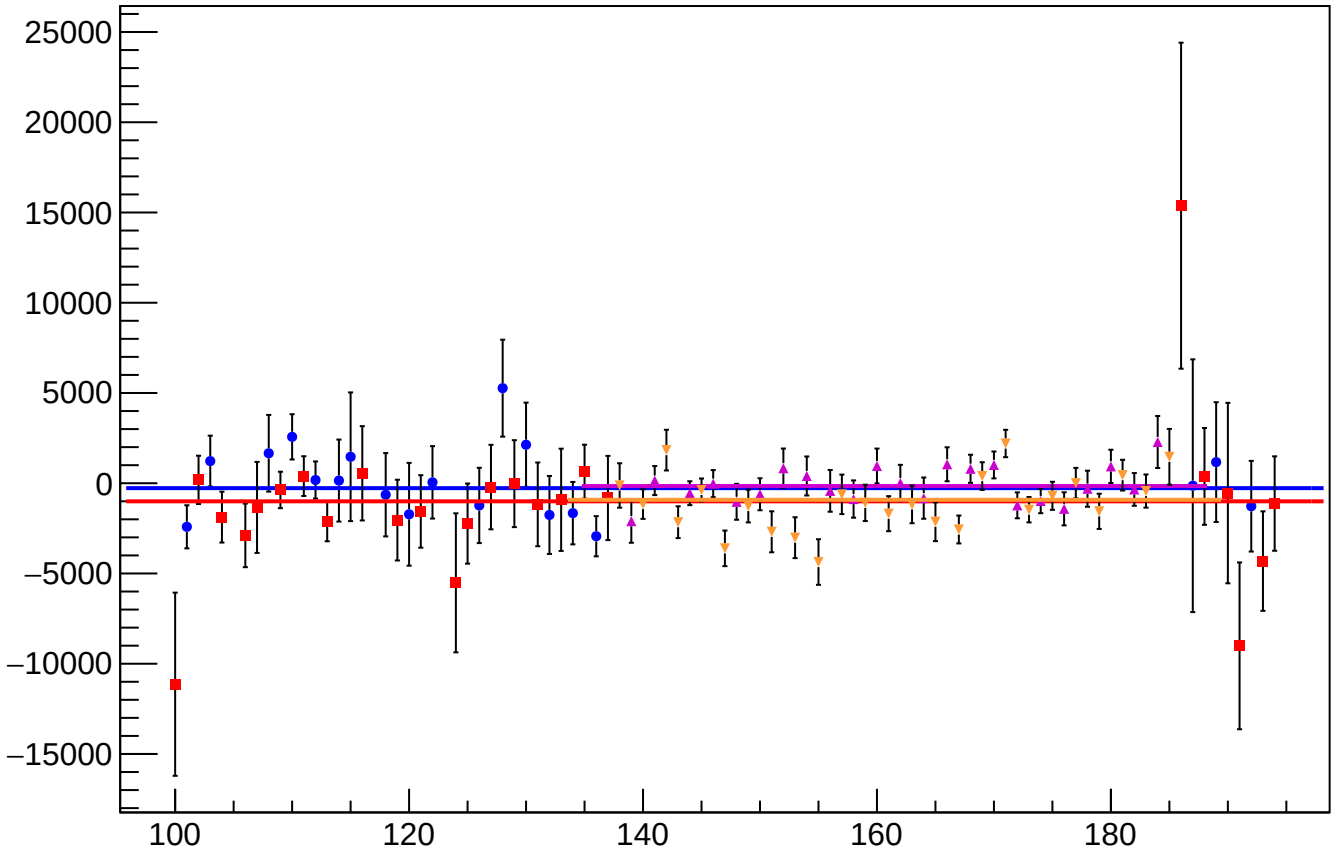
Right Out: 110.647+/-0.026 χ^2/NDF: 3112220.9/24

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 107.903+/-0.015 χ^2/NDF: 3349019.9/43

All: 108.566+/-0.011 χ^2/NDF: 7849164.1/91

- sign 109.234+/-0.015 χ^2/NDF: 4496219.9/47



Right In: -272.243+/-407.610 χ^2/NDF: 23.8/18

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

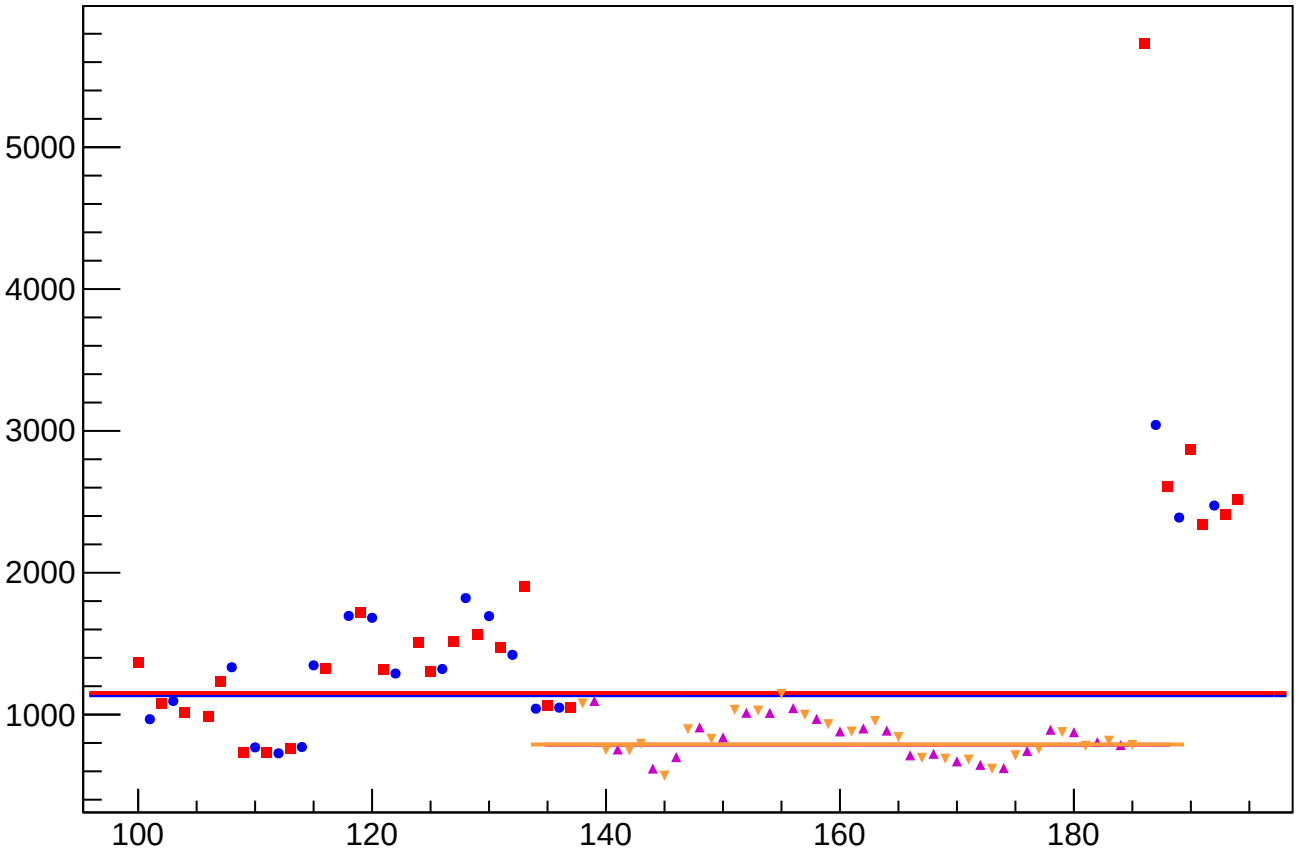
Right Out: -1002.367+/-381.095 χ^2/NDF: 21.2/24

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -810.816+/-166.537 χ^2/NDF: 90.0/43

All: -567.648+/-118.260 χ^2/NDF: 142.5/91

- sign -320.302+/-167.962 χ^2/NDF: 48.2/47



Right In: 1136.847+/-0.288 χ^2/NDF: 2122683.5/18

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1152.004+/-0.269 χ^2/NDF: 3838768.4/24

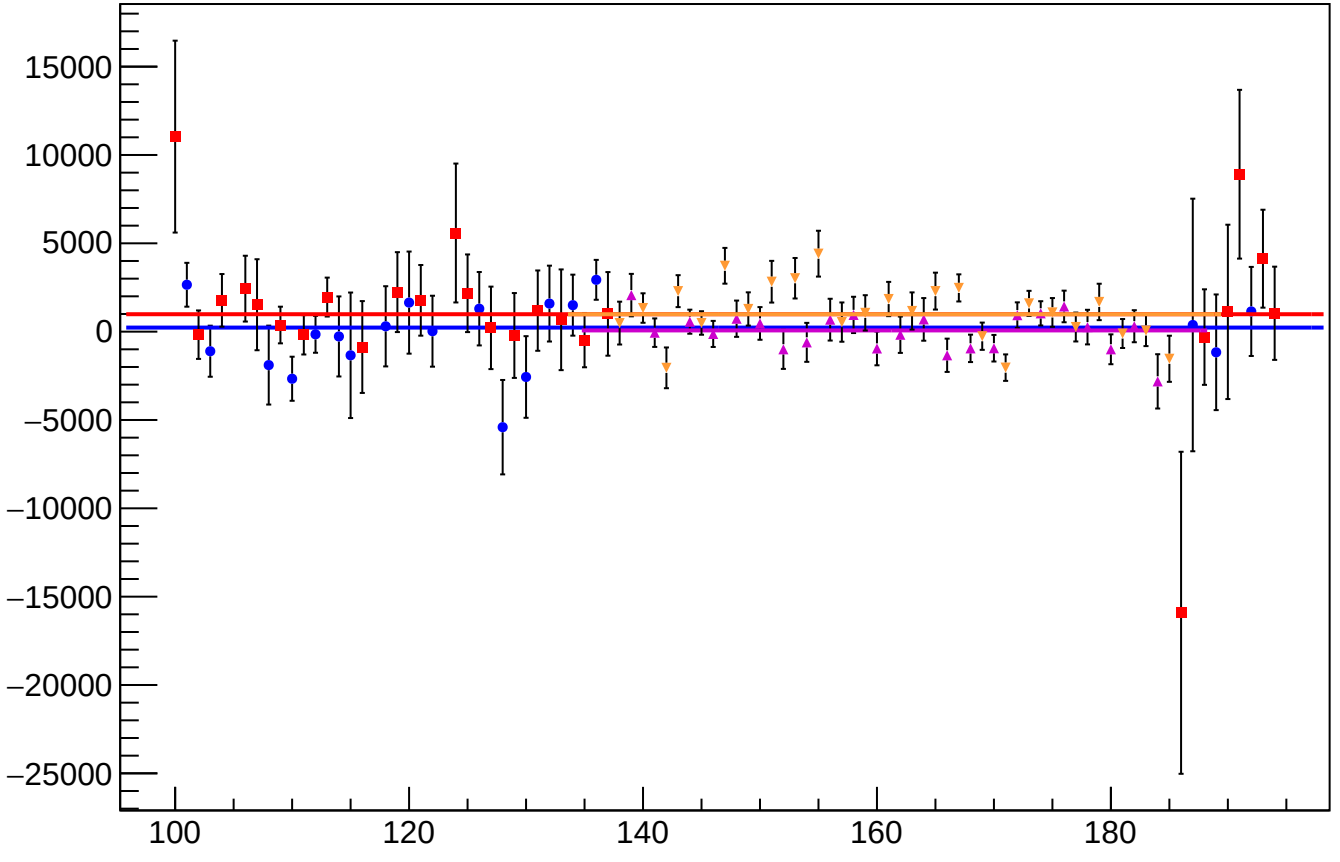
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 847.273+/-0.118 χ^2/NDF: 4511144.7/43

All: 852.697+/-0.084 χ^2/NDF: 10870738.0/91

- sign 858.214+/-0.119 χ^2/NDF: 6355313.7/47

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: 986.887+/-387.439 χ^2/NDF: 18.9/24

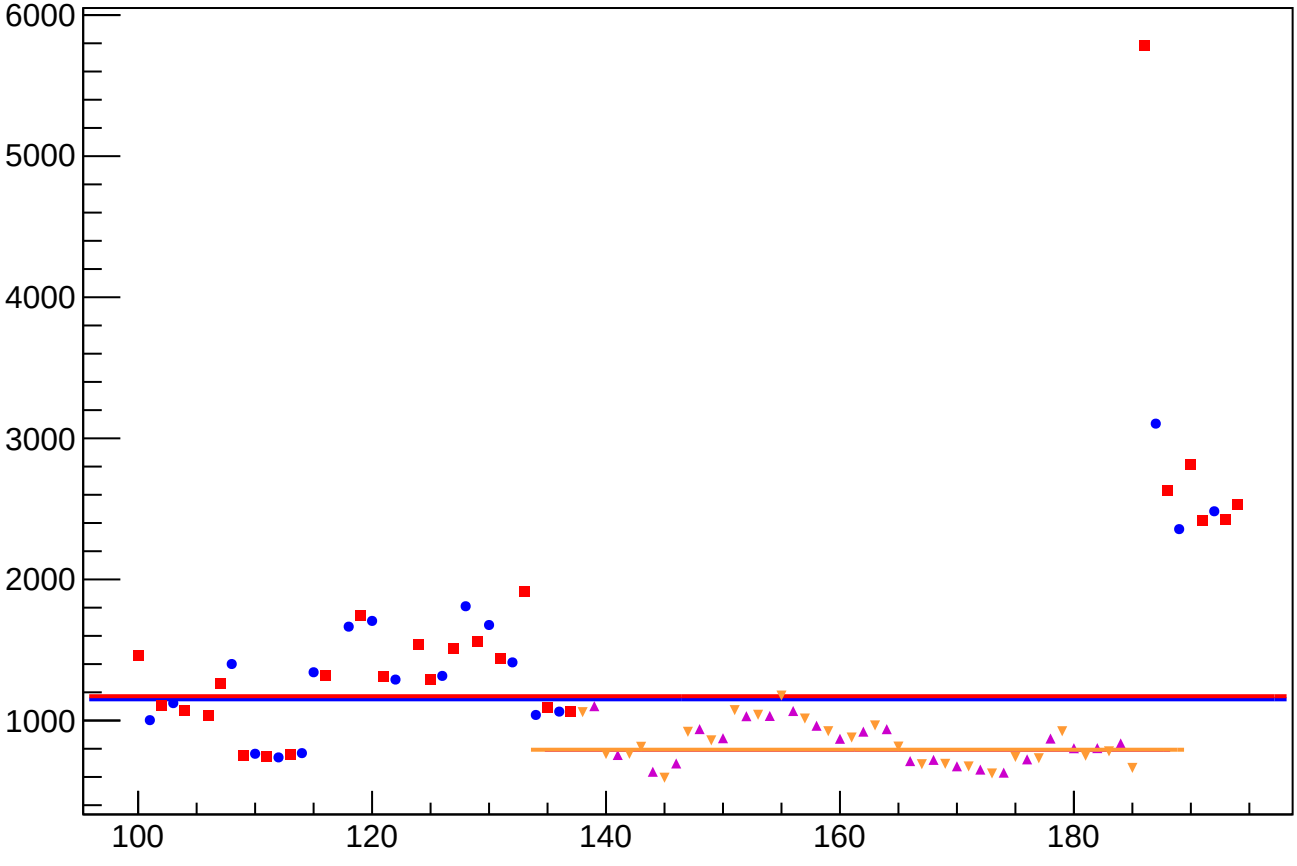
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 860.541+/-167.706 χ^2/NDF: 91.3/43

All: 555.371+/-119.099 χ^2/NDF: 145.8/91

- sign 244.867+/-169.165 χ^2/NDF: 47.9/47

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

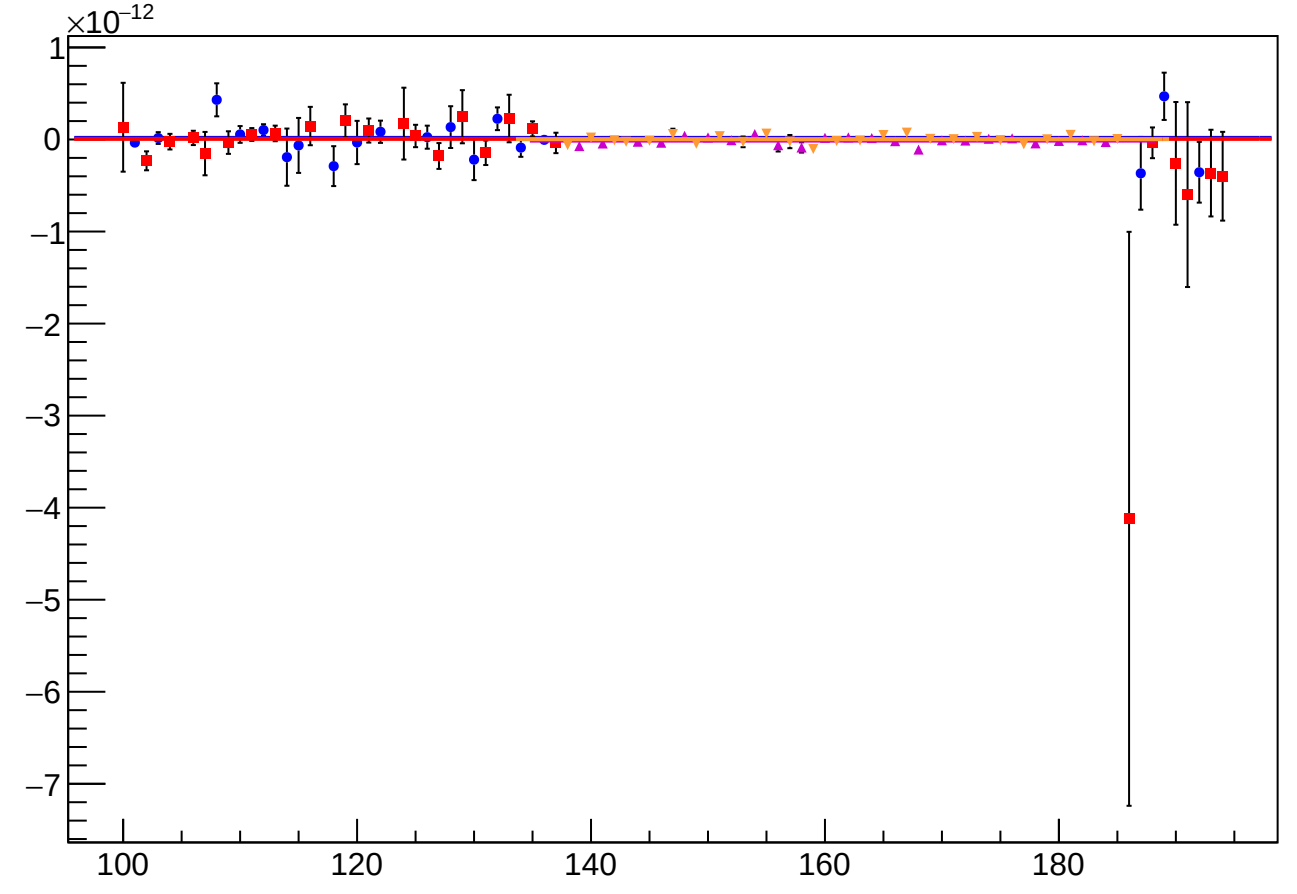
Right Out: 1172.395+/-0.274 χ^2/NDF: 3763283.2/24

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 852.229+/-0.119 χ^2/NDF: 4522000.4/43

All: 857.982+/-0.084 χ^2/NDF: 10906467.0/91

- sign 863.835+/-0.120 χ^2/NDF: 6379718.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

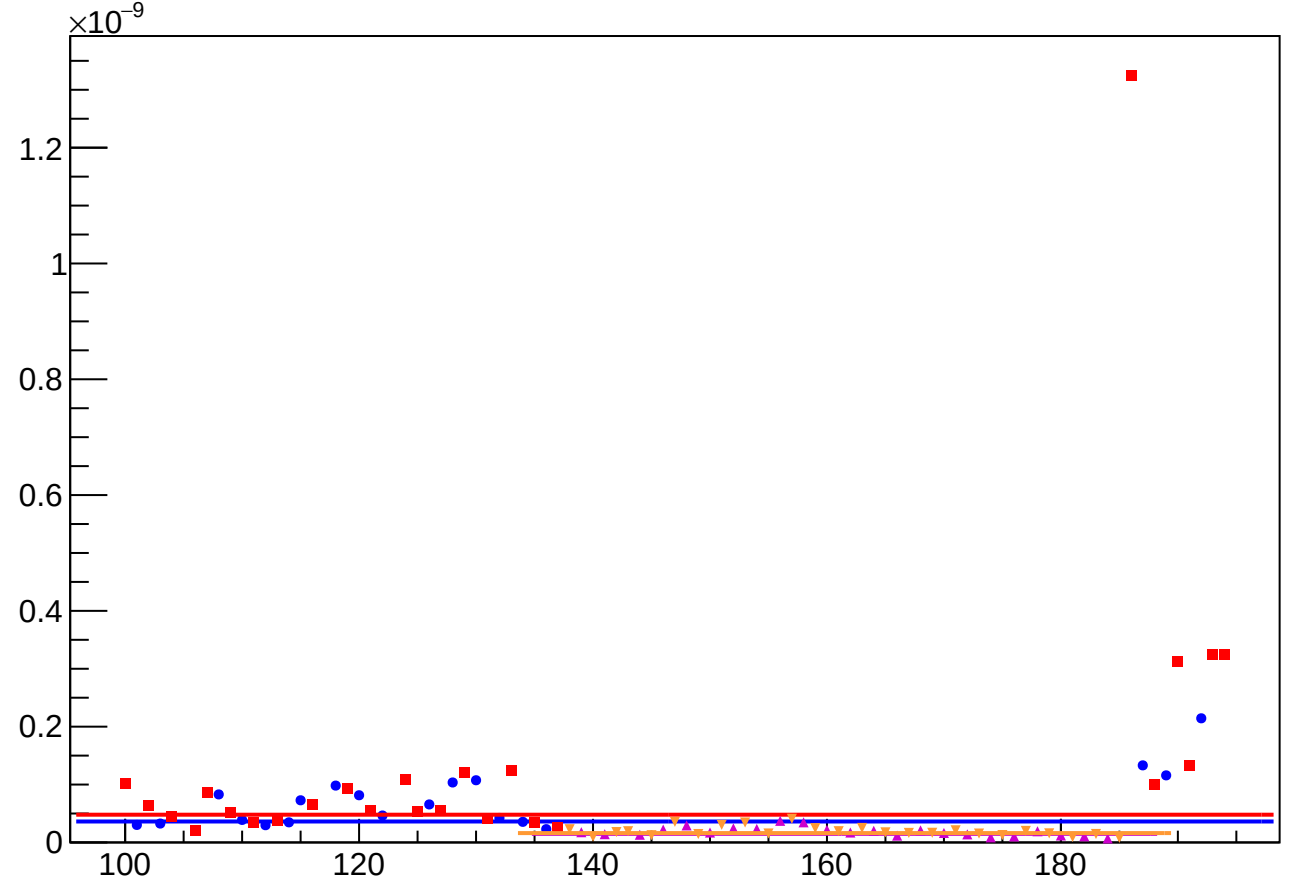
Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/24

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: 105.1/91

- sign -0.000+/-0.000 χ^2/NDF: 45.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 2096703.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3316774.3/24

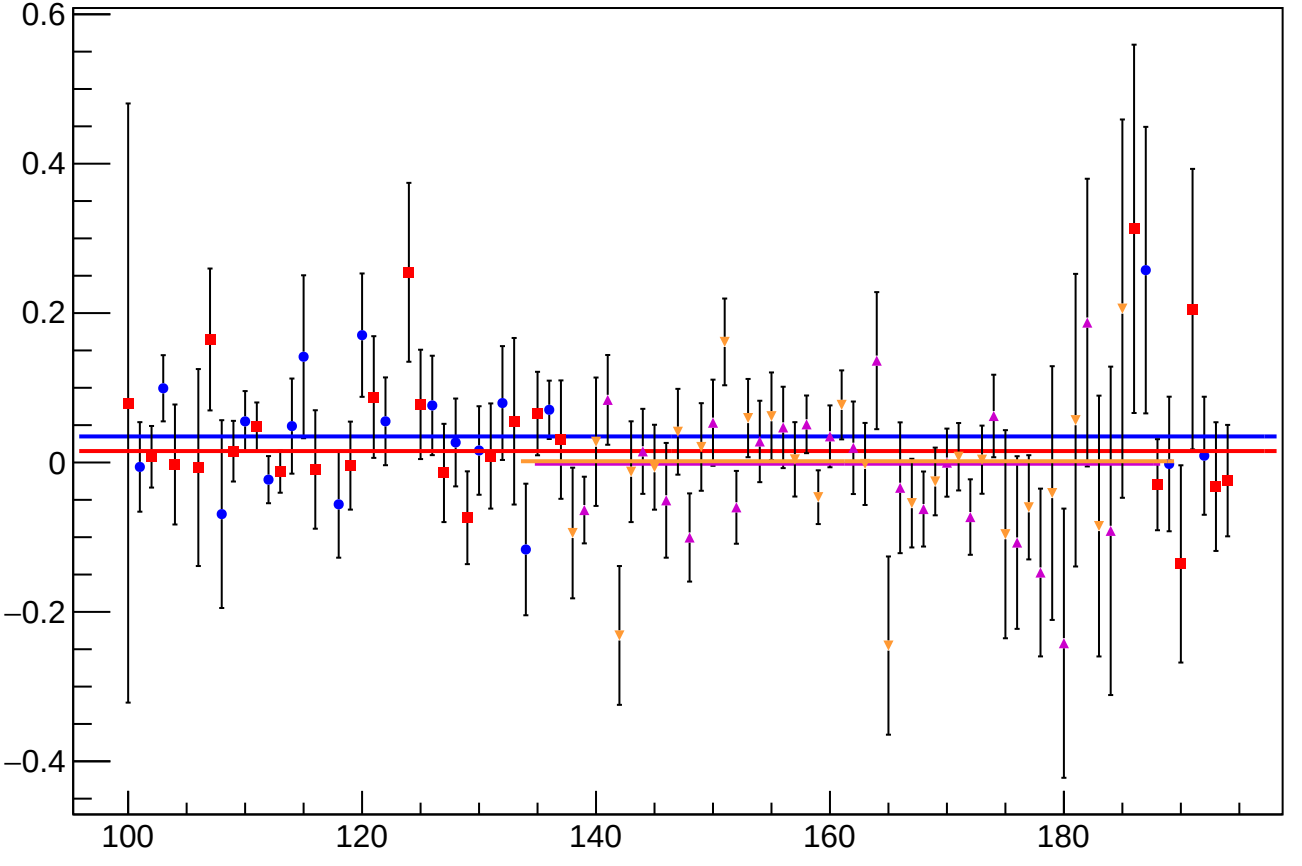
Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5391458.1/43

All: 0.000+/-0.000 χ^2/NDF: 13357586.4/91

- sign 0.000+/-0.000 χ^2/NDF: 7932875.2/47

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.013 χ^2/NDF: 18.6/18

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.015+/-0.012 χ^2/NDF: 18.4/24

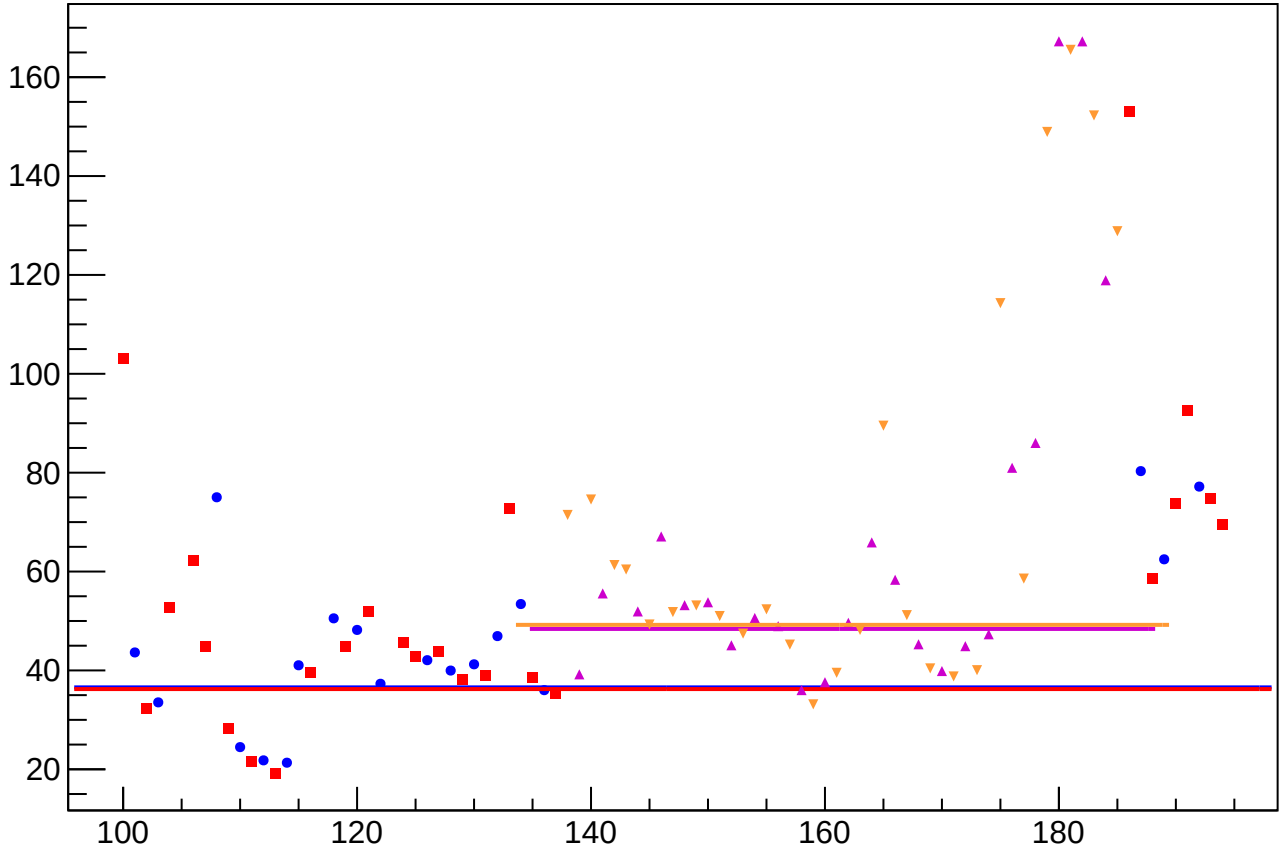
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.3/43

All: 0.012+/-0.006 χ^2/NDF: 98.3/91

- sign 0.007+/-0.009 χ^2/NDF: 45.4/47

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 36.569+/-0.010 χ^2/NDF: 2014836.9/18

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

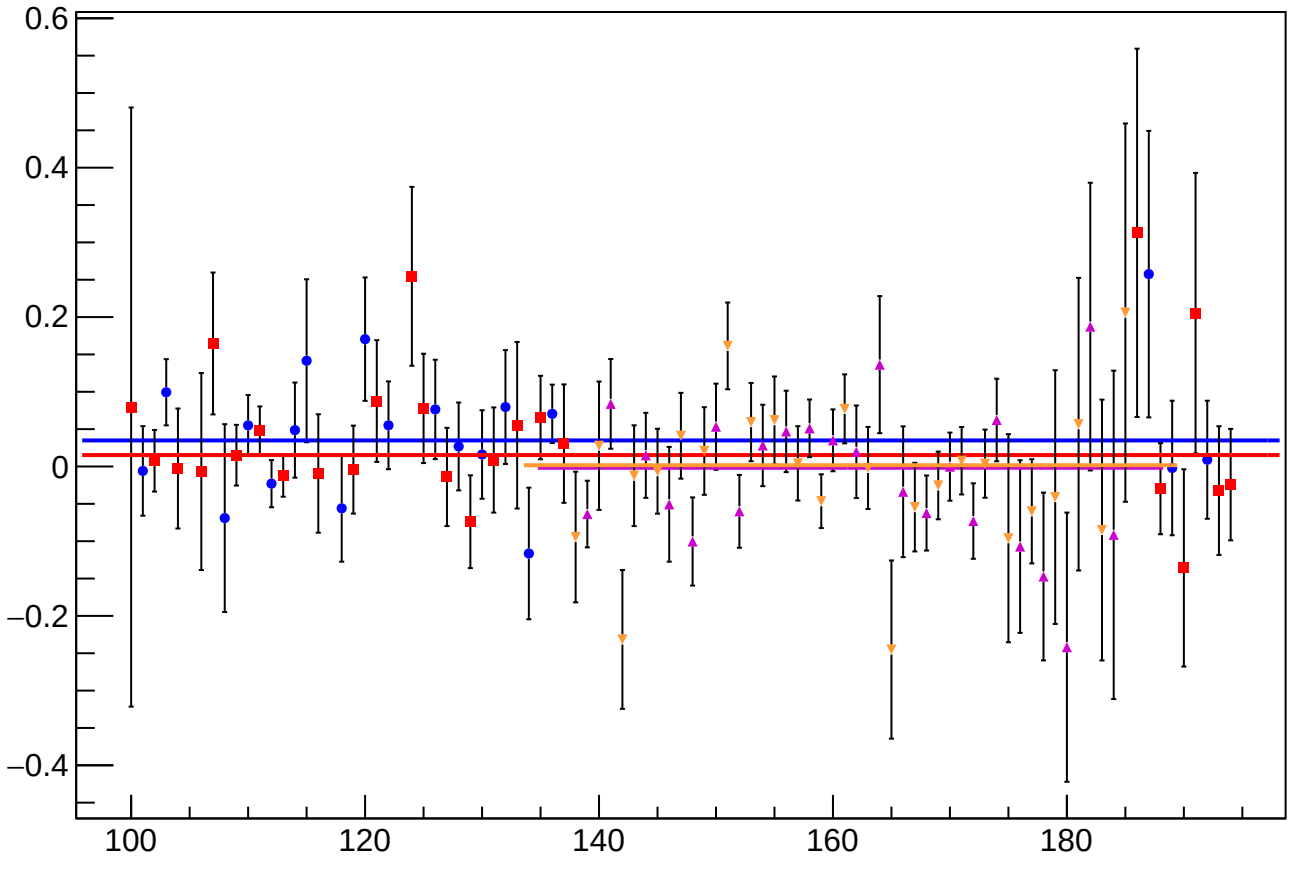
Right Out: 36.229+/-0.009 χ^2/NDF: 3715671.2/24

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 43.477+/-0.006 χ^2/NDF: 7146411.6/43

All: 42.883+/-0.004 χ^2/NDF: 14875570.6/91

- sign 42.330+/-0.006 χ^2/NDF: 7712641.5/47



Right In: 0.035+/-0.013 χ^2/NDF: 18.6/18

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

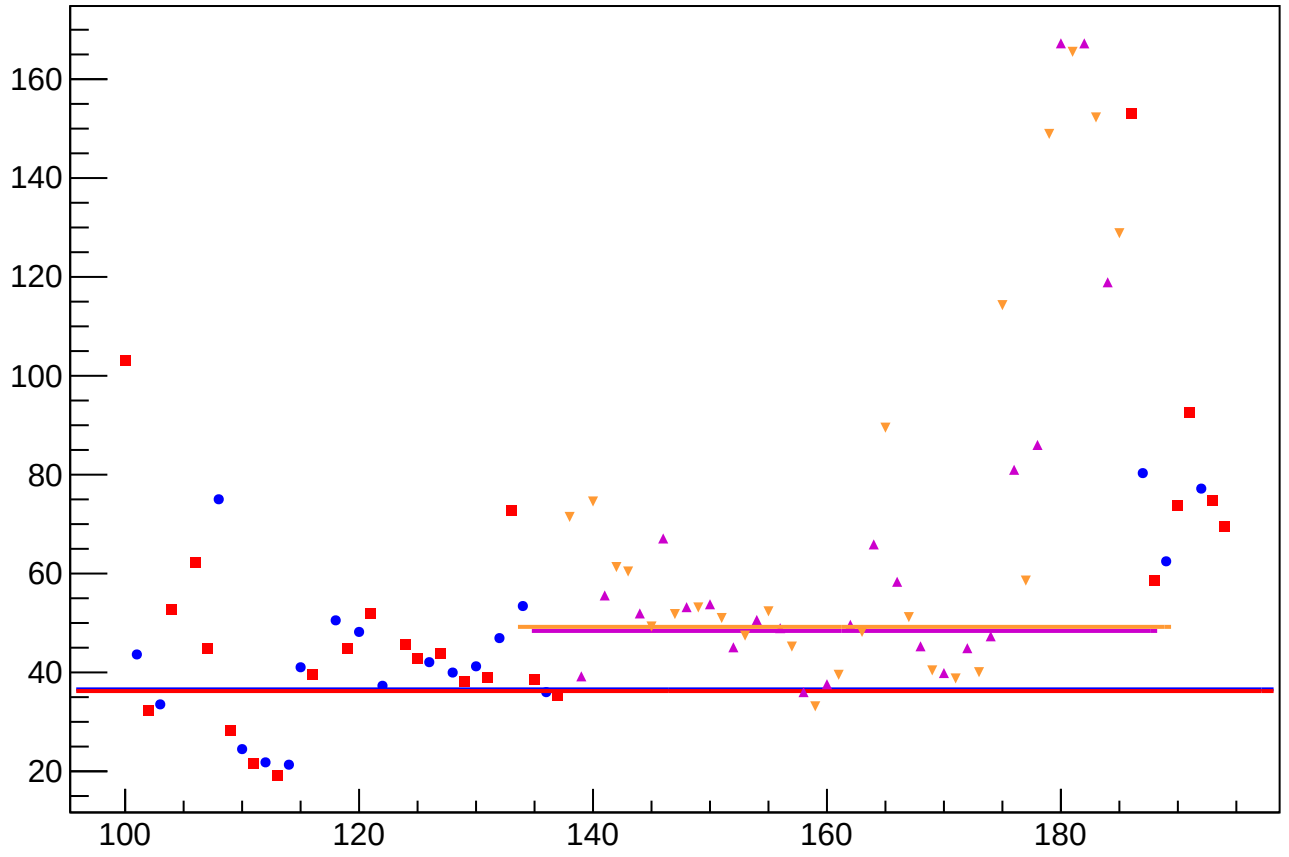
Right Out: 0.015+/-0.012 χ^2/NDF: 18.4/24

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

\+ sign 0.017+/-0.009 χ^2/NDF: 52.3/43

All: 0.012+/-0.006 χ^2/NDF: 98.3/91

\- sign 0.007+/-0.009 χ^2/NDF: 45.4/47



Right In: 36.569+/-0.010 χ^2/NDF: 2014836.9/18

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

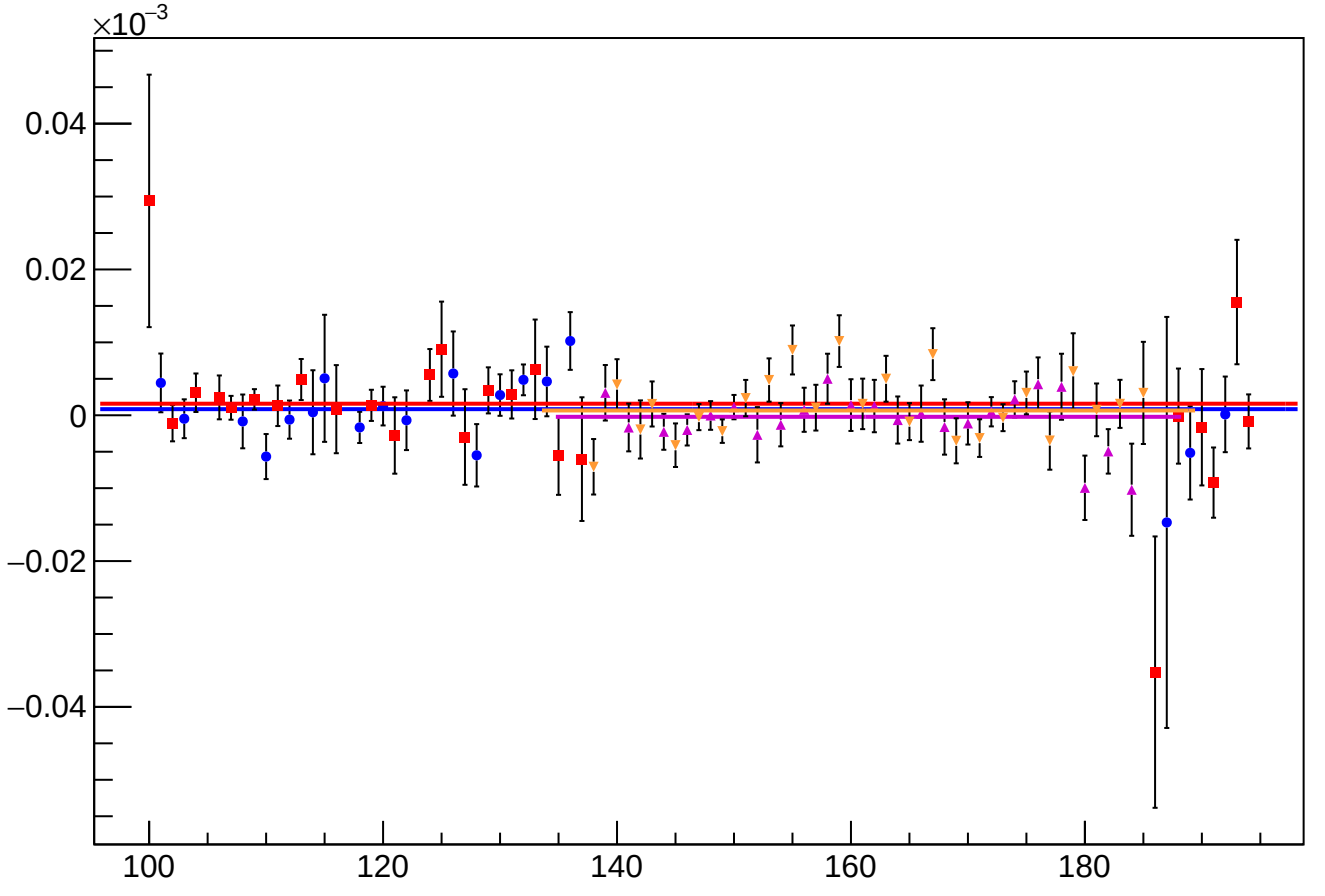
Right Out: 36.229+/-0.009 χ^2/NDF: 3715671.2/24

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 43.477+/-0.006 χ^2/NDF: 7146411.6/43

All: 42.883+/-0.004 χ^2/NDF: 14875570.6/91

- sign 42.330+/-0.006 χ^2/NDF: 7712641.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

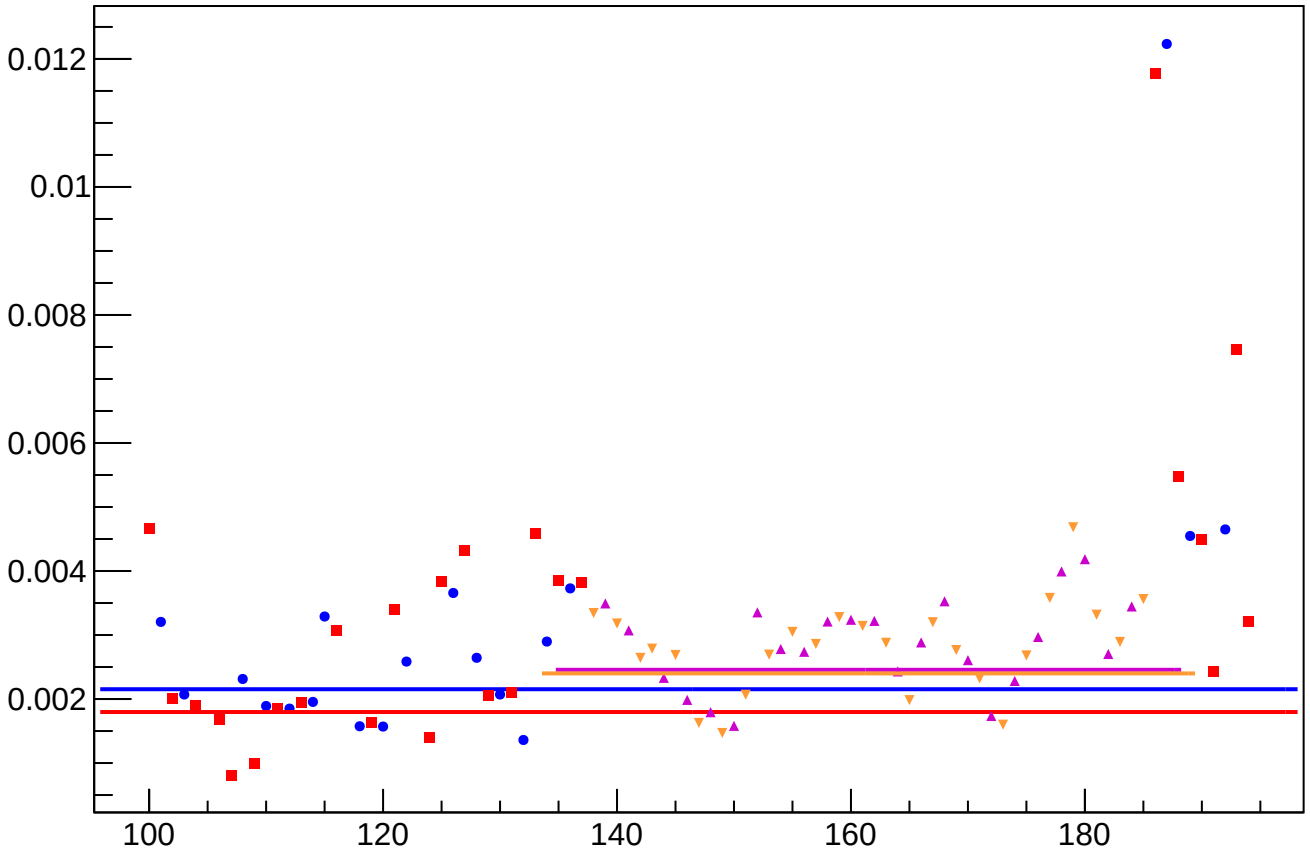
Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/24

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.9/43

All: 0.000+/-0.000 χ^2/NDF: 113.2/91

- sign 0.000+/-0.000 χ^2/NDF: 49.3/47



Right In: 0.002+/-0.000 χ^2/NDF: 2294331.5/18

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

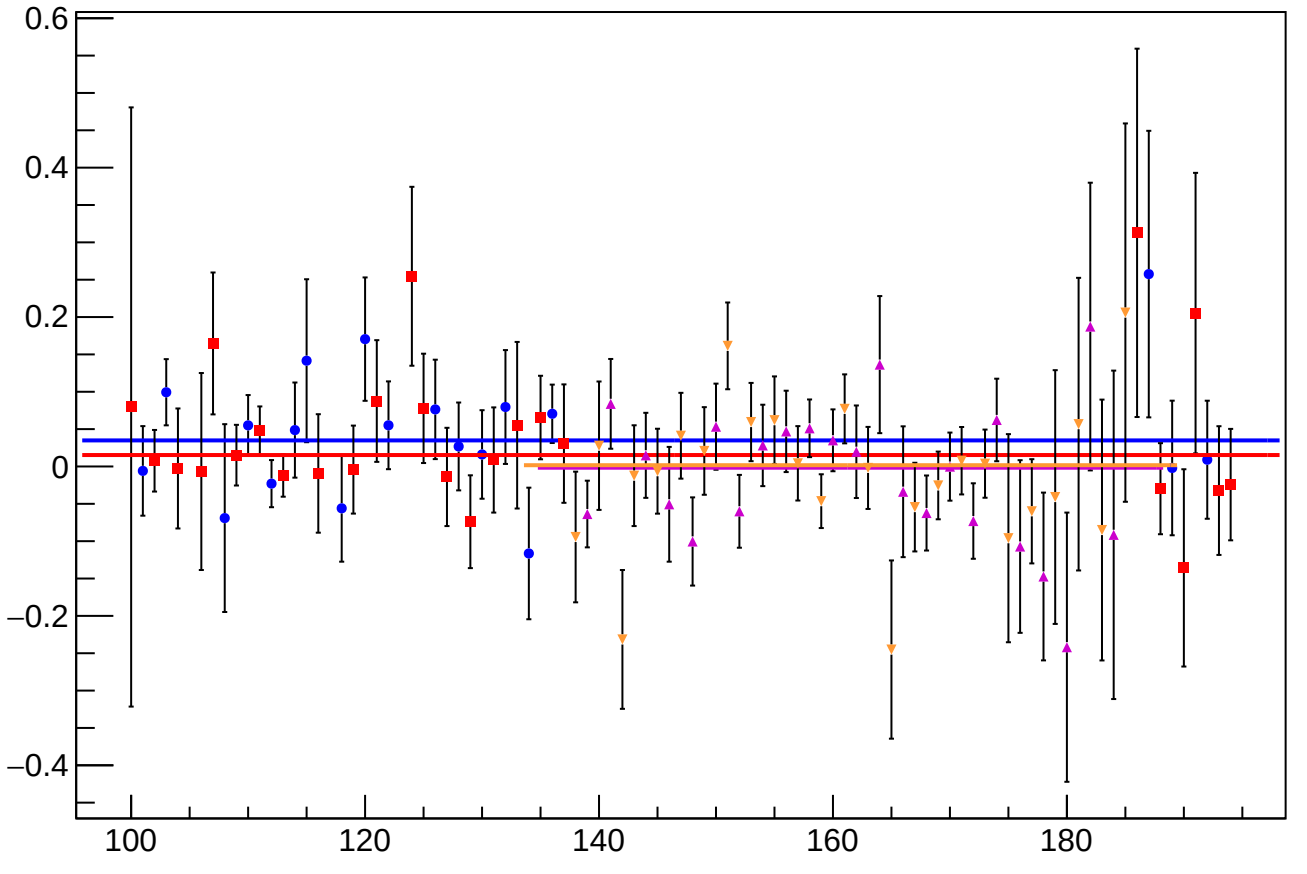
Right Out: 0.002+/-0.000 χ^2/NDF: 5698646.9/24

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 5545613.5/43

All: 0.002+/-0.000 χ^2/NDF: 15124613.6/91

- sign 0.002+/-0.000 χ^2/NDF: 9445941.0/47



Right In: 0.035+/-0.013 χ^2/NDF: 18.6/18

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

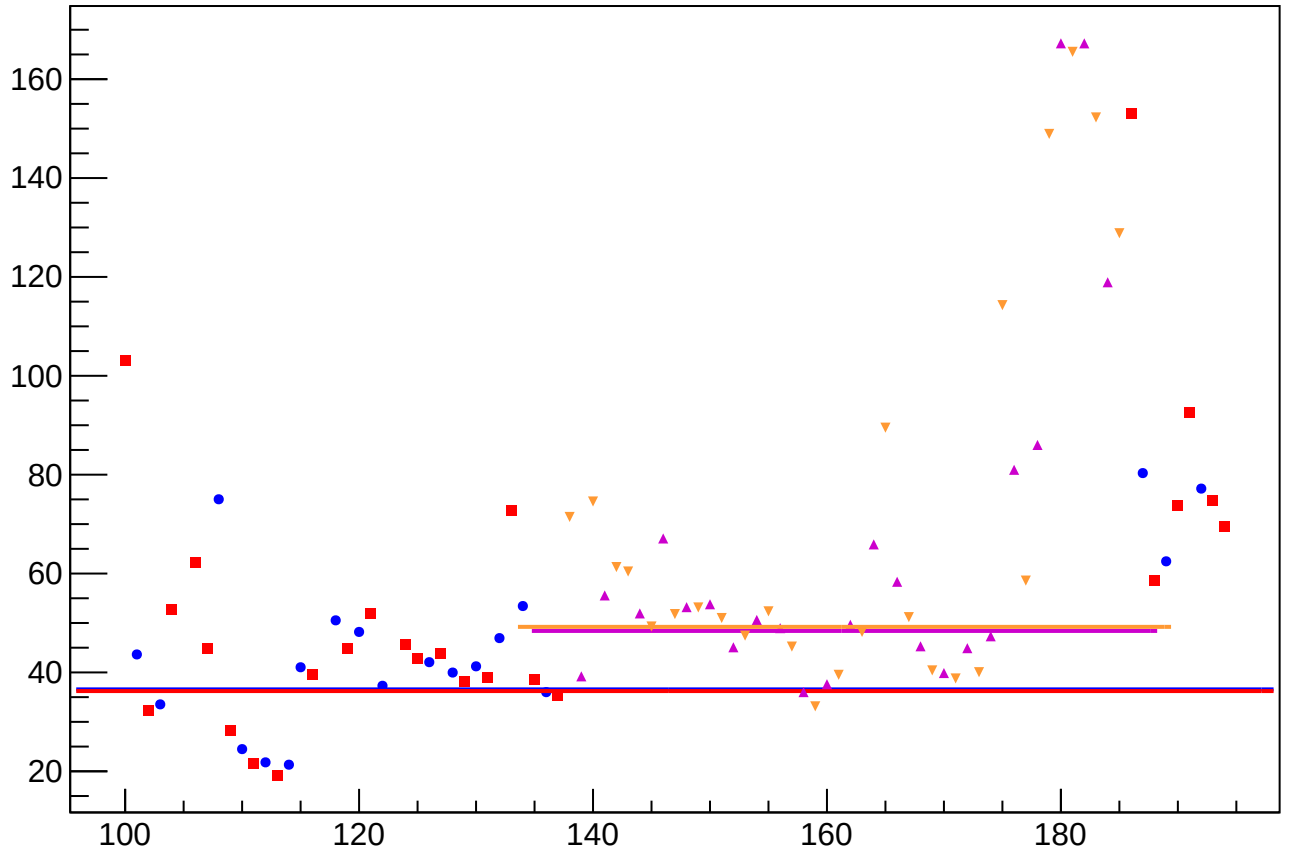
Right Out: 0.015+/-0.012 χ^2/NDF: 18.4/24

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

\+ sign 0.017+/-0.009 χ^2/NDF: 52.3/43

All: 0.012+/-0.006 χ^2/NDF: 98.3/91

\- sign 0.007+/-0.009 χ^2/NDF: 45.4/47



Right In: 36.569+/-0.010 χ^2/NDF: 2014769.9/18

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

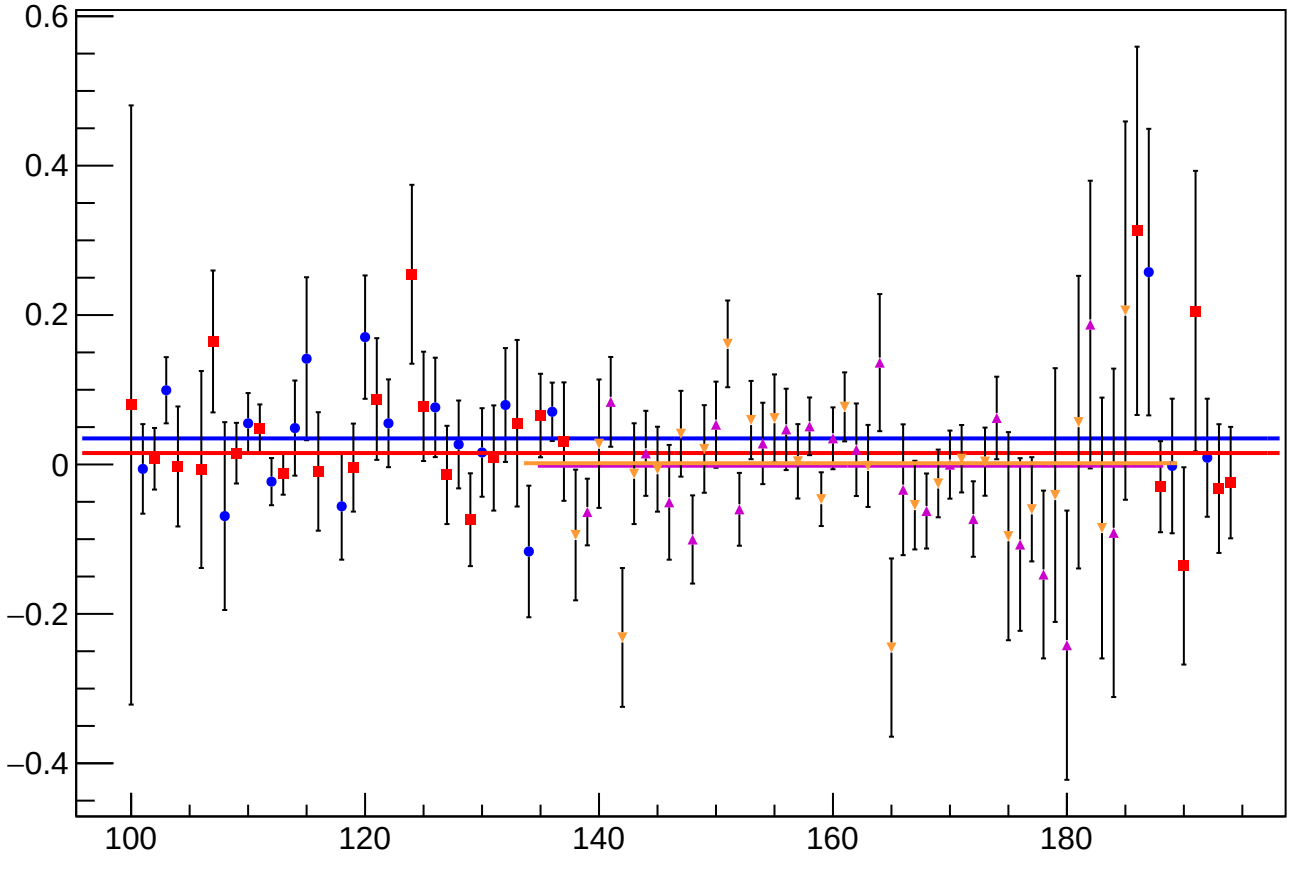
Right Out: 36.229+/-0.009 χ^2/NDF: 3715649.6/24

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 43.478+/-0.006 χ^2/NDF: 7146333.4/43

All: 42.883+/-0.004 χ^2/NDF: 14875435.6/91

- sign 42.331+/-0.006 χ^2/NDF: 7712586.2/47



Right In: 0.035+/-0.013 χ^2/NDF: 18.6/18

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

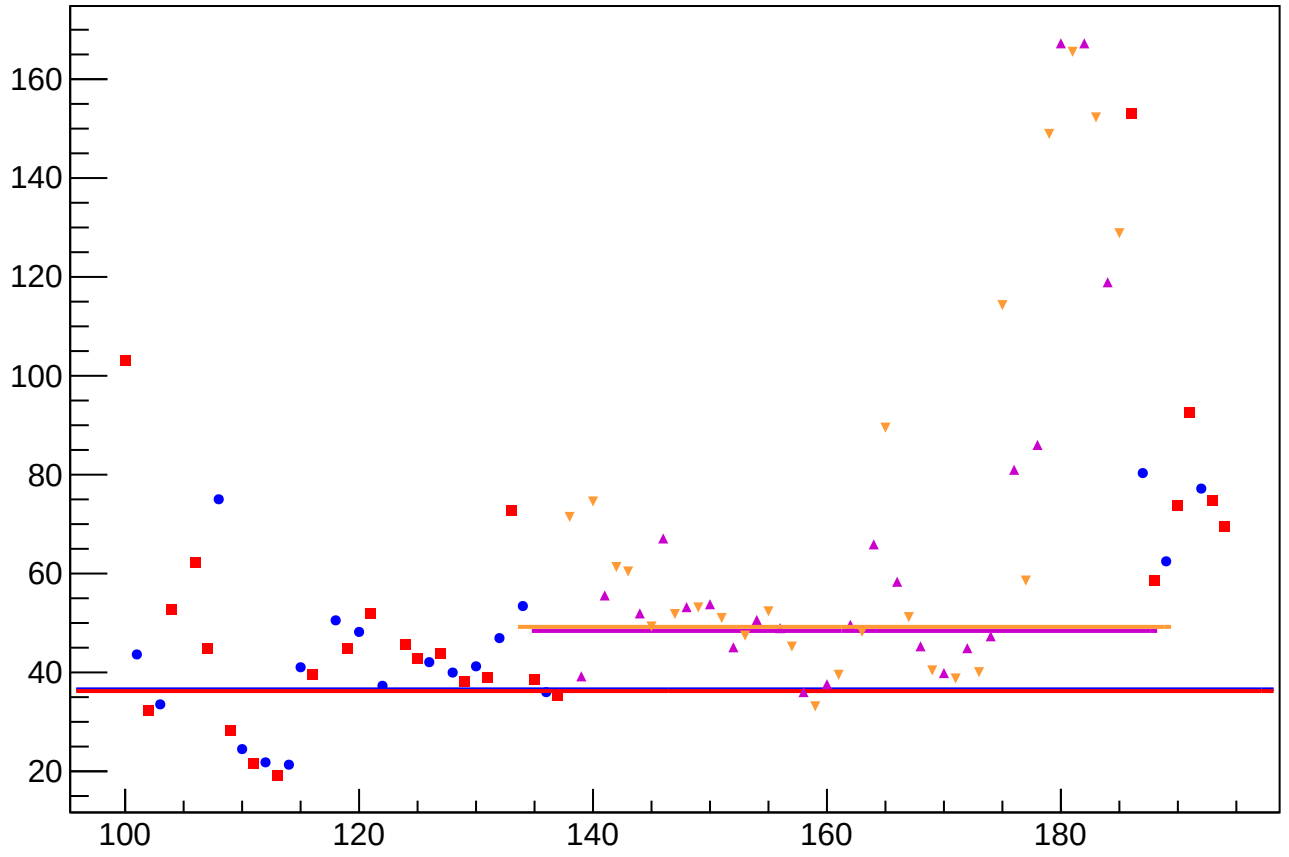
Right Out: 0.015+/-0.012 χ^2/NDF: 18.4/24

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.3/43

All: 0.012+/-0.006 χ^2/NDF: 98.3/91

- sign 0.007+/-0.009 χ^2/NDF: 45.4/47



Right In: 36.569+/-0.010 χ^2/NDF: 2014769.9/18

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

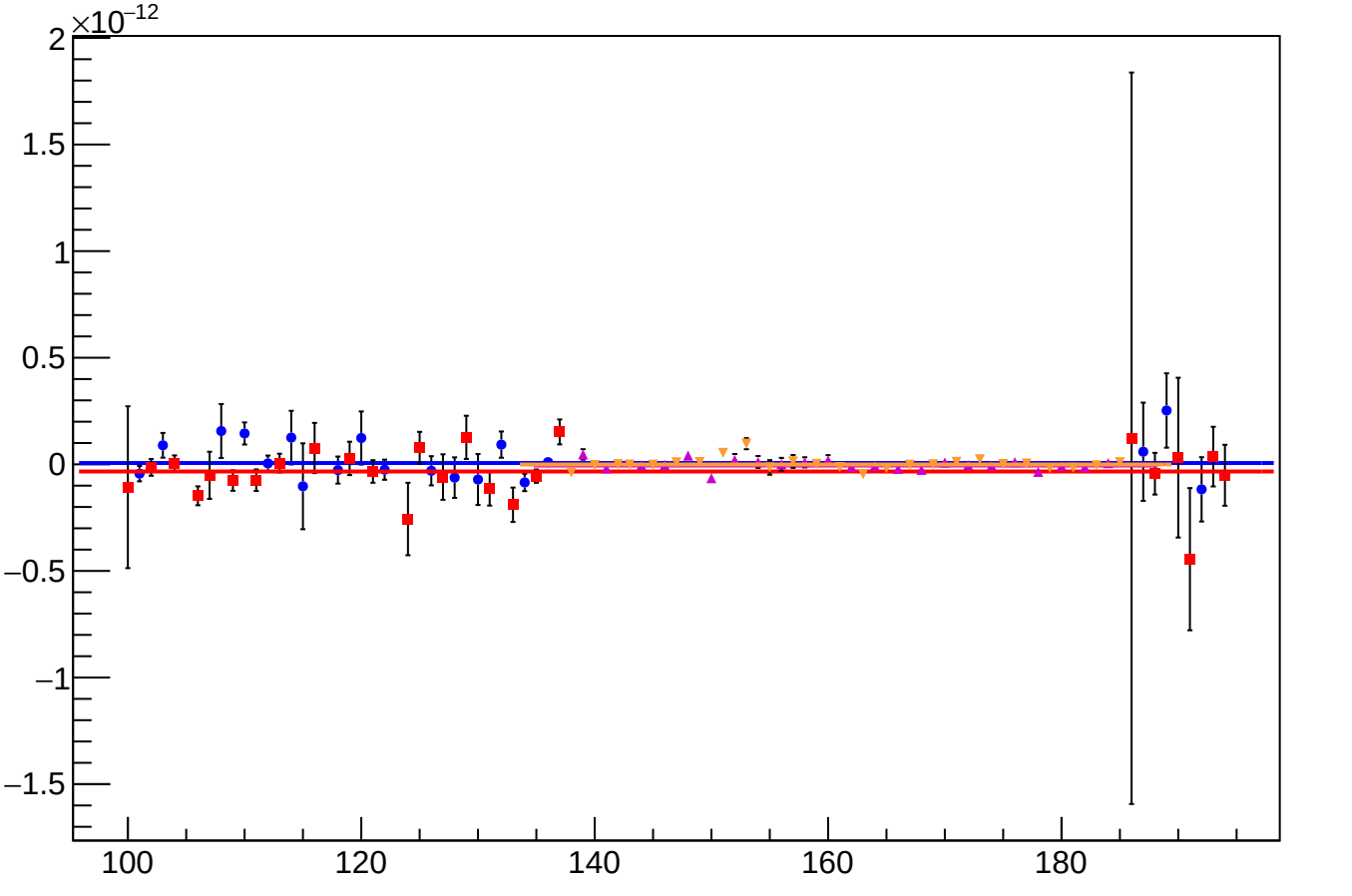
Right Out: 36.229+/-0.009 χ^2/NDF: 3715649.6/24

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 43.478+/-0.006 χ^2/NDF: 7146333.4/43

All: 42.883+/-0.004 χ^2/NDF: 14875435.6/91

- sign 42.331+/-0.006 χ^2/NDF: 7712586.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

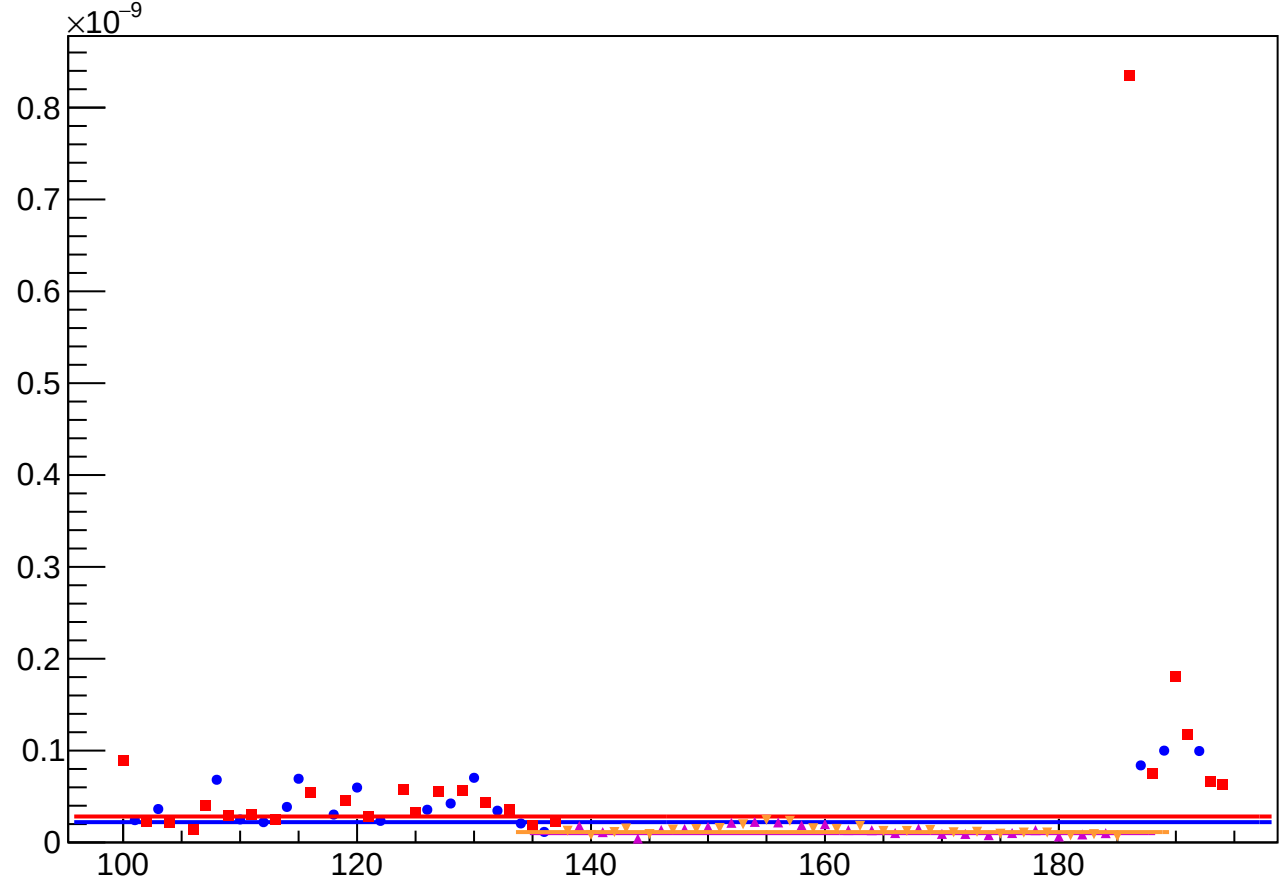
Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/24

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.6/43

All: -0.000+/-0.000 χ^2/NDF: 134.3/91

- sign -0.000+/-0.000 χ^2/NDF: 68.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 3164262.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2894641.6/24

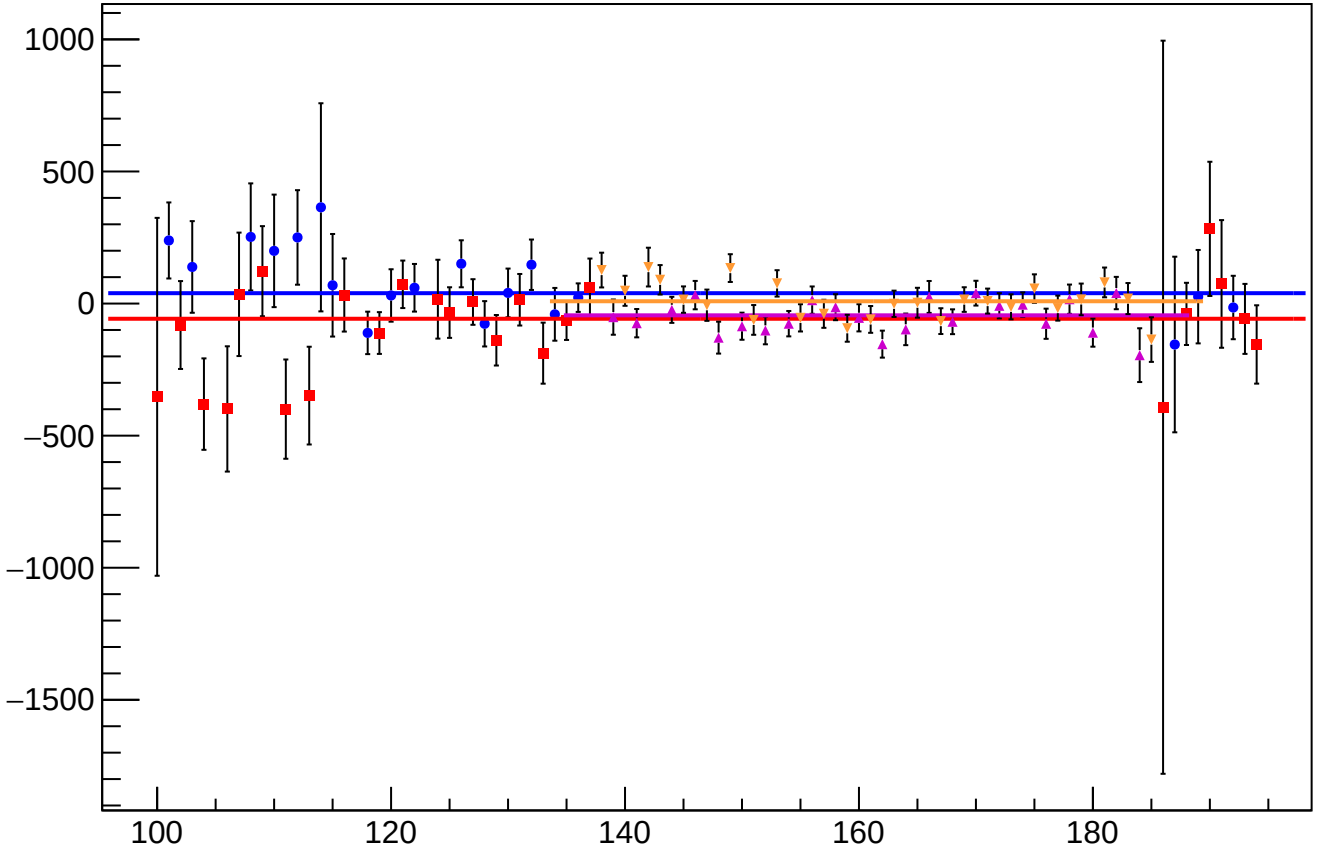
Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7046124.8/43

All: 0.000+/-0.000 χ^2/NDF: 17825459.4/91

- sign 0.000+/-0.000 χ^2/NDF: 10691156.7/47

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: -57.521+/-25.076 χ^2/NDF: 23.0/24

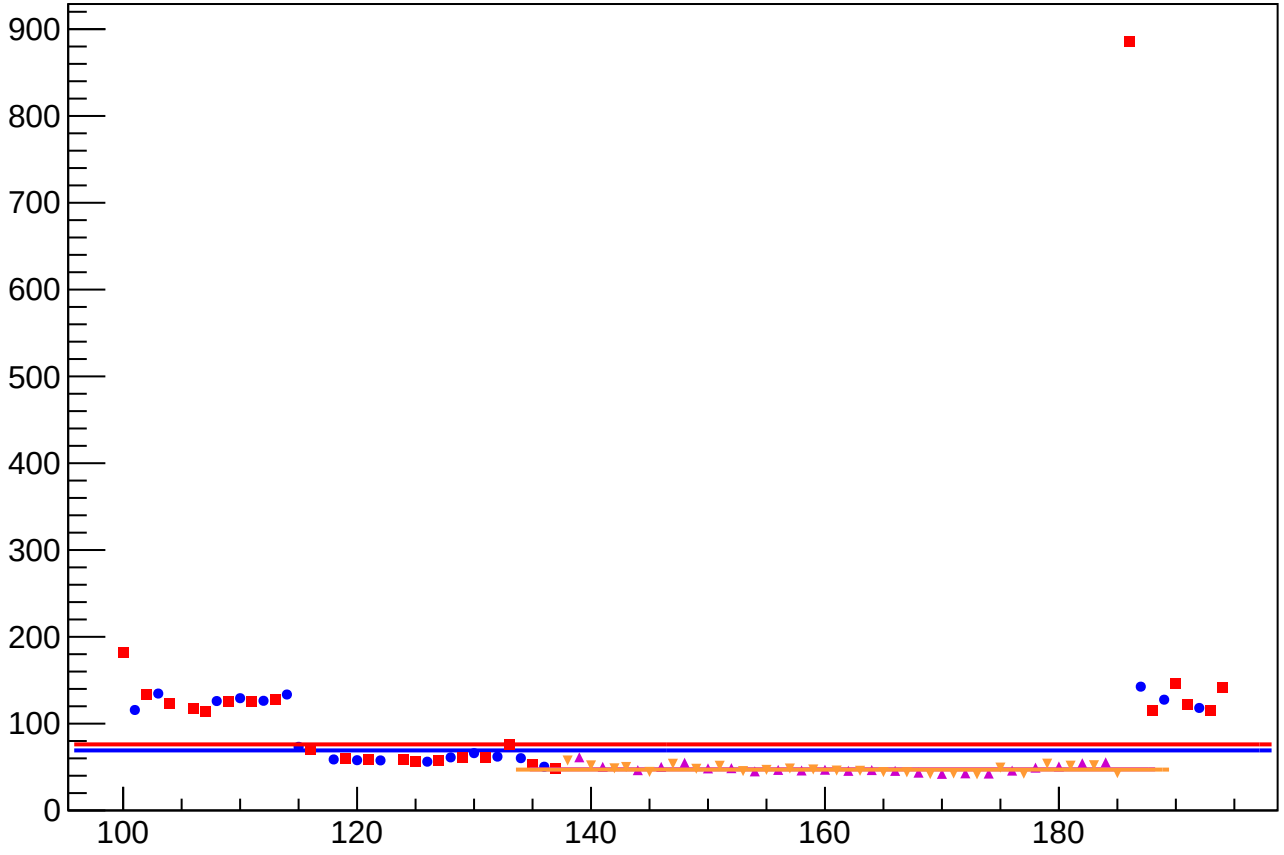
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 13.574+/-9.884 χ^2/NDF: 51.4/43

All: -15.644+/-7.094 χ^2/NDF: 119.7/91

- sign -46.683+/-10.187 χ^2/NDF: 50.3/47

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: 76.103+/-0.018 χ^2/NDF: 3480630.9/24

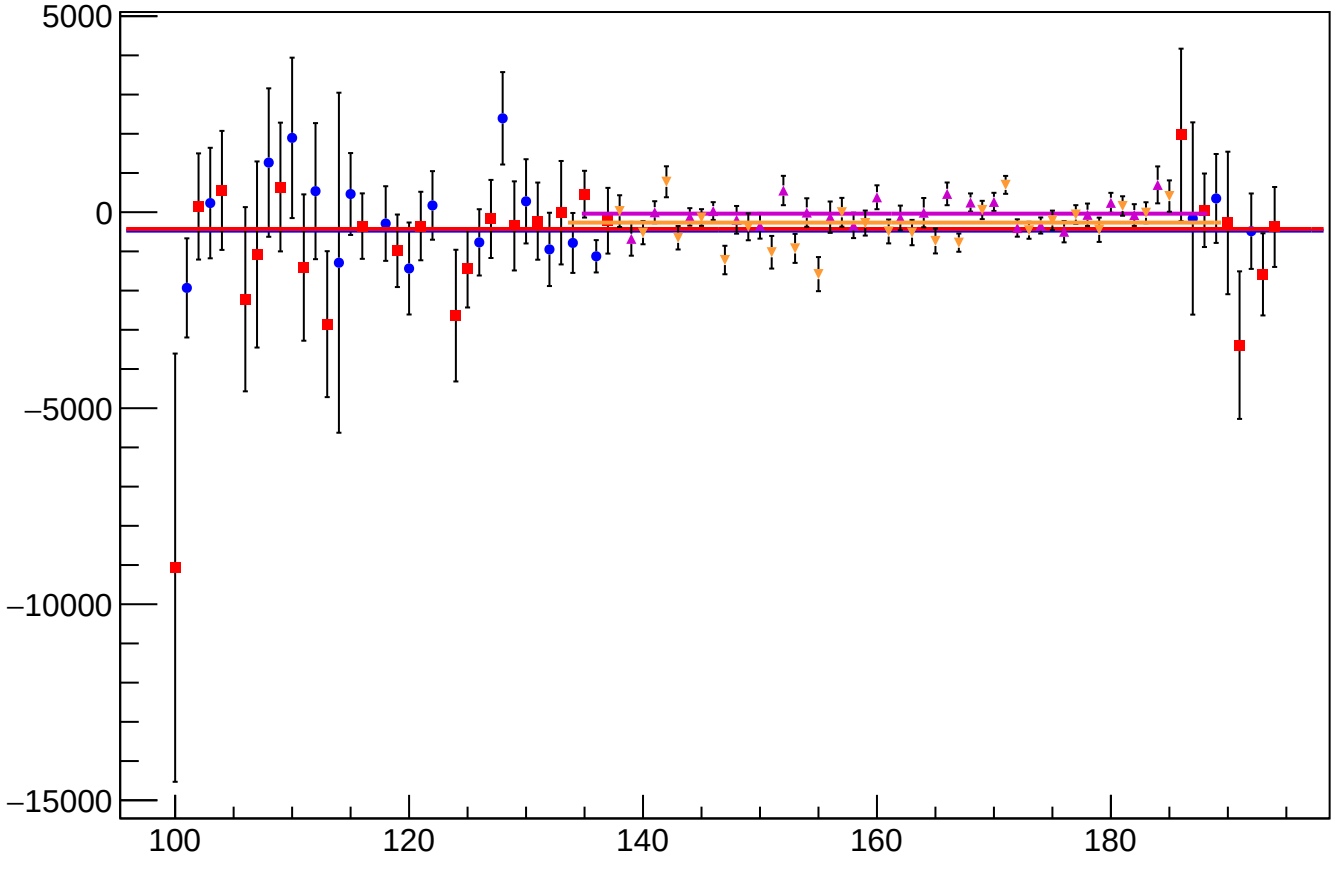
Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.549+/-0.007 χ^2/NDF: 3756645.4/43

All: 51.312+/-0.005 χ^2/NDF: 9723364.2/91

- sign 52.123+/-0.007 χ^2/NDF: 5942109.1/47

asym_sam_1526_avg_reg_correction_mean vs Slug



Right In: -470.124+/-224.530 χ^2/NDF: 16.2/18

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -428.608+/-229.341 χ^2/NDF: 16.9/24

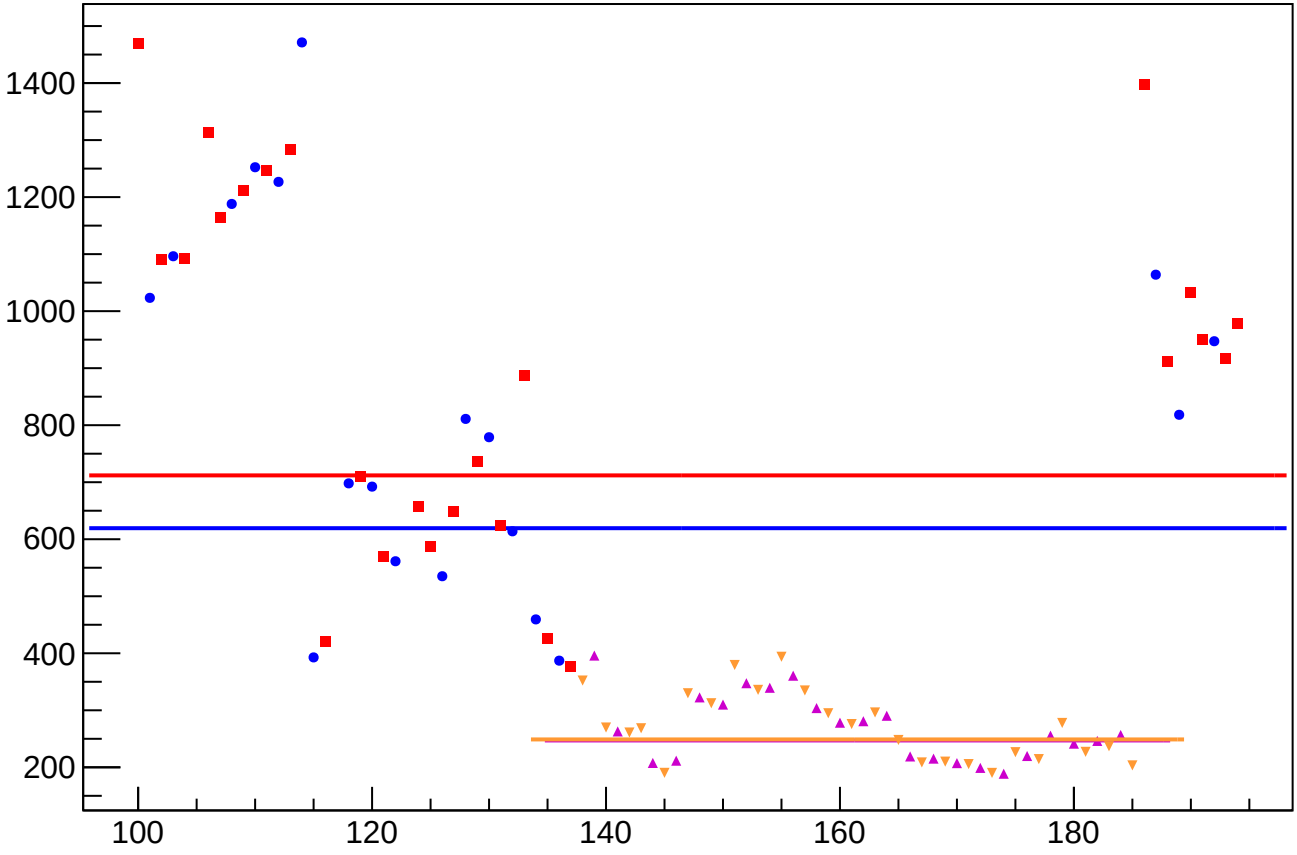
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -278.485+/-56.185 χ^2/NDF: 86.8/43

All: -172.305+/-40.112 χ^2/NDF: 140.3/91

- sign -61.929+/-57.284 χ^2/NDF: 46.3/47

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: 711.968+/-0.162 χ^2/NDF: 2824401.5/24

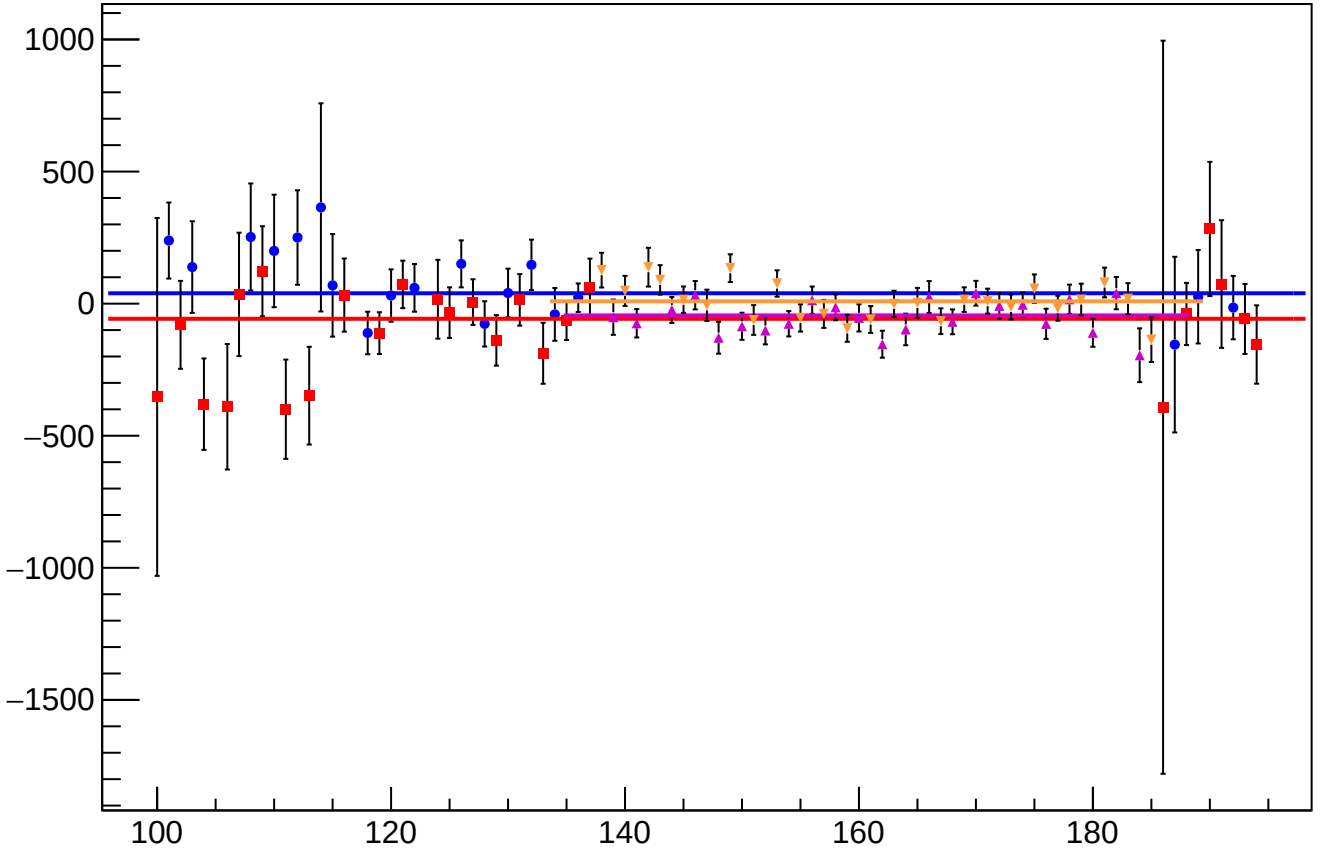
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 272.089+/-0.040 χ^2/NDF: 9218652.4/43

All: 274.061+/-0.028 χ^2/NDF: 21236821.7/91

- sign 276.111+/-0.041 χ^2/NDF: 12013143.6/47

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: -57.389+/-25.077 χ^2/NDF: 22.9/24

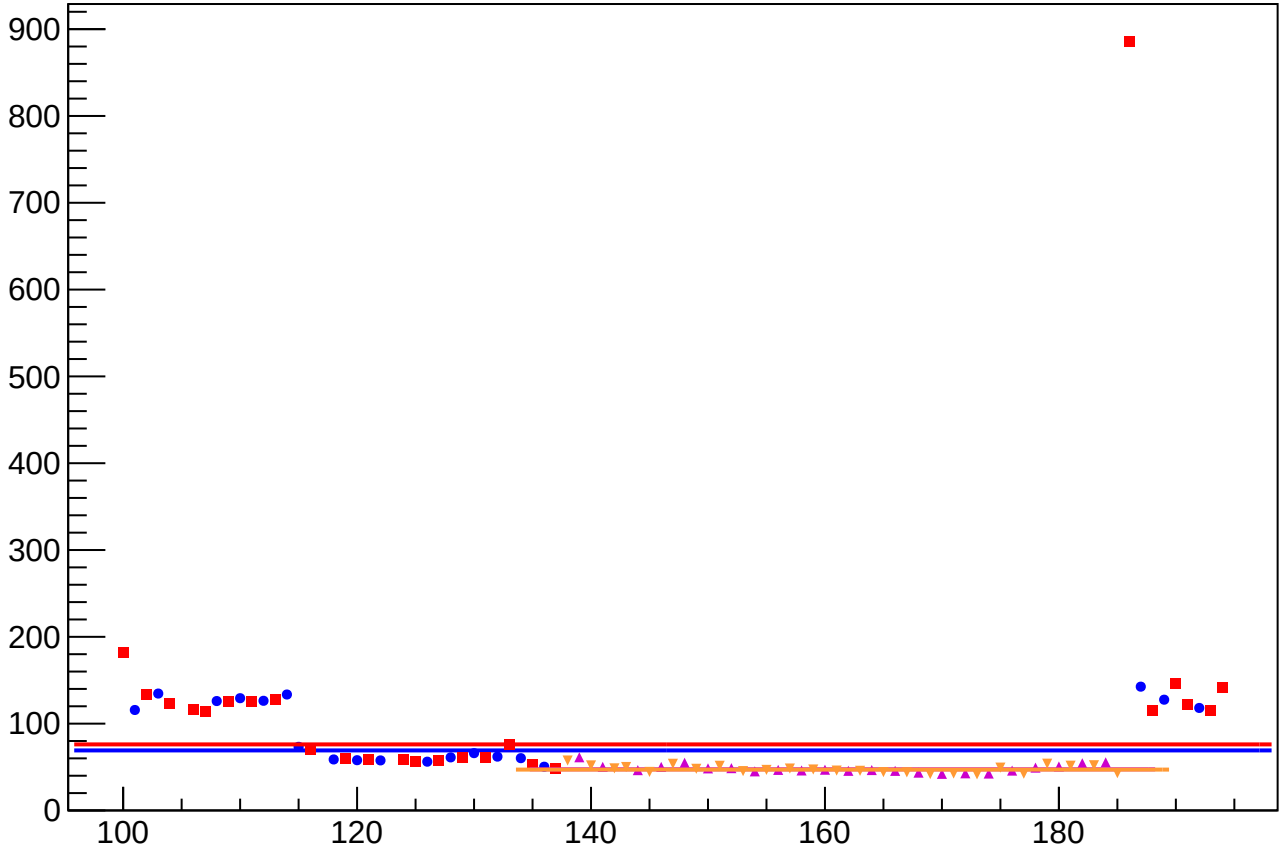
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.575+/-9.884 χ^2/NDF: 51.4/43

All: -15.632+/-7.094 χ^2/NDF: 119.6/91

- sign -46.661+/-10.187 χ^2/NDF: 50.1/47

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

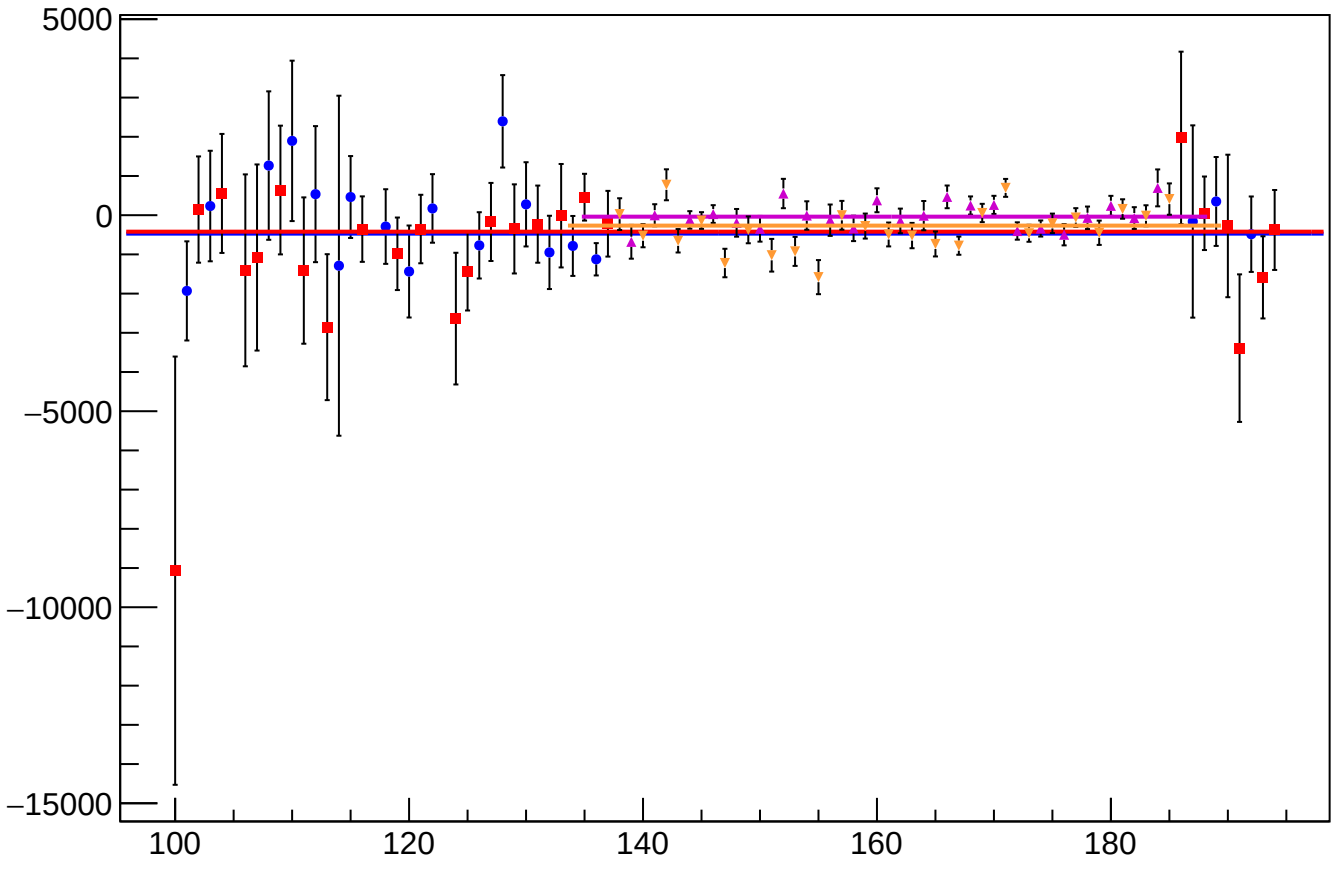
Right Out: 76.091+/-0.018 χ^2/NDF: 3477873.8/24

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.549+/-0.007 χ^2/NDF: 3756647.4/43

All: 51.311+/-0.005 χ^2/NDF: 9718593.6/91

- sign 52.121+/-0.007 χ^2/NDF: 5937405.5/47



Right In: -470.108+/-224.530 χ^2/NDF: 16.2/18

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -420.201+/-229.431 χ^2/NDF: 16.5/24

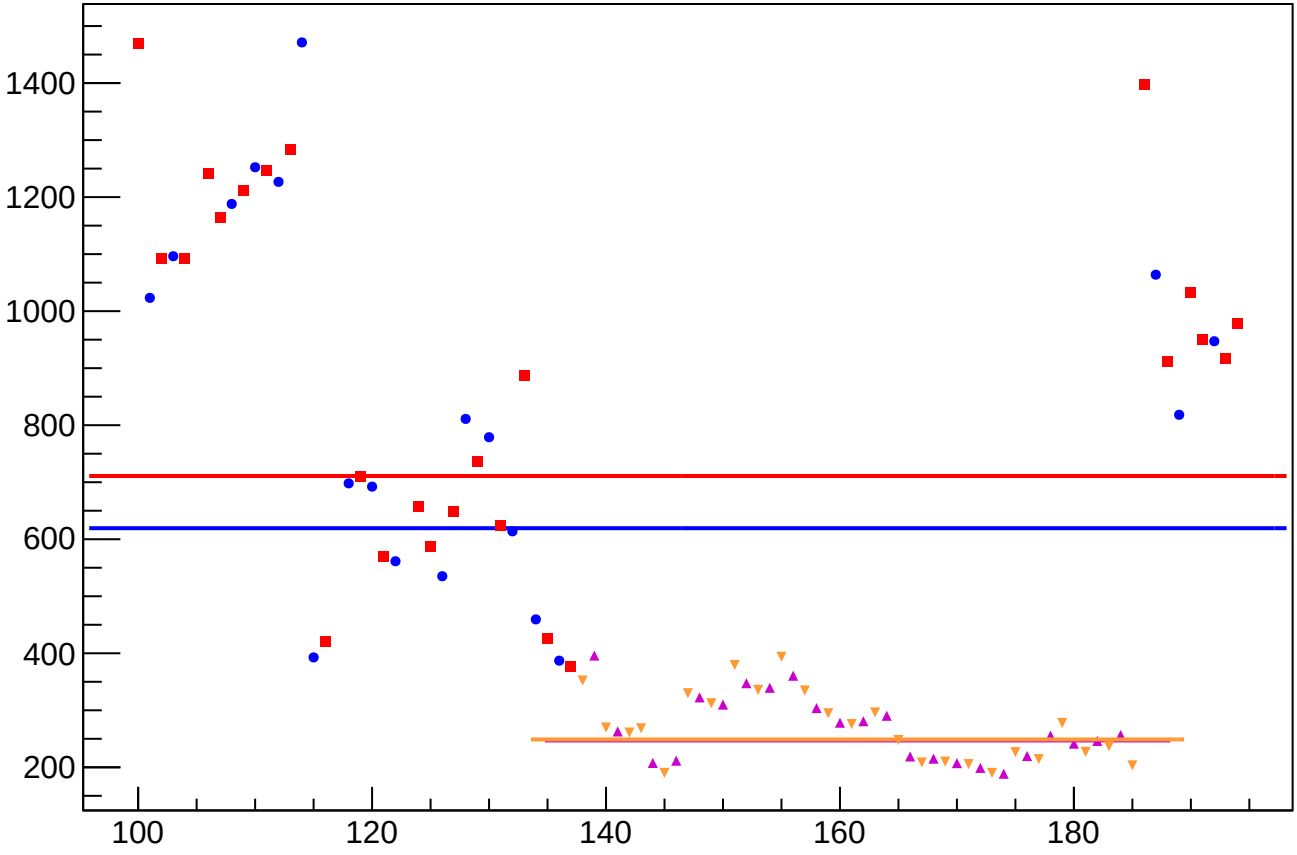
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -278.481+/-56.185 χ^2/NDF: 86.8/43

All: -172.038+/-40.112 χ^2/NDF: 139.8/91

- sign -61.384+/-57.286 χ^2/NDF: 45.7/47

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: 710.892+/-0.162 χ^2/NDF: 2787339.7/24

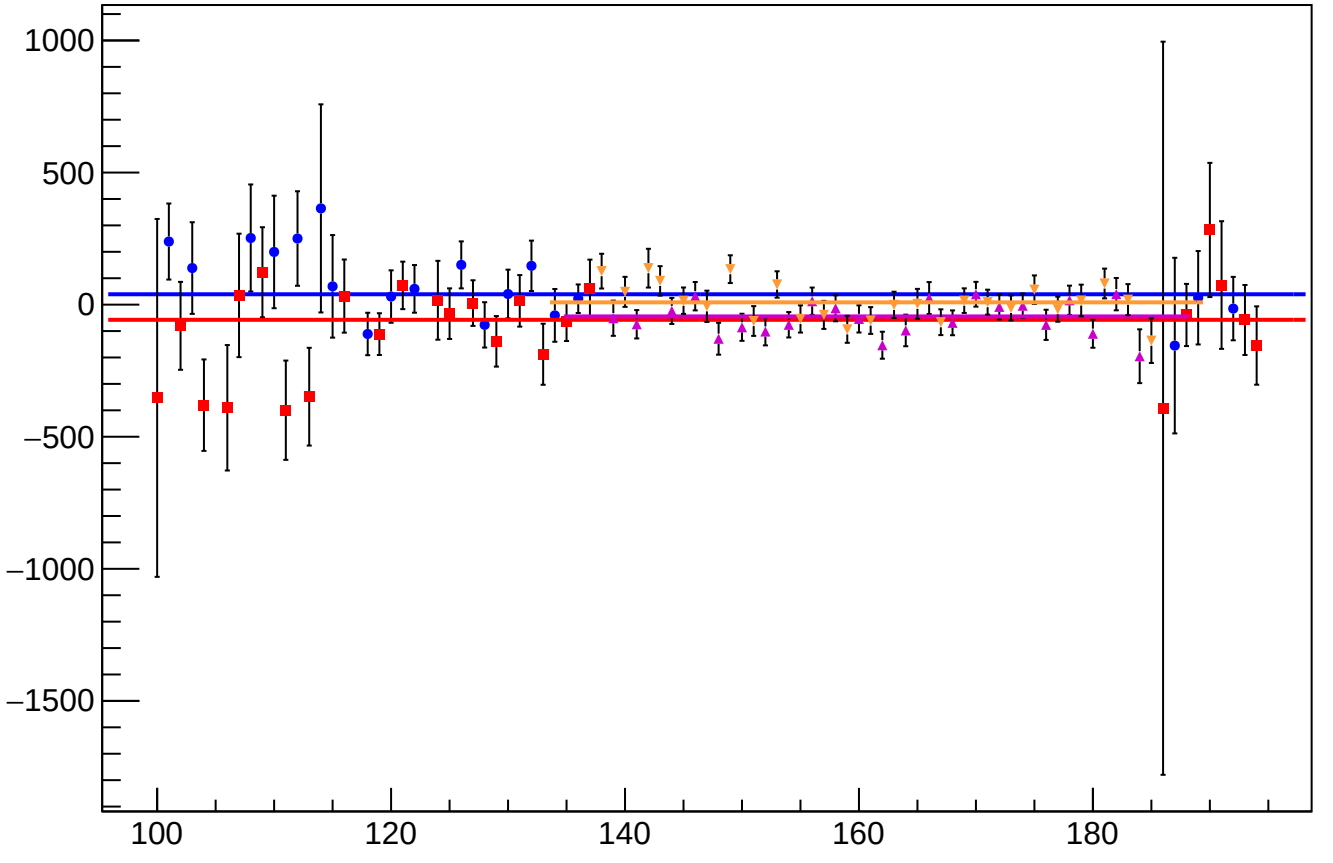
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 272.089+/-0.040 χ^2/NDF: 9218686.0/43

All: 274.018+/-0.028 χ^2/NDF: 21158267.9/91

- sign 276.023+/-0.041 χ^2/NDF: 11934774.3/47

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: -57.389+/-25.077 χ^2/NDF: 22.9/24

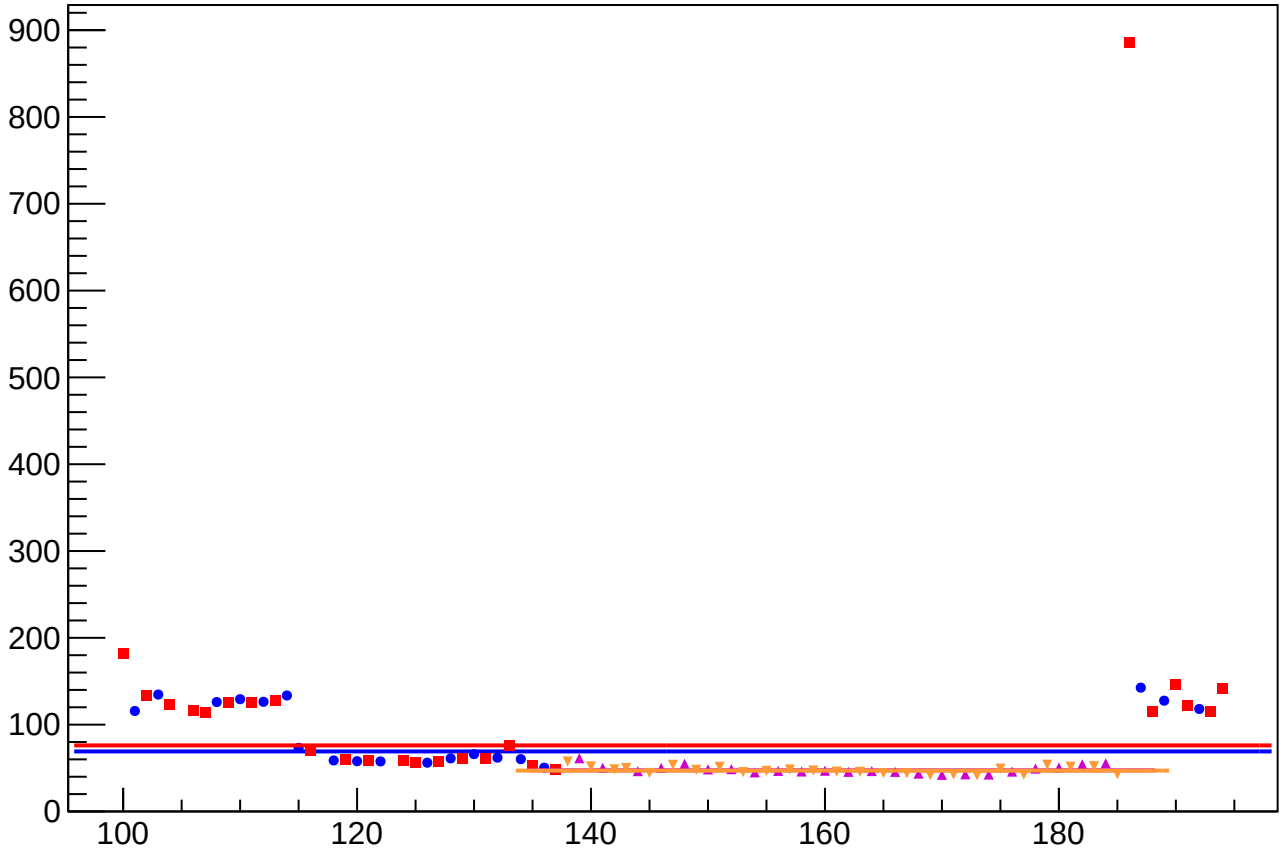
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.575+/-9.884 χ^2/NDF: 51.4/43

All: -15.632+/-7.094 χ^2/NDF: 119.6/91

- sign -46.661+/-10.187 χ^2/NDF: 50.1/47

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

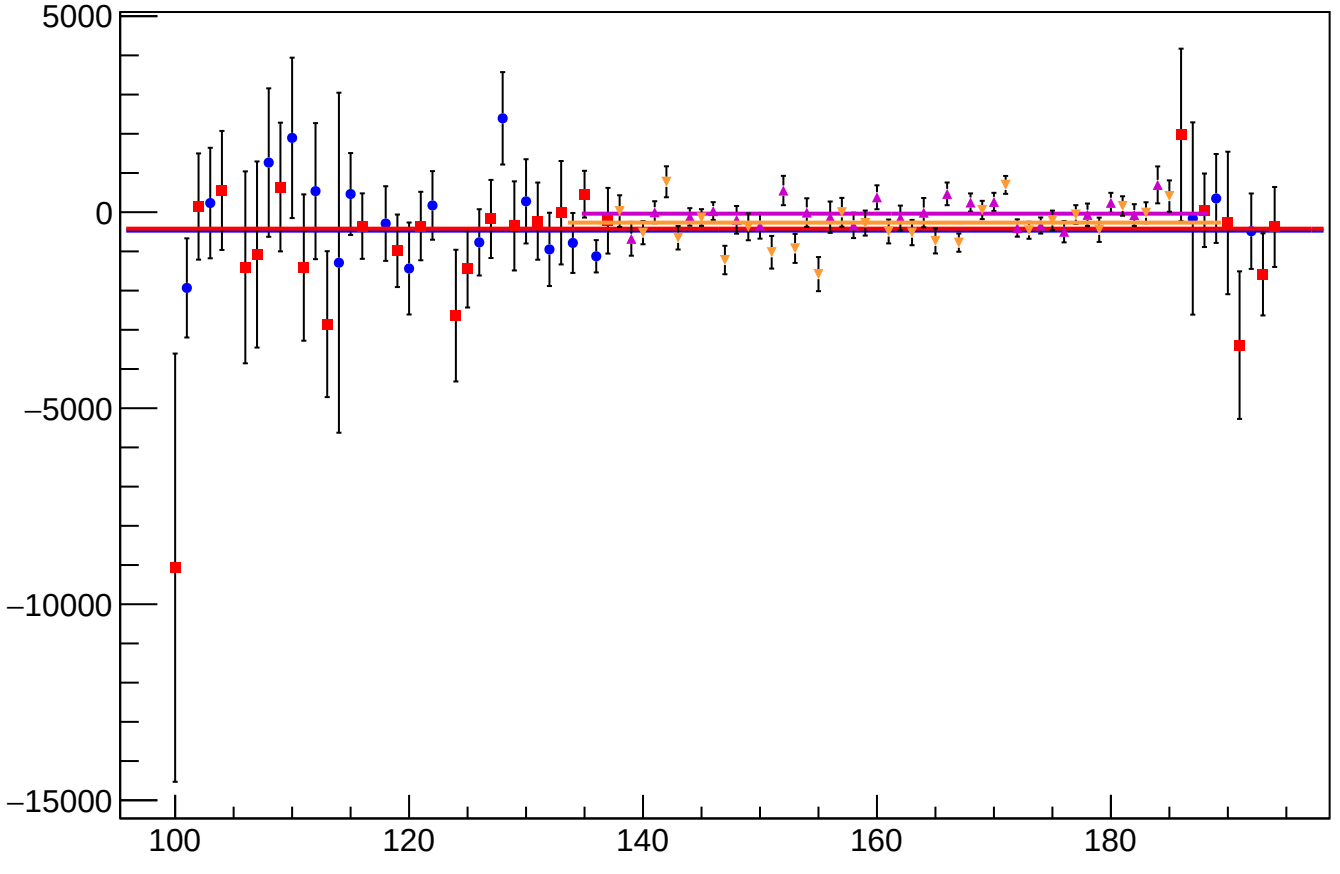
Right Out: 76.091+/-0.018 χ^2/NDF: 3477873.8/24

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 50.549+/-0.007 χ^2/NDF: 3756647.4/43

All: 51.311+/-0.005 χ^2/NDF: 9718593.6/91

- sign 52.121+/-0.007 χ^2/NDF: 5937405.5/47



Right In: -470.108+/-224.530 χ^2/NDF: 16.2/18

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

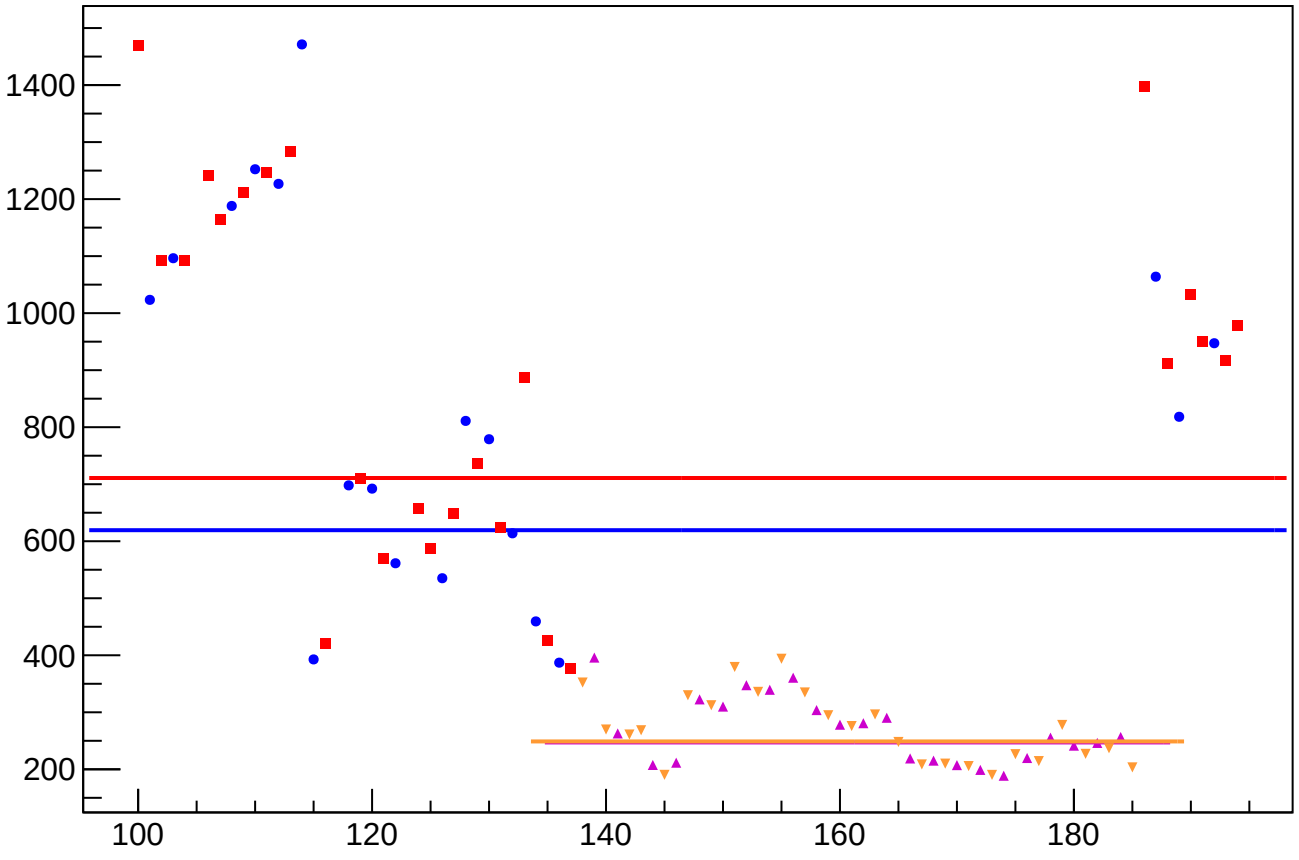
Right Out: -420.201+/-229.431 χ^2/NDF: 16.5/24

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -278.481+/-56.185 χ^2/NDF: 86.8/43

All: -172.038+/-40.112 χ^2/NDF: 139.8/91

- sign -61.384+/-57.286 χ^2/NDF: 45.7/47



Right In: 619.366+/-0.159 χ^2/NDF: 2450881.9/18

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 710.892+/-0.162 χ^2/NDF: 2787339.7/24

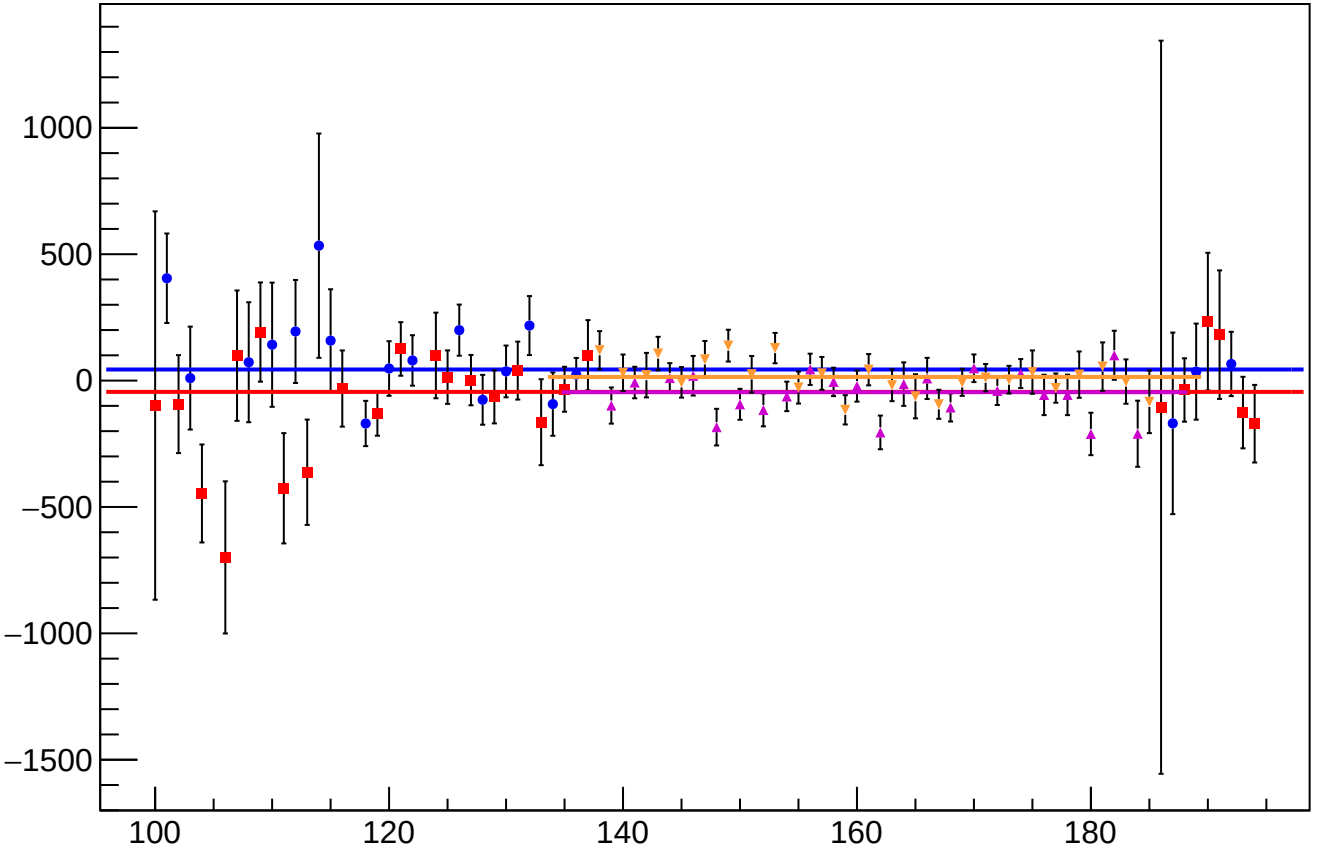
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 272.089+/-0.040 χ^2/NDF: 9218686.0/43

All: 274.018+/-0.028 χ^2/NDF: 21158267.9/91

- sign 276.023+/-0.041 χ^2/NDF: 11934774.3/47

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: -44.599+/-28.753 χ^2/NDF: 26.1/24

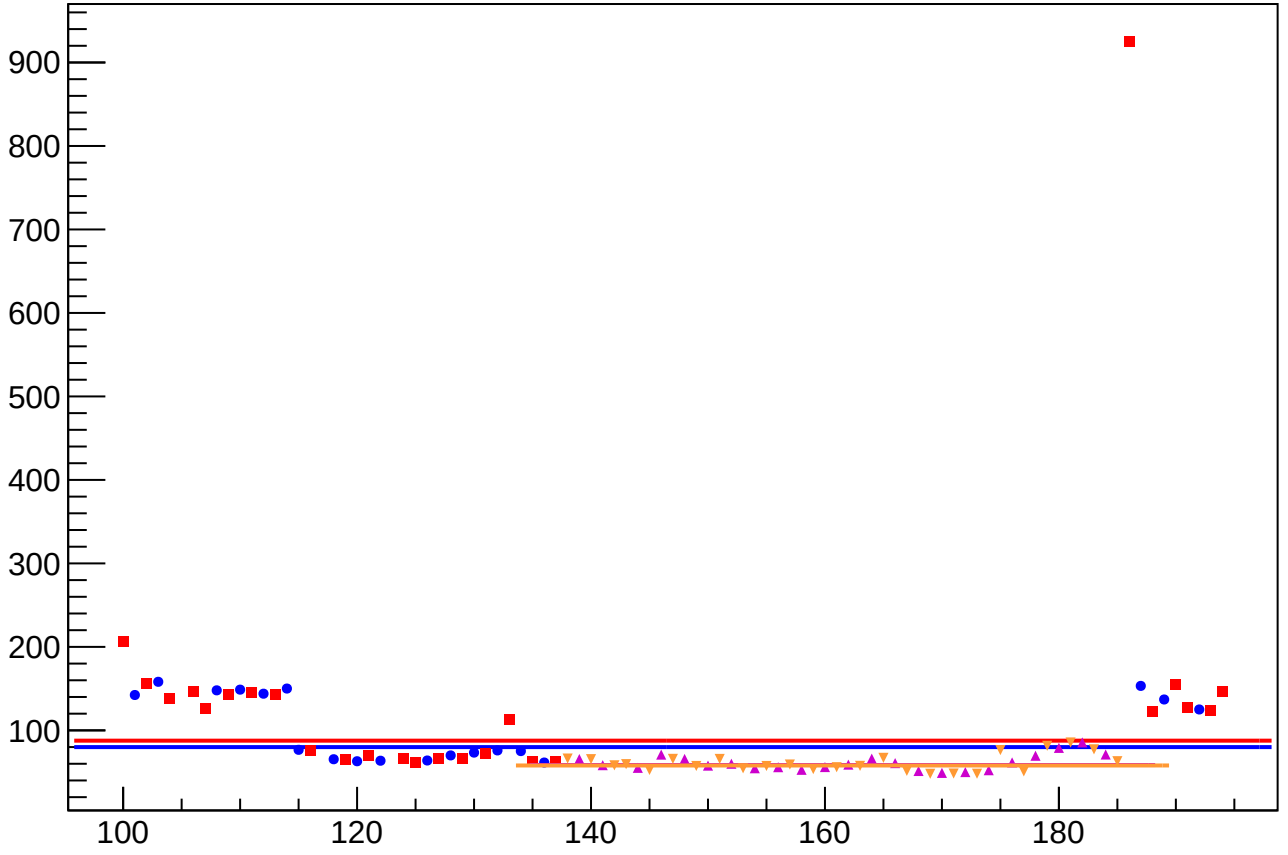
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 19.801+/-12.181 χ^2/NDF: 45.4/43

All: -11.946+/-8.736 χ^2/NDF: 116.2/91

- sign -45.577+/-12.537 χ^2/NDF: 56.9/47

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: 87.673+/-0.020 χ^2/NDF: 3234358.8/24

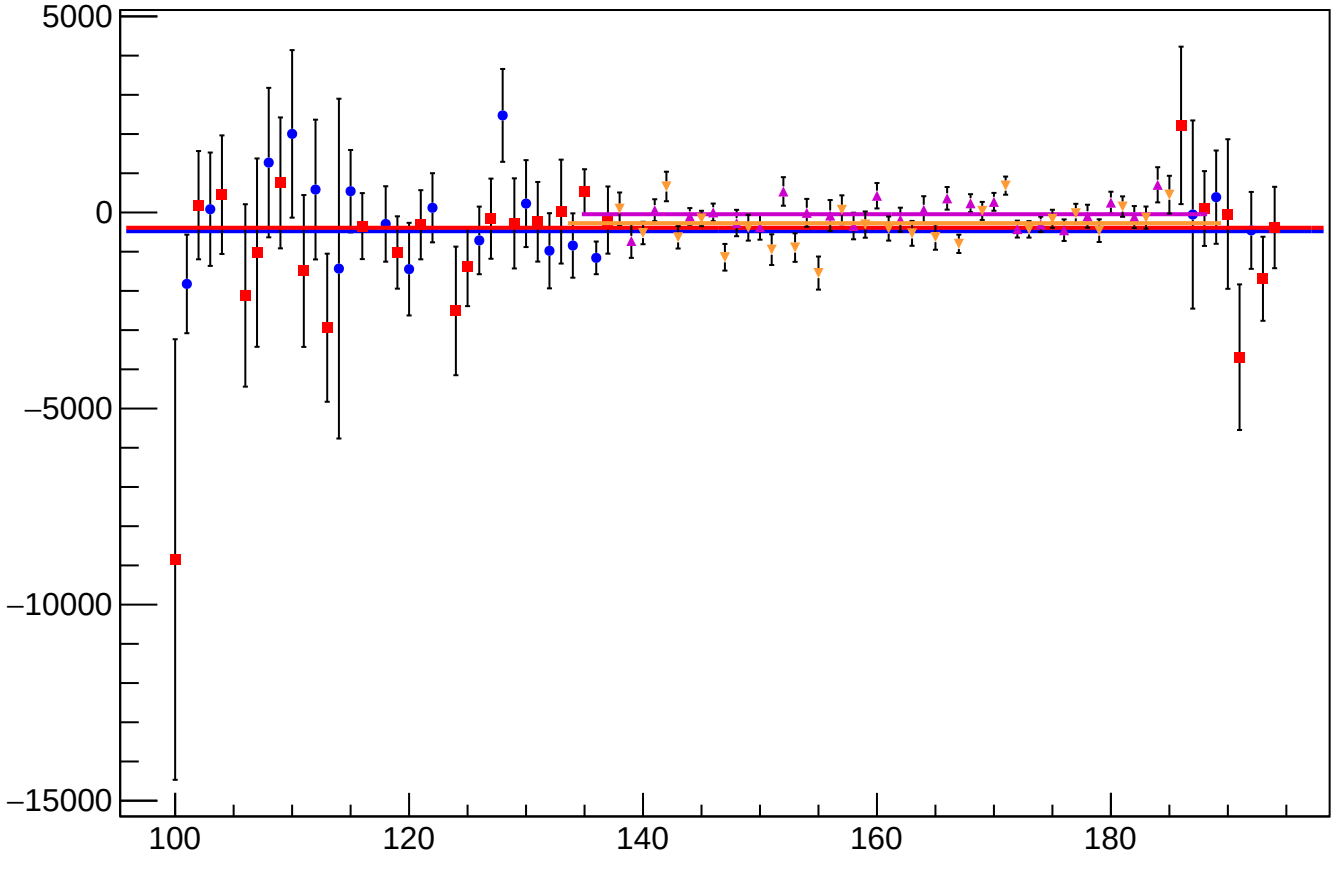
Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 61.930+/-0.009 χ^2/NDF: 3884052.3/43

All: 62.950+/-0.006 χ^2/NDF: 9466972.3/91

- sign 64.029+/-0.009 χ^2/NDF: 5554082.4/47

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: -389.551+/-230.045 χ^2/NDF: 18.6/24

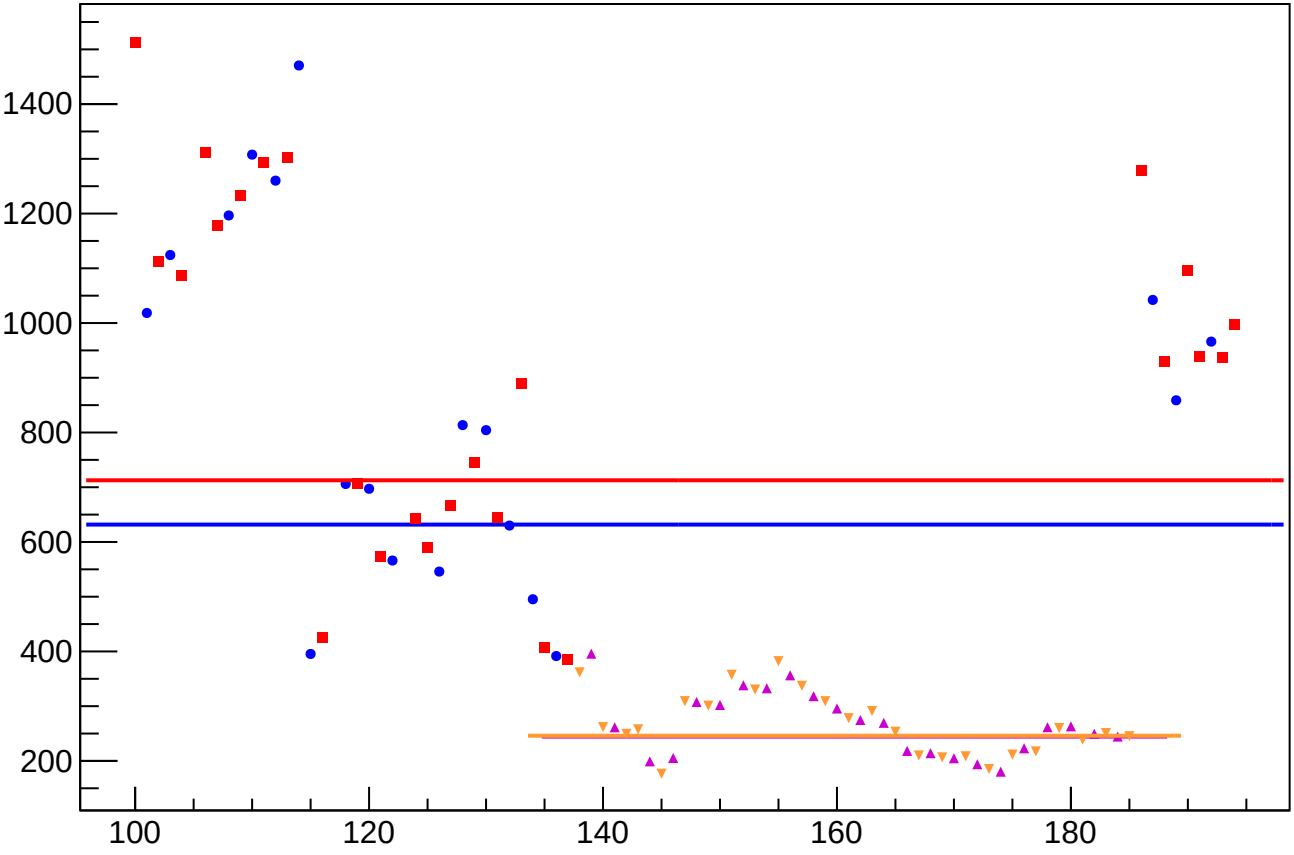
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -284.620+/-55.561 χ^2/NDF: 82.9/43

All: -177.517+/-39.718 χ^2/NDF: 137.7/91

- sign -65.585+/-56.800 χ^2/NDF: 47.2/47

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: 712.682+/-0.163 χ^2/NDF: 2950973.4/24

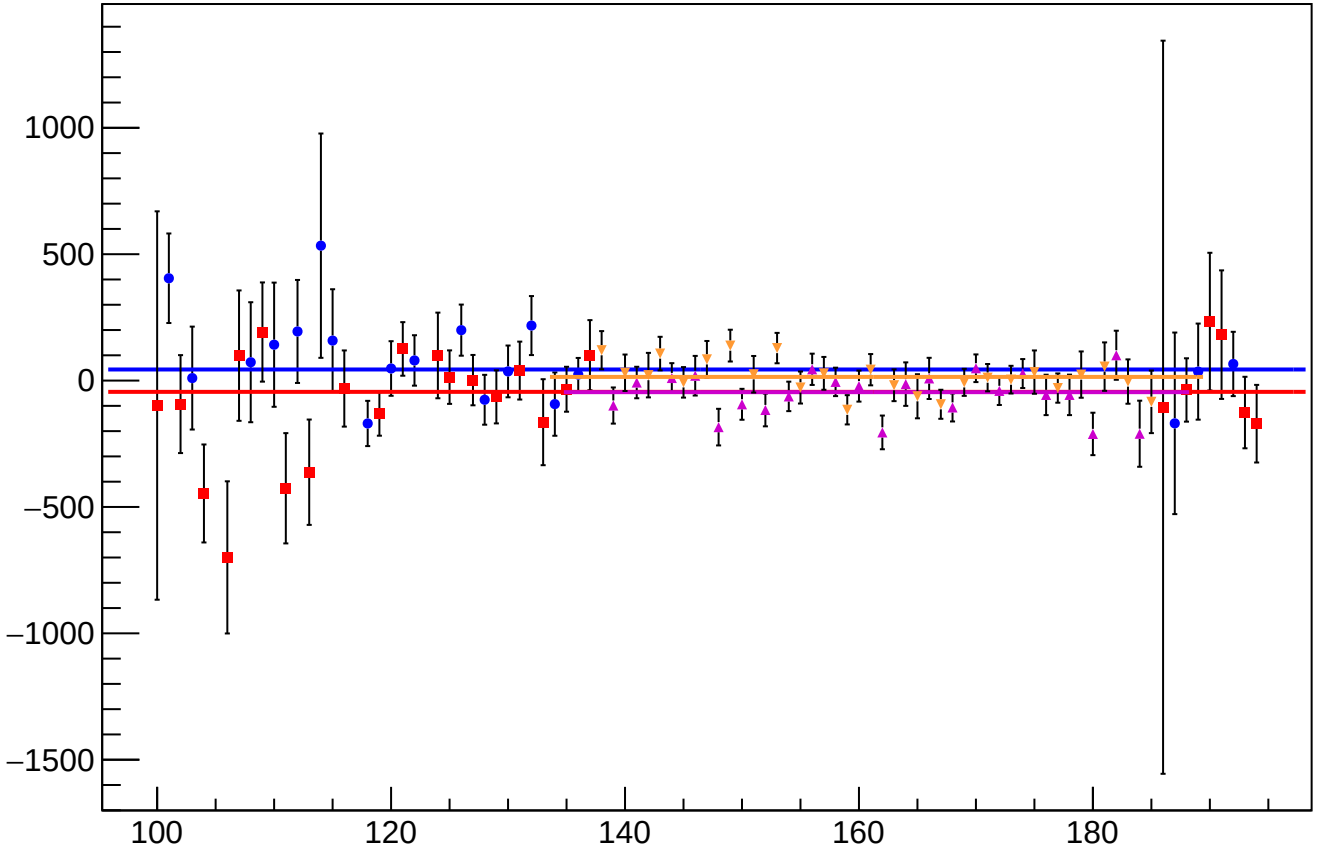
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 268.751+/-0.039 χ^2/NDF: 9477846.4/43

All: 270.826+/-0.028 χ^2/NDF: 21812006.8/91

- sign 272.994+/-0.040 χ^2/NDF: 12328454.8/47

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: -44.599+/-28.753 χ^2/NDF: 26.1/24

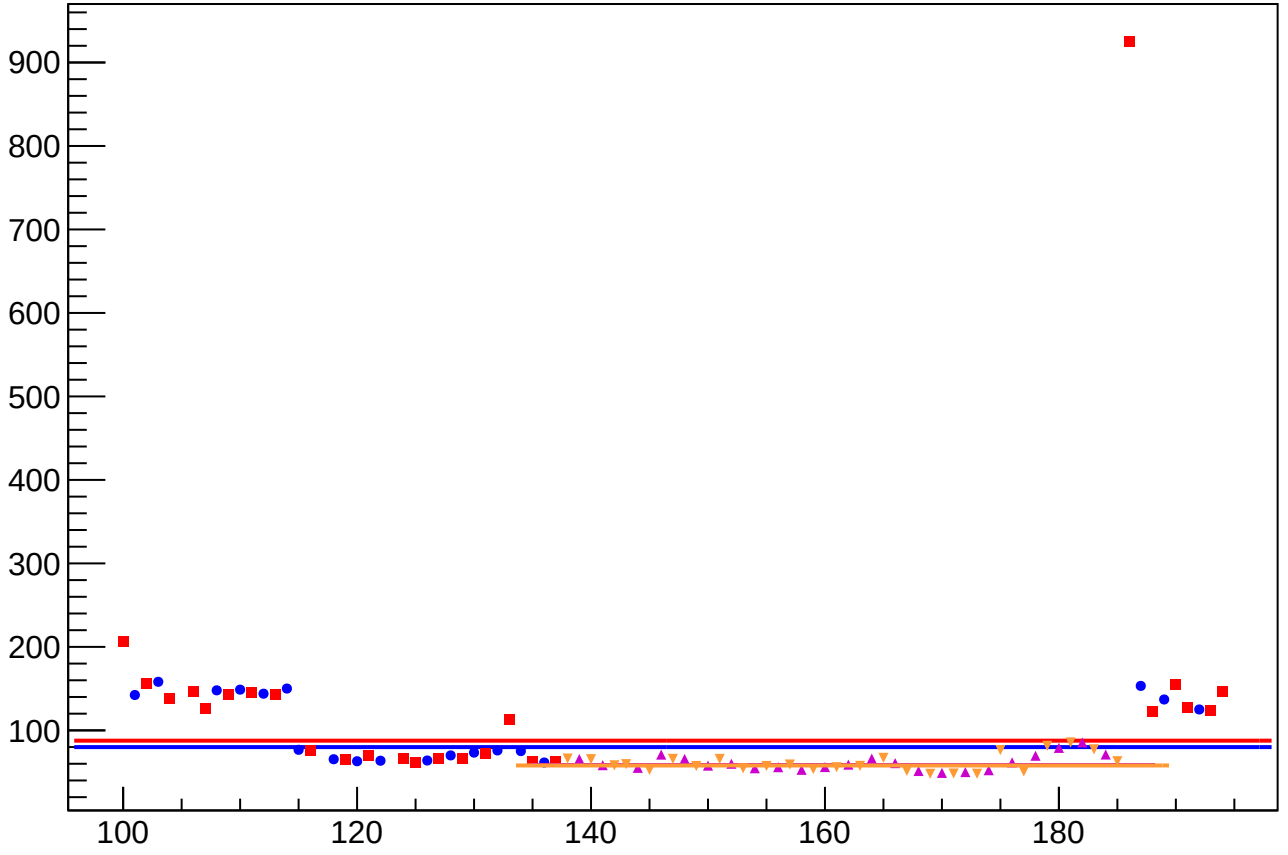
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 19.801+/-12.181 χ^2/NDF: 45.4/43

All: -11.946+/-8.736 χ^2/NDF: 116.2/91

- sign -45.576+/-12.537 χ^2/NDF: 56.9/47

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

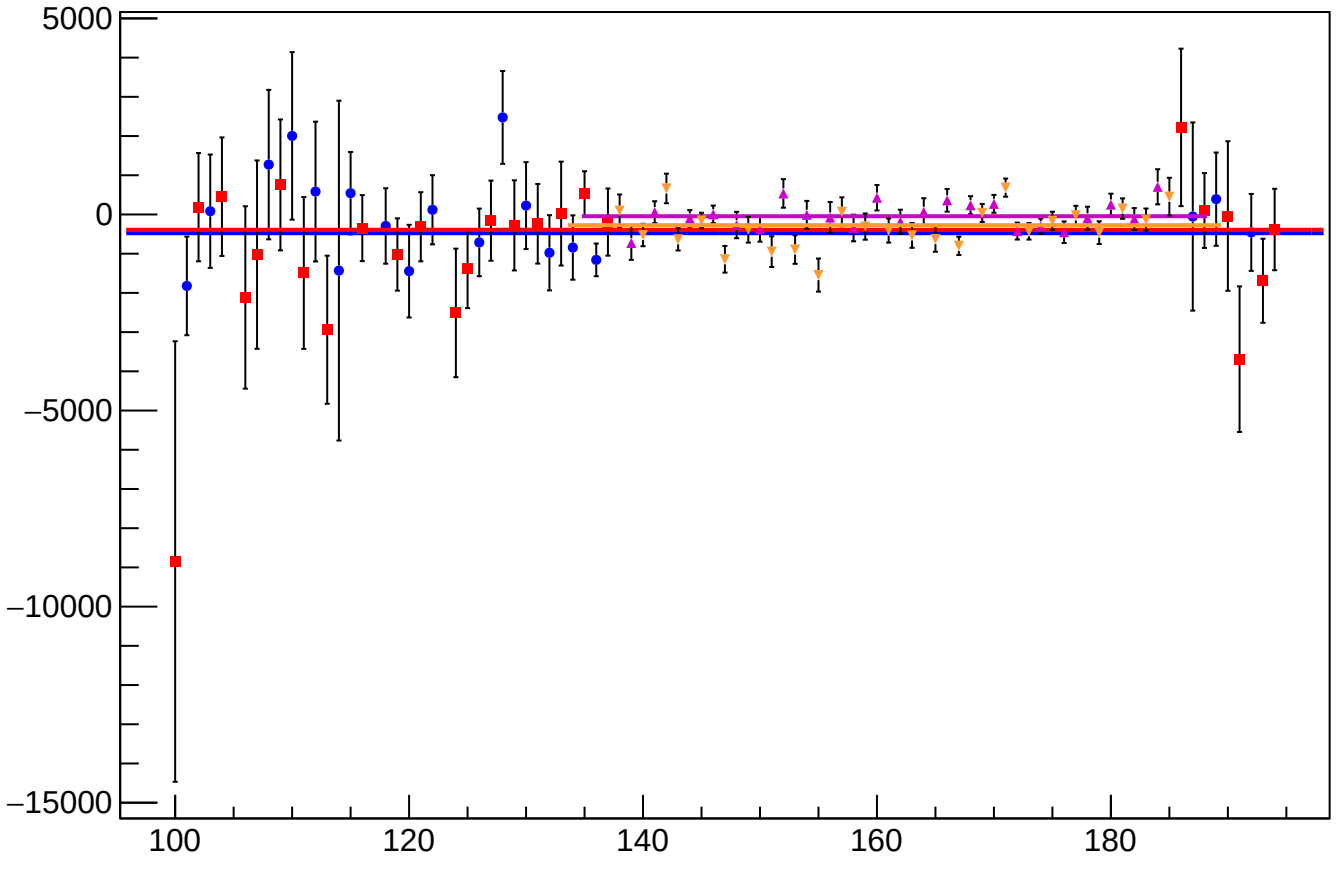
Right Out: 87.672+/-0.020 χ^2/NDF: 3234361.0/24

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 61.931+/-0.009 χ^2/NDF: 3884019.0/43

All: 62.950+/-0.006 χ^2/NDF: 9466888.4/91

- sign 64.030+/-0.009 χ^2/NDF: 5554029.9/47



Right In: -477.938+/-228.865 χ^2/NDF: 16.4/18

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

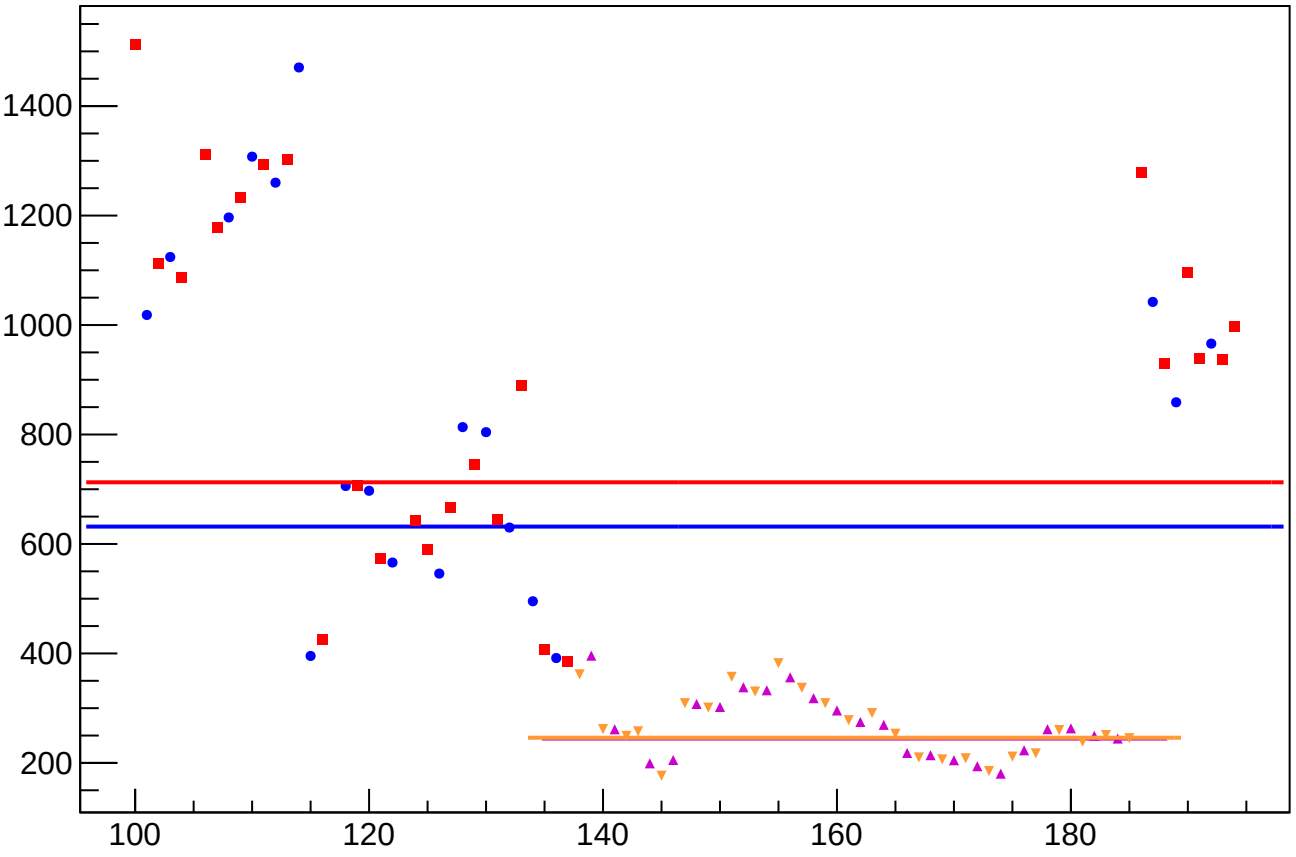
Right Out: -389.551+/-230.045 χ^2/NDF: 18.6/24

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -284.619+/-55.561 χ^2/NDF: 82.9/43

All: -177.516+/-39.718 χ^2/NDF: 137.7/91

- sign -65.584+/-56.799 χ^2/NDF: 47.2/47



Right In: 631.764+/-0.162 χ^2/NDF: 2450455.9/18

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 712.681+/-0.163 χ^2/NDF: 2950955.4/24

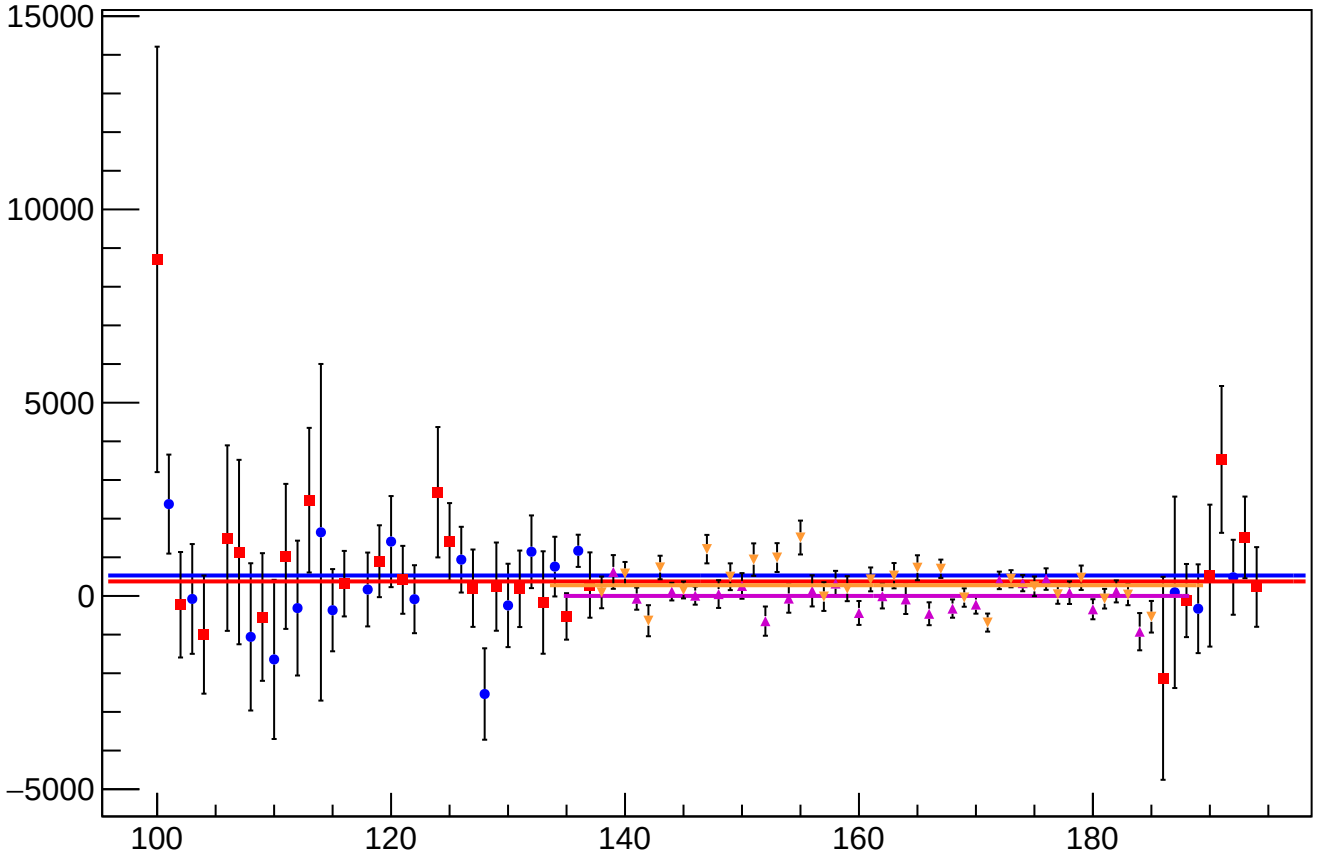
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 268.750+/-0.039 χ^2/NDF: 9477842.1/43

All: 270.825+/-0.028 χ^2/NDF: 21811983.7/91

- sign 272.994+/-0.040 χ^2/NDF: 12328435.5/47

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: 376.046+/-231.442 χ^2/NDF: 16.2/24

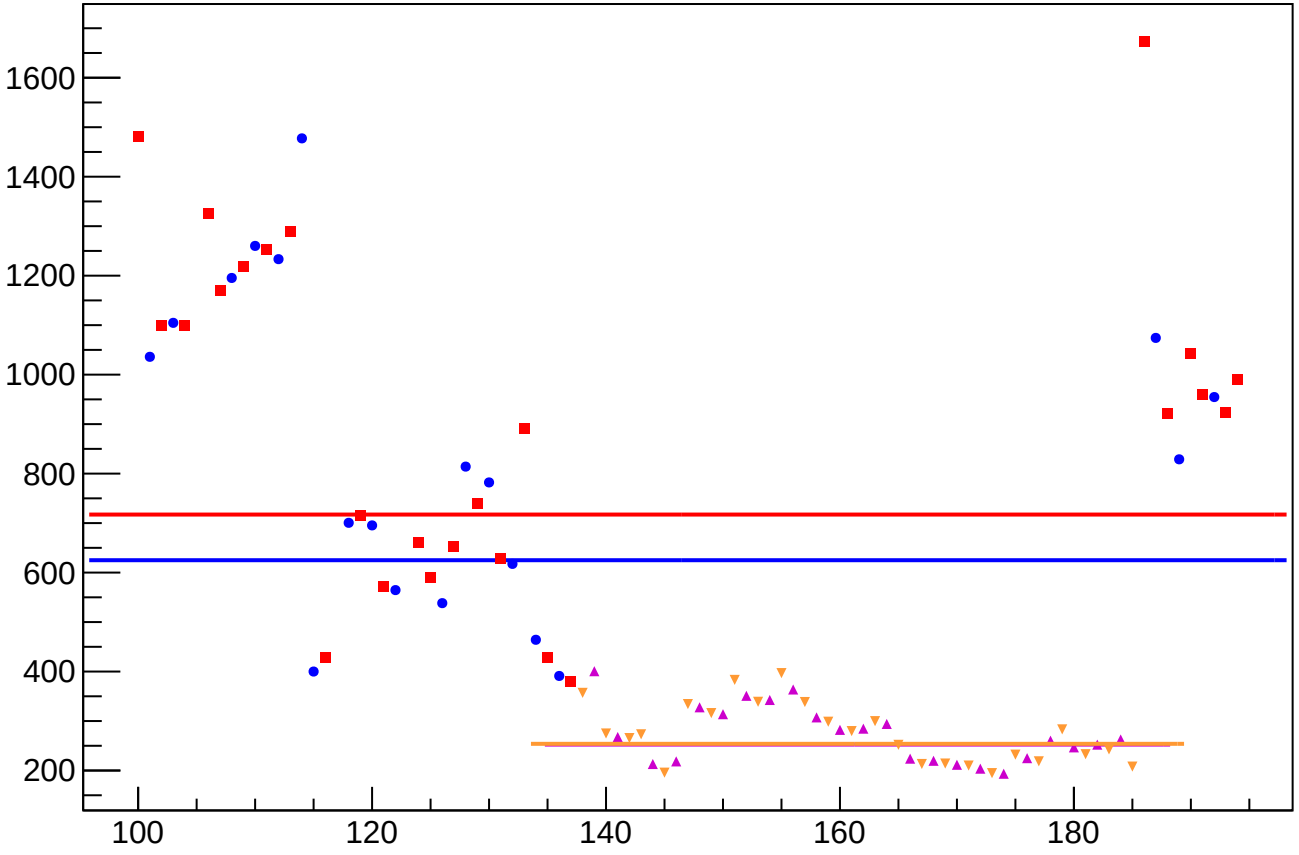
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 293.188+/-57.228 χ^2/NDF: 82.4/43

All: 161.556+/-40.876 χ^2/NDF: 140.0/91

- sign 24.466+/-58.403 χ^2/NDF: 46.8/47

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

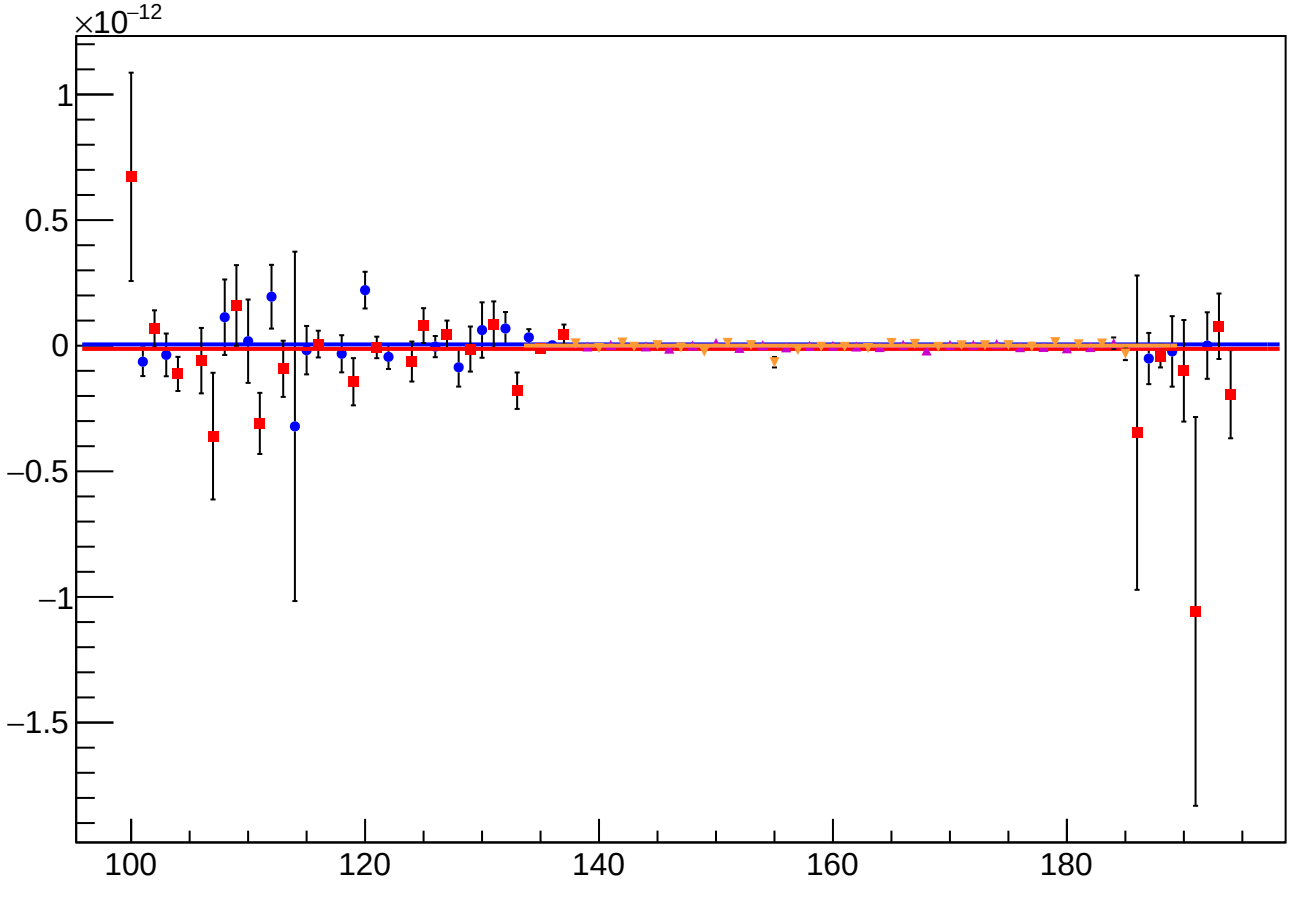
Right Out: 717.252+/-0.164 χ^2/NDF: 2885274.6/24

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 277.653+/-0.040 χ^2/NDF: 9051777.9/43

All: 279.778+/-0.029 χ^2/NDF: 20909621.2/91

- sign 281.991+/-0.041 χ^2/NDF: 11852214.2/47



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

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

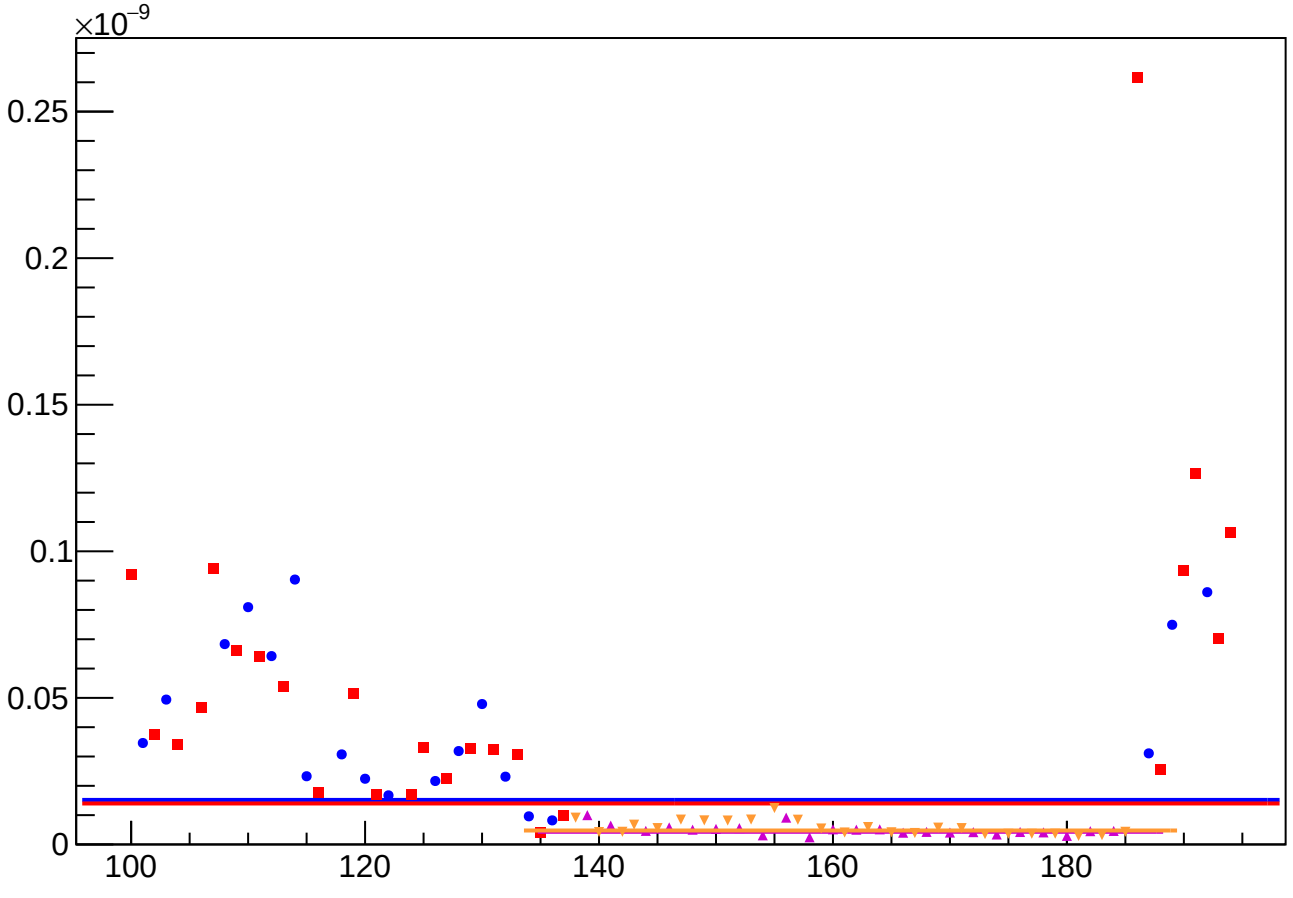
Right Out: -0.000+/-0.000 χ^2/NDF: 33.7/24

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/43

All: -0.000+/-0.000 χ^2/NDF: 95.5/91

- sign -0.000+/-0.000 χ^2/NDF: 48.8/47



Right In: 0.000+/-0.000 χ^2/NDF: 3493973.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

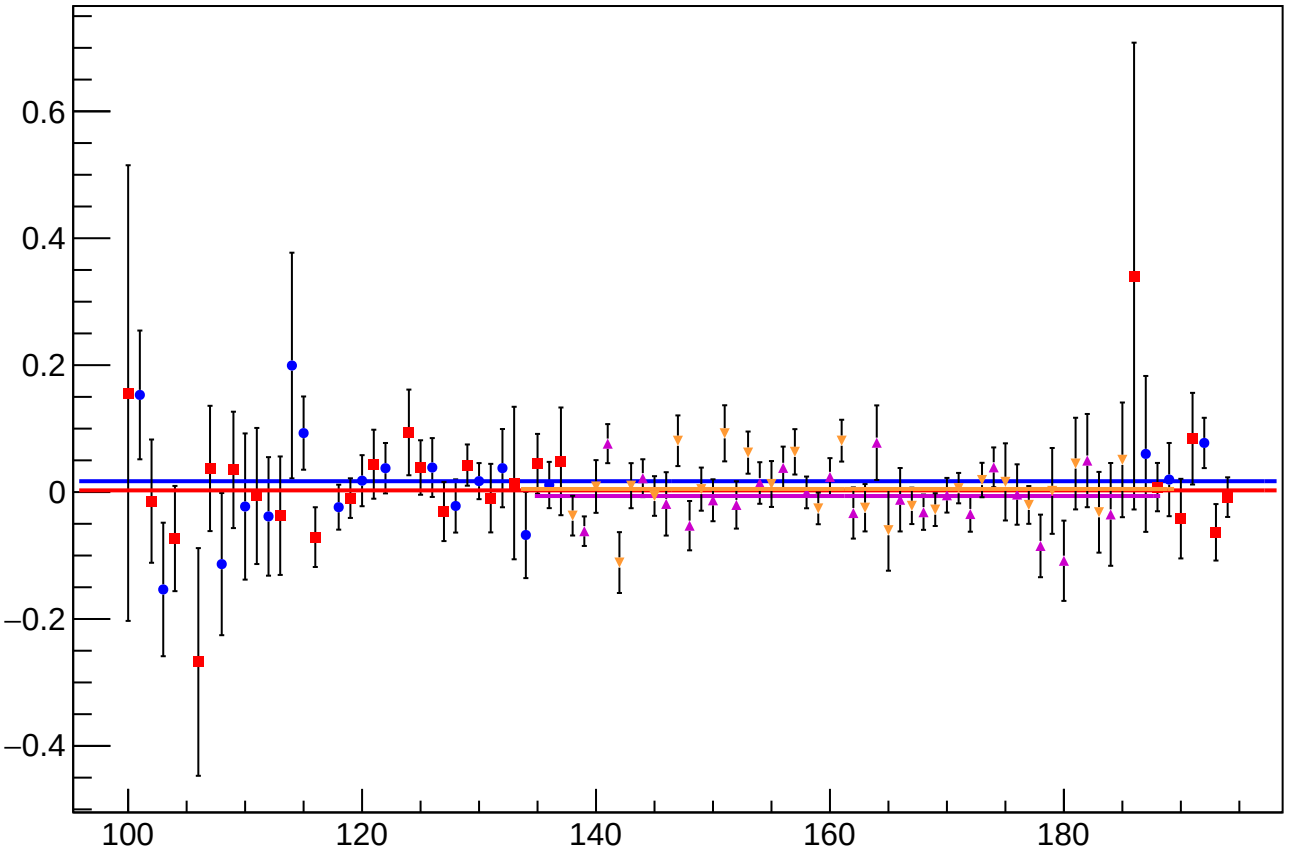
Right Out: 0.000+/-0.000 χ^2/NDF: 5245080.1/24

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7051886.2/43

All: 0.000+/-0.000 χ^2/NDF: 15078010.6/91

- sign 0.000+/-0.000 χ^2/NDF: 7962032.5/47



Right In: 0.017+/-0.012 χ^2/NDF: 15.9/18

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.003+/-0.011 χ^2/NDF: 17.6/24

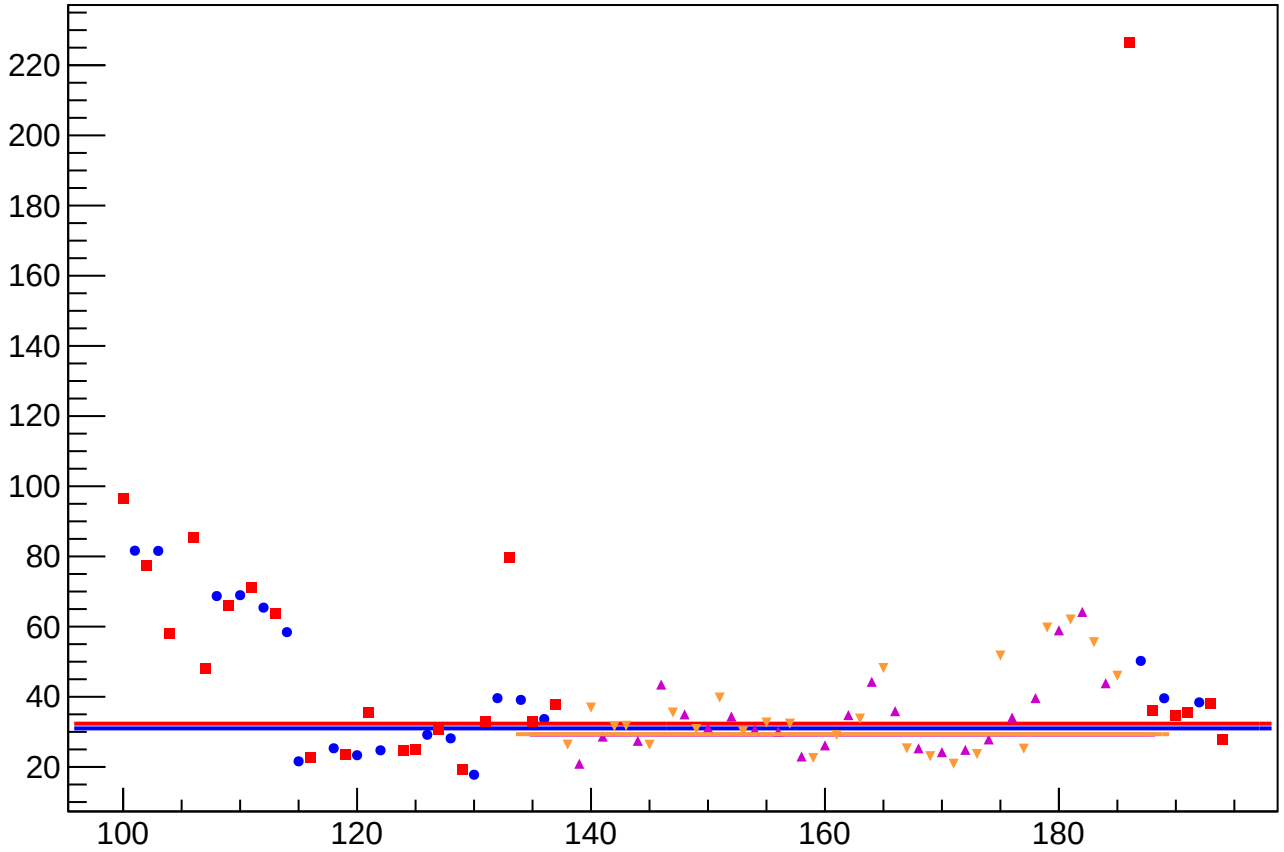
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.008+/-0.006 χ^2/NDF: 50.6/43

All: 0.002+/-0.004 χ^2/NDF: 101.5/91

- sign -0.004+/-0.006 χ^2/NDF: 49.0/47

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

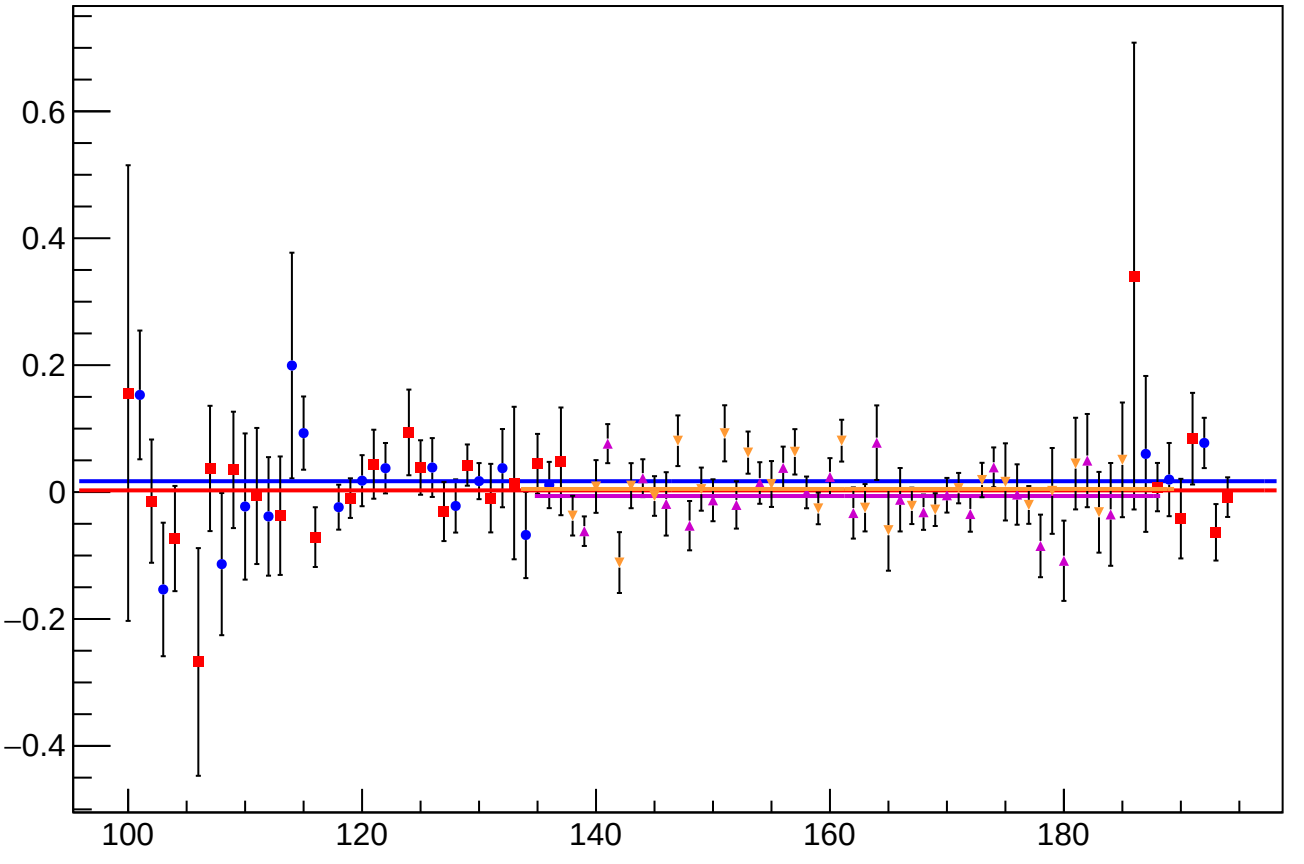
Right Out: 32.344+/-0.008 χ^2/NDF: 3314738.8/24

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.784+/-0.004 χ^2/NDF: 5351624.6/43

All: 29.983+/-0.003 χ^2/NDF: 10881250.7/91

- sign 30.181+/-0.004 χ^2/NDF: 5525325.7/47



Right In: 0.017+/-0.012 χ^2/NDF: 15.9/18

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

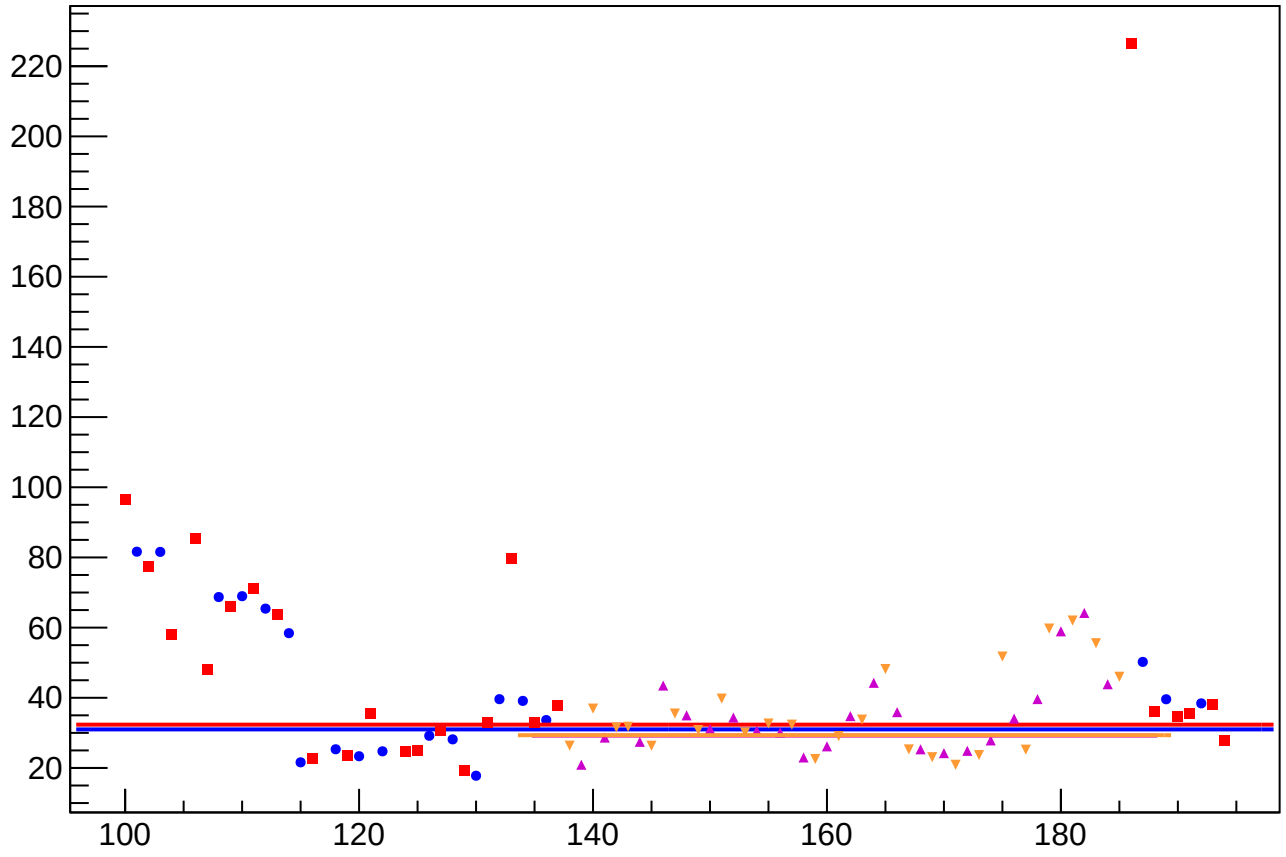
Right Out: 0.003+/-0.011 χ^2/NDF: 17.6/24

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.008+/-0.006 χ^2/NDF: 50.6/43

All: 0.002+/-0.004 χ^2/NDF: 101.5/91

- sign -0.004+/-0.006 χ^2/NDF: 49.0/47



Right In: 30.988+/-0.008 χ^2/NDF: 2635271.9/18

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

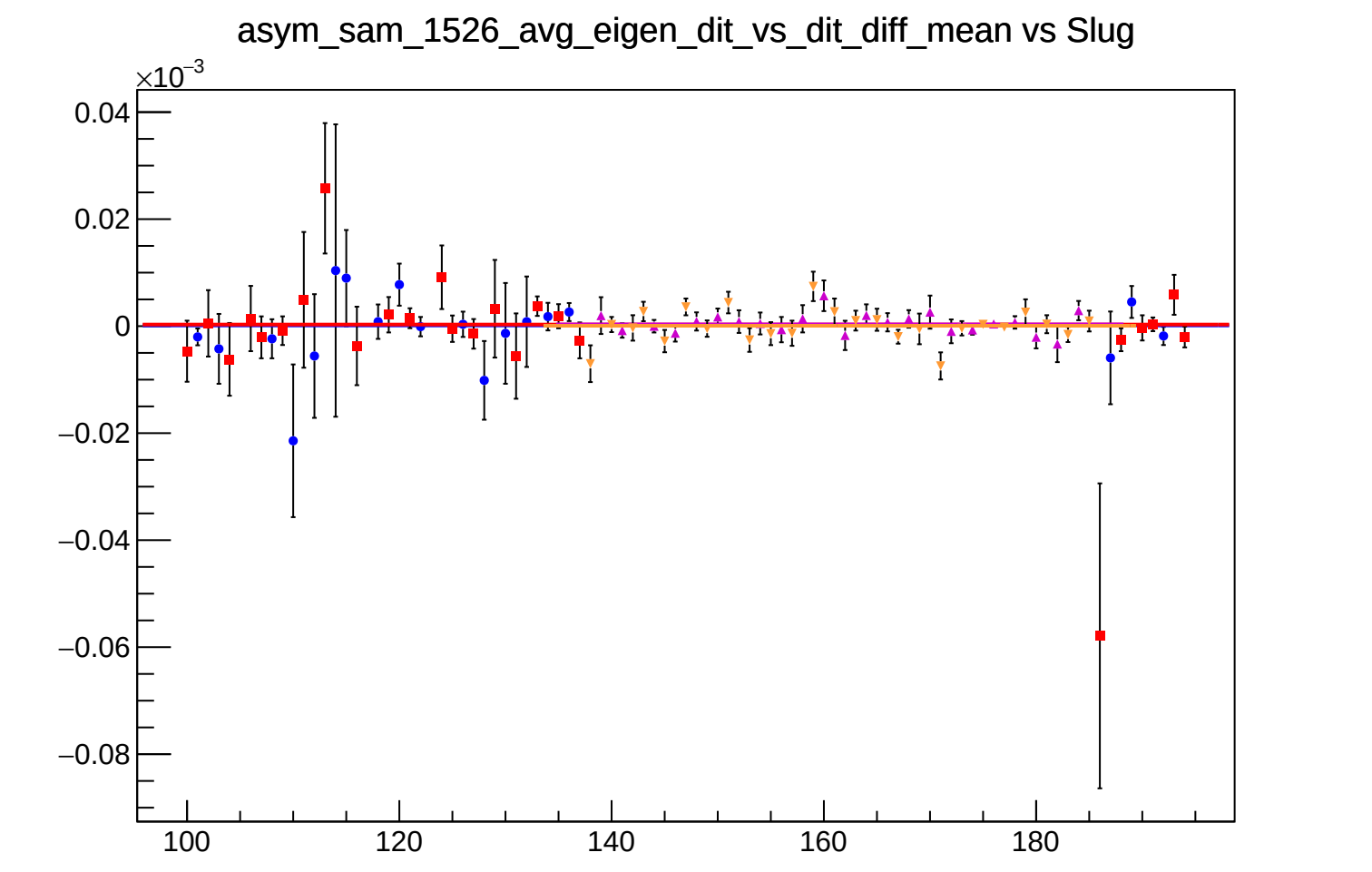
Right Out: 32.344+/-0.008 χ^2/NDF: 3314738.8/24

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.784+/-0.004 χ^2/NDF: 5351624.6/43

All: 29.983+/-0.003 χ^2/NDF: 10881250.7/91

- sign 30.181+/-0.004 χ^2/NDF: 5525325.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

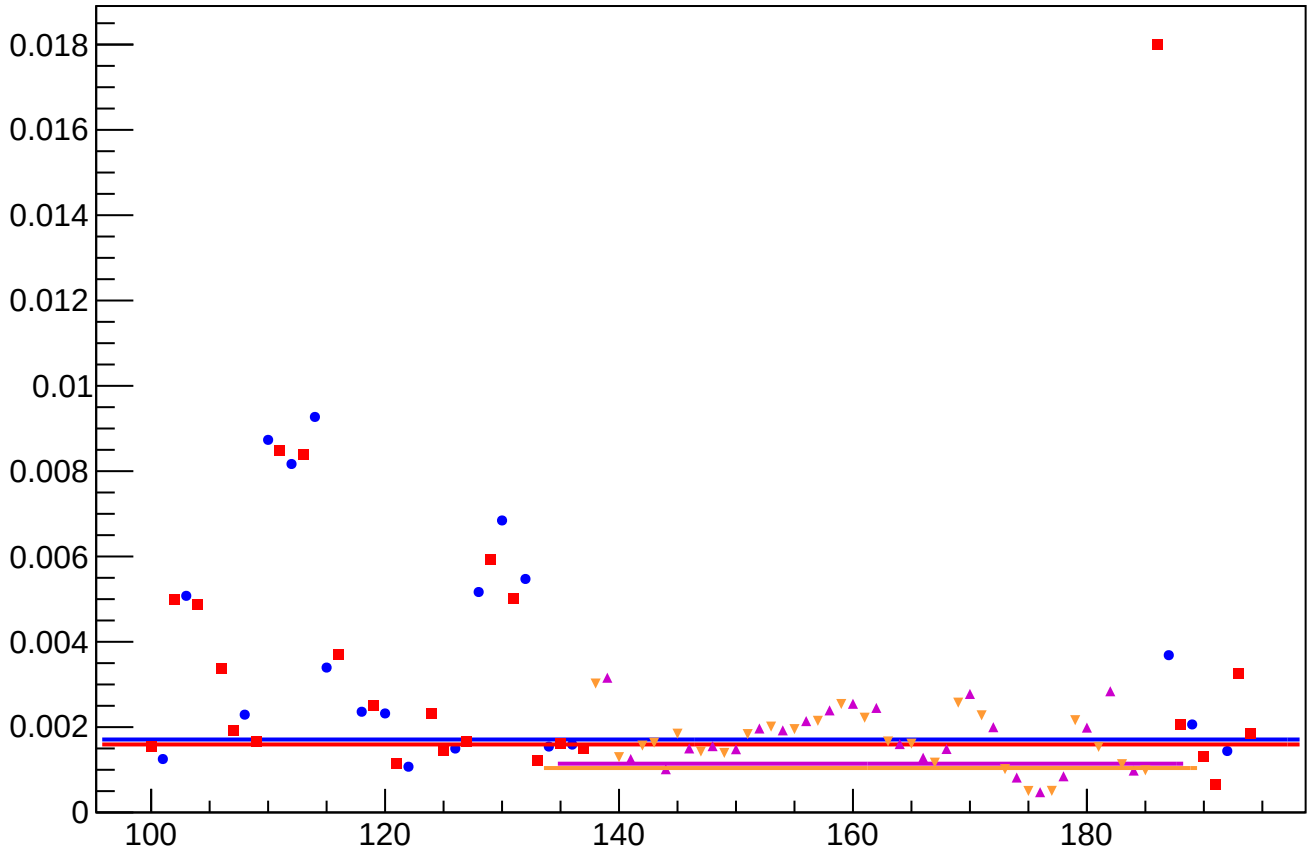
Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/24

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.6/43

All: 0.000+/-0.000 χ^2/NDF: 104.0/91

- sign 0.000+/-0.000 χ^2/NDF: 41.0/47



Right In: 0.002+/-0.000 χ^2/NDF: 4115826.8/18

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

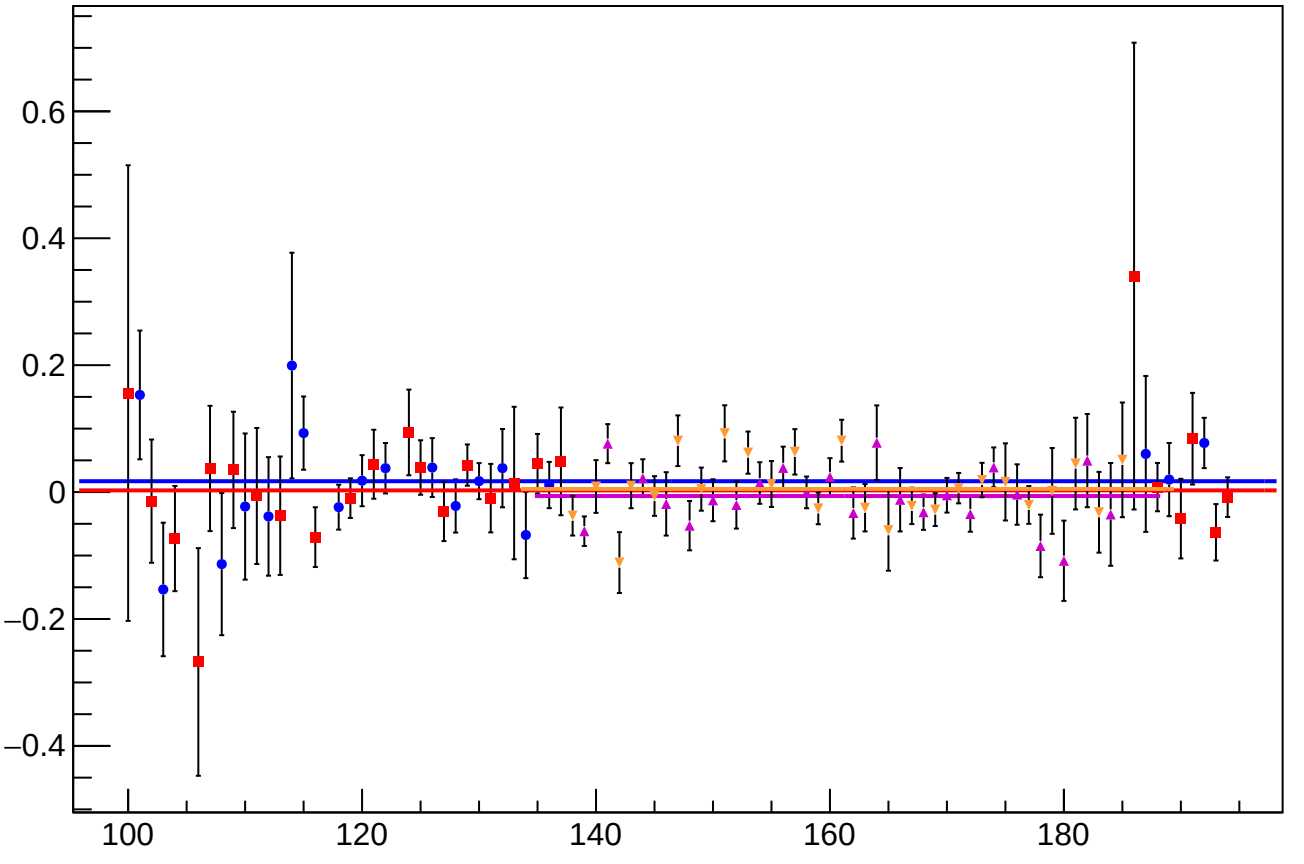
Right Out: 0.002+/-0.000 χ^2/NDF: 6165372.6/24

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 15619714.9/43

All: 0.001+/-0.000 χ^2/NDF: 31181422.3/91

- sign 0.001+/-0.000 χ^2/NDF: 15403145.1/47



Right In: 0.017+/-0.012 χ^2/NDF: 15.9/18

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.003+/-0.011 χ^2/NDF: 17.6/24

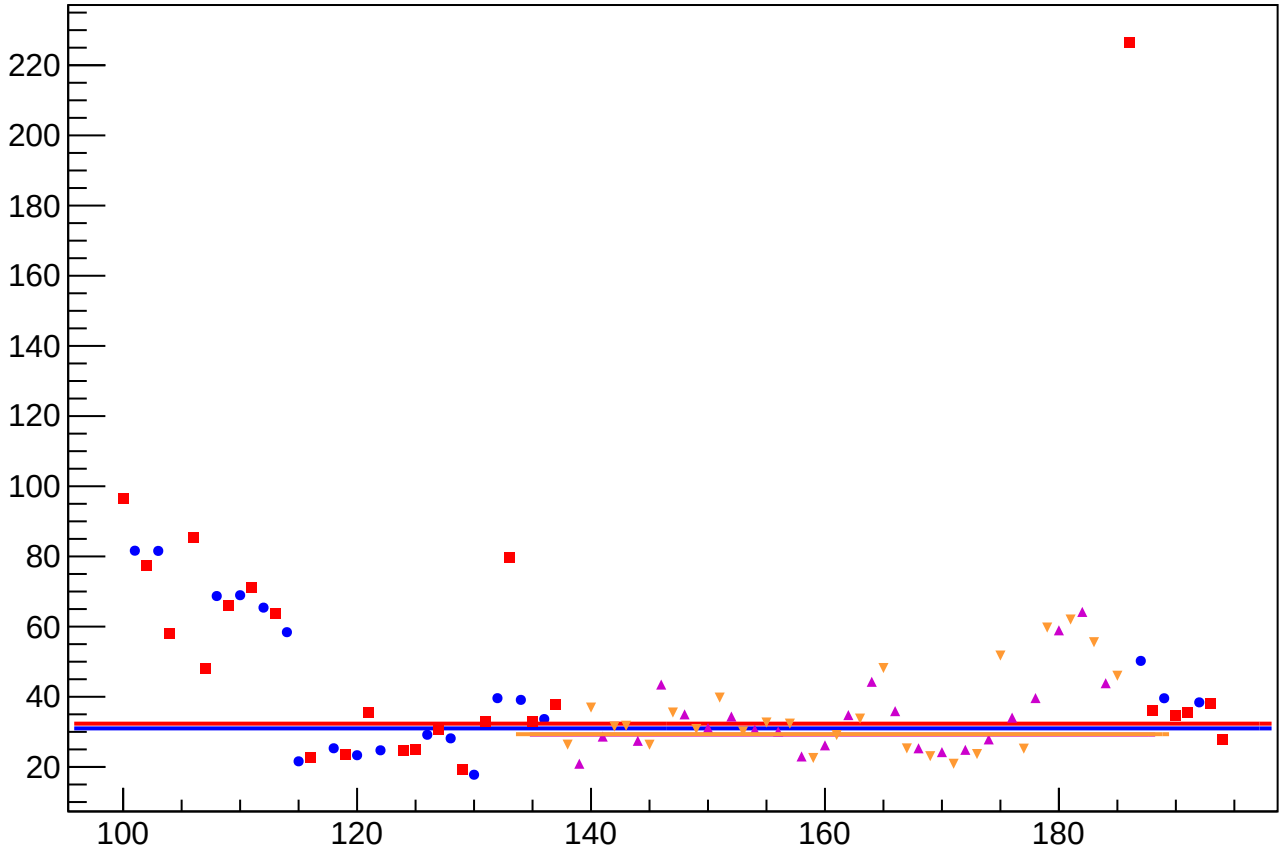
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.008+/-0.006 χ^2/NDF: 50.6/43

All: 0.002+/-0.004 χ^2/NDF: 101.5/91

- sign -0.004+/-0.006 χ^2/NDF: 49.0/47

asym_sam_1526_avg_eigen_dit_vs_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

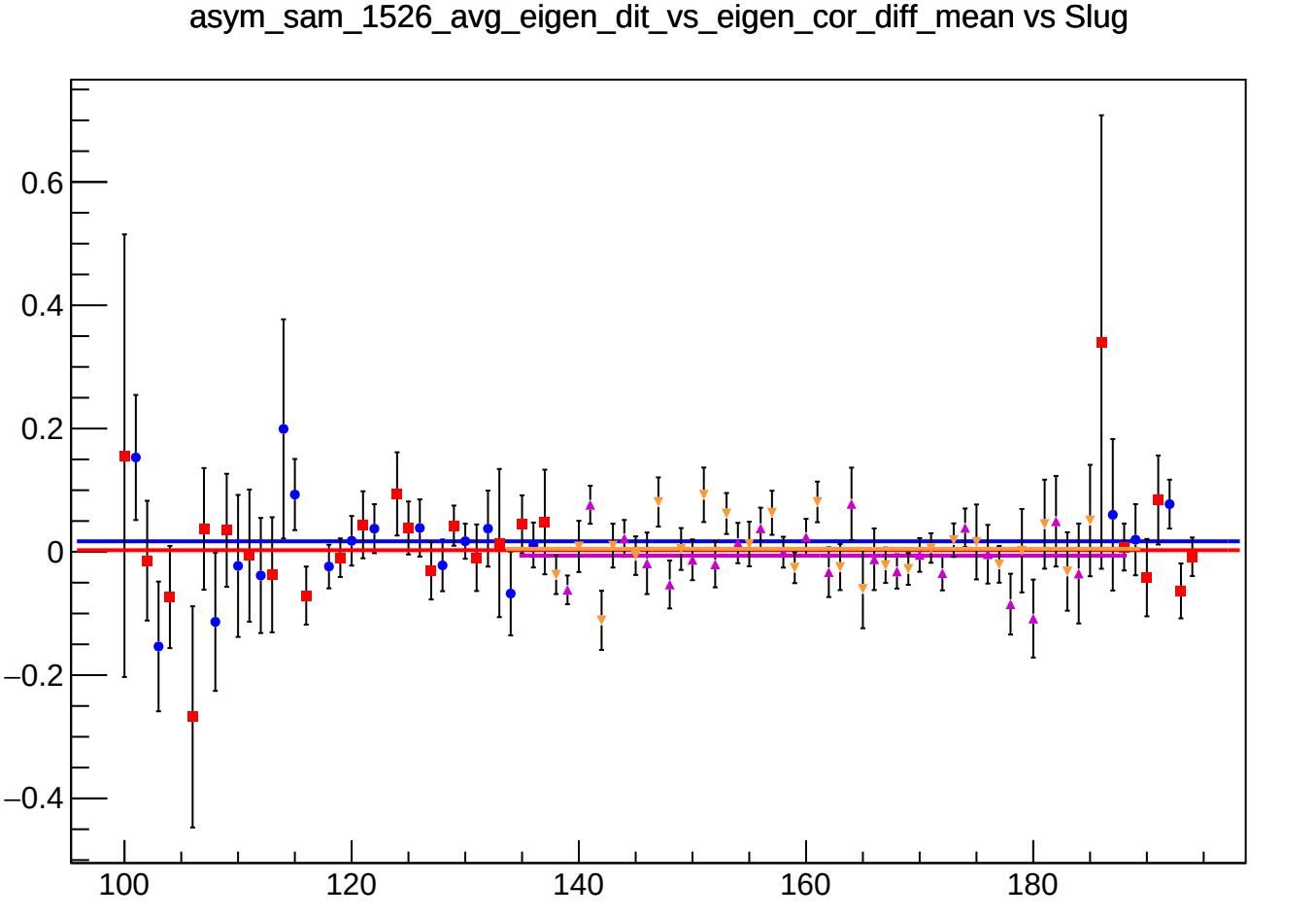
Right Out: 32.343+/-0.008 χ^2/NDF: 3314913.9/24

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

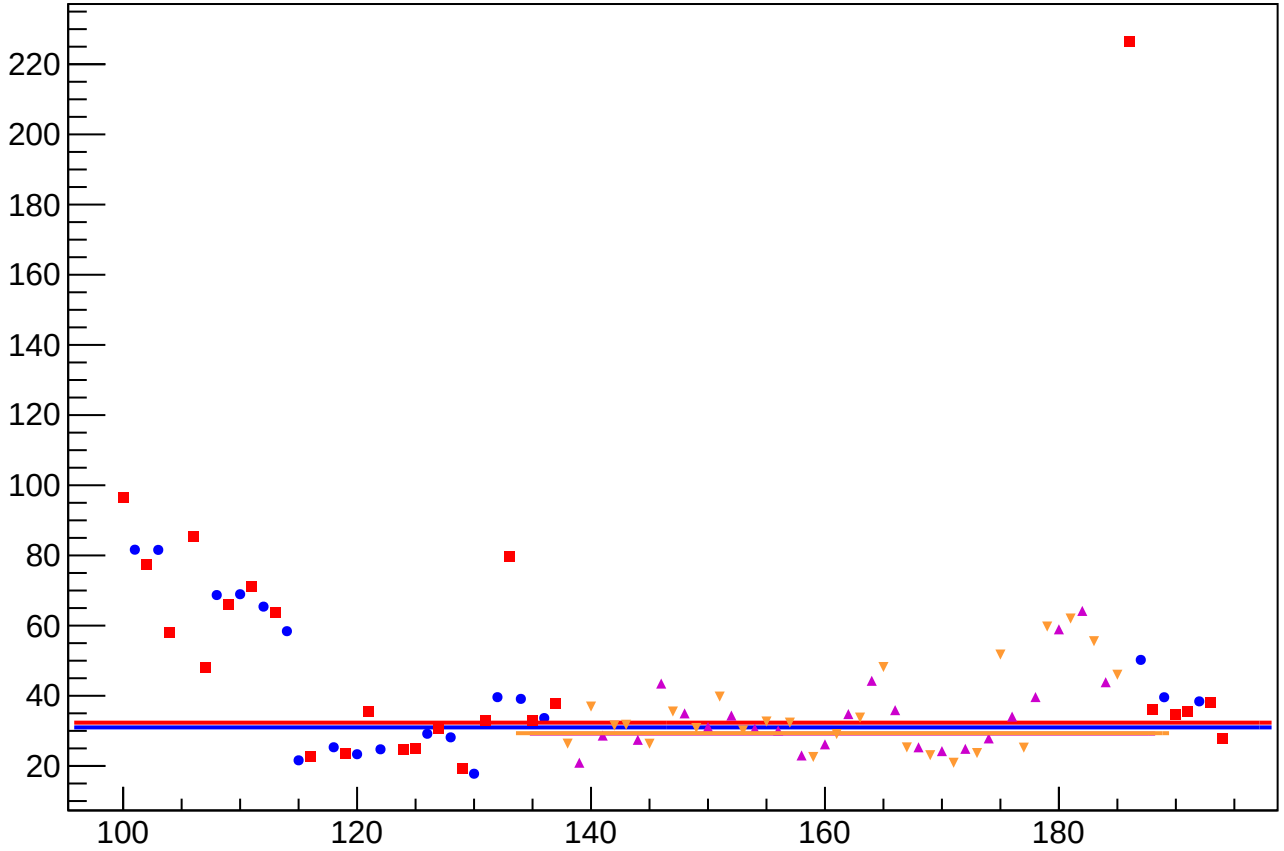
+ sign 29.784+/-0.004 χ^2/NDF: 5351874.8/43

All: 29.983+/-0.003 χ^2/NDF: 10881556.5/91

- sign 30.181+/-0.004 χ^2/NDF: 5525376.6/47


asym_sam_1526_avg_eigen_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: 0.003+/-0.011 χ²/NDF: 17.6/24
Left In: -0.006+/-0.007 χ²/NDF:31.0/22
+ sign 0.008+/-0.006 χ²/NDF: 50.6/43
All: 0.002+/-0.004 χ²/NDF: 101.5/91
- sign -0.004+/-0.006 χ²/NDF: 49.0/47

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

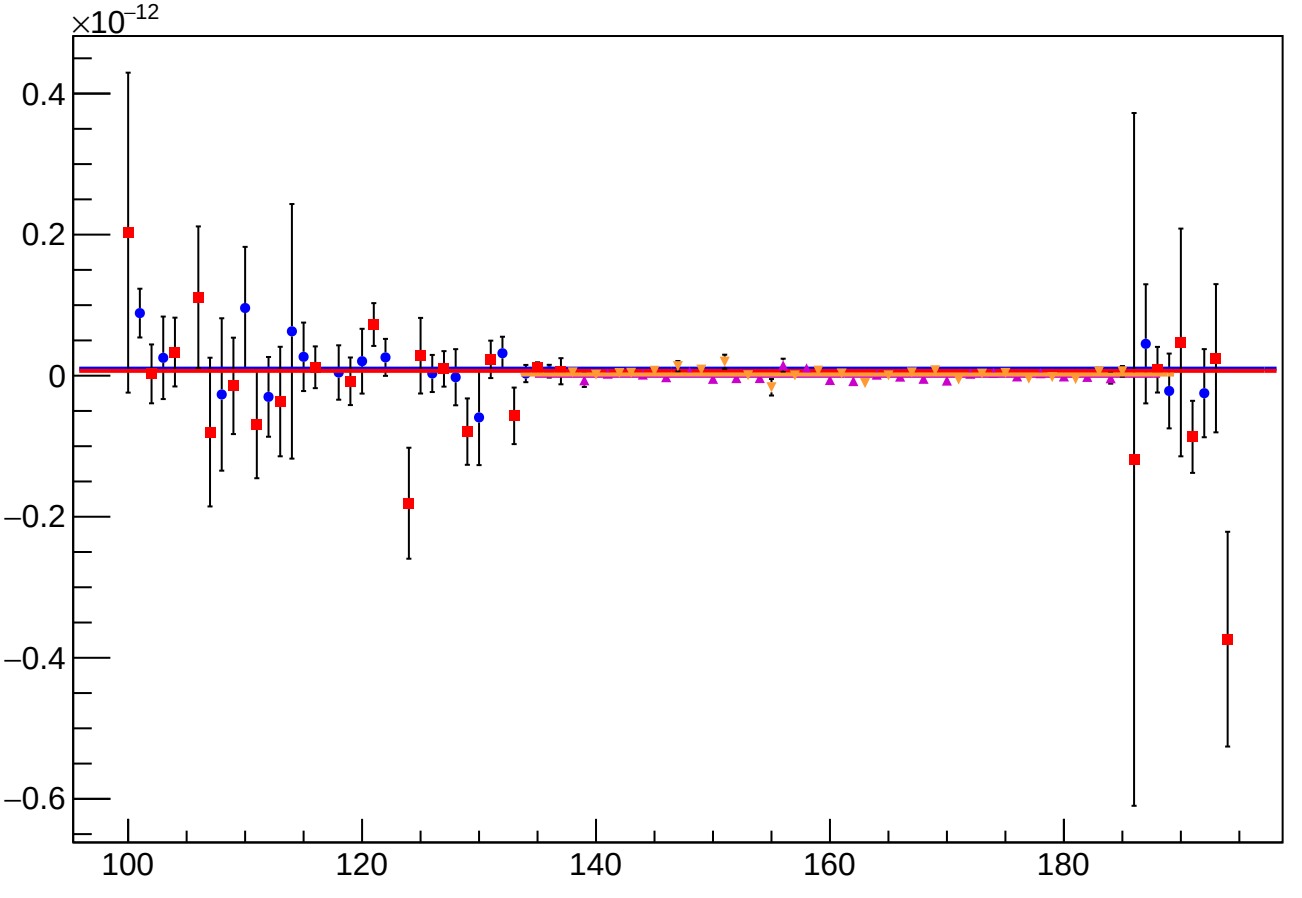
Right Out: 32.343+/-0.008 χ^2/NDF: 3314913.9/24

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.784+/-0.004 χ^2/NDF: 5351874.8/43

All: 29.983+/-0.003 χ^2/NDF: 10881556.5/91

- sign 30.181+/-0.004 χ^2/NDF: 5525376.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 10.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

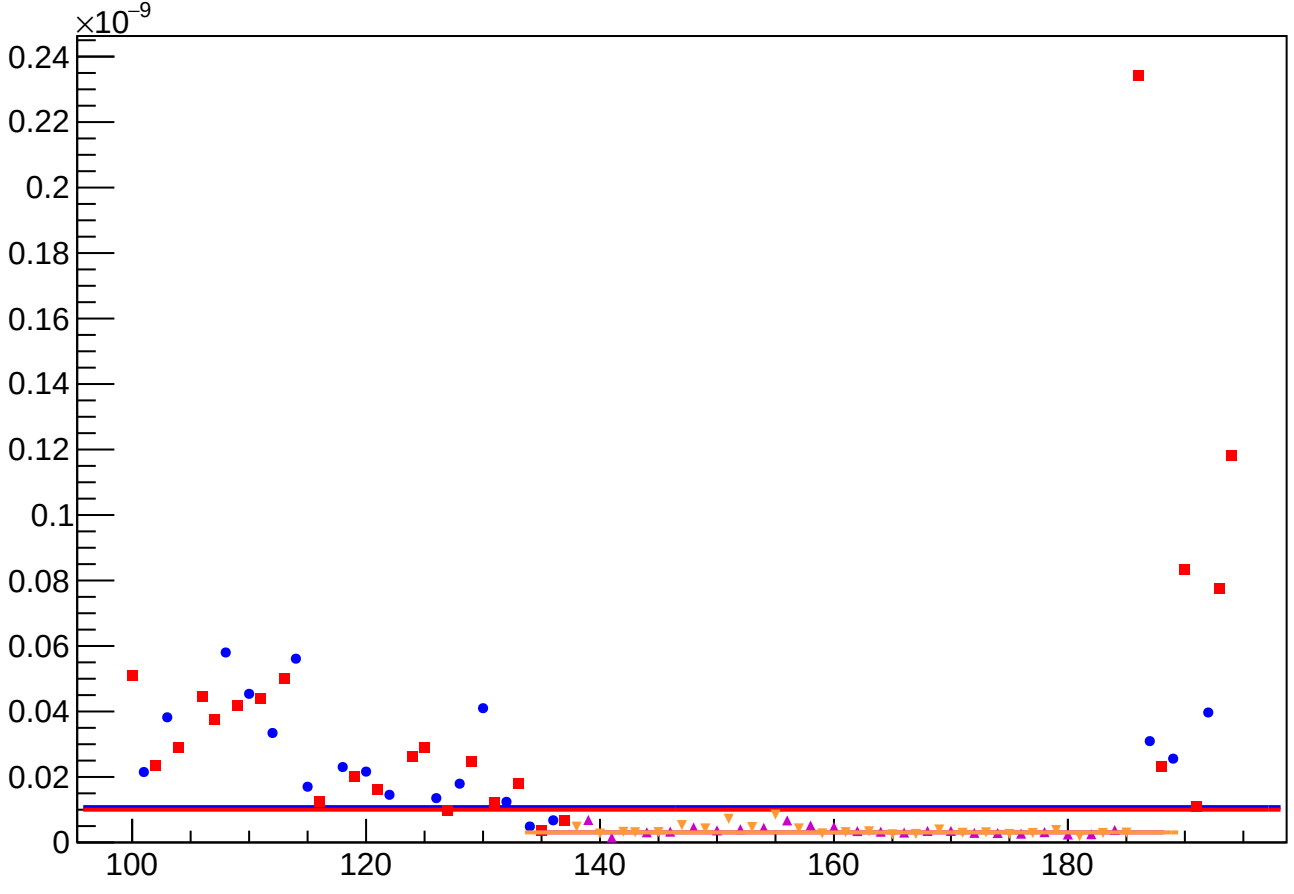
Right Out: 0.000+/-0.000 χ^2/NDF: 31.3/24

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: 101.0/91

- sign -0.000+/-0.000 χ^2/NDF: 51.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 4226437.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7561185.7/24

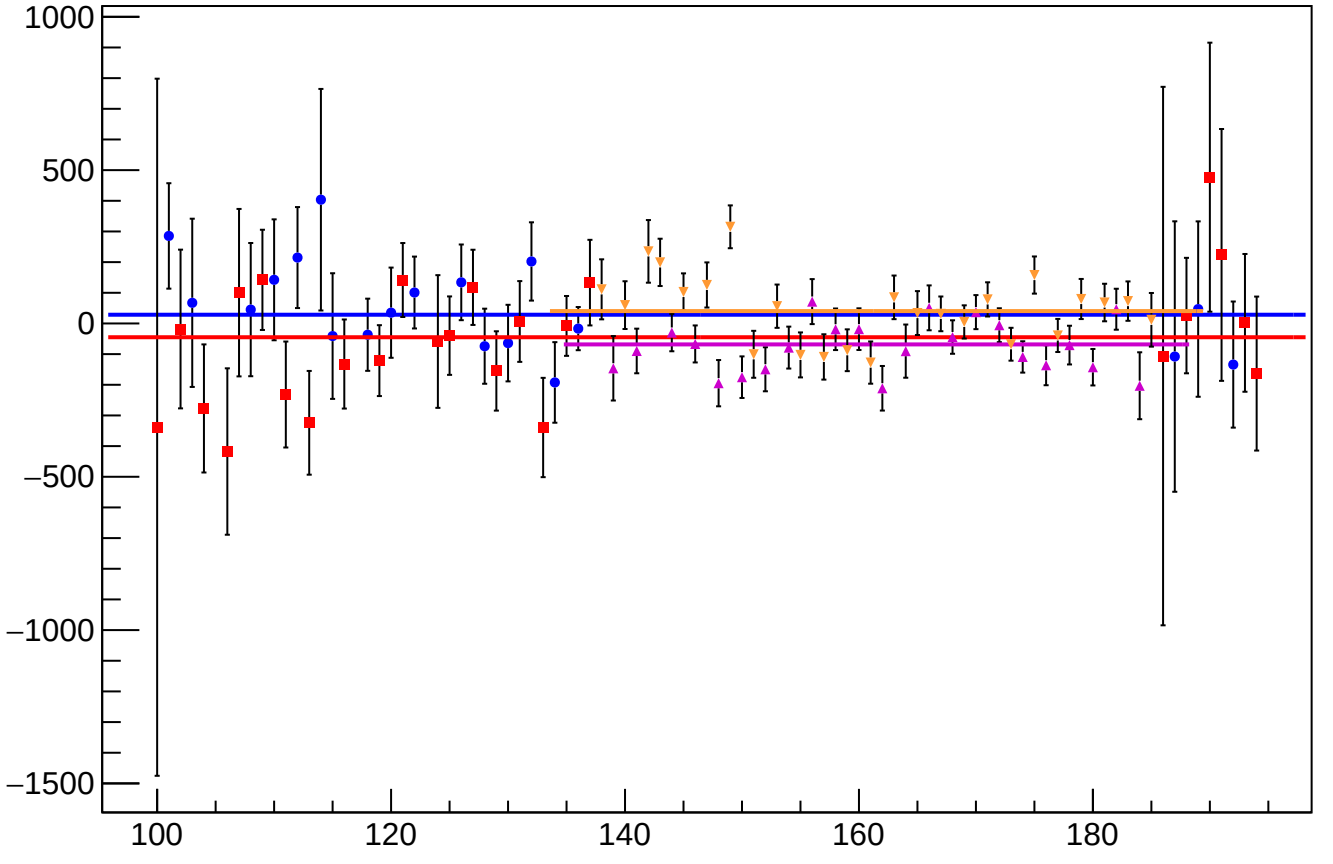
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9574391.9/43

All: 0.000+/-0.000 χ^2/NDF: 22084555.0/91

- sign 0.000+/-0.000 χ^2/NDF: 12510152.8/47

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: -44.940+/-33.340 χ^2/NDF: 21.8/24

Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 38.671+/-12.423 χ^2/NDF: 73.1/43

All: -11.550+/-8.916 χ^2/NDF: 160.8/91

- sign -64.893+/-12.803 χ^2/NDF: 54.0/47

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

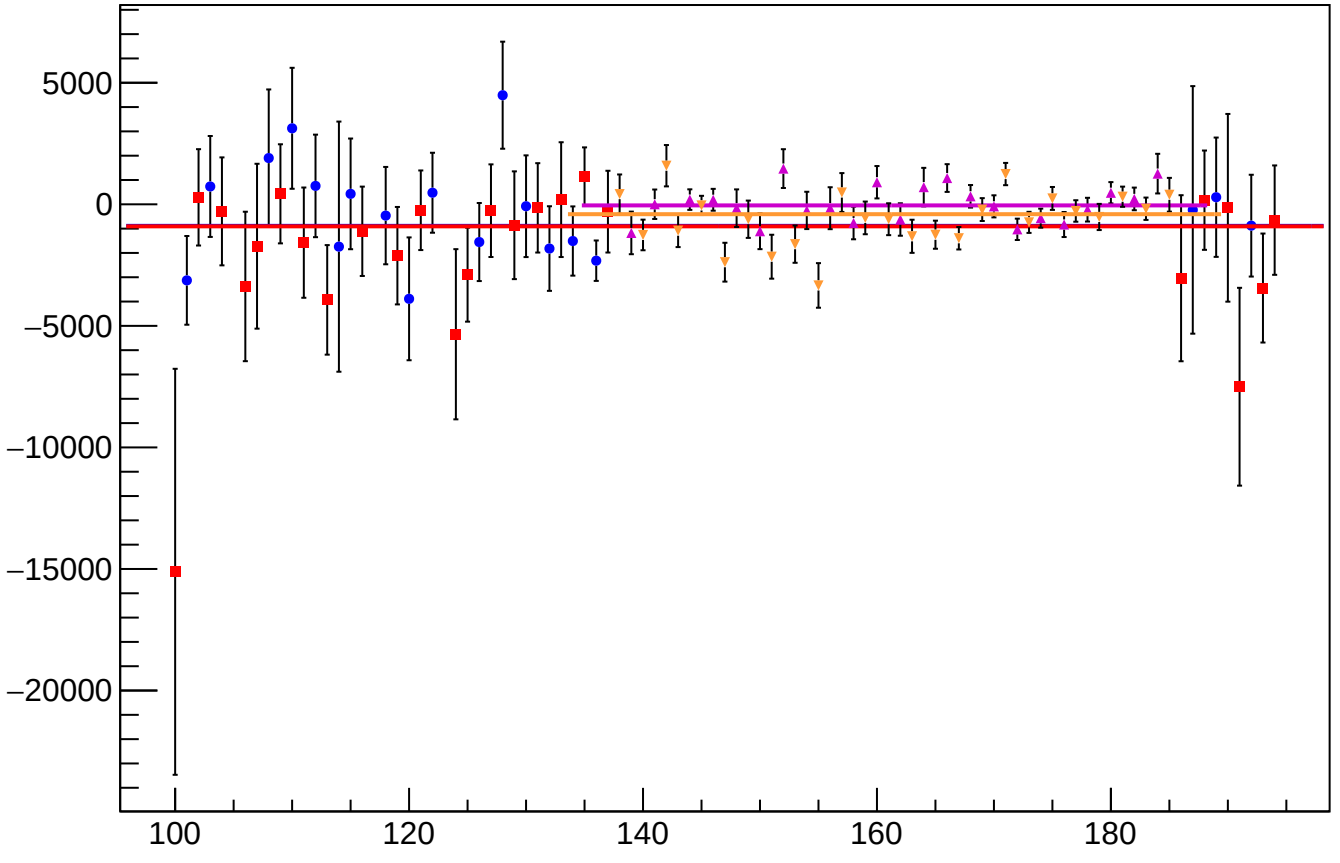
Right Out: 100.421+/-0.024 χ^2/NDF: 3611082.6/24

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.760+/-0.009 χ^2/NDF: 4682766.3/43

All: 63.649+/-0.006 χ^2/NDF: 11759173.5/91

- sign 64.594+/-0.009 χ^2/NDF: 7055275.6/47



Right In: -886.489+/-423.441 χ^2/NDF: 18.8/18

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -906.347+/-429.648 χ^2/NDF: 17.7/24

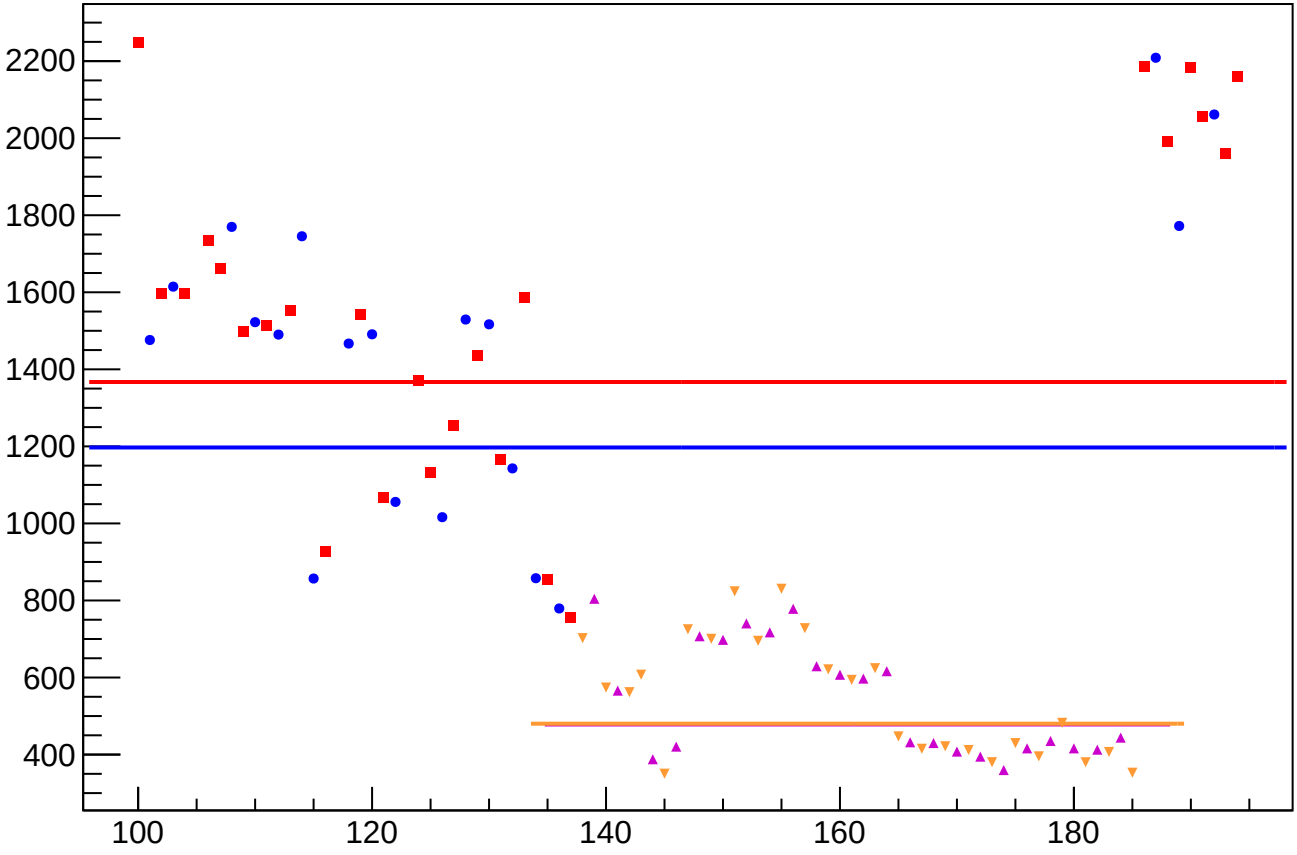
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -438.490+/-109.601 χ^2/NDF: 83.2/43

All: -274.115+/-78.258 χ^2/NDF: 140.3/91

- sign -103.143+/-111.779 χ^2/NDF: 52.5/47

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: 1367.101+/-0.304 χ^2/NDF: 1887193.9/24

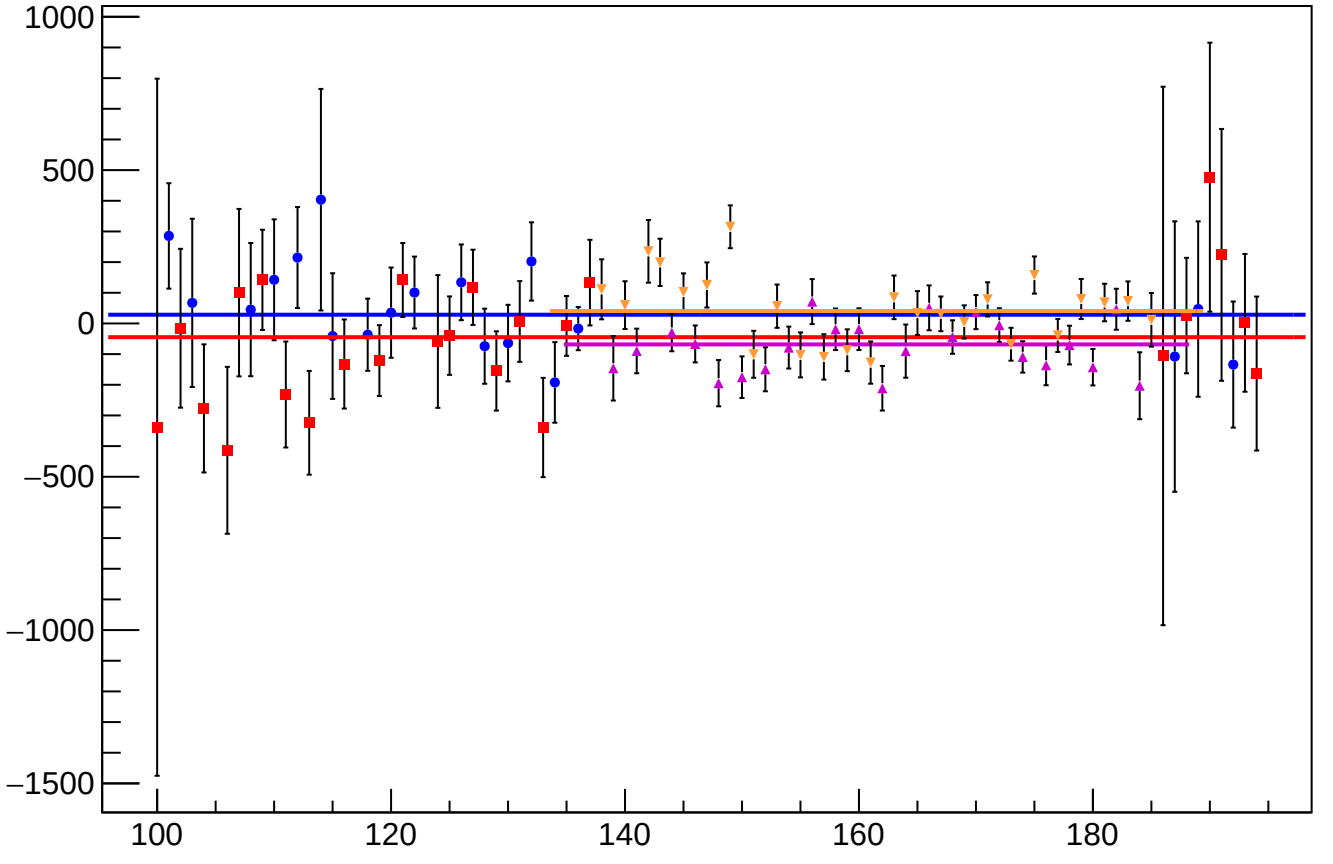
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 528.197+/-0.077 χ^2/NDF: 9628833.1/43

All: 533.128+/-0.055 χ^2/NDF: 21723214.4/91

- sign 538.257+/-0.079 χ^2/NDF: 12086122.8/47

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: -44.801+/-33.342 χ^2/NDF: 21.8/24

Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.672+/-12.423 χ^2/NDF: 73.1/43

All: -11.539+/-8.916 χ^2/NDF: 160.7/91

- sign -64.872+/-12.803 χ^2/NDF: 54.0/47

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

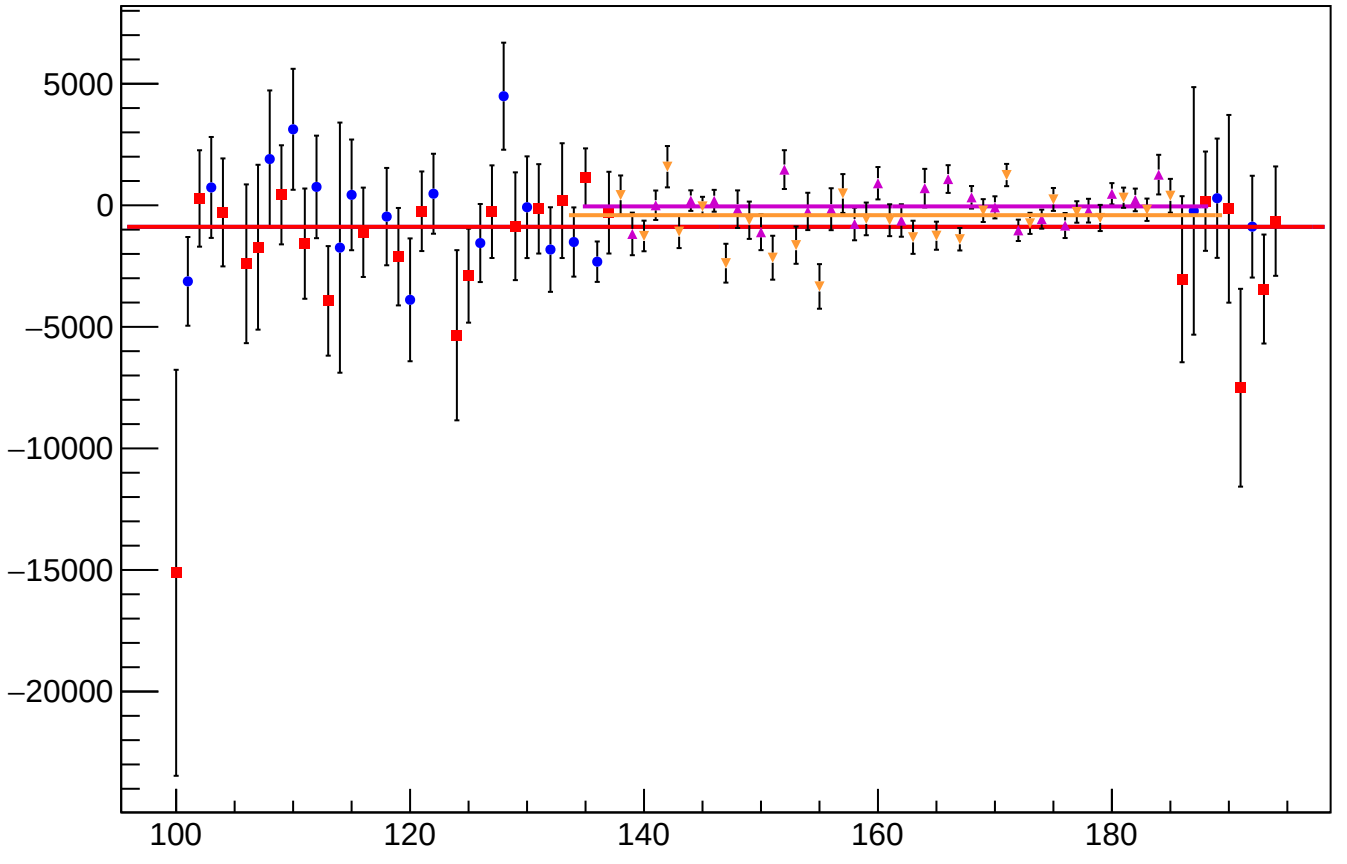
Right Out: 100.388+/-0.024 χ^2/NDF: 3607621.6/24

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.760+/-0.009 χ^2/NDF: 4682768.5/43

All: 63.647+/-0.006 χ^2/NDF: 11751106.3/91

- sign 64.588+/-0.009 χ^2/NDF: 7047331.2/47



Right In: -886.458+/-423.442 χ^2/NDF: 18.8/18

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -884.292+/-430.141 χ^2/NDF: 17.3/24

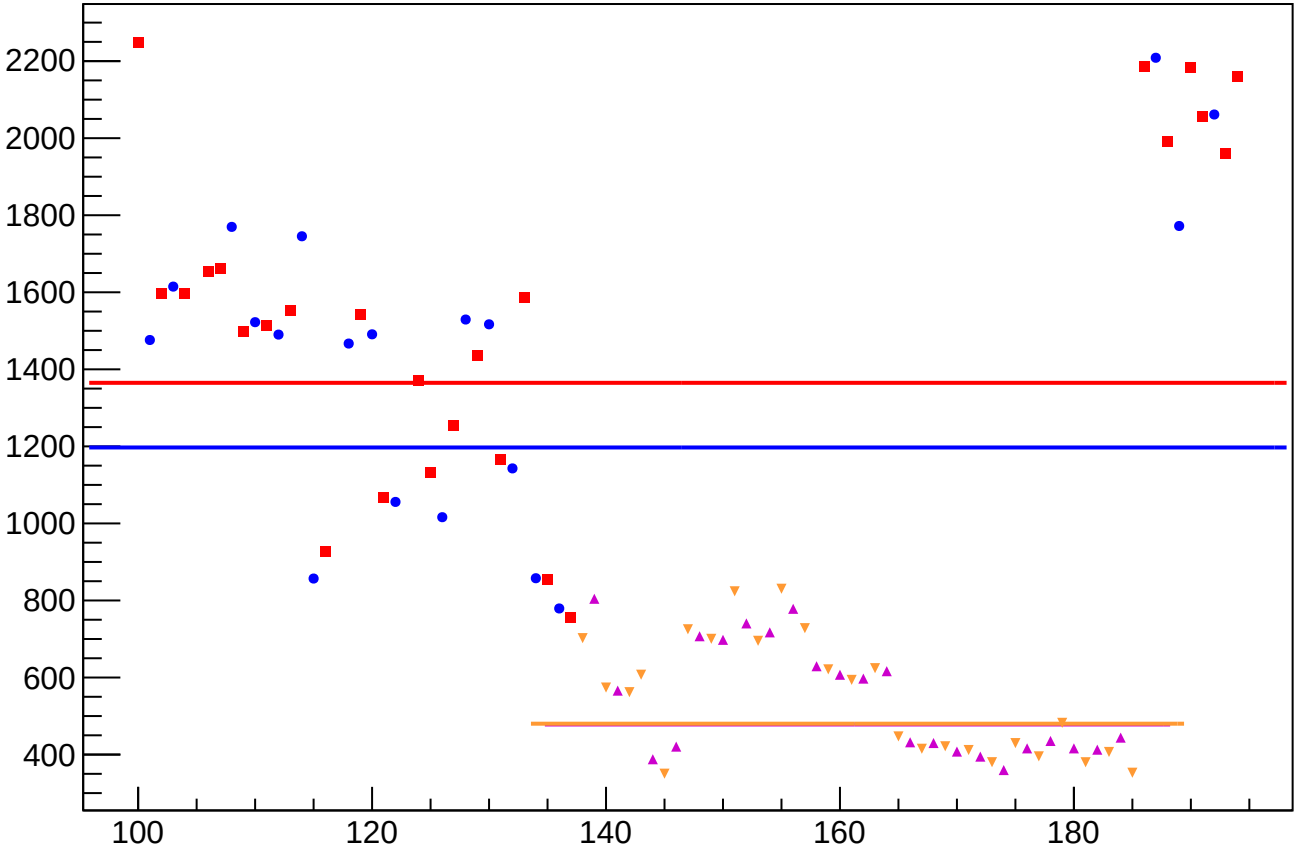
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

\+ sign -438.486+/-109.601 χ^2/NDF: 83.2/43

All: -273.335+/-78.261 χ^2/NDF: 139.7/91

\- sign -101.528+/-111.787 χ^2/NDF: 51.9/47

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: 1364.970+/-0.304 χ^2/NDF: 1874563.2/24

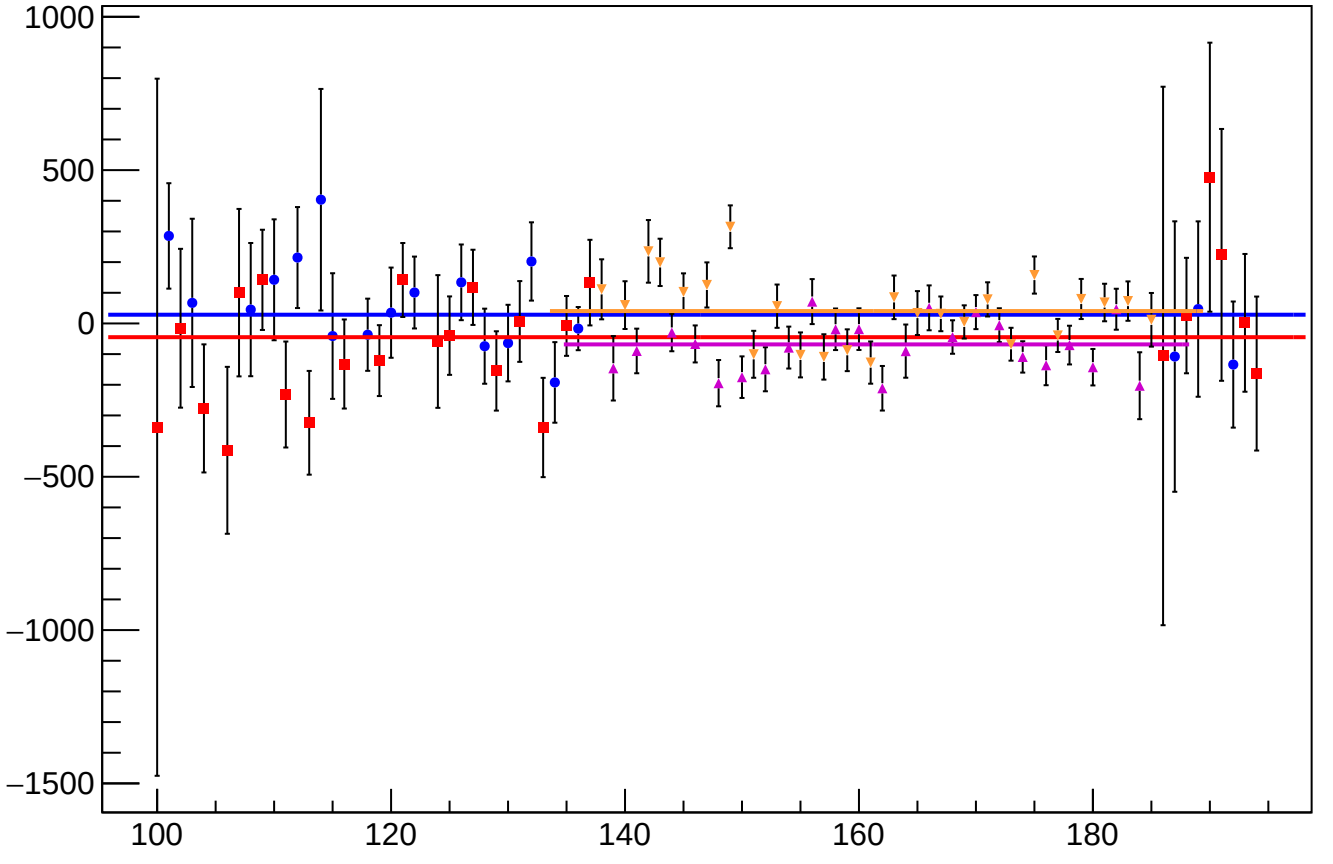
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

\+ sign 528.197+/-0.077 χ^2/NDF: 9628860.1/43

All: 532.994+/-0.055 χ^2/NDF: 21654937.8/91

\- sign 537.984+/-0.079 χ^2/NDF: 12018260.8/47

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: -44.801+/-33.342 χ^2/NDF: 21.8/24

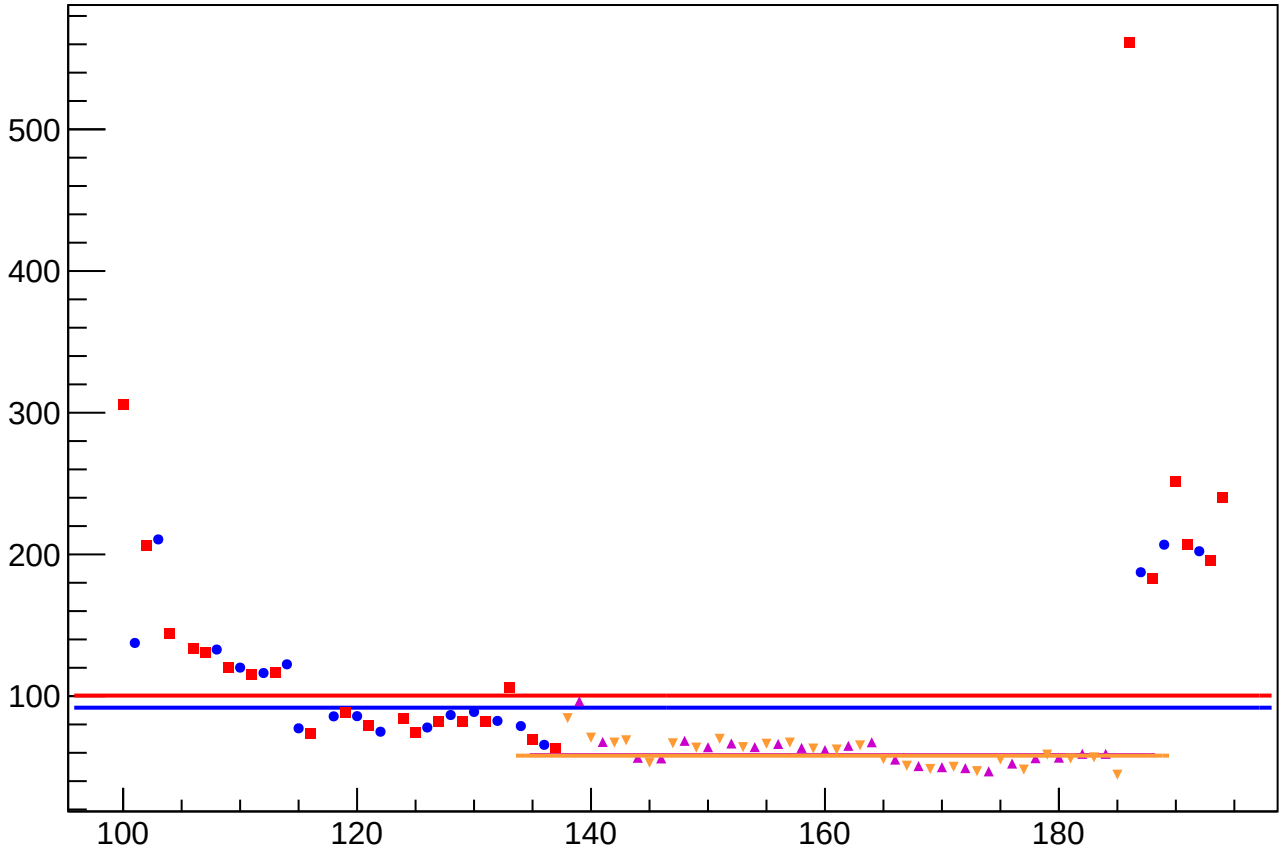
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 38.672+/-12.423 χ^2/NDF: 73.1/43

All: -11.539+/-8.916 χ^2/NDF: 160.7/91

- sign -64.872+/-12.803 χ^2/NDF: 54.0/47

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

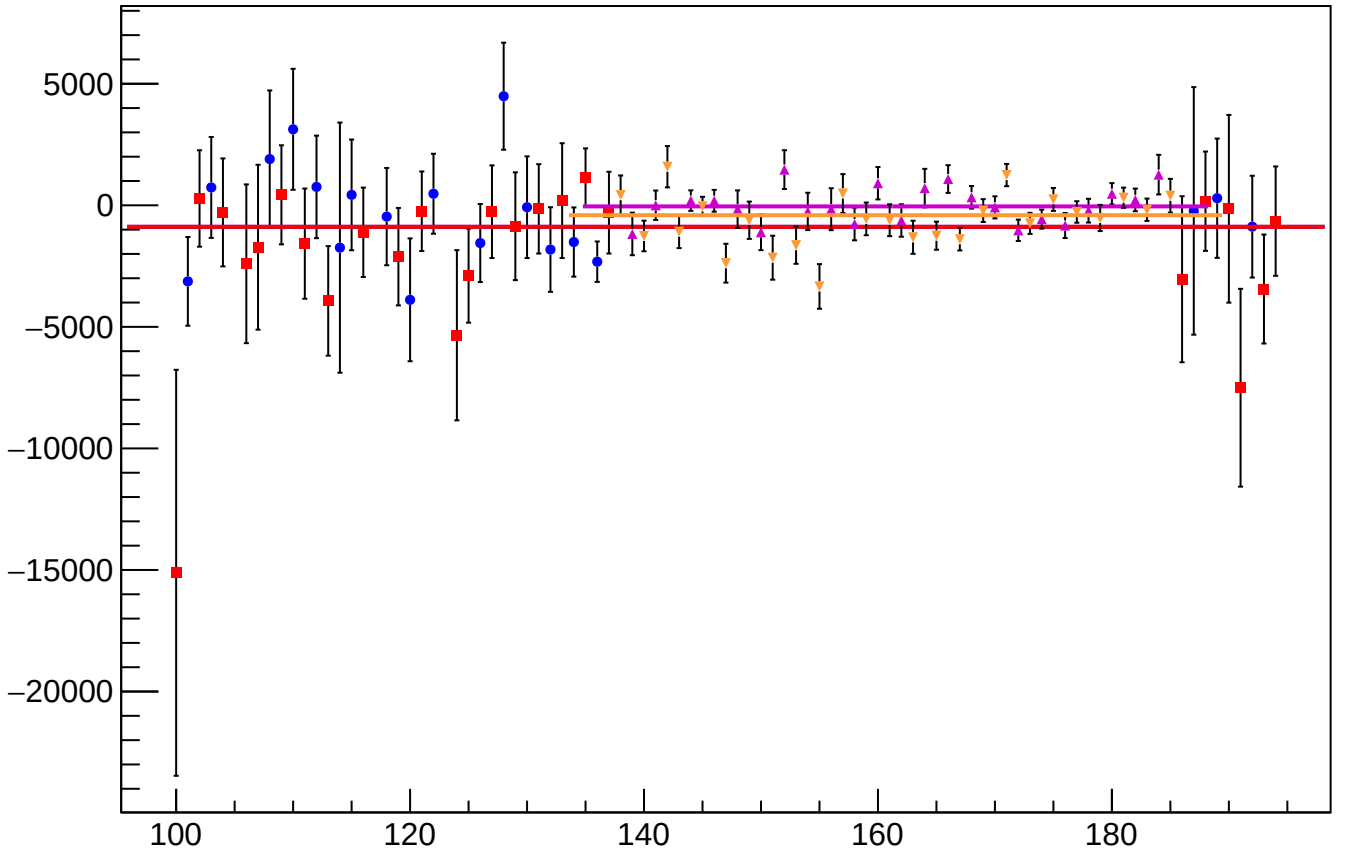
Right Out: 100.388+/-0.024 χ^2/NDF: 3607621.6/24

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 62.760+/-0.009 χ^2/NDF: 4682768.5/43

All: 63.647+/-0.006 χ^2/NDF: 11751106.3/91

- sign 64.588+/-0.009 χ^2/NDF: 7047331.2/47



Right In: -886.458+/-423.442 χ^2/NDF: 18.8/18

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

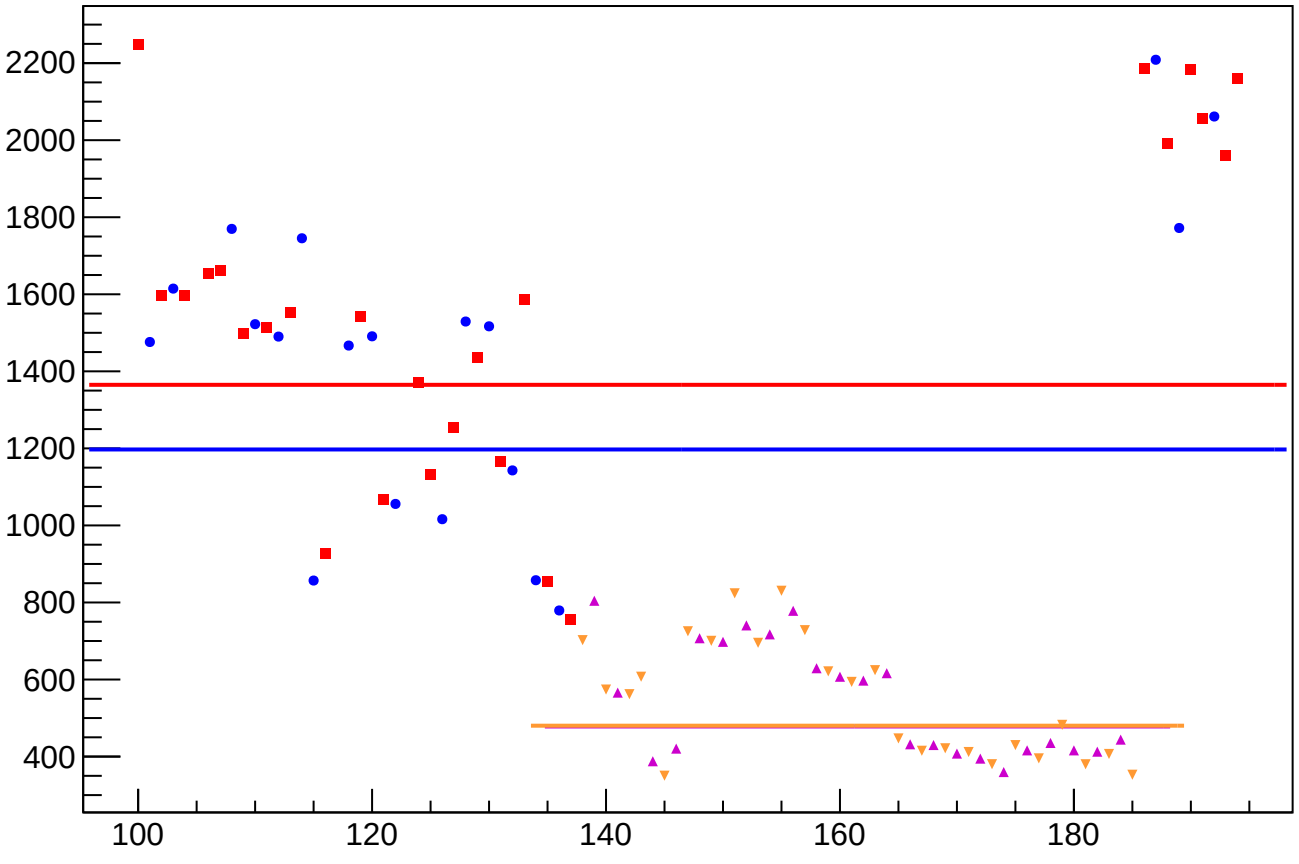
Right Out: -884.292+/-430.141 χ^2/NDF: 17.3/24

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -438.486+/-109.601 χ^2/NDF: 83.2/43

All: -273.335+/-78.261 χ^2/NDF: 139.7/91

- sign -101.528+/-111.787 χ^2/NDF: 51.9/47



Right In: 1197.162+/-0.299 χ^2/NDF: 1696520.0/18

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1364.970+/-0.304 χ^2/NDF: 1874563.2/24

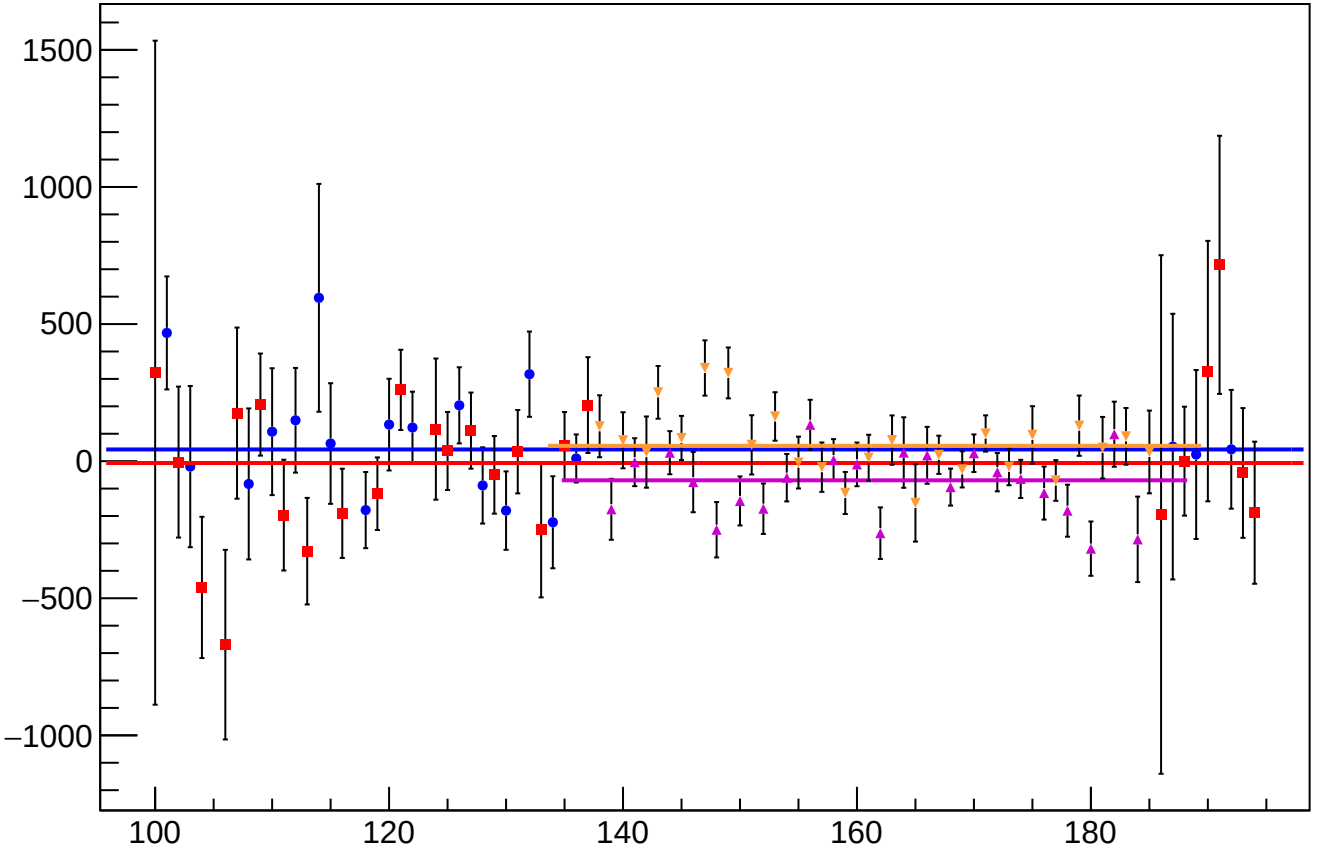
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 528.197+/-0.077 χ^2/NDF: 9628860.1/43

All: 532.994+/-0.055 χ^2/NDF: 21654937.8/91

- sign 537.984+/-0.079 χ^2/NDF: 12018260.8/47

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: -6.695+/-38.886 χ^2/NDF: 24.8/24

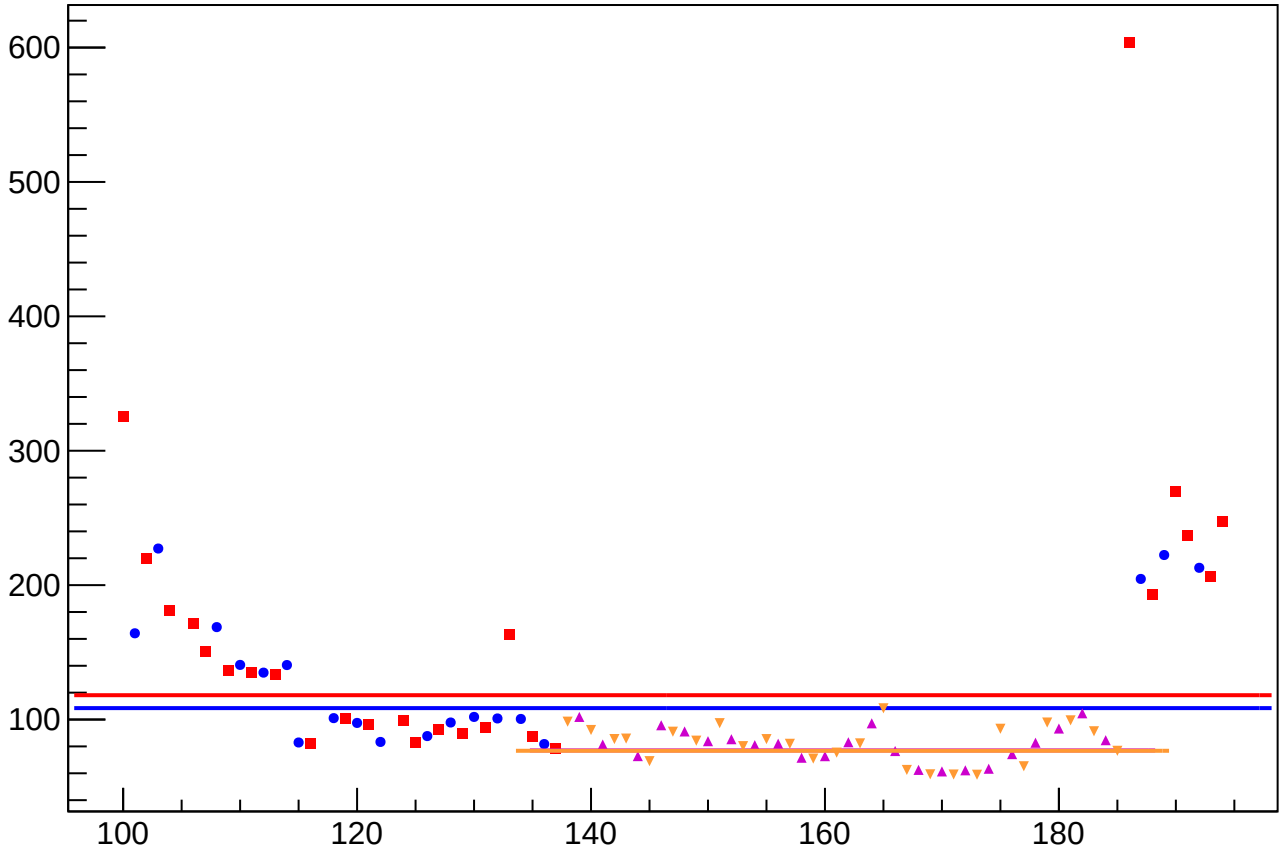
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 53.617+/-16.294 χ^2/NDF: 58.7/43

All: -0.900+/-11.664 χ^2/NDF: 143.1/91

- sign -58.192+/-16.703 χ^2/NDF: 61.4/47

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

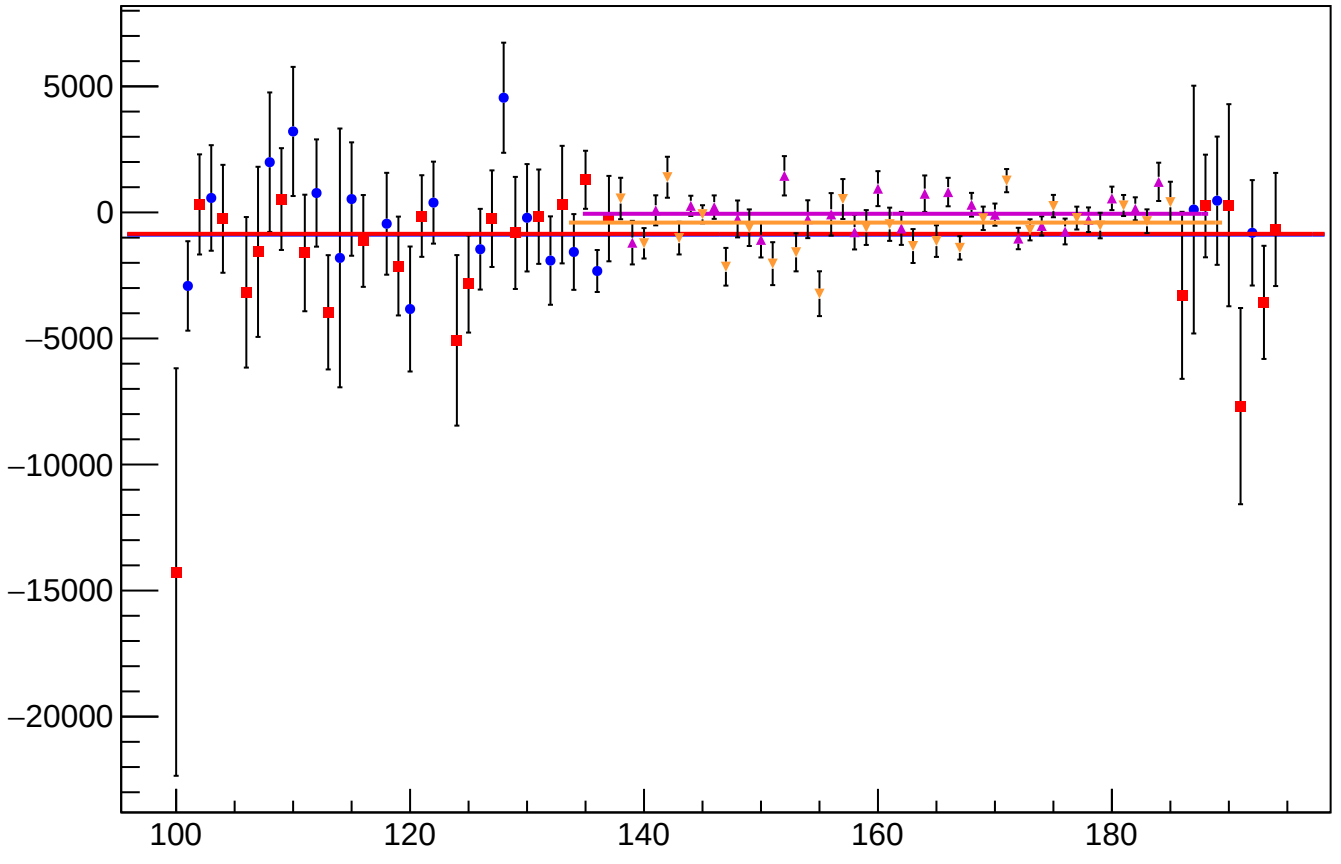
Right Out: 118.101+/-0.027 χ^2/NDF: 3285381.5/24

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 82.330+/-0.012 χ^2/NDF: 4181442.3/43

All: 83.436+/-0.008 χ^2/NDF: 10165029.6/91

- sign 84.598+/-0.012 χ^2/NDF: 5964698.6/47



Right In: -880.392+/-425.373 χ^2/NDF: 18.8/18

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -849.235+/-425.687 χ^2/NDF: 19.1/24

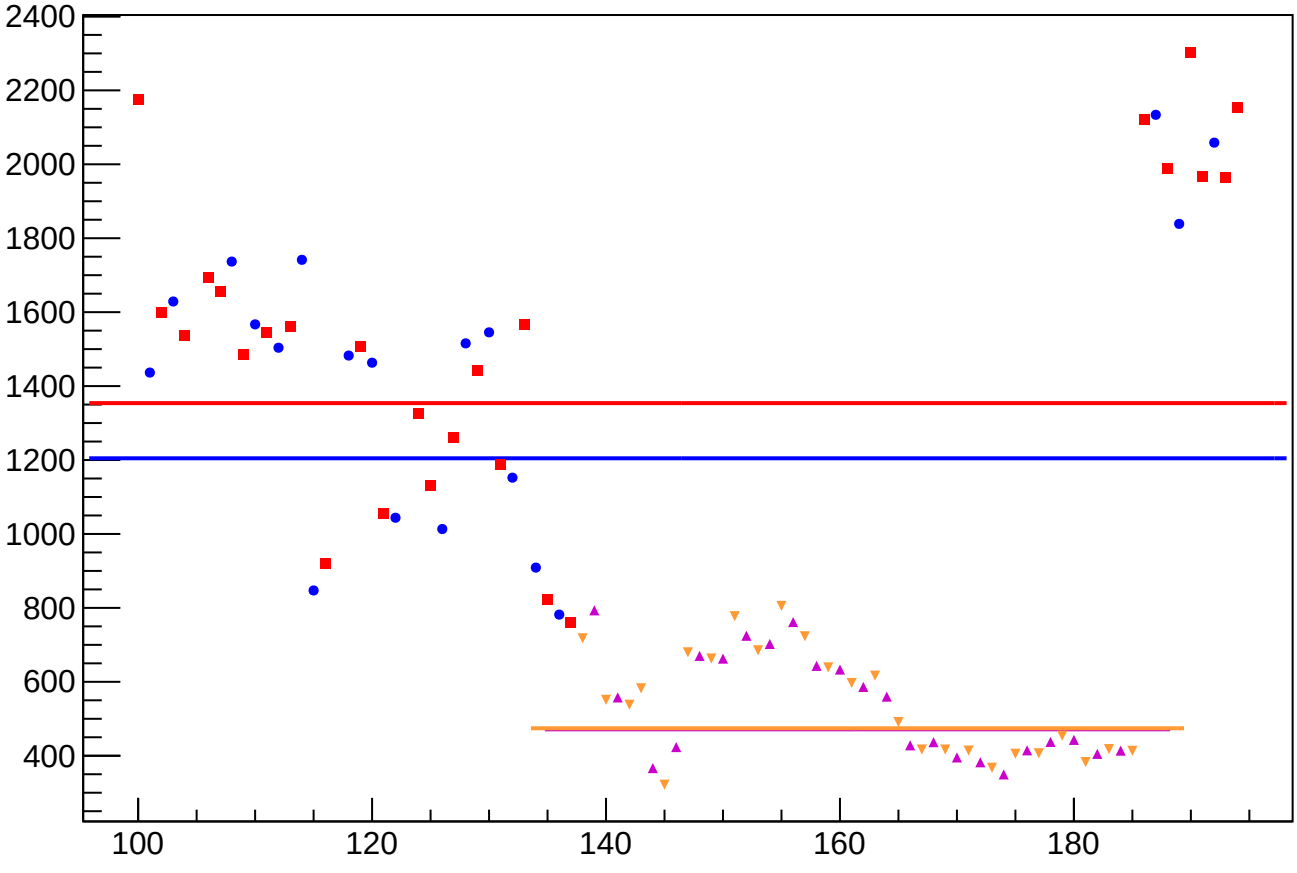
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -434.184+/-108.103 χ^2/NDF: 80.7/43

All: -274.202+/-77.213 χ^2/NDF: 138.2/91

- sign -107.590+/-110.321 χ^2/NDF: 53.0/47

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: 1353.941+/-0.301 χ^2/NDF: 1943676.5/24

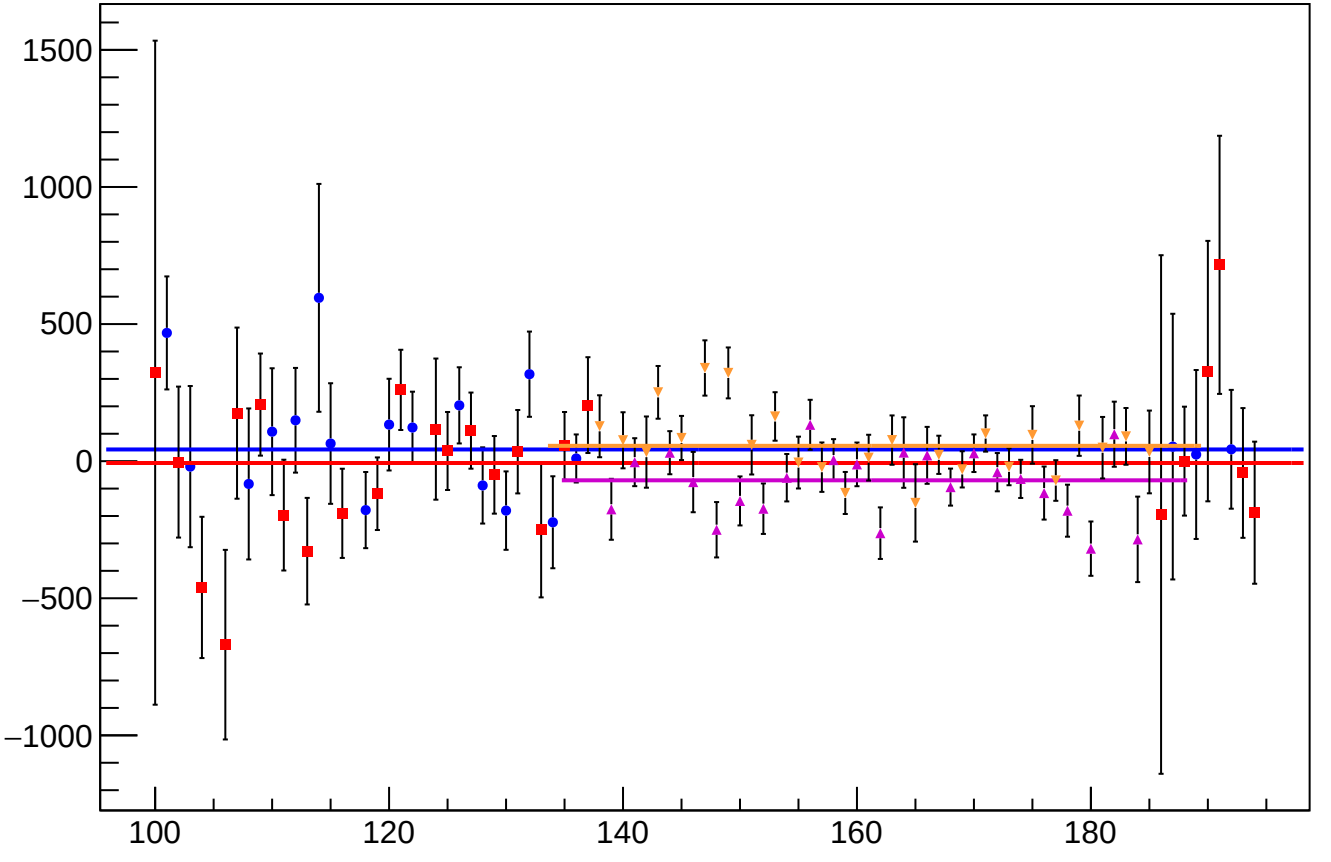
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 521.467+/-0.076 χ^2/NDF: 9720735.6/43

All: 526.003+/-0.055 χ^2/NDF: 21899013.7/91

- sign 530.727+/-0.078 χ^2/NDF: 12171090.6/47

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: -6.692+/-38.886 χ^2/NDF: 24.8/24

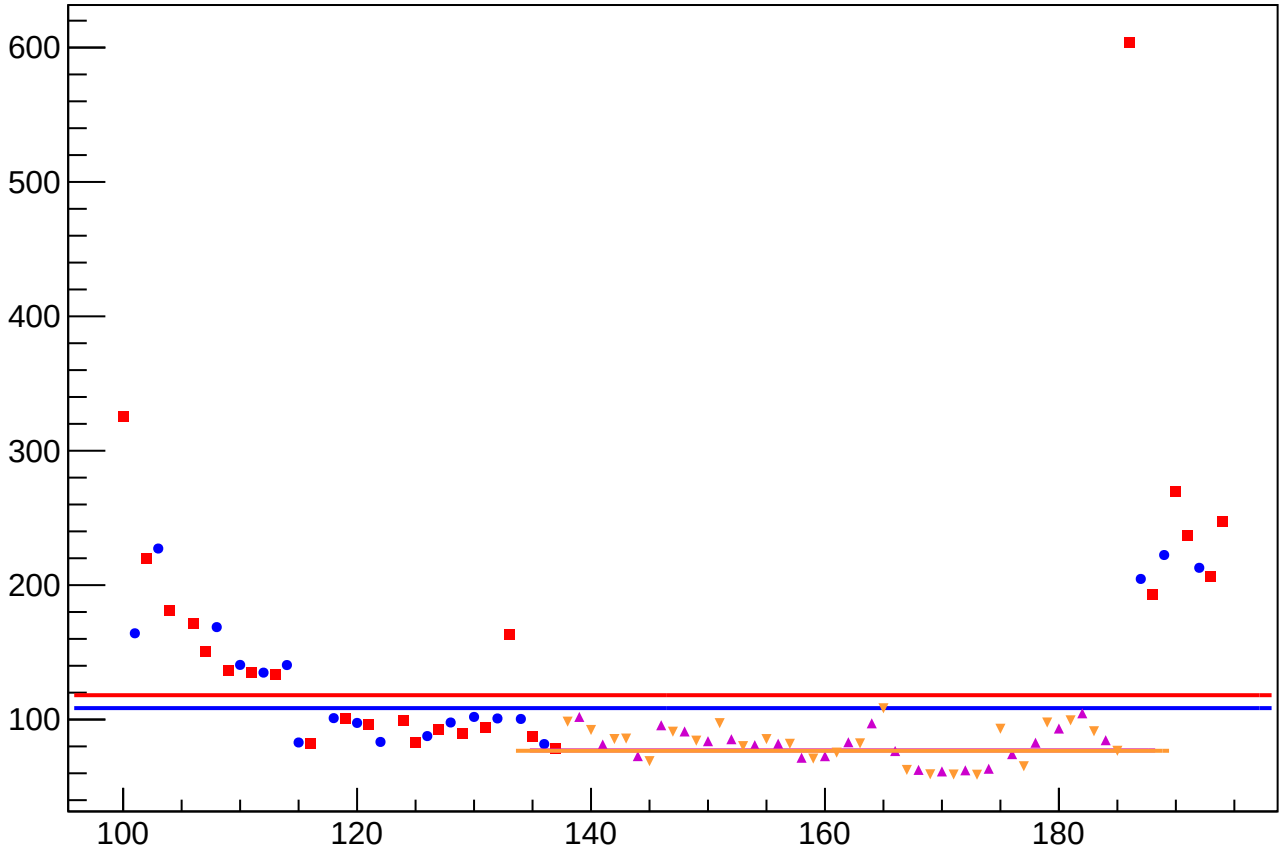
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 53.616+/-16.294 χ^2/NDF: 58.7/43

All: -0.900+/-11.664 χ^2/NDF: 143.1/91

- sign -58.191+/-16.703 χ^2/NDF: 61.4/47

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

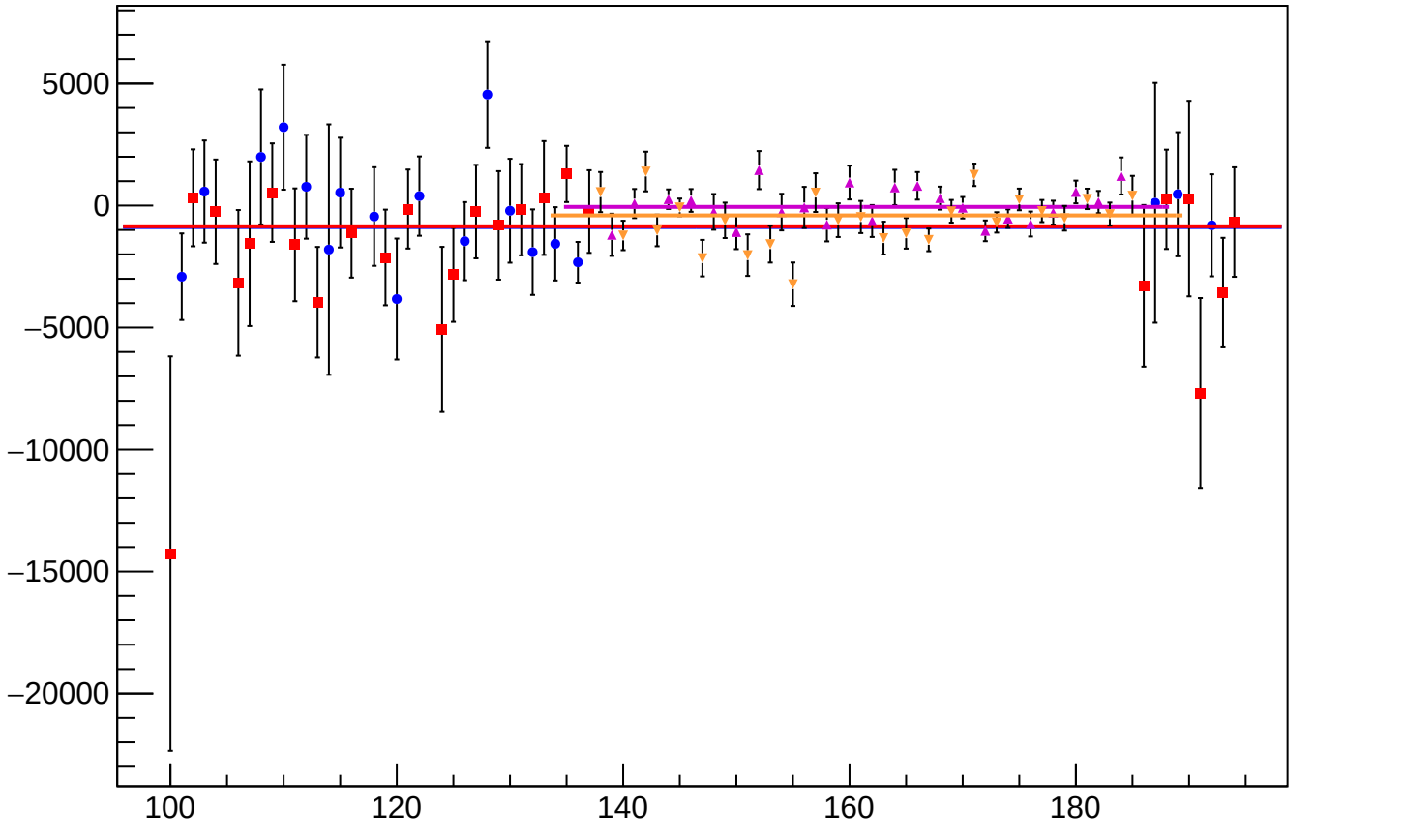
Right Out: 118.101+/-0.027 χ^2/NDF: 3285387.6/24

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 82.331+/-0.012 χ^2/NDF: 4181409.1/43

All: 83.436+/-0.008 χ^2/NDF: 10164960.4/91

- sign 84.598+/-0.012 χ^2/NDF: 5964661.9/47



Right In: -880.389+/-425.372 χ^2/NDF: 18.8/18

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

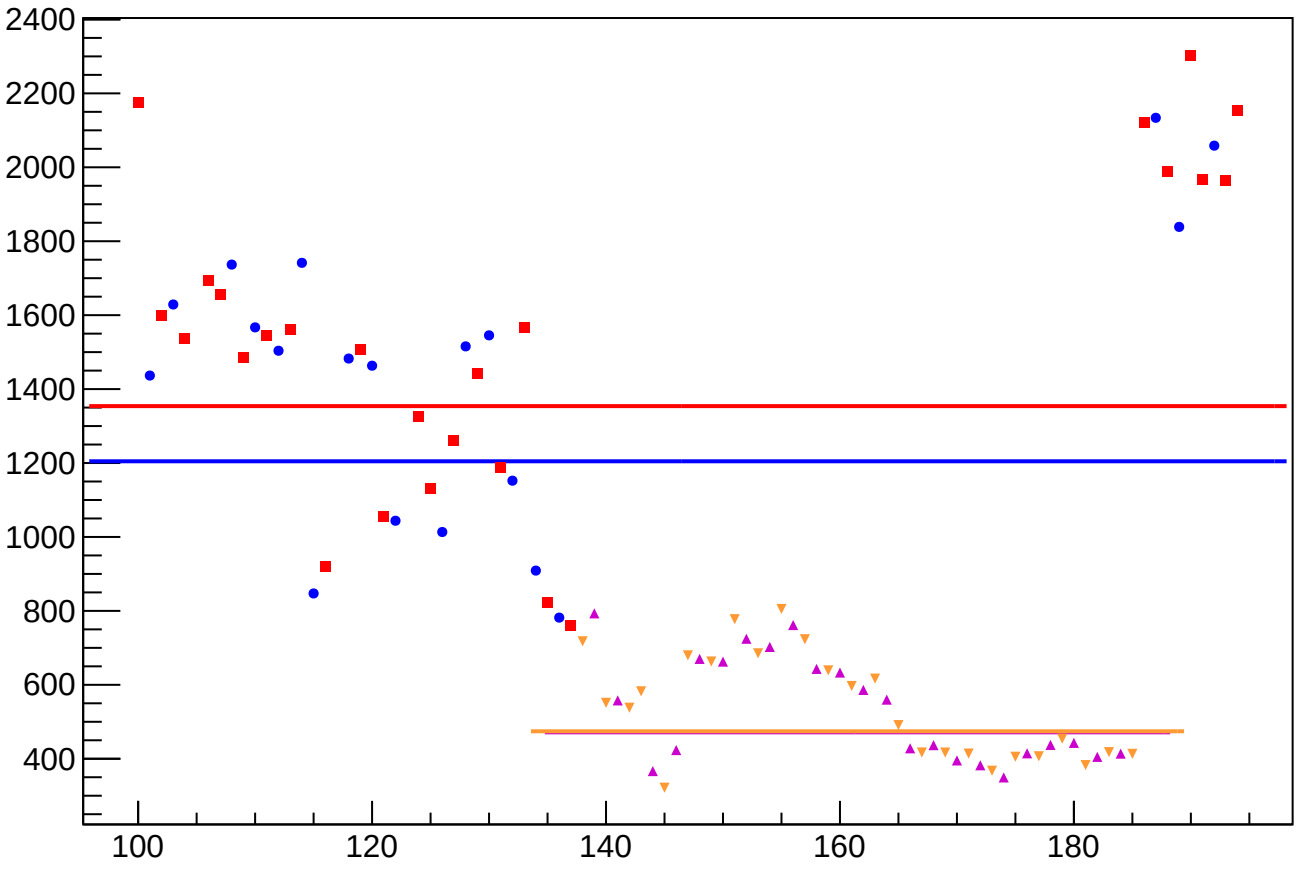
Right Out: -849.235+/-425.686 χ^2/NDF: 19.1/24

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -434.183+/-108.103 χ^2/NDF: 80.7/43

All: -274.202+/-77.213 χ^2/NDF: 138.2/91

- sign -107.590+/-110.321 χ^2/NDF: 53.0/47



Right In: 1204.690+/-0.301 χ^2/NDF: 1665881.4/18

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1353.939+/-0.301 χ^2/NDF: 1943669.4/24

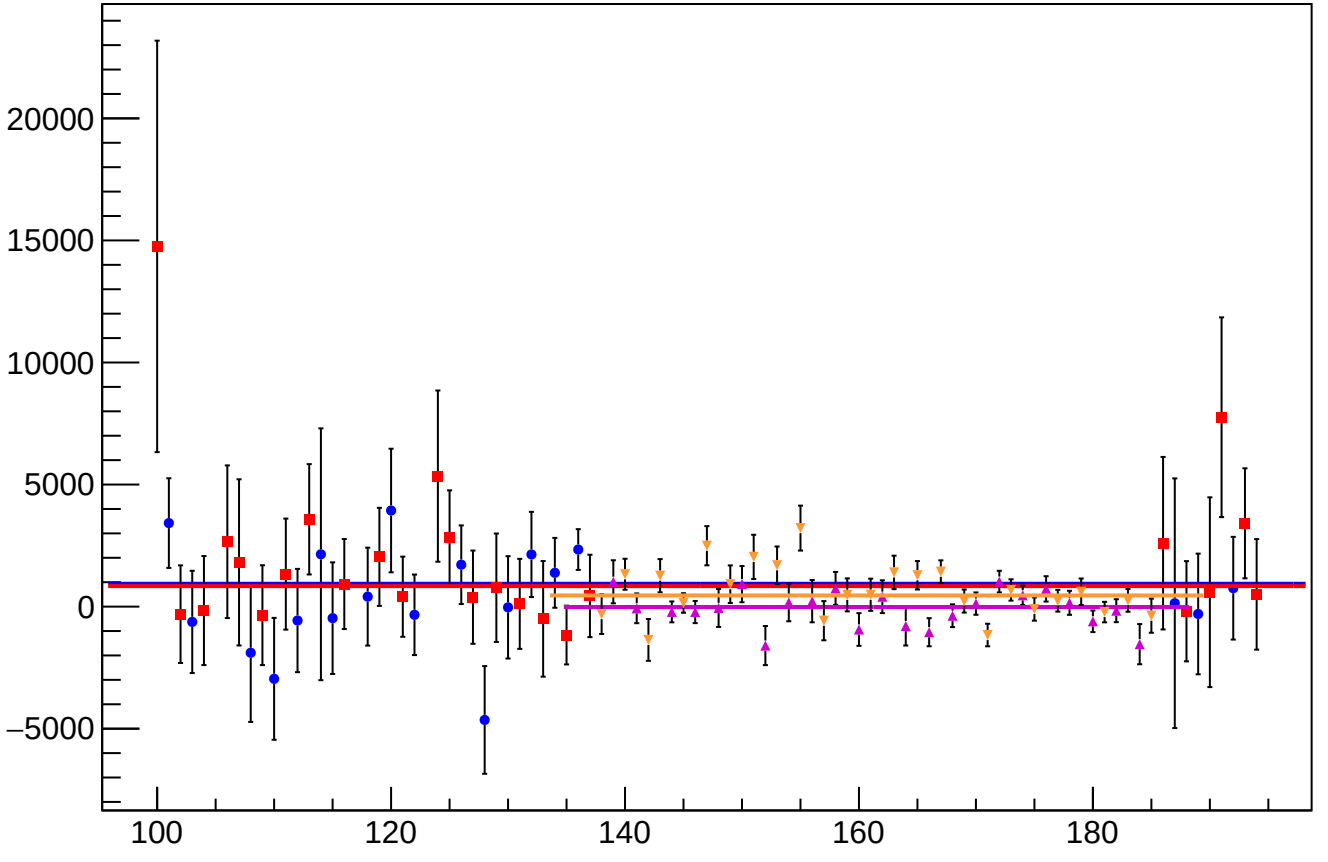
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 521.467+/-0.076 χ^2/NDF: 9720728.2/43

All: 526.003+/-0.055 χ^2/NDF: 21898987.1/91

- sign 530.727+/-0.078 χ^2/NDF: 12171071.1/47

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: 839.571+/-431.567 χ^2/NDF: 16.7/24

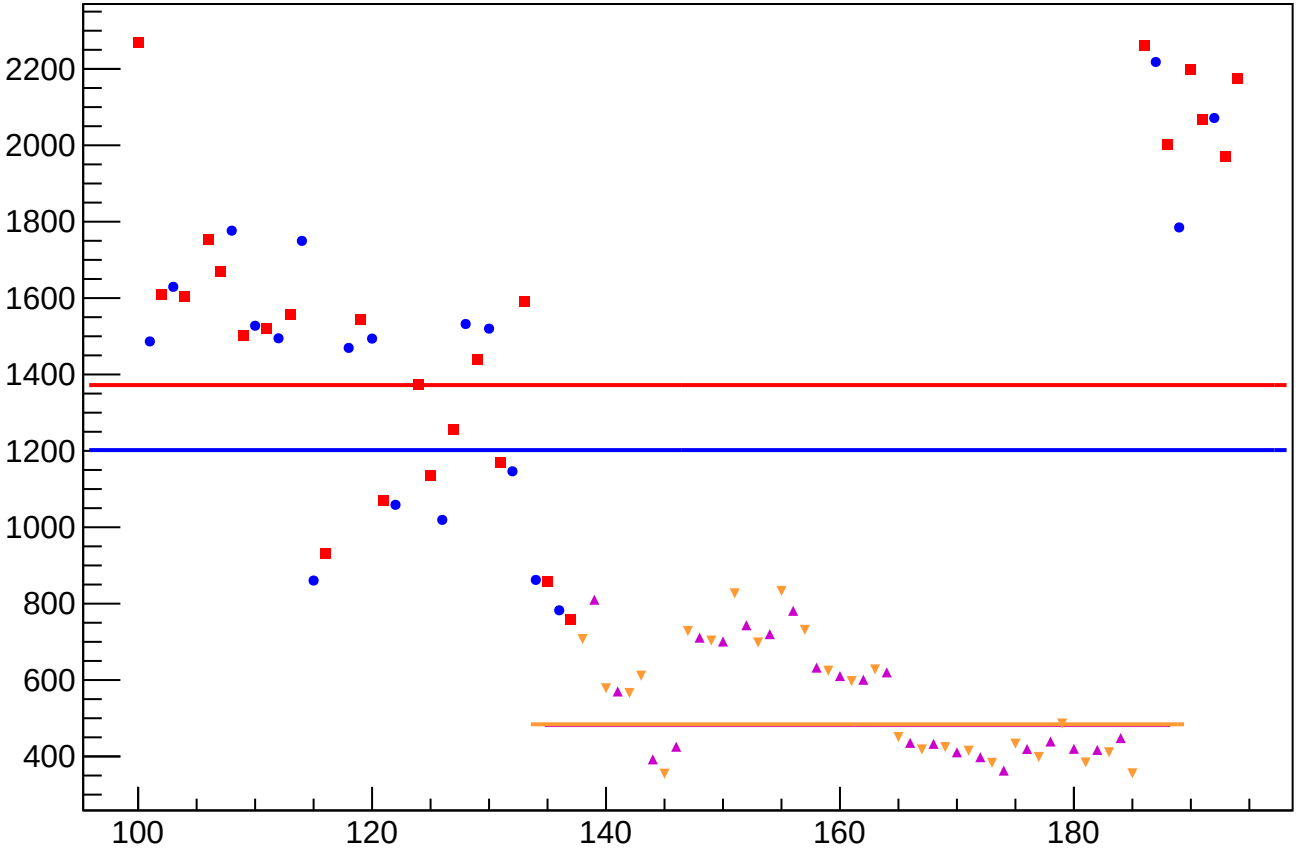
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 489.556+/-110.427 χ^2/NDF: 79.9/43

All: 270.809+/-78.859 χ^2/NDF: 138.6/91

- sign 43.147+/-112.655 χ^2/NDF: 50.6/47

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

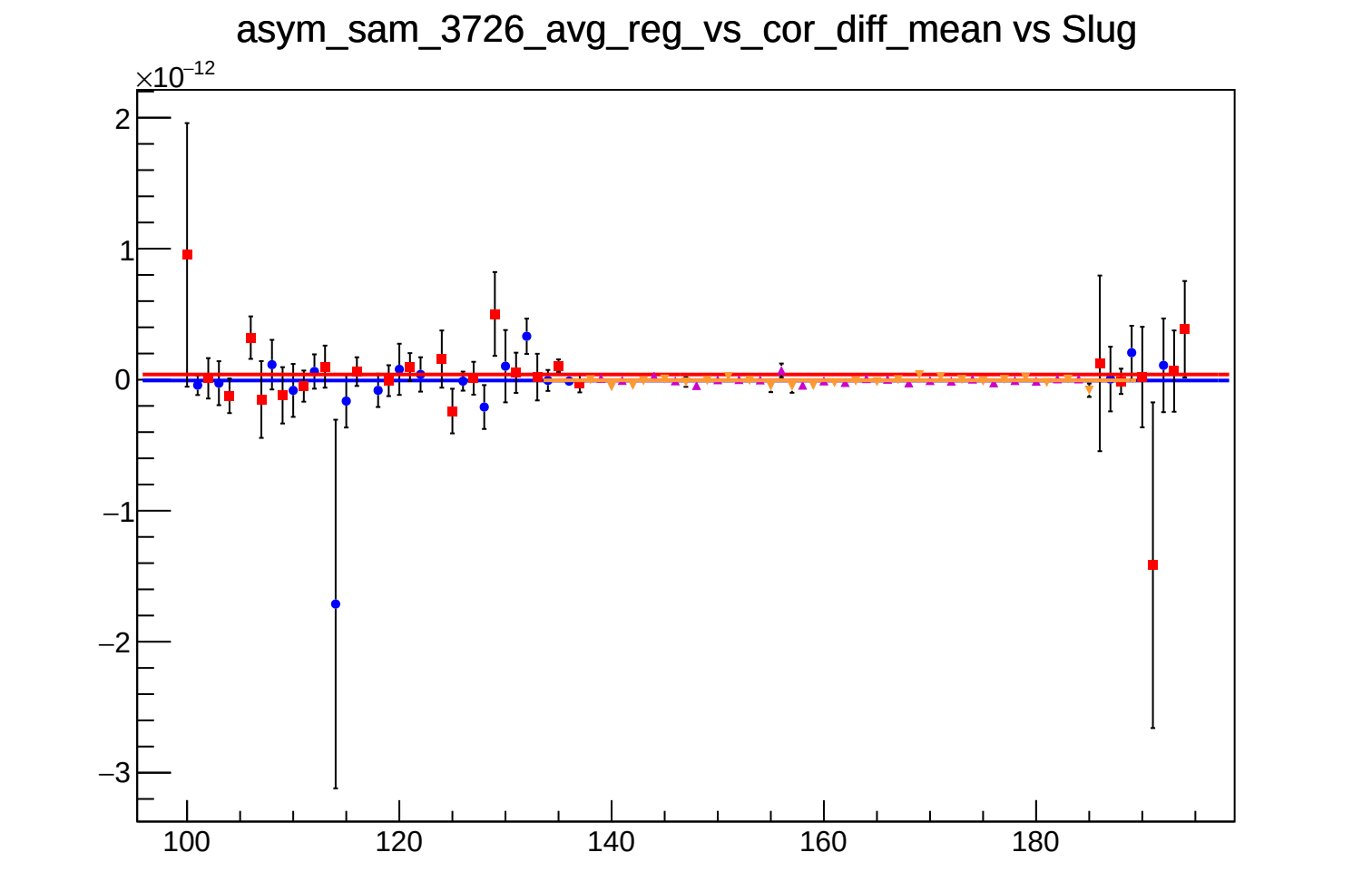
Right Out: 1372.227+/-0.305 χ^2/NDF: 1910255.9/24

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 532.554+/-0.078 χ^2/NDF: 9564091.5/43

All: 537.579+/-0.056 χ^2/NDF: 21596869.2/91

- sign 542.809+/-0.080 χ^2/NDF: 12024326.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

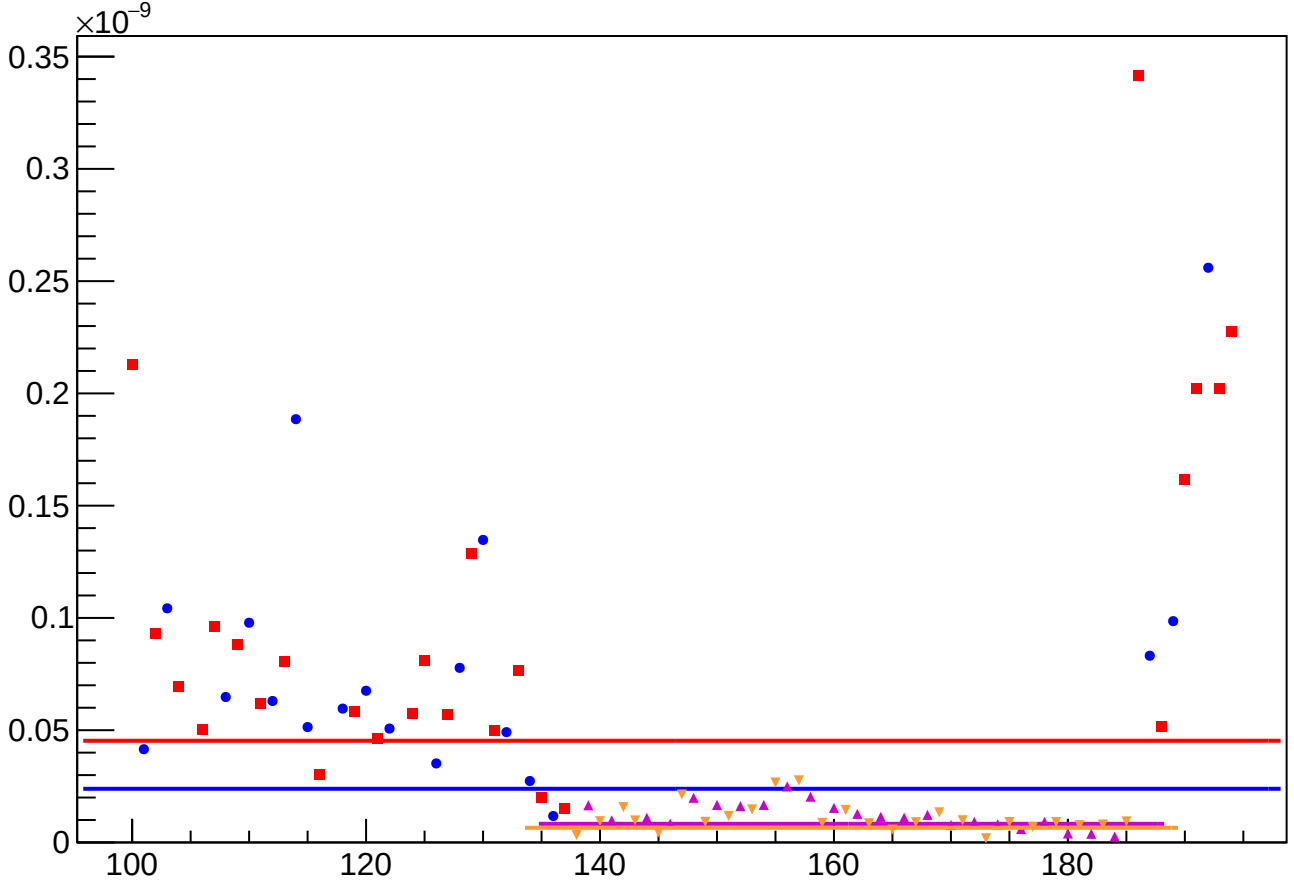
Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/24

Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.0/43

All: -0.000+/-0.000 χ^2/NDF: 80.0/91

- sign -0.000+/-0.000 χ^2/NDF: 36.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 4087099.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3506137.5/24

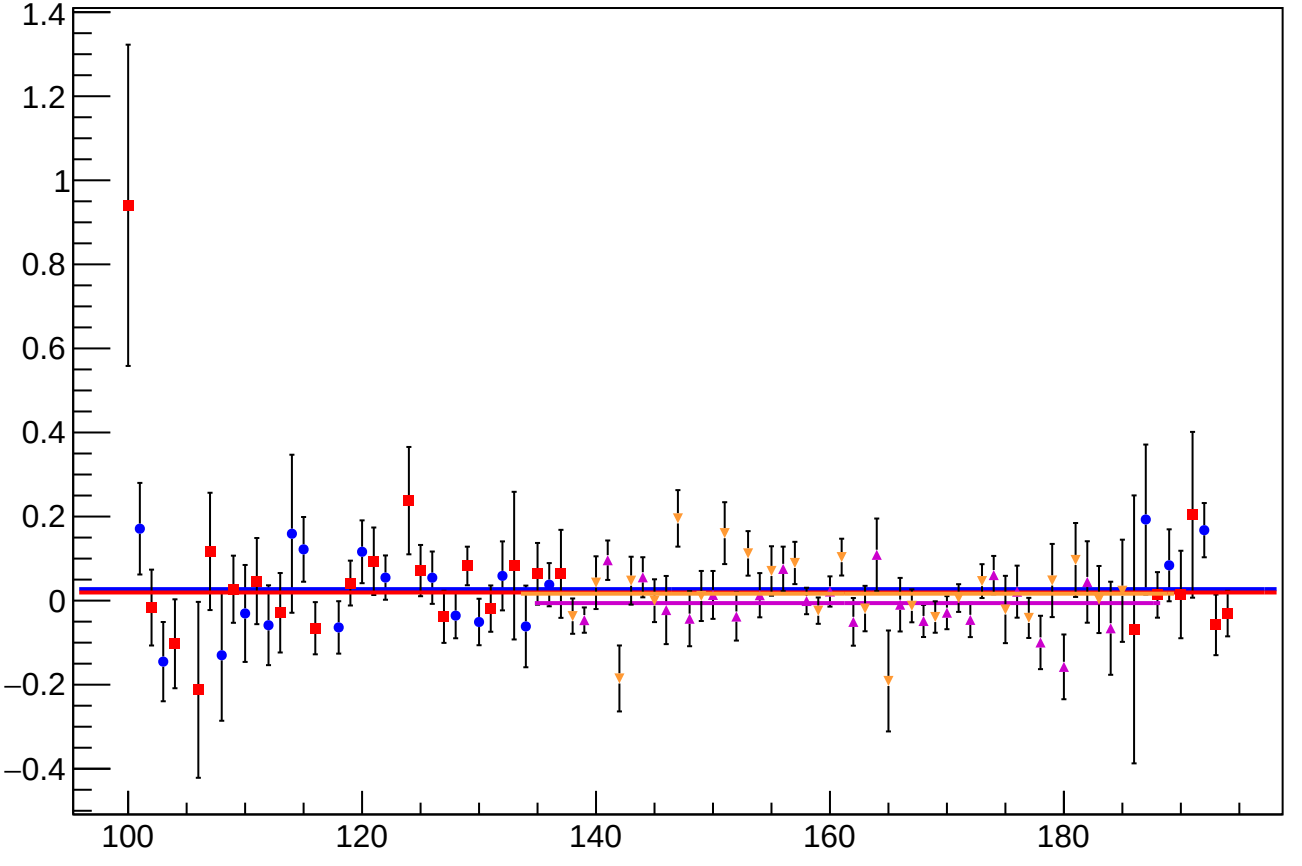
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9792515.2/43

All: 0.000+/-0.000 χ^2/NDF: 20447221.5/91

- sign 0.000+/-0.000 χ^2/NDF: 10323289.5/47

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: 0.019+/-0.016 χ^2/NDF: 22.8/24

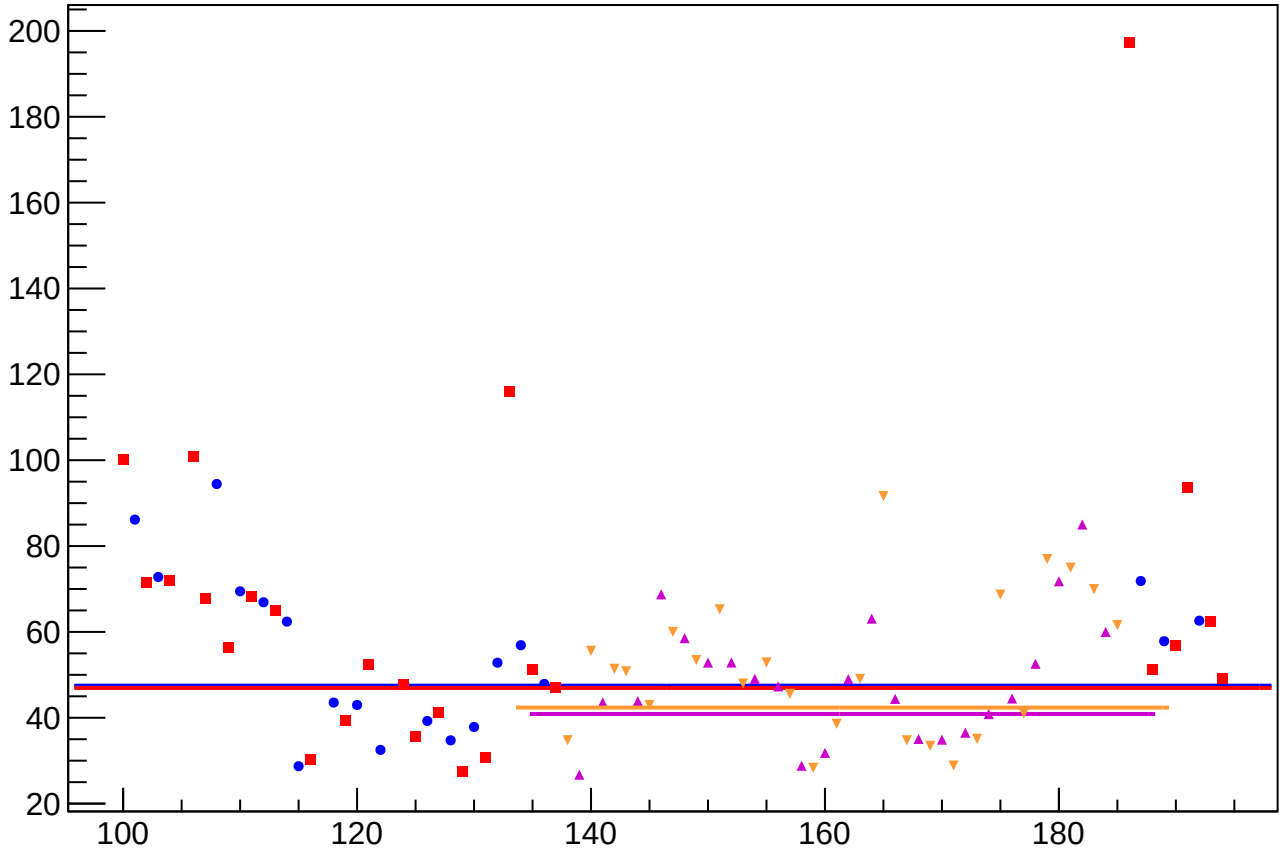
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.0/43

All: 0.010+/-0.006 χ^2/NDF: 117.6/91

- sign 0.002+/-0.009 χ^2/NDF: 50.6/47

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: 46.949+/-0.011 χ^2/NDF: 2476187.8/24

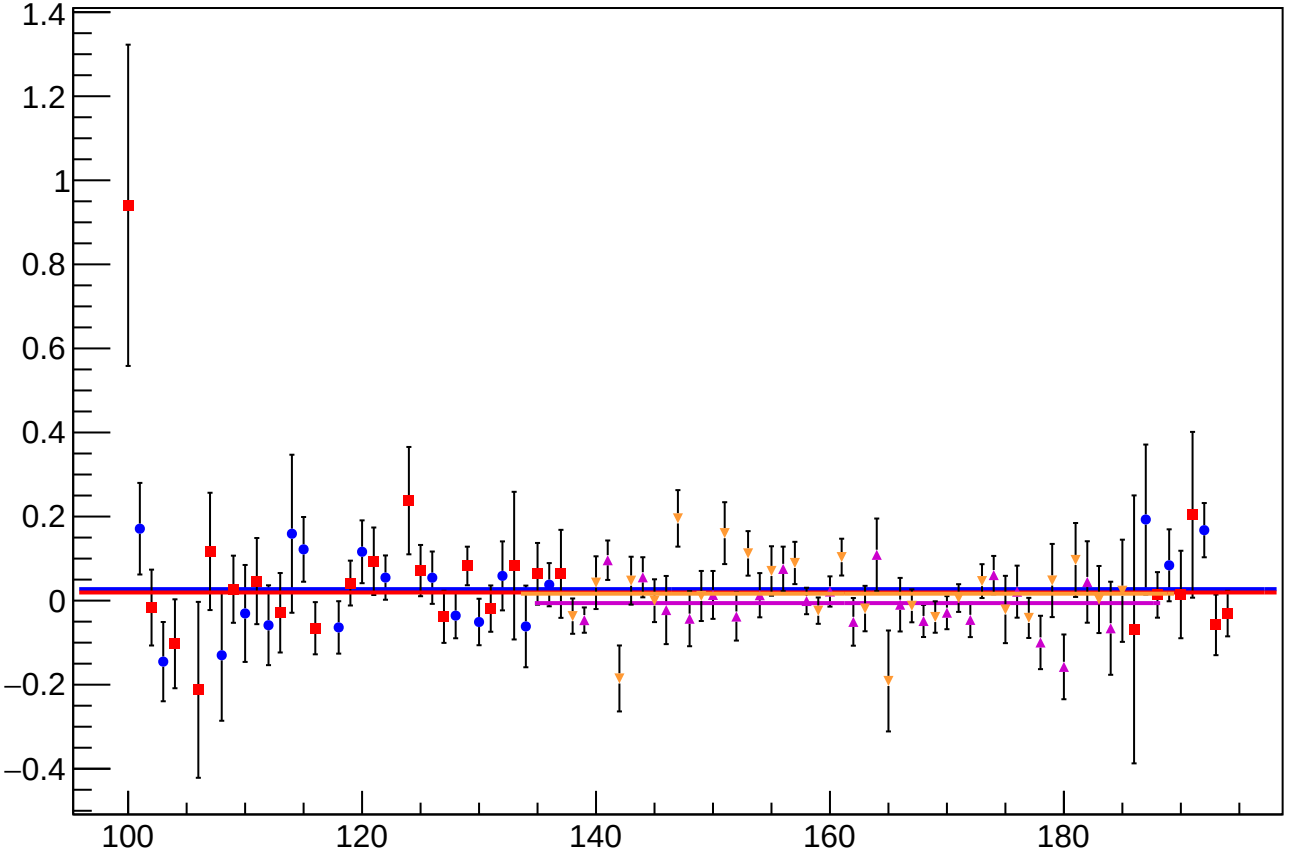
Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.733+/-0.006 χ^2/NDF: 4773804.7/43

All: 43.212+/-0.004 χ^2/NDF: 10153403.9/91

- sign 42.725+/-0.006 χ^2/NDF: 5366238.7/47

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.027+/-0.017 χ^2/NDF: 23.6/18

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

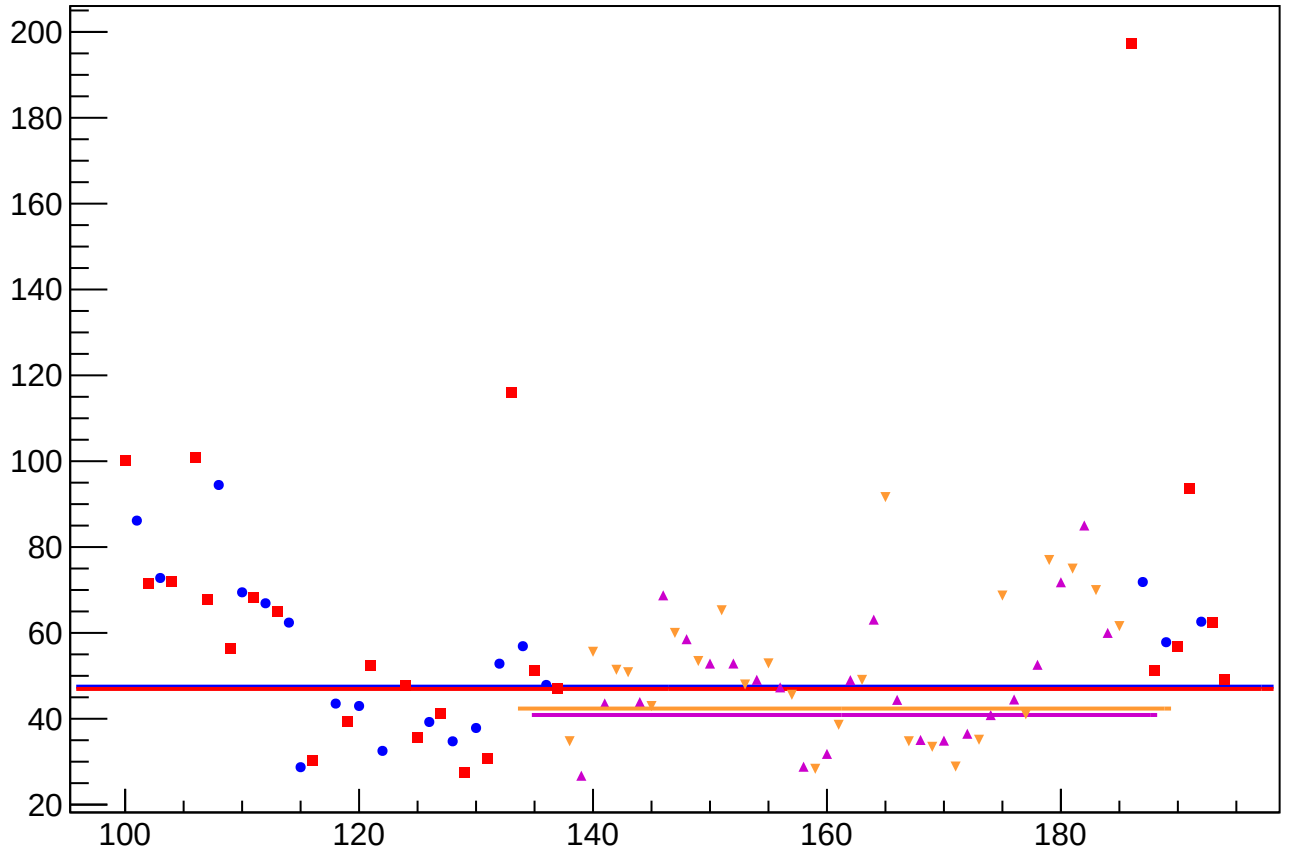
Right Out: 0.019+/-0.016 χ^2/NDF: 22.8/24

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.0/43

All: 0.010+/-0.006 χ^2/NDF: 117.6/91

- sign 0.002+/-0.009 χ^2/NDF: 50.6/47



Right In: 47.476+/-0.012 χ^2/NDF: 1453424.5/18

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

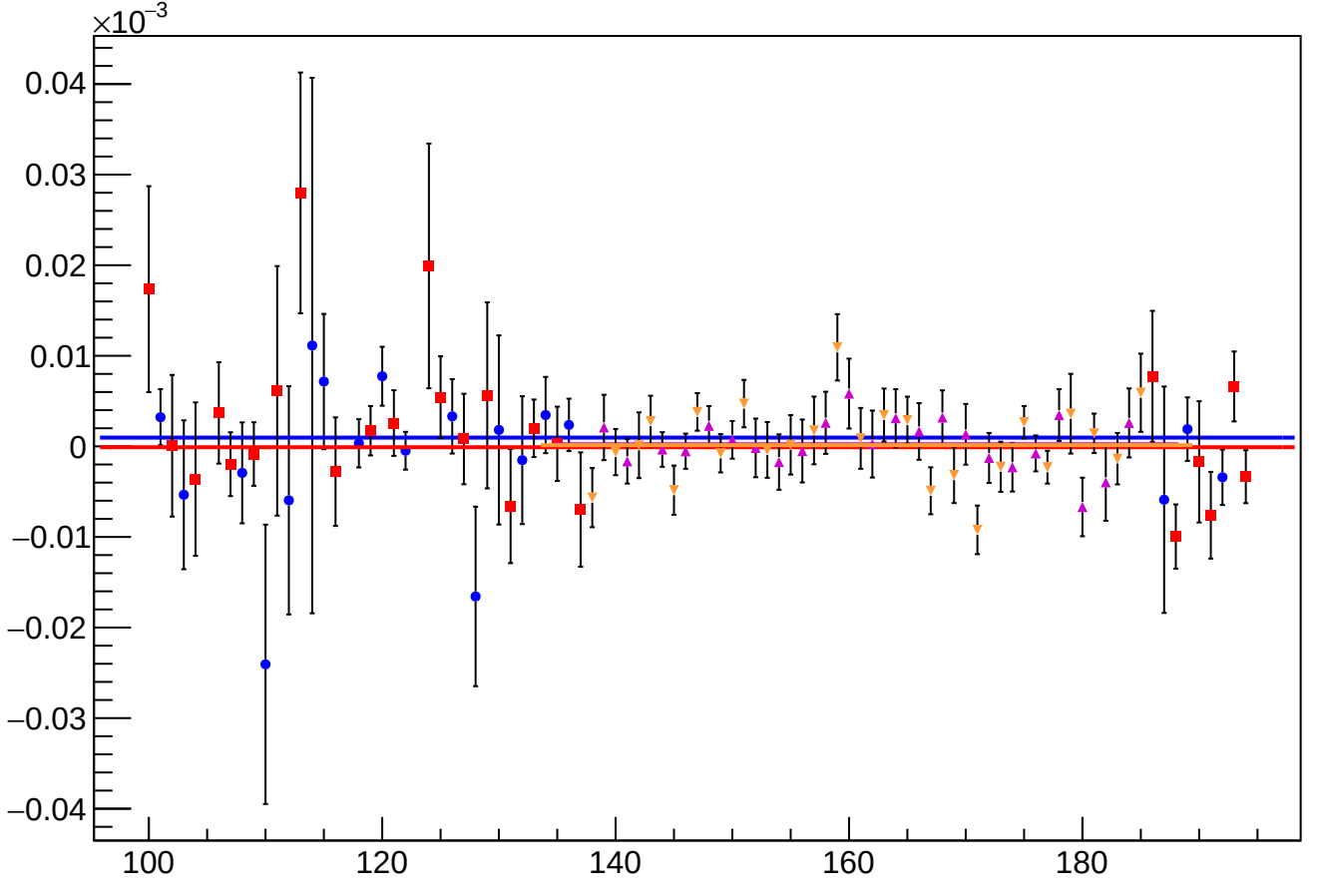
Right Out: 46.949+/-0.011 χ^2/NDF: 2476187.8/24

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.733+/-0.006 χ^2/NDF: 4773804.7/43

All: 43.212+/-0.004 χ^2/NDF: 10153403.9/91

- sign 42.725+/-0.006 χ^2/NDF: 5366238.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

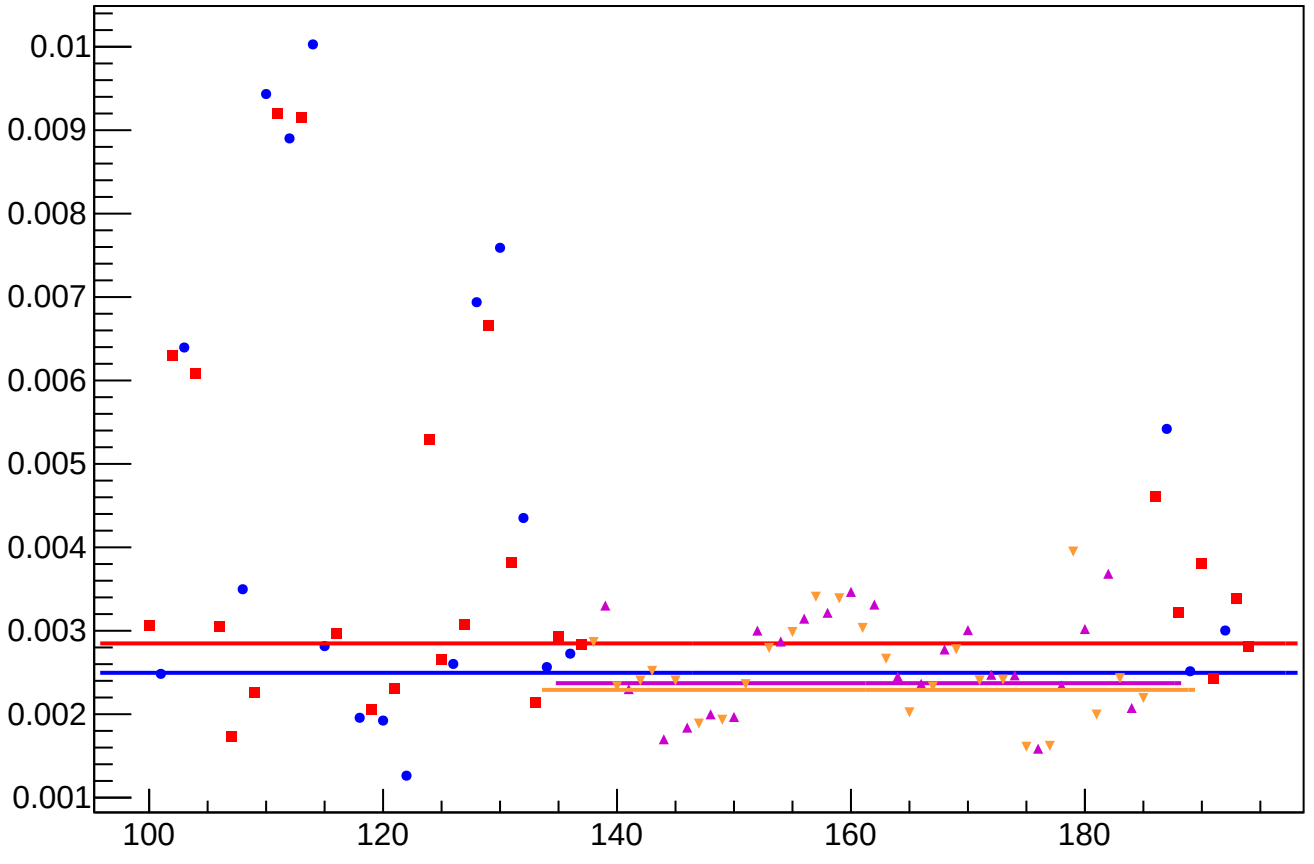
Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/24

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.3/43

All: 0.000+/-0.000 χ^2/NDF: 114.9/91

- sign 0.000+/-0.000 χ^2/NDF: 47.5/47



Right In: 0.002+/-0.000 χ^2/NDF: 3608413.9/18

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 2764330.0/24

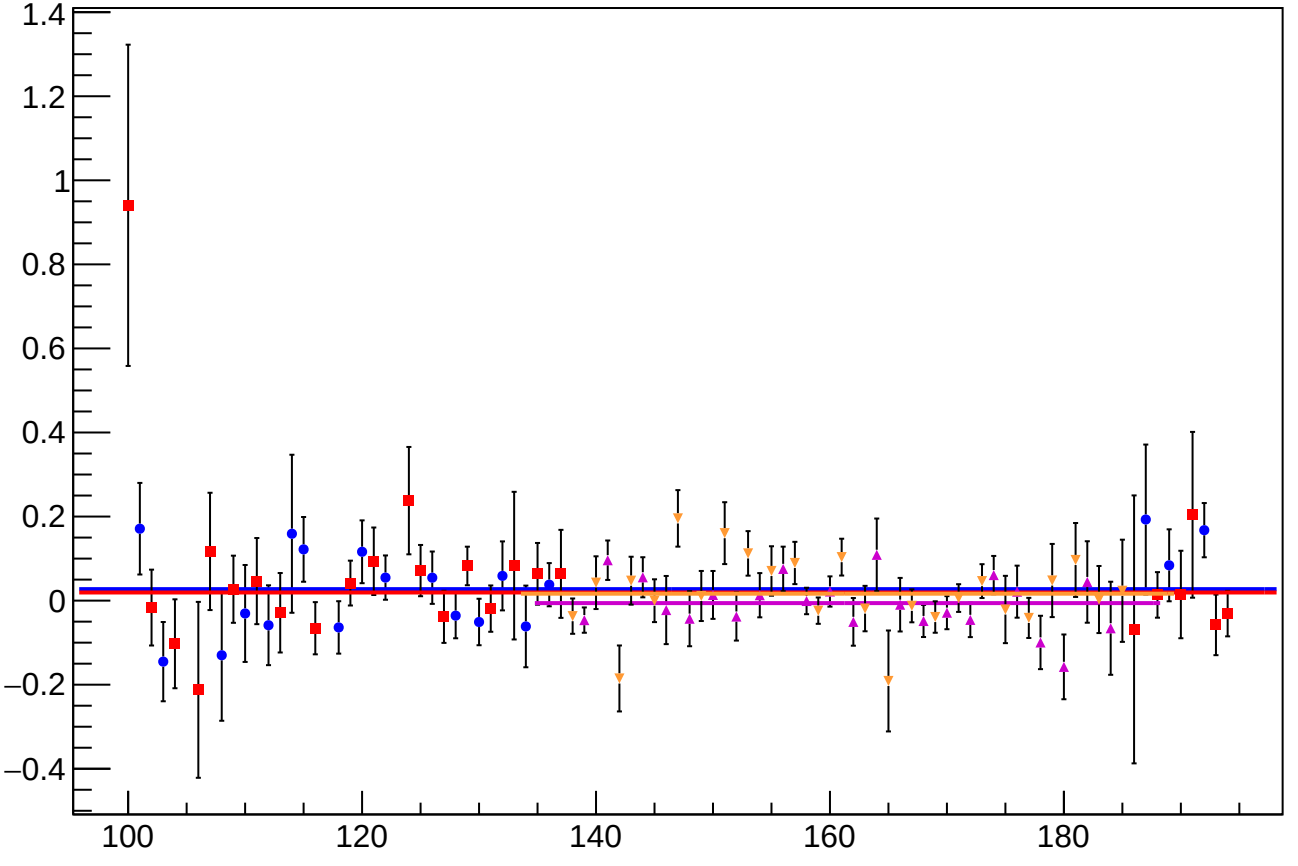
Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5497902.6/43

All: 0.002+/-0.000 χ^2/NDF: 10772452.3/91

- sign 0.003+/-0.000 χ^2/NDF: 5160410.2/47

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: 0.019+/-0.016 χ^2/NDF: 22.8/24

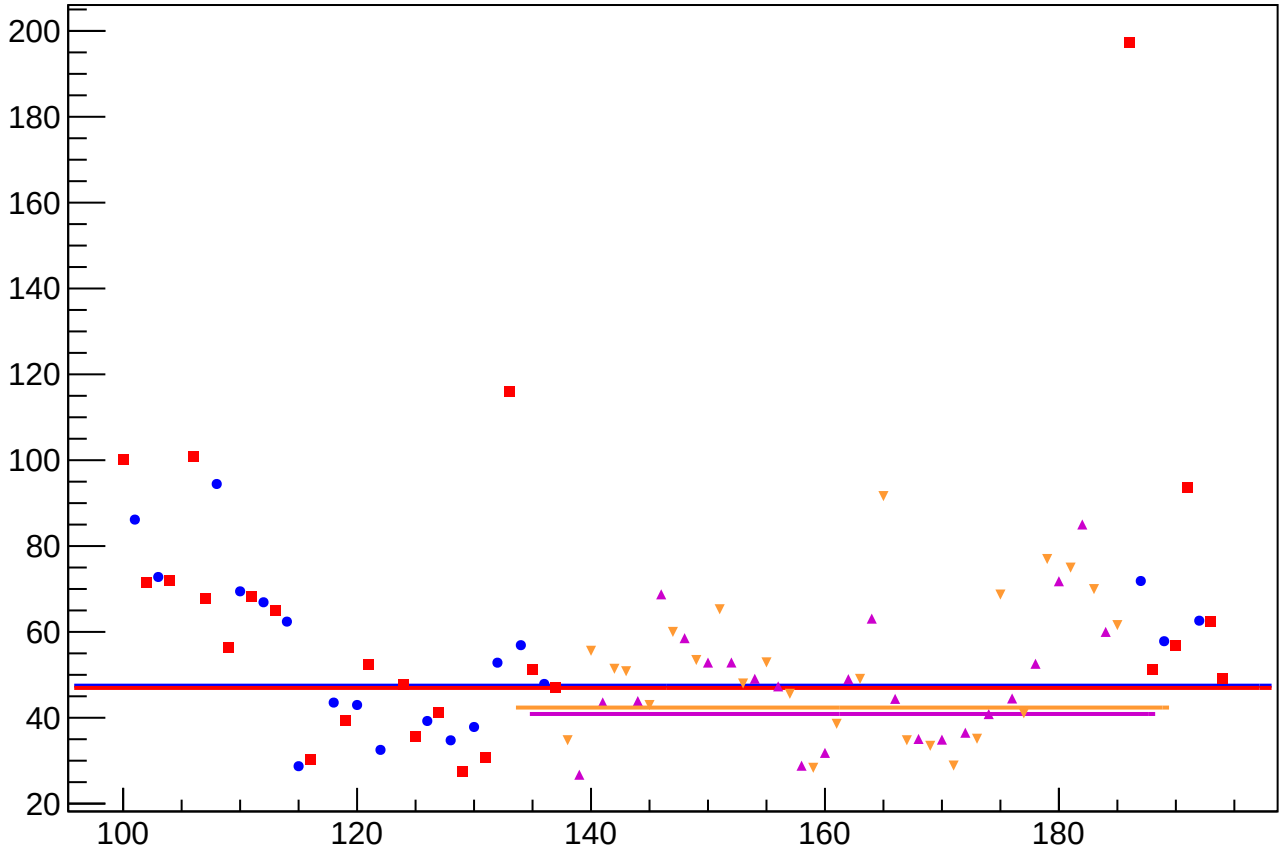
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.0/43

All: 0.010+/-0.006 χ^2/NDF: 117.6/91

- sign 0.002+/-0.009 χ^2/NDF: 50.6/47

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: 46.950+/-0.011 χ^2/NDF: 2476087.6/24

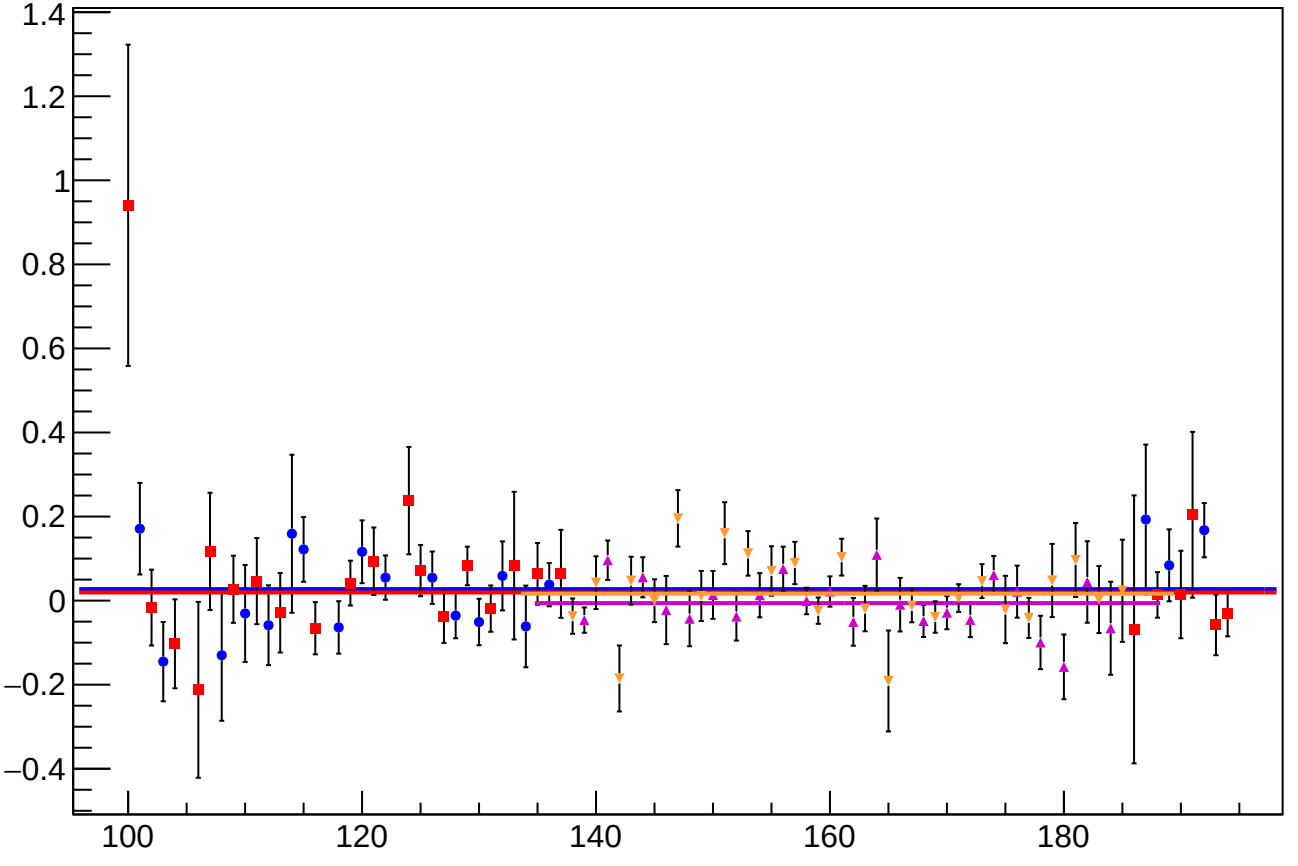
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.733+/-0.006 χ^2/NDF: 4773773.0/43

All: 43.213+/-0.004 χ^2/NDF: 10153280.3/91

- sign 42.725+/-0.006 χ^2/NDF: 5366149.7/47

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

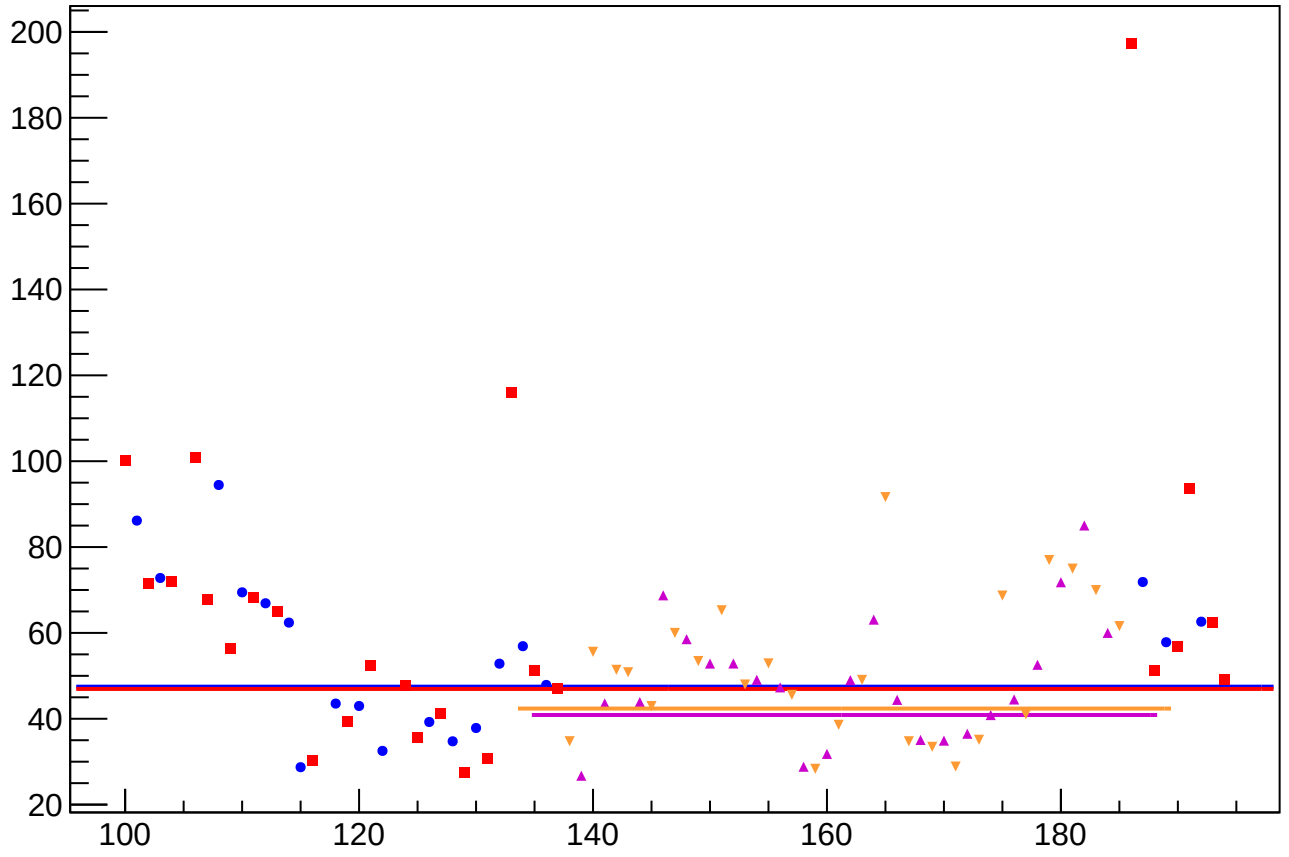
Right Out: 0.019+/-0.016 χ^2/NDF: 22.8/24

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.019+/-0.009 χ^2/NDF: 65.0/43

All: 0.010+/-0.006 χ^2/NDF: 117.6/91

- sign 0.002+/-0.009 χ^2/NDF: 50.6/47



Right In: 47.476+/-0.012 χ^2/NDF: 1453381.0/18

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

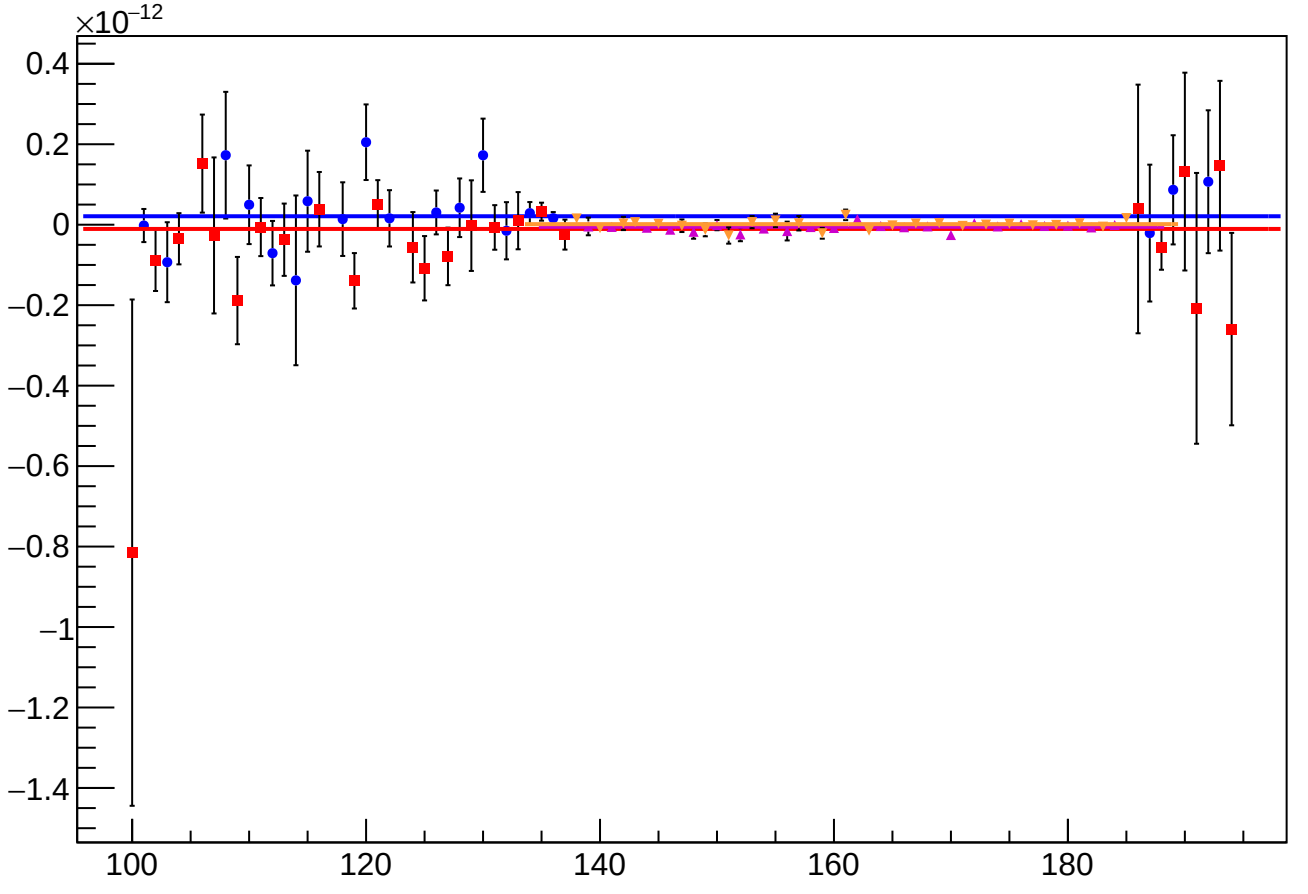
Right Out: 46.950+/-0.011 χ^2/NDF: 2476087.6/24

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.733+/-0.006 χ^2/NDF: 4773773.0/43

All: 43.213+/-0.004 χ^2/NDF: 10153280.3/91

- sign 42.725+/-0.006 χ^2/NDF: 5366149.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 12.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

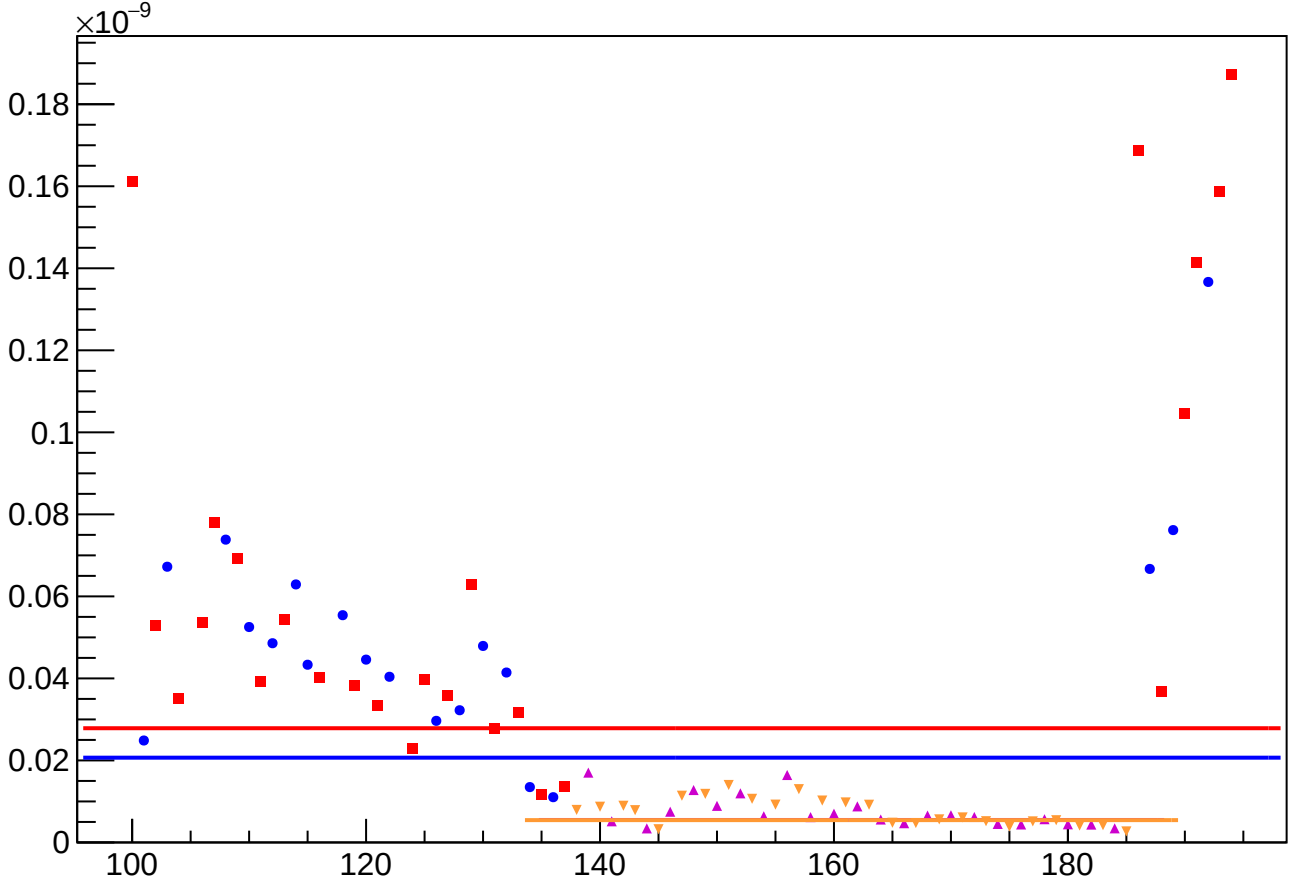
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/24

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: 78.5/91

- sign -0.000+/-0.000 χ^2/NDF: 35.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 4592431.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5310326.0/24

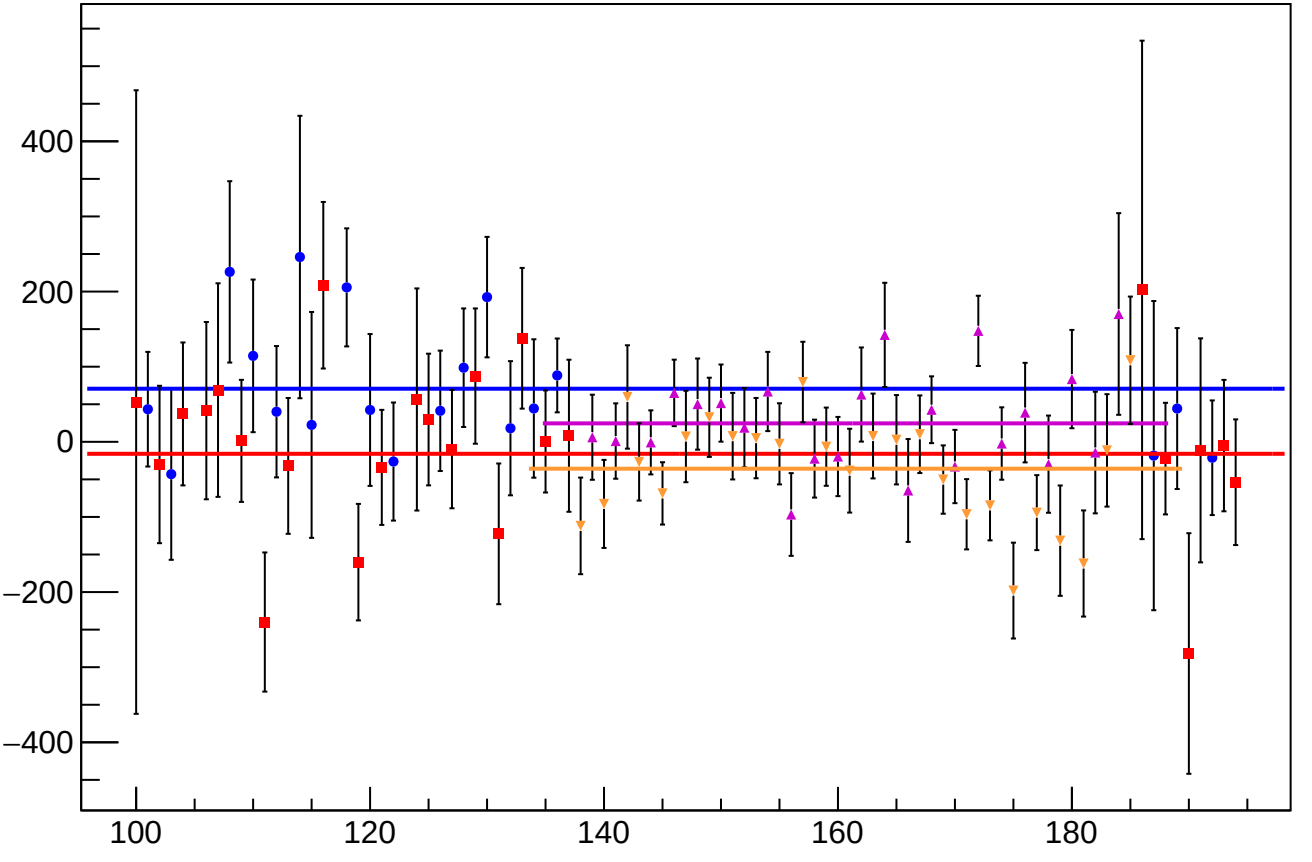
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 12059408.2/43

All: 0.000+/-0.000 χ^2/NDF: 25807385.5/91

- sign 0.000+/-0.000 χ^2/NDF: 13746137.4/47

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: -15.952+/-19.289 χ^2/NDF: 23.8/24

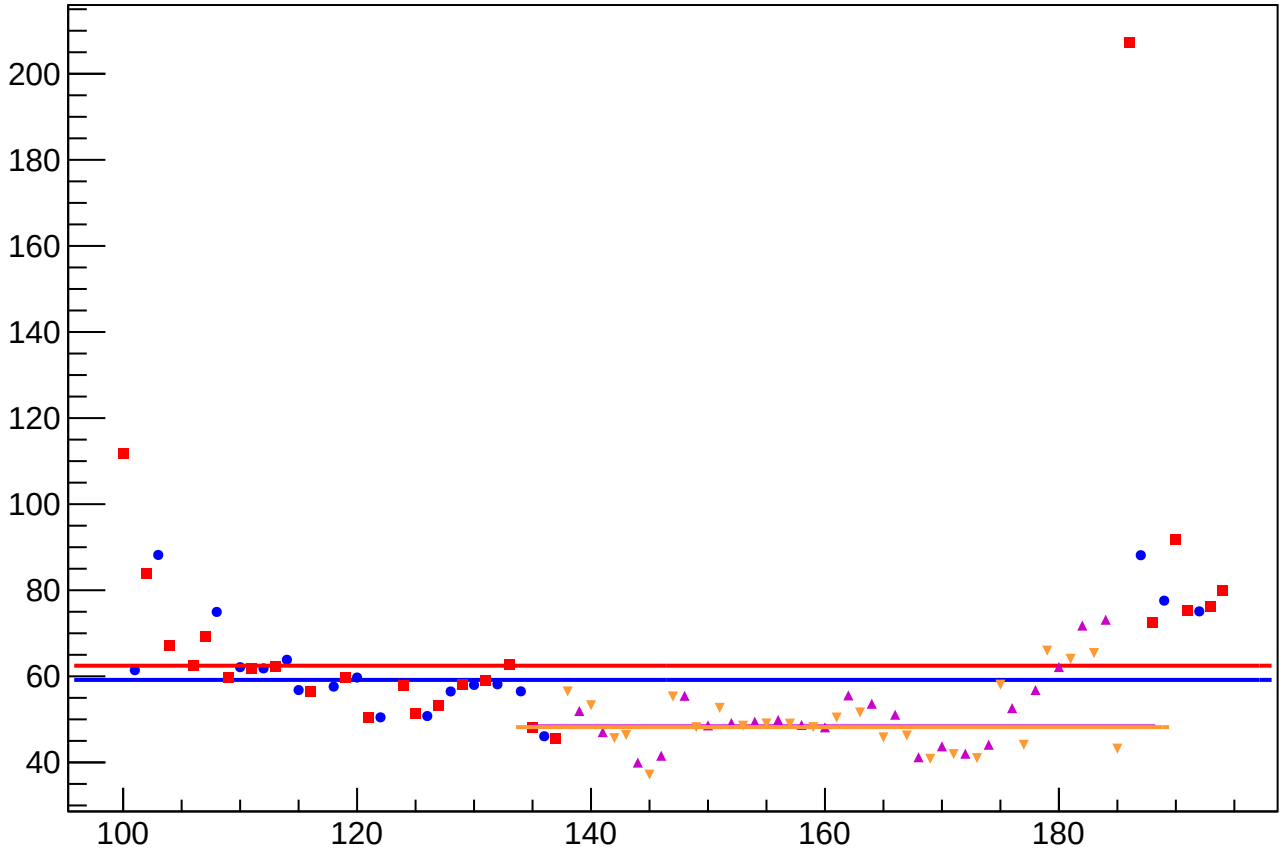
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -11.025+/-9.741 χ^2/NDF: 68.5/43

All: 1.329+/-6.929 χ^2/NDF: 124.6/91

- sign 13.984+/-9.859 χ^2/NDF: 52.8/47

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

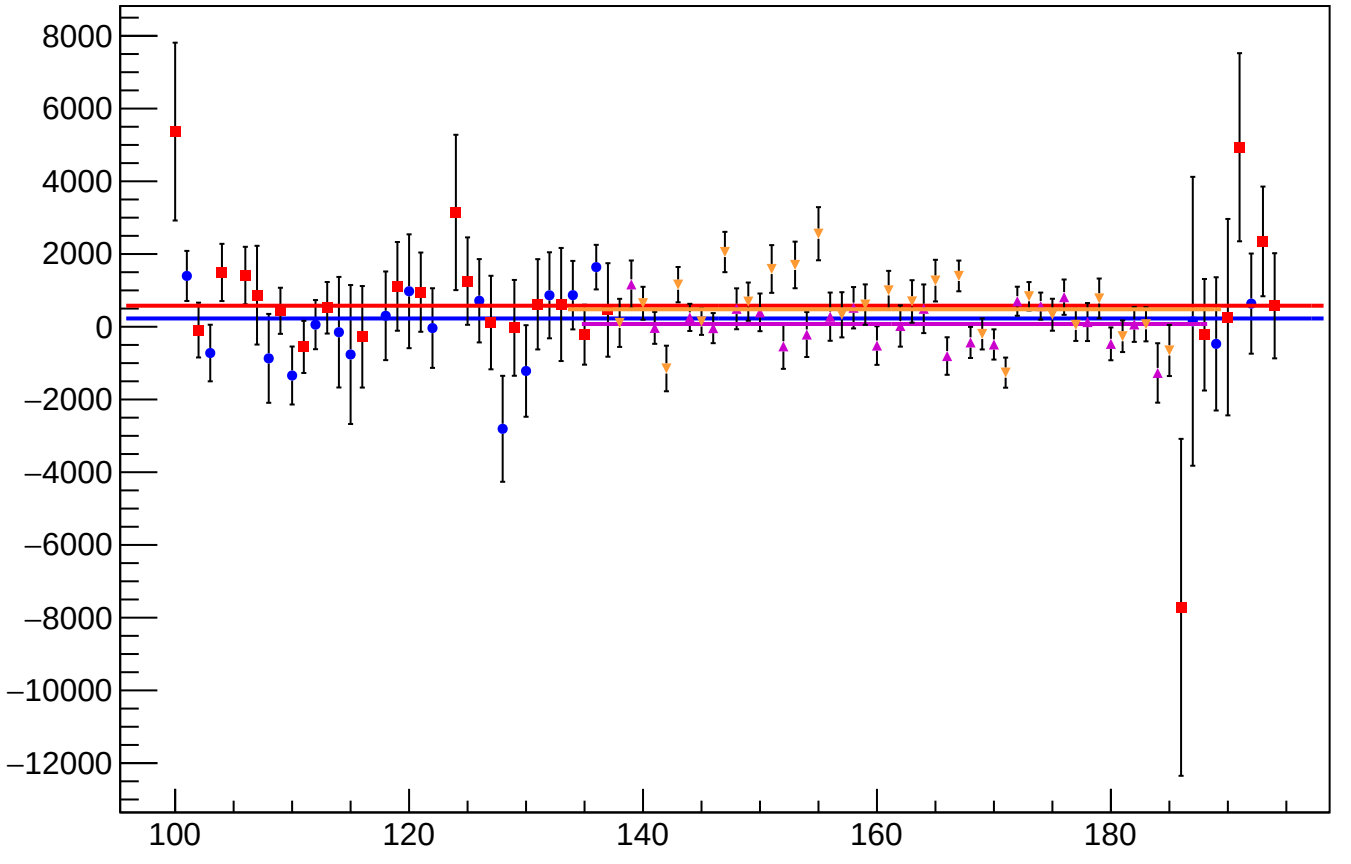
Right Out: 62.472+/-0.014 χ^2/NDF: 1031034.0/24

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.750+/-0.007 χ^2/NDF: 1783899.2/43

All: 51.398+/-0.005 χ^2/NDF: 4316739.9/91

- sign 52.062+/-0.007 χ^2/NDF: 2514918.6/47



Right In: 227.650+/-235.220 χ^2/NDF: 21.9/18

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 578.773+/-218.002 χ^2/NDF: 21.1/24

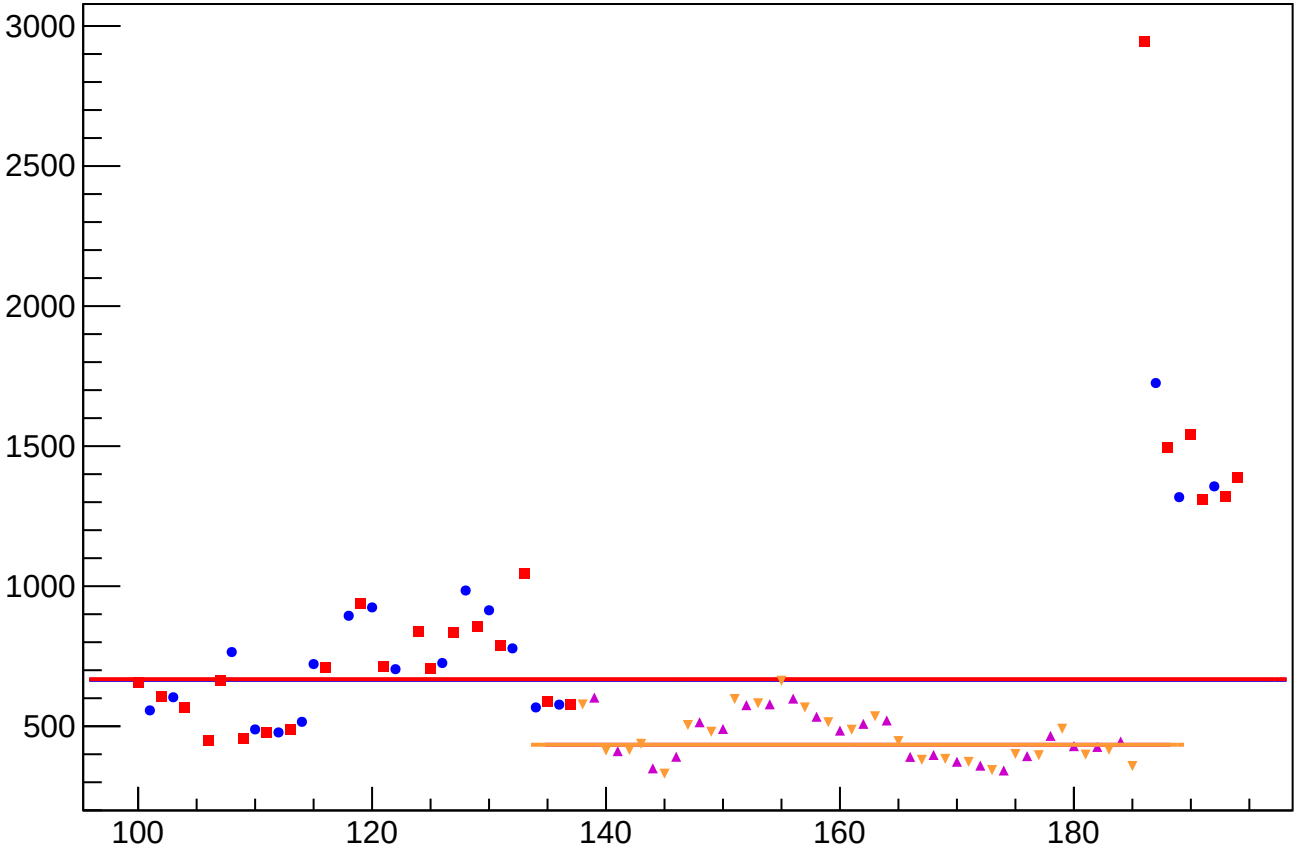
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 441.210+/-92.438 χ^2/NDF: 92.1/43

All: 305.594+/-65.639 χ^2/NDF: 146.3/91

- sign 167.663+/-93.223 χ^2/NDF: 49.9/47

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: 667.957+/-0.154 χ^2/NDF: 3317174.1/24

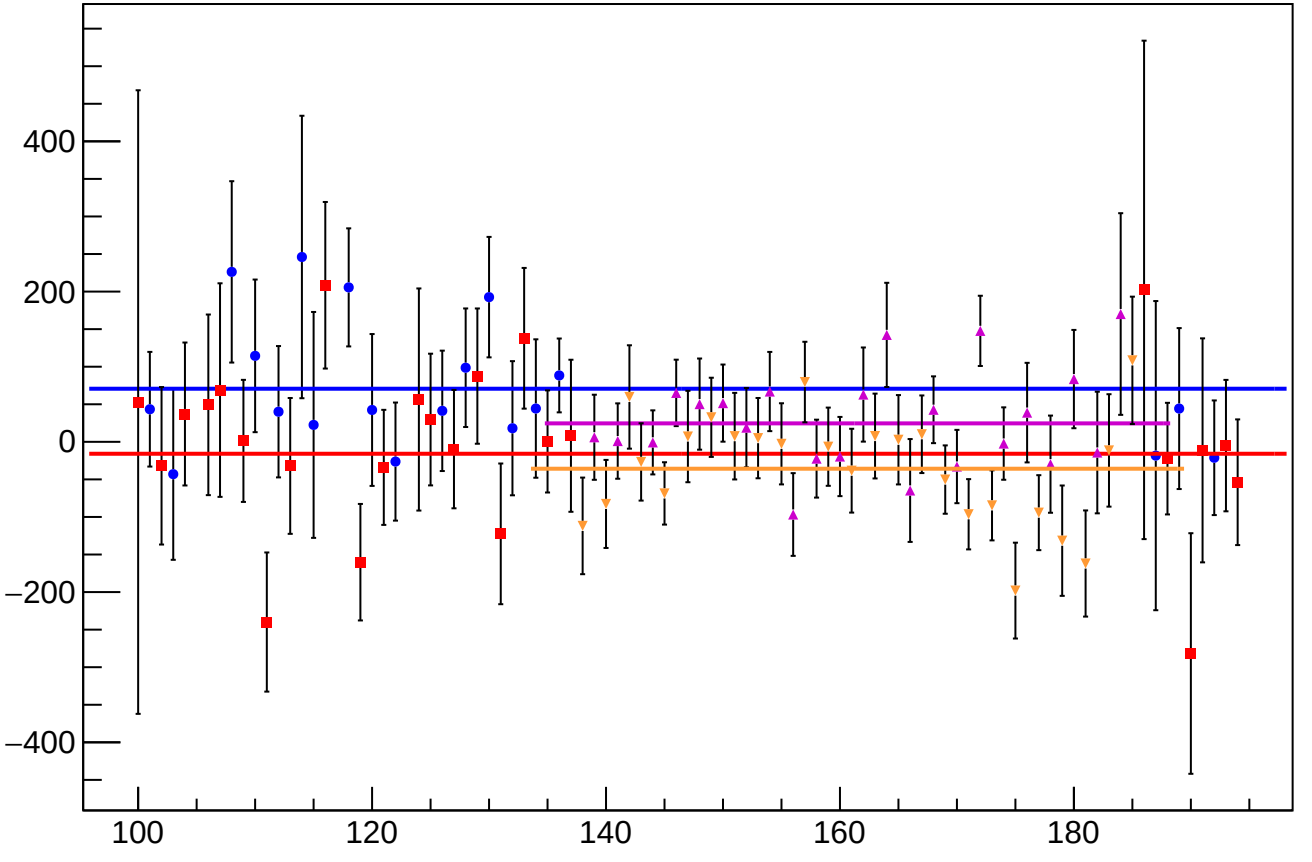
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 469.708+/-0.065 χ^2/NDF: 4520369.4/43

All: 473.102+/-0.046 χ^2/NDF: 10824496.7/91

- sign 476.555+/-0.066 χ^2/NDF: 6298686.9/47

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: -15.870+/-19.298 χ^2/NDF: 23.9/24

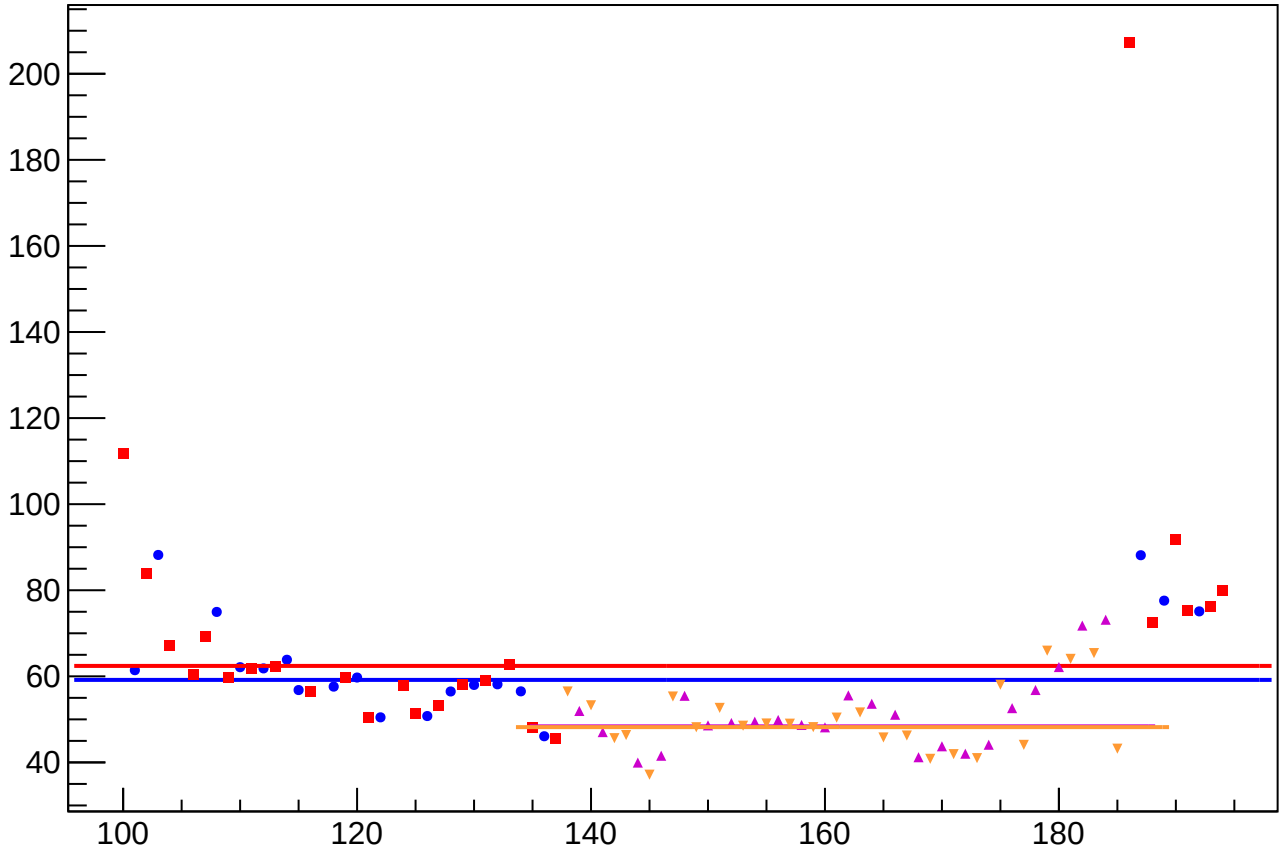
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -11.028+/-9.741 χ^2/NDF: 68.5/43

All: 1.340+/-6.930 χ^2/NDF: 124.6/91

- sign 14.014+/-9.861 χ^2/NDF: 52.9/47

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

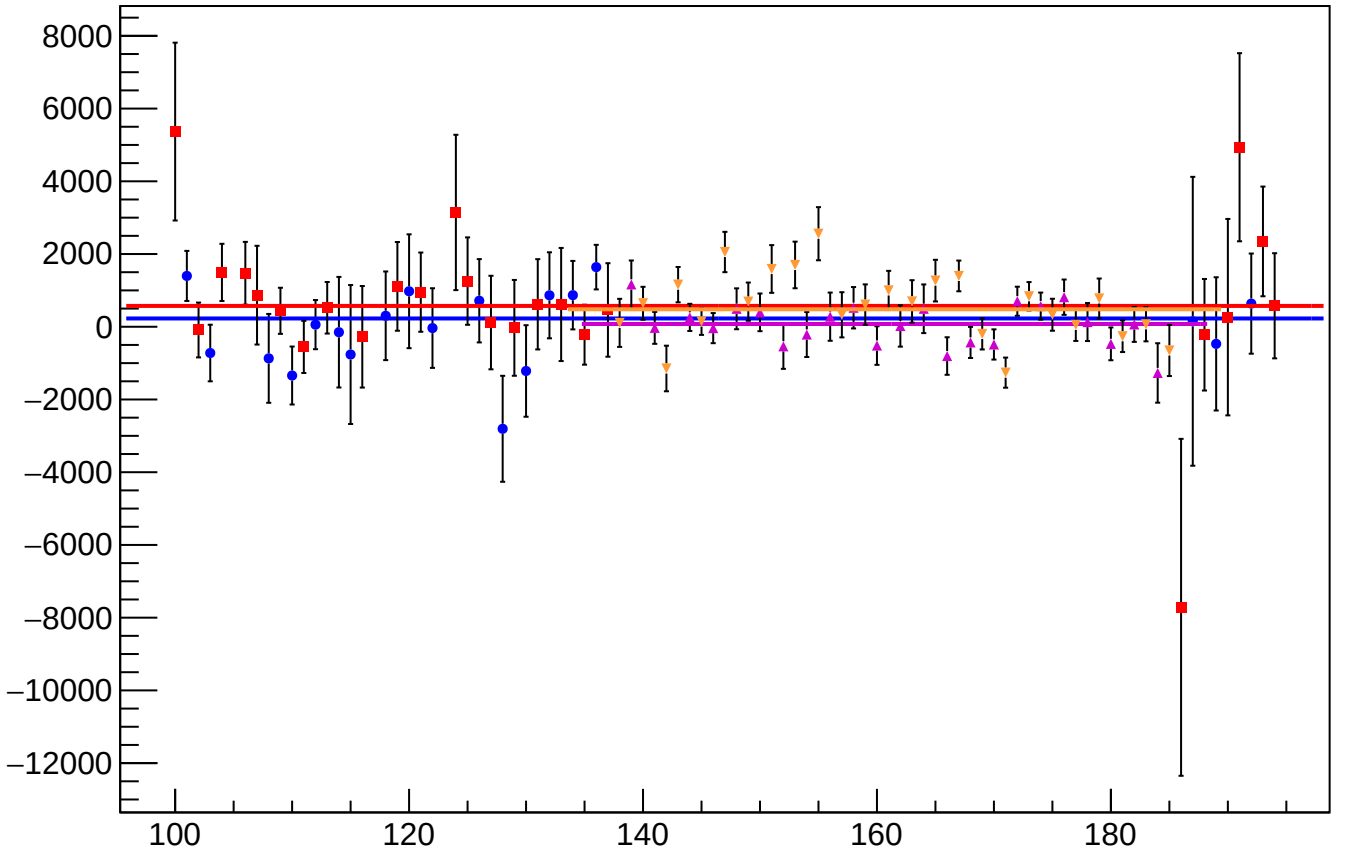
Right Out: 62.420+/-0.014 χ^2/NDF: 1031813.4/24

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.750+/-0.007 χ^2/NDF: 1783903.2/43

All: 51.390+/-0.005 χ^2/NDF: 4310692.1/91

- sign 52.046+/-0.007 χ^2/NDF: 2509311.5/47



Right In: 227.686+/-235.222 χ^2/NDF: 21.9/18

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 573.074+/-219.336 χ^2/NDF: 21.1/24

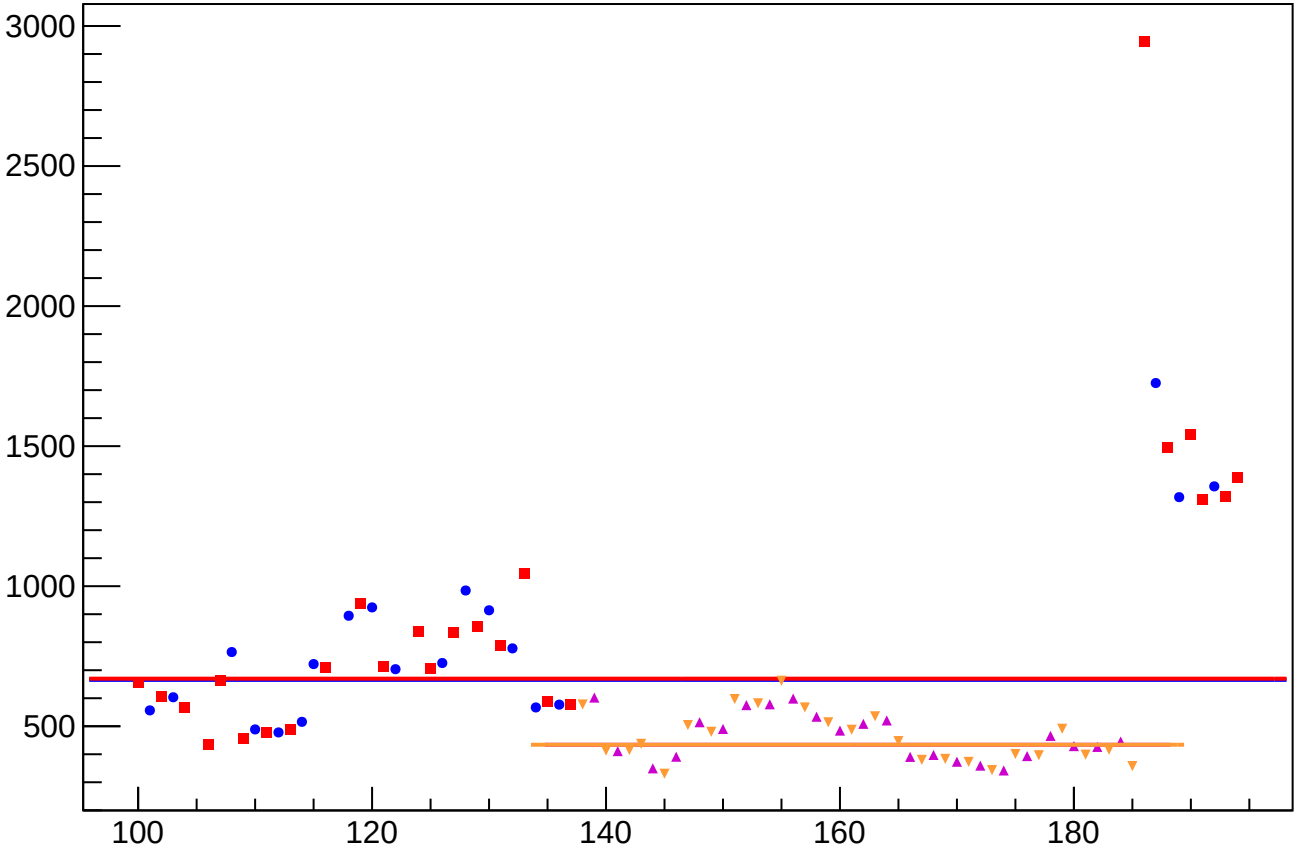
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 441.212+/-92.438 χ^2/NDF: 92.1/43

All: 304.784+/-65.676 χ^2/NDF: 146.2/91

- sign 165.720+/-93.327 χ^2/NDF: 49.7/47

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: 669.821+/-0.155 χ^2/NDF: 3308386.3/24

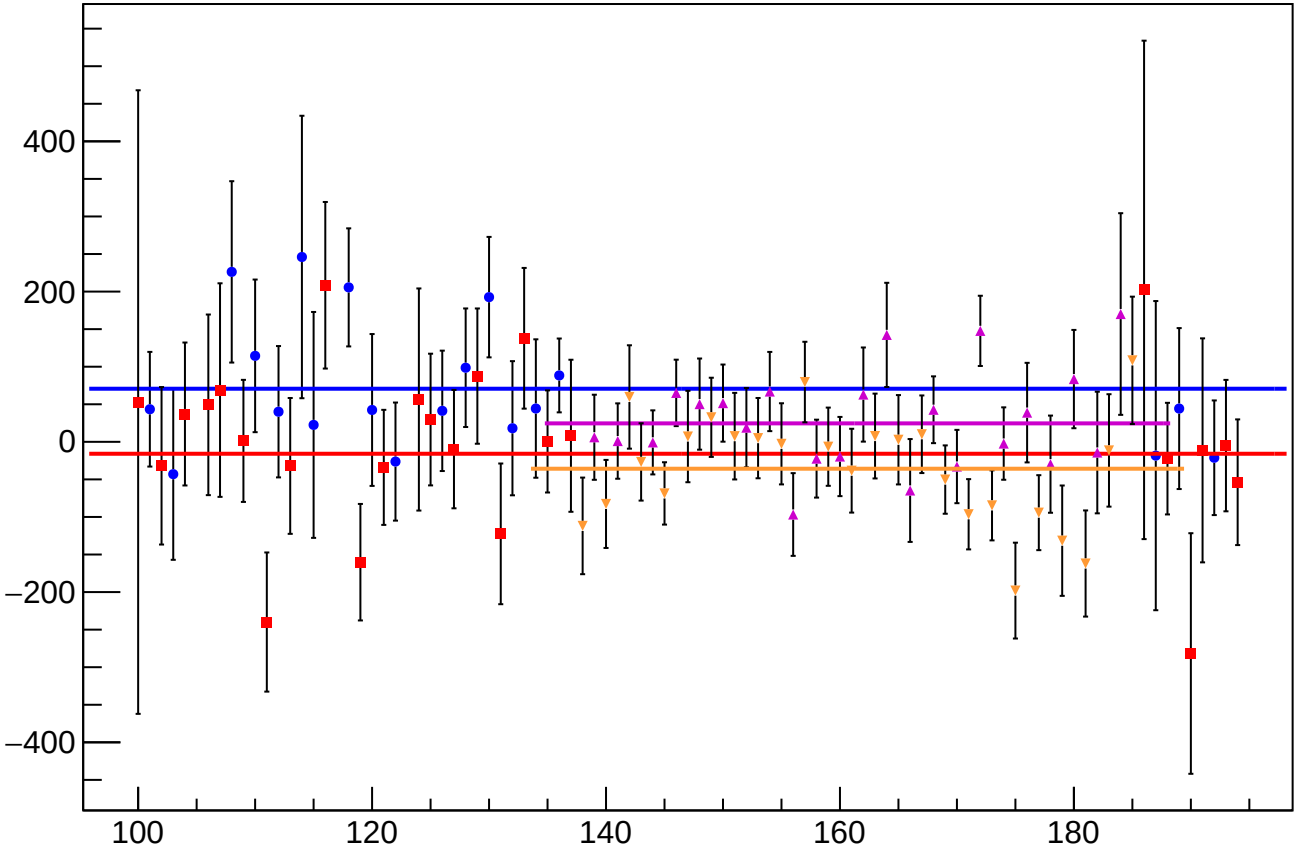
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 469.708+/-0.065 χ^2/NDF: 4520398.6/43

All: 473.055+/-0.046 χ^2/NDF: 10826694.6/91

- sign 476.467+/-0.066 χ^2/NDF: 6301000.7/47

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: -15.870+/-19.298 χ^2/NDF: 23.9/24

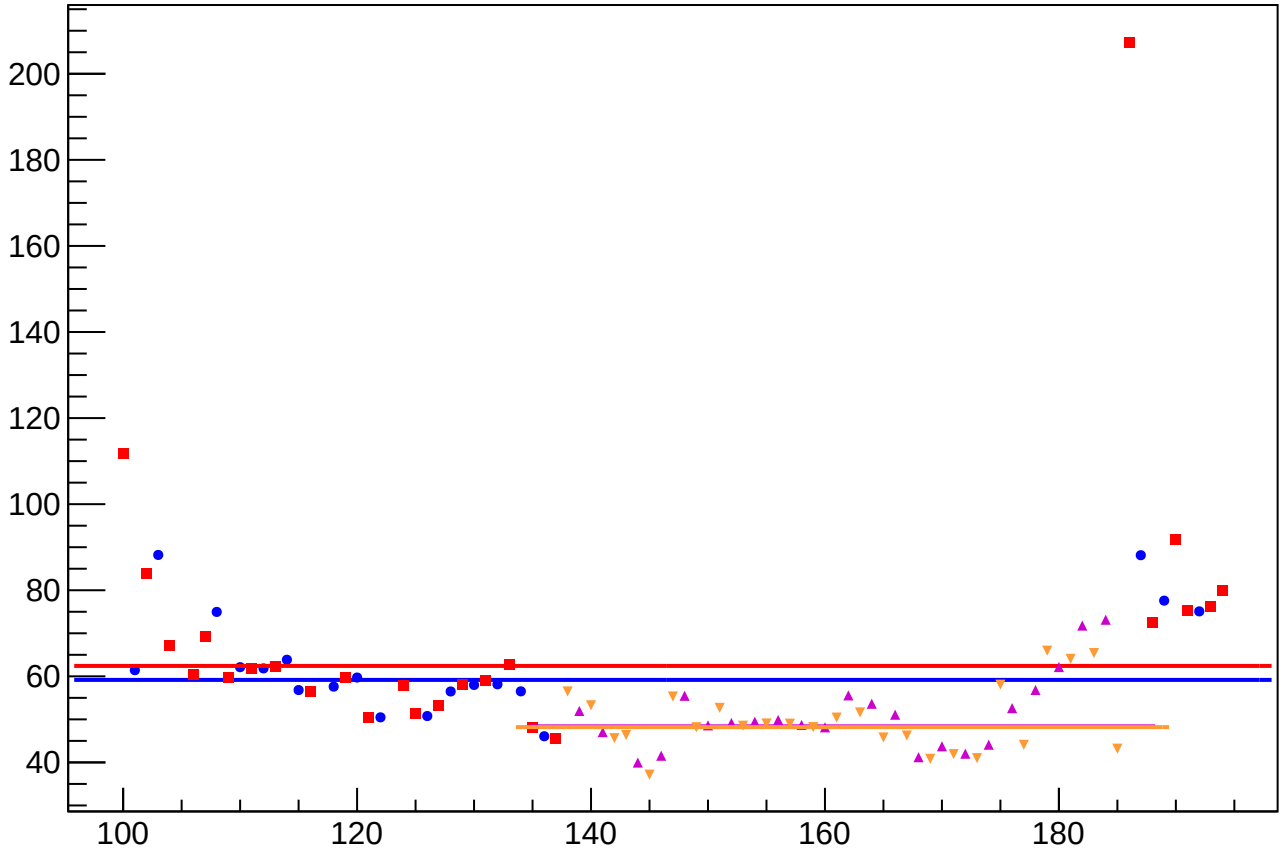
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -11.028+/-9.741 χ^2/NDF: 68.5/43

All: 1.340+/-6.930 χ^2/NDF: 124.6/91

- sign 14.014+/-9.861 χ^2/NDF: 52.9/47

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

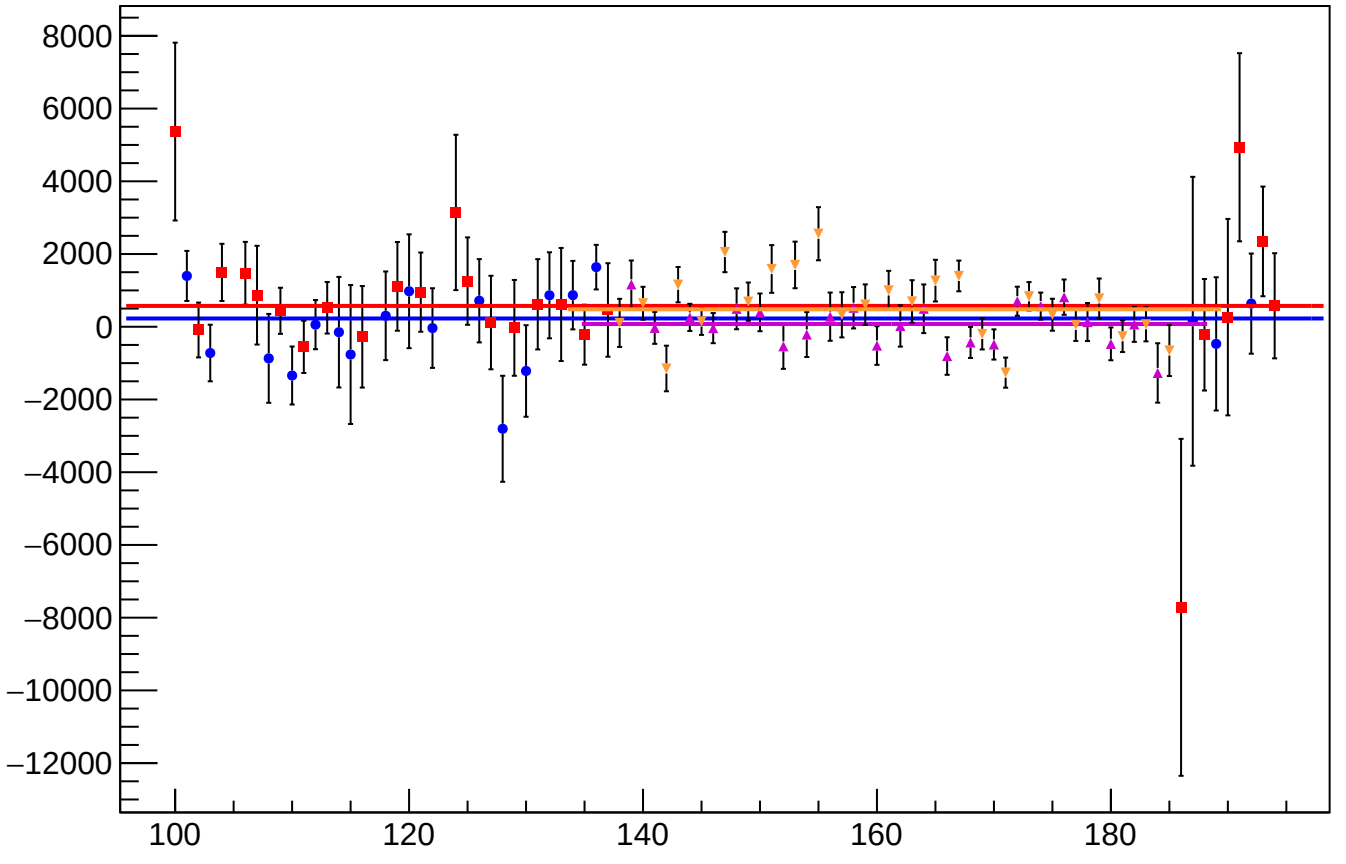
Right Out: 62.420+/-0.014 χ^2/NDF: 1031813.4/24

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.750+/-0.007 χ^2/NDF: 1783903.2/43

All: 51.390+/-0.005 χ^2/NDF: 4310692.1/91

- sign 52.046+/-0.007 χ^2/NDF: 2509311.5/47



Right In: 227.686+/-235.222 χ^2/NDF: 21.9/18

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

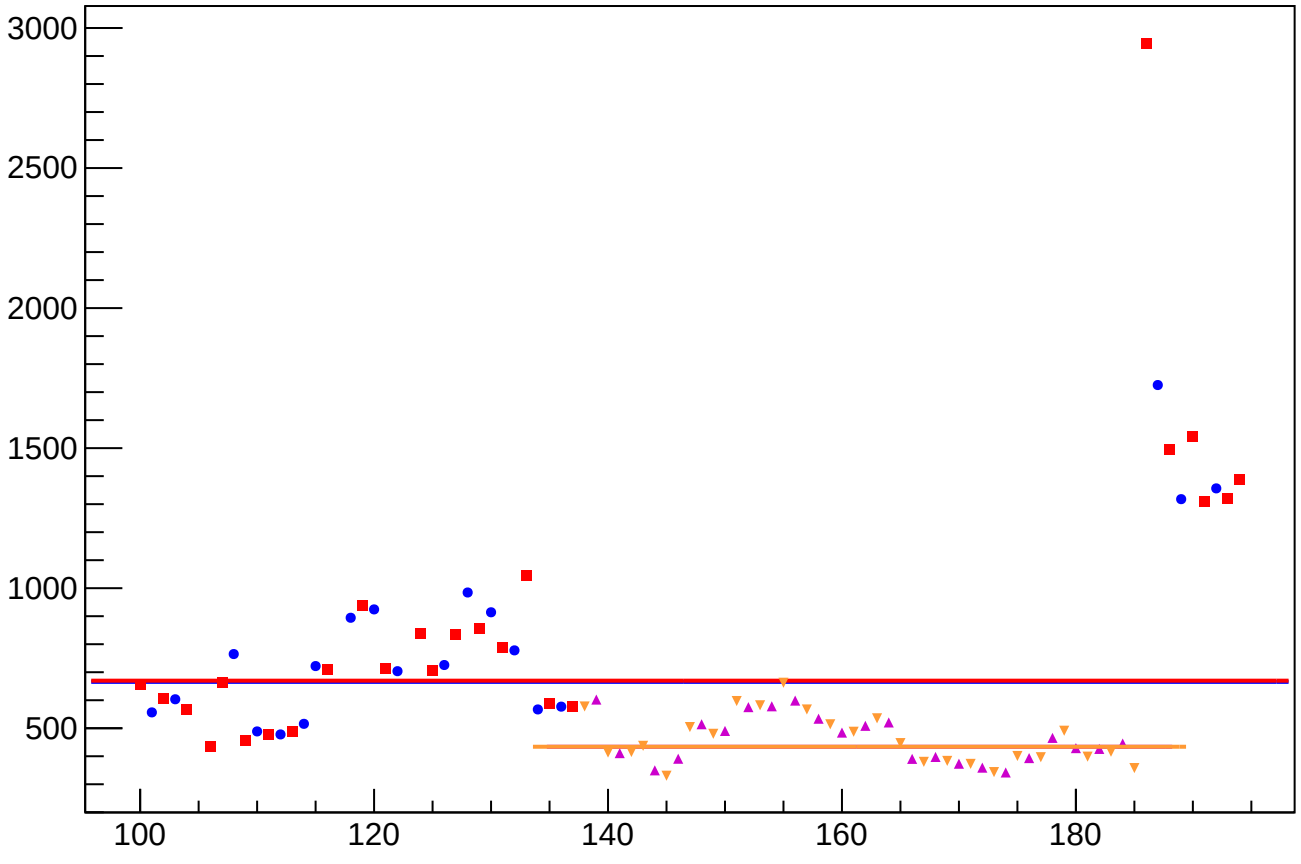
Right Out: 573.074+/-219.336 χ^2/NDF: 21.1/24

Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 441.212+/-92.438 χ^2/NDF: 92.1/43

All: 304.784+/-65.676 χ^2/NDF: 146.2/91

- sign 165.720+/-93.327 χ^2/NDF: 49.7/47



Right In: 665.518+/-0.166 χ^2/NDF: 1637622.6/18

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 669.821+/-0.155 χ^2/NDF: 3308386.3/24

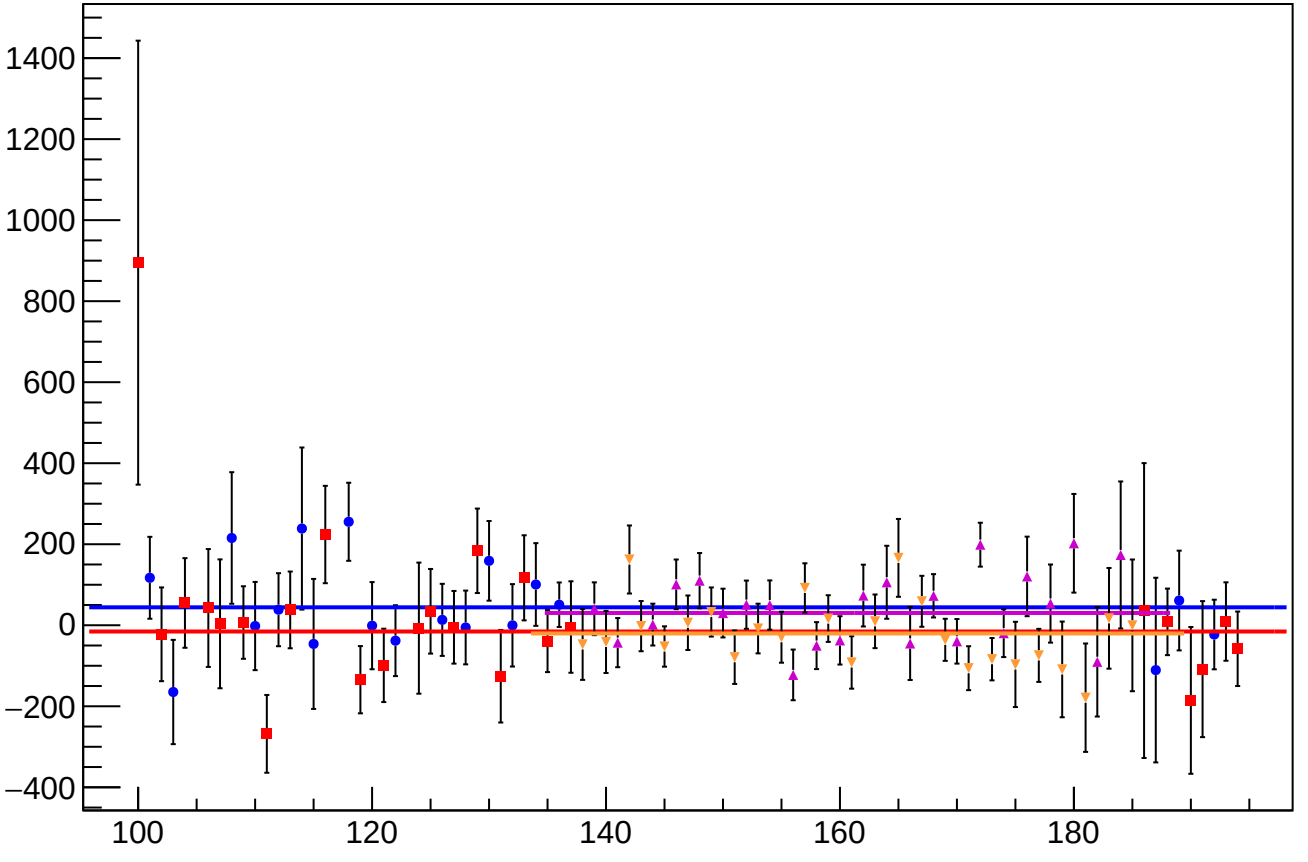
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 469.708+/-0.065 χ^2/NDF: 4520398.6/43

All: 473.055+/-0.046 χ^2/NDF: 10826694.6/91

- sign 476.467+/-0.066 χ^2/NDF: 6301000.7/47

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: -15.401+/-21.633 χ^2/NDF: 25.6/24

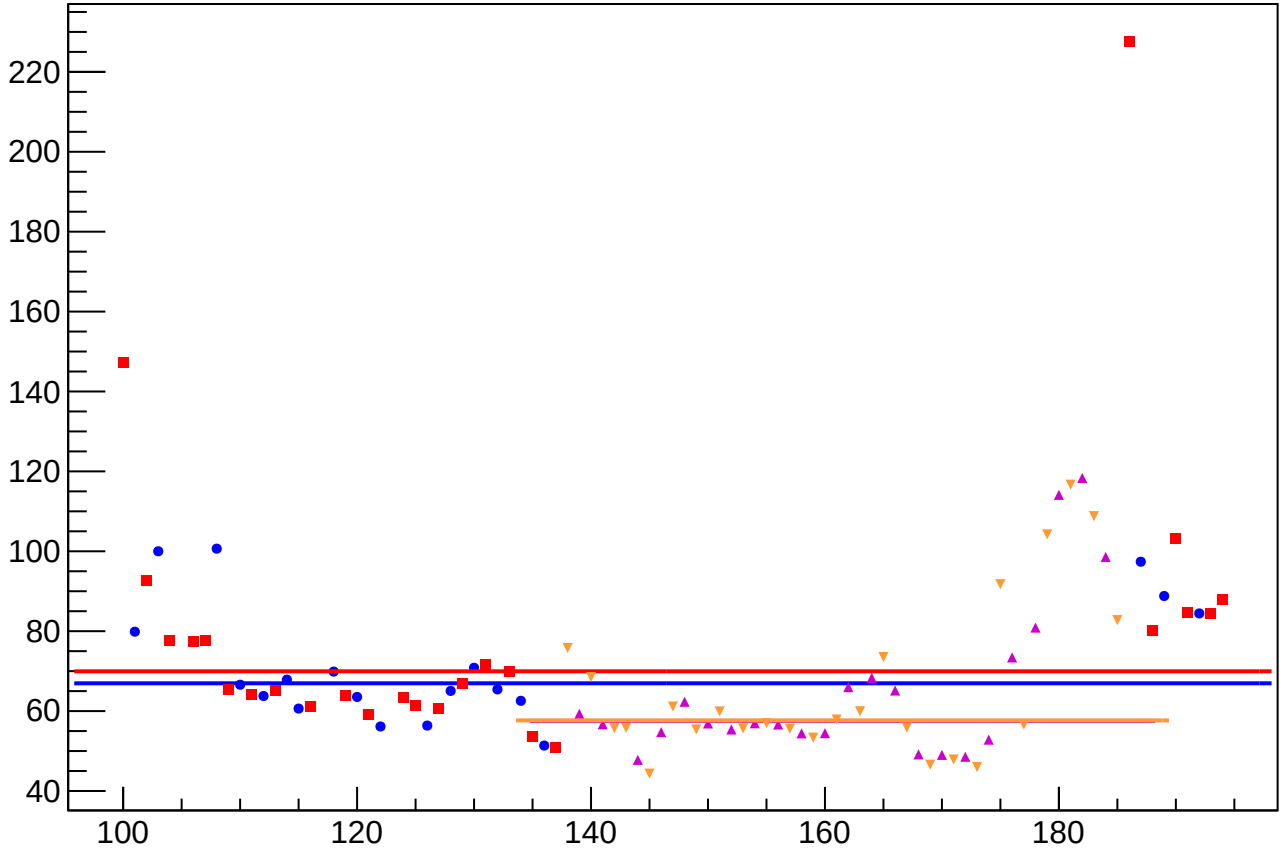
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -3.499+/-11.732 χ^2/NDF: 45.9/43

All: 6.668+/-8.299 χ^2/NDF: 108.8/91

- sign 16.851+/-11.741 χ^2/NDF: 61.4/47

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: 69.956+/-0.015 χ^2/NDF: 1002426.4/24

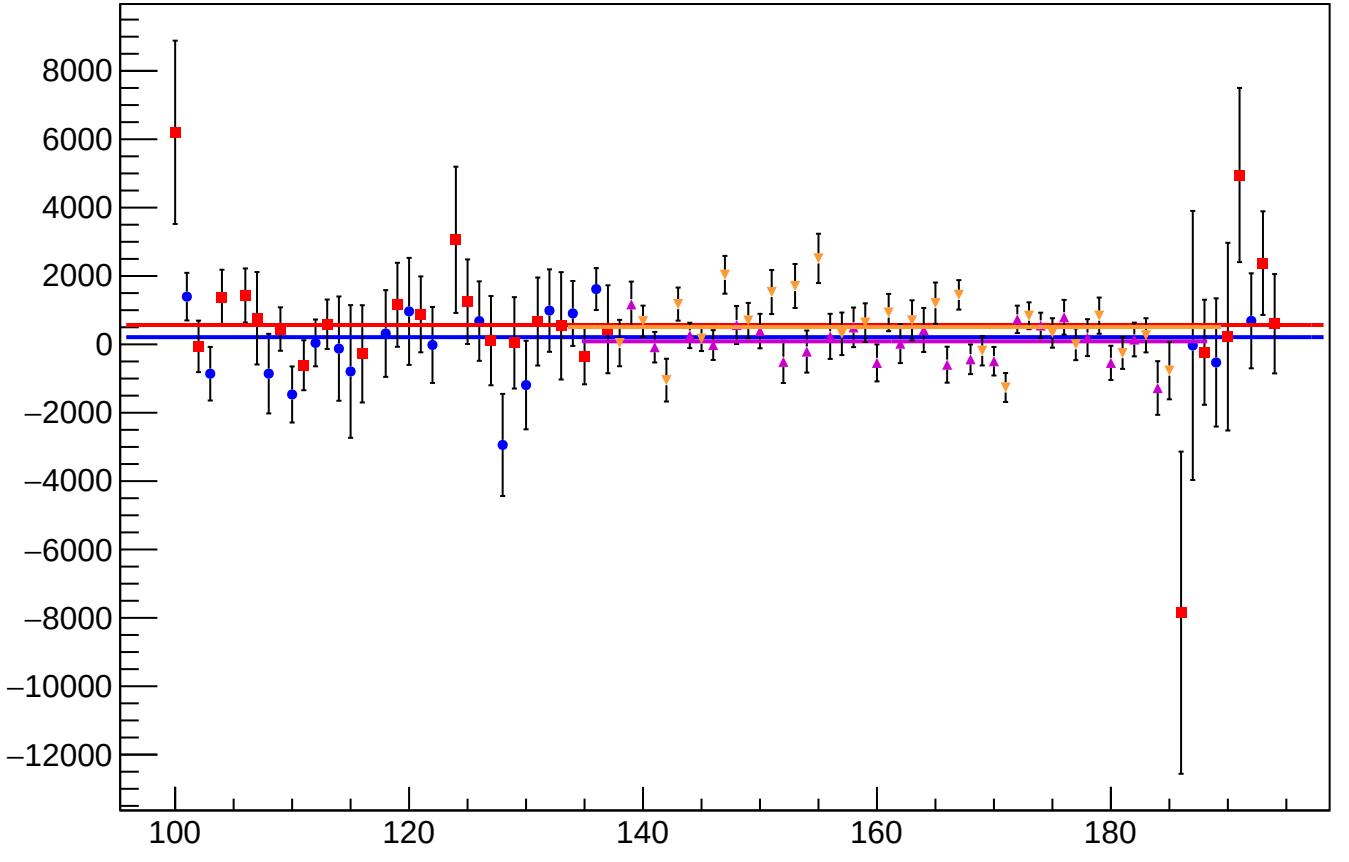
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 60.081+/-0.008 χ^2/NDF: 2820462.8/43

All: 60.639+/-0.006 χ^2/NDF: 5740023.4/91

- sign 61.197+/-0.008 χ^2/NDF: 2910520.1/47

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 211.259+/-237.753 χ^2/NDF: 22.7/18

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 566.632+/-220.213 χ^2/NDF: 21.7/24

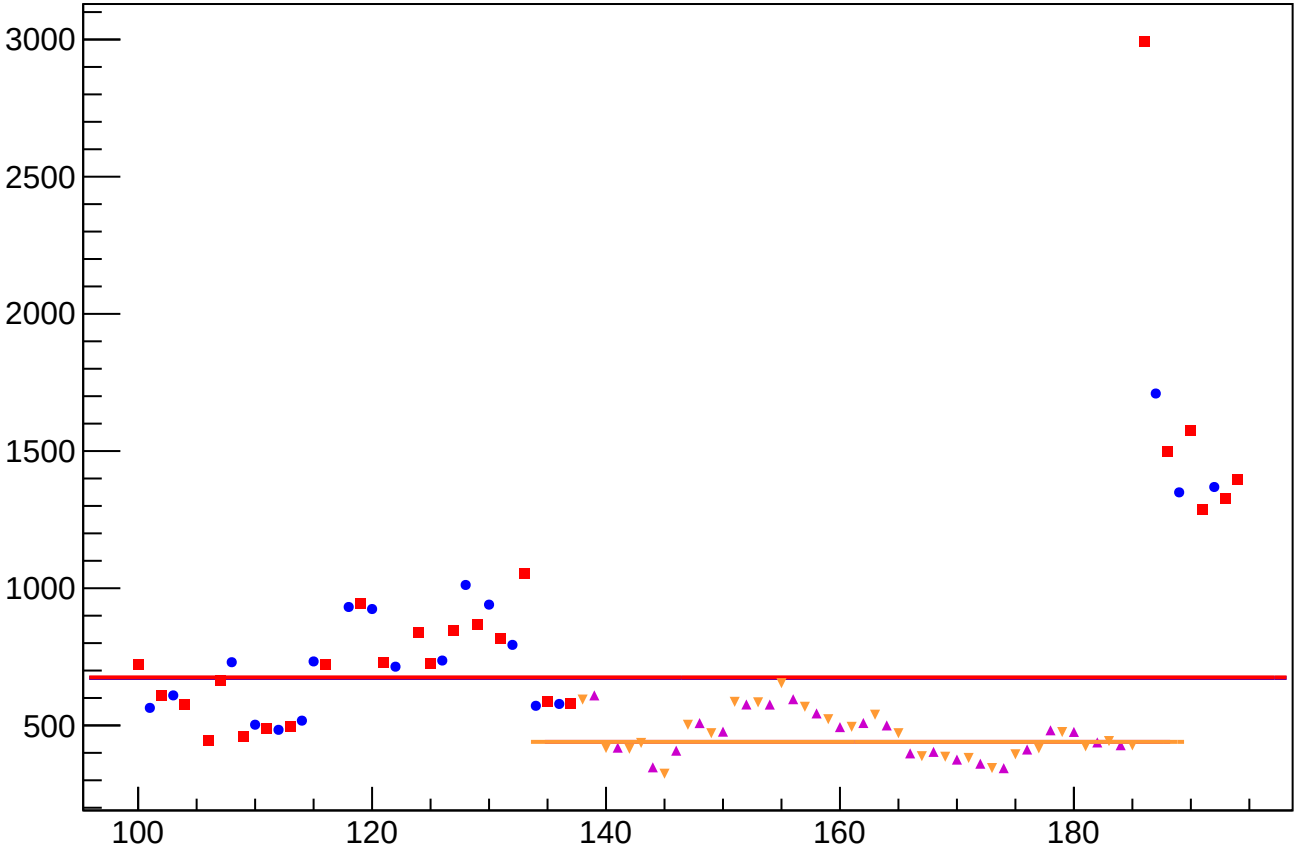
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 461.343+/-93.564 χ^2/NDF: 89.9/43

All: 320.206+/-66.467 χ^2/NDF: 143.3/91

- sign 176.414+/-94.440 χ^2/NDF: 48.9/47

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: 674.965+/-0.156 χ^2/NDF: 3320426.5/24

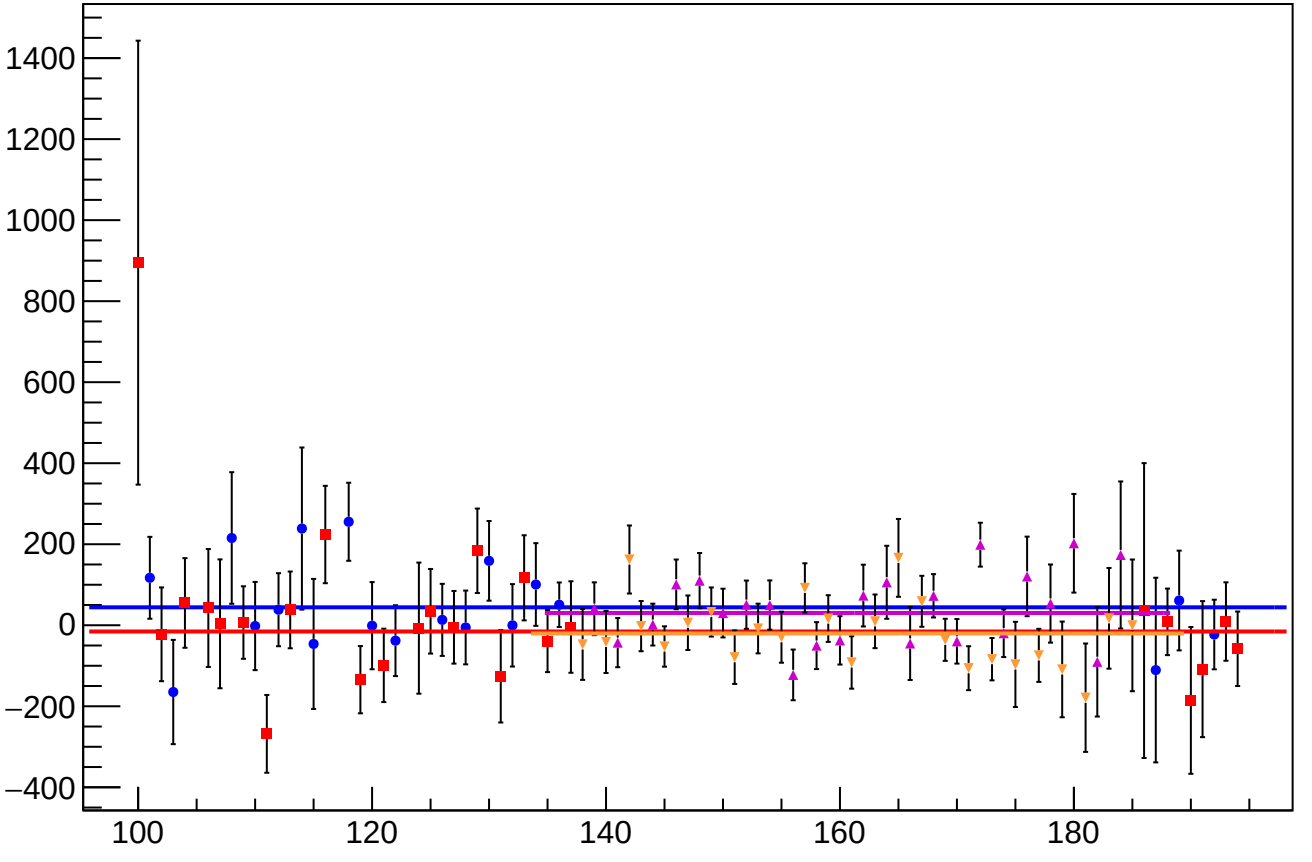
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 476.143+/-0.066 χ^2/NDF: 4470097.1/43

All: 479.596+/-0.047 χ^2/NDF: 10718035.6/91

- sign 483.114+/-0.067 χ^2/NDF: 6242438.6/47

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: -15.401+/-21.633 χ^2/NDF: 25.6/24

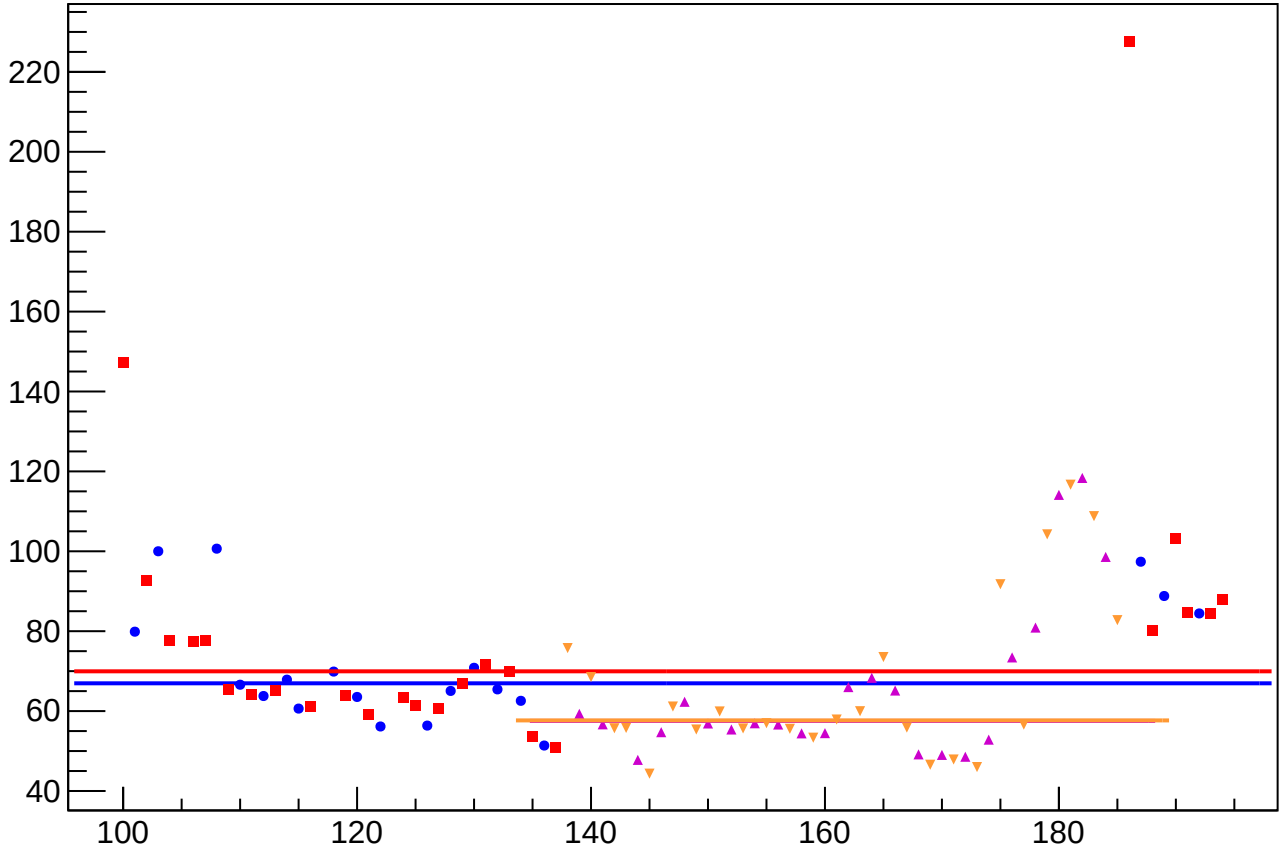
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -3.500+/-11.732 χ^2/NDF: 45.9/43

All: 6.668+/-8.299 χ^2/NDF: 108.8/91

- sign 16.851+/-11.741 χ^2/NDF: 61.4/47

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

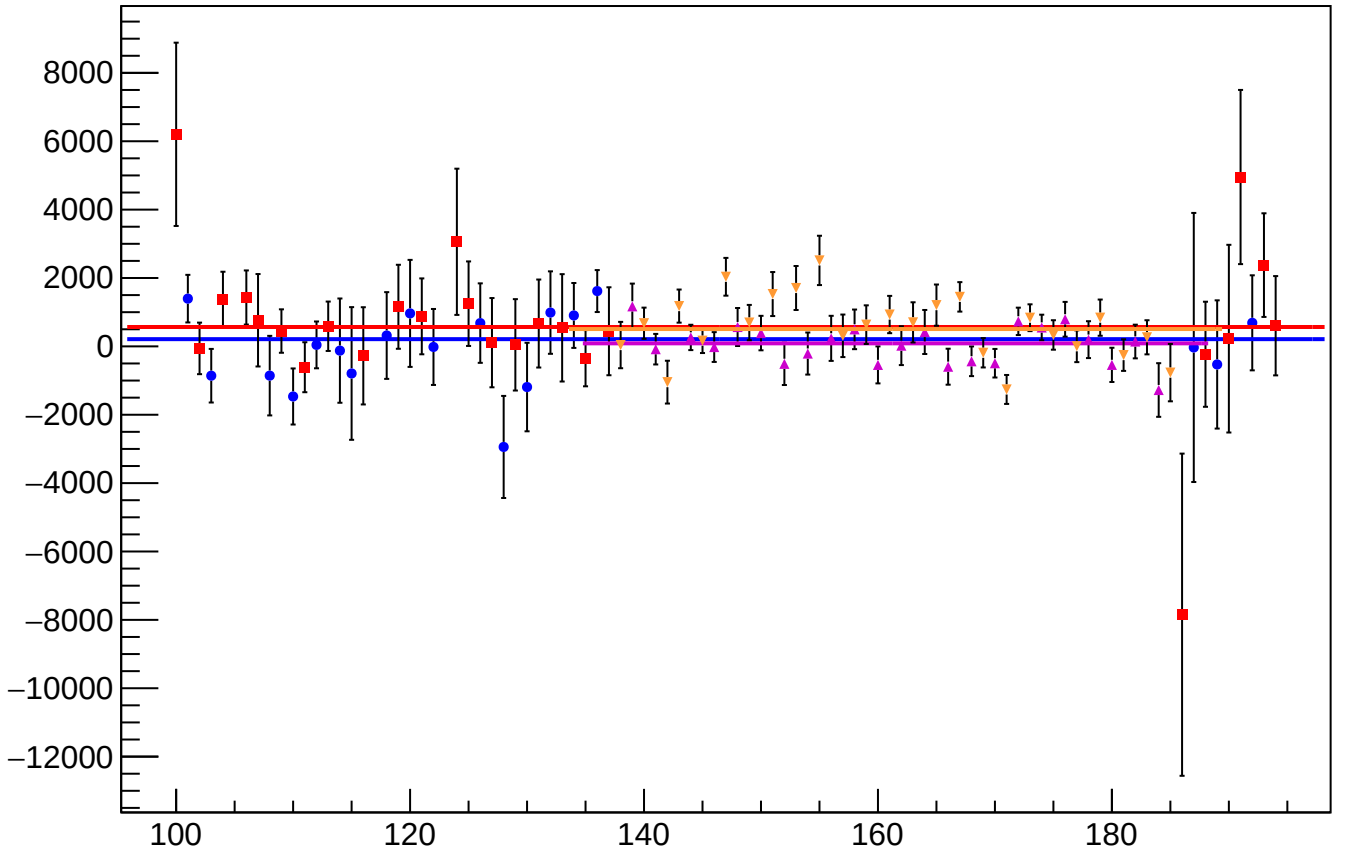
Right Out: 69.956+/-0.015 χ^2/NDF: 1002437.2/24

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 60.081+/-0.008 χ^2/NDF: 2820440.0/43

All: 60.639+/-0.006 χ^2/NDF: 5739979.3/91

- sign 61.197+/-0.008 χ^2/NDF: 2910499.7/47



Right In: 211.258+/-237.753 χ^2/NDF: 22.7/18

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

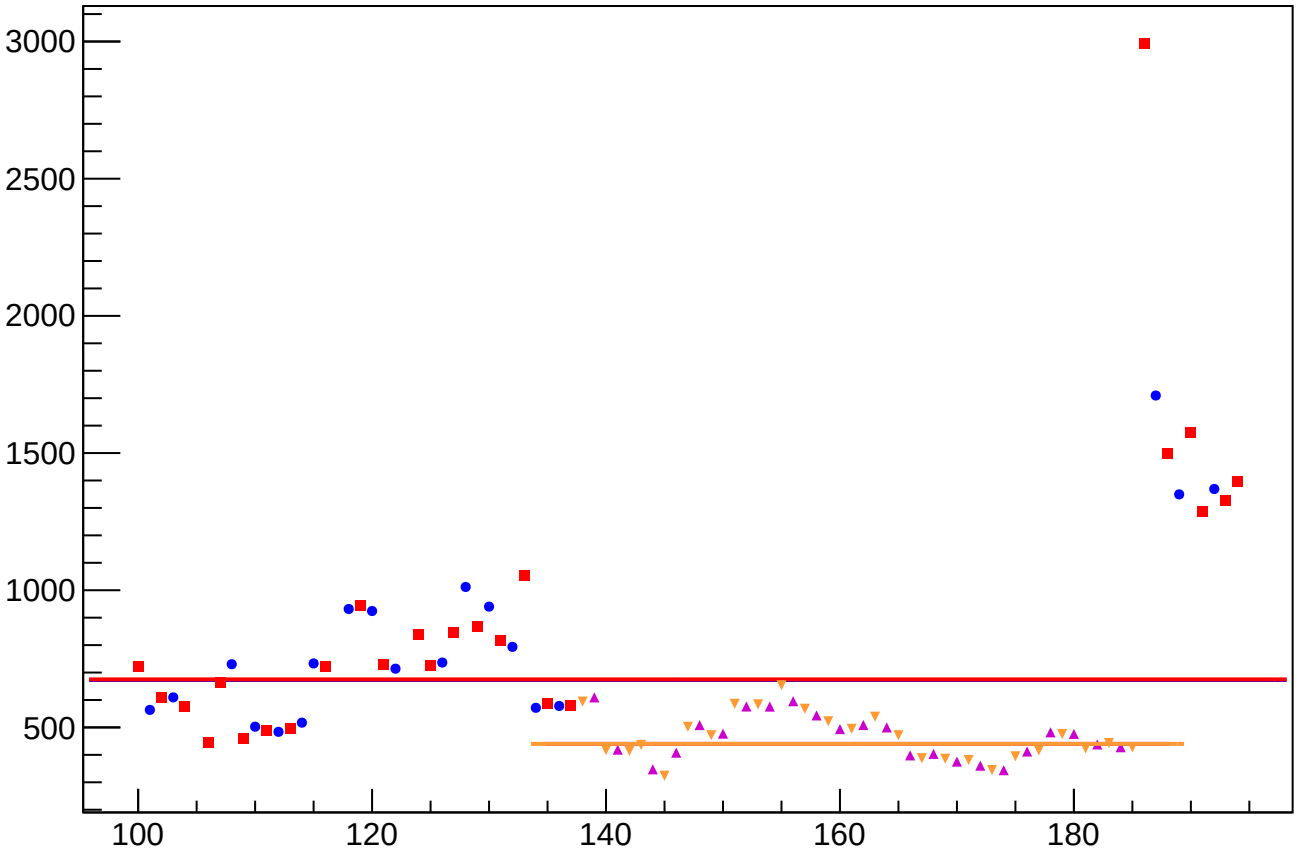
Right Out: 566.631+/-220.213 χ^2/NDF: 21.7/24

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

\+ sign 461.342+/-93.564 χ^2/NDF: 89.9/43

All: 320.205+/-66.467 χ^2/NDF: 143.3/91

\- sign 176.413+/-94.440 χ^2/NDF: 48.9/47



Right In: 672.964+/-0.168 χ^2/NDF: 1651298.8/18

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 674.964+/-0.156 χ^2/NDF: 3320427.0/24

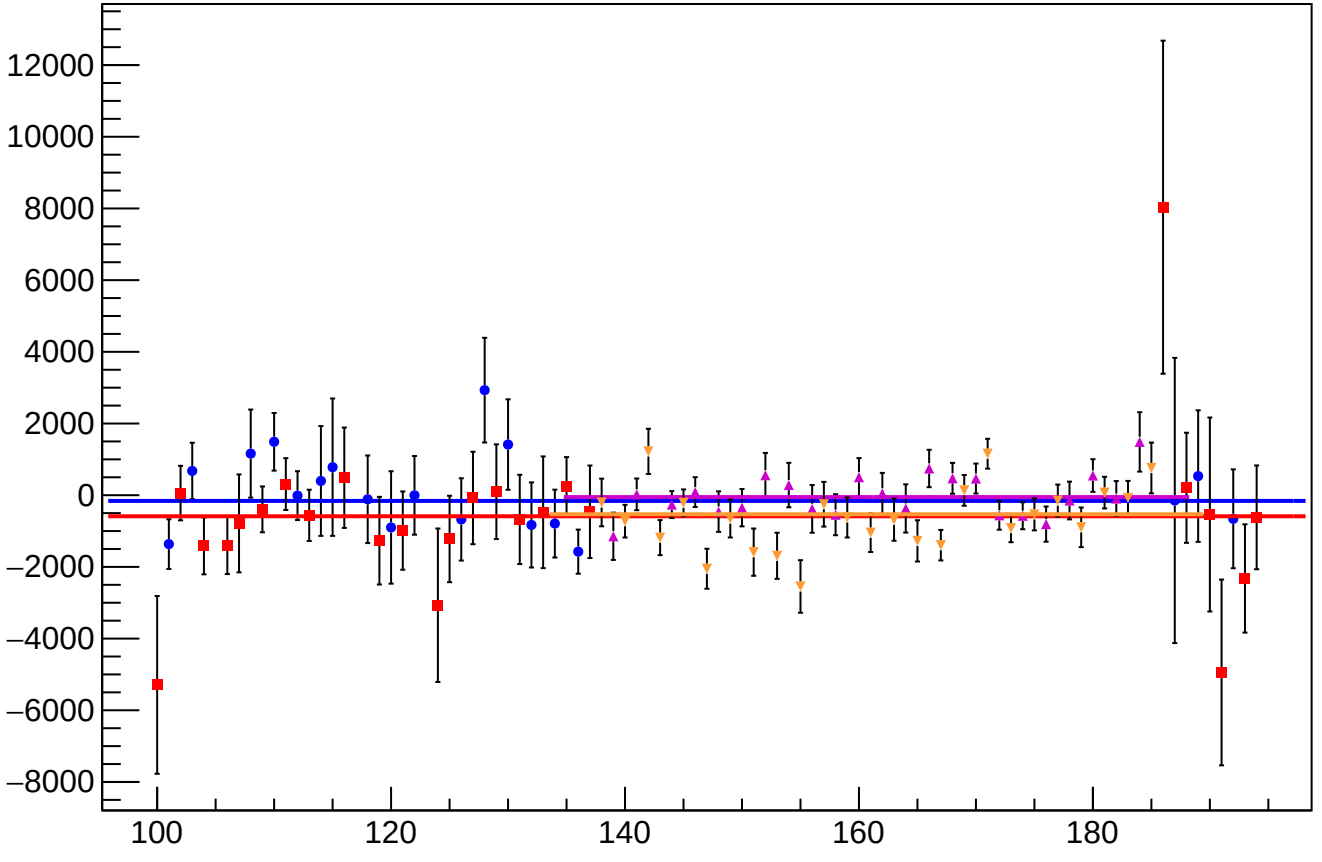
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 476.142+/-0.066 χ^2/NDF: 4470115.3/43

All: 479.595+/-0.047 χ^2/NDF: 10718072.4/91

- sign 483.113+/-0.067 χ^2/NDF: 6242457.3/47

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: -587.795+/-219.485 χ^2/NDF: 20.0/24

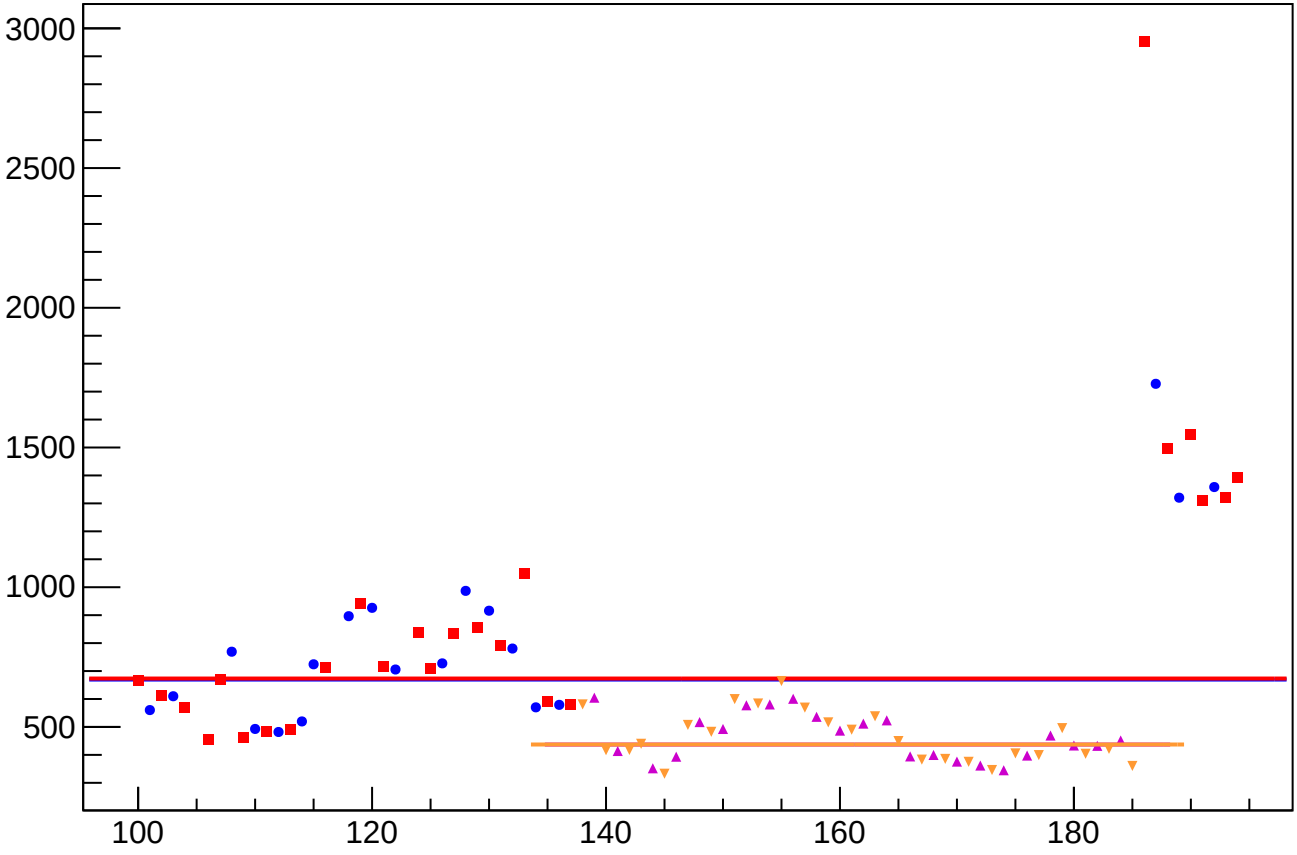
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -473.863+/-93.076 χ^2/NDF: 90.4/43

All: -313.582+/-66.099 χ^2/NDF: 145.4/91

- sign -150.492+/-93.887 χ^2/NDF: 49.0/47

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

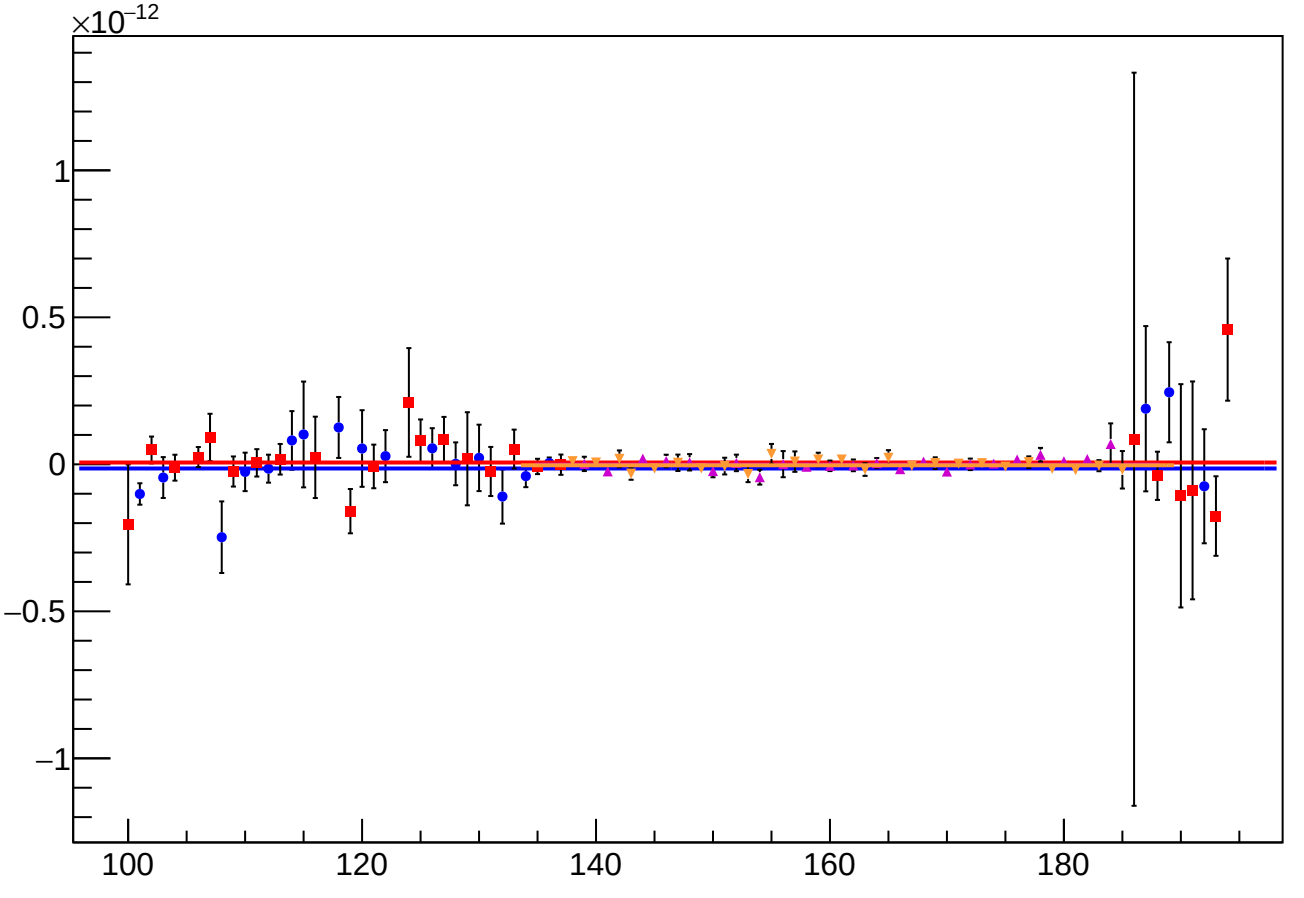
Right Out: 673.237+/-0.155 χ^2/NDF: 3275207.1/24

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 473.153+/-0.066 χ^2/NDF: 4478515.0/43

All: 476.634+/-0.047 χ^2/NDF: 10733393.5/91

- sign 480.175+/-0.066 χ^2/NDF: 6249236.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/18

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/24

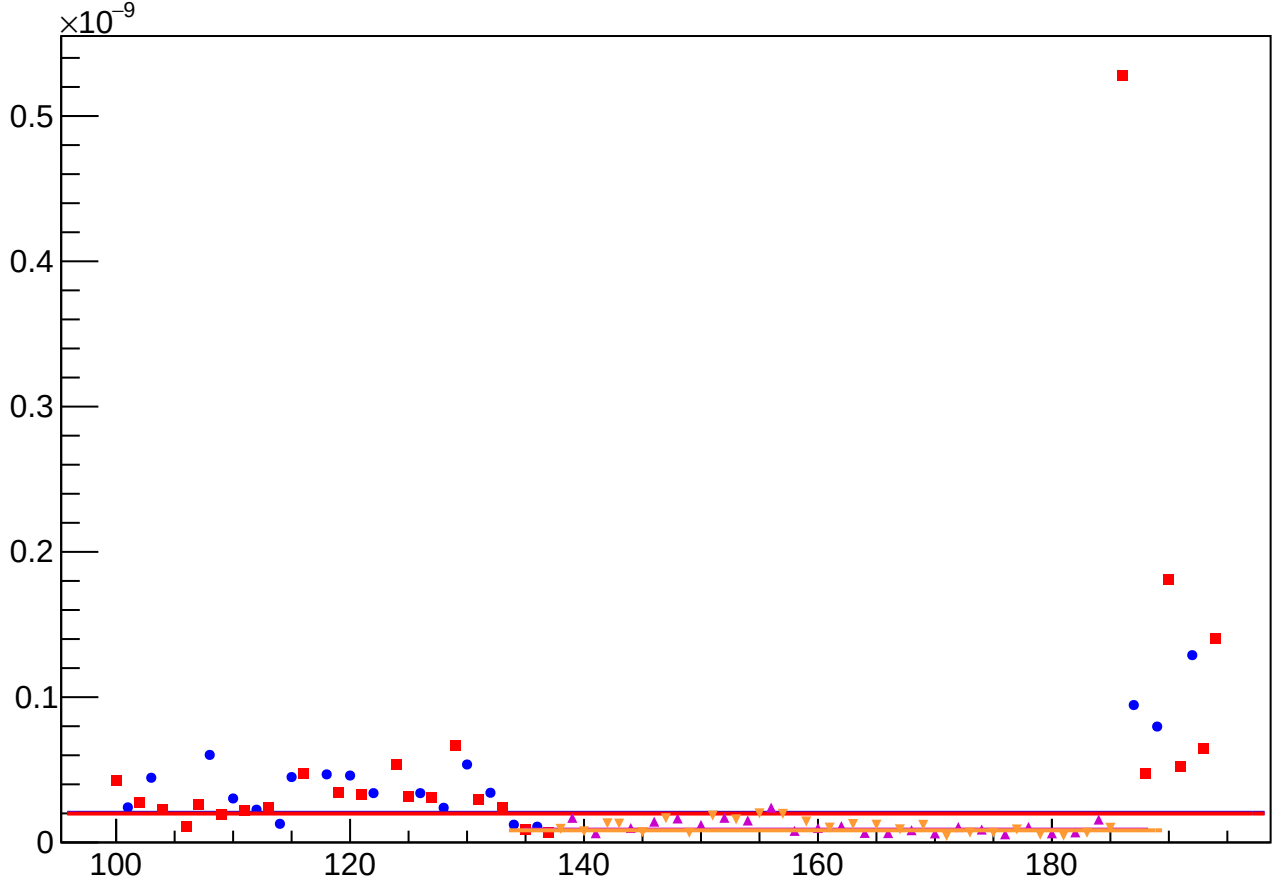
Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.9/43

All: -0.000+/-0.000 χ^2/NDF: 76.5/91

- sign -0.000+/-0.000 χ^2/NDF: 41.2/47

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2755107.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3116401.6/24

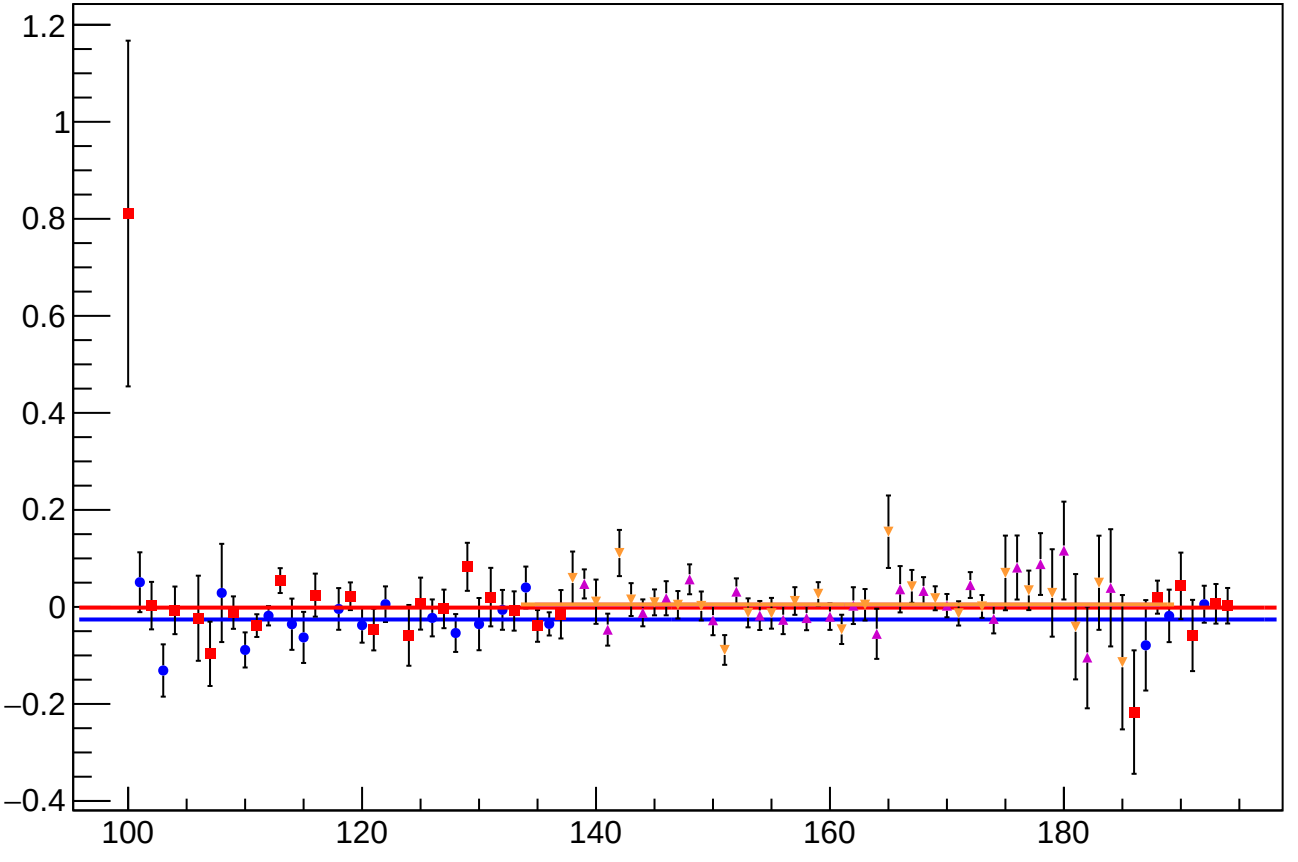
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6681191.3/43

All: 0.000+/-0.000 χ^2/NDF: 13038752.8/91

- sign 0.000+/-0.000 χ^2/NDF: 6327178.9/47

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: -0.001+/-0.008 χ^2/NDF: 26.5/24

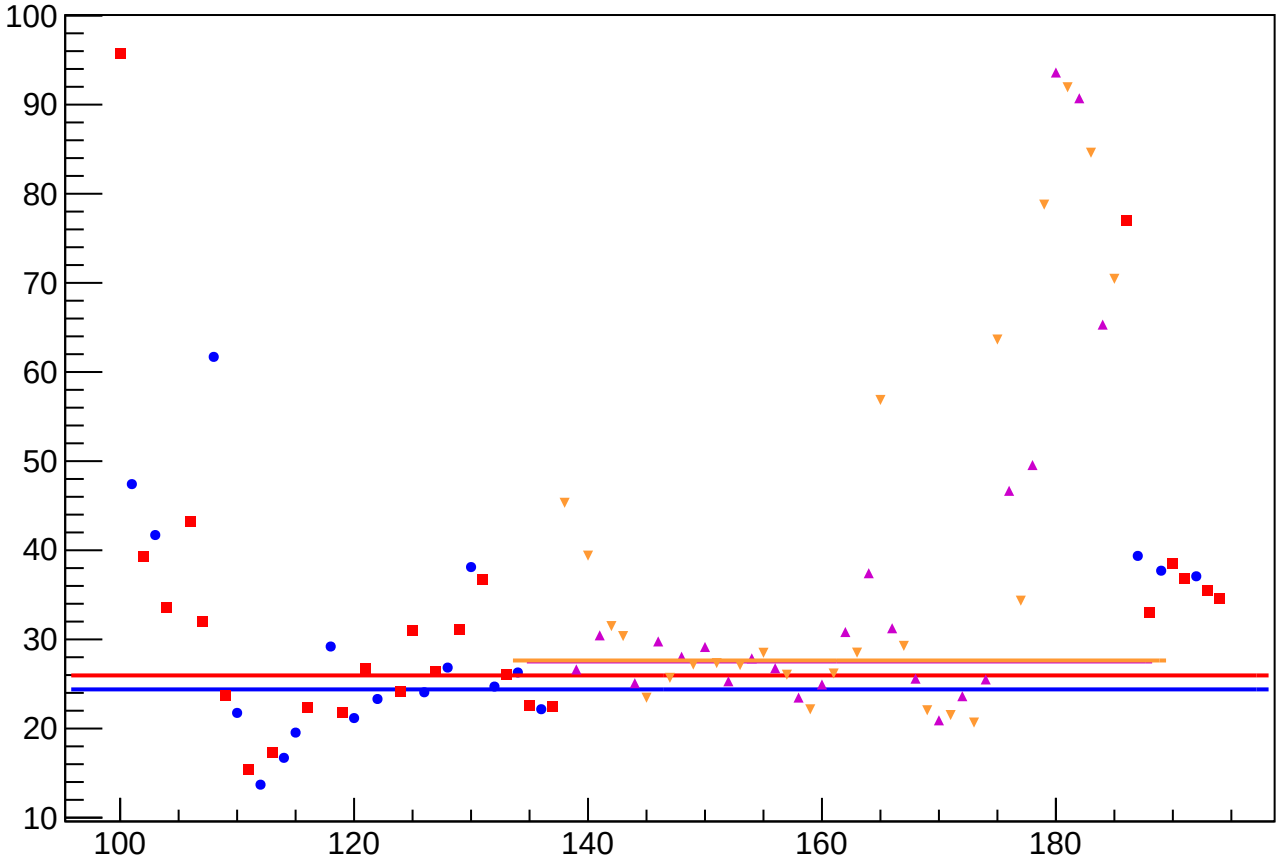
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 50.7/43

All: -0.002+/-0.004 χ^2/NDF: 103.8/91

- sign 0.002+/-0.005 χ^2/NDF: 51.9/47

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

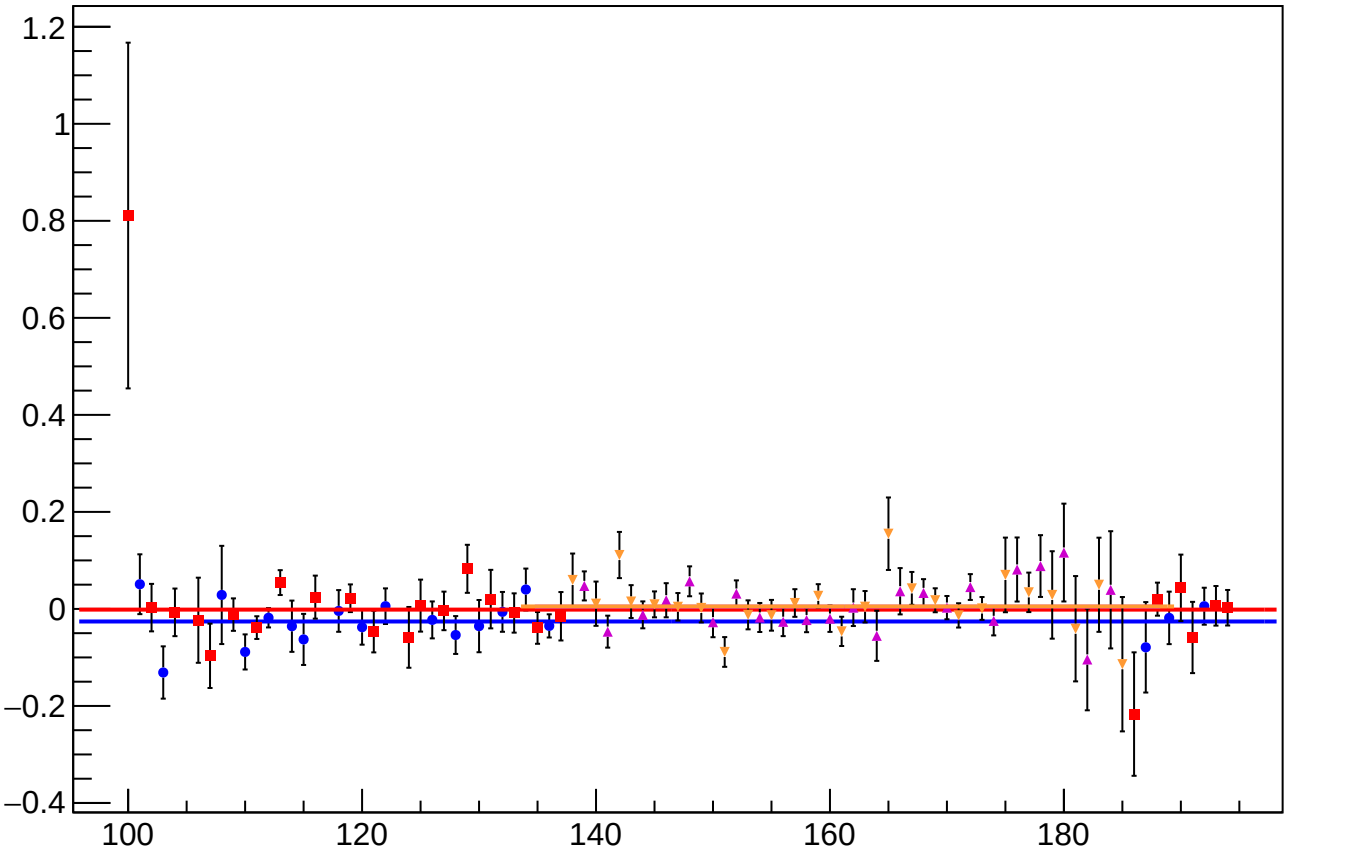
Right Out: 25.959+/-0.006 χ^2/NDF: 1947056.7/24

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.437+/-0.004 χ^2/NDF: 6138846.7/43

All: 26.663+/-0.003 χ^2/NDF: 10768450.2/91

- sign 26.882+/-0.004 χ^2/NDF: 4622811.4/47



Right In: -0.026+/-0.009 χ^2/NDF: 14.7/18

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

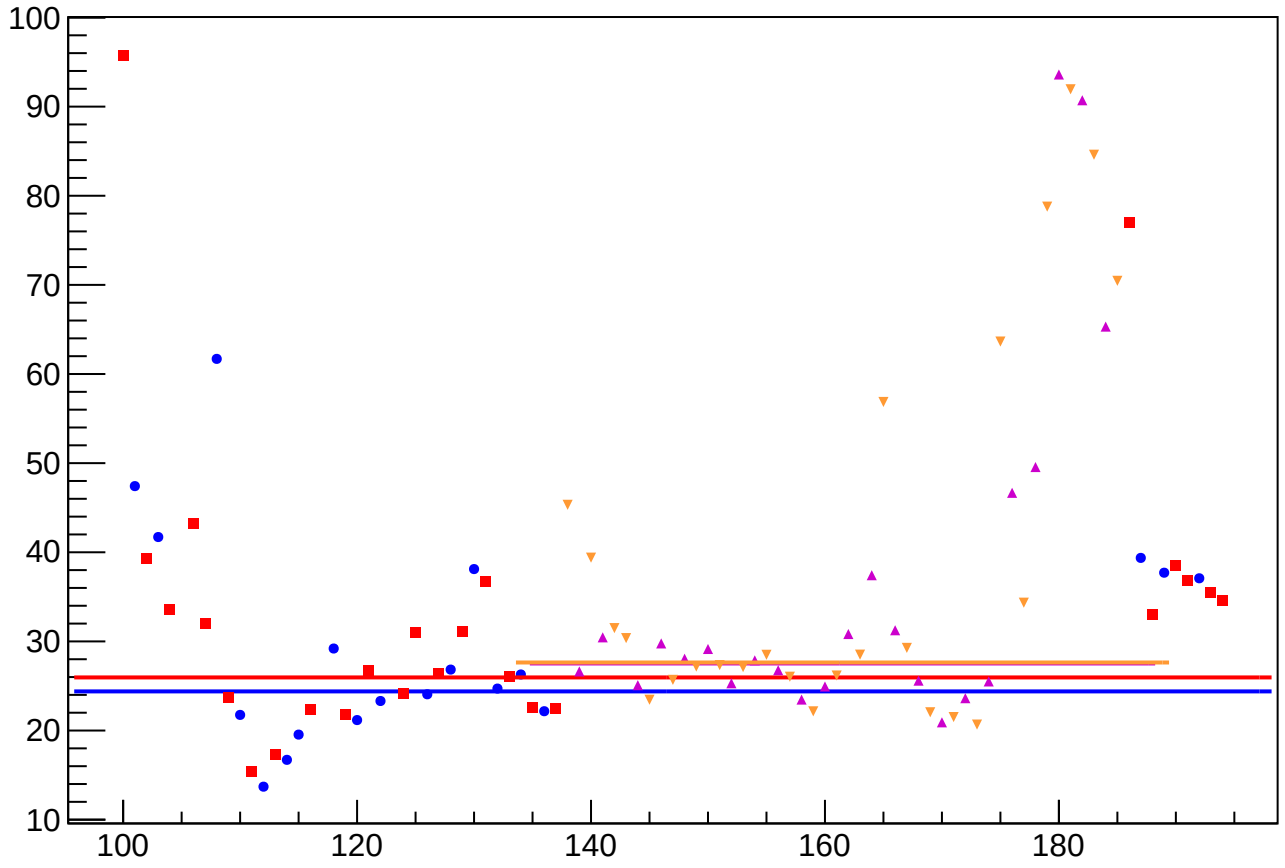
Right Out: -0.001+/-0.008 χ^2/NDF: 26.5/24

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 50.7/43

All: -0.002+/-0.004 χ^2/NDF: 103.8/91

- sign 0.002+/-0.005 χ^2/NDF: 51.9/47



Right In: 24.391+/-0.006 χ^2/NDF: 1999133.7/18

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

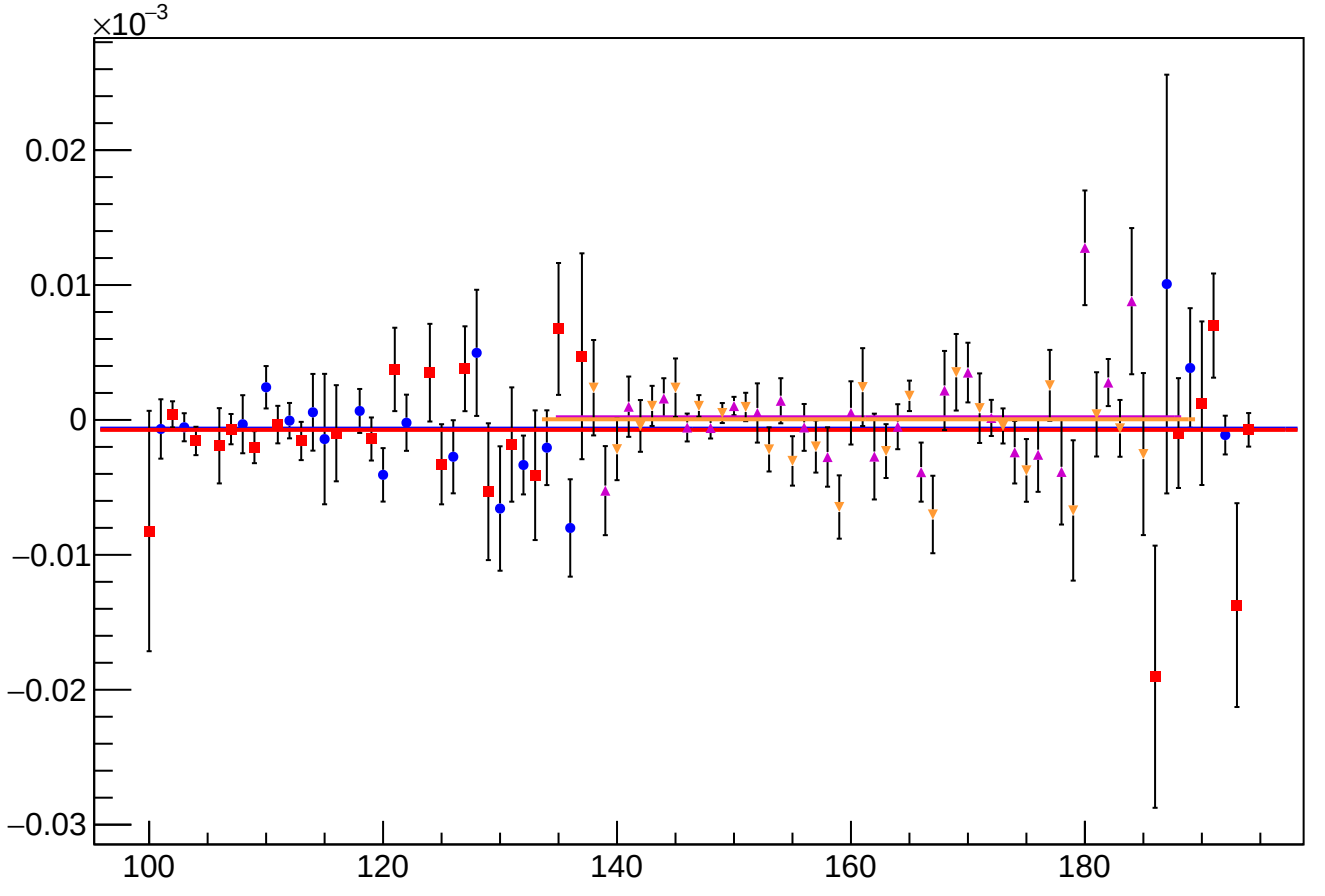
Right Out: 25.959+/-0.006 χ^2/NDF: 1947056.7/24

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.437+/-0.004 χ^2/NDF: 6138846.7/43

All: 26.663+/-0.003 χ^2/NDF: 10768450.2/91

- sign 26.882+/-0.004 χ^2/NDF: 4622811.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

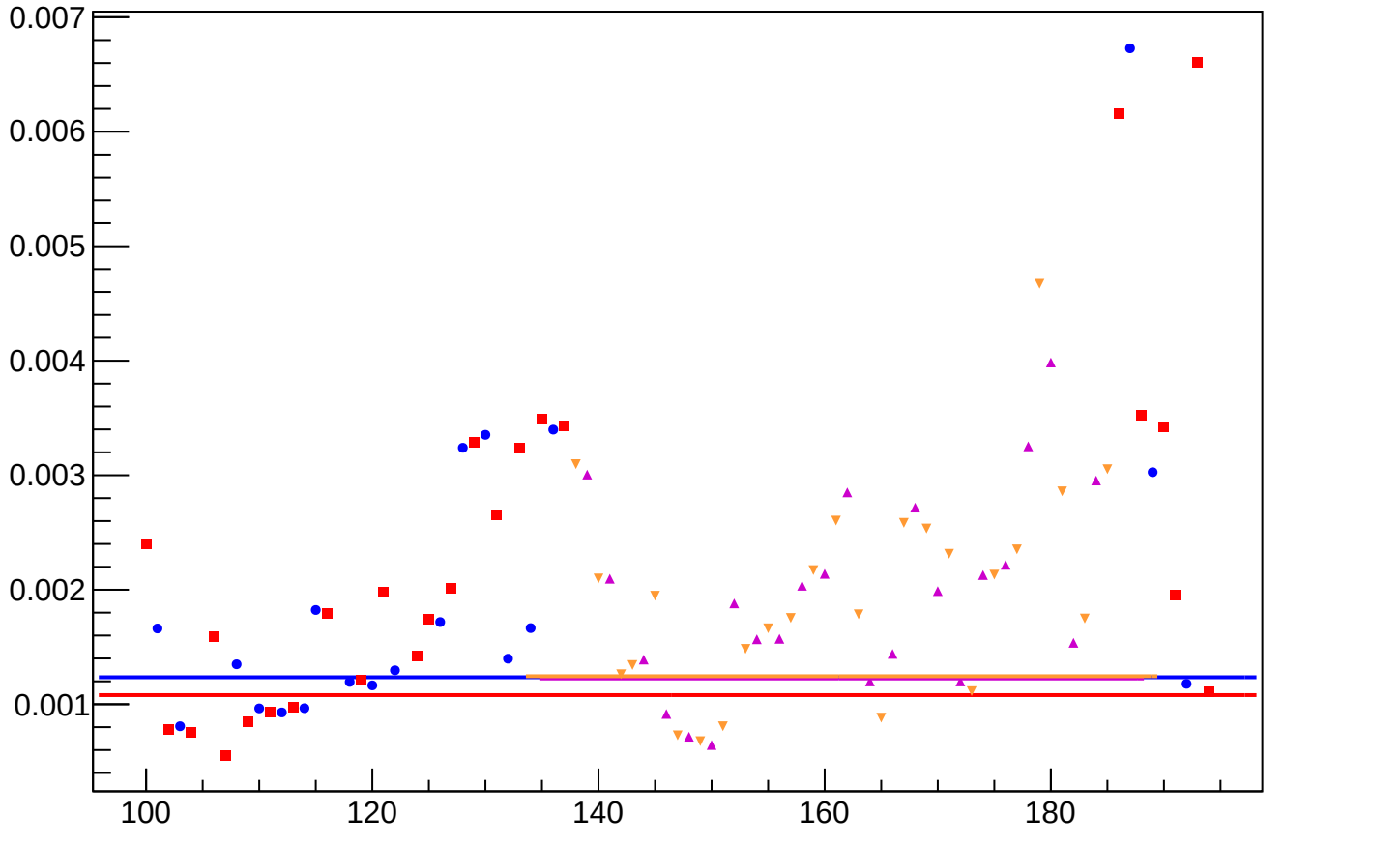
Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/24

Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.7/43

All: -0.000+/-0.000 χ^2/NDF: 120.0/91

- sign -0.000+/-0.000 χ^2/NDF: 62.4/47



Right In: 0.001+/-0.000 χ^2/NDF: 2851256.6/18

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

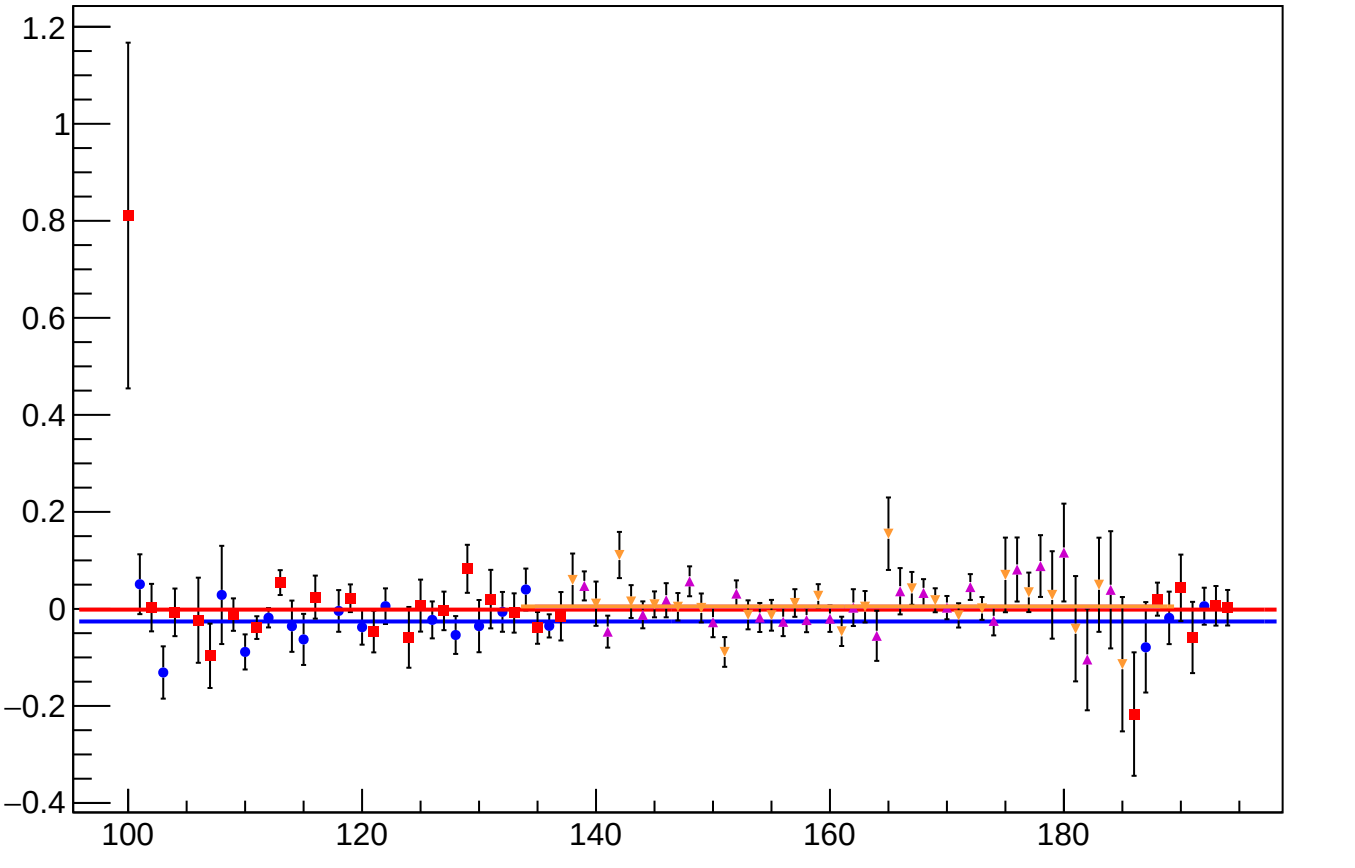
Right Out: 0.001+/-0.000 χ^2/NDF: 6085556.1/24

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 11192803.7/43

All: 0.001+/-0.000 χ^2/NDF: 25350022.1/91

- sign 0.001+/-0.000 χ^2/NDF: 14069307.1/47



Right In: -0.026+/-0.009 χ^2/NDF: 14.7/18

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

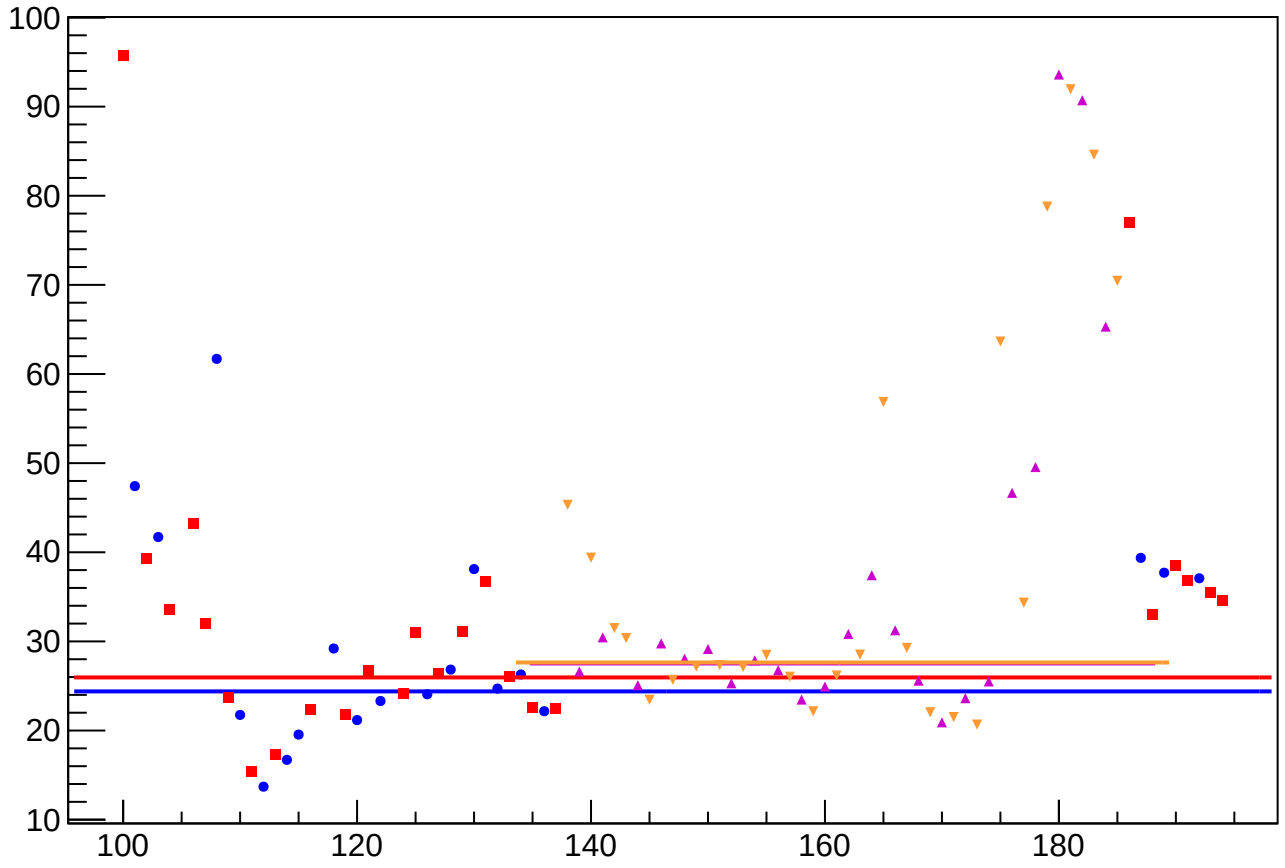
Right Out: -0.001+/-0.008 χ^2/NDF: 26.5/24

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 50.7/43

All: -0.002+/-0.004 χ^2/NDF: 103.8/91

- sign 0.002+/-0.005 χ^2/NDF: 51.9/47



Right In: 24.391+/-0.006 χ^2/NDF: 1999132.4/18

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

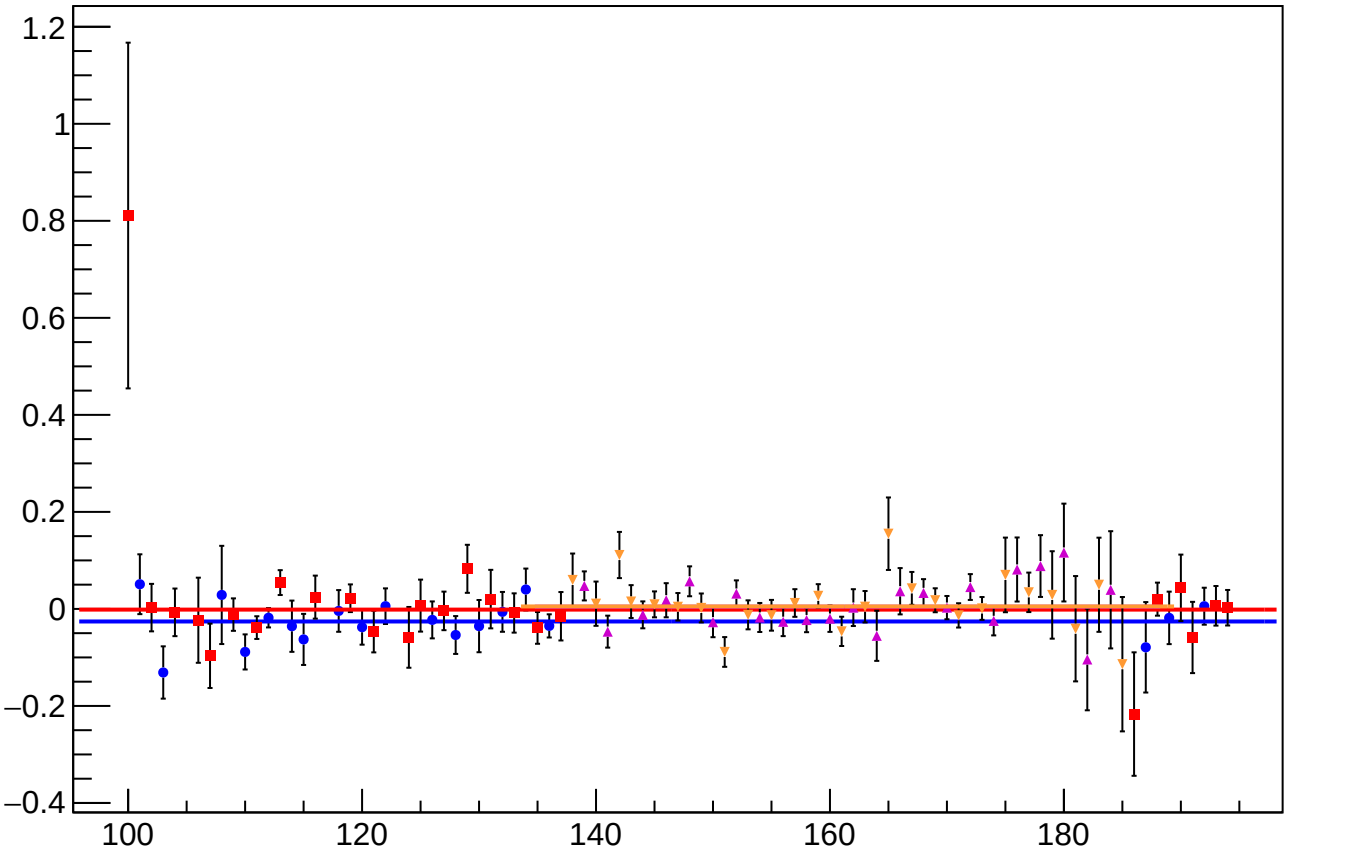
Right Out: 25.958+/-0.006 χ^2/NDF: 1947142.1/24

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.437+/-0.004 χ^2/NDF: 6138842.3/43

All: 26.663+/-0.003 χ^2/NDF: 10768518.8/91

- sign 26.882+/-0.004 χ^2/NDF: 4622887.2/47



Right In: -0.026+/-0.009 χ^2/NDF: 14.7/18

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

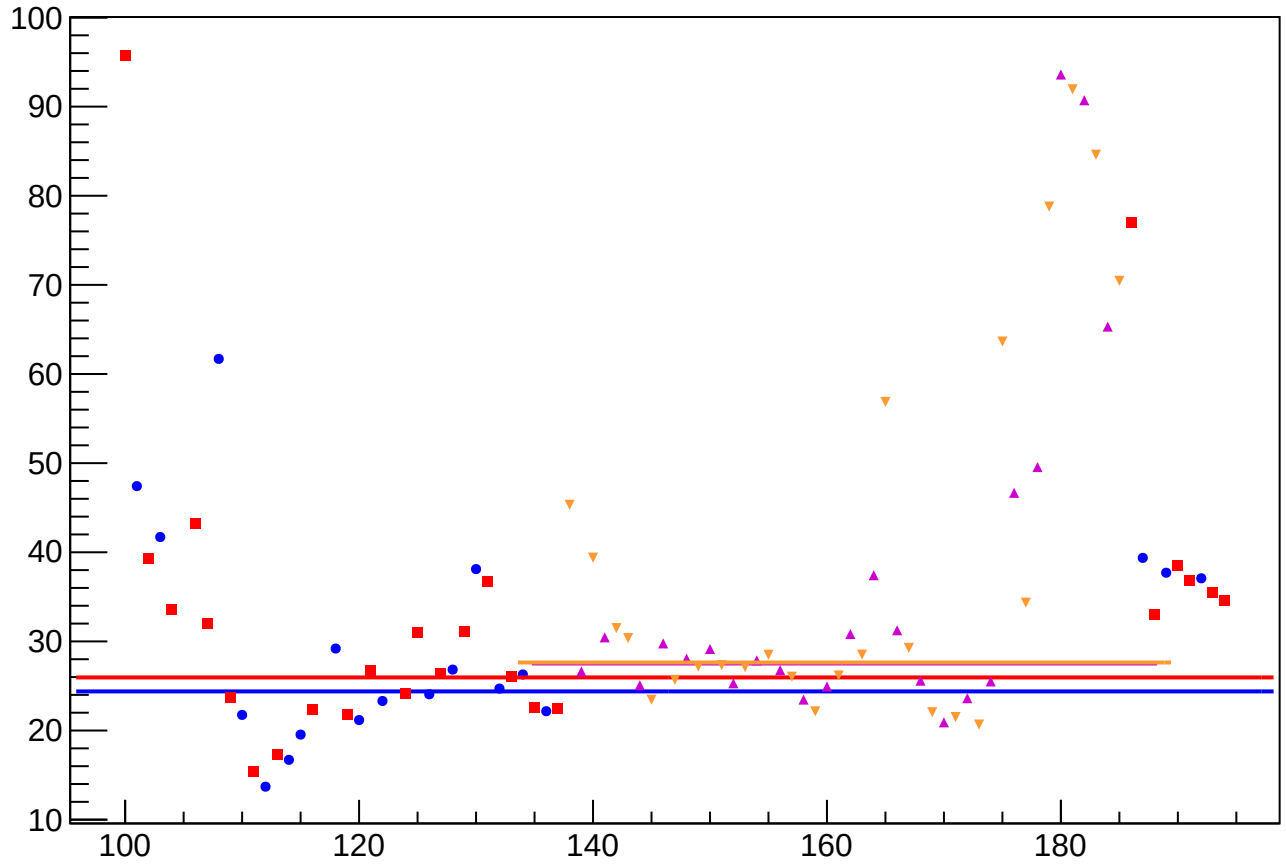
Right Out: -0.001+/-0.008 χ^2/NDF: 26.5/24

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.005 χ^2/NDF: 50.7/43

All: -0.002+/-0.004 χ^2/NDF: 103.8/91

- sign 0.002+/-0.005 χ^2/NDF: 51.9/47



Right In: 24.391+/-0.006 χ^2/NDF: 1999132.4/18

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

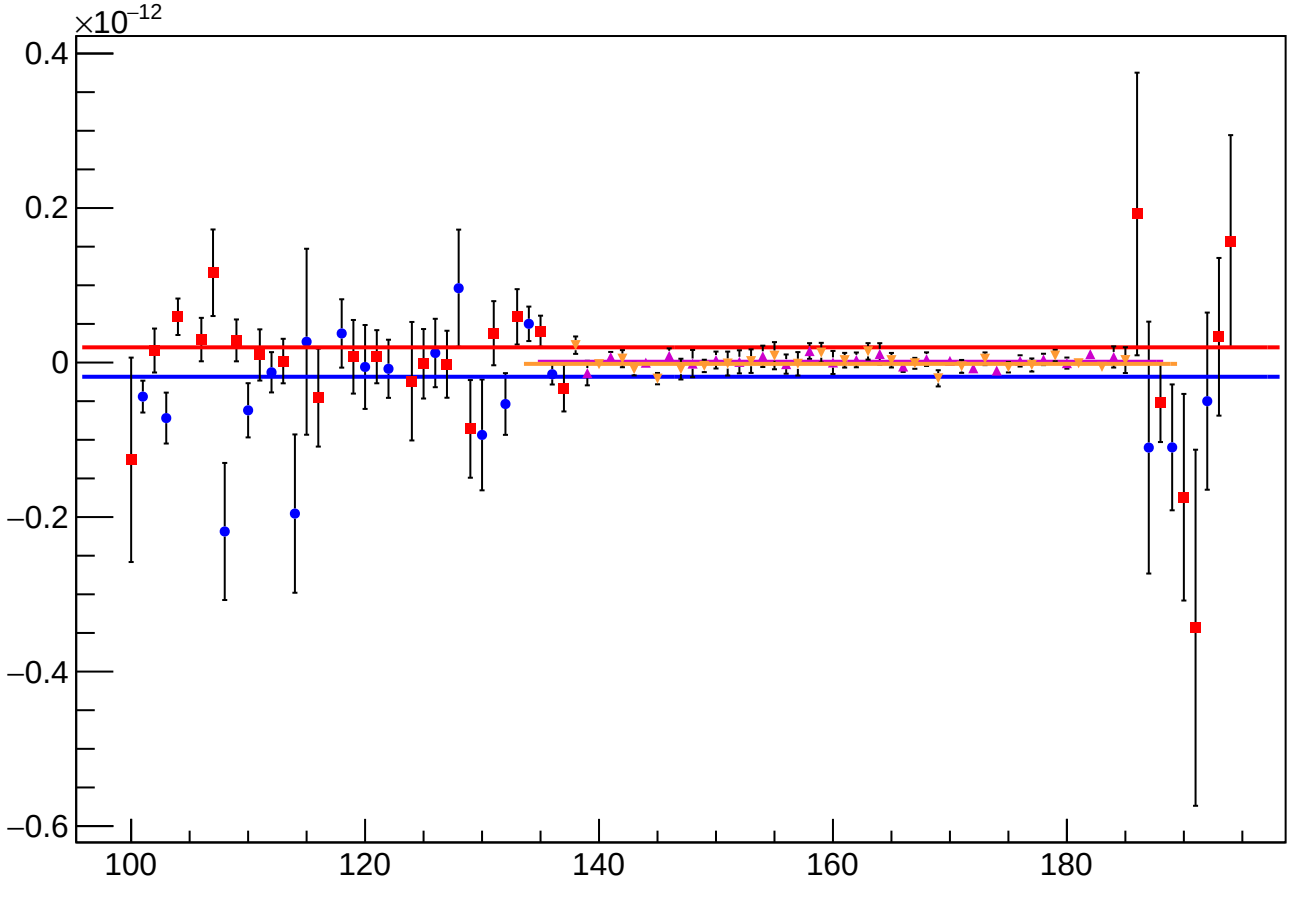
Right Out: 25.958+/-0.006 χ^2/NDF: 1947142.1/24

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.437+/-0.004 χ^2/NDF: 6138842.3/43

All: 26.663+/-0.003 χ^2/NDF: 10768518.8/91

- sign 26.882+/-0.004 χ^2/NDF: 4622887.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 31.5/18

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

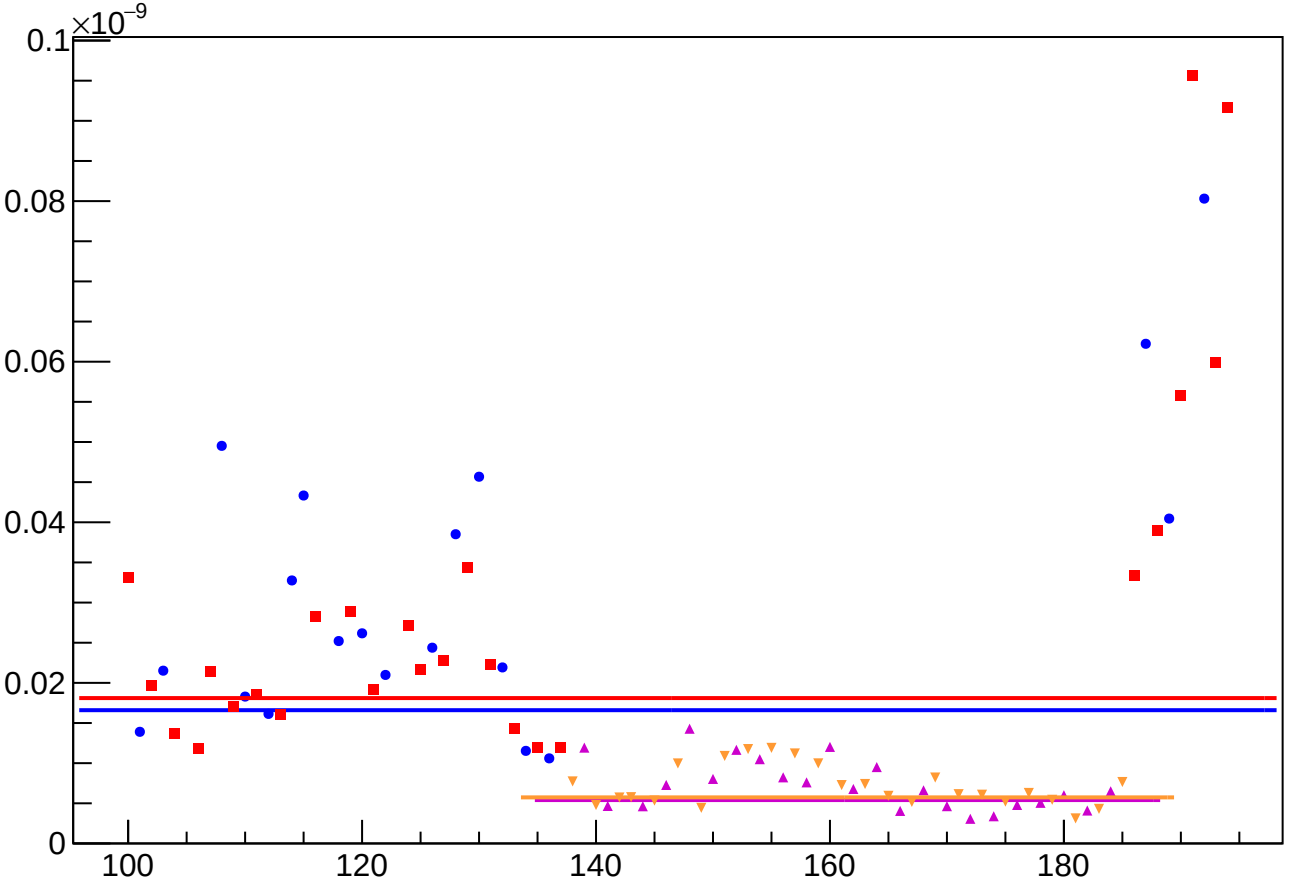
Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/24

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.4/43

All: -0.000+/-0.000 χ^2/NDF: 112.4/91

- sign 0.000+/-0.000 χ^2/NDF: 48.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 2723037.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2521867.4/24

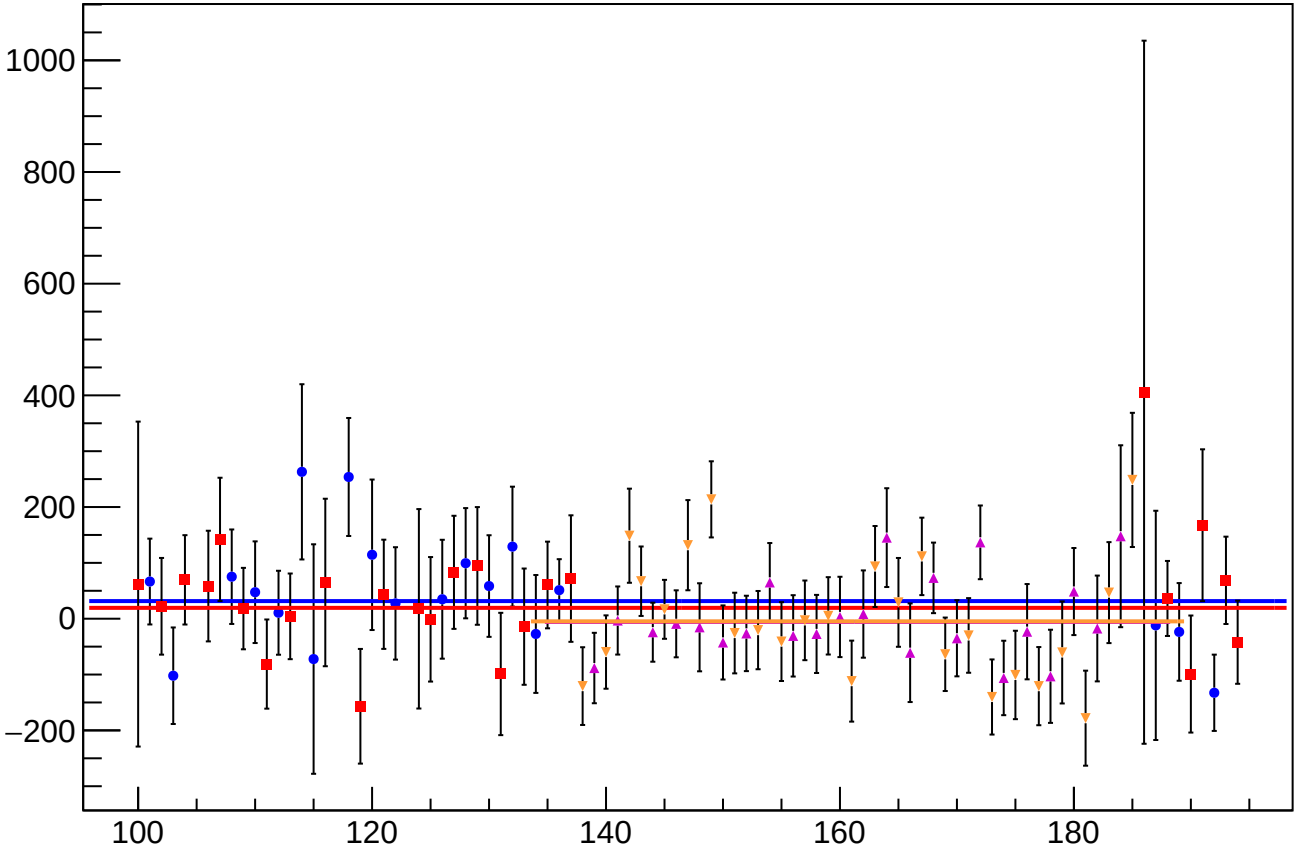
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9154317.7/43

All: 0.000+/-0.000 χ^2/NDF: 20304766.6/91

- sign 0.000+/-0.000 χ^2/NDF: 11127626.8/47

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: 19.439+/-19.331 χ^2/NDF: 13.2/24

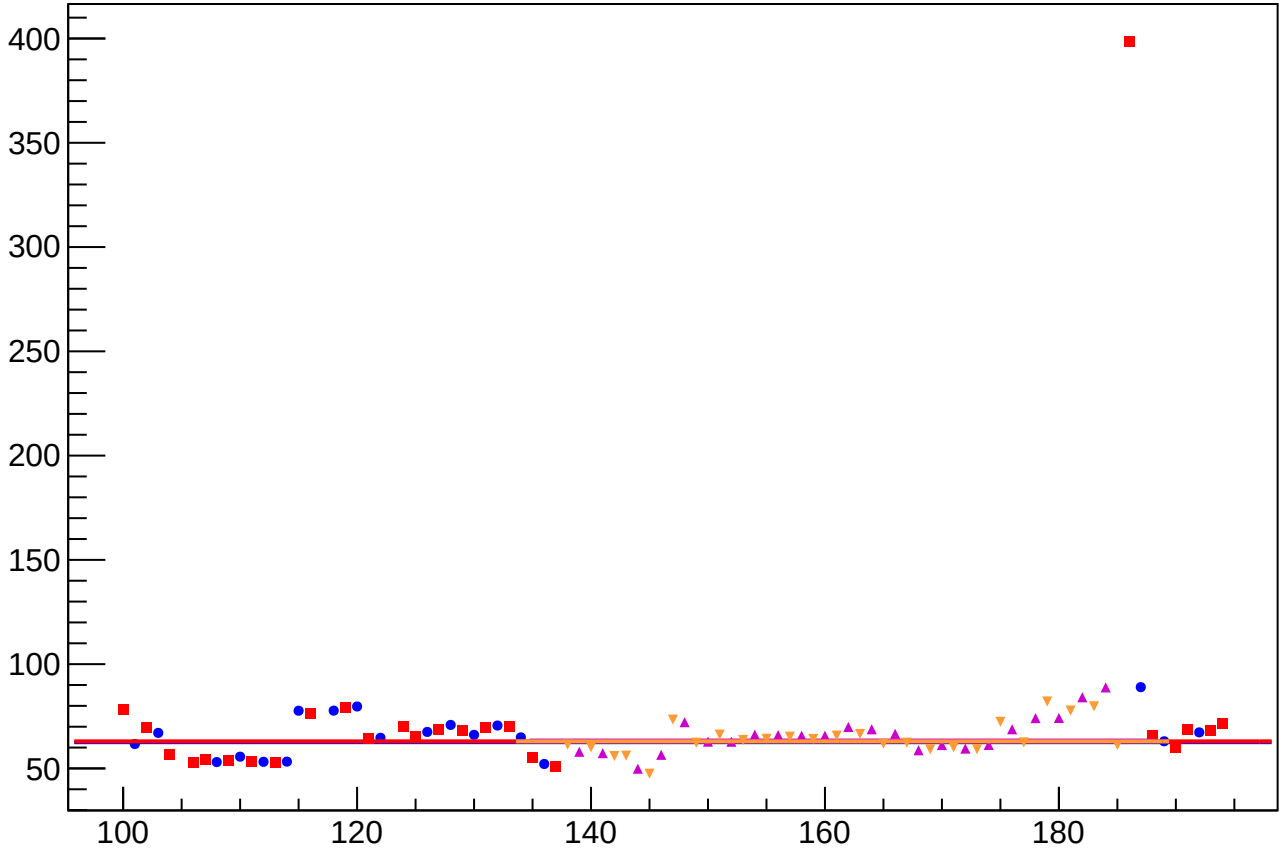
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 6.767+/-11.925 χ^2/NDF: 67.6/43

All: 5.192+/-8.394 χ^2/NDF: 100.2/91

- sign 3.645+/-11.817 χ^2/NDF: 32.6/47

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: 62.981+/-0.014 χ^2/NDF: 912297.7/24

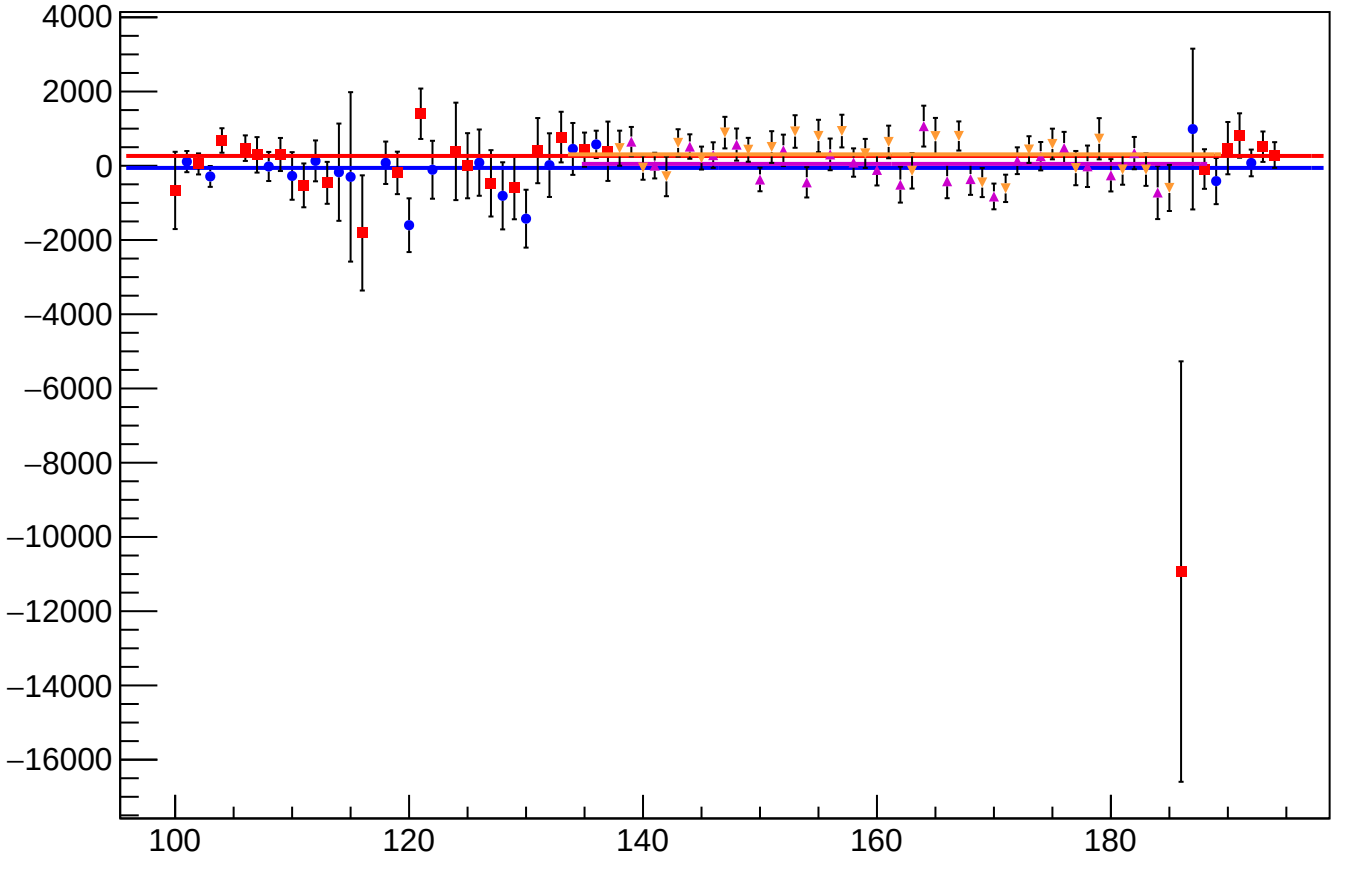
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.851+/-0.008 χ^2/NDF: 840128.6/43

All: 63.038+/-0.006 χ^2/NDF: 2250822.7/91

- sign 63.222+/-0.008 χ^2/NDF: 1409719.7/47

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: 264.436+/-106.012 χ^2/NDF: 20.2/24

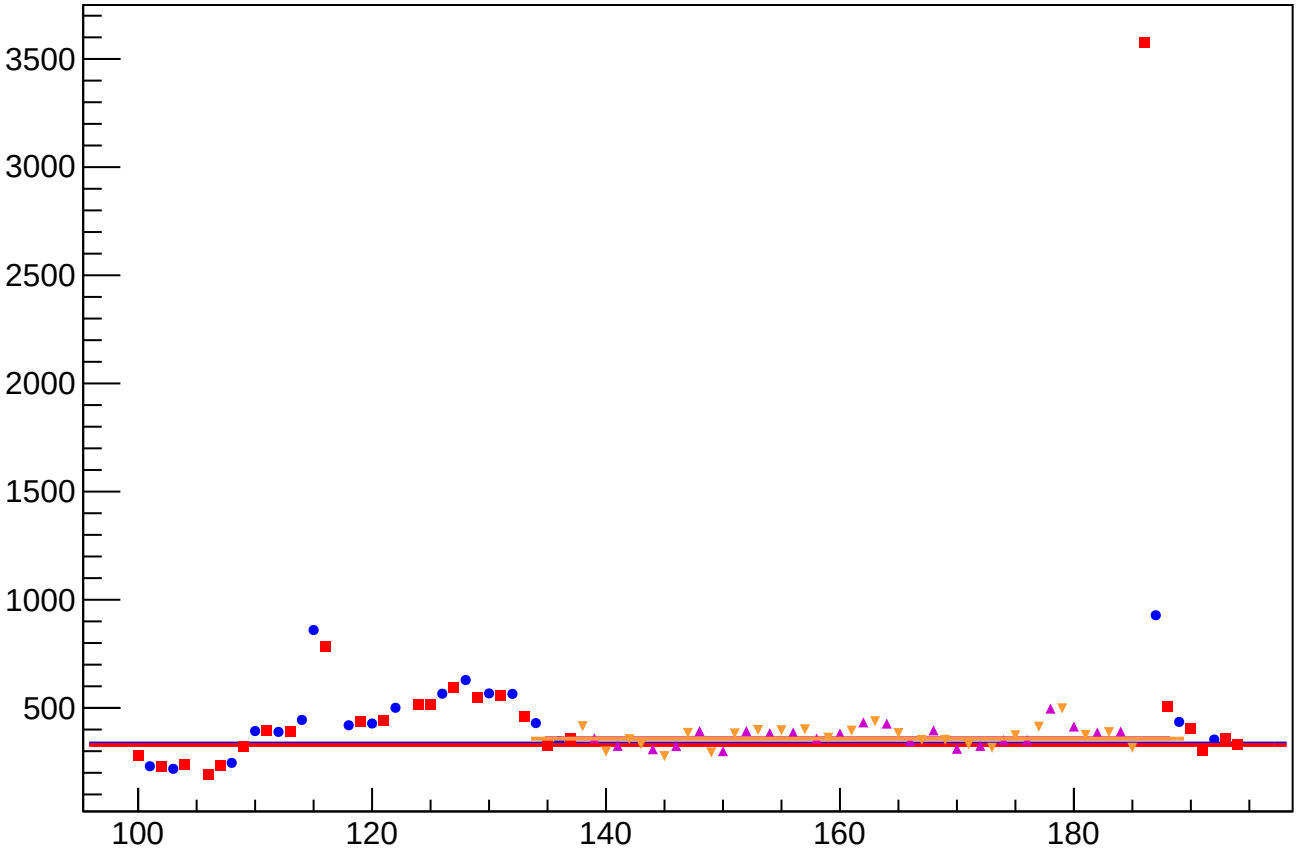
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 189.574+/-67.819 χ^2/NDF: 50.9/43

All: 160.996+/-47.387 χ^2/NDF: 101.2/91

- sign 133.735+/-66.239 χ^2/NDF: 50.0/47

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: 329.031+/-0.075 χ^2/NDF: 2740474.1/24

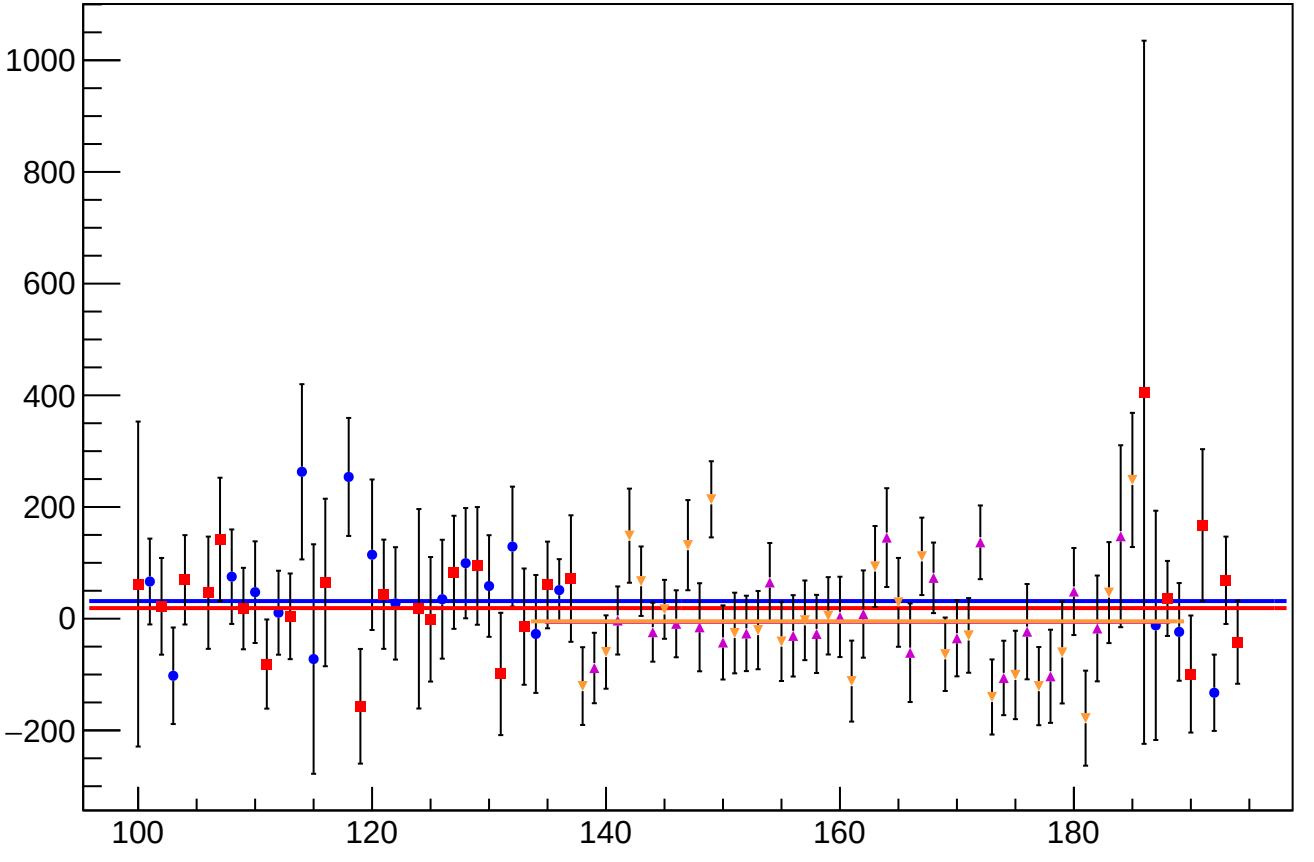
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 350.440+/-0.048 χ^2/NDF: 2683554.2/43

All: 348.942+/-0.034 χ^2/NDF: 6045416.0/91

- sign 347.513+/-0.047 χ^2/NDF: 3359955.4/47

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: 18.954+/-19.341 χ^2/NDF: 13.1/24

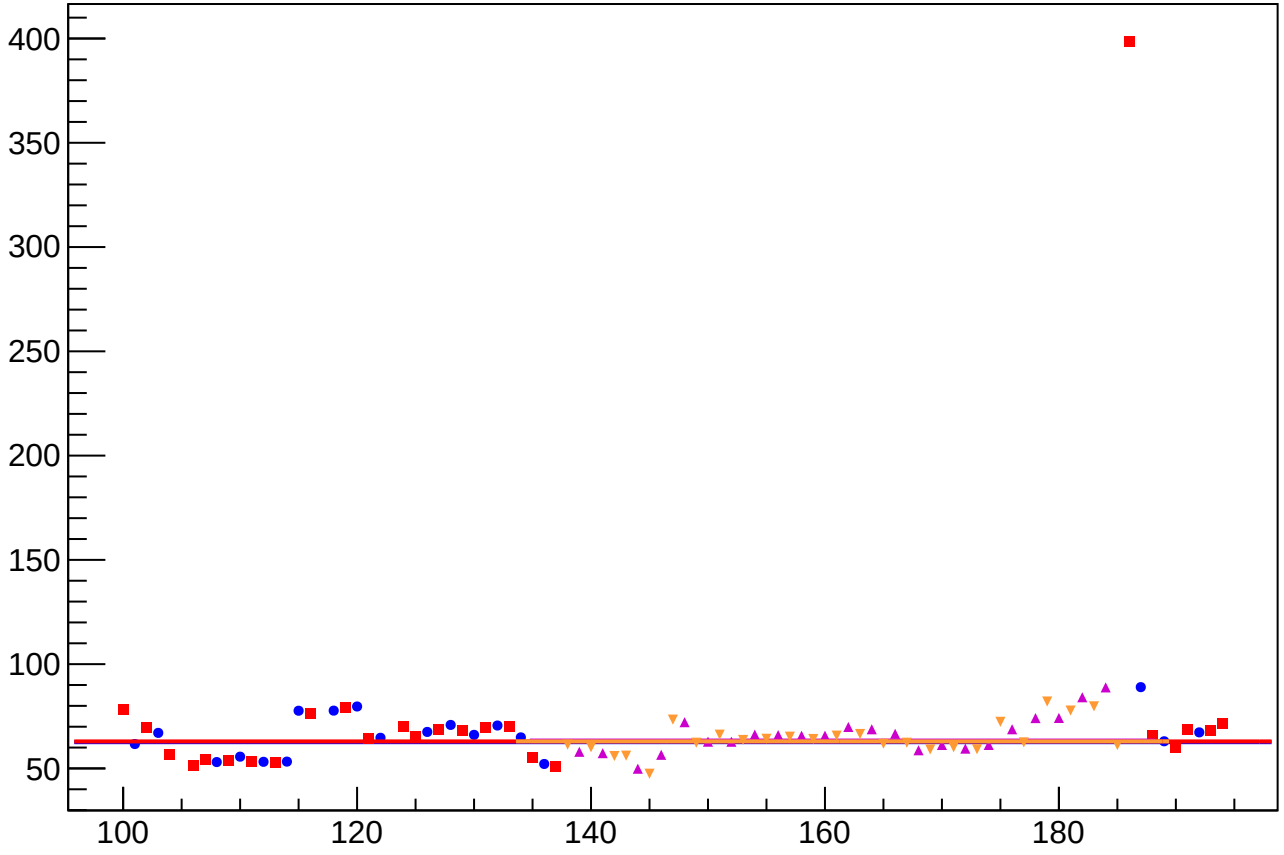
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 6.761+/-11.925 χ^2/NDF: 67.6/43

All: 5.095+/-8.395 χ^2/NDF: 100.1/91

- sign 3.459+/-11.819 χ^2/NDF: 32.5/47

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

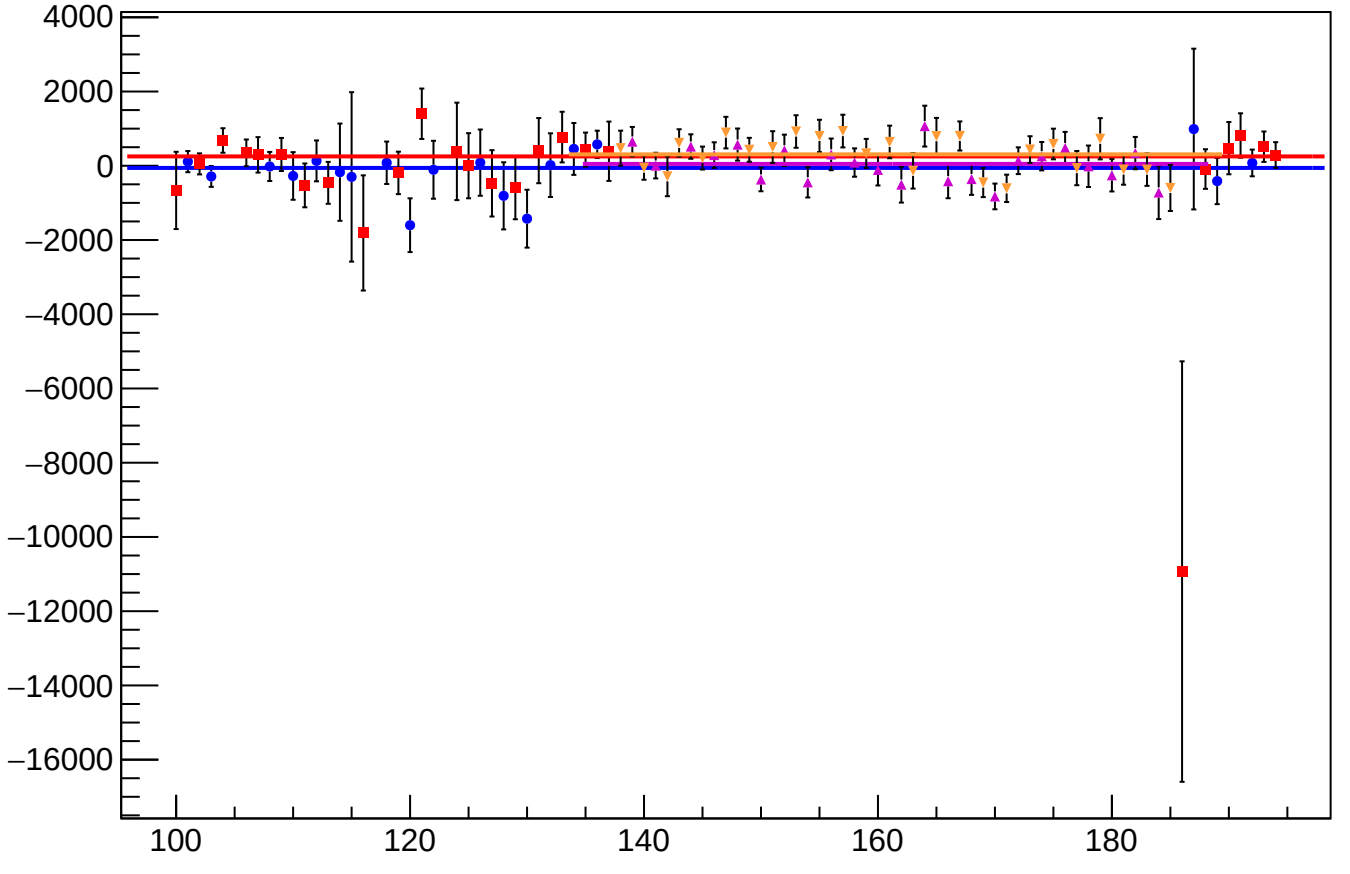
Right Out: 62.953+/-0.014 χ^2/NDF: 916317.8/24

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.851+/-0.008 χ^2/NDF: 840128.8/43

All: 63.033+/-0.006 χ^2/NDF: 2254863.5/91

- sign 63.211+/-0.008 χ^2/NDF: 1413813.8/47



Right In: -58.101+/-119.524 χ^2/NDF: 13.9/18

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 251.855+/-106.462 χ^2/NDF: 19.9/24

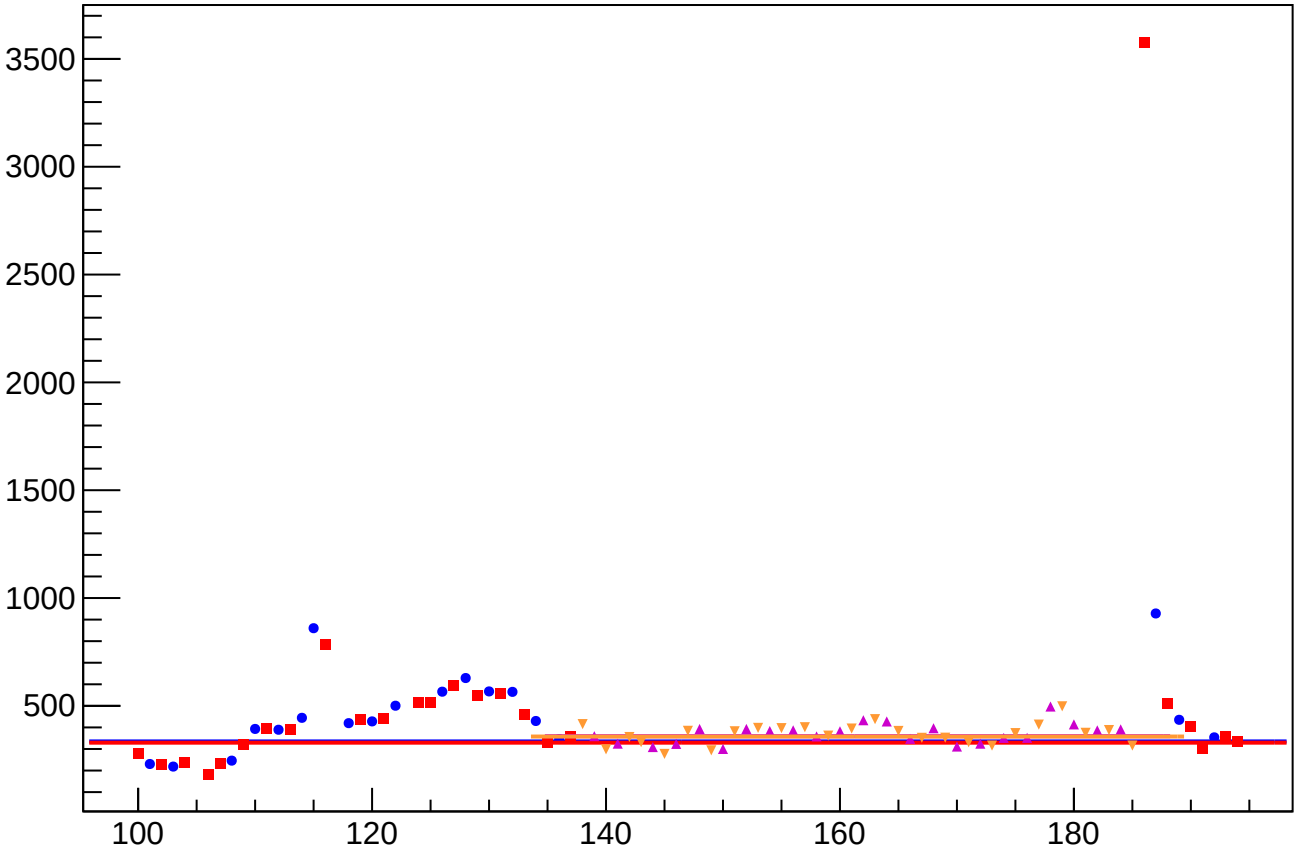
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 189.574+/-67.819 χ^2/NDF: 50.9/43

All: 158.325+/-47.427 χ^2/NDF: 100.7/91

- sign 128.416+/-66.348 χ^2/NDF: 49.4/47

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: 329.302+/-0.075 χ^2/NDF: 2757781.3/24

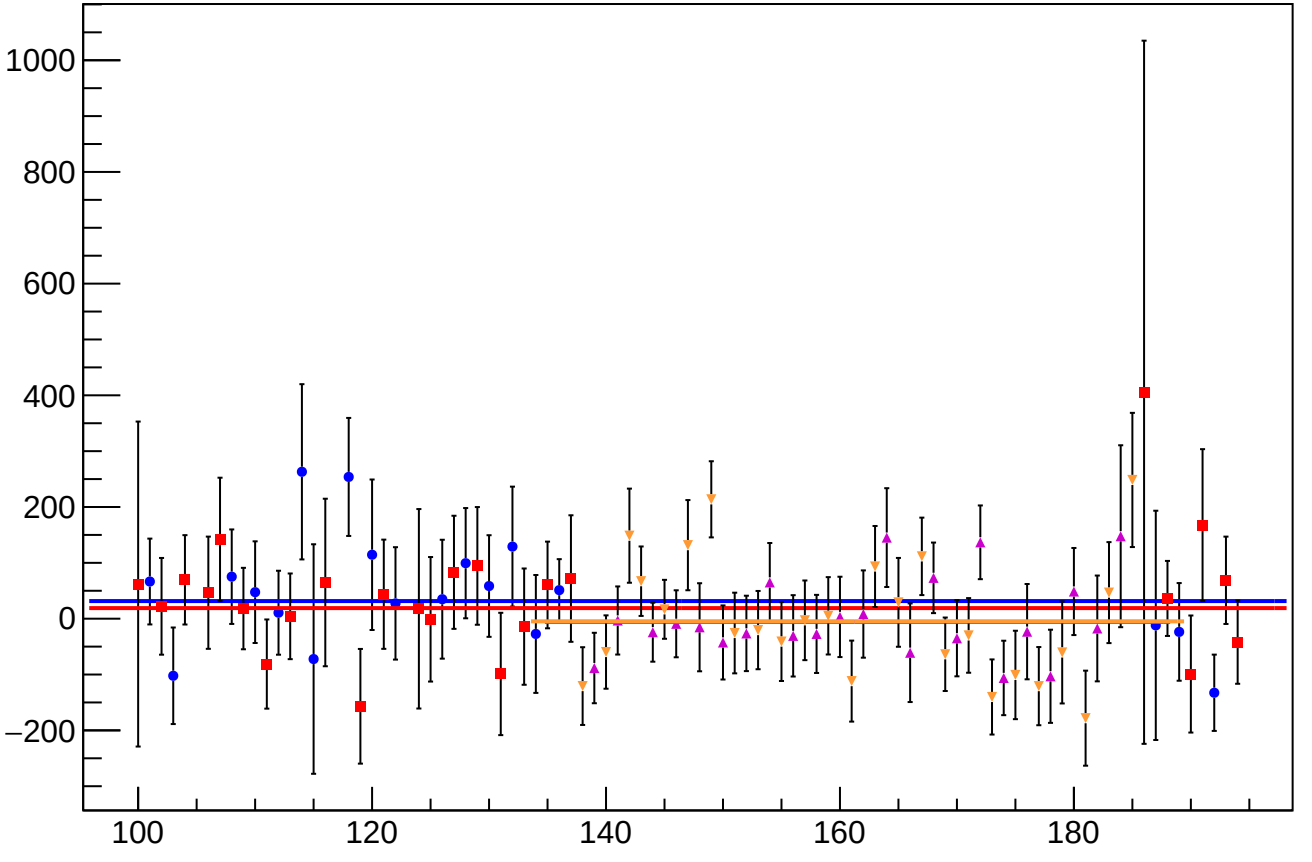
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 350.441+/-0.048 χ^2/NDF: 2683471.8/43

All: 349.030+/-0.034 χ^2/NDF: 6060151.7/91

- sign 347.680+/-0.047 χ^2/NDF: 3374985.7/47

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: 18.954+/-19.341 χ^2/NDF: 13.1/24

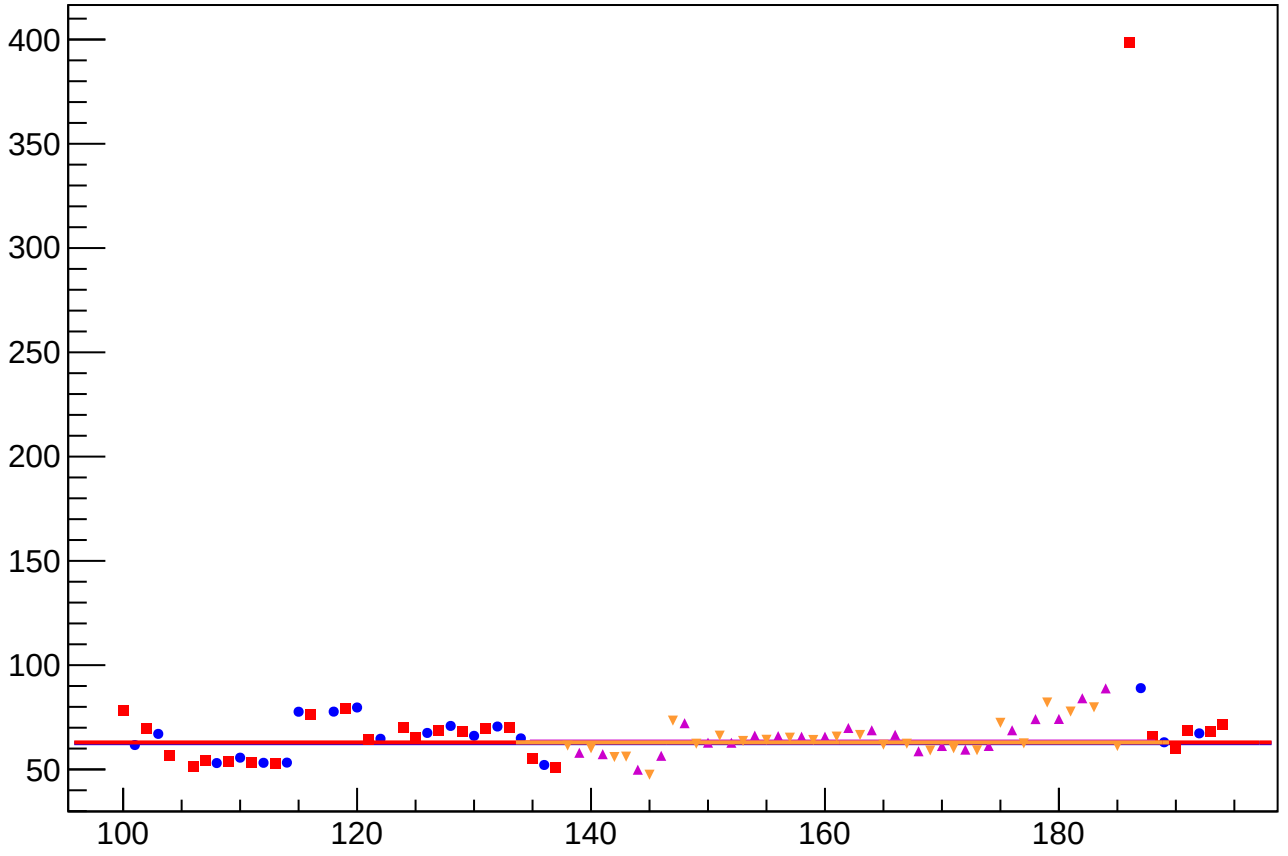
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 6.761+/-11.925 χ^2/NDF: 67.6/43

All: 5.095+/-8.395 χ^2/NDF: 100.1/91

- sign 3.459+/-11.819 χ^2/NDF: 32.5/47

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

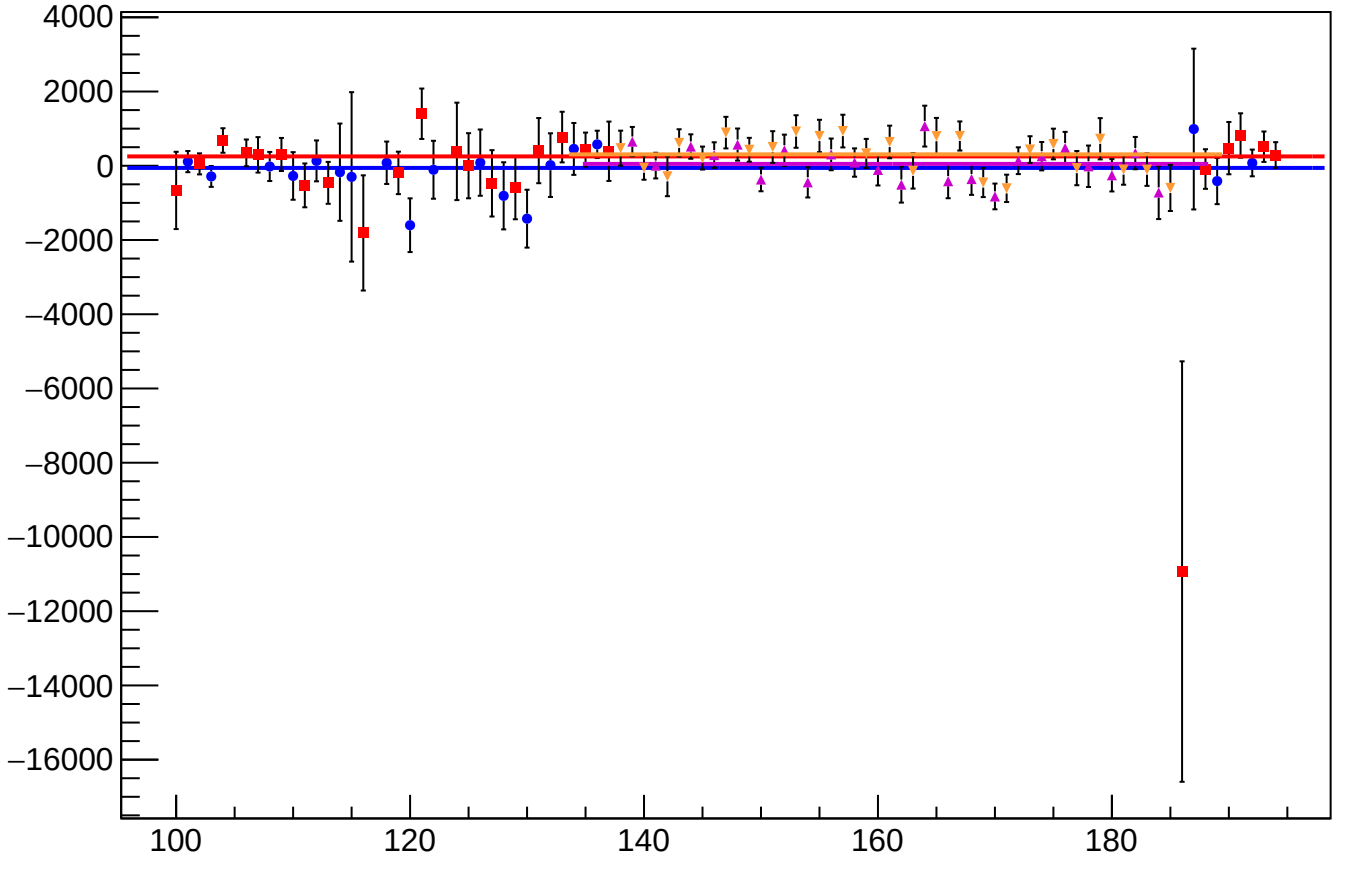
Right Out: 62.953+/-0.014 χ^2/NDF: 916317.8/24

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.851+/-0.008 χ^2/NDF: 840128.8/43

All: 63.033+/-0.006 χ^2/NDF: 2254863.5/91

- sign 63.211+/-0.008 χ^2/NDF: 1413813.8/47



Right In: -58.101+/-119.524 χ^2/NDF: 13.9/18

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

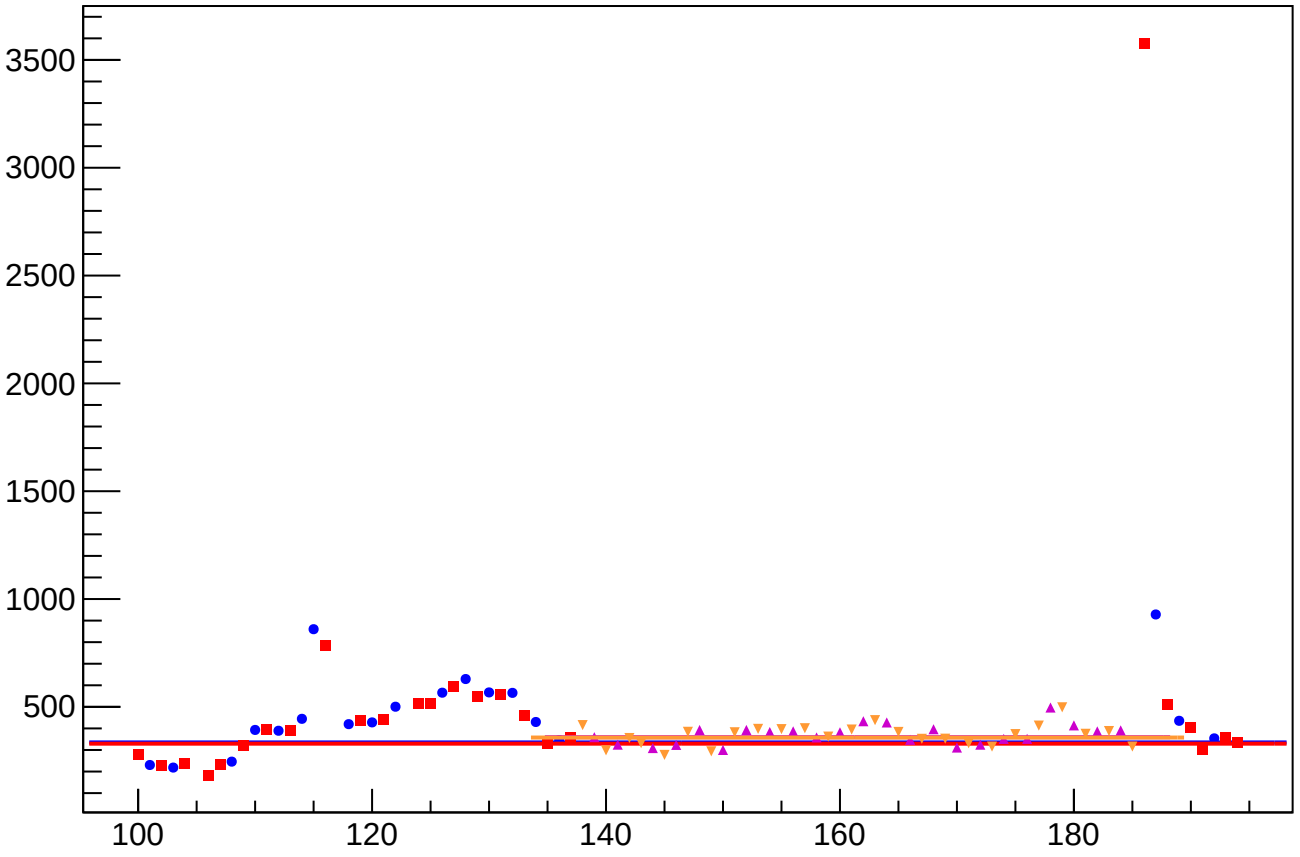
Right Out: 251.855+/-106.462 χ^2/NDF: 19.9/24

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 189.574+/-67.819 χ^2/NDF: 50.9/43

All: 158.325+/-47.427 χ^2/NDF: 100.7/91

- sign 128.416+/-66.348 χ^2/NDF: 49.4/47



Right In: 335.087+/-0.085 χ^2/NDF: 1951071.5/18

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 329.302+/-0.075 χ^2/NDF: 2757781.3/24

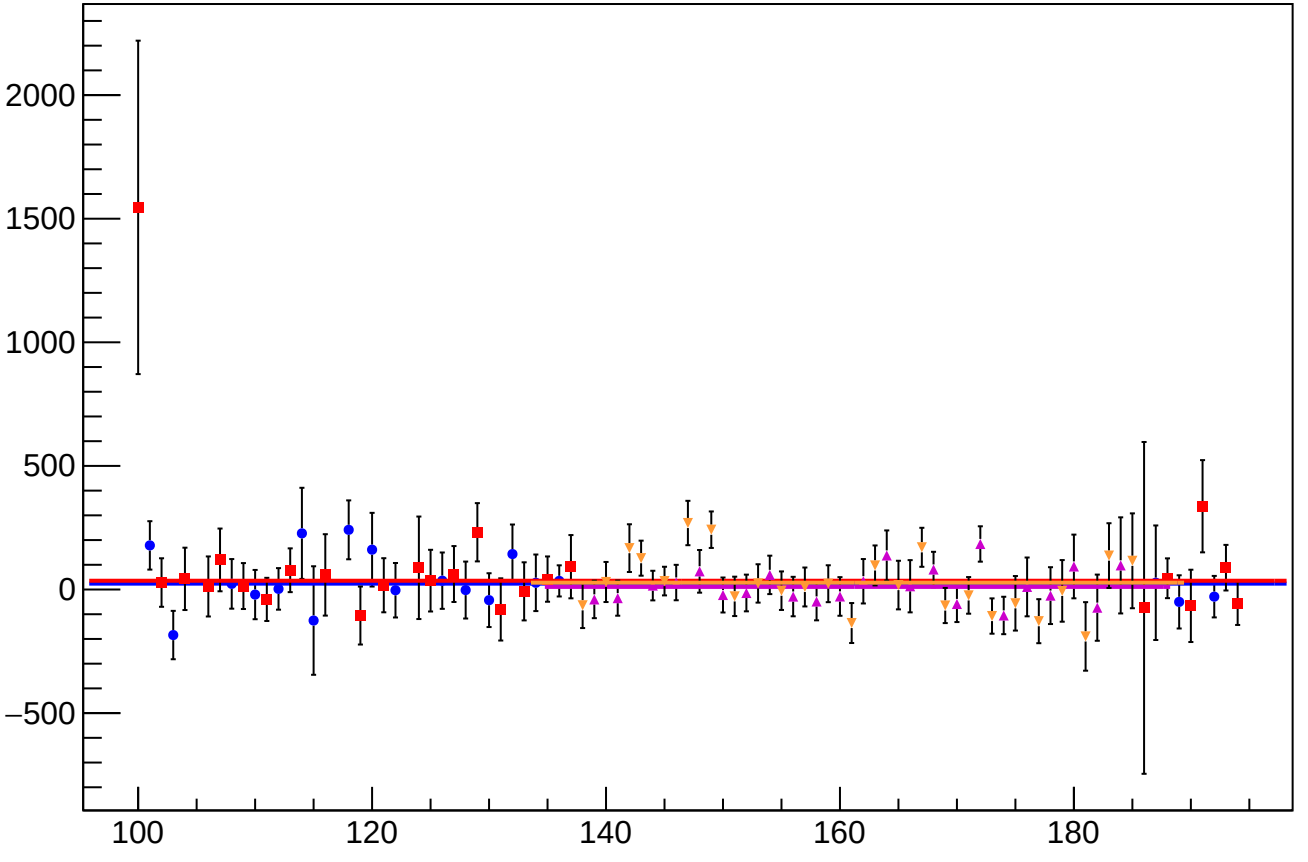
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 350.441+/-0.048 χ^2/NDF: 2683471.8/43

All: 349.030+/-0.034 χ^2/NDF: 6060151.7/91

- sign 347.680+/-0.047 χ^2/NDF: 3374985.7/47

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: 35.471+/-22.955 χ^2/NDF: 16.6/24

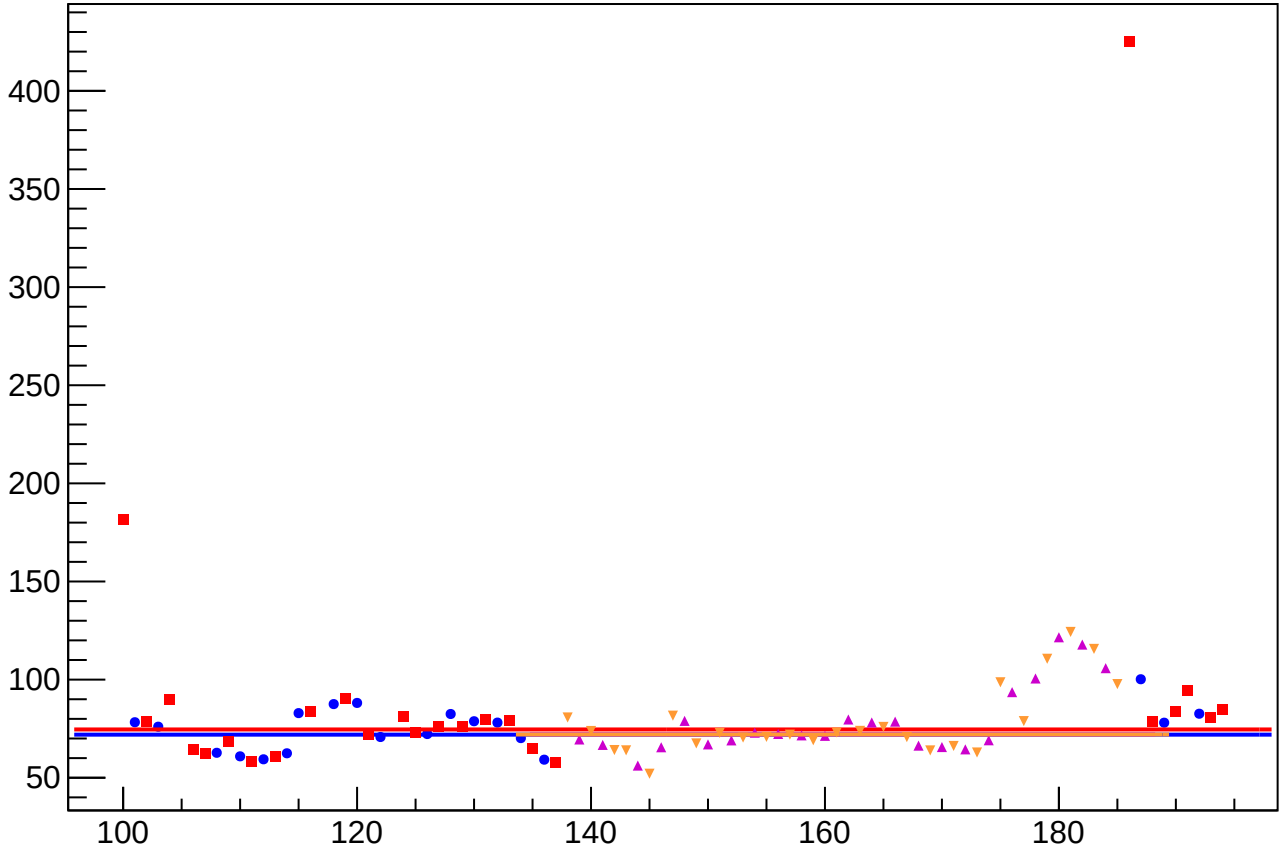
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 26.395+/-13.804 χ^2/NDF: 57.9/43

All: 22.945+/-9.752 χ^2/NDF: 91.5/91

- sign 19.509+/-13.777 χ^2/NDF: 33.4/47

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: 74.609+/-0.016 χ^2/NDF: 969990.7/24

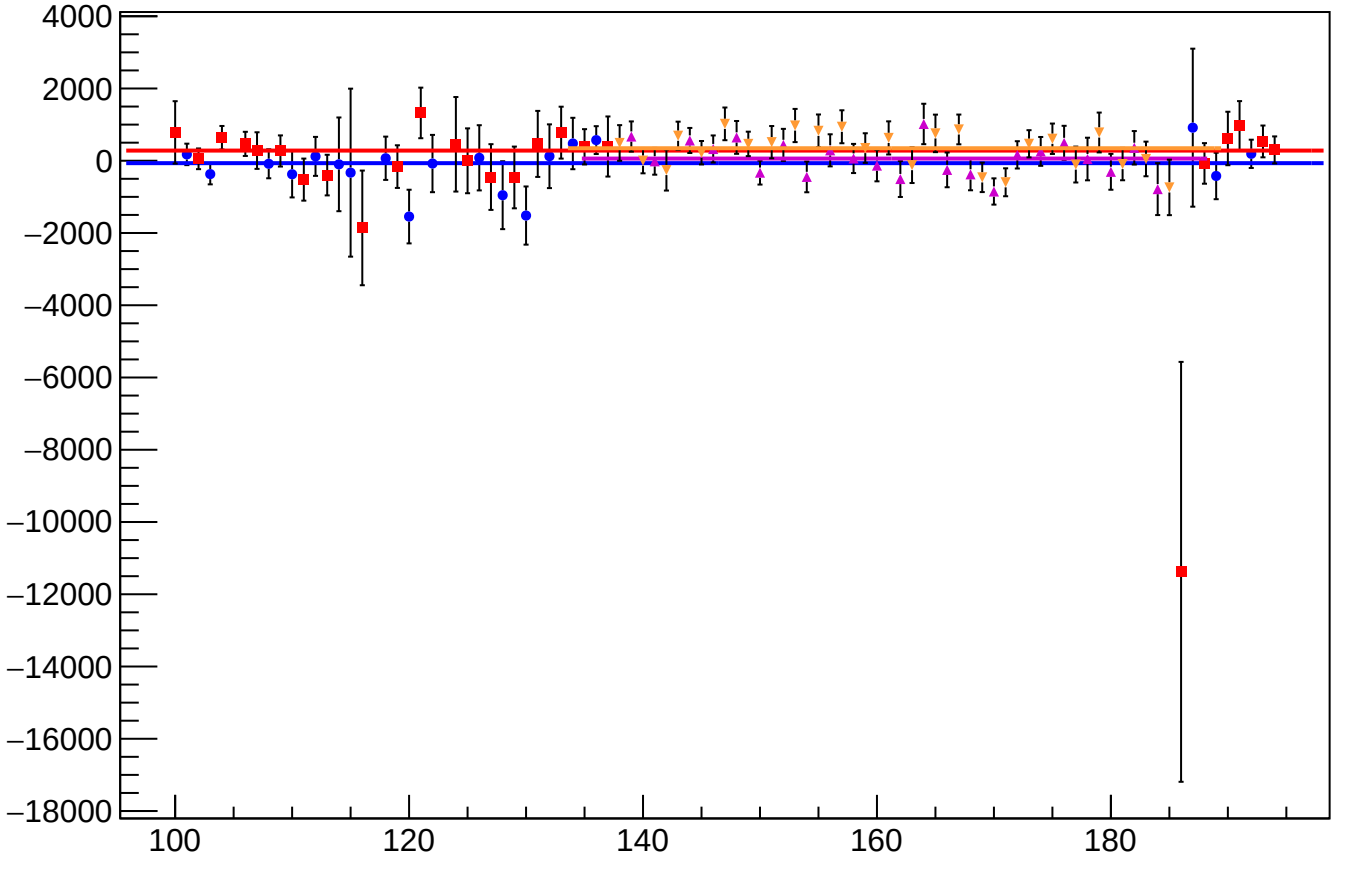
Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

\+ sign 72.014+/-0.010 χ^2/NDF: 1616351.0/43

All: 72.507+/-0.007 χ^2/NDF: 3665678.3/91

\- sign 72.999+/-0.010 χ^2/NDF: 2044230.1/47

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -66.935+/-123.281 χ^2/NDF: 14.7/18

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 281.268+/-108.317 χ^2/NDF: 18.5/24

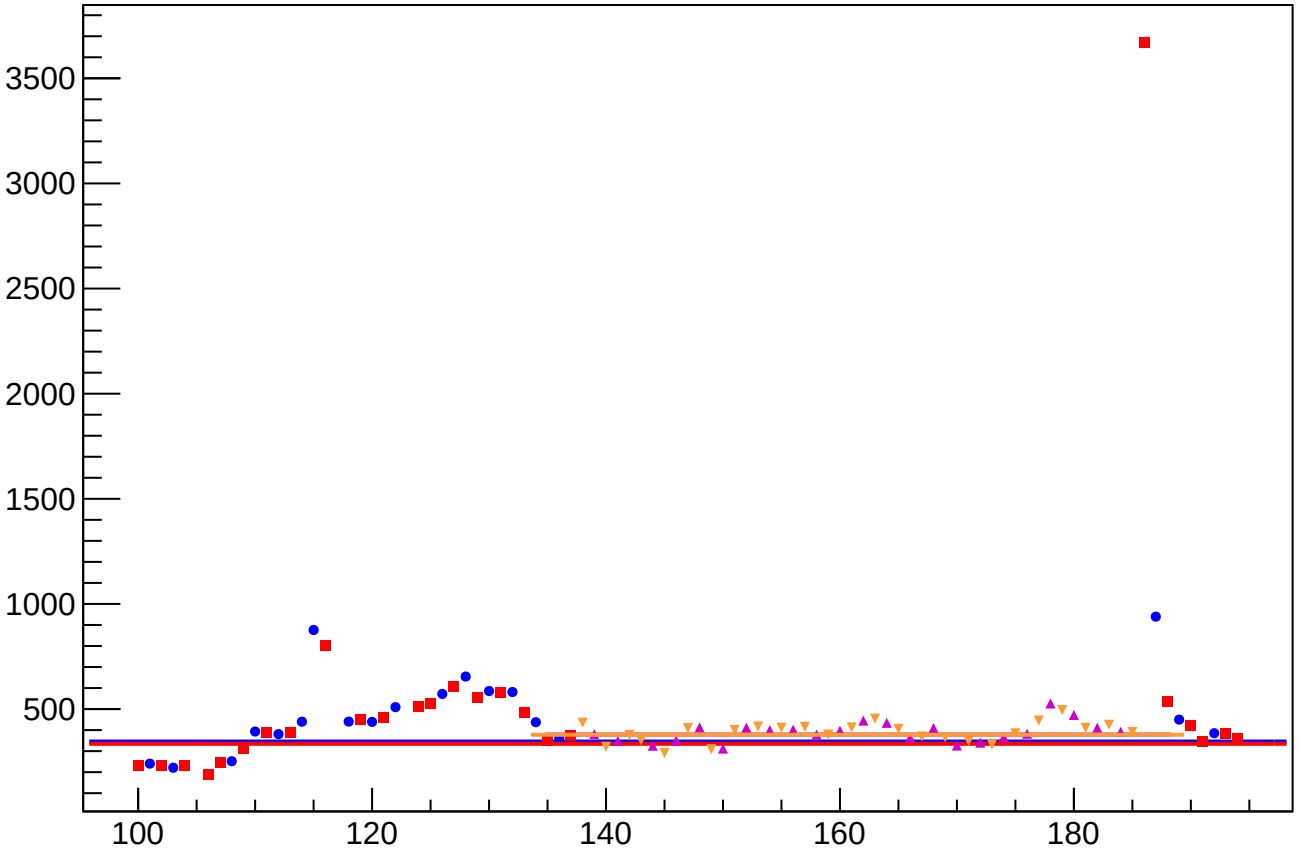
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 209.075+/-70.985 χ^2/NDF: 51.1/43

All: 178.482+/-49.460 χ^2/NDF: 98.3/91

- sign 149.615+/-68.954 χ^2/NDF: 46.8/47

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: 334.818+/-0.077 χ^2/NDF: 2946753.5/24

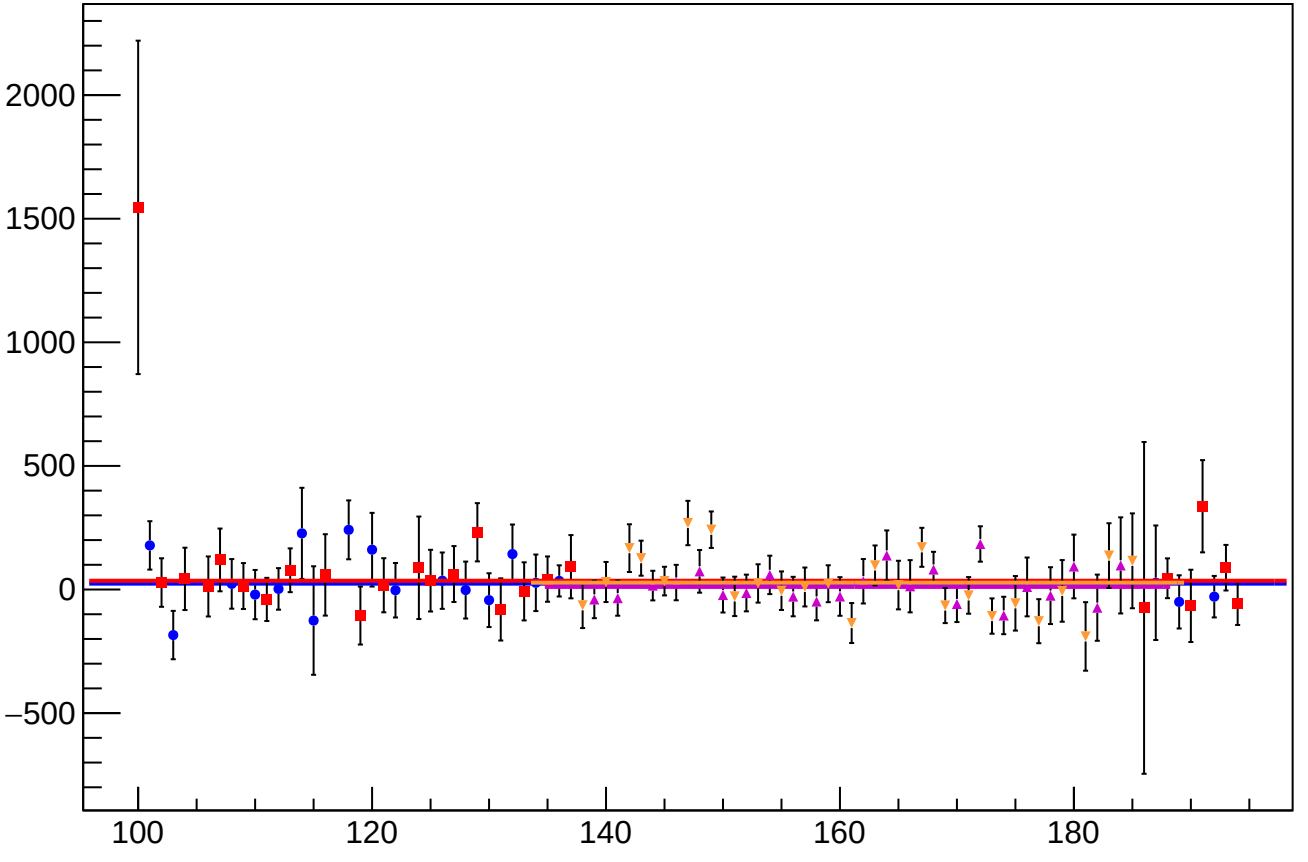
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 367.138+/-0.050 χ^2/NDF: 2693107.6/43

All: 363.989+/-0.035 χ^2/NDF: 6371937.1/91

- sign 361.017+/-0.049 χ^2/NDF: 3671179.0/47

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: 35.471+/-22.955 χ^2/NDF: 16.6/24

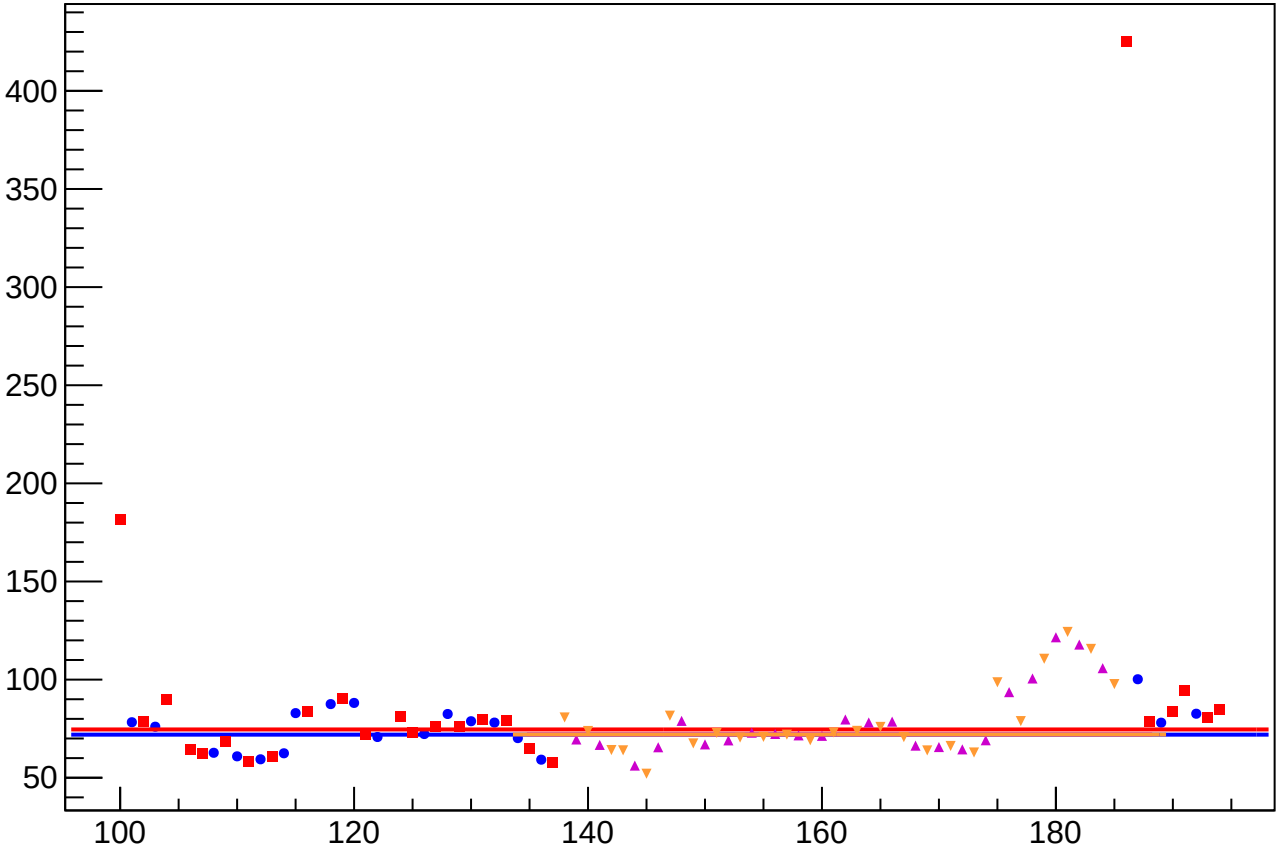
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 26.394+/-13.804 χ^2/NDF: 57.9/43

All: 22.945+/-9.752 χ^2/NDF: 91.5/91

- sign 19.509+/-13.777 χ^2/NDF: 33.4/47

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

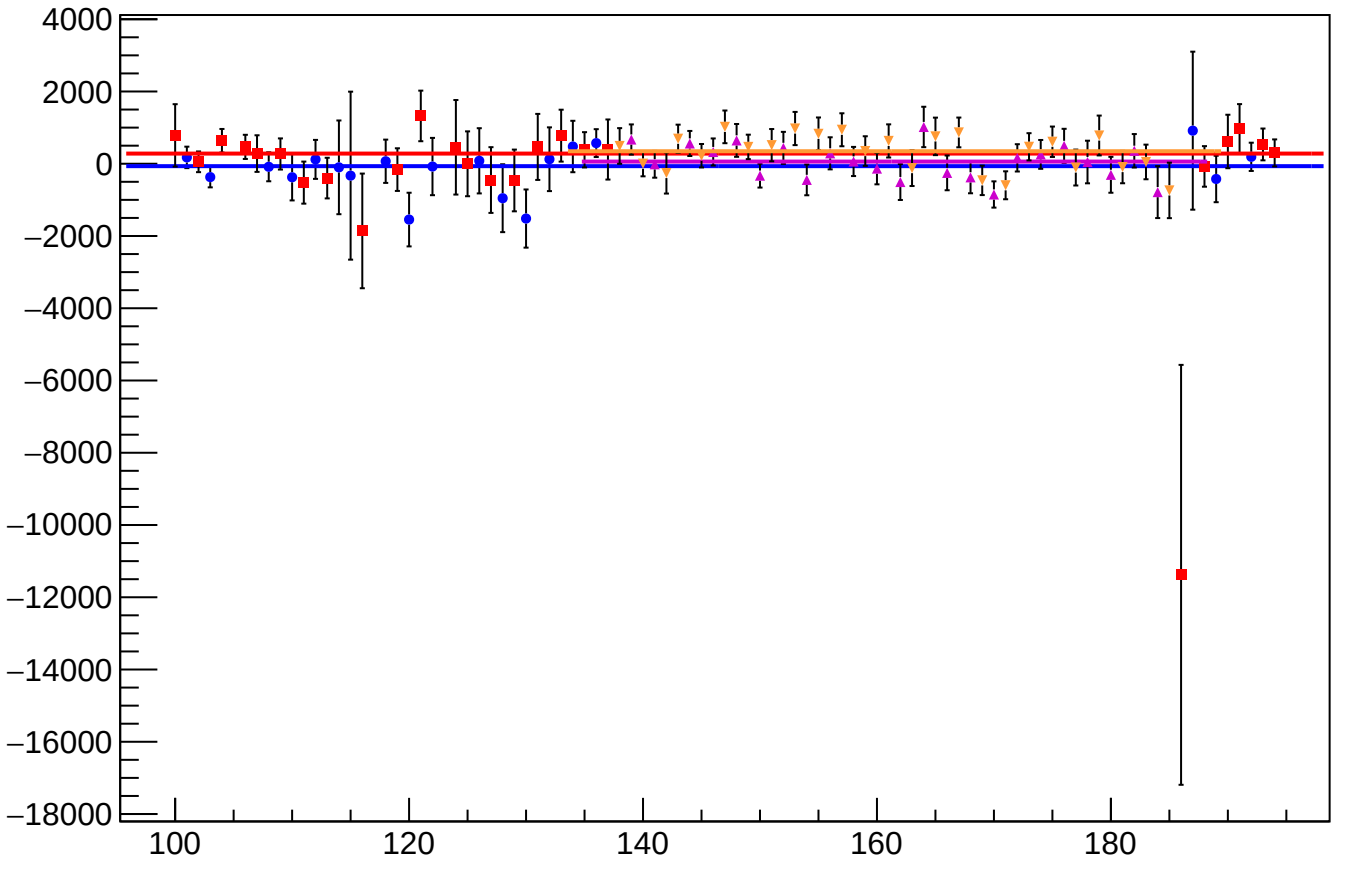
Right Out: 74.609+/-0.016 χ^2/NDF: 969989.2/24

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

\+ sign 72.014+/-0.010 χ^2/NDF: 1616354.0/43

All: 72.507+/-0.007 χ^2/NDF: 3665669.8/91

\- sign 72.999+/-0.010 χ^2/NDF: 2044218.9/47



Right In: -66.936+/-123.281 χ^2/NDF: 14.7/18

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

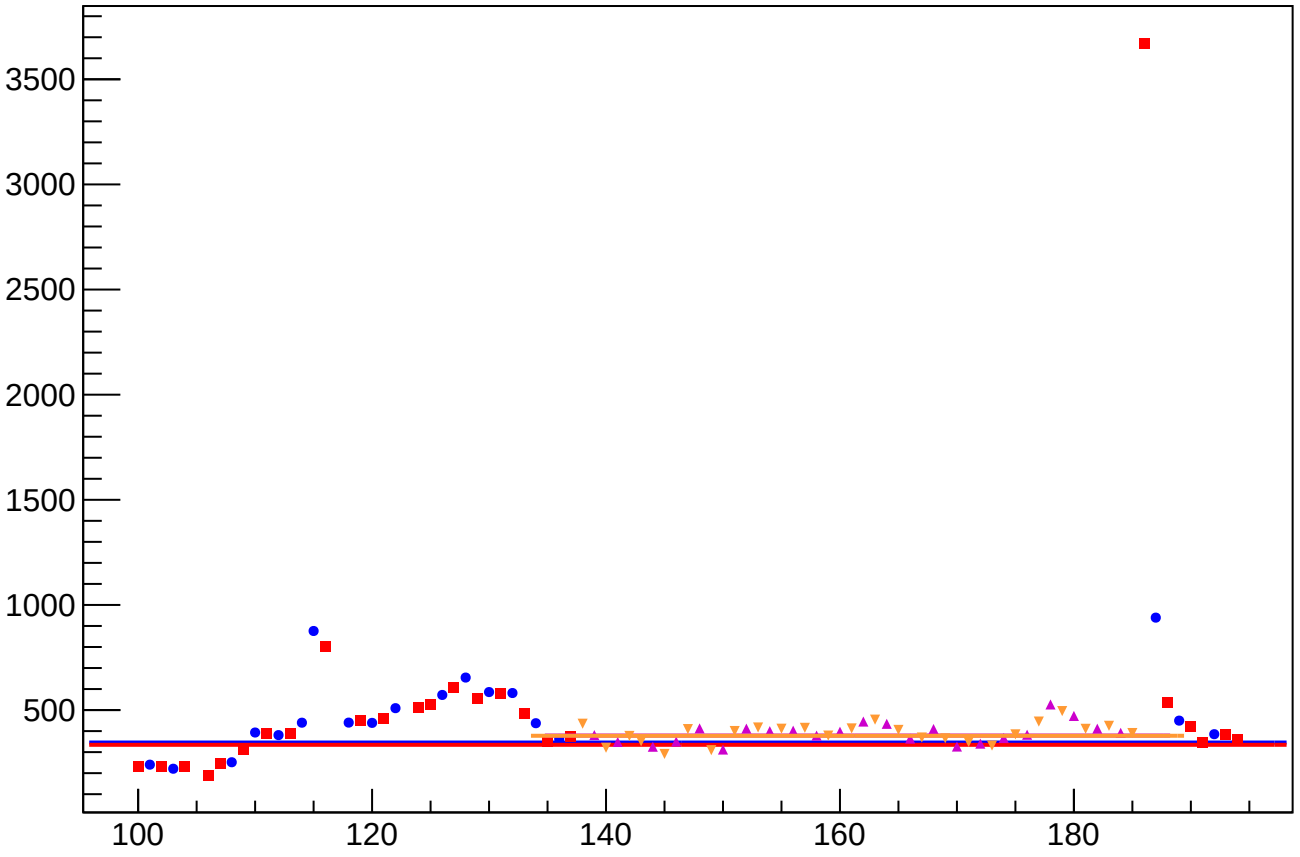
Right Out: 281.267+/-108.317 χ^2/NDF: 18.5/24

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 209.074+/-70.985 χ^2/NDF: 51.1/43

All: 178.481+/-49.460 χ^2/NDF: 98.3/91

- sign 149.614+/-68.954 χ^2/NDF: 46.8/47



Right In: 345.648+/-0.087 χ^2/NDF: 1965471.7/18

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 334.817+/-0.077 χ^2/NDF: 2946742.6/24

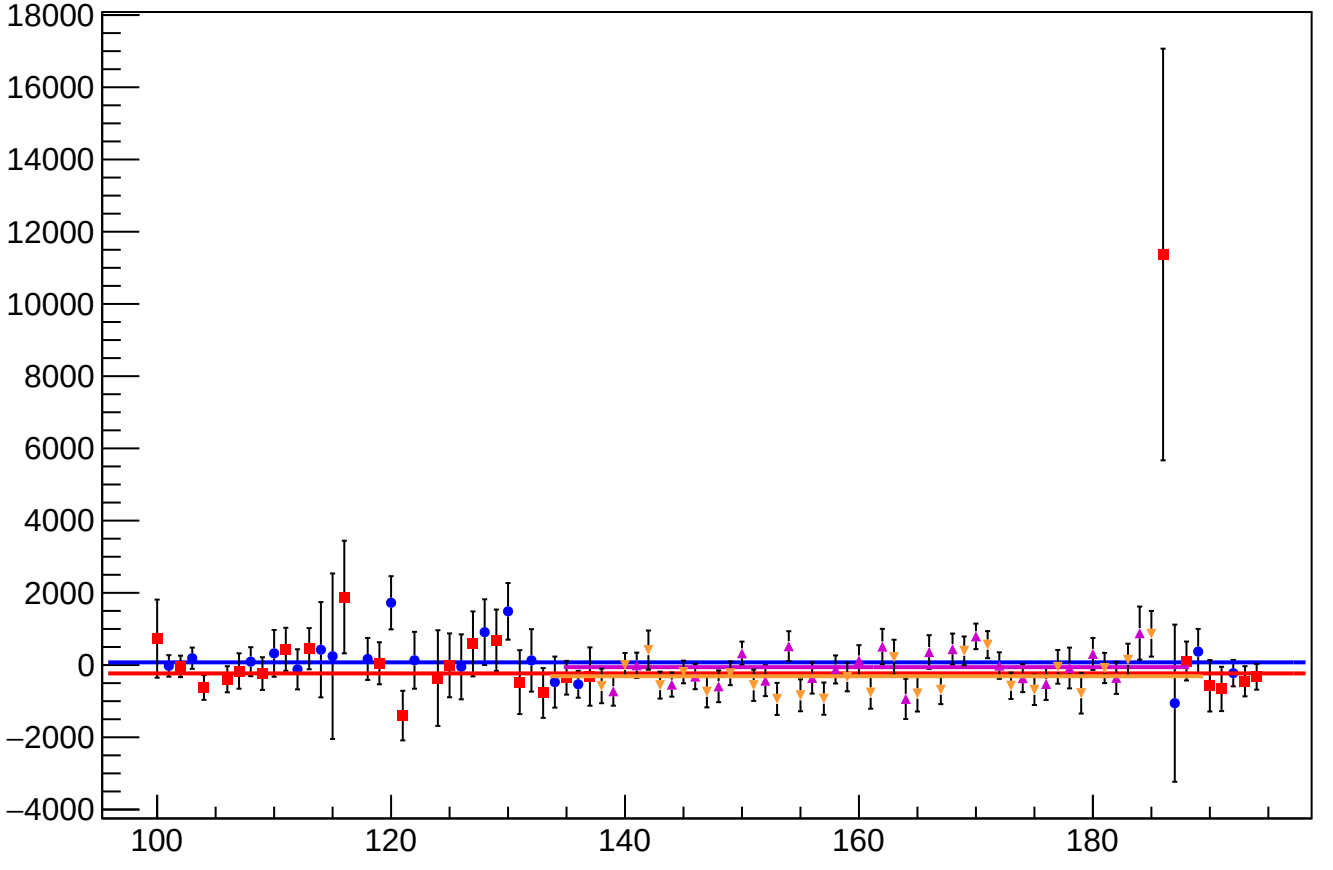
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 367.138+/-0.050 χ^2/NDF: 2693100.4/43

All: 363.988+/-0.035 χ^2/NDF: 6371914.3/91

- sign 361.017+/-0.049 χ^2/NDF: 3671163.3/47

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: -231.119+/-108.715 χ^2/NDF: 18.8/24

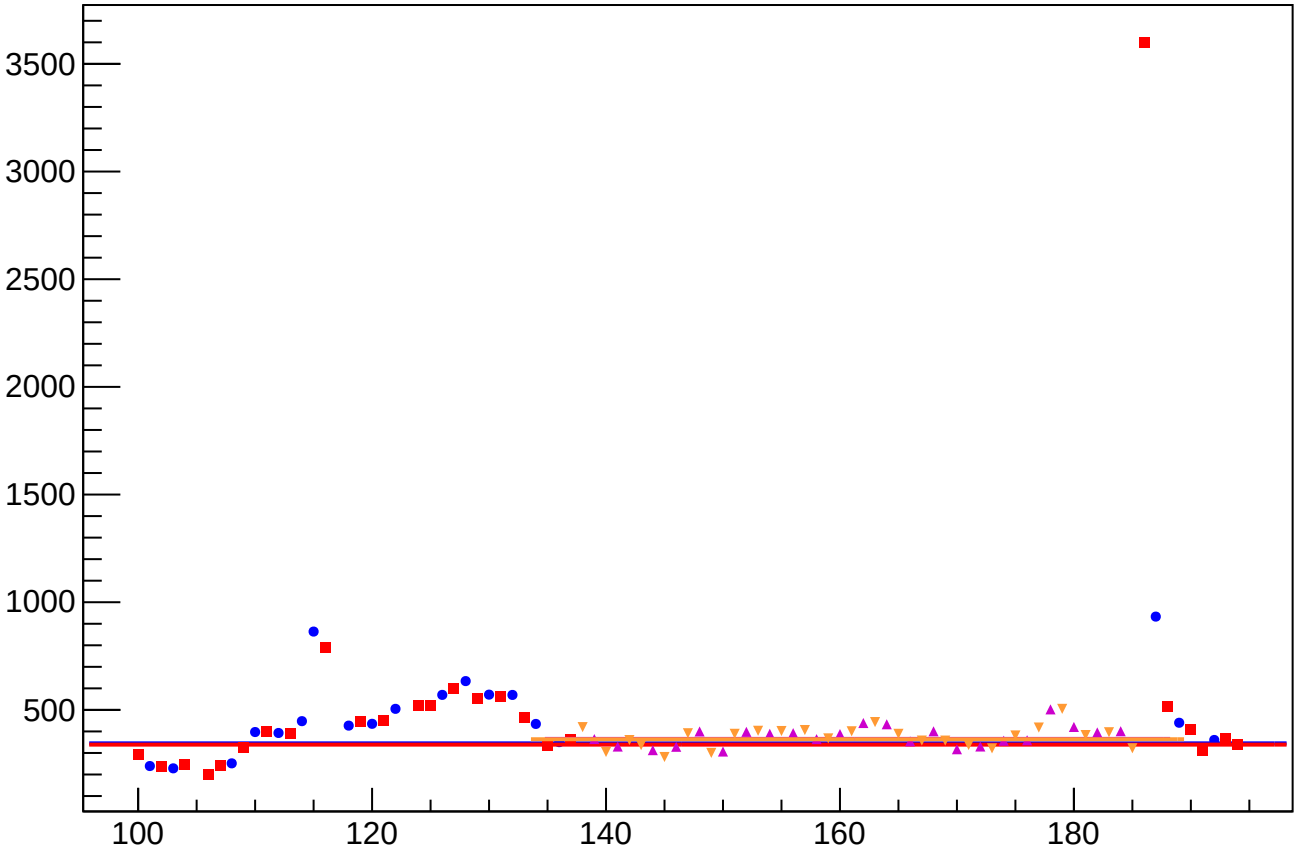
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -186.883+/-69.103 χ^2/NDF: 50.9/43

All: -155.020+/-48.307 χ^2/NDF: 99.7/91

- sign -124.569+/-67.556 χ^2/NDF: 48.4/47

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

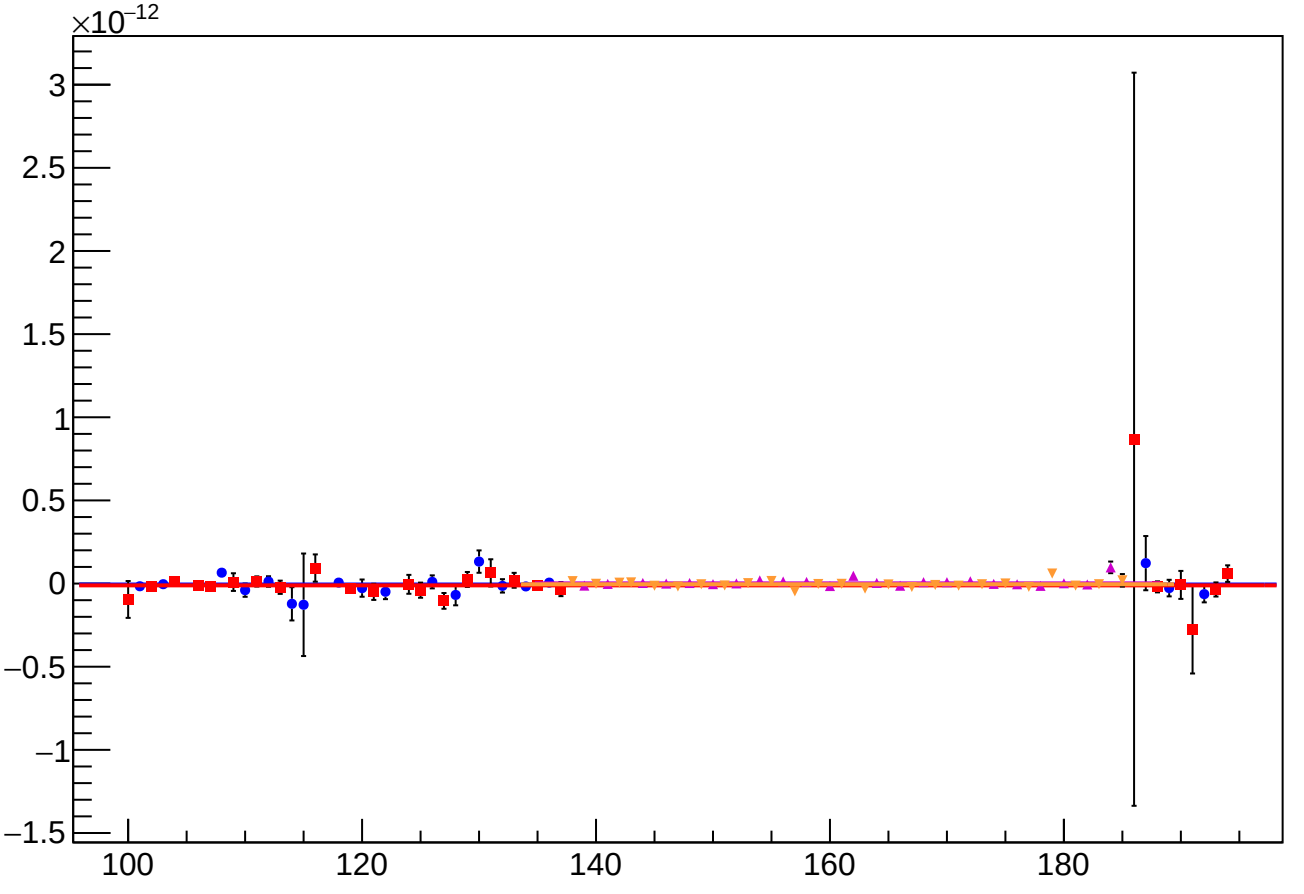
Right Out: 338.758+/-0.077 χ^2/NDF: 2590889.2/24

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 357.646+/-0.049 χ^2/NDF: 2525891.4/43

All: 356.326+/-0.034 χ^2/NDF: 5701012.9/91

- sign 355.066+/-0.048 χ^2/NDF: 3173696.0/47



Right In: -0.000+/-0.000 χ^2/NDF: 18.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/24

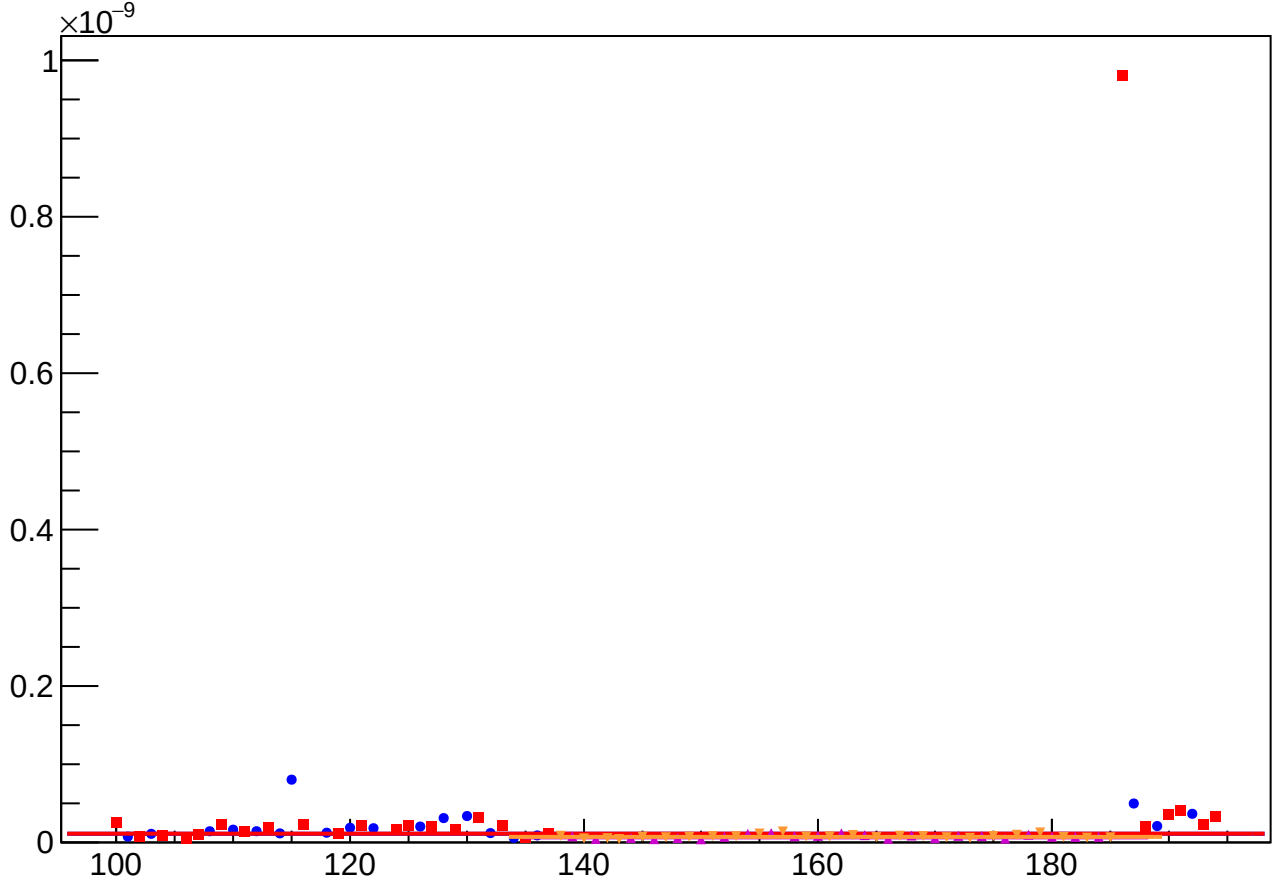
Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.6/43

All: -0.000+/-0.000 χ^2/NDF: 82.8/91

- sign -0.000+/-0.000 χ^2/NDF: 40.9/47

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: 2795394.6/24

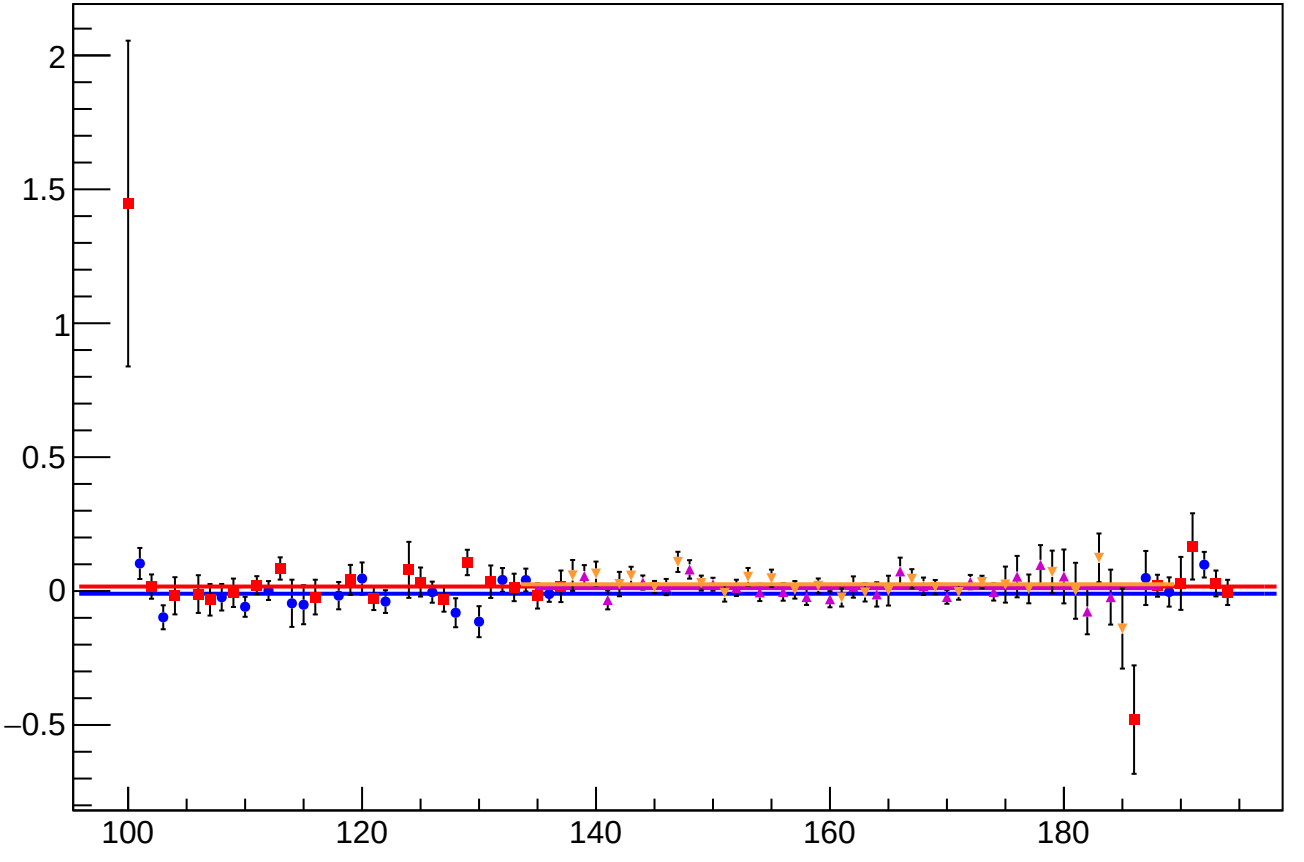
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3470981.6/43

All: 0.000+/-0.000 χ^2/NDF: 8531541.9/91

- sign 0.000+/-0.000 χ^2/NDF: 5014373.4/47

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: 0.017+/-0.011 χ^2/NDF: 24.6/24

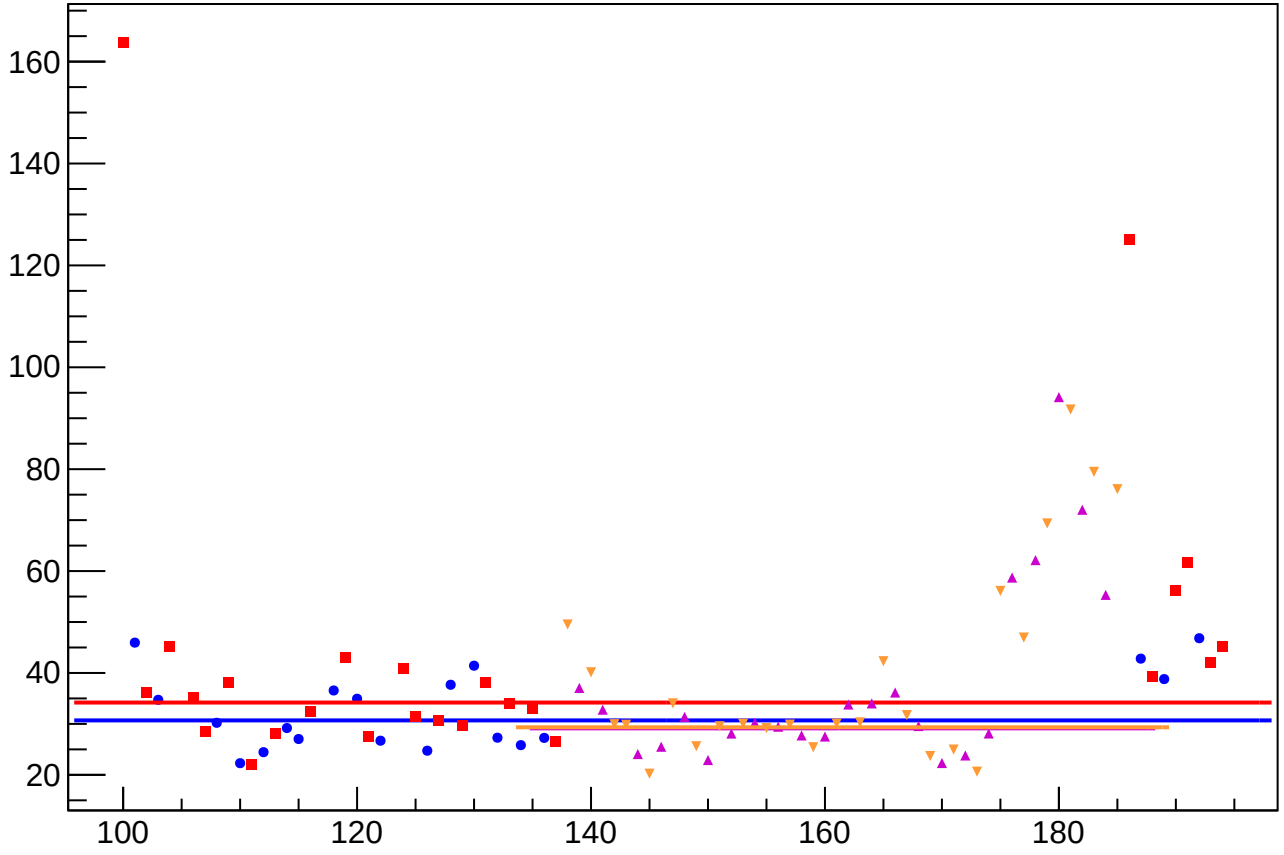
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.014+/-0.006 χ^2/NDF: 49.6/43

All: 0.014+/-0.004 χ^2/NDF: 93.4/91

- sign 0.013+/-0.006 χ^2/NDF: 43.8/47

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

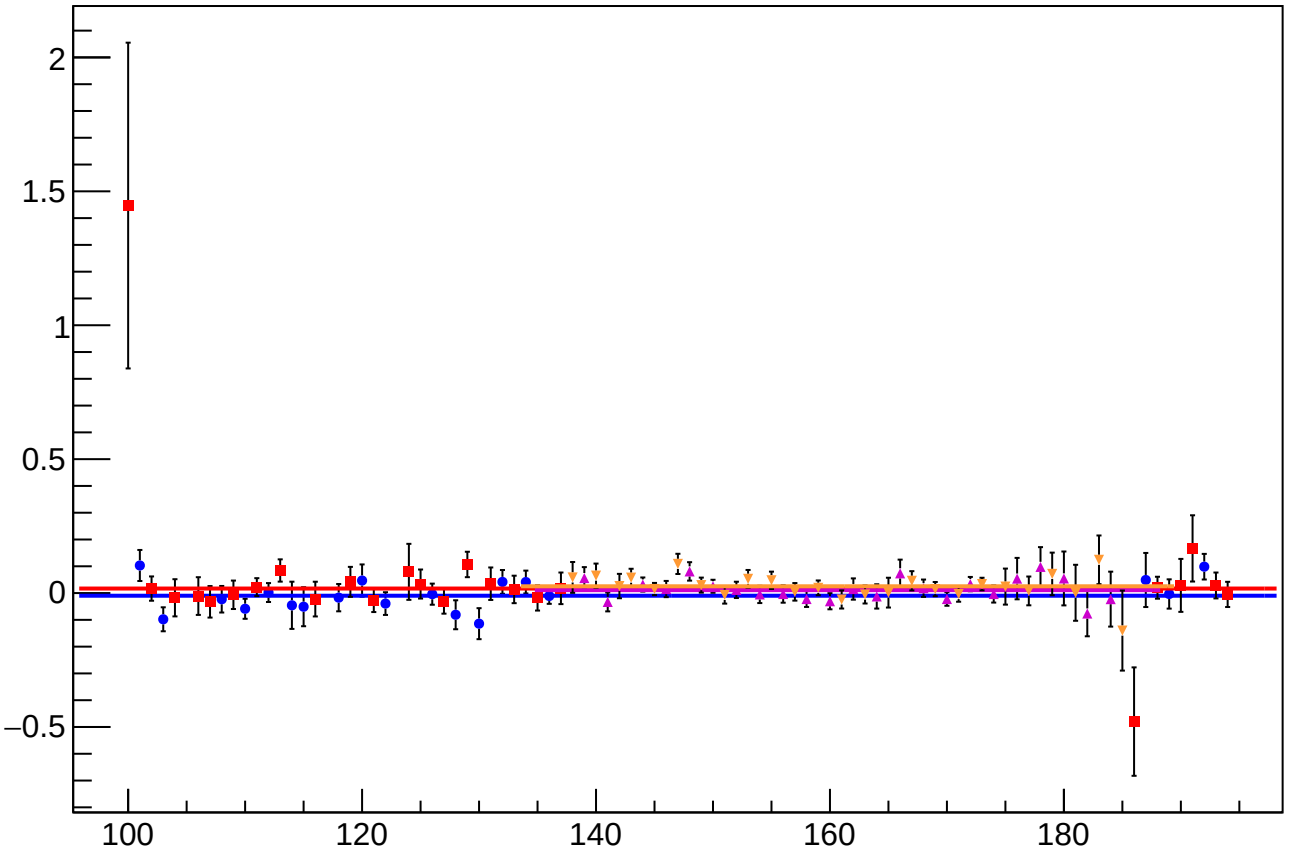
Right Out: 34.192+/-0.008 χ^2/NDF: 1455630.5/24

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.752+/-0.004 χ^2/NDF: 4788585.7/43

All: 30.221+/-0.003 χ^2/NDF: 9408911.8/91

- sign 30.703+/-0.004 χ^2/NDF: 4595280.3/47



Right In: -0.010+/-0.011 χ^2/NDF: 24.7/18

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

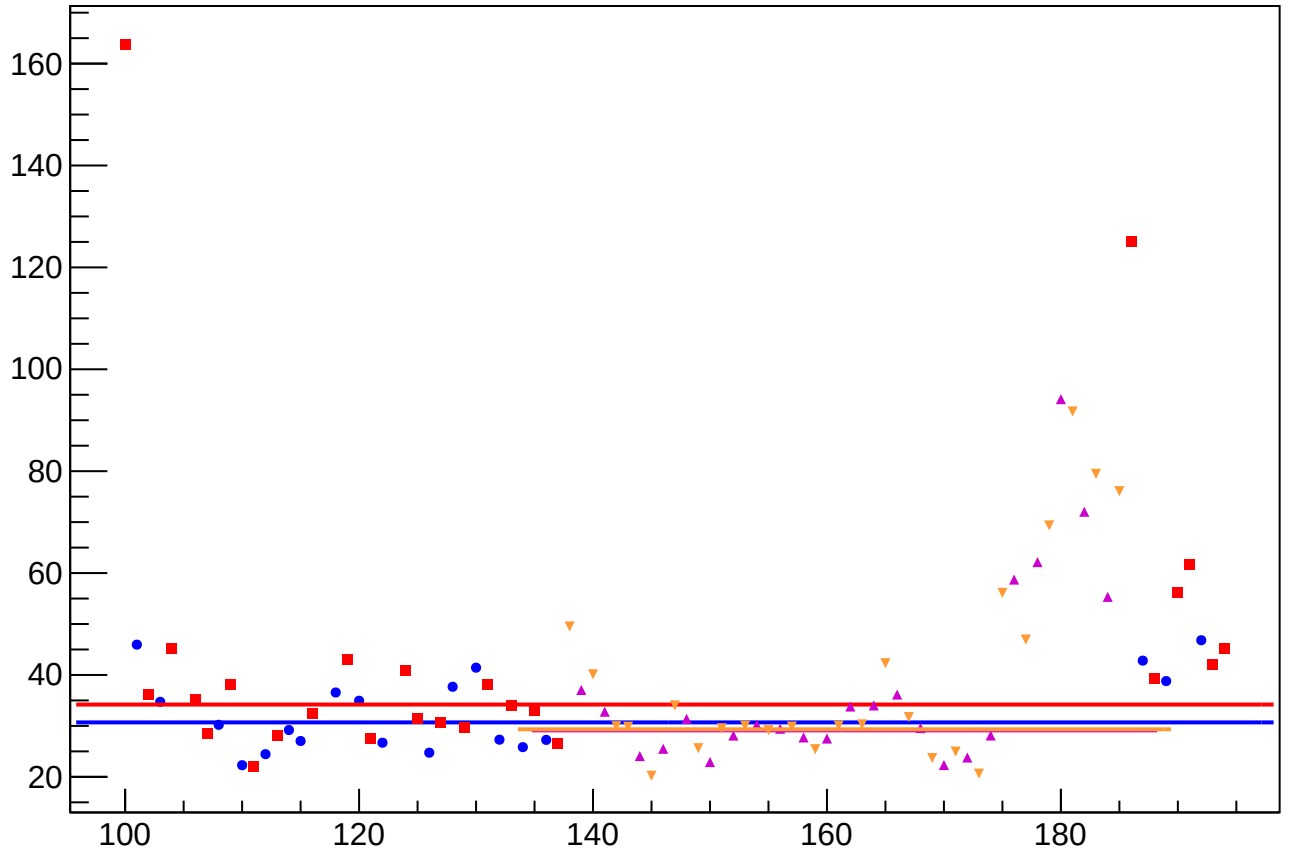
Right Out: 0.017+/-0.011 χ^2/NDF: 24.6/24

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.014+/-0.006 χ^2/NDF: 49.6/43

All: 0.014+/-0.004 χ^2/NDF: 93.4/91

- sign 0.013+/-0.006 χ^2/NDF: 43.8/47



Right In: 30.688+/-0.008 χ^2/NDF: 891904.5/18

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

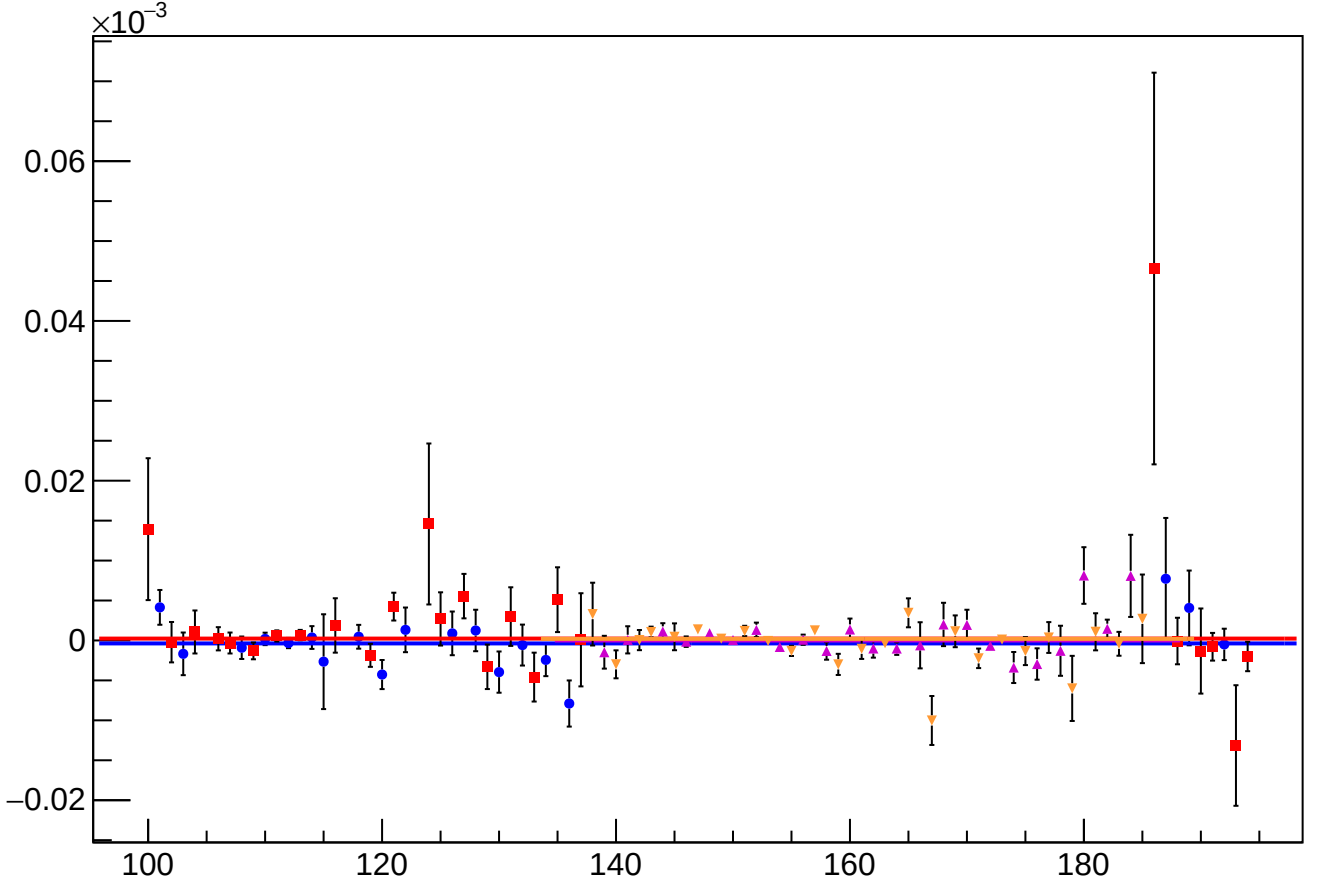
Right Out: 34.192+/-0.008 χ^2/NDF: 1455630.5/24

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.752+/-0.004 χ^2/NDF: 4788585.7/43

All: 30.221+/-0.003 χ^2/NDF: 9408911.8/91

- sign 30.703+/-0.004 χ^2/NDF: 4595280.3/47



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

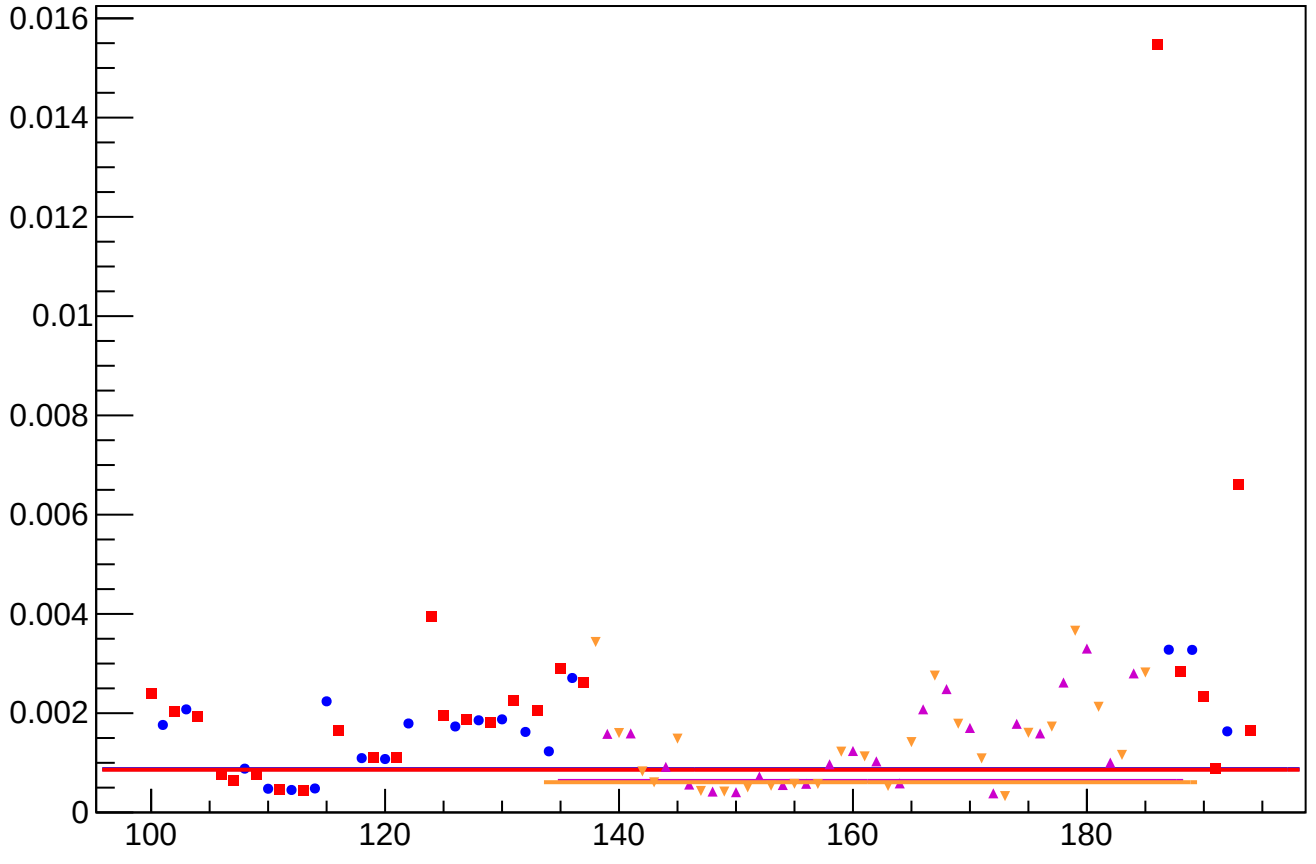
Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/24

Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.9/43

All: 0.000+/-0.000 χ^2/NDF: 145.4/91

- sign 0.000+/-0.000 χ^2/NDF: 67.4/47



Right In: 0.001+/-0.000 χ^2/NDF: 5509880.4/18

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

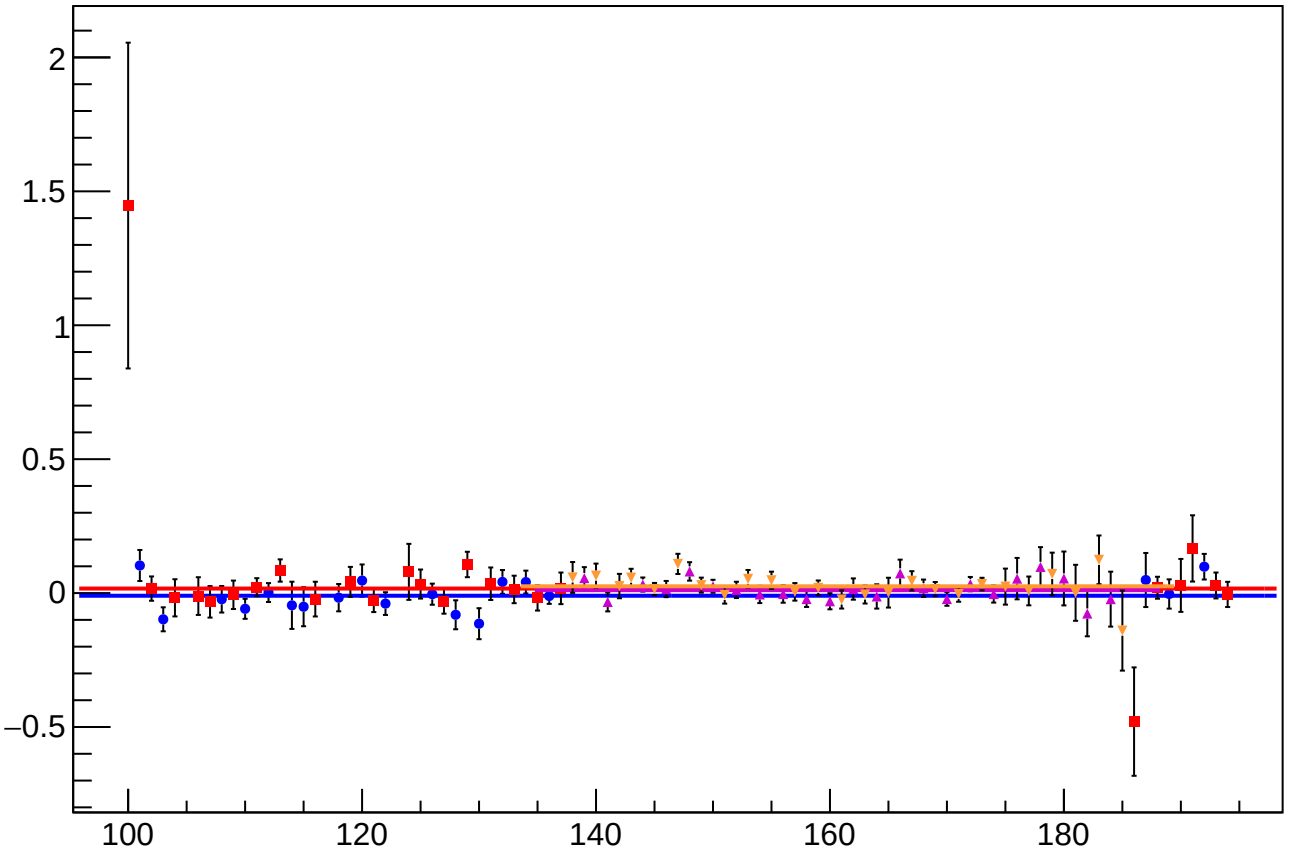
Right Out: 0.001+/-0.000 χ^2/NDF: 8065664.5/24

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 17340916.9/43

All: 0.001+/-0.000 χ^2/NDF: 35532603.2/91

- sign 0.001+/-0.000 χ^2/NDF: 18152584.6/47



Right In: -0.010+/-0.011 χ^2/NDF: 24.7/18

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

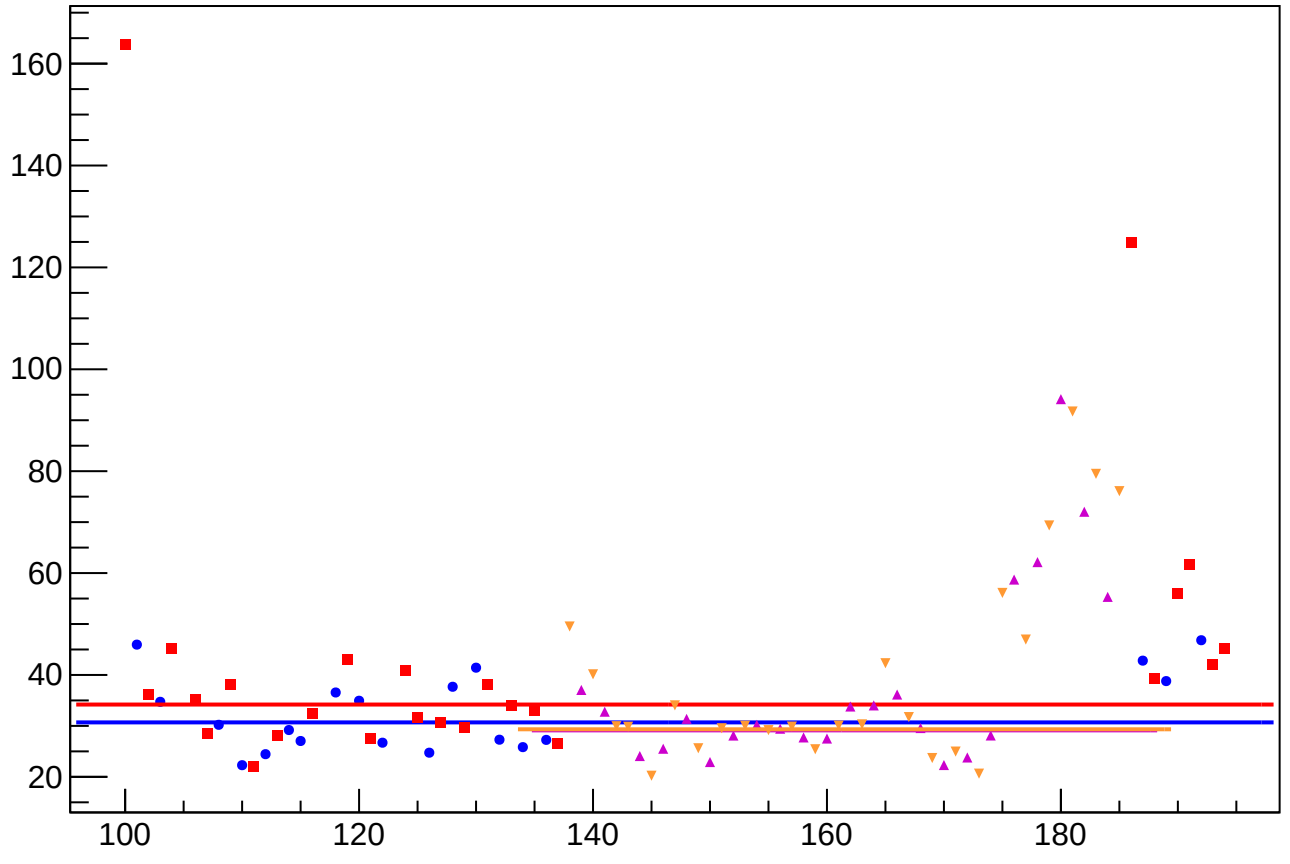
Right Out: 0.017+/-0.011 χ^2/NDF: 24.6/24

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.014+/-0.006 χ^2/NDF: 49.6/43

All: 0.014+/-0.004 χ^2/NDF: 93.4/91

- sign 0.013+/-0.006 χ^2/NDF: 43.8/47



Right In: 30.688+/-0.008 χ^2/NDF: 891847.0/18

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

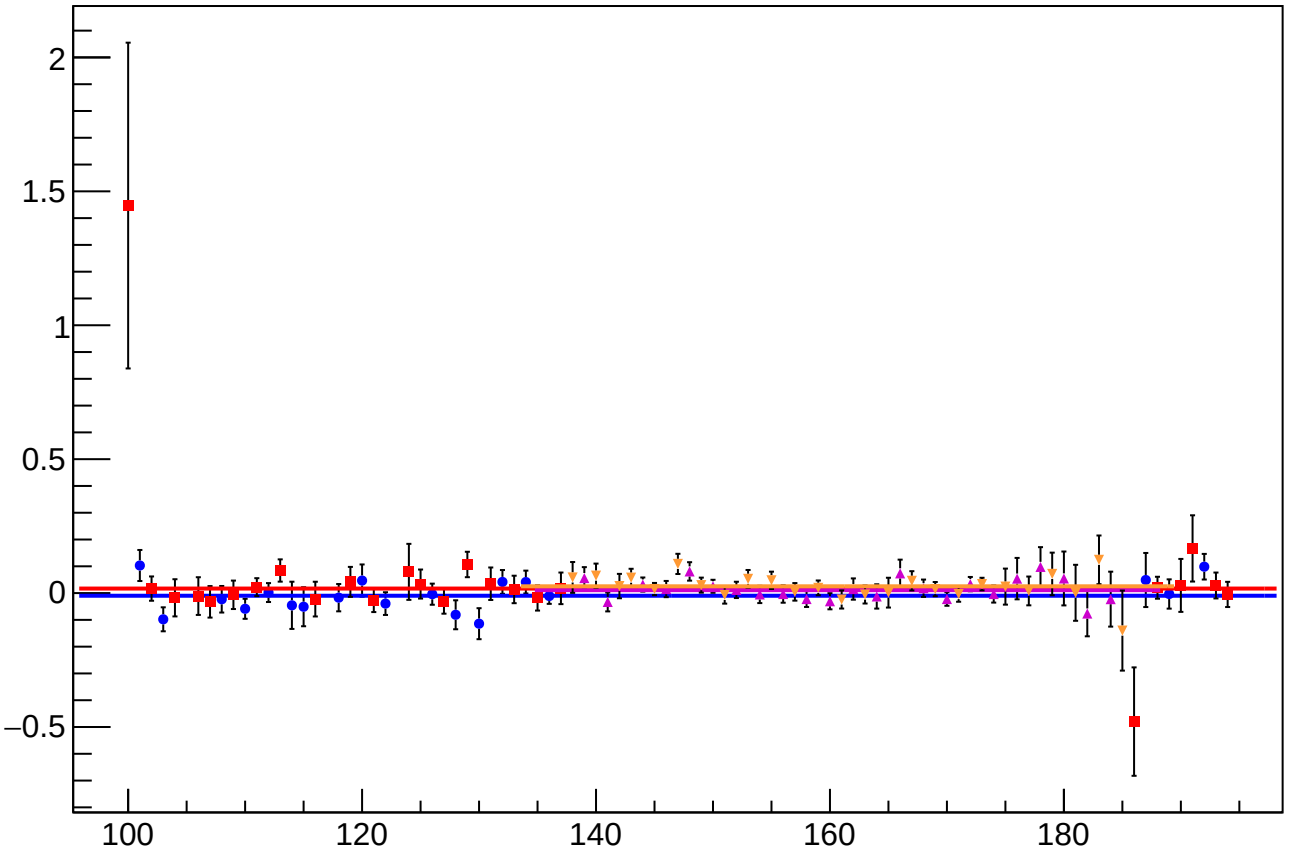
Right Out: 34.192+/-0.008 χ^2/NDF: 1455545.4/24

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.751+/-0.004 χ^2/NDF: 4788601.7/43

All: 30.221+/-0.003 χ^2/NDF: 9408845.3/91

- sign 30.703+/-0.004 χ^2/NDF: 4595195.6/47



Right In: -0.010+/-0.011 χ^2/NDF: 24.7/18

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

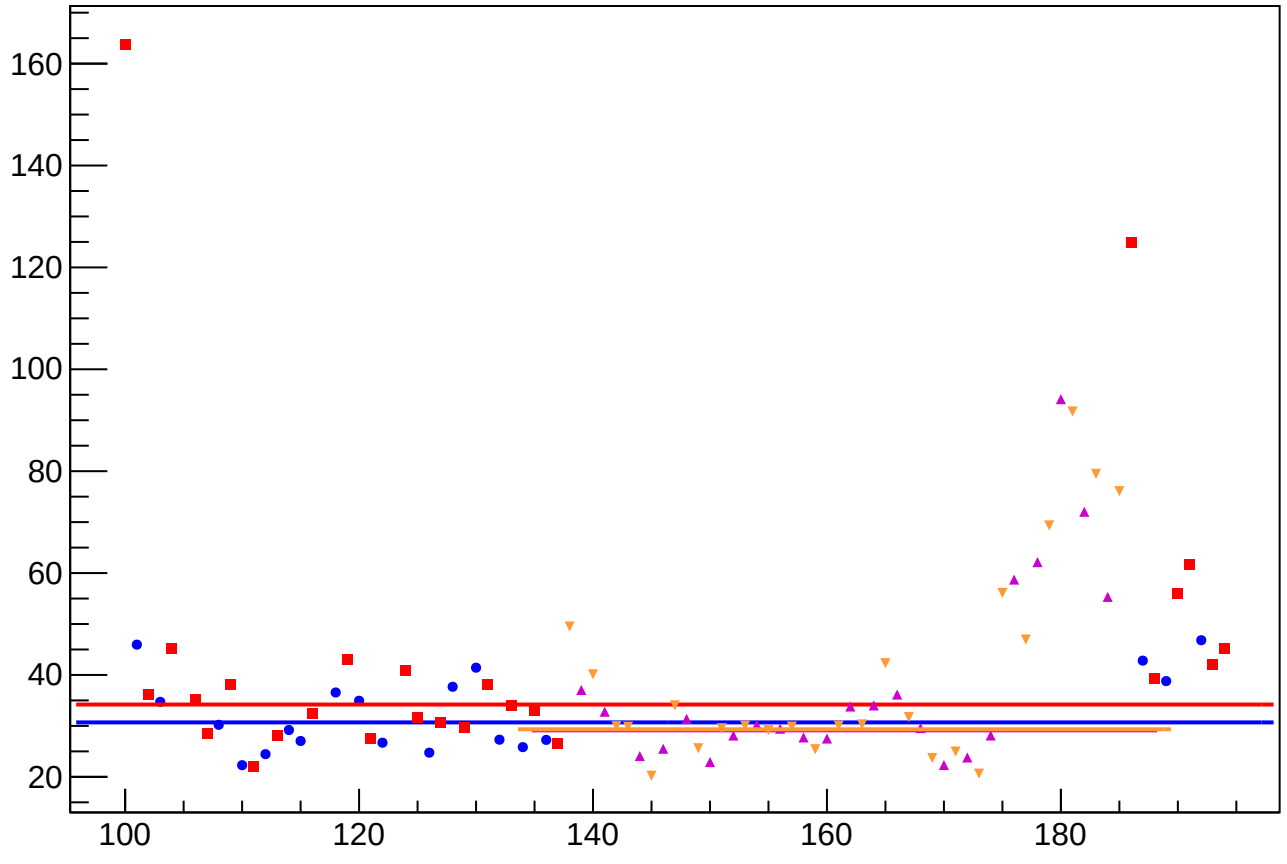
Right Out: 0.017+/-0.011 χ^2/NDF: 24.6/24

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.014+/-0.006 χ^2/NDF: 49.6/43

All: 0.014+/-0.004 χ^2/NDF: 93.4/91

- sign 0.013+/-0.006 χ^2/NDF: 43.8/47



Right In: 30.688+/-0.008 χ^2/NDF: 891847.0/18

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

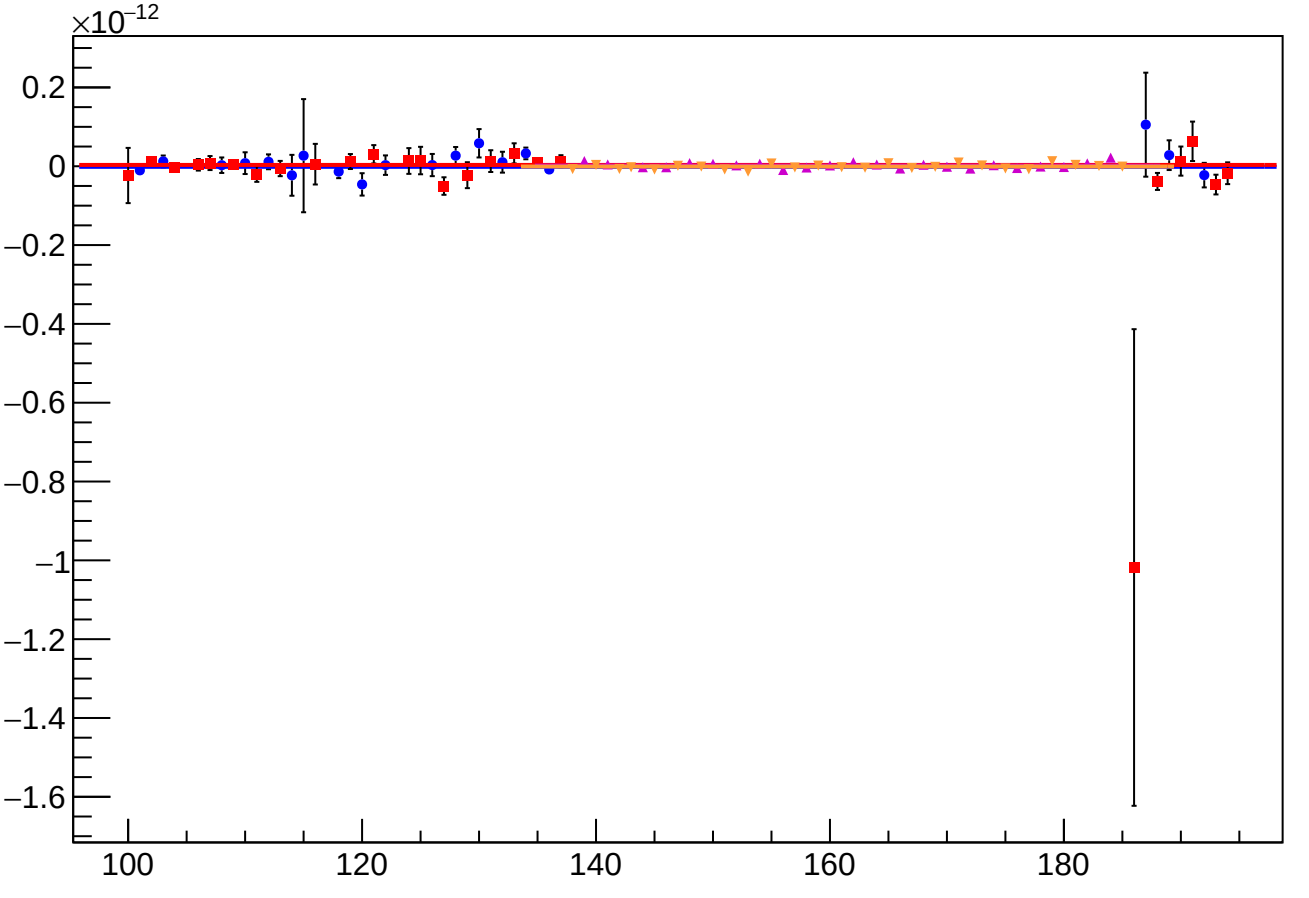
Right Out: 34.192+/-0.008 χ^2/NDF: 1455545.4/24

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.751+/-0.004 χ^2/NDF: 4788601.7/43

All: 30.221+/-0.003 χ^2/NDF: 9408845.3/91

- sign 30.703+/-0.004 χ^2/NDF: 4595195.6/47



Right In: -0.000+/-0.000 χ^2/NDF: 18.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

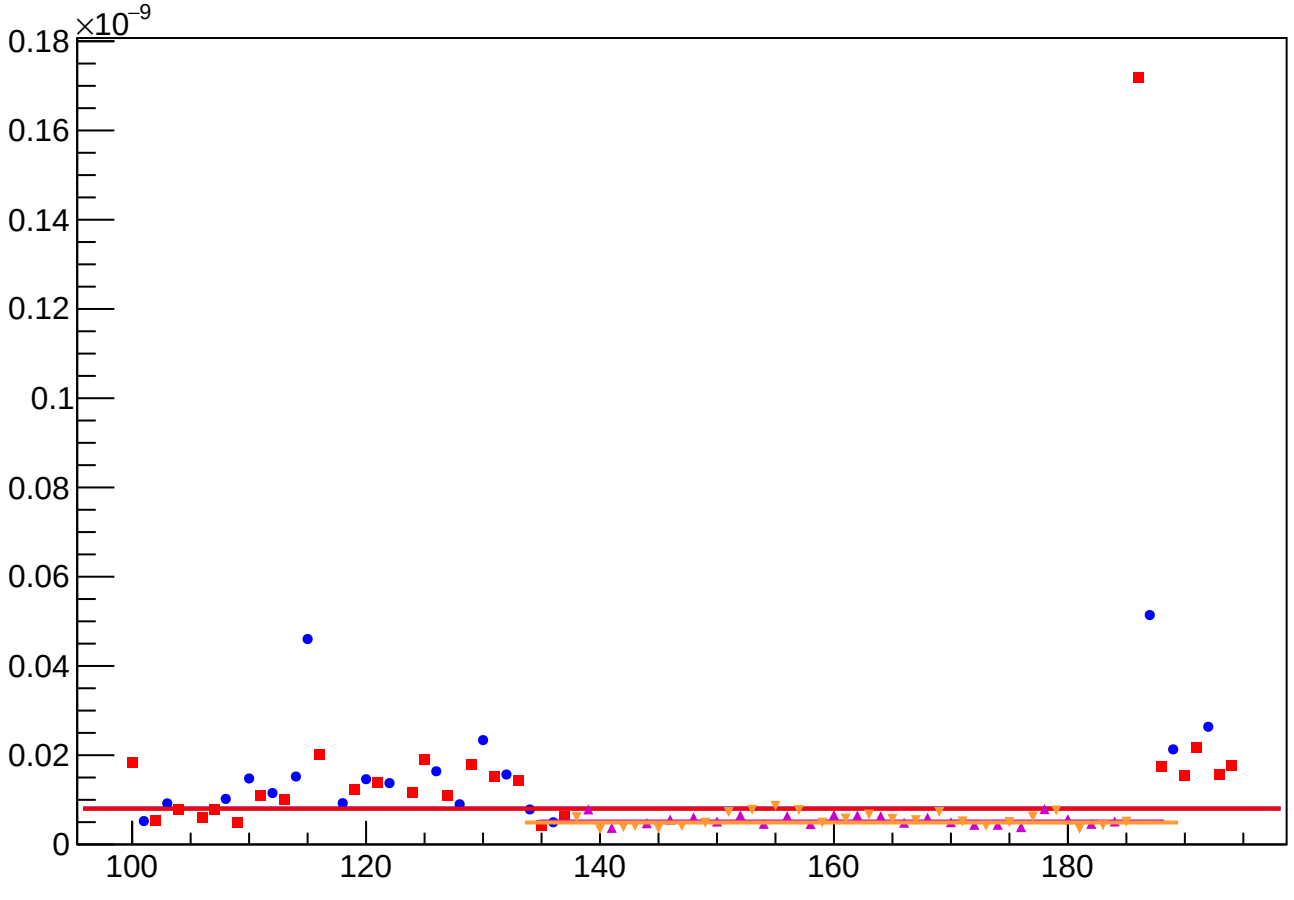
Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/24

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.8/43

All: 0.000+/-0.000 χ^2/NDF: 78.8/91

- sign 0.000+/-0.000 χ^2/NDF: 43.1/47



Right In: 0.000+/-0.000 χ^2/NDF: 3202513.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3270897.4/24

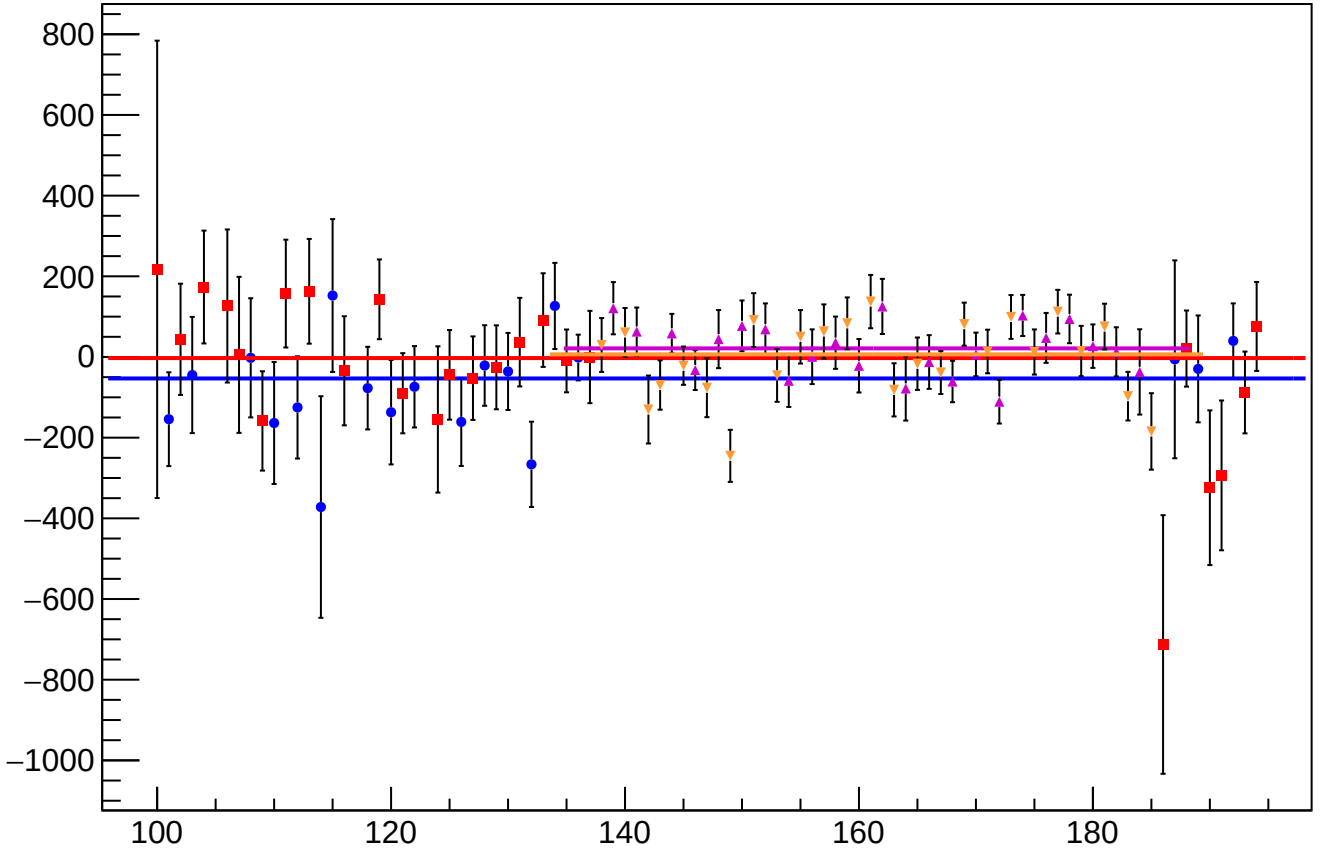
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6296630.6/43

All: 0.000+/-0.000 χ^2/NDF: 11721867.7/91

- sign 0.000+/-0.000 χ^2/NDF: 5382243.5/47

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: -2.684+/-24.585 χ^2/NDF: 23.3/24

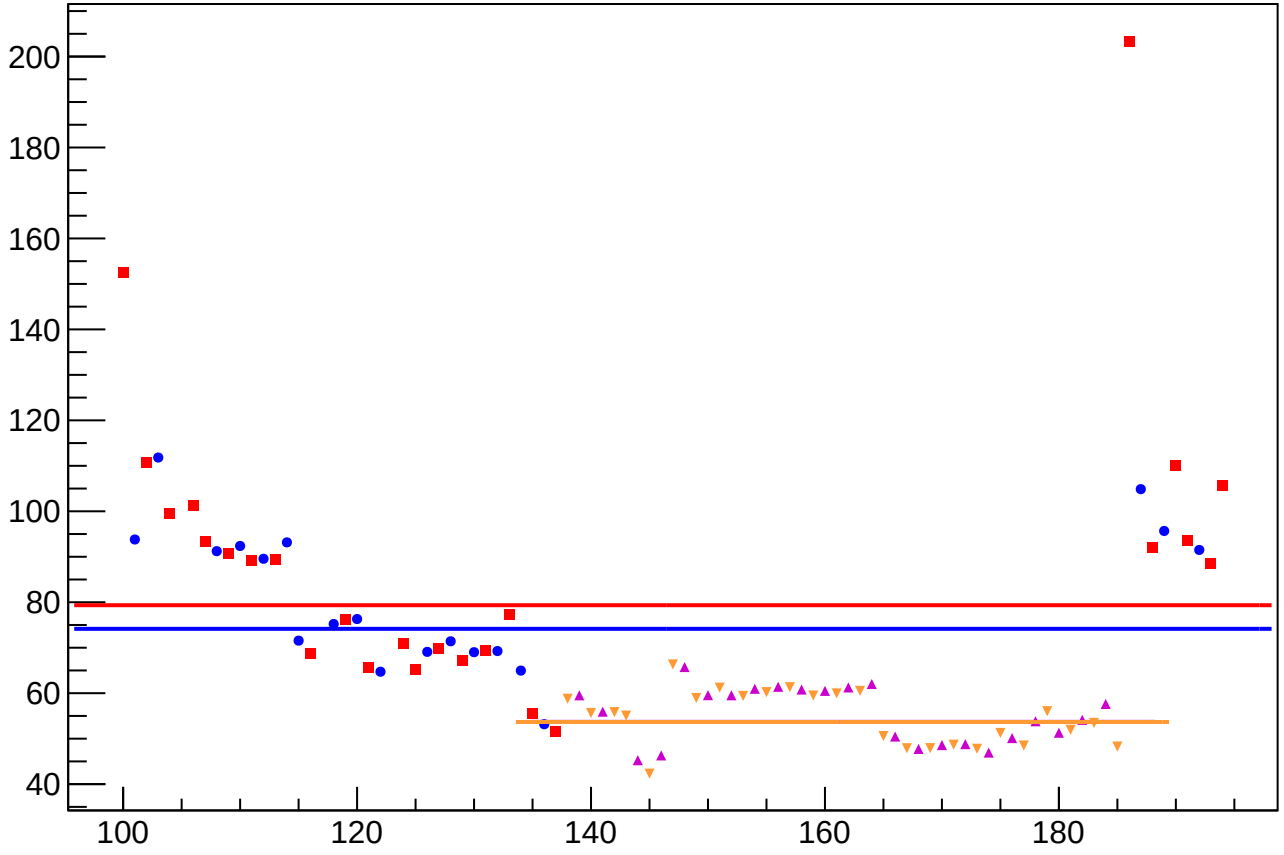
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -4.749+/-11.068 χ^2/NDF: 69.7/43

All: 5.610+/-7.889 χ^2/NDF: 121.0/91

- sign 16.308+/-11.248 χ^2/NDF: 49.5/47

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

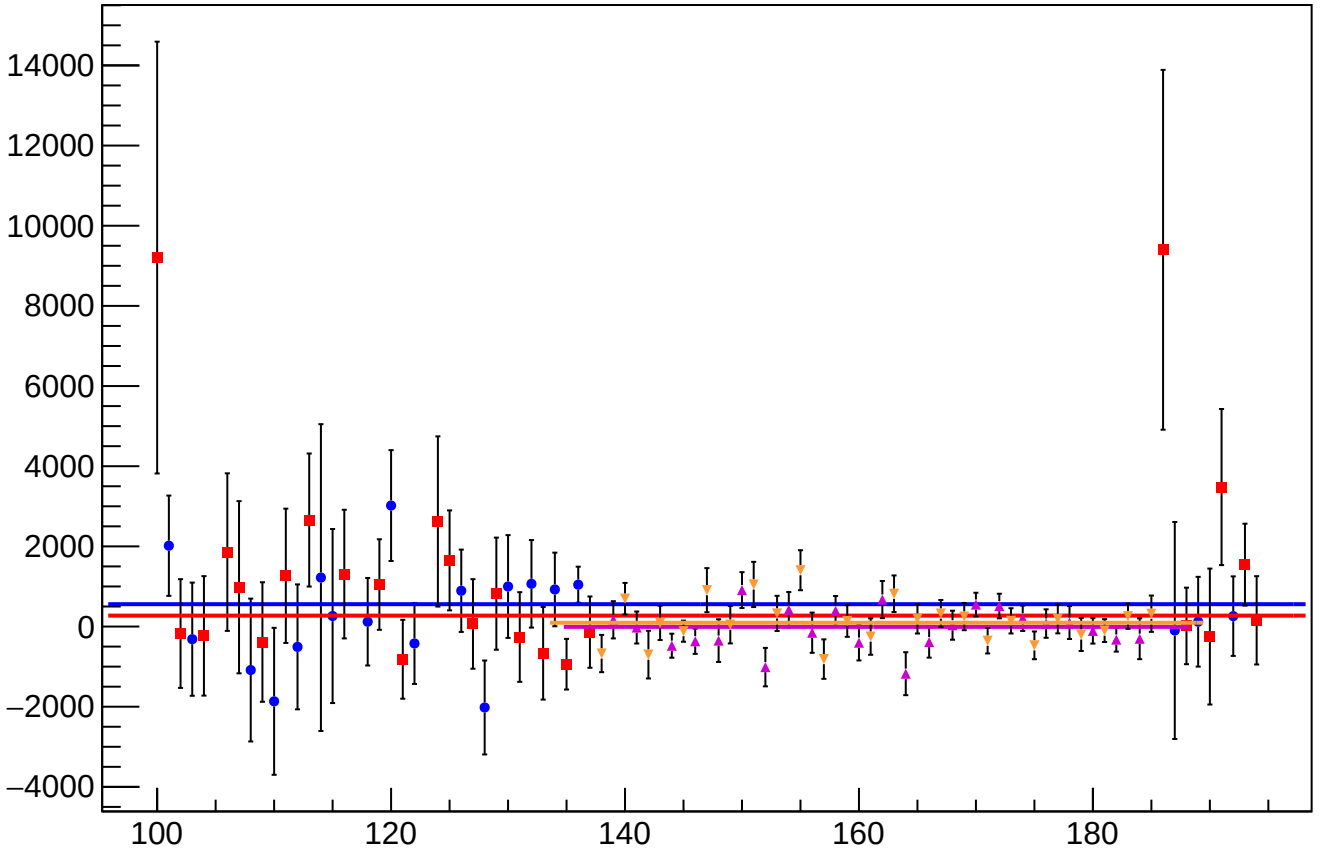
Right Out: 79.347+/-0.017 χ^2/NDF: 1241881.6/24

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.530+/-0.008 χ^2/NDF: 2286411.6/43

All: 58.284+/-0.006 χ^2/NDF: 5740192.6/91

- sign 59.064+/-0.008 χ^2/NDF: 3434879.4/47



Right In: 557.790+/-250.019 χ^2/NDF: 16.0/18

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

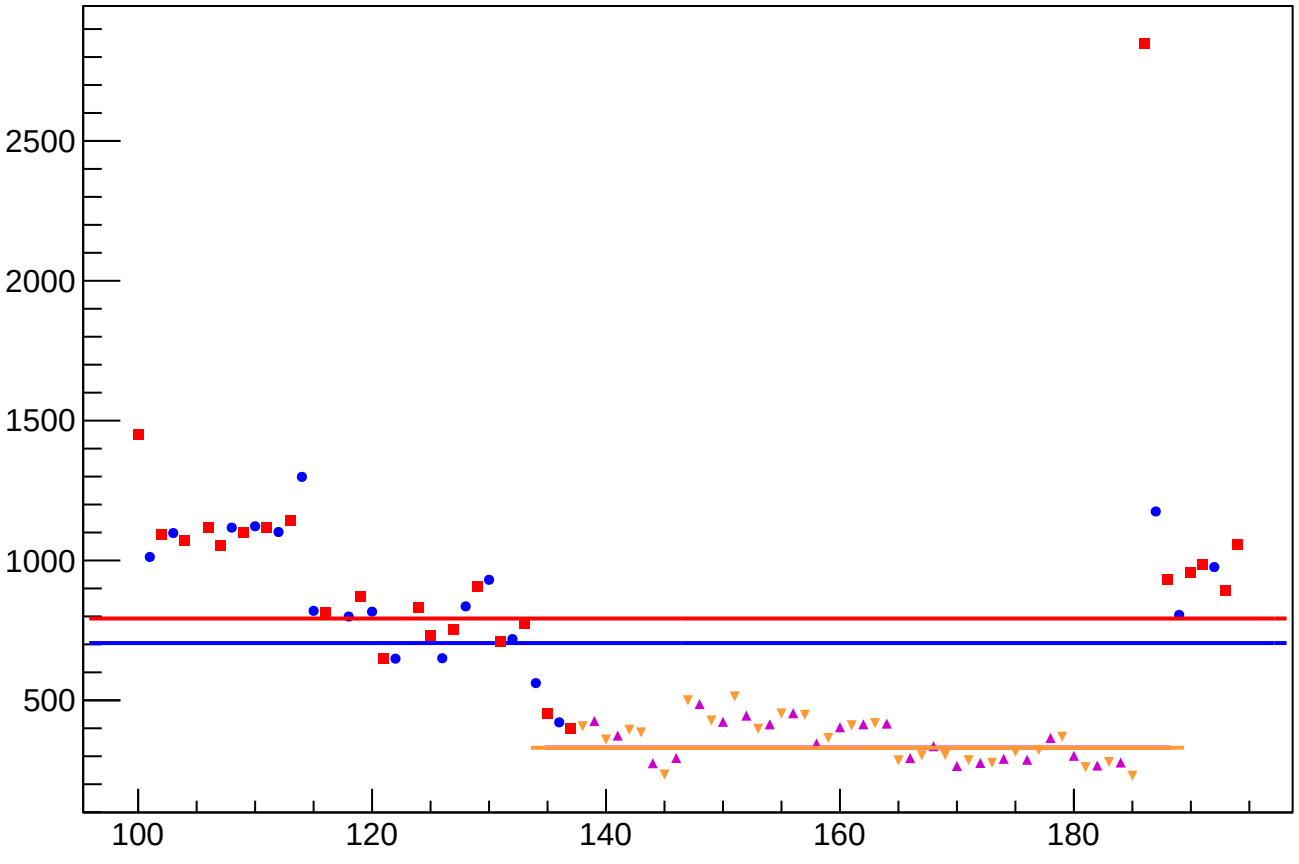
Right Out: 272.826+/-250.687 χ^2/NDF: 24.4/24

Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

\+ sign 135.637+/-73.706 χ^2/NDF: 52.3/43

All: 77.980+/-52.726 χ^2/NDF: 111.5/91

\- sign 17.553+/-75.456 χ^2/NDF: 57.9/47



Right In: 704.743+/-0.177 χ^2/NDF: 1869148.4/18

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 792.451+/-0.177 χ^2/NDF: 2226596.7/24

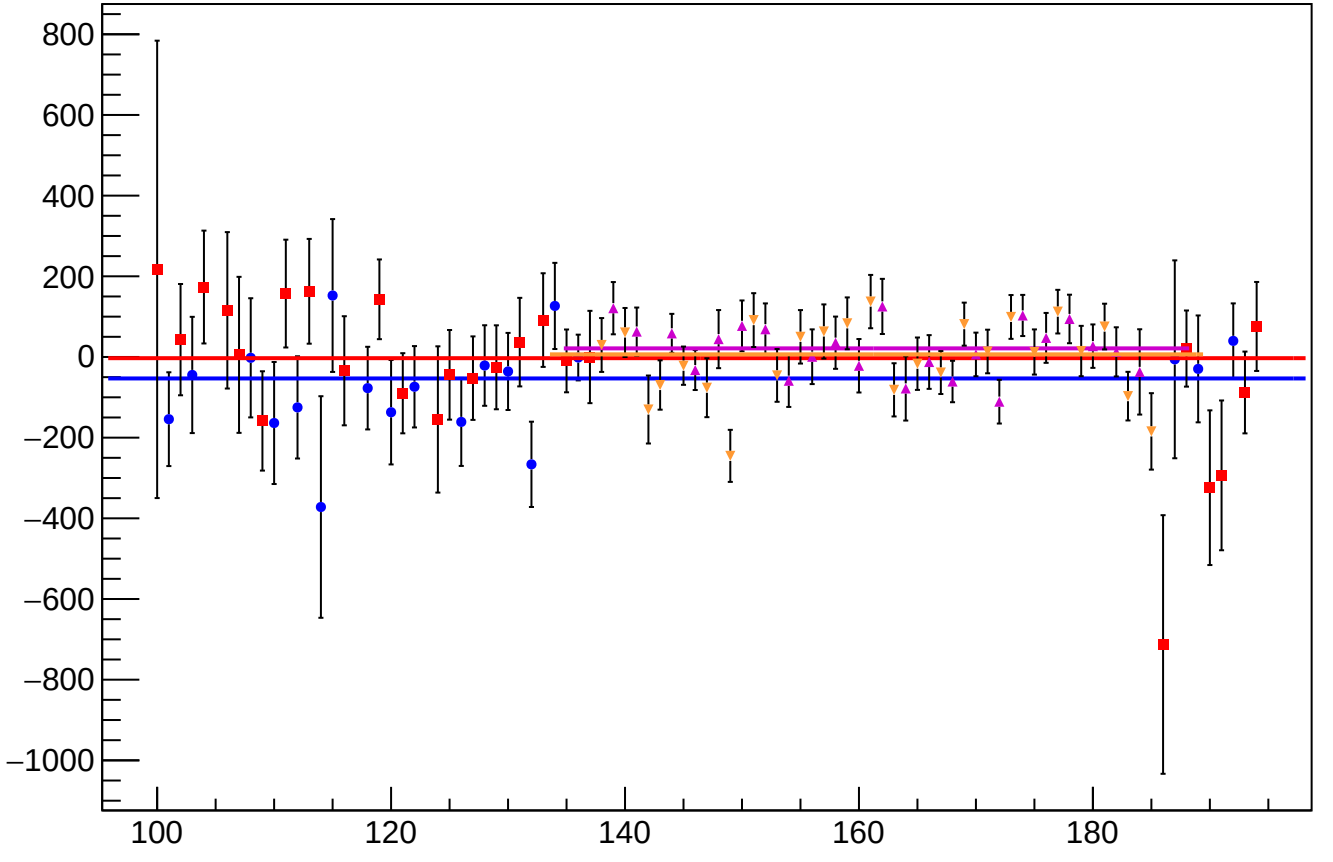
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 362.938+/-0.052 χ^2/NDF: 7715410.2/43

All: 367.783+/-0.037 χ^2/NDF: 17446459.6/91

- sign 372.860+/-0.053 χ^2/NDF: 9713353.8/47

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: -2.978+/-24.595 χ^2/NDF: 23.2/24

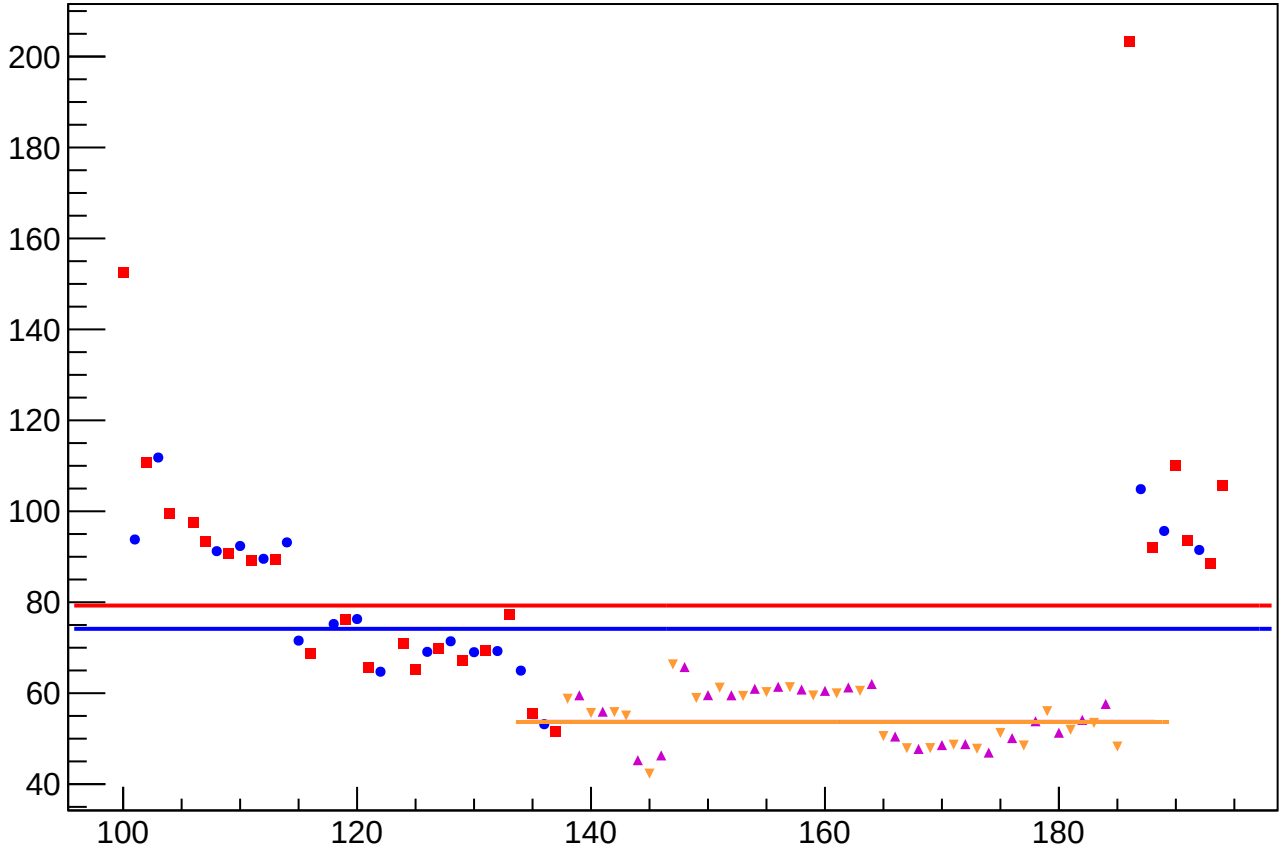
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -4.745+/-11.068 χ^2/NDF: 69.7/43

All: 5.582+/-7.889 χ^2/NDF: 120.9/91

- sign 16.249+/-11.249 χ^2/NDF: 49.4/47

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

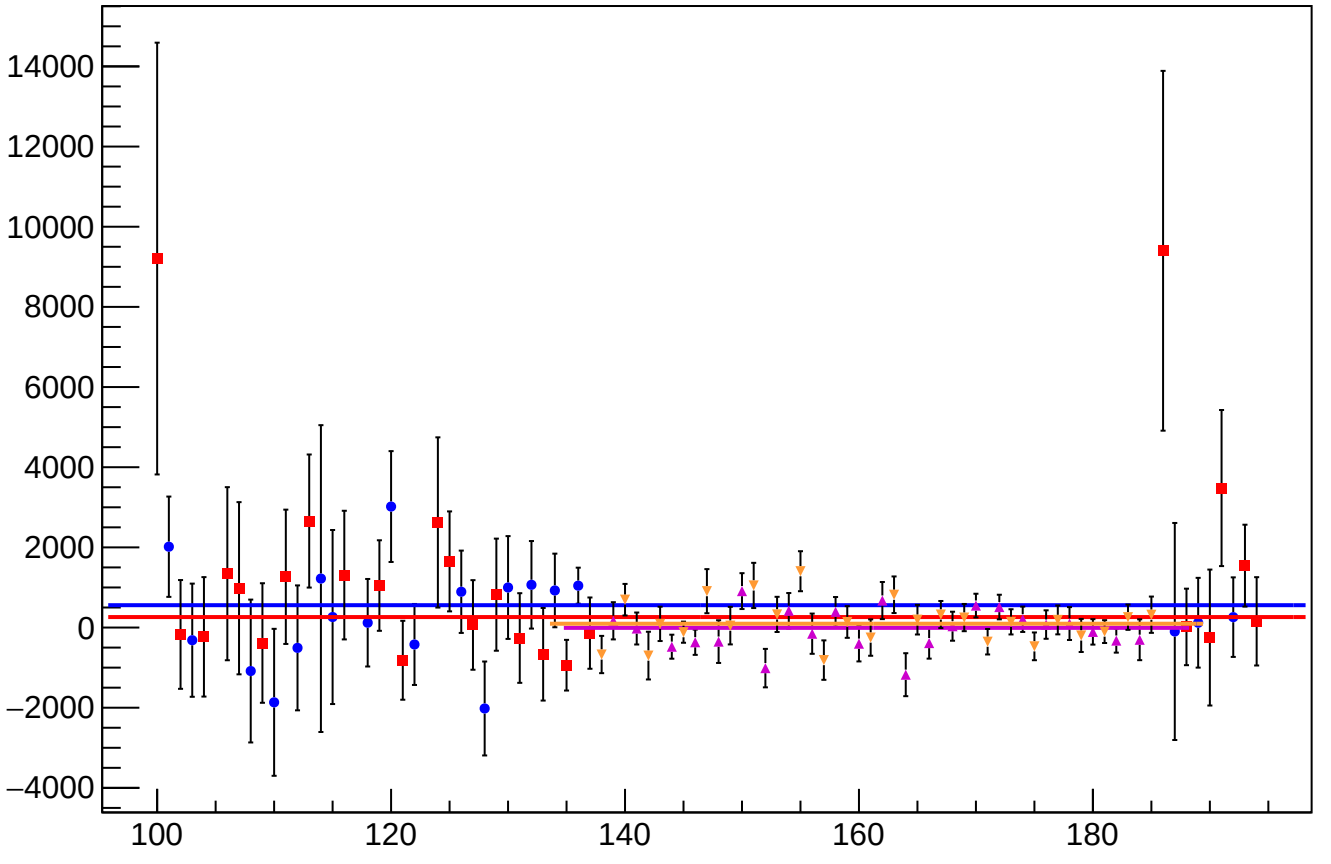
Right Out: 79.273+/-0.017 χ^2/NDF: 1233154.5/24

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.530+/-0.008 χ^2/NDF: 2286414.2/43

All: 58.275+/-0.006 χ^2/NDF: 5720057.2/91

- sign 59.045+/-0.008 χ^2/NDF: 3415200.5/47



Right In: 557.780+/-250.019 χ^2/NDF: 16.0/18

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

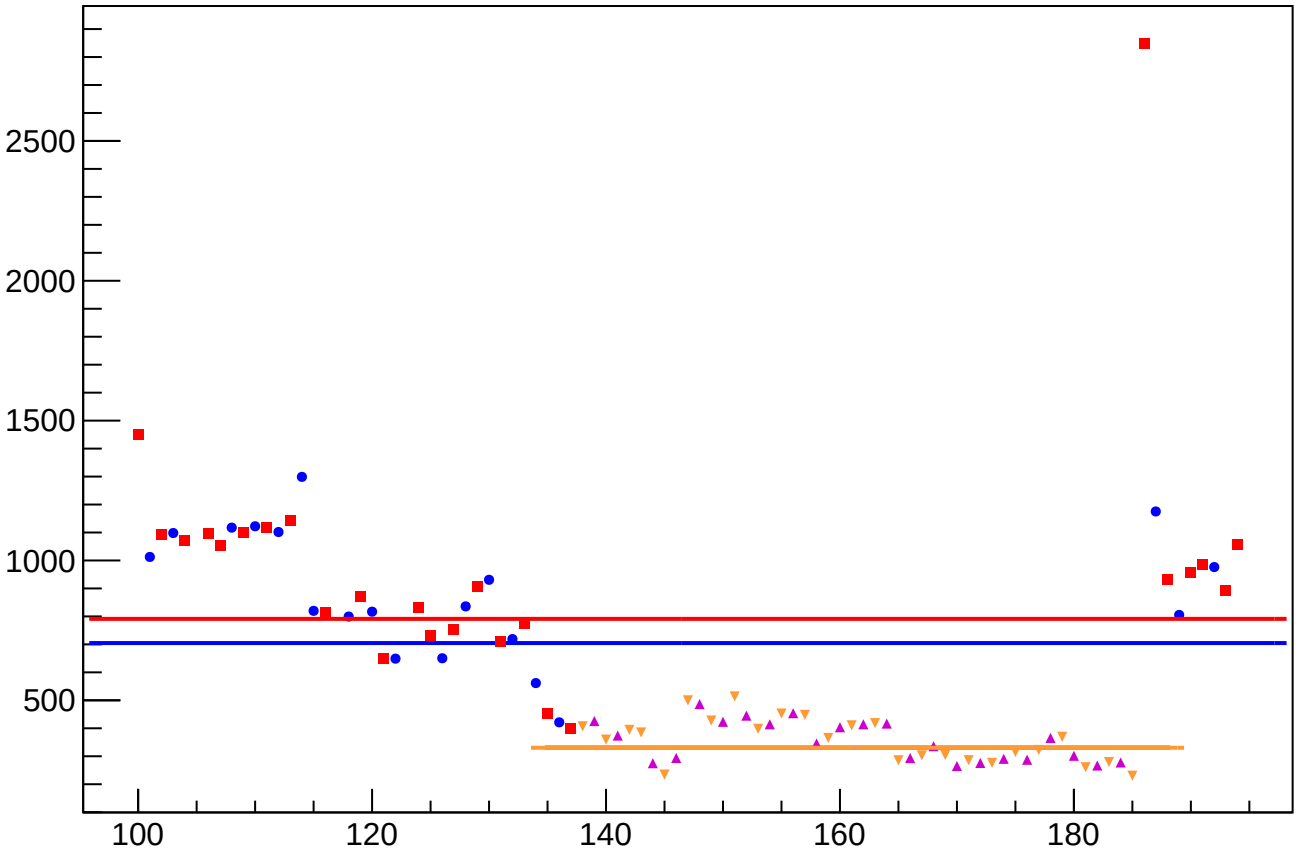
Right Out: 261.564+/-251.043 χ^2/NDF: 24.0/24

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

\+ sign 135.638+/-73.706 χ^2/NDF: 52.3/43

All: 77.461+/-52.729 χ^2/NDF: 111.0/91

\- sign 16.473+/-75.466 χ^2/NDF: 57.4/47



Right In: 704.743+/-0.177 χ^2/NDF: 1869173.4/18

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 791.243+/-0.178 χ^2/NDF: 2211324.1/24

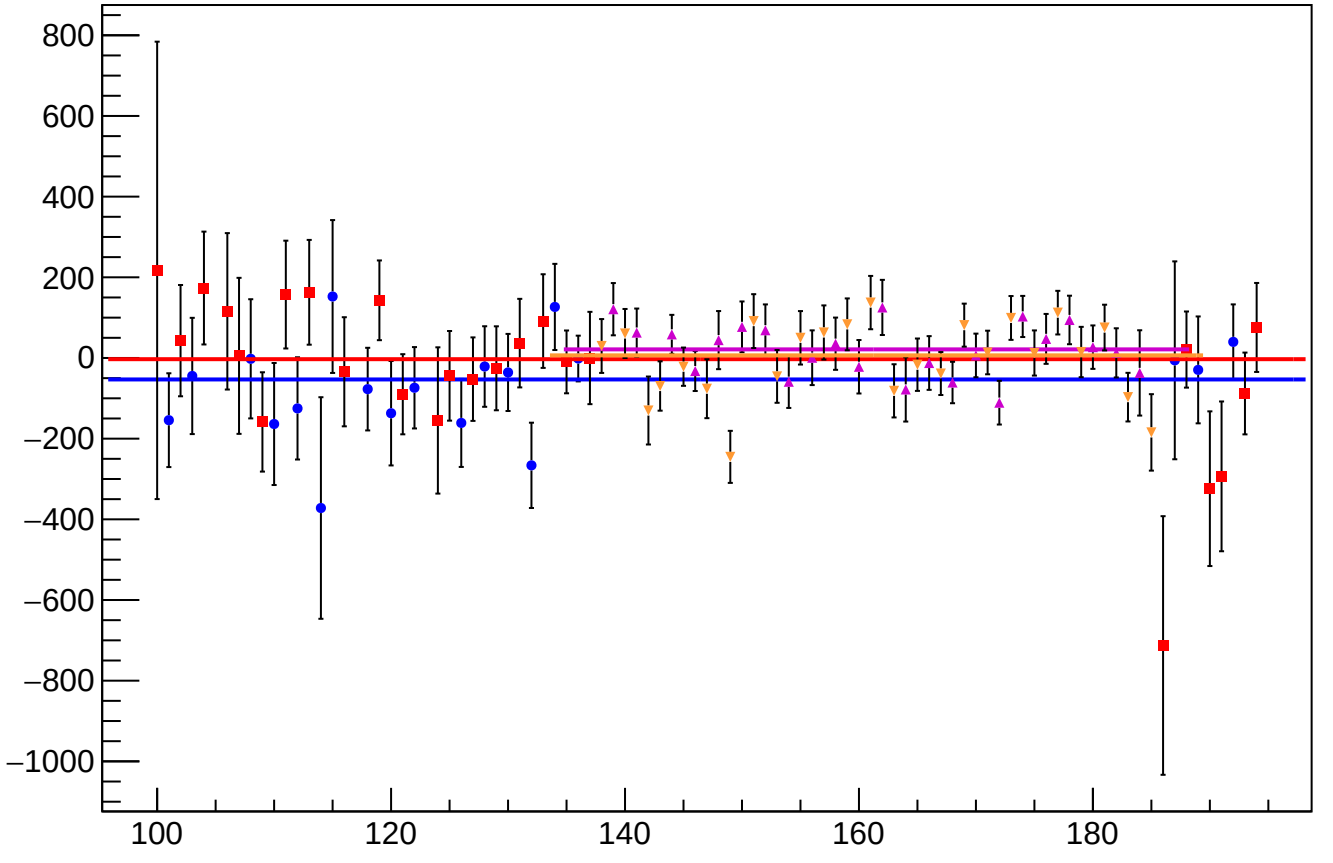
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 362.938+/-0.052 χ^2/NDF: 7715430.2/43

All: 367.676+/-0.037 χ^2/NDF: 17382454.1/91

- sign 372.643+/-0.053 χ^2/NDF: 9650095.8/47

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: -2.978+/-24.595 χ^2/NDF: 23.2/24

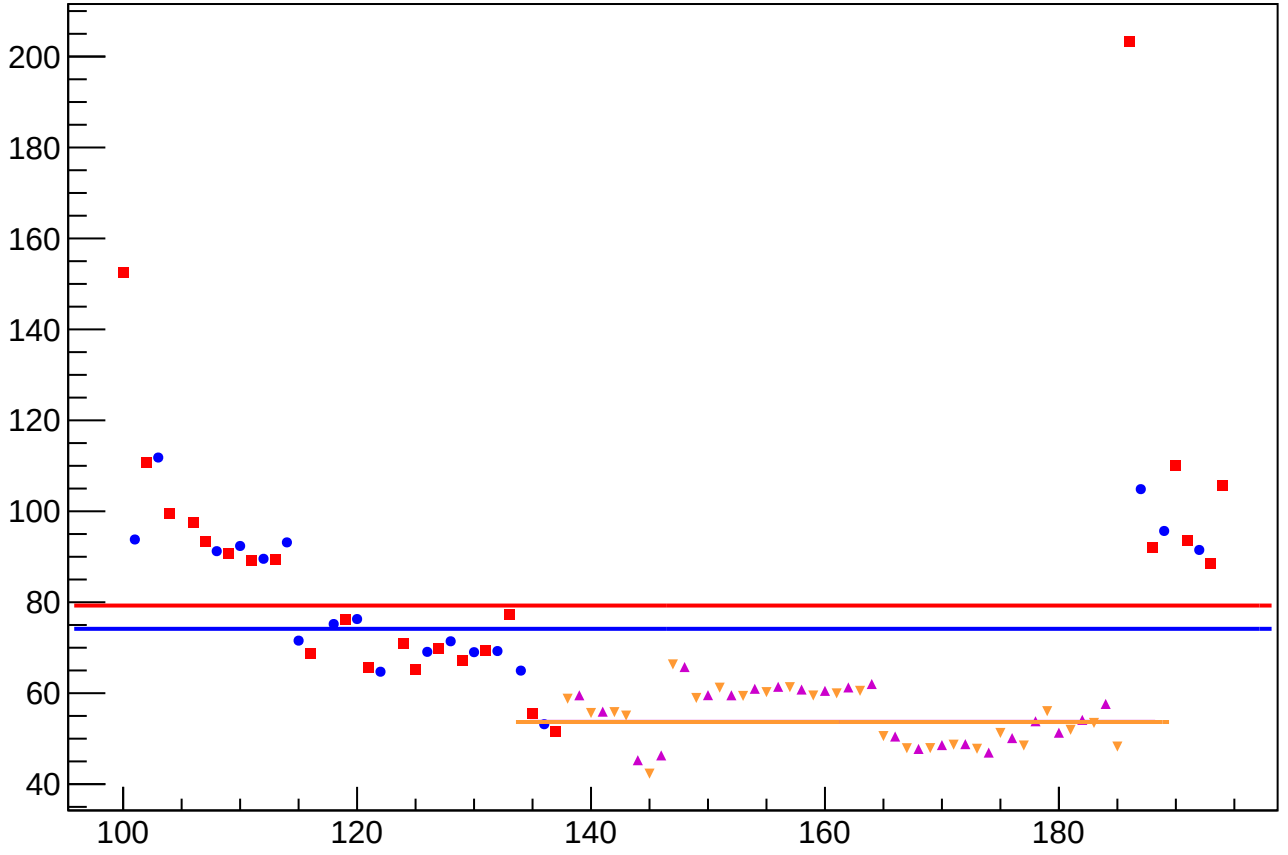
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -4.745+/-11.068 χ^2/NDF: 69.7/43

All: 5.582+/-7.889 χ^2/NDF: 120.9/91

- sign 16.249+/-11.249 χ^2/NDF: 49.4/47

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

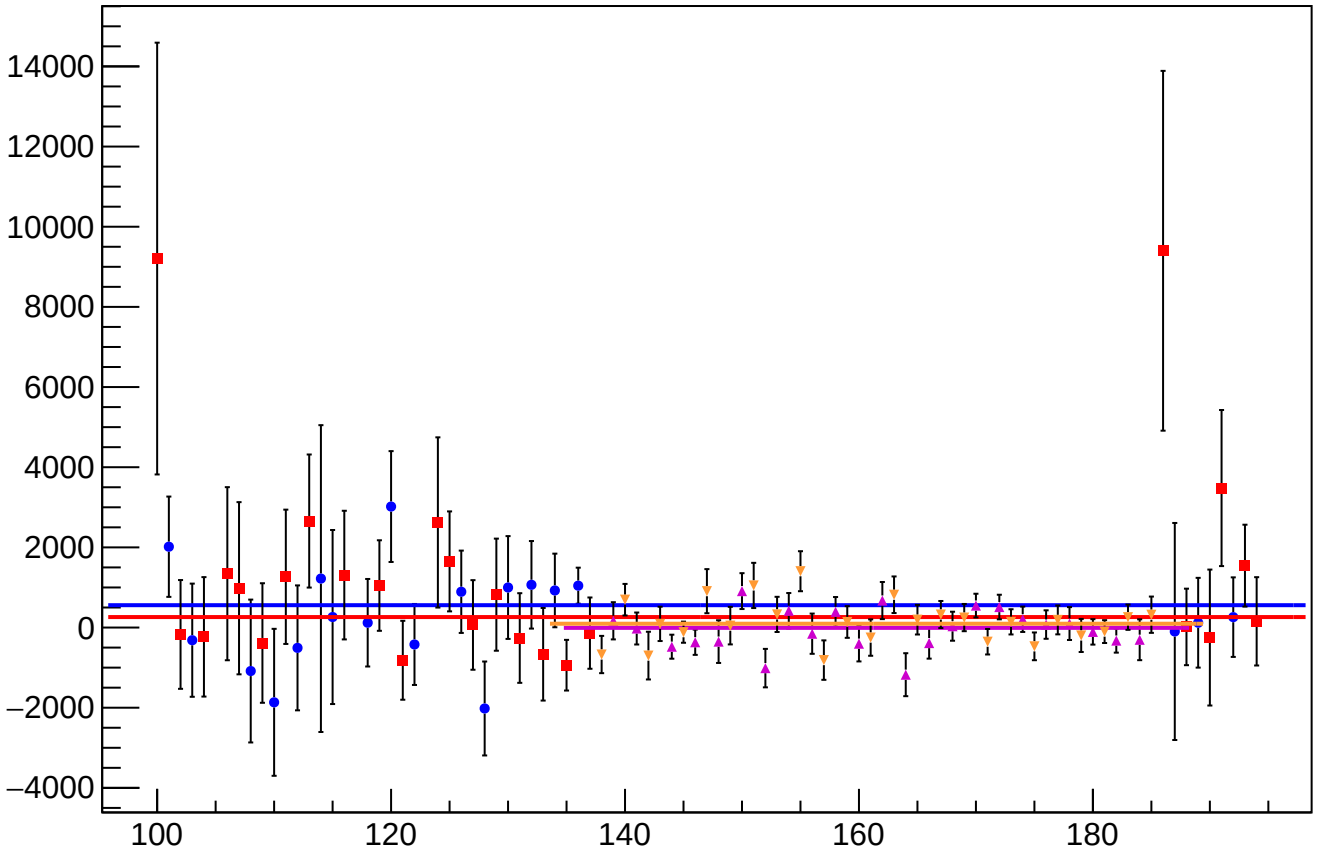
Right Out: 79.273+/-0.017 χ^2/NDF: 1233154.5/24

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 57.530+/-0.008 χ^2/NDF: 2286414.2/43

All: 58.275+/-0.006 χ^2/NDF: 5720057.2/91

- sign 59.045+/-0.008 χ^2/NDF: 3415200.5/47



Right In: 557.780+/-250.019 χ^2/NDF: 16.0/18

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

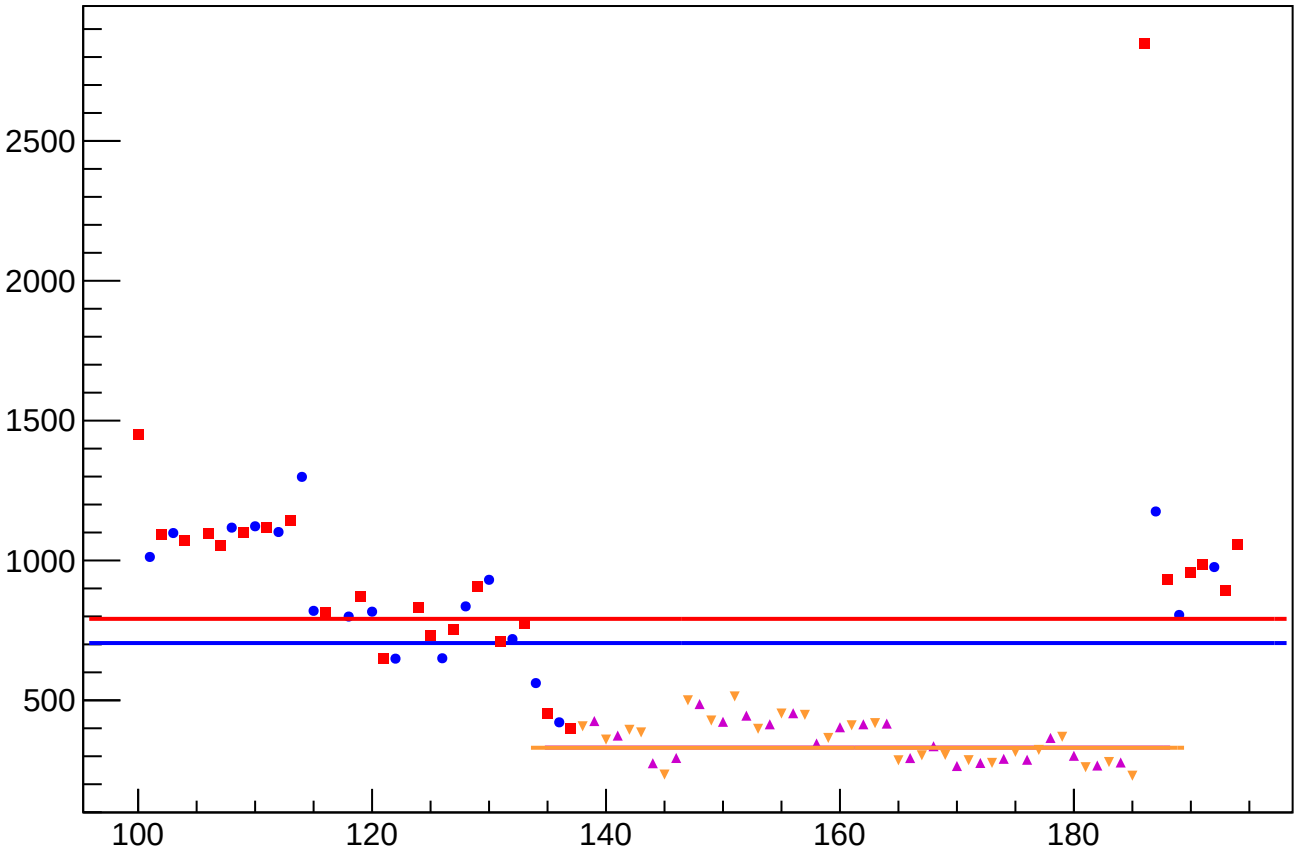
Right Out: 261.564+/-251.043 χ^2/NDF: 24.0/24

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 135.638+/-73.706 χ^2/NDF: 52.3/43

All: 77.461+/-52.729 χ^2/NDF: 111.0/91

- sign 16.473+/-75.466 χ^2/NDF: 57.4/47



Right In: 704.743+/-0.177 χ^2/NDF: 1869173.4/18

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 791.243+/-0.178 χ^2/NDF: 2211324.1/24

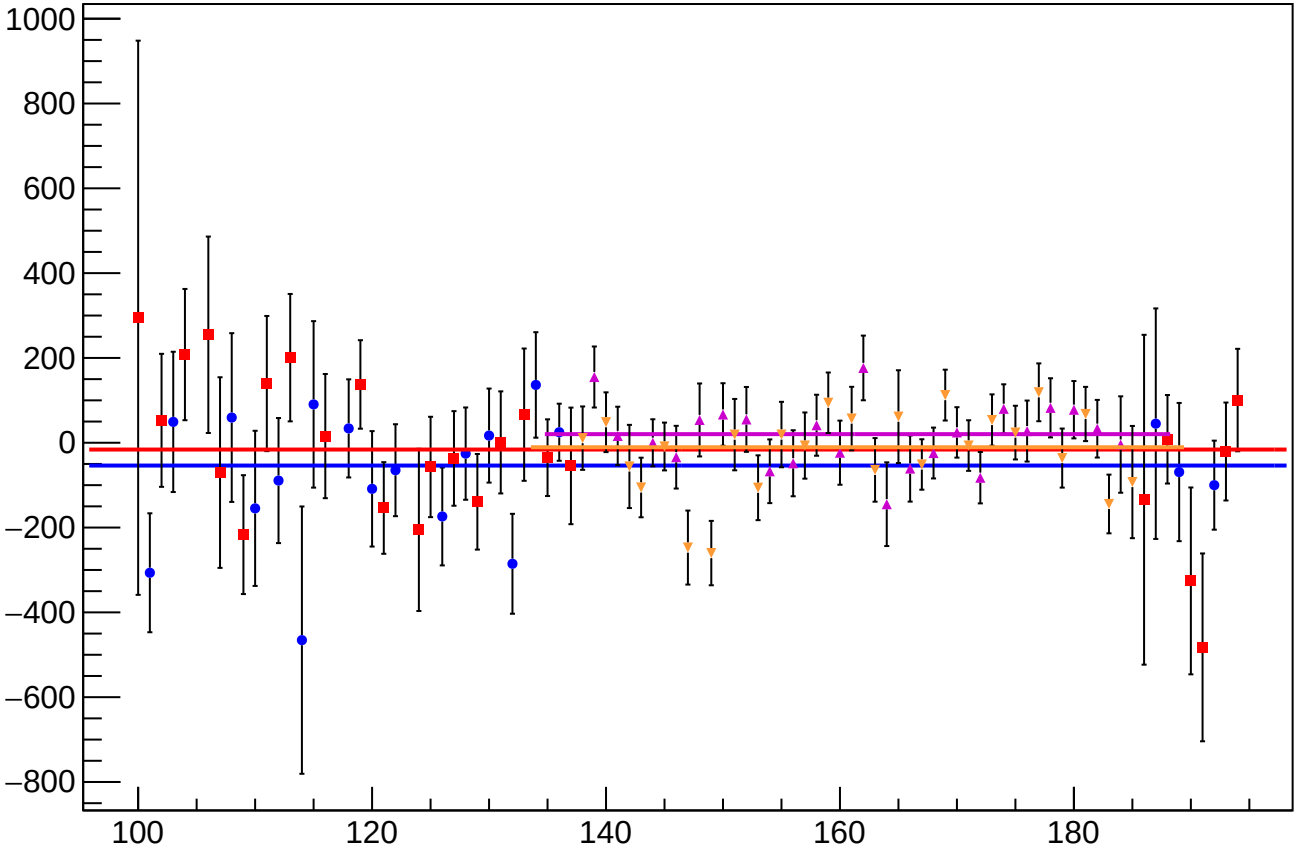
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 362.938+/-0.052 χ^2/NDF: 7715430.2/43

All: 367.676+/-0.037 χ^2/NDF: 17382454.1/91

- sign 372.643+/-0.053 χ^2/NDF: 9650095.8/47

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: -16.017+/-27.651 χ^2/NDF: 23.1/24

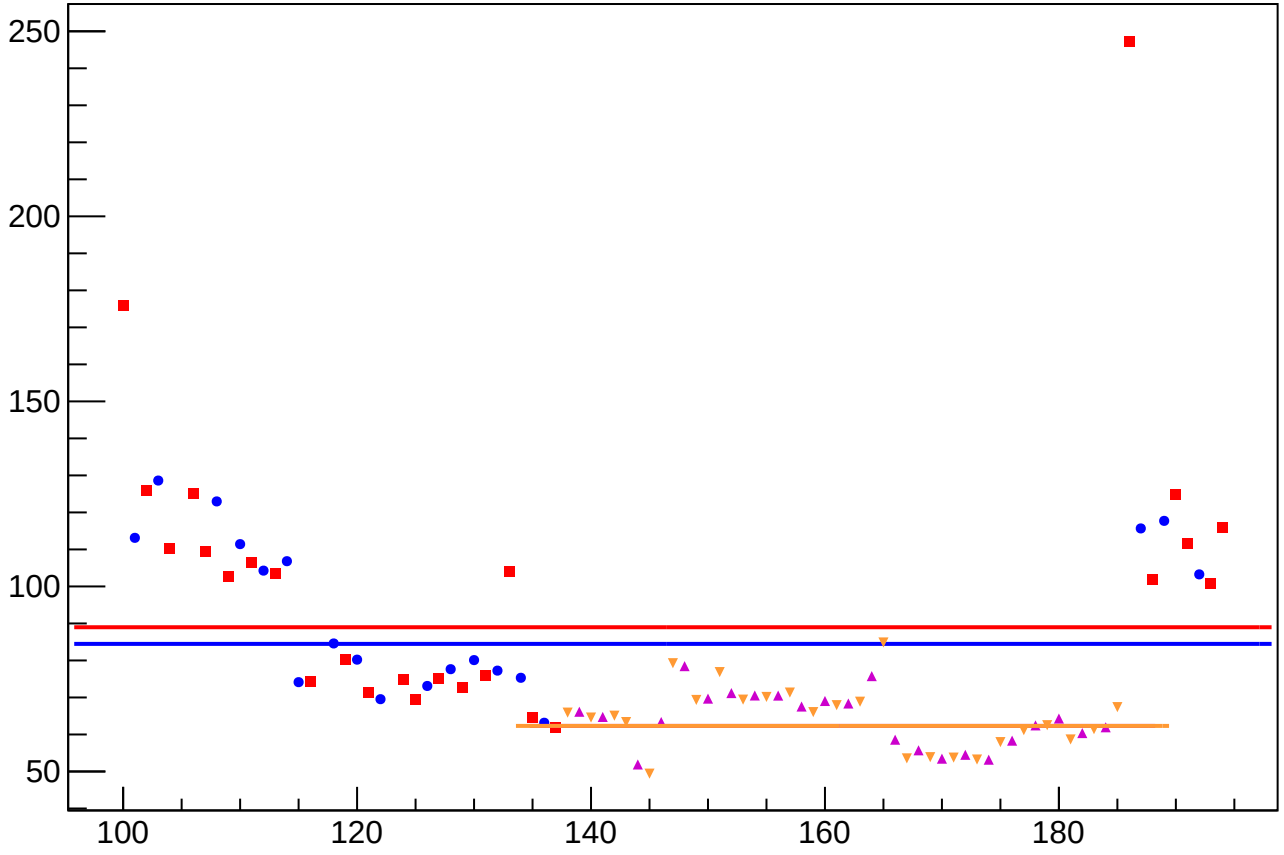
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -19.006+/-12.845 χ^2/NDF: 60.7/43

All: -3.578+/-9.142 χ^2/NDF: 109.8/91

- sign 12.259+/-13.014 χ^2/NDF: 46.1/47

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: 88.975+/-0.020 χ^2/NDF: 1359294.4/24

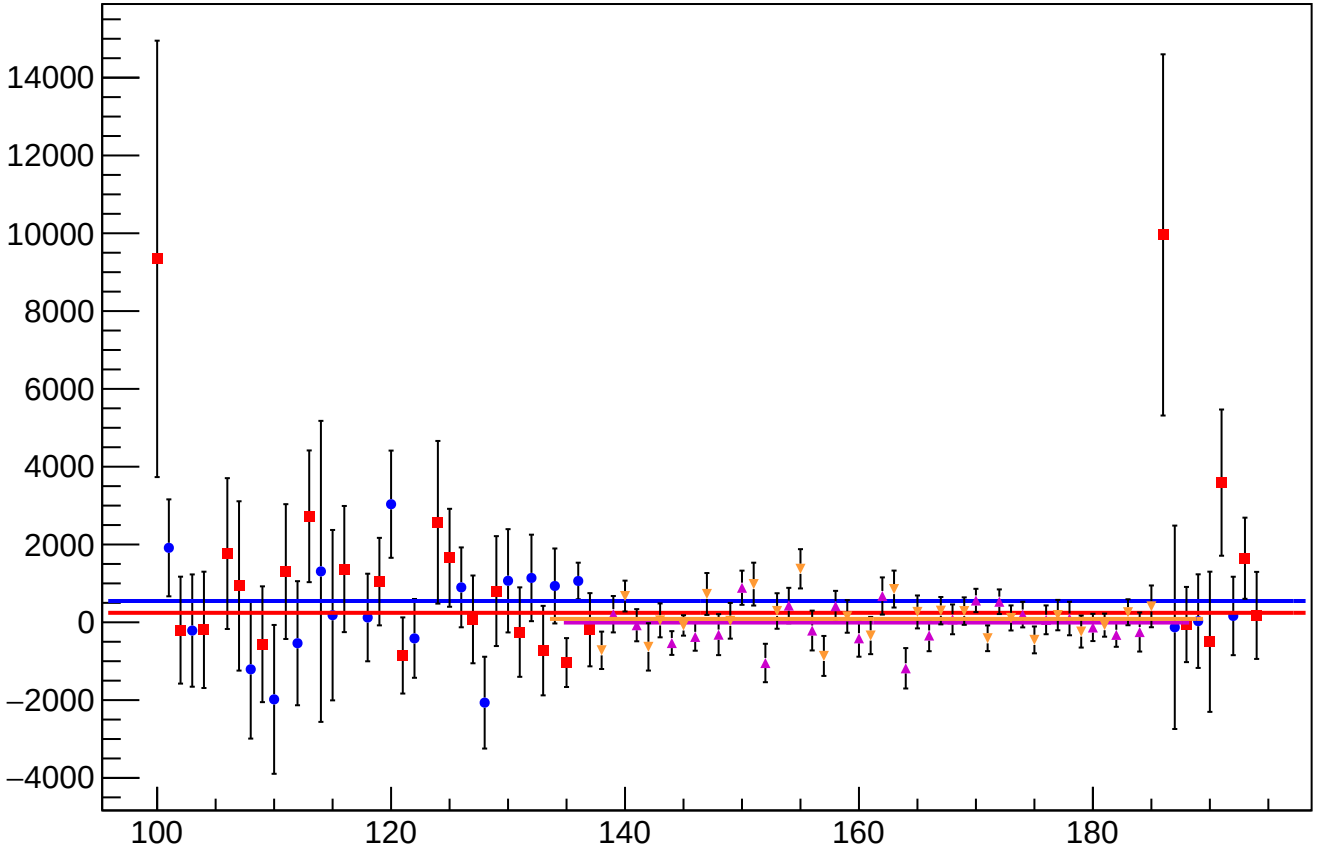
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 66.625+/-0.009 χ^2/NDF: 2427109.1/43

All: 67.410+/-0.006 χ^2/NDF: 5734007.7/91

- sign 68.217+/-0.009 χ^2/NDF: 3291725.9/47

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 547.727+/-256.980 χ^2/NDF: 16.2/18

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 243.753+/-253.339 χ^2/NDF: 26.2/24

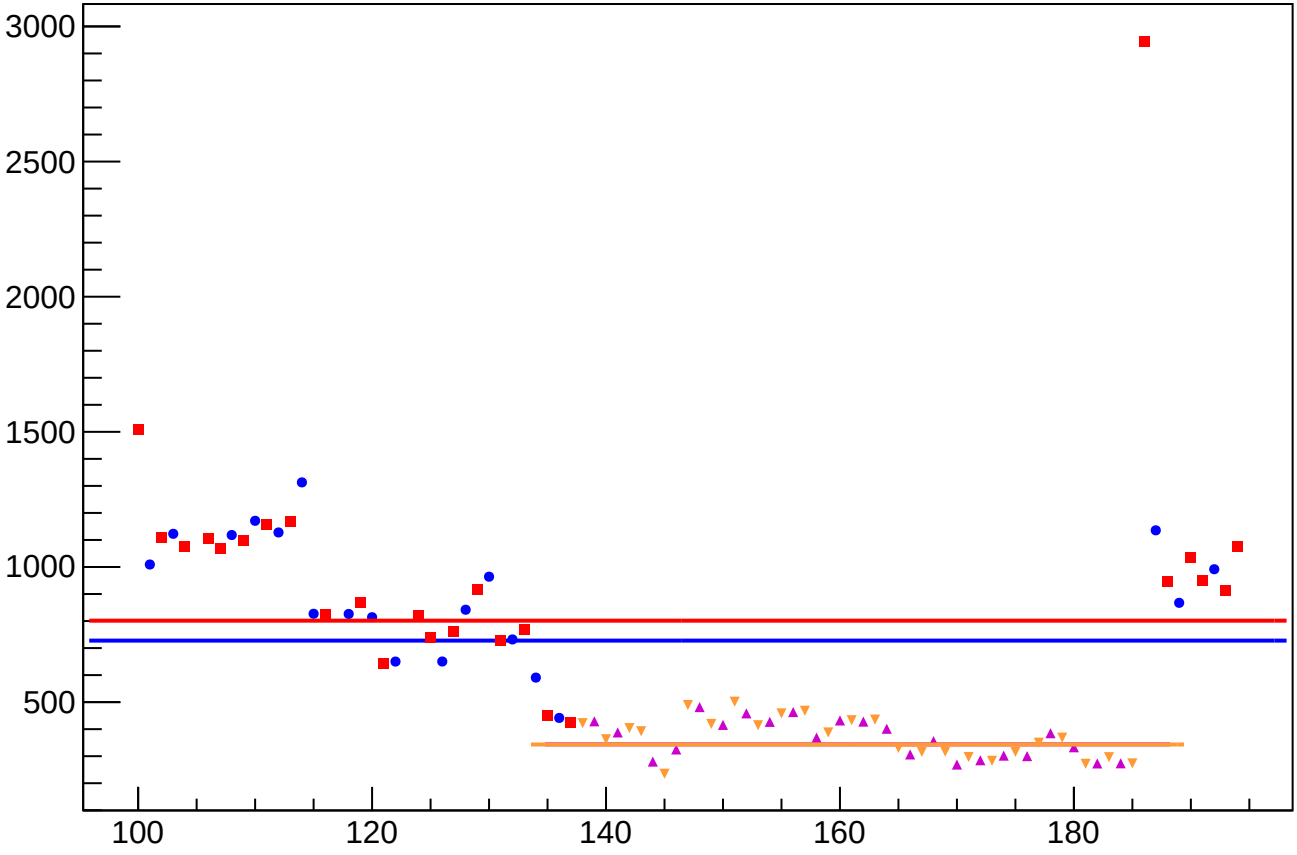
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.540+/-76.242 χ^2/NDF: 50.8/43

All: 73.751+/-54.560 χ^2/NDF: 111.3/91

- sign 17.293+/-78.110 χ^2/NDF: 59.5/47

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: 801.403+/-0.179 χ^2/NDF: 2233826.6/24

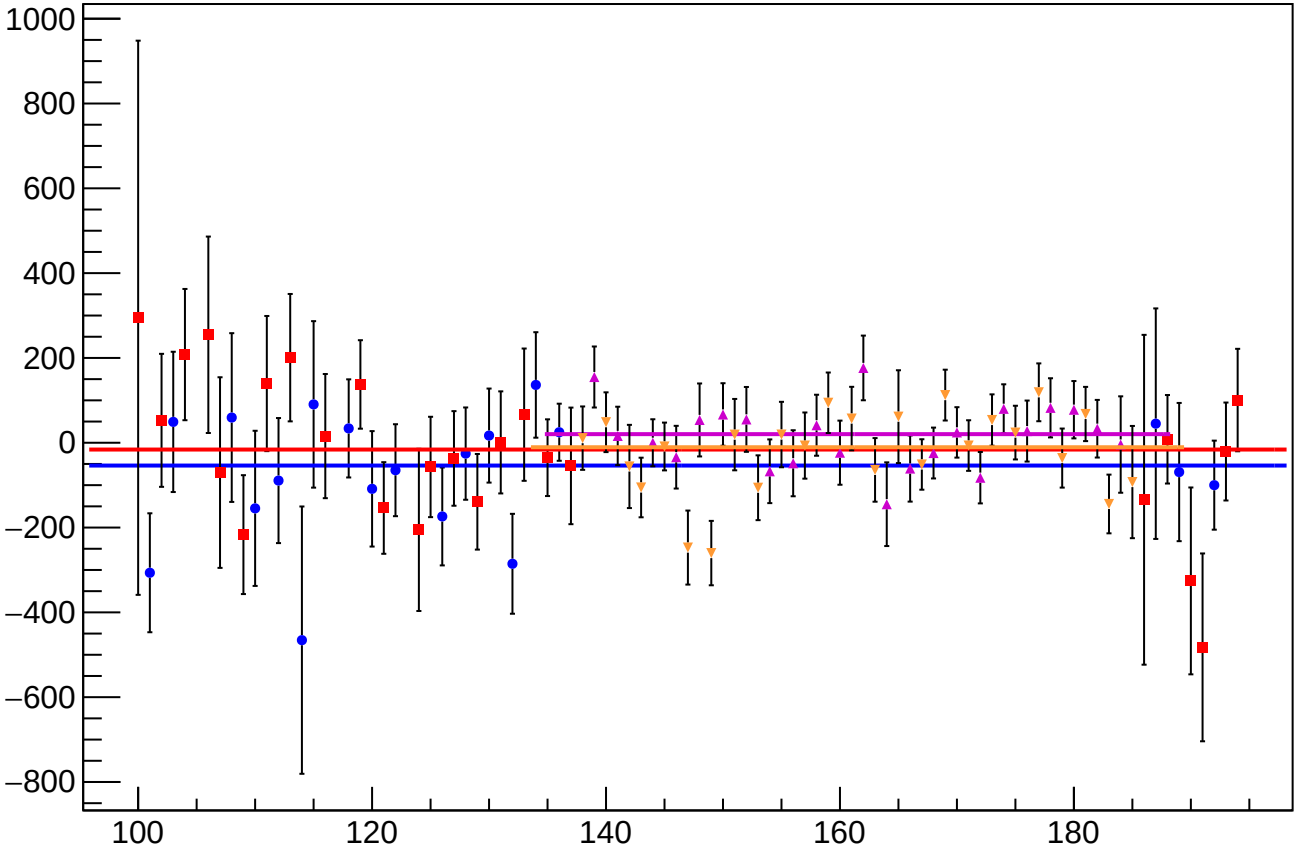
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 377.059+/-0.054 χ^2/NDF: 7430687.7/43

All: 382.019+/-0.039 χ^2/NDF: 16847402.0/91

- sign 387.226+/-0.055 χ^2/NDF: 9399362.8/47

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: -16.018+/-27.651 χ^2/NDF: 23.1/24

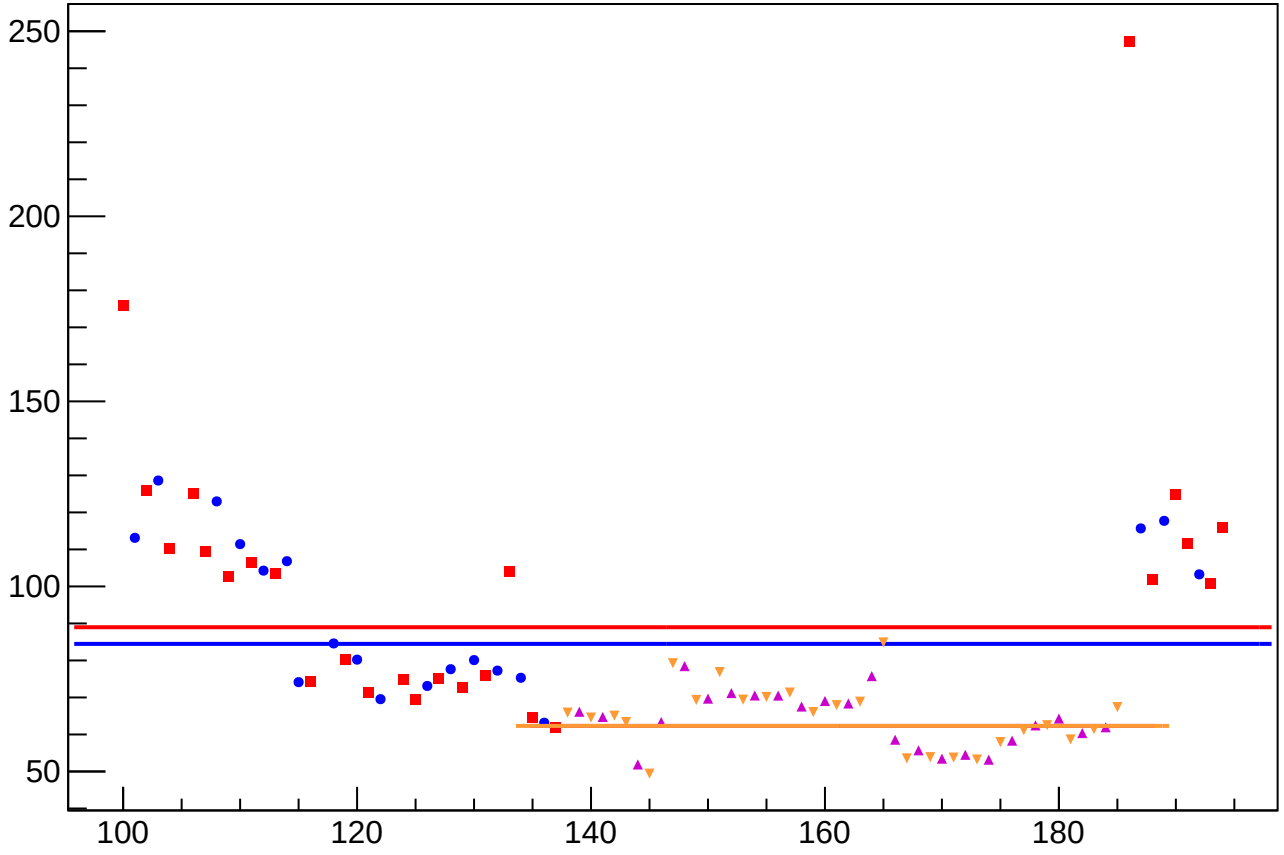
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

\+ sign -19.005+/-12.844 χ^2/NDF: 60.7/43

All: -3.578+/-9.142 χ^2/NDF: 109.8/91

\- sign 12.259+/-13.014 χ^2/NDF: 46.1/47

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

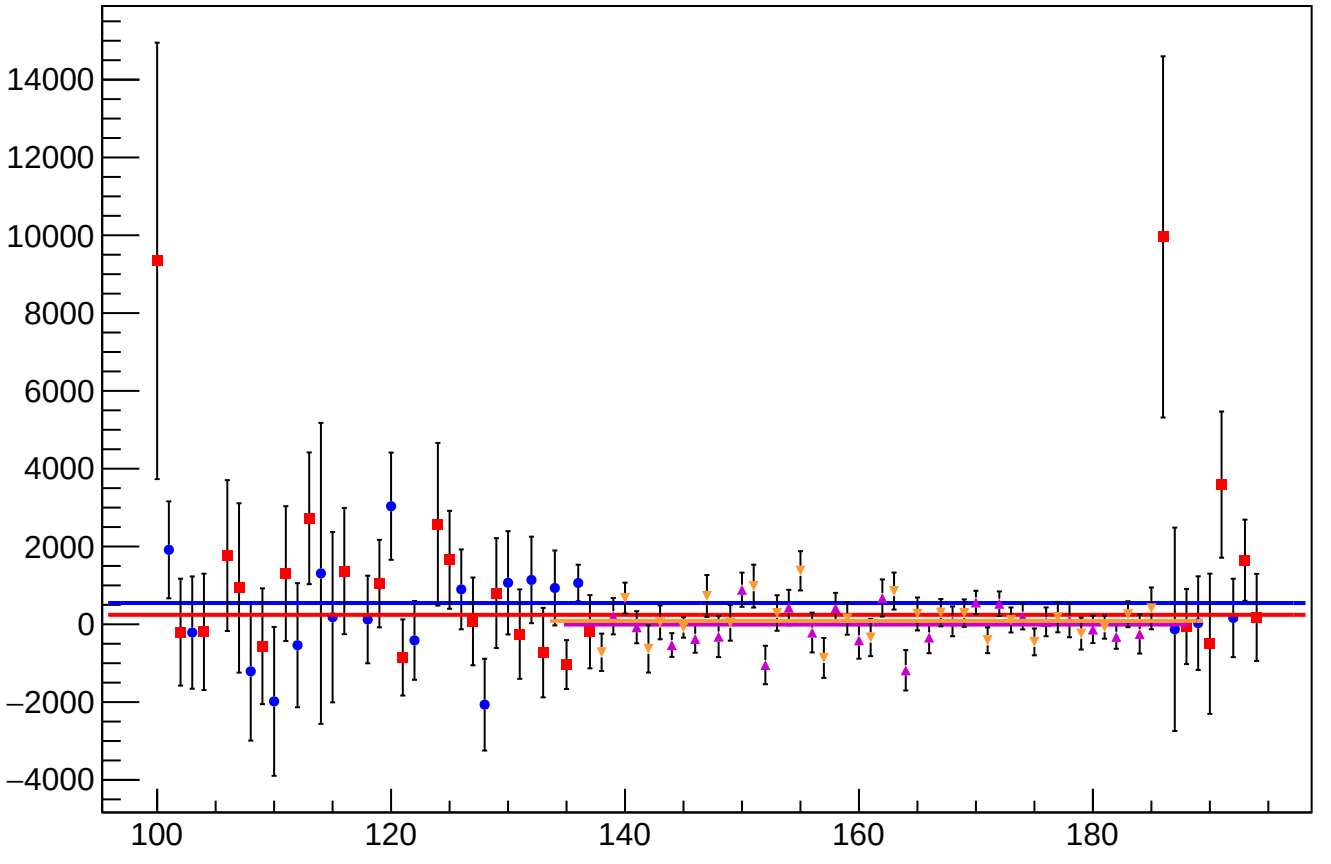
Right Out: 88.975+/-0.020 χ^2/NDF: 1359281.1/24

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 66.625+/-0.009 χ^2/NDF: 2427077.0/43

All: 67.410+/-0.006 χ^2/NDF: 5733917.7/91

- sign 68.217+/-0.009 χ^2/NDF: 3291665.2/47



Right In: 547.727+/-256.980 χ^2/NDF: 16.2/18

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 243.754+/-253.339 χ^2/NDF: 26.2/24

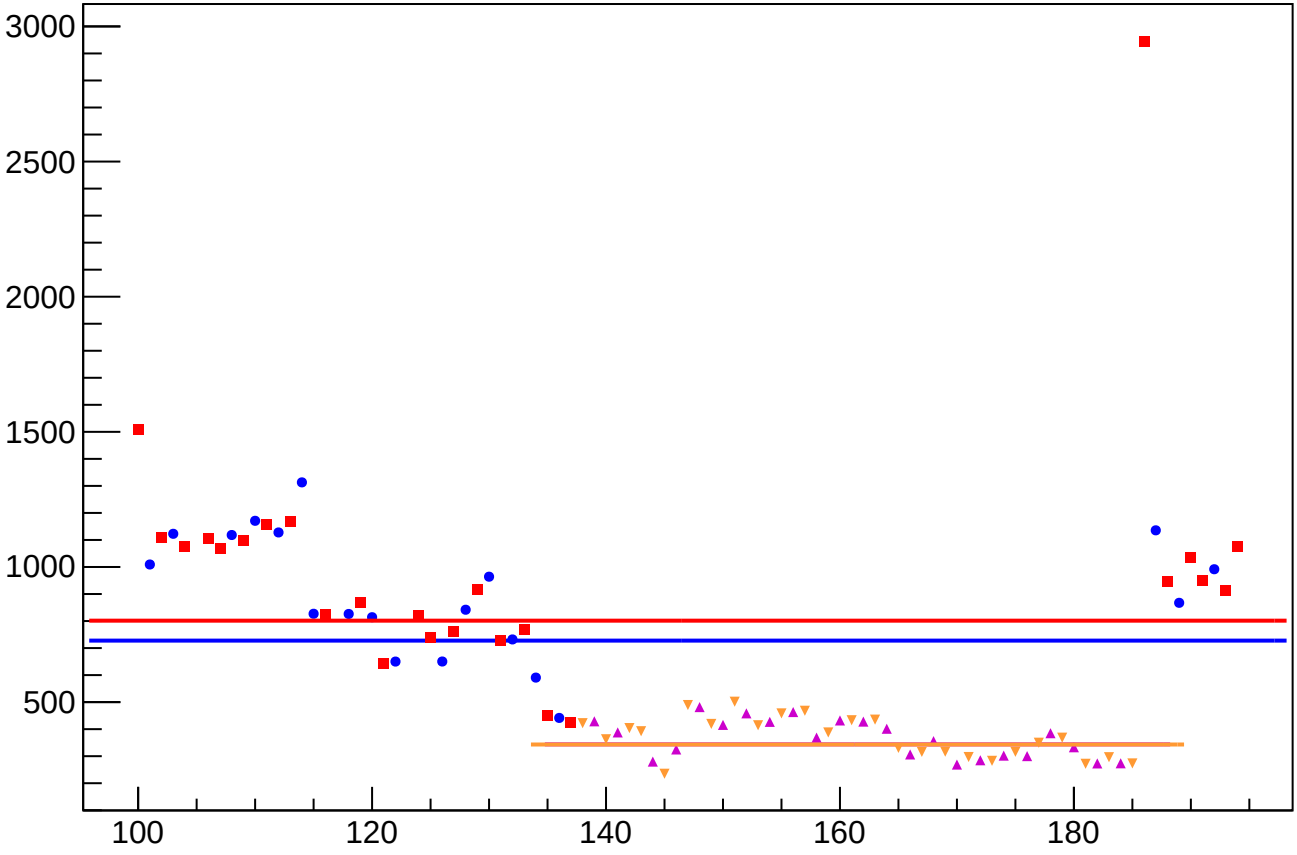
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.540+/-76.242 χ^2/NDF: 50.8/43

All: 73.751+/-54.560 χ^2/NDF: 111.3/91

- sign 17.292+/-78.110 χ^2/NDF: 59.5/47

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



Right In: 727.609+/-0.182 χ^2/NDF: 1754451.9/18

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 801.402+/-0.179 χ^2/NDF: 2233819.0/24

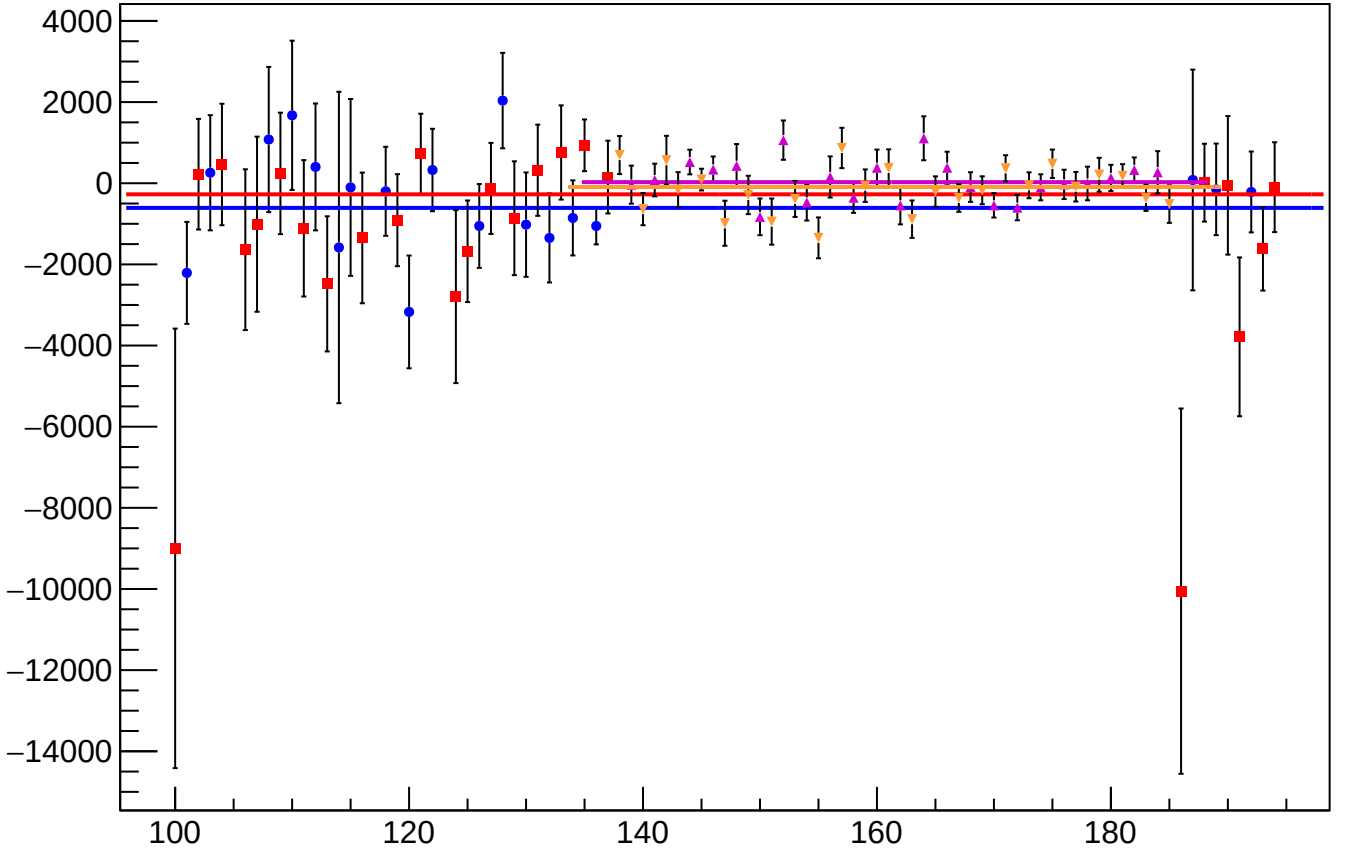
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 377.059+/-0.054 χ^2/NDF: 7430688.5/43

All: 382.020+/-0.039 χ^2/NDF: 16847396.8/91

- sign 387.226+/-0.055 χ^2/NDF: 9399356.3/47

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: -273.353+/-252.062 χ^2/NDF: 25.0/24

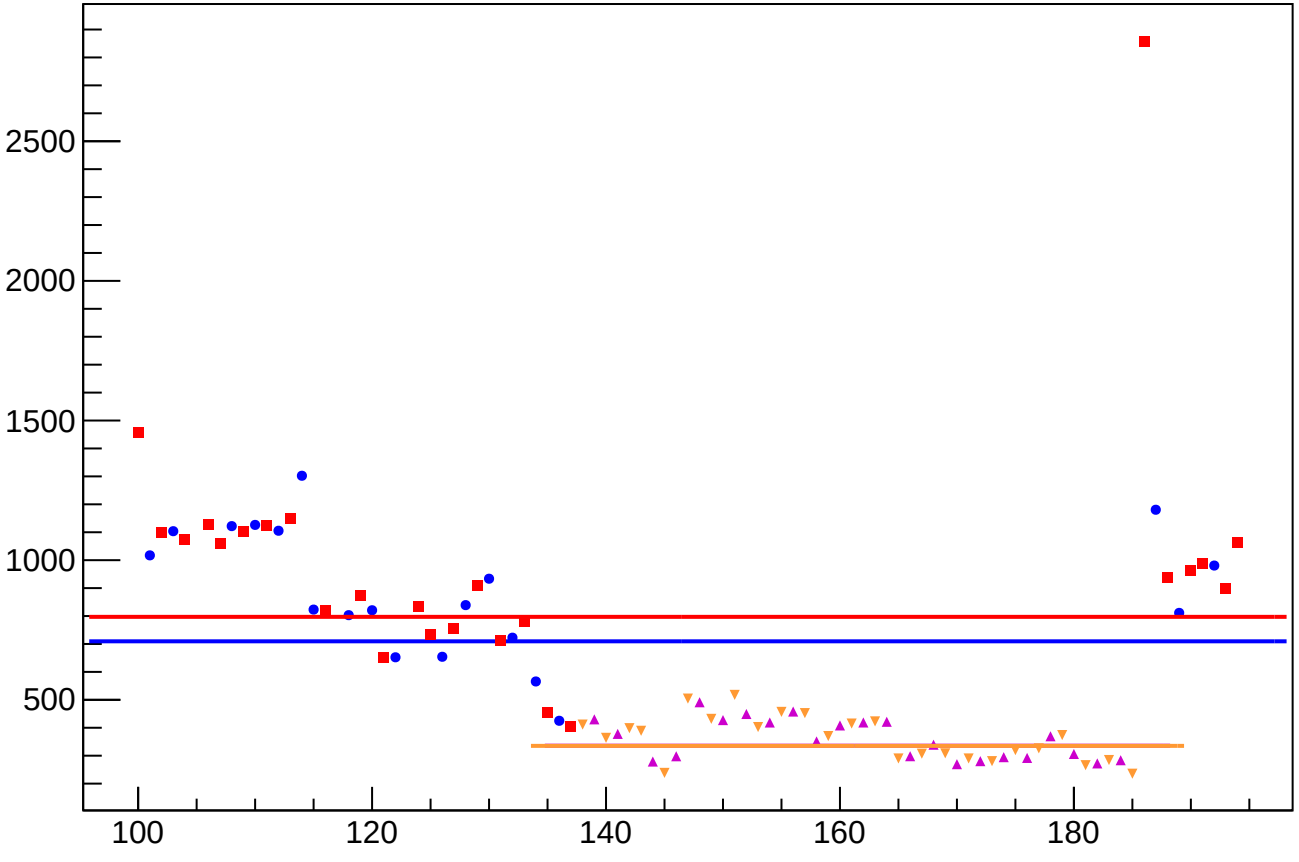
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -138.020+/-74.661 χ^2/NDF: 54.6/43

All: -70.850+/-53.408 χ^2/NDF: 113.4/91

- sign -0.458+/-76.431 χ^2/NDF: 57.2/47

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

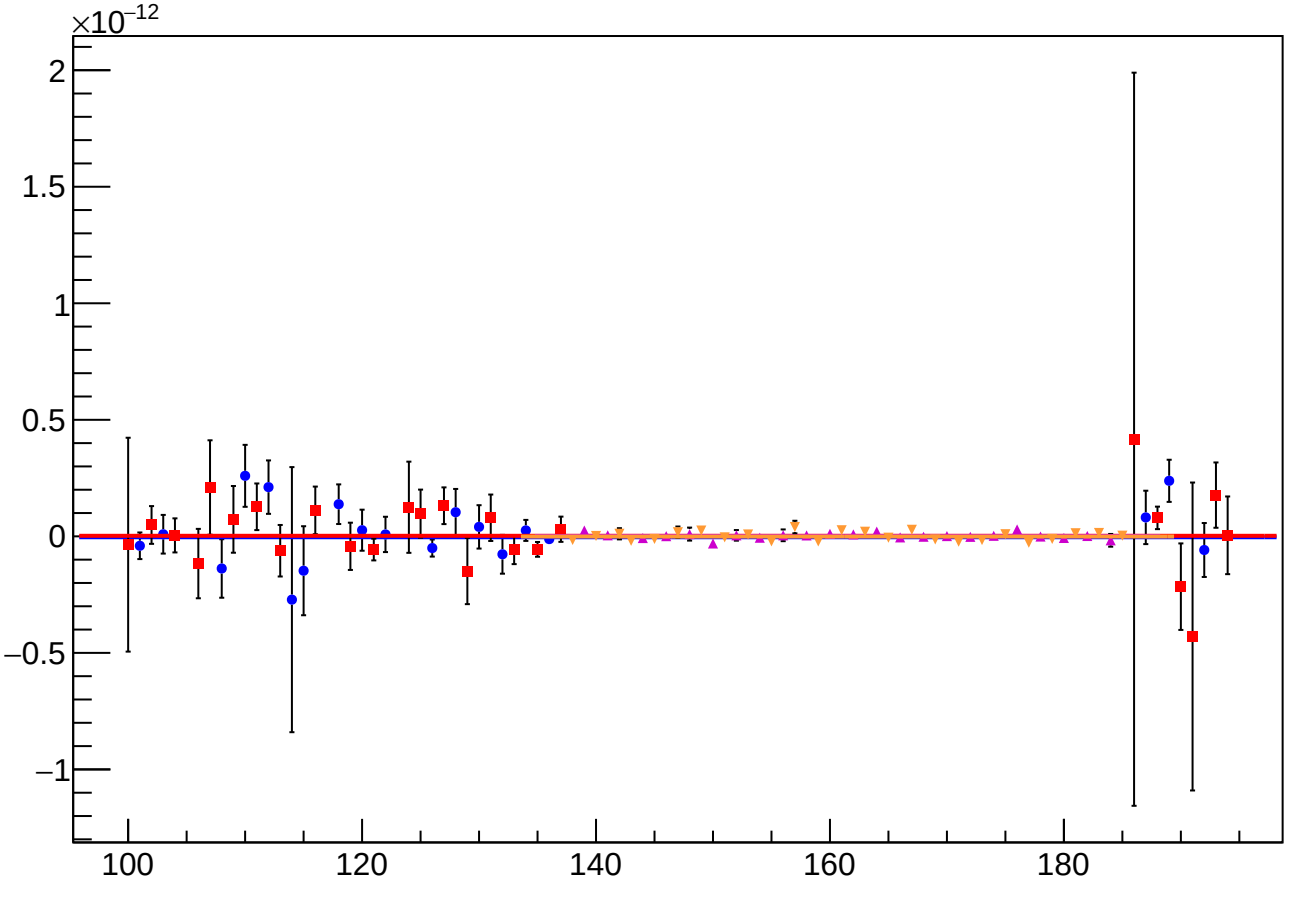
Right Out: 797.101+/-0.178 χ^2/NDF: 2212546.9/24

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 368.127+/-0.053 χ^2/NDF: 7595485.2/43

All: 373.047+/-0.038 χ^2/NDF: 17200220.5/91

- sign 378.202+/-0.054 χ^2/NDF: 9586952.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/24

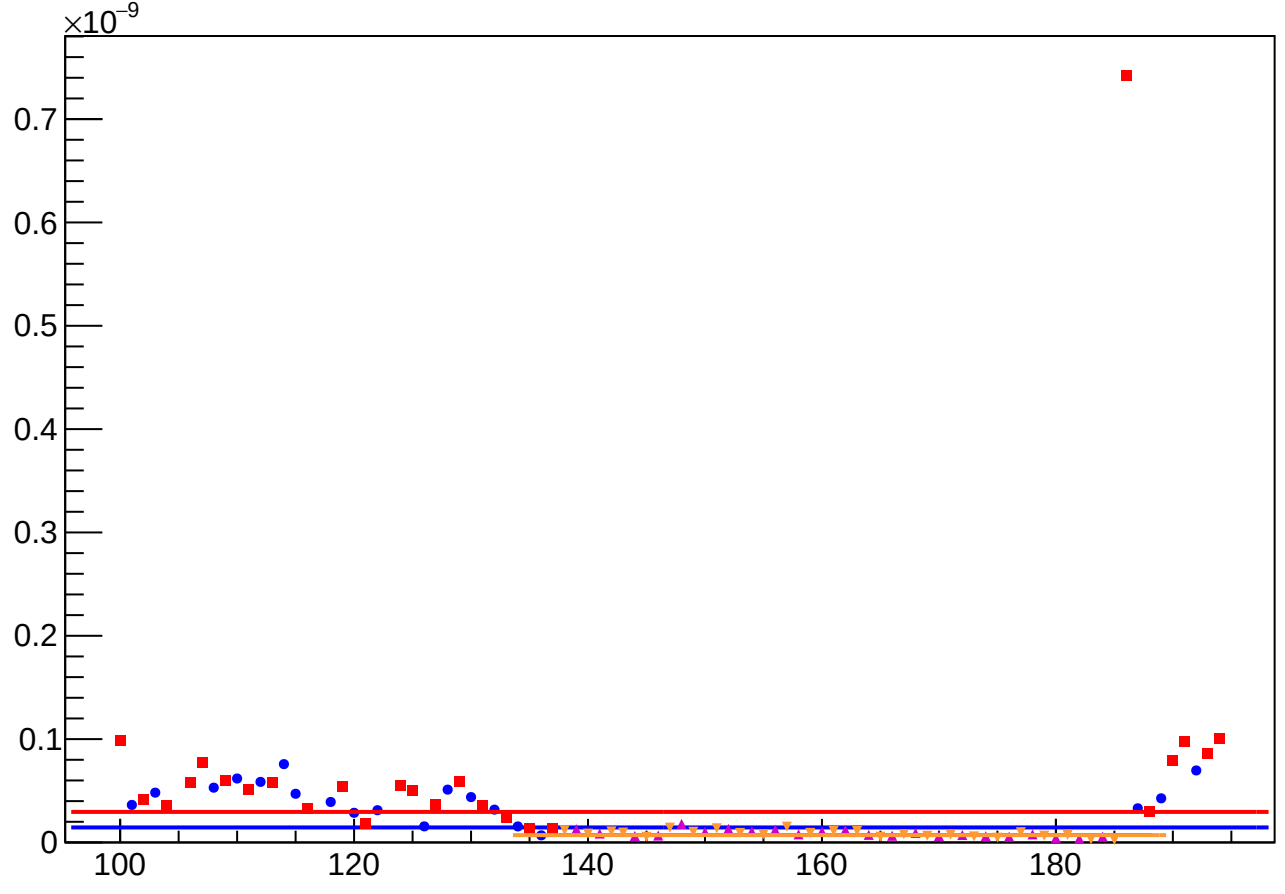
Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.6/43

All: 0.000+/-0.000 χ^2/NDF: 97.2/91

- sign 0.000+/-0.000 χ^2/NDF: 38.1/47

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3764003.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

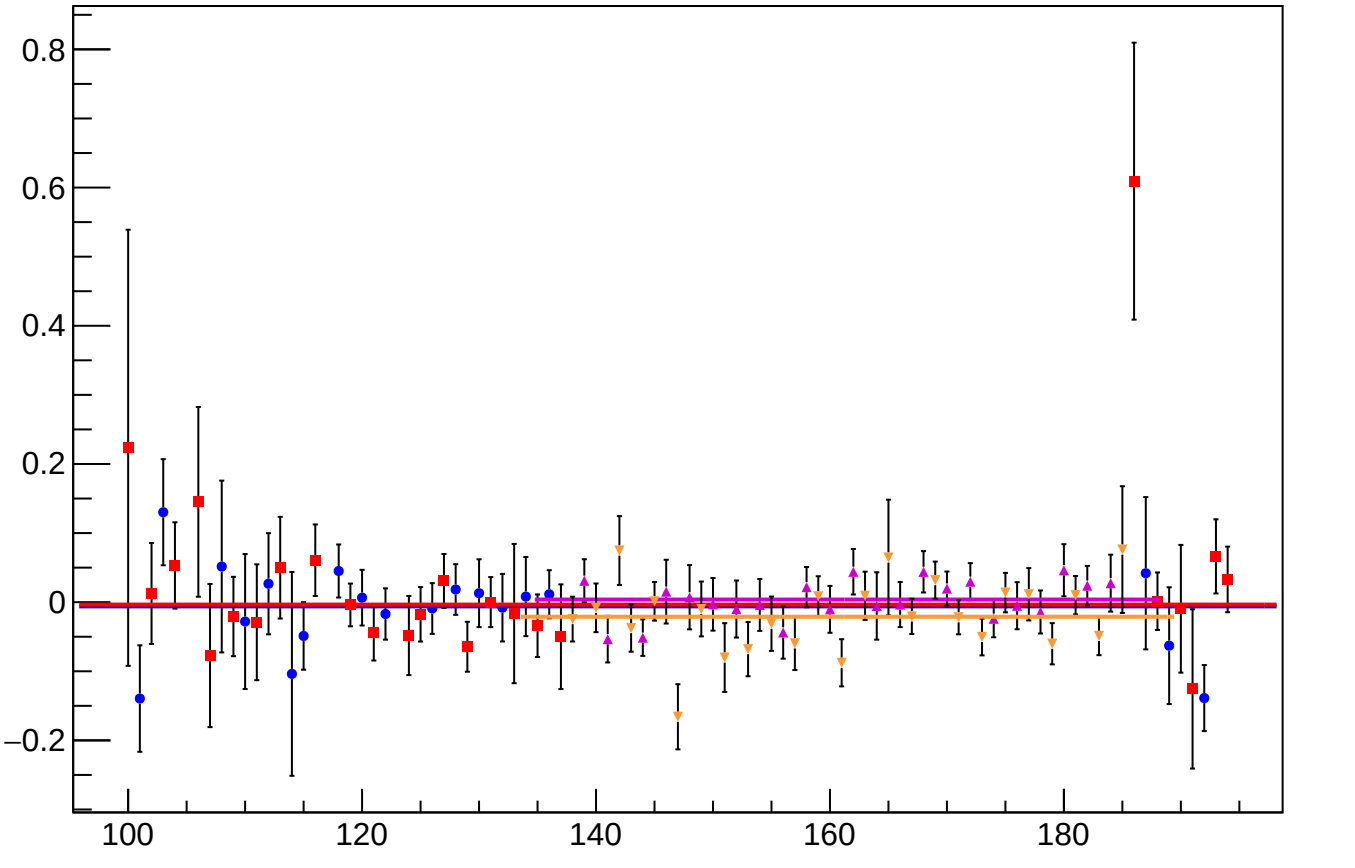
Right Out: 0.000+/-0.000 χ^2/NDF: 3037178.9/24

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6733847.3/43

All: 0.000+/-0.000 χ^2/NDF: 15138392.7/91

- sign 0.000+/-0.000 χ^2/NDF: 8389541.2/47



Right In: -0.006+/-0.012 χ^2/NDF: 19.1/18

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.003+/-0.011 χ^2/NDF: 24.3/24

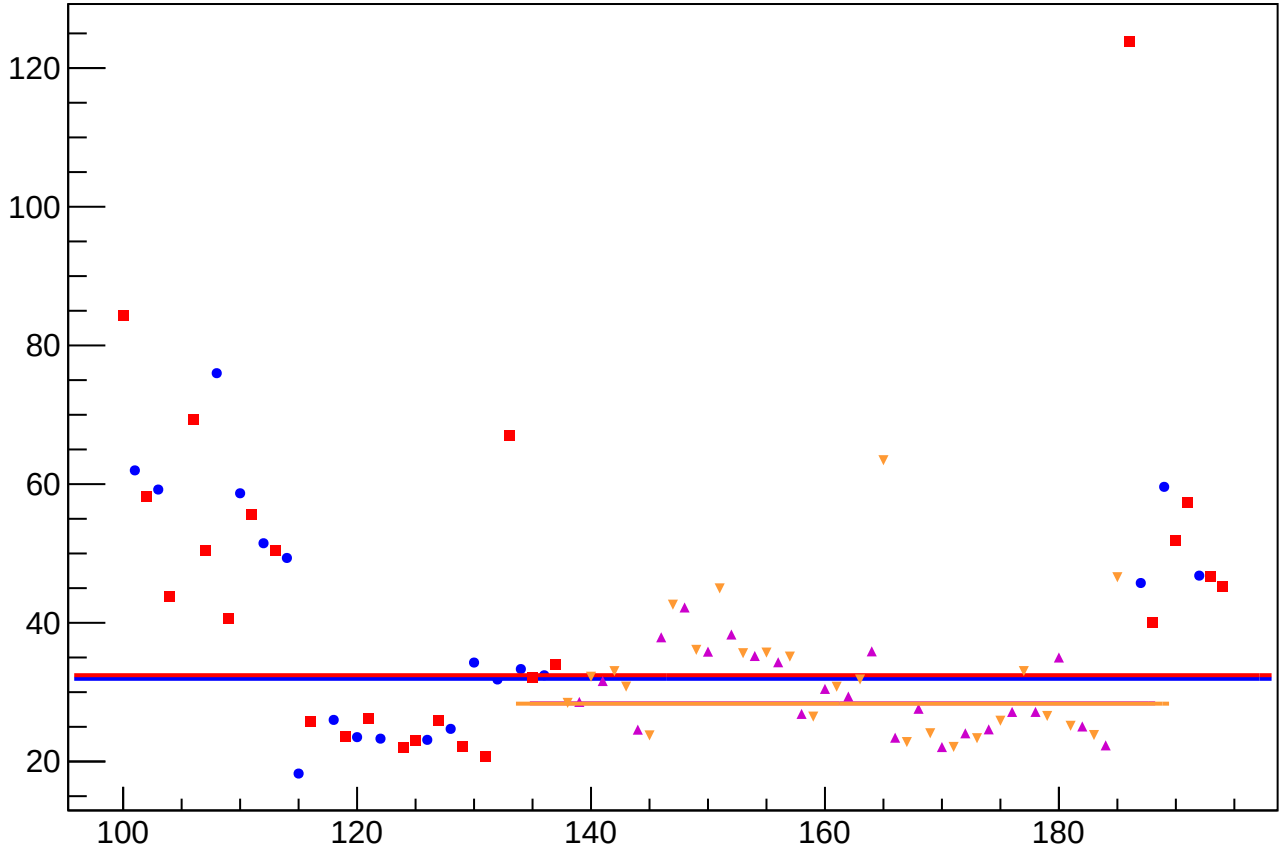
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.5/43

All: -0.008+/-0.004 χ^2/NDF: 106.3/91

- sign 0.002+/-0.006 χ^2/NDF: 43.4/47

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

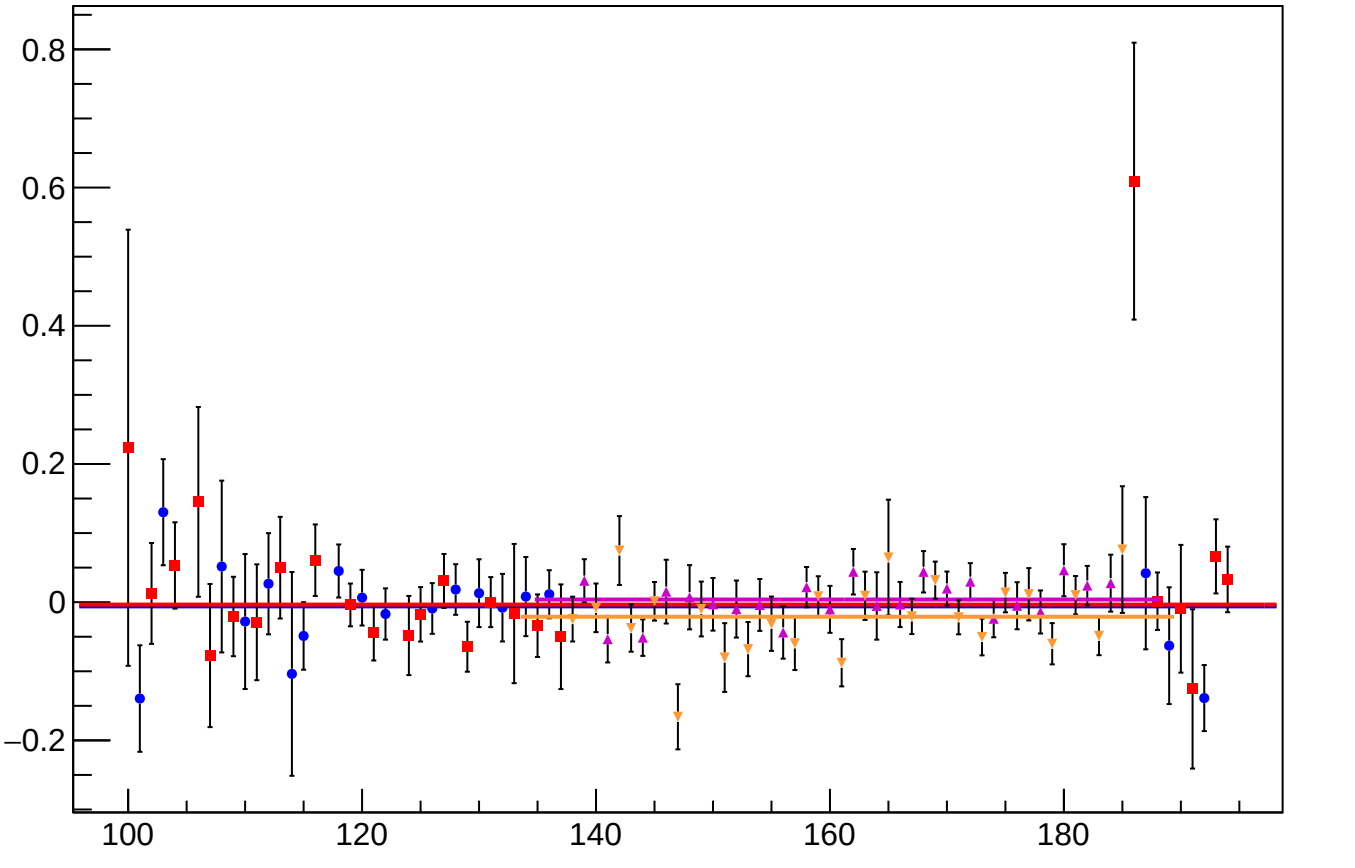
Right Out: 32.446+/-0.008 χ^2/NDF: 2928334.2/24

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

\+ sign 29.219+/-0.004 χ^2/NDF: 4042467.2/43

All: 29.397+/-0.003 χ^2/NDF: 8277365.3/91

\- sign 29.573+/-0.004 χ^2/NDF: 4231174.3/47



Right In: -0.006+/-0.012 χ^2/NDF: 19.1/18

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

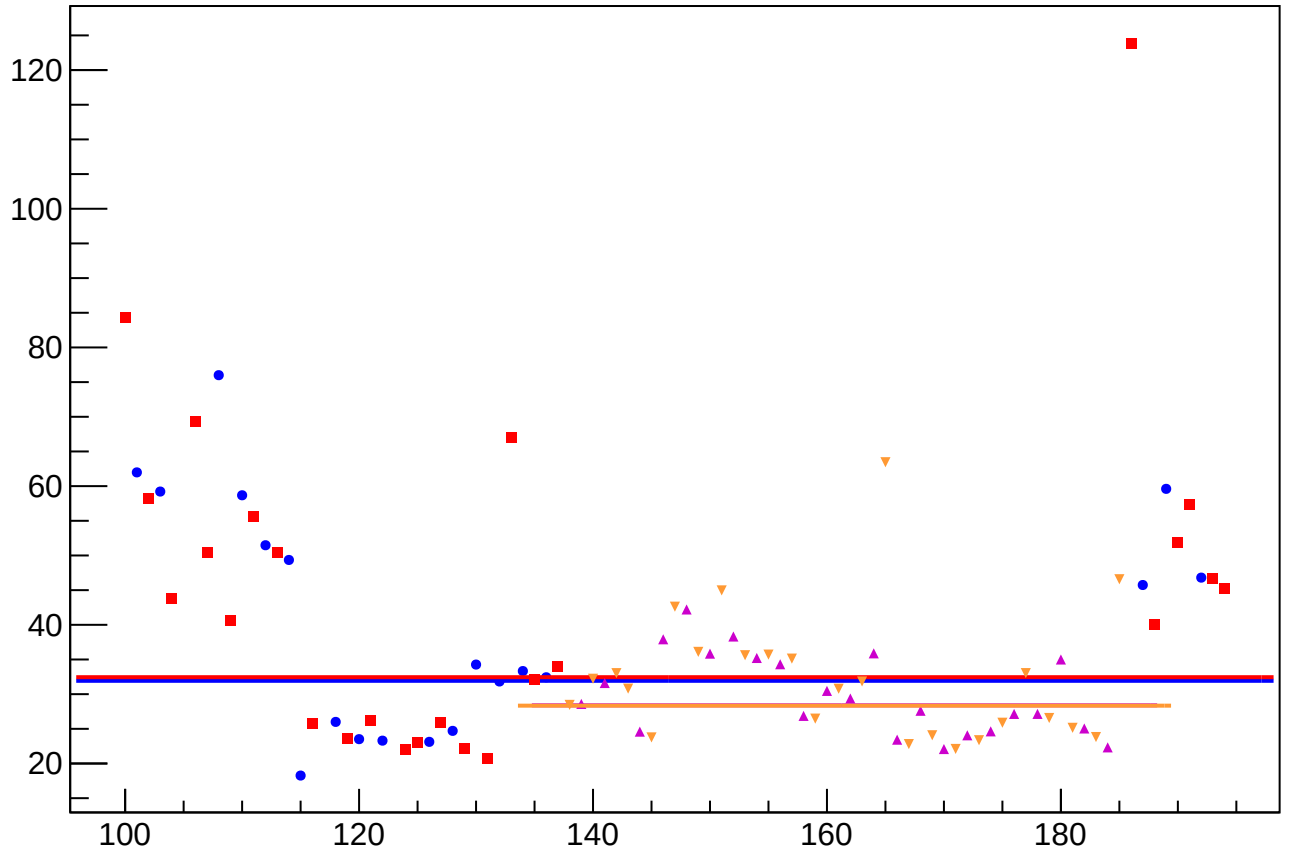
Right Out: -0.003+/-0.011 χ^2/NDF: 24.3/24

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.5/43

All: -0.008+/-0.004 χ^2/NDF: 106.3/91

- sign 0.002+/-0.006 χ^2/NDF: 43.4/47



Right In: 31.926+/-0.008 χ^2/NDF: 2167447.6/18

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

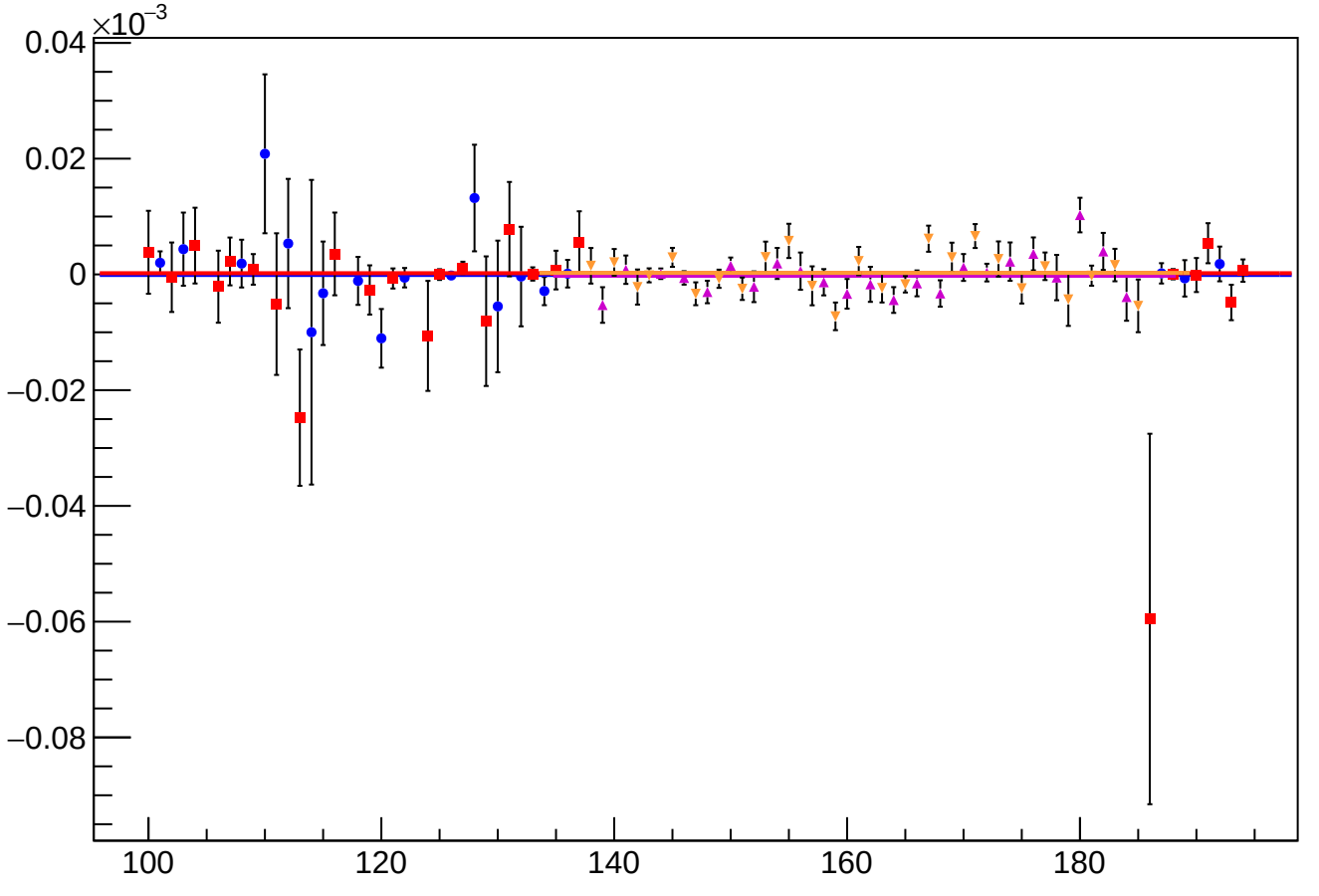
Right Out: 32.446+/-0.008 χ^2/NDF: 2928334.2/24

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

\+ sign 29.219+/-0.004 χ^2/NDF: 4042467.2/43

All: 29.397+/-0.003 χ^2/NDF: 8277365.3/91

\- sign 29.573+/-0.004 χ^2/NDF: 4231174.3/47



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/18

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

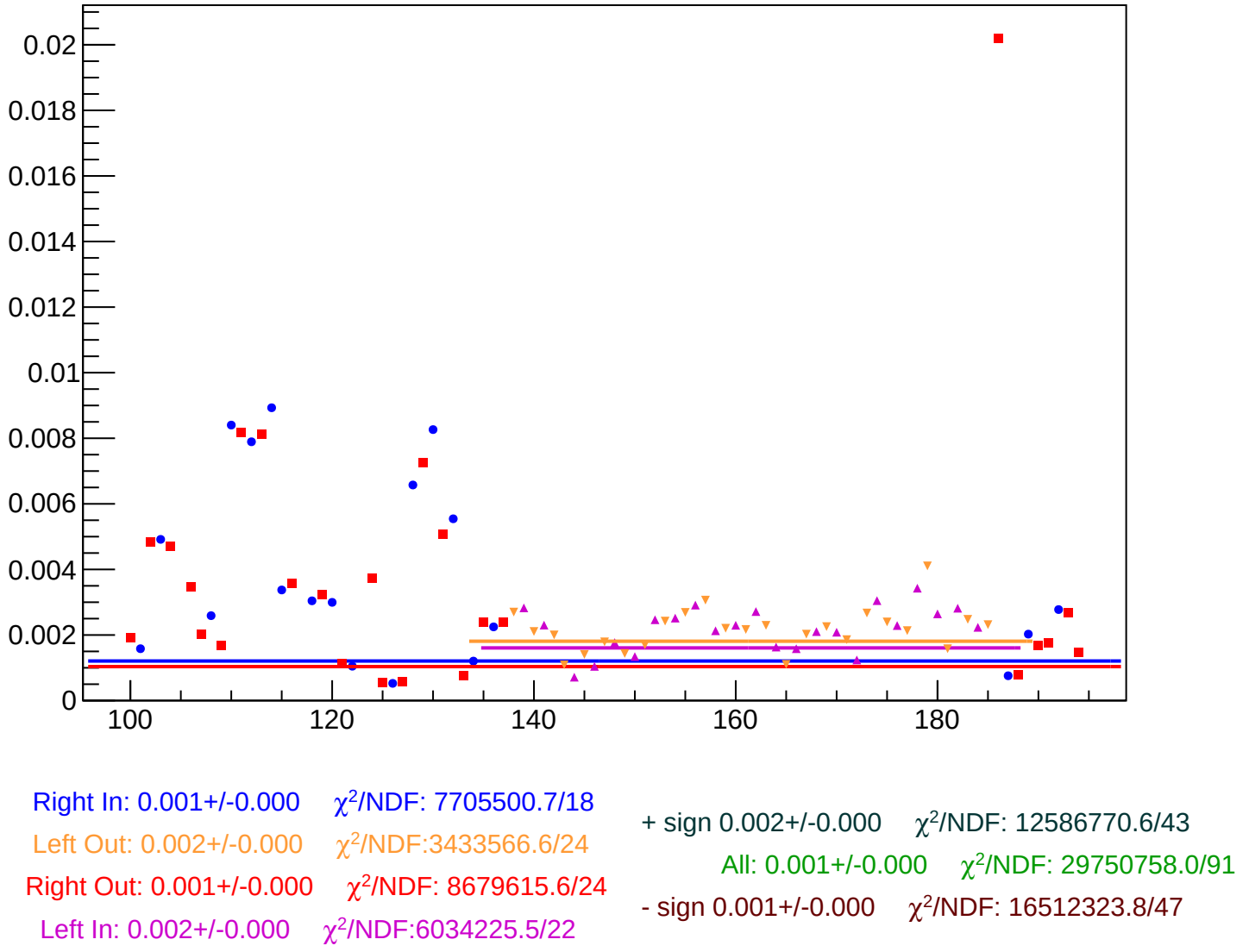
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/24

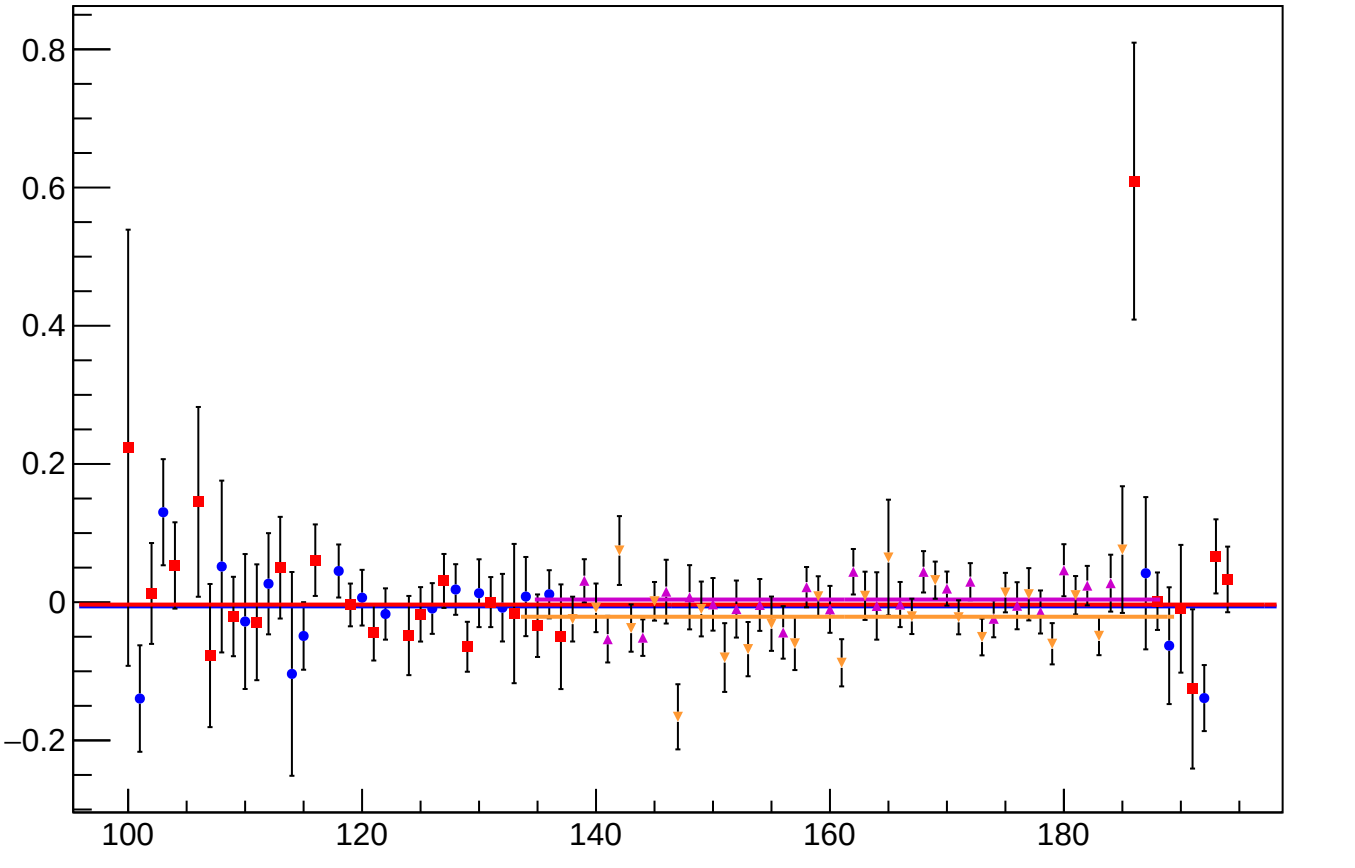
Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.6/43

All: 0.000+/-0.000 χ^2/NDF: 118.5/91

- sign -0.000+/-0.000 χ^2/NDF: 53.8/47


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: 8679615.6/24
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: 29750758.0/91
- sign 0.001+/-0.000 χ²/NDF: 16512323.8/47



Right In: -0.006+/-0.012 χ^2/NDF: 19.1/18

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

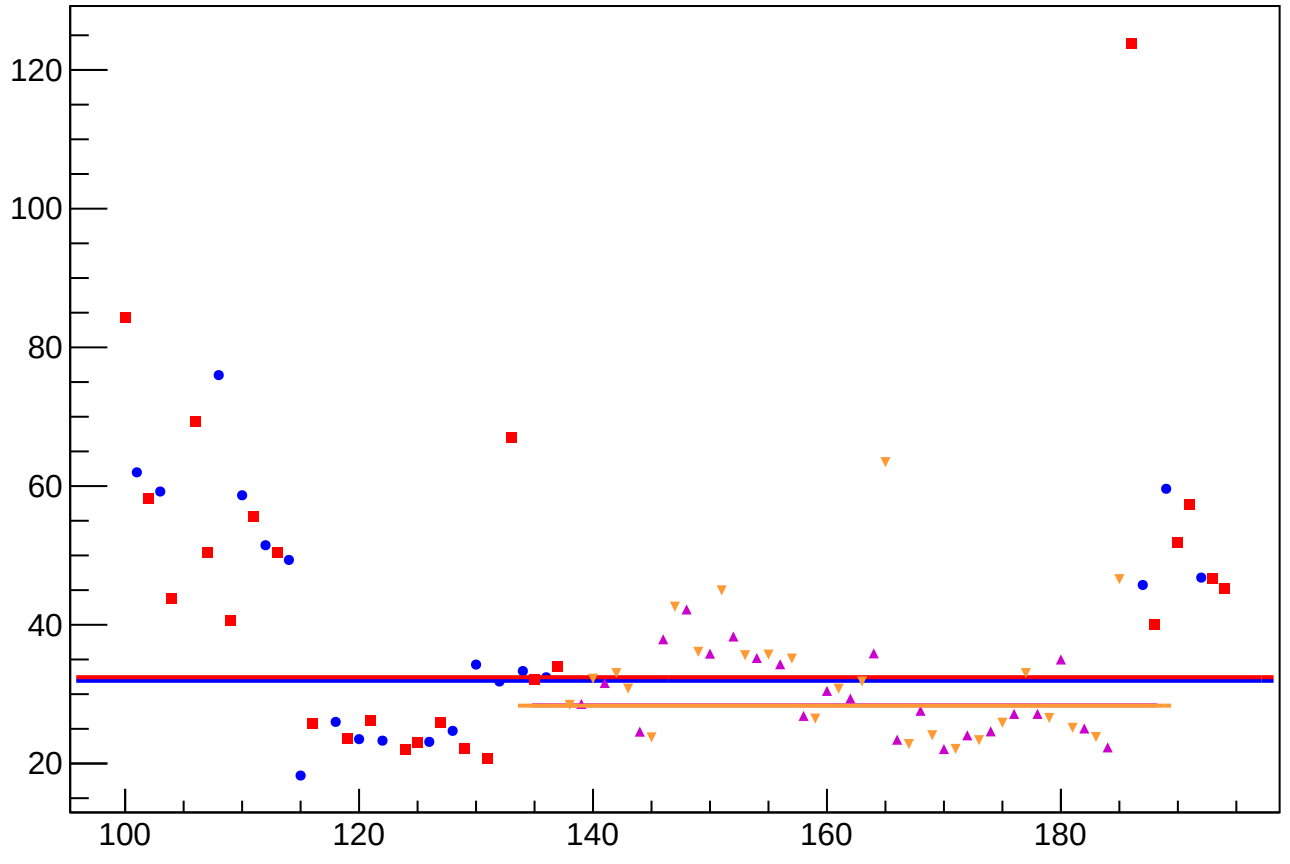
Right Out: -0.003+/-0.011 χ^2/NDF: 24.3/24

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.006 χ^2/NDF: 57.5/43

All: -0.008+/-0.004 χ^2/NDF: 106.3/91

- sign 0.002+/-0.006 χ^2/NDF: 43.4/47



Right In: 31.926+/-0.008 χ^2/NDF: 2167297.6/18

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

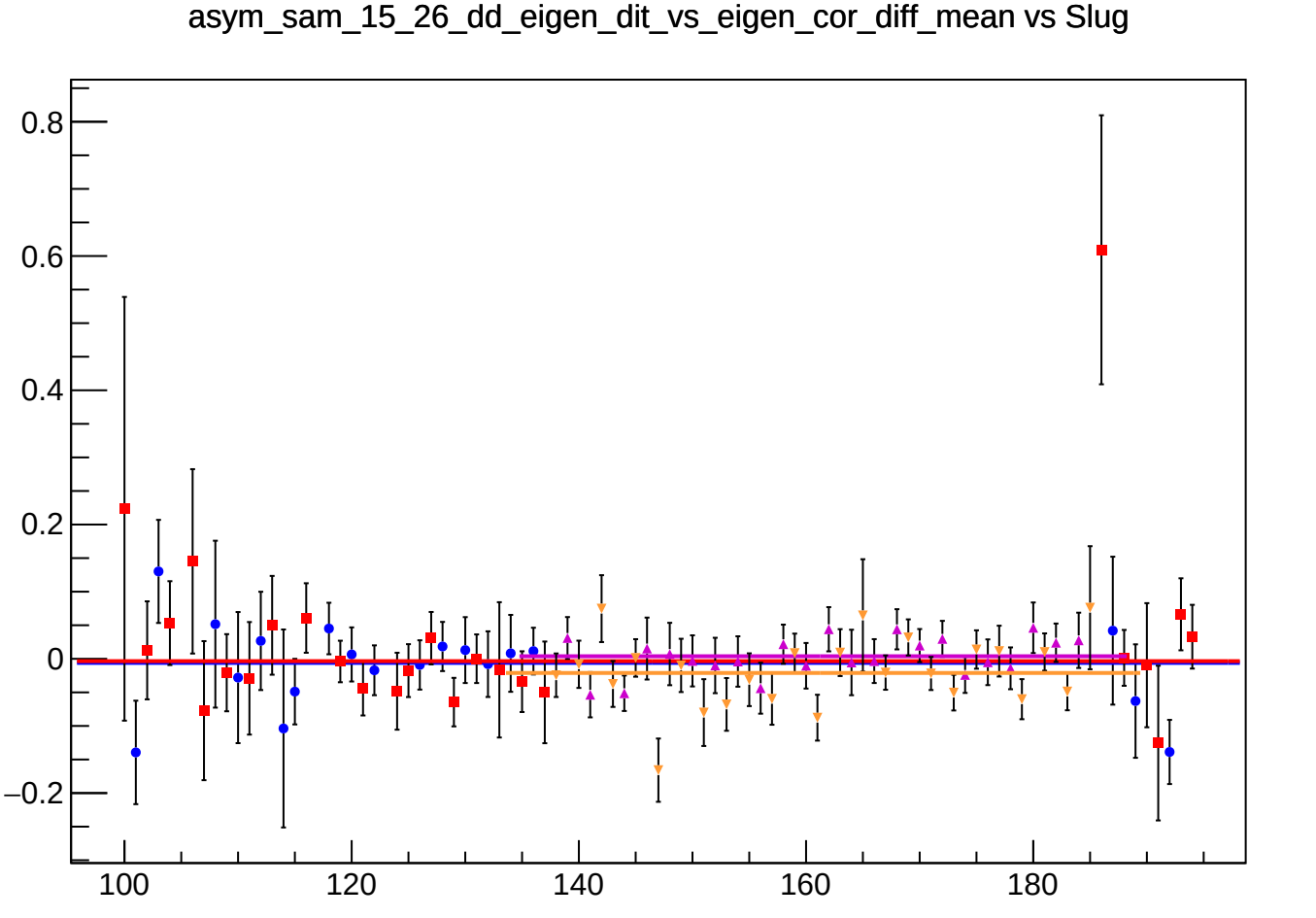
Right Out: 32.445+/-0.008 χ^2/NDF: 2928354.4/24

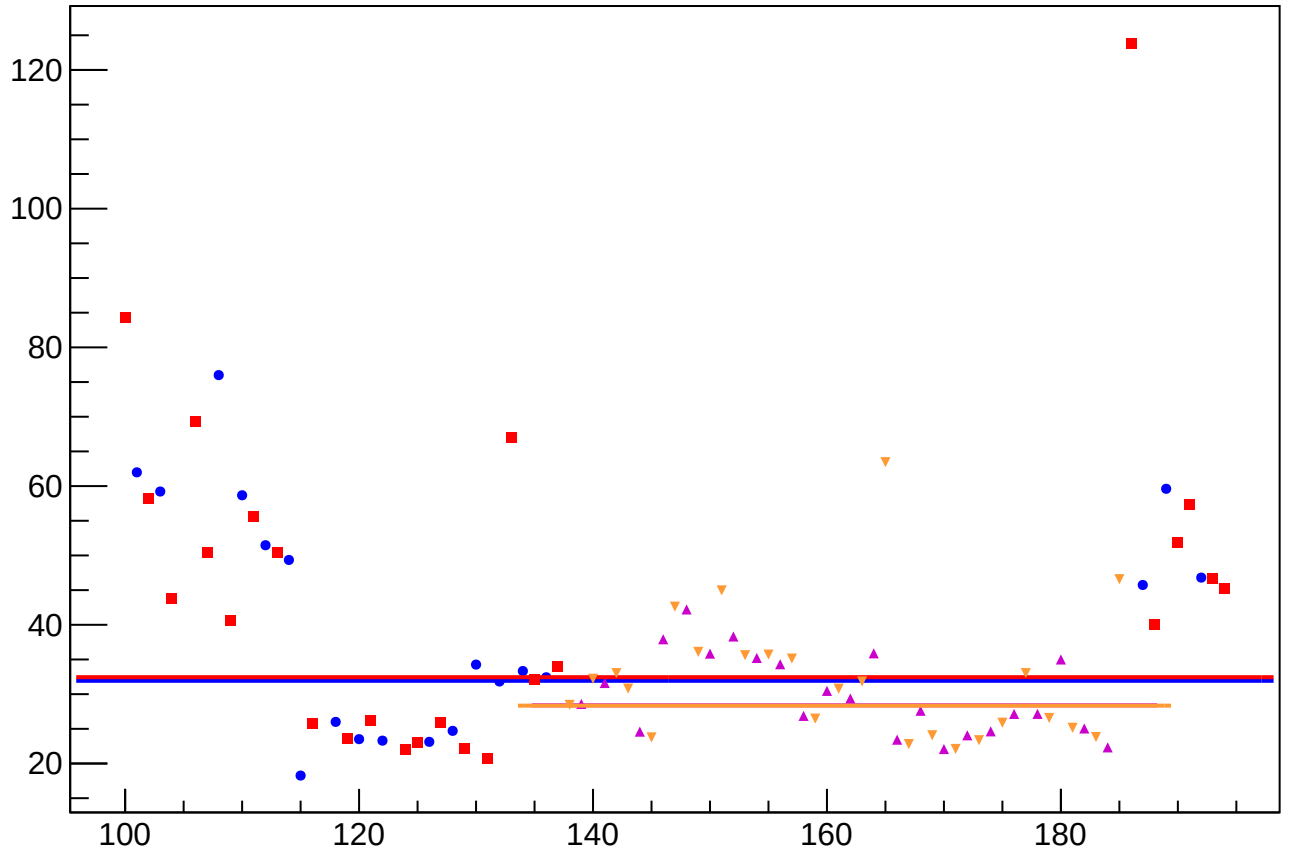
Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 29.220+/-0.004 χ^2/NDF: 4042309.5/43

All: 29.397+/-0.003 χ^2/NDF: 8277156.6/91

- sign 29.573+/-0.004 χ^2/NDF: 4231123.4/47


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
Right In: -0.006+/-0.012 χ²/NDF: 19.1/18
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: -0.003+/-0.011 χ²/NDF: 24.3/24
Left In: 0.004+/-0.007 χ²/NDF:18.7/22
+ sign -0.017+/-0.006 χ²/NDF: 57.5/43
All: -0.008+/-0.004 χ²/NDF: 106.3/91
- sign 0.002+/-0.006 χ²/NDF: 43.4/47



Right In: 31.926+/-0.008 χ^2/NDF: 2167297.6/18

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

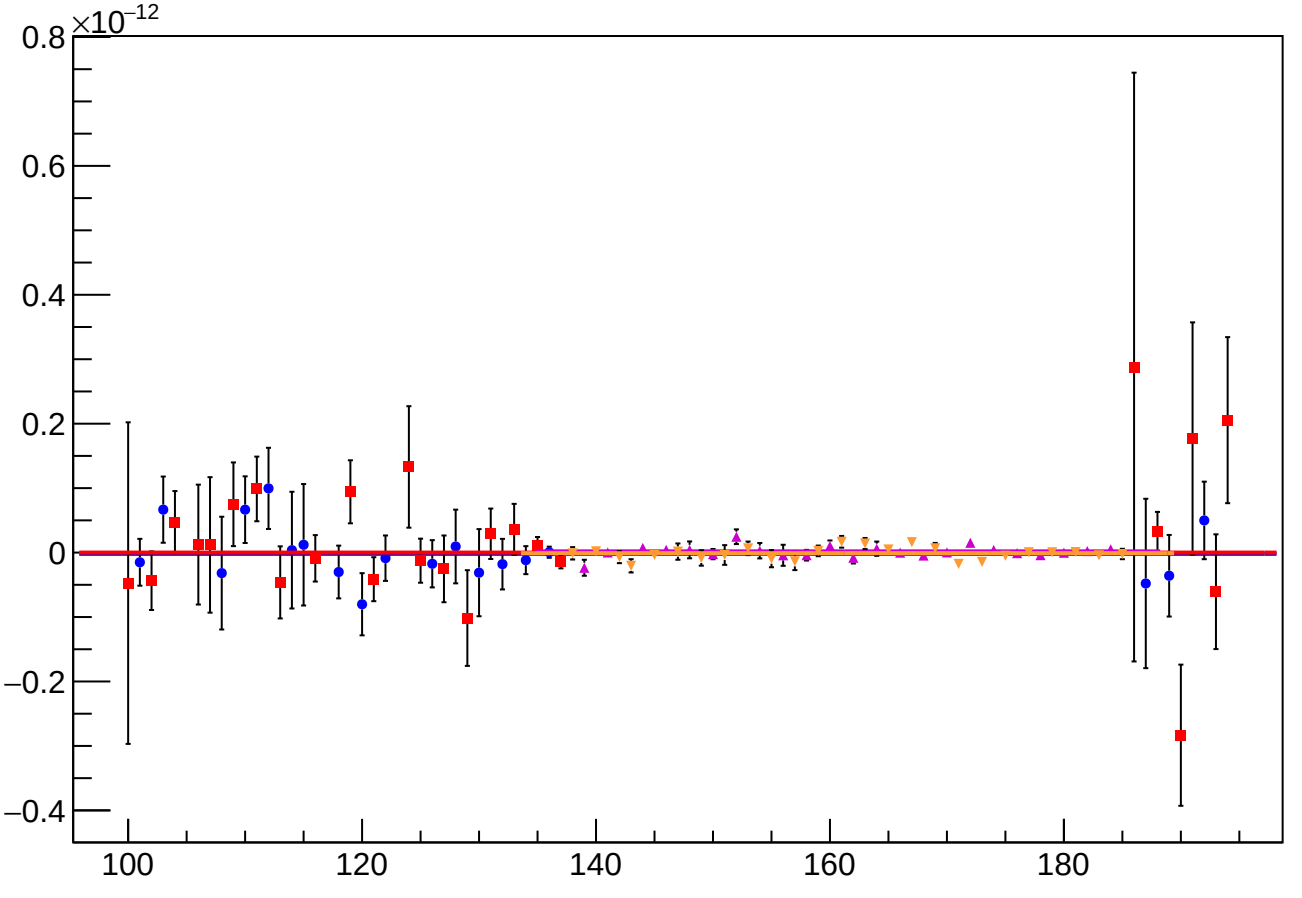
Right Out: 32.445+/-0.008 χ^2/NDF: 2928354.4/24

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 29.220+/-0.004 χ^2/NDF: 4042309.5/43

All: 29.397+/-0.003 χ^2/NDF: 8277156.6/91

\- sign 29.573+/-0.004 χ^2/NDF: 4231123.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

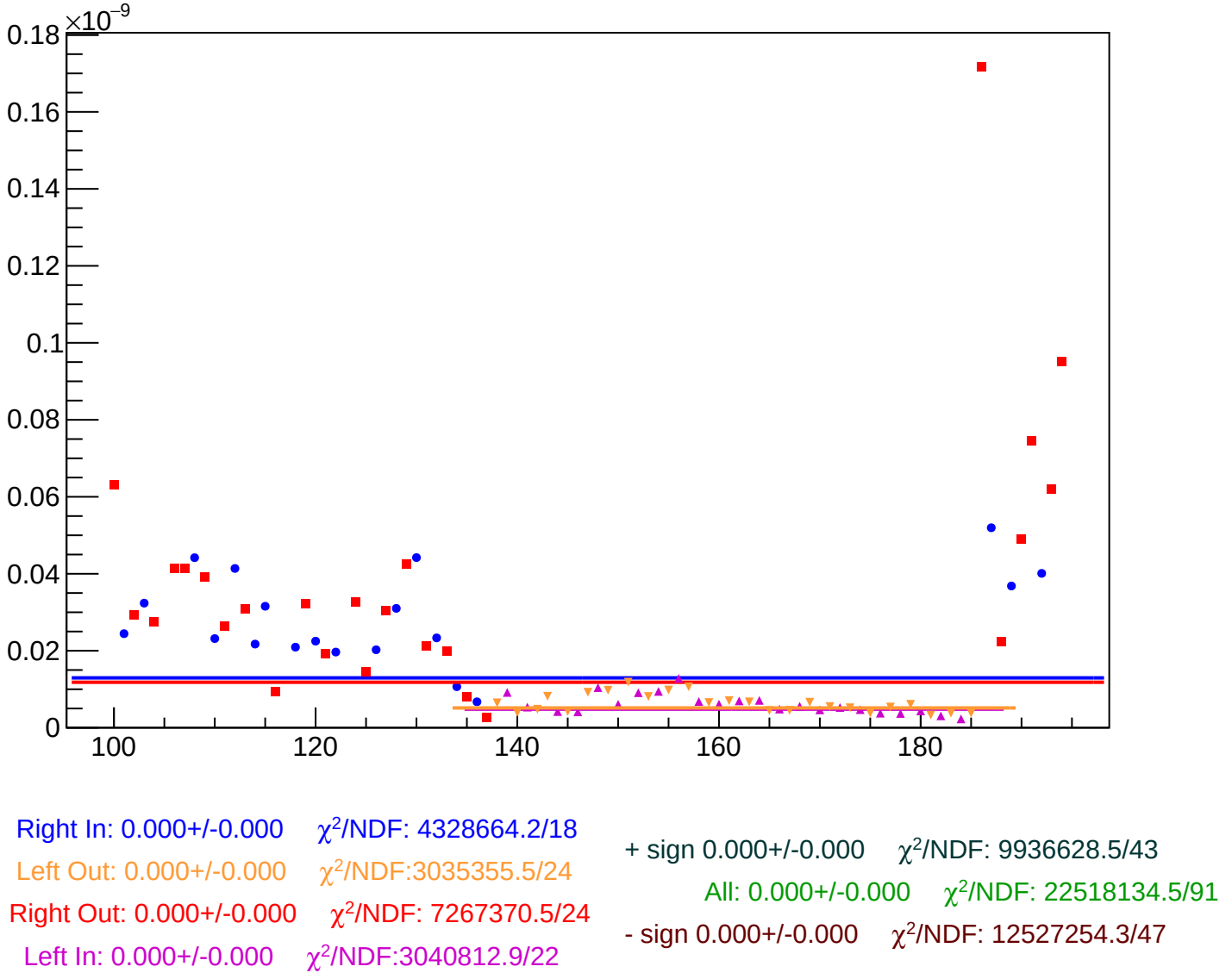
Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/24

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

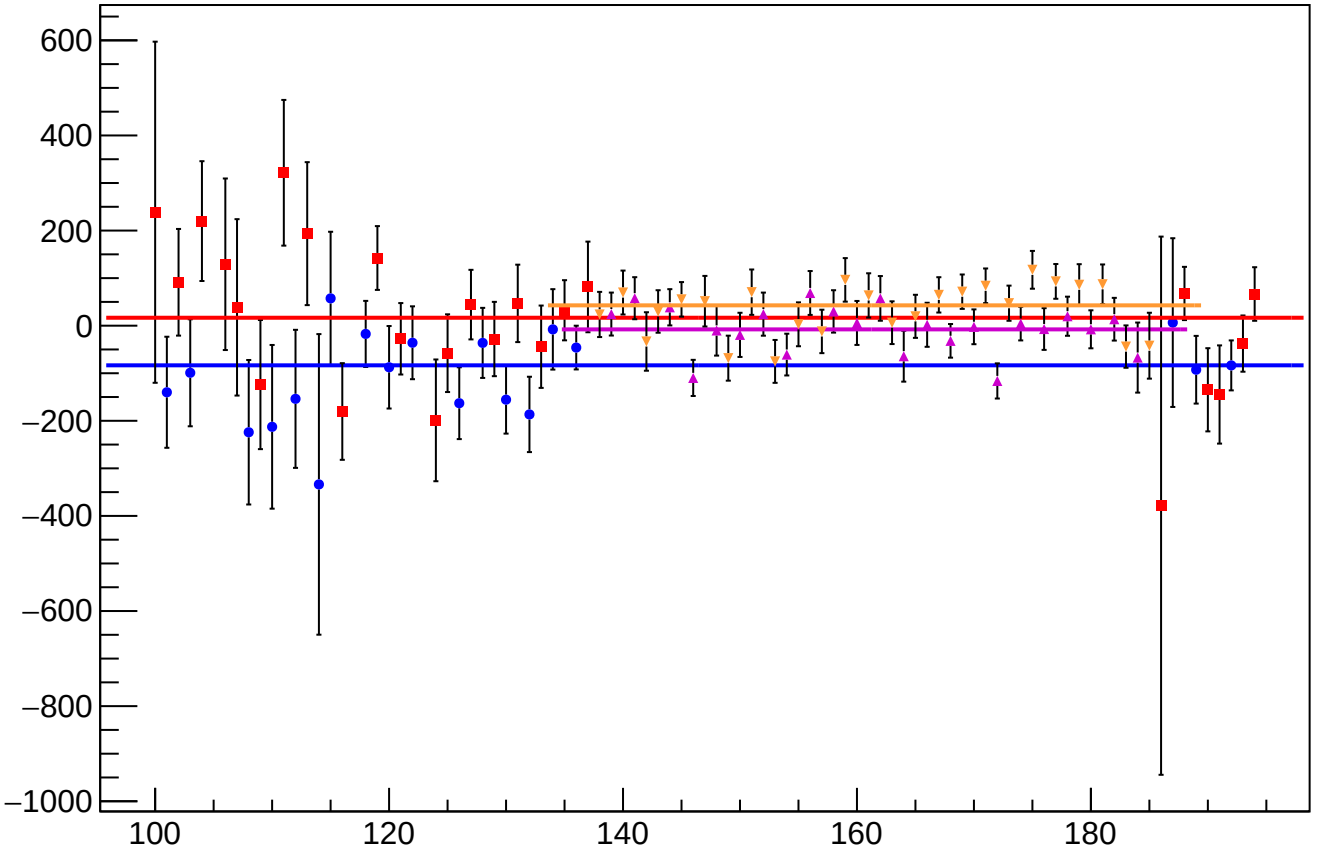
+ sign -0.000+/-0.000 χ^2/NDF: 45.7/43

All: 0.000+/-0.000 χ^2/NDF: 100.8/91

- sign 0.000+/-0.000 χ^2/NDF: 53.2/47


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
Right In: 0.000+/-0.000 χ²/NDF: 4328664.2/18
Left Out: 0.000+/-0.000 χ²/NDF:3035355.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 7267370.5/24
Left In: 0.000+/-0.000 χ²/NDF:3040812.9/22
+ sign 0.000+/-0.000 χ²/NDF: 9936628.5/43
All: 0.000+/-0.000 χ²/NDF: 22518134.5/91
- sign 0.000+/-0.000 χ²/NDF: 12527254.3/47

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -83.360+/-19.007 χ^2/NDF: 10.8/18

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 16.703+/-17.672 χ^2/NDF: 31.6/24

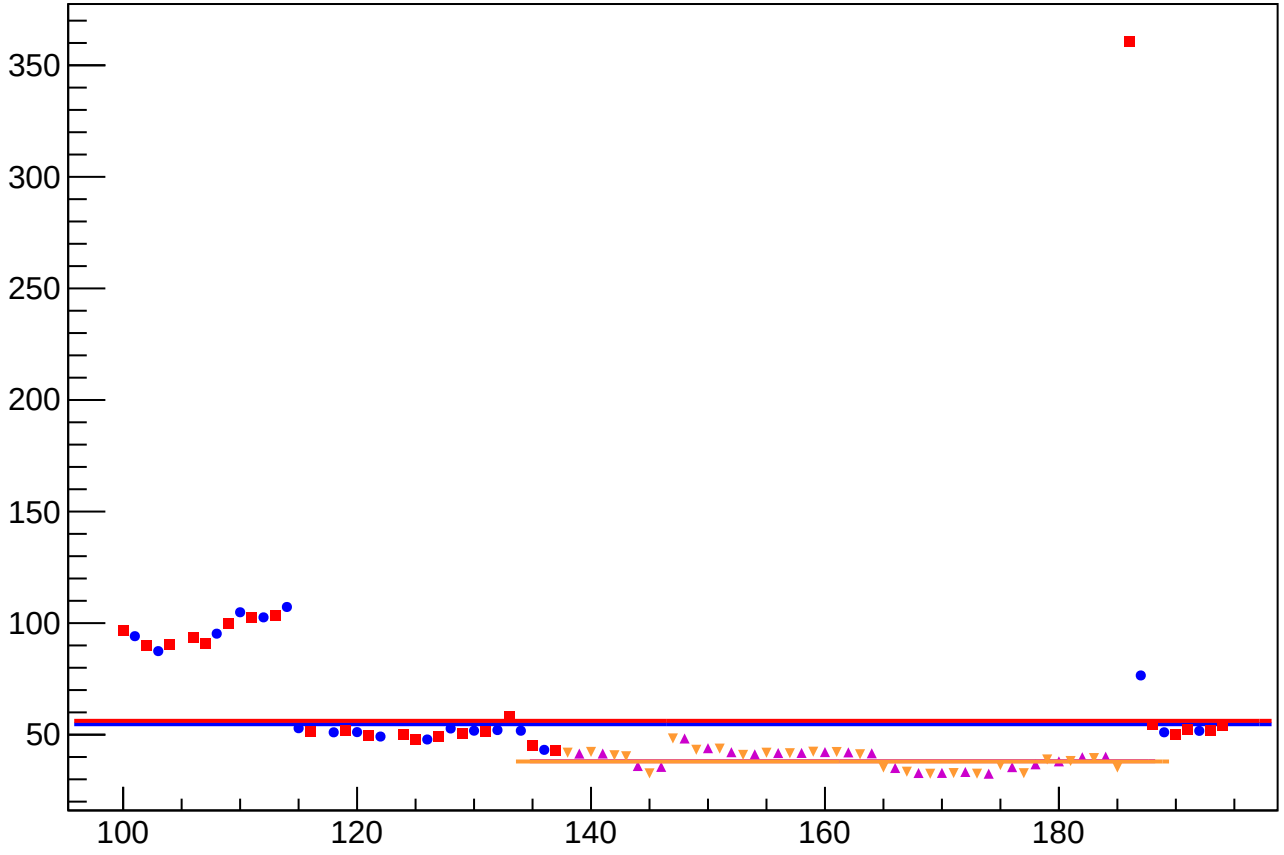
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 20.924+/-7.909 χ^2/NDF: 82.0/43

All: 9.218+/-5.625 χ^2/NDF: 150.1/91

- sign -2.763+/-8.002 χ^2/NDF: 63.7/47

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

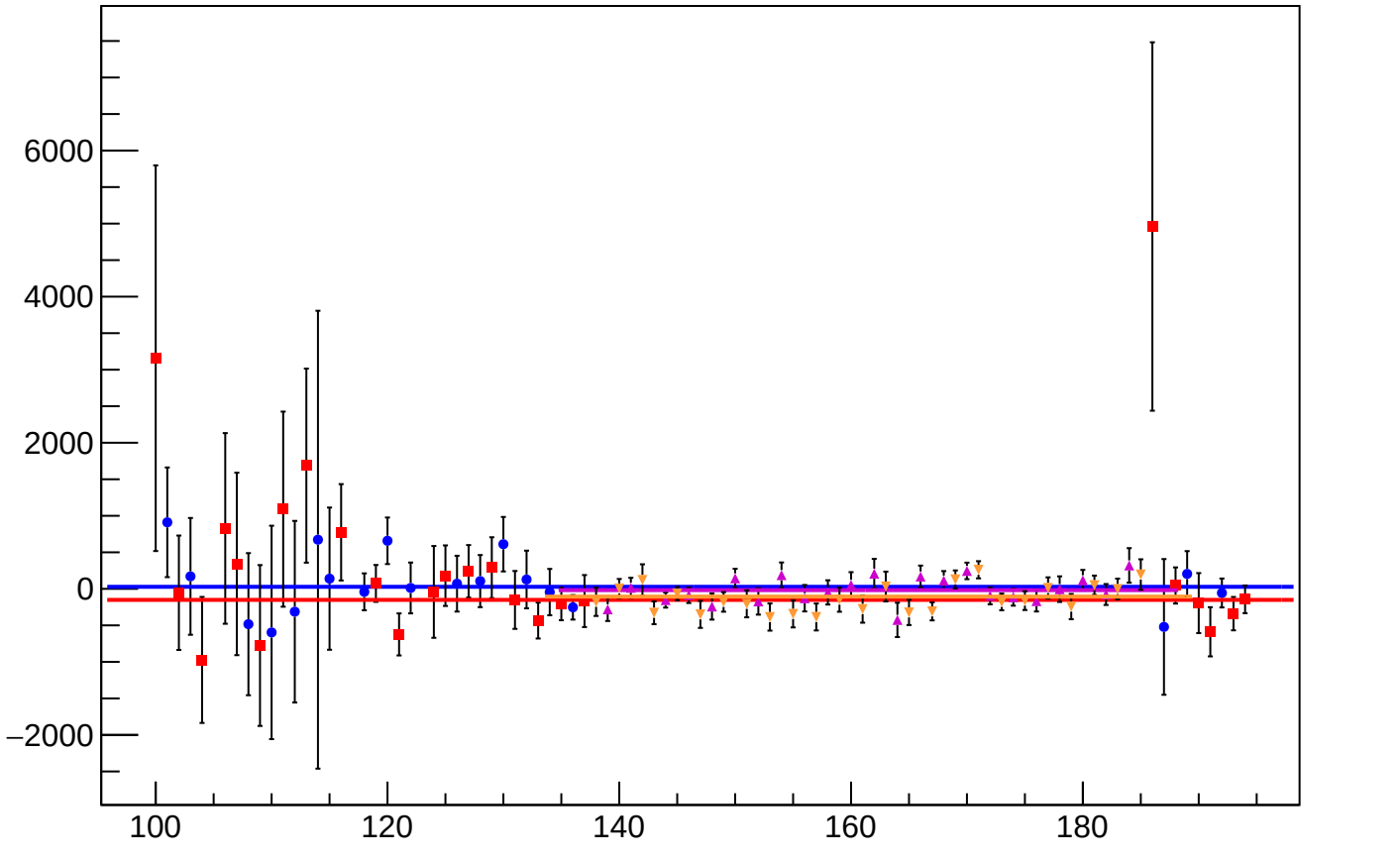
Right Out: 56.210+/-0.012 χ^2/NDF: 1896254.5/24

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.882+/-0.006 χ^2/NDF: 2986367.5/43

All: 41.355+/-0.004 χ^2/NDF: 6989062.9/91

- sign 41.839+/-0.006 χ^2/NDF: 3988236.5/47



Right In: 27.823+/-81.323 χ^2/NDF: 12.3/18

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -151.207+/-73.106 χ^2/NDF: 23.3/24

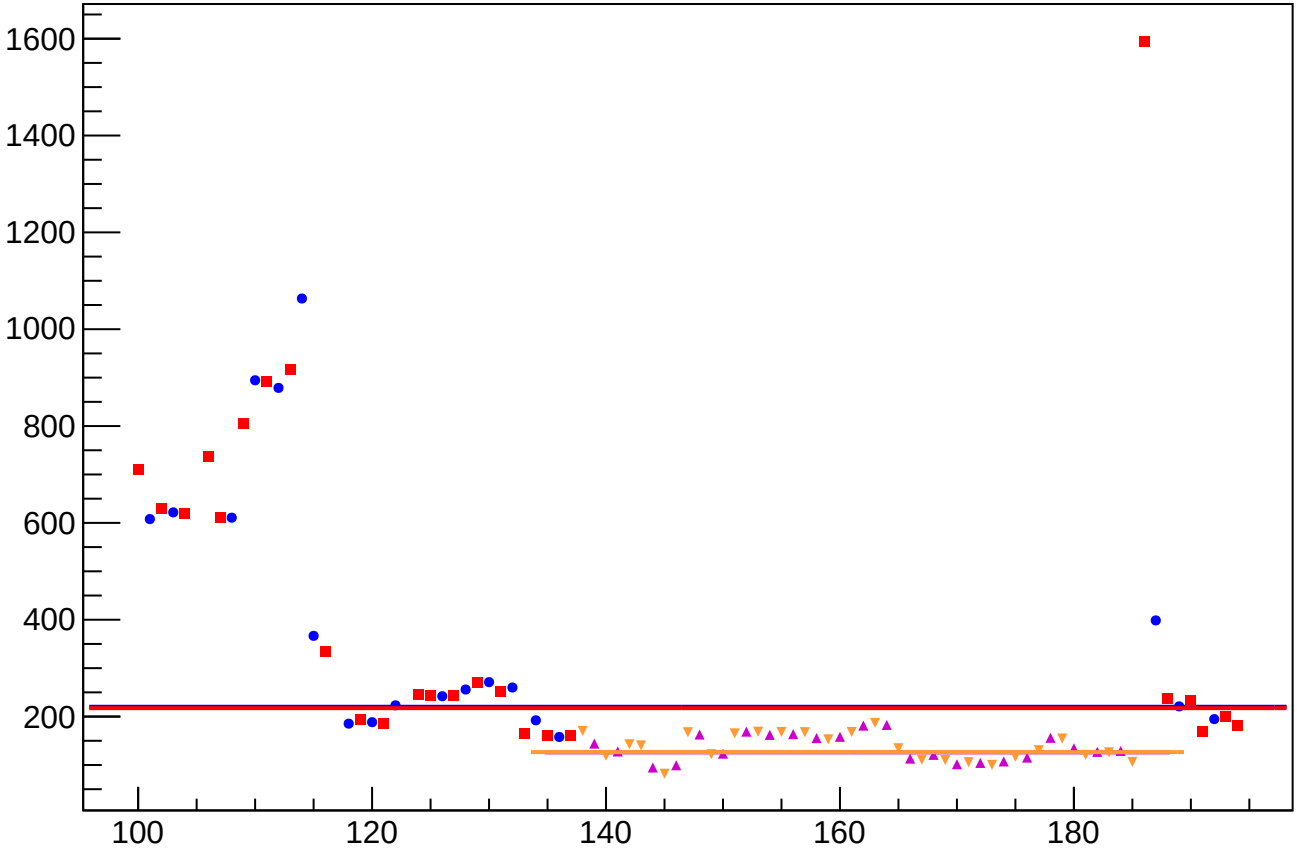
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -90.826+/-27.784 χ^2/NDF: 52.3/43

All: -64.020+/-19.687 χ^2/NDF: 108.5/91

- sign -36.989+/-27.901 χ^2/NDF: 54.4/47

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: 217.382+/-0.052 χ^2/NDF: 4394486.2/24

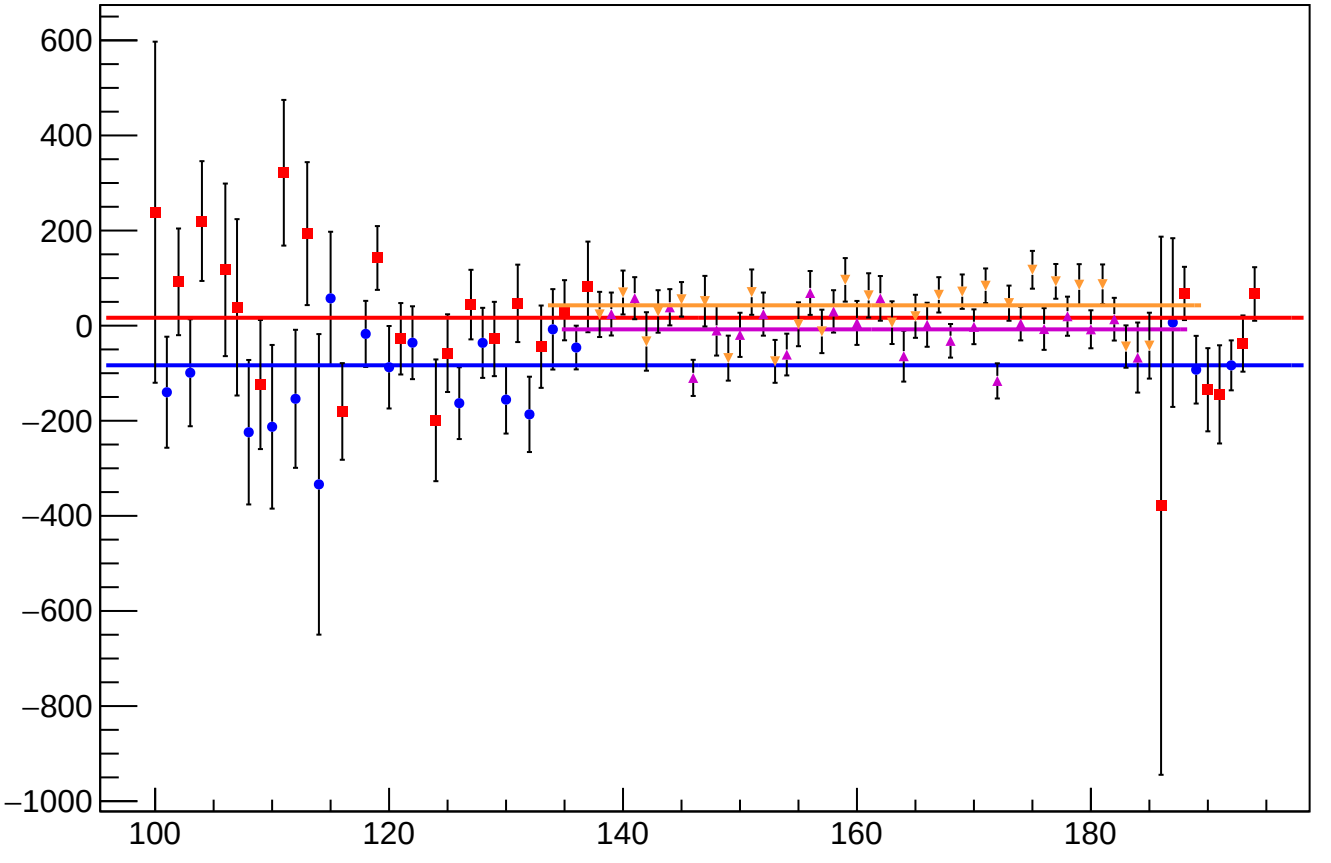
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 137.495+/-0.020 χ^2/NDF: 7180190.0/43

All: 138.405+/-0.014 χ^2/NDF: 15658677.6/91

- sign 139.322+/-0.020 χ^2/NDF: 8474183.7/47

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.357+/-19.007 χ^2/NDF: 10.8/18

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 16.604+/-17.673 χ^2/NDF: 31.5/24

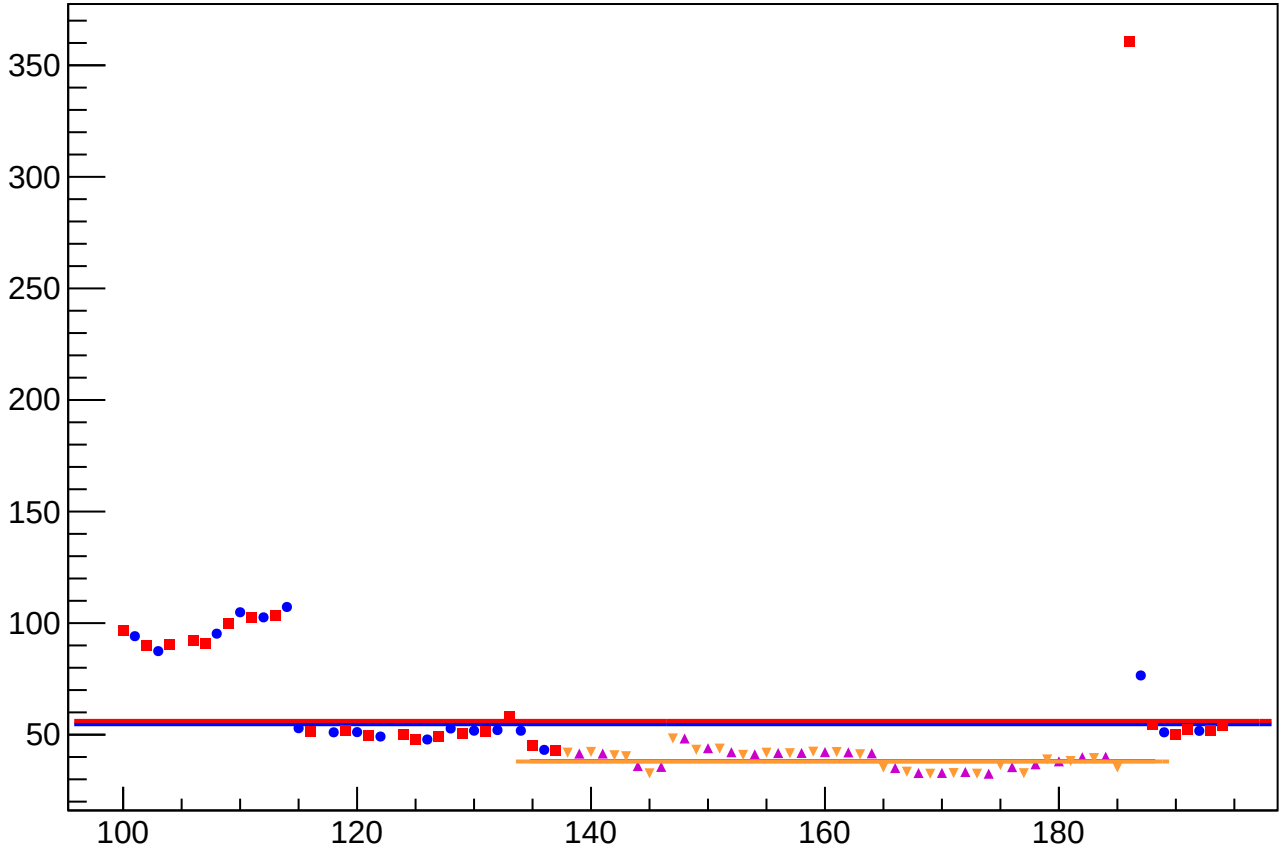
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 20.927+/-7.909 χ^2/NDF: 82.0/43

All: 9.209+/-5.625 χ^2/NDF: 150.0/91

- sign -2.785+/-8.002 χ^2/NDF: 63.6/47

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

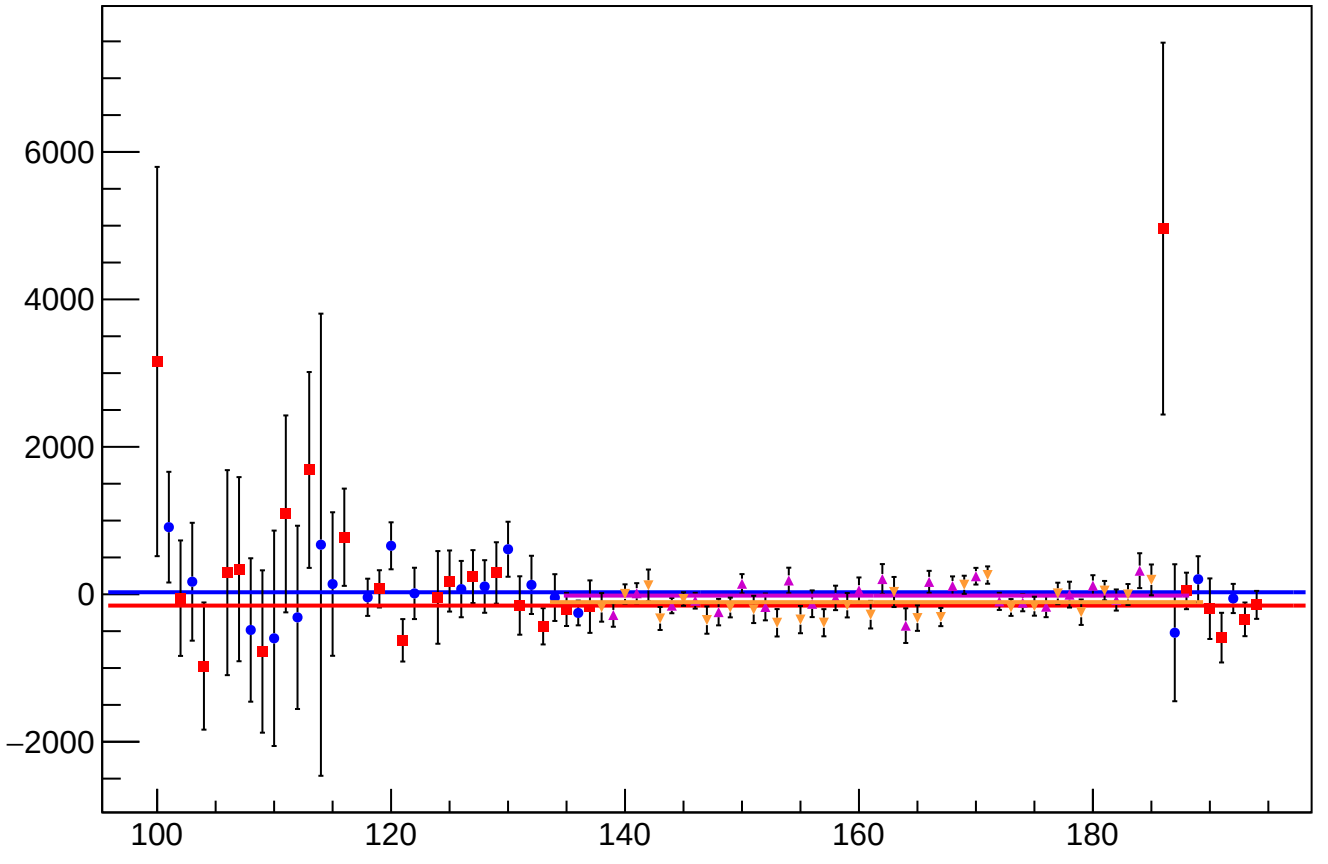
Right Out: 56.191+/-0.012 χ^2/NDF: 1888538.2/24

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.882+/-0.006 χ^2/NDF: 2986367.7/43

All: 41.353+/-0.004 χ^2/NDF: 6977621.1/91

- sign 41.835+/-0.006 χ^2/NDF: 3976921.2/47



Right In: 27.825+/-81.323 χ^2/NDF: 12.3/18

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -153.023+/-73.120 χ^2/NDF: 22.8/24

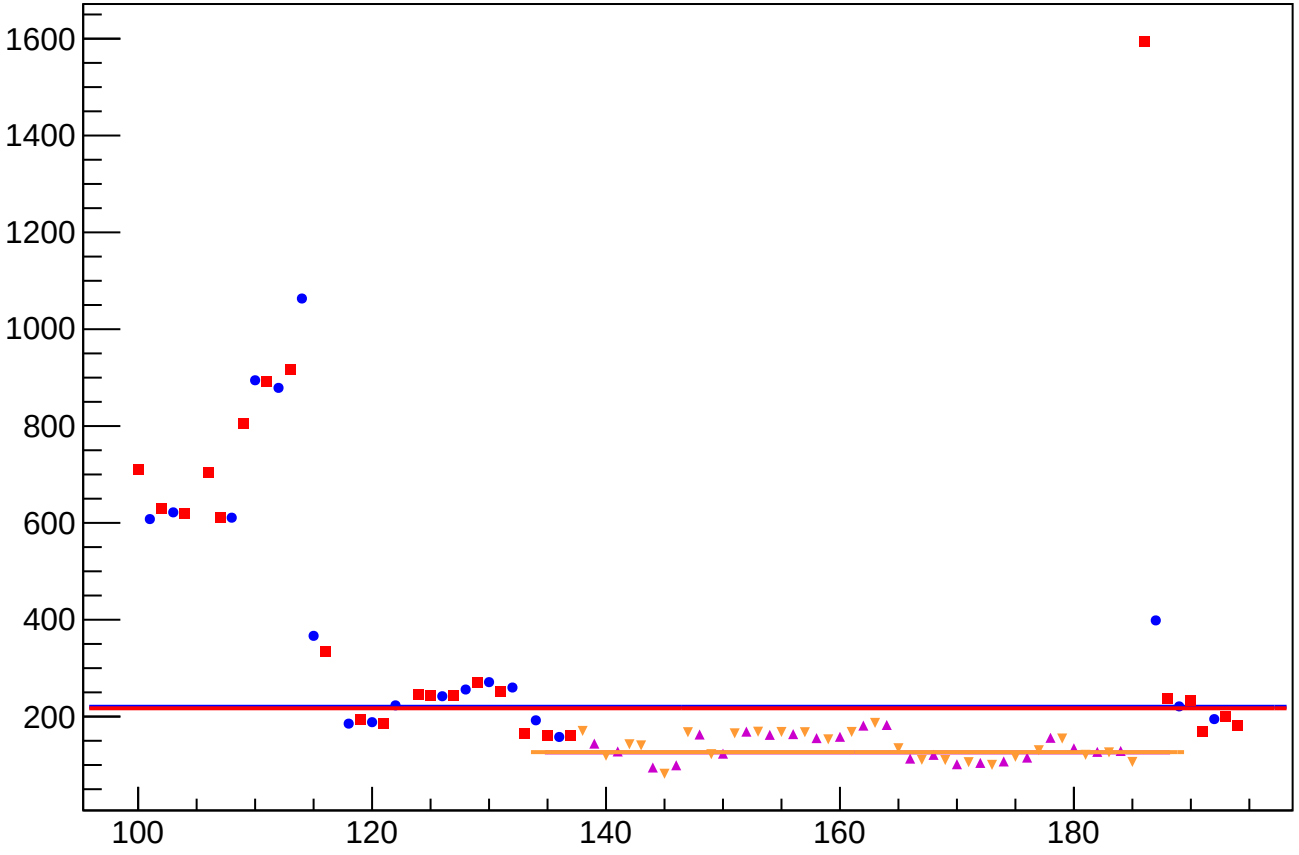
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -90.825+/-27.784 χ^2/NDF: 52.3/43

All: -64.149+/-19.688 χ^2/NDF: 108.1/91

- sign -37.248+/-27.901 χ^2/NDF: 54.0/47

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: 217.099+/-0.052 χ^2/NDF: 4323703.2/24

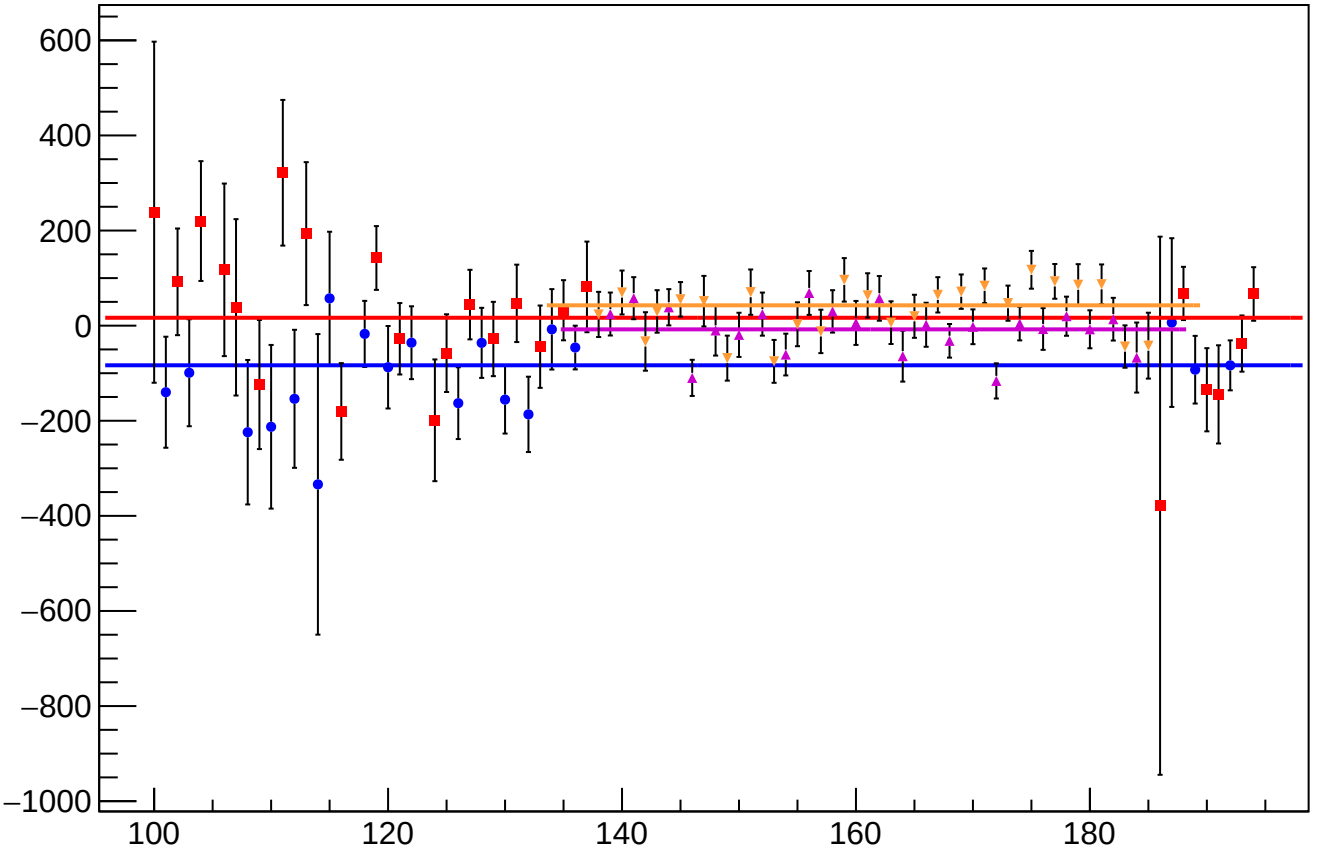
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 137.495+/-0.020 χ^2/NDF: 7180190.5/43

All: 138.382+/-0.014 χ^2/NDF: 15570323.7/91

- sign 139.276+/-0.020 χ^2/NDF: 8386041.9/47

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -83.357+/-19.007 χ^2/NDF: 10.8/18

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 16.604+/-17.673 χ^2/NDF: 31.5/24

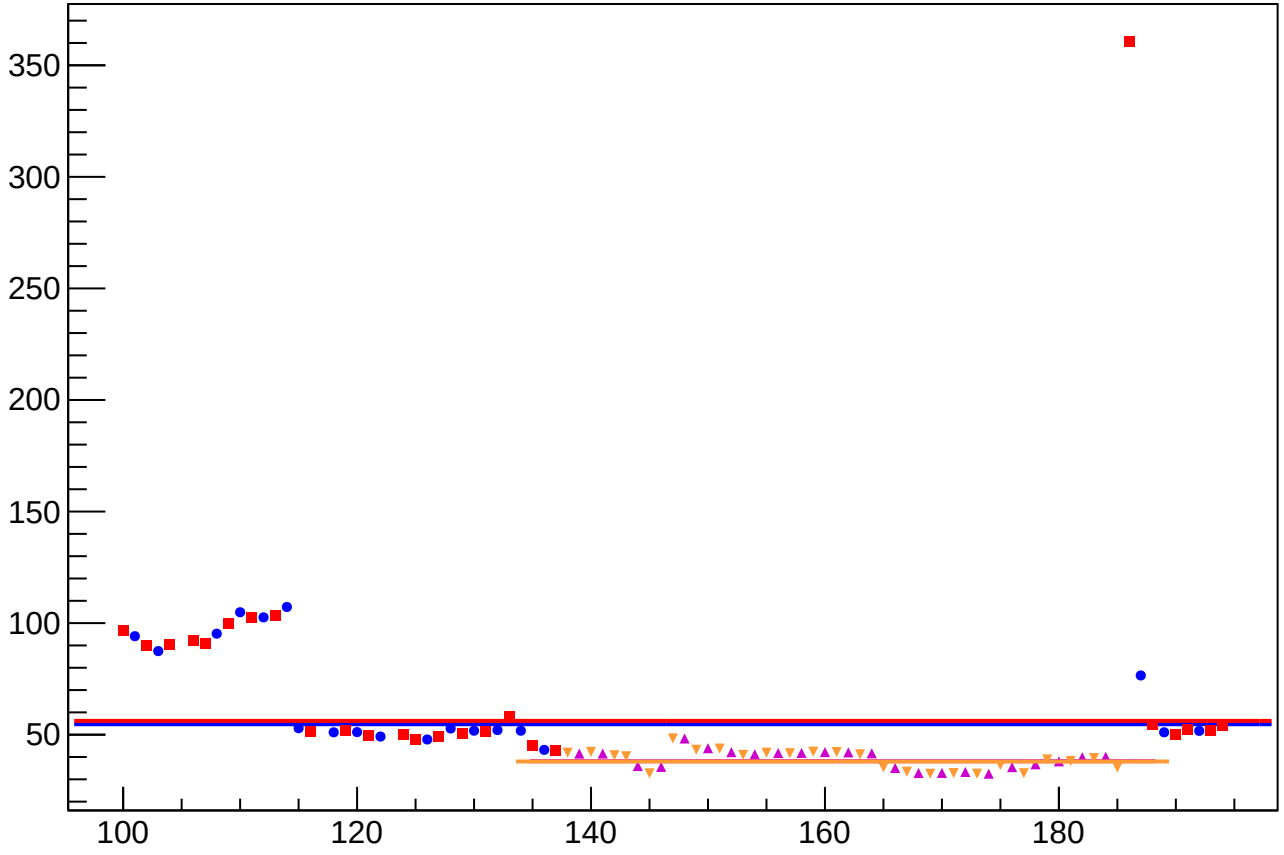
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 20.927+/-7.909 χ^2/NDF: 82.0/43

All: 9.209+/-5.625 χ^2/NDF: 150.0/91

- sign -2.785+/-8.002 χ^2/NDF: 63.6/47

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

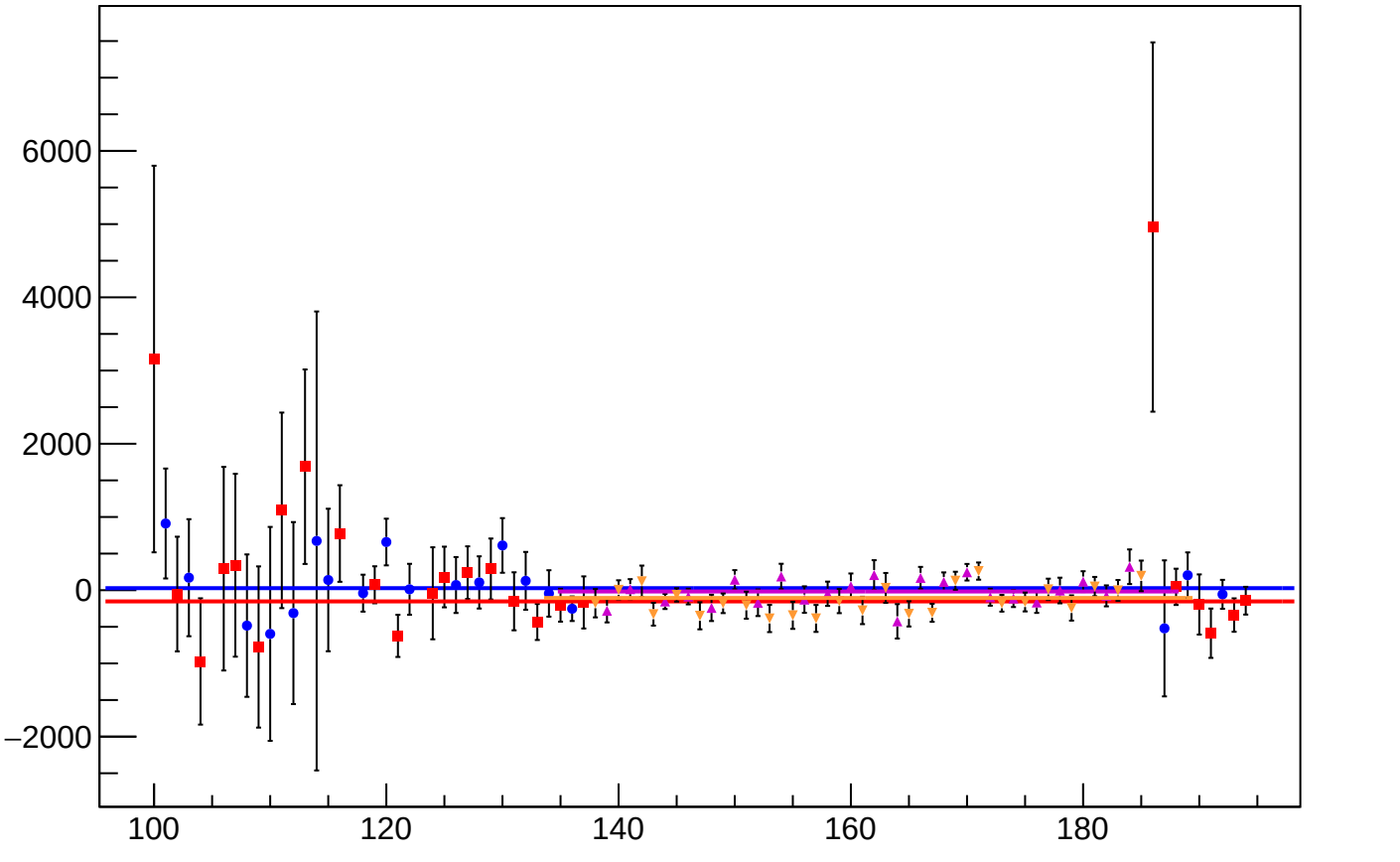
Right Out: 56.191+/-0.012 χ^2/NDF: 1888538.2/24

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.882+/-0.006 χ^2/NDF: 2986367.7/43

All: 41.353+/-0.004 χ^2/NDF: 6977621.1/91

- sign 41.835+/-0.006 χ^2/NDF: 3976921.2/47



Right In: 27.825+/-81.323 χ^2/NDF: 12.3/18

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -153.023+/-73.120 χ^2/NDF: 22.8/24

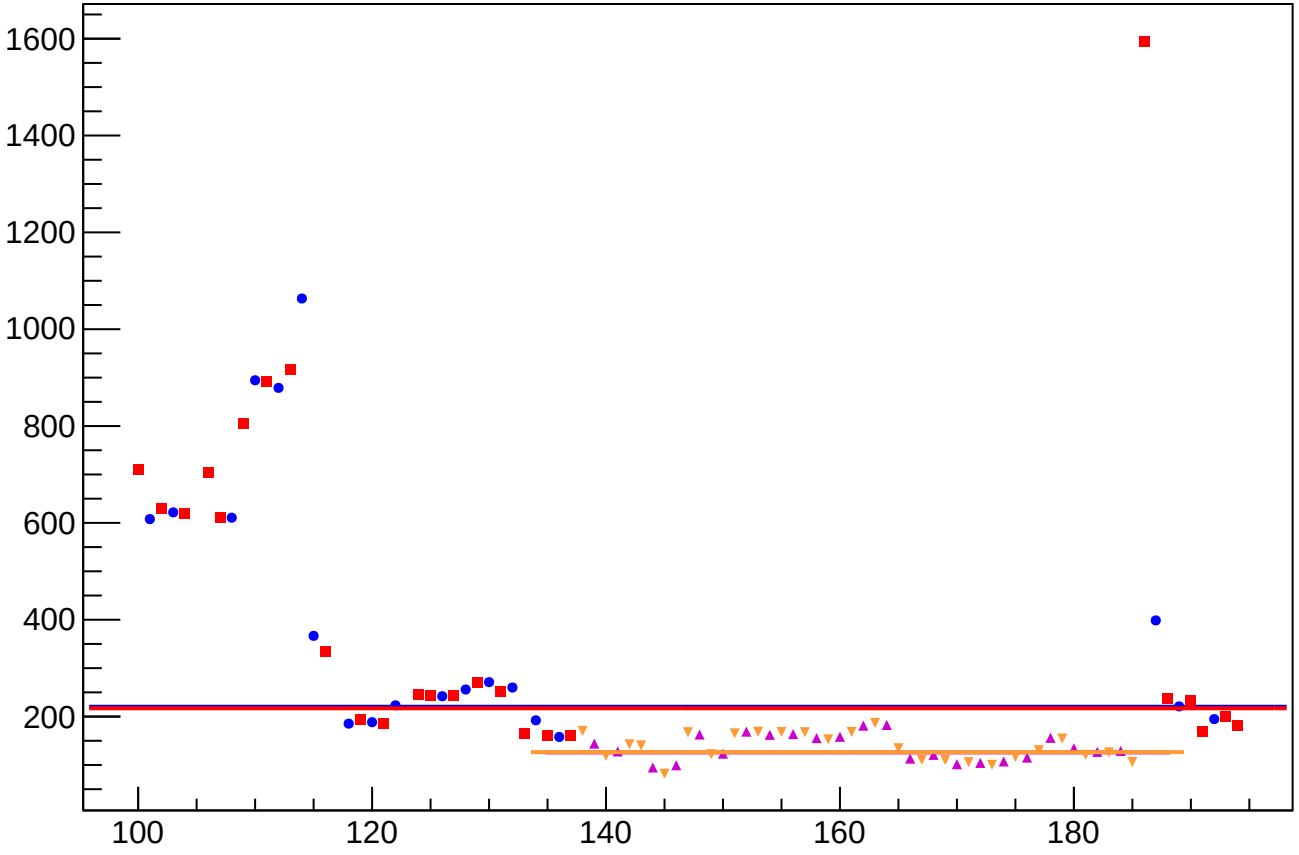
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

\+ sign -90.825+/-27.784 χ^2/NDF: 52.3/43

All: -64.149+/-19.688 χ^2/NDF: 108.1/91

\- sign -37.248+/-27.901 χ^2/NDF: 54.0/47

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

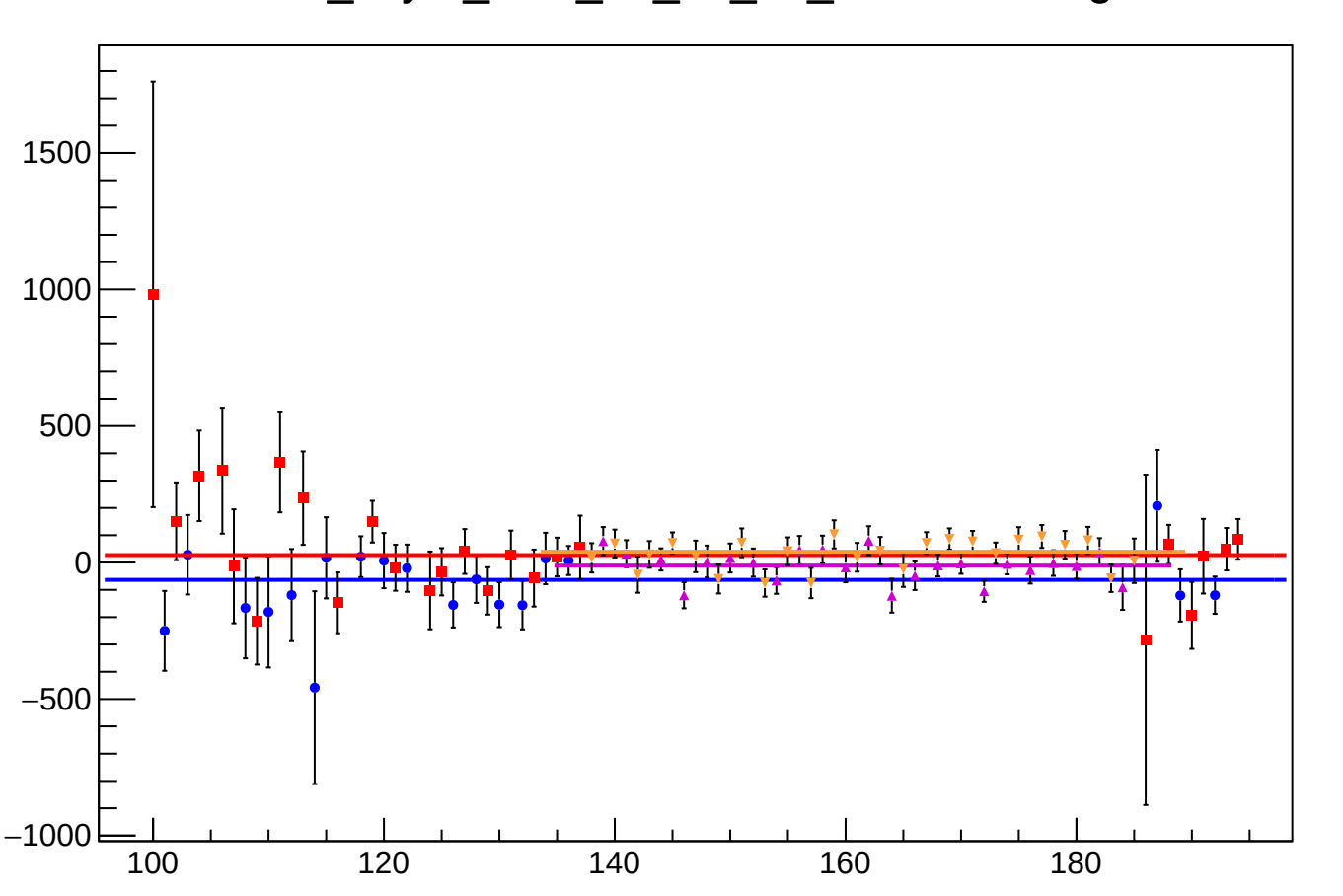
Right Out: 217.099+/-0.052 χ^2/NDF: 4323703.2/24

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 137.495+/-0.020 χ^2/NDF: 7180190.5/43

All: 138.382+/-0.014 χ^2/NDF: 15570323.7/91

- sign 139.276+/-0.020 χ^2/NDF: 8386041.9/47



Right In: -63.493+/-22.277 χ^2/NDF: 15.1/18

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 27.178+/-21.115 χ^2/NDF: 28.6/24

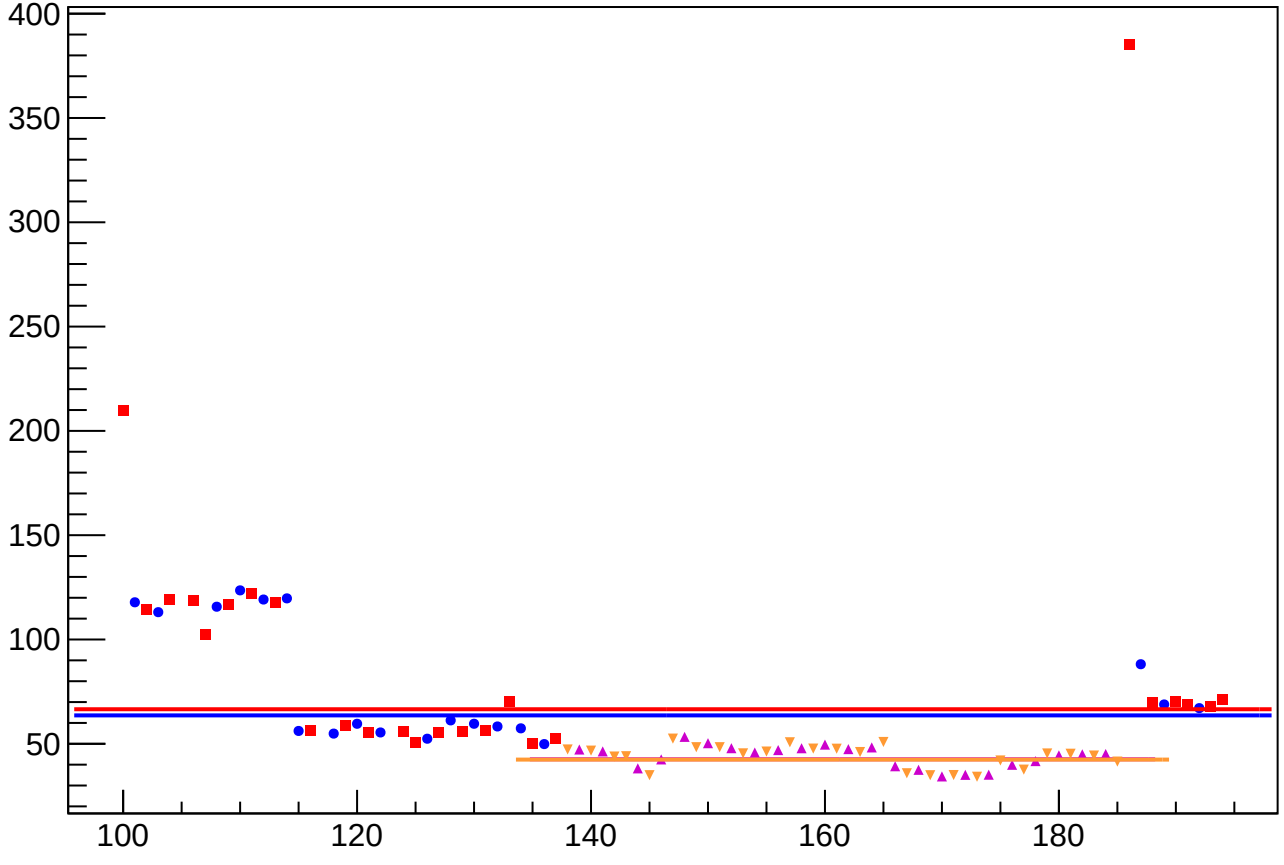
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 23.010+/-8.928 χ^2/NDF: 62.7/43

All: 9.672+/-6.371 χ^2/NDF: 126.5/91

- sign -4.167+/-9.094 χ^2/NDF: 59.2/47

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: 66.566+/-0.015 χ^2/NDF: 2172104.4/24

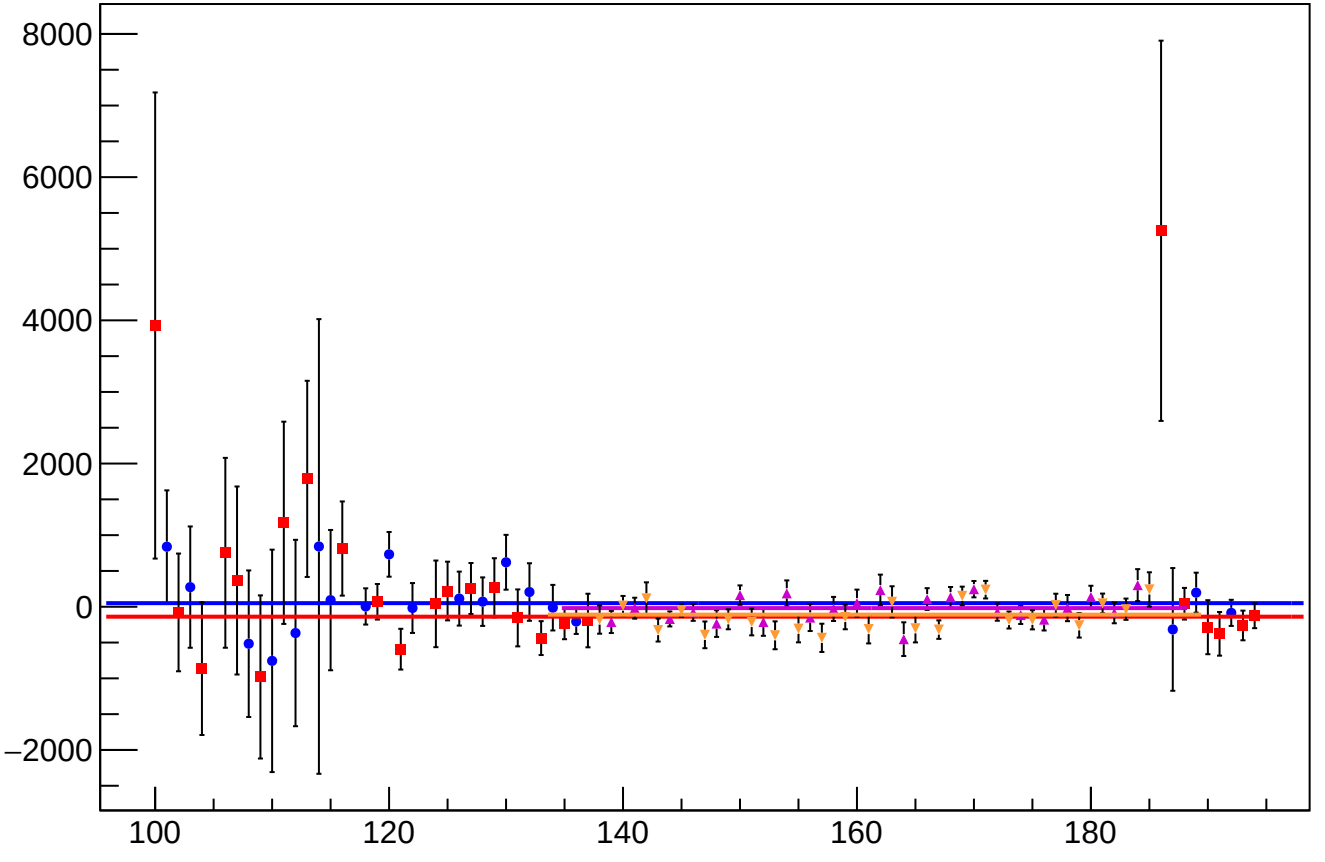
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 45.830+/-0.006 χ^2/NDF: 3610156.7/43

All: 46.418+/-0.005 χ^2/NDF: 8492103.8/91

- sign 47.029+/-0.006 χ^2/NDF: 4864246.5/47

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: -138.587+/-69.534 χ^2/NDF: 22.3/24

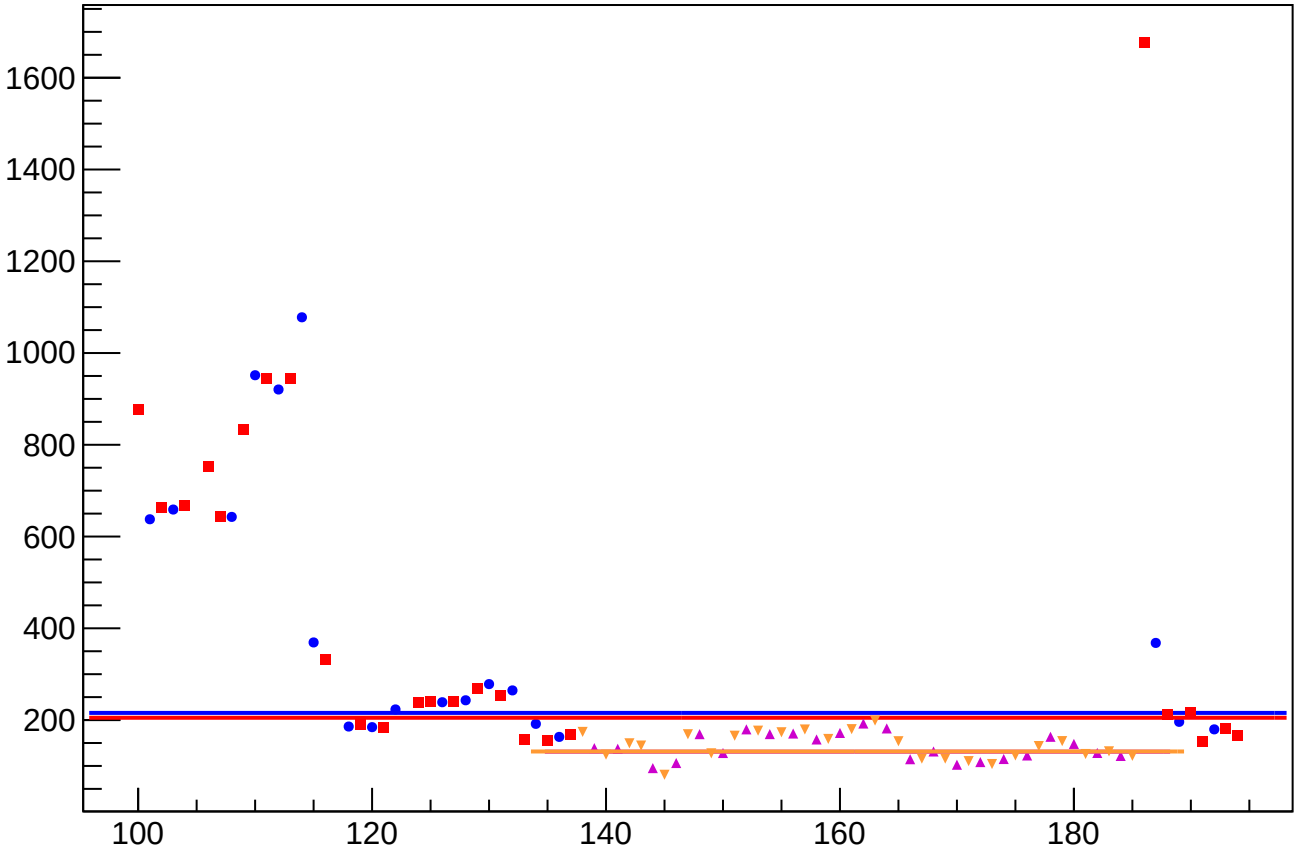
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -89.249+/-28.710 χ^2/NDF: 52.0/43

All: -64.196+/-20.289 χ^2/NDF: 105.5/91

- sign -39.204+/-28.675 χ^2/NDF: 51.9/47

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: 205.043+/-0.049 χ^2/NDF: 4719793.0/24

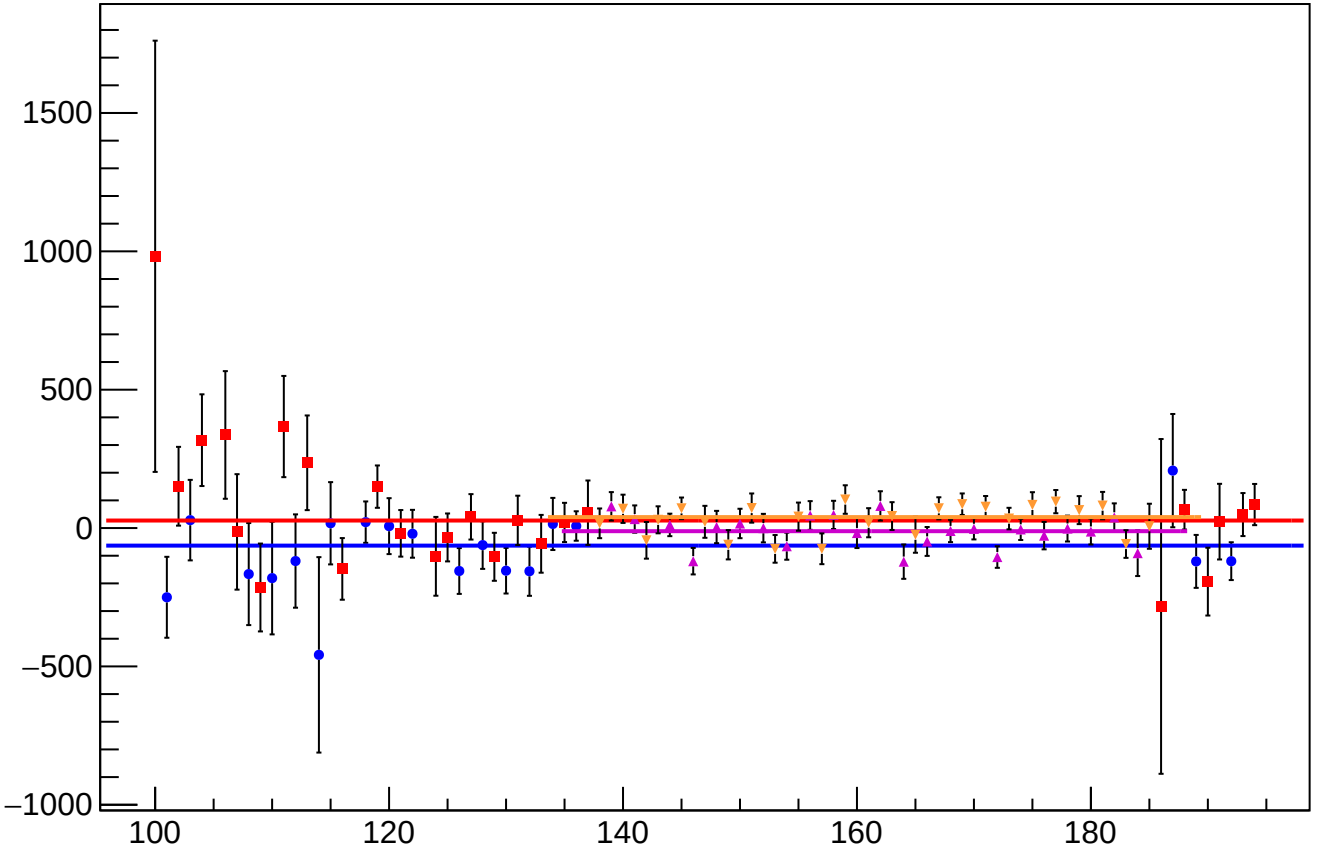
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 142.344+/-0.020 χ^2/NDF: 7026961.7/43

All: 143.000+/-0.014 χ^2/NDF: 15095015.4/91

- sign 143.654+/-0.020 χ^2/NDF: 8065969.5/47

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: 27.179+/-21.115 χ^2/NDF: 28.6/24

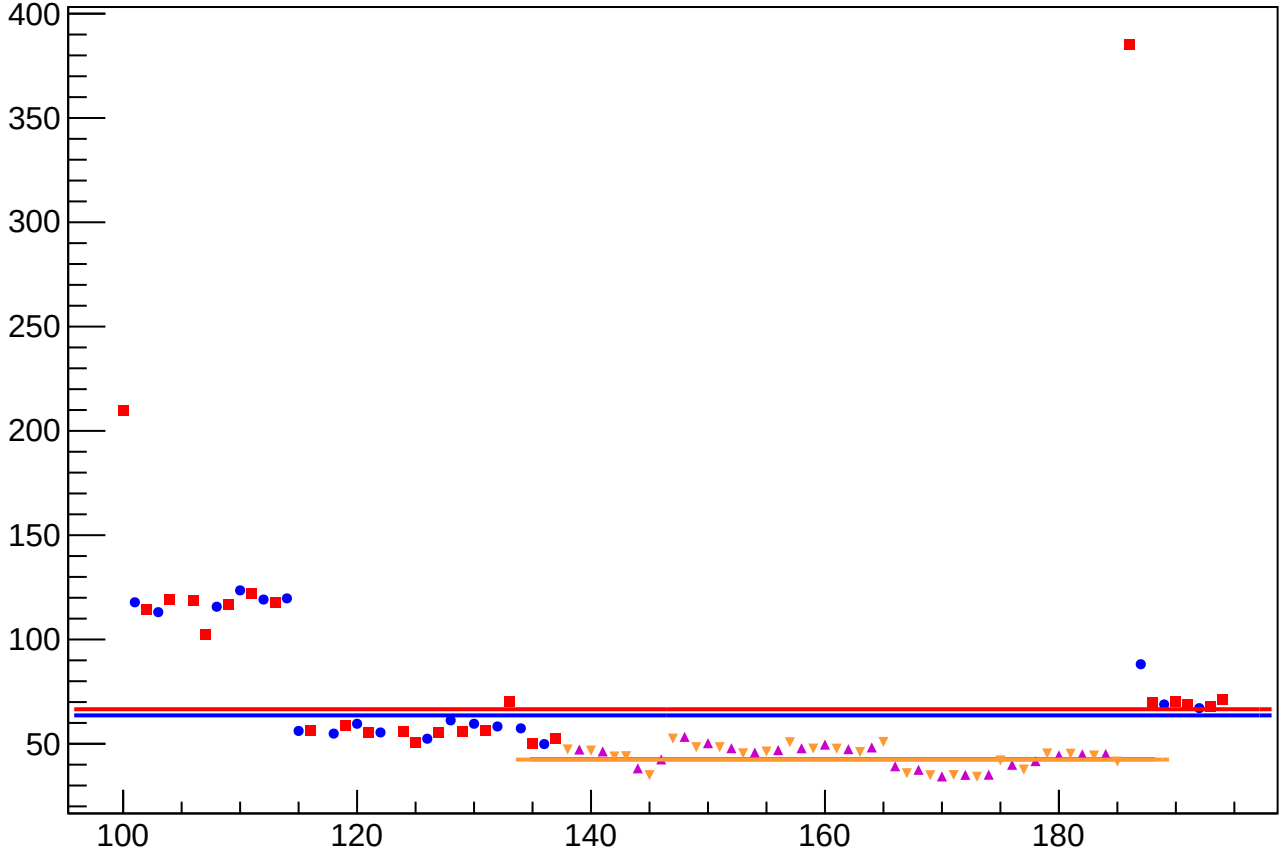
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 23.010+/-8.928 χ^2/NDF: 62.7/43

All: 9.672+/-6.371 χ^2/NDF: 126.5/91

- sign -4.167+/-9.094 χ^2/NDF: 59.2/47

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

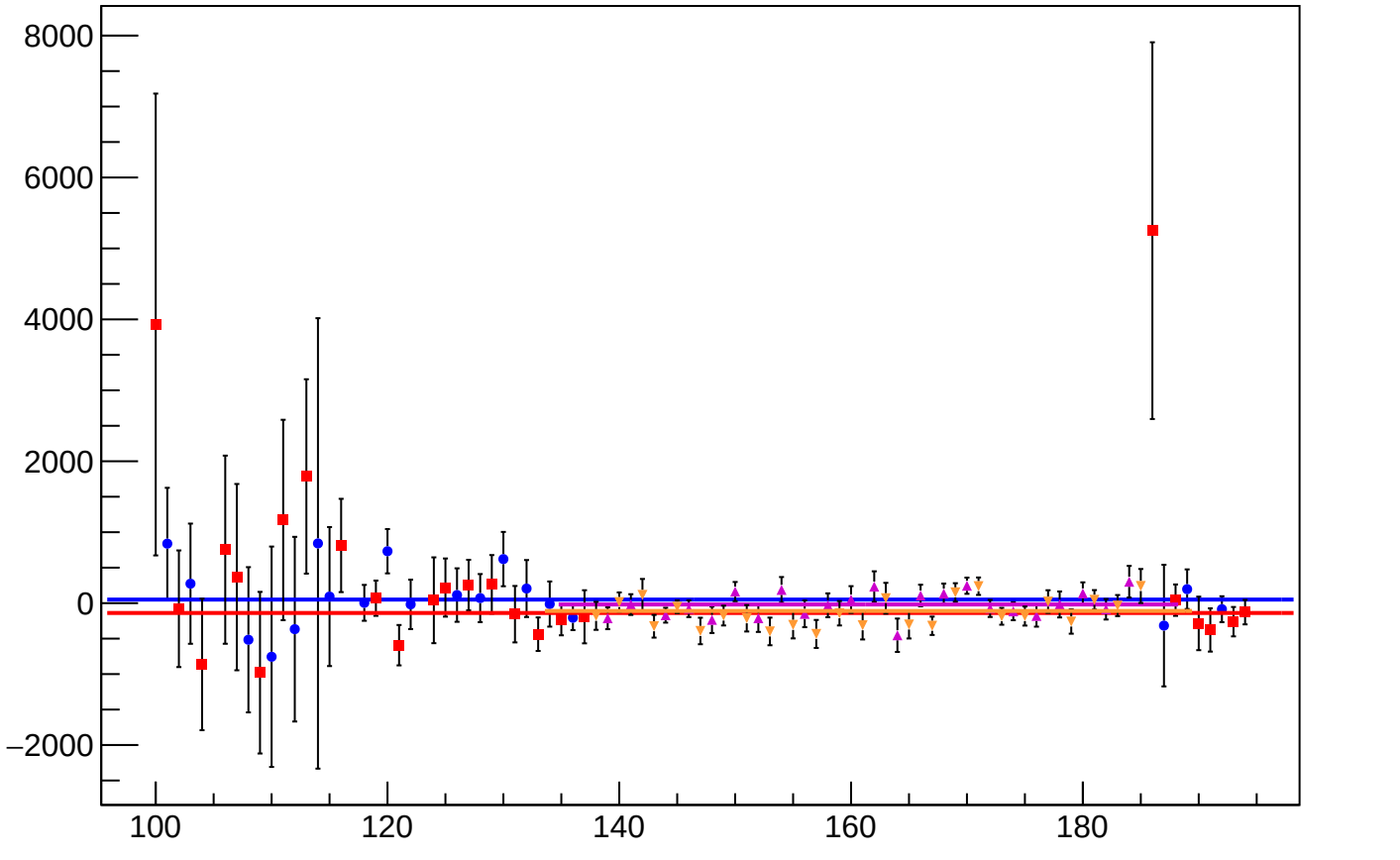
Right Out: 66.566+/-0.015 χ^2/NDF: 2172097.4/24

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 45.830+/-0.006 χ^2/NDF: 3610132.8/43

All: 46.418+/-0.005 χ^2/NDF: 8492066.6/91

- sign 47.029+/-0.006 χ^2/NDF: 4864230.1/47



Right In: 50.278+/-80.011 χ^2/NDF: 12.3/18

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

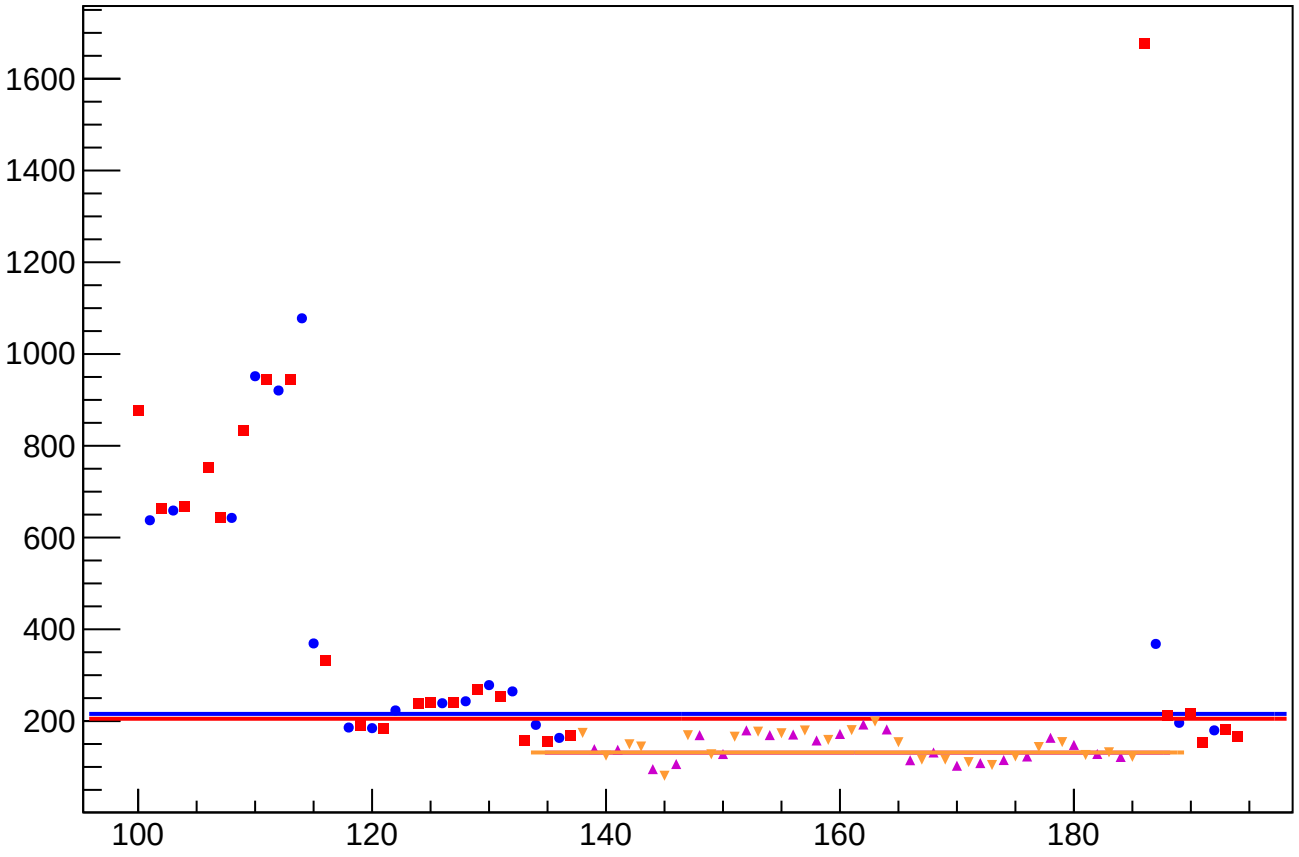
Right Out: -138.585+/-69.534 χ^2/NDF: 22.3/24

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -89.249+/-28.710 χ^2/NDF: 52.0/43

All: -64.196+/-20.289 χ^2/NDF: 105.5/91

- sign -39.204+/-28.675 χ^2/NDF: 51.9/47



Right In: 215.616+/-0.057 χ^2/NDF: 3198812.2/18

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 205.043+/-0.049 χ^2/NDF: 4719789.7/24

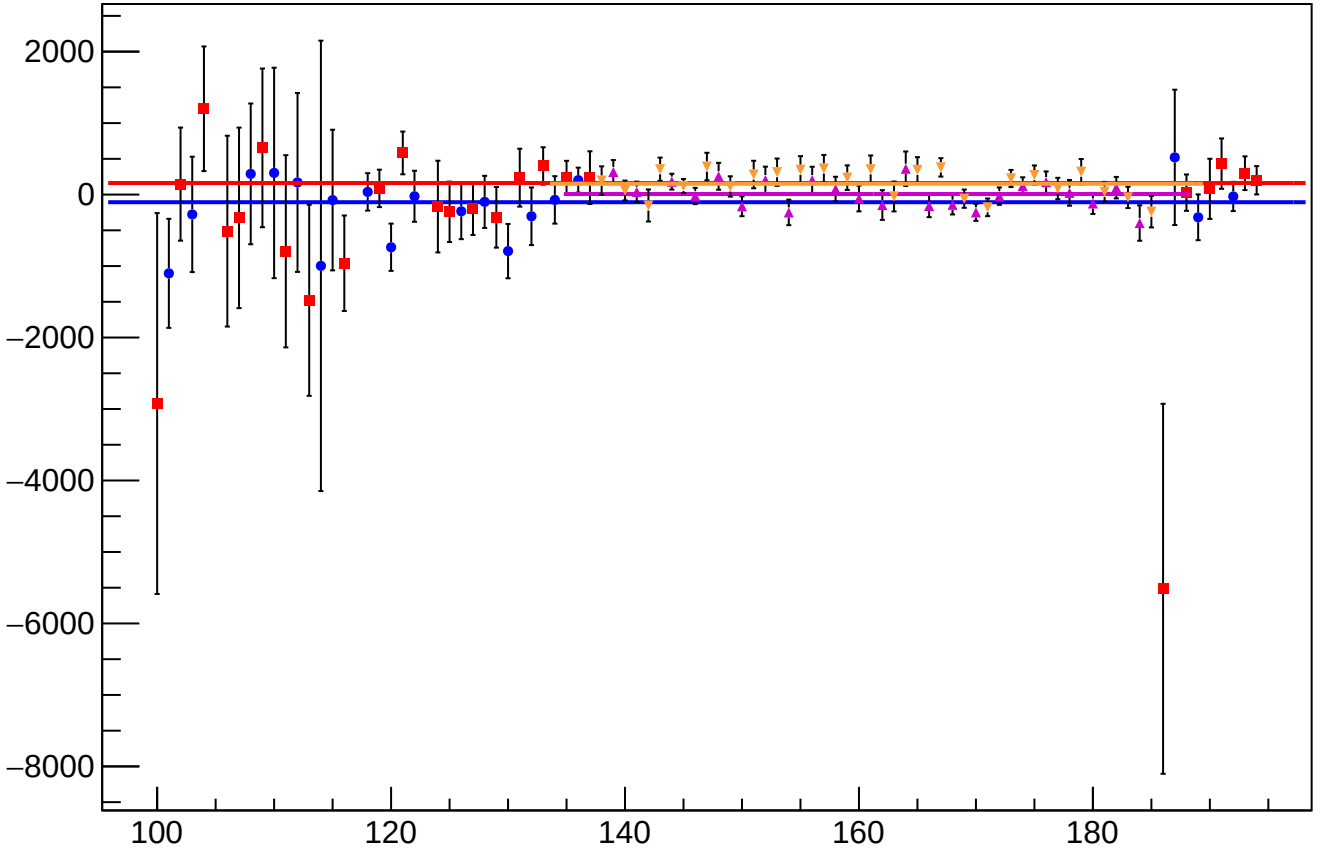
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 142.344+/-0.020 χ^2/NDF: 7026926.4/43

All: 143.000+/-0.014 χ^2/NDF: 15094958.7/91

- sign 143.654+/-0.020 χ^2/NDF: 8065948.2/47

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: 161.844+/-75.715 χ^2/NDF: 20.8/24

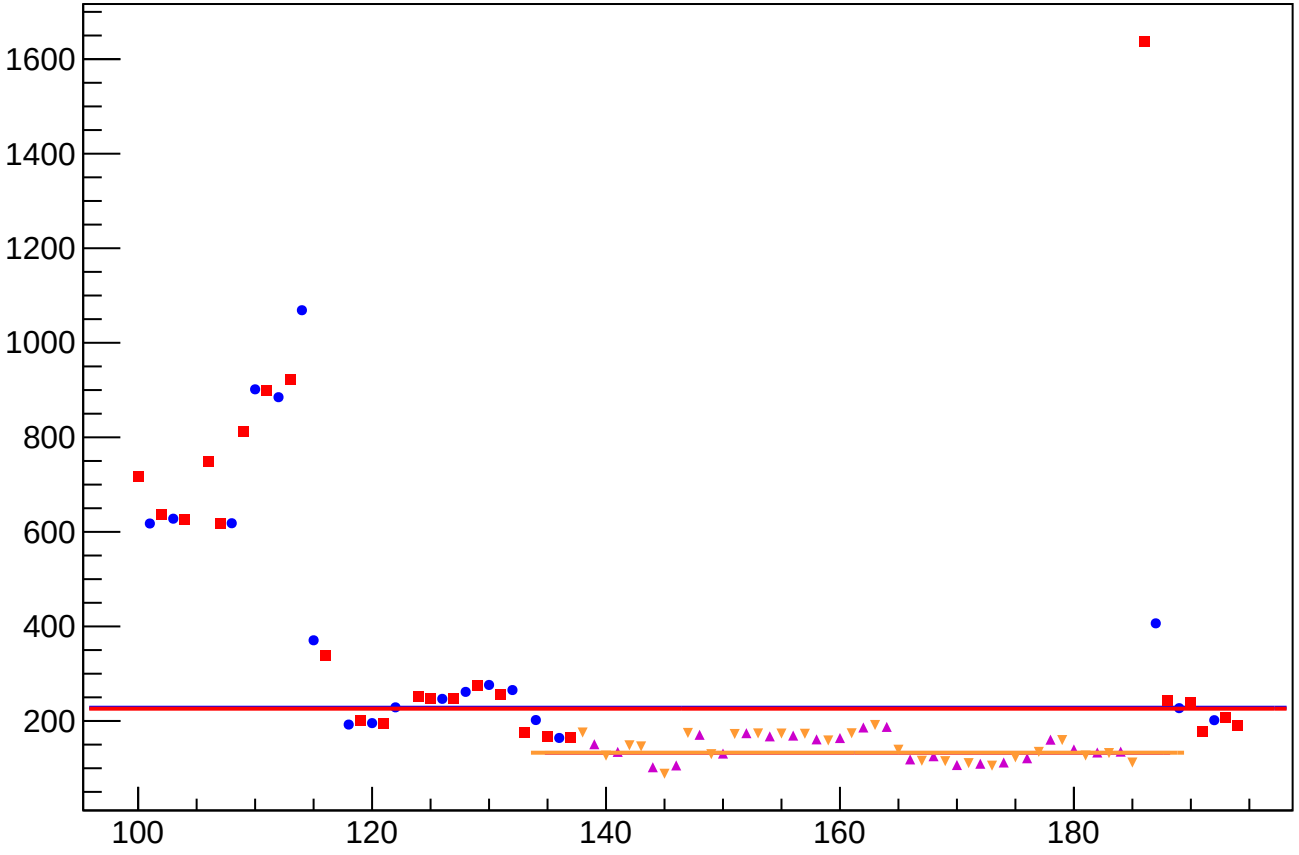
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 120.239+/-29.040 χ^2/NDF: 55.3/43

All: 75.732+/-20.583 χ^2/NDF: 113.7/91

- sign 30.798+/-29.179 χ^2/NDF: 53.8/47

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

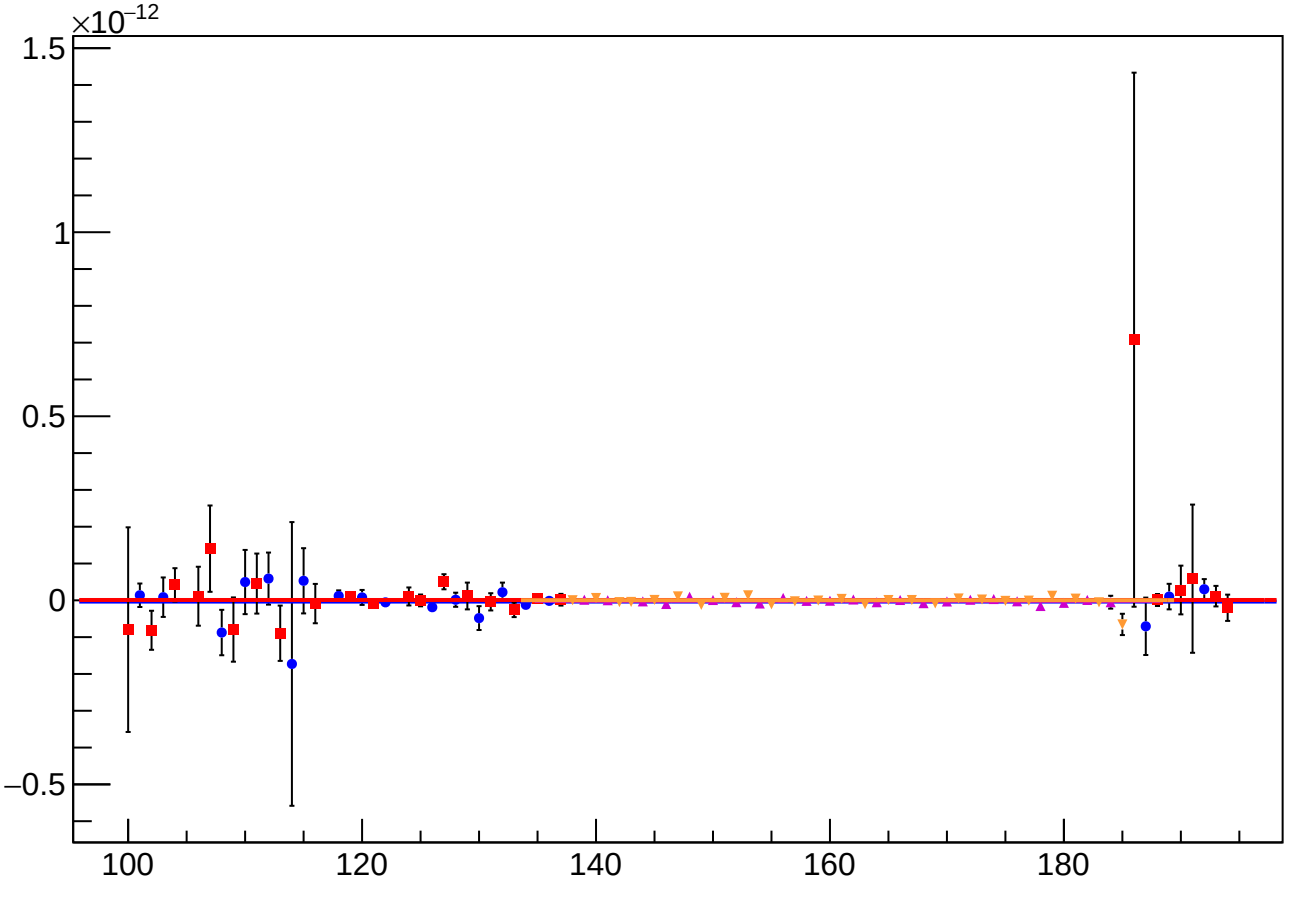
Right Out: 226.027+/-0.054 χ^2/NDF: 4266020.6/24

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 144.267+/-0.021 χ^2/NDF: 6848478.0/43

All: 145.257+/-0.015 χ^2/NDF: 15004232.9/91

- sign 146.255+/-0.021 χ^2/NDF: 8151090.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

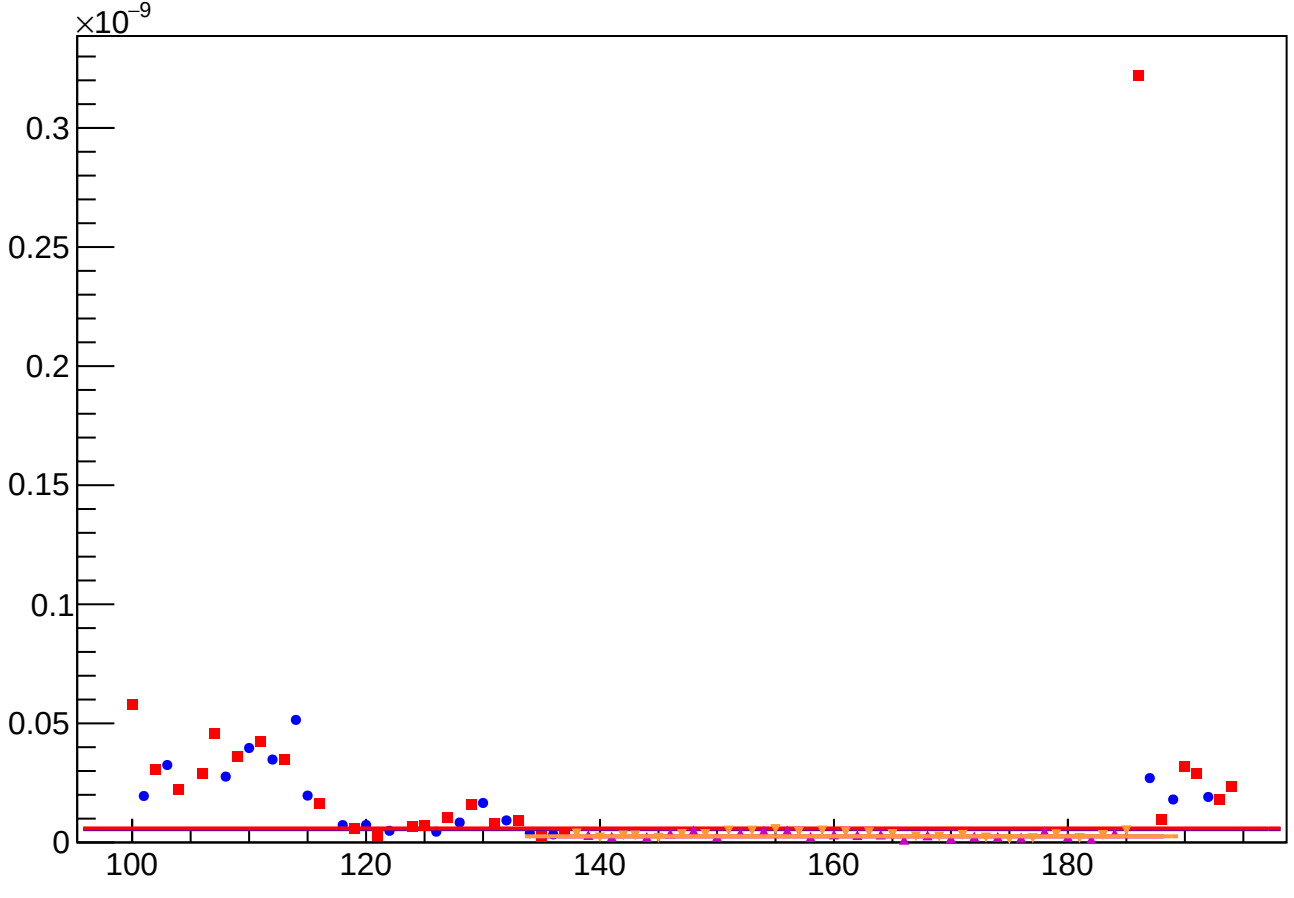
Right Out: 0.000+/-0.000 χ^2/NDF: 19.8/24

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.0/43

All: -0.000+/-0.000 χ^2/NDF: 82.6/91

- sign -0.000+/-0.000 χ^2/NDF: 35.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 3536549.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4990499.9/24

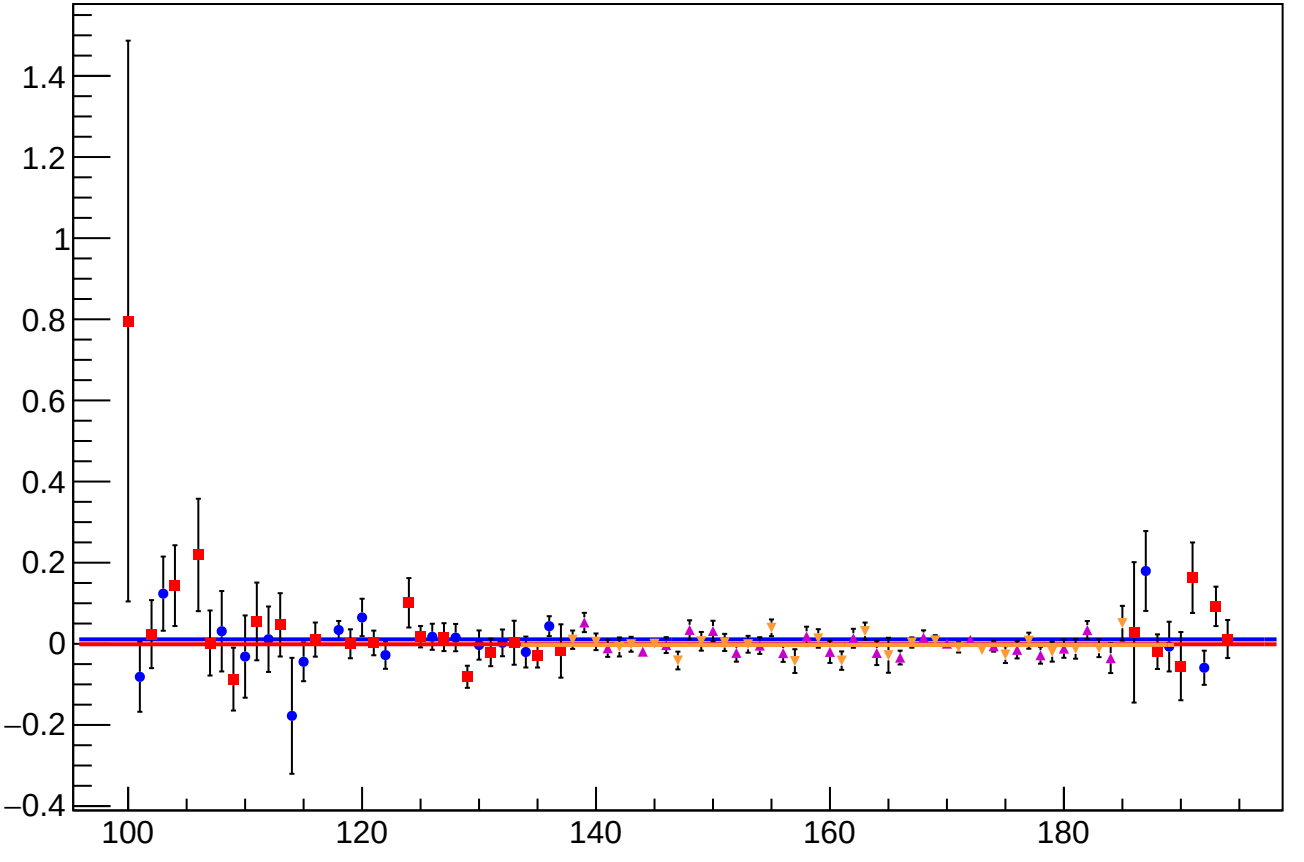
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6993868.9/43

All: 0.000+/-0.000 χ^2/NDF: 14974555.1/91

- sign 0.000+/-0.000 χ^2/NDF: 7979704.2/47

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: -0.001+/-0.009 χ^2/NDF: 29.7/24

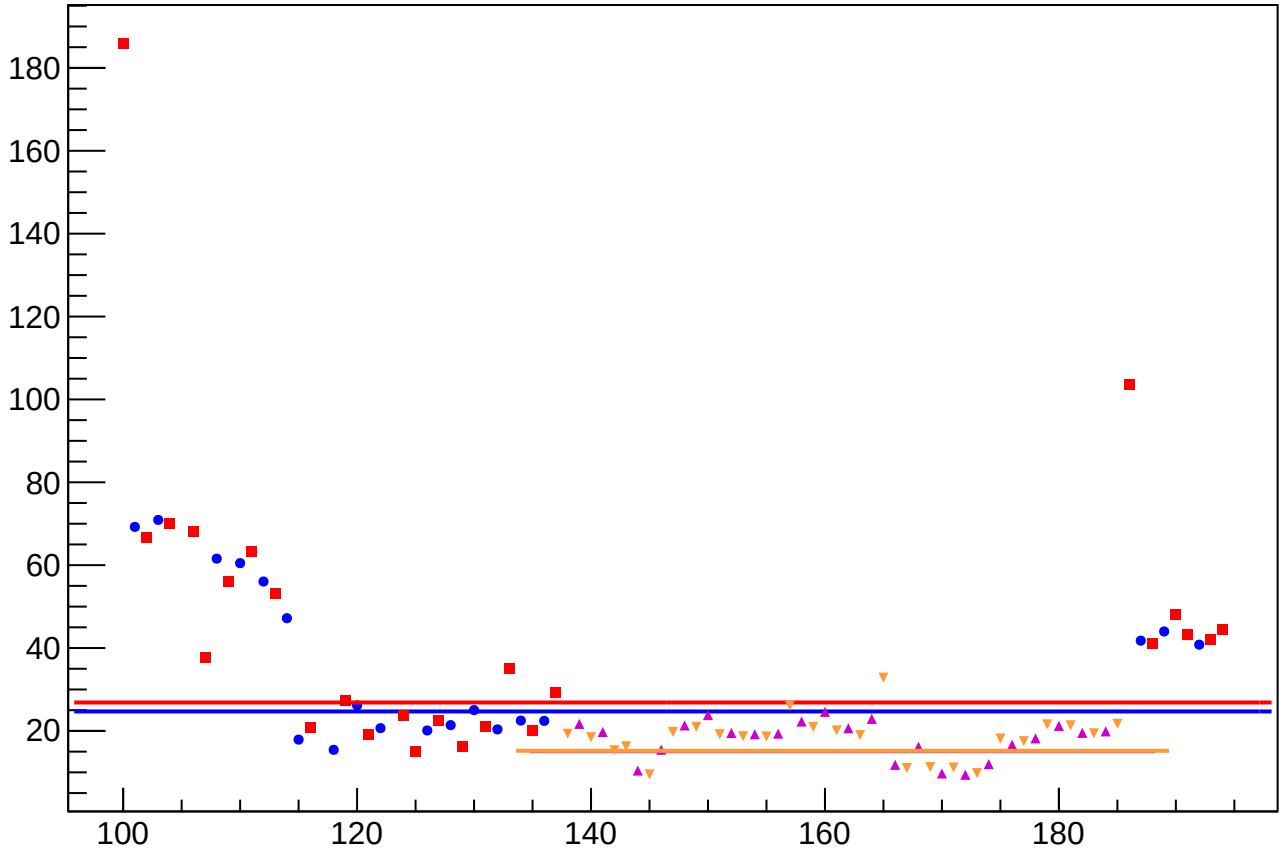
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.7/43

All: -0.002+/-0.002 χ^2/NDF: 99.3/91

- sign -0.002+/-0.004 χ^2/NDF: 56.6/47

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

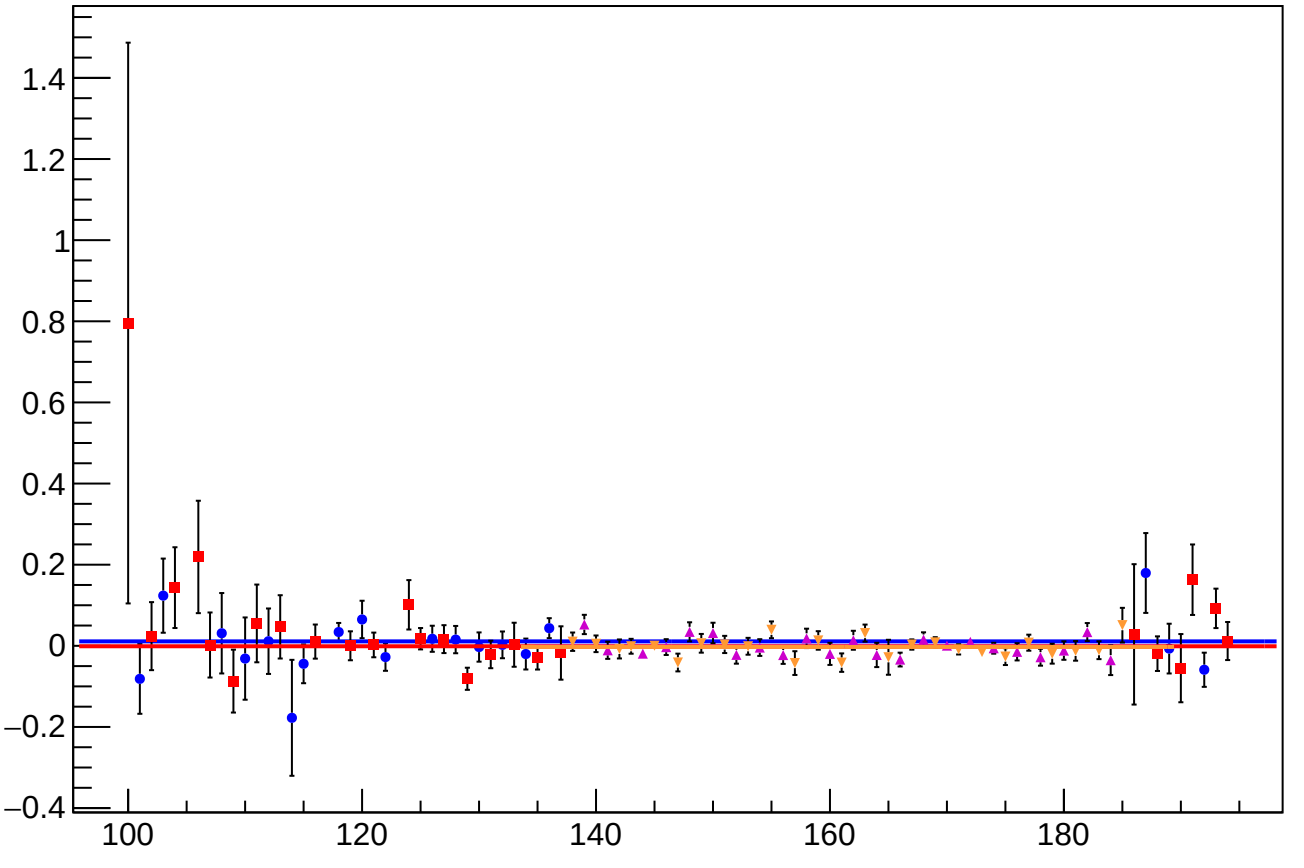
Right Out: 26.861+/-0.007 χ^2/NDF: 4370814.6/24

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.472+/-0.002 χ^2/NDF: 8206002.0/43

All: 16.642+/-0.002 χ^2/NDF: 18725230.8/91

- sign 16.821+/-0.003 χ^2/NDF: 10509220.4/47



Right In: 0.011+/-0.009 χ^2/NDF: 18.2/18

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

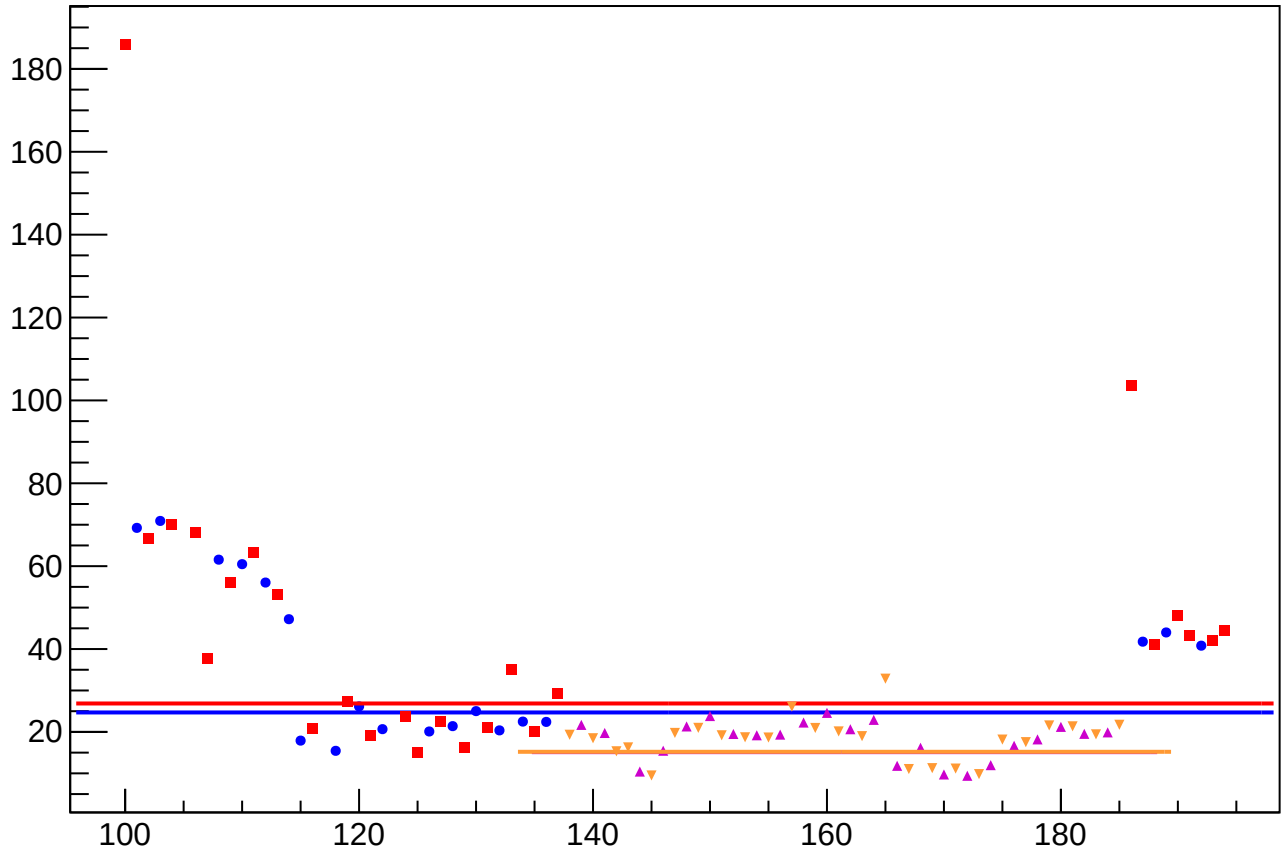
Right Out: -0.001+/-0.009 χ^2/NDF: 29.7/24

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.7/43

All: -0.002+/-0.002 χ^2/NDF: 99.3/91

- sign -0.002+/-0.004 χ^2/NDF: 56.6/47



Right In: 24.695+/-0.007 χ^2/NDF: 3007709.1/18

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

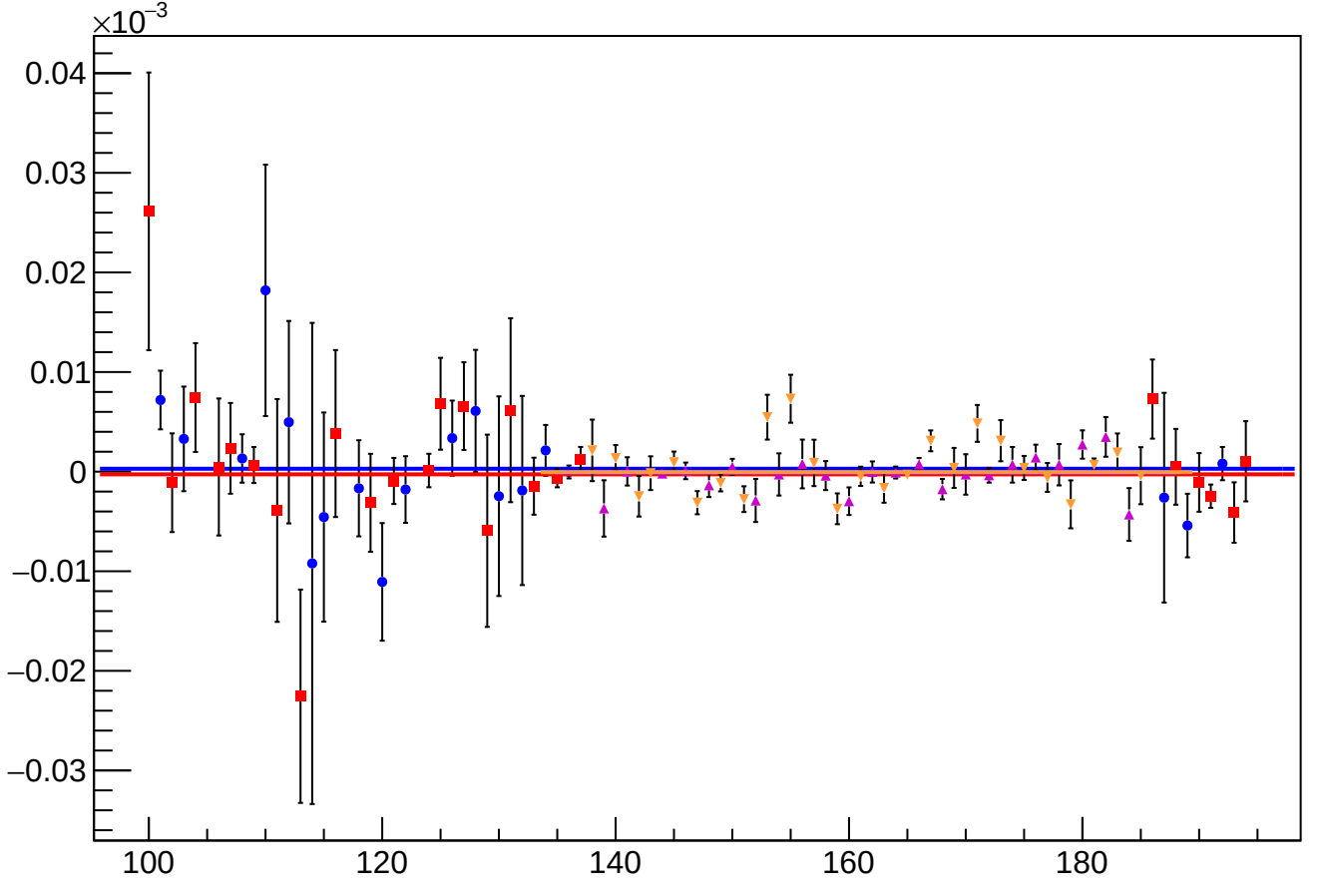
Right Out: 26.861+/-0.007 χ^2/NDF: 4370814.6/24

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.472+/-0.002 χ^2/NDF: 8206002.0/43

All: 16.642+/-0.002 χ^2/NDF: 18725230.8/91

- sign 16.821+/-0.003 χ^2/NDF: 10509220.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/18

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

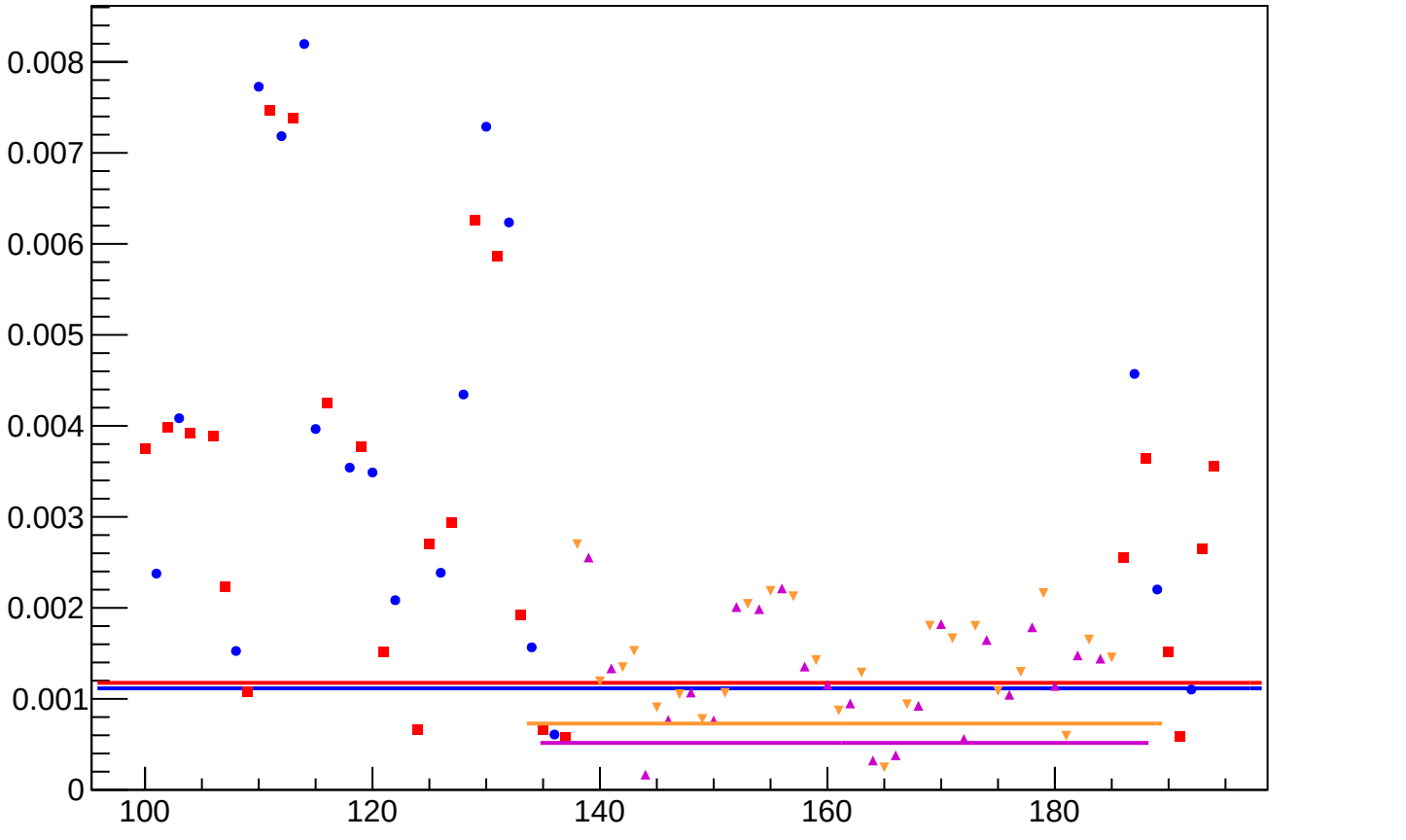
Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/24

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.9/43

All: -0.000+/-0.000 χ^2/NDF: 135.3/91

- sign -0.000+/-0.000 χ^2/NDF: 53.2/47



Right In: 0.001+/-0.000 χ^2/NDF: 7503966.4/18

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

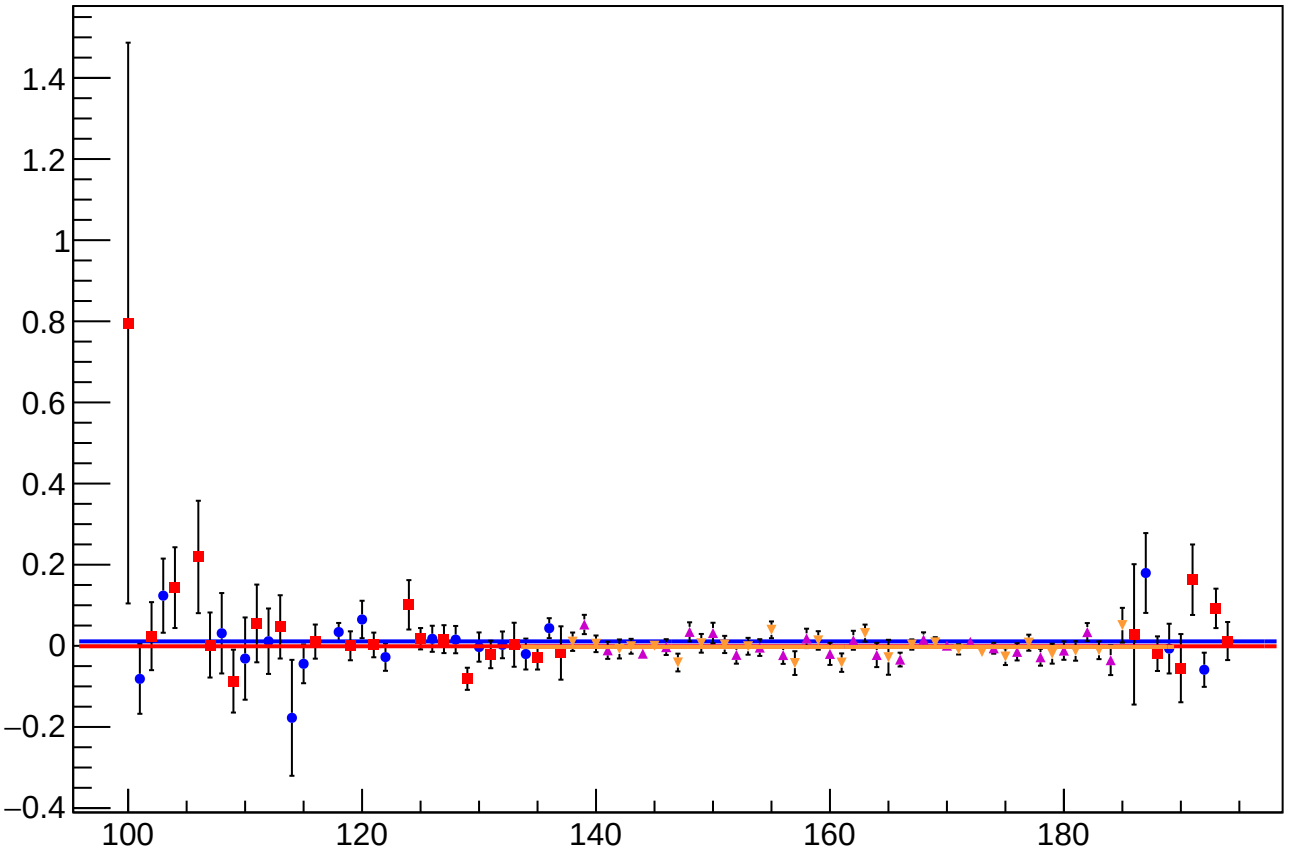
Right Out: 0.001+/-0.000 χ^2/NDF: 9599887.6/24

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 21565022.6/43

All: 0.001+/-0.000 χ^2/NDF: 50579557.8/91

- sign 0.001+/-0.000 χ^2/NDF: 27901009.2/47



Right In: 0.011+/-0.009 χ^2/NDF: 18.2/18

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

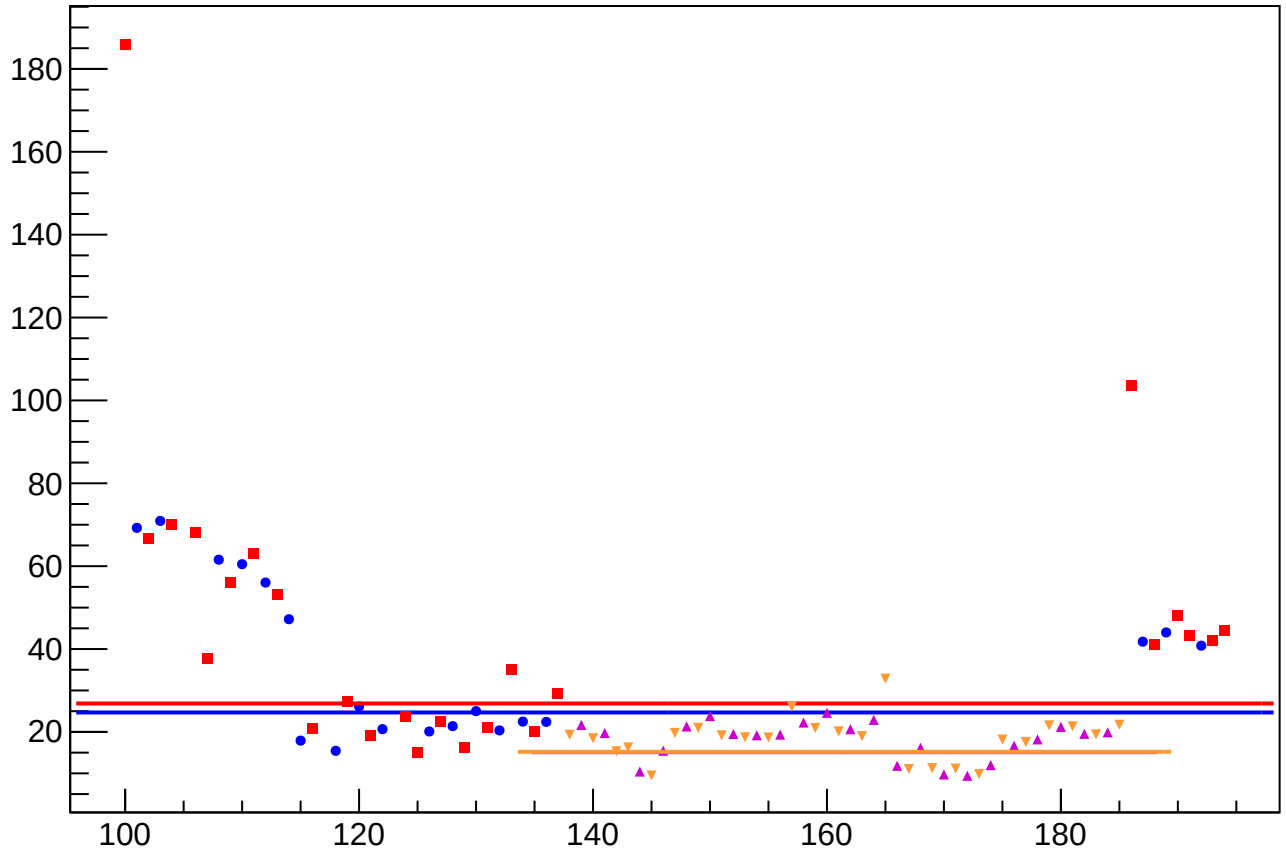
Right Out: -0.001+/-0.009 χ^2/NDF: 29.7/24

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.7/43

All: -0.002+/-0.002 χ^2/NDF: 99.3/91

- sign -0.002+/-0.004 χ^2/NDF: 56.6/47



Right In: 24.694+/-0.007 χ^2/NDF: 3007846.7/18

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

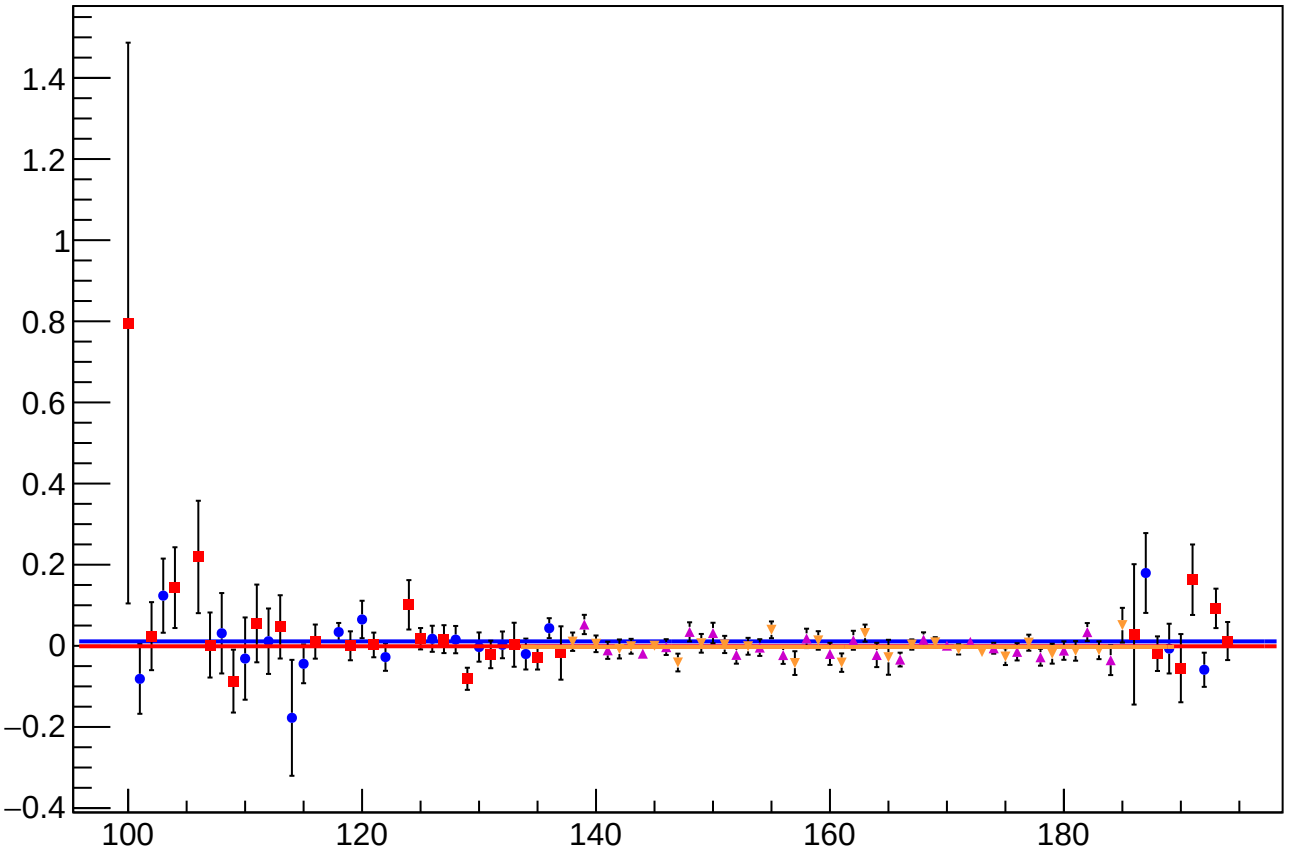
Right Out: 26.861+/-0.007 χ^2/NDF: 4370944.0/24

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.472+/-0.002 χ^2/NDF: 8205862.2/43

All: 16.642+/-0.002 χ^2/NDF: 18725021.0/91

- sign 16.821+/-0.003 χ^2/NDF: 10509145.0/47



Right In: 0.011+/-0.009 χ^2/NDF: 18.2/18

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

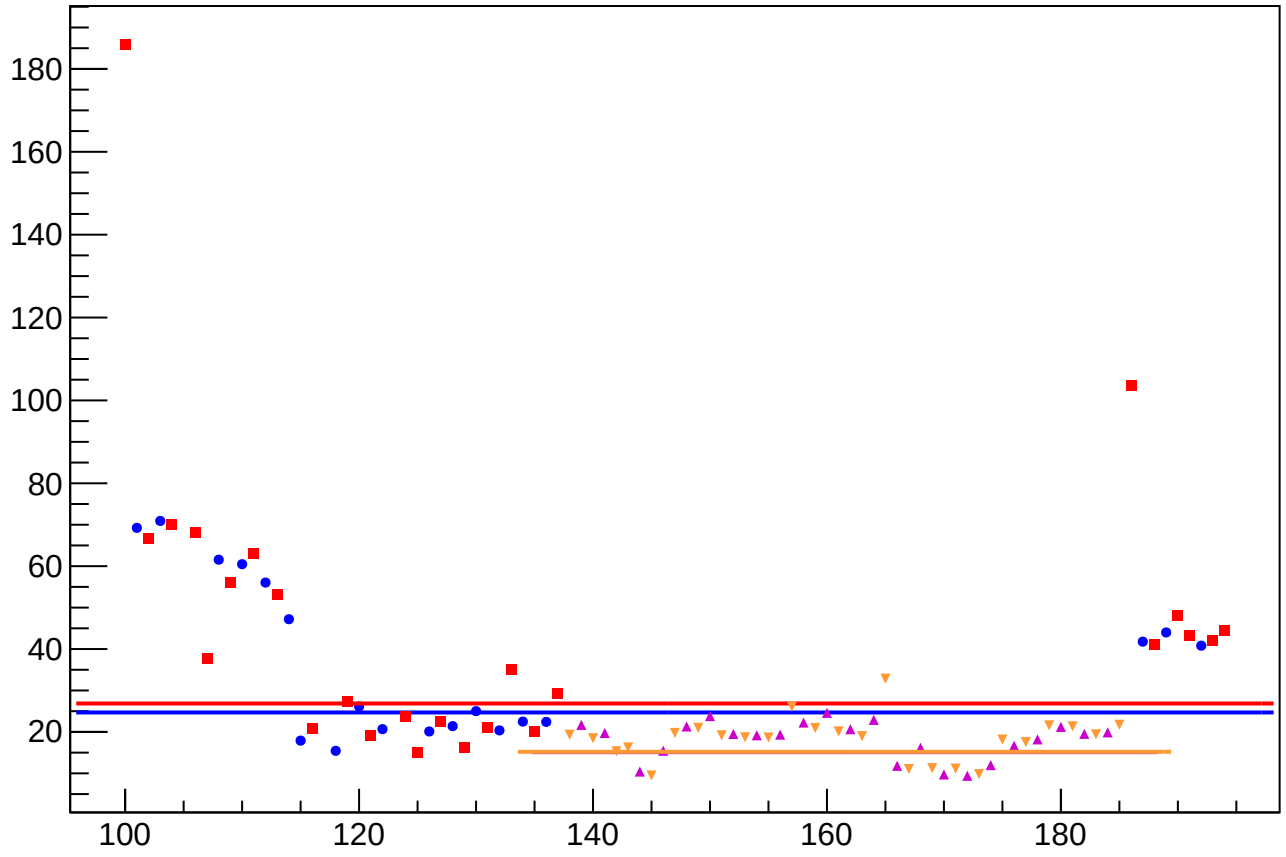
Right Out: -0.001+/-0.009 χ^2/NDF: 29.7/24

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 42.7/43

All: -0.002+/-0.002 χ^2/NDF: 99.3/91

- sign -0.002+/-0.004 χ^2/NDF: 56.6/47



Right In: 24.694+/-0.007 χ^2/NDF: 3007846.7/18

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

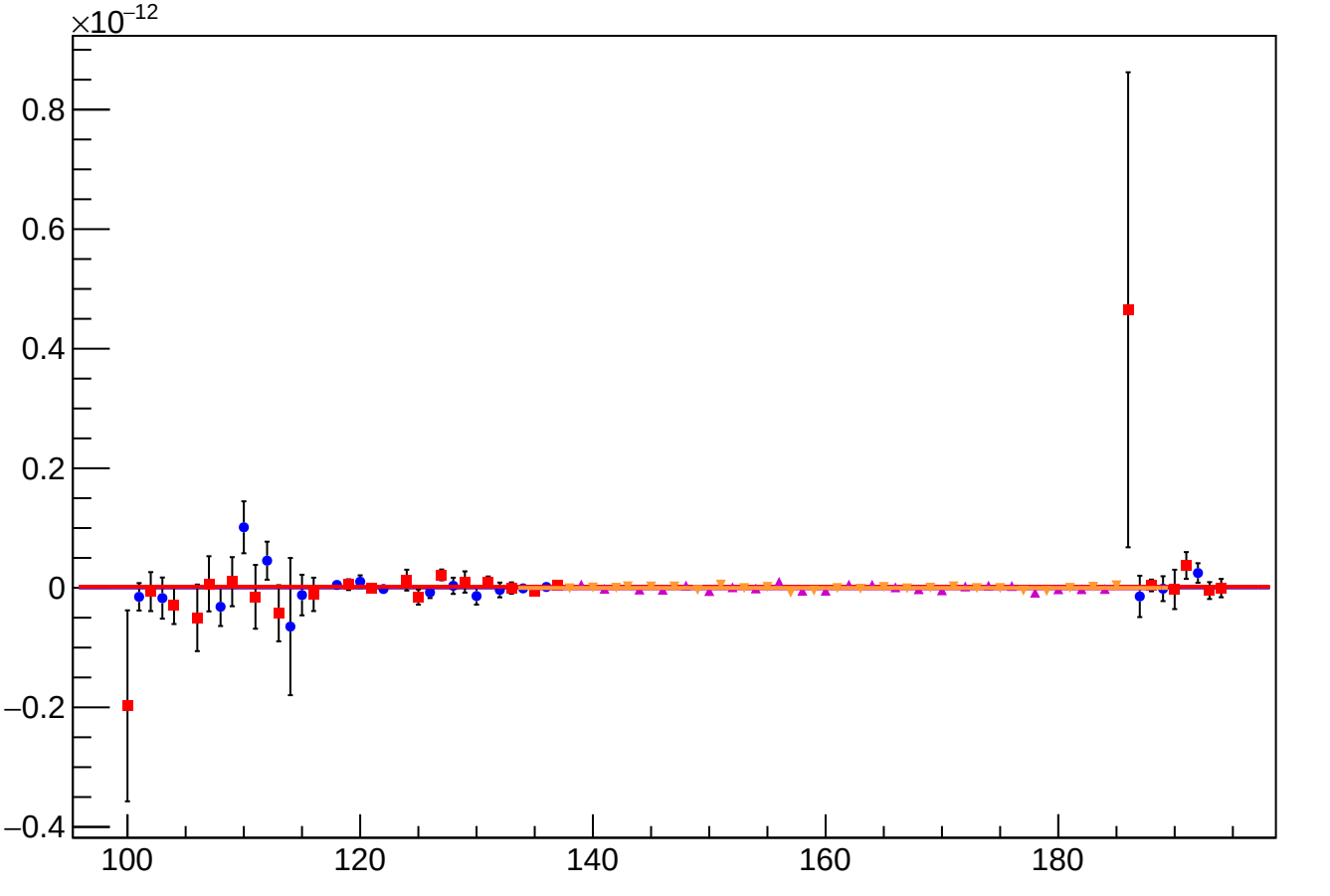
Right Out: 26.861+/-0.007 χ^2/NDF: 4370944.0/24

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.472+/-0.002 χ^2/NDF: 8205862.2/43

All: 16.642+/-0.002 χ^2/NDF: 18725021.0/91

- sign 16.821+/-0.003 χ^2/NDF: 10509145.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

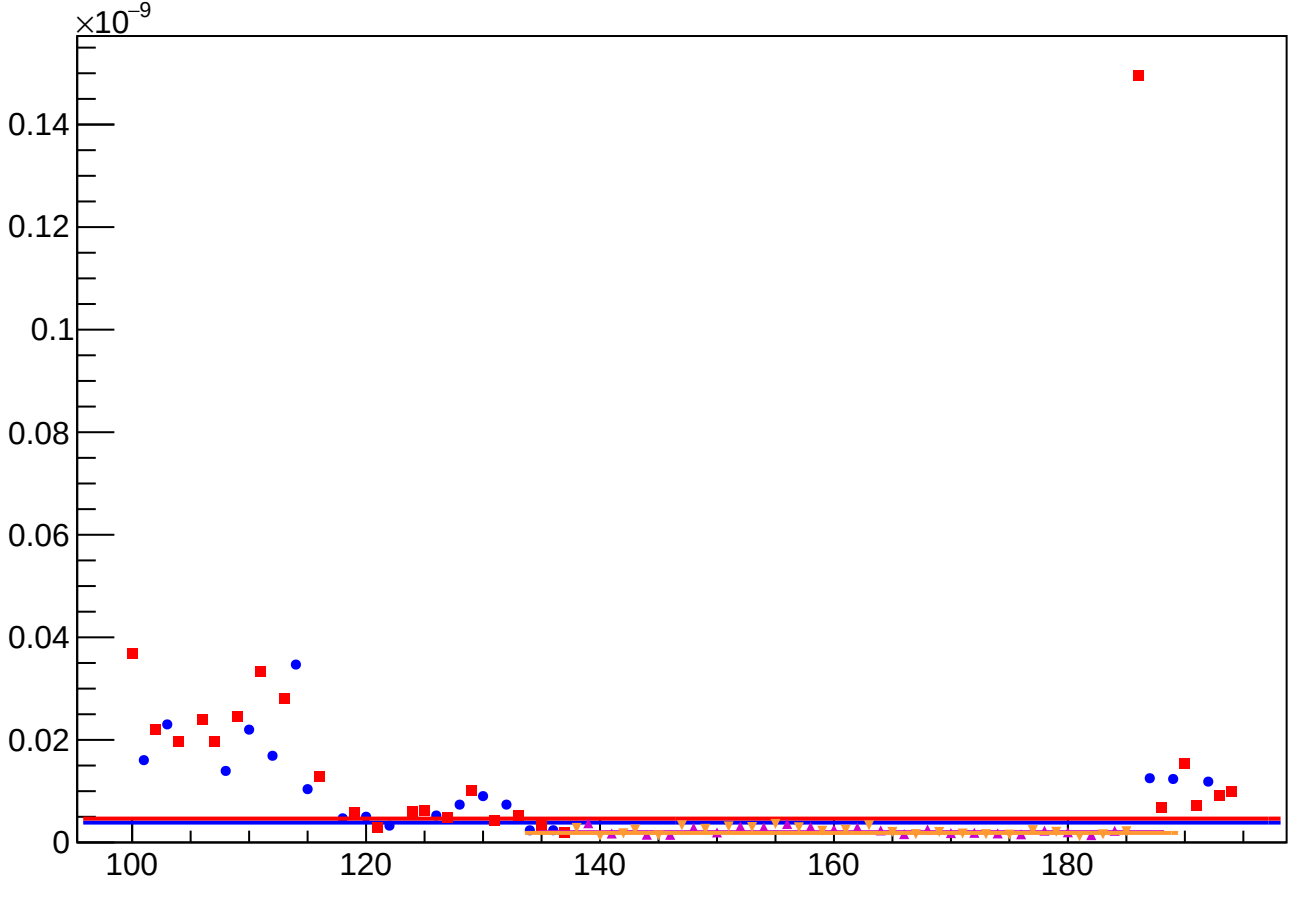
Right Out: 0.000+/-0.000 χ^2/NDF: 19.8/24

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.9/43

All: -0.000+/-0.000 χ^2/NDF: 97.9/91

- sign -0.000+/-0.000 χ^2/NDF: 60.5/47



Right In: 0.000+/-0.000 χ^2/NDF: 4553897.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5573842.9/24

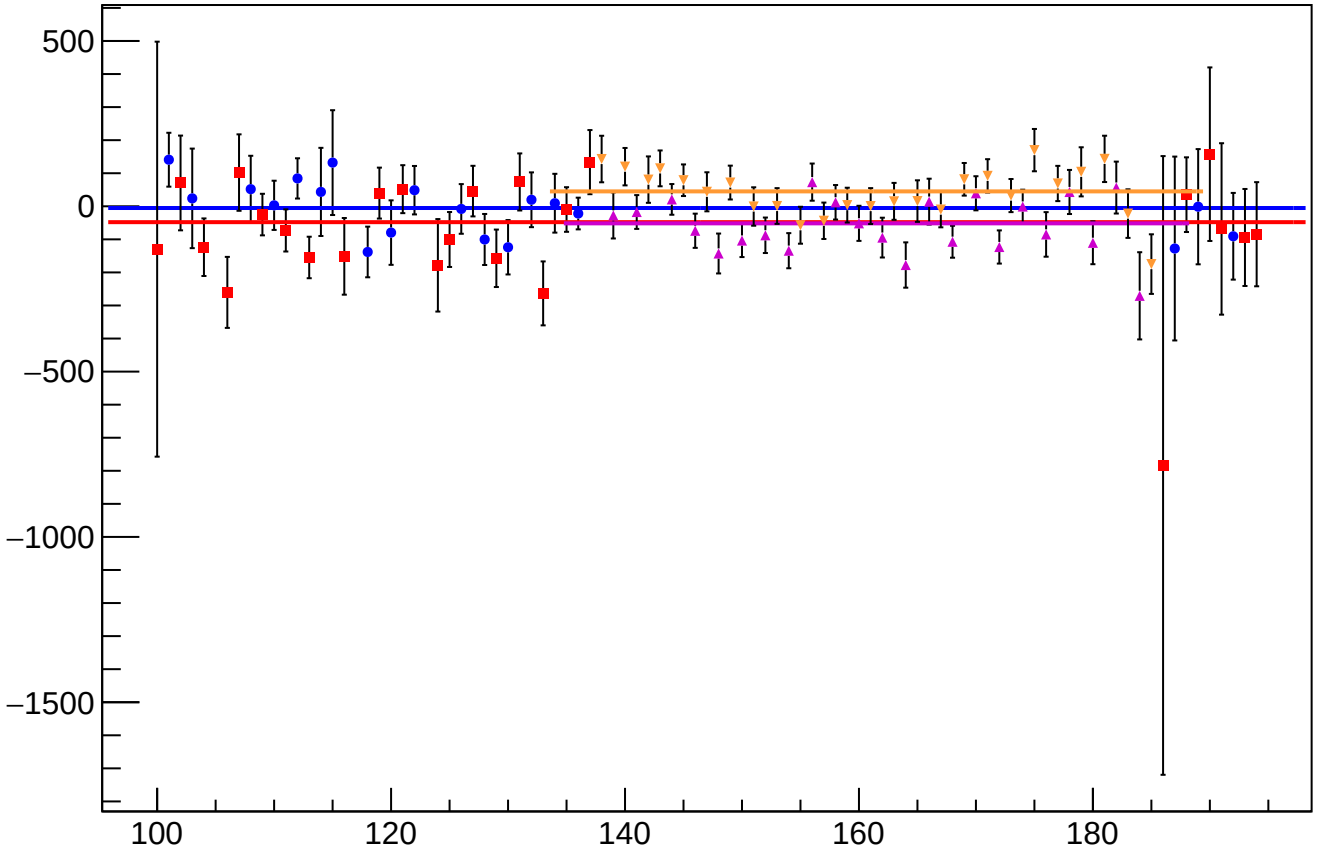
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9047474.3/43

All: 0.000+/-0.000 χ^2/NDF: 19352314.3/91

- sign 0.000+/-0.000 χ^2/NDF: 10190115.6/47

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: -47.988+/-18.921 χ^2/NDF: 31.3/24

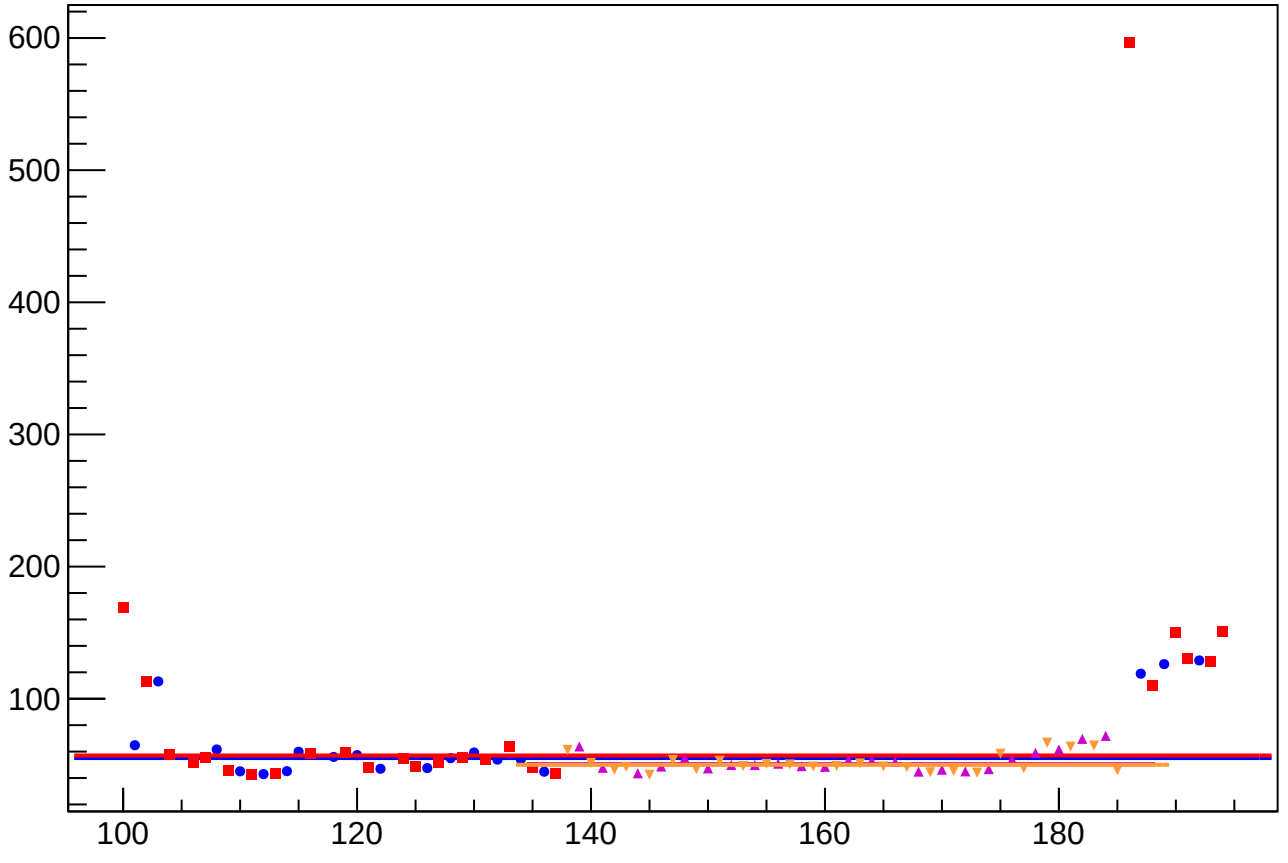
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 32.218+/-9.914 χ^2/NDF: 51.5/43

All: -8.452+/-7.072 χ^2/NDF: 152.9/91

- sign -50.584+/-10.091 χ^2/NDF: 67.2/47

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

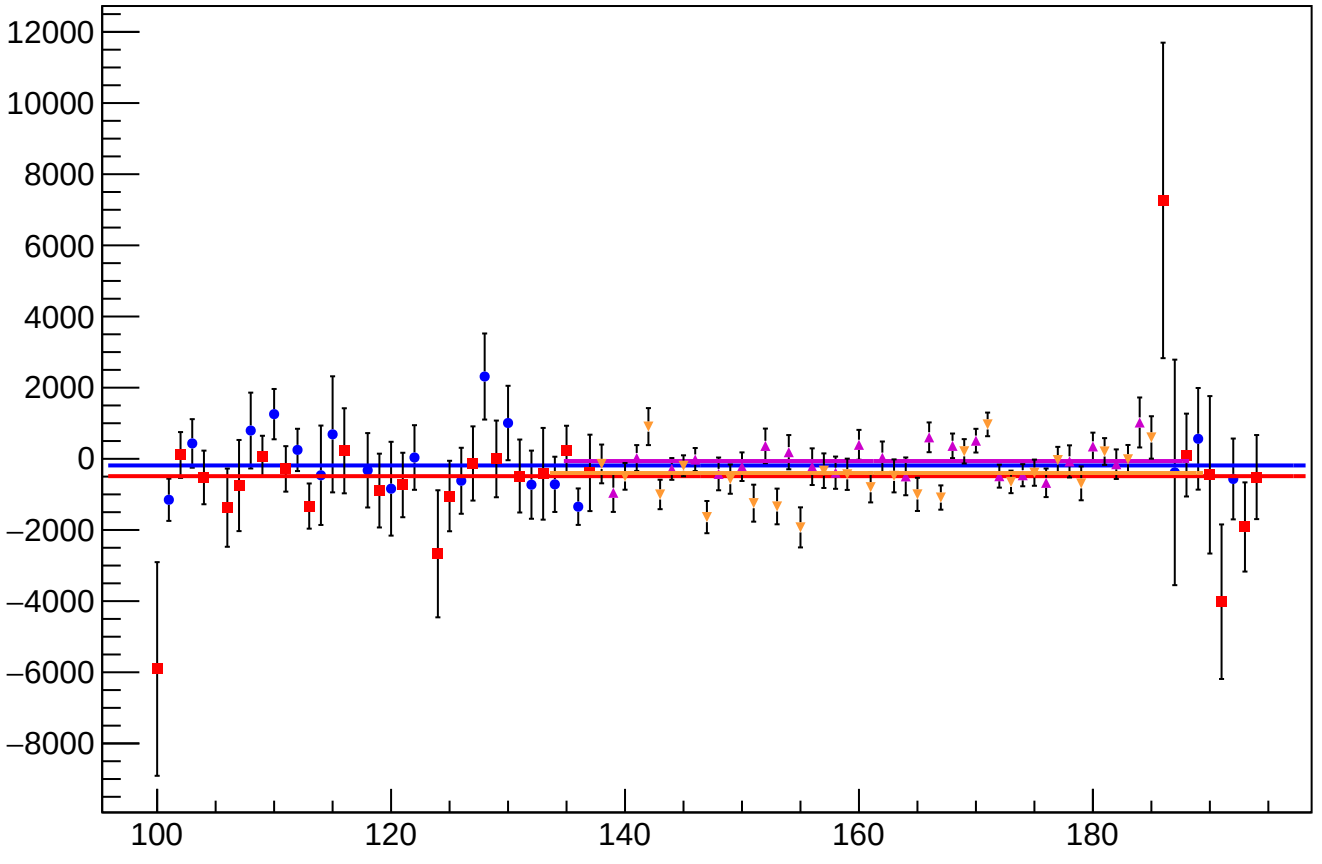
Right Out: 57.050+/-0.013 χ^2/NDF: 3488344.3/24

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 51.325+/-0.007 χ^2/NDF: 2289791.2/43

All: 51.839+/-0.005 χ^2/NDF: 6463379.4/91

- sign 52.372+/-0.007 χ^2/NDF: 4162635.2/47



Right In: -186.315+/-200.110 χ^2/NDF: 21.7/18

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -487.314+/-193.870 χ^2/NDF: 18.6/24

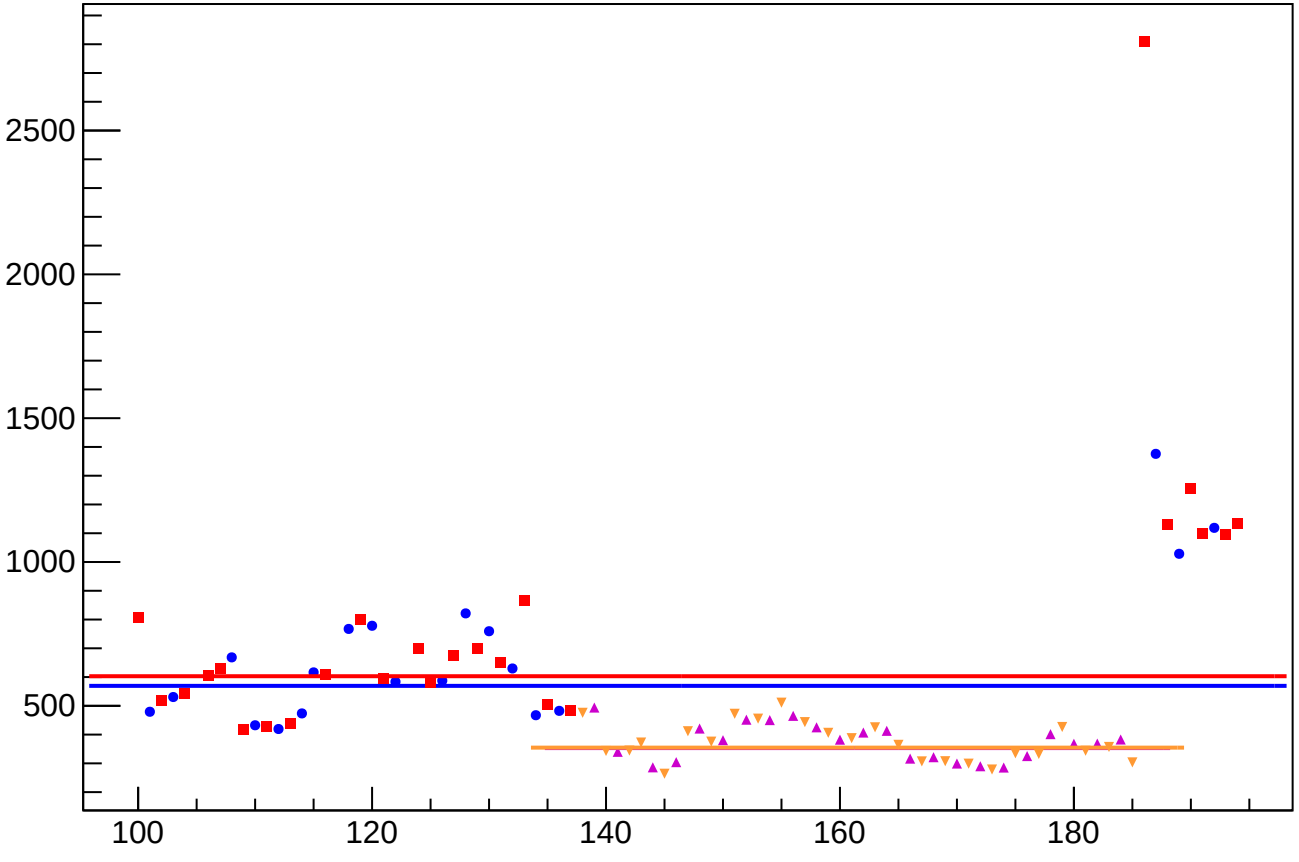
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -368.692+/-75.927 χ^2/NDF: 88.1/43

All: -250.572+/-54.061 χ^2/NDF: 139.6/91

- sign -129.112+/-76.993 χ^2/NDF: 46.6/47

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: 602.952+/-0.137 χ^2/NDF: 2710389.9/24

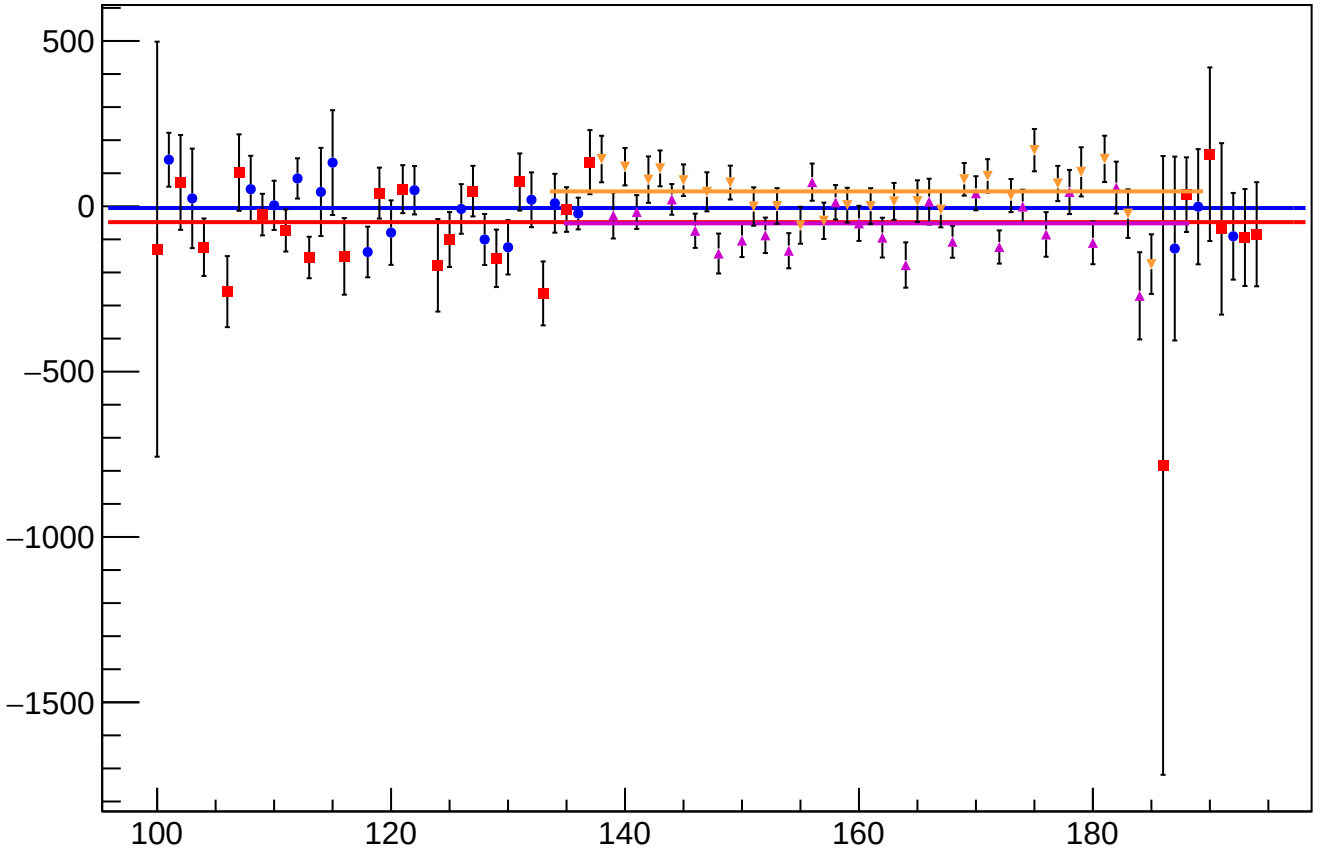
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 385.587+/-0.054 χ^2/NDF: 4580343.6/43

All: 389.003+/-0.038 χ^2/NDF: 11100747.6/91

- sign 392.514+/-0.054 χ^2/NDF: 6512196.6/47

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: -47.879+/-18.922 χ^2/NDF: 31.2/24

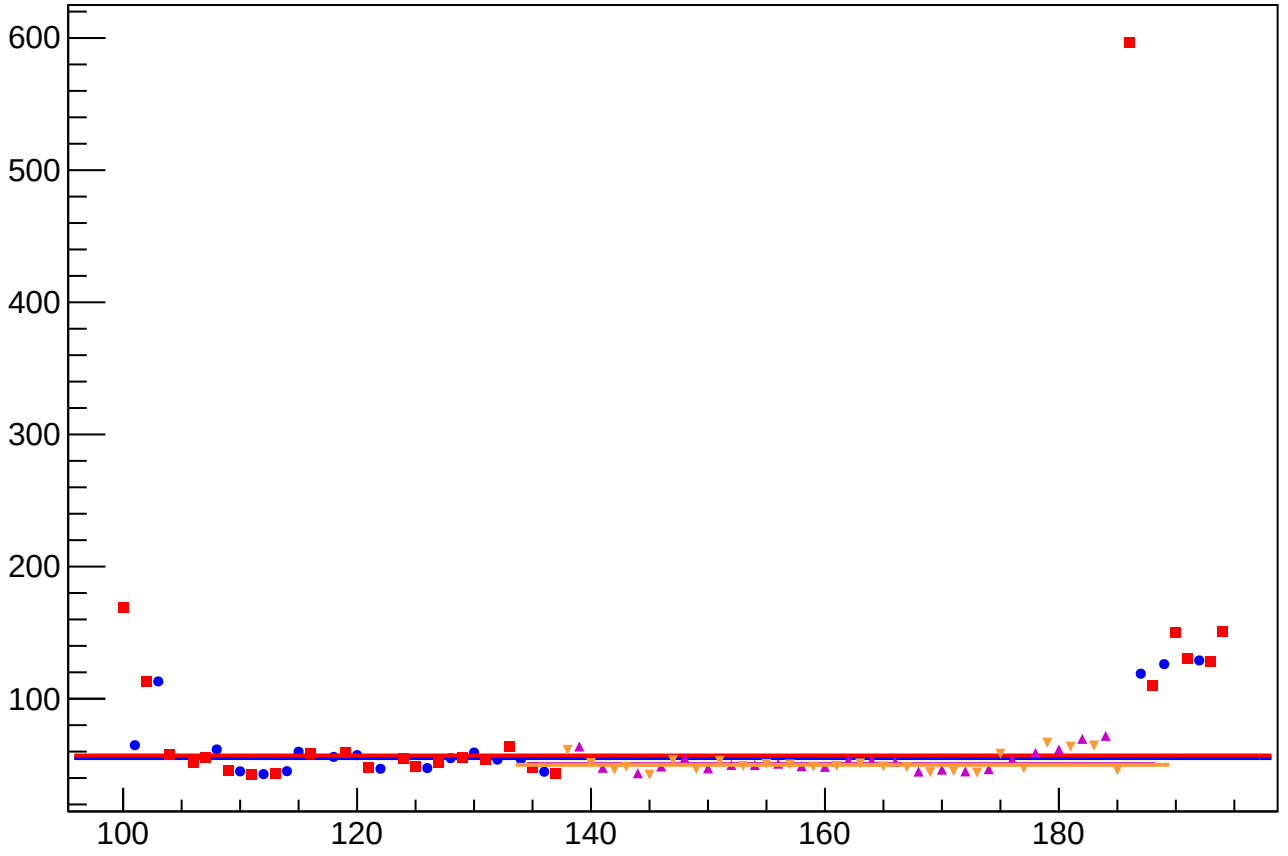
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.219+/-9.914 χ^2/NDF: 51.5/43

All: -8.436+/-7.072 χ^2/NDF: 152.8/91

- sign -50.553+/-10.091 χ^2/NDF: 67.1/47

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: 57.041+/-0.013 χ^2/NDF: 3489144.8/24

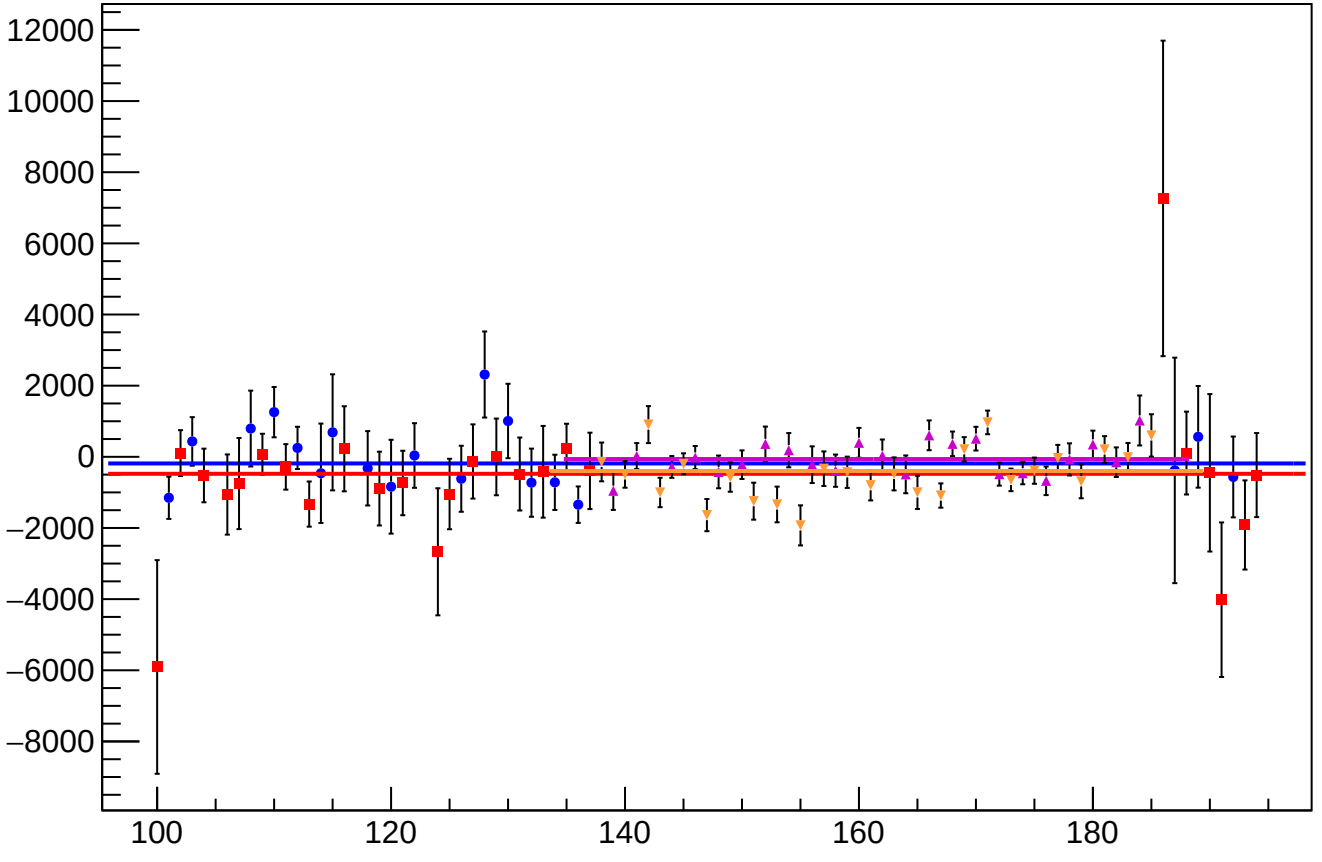
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 51.325+/-0.007 χ^2/NDF: 2289793.5/43

All: 51.838+/-0.005 χ^2/NDF: 6463632.9/91

- sign 52.369+/-0.007 χ^2/NDF: 4162943.2/47

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -186.294+/-200.112 χ^2/NDF: 21.7/18

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -477.099+/-194.036 χ^2/NDF: 18.2/24

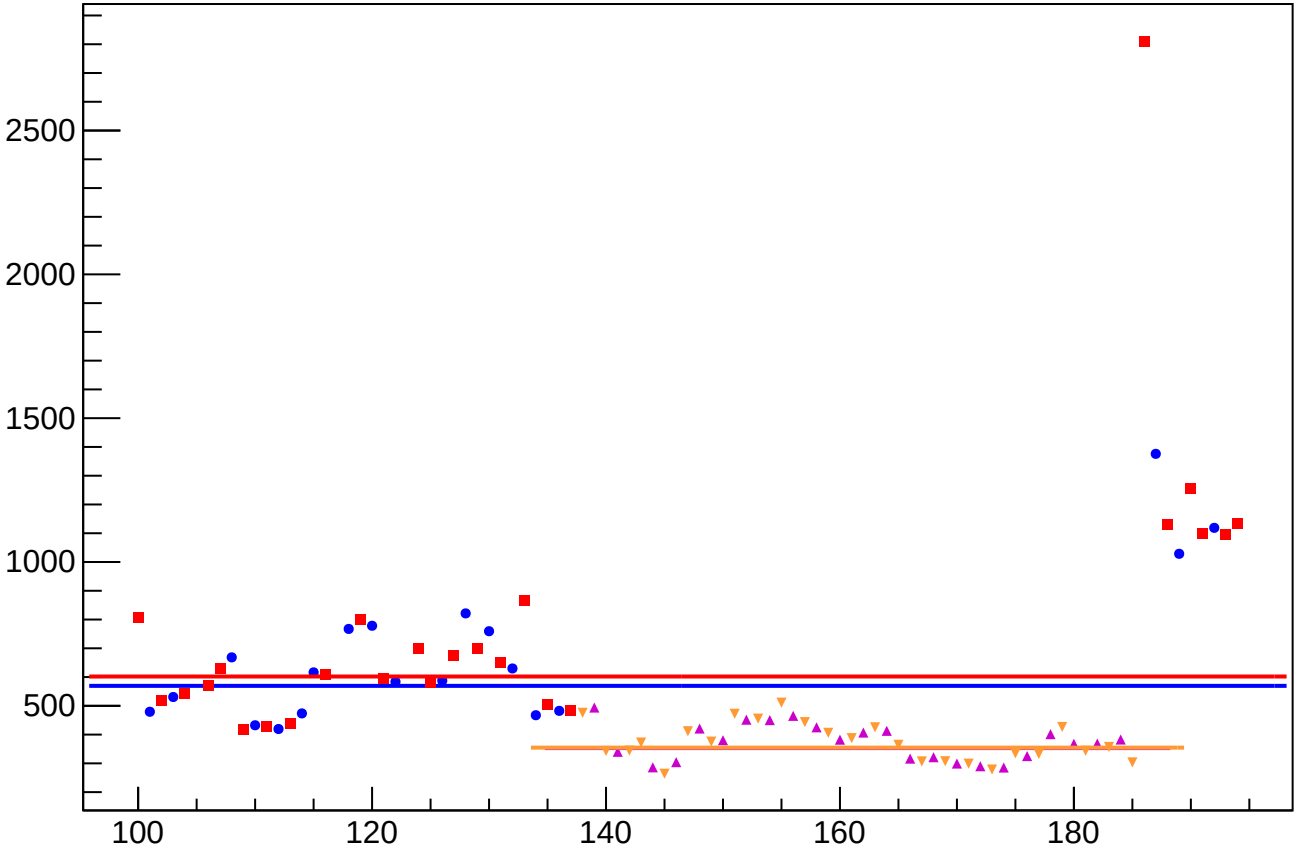
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -368.685+/-75.927 χ^2/NDF: 88.1/43

All: -249.743+/-54.065 χ^2/NDF: 139.1/91

- sign -127.406+/-77.003 χ^2/NDF: 46.0/47

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: 601.955+/-0.137 χ^2/NDF: 2711501.8/24

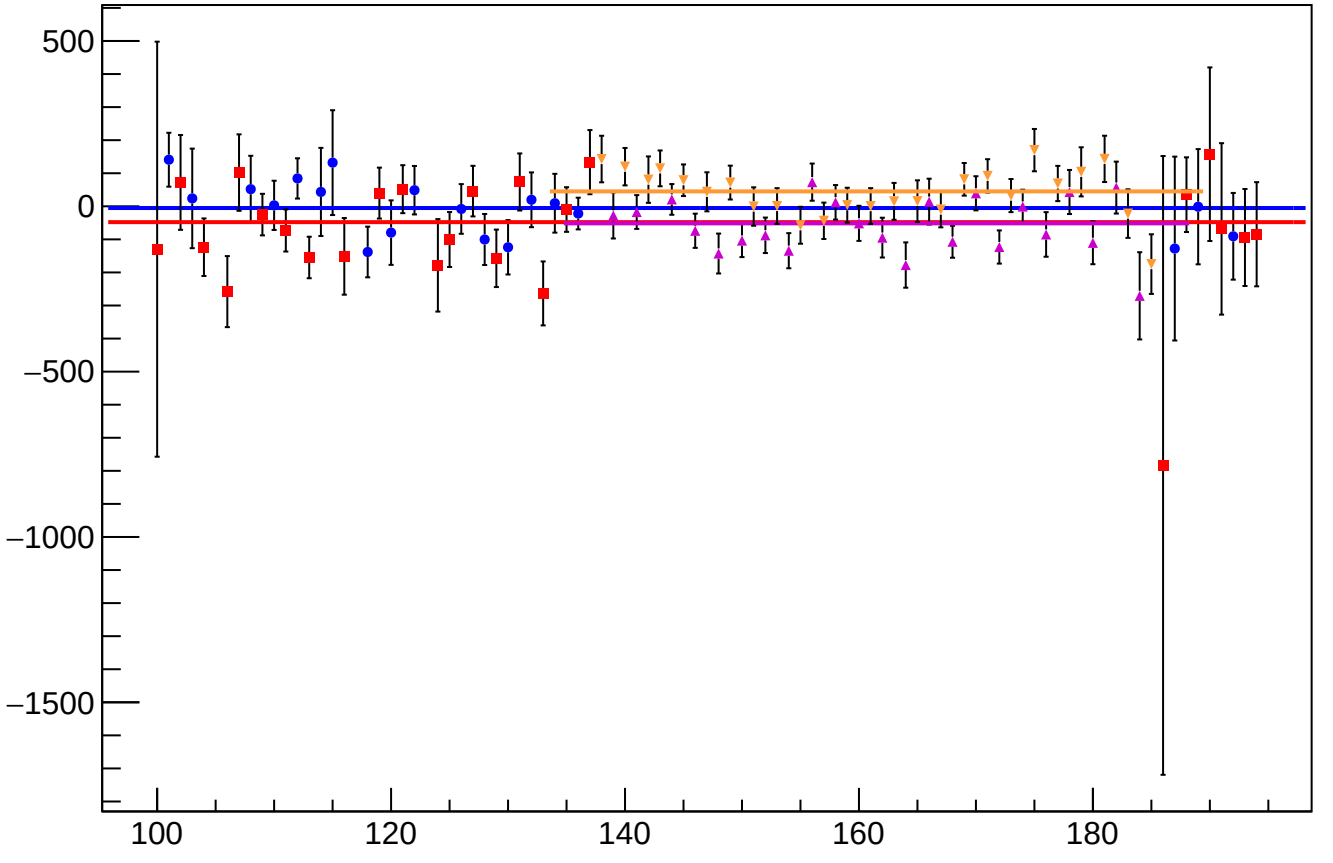
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 385.588+/-0.054 χ^2/NDF: 4580400.9/43

All: 388.897+/-0.038 χ^2/NDF: 11075135.4/91

- sign 392.301+/-0.054 χ^2/NDF: 6487027.3/47

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: -47.879+/-18.922 χ^2/NDF: 31.2/24

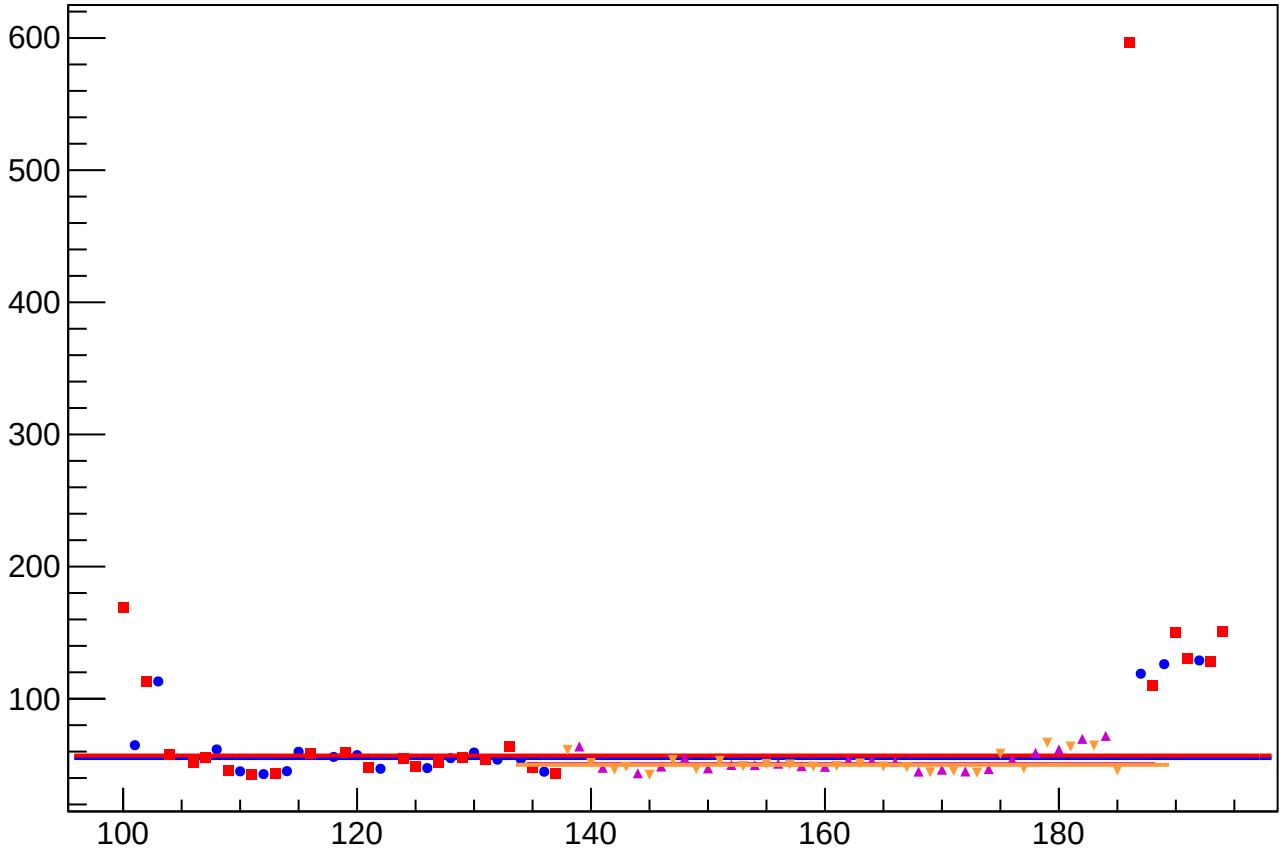
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 32.219+/-9.914 χ^2/NDF: 51.5/43

All: -8.436+/-7.072 χ^2/NDF: 152.8/91

- sign -50.553+/-10.091 χ^2/NDF: 67.1/47

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

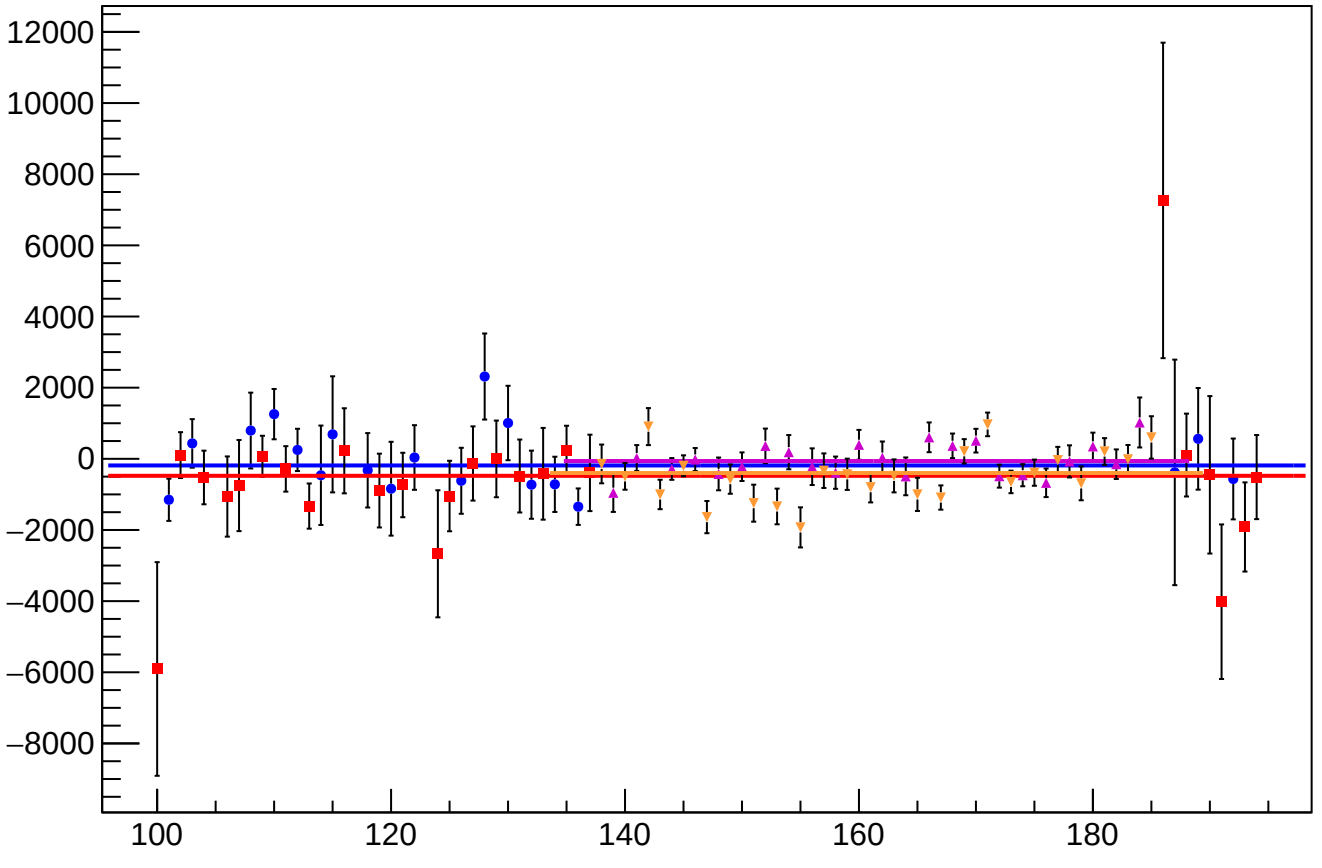
Right Out: 57.041+/-0.013 χ^2/NDF: 3489144.8/24

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 51.325+/-0.007 χ^2/NDF: 2289793.5/43

All: 51.838+/-0.005 χ^2/NDF: 6463632.9/91

- sign 52.369+/-0.007 χ^2/NDF: 4162943.2/47



Right In: -186.294+/-200.112 χ^2/NDF: 21.7/18

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

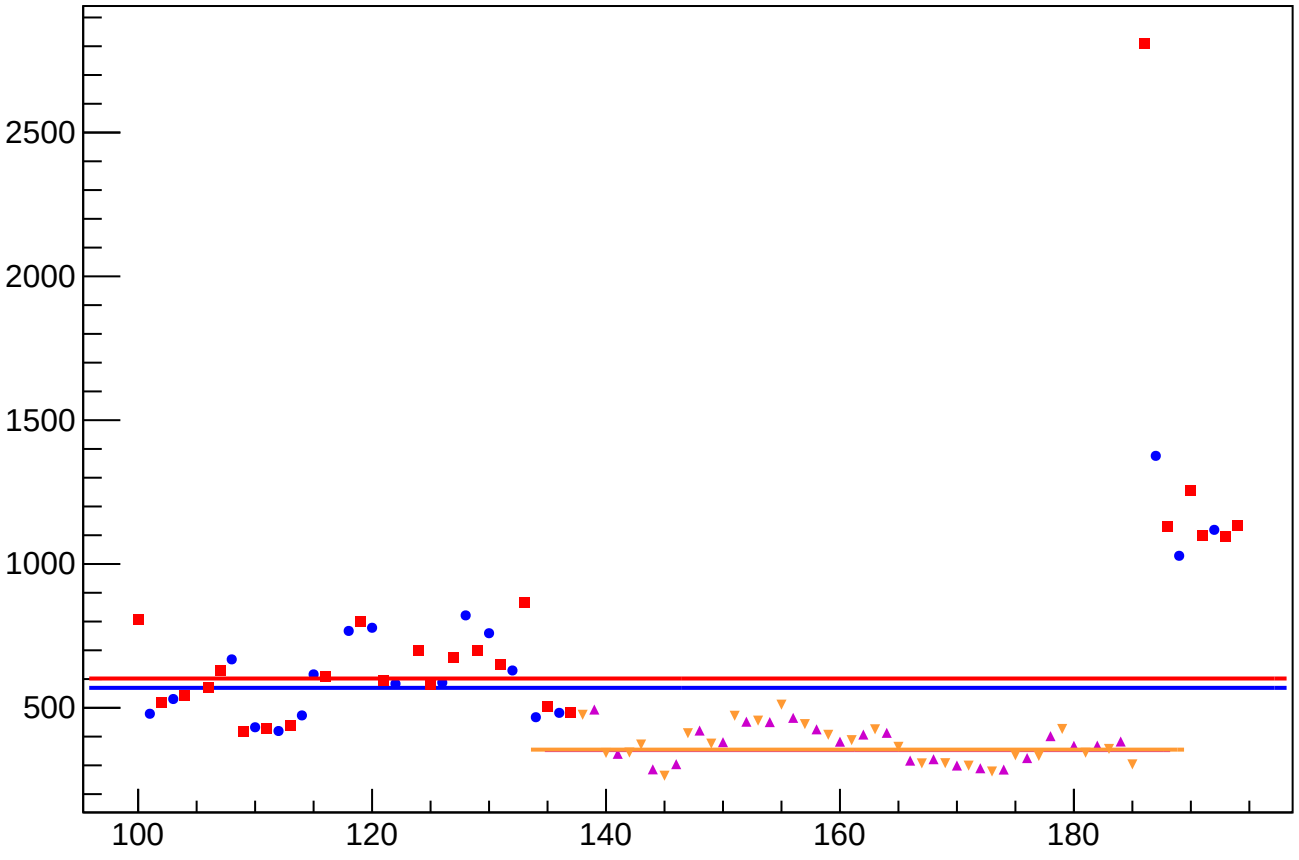
Right Out: -477.099+/-194.036 χ^2/NDF: 18.2/24

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -368.685+/-75.927 χ^2/NDF: 88.1/43

All: -249.743+/-54.065 χ^2/NDF: 139.1/91

- sign -127.406+/-77.003 χ^2/NDF: 46.0/47



Right In: 569.433+/-0.142 χ^2/NDF: 1462975.1/18

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 601.955+/-0.137 χ^2/NDF: 2711501.8/24

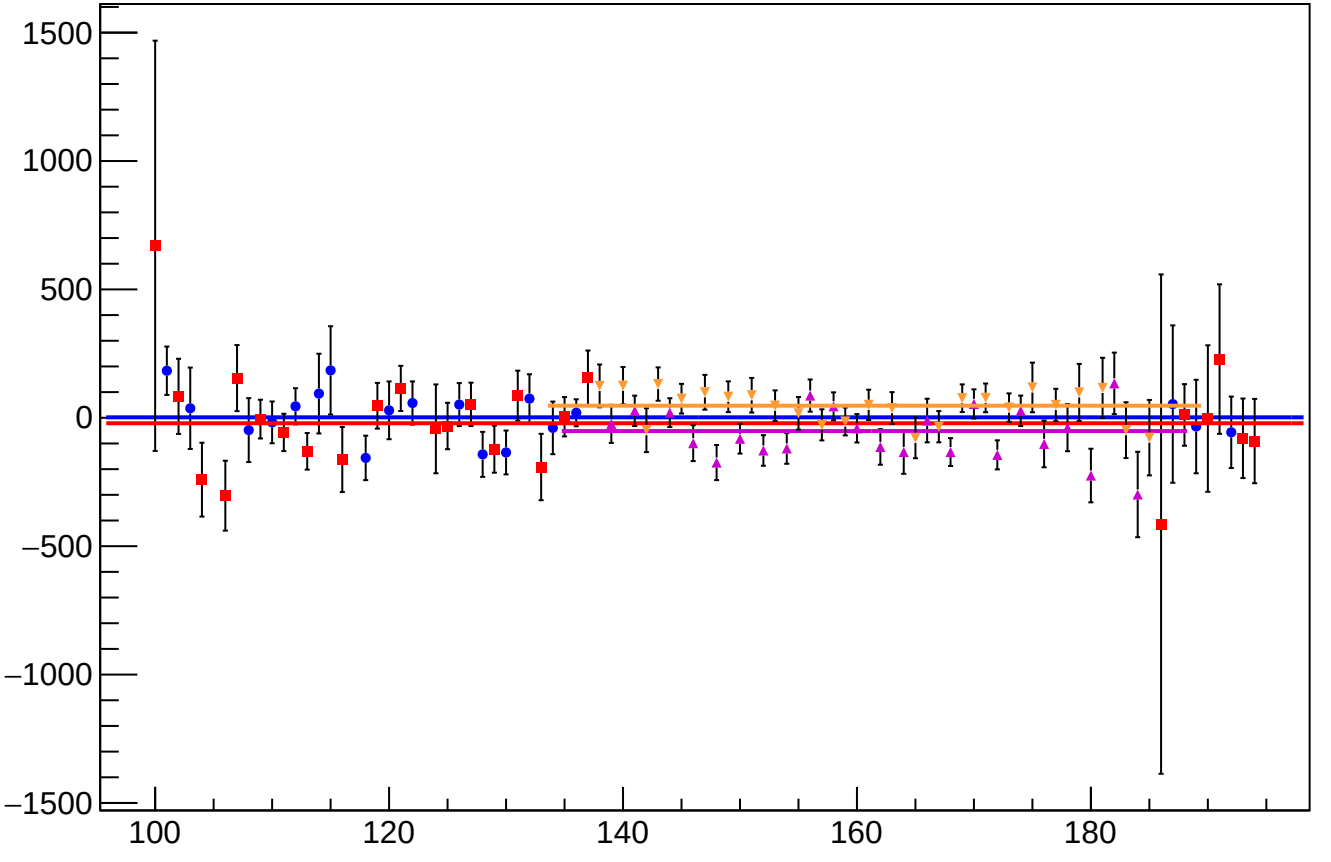
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 385.588+/-0.054 χ^2/NDF: 4580400.9/43

All: 388.897+/-0.038 χ^2/NDF: 11075135.4/91

- sign 392.301+/-0.054 χ^2/NDF: 6487027.3/47

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: -21.254+/-21.809 χ^2/NDF: 25.7/24

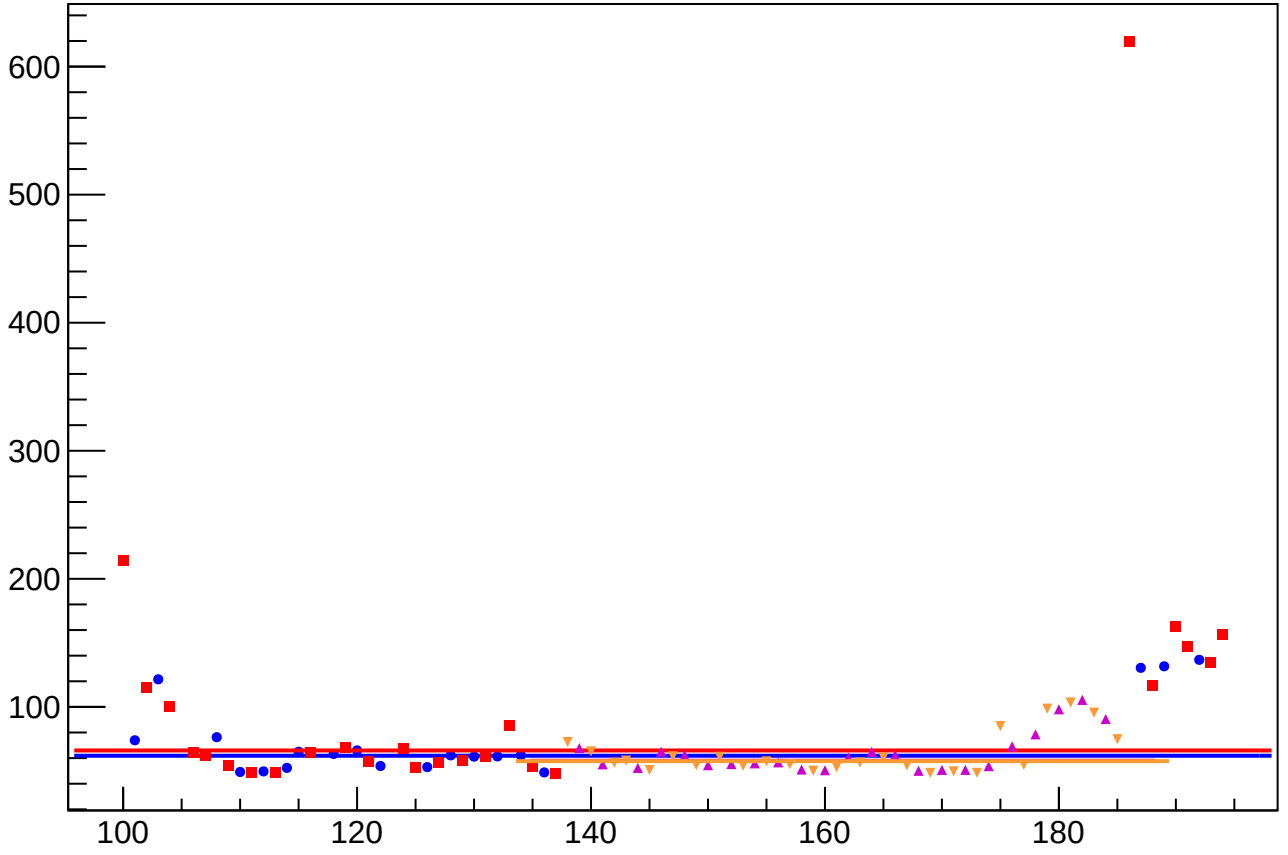
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 34.710+/-11.509 χ^2/NDF: 36.5/43

All: -3.290+/-8.219 χ^2/NDF: 124.0/91

- sign -42.841+/-11.742 χ^2/NDF: 65.3/47

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: 65.972+/-0.015 χ^2/NDF: 3350094.6/24

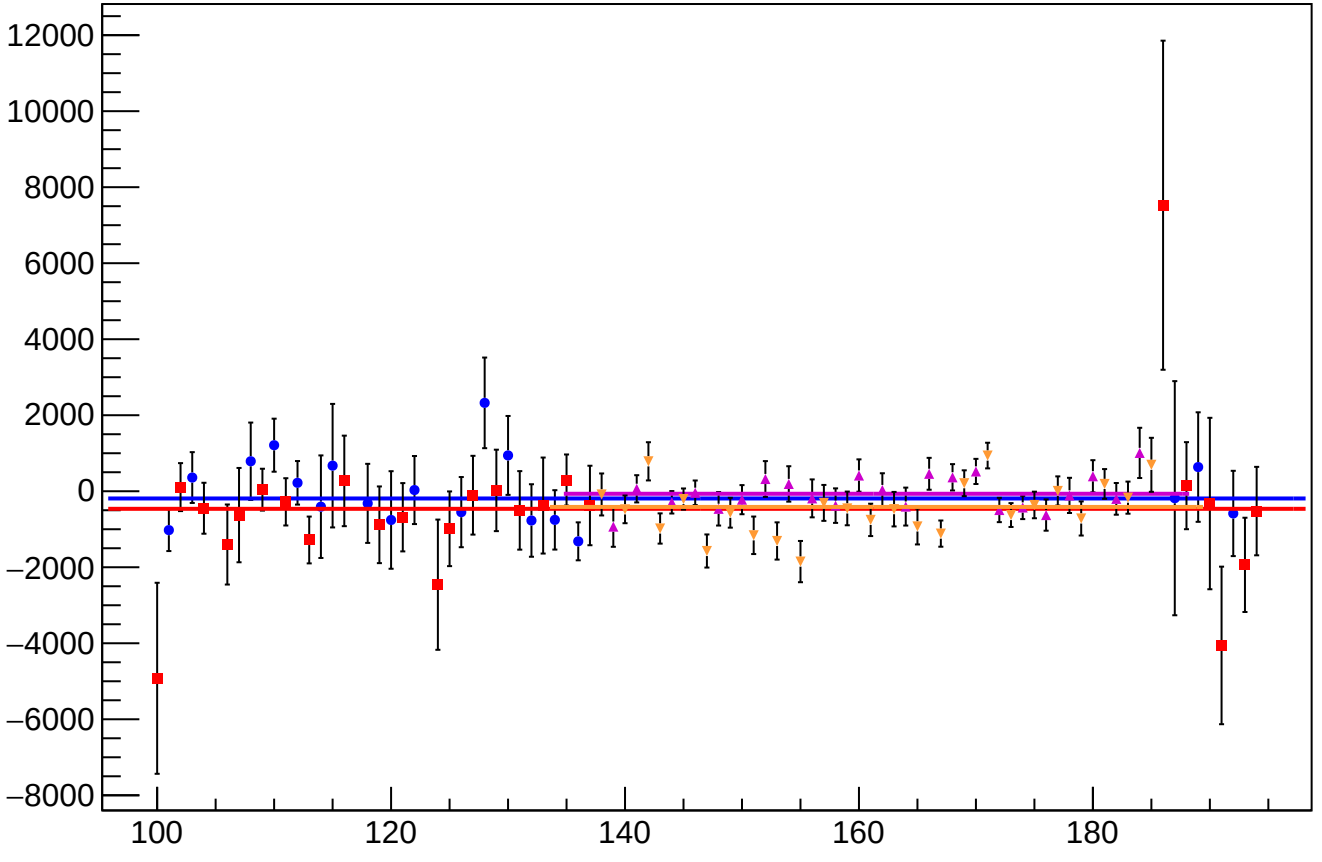
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 58.790+/-0.008 χ^2/NDF: 3021670.4/43

All: 59.514+/-0.006 χ^2/NDF: 7705087.7/91

- sign 60.268+/-0.008 χ^2/NDF: 4667248.4/47

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -190.445+/-195.250 χ^2/NDF: 21.2/18

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -462.735+/-187.648 χ^2/NDF: 19.5/24

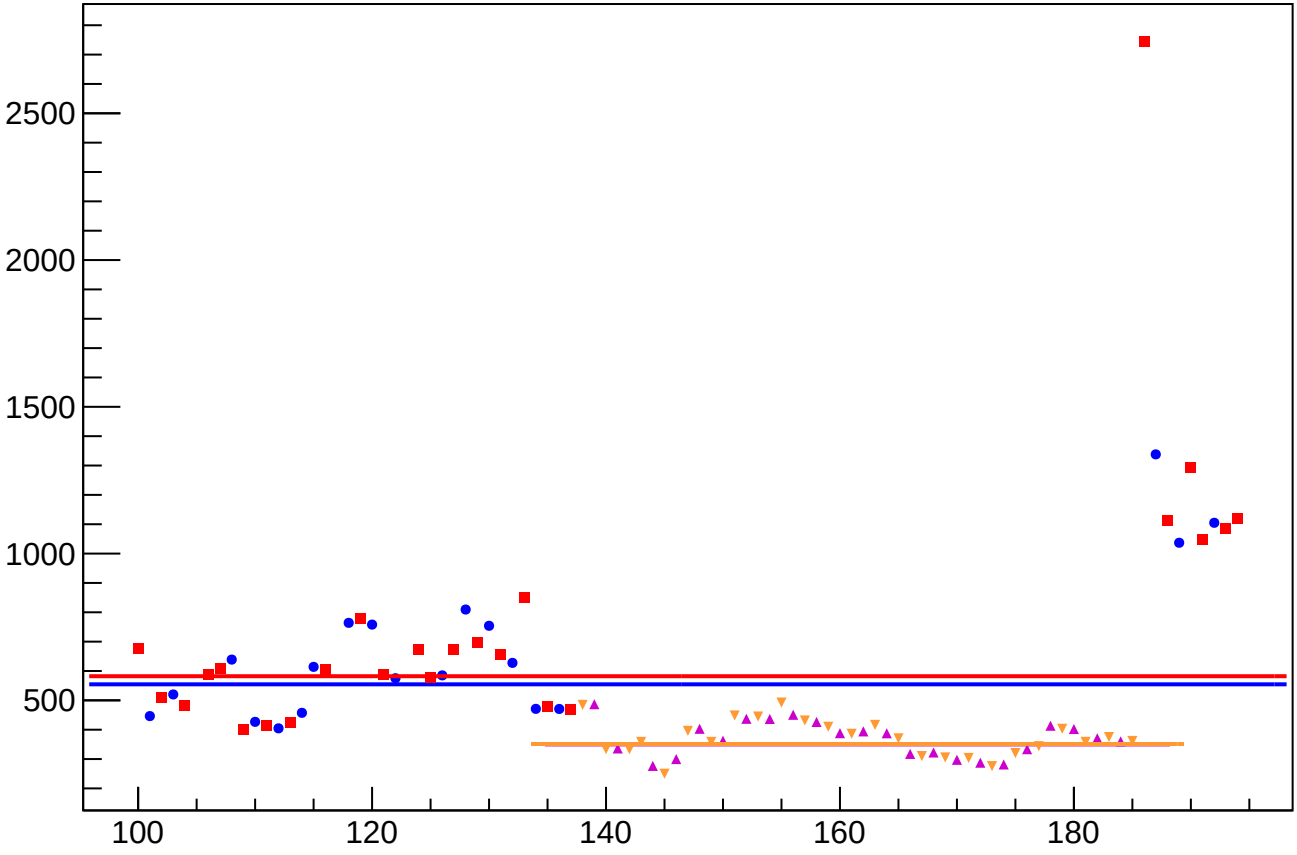
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -380.275+/-74.923 χ^2/NDF: 83.7/43

All: -257.640+/-53.344 χ^2/NDF: 135.2/91

- sign -131.558+/-75.969 χ^2/NDF: 46.1/47

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: 582.222+/-0.133 χ^2/NDF: 2843028.8/24

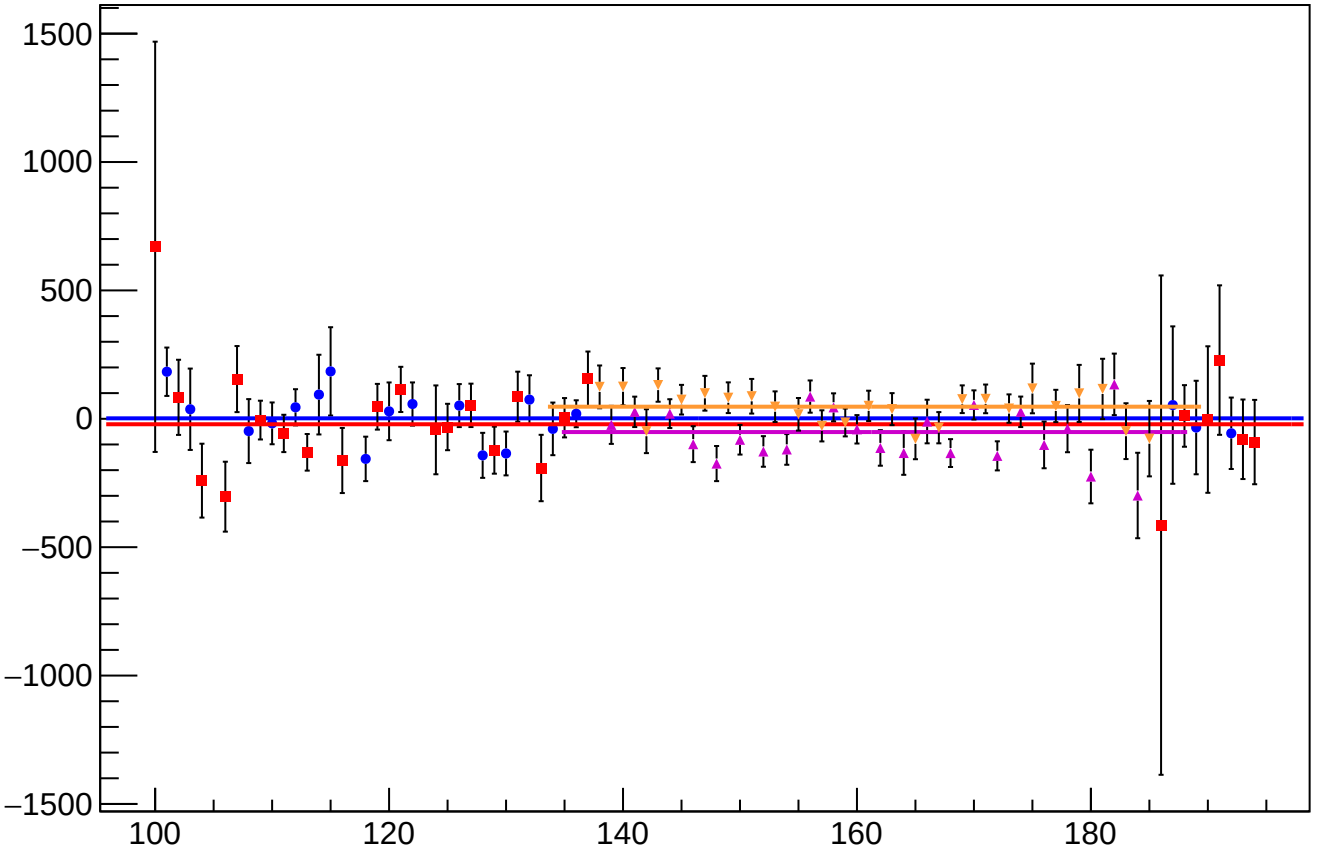
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 381.204+/-0.053 χ^2/NDF: 4506443.4/43

All: 384.508+/-0.038 χ^2/NDF: 10912833.8/91

- sign 387.905+/-0.054 χ^2/NDF: 6398501.4/47

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: -21.253+/-21.810 χ^2/NDF: 25.7/24

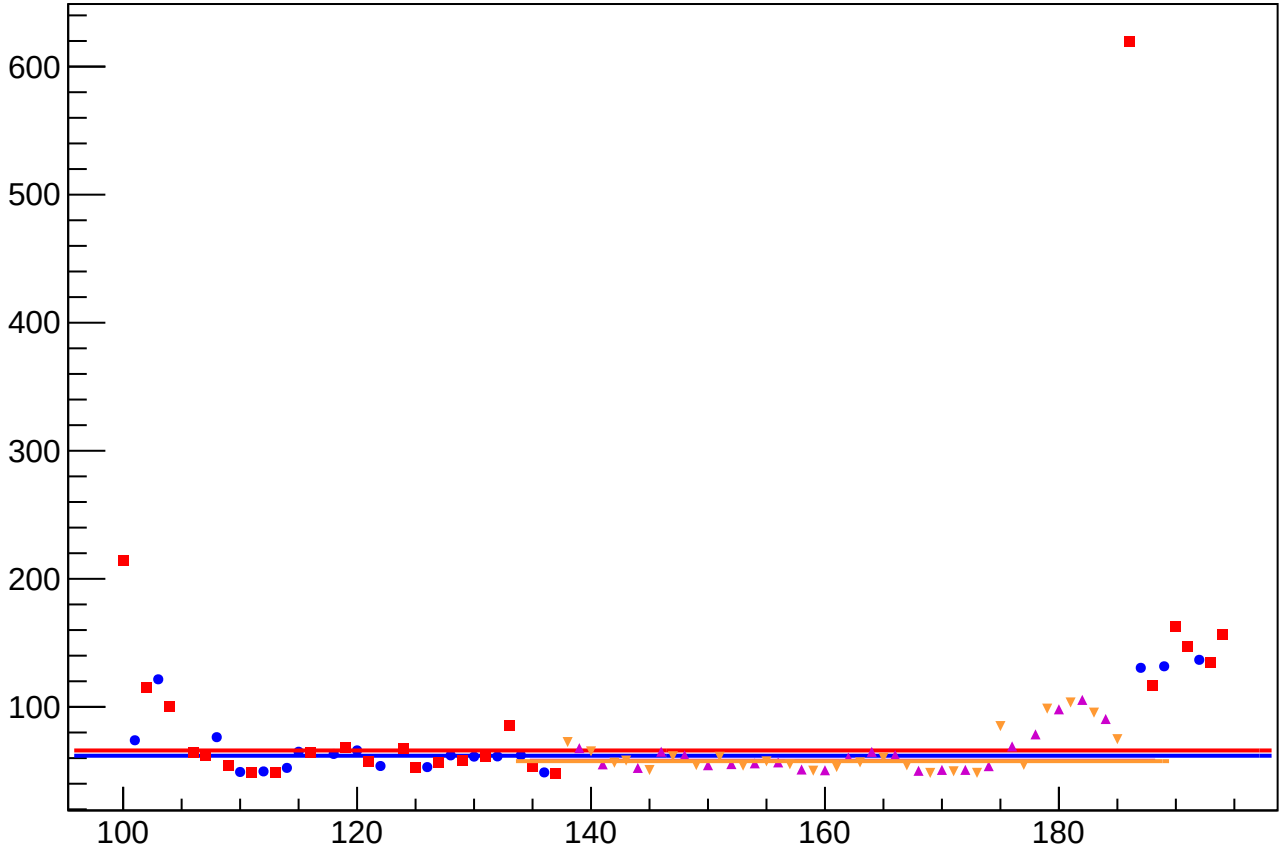
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 34.710+/-11.509 χ^2/NDF: 36.5/43

All: -3.290+/-8.219 χ^2/NDF: 124.0/91

- sign -42.840+/-11.742 χ^2/NDF: 65.3/47

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

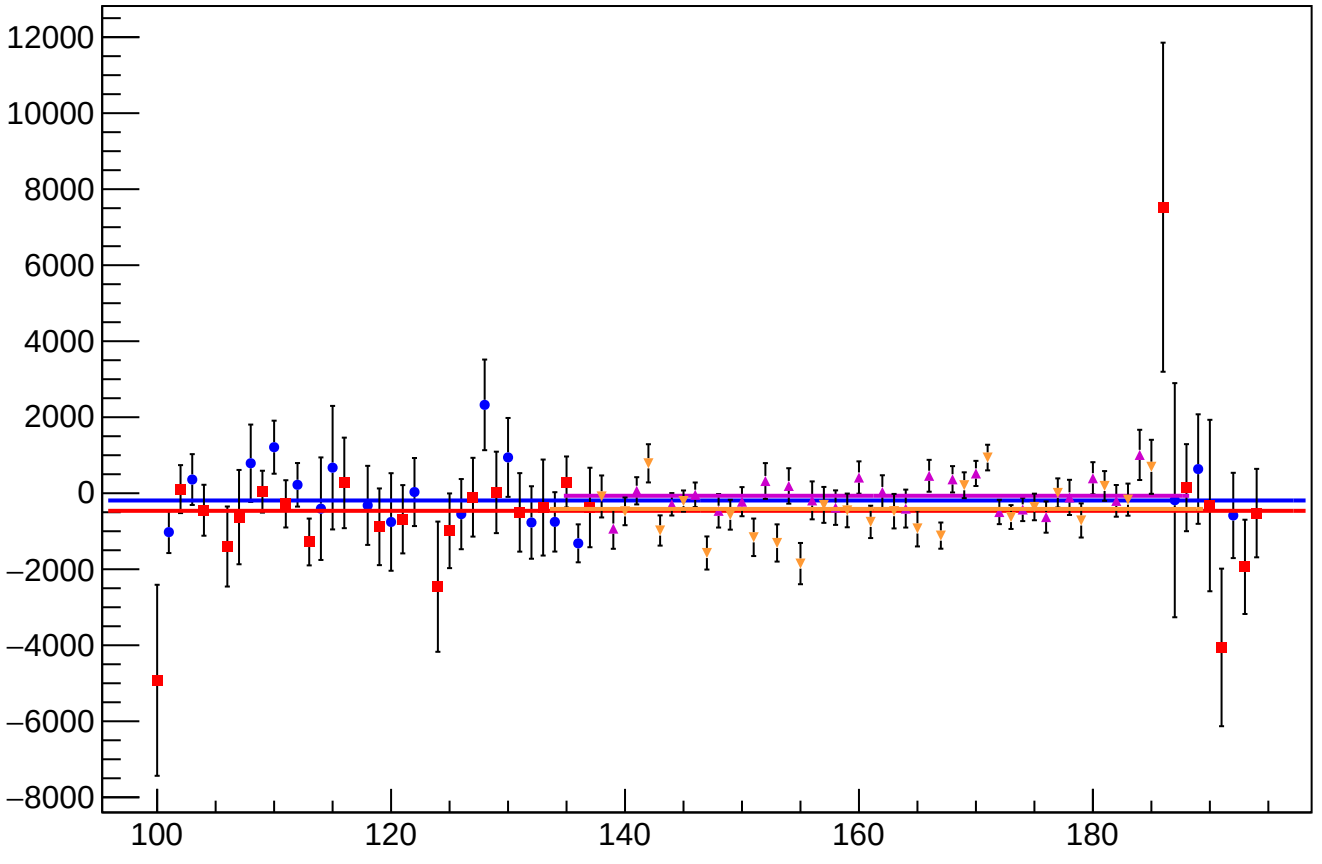
Right Out: 65.972+/-0.015 χ^2/NDF: 3350093.3/24

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 58.790+/-0.008 χ^2/NDF: 3021661.1/43

All: 59.514+/-0.006 χ^2/NDF: 7705064.4/91

- sign 60.268+/-0.008 χ^2/NDF: 4667233.8/47



Right In: -190.445+/-195.249 χ^2/NDF: 21.2/18

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

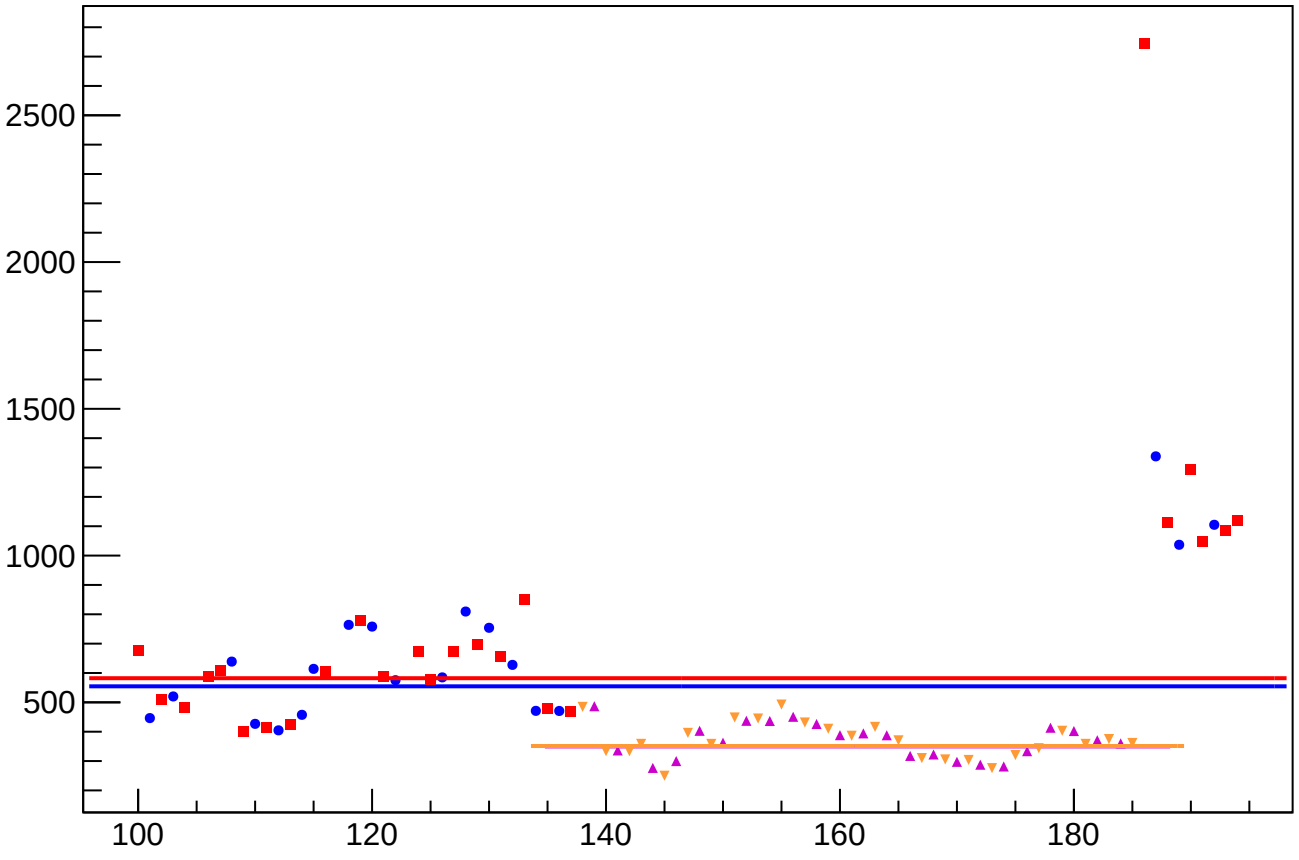
Right Out: -462.735+/-187.647 χ^2/NDF: 19.5/24

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -380.274+/-74.923 χ^2/NDF: 83.7/43

All: -257.639+/-53.344 χ^2/NDF: 135.2/91

- sign -131.558+/-75.969 χ^2/NDF: 46.1/47



Right In: 554.590+/-0.138 χ^2/NDF: 1538676.0/18

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 582.220+/-0.133 χ^2/NDF: 2843031.0/24

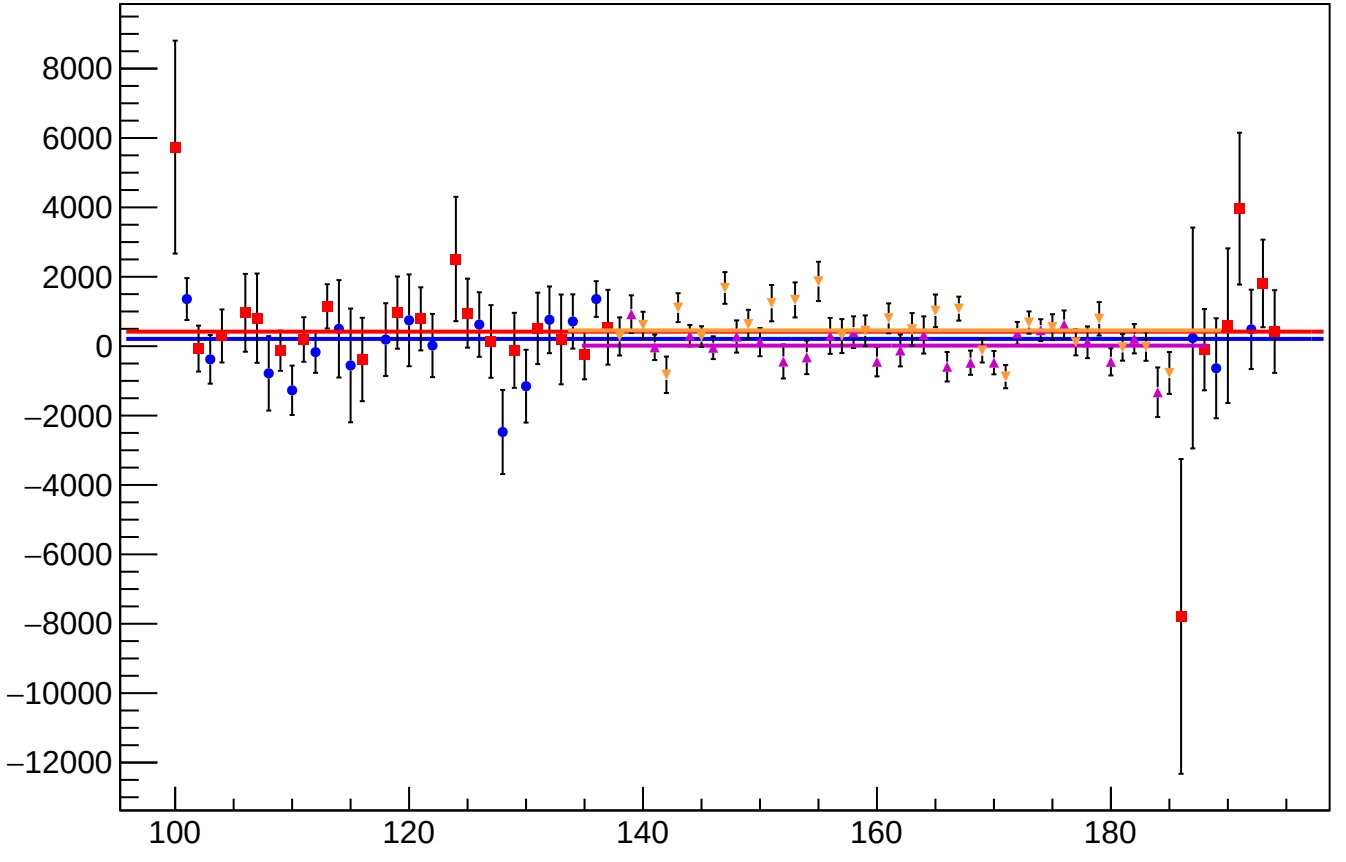
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 381.203+/-0.053 χ^2/NDF: 4506436.2/43

All: 384.508+/-0.038 χ^2/NDF: 10912809.9/91

- sign 387.905+/-0.054 χ^2/NDF: 6398484.4/47

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: 418.642+/-195.444 χ^2/NDF: 17.3/24

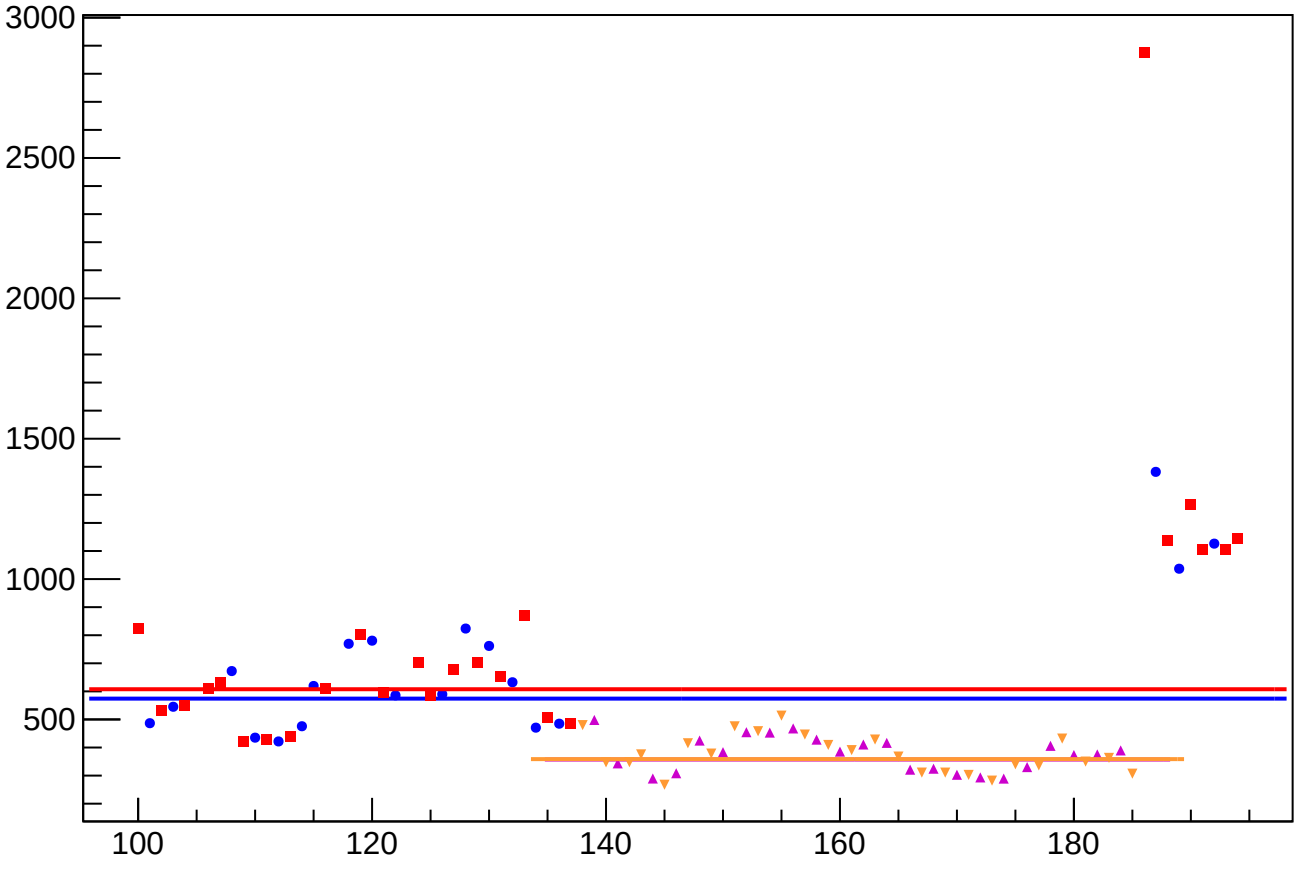
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

\+ sign 419.668+/-76.726 χ^2/NDF: 85.4/43

All: 252.177+/-54.635 χ^2/NDF: 140.8/91

\- sign 79.890+/-77.817 χ^2/NDF: 45.8/47

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

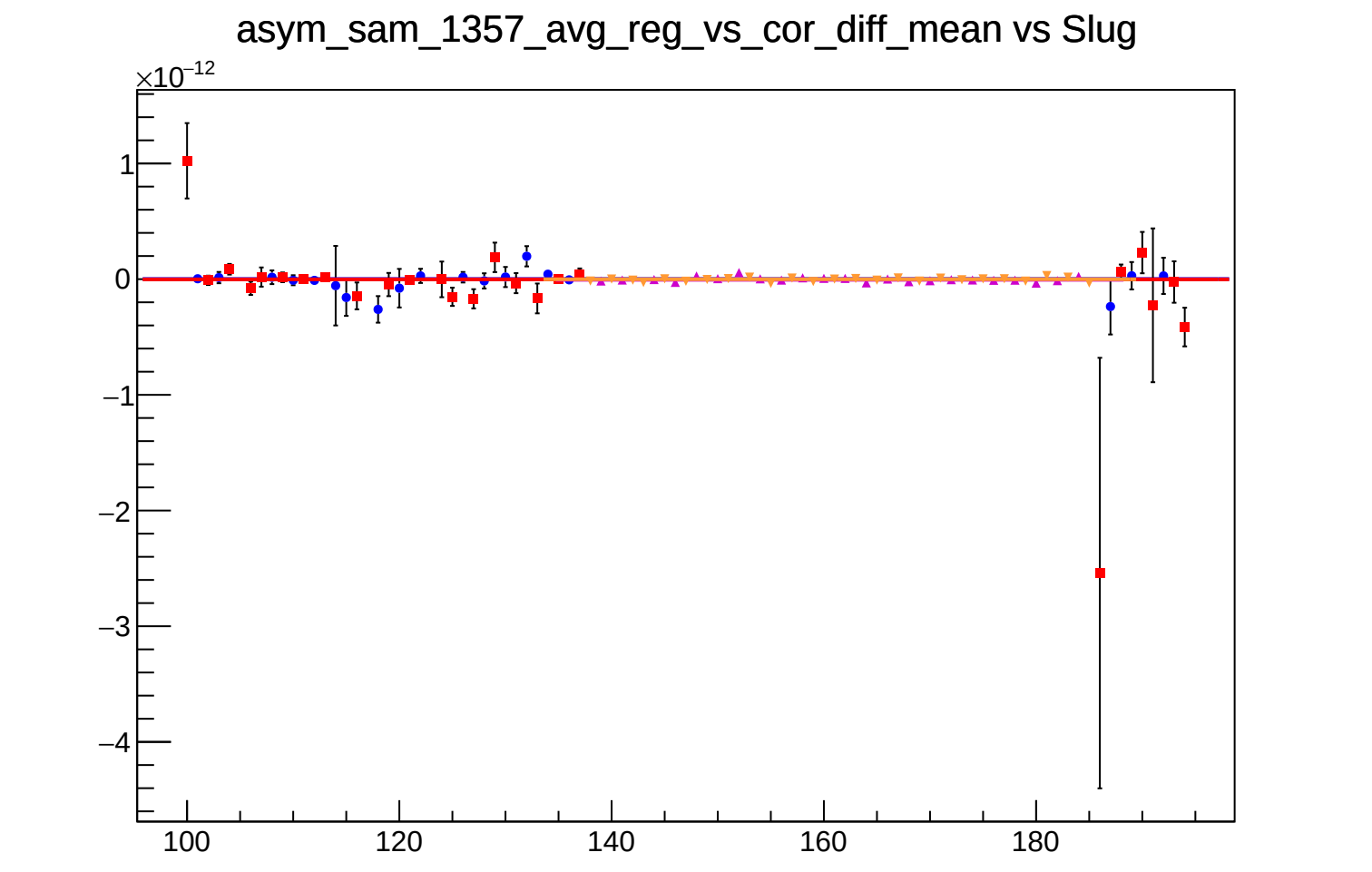
Right Out: 607.646+/-0.138 χ^2/NDF: 2707147.3/24

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 389.855+/-0.054 χ^2/NDF: 4524094.1/43

All: 393.321+/-0.039 χ^2/NDF: 10985015.3/91

- sign 396.887+/-0.055 χ^2/NDF: 6452639.1/47



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: 40.7/24

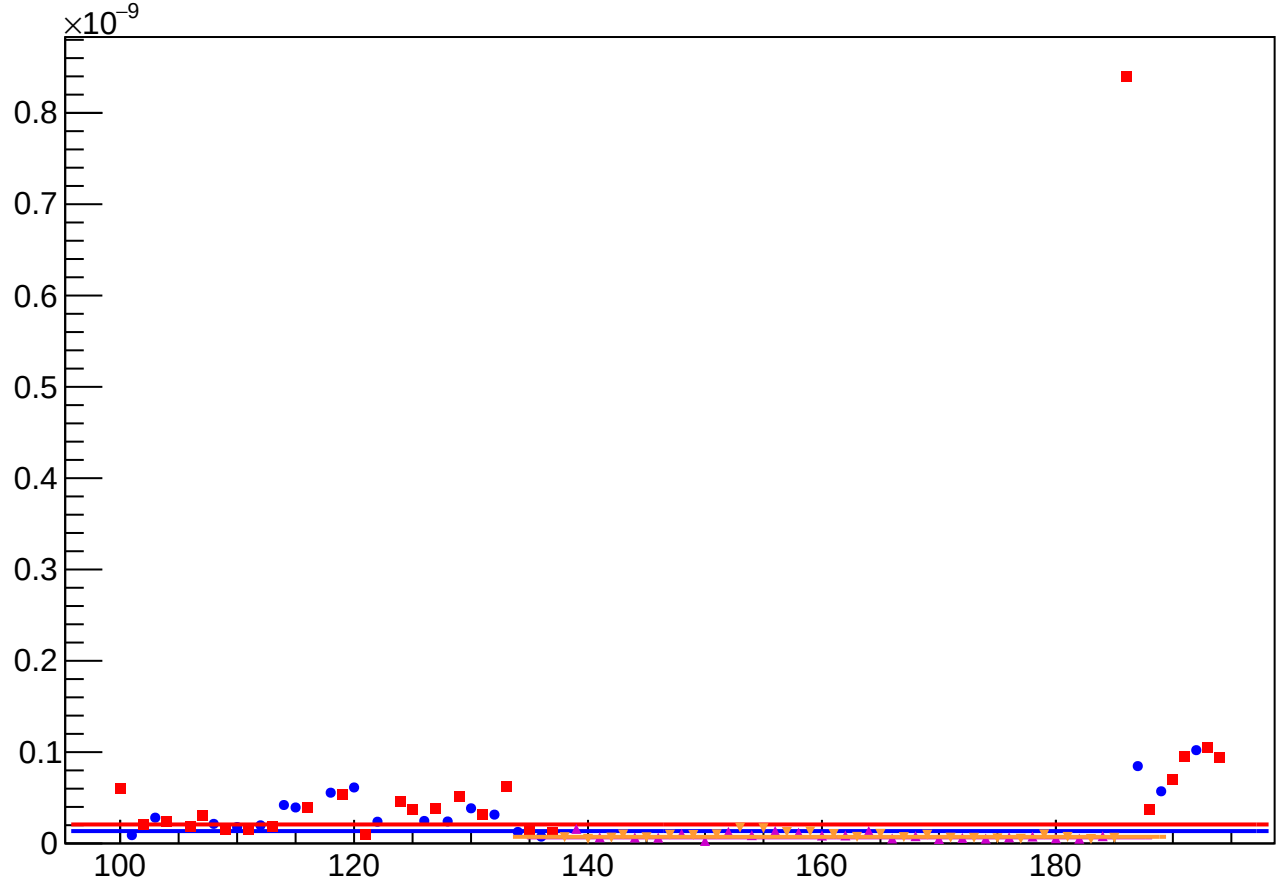
Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.9/43

All: -0.000+/-0.000 χ^2/NDF: 103.7/91

- sign -0.000+/-0.000 χ^2/NDF: 69.3/47

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2853197.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2905950.0/24

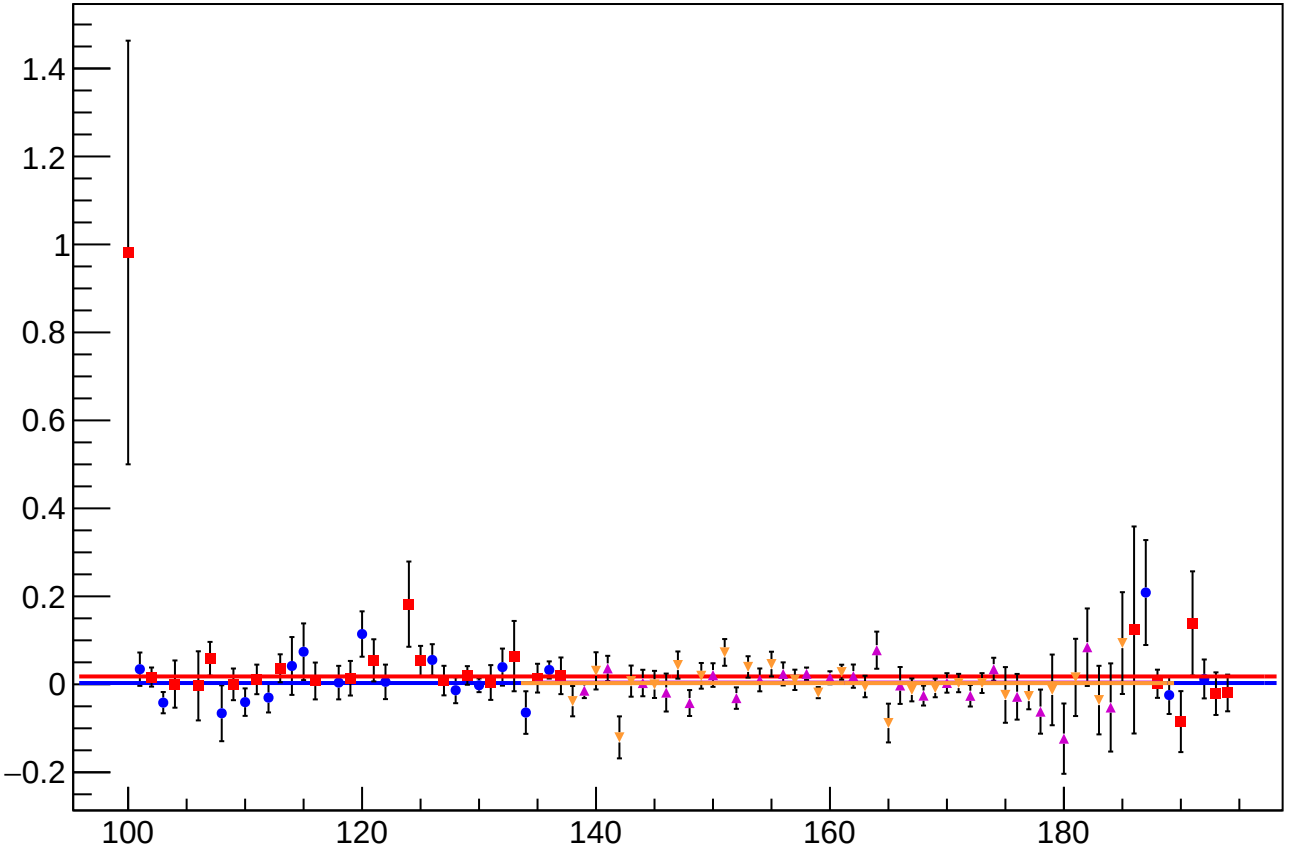
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 5172710.2/43

All: 0.000+/-0.000 χ^2/NDF: 12542352.3/91

- sign 0.000+/-0.000 χ^2/NDF: 7347376.1/47

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: 0.018+/-0.008 χ^2/NDF: 16.2/24

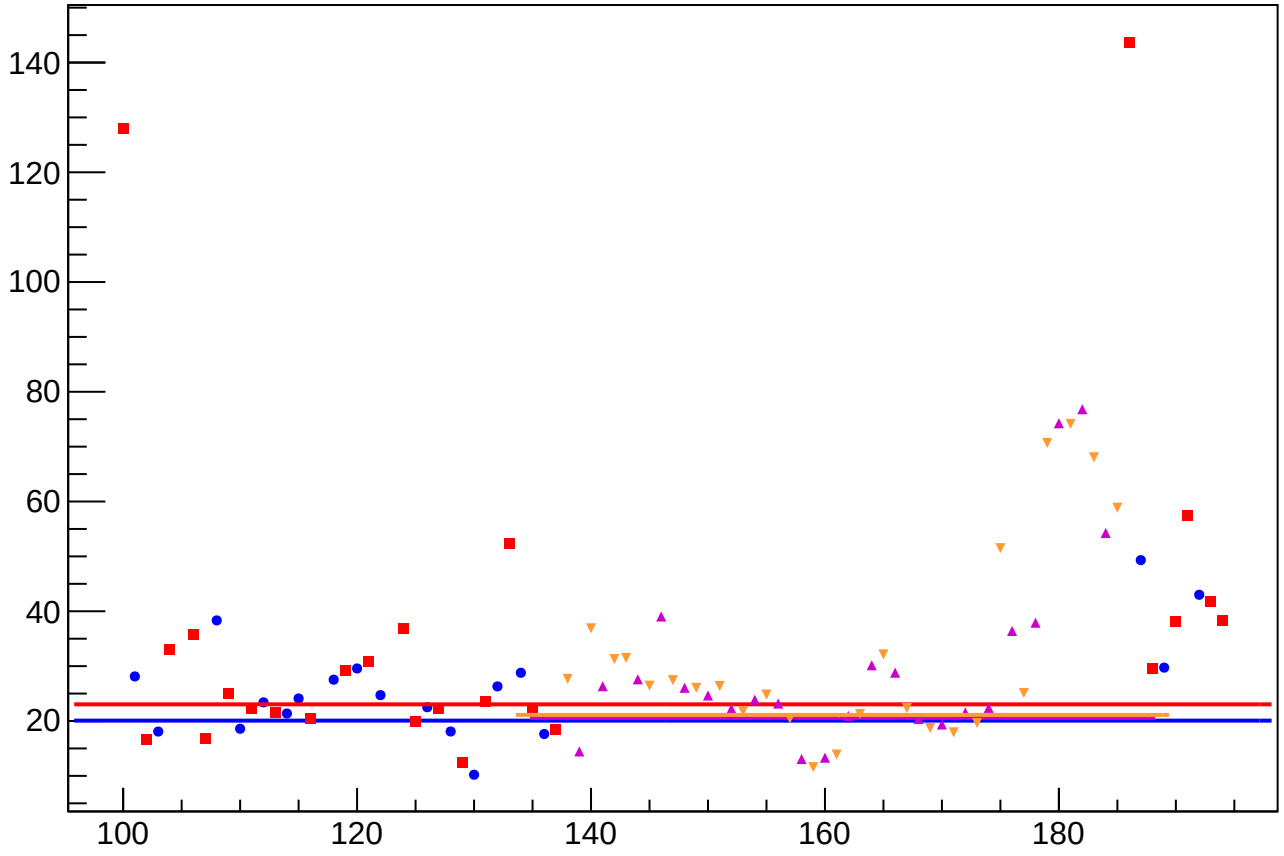
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 58.2/43

All: 0.006+/-0.003 χ^2/NDF: 101.9/91

- sign 0.008+/-0.004 χ^2/NDF: 43.0/47

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

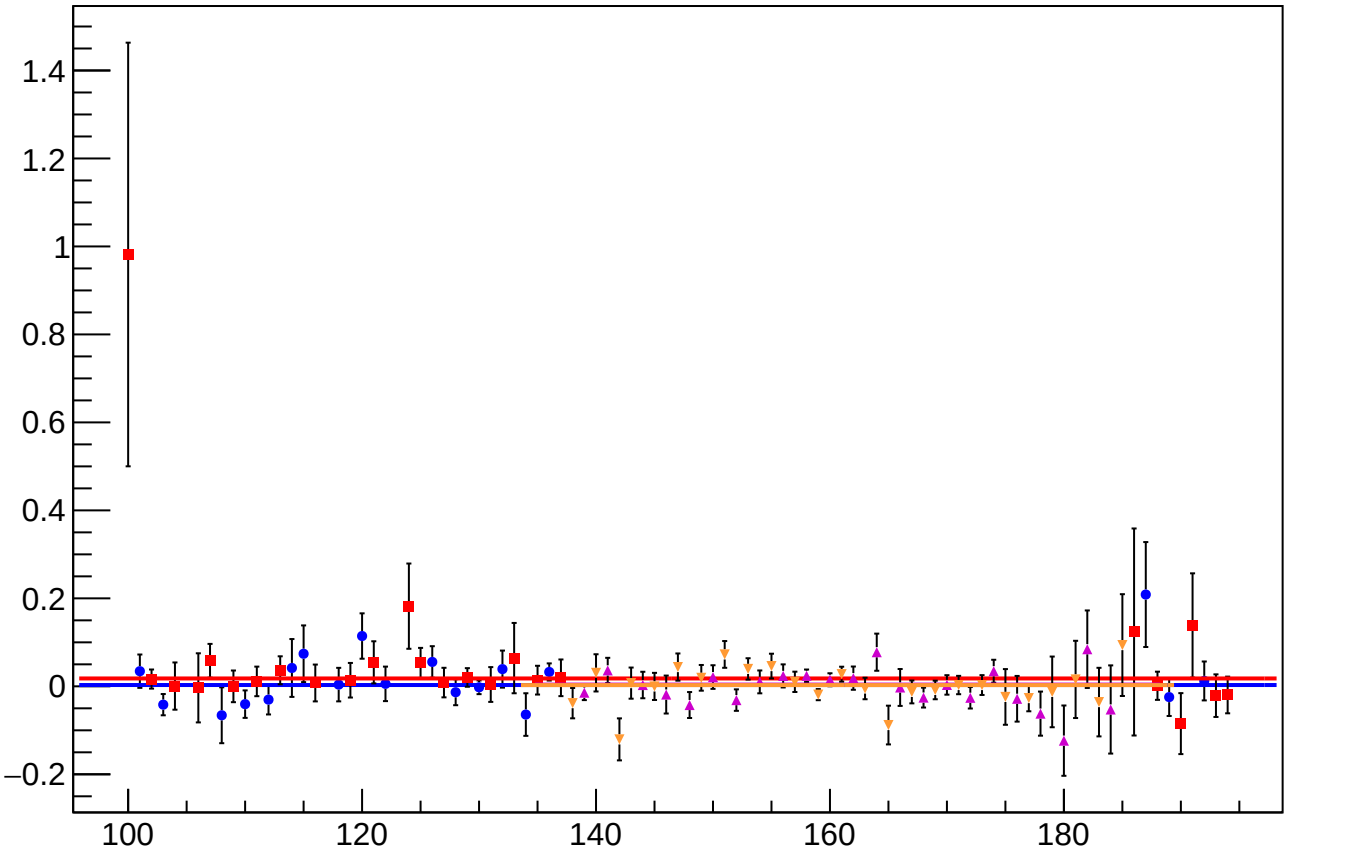
Right Out: 23.039+/-0.006 χ^2/NDF: 2873191.6/24

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.752+/-0.003 χ^2/NDF: 7764977.7/43

All: 21.066+/-0.002 χ^2/NDF: 15389668.9/91

- sign 21.386+/-0.003 χ^2/NDF: 7604355.2/47



Right In: 0.003+/-0.008 χ^2/NDF: 25.4/18

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

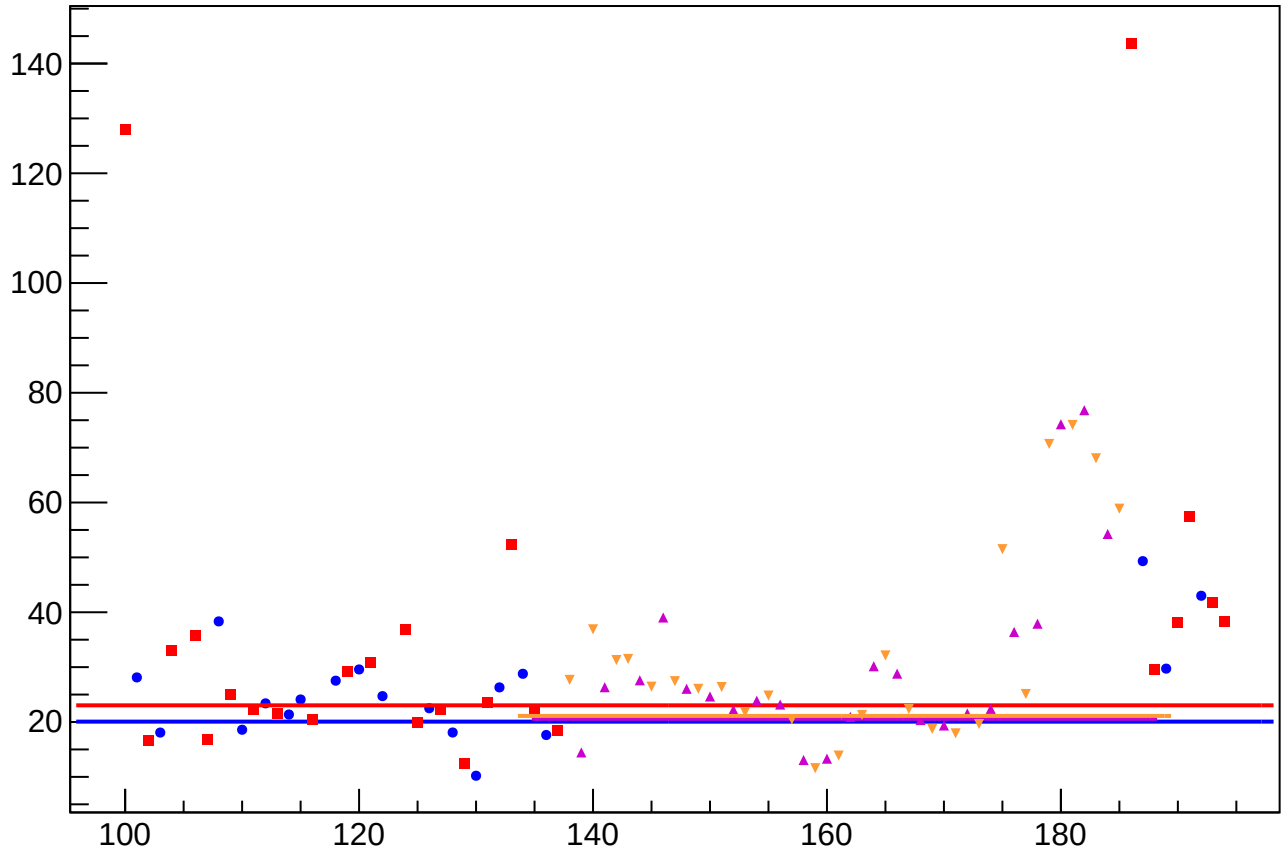
Right Out: 0.018+/-0.008 χ^2/NDF: 16.2/24

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 58.2/43

All: 0.006+/-0.003 χ^2/NDF: 101.9/91

- sign 0.008+/-0.004 χ^2/NDF: 43.0/47



Right In: 20.069+/-0.005 χ^2/NDF: 2193555.3/18

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

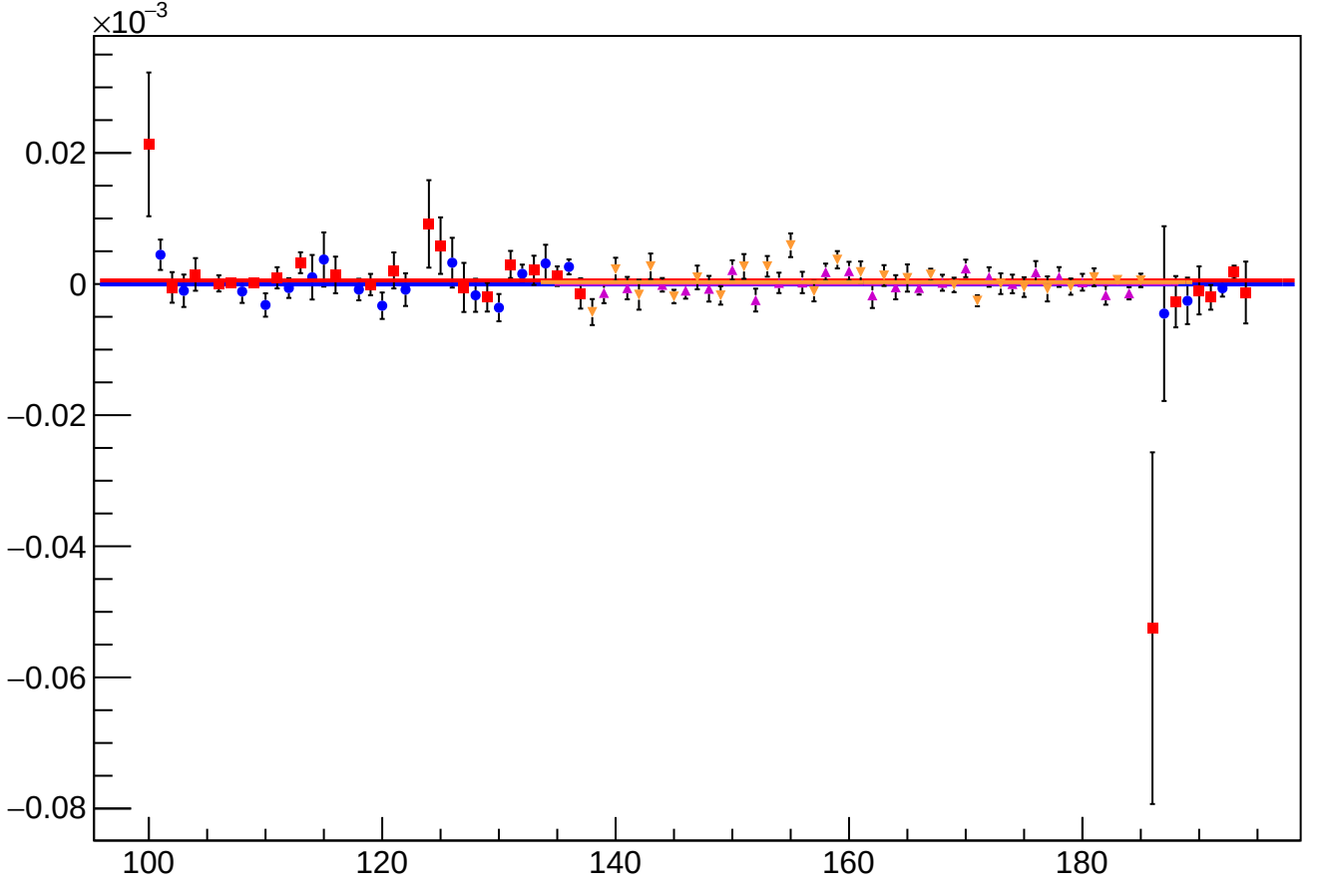
Right Out: 23.039+/-0.006 χ^2/NDF: 2873191.6/24

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.752+/-0.003 χ^2/NDF: 7764977.7/43

All: 21.066+/-0.002 χ^2/NDF: 15389668.9/91

- sign 21.386+/-0.003 χ^2/NDF: 7604355.2/47



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

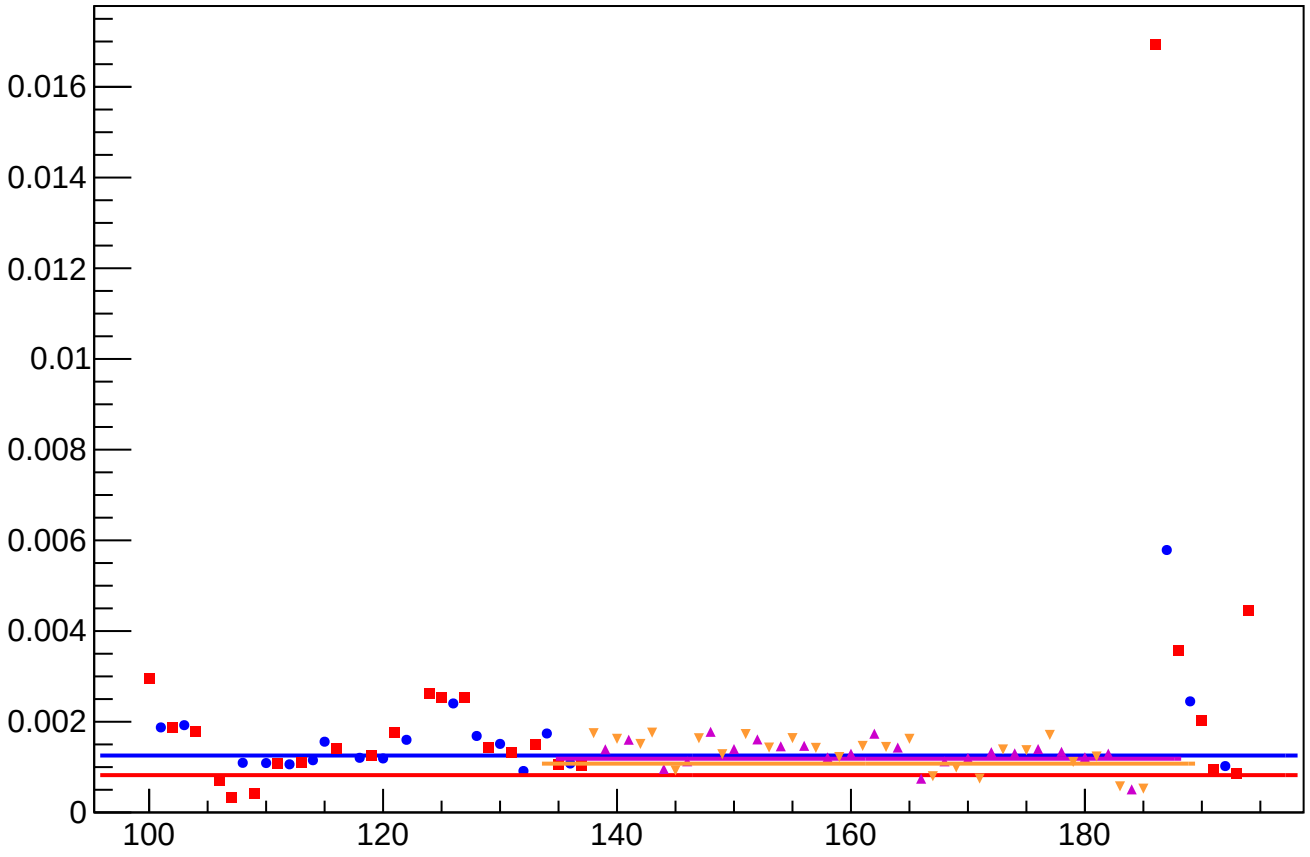
Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/24

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.5/43

All: 0.000+/-0.000 χ^2/NDF: 122.9/91

- sign 0.000+/-0.000 χ^2/NDF: 45.4/47



Right In: 0.001+/-0.000 χ^2/NDF: 1433297.4/18

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

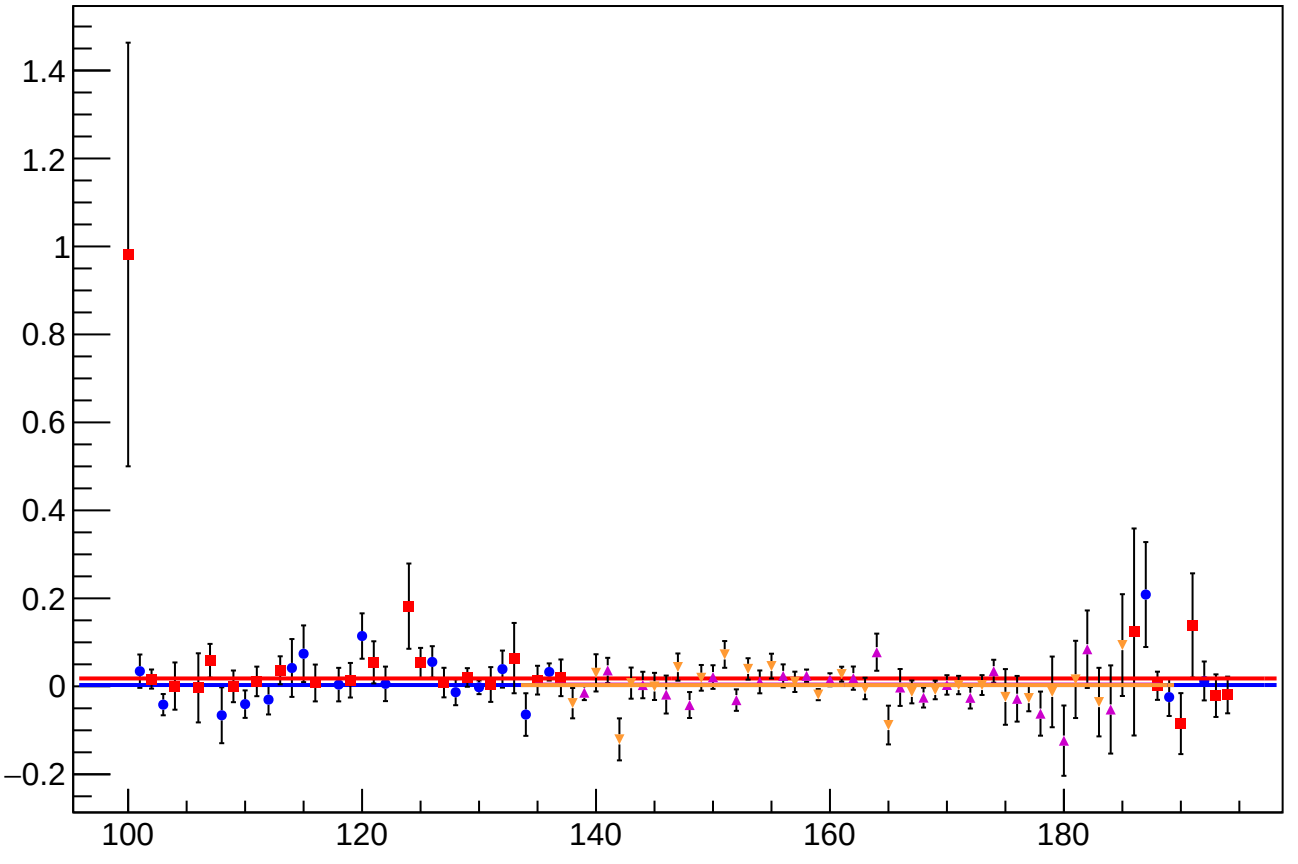
Right Out: 0.001+/-0.000 χ^2/NDF: 7870578.8/24

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 6213615.0/43

All: 0.001+/-0.000 χ^2/NDF: 18204432.4/91

- sign 0.001+/-0.000 χ^2/NDF: 11768859.5/47



Right In: 0.003+/-0.008 χ^2/NDF: 25.4/18

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

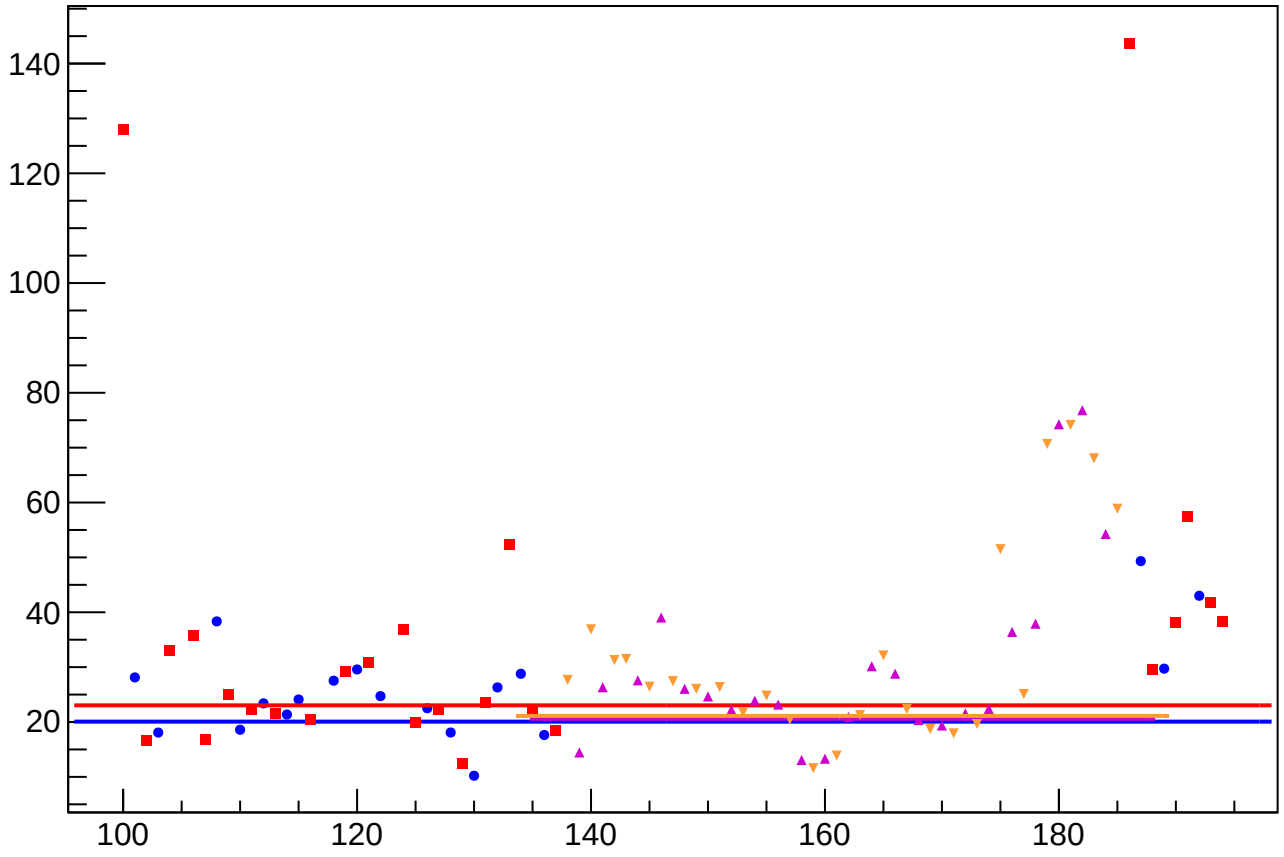
Right Out: 0.018+/-0.008 χ^2/NDF: 16.2/24

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 58.2/43

All: 0.006+/-0.003 χ^2/NDF: 101.9/91

- sign 0.008+/-0.004 χ^2/NDF: 43.0/47



Right In: 20.070+/-0.005 χ^2/NDF: 2193426.9/18

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 23.039+/-0.006 χ^2/NDF: 2873186.6/24

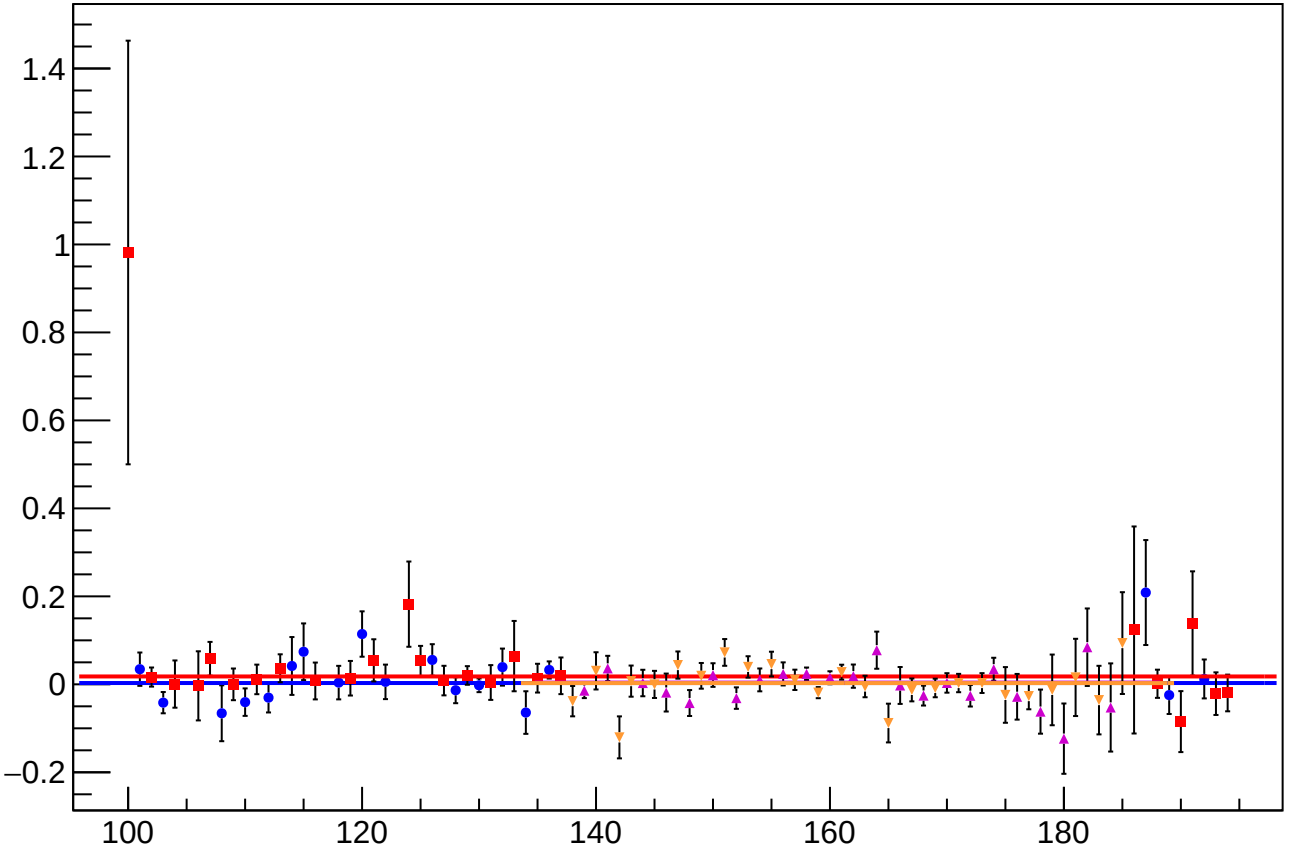
Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

\+ sign 20.753+/-0.003 χ^2/NDF: 7764966.1/43

All: 21.066+/-0.002 χ^2/NDF: 15389654.9/91

\- sign 21.386+/-0.003 χ^2/NDF: 7604350.4/47

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

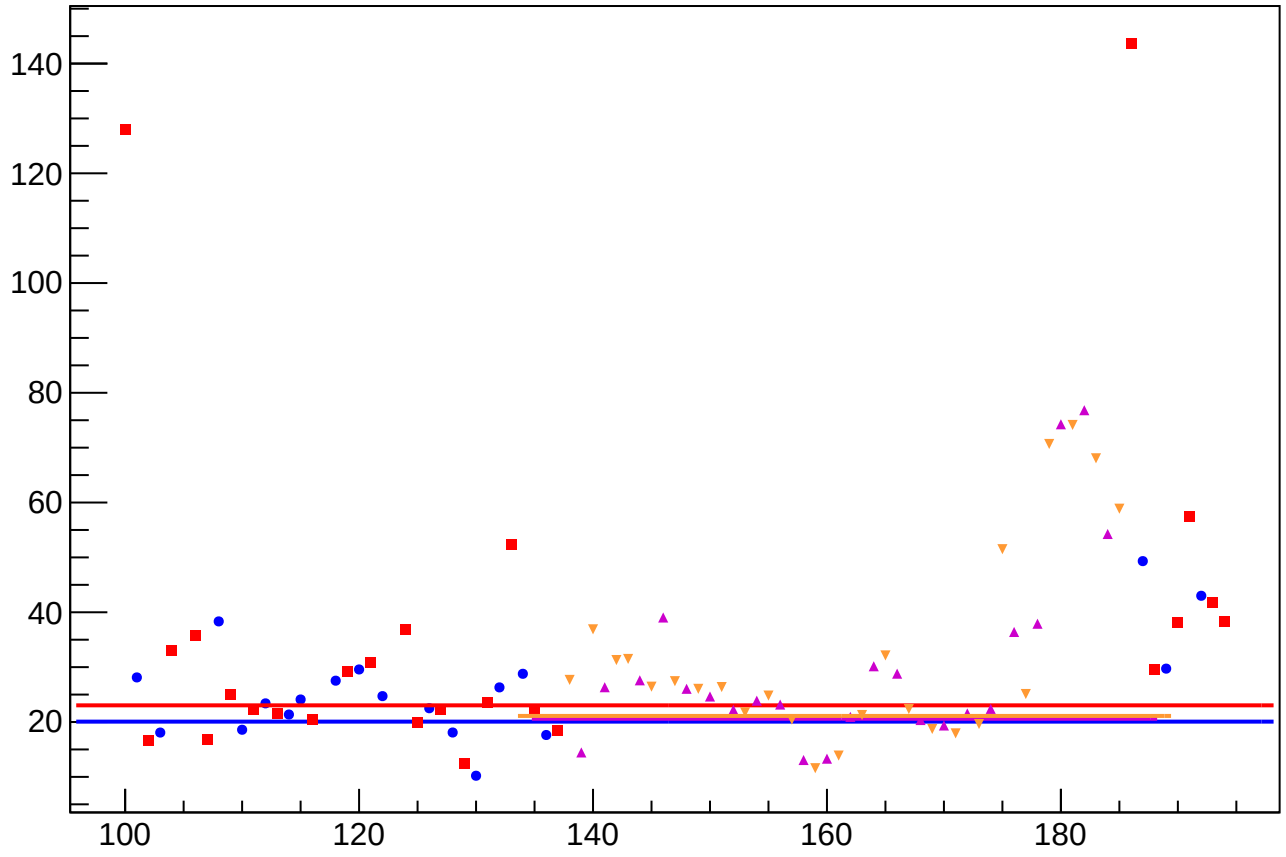
Right Out: 0.018+/-0.008 χ^2/NDF: 16.2/24

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: 101.9/91

- sign 0.008+/-0.004 χ^2/NDF: 43.0/47



Right In: 20.070+/-0.005 χ^2/NDF: 2193426.9/18

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

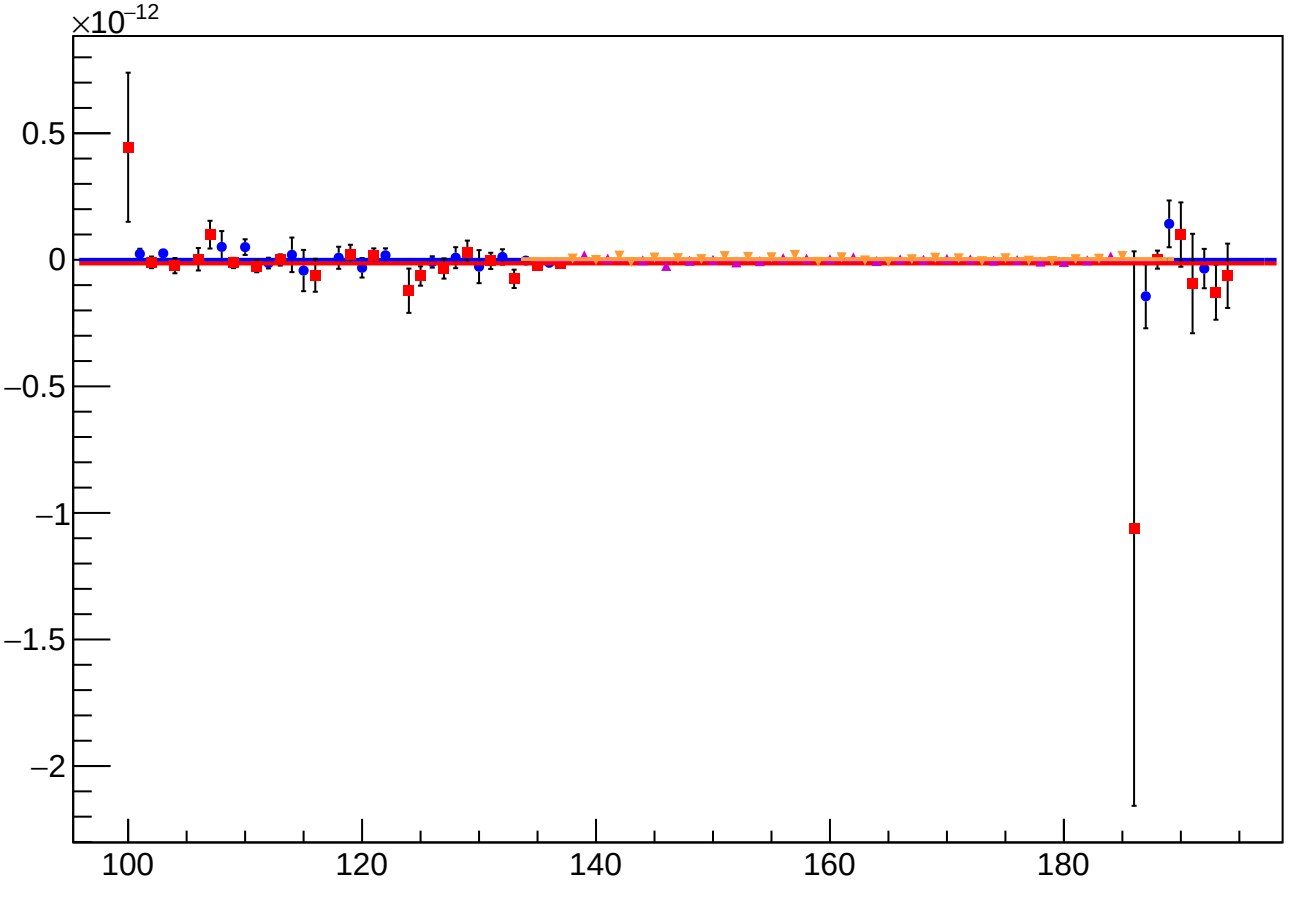
Right Out: 23.039+/-0.006 χ^2/NDF: 2873186.6/24

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.753+/-0.003 χ^2/NDF: 7764966.1/43

All: 21.066+/-0.002 χ^2/NDF: 15389654.9/91

- sign 21.386+/-0.003 χ^2/NDF: 7604350.4/47



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/18

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

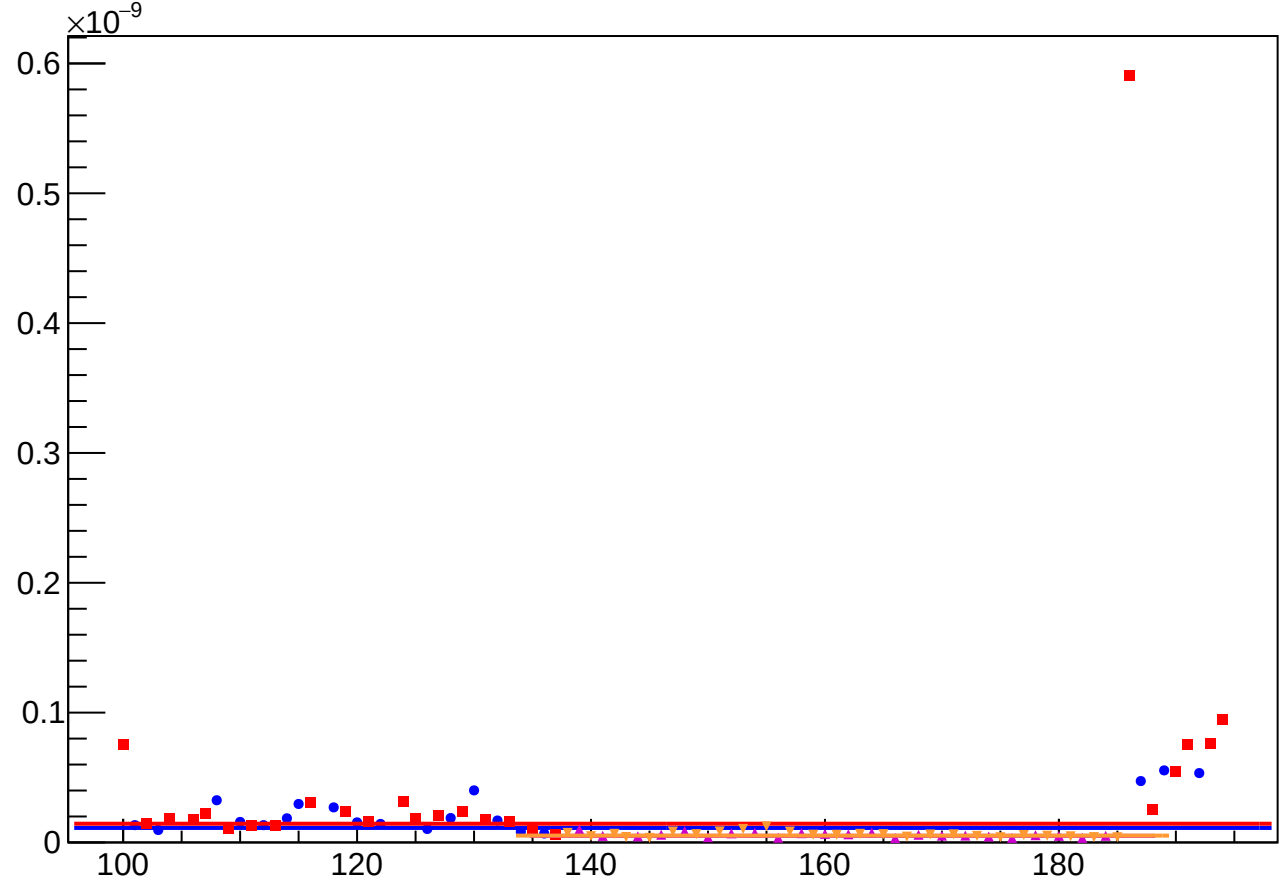
Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/24

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.2/43

All: 0.000+/-0.000 χ^2/NDF: 85.4/91

- sign -0.000+/-0.000 χ^2/NDF: 46.6/47



Right In: 0.000+/-0.000 χ^2/NDF: 3062961.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4020830.3/24

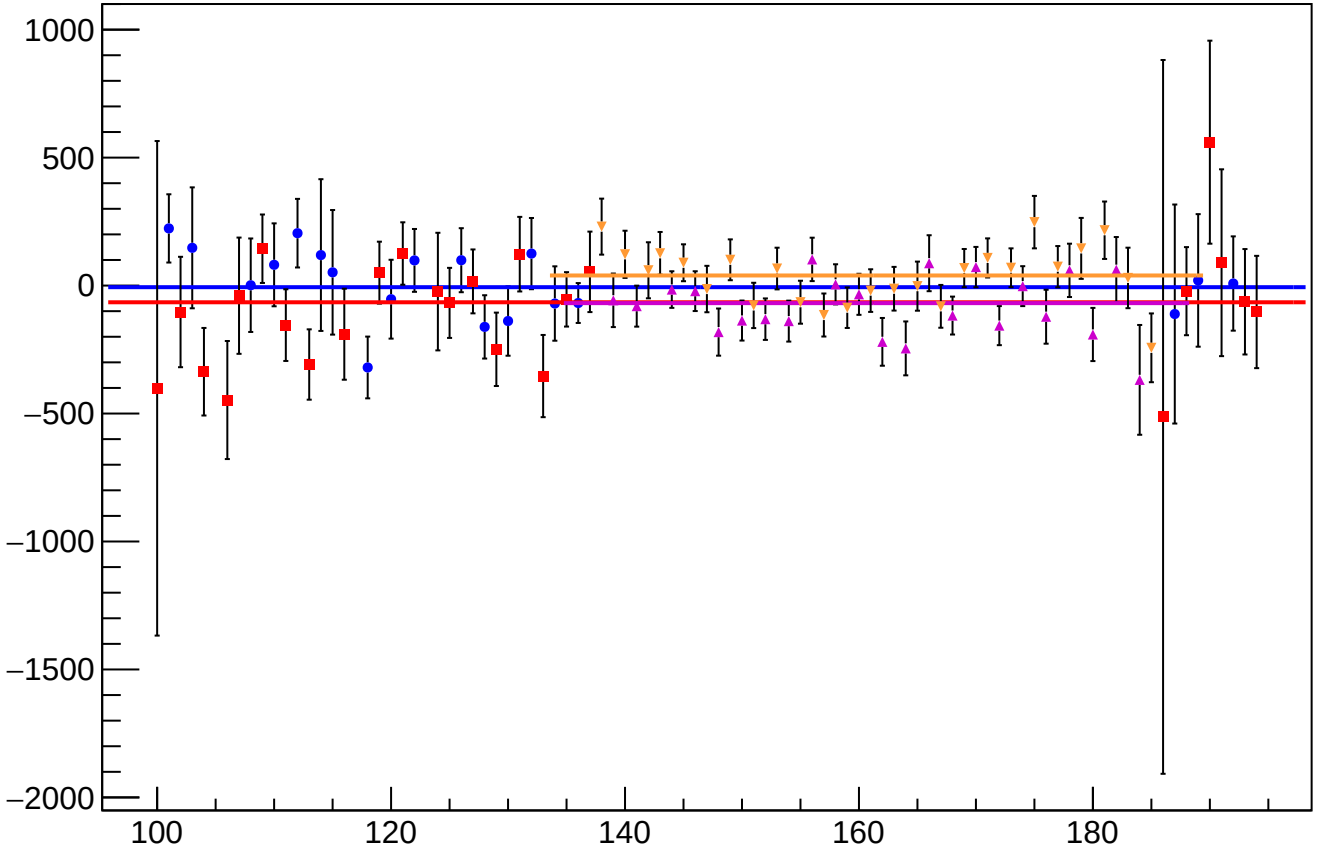
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7206250.7/43

All: 0.000+/-0.000 χ^2/NDF: 16965089.5/91

- sign 0.000+/-0.000 χ^2/NDF: 9755088.7/47

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: -65.271+/-33.072 χ^2/NDF: 25.7/24

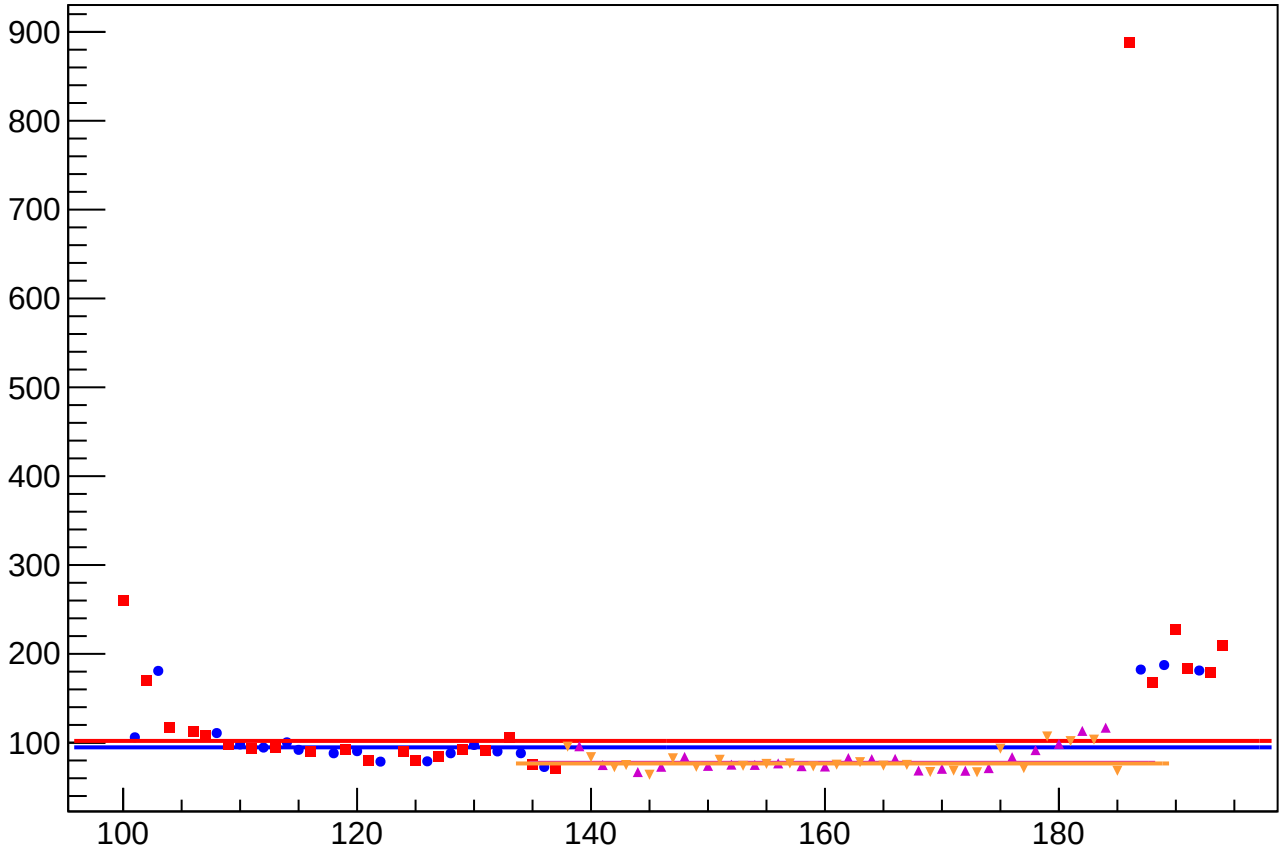
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.440+/-15.608 χ^2/NDF: 52.4/43

All: -17.920+/-11.181 χ^2/NDF: 126.0/91

- sign -67.834+/-16.024 χ^2/NDF: 54.7/47

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: 102.019+/-0.023 χ^2/NDF: 2695169.6/24

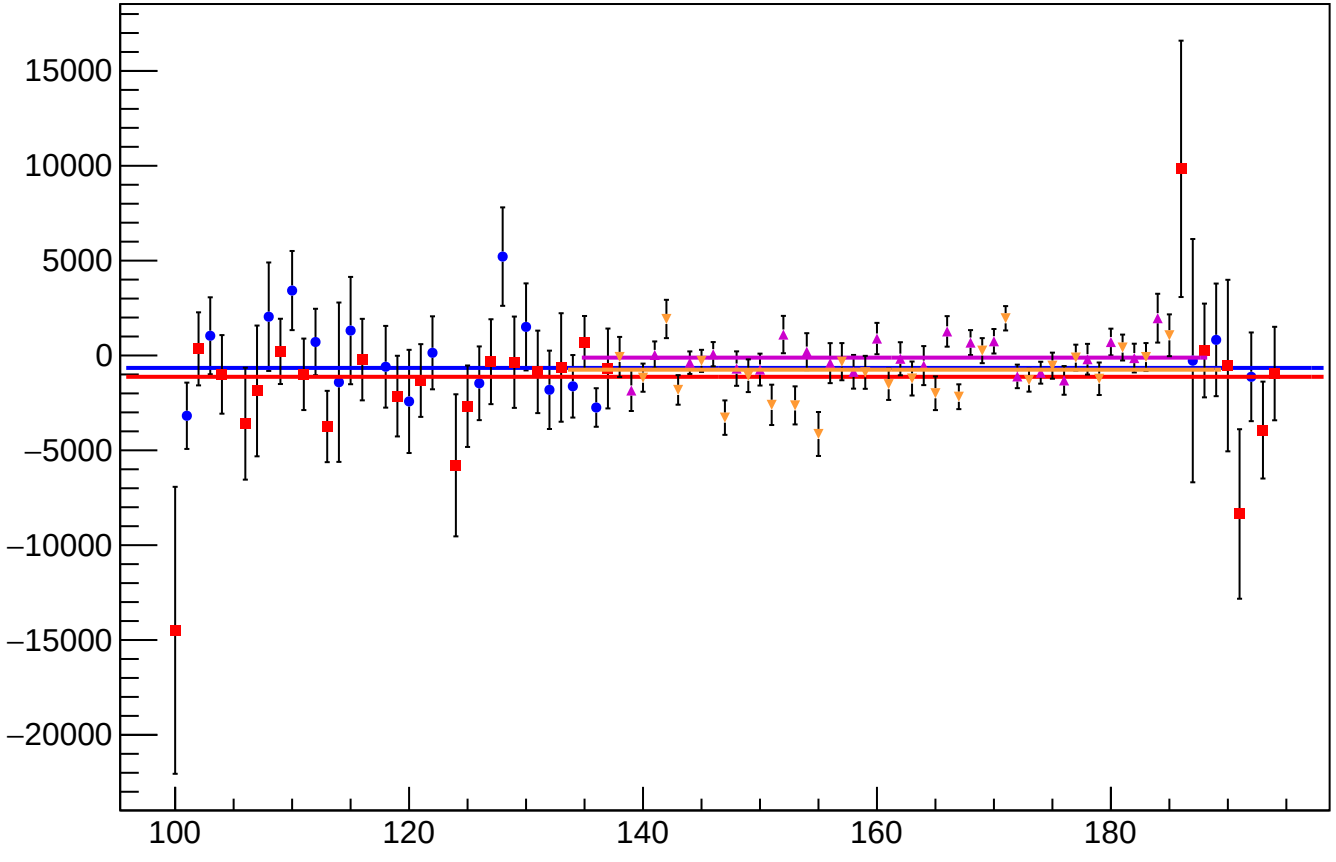
Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 80.626+/-0.011 χ^2/NDF: 2441131.4/43

All: 81.850+/-0.008 χ^2/NDF: 6603638.9/91

- sign 83.140+/-0.011 χ^2/NDF: 4137244.5/47

asym_sam_2468_avg_reg_correction_mean vs Slug



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: -1124.752+/-463.161 χ^2/NDF: 18.3/24

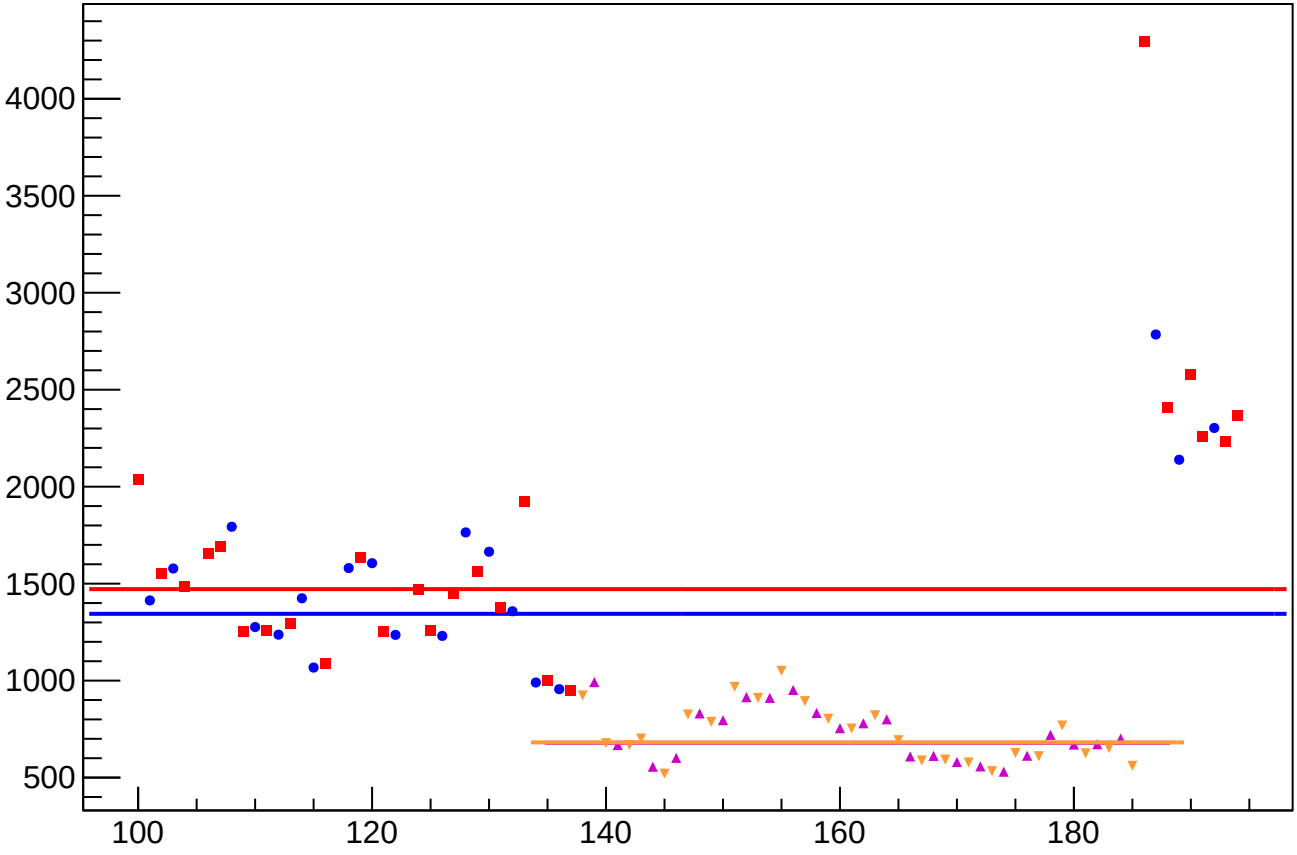
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -740.064+/-149.801 χ^2/NDF: 90.6/43

All: -486.956+/-106.954 χ^2/NDF: 144.0/91

- sign -223.766+/-152.755 χ^2/NDF: 47.6/47

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: 1471.810+/-0.328 χ^2/NDF: 1891968.0/24

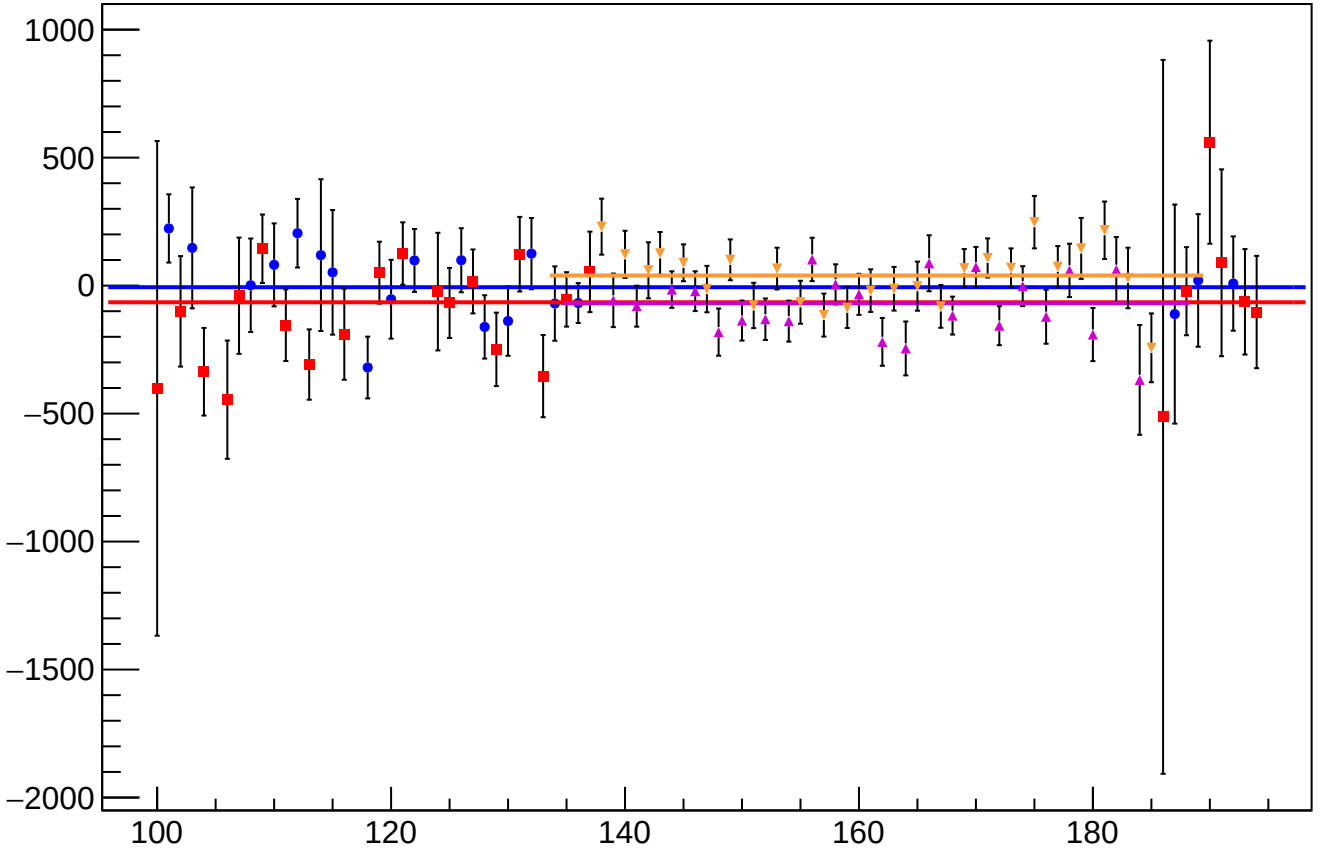
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 749.064+/-0.106 χ^2/NDF: 6143527.0/43

All: 757.174+/-0.076 χ^2/NDF: 14449935.1/91

- sign 765.606+/-0.108 χ^2/NDF: 8294451.2/47

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: -65.141+/-33.074 χ^2/NDF: 25.7/24

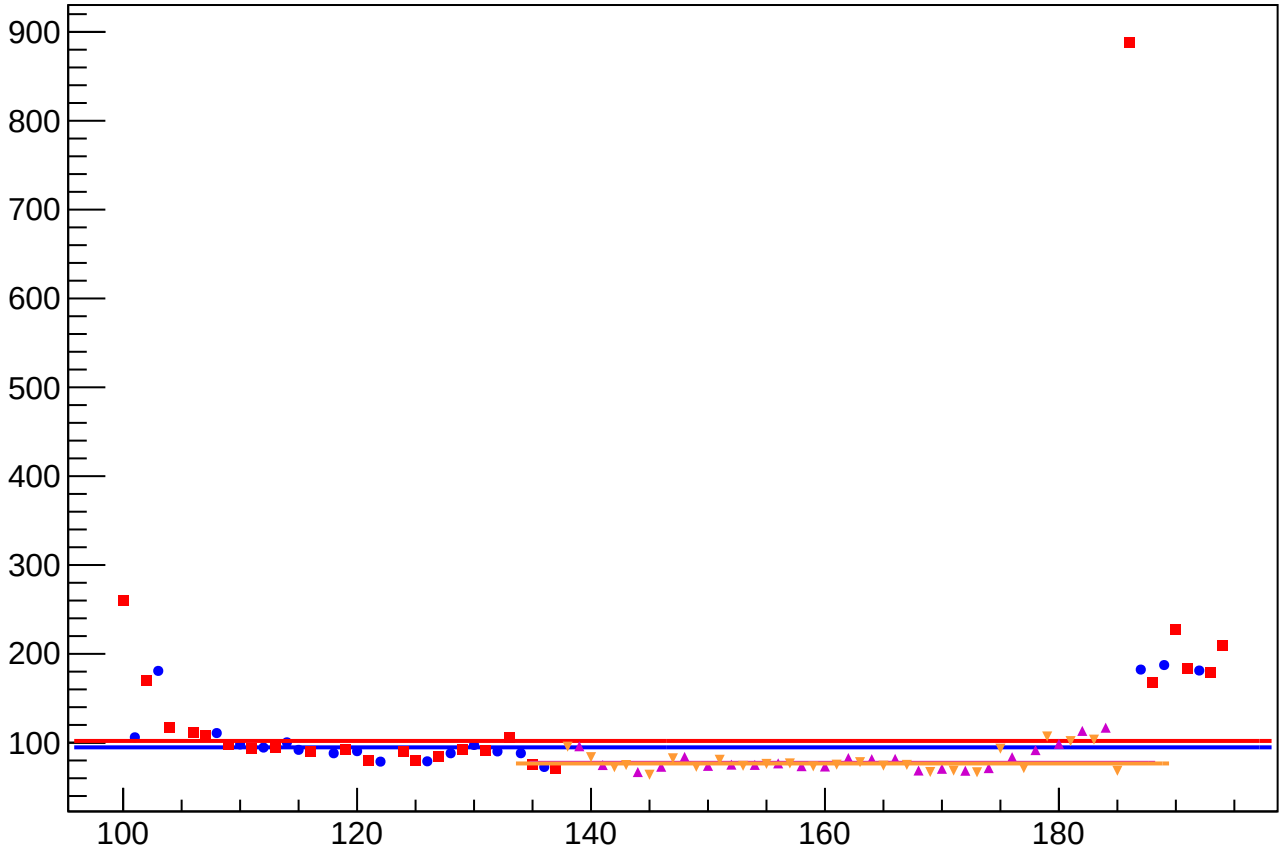
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.444+/-15.608 χ^2/NDF: 52.4/43

All: -17.903+/-11.181 χ^2/NDF: 126.0/91

- sign -67.803+/-16.024 χ^2/NDF: 54.7/47

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

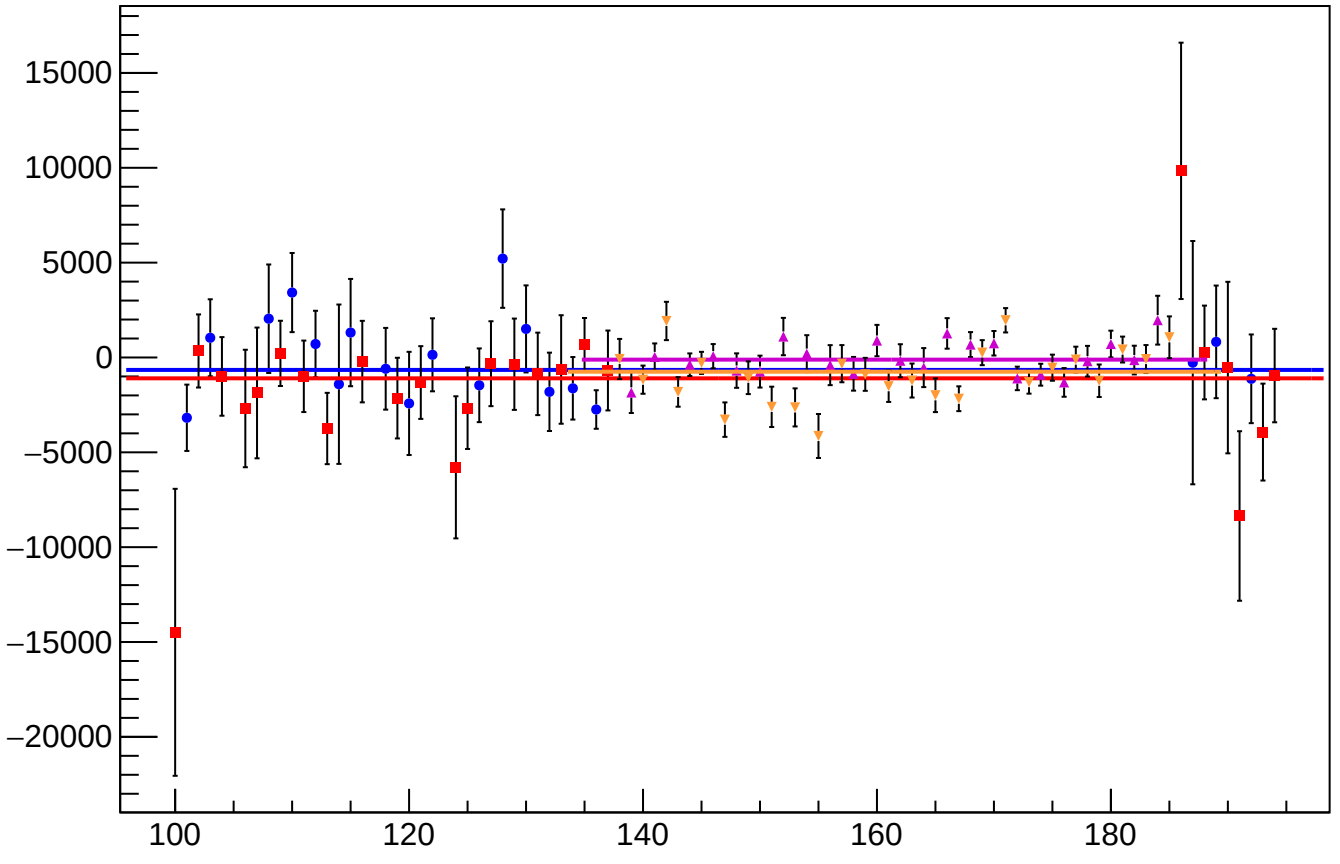
Right Out: 101.991+/-0.023 χ^2/NDF: 2694416.7/24

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 80.626+/-0.011 χ^2/NDF: 2441134.9/43

All: 81.846+/-0.008 χ^2/NDF: 6600781.4/91

- sign 83.133+/-0.011 χ^2/NDF: 4134522.6/47



Right In: -655.732+/-469.009 χ^2/NDF: 20.6/18

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -1099.343+/-463.703 χ^2/NDF: 17.8/24

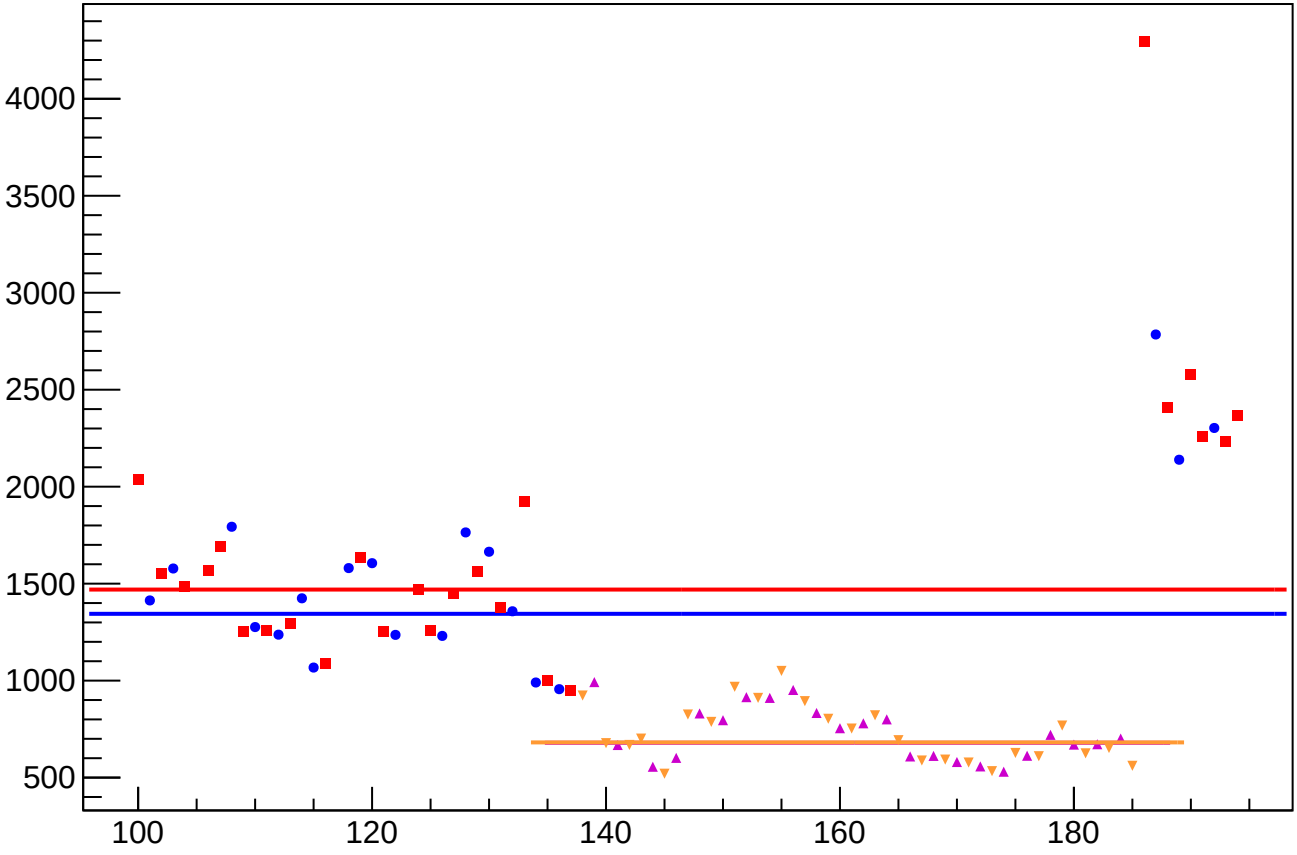
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -740.053+/-149.801 χ^2/NDF: 90.6/43

All: -485.519+/-106.961 χ^2/NDF: 143.4/91

- sign -220.779+/-152.775 χ^2/NDF: 46.9/47

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: 1469.509+/-0.328 χ^2/NDF: 1886244.8/24

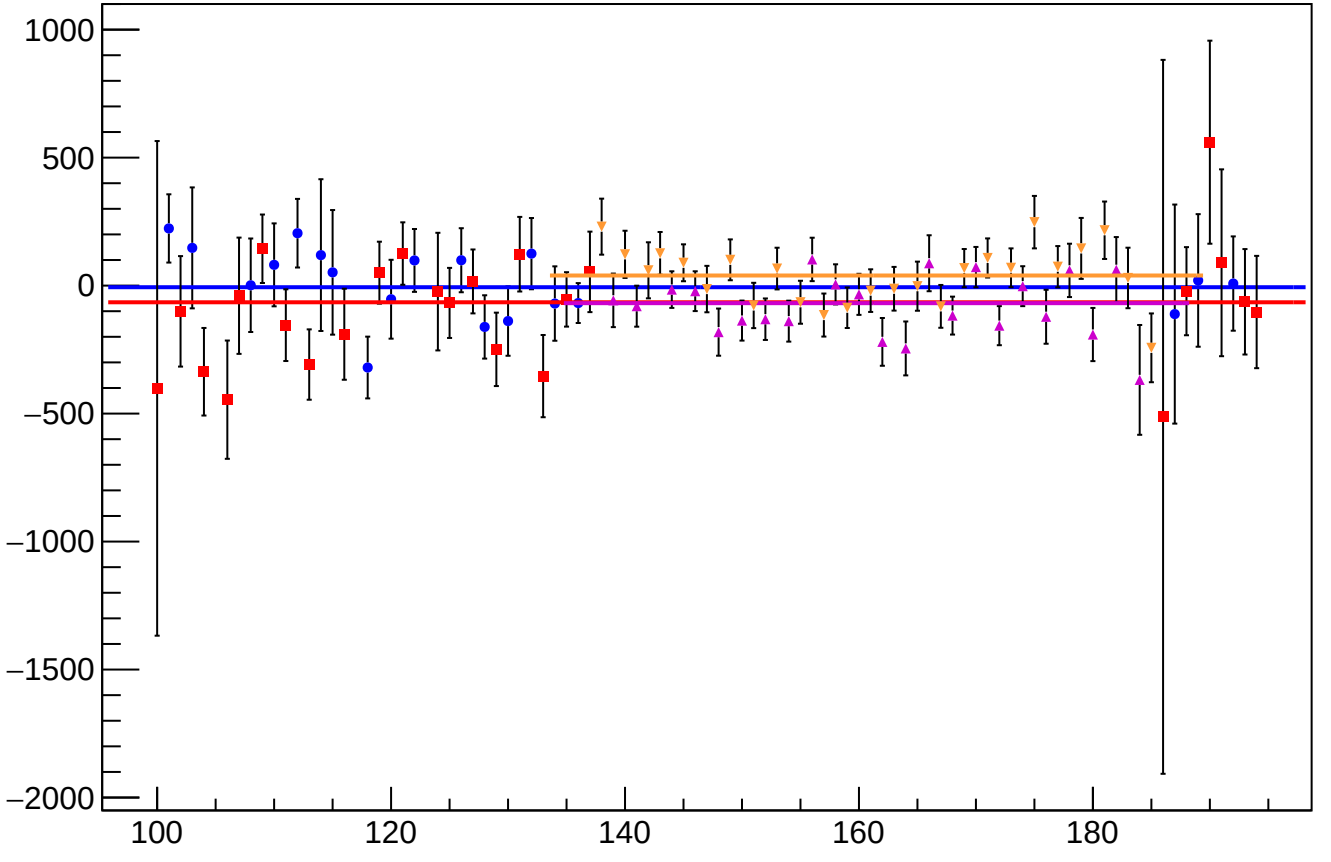
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 749.063+/-0.106 χ^2/NDF: 6143570.2/43

All: 756.962+/-0.076 χ^2/NDF: 14402581.5/91

- sign 765.177+/-0.108 χ^2/NDF: 8247667.6/47

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: -65.141+/-33.074 χ^2/NDF: 25.7/24

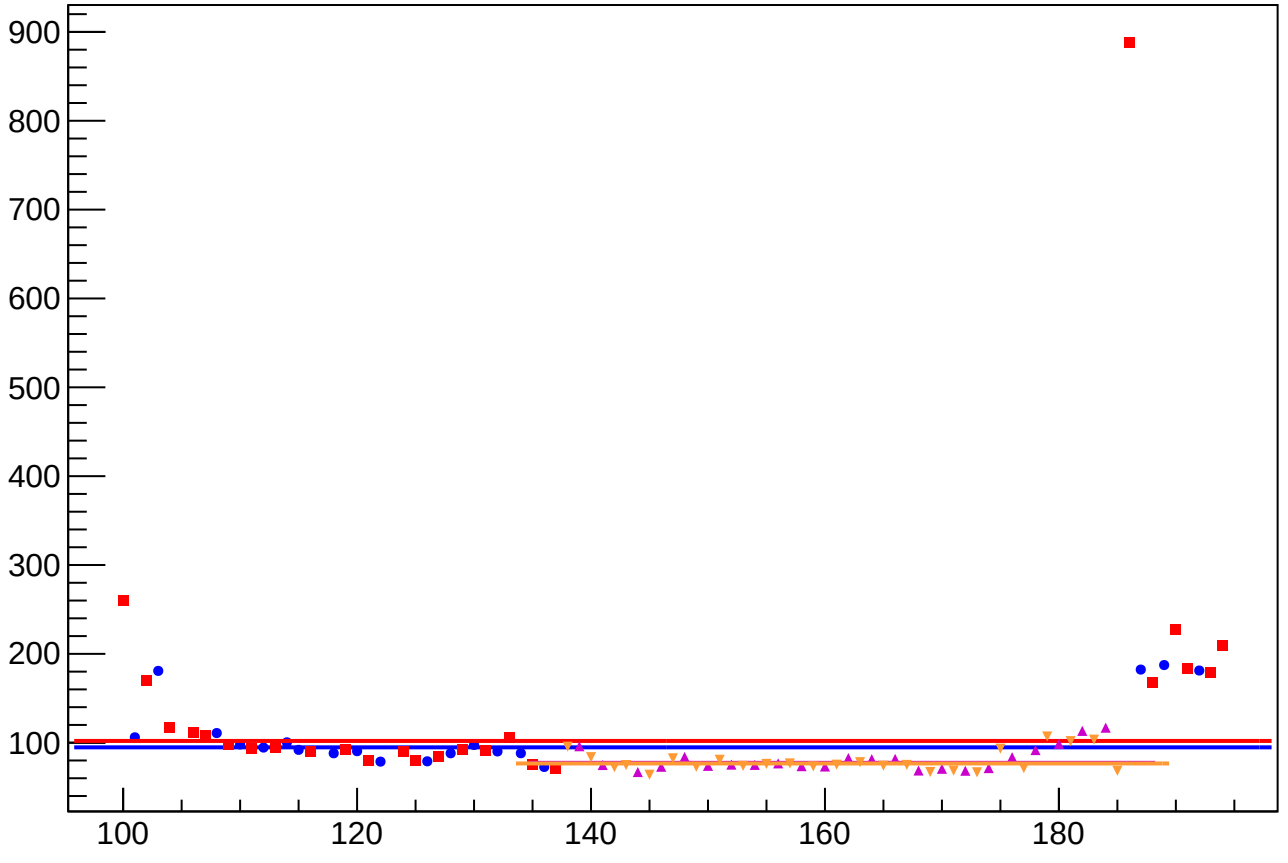
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.444+/-15.608 χ^2/NDF: 52.4/43

All: -17.903+/-11.181 χ^2/NDF: 126.0/91

- sign -67.803+/-16.024 χ^2/NDF: 54.7/47

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

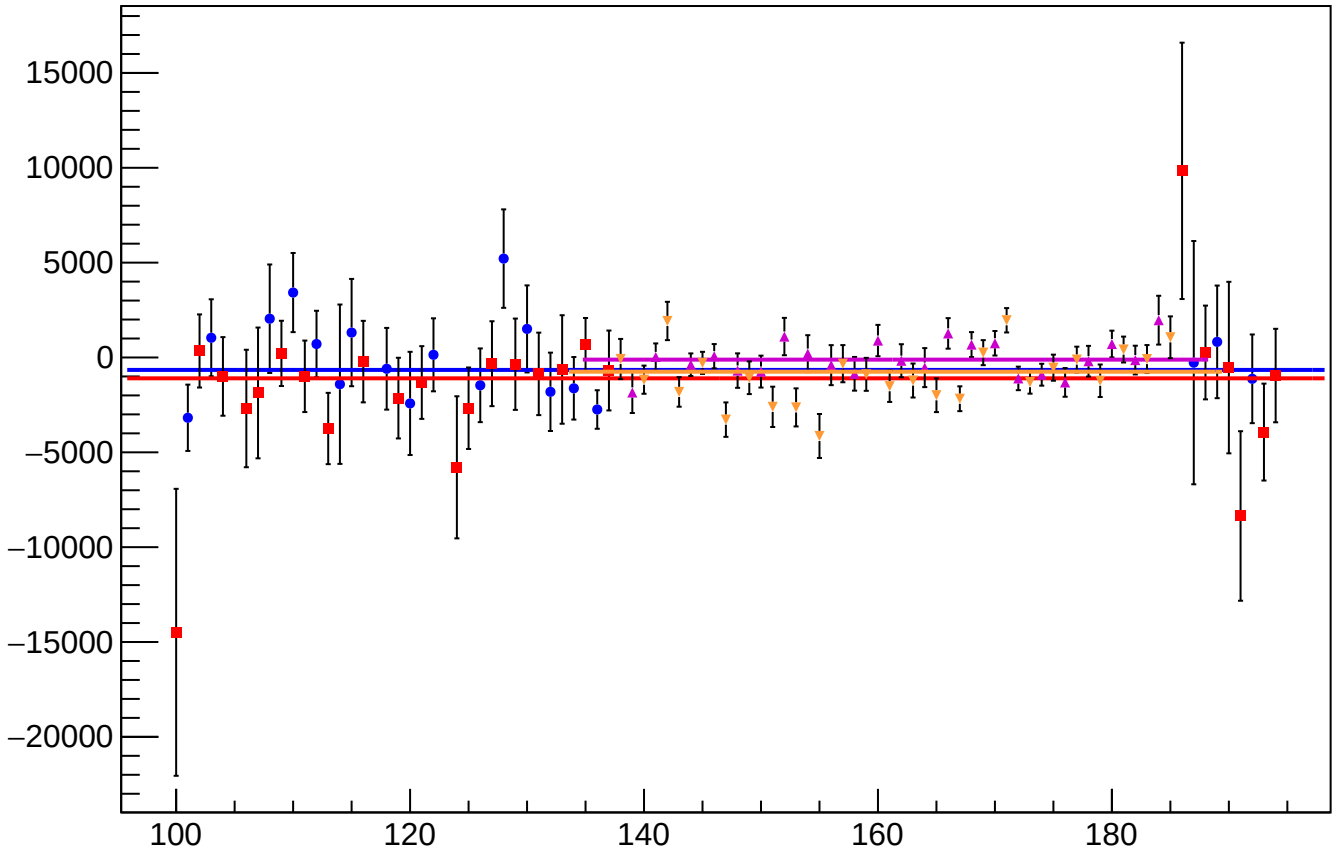
Right Out: 101.991+/-0.023 χ^2/NDF: 2694416.7/24

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 80.626+/-0.011 χ^2/NDF: 2441134.9/43

All: 81.846+/-0.008 χ^2/NDF: 6600781.4/91

- sign 83.133+/-0.011 χ^2/NDF: 4134522.6/47



Right In: -655.732+/-469.009 χ^2/NDF: 20.6/18

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

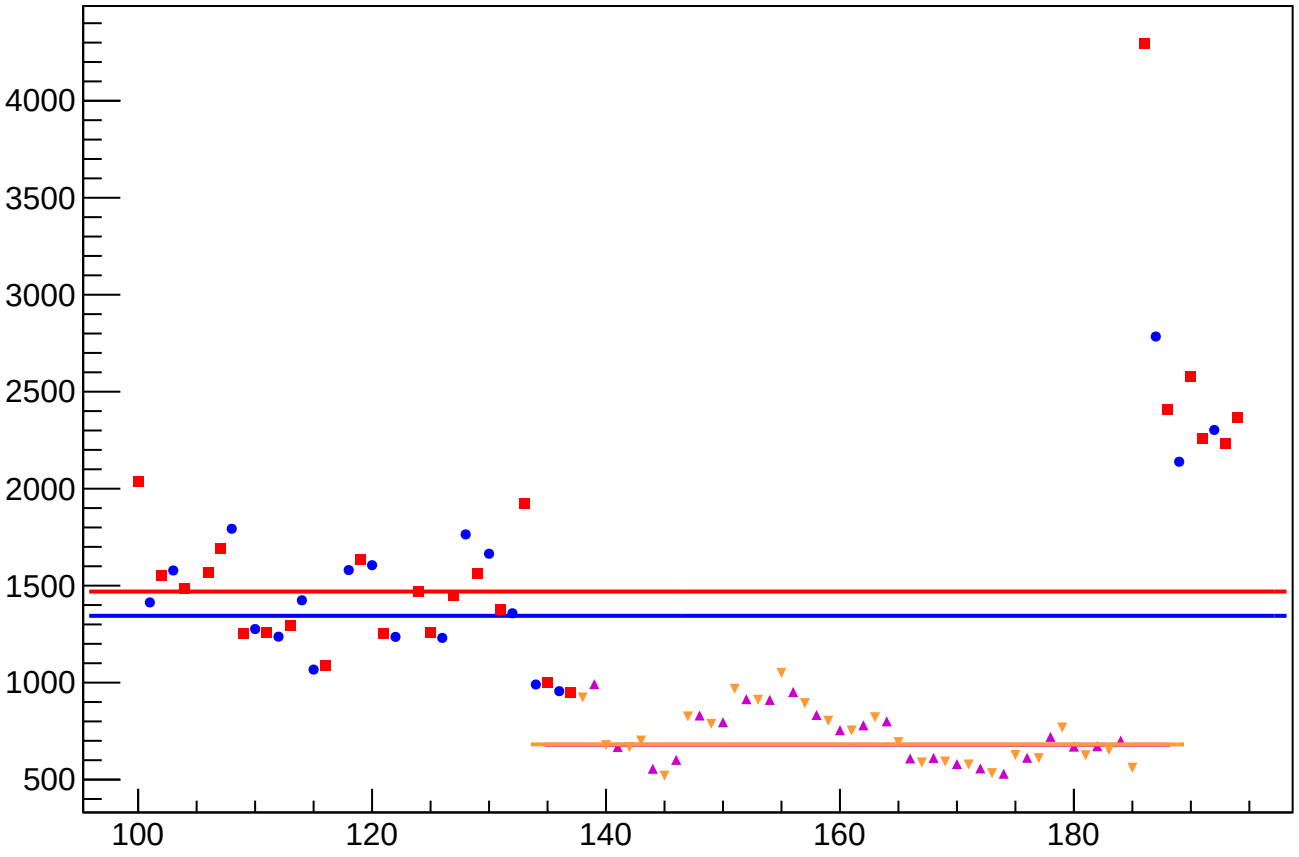
Right Out: -1099.343+/-463.703 χ^2/NDF: 17.8/24

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -740.053+/-149.801 χ^2/NDF: 90.6/43

All: -485.519+/-106.961 χ^2/NDF: 143.4/91

- sign -220.779+/-152.775 χ^2/NDF: 46.9/47



Right In: 1344.434+/-0.332 χ^2/NDF: 1220346.3/18

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1469.509+/-0.328 χ^2/NDF: 1886244.8/24

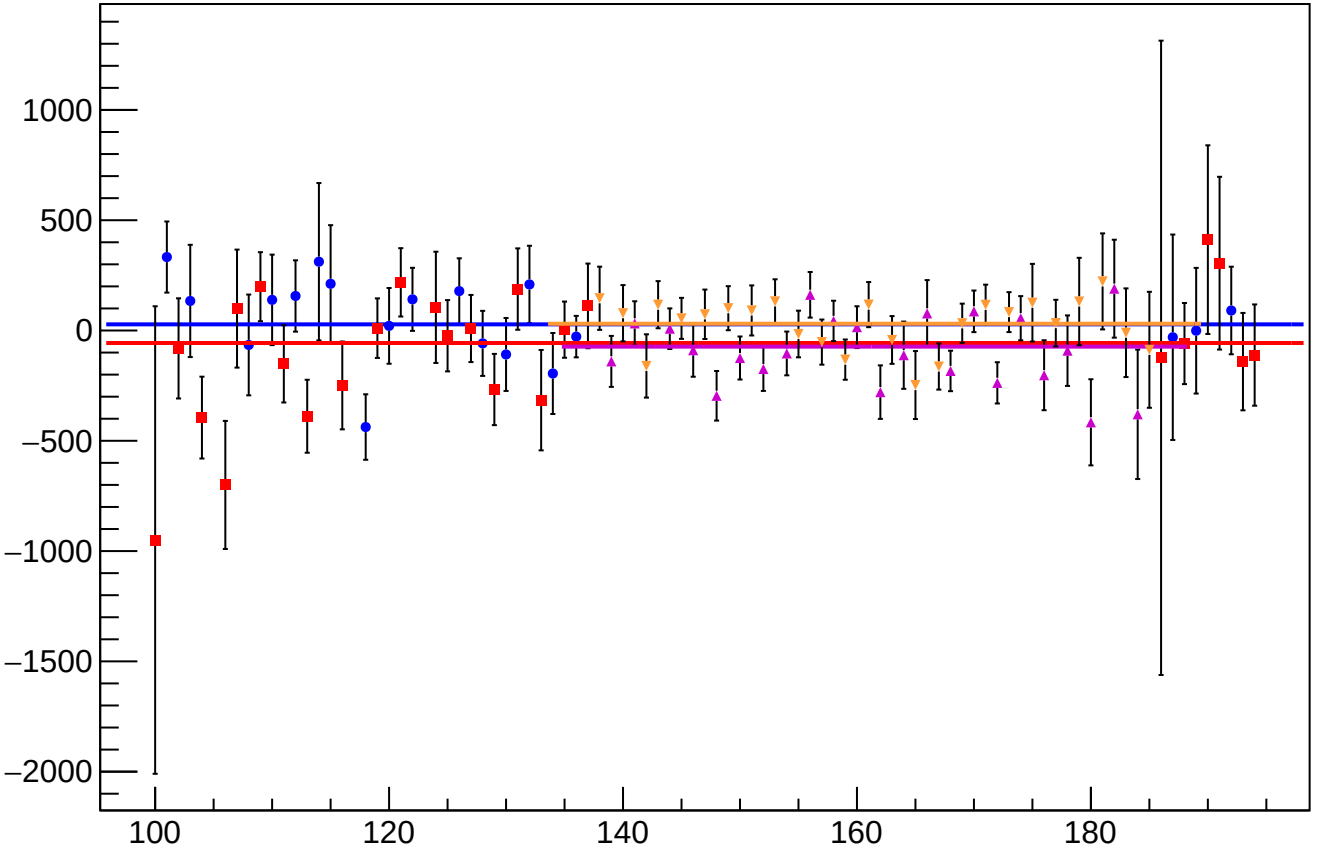
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 749.063+/-0.106 χ^2/NDF: 6143570.2/43

All: 756.962+/-0.076 χ^2/NDF: 14402581.5/91

- sign 765.177+/-0.108 χ^2/NDF: 8247667.6/47

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: -56.604+/-38.884 χ^2/NDF: 29.3/24

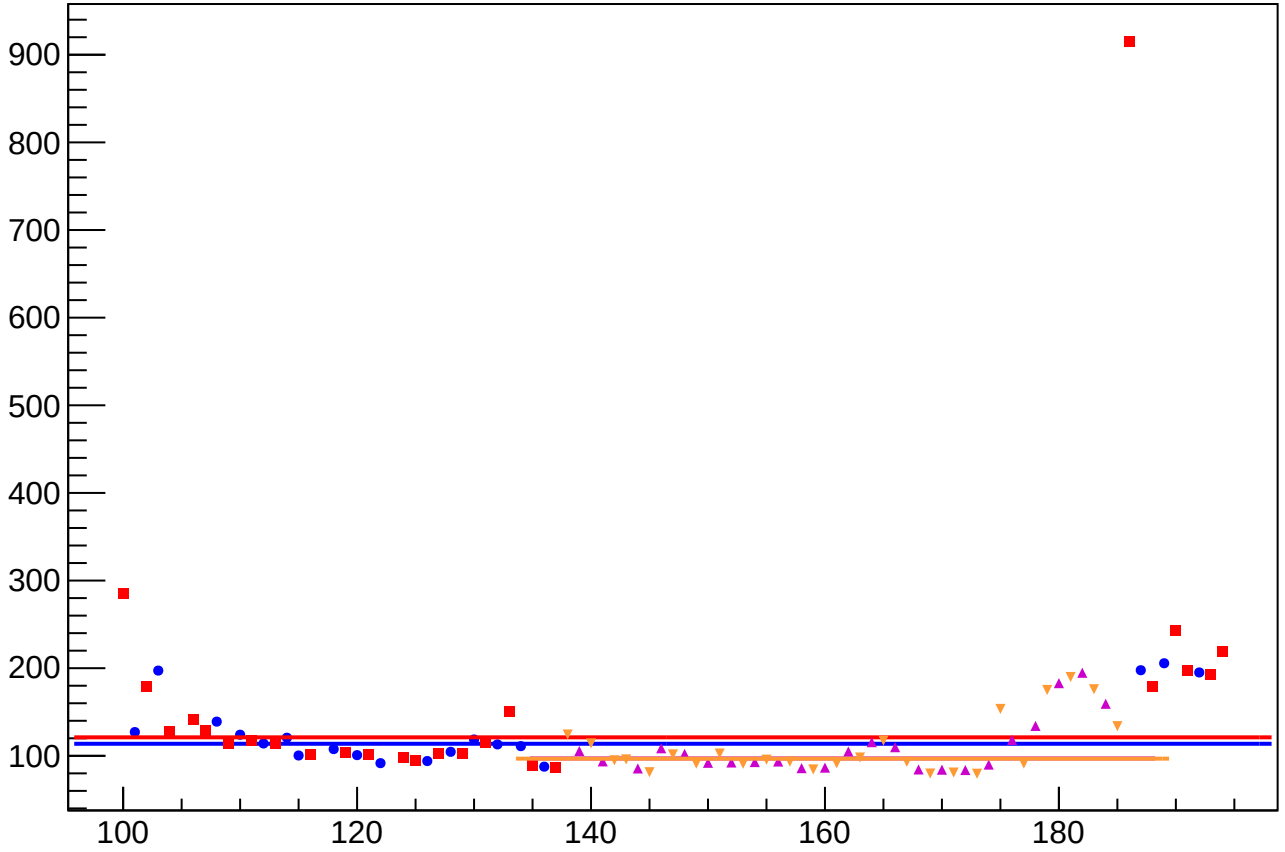
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 29.993+/-19.822 χ^2/NDF: 41.4/43

All: -18.629+/-14.120 χ^2/NDF: 117.5/91

- sign -68.718+/-20.119 χ^2/NDF: 63.9/47

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

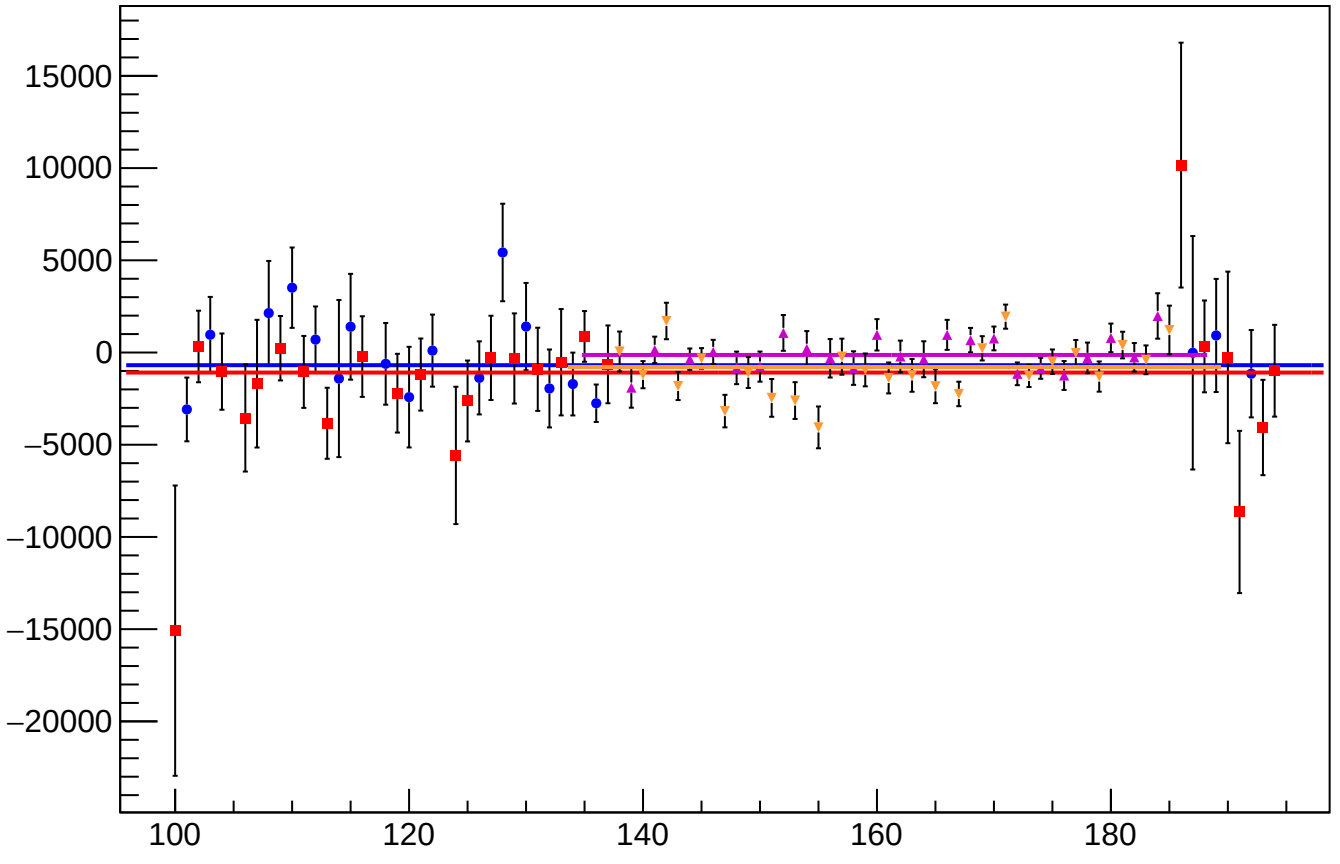
Right Out: 121.109+/-0.027 χ^2/NDF: 2264163.3/24

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 101.002+/-0.014 χ^2/NDF: 3129587.9/43

All: 102.216+/-0.010 χ^2/NDF: 7292408.1/91

- sign 103.466+/-0.014 χ^2/NDF: 4147590.3/47



Right In: -687.081+/-475.674 χ^2/NDF: 20.4/18

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -1085.676+/-467.725 χ^2/NDF: 19.3/24

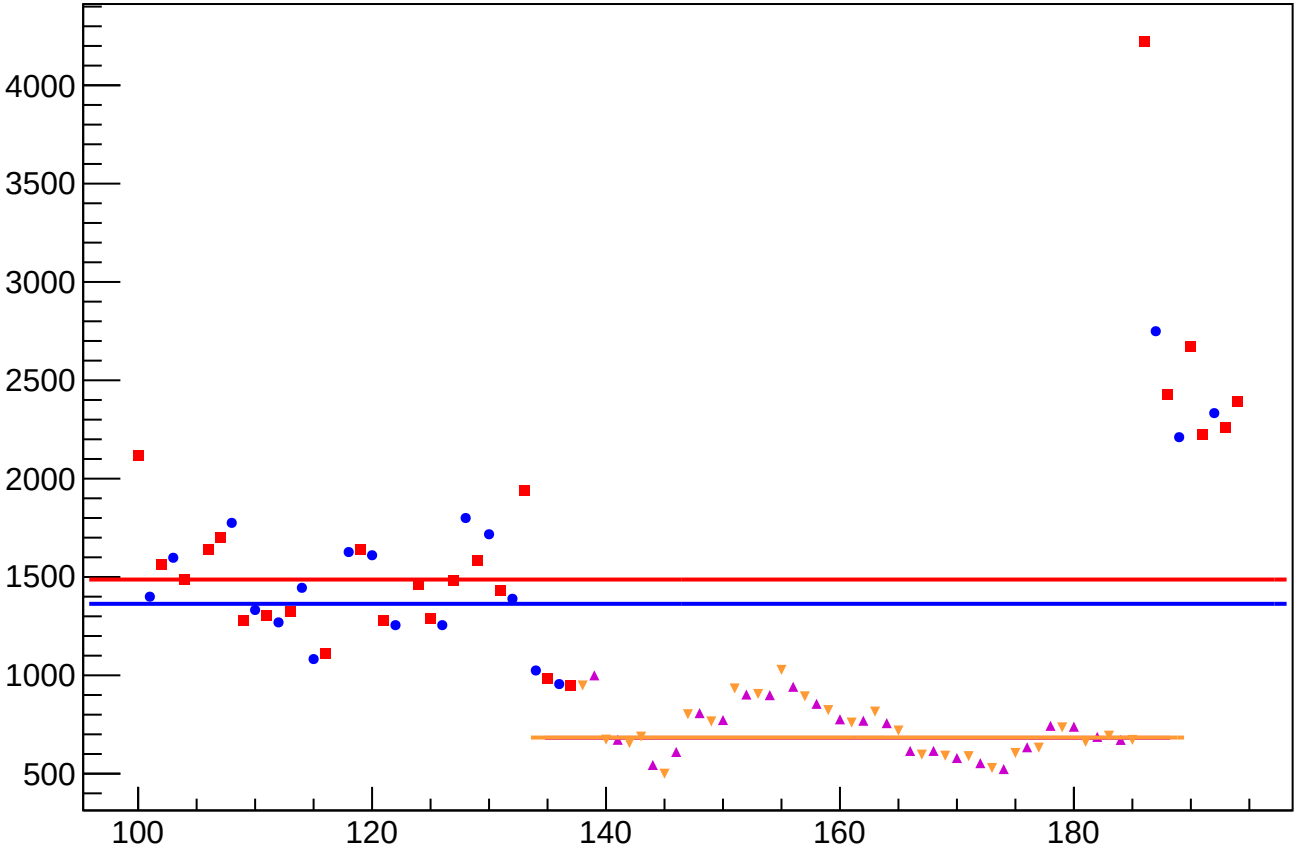
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -774.114+/-150.226 χ^2/NDF: 86.8/43

All: -509.774+/-107.338 χ^2/NDF: 140.4/91

- sign -234.060+/-153.423 χ^2/NDF: 47.3/47

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: 1487.011+/-0.331 χ^2/NDF: 1907344.8/24

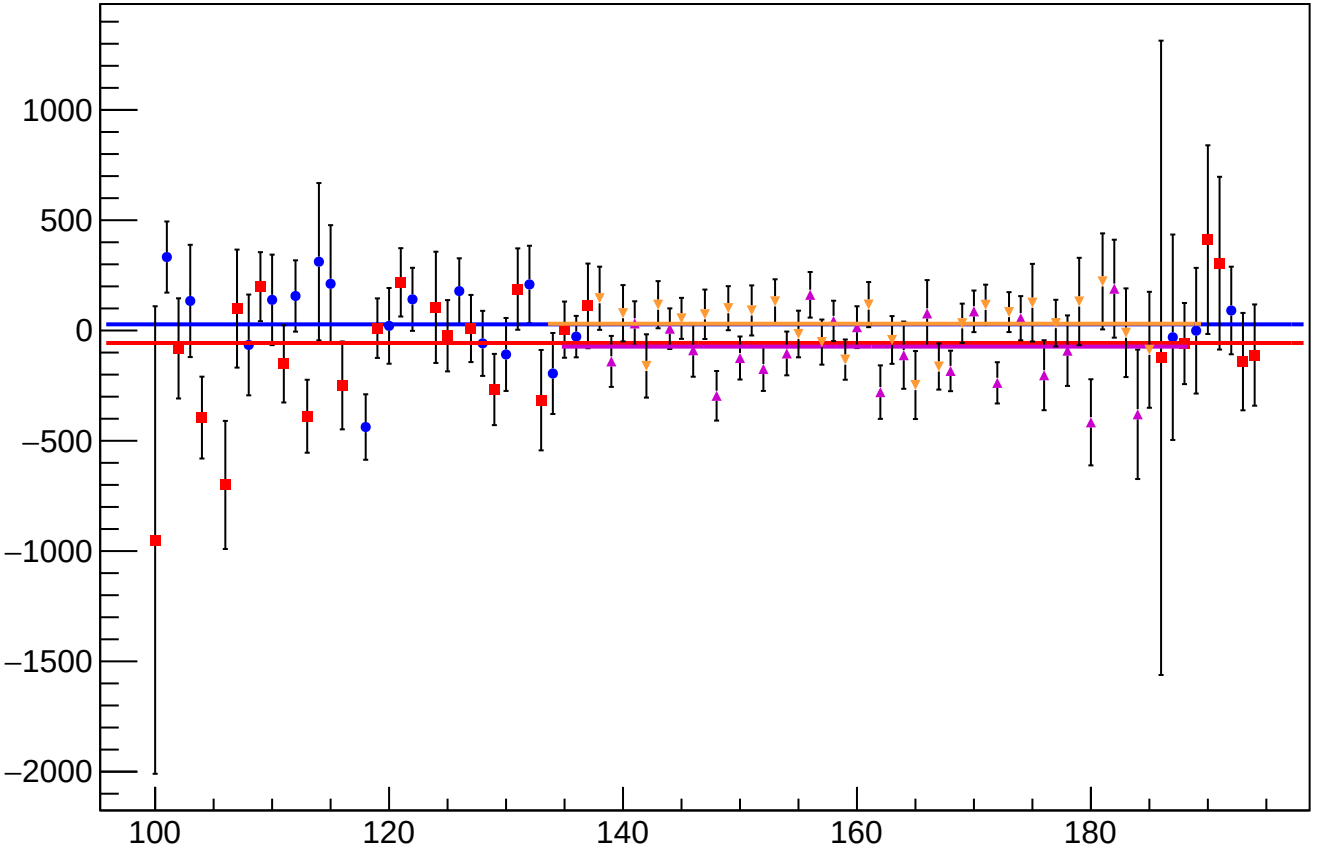
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 751.508+/-0.106 χ^2/NDF: 6213575.4/43

All: 759.866+/-0.076 χ^2/NDF: 14607240.0/91

- sign 768.583+/-0.108 χ^2/NDF: 8381018.9/47

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: -56.603+/-38.884 χ^2/NDF: 29.3/24

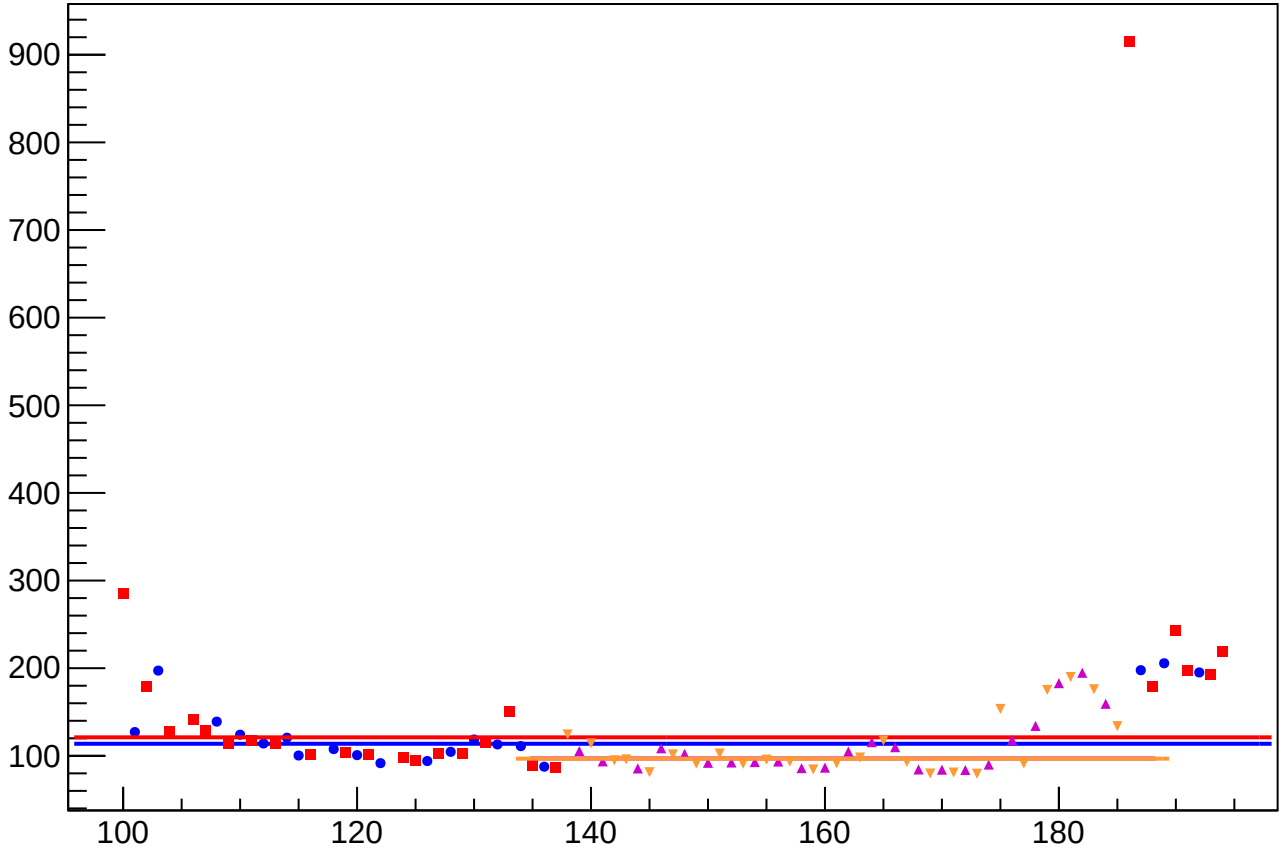
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 29.994+/-19.822 χ^2/NDF: 41.4/43

All: -18.628+/-14.120 χ^2/NDF: 117.5/91

- sign -68.717+/-20.119 χ^2/NDF: 63.9/47

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

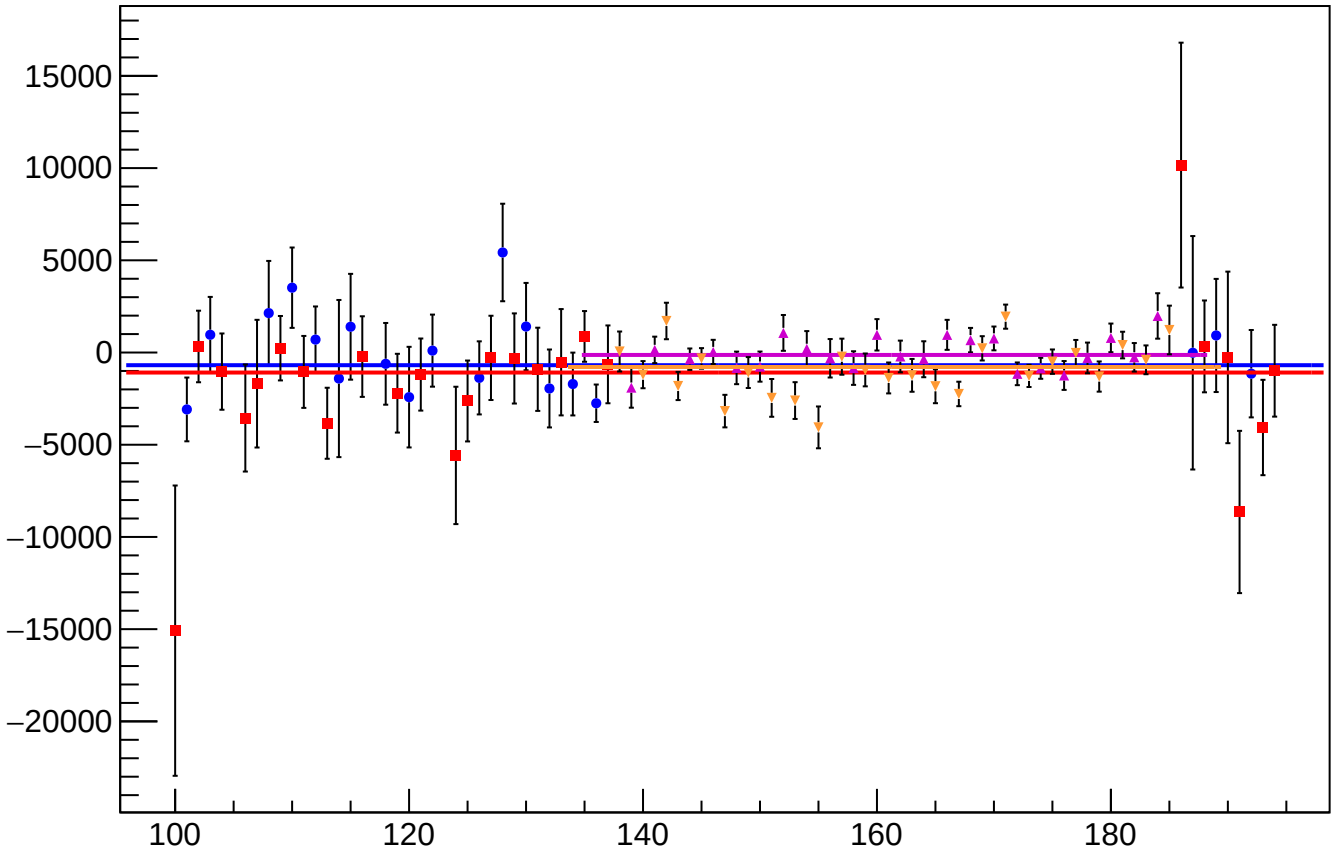
Right Out: 121.108+/-0.027 χ^2/NDF: 2264174.7/24

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 101.002+/-0.014 χ^2/NDF: 3129550.0/43

All: 102.216+/-0.010 χ^2/NDF: 7292323.1/91

- sign 103.466+/-0.014 χ^2/NDF: 4147542.8/47



Right In: -687.076+/-475.673 χ^2/NDF: 20.4/18

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

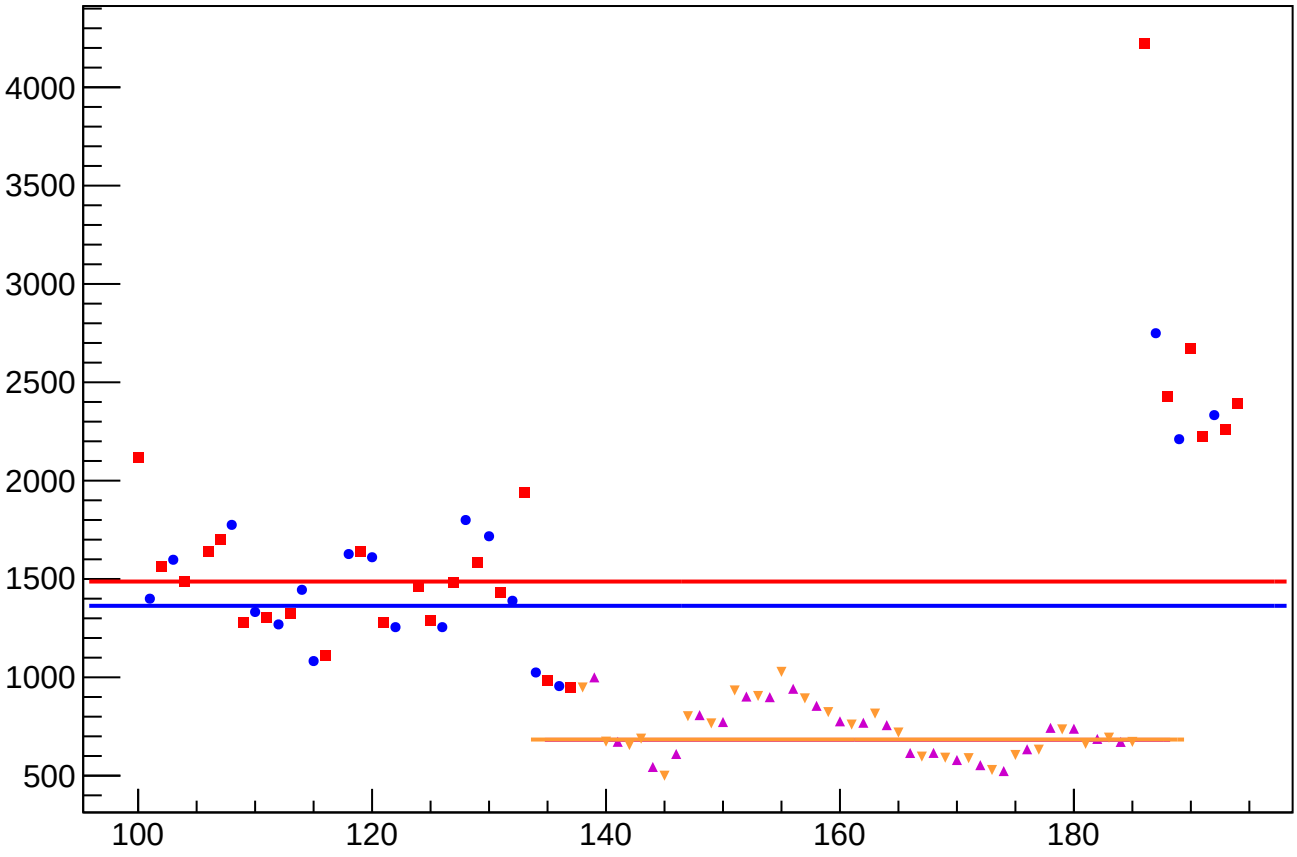
Right Out: -1085.675+/-467.724 χ^2/NDF: 19.3/24

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -774.111+/-150.225 χ^2/NDF: 86.8/43

All: -509.772+/-107.338 χ^2/NDF: 140.4/91

- sign -234.059+/-153.423 χ^2/NDF: 47.3/47



Right In: 1363.571+/-0.336 χ^2/NDF: 1237379.9/18

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1487.007+/-0.331 χ^2/NDF: 1907347.9/24

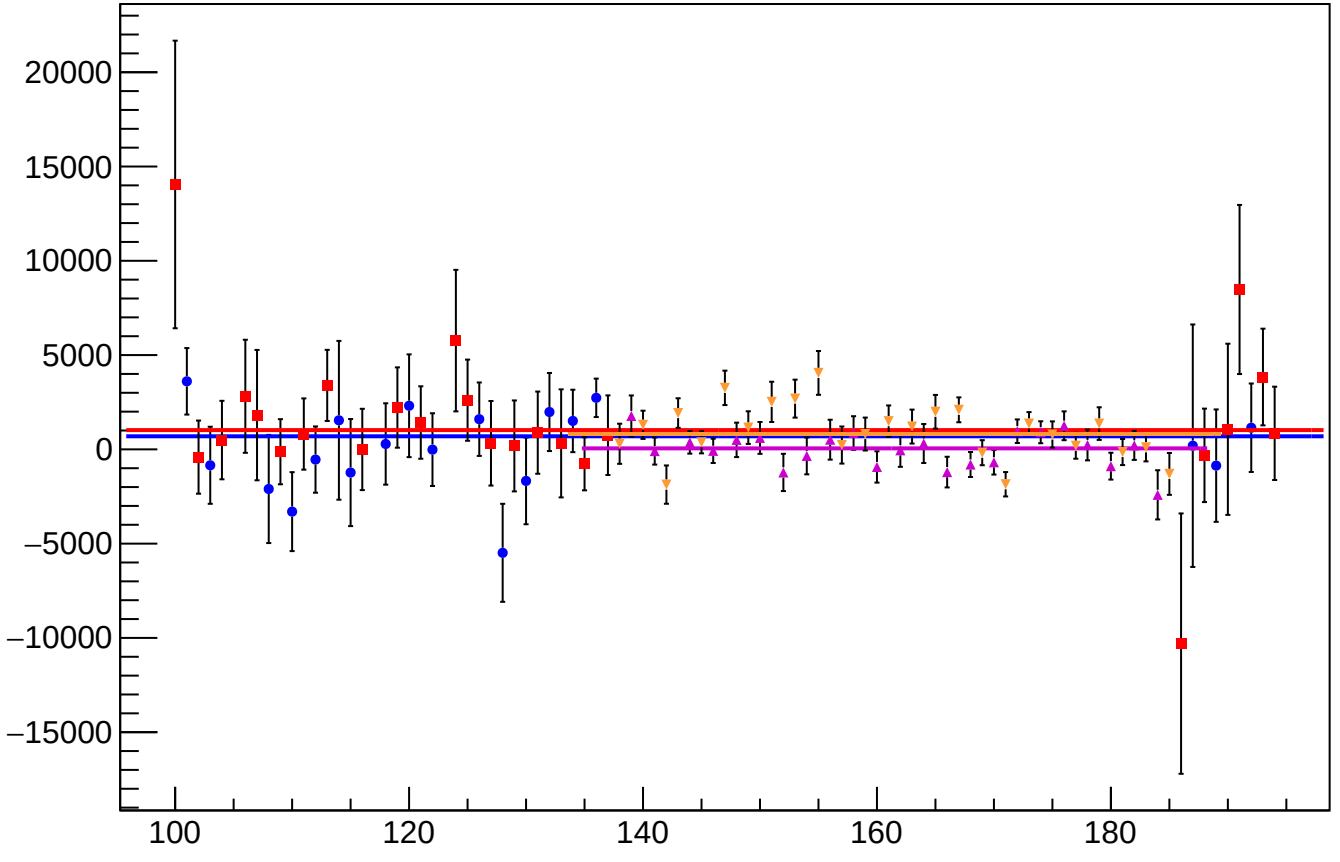
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 751.507+/-0.106 χ^2/NDF: 6213580.9/43

All: 759.864+/-0.076 χ^2/NDF: 14607248.6/91

- sign 768.581+/-0.108 χ^2/NDF: 8381022.0/47

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: 1021.138+/-464.790 χ^2/NDF: 17.6/24

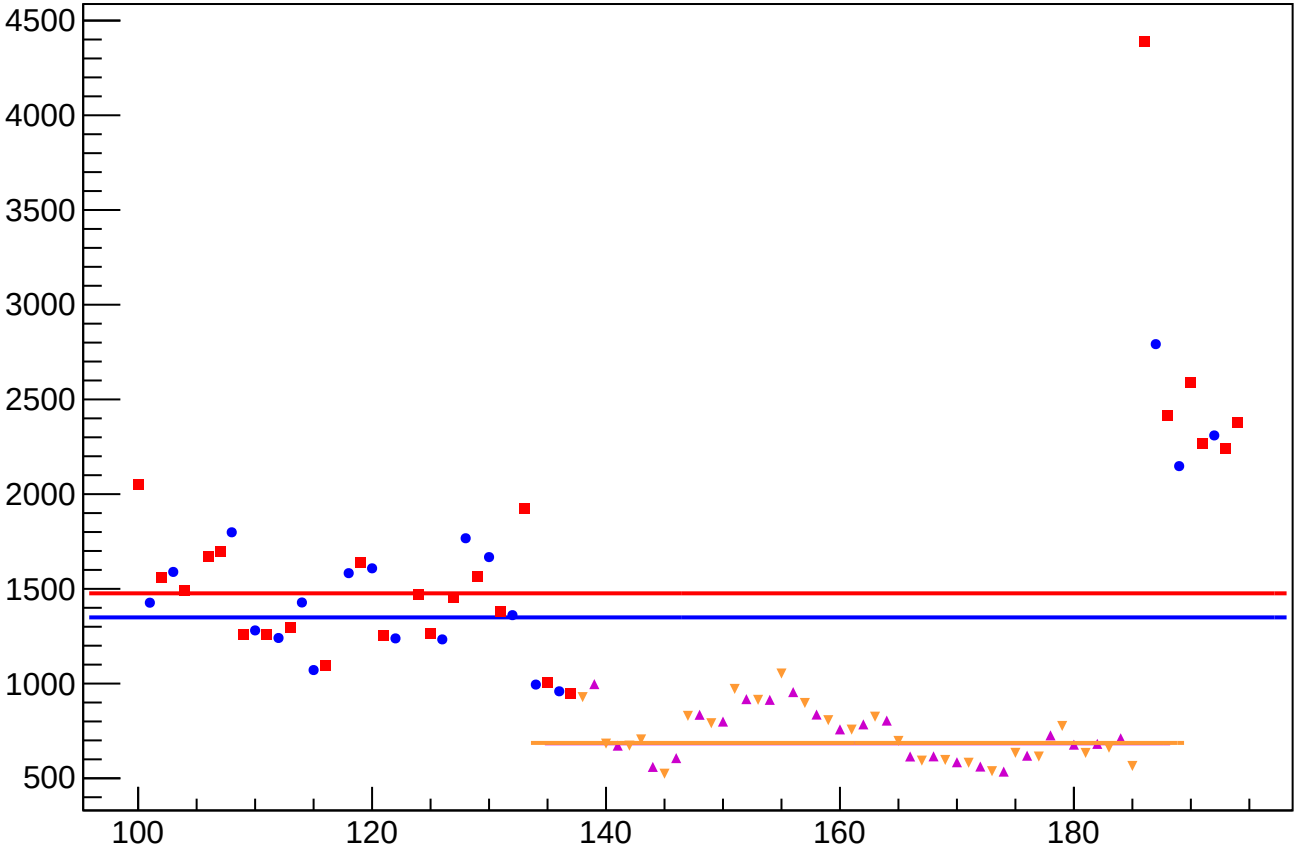
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 801.597+/-150.855 χ^2/NDF: 87.1/43

All: 486.329+/-107.712 χ^2/NDF: 142.9/91

- sign 158.438+/-153.846 χ^2/NDF: 46.8/47

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: 1476.348+/-0.329 χ^2/NDF: 1901356.5/24

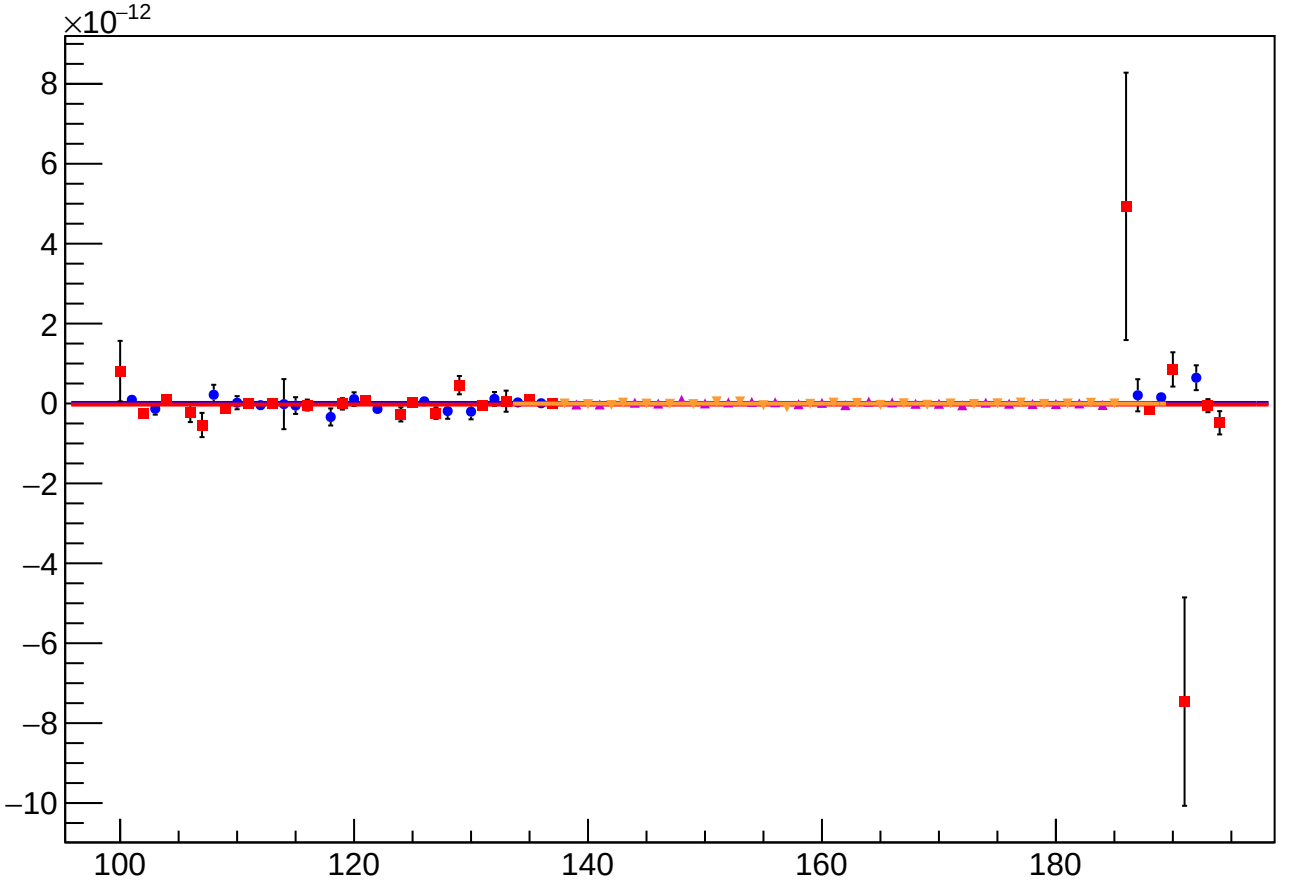
Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 754.764+/-0.107 χ^2/NDF: 6088901.3/43

All: 762.963+/-0.076 χ^2/NDF: 14333041.2/91

- sign 771.490+/-0.109 χ^2/NDF: 8232088.0/47

asym_sam_2468_avg_reg_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:16.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.5/24

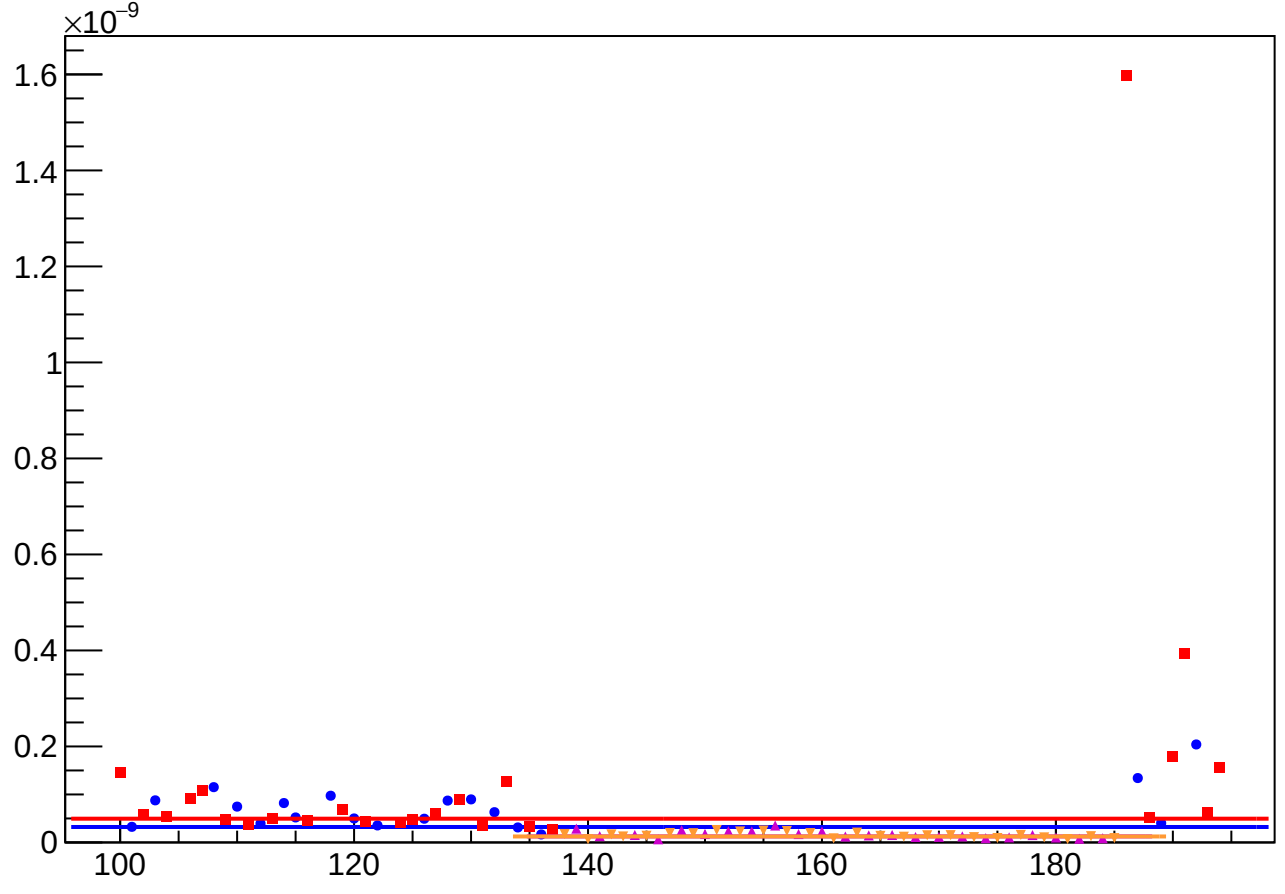
Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.5/43

All: -0.000+/-0.000 χ^2/NDF: 98.5/91

- sign -0.000+/-0.000 χ^2/NDF: 63.9/47

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2669394.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

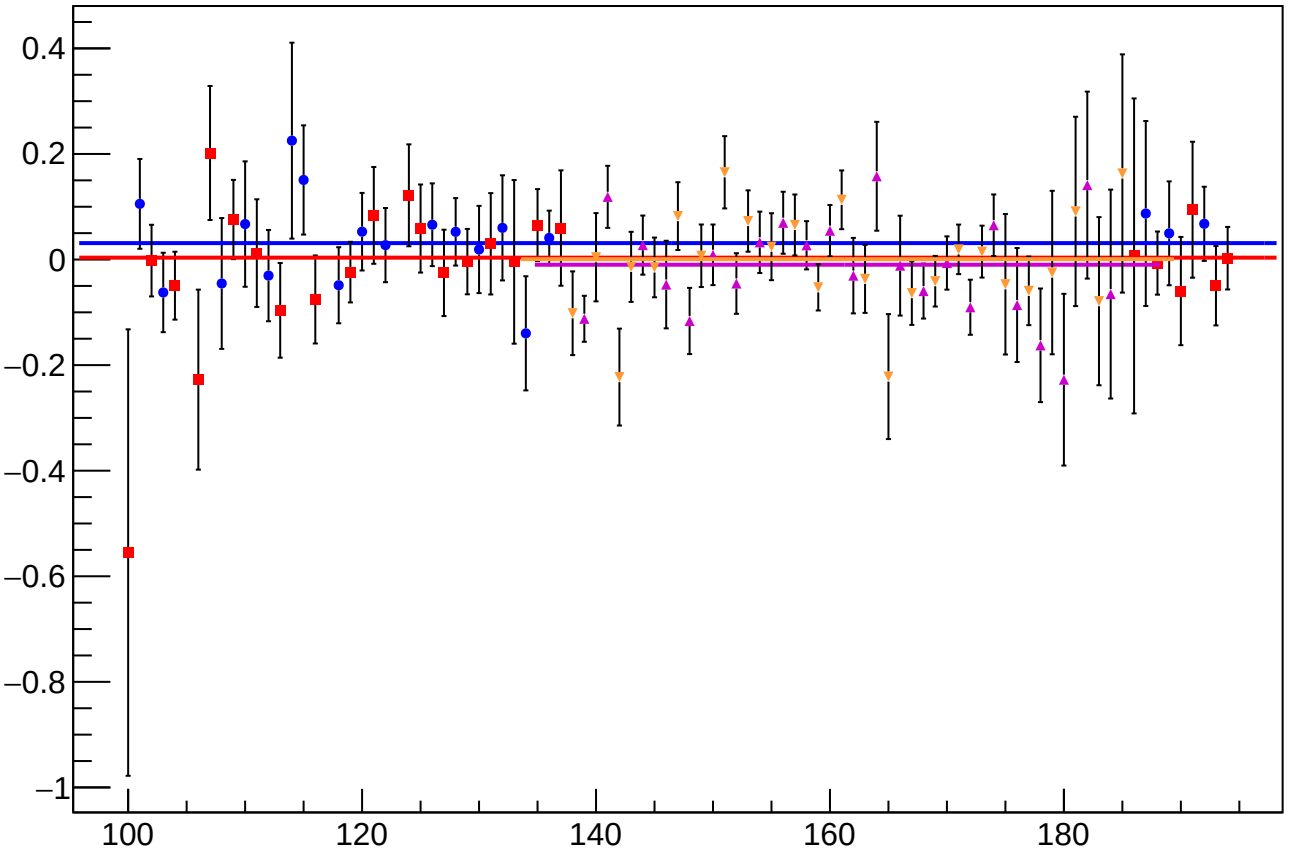
Right Out: 0.000+/-0.000 χ^2/NDF: 1657194.4/24

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6047113.7/43

All: 0.000+/-0.000 χ^2/NDF: 13284004.5/91

- sign 0.000+/-0.000 χ^2/NDF: 7229274.3/47



Right In: 0.031+/-0.019 χ^2/NDF: 10.4/18

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.004+/-0.017 χ^2/NDF: 15.4/24

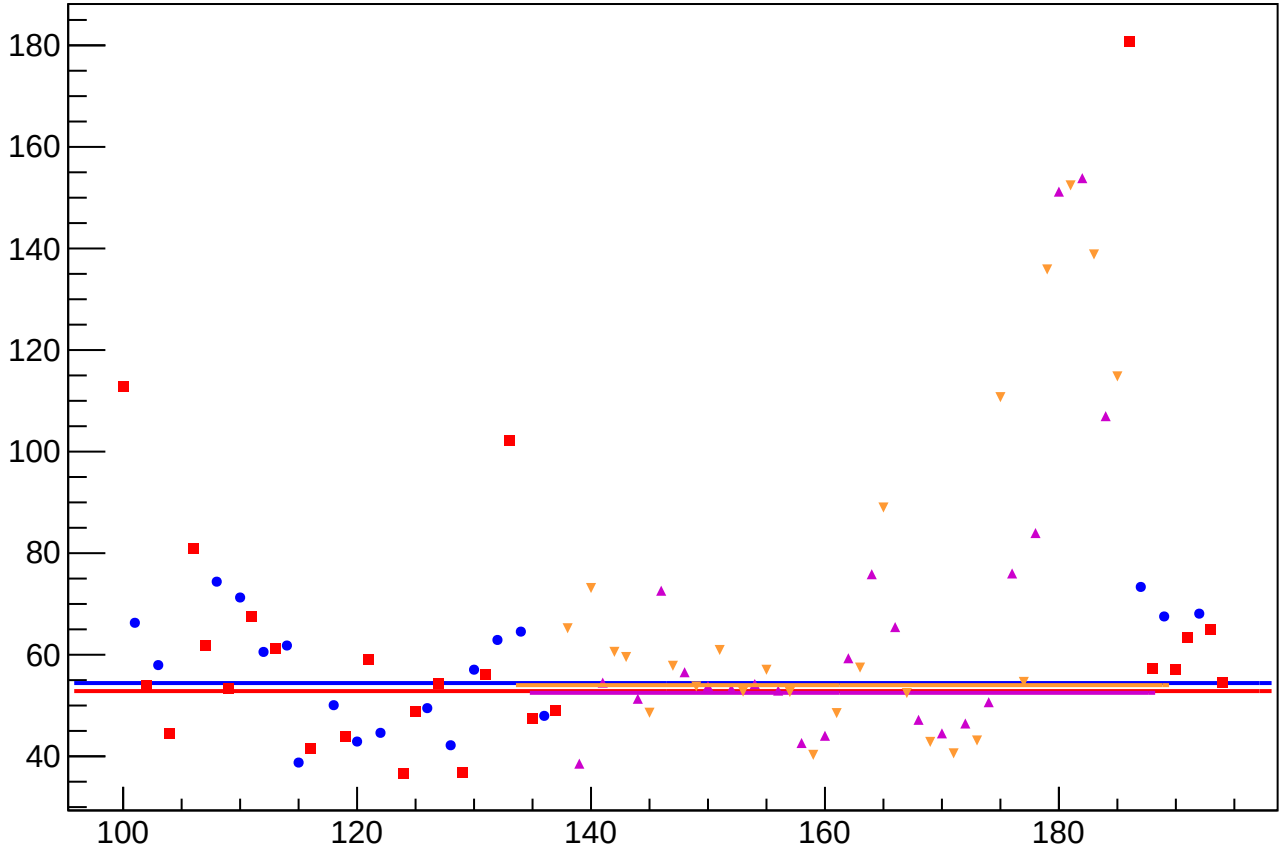
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.011+/-0.011 χ^2/NDF: 43.8/43

All: 0.003+/-0.008 χ^2/NDF: 92.5/91

- sign -0.005+/-0.010 χ^2/NDF: 47.7/47

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

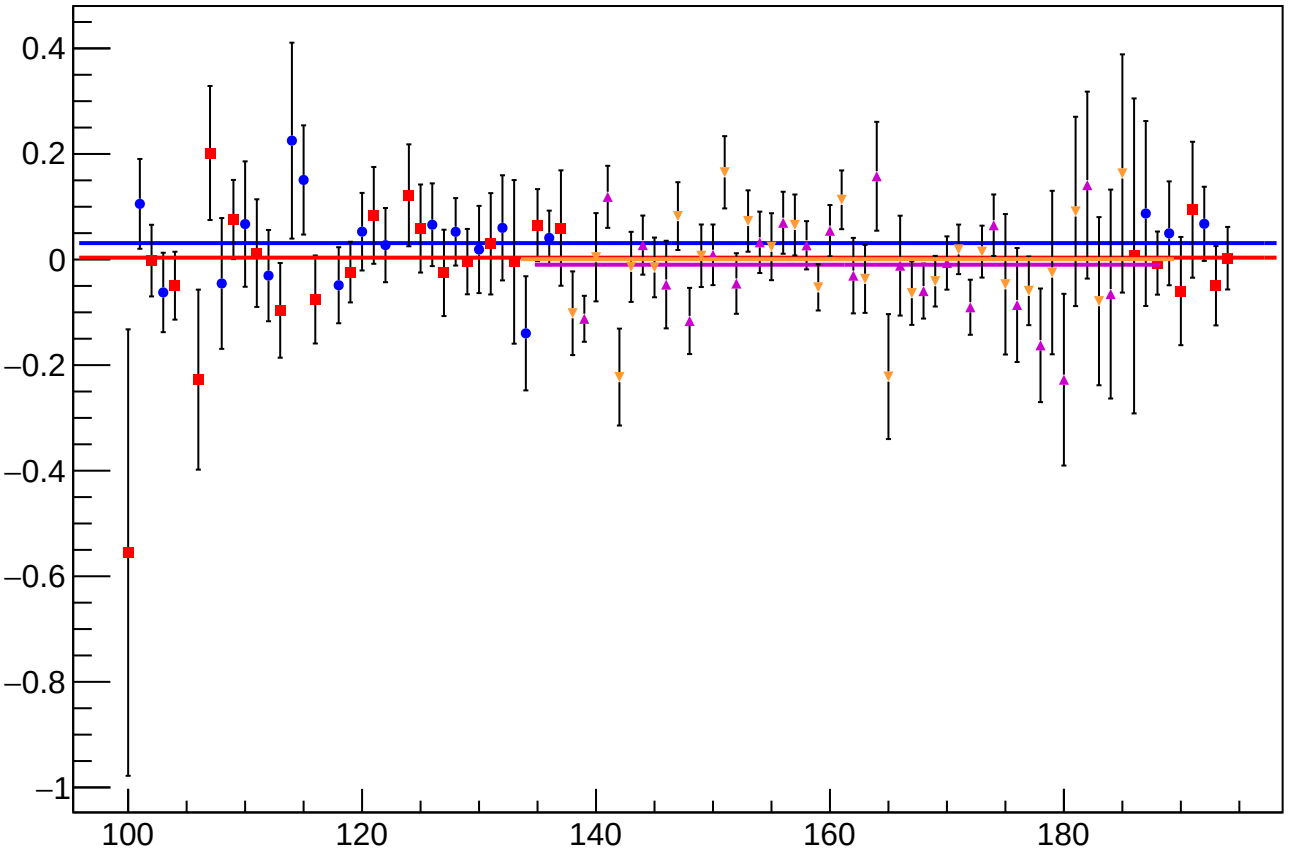
Right Out: 52.842+/-0.012 χ^2/NDF: 1157246.2/24

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 54.147+/-0.008 χ^2/NDF: 3799562.3/43

All: 53.355+/-0.005 χ^2/NDF: 7535368.6/91

- sign 52.632+/-0.007 χ^2/NDF: 3715516.7/47



Right In: 0.031+/-0.019 χ^2/NDF: 10.4/18

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

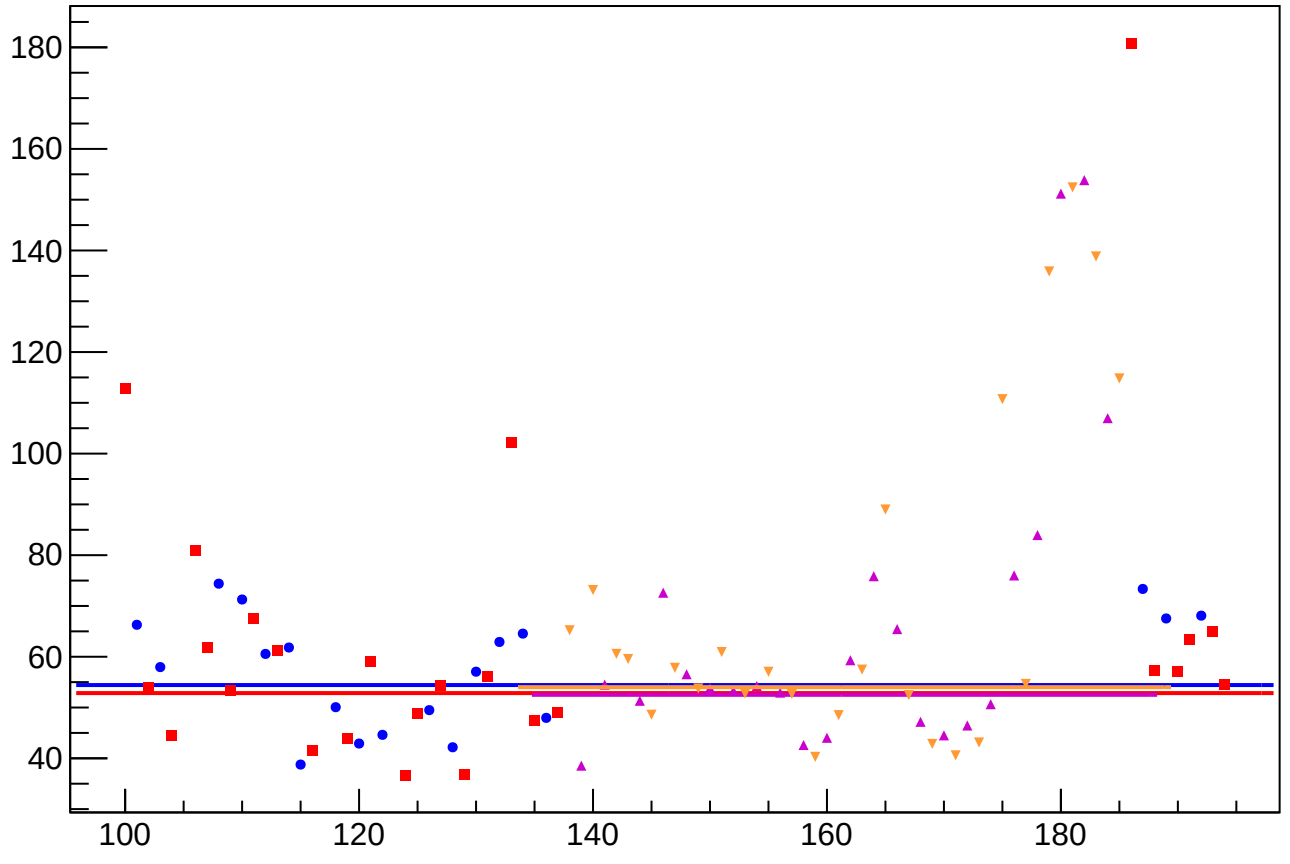
Right Out: 0.004+/-0.017 χ^2/NDF: 15.4/24

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.011+/-0.011 χ^2/NDF: 43.8/43

All: 0.003+/-0.008 χ^2/NDF: 92.5/91

- sign -0.005+/-0.010 χ^2/NDF: 47.7/47



Right In: 54.425+/-0.014 χ^2/NDF: 571387.3/18

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

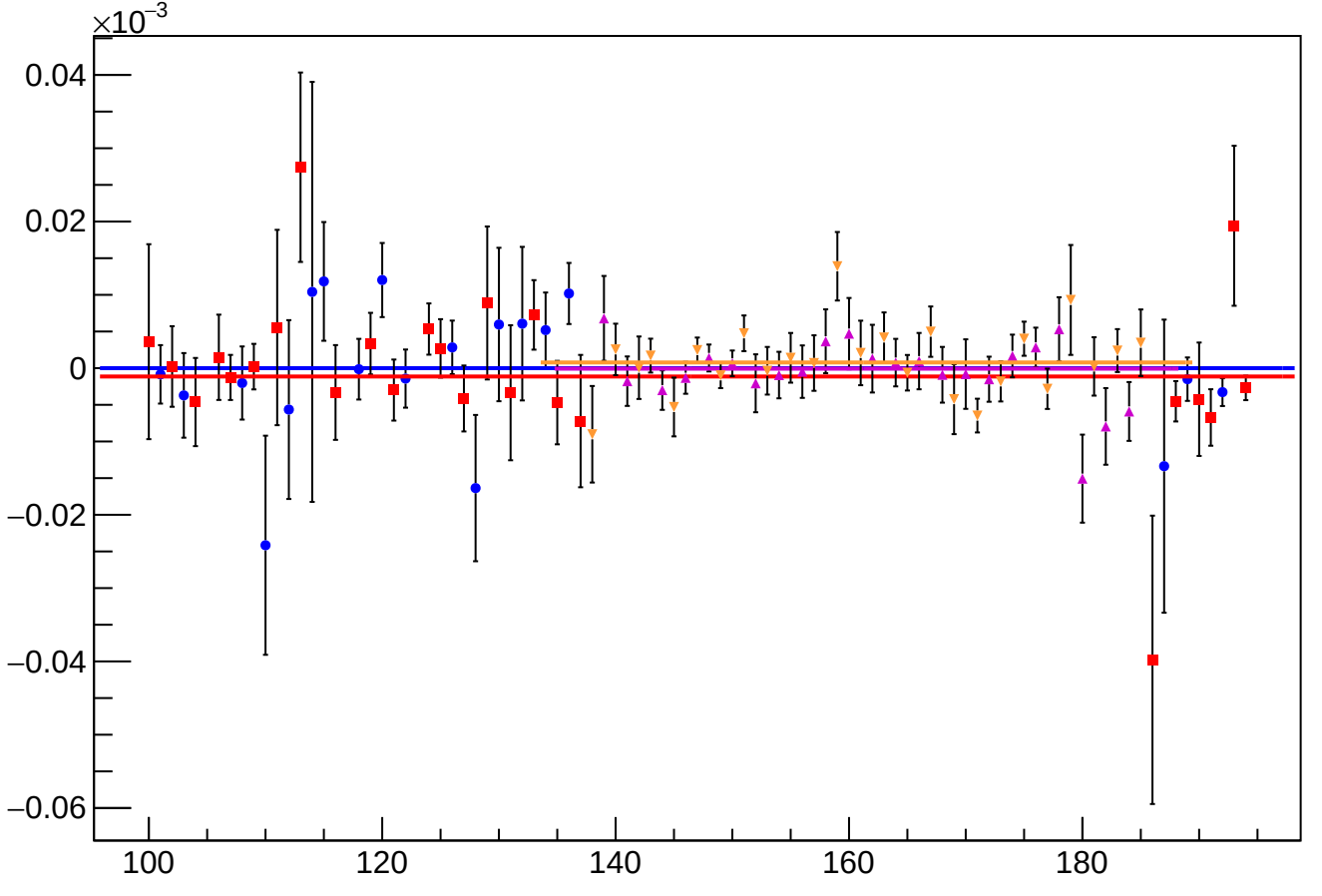
Right Out: 52.842+/-0.012 χ^2/NDF: 1157246.2/24

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 54.147+/-0.008 χ^2/NDF: 3799562.3/43

All: 53.355+/-0.005 χ^2/NDF: 7535368.6/91

- sign 52.632+/-0.007 χ^2/NDF: 3715516.7/47



Right In: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

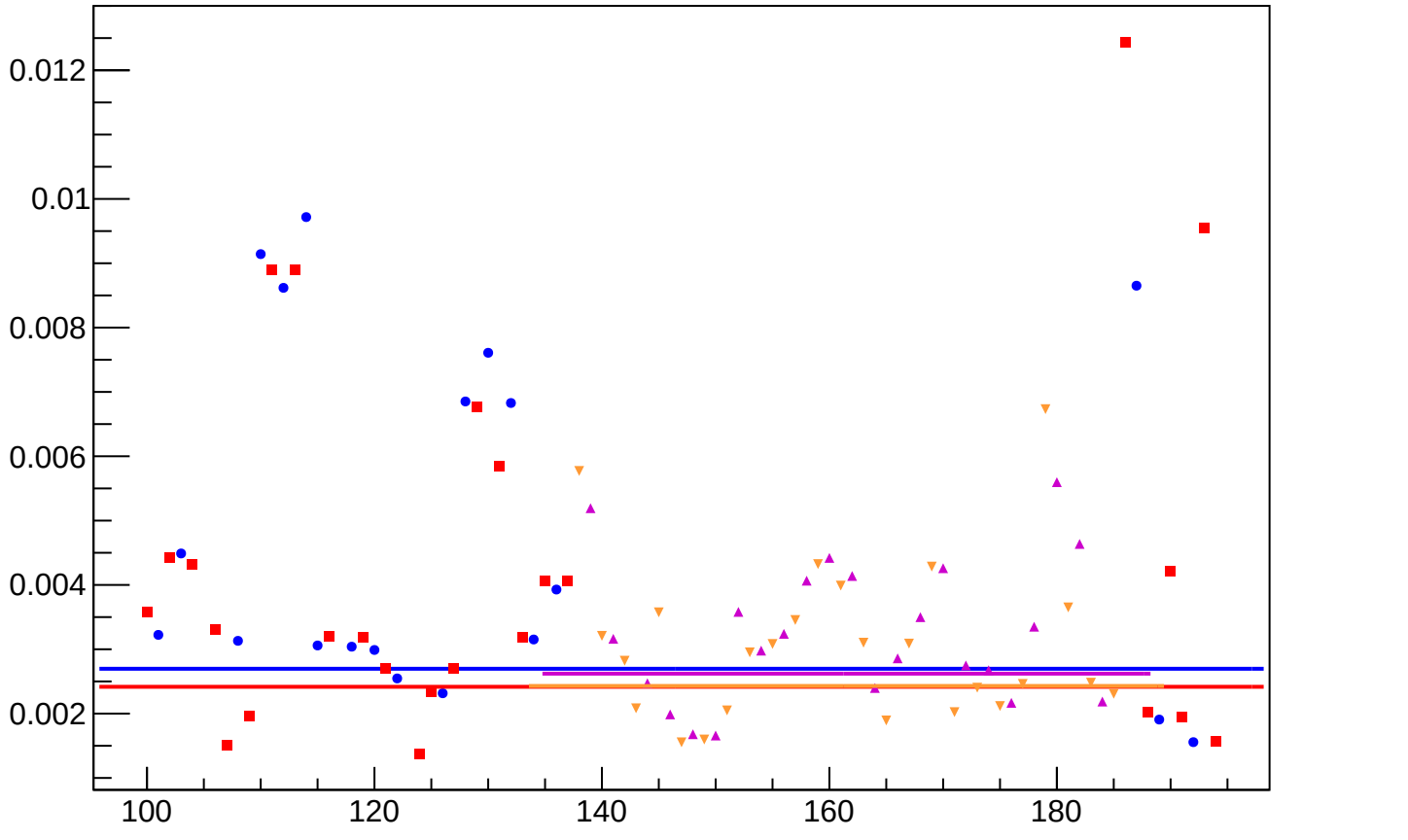
Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/24

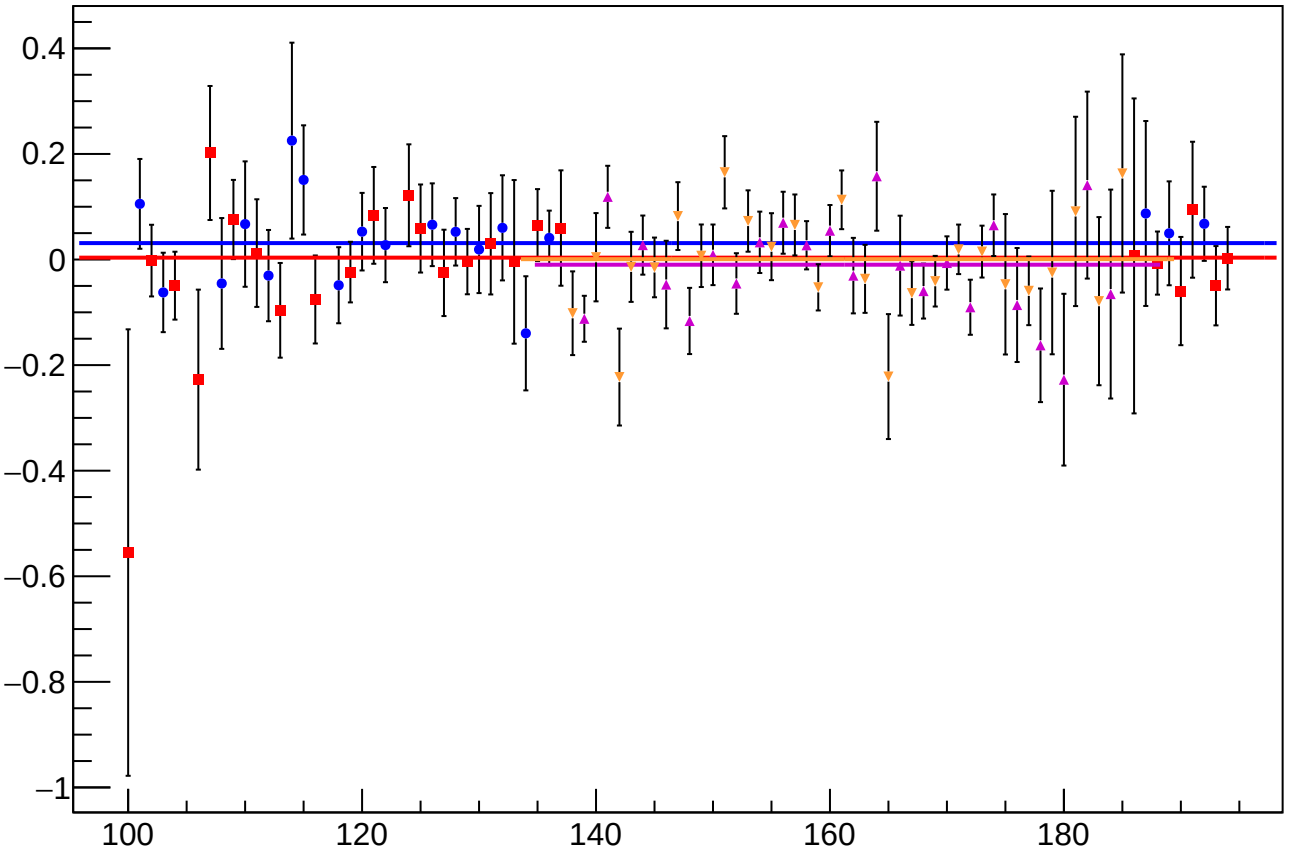
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.6/43

All: 0.000+/-0.000 χ^2/NDF: 117.2/91

- sign -0.000+/-0.000 χ^2/NDF: 50.5/47


asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
Right In: 0.003+/-0.000 χ²/NDF: 3589052.5/18
Left Out: 0.002+/-0.000 χ²/NDF:4218362.5/24
Right Out: 0.002+/-0.000 χ²/NDF: 5000789.3/24
Left In: 0.003+/-0.000 χ²/NDF:3955310.5/22
+ sign 0.002+/-0.000 χ²/NDF: 7906584.5/43
All: 0.003+/-0.000 χ²/NDF: 16943216.2/91
- sign 0.003+/-0.000 χ²/NDF: 9026940.2/47



Right In: 0.031+/-0.019 χ^2/NDF: 10.4/18

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

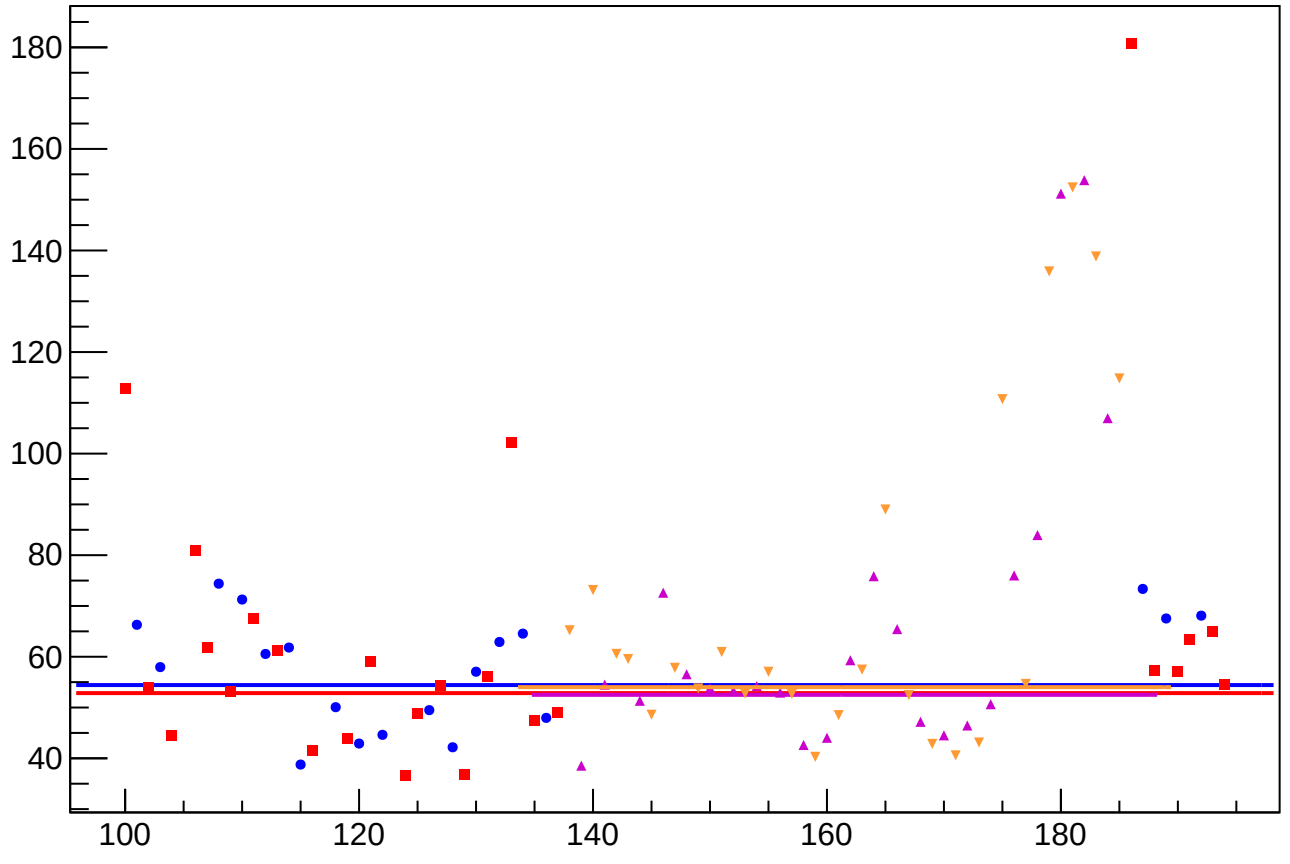
Right Out: 0.004+/-0.017 χ^2/NDF: 15.4/24

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.011+/-0.011 χ^2/NDF: 43.8/43

All: 0.003+/-0.008 χ^2/NDF: 92.5/91

- sign -0.005+/-0.010 χ^2/NDF: 47.7/47



Right In: 54.424+/-0.014 χ^2/NDF: 571357.1/18

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

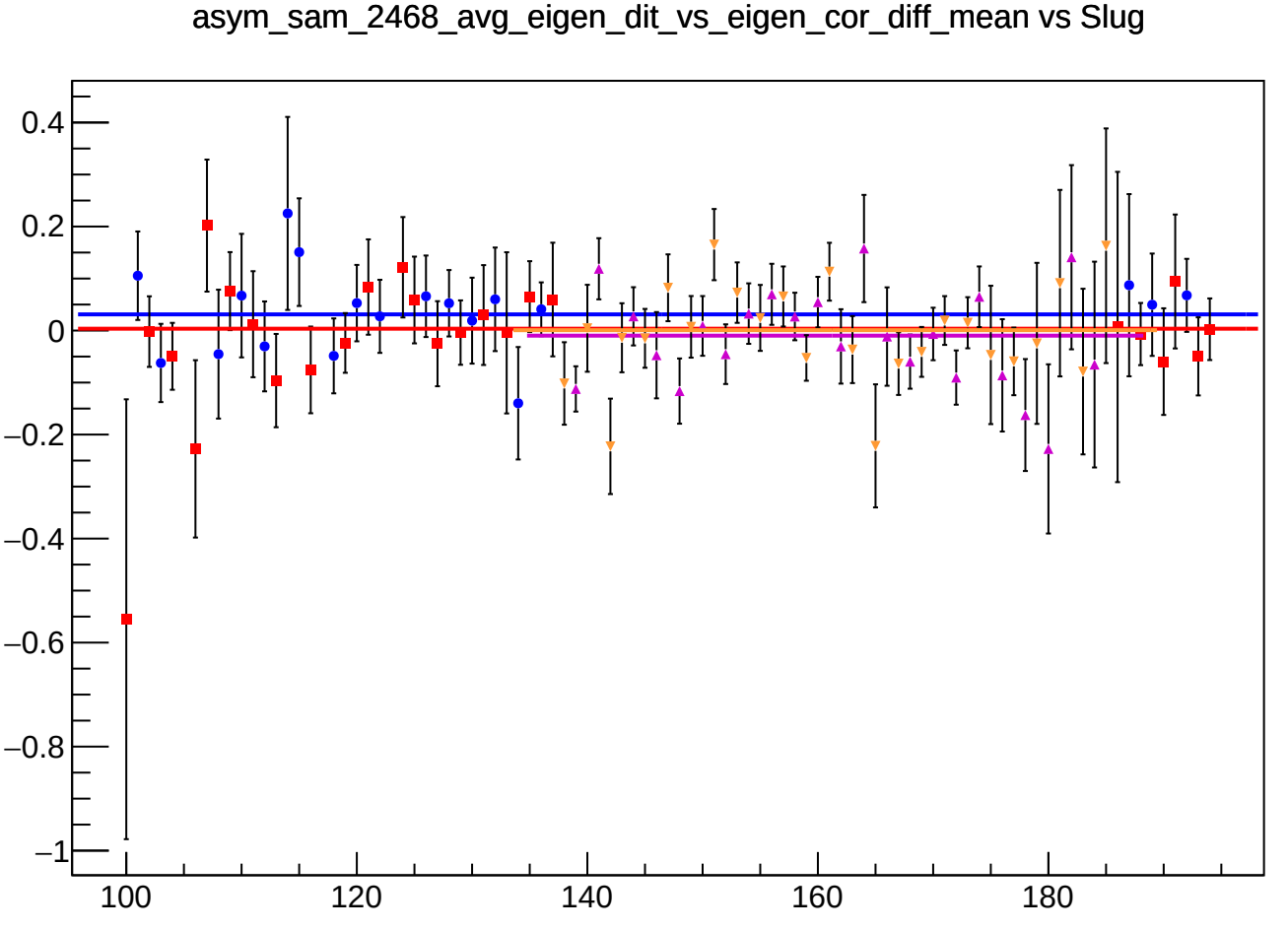
Right Out: 52.841+/-0.012 χ^2/NDF: 1157266.9/24

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 54.147+/-0.008 χ^2/NDF: 3799546.4/43

All: 53.355+/-0.005 χ^2/NDF: 7535413.2/91

- sign 52.632+/-0.007 χ^2/NDF: 3715576.0/47



Right In: 0.031+/-0.019 χ^2/NDF: 10.4/18

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

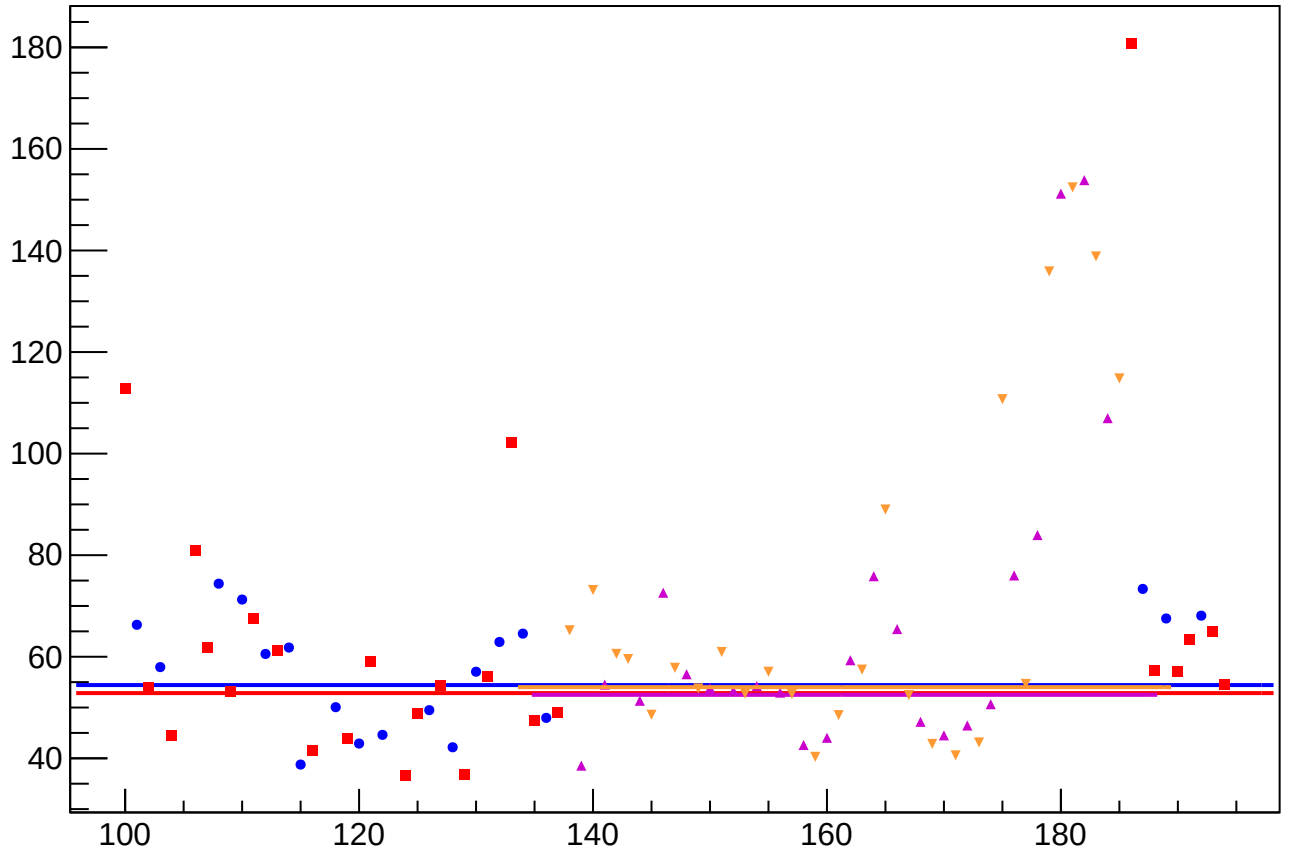
Right Out: 0.004+/-0.017 χ^2/NDF: 15.4/24

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.011+/-0.011 χ^2/NDF: 43.8/43

All: 0.003+/-0.008 χ^2/NDF: 92.5/91

- sign -0.005+/-0.010 χ^2/NDF: 47.7/47



Right In: 54.424+/-0.014 χ^2/NDF: 571357.1/18

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

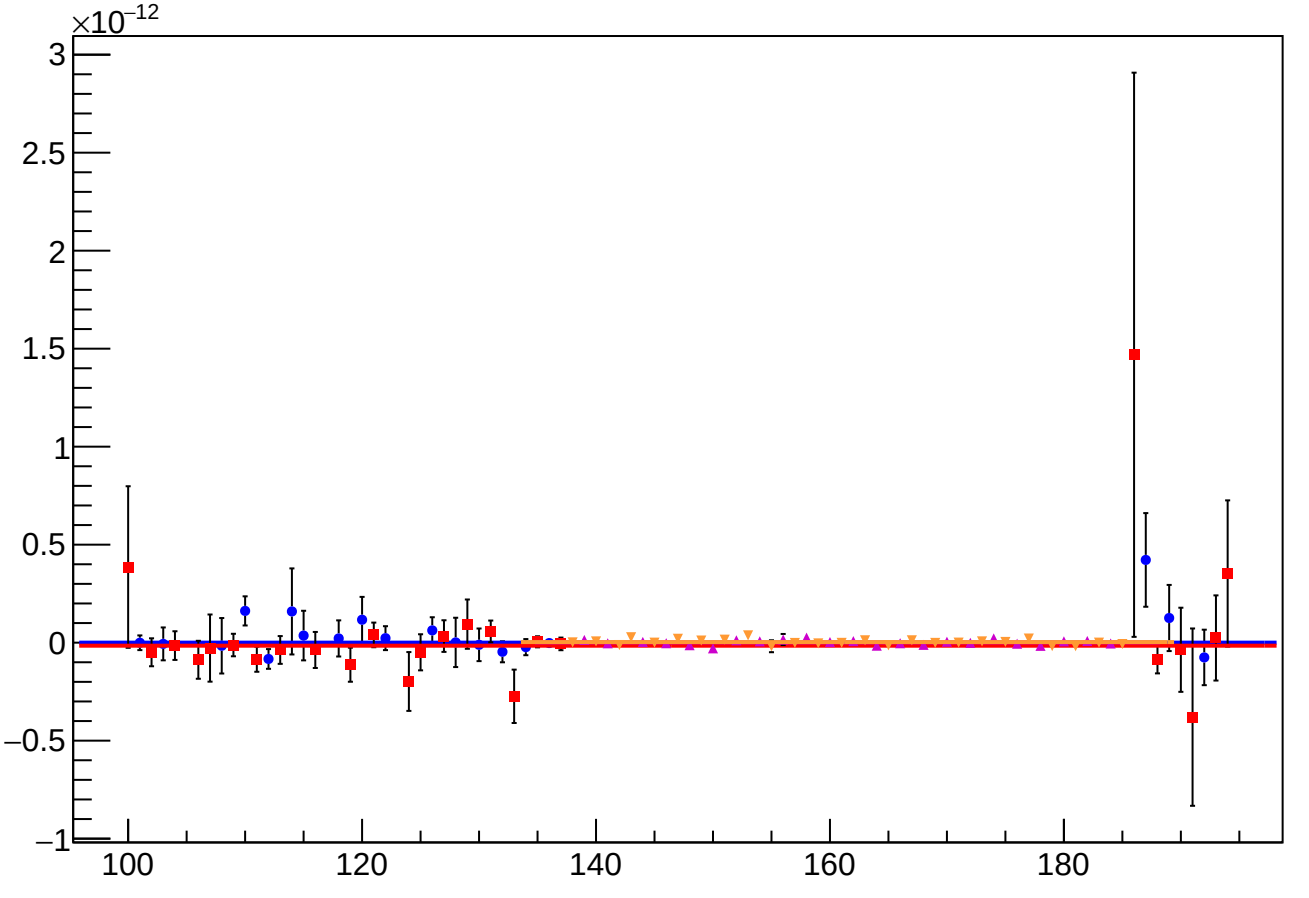
Right Out: 52.841+/-0.012 χ^2/NDF: 1157266.9/24

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 54.147+/-0.008 χ^2/NDF: 3799546.4/43

All: 53.355+/-0.005 χ^2/NDF: 7535413.2/91

- sign 52.632+/-0.007 χ^2/NDF: 3715576.0/47



Right In: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

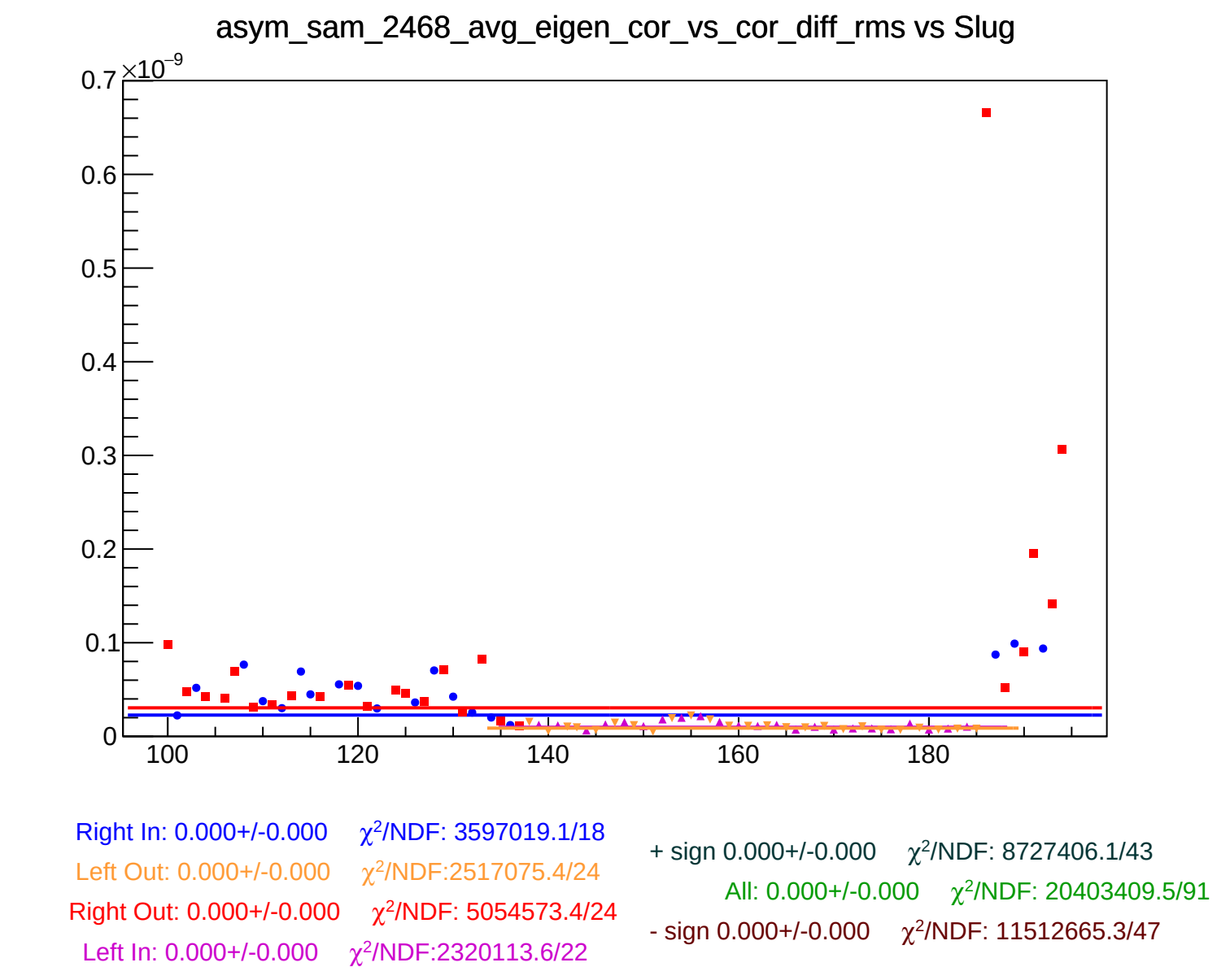
Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/24

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

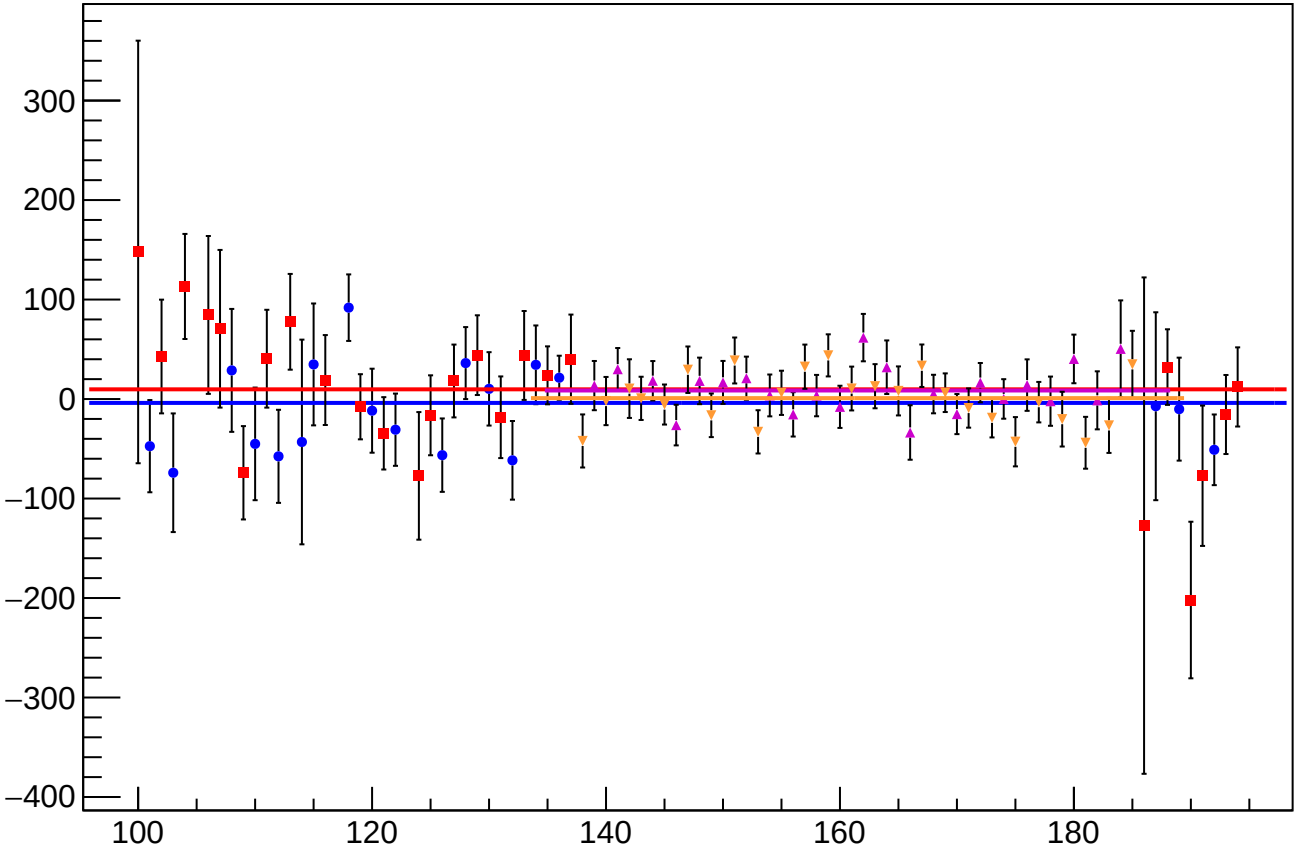
+ sign 0.000+/-0.000 χ^2/NDF: 37.1/43

All: 0.000+/-0.000 χ^2/NDF: 71.4/91

- sign 0.000+/-0.000 χ^2/NDF: 34.1/47


asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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: 3597019.1/18
Left Out: 0.000+/-0.000 χ²/NDF:2517075.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 5054573.4/24
Left In: 0.000+/-0.000 χ²/NDF:2320113.6/22
+ sign 0.000+/-0.000 χ²/NDF: 8727406.1/43
All: 0.000+/-0.000 χ²/NDF: 20403409.5/91
- sign 0.000+/-0.000 χ²/NDF: 11512665.3/47

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: 9.757+/-9.197 χ^2/NDF: 28.1/24

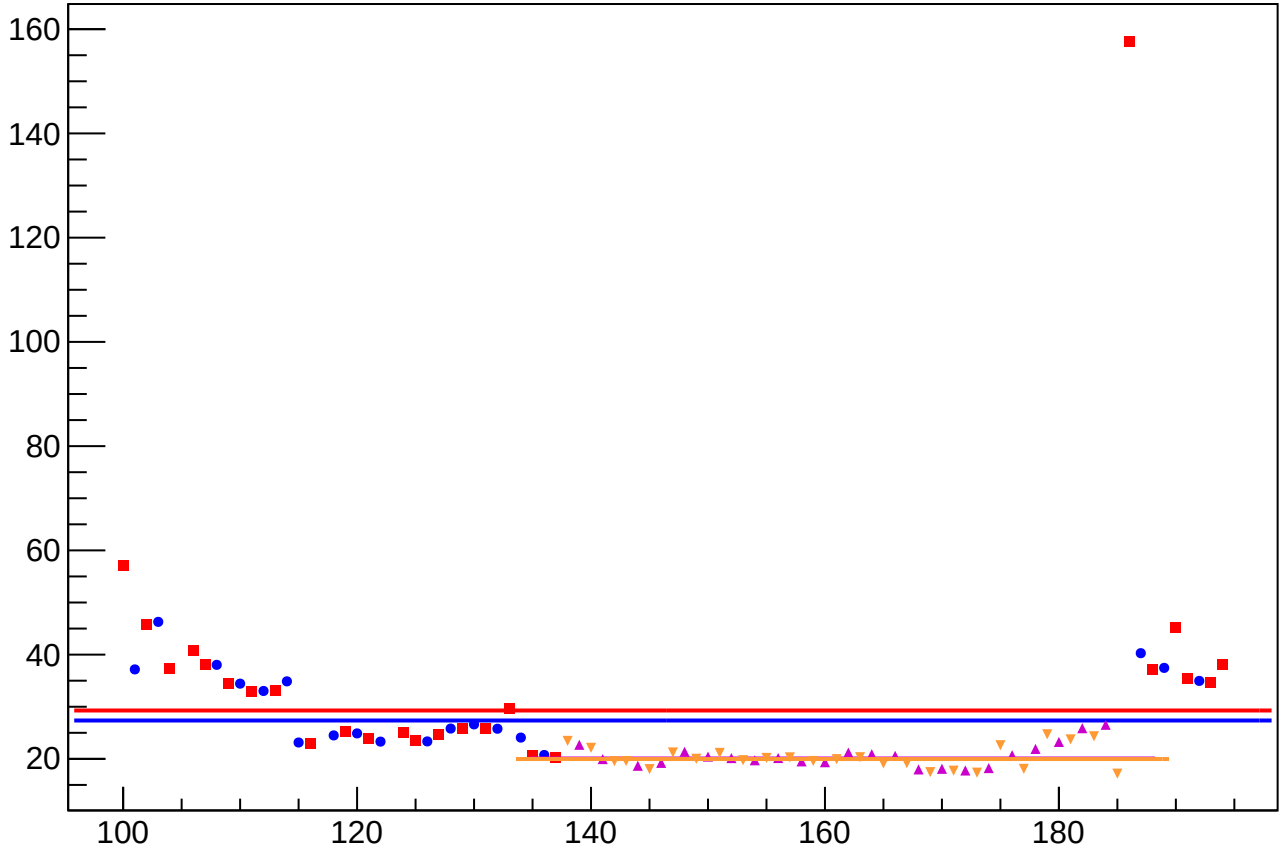
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.005+/-4.118 χ^2/NDF: 52.7/43

All: 4.334+/-2.941 χ^2/NDF: 102.4/91

- sign 8.842+/-4.202 χ^2/NDF: 47.4/47

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

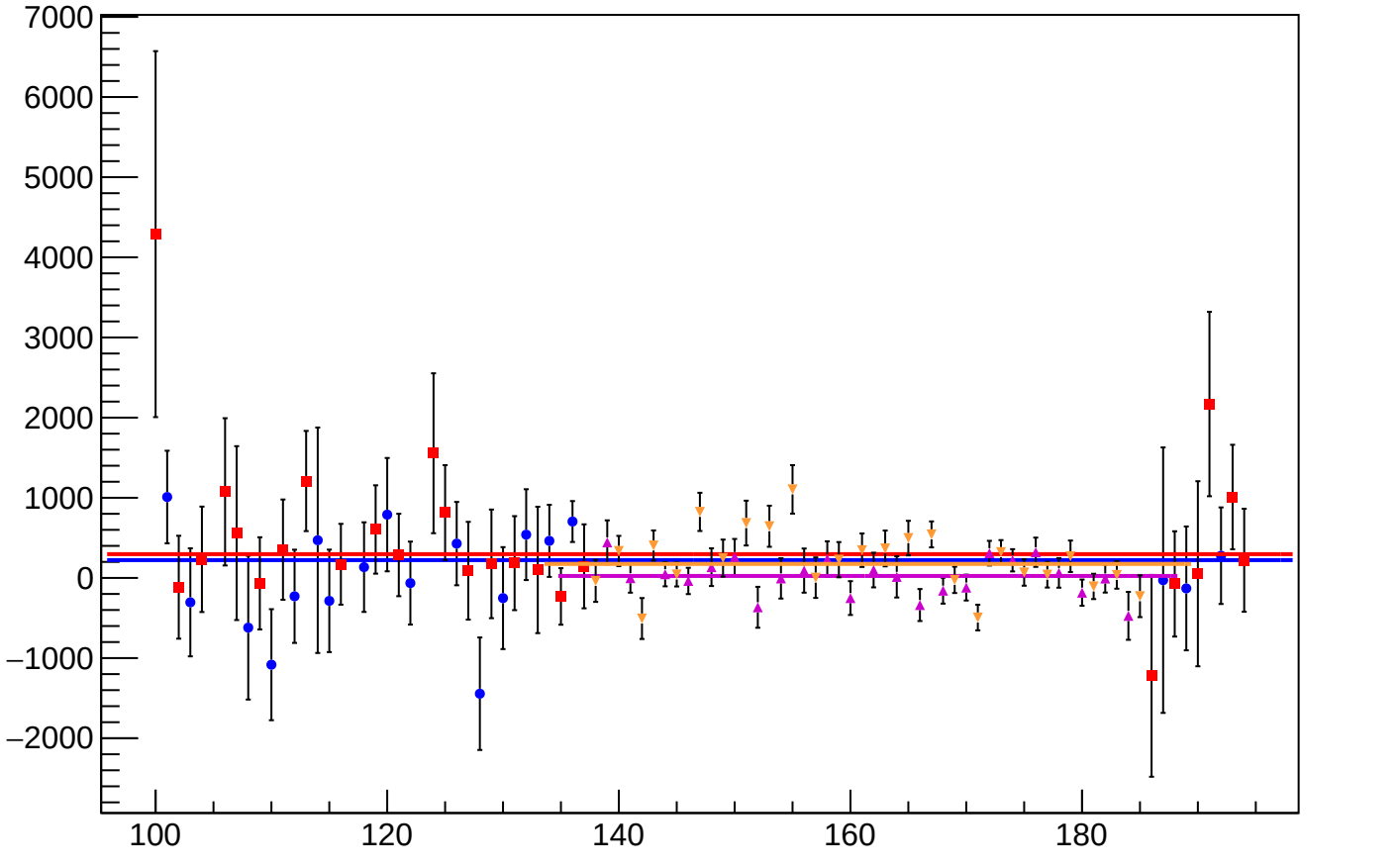
Right Out: 29.282+/-0.007 χ^2/NDF: 1688191.6/24

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.370+/-0.003 χ^2/NDF: 2284002.3/43

All: 21.676+/-0.002 χ^2/NDF: 5883474.3/91

- sign 21.995+/-0.003 χ^2/NDF: 3576935.9/47



Right In: 222.428+/-129.348 χ^2/NDF: 19.9/18

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: 296.791+/-128.802 χ^2/NDF: 17.8/24

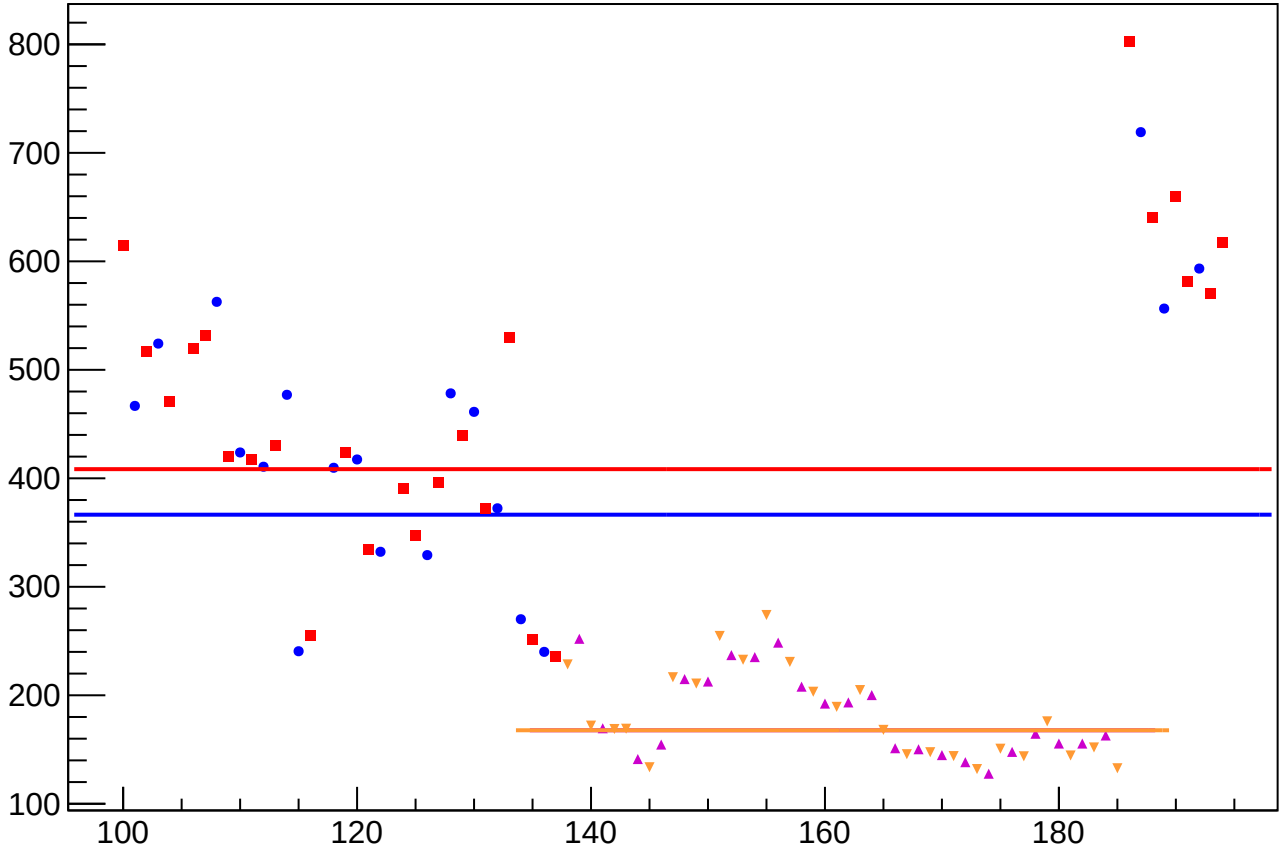
Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 178.680+/-37.383 χ^2/NDF: 91.2/43

All: 115.155+/-26.739 χ^2/NDF: 145.9/91

- sign 48.609+/-38.262 χ^2/NDF: 48.7/47

asym_sam_1357_2468_dd_reg_correction_rms vs Slug



Right In: 366.467+/-0.091 χ^2/NDF: 1595057.6/18

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 408.448+/-0.091 χ^2/NDF: 1994675.6/24

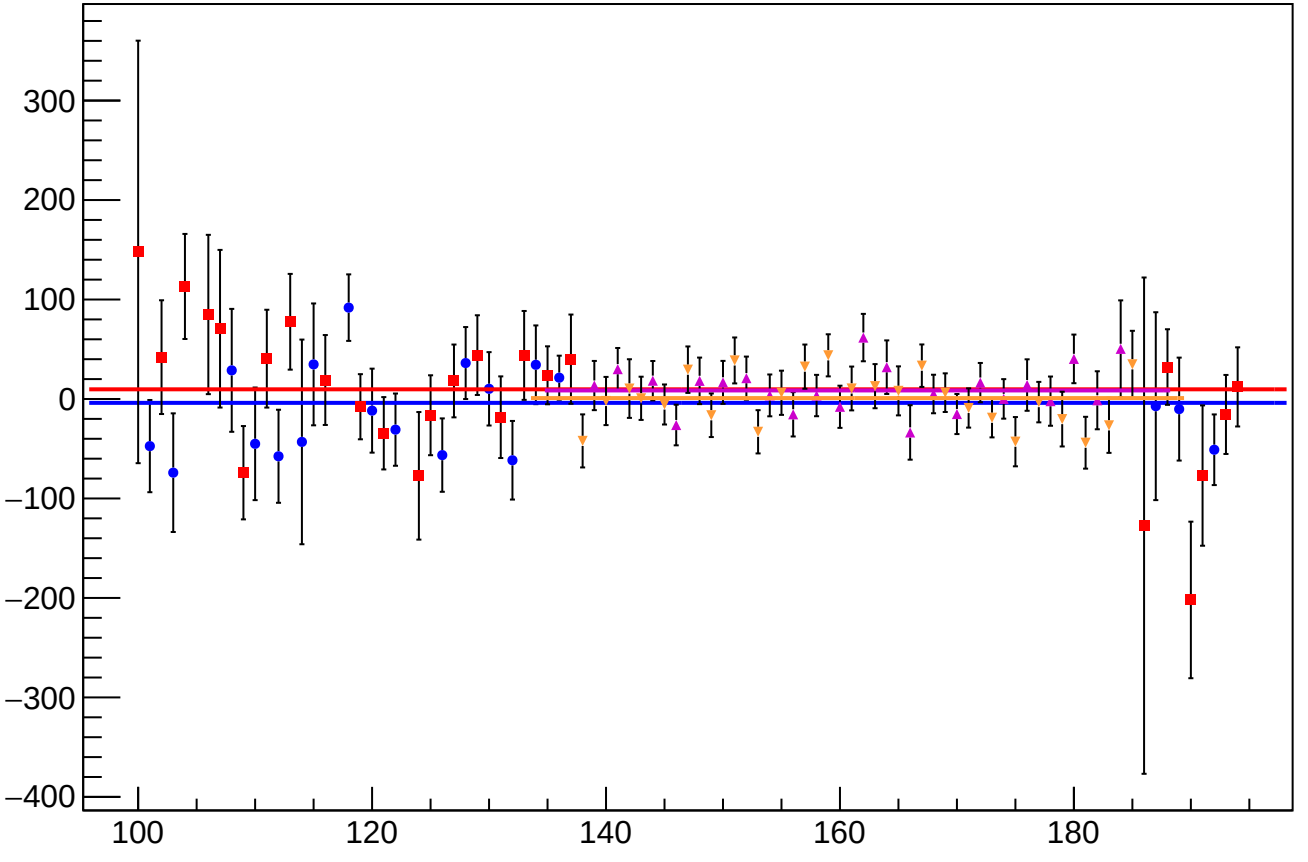
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 184.352+/-0.026 χ^2/NDF: 7499222.6/43

All: 186.616+/-0.019 χ^2/NDF: 17280172.0/91

- sign 188.988+/-0.027 χ^2/NDF: 9765926.6/47

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: 9.724+/-9.198 χ^2/NDF: 28.0/24

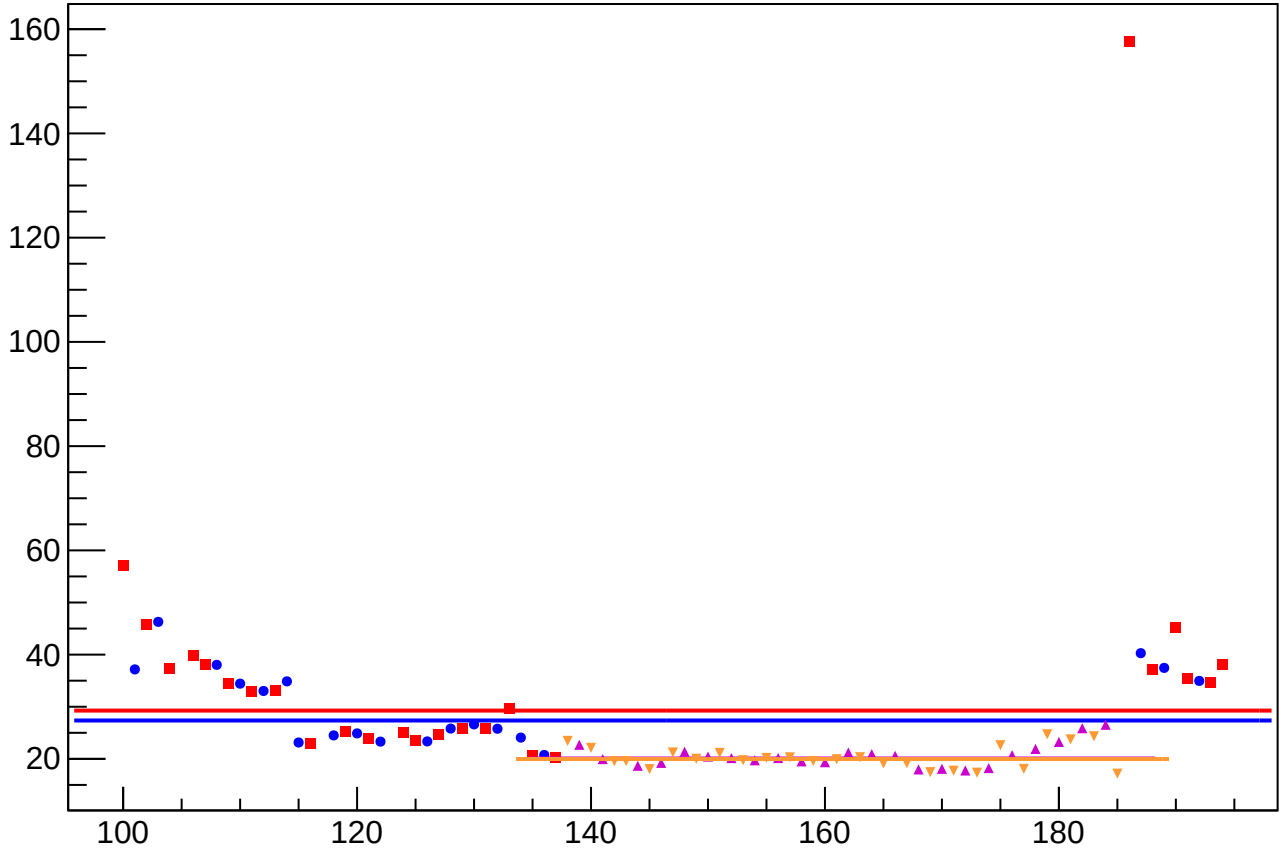
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.004+/-4.118 χ^2/NDF: 52.7/43

All: 4.330+/-2.941 χ^2/NDF: 102.4/91

- sign 8.835+/-4.202 χ^2/NDF: 47.4/47

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

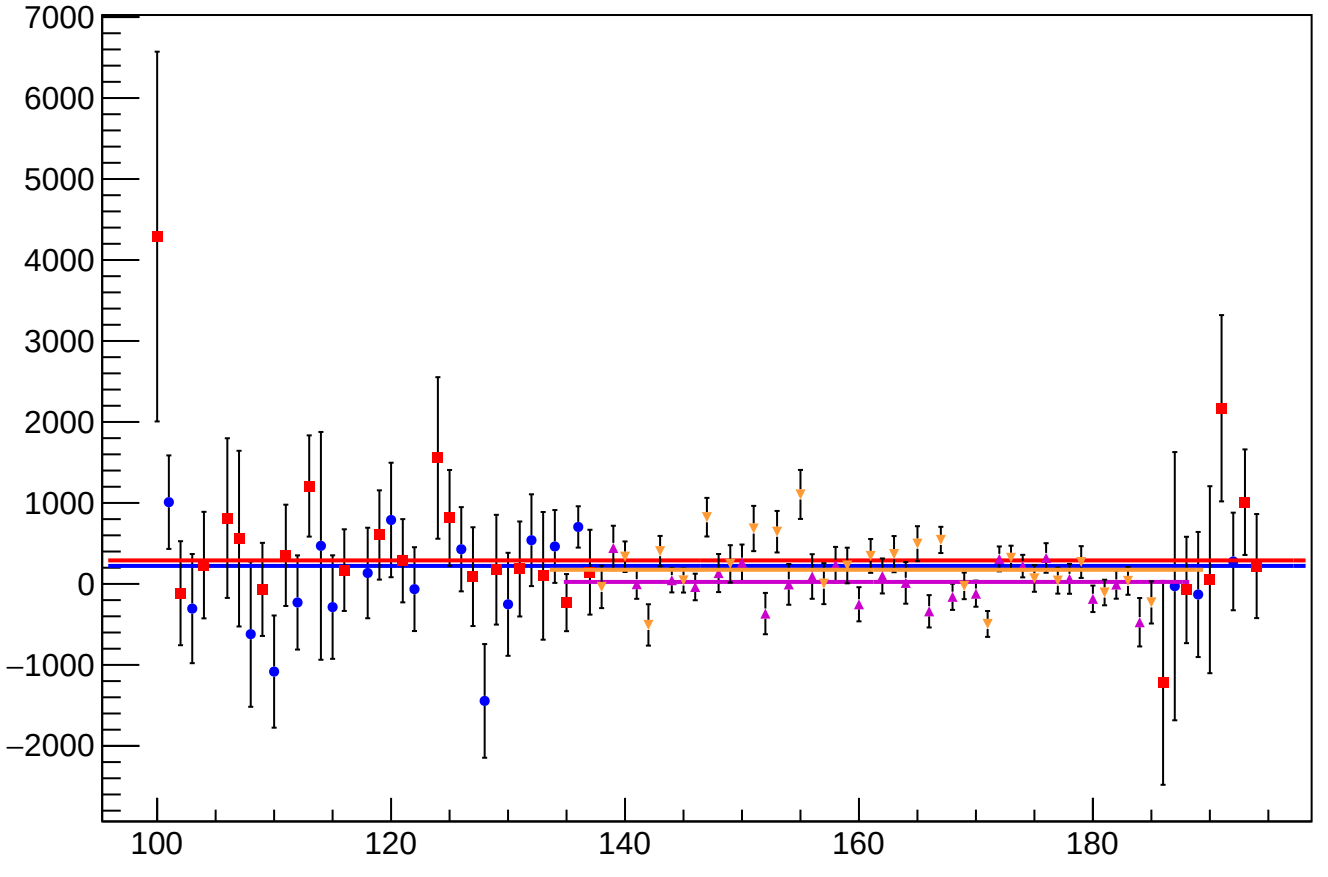
Right Out: 29.265+/-0.007 χ^2/NDF: 1680196.9/24

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.370+/-0.003 χ^2/NDF: 2284005.6/43

All: 21.674+/-0.002 χ^2/NDF: 5869006.7/91

- sign 21.991+/-0.003 χ^2/NDF: 3562750.3/47



Right In: 222.421+/-129.348 χ^2/NDF: 19.9/18

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

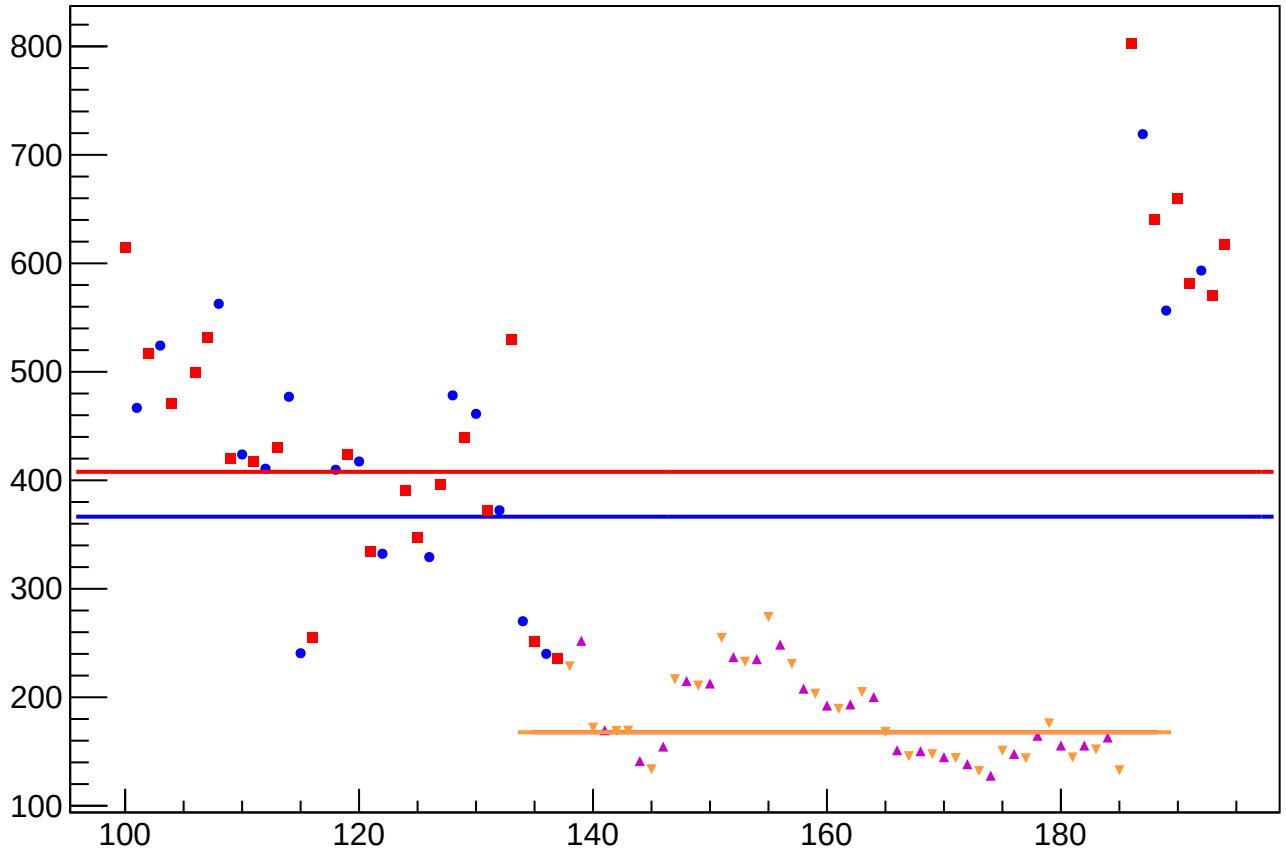
Right Out: 290.379+/-128.972 χ^2/NDF: 17.3/24

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 178.677+/-37.383 χ^2/NDF: 91.2/43

All: 114.858+/-26.740 χ^2/NDF: 145.3/91

- sign 47.988+/-38.266 χ^2/NDF: 48.1/47



Right In: 366.467+/-0.091 χ^2/NDF: 1595085.0/18

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

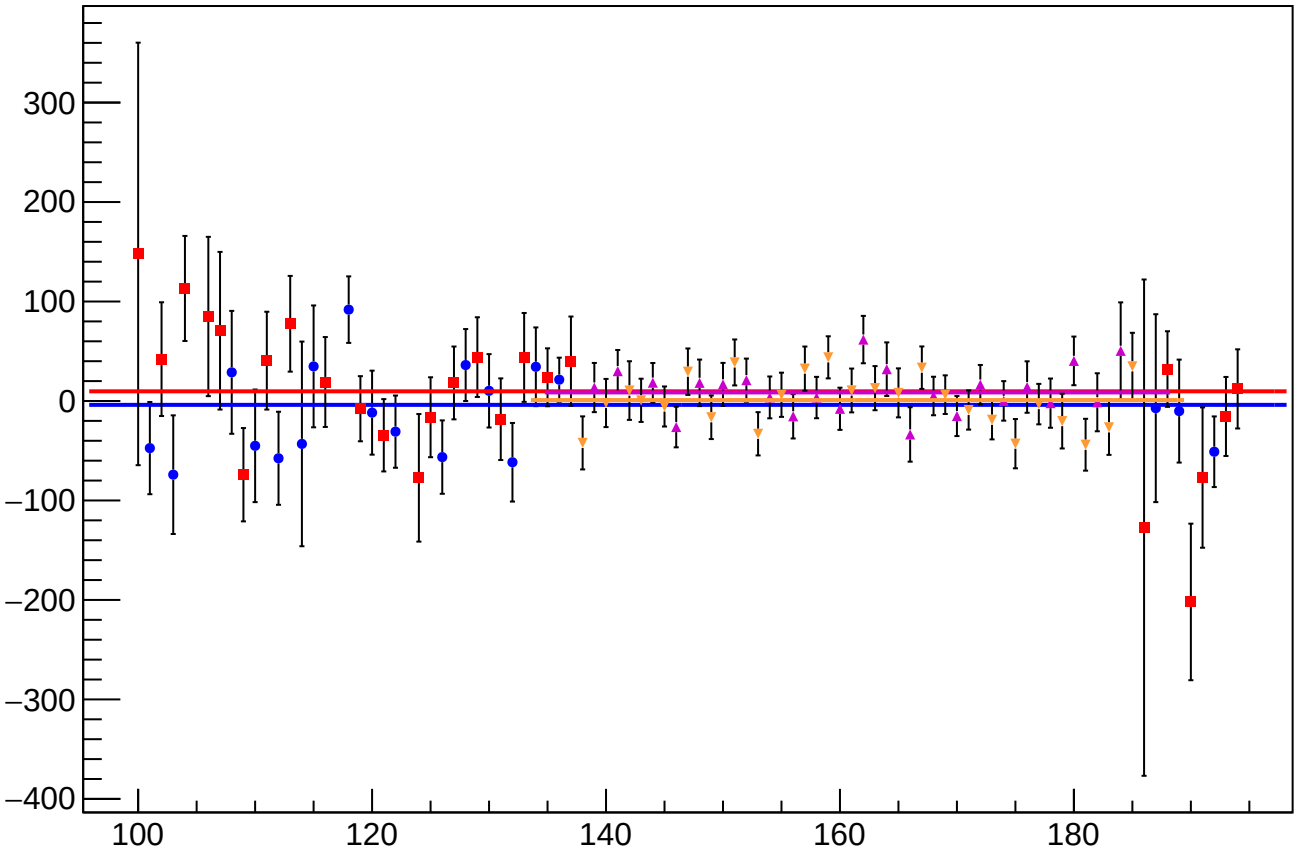
Right Out: 407.816+/-0.091 χ^2/NDF: 1982481.3/24

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 184.352+/-0.026 χ^2/NDF: 7499245.3/43

All: 186.564+/-0.019 χ^2/NDF: 17218784.8/91

- sign 188.882+/-0.027 χ^2/NDF: 9705199.1/47



Right In: -3.889+/-9.456 χ^2/NDF: 23.3/18

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 9.724+/-9.198 χ^2/NDF: 28.0/24

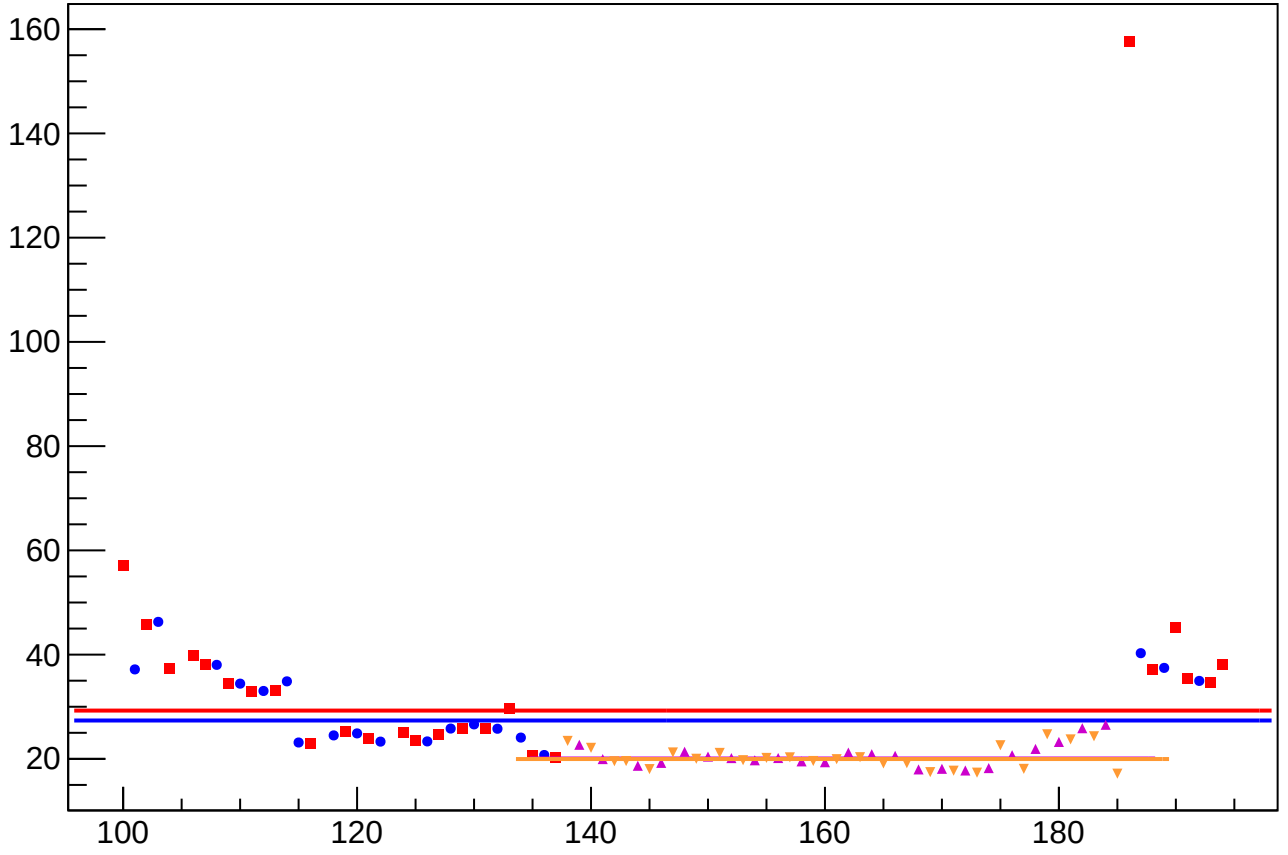
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.004+/-4.118 χ^2/NDF: 52.7/43

All: 4.330+/-2.941 χ^2/NDF: 102.4/91

- sign 8.835+/-4.202 χ^2/NDF: 47.4/47

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

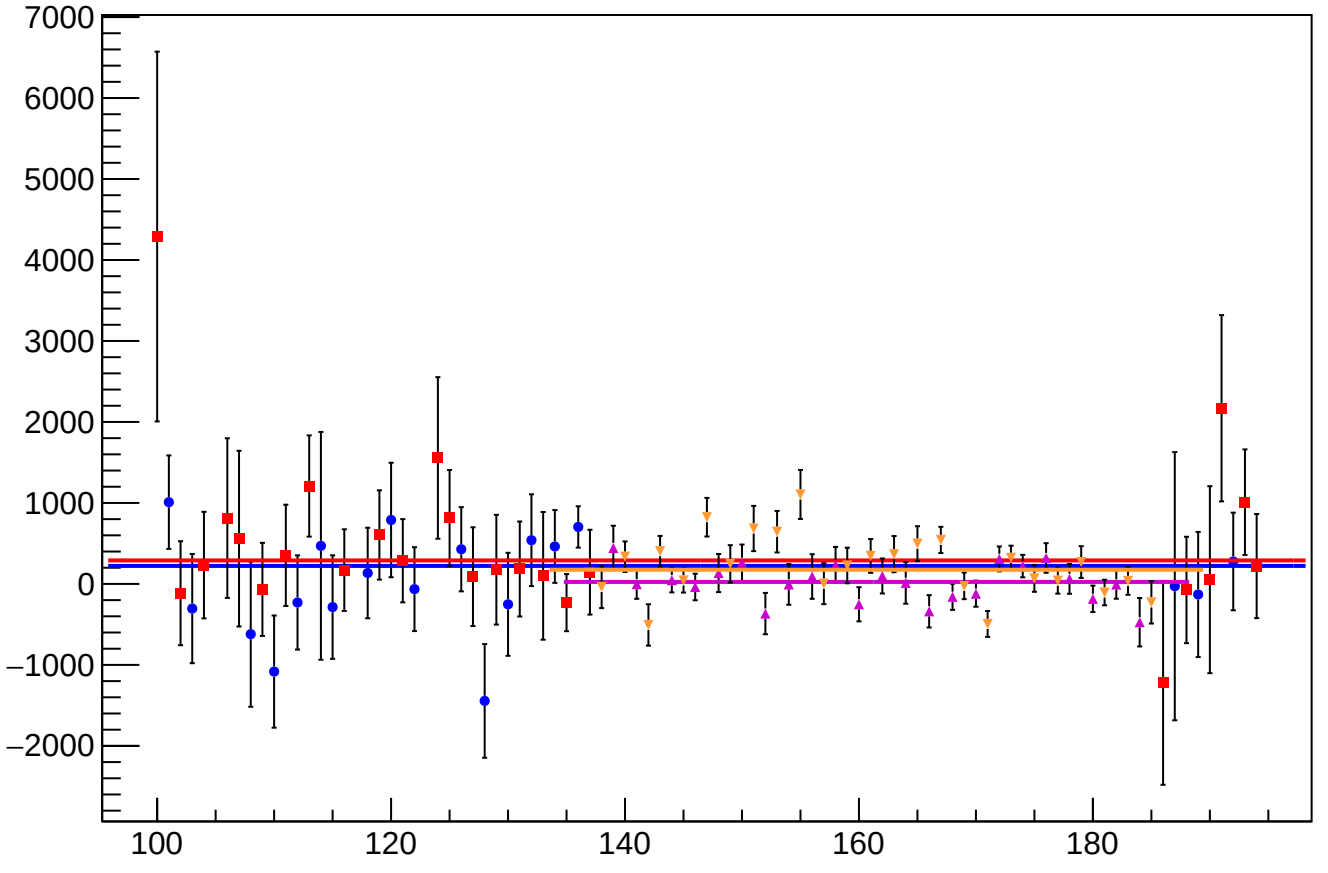
Right Out: 29.265+/-0.007 χ^2/NDF: 1680196.9/24

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.370+/-0.003 χ^2/NDF: 2284005.6/43

All: 21.674+/-0.002 χ^2/NDF: 5869006.7/91

- sign 21.991+/-0.003 χ^2/NDF: 3562750.3/47



Right In: 222.421+/-129.348 χ^2/NDF: 19.9/18

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

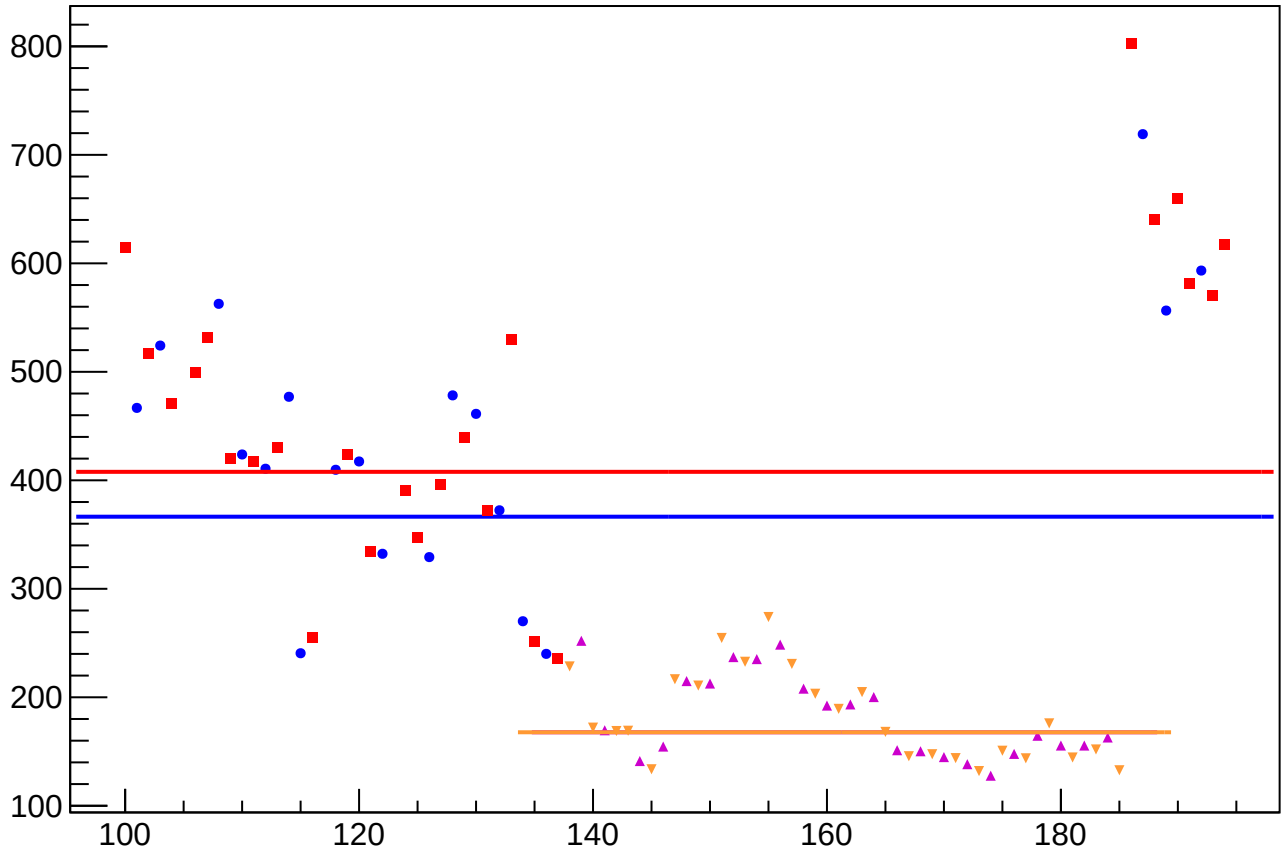
Right Out: 290.379+/-128.972 χ^2/NDF: 17.3/24

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 178.677+/-37.383 χ^2/NDF: 91.2/43

All: 114.858+/-26.740 χ^2/NDF: 145.3/91

- sign 47.988+/-38.266 χ^2/NDF: 48.1/47



Right In: 366.467+/-0.091 χ^2/NDF: 1595085.0/18

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 407.816+/-0.091 χ^2/NDF: 1982481.3/24

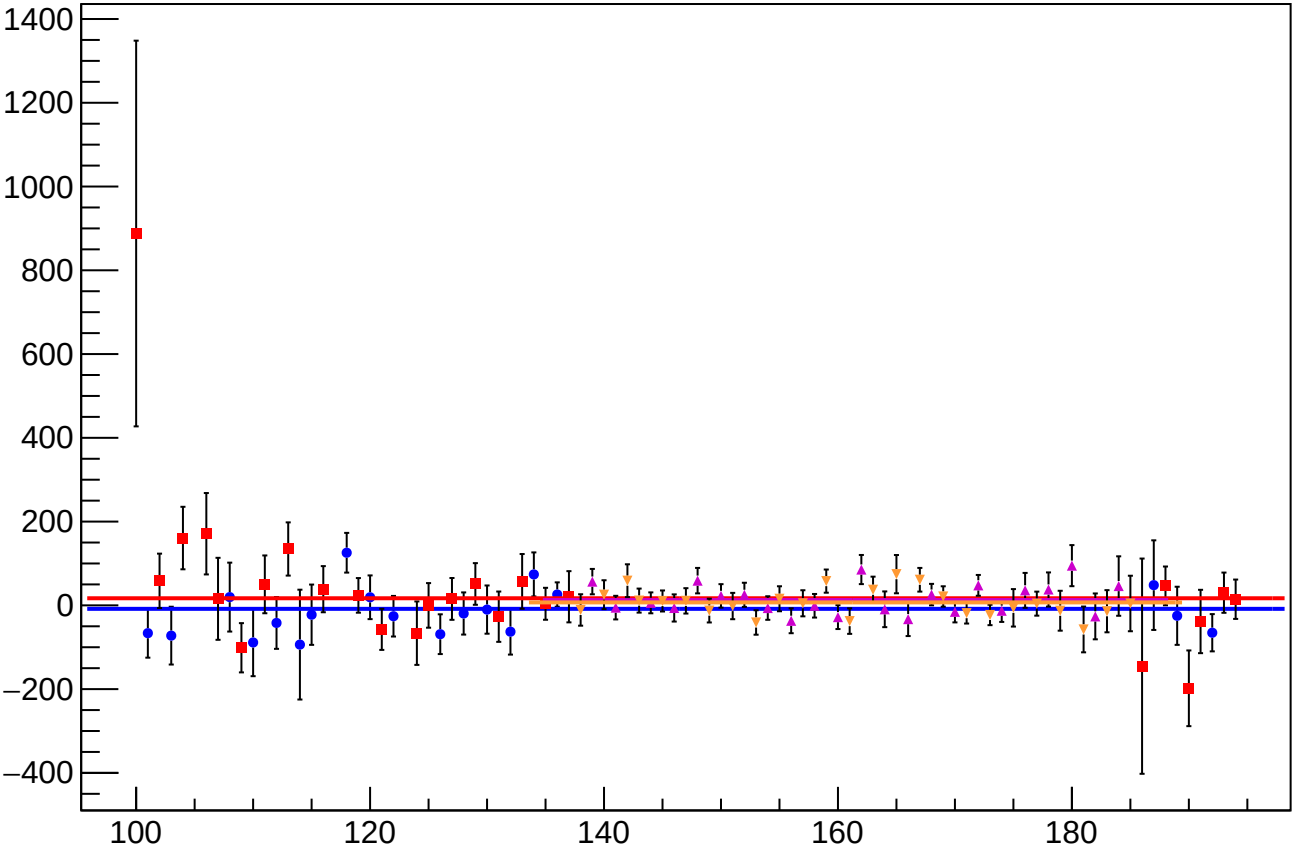
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 184.352+/-0.026 χ^2/NDF: 7499245.3/43

All: 186.564+/-0.019 χ^2/NDF: 17218784.8/91

- sign 188.882+/-0.027 χ^2/NDF: 9705199.1/47

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -8.330+/-12.523 χ^2/NDF: 20.6/18

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 16.939+/-11.807 χ^2/NDF: 30.3/24

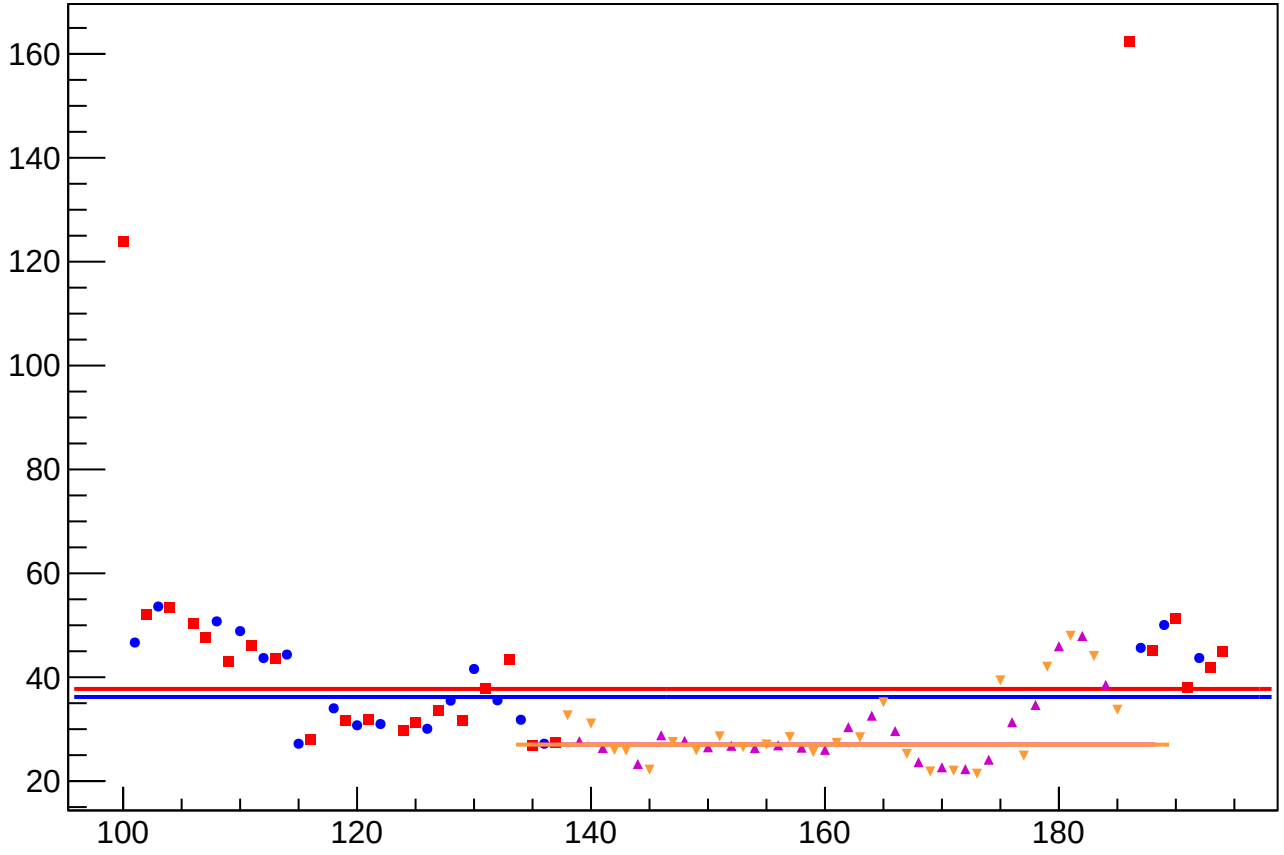
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.941+/-5.652 χ^2/NDF: 44.5/43

All: 8.769+/-4.014 χ^2/NDF: 102.0/91

- sign 13.687+/-5.703 χ^2/NDF: 56.0/47

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

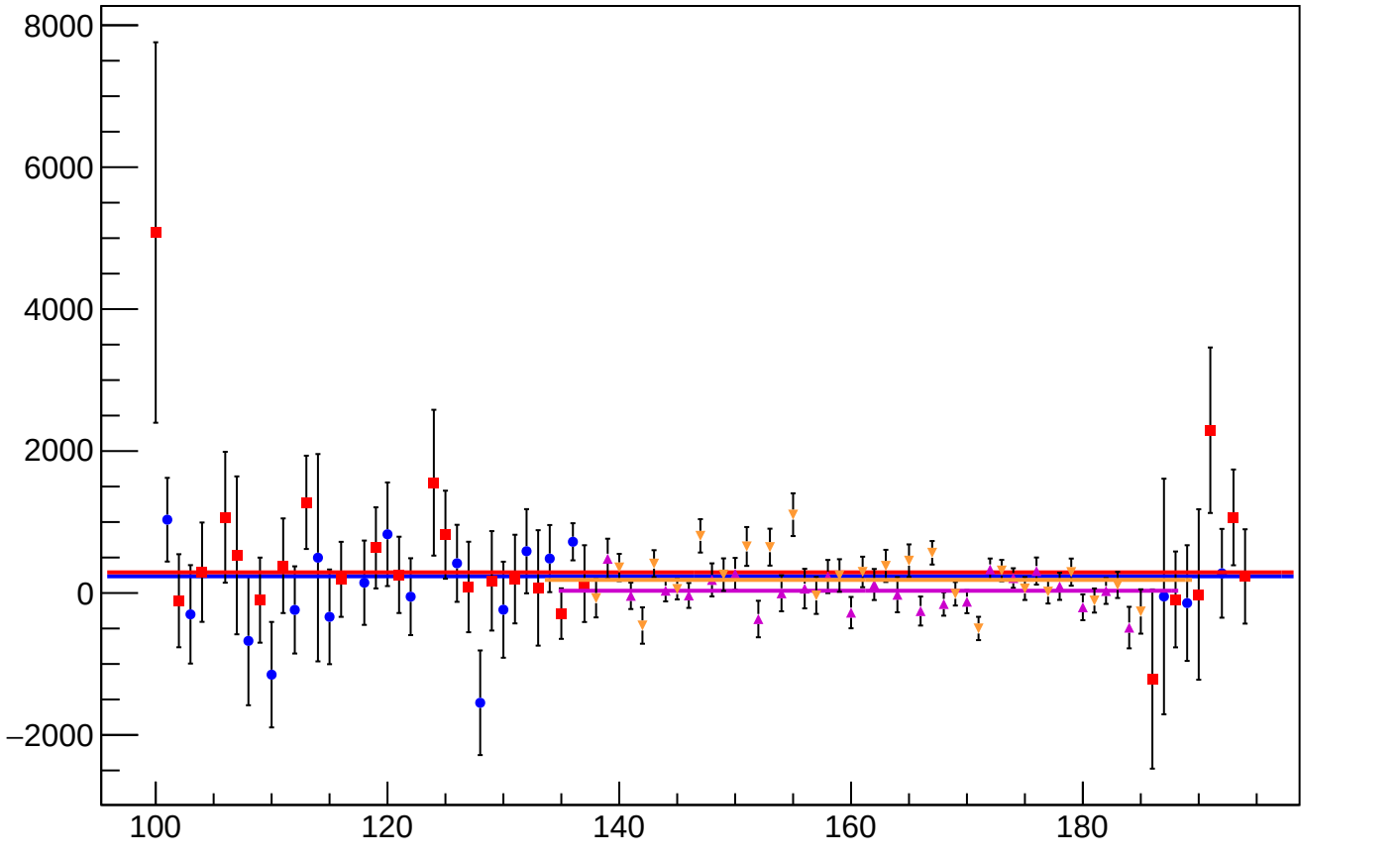
Right Out: 37.748+/-0.008 χ^2/NDF: 1461273.8/24

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 28.894+/-0.004 χ^2/NDF: 3115067.2/43

All: 29.218+/-0.003 χ^2/NDF: 6892306.1/91

- sign 29.548+/-0.004 χ^2/NDF: 3763974.5/47



Right In: 235.424+/-134.542 χ^2/NDF: 20.0/18

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: 291.065+/-133.538 χ^2/NDF: 18.7/24

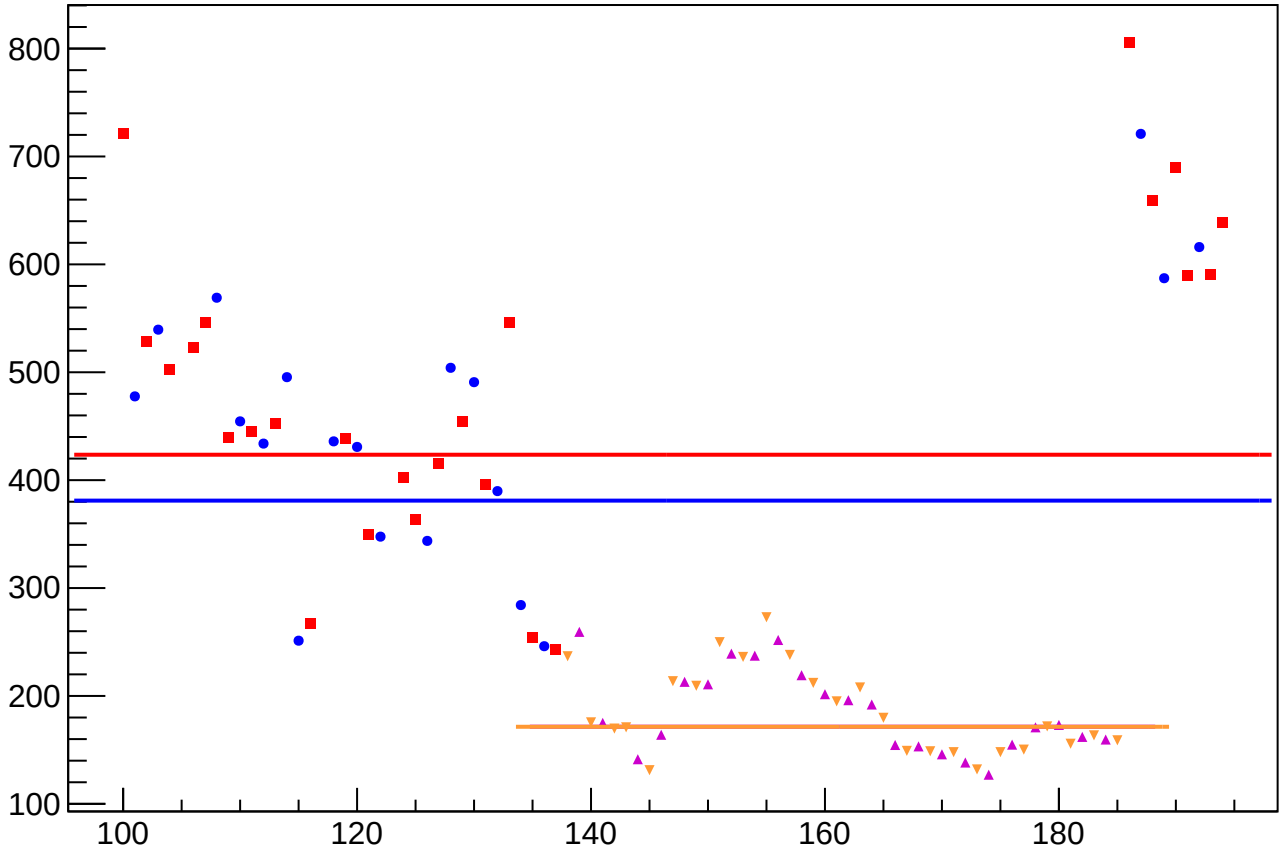
Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 188.764+/-38.193 χ^2/NDF: 87.8/43

All: 123.181+/-27.346 χ^2/NDF: 142.4/91

- sign 54.193+/-39.172 χ^2/NDF: 48.6/47

asym_sam_1357_2468_dd_dit_correction_rms vs Slug



Right In: 381.040+/-0.095 χ^2/NDF: 1628835.6/18

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 423.567+/-0.094 χ^2/NDF: 2014379.6/24

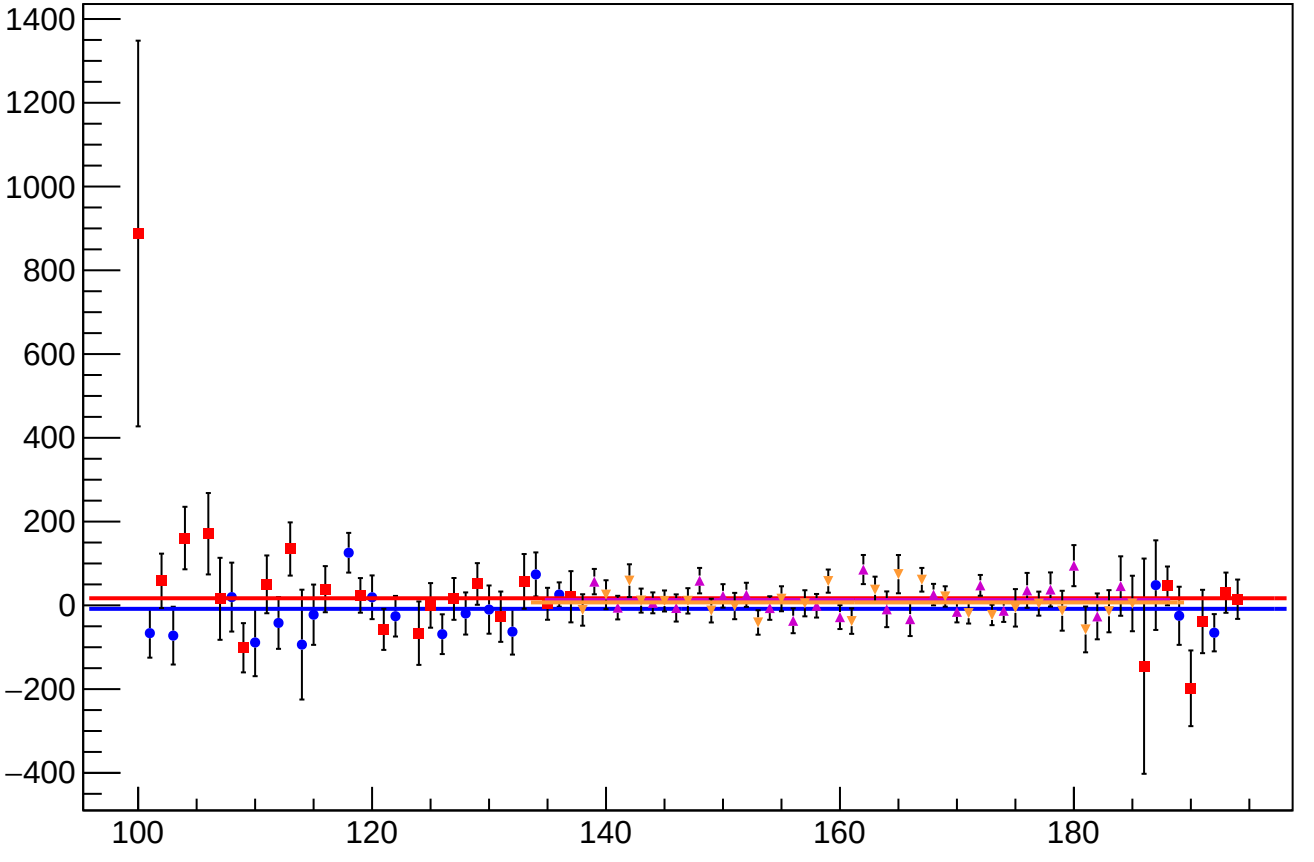
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 188.319+/-0.027 χ^2/NDF: 7619048.1/43

All: 190.688+/-0.019 χ^2/NDF: 17578443.2/91

- sign 193.181+/-0.028 χ^2/NDF: 9943597.2/47

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -8.331+/-12.523 χ^2/NDF: 20.6/18

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 16.938+/-11.807 χ^2/NDF: 30.3/24

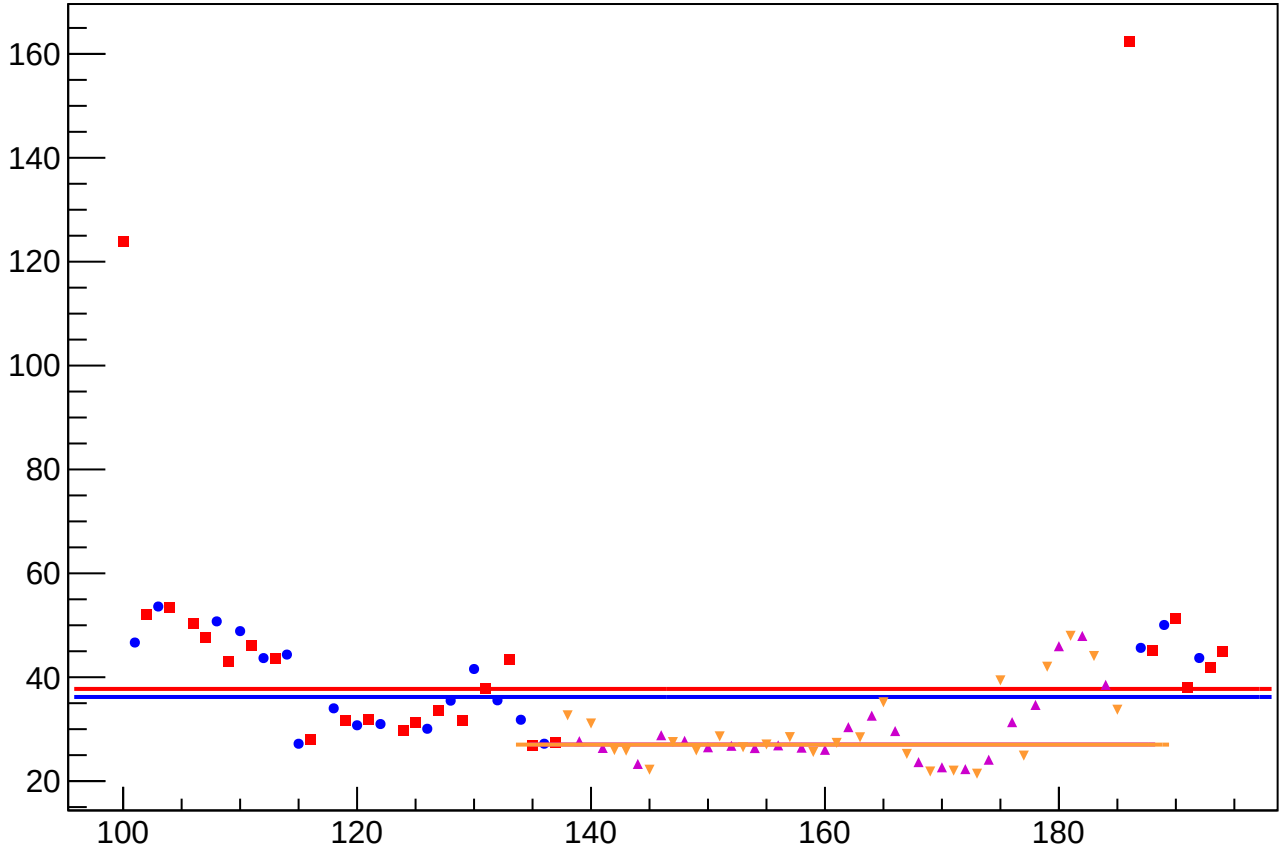
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.941+/-5.652 χ^2/NDF: 44.5/43

All: 8.769+/-4.014 χ^2/NDF: 102.0/91

- sign 13.686+/-5.703 χ^2/NDF: 56.0/47

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

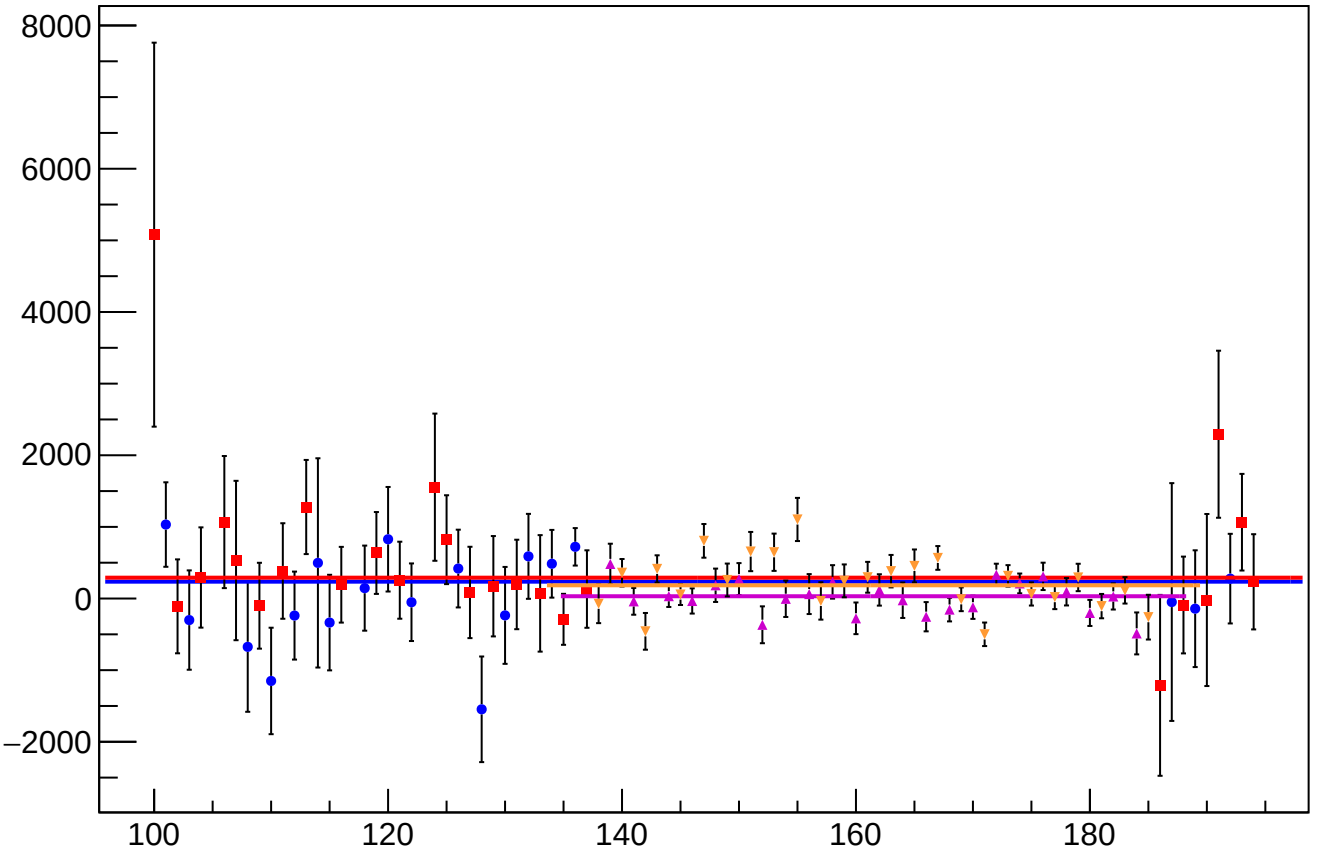
Right Out: 37.748+/-0.008 χ^2/NDF: 1461264.8/24

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 28.894+/-0.004 χ^2/NDF: 3114952.9/43

All: 29.218+/-0.003 χ^2/NDF: 6892073.2/91

- sign 29.548+/-0.004 χ^2/NDF: 3763856.6/47



Right In: 235.422+/-134.542 χ^2/NDF: 20.0/18

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

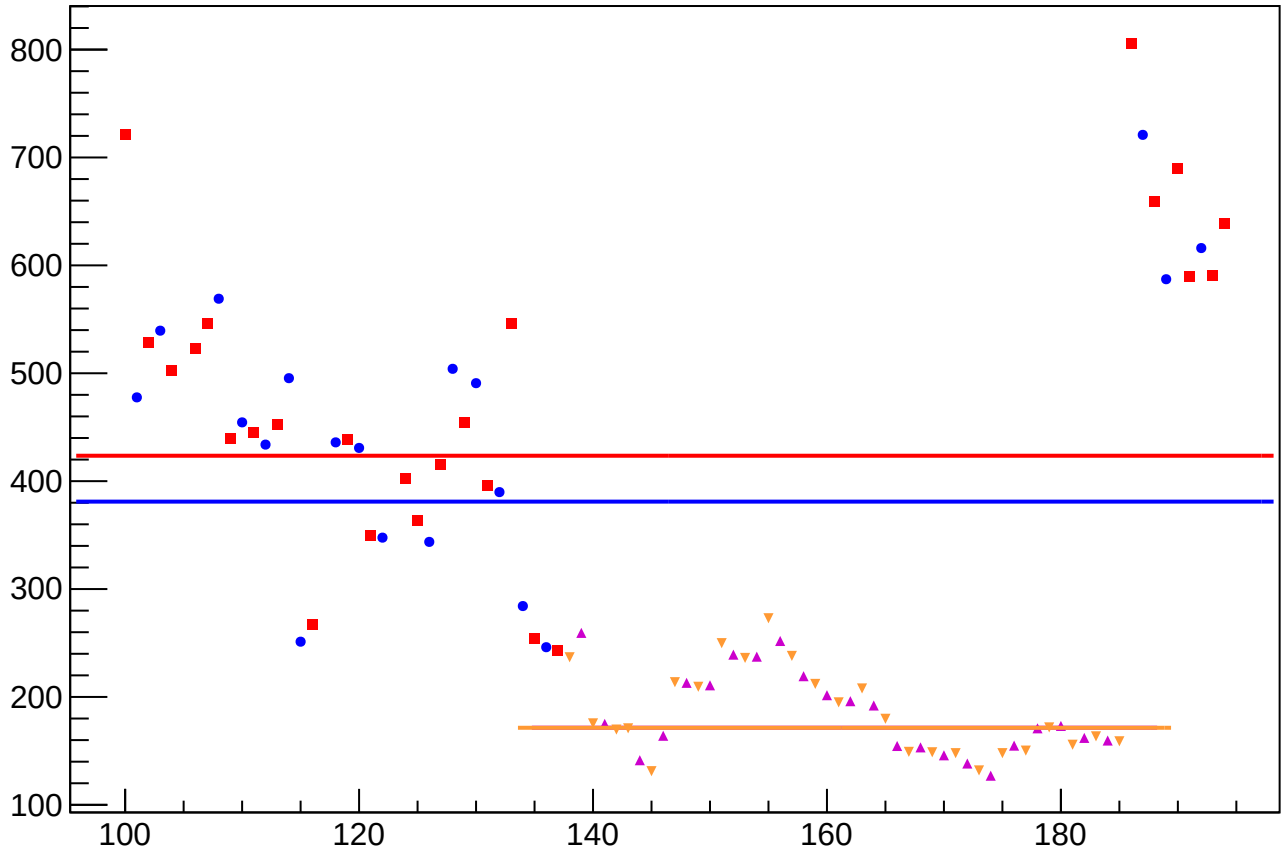
Right Out: 291.065+/-133.538 χ^2/NDF: 18.7/24

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 188.764+/-38.193 χ^2/NDF: 87.8/43

All: 123.181+/-27.346 χ^2/NDF: 142.4/91

- sign 54.193+/-39.172 χ^2/NDF: 48.6/47



Right In: 381.039+/-0.095 χ^2/NDF: 1628830.1/18

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

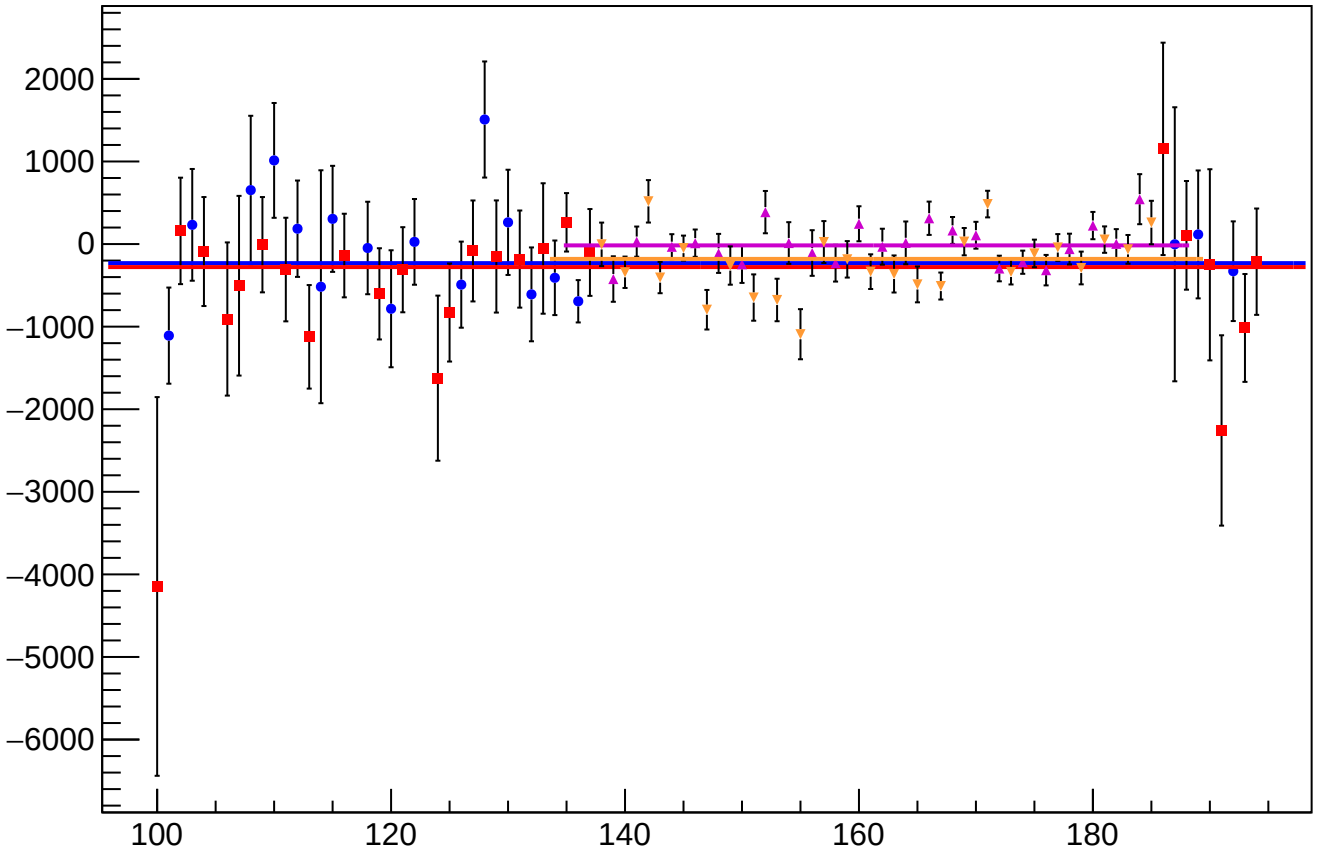
Right Out: 423.566+/-0.094 χ^2/NDF: 2014382.2/24

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 188.318+/-0.027 χ^2/NDF: 7619067.0/43

All: 190.688+/-0.019 χ^2/NDF: 17578490.3/91

- sign 193.180+/-0.028 χ^2/NDF: 9943626.1/47



Right In: -230.834+/-129.791 χ^2/NDF: 20.2/18

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -278.800+/-129.217 χ^2/NDF: 17.5/24

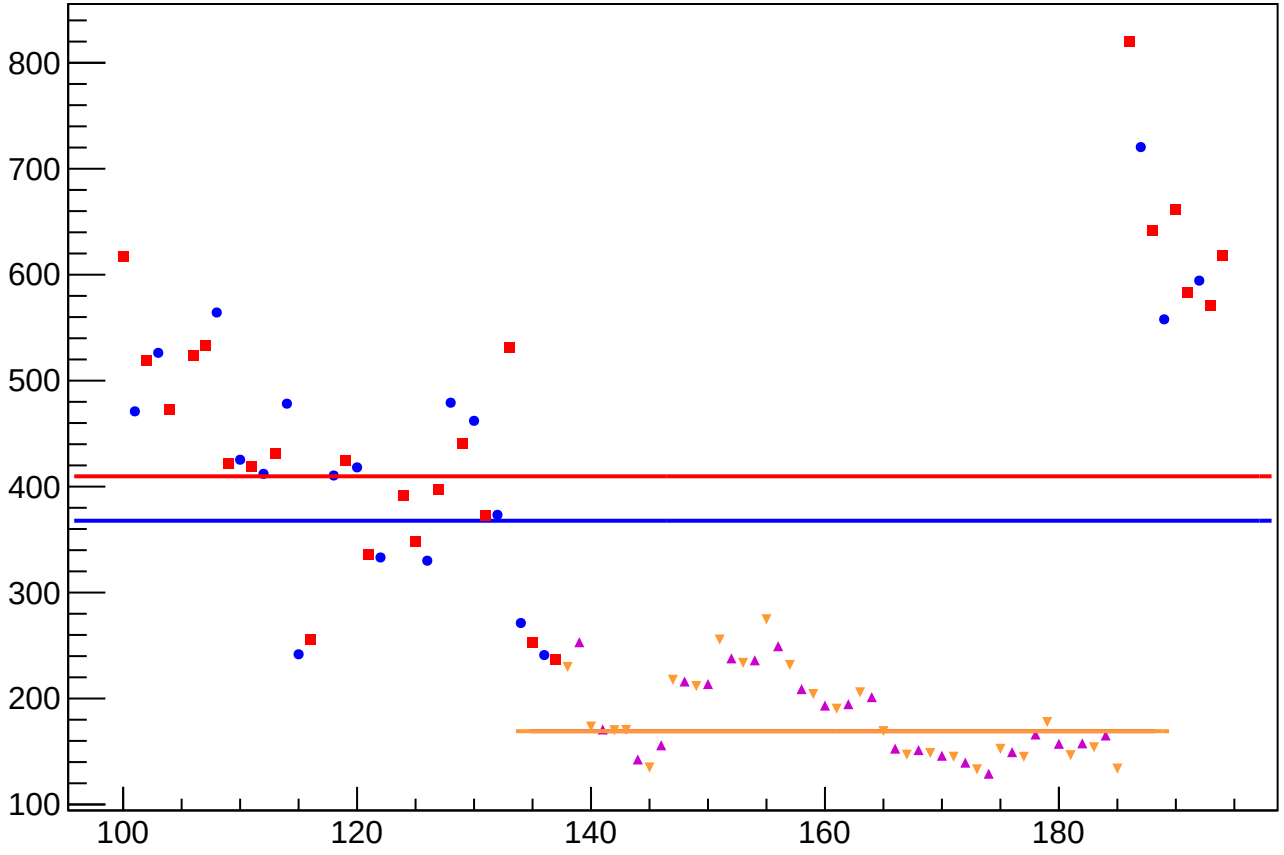
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -183.967+/-37.669 χ^2/NDF: 87.4/43

All: -113.389+/-26.944 χ^2/NDF: 142.5/91

- sign -39.450+/-38.556 χ^2/NDF: 47.9/47

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

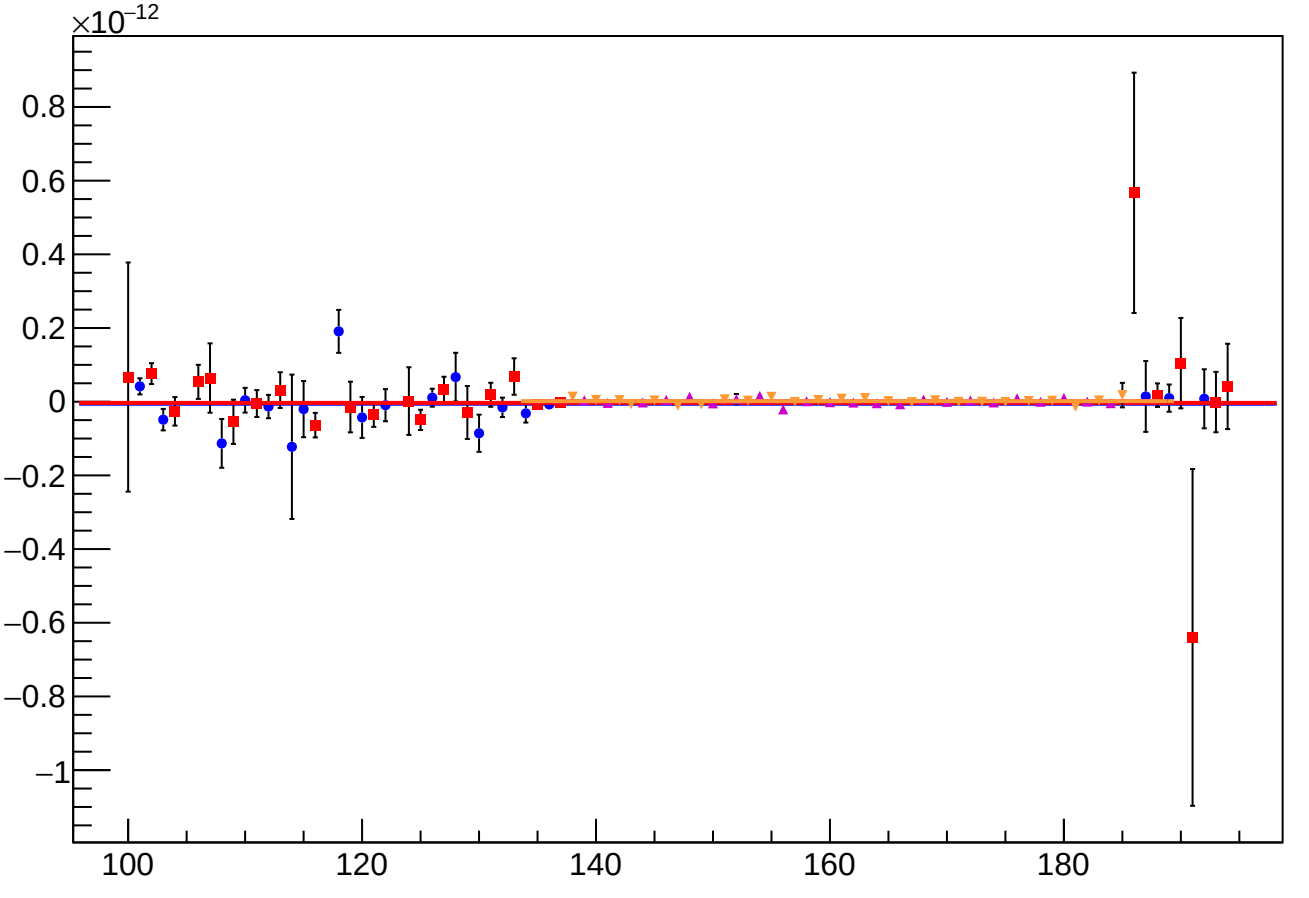
Right Out: 409.716+/-0.091 χ^2/NDF: 1997822.6/24

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 185.912+/-0.027 χ^2/NDF: 7428000.2/43

All: 188.202+/-0.019 χ^2/NDF: 17128337.7/91

- sign 190.602+/-0.027 χ^2/NDF: 9685197.5/47



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

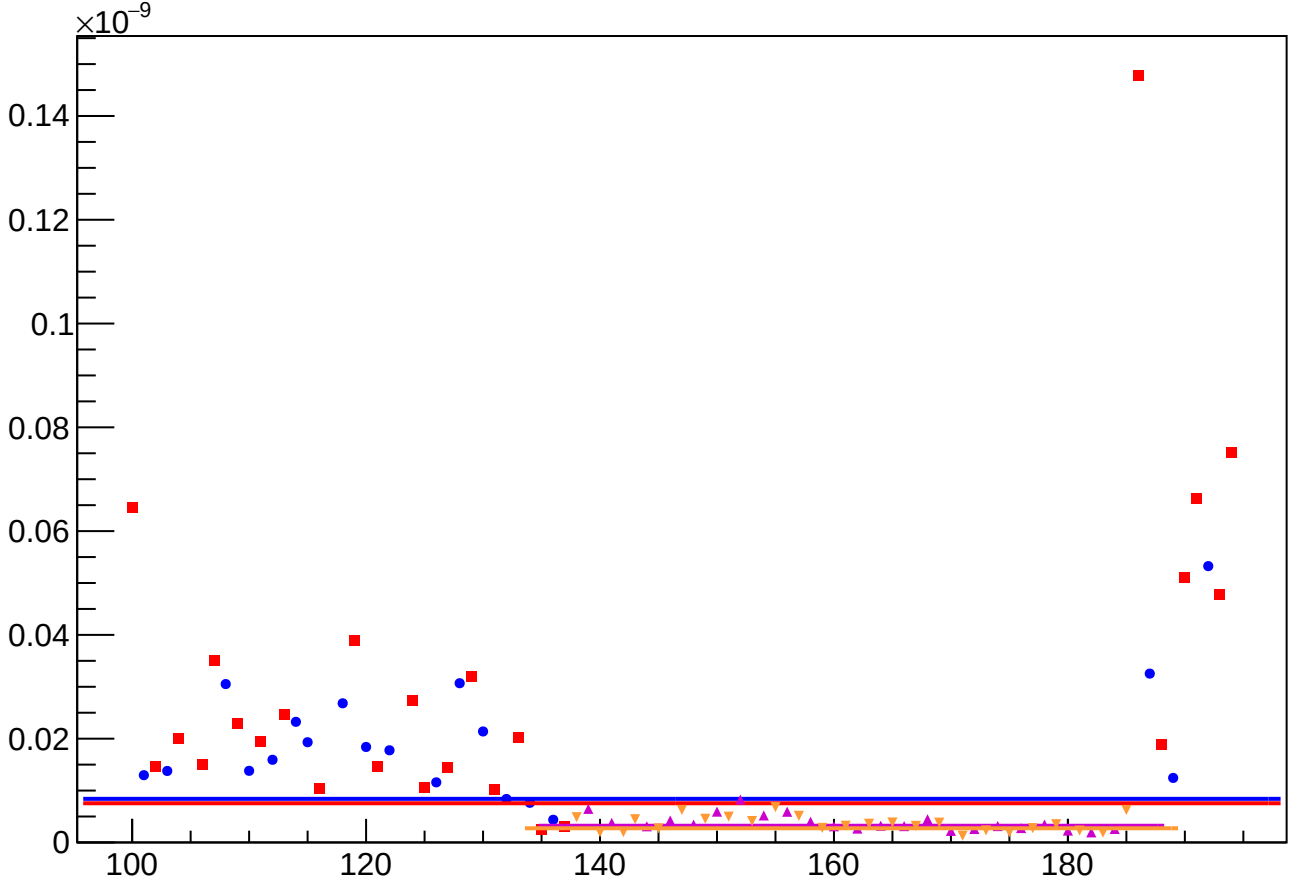
Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/24

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.8/43

All: 0.000+/-0.000 χ^2/NDF: 97.5/91

- sign 0.000+/-0.000 χ^2/NDF: 49.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 2736456.9/18

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

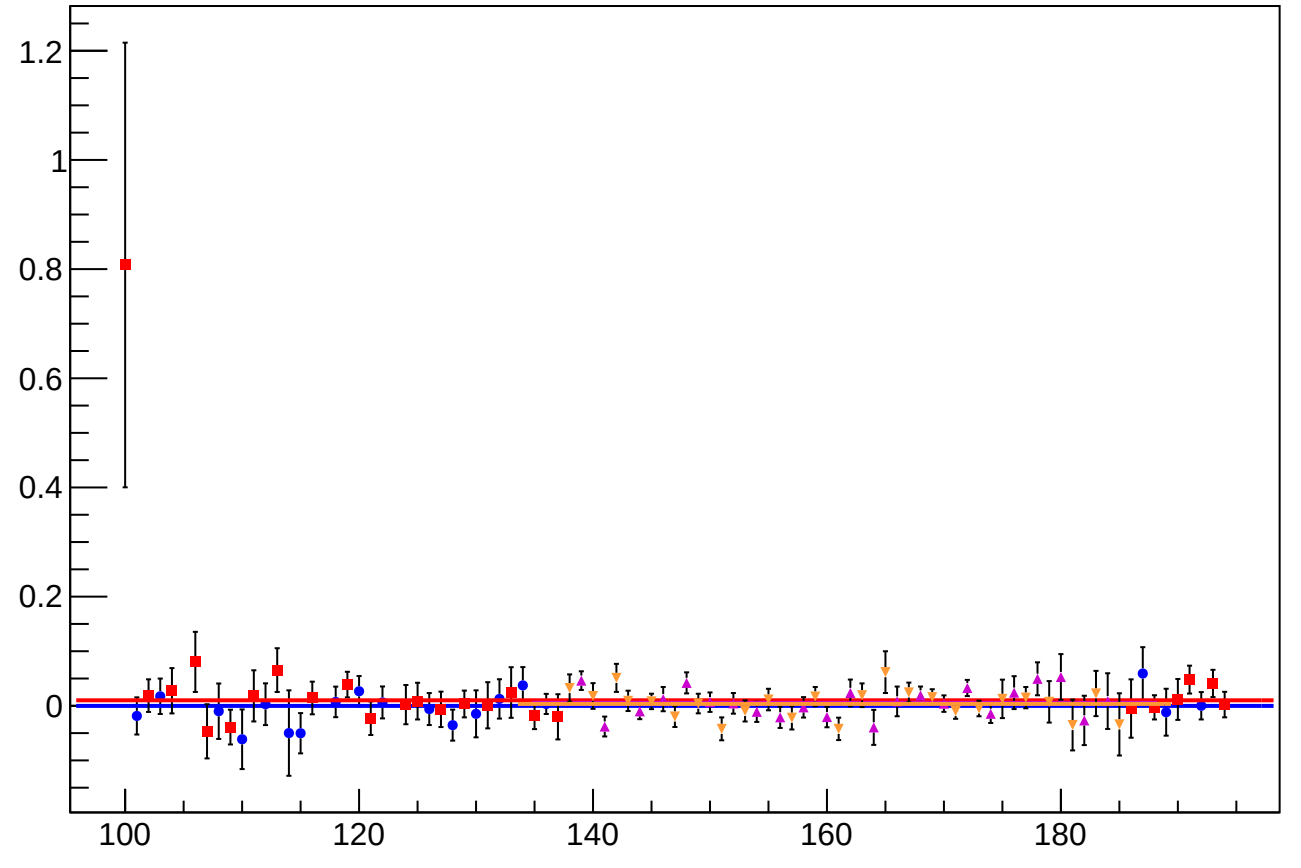
Right Out: 0.000+/-0.000 χ^2/NDF: 5491193.3/24

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6625391.4/43

All: 0.000+/-0.000 χ^2/NDF: 14829085.9/91

- sign 0.000+/-0.000 χ^2/NDF: 8039946.1/47



Right In: -0.000+/-0.007 χ^2/NDF: 9.9/18

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: 0.010+/-0.006 χ^2/NDF: 20.7/24

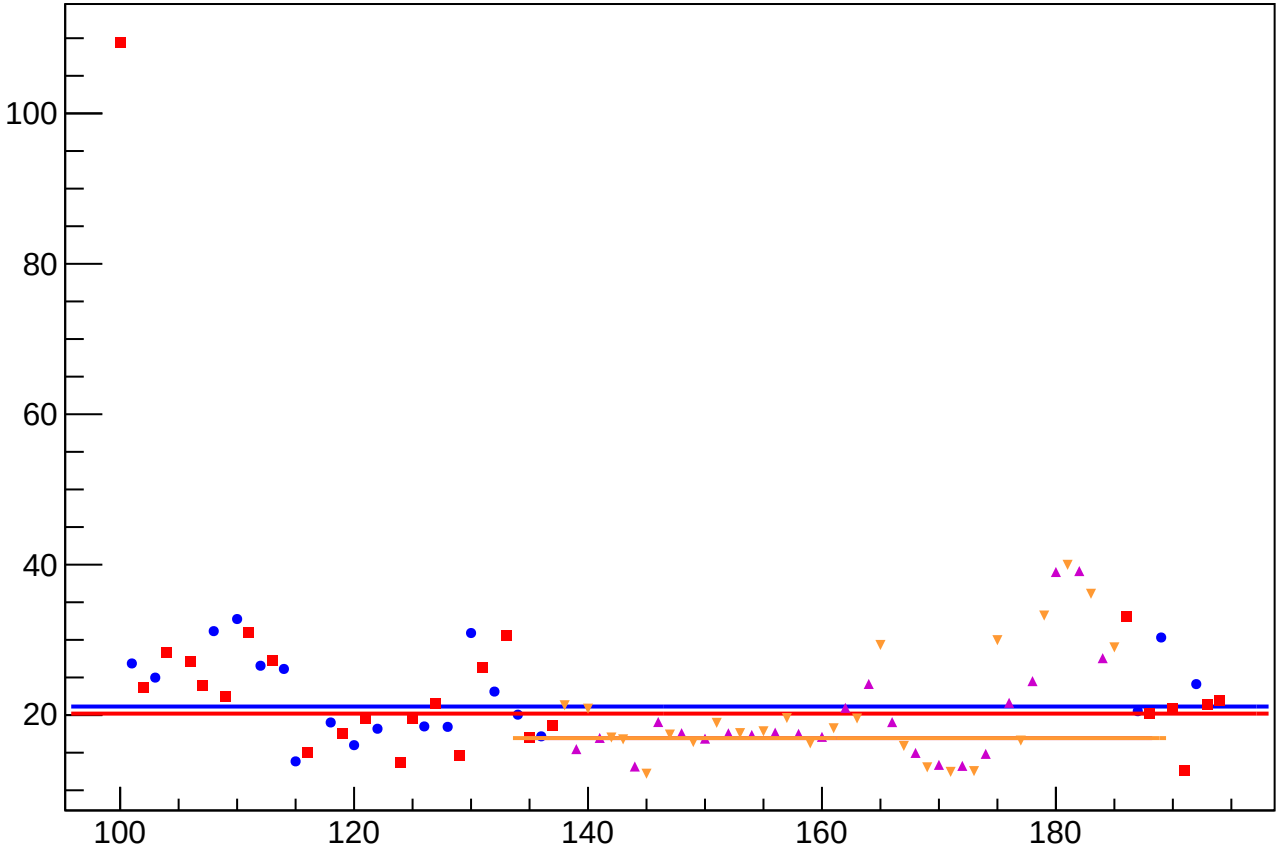
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 37.0/43

All: 0.005+/-0.003 χ^2/NDF: 92.0/91

- sign 0.007+/-0.004 χ^2/NDF: 54.3/47

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

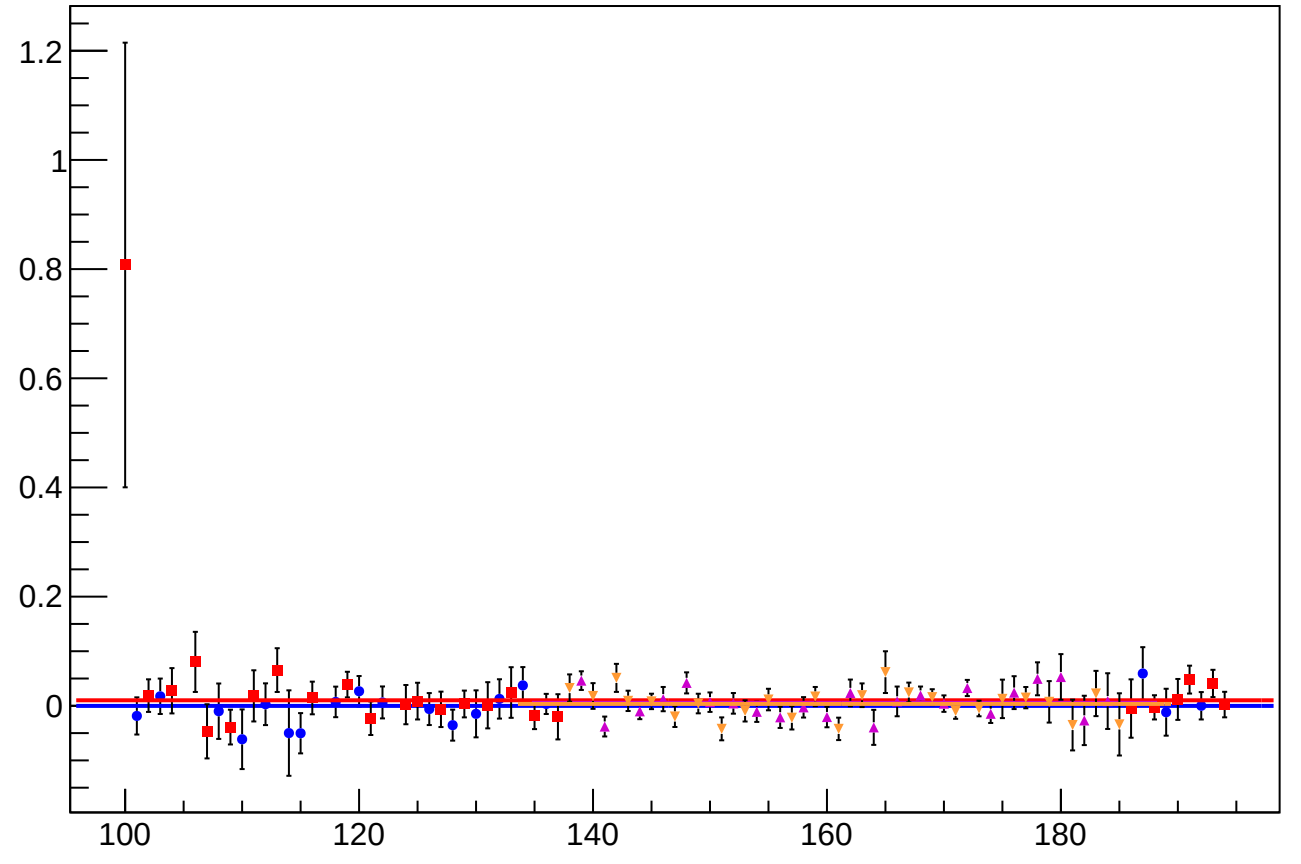
Right Out: 20.194+/-0.005 χ^2/NDF: 1176899.6/24

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.908+/-0.003 χ^2/NDF: 4160583.0/43

All: 17.910+/-0.002 χ^2/NDF: 7637828.6/91

- sign 17.911+/-0.002 χ^2/NDF: 3477244.9/47



Right In: -0.000+/-0.007 χ^2/NDF: 9.9/18

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

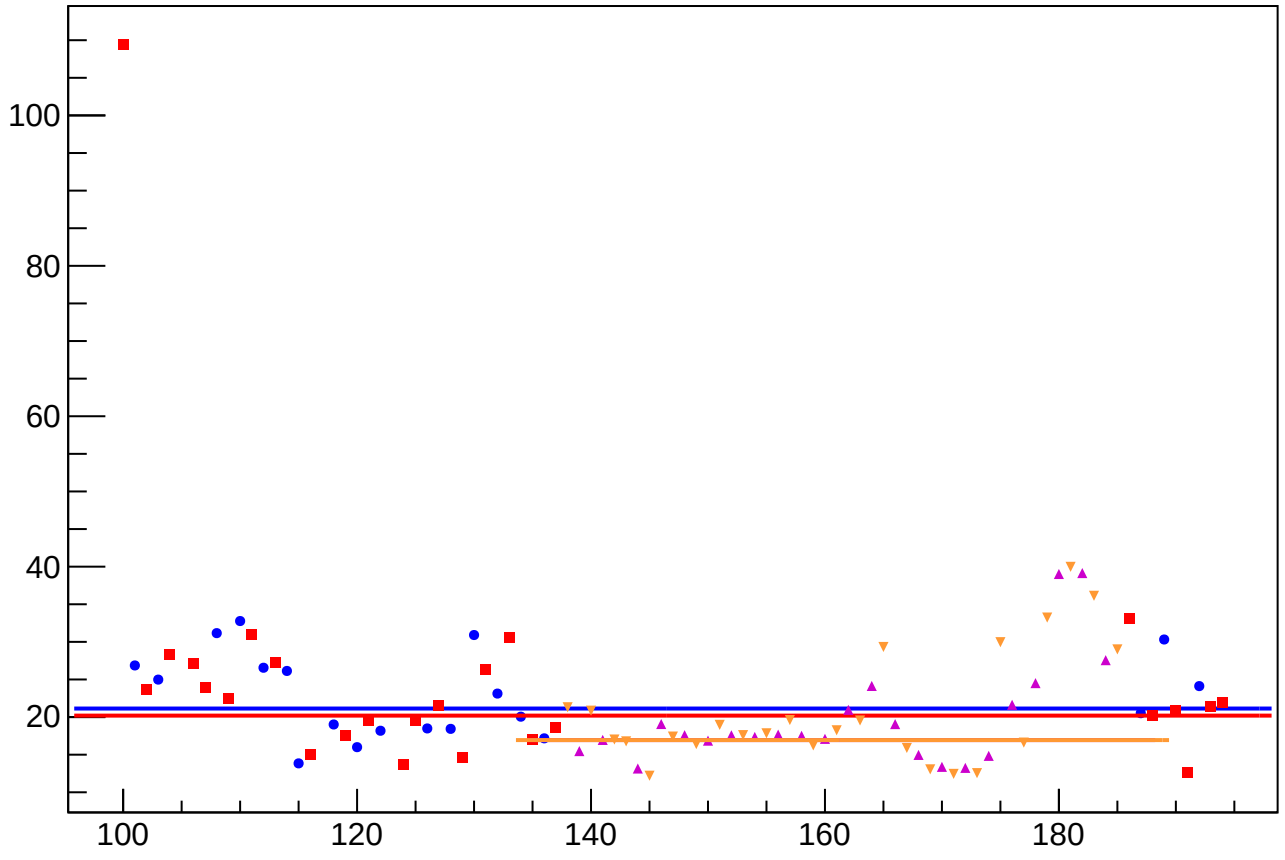
Right Out: 0.010+/-0.006 χ^2/NDF: 20.7/24

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 37.0/43

All: 0.005+/-0.003 χ^2/NDF: 92.0/91

- sign 0.007+/-0.004 χ^2/NDF: 54.3/47



Right In: 21.136+/-0.005 χ^2/NDF: 837481.6/18

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

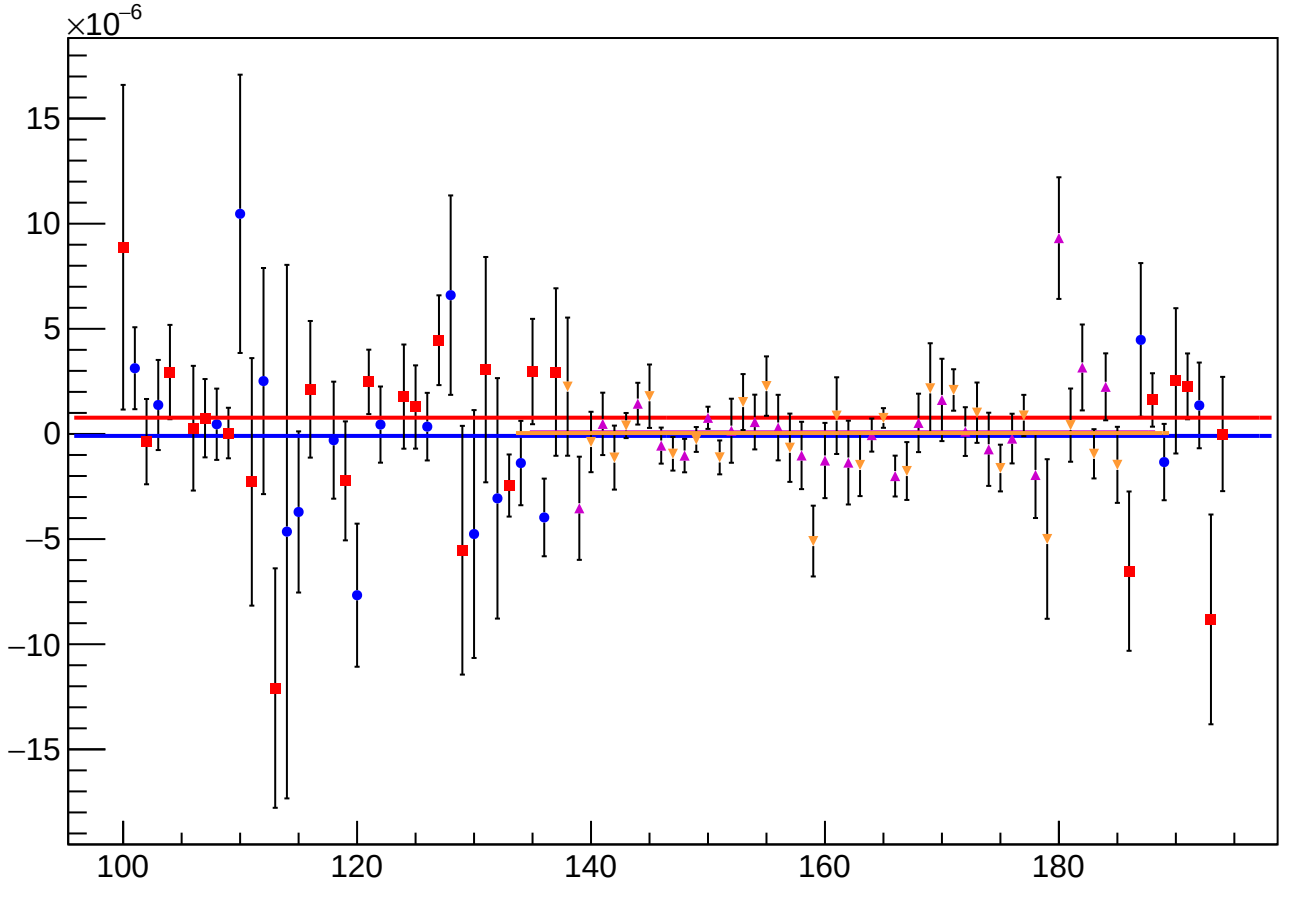
Right Out: 20.194+/-0.005 χ^2/NDF: 1176899.6/24

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.908+/-0.003 χ^2/NDF: 4160583.0/43

All: 17.910+/-0.002 χ^2/NDF: 7637828.6/91

- sign 17.911+/-0.002 χ^2/NDF: 3477244.9/47



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/18

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

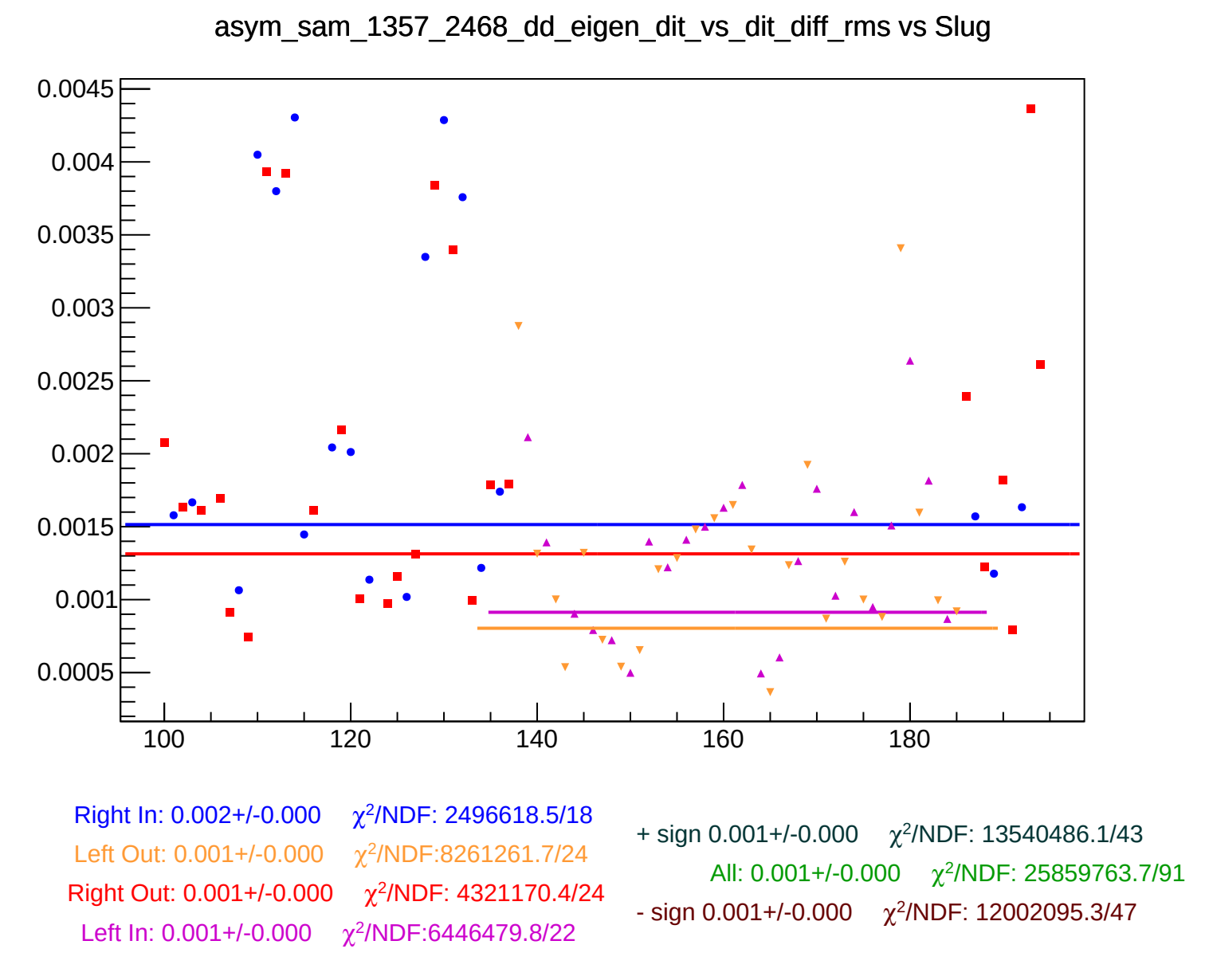
Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/24

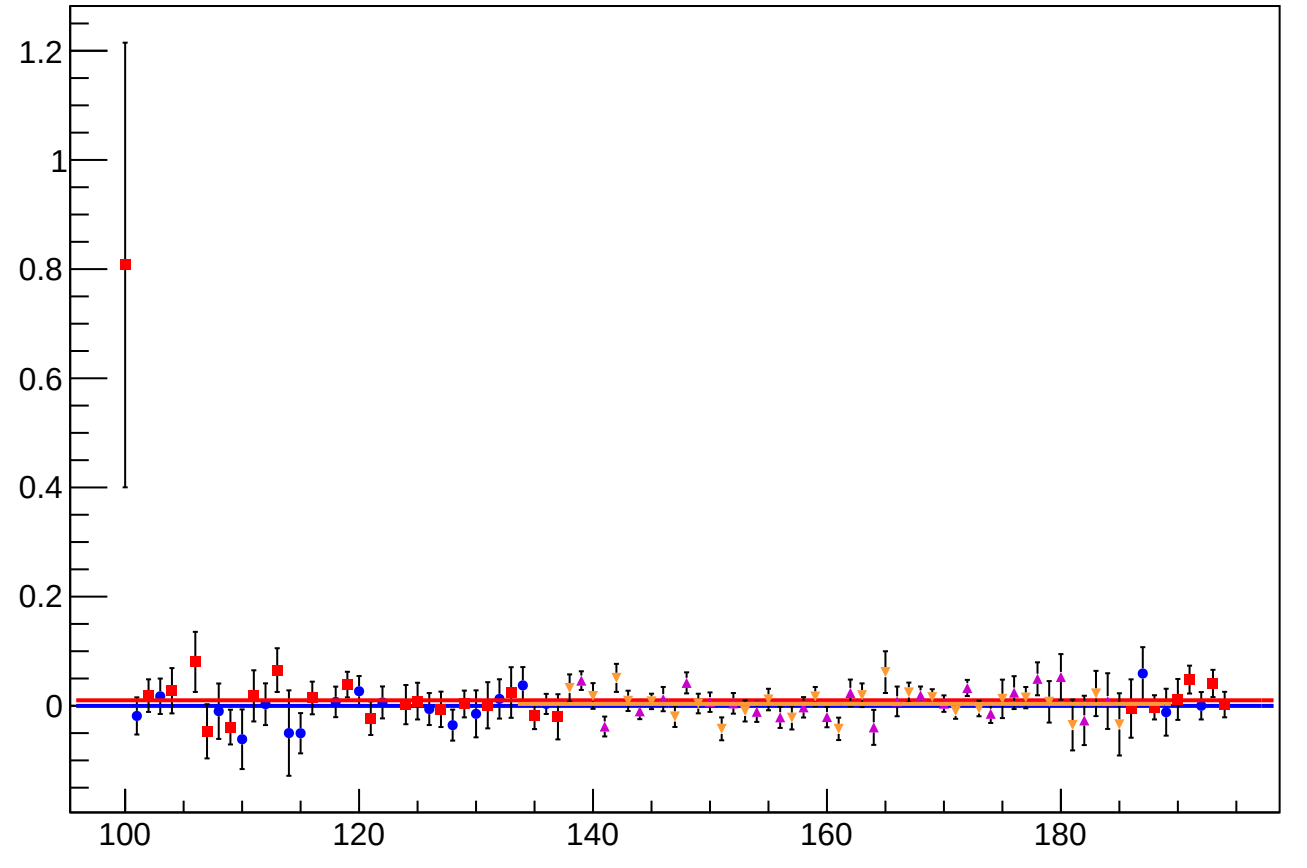
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.7/43

All: 0.000+/-0.000 χ^2/NDF: 123.2/91

- sign 0.000+/-0.000 χ^2/NDF: 62.9/47


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: 4321170.4/24
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: 25859763.7/91
- sign 0.001+/-0.000 χ²/NDF: 12002095.3/47



Right In: -0.000+/-0.007 χ^2/NDF: 9.9/18

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

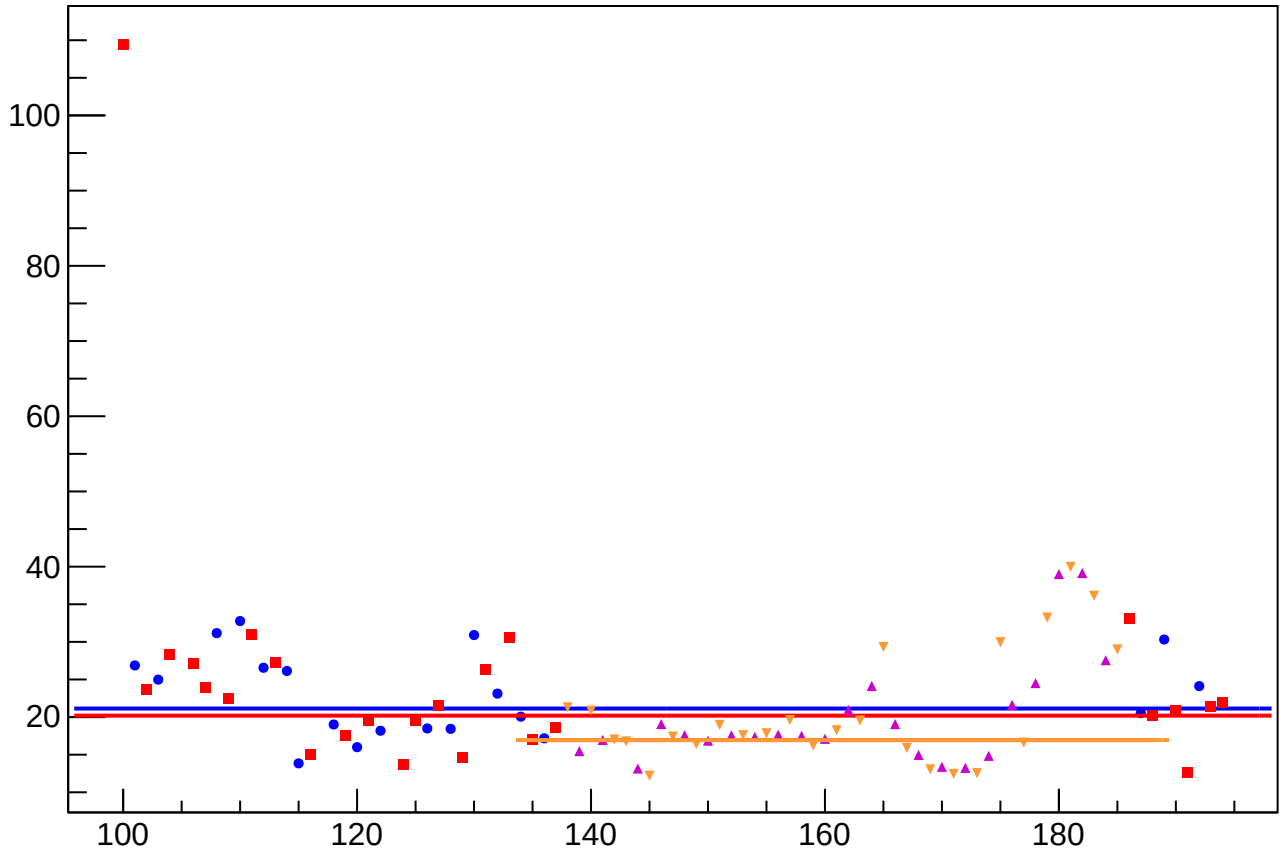
Right Out: 0.010+/-0.006 χ^2/NDF: 20.7/24

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 37.0/43

All: 0.005+/-0.003 χ^2/NDF: 92.0/91

- sign 0.007+/-0.004 χ^2/NDF: 54.3/47



Right In: 21.135+/-0.005 χ^2/NDF: 837381.2/18

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

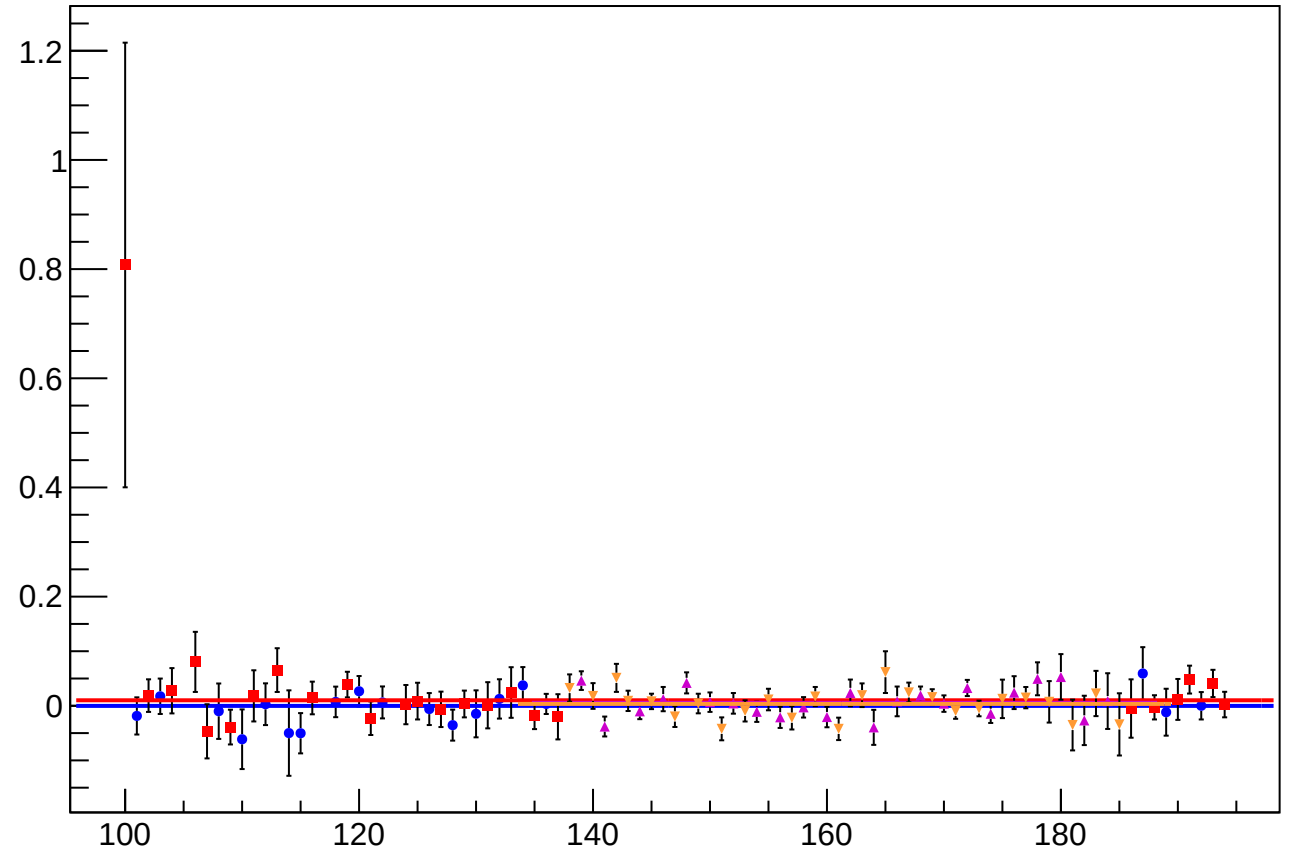
Right Out: 20.194+/-0.005 χ^2/NDF: 1176897.1/24

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.908+/-0.003 χ^2/NDF: 4160320.4/43

All: 17.910+/-0.002 χ^2/NDF: 7637439.9/91

- sign 17.911+/-0.002 χ^2/NDF: 3477118.8/47



Right In: -0.000+/-0.007 χ^2/NDF: 9.9/18

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

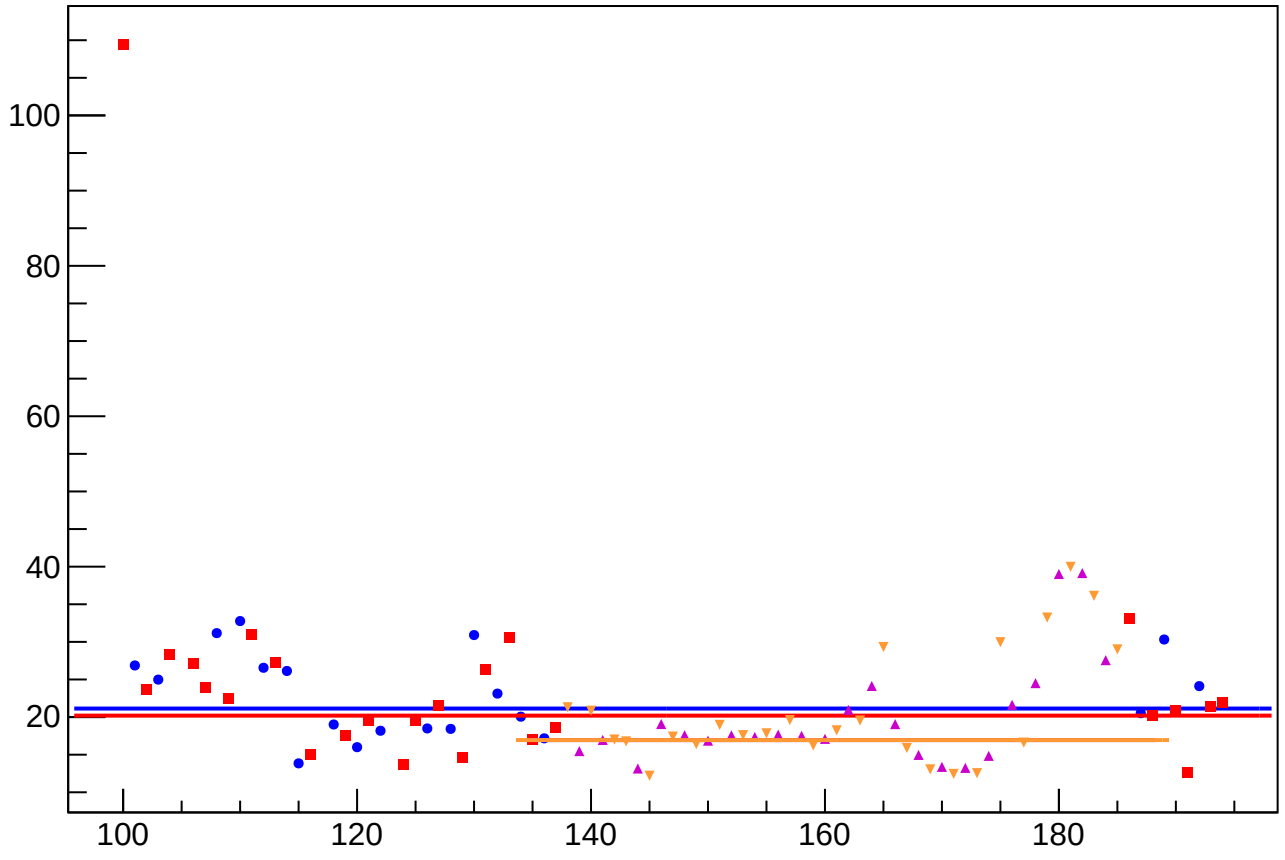
Right Out: 0.010+/-0.006 χ^2/NDF: 20.7/24

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 37.0/43

All: 0.005+/-0.003 χ^2/NDF: 92.0/91

- sign 0.007+/-0.004 χ^2/NDF: 54.3/47



Right In: 21.135+/-0.005 χ^2/NDF: 837381.2/18

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

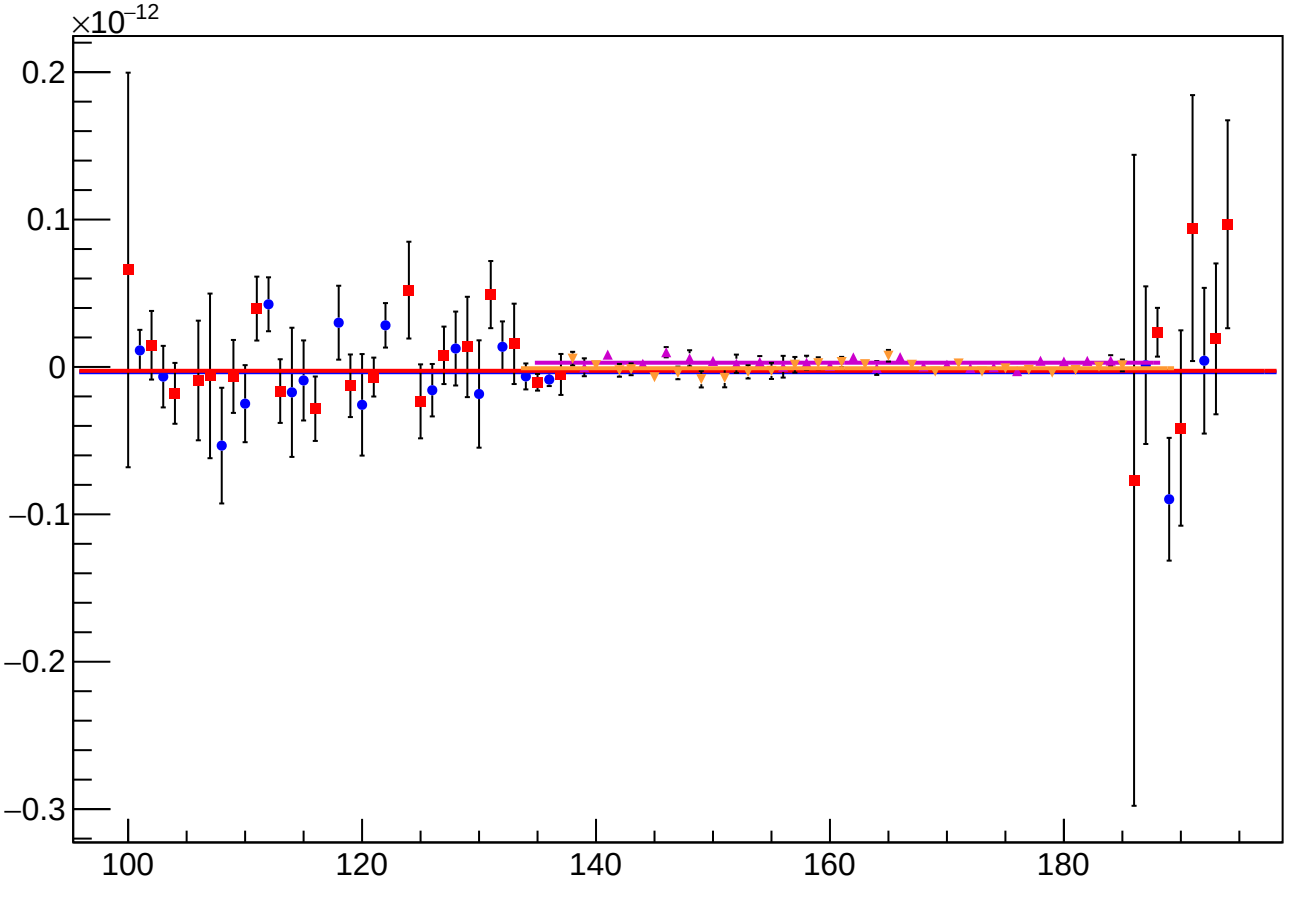
Right Out: 20.194+/-0.005 χ^2/NDF: 1176897.1/24

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.908+/-0.003 χ^2/NDF: 4160320.4/43

All: 17.910+/-0.002 χ^2/NDF: 7637439.9/91

- sign 17.911+/-0.002 χ^2/NDF: 3477118.8/47



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/18

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

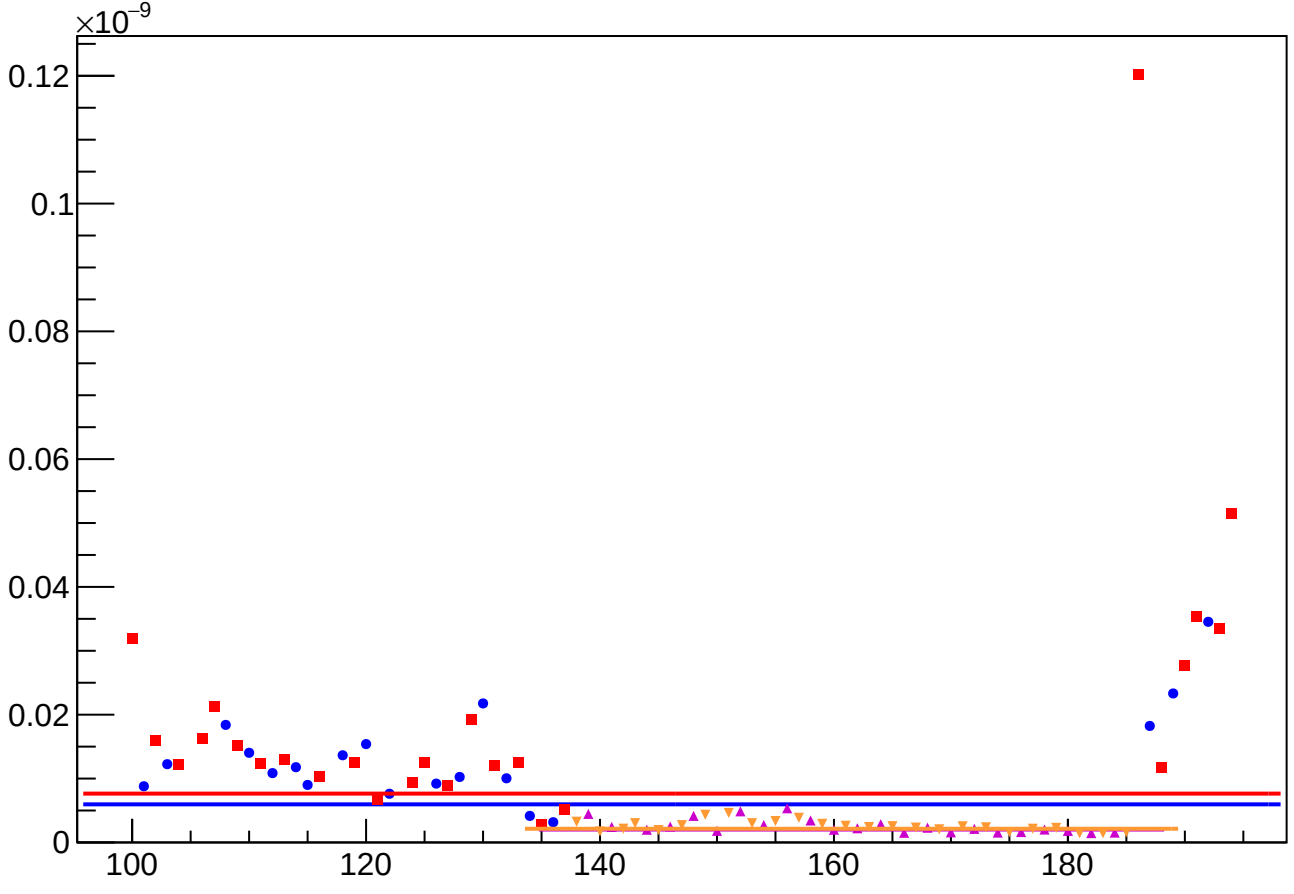
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/24

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.6/43

All: 0.000+/-0.000 χ^2/NDF: 116.2/91

- sign 0.000+/-0.000 χ^2/NDF: 50.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 3841283.2/18

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5463278.1/24

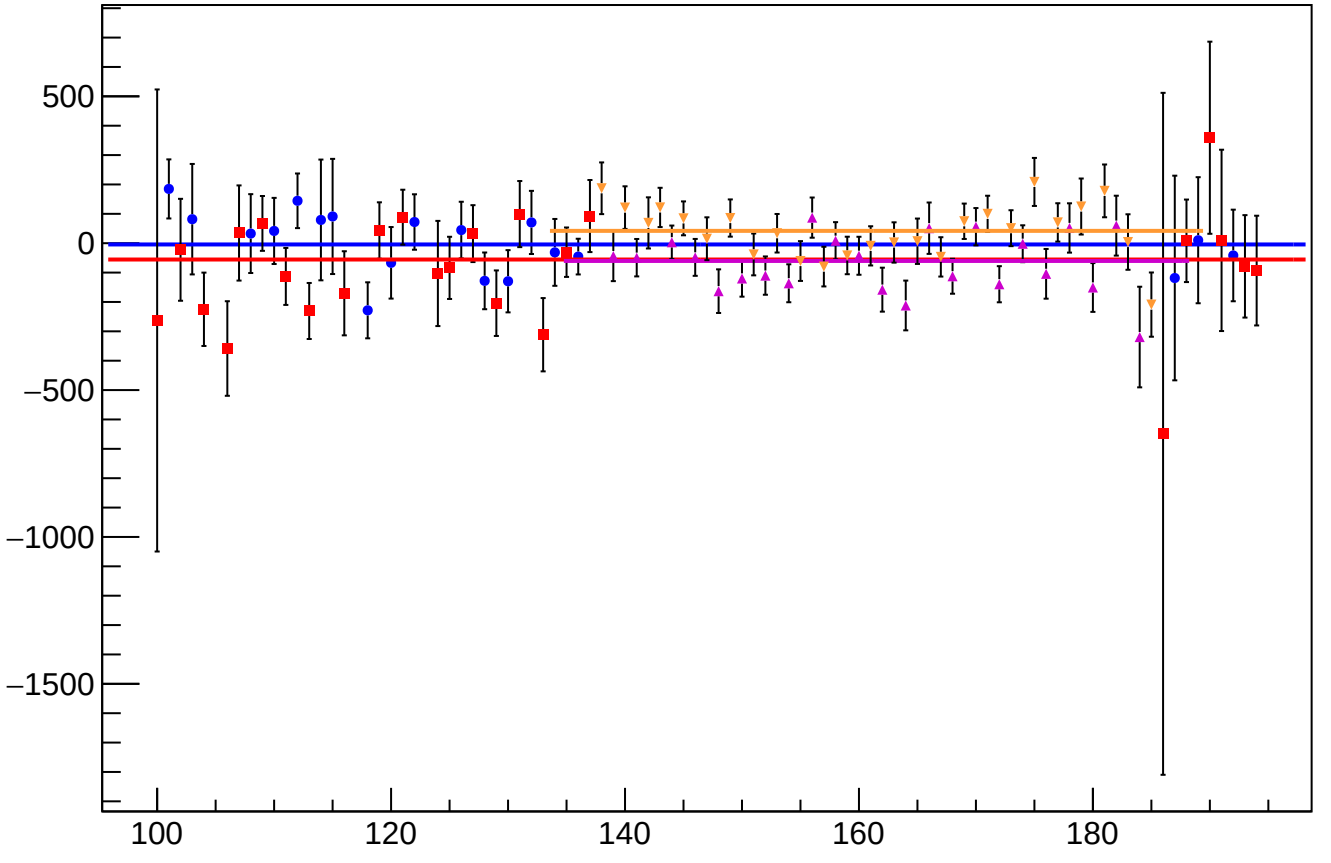
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8711456.3/43

All: 0.000+/-0.000 χ^2/NDF: 20979215.9/91

- sign 0.000+/-0.000 χ^2/NDF: 12236887.7/47

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: -55.520+/-25.241 χ^2/NDF: 27.9/24

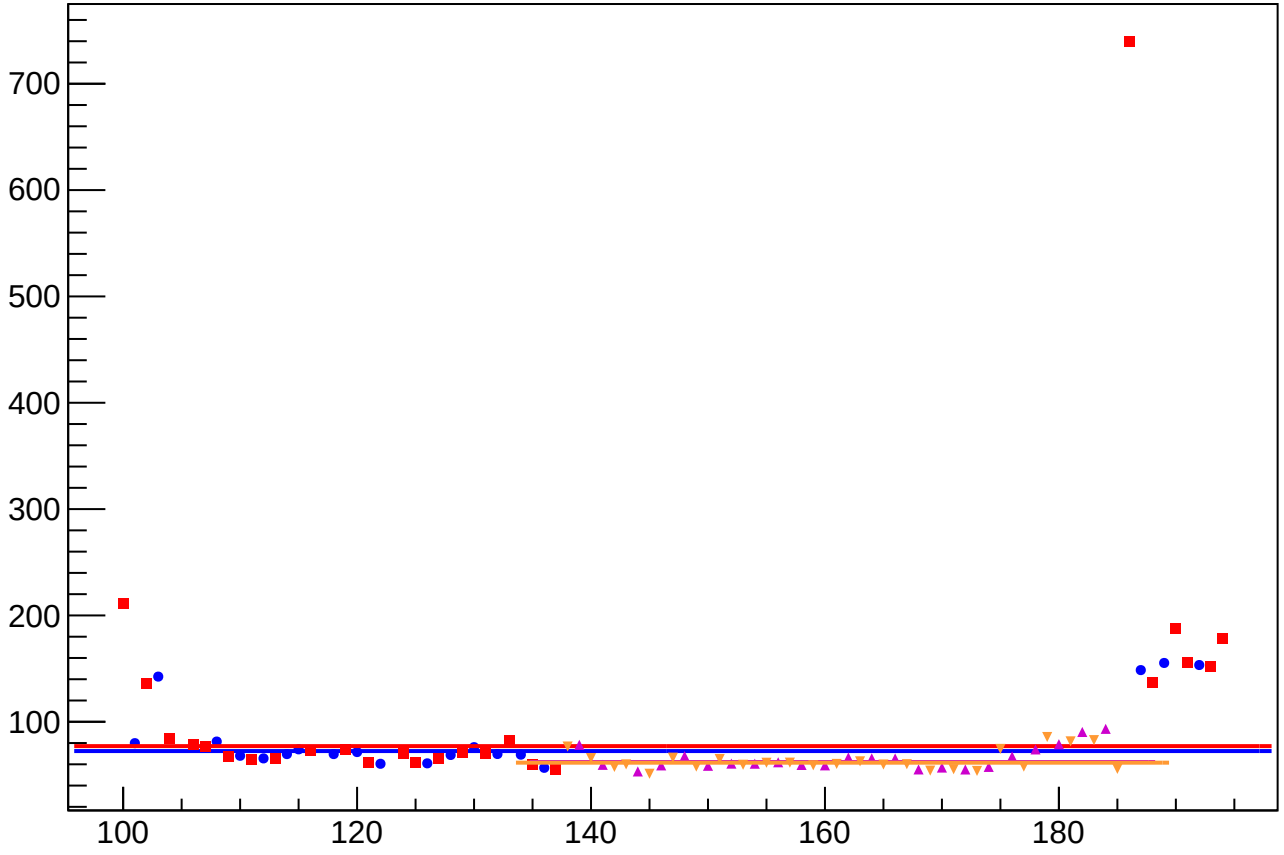
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.145+/-12.404 χ^2/NDF: 52.4/43

All: -12.896+/-8.878 χ^2/NDF: 138.4/91

- sign -59.145+/-12.712 χ^2/NDF: 60.1/47

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: 77.101+/-0.018 χ^2/NDF: 3010898.4/24

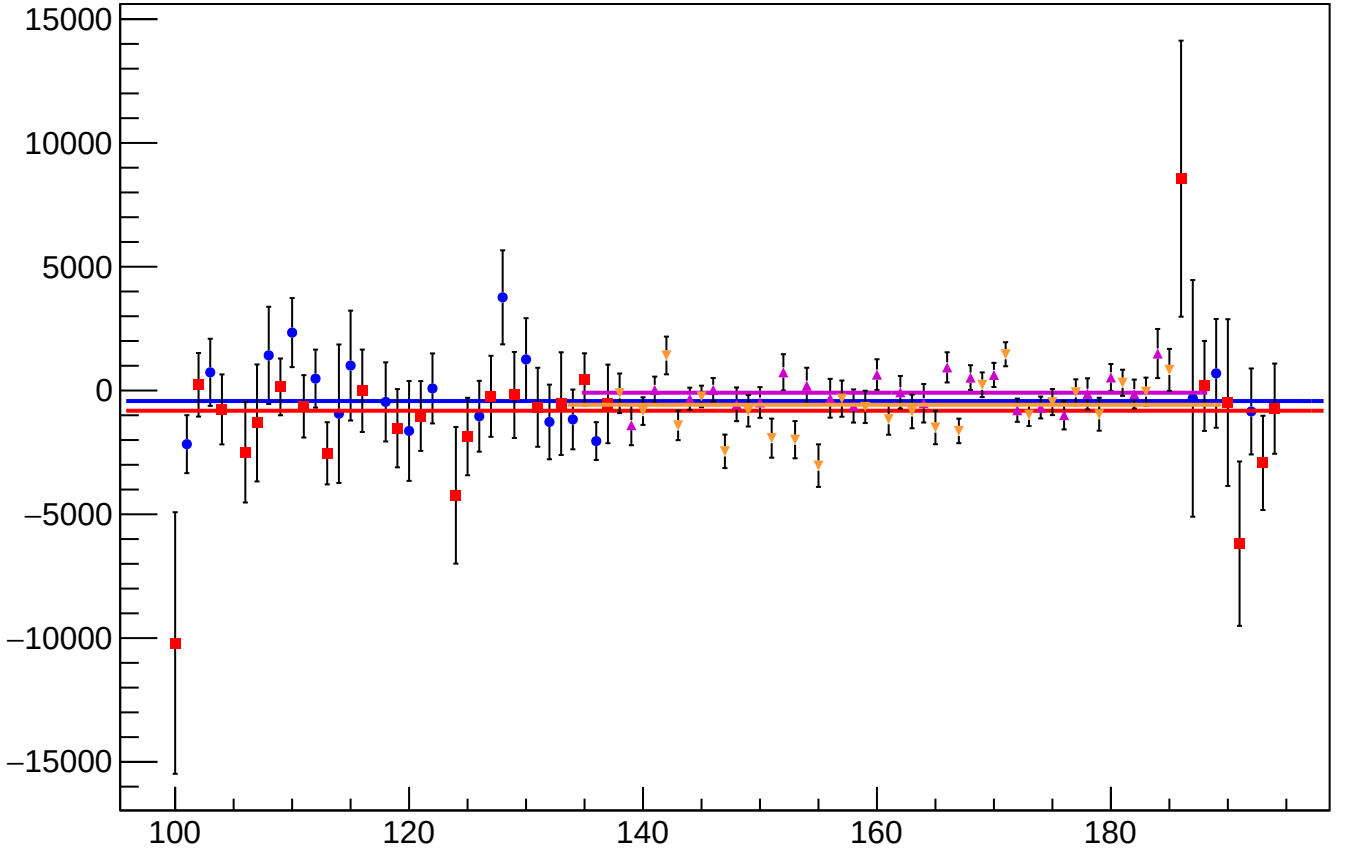
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.106+/-0.009 χ^2/NDF: 2365855.6/43

All: 65.000+/-0.006 χ^2/NDF: 6518884.5/91

- sign 65.938+/-0.009 χ^2/NDF: 4131768.3/47

asym_sam_12345678_avg_reg_correction_mean vs Slug



Right In: -425.642+/-337.135 χ^2/NDF: 20.9/18

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

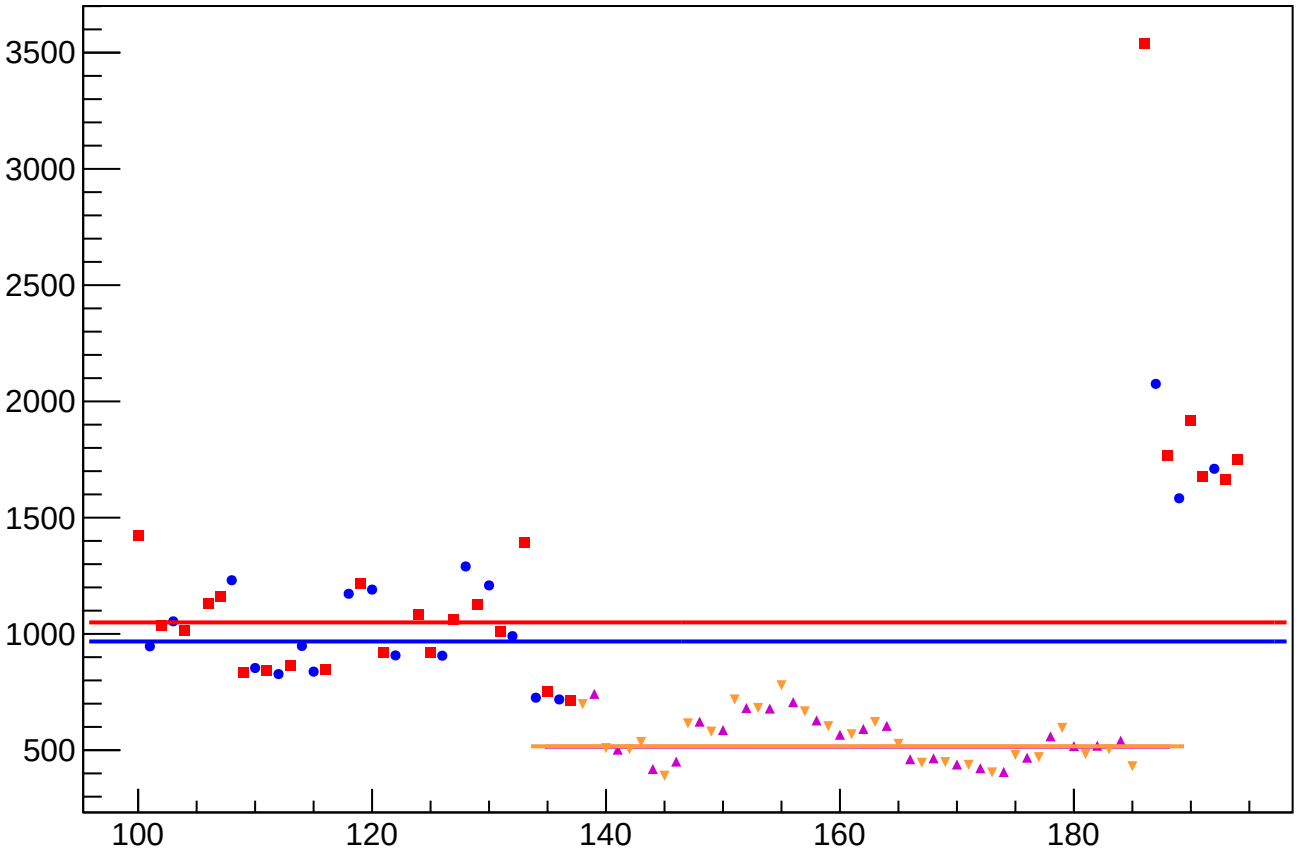
Right Out: -816.377+/-331.243 χ^2/NDF: 18.3/24

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -558.109+/-112.831 χ^2/NDF: 89.8/43

All: -370.465+/-80.501 χ^2/NDF: 142.6/91

- sign -175.916+/-114.889 χ^2/NDF: 47.2/47



Right In: 967.565+/-0.238 χ^2/NDF: 1182786.2/18

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1049.519+/-0.234 χ^2/NDF: 2001672.8/24

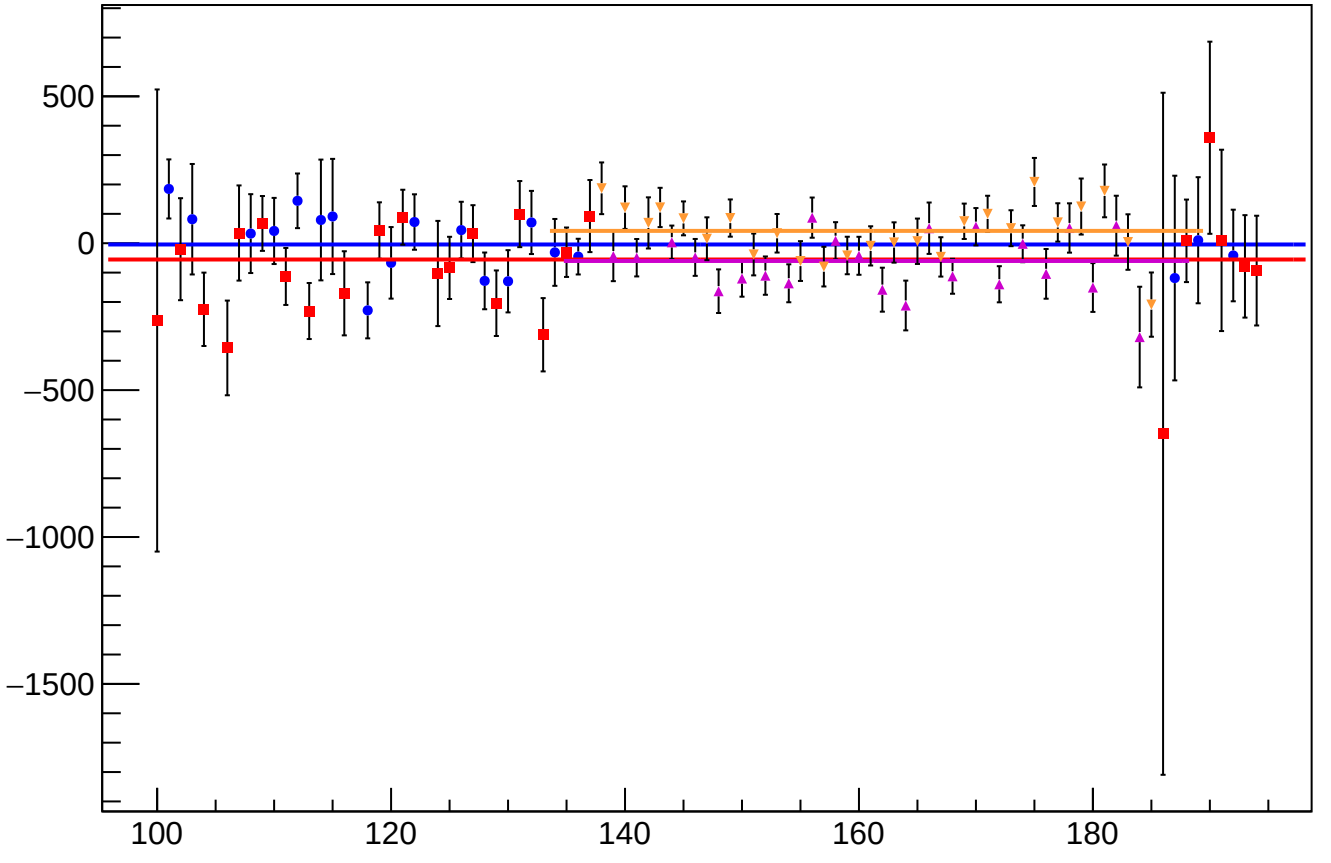
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 567.143+/-0.080 χ^2/NDF: 5625173.1/43

All: 573.018+/-0.057 χ^2/NDF: 13343468.5/91

- sign 579.109+/-0.081 χ^2/NDF: 7707252.2/47

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: -55.406+/-25.242 χ^2/NDF: 27.9/24

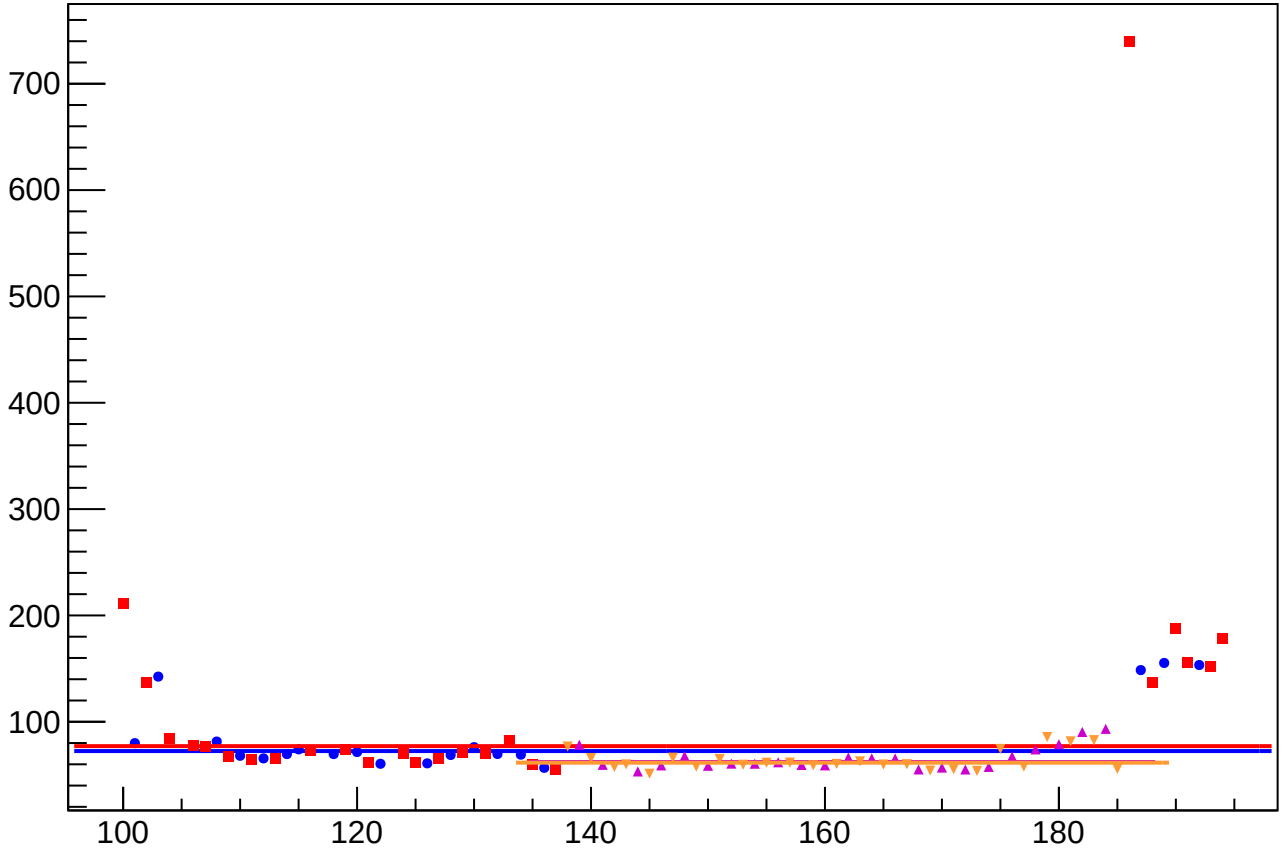
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.147+/-12.404 χ^2/NDF: 52.4/43

All: -12.880+/-8.878 χ^2/NDF: 138.3/91

- sign -59.116+/-12.712 χ^2/NDF: 60.1/47

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

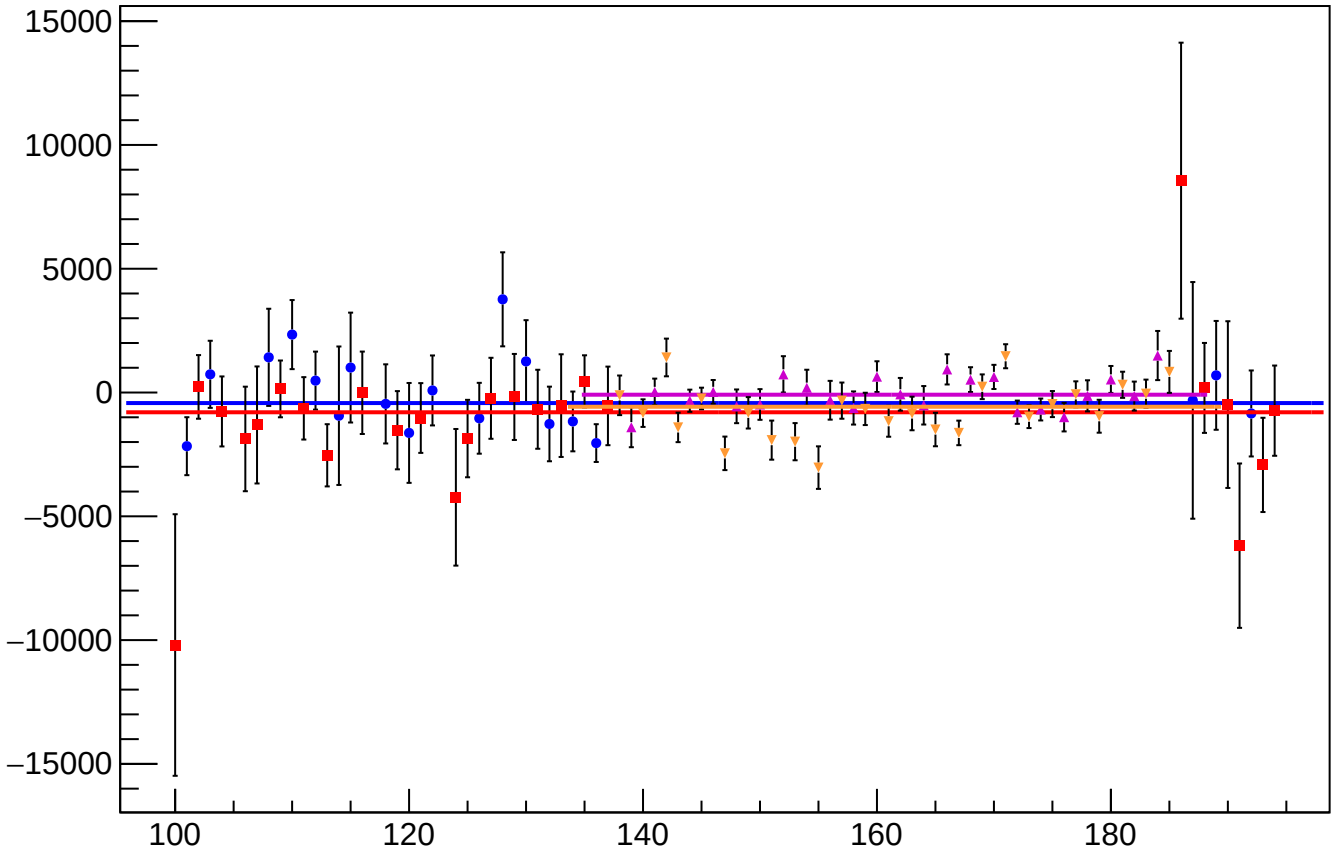
Right Out: 77.084+/-0.018 χ^2/NDF: 3011098.5/24

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.106+/-0.009 χ^2/NDF: 2365858.6/43

All: 64.997+/-0.006 χ^2/NDF: 6517757.4/91

- sign 65.933+/-0.009 χ^2/NDF: 4130743.6/47



Right In: -425.614+/-337.137 χ^2/NDF: 20.9/18

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: -798.048+/-331.603 χ^2/NDF: 17.9/24

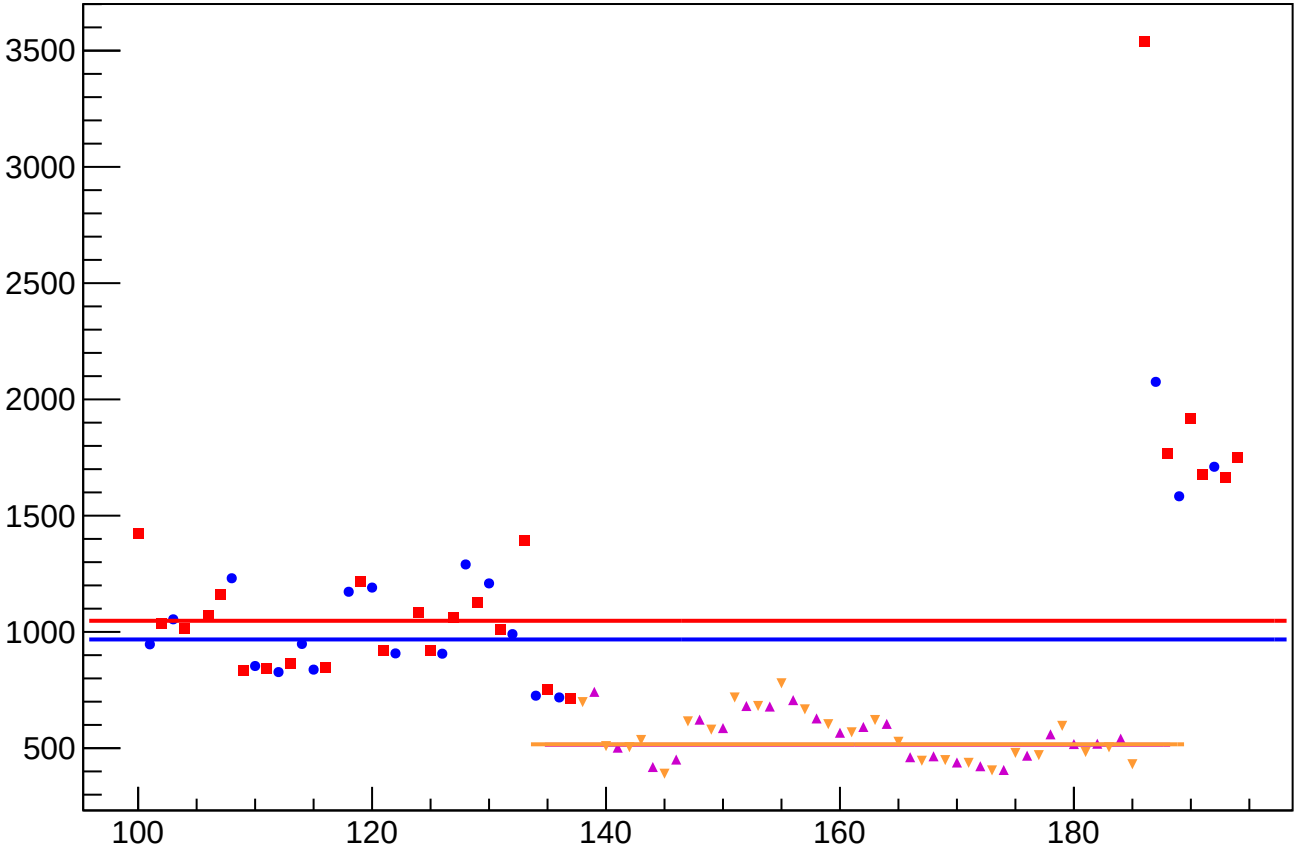
Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

\+ sign -558.100+/-112.831 χ^2/NDF: 89.8/43

All: -369.323+/-80.506 χ^2/NDF: 142.0/91

\- sign -173.548+/-114.904 χ^2/NDF: 46.5/47

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 967.569+/-0.238 χ^2/NDF: 1182803.0/18

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1047.853+/-0.234 χ^2/NDF: 1998457.6/24

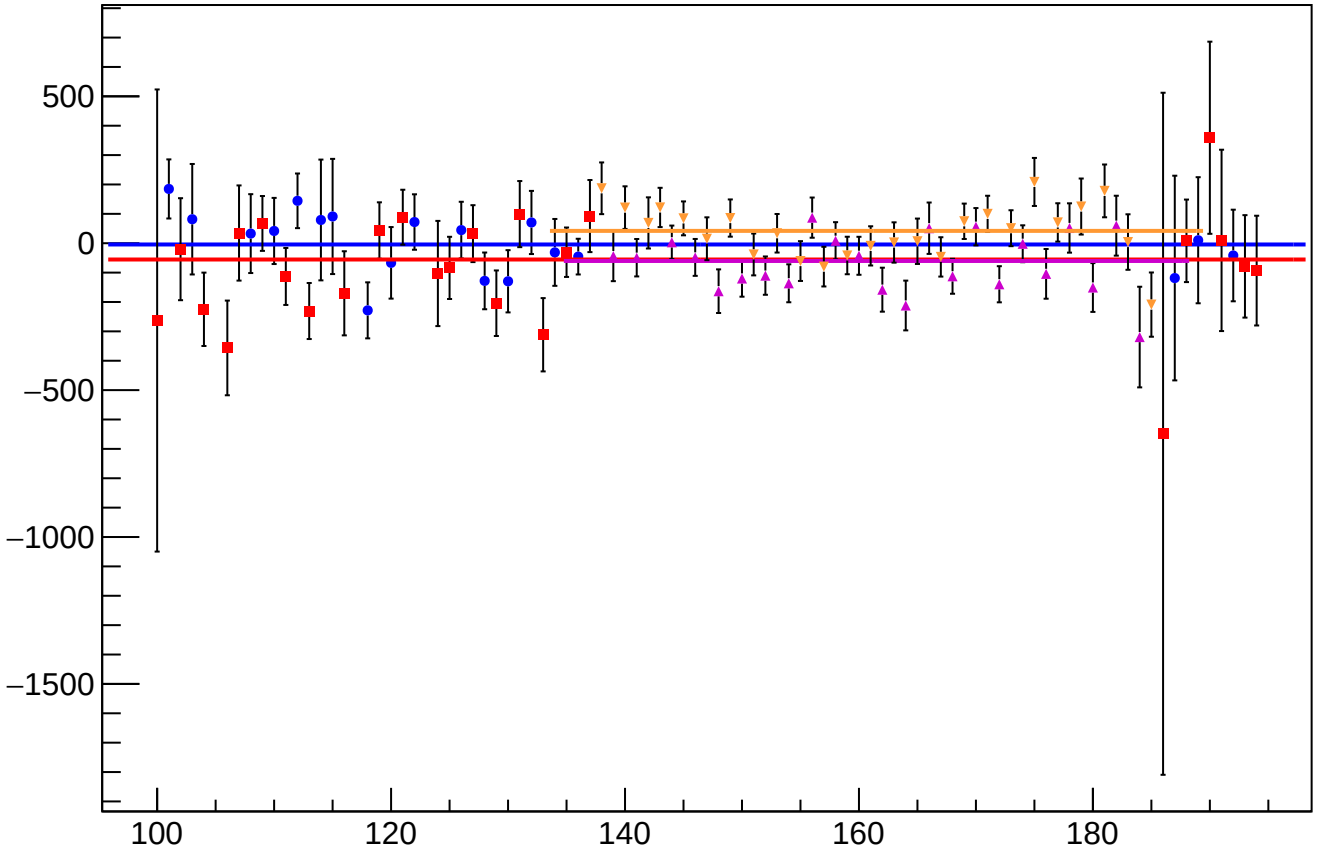
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 567.143+/-0.080 χ^2/NDF: 5625223.7/43

All: 572.859+/-0.057 χ^2/NDF: 13302495.5/91

- sign 578.786+/-0.081 χ^2/NDF: 7666817.3/47

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: -55.406+/-25.242 χ^2/NDF: 27.9/24

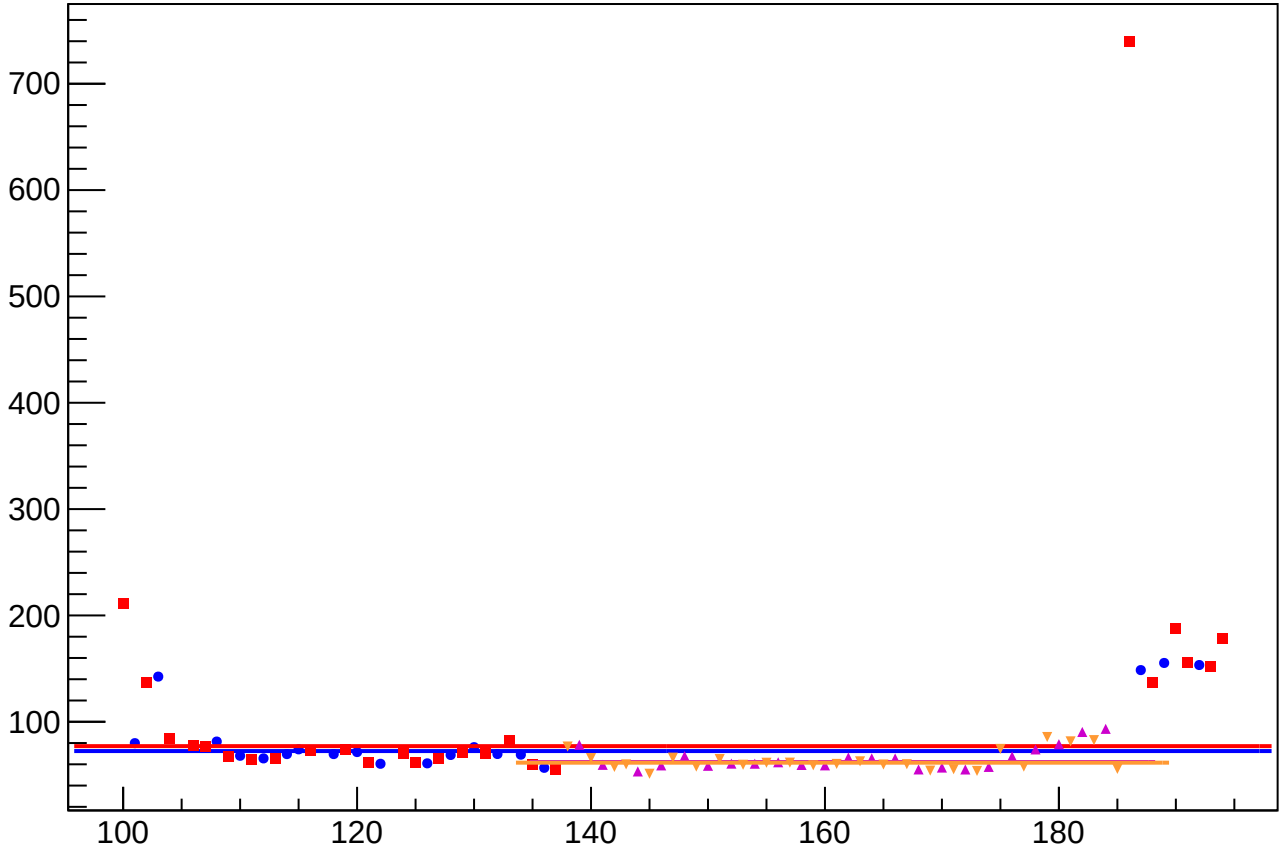
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.147+/-12.404 χ^2/NDF: 52.4/43

All: -12.880+/-8.878 χ^2/NDF: 138.3/91

- sign -59.116+/-12.712 χ^2/NDF: 60.1/47

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

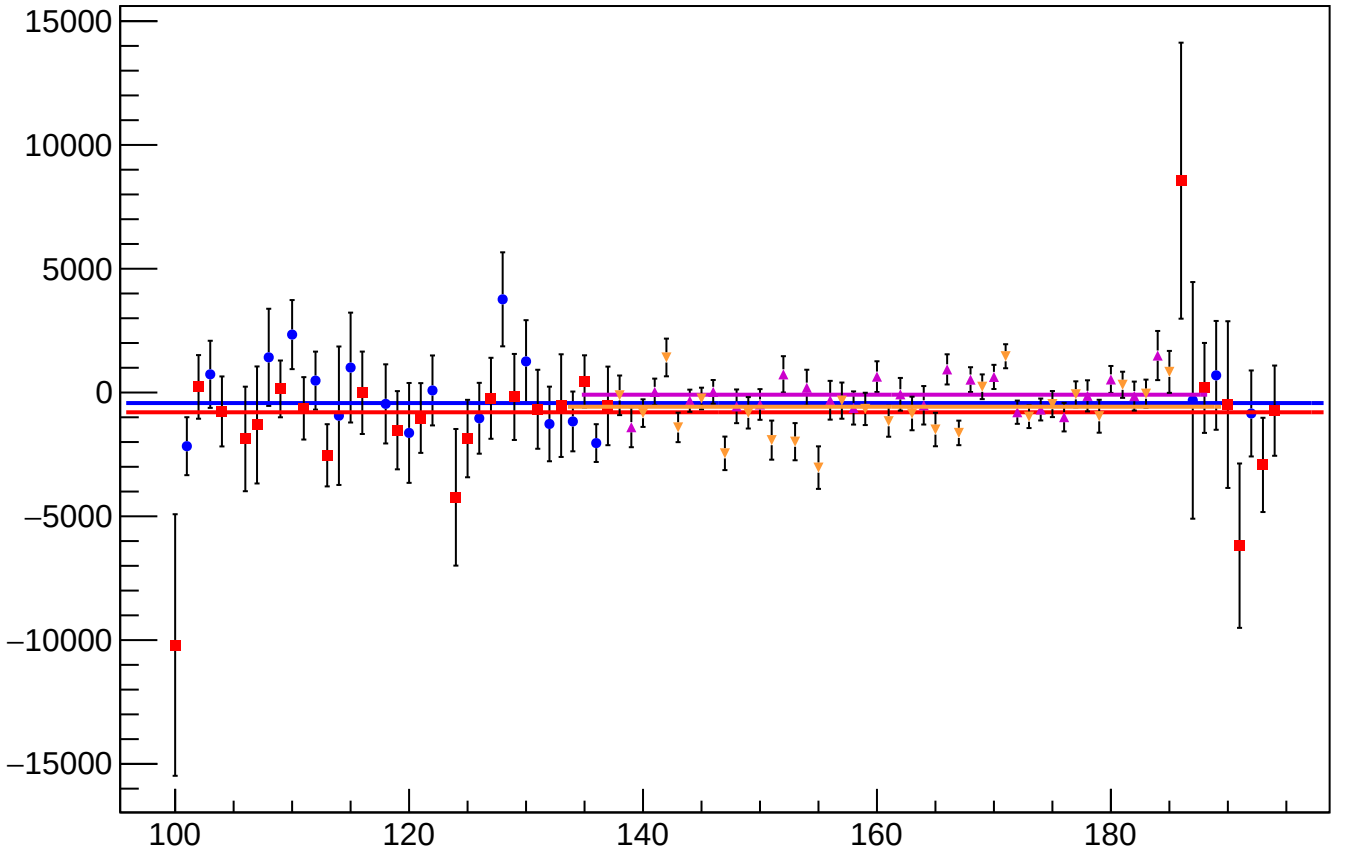
Right Out: 77.084+/-0.018 χ^2/NDF: 3011098.5/24

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 64.106+/-0.009 χ^2/NDF: 2365858.6/43

All: 64.997+/-0.006 χ^2/NDF: 6517757.4/91

- sign 65.933+/-0.009 χ^2/NDF: 4130743.6/47



Right In: -425.614+/-337.137 χ^2/NDF: 20.9/18

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

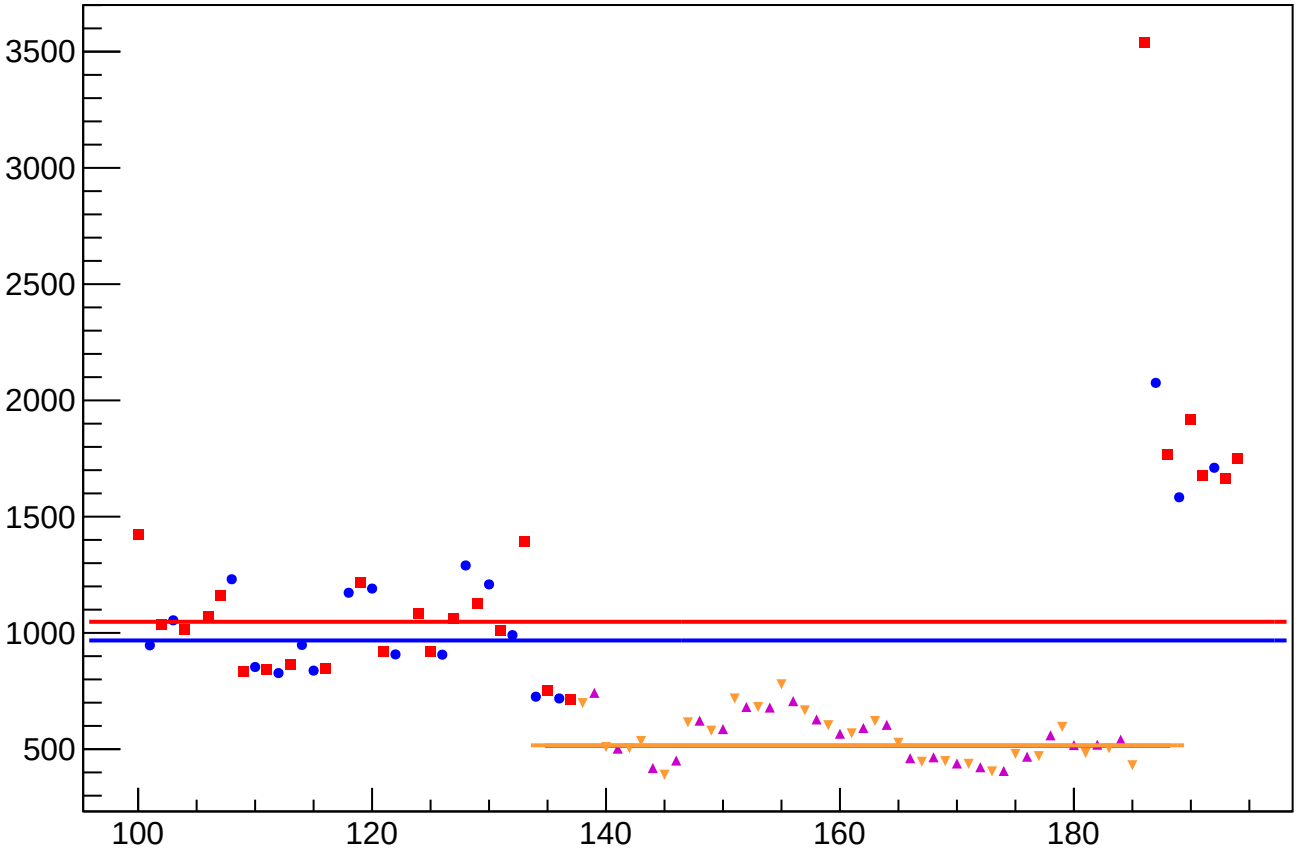
Right Out: -798.048+/-331.603 χ^2/NDF: 17.9/24

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -558.100+/-112.831 χ^2/NDF: 89.8/43

All: -369.323+/-80.506 χ^2/NDF: 142.0/91

- sign -173.548+/-114.904 χ^2/NDF: 46.5/47



Right In: 967.569+/-0.238 χ^2/NDF: 1182803.0/18

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1047.853+/-0.234 χ^2/NDF: 1998457.6/24

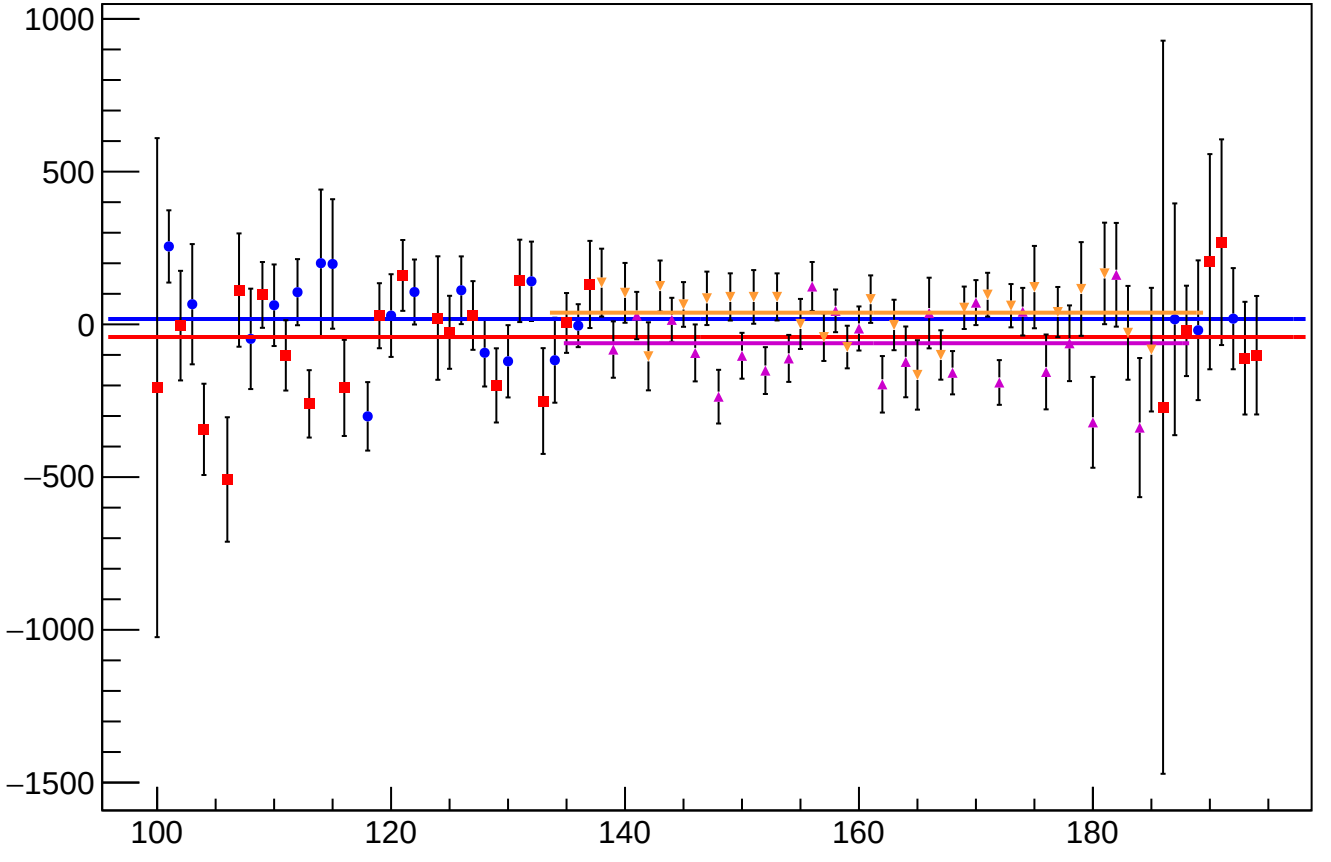
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 567.143+/-0.080 χ^2/NDF: 5625223.7/43

All: 572.859+/-0.057 χ^2/NDF: 13302495.5/91

- sign 578.786+/-0.081 χ^2/NDF: 7666817.3/47

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: -41.390+/-29.114 χ^2/NDF: 29.4/24

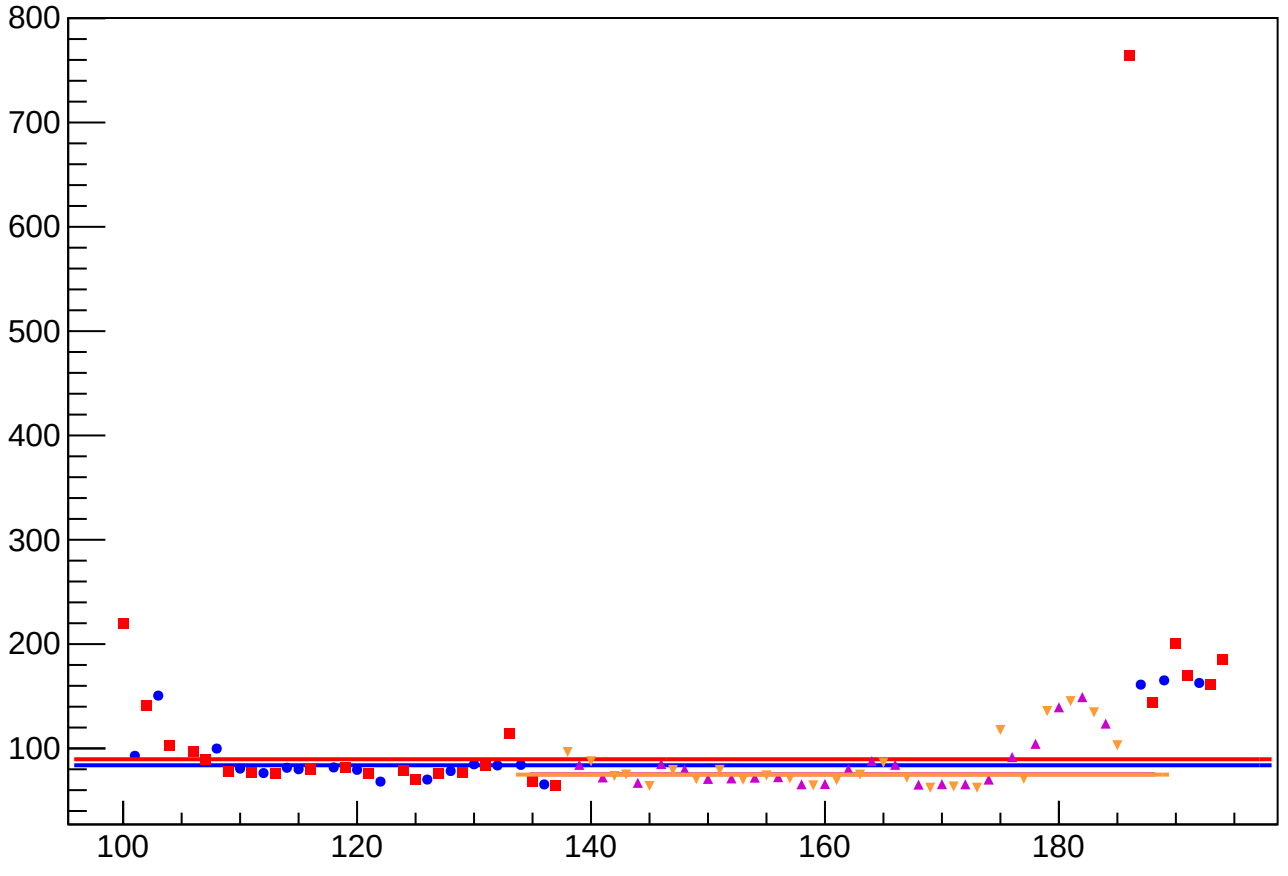
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.812+/-15.160 χ^2/NDF: 39.3/43

All: -10.823+/-10.813 χ^2/NDF: 122.6/91

- sign -56.014+/-15.428 χ^2/NDF: 66.4/47

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

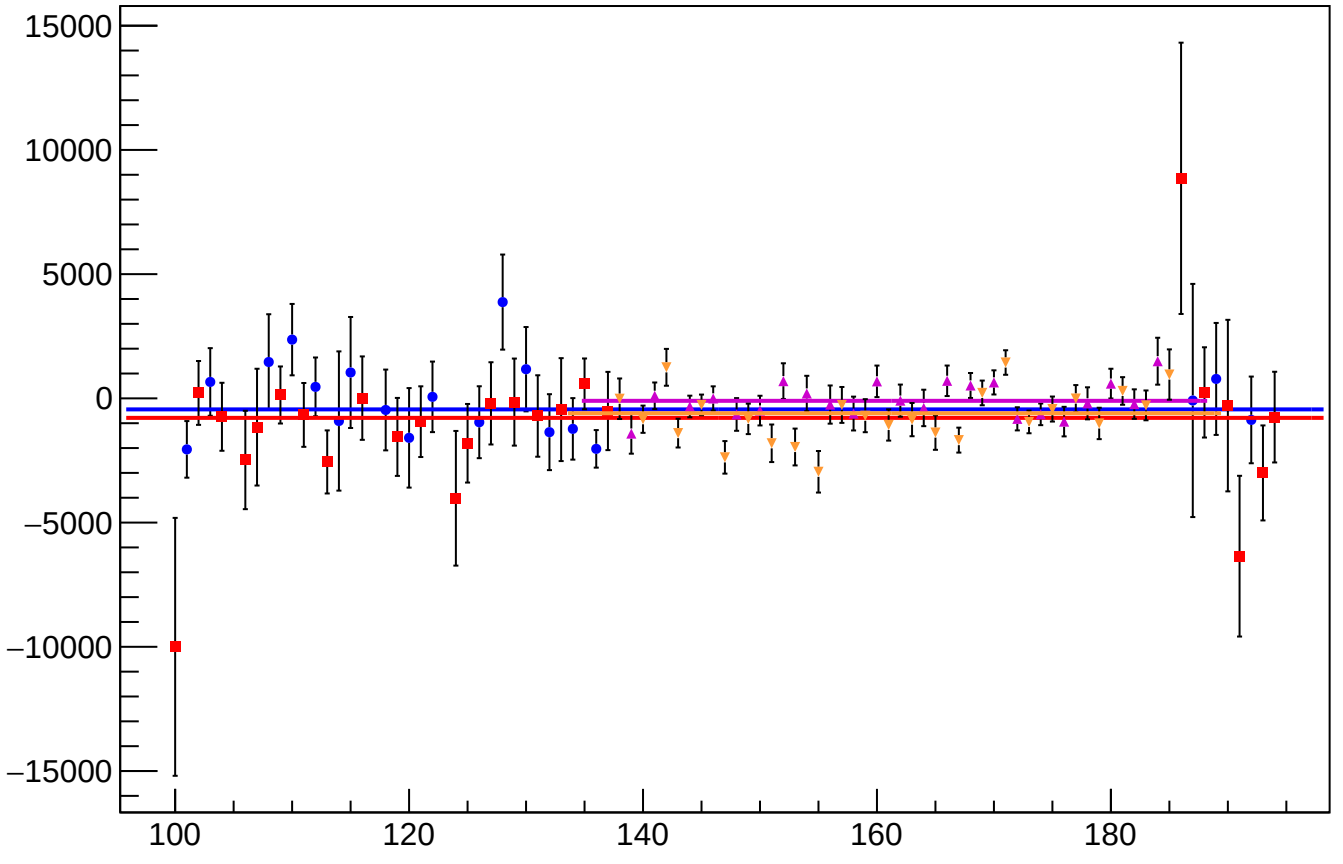
Right Out: 89.624+/-0.021 χ^2/NDF: 2671803.8/24

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 77.262+/-0.011 χ^2/NDF: 3077584.4/43

All: 78.223+/-0.008 χ^2/NDF: 7433556.1/91

- sign 79.218+/-0.011 χ^2/NDF: 4339603.7/47



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: -785.107+/-330.875 χ^2/NDF: 19.3/24

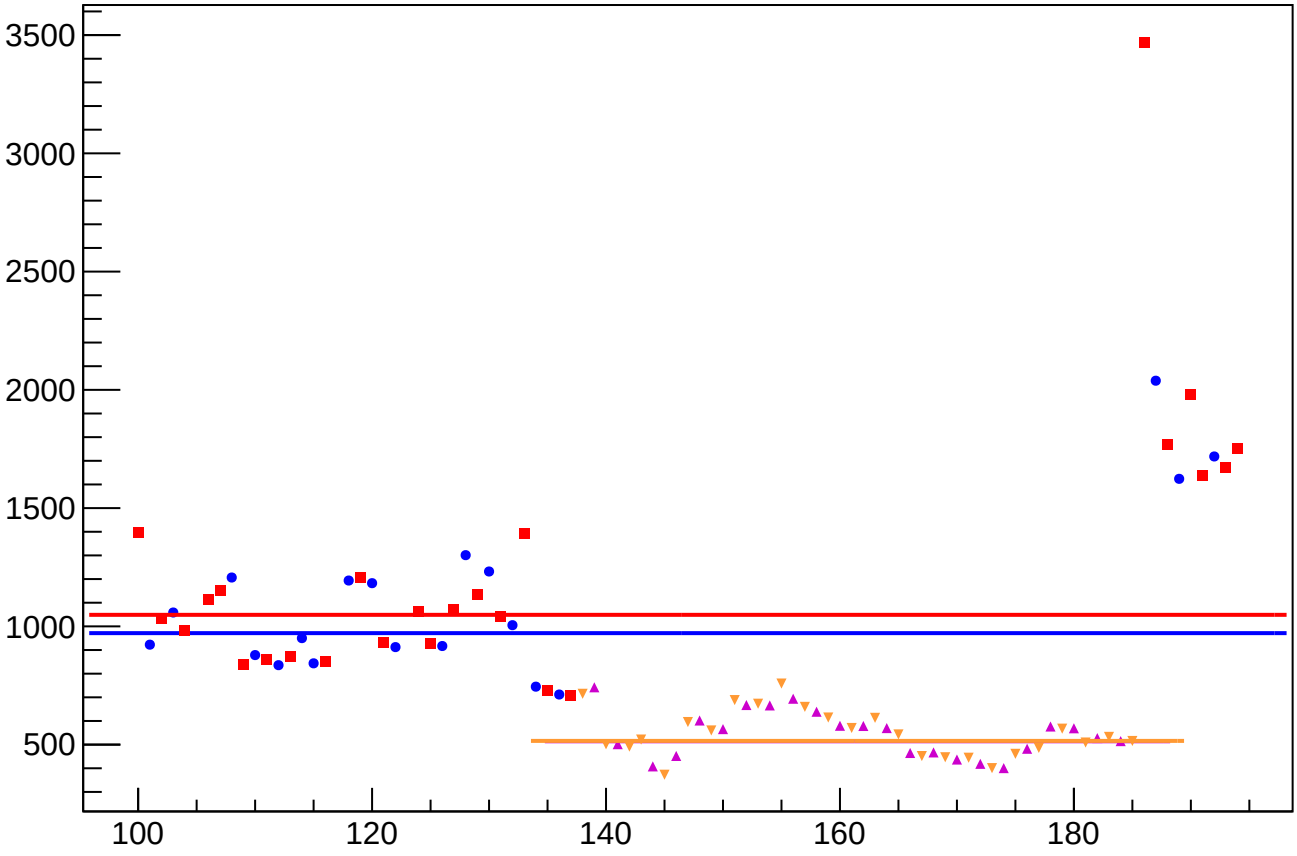
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -581.664+/-112.534 χ^2/NDF: 85.9/43

All: -385.472+/-80.336 χ^2/NDF: 138.9/91

- sign -181.573+/-114.723 χ^2/NDF: 46.8/47

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: 1048.760+/-0.234 χ^2/NDF: 2022620.5/24

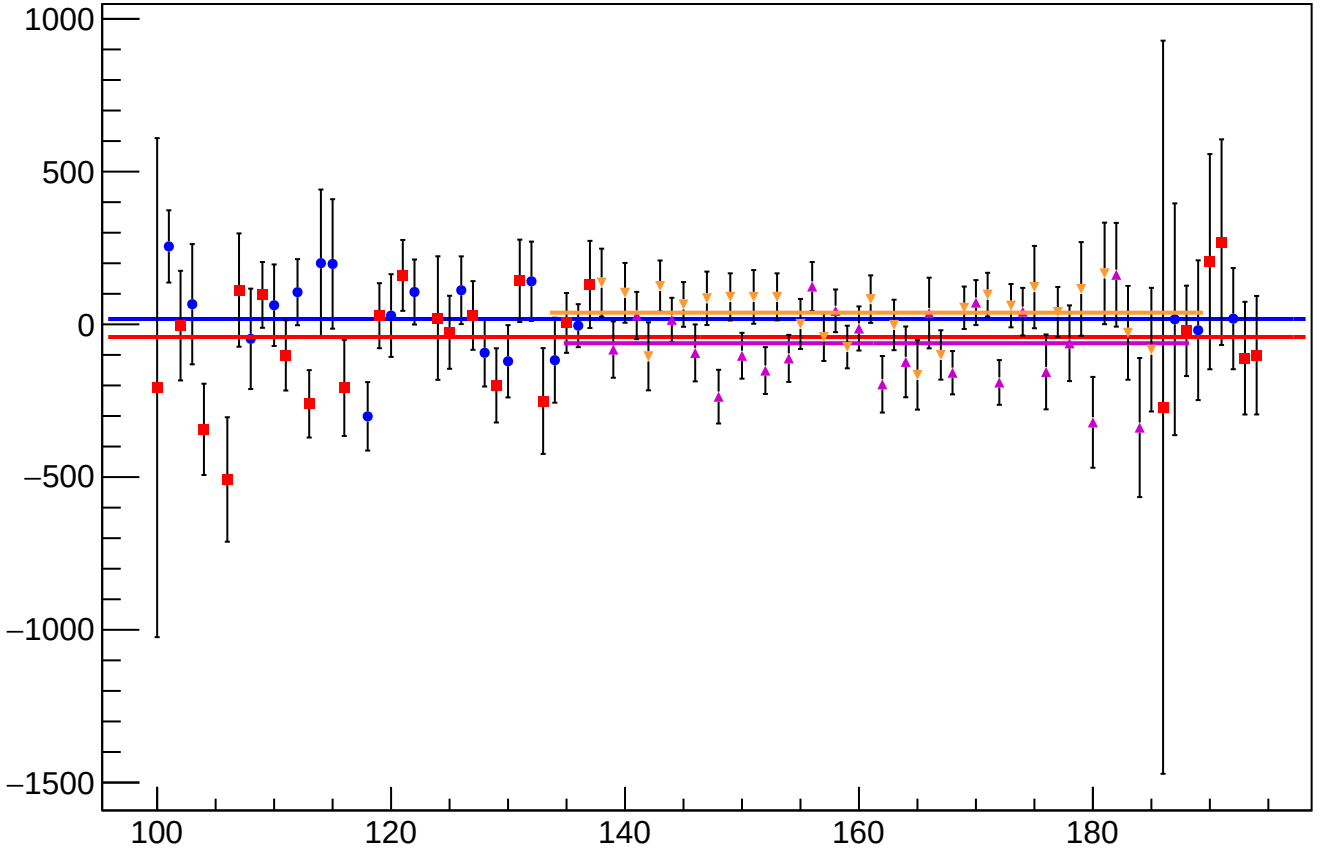
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 566.137+/-0.080 χ^2/NDF: 5653319.2/43

All: 572.134+/-0.057 χ^2/NDF: 13399048.2/91

- sign 578.366+/-0.081 χ^2/NDF: 7734148.5/47

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: -41.388+/-29.114 χ^2/NDF: 29.4/24

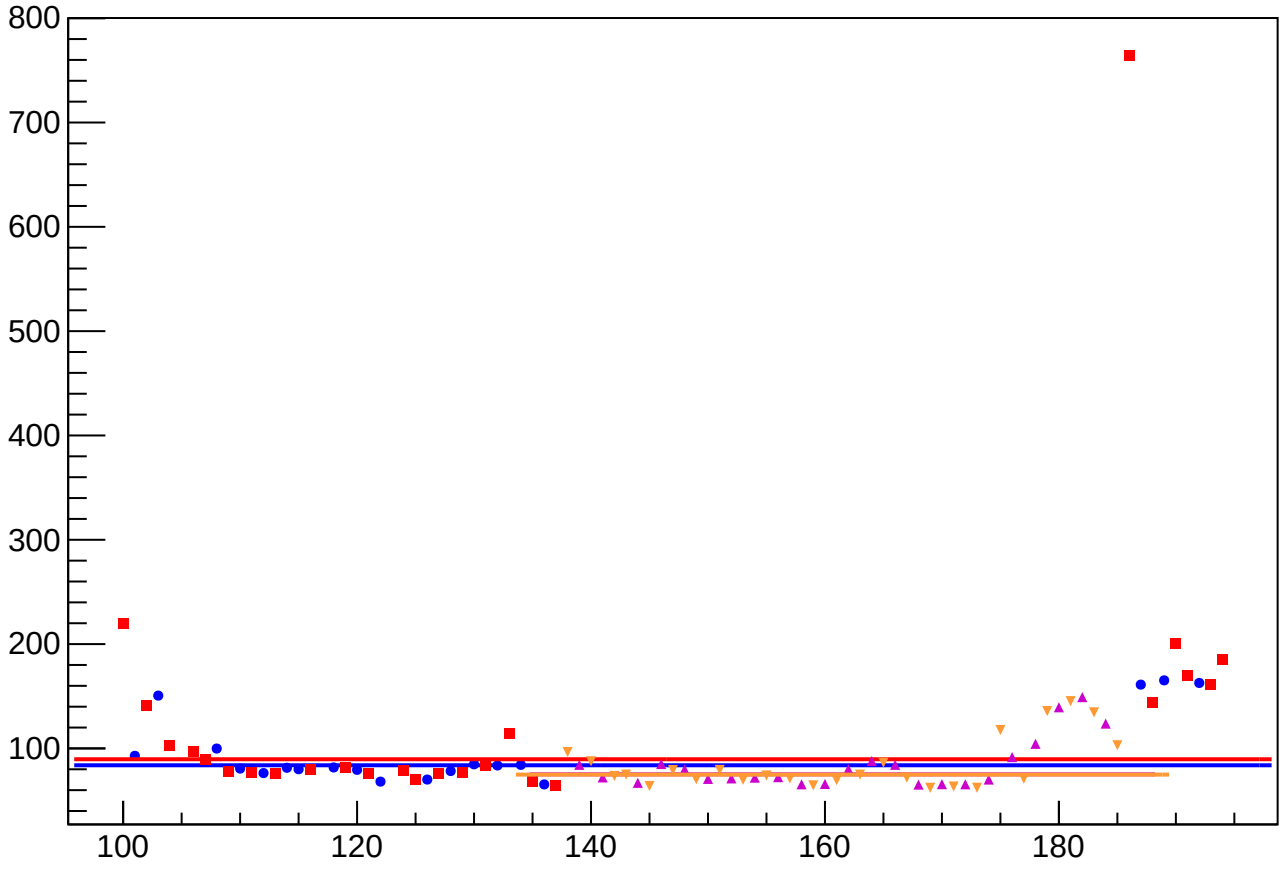
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 32.812+/-15.160 χ^2/NDF: 39.3/43

All: -10.822+/-10.813 χ^2/NDF: 122.6/91

- sign -56.013+/-15.428 χ^2/NDF: 66.4/47

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

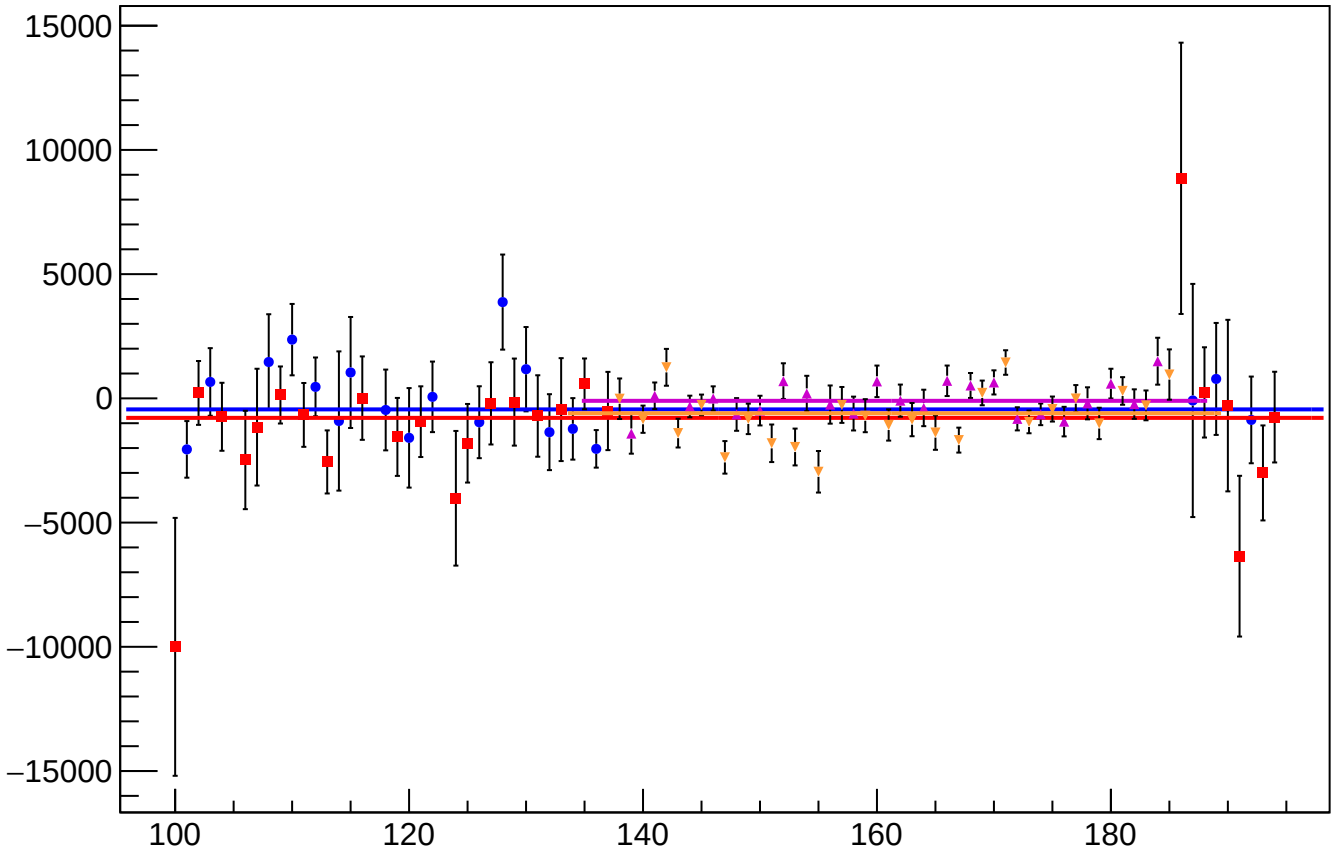
Right Out: 89.624+/-0.021 χ^2/NDF: 2671821.5/24

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 77.262+/-0.011 χ^2/NDF: 3077569.8/43

All: 78.223+/-0.008 χ^2/NDF: 7433522.6/91

- sign 79.218+/-0.011 χ^2/NDF: 4339584.3/47



Right In: -443.594+/-338.438 χ^2/NDF: 20.6/18

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

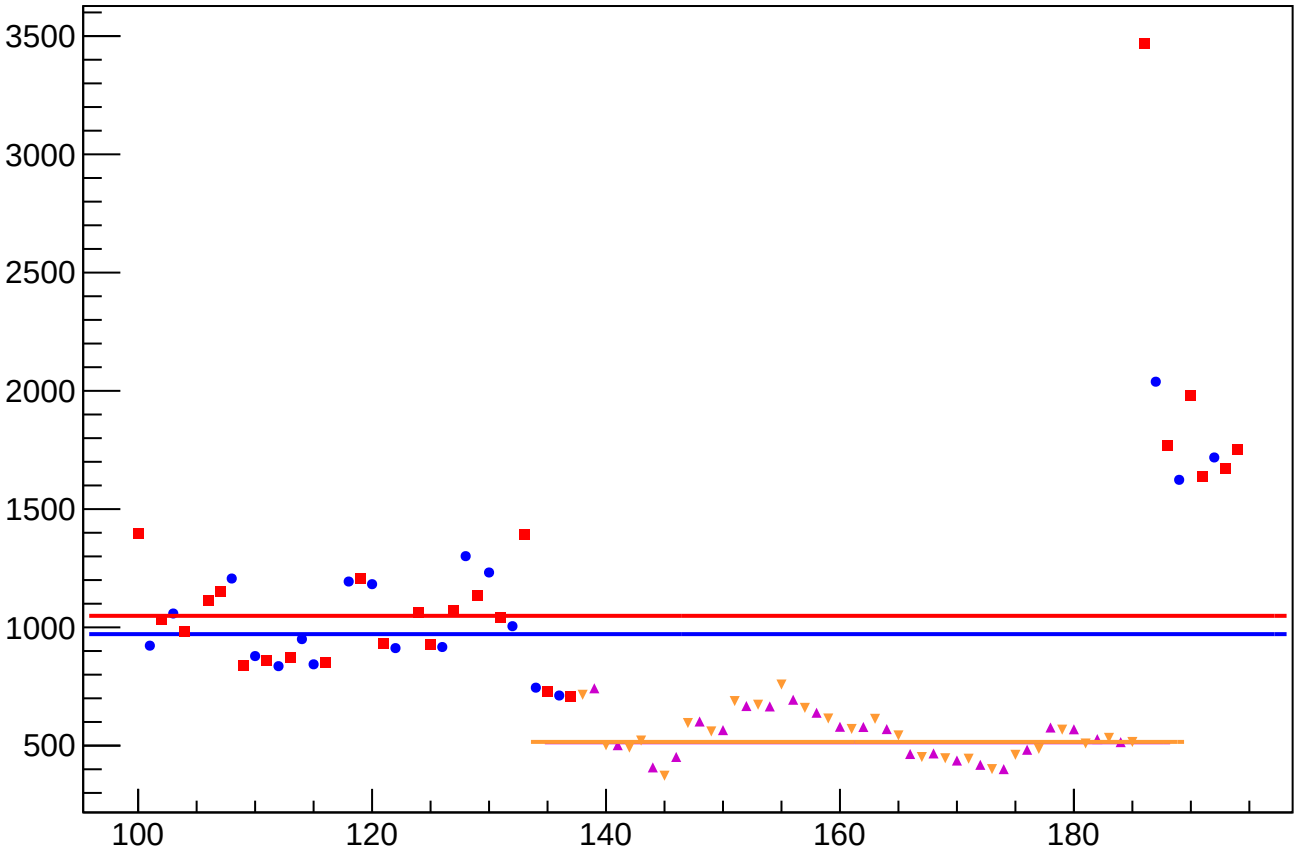
Right Out: -785.106+/-330.874 χ^2/NDF: 19.3/24

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

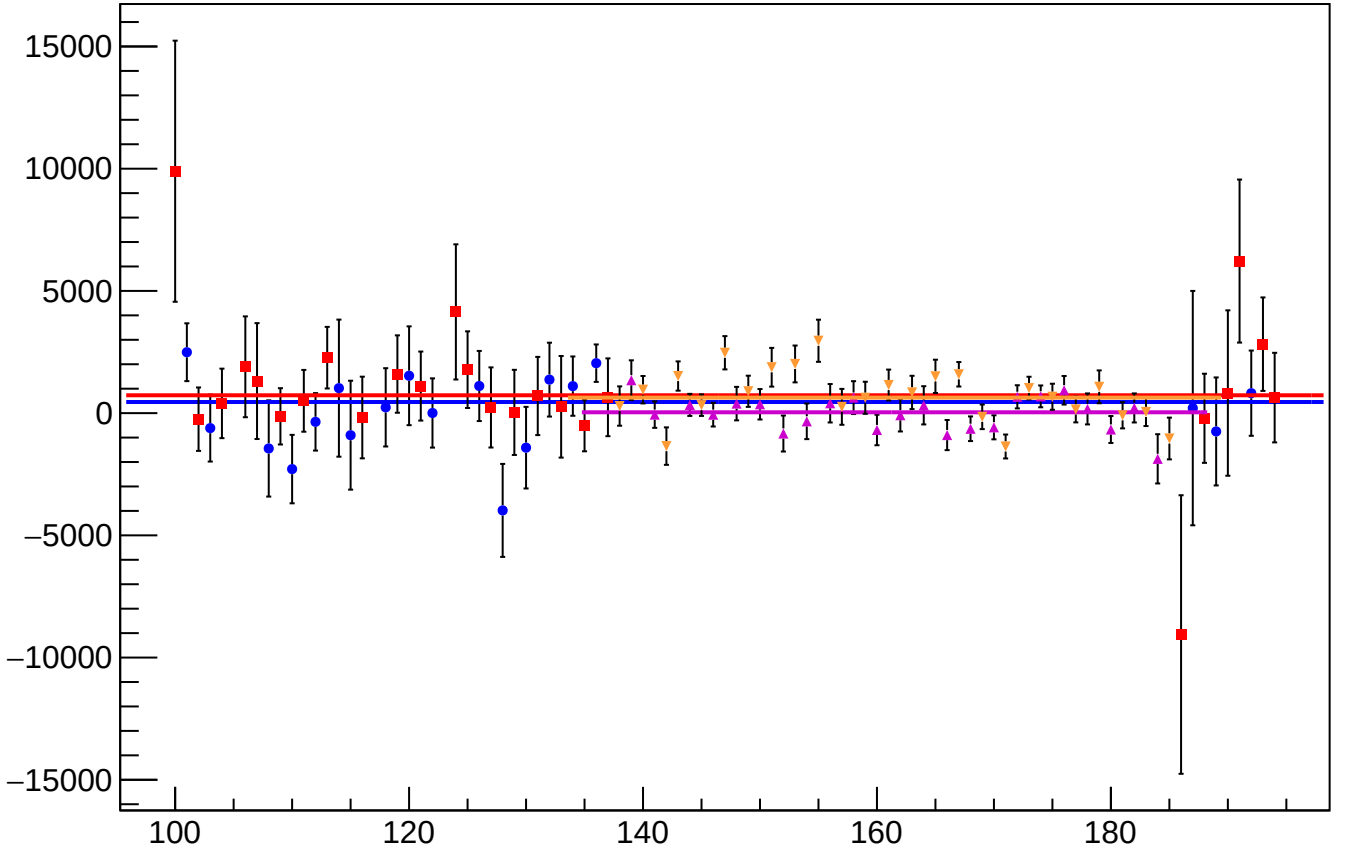
+ sign -581.663+/-112.534 χ^2/NDF: 85.9/43

All: -385.471+/-80.336 χ^2/NDF: 138.9/91

- sign -181.573+/-114.723 χ^2/NDF: 46.8/47


asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
Right In: 971.387+/-0.239 χ²/NDF: 1196762.6/18
Left Out: 515.761+/-0.084 χ²/NDF:1232481.1/24
Right Out: 1048.757+/-0.234 χ²/NDF: 2022624.2/24
Left In: 514.087+/-0.086 χ²/NDF:1116882.7/22
+ sign 566.136+/-0.080 χ²/NDF: 5653320.0/43
All: 572.133+/-0.057 χ²/NDF: 13399044.3/91
- sign 578.365+/-0.081 χ²/NDF: 7734143.6/47

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: 730.472+/-332.647 χ^2/NDF: 17.5/24

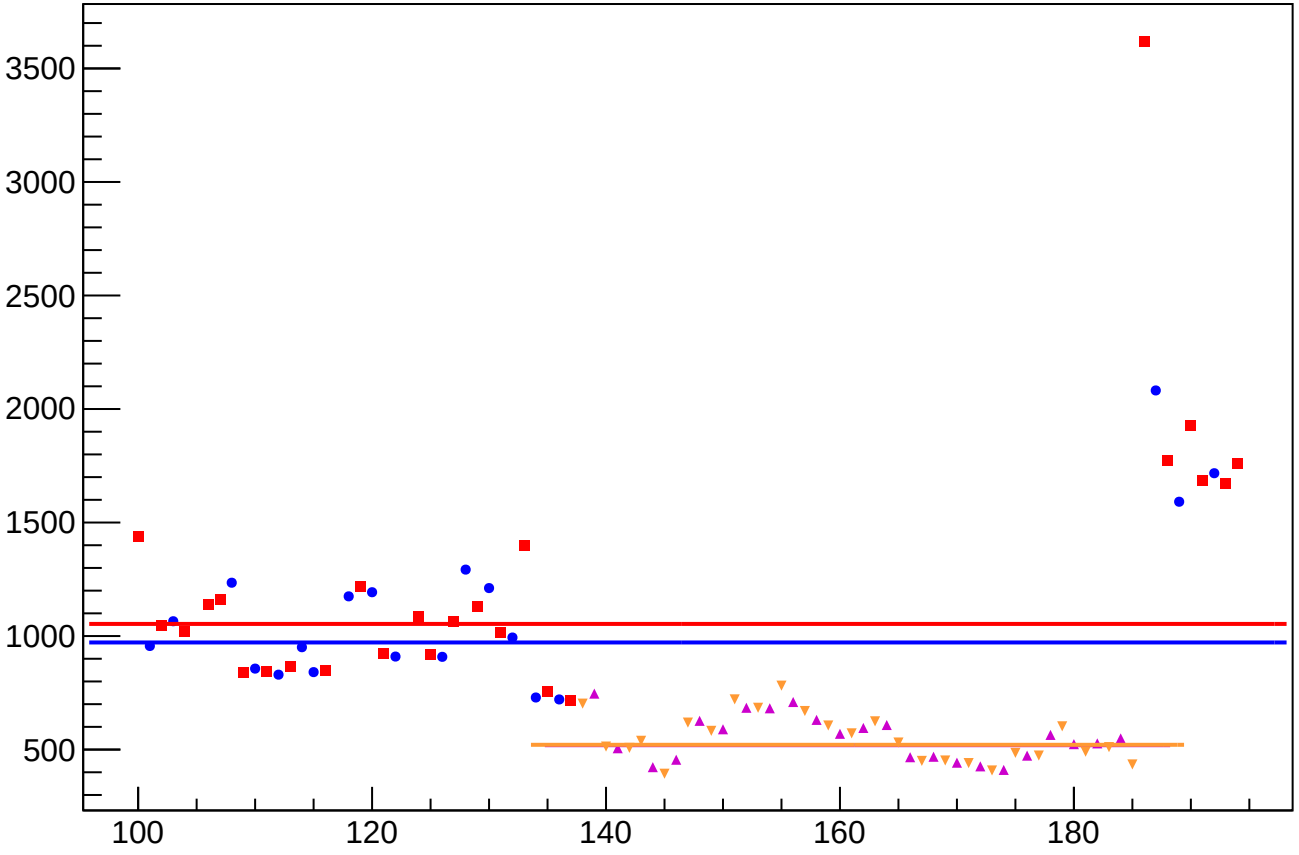
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

\+ sign 614.505+/-113.706 χ^2/NDF: 86.6/43

All: 371.307+/-81.130 χ^2/NDF: 142.3/91

\- sign 119.101+/-115.792 χ^2/NDF: 46.4/47

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

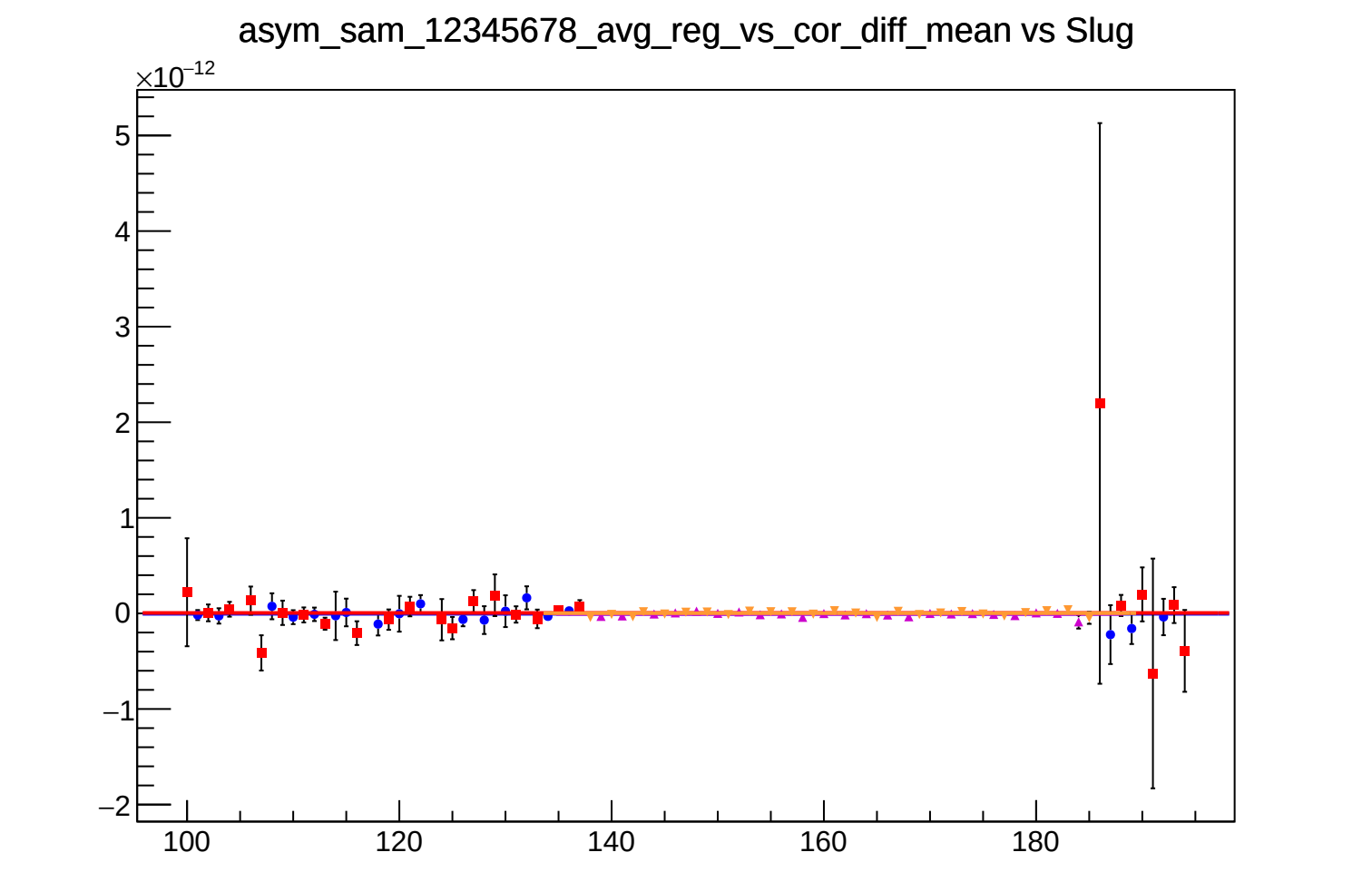
Right Out: 1053.417+/-0.235 χ^2/NDF: 2011595.5/24

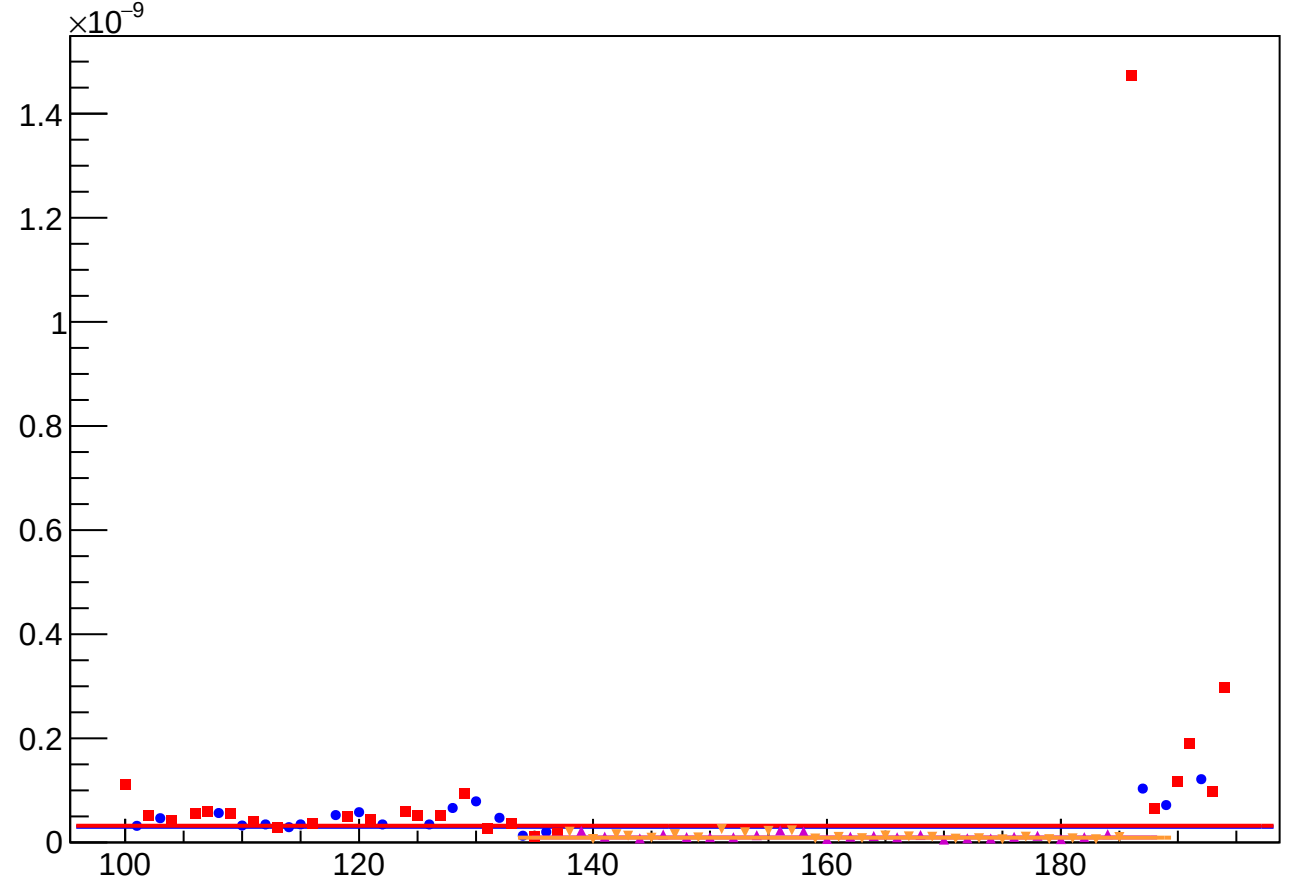
Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 571.858+/-0.080 χ^2/NDF: 5569834.1/43

All: 577.802+/-0.057 χ^2/NDF: 13225631.8/91

- sign 583.966+/-0.082 χ^2/NDF: 7644665.9/47


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: 22.3/24
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: 65.9/91
- sign -0.000+/-0.000 χ²/NDF: 33.3/47



Right In: 0.000+/-0.000 χ^2/NDF: 1875496.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

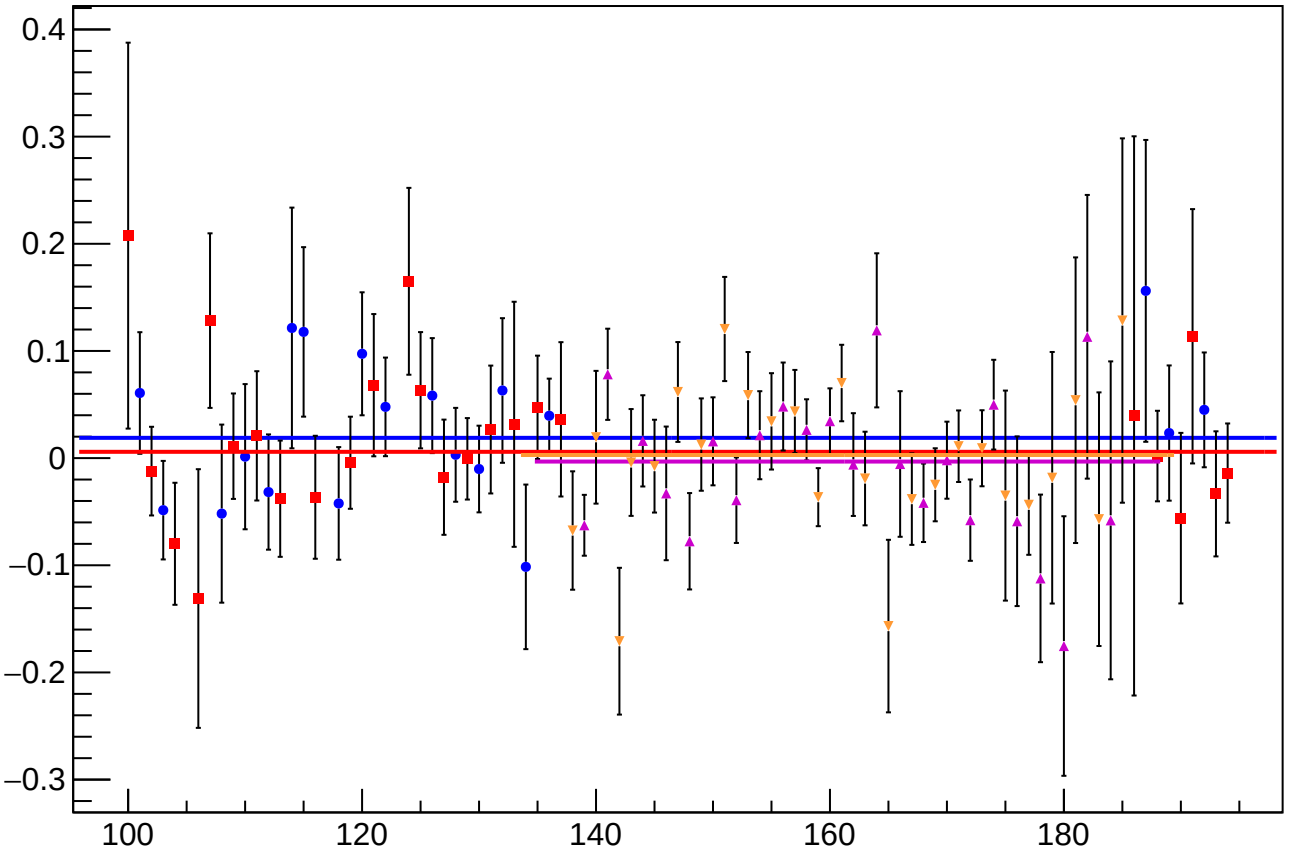
Right Out: 0.000+/-0.000 χ^2/NDF: 3591793.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6710532.2/43

All: 0.000+/-0.000 χ^2/NDF: 14662296.0/91

- sign 0.000+/-0.000 χ^2/NDF: 7939846.3/47



Right In: 0.019+/-0.013 χ^2/NDF: 16.0/18

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.006+/-0.012 χ^2/NDF: 17.3/24

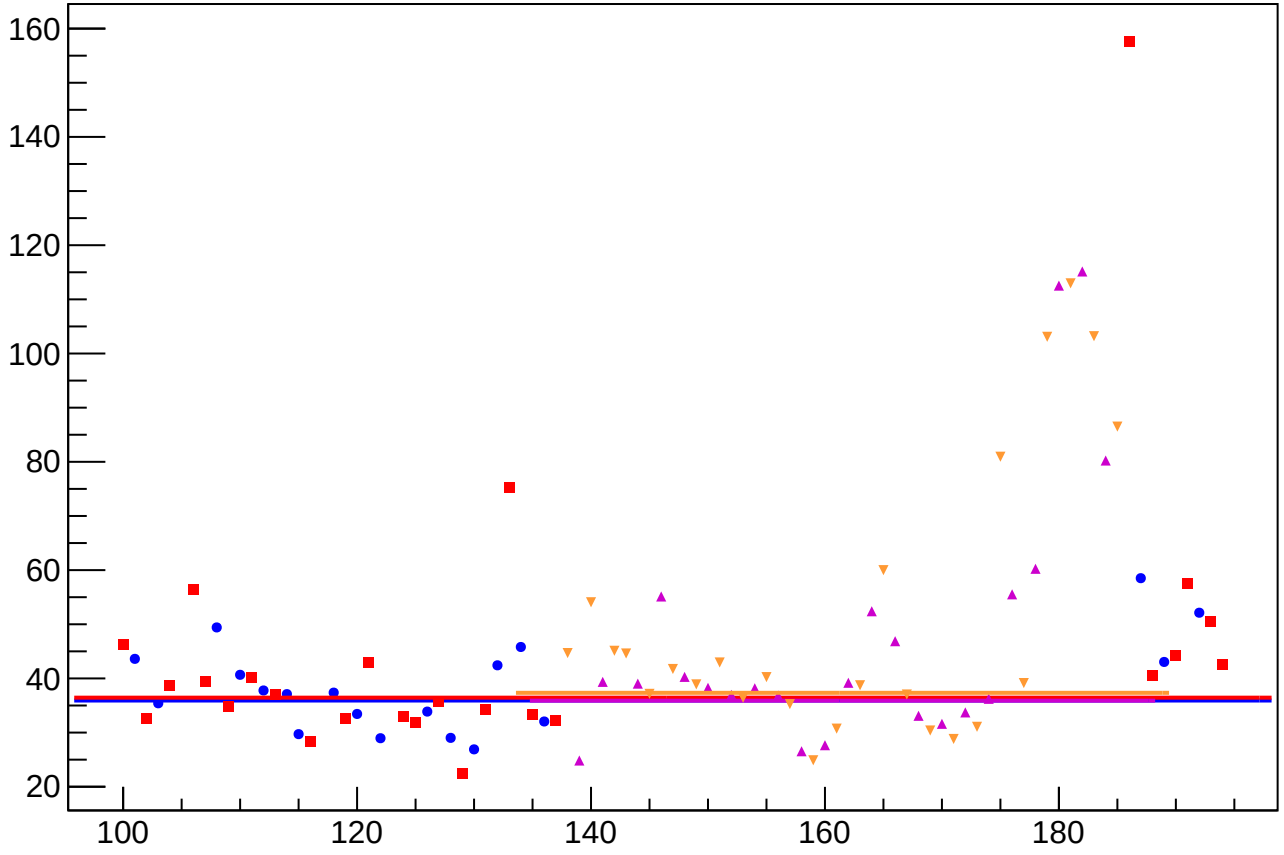
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.9/43

All: 0.004+/-0.005 χ^2/NDF: 98.1/91

- sign 0.000+/-0.007 χ^2/NDF: 47.5/47

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

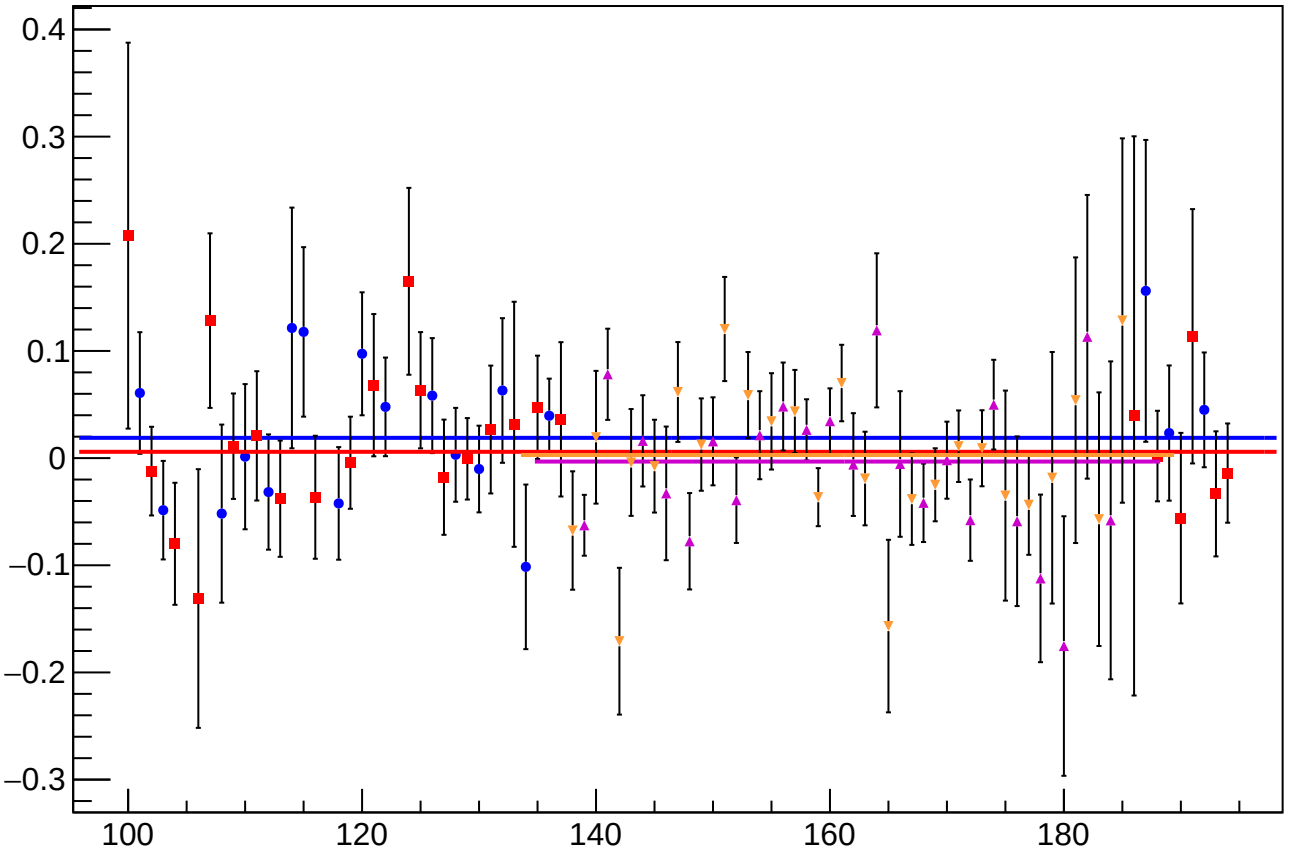
Right Out: 36.449+/-0.008 χ^2/NDF: 1392955.0/24

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.849+/-0.005 χ^2/NDF: 4367544.4/43

All: 36.464+/-0.004 χ^2/NDF: 8911787.7/91

- sign 36.106+/-0.005 χ^2/NDF: 4534012.2/47



Right In: 0.019+/-0.013 χ^2/NDF: 16.0/18

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

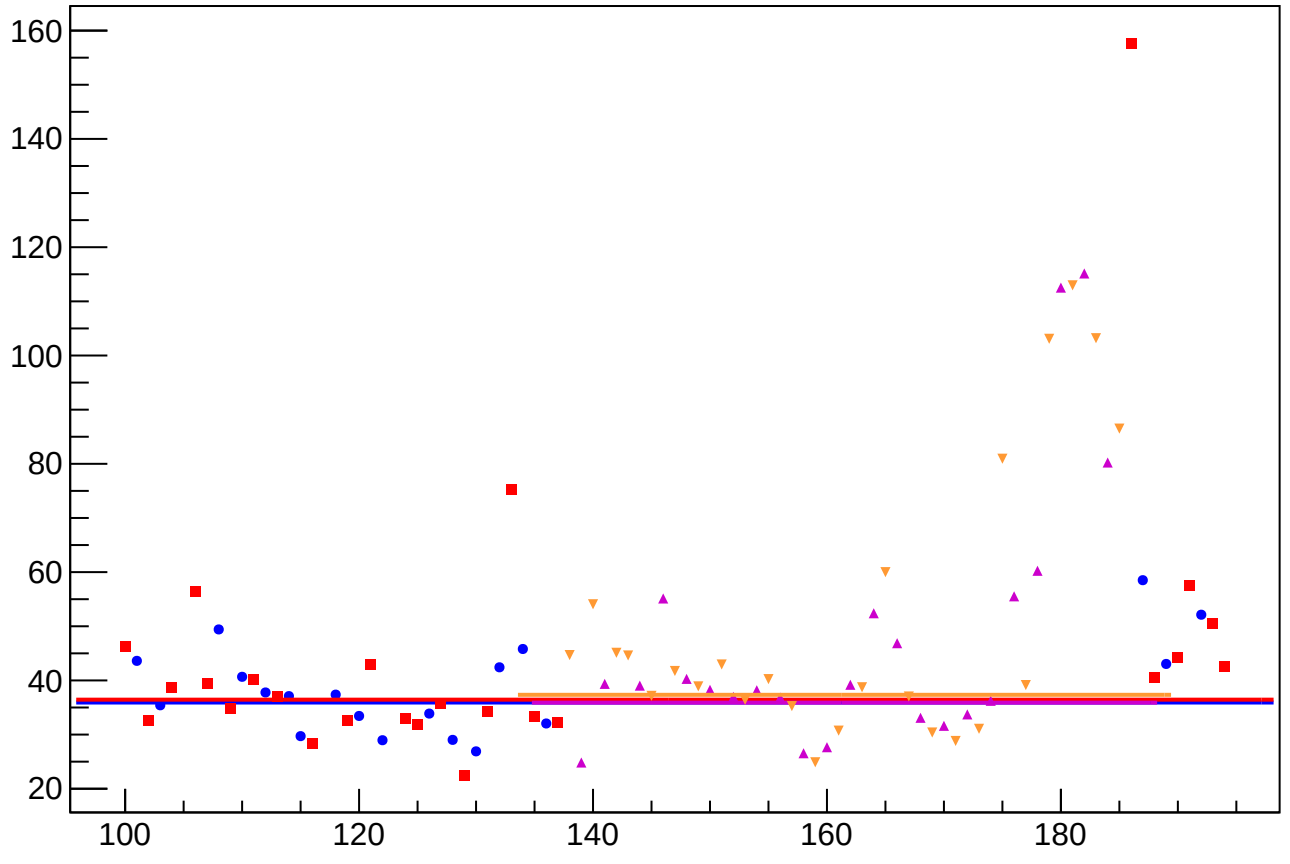
Right Out: 0.006+/-0.012 χ^2/NDF: 17.3/24

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.9/43

All: 0.004+/-0.005 χ^2/NDF: 98.1/91

- sign 0.000+/-0.007 χ^2/NDF: 47.5/47



Right In: 35.921+/-0.009 χ^2/NDF: 654468.7/18

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

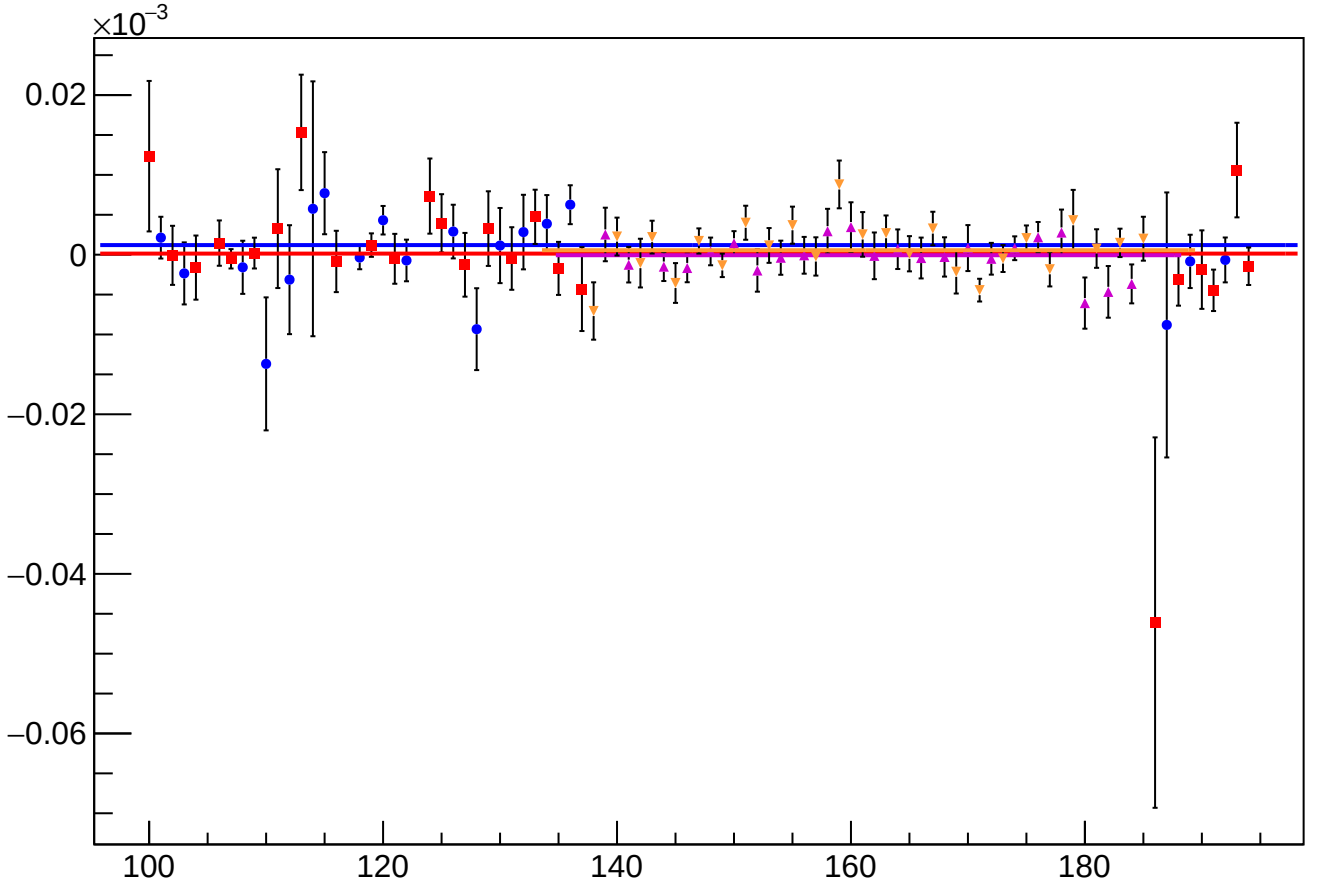
Right Out: 36.449+/-0.008 χ^2/NDF: 1392955.0/24

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.849+/-0.005 χ^2/NDF: 4367544.4/43

All: 36.464+/-0.004 χ^2/NDF: 8911787.7/91

- sign 36.106+/-0.005 χ^2/NDF: 4534012.2/47



Right In: 0.000+/-0.000 χ^2/NDF: 22.3/18

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

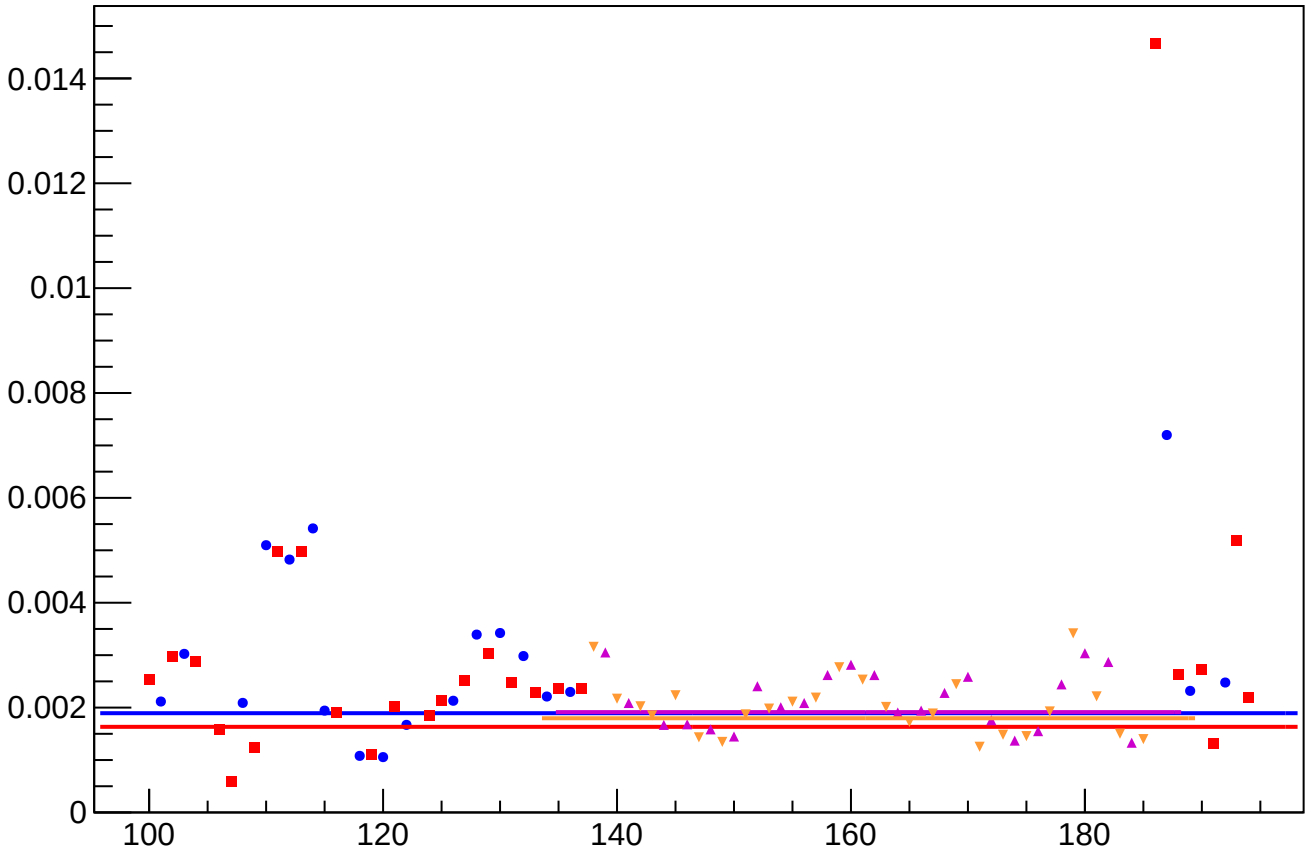
Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/24

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.4/43

All: 0.000+/-0.000 χ^2/NDF: 111.7/91

- sign 0.000+/-0.000 χ^2/NDF: 43.4/47



Right In: 0.002+/-0.000 χ^2/NDF: 2913072.7/18

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5553392.0/24

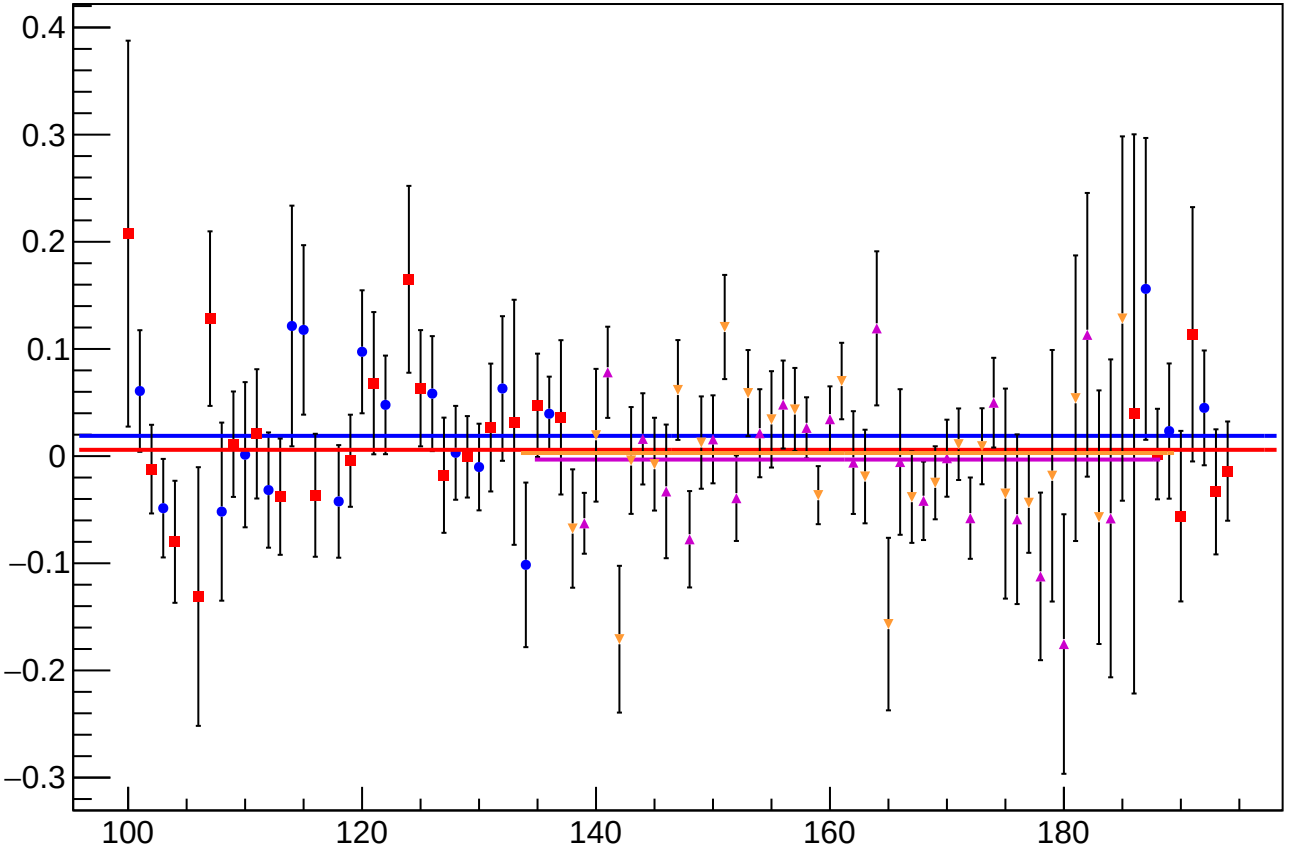
Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.002+/-0.000 χ^2/NDF: 5219564.7/43

All: 0.002+/-0.000 χ^2/NDF: 13227483.7/91

- sign 0.002+/-0.000 χ^2/NDF: 8005905.7/47

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.013 χ^2/NDF: 16.0/18

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

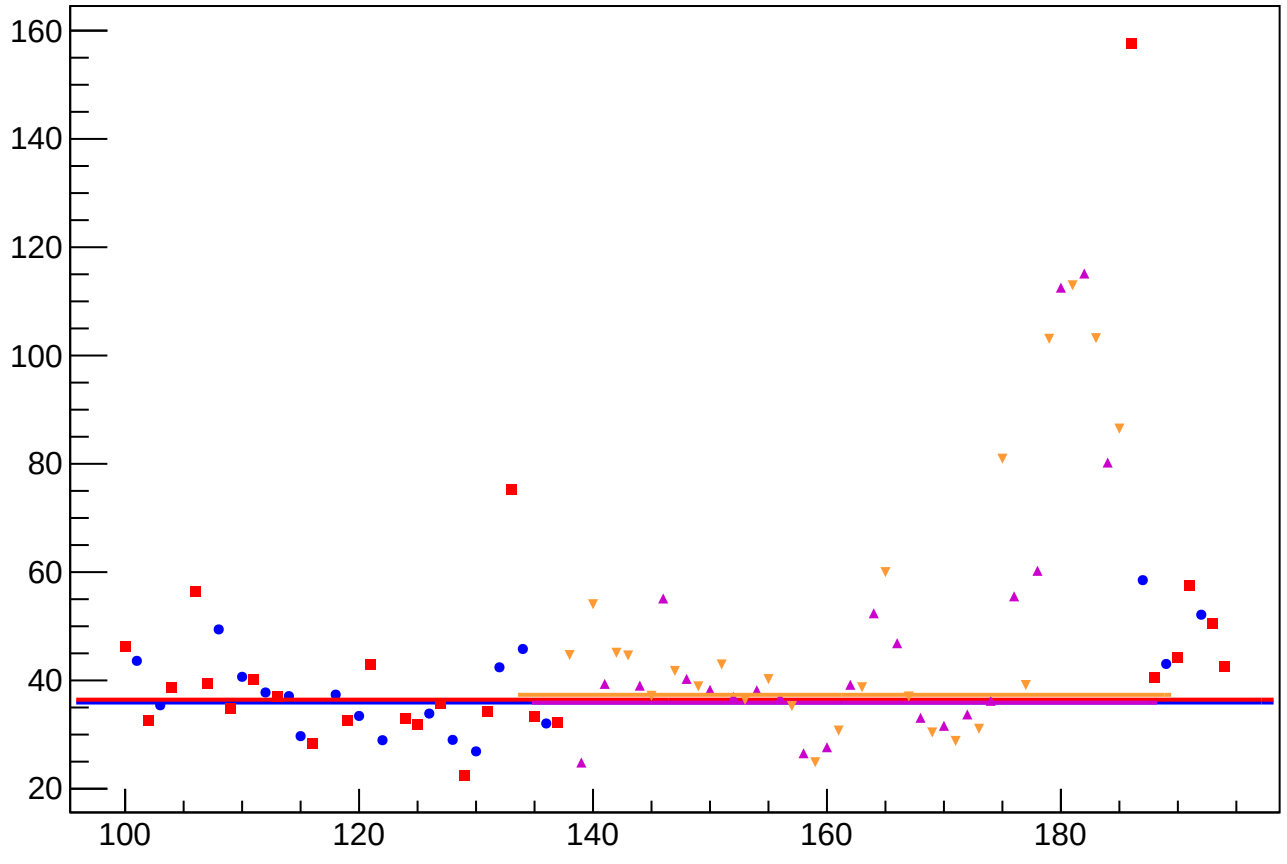
Right Out: 0.006+/-0.012 χ^2/NDF: 17.3/24

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.9/43

All: 0.004+/-0.005 χ^2/NDF: 98.1/91

- sign 0.000+/-0.007 χ^2/NDF: 47.5/47



Right In: 35.920+/-0.009 χ^2/NDF: 654545.3/18

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 36.448+/-0.008 χ^2/NDF: 1393034.9/24

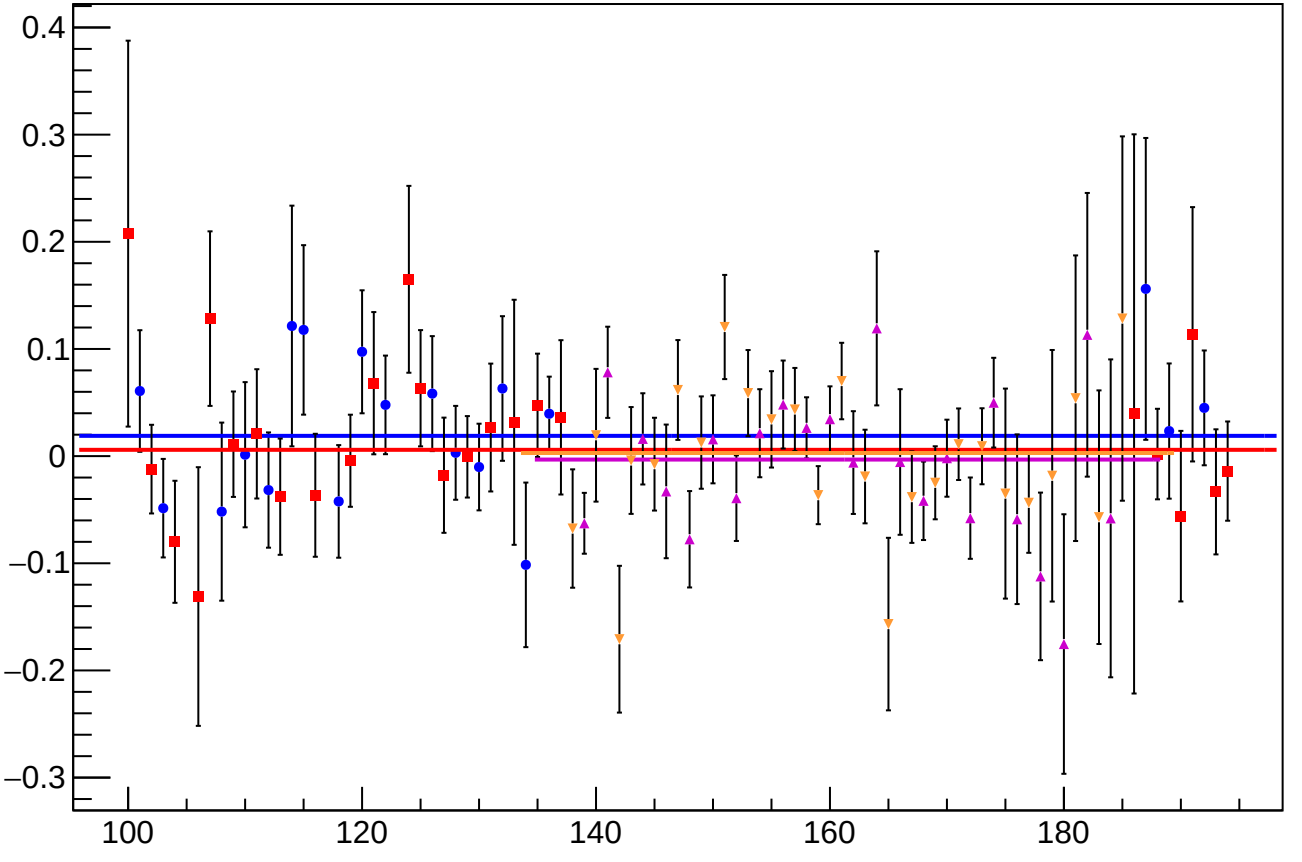
Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.849+/-0.005 χ^2/NDF: 4367694.0/43

All: 36.464+/-0.004 χ^2/NDF: 8912020.5/91

- sign 36.106+/-0.005 χ^2/NDF: 4534100.7/47

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019+/-0.013 χ^2/NDF: 16.0/18

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.006+/-0.012 χ^2/NDF: 17.3/24

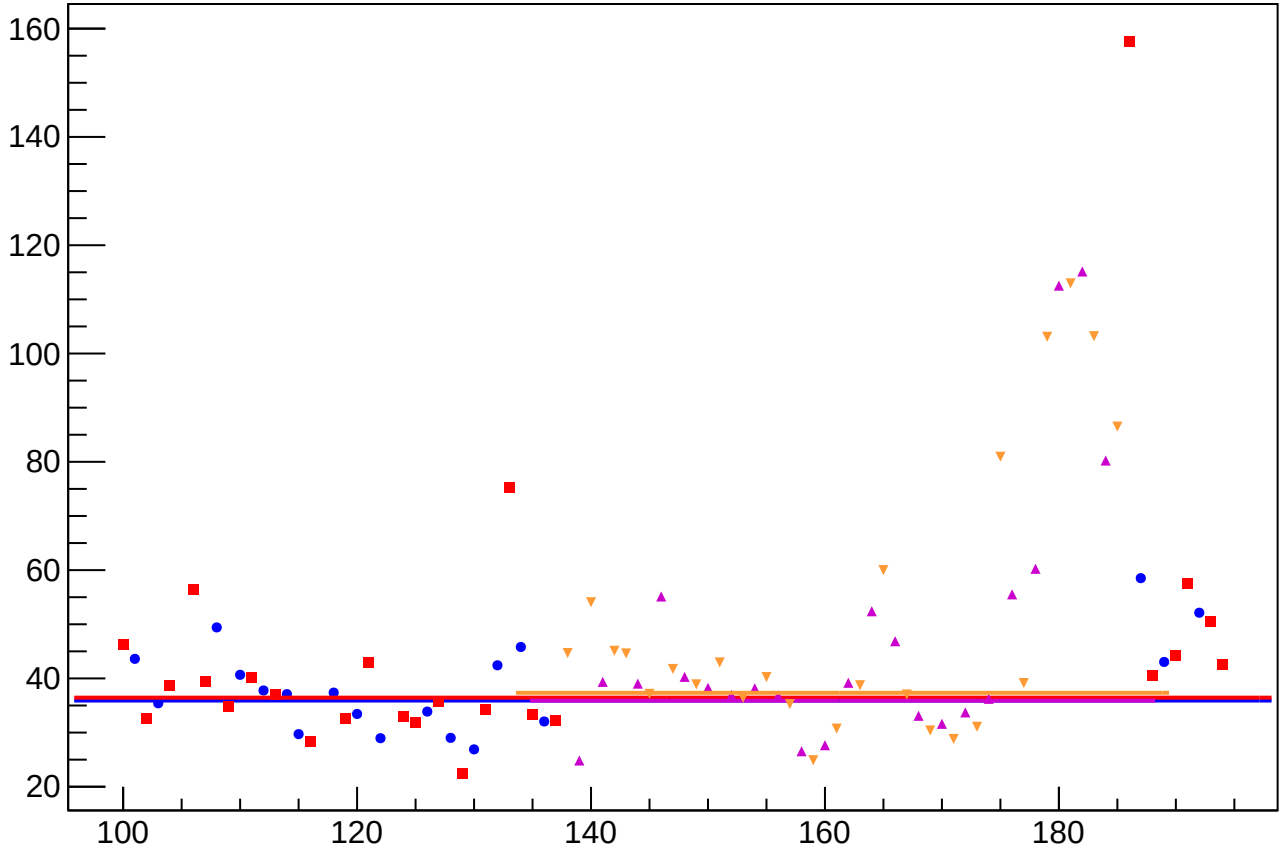
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.007 χ^2/NDF: 49.9/43

All: 0.004+/-0.005 χ^2/NDF: 98.1/91

- sign 0.000+/-0.007 χ^2/NDF: 47.5/47

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

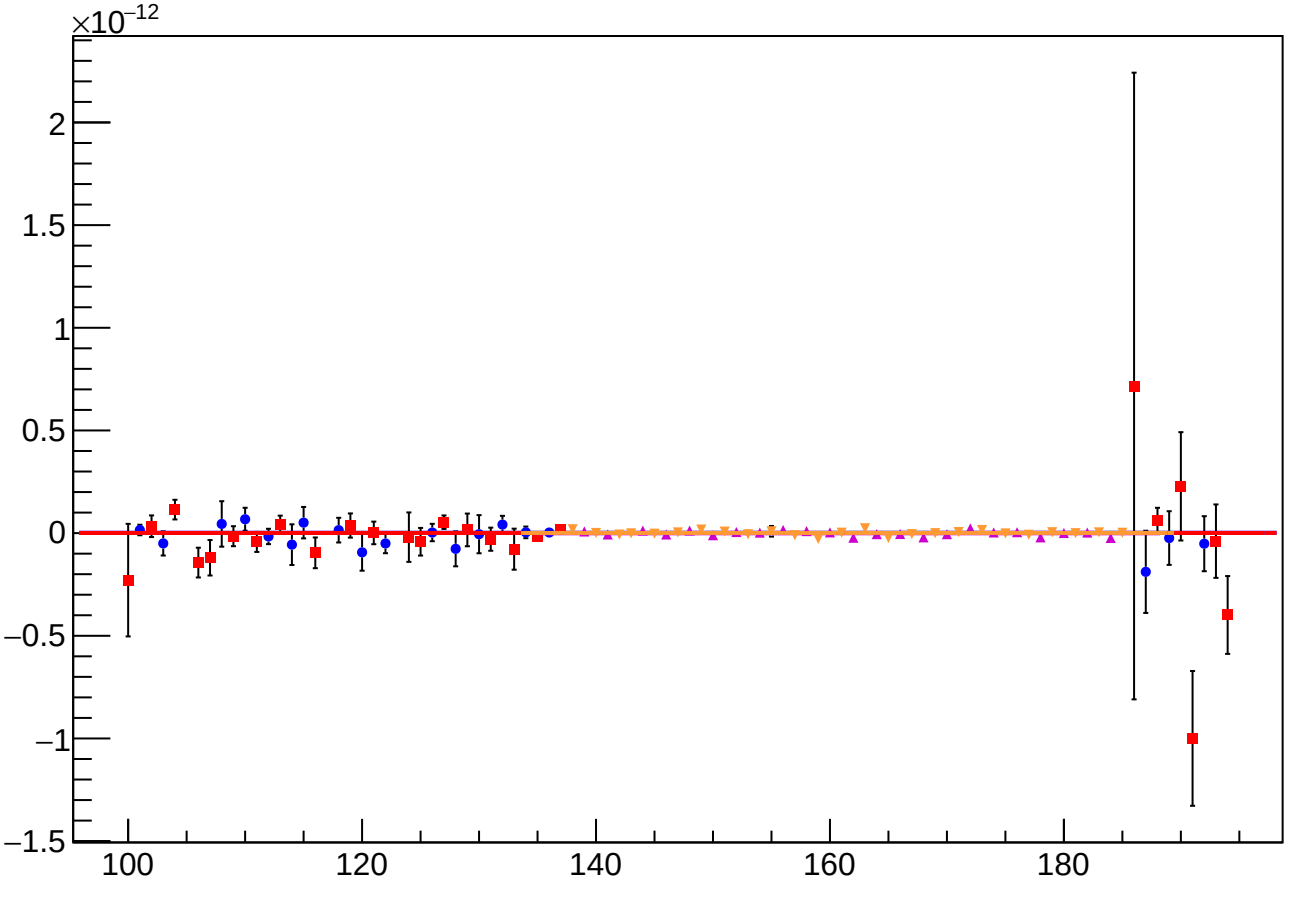
Right Out: 36.448+/-0.008 χ^2/NDF: 1393034.9/24

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.849+/-0.005 χ^2/NDF: 4367694.0/43

All: 36.464+/-0.004 χ^2/NDF: 8912020.5/91

- sign 36.106+/-0.005 χ^2/NDF: 4534100.7/47



Right In: 0.000+/-0.000 χ^2/NDF: 8.8/18

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

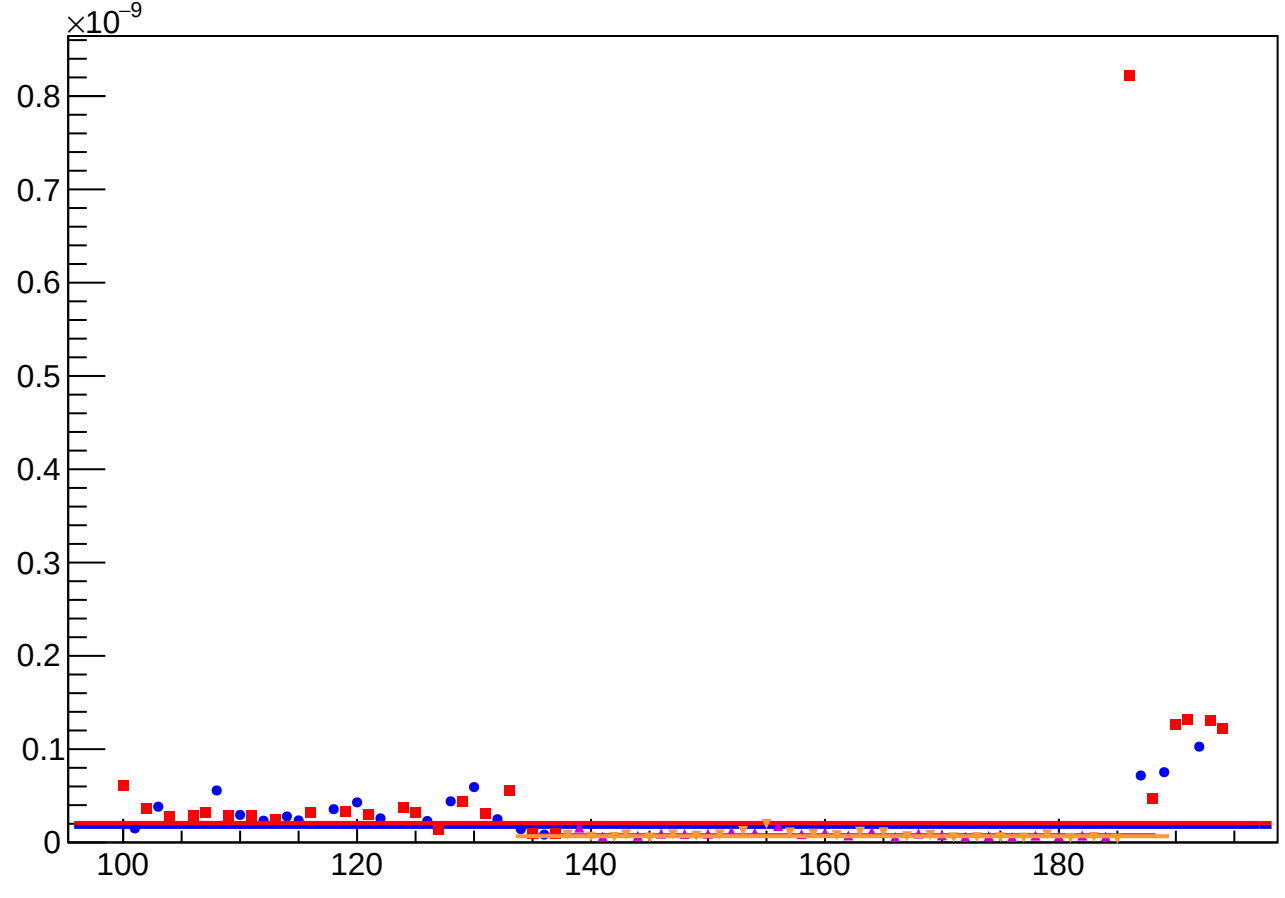
Right Out: 0.000+/-0.000 χ^2/NDF: 37.1/24

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.2/43

All: 0.000+/-0.000 χ^2/NDF: 96.8/91

- sign -0.000+/-0.000 χ^2/NDF: 66.4/47



Right In: 0.000+/-0.000 χ^2/NDF: 4213653.0/18

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5256045.1/24

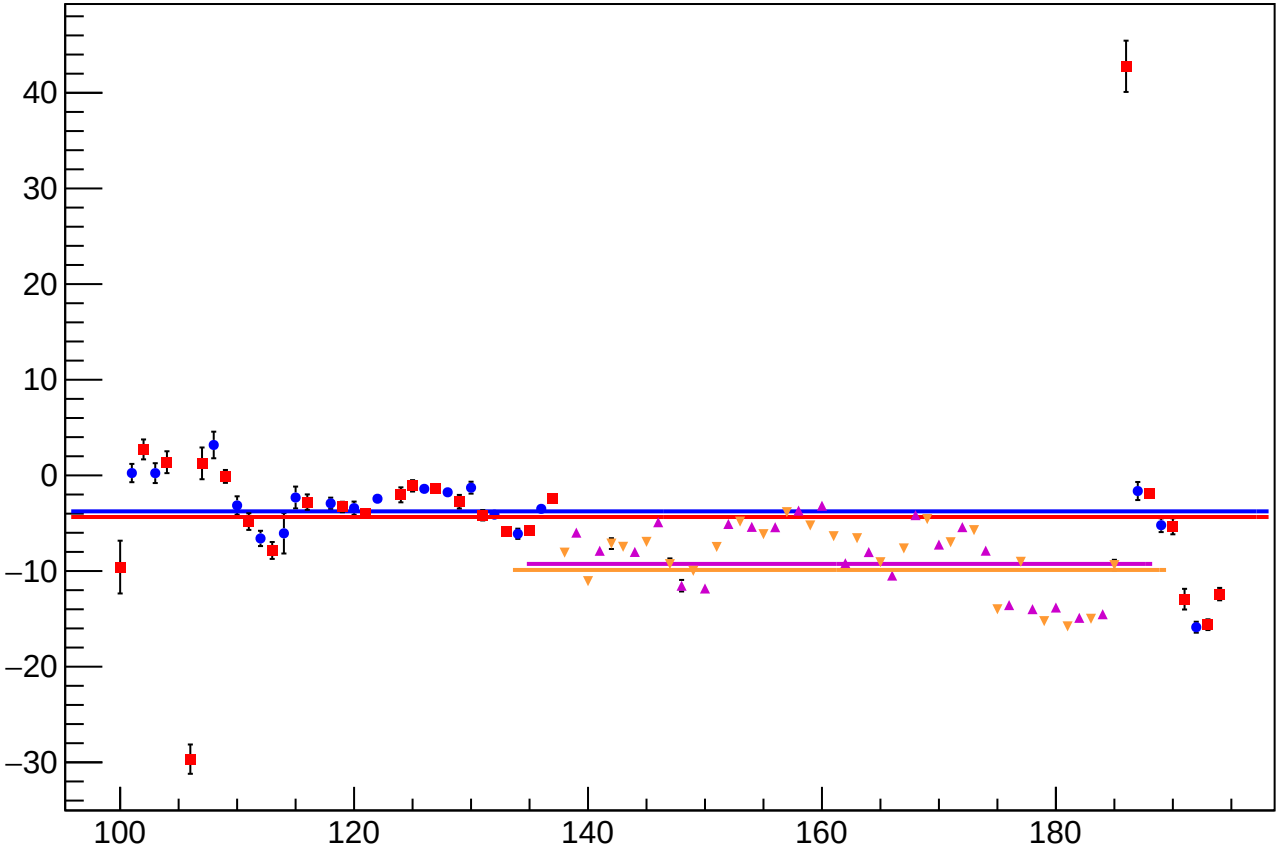
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8926689.9/43

All: 0.000+/-0.000 χ^2/NDF: 19370058.0/91

- sign 0.000+/-0.000 χ^2/NDF: 10111751.0/47

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: -4.351+/-0.121 χ^2/NDF: 1543.6/24

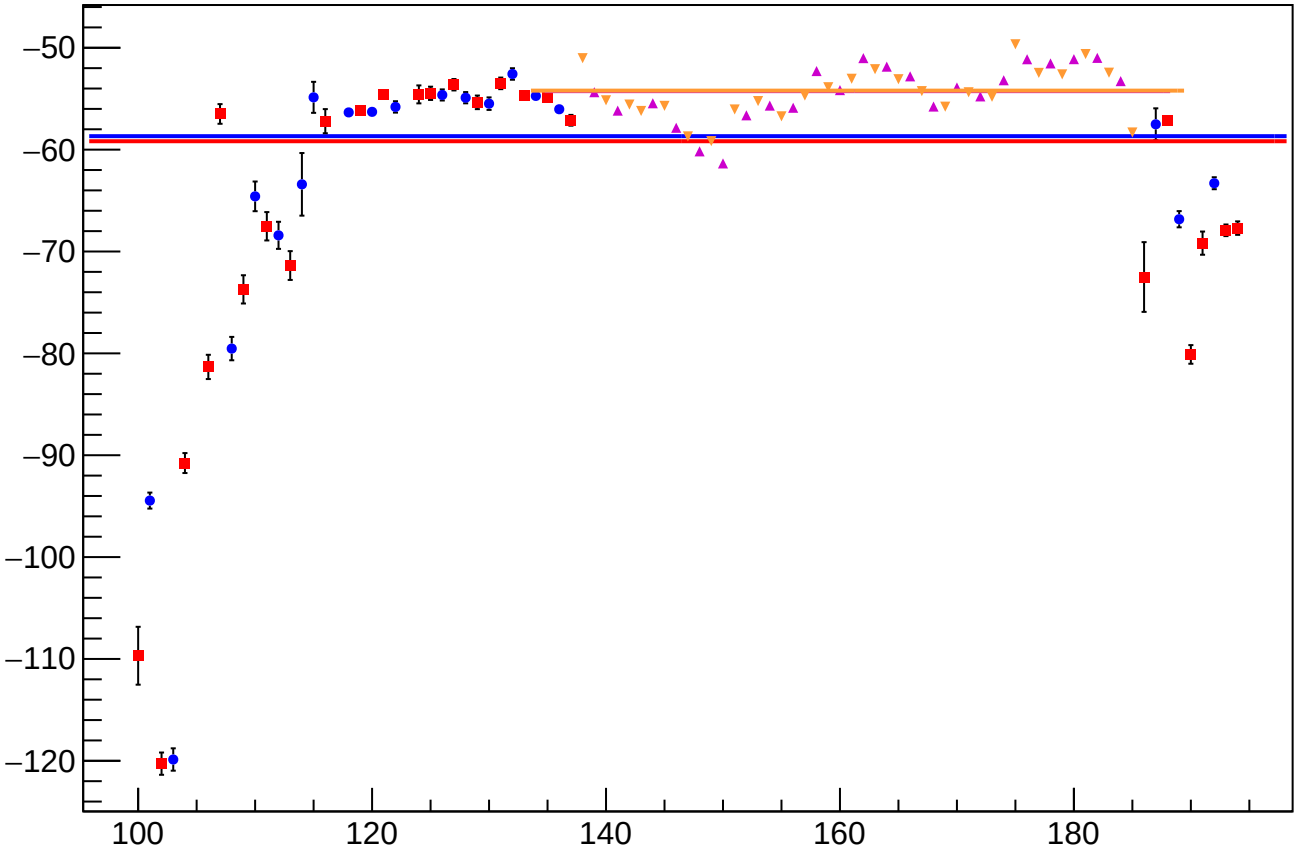
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.495+/-0.061 χ^2/NDF: 5586.1/43

All: -8.240+/-0.043 χ^2/NDF: 11449.8/91

- sign -7.981+/-0.062 χ^2/NDF: 5828.6/47

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: -59.175+/-0.125 χ^2/NDF: 6926.0/24

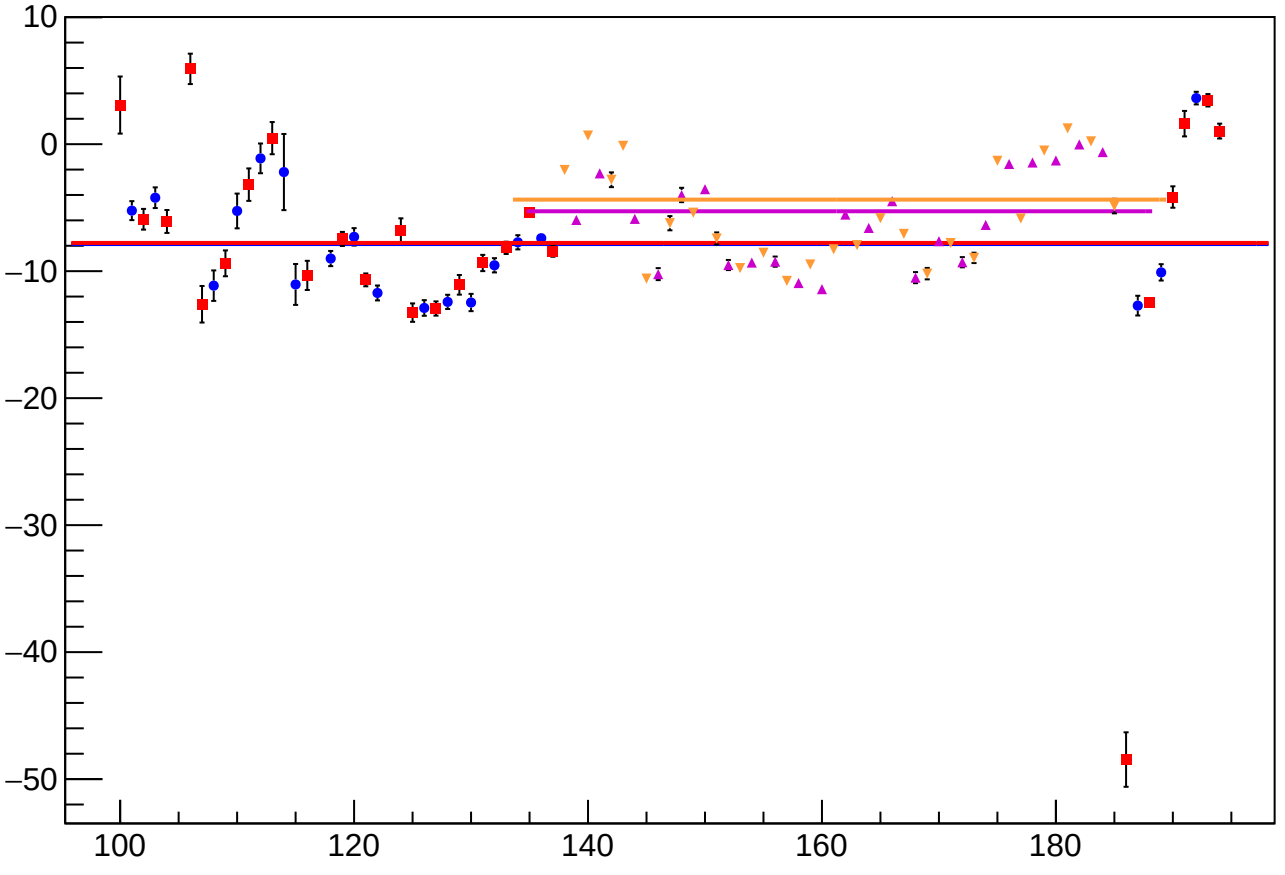
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -54.904+/-0.051 χ^2/NDF: 9164.2/43

All: -55.016+/-0.037 χ^2/NDF: 19858.9/91

- sign -55.135+/-0.053 χ^2/NDF: 10684.8/47

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: -7.777+/-0.122 χ^2/NDF: 2034.4/24

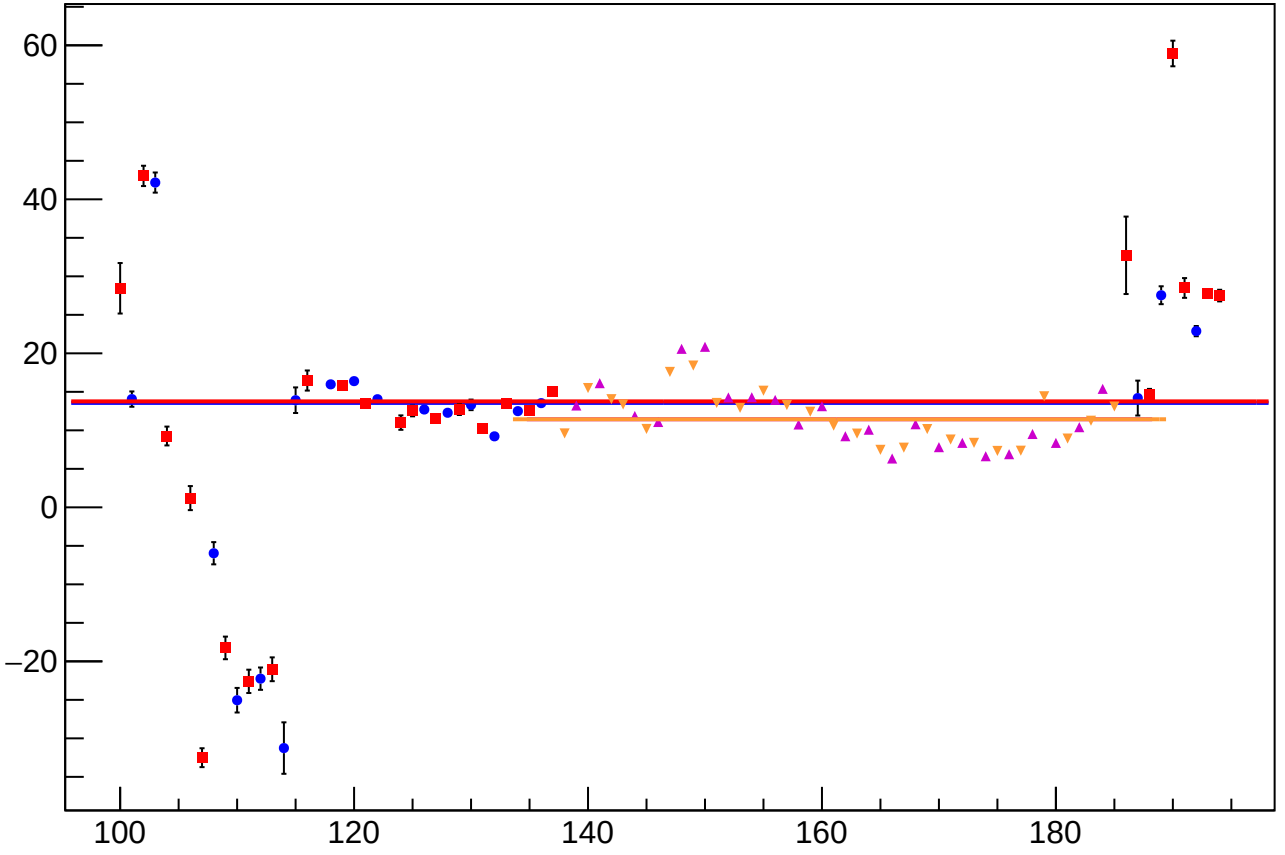
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -5.105+/-0.062 χ^2/NDF: 5147.9/43

All: -5.510+/-0.043 χ^2/NDF: 10330.3/91

- sign -5.913+/-0.061 χ^2/NDF: 5096.0/47

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: 13.760+/-0.143 χ^2/NDF: 5364.8/24

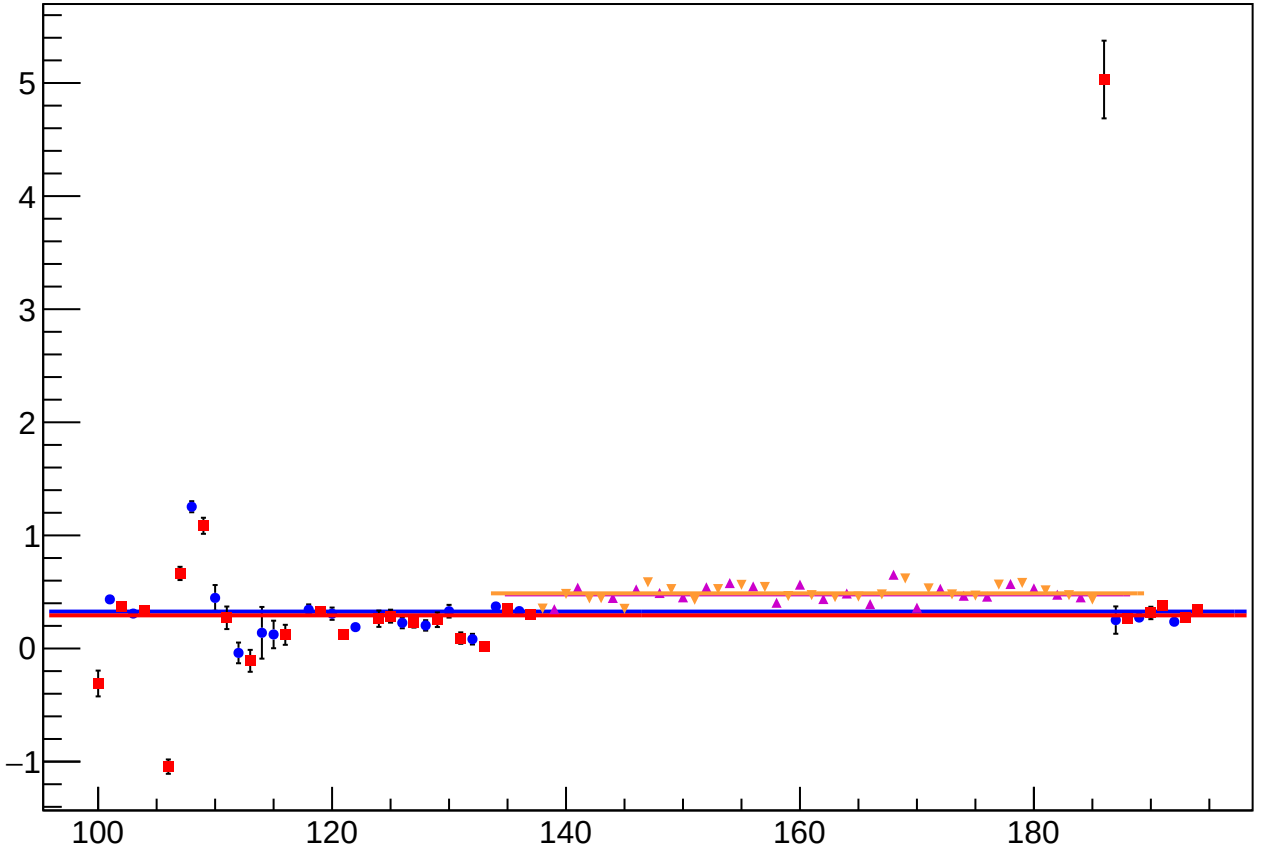
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 11.766+/-0.057 χ^2/NDF: 5109.4/43

All: 11.797+/-0.041 χ^2/NDF: 14051.7/91

\- sign 11.829+/-0.059 χ^2/NDF: 8941.7/47

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: 0.293+/-0.007 χ^2/NDF: 983.1/24

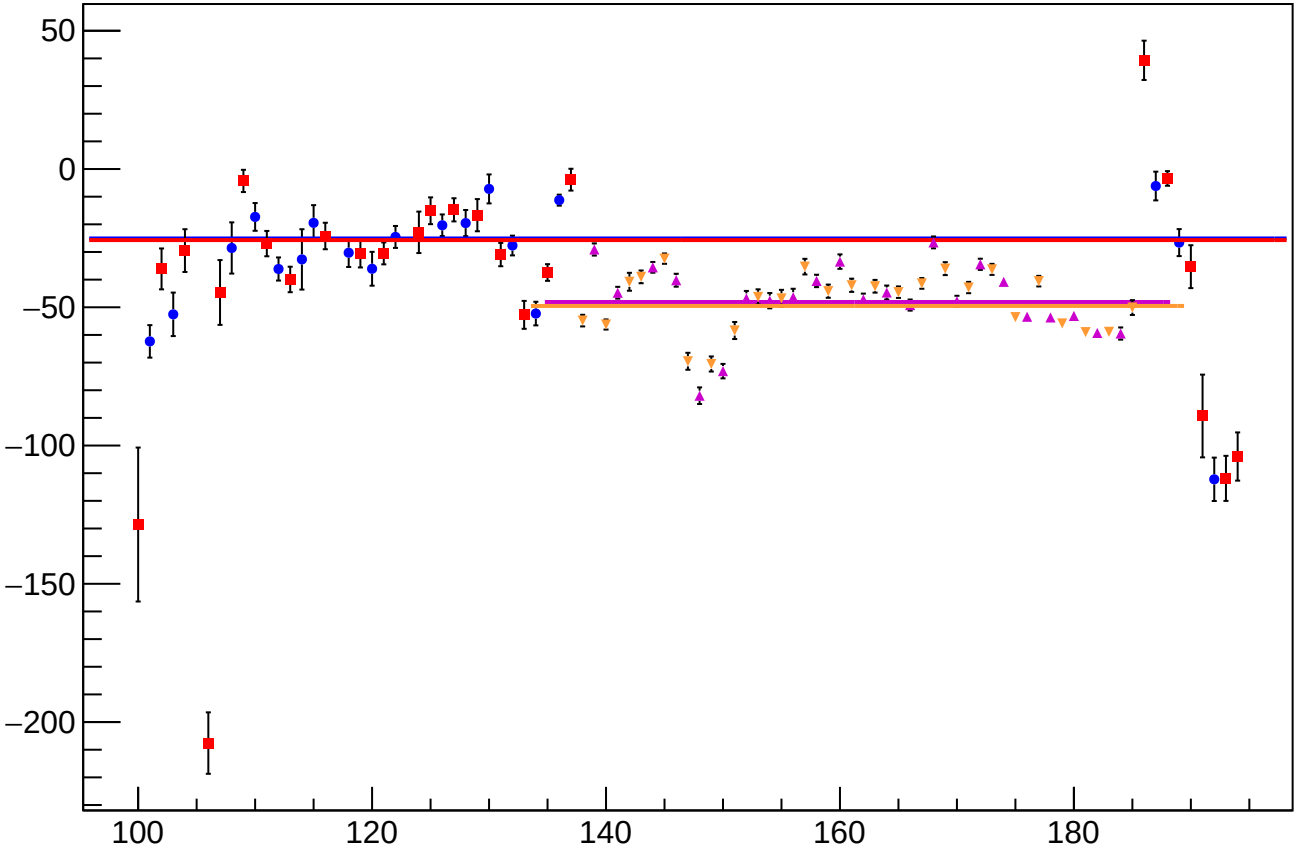
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.468+/-0.003 χ^2/NDF: 1431.5/43

All: 0.460+/-0.002 χ^2/NDF: 3842.7/91

- sign 0.453+/-0.003 χ^2/NDF: 2395.2/47

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: -25.698+/-1.007 χ^2/NDF: 784.0/24

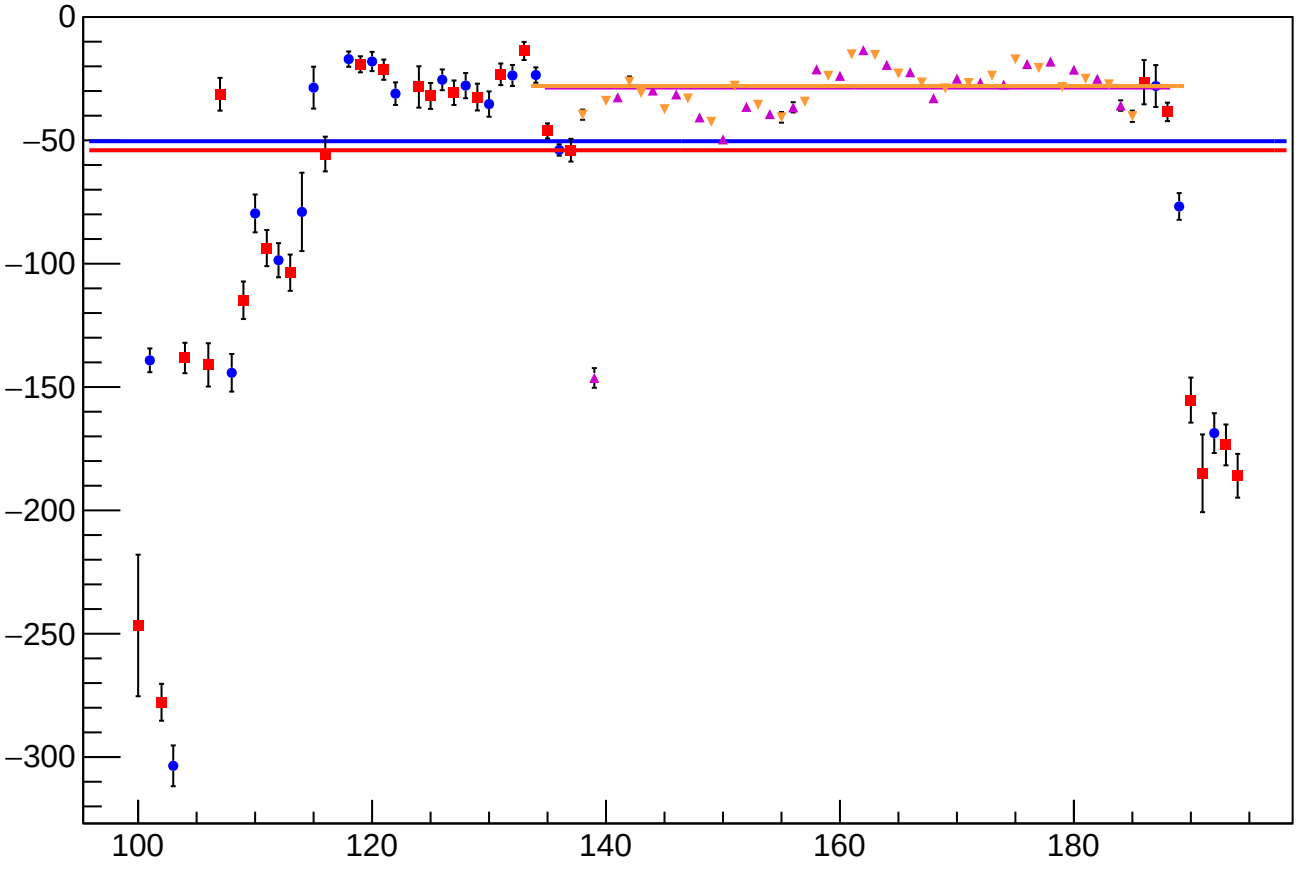
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.286+/-0.375 χ^2/NDF: 1371.3/43

All: -45.561+/-0.269 χ^2/NDF: 3290.6/91

- sign -44.790+/-0.386 χ^2/NDF: 1911.6/47

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: -54.018+/-1.090 χ^2/NDF: 2442.2/24

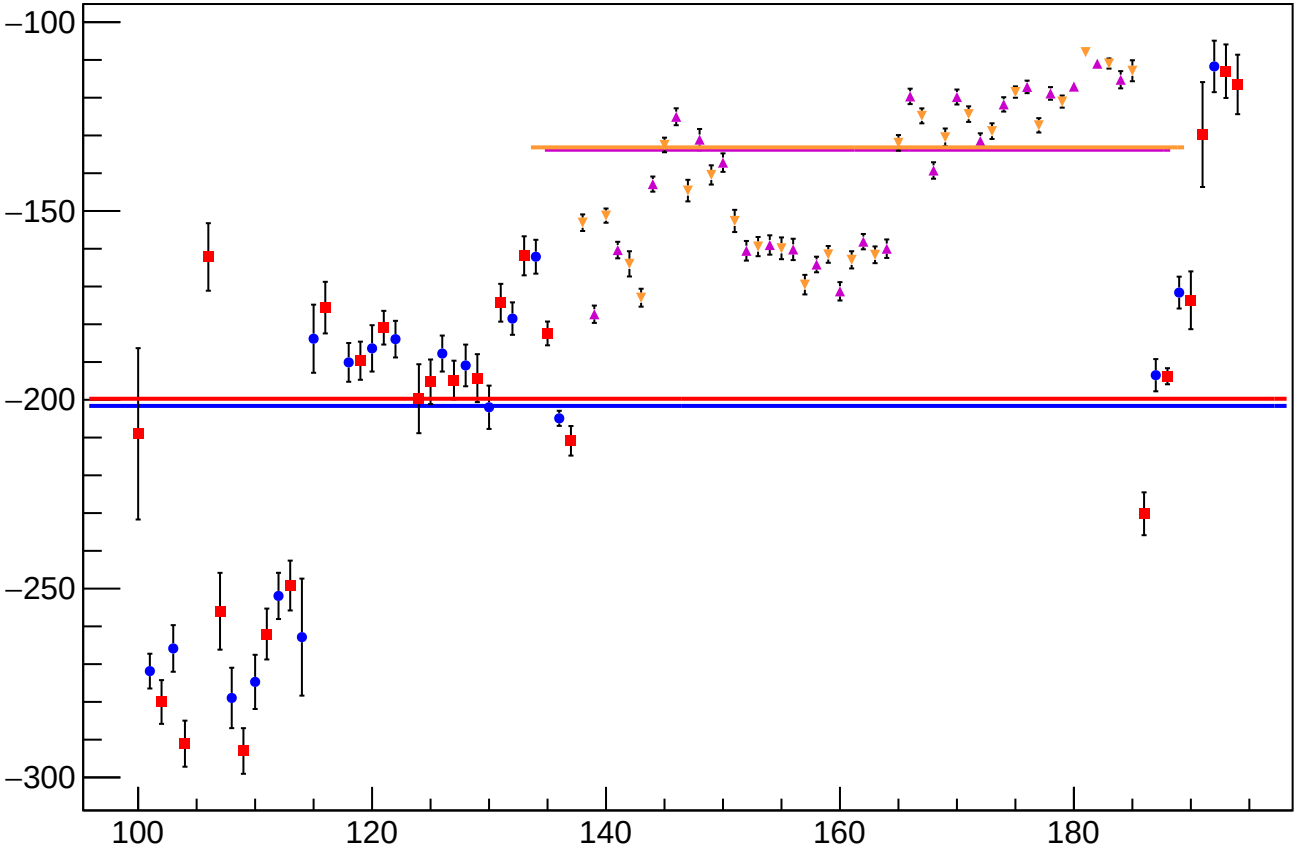
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

\+ sign -29.836+/-0.307 χ^2/NDF: 3032.4/43

All: -30.286+/-0.221 χ^2/NDF: 7457.5/91

\- sign -30.772+/-0.319 χ^2/NDF: 4420.6/47

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: -199.723+/-1.042 χ^2/NDF: 1334.1/24

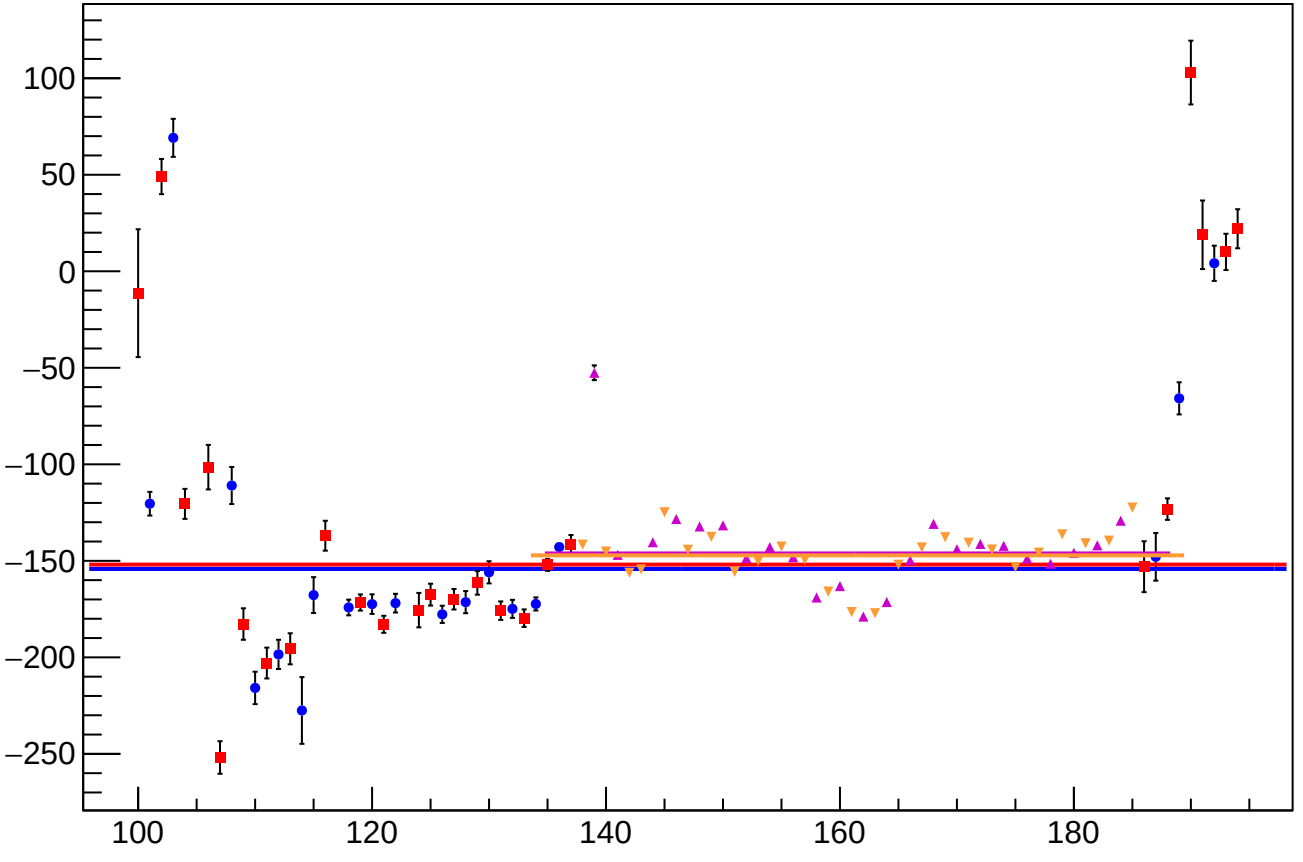
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.481+/-0.378 χ^2/NDF: 7041.6/43

All: -142.161+/-0.270 χ^2/NDF: 14274.1/91

- sign -142.876+/-0.387 χ^2/NDF: 7225.9/47

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: -151.953+/-1.254 χ^2/NDF: 1886.3/24

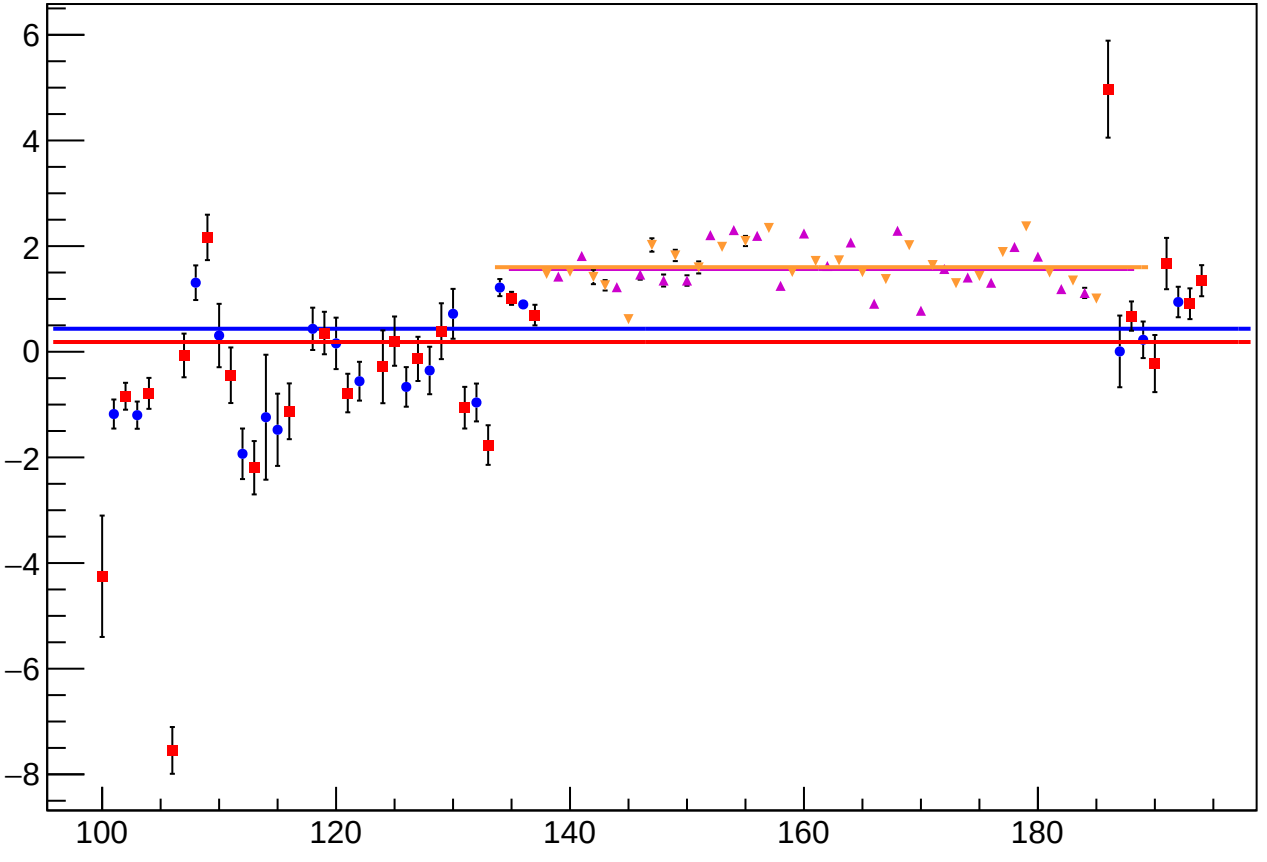
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -147.746+/-0.343 χ^2/NDF: 2523.3/43

All: -147.211+/-0.247 χ^2/NDF: 6227.9/91

- sign -146.638+/-0.355 χ^2/NDF: 3699.6/47

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: 0.185+/-0.065 χ^2/NDF: 558.1/24

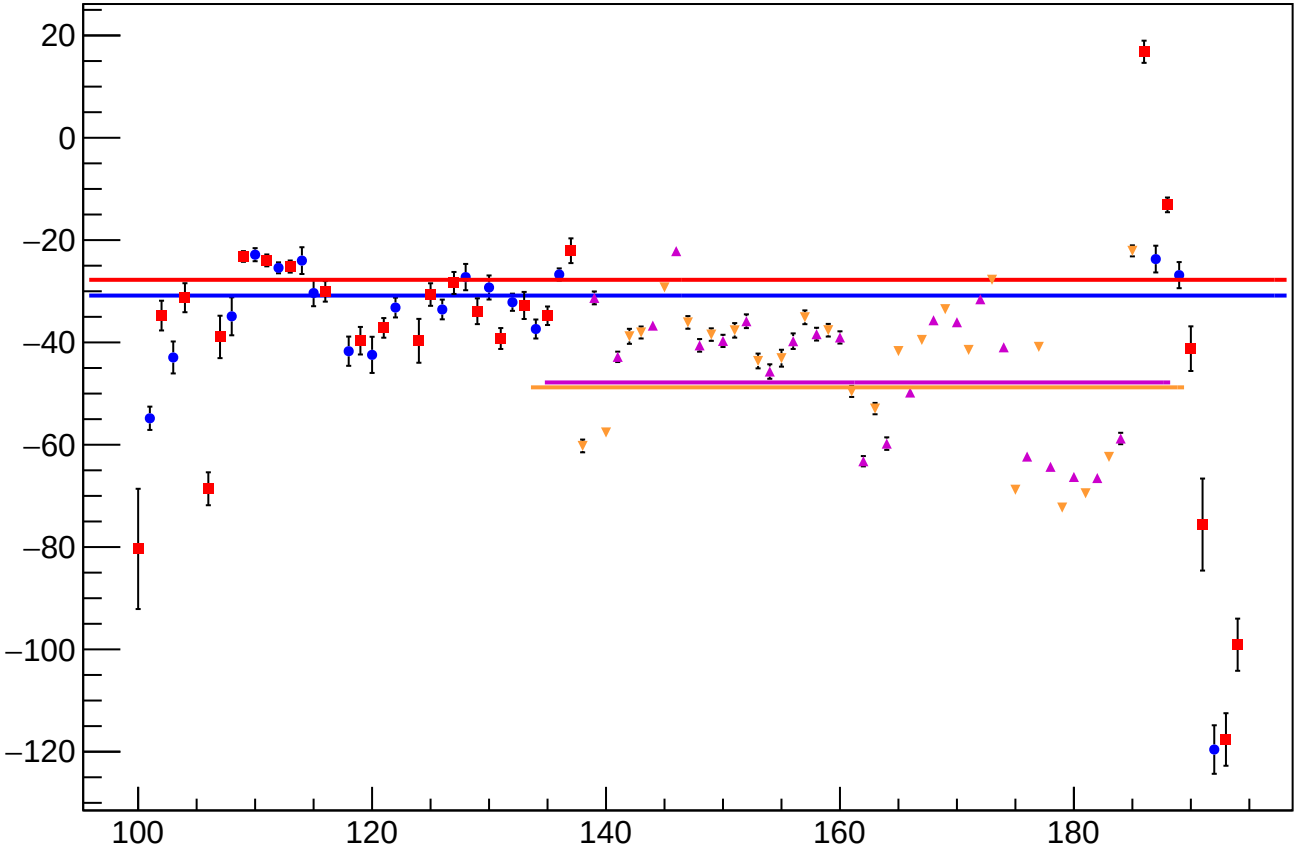
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

\+ sign 1.528+/-0.015 χ^2/NDF: 1115.1/43

All: 1.507+/-0.011 χ^2/NDF: 2837.2/91

\- sign 1.485+/-0.016 χ^2/NDF: 1718.3/47

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: -27.763+/-0.416 χ^2/NDF: 1412.0/24

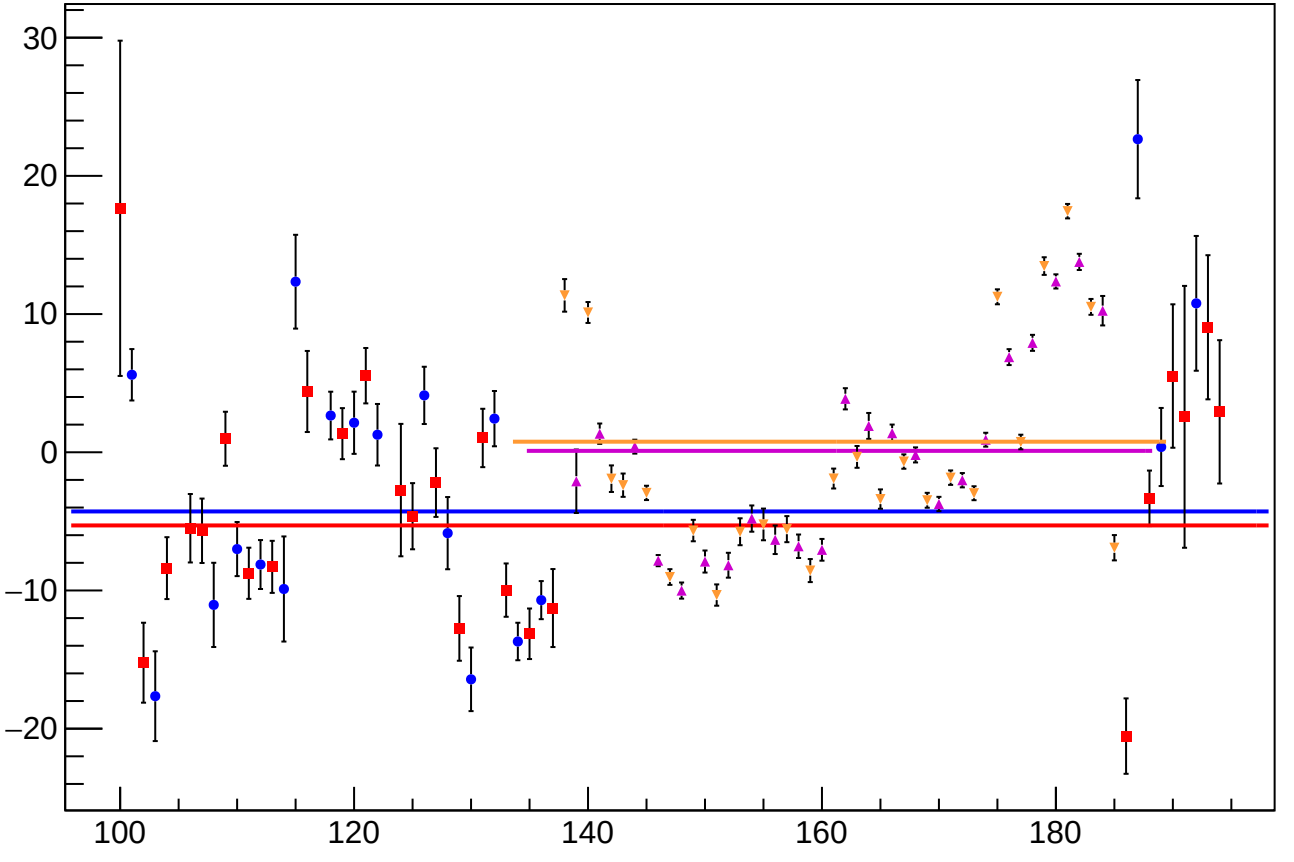
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.626+/-0.156 χ^2/NDF: 10959.9/43

All: -45.797+/-0.111 χ^2/NDF: 21640.0/91

- sign -44.958+/-0.157 χ^2/NDF: 10623.5/47

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: -5.294+/-0.491 χ^2/NDF: 183.8/24

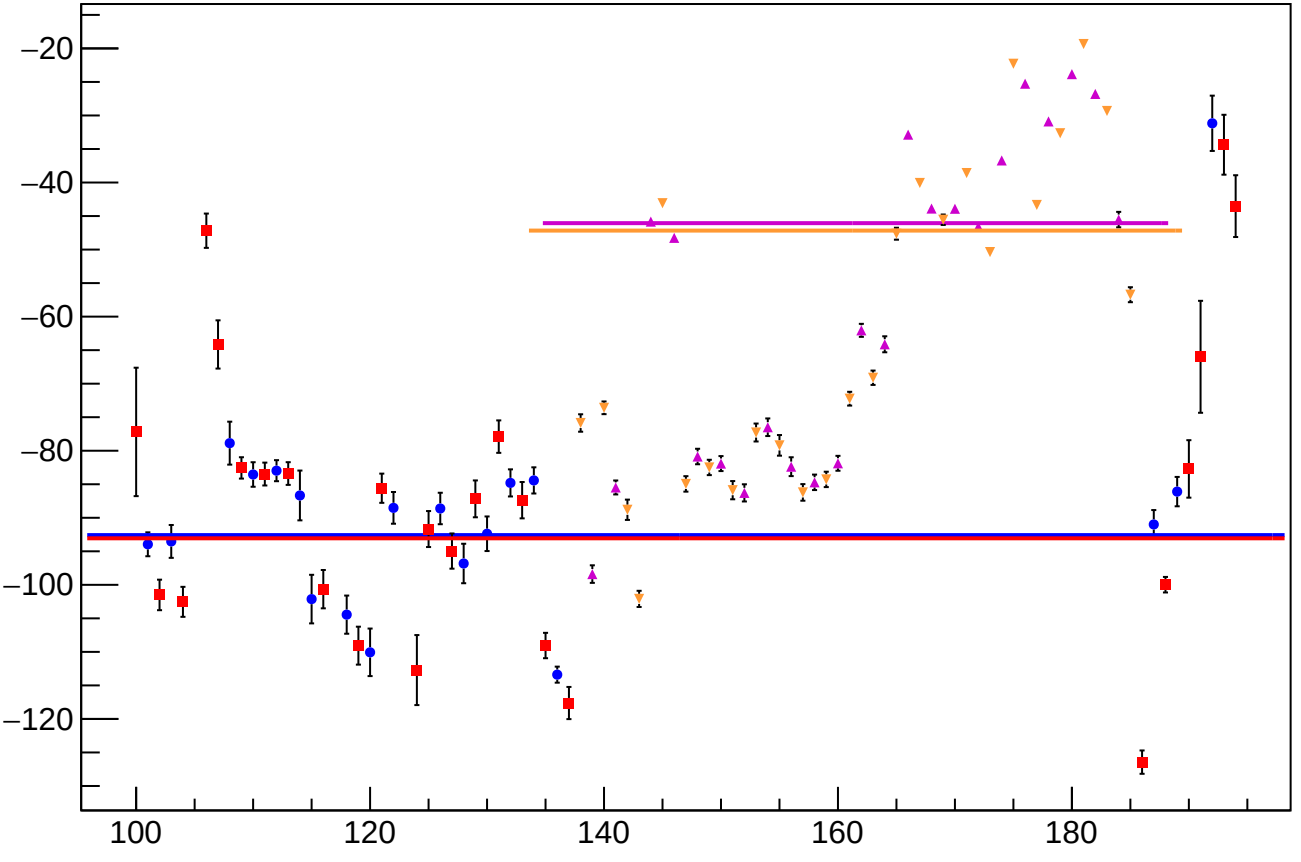
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.430+/-0.128 χ^2/NDF: 3855.2/43

All: 0.082+/-0.091 χ^2/NDF: 6888.1/91

- sign -0.267+/-0.128 χ^2/NDF: 3018.2/47

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: -93.062+/-0.465 χ^2/NDF: 1527.1/24

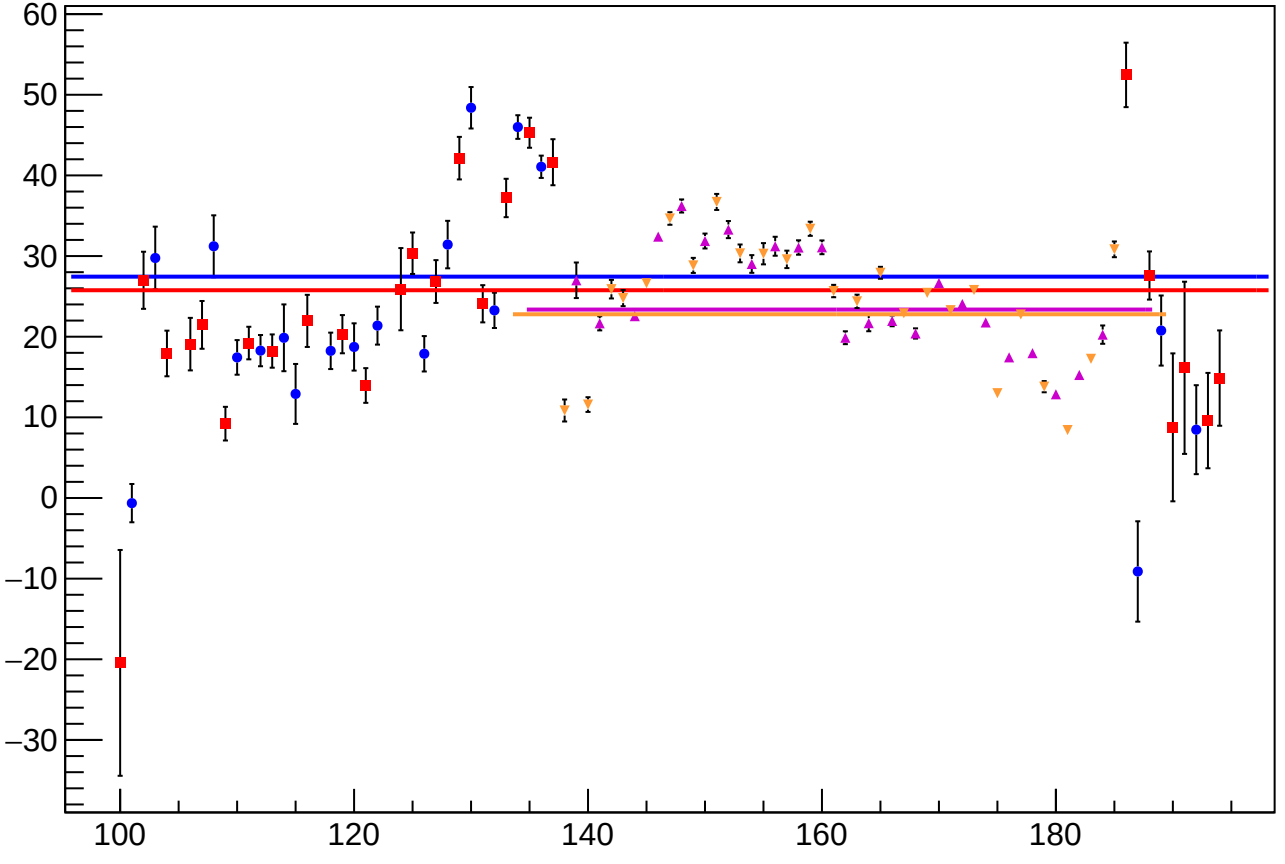
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -51.702+/-0.159 χ^2/NDF: 25701.3/43

All: -51.660+/-0.113 χ^2/NDF: 51024.9/91

- sign -51.618+/-0.160 χ^2/NDF: 25323.4/47

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: 25.761+/-0.566 χ^2/NDF: 415.0/24

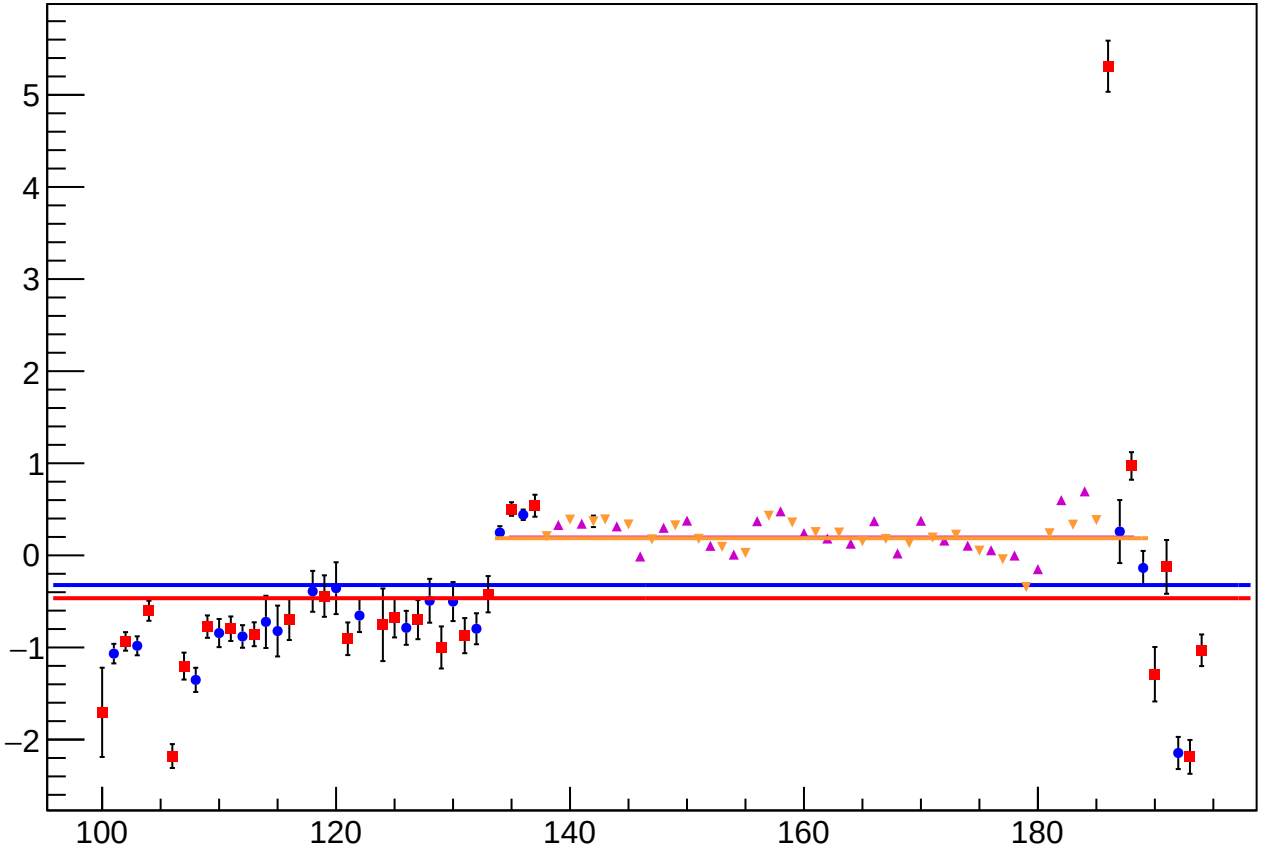
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.085+/-0.142 χ^2/NDF: 3111.1/43

All: 23.301+/-0.101 χ^2/NDF: 5332.8/91

- sign 23.521+/-0.144 χ^2/NDF: 2217.1/47

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: -0.465+/-0.031 χ^2/NDF: 1147.4/24

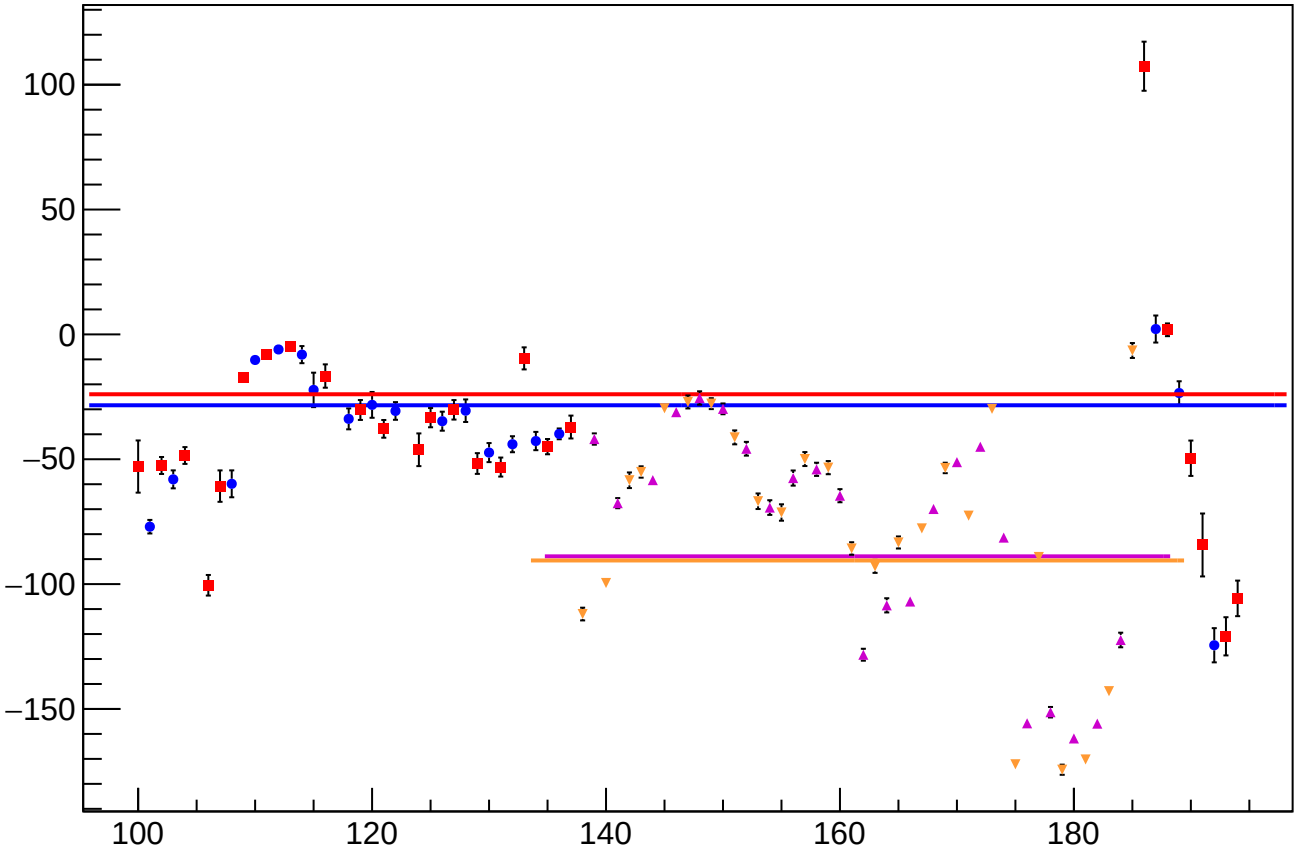
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.162+/-0.006 χ^2/NDF: 1496.6/43

All: 0.163+/-0.005 χ^2/NDF: 4025.3/91

- sign 0.163+/-0.007 χ^2/NDF: 2528.7/47

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: -23.973+/-0.632 χ^2/NDF: 1599.7/24

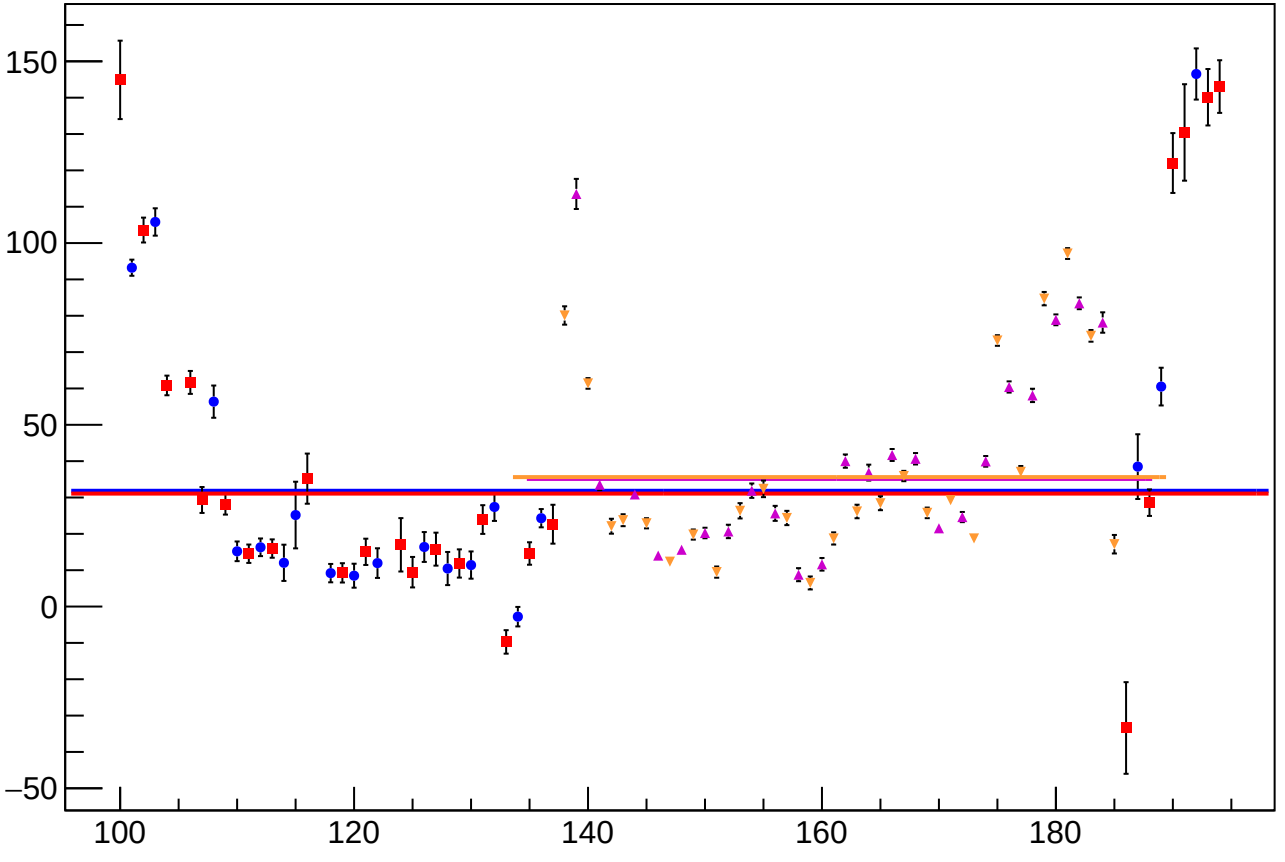
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -74.315+/-0.362 χ^2/NDF: 22162.7/43

All: -71.150+/-0.255 χ^2/NDF: 42891.7/91

- sign -68.057+/-0.358 χ^2/NDF: 20577.9/47

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: 31.074+/-0.764 χ^2/NDF: 1843.6/24

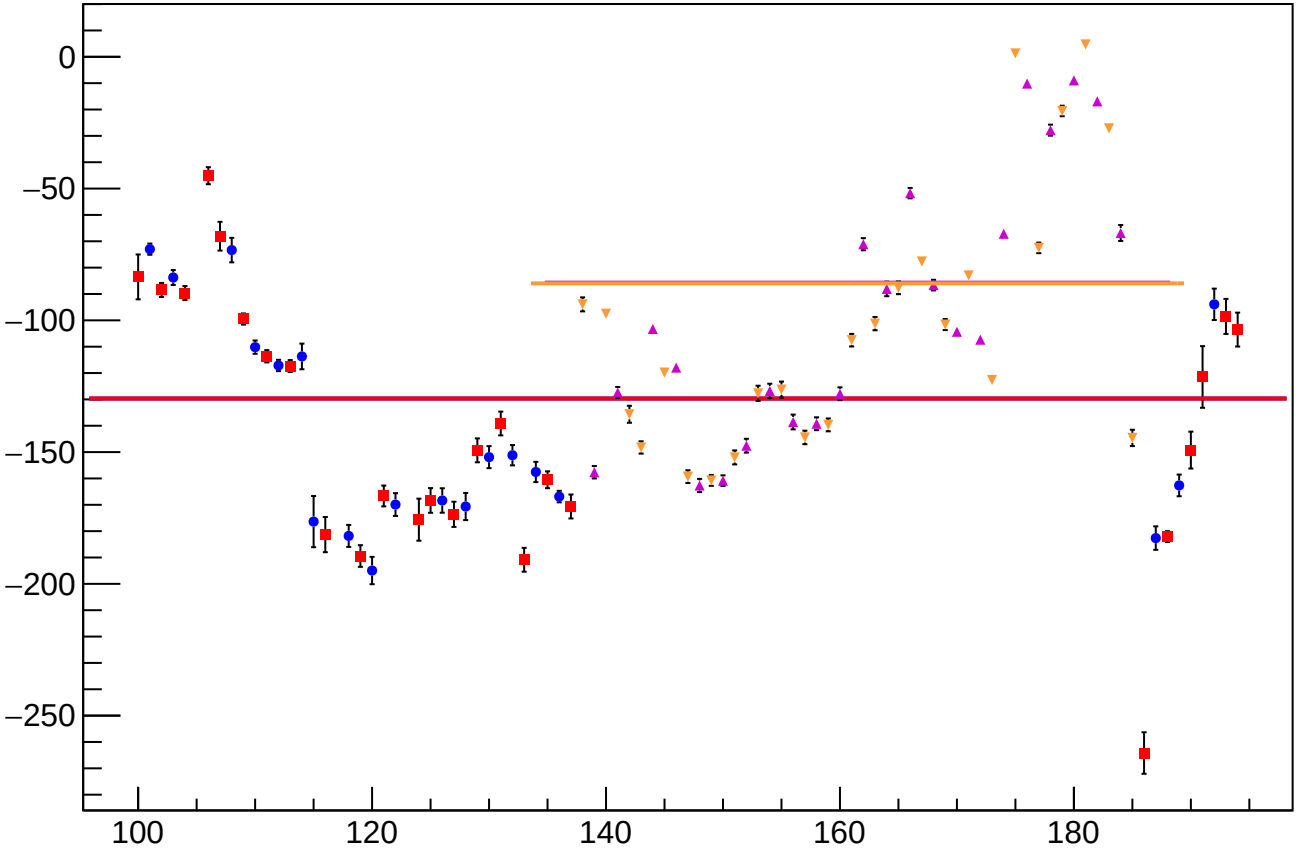
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 35.064+/-0.301 χ^2/NDF: 7962.2/43

All: 34.767+/-0.215 χ^2/NDF: 13975.6/91

- sign 34.457+/-0.308 χ^2/NDF: 6011.4/47

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: -129.669+/-0.726 χ^2/NDF: 3496.7/24

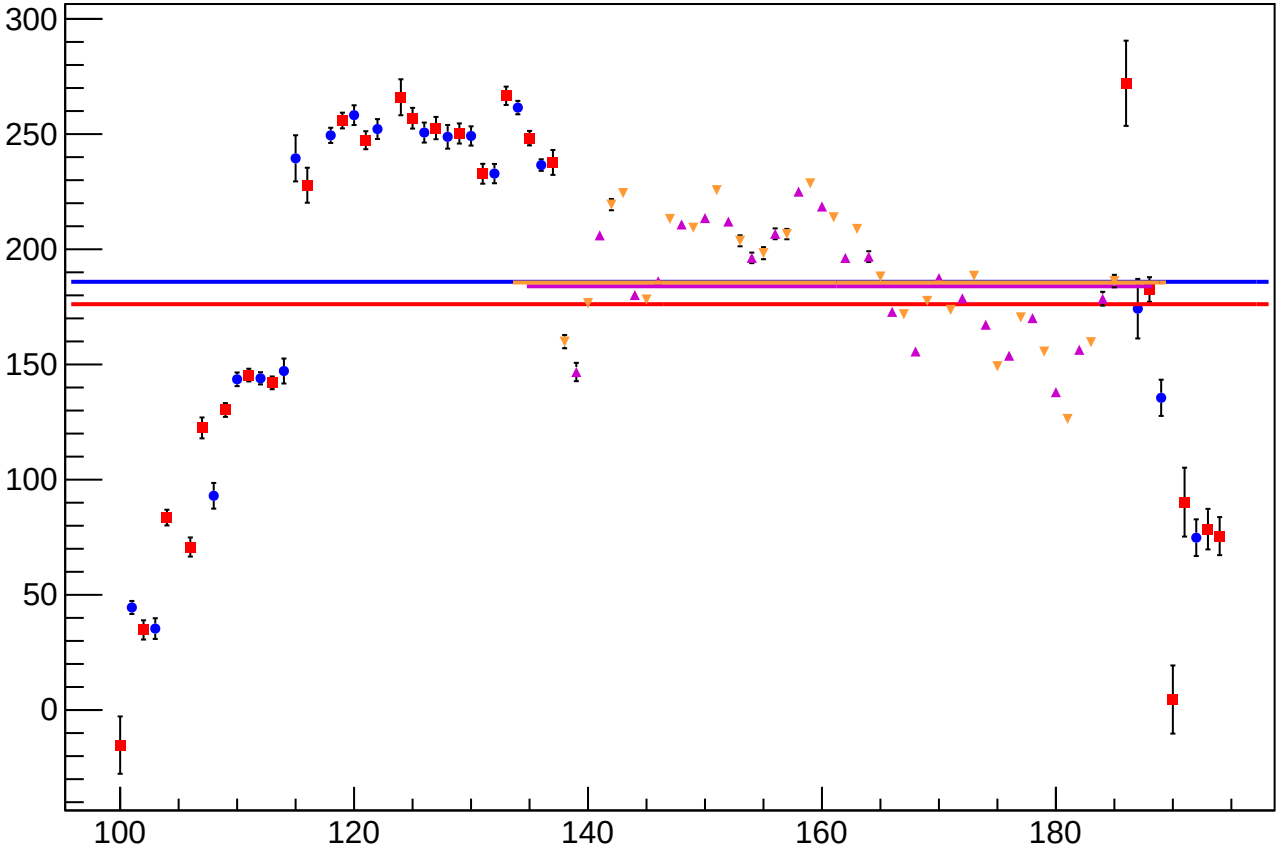
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -95.578+/-0.372 χ^2/NDF: 21033.0/43

All: -96.399+/-0.263 χ^2/NDF: 41004.6/91

- sign -97.219+/-0.372 χ^2/NDF: 19961.9/47

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: 176.165+/-0.881 χ^2/NDF: 7145.9/24

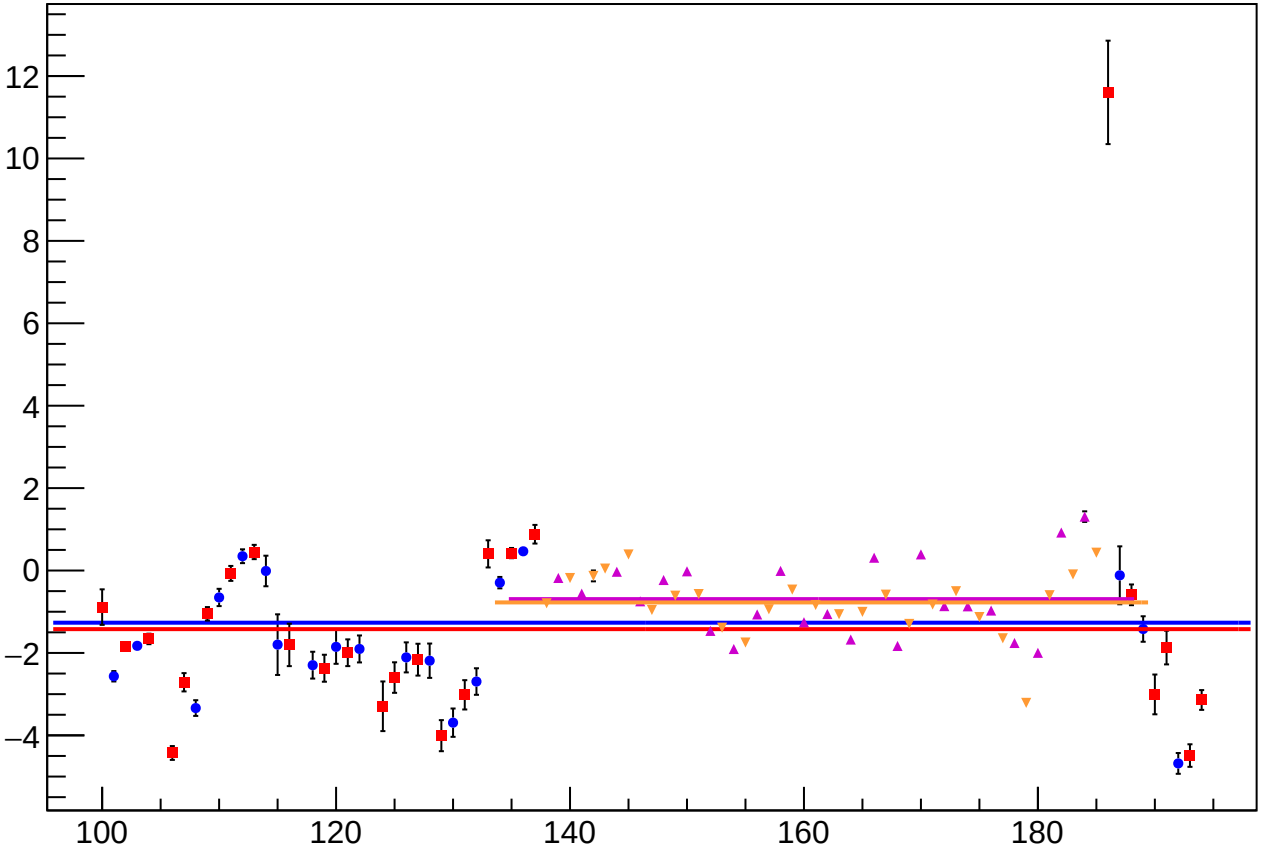
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

\+ sign 185.626+/-0.340 χ^2/NDF: 12715.6/43

All: 184.211+/-0.243 χ^2/NDF: 23836.3/91

\- sign 182.734+/-0.347 χ^2/NDF: 11085.2/47

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: -1.422+/-0.045 χ^2/NDF: 1313.7/24

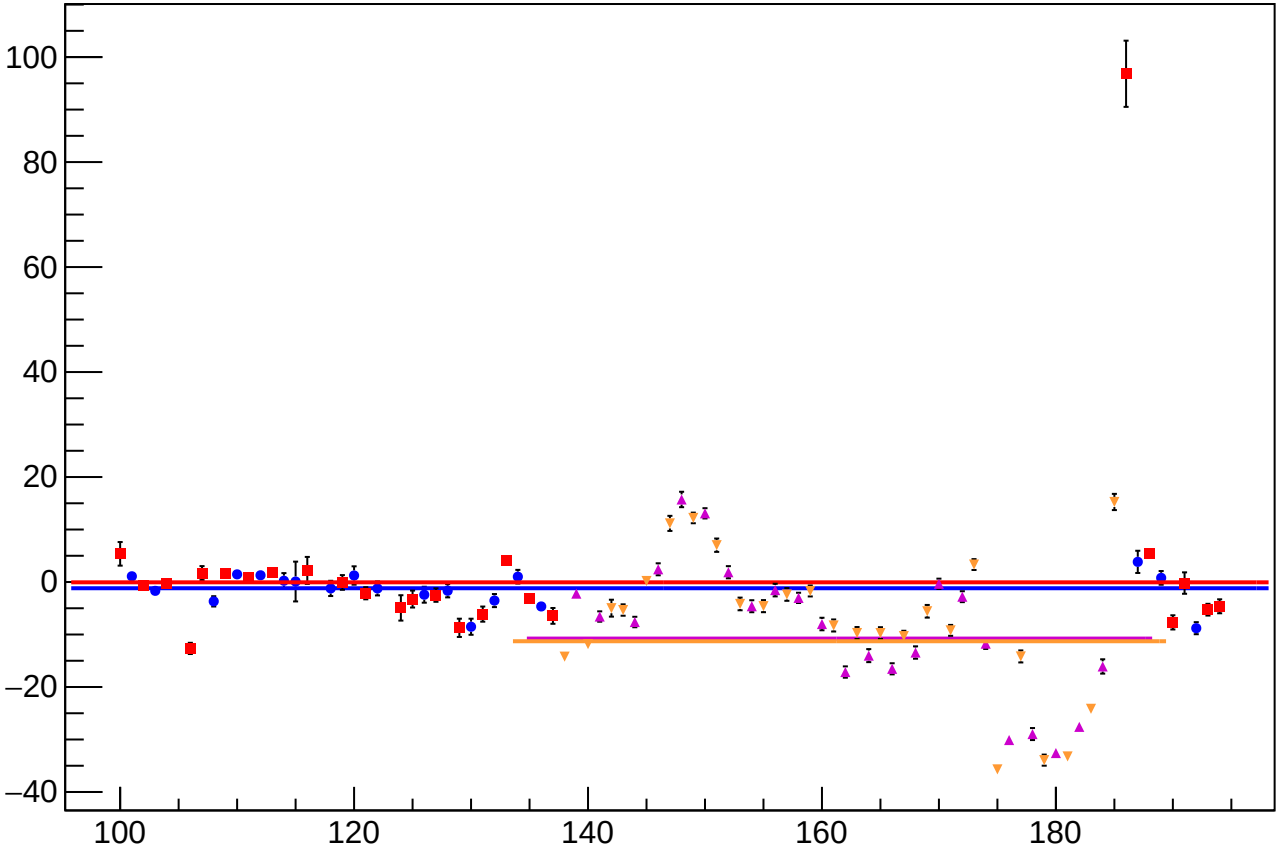
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.829+/-0.015 χ^2/NDF: 2902.6/43

All: -0.807+/-0.011 χ^2/NDF: 7019.1/91

- sign -0.784+/-0.016 χ^2/NDF: 4112.4/47

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: -0.059+/-0.201 χ^2/NDF: 665.2/24

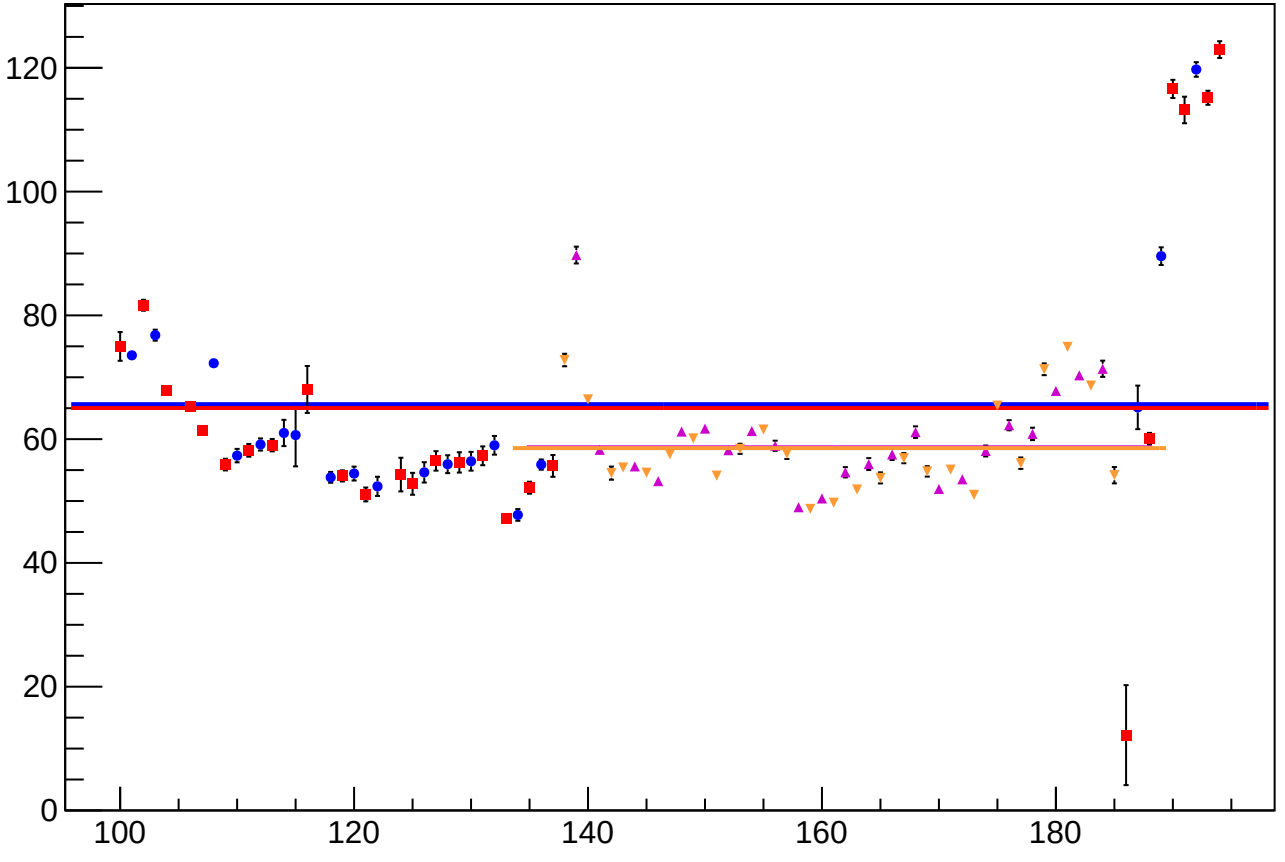
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -6.980+/-0.158 χ^2/NDF: 5660.4/43

All: -5.968+/-0.107 χ^2/NDF: 11439.2/91

- sign -5.095+/-0.146 χ^2/NDF: 5701.8/47

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: 65.033+/-0.224 χ^2/NDF: 7562.9/24

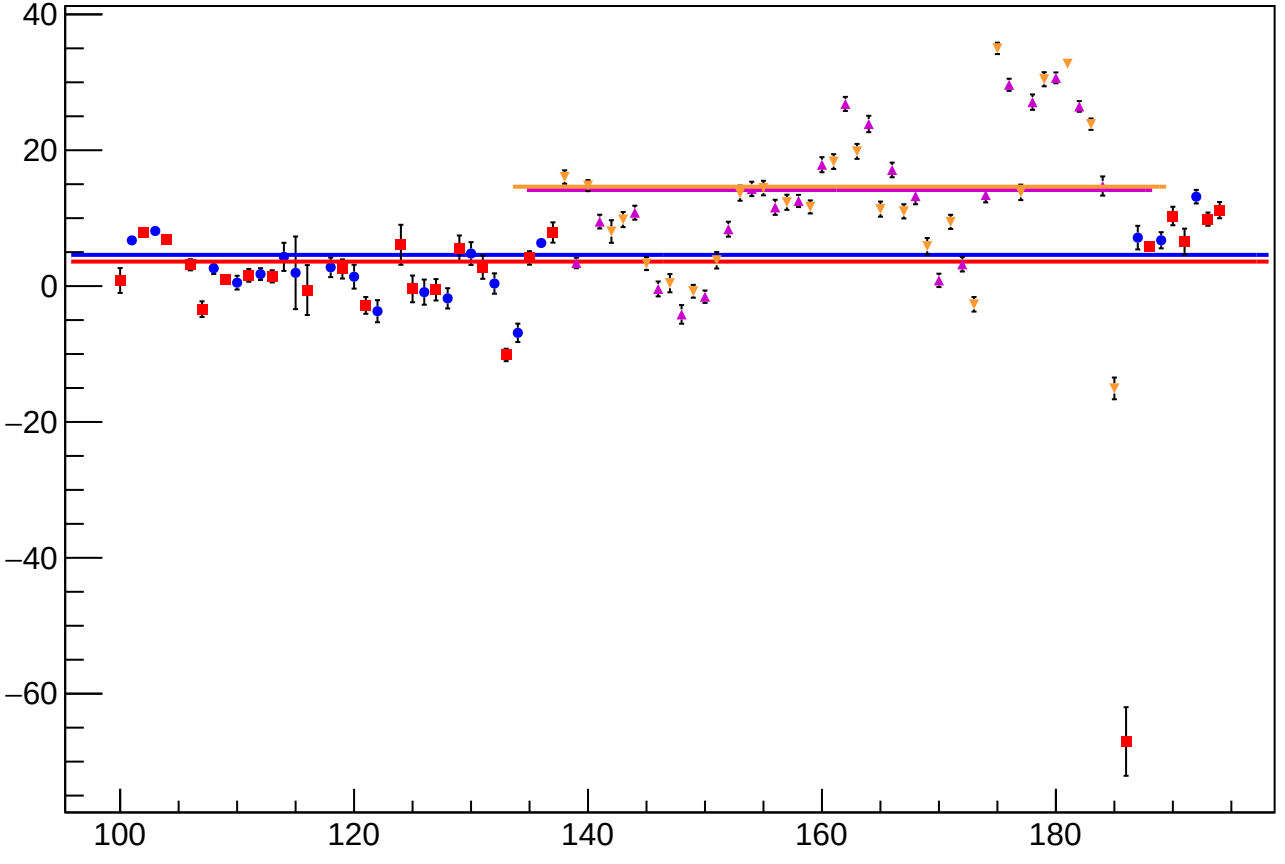
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 60.588+/-0.136 χ^2/NDF: 6321.9/43

All: 60.785+/-0.096 χ^2/NDF: 16017.5/91

- sign 60.977+/-0.135 χ^2/NDF: 9691.4/47

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: 3.606+/-0.208 χ^2/NDF: 724.4/24

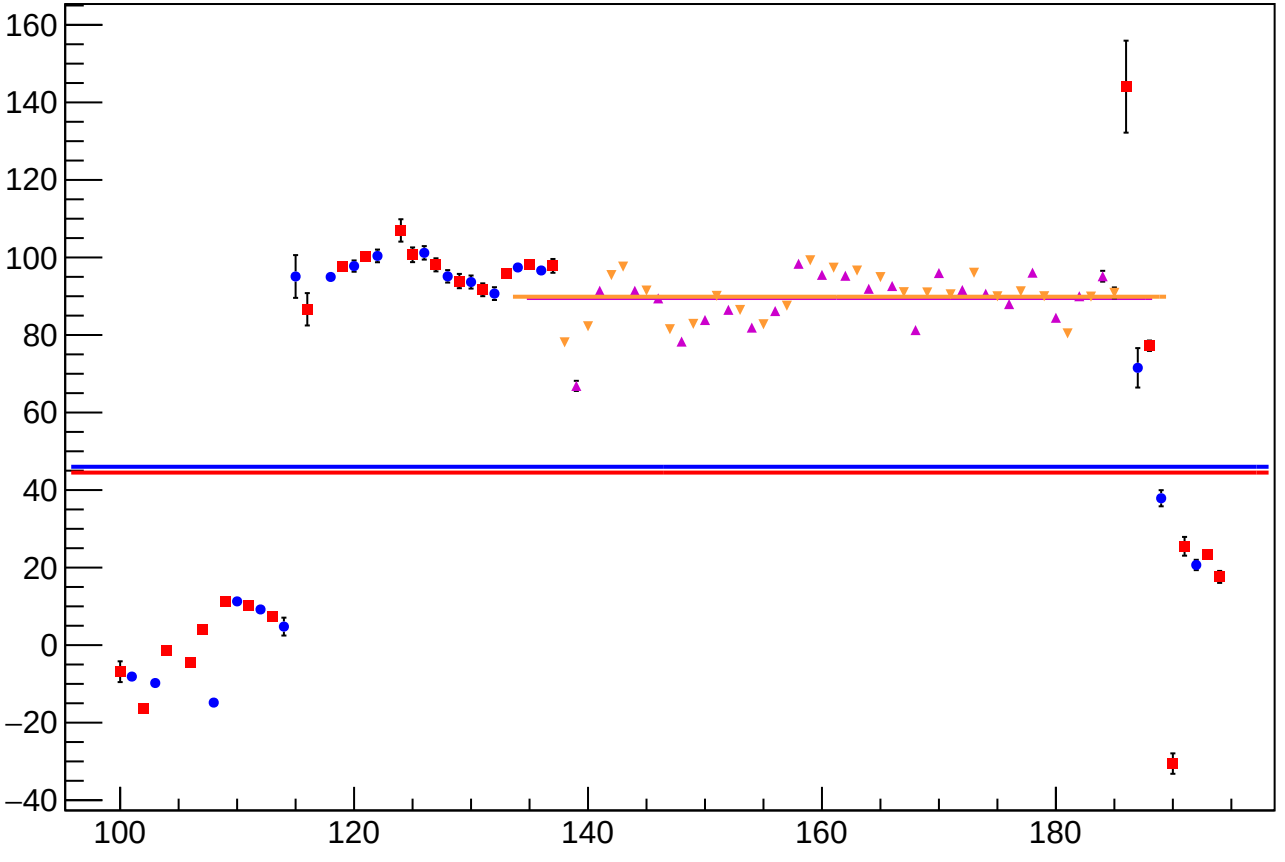
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.522+/-0.159 χ^2/NDF: 4224.1/43

All: 9.603+/-0.108 χ^2/NDF: 8814.3/91

- sign 8.801+/-0.148 χ^2/NDF: 4527.6/47

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: 44.506+/-0.265 χ^2/NDF: 31037.9/24

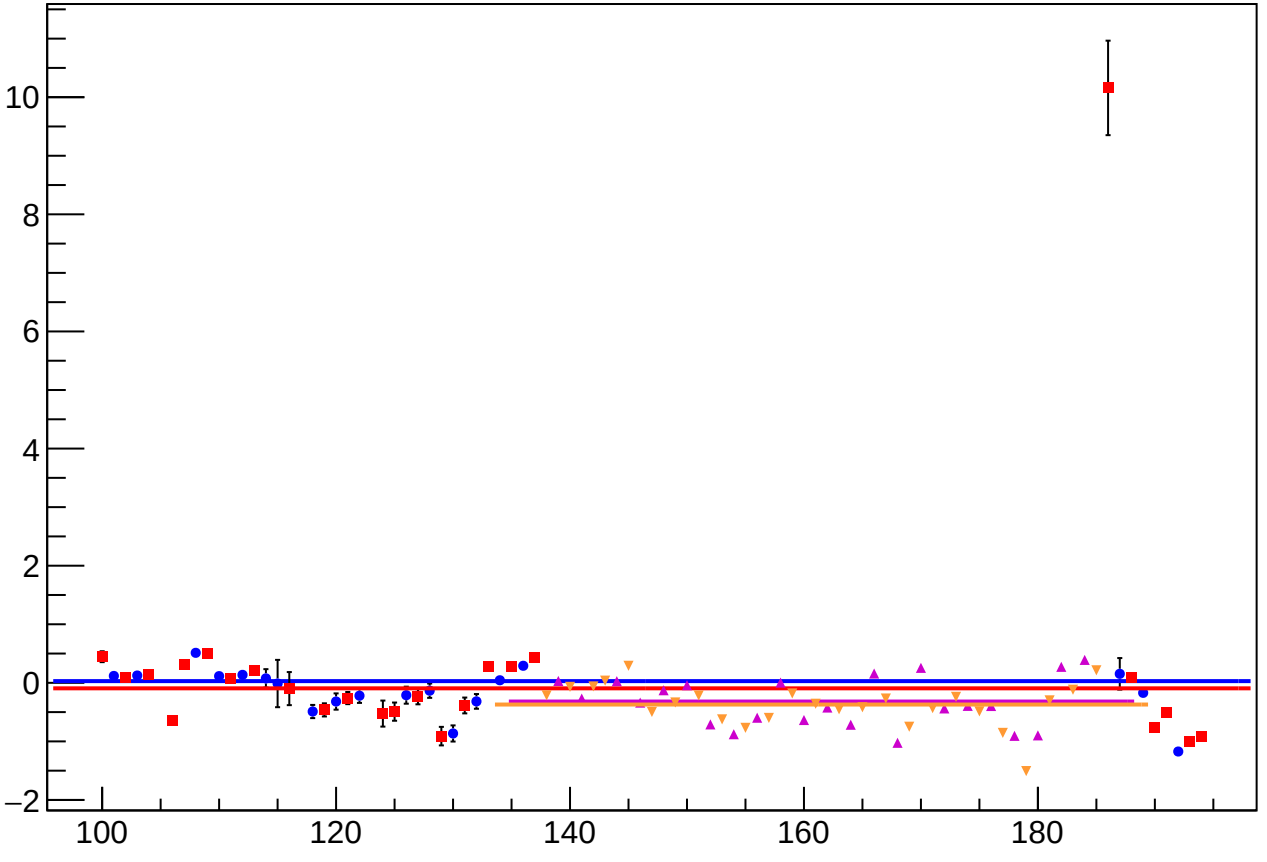
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 77.969+/-0.155 χ^2/NDF: 44313.3/43

All: 76.217+/-0.109 χ^2/NDF: 95964.8/91

- sign 74.498+/-0.153 χ^2/NDF: 51396.9/47

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: -0.094+/-0.012 χ^2/NDF: 1880.9/24

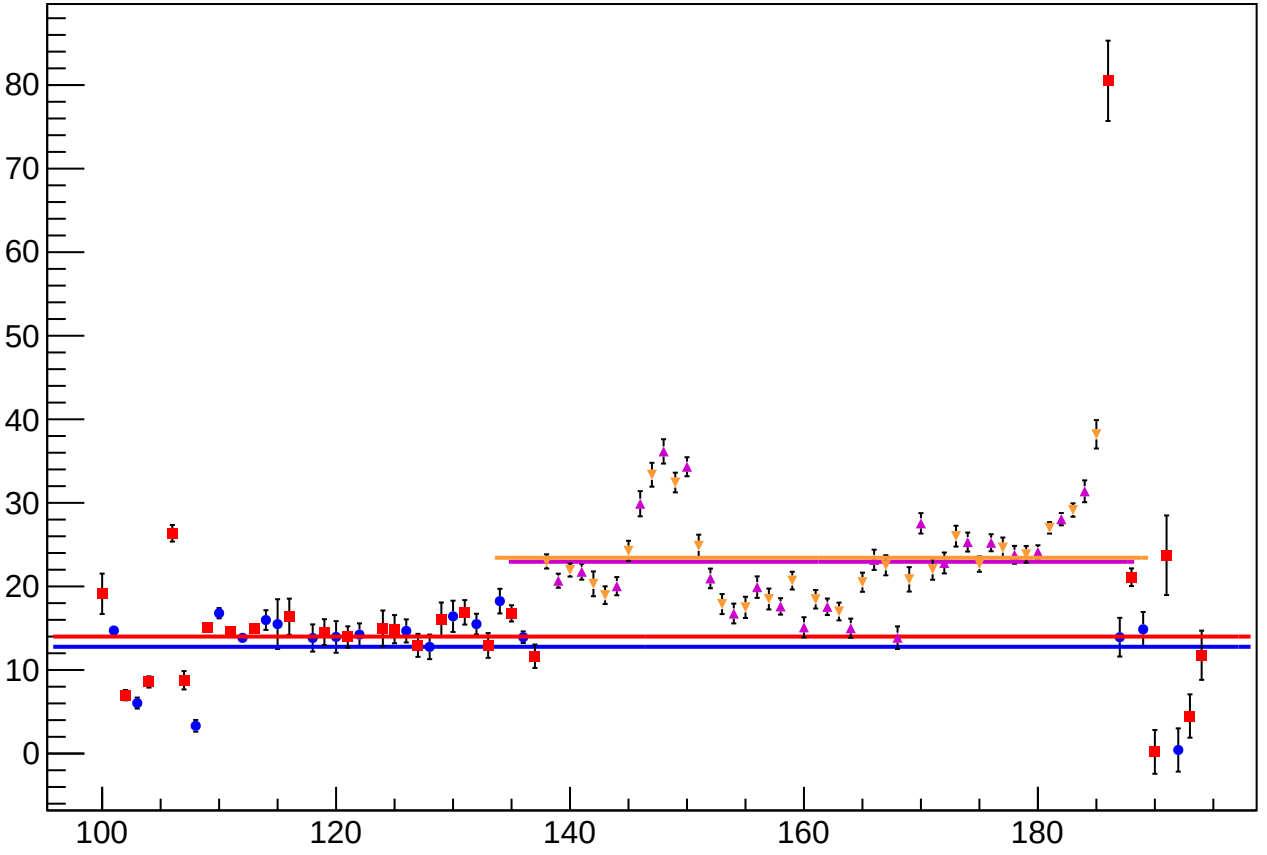
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.262+/-0.007 χ^2/NDF: 3631.3/43

All: -0.254+/-0.005 χ^2/NDF: 8206.8/91

- sign -0.246+/-0.007 χ^2/NDF: 4572.8/47

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: 13.998+/-0.198 χ^2/NDF: 687.8/24

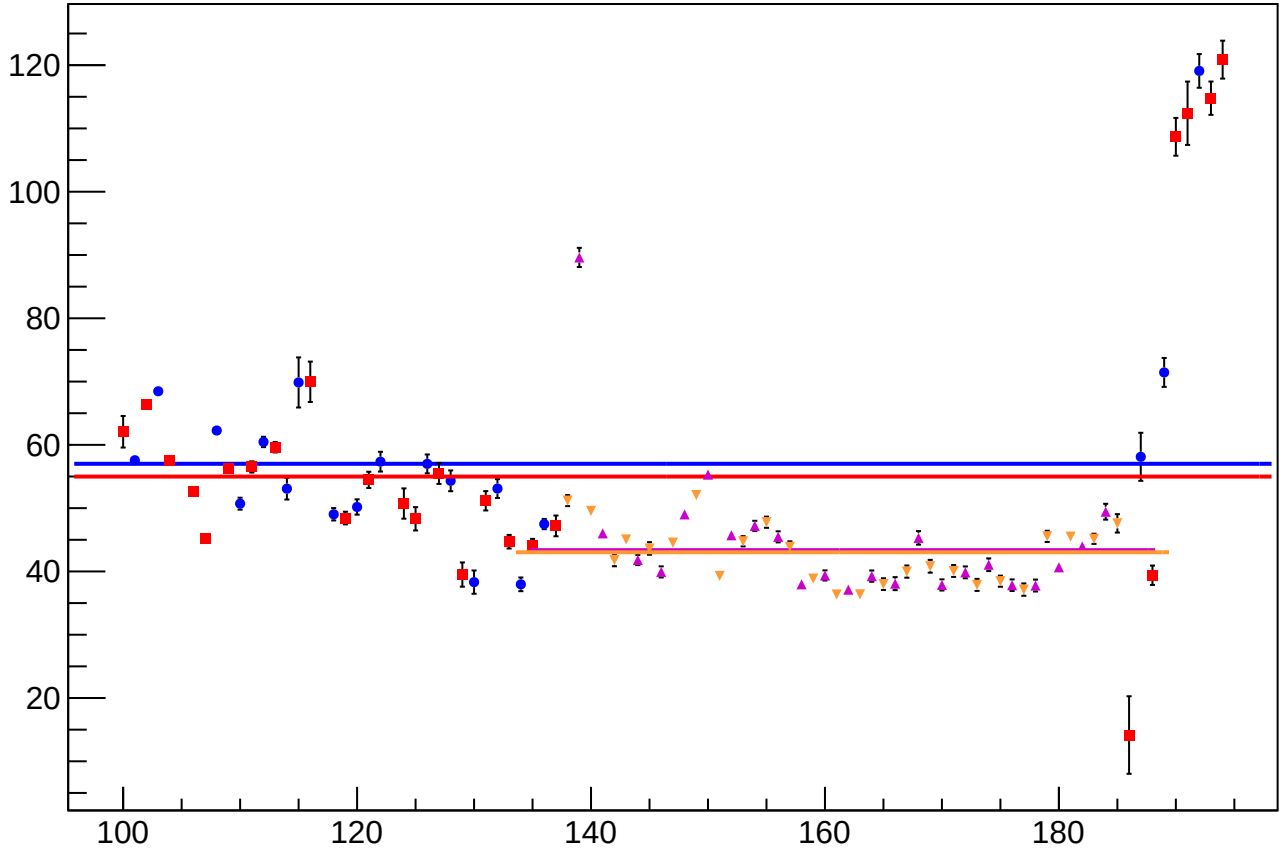
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.990+/-0.151 χ^2/NDF: 2084.4/43

All: 17.948+/-0.106 χ^2/NDF: 4226.0/91

- sign 17.908+/-0.149 χ^2/NDF: 2141.4/47

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: 54.990+/-0.220 χ^2/NDF: 2622.2/24

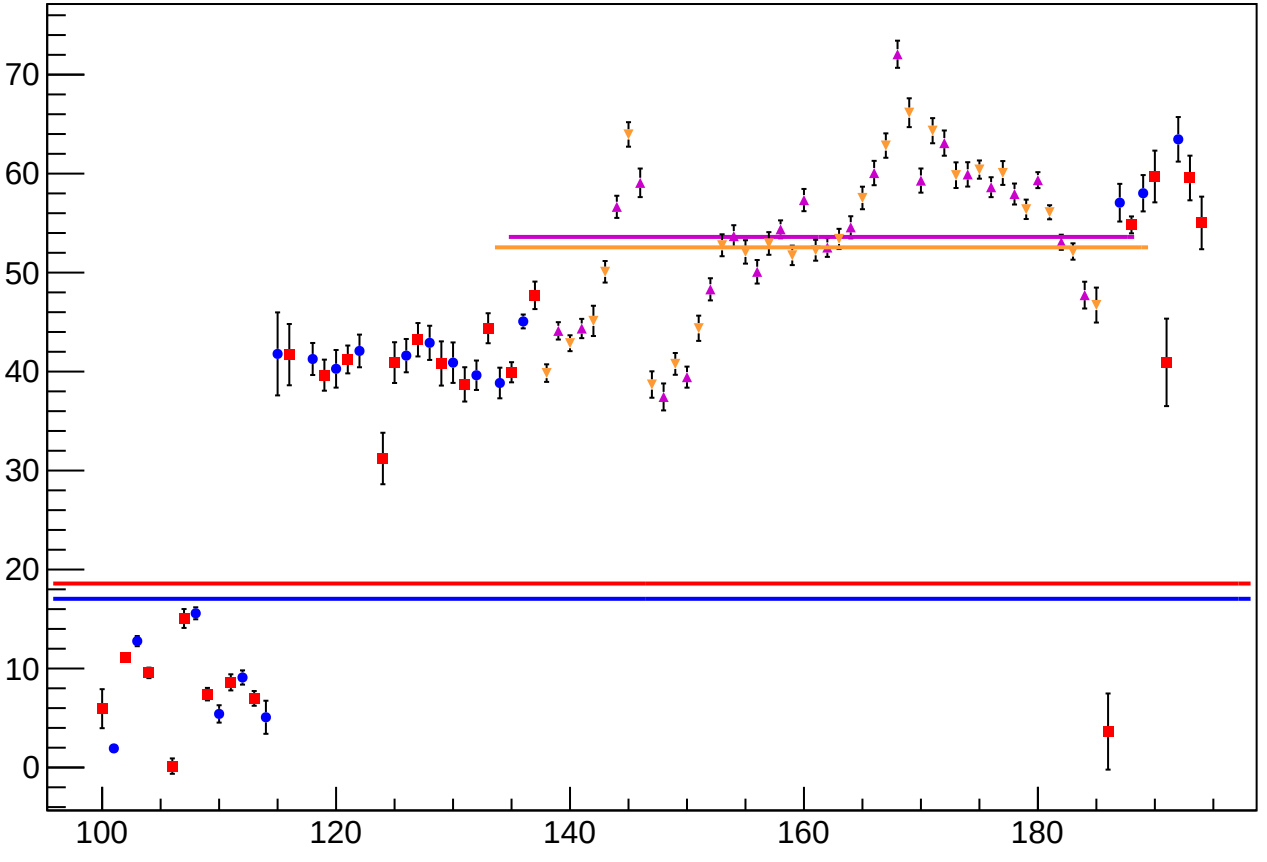
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 48.161+/-0.133 χ^2/NDF: 5023.3/43

All: 48.053+/-0.096 χ^2/NDF: 11027.5/91

- sign 47.937+/-0.138 χ^2/NDF: 6002.9/47

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: 18.585+/-0.209 χ^2/NDF: 6706.3/24

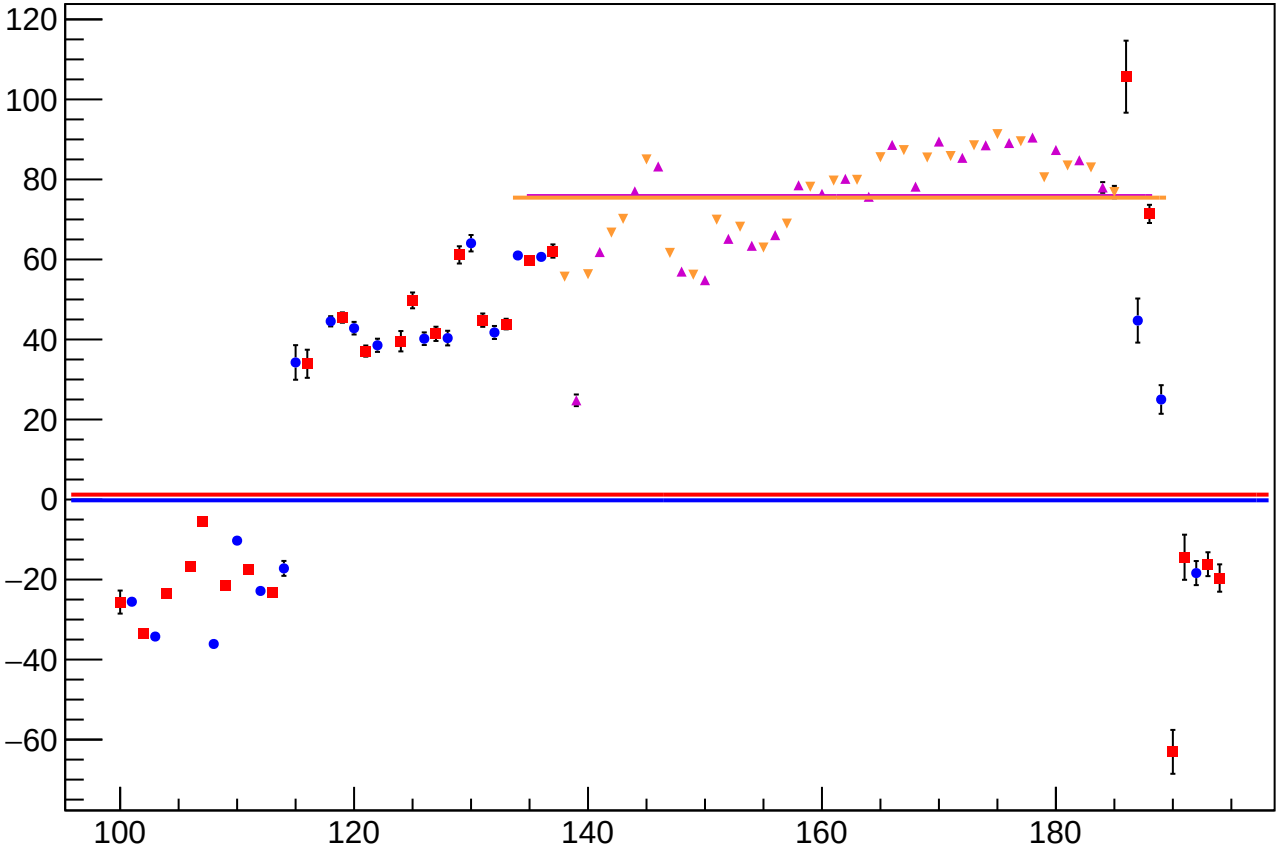
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

\+ sign 34.440+/-0.150 χ^2/NDF: 21740.8/43

All: 34.718+/-0.107 χ^2/NDF: 42579.6/91

\- sign 35.006+/-0.153 χ^2/NDF: 20831.9/47

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: 1.225+/-0.259 χ^2/NDF: 17338.5/24

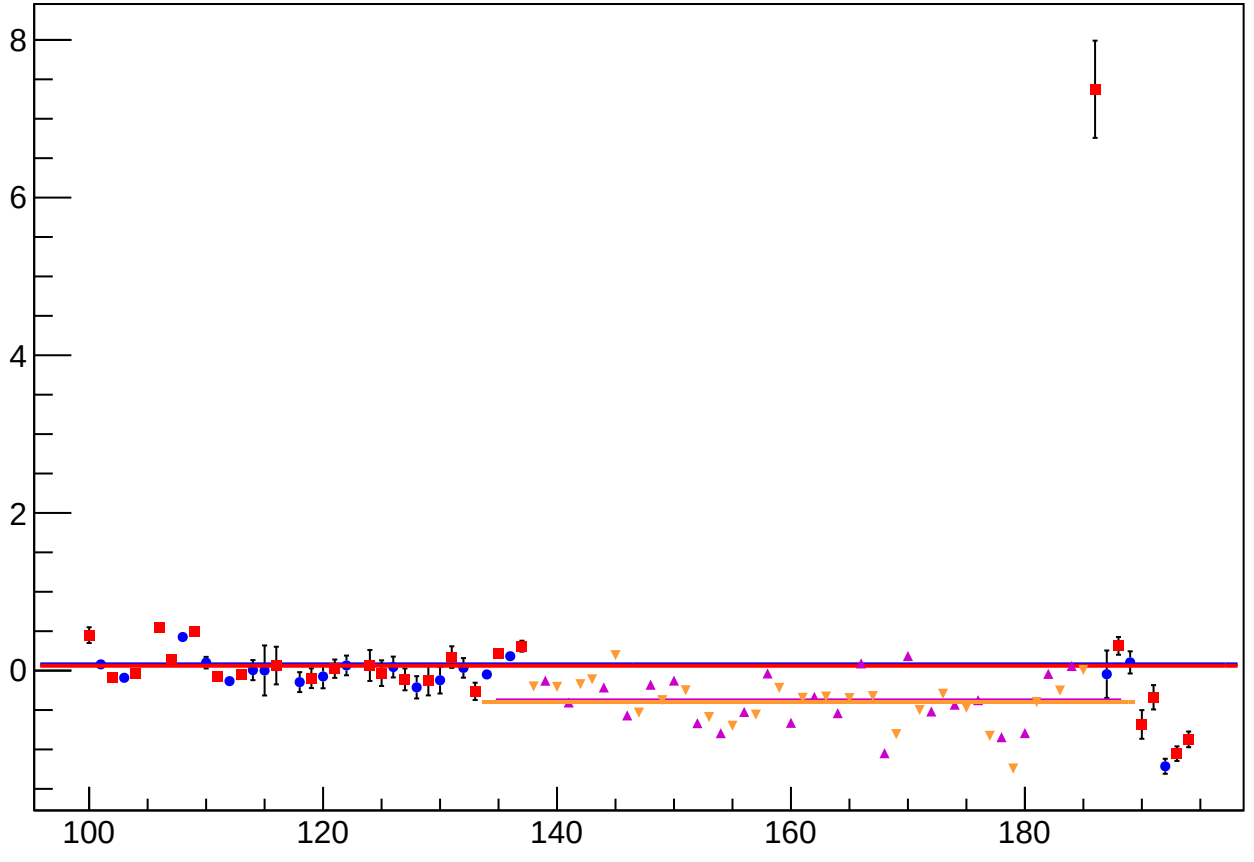
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 49.341+/-0.152 χ^2/NDF: 80325.9/43

All: 48.936+/-0.109 χ^2/NDF: 154369.2/91

- sign 48.507+/-0.157 χ^2/NDF: 74028.8/47

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: 0.062+/-0.011 χ^2/NDF: 808.1/24

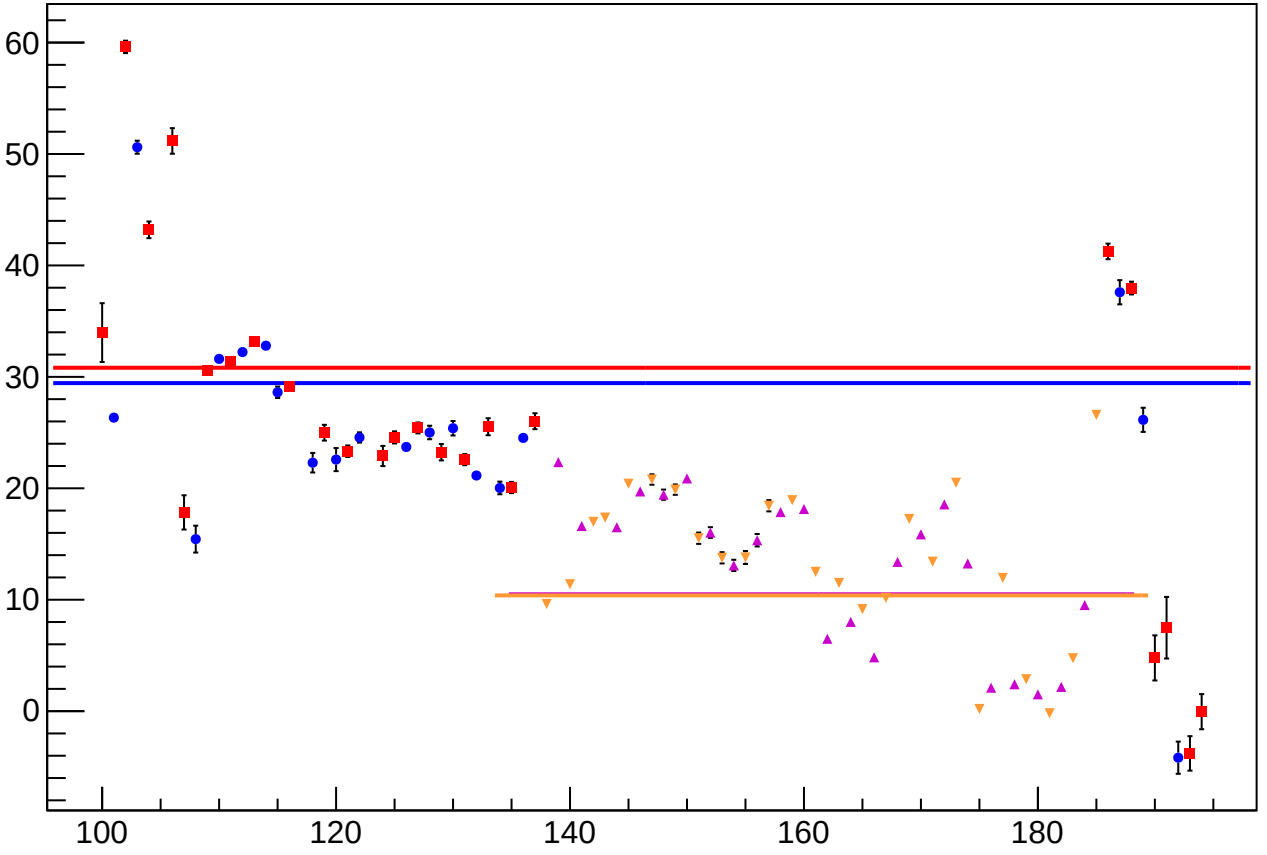
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.224+/-0.007 χ^2/NDF: 2692.0/43

All: -0.219+/-0.005 χ^2/NDF: 5827.9/91

- sign -0.214+/-0.007 χ^2/NDF: 3134.7/47

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: 30.818+/-0.079 χ^2/NDF: 6579.3/24

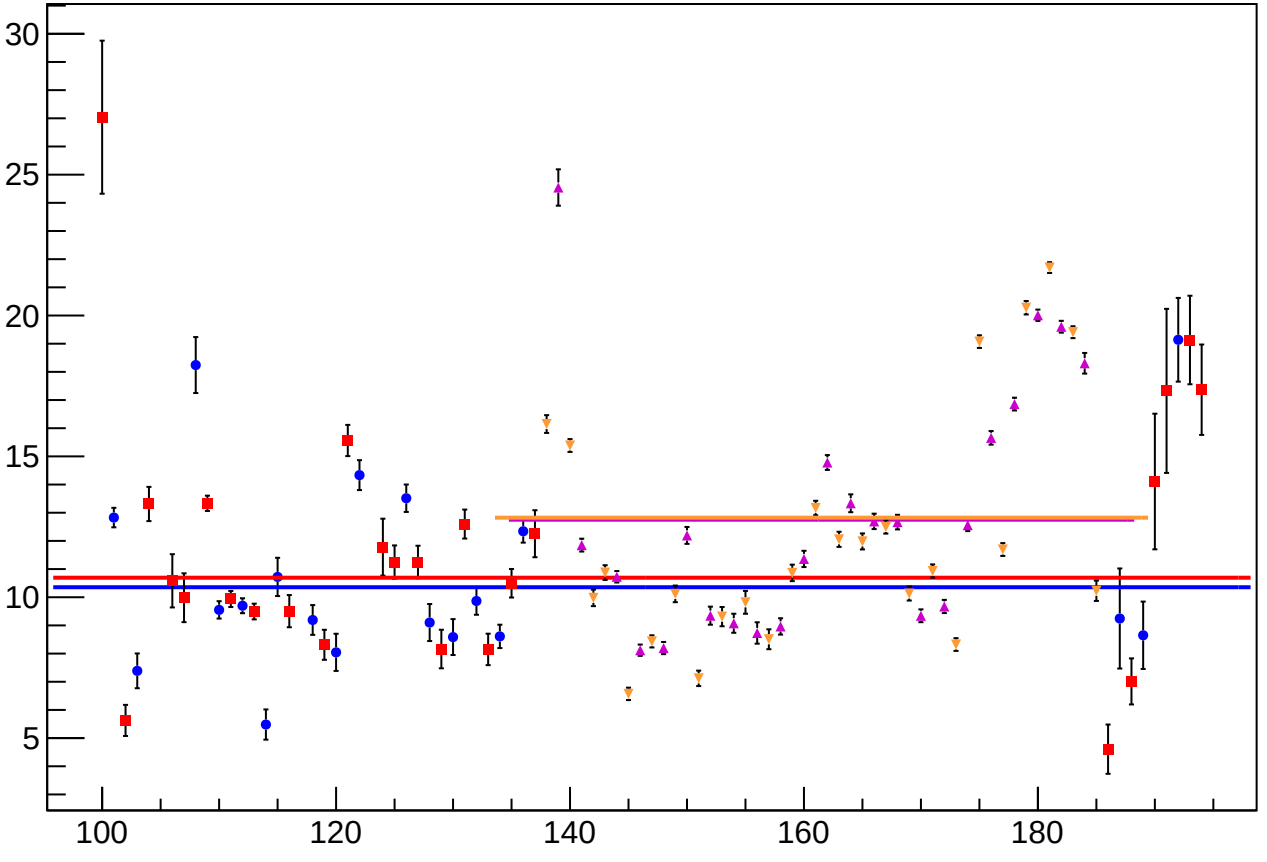
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.700+/-0.052 χ^2/NDF: 47006.6/43

All: 17.892+/-0.037 χ^2/NDF: 104955.1/91

- sign 19.015+/-0.051 χ^2/NDF: 56944.9/47

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: 10.693+/-0.110 χ^2/NDF: 538.3/24

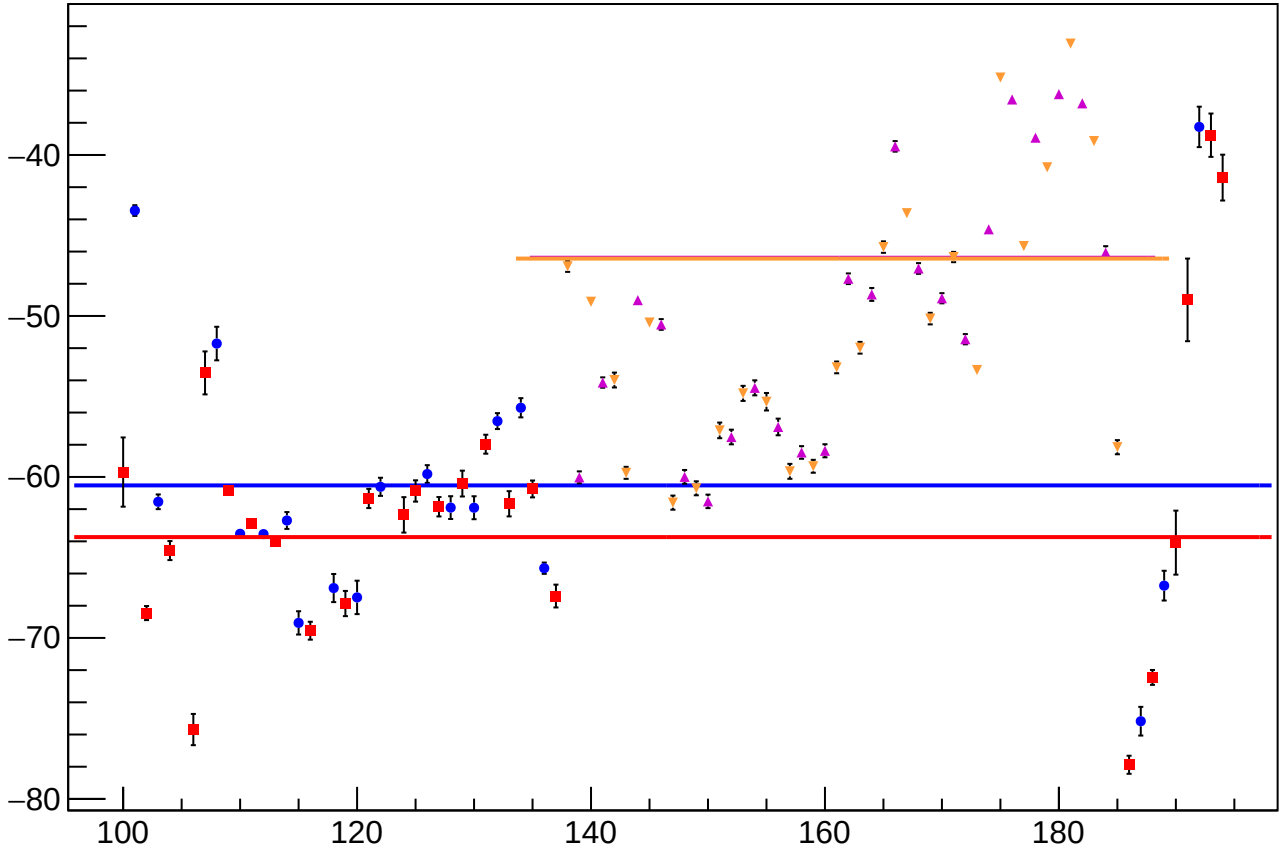
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.405+/-0.047 χ^2/NDF: 8853.8/43

All: 12.386+/-0.033 χ^2/NDF: 15178.6/91

- sign 12.366+/-0.048 χ^2/NDF: 6324.5/47

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: -63.736+/-0.102 χ^2/NDF: 2496.8/24

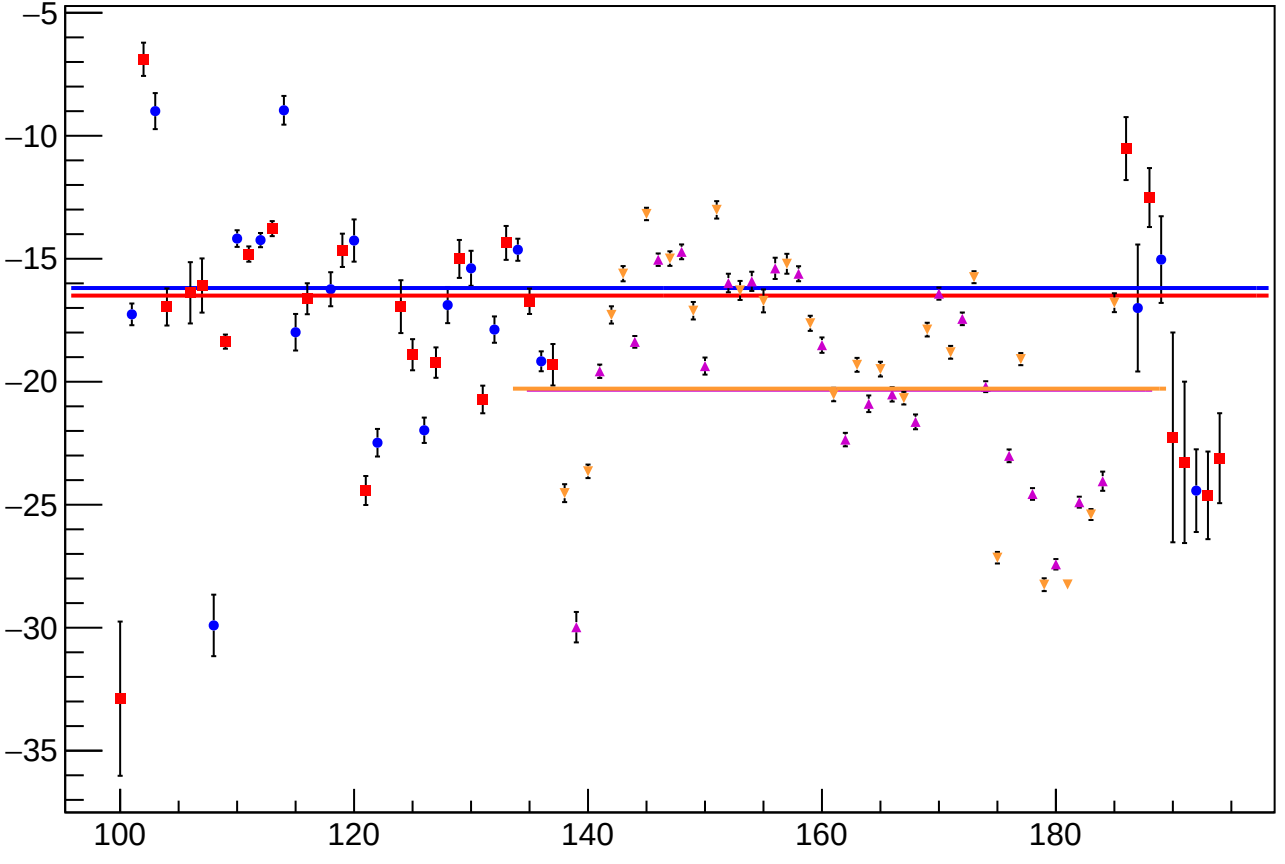
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -49.992+/-0.056 χ^2/NDF: 34475.8/43

All: -50.792+/-0.039 χ^2/NDF: 72741.3/91

- sign -51.596+/-0.056 χ^2/NDF: 37852.3/47

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: -16.498+/-0.123 χ^2/NDF: 757.5/24

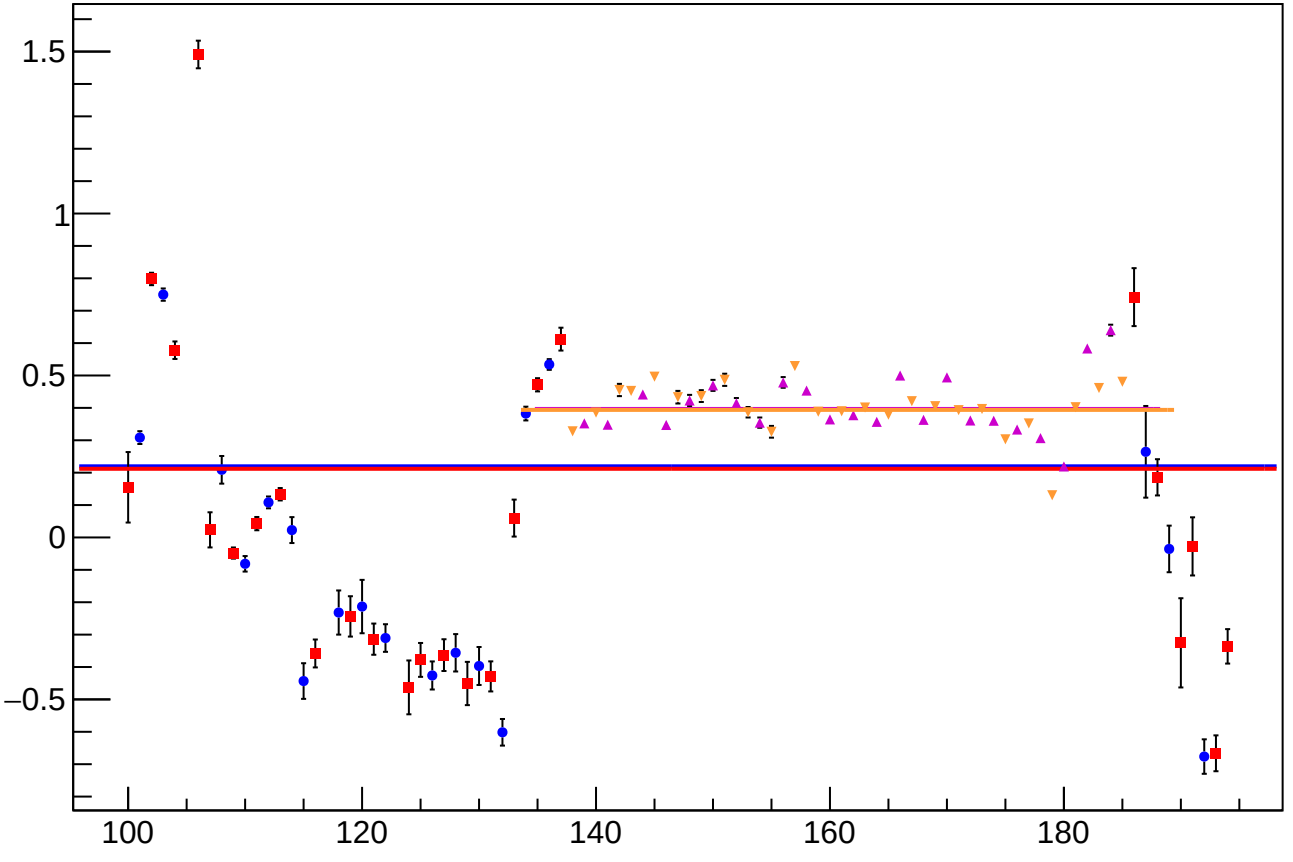
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.588+/-0.052 χ^2/NDF: 8712.2/43

All: -19.596+/-0.037 χ^2/NDF: 14532.3/91

- sign -19.604+/-0.053 χ^2/NDF: 5820.0/47

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: 0.212+/-0.007 χ^2/NDF: 4022.3/24

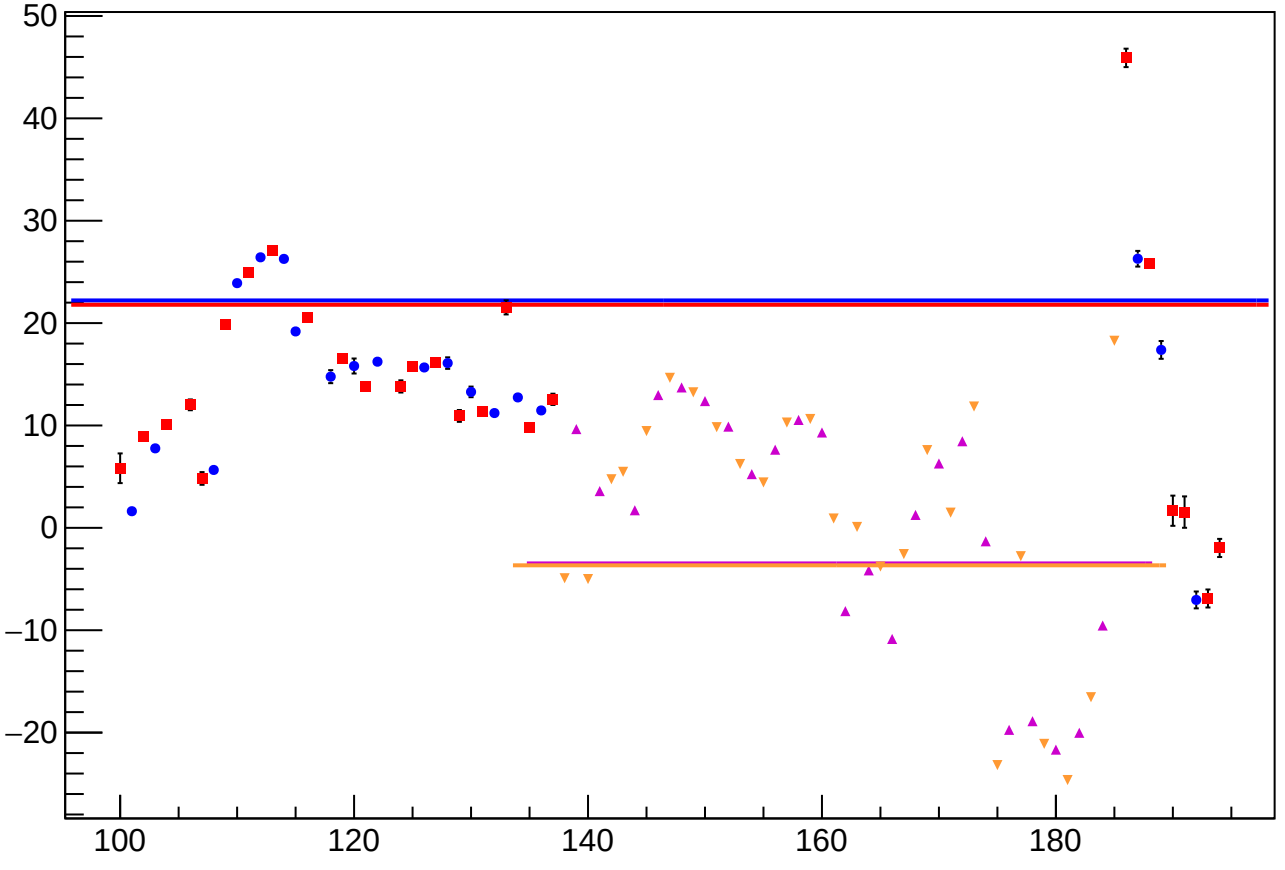
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.373+/-0.002 χ^2/NDF: 4434.0/43

All: 0.373+/-0.002 χ^2/NDF: 10382.3/91

- sign 0.373+/-0.002 χ^2/NDF: 5948.3/47

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: 21.792+/-0.046 χ^2/NDF: 13652.0/24

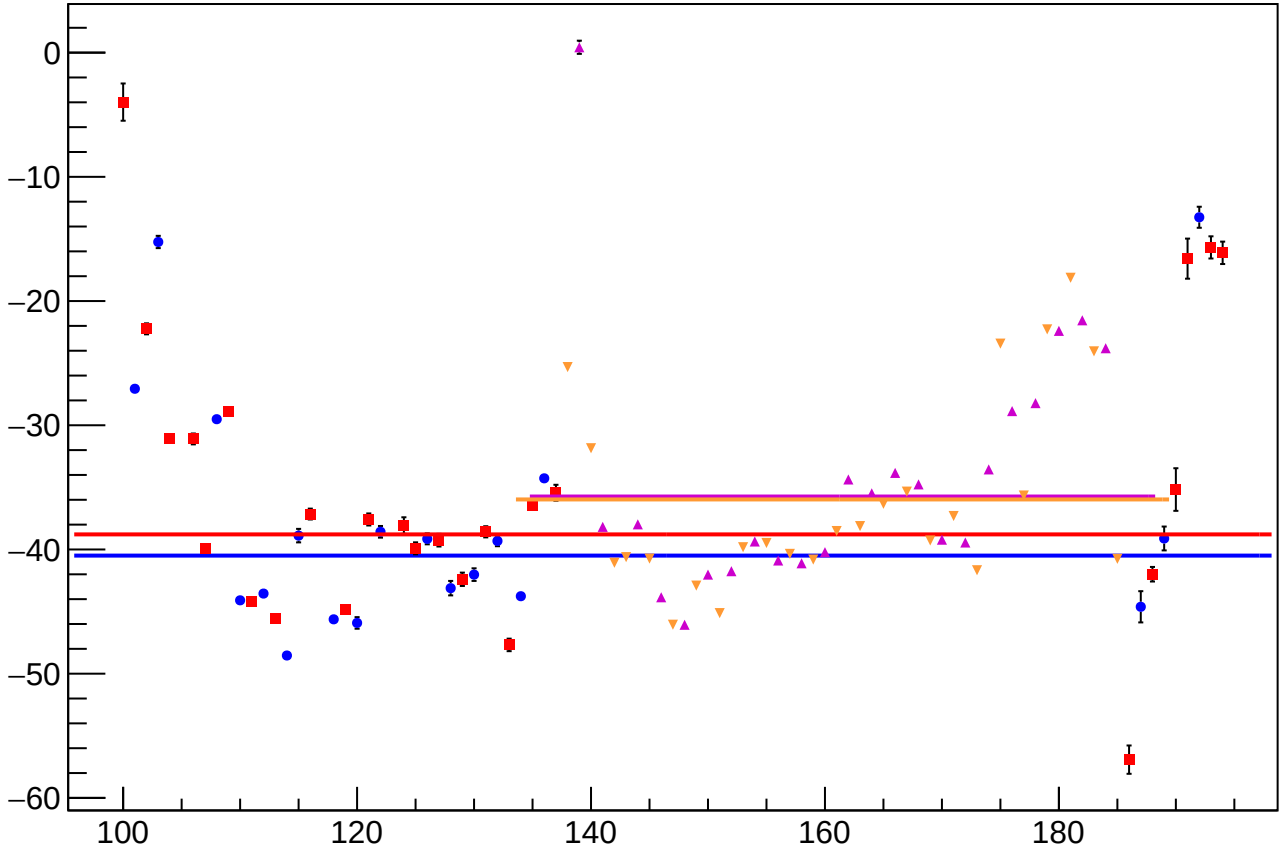
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.899+/-0.039 χ^2/NDF: 179661.1/43

All: 10.573+/-0.026 χ^2/NDF: 360198.9/91

- sign 11.974+/-0.036 χ^2/NDF: 177175.5/47

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: -38.786+/-0.070 χ^2/NDF: 11888.3/24

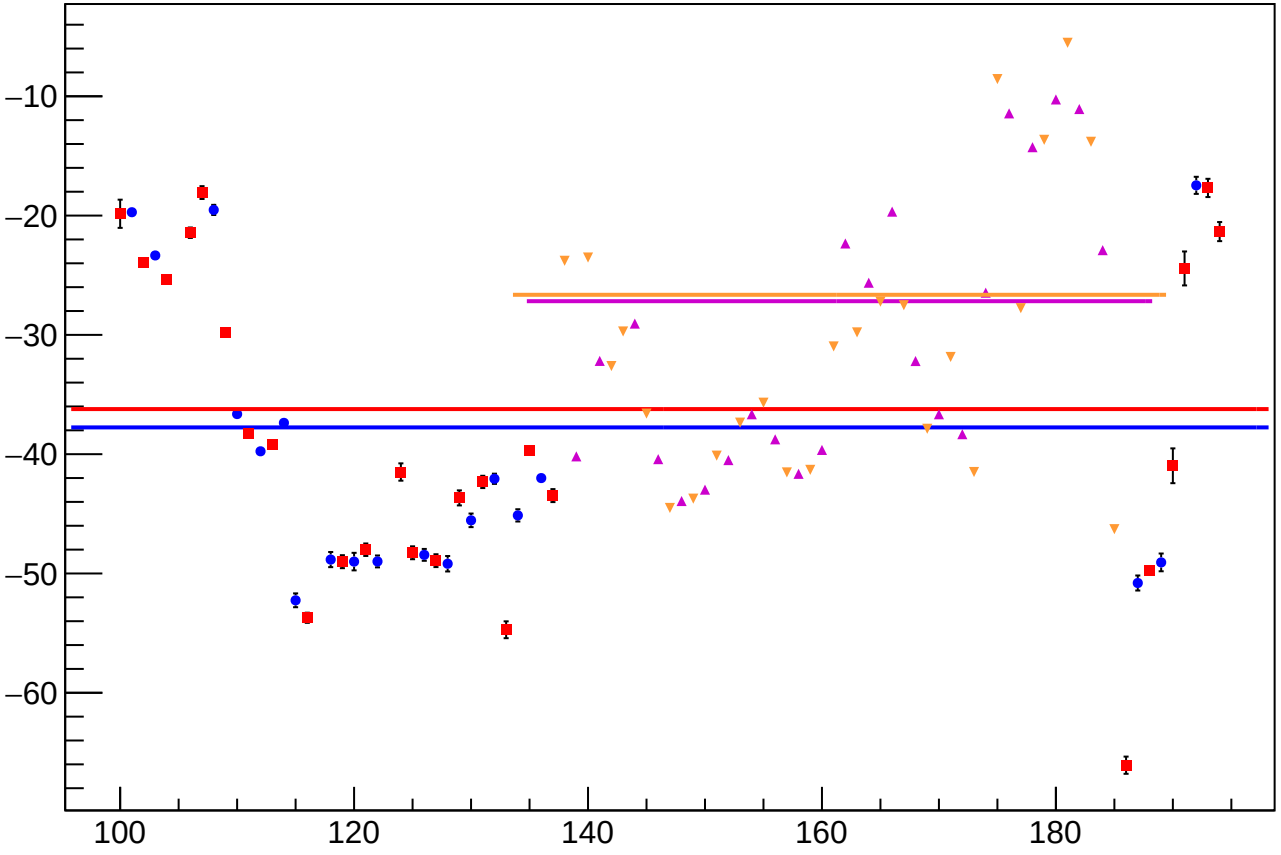
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -37.051+/-0.037 χ^2/NDF: 45152.3/43

All: -36.845+/-0.026 χ^2/NDF: 85607.1/91

- sign -36.630+/-0.038 χ^2/NDF: 40391.3/47

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: -36.219+/-0.062 χ^2/NDF: 17735.6/24

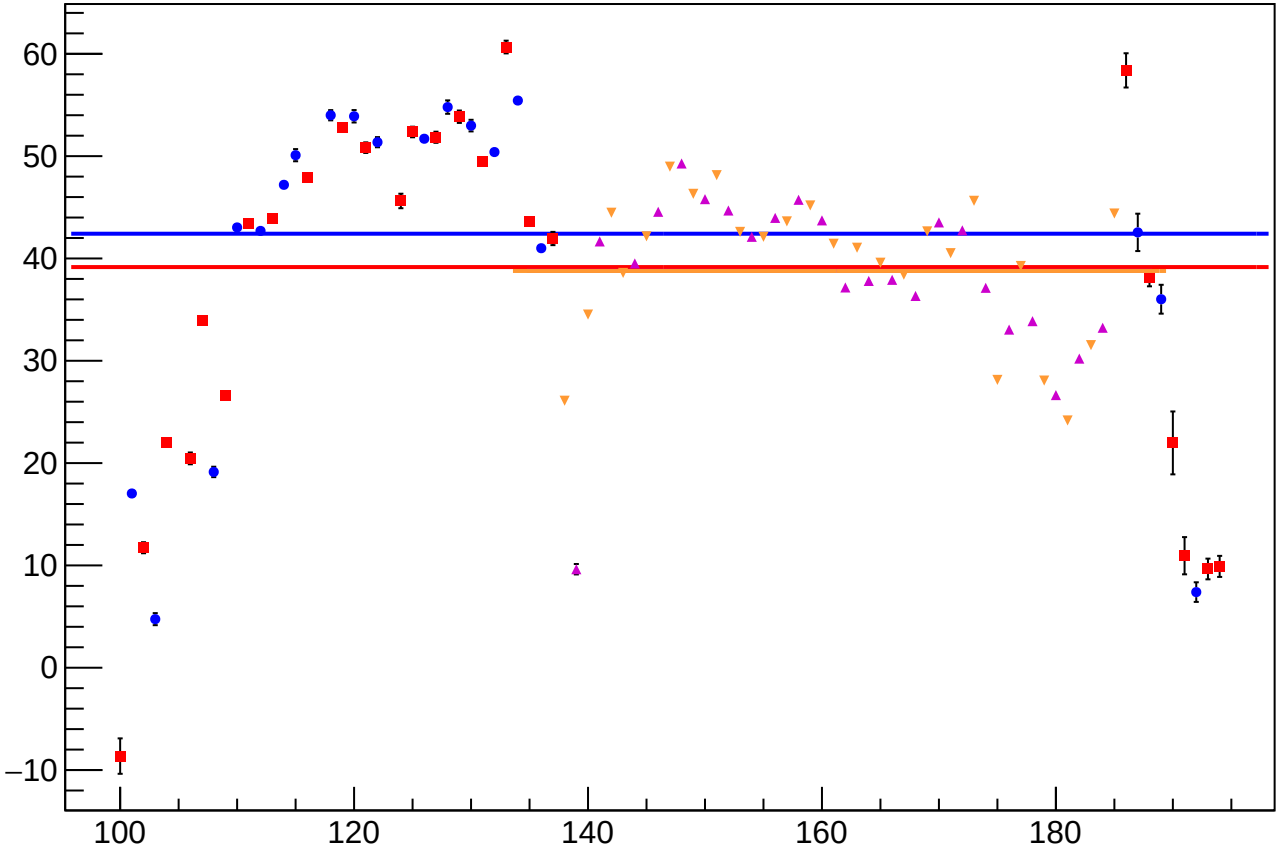
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.659+/-0.044 χ^2/NDF: 77368.4/43

All: -30.995+/-0.030 χ^2/NDF: 147620.4/91

- sign -31.308+/-0.042 χ^2/NDF: 70137.6/47

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: 39.159+/-0.077 χ^2/NDF: 20064.9/24

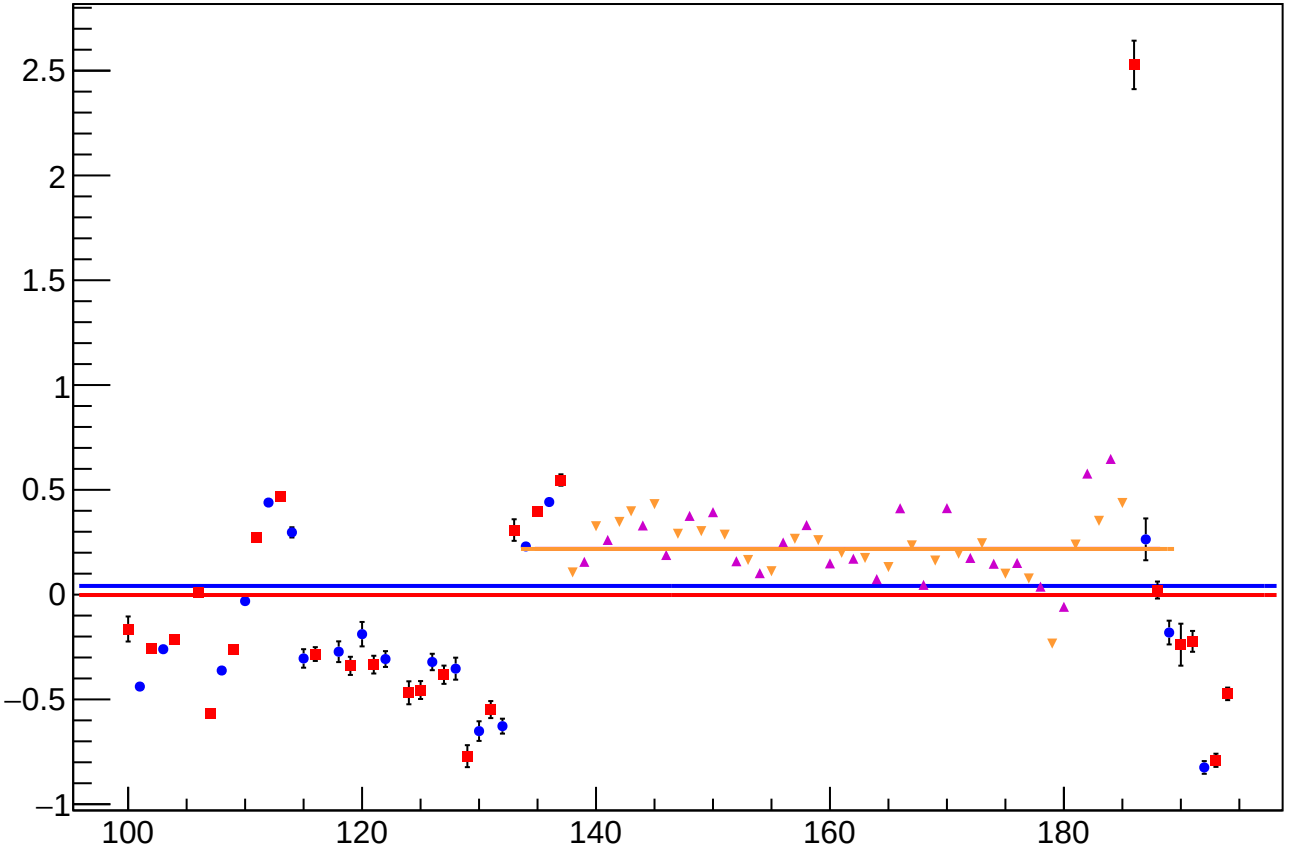
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.658+/-0.042 χ^2/NDF: 38613.5/43

All: 39.284+/-0.030 χ^2/NDF: 75099.1/91

- sign 38.900+/-0.042 χ^2/NDF: 36321.5/47

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

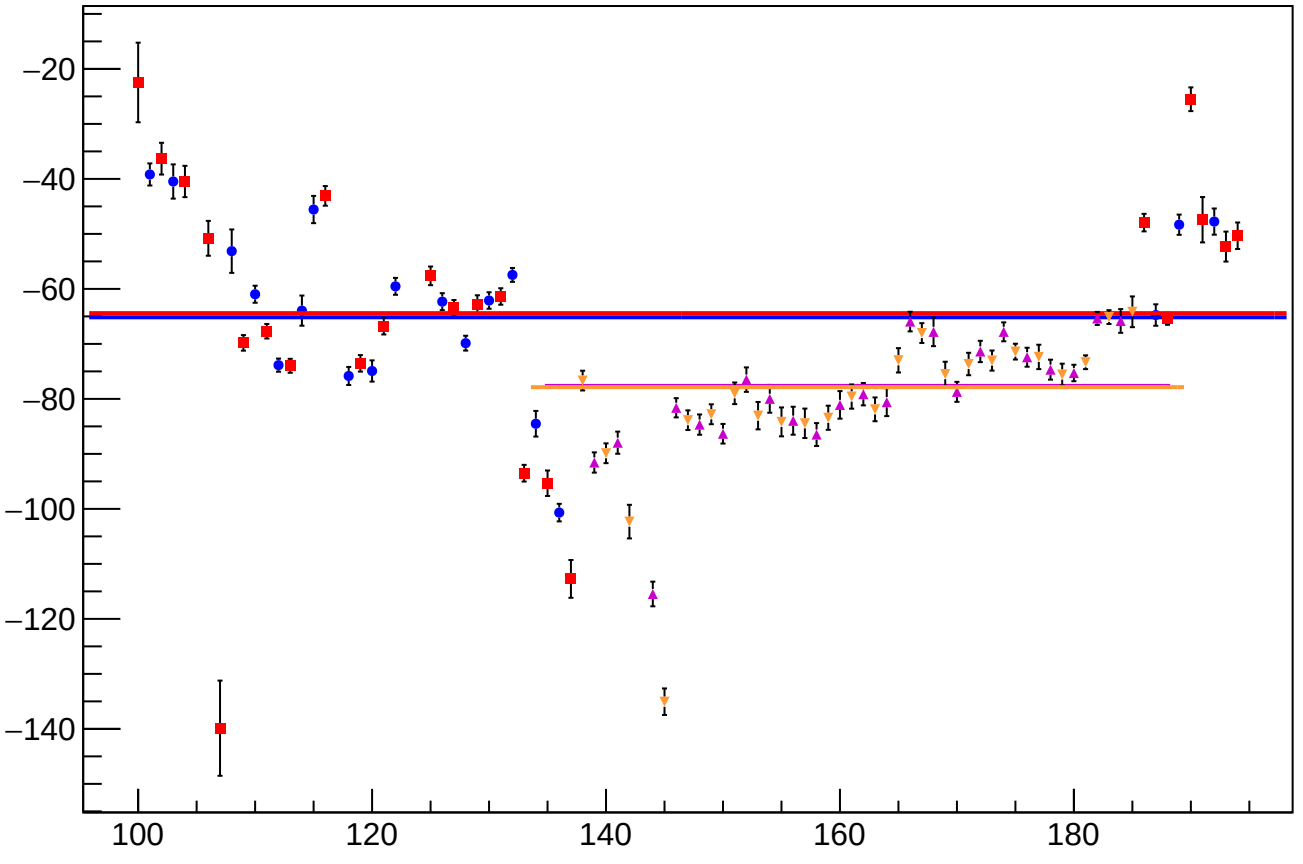
Right Out: -0.002+/-0.004 χ^2/NDF: 7815.5/24

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.188+/-0.002 χ^2/NDF: 11573.4/43

All: 0.179+/-0.001 χ^2/NDF: 26841.4/91

- sign 0.171+/-0.002 χ^2/NDF: 15229.8/47



Right In: -65.166+/-0.400 χ^2/NDF: 1201.9/18

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -64.407+/-0.365 χ^2/NDF: 1822.3/23

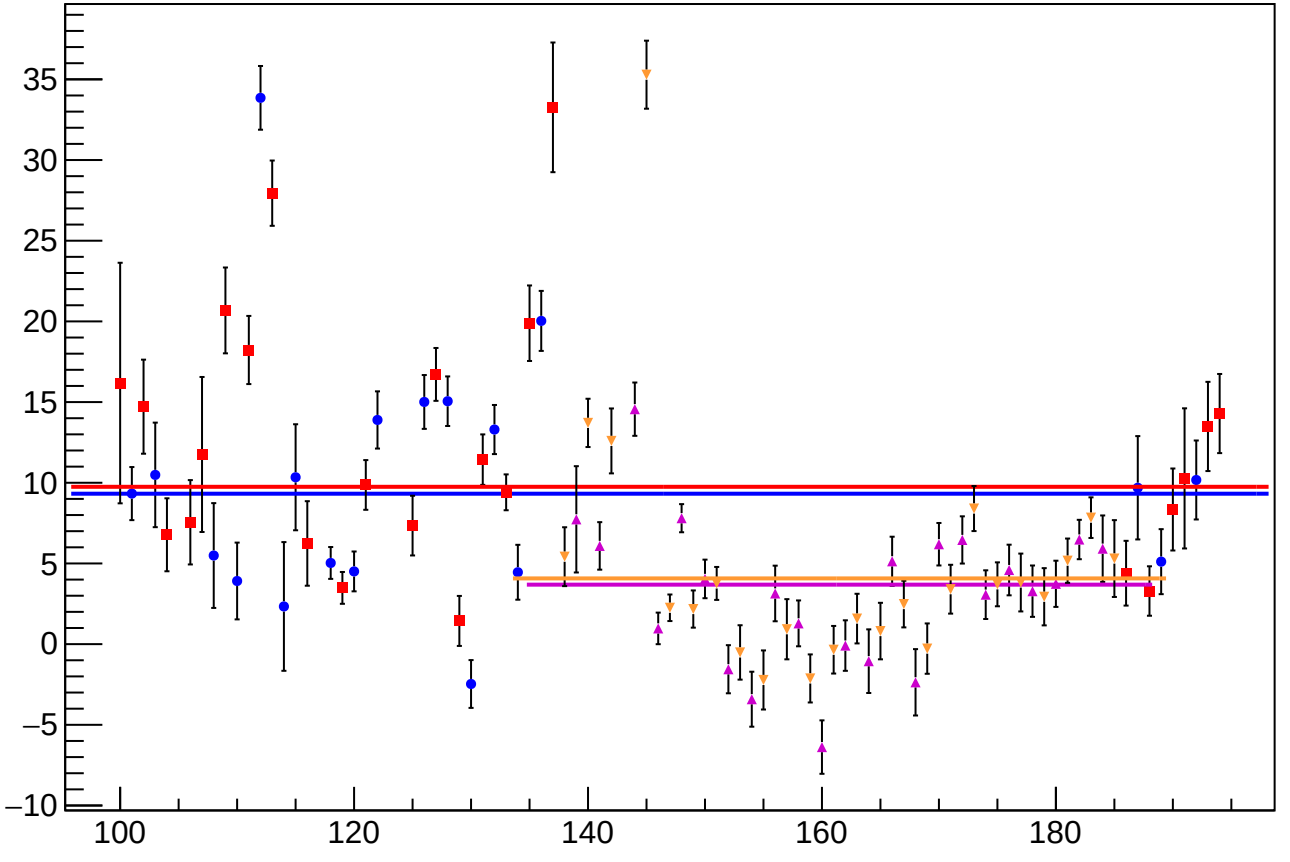
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

\+ sign -71.615+/-0.281 χ^2/NDF: 2645.6/42

All: -71.024+/-0.194 χ^2/NDF: 5772.6/89

\- sign -70.483+/-0.269 χ^2/NDF: 3118.6/46

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: 9.750+/-0.394 χ^2/NDF: 295.6/23

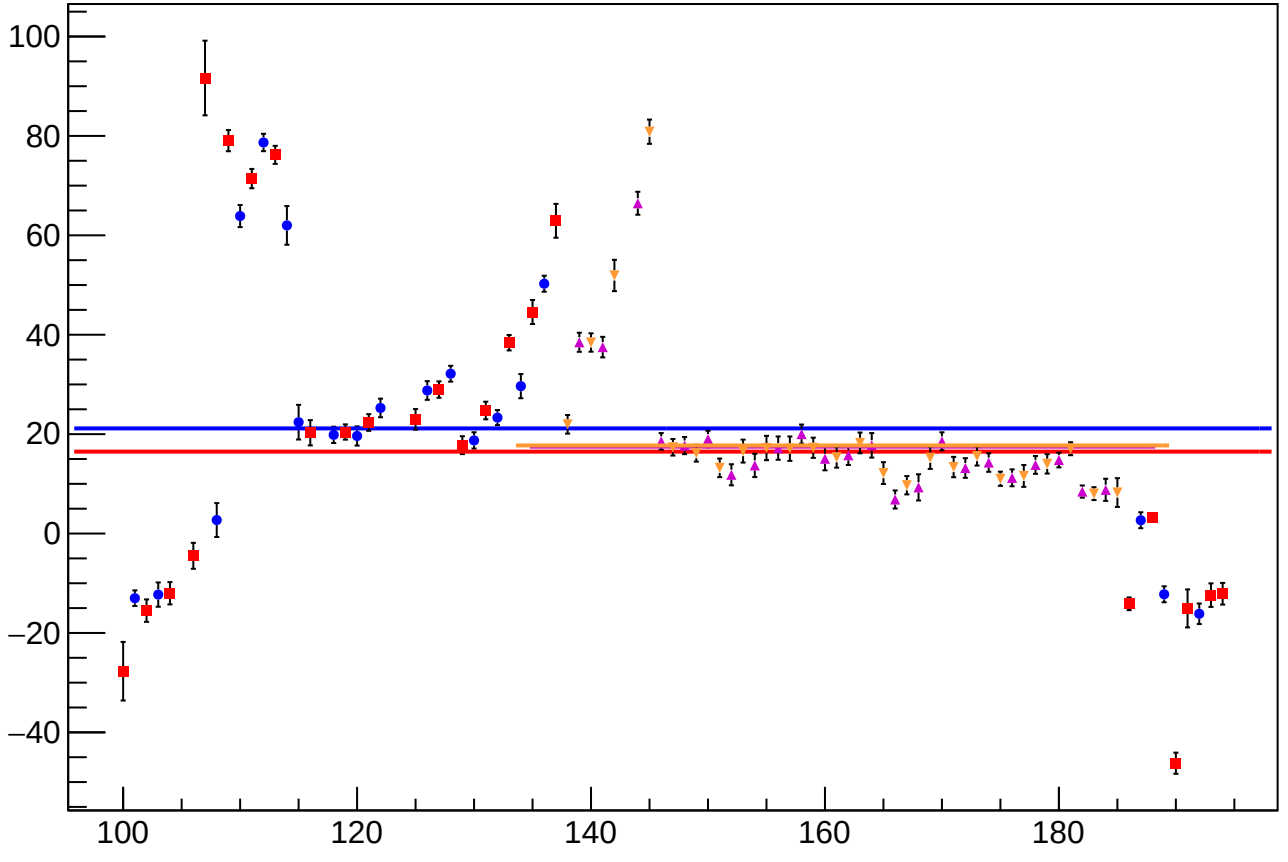
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 5.881+/-0.240 χ^2/NDF: 824.9/42

All: 5.905+/-0.170 χ^2/NDF: 1452.6/89

- sign 5.929+/-0.239 χ^2/NDF: 627.7/46

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: 16.482+/-0.384 χ^2/NDF: 5997.7/23

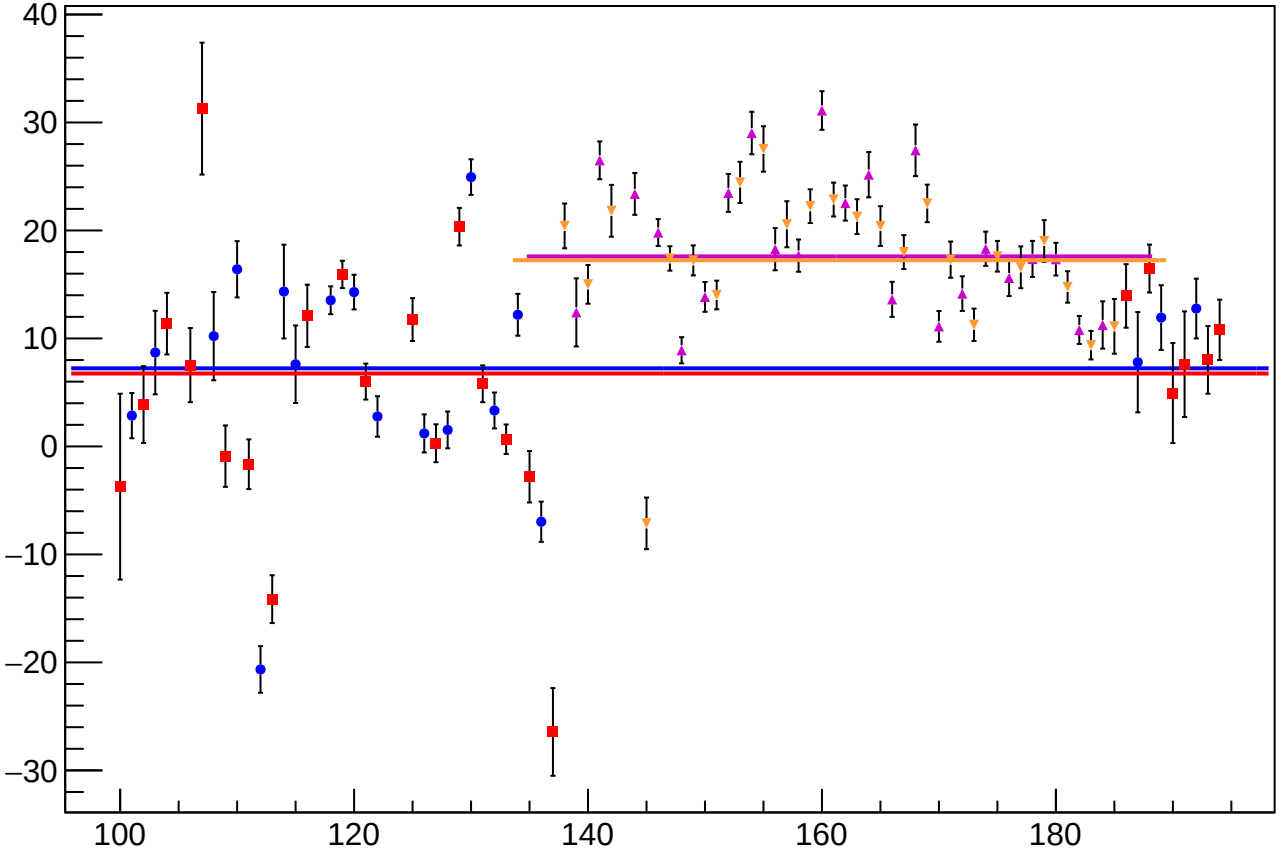
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

\+ sign 19.260+/-0.291 χ^2/NDF: 4648.5/42

All: 18.053+/-0.200 χ^2/NDF: 11503.0/89

\- sign 16.976+/-0.275 χ^2/NDF: 6821.8/46

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: 6.753+/-0.466 χ^2/NDF: 398.2/23

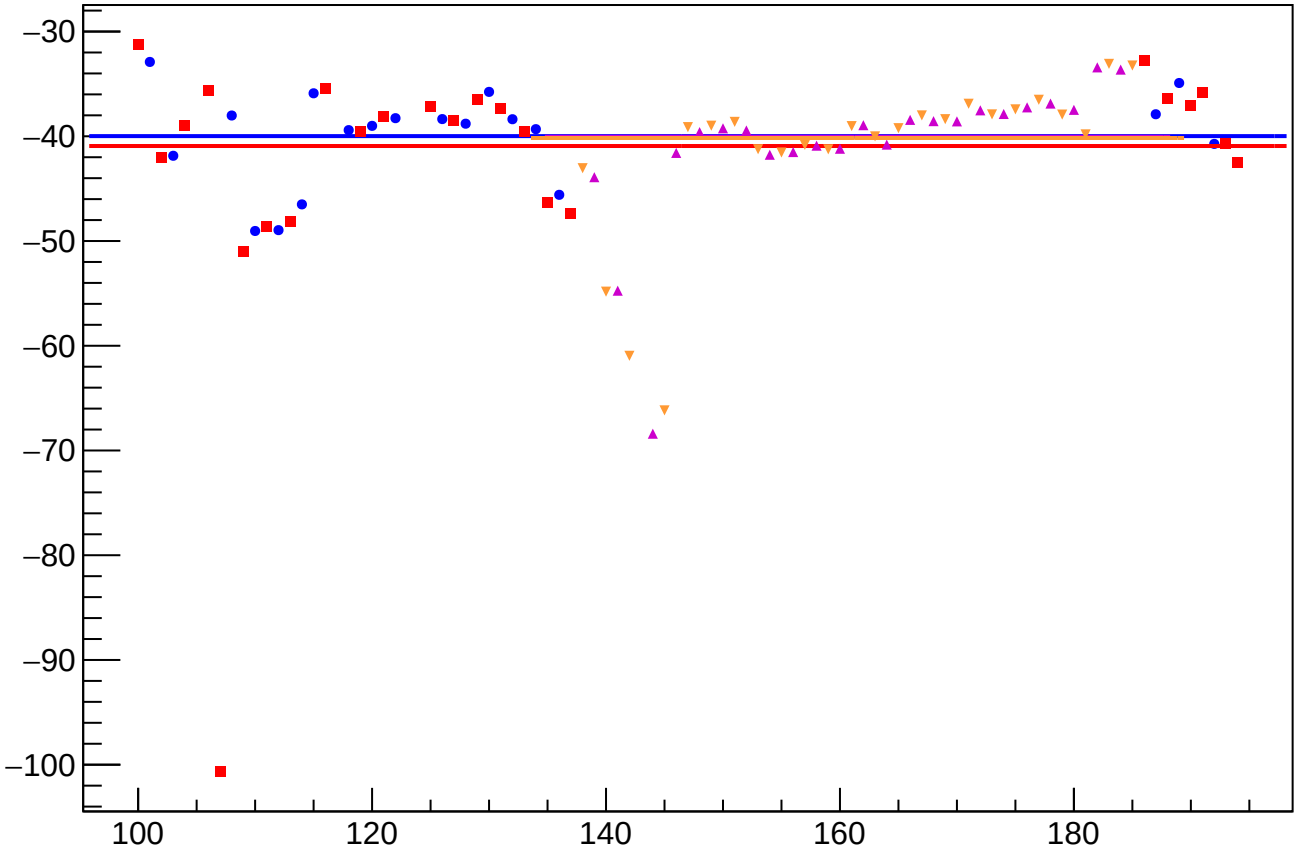
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.915+/-0.276 χ^2/NDF: 1003.6/42

All: 13.855+/-0.195 χ^2/NDF: 2063.6/89

- sign 13.795+/-0.276 χ^2/NDF: 1059.8/46

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: -40.929+/-0.026 χ^2/NDF: 65833.1/23

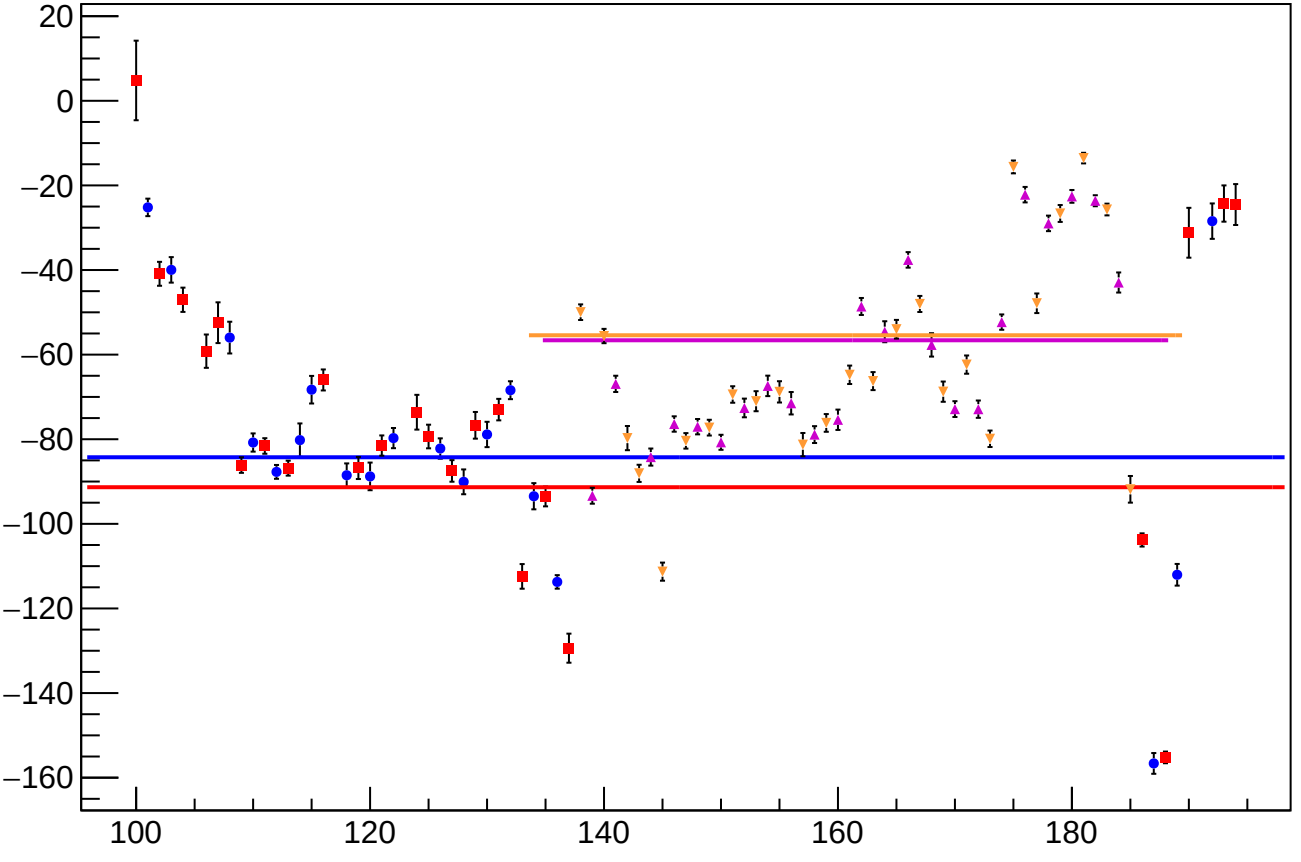
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.123+/-0.014 χ^2/NDF: 186184.7/42

All: -40.201+/-0.009 χ^2/NDF: 389356.5/89

- sign -40.275+/-0.013 χ^2/NDF: 203108.2/46

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: -91.343+/-0.513 χ^2/NDF: 3986.3/23

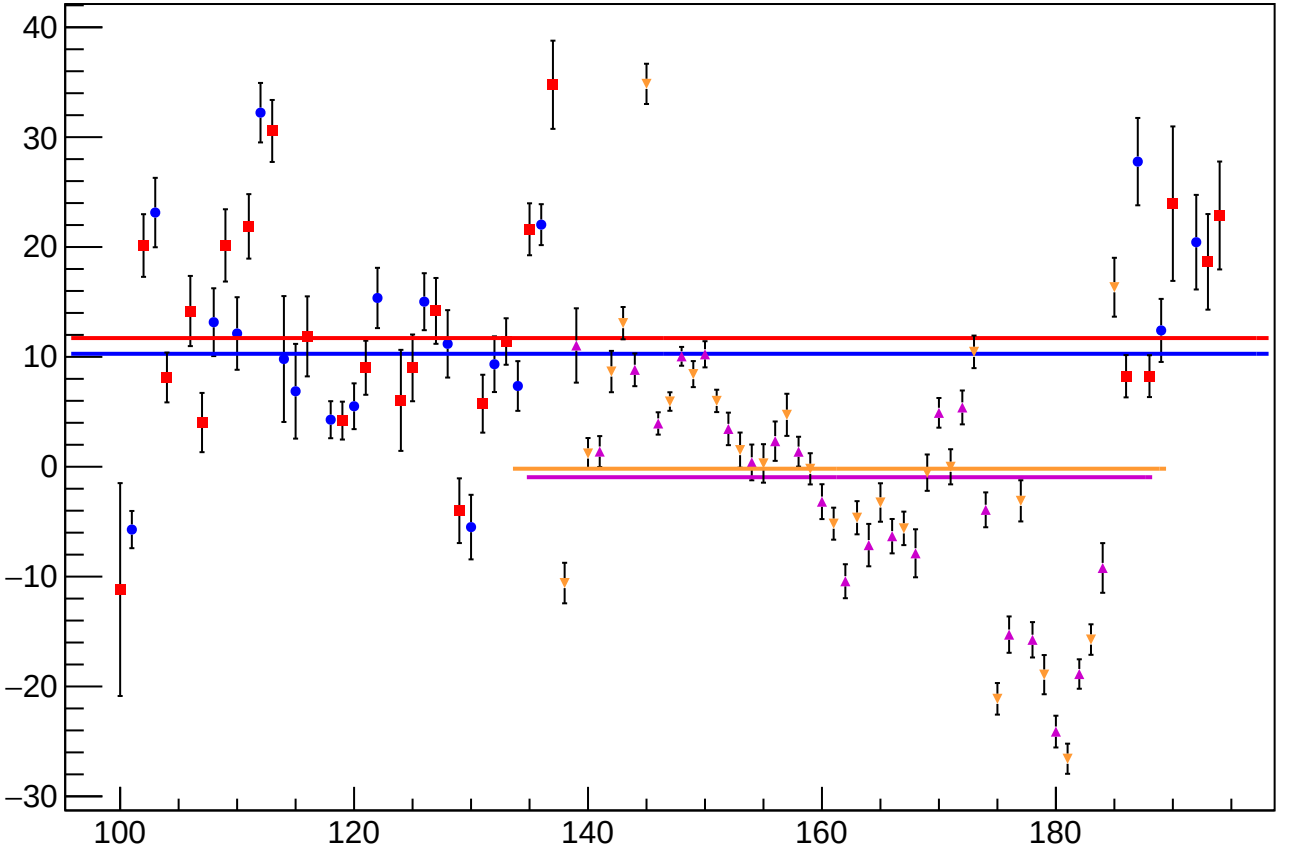
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.675+/-0.324 χ^2/NDF: 8955.3/43

All: -67.341+/-0.227 χ^2/NDF: 19255.4/90

- sign -69.895+/-0.317 χ^2/NDF: 10167.7/46

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: 11.712+/-0.566 χ^2/NDF: 213.4/23

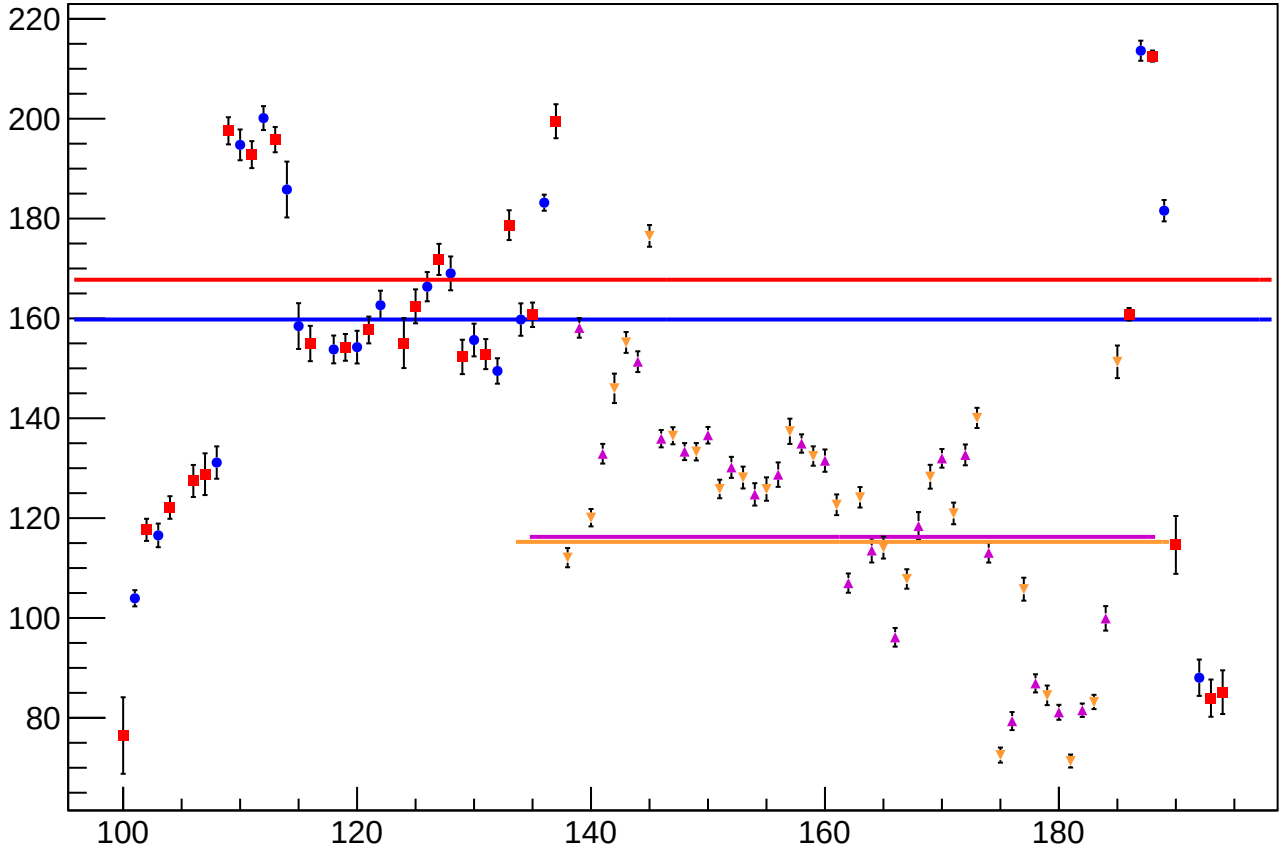
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

\+ sign 1.878+/-0.264 χ^2/NDF: 2141.2/43

All: 1.883+/-0.188 χ^2/NDF: 3813.2/90

\- sign 1.887+/-0.268 χ^2/NDF: 1671.9/46

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: 167.750+/-0.516 χ^2/NDF: 4454.7/23

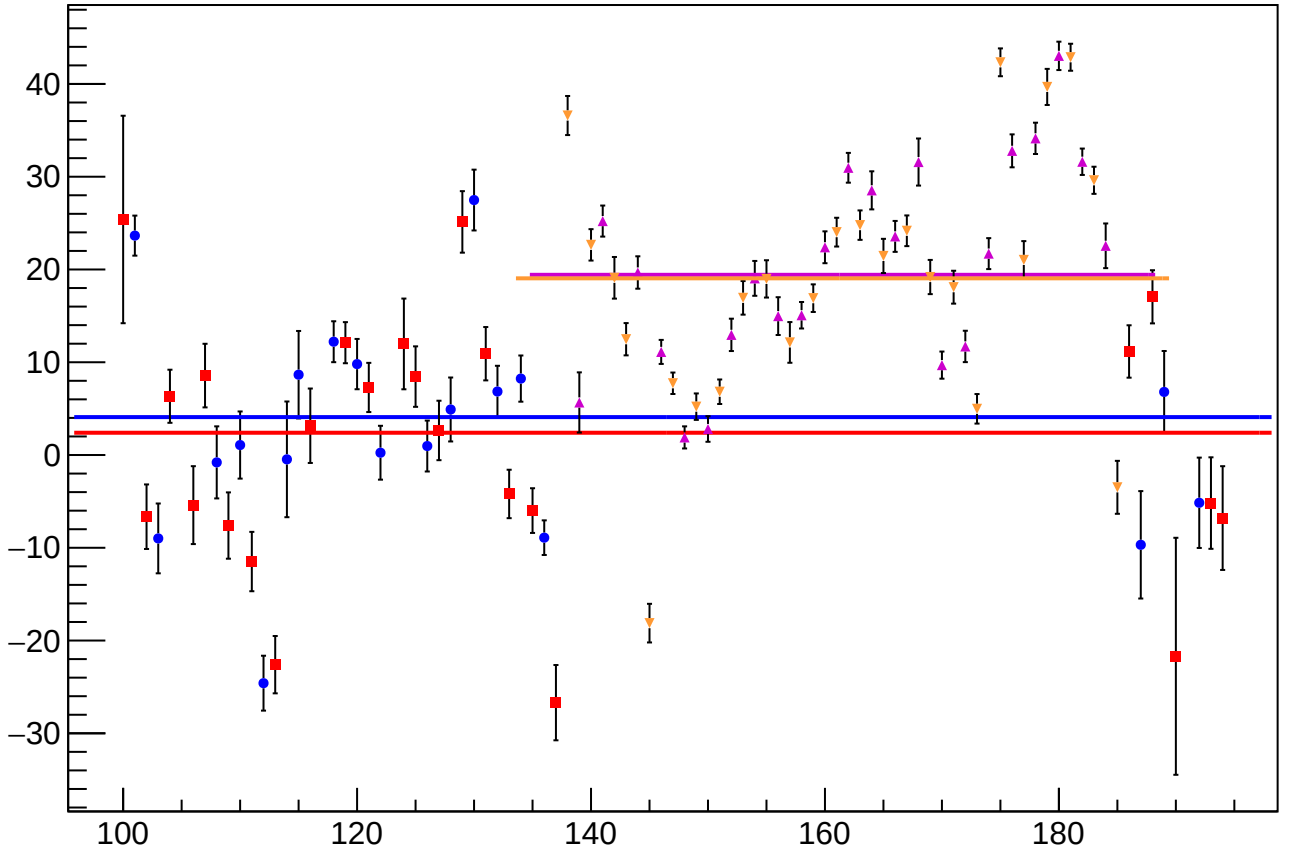
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.642+/-0.326 χ^2/NDF: 12242.8/43

All: 132.196+/-0.227 χ^2/NDF: 26795.5/90

- sign 135.523+/-0.316 χ^2/NDF: 14323.1/46

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: 2.401+/-0.675 χ^2/NDF: 311.7/23

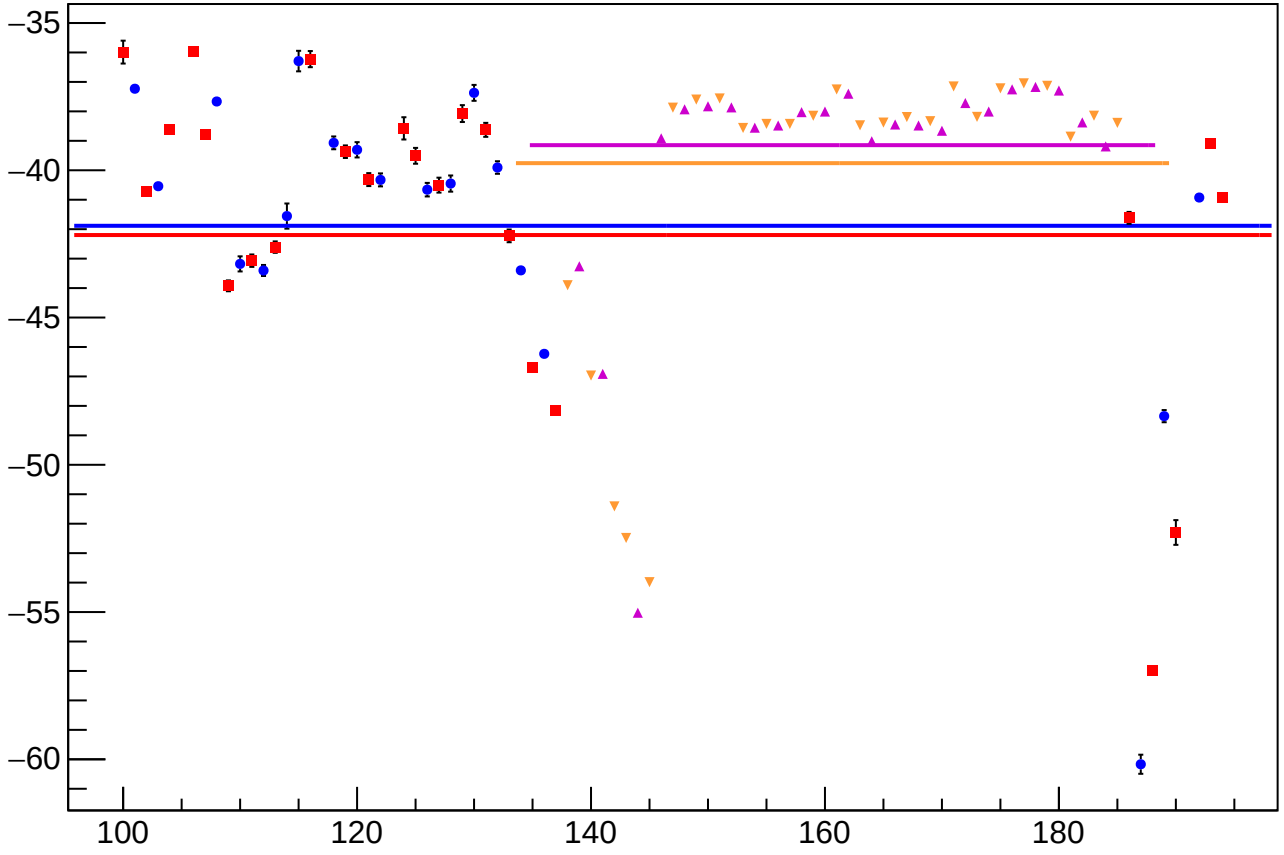
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 16.194+/-0.302 χ^2/NDF: 2249.3/43

All: 16.043+/-0.216 χ^2/NDF: 4142.7/90

- sign 15.888+/-0.308 χ^2/NDF: 1892.8/46

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: -42.199+/-0.035 χ^2/NDF: 18942.7/23

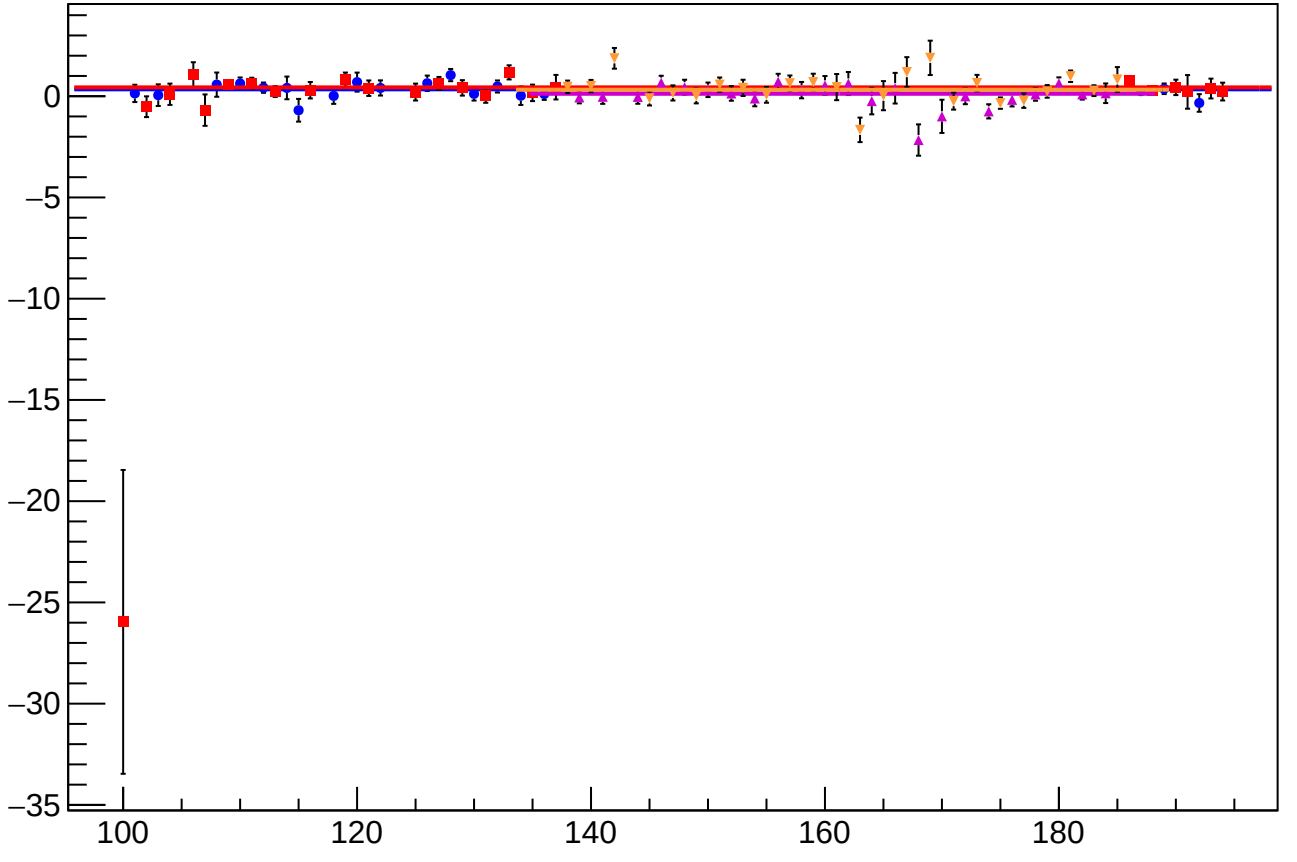
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.085+/-0.014 χ^2/NDF: 97010.9/43

All: -39.865+/-0.010 χ^2/NDF: 169539.8/90

- sign -39.642+/-0.014 χ^2/NDF: 72043.7/46

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: 0.436+/-0.065 χ^2/NDF: 34.8/23

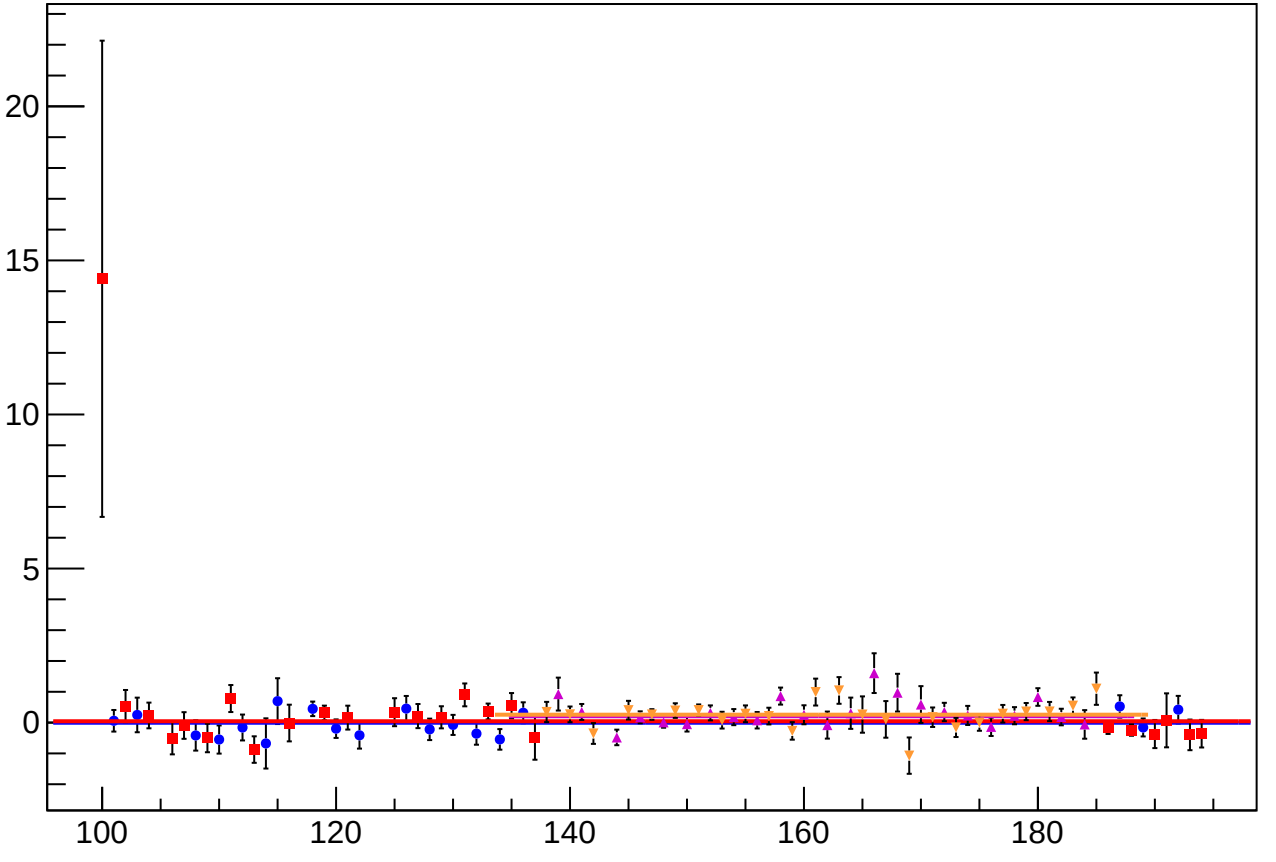
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.330+/-0.056 χ^2/NDF: 63.7/42

All: 0.318+/-0.037 χ^2/NDF: 138.0/89

- sign 0.309+/-0.050 χ^2/NDF: 74.2/46

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: 0.044+/-0.075 χ^2/NDF: 31.3/23

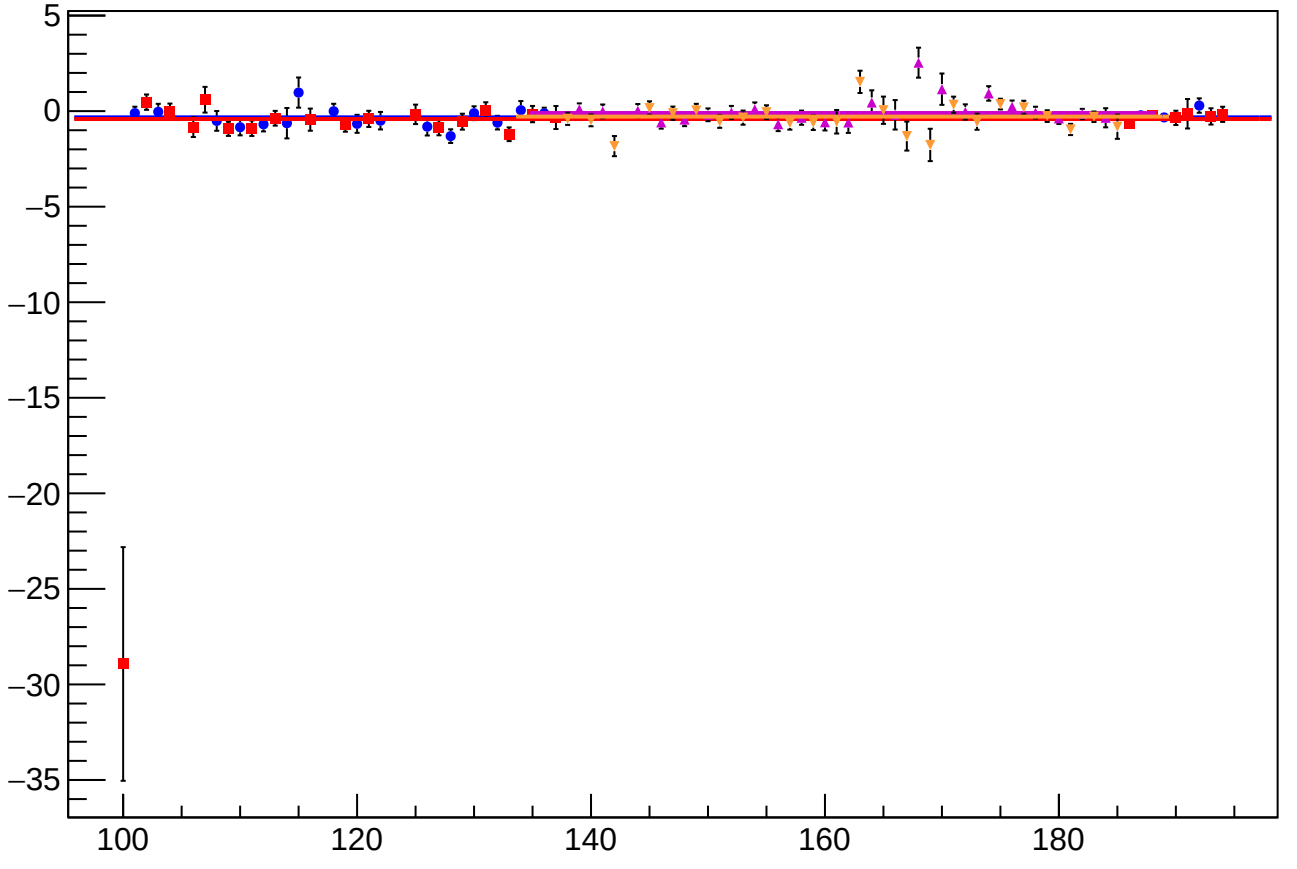
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.172+/-0.049 χ^2/NDF: 51.3/42

All: 0.157+/-0.034 χ^2/NDF: 117.6/89

- sign 0.143+/-0.047 χ^2/NDF: 66.1/46

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: -0.413+/-0.062 χ^2/NDF: 48.6/23

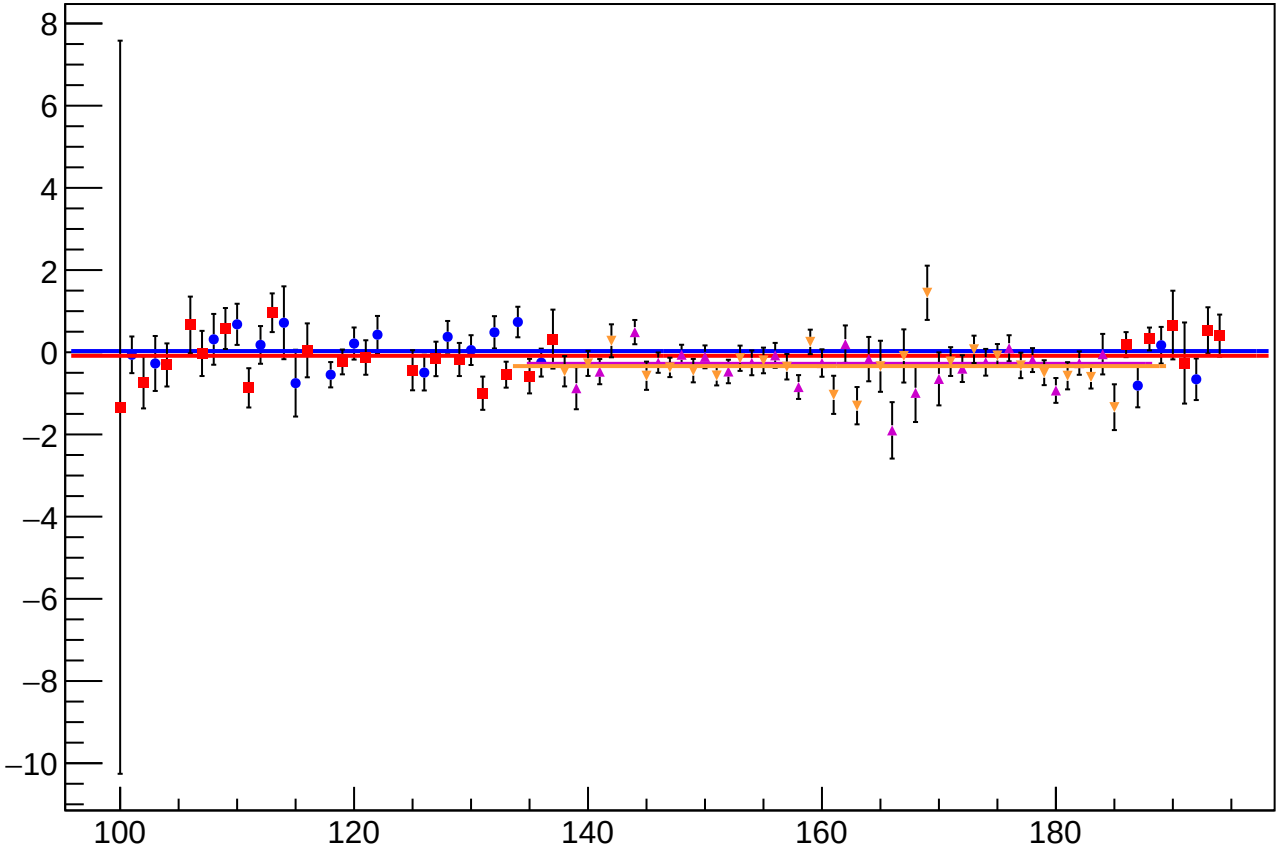
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.305+/-0.056 χ^2/NDF: 66.6/42

All: -0.298+/-0.037 χ^2/NDF: 158.2/89

- sign -0.292+/-0.049 χ^2/NDF: 91.6/46

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: -0.086+/-0.093 χ^2/NDF: 27.5/23

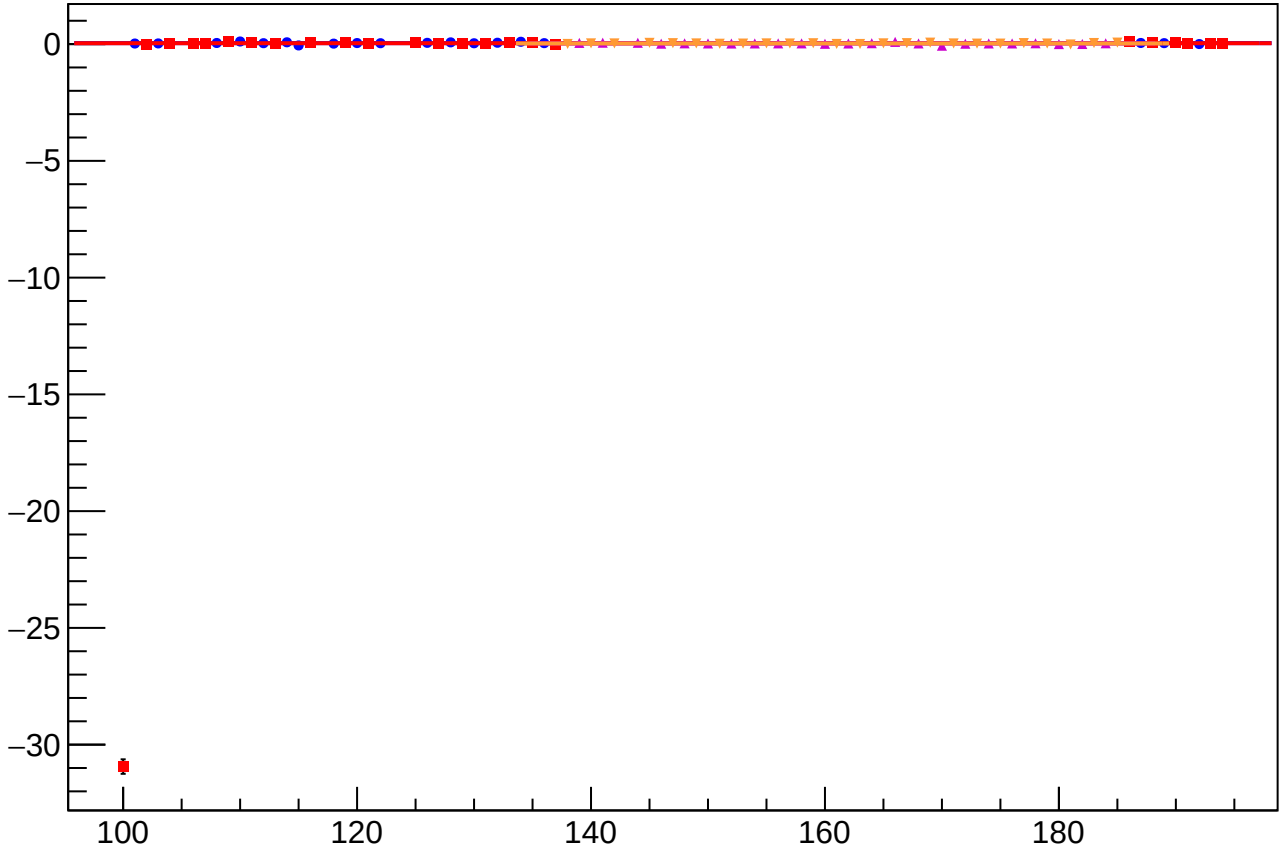
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.223+/-0.056 χ^2/NDF: 59.8/42

All: -0.217+/-0.040 χ^2/NDF: 119.2/89

- sign -0.212+/-0.055 χ^2/NDF: 59.4/46

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.043+/-0.005 χ^2/NDF: 26.3/18

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.038+/-0.005 χ^2/NDF: 10038.0/23

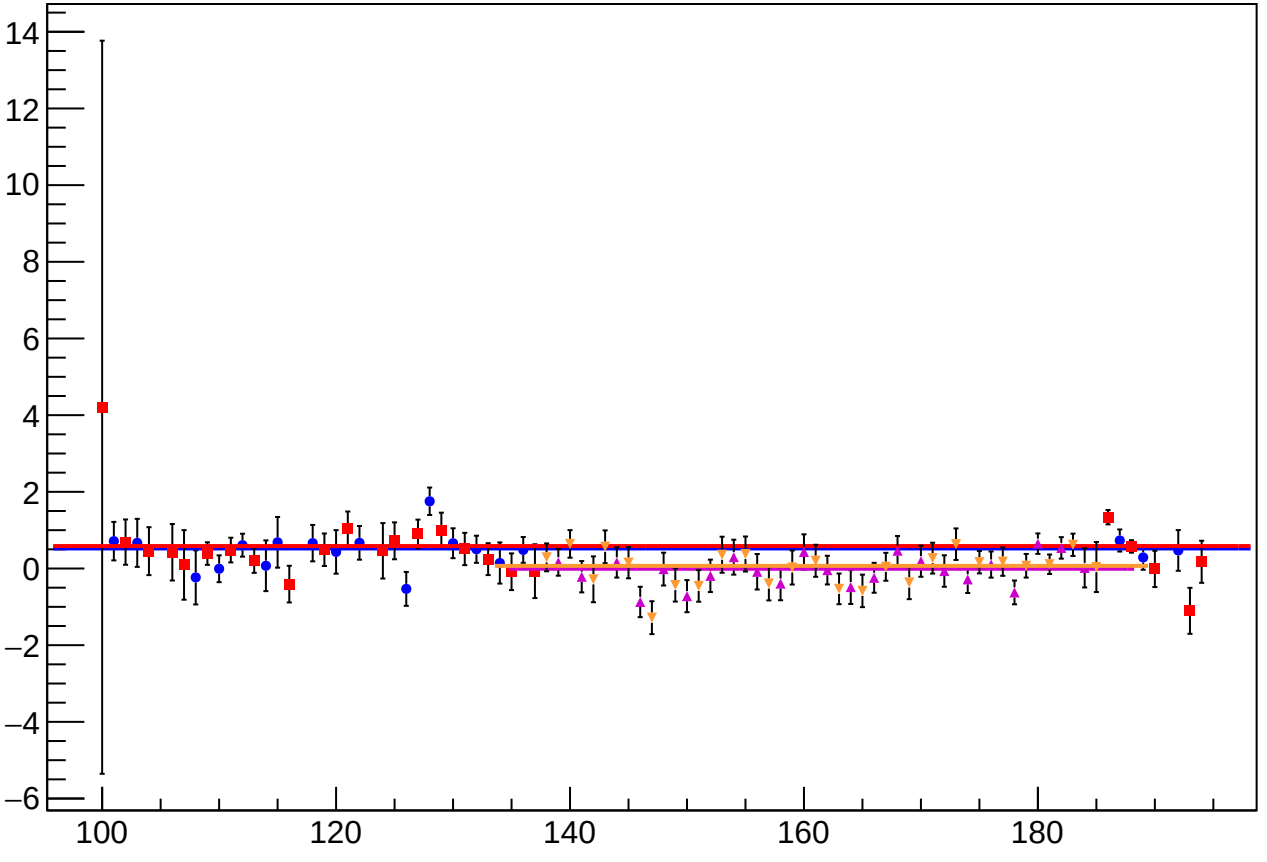
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.031+/-0.003 χ^2/NDF: 59.3/42

All: 0.032+/-0.002 χ^2/NDF: 10138.5/89

- sign 0.032+/-0.003 χ^2/NDF: 10079.2/46

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: 0.585+/-0.077 χ^2/NDF: 39.4/23

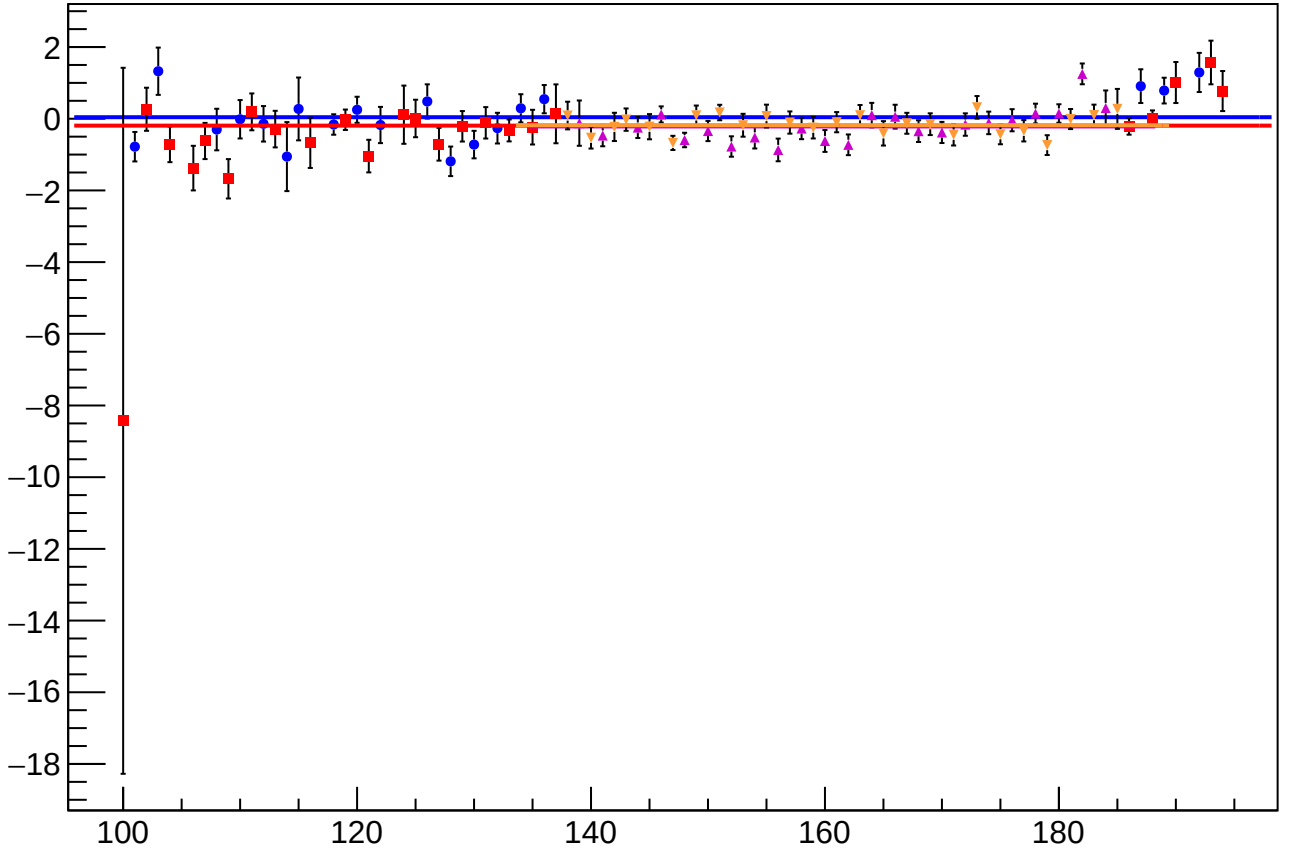
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.249+/-0.060 χ^2/NDF: 68.5/43

All: 0.275+/-0.041 χ^2/NDF: 165.3/90

- sign 0.298+/-0.055 χ^2/NDF: 96.4/46

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: -0.192+/-0.089 χ^2/NDF: 37.4/23

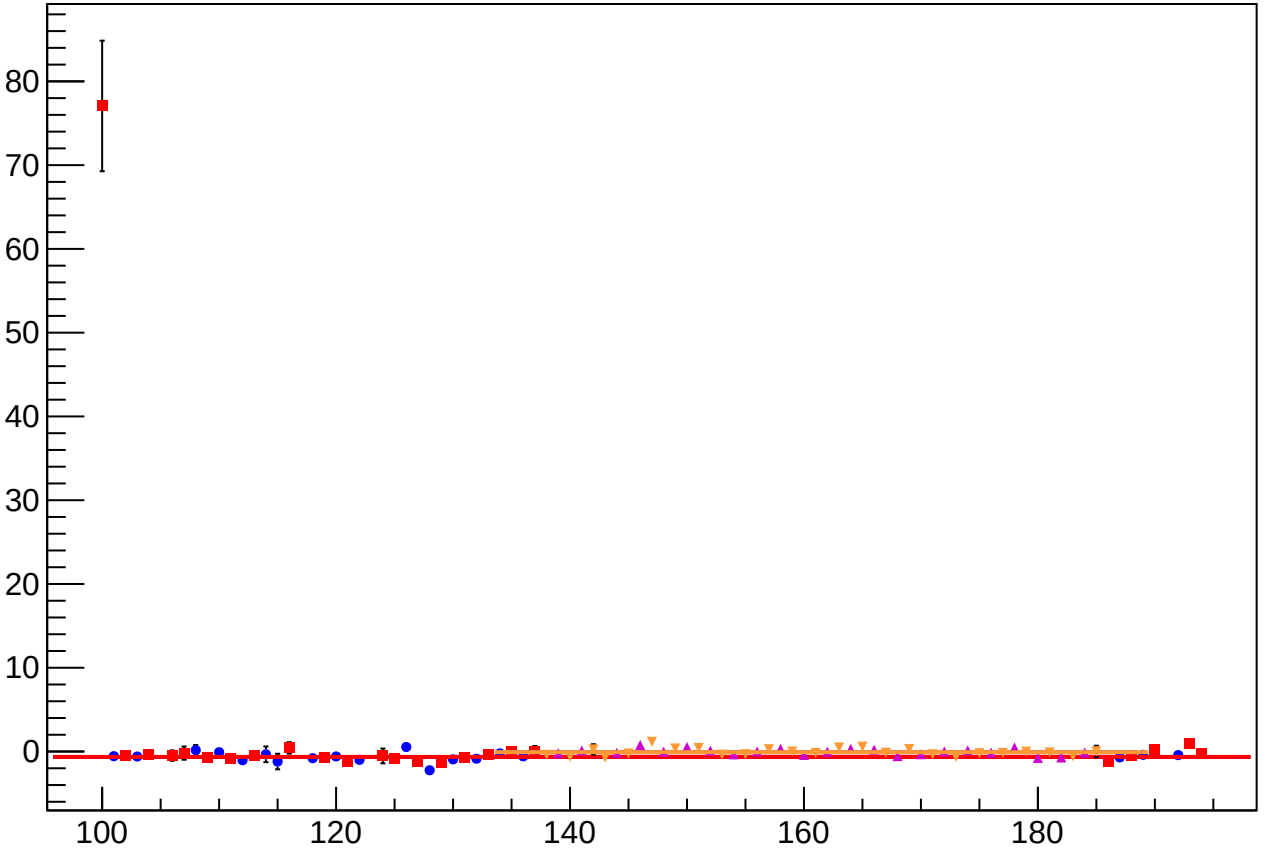
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.124+/-0.051 χ^2/NDF: 68.1/43

All: -0.167+/-0.036 χ^2/NDF: 160.5/90

- sign -0.208+/-0.051 χ^2/NDF: 91.0/46

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: -0.644+/-0.074 χ^2/NDF: 136.6/23

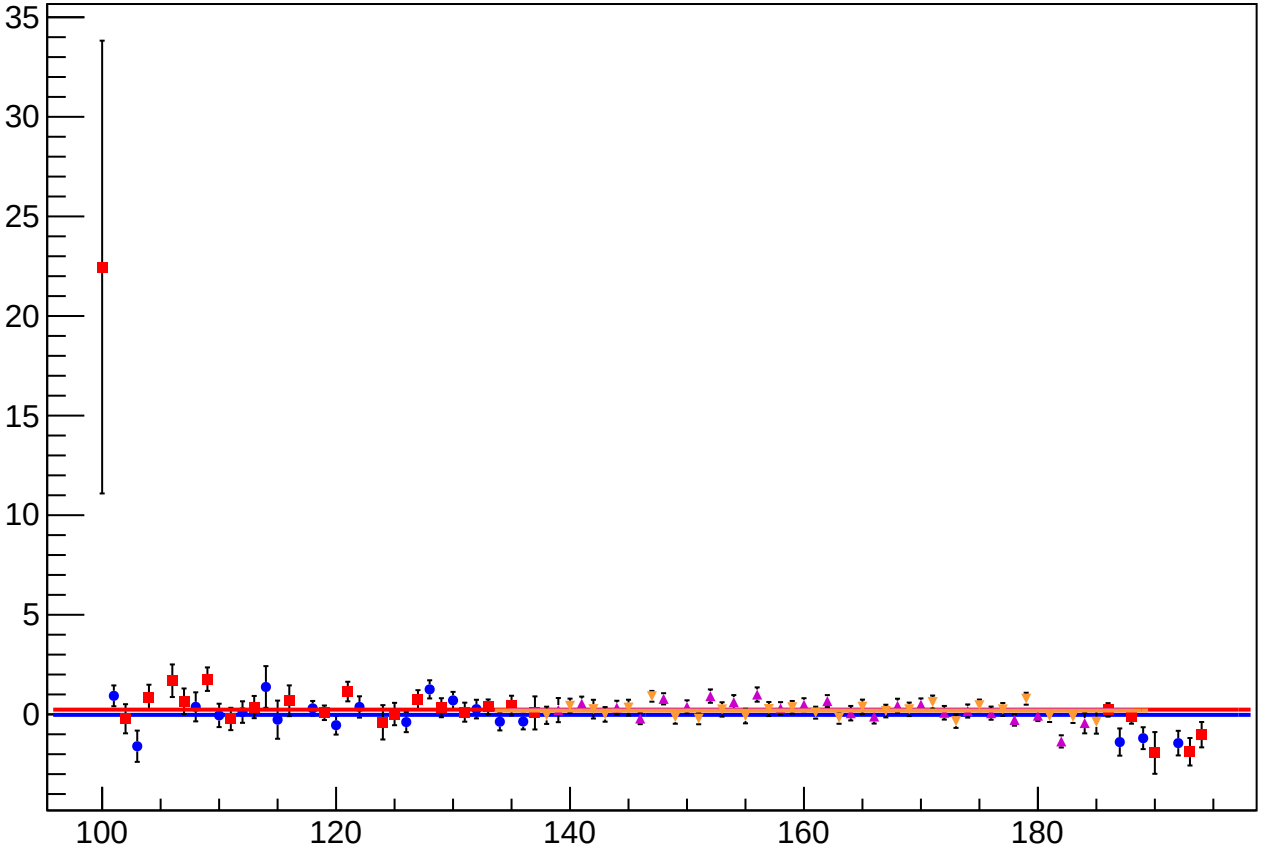
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.297+/-0.060 χ^2/NDF: 78.0/43

All: -0.342+/-0.040 χ^2/NDF: 271.6/90

- sign -0.377+/-0.054 χ^2/NDF: 192.7/46

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: 0.238+/-0.109 χ^2/NDF: 41.0/23

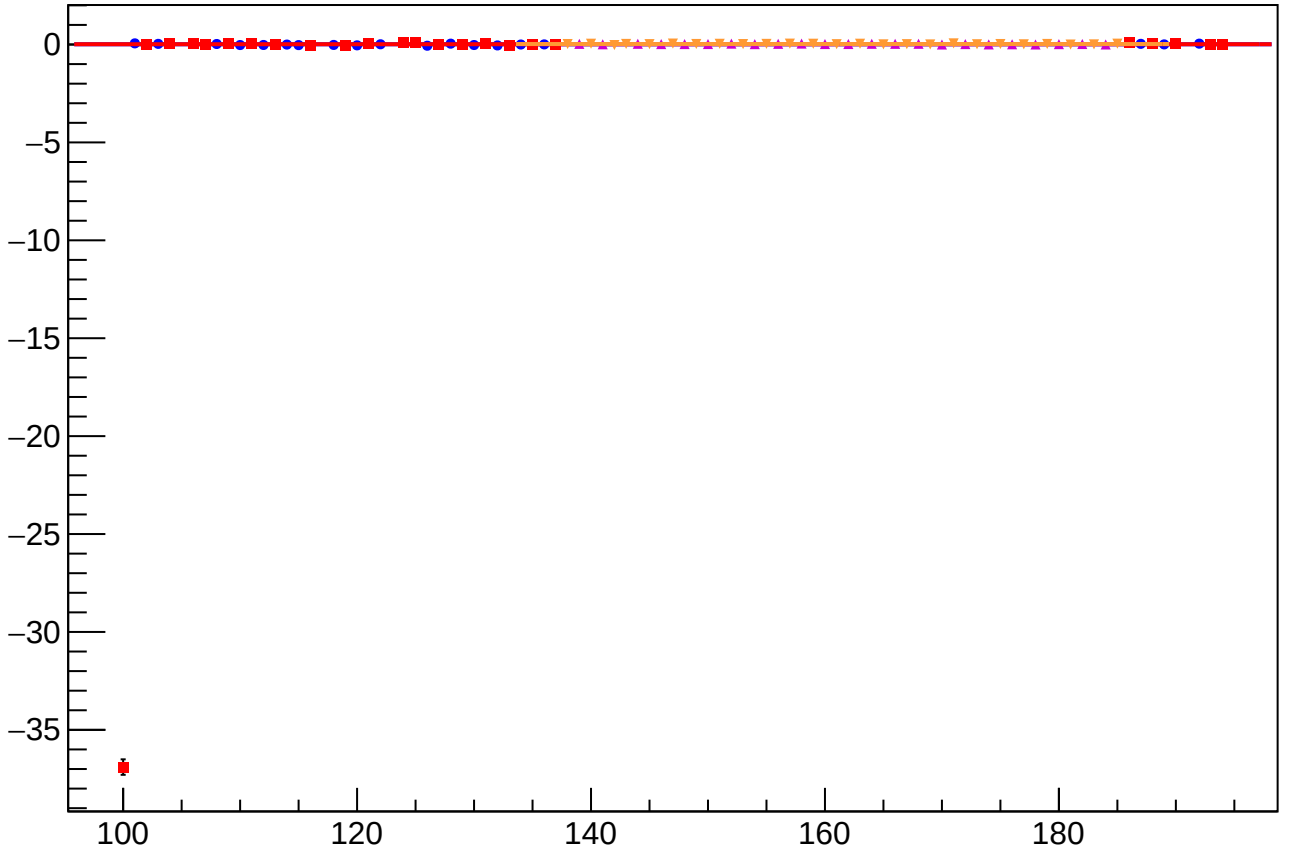
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.142+/-0.058 χ^2/NDF: 67.3/43

All: 0.182+/-0.041 χ^2/NDF: 164.3/90

- sign 0.222+/-0.058 χ^2/NDF: 96.1/46

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: 0.015+/-0.006 χ^2/NDF: 8775.7/23

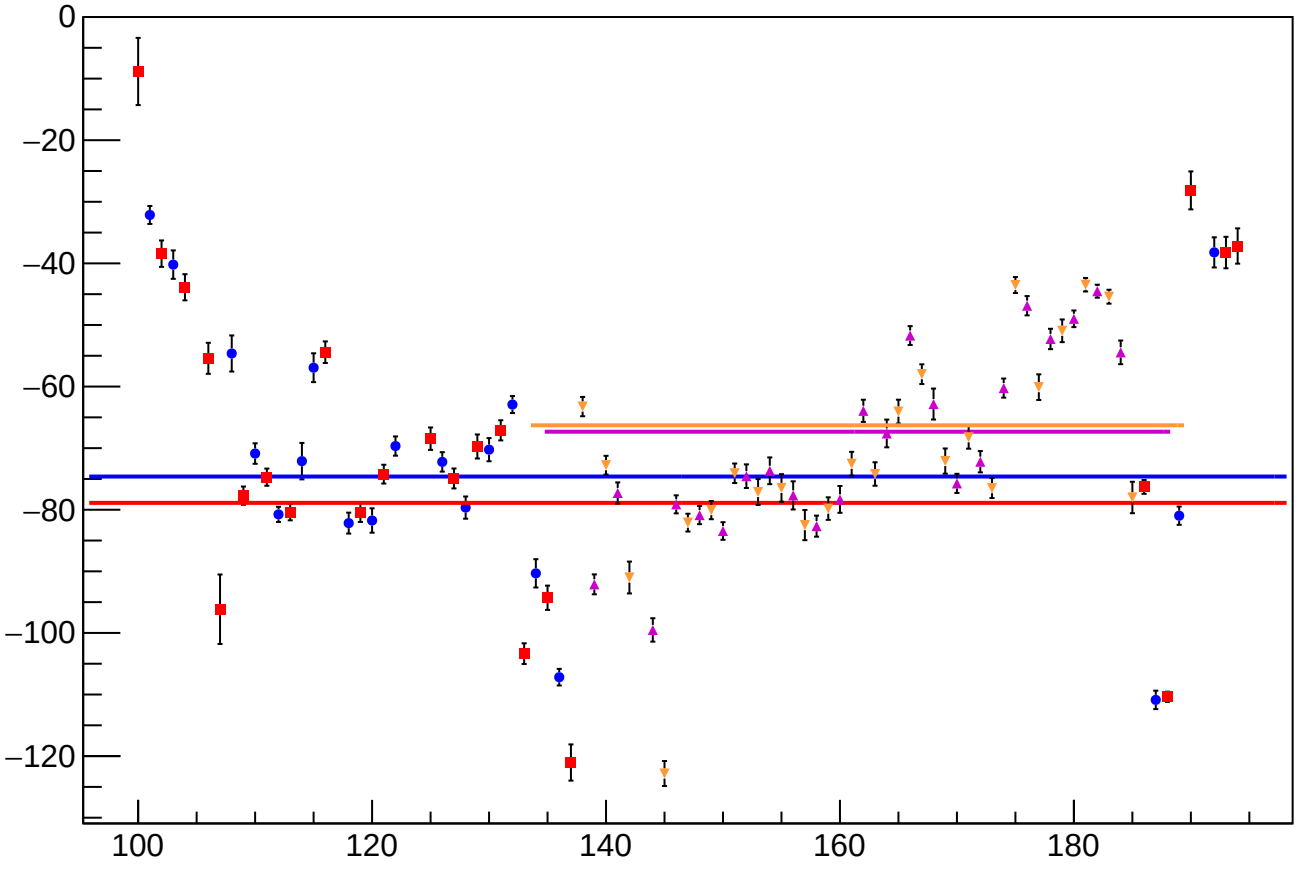
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.022+/-0.003 χ^2/NDF: 54.6/43

All: 0.022+/-0.002 χ^2/NDF: 8850.4/90

- sign 0.022+/-0.003 χ^2/NDF: 8795.8/46

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: -78.882+/-0.353 χ^2/NDF: 3883.3/22

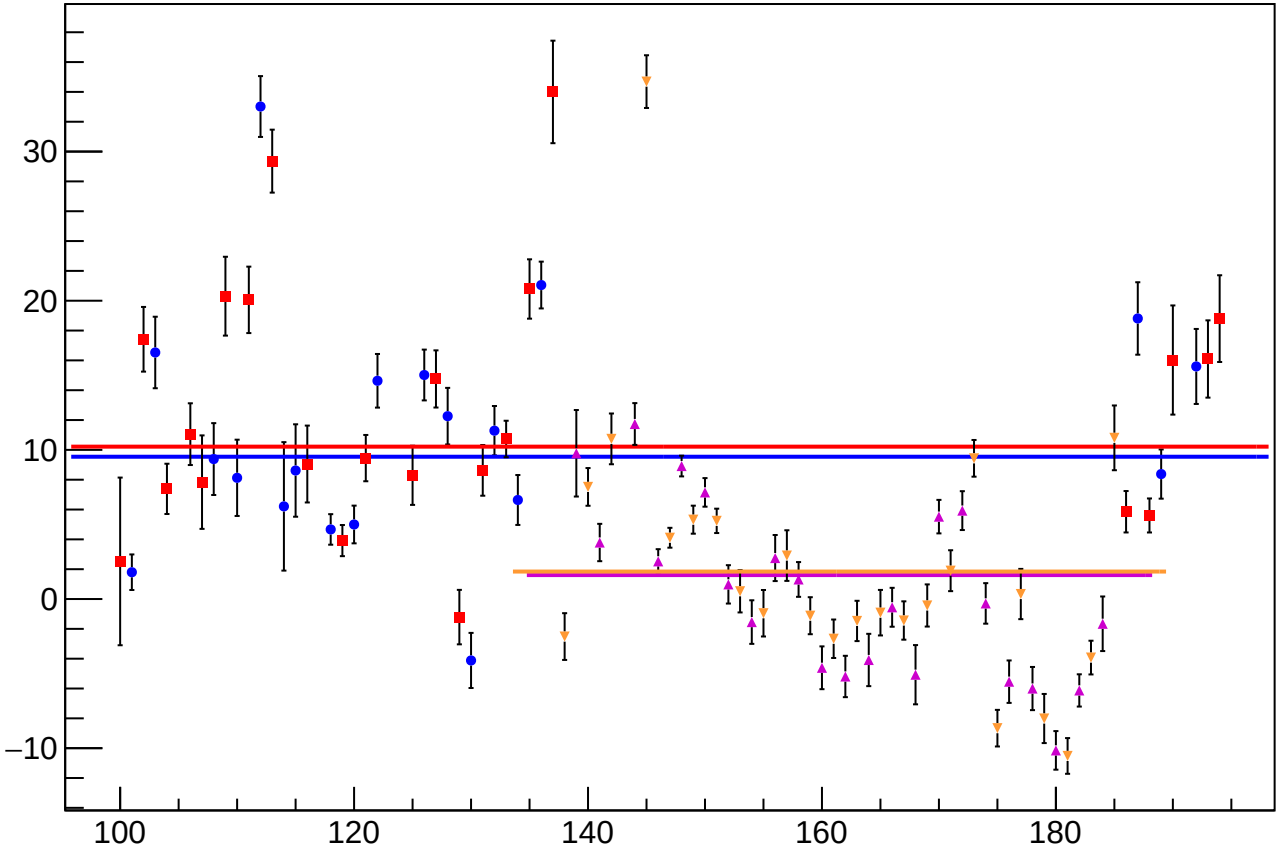
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.881+/-0.259 χ^2/NDF: 5599.0/42

All: -71.505+/-0.179 χ^2/NDF: 12207.4/88

- sign -72.978+/-0.247 χ^2/NDF: 6533.5/45

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: 10.216+/-0.384 χ^2/NDF: 335.2/22

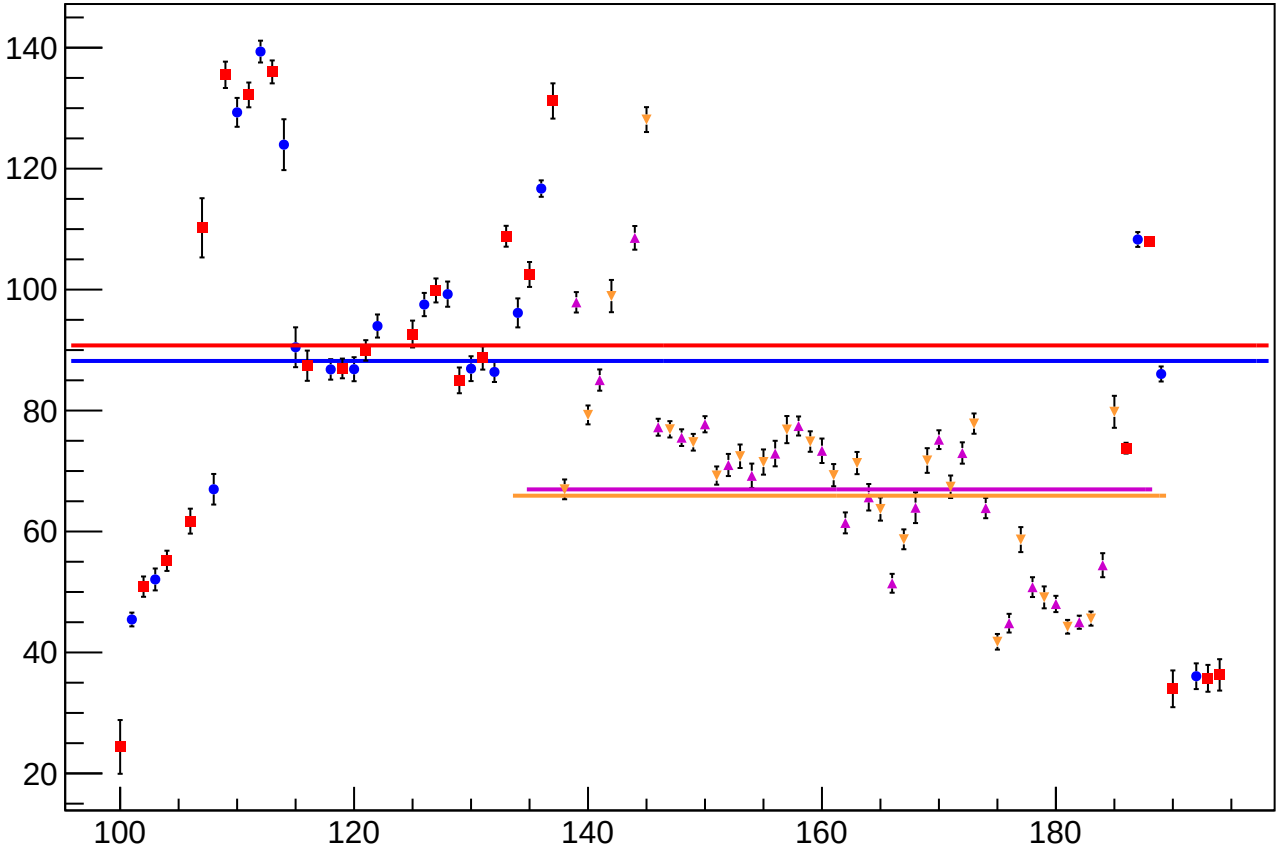
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

+ sign 4.054+/-0.215 χ^2/NDF: 1418.3/42

All: 4.173+/-0.152 χ^2/NDF: 2597.2/88

- sign 4.292+/-0.214 χ^2/NDF: 1178.3/45

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: 90.770+/-0.348 χ^2/NDF: 5655.7/22

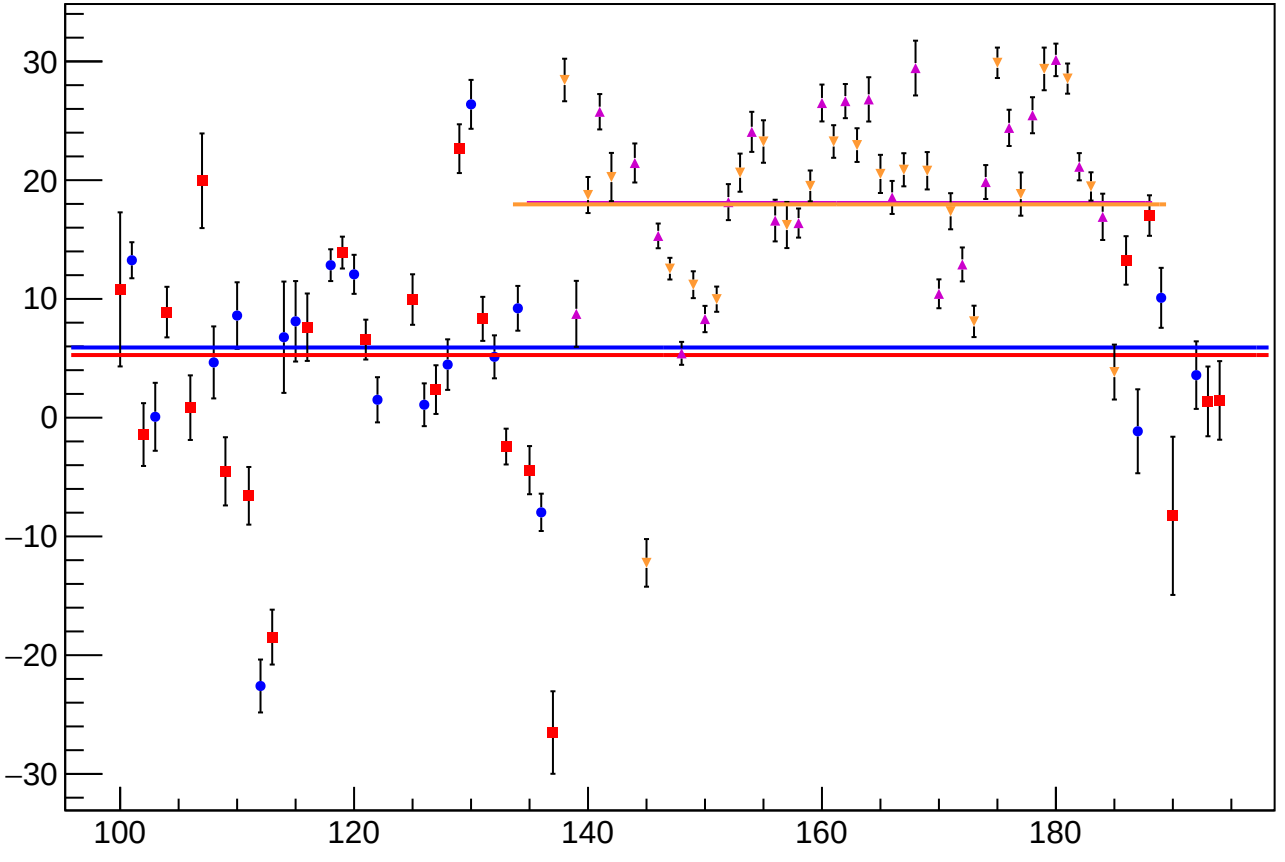
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 75.138+/-0.261 χ^2/NDF: 8758.4/42

All: 77.001+/-0.178 χ^2/NDF: 19116.0/88

- sign 78.628+/-0.244 χ^2/NDF: 10261.9/45

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: 5.274+/-0.463 χ^2/NDF: 493.6/22

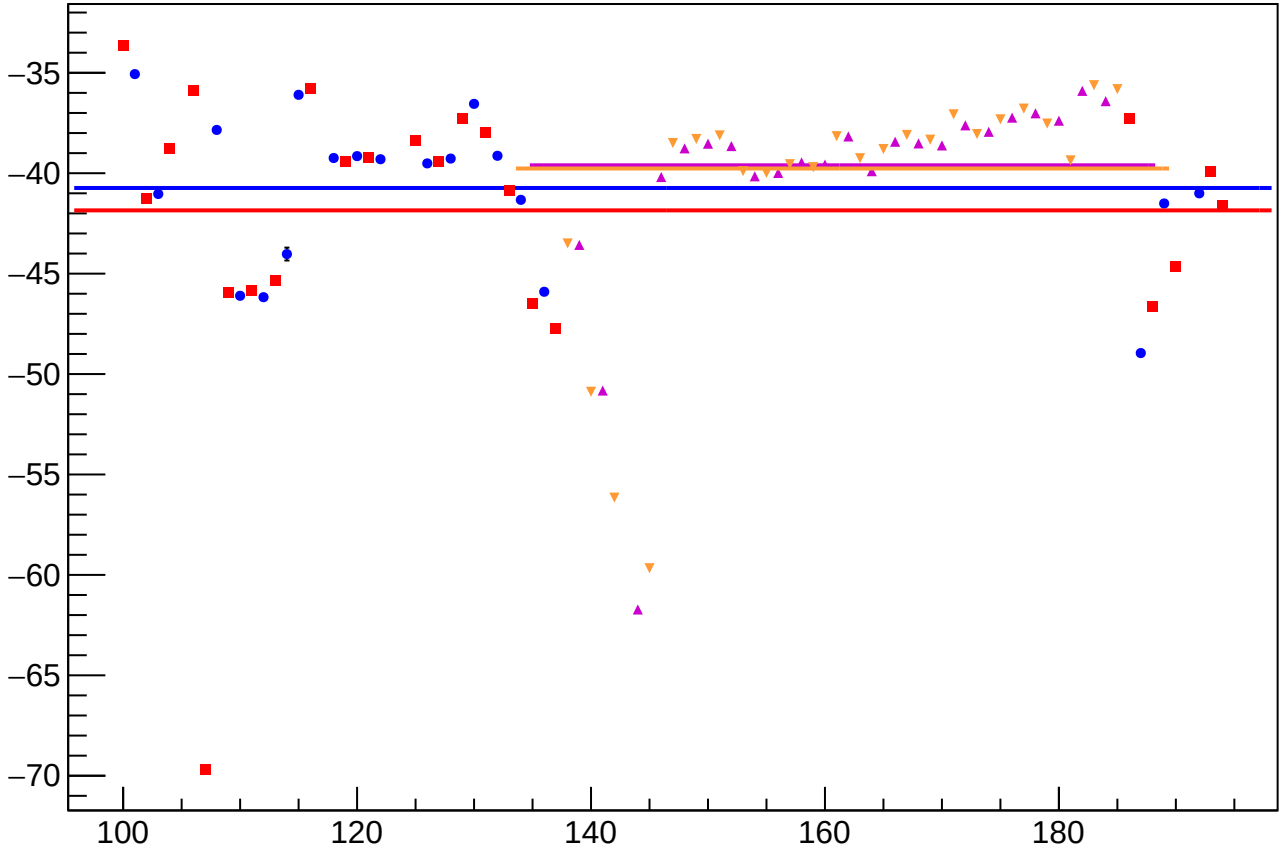
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.650+/-0.249 χ^2/NDF: 1634.8/42

All: 14.518+/-0.176 χ^2/NDF: 3278.2/88

- sign 14.385+/-0.249 χ^2/NDF: 1642.8/45

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: -41.850+/-0.025 χ^2/NDF: 41376.6/22

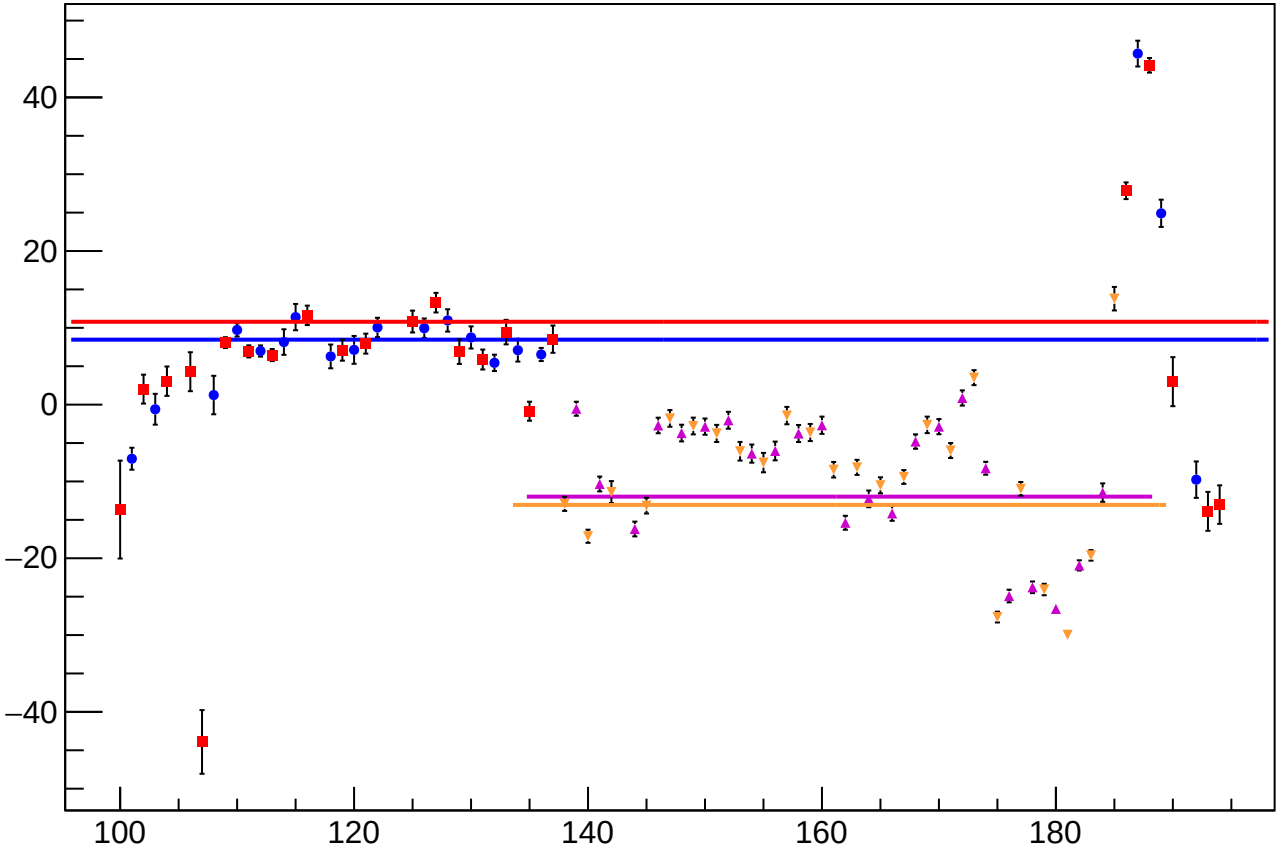
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.970+/-0.012 χ^2/NDF: 150983.7/42

All: -40.038+/-0.008 χ^2/NDF: 305305.1/88

- sign -40.104+/-0.012 χ^2/NDF: 154257.9/45

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: 10.790+/-0.271 χ^2/NDF: 2101.3/22

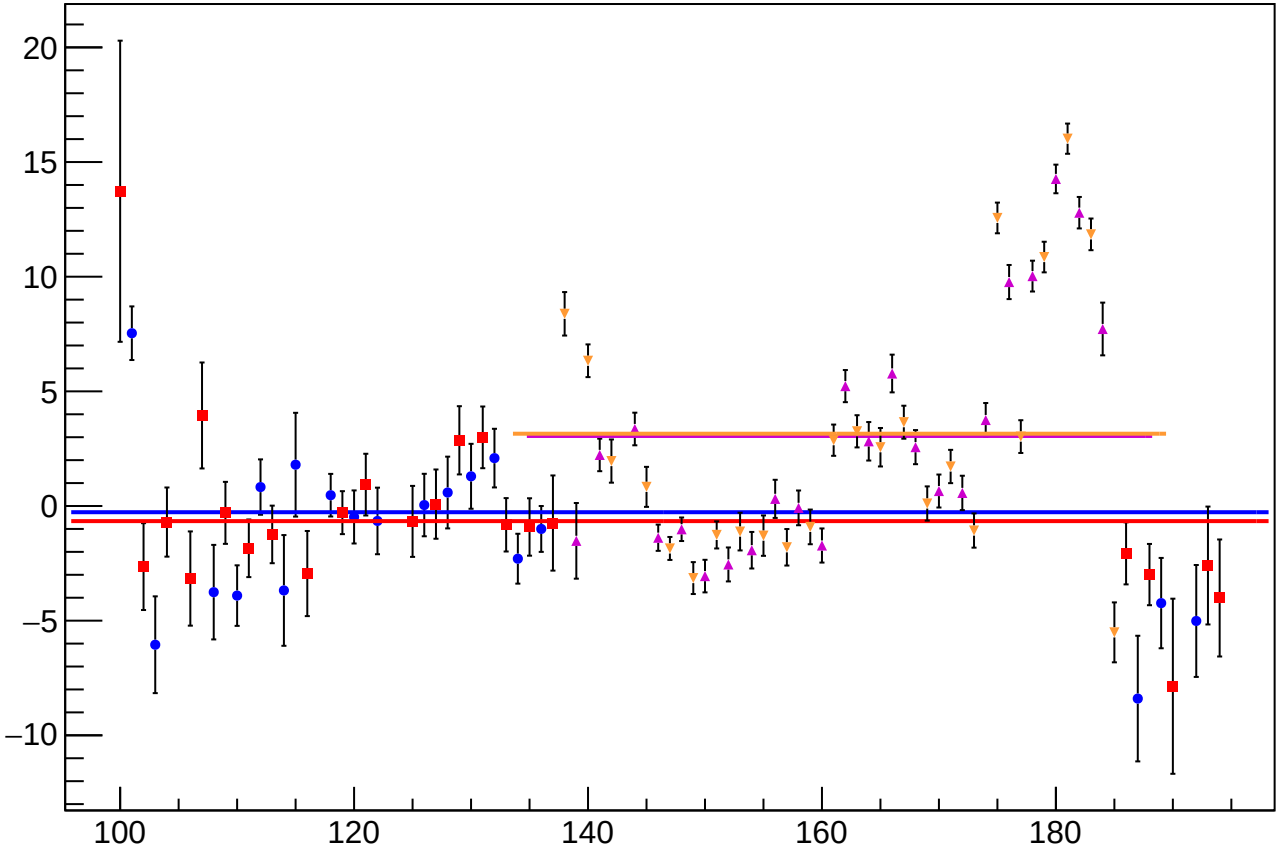
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

\+ sign -6.689+/-0.162 χ^2/NDF: 7366.9/42

All: -5.413+/-0.113 χ^2/NDF: 16409.0/88

\- sign -4.187+/-0.159 χ^2/NDF: 8920.0/45

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: -0.659+/-0.318 χ^2/NDF: 38.9/22

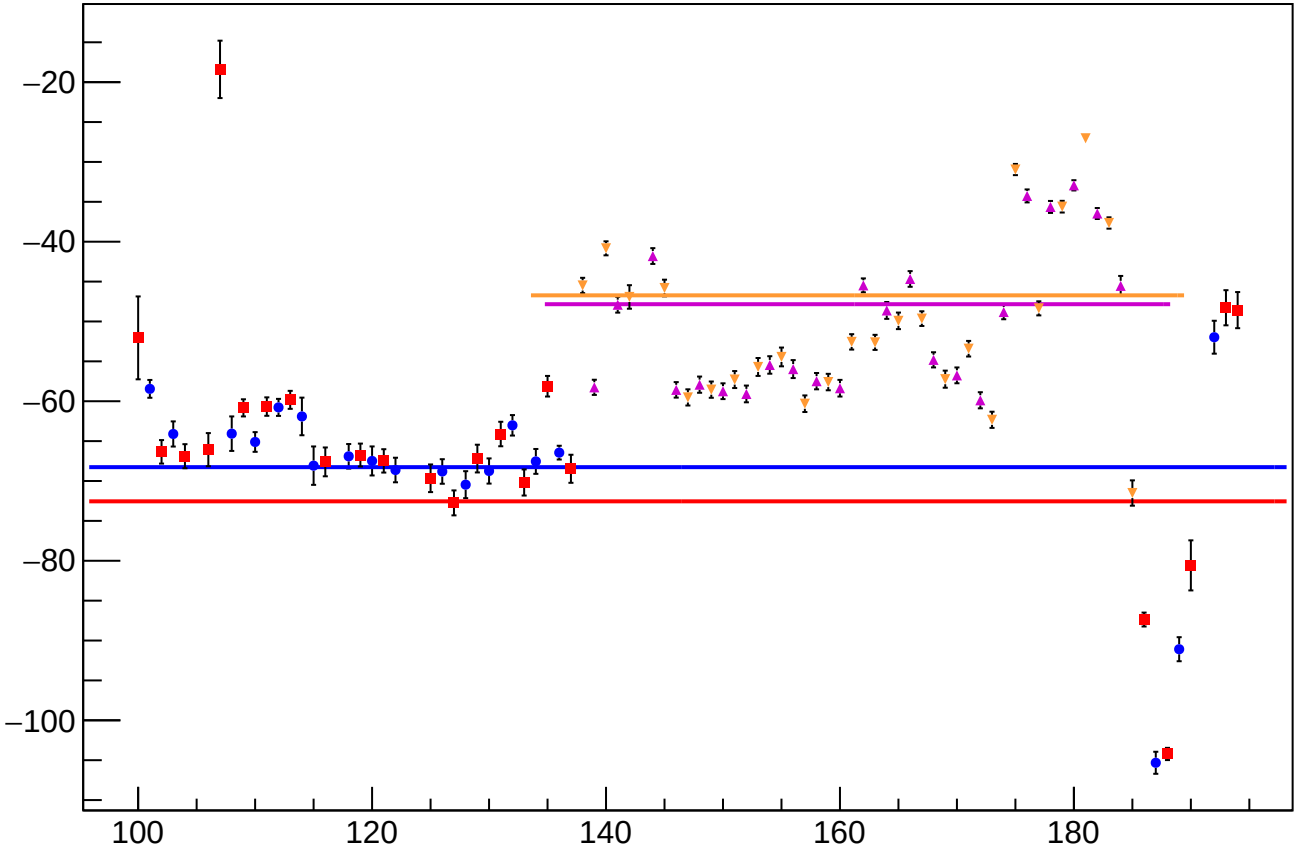
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.548+/-0.135 χ^2/NDF: 1570.8/42

All: 2.456+/-0.096 χ^2/NDF: 2866.9/88

- sign 2.363+/-0.137 χ^2/NDF: 1295.1/45

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: -72.549+/-0.299 χ^2/NDF: 3084.0/22

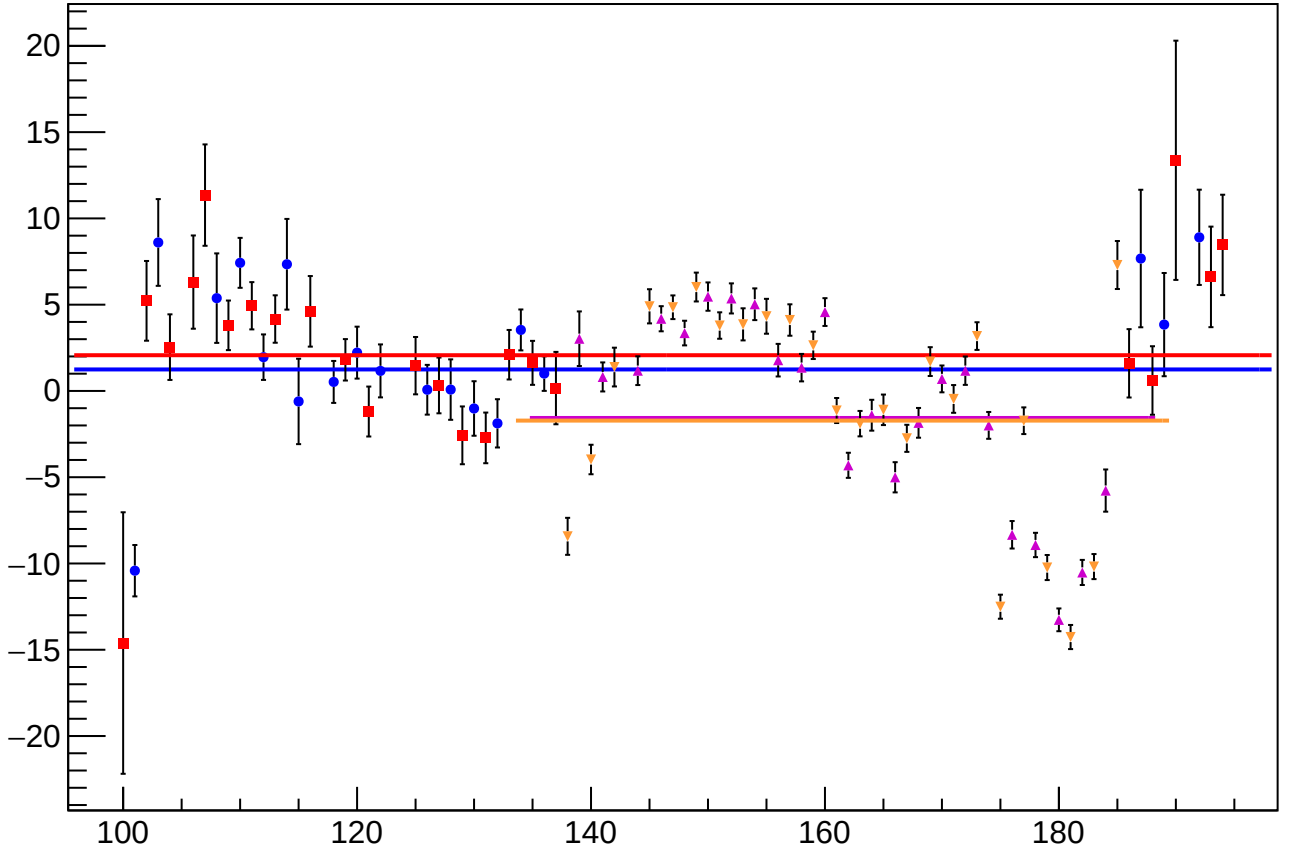
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -52.151+/-0.166 χ^2/NDF: 7818.5/42

All: -53.686+/-0.116 χ^2/NDF: 18449.4/88

- sign -55.165+/-0.163 χ^2/NDF: 10462.3/45

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: 2.071+/-0.369 χ^2/NDF: 65.2/22

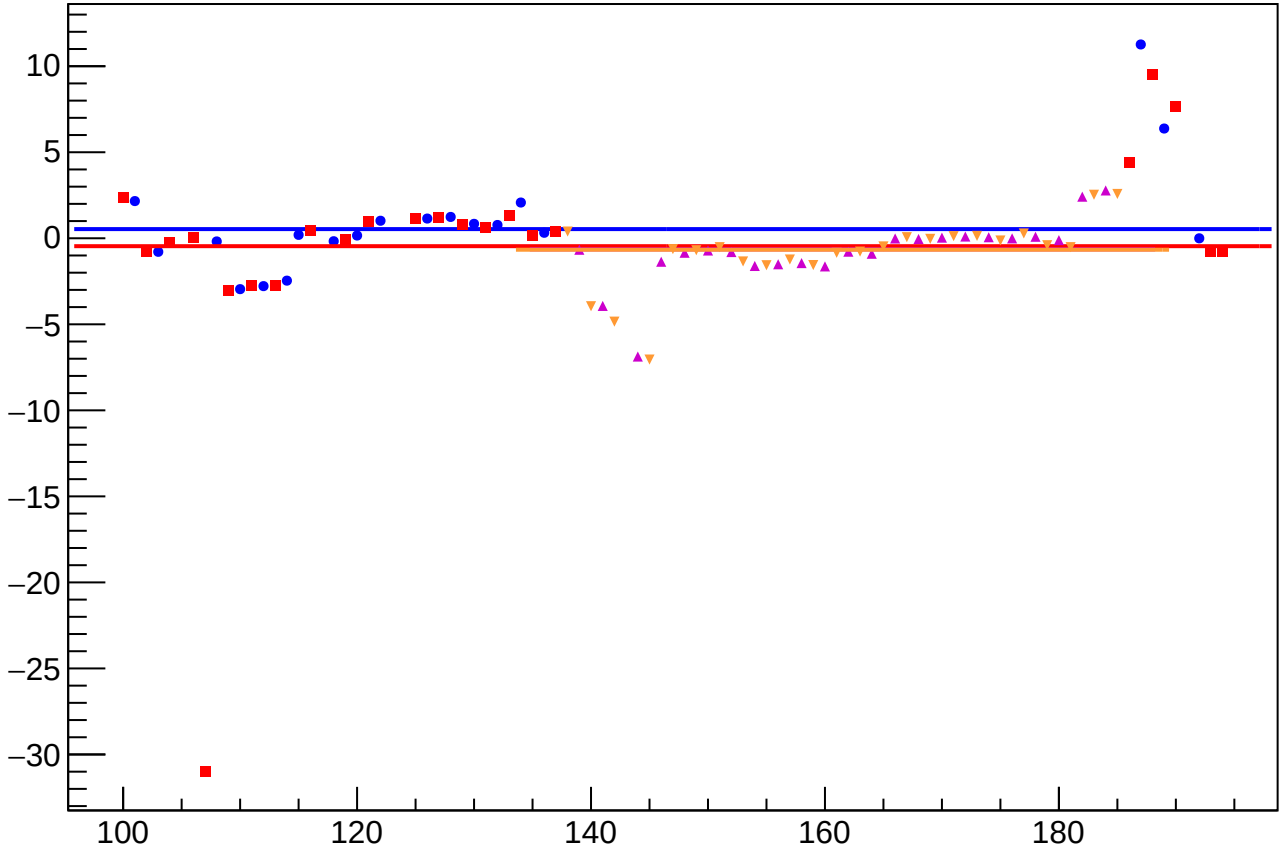
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.207+/-0.153 χ^2/NDF: 1580.6/42

All: -1.068+/-0.109 χ^2/NDF: 2845.2/88

- sign -0.925+/-0.155 χ^2/NDF: 1263.0/45

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: -0.459+/-0.020 χ^2/NDF: 59938.2/22

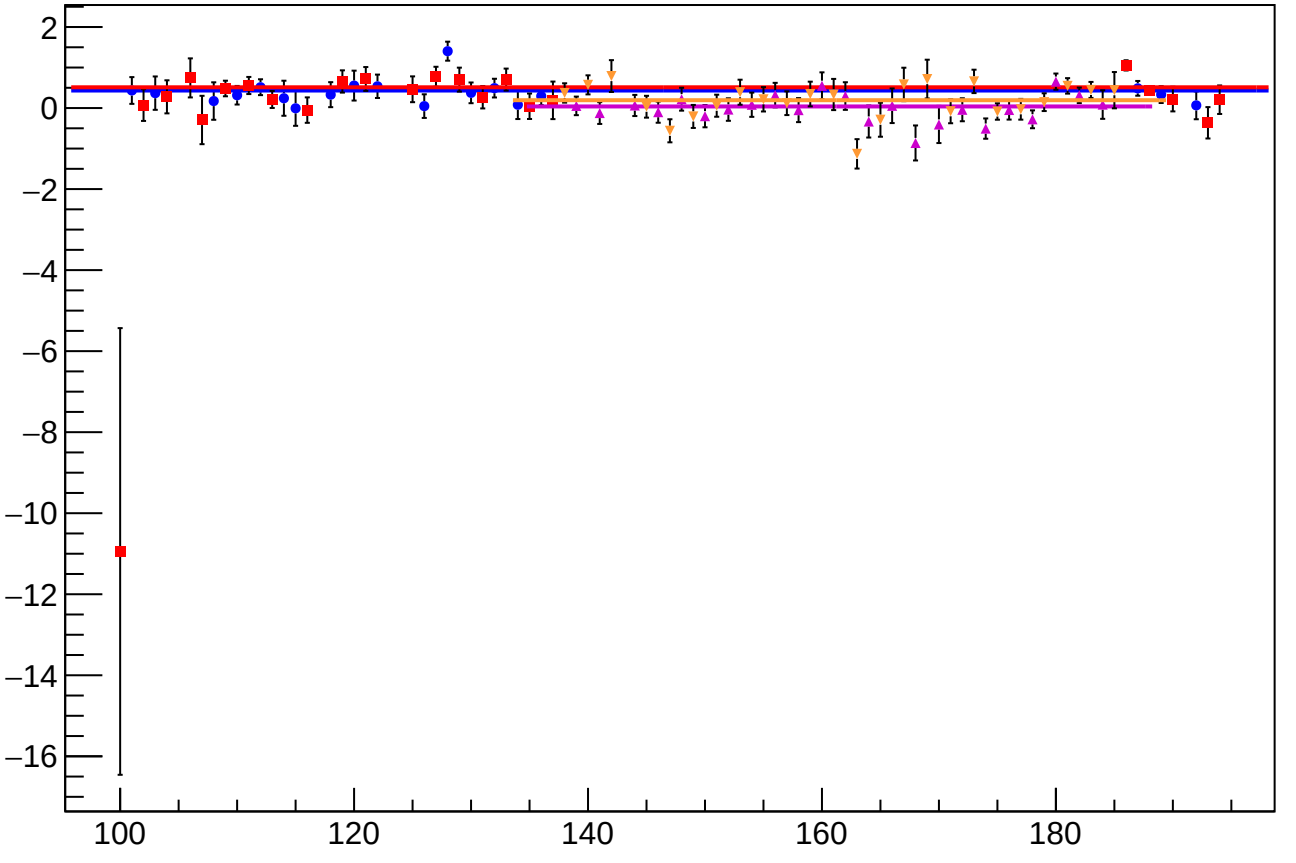
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.519+/-0.007 χ^2/NDF: 67808.5/42

All: -0.571+/-0.005 χ^2/NDF: 173500.1/88

- sign -0.623+/-0.007 χ^2/NDF: 105582.9/45

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: 0.512+/-0.051 χ^2/NDF: 45.4/22

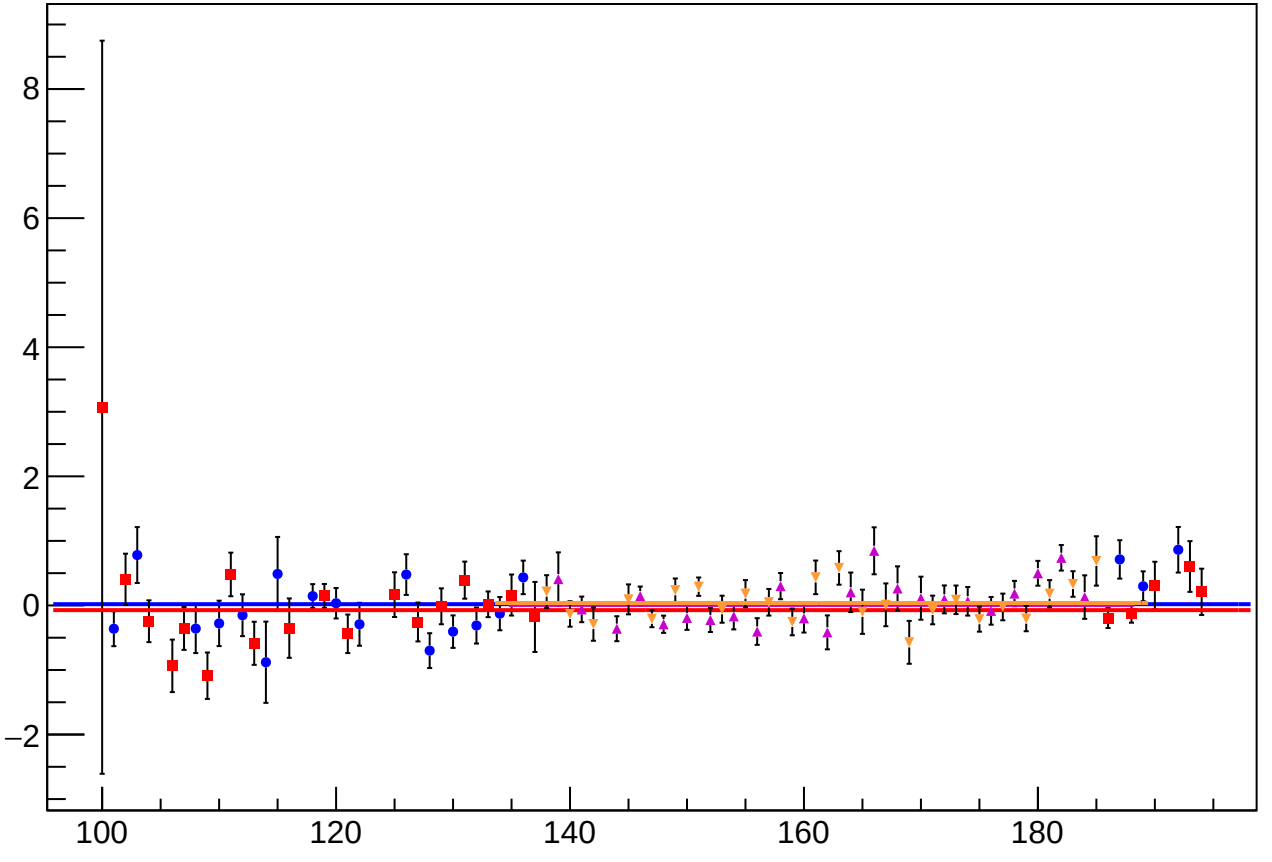
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.303+/-0.042 χ^2/NDF: 76.4/42

All: 0.304+/-0.028 χ^2/NDF: 190.2/88

- sign 0.305+/-0.038 χ^2/NDF: 113.7/45

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: -0.073+/-0.058 χ^2/NDF: 33.3/22

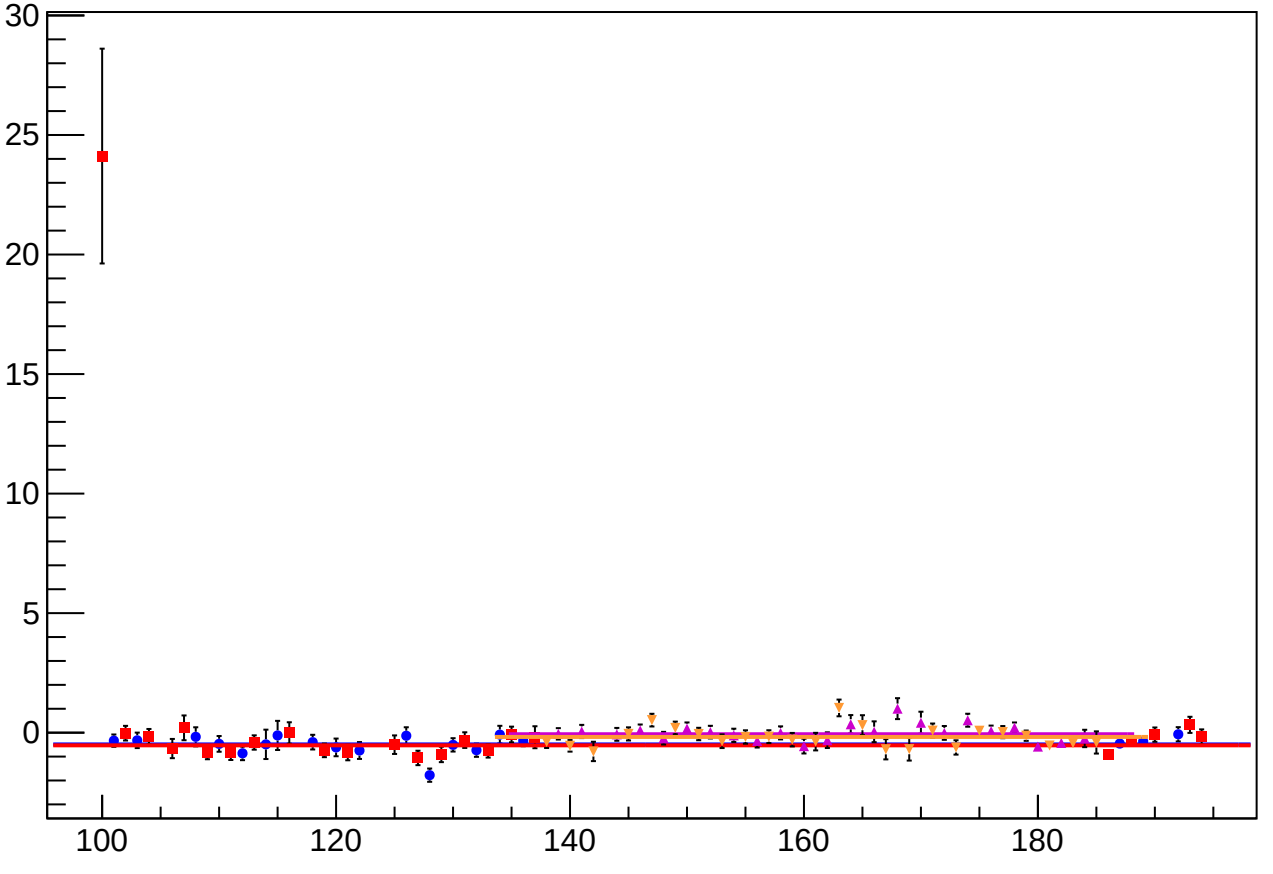
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.032+/-0.036 χ^2/NDF: 72.9/42

All: 0.005+/-0.025 χ^2/NDF: 159.9/88

- sign -0.021+/-0.035 χ^2/NDF: 85.9/45

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: -0.529+/-0.049 χ^2/NDF: 75.0/22

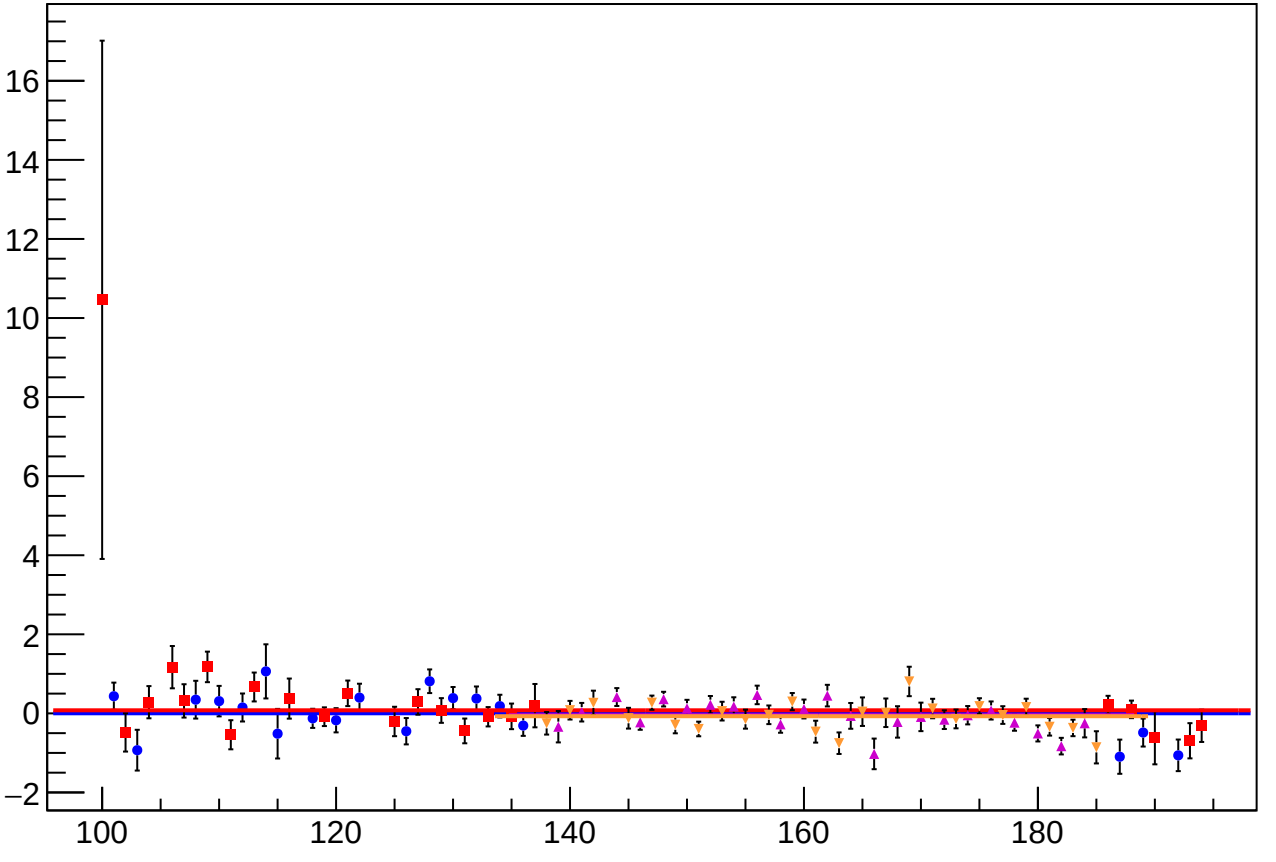
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.315+/-0.042 χ^2/NDF: 87.4/42

All: -0.326+/-0.028 χ^2/NDF: 232.3/88

- sign -0.334+/-0.037 χ^2/NDF: 144.8/45

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: 0.078+/-0.072 χ^2/NDF: 34.5/22

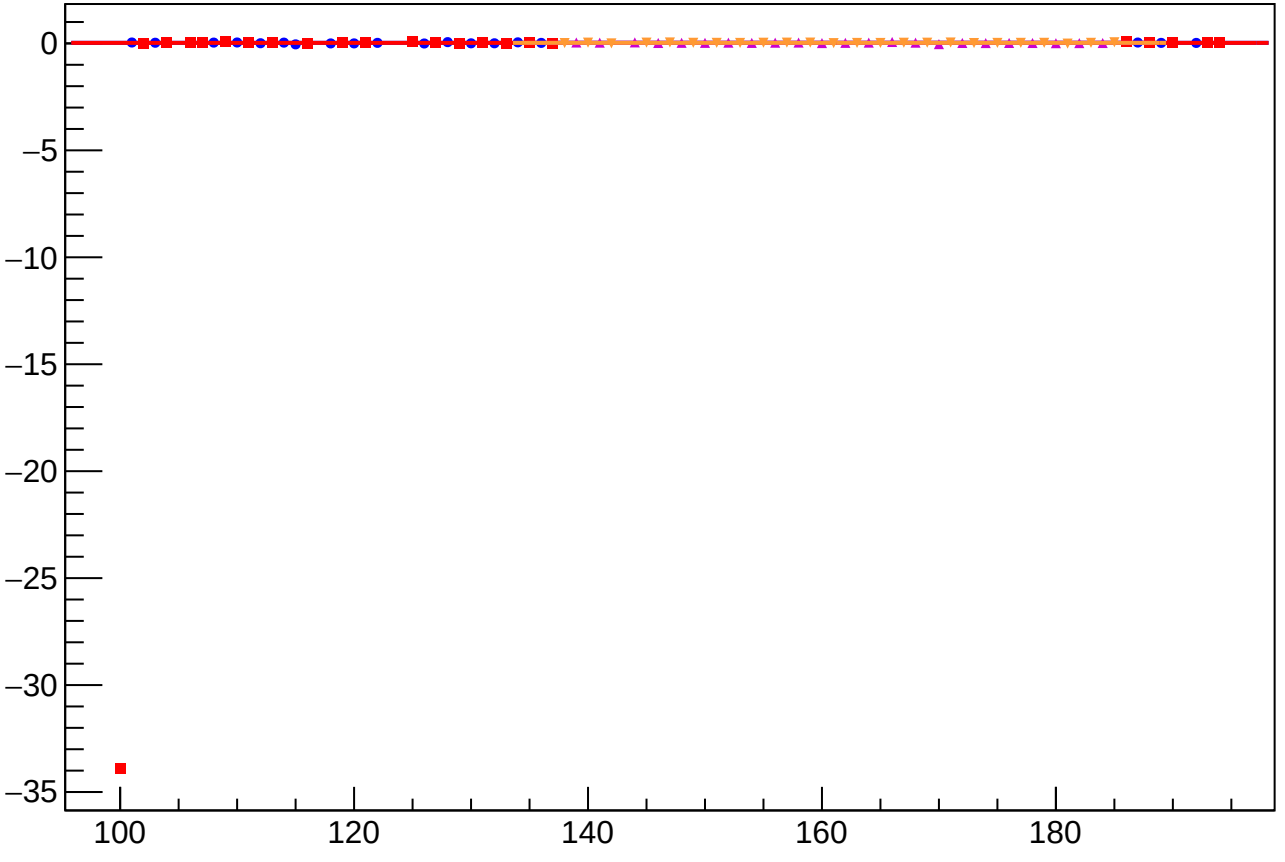
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.051+/-0.042 χ^2/NDF: 79.3/42

All: -0.028+/-0.029 χ^2/NDF: 166.9/88

- sign -0.006+/-0.041 χ^2/NDF: 87.0/45

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: 22304.2/22

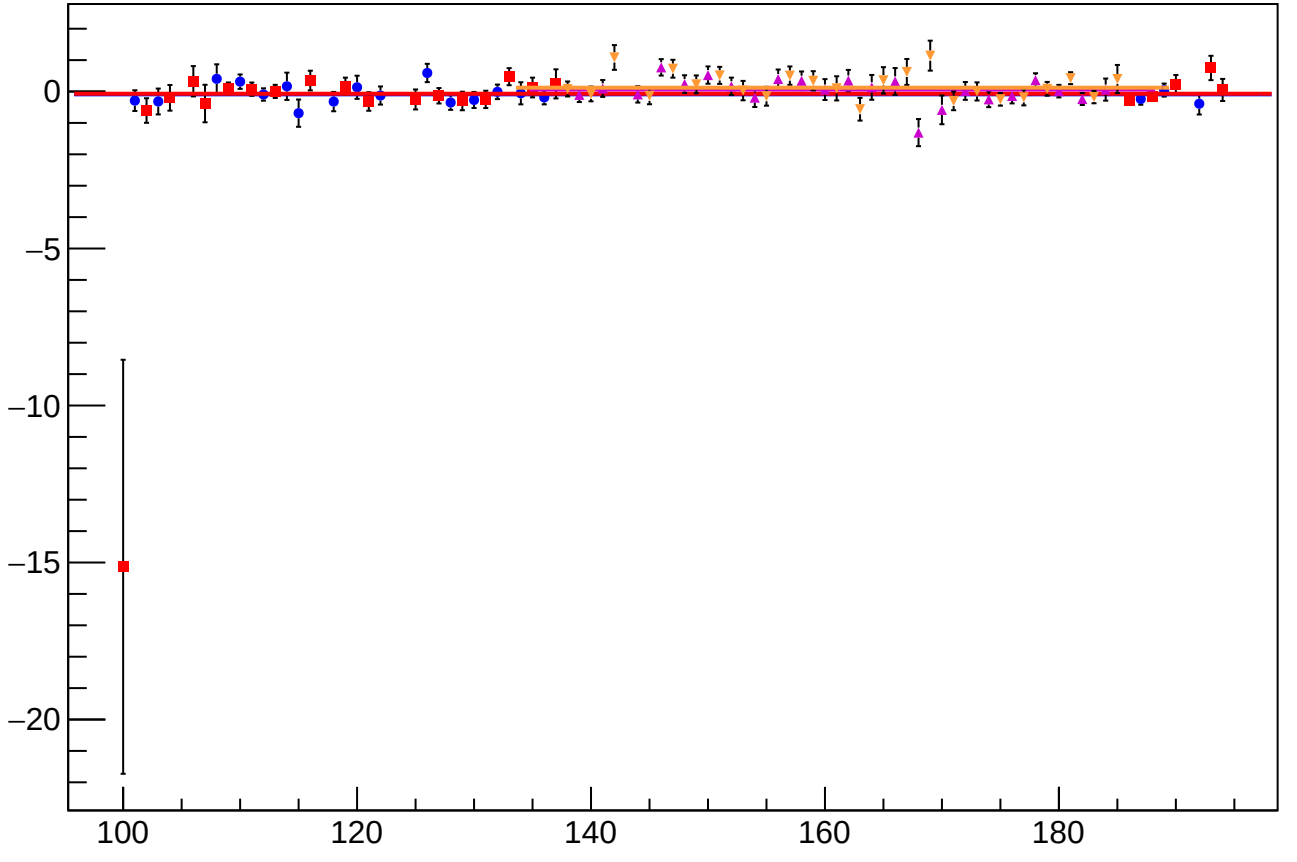
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.026+/-0.002 χ^2/NDF: 46.6/42

All: 0.026+/-0.001 χ^2/NDF: 22390.5/88

- sign 0.026+/-0.002 χ^2/NDF: 22343.9/45

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: -0.071+/-0.051 χ^2/NDF: 28.5/22

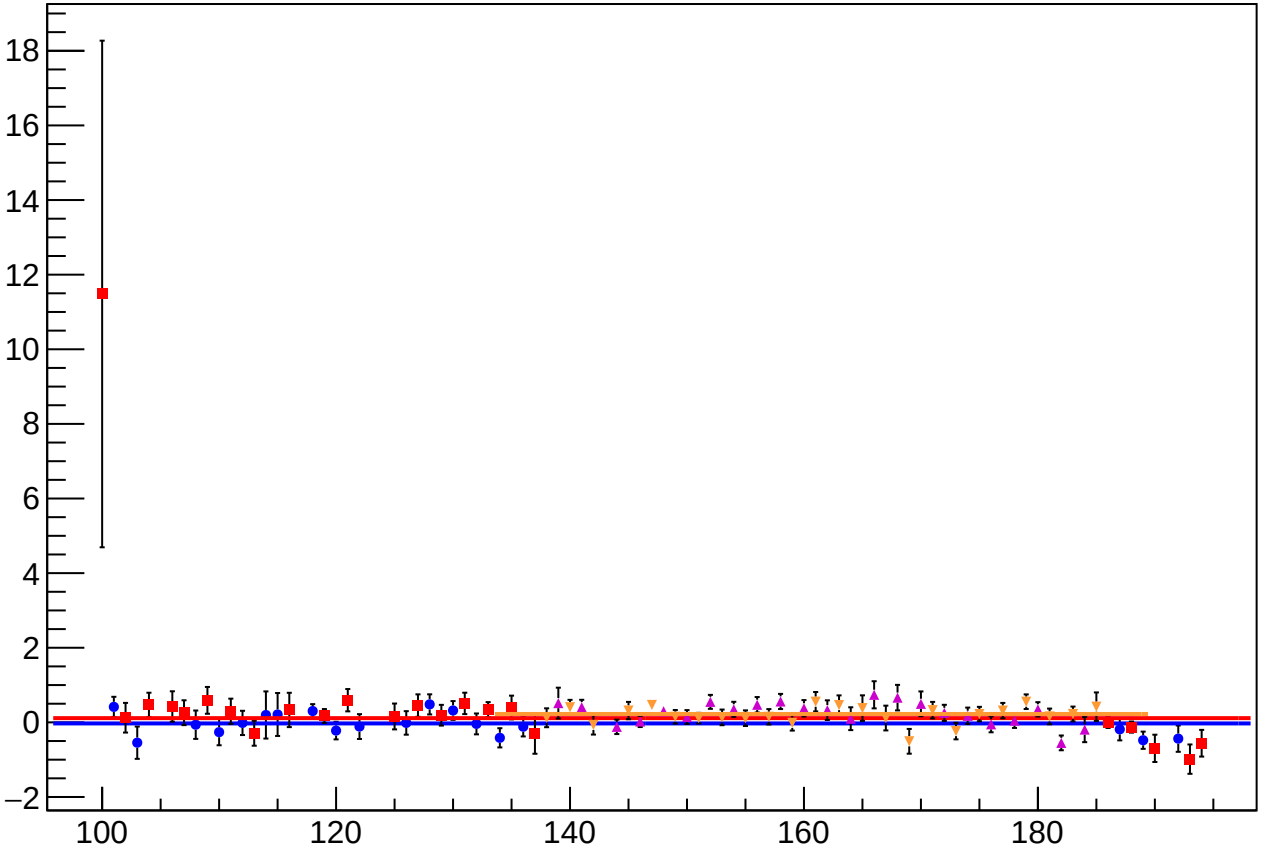
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.025+/-0.042 χ^2/NDF: 63.4/42

All: 0.005+/-0.028 χ^2/NDF: 129.6/88

- sign -0.012+/-0.038 χ^2/NDF: 65.8/45

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: 0.113+/-0.058 χ^2/NDF: 36.5/22

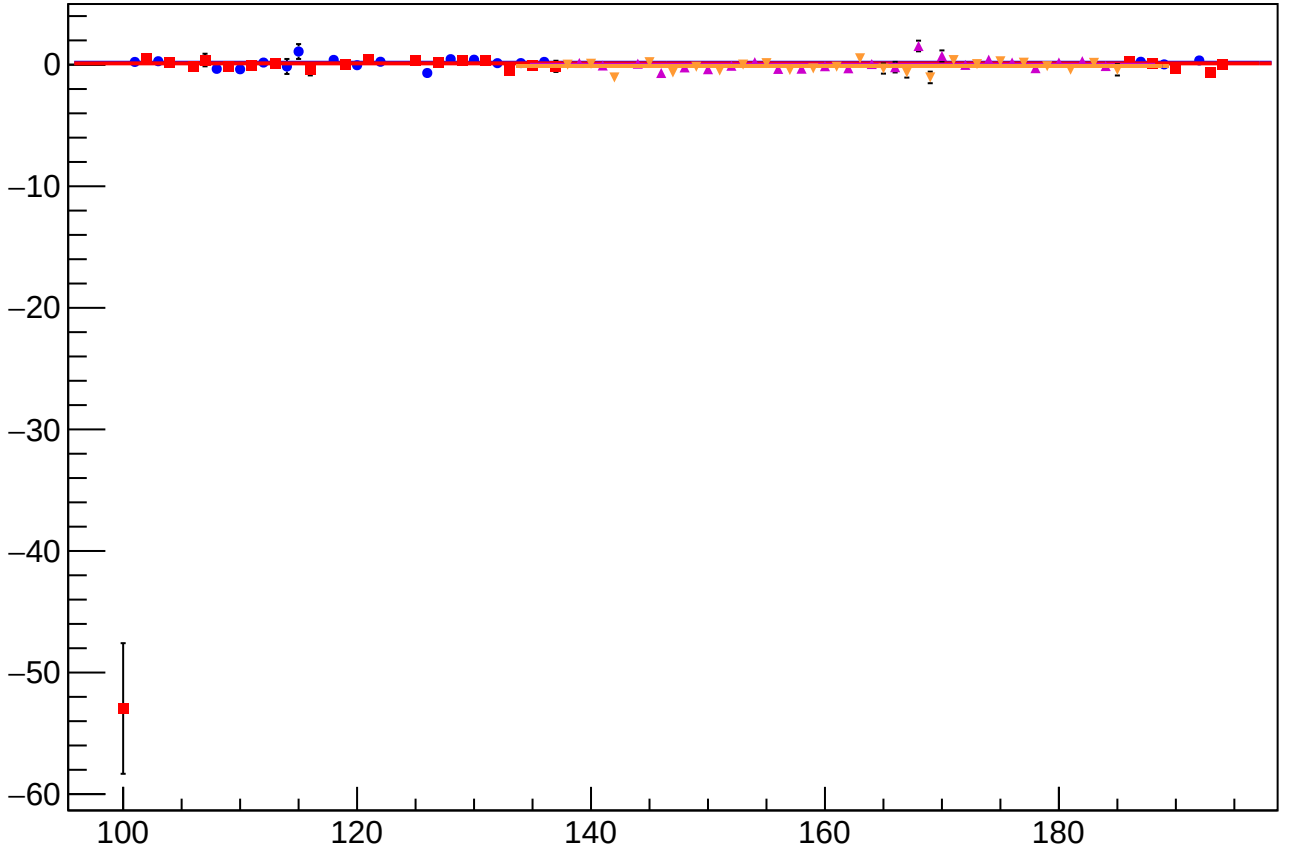
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.150+/-0.036 χ^2/NDF: 56.4/42

All: 0.166+/-0.025 χ^2/NDF: 134.8/88

- sign 0.182+/-0.035 χ^2/NDF: 78.0/45

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: 0.111+/-0.049 χ^2/NDF: 118.4/22

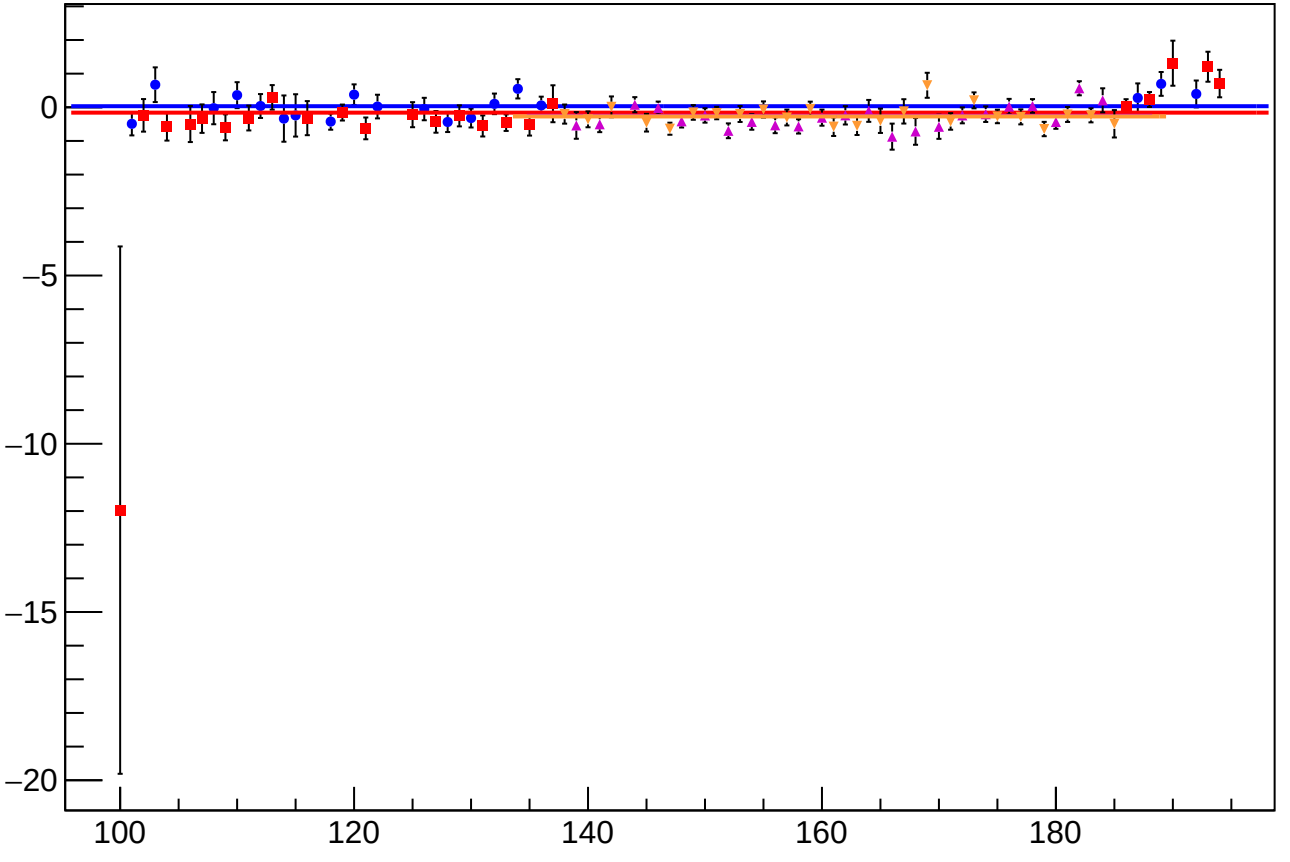
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.012+/-0.042 χ^2/NDF: 64.3/42

All: 0.039+/-0.028 χ^2/NDF: 224.0/88

- sign 0.060+/-0.037 χ^2/NDF: 158.9/45

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: -0.159+/-0.072 χ^2/NDF: 36.8/22

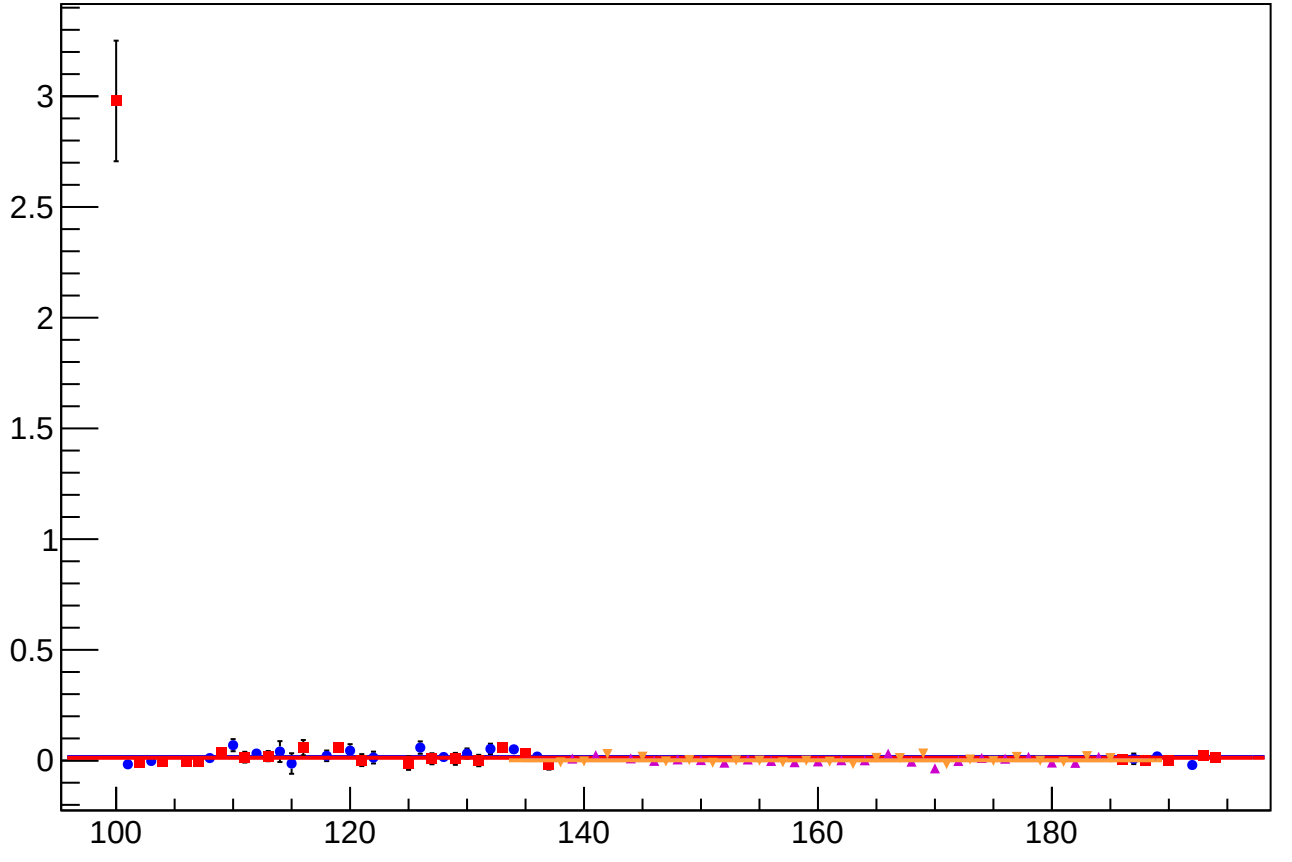
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.186+/-0.042 χ^2/NDF: 57.6/42

All: -0.205+/-0.029 χ^2/NDF: 136.6/88

- sign -0.223+/-0.041 χ^2/NDF: 78.6/45

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: 0.013+/-0.004 χ^2/NDF: 143.2/22

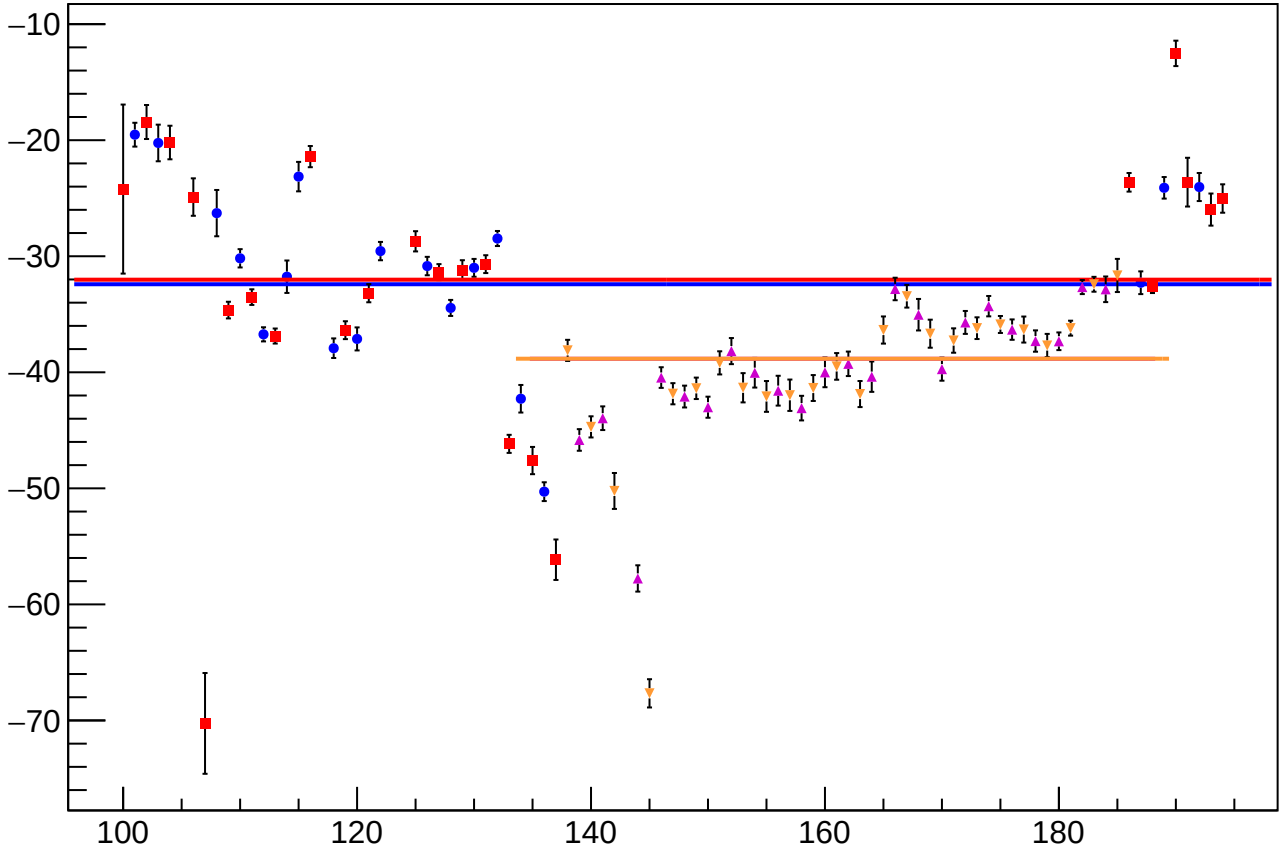
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.004+/-0.002 χ^2/NDF: 68.1/42

All: 0.005+/-0.001 χ^2/NDF: 241.4/88

- sign 0.005+/-0.002 χ^2/NDF: 173.2/45

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: -32.019+/-0.186 χ^2/NDF: 1707.5/23

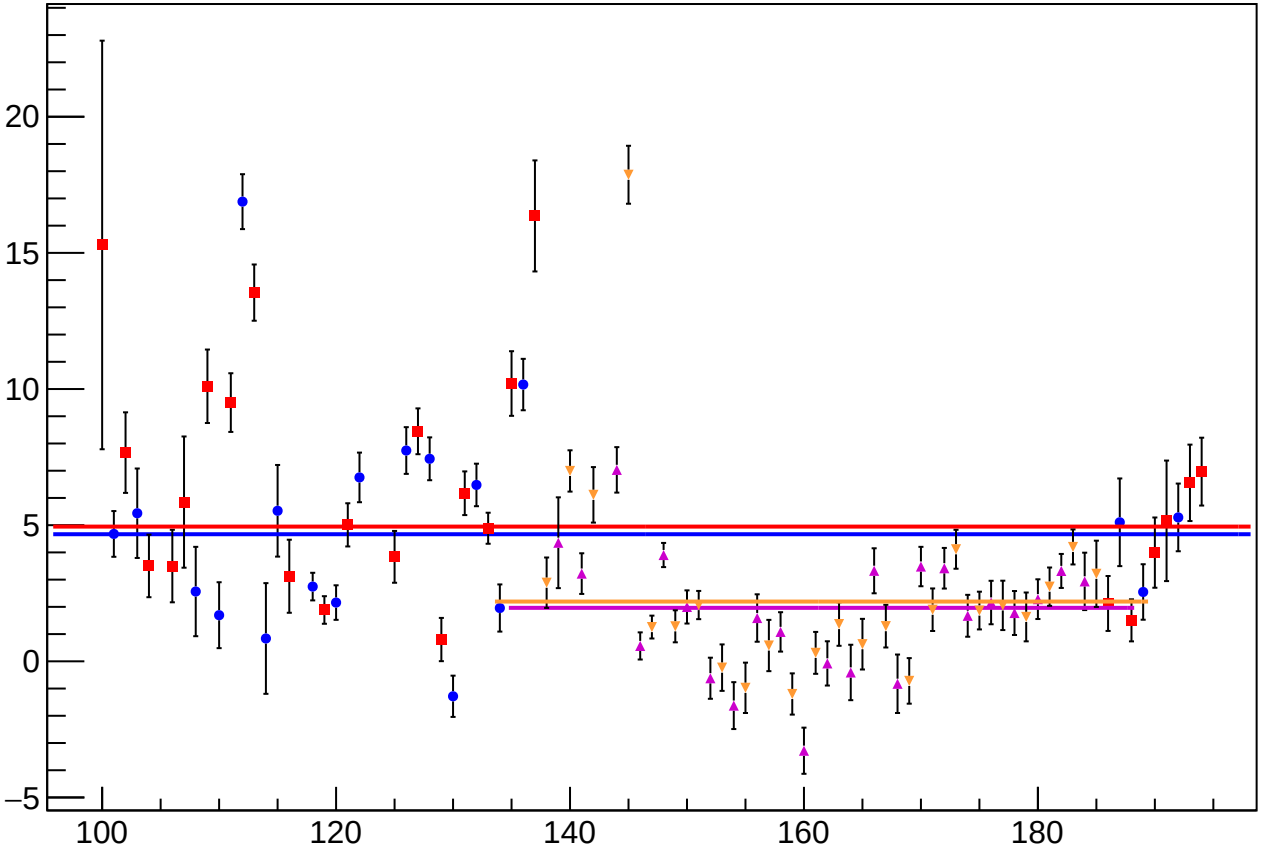
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -35.658+/-0.144 χ^2/NDF: 2568.7/42

All: -35.383+/-0.099 χ^2/NDF: 5547.2/89

- sign -35.132+/-0.137 χ^2/NDF: 2971.6/46

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: 4.948+/-0.201 χ^2/NDF: 279.6/23

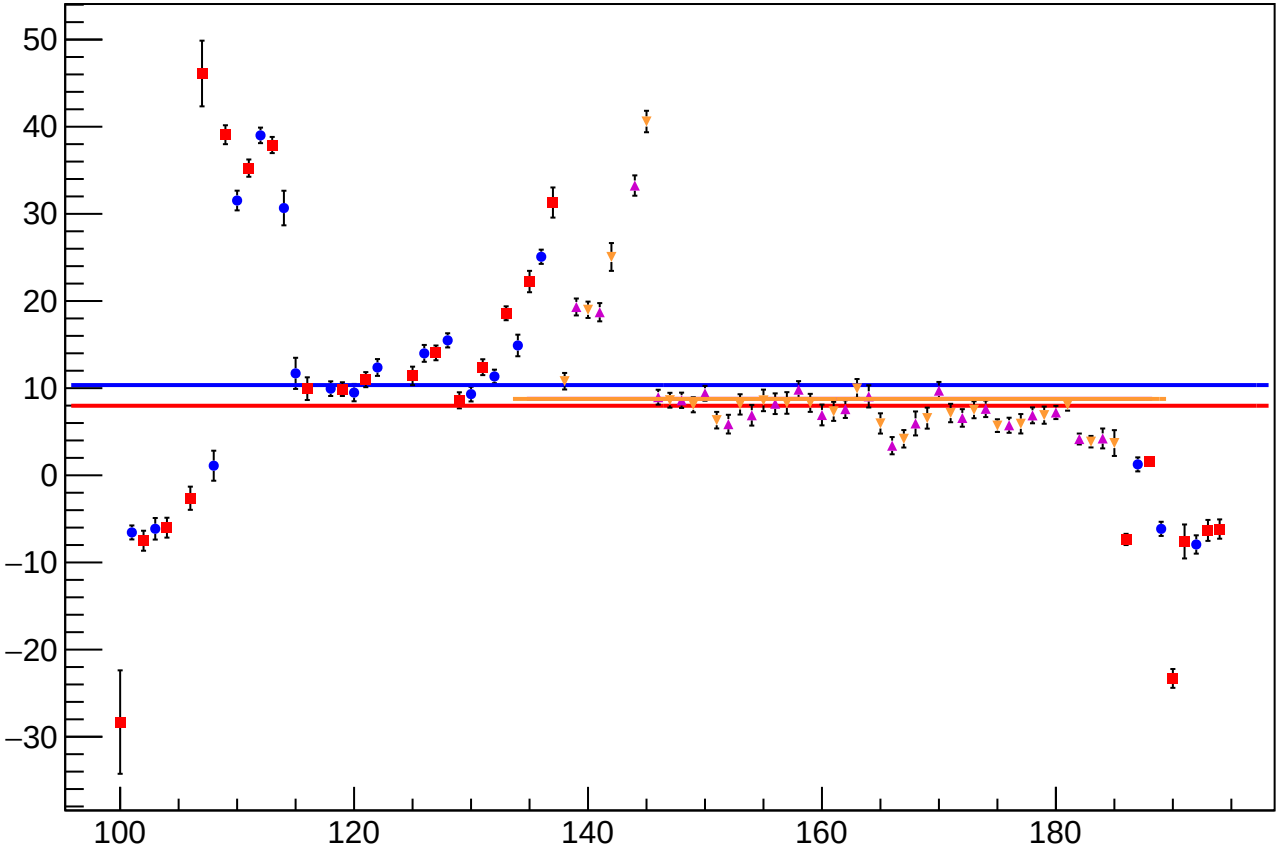
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.049+/-0.123 χ^2/NDF: 790.7/42

All: 3.061+/-0.087 χ^2/NDF: 1381.6/89

- sign 3.072+/-0.123 χ^2/NDF: 590.9/46

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: 7.981+/-0.196 χ^2/NDF: 5738.5/23

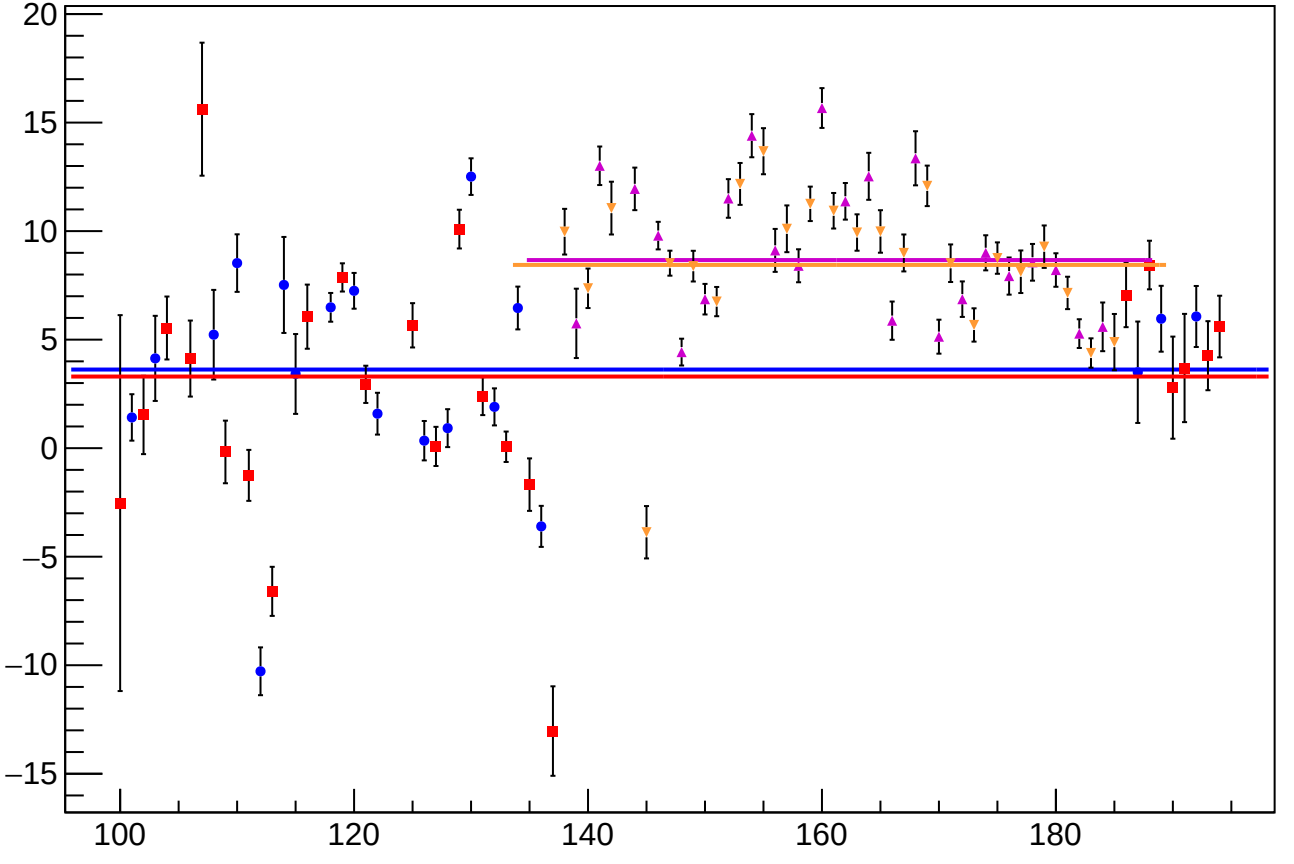
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 9.481+/-0.149 χ^2/NDF: 4444.8/42

All: 8.892+/-0.102 χ^2/NDF: 11016.0/89

- sign 8.366+/-0.140 χ^2/NDF: 6541.5/46

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: 3.300+/-0.238 χ^2/NDF: 379.4/23

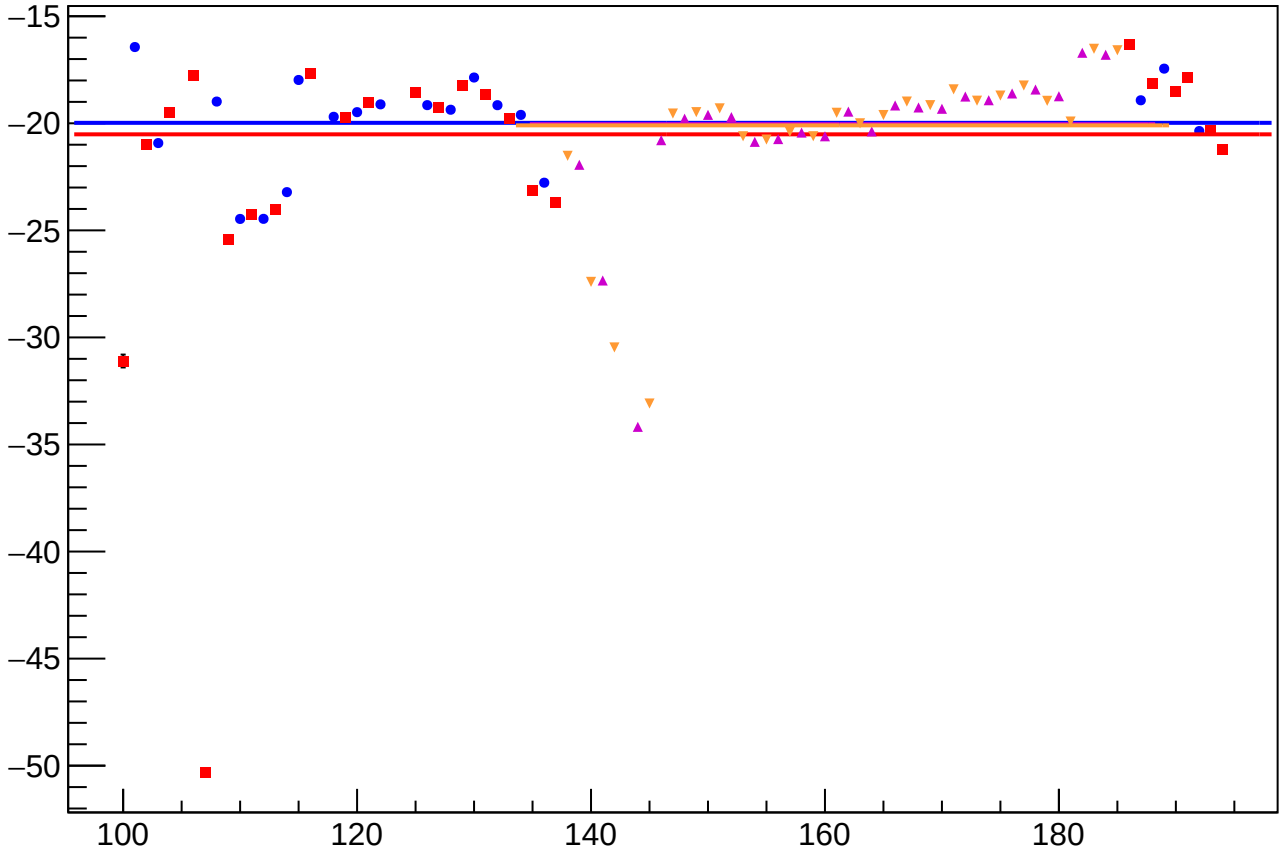
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.832+/-0.142 χ^2/NDF: 955.3/42

All: 6.805+/-0.100 χ^2/NDF: 1967.9/89

\- sign 6.778+/-0.141 χ^2/NDF: 1012.5/46

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: -20.515+/-0.013 χ^2/NDF: 64854.3/23

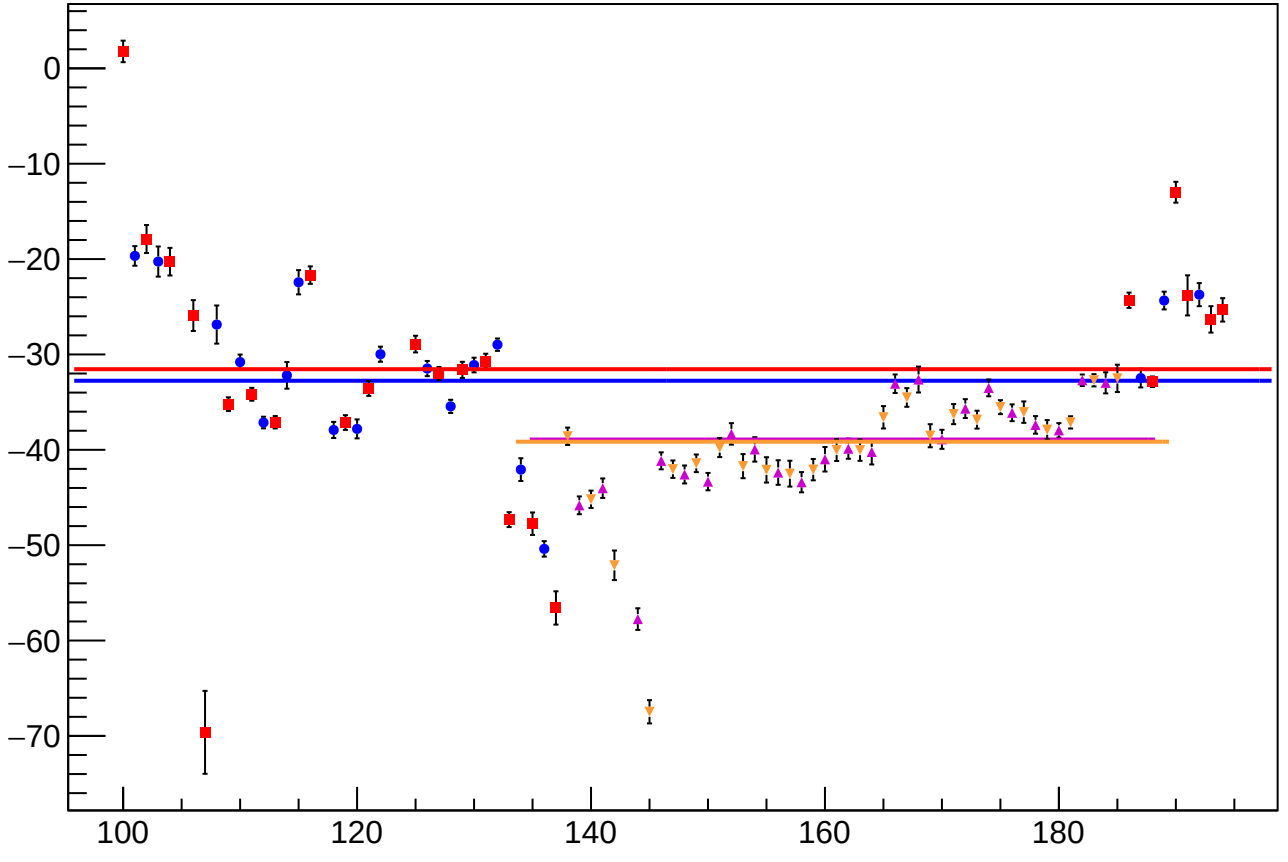
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.069+/-0.007 χ^2/NDF: 181261.8/42

All: -20.116+/-0.005 χ^2/NDF: 379441.0/89

- sign -20.161+/-0.007 χ^2/NDF: 198090.4/46

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: -31.545+/-0.184 χ^2/NDF: 2640.0/23

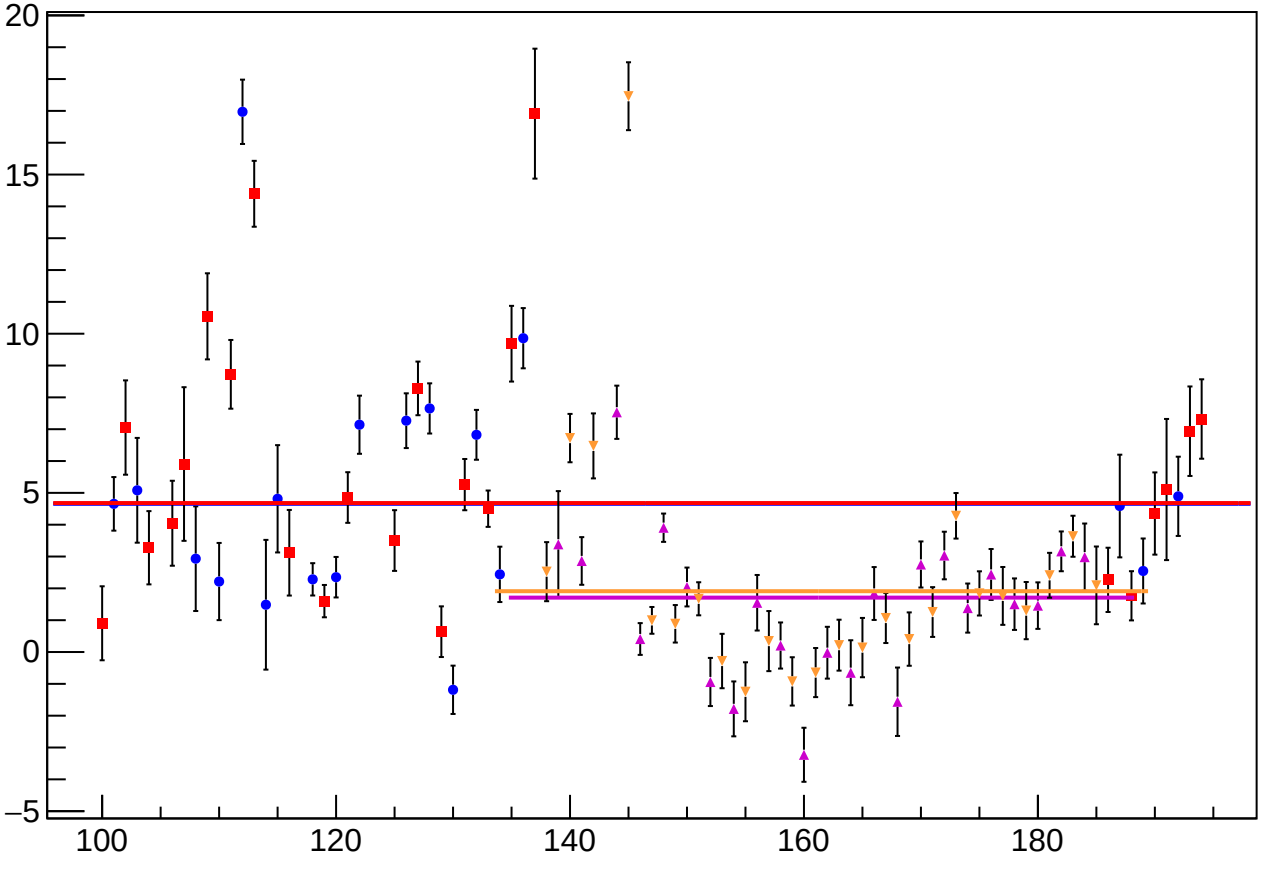
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -35.991+/-0.144 χ^2/NDF: 2549.3/42

All: -35.398+/-0.099 χ^2/NDF: 6626.6/89

- sign -34.864+/-0.137 χ^2/NDF: 4045.1/46

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: 4.680+/-0.199 χ^2/NDF: 301.1/23

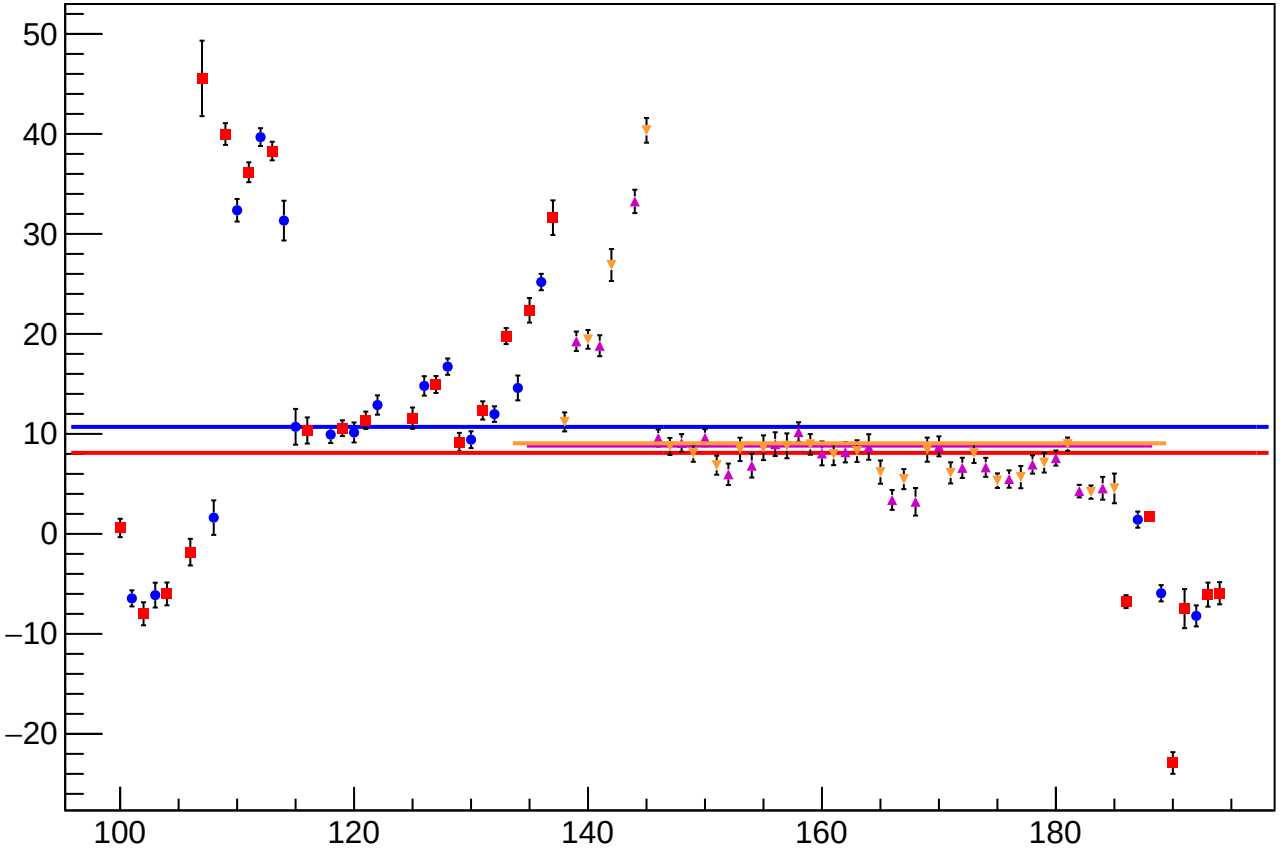
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

\+ sign 2.859+/-0.123 χ^2/NDF: 801.6/42

All: 2.845+/-0.087 χ^2/NDF: 1424.2/89

\- sign 2.832+/-0.122 χ^2/NDF: 622.6/46

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: 8.102+/-0.192 χ^2/NDF: 5860.1/23

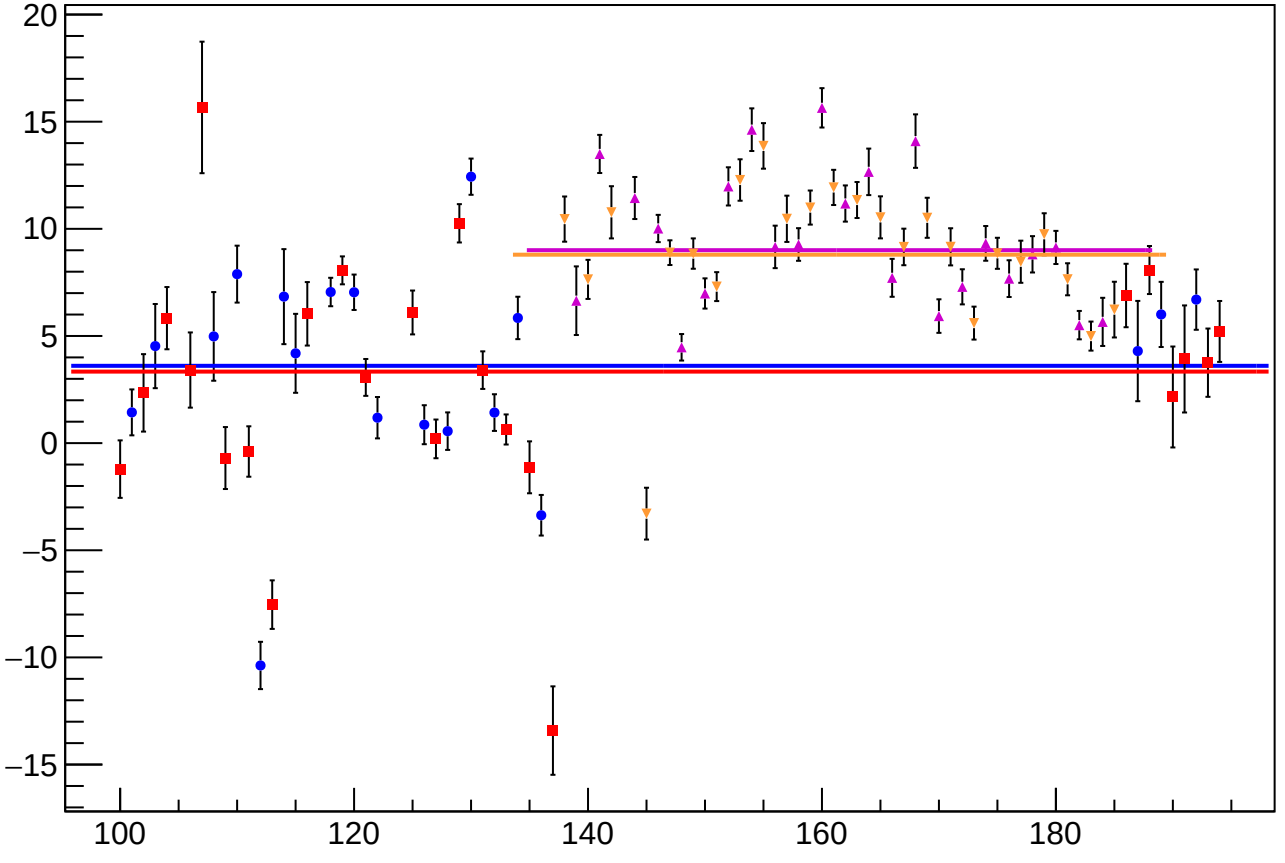
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 9.800+/-0.149 χ^2/NDF: 4532.8/42

All: 9.076+/-0.102 χ^2/NDF: 11245.1/89

- sign 8.446+/-0.139 χ^2/NDF: 6668.2/46

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: 3.337+/-0.235 χ^2/NDF: 396.1/23

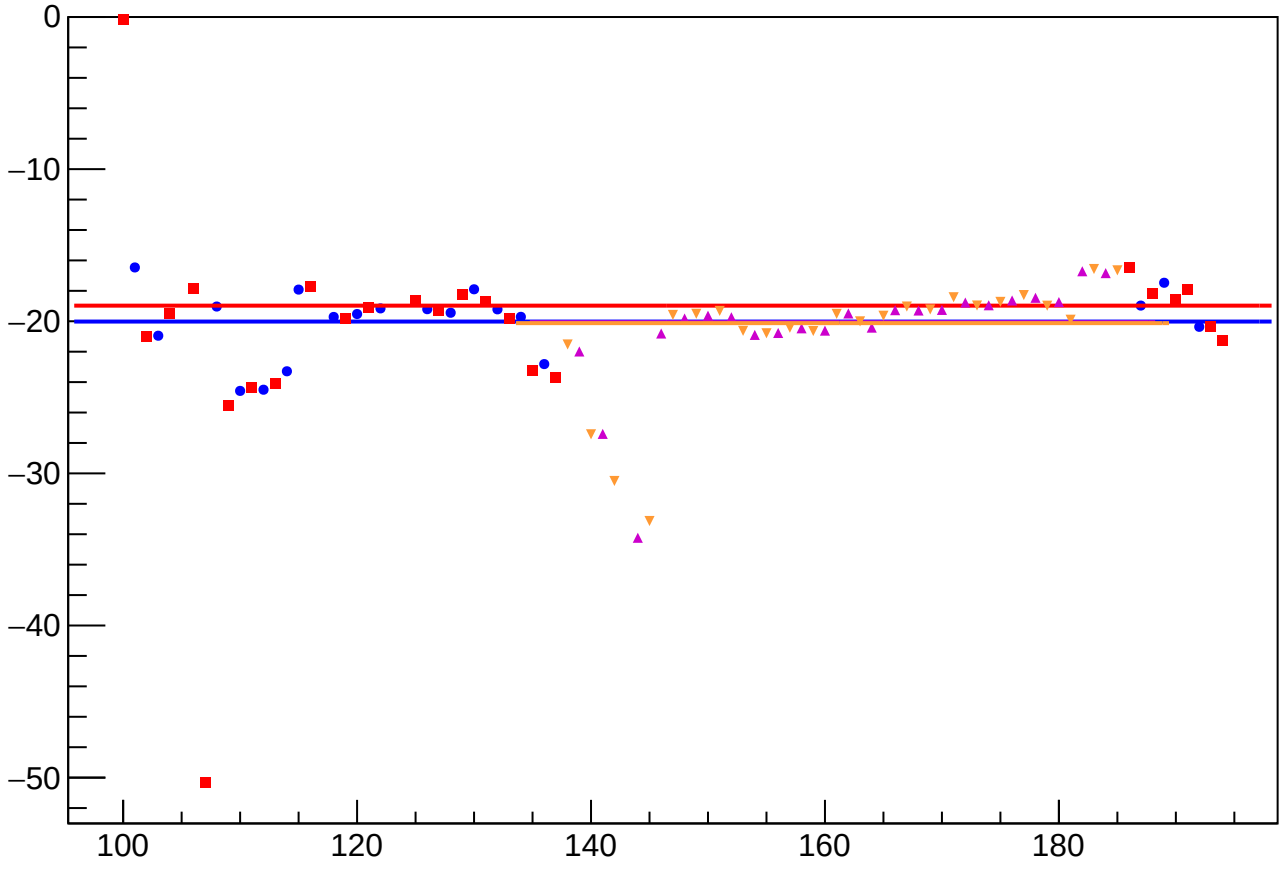
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

\+ sign 7.061+/-0.142 χ^2/NDF: 973.1/42

All: 7.015+/-0.100 χ^2/NDF: 2030.9/89

\- sign 6.971+/-0.141 χ^2/NDF: 1057.6/46

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.019+/-0.015 χ^2/NDF: 21957.7/18

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -18.974+/-0.013 χ^2/NDF: 239921.3/23

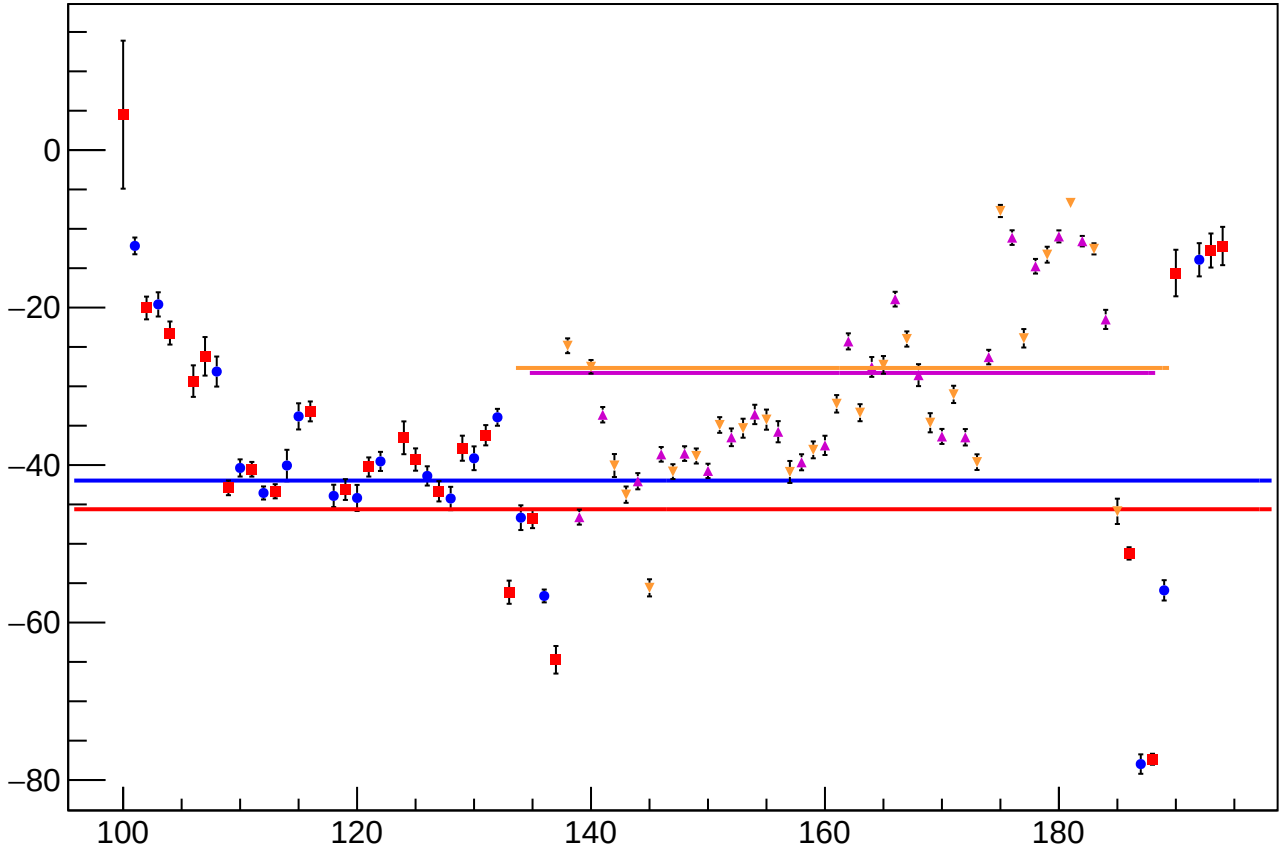
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.099+/-0.007 χ^2/NDF: 180575.7/42

All: -19.927+/-0.005 χ^2/NDF: 559551.8/89

- sign -19.766+/-0.007 χ^2/NDF: 377790.9/46

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: -45.612+/-0.260 χ^2/NDF: 3813.4/23

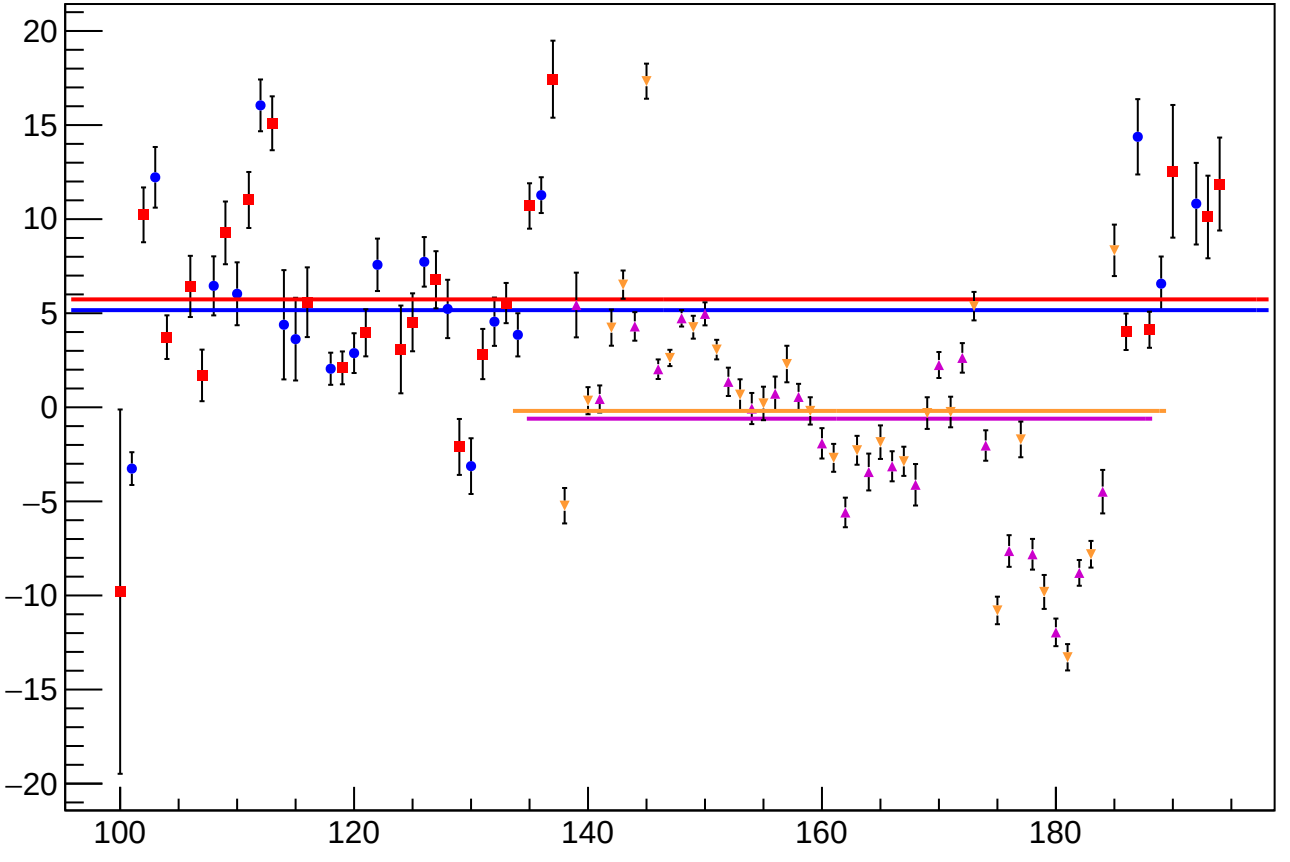
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -32.280+/-0.165 χ^2/NDF: 8662.5/43

All: -33.653+/-0.115 χ^2/NDF: 18609.3/90

- sign -34.967+/-0.161 χ^2/NDF: 9811.3/46

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: 5.736+/-0.287 χ^2/NDF: 207.6/23

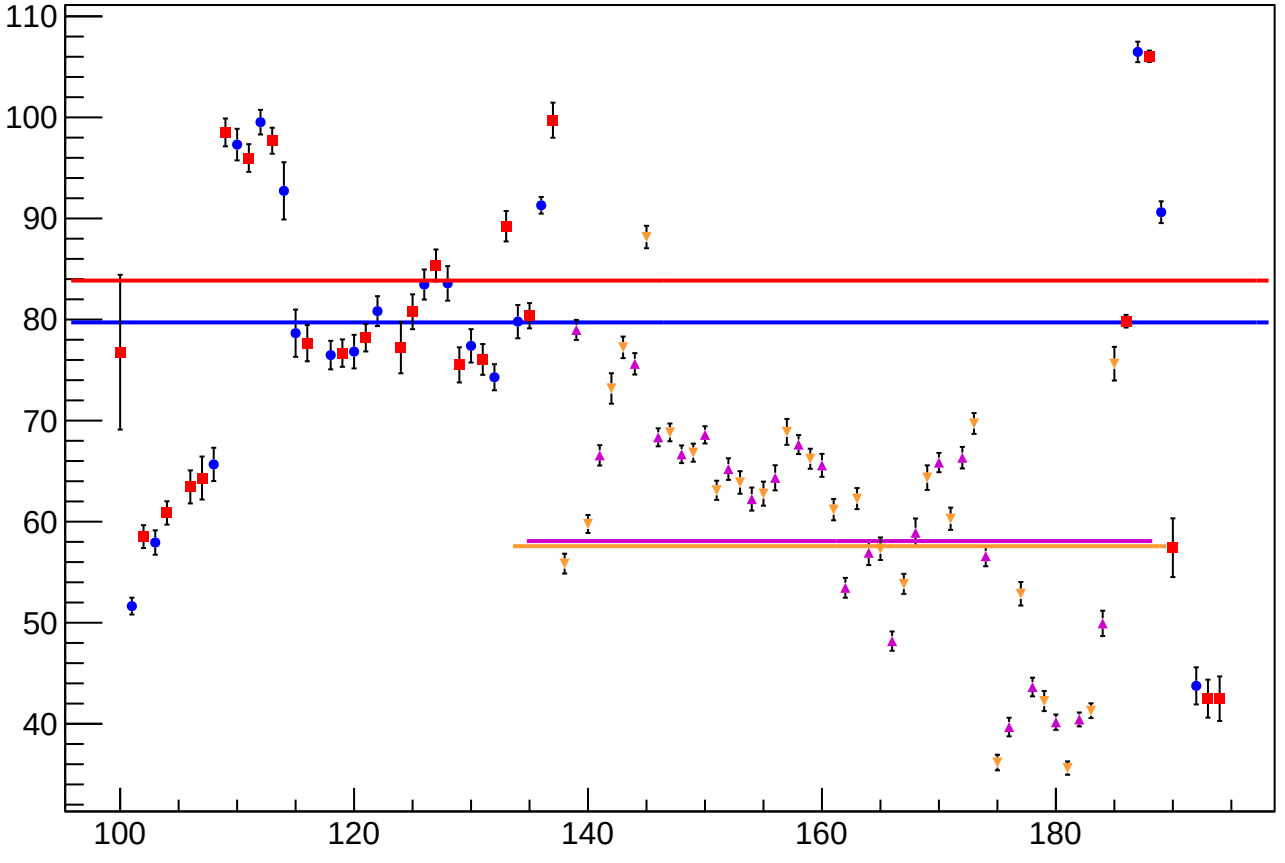
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 0.869+/-0.134 χ^2/NDF: 2101.9/43

All: 0.849+/-0.096 χ^2/NDF: 3661.8/90

- sign 0.829+/-0.136 χ^2/NDF: 1559.8/46

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: 83.856+/-0.262 χ^2/NDF: 4205.3/23

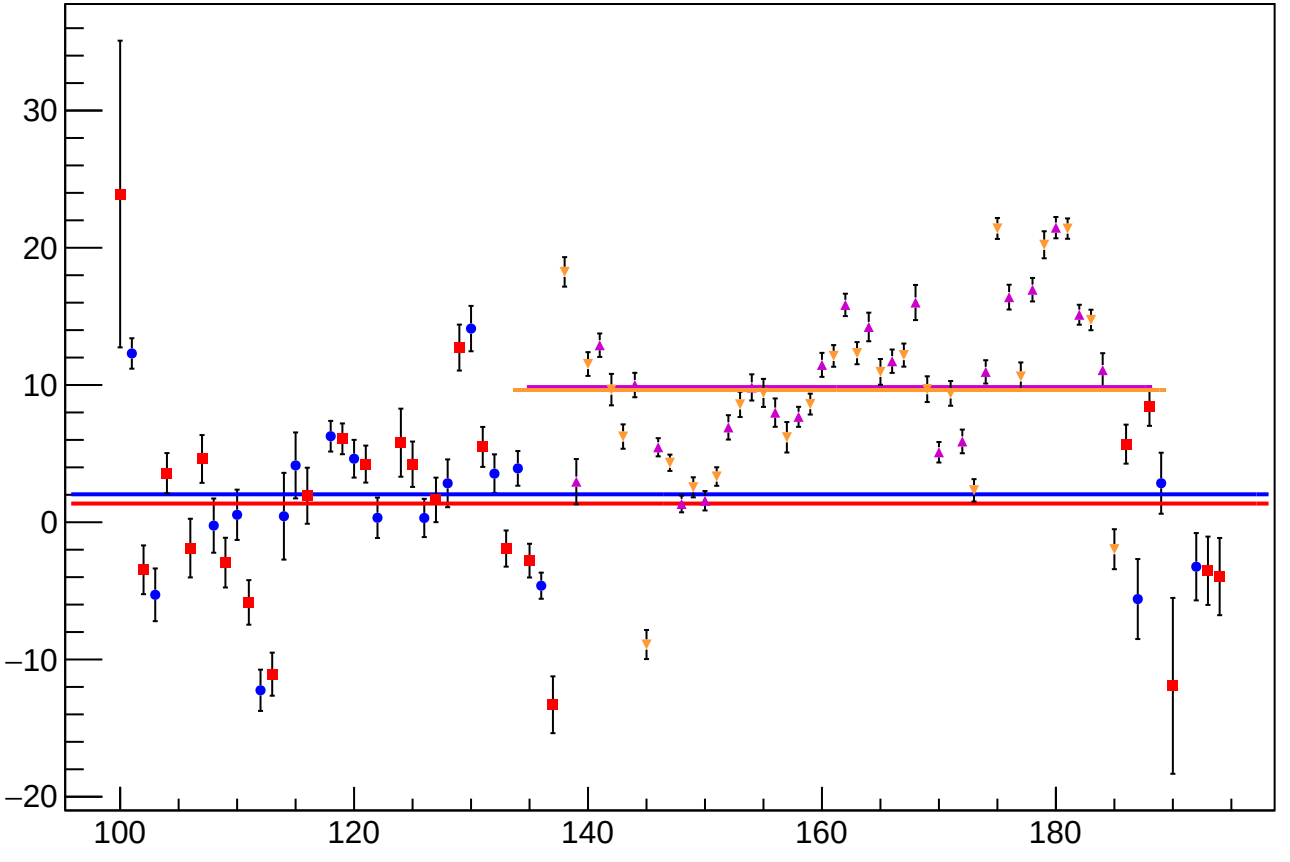
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 64.266+/-0.166 χ^2/NDF: 11797.4/43

All: 66.091+/-0.115 χ^2/NDF: 25843.7/90

- sign 67.795+/-0.161 χ^2/NDF: 13813.2/46

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: 1.362+/-0.343 χ^2/NDF: 303.5/23

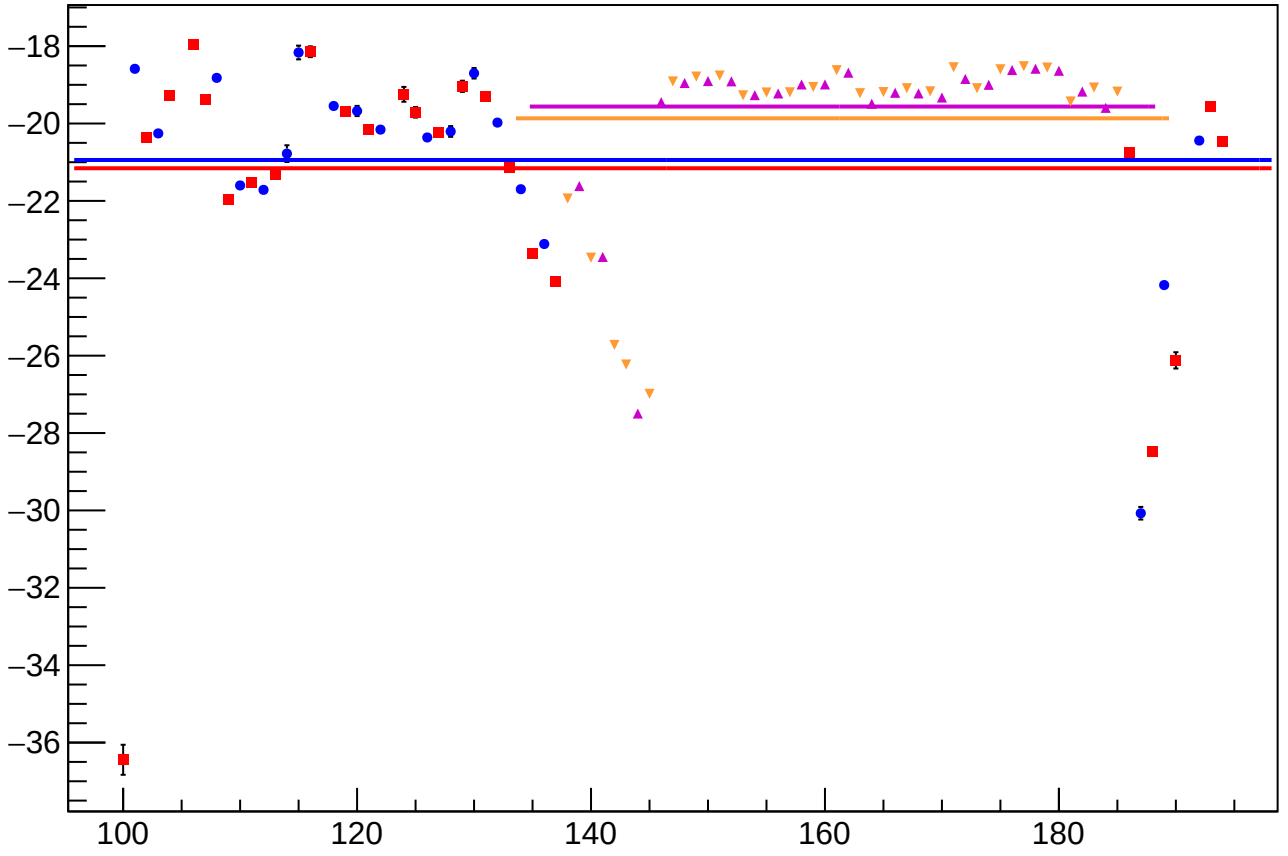
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 8.179+/-0.154 χ^2/NDF: 2200.0/43

All: 8.127+/-0.110 χ^2/NDF: 3981.5/90

- sign 8.074+/-0.157 χ^2/NDF: 1781.2/46

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: -21.156+/-0.018 χ^2/NDF: 19828.6/23

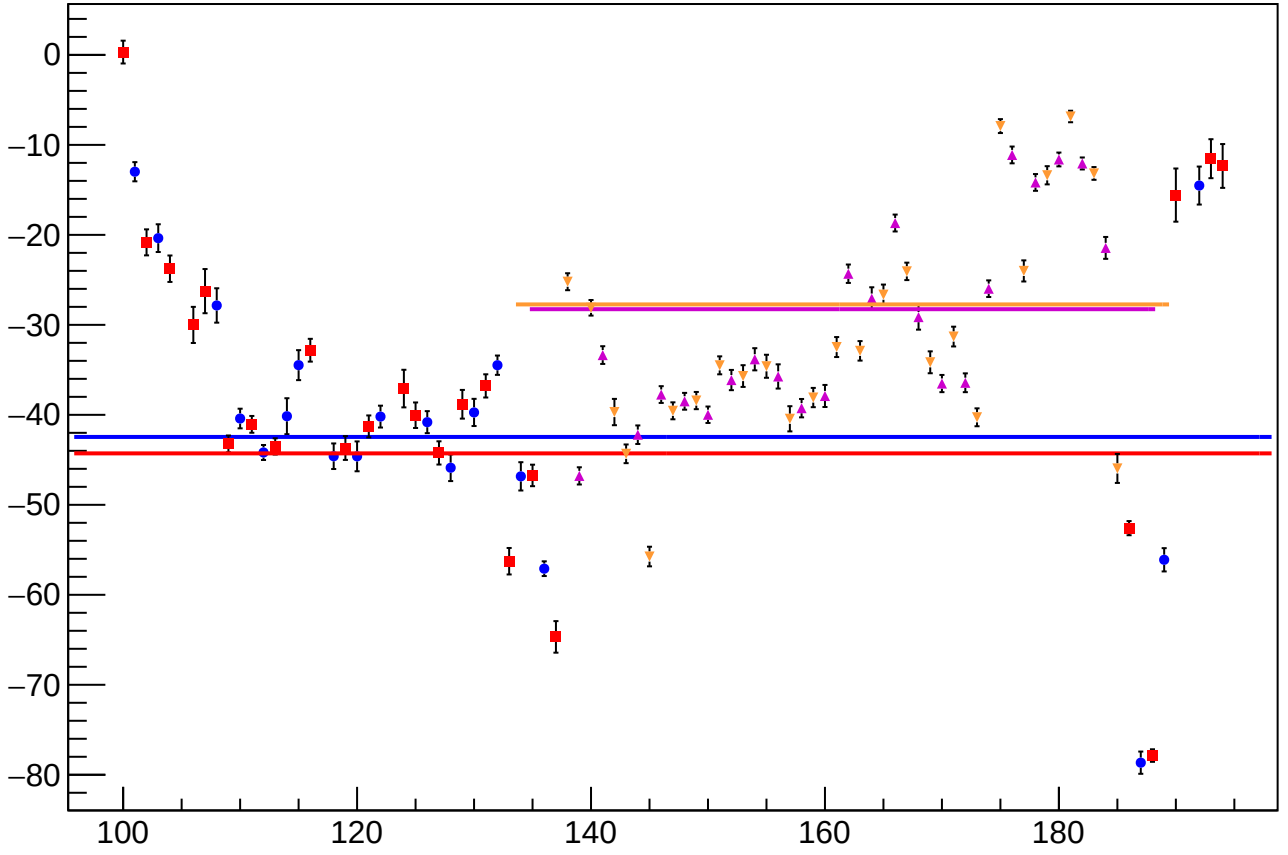
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.032+/-0.007 χ^2/NDF: 93669.6/43

All: -19.927+/-0.005 χ^2/NDF: 165612.3/90

- sign -19.820+/-0.007 χ^2/NDF: 71516.7/46

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: -44.284+/-0.255 χ^2/NDF: 5104.3/23

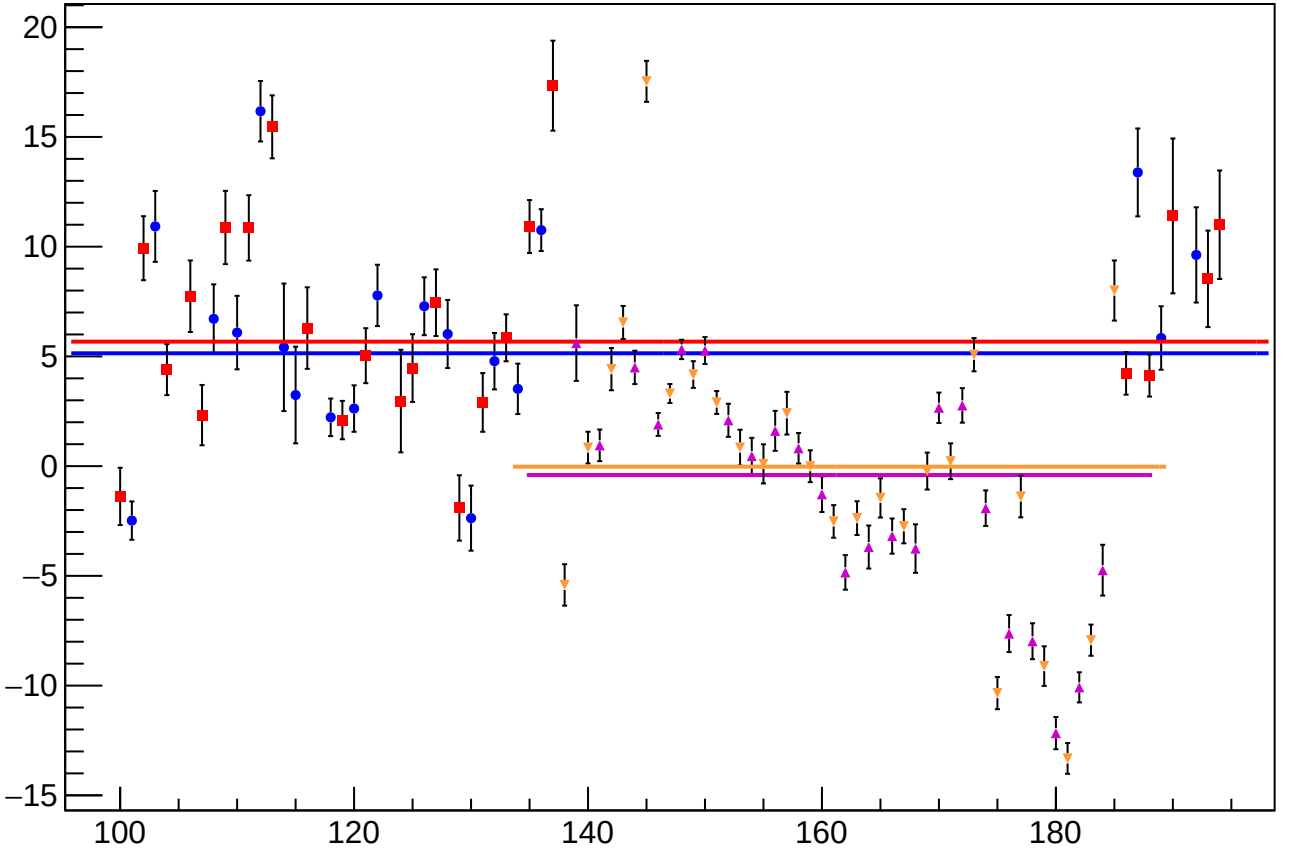
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.478+/-0.165 χ^2/NDF: 8641.4/43

All: -33.564+/-0.115 χ^2/NDF: 19387.4/90

- sign -34.587+/-0.160 χ^2/NDF: 10662.2/46

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: 5.673+/-0.281 χ^2/NDF: 230.4/23

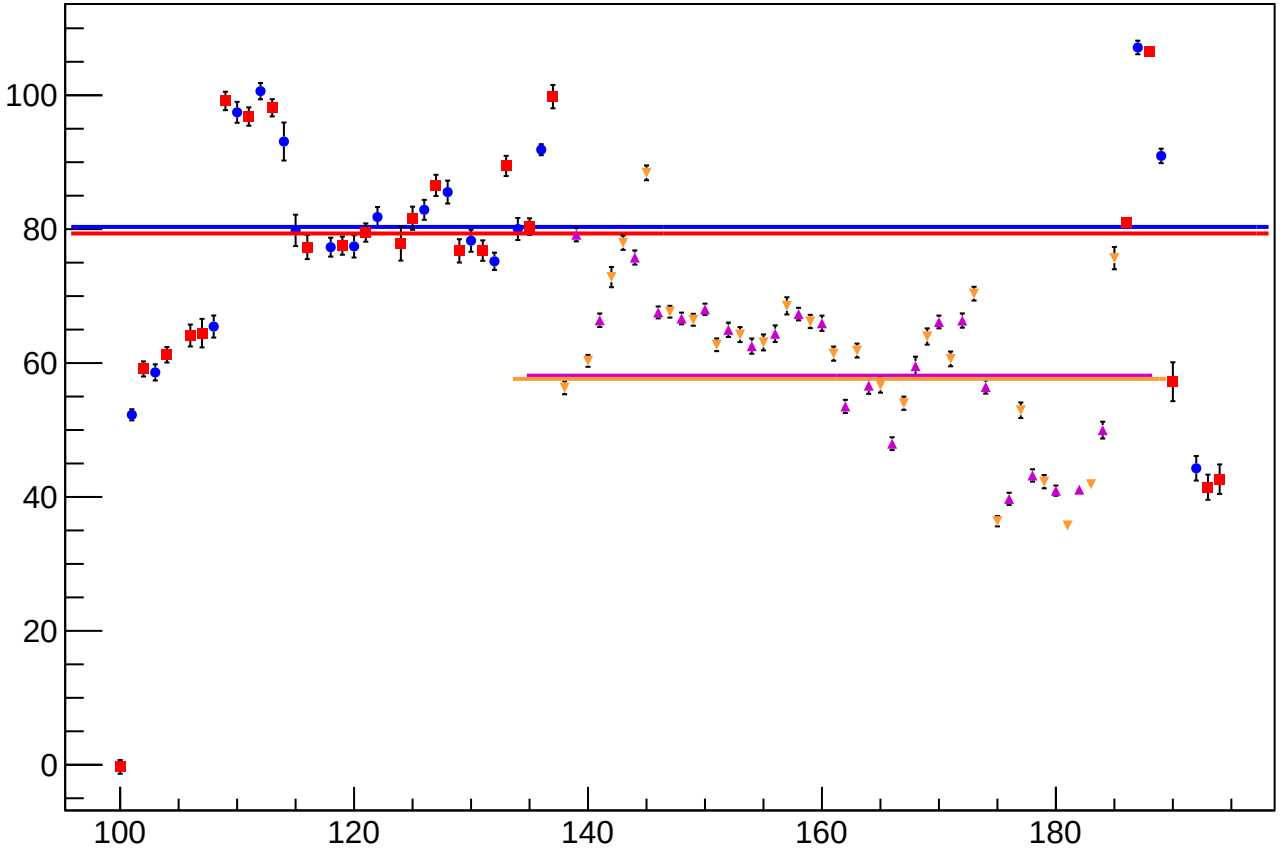
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 0.997+/-0.135 χ^2/NDF: 2028.9/43

All: 1.009+/-0.096 χ^2/NDF: 3701.7/90

- sign 1.021+/-0.136 χ^2/NDF: 1672.9/46

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: 79.354+/-0.254 χ^2/NDF: 10543.5/23

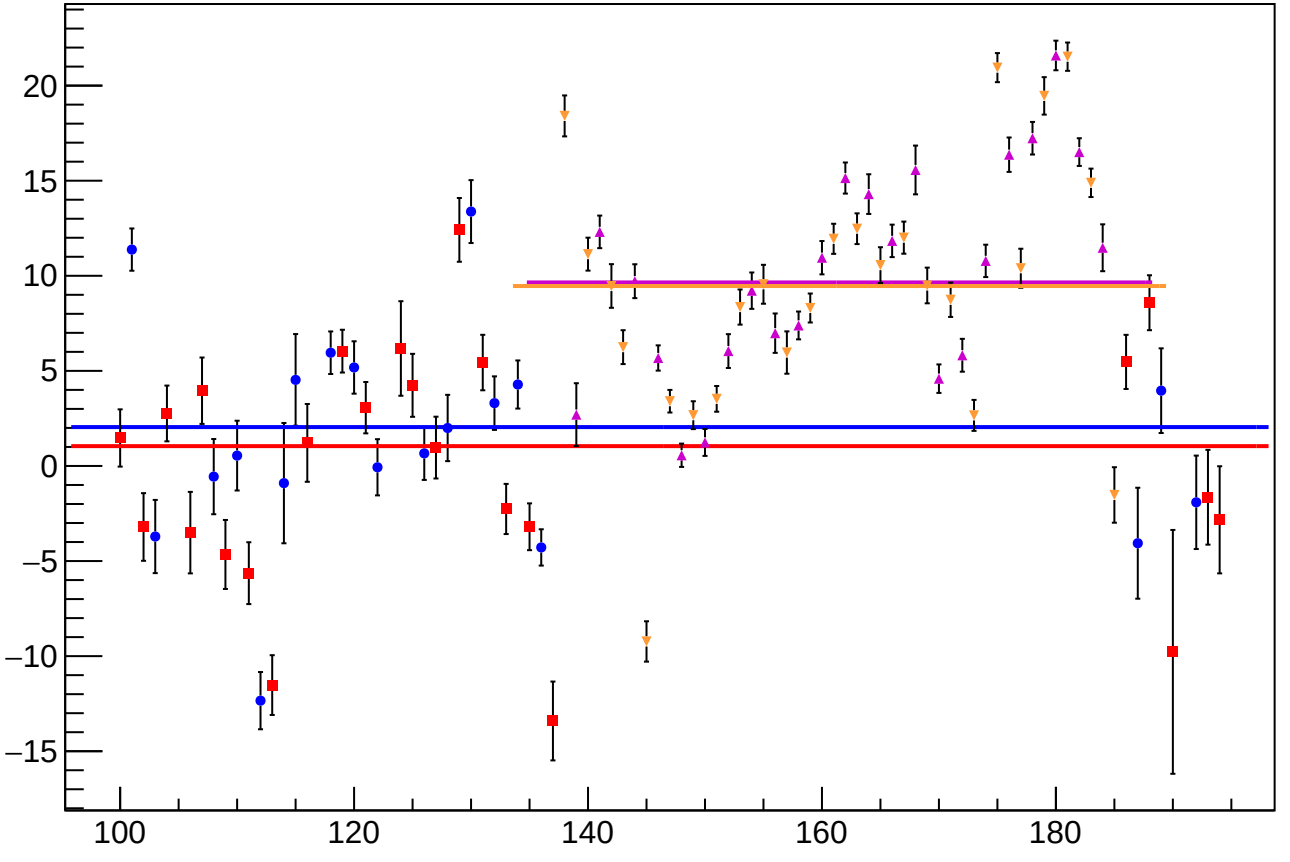
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.498+/-0.166 χ^2/NDF: 11899.2/43

All: 65.510+/-0.115 χ^2/NDF: 30207.7/90

- sign 66.434+/-0.159 χ^2/NDF: 18237.8/46

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: 1.043+/-0.335 χ^2/NDF: 299.8/23

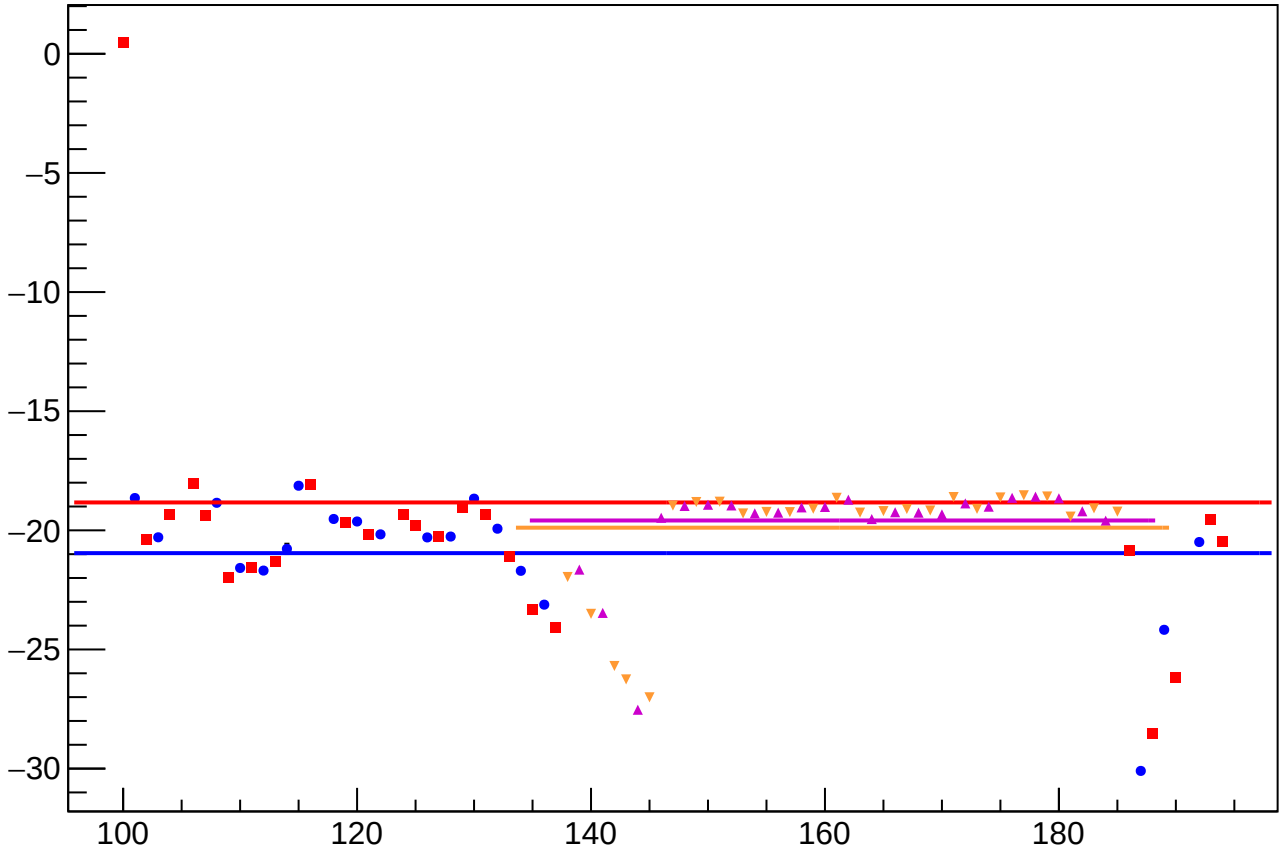
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 8.039+/-0.154 χ^2/NDF: 2139.2/43

All: 7.910+/-0.110 χ^2/NDF: 4035.9/90

- sign 7.777+/-0.156 χ^2/NDF: 1895.3/46

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: -18.829+/-0.017 χ^2/NDF: 170346.9/23

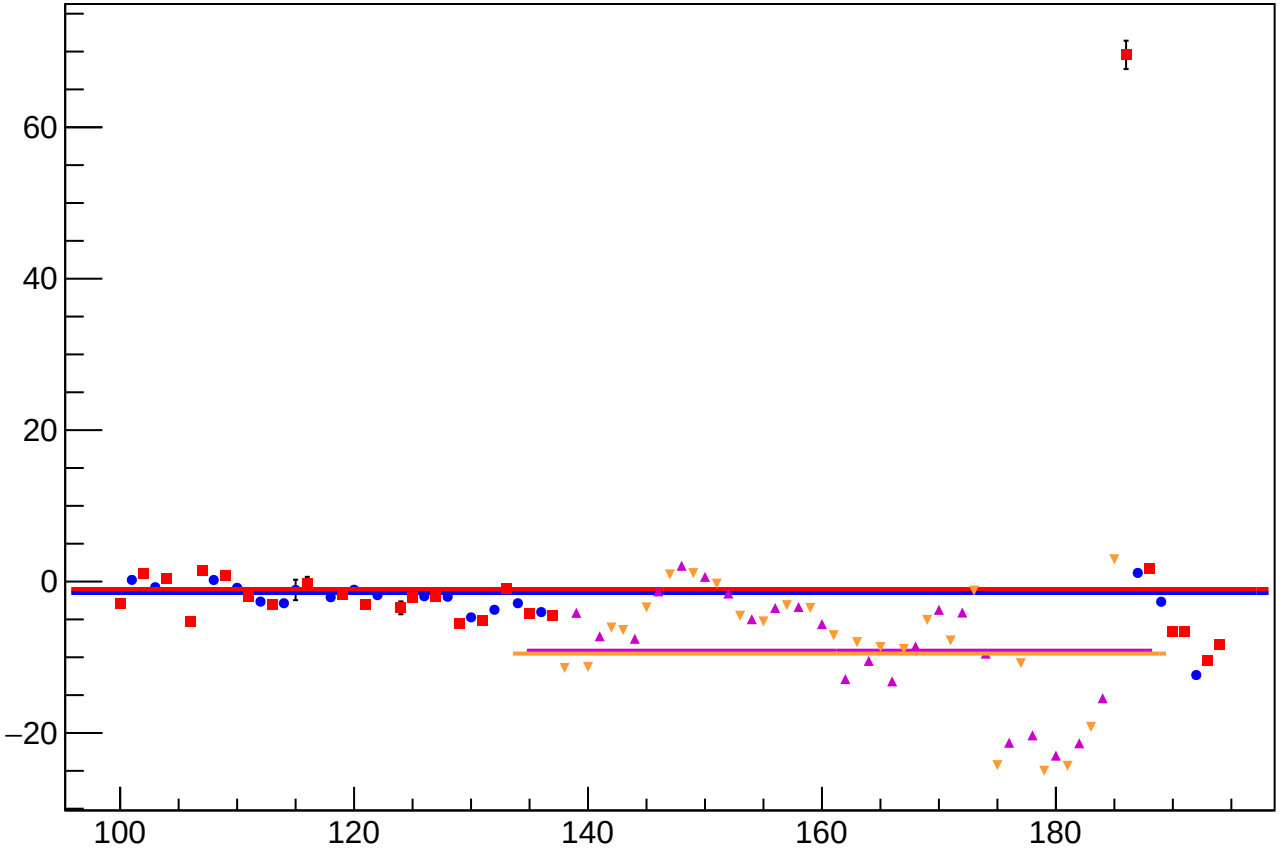
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.053+/-0.007 χ^2/NDF: 93099.2/43

All: -19.752+/-0.005 χ^2/NDF: 313595.1/90

- sign -19.452+/-0.007 χ^2/NDF: 217036.8/46

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: -0.983+/-0.048 χ^2/NDF: 4296.9/24

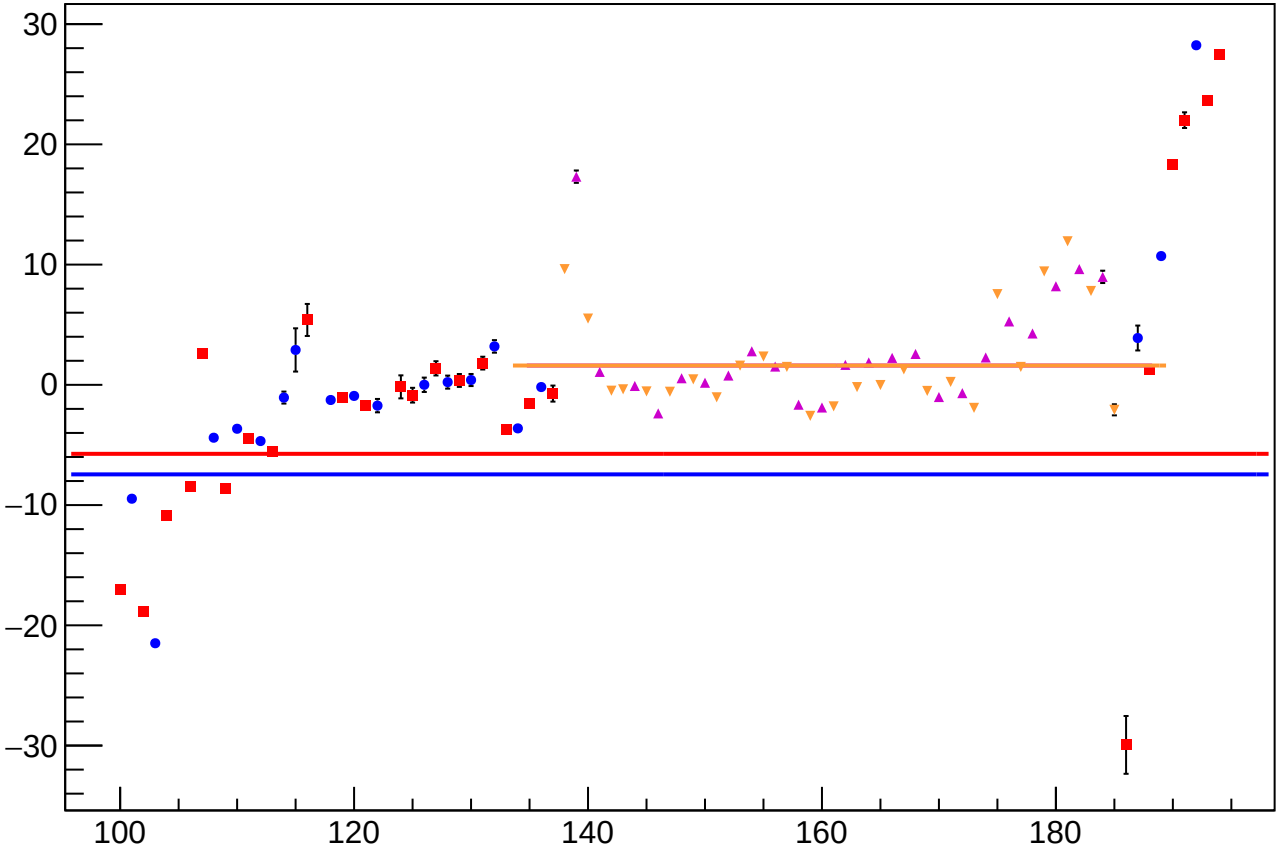
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

\+ sign -4.301+/-0.043 χ^2/NDF: 22335.7/43

All: -3.791+/-0.029 χ^2/NDF: 45725.3/91

\- sign -3.342+/-0.040 χ^2/NDF: 23124.0/47

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

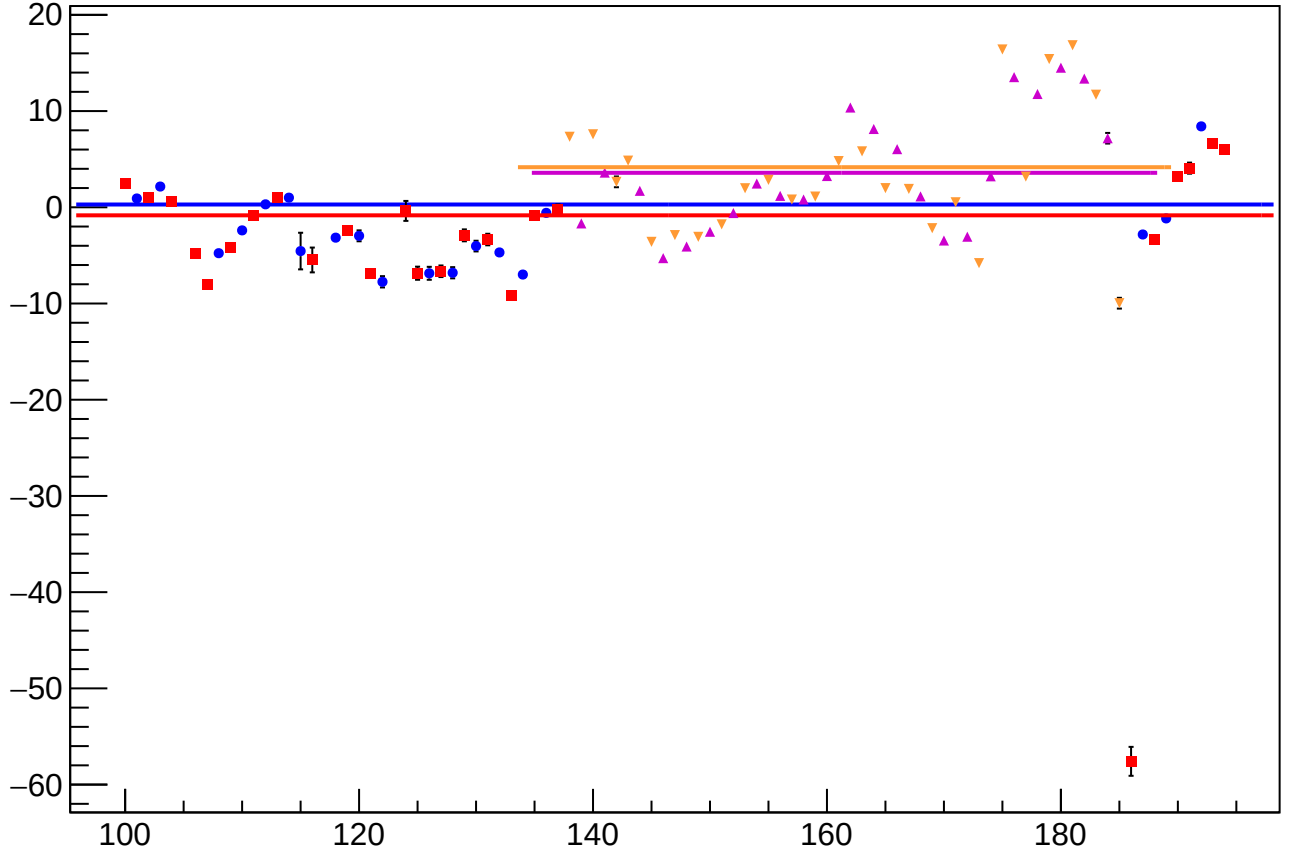
Right Out: -5.738+/-0.054 χ^2/NDF: 34574.0/24

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -2.879+/-0.039 χ^2/NDF: 43222.9/43

All: -2.582+/-0.028 χ^2/NDF: 90144.3/91

- sign -2.280+/-0.040 χ^2/NDF: 46805.6/47



Right In: 0.290+/-0.051 χ^2/NDF: 2653.9/18

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.835+/-0.049 χ^2/NDF: 5743.8/24

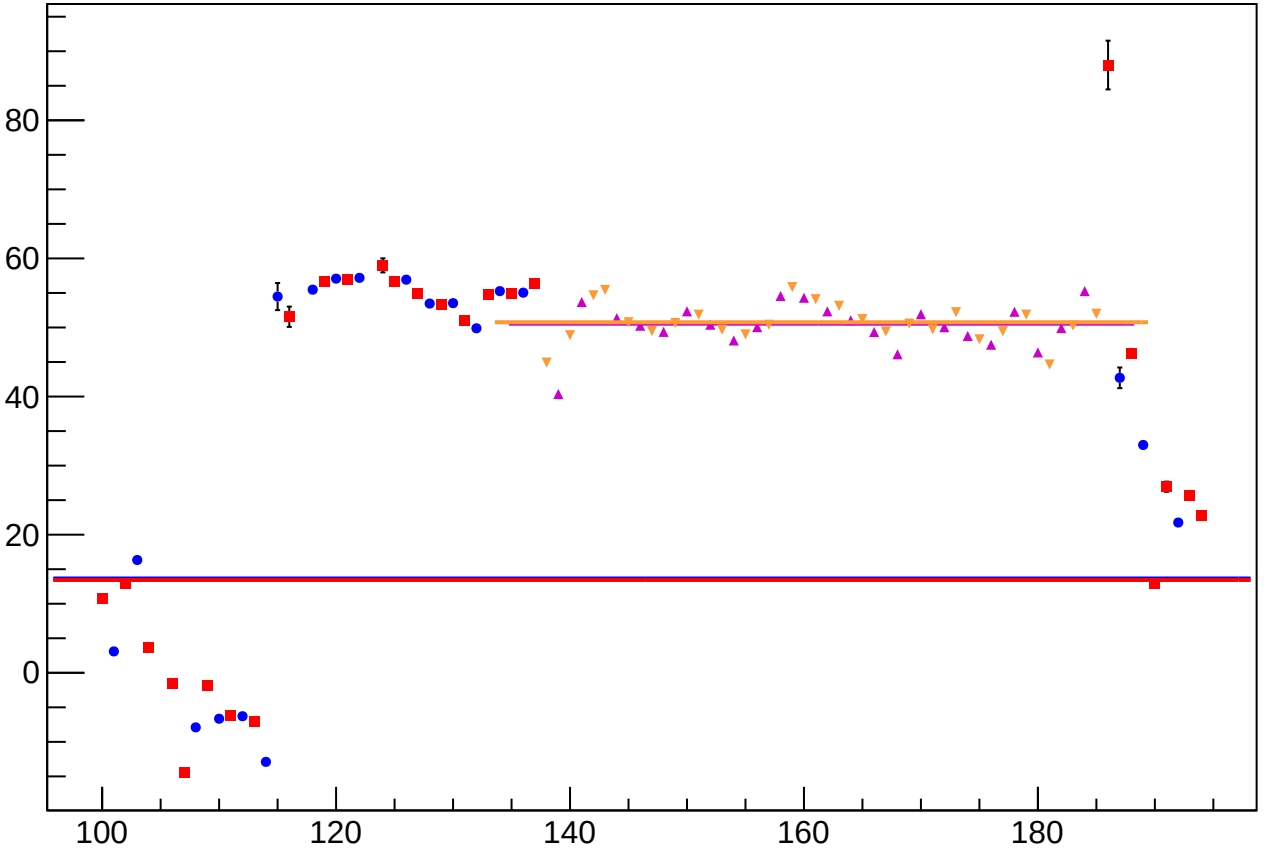
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.595+/-0.042 χ^2/NDF: 13818.3/43

All: 1.031+/-0.029 χ^2/NDF: 29636.6/91

- sign 0.499+/-0.041 χ^2/NDF: 15465.1/47

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: 13.441+/-0.065 χ^2/NDF: 127797.5/24

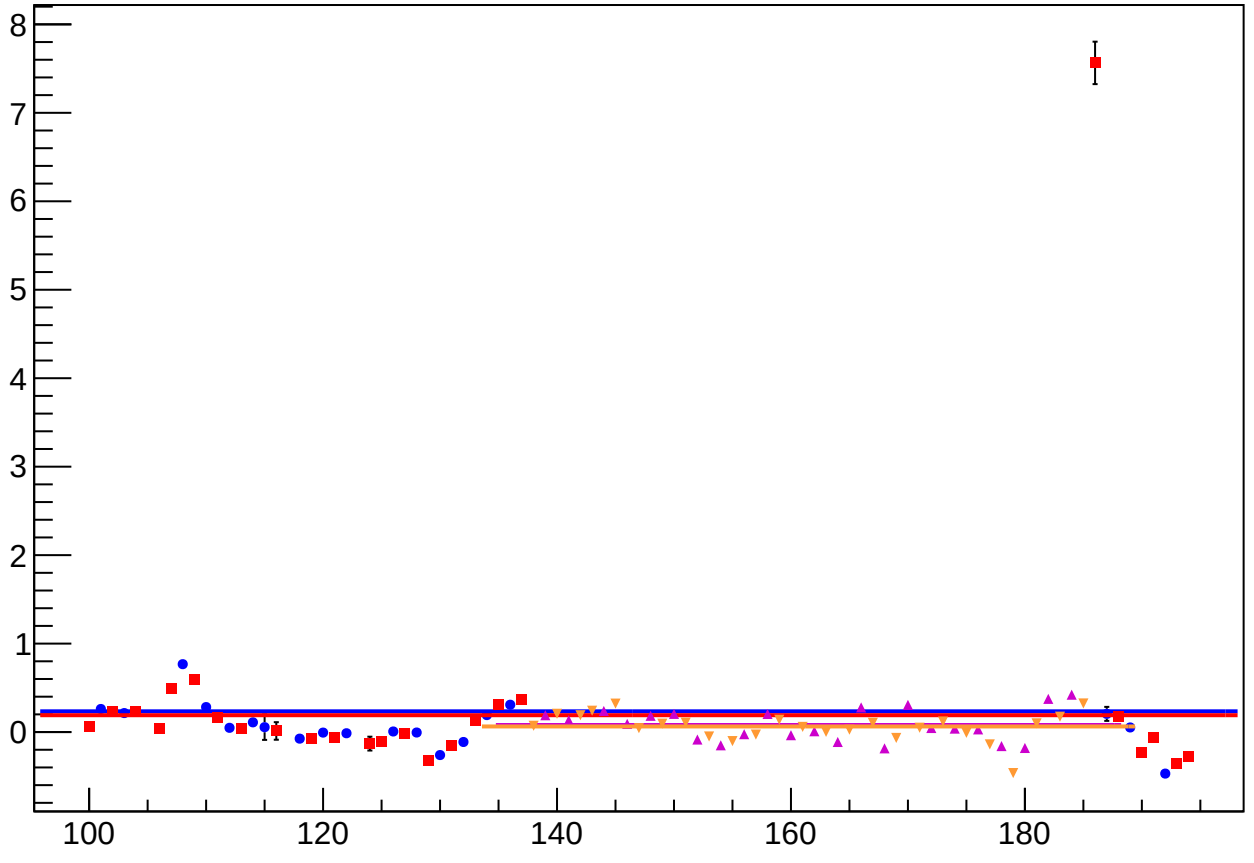
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 33.408+/-0.046 χ^2/NDF: 277354.4/43

All: 32.725+/-0.032 χ^2/NDF: 571124.2/91

- sign 32.033+/-0.046 χ^2/NDF: 293317.1/47

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: 0.191+/-0.003 χ^2/NDF: 6853.6/24

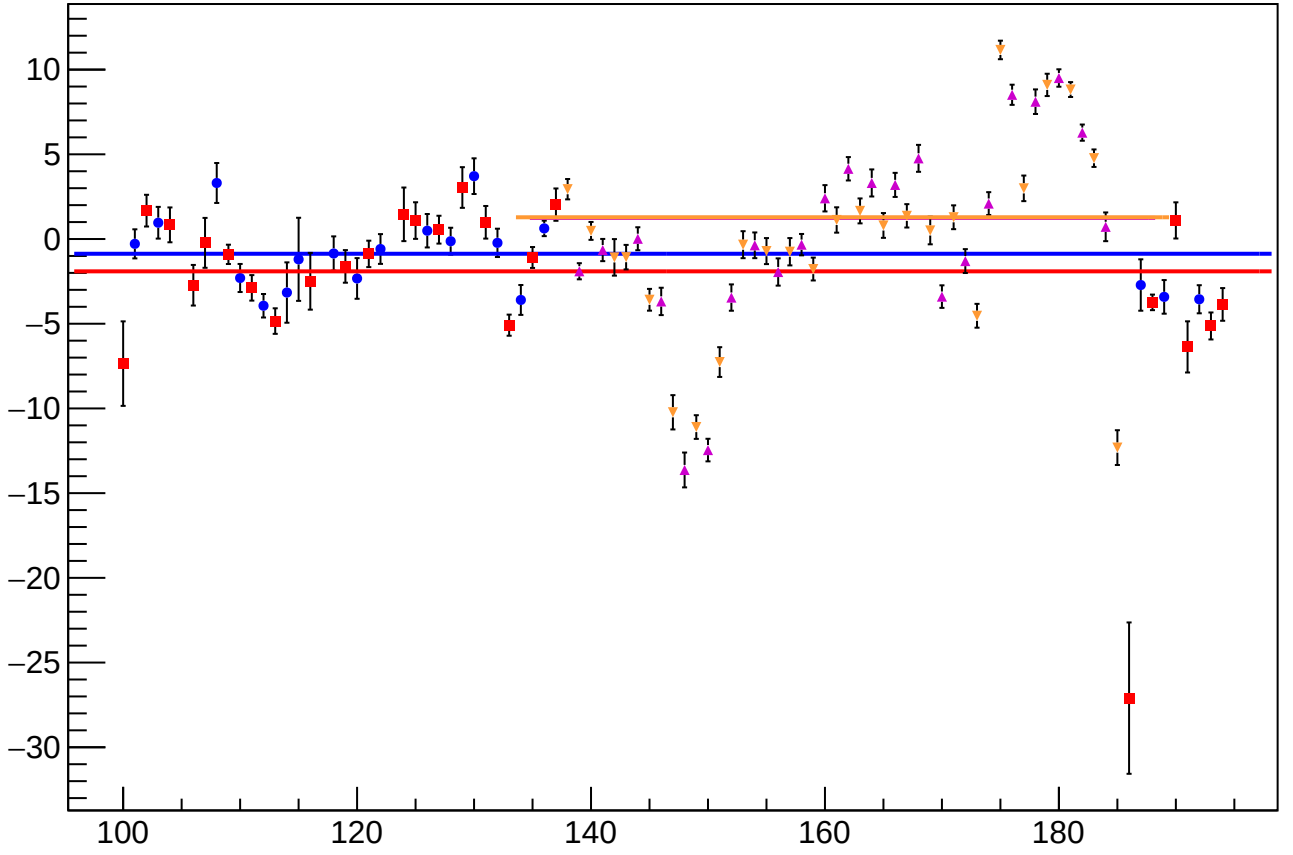
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.151+/-0.002 χ^2/NDF: 11114.4/43

All: 0.146+/-0.001 χ^2/NDF: 22272.0/91

- sign 0.140+/-0.002 χ^2/NDF: 11140.8/47

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: -1.908+/-0.175 χ^2/NDF: 227.0/24

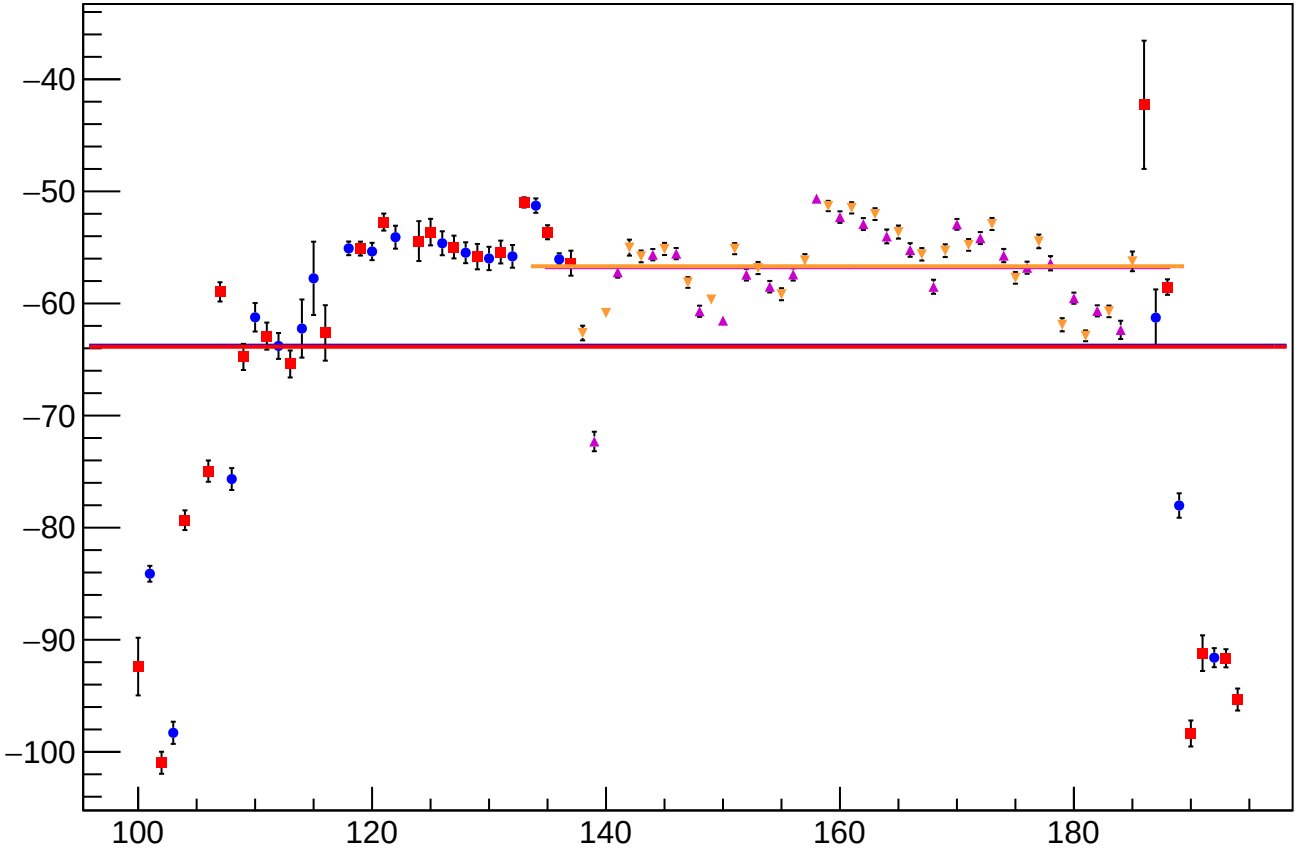
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.612+/-0.114 χ^2/NDF: 1896.3/43

All: 0.301+/-0.079 χ^2/NDF: 3847.9/91

- sign 0.011+/-0.110 χ^2/NDF: 1937.1/47

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: -63.861+/-0.185 χ^2/NDF: 7304.6/24

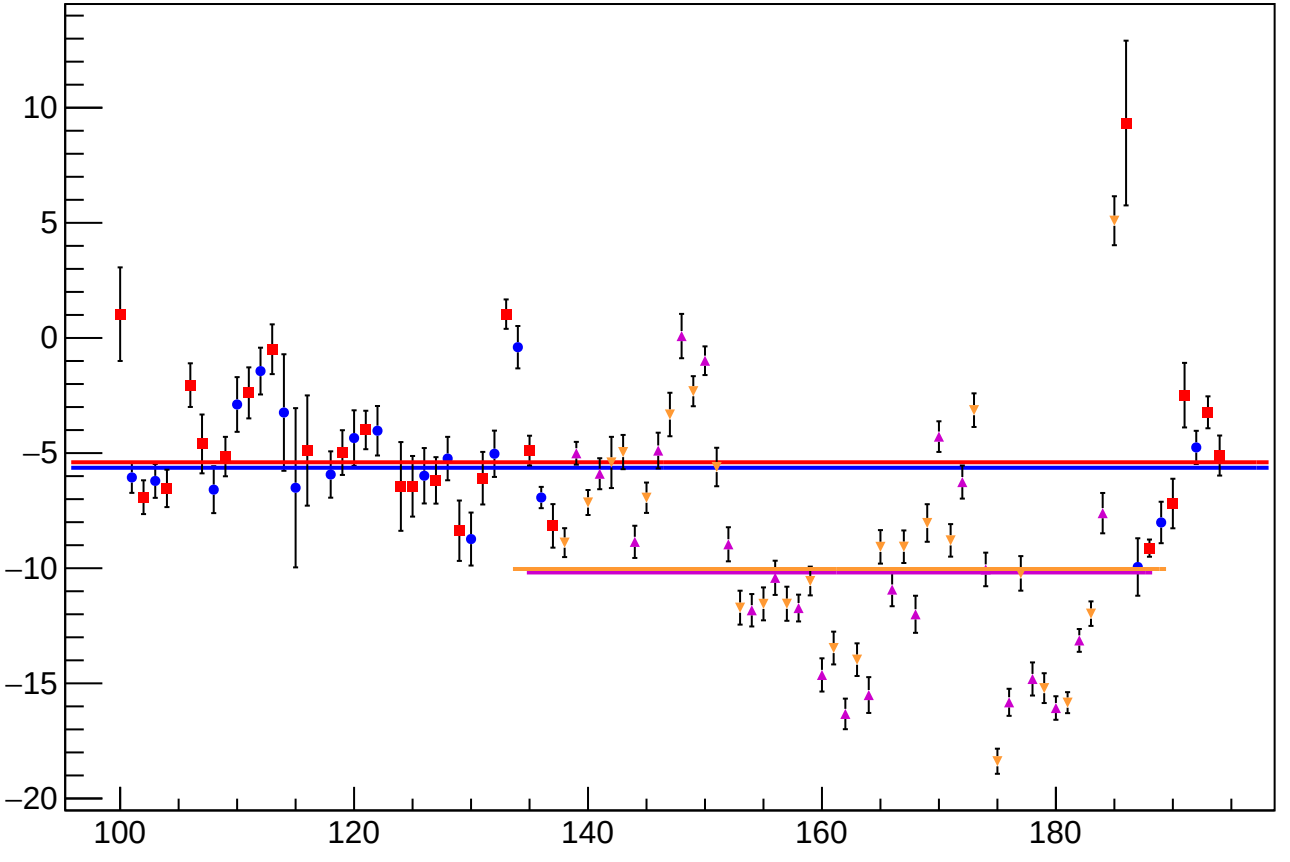
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -58.173+/-0.095 χ^2/NDF: 6645.2/43

All: -58.419+/-0.068 χ^2/NDF: 16149.2/91

- sign -58.668+/-0.096 χ^2/NDF: 9490.6/47

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: -5.398+/-0.176 χ^2/NDF: 311.6/24

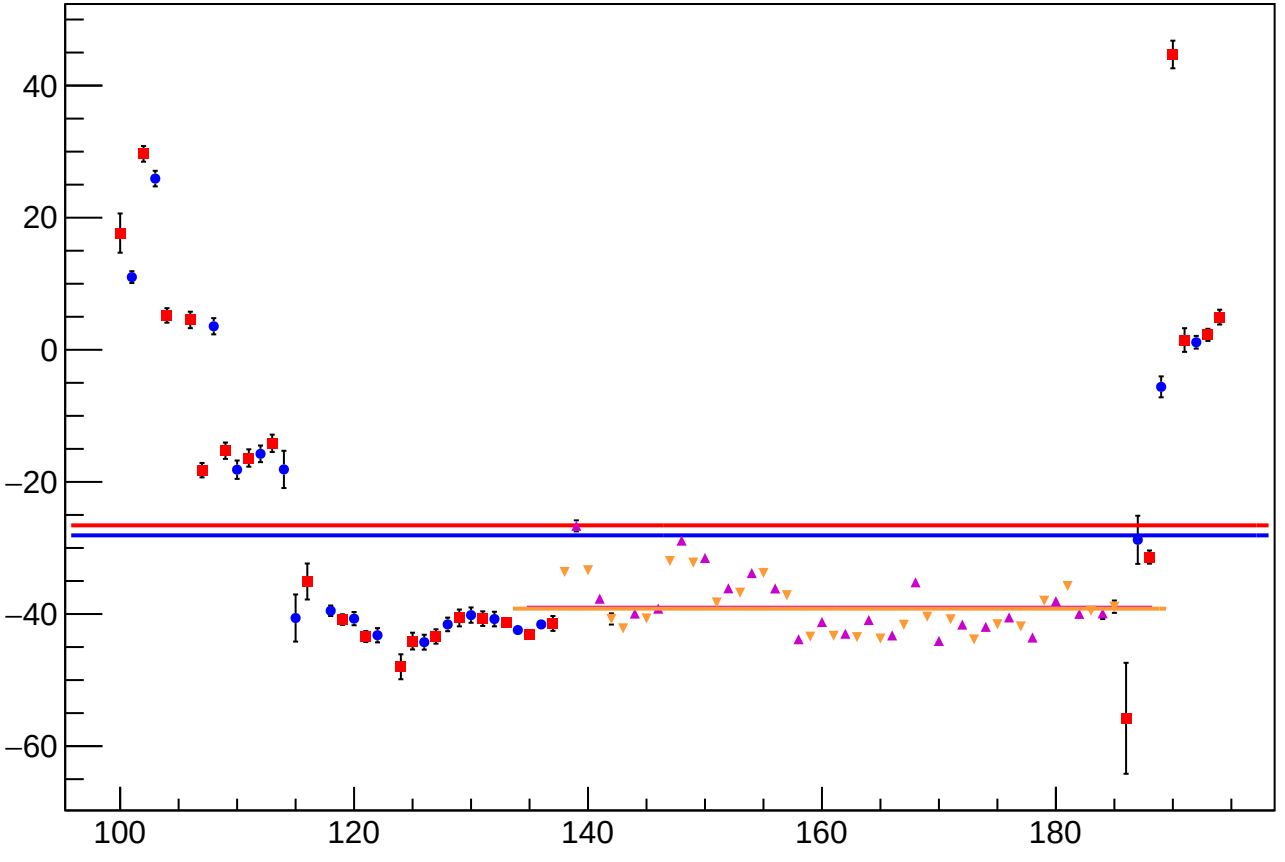
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.730+/-0.114 χ^2/NDF: 1588.5/43

All: -8.529+/-0.079 χ^2/NDF: 3503.1/91

- sign -8.346+/-0.109 χ^2/NDF: 1908.8/47

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: -26.576+/-0.217 χ^2/NDF: 10554.5/24

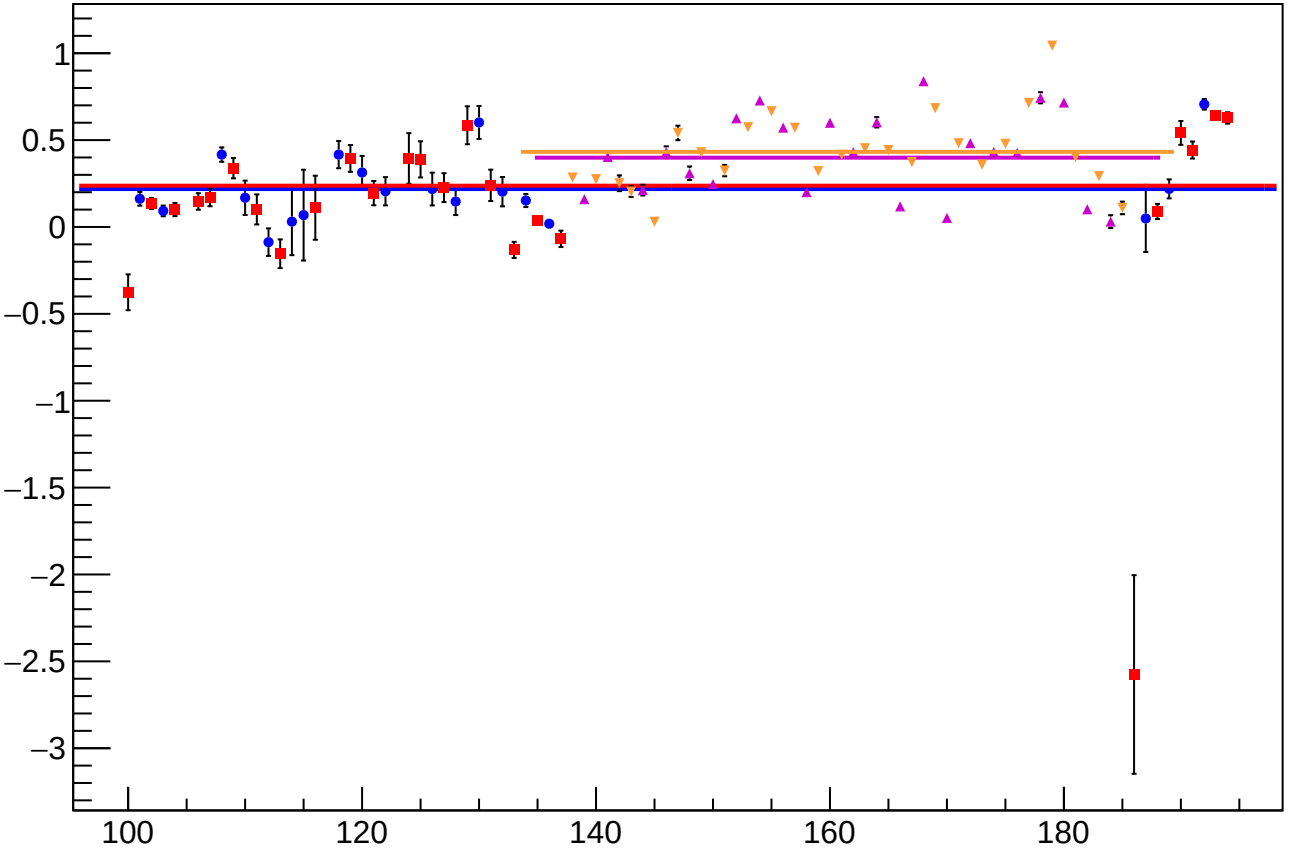
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -36.937+/-0.107 χ^2/NDF: 10925.5/43

All: -36.455+/-0.076 χ^2/NDF: 25232.9/91

- sign -35.966+/-0.108 χ^2/NDF: 14266.6/47

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: 0.238+/-0.010 χ^2/NDF: 694.8/24

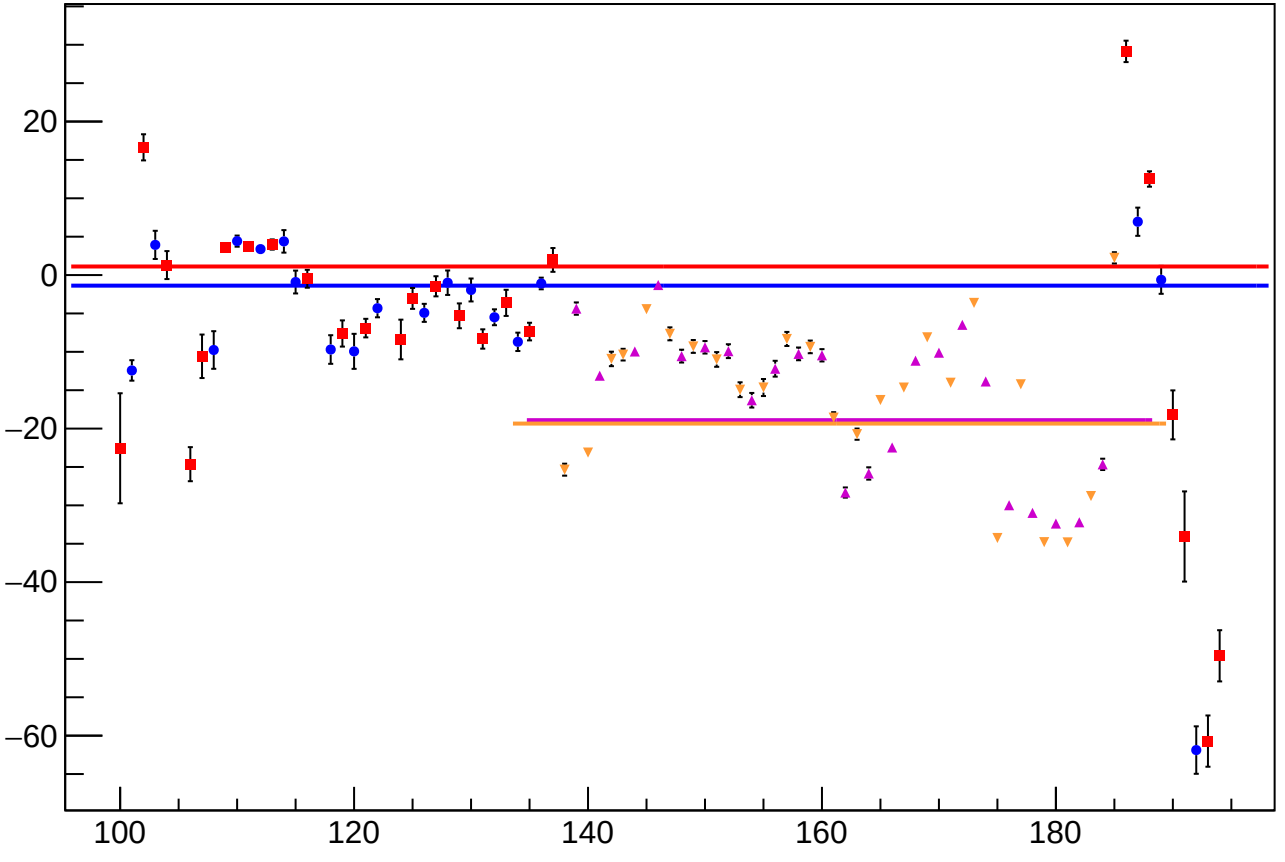
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.394+/-0.005 χ^2/NDF: 2092.5/43

All: 0.378+/-0.003 χ^2/NDF: 4932.4/91

- sign 0.363+/-0.005 χ^2/NDF: 2819.7/47

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: 1.117+/-0.251 χ^2/NDF: 1711.3/24

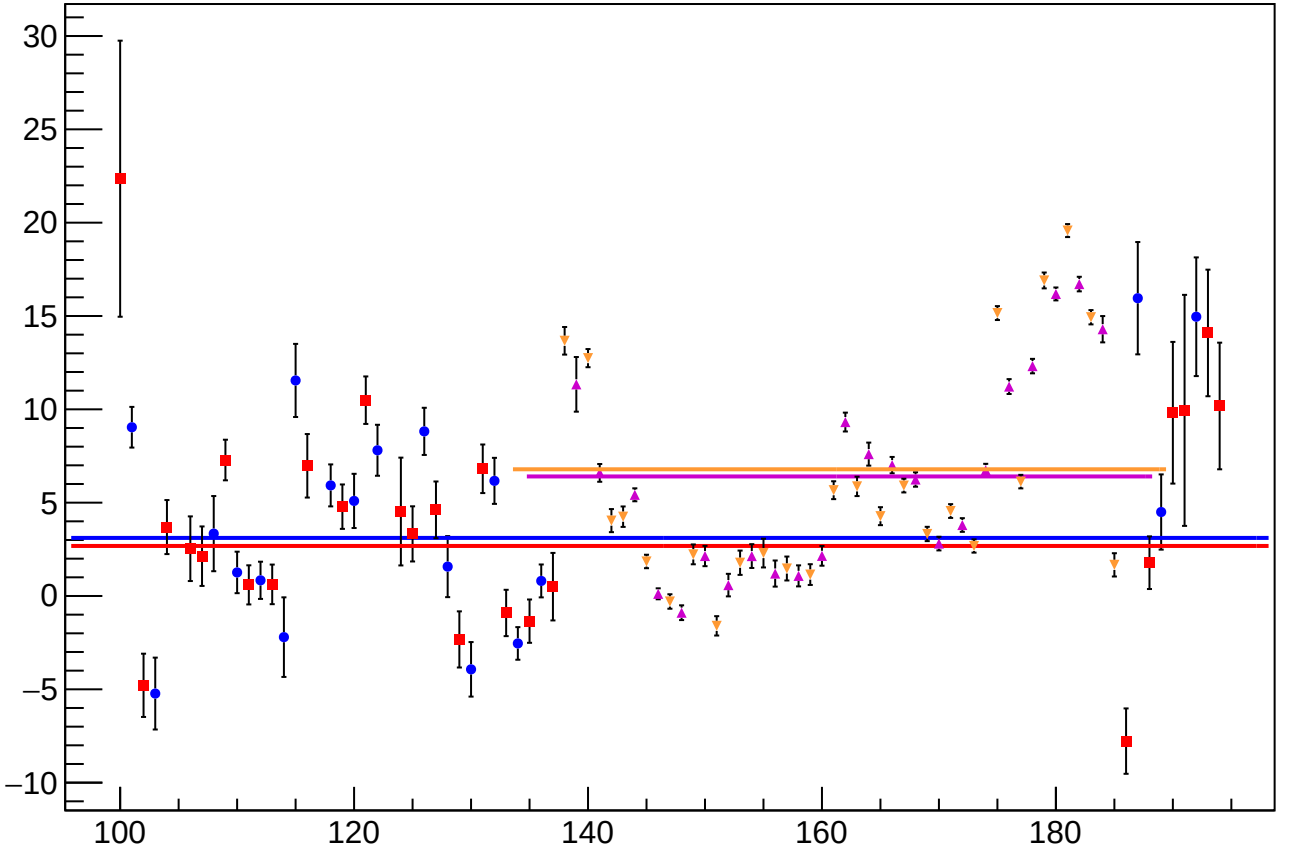
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.706+/-0.105 χ^2/NDF: 14823.5/43

All: -16.038+/-0.074 χ^2/NDF: 30157.2/91

- sign -15.362+/-0.105 χ^2/NDF: 15251.8/47

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: 2.681+/-0.305 χ^2/NDF: 202.4/24

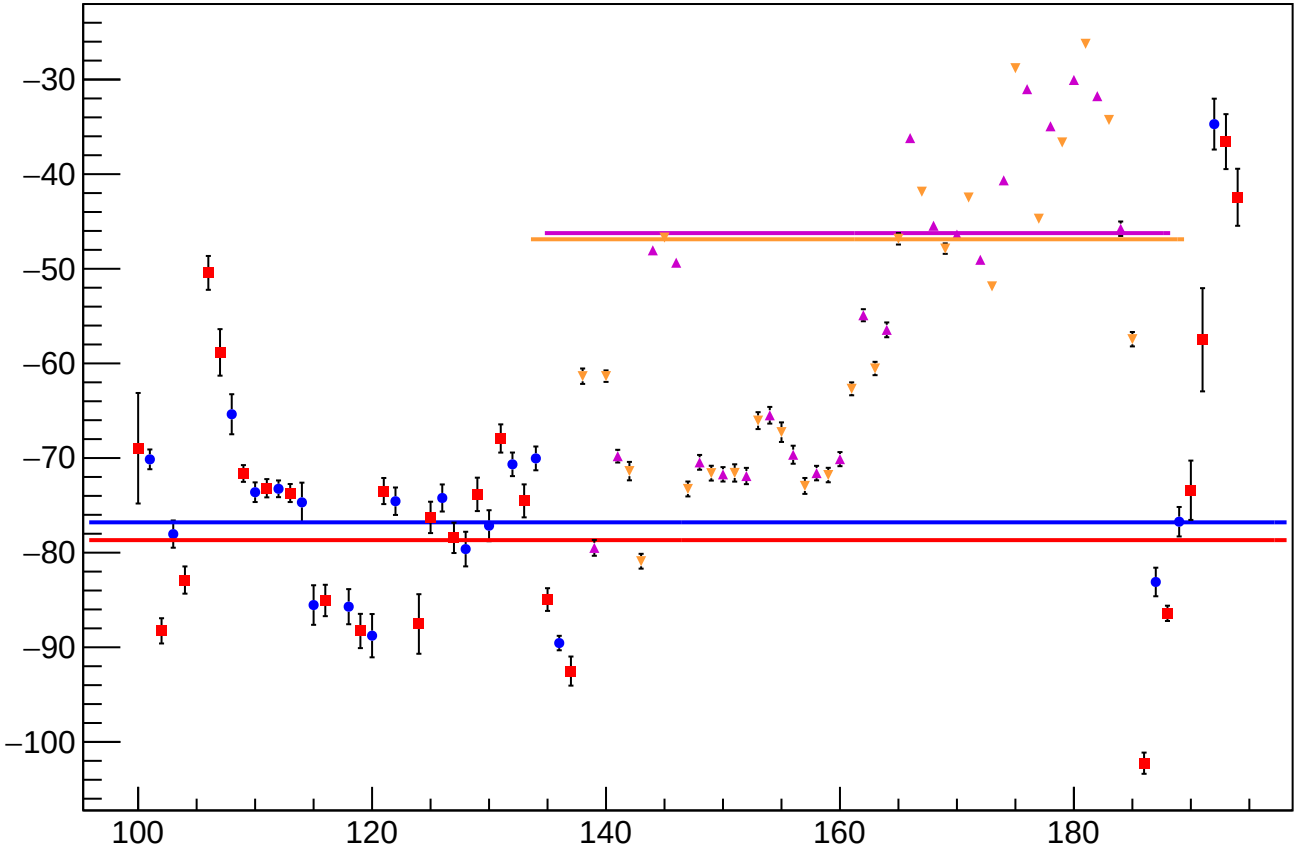
Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.495+/-0.086 χ^2/NDF: 4997.9/43

All: 6.300+/-0.061 χ^2/NDF: 8757.6/91

- sign 6.099+/-0.087 χ^2/NDF: 3749.3/47

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: -78.675+/-0.289 χ^2/NDF: 1648.1/24

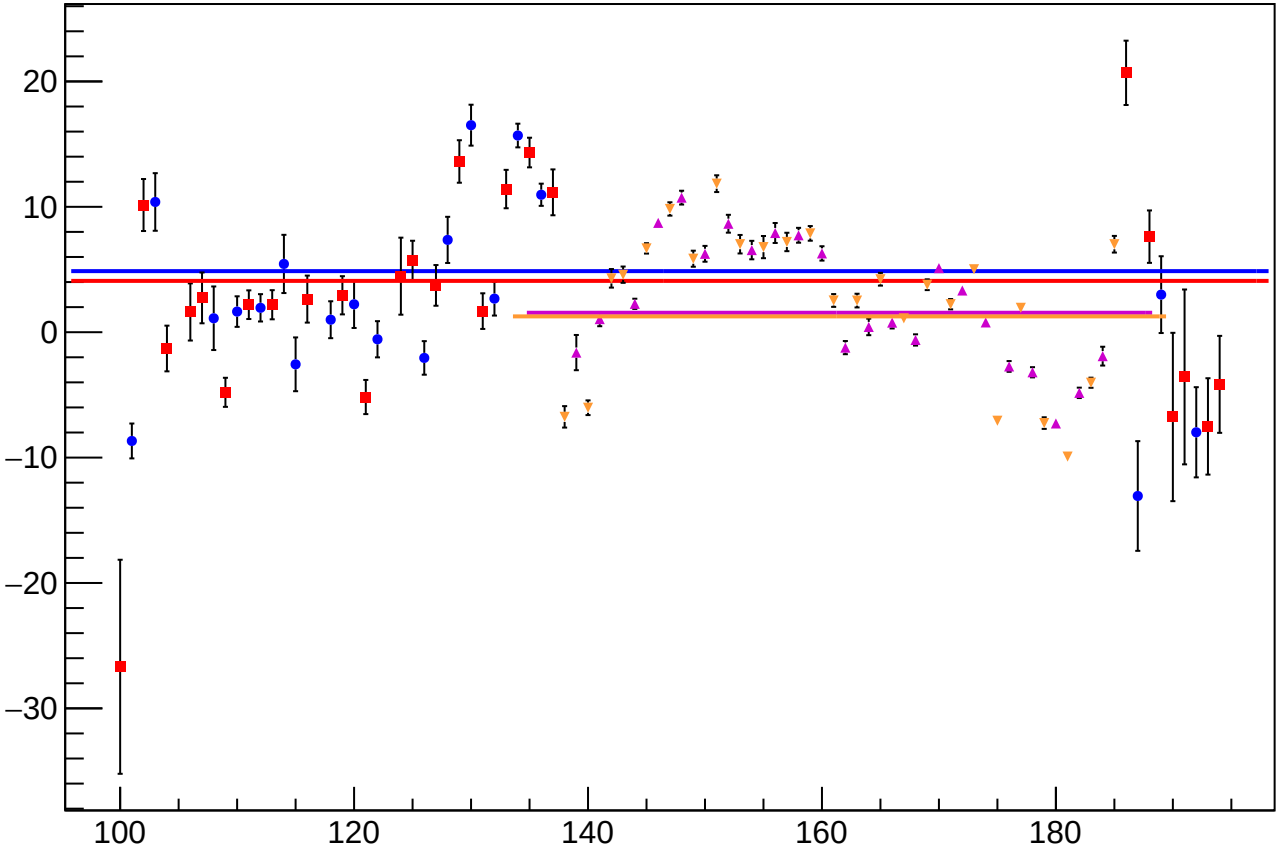
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.433+/-0.107 χ^2/NDF: 26927.5/43

All: -50.588+/-0.076 χ^2/NDF: 54585.6/91

- sign -50.746+/-0.108 χ^2/NDF: 27653.8/47

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: 4.093+/-0.349 χ^2/NDF: 354.0/24

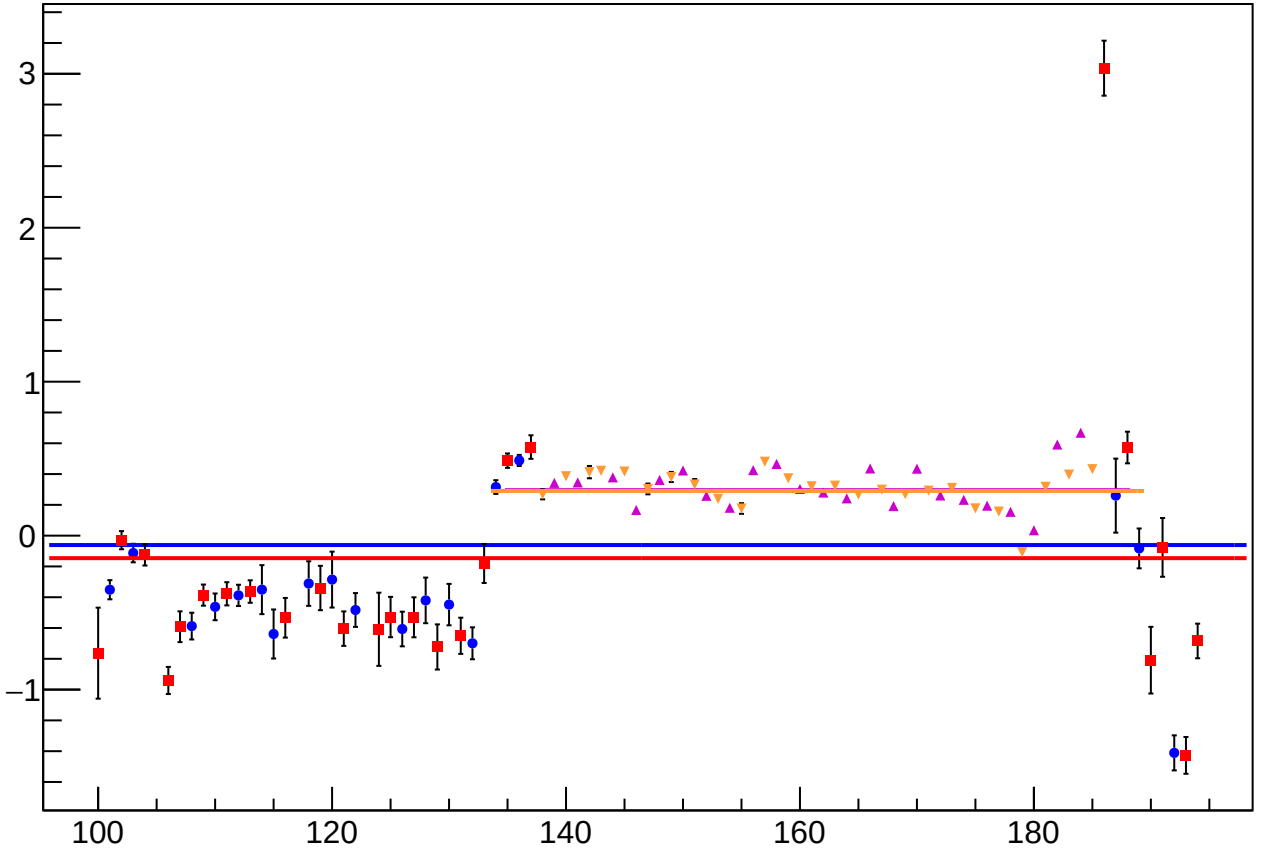
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.544+/-0.096 χ^2/NDF: 3989.6/43

All: 1.646+/-0.069 χ^2/NDF: 6730.4/91

- sign 1.751+/-0.098 χ^2/NDF: 2738.6/47

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: -0.146+/-0.019 χ^2/NDF: 1008.8/24

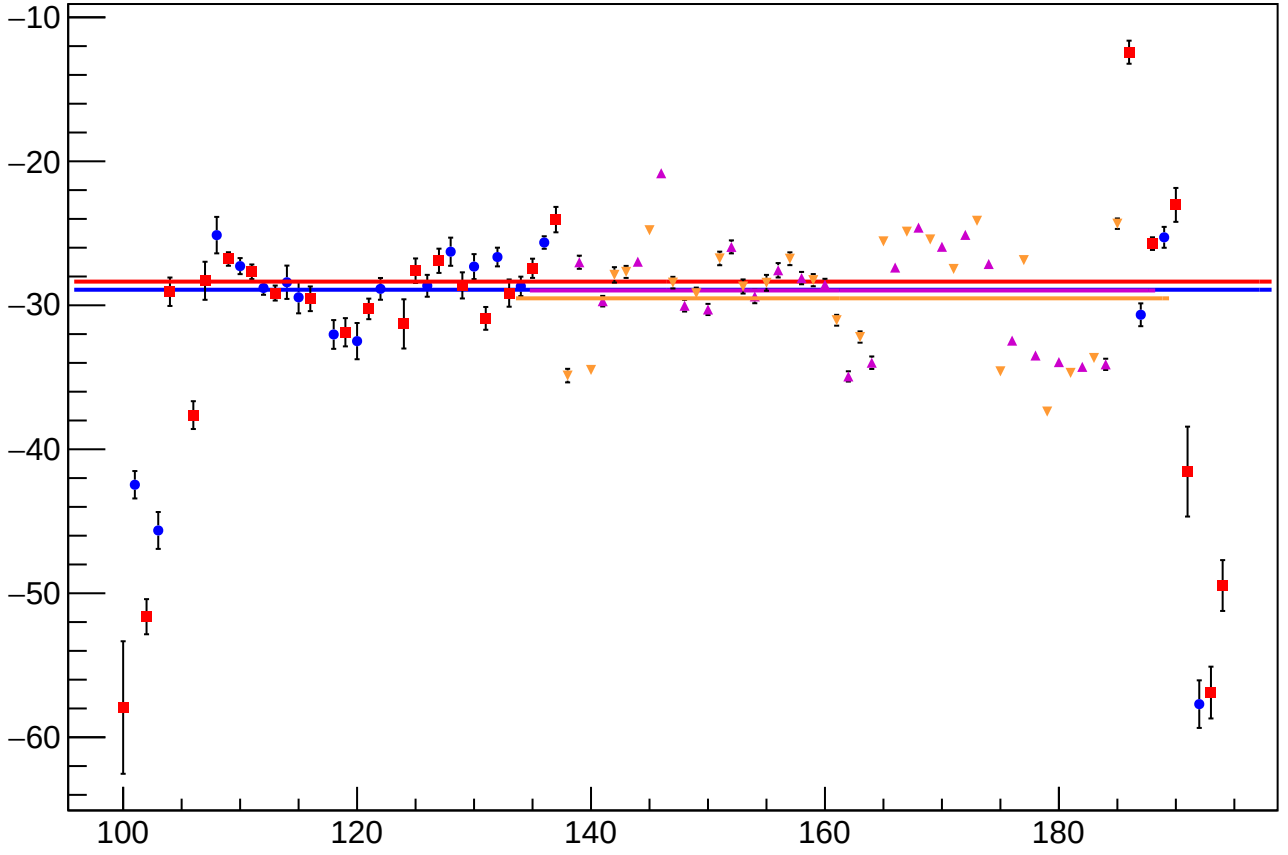
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.271+/-0.004 χ^2/NDF: 1720.8/43

All: 0.271+/-0.003 χ^2/NDF: 4276.0/91

- sign 0.271+/-0.004 χ^2/NDF: 2555.2/47

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: -28.355+/-0.161 χ^2/NDF: 1443.2/24

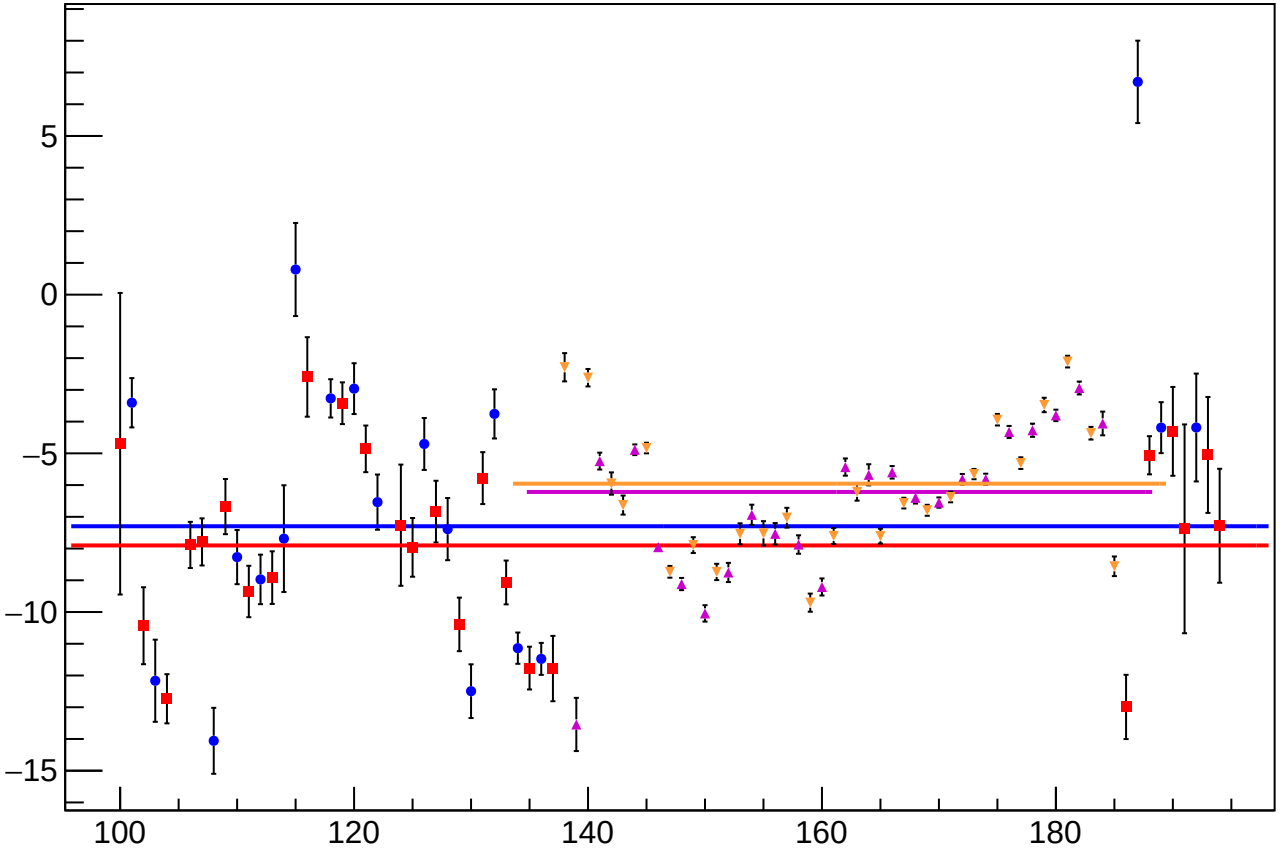
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.460+/-0.054 χ^2/NDF: 6921.0/43

All: -29.182+/-0.038 χ^2/NDF: 13779.8/91

- sign -28.902+/-0.054 χ^2/NDF: 6804.8/47

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: -7.902+/-0.180 χ^2/NDF: 255.4/24

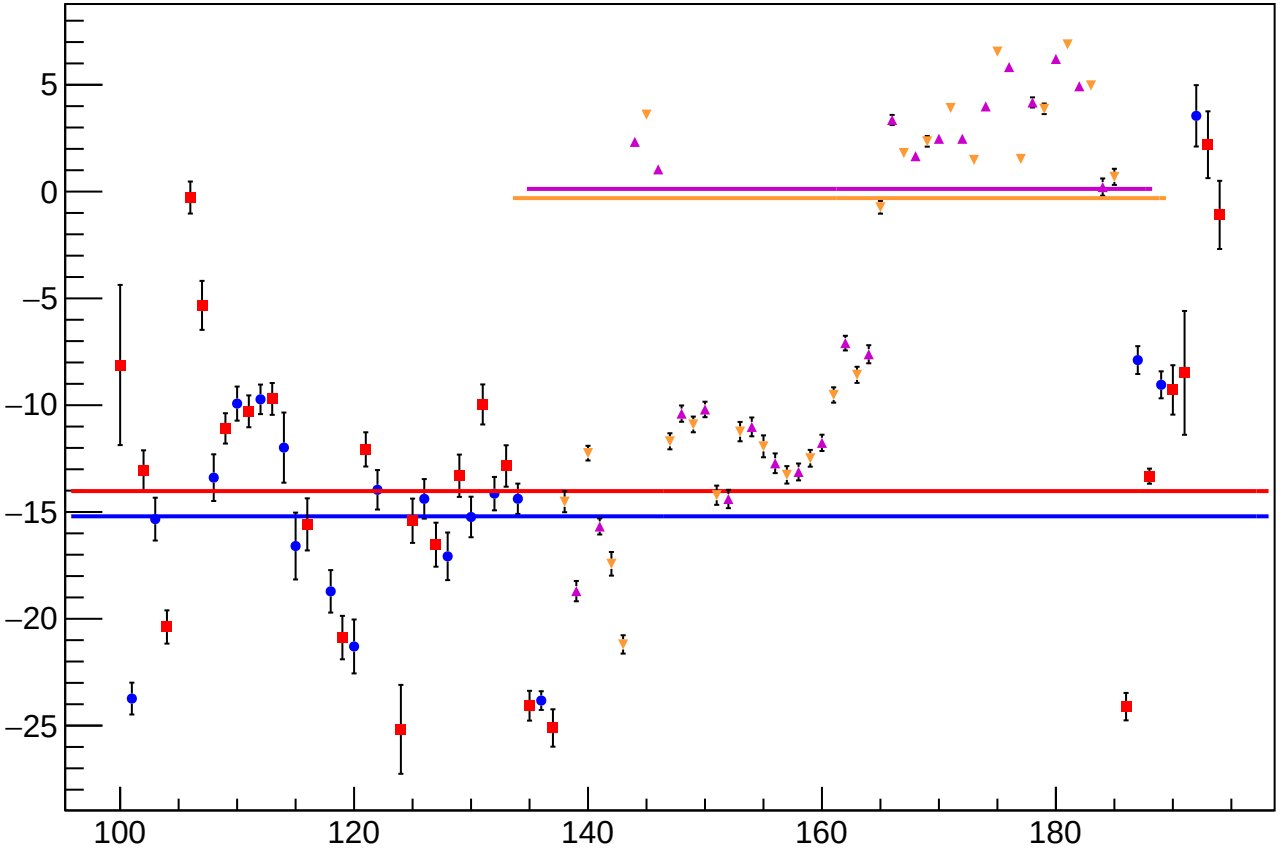
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.028+/-0.043 χ^2/NDF: 2432.4/43

All: -6.171+/-0.030 χ^2/NDF: 4533.7/91

- sign -6.312+/-0.043 χ^2/NDF: 2079.6/47

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: -14.021+/-0.169 χ^2/NDF: 1462.1/24

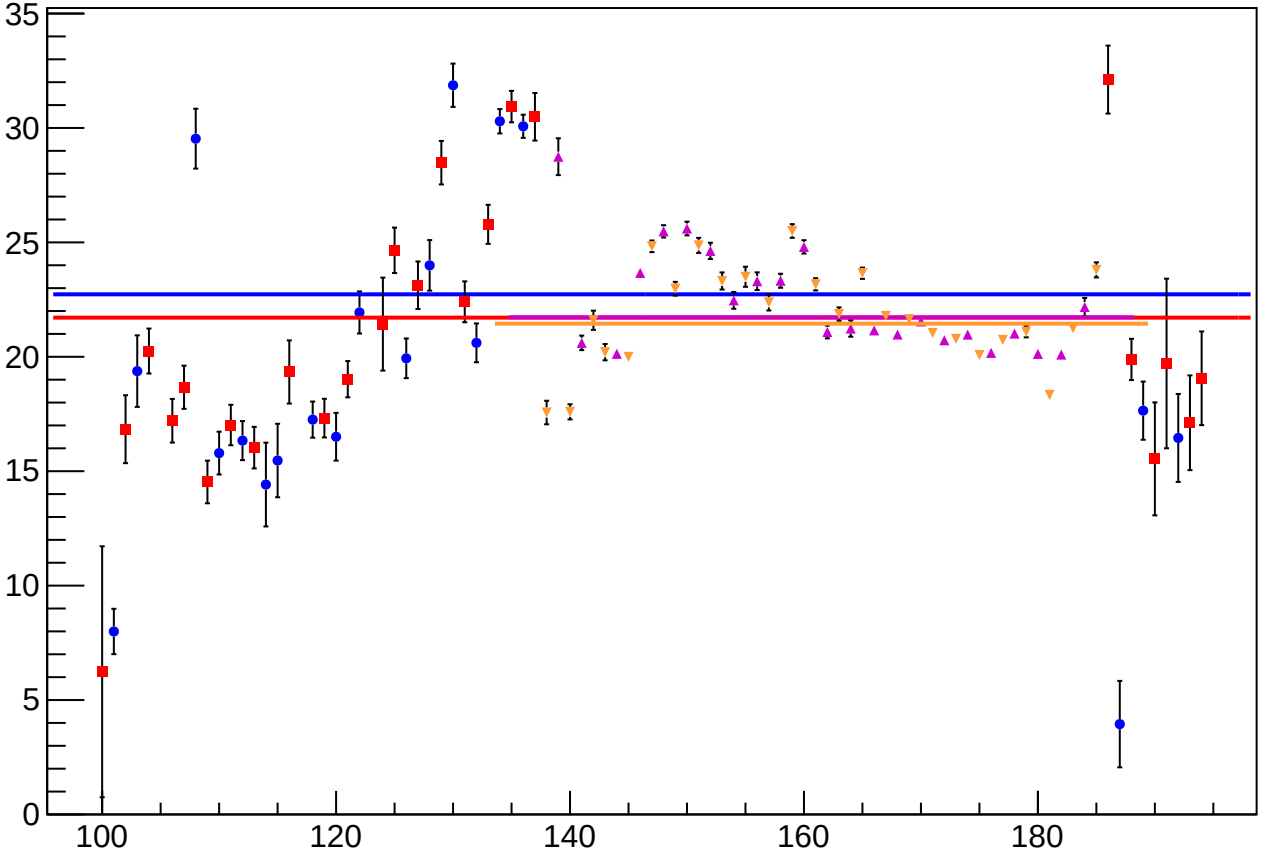
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.537+/-0.054 χ^2/NDF: 23983.0/43

All: -1.427+/-0.038 χ^2/NDF: 45572.3/91

- sign -1.318+/-0.054 χ^2/NDF: 21581.2/47

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: 21.712+/-0.212 χ^2/NDF: 624.6/24

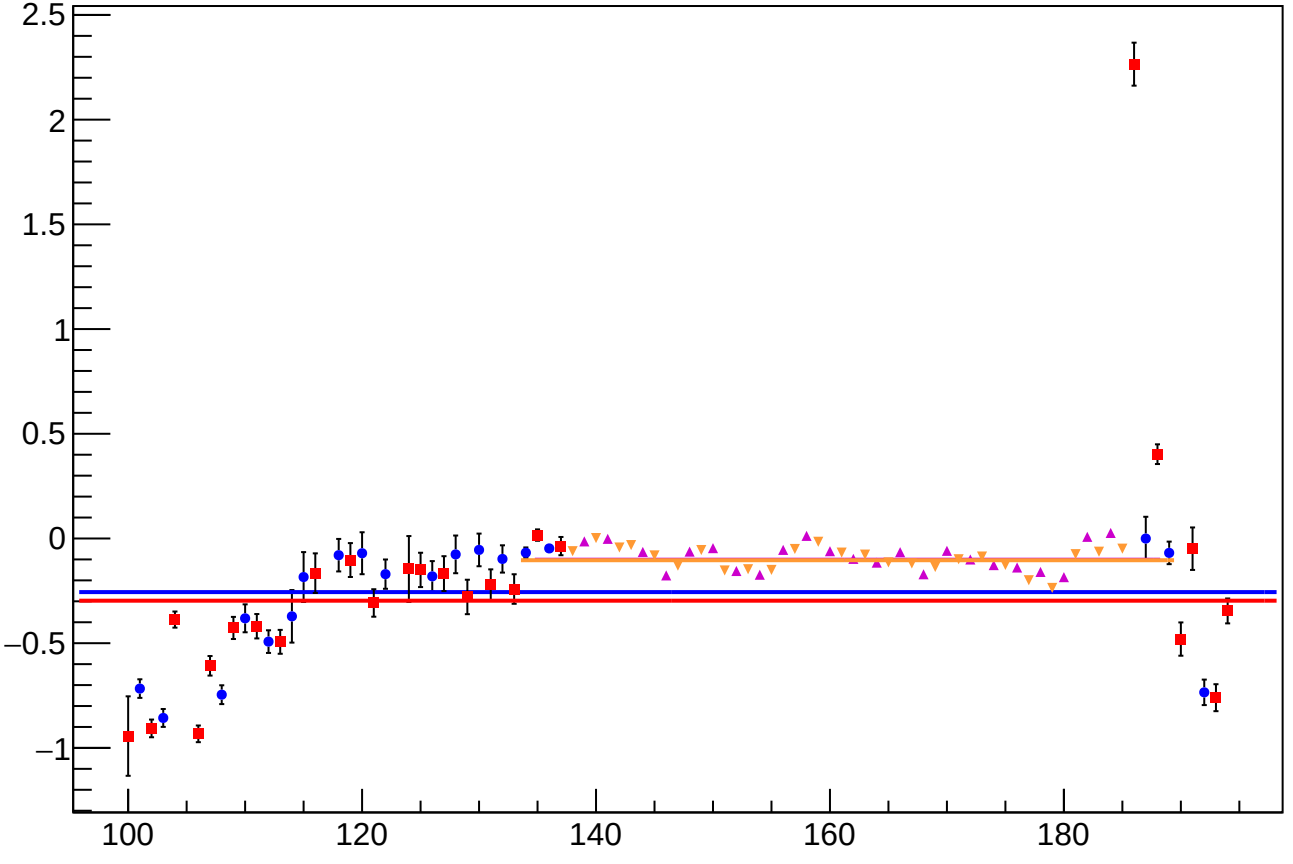
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.513+/-0.048 χ^2/NDF: 2498.6/43

All: 21.619+/-0.034 χ^2/NDF: 4306.4/91

- sign 21.725+/-0.048 χ^2/NDF: 1798.3/47

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: -0.297+/-0.011 χ^2/NDF: 1640.2/24

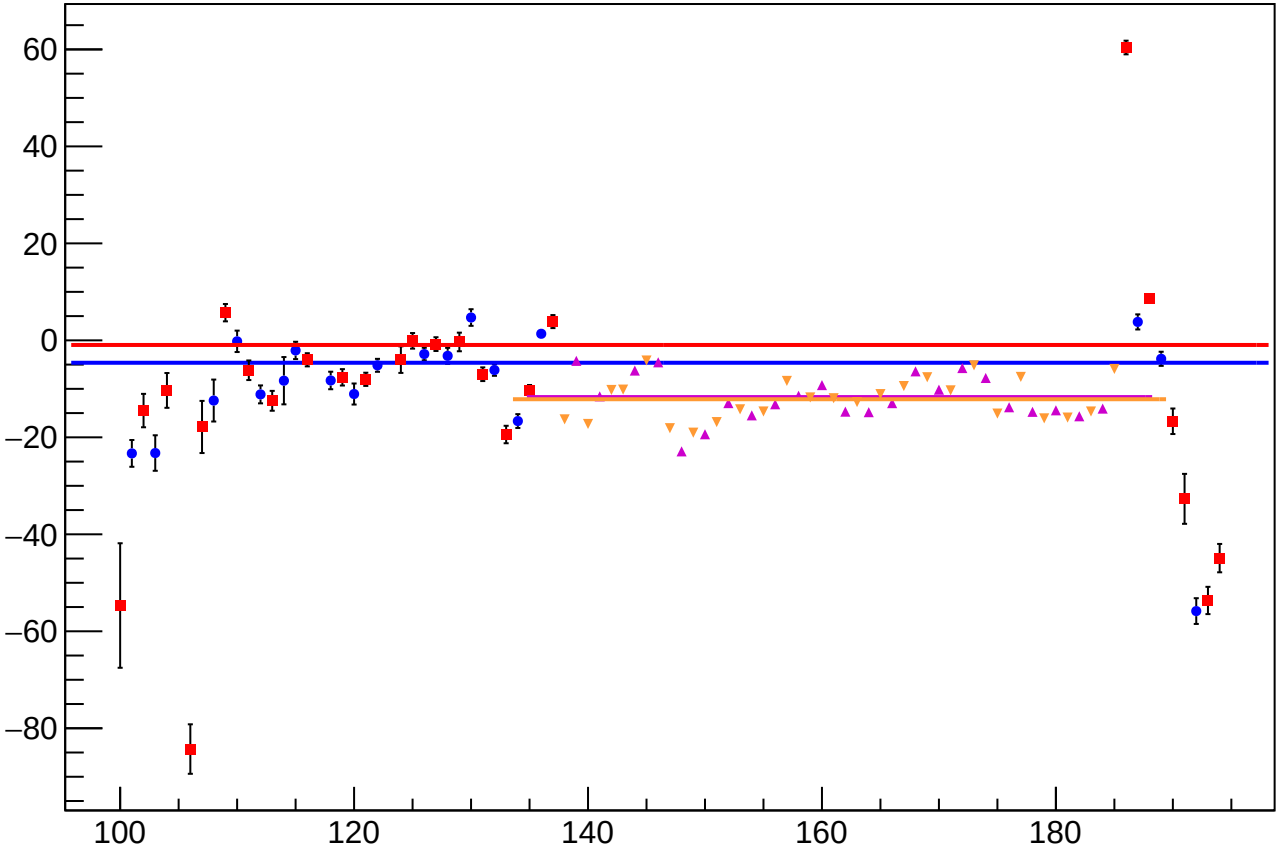
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.110+/-0.002 χ^2/NDF: 1441.0/43

All: -0.109+/-0.002 χ^2/NDF: 4129.5/91

- sign -0.109+/-0.002 χ^2/NDF: 2688.4/47

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: -0.950+/-0.344 χ^2/NDF: 3314.1/24

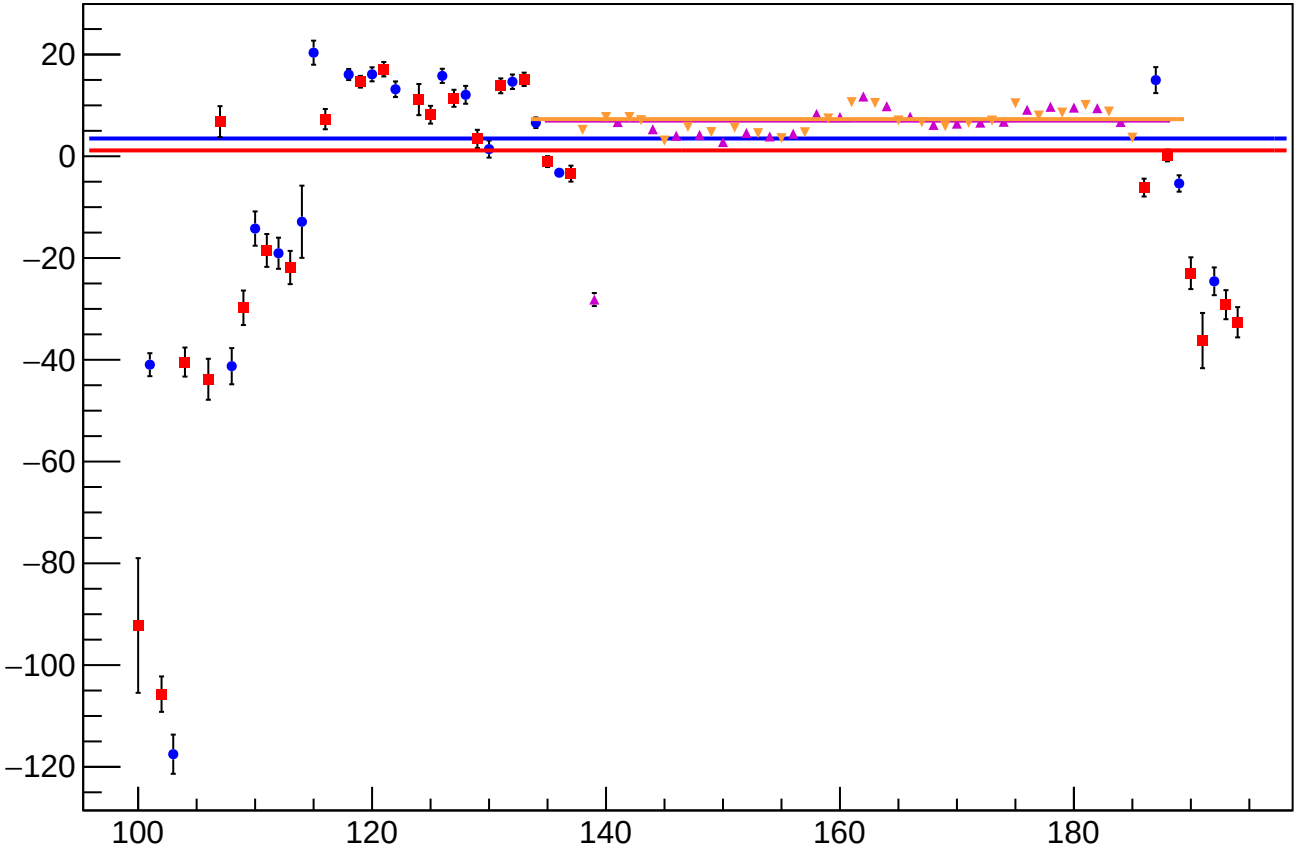
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.677+/-0.089 χ^2/NDF: 3240.0/43

All: -11.322+/-0.063 χ^2/NDF: 9443.9/91

- sign -10.949+/-0.091 χ^2/NDF: 6171.0/47

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: 1.149+/-0.377 χ^2/NDF: 2410.8/24

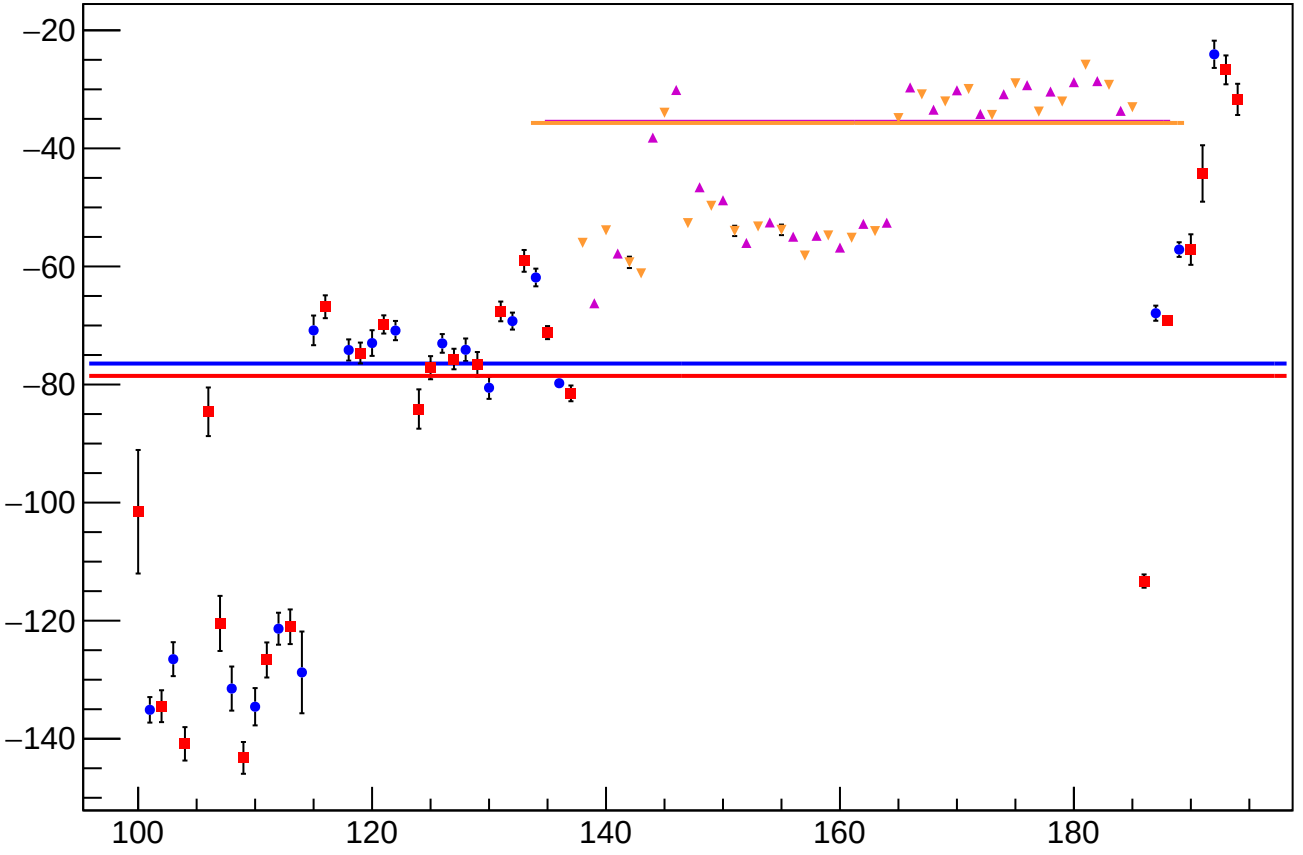
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.145+/-0.073 χ^2/NDF: 3255.3/43

All: 6.963+/-0.052 χ^2/NDF: 7486.7/91

- sign 6.775+/-0.075 χ^2/NDF: 4219.0/47

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: -78.538+/-0.348 χ^2/NDF: 4372.1/24

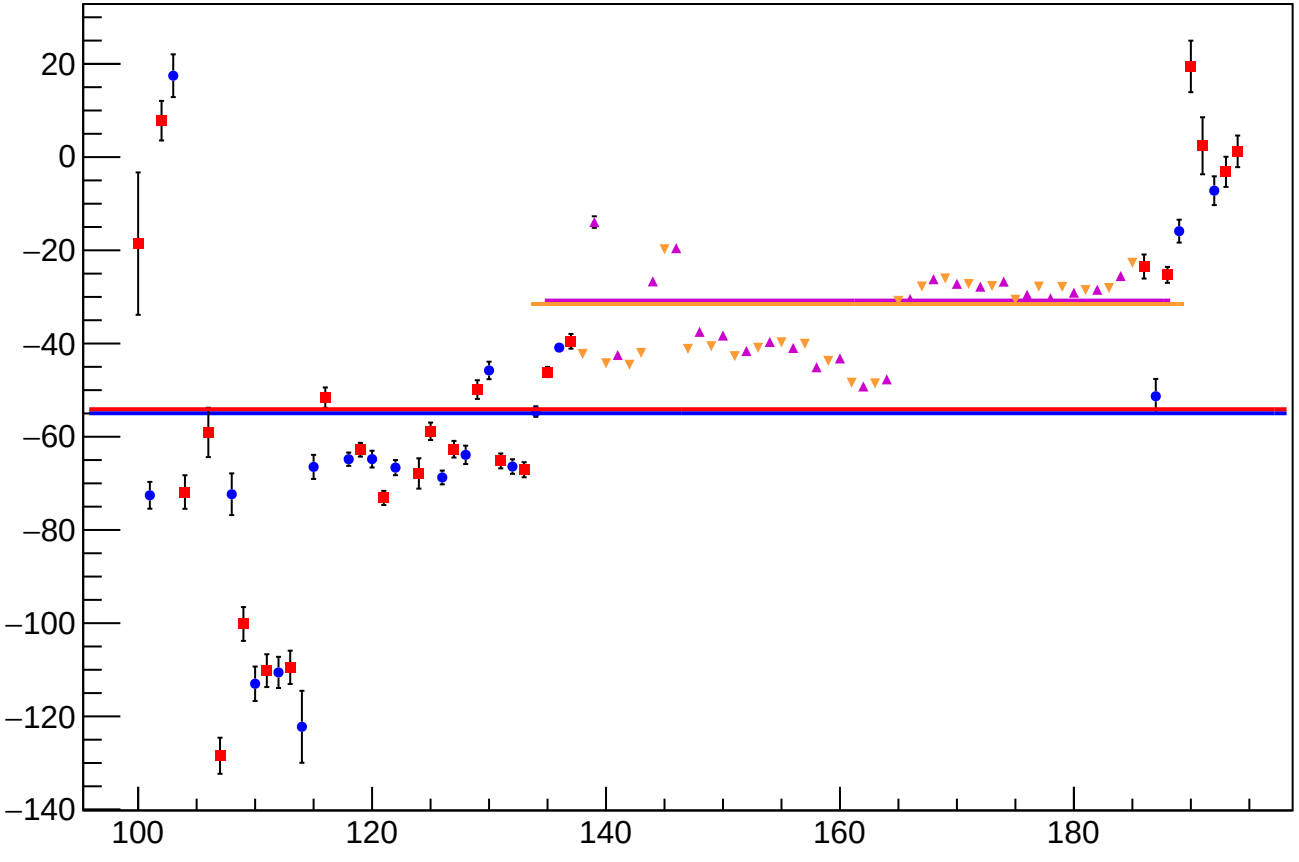
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -38.042+/-0.090 χ^2/NDF: 26951.6/43

All: -38.249+/-0.064 χ^2/NDF: 56768.6/91

- sign -38.463+/-0.091 χ^2/NDF: 29806.2/47

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: -54.097+/-0.436 χ^2/NDF: 2961.8/24

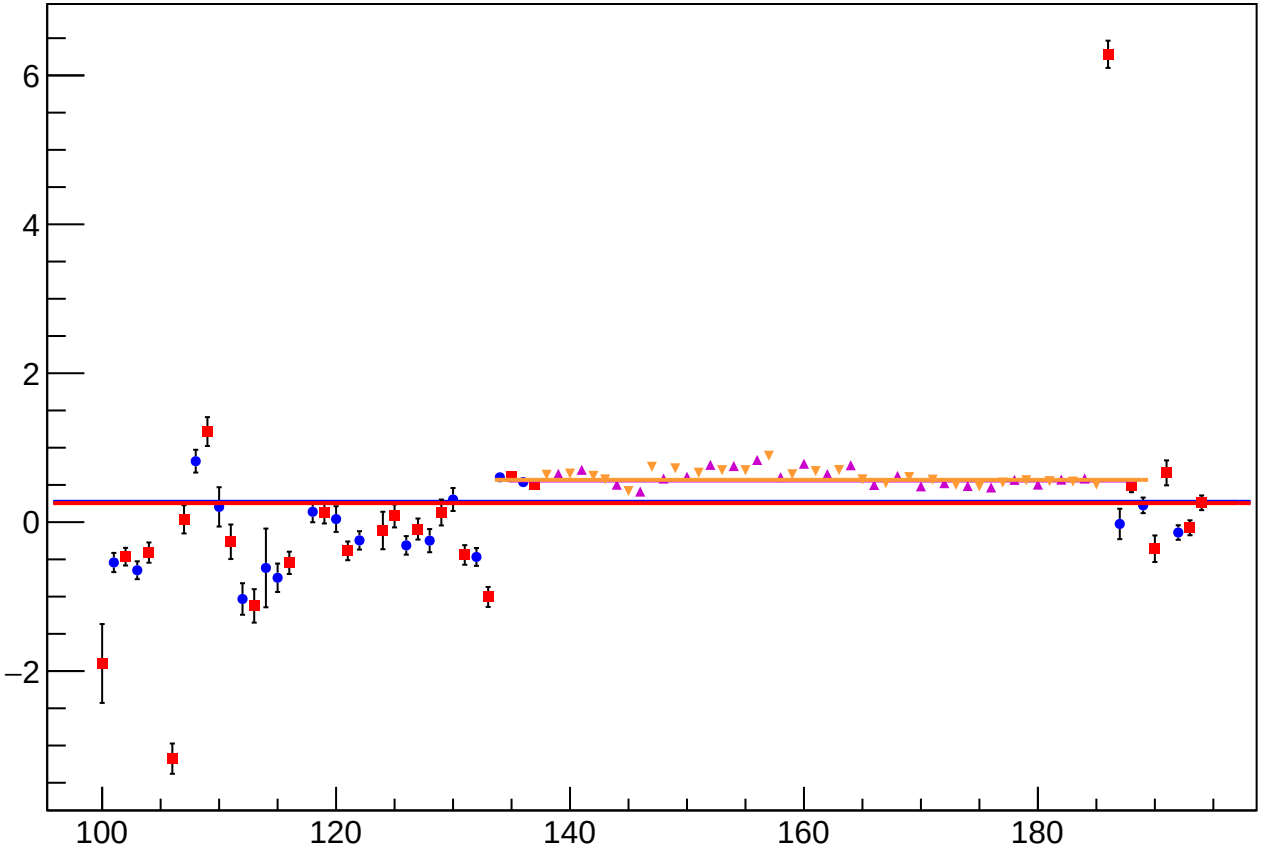
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.425+/-0.081 χ^2/NDF: 13598.2/43

All: -32.035+/-0.058 χ^2/NDF: 26910.3/91

- sign -31.629+/-0.083 χ^2/NDF: 13264.9/47

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: 0.256+/-0.023 χ^2/NDF: 1816.9/24

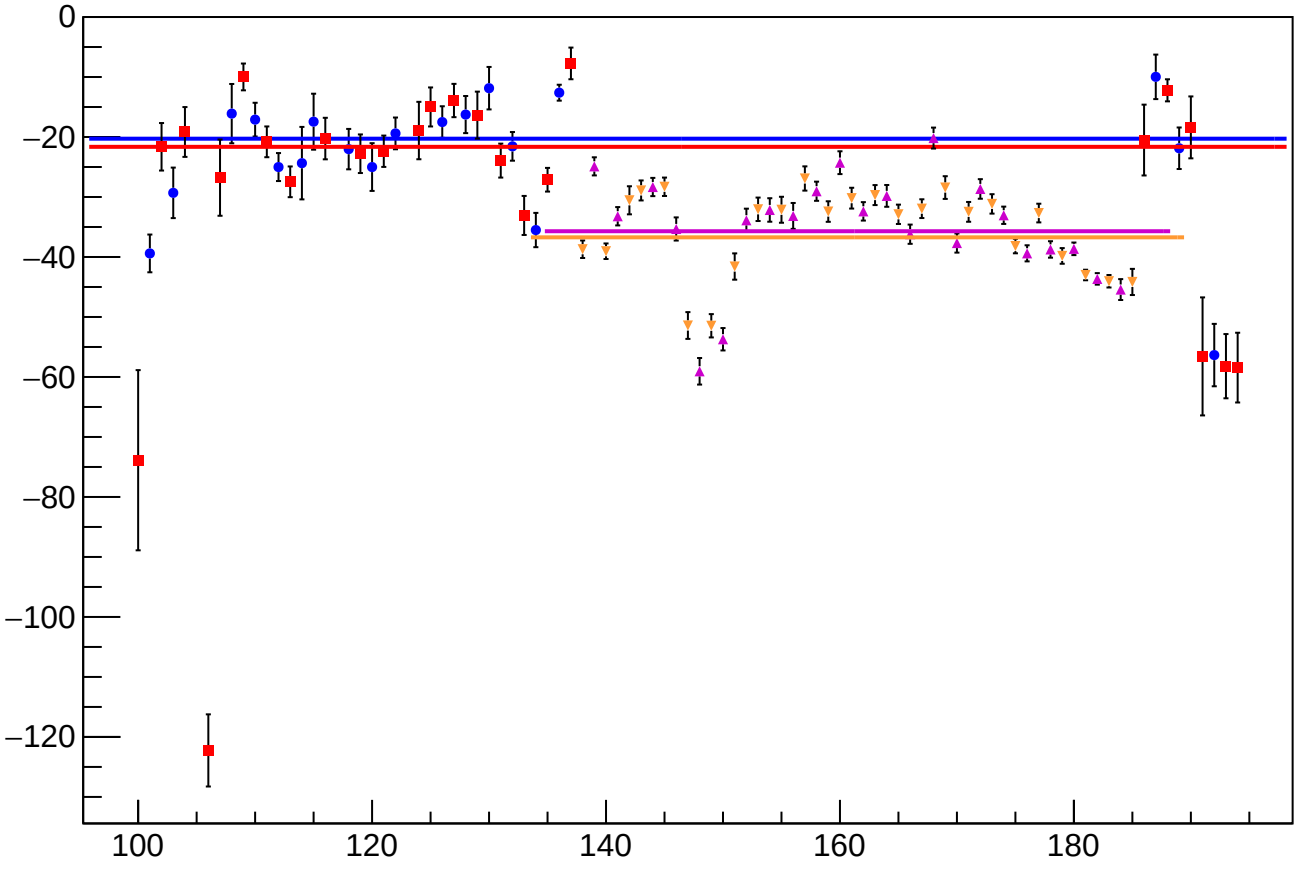
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.560+/-0.004 χ^2/NDF: 1130.1/43

All: 0.556+/-0.003 χ^2/NDF: 3788.9/91

- sign 0.552+/-0.004 χ^2/NDF: 2656.5/47

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: -21.638+/-0.645 χ^2/NDF: 514.4/24

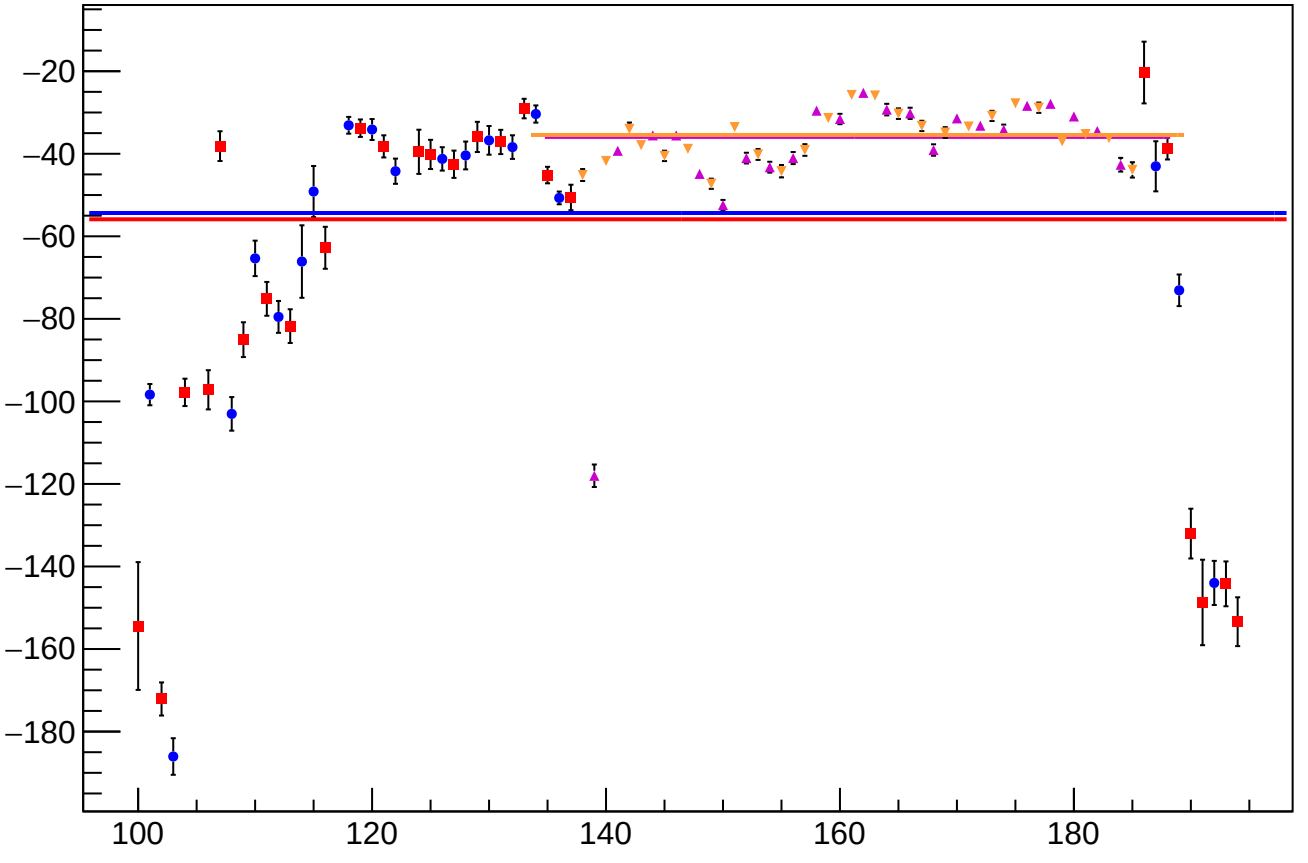
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.782+/-0.281 χ^2/NDF: 1100.4/43

All: -33.347+/-0.201 χ^2/NDF: 2578.1/91

- sign -32.887+/-0.289 χ^2/NDF: 1472.8/47

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: -55.877+/-0.699 χ^2/NDF: 2521.2/24

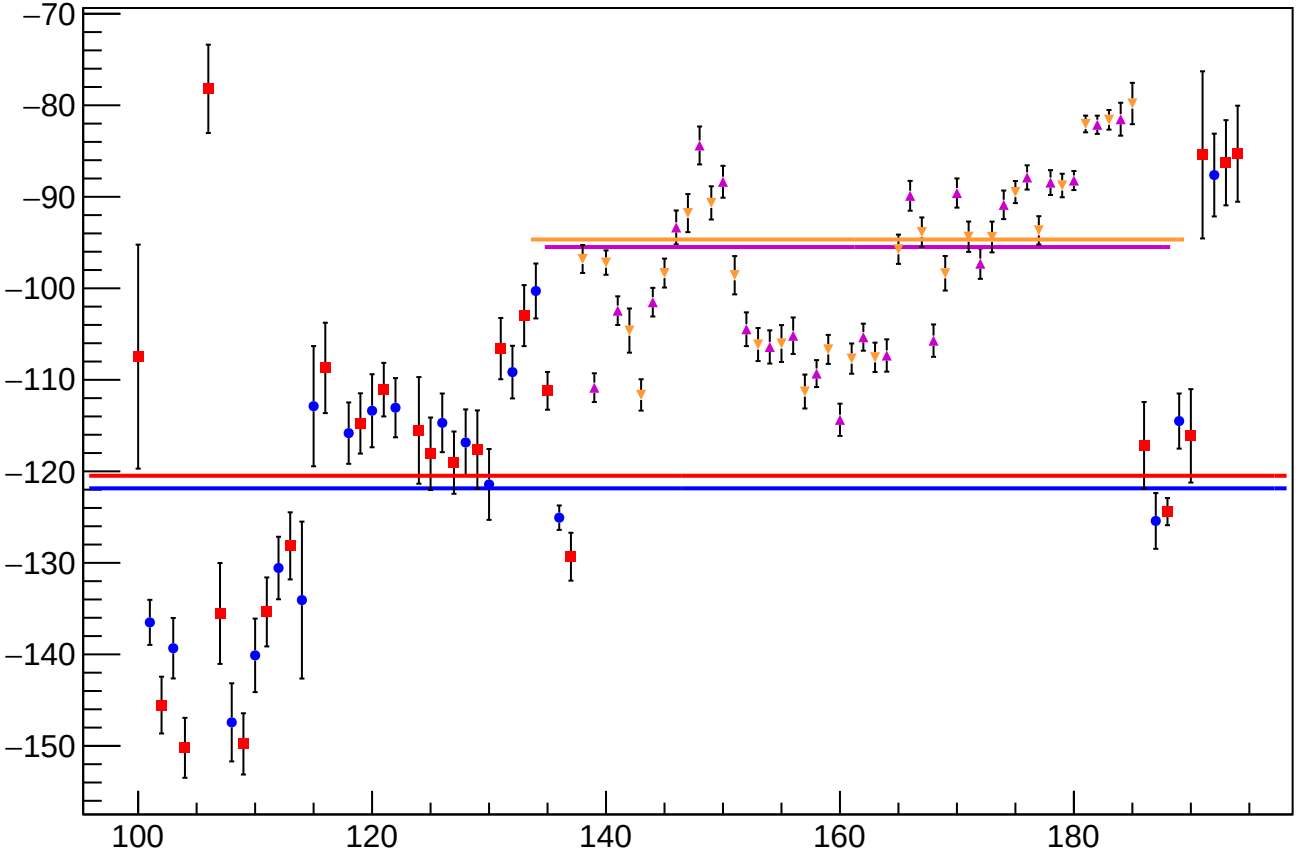
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -37.579+/-0.231 χ^2/NDF: 3306.9/43

All: -37.914+/-0.166 χ^2/NDF: 8095.4/91

- sign -38.279+/-0.240 χ^2/NDF: 4784.1/47

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: -120.482+/-0.676 χ^2/NDF: 548.5/24

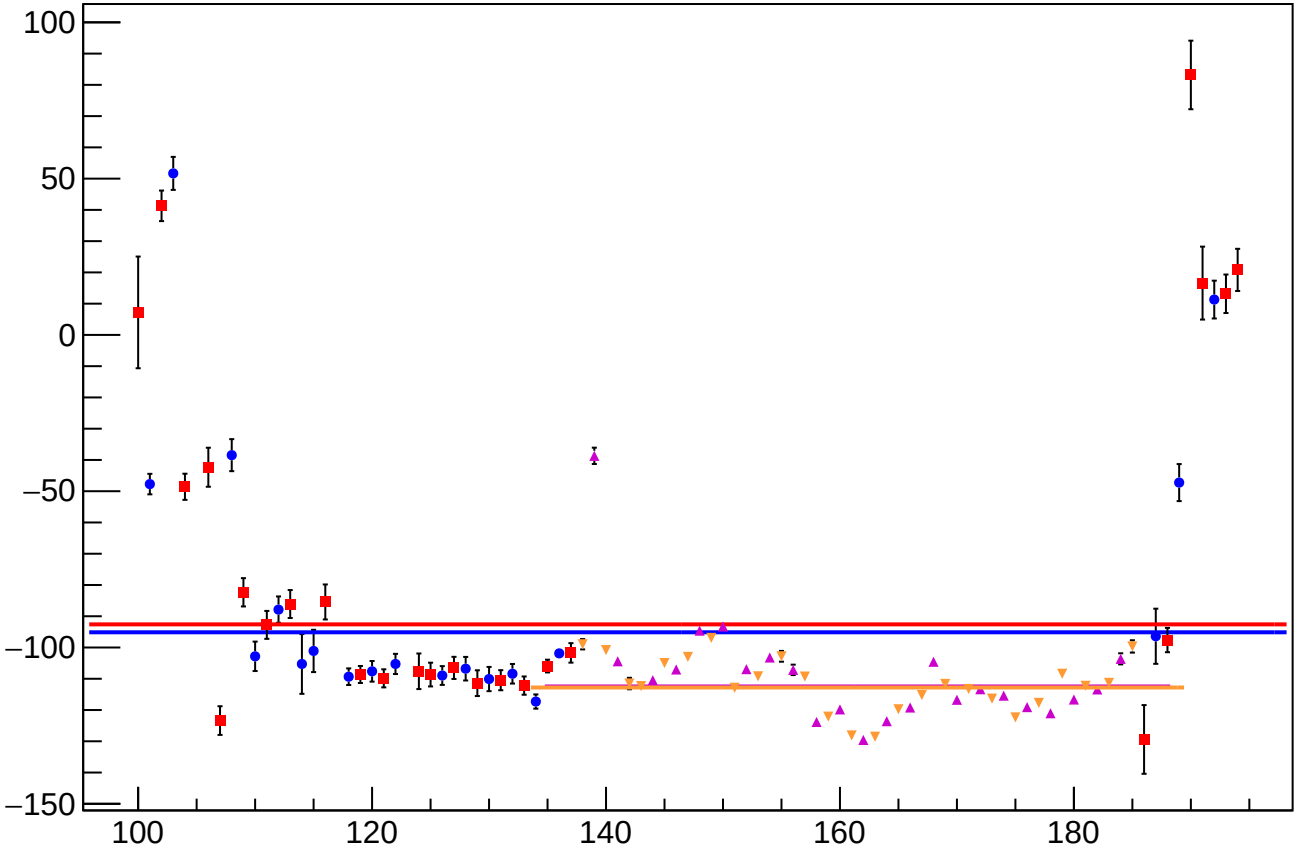
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.124+/-0.283 χ^2/NDF: 2458.0/43

All: -99.598+/-0.203 χ^2/NDF: 5098.3/91

- sign -100.095+/-0.290 χ^2/NDF: 2634.6/47

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: -92.599+/-0.804 χ^2/NDF: 2205.1/24

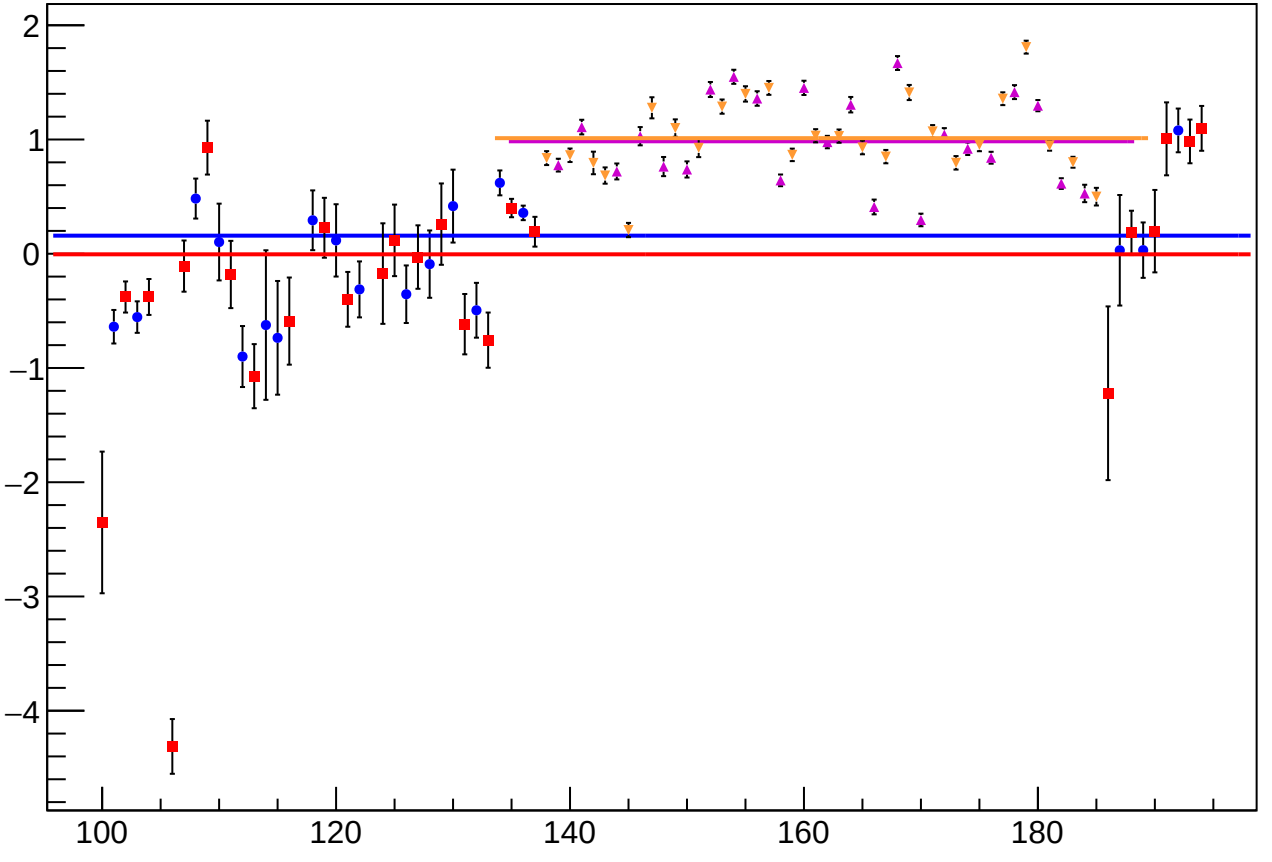
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -110.838+/-0.258 χ^2/NDF: 3113.7/43

All: -110.555+/-0.186 χ^2/NDF: 7652.2/91

- sign -110.251+/-0.268 χ^2/NDF: 4536.0/47

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: -0.005+/-0.041 χ^2/NDF: 502.9/24

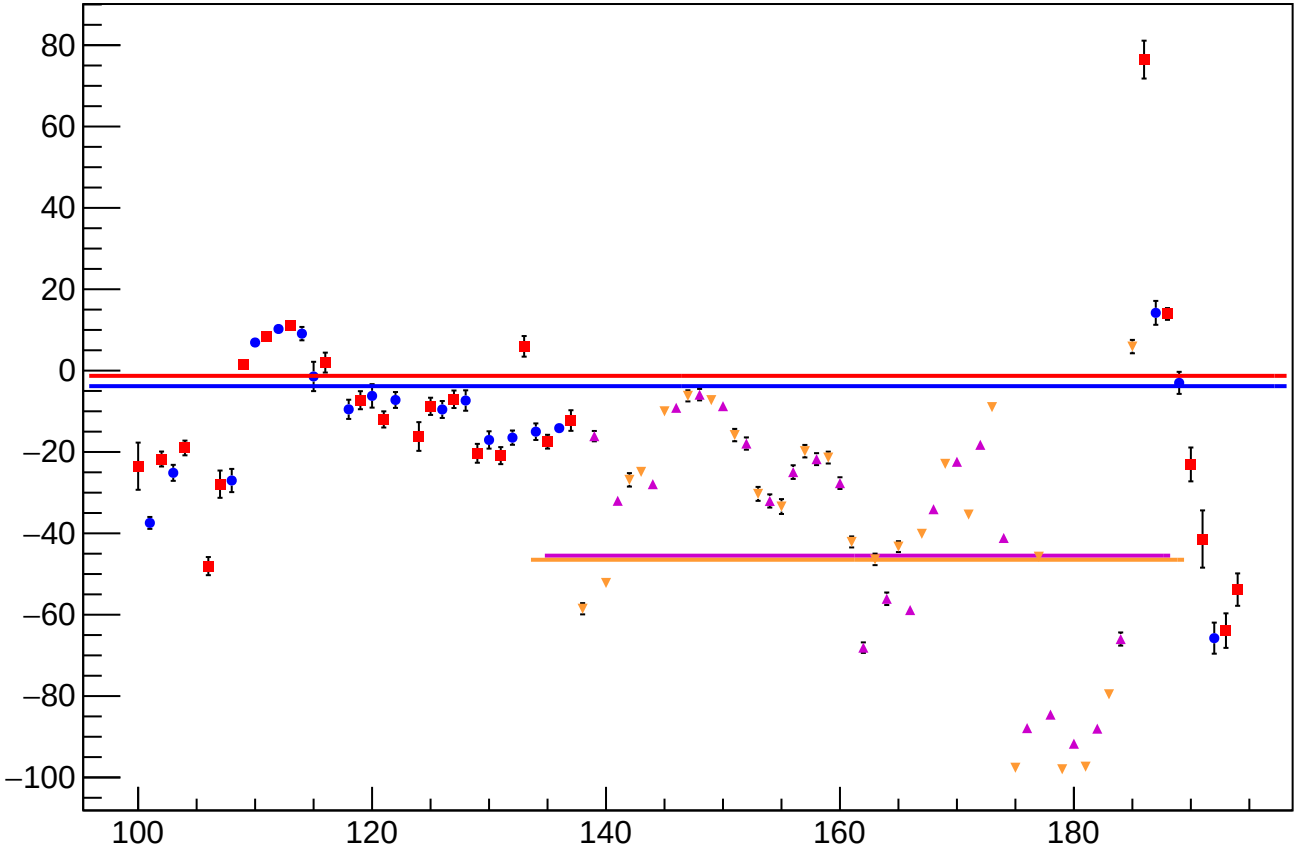
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.937+/-0.012 χ^2/NDF: 1262.9/43

All: 0.919+/-0.008 χ^2/NDF: 3203.8/91

- sign 0.899+/-0.012 χ^2/NDF: 1935.8/47

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: -1.286+/-0.325 χ^2/NDF: 2365.9/24

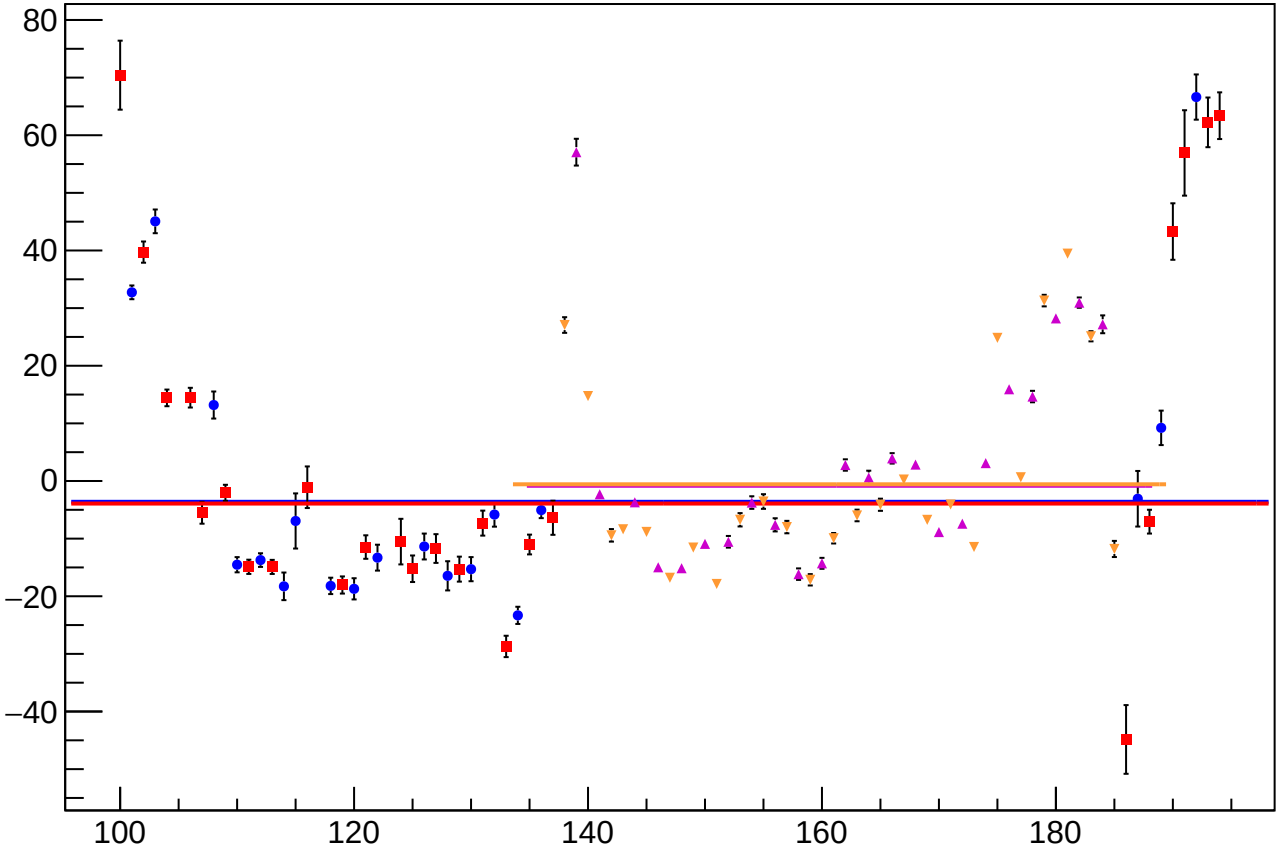
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.521+/-0.195 χ^2/NDF: 31527.7/43

All: -32.275+/-0.137 χ^2/NDF: 61761.0/91

- sign -30.103+/-0.192 χ^2/NDF: 29972.8/47

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: -3.916+/-0.407 χ^2/NDF: 2243.5/24

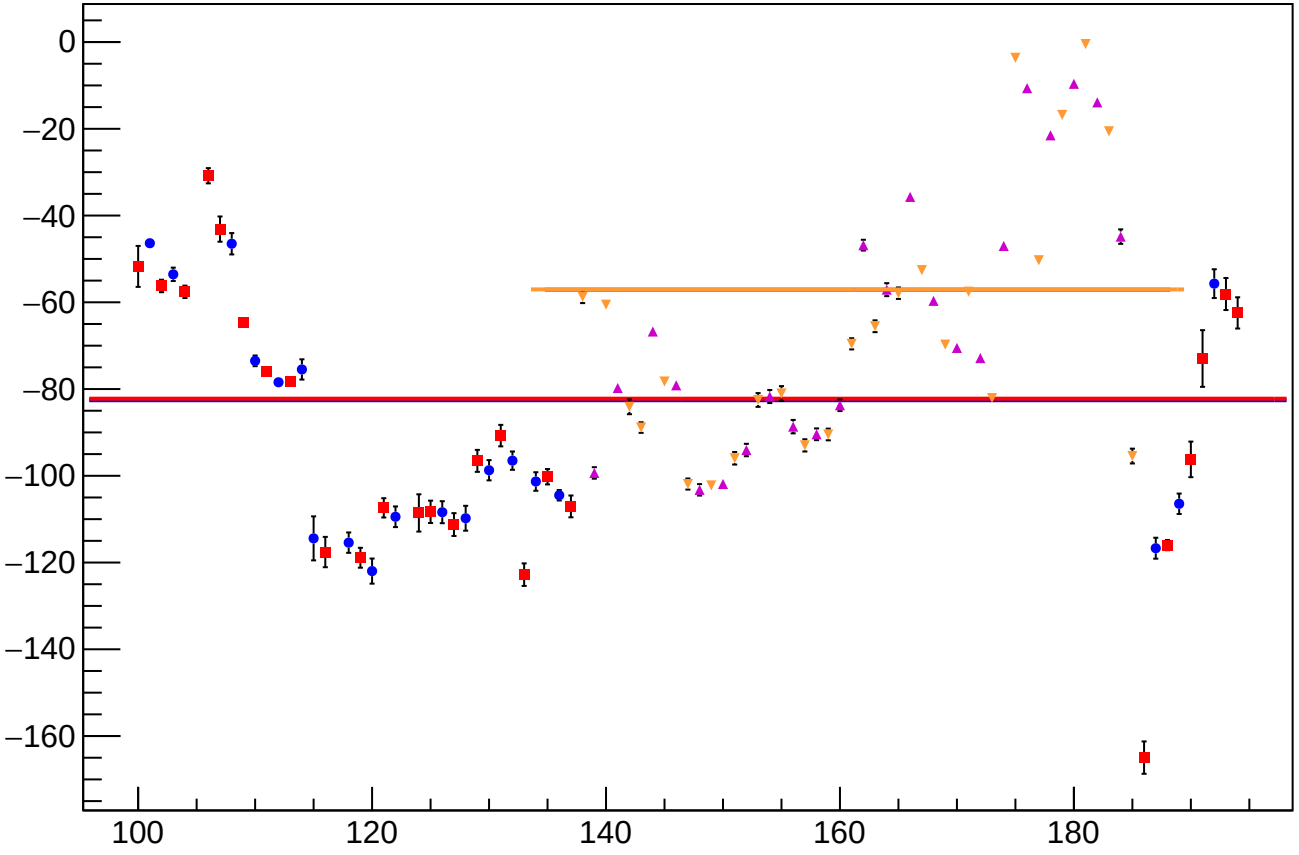
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -1.027+/-0.163 χ^2/NDF: 10988.9/43

All: -1.184+/-0.117 χ^2/NDF: 19398.8/91

- sign -1.348+/-0.167 χ^2/NDF: 8408.0/47

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: -82.225+/-0.384 χ^2/NDF: 4674.3/24

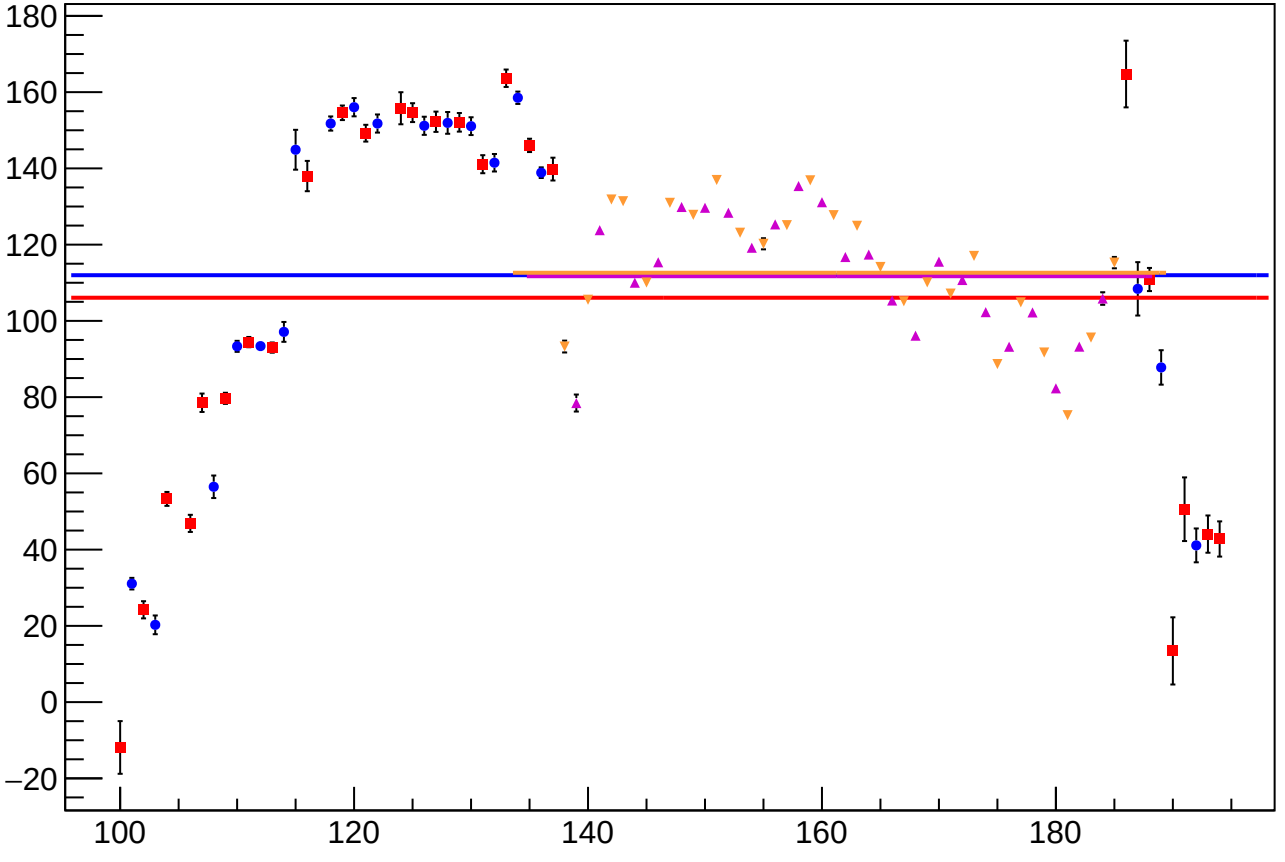
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -62.899+/-0.202 χ^2/NDF: 26397.5/43

All: -63.457+/-0.143 χ^2/NDF: 51363.0/91

- sign -64.013+/-0.201 χ^2/NDF: 24950.3/47

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: 106.075+/-0.467 χ^2/NDF: 8103.9/24

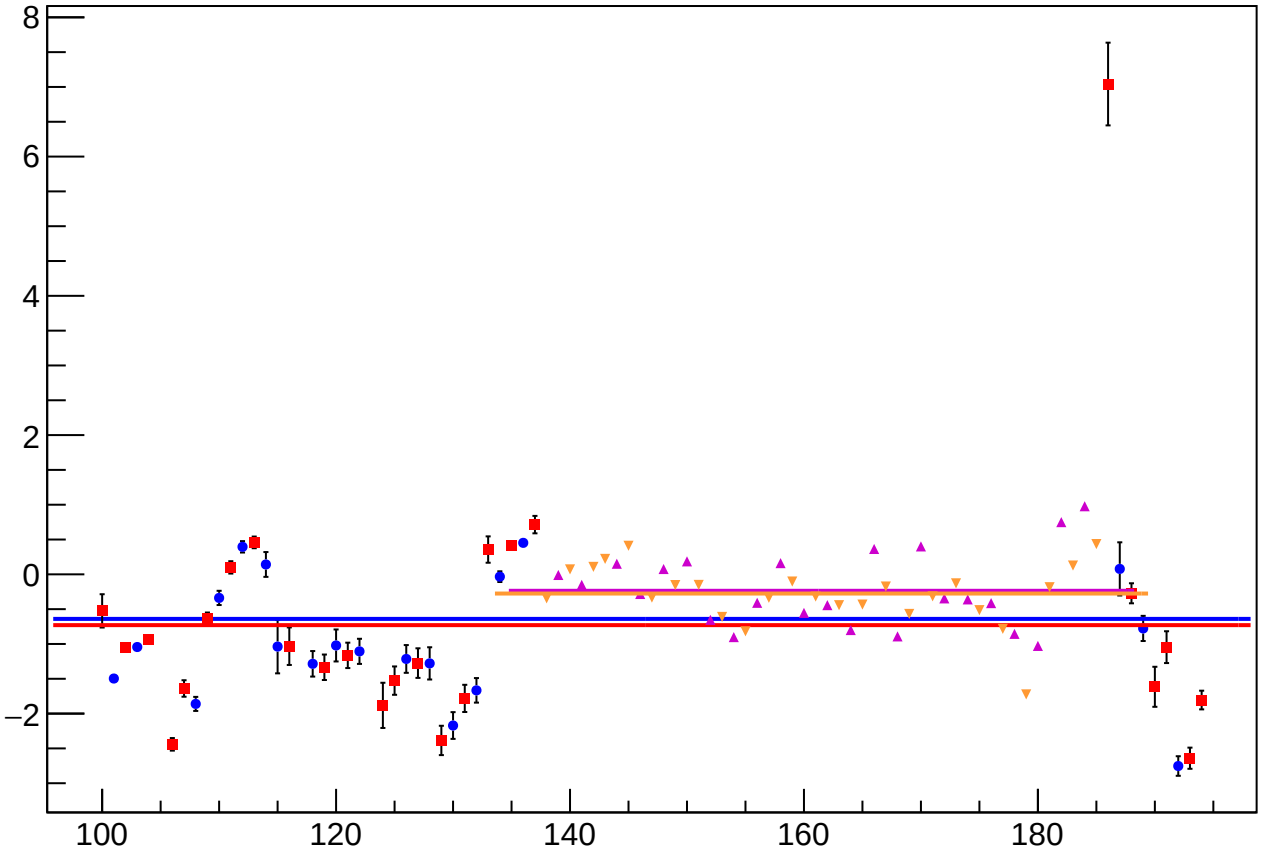
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.530+/-0.185 χ^2/NDF: 15202.9/43

All: 111.683+/-0.132 χ^2/NDF: 28369.1/91

- sign 110.800+/-0.188 χ^2/NDF: 13123.1/47

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: -0.730+/-0.024 χ^2/NDF: 1738.8/24

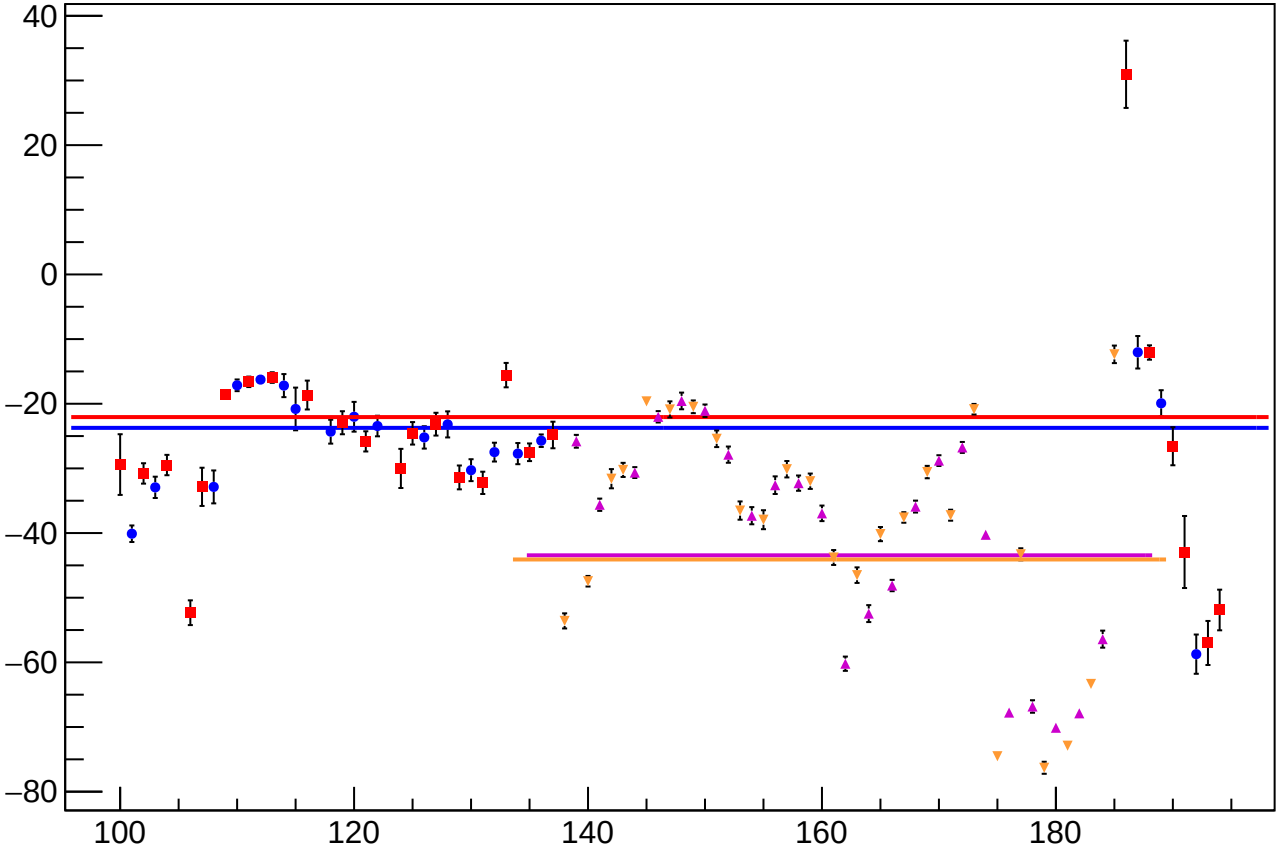
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.317+/-0.008 χ^2/NDF: 3644.3/43

All: -0.309+/-0.006 χ^2/NDF: 8718.0/91

- sign -0.300+/-0.009 χ^2/NDF: 5071.7/47

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: -22.063+/-0.304 χ^2/NDF: 948.9/24

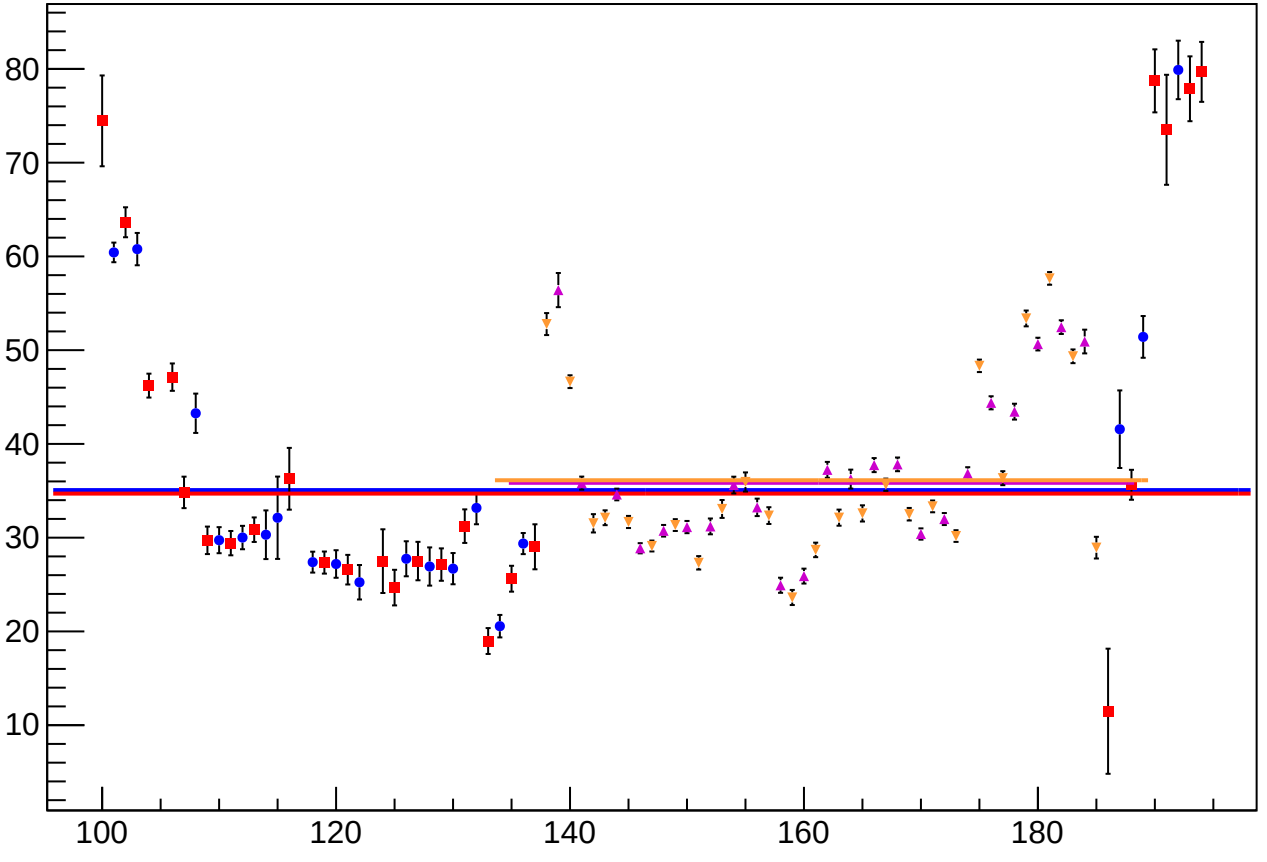
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -39.080+/-0.168 χ^2/NDF: 13640.8/43

All: -38.050+/-0.118 χ^2/NDF: 25955.4/91

- sign -37.035+/-0.166 χ^2/NDF: 12239.6/47

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: 34.700+/-0.355 χ^2/NDF: 1479.7/24

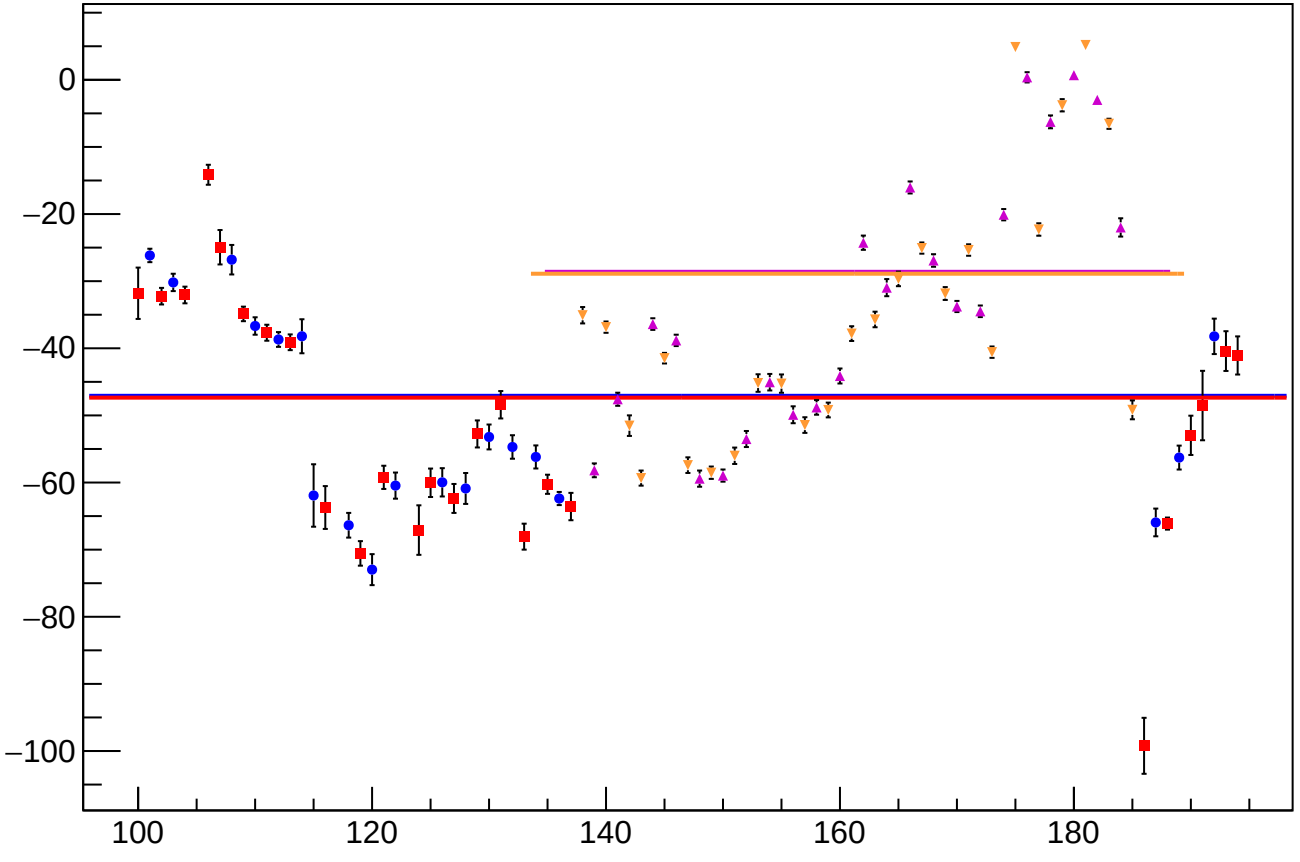
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

\+ sign 35.972+/-0.139 χ^2/NDF: 5022.1/43

All: 35.824+/-0.099 χ^2/NDF: 8806.5/91

\- sign 35.668+/-0.142 χ^2/NDF: 3782.0/47

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: -47.352+/-0.340 χ^2/NDF: 2359.0/24

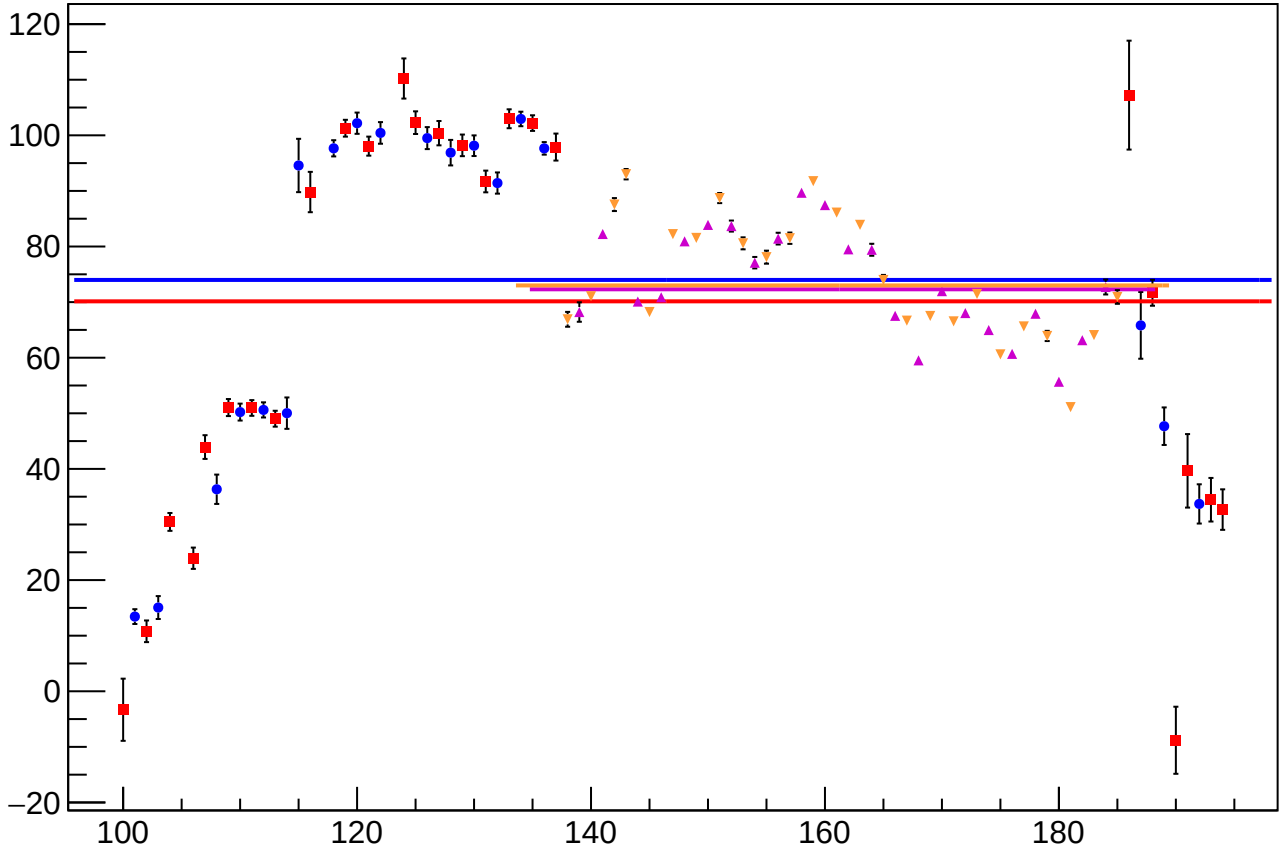
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

\+ sign -32.761+/-0.171 χ^2/NDF: 15309.2/43

All: -33.057+/-0.121 χ^2/NDF: 29965.1/91

\- sign -33.354+/-0.171 χ^2/NDF: 14649.8/47

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: 70.139+/-0.412 χ^2/NDF: 6033.7/24

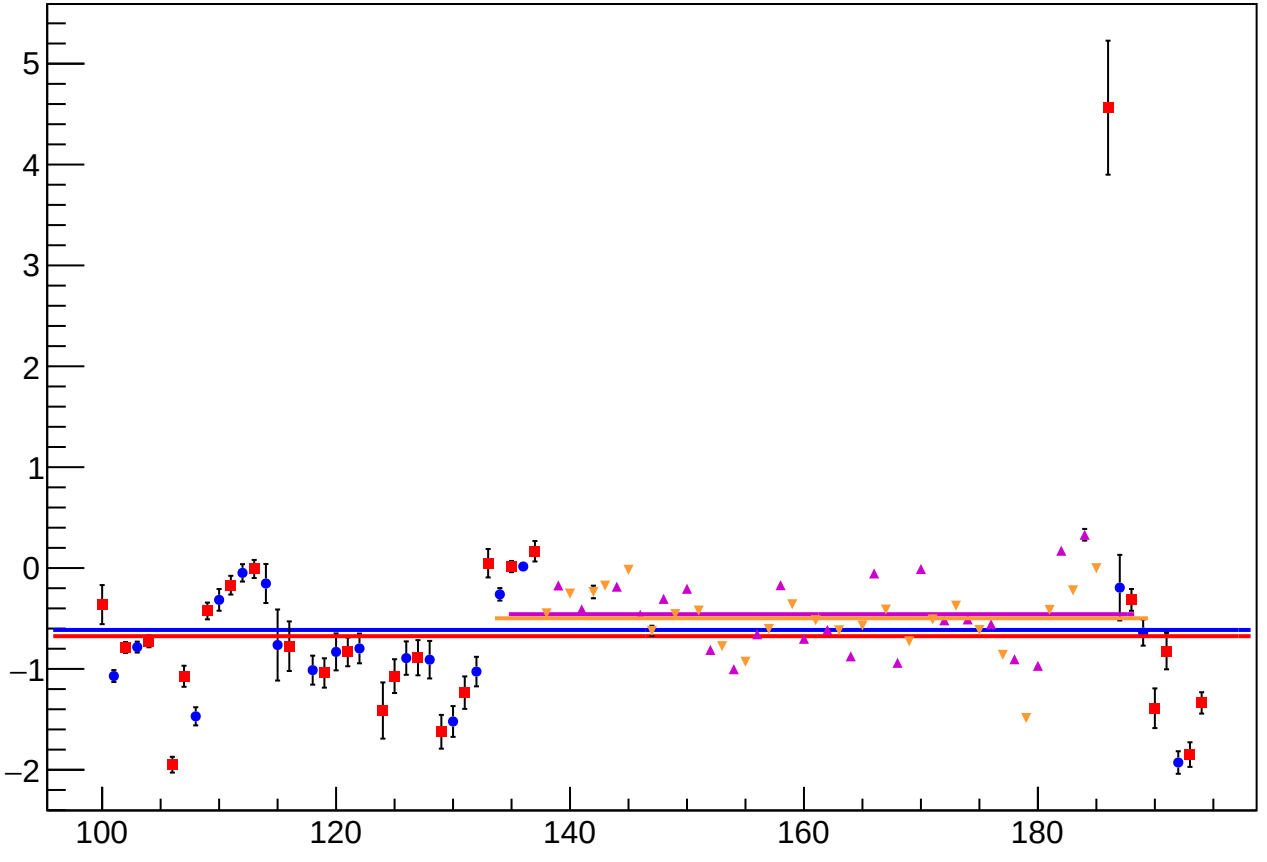
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 73.139+/-0.156 χ^2/NDF: 10084.3/43

All: 72.570+/-0.112 χ^2/NDF: 19081.1/91

- sign 71.976+/-0.160 χ^2/NDF: 8969.8/47

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: -0.675+/-0.021 χ^2/NDF: 915.8/24

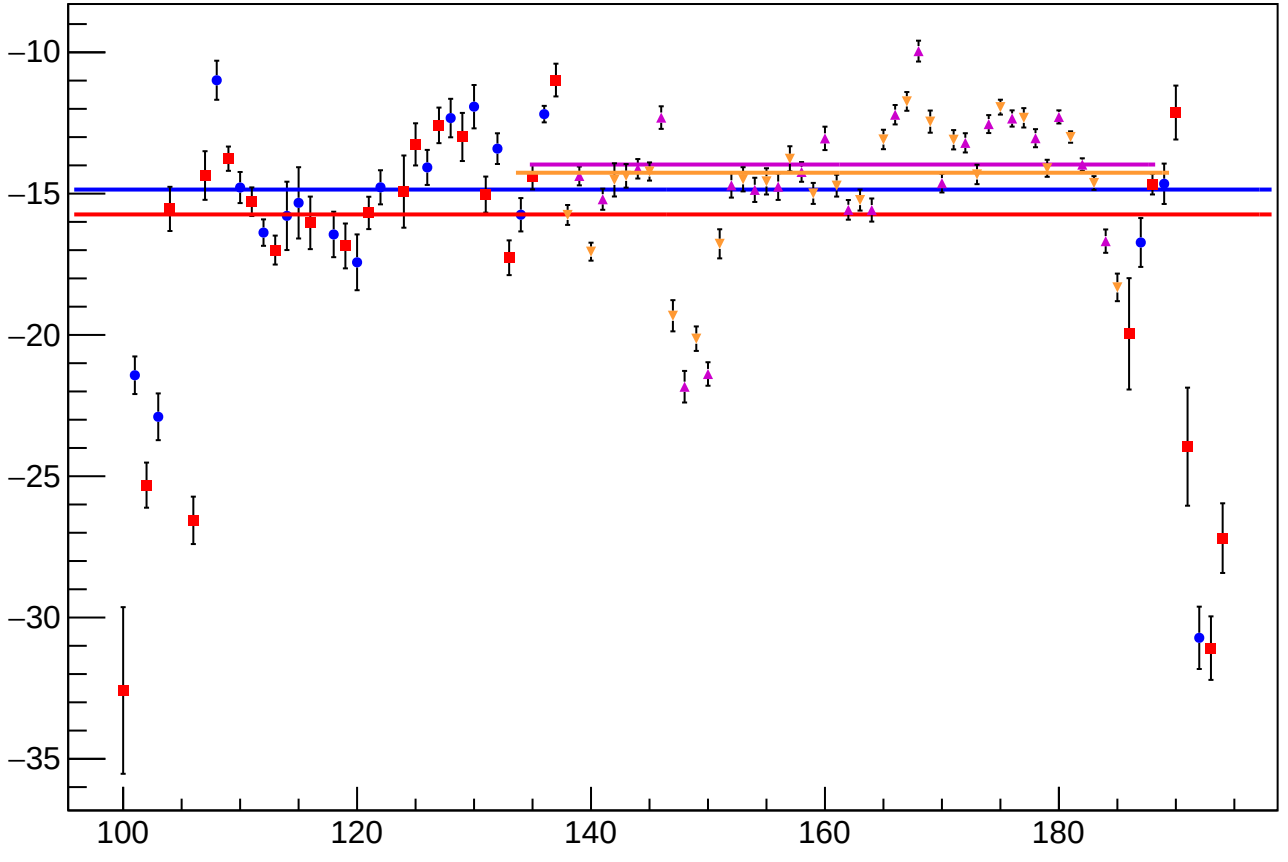
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.511+/-0.007 χ^2/NDF: 2147.0/43

All: -0.497+/-0.005 χ^2/NDF: 5270.3/91

- sign -0.484+/-0.007 χ^2/NDF: 3116.2/47

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: -15.736+/-0.135 χ^2/NDF: 822.0/24

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.375+/-0.063 χ^2/NDF: 1318.1/43

All: -14.368+/-0.045 χ^2/NDF: 3181.3/91

- sign -14.360+/-0.063 χ^2/NDF: 1863.1/47

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: -34.653+/-0.144 χ^2/NDF: 2127.5/24

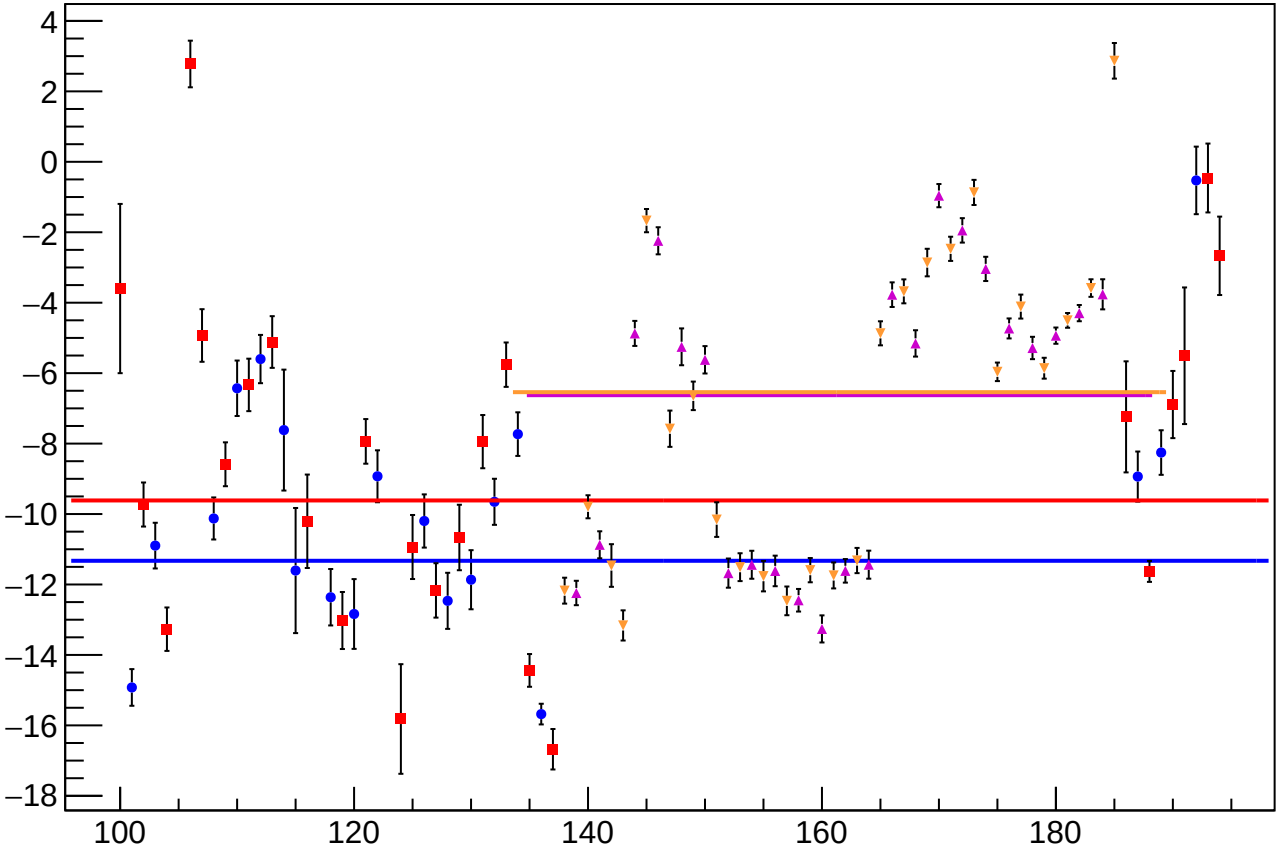
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.709+/-0.052 χ^2/NDF: 2828.5/43

All: -31.790+/-0.037 χ^2/NDF: 6607.5/91

- sign -31.876+/-0.053 χ^2/NDF: 3773.9/47

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: -9.614+/-0.139 χ^2/NDF: 1034.8/24

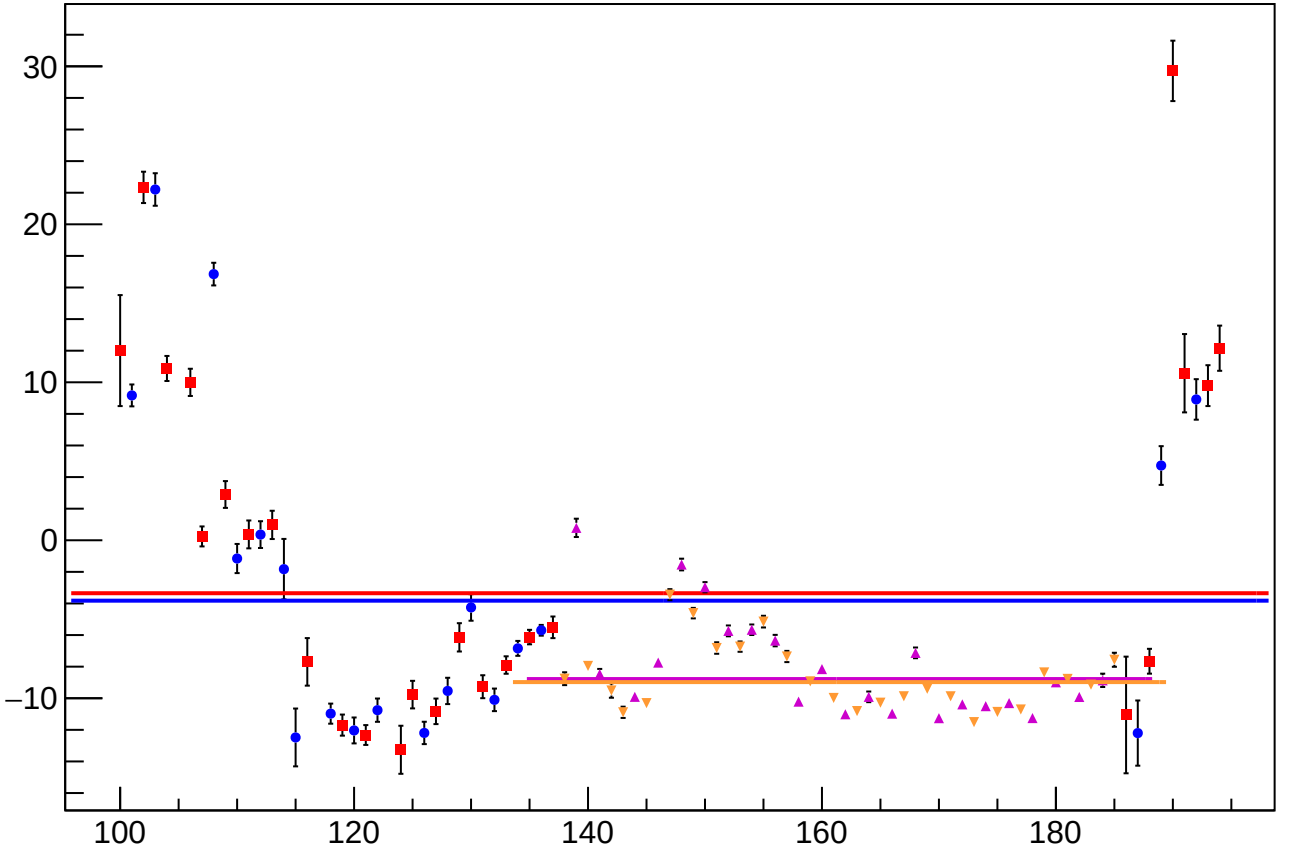
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.388+/-0.063 χ^2/NDF: 4689.4/43

All: -7.319+/-0.045 χ^2/NDF: 8999.6/91

- sign -7.248+/-0.064 χ^2/NDF: 4307.7/47

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: -3.351+/-0.168 χ^2/NDF: 2707.2/24

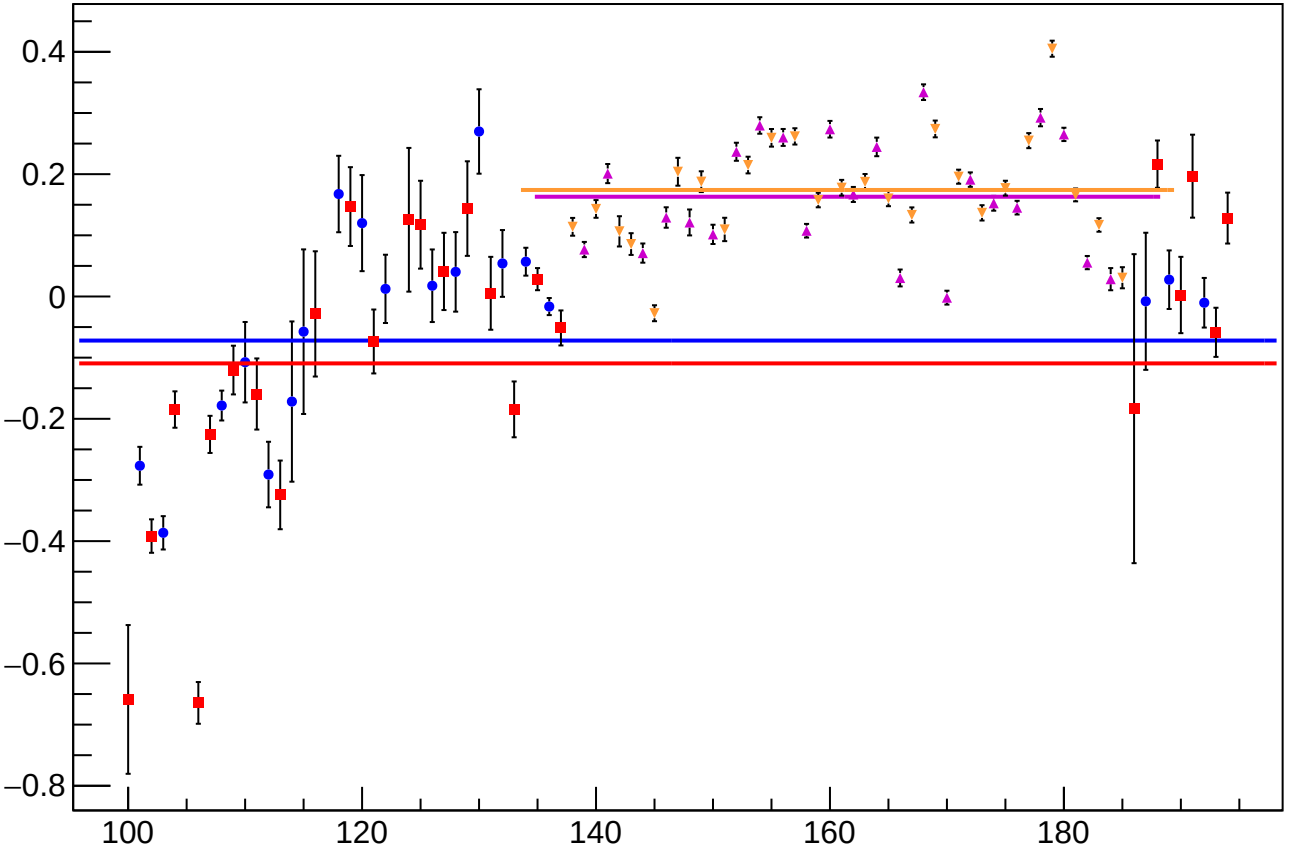
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.371+/-0.058 χ^2/NDF: 4492.8/43

All: -8.242+/-0.041 χ^2/NDF: 9812.1/91

- sign -8.107+/-0.059 χ^2/NDF: 5309.2/47

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: -0.109+/-0.008 χ^2/NDF: 672.6/24

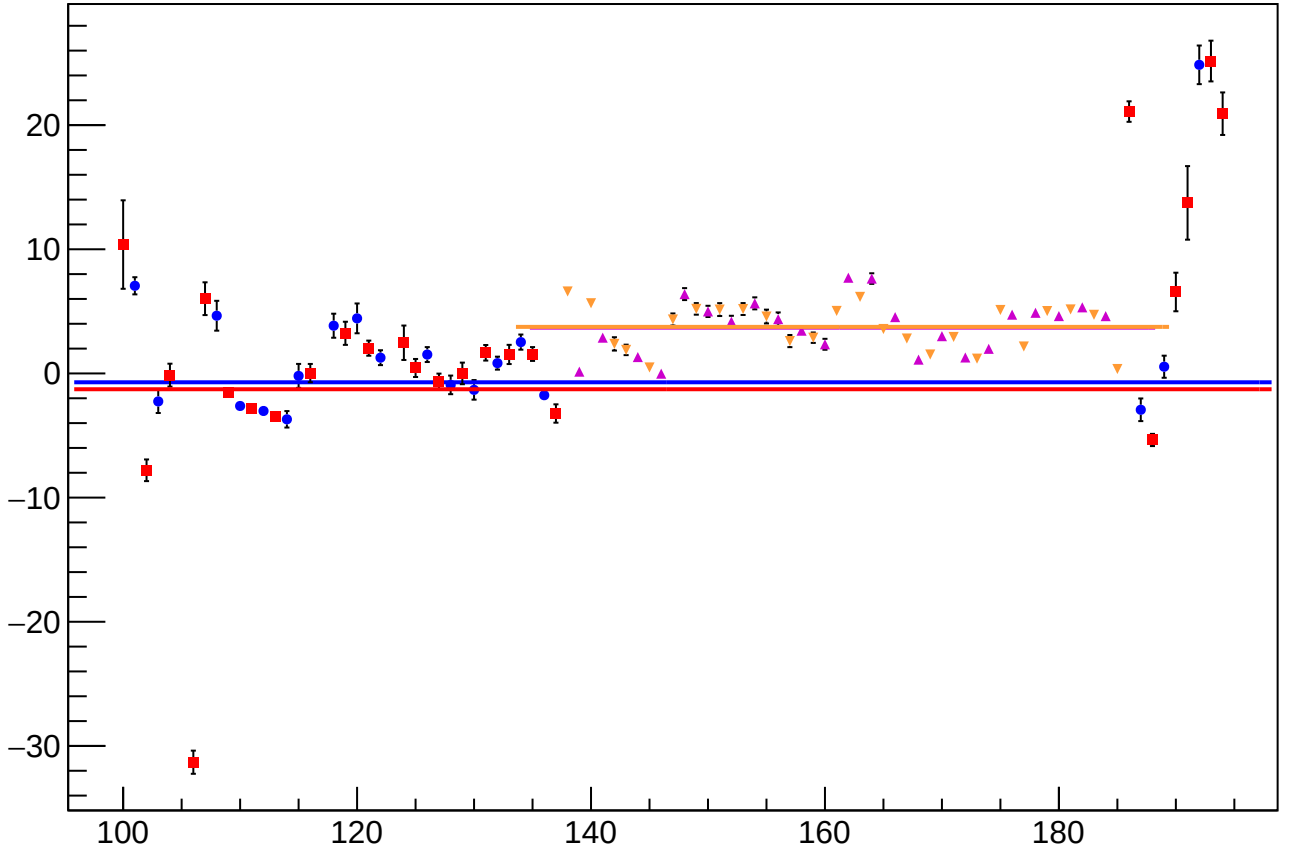
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.150+/-0.003 χ^2/NDF: 2054.8/43

All: 0.143+/-0.002 χ^2/NDF: 4905.8/91

- sign 0.136+/-0.003 χ^2/NDF: 2836.4/47

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

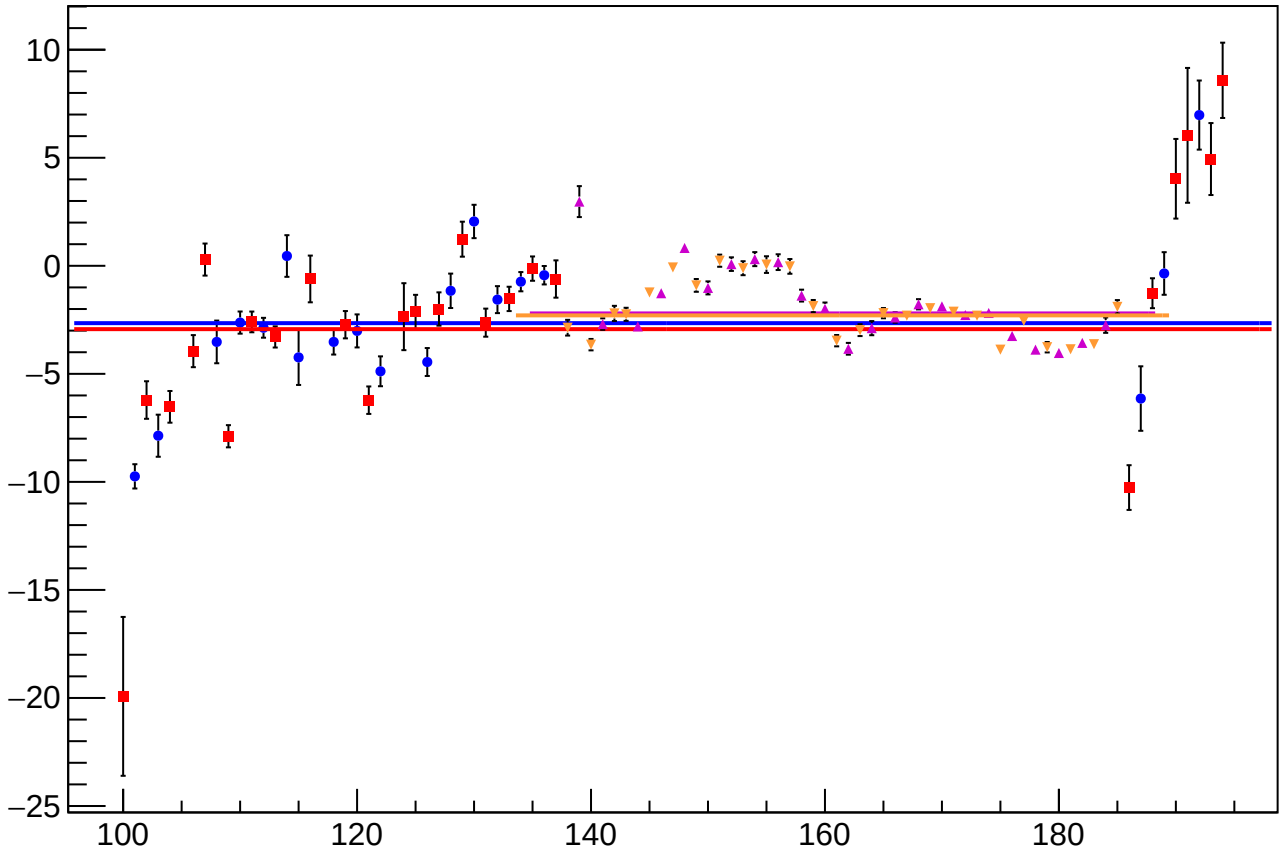
Right Out: -1.273+/-0.122 χ^2/NDF: 2637.6/24

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

\+ sign 2.955+/-0.056 χ^2/NDF: 2393.9/43

All: 2.786+/-0.040 χ^2/NDF: 7305.9/91

\- sign 2.616+/-0.057 χ^2/NDF: 4893.9/47



Right In: -2.654+/-0.153 χ^2/NDF: 357.8/18

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.932+/-0.150 χ^2/NDF: 417.9/24

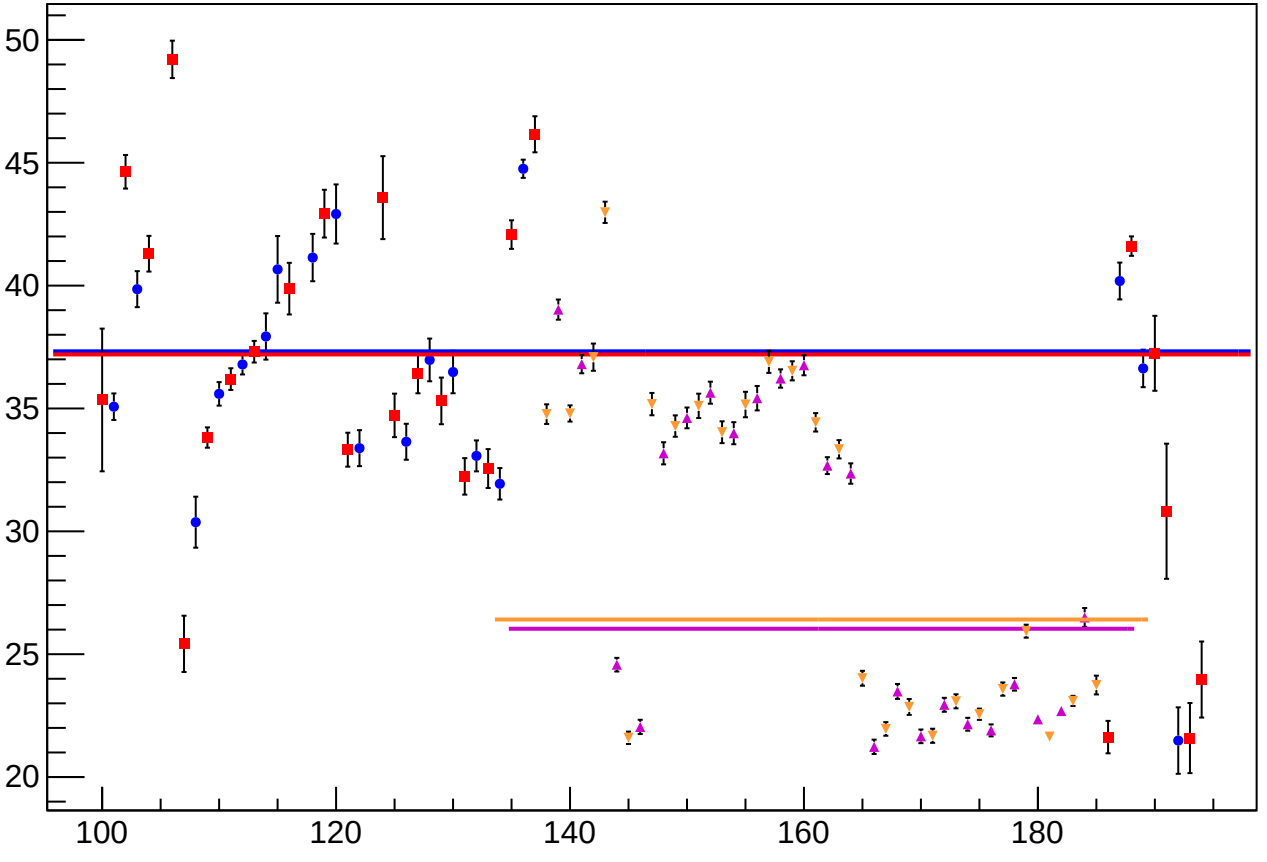
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.329+/-0.047 χ^2/NDF: 994.3/43

All: -2.304+/-0.034 χ^2/NDF: 2158.5/91

- sign -2.279+/-0.048 χ^2/NDF: 1163.7/47

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: 37.198+/-0.142 χ^2/NDF: 1854.8/24

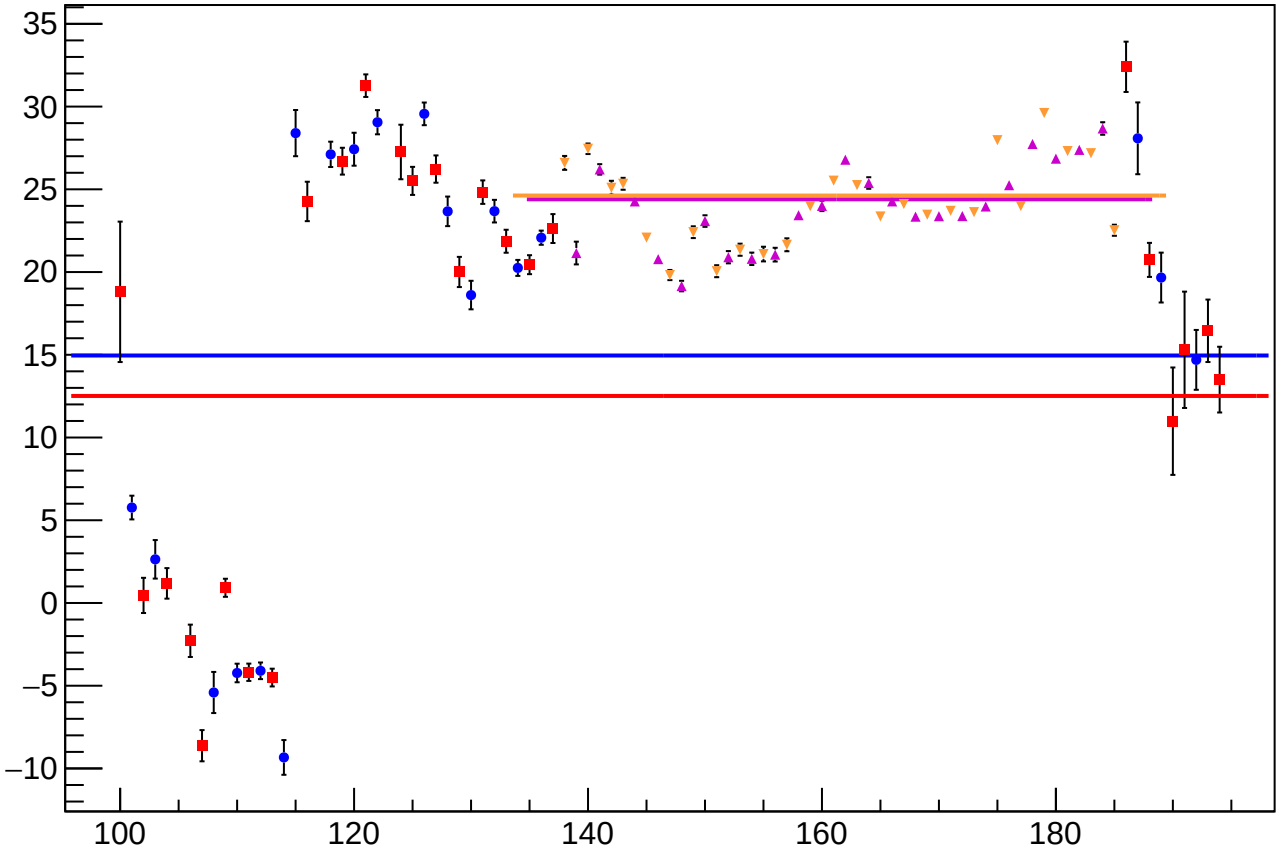
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.964+/-0.058 χ^2/NDF: 14451.5/43

All: 27.938+/-0.041 χ^2/NDF: 29280.8/91

- sign 27.912+/-0.058 χ^2/NDF: 14828.8/47

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: 12.512+/-0.171 χ^2/NDF: 6356.0/24

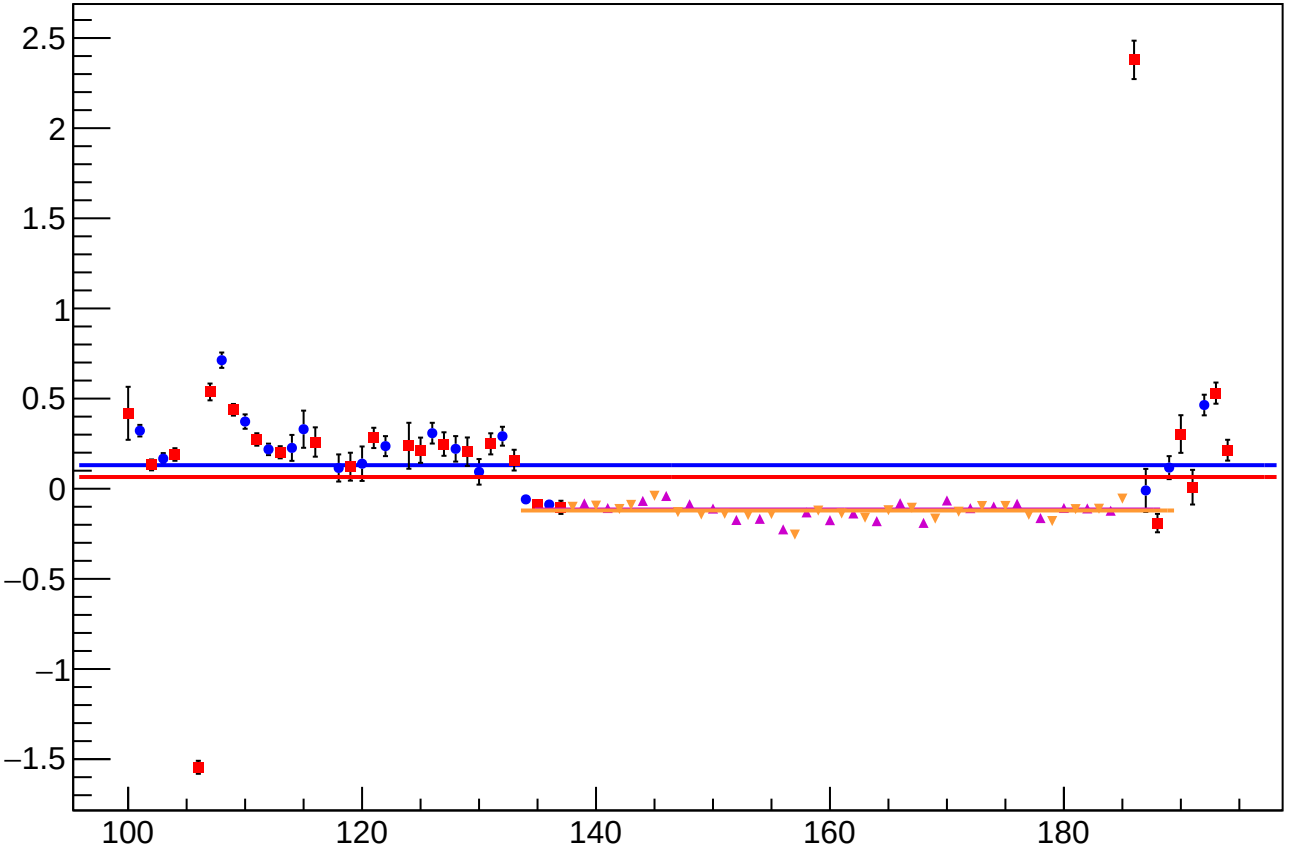
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

\+ sign 23.717+/-0.053 χ^2/NDF: 10566.5/43

All: 23.480+/-0.038 χ^2/NDF: 23021.0/91

\- sign 23.233+/-0.054 χ^2/NDF: 12413.0/47

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: 0.065+/-0.009 χ^2/NDF: 2995.3/24

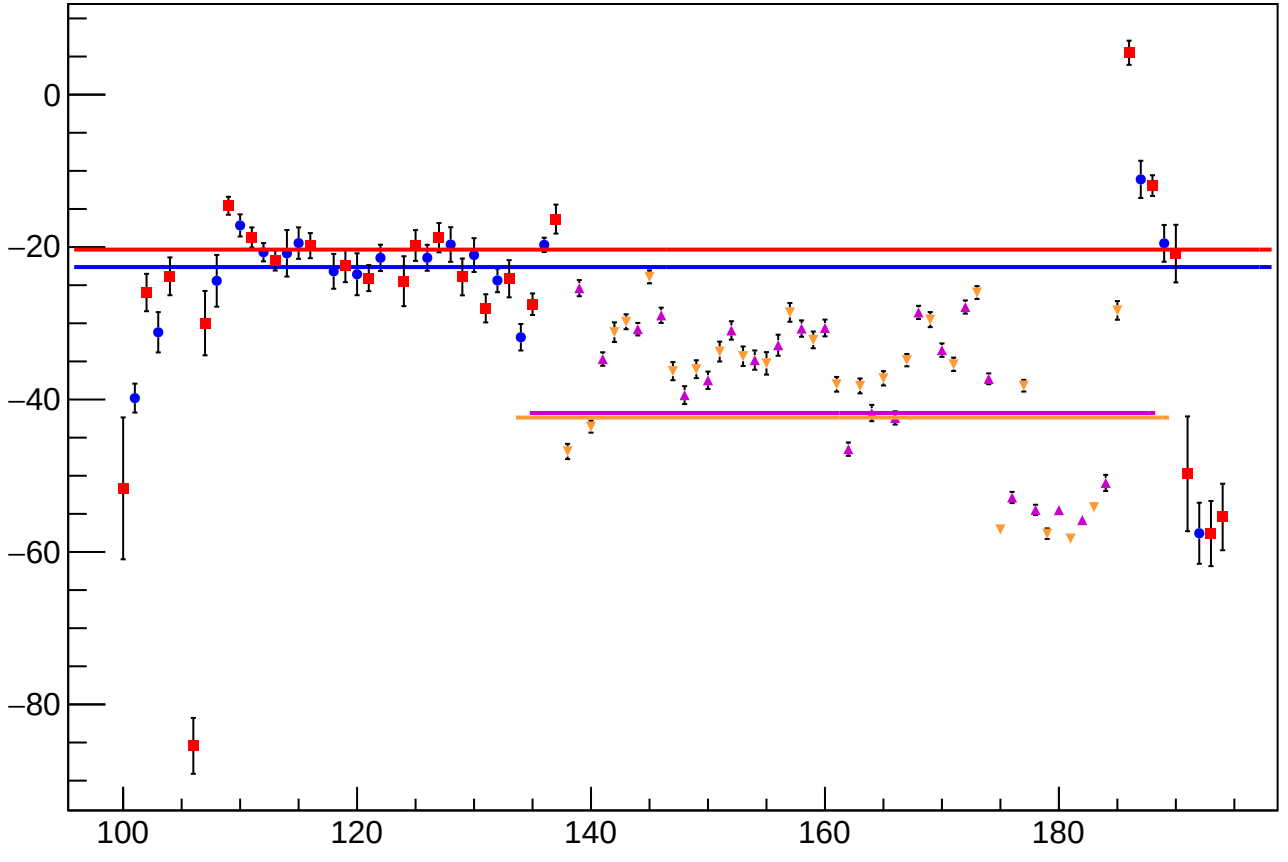
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

\+ sign -0.104+/-0.002 χ^2/NDF: 1521.3/43

All: -0.103+/-0.002 χ^2/NDF: 5162.2/91

\- sign -0.103+/-0.002 χ^2/NDF: 3640.9/47

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: -20.330+/-0.395 χ^2/NDF: 885.3/24

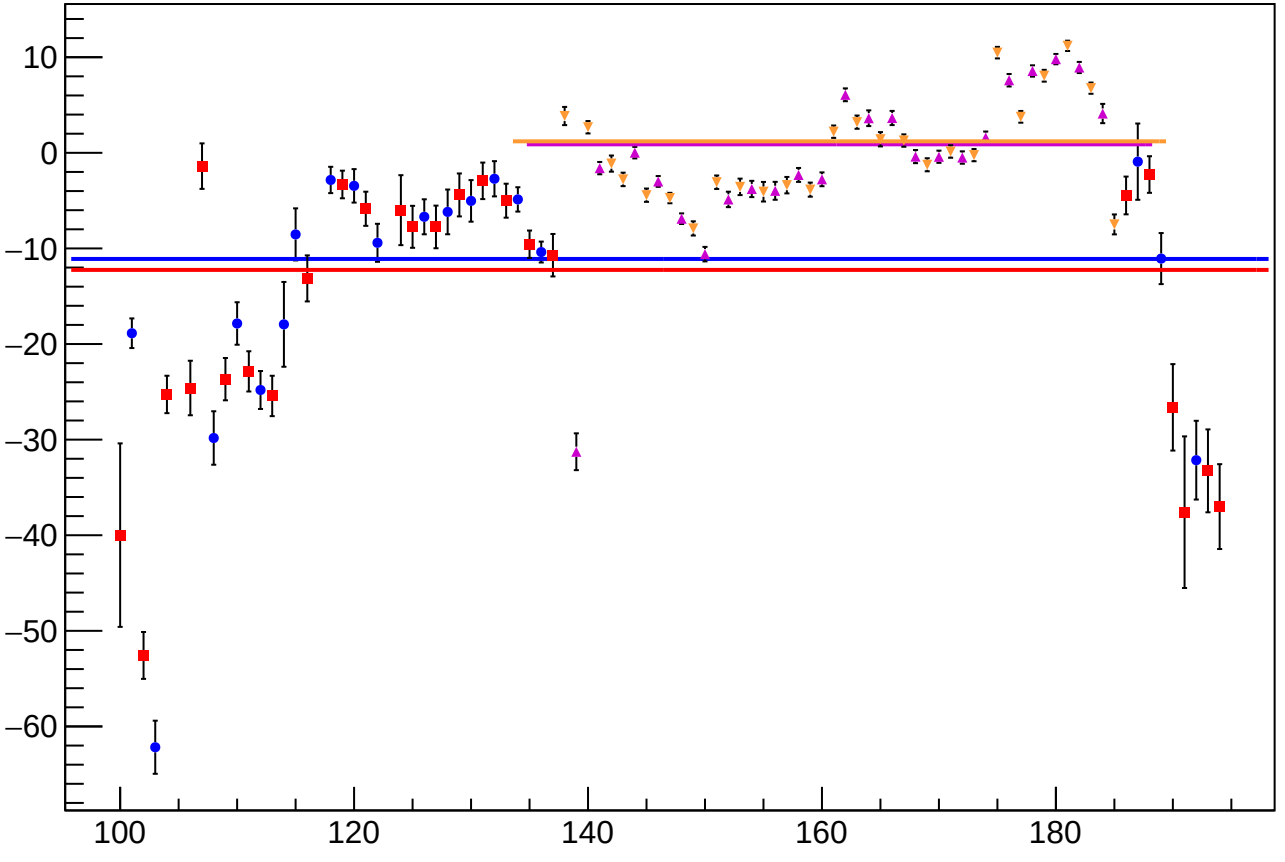
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.426+/-0.162 χ^2/NDF: 6622.3/43

All: -38.737+/-0.115 χ^2/NDF: 13435.7/91

- sign -38.018+/-0.165 χ^2/NDF: 6776.2/47

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: -12.247+/-0.446 χ^2/NDF: 690.3/24

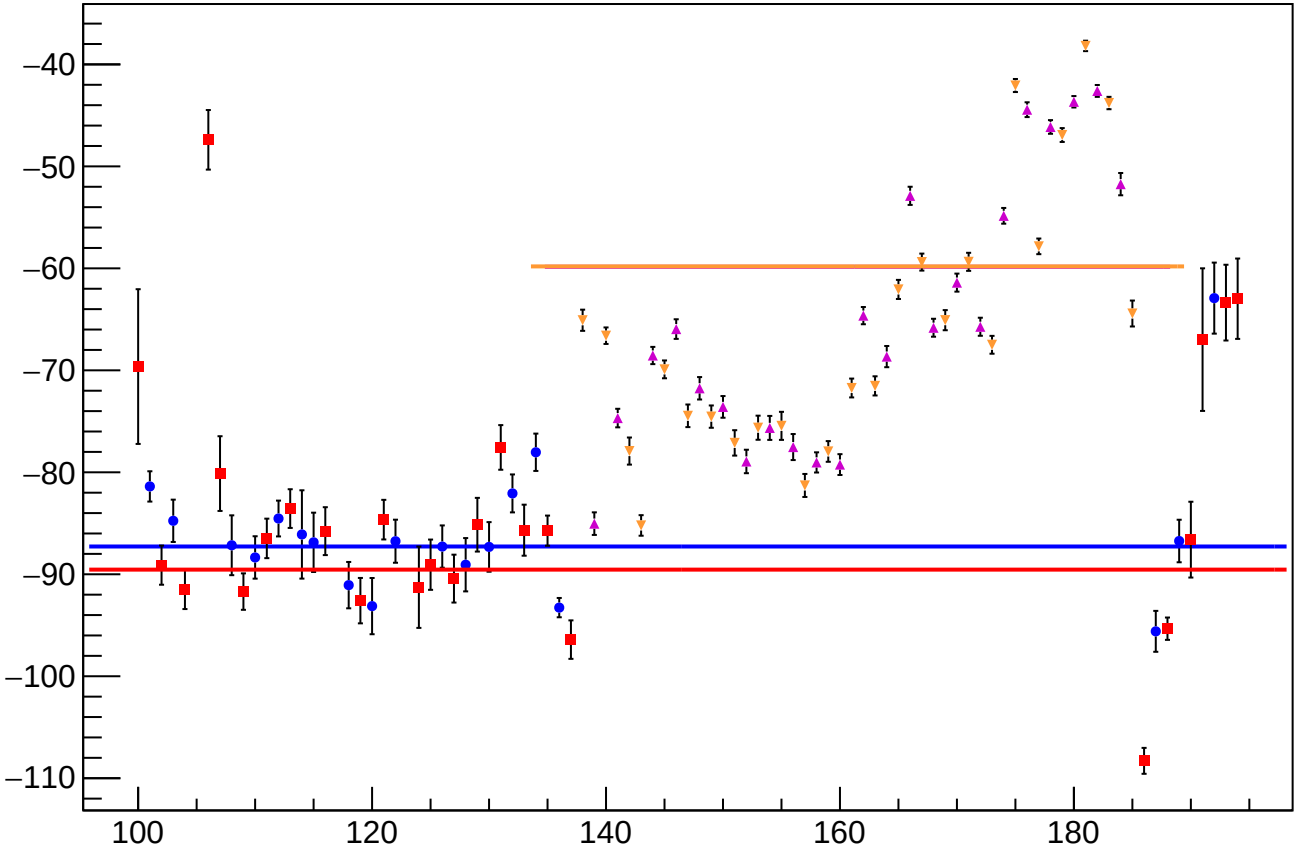
Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign 0.106+/-0.132 χ^2/NDF: 2790.6/43

All: -0.106+/-0.095 χ^2/NDF: 6035.4/91

- sign -0.332+/-0.136 χ^2/NDF: 3239.4/47

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: -89.544+/-0.423 χ^2/NDF: 654.6/24

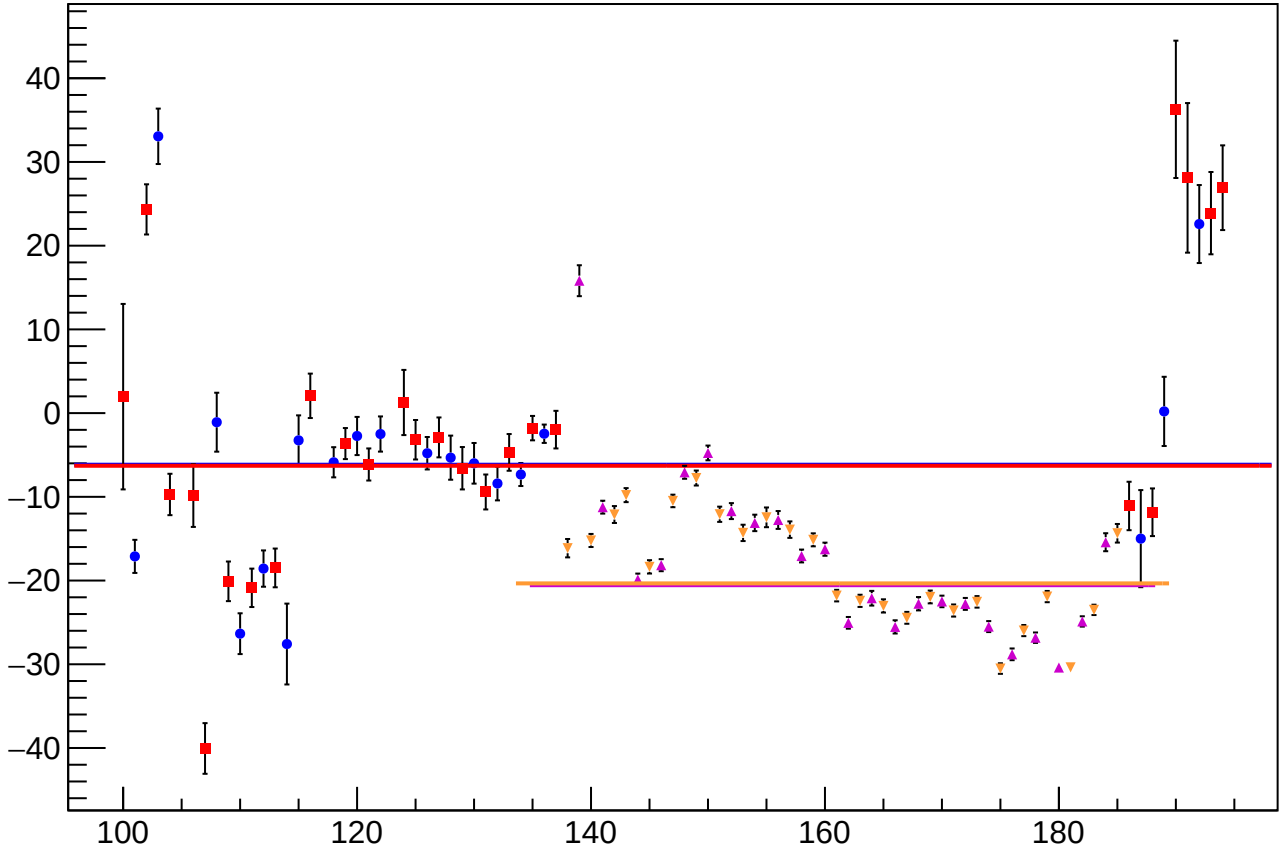
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.398+/-0.163 χ^2/NDF: 10019.9/43

All: -63.912+/-0.117 χ^2/NDF: 20394.9/91

- sign -64.445+/-0.166 χ^2/NDF: 10354.8/47

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: -6.289+/-0.516 χ^2/NDF: 499.0/24

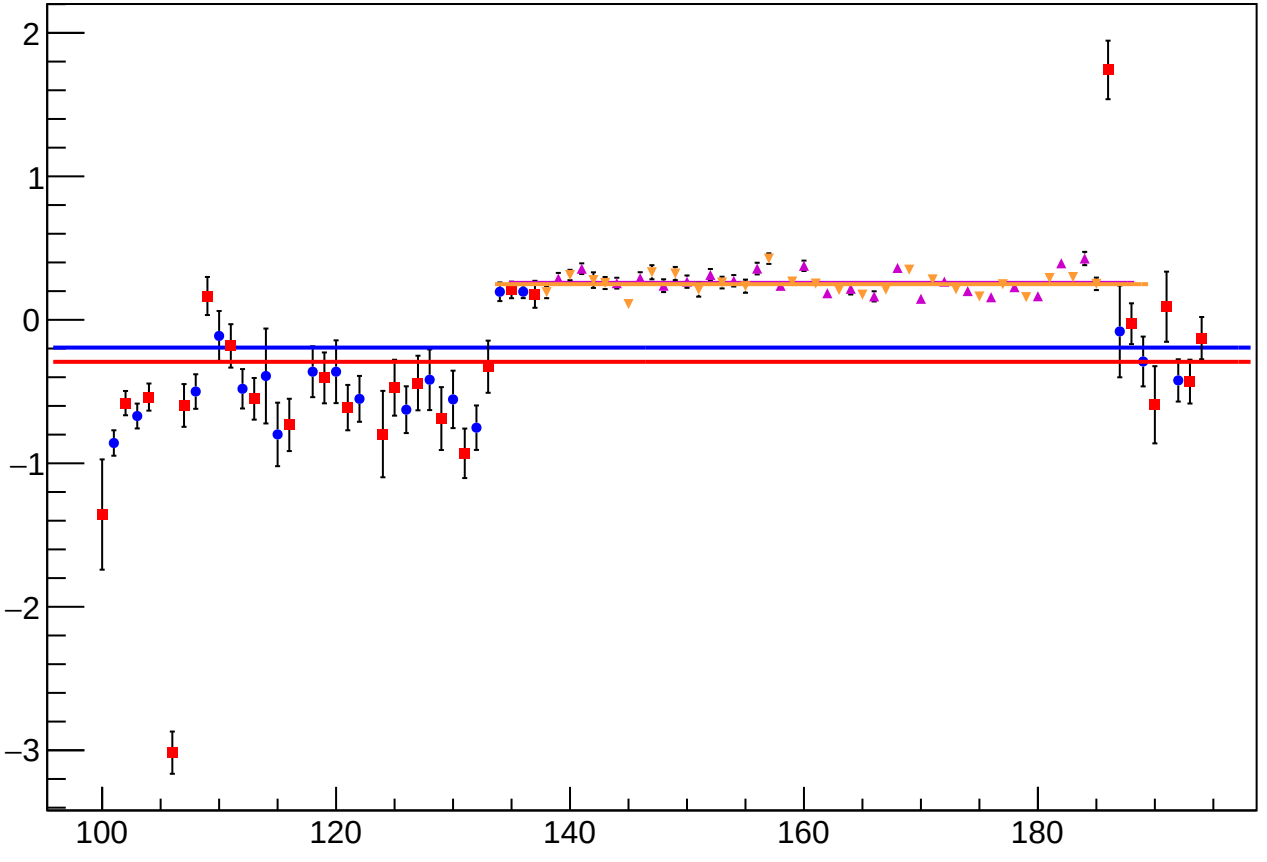
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -19.099+/-0.148 χ^2/NDF: 2793.7/43

All: -19.201+/-0.106 χ^2/NDF: 6185.6/91

- sign -19.309+/-0.152 χ^2/NDF: 3391.0/47

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: -0.293+/-0.027 χ^2/NDF: 629.0/24

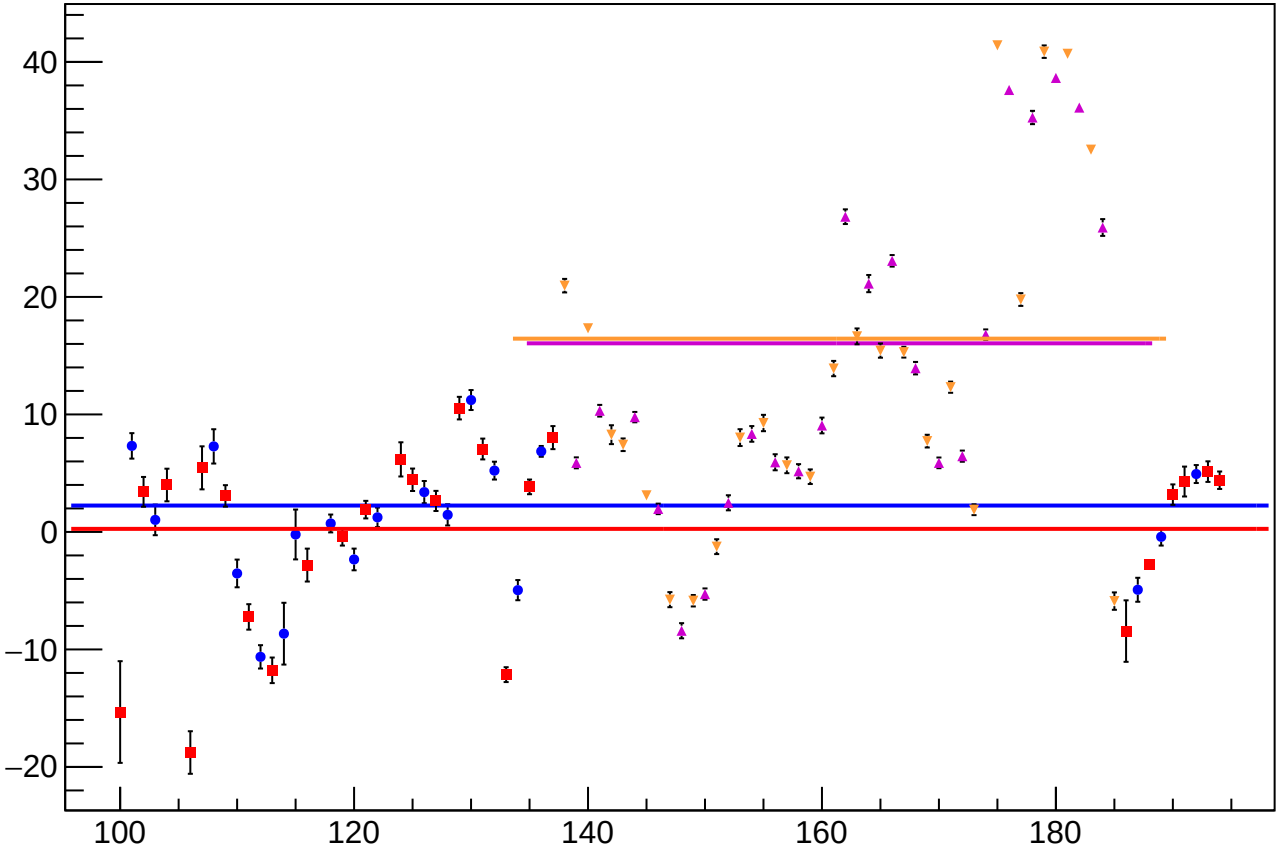
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.219+/-0.007 χ^2/NDF: 614.1/43

All: 0.221+/-0.005 χ^2/NDF: 1761.8/91

- sign 0.222+/-0.007 χ^2/NDF: 1147.6/47

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: 0.261+/-0.175 χ^2/NDF: 1189.3/24

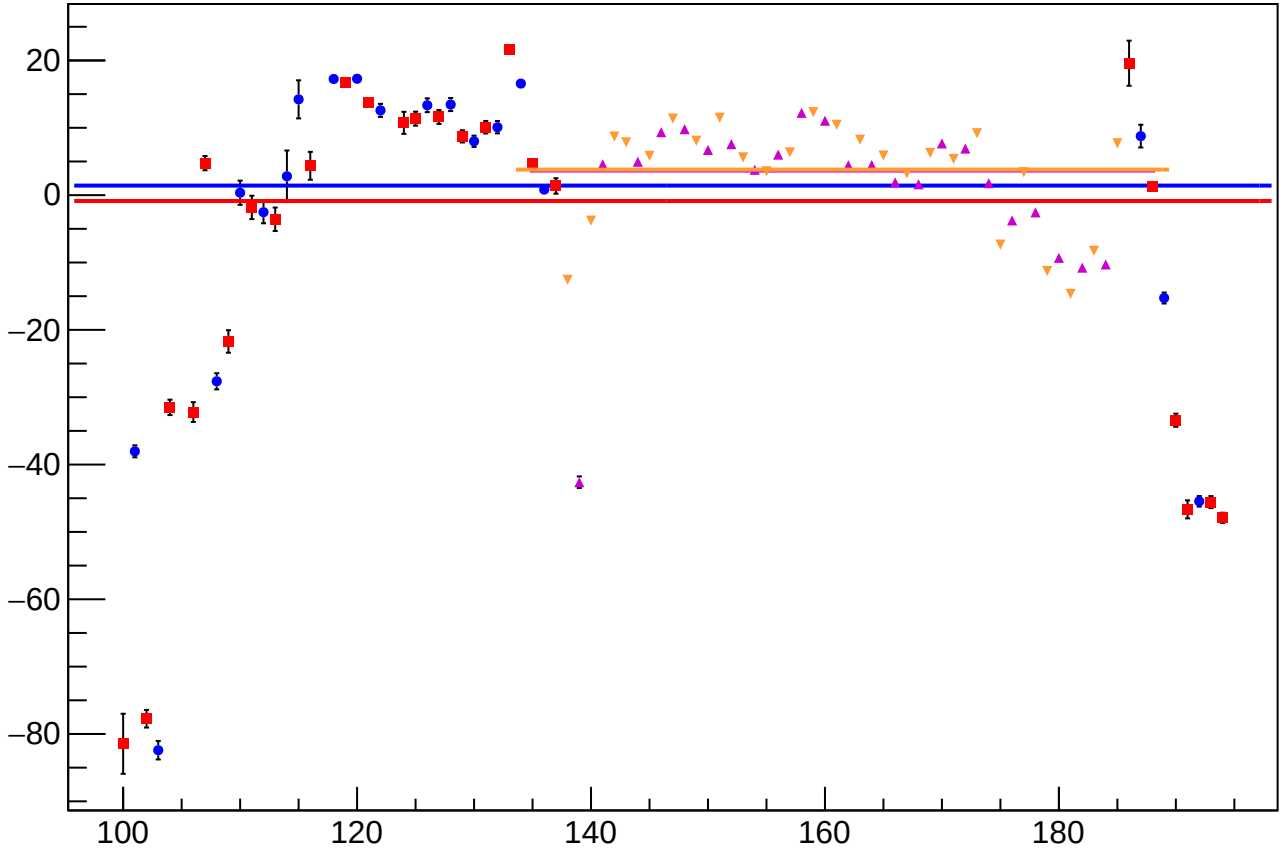
Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 13.483+/-0.093 χ^2/NDF: 25945.1/43

All: 12.608+/-0.065 χ^2/NDF: 50837.9/91

- sign 11.753+/-0.091 χ^2/NDF: 24716.1/47

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: -0.867+/-0.180 χ^2/NDF: 18688.0/24

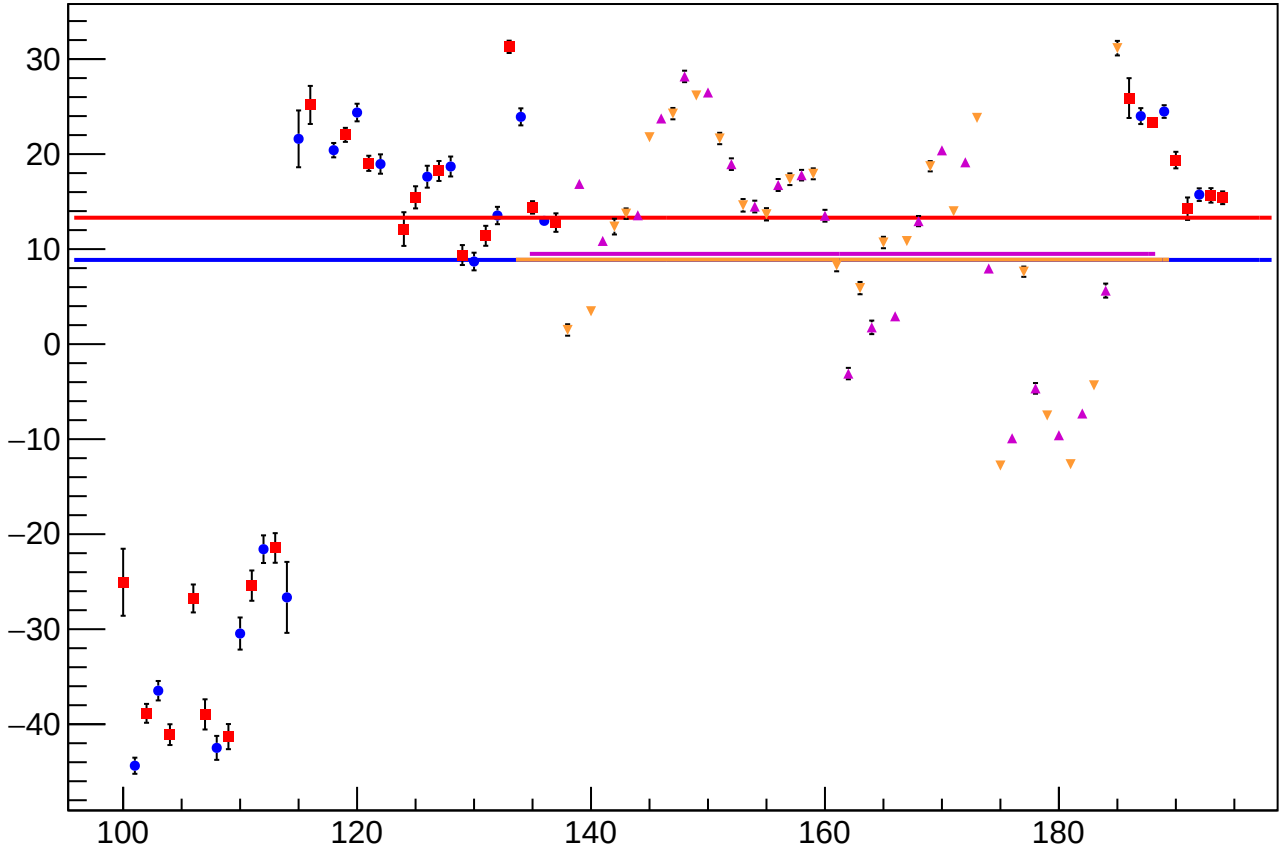
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 3.449+/-0.074 χ^2/NDF: 22597.4/43

All: 3.157+/-0.053 χ^2/NDF: 50148.2/91

- sign 2.855+/-0.075 χ^2/NDF: 27519.2/47

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

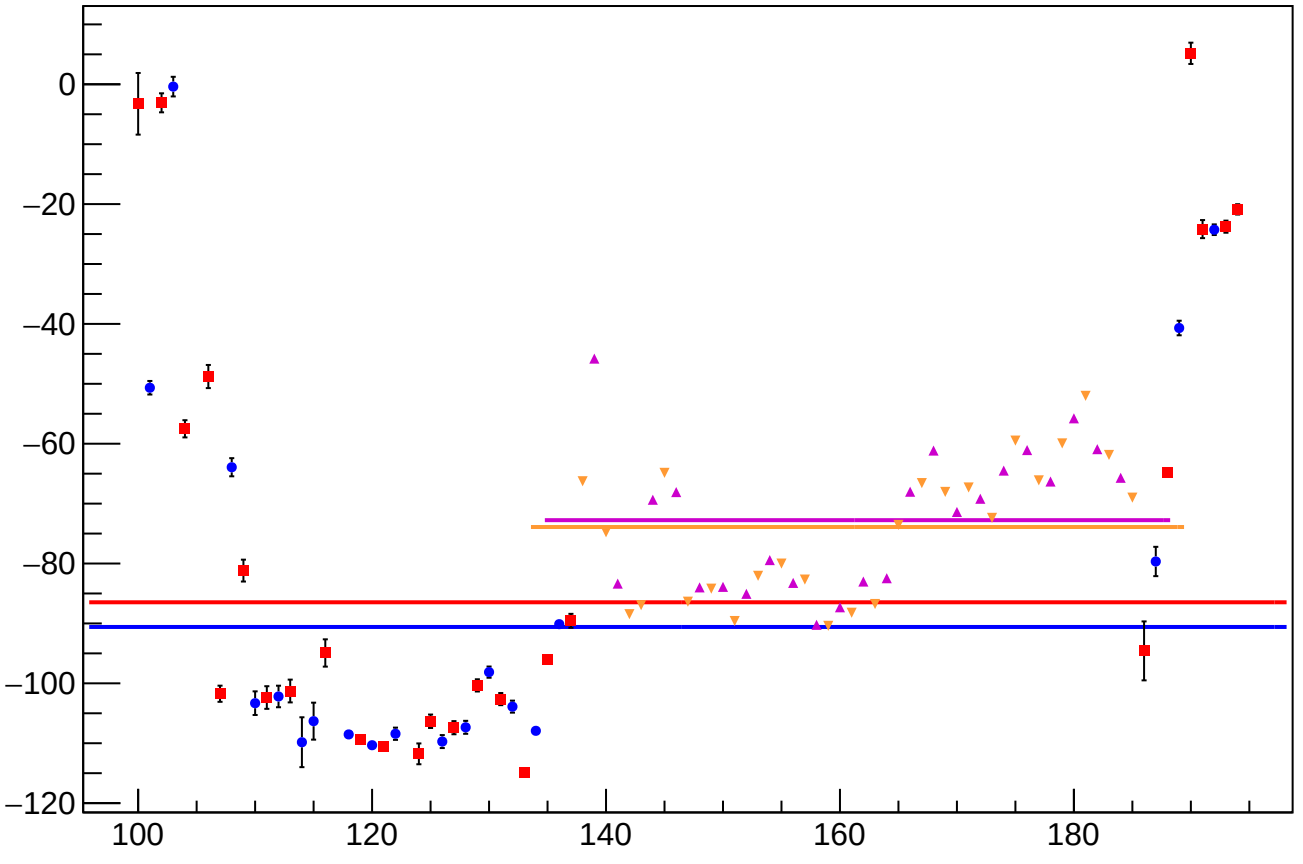
Right Out: 13.306+/-0.171 χ^2/NDF: 12198.1/24

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 8.886+/-0.093 χ^2/NDF: 26200.0/43

All: 9.747+/-0.065 χ^2/NDF: 51965.8/91

- sign 10.567+/-0.090 χ^2/NDF: 25597.0/47



Right In: -90.591+/-0.228 χ^2/NDF: 15262.3/18

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -86.472+/-0.214 χ^2/NDF: 25227.8/24

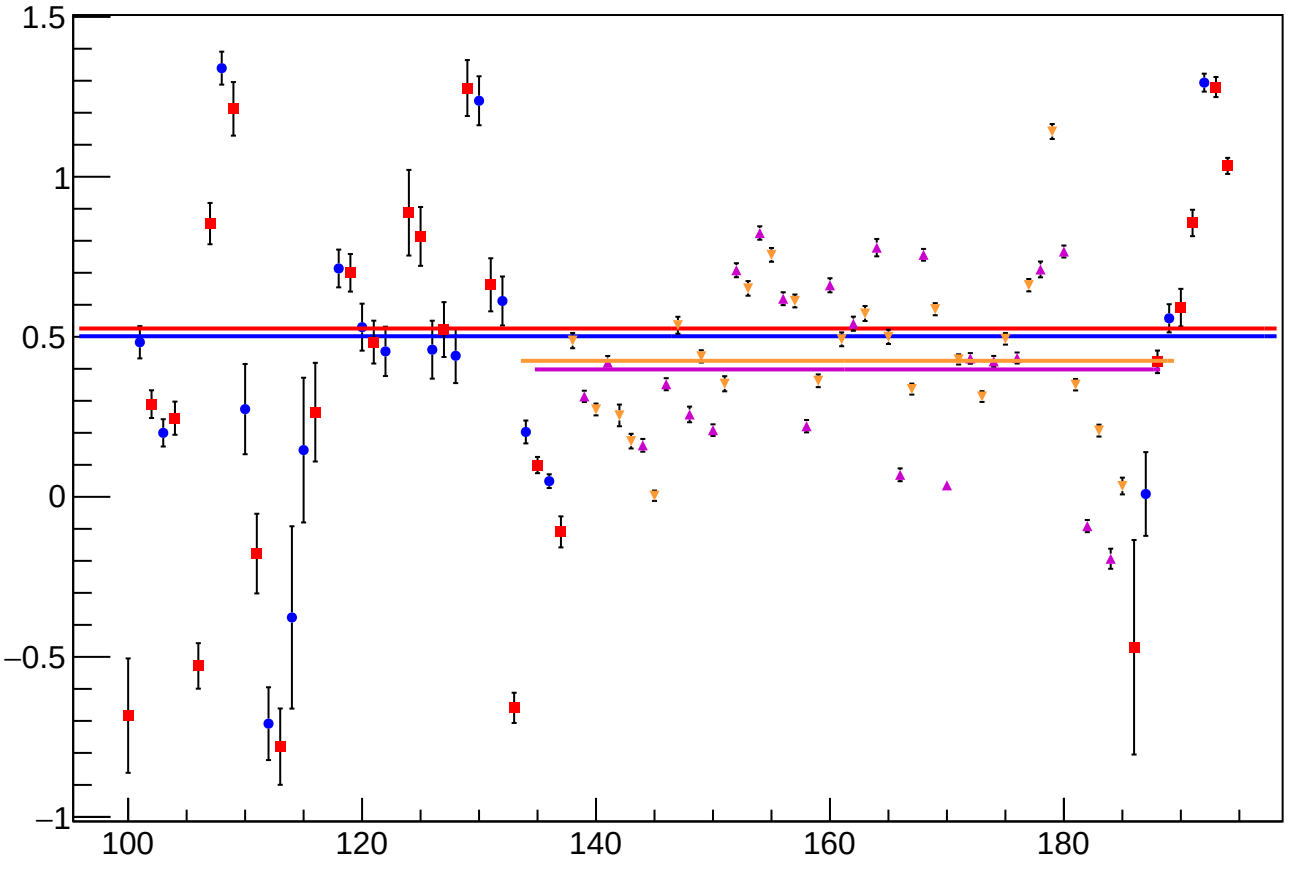
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

\+ sign -76.175+/-0.084 χ^2/NDF: 35454.4/43

All: -75.579+/-0.060 χ^2/NDF: 76857.5/91

\- sign -74.961+/-0.086 χ^2/NDF: 41300.7/47

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: 0.526+/-0.010 χ^2/NDF: 2833.1/24

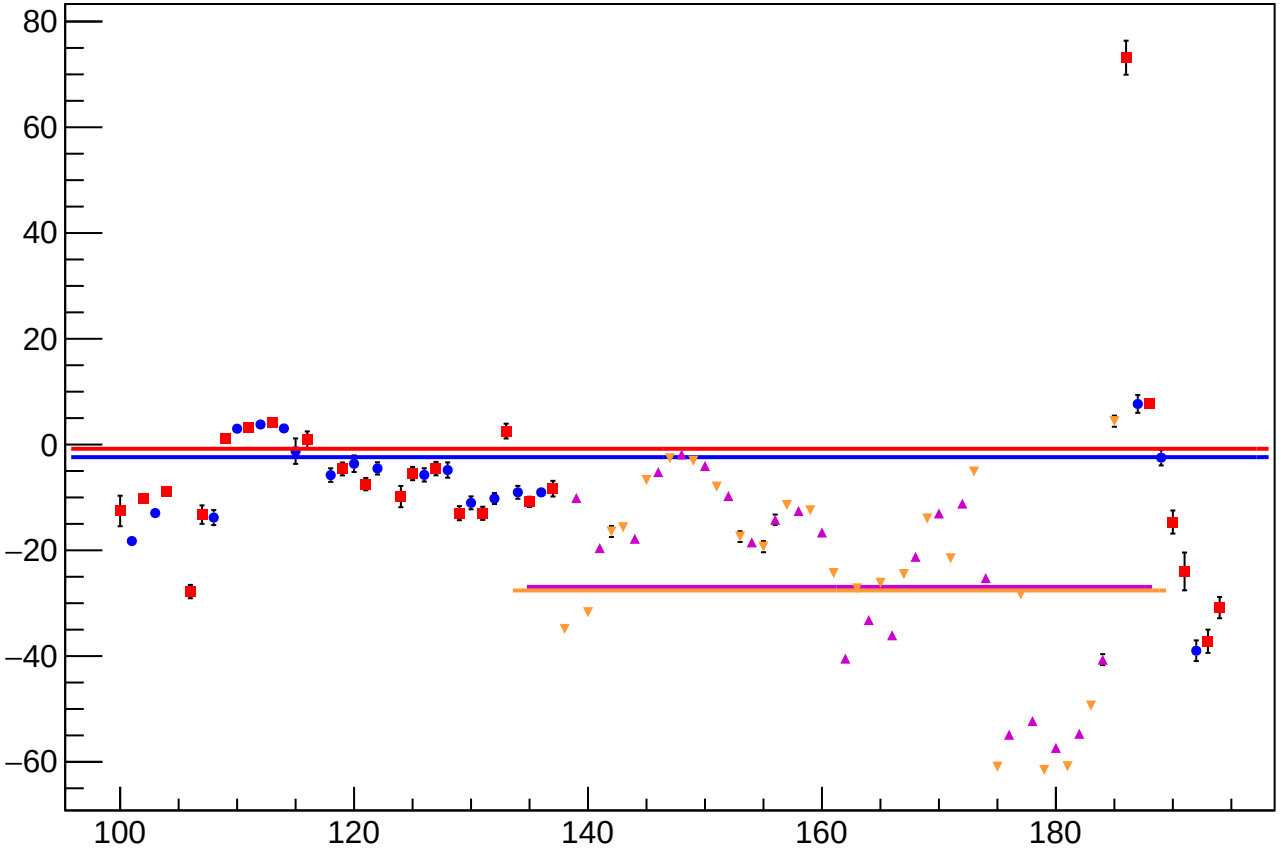
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.433+/-0.004 χ^2/NDF: 4951.0/43

All: 0.425+/-0.003 χ^2/NDF: 12199.8/91

- sign 0.416+/-0.004 χ^2/NDF: 7238.2/47

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

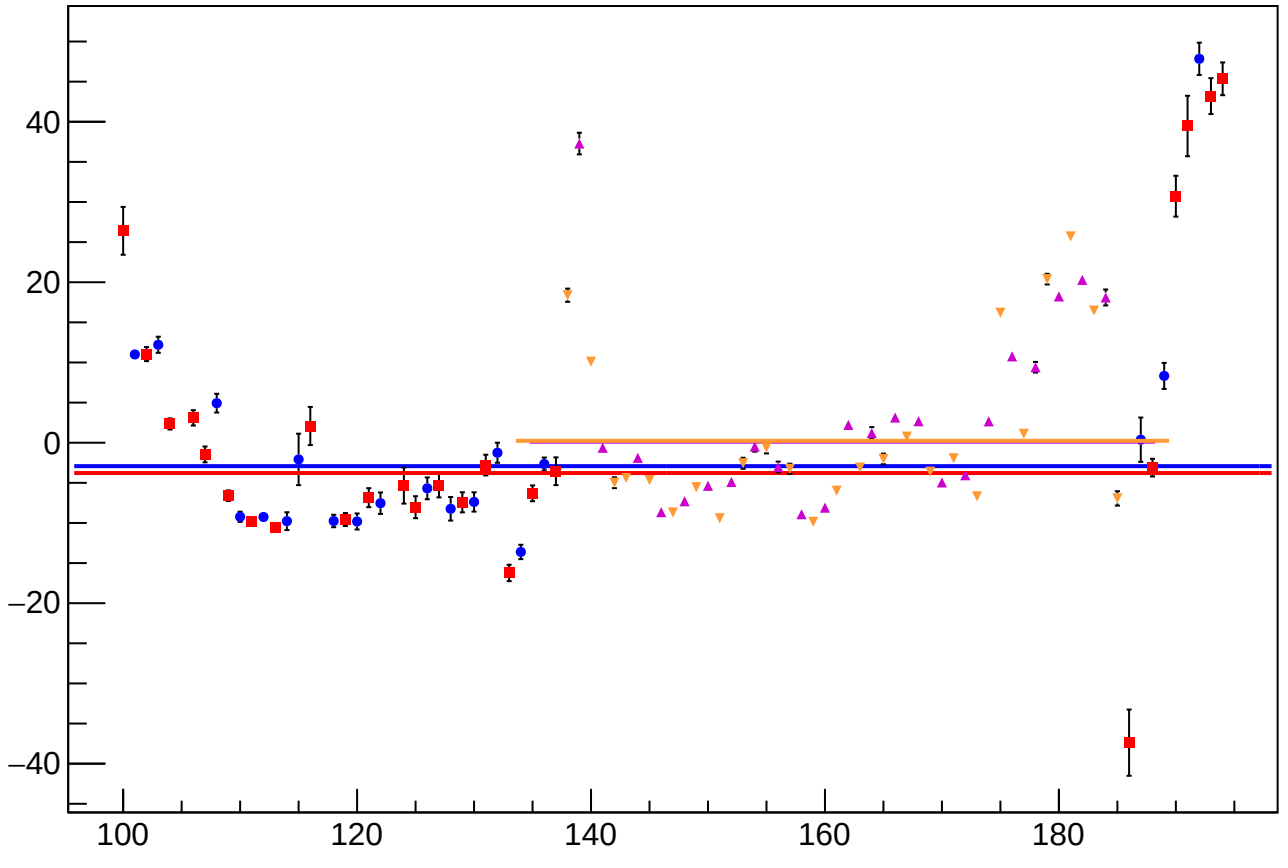
Right Out: -0.795+/-0.164 χ^2/NDF: 2696.5/24

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.264+/-0.115 χ^2/NDF: 32935.7/43

All: -16.638+/-0.080 χ^2/NDF: 65396.1/91

- sign -15.124+/-0.111 χ^2/NDF: 32071.4/47



Right In: -2.921+/-0.221 χ^2/NDF: 2128.0/18

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

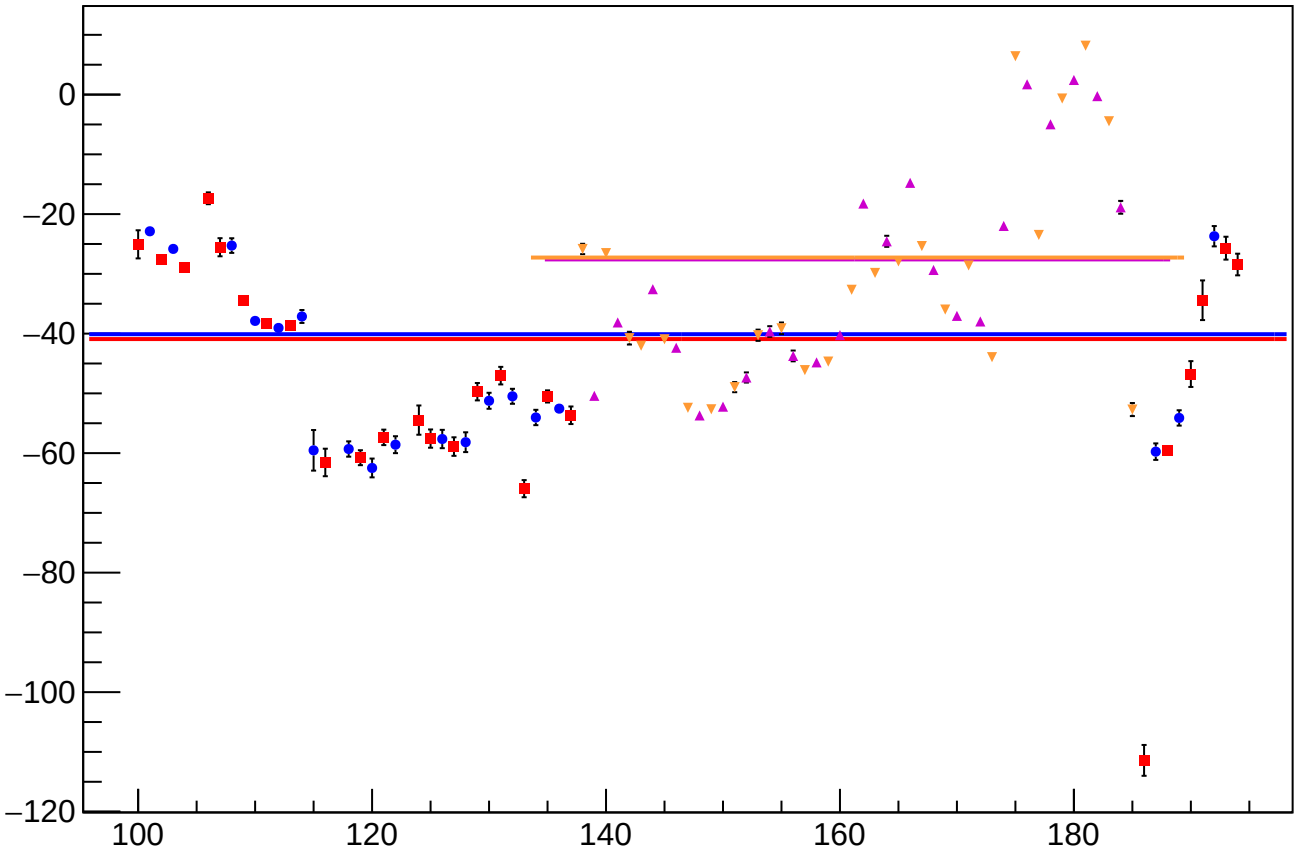
Right Out: -3.778+/-0.211 χ^2/NDF: 2422.9/24

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign -0.390+/-0.099 χ^2/NDF: 10326.7/43

All: -0.570+/-0.070 χ^2/NDF: 18858.9/91

- sign -0.757+/-0.101 χ^2/NDF: 8525.4/47



Right In: -40.099+/-0.217 χ^2/NDF: 3381.6/18

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.912+/-0.197 χ^2/NDF: 4654.6/24

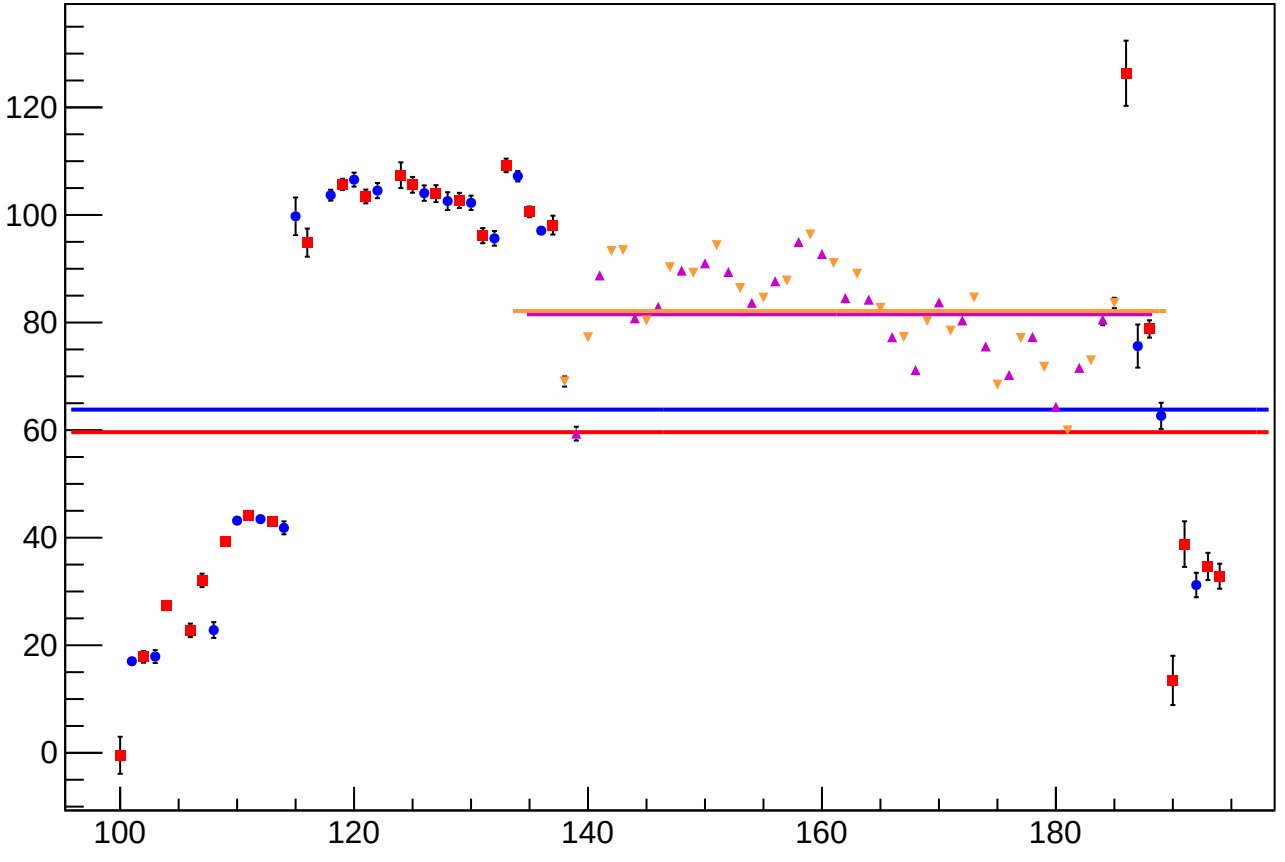
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.178+/-0.120 χ^2/NDF: 24329.0/43

All: -31.796+/-0.084 χ^2/NDF: 47606.6/91

- sign -32.398+/-0.118 χ^2/NDF: 23225.3/47

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: 59.619+/-0.242 χ^2/NDF: 18049.6/24

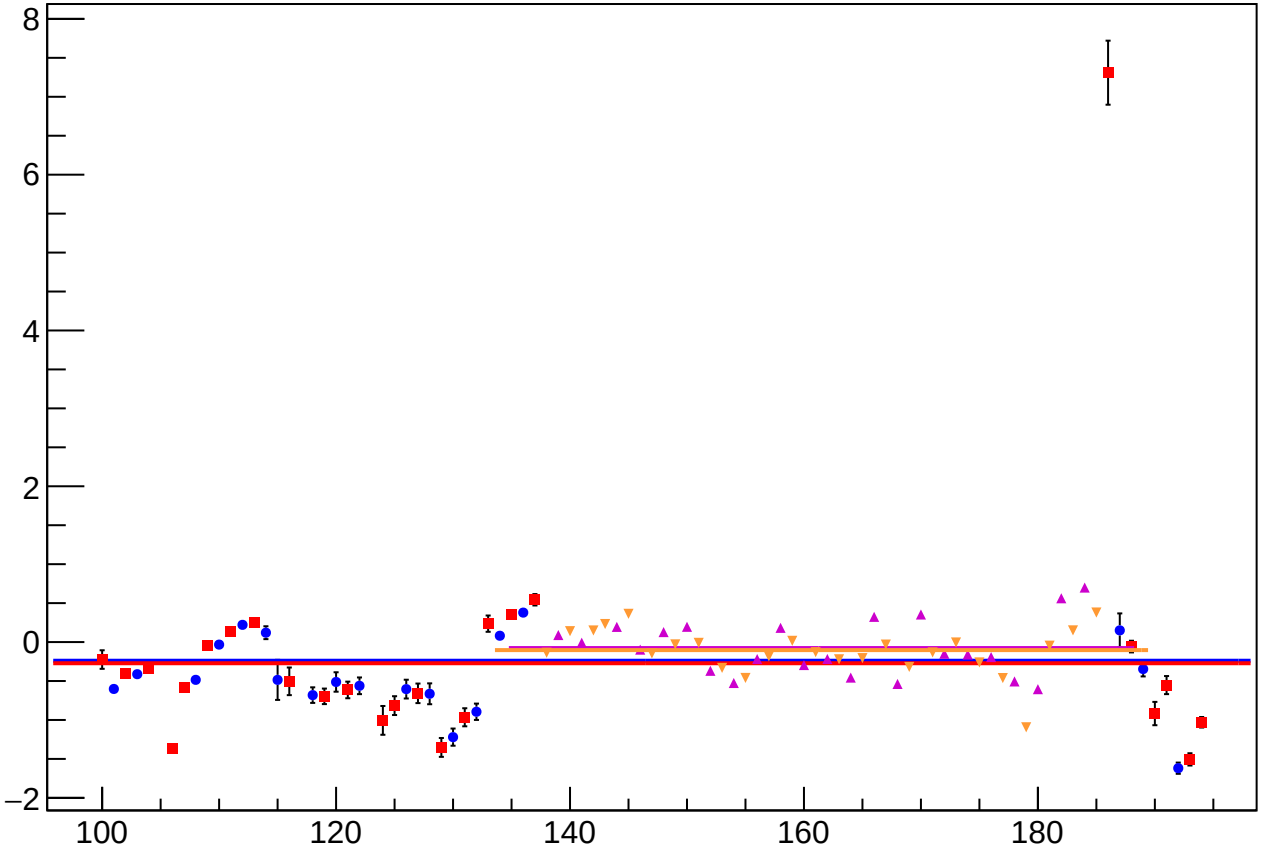
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.572+/-0.112 χ^2/NDF: 28381.8/43

All: 77.653+/-0.080 χ^2/NDF: 56984.8/91

- sign 76.704+/-0.114 χ^2/NDF: 28466.2/47

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

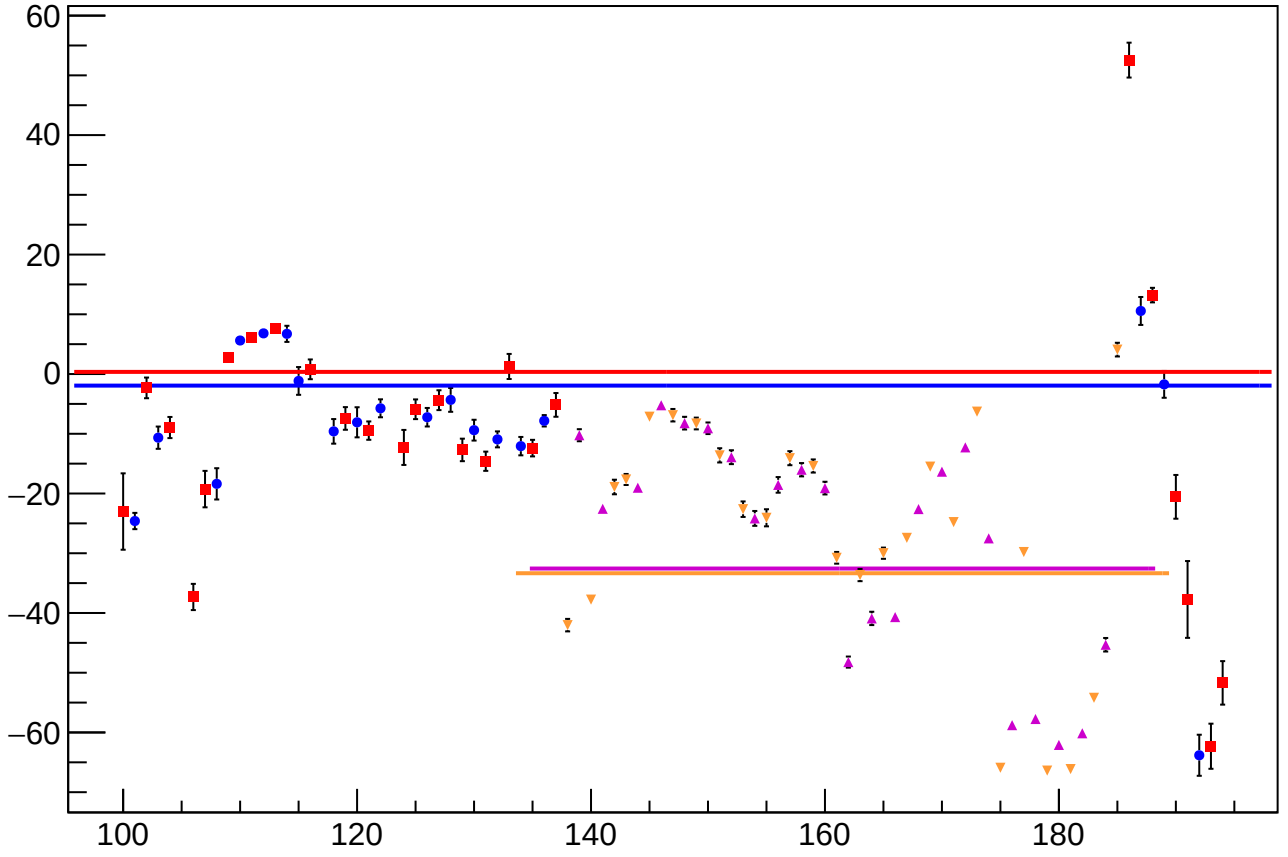
Right Out: -0.272+/-0.012 χ^2/NDF: 2130.6/24

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.124+/-0.005 χ^2/NDF: 3803.7/43

All: -0.118+/-0.004 χ^2/NDF: 9465.3/91

- sign -0.112+/-0.005 χ^2/NDF: 5658.7/47



Right In: -1.937+/-0.301 χ^2/NDF: 1253.7/18

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: 0.359+/-0.271 χ^2/NDF: 1910.9/24

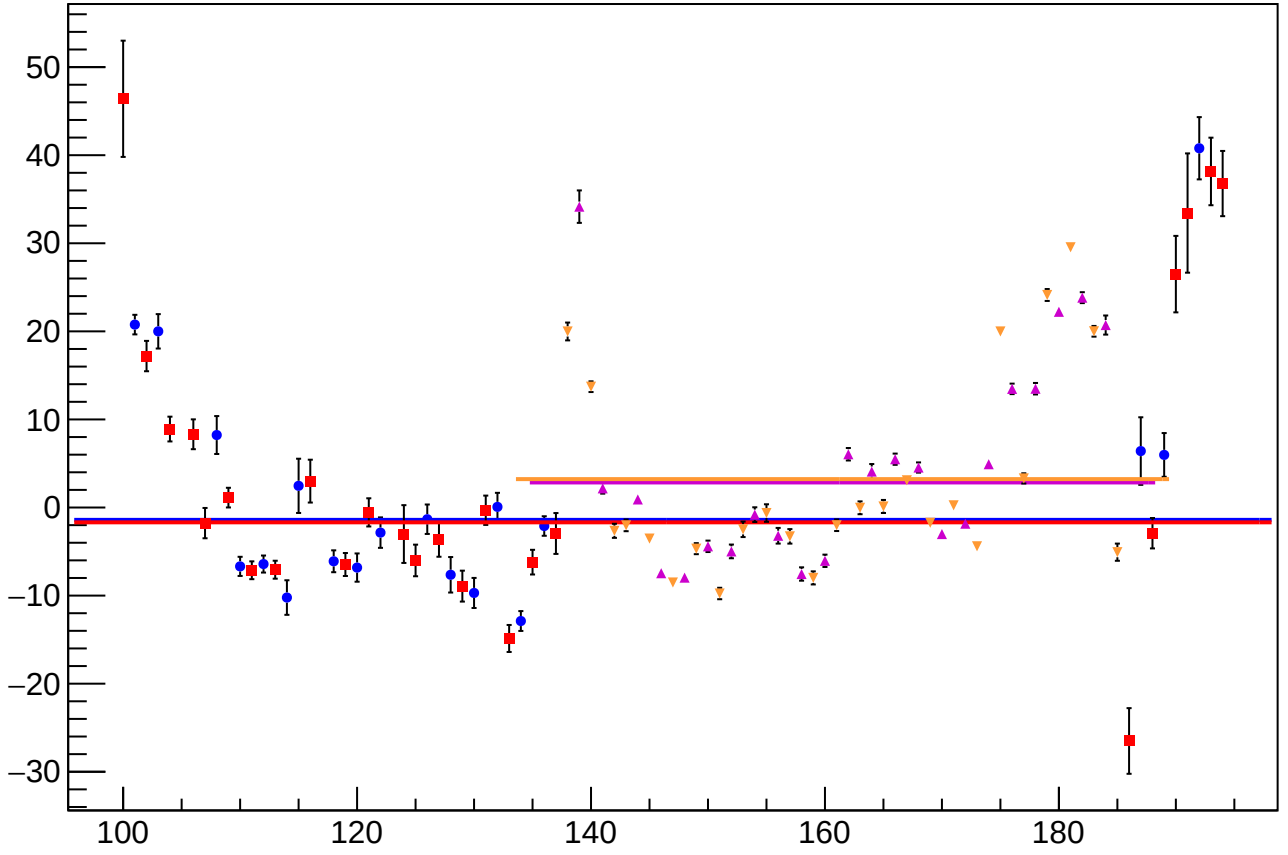
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.133+/-0.144 χ^2/NDF: 27604.4/43

All: -24.712+/-0.102 χ^2/NDF: 54213.4/91

- sign -23.307+/-0.144 χ^2/NDF: 26416.6/47

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: -1.682+/-0.342 χ^2/NDF: 784.5/24

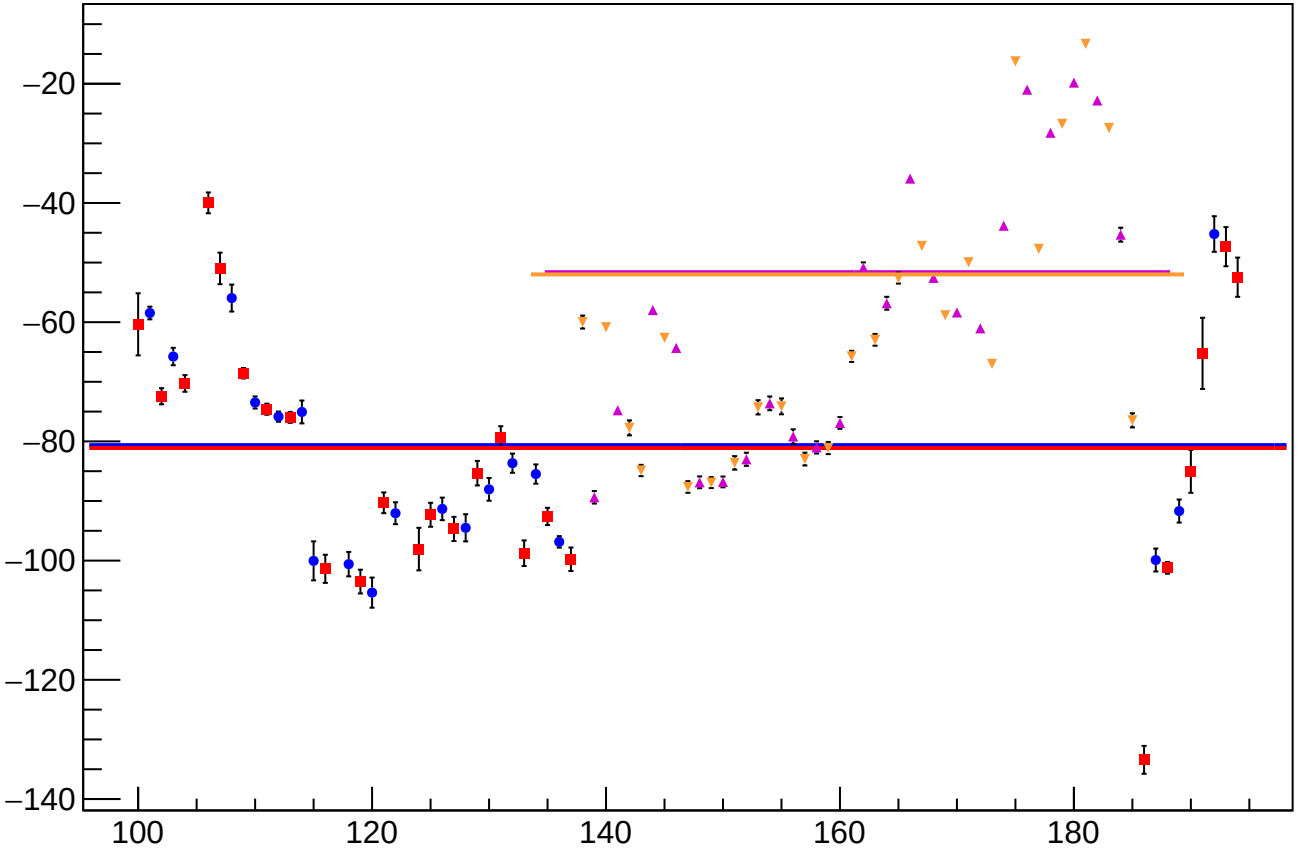
Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.676+/-0.120 χ^2/NDF: 8760.9/43

All: 2.474+/-0.086 χ^2/NDF: 15159.3/91

- sign 2.264+/-0.123 χ^2/NDF: 6392.7/47

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: -81.110+/-0.324 χ^2/NDF: 2742.5/24

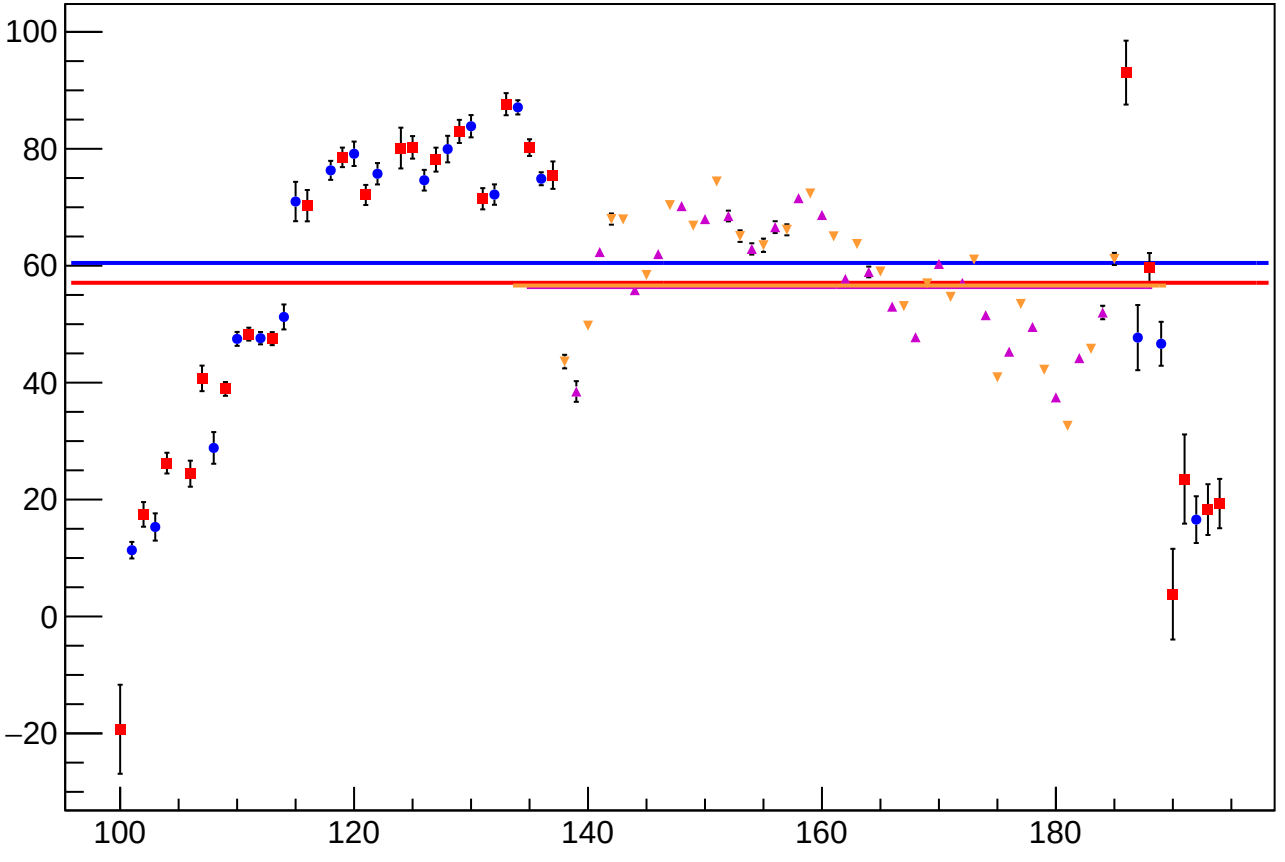
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.189+/-0.149 χ^2/NDF: 28042.0/43

All: -57.551+/-0.106 χ^2/NDF: 54925.8/91

- sign -57.916+/-0.150 χ^2/NDF: 26872.0/47

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: 57.082+/-0.390 χ^2/NDF: 3048.7/24

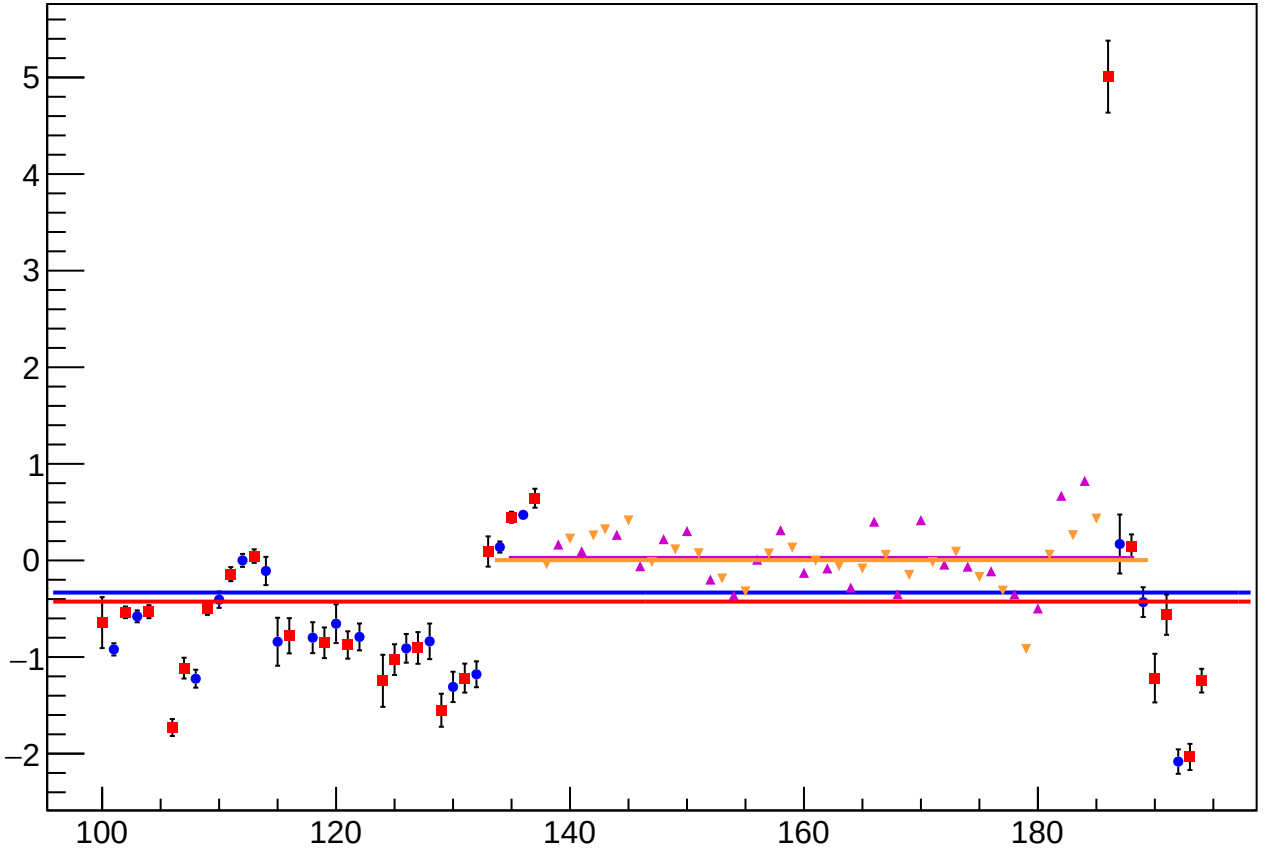
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 57.064+/-0.135 χ^2/NDF: 9121.9/43

All: 56.758+/-0.097 χ^2/NDF: 16152.8/91

- sign 56.439+/-0.138 χ^2/NDF: 7020.4/47

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: -0.426+/-0.021 χ^2/NDF: 1252.8/24

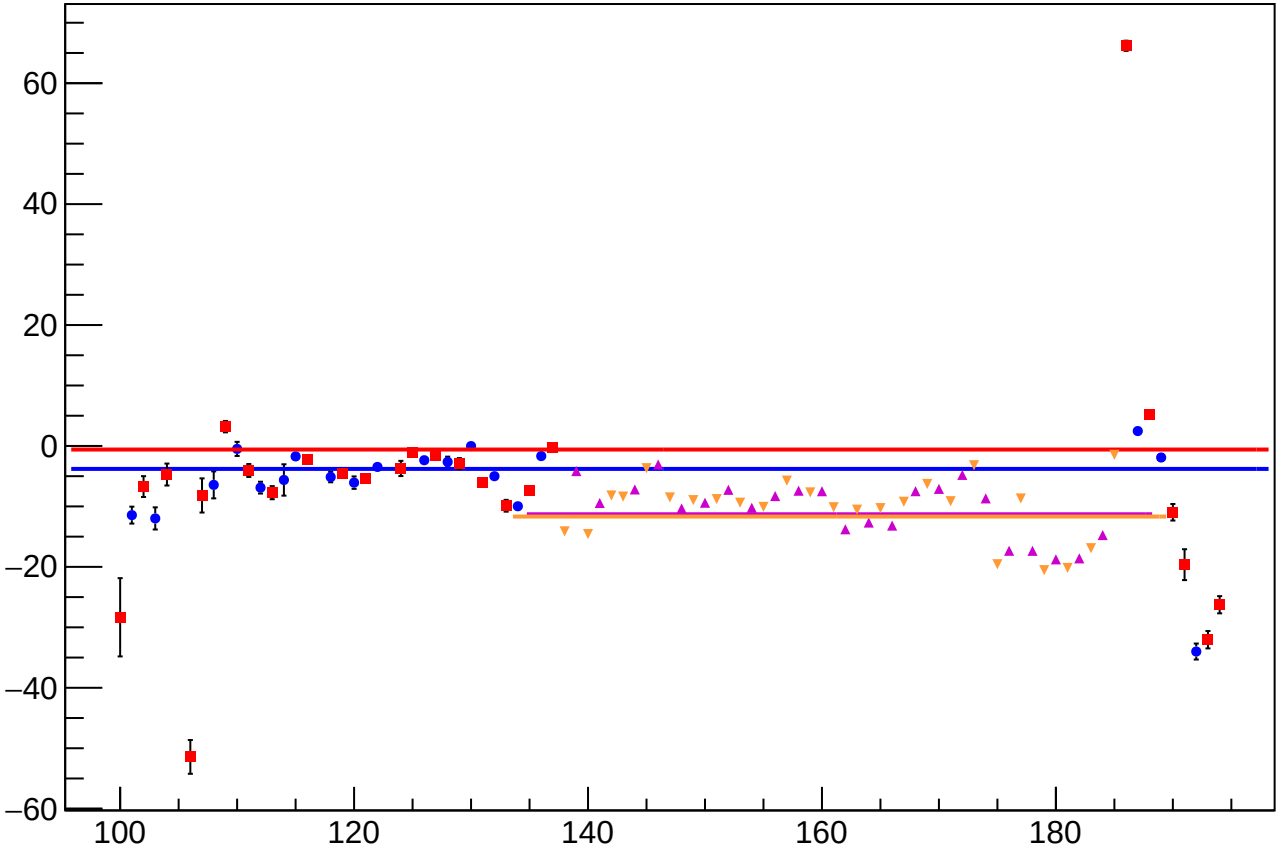
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.025+/-0.006 χ^2/NDF: 2861.2/43

All: -0.020+/-0.004 χ^2/NDF: 6895.2/91

- sign -0.015+/-0.006 χ^2/NDF: 4032.6/47

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: -0.592+/-0.172 χ^2/NDF: 8242.9/24

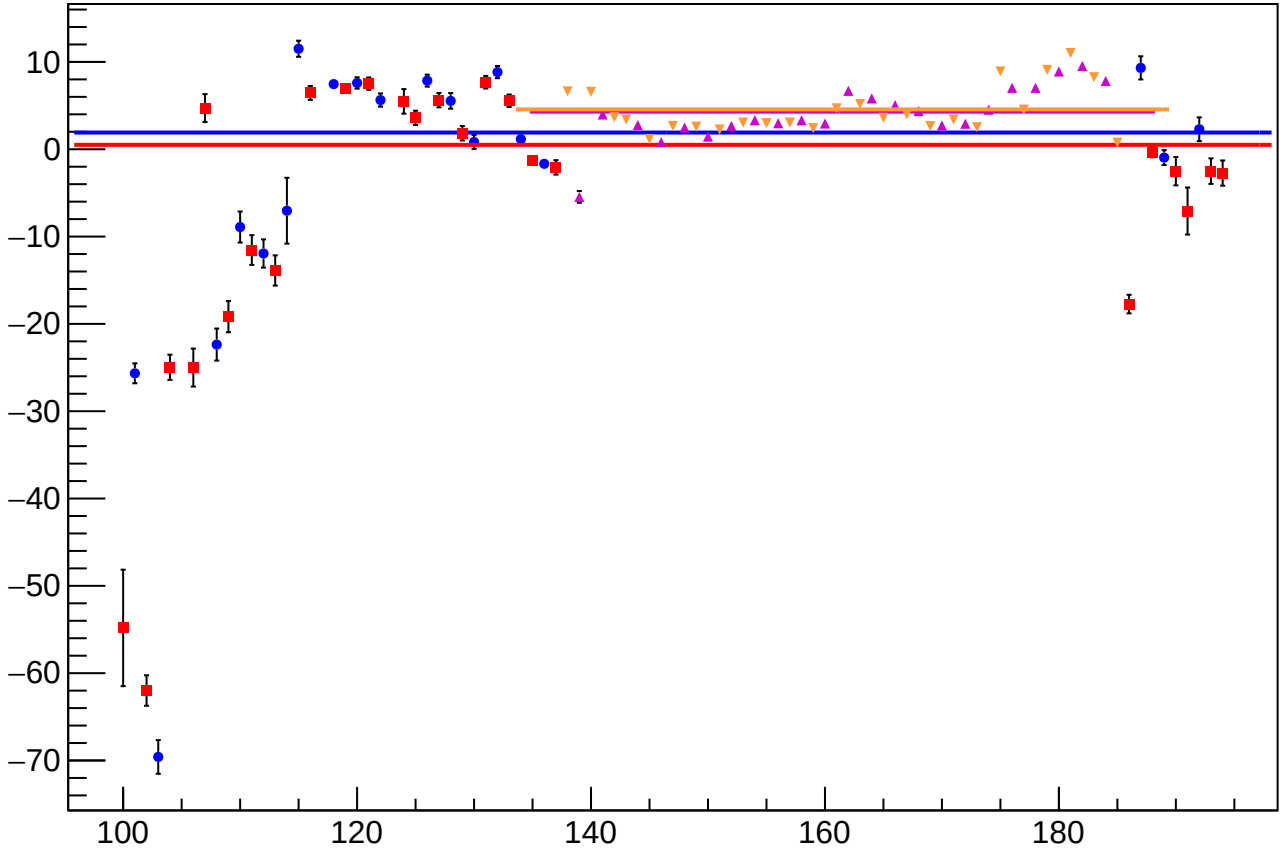
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.042+/-0.050 χ^2/NDF: 15240.7/43

All: -10.699+/-0.036 χ^2/NDF: 36328.6/91

- sign -10.343+/-0.051 χ^2/NDF: 20994.0/47

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: 0.504+/-0.188 χ^2/NDF: 2900.2/24

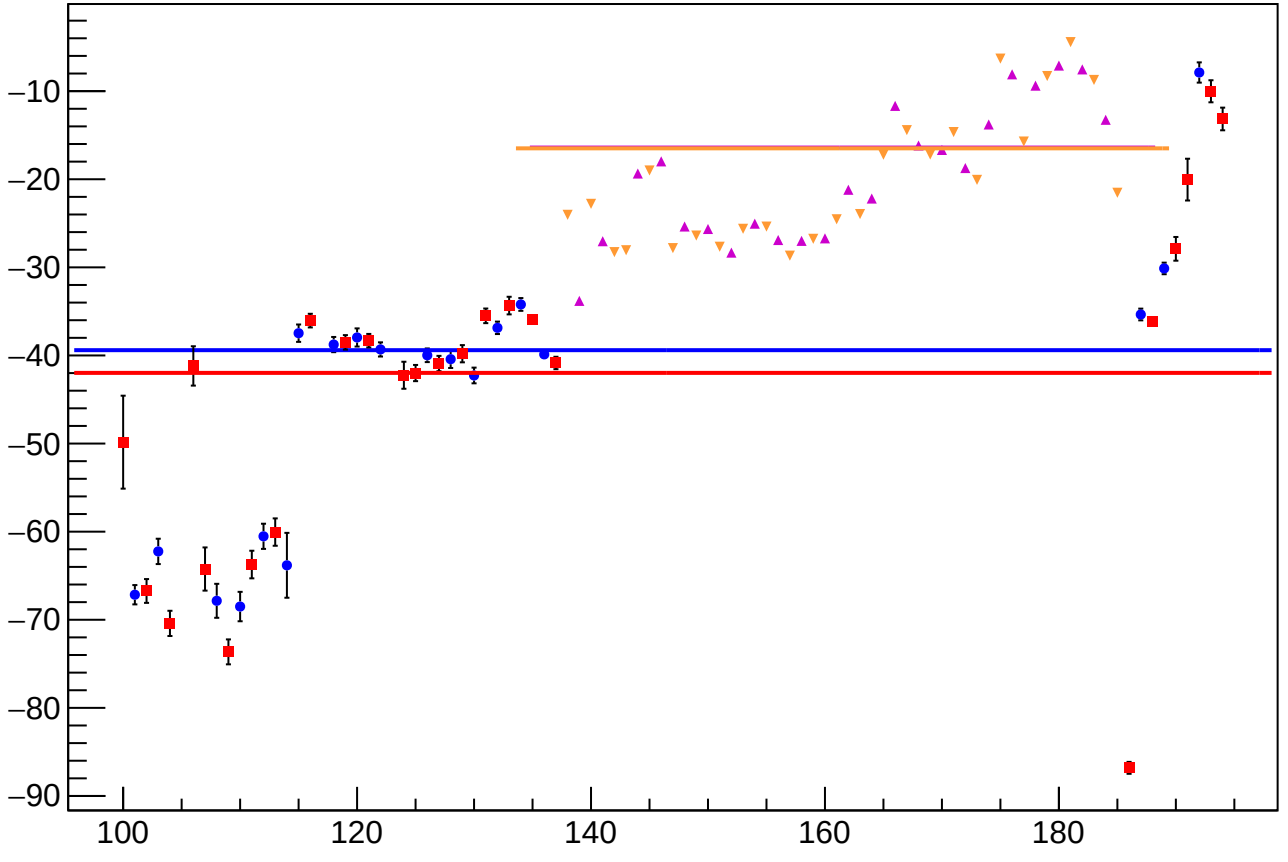
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.432+/-0.040 χ^2/NDF: 7440.5/43

All: 4.283+/-0.029 χ^2/NDF: 14366.4/91

- sign 4.127+/-0.041 χ^2/NDF: 6897.7/47

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

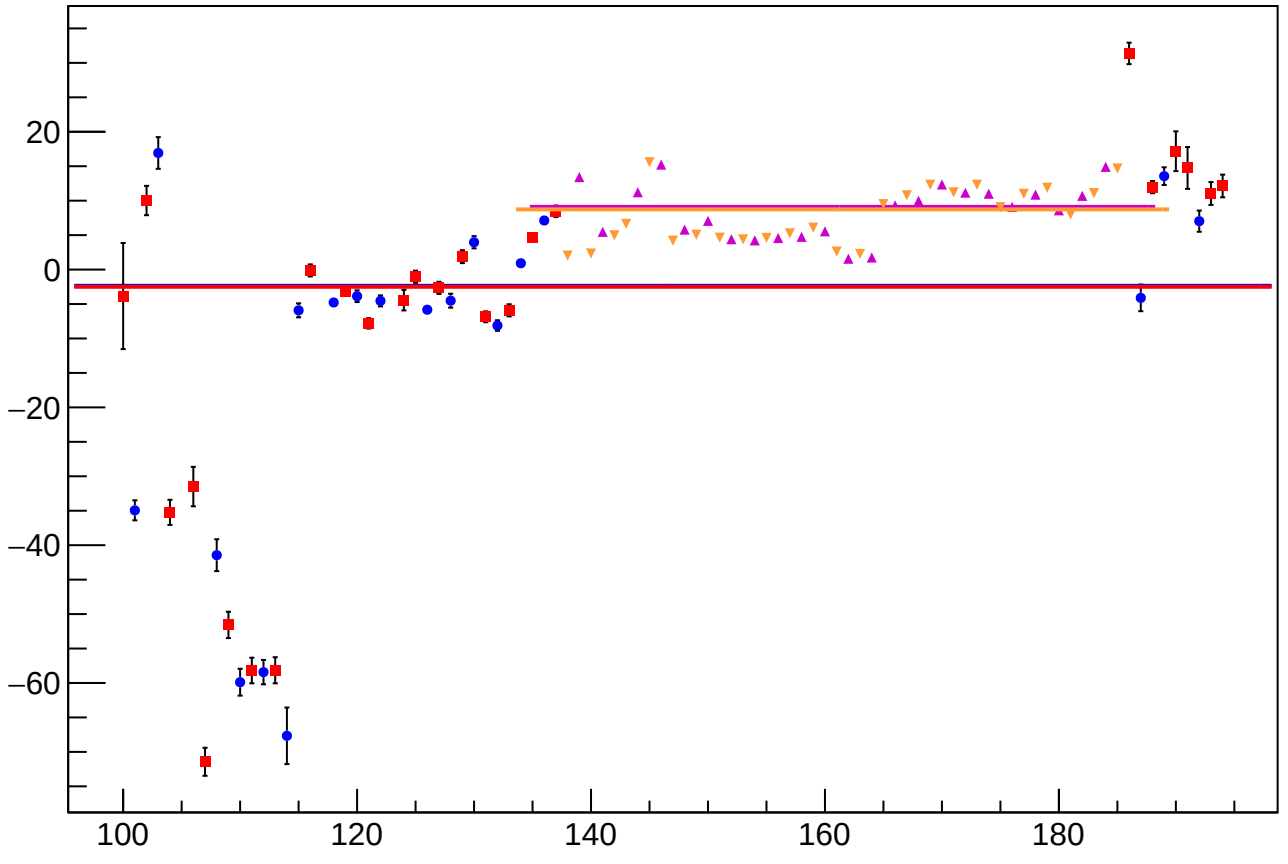
Right Out: -41.978+/-0.177 χ^2/NDF: 8020.8/24

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.179+/-0.051 χ^2/NDF: 38603.4/43

All: -18.371+/-0.036 χ^2/NDF: 83740.4/91

- sign -18.568+/-0.052 χ^2/NDF: 45108.1/47



Right In: -2.358+/-0.204 χ^2/NDF: 3925.0/18

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -2.497+/-0.217 χ^2/NDF: 5458.4/24

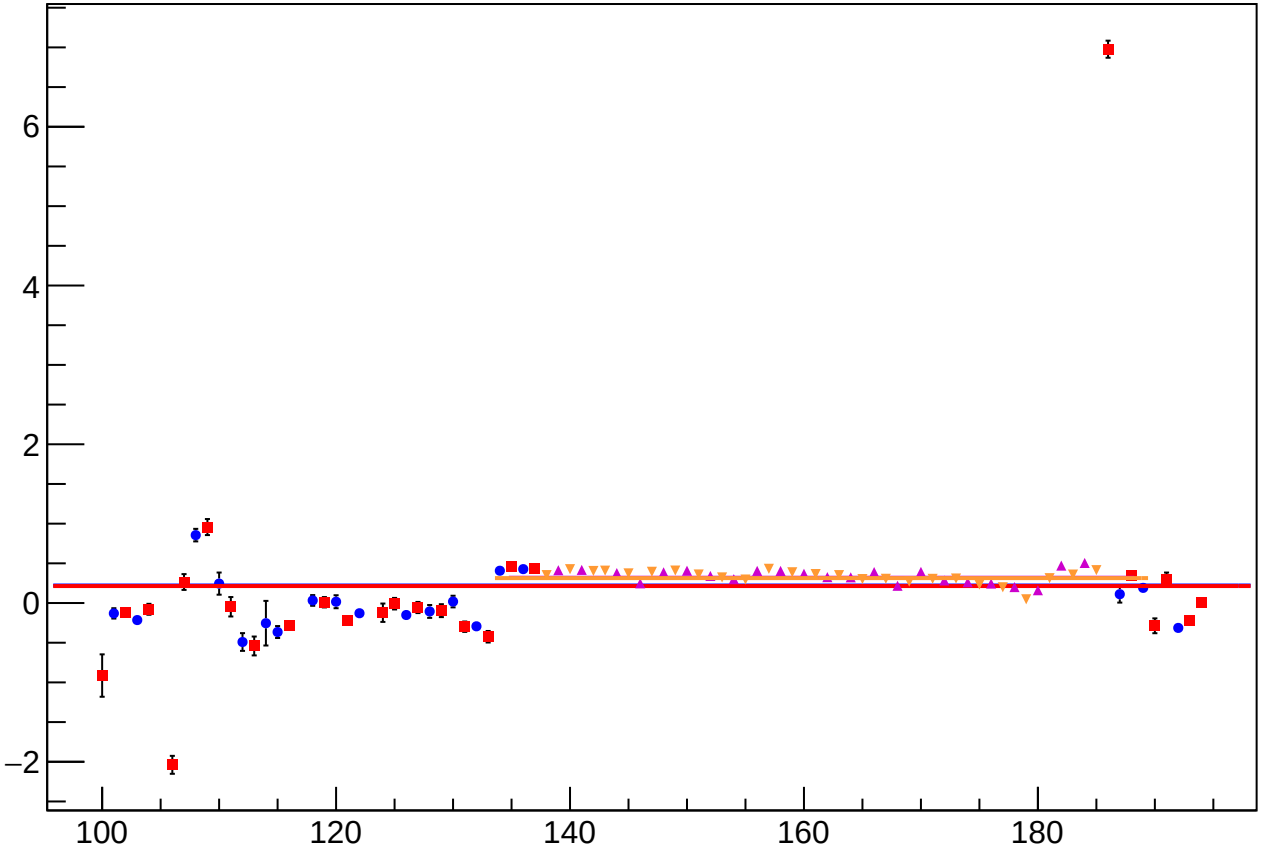
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.193+/-0.045 χ^2/NDF: 13615.0/43

All: 8.380+/-0.032 χ^2/NDF: 27576.5/91

- sign 8.574+/-0.046 χ^2/NDF: 13926.5/47

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: 0.214+/-0.012 χ^2/NDF: 5123.8/24

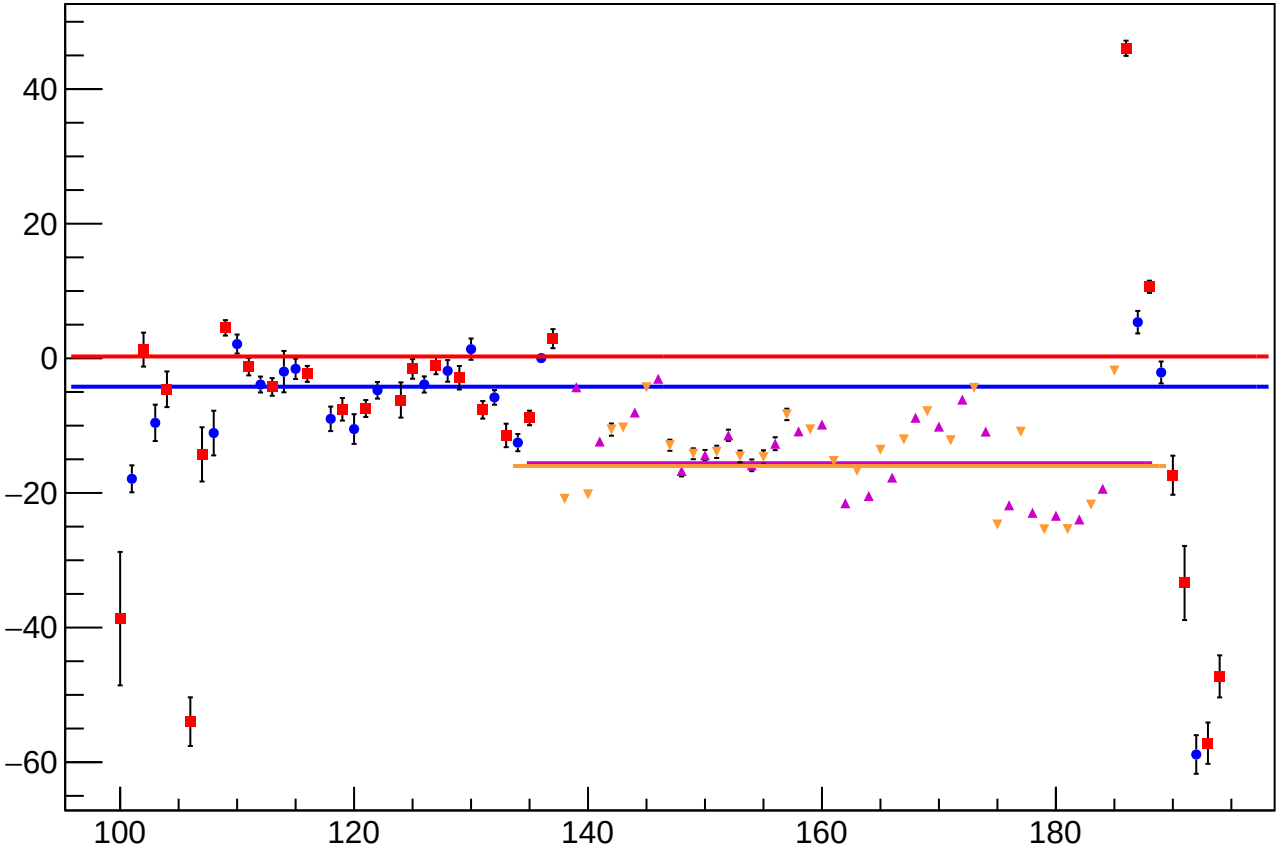
Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.311+/-0.002 χ^2/NDF: 2433.8/43

All: 0.313+/-0.001 χ^2/NDF: 9425.9/91

- sign 0.315+/-0.002 χ^2/NDF: 6989.5/47

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -4.213+/-0.330 χ^2/NDF: 587.0/18

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: 0.276+/-0.313 χ^2/NDF: 2947.9/24

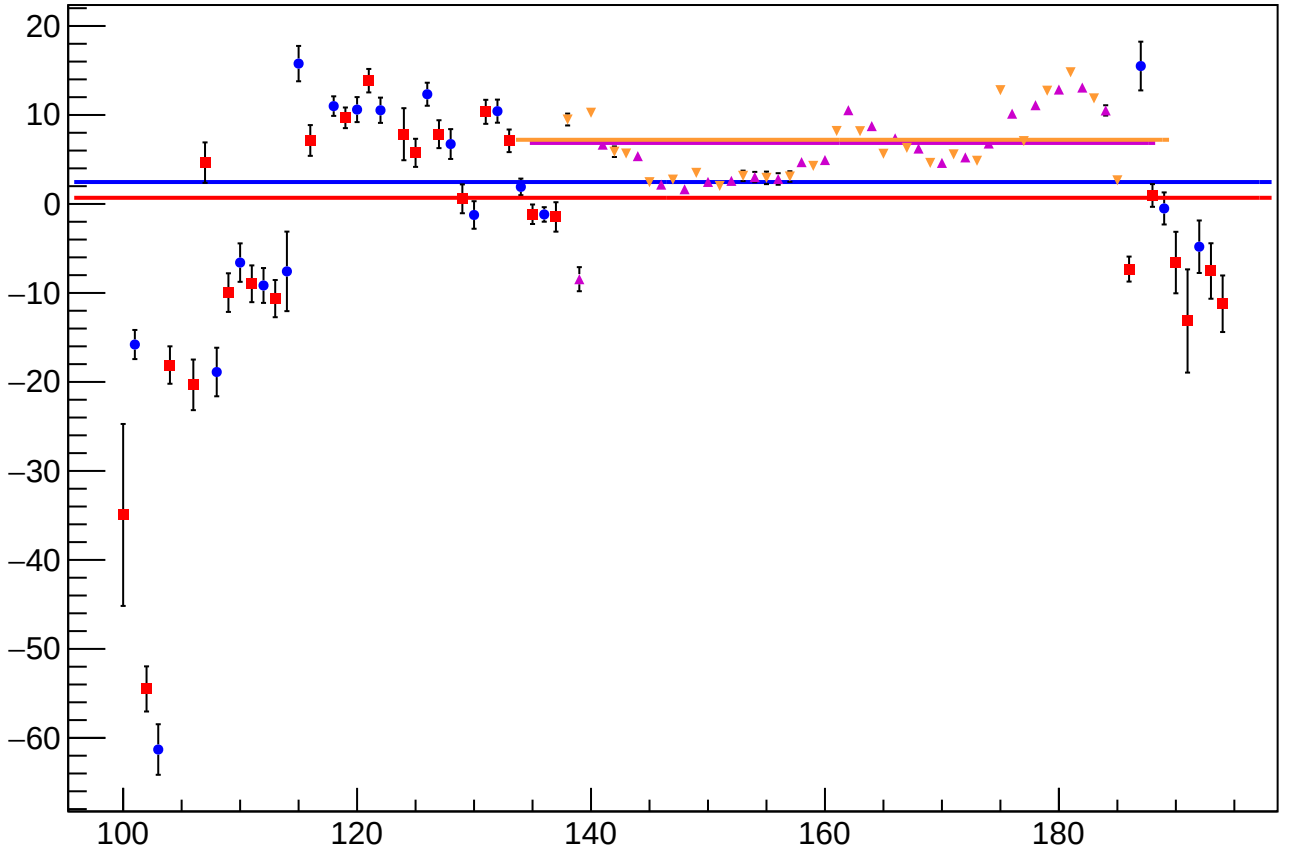
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.018+/-0.095 χ^2/NDF: 7722.5/43

All: -14.548+/-0.068 χ^2/NDF: 17801.6/91

- sign -14.059+/-0.097 χ^2/NDF: 10029.4/47

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: 0.693+/-0.350 χ^2/NDF: 1054.0/24

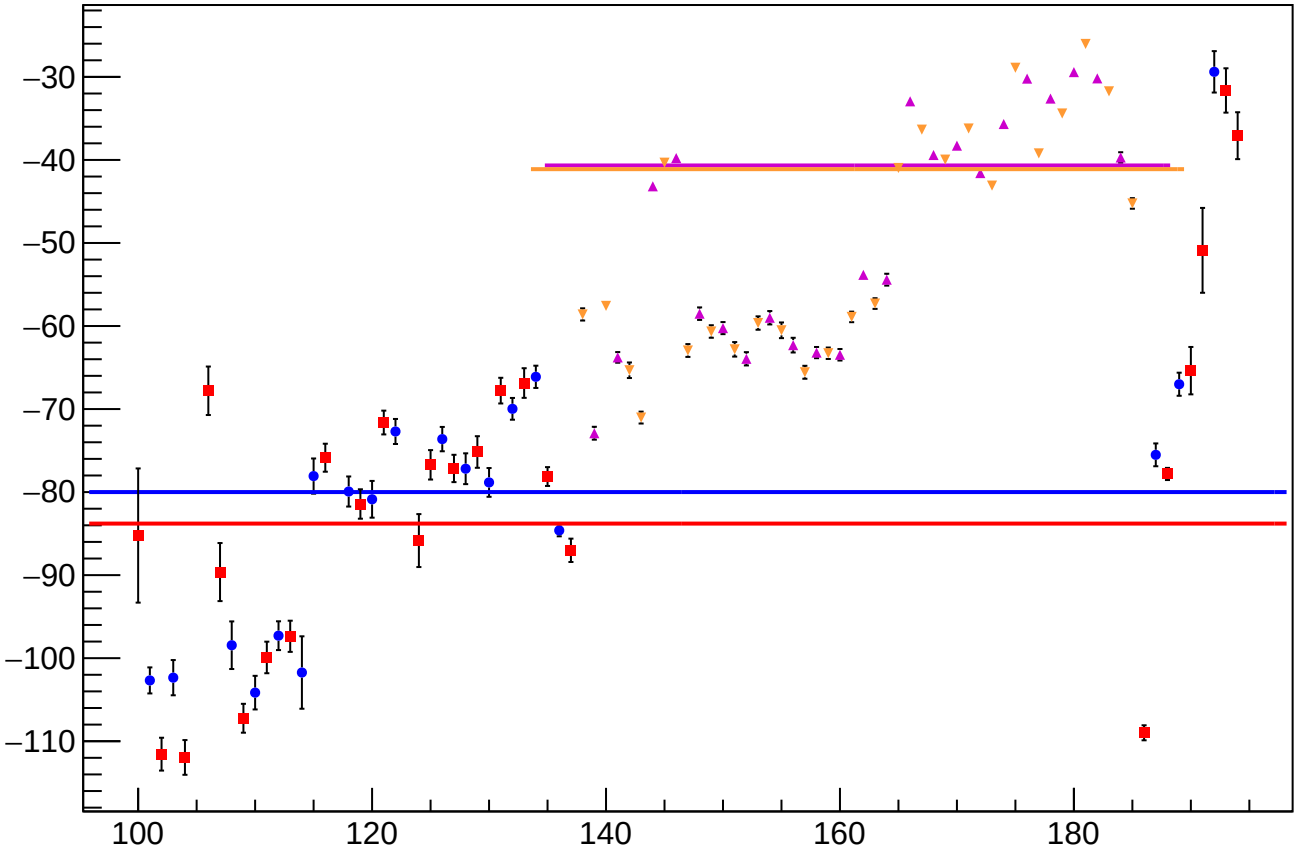
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.969+/-0.078 χ^2/NDF: 3714.1/43

All: 6.759+/-0.056 χ^2/NDF: 7232.9/91

- sign 6.543+/-0.079 χ^2/NDF: 3504.1/47

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: -83.793+/-0.327 χ^2/NDF: 2674.7/24

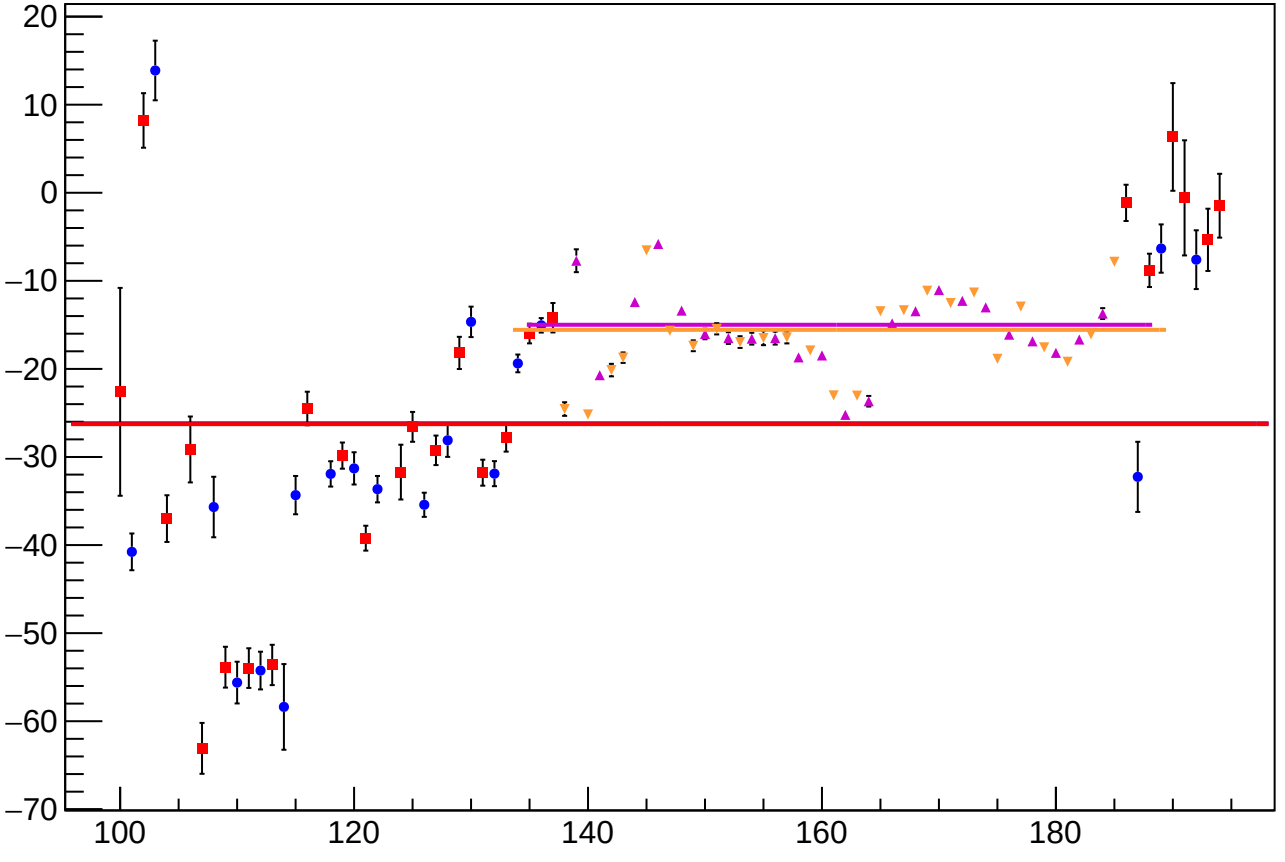
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -43.984+/-0.096 χ^2/NDF: 28565.9/43

All: -44.239+/-0.069 χ^2/NDF: 60629.3/91

- sign -44.501+/-0.098 χ^2/NDF: 32049.2/47

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: -26.271+/-0.405 χ^2/NDF: 1367.3/24

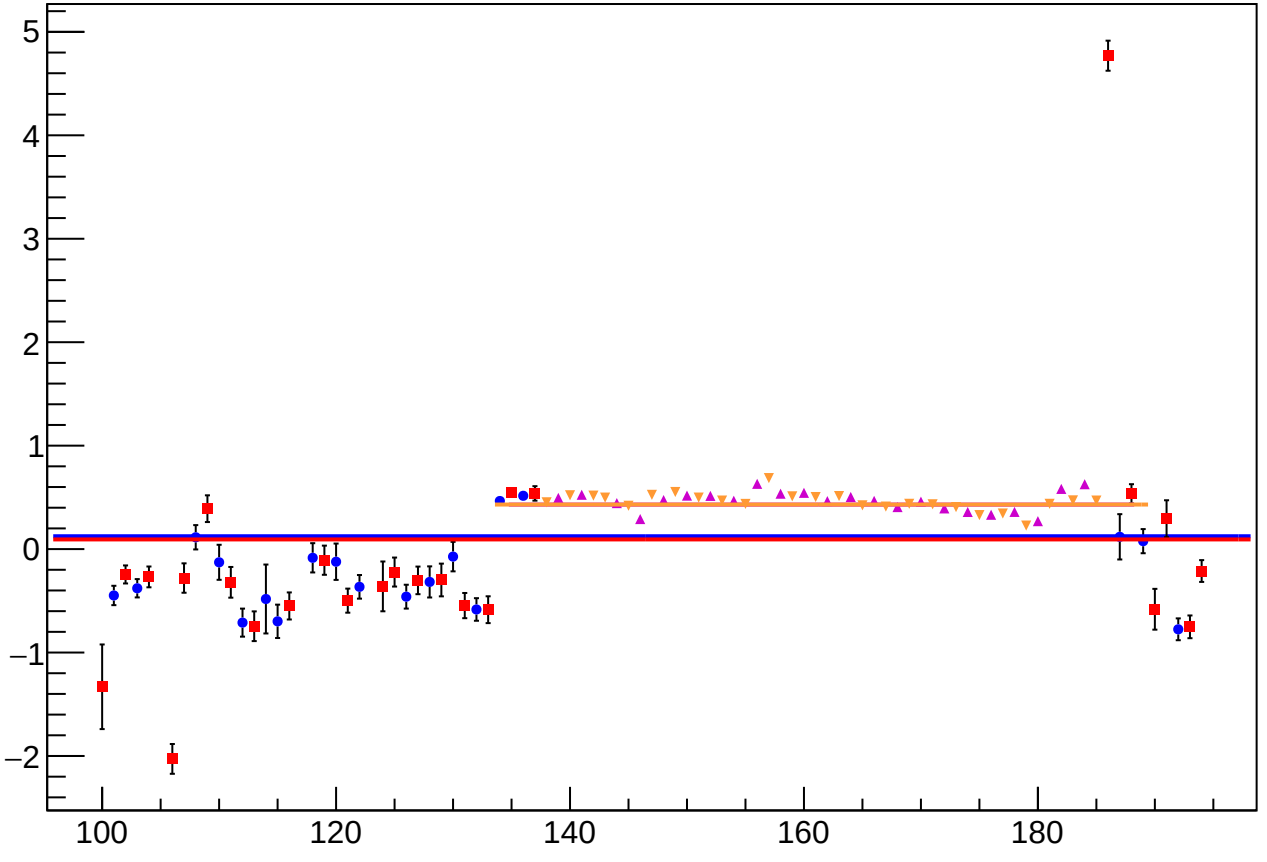
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

\+ sign -16.094+/-0.087 χ^2/NDF: 4316.3/43

All: -15.814+/-0.062 χ^2/NDF: 8595.6/91

\- sign -15.524+/-0.088 χ^2/NDF: 4258.0/47

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: 0.093+/-0.022 χ^2/NDF: 1727.8/24

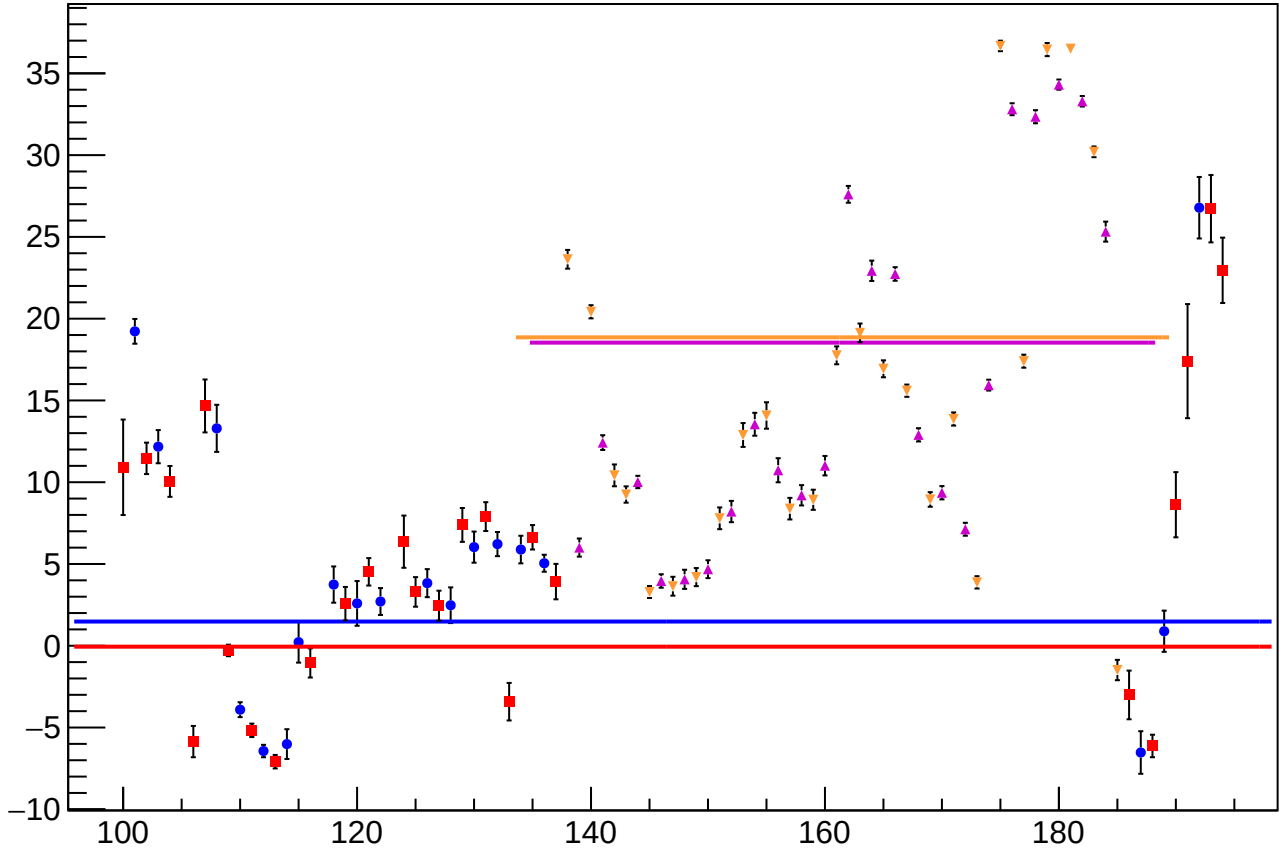
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.420+/-0.004 χ^2/NDF: 1131.3/43

All: 0.419+/-0.003 χ^2/NDF: 3669.6/91

- sign 0.419+/-0.004 χ^2/NDF: 2538.4/47

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: -0.055+/-0.160 χ^2/NDF: 1574.8/24

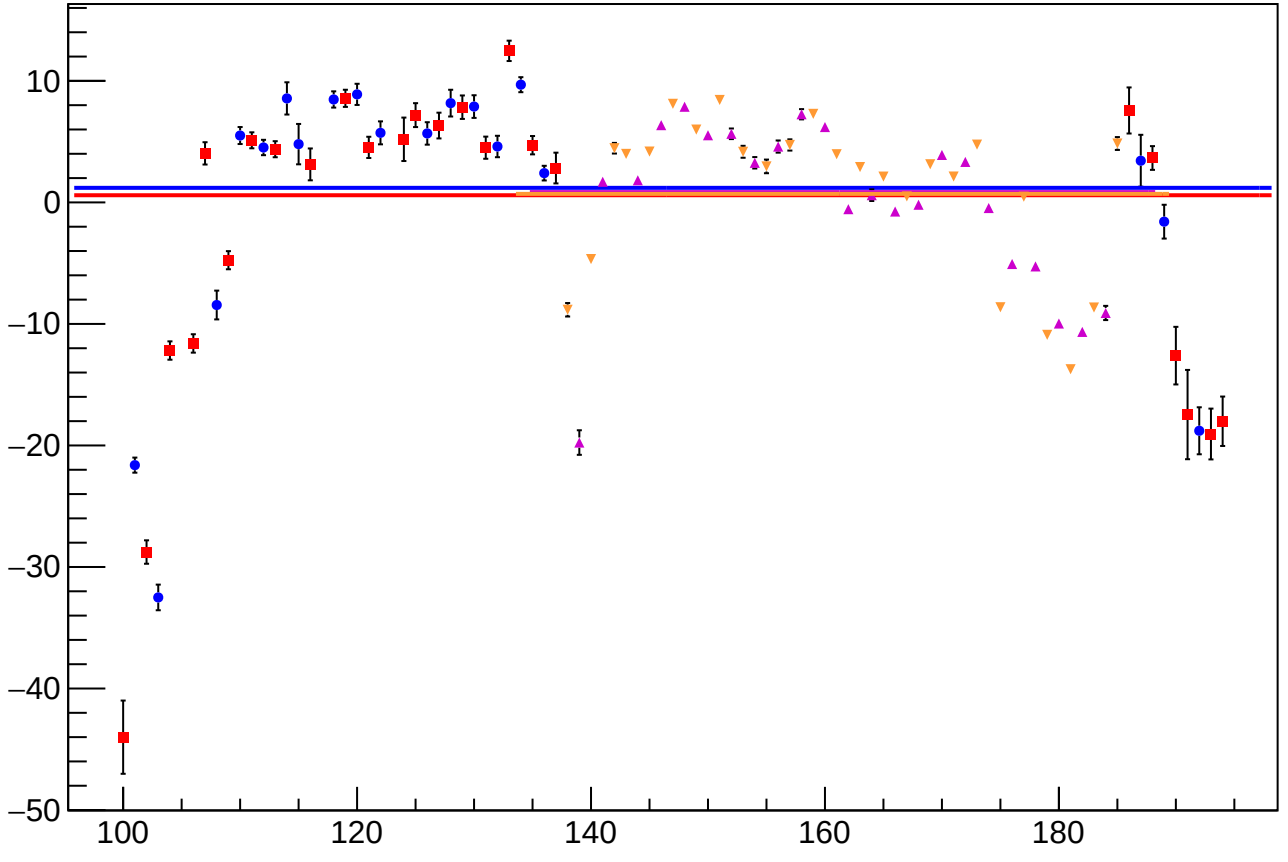
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.315+/-0.081 χ^2/NDF: 27647.3/43

All: 14.568+/-0.057 χ^2/NDF: 53538.8/91

- sign 13.822+/-0.081 χ^2/NDF: 25720.0/47

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: 0.589+/-0.194 χ^2/NDF: 2629.9/24

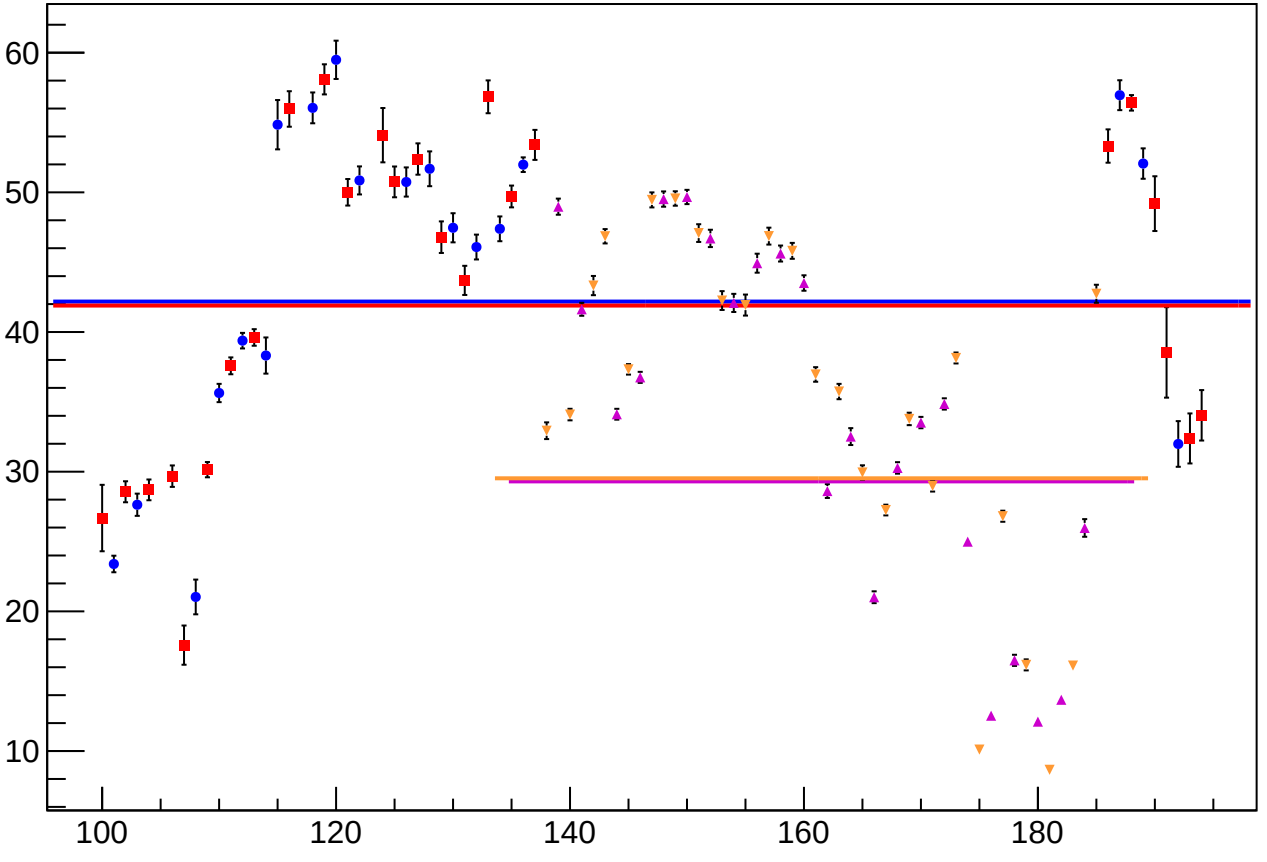
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.757+/-0.067 χ^2/NDF: 11437.2/43

All: 0.786+/-0.048 χ^2/NDF: 20114.4/91

- sign 0.815+/-0.068 χ^2/NDF: 8676.8/47

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: 41.894+/-0.185 χ^2/NDF: 3598.3/24

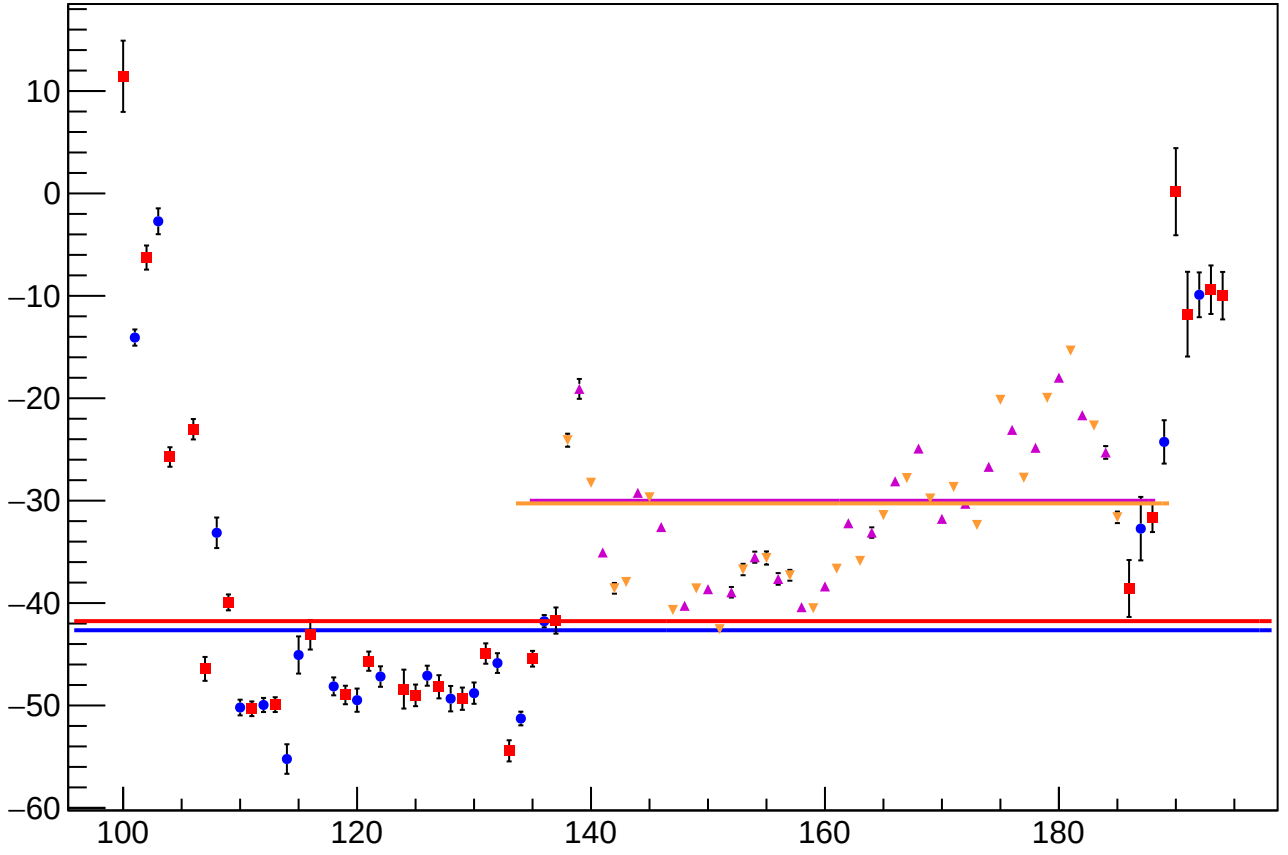
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.653+/-0.083 χ^2/NDF: 27435.8/43

All: 31.751+/-0.059 χ^2/NDF: 52601.0/91

- sign 31.849+/-0.083 χ^2/NDF: 25162.5/47

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: -41.764+/-0.223 χ^2/NDF: 3052.3/24

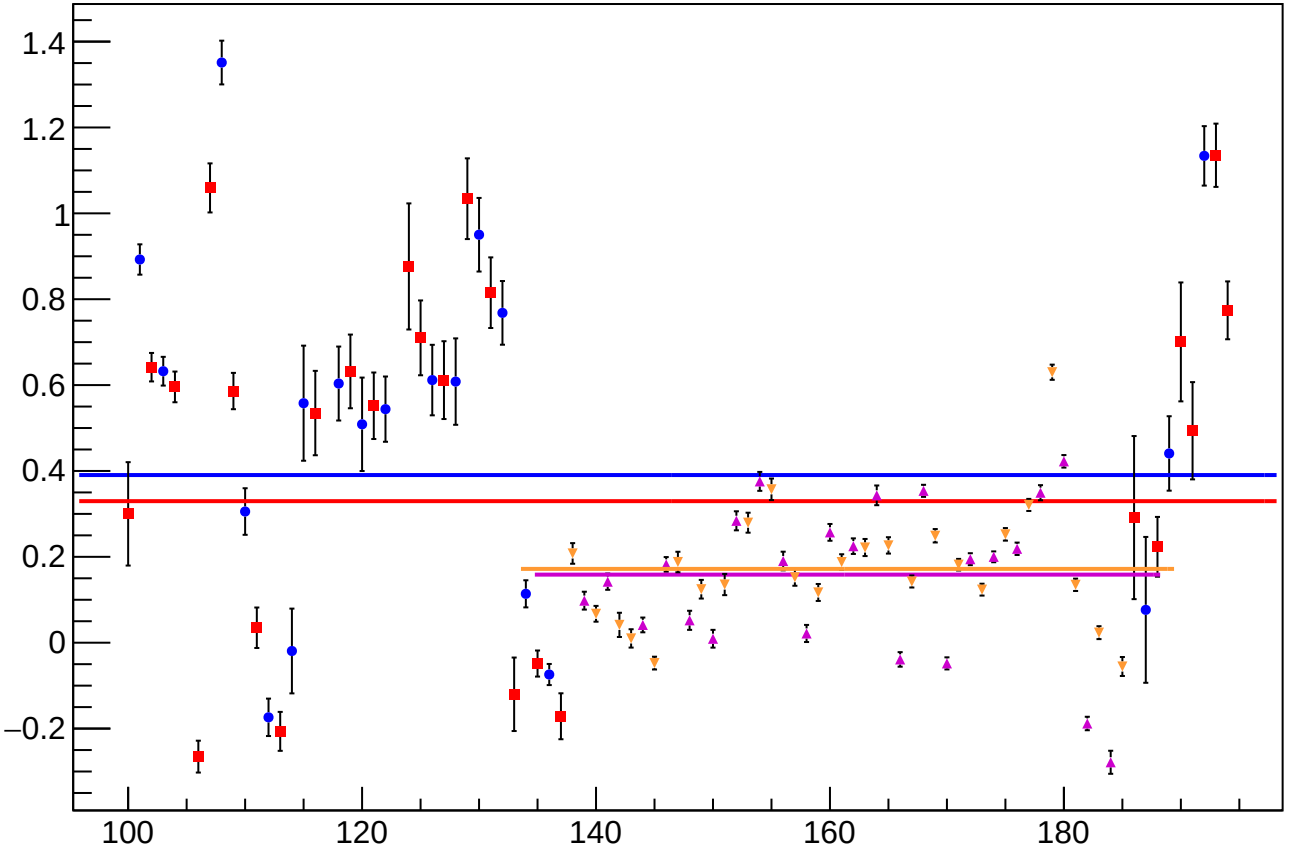
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.623+/-0.075 χ^2/NDF: 14474.5/43

All: -31.511+/-0.053 χ^2/NDF: 26070.6/91

- sign -31.393+/-0.076 χ^2/NDF: 11591.5/47

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: 0.330+/-0.011 χ^2/NDF: 1383.5/24

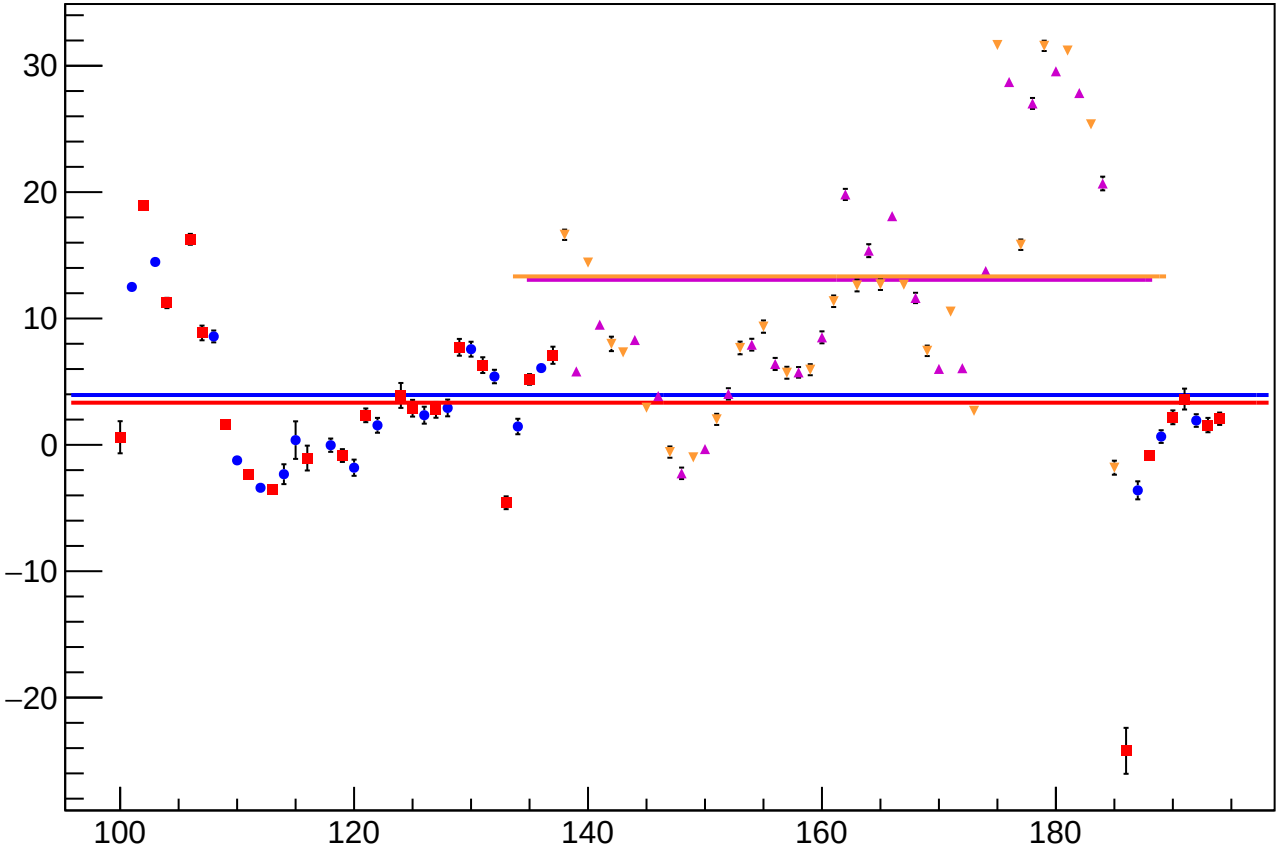
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.190+/-0.003 χ^2/NDF: 3255.7/43

All: 0.182+/-0.002 χ^2/NDF: 7039.2/91

- sign 0.174+/-0.003 χ^2/NDF: 3773.0/47

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: 3.336+/-0.095 χ^2/NDF: 4804.8/24

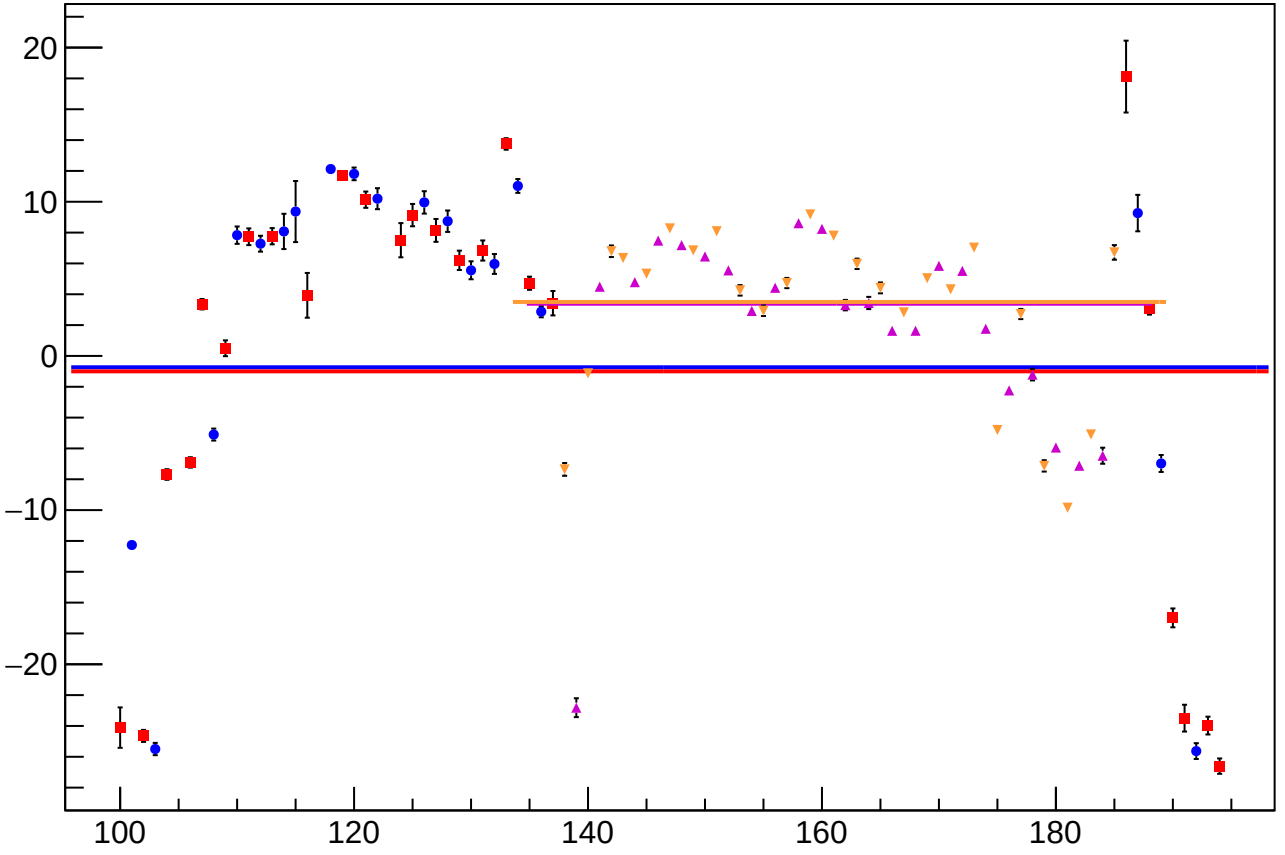
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 10.247+/-0.063 χ^2/NDF: 27154.6/43

All: 9.630+/-0.044 χ^2/NDF: 53898.4/91

- sign 9.054+/-0.061 χ^2/NDF: 26557.9/47

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: -1.000+/-0.100 χ^2/NDF: 15581.2/24

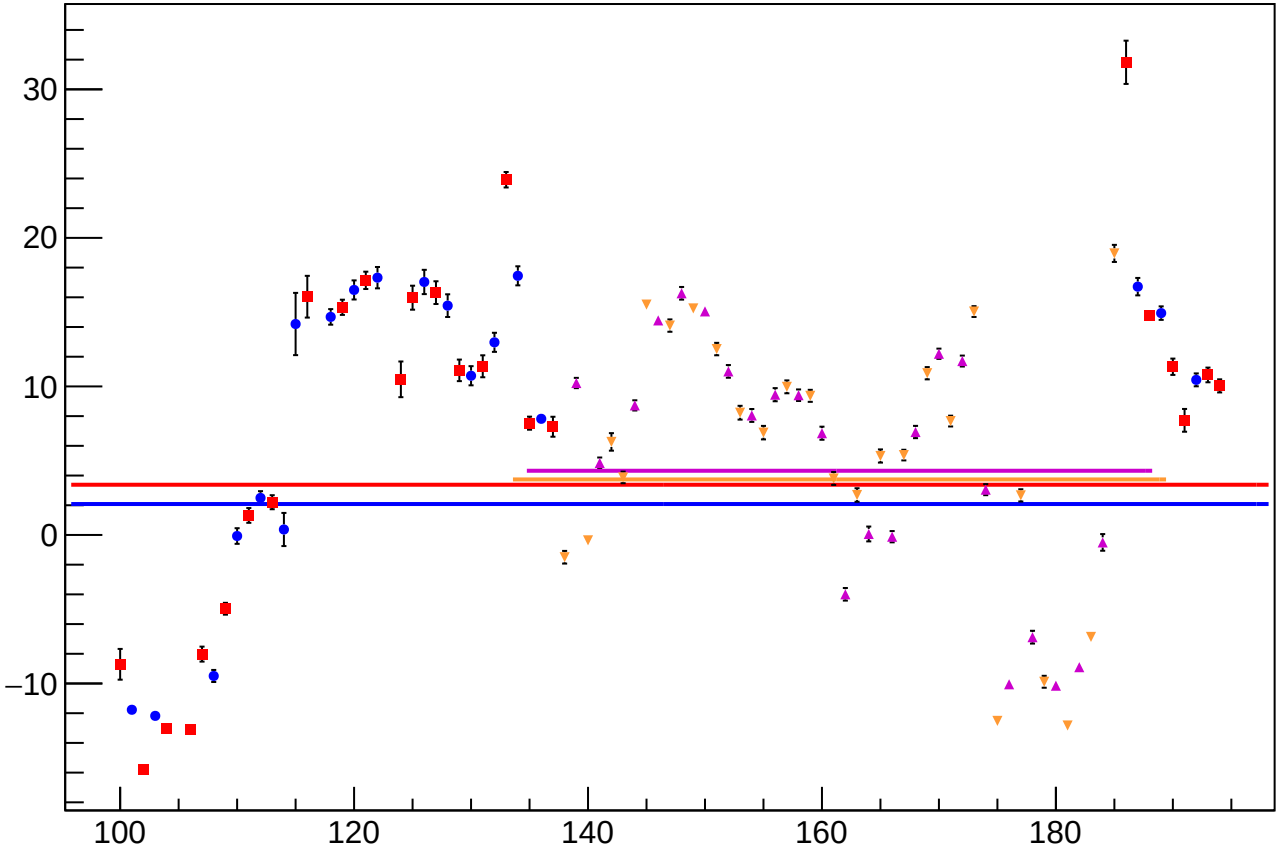
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 2.570+/-0.052 χ^2/NDF: 22226.4/43

All: 2.387+/-0.037 χ^2/NDF: 45934.4/91

- sign 2.202+/-0.052 χ^2/NDF: 23682.8/47

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: 3.381+/-0.094 χ^2/NDF: 17957.7/24

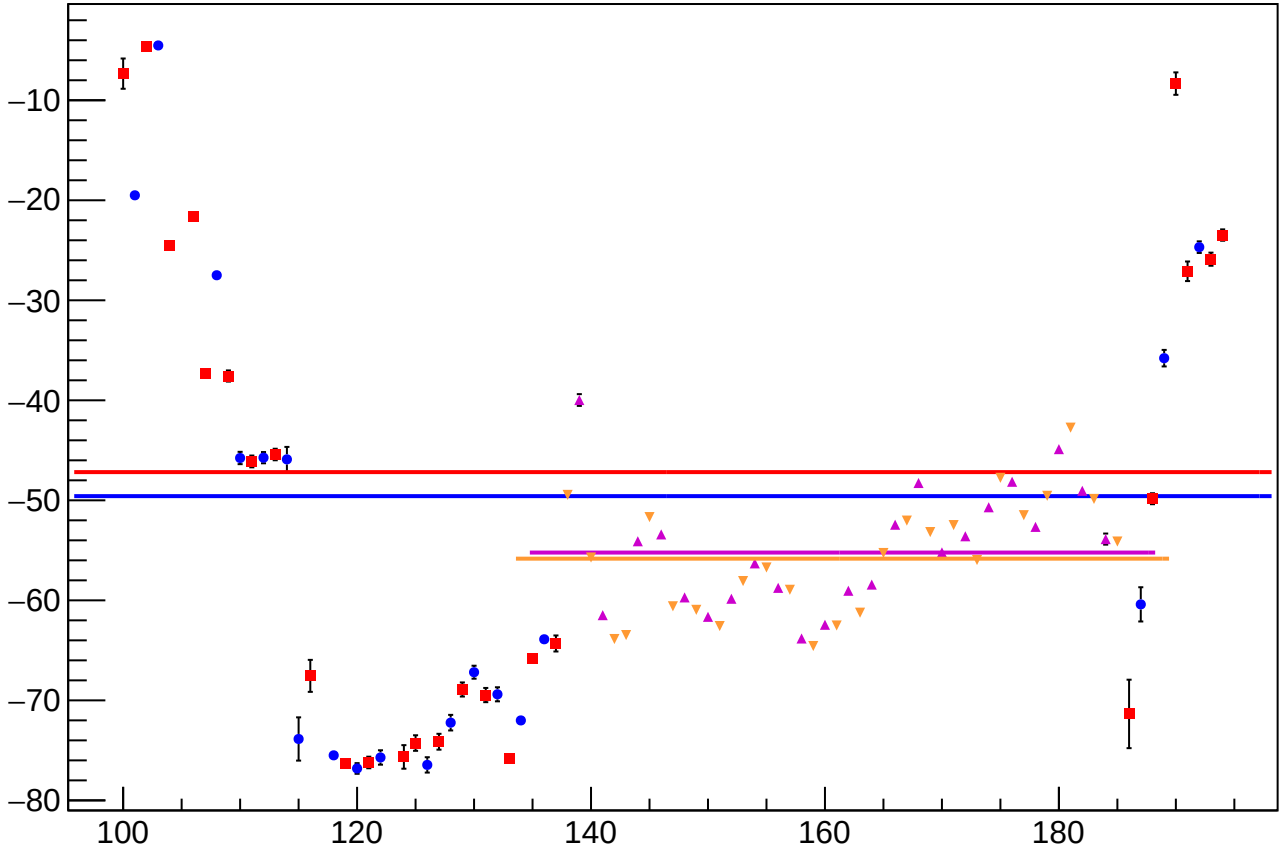
Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 3.197+/-0.063 χ^2/NDF: 27119.7/43

All: 3.580+/-0.043 χ^2/NDF: 57691.8/91

- sign 3.935+/-0.060 χ^2/NDF: 30500.0/47

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: -47.178+/-0.120 χ^2/NDF: 38850.4/24

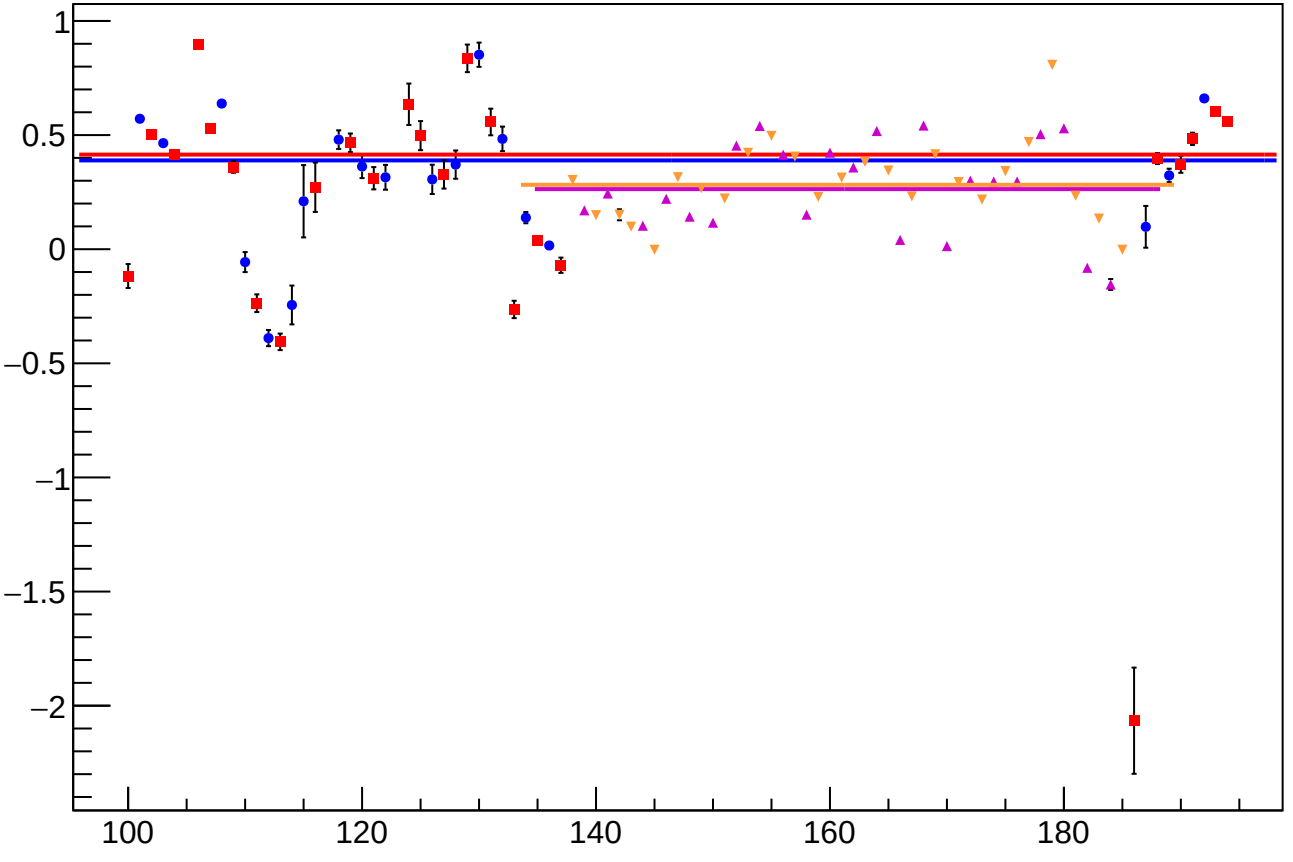
Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -54.543+/-0.059 χ^2/NDF: 45496.2/43

All: -53.897+/-0.042 χ^2/NDF: 94307.3/91

- sign -53.240+/-0.060 χ^2/NDF: 48570.4/47

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: 0.414+/-0.005 χ^2/NDF: 3114.6/24

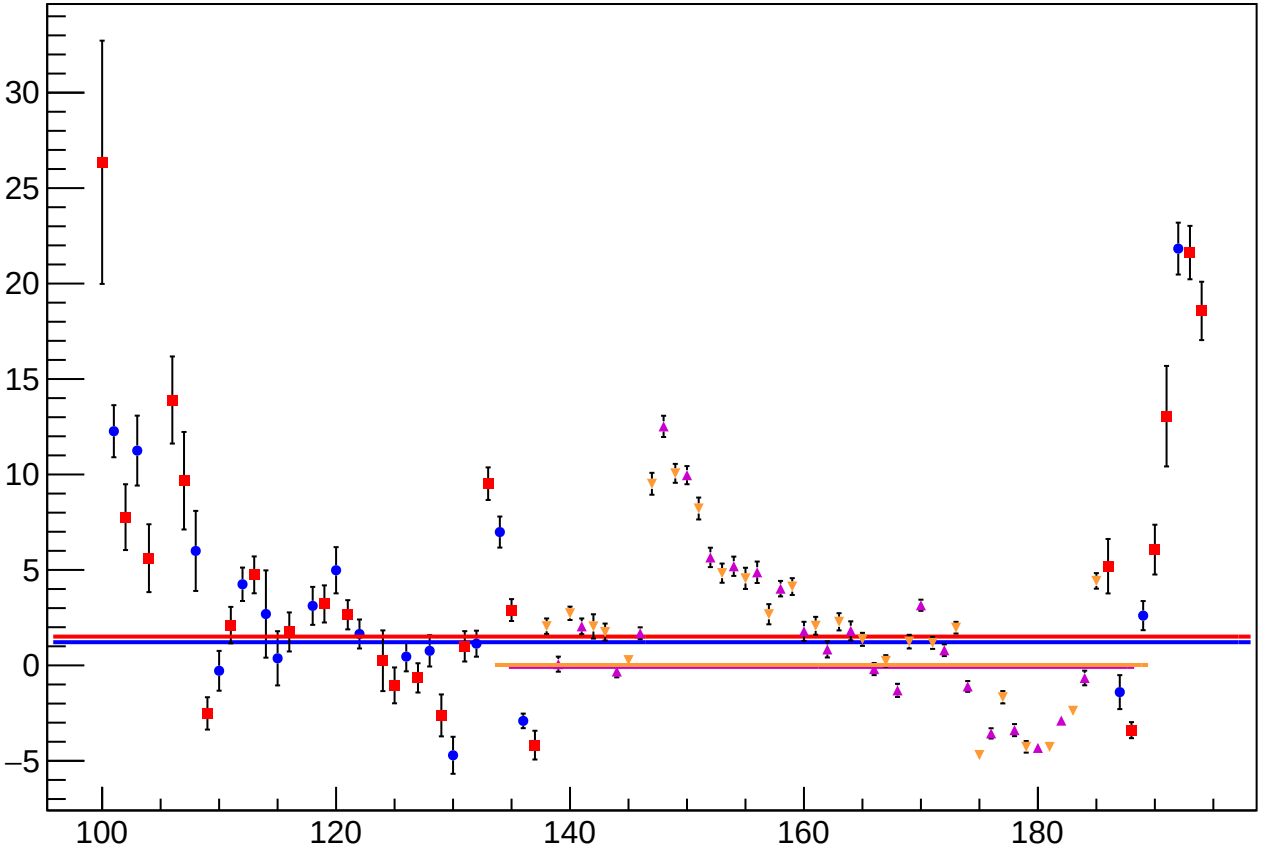
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.304+/-0.003 χ^2/NDF: 5088.9/43

All: 0.303+/-0.002 χ^2/NDF: 12667.2/91

- sign 0.301+/-0.003 χ^2/NDF: 7577.8/47

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: 1.508+/-0.189 χ^2/NDF: 800.5/24

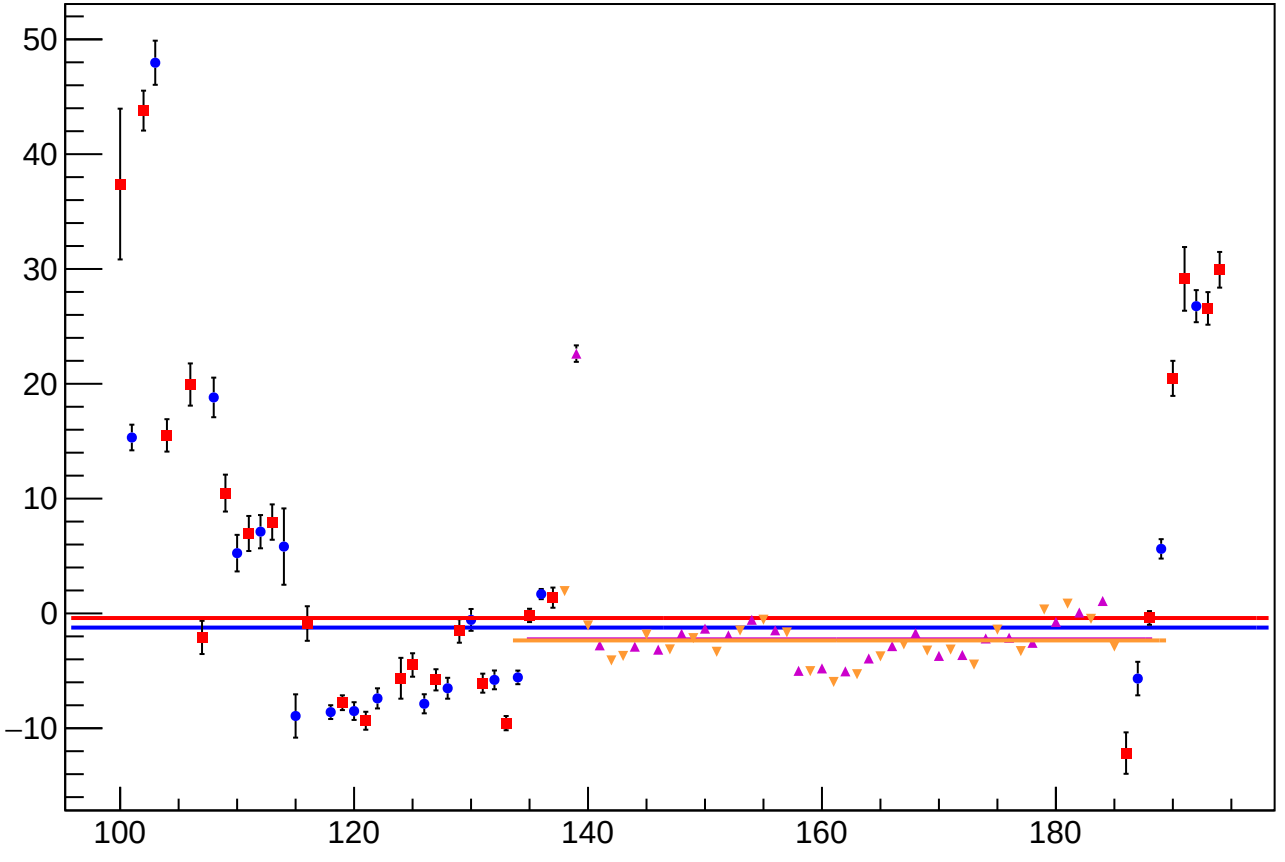
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.150+/-0.065 χ^2/NDF: 3368.9/43

All: 0.133+/-0.046 χ^2/NDF: 6696.0/91

- sign 0.115+/-0.066 χ^2/NDF: 3326.9/47

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: -0.401+/-0.206 χ^2/NDF: 2704.3/24

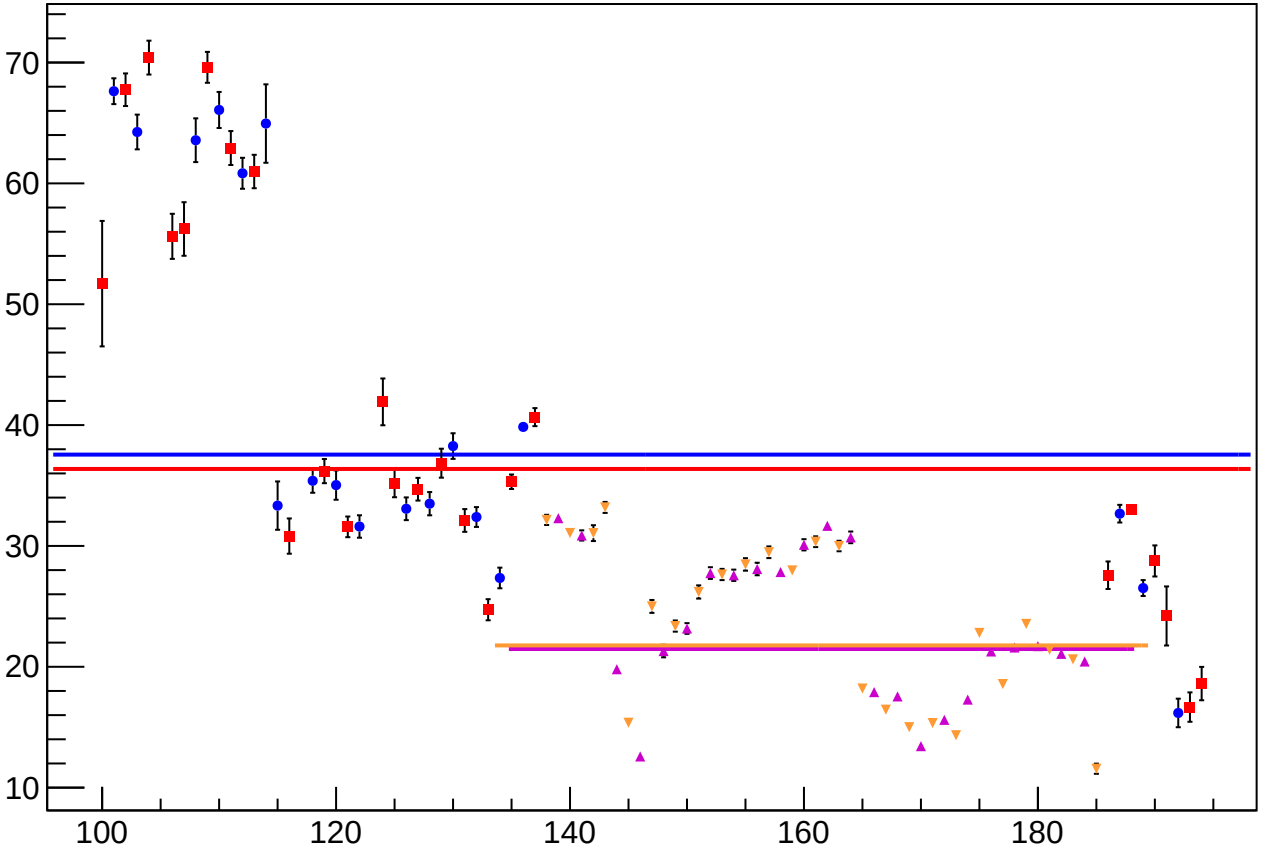
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -2.276+/-0.053 χ^2/NDF: 3224.6/43

All: -2.203+/-0.038 χ^2/NDF: 7885.8/91

- sign -2.127+/-0.054 χ^2/NDF: 4657.4/47

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: 36.370+/-0.191 χ^2/NDF: 3616.6/24

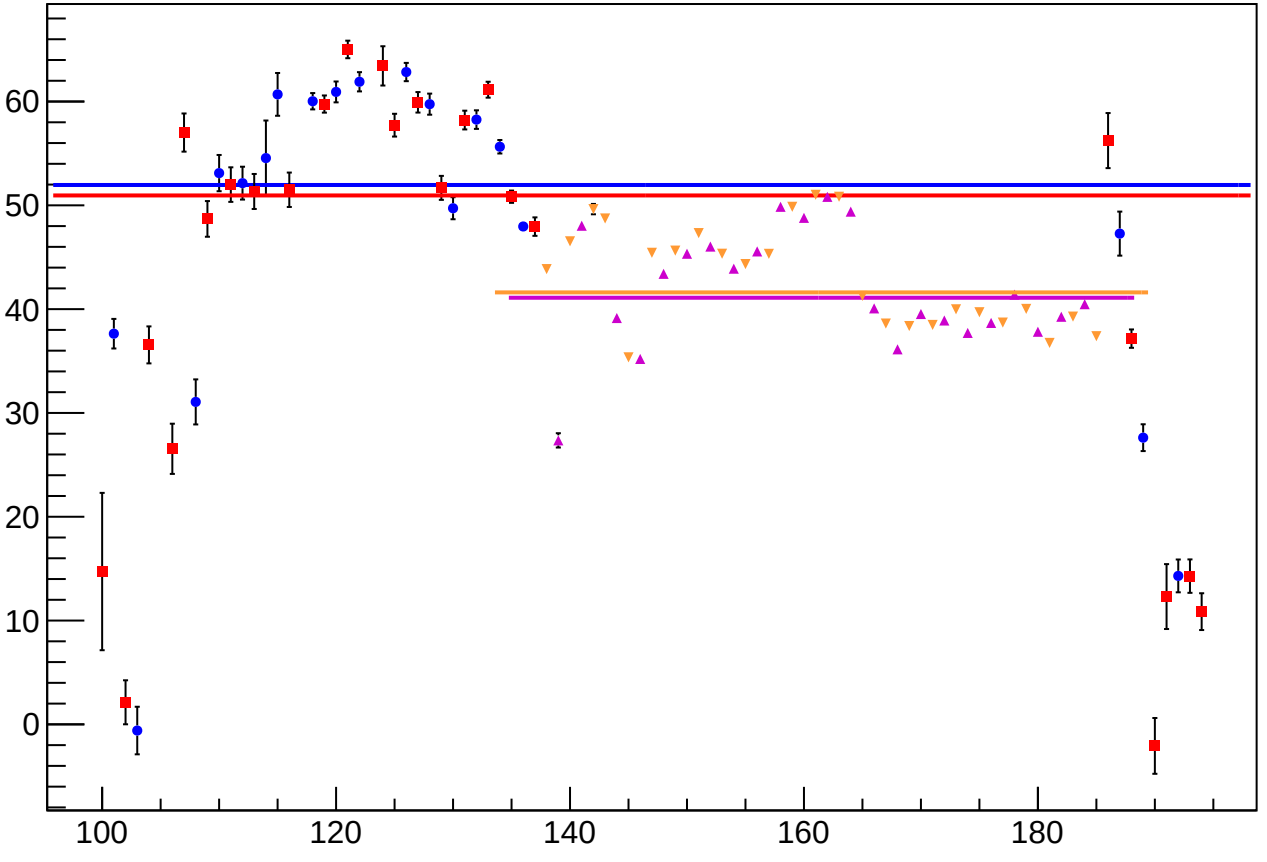
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.355+/-0.065 χ^2/NDF: 15176.2/43

All: 23.310+/-0.047 χ^2/NDF: 29934.6/91

- sign 23.264+/-0.066 χ^2/NDF: 14757.4/47

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: 50.953+/-0.238 χ^2/NDF: 3361.0/24

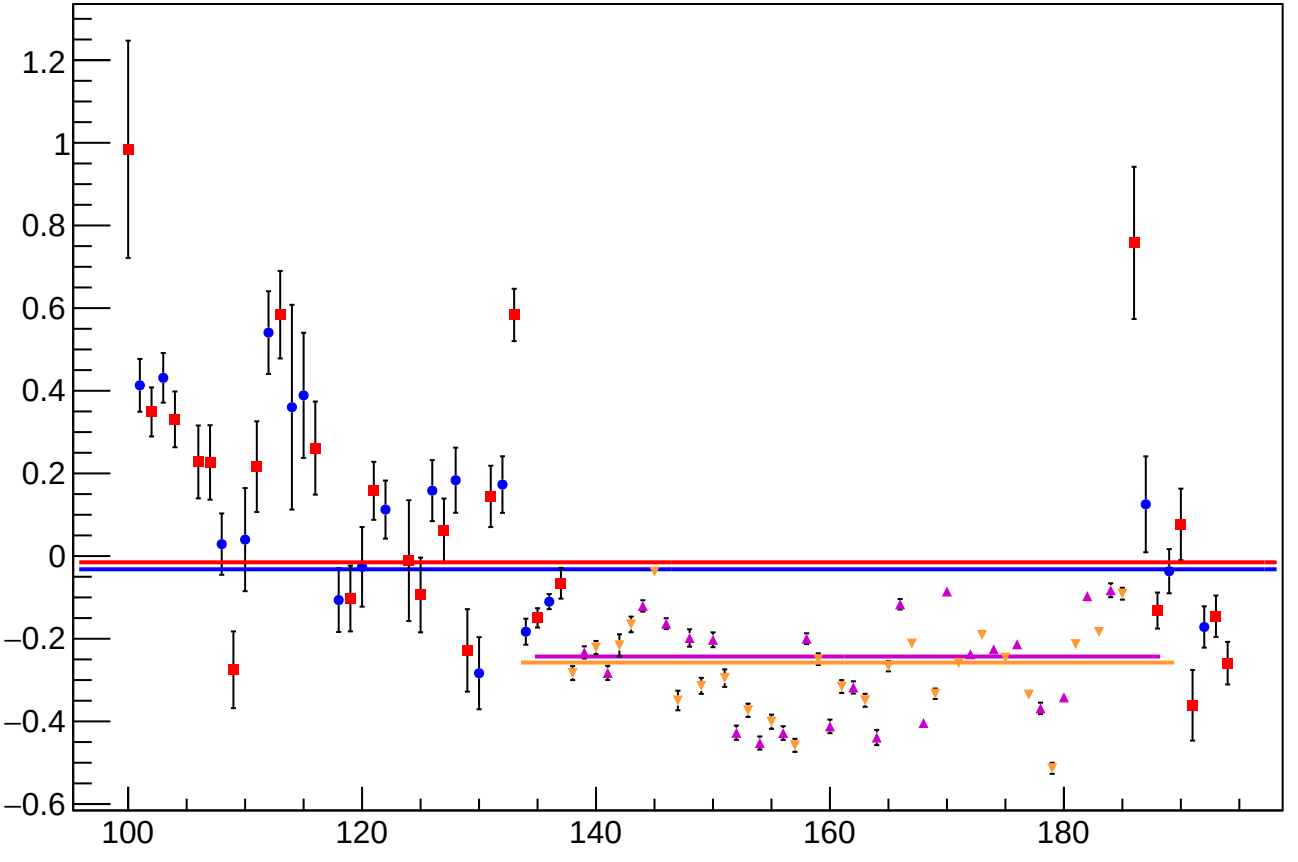
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.292+/-0.059 χ^2/NDF: 9994.0/43

All: 42.020+/-0.042 χ^2/NDF: 20475.7/91

- sign 41.735+/-0.061 χ^2/NDF: 10438.4/47

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: -0.015+/-0.012 χ^2/NDF: 357.5/24

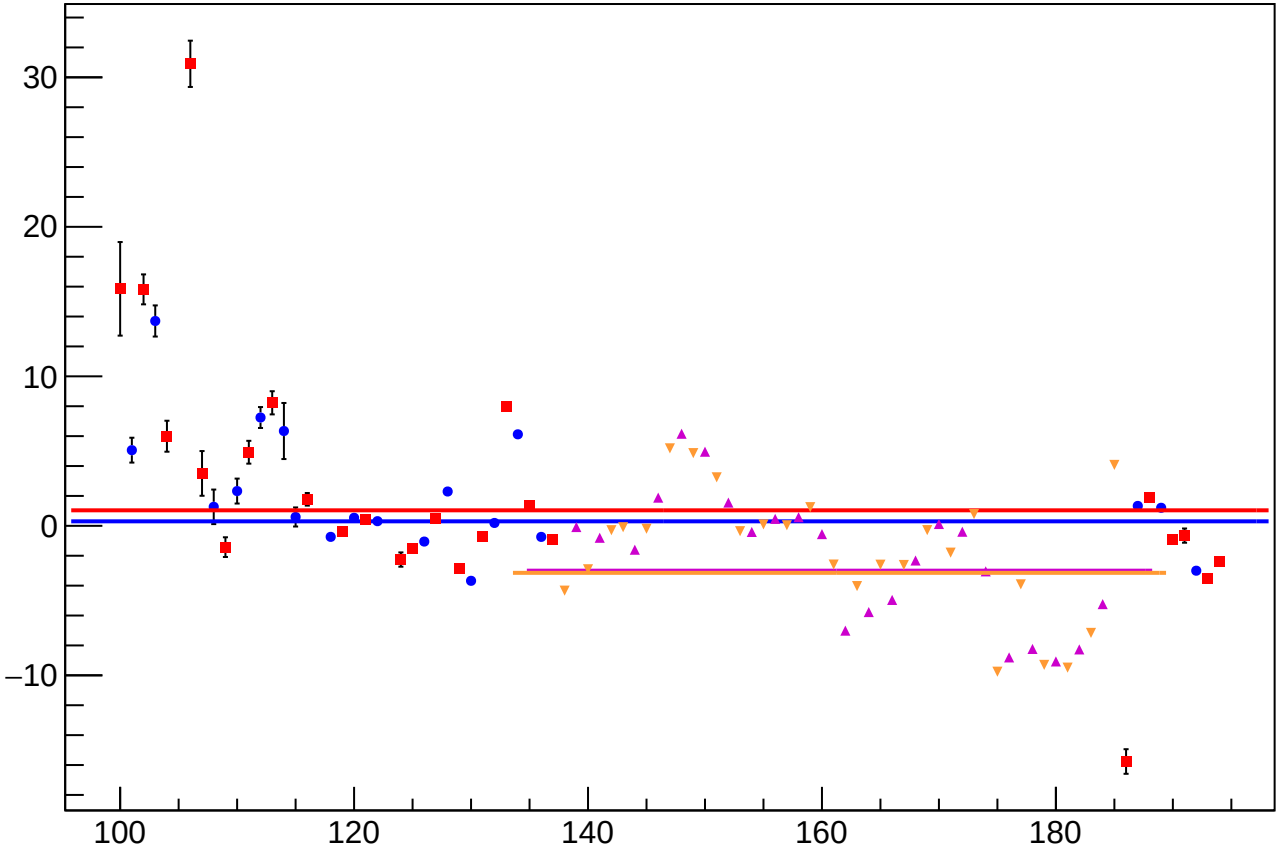
Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.247+/-0.003 χ^2/NDF: 2090.2/43

All: -0.240+/-0.002 χ^2/NDF: 4597.1/91

- sign -0.232+/-0.003 χ^2/NDF: 2492.3/47

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: 1.038+/-0.061 χ^2/NDF: 3327.0/24

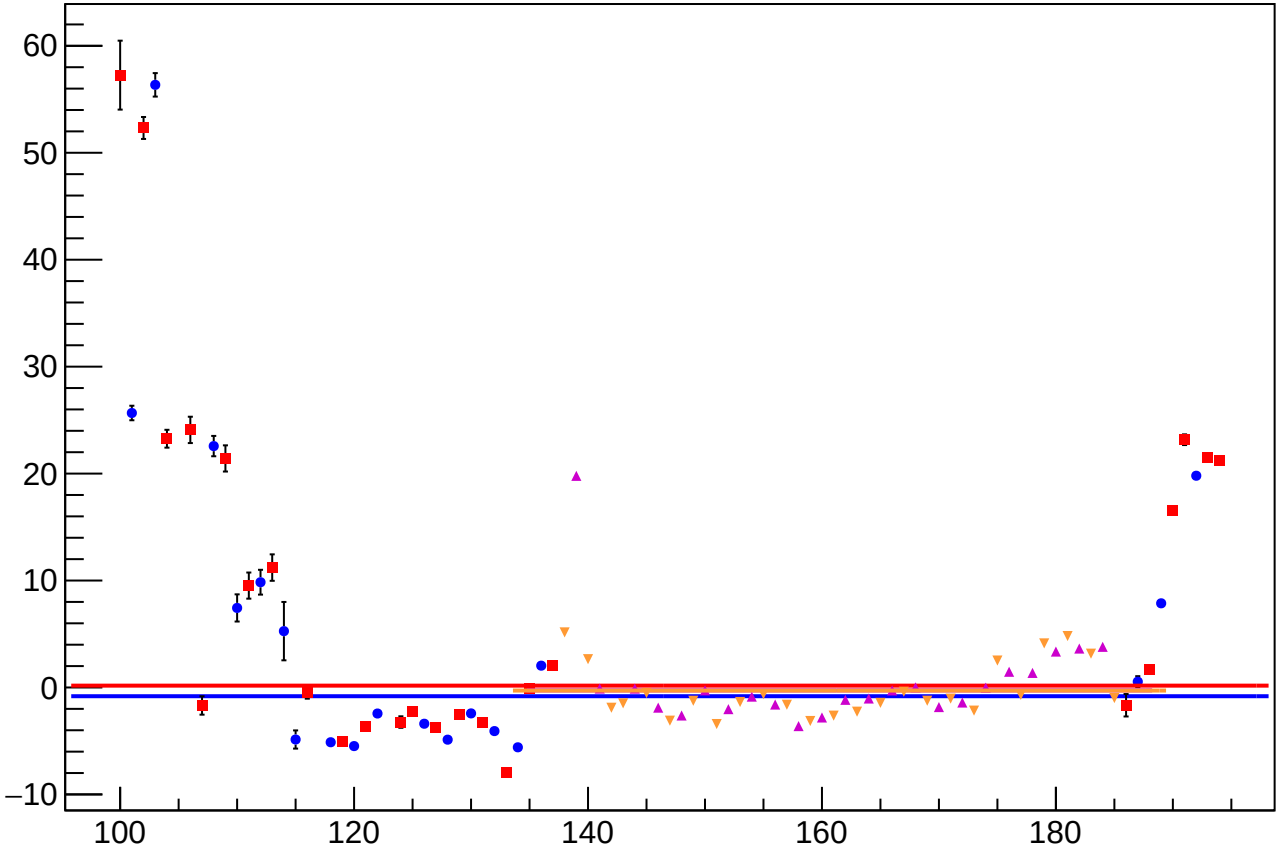
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.669+/-0.026 χ^2/NDF: 28753.8/43

All: -2.471+/-0.018 χ^2/NDF: 58244.5/91

- sign -2.273+/-0.026 χ^2/NDF: 29372.6/47

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

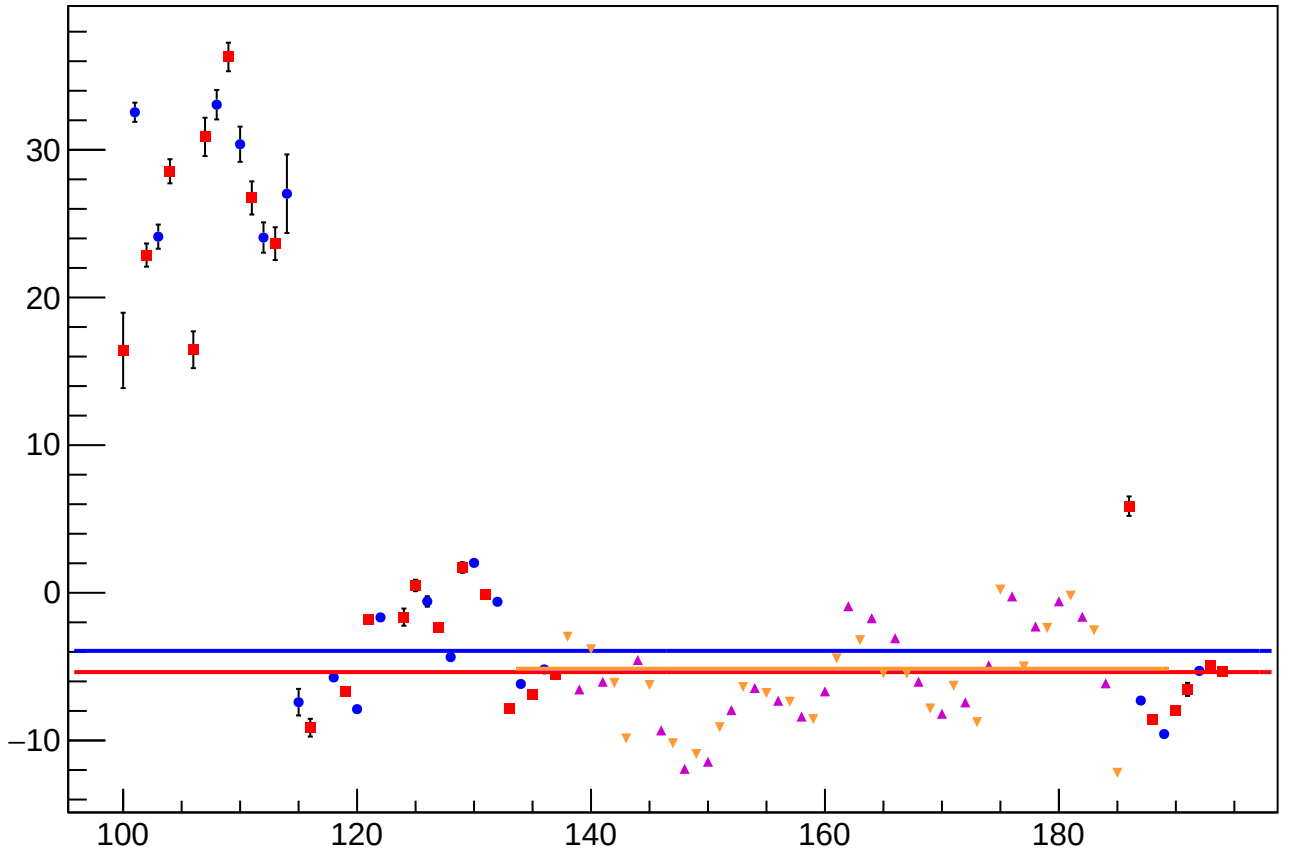
Right Out: 0.172+/-0.061 χ^2/NDF: 23931.0/24

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign -0.340+/-0.021 χ^2/NDF: 26280.5/43

All: -0.280+/-0.015 χ^2/NDF: 63495.4/91

- sign -0.219+/-0.021 χ^2/NDF: 37198.0/47



Right In: -3.932+/-0.071 χ^2/NDF: 9310.5/18

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.370+/-0.059 χ^2/NDF: 10460.3/24

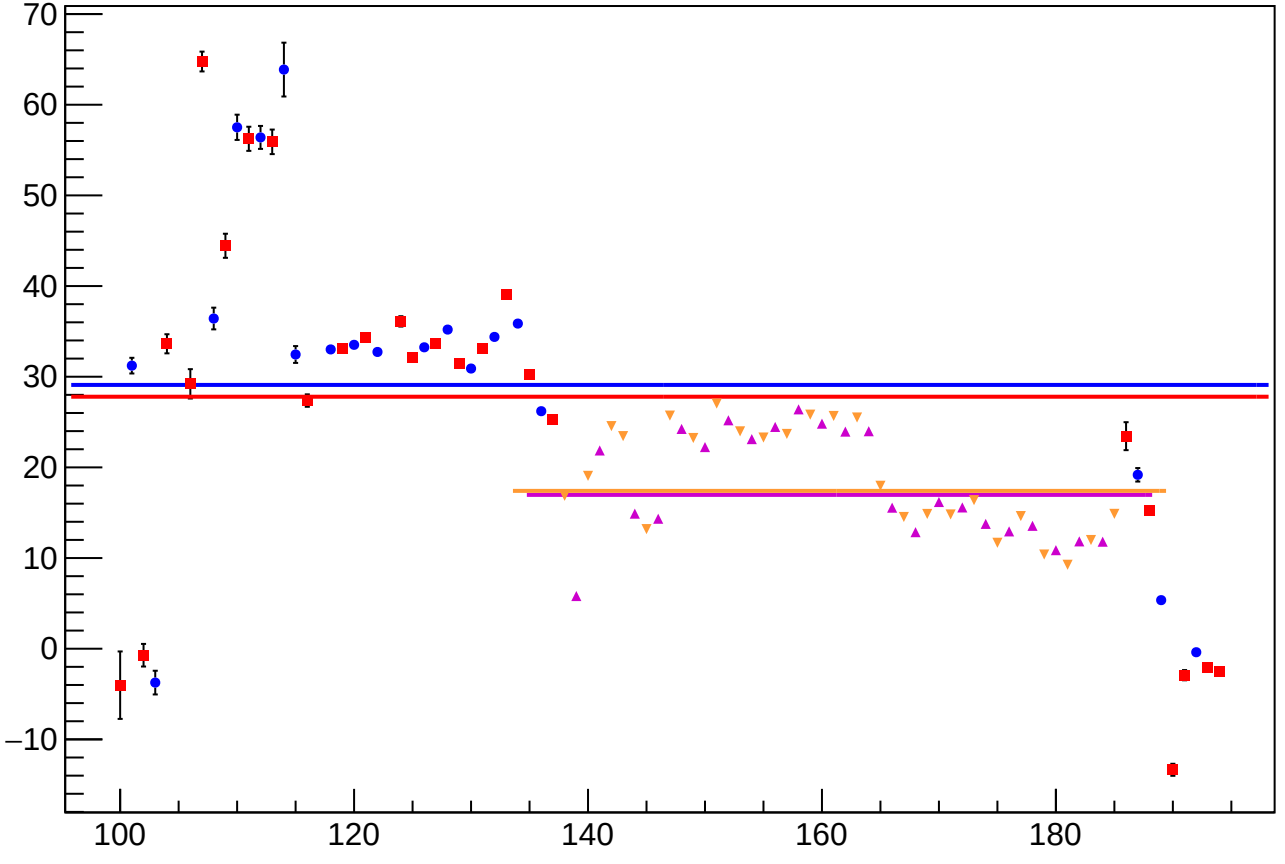
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.978+/-0.026 χ^2/NDF: 24186.9/43

All: -5.097+/-0.018 χ^2/NDF: 48661.8/91

- sign -5.214+/-0.026 χ^2/NDF: 24432.8/47

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: 27.794+/-0.073 χ^2/NDF: 34649.7/24

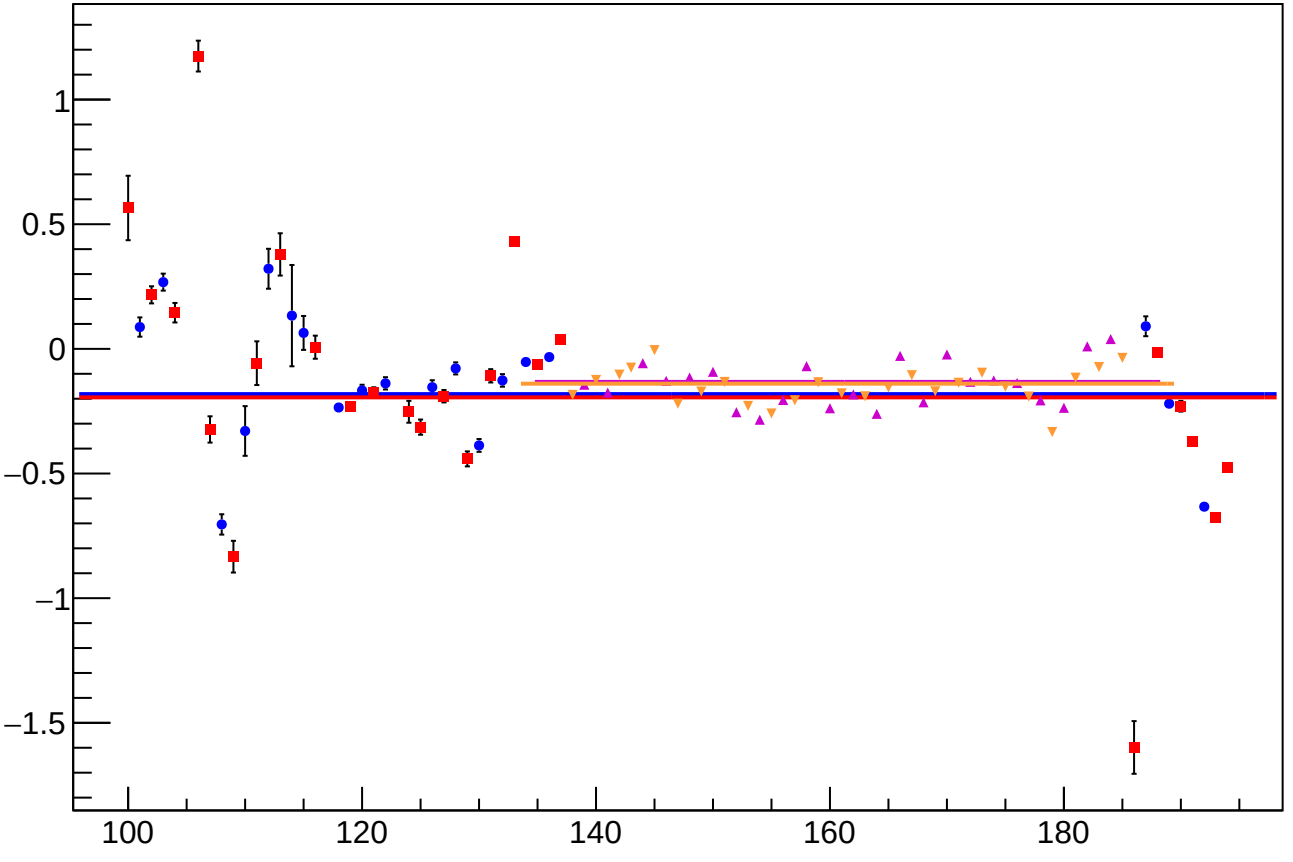
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 18.480+/-0.023 χ^2/NDF: 88073.2/43

All: 18.298+/-0.017 χ^2/NDF: 182578.7/91

- sign 18.111+/-0.024 χ^2/NDF: 94381.4/47

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: -0.195+/-0.004 χ^2/NDF: 6635.3/24

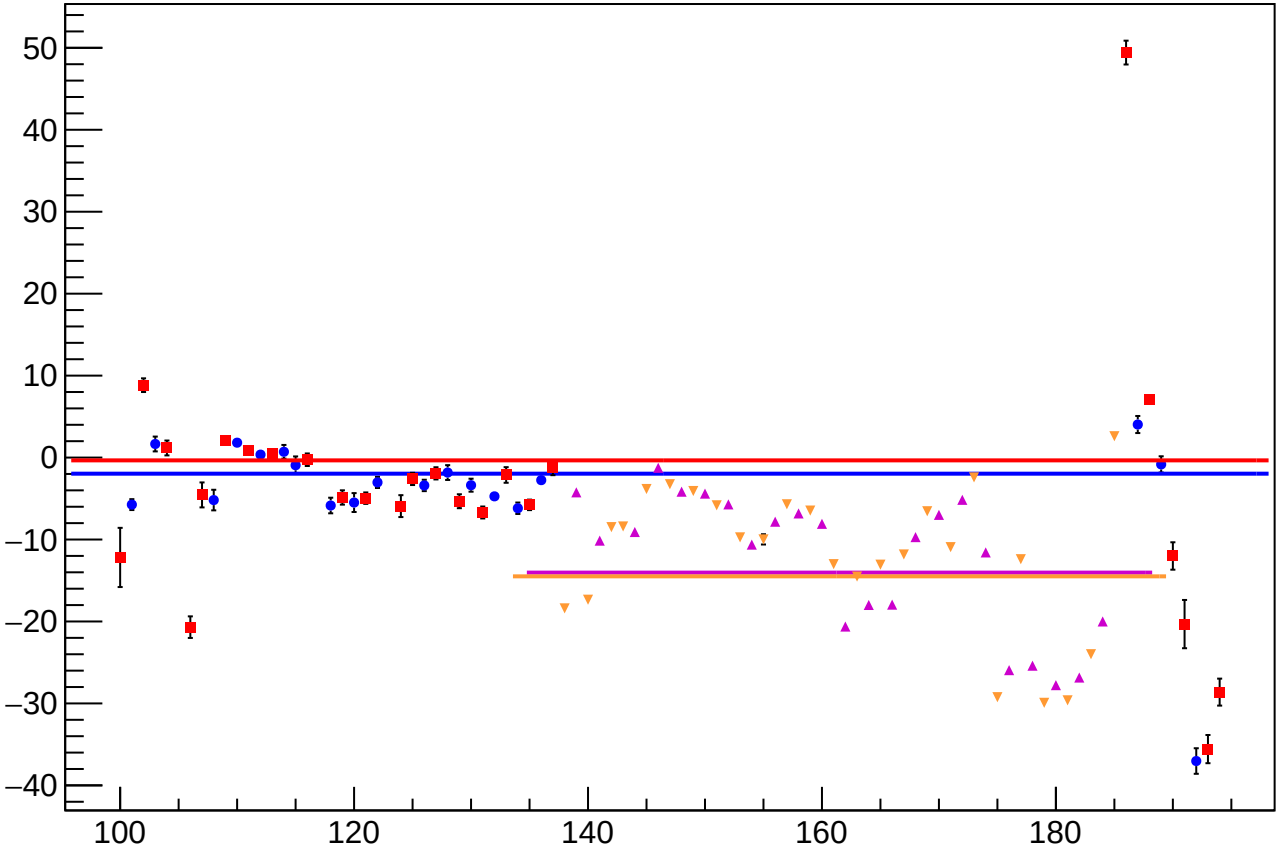
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.142+/-0.001 χ^2/NDF: 7302.6/43

All: -0.140+/-0.001 χ^2/NDF: 19727.5/91

- sign -0.137+/-0.001 χ^2/NDF: 12414.3/47

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: -0.341+/-0.141 χ^2/NDF: 2919.4/24

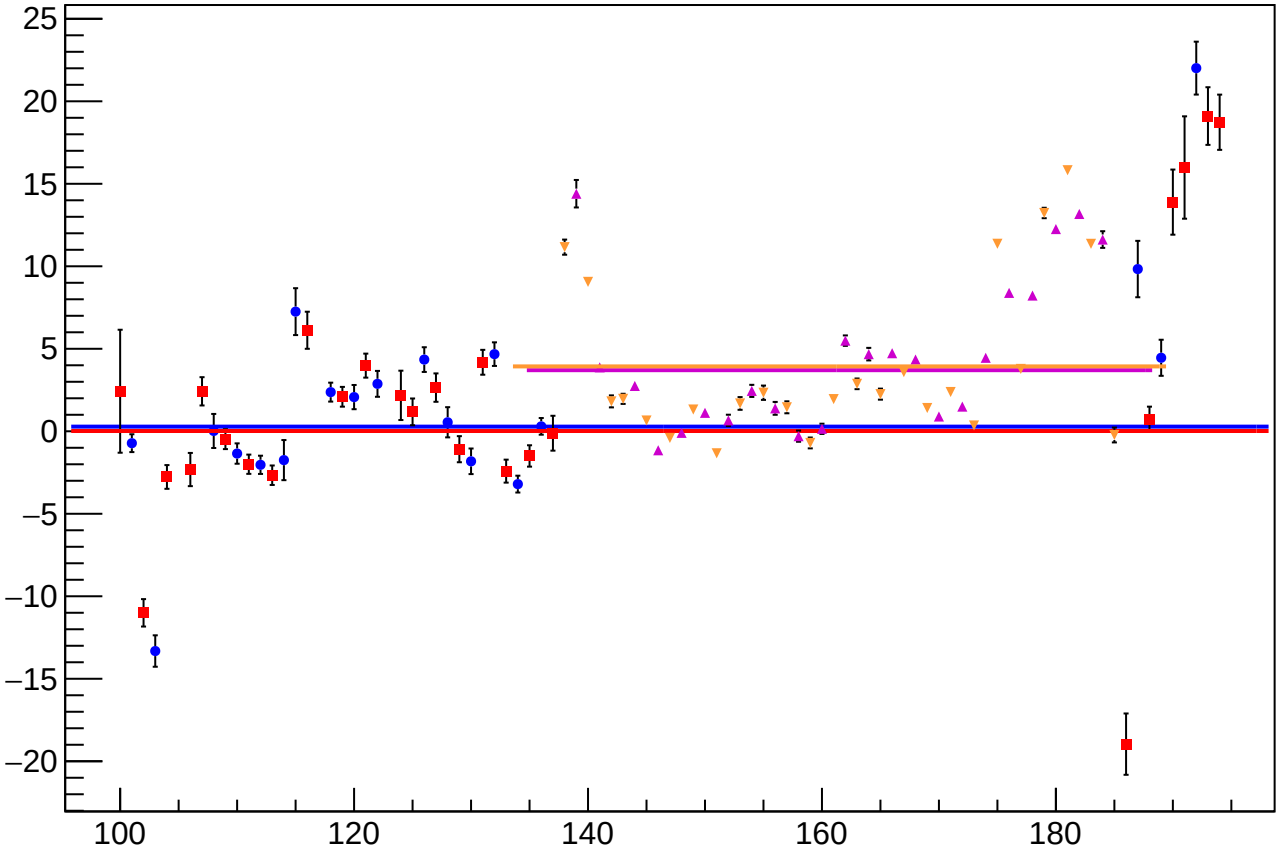
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

\+ sign -12.073+/-0.067 χ^2/NDF: 23498.9/43

All: -11.482+/-0.048 χ^2/NDF: 47372.9/91

\- sign -10.886+/-0.067 χ^2/NDF: 23718.4/47

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

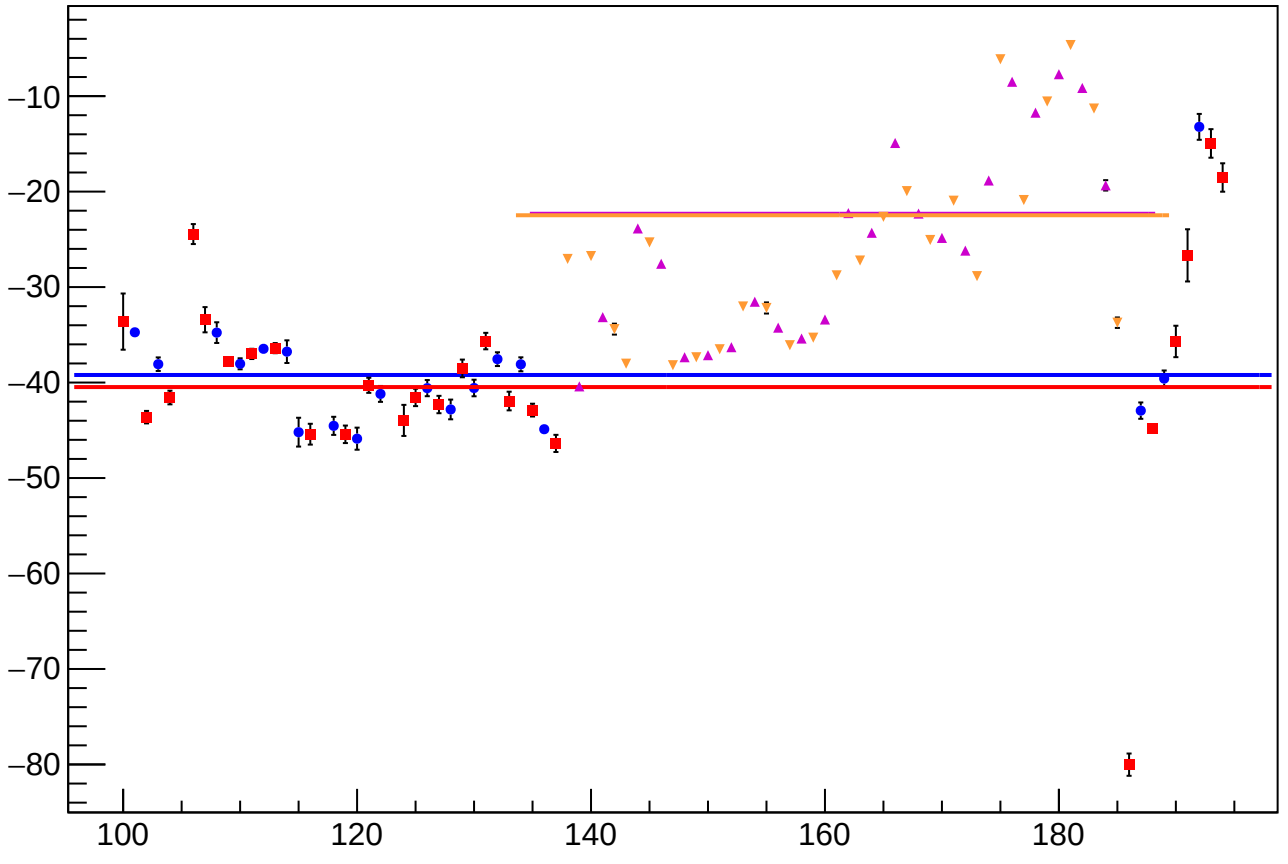
Right Out: 0.017+/-0.169 χ^2/NDF: 798.0/24

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.549+/-0.055 χ^2/NDF: 8035.9/43

All: 3.427+/-0.039 χ^2/NDF: 14055.5/91

- sign 3.300+/-0.056 χ^2/NDF: 6009.5/47



Right In: -39.207+/-0.171 χ^2/NDF: 798.3/18

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -40.473+/-0.162 χ^2/NDF: 2371.9/24

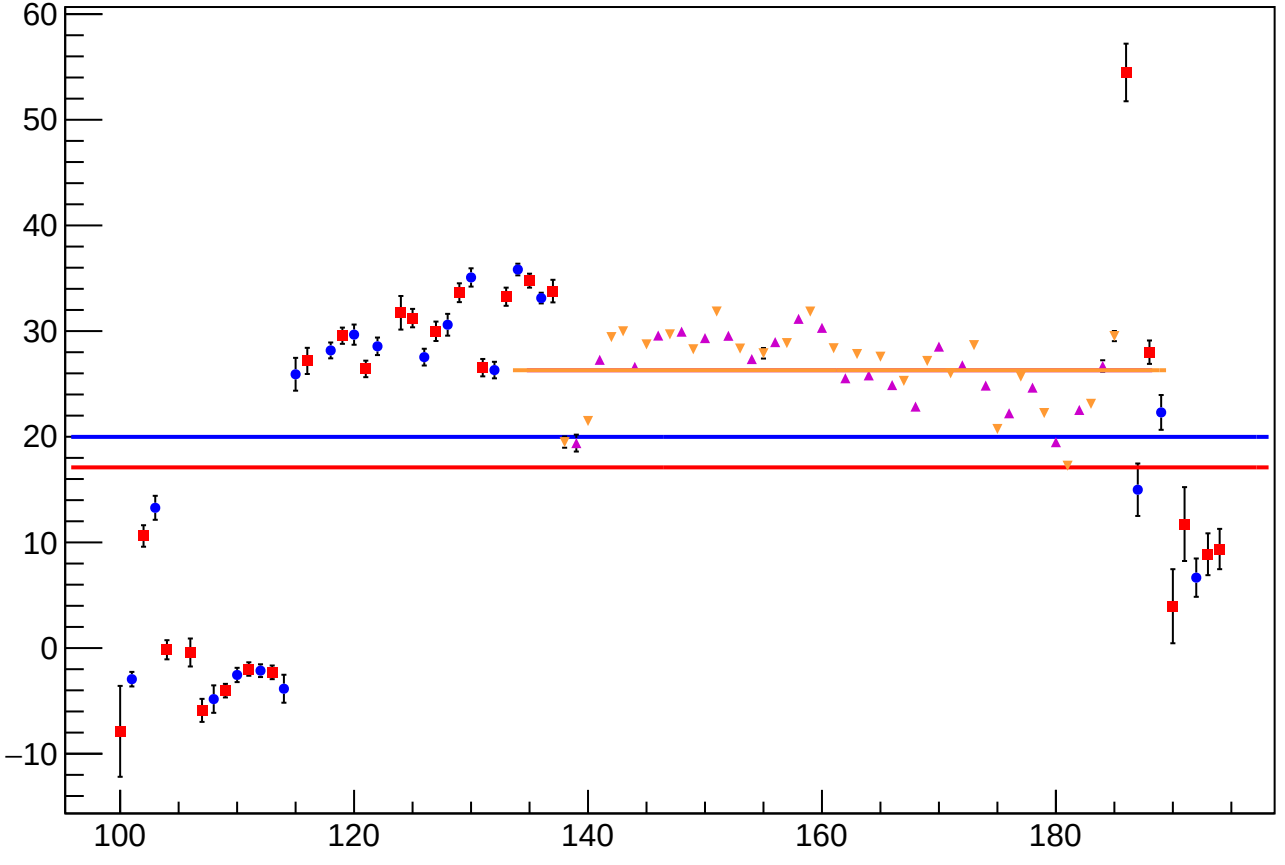
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

\+ sign -25.156+/-0.069 χ^2/NDF: 29226.4/43

All: -25.394+/-0.049 χ^2/NDF: 59018.2/91

\- sign -25.637+/-0.069 χ^2/NDF: 29767.4/47

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: 17.102+/-0.193 χ^2/NDF: 7076.9/24

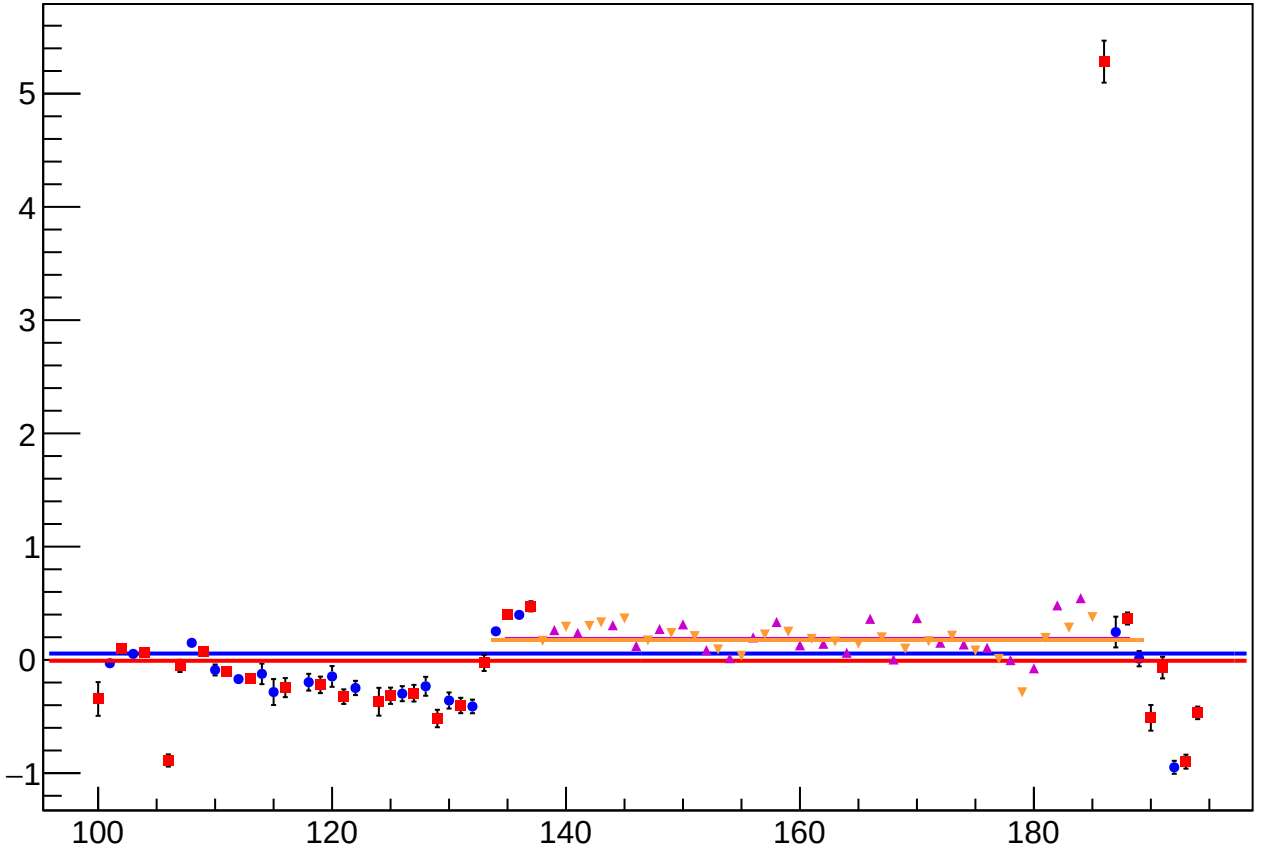
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.644+/-0.062 χ^2/NDF: 11023.8/43

All: 25.484+/-0.044 χ^2/NDF: 22317.3/91

- sign 25.318+/-0.063 χ^2/NDF: 11279.9/47

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: -0.008+/-0.010 χ^2/NDF: 1999.9/24

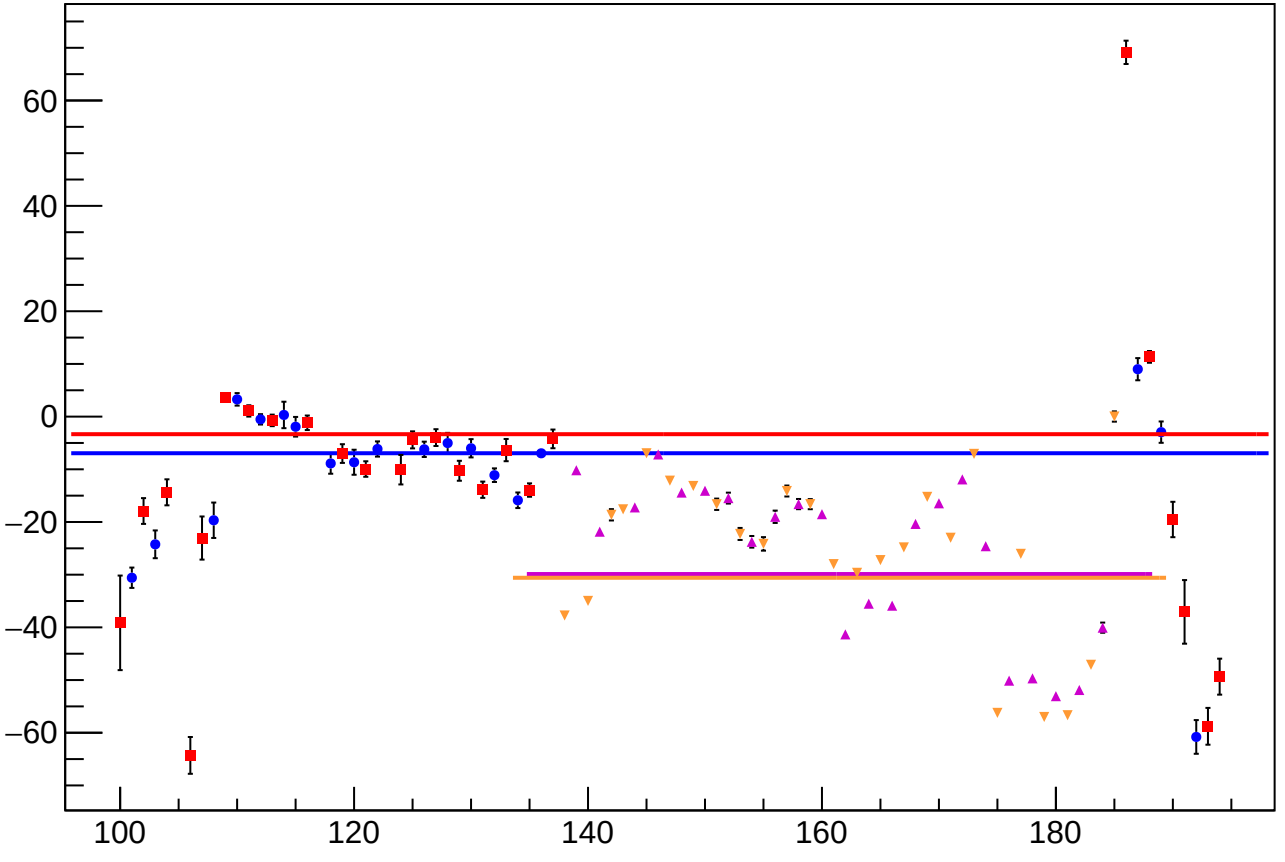
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.166+/-0.003 χ^2/NDF: 2947.6/43

All: 0.168+/-0.002 χ^2/NDF: 7809.6/91

- sign 0.170+/-0.003 χ^2/NDF: 4861.1/47

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: -3.334+/-0.340 χ^2/NDF: 2373.6/24

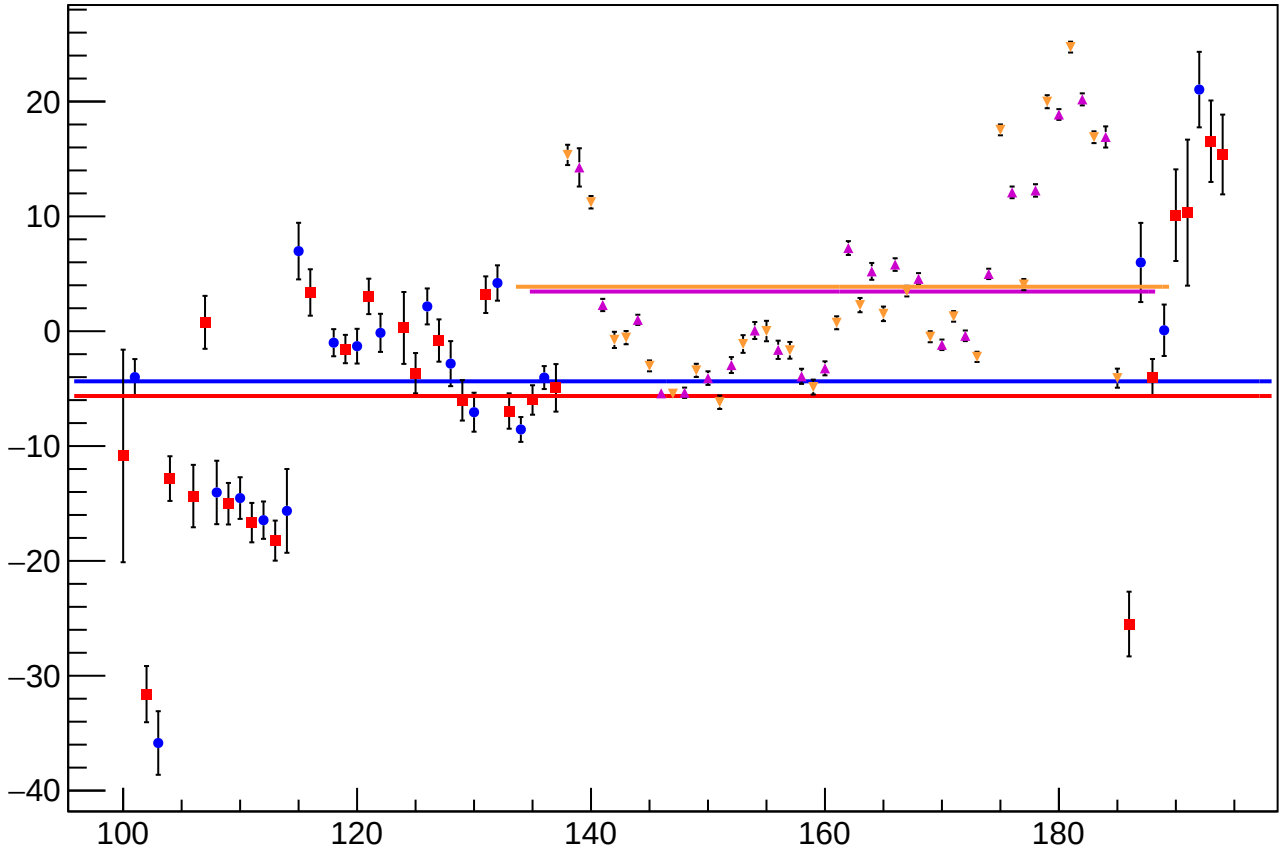
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

\+ sign -27.421+/-0.132 χ^2/NDF: 20485.5/43

All: -26.593+/-0.094 χ^2/NDF: 40111.7/91

\- sign -25.739+/-0.134 χ^2/NDF: 19546.6/47

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: -5.643+/-0.391 χ^2/NDF: 519.2/24

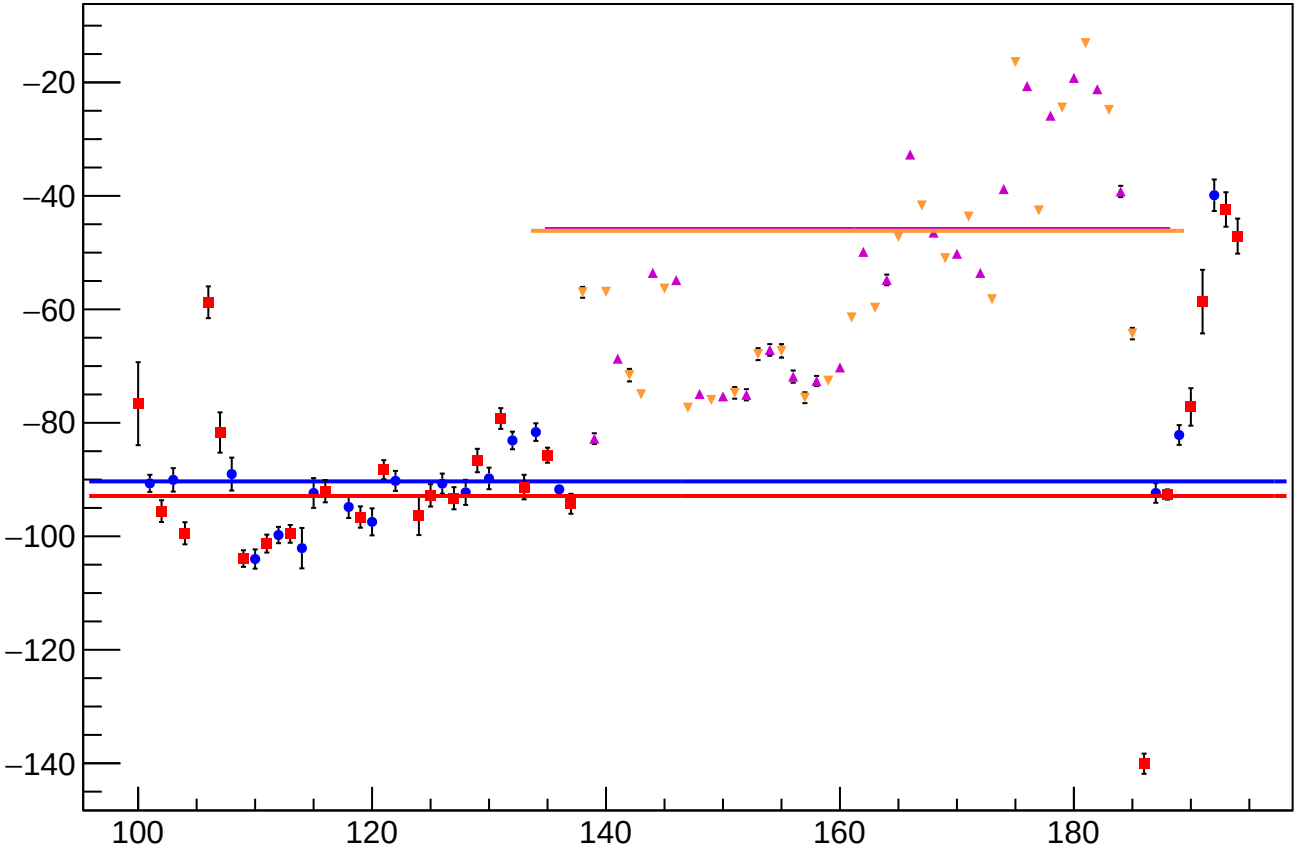
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.236+/-0.107 χ^2/NDF: 7383.1/43

All: 2.995+/-0.076 χ^2/NDF: 13105.5/91

- sign 2.744+/-0.109 χ^2/NDF: 5712.1/47

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: -92.892+/-0.376 χ^2/NDF: 1650.0/24

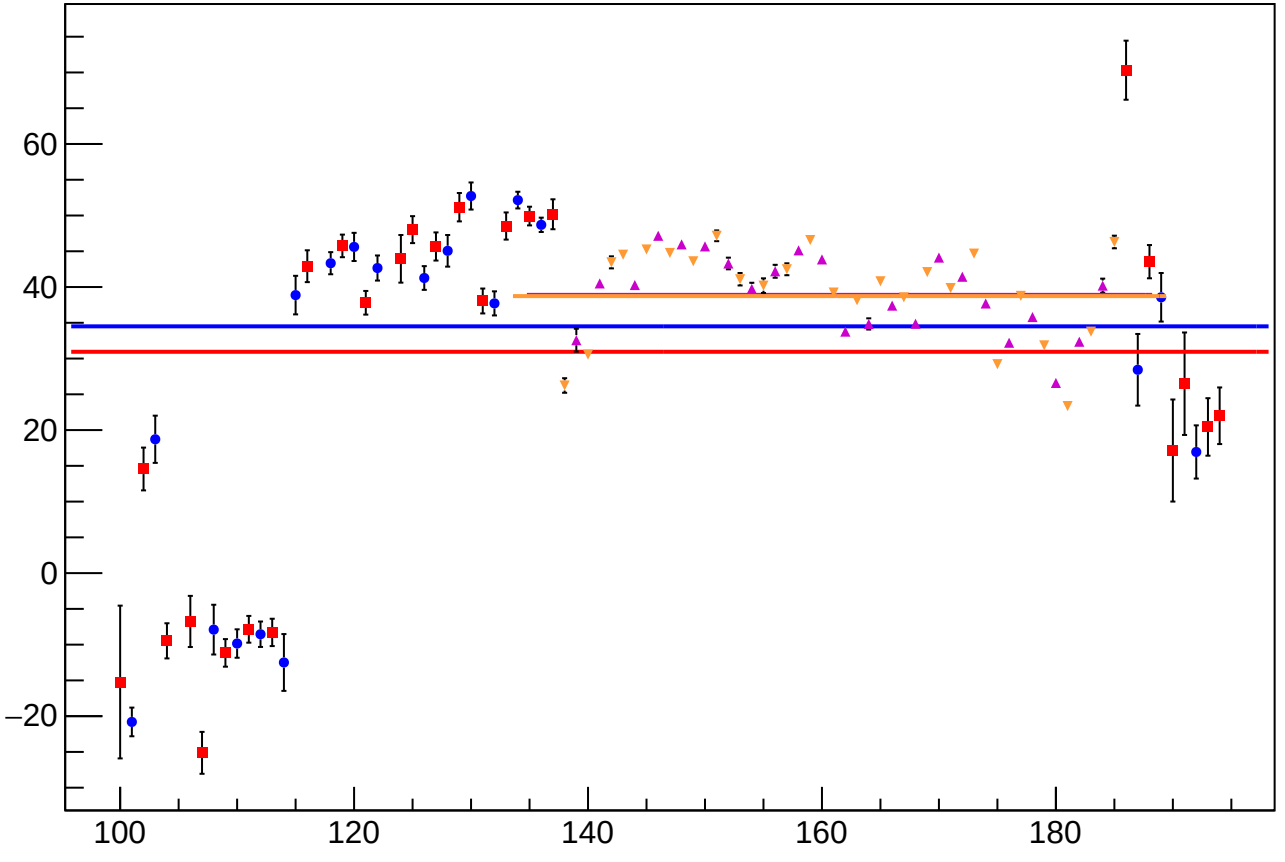
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -51.195+/-0.134 χ^2/NDF: 32980.1/43

All: -51.593+/-0.096 χ^2/NDF: 66189.5/91

- sign -52.002+/-0.136 χ^2/NDF: 33191.6/47

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: 30.947+/-0.448 χ^2/NDF: 3049.6/24

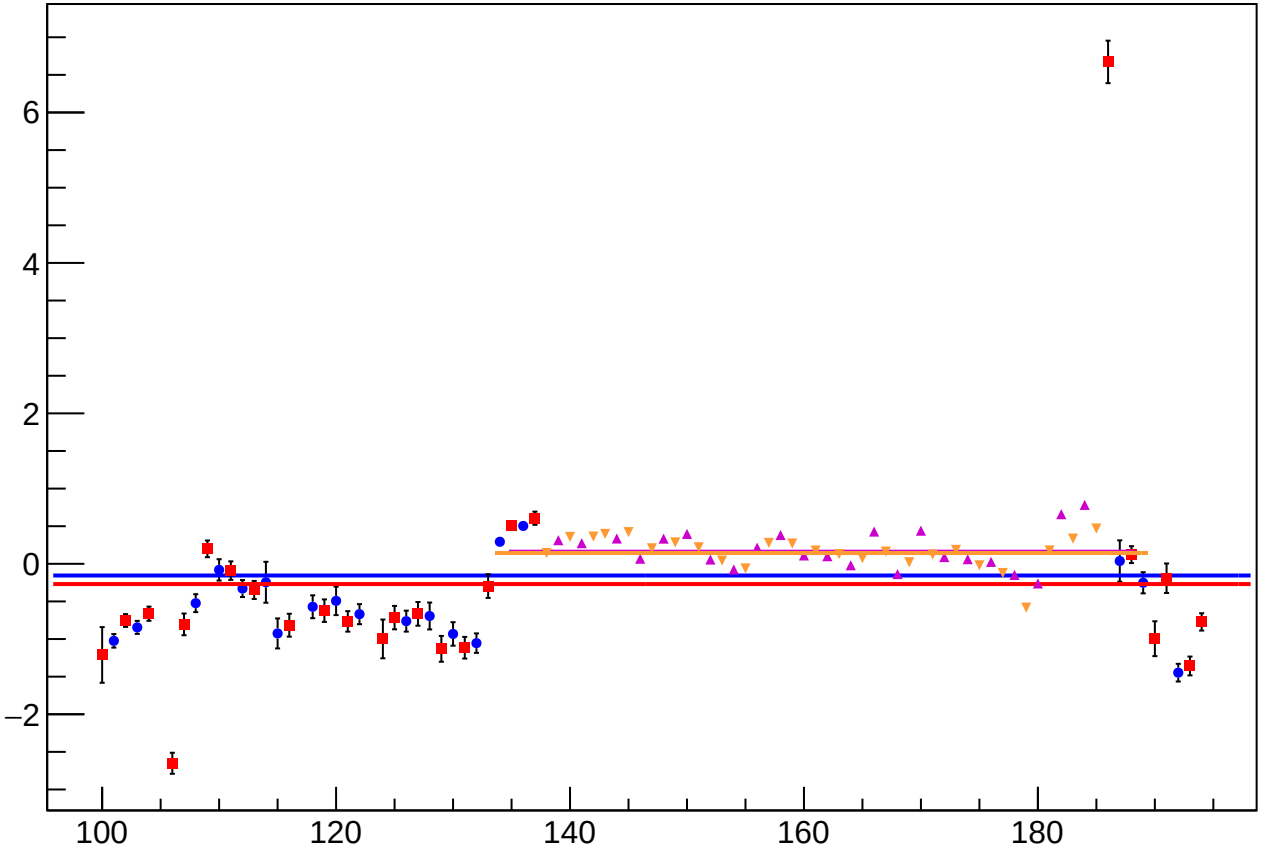
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

\+ sign 38.408+/-0.120 χ^2/NDF: 5704.1/43

All: 38.359+/-0.086 χ^2/NDF: 11018.1/91

\- sign 38.308+/-0.123 χ^2/NDF: 5313.6/47

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

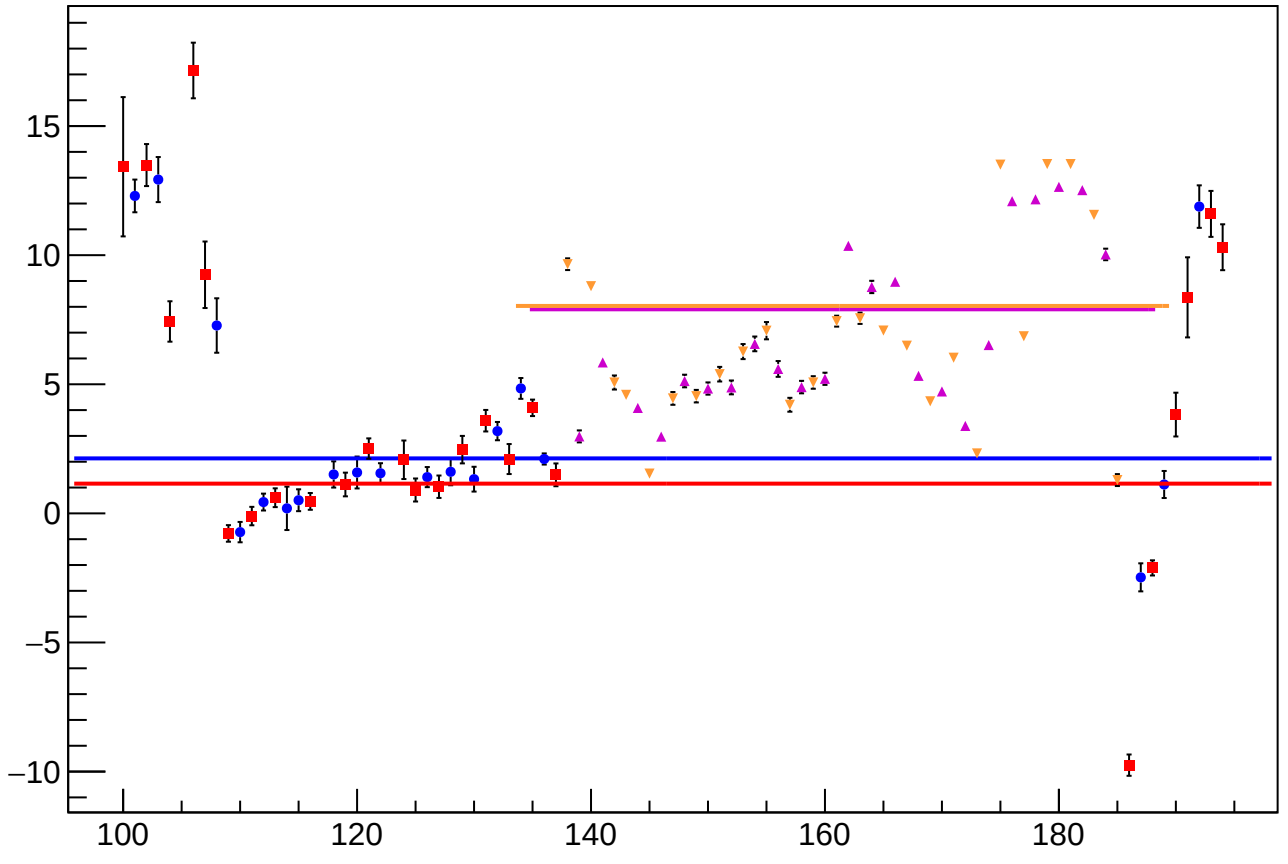
Right Out: -0.269+/-0.024 χ^2/NDF: 1543.3/24

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

\+ sign 0.127+/-0.005 χ^2/NDF: 2358.7/43

All: 0.133+/-0.004 χ^2/NDF: 6124.3/91

\- sign 0.139+/-0.006 χ^2/NDF: 3763.5/47



Right In: 2.130+/-0.100 χ^2/NDF: 815.7/18

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.152+/-0.095 χ^2/NDF: 1870.2/24

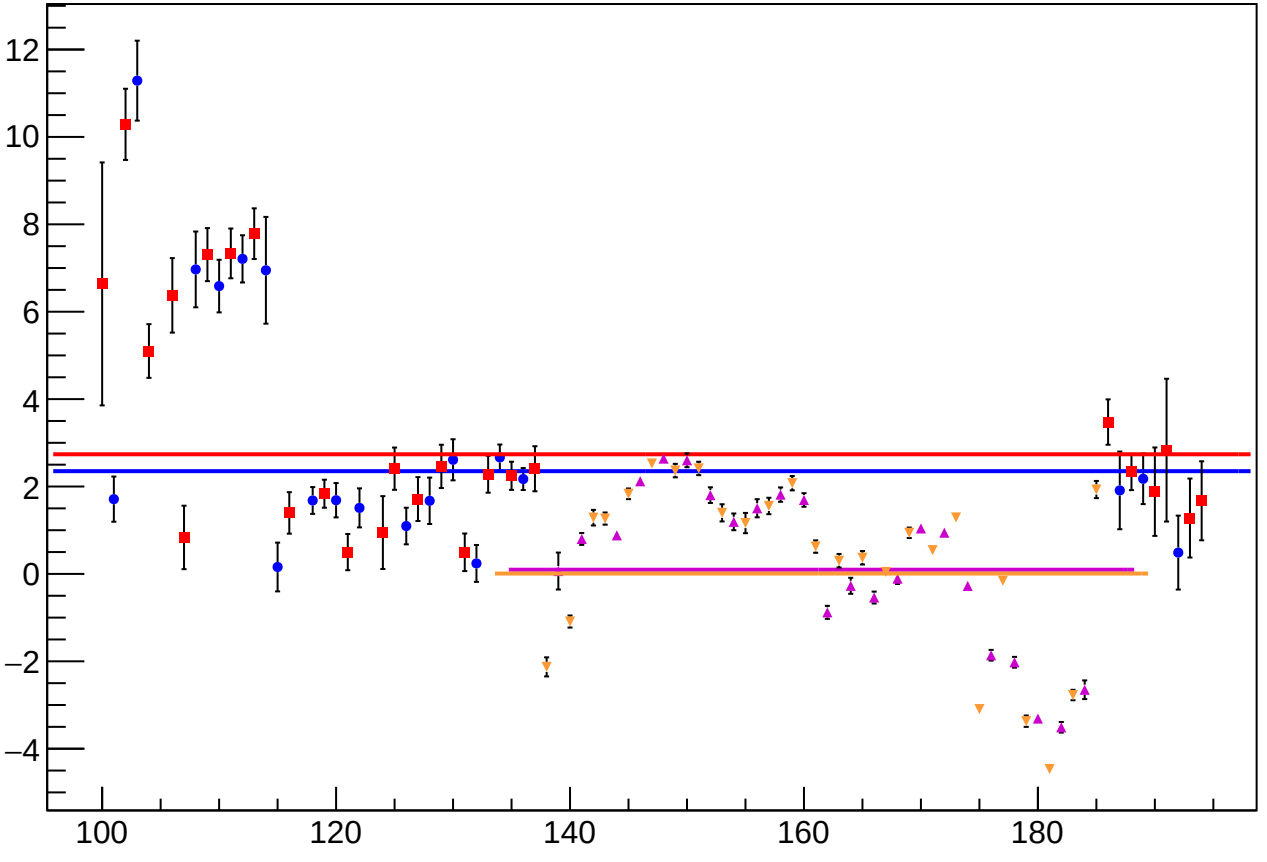
Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.403+/-0.033 χ^2/NDF: 17829.7/43

All: 7.234+/-0.023 χ^2/NDF: 34226.7/91

- sign 7.057+/-0.033 χ^2/NDF: 16342.6/47

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: 2.738+/-0.107 χ^2/NDF: 418.8/24

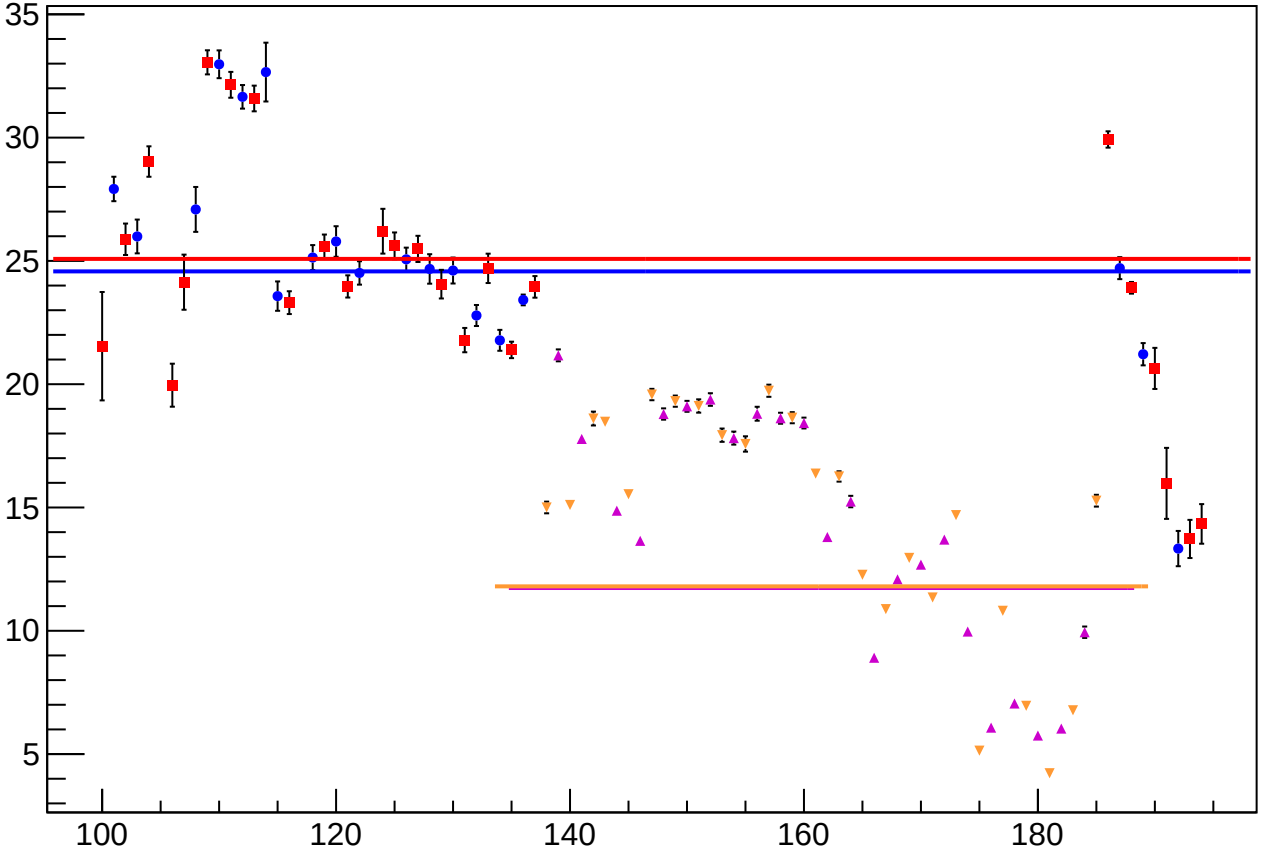
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.159+/-0.027 χ^2/NDF: 6566.9/43

All: 0.212+/-0.019 χ^2/NDF: 11999.8/91

- sign 0.268+/-0.027 χ^2/NDF: 5424.8/47

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

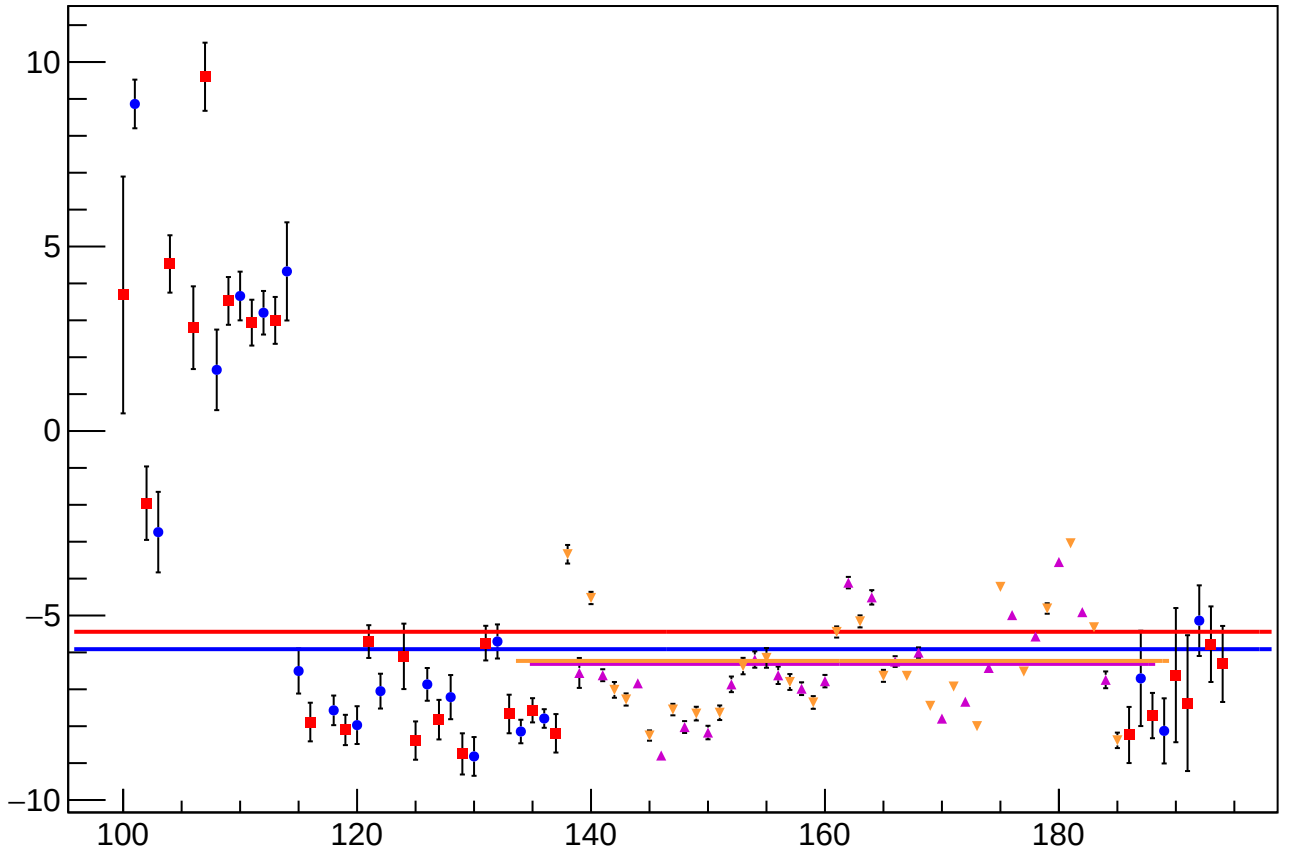
Right Out: 25.081+/-0.101 χ^2/NDF: 1587.2/24

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 12.987+/-0.033 χ^2/NDF: 34896.0/43

All: 13.098+/-0.024 χ^2/NDF: 69891.8/91

- sign 13.213+/-0.034 χ^2/NDF: 34973.0/47



Right In: -5.912+/-0.118 χ^2/NDF: 1258.8/18

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.441+/-0.123 χ^2/NDF: 1324.3/24

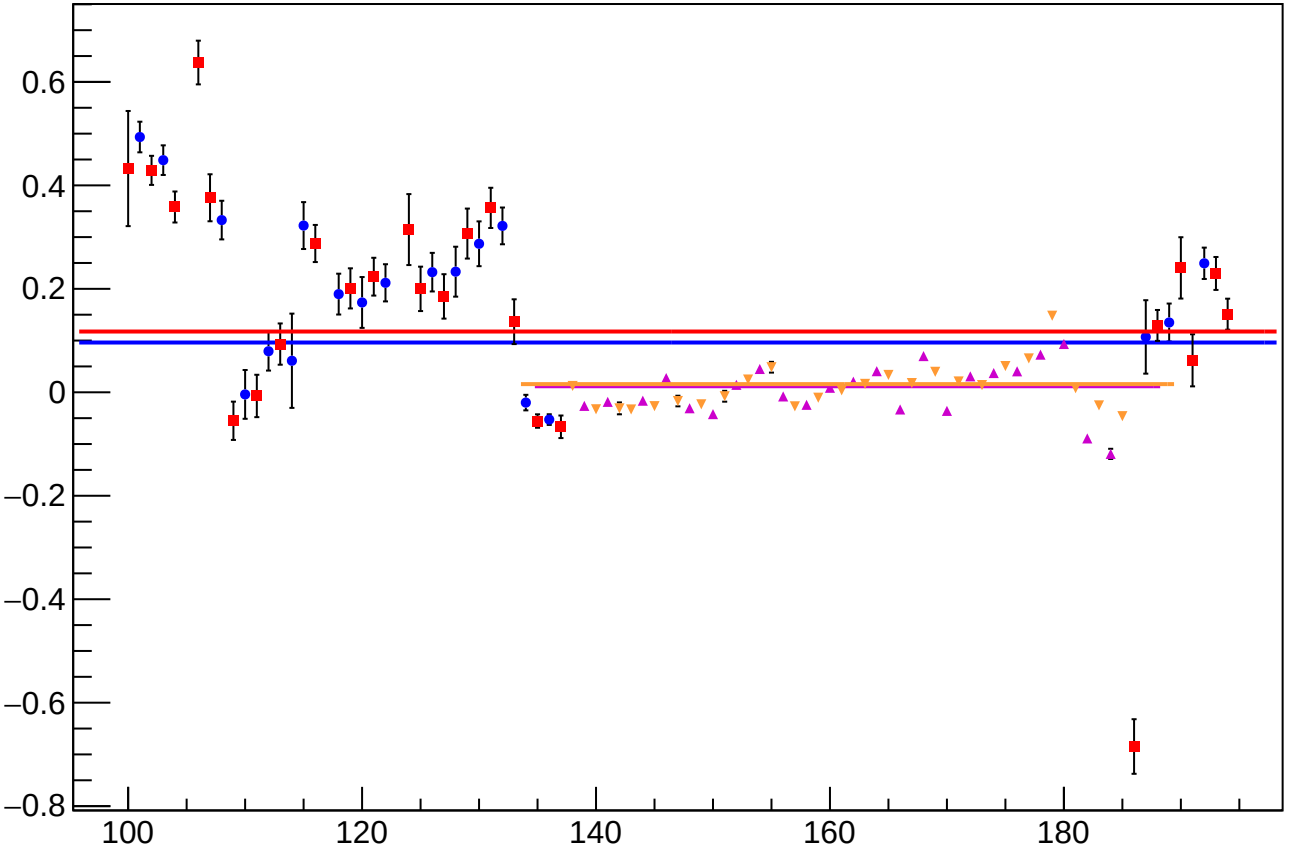
Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.210+/-0.030 χ^2/NDF: 3715.7/43

All: -6.233+/-0.021 χ^2/NDF: 7118.6/91

- sign -6.258+/-0.030 χ^2/NDF: 3401.7/47

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: 0.117+/-0.007 χ^2/NDF: 1013.5/24

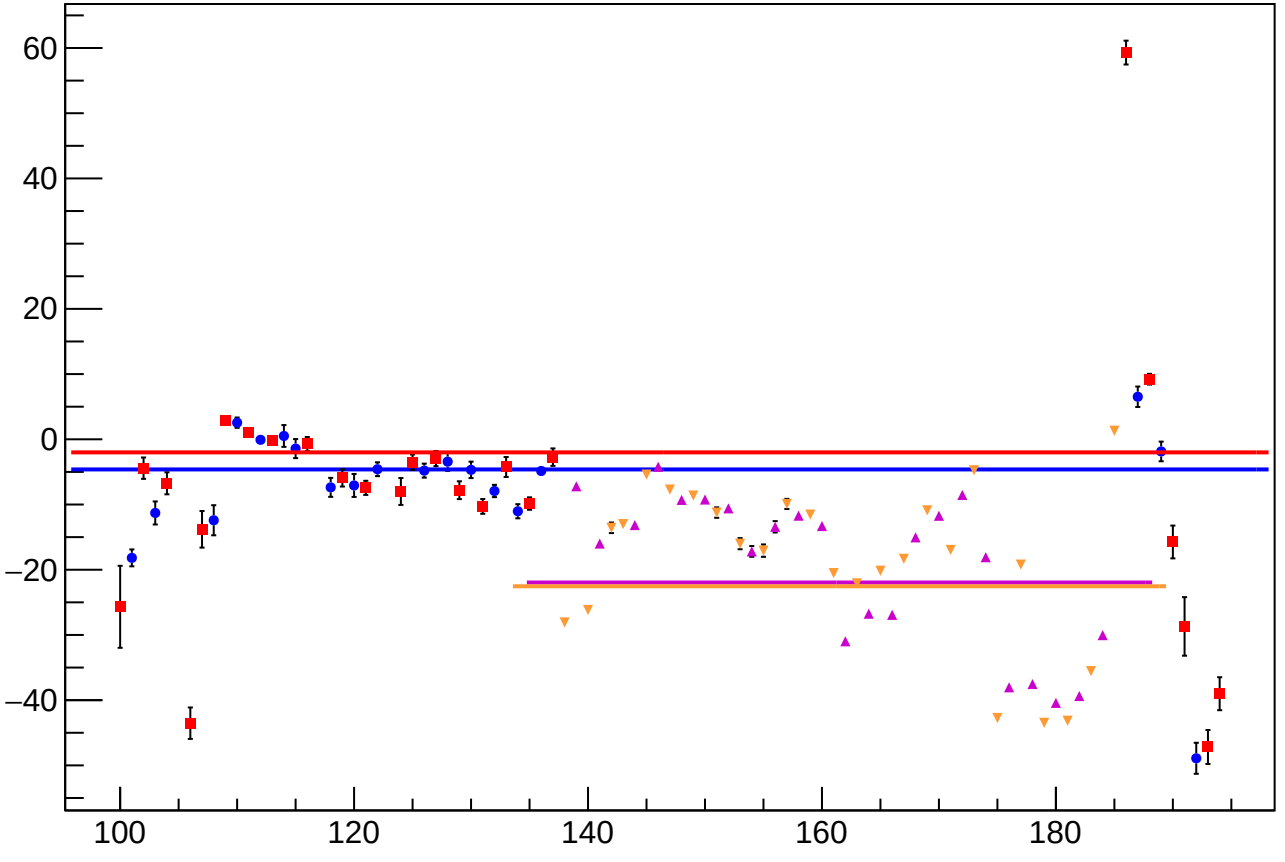
Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.019+/-0.001 χ^2/NDF: 1884.4/43

All: 0.018+/-0.001 χ^2/NDF: 4443.0/91

- sign 0.016+/-0.001 χ^2/NDF: 2555.9/47

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -4.621+/-0.259 χ^2/NDF: 733.0/18

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

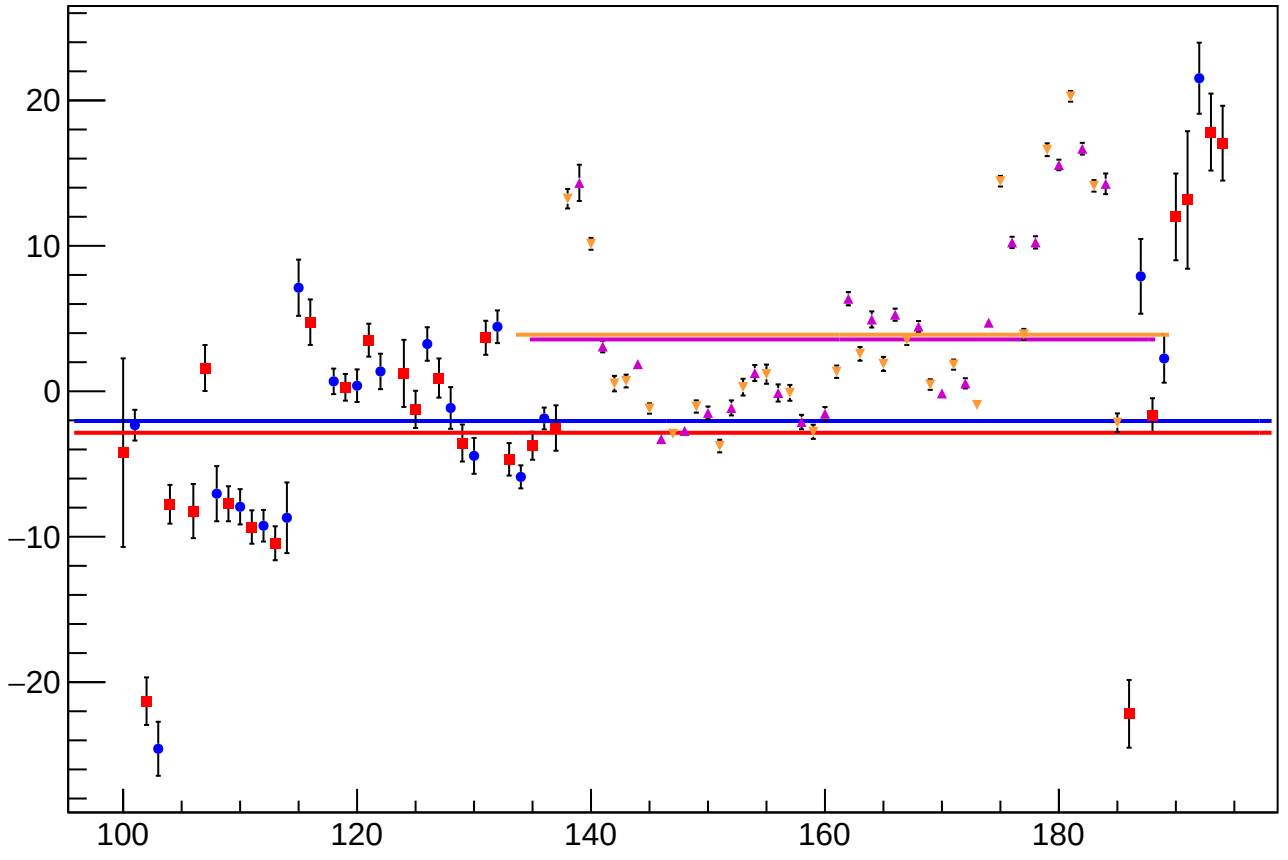
Right Out: -2.005+/-0.243 χ^2/NDF: 2501.8/24

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.880+/-0.100 χ^2/NDF: 21347.9/43

All: -19.196+/-0.071 χ^2/NDF: 42121.0/91

- sign -18.494+/-0.101 χ^2/NDF: 20677.8/47



Right In: -2.043+/-0.278 χ^2/NDF: 470.5/18

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

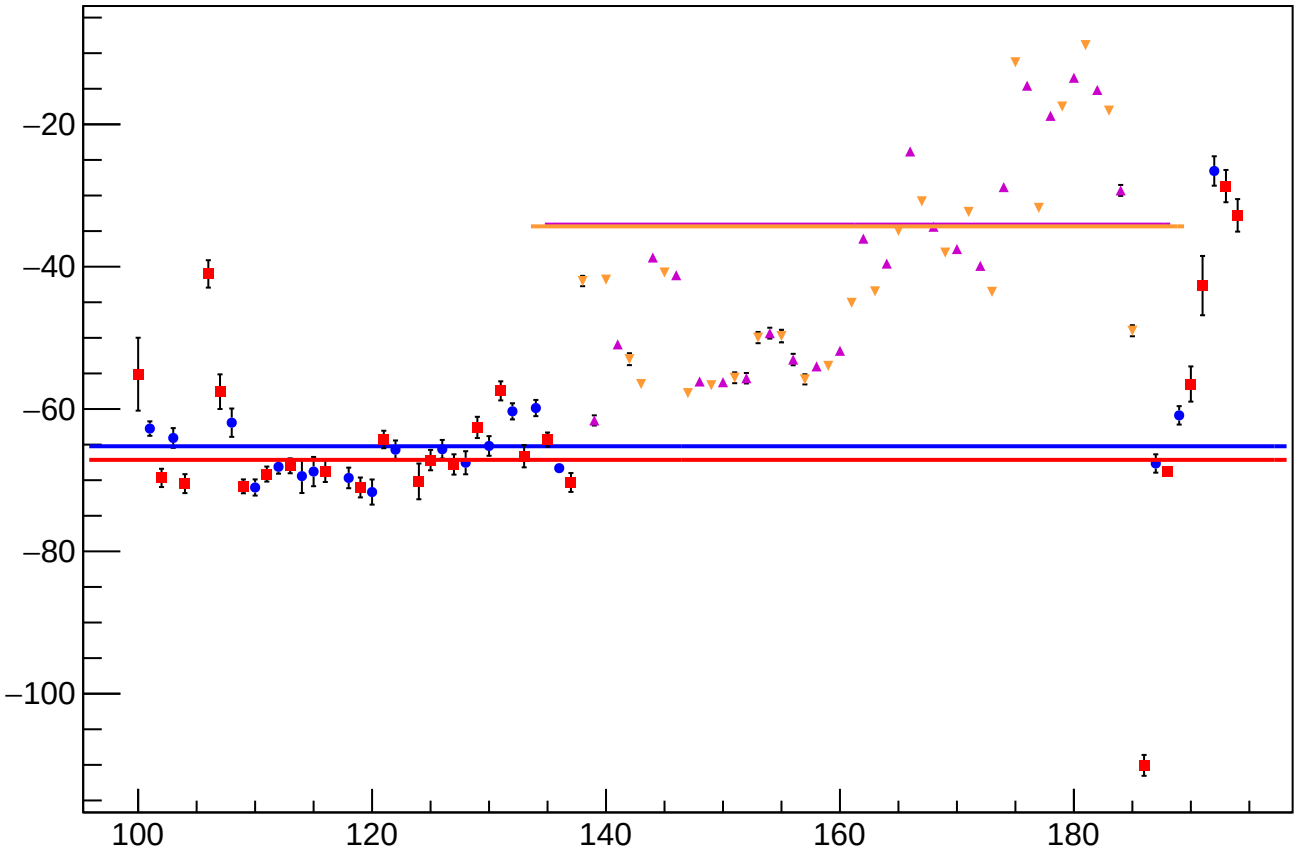
Right Out: -2.852+/-0.282 χ^2/NDF: 589.7/24

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

\+ sign 3.392+/-0.081 χ^2/NDF: 7611.6/43

All: 3.209+/-0.058 χ^2/NDF: 13425.2/91

\- sign 3.017+/-0.082 χ^2/NDF: 5802.9/47



Right In: -65.232+/-0.286 χ^2/NDF: 503.7/18

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -67.143+/-0.271 χ^2/NDF: 1755.7/24

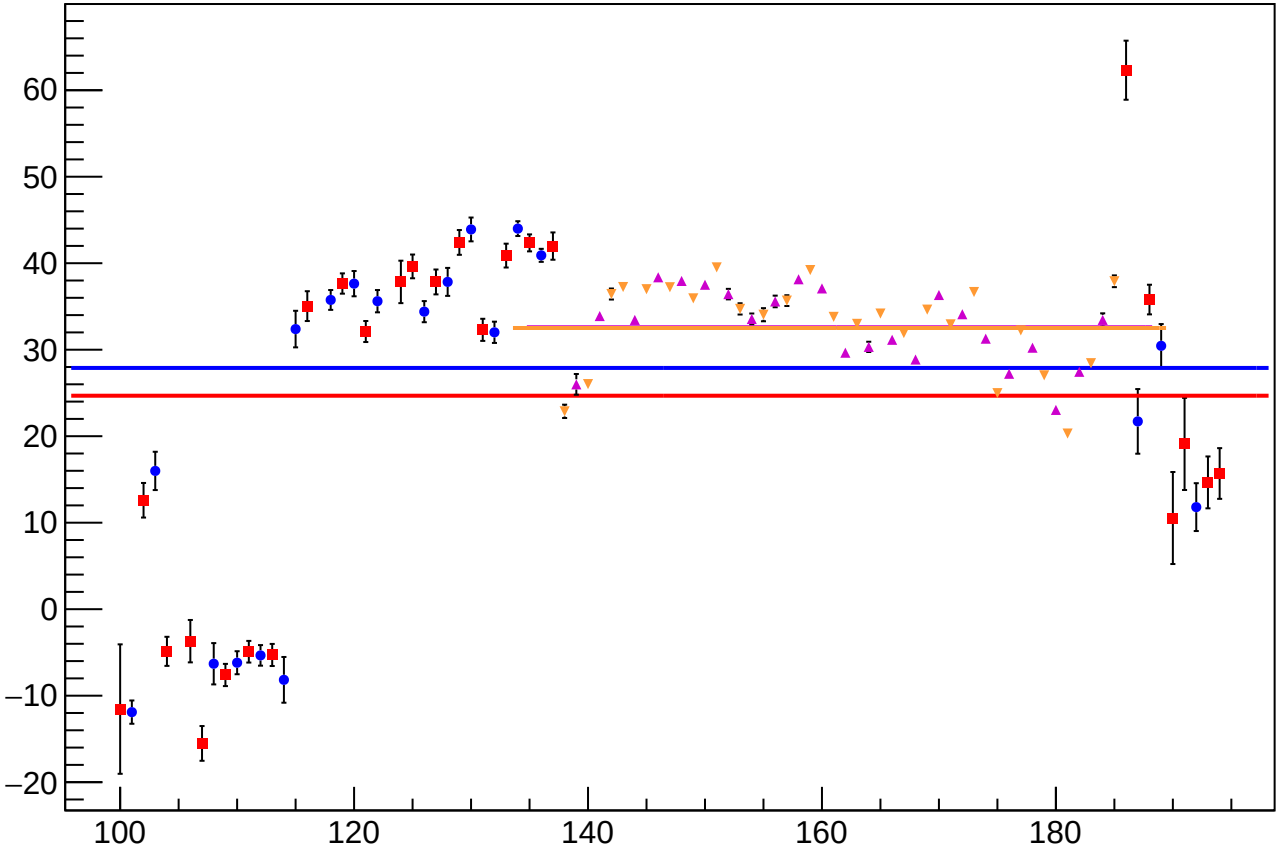
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.208+/-0.101 χ^2/NDF: 31916.6/43

All: -38.514+/-0.072 χ^2/NDF: 64136.7/91

- sign -38.828+/-0.103 χ^2/NDF: 32201.6/47

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

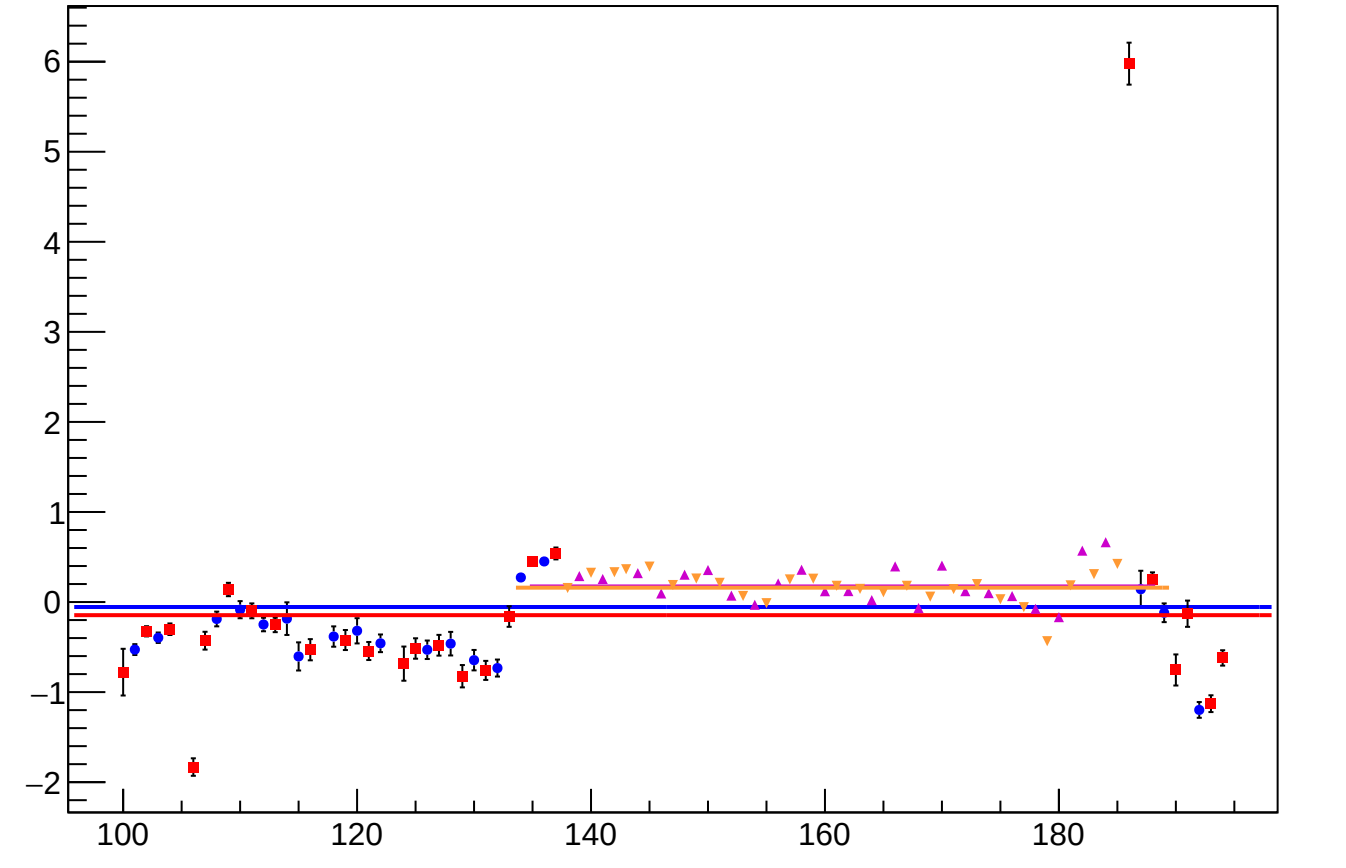
Right Out: 24.680+/-0.323 χ^2/NDF: 4035.9/24

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.127+/-0.091 χ^2/NDF: 6901.9/43

All: 32.038+/-0.065 χ^2/NDF: 13505.1/91

- sign 31.945+/-0.093 χ^2/NDF: 6601.2/47



Right In: -0.055+/-0.017 χ^2/NDF: 765.9/18

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.146+/-0.017 χ^2/NDF: 1686.7/24

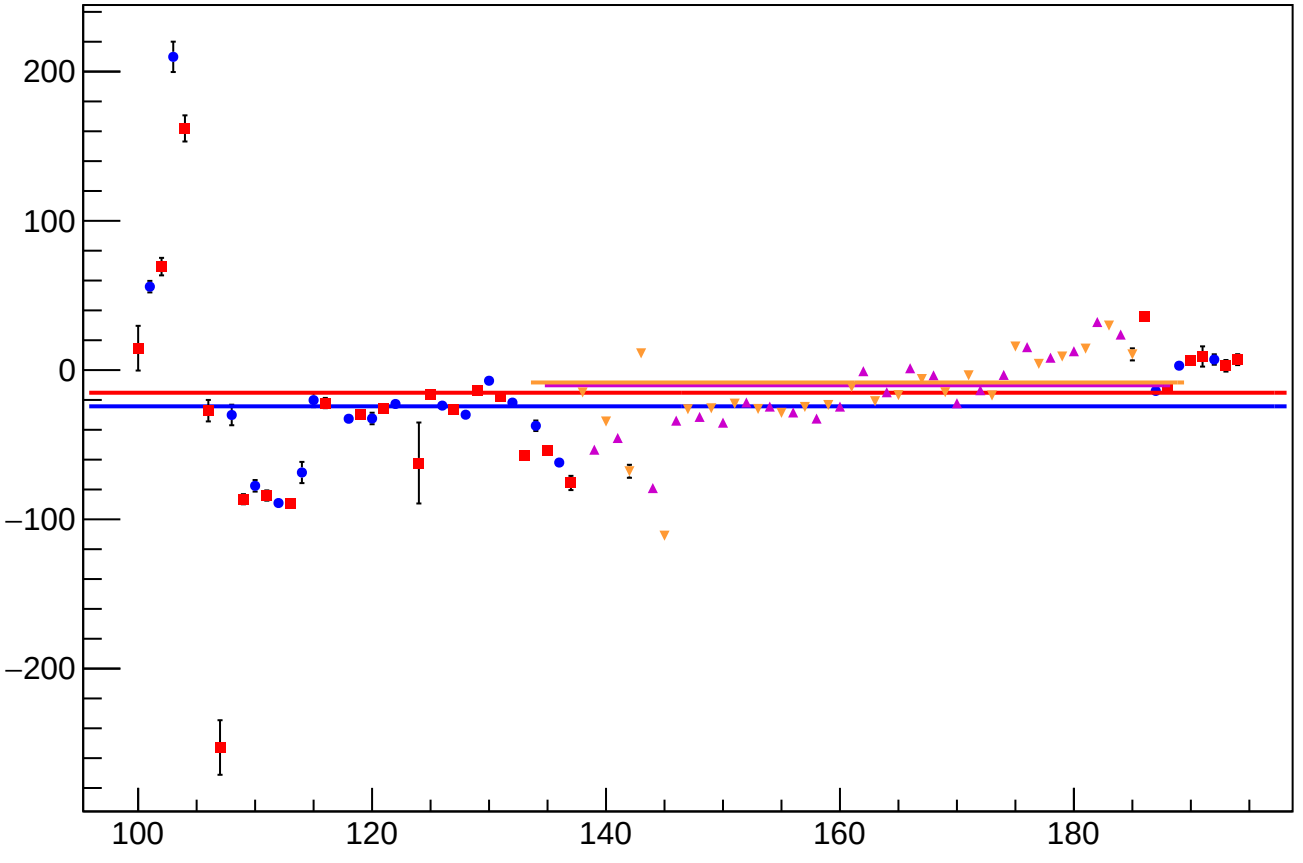
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.147+/-0.004 χ^2/NDF: 2533.9/43

All: 0.151+/-0.003 χ^2/NDF: 6669.8/91

- sign 0.155+/-0.004 χ^2/NDF: 4134.1/47

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: -15.171+/-0.602 χ^2/NDF: 3997.2/24

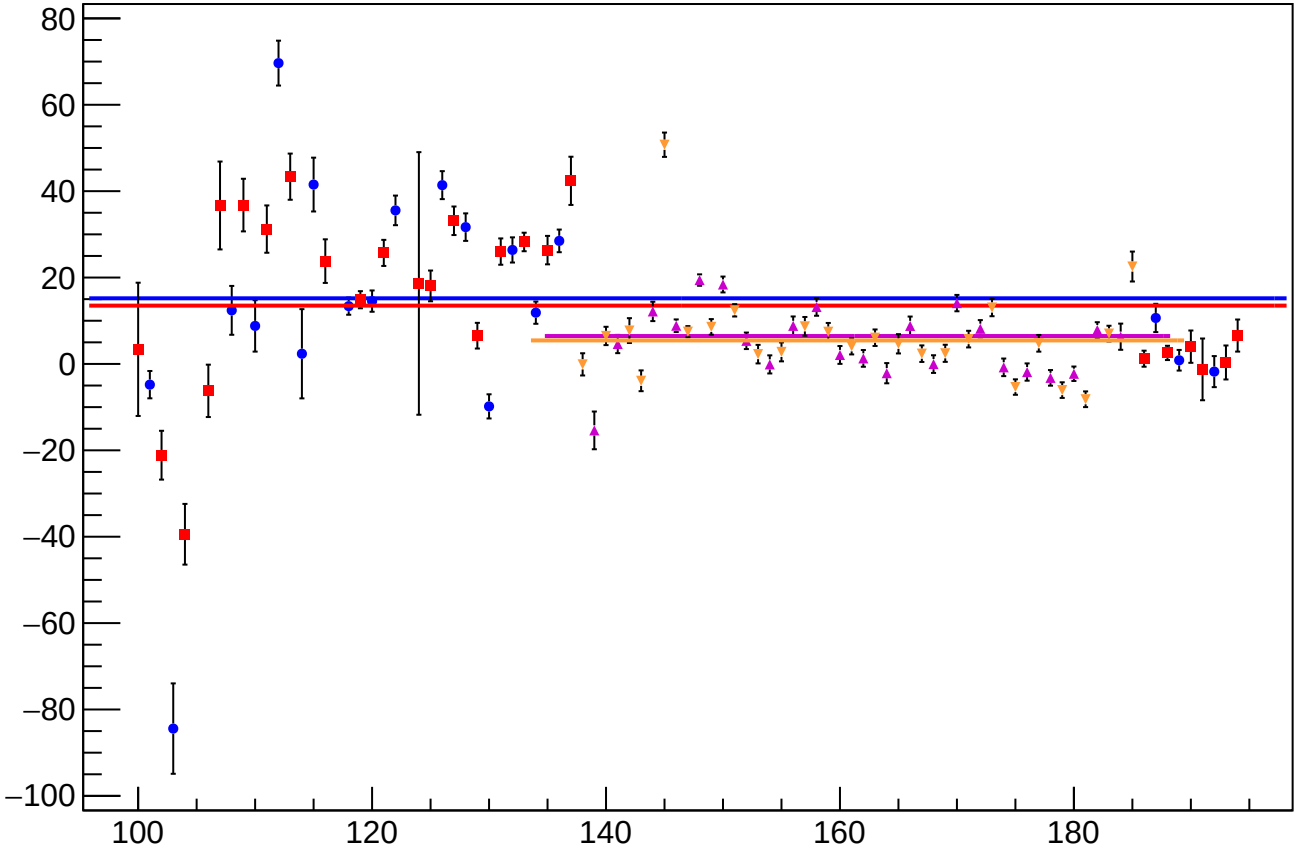
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -13.736+/-0.417 χ^2/NDF: 5120.8/43

All: -13.004+/-0.287 χ^2/NDF: 11681.2/91

- sign -12.343+/-0.396 χ^2/NDF: 6554.6/47

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: 13.501+/-0.673 χ^2/NDF: 449.4/24

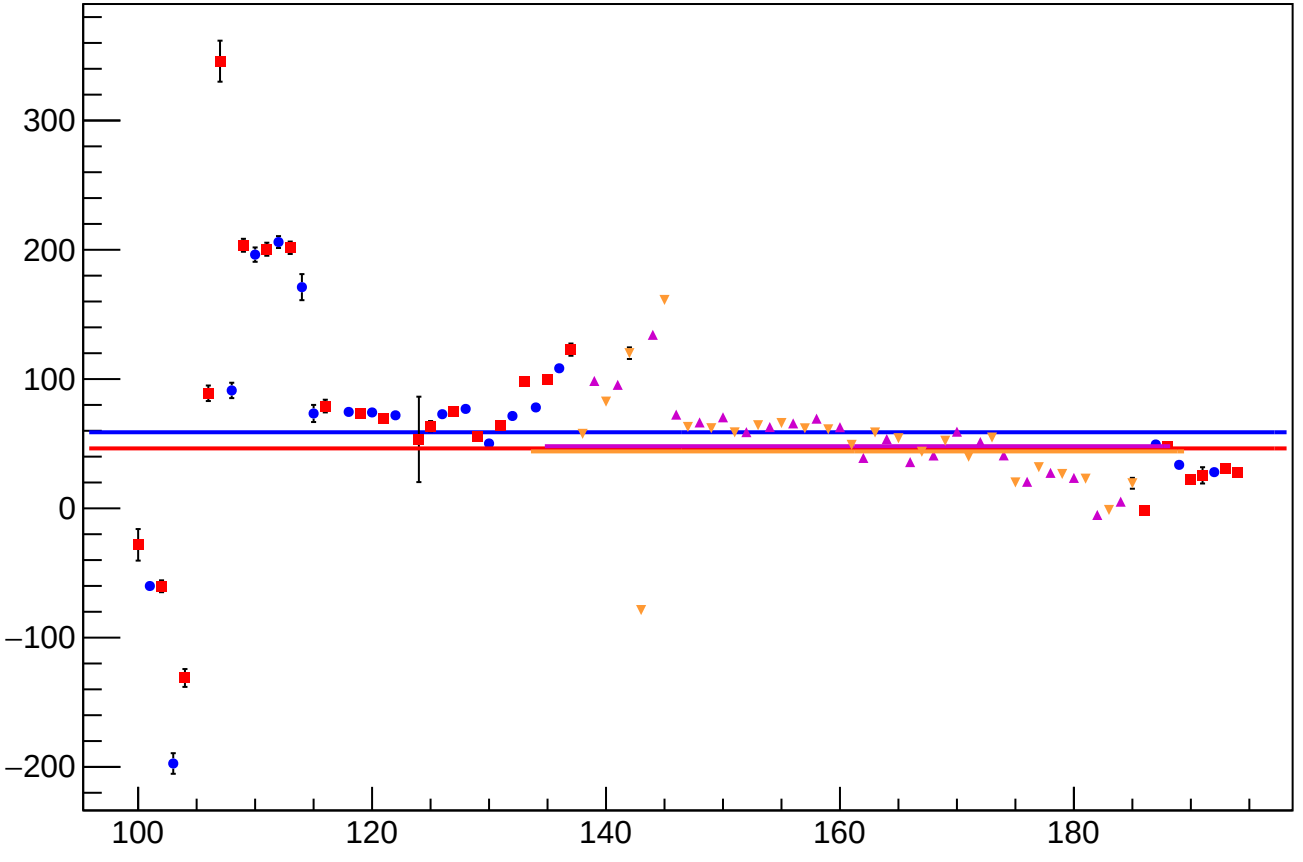
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

\+ sign 7.595+/-0.348 χ^2/NDF: 1200.7/43

All: 7.974+/-0.246 χ^2/NDF: 2068.6/91

\- sign 8.354+/-0.349 χ^2/NDF: 865.4/47

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: 46.369+/-0.565 χ^2/NDF: 7459.5/24

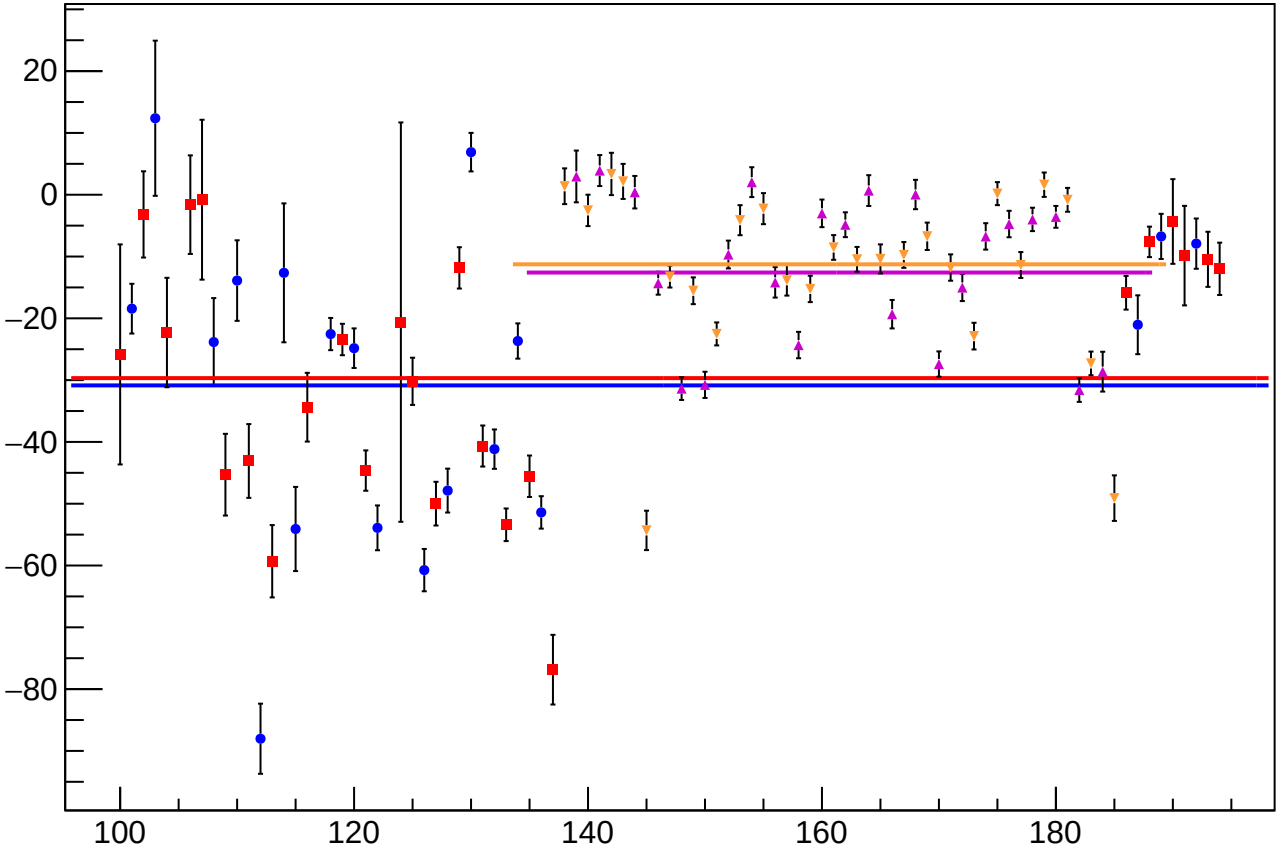
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 48.997+/-0.416 χ^2/NDF: 10177.3/43

All: 48.074+/-0.282 χ^2/NDF: 21027.3/91

- sign 47.291+/-0.383 χ^2/NDF: 10840.9/47

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: -29.676+/-0.829 χ^2/NDF: 503.7/24

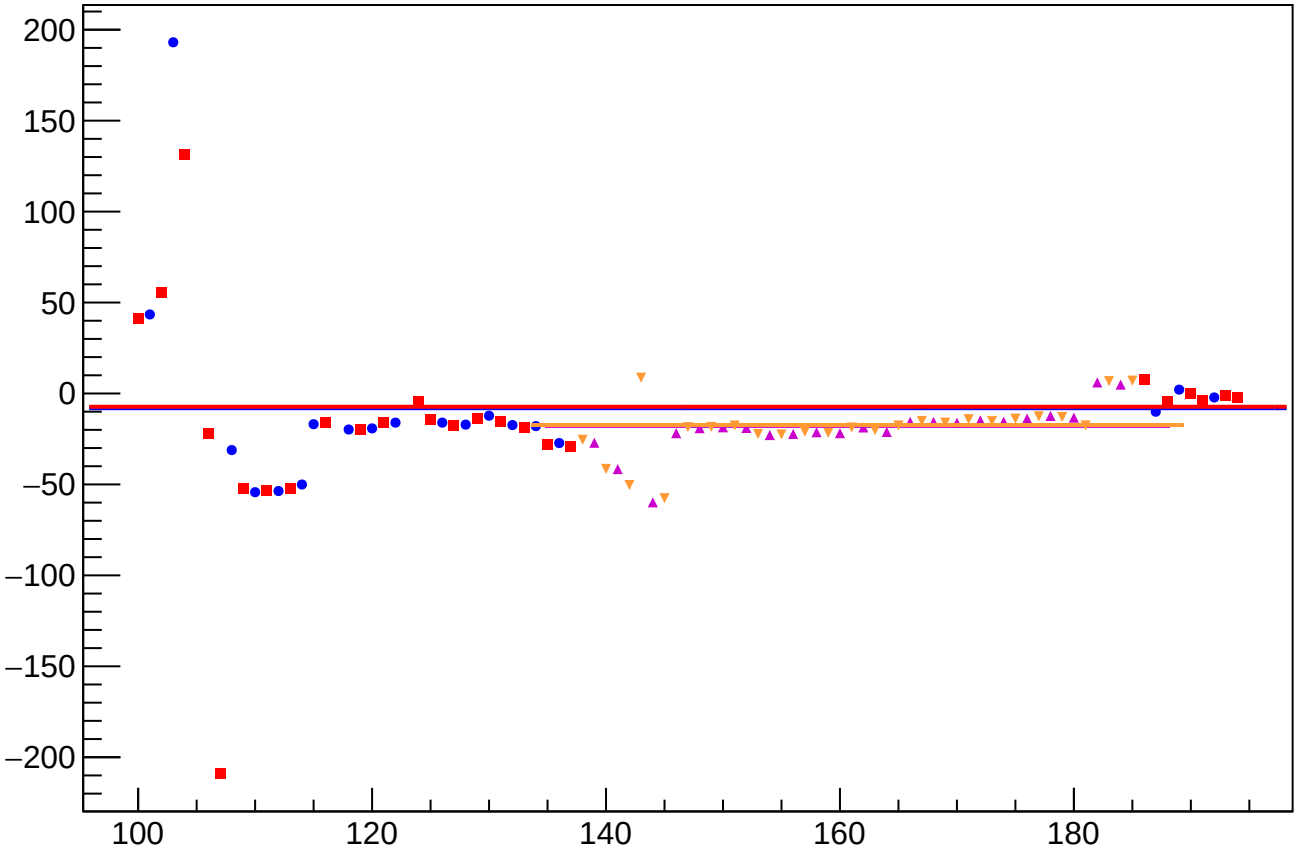
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -15.285+/-0.397 χ^2/NDF: 1644.3/43

All: -15.931+/-0.282 χ^2/NDF: 3150.3/91

- sign -16.594+/-0.401 χ^2/NDF: 1500.6/47

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: -7.306+/-0.045 χ^2/NDF: 469903.3/24

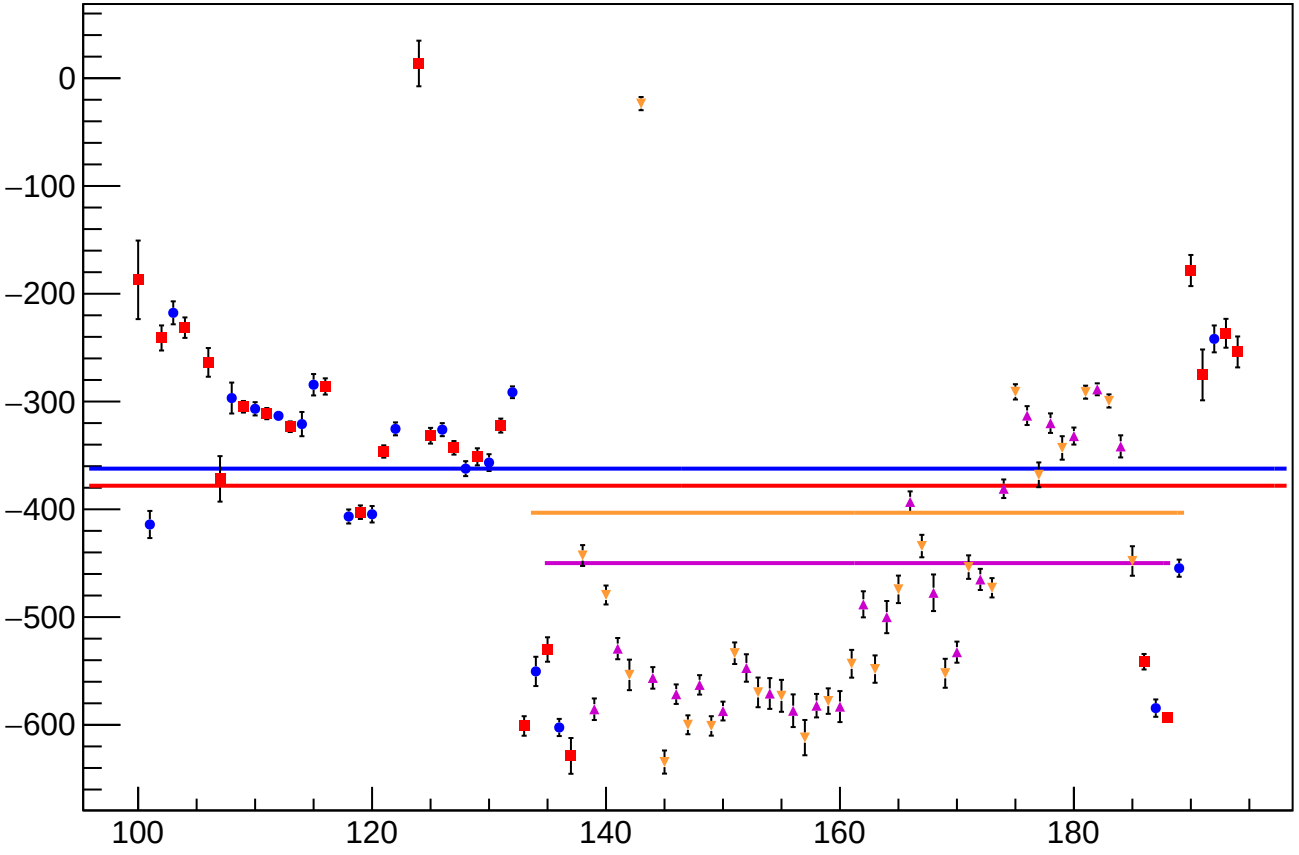
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -15.999+/-0.018 χ^2/NDF: 908714.9/43

All: -16.011+/-0.013 χ^2/NDF: 1692202.9/91

- sign -16.023+/-0.018 χ^2/NDF: 783487.1/47

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: -378.114+/-1.555 χ^2/NDF: 6076.5/24

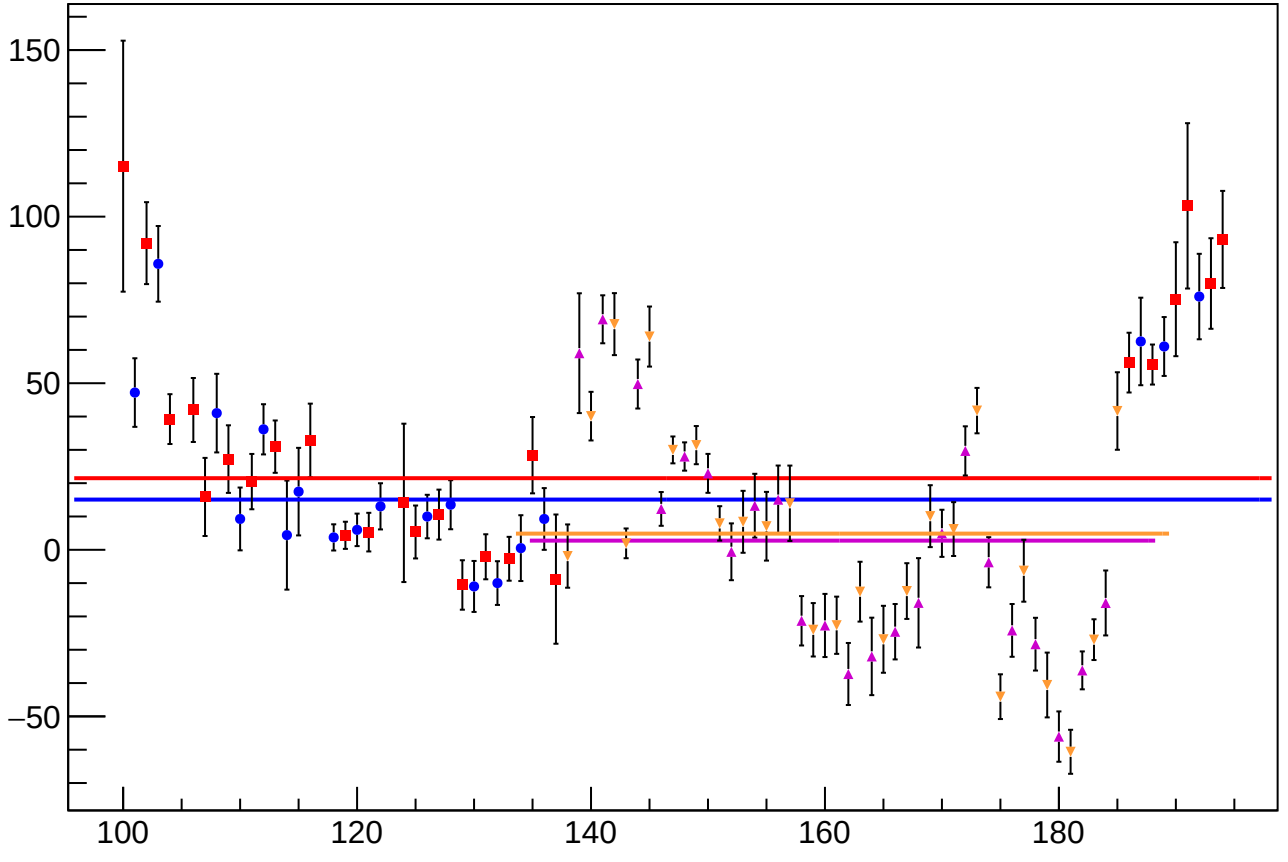
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -380.407+/-1.283 χ^2/NDF: 10903.4/43

All: -392.866+/-0.891 χ^2/NDF: 21162.6/91

- sign -404.446+/-1.237 χ^2/NDF: 10077.4/47

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: 21.495+/-1.700 χ^2/NDF: 241.9/24

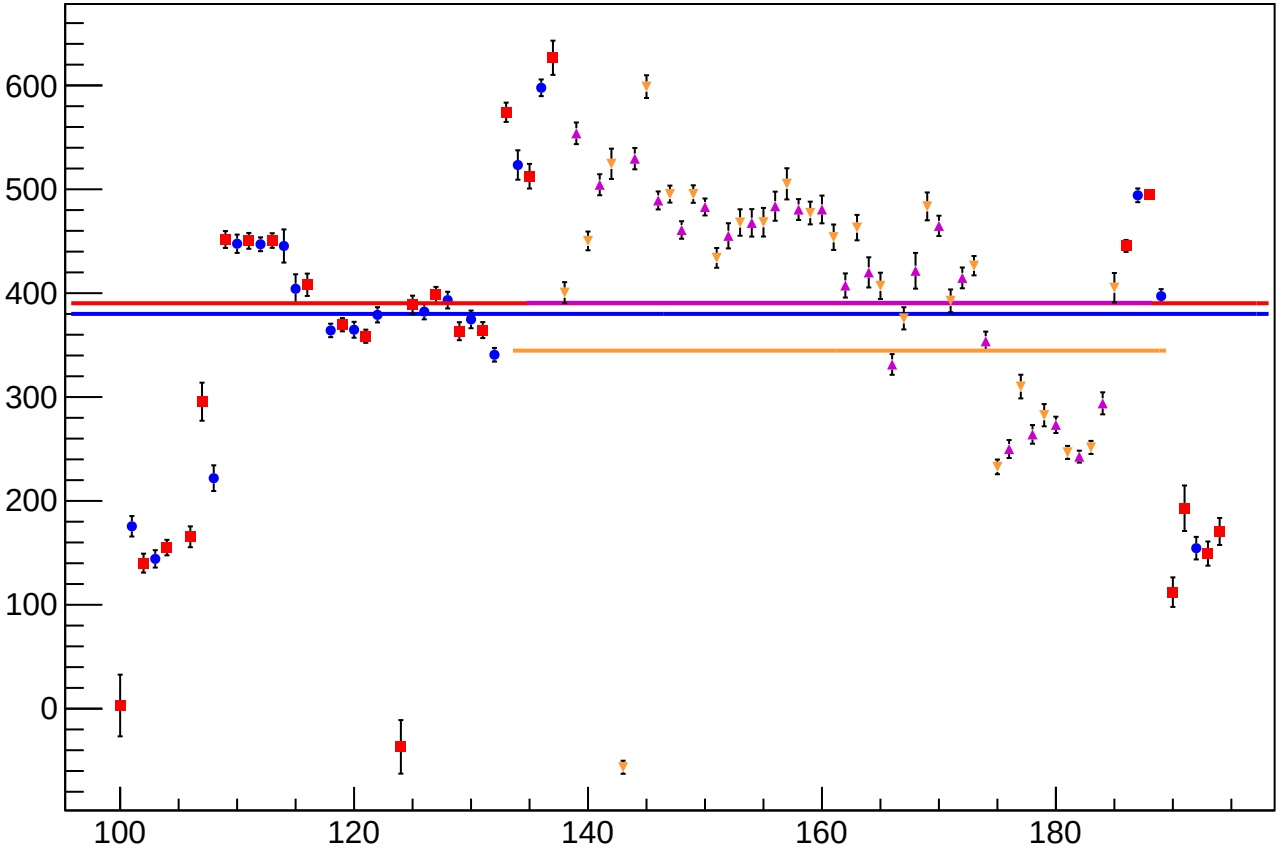
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

\+ sign 8.951+/-1.120 χ^2/NDF: 643.2/43

All: 10.093+/-0.801 χ^2/NDF: 1353.1/91

\- sign 11.290+/-1.147 χ^2/NDF: 707.7/47

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: 390.307+/-1.639 χ^2/NDF: 5862.9/24

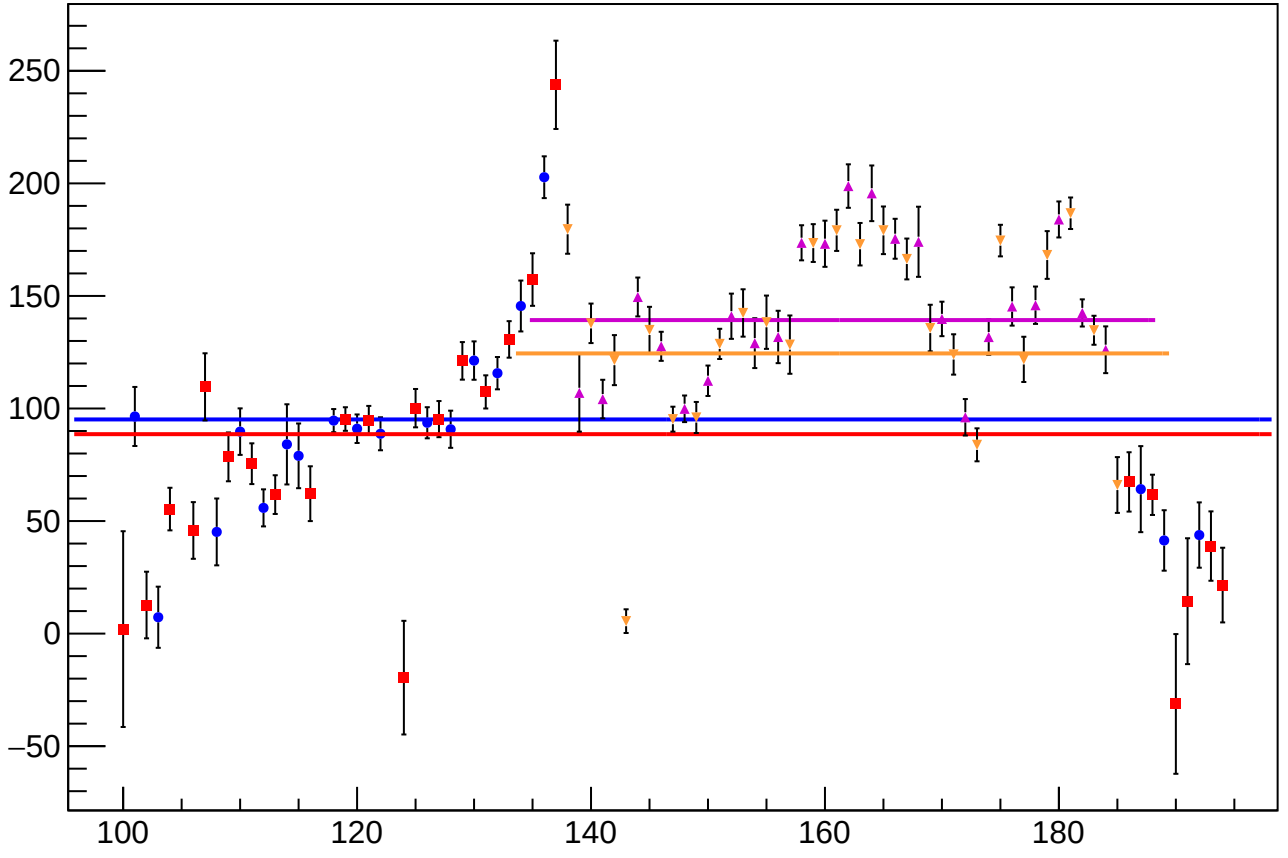
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 362.661+/-1.349 χ^2/NDF: 10639.5/43

All: 377.336+/-0.927 χ^2/NDF: 19399.4/91

- sign 390.451+/-1.275 χ^2/NDF: 8535.7/47

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: 88.598+/-2.012 χ^2/NDF: 303.4/24

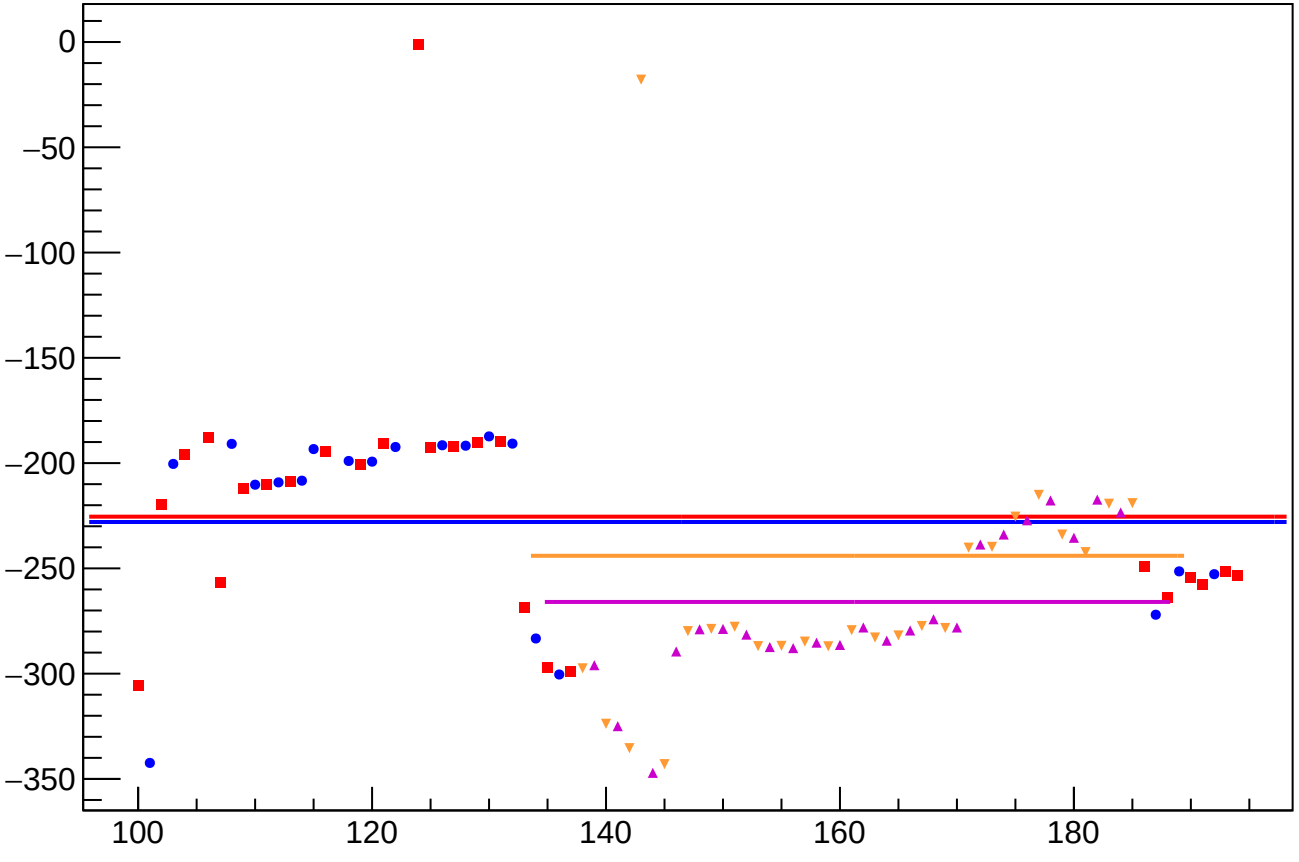
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 113.057+/-1.299 χ^2/NDF: 1341.2/43

All: 115.068+/-0.929 χ^2/NDF: 2268.1/91

- sign 117.171+/-1.329 χ^2/NDF: 922.0/47

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: -225.438+/-0.117 χ^2/NDF: 103572.5/24

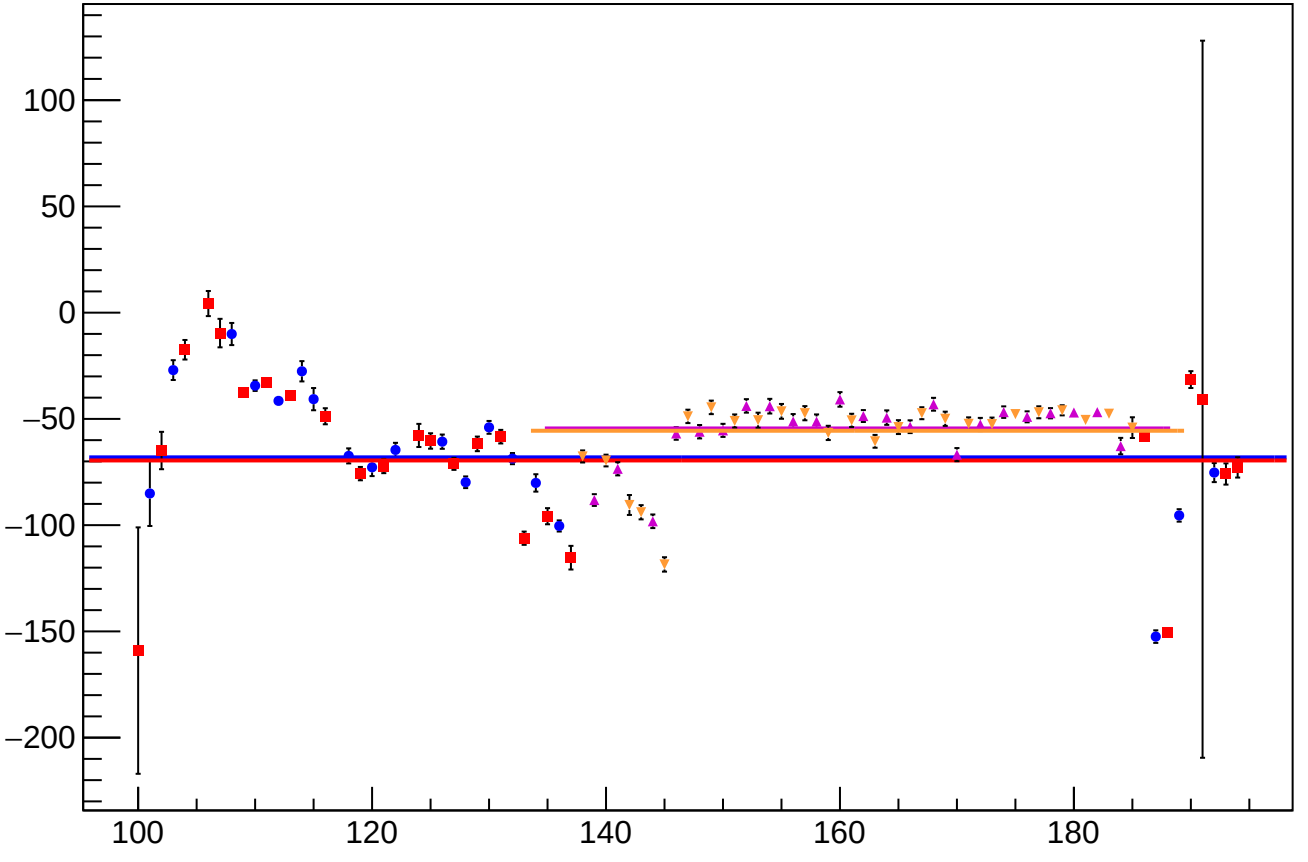
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -239.740+/-0.066 χ^2/NDF: 1138193.6/43

All: -246.333+/-0.047 χ^2/NDF: 1512788.9/91

- sign -252.952+/-0.066 χ^2/NDF: 354726.0/47

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: -69.549+/-0.645 χ^2/NDF: 3714.0/24

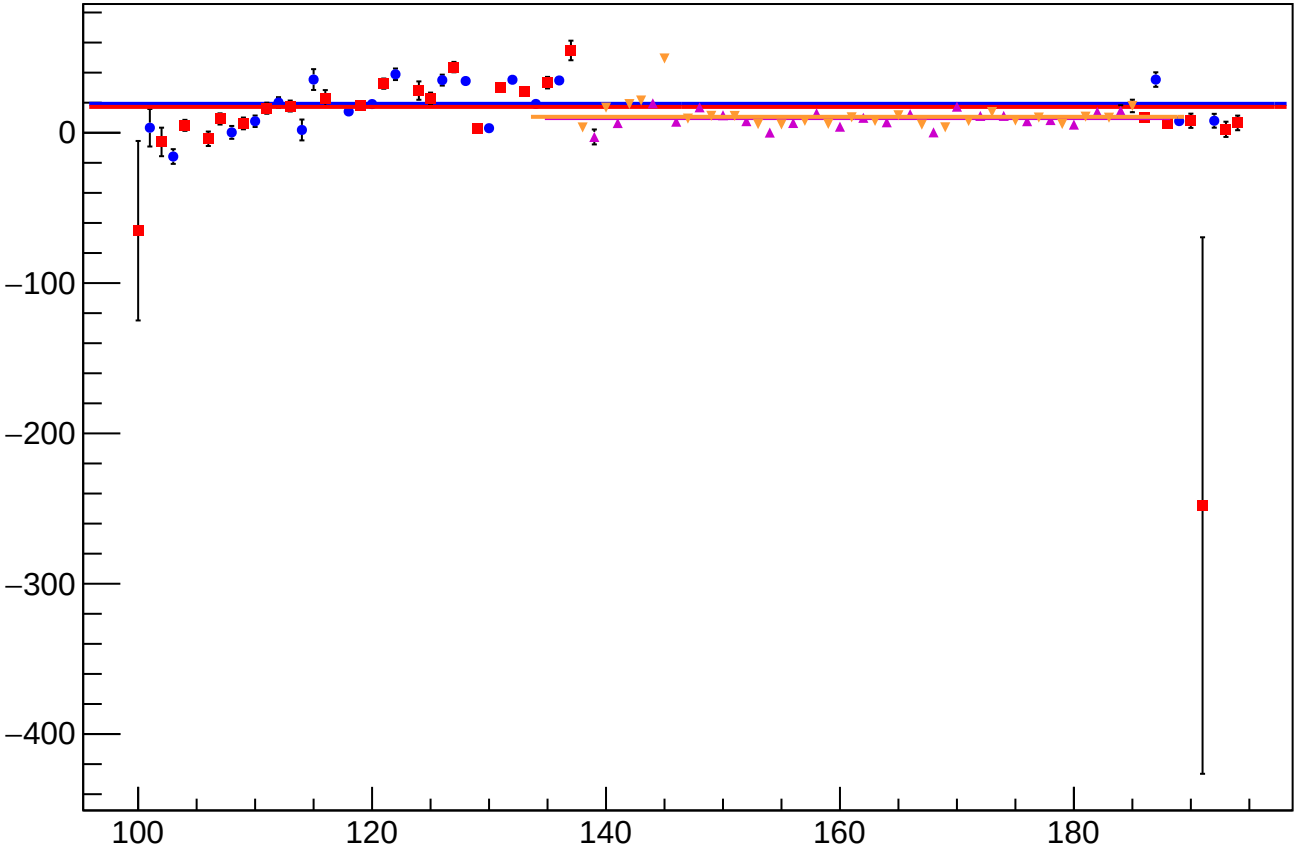
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

\+ sign -60.291+/-0.466 χ^2/NDF: 2606.5/43

All: -60.956+/-0.321 χ^2/NDF: 7113.7/91

\- sign -61.554+/-0.442 χ^2/NDF: 4503.3/47

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: 17.198+/-0.724 χ^2/NDF: 292.8/24

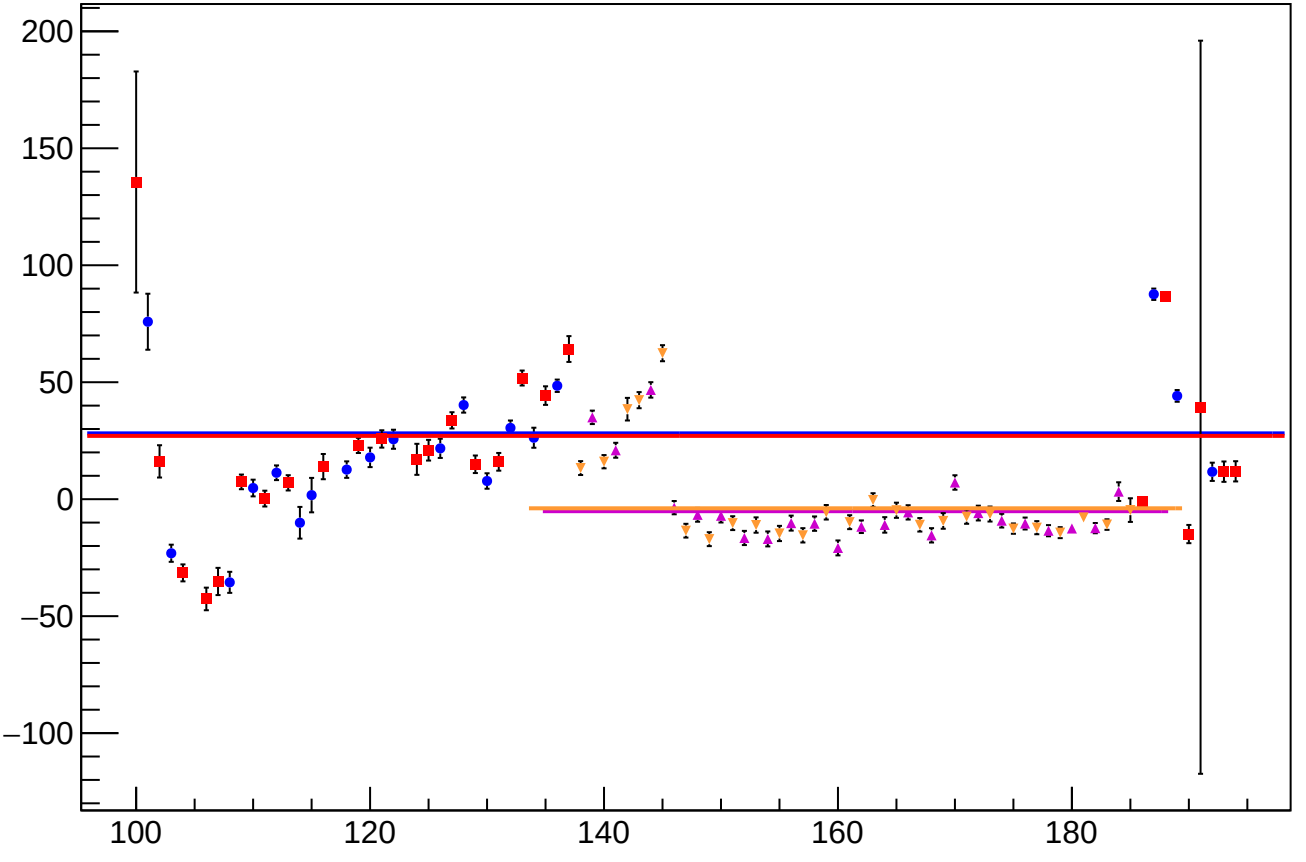
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.626+/-0.393 χ^2/NDF: 619.2/43

All: 12.287+/-0.278 χ^2/NDF: 1109.0/91

- sign 11.950+/-0.392 χ^2/NDF: 488.3/47

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: 27.066+/-0.656 χ^2/NDF: 3279.2/24

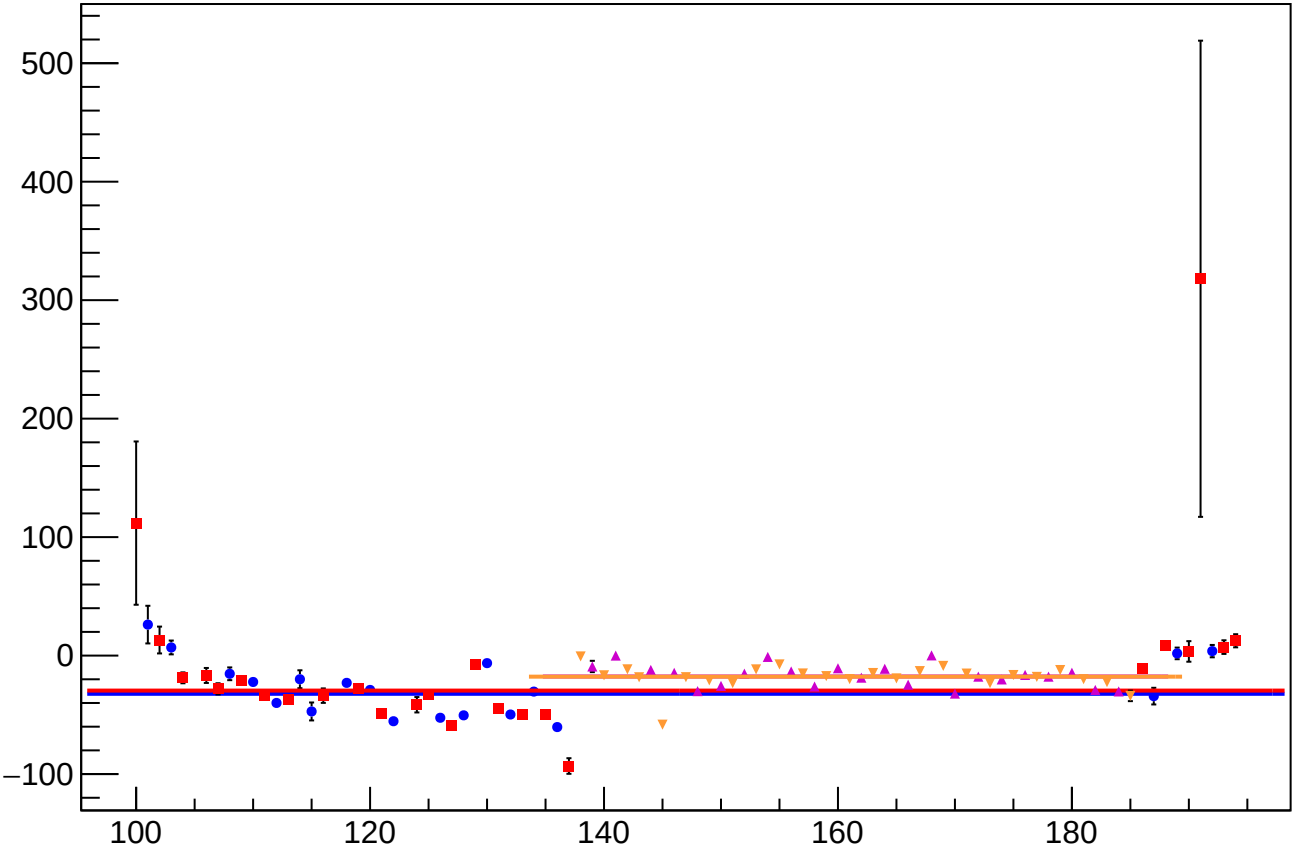
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 6.908+/-0.476 χ^2/NDF: 3186.8/43

All: 8.319+/-0.324 χ^2/NDF: 8444.7/91

- sign 9.537+/-0.442 χ^2/NDF: 5241.6/47

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: -29.534+/-0.872 χ^2/NDF: 625.9/24

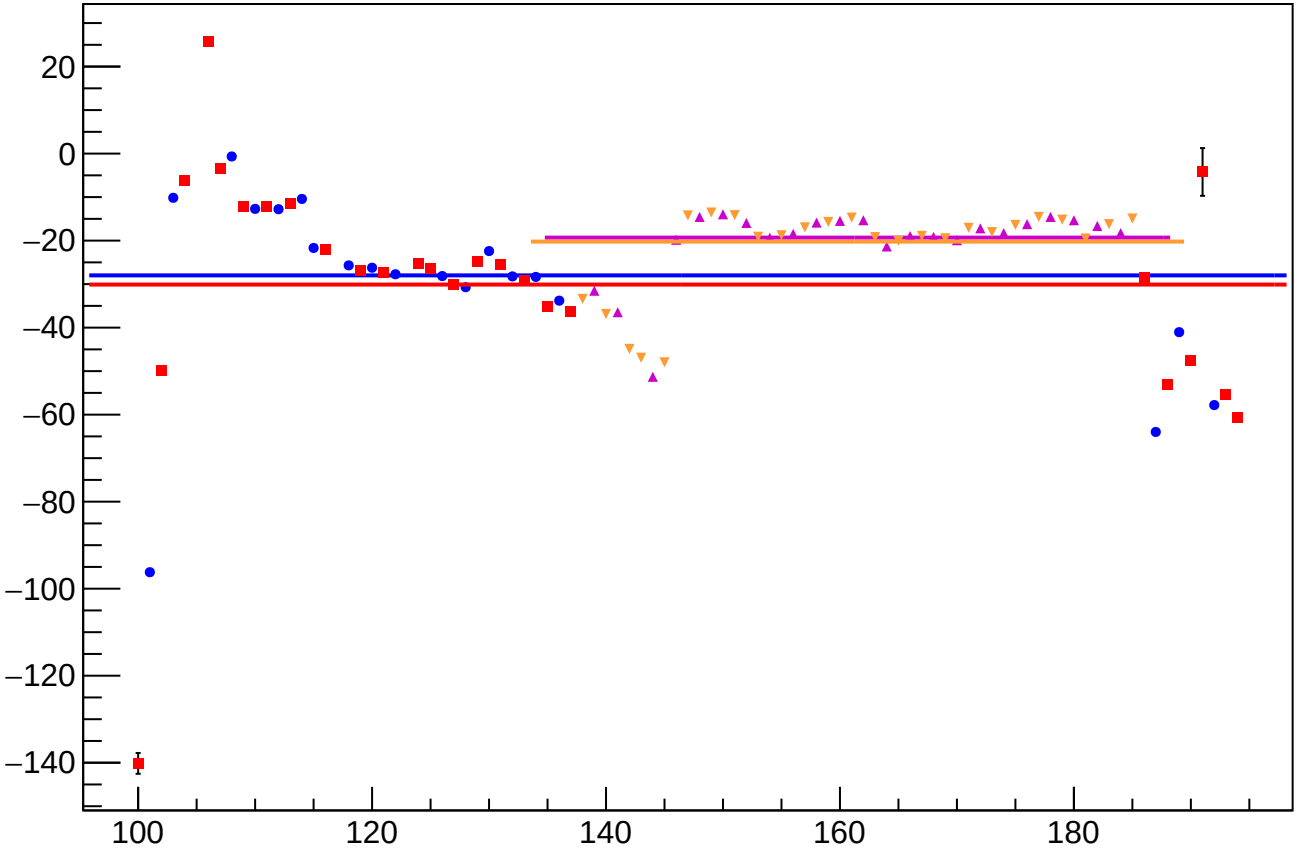
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -21.025+/-0.448 χ^2/NDF: 883.1/43

All: -20.921+/-0.318 χ^2/NDF: 1931.3/91

- sign -20.815+/-0.450 χ^2/NDF: 1048.1/47

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: -30.103+/-0.049 χ^2/NDF: 193754.4/24

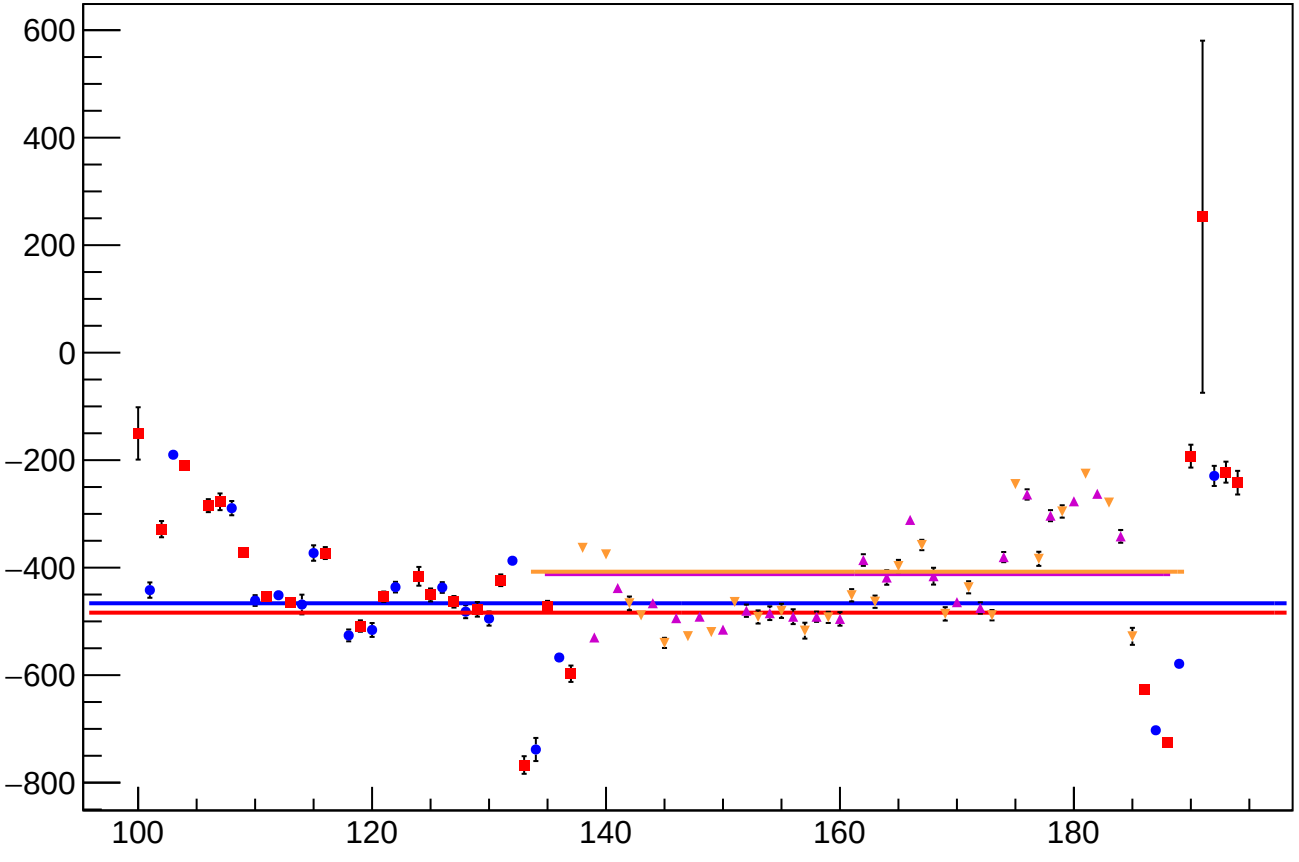
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -21.460+/-0.021 χ^2/NDF: 266813.5/43

All: -21.383+/-0.015 χ^2/NDF: 593462.3/91

- sign -21.305+/-0.021 χ^2/NDF: 326621.4/47

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: -483.759+/-2.118 χ^2/NDF: 5716.5/24

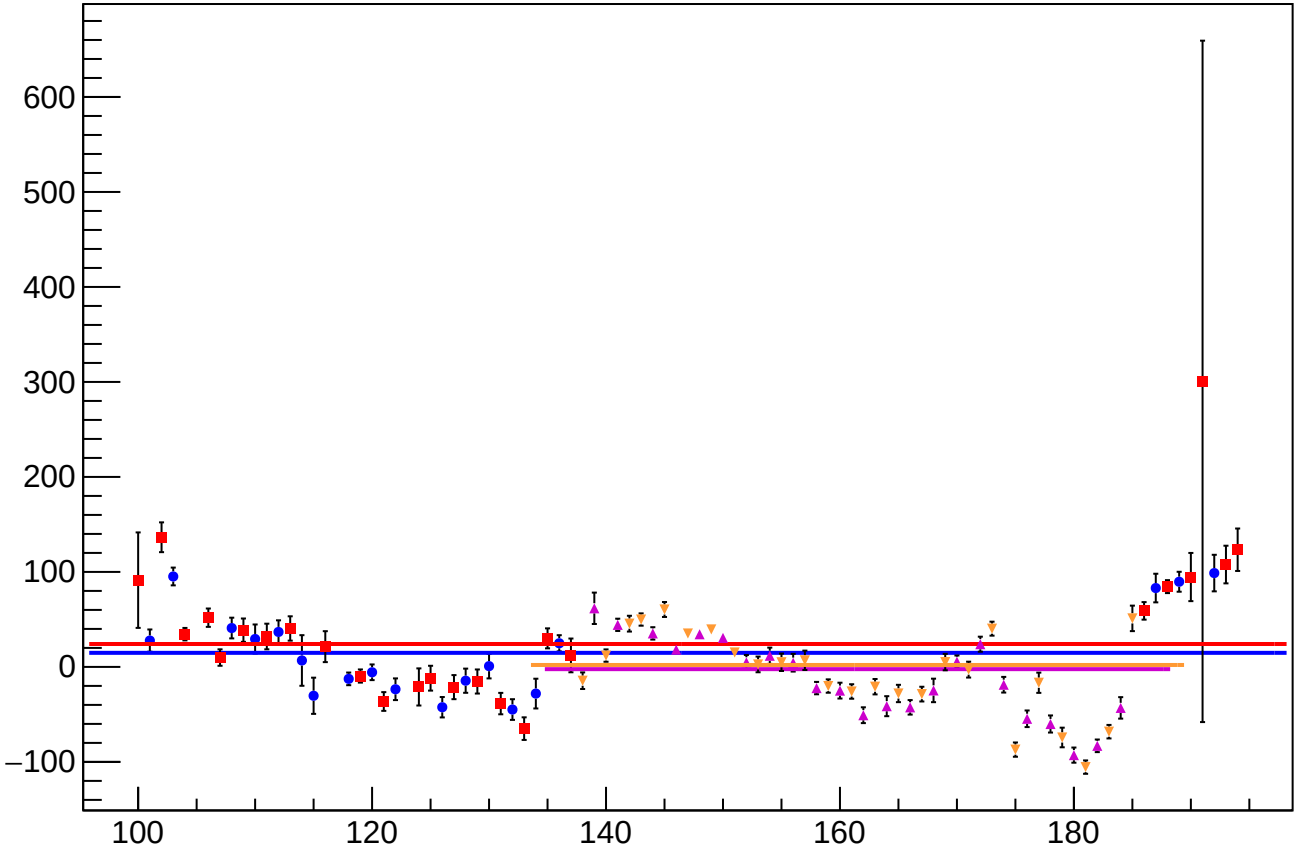
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -430.208+/-1.529 χ^2/NDF: 5844.7/43

All: -438.493+/-1.055 χ^2/NDF: 14402.2/91

- sign -446.020+/-1.457 χ^2/NDF: 8501.4/47

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: 24.118+/-2.280 χ^2/NDF: 393.3/24

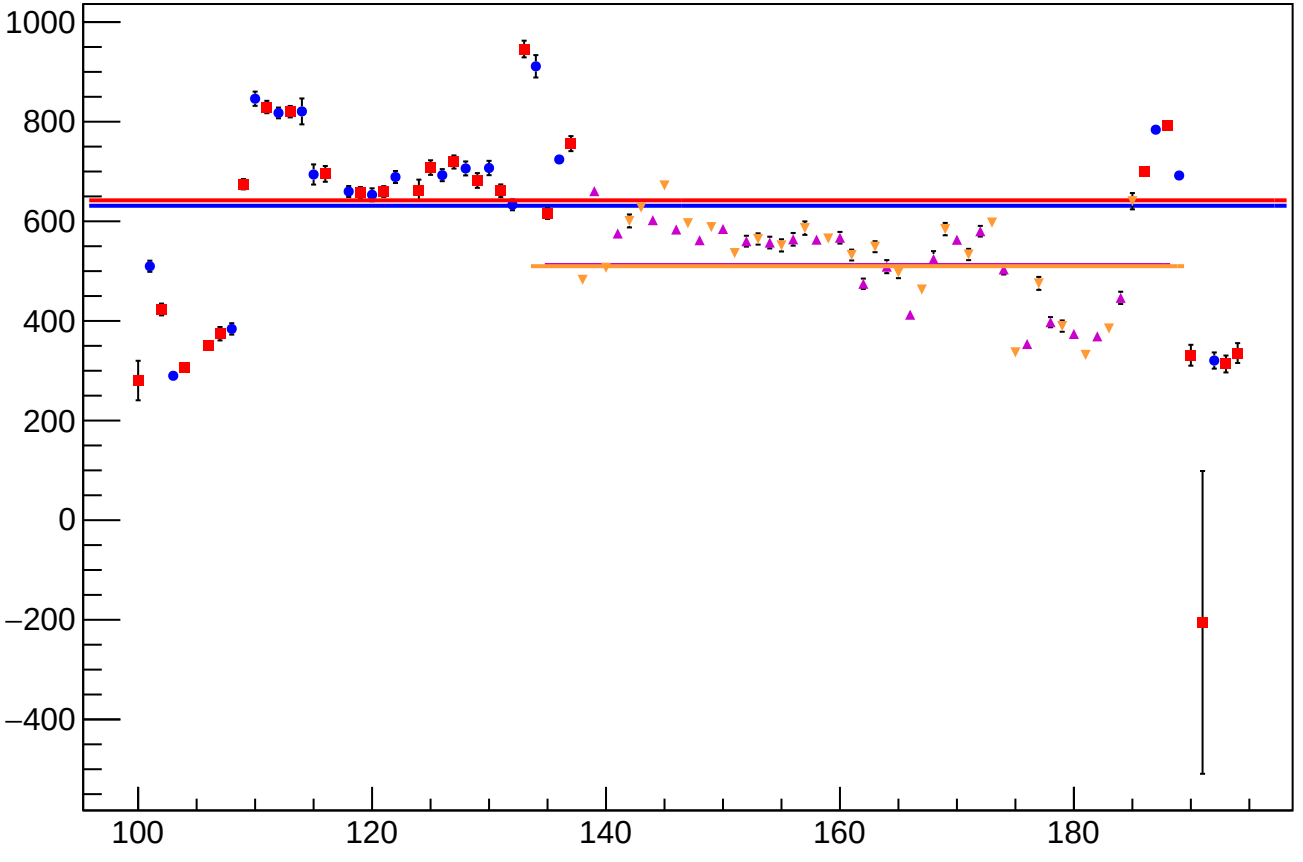
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 5.030+/-1.248 χ^2/NDF: 1219.0/43

All: 5.268+/-0.881 χ^2/NDF: 2440.5/91

- sign 5.505+/-1.243 χ^2/NDF: 1221.5/47

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: 642.137+/-2.078 χ^2/NDF: 7730.2/24

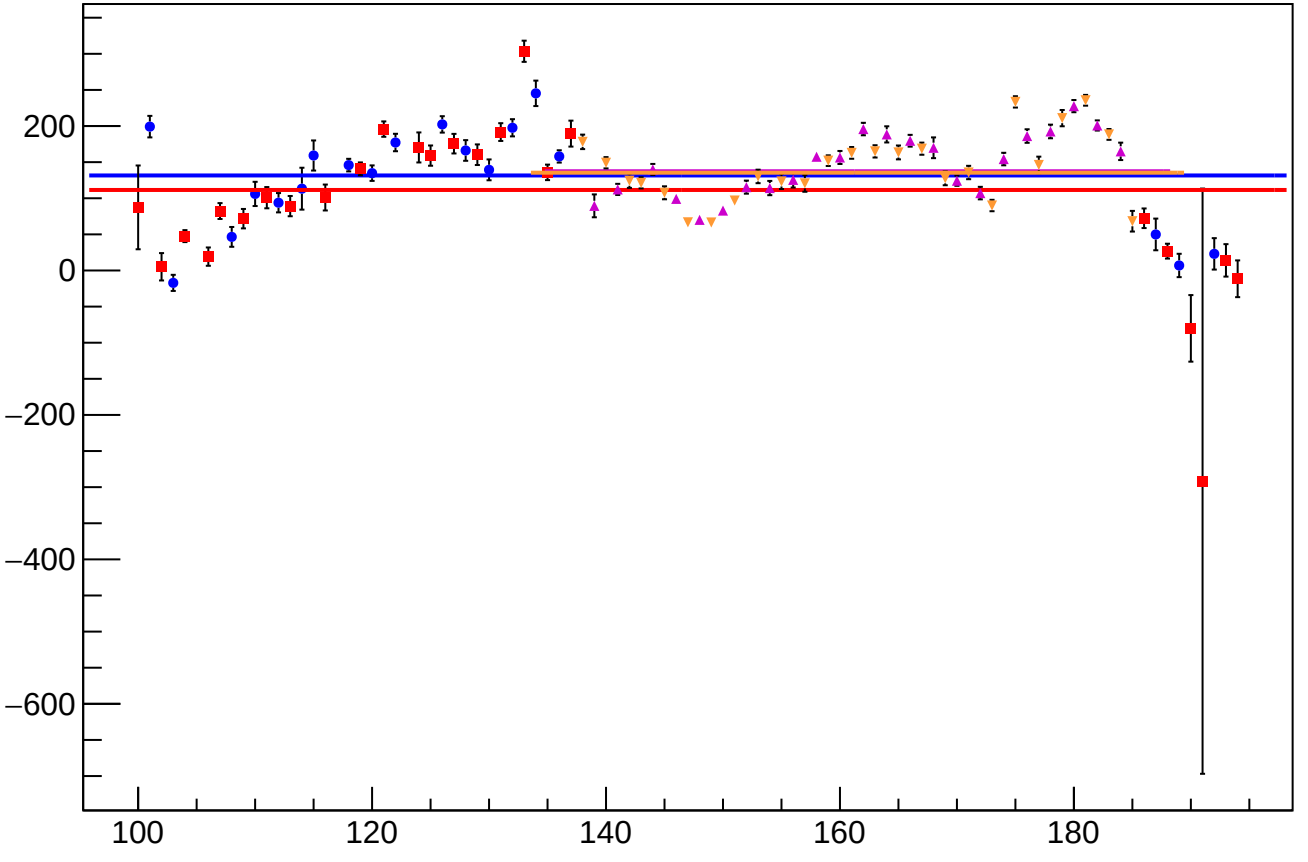
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 554.867+/-1.536 χ^2/NDF: 8888.1/43

All: 565.195+/-1.048 χ^2/NDF: 20834.4/91

- sign 574.209+/-1.435 χ^2/NDF: 11861.7/47

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: 111.482+/-2.757 χ^2/NDF: 664.9/24

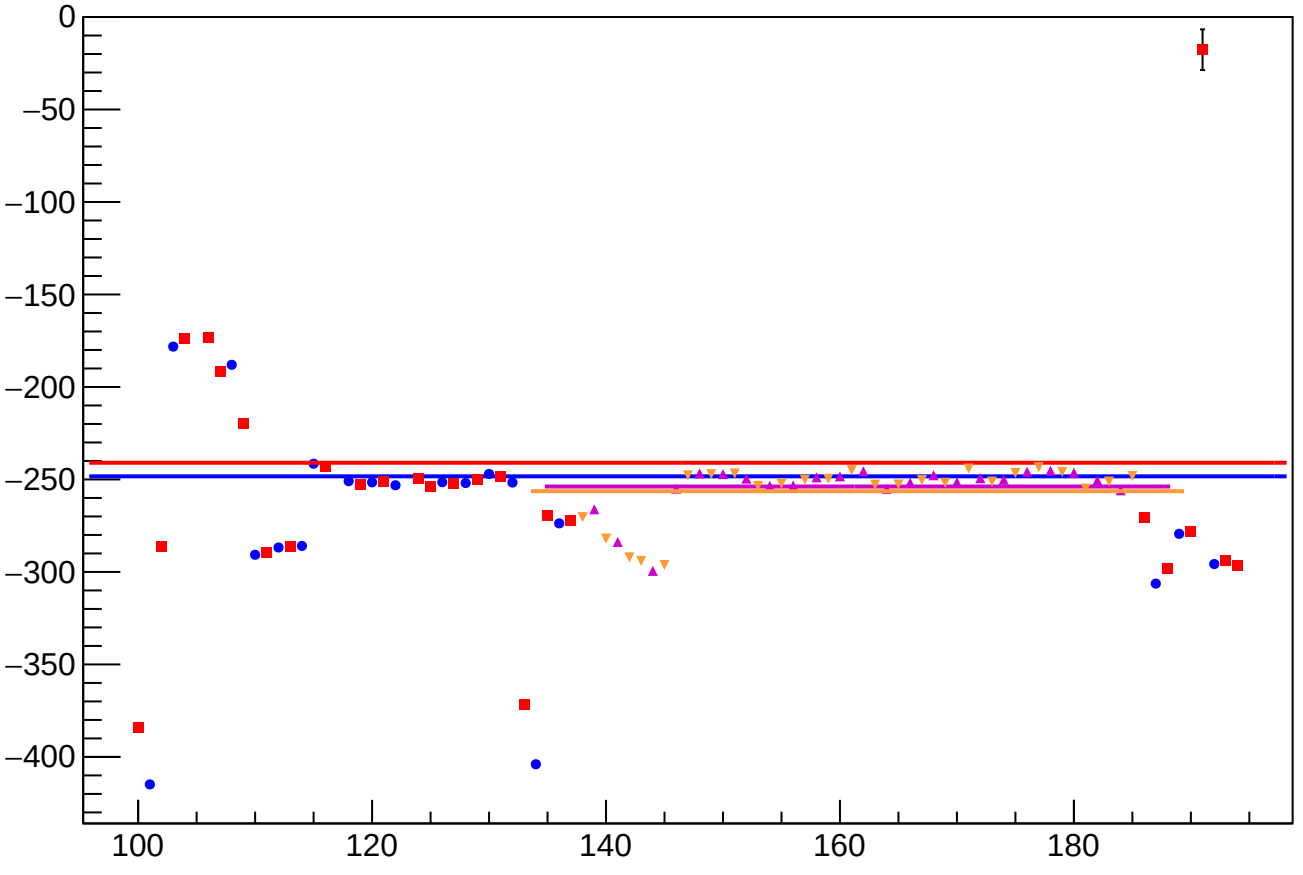
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 134.534+/-1.449 χ^2/NDF: 1415.6/43

All: 132.380+/-1.024 χ^2/NDF: 2854.7/91

- sign 130.227+/-1.448 χ^2/NDF: 1434.7/47

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: -240.957+/-0.143 χ^2/NDF: 130954.1/24

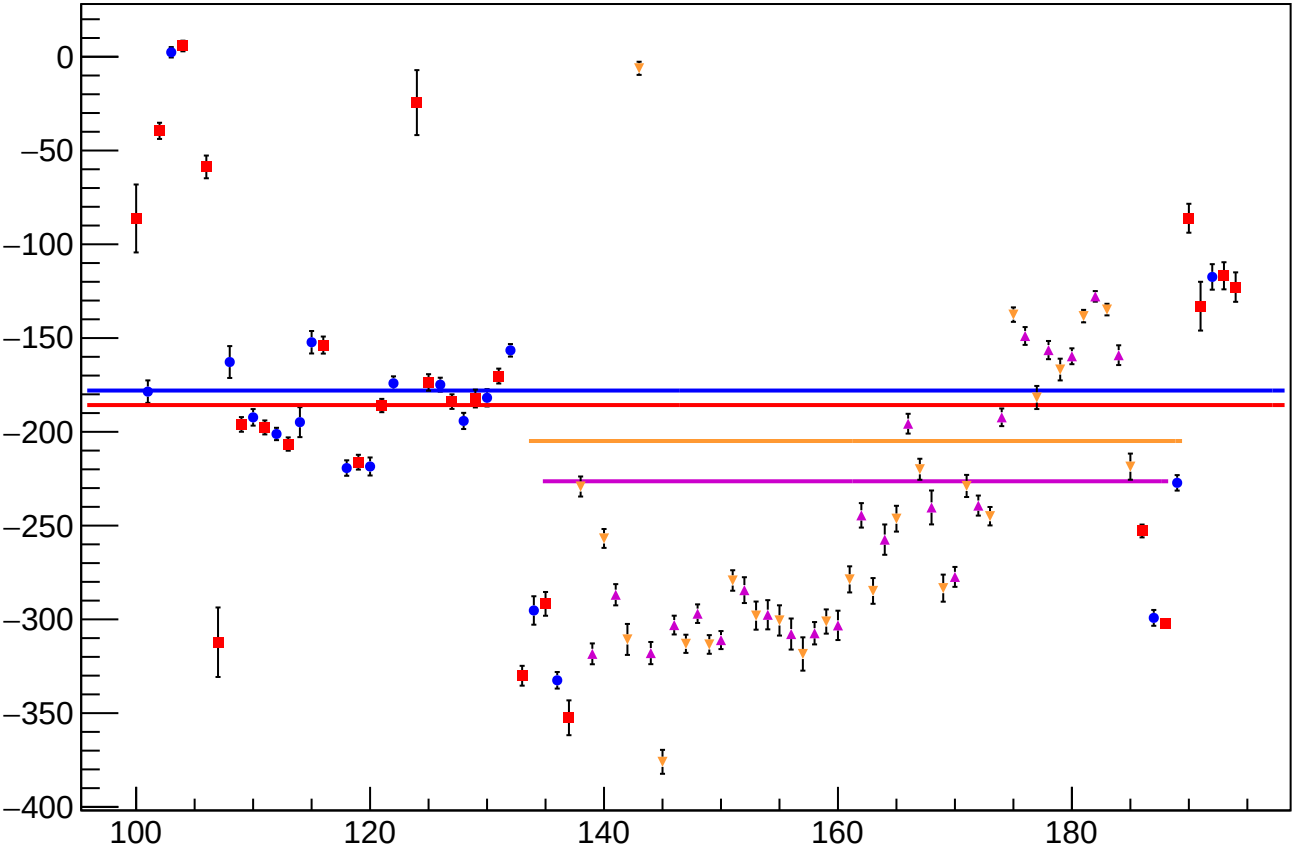
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -254.735+/-0.069 χ^2/NDF: 224692.1/43

All: -252.791+/-0.049 χ^2/NDF: 387548.4/91

- sign -250.876+/-0.068 χ^2/NDF: 161274.5/47

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: -185.727+/-0.891 χ^2/NDF: 11182.7/24

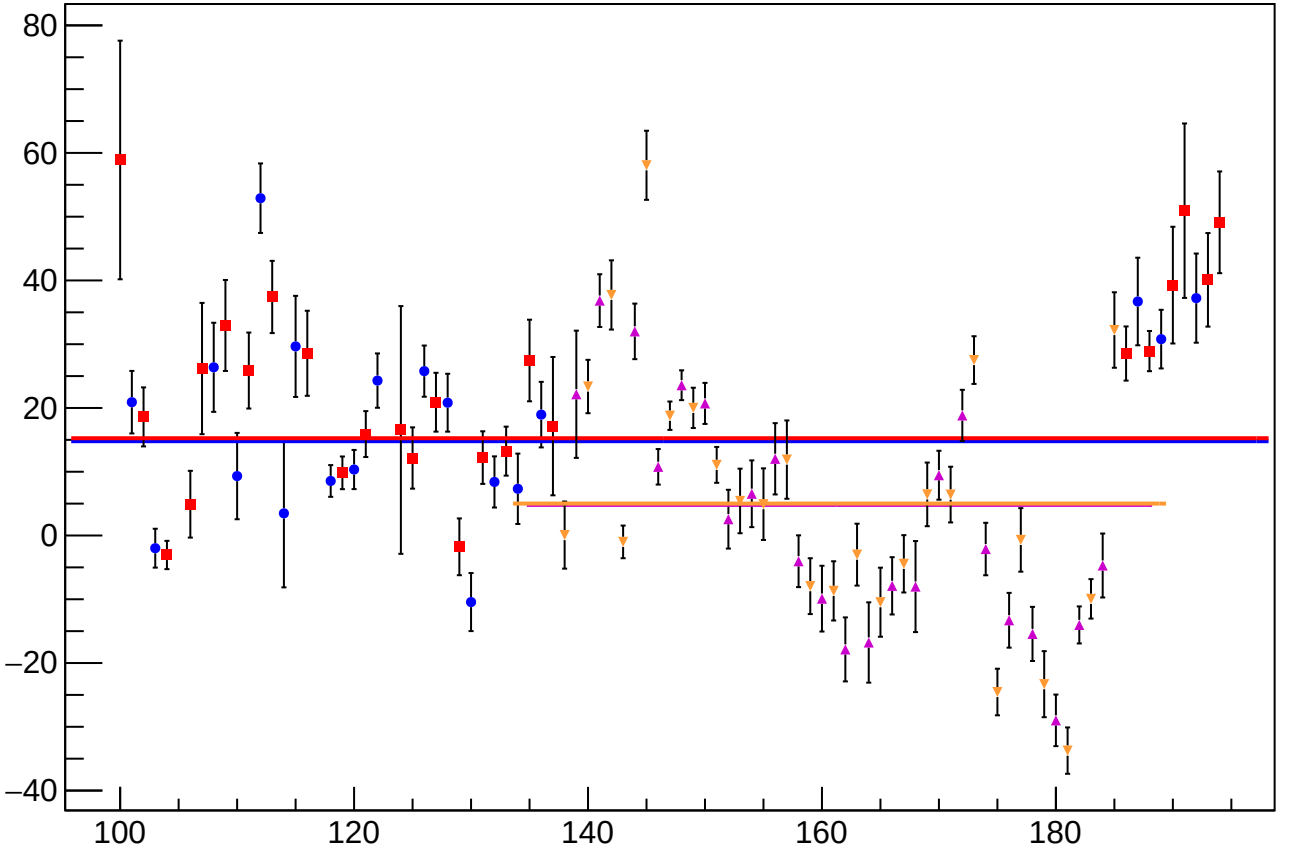
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -190.754+/-0.725 χ^2/NDF: 15204.5/43

All: -196.490+/-0.501 χ^2/NDF: 31545.7/91

- sign -201.748+/-0.694 χ^2/NDF: 16221.1/47

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: 15.254+/-0.936 χ^2/NDF: 205.1/24

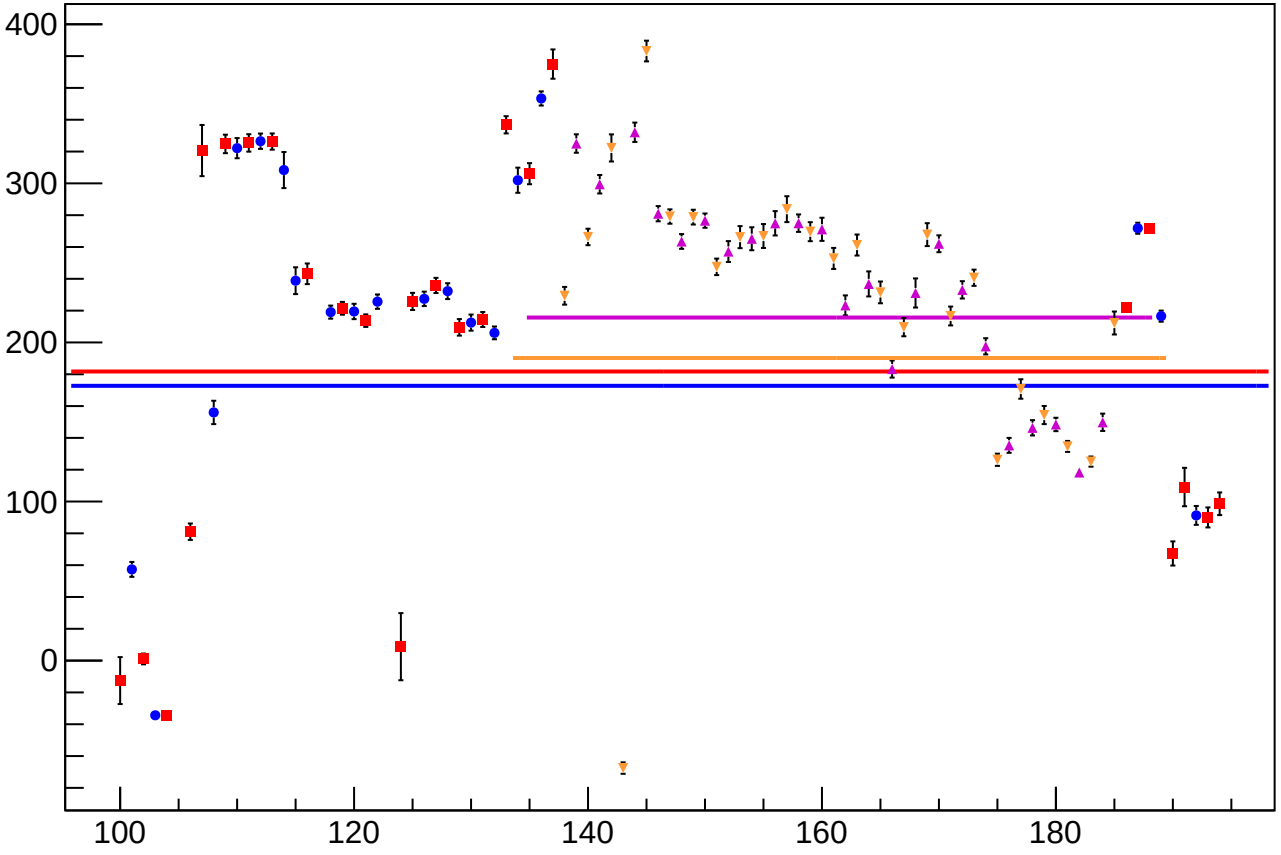
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

\+ sign 8.671+/-0.627 χ^2/NDF: 785.0/43

All: 9.085+/-0.444 χ^2/NDF: 1485.9/91

\- sign 9.500+/-0.628 χ^2/NDF: 700.0/47

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: 181.734+/-0.870 χ^2/NDF: 20339.5/24

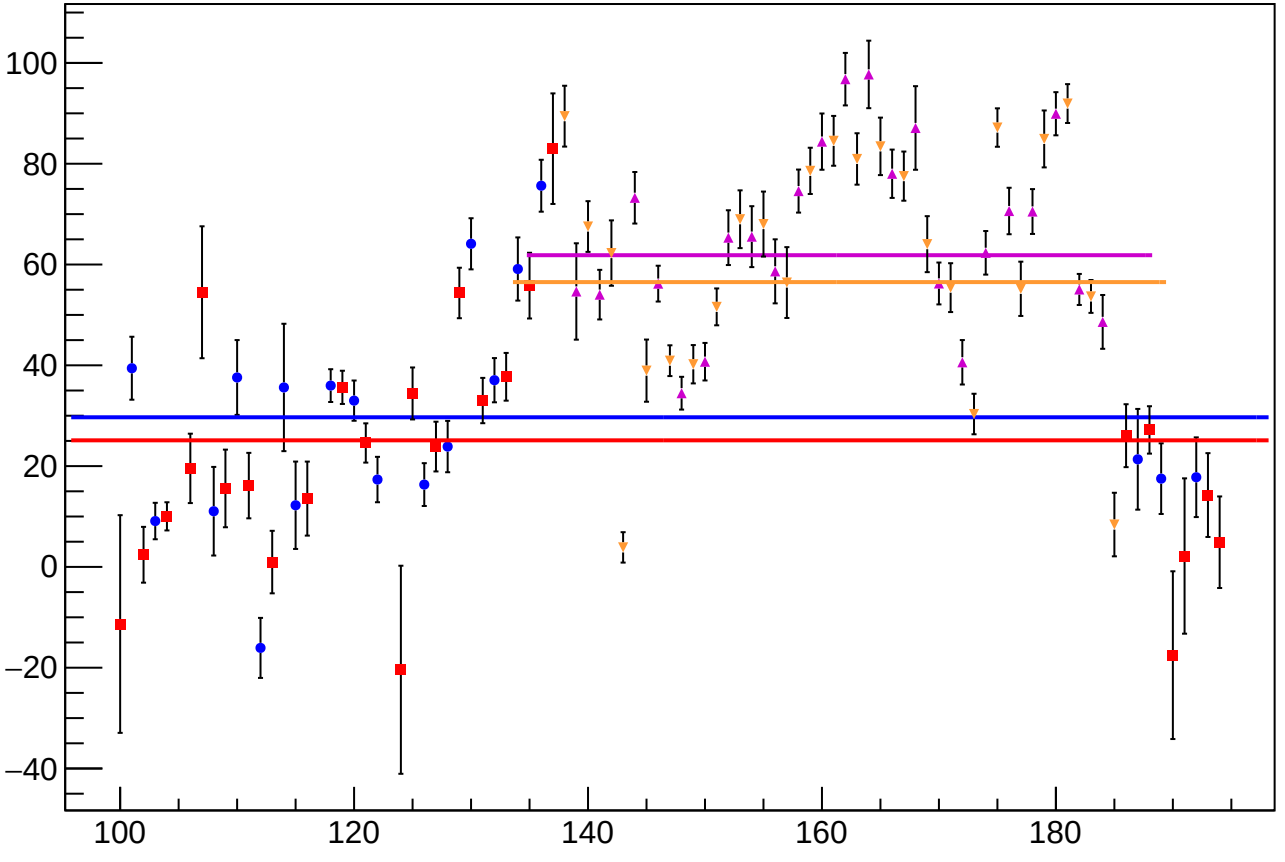
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 181.207+/-0.731 χ^2/NDF: 24756.5/43

All: 188.481+/-0.499 χ^2/NDF: 49753.1/91

- sign 194.816+/-0.682 χ^2/NDF: 24811.3/47

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: 25.115+/-1.129 χ^2/NDF: 203.9/24

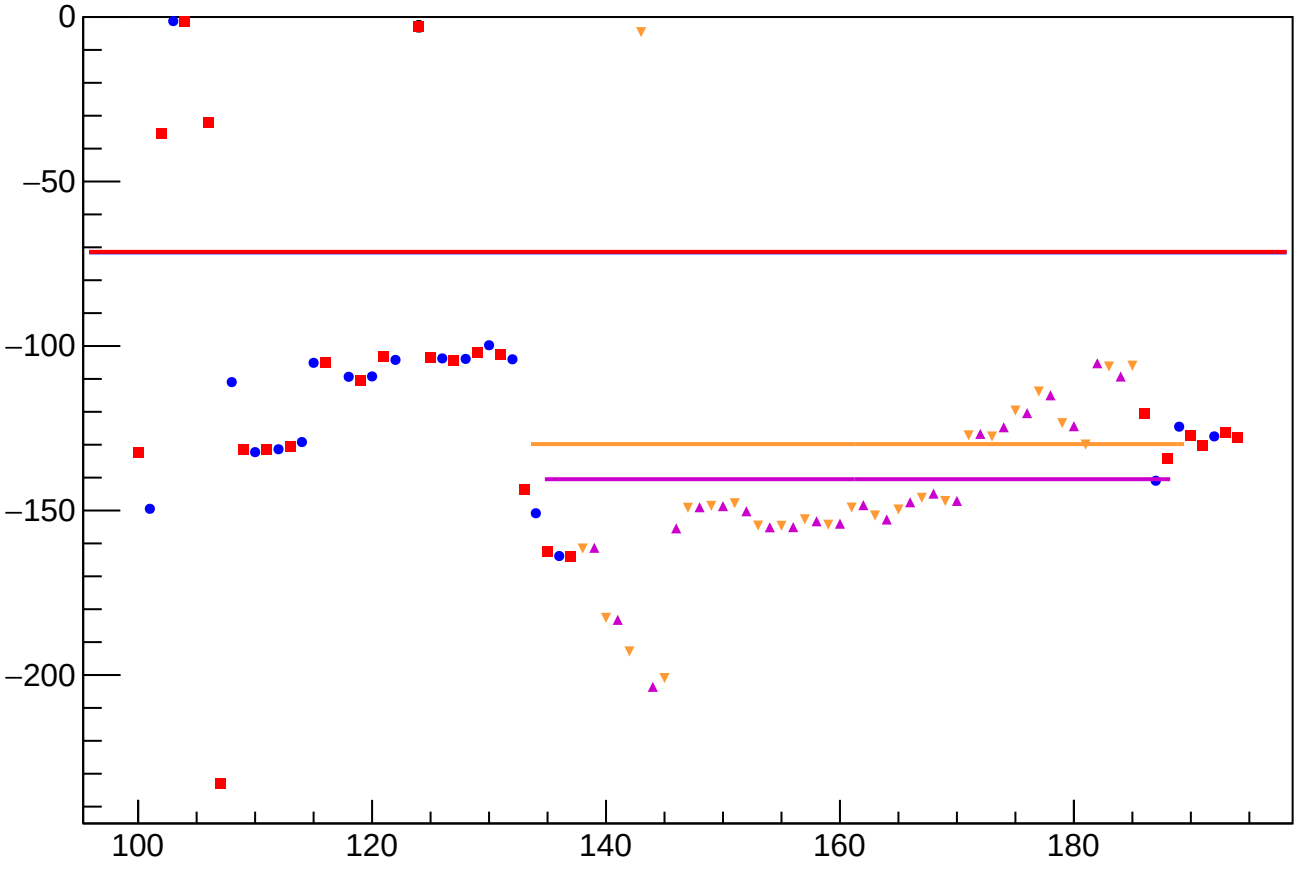
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 46.848+/-0.727 χ^2/NDF: 1396.0/43

All: 46.628+/-0.516 χ^2/NDF: 2534.6/91

- sign 46.405+/-0.732 χ^2/NDF: 1138.4/47

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: -71.378+/-0.056 χ^2/NDF: 1125496.4/24

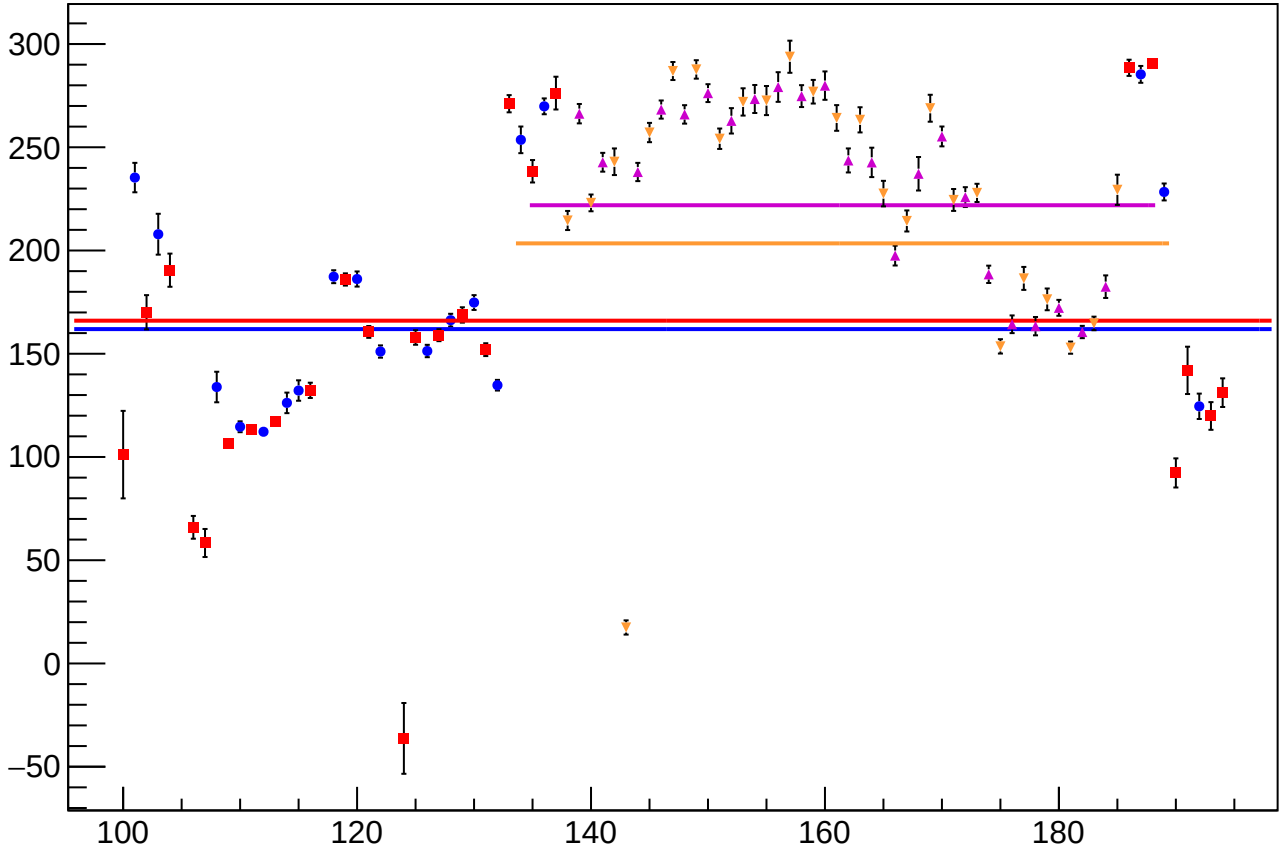
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -110.655+/-0.035 χ^2/NDF: 2803853.8/43

All: -112.486+/-0.024 χ^2/NDF: 5138075.7/91

- sign -114.303+/-0.034 χ^2/NDF: 2328626.1/47

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: 166.016+/-0.743 χ^2/NDF: 8021.6/24

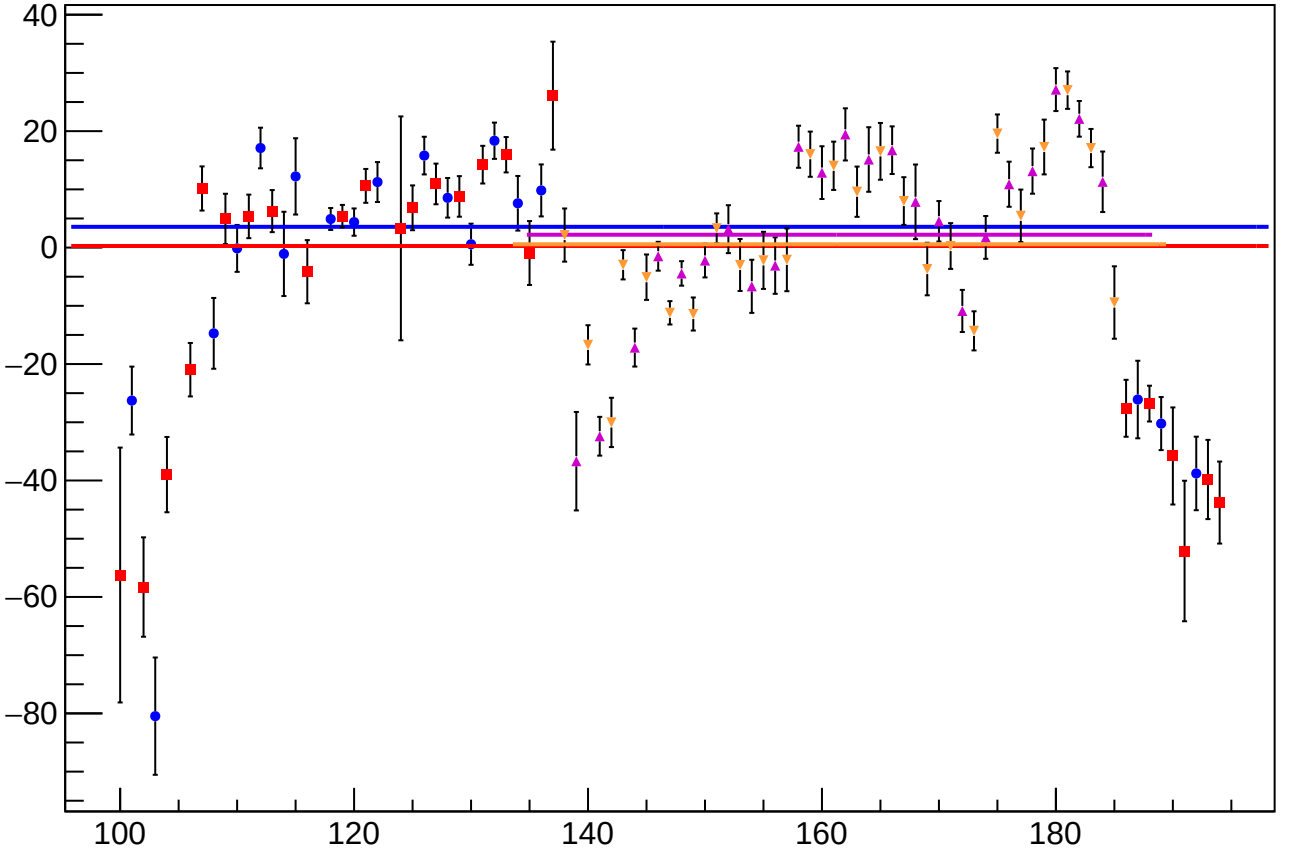
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 179.714+/-0.624 χ^2/NDF: 10153.3/43

All: 182.906+/-0.431 χ^2/NDF: 22218.0/91

- sign 185.830+/-0.597 χ^2/NDF: 12014.5/47

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: 0.277+/-0.823 χ^2/NDF: 437.7/24

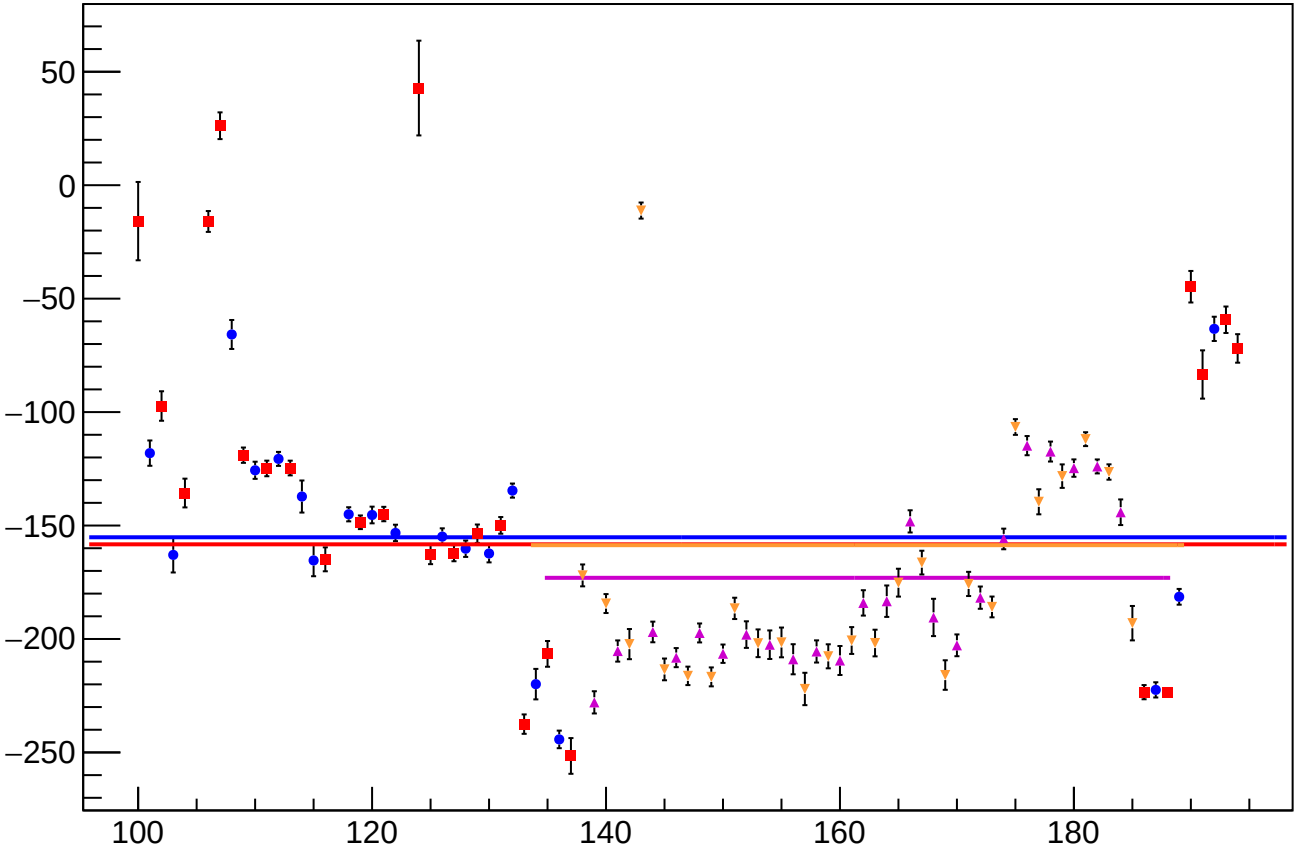
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 1.799+/-0.550 χ^2/NDF: 643.5/43

All: 1.564+/-0.392 χ^2/NDF: 1442.7/91

- sign 1.321+/-0.559 χ^2/NDF: 798.9/47

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: -158.280+/-0.811 χ^2/NDF: 5734.9/24

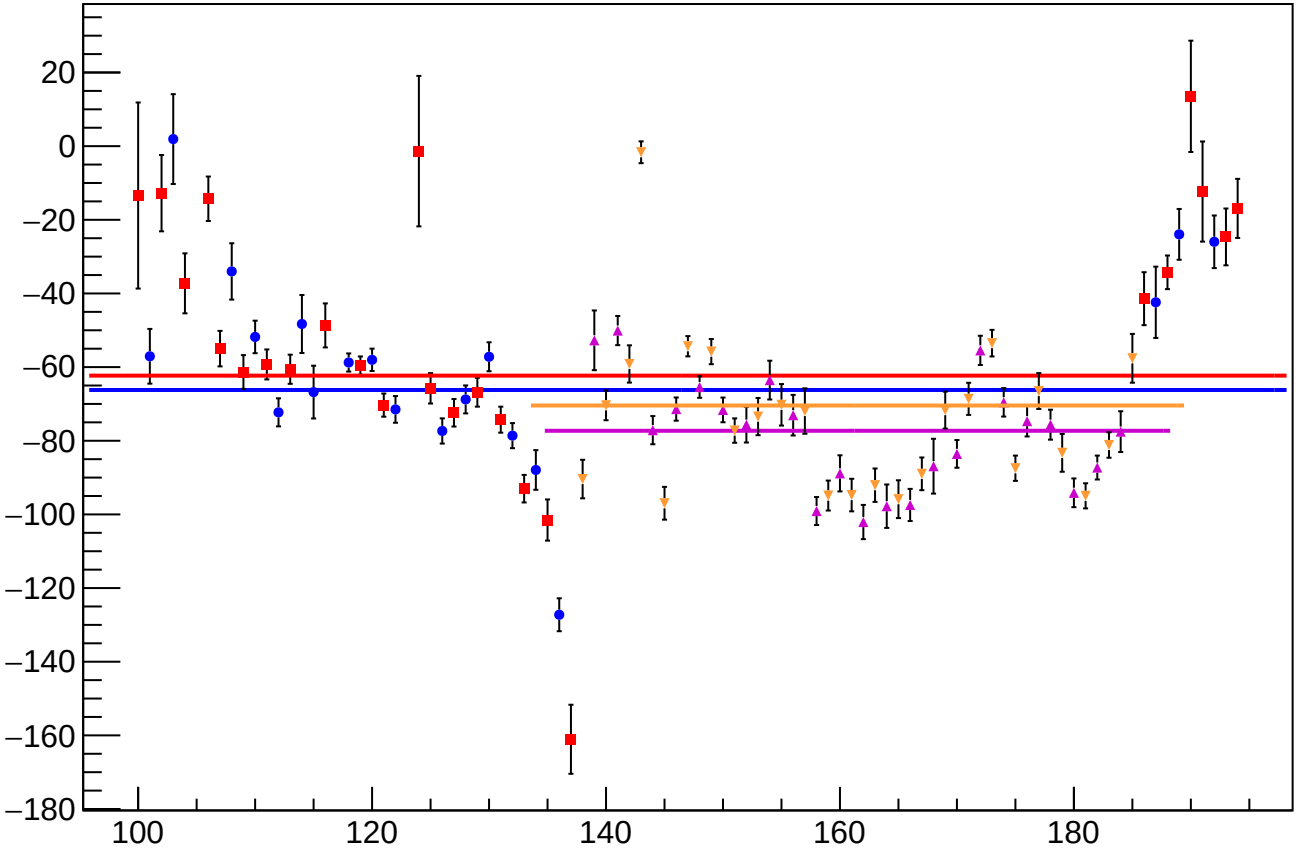
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -156.876+/-0.665 χ^2/NDF: 5378.9/43

All: -160.723+/-0.457 χ^2/NDF: 12709.6/91

- sign -164.165+/-0.629 χ^2/NDF: 7267.1/47

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: -62.316+/-0.970 χ^2/NDF: 513.4/24

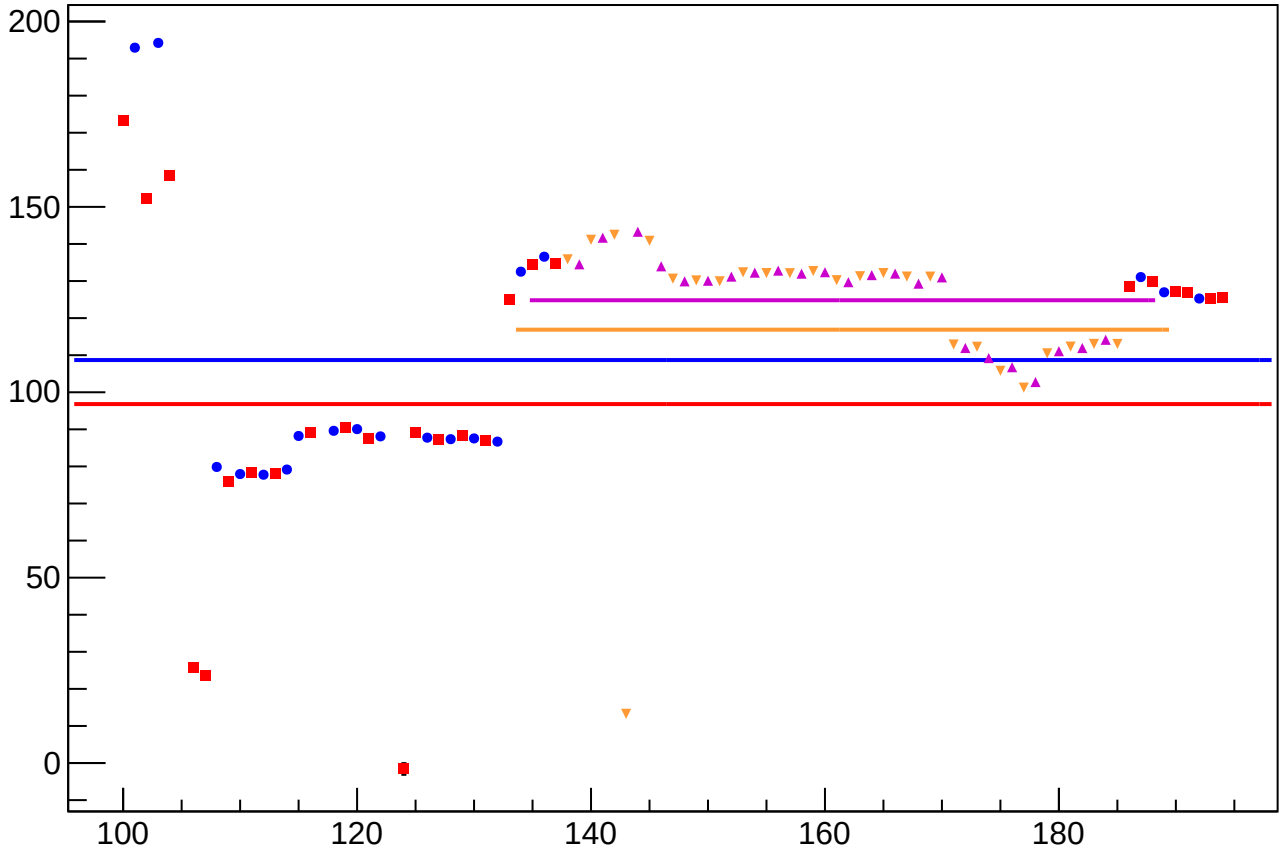
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -68.741+/-0.636 χ^2/NDF: 1306.9/43

All: -69.680+/-0.453 χ^2/NDF: 2211.6/91

- sign -70.648+/-0.646 χ^2/NDF: 900.3/47

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: 96.814+/-0.058 χ^2/NDF: 458233.2/24

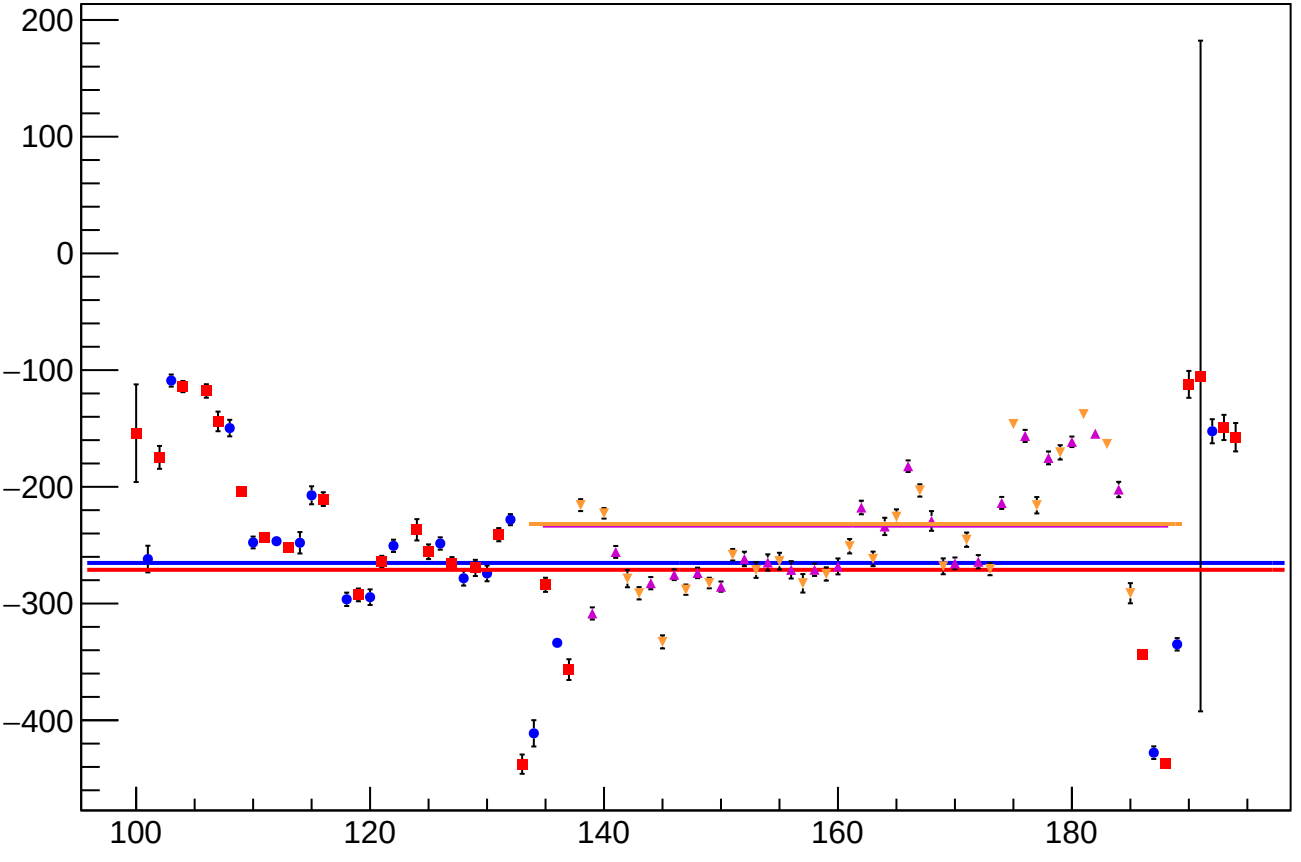
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 114.807+/-0.033 χ^2/NDF: 887171.8/43

All: 115.358+/-0.023 χ^2/NDF: 1595672.0/91

- sign 115.894+/-0.032 χ^2/NDF: 707947.9/47

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: -271.108+/-1.142 χ^2/NDF: 7182.8/24

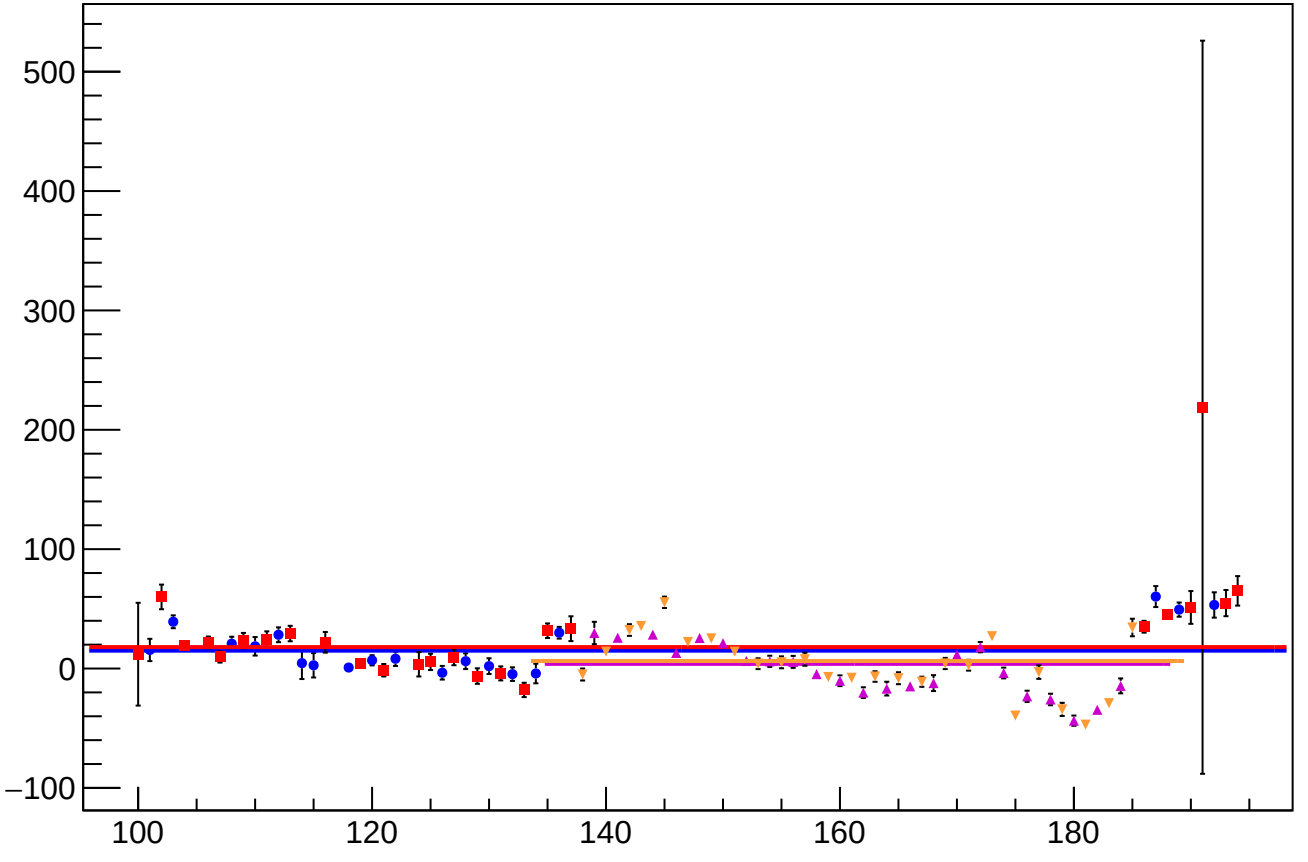
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -245.067+/-0.839 χ^2/NDF: 6084.9/43

All: -248.510+/-0.577 χ^2/NDF: 15932.5/91

- sign -251.600+/-0.795 χ^2/NDF: 9815.7/47

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: 17.949+/-1.233 χ^2/NDF: 223.6/24

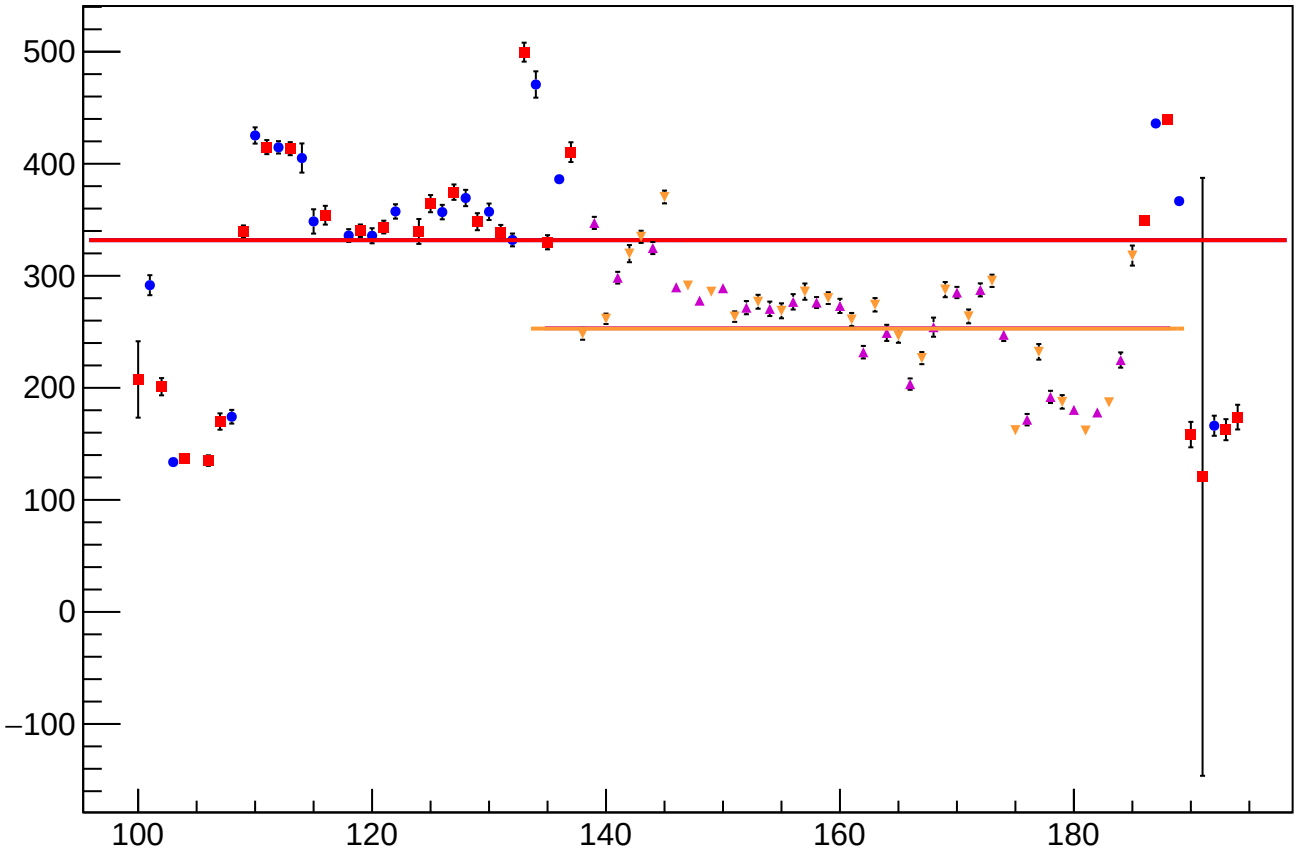
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

\+ sign 8.390+/-0.687 χ^2/NDF: 1066.4/43

All: 8.295+/-0.484 χ^2/NDF: 2030.4/91

\- sign 8.202+/-0.682 χ^2/NDF: 964.0/47

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: 331.805+/-1.143 χ^2/NDF: 9052.8/24

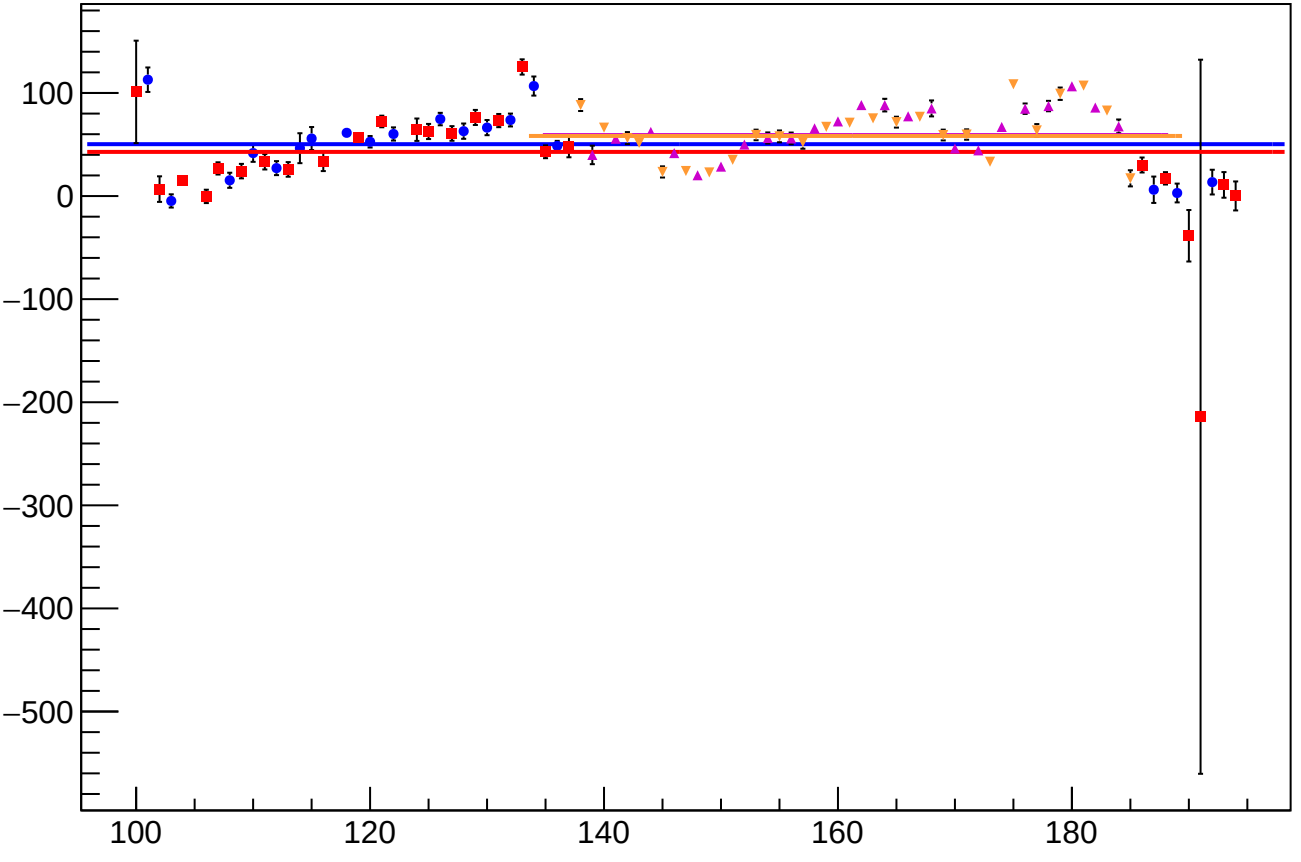
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 282.047+/-0.850 χ^2/NDF: 9394.4/43

All: 286.731+/-0.579 χ^2/NDF: 23029.5/91

- sign 290.778+/-0.790 χ^2/NDF: 13578.5/47

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

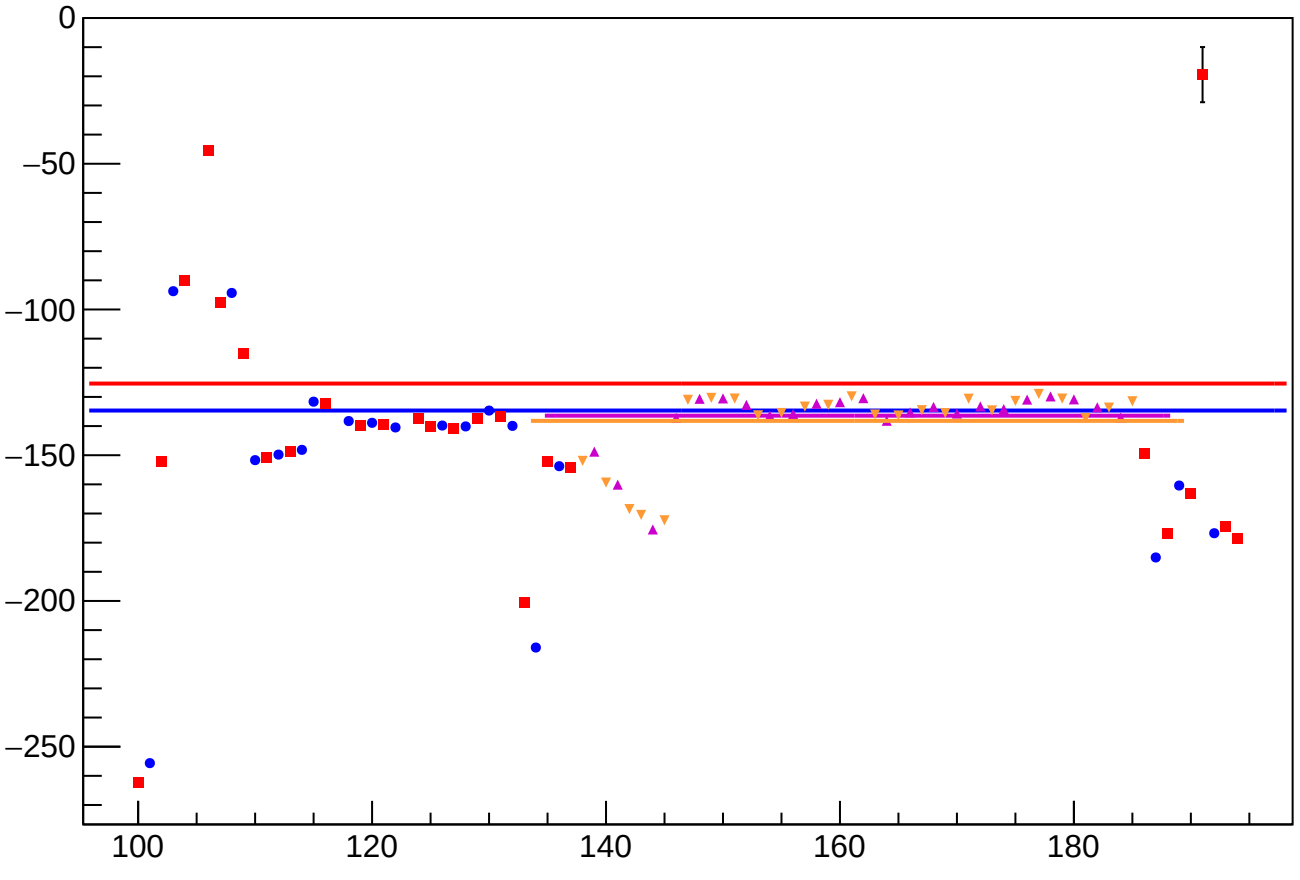
Right Out: 42.838+/-1.485 χ^2/NDF: 379.7/24

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 56.425+/-0.797 χ^2/NDF: 1137.3/43

All: 55.455+/-0.562 χ^2/NDF: 2238.7/91

- sign 54.494+/-0.793 χ^2/NDF: 1098.4/47



Right In: -134.669+/-0.086 χ^2/NDF: 197544.2/18

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -125.412+/-0.078 χ^2/NDF: 281900.4/24

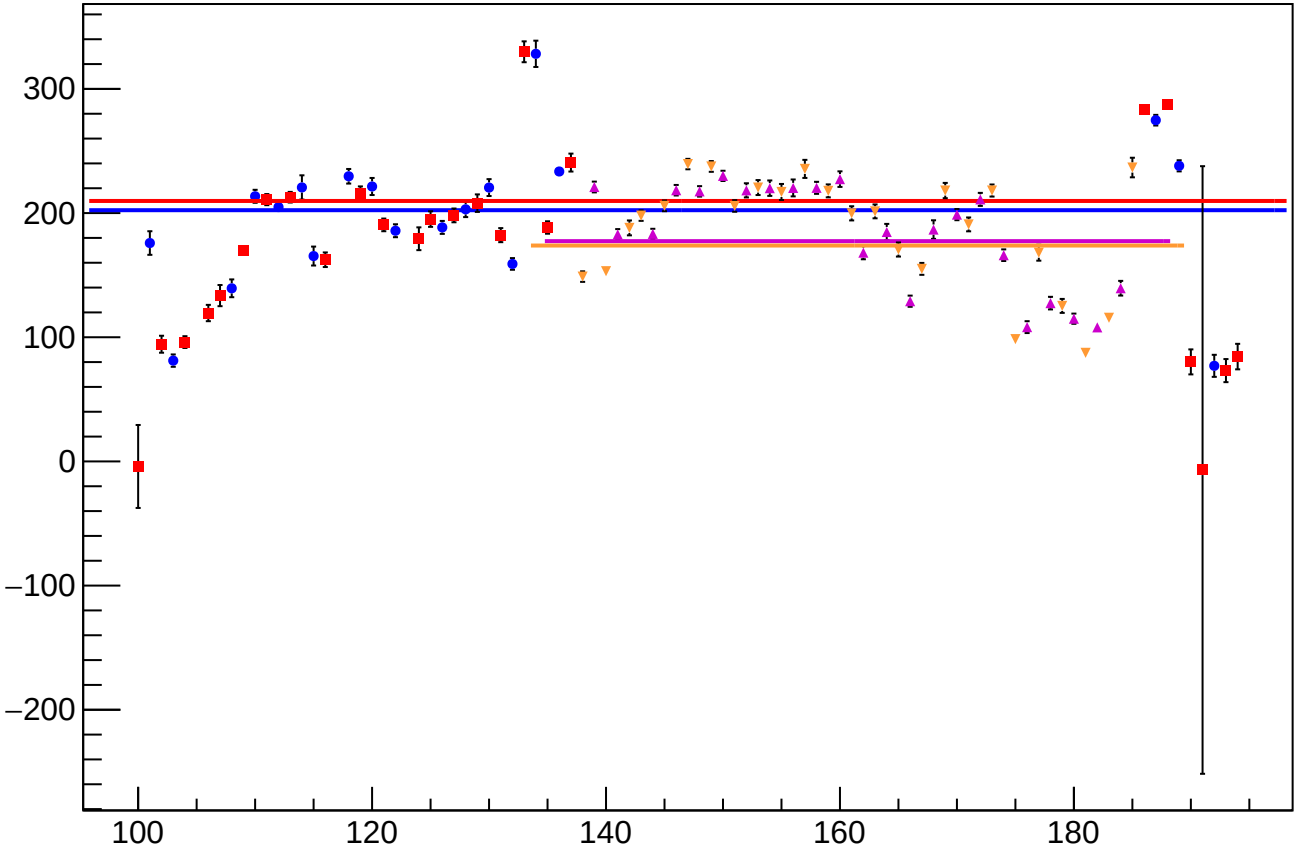
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -137.522+/-0.038 χ^2/NDF: 280739.9/43

All: -135.676+/-0.027 χ^2/NDF: 632347.3/91

- sign -133.881+/-0.038 χ^2/NDF: 346978.4/47

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: 209.755+/-1.075 χ^2/NDF: 3703.9/24

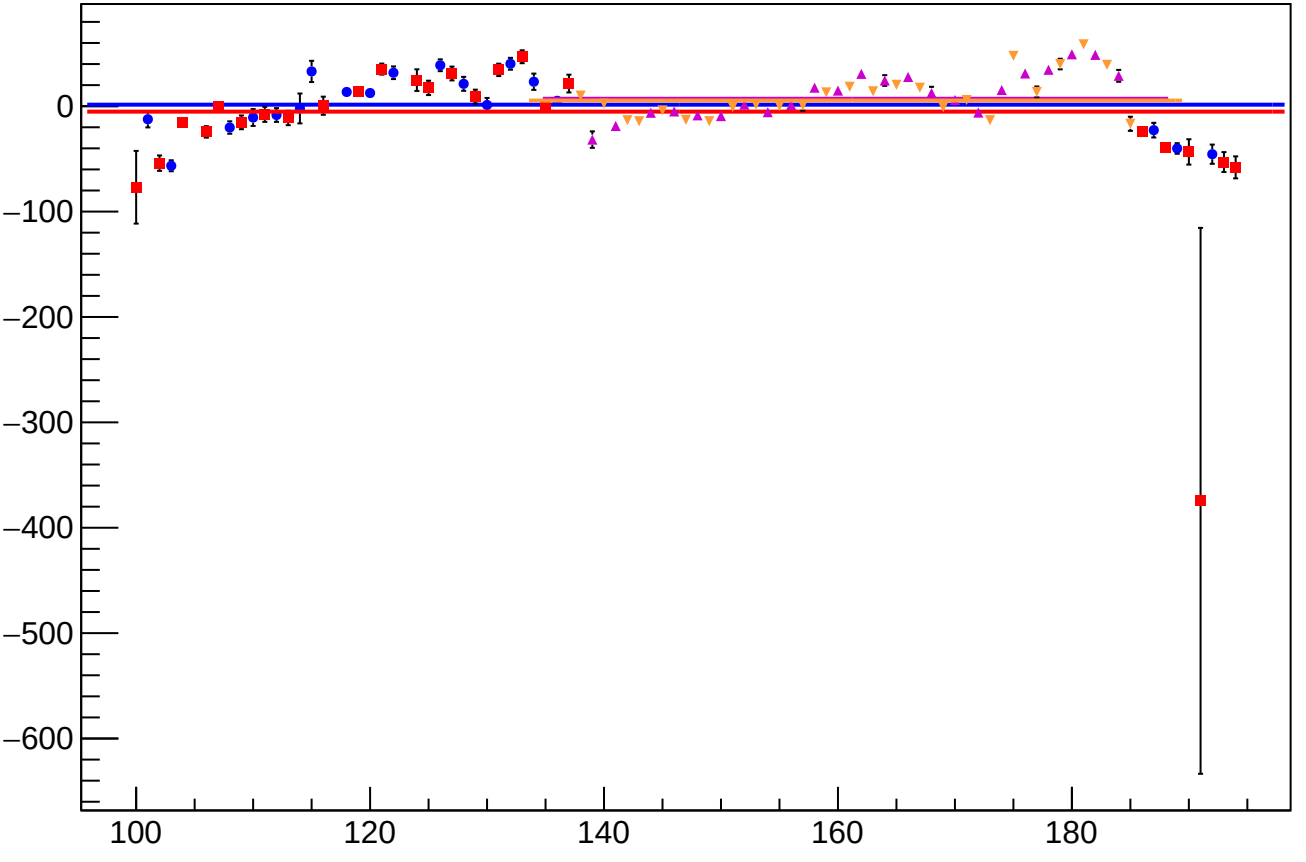
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 184.259+/-0.766 χ^2/NDF: 4564.1/43

All: 188.491+/-0.529 χ^2/NDF: 10776.6/91

- sign 192.336+/-0.731 χ^2/NDF: 6154.3/47

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: -5.151+/-1.180 χ^2/NDF: 539.0/24

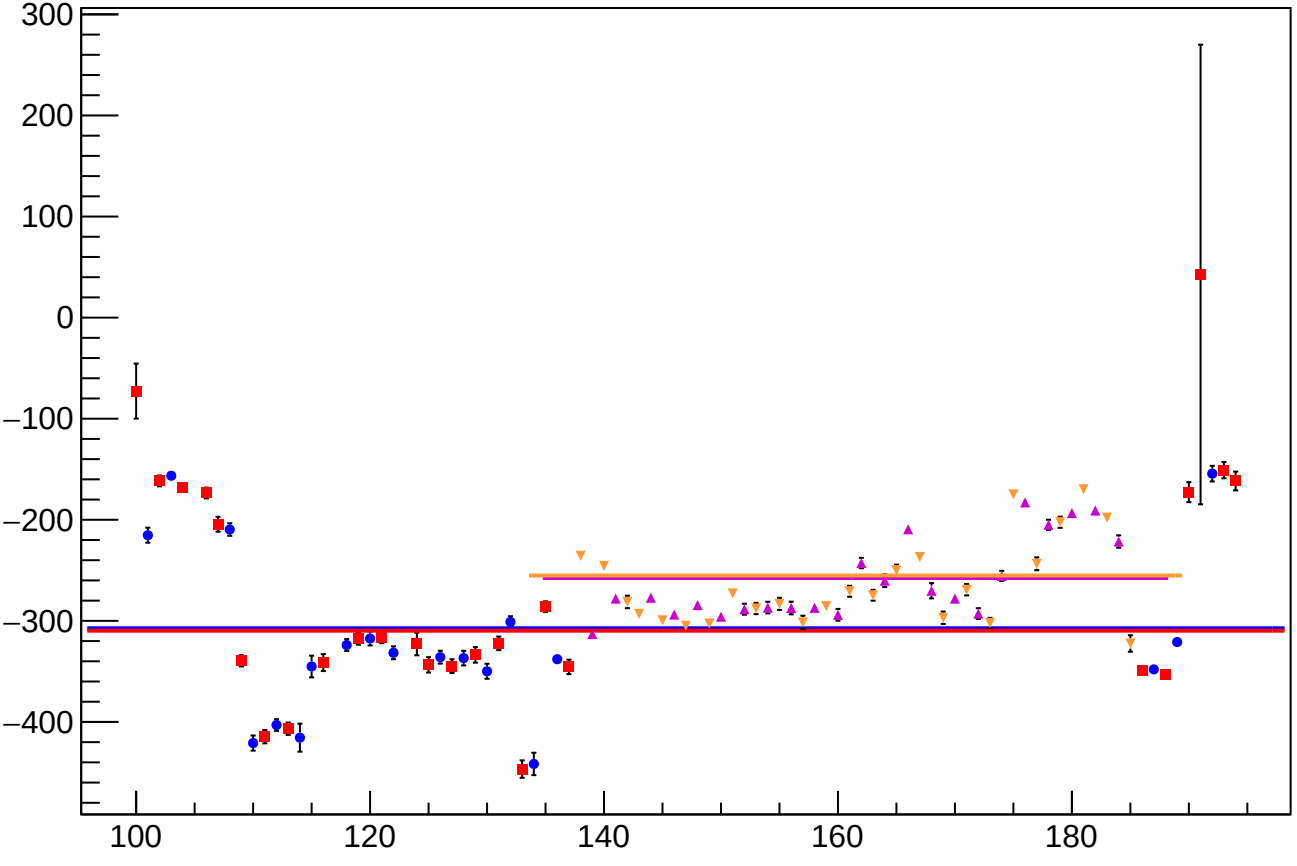
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 4.511+/-0.628 χ^2/NDF: 1230.7/43

All: 4.057+/-0.444 χ^2/NDF: 2557.2/91

- sign 3.604+/-0.628 χ^2/NDF: 1325.5/47

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: -309.700+/-1.042 χ^2/NDF: 5600.8/24

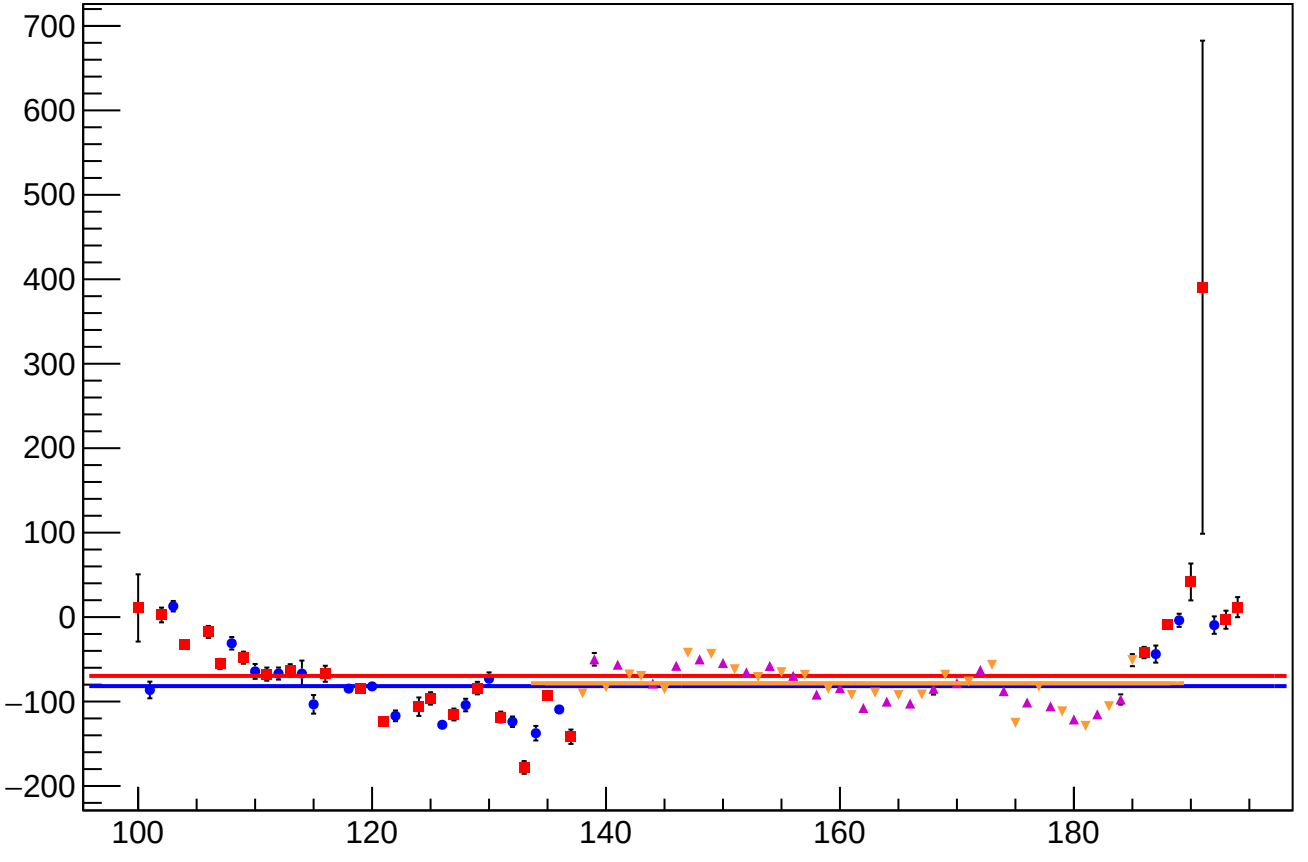
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -273.568+/-0.769 χ^2/NDF: 6729.9/43

All: -278.177+/-0.524 χ^2/NDF: 15525.6/91

- sign -282.171+/-0.716 χ^2/NDF: 8728.7/47

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: -69.669+/-1.429 χ^2/NDF: 1019.7/24

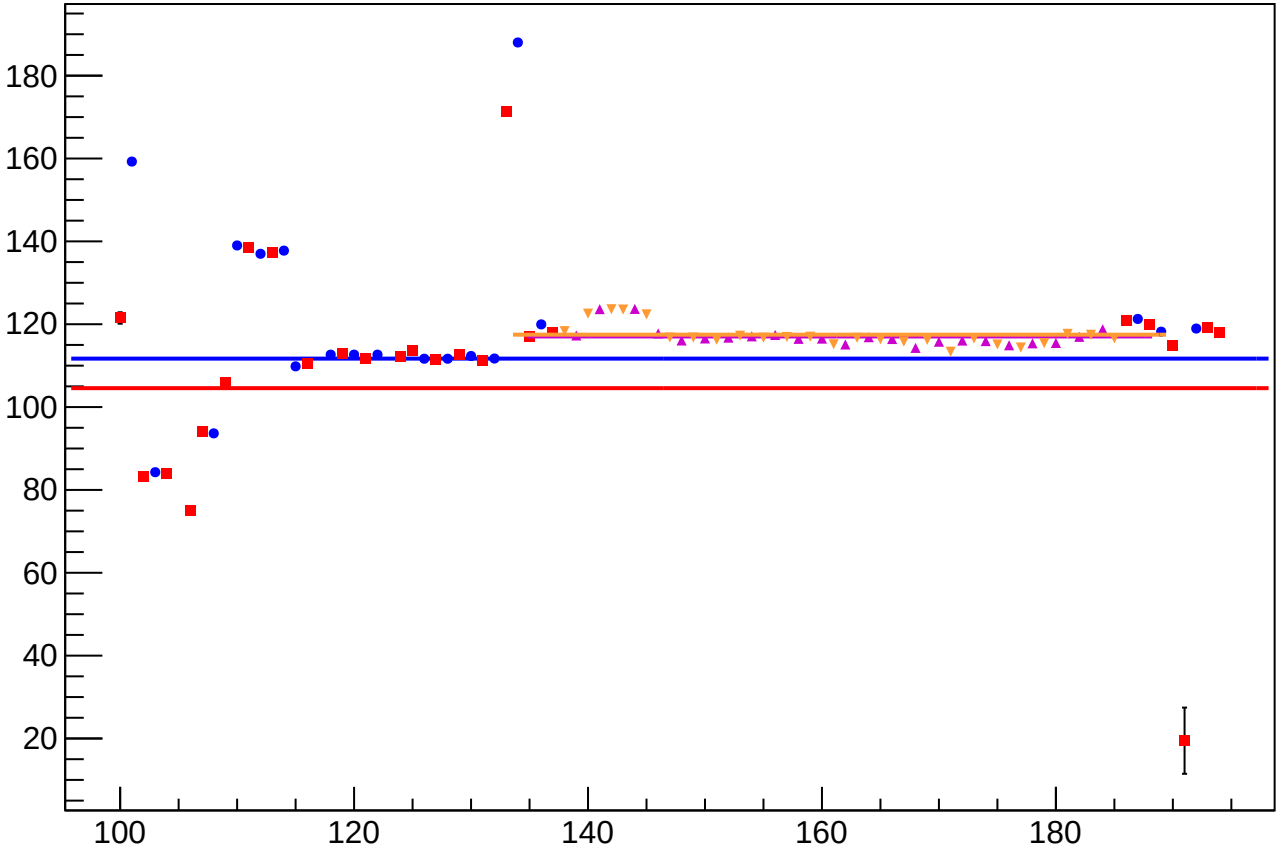
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -79.021+/-0.727 χ^2/NDF: 1561.7/43

All: -77.823+/-0.515 χ^2/NDF: 3321.5/91

- sign -76.616+/-0.730 χ^2/NDF: 1754.3/47

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: 104.567+/-0.072 χ^2/NDF: 72255.6/24

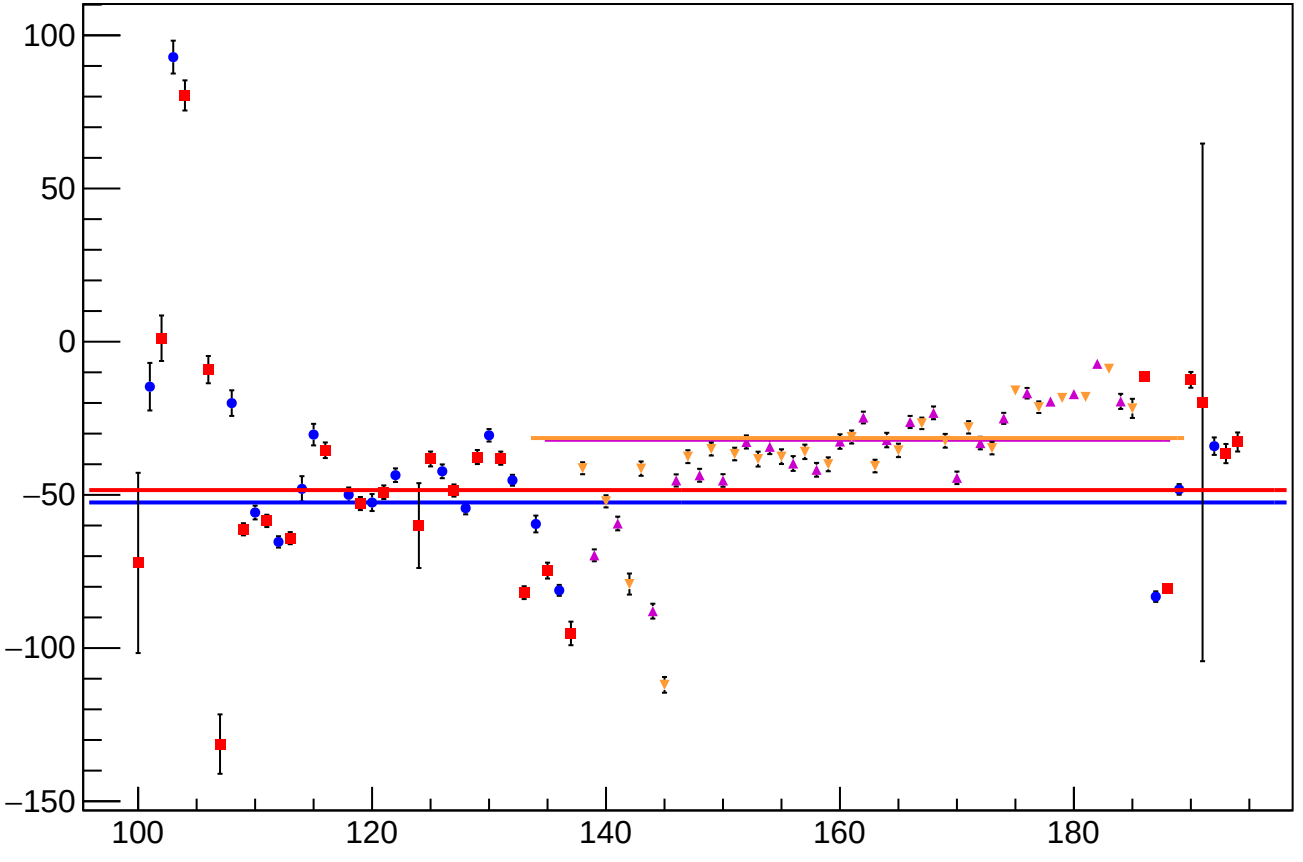
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.419+/-0.034 χ^2/NDF: 93708.8/43

All: 115.344+/-0.024 χ^2/NDF: 194348.4/91

- sign 114.287+/-0.034 χ^2/NDF: 98697.7/47

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: -48.438+/-0.448 χ^2/NDF: 4118.9/24

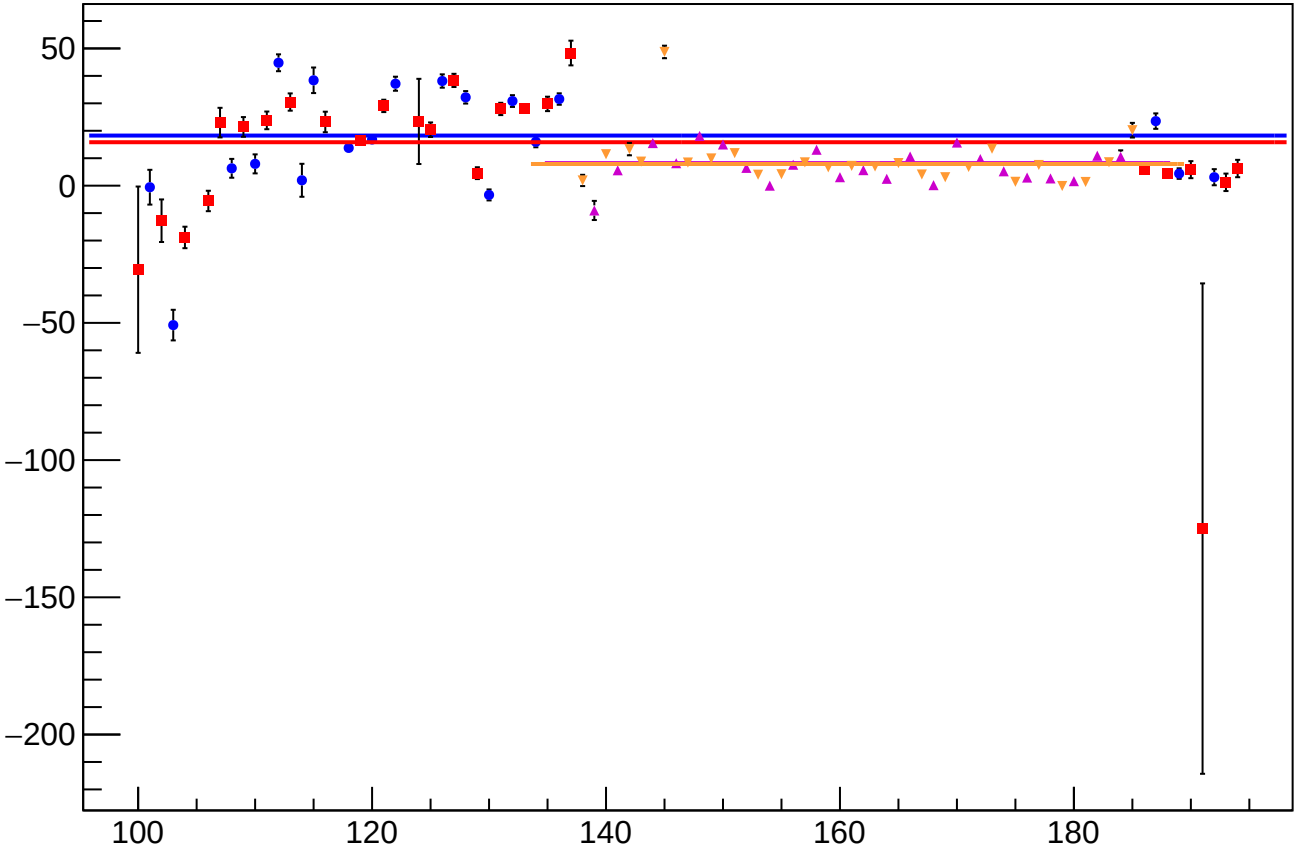
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

\+ sign -38.943+/-0.320 χ^2/NDF: 4689.7/43

All: -39.229+/-0.220 χ^2/NDF: 11456.6/91

\- sign -39.485+/-0.302 χ^2/NDF: 6765.3/47

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: 15.830+/-0.500 χ^2/NDF: 660.3/24

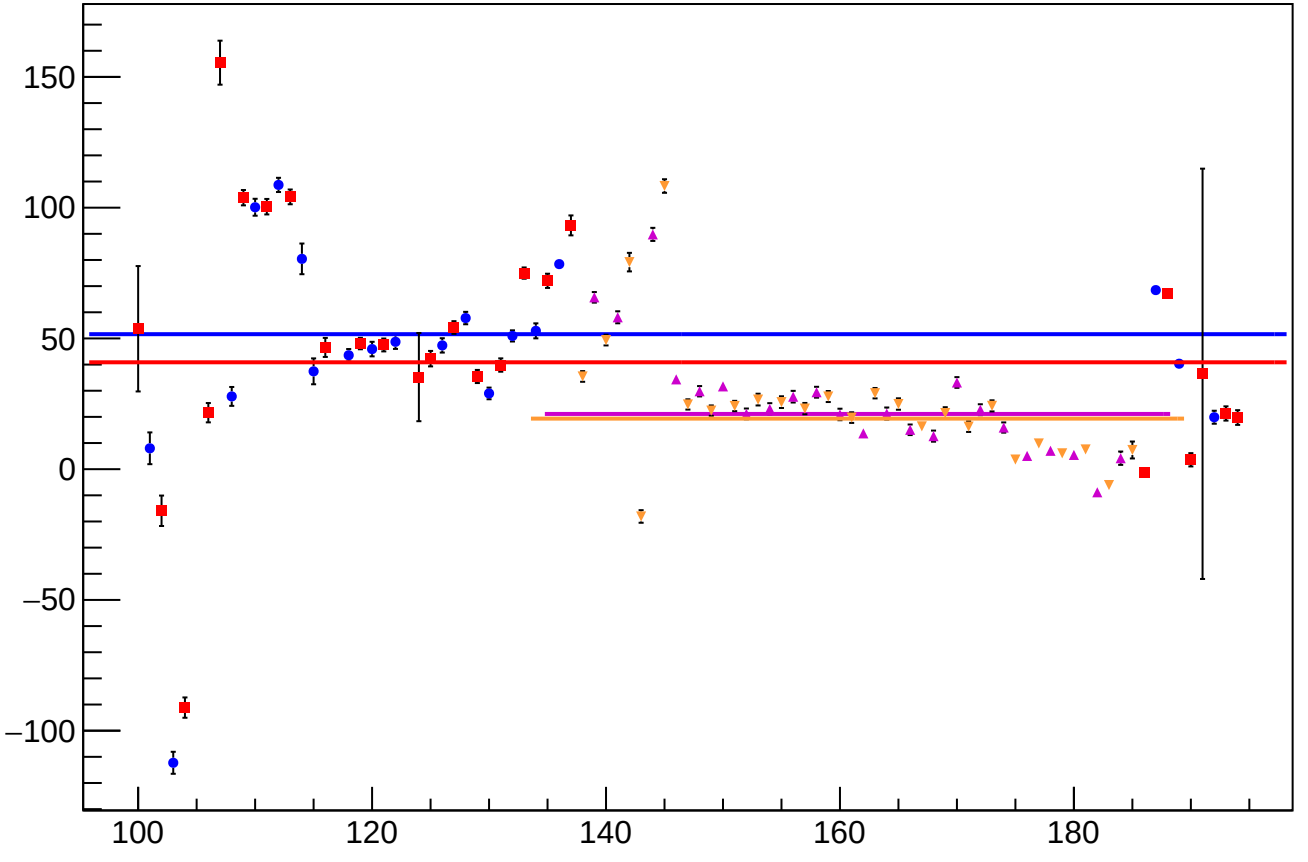
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

\+ sign 10.250+/-0.267 χ^2/NDF: 1481.7/43

All: 10.321+/-0.189 χ^2/NDF: 2646.7/91

\- sign 10.392+/-0.267 χ^2/NDF: 1164.8/47

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: 40.873+/-0.431 χ^2/NDF: 7355.3/24

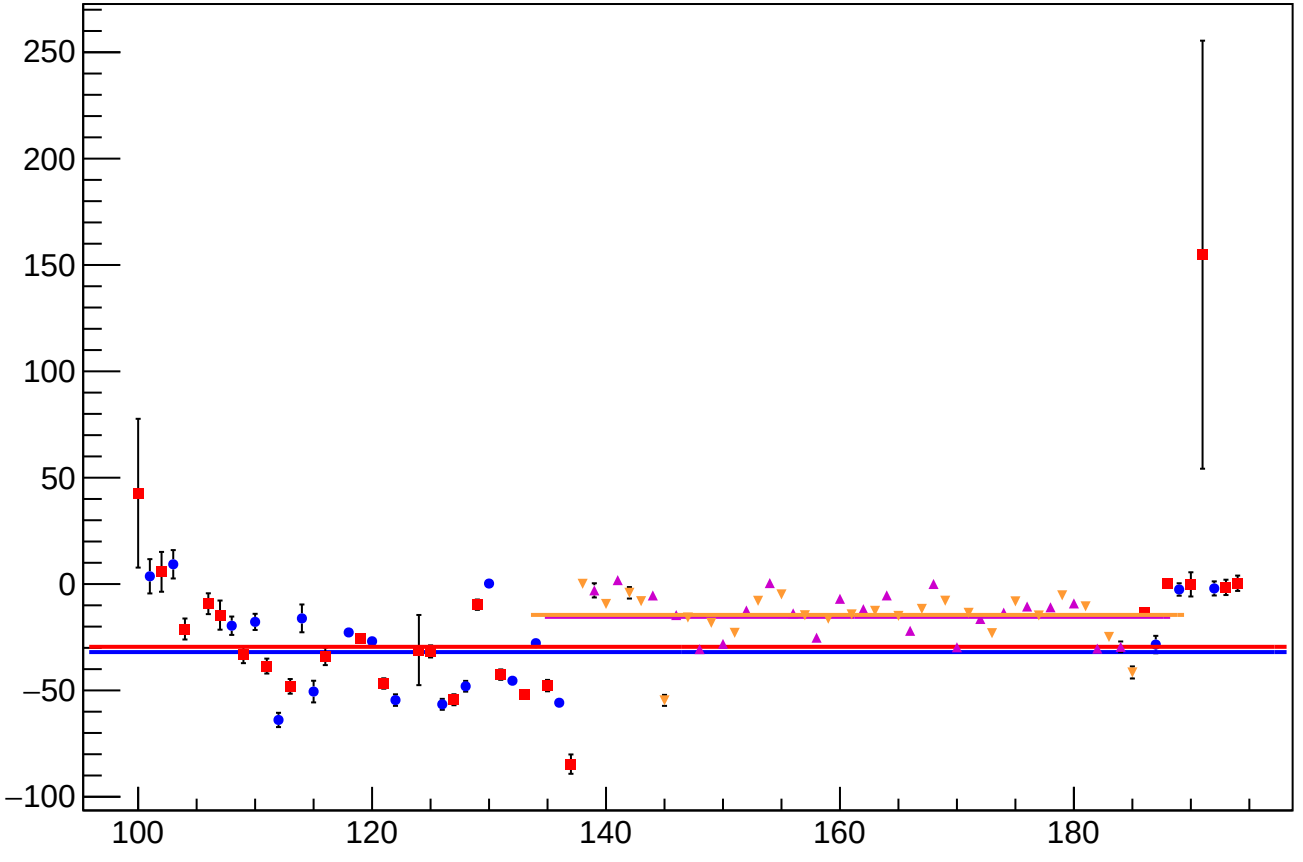
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

+ sign 30.079+/-0.323 χ^2/NDF: 7923.8/43

All: 30.238+/-0.218 χ^2/NDF: 18899.0/91

- sign 30.371+/-0.295 χ^2/NDF: 10974.7/47

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: -29.505+/-0.613 χ^2/NDF: 1101.4/24

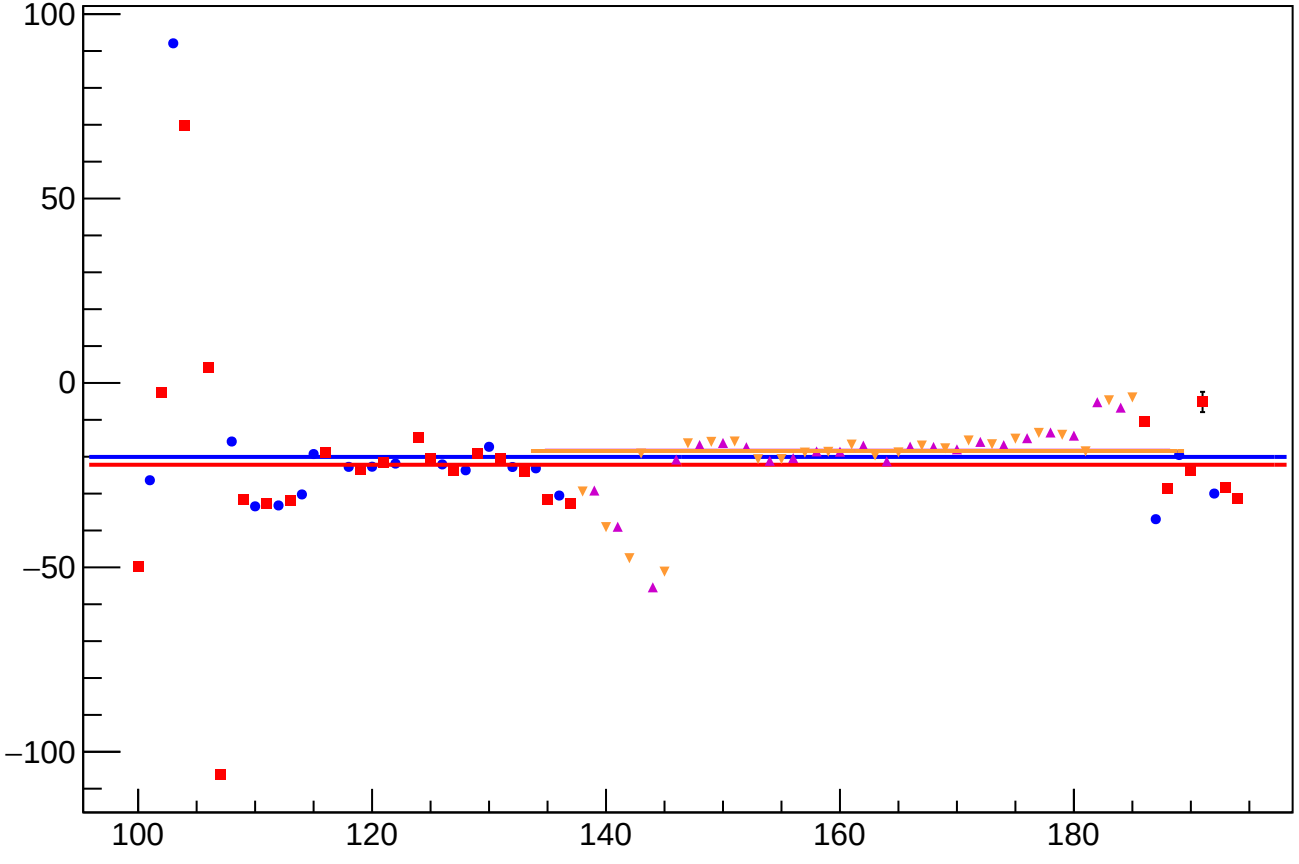
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

\+ sign -18.250+/-0.305 χ^2/NDF: 2171.4/43

All: -18.602+/-0.216 χ^2/NDF: 4469.6/91

\- sign -18.960+/-0.307 χ^2/NDF: 2295.5/47

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: -22.179+/-0.035 χ^2/NDF: 370974.1/24

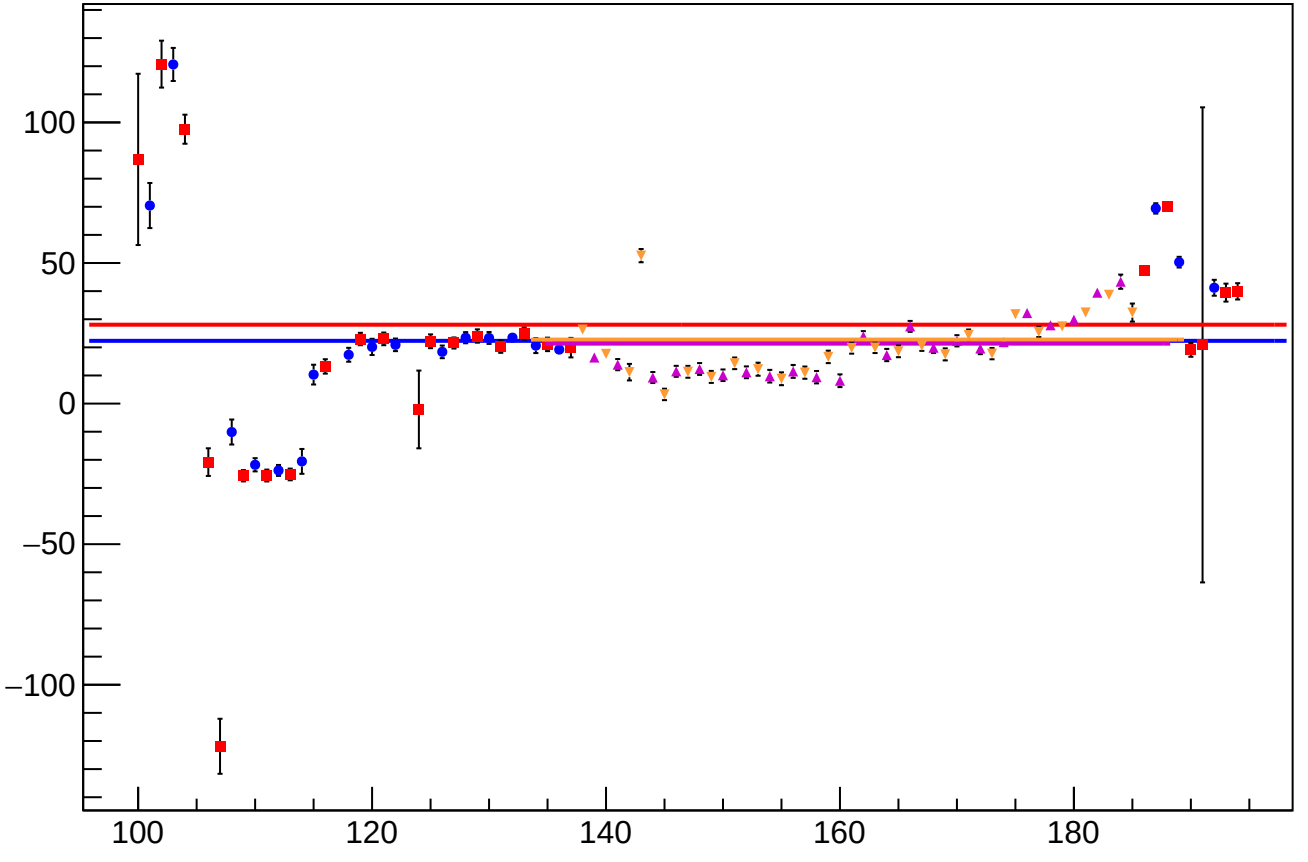
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -18.682+/-0.014 χ^2/NDF: 740220.3/43

All: -18.851+/-0.010 χ^2/NDF: 1371362.6/91

- sign -19.021+/-0.014 χ^2/NDF: 630863.3/47

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: 28.061+/-0.471 χ^2/NDF: 4552.8/24

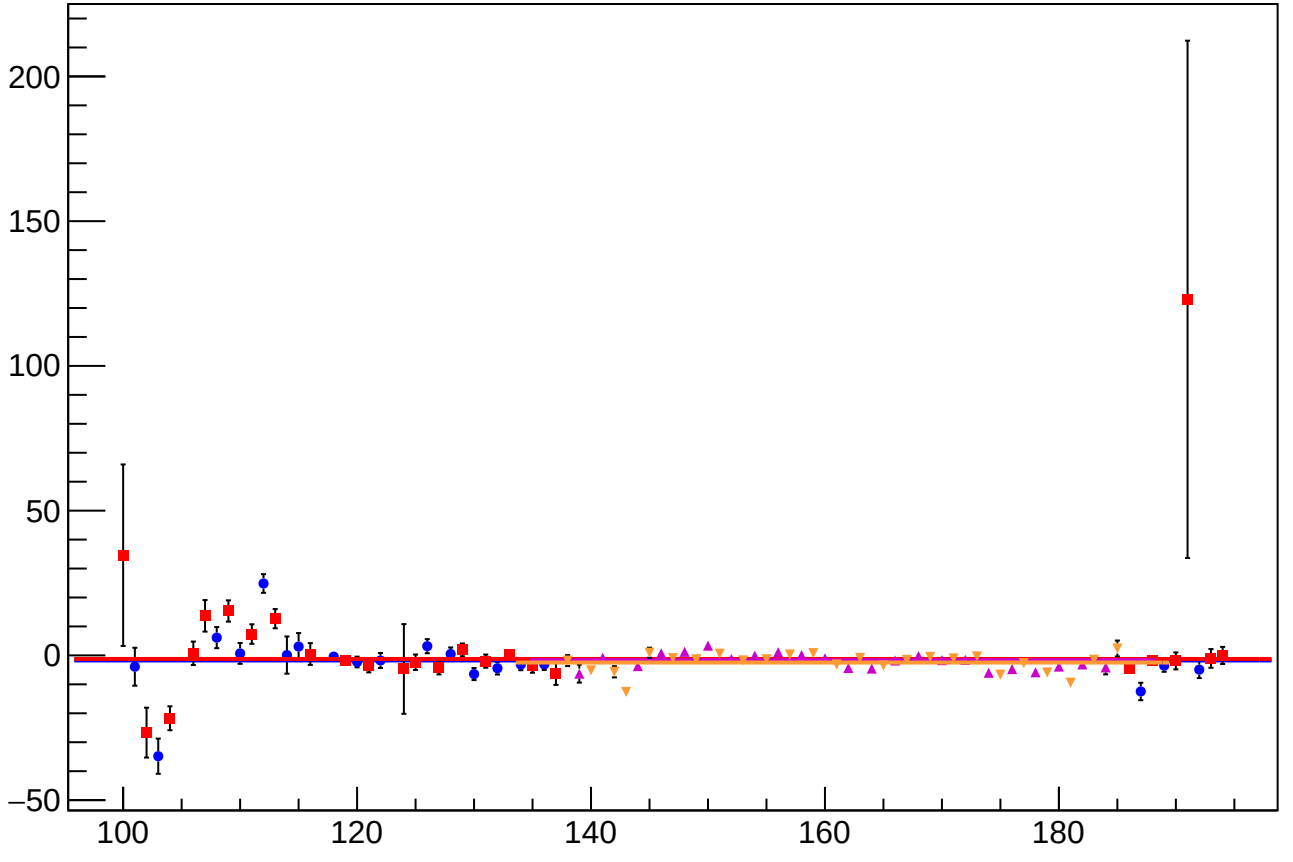
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 22.620+/-0.314 χ^2/NDF: 3039.6/43

All: 23.381+/-0.217 χ^2/NDF: 8354.3/91

- sign 24.086+/-0.302 χ^2/NDF: 5303.3/47

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: -1.236+/-0.524 χ^2/NDF: 101.5/24

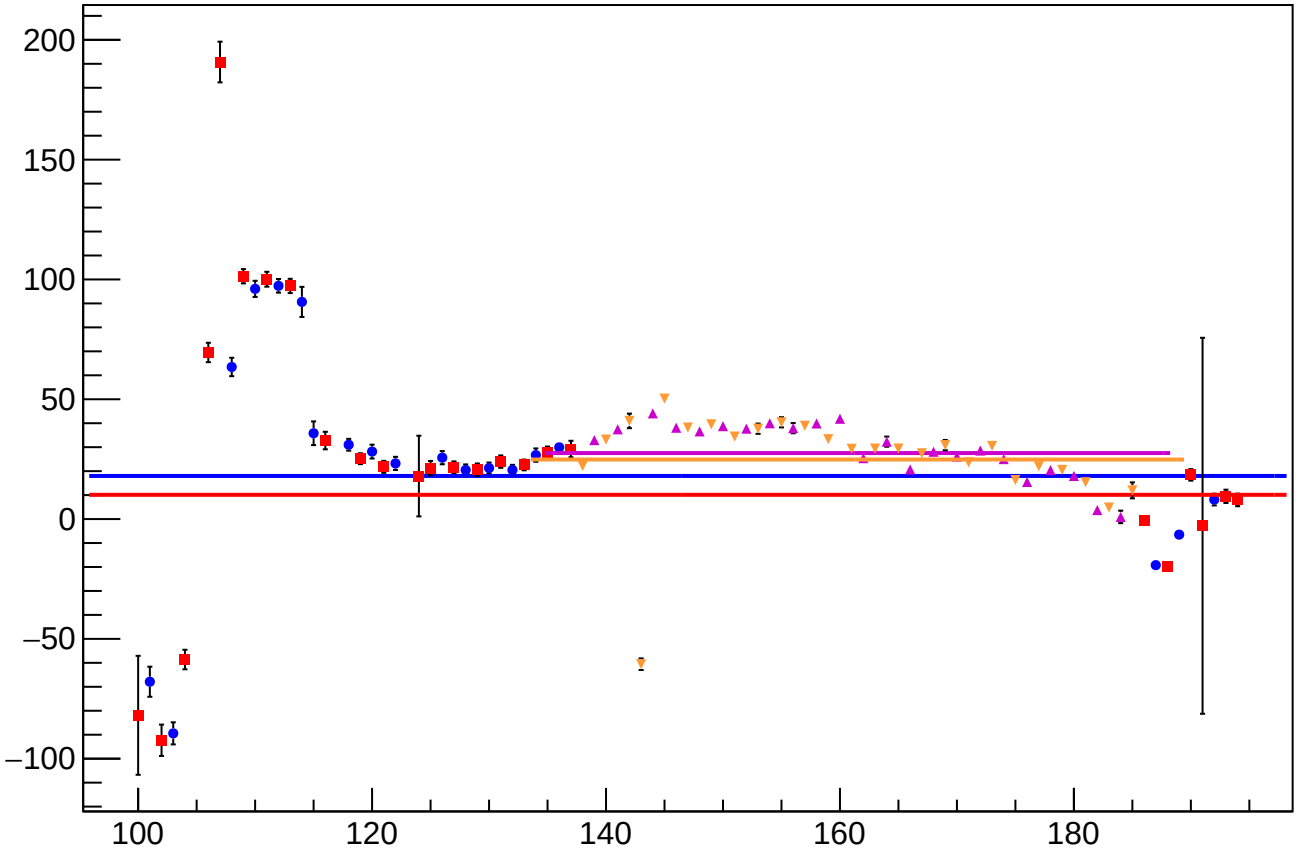
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.318+/-0.261 χ^2/NDF: 250.4/43

All: -1.939+/-0.185 χ^2/NDF: 426.8/91

- sign -1.553+/-0.263 χ^2/NDF: 172.2/47

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: 10.116+/-0.463 χ^2/NDF: 5456.8/24

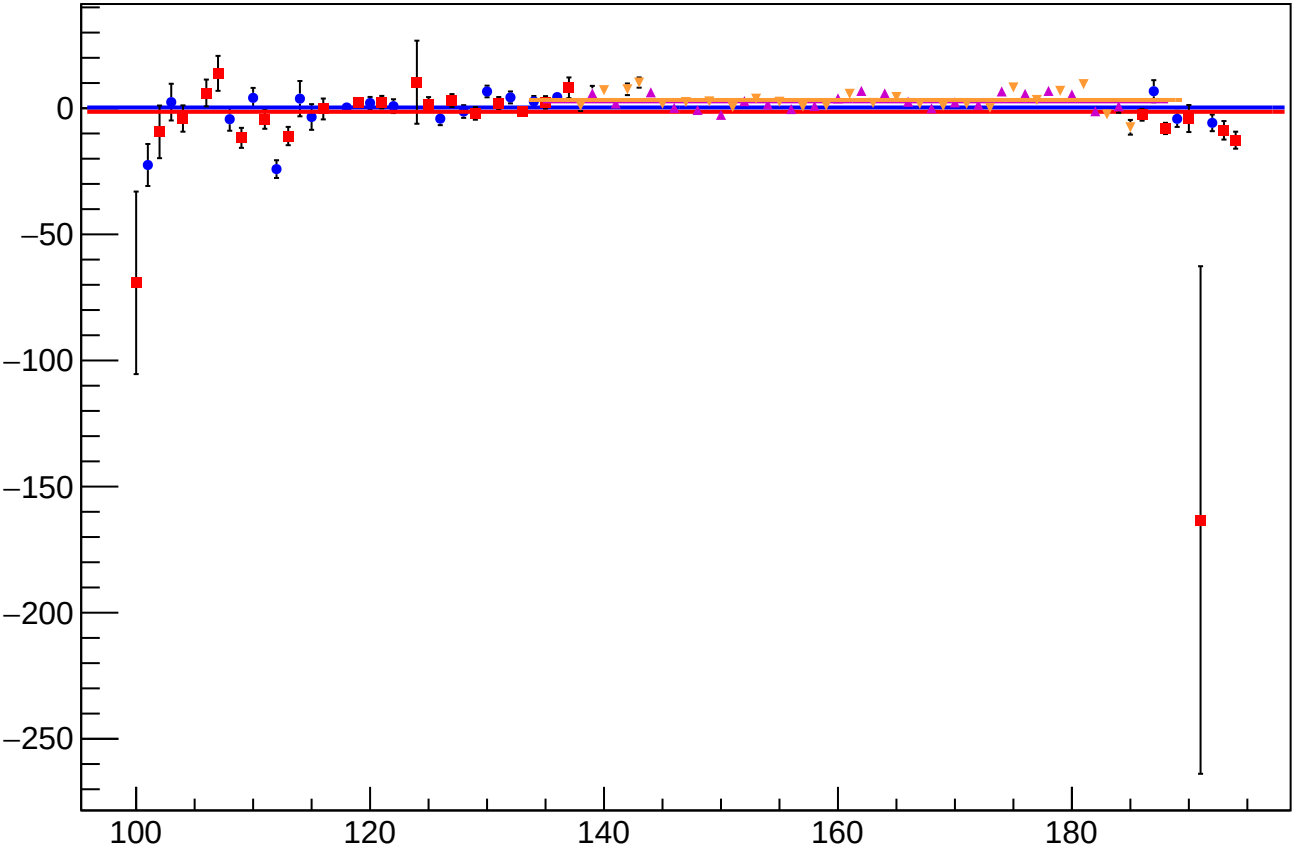
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 22.770+/-0.317 χ^2/NDF: 5443.7/43

All: 21.474+/-0.217 χ^2/NDF: 12646.2/91

- sign 20.331+/-0.298 χ^2/NDF: 7171.0/47

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: -1.409+/-0.635 χ^2/NDF: 72.9/24

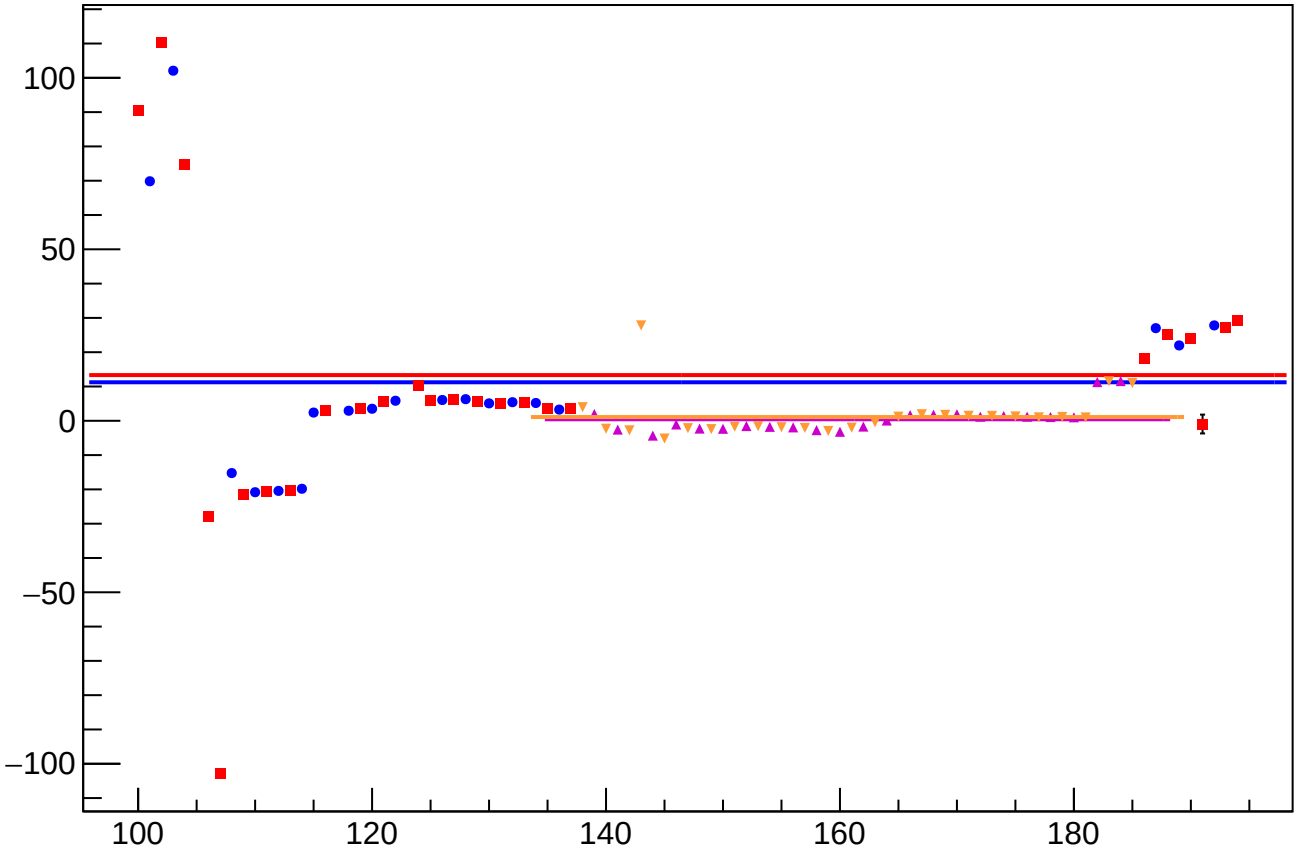
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.695+/-0.297 χ^2/NDF: 208.6/43

All: 2.254+/-0.211 χ^2/NDF: 393.4/91

- sign 1.799+/-0.301 χ^2/NDF: 180.3/47

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: 13.327+/-0.035 χ^2/NDF: 531521.0/24

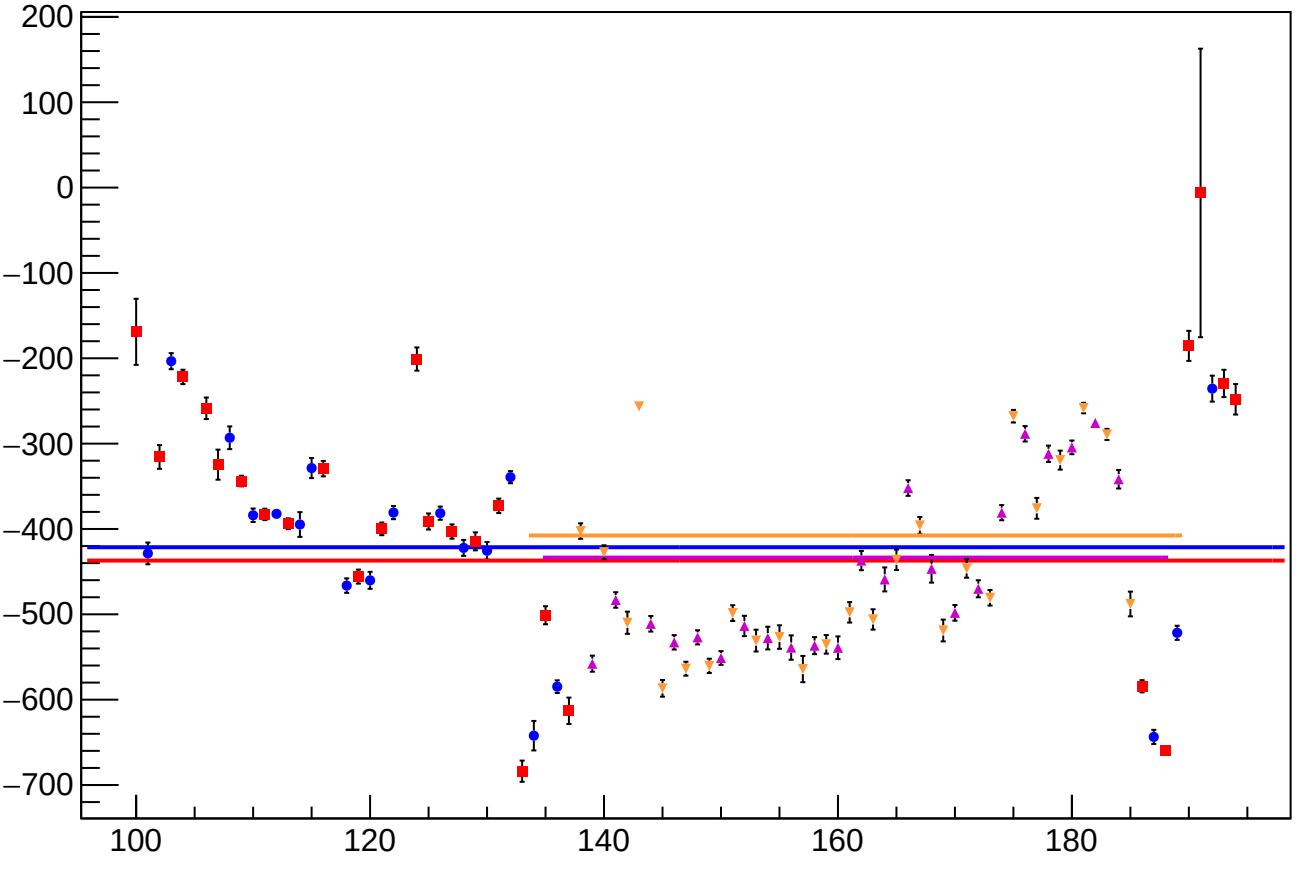
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 2.463+/-0.014 χ^2/NDF: 559294.2/43

All: 2.446+/-0.010 χ^2/NDF: 1256730.0/91

- sign 2.429+/-0.014 χ^2/NDF: 697432.9/47

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: -437.017+/-1.816 χ^2/NDF: 5978.9/24

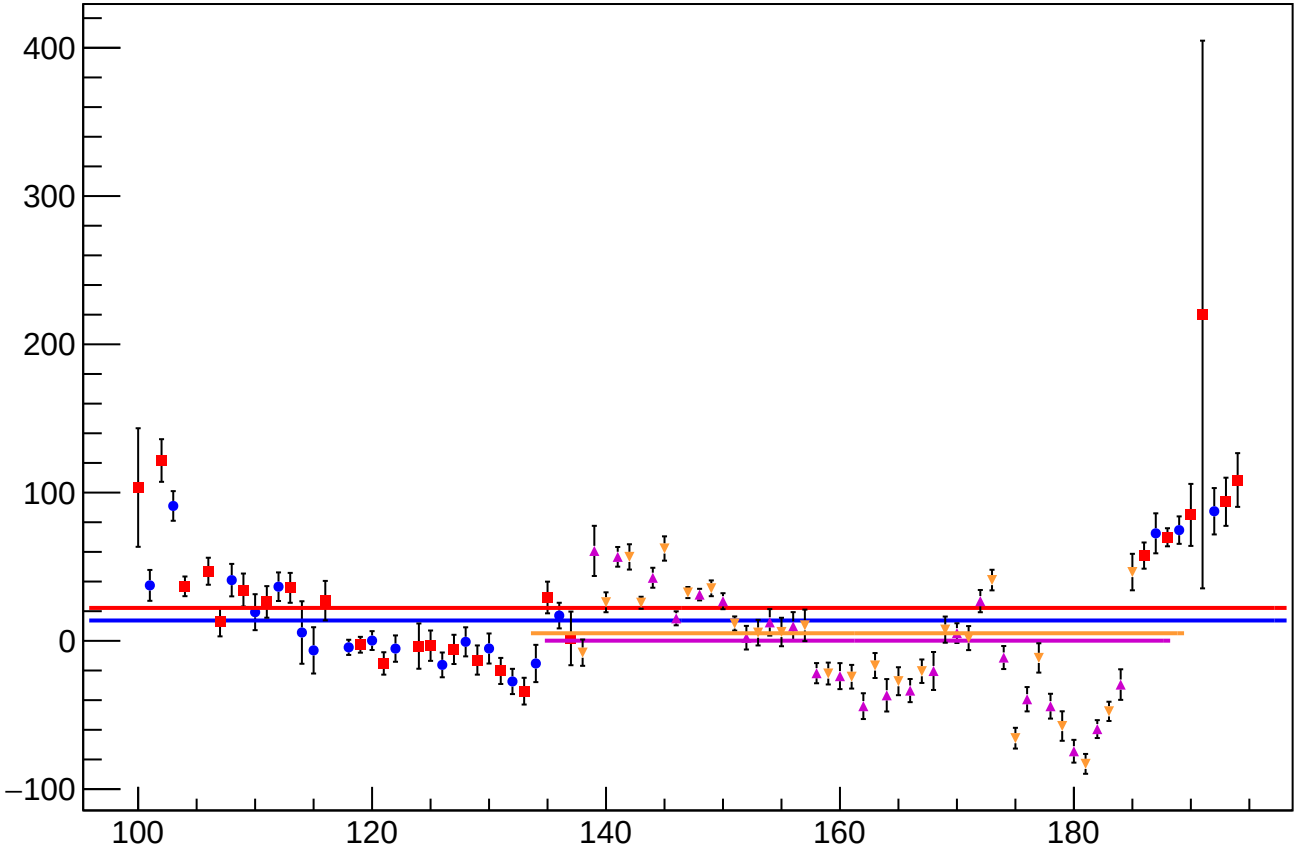
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -413.800+/-1.387 χ^2/NDF: 6681.1/43

All: -424.970+/-0.964 χ^2/NDF: 15511.9/91

- sign -435.435+/-1.342 χ^2/NDF: 8705.1/47

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: 22.210+/-1.976 χ^2/NDF: 337.5/24

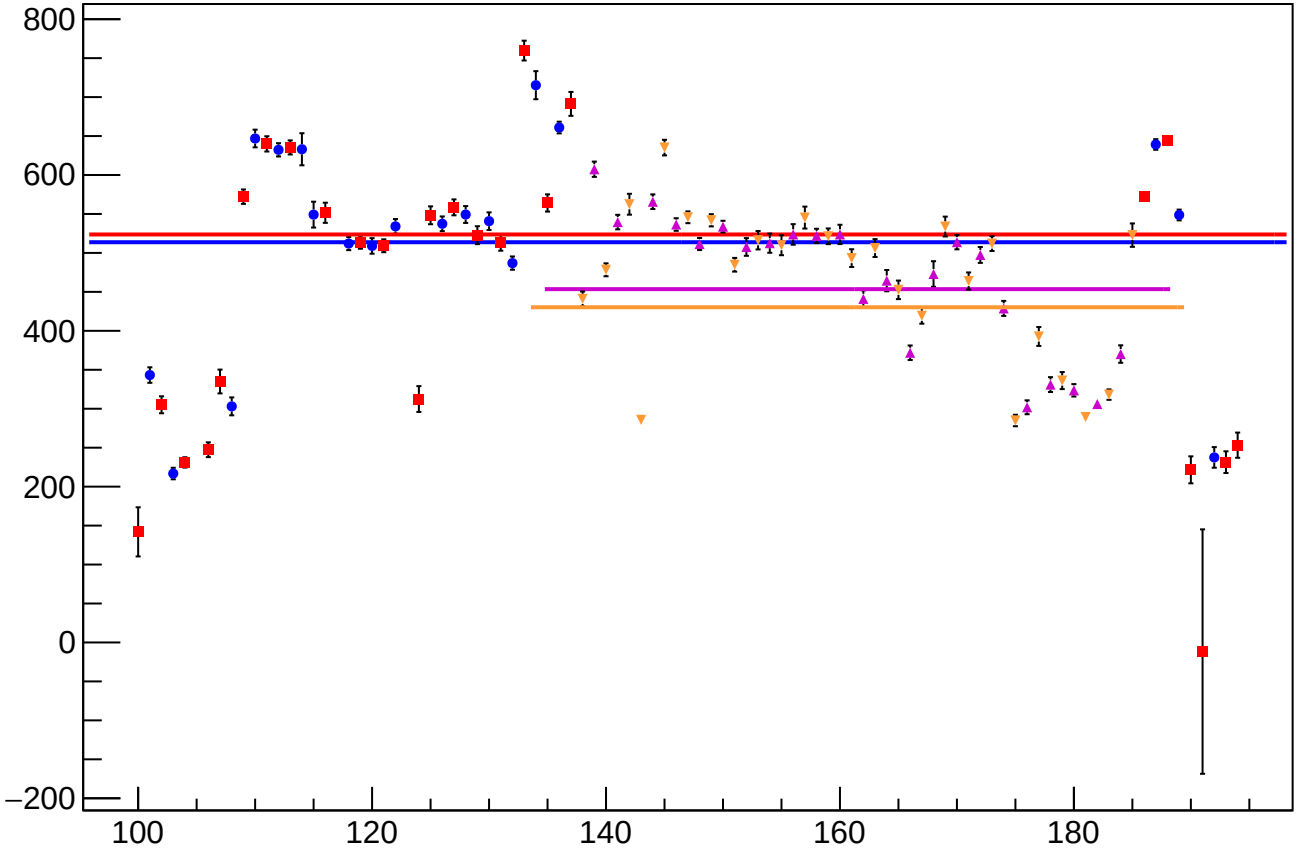
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 7.633+/-1.161 χ^2/NDF: 932.6/43

All: 7.872+/-0.831 χ^2/NDF: 1918.4/91

- sign 8.124+/-1.189 χ^2/NDF: 985.7/47

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: 523.667+/-1.834 χ^2/NDF: 6758.2/24

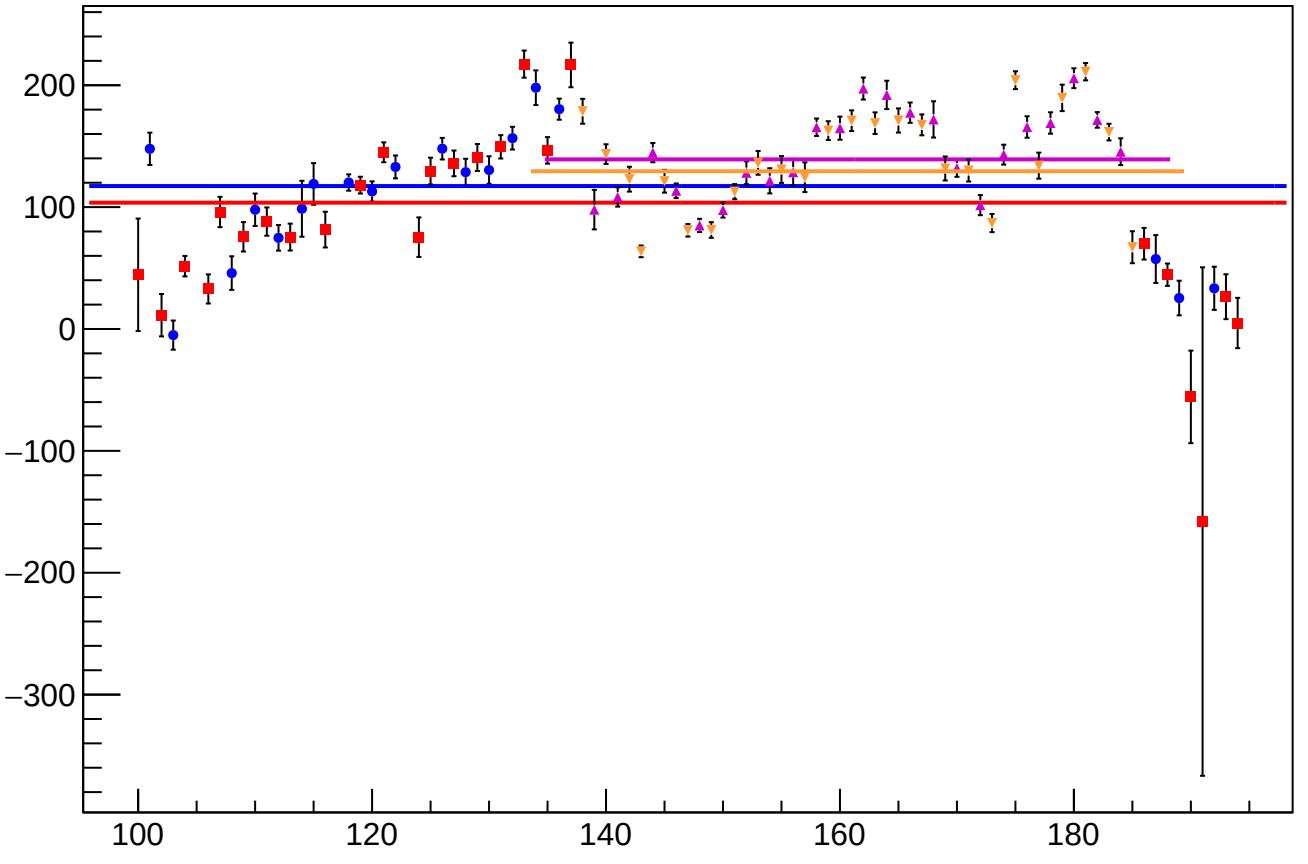
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 465.299+/-1.417 χ^2/NDF: 8206.1/43

All: 478.913+/-0.975 χ^2/NDF: 18237.3/91

- sign 491.148+/-1.344 χ^2/NDF: 9856.1/47

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: 103.648+/-2.368 χ^2/NDF: 468.0/24

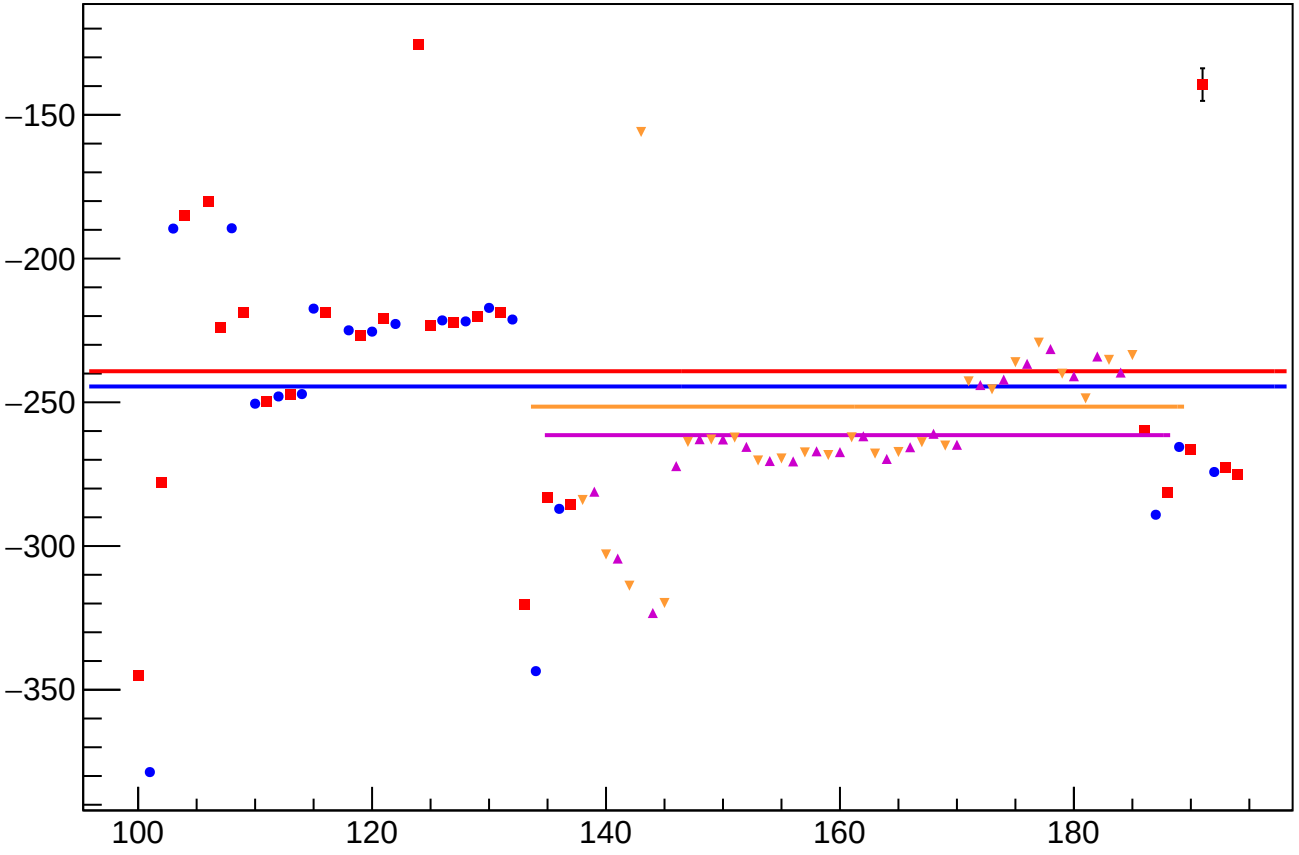
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 125.983+/-1.349 χ^2/NDF: 1181.0/43

All: 126.499+/-0.966 χ^2/NDF: 2231.5/91

- sign 127.042+/-1.384 χ^2/NDF: 1050.2/47

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: -239.191+/-0.131 χ^2/NDF: 102992.6/24

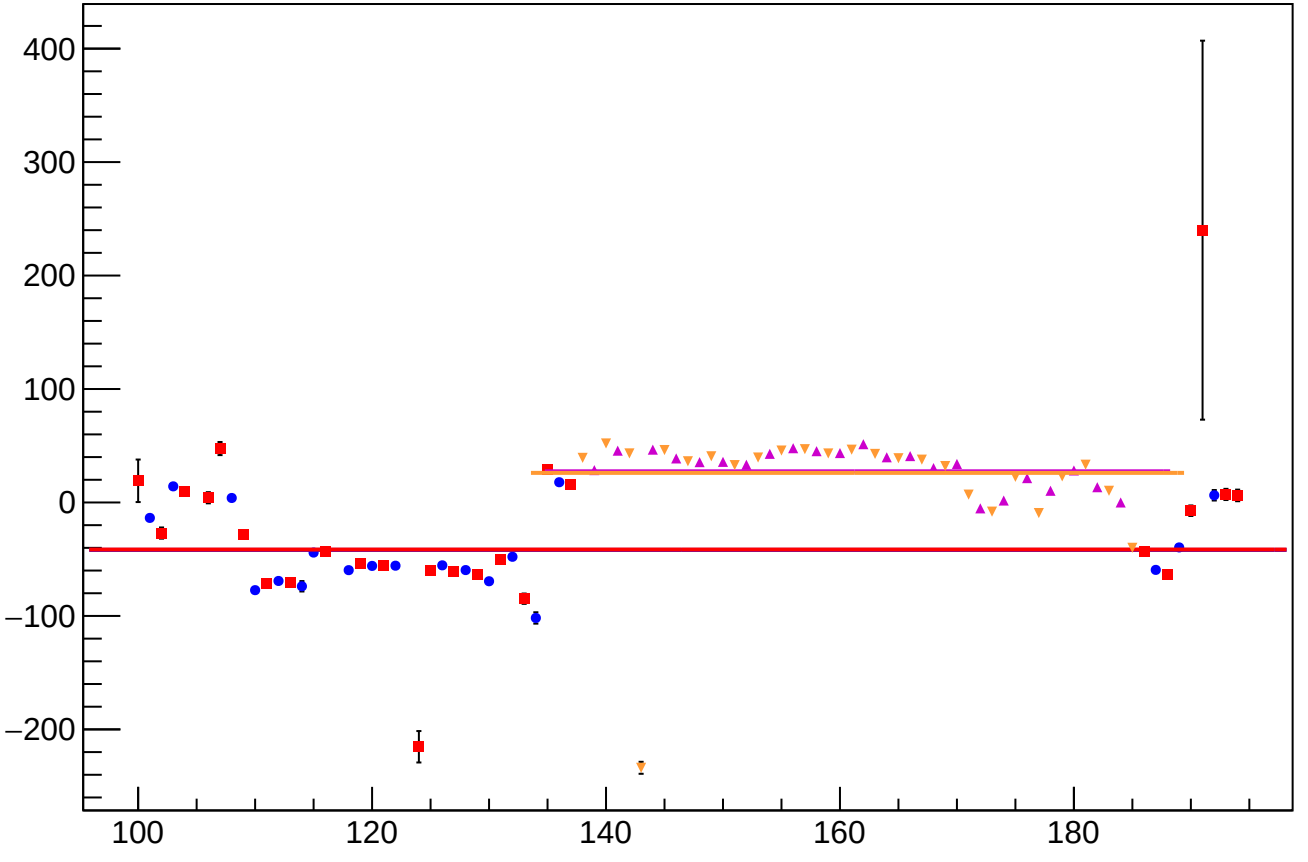
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -249.973+/-0.066 χ^2/NDF: 397238.0/43

All: -252.746+/-0.047 χ^2/NDF: 594726.4/91

- sign -255.603+/-0.067 χ^2/NDF: 193895.1/47

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: -41.503+/-0.568 χ^2/NDF: 2946.0/24

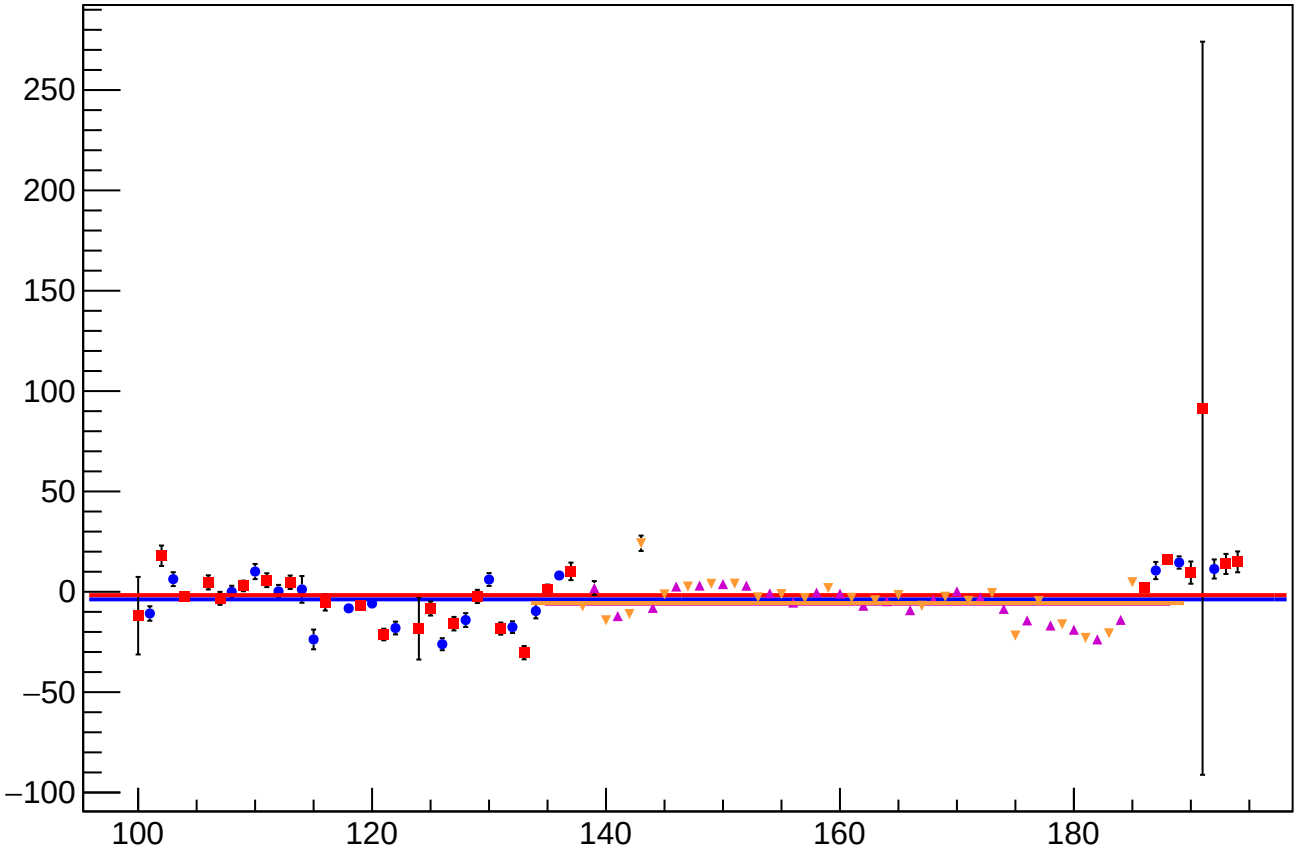
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 8.886+/-0.337 χ^2/NDF: 15033.1/43

All: 6.841+/-0.234 χ^2/NDF: 29577.6/91

- sign 4.938+/-0.325 χ^2/NDF: 14473.3/47

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: -1.662+/-0.646 χ^2/NDF: 318.4/24

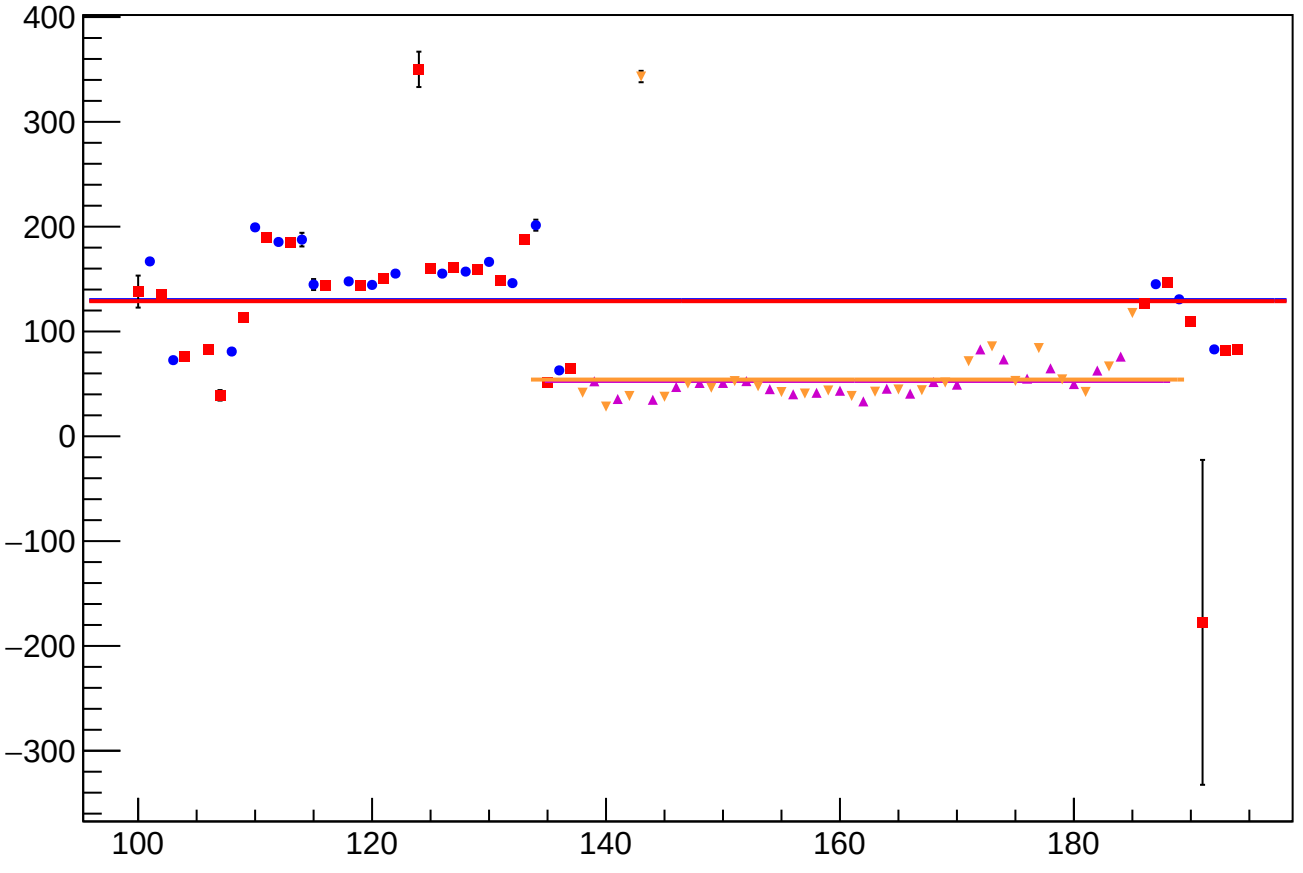
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -5.343+/-0.278 χ^2/NDF: 1159.6/43

All: -5.243+/-0.197 χ^2/NDF: 2226.2/91

- sign -5.143+/-0.279 χ^2/NDF: 1066.4/47

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: 128.912+/-0.577 χ^2/NDF: 3989.5/24

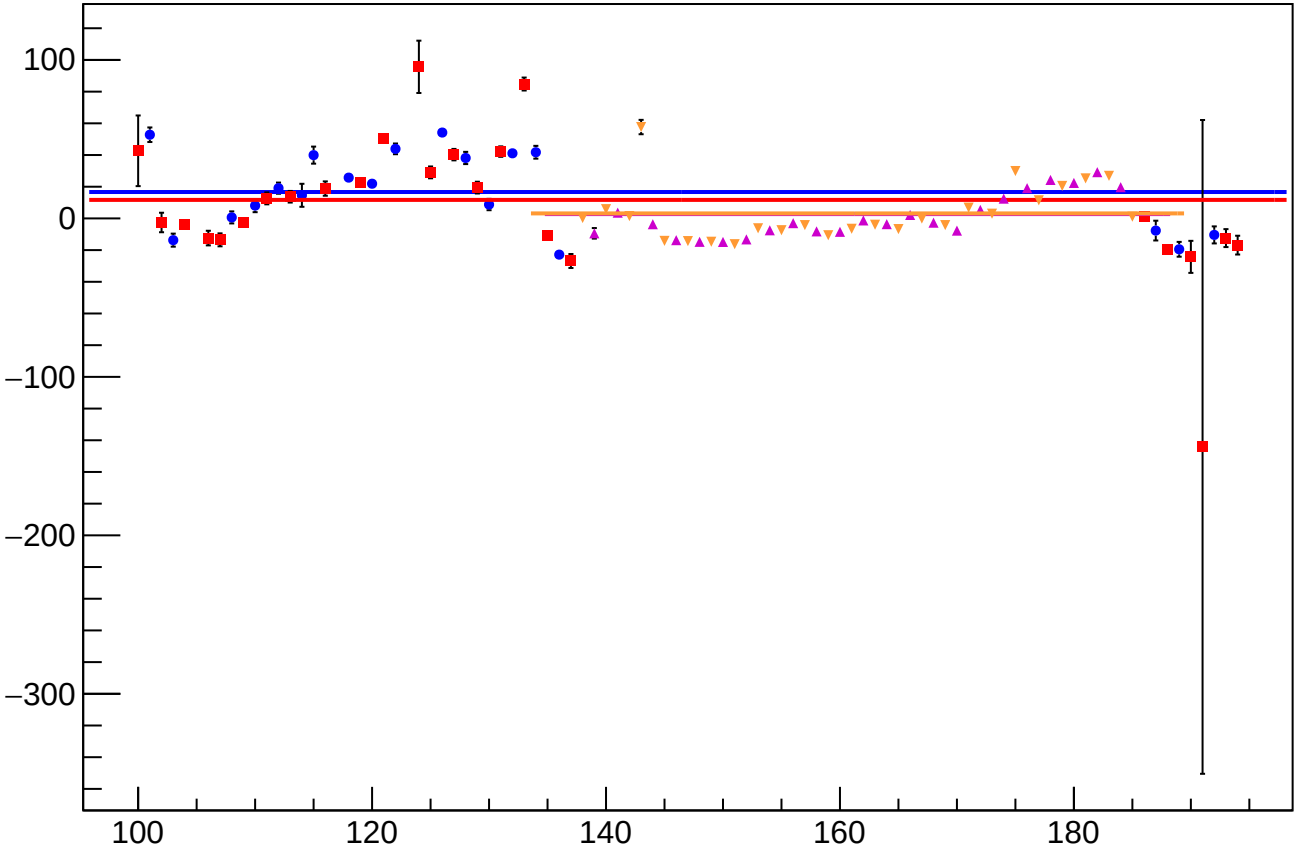
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 71.741+/-0.339 χ^2/NDF: 17307.9/43

All: 74.414+/-0.235 χ^2/NDF: 34278.3/91

- sign 76.862+/-0.325 χ^2/NDF: 16851.5/47

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: 11.683+/-0.772 χ^2/NDF: 1136.9/24

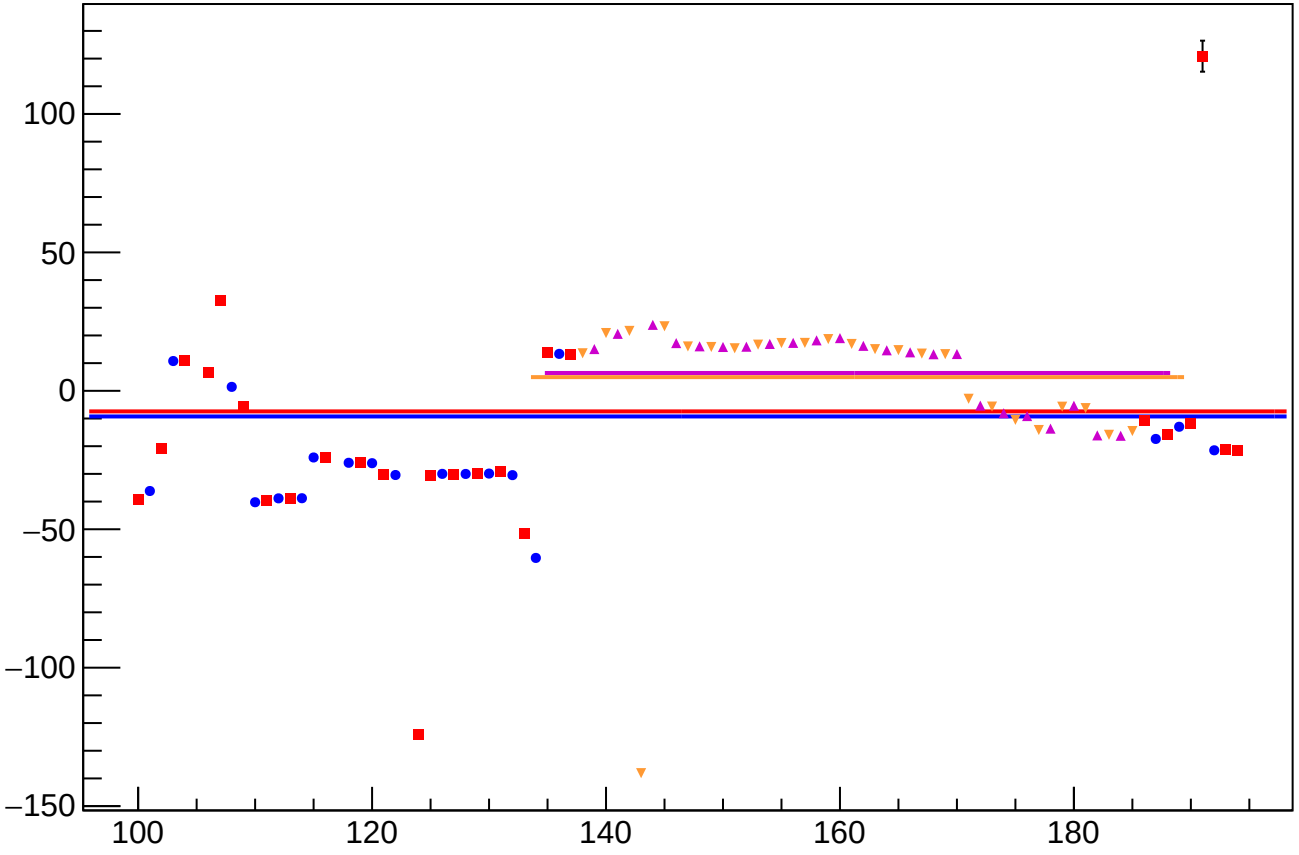
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 5.102+/-0.314 χ^2/NDF: 3206.1/43

All: 4.666+/-0.223 χ^2/NDF: 6194.1/91

- sign 4.226+/-0.316 χ^2/NDF: 2984.2/47

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: -7.430+/-0.041 χ^2/NDF: 248923.6/24

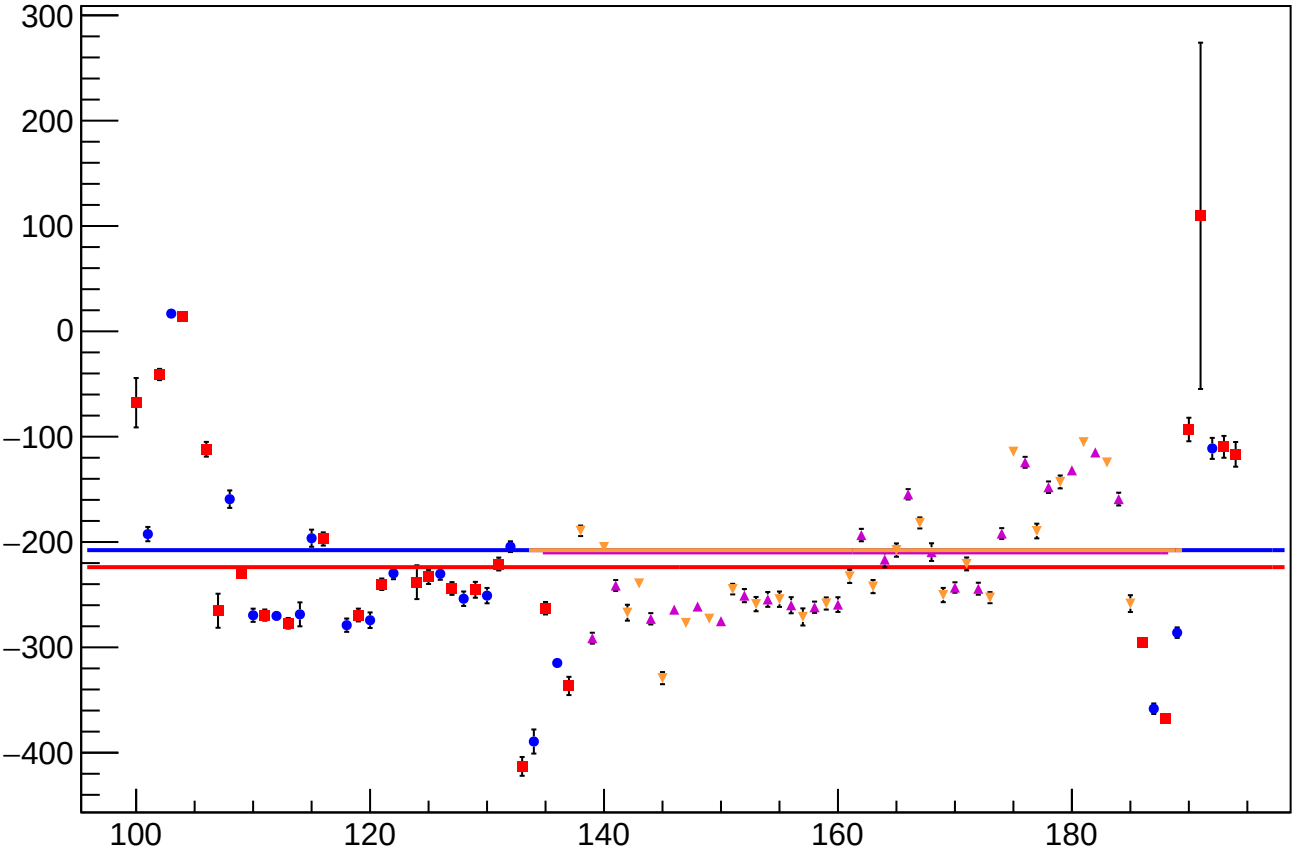
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 3.359+/-0.014 χ^2/NDF: 1508488.3/43

All: 4.050+/-0.010 χ^2/NDF: 2592047.9/91

- sign 4.744+/-0.014 χ^2/NDF: 1078903.5/47

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: -223.870+/-1.147 χ^2/NDF: 11934.9/24

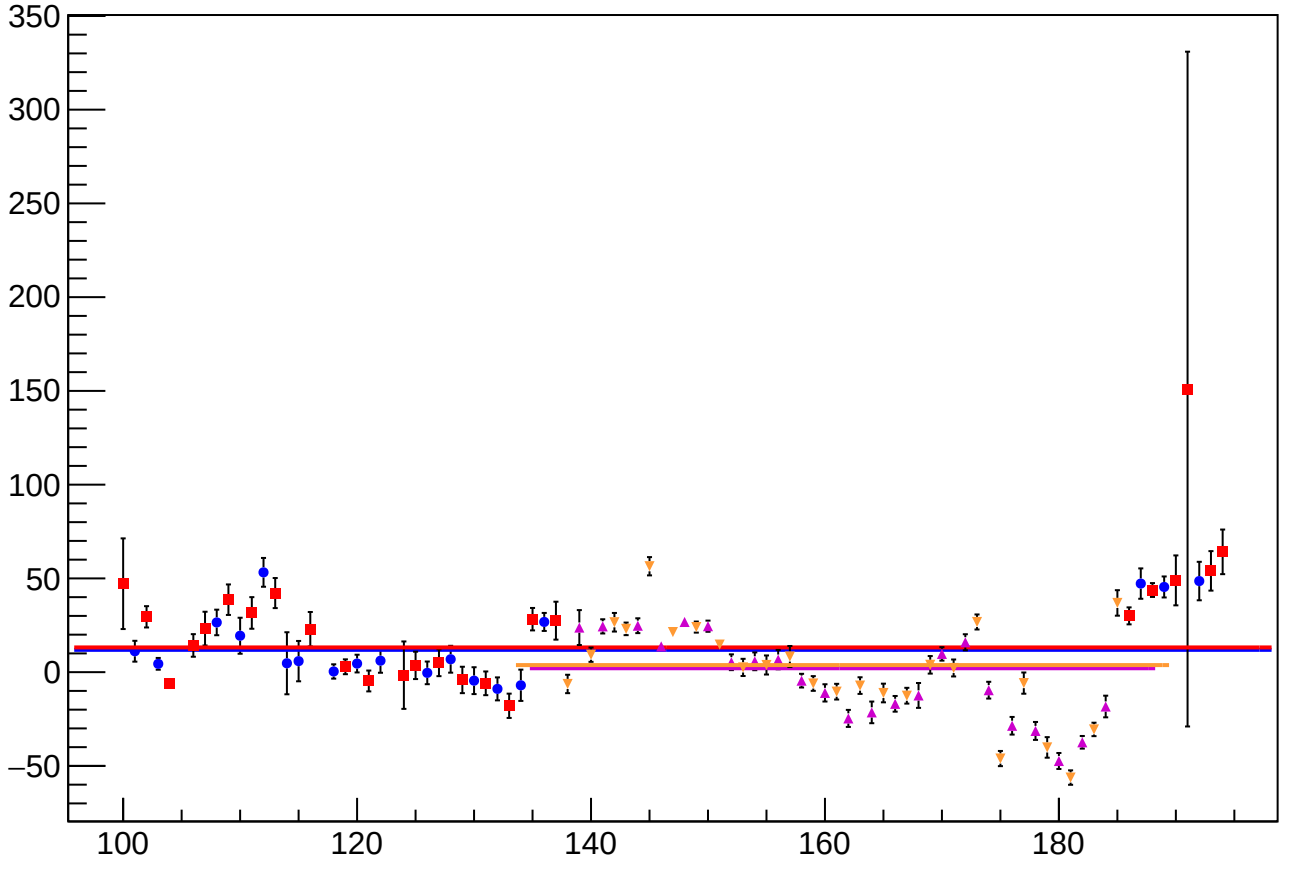
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -207.735+/-0.827 χ^2/NDF: 12094.0/43

All: -212.343+/-0.573 χ^2/NDF: 27177.9/91

- sign -216.590+/-0.794 χ^2/NDF: 15024.3/47

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: 13.189+/-1.205 χ^2/NDF: 295.0/24

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

+ sign 5.810+/-0.681 χ^2/NDF: 1155.4/43

All: 5.701+/-0.481 χ^2/NDF: 2278.7/91

- sign 5.594+/-0.678 χ^2/NDF: 1123.3/47

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: 295.355+/-1.074 χ^2/NDF: 21489.1/24

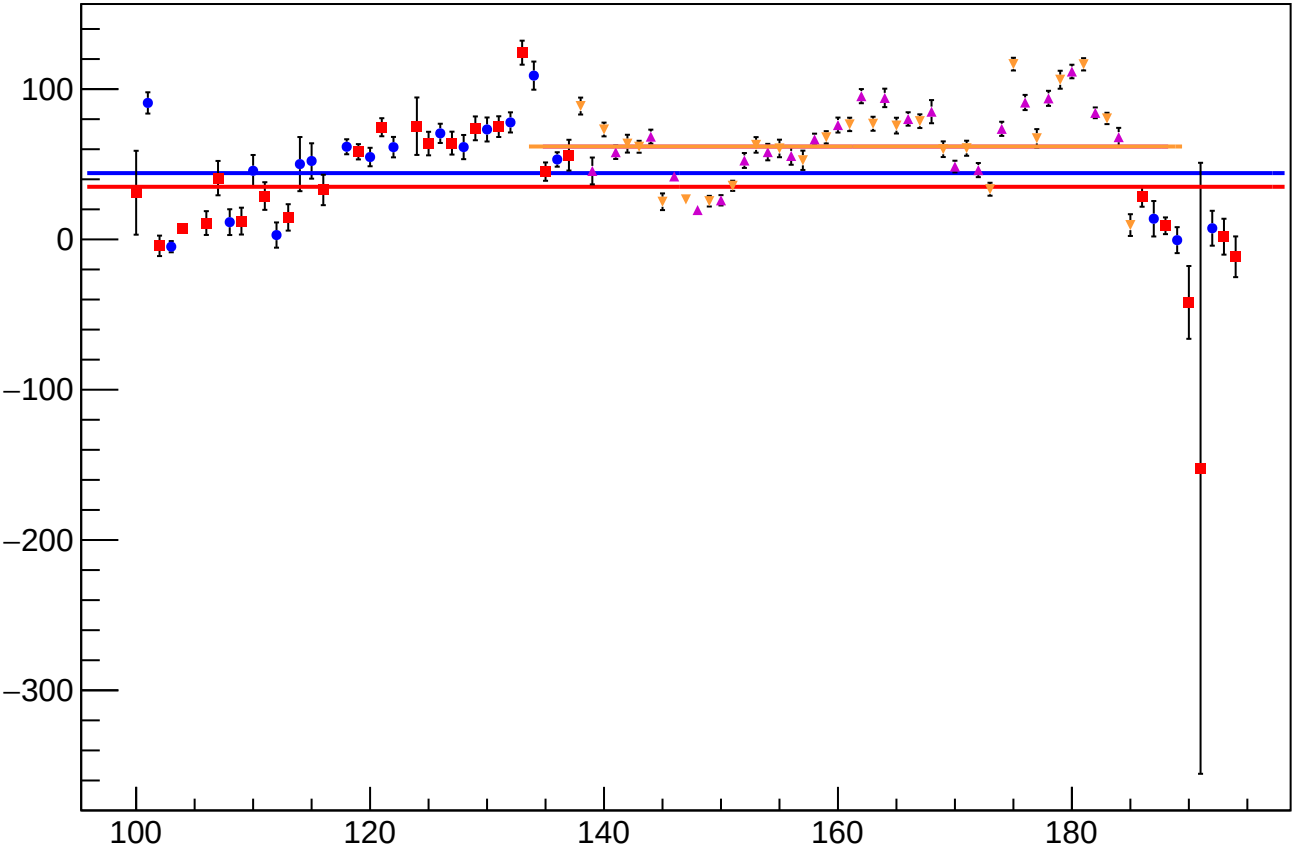
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 274.782+/-0.813 χ^2/NDF: 20723.7/43

All: 281.418+/-0.557 χ^2/NDF: 45567.4/91

- sign 287.284+/-0.765 χ^2/NDF: 24718.3/47

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: 35.007+/-1.472 χ^2/NDF: 476.2/24

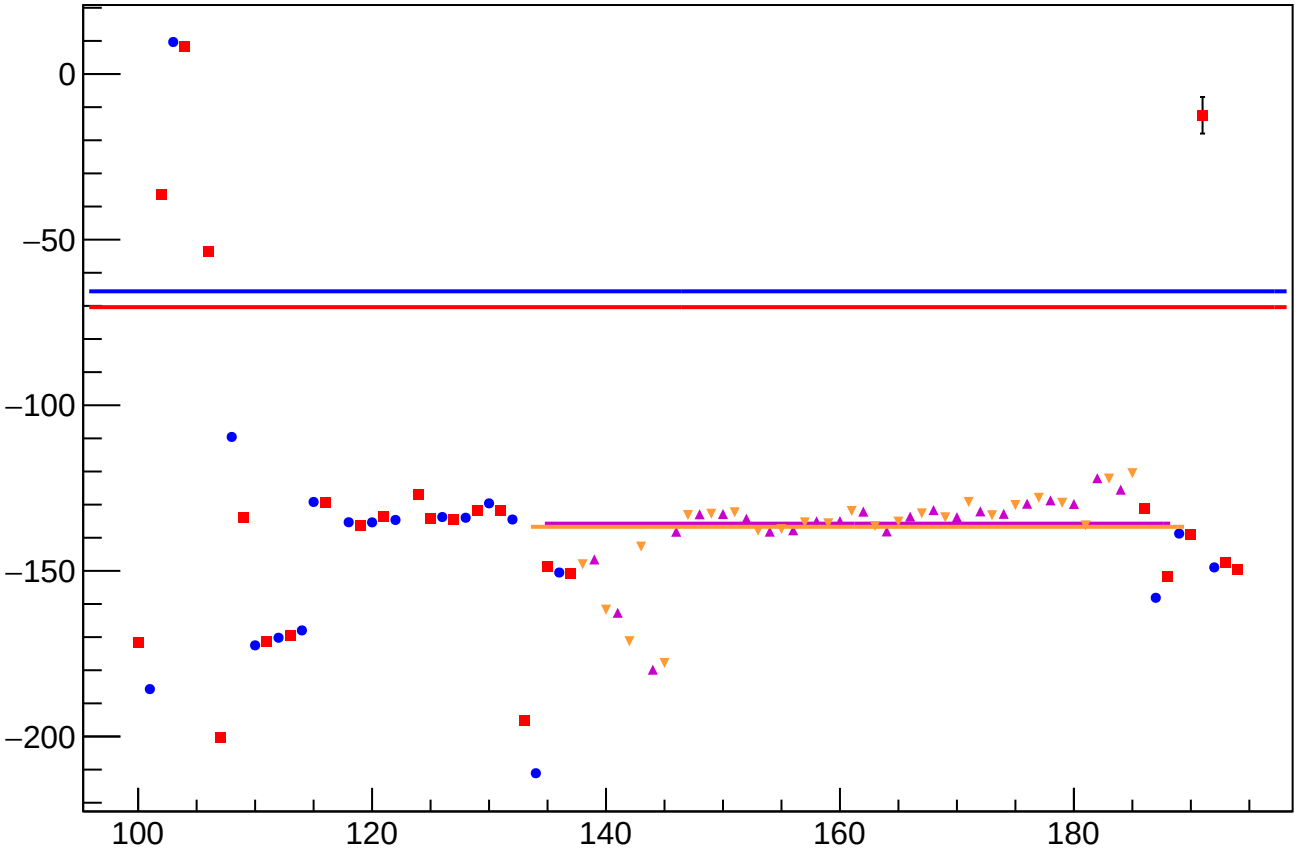
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 57.533+/-0.790 χ^2/NDF: 1483.5/43

All: 55.782+/-0.559 χ^2/NDF: 2940.6/91

- sign 54.026+/-0.791 χ^2/NDF: 1447.2/47

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: -70.377+/-0.069 χ^2/NDF: 1081247.4/24

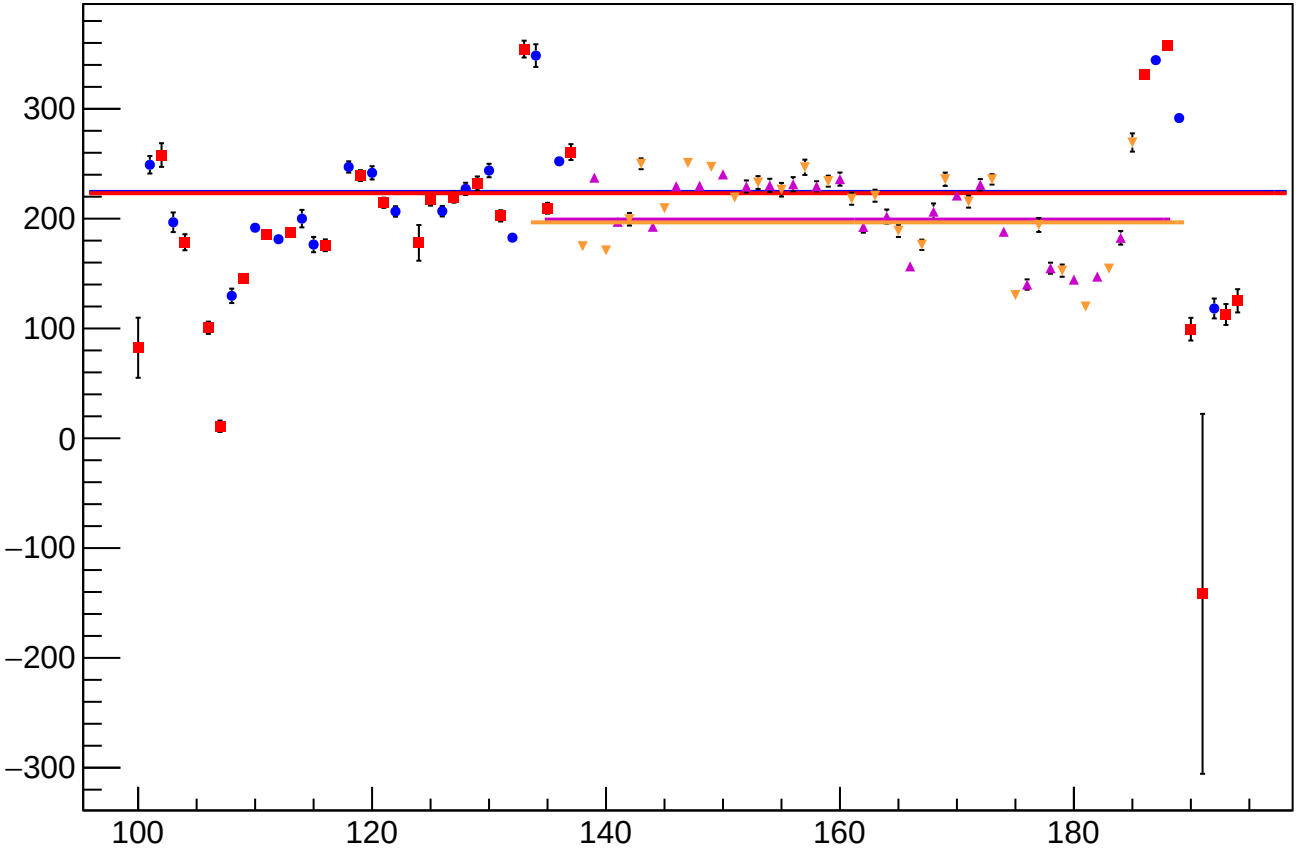
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -117.632+/-0.036 χ^2/NDF: 2176430.3/43

All: -117.545+/-0.026 χ^2/NDF: 3973840.7/91

- sign -117.457+/-0.036 χ^2/NDF: 1797398.7/47

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: 223.163+/-1.016 χ^2/NDF: 7837.0/24

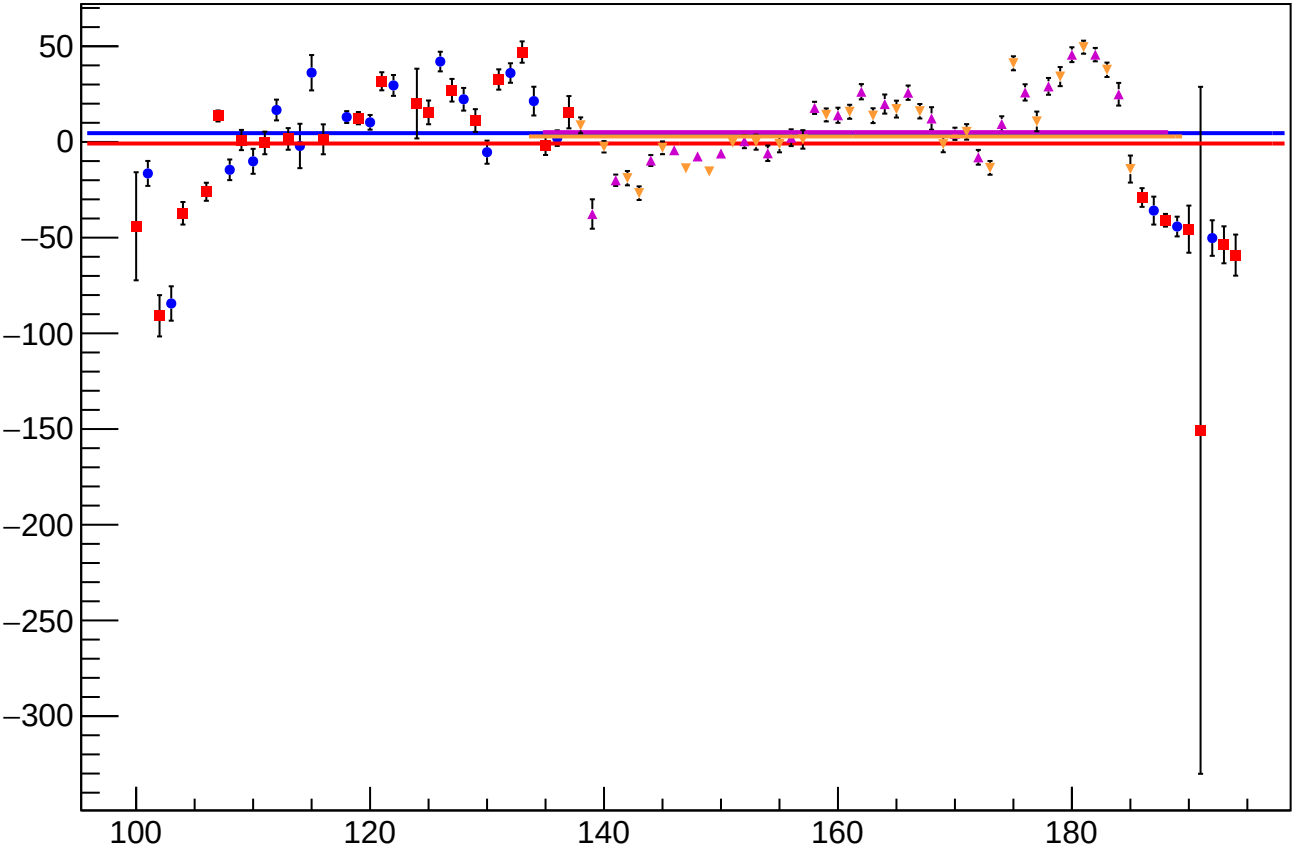
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 207.344+/-0.741 χ^2/NDF: 4358.0/43

All: 209.080+/-0.510 χ^2/NDF: 13791.5/91

- sign 210.641+/-0.703 χ^2/NDF: 9423.1/47

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: -0.818+/-1.101 χ^2/NDF: 632.9/24

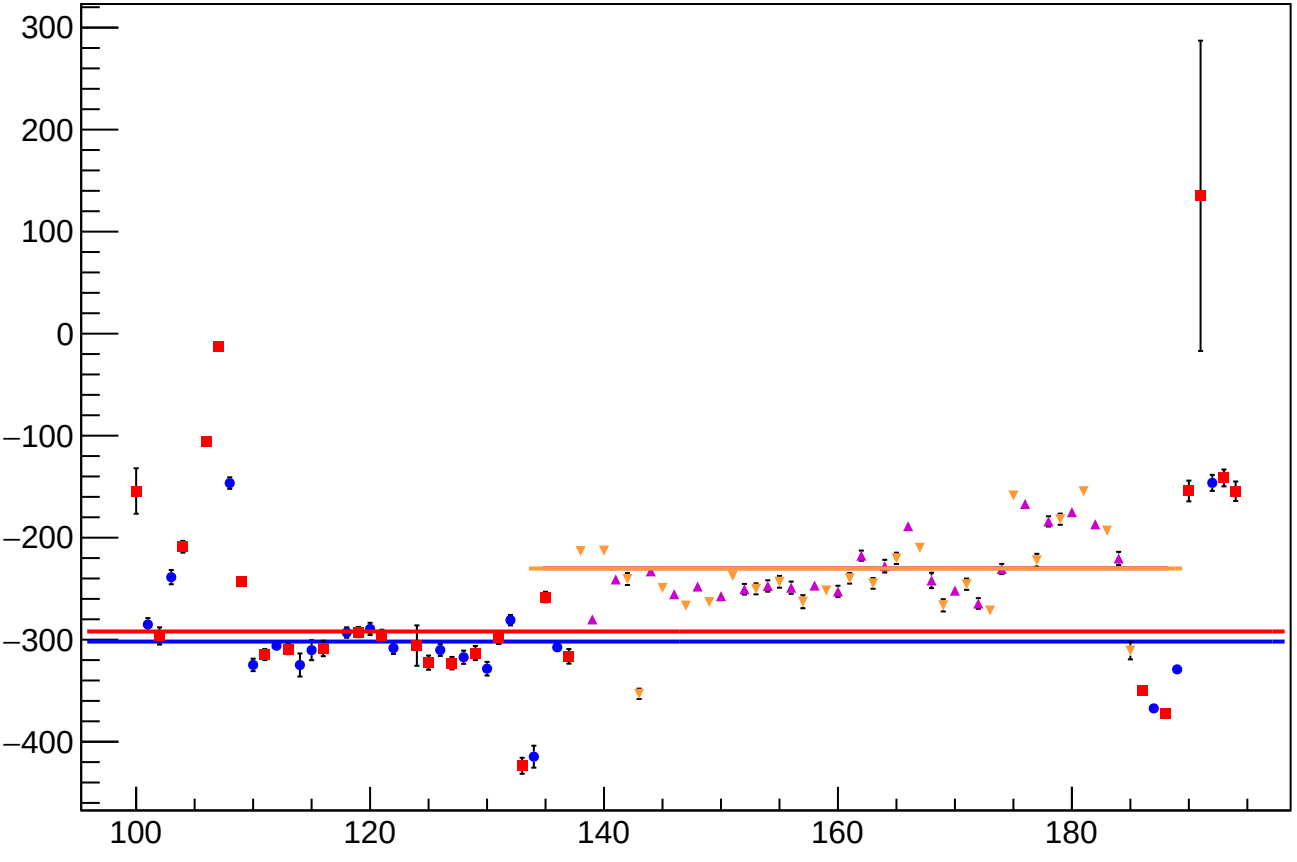
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 3.271+/-0.607 χ^2/NDF: 1191.0/43

All: 3.312+/-0.427 χ^2/NDF: 2473.0/91

- sign 3.351+/-0.601 χ^2/NDF: 1281.9/47

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: -291.943+/-1.031 χ^2/NDF: 9171.7/24

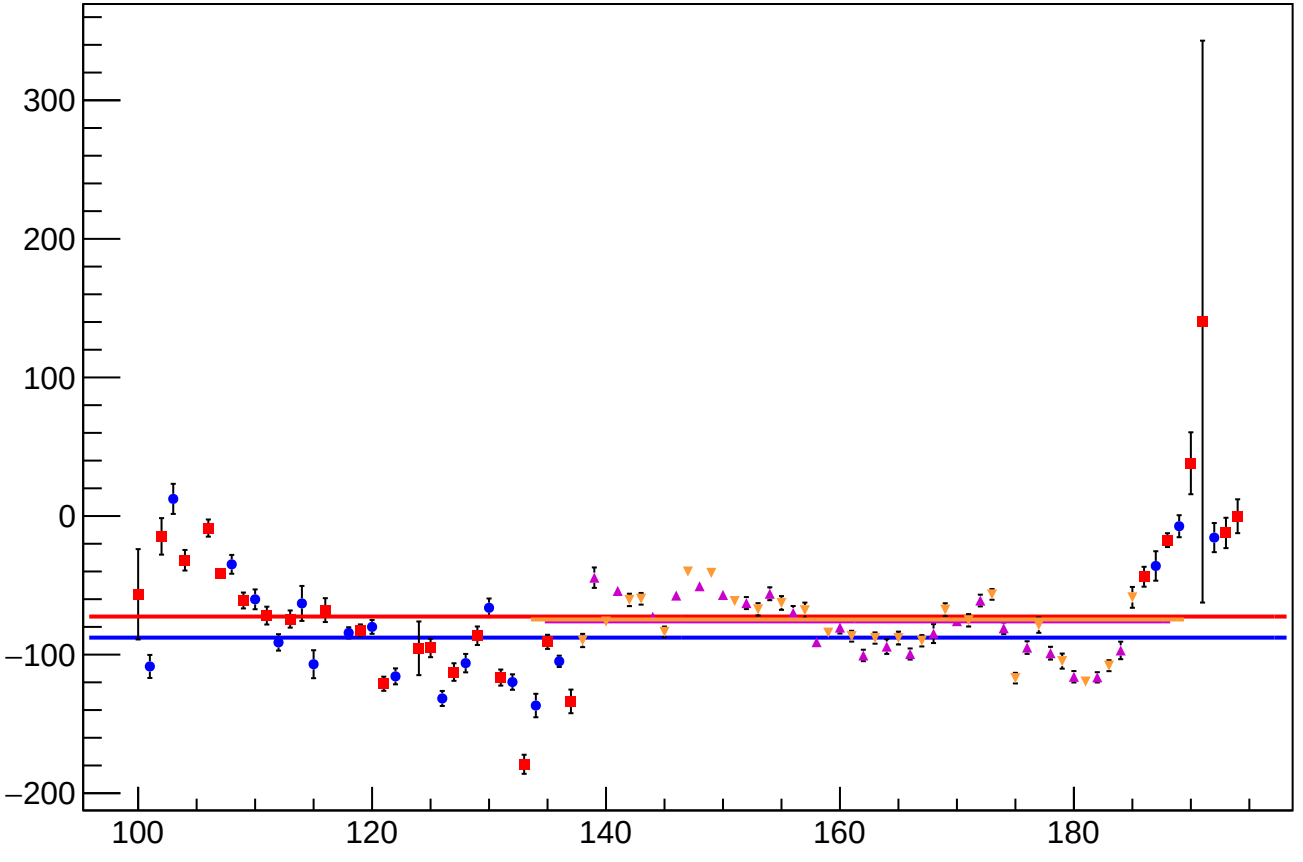
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -255.579+/-0.754 χ^2/NDF: 6024.2/43

All: -257.314+/-0.514 χ^2/NDF: 18228.3/91

- sign -258.820+/-0.703 χ^2/NDF: 12194.2/47

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: -72.529+/-1.325 χ^2/NDF: 976.0/24

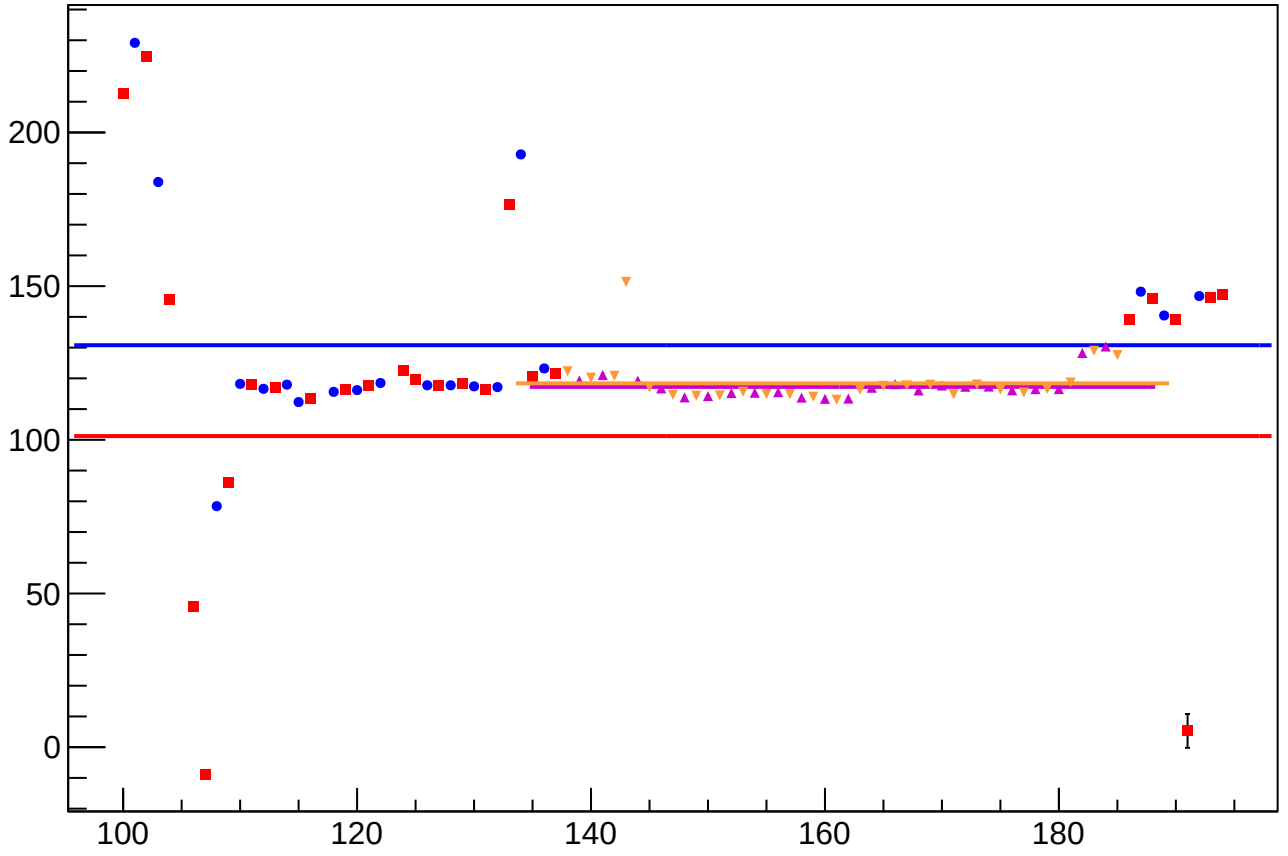
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -77.618+/-0.704 χ^2/NDF: 1433.9/43

All: -76.327+/-0.496 χ^2/NDF: 3067.7/91

- sign -75.050+/-0.700 χ^2/NDF: 1627.1/47

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: 101.218+/-0.071 χ^2/NDF: 690458.0/24

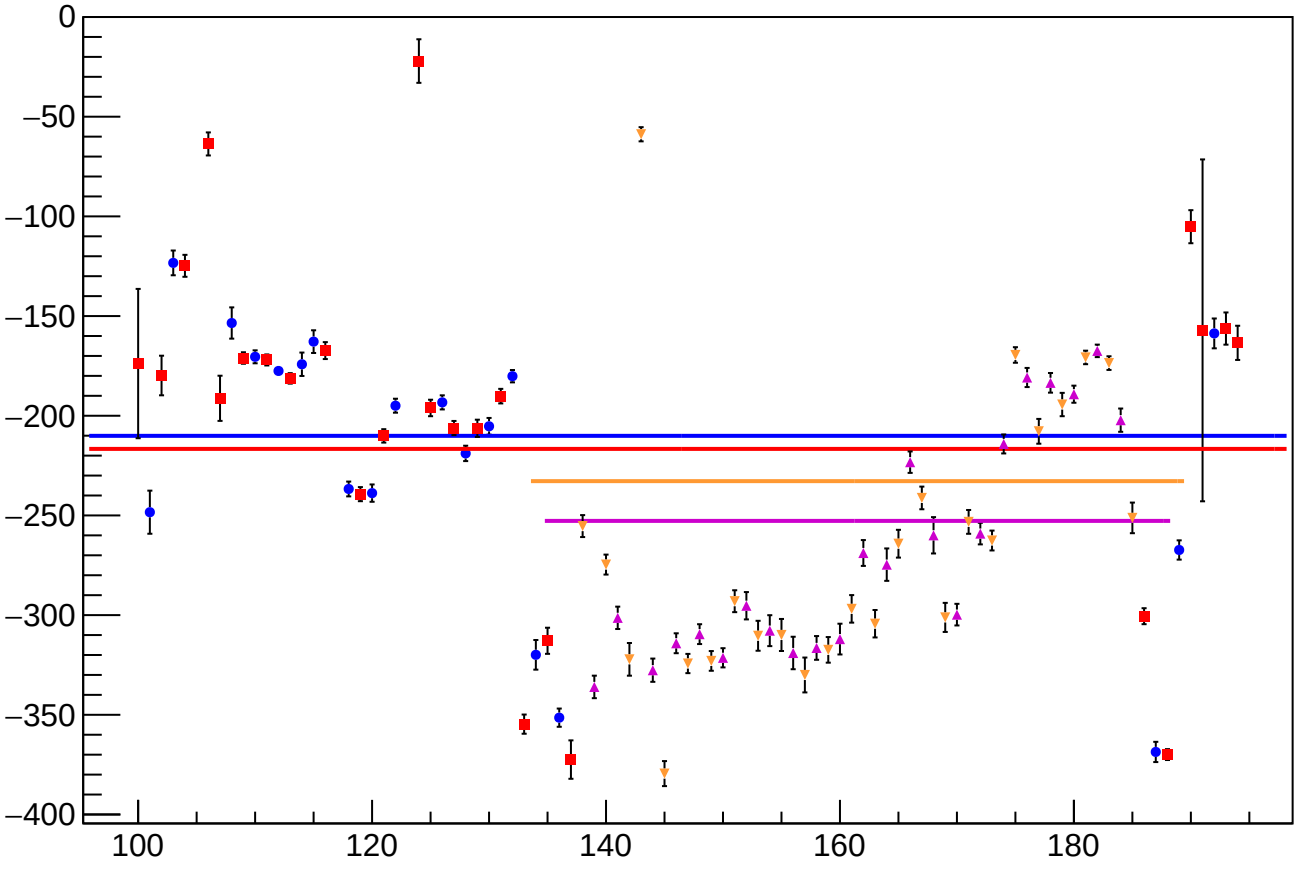
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 120.455+/-0.034 χ^2/NDF: 241294.7/43

All: 117.031+/-0.024 χ^2/NDF: 1001089.6/91

- sign 113.755+/-0.033 χ^2/NDF: 739973.3/47

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: -216.627+/-0.879 χ^2/NDF: 7440.0/24

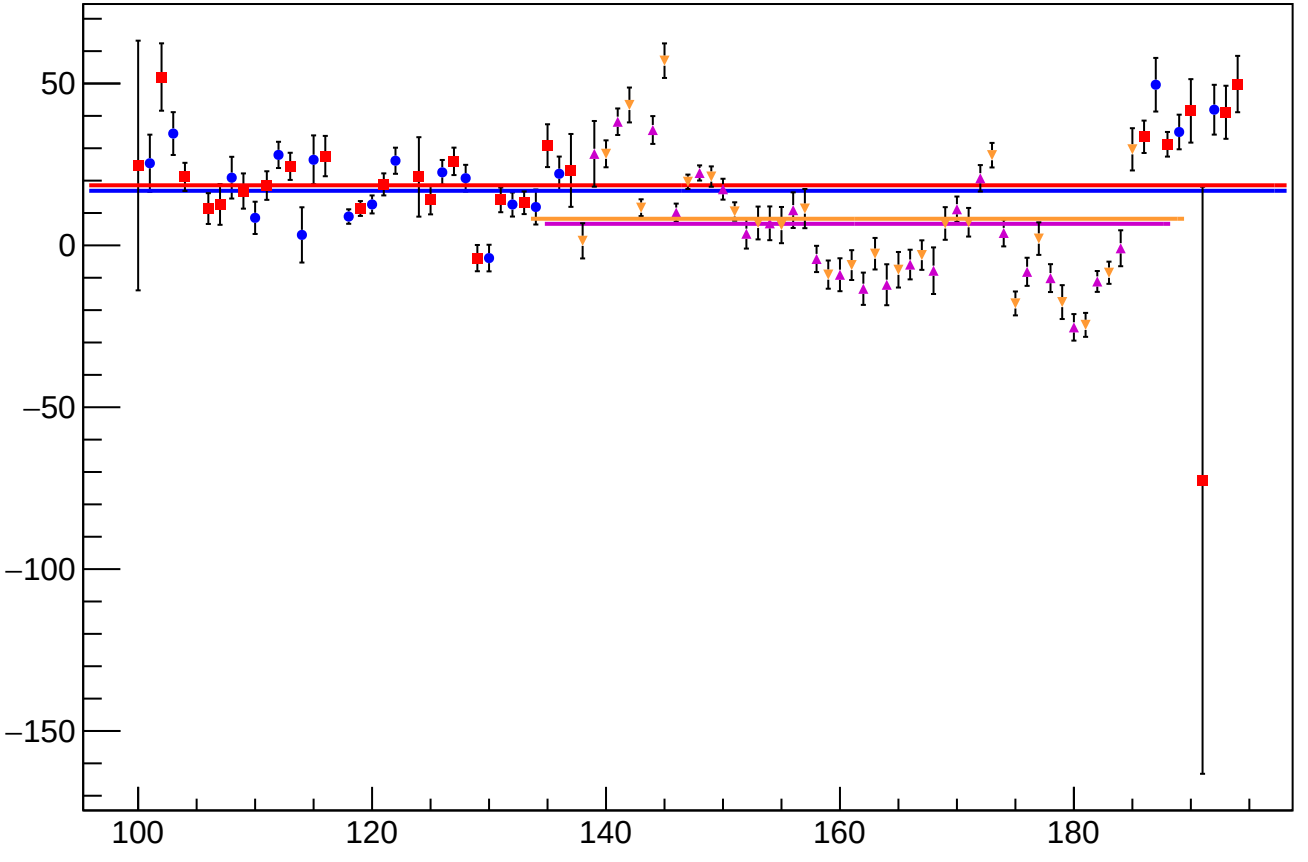
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -220.358+/-0.721 χ^2/NDF: 9274.4/43

All: -225.484+/-0.500 χ^2/NDF: 20361.3/91

- sign -230.233+/-0.694 χ^2/NDF: 10989.6/47

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: 18.558+/-0.963 χ^2/NDF: 117.0/24

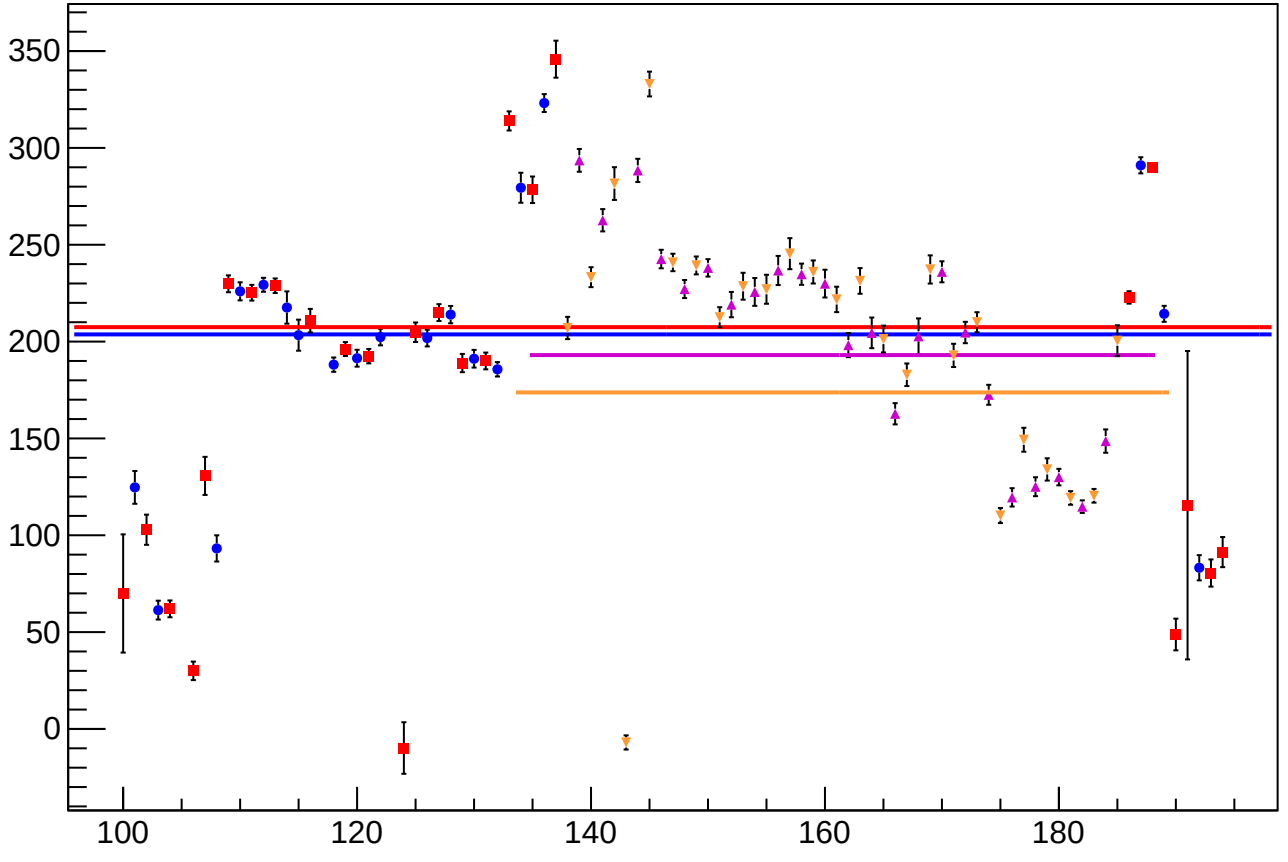
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 11.561+/-0.629 χ^2/NDF: 615.4/43

All: 11.739+/-0.449 χ^2/NDF: 1172.5/91

- sign 11.925+/-0.641 χ^2/NDF: 557.0/47

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: 207.459+/-0.949 χ^2/NDF: 6301.1/24

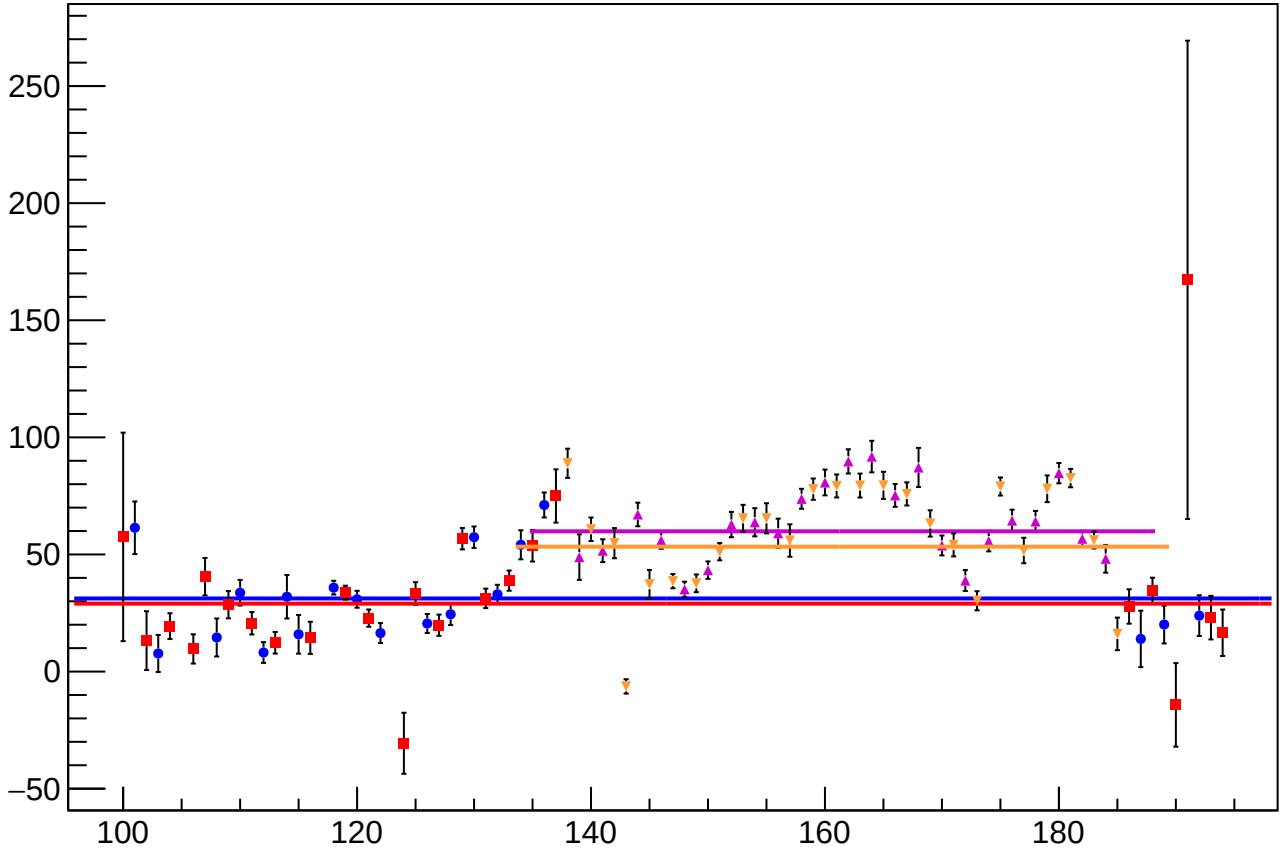
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

\+ sign 188.413+/-0.764 χ^2/NDF: 8545.1/43

All: 195.269+/-0.526 χ^2/NDF: 17607.9/91

\- sign 201.440+/-0.725 χ^2/NDF: 8909.6/47

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: 29.003+/-1.137 χ^2/NDF: 151.6/24

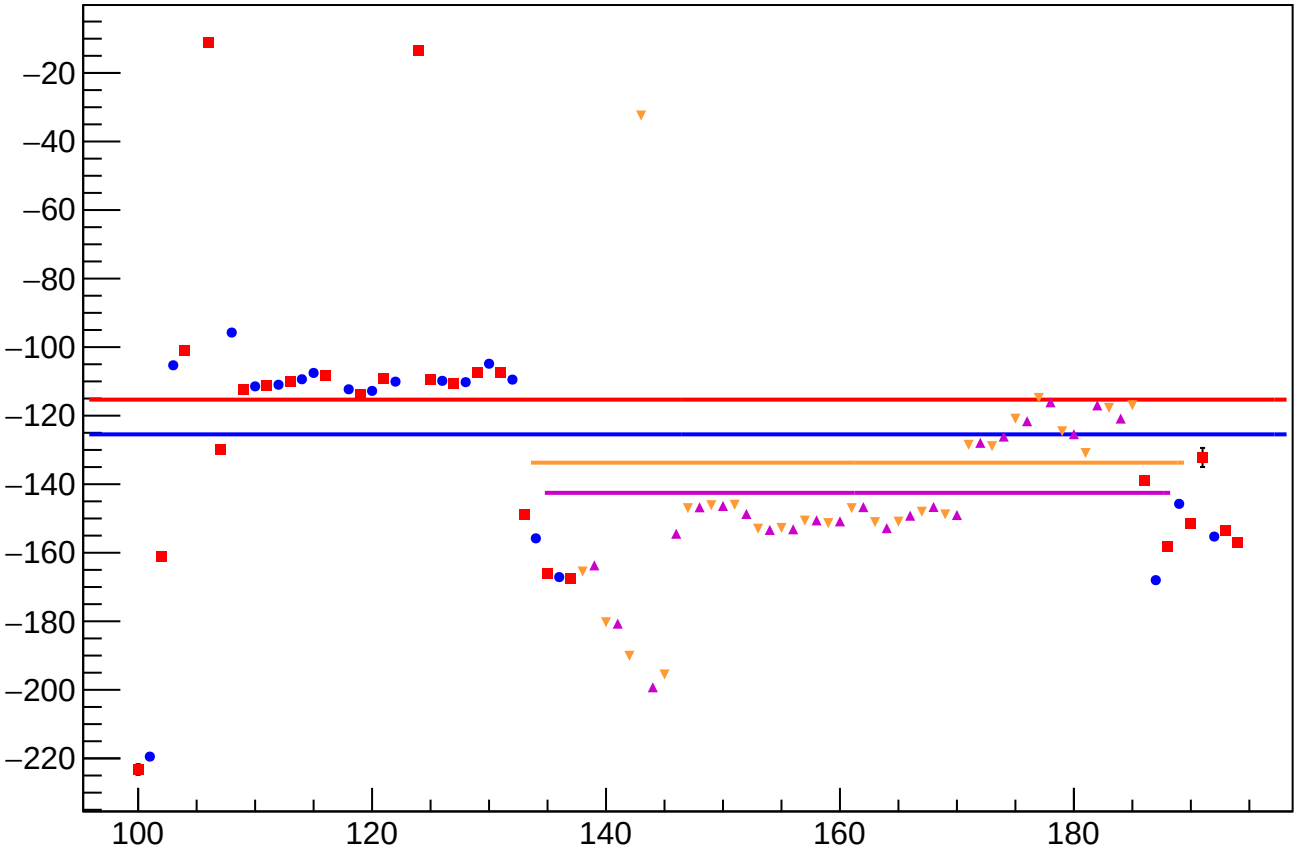
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 45.000+/-0.728 χ^2/NDF: 1177.7/43

All: 45.870+/-0.519 χ^2/NDF: 2007.9/91

- sign 46.772+/-0.741 χ^2/NDF: 827.2/47

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: -115.321+/-0.067 χ^2/NDF: 440768.9/24

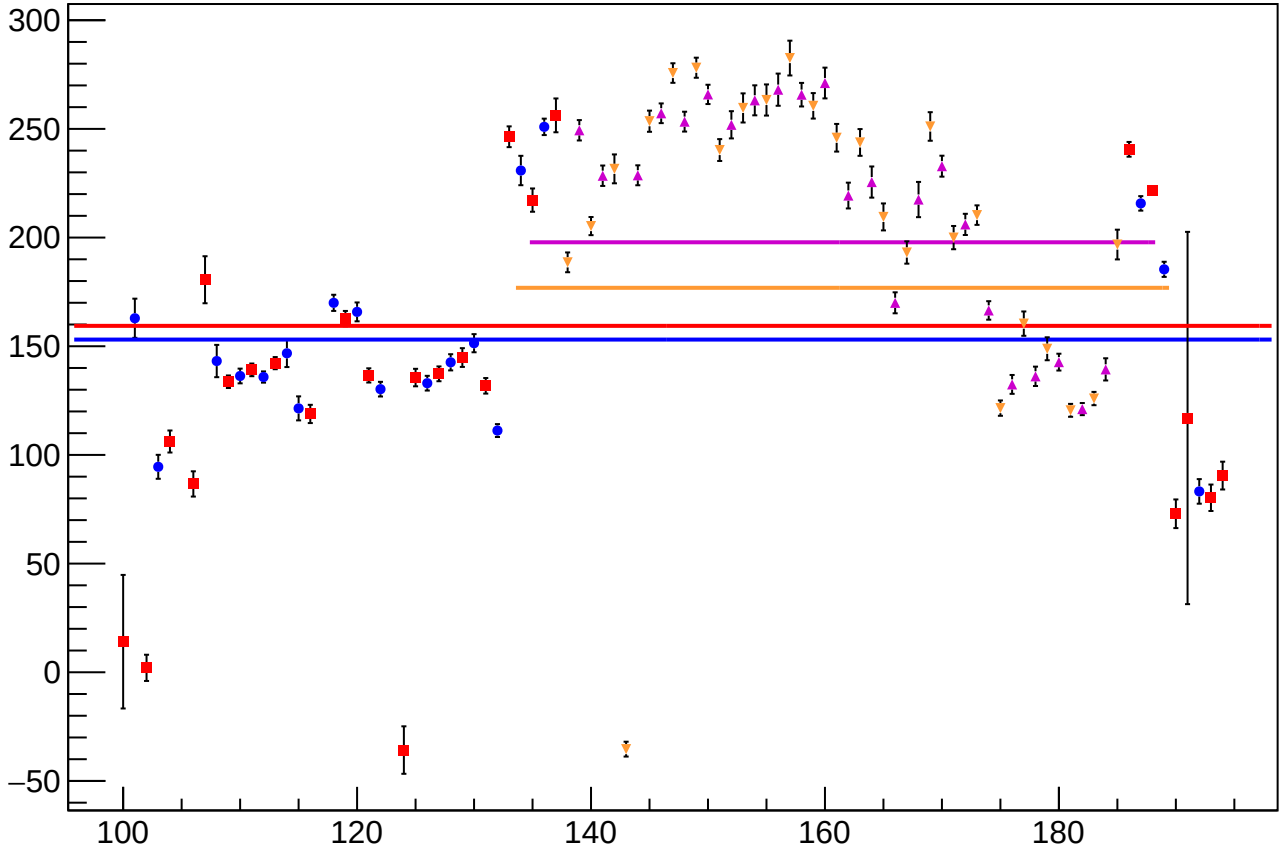
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -131.630+/-0.037 χ^2/NDF: 826889.6/43

All: -132.915+/-0.026 χ^2/NDF: 1563268.1/91

- sign -134.197+/-0.037 χ^2/NDF: 733974.9/47

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: 159.378+/-0.800 χ^2/NDF: 4605.2/24

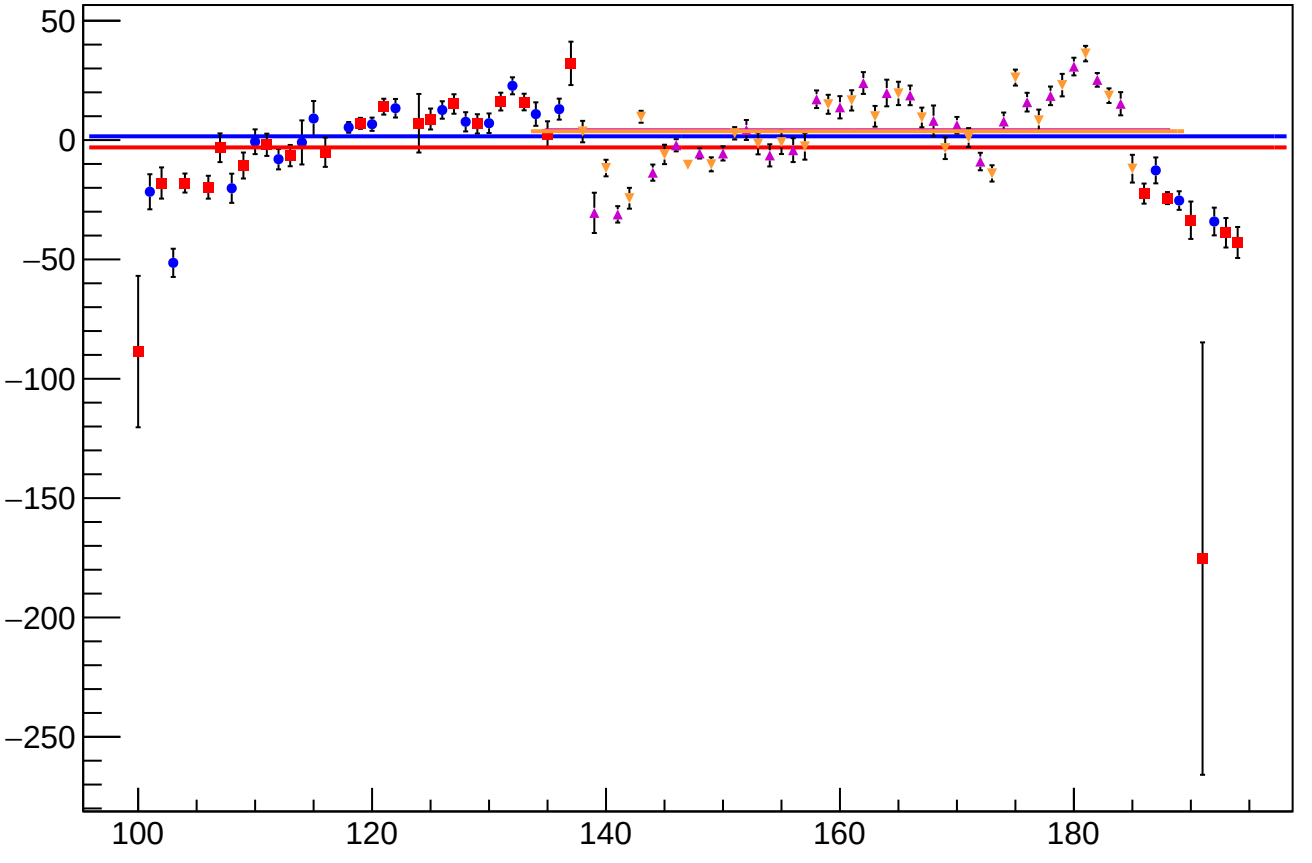
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 164.421+/-0.661 χ^2/NDF: 9680.3/43

All: 169.616+/-0.455 χ^2/NDF: 18265.1/91

- sign 174.280+/-0.626 χ^2/NDF: 8467.6/47

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: -3.069+/-0.891 χ^2/NDF: 376.3/24

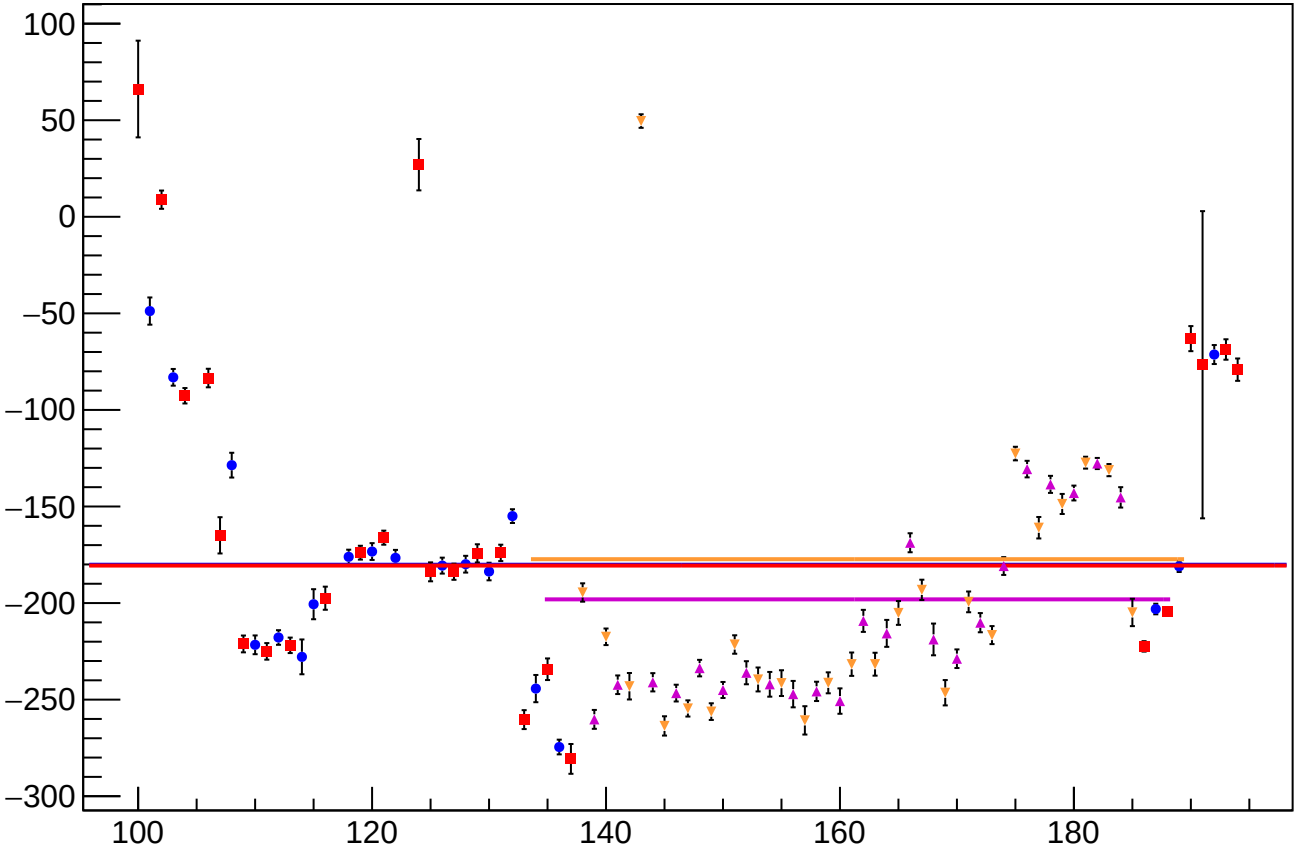
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

\+ sign 2.935+/-0.577 χ^2/NDF: 679.9/43

All: 1.997+/-0.410 χ^2/NDF: 1497.6/91

\- sign 1.043+/-0.582 χ^2/NDF: 812.3/47

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: -180.585+/-0.810 χ^2/NDF: 5300.7/24

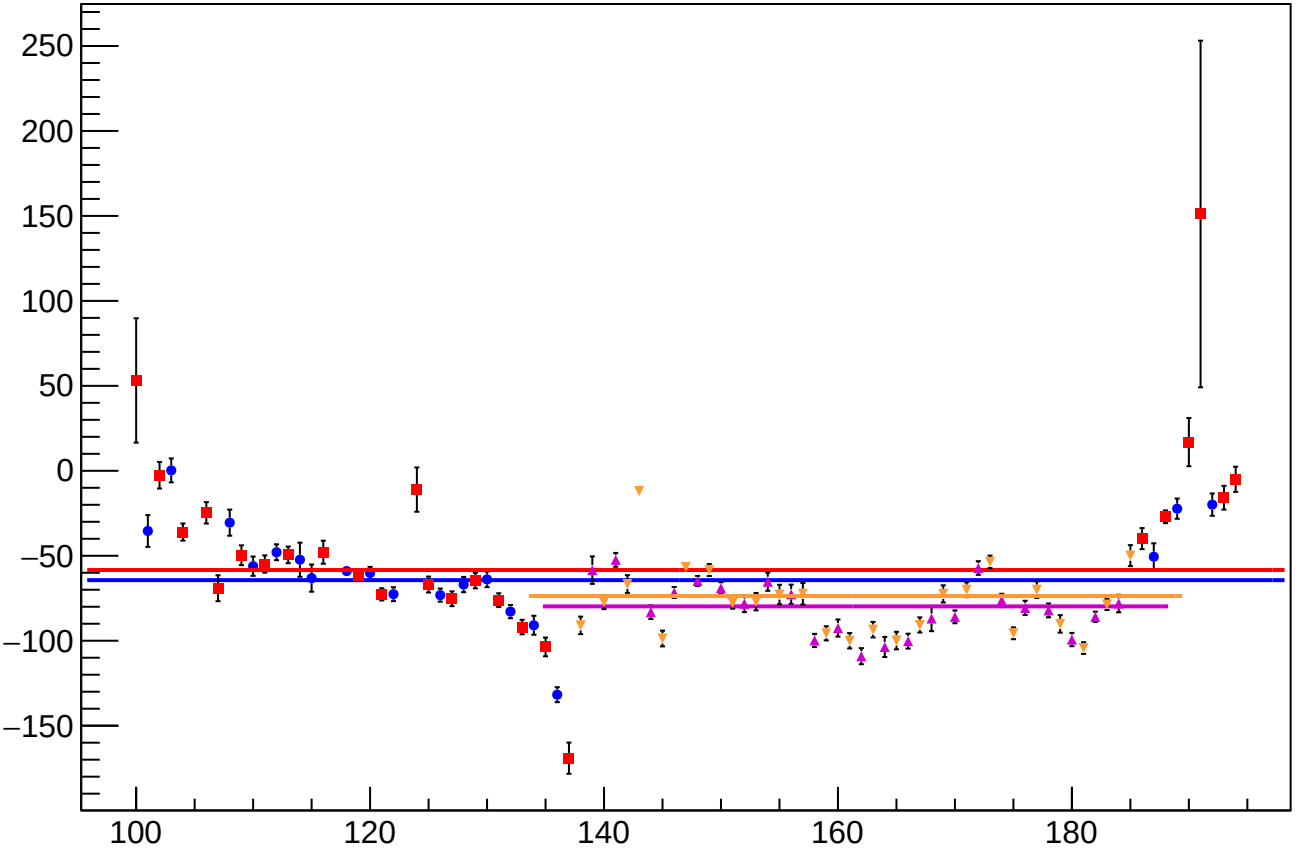
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -178.686+/-0.684 χ^2/NDF: 9477.4/43

All: -183.469+/-0.463 χ^2/NDF: 17439.6/91

- sign -187.523+/-0.630 χ^2/NDF: 7871.9/47

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: -58.381+/-1.069 χ^2/NDF: 662.1/24

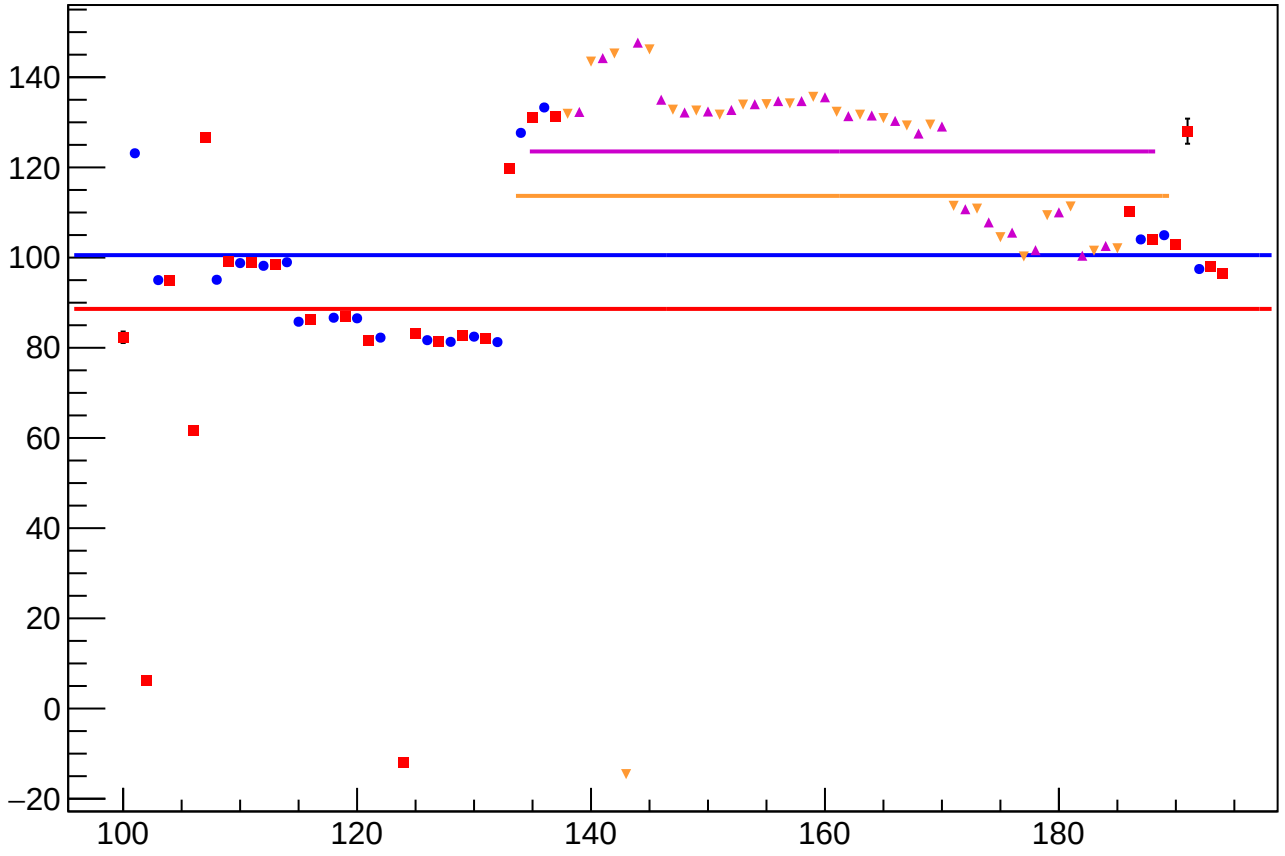
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -70.430+/-0.668 χ^2/NDF: 1405.1/43

All: -70.811+/-0.475 χ^2/NDF: 2585.2/91

- sign -71.202+/-0.677 χ^2/NDF: 1179.4/47

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: 88.622+/-0.059 χ^2/NDF: 280740.3/24

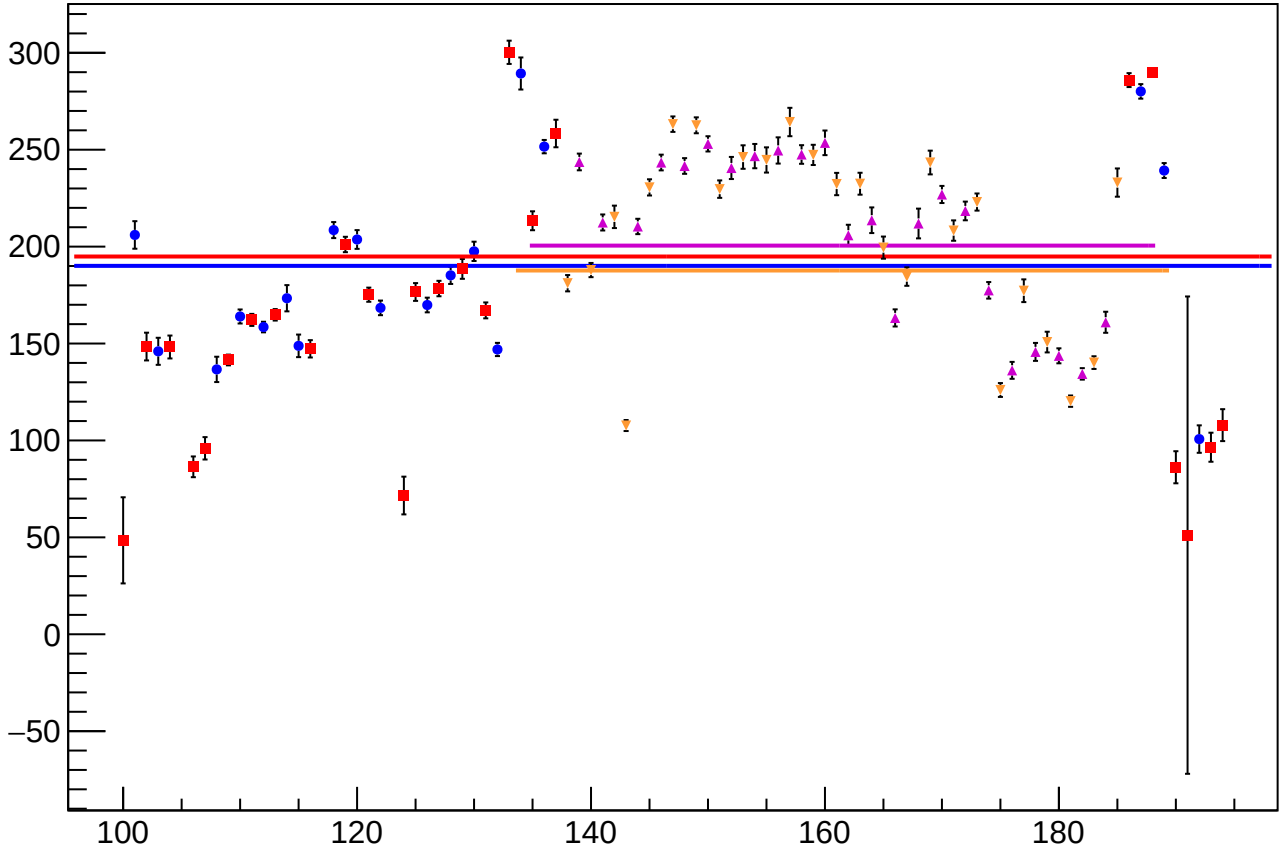
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 110.427+/-0.033 χ^2/NDF: 1060281.7/43

All: 111.572+/-0.023 χ^2/NDF: 1719249.3/91

- sign 112.693+/-0.033 χ^2/NDF: 656621.0/47

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: 194.895+/-0.864 χ^2/NDF: 5624.7/24

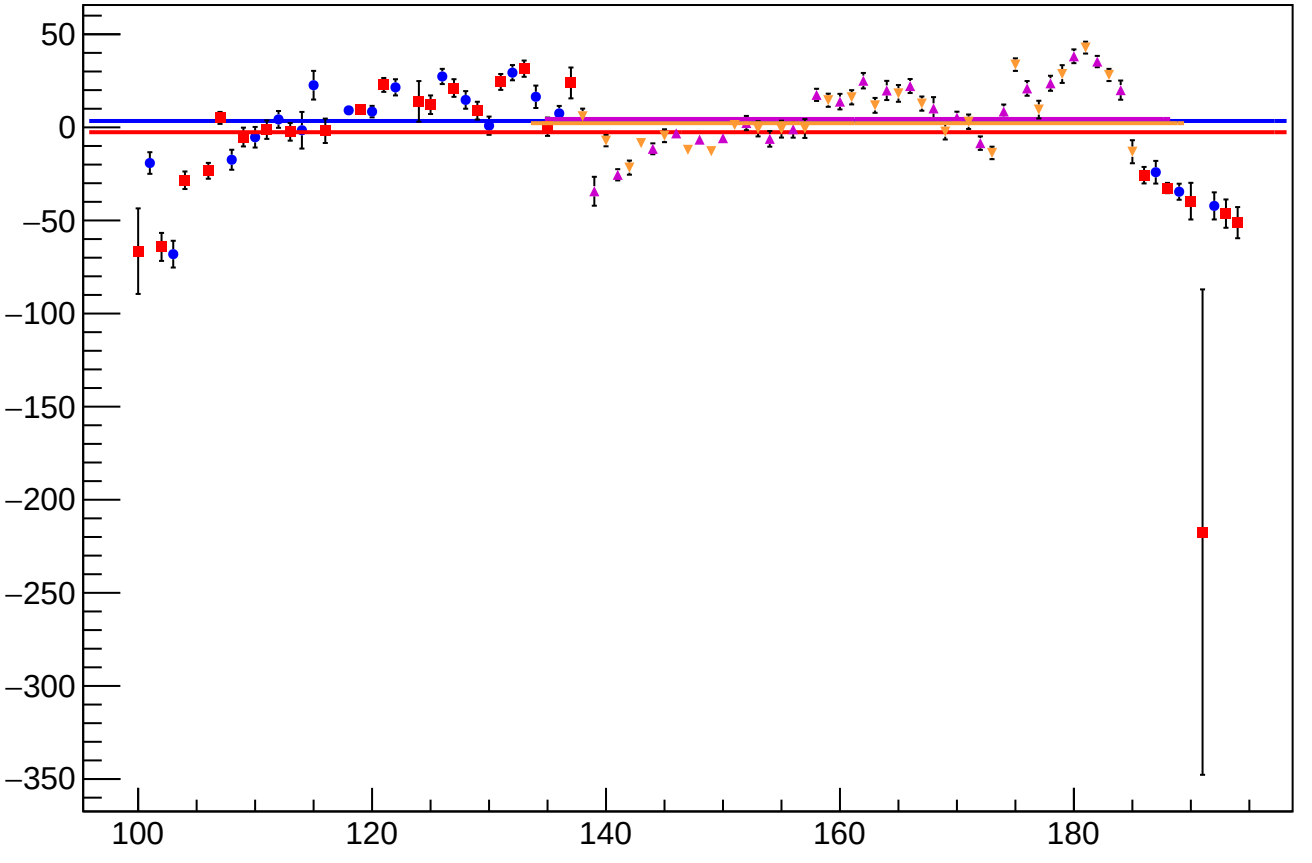
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 188.749+/-0.668 χ^2/NDF: 5499.3/43

All: 193.268+/-0.462 χ^2/NDF: 13342.4/91

\- sign 197.427+/-0.641 χ^2/NDF: 7755.2/47

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 3.427+/-1.050 χ^2/NDF: 386.6/18

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

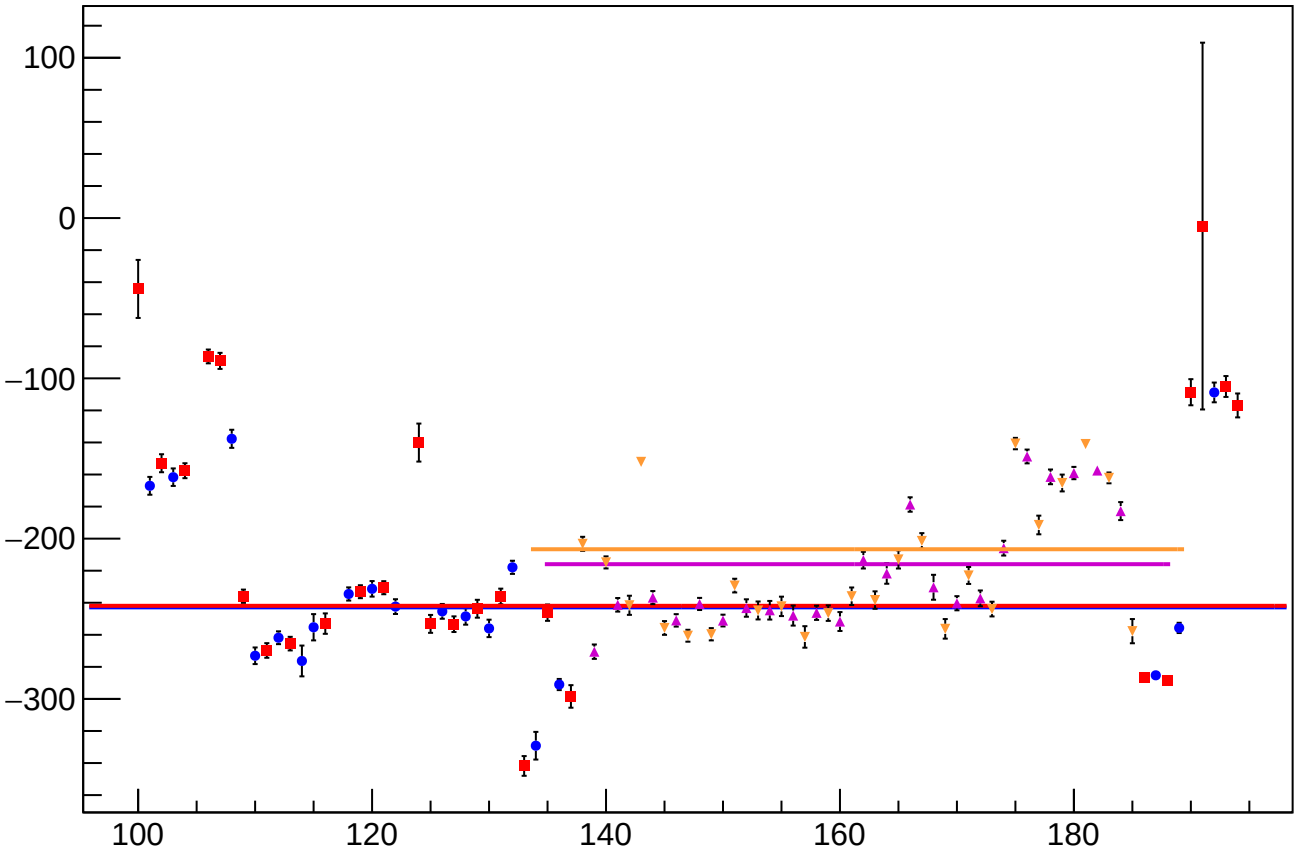
Right Out: -2.606+/-0.949 χ^2/NDF: 586.4/24

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.583+/-0.562 χ^2/NDF: 988.4/43

All: 2.266+/-0.400 χ^2/NDF: 2158.5/91

- sign 1.938+/-0.571 χ^2/NDF: 1169.5/47



Right In: -242.871+/-1.069 χ^2/NDF: 1849.0/18

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

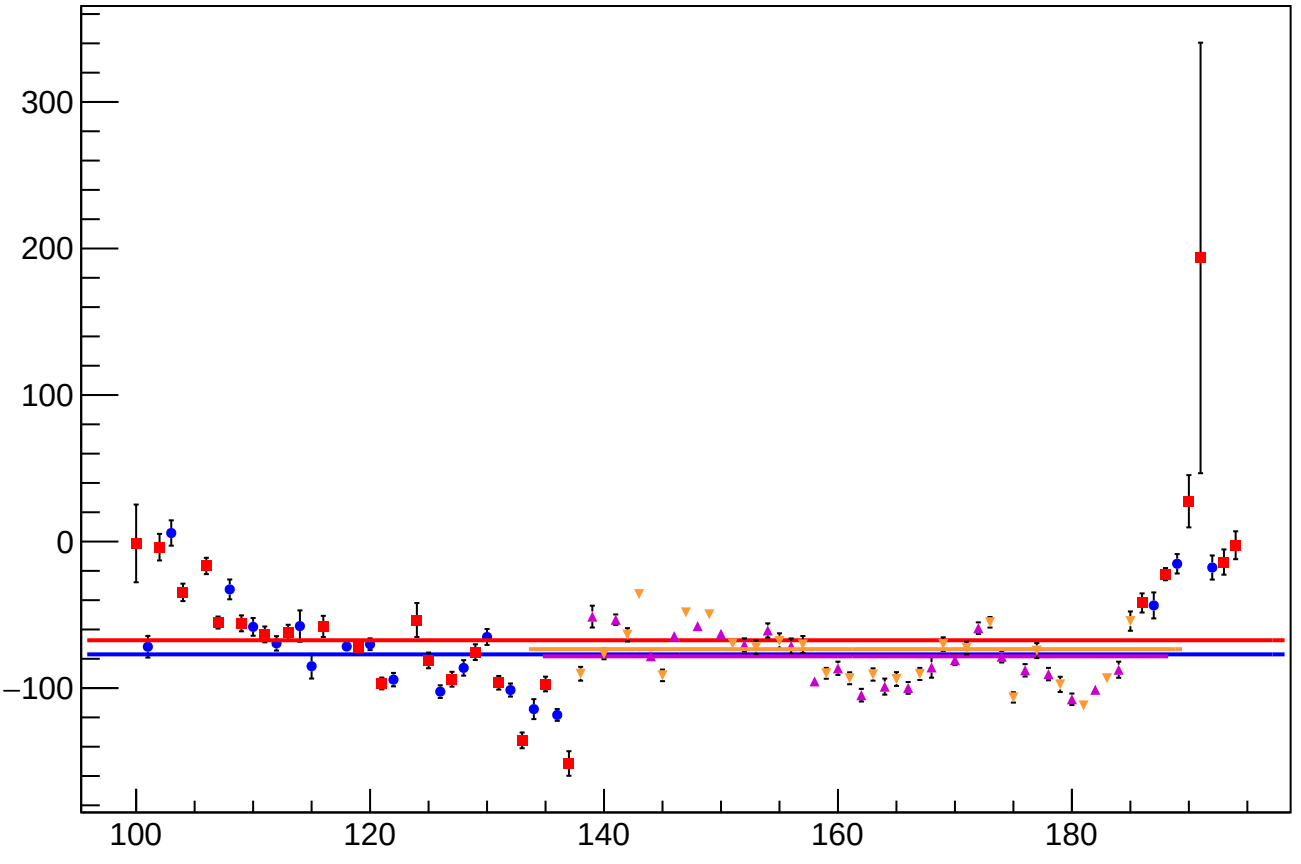
Right Out: -241.912+/-0.878 χ^2/NDF: 5533.1/24

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.544+/-0.686 χ^2/NDF: 4992.8/43

All: -225.989+/-0.469 χ^2/NDF: 12721.7/91

- sign -229.897+/-0.643 χ^2/NDF: 7650.1/47



Right In: -76.984+/-1.236 χ^2/NDF: 531.5/18

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

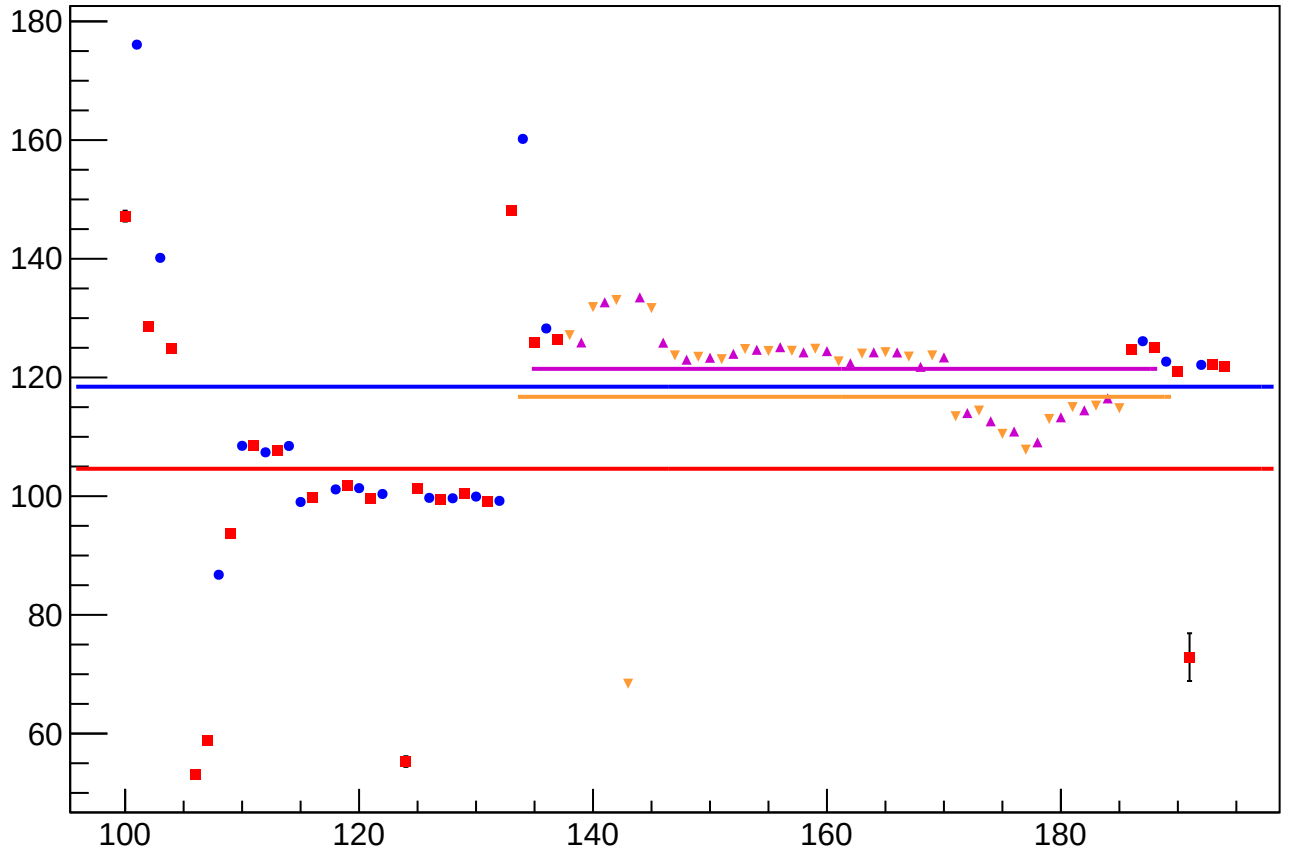
Right Out: -67.359+/-1.140 χ^2/NDF: 863.2/24

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -74.415+/-0.652 χ^2/NDF: 1374.0/43

All: -74.507+/-0.465 χ^2/NDF: 2741.7/91

- sign -74.603+/-0.664 χ^2/NDF: 1367.6/47



Right In: 118.446+/-0.072 χ^2/NDF: 96113.3/18

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 104.620+/-0.062 χ^2/NDF: 190485.7/24

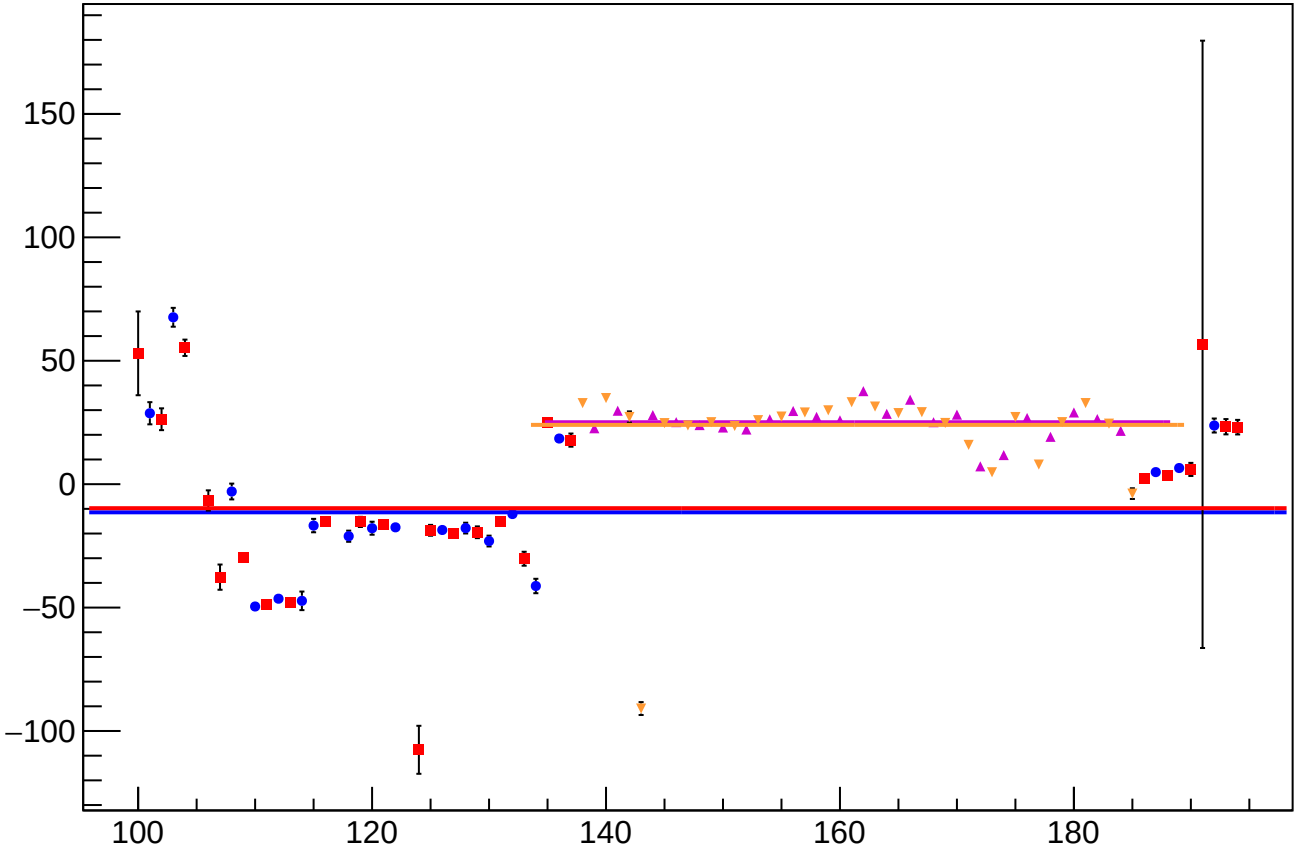
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.078+/-0.032 χ^2/NDF: 300212.5/43

All: 117.053+/-0.023 χ^2/NDF: 573158.2/91

- sign 117.028+/-0.032 χ^2/NDF: 272944.5/47

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: -9.730+/-0.428 χ^2/NDF: 2882.1/24

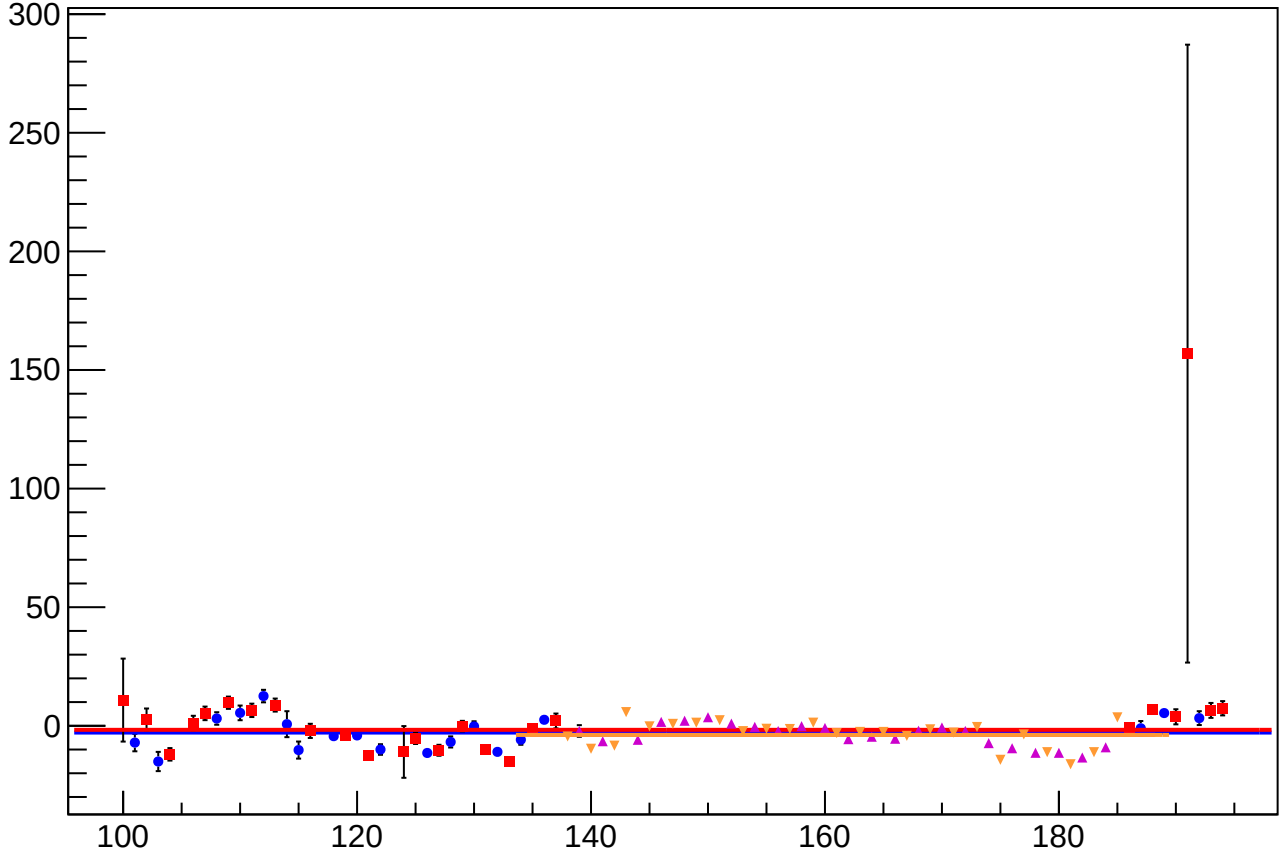
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.278+/-0.245 χ^2/NDF: 9195.7/43

All: 14.768+/-0.171 χ^2/NDF: 17142.2/91

- sign 14.285+/-0.239 χ^2/NDF: 7938.0/47

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: -1.696+/-0.481 χ^2/NDF: 229.2/24

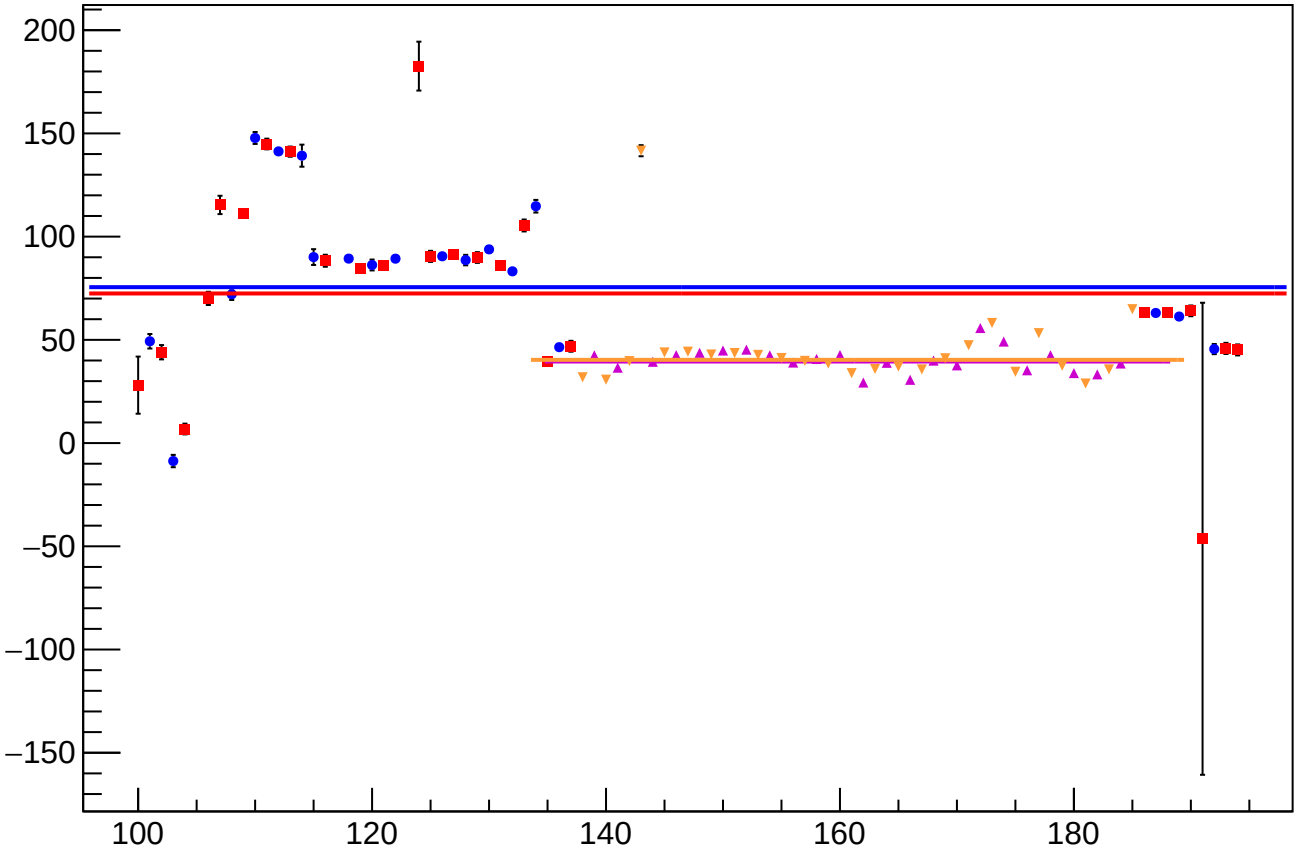
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.695+/-0.201 χ^2/NDF: 798.5/43

All: -3.554+/-0.143 χ^2/NDF: 1554.0/91

- sign -3.410+/-0.203 χ^2/NDF: 754.5/47

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

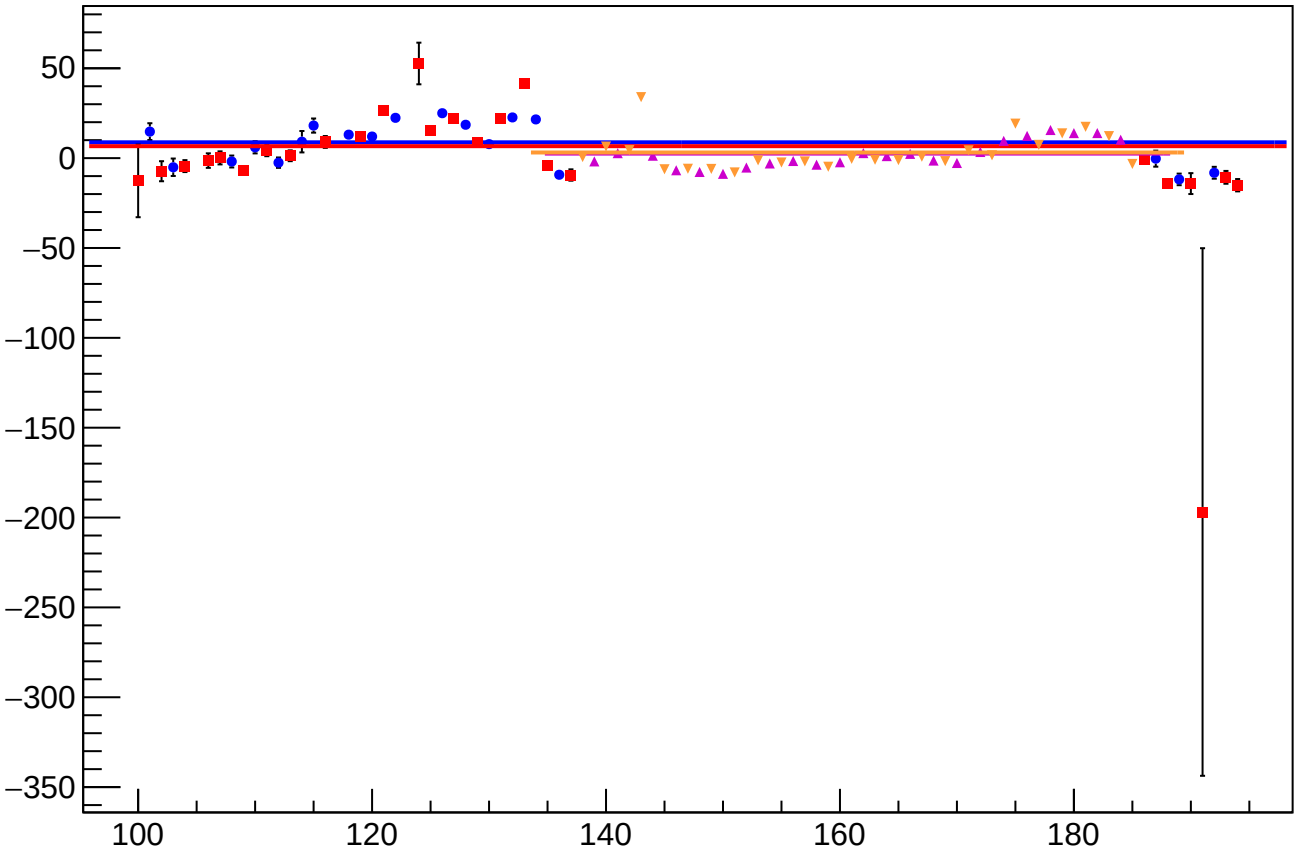
Right Out: 72.463+/-0.430 χ^2/NDF: 3976.2/24

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.183+/-0.247 χ^2/NDF: 9318.0/43

All: 48.901+/-0.171 χ^2/NDF: 17832.7/91

- sign 49.564+/-0.237 χ^2/NDF: 8498.4/47



Right In: 8.800+/-0.599 χ^2/NDF: 437.4/18

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

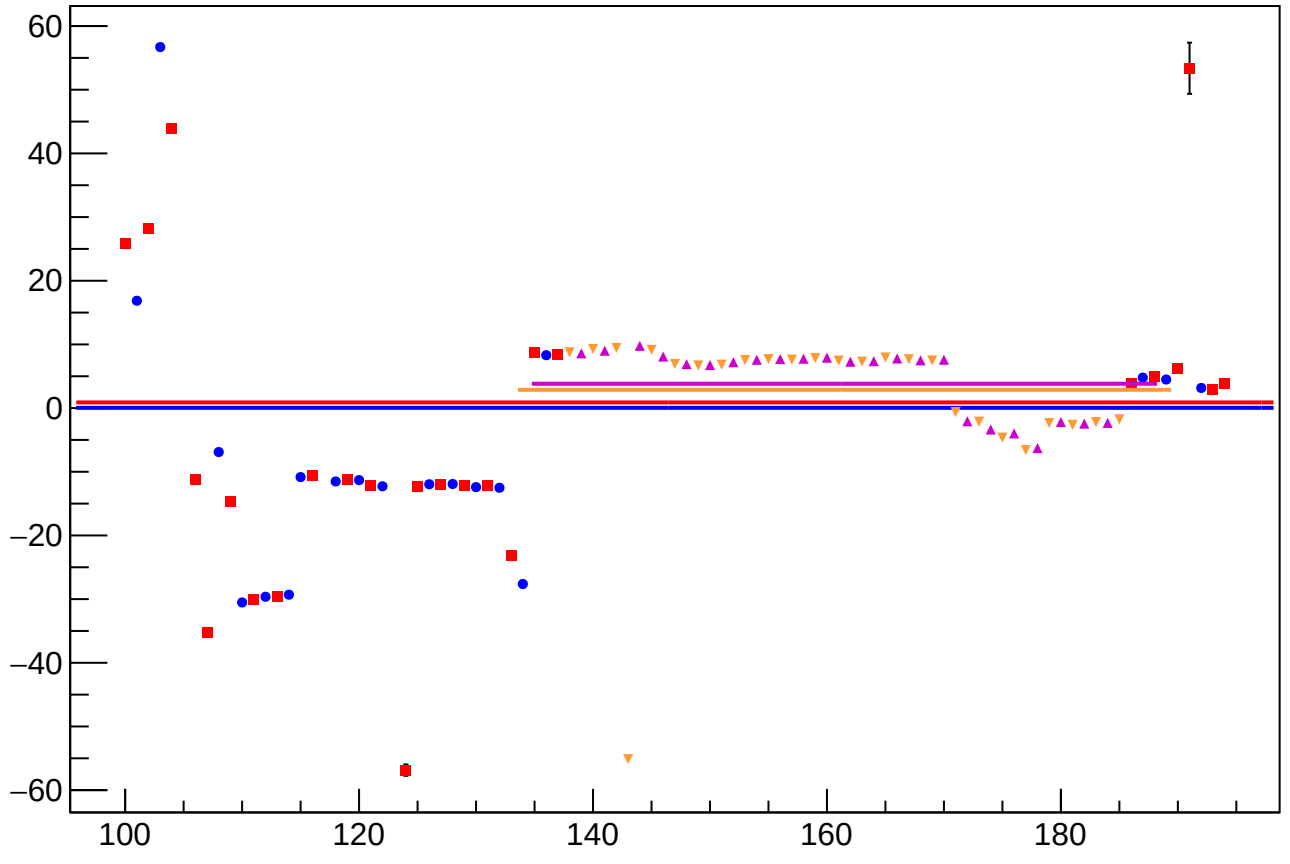
Right Out: 6.649+/-0.574 χ^2/NDF: 683.1/24

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

\+ sign 3.955+/-0.227 χ^2/NDF: 1780.8/43

All: 3.573+/-0.162 χ^2/NDF: 3481.2/91

\- sign 3.181+/-0.230 χ^2/NDF: 1694.7/47



Right In: 0.041+/-0.033 χ^2/NDF: 370835.9/18

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 0.893+/-0.031 χ^2/NDF: 322085.7/24

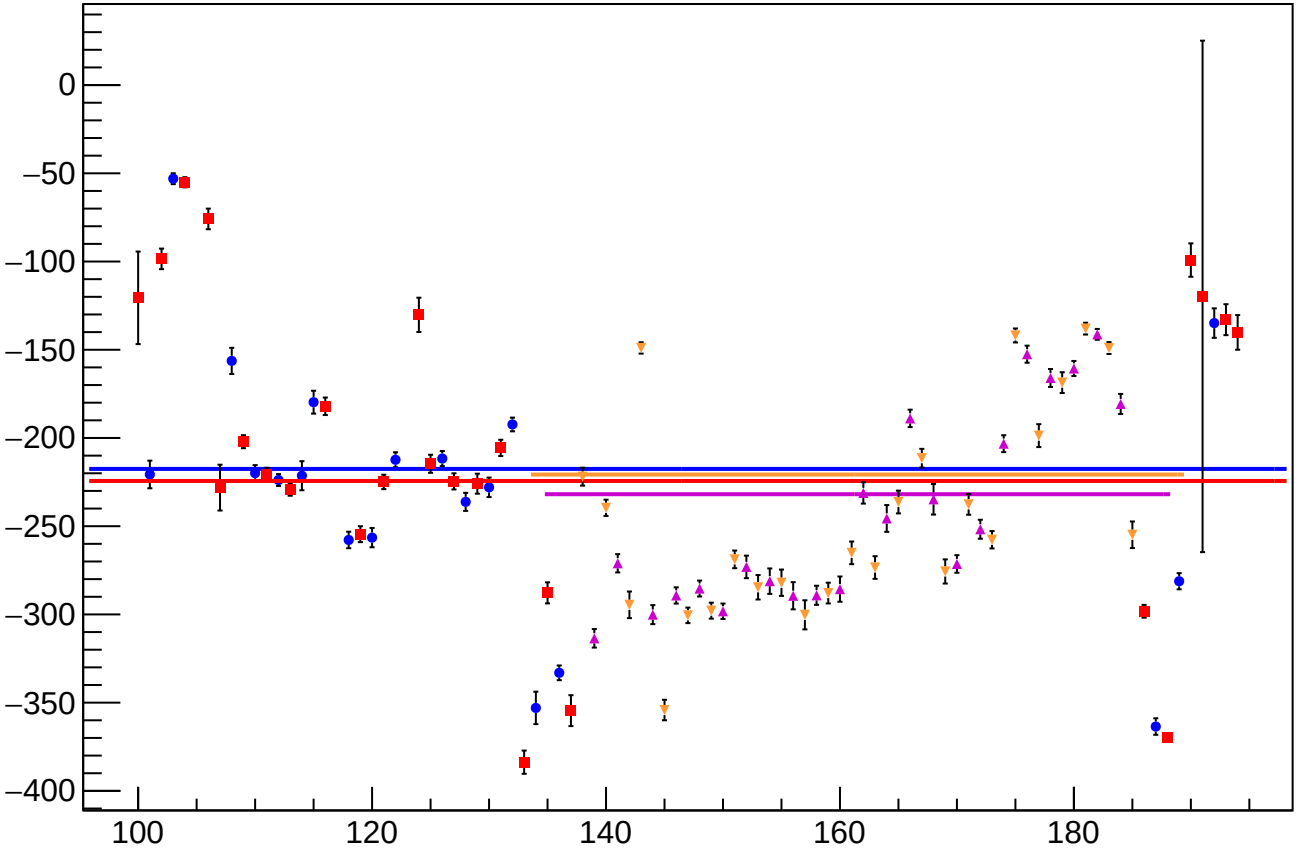
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.582+/-0.010 χ^2/NDF: 889923.6/43

All: 3.034+/-0.007 χ^2/NDF: 1457020.9/91

- sign 3.489+/-0.010 χ^2/NDF: 563315.7/47

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -217.533+/-1.104 χ^2/NDF: 5421.6/18

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

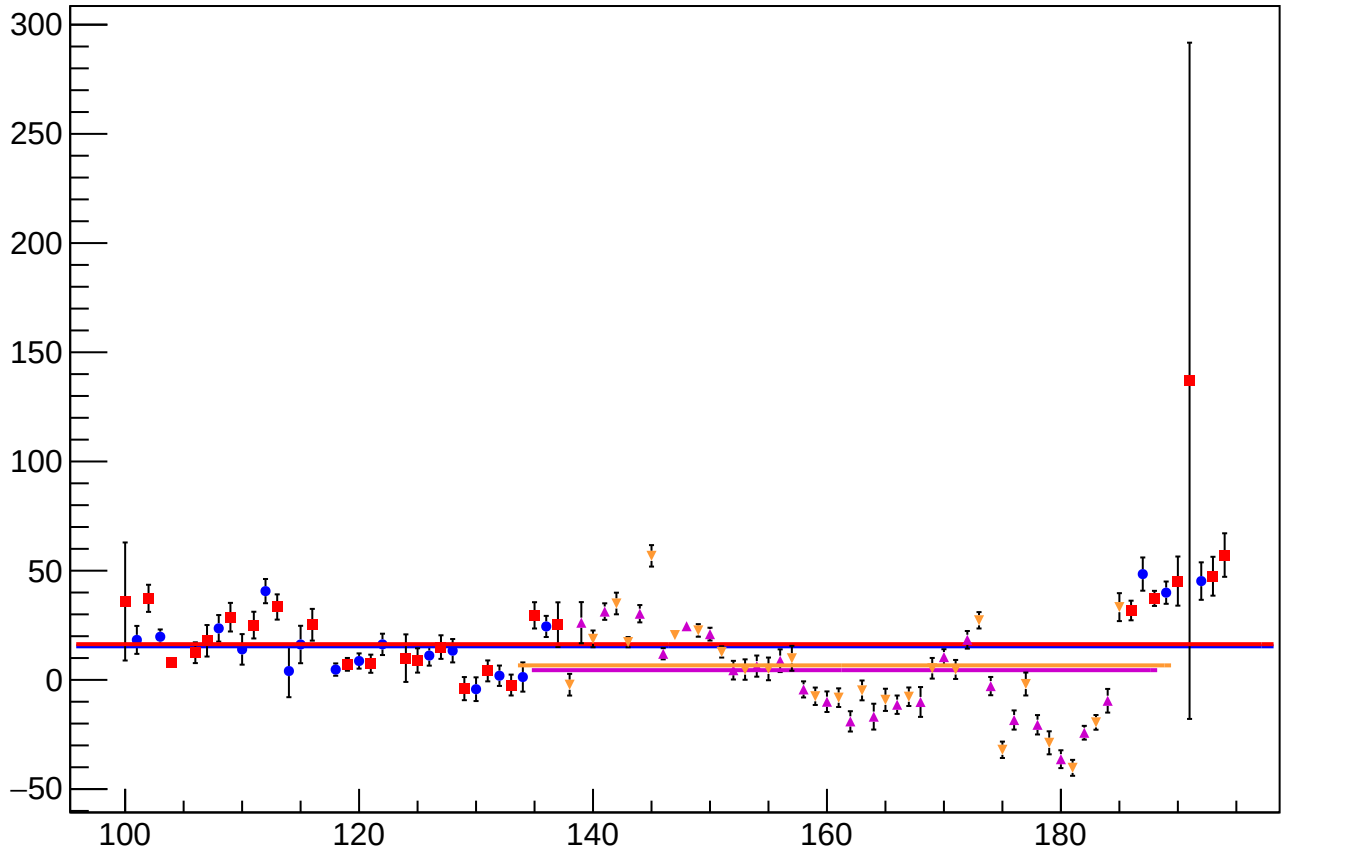
Right Out: -224.363+/-0.969 χ^2/NDF: 9936.7/24

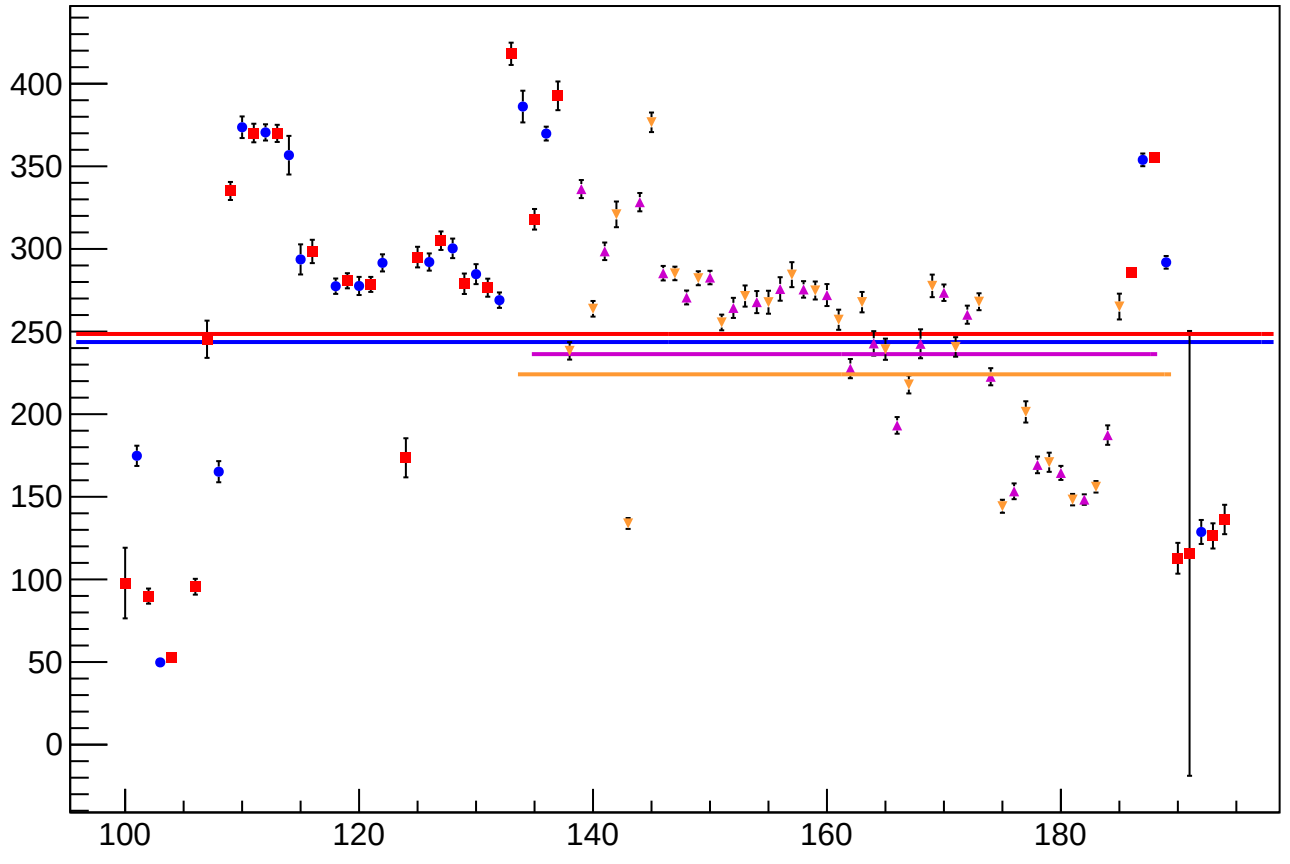
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -219.257+/-0.748 χ^2/NDF: 9478.3/43

All: -223.651+/-0.519 χ^2/NDF: 22668.6/91

- sign -227.723+/-0.720 χ^2/NDF: 13123.9/47


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug
300
250
200
150
100
50
0
−50
100
120
140
160
180
Right In: 15.371+/-1.147 χ2/NDF: 128.0/18
Left Out: 6.643+/-0.752 χ2/NDF:735.0/24
Right Out: 16.354+/-1.021 χ2/NDF: 185.6/24
Left In: 4.447+/-0.807 χ2/NDF:567.1/22
+ sign 9.270+/-0.629 χ2/NDF: 903.5/43
All: 9.148+/-0.446 χ2/NDF: 1739.9/91
- sign 9.024+/-0.633 χ2/NDF: 836.4/47



Right In: 243.656+/-1.129 χ^2/NDF: 10721.3/18

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 248.542+/-0.950 χ^2/NDF: 16055.1/24

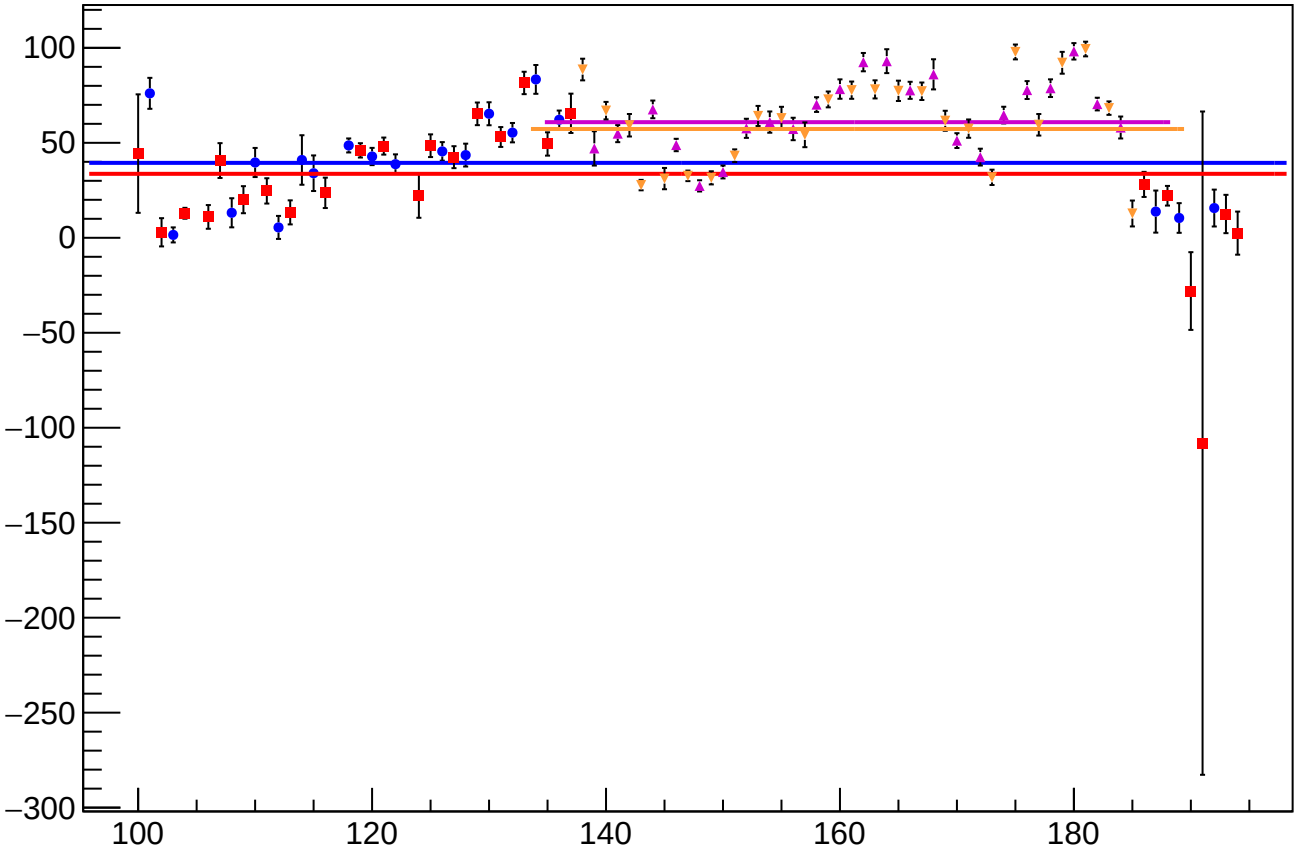
Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 232.842+/-0.754 χ^2/NDF: 14853.8/43

All: 238.310+/-0.517 χ^2/NDF: 34073.8/91

- sign 243.146+/-0.709 χ^2/NDF: 19121.0/47

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

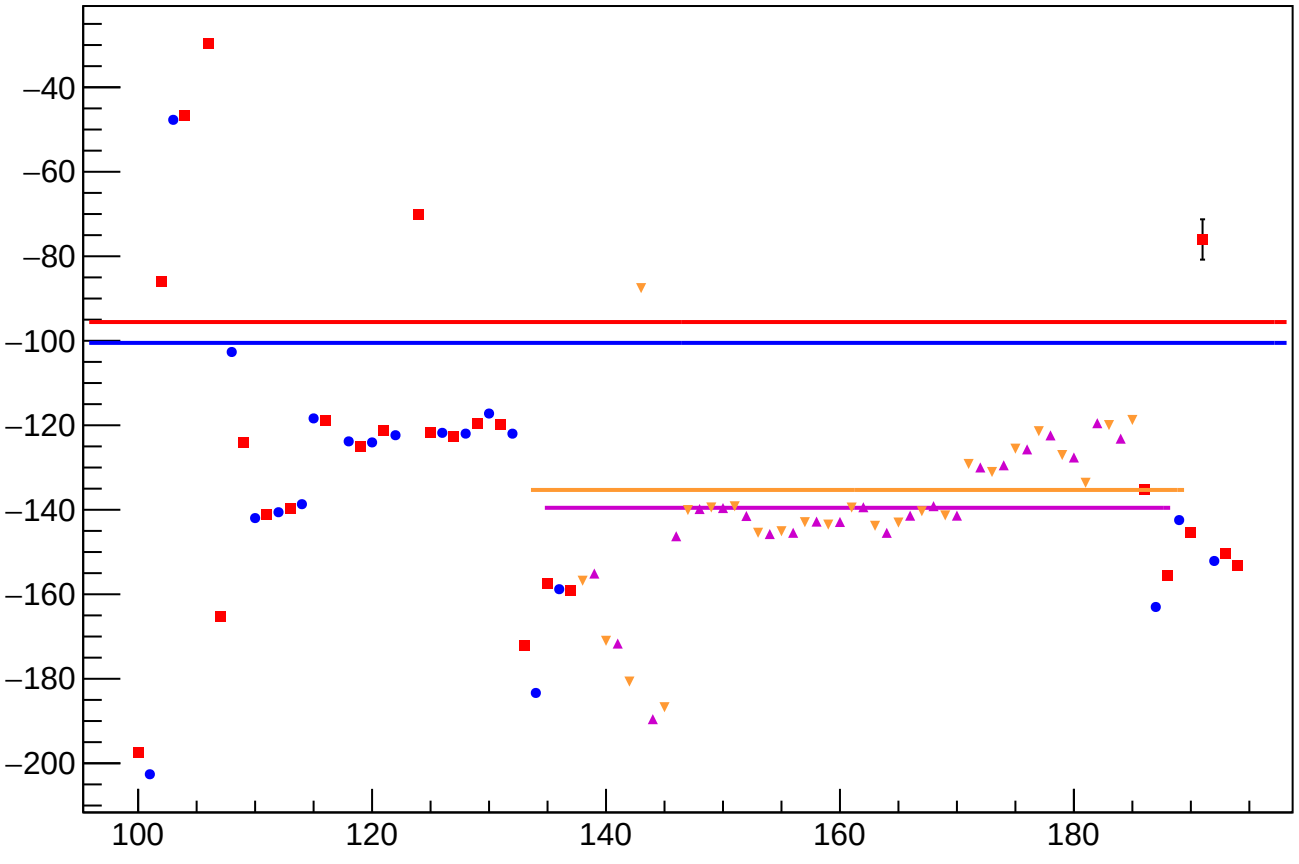
Right Out: 33.679+/-1.234 χ^2/NDF: 282.9/24

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 52.082+/-0.730 χ^2/NDF: 1163.8/43

All: 51.608+/-0.519 χ^2/NDF: 2213.9/91

- sign 51.124+/-0.739 χ^2/NDF: 1049.3/47



Right In: -100.498+/-0.066 χ^2/NDF: 577596.2/18

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

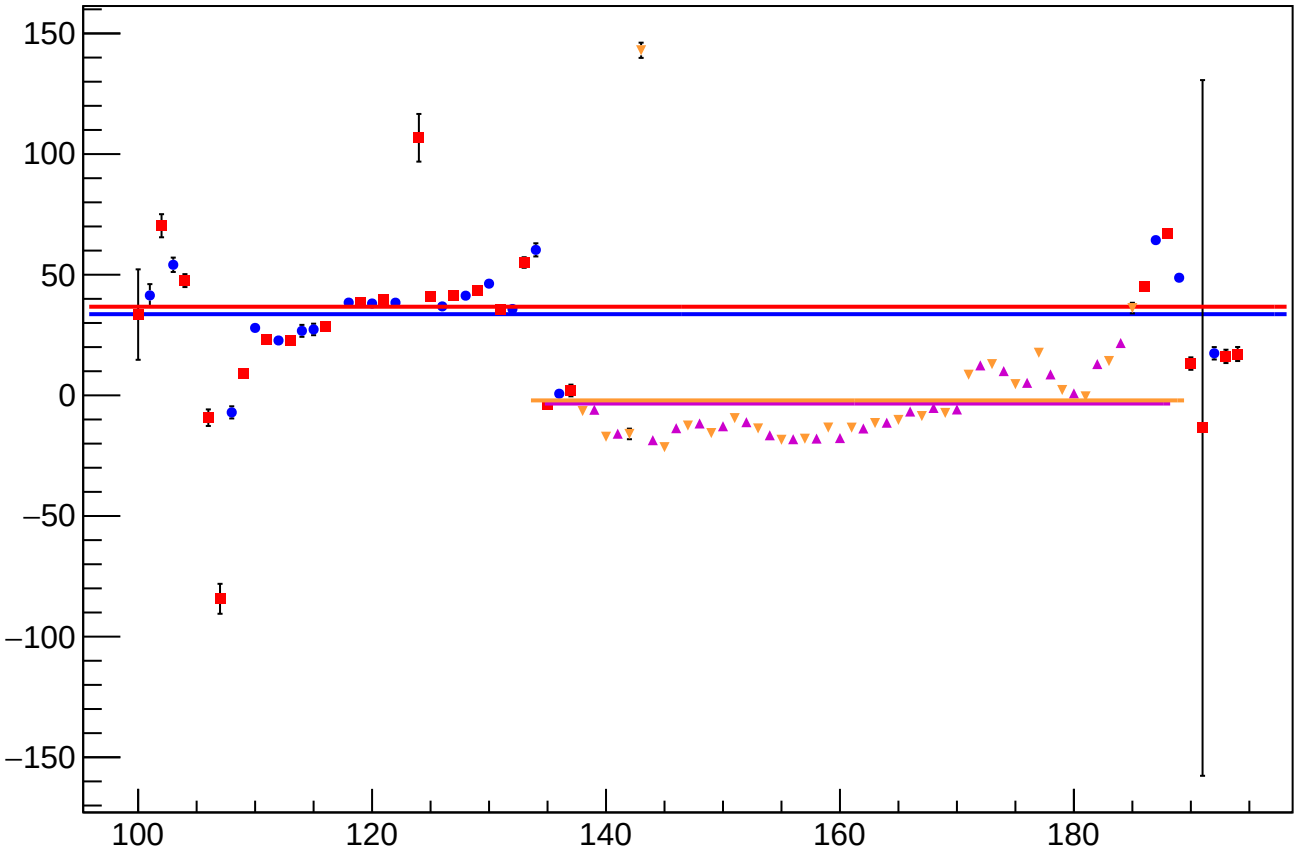
Right Out: -95.564+/-0.062 χ^2/NDF: 627262.8/24

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

\+ sign -125.792+/-0.035 χ^2/NDF: 1041597.3/43

All: -125.673+/-0.025 χ^2/NDF: 2130028.3/91

\- sign -125.552+/-0.035 χ^2/NDF: 1088407.1/47



Right In: 33.647+/-0.382 χ^2/NDF: 2191.8/18

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

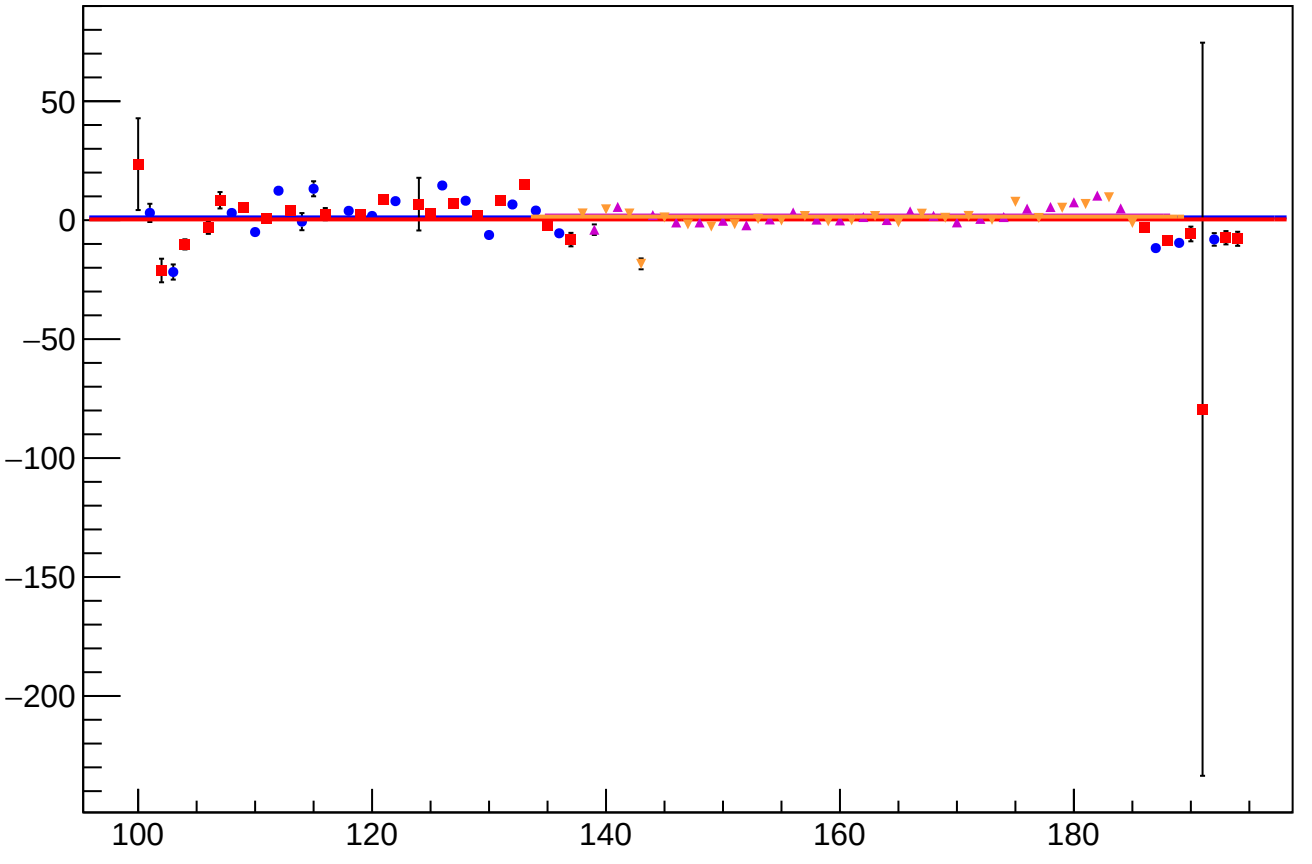
Right Out: 36.735+/-0.324 χ^2/NDF: 4484.3/24

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 9.634+/-0.219 χ^2/NDF: 12281.0/43

All: 11.476+/-0.151 χ^2/NDF: 27667.5/91

- sign 13.142+/-0.208 χ^2/NDF: 15251.3/47



Right In: 1.159+/-0.411 χ^2/NDF: 366.2/18

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

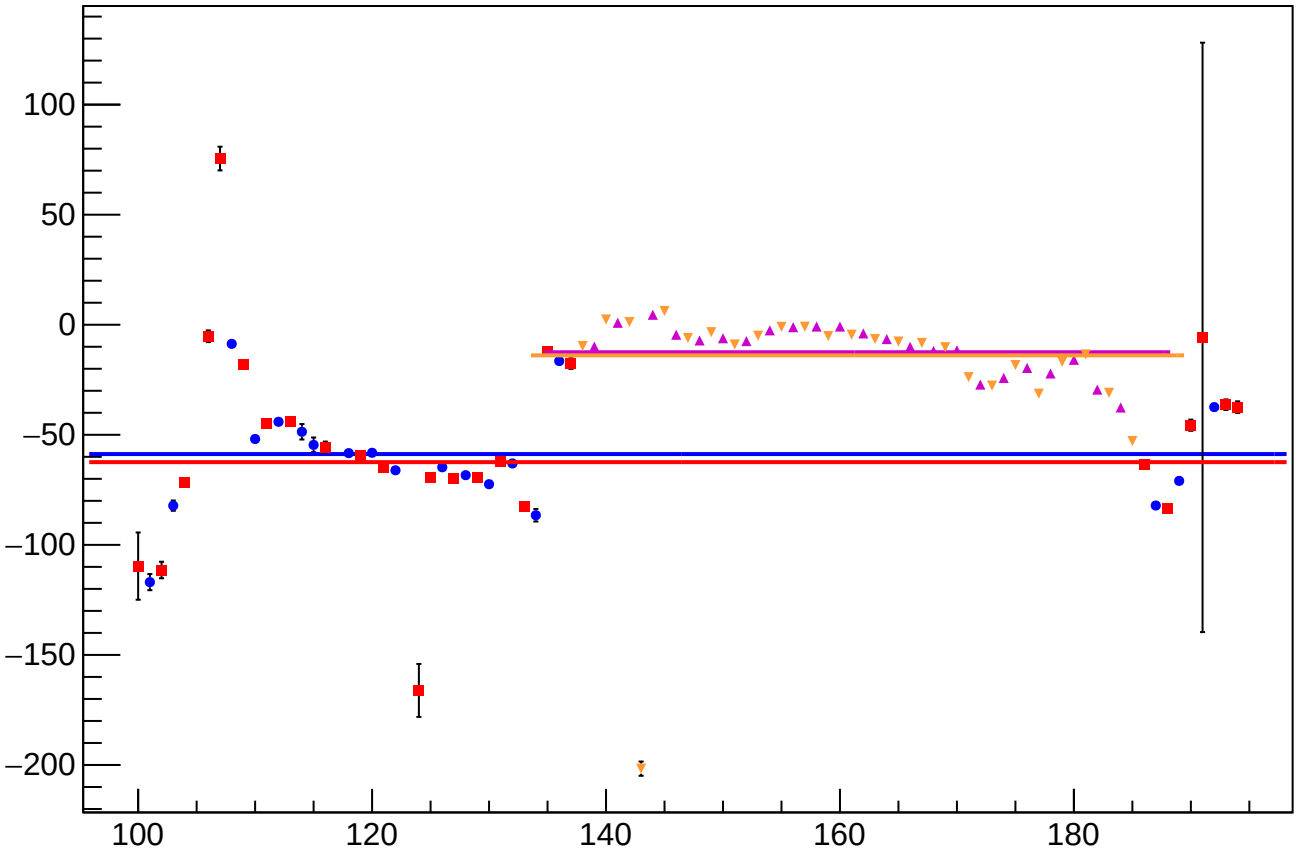
Right Out: 0.322+/-0.375 χ^2/NDF: 334.8/24

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.423+/-0.183 χ^2/NDF: 695.3/43

All: 1.485+/-0.130 χ^2/NDF: 1285.1/91

\- sign 1.547+/-0.183 χ^2/NDF: 589.6/47



Right In: -58.751+/-0.405 χ^2/NDF: 3197.9/18

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

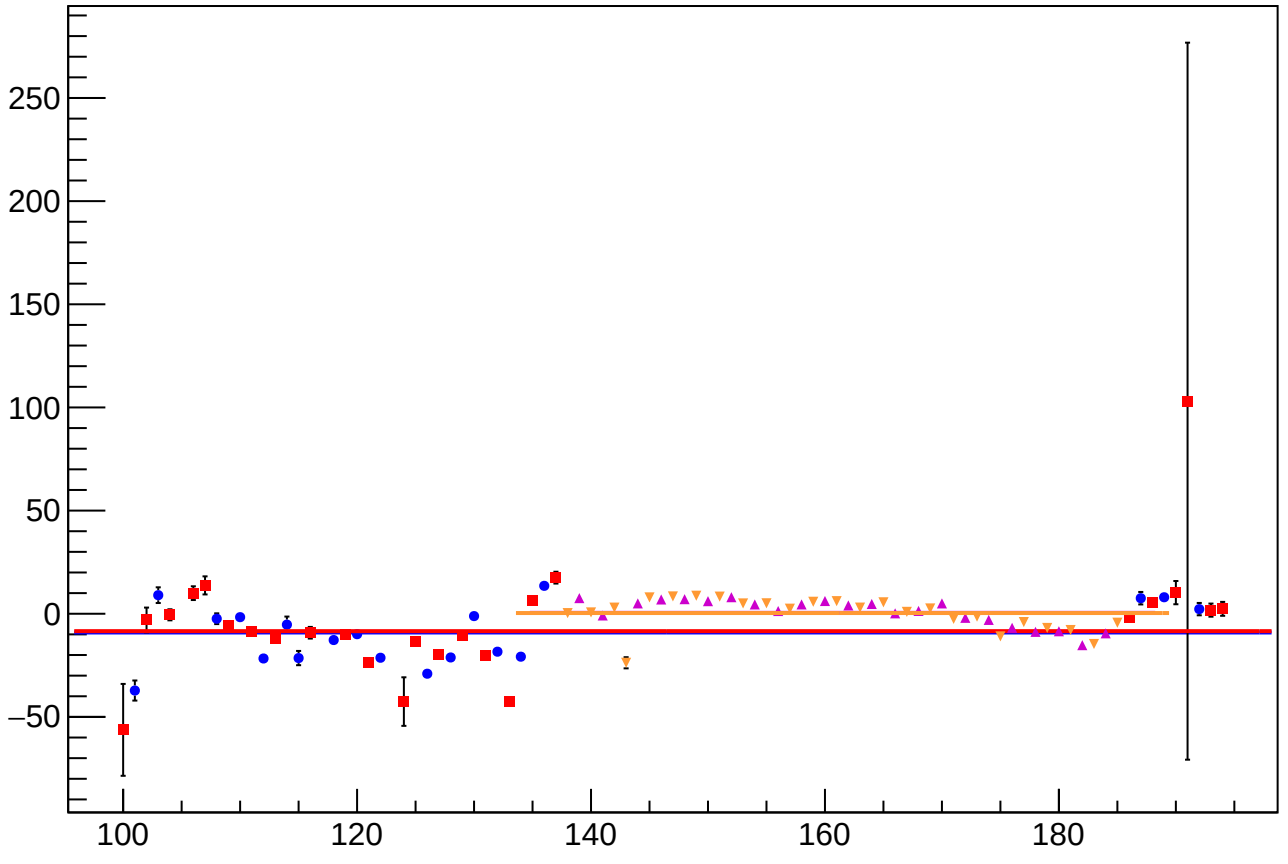
Right Out: -62.418+/-0.321 χ^2/NDF: 5187.4/24

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -27.315+/-0.222 χ^2/NDF: 16906.7/43

All: -30.385+/-0.151 χ^2/NDF: 38089.1/91

- sign -33.040+/-0.206 χ^2/NDF: 20824.7/47



Right In: -9.076+/-0.481 χ^2/NDF: 775.1/18

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

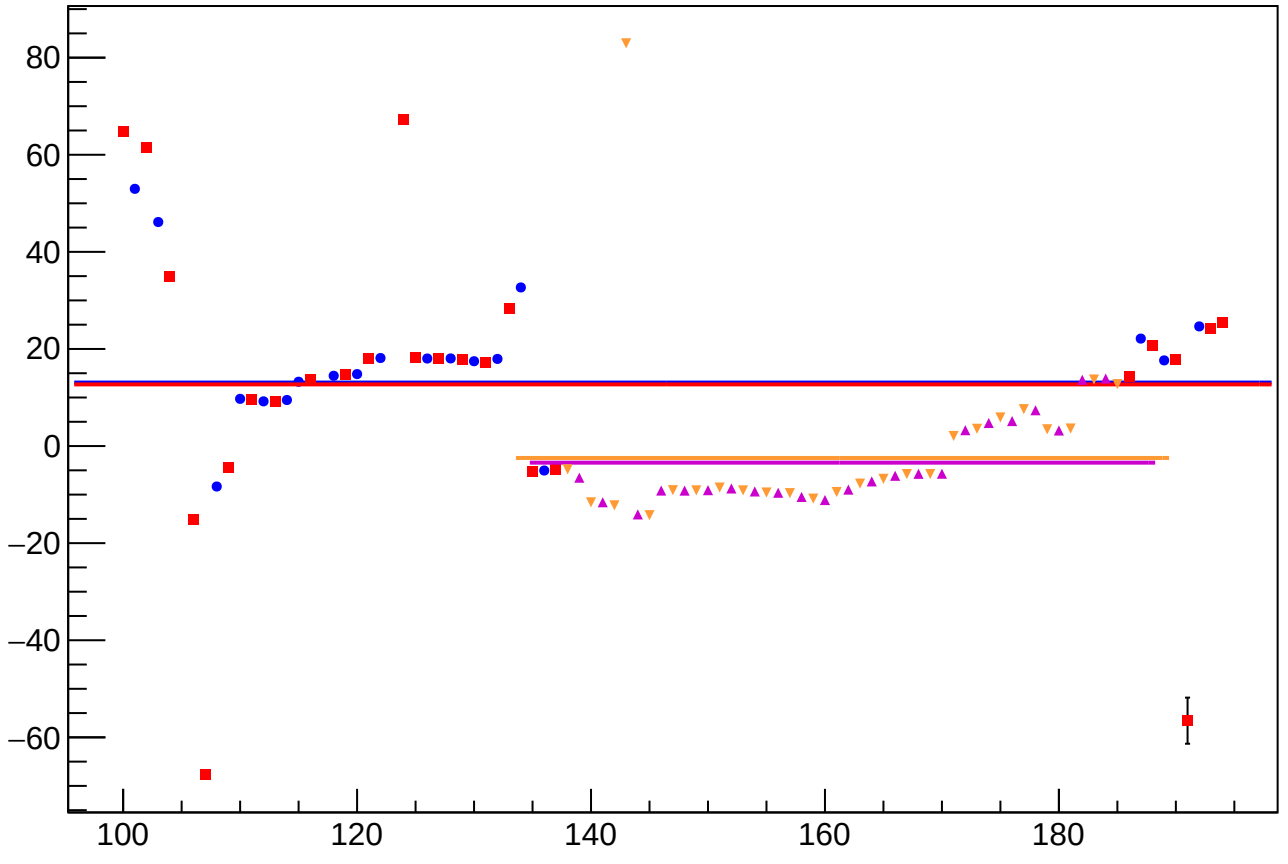
Right Out: -8.434+/-0.454 χ^2/NDF: 832.4/24

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.425+/-0.208 χ^2/NDF: 2008.5/43

All: -1.442+/-0.148 χ^2/NDF: 3922.7/91

- sign -1.459+/-0.210 χ^2/NDF: 1914.1/47



Right In: 13.076+/-0.027 χ^2/NDF: 372615.4/18

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

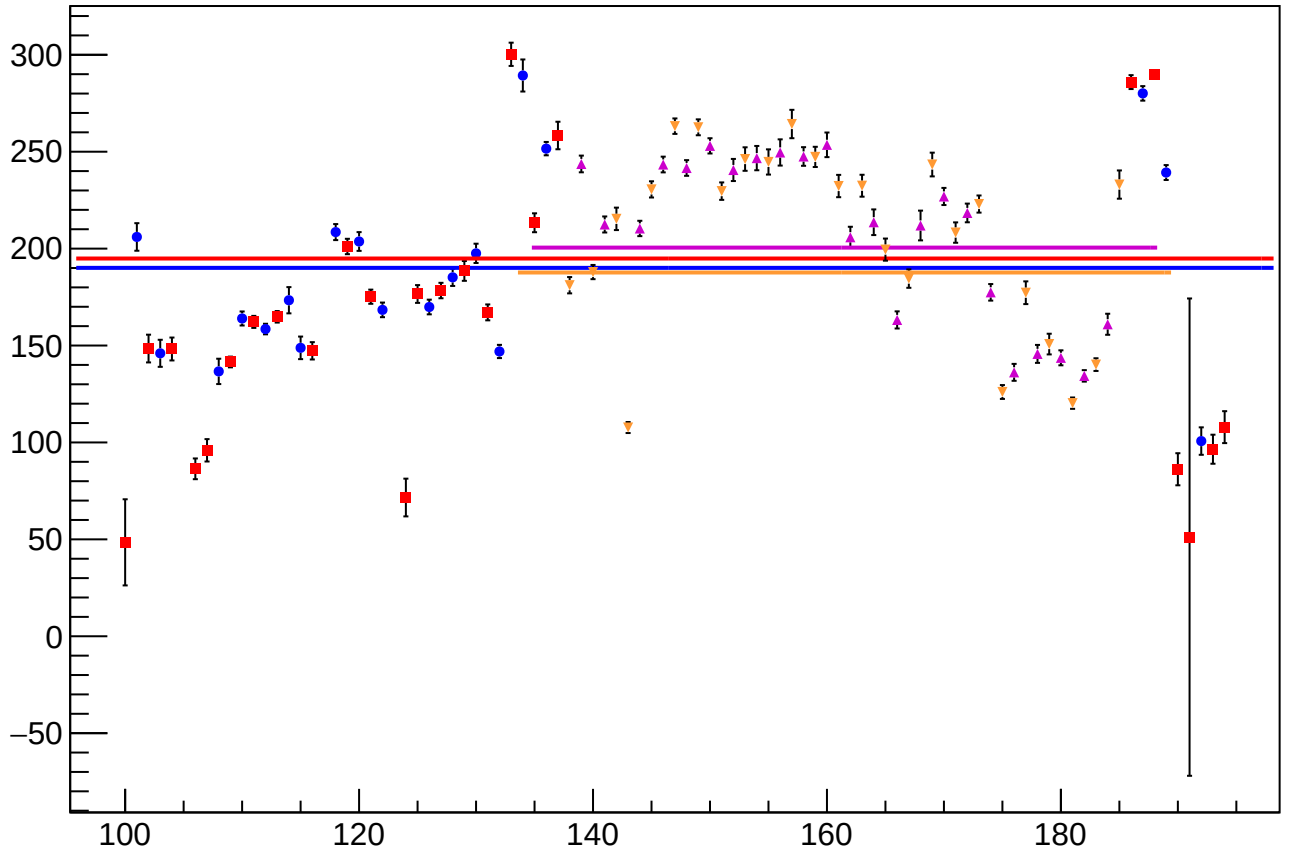
Right Out: 12.703+/-0.026 χ^2/NDF: 494109.5/24

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign -0.488+/-0.010 χ^2/NDF: 1619036.1/43

All: -0.825+/-0.007 χ^2/NDF: 2995940.1/91

- sign -1.163+/-0.010 χ^2/NDF: 1374472.1/47



Right In: 190.074+/-1.000 χ^2/NDF: 1967.8/18

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

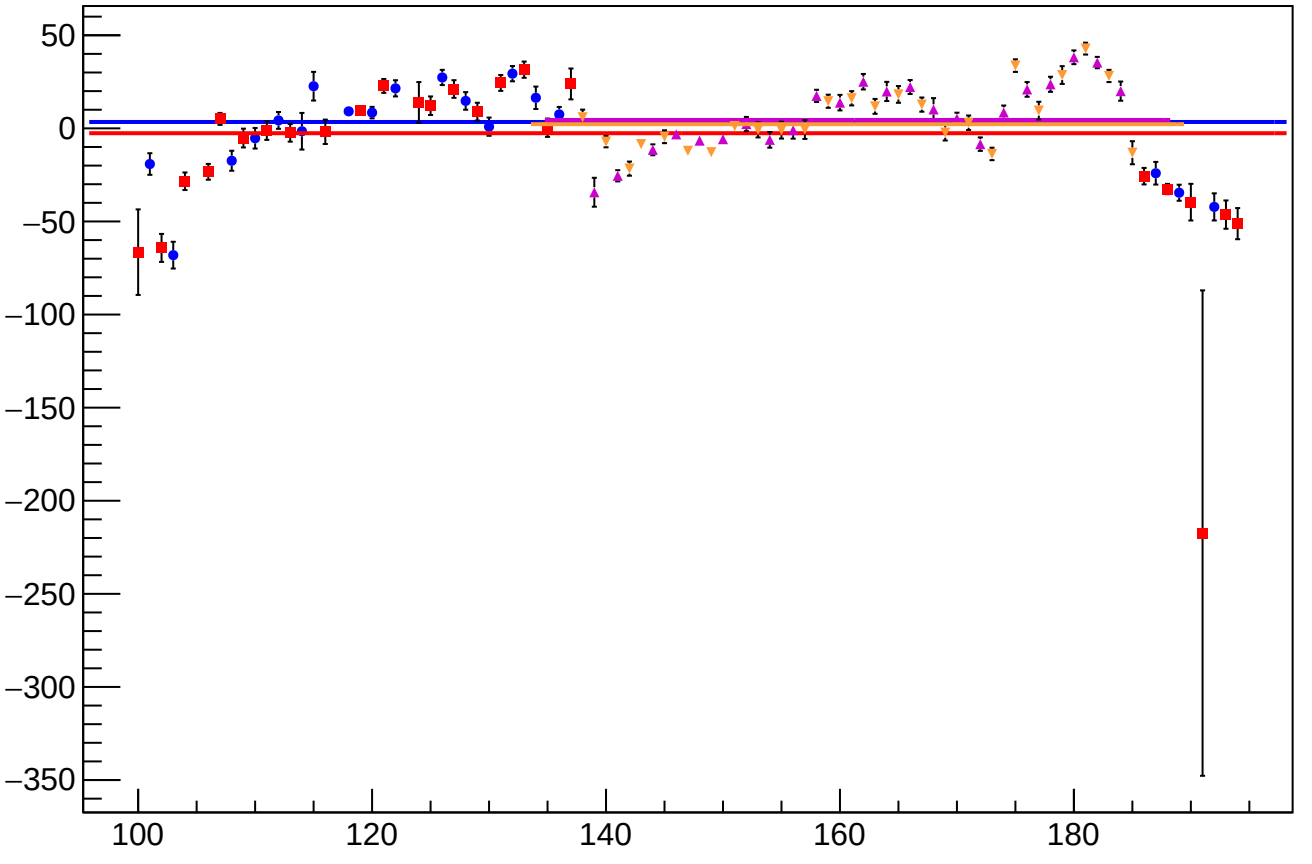
Right Out: 194.895+/-0.864 χ^2/NDF: 5624.7/24

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.749+/-0.668 χ^2/NDF: 5499.3/43

All: 193.268+/-0.462 χ^2/NDF: 13342.4/91

- sign 197.427+/-0.641 χ^2/NDF: 7755.2/47



Right In: 3.427+/-1.050 χ^2/NDF: 386.6/18

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -2.606+/-0.949 χ^2/NDF: 586.4/24

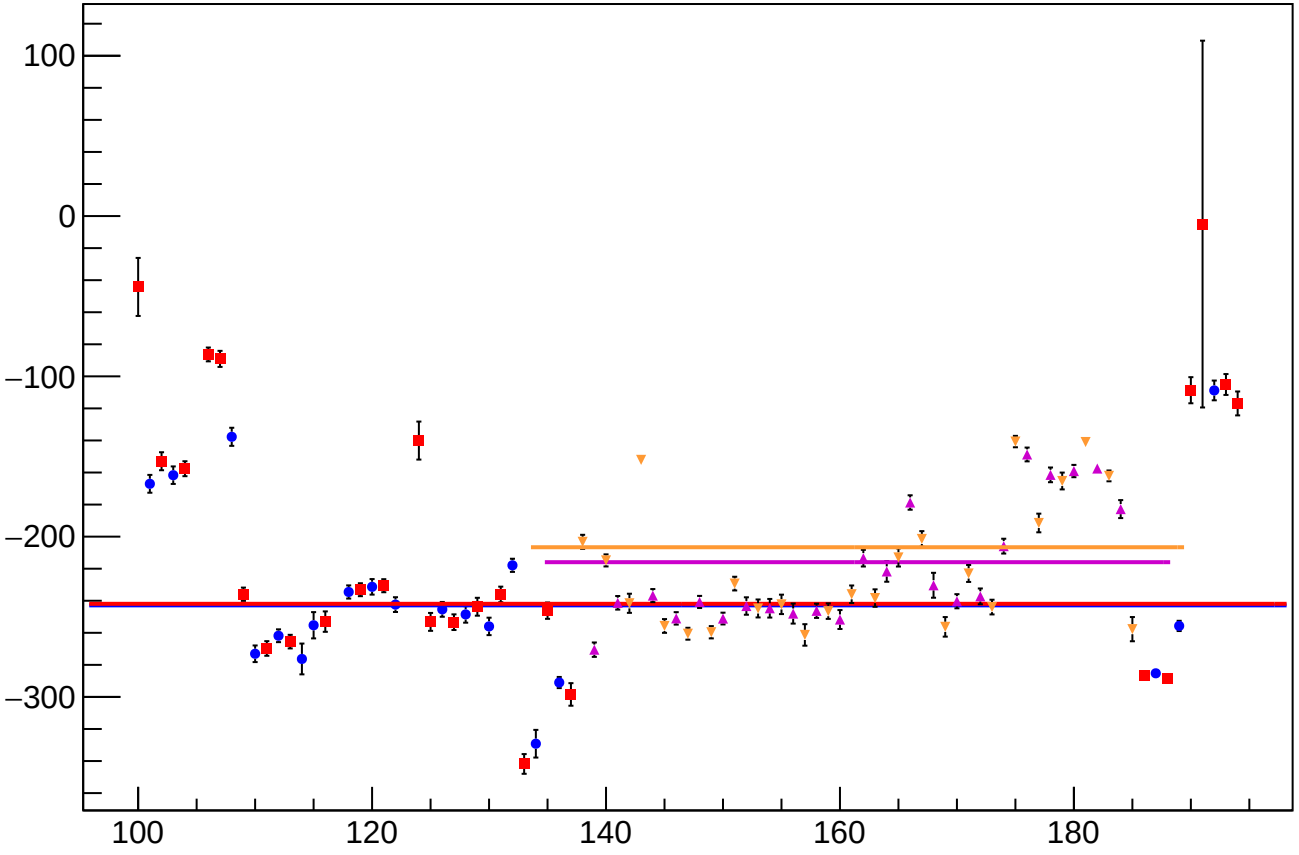
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

\+ sign 2.583+/-0.562 χ^2/NDF: 988.4/43

All: 2.266+/-0.400 χ^2/NDF: 2158.5/91

\- sign 1.938+/-0.571 χ^2/NDF: 1169.5/47

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: -241.912+/-0.878 χ^2/NDF: 5533.1/24

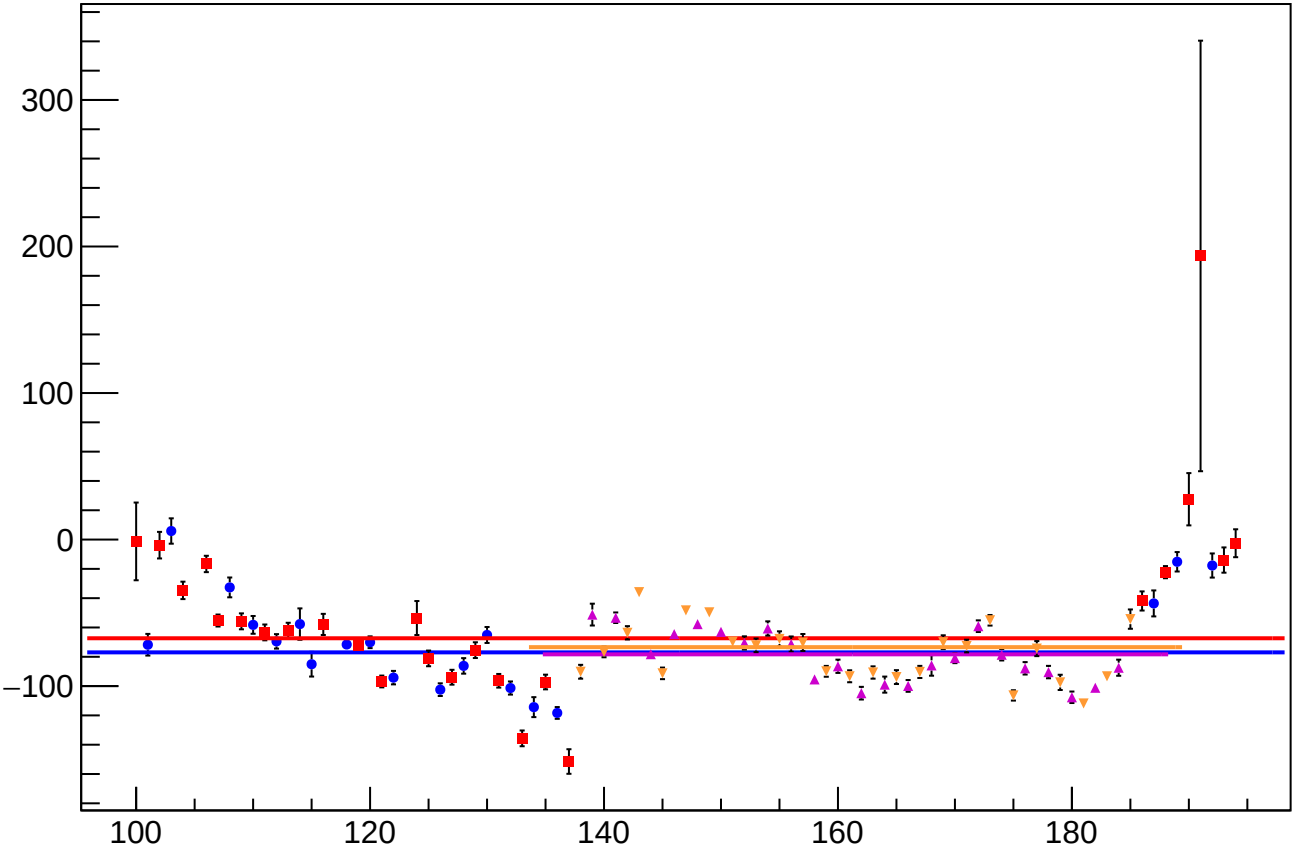
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.544+/-0.686 χ^2/NDF: 4992.8/43

All: -225.989+/-0.469 χ^2/NDF: 12721.7/91

- sign -229.897+/-0.643 χ^2/NDF: 7650.1/47

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: -67.359+/-1.140 χ^2/NDF: 863.2/24

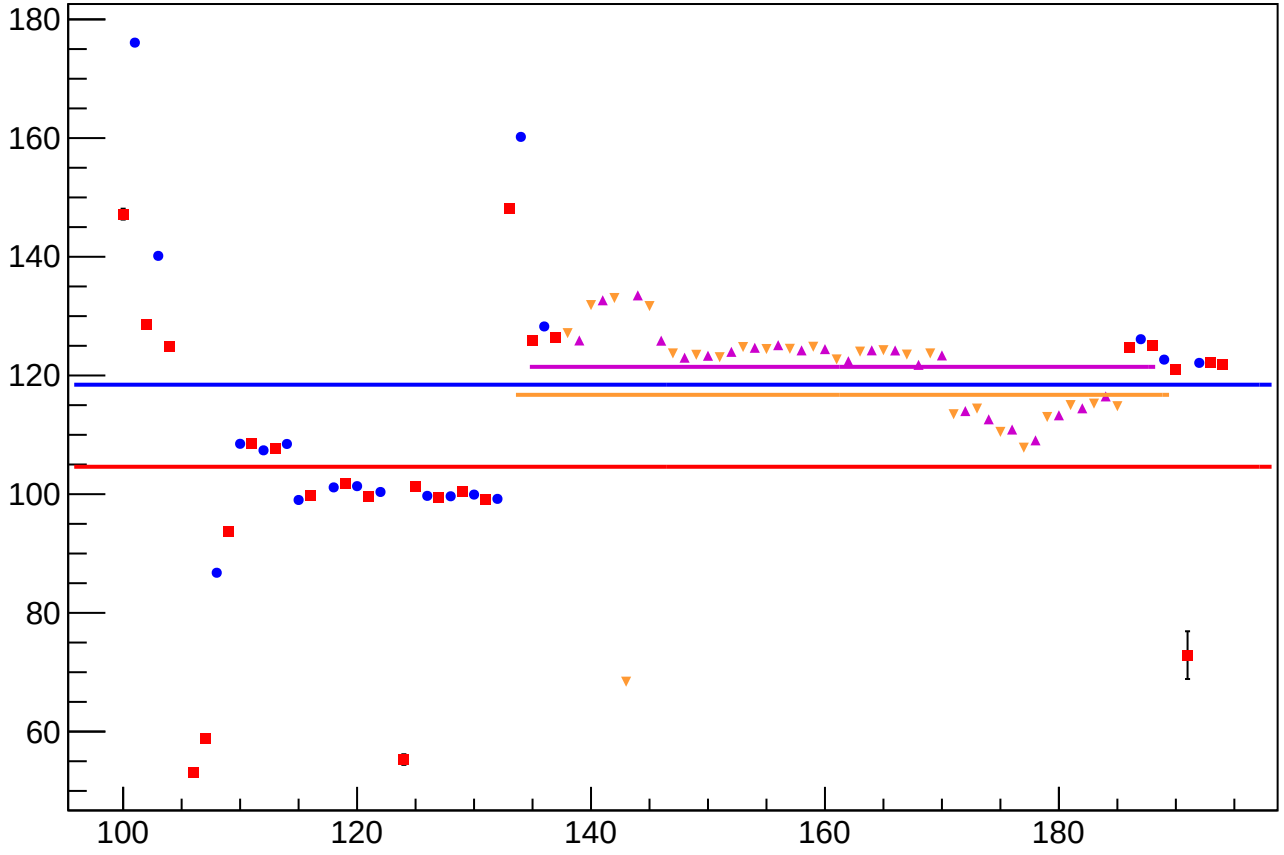
Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -74.415+/-0.652 χ^2/NDF: 1374.0/43

All: -74.507+/-0.465 χ^2/NDF: 2741.7/91

\- sign -74.603+/-0.664 χ^2/NDF: 1367.6/47

reg_asym_at1_avg_at2_avg_dd_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: 104.620+/-0.062 χ^2/NDF: 190485.7/24

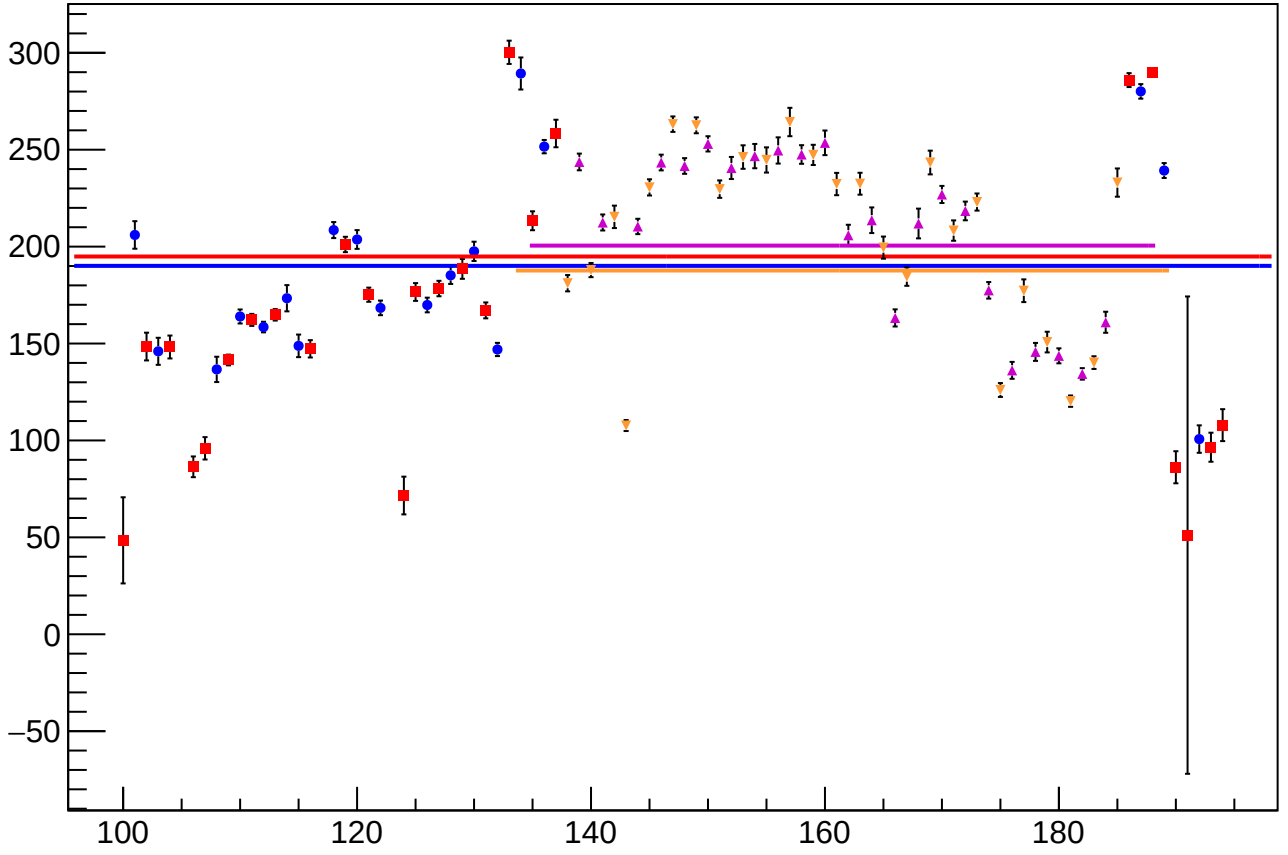
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.078+/-0.032 χ^2/NDF: 300212.5/43

All: 117.053+/-0.023 χ^2/NDF: 573158.2/91

- sign 117.028+/-0.032 χ^2/NDF: 272944.5/47

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 190.074+/-1.000 χ^2/NDF: 1967.8/18

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

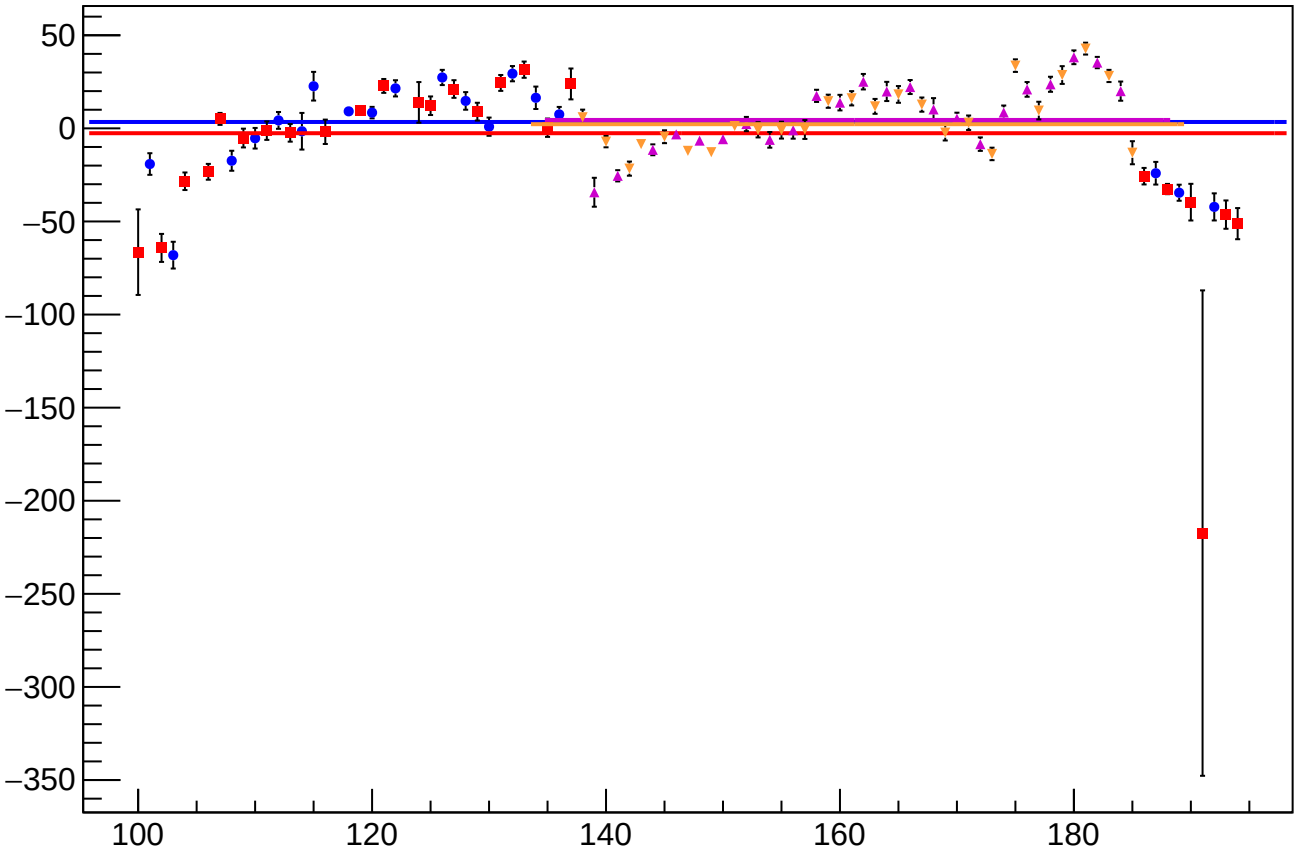
Right Out: 194.895+/-0.864 χ^2/NDF: 5624.7/24

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.749+/-0.668 χ^2/NDF: 5499.3/43

All: 193.268+/-0.462 χ^2/NDF: 13342.4/91

- sign 197.427+/-0.641 χ^2/NDF: 7755.2/47



Right In: 3.427+/-1.050 χ^2/NDF: 386.6/18

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

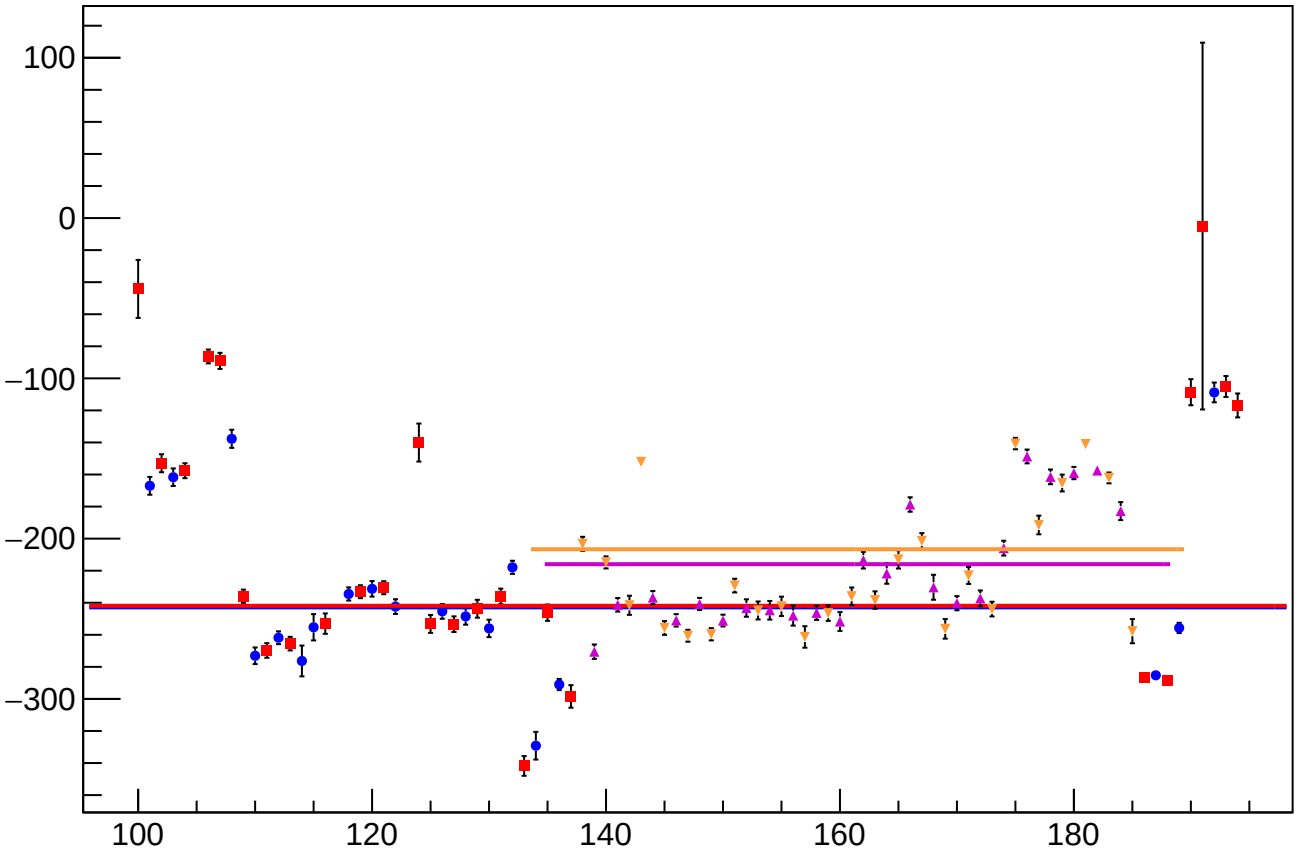
Right Out: -2.606+/-0.949 χ^2/NDF: 586.4/24

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 2.583+/-0.562 χ^2/NDF: 988.4/43

All: 2.266+/-0.400 χ^2/NDF: 2158.5/91

- sign 1.938+/-0.571 χ^2/NDF: 1169.5/47



Right In: -242.871+/-1.069 χ^2/NDF: 1849.0/18

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

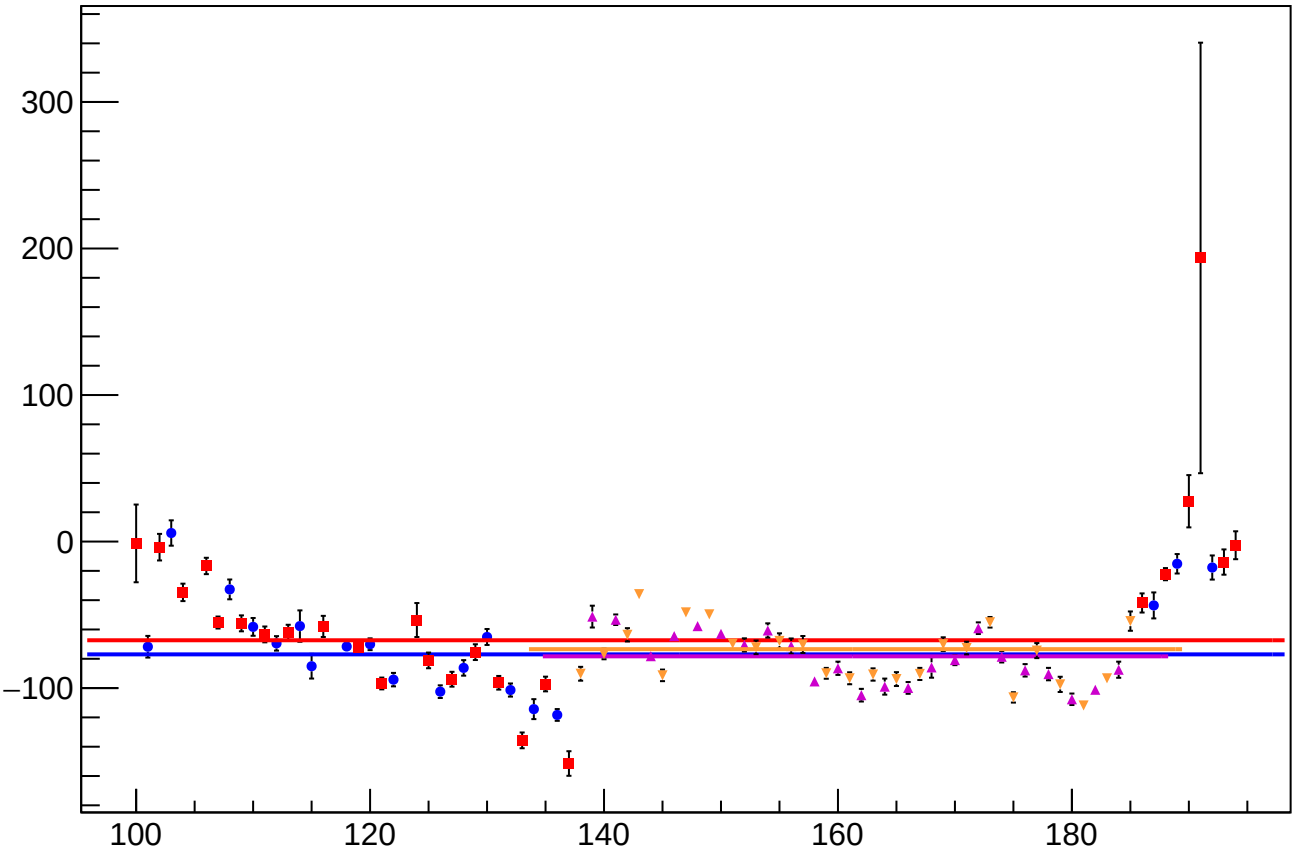
Right Out: -241.912+/-0.878 χ^2/NDF: 5533.1/24

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.544+/-0.686 χ^2/NDF: 4992.8/43

All: -225.989+/-0.469 χ^2/NDF: 12721.7/91

- sign -229.897+/-0.643 χ^2/NDF: 7650.1/47



Right In: -76.984+/-1.236 χ^2/NDF: 531.5/18

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

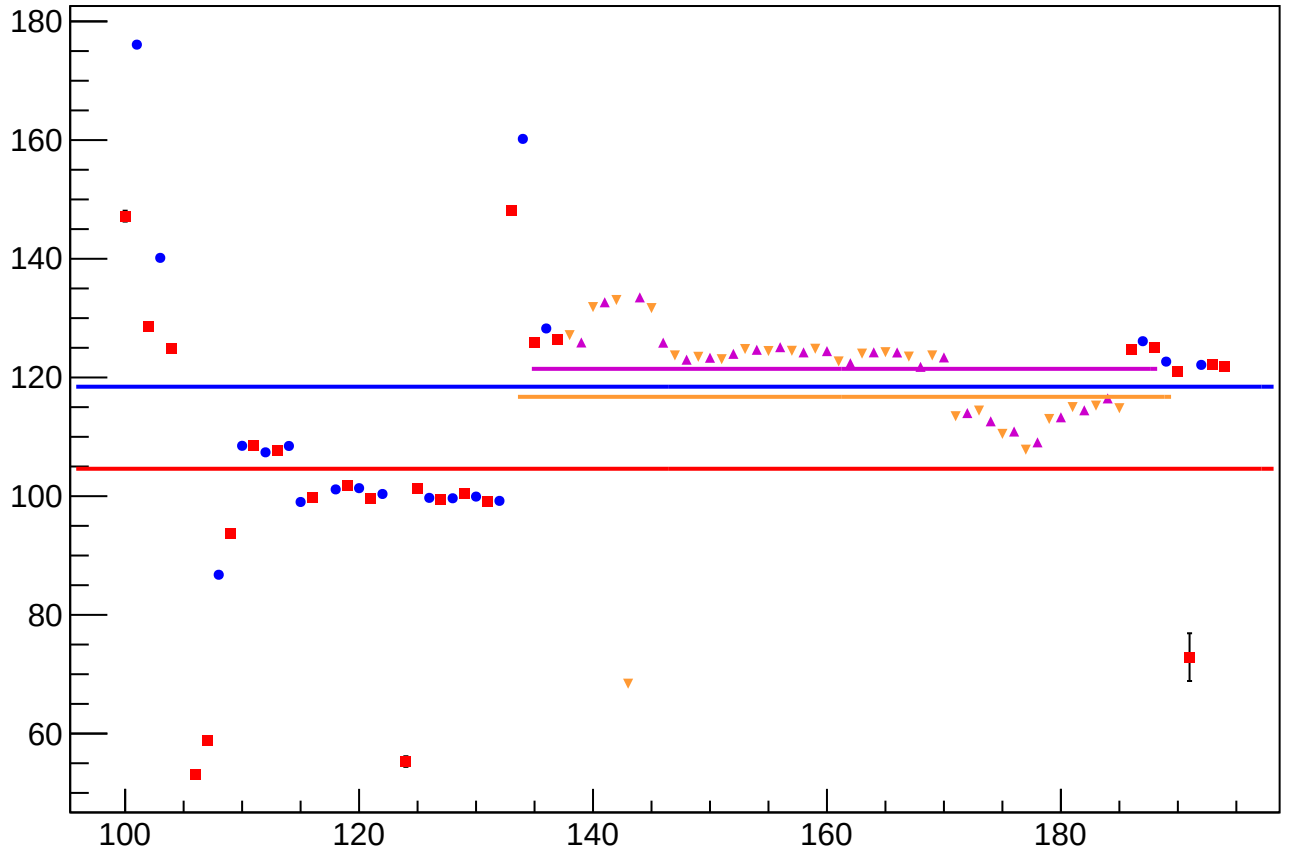
Right Out: -67.359+/-1.140 χ^2/NDF: 863.2/24

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -74.415+/-0.652 χ^2/NDF: 1374.0/43

All: -74.507+/-0.465 χ^2/NDF: 2741.7/91

- sign -74.603+/-0.664 χ^2/NDF: 1367.6/47



Right In: 118.446+/-0.072 χ^2/NDF: 96113.3/18

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

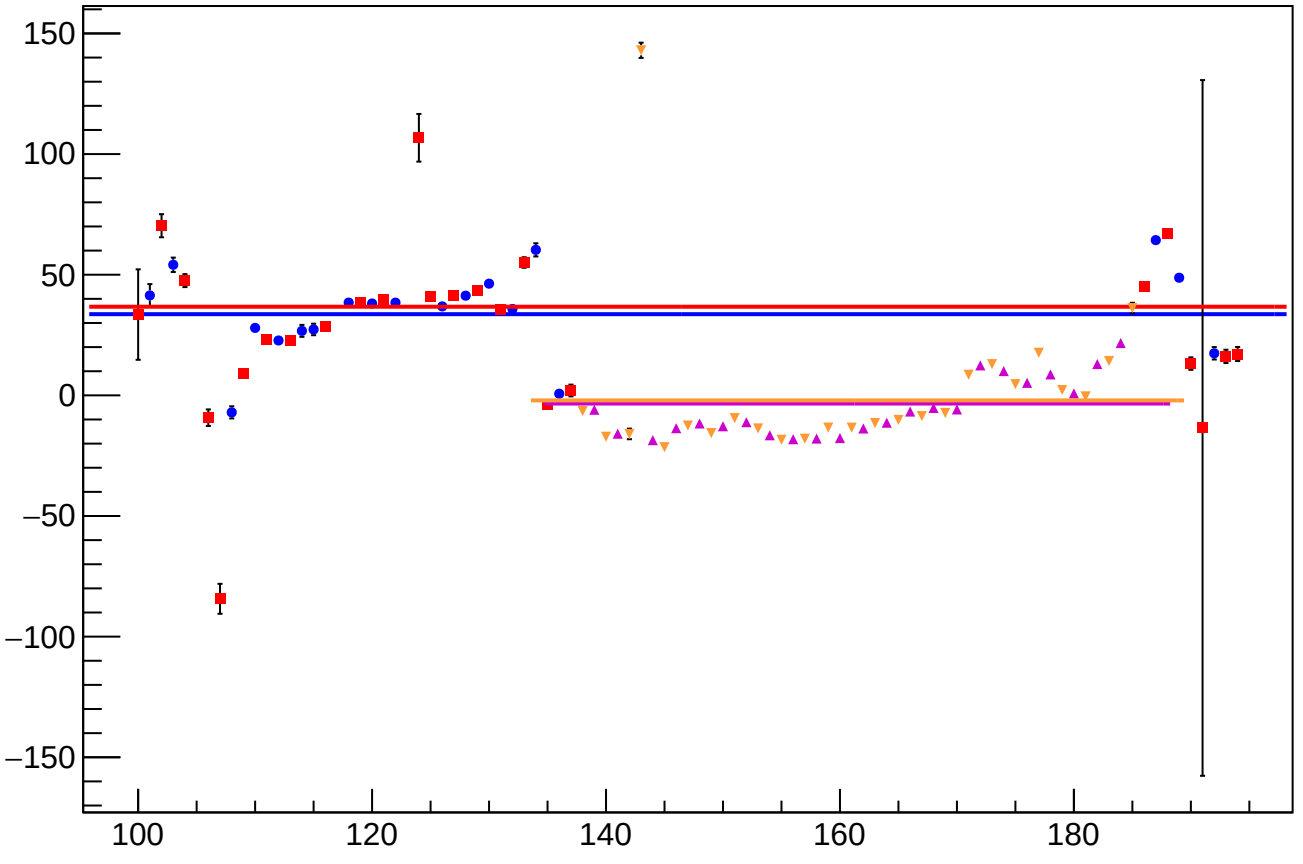
Right Out: 104.620+/-0.062 χ^2/NDF: 190485.7/24

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.078+/-0.032 χ^2/NDF: 300212.5/43

All: 117.053+/-0.023 χ^2/NDF: 573158.2/91

- sign 117.028+/-0.032 χ^2/NDF: 272944.5/47



Right In: 33.647+/-0.382 χ^2/NDF: 2191.8/18

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.735+/-0.324 χ^2/NDF: 4484.3/24

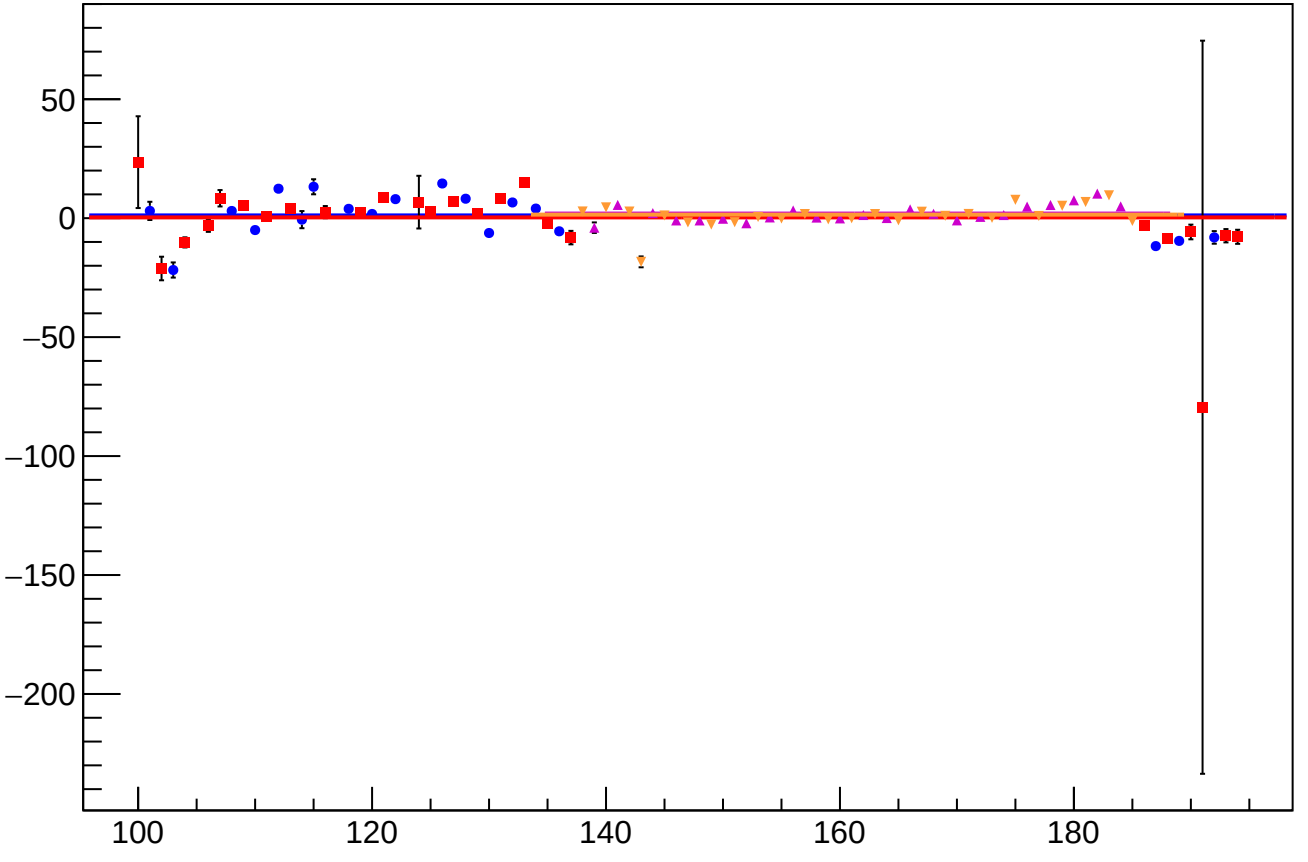
Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 9.634+/-0.219 χ^2/NDF: 12281.0/43

All: 11.476+/-0.151 χ^2/NDF: 27667.5/91

- sign 13.142+/-0.208 χ^2/NDF: 15251.3/47

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 1.159+/-0.411 χ^2/NDF: 366.2/18

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

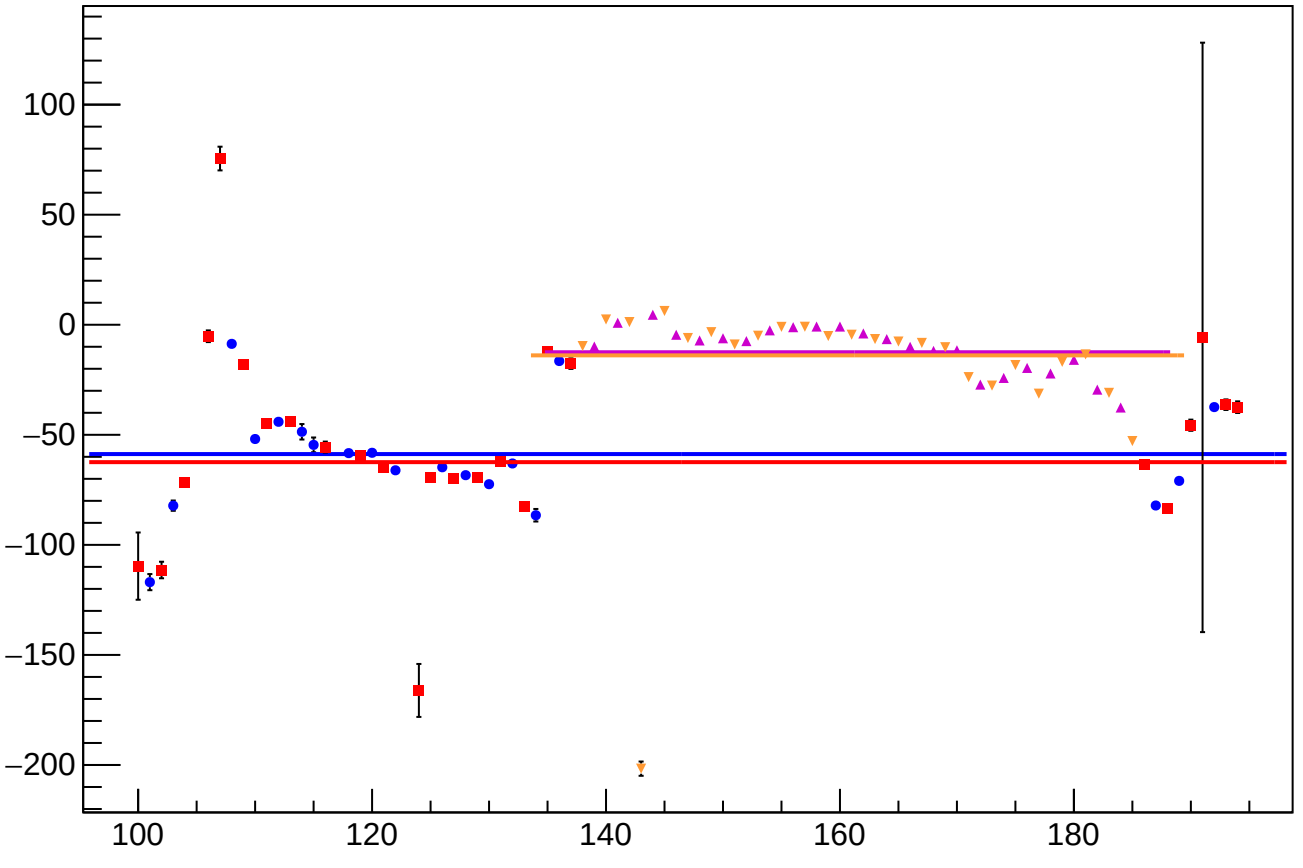
Right Out: 0.322+/-0.375 χ^2/NDF: 334.8/24

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.423+/-0.183 χ^2/NDF: 695.3/43

All: 1.485+/-0.130 χ^2/NDF: 1285.1/91

\- sign 1.547+/-0.183 χ^2/NDF: 589.6/47



Right In: -58.751+/-0.405 χ^2/NDF: 3197.9/18

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

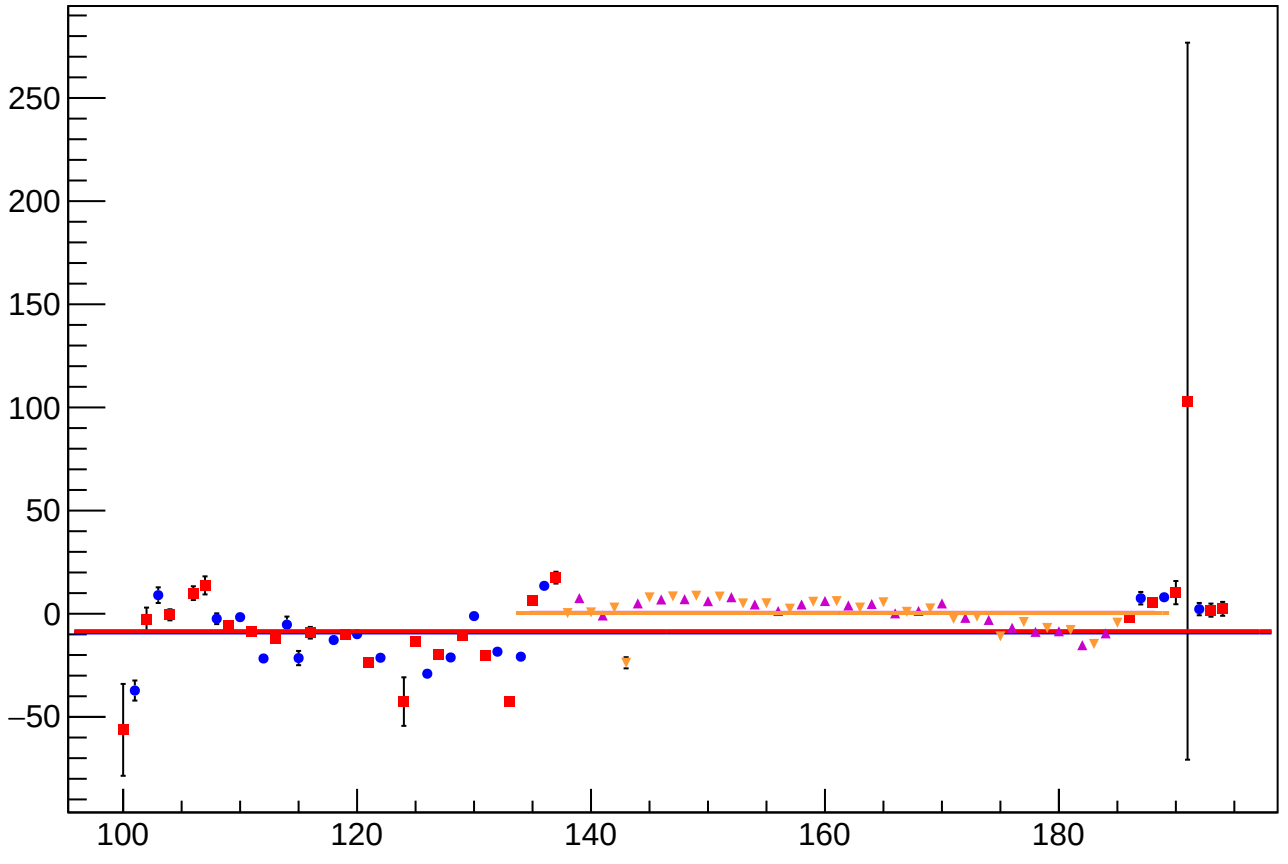
Right Out: -62.418+/-0.321 χ^2/NDF: 5187.4/24

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -27.315+/-0.222 χ^2/NDF: 16906.7/43

All: -30.385+/-0.151 χ^2/NDF: 38089.1/91

- sign -33.040+/-0.206 χ^2/NDF: 20824.7/47



Right In: -9.076+/-0.481 χ^2/NDF: 775.1/18

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

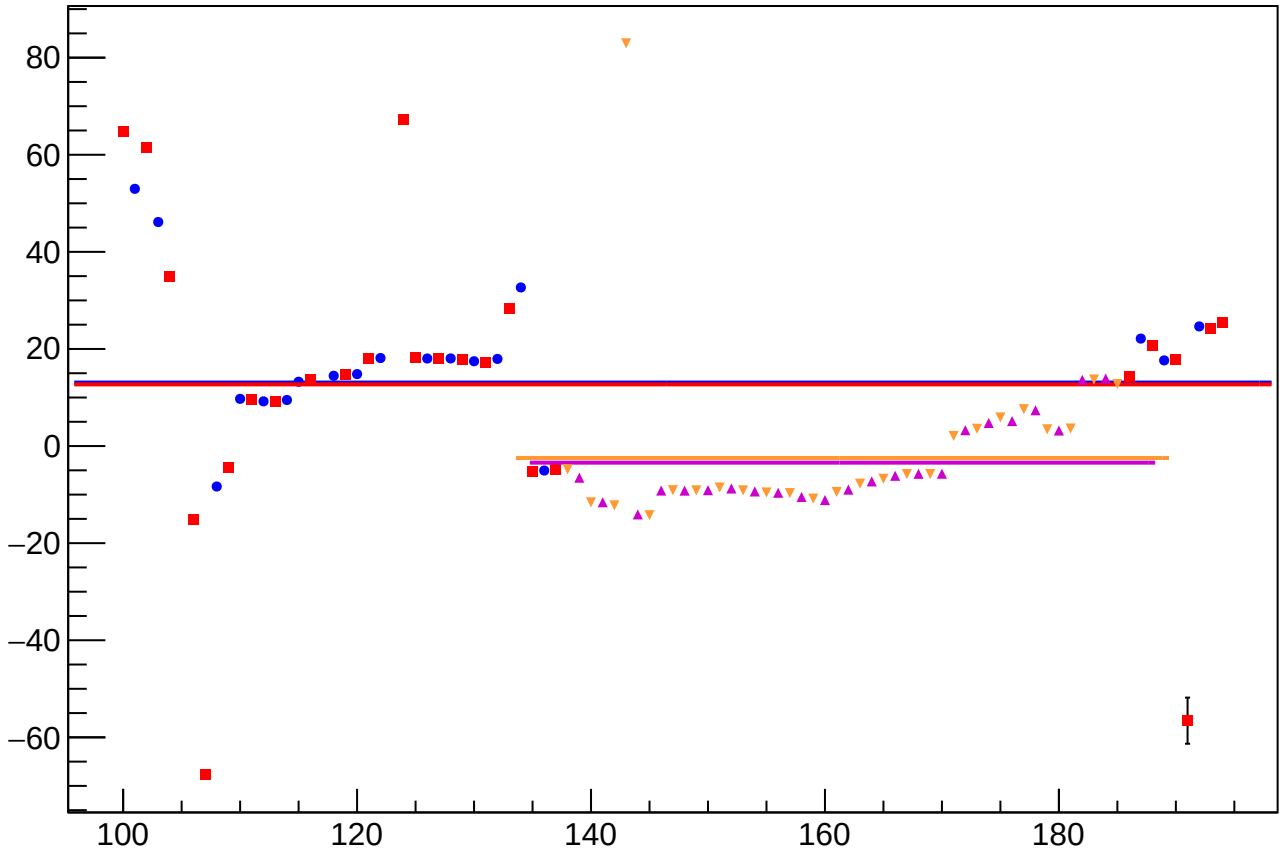
Right Out: -8.434+/-0.454 χ^2/NDF: 832.4/24

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.425+/-0.208 χ^2/NDF: 2008.5/43

All: -1.442+/-0.148 χ^2/NDF: 3922.7/91

- sign -1.459+/-0.210 χ^2/NDF: 1914.1/47



Right In: 13.076+/-0.027 χ^2/NDF: 372615.4/18

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

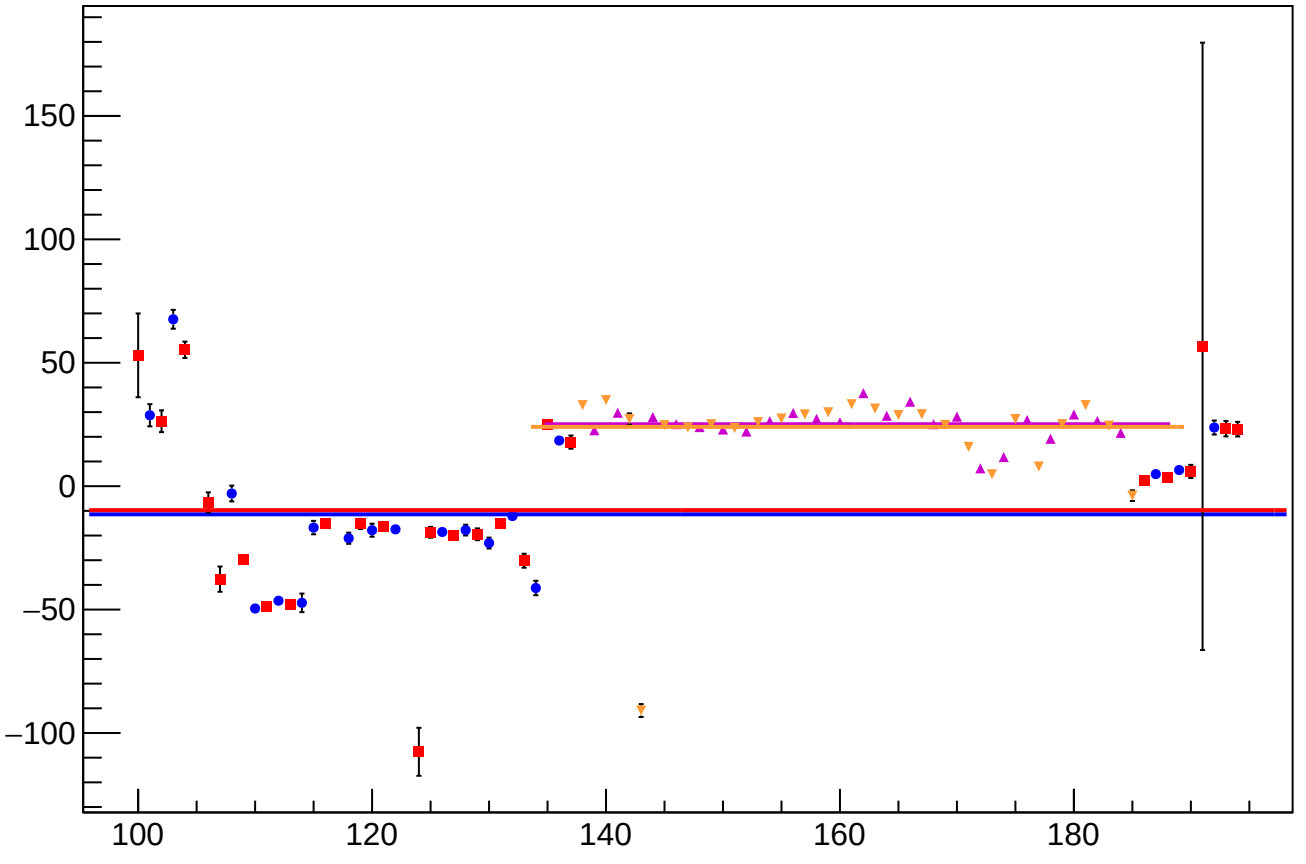
Right Out: 12.703+/-0.026 χ^2/NDF: 494109.5/24

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign -0.488+/-0.010 χ^2/NDF: 1619036.1/43

All: -0.825+/-0.007 χ^2/NDF: 2995940.1/91

- sign -1.163+/-0.010 χ^2/NDF: 1374472.1/47



Right In: -11.405+/-0.493 χ^2/NDF: 2496.7/18

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -9.730+/-0.428 χ^2/NDF: 2882.1/24

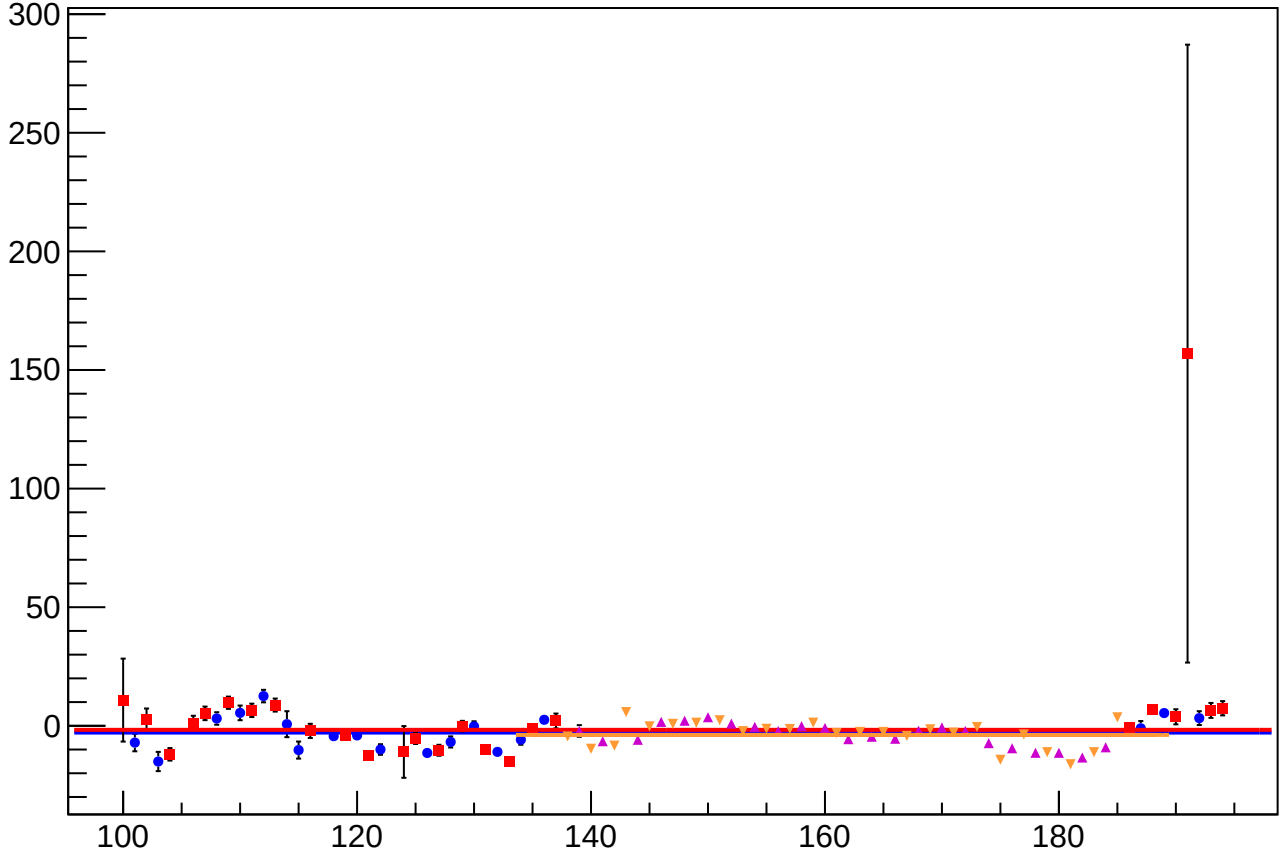
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

\+ sign 15.278+/-0.245 χ^2/NDF: 9195.7/43

All: 14.768+/-0.171 χ^2/NDF: 17142.2/91

\- sign 14.285+/-0.239 χ^2/NDF: 7938.0/47

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

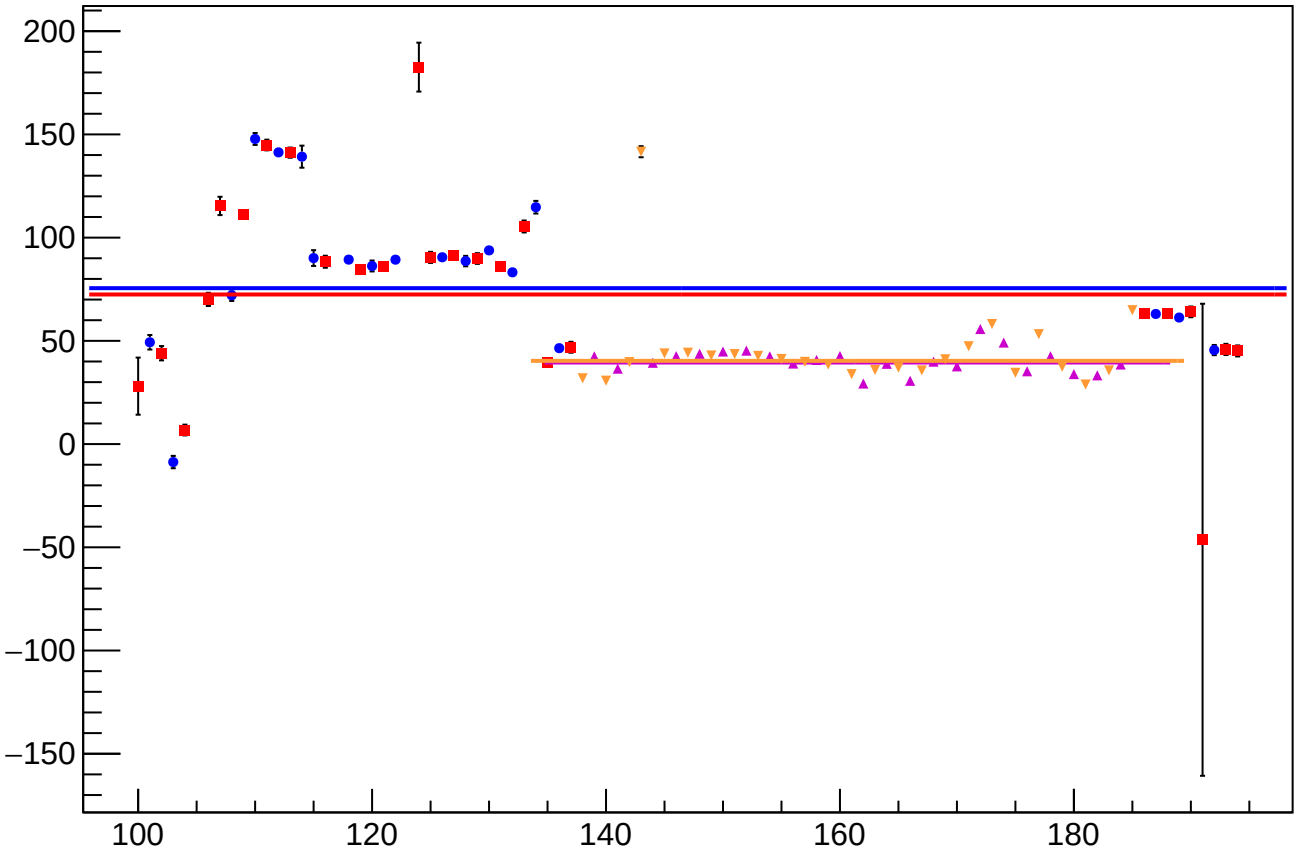
Right Out: -1.696+/-0.481 χ^2/NDF: 229.2/24

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.695+/-0.201 χ^2/NDF: 798.5/43

All: -3.554+/-0.143 χ^2/NDF: 1554.0/91

- sign -3.410+/-0.203 χ^2/NDF: 754.5/47



Right In: 75.520+/-0.522 χ^2/NDF: 3605.9/18

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

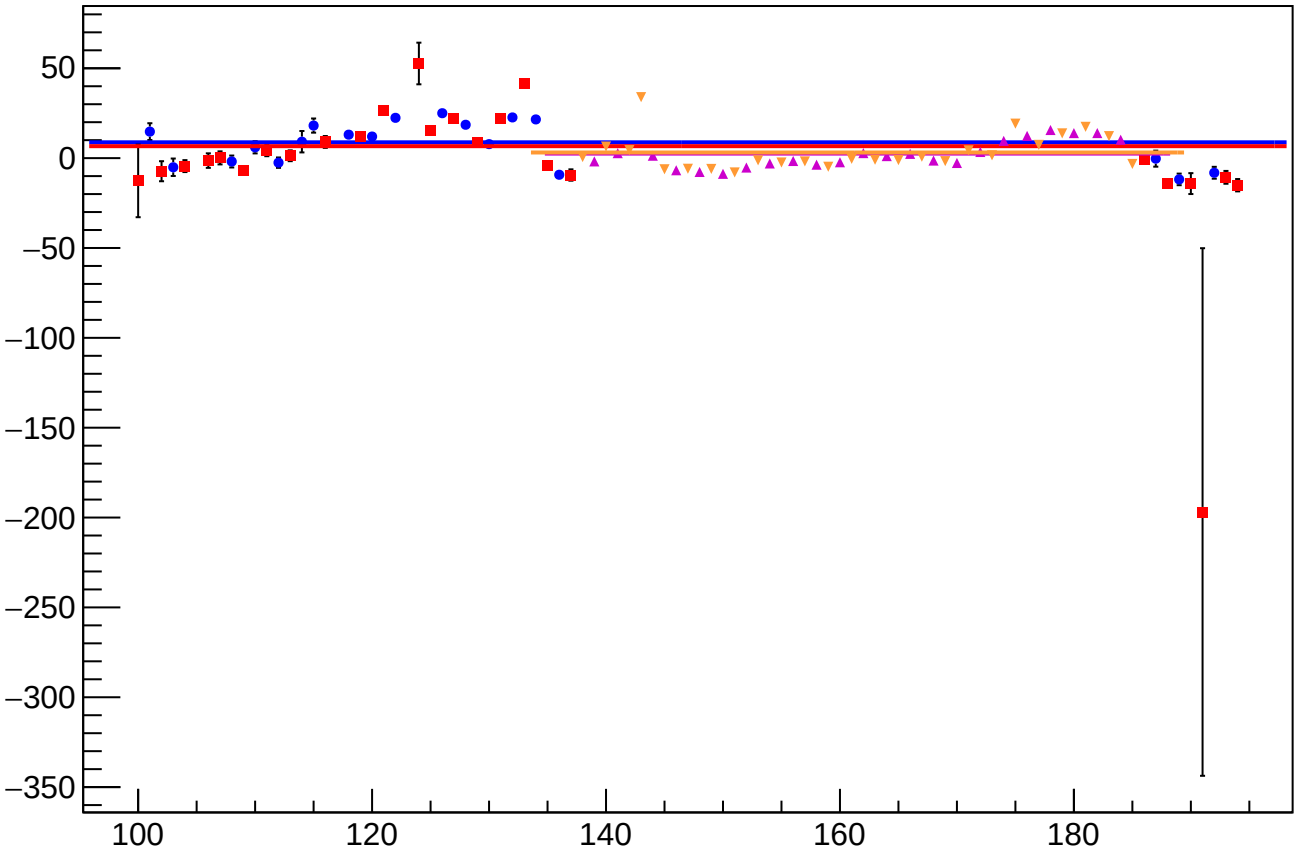
Right Out: 72.463+/-0.430 χ^2/NDF: 3976.2/24

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.183+/-0.247 χ^2/NDF: 9318.0/43

All: 48.901+/-0.171 χ^2/NDF: 17832.7/91

- sign 49.564+/-0.237 χ^2/NDF: 8498.4/47



Right In: 8.800+/-0.599 χ^2/NDF: 437.4/18

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

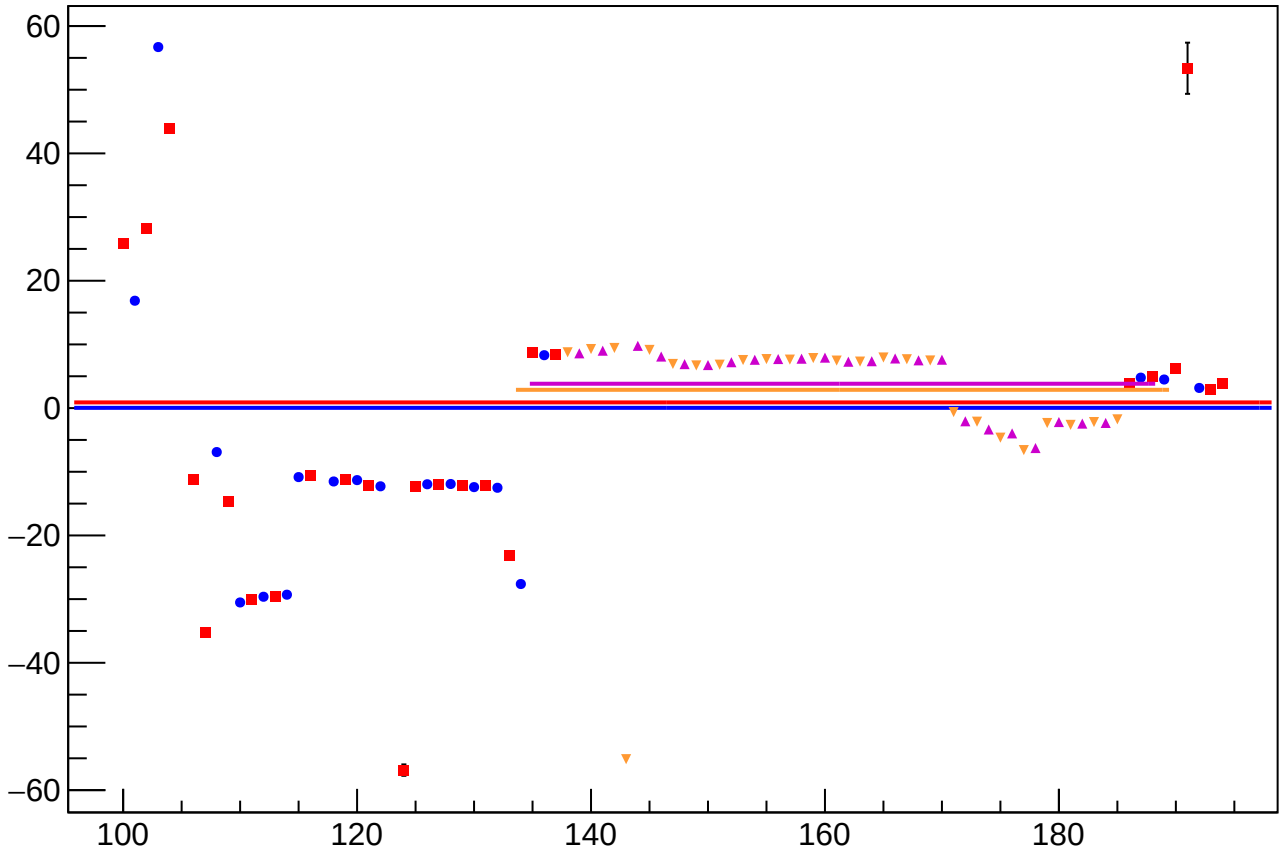
Right Out: 6.649+/-0.574 χ^2/NDF: 683.1/24

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.955+/-0.227 χ^2/NDF: 1780.8/43

All: 3.573+/-0.162 χ^2/NDF: 3481.2/91

- sign 3.181+/-0.230 χ^2/NDF: 1694.7/47



Right In: 0.041+/-0.033 χ^2/NDF: 370835.9/18

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 0.893+/-0.031 χ^2/NDF: 322085.7/24

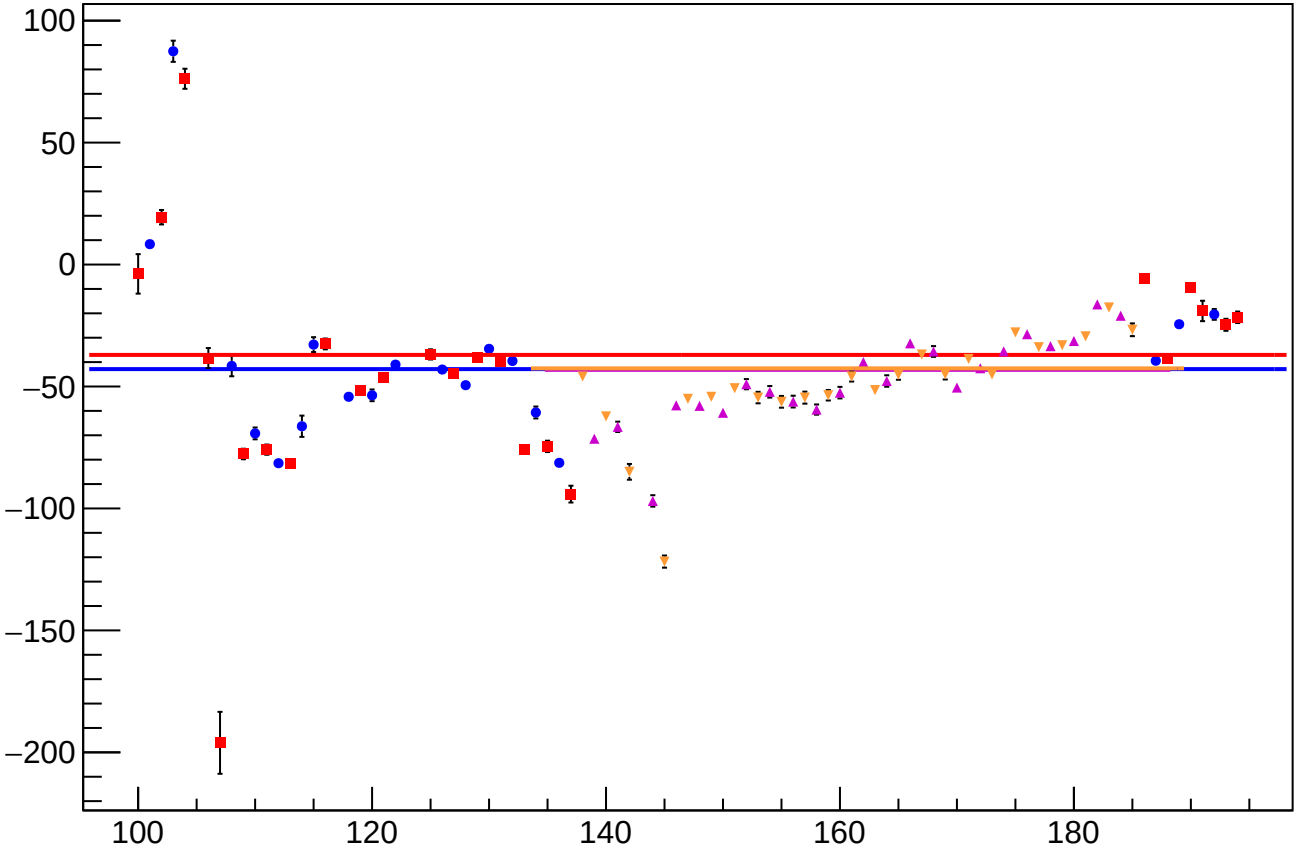
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.582+/-0.010 χ^2/NDF: 889923.6/43

All: 3.034+/-0.007 χ^2/NDF: 1457020.9/91

- sign 3.489+/-0.010 χ^2/NDF: 563315.7/47

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: -37.046+/-0.382 χ^2/NDF: 5047.1/23

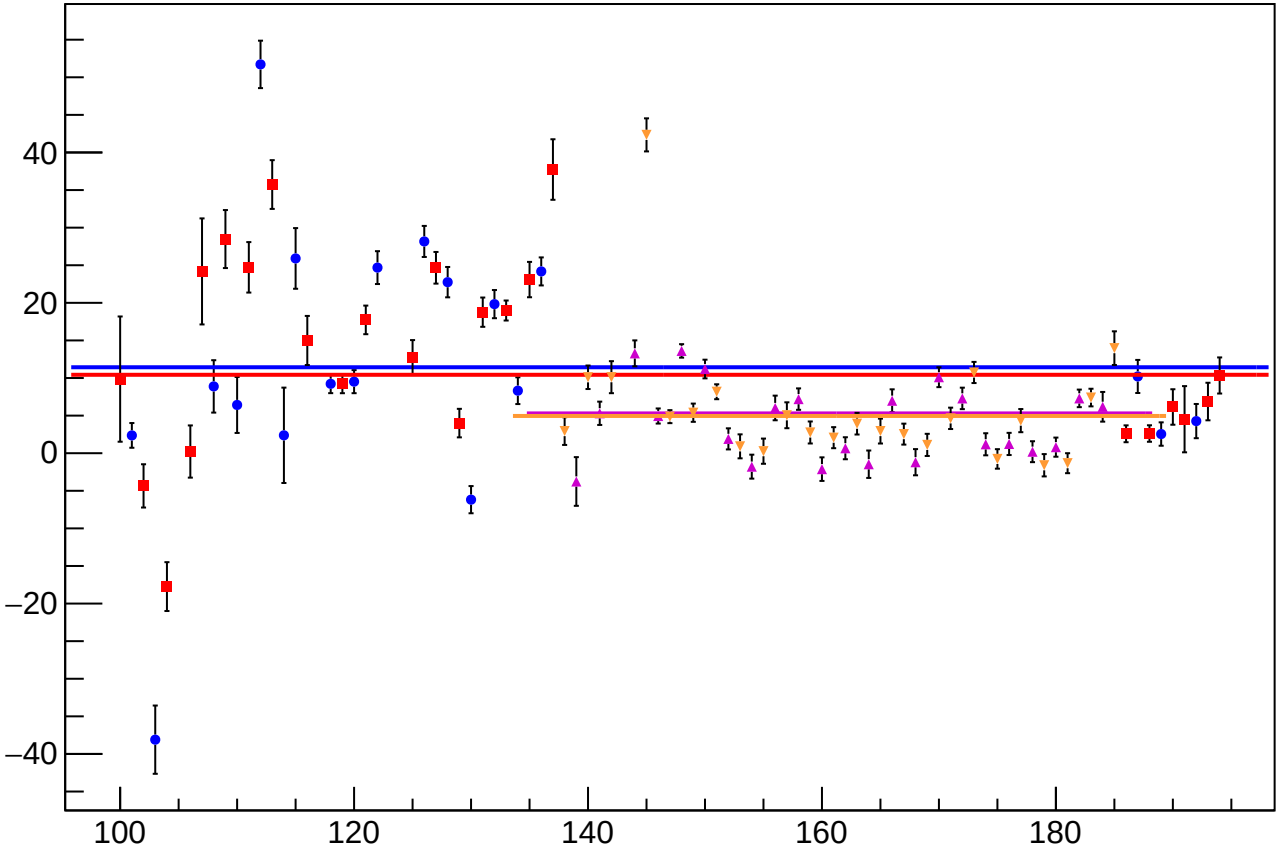
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

+ sign -42.685+/-0.292 χ^2/NDF: 5448.6/42

All: -41.294+/-0.198 χ^2/NDF: 12872.3/89

- sign -40.103+/-0.270 χ^2/NDF: 7381.5/46

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: 10.429+/-0.424 χ^2/NDF: 532.2/23

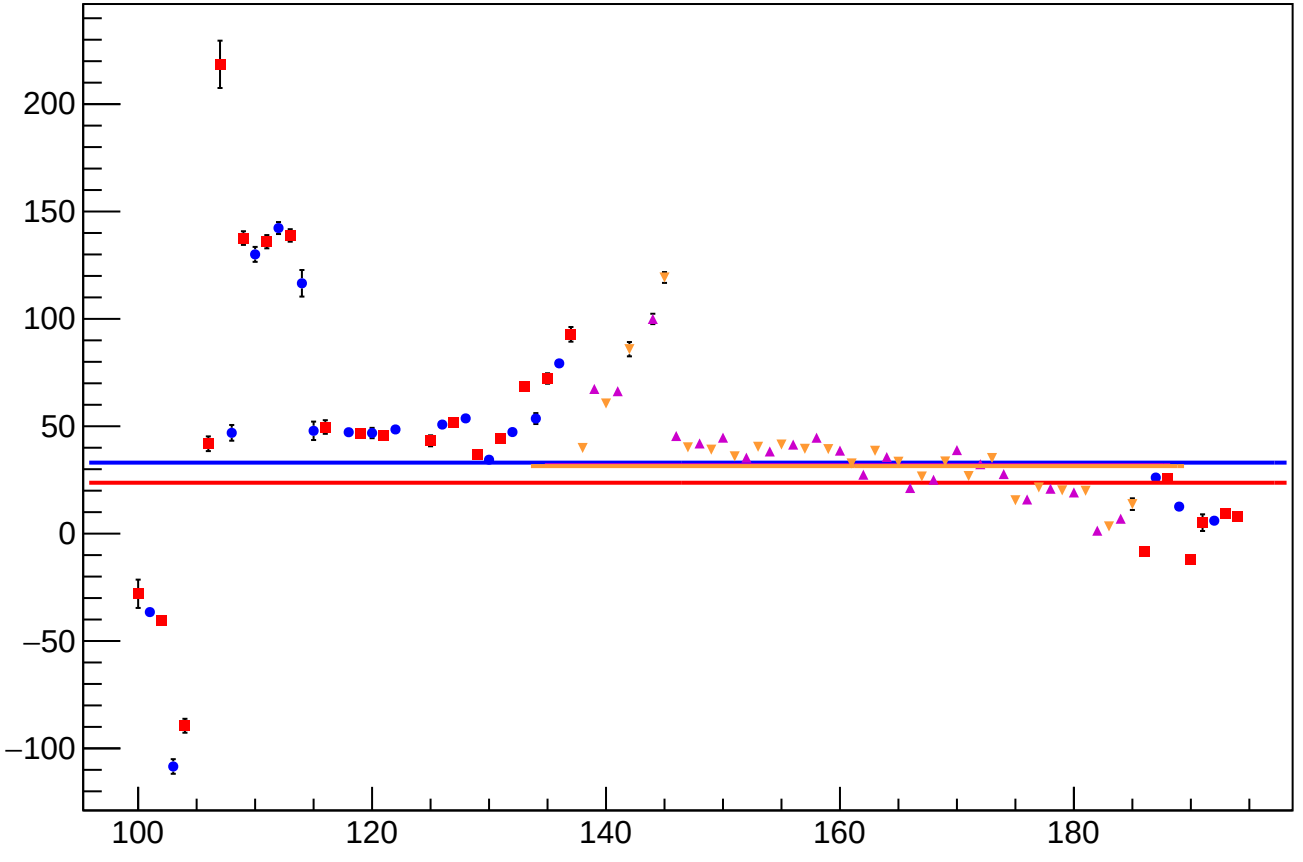
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.728+/-0.246 χ^2/NDF: 1263.0/42

All: 6.847+/-0.172 χ^2/NDF: 2181.2/89

- sign 6.963+/-0.242 χ^2/NDF: 917.7/46

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 33.061+/-0.460 χ^2/NDF: 7959.9/18

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 23.699+/-0.358 χ^2/NDF: 11021.3/23

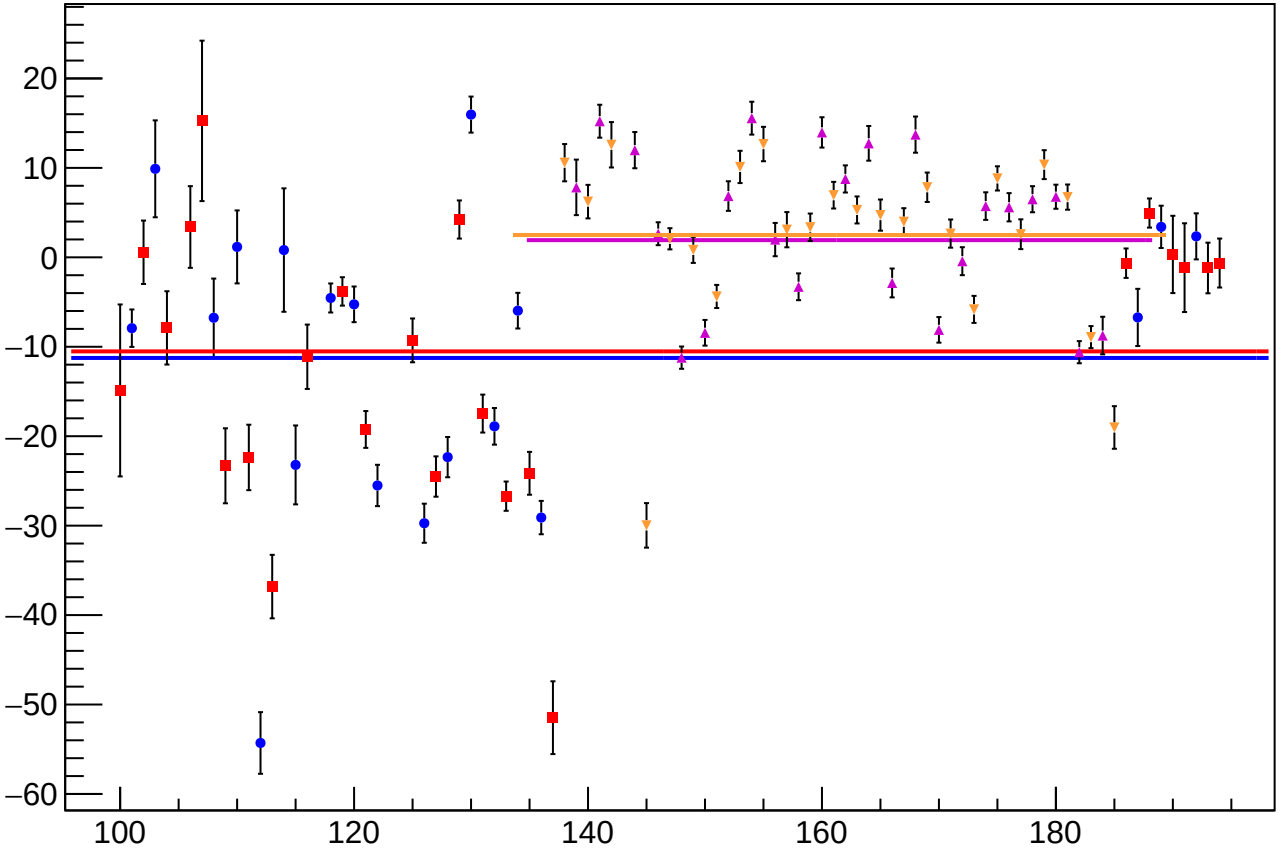
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

+ sign 32.087+/-0.291 χ^2/NDF: 10729.4/42

All: 29.578+/-0.194 χ^2/NDF: 24899.4/89

- sign 27.574+/-0.260 χ^2/NDF: 14036.2/46

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: -10.516+/-0.524 χ^2/NDF: 627.1/23

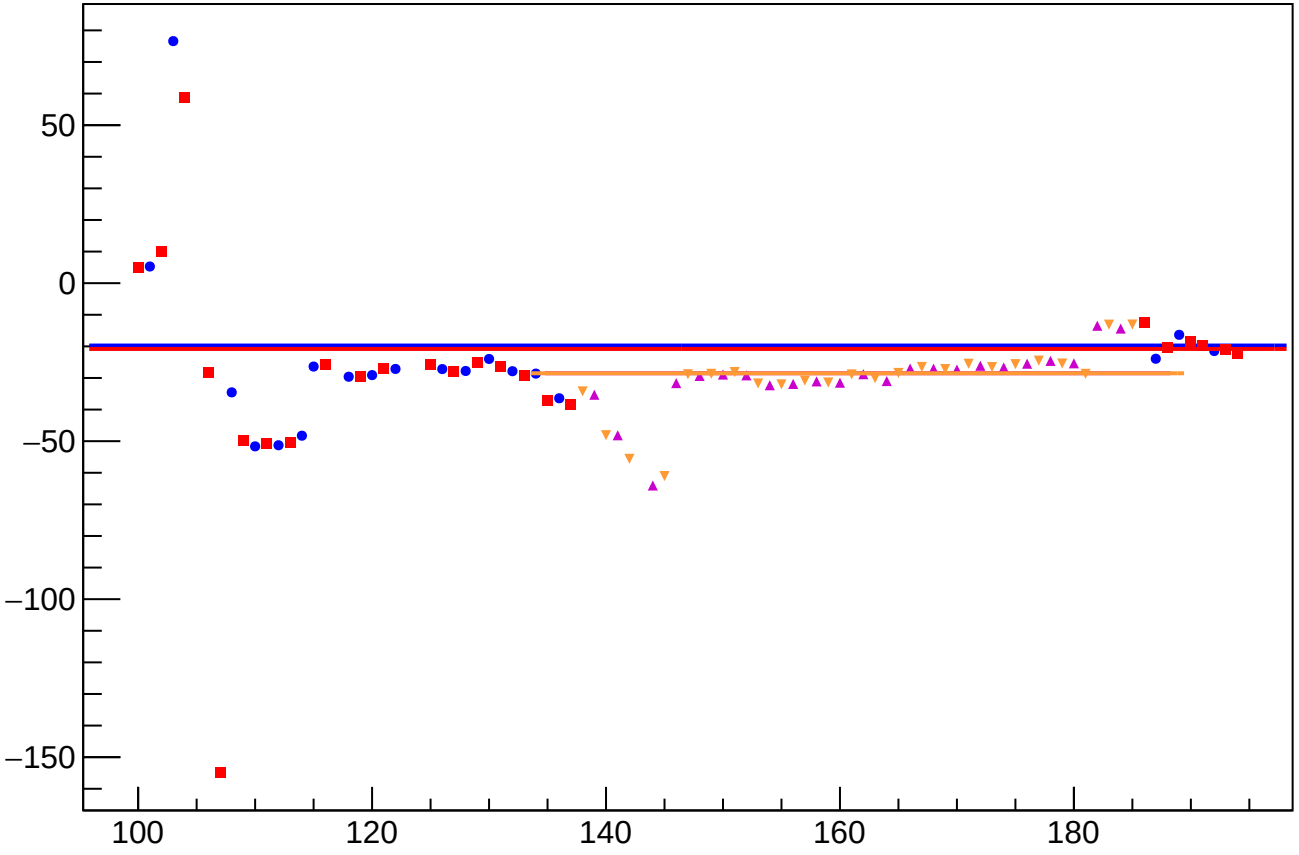
Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

+ sign -1.012+/-0.282 χ^2/NDF: 1727.7/42

All: -1.329+/-0.199 χ^2/NDF: 3438.3/89

- sign -1.642+/-0.280 χ^2/NDF: 1708.0/46

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



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: -20.812+/-0.028 χ^2/NDF: 553067.4/23

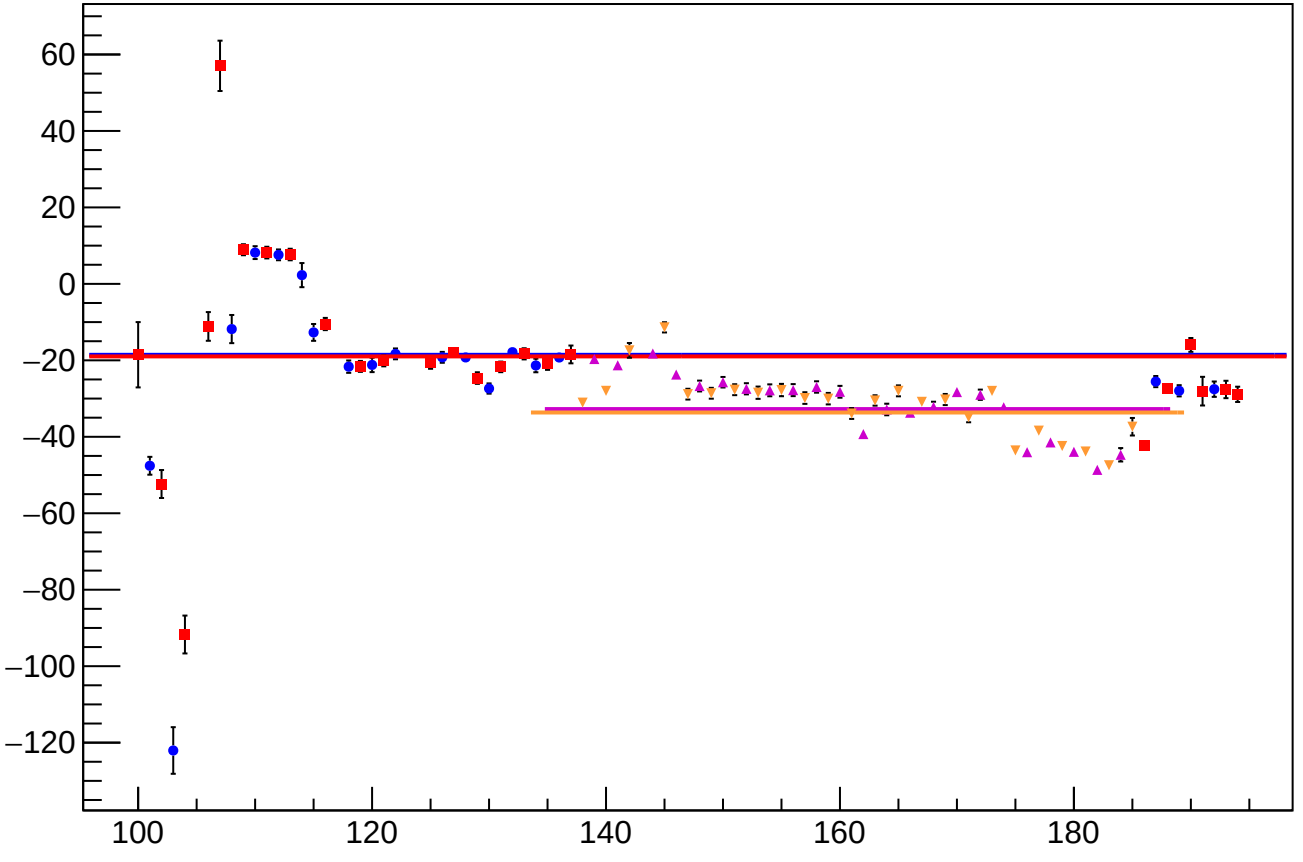
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -26.885+/-0.013 χ^2/NDF: 1048338.3/42

All: -26.848+/-0.009 χ^2/NDF: 1948113.7/89

- sign -26.813+/-0.013 χ^2/NDF: 899760.5/46

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: -18.972+/-0.336 χ^2/NDF: 1980.4/23

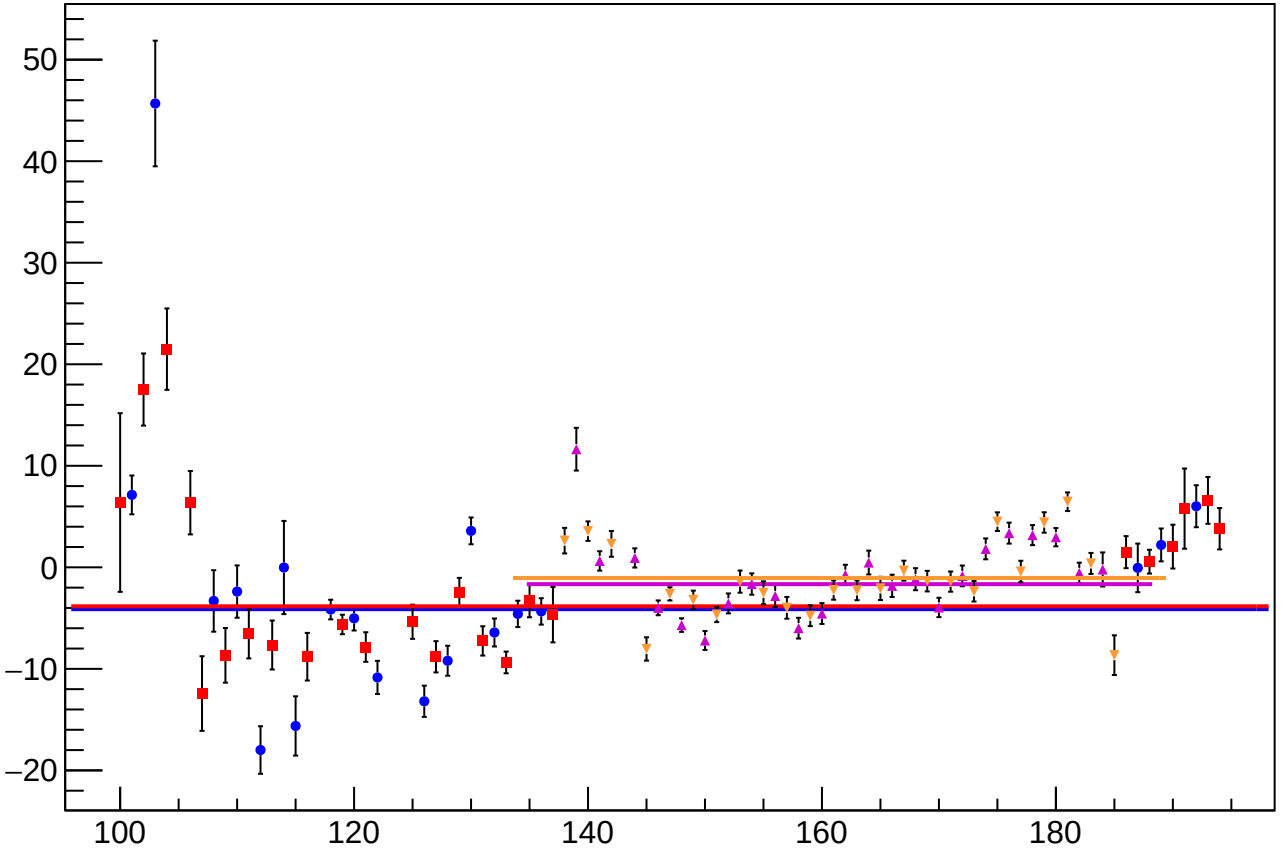
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

\+ sign -28.522+/-0.215 χ^2/NDF: 3342.8/42

All: -27.934+/-0.150 χ^2/NDF: 7507.9/89

\- sign -27.376+/-0.210 χ^2/NDF: 4150.5/46

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: -3.840+/-0.365 χ^2/NDF: 234.1/23

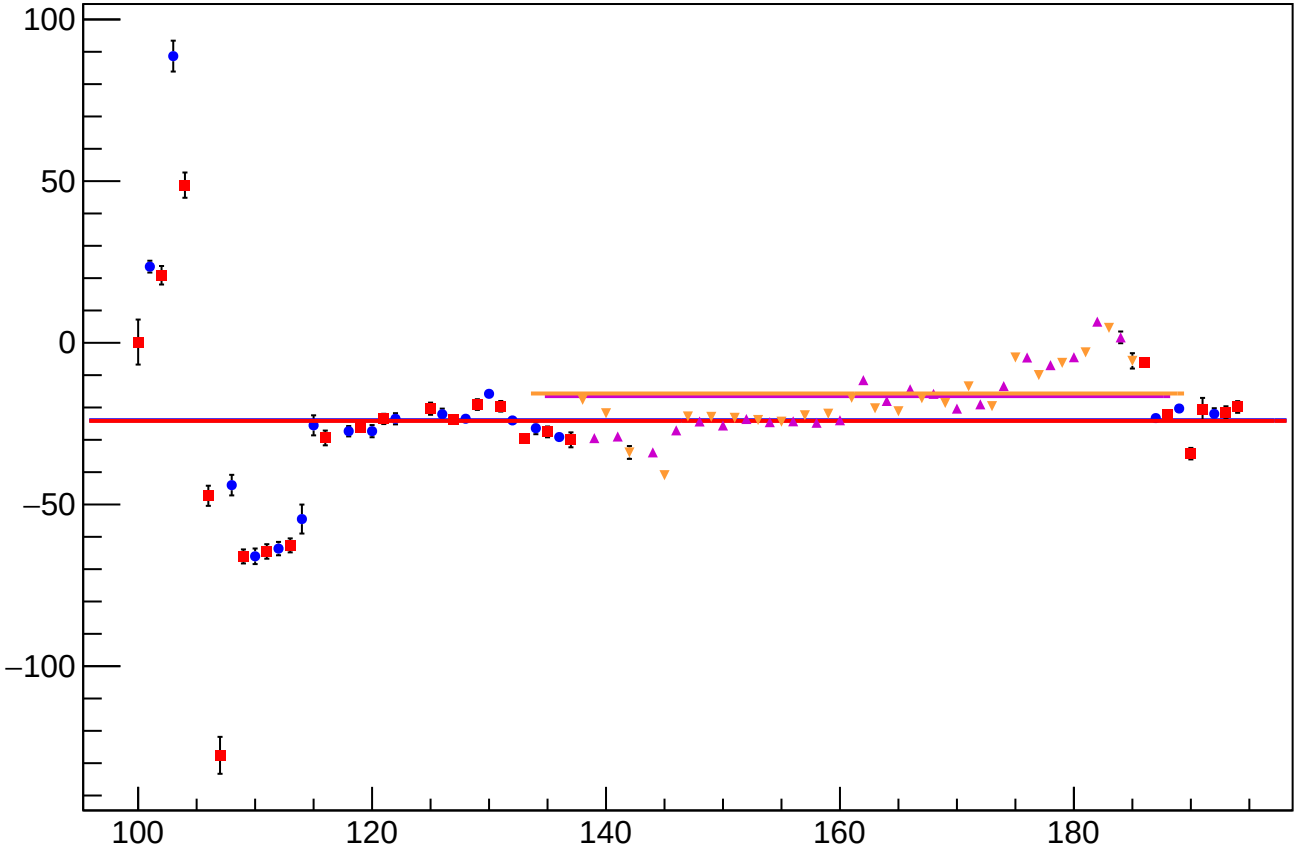
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.737+/-0.179 χ^2/NDF: 635.4/42

All: -1.962+/-0.127 χ^2/NDF: 1164.2/89

- sign -2.189+/-0.180 χ^2/NDF: 525.6/46

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: -24.151+/-0.341 χ^2/NDF: 2432.0/23

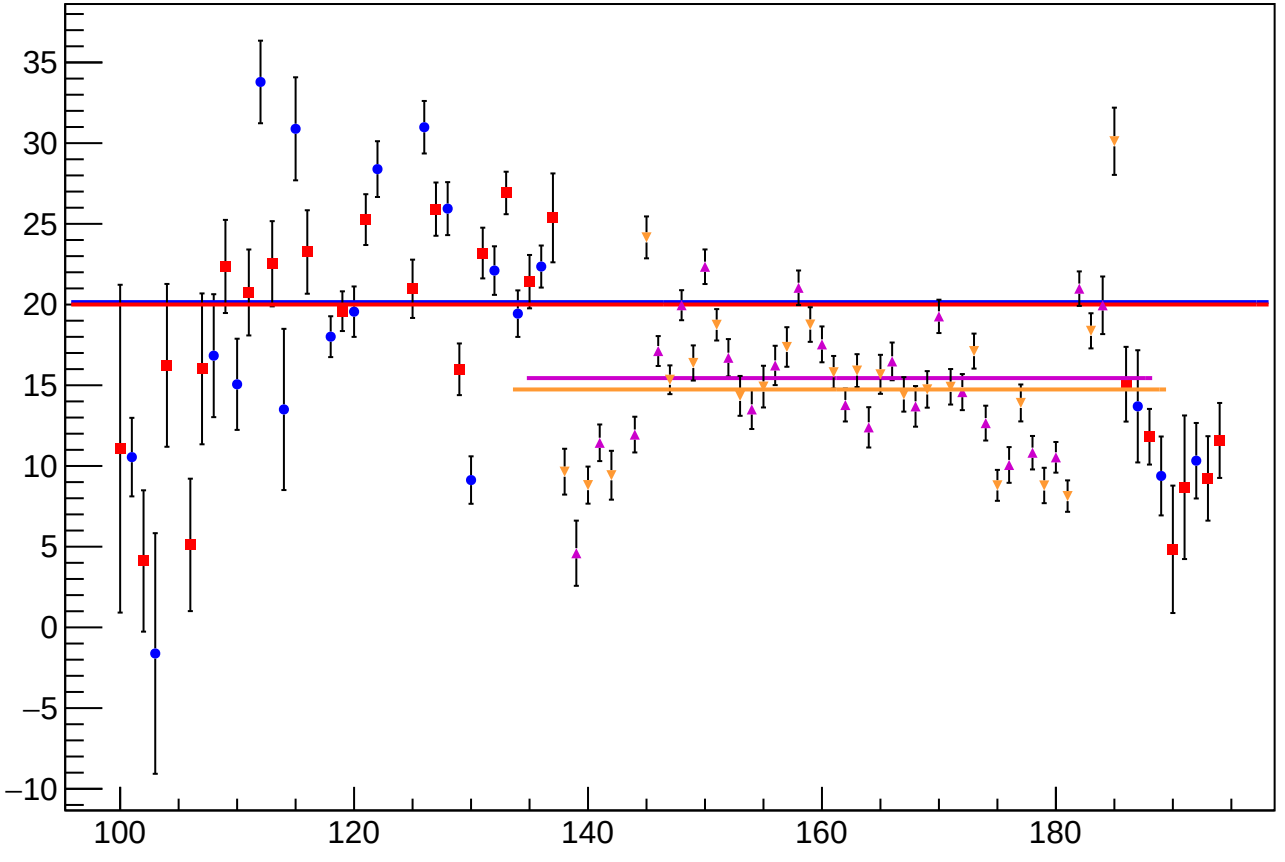
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

\+ sign -18.233+/-0.219 χ^2/NDF: 3890.6/42

All: -18.829+/-0.151 χ^2/NDF: 8348.9/89

\- sign -19.377+/-0.210 χ^2/NDF: 4444.0/46

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: 20.004+/-0.433 χ^2/NDF: 177.1/23

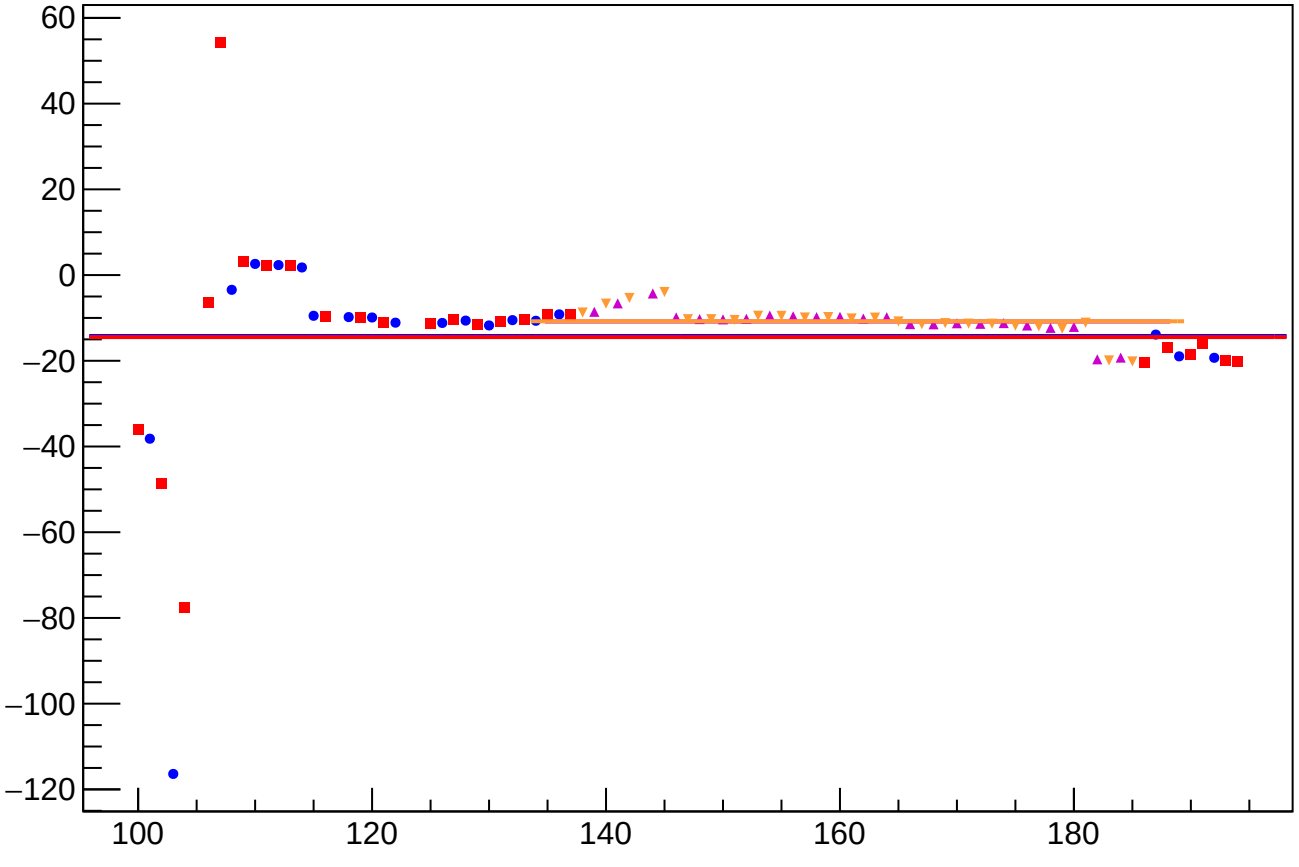
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.902+/-0.203 χ^2/NDF: 704.2/42

All: 16.183+/-0.144 χ^2/NDF: 1261.5/89

- sign 16.469+/-0.205 χ^2/NDF: 553.5/46

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: -14.470+/-0.024 χ^2/NDF: 337653.2/23

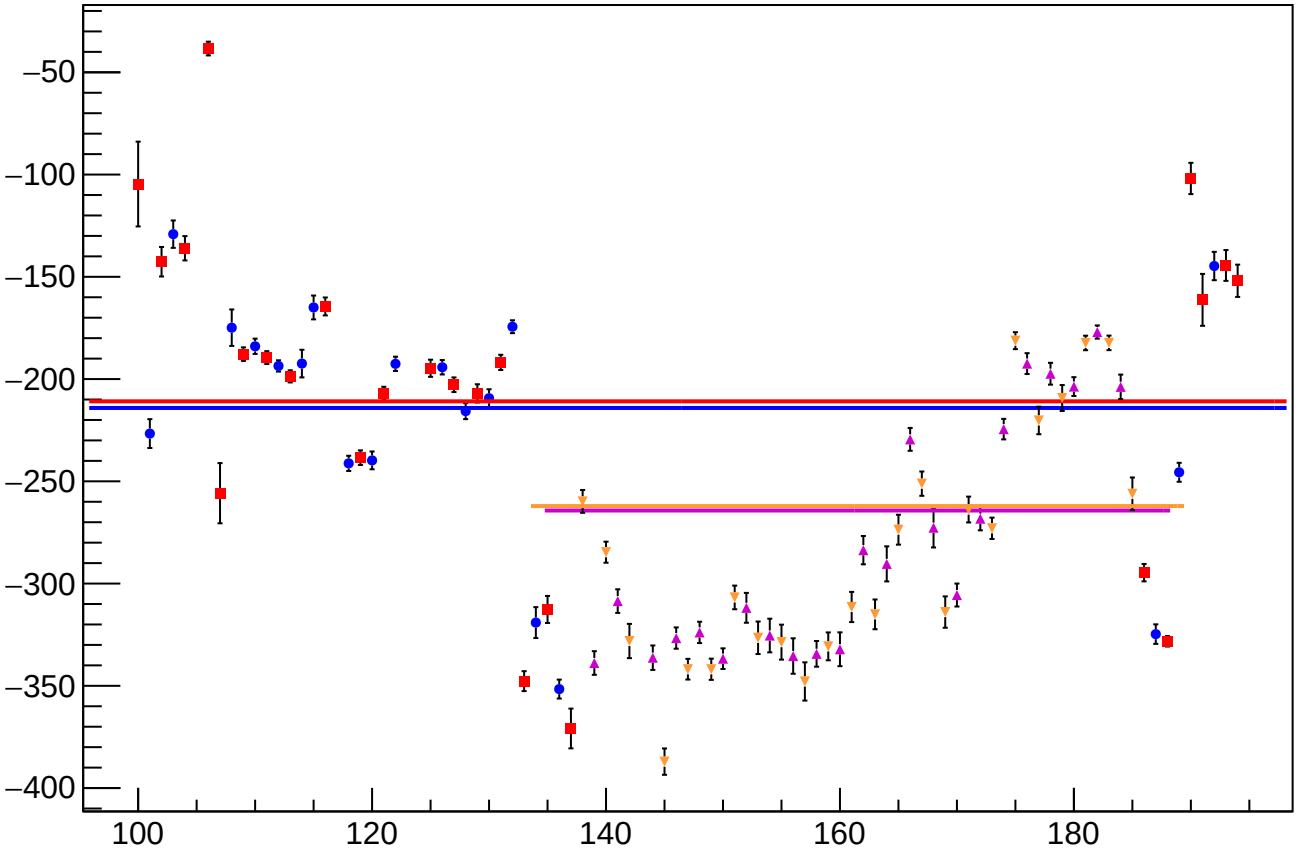
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -11.263+/-0.010 χ^2/NDF: 454051.0/42

All: -11.332+/-0.007 χ^2/NDF: 885292.0/89

- sign -11.401+/-0.009 χ^2/NDF: 431135.4/46

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: -210.886+/-0.888 χ^2/NDF: 7390.8/23

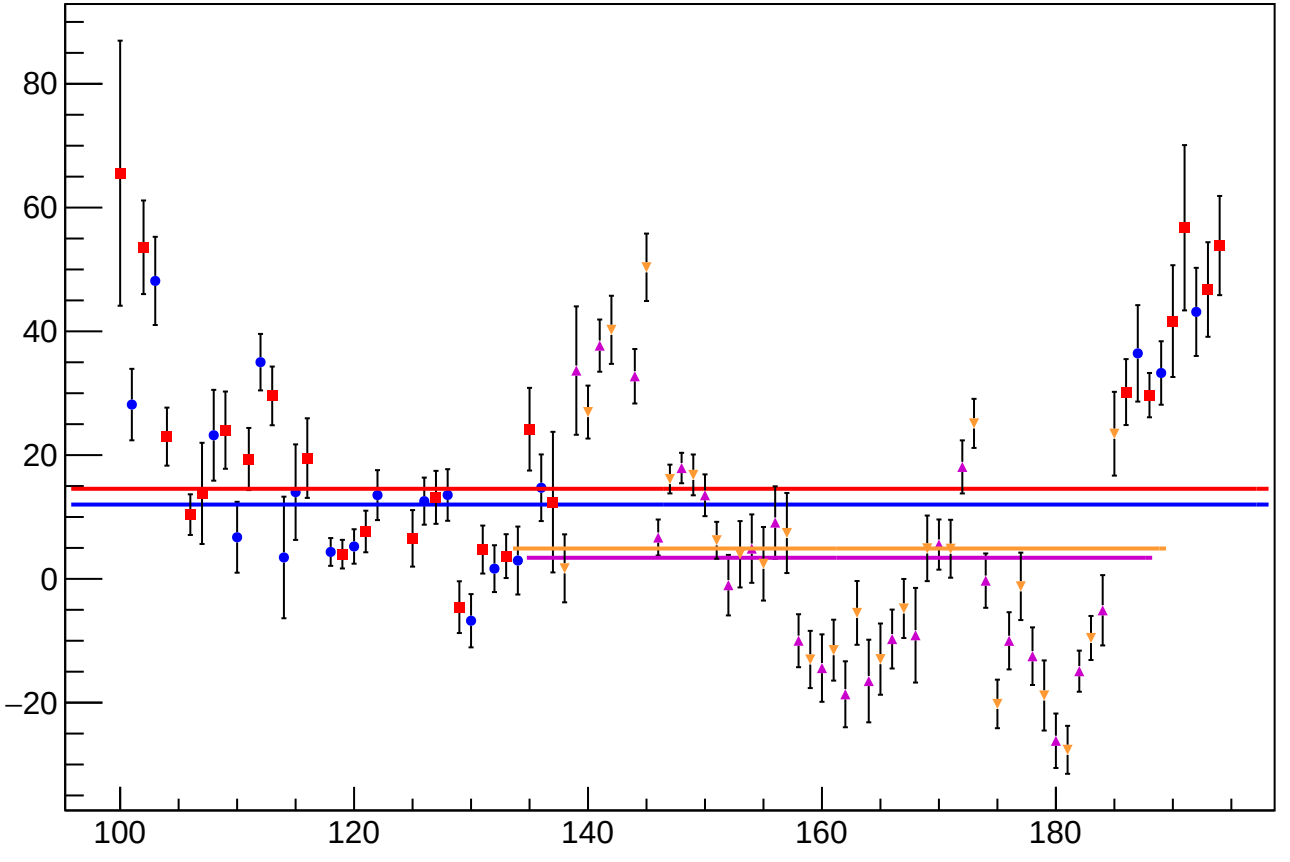
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -234.309+/-0.765 χ^2/NDF: 6384.8/42

All: -232.038+/-0.521 χ^2/NDF: 17832.6/89

- sign -230.077+/-0.711 χ^2/NDF: 11431.4/46

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: 14.558+/-0.961 χ^2/NDF: 205.4/23

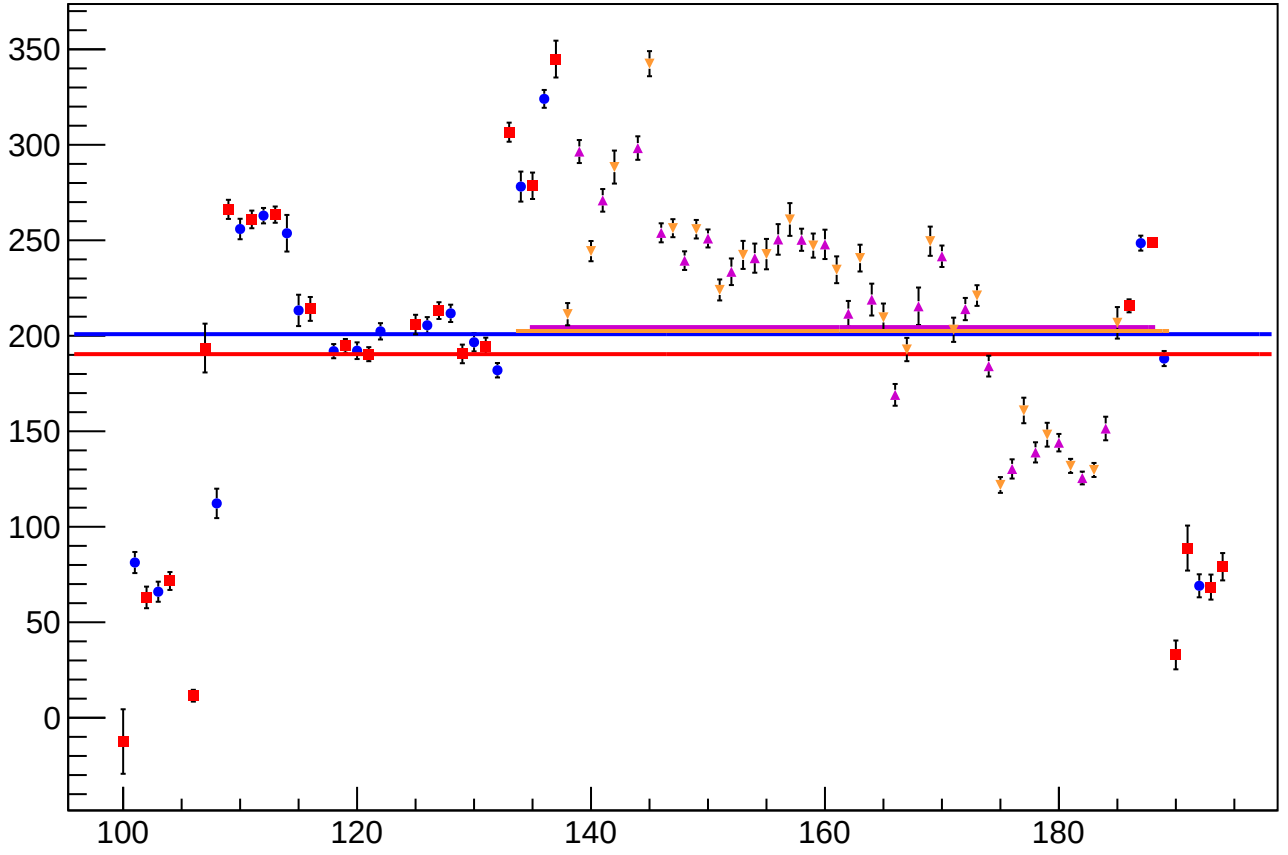
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 7.952+/-0.670 χ^2/NDF: 582.9/42

All: 8.293+/-0.469 χ^2/NDF: 1193.7/89

- sign 8.621+/-0.657 χ^2/NDF: 610.3/46

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: 190.392+/-0.931 χ^2/NDF: 8372.3/23

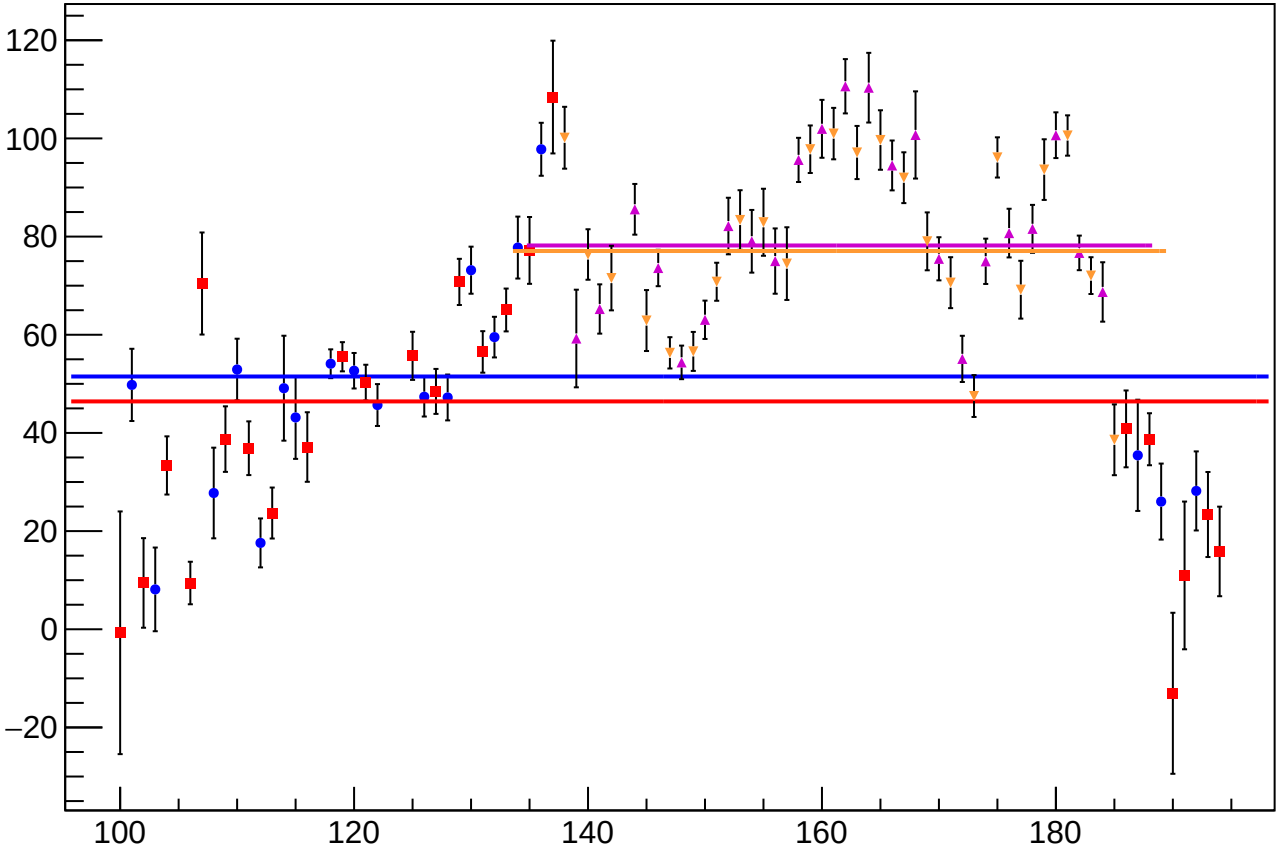
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 201.630+/-0.803 χ^2/NDF: 5497.5/42

All: 198.461+/-0.540 χ^2/NDF: 16273.0/89

- sign 195.843+/-0.730 χ^2/NDF: 10747.1/46

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: 46.420+/-1.144 χ^2/NDF: 282.6/23

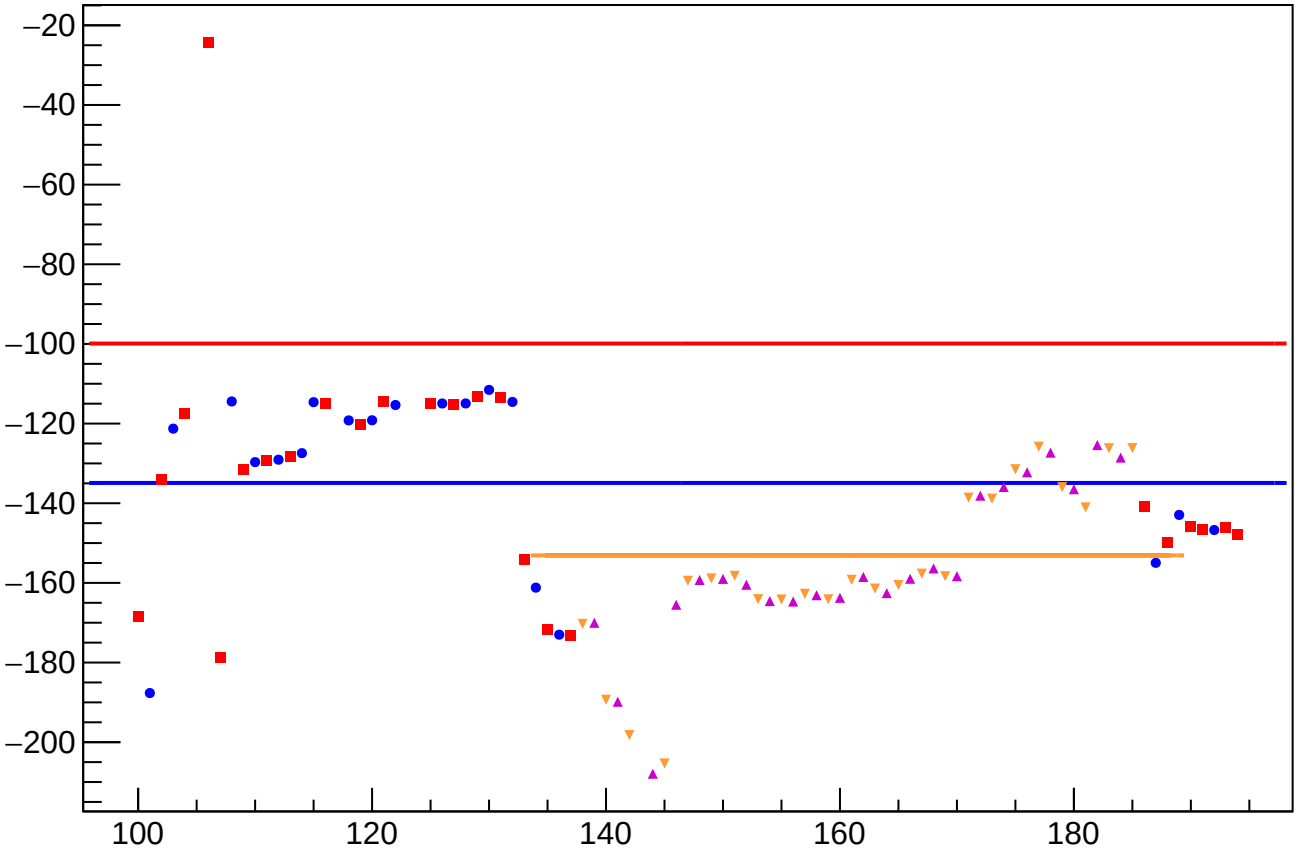
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 66.449+/-0.776 χ^2/NDF: 795.3/42

All: 65.224+/-0.544 χ^2/NDF: 1742.7/89

- sign 64.039+/-0.764 χ^2/NDF: 942.5/46

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: -99.901+/-0.058 χ^2/NDF: 882453.4/23

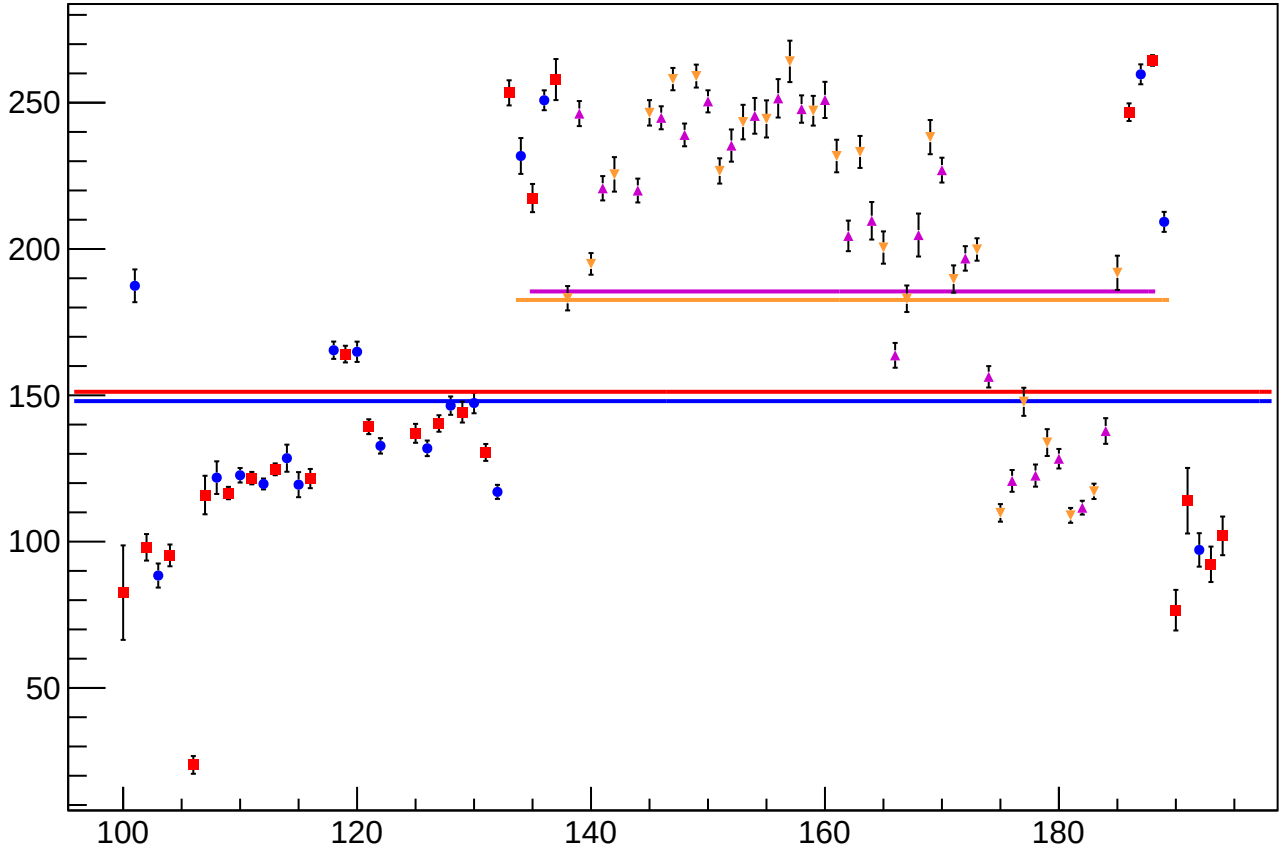
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.959+/-0.040 χ^2/NDF: 317864.8/42

All: -139.345+/-0.027 χ^2/NDF: 1965513.5/89

- sign -132.157+/-0.036 χ^2/NDF: 1561506.9/46

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: 151.206+/-0.652 χ^2/NDF: 9211.0/23

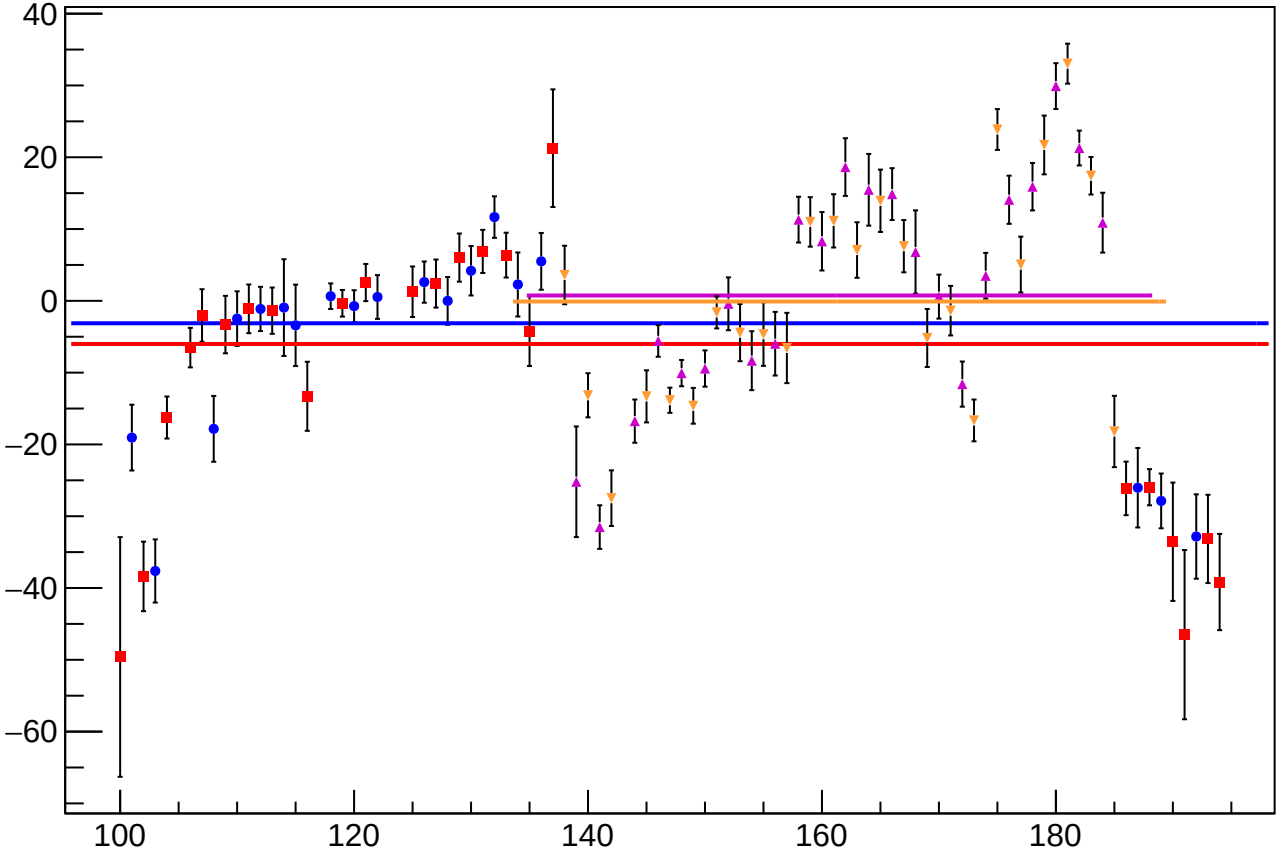
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 162.603+/-0.562 χ^2/NDF: 8624.4/42

All: 163.087+/-0.383 χ^2/NDF: 22649.8/89

- sign 163.504+/-0.522 χ^2/NDF: 14024.0/46

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: -6.010+/-0.720 χ^2/NDF: 319.9/23

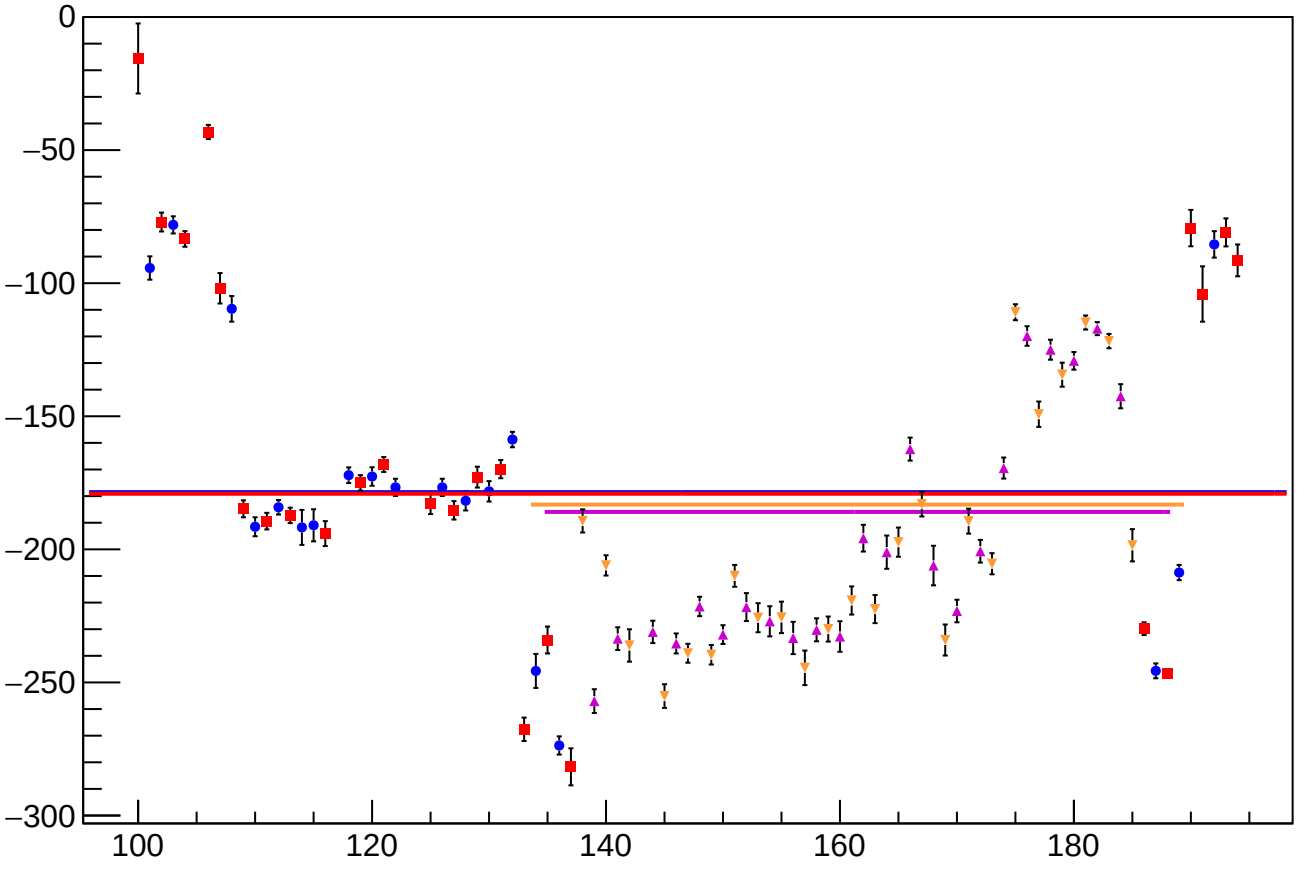
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -1.353+/-0.500 χ^2/NDF: 782.1/42

All: -1.871+/-0.350 χ^2/NDF: 1649.4/89

- sign -2.365+/-0.489 χ^2/NDF: 865.2/46

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: -179.103+/-0.685 χ^2/NDF: 9049.7/23

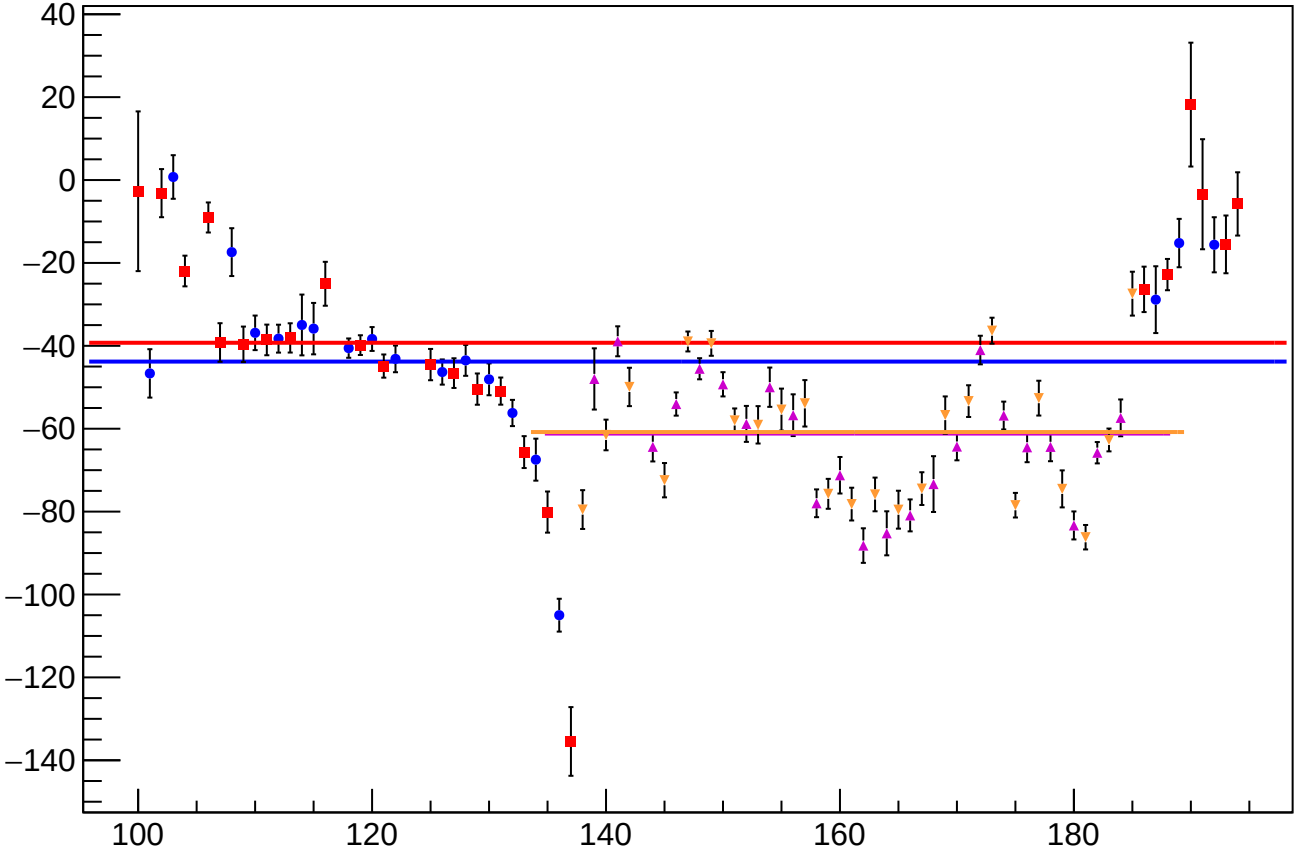
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -180.706+/-0.592 χ^2/NDF: 6916.6/42

All: -181.266+/-0.398 χ^2/NDF: 19187.7/89

- sign -181.727+/-0.537 χ^2/NDF: 12269.5/46

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: -39.263+/-0.857 χ^2/NDF: 499.7/23

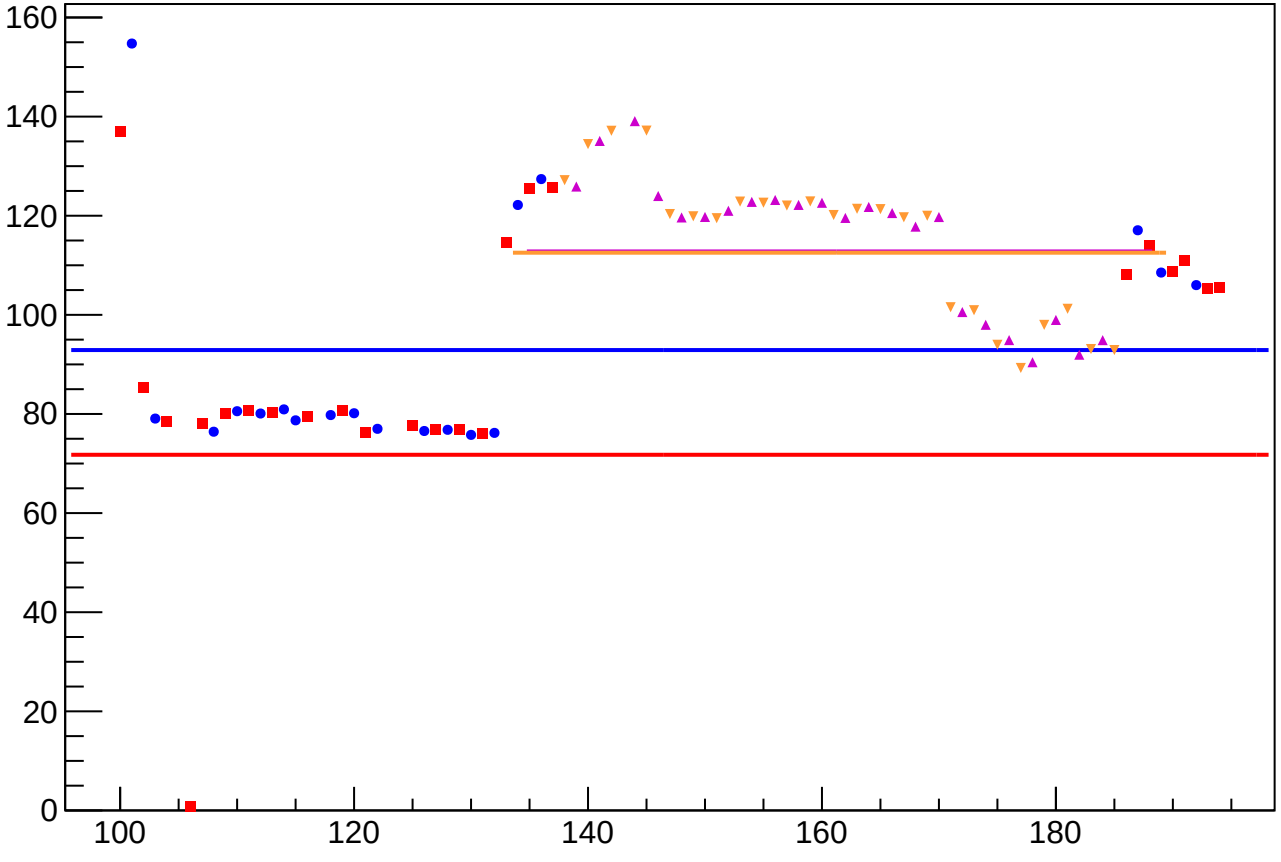
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -53.946+/-0.579 χ^2/NDF: 1111.8/42

All: -52.738+/-0.405 χ^2/NDF: 2304.0/89

- sign -51.575+/-0.567 χ^2/NDF: 1183.6/46

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: 71.766+/-0.045 χ^2/NDF: 804199.9/23

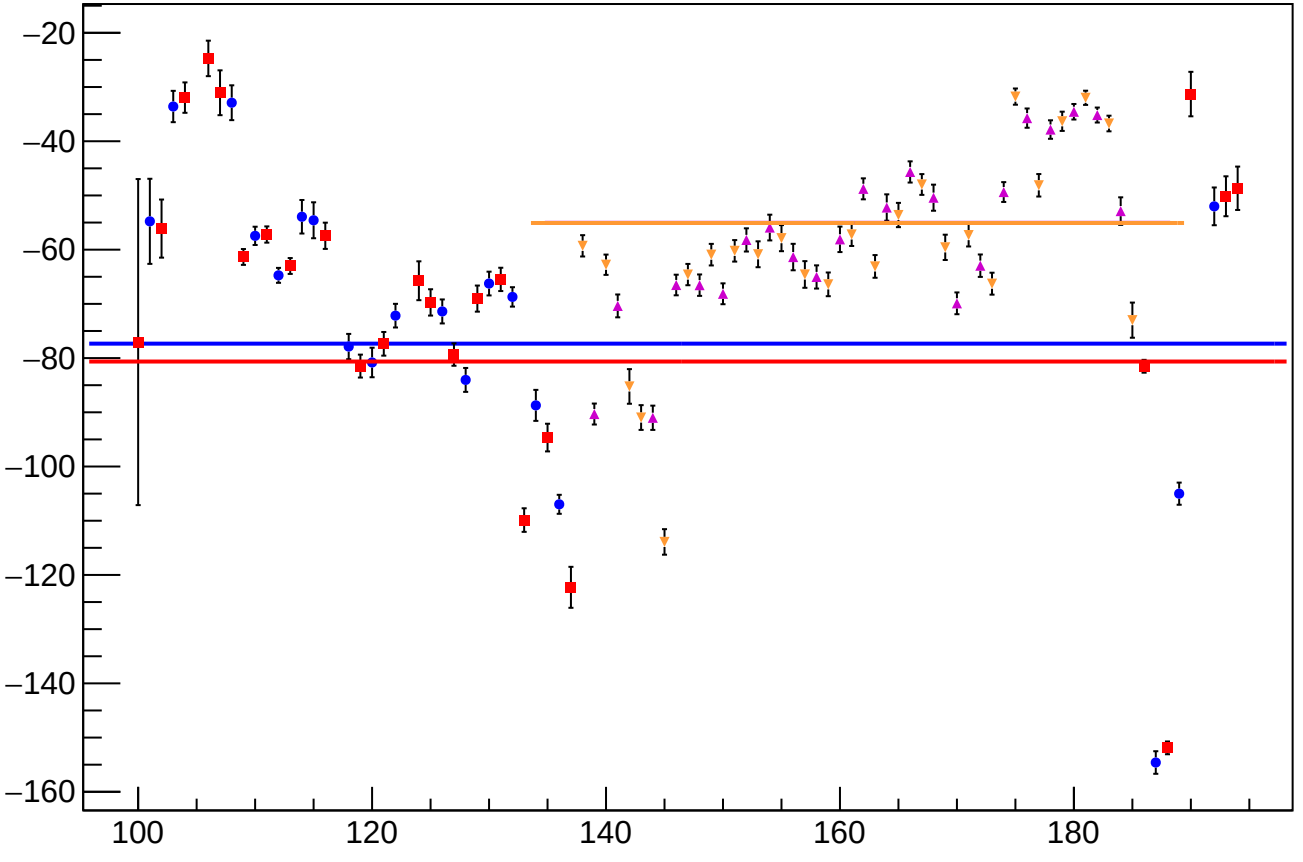
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.933+/-0.029 χ^2/NDF: 439307.3/42

All: 101.940+/-0.020 χ^2/NDF: 1996247.5/89

- sign 97.582+/-0.027 χ^2/NDF: 1502311.1/46

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: -80.635+/-0.437 χ^2/NDF: 5784.6/23

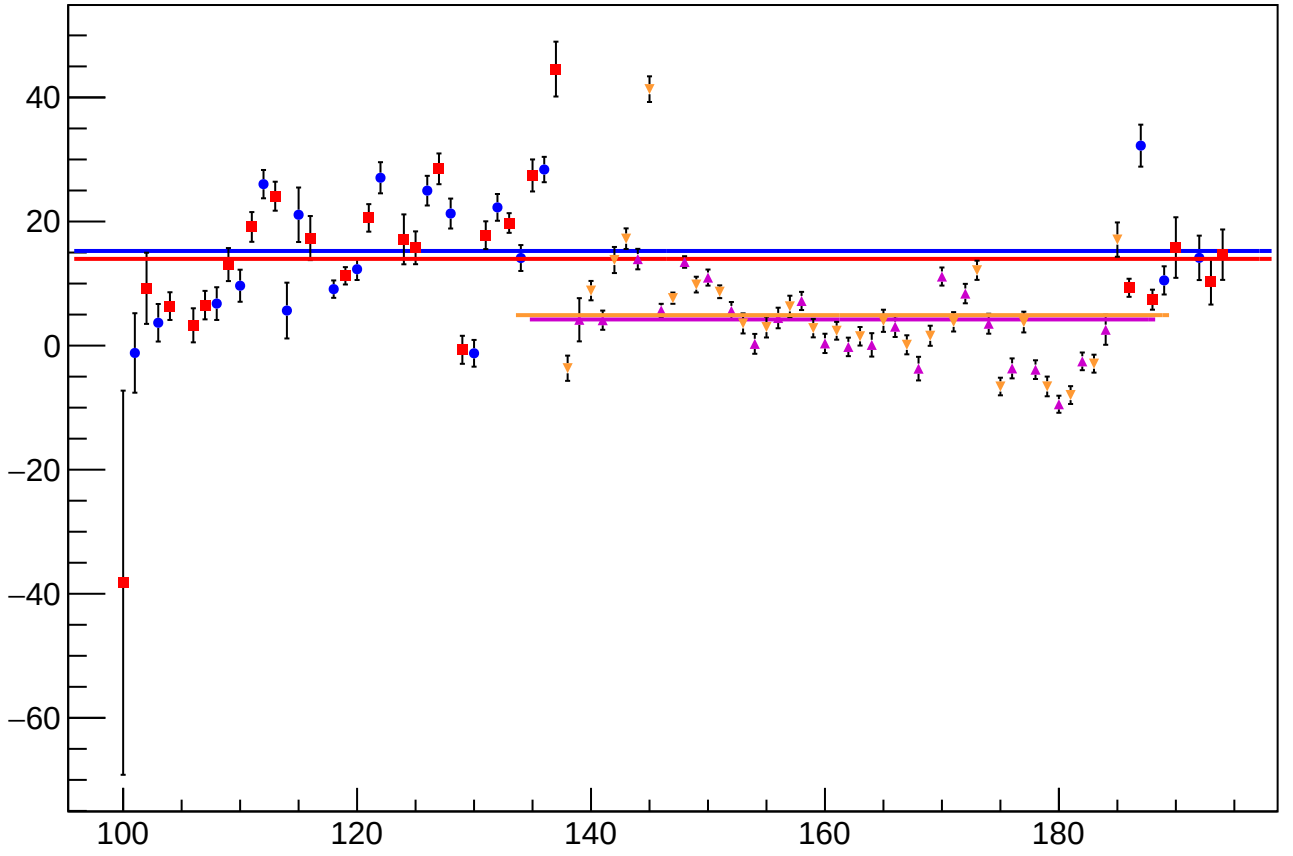
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -63.462+/-0.316 χ^2/NDF: 5910.8/43

All: -65.348+/-0.217 χ^2/NDF: 15125.0/90

- sign -67.037+/-0.299 χ^2/NDF: 9146.8/46

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: 13.976+/-0.486 χ^2/NDF: 274.6/23

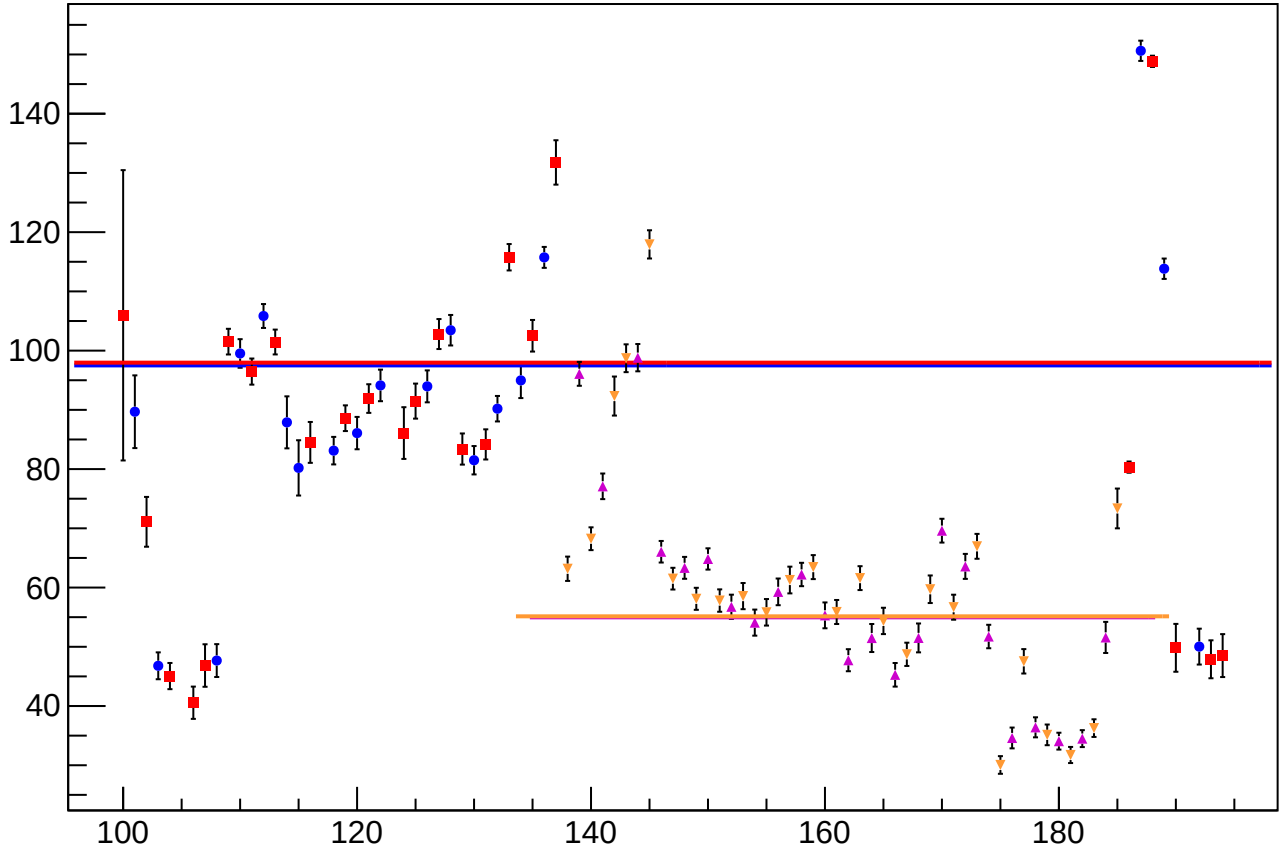
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.308+/-0.264 χ^2/NDF: 1286.7/43

All: 7.189+/-0.186 χ^2/NDF: 2262.4/90

- sign 7.071+/-0.263 χ^2/NDF: 975.4/46

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: 97.970+/-0.443 χ^2/NDF: 5326.1/23

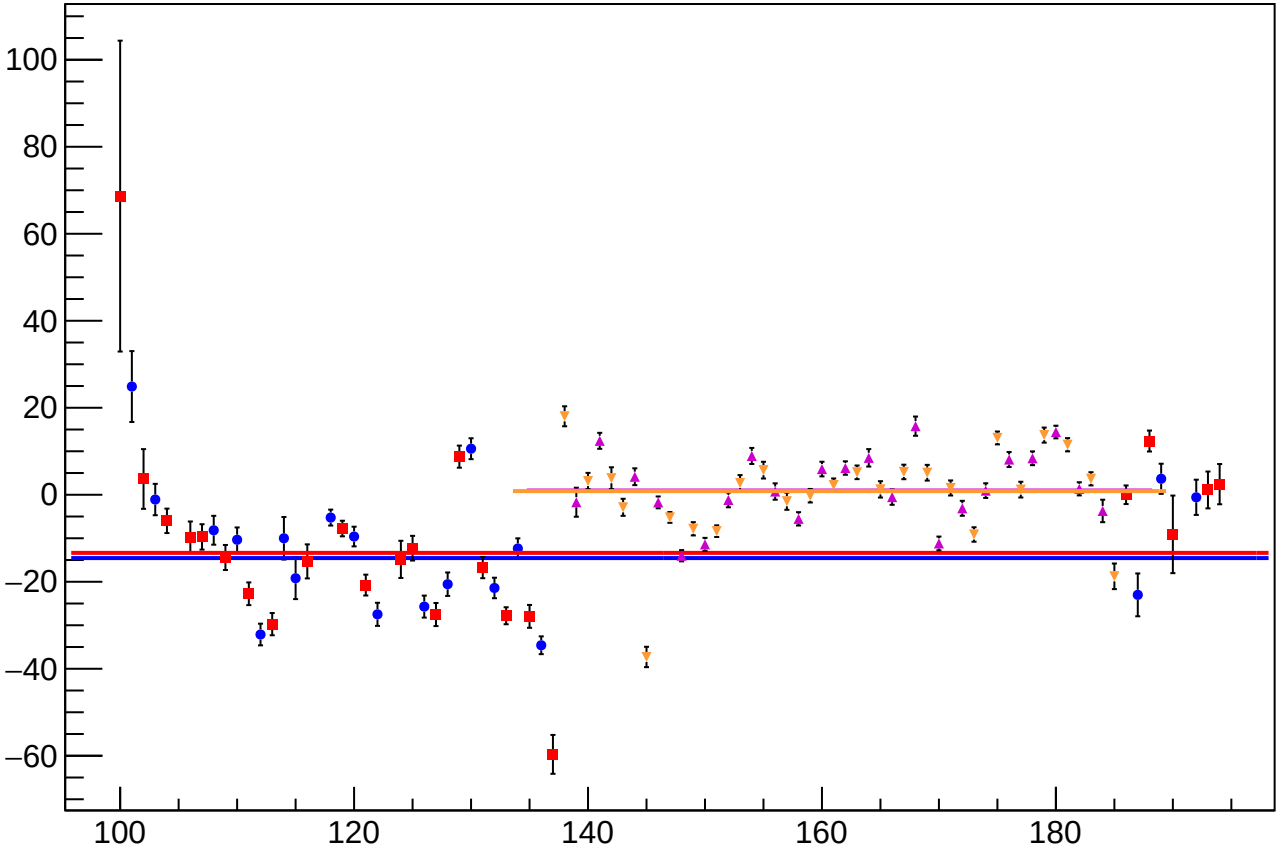
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 69.416+/-0.323 χ^2/NDF: 8470.1/43

All: 72.188+/-0.220 χ^2/NDF: 20834.3/90

- sign 74.564+/-0.299 χ^2/NDF: 12227.6/46

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

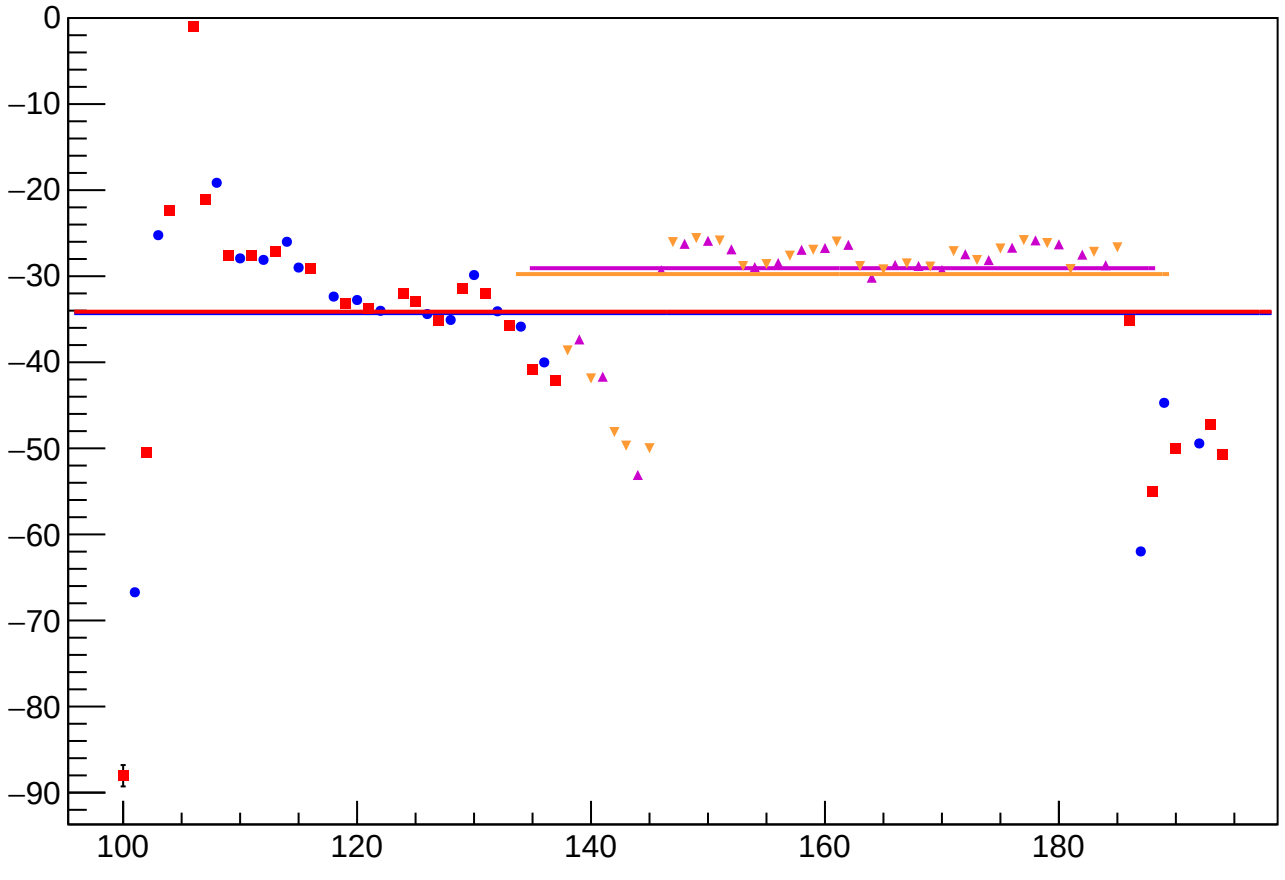
Right Out: -13.356+/-0.585 χ^2/NDF: 570.9/23

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

+ sign -2.596+/-0.302 χ^2/NDF: 1598.2/43

All: -2.723+/-0.214 χ^2/NDF: 3167.7/90

- sign -2.850+/-0.302 χ^2/NDF: 1569.2/46



Right In: -34.290+/-0.036 χ^2/NDF: 72811.8/18

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -34.123+/-0.033 χ^2/NDF: 168625.9/23

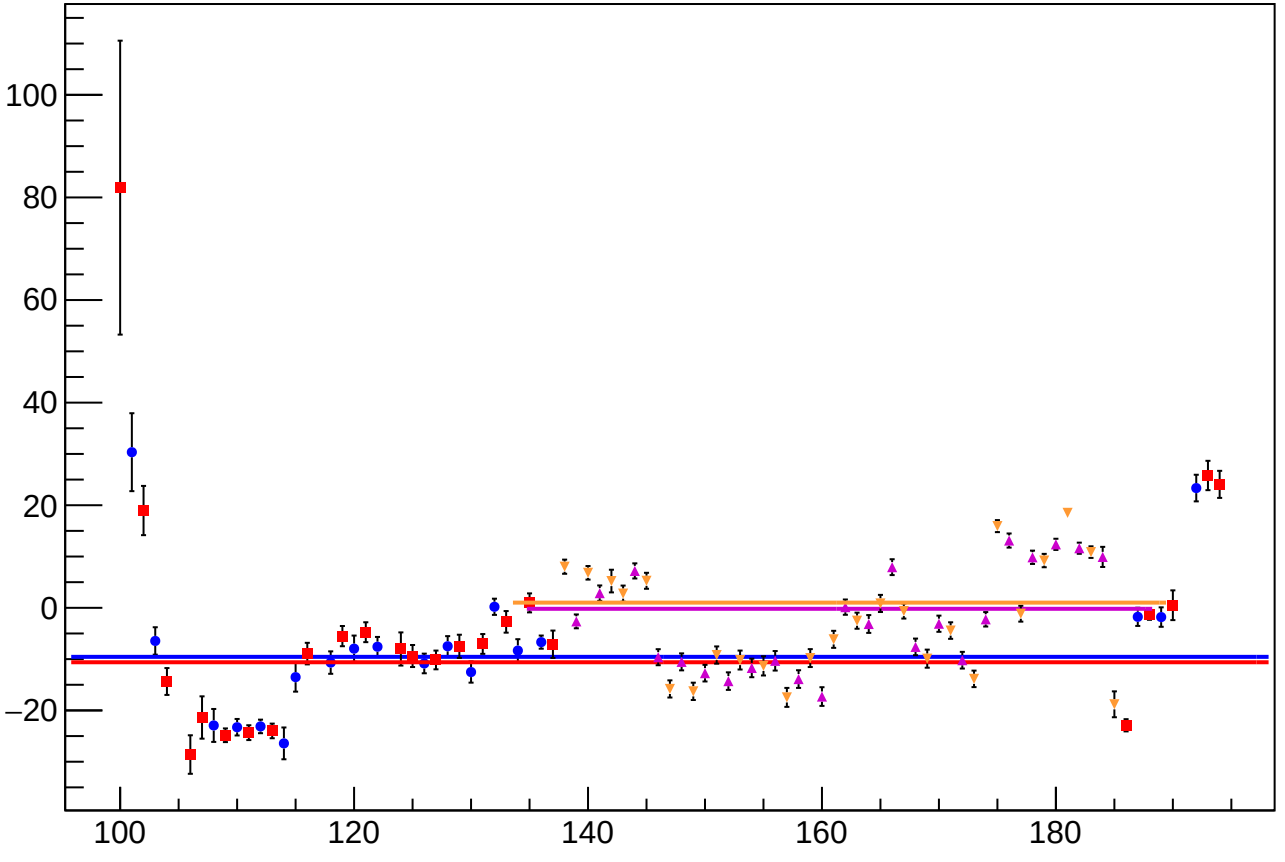
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -30.484+/-0.014 χ^2/NDF: 250012.0/43

All: -30.243+/-0.010 χ^2/NDF: 539726.2/90

- sign -30.004+/-0.014 χ^2/NDF: 289147.7/46

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: -10.611+/-0.396 χ^2/NDF: 989.1/23

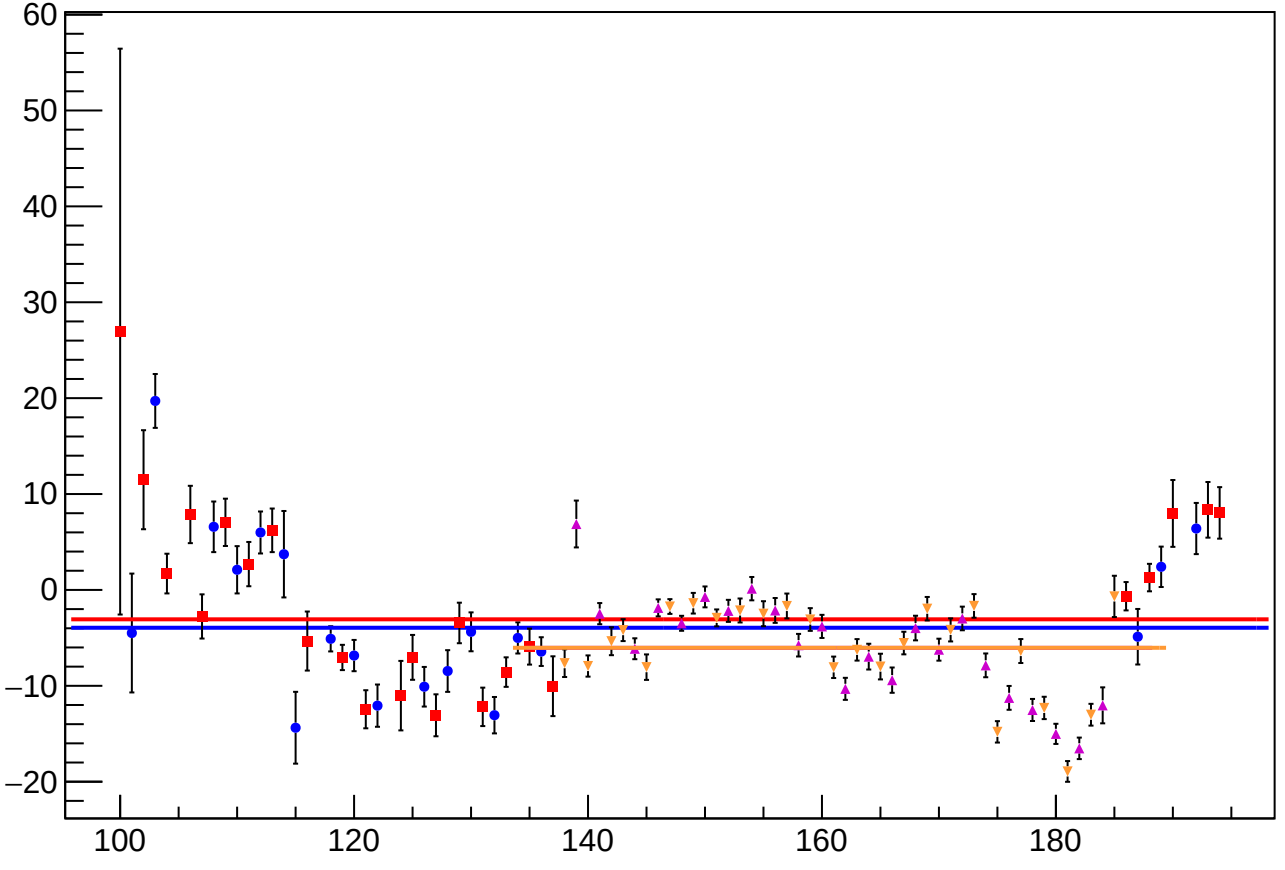
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -2.244+/-0.253 χ^2/NDF: 2207.3/43

All: -3.265+/-0.177 χ^2/NDF: 4635.9/90

- sign -4.229+/-0.246 χ^2/NDF: 2397.0/46

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: -3.066+/-0.443 χ^2/NDF: 223.3/23

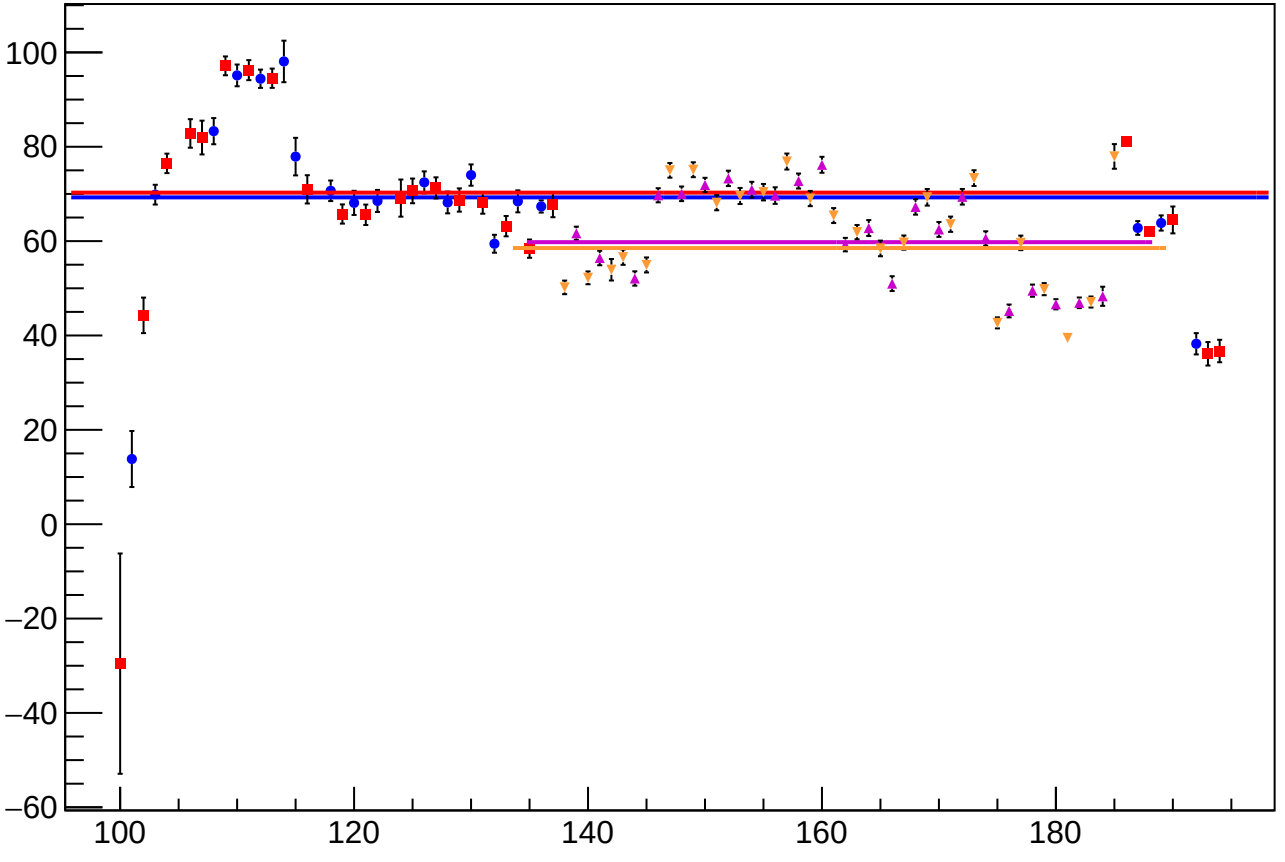
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.644+/-0.210 χ^2/NDF: 635.3/43

All: -5.502+/-0.150 χ^2/NDF: 1290.4/90

- sign -5.356+/-0.213 χ^2/NDF: 654.2/46

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: 70.276+/-0.401 χ^2/NDF: 1252.5/23

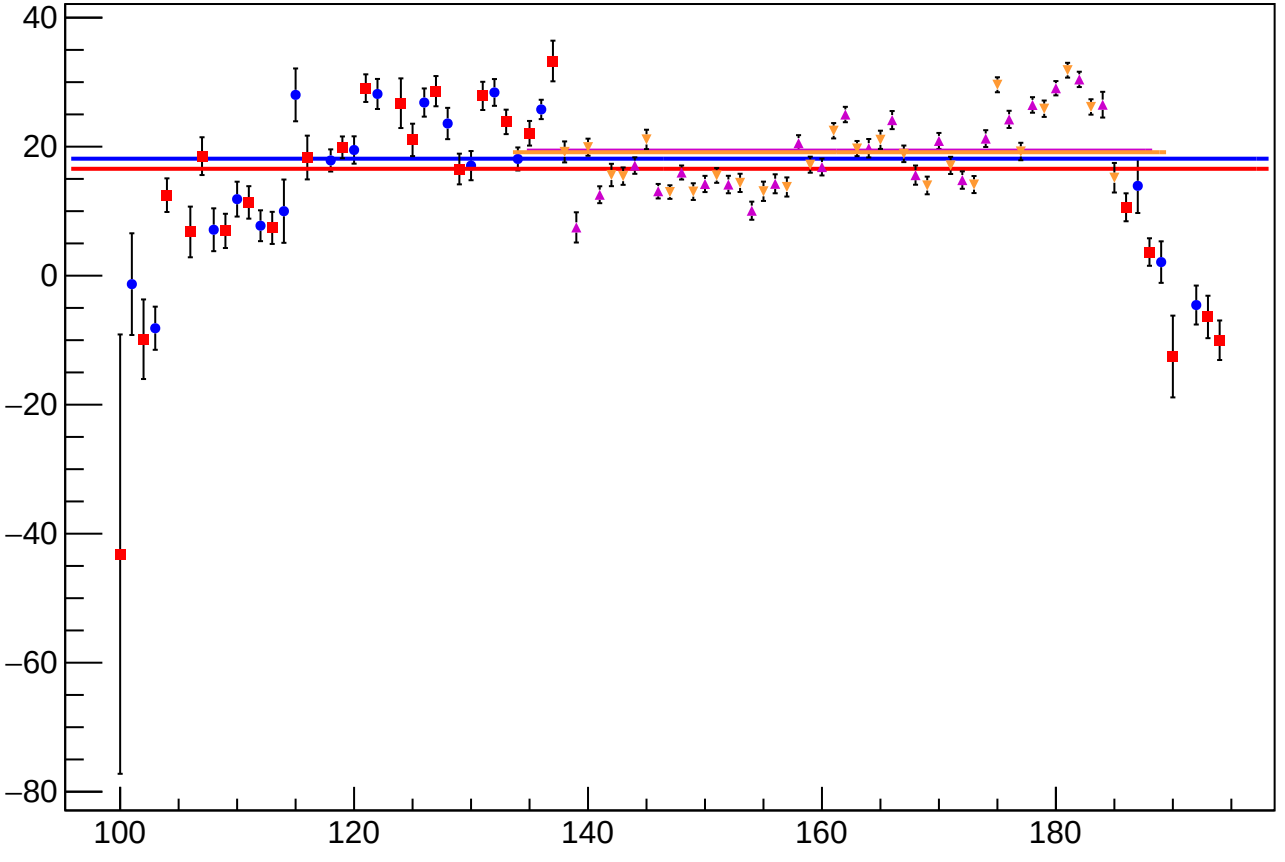
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

\+ sign 61.513+/-0.258 χ^2/NDF: 2509.0/43

All: 62.670+/-0.178 χ^2/NDF: 5297.9/90

\- sign 63.726+/-0.246 χ^2/NDF: 2750.2/46

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: 16.567+/-0.529 χ^2/NDF: 403.3/23

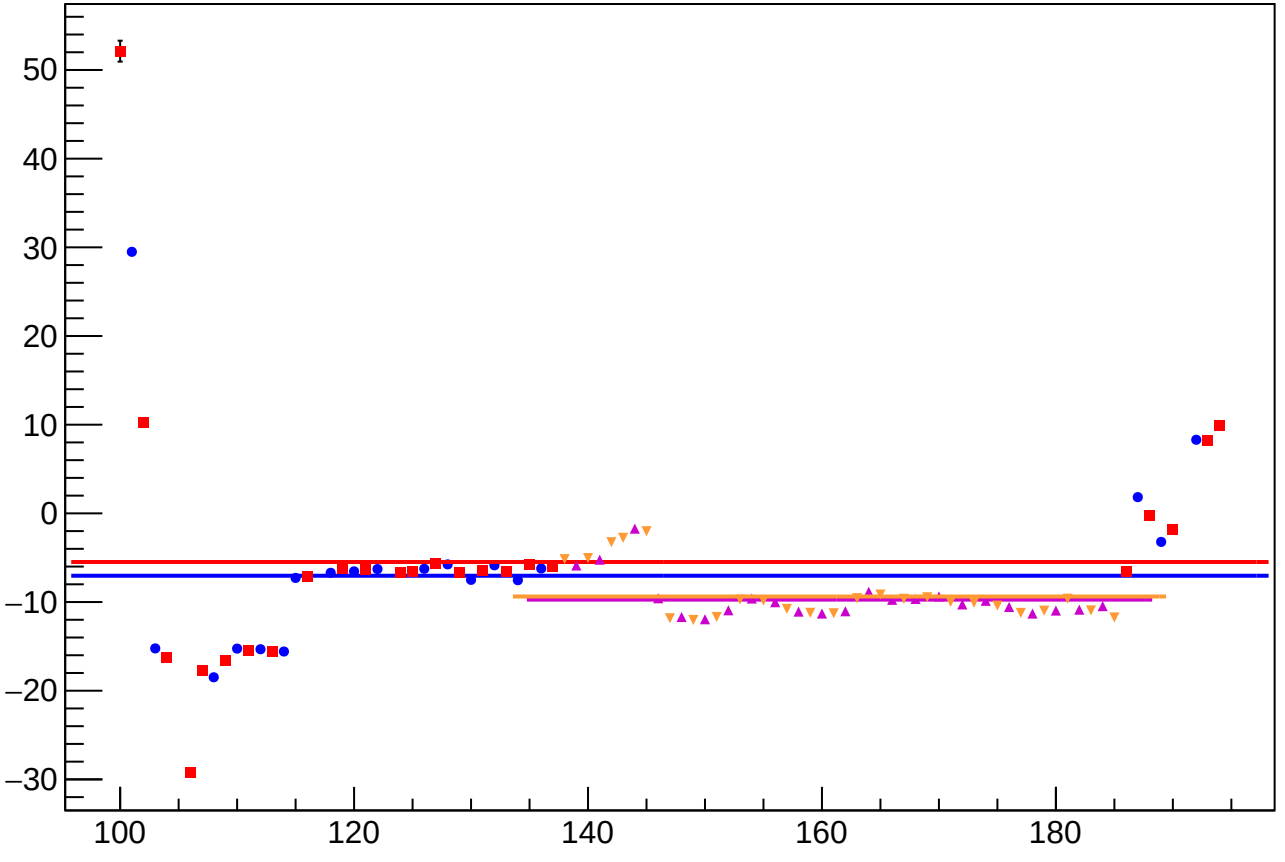
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 18.956+/-0.239 χ^2/NDF: 720.8/43

All: 18.876+/-0.170 χ^2/NDF: 1614.5/90

- sign 18.794+/-0.243 χ^2/NDF: 893.5/46

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: -5.486+/-0.029 χ^2/NDF: 120681.1/23

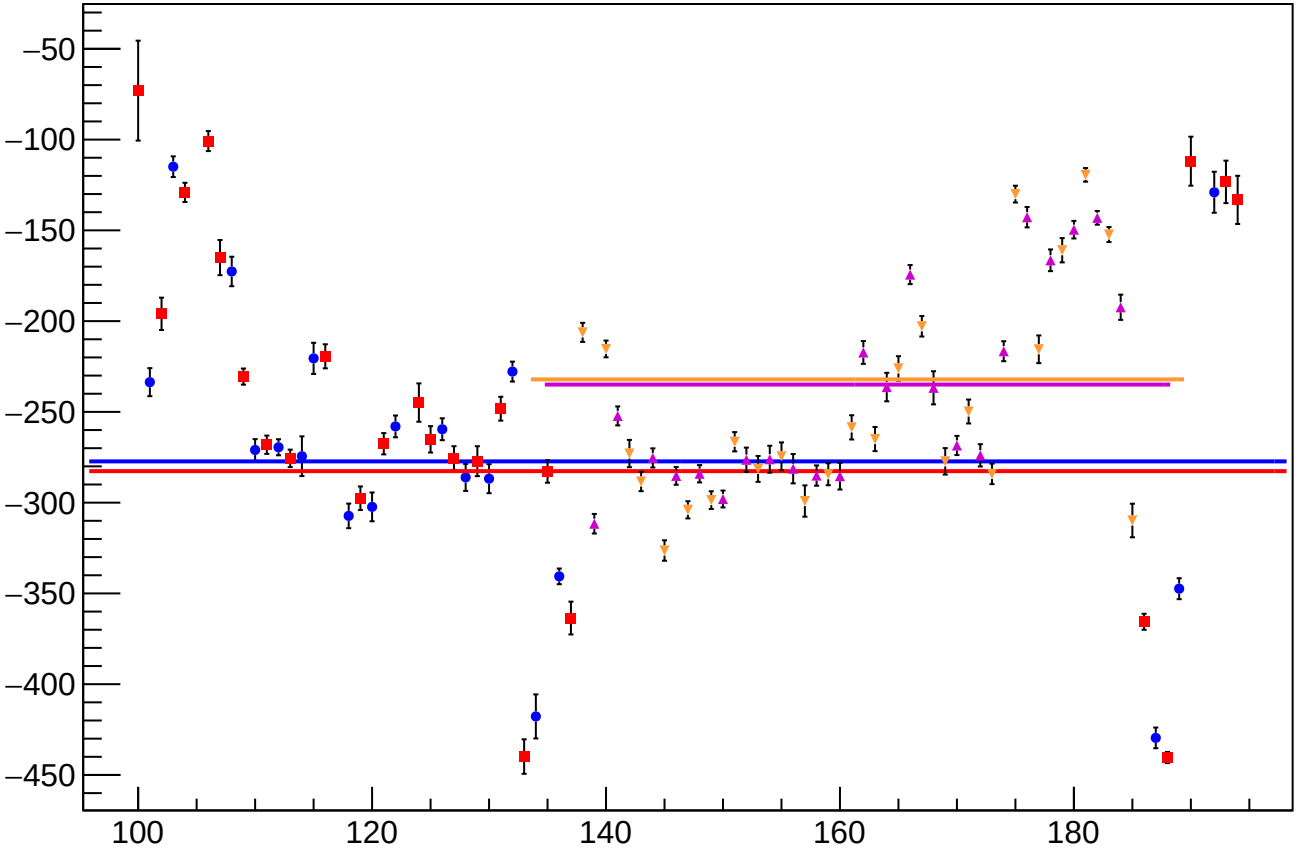
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -9.059+/-0.011 χ^2/NDF: 118787.3/43

All: -9.071+/-0.008 χ^2/NDF: 289985.3/90

- sign -9.084+/-0.011 χ^2/NDF: 171195.5/46

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: -282.640+/-1.273 χ^2/NDF: 6357.8/23

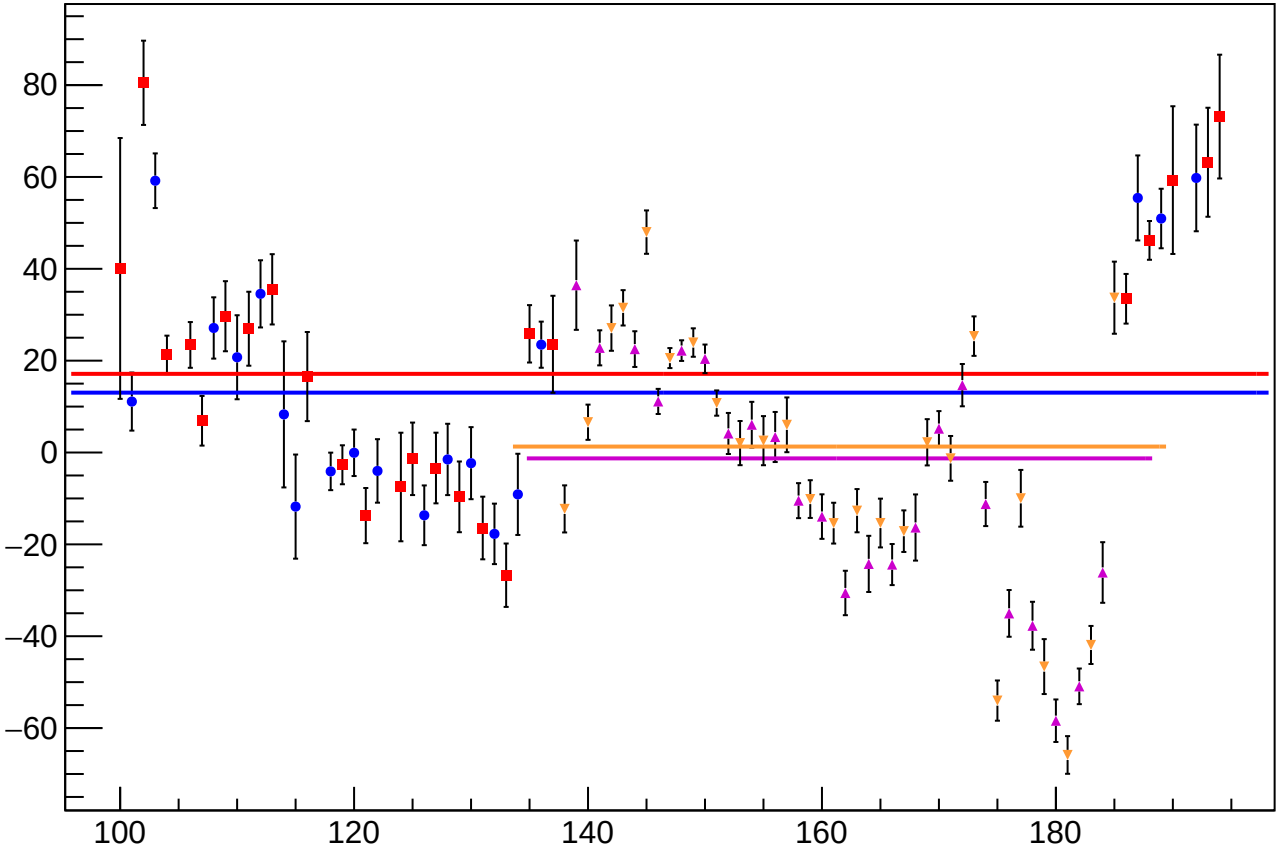
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -248.874+/-0.906 χ^2/NDF: 6418.2/43

All: -253.086+/-0.625 χ^2/NDF: 16045.0/90

- sign -256.910+/-0.864 χ^2/NDF: 9585.6/46

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: 17.127+/-1.375 χ^2/NDF: 304.3/23

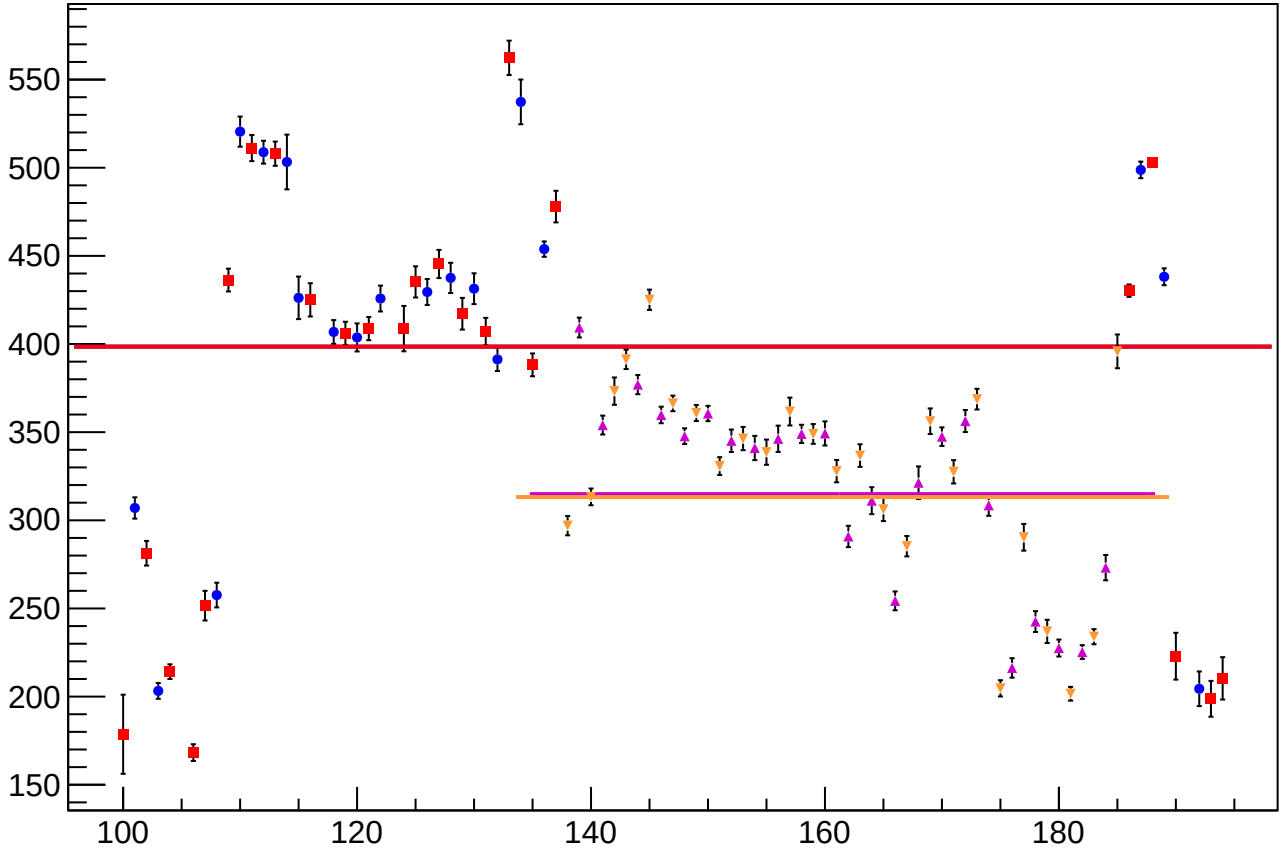
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

\+ sign 3.929+/-0.737 χ^2/NDF: 1330.9/43

All: 3.951+/-0.520 χ^2/NDF: 2574.5/90

\- sign 3.973+/-0.734 χ^2/NDF: 1243.6/46

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: 398.490+/-1.252 χ^2/NDF: 8612.2/23

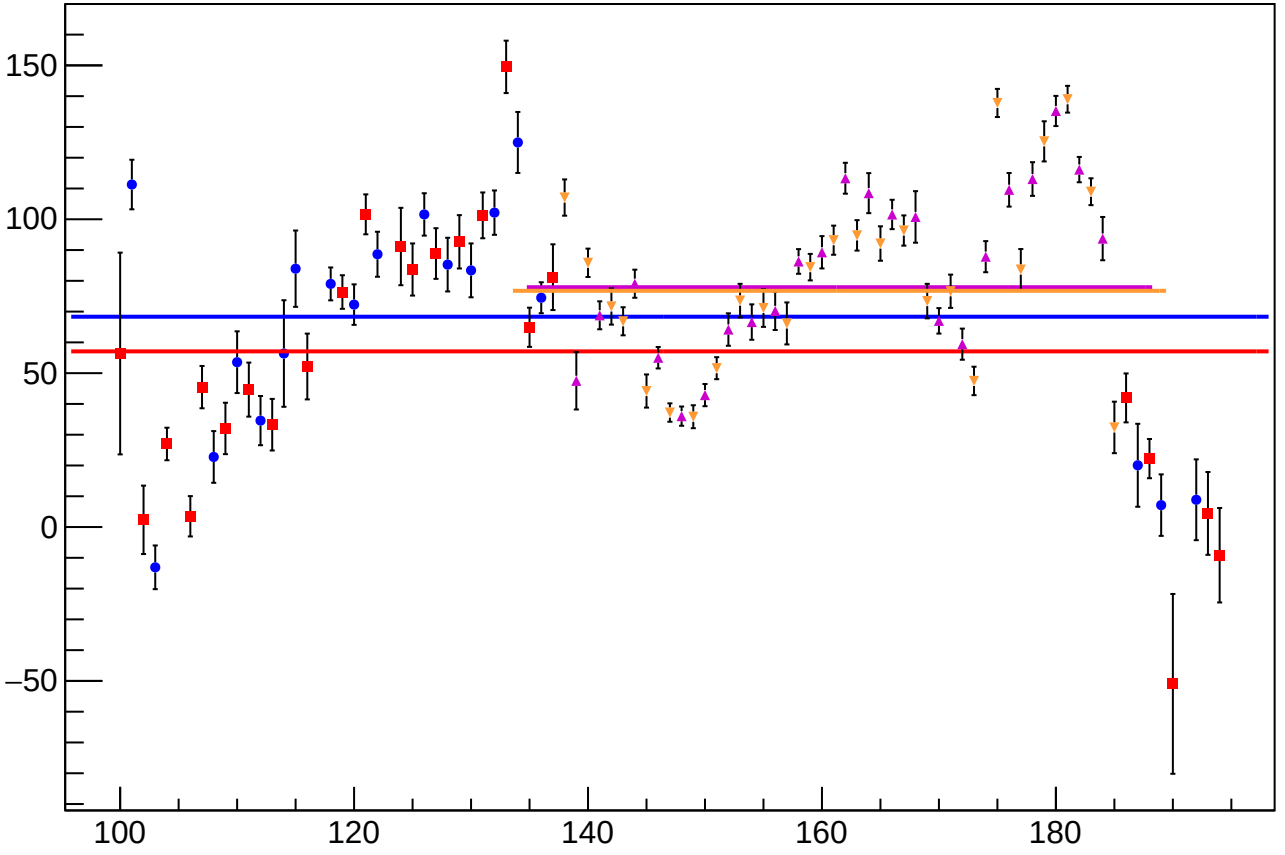
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 343.532+/-0.910 χ^2/NDF: 9493.5/43

All: 348.869+/-0.622 χ^2/NDF: 22996.9/90

- sign 353.536+/-0.851 χ^2/NDF: 13439.0/46

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: 57.076+/-1.662 χ^2/NDF: 495.2/23

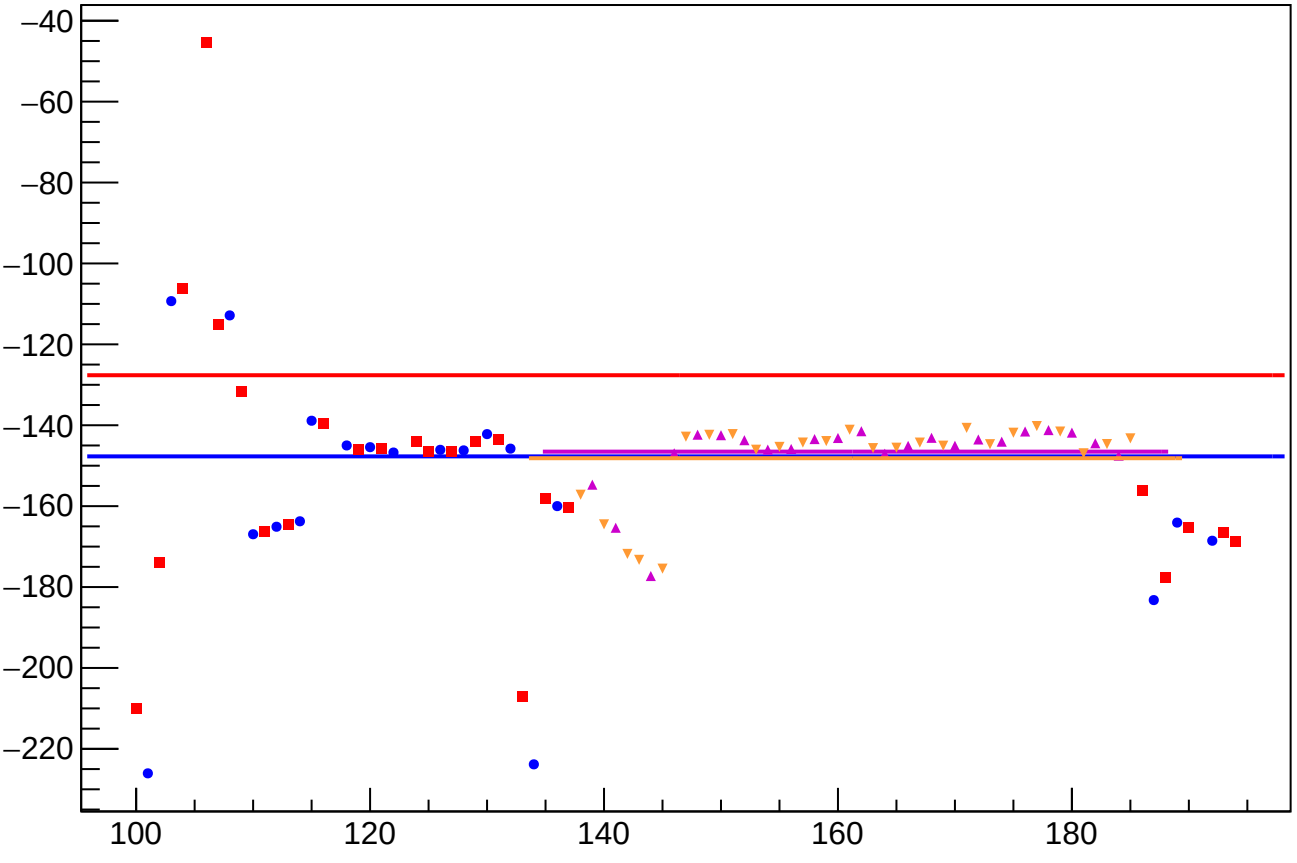
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 74.918+/-0.855 χ^2/NDF: 1432.5/43

All: 73.664+/-0.604 χ^2/NDF: 2831.5/90

- sign 72.409+/-0.855 χ^2/NDF: 1394.7/46

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: -127.634+/-0.082 χ^2/NDF: 319728.9/23

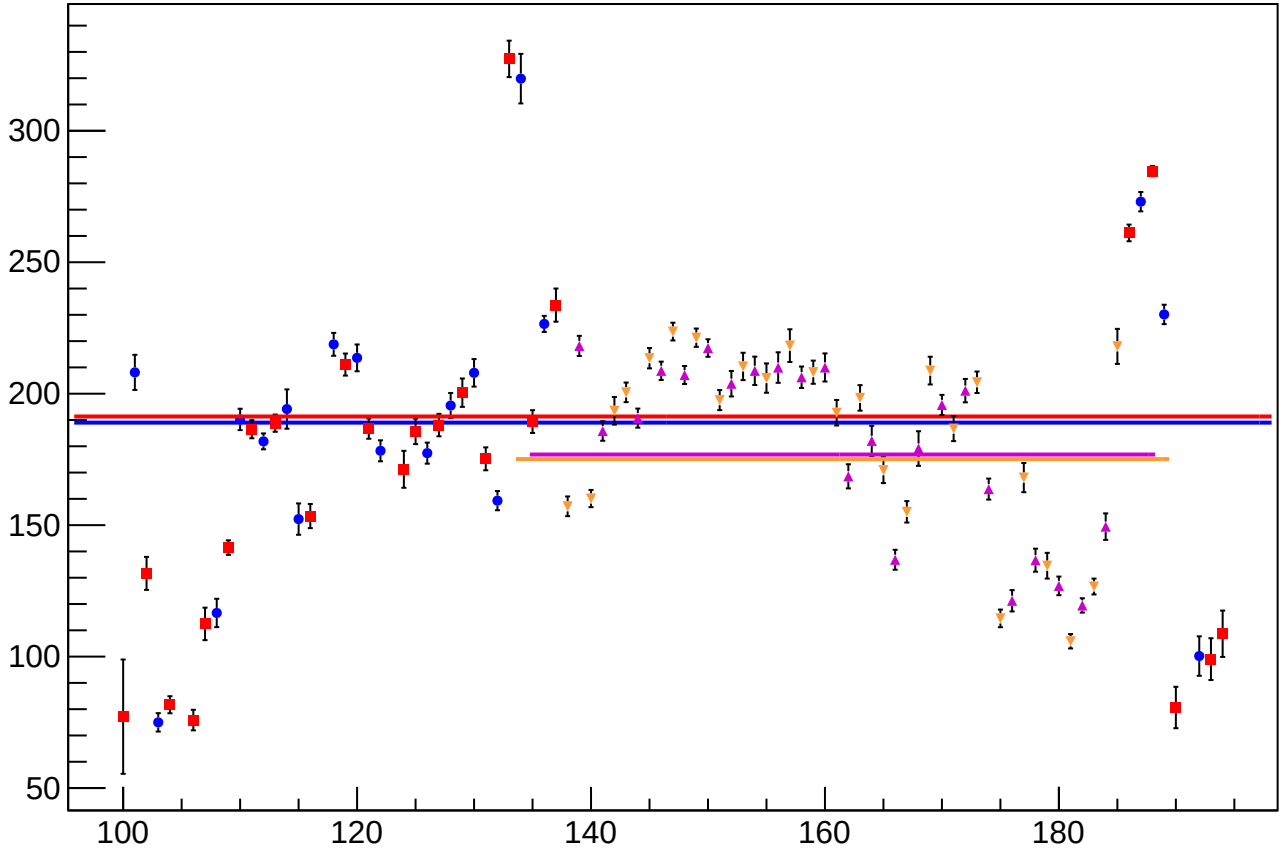
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -148.062+/-0.041 χ^2/NDF: 187489.8/43

All: -144.998+/-0.028 χ^2/NDF: 588284.3/90

- sign -142.051+/-0.040 χ^2/NDF: 389610.2/46

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: 191.329+/-0.842 χ^2/NDF: 6410.6/23

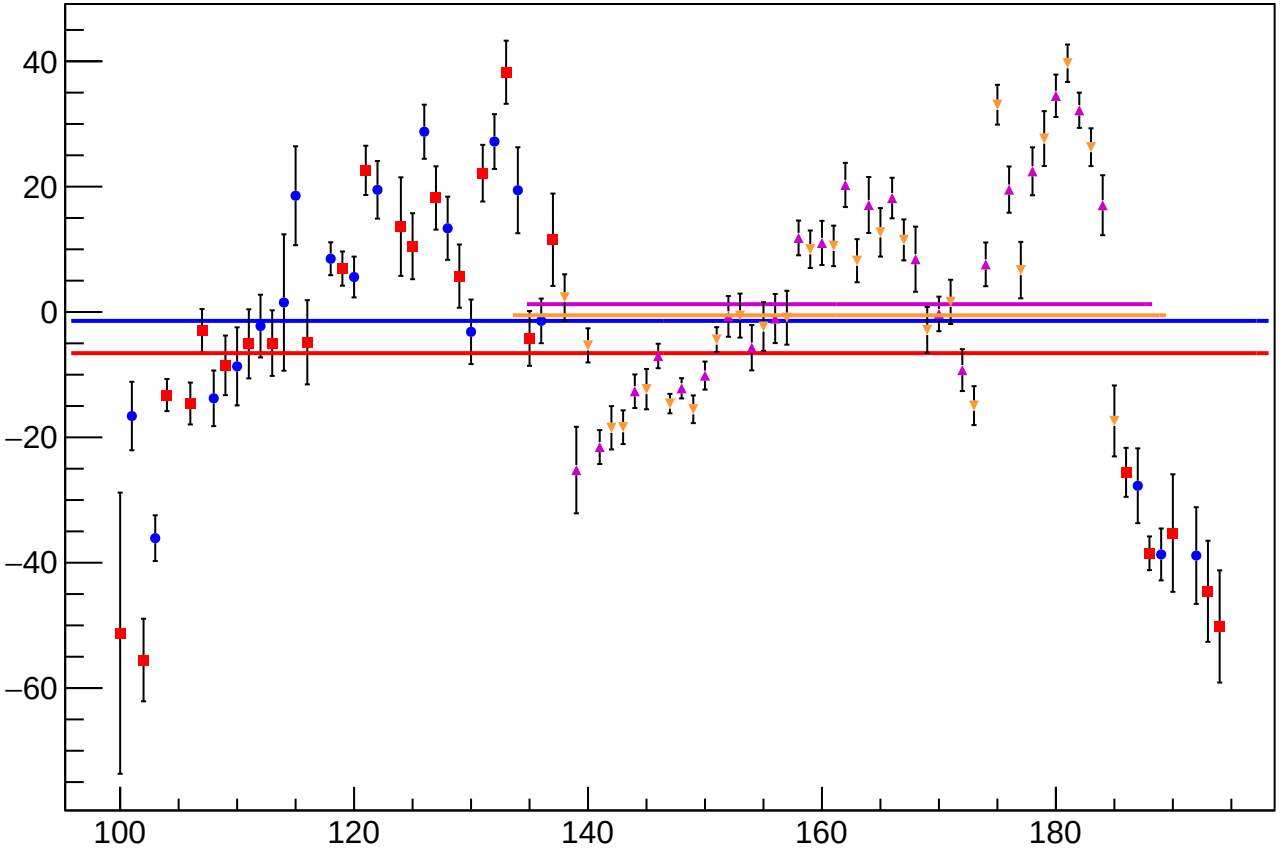
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 180.750+/-0.634 χ^2/NDF: 4999.7/43

All: 182.544+/-0.435 χ^2/NDF: 13328.2/90

- sign 184.137+/-0.597 χ^2/NDF: 8313.4/46

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: -6.566+/-0.906 χ^2/NDF: 545.7/23

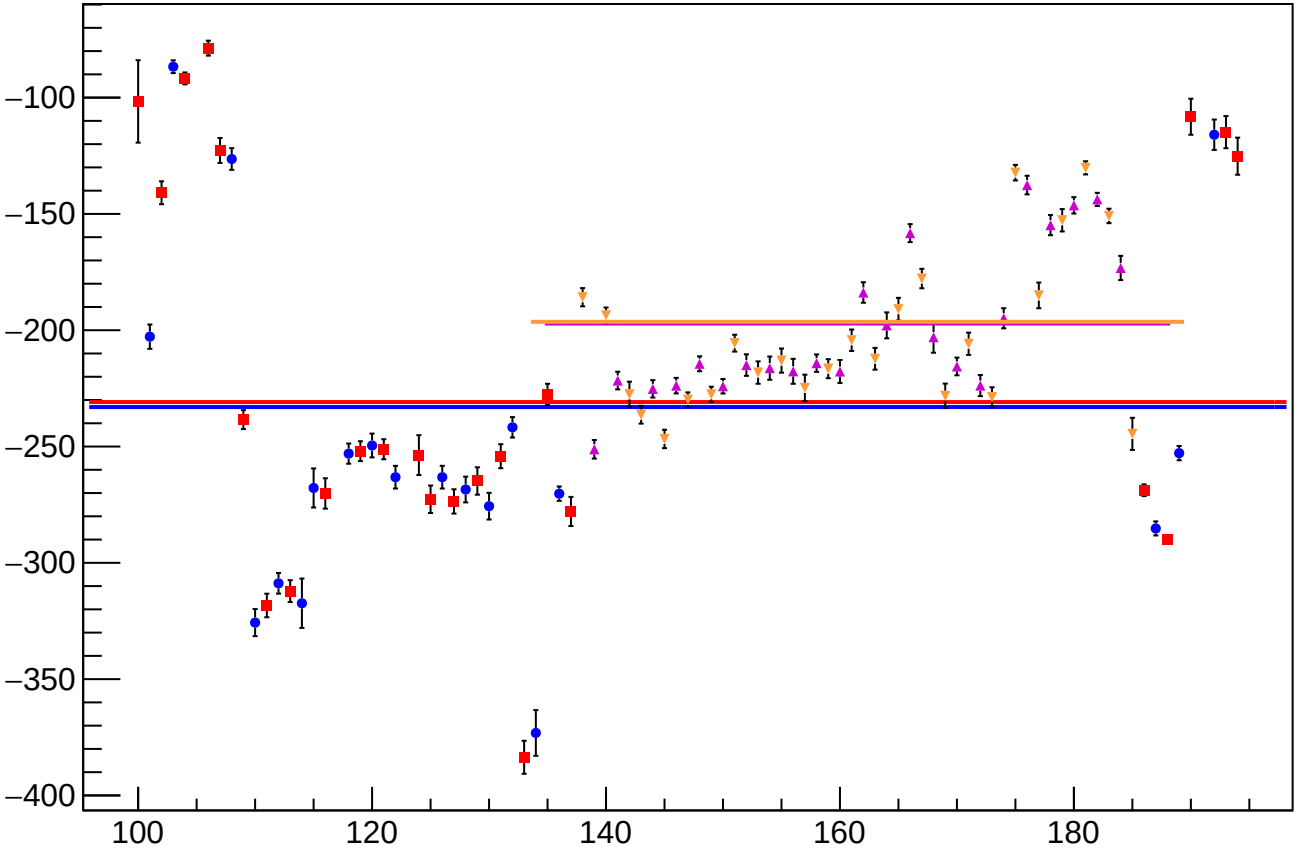
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -0.747+/-0.520 χ^2/NDF: 1111.9/43

All: -1.015+/-0.366 χ^2/NDF: 2329.0/90

- sign -1.278+/-0.515 χ^2/NDF: 1216.6/46

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: -230.884+/-0.825 χ^2/NDF: 9759.1/23

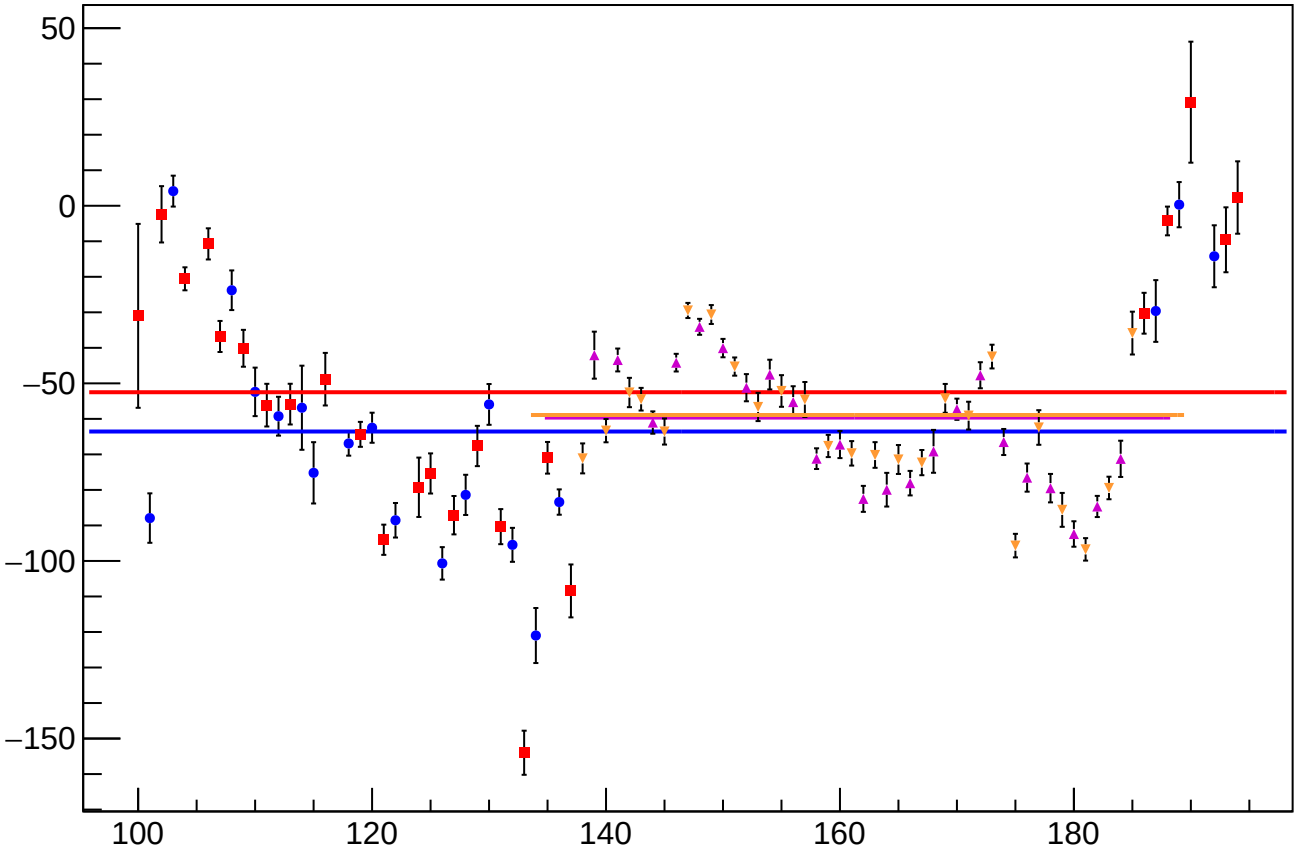
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -210.698+/-0.637 χ^2/NDF: 8022.8/43

All: -212.620+/-0.432 χ^2/NDF: 20225.9/90

- sign -214.255+/-0.587 χ^2/NDF: 12186.2/46

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: -52.498+/-1.098 χ^2/NDF: 1060.1/23

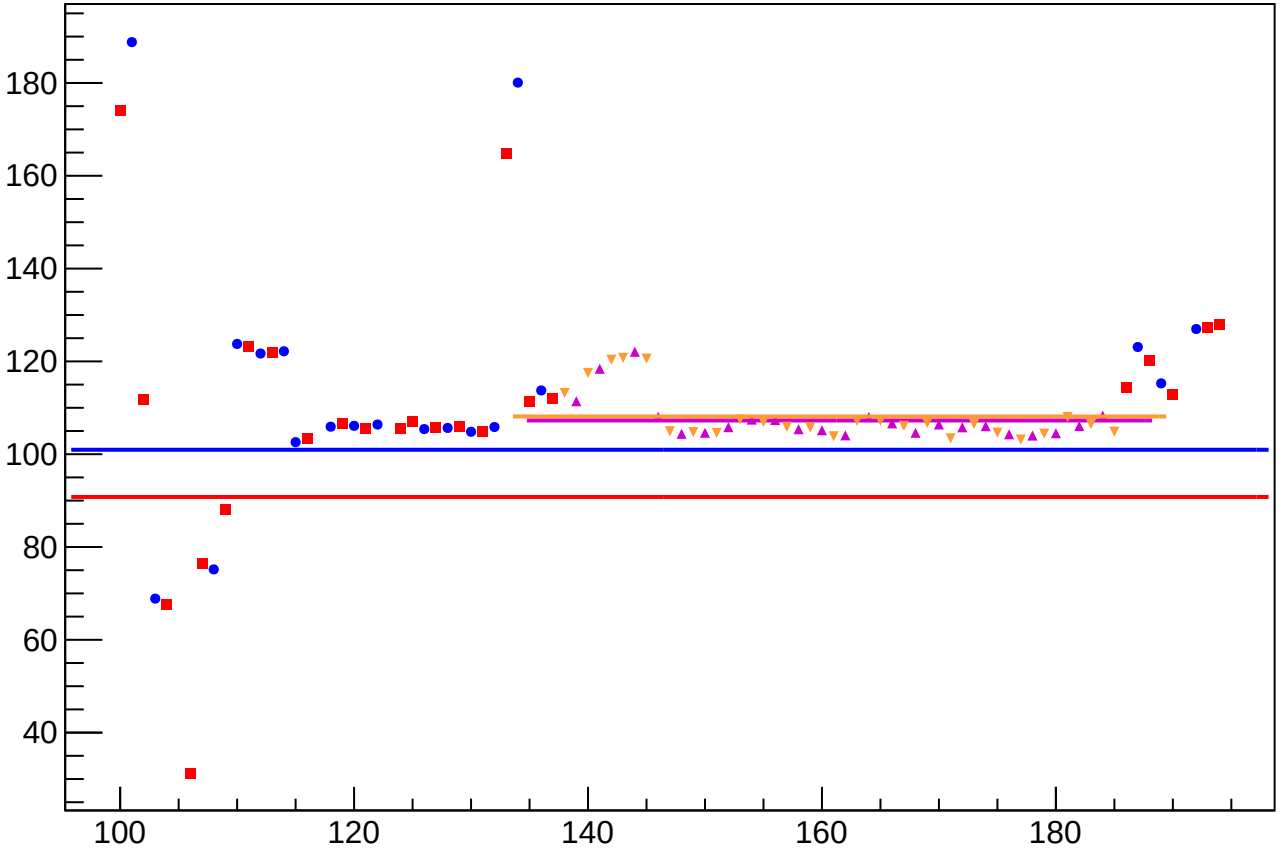
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -60.037+/-0.605 χ^2/NDF: 1487.0/43

All: -58.760+/-0.426 χ^2/NDF: 3182.6/90

- sign -57.497+/-0.601 χ^2/NDF: 1686.7/46

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

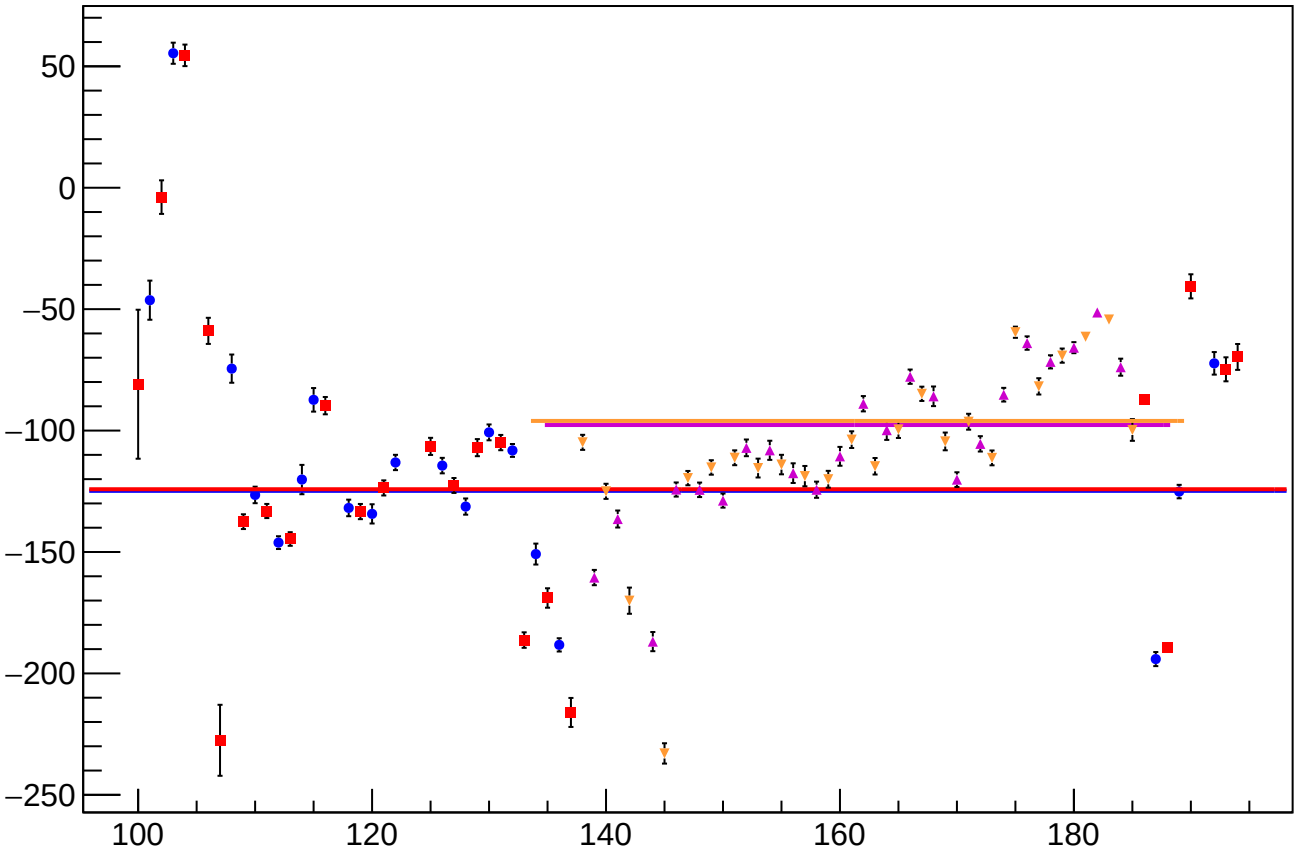
Right Out: 90.789+/-0.055 χ^2/NDF: 335035.9/23

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

\+ sign 106.604+/-0.029 χ^2/NDF: 280004.8/43

All: 104.758+/-0.020 χ^2/NDF: 705488.7/90

\- sign 102.980+/-0.028 χ^2/NDF: 417409.7/46



Right In: -124.816+/-0.802 χ^2/NDF: 3416.9/18

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

Right Out: -124.156+/-0.680 χ^2/NDF: 5721.4/22

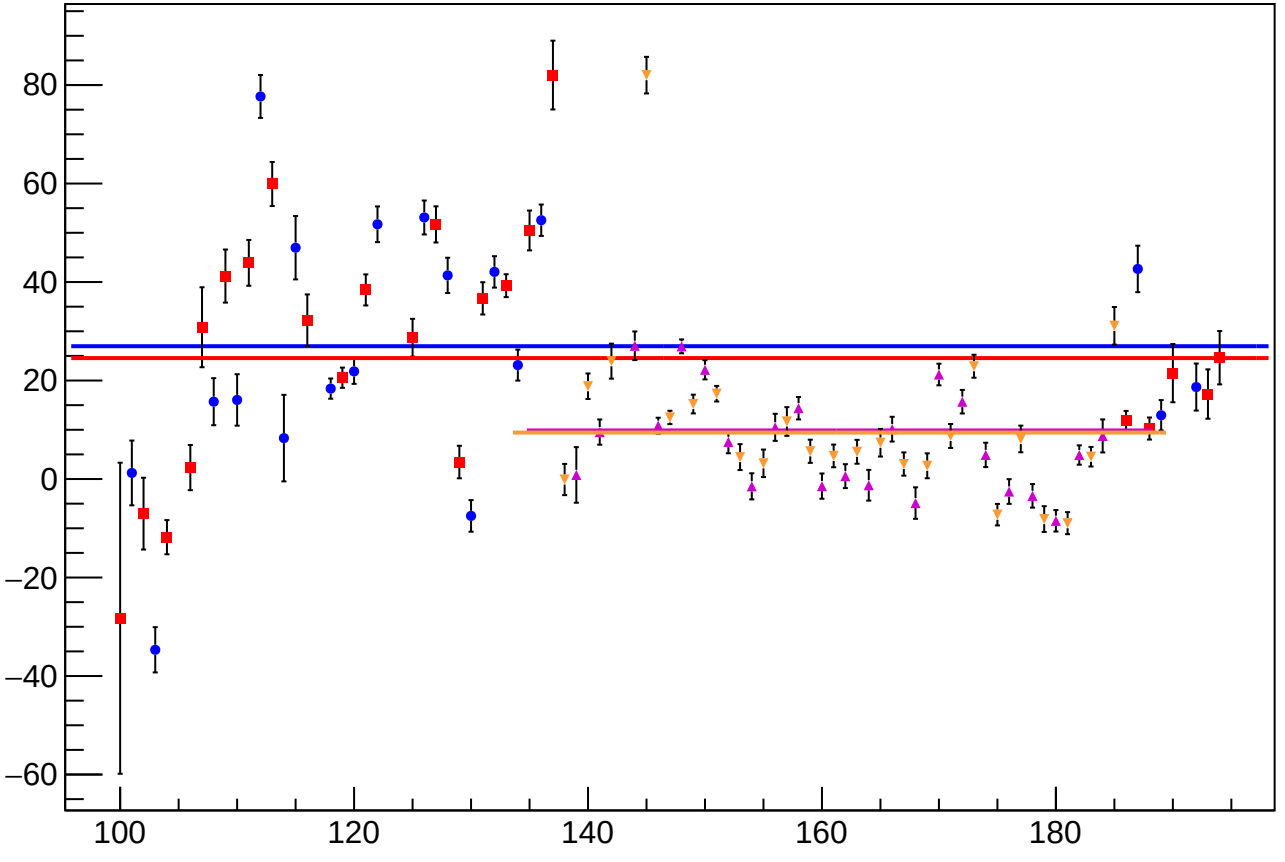
Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

\+ sign -107.123+/-0.498 χ^2/NDF: 6980.5/42

All: -108.718+/-0.340 χ^2/NDF: 16166.2/88

\- sign -110.112+/-0.465 χ^2/NDF: 9166.4/45

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 26.971+/-0.827 χ^2/NDF: 735.5/18

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

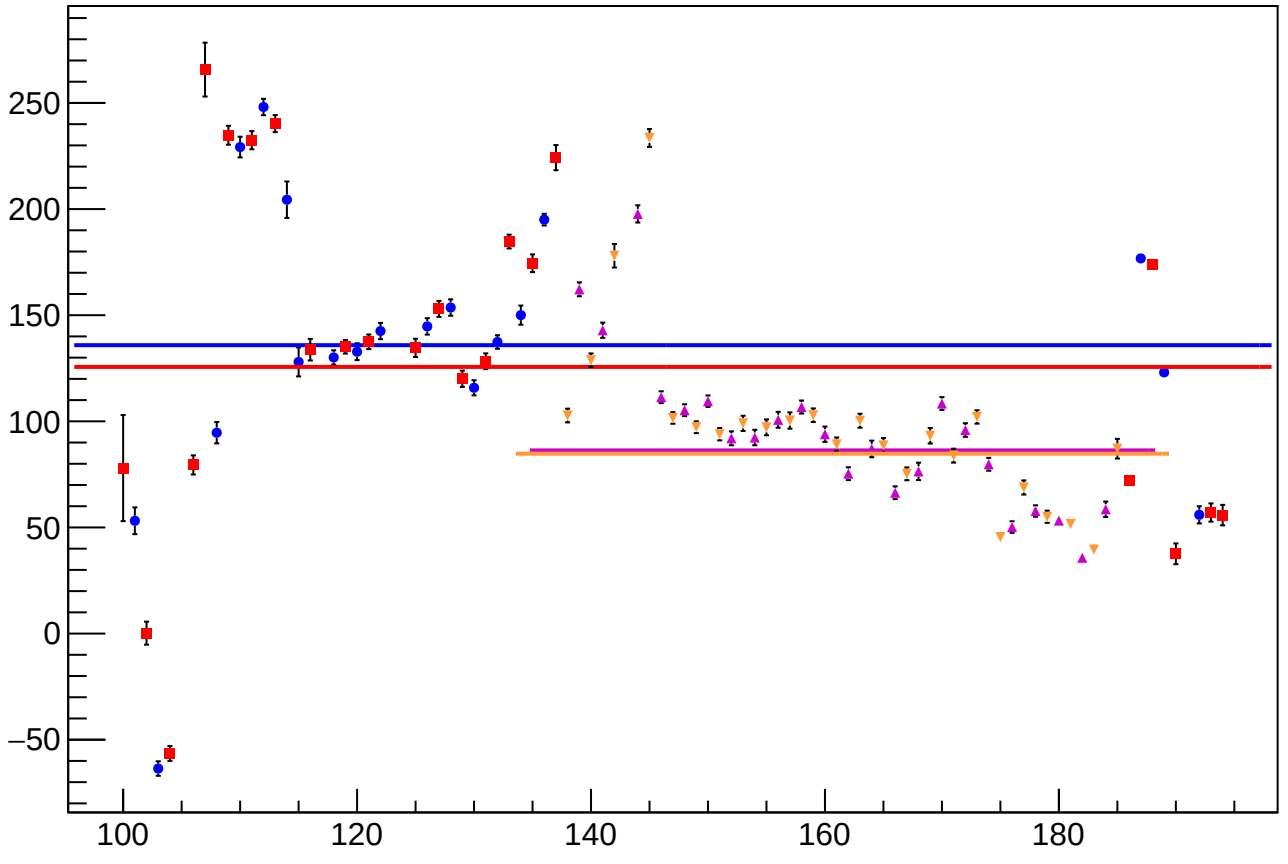
Right Out: 24.558+/-0.744 χ^2/NDF: 611.5/22

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

+ sign 13.829+/-0.414 χ^2/NDF: 1808.8/42

All: 14.051+/-0.290 χ^2/NDF: 3179.5/88

- sign 14.267+/-0.407 χ^2/NDF: 1370.1/45



Right In: 135.879+/-0.839 χ^2/NDF: 6179.1/18

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

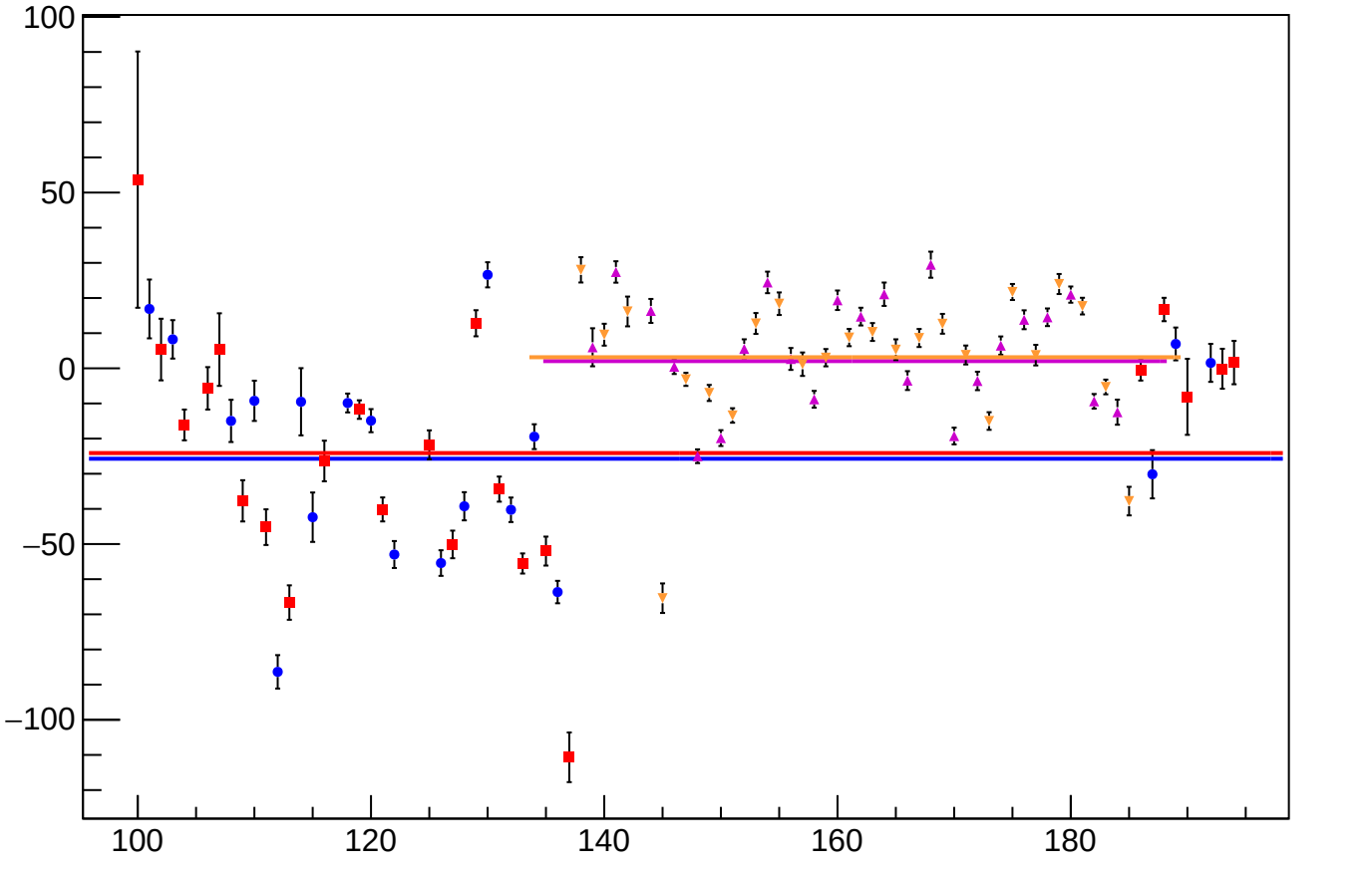
Right Out: 125.633+/-0.660 χ^2/NDF: 10110.9/22

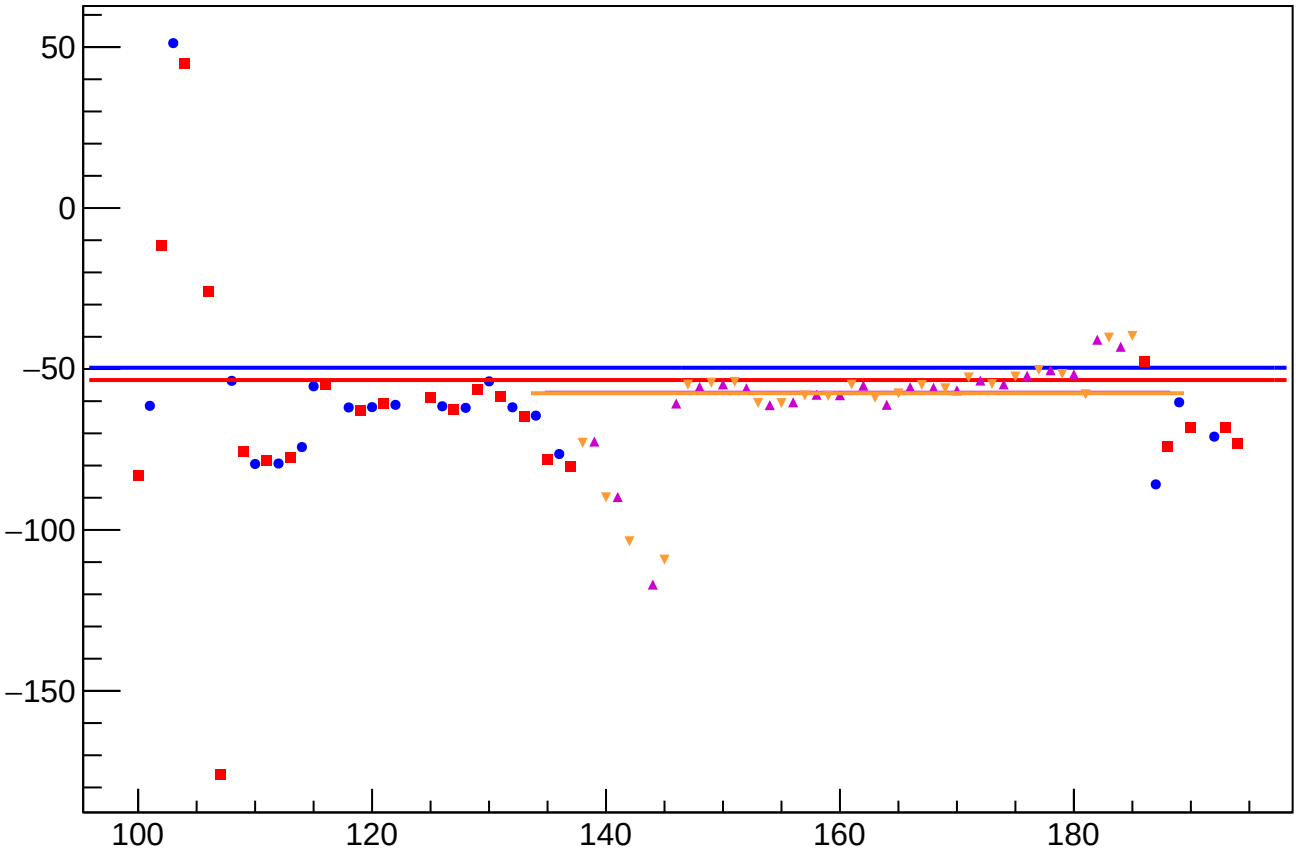
Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 103.160+/-0.503 χ^2/NDF: 11666.2/42

All: 104.234+/-0.338 χ^2/NDF: 26792.2/88

\- sign 105.117+/-0.456 χ^2/NDF: 15117.8/45


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug
100
50
0
−50
−100
100
120
140
160
180
Right In: -25.731+/-0.972 χ²/NDF: 871.8/18
Left Out: 3.151+/-0.544 χ²/NDF:813.9/23
Right Out: -24.116+/-0.907 χ²/NDF: 897.9/22
Left In: 2.050+/-0.551 χ²/NDF:850.8/22
+ sign -3.732+/-0.475 χ²/NDF: 2358.1/42
All: -4.374+/-0.334 χ²/NDF: 4718.4/88
- sign -5.005+/-0.471 χ²/NDF: 2356.7/45



Right In: -49.618+/-0.054 χ^2/NDF: 608375.1/18

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -53.440+/-0.051 χ^2/NDF: 544224.6/22

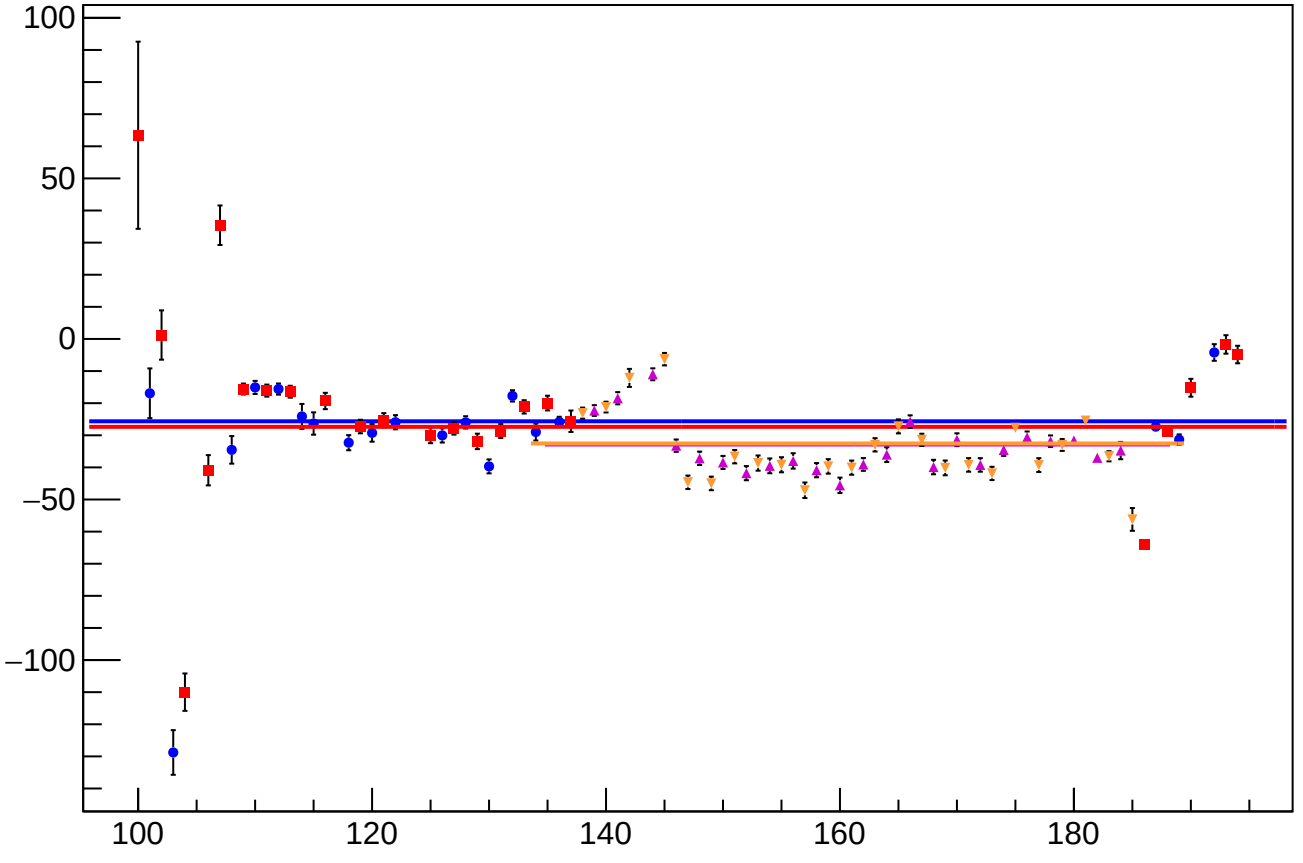
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -56.158+/-0.023 χ^2/NDF: 893131.0/42

All: -56.394+/-0.016 χ^2/NDF: 1669542.7/88

- sign -56.624+/-0.022 χ^2/NDF: 776195.2/45

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

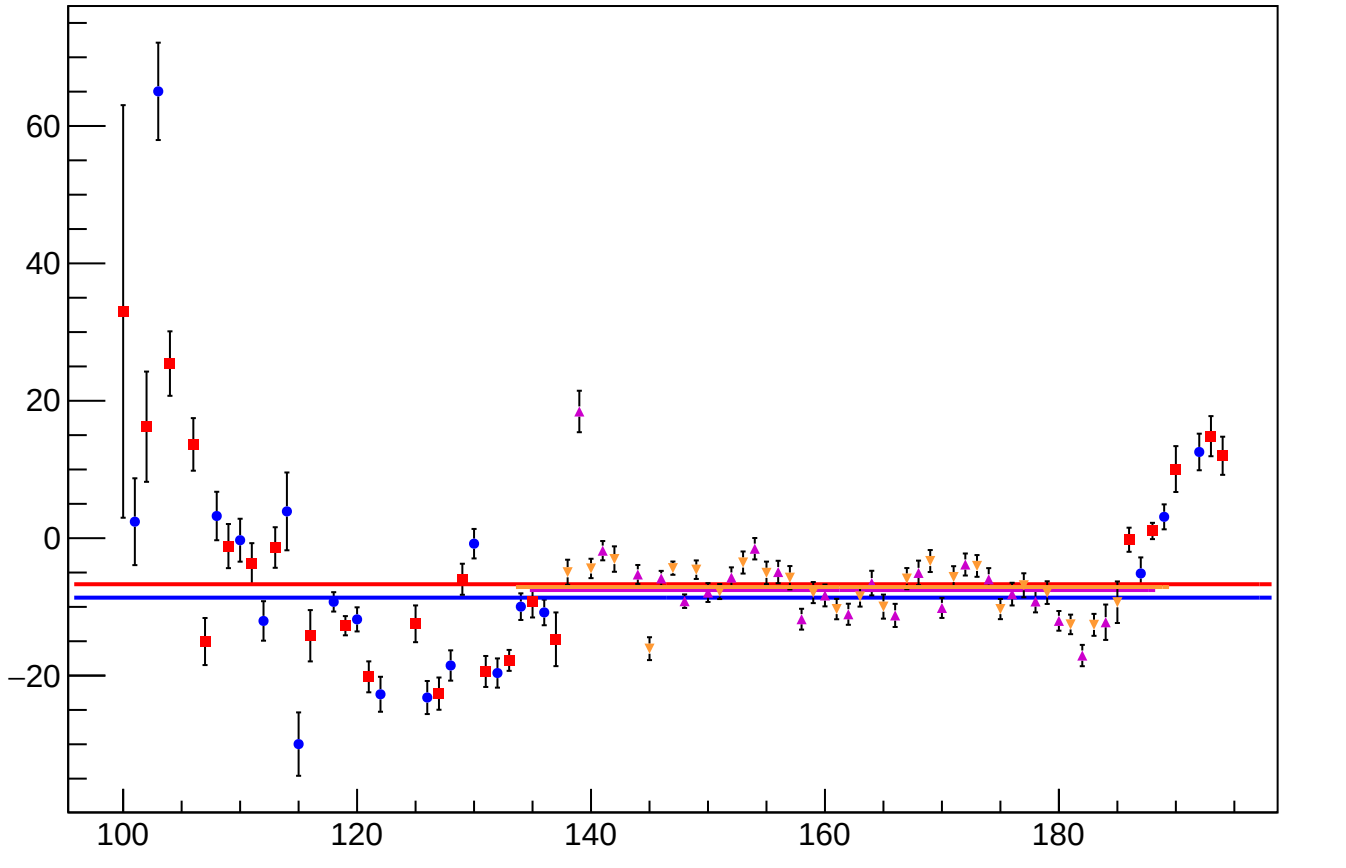
Right Out: -27.365+/-0.437 χ^2/NDF: 1328.3/22

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

+ sign -29.849+/-0.317 χ^2/NDF: 1161.6/42

All: -30.079+/-0.218 χ^2/NDF: 2948.1/88

- sign -30.284+/-0.300 χ^2/NDF: 1785.5/45



Right In: -8.655+/-0.542 χ^2/NDF: 397.3/18

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

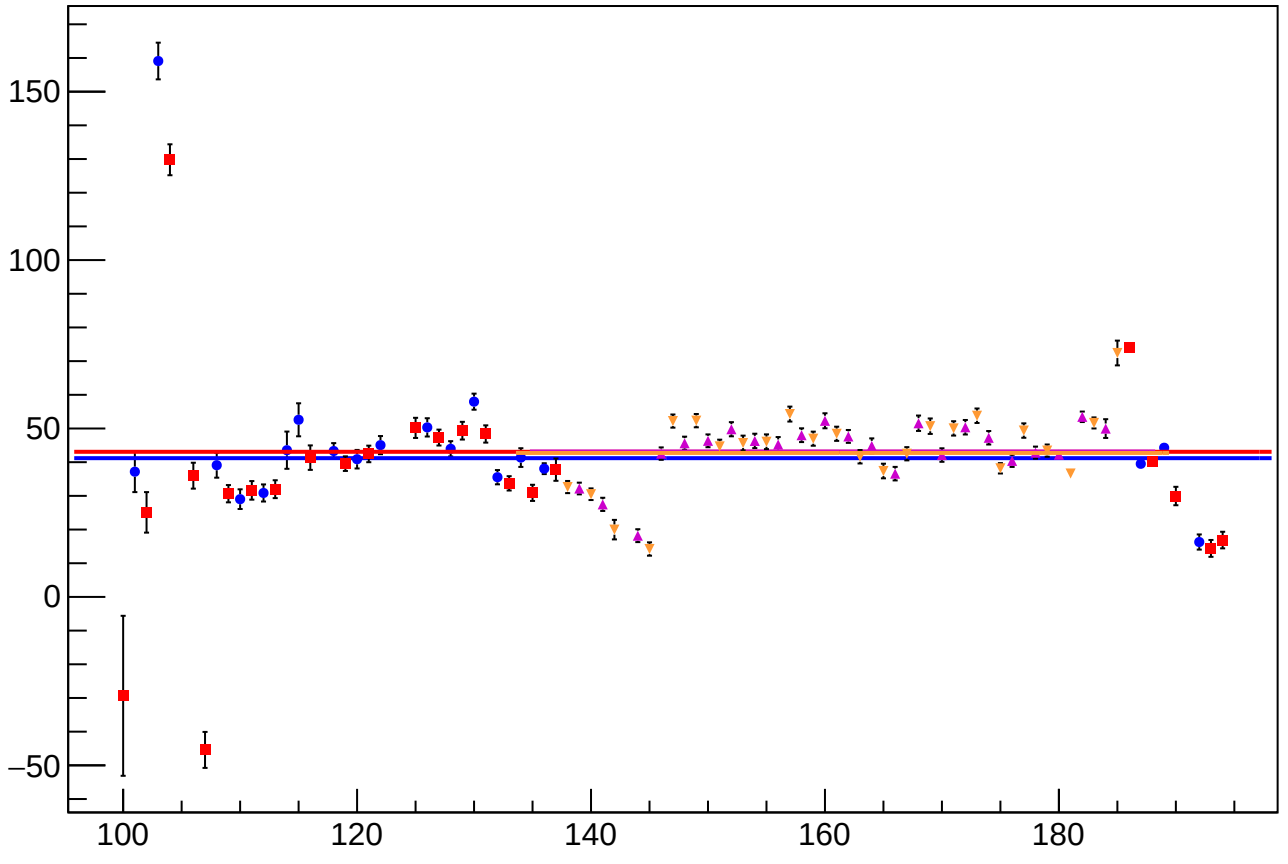
Right Out: -6.703+/-0.495 χ^2/NDF: 479.0/22

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -7.489+/-0.269 χ^2/NDF: 512.9/42

All: -7.395+/-0.189 χ^2/NDF: 1194.0/88

- sign -7.303+/-0.266 χ^2/NDF: 680.8/45



Right In: 41.191+/-0.524 χ^2/NDF: 714.4/18

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

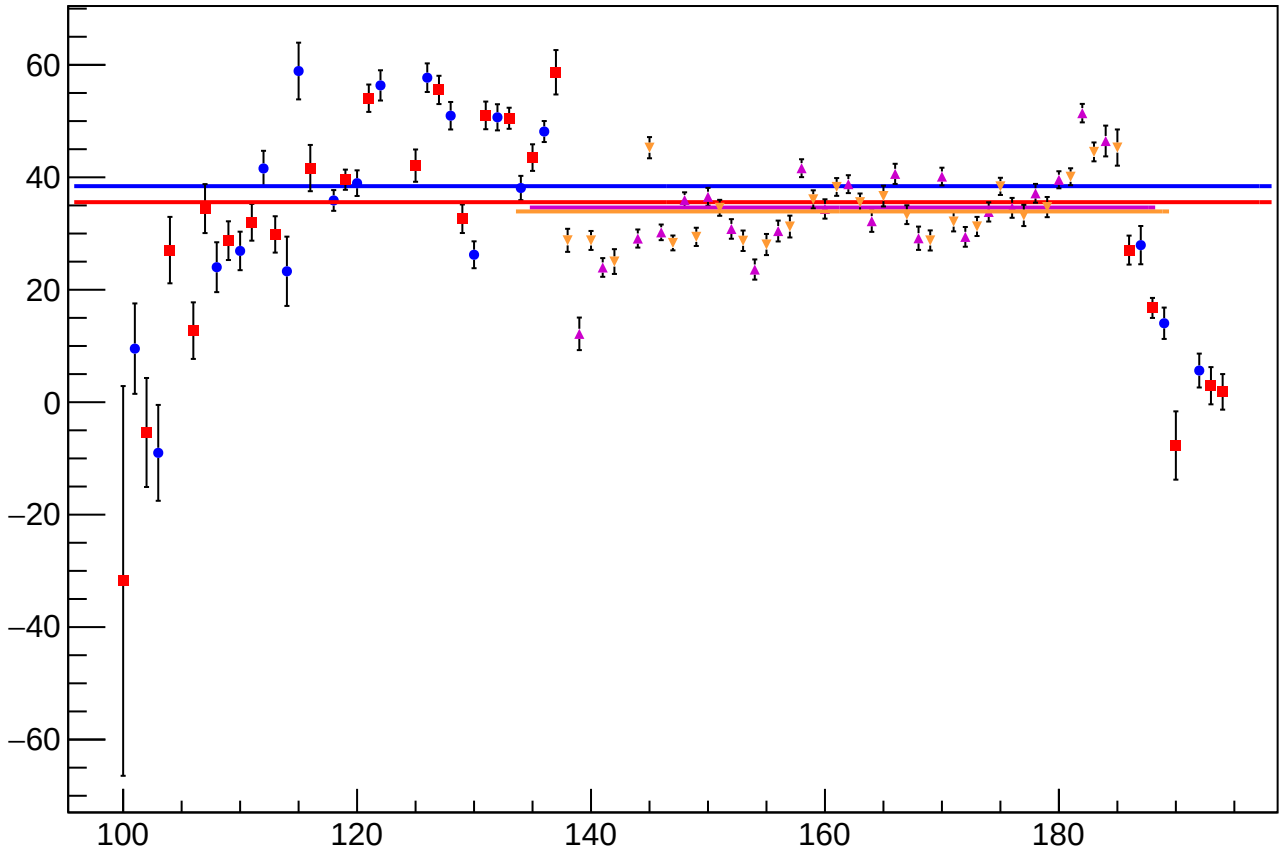
Right Out: 43.084+/-0.425 χ^2/NDF: 1820.3/22

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 42.167+/-0.320 χ^2/NDF: 1351.5/42

All: 42.688+/-0.216 χ^2/NDF: 3589.7/88

- sign 43.128+/-0.294 χ^2/NDF: 2233.4/45



Right In: 38.427+/-0.637 χ^2/NDF: 504.6/18

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

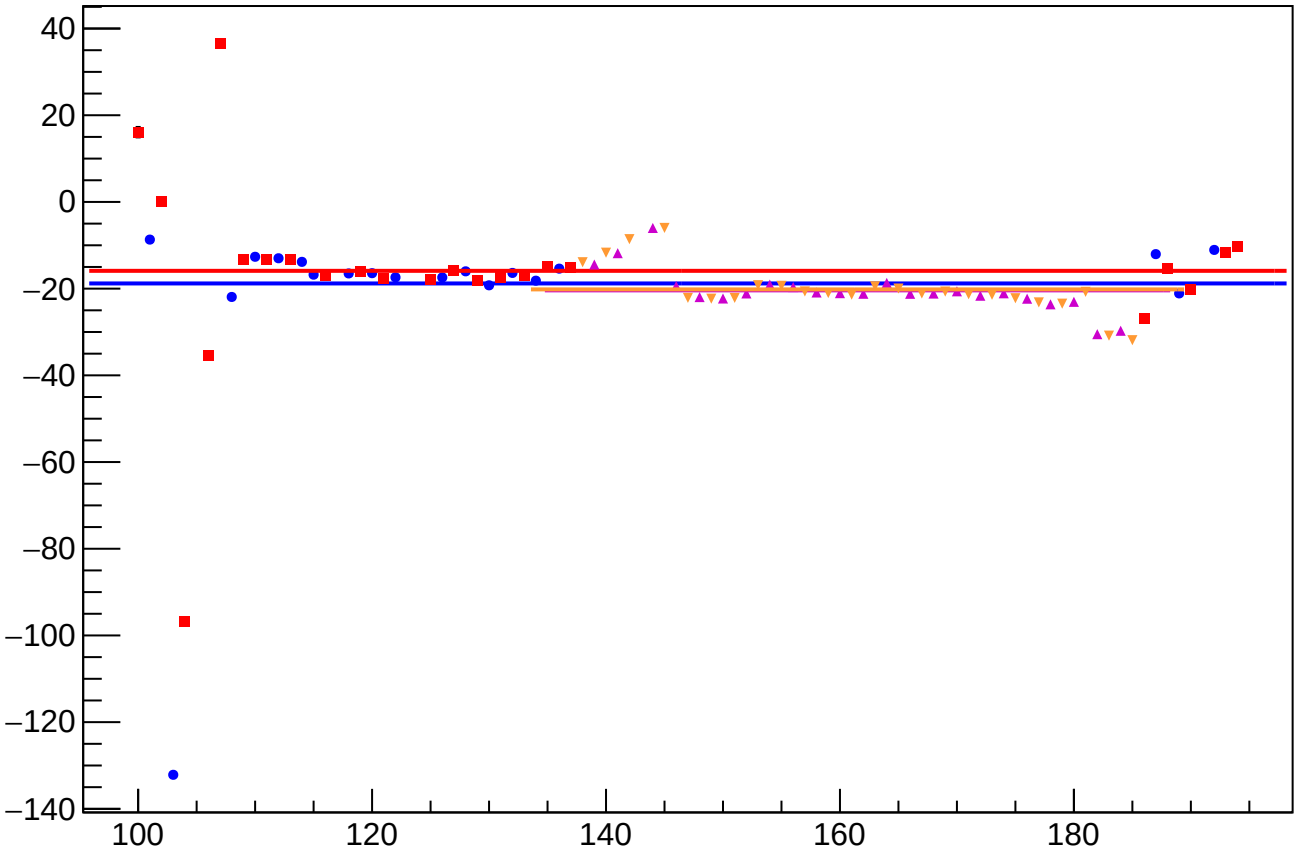
Right Out: 35.581+/-0.602 χ^2/NDF: 719.6/22

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

\+ sign 34.976+/-0.307 χ^2/NDF: 759.4/42

All: 34.924+/-0.217 χ^2/NDF: 1856.9/88

\- sign 34.871+/-0.307 χ^2/NDF: 1097.5/45



Right In: -18.802+/-0.036 χ^2/NDF: 255264.4/18

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

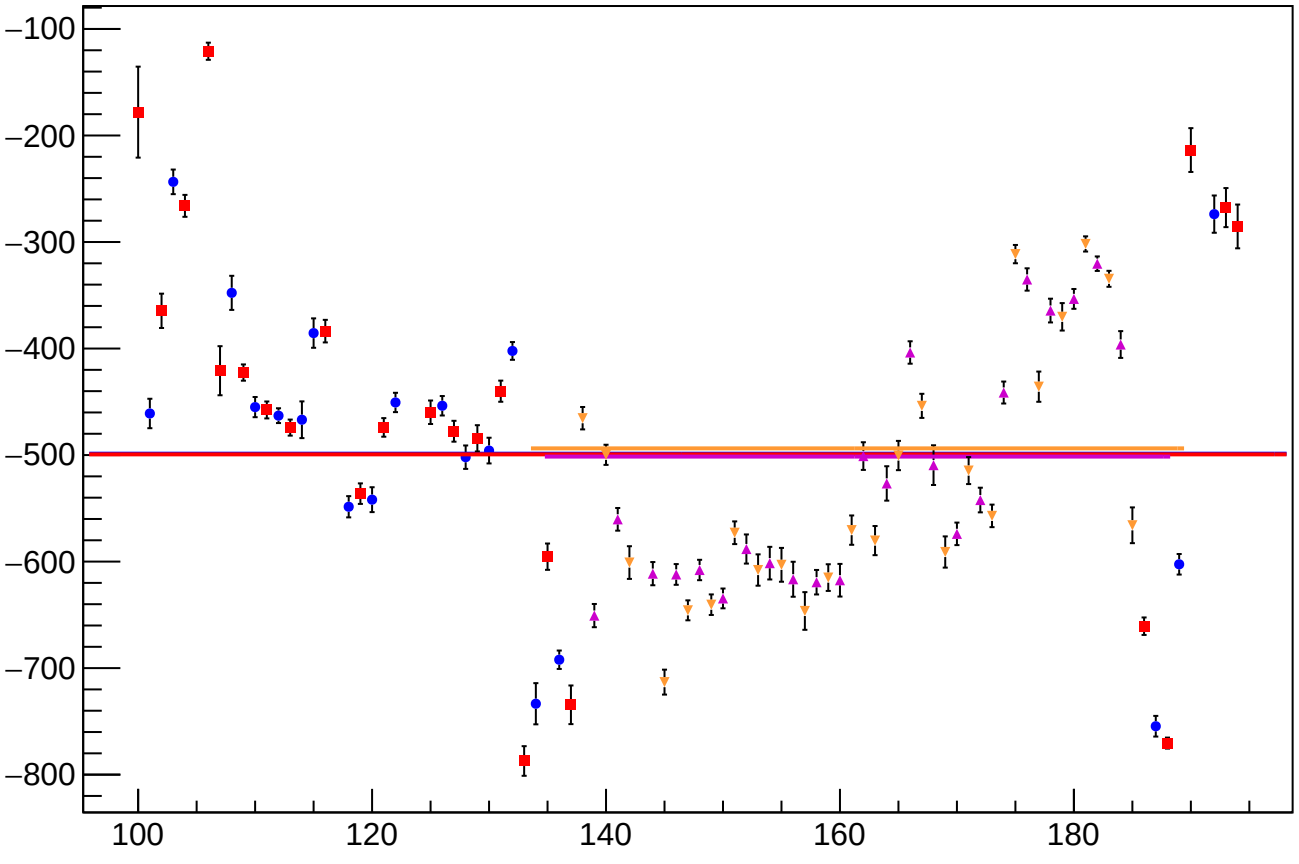
Right Out: -15.893+/-0.033 χ^2/NDF: 215056.4/22

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

\+ sign -19.954+/-0.014 χ^2/NDF: 356421.4/42

All: -19.763+/-0.010 χ^2/NDF: 667804.5/88

\- sign -19.576+/-0.014 χ^2/NDF: 311036.3/45



Right In: -498.710+/-2.434 χ^2/NDF: 2552.7/18

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

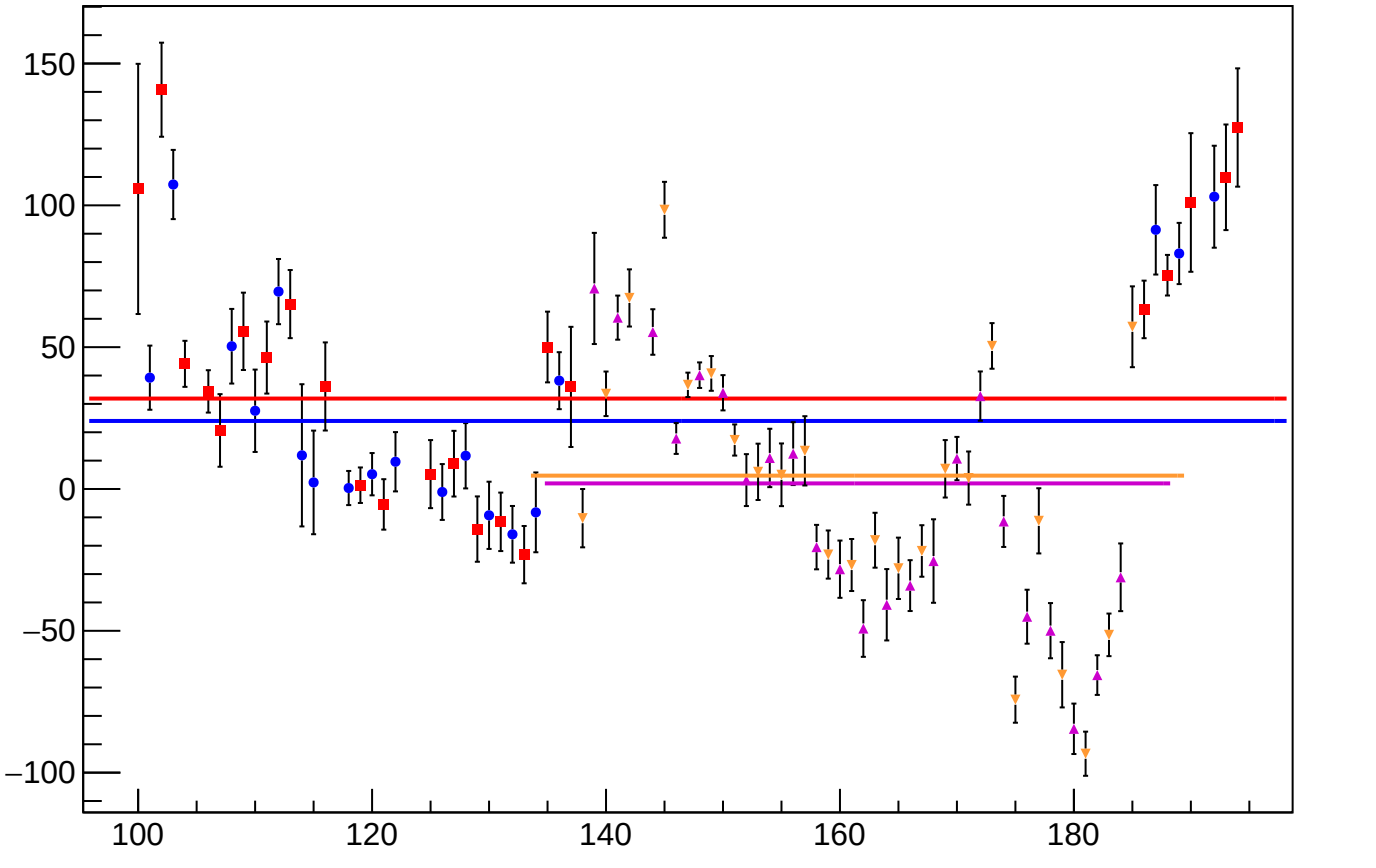
Right Out: -499.345+/-2.109 χ^2/NDF: 7458.8/22

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -496.070+/-1.670 χ^2/NDF: 5704.9/42

All: -498.329+/-1.138 χ^2/NDF: 15856.9/88

- sign -500.292+/-1.556 χ^2/NDF: 10148.6/45



Right In: 23.984+/-2.519 χ^2/NDF: 199.9/18

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

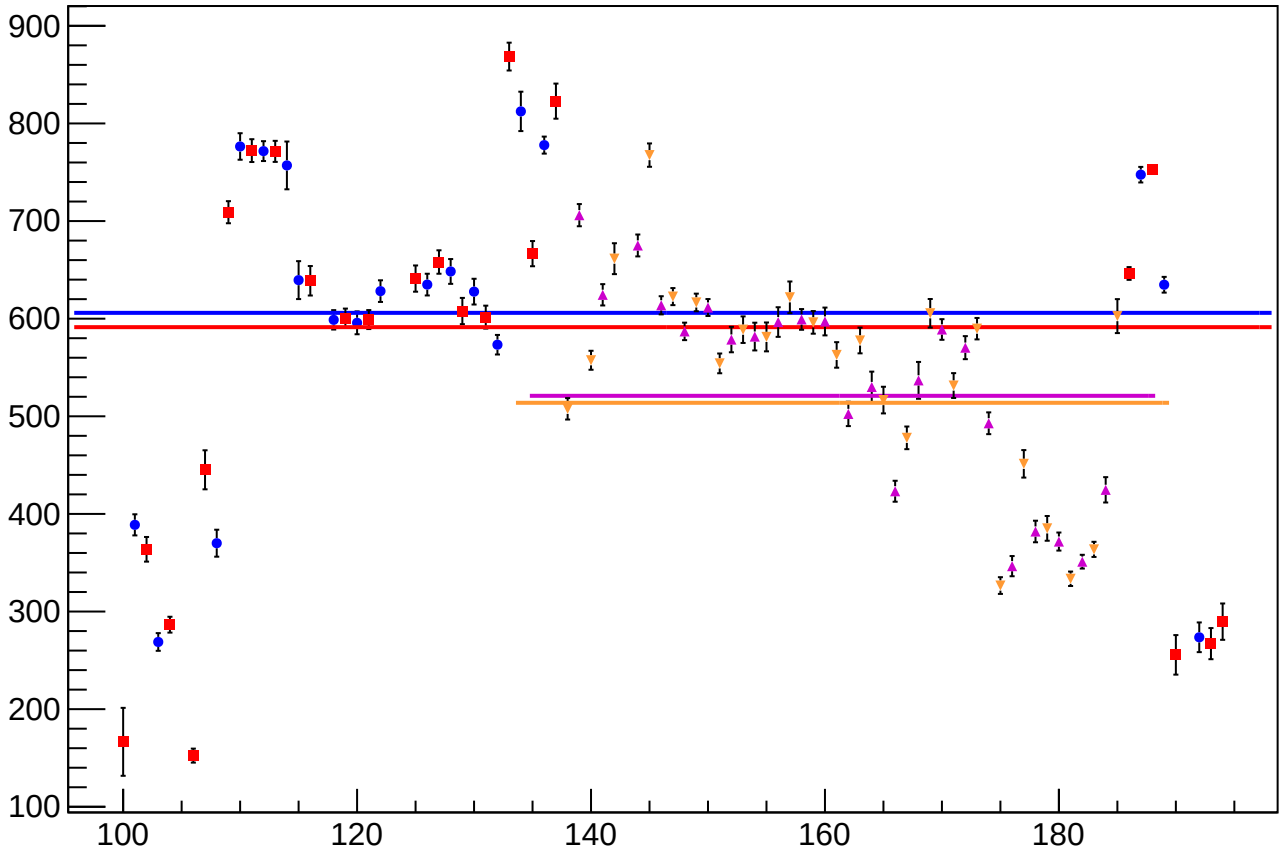
Right Out: 31.883+/-2.294 χ^2/NDF: 270.1/22

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

+ sign 10.720+/-1.407 χ^2/NDF: 920.5/42

All: 11.758+/-0.984 χ^2/NDF: 1861.2/88

- sign 12.752+/-1.377 χ^2/NDF: 939.7/45



Right In: 605.976+/-2.566 χ^2/NDF: 3877.8/18

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

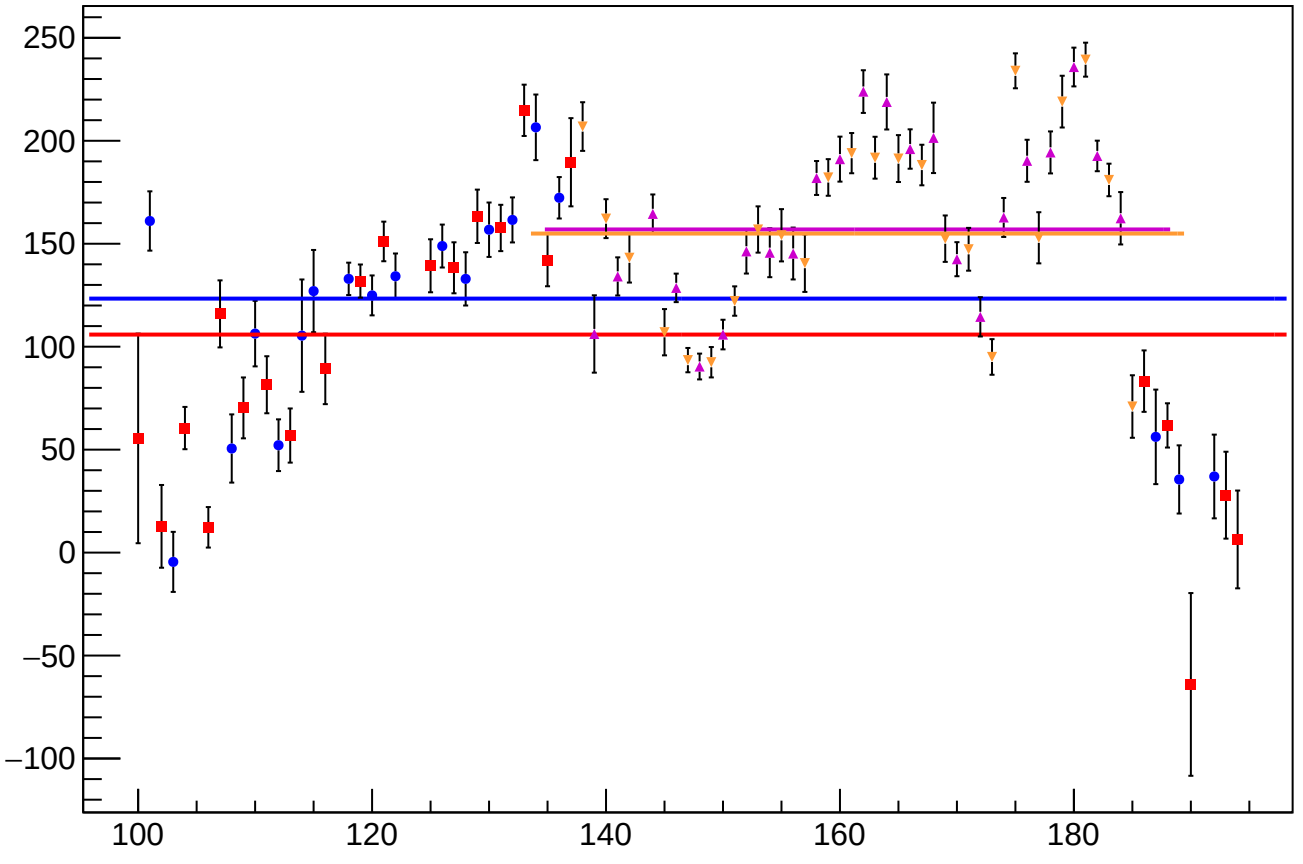
Right Out: 591.321+/-2.116 χ^2/NDF: 9483.1/22

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

\+ sign 554.430+/-1.703 χ^2/NDF: 7334.9/42

All: 556.833+/-1.147 χ^2/NDF: 19774.9/88

\- sign 558.828+/-1.552 χ^2/NDF: 12436.4/45



Right In: 123.353+/-2.970 χ^2/NDF: 270.1/18

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

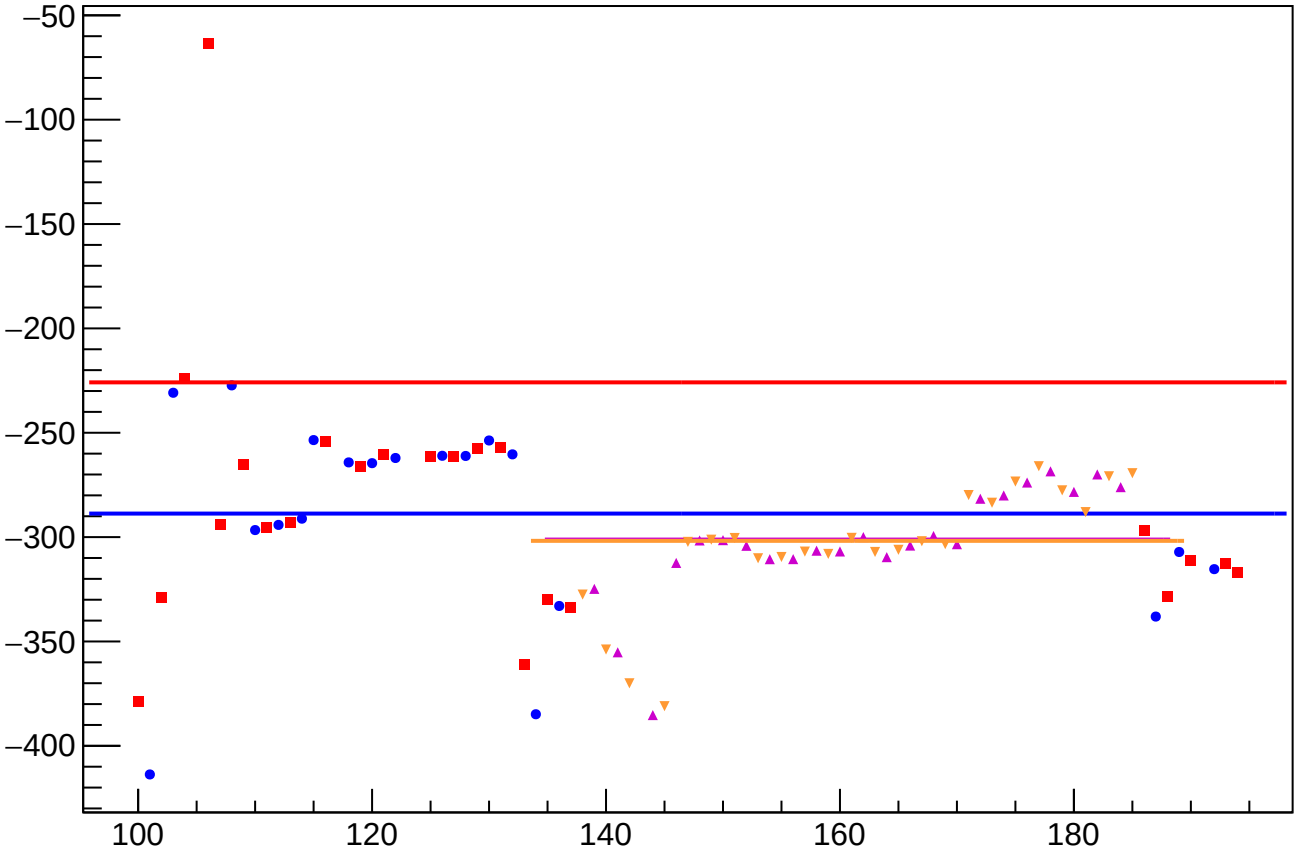
Right Out: 105.886+/-2.767 χ^2/NDF: 408.5/22

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 145.409+/-1.632 χ^2/NDF: 958.0/42

All: 142.534+/-1.144 χ^2/NDF: 2041.6/88

- sign 139.752+/-1.606 χ^2/NDF: 1077.4/45



Right In: -288.724+/-0.166 χ^2/NDF: 108639.0/18

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -225.857+/-0.136 χ^2/NDF: 626401.7/22

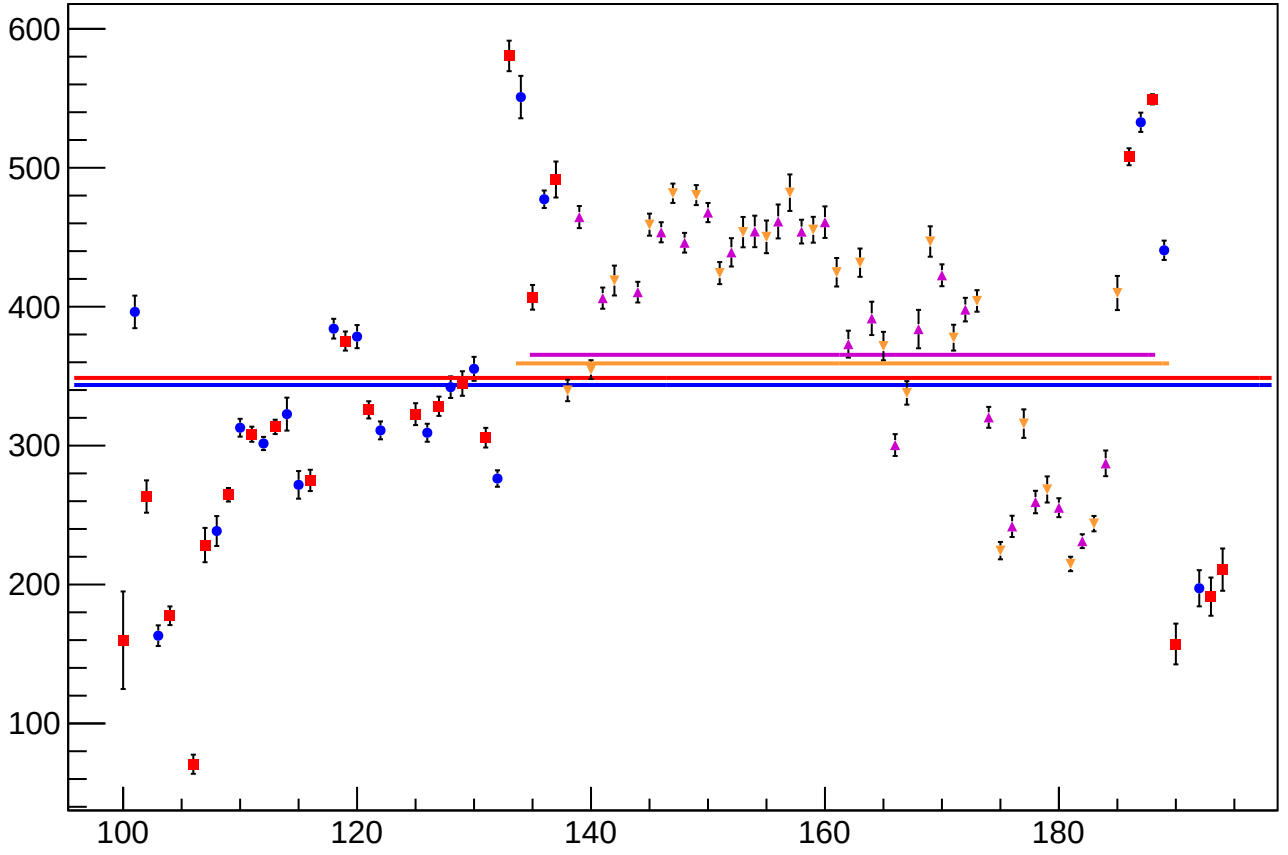
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -298.768+/-0.080 χ^2/NDF: 200139.2/42

All: -287.906+/-0.055 χ^2/NDF: 1150140.7/88

- sign -278.247+/-0.075 χ^2/NDF: 914836.2/45

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

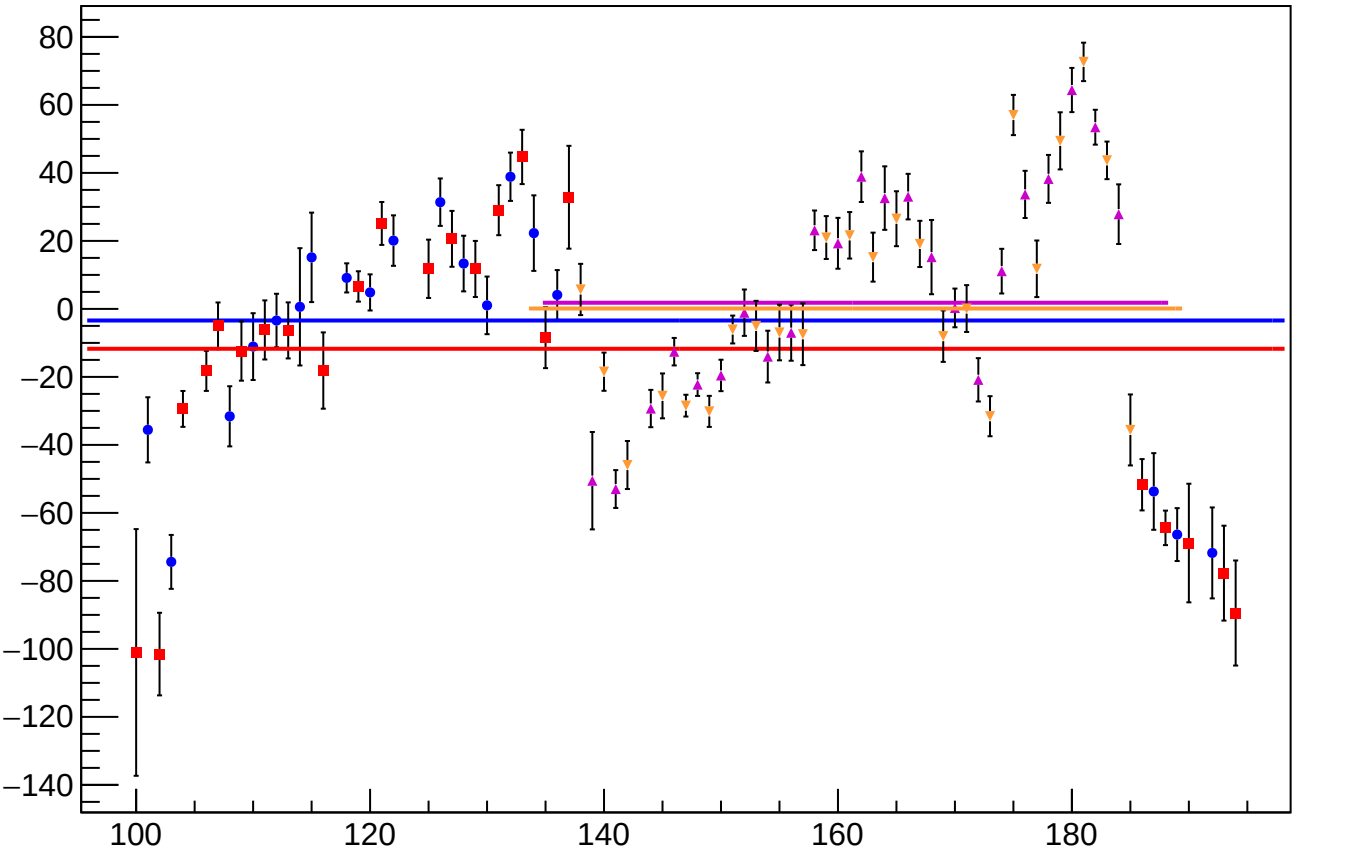
Right Out: 348.738+/-1.493 χ^2/NDF: 7731.8/22

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 351.594+/-1.203 χ^2/NDF: 6026.0/42

All: 353.962+/-0.820 χ^2/NDF: 16558.8/88

- sign 356.014+/-1.120 χ^2/NDF: 10525.6/45



Right In: -3.409+/-1.798 χ^2/NDF: 307.9/18

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

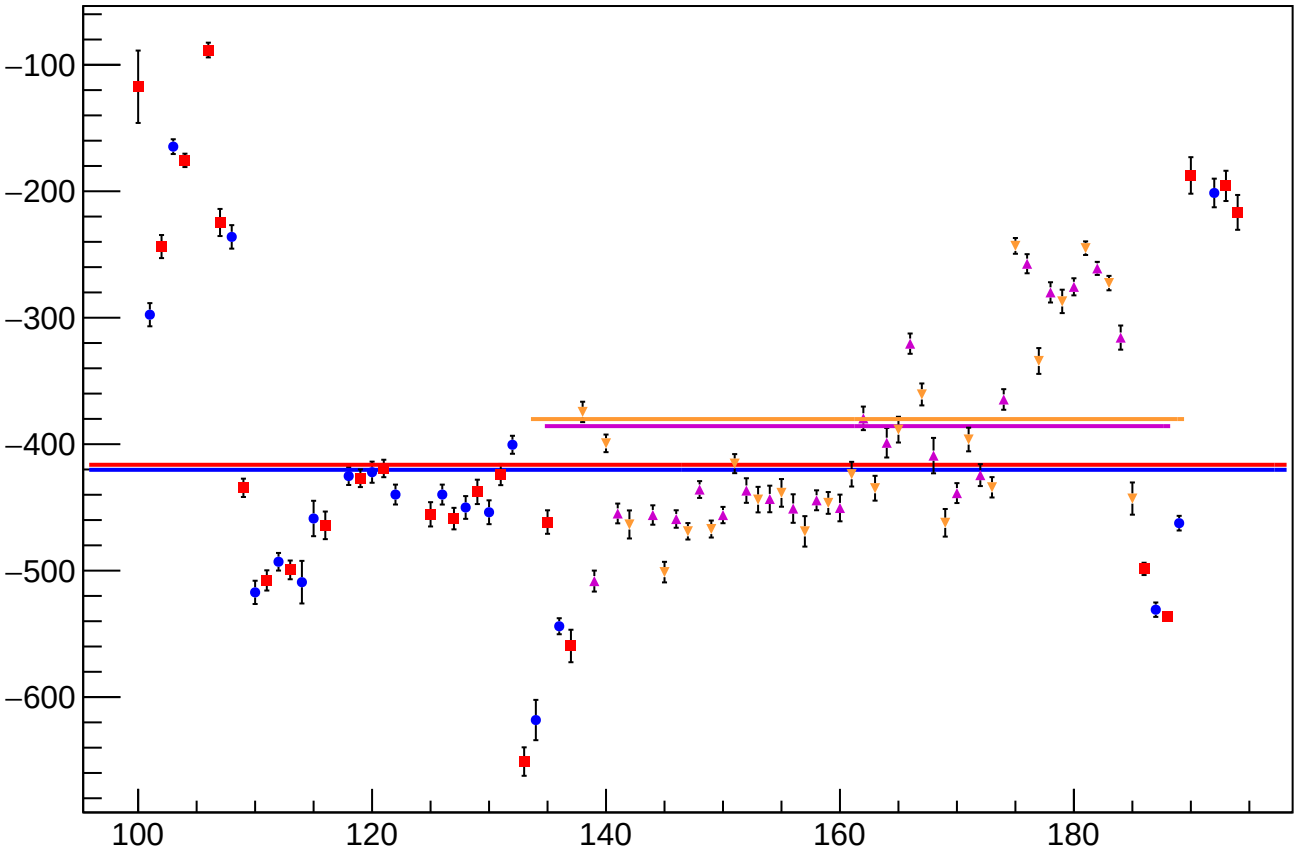
Right Out: -11.730+/-1.621 χ^2/NDF: 441.0/22

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

+ sign -1.030+/-1.025 χ^2/NDF: 948.4/42

All: -2.207+/-0.715 χ^2/NDF: 2012.4/88

- sign -3.324+/-0.998 χ^2/NDF: 1061.4/45



Right In: -420.275+/-1.823 χ^2/NDF: 4122.0/18

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

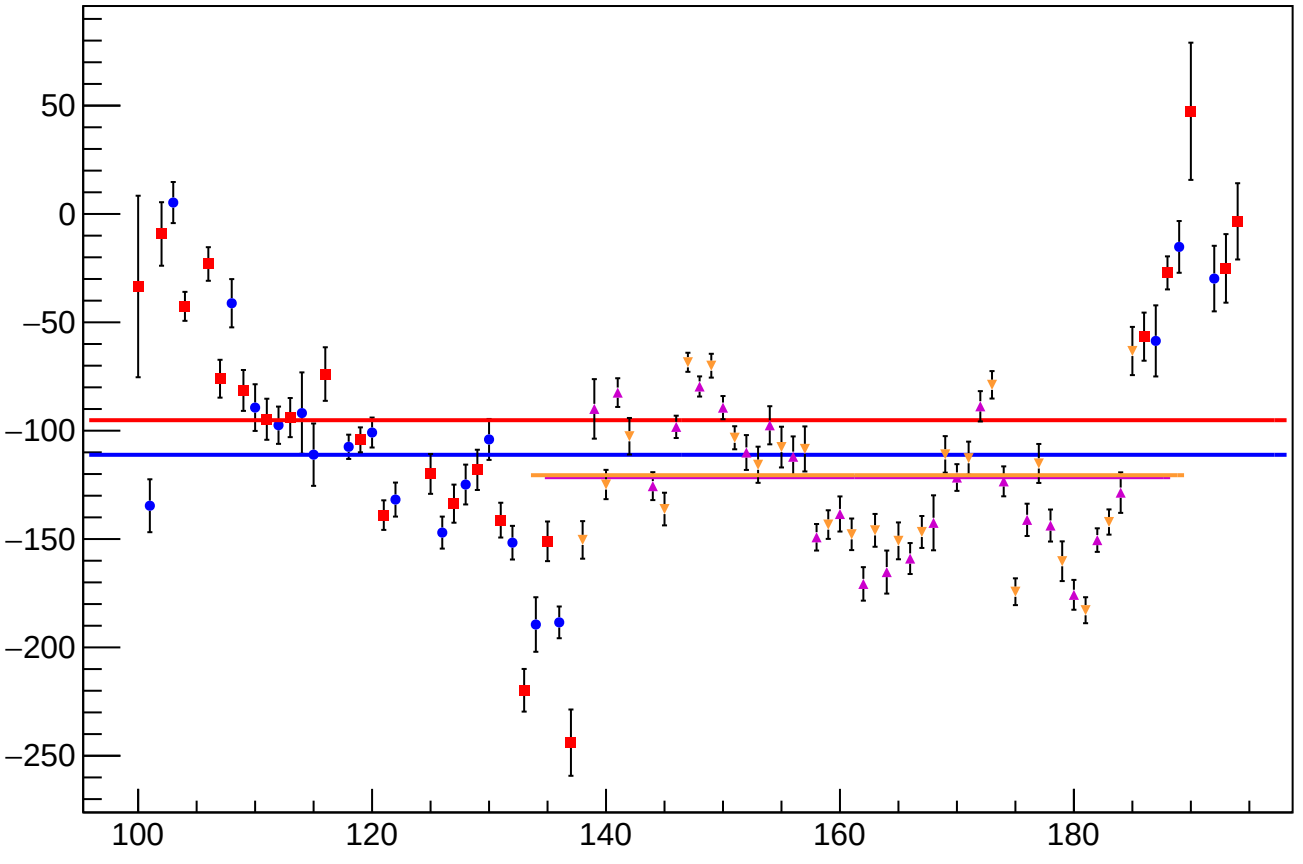
Right Out: -416.286+/-1.506 χ^2/NDF: 9704.4/22

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -398.451+/-1.231 χ^2/NDF: 7004.1/42

All: -400.741+/-0.829 χ^2/NDF: 19259.9/88

- sign -402.638+/-1.121 χ^2/NDF: 12249.4/45



Right In: -111.130+/-2.119 χ^2/NDF: 518.7/18

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

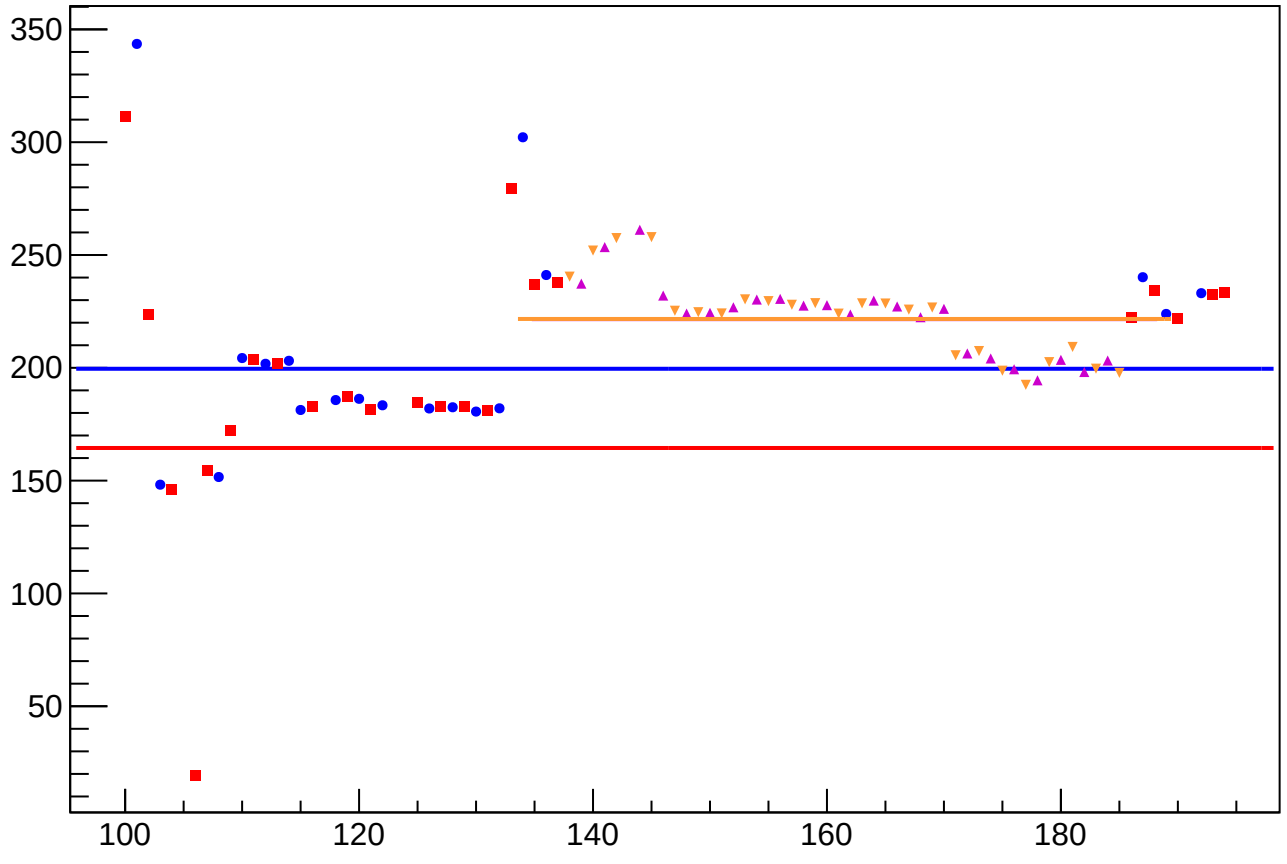
Right Out: -95.161+/-1.953 χ^2/NDF: 754.9/22

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -117.581+/-1.188 χ^2/NDF: 1143.7/42

All: -114.789+/-0.832 χ^2/NDF: 2458.9/88

- sign -112.110+/-1.164 χ^2/NDF: 1304.4/45



Right In: 199.577+/-0.117 χ^2/NDF: 186872.7/18

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

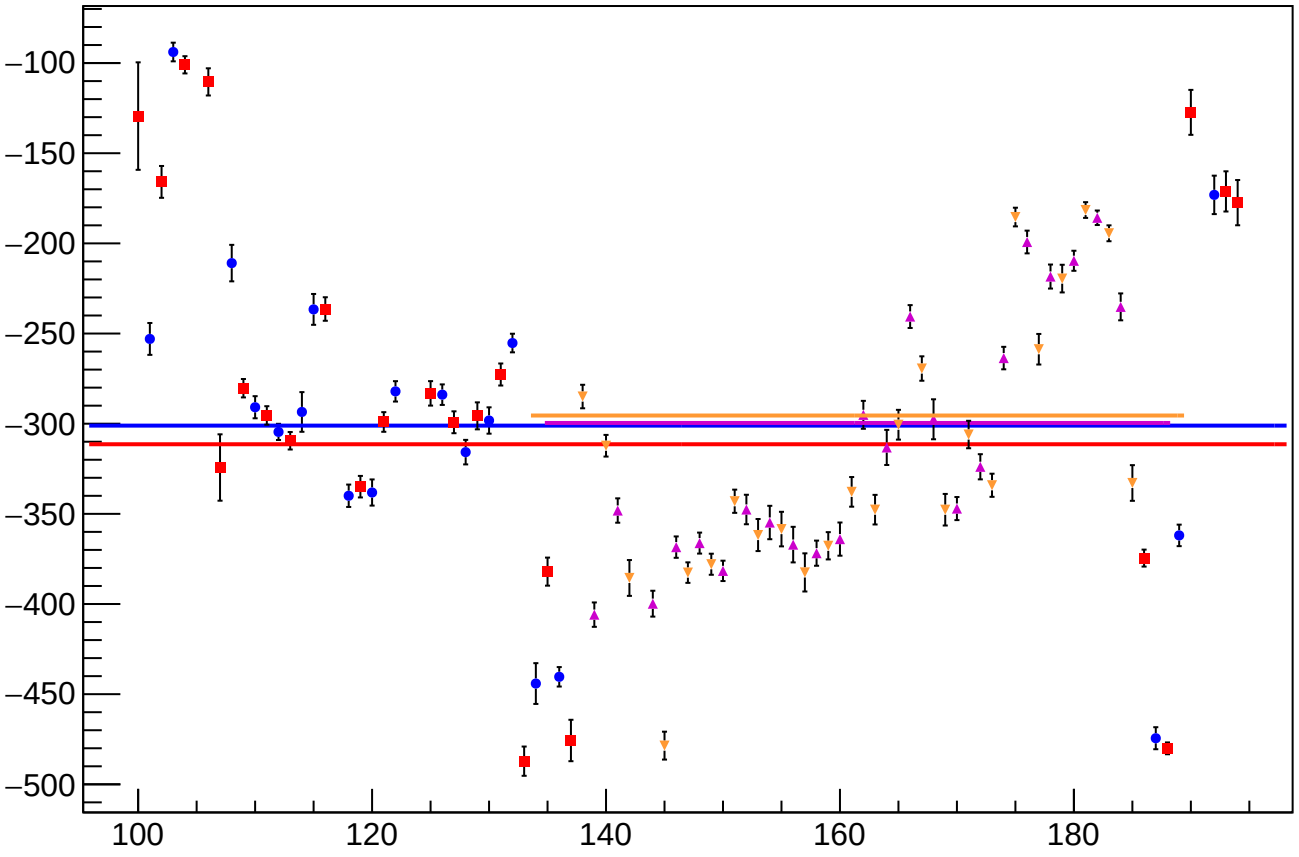
Right Out: 164.466+/-0.101 χ^2/NDF: 589795.6/22

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 216.236+/-0.058 χ^2/NDF: 280976.5/42

All: 209.991+/-0.040 χ^2/NDF: 1180153.3/88

- sign 204.298+/-0.055 χ^2/NDF: 876954.9/45



Right In: -301.066+/-1.492 χ^2/NDF: 3822.0/18

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -311.400+/-1.319 χ^2/NDF: 7296.2/22

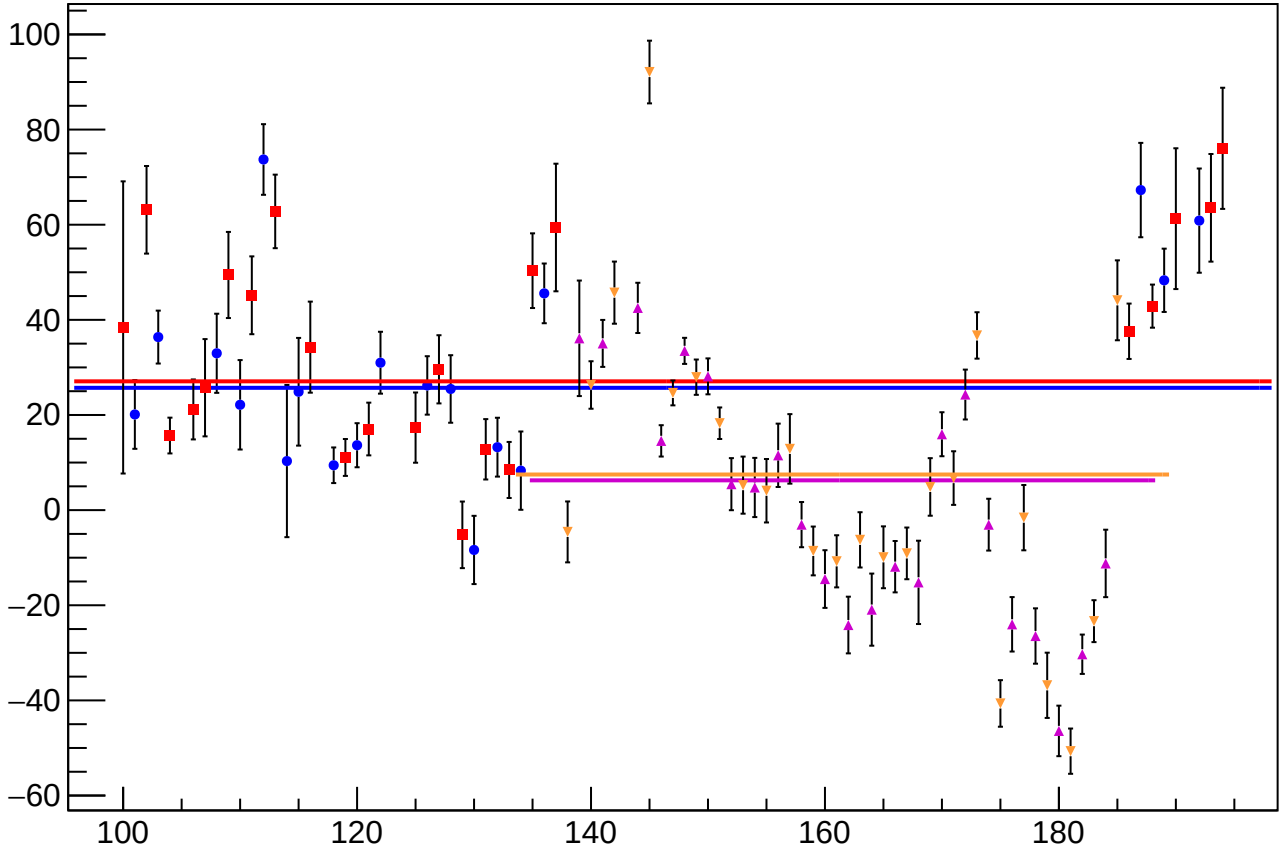
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -298.072+/-1.018 χ^2/NDF: 7175.8/42

All: -302.183+/-0.698 χ^2/NDF: 17512.3/88

- sign -305.831+/-0.959 χ^2/NDF: 10305.7/45

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: 27.074+/-1.411 χ^2/NDF: 177.5/22

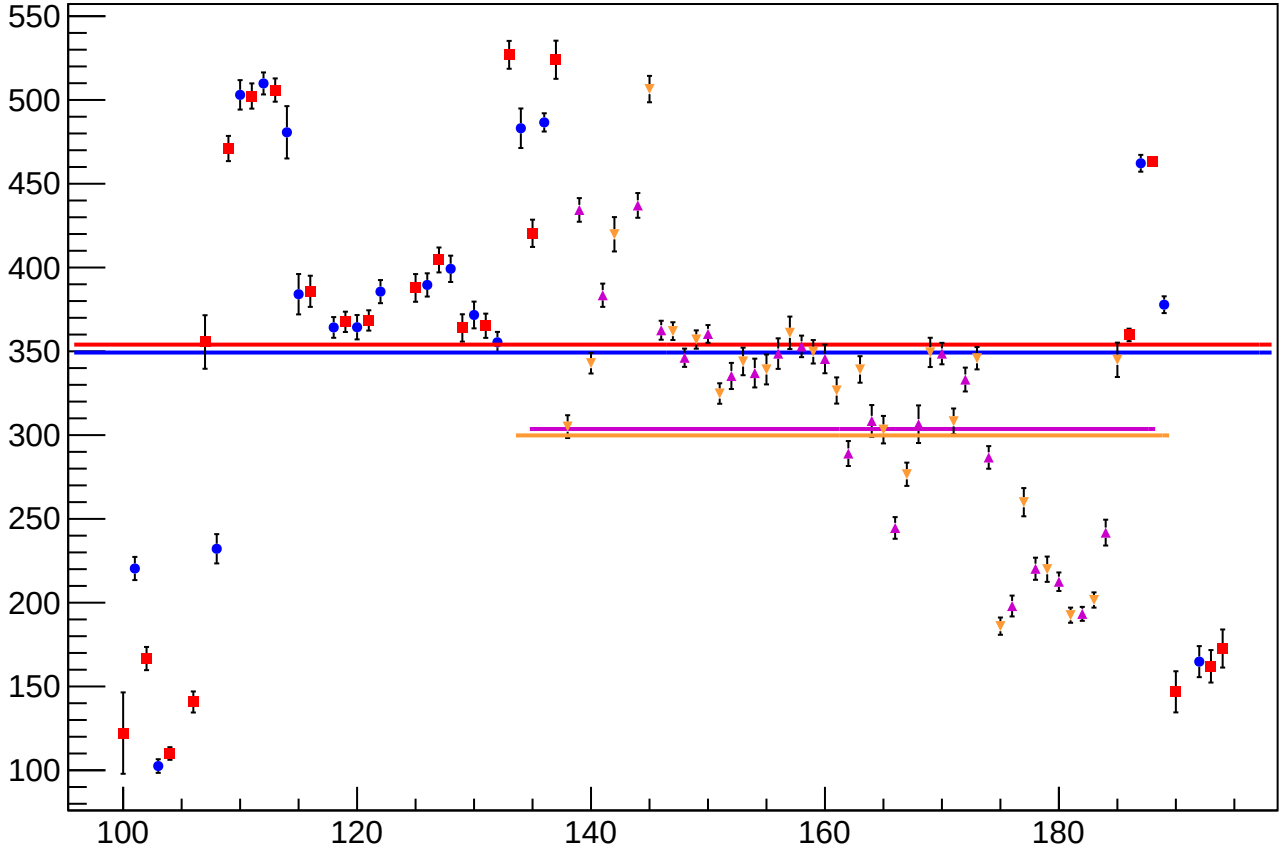
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

+ sign 13.117+/-0.856 χ^2/NDF: 990.1/42

All: 13.381+/-0.599 χ^2/NDF: 1867.8/88

- sign 13.635+/-0.840 χ^2/NDF: 877.5/45

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: 354.001+/-1.304 χ^2/NDF: 10743.2/22

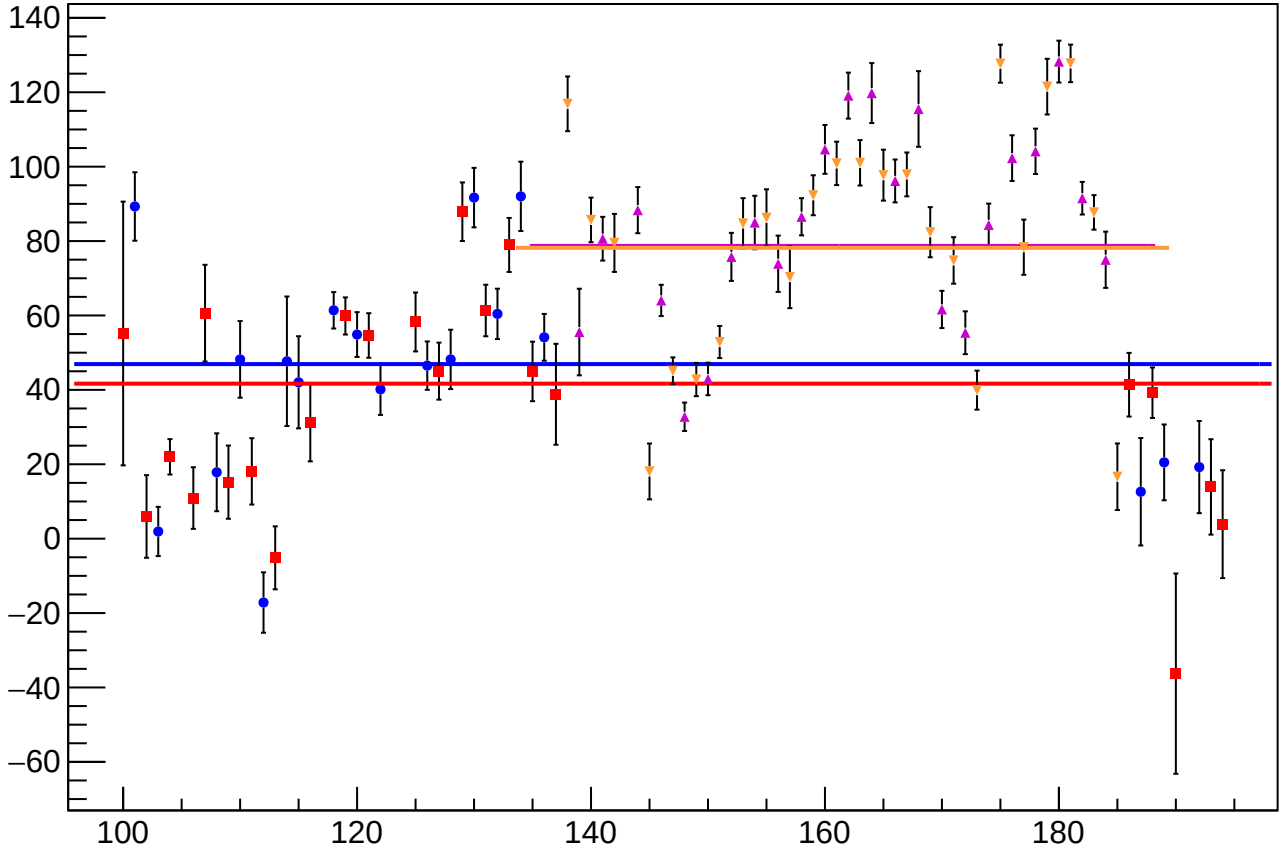
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 321.771+/-1.030 χ^2/NDF: 10660.1/42

All: 326.388+/-0.698 χ^2/NDF: 25015.1/88

- sign 330.305+/-0.949 χ^2/NDF: 14317.8/45

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

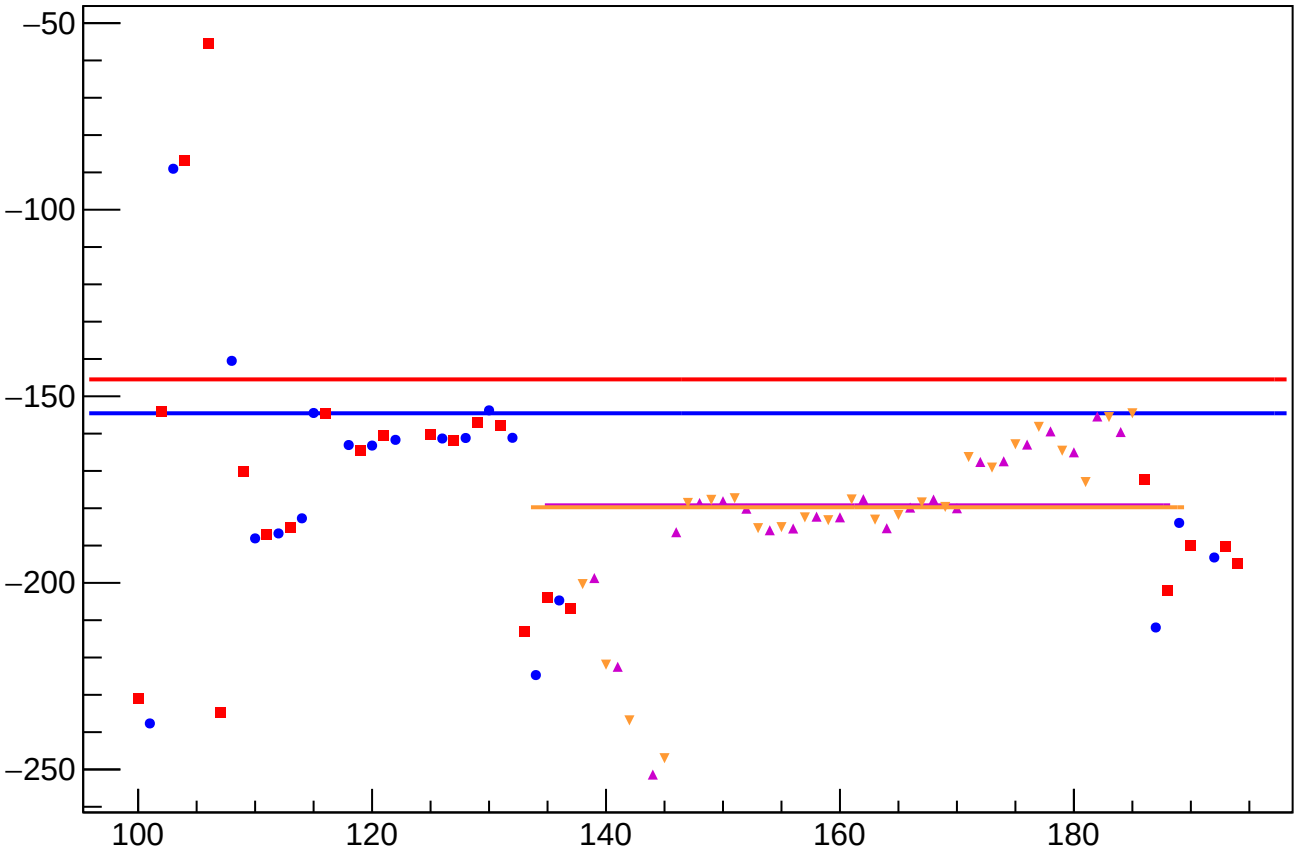
Right Out: 41.667+/-1.703 χ^2/NDF: 200.9/22

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 68.854+/-0.992 χ^2/NDF: 1097.7/42

All: 67.646+/-0.697 χ^2/NDF: 2106.8/88

- sign 66.473+/-0.978 χ^2/NDF: 1006.2/45



Right In: -154.550+/-0.095 χ^2/NDF: 277625.7/18

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

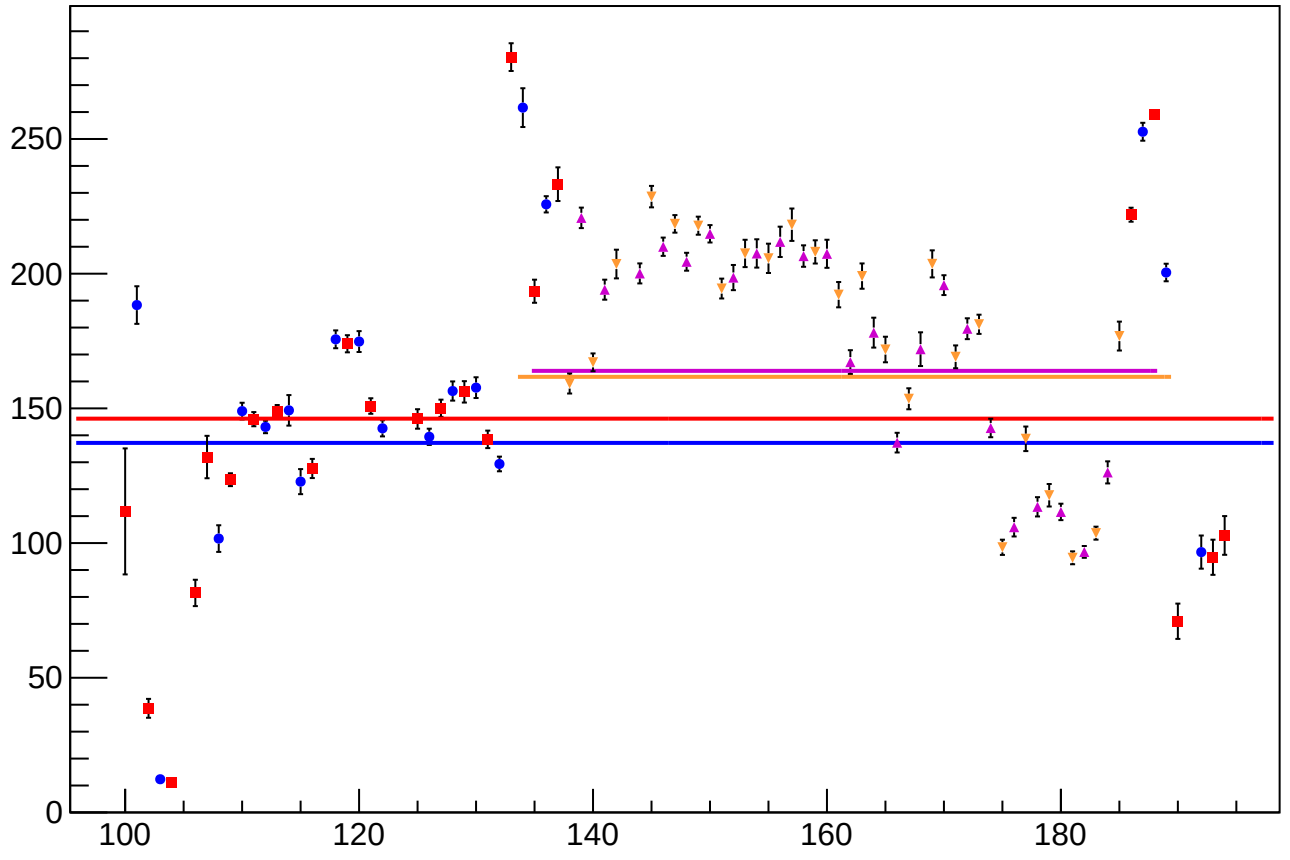
Right Out: -145.470+/-0.088 χ^2/NDF: 381544.3/22

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -173.403+/-0.048 χ^2/NDF: 462582.8/42

All: -171.555+/-0.033 χ^2/NDF: 1067493.7/88

- sign -169.805+/-0.046 χ^2/NDF: 601974.6/45



Right In: 137.185+/-0.760 χ^2/NDF: 7945.3/18

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

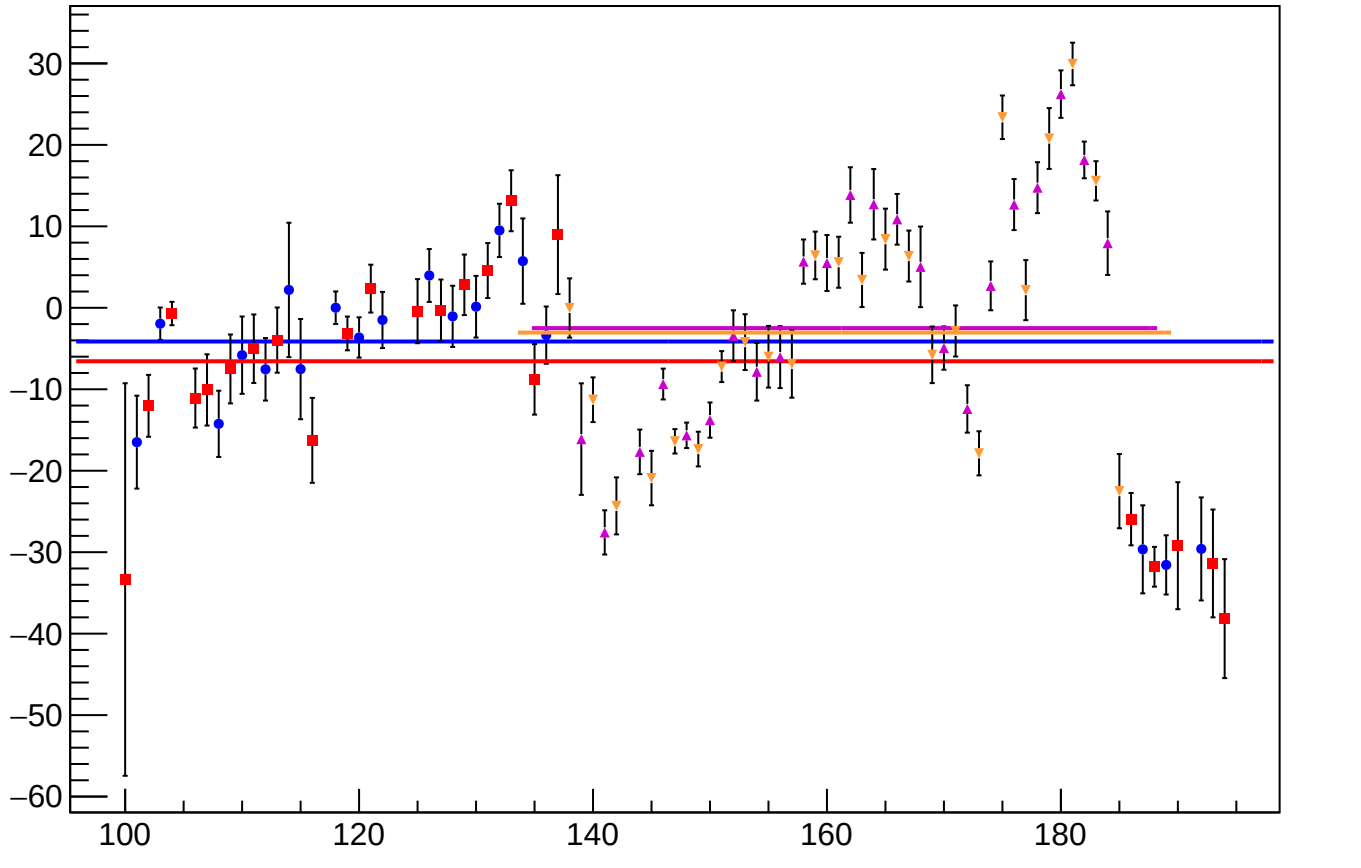
Right Out: 146.187+/-0.673 χ^2/NDF: 13005.7/22

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 149.185+/-0.543 χ^2/NDF: 12042.3/42

All: 151.624+/-0.372 χ^2/NDF: 28718.1/88

- sign 153.771+/-0.510 χ^2/NDF: 16637.9/45



Right In: -4.137+/-0.796 χ^2/NDF: 143.4/18

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

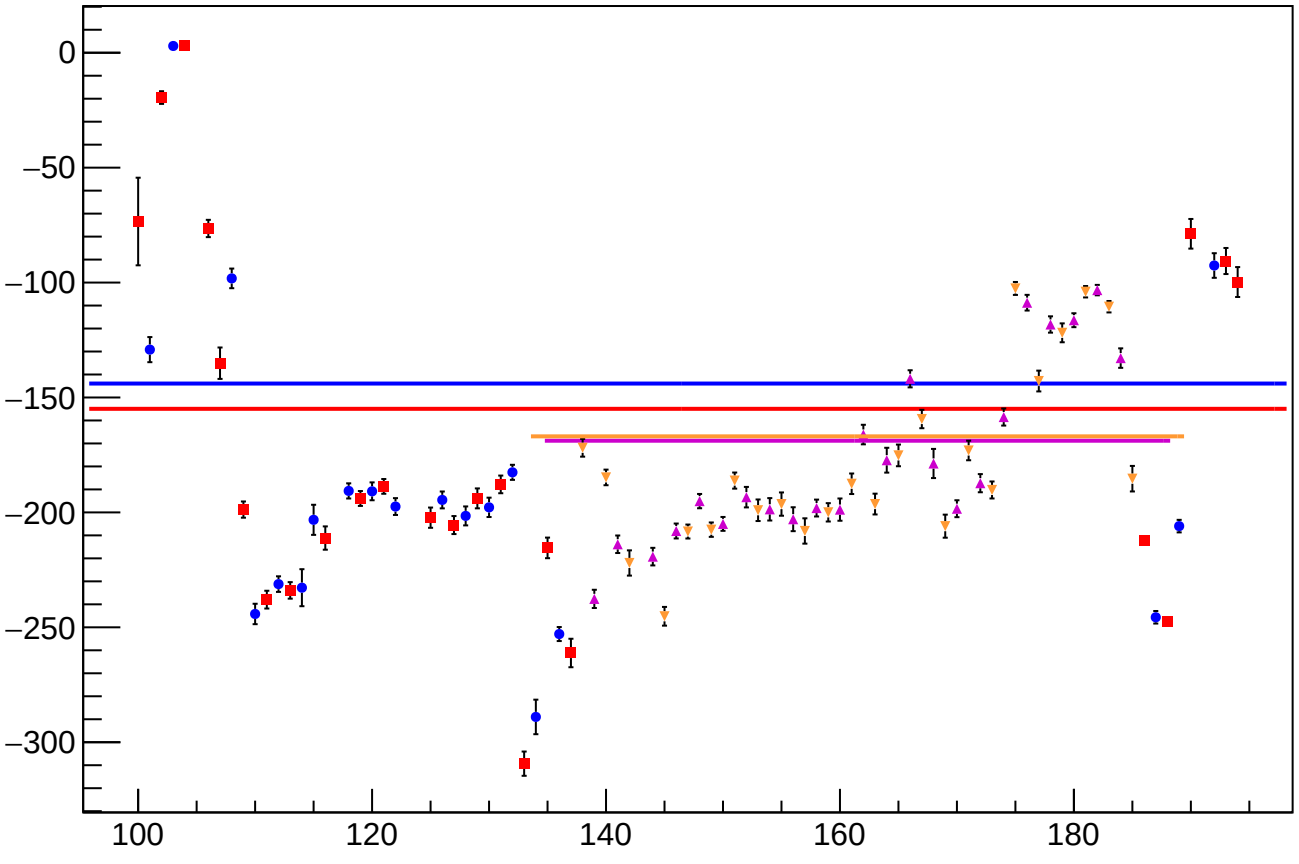
Right Out: -6.562+/-0.706 χ^2/NDF: 277.7/22

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

+ sign -3.417+/-0.468 χ^2/NDF: 799.1/42

All: -3.800+/-0.325 χ^2/NDF: 1660.6/88

- sign -4.156+/-0.451 χ^2/NDF: 860.2/45



Right In: -143.936+/-0.767 χ^2/NDF: 16973.2/18

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

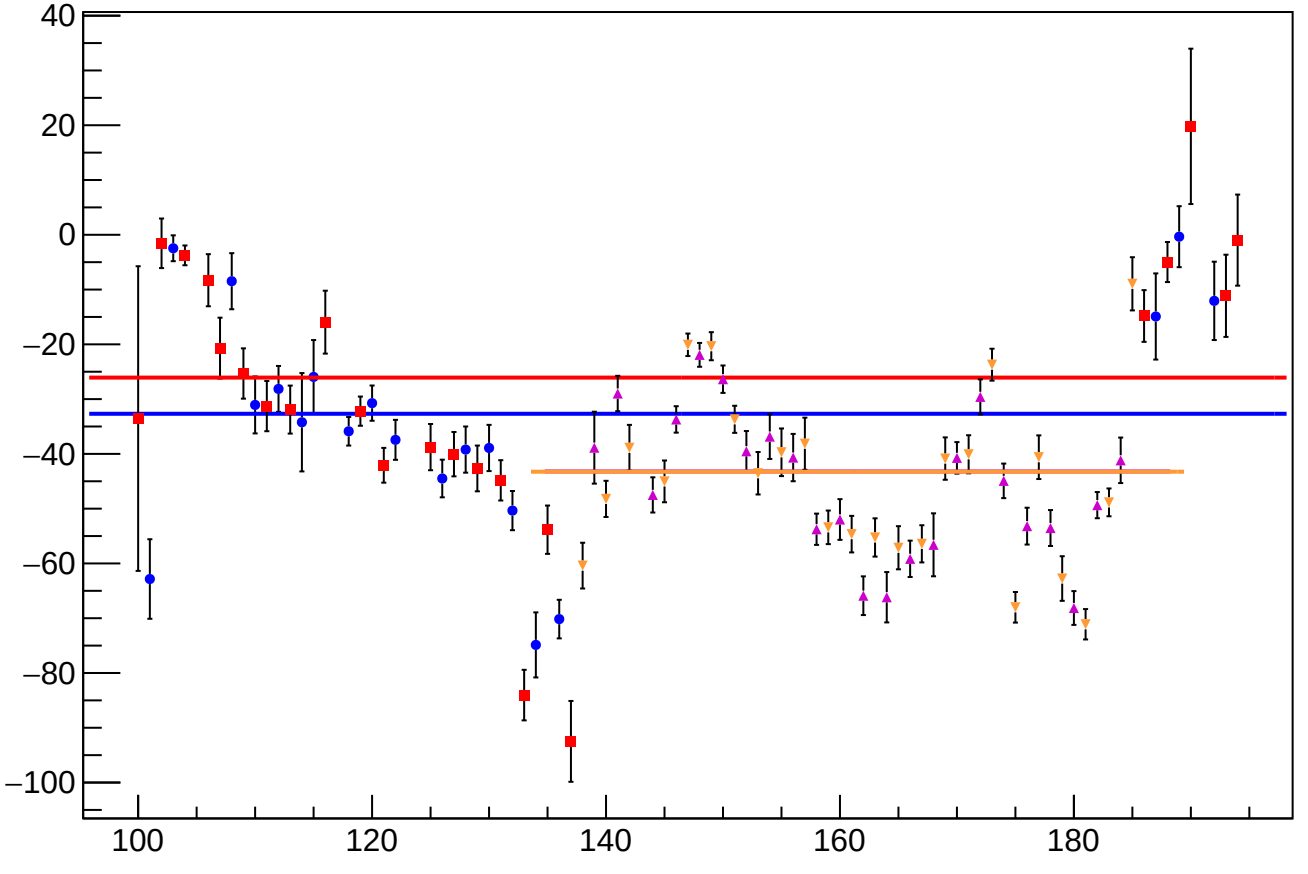
Right Out: -154.934+/-0.656 χ^2/NDF: 23500.6/22

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -155.370+/-0.544 χ^2/NDF: 20515.7/42

All: -158.284+/-0.368 χ^2/NDF: 47316.3/88

- sign -160.747+/-0.500 χ^2/NDF: 26747.6/45



Right In: -32.677+/-0.938 χ^2/NDF: 461.2/18

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

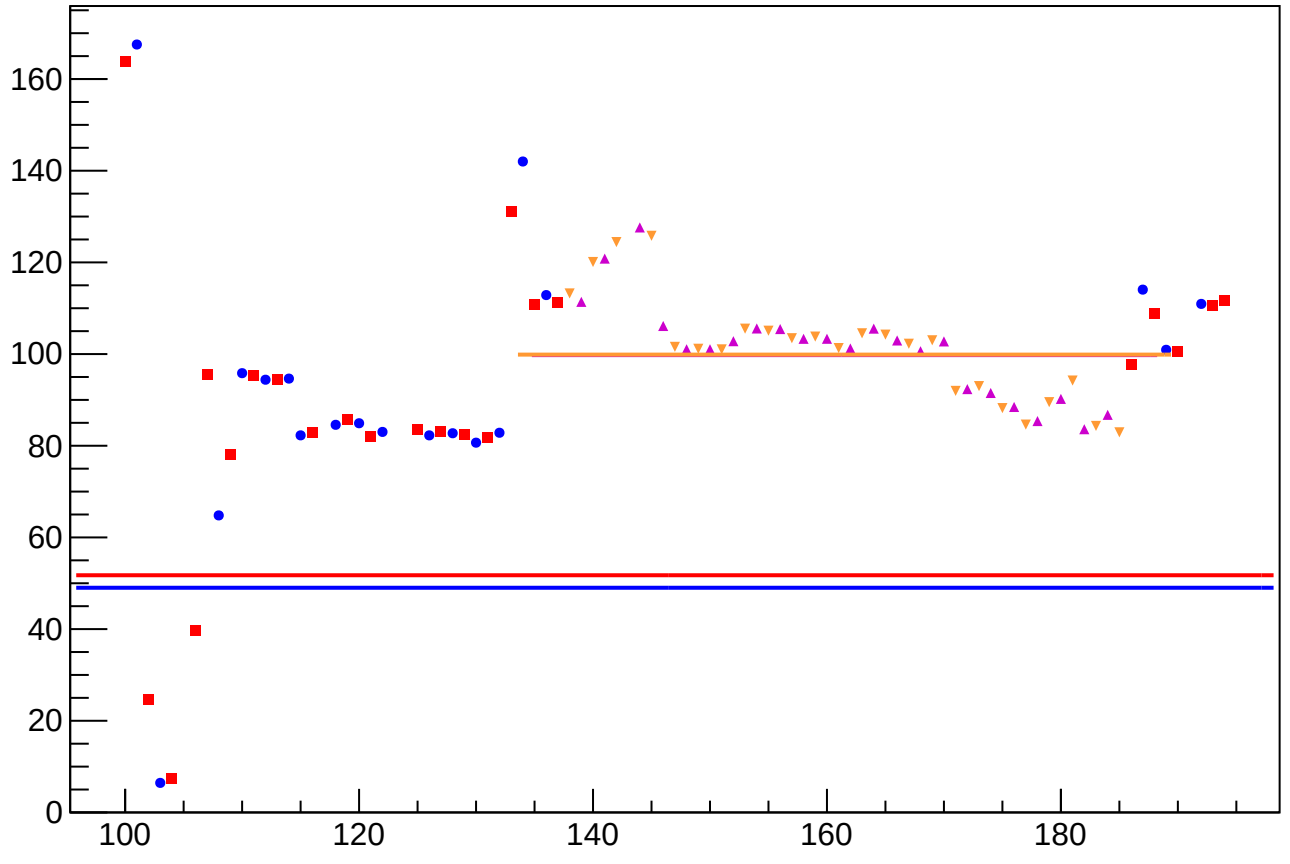
Right Out: -26.072+/-0.854 χ^2/NDF: 637.6/22

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -39.723+/-0.542 χ^2/NDF: 1156.0/42

All: -38.156+/-0.378 χ^2/NDF: 2465.0/88

- sign -36.674+/-0.527 χ^2/NDF: 1292.8/45



Right In: 49.020+/-0.043 χ^2/NDF: 1234757.6/18

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 51.749+/-0.042 χ^2/NDF: 1086162.5/22

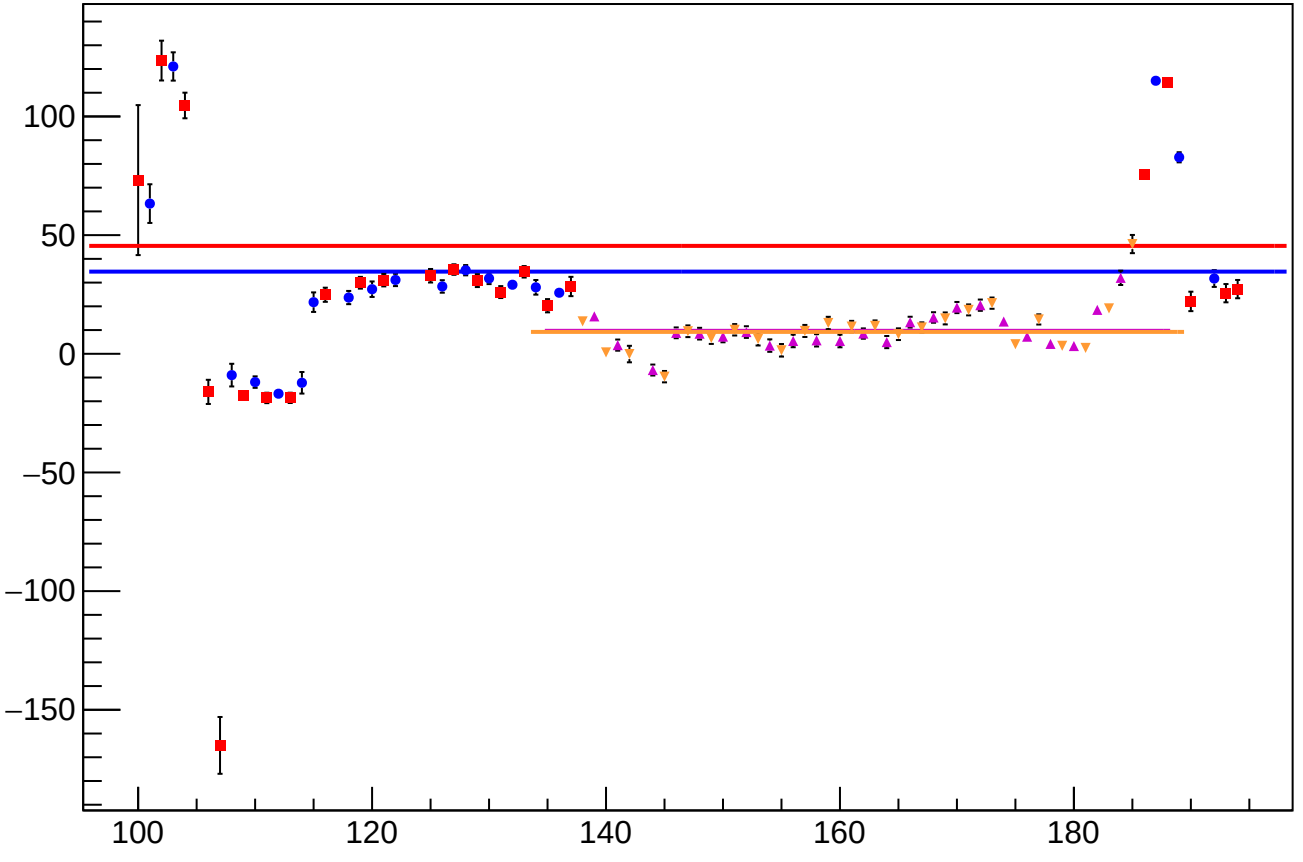
Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 82.776+/-0.025 χ^2/NDF: 2277385.4/42

All: 82.943+/-0.018 χ^2/NDF: 4334365.0/88

- sign 83.106+/-0.025 χ^2/NDF: 2056891.5/45

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 34.626+/-0.612 χ^2/NDF: 3644.1/18

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

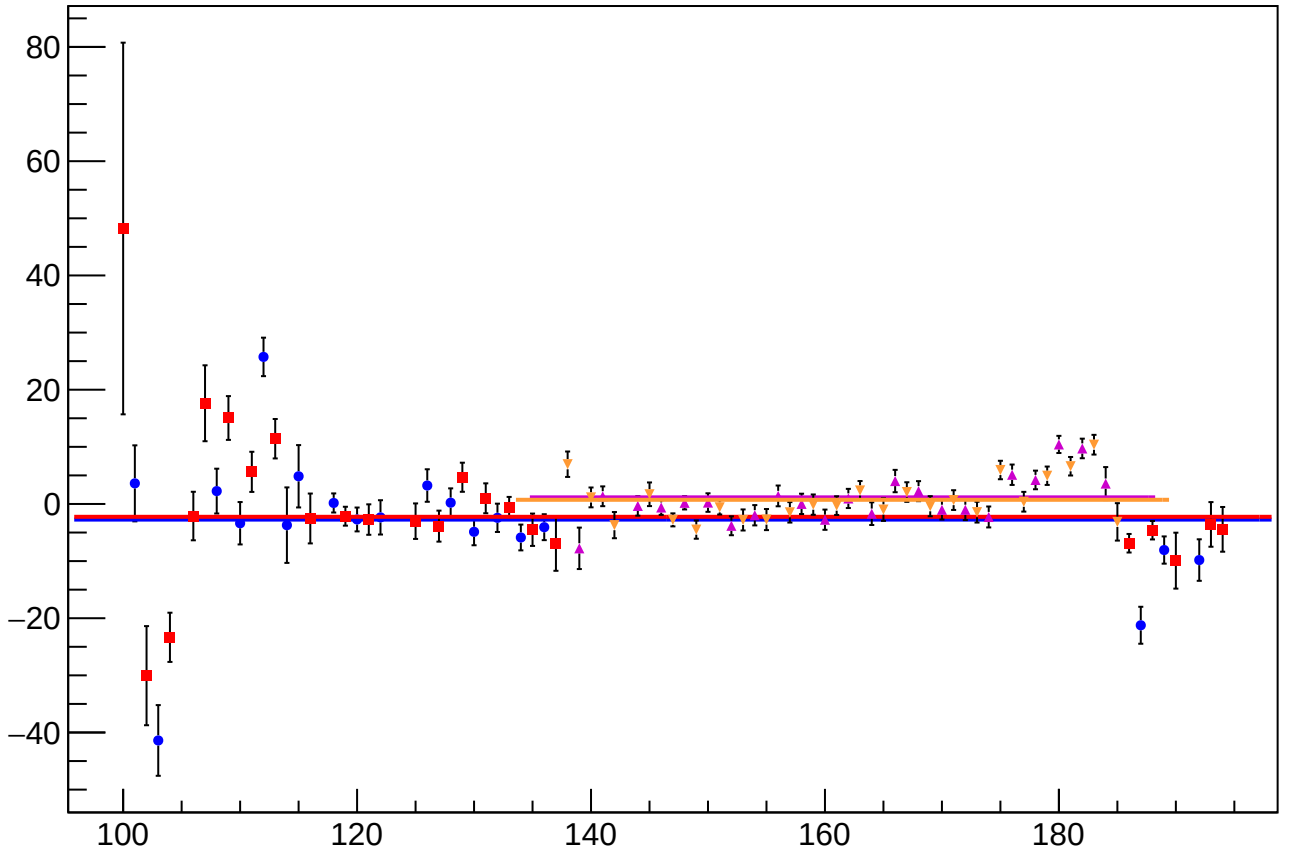
Right Out: 45.468+/-0.523 χ^2/NDF: 7778.4/22

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

+ sign 18.309+/-0.366 χ^2/NDF: 5078.7/42

All: 22.031+/-0.252 χ^2/NDF: 15927.6/88

- sign 25.370+/-0.346 χ^2/NDF: 10652.5/45



Right In: -2.735+/-0.646 χ^2/NDF: 168.5/18

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

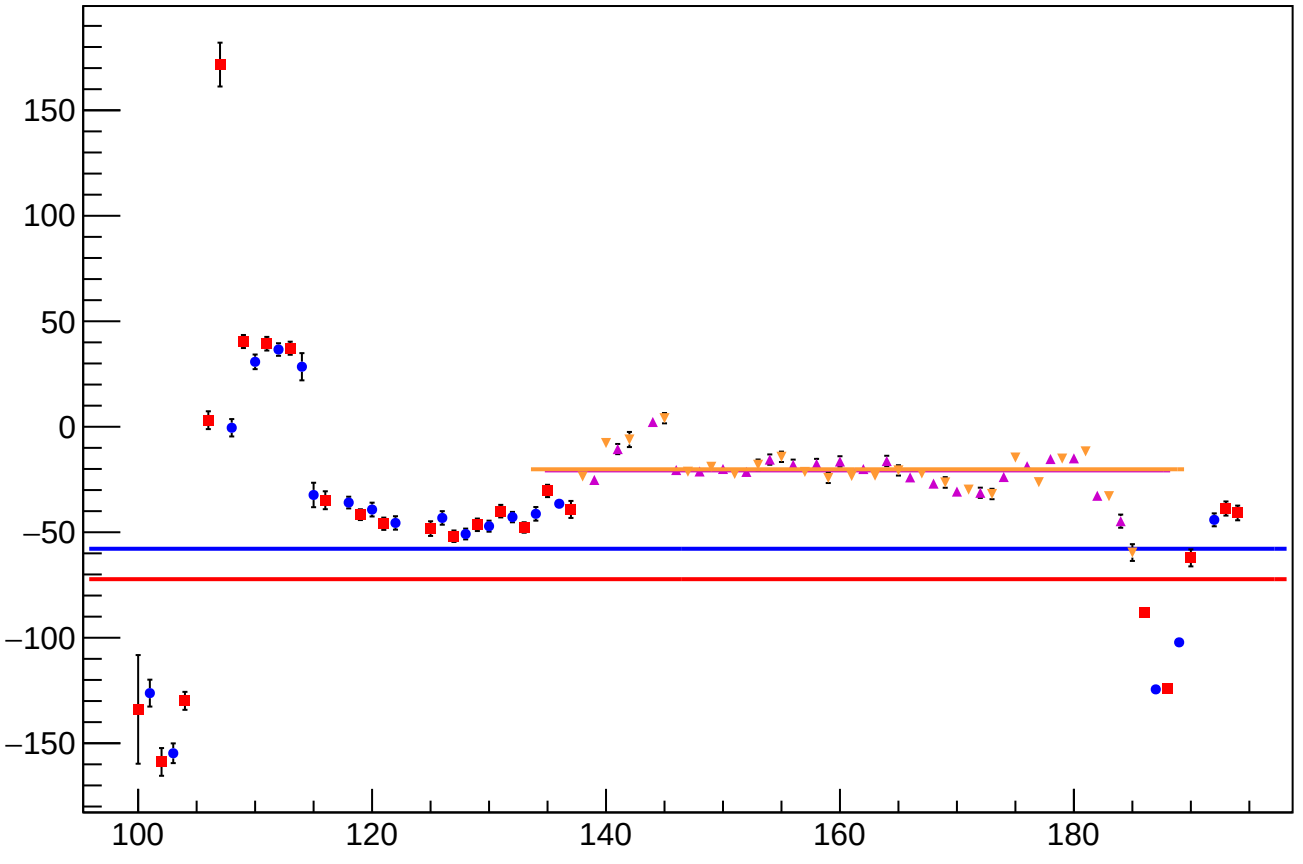
Right Out: -2.247+/-0.587 χ^2/NDF: 111.7/22

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

+ sign -0.054+/-0.307 χ^2/NDF: 300.4/42

All: 0.092+/-0.217 χ^2/NDF: 547.6/88

- sign 0.236+/-0.305 χ^2/NDF: 246.7/45



Right In: -57.823+/-0.644 χ^2/NDF: 5240.5/18

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

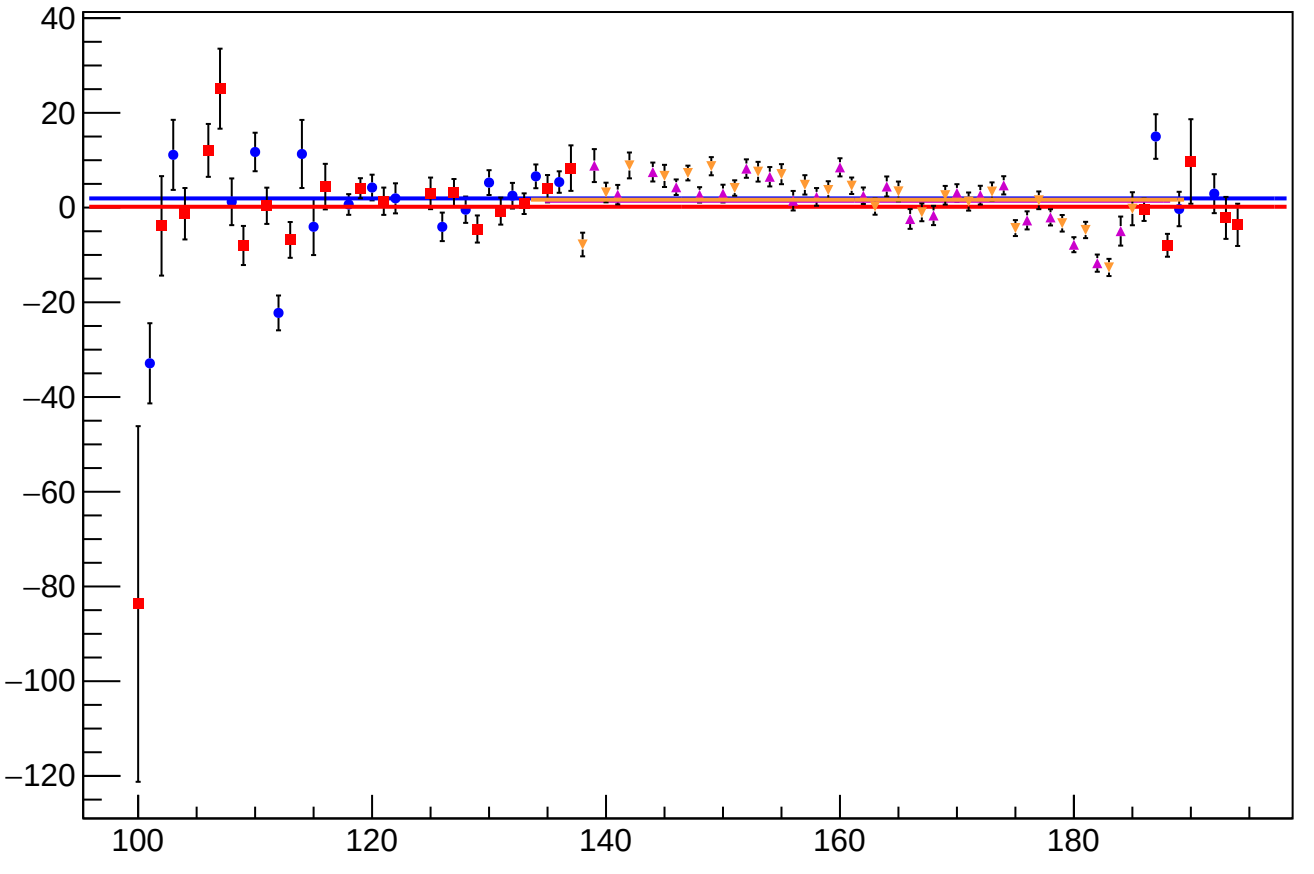
Right Out: -72.238+/-0.511 χ^2/NDF: 9442.4/22

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -32.612+/-0.370 χ^2/NDF: 7954.1/42

All: -38.580+/-0.251 χ^2/NDF: 23838.9/88

\- sign -43.640+/-0.341 χ^2/NDF: 15404.3/45



Right In: 1.935+/-0.755 χ^2/NDF: 91.6/18

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

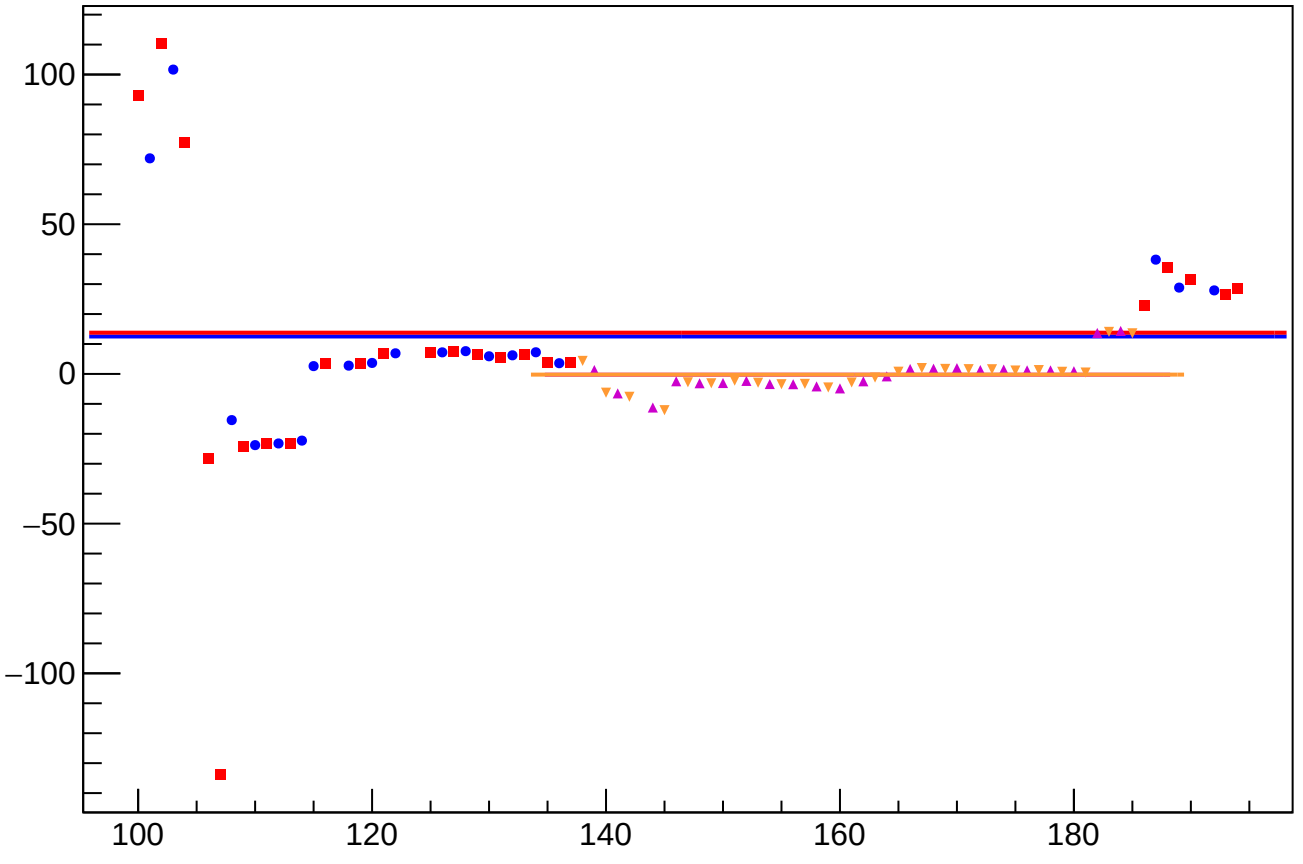
Right Out: 0.169+/-0.714 χ^2/NDF: 53.0/22

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.727+/-0.350 χ^2/NDF: 269.6/42

All: 1.427+/-0.248 χ^2/NDF: 489.3/88

- sign 1.124+/-0.351 χ^2/NDF: 218.2/45



Right In: 12.509+/-0.043 χ^2/NDF: 354597.0/18

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 13.778+/-0.041 χ^2/NDF: 535315.1/22

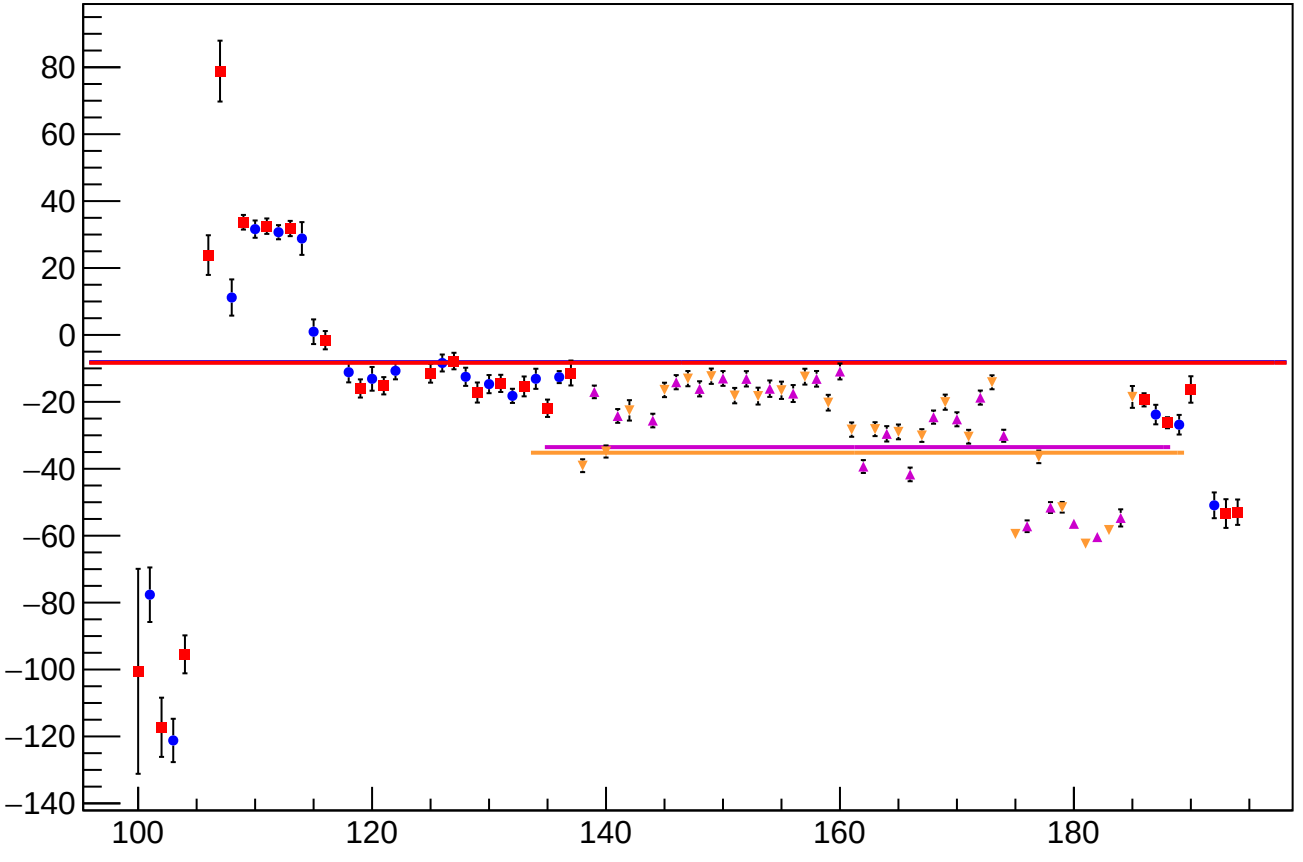
Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 1.593+/-0.016 χ^2/NDF: 510180.5/42

All: 1.771+/-0.012 χ^2/NDF: 1217512.4/88

- sign 1.947+/-0.016 χ^2/NDF: 707095.8/45

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

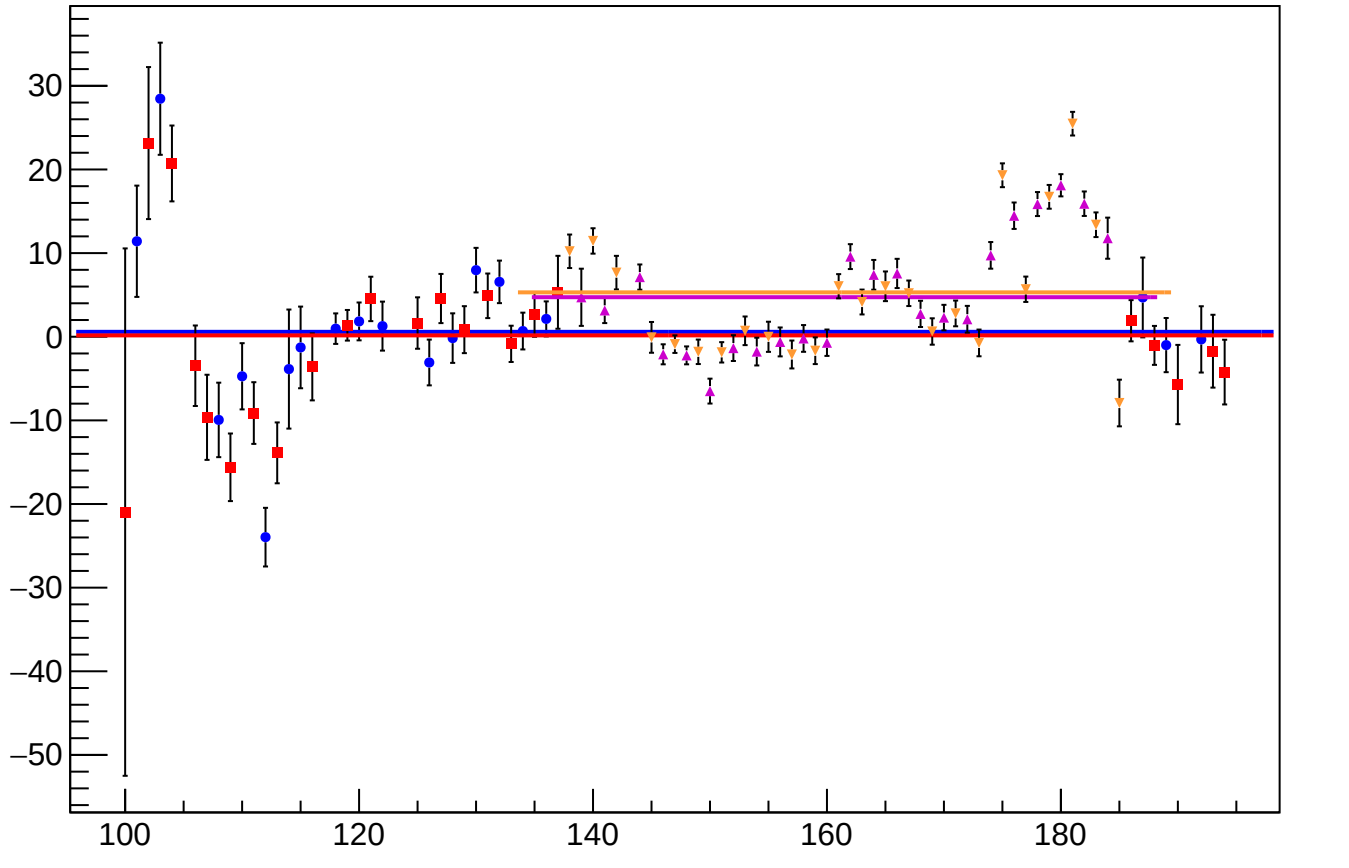
Right Out: -8.319+/-0.599 χ^2/NDF: 1980.6/22

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -27.758+/-0.348 χ^2/NDF: 4323.2/42

All: -26.546+/-0.243 χ^2/NDF: 9333.7/88

- sign -25.383+/-0.340 χ^2/NDF: 4986.6/45



Right In: 0.587+/-0.691 χ^2/NDF: 93.9/18

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: 0.162+/-0.664 χ^2/NDF: 84.1/22

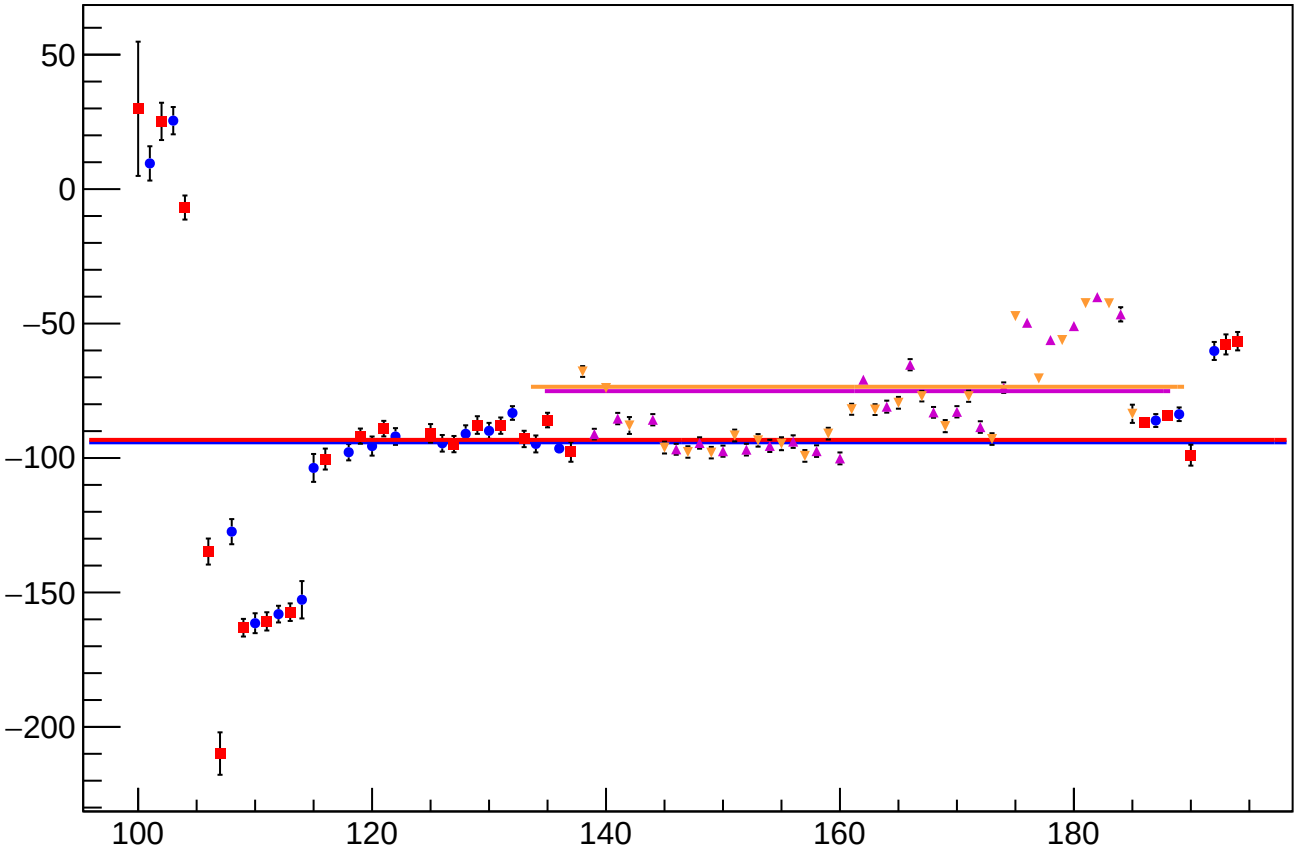
Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.495+/-0.287 χ^2/NDF: 756.9/42

All: 4.181+/-0.204 χ^2/NDF: 1377.7/88

- sign 3.861+/-0.289 χ^2/NDF: 618.4/45

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: -94.163+/-0.719 χ^2/NDF: 1855.5/18

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

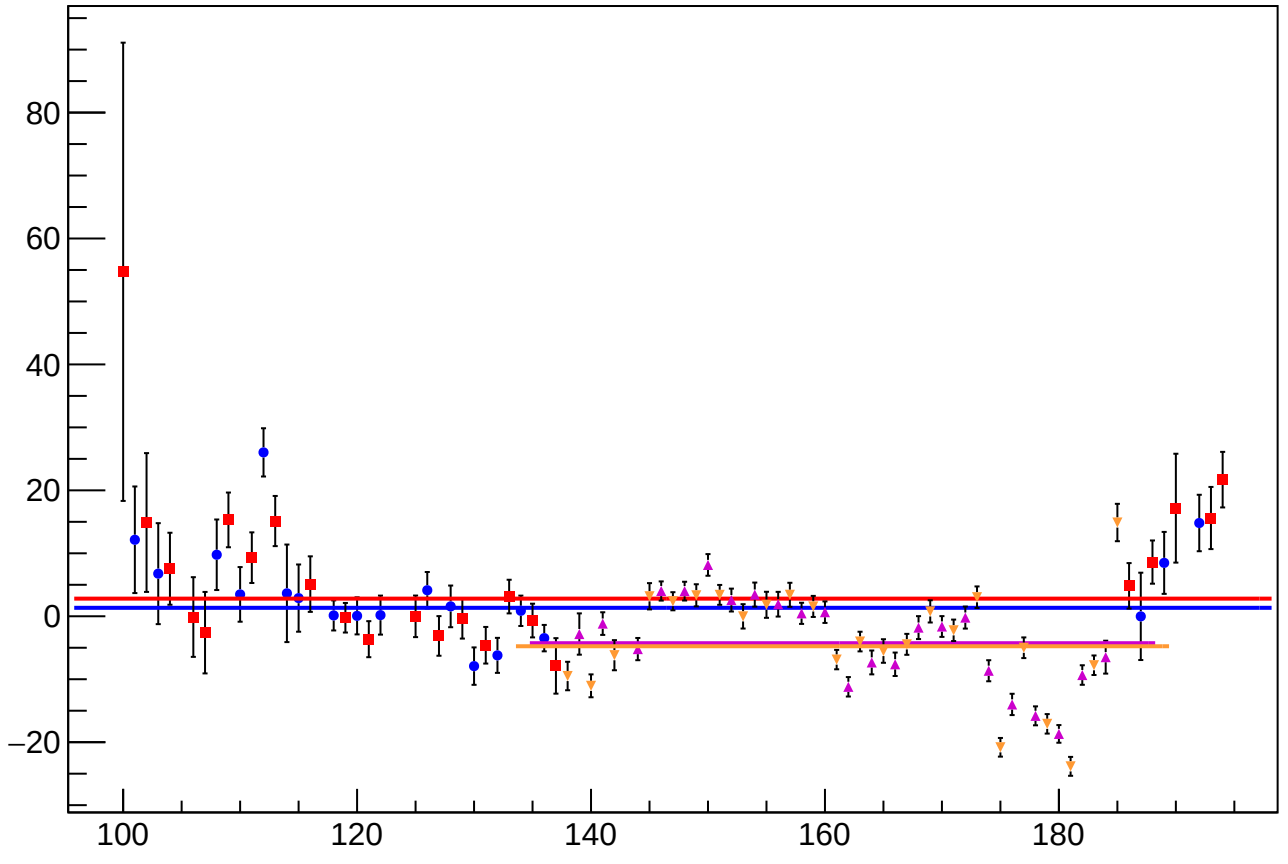
Right Out: -93.255+/-0.619 χ^2/NDF: 2506.4/22

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

+ sign -78.484+/-0.353 χ^2/NDF: 4873.5/42

All: -79.608+/-0.246 χ^2/NDF: 10357.5/88

- sign -80.662+/-0.342 χ^2/NDF: 5464.4/45



Right In: 1.343+/-0.792 χ^2/NDF: 81.4/18

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

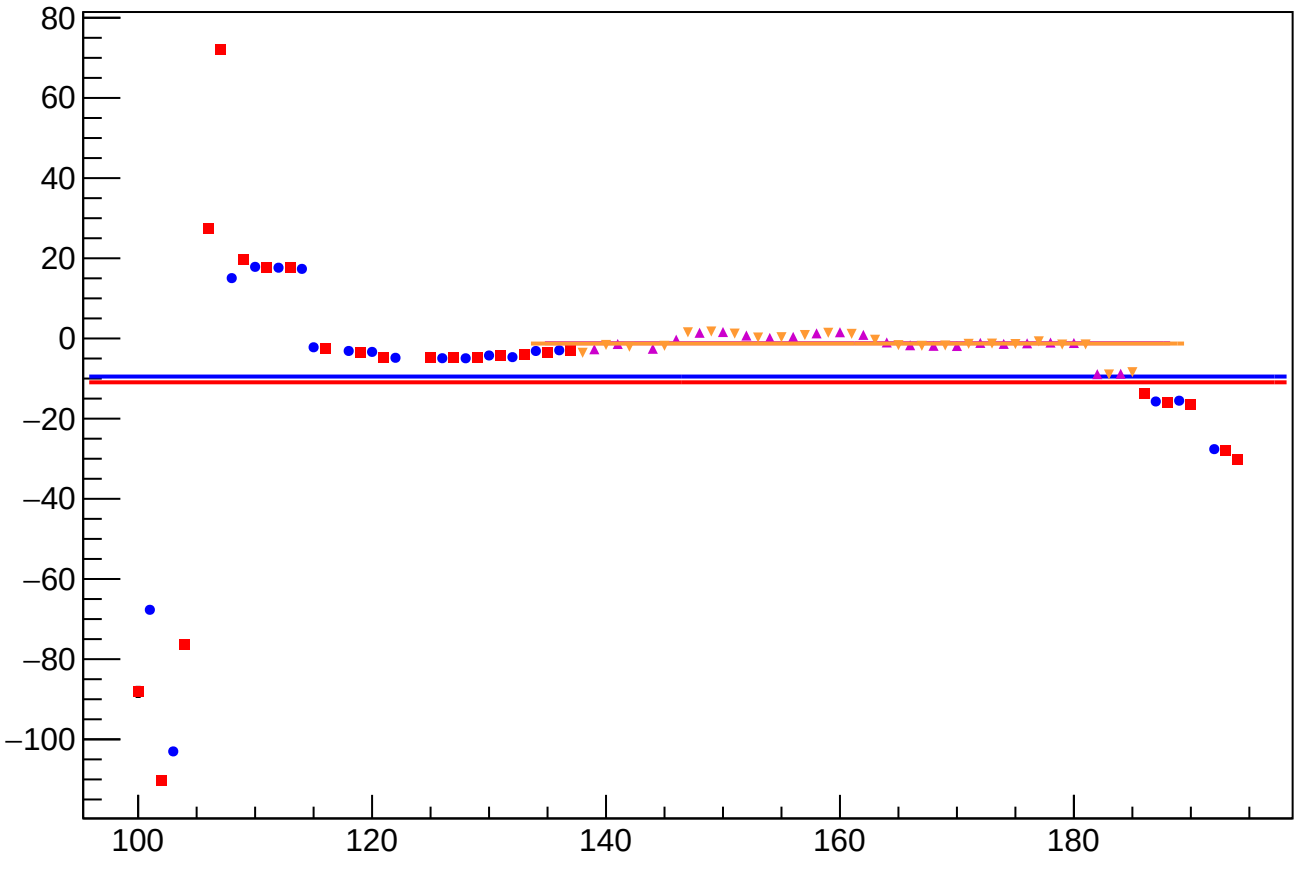
Right Out: 2.802+/-0.783 χ^2/NDF: 82.7/22

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

+ sign -3.742+/-0.324 χ^2/NDF: 707.8/42

All: -3.394+/-0.230 χ^2/NDF: 1284.3/88

- sign -3.038+/-0.328 χ^2/NDF: 574.2/45



Right In: -9.498+/-0.044 χ^2/NDF: 285448.3/18

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -10.938+/-0.044 χ^2/NDF: 388881.7/22

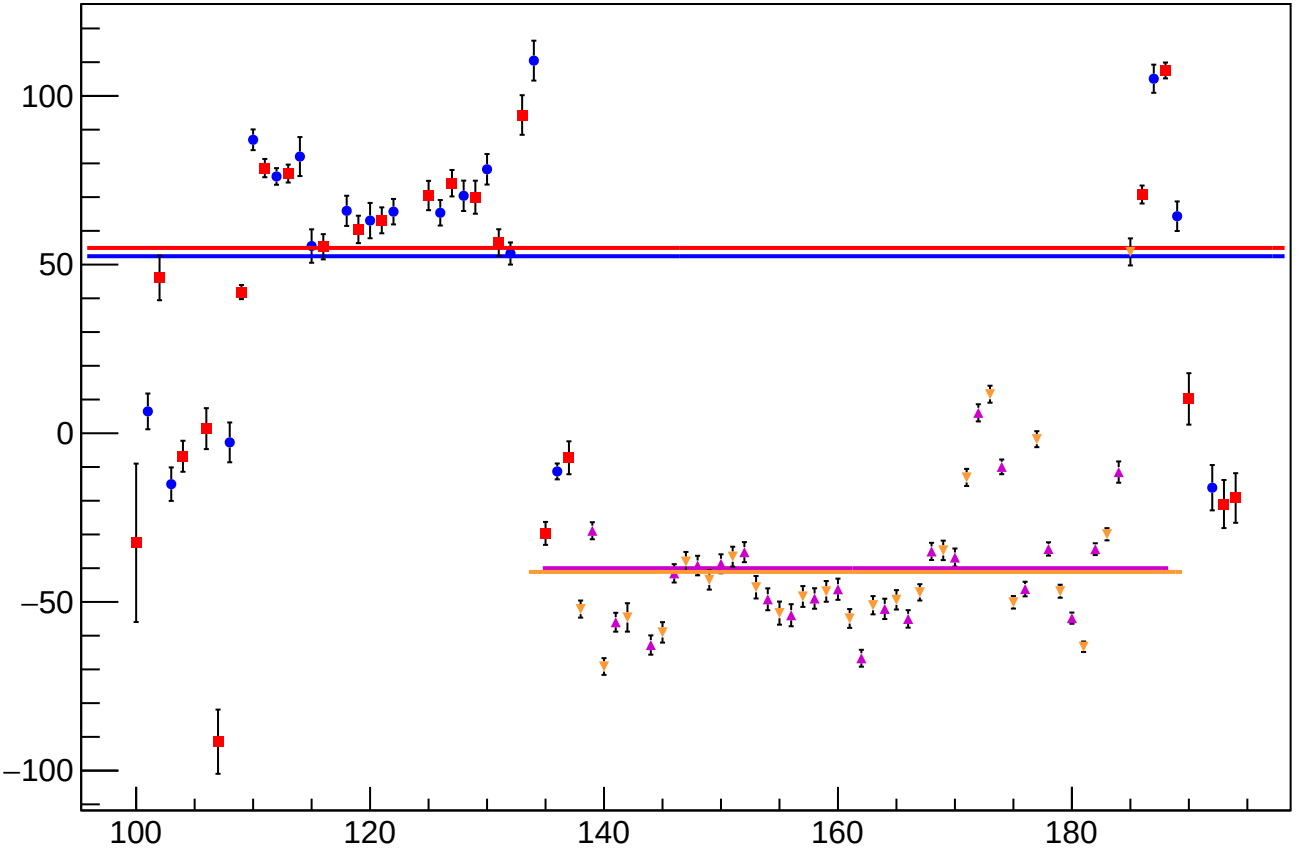
Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -2.197+/-0.015 χ^2/NDF: 340935.2/42

All: -2.265+/-0.011 χ^2/NDF: 798840.7/88

- sign -2.334+/-0.015 χ^2/NDF: 457863.3/45

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

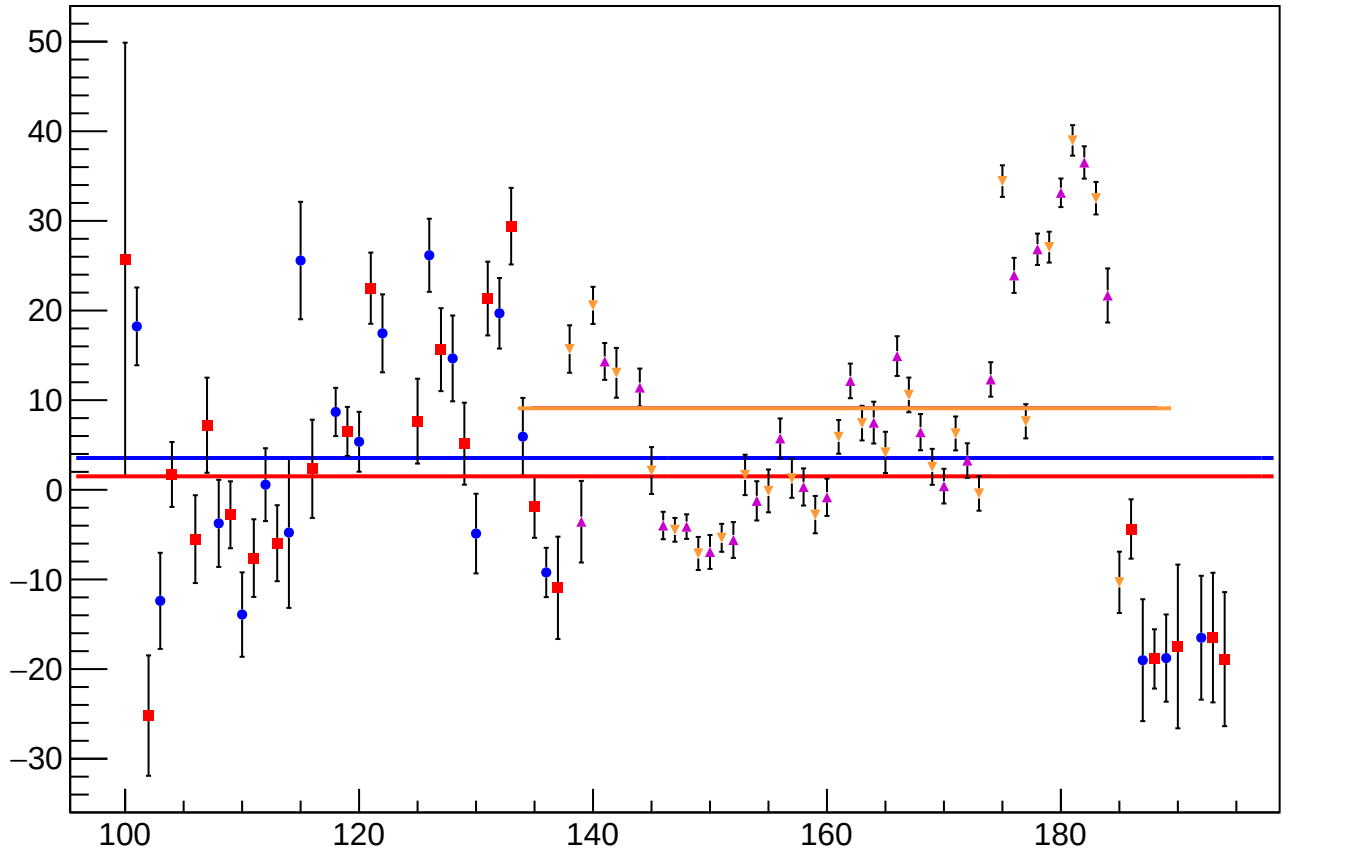
Right Out: 54.940+/-0.797 χ^2/NDF: 2359.1/22

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -18.279+/-0.450 χ^2/NDF: 11704.1/42

All: -14.716+/-0.314 χ^2/NDF: 25117.2/88

\- sign -11.337+/-0.438 χ^2/NDF: 13290.9/45



Right In: 3.550+/-0.979 χ^2/NDF: 182.2/18

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

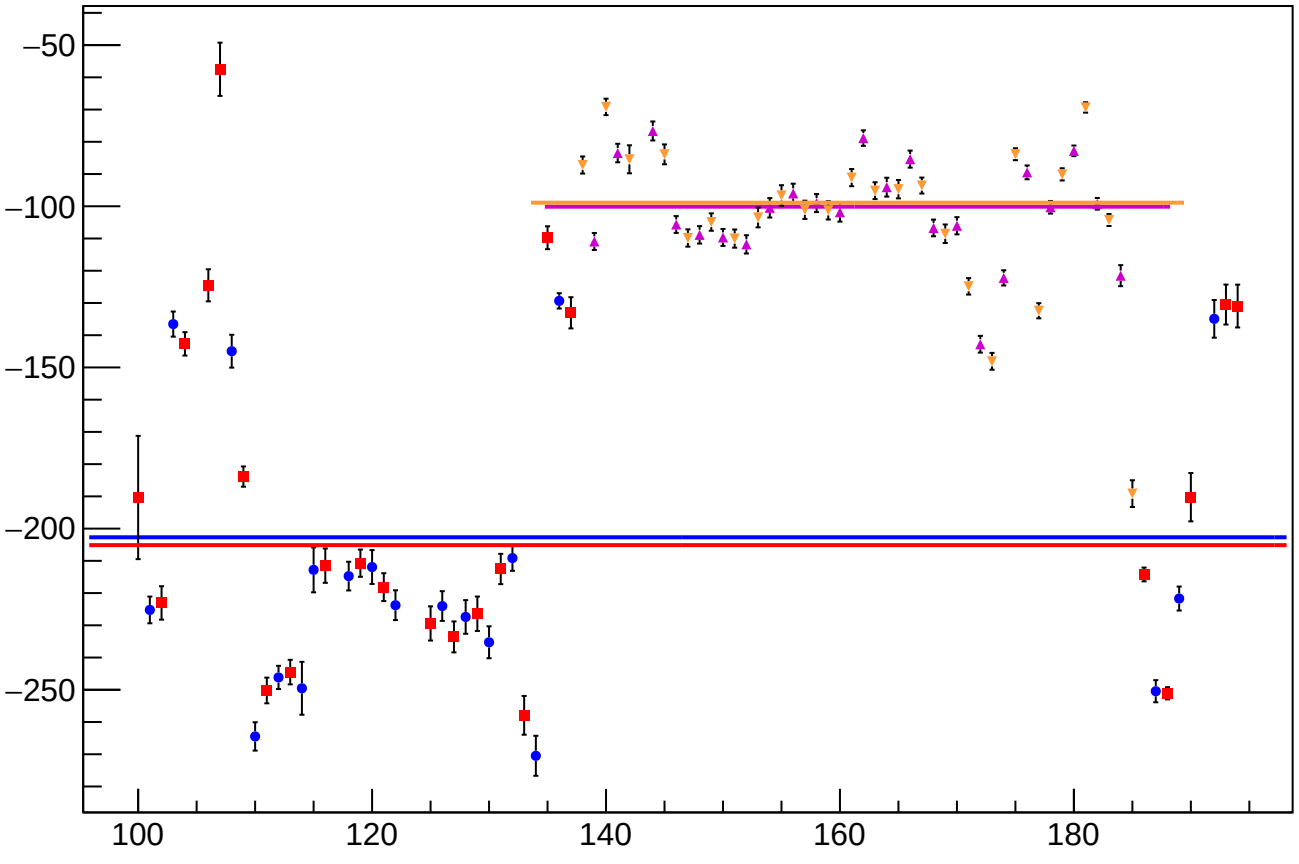
Right Out: 1.503+/-0.917 χ^2/NDF: 202.5/22

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 8.296+/-0.371 χ^2/NDF: 1463.4/42

All: 8.079+/-0.263 χ^2/NDF: 2775.9/88

- sign 7.858+/-0.374 χ^2/NDF: 1311.9/45



Right In: -202.693+/-0.981 χ^2/NDF: 2371.0/18

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

Right Out: -205.126+/-0.839 χ^2/NDF: 3157.0/22

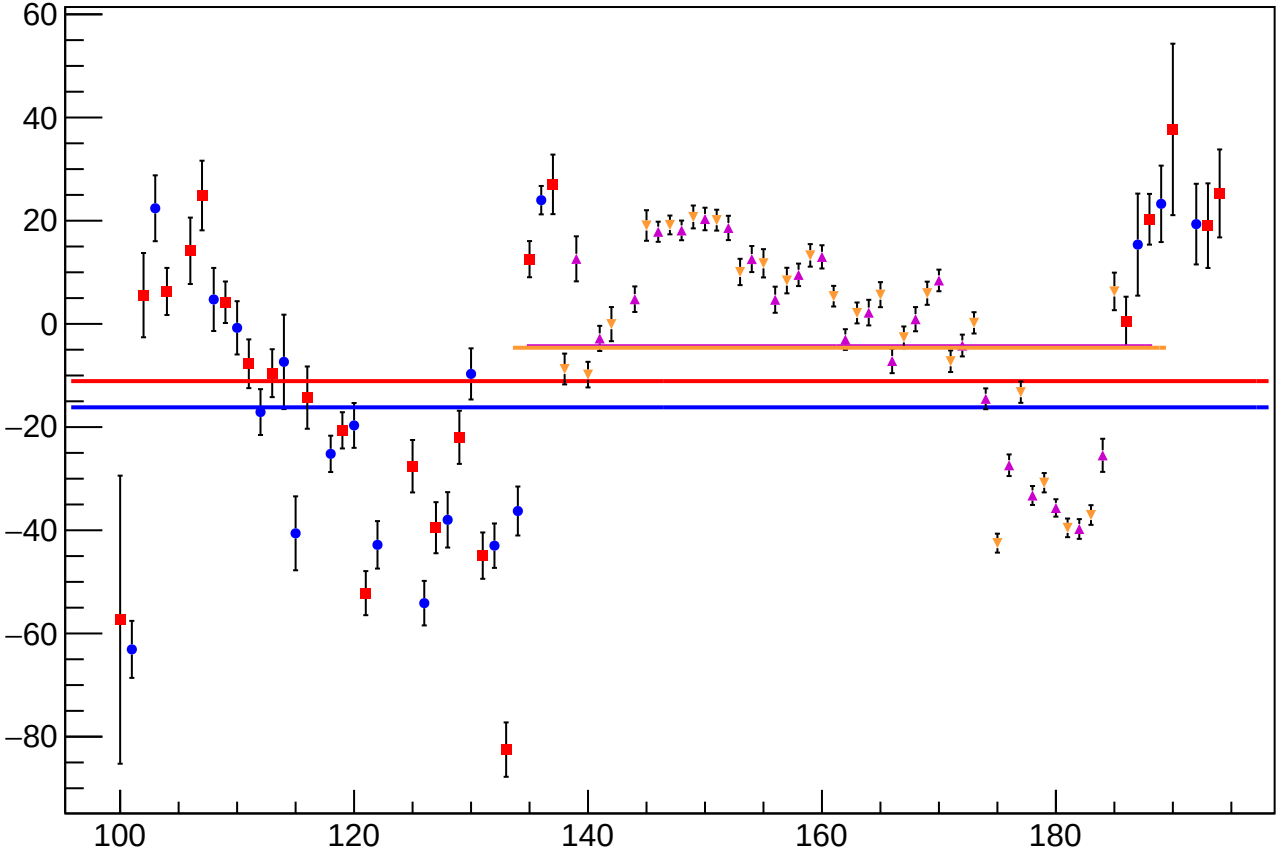
Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -121.246+/-0.455 χ^2/NDF: 12977.5/42

All: -125.389+/-0.317 χ^2/NDF: 28440.0/88

- sign -129.292+/-0.442 χ^2/NDF: 15301.7/45

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -16.167+/-1.126 χ^2/NDF: 606.6/18

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

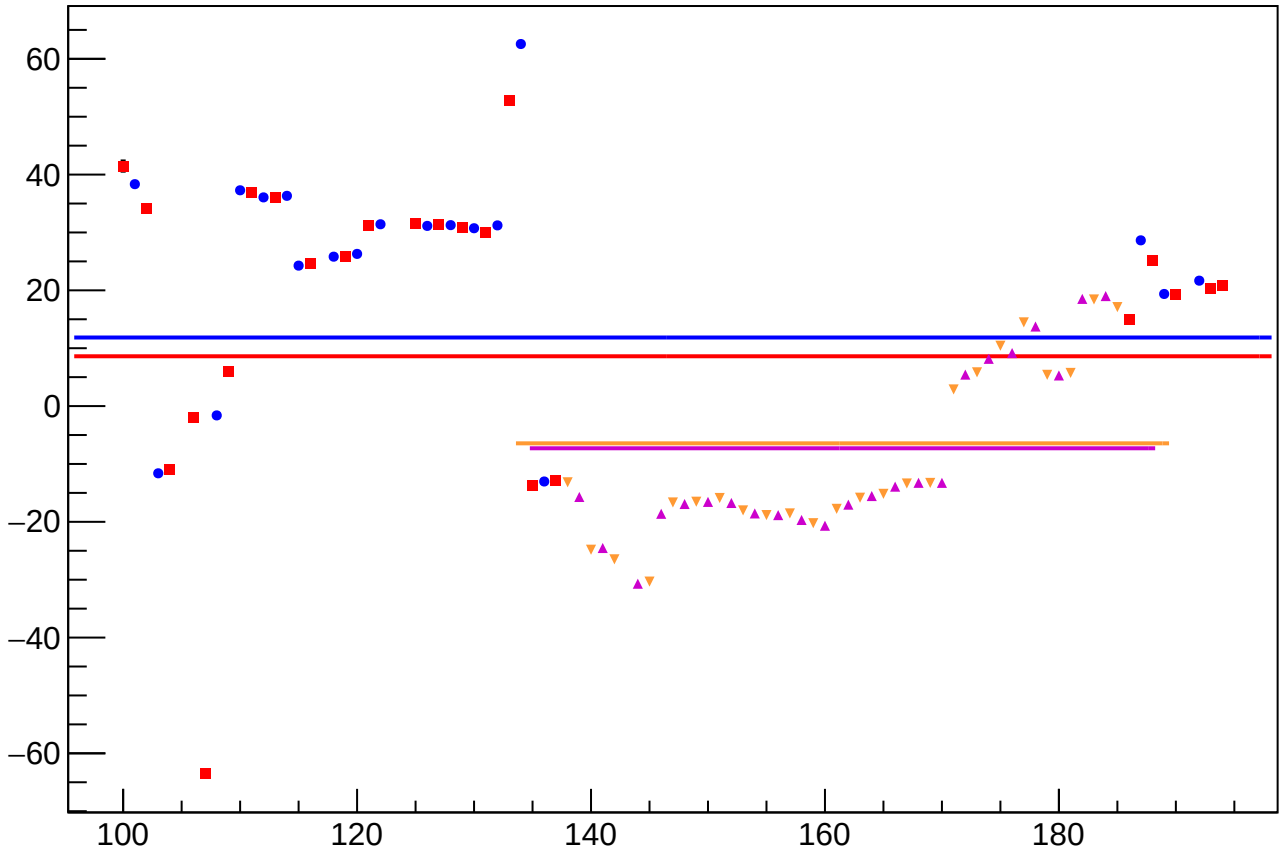
Right Out: -11.091+/-1.080 χ^2/NDF: 644.6/22

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -6.217+/-0.419 χ^2/NDF: 2775.6/42

All: -5.793+/-0.297 χ^2/NDF: 5309.5/88

- sign -5.362+/-0.422 χ^2/NDF: 2531.9/45



Right In: 11.850+/-0.060 χ^2/NDF: 168260.0/18

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

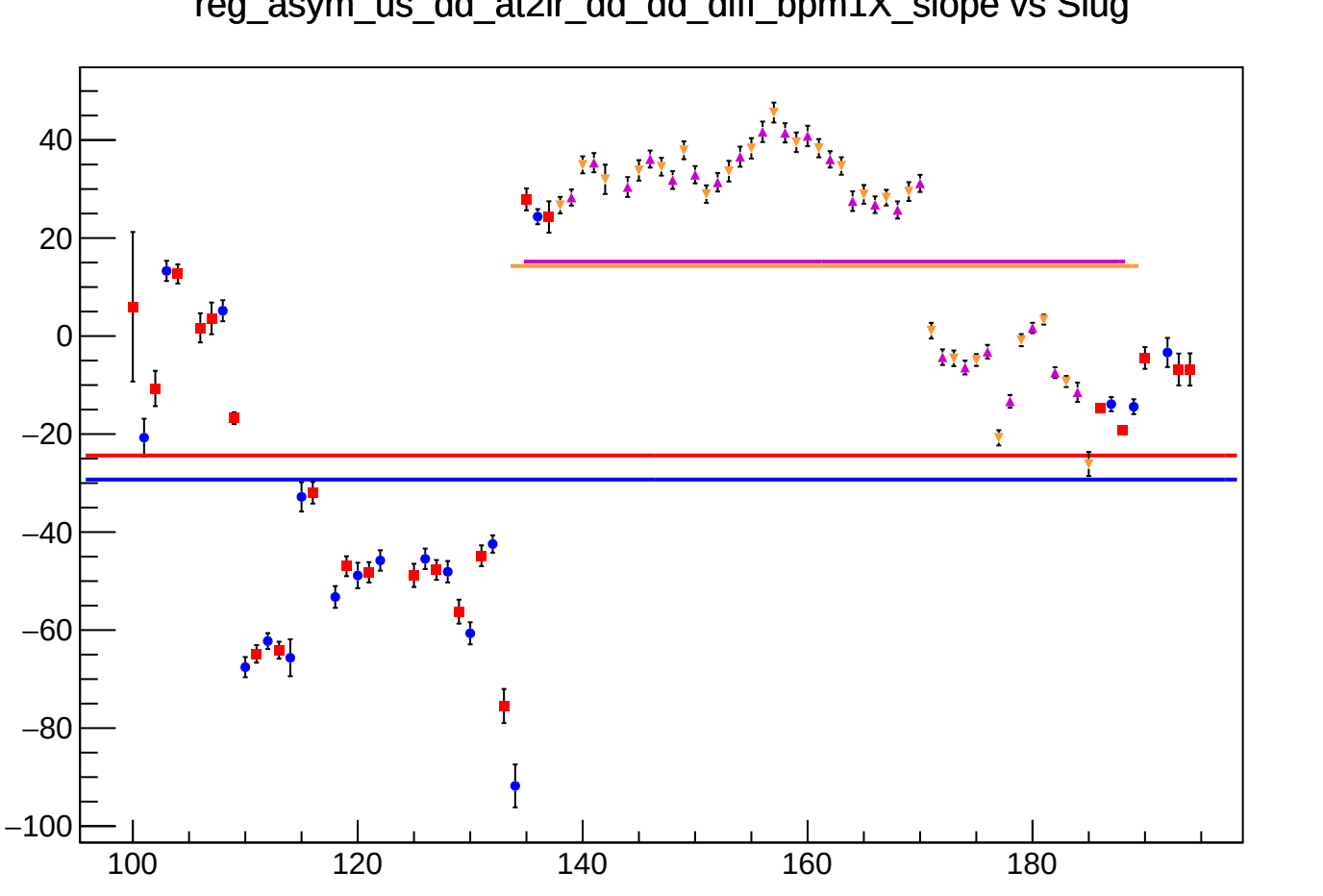
Right Out: 8.607+/-0.057 χ^2/NDF: 167048.8/22

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

\+ sign -4.550+/-0.019 χ^2/NDF: 749596.0/42

All: -5.028+/-0.014 χ^2/NDF: 1475061.1/88

\- sign -5.506+/-0.019 χ^2/NDF: 724217.3/45



Right In: -29.279+/-0.479 χ^2/NDF: 3870.6/18

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

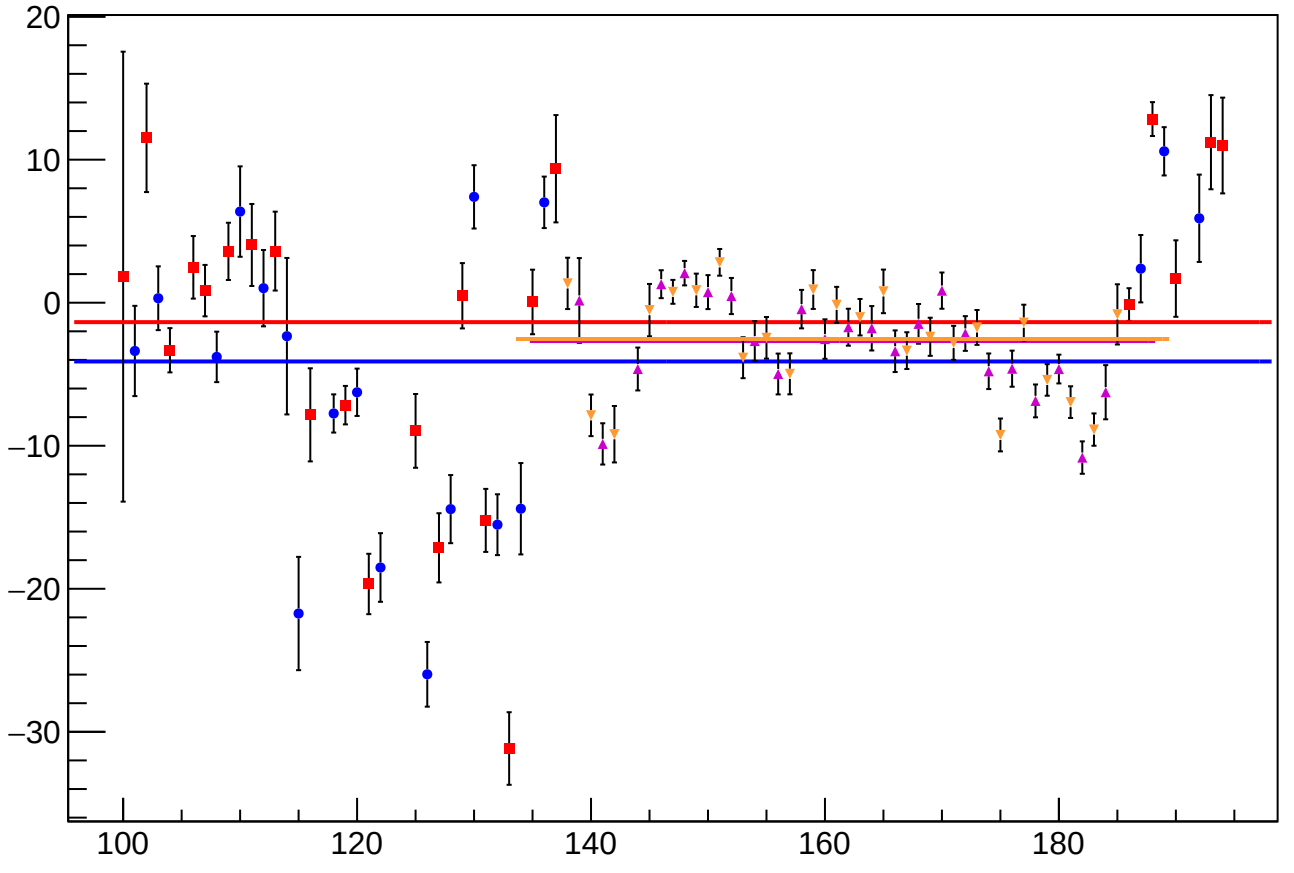
Right Out: -24.364+/-0.387 χ^2/NDF: 3656.7/22

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -0.034+/-0.275 χ^2/NDF: 13153.7/42

All: -1.102+/-0.187 χ^2/NDF: 26157.1/88

- sign -2.023+/-0.255 χ^2/NDF: 12975.2/45



Right In: -4.108+/-0.506 χ^2/NDF: 394.5/18

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -1.359+/-0.433 χ^2/NDF: 540.8/22

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -2.863+/-0.231 χ^2/NDF: 600.5/42

All: -2.587+/-0.161 χ^2/NDF: 1332.9/88

- sign -2.321+/-0.226 χ^2/NDF: 729.6/45

Right In: 53.644+/-0.482 χ^2/NDF: 6573.0/18

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 47.032+/-0.369 χ^2/NDF: 5835.7/22

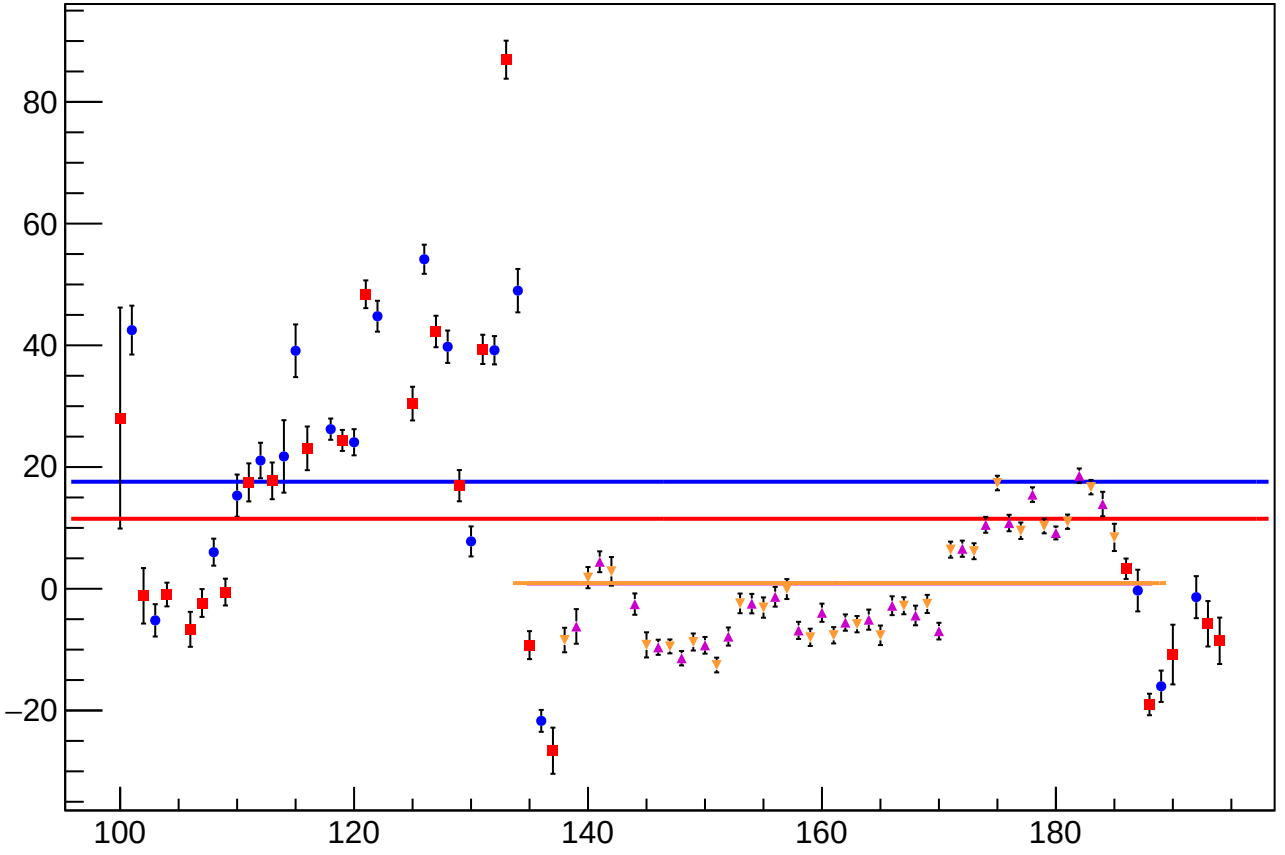
Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 21.440+/-0.274 χ^2/NDF: 15932.2/42

All: 22.987+/-0.184 χ^2/NDF: 31280.3/88

- sign 24.260+/-0.249 χ^2/NDF: 15289.9/45

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

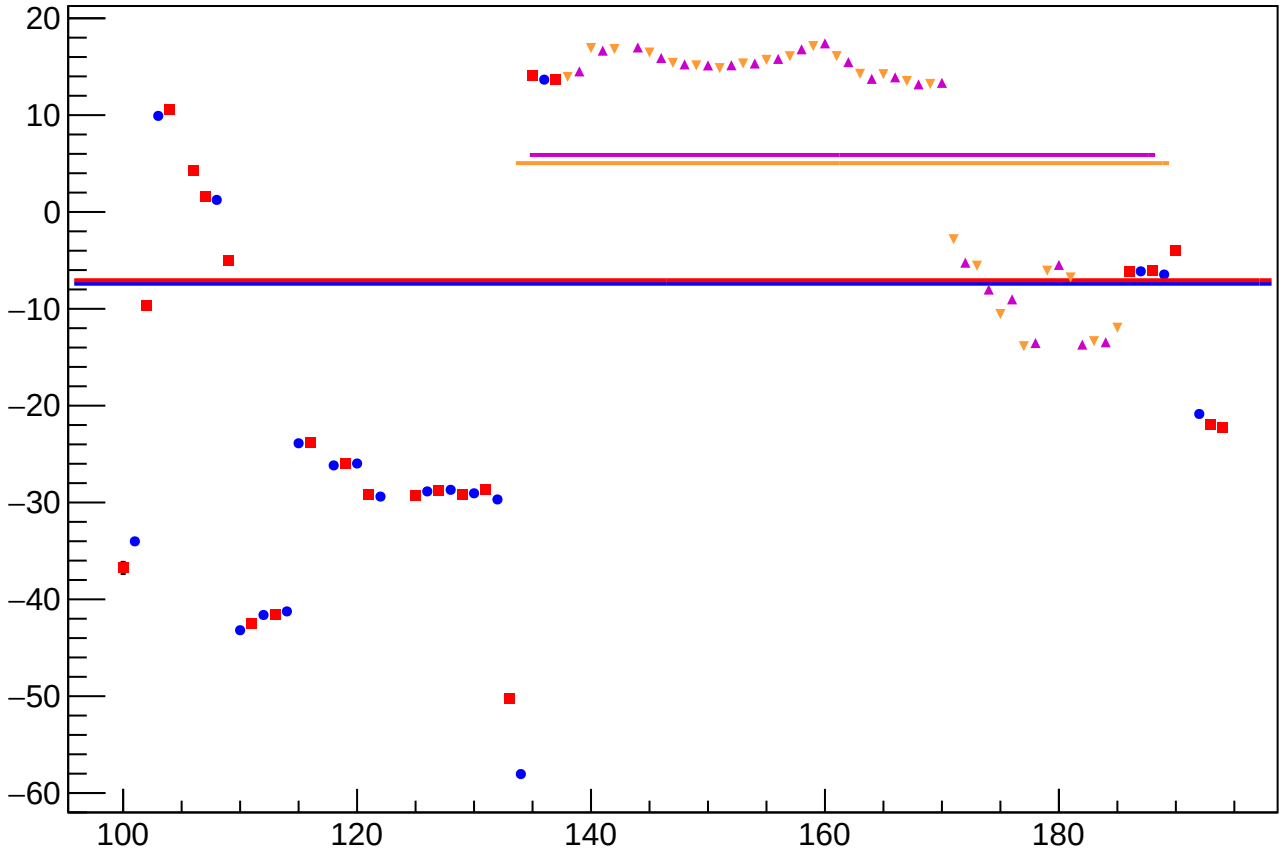
Right Out: 11.503+/-0.536 χ^2/NDF: 1975.0/22

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 4.098+/-0.263 χ^2/NDF: 3161.4/42

All: 3.733+/-0.185 χ^2/NDF: 6446.5/88

- sign 3.374+/-0.260 χ^2/NDF: 3281.2/45



Right In: -7.407+/-0.030 χ^2/NDF: 426866.5/18

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

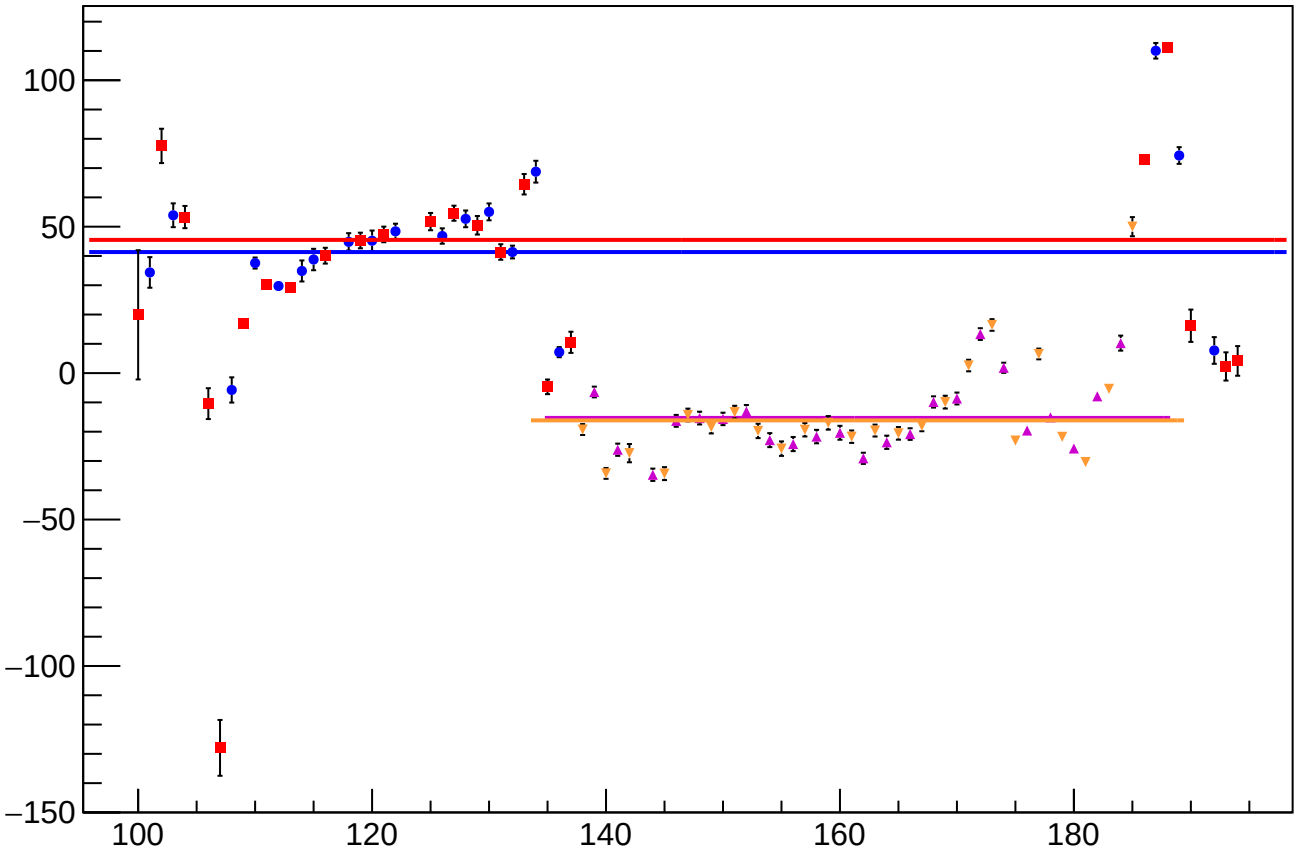
Right Out: -7.049+/-0.028 χ^2/NDF: 347450.0/22

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 3.100+/-0.012 χ^2/NDF: 1424167.4/42

All: 3.331+/-0.008 χ^2/NDF: 2792832.2/88

- sign 3.559+/-0.012 χ^2/NDF: 1367925.0/45



Right In: 41.333+/-0.616 χ^2/NDF: 1538.7/18

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 45.486+/-0.542 χ^2/NDF: 3874.6/22

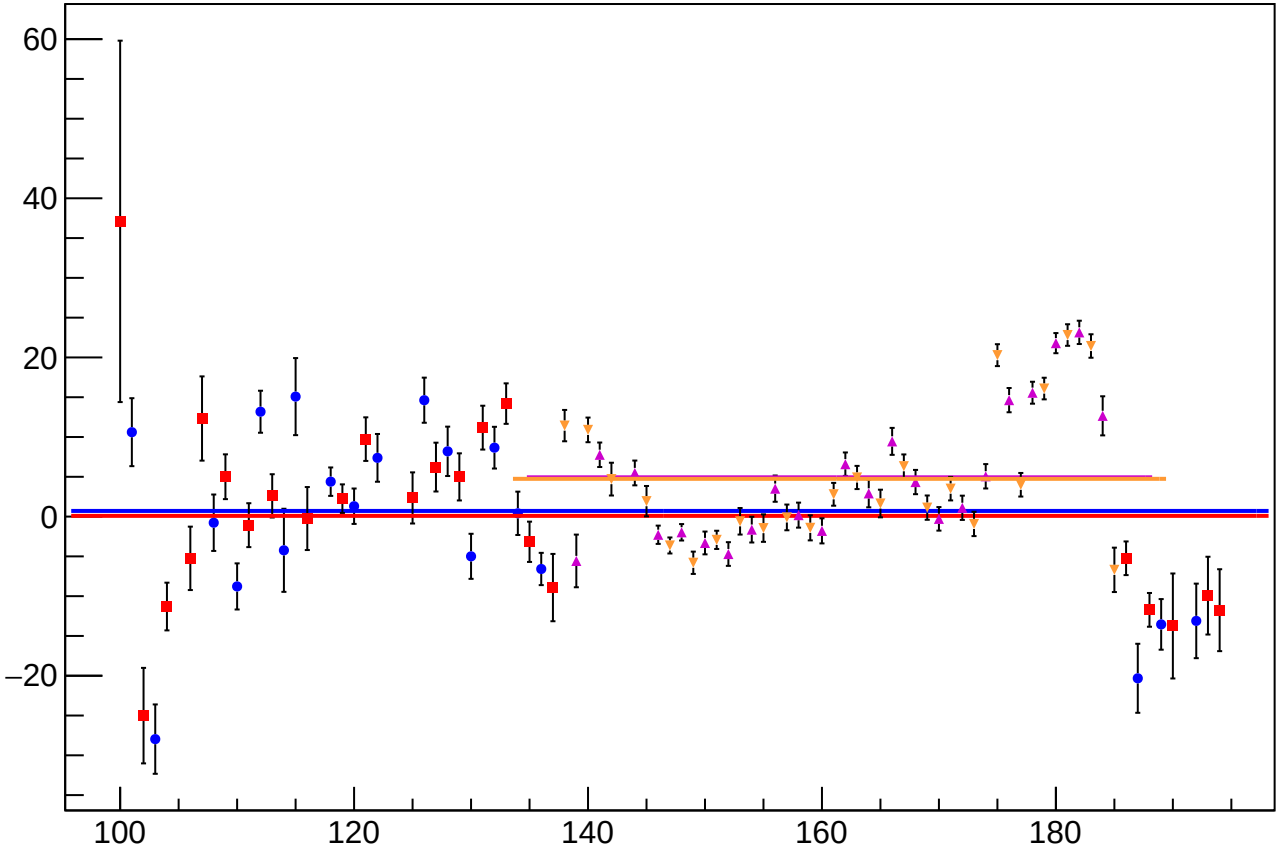
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

\+ sign 0.773+/-0.334 χ^2/NDF: 9039.5/42

All: 3.664+/-0.232 χ^2/NDF: 21919.5/88

\- sign 6.370+/-0.323 χ^2/NDF: 12735.2/45

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: 0.092+/-0.632 χ^2/NDF: 171.3/22

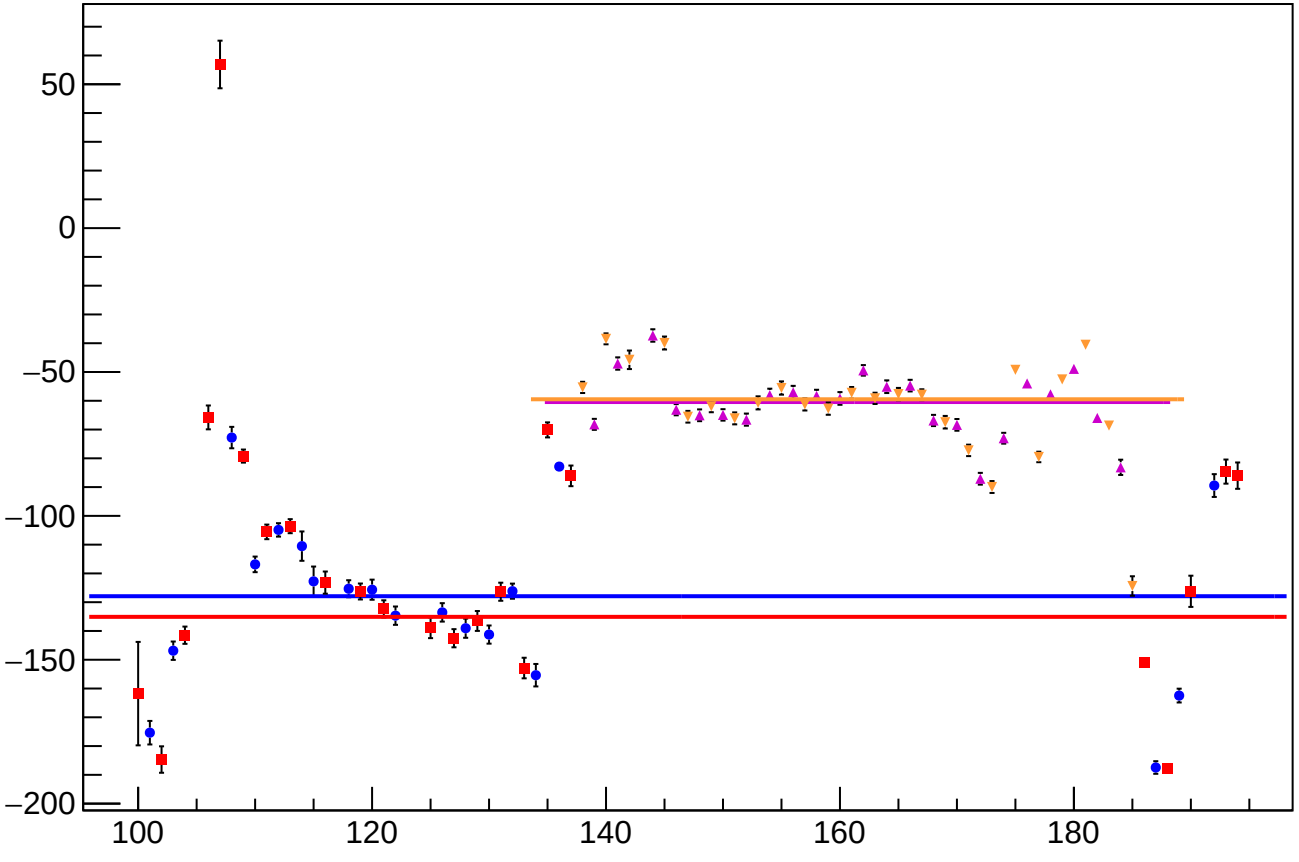
Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

\+ sign 4.046+/-0.279 χ^2/NDF: 1033.0/42

All: 4.014+/-0.198 χ^2/NDF: 1939.8/88

\- sign 3.981+/-0.280 χ^2/NDF: 906.8/45

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

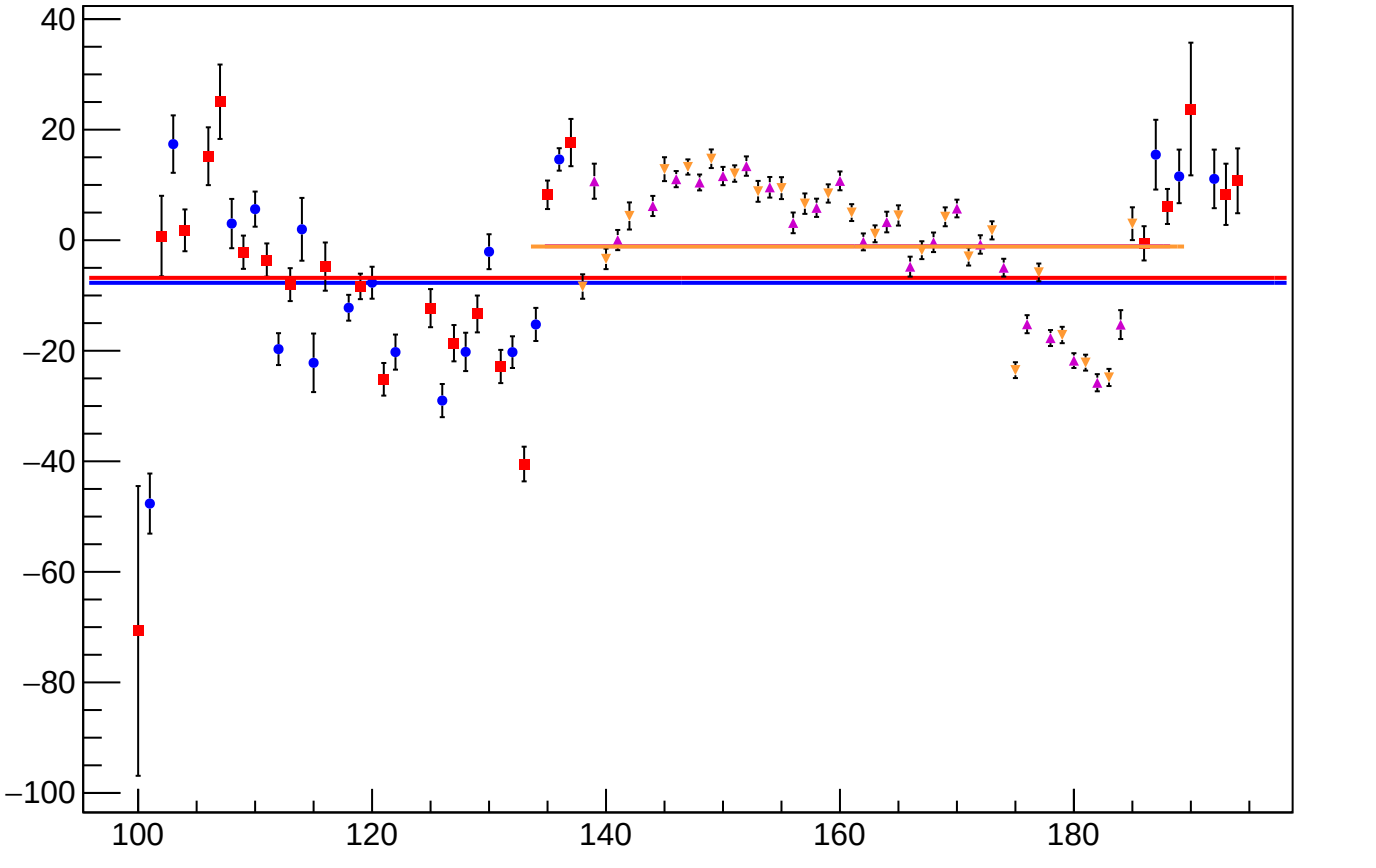
Right Out: -135.092+/-0.571 χ^2/NDF: 4974.3/22

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -76.916+/-0.341 χ^2/NDF: 11329.6/42

All: -81.117+/-0.236 χ^2/NDF: 28749.0/88

\- sign -84.988+/-0.327 χ^2/NDF: 17127.6/45



Right In: -7.710+/-0.771 χ^2/NDF: 402.6/18

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

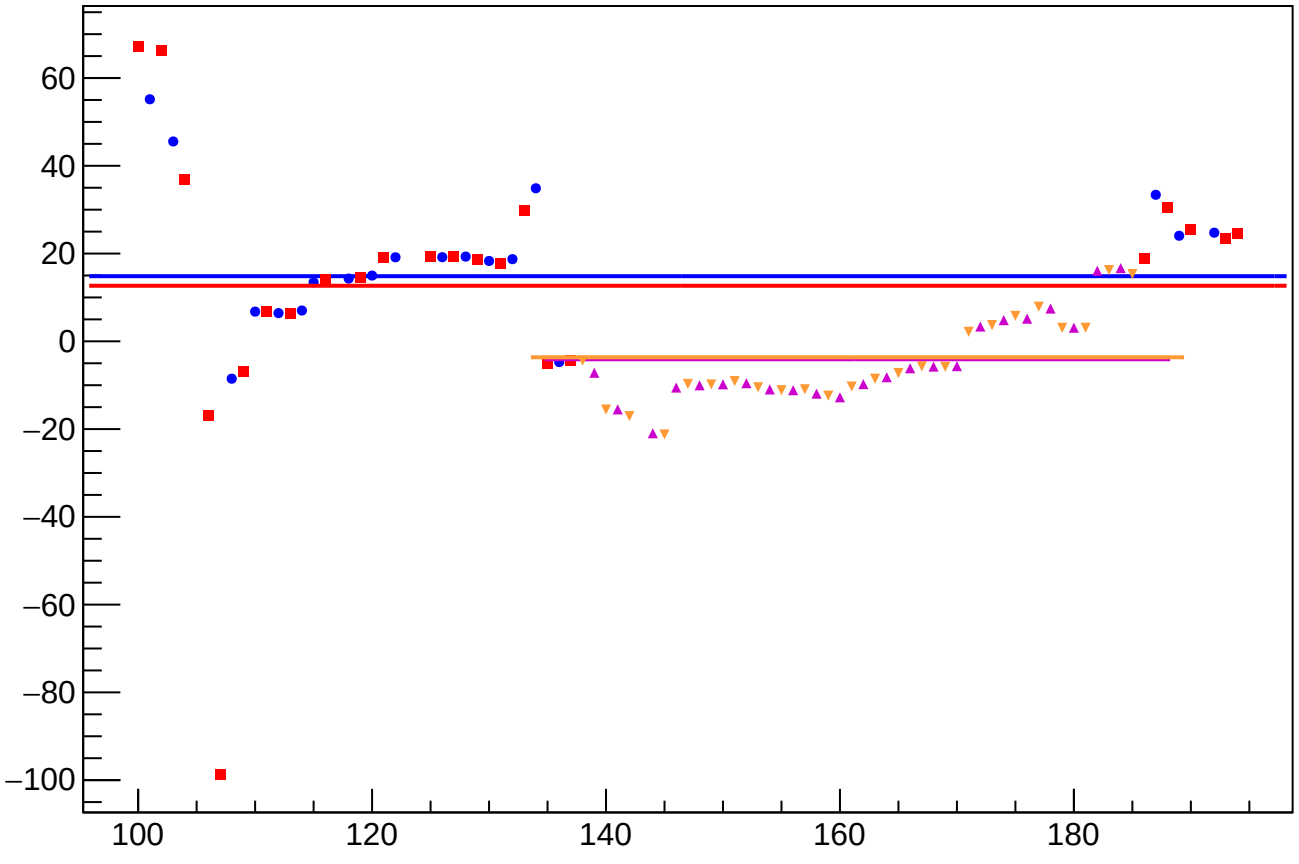
Right Out: -6.809+/-0.746 χ^2/NDF: 368.8/22

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -2.243+/-0.315 χ^2/NDF: 1766.0/42

All: -2.183+/-0.224 χ^2/NDF: 3340.4/88

- sign -2.123+/-0.318 χ^2/NDF: 1574.3/45



Right In: 14.845+/-0.043 χ^2/NDF: 192803.2/18

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 12.665+/-0.042 χ^2/NDF: 319906.4/22

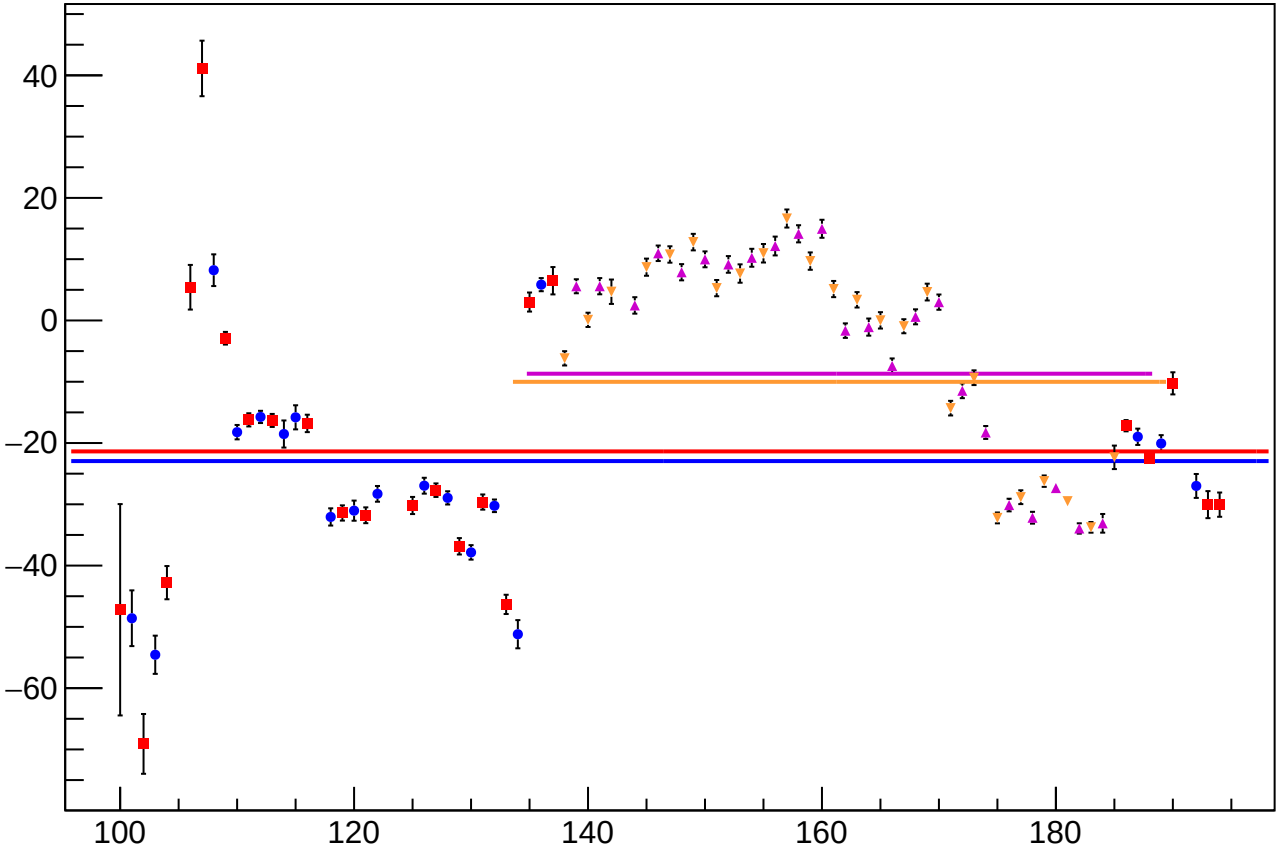
Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -1.485+/-0.015 χ^2/NDF: 705453.3/42

All: -1.762+/-0.010 χ^2/NDF: 1501838.9/88

- sign -2.040+/-0.015 χ^2/NDF: 795655.1/45

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -22.946+/-0.324 χ^2/NDF: 1586.5/18

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

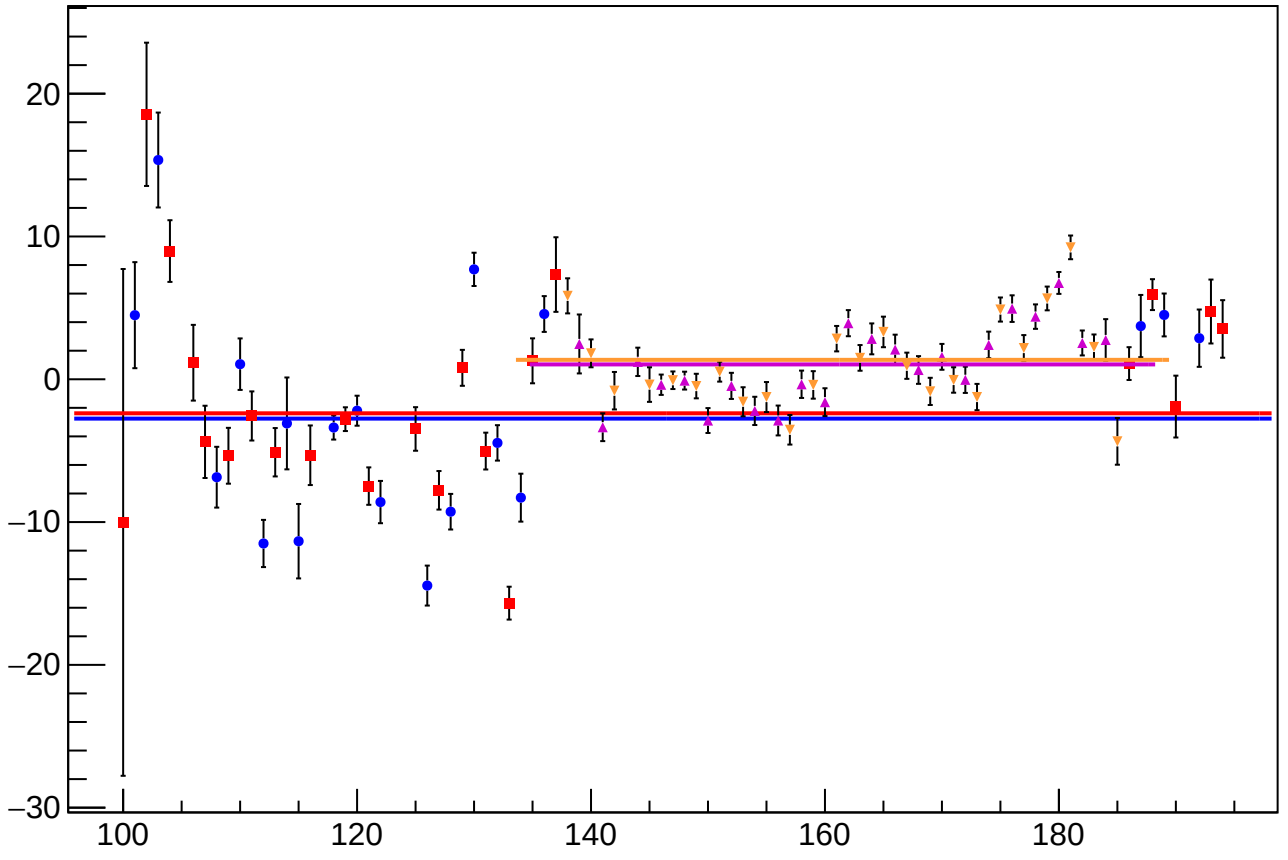
Right Out: -21.367+/-0.290 χ^2/NDF: 1909.9/22

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -14.697+/-0.195 χ^2/NDF: 7578.8/42

All: -14.358+/-0.135 χ^2/NDF: 15622.8/88

- sign -14.043+/-0.188 χ^2/NDF: 8038.2/45



Right In: -2.754+/-0.343 χ^2/NDF: 361.6/18

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

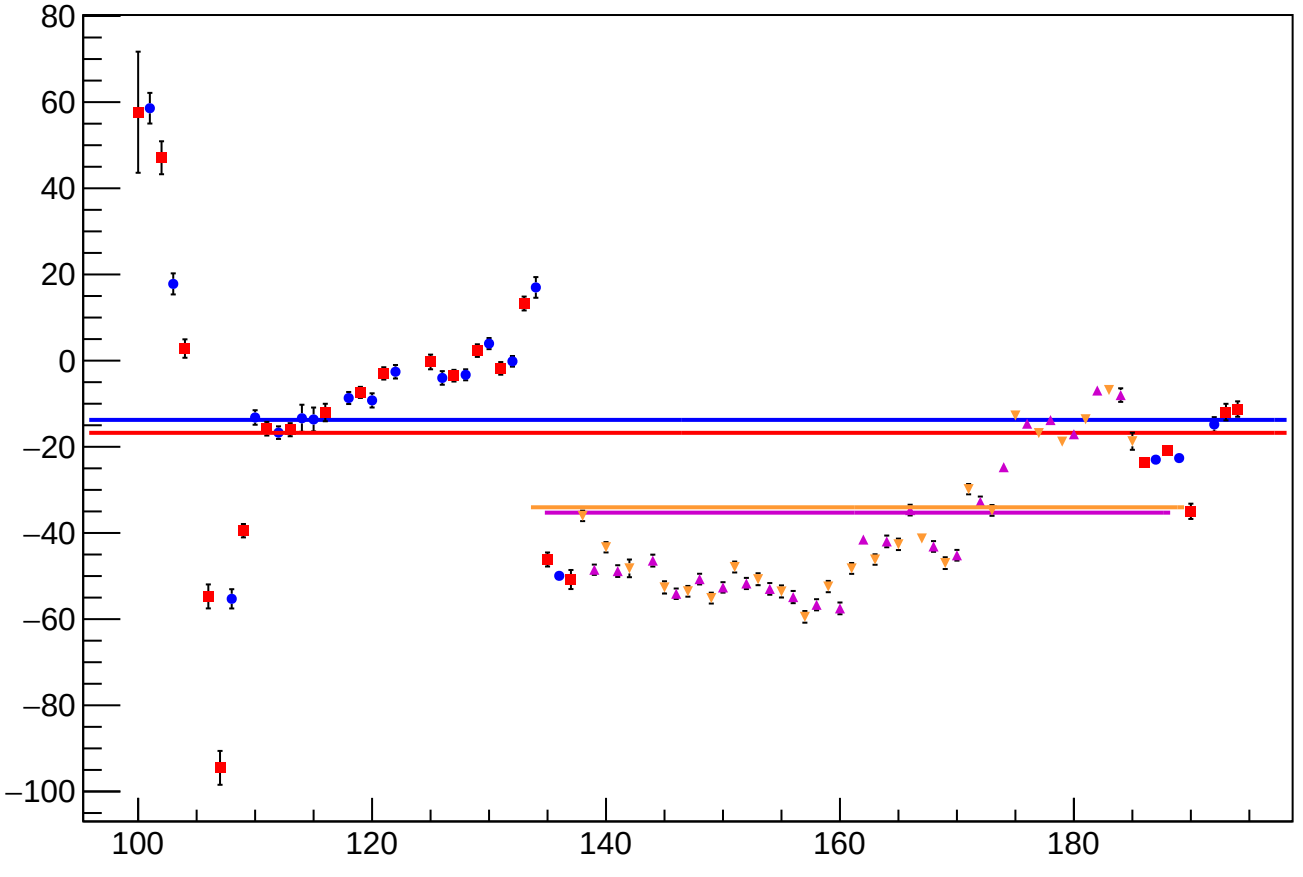
Right Out: -2.383+/-0.324 χ^2/NDF: 336.8/22

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.407+/-0.165 χ^2/NDF: 712.6/42

All: 0.277+/-0.117 χ^2/NDF: 1329.4/88

- sign 0.147+/-0.165 χ^2/NDF: 615.6/45



Right In: -13.753+/-0.354 χ^2/NDF: 2825.7/18

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -16.759+/-0.299 χ^2/NDF: 2962.8/22

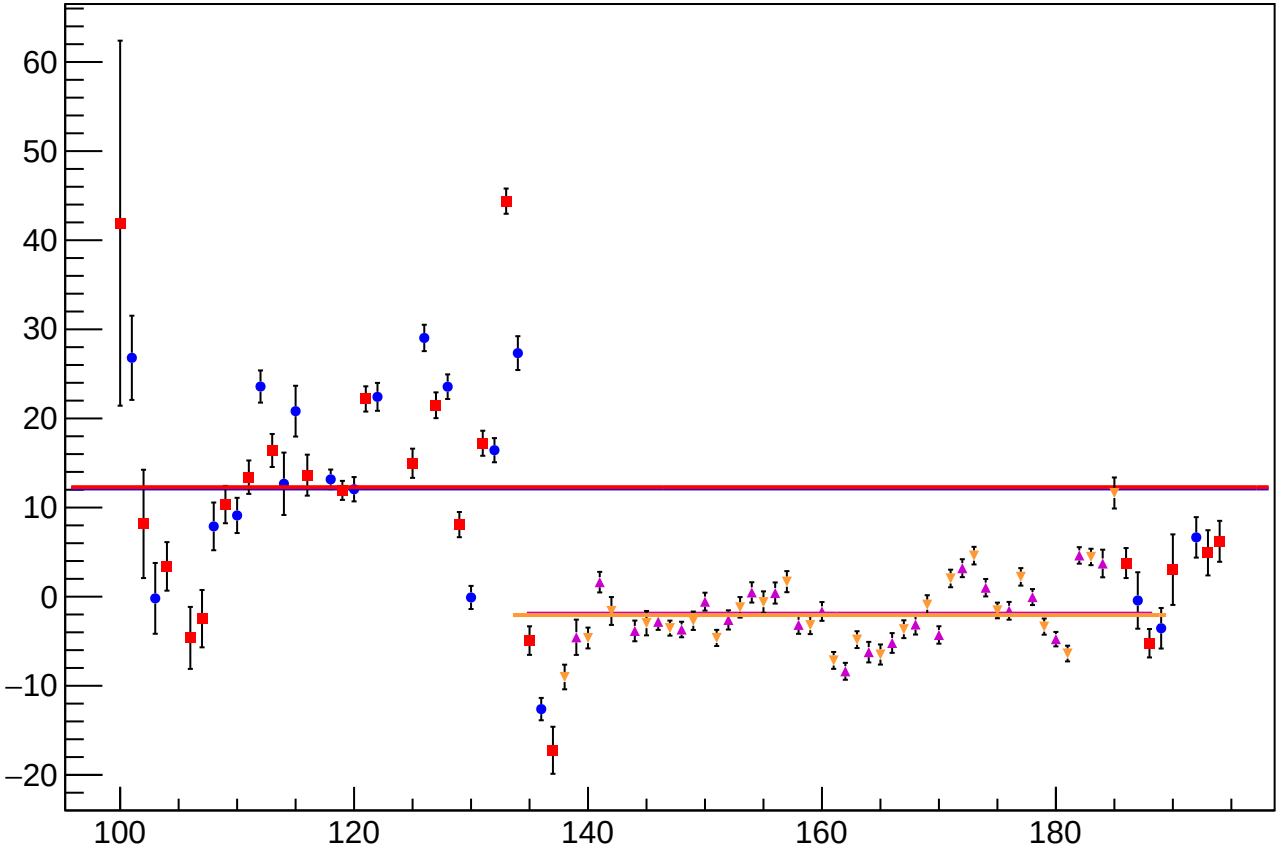
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

\+ sign -27.550+/-0.200 χ^2/NDF: 10027.9/42

All: -27.697+/-0.138 χ^2/NDF: 20282.7/88

\- sign -27.830+/-0.190 χ^2/NDF: 10253.8/45

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

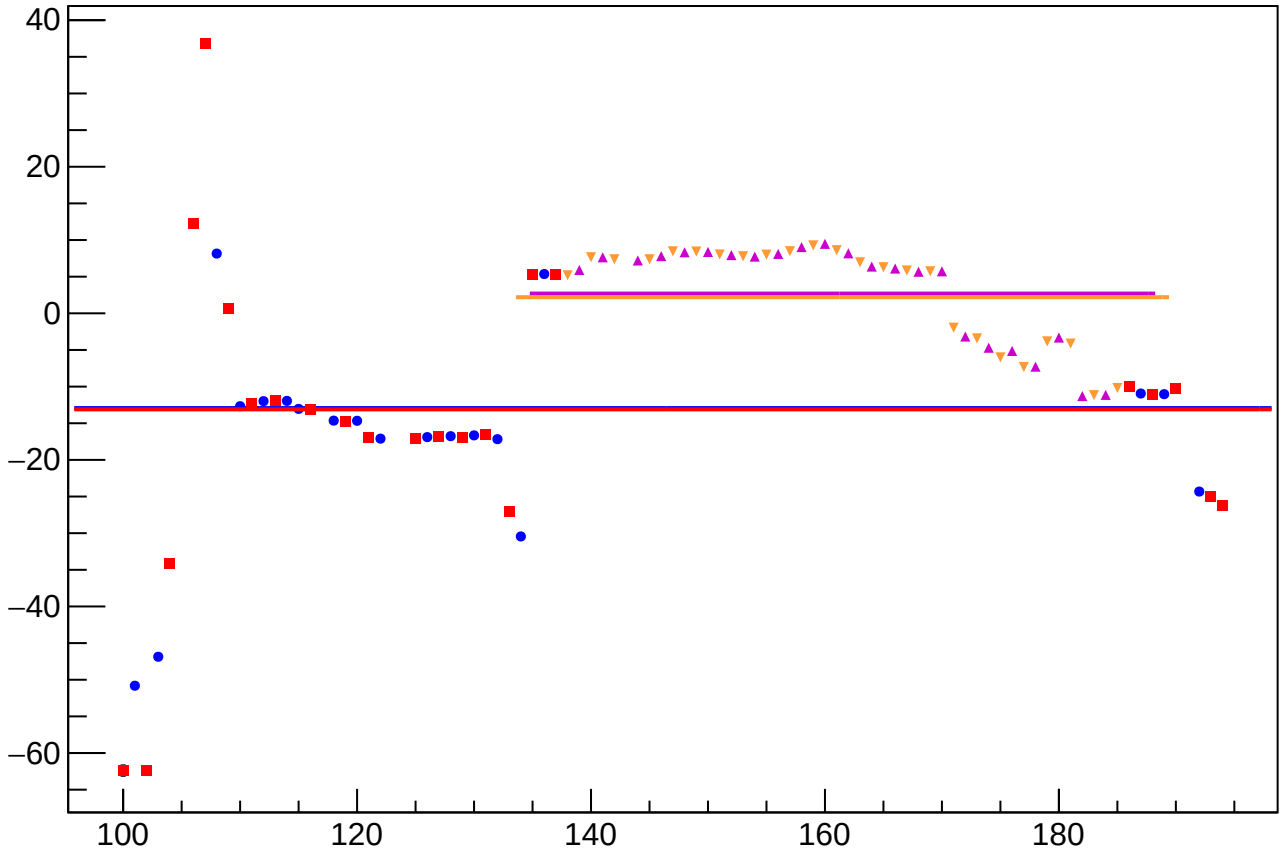
Right Out: 12.283+/-0.385 χ^2/NDF: 1099.2/22

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

+ sign 1.079+/-0.187 χ^2/NDF: 2260.6/42

All: 1.288+/-0.133 χ^2/NDF: 4618.1/88

- sign 1.500+/-0.188 χ^2/NDF: 2355.0/45



Right In: -12.930+/-0.024 χ^2/NDF: 388777.7/18

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -13.107+/-0.022 χ^2/NDF: 471847.1/22

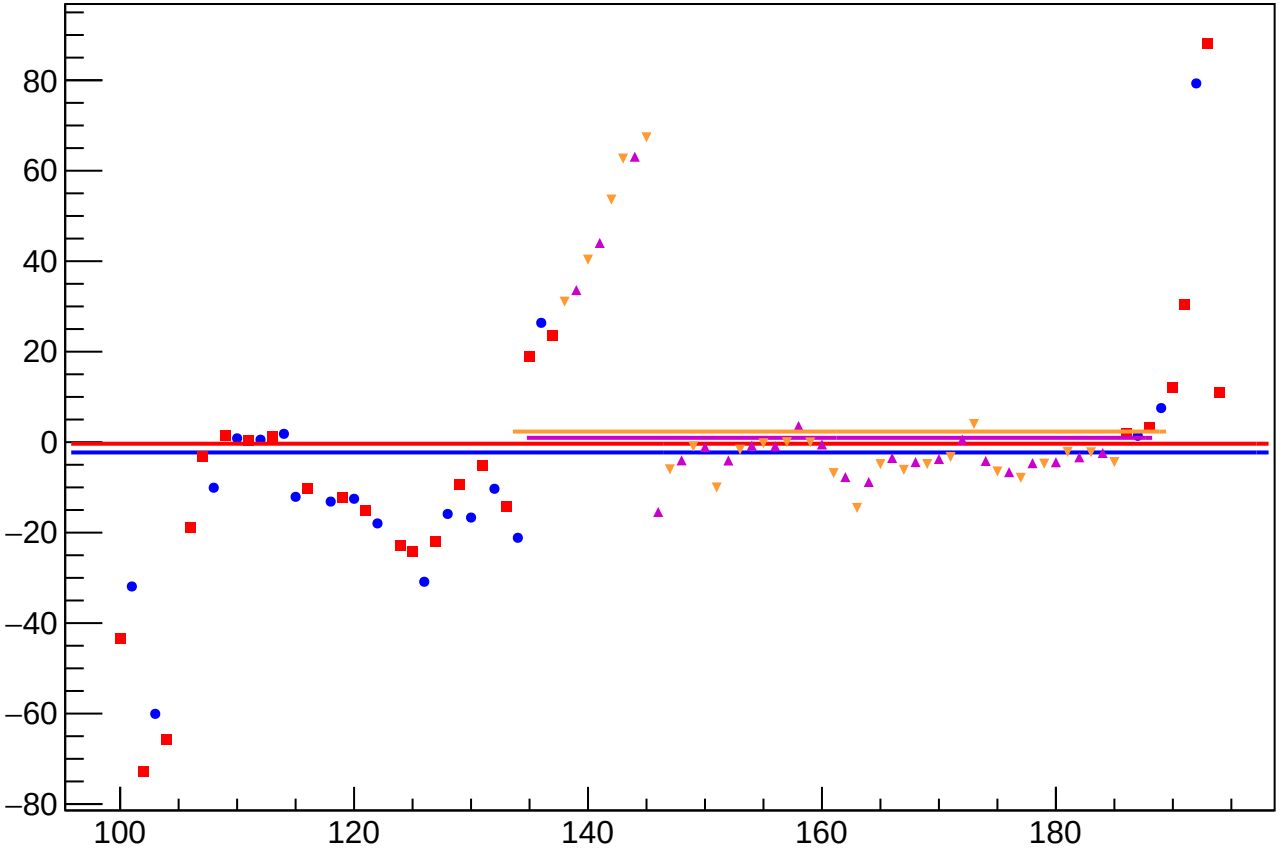
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

+ sign 0.102+/-0.009 χ^2/NDF: 1249028.5/42

All: 0.172+/-0.006 χ^2/NDF: 2644641.5/88

- sign 0.241+/-0.009 χ^2/NDF: 1395488.2/45

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: -0.347+/-0.040 χ^2/NDF: 114521.7/24

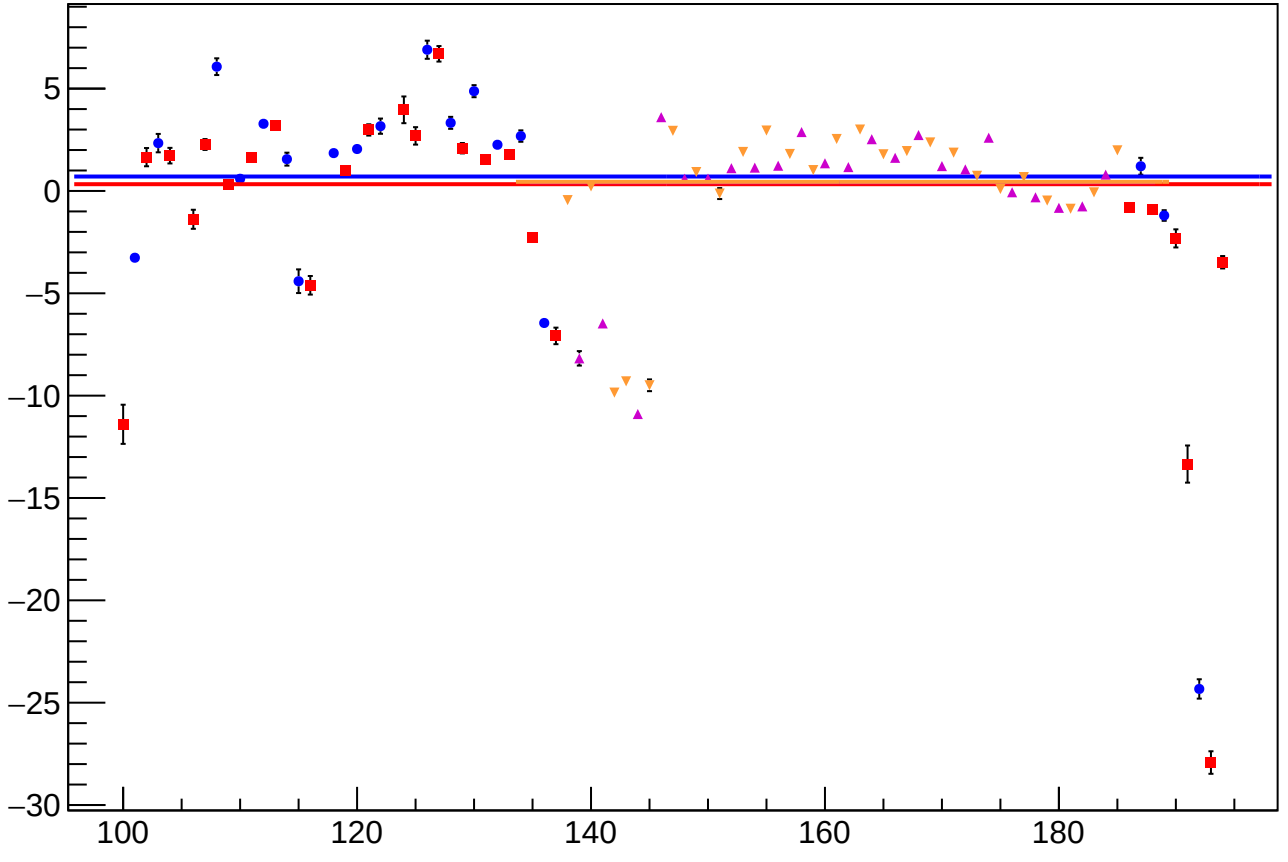
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 0.599+/-0.032 χ^2/NDF: 291774.6/43

All: 0.441+/-0.021 χ^2/NDF: 539387.6/91

- sign 0.314+/-0.028 χ^2/NDF: 247568.0/47

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: 0.330+/-0.051 χ^2/NDF: 4912.7/24

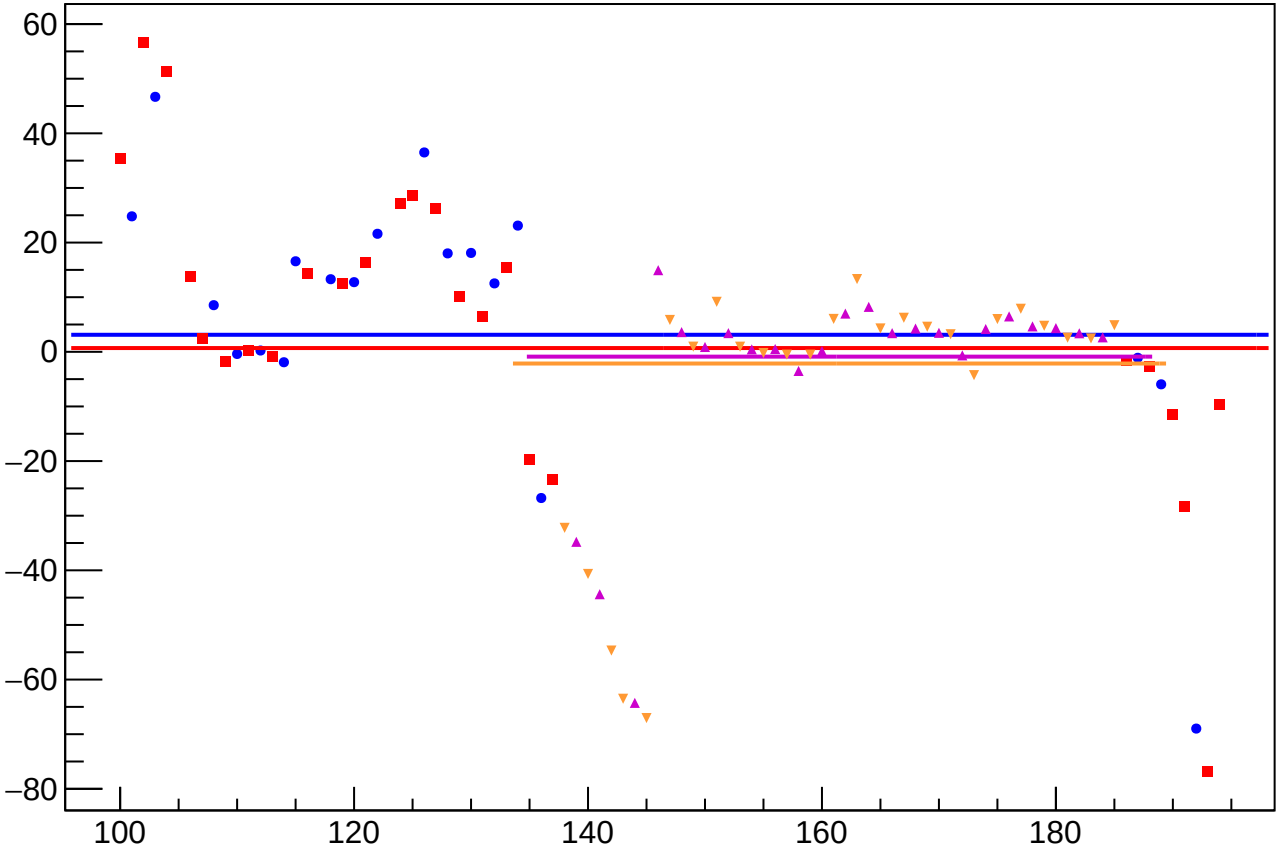
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.509+/-0.029 χ^2/NDF: 12568.2/43

All: 0.451+/-0.020 χ^2/NDF: 24593.6/91

- sign 0.401+/-0.027 χ^2/NDF: 12017.7/47

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: 0.690+/-0.045 χ^2/NDF: 112806.6/24

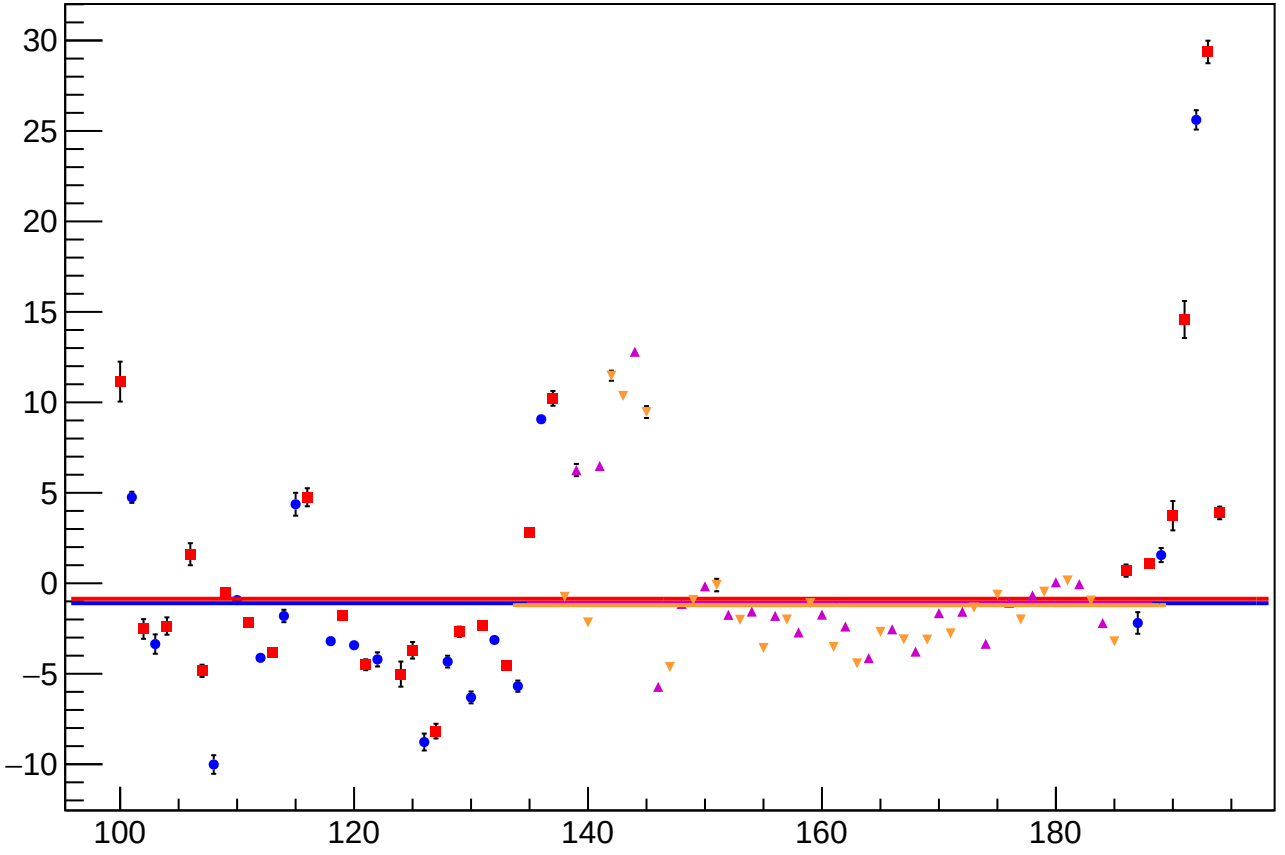
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -0.457+/-0.033 χ^2/NDF: 284996.7/43

All: -0.314+/-0.022 χ^2/NDF: 527727.1/91

- sign -0.199+/-0.030 χ^2/NDF: 242696.7/47

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: -0.855+/-0.060 χ^2/NDF: 5492.8/24

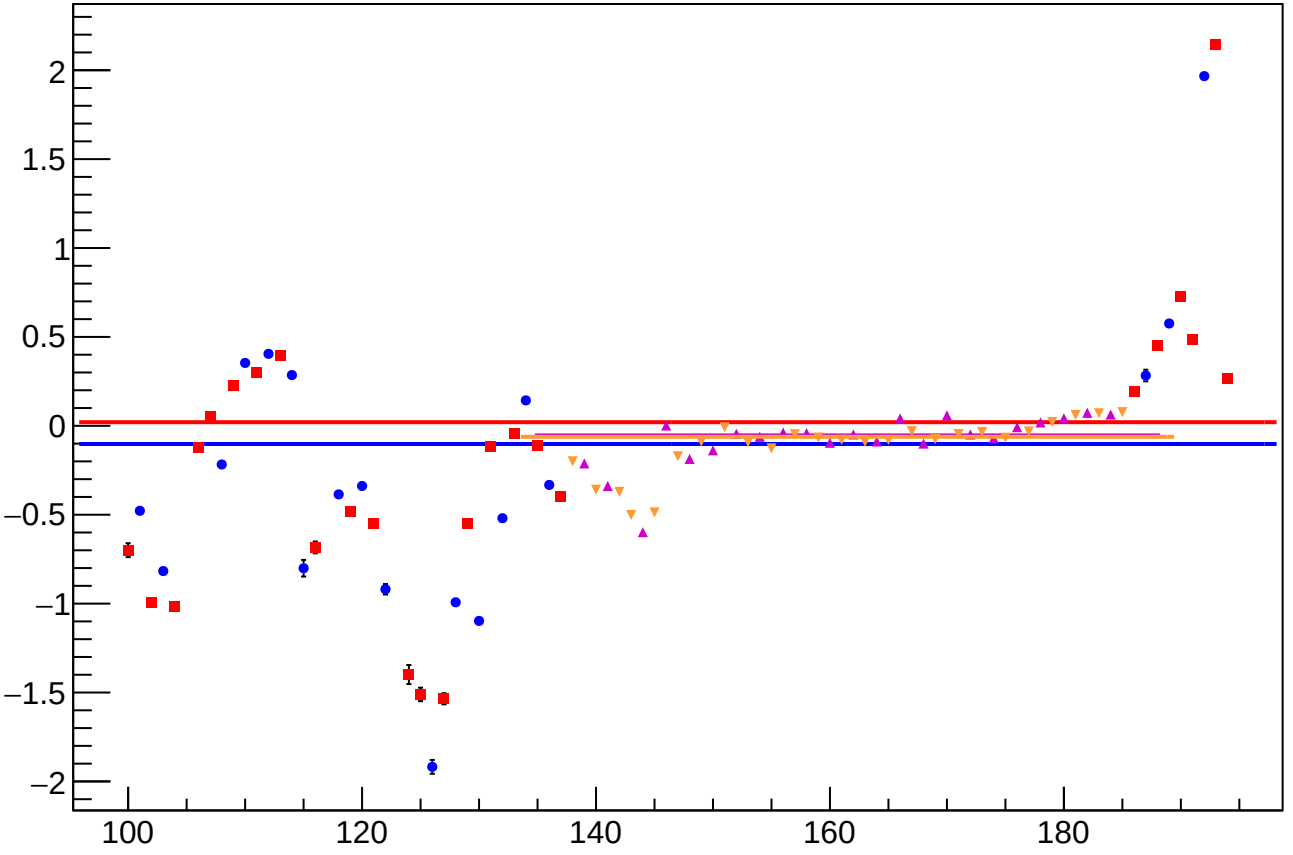
Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.182+/-0.032 χ^2/NDF: 14128.3/43

All: -1.103+/-0.022 χ^2/NDF: 26673.7/91

- sign -1.033+/-0.030 χ^2/NDF: 12533.9/47

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: 0.020+/-0.003 χ^2/NDF: 32770.0/24

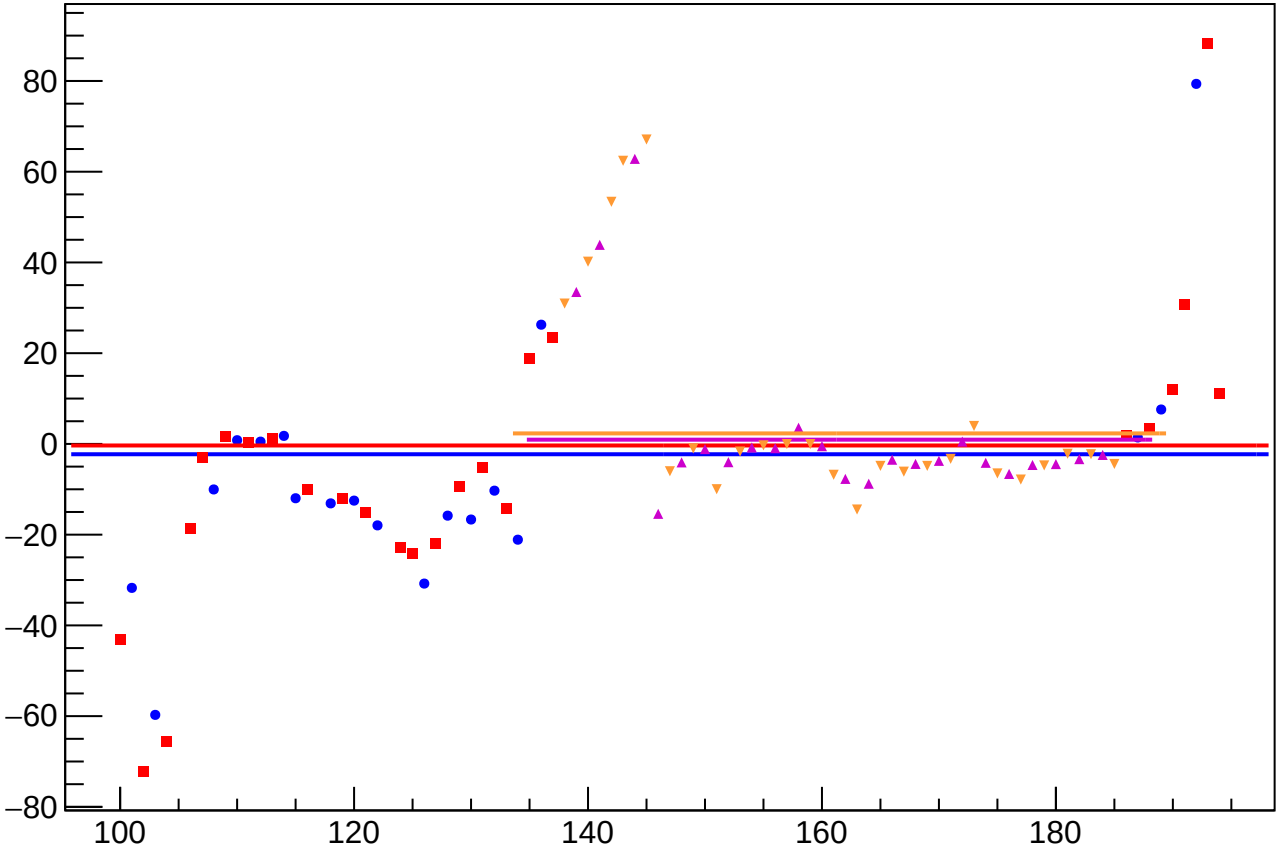
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.067+/-0.001 χ^2/NDF: 36124.0/43

All: -0.053+/-0.001 χ^2/NDF: 74519.6/91

- sign -0.041+/-0.001 χ^2/NDF: 38223.5/47

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: -0.343+/-0.040 χ^2/NDF: 114890.0/24

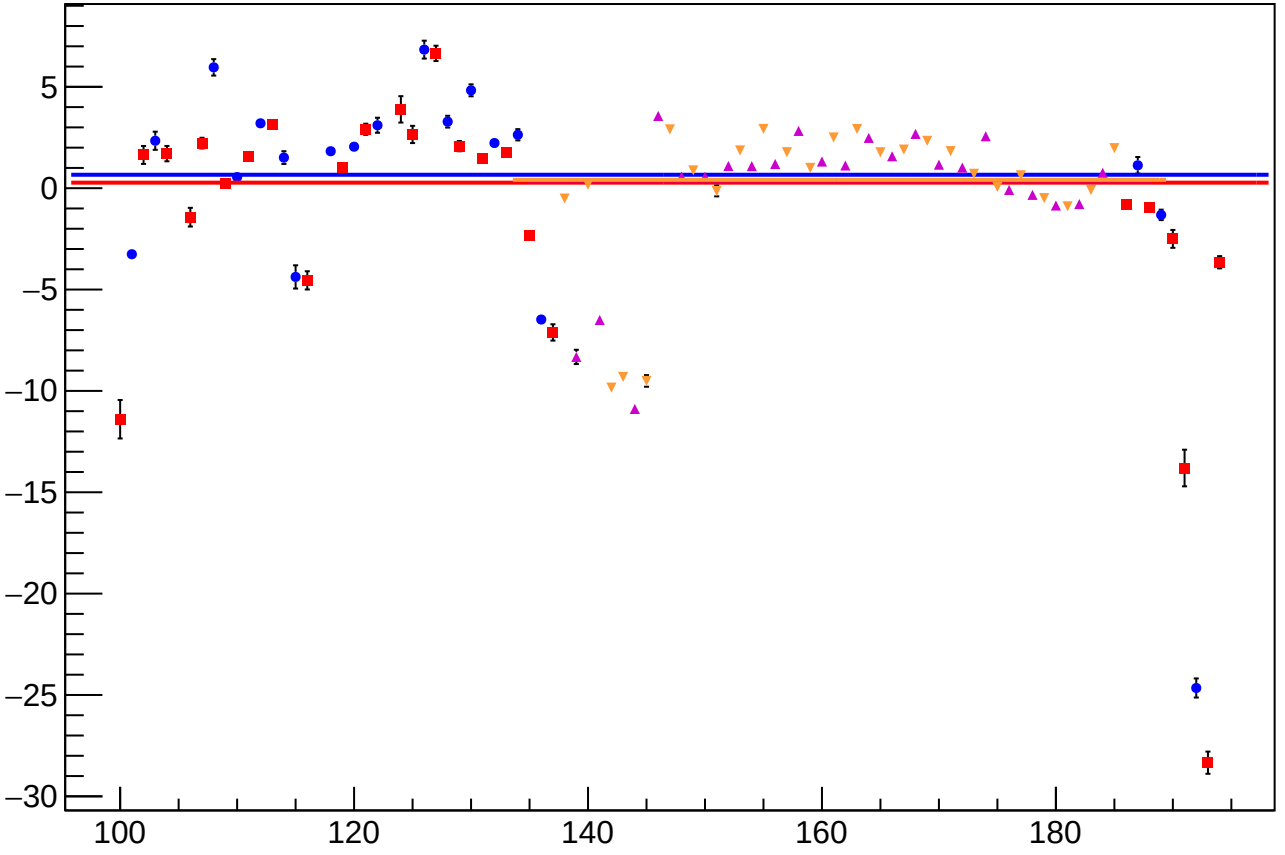
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 0.580+/-0.032 χ^2/NDF: 291824.8/43

All: 0.425+/-0.021 χ^2/NDF: 539673.5/91

- sign 0.302+/-0.028 χ^2/NDF: 247805.8/47

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: 0.274+/-0.051 χ^2/NDF: 5053.8/24

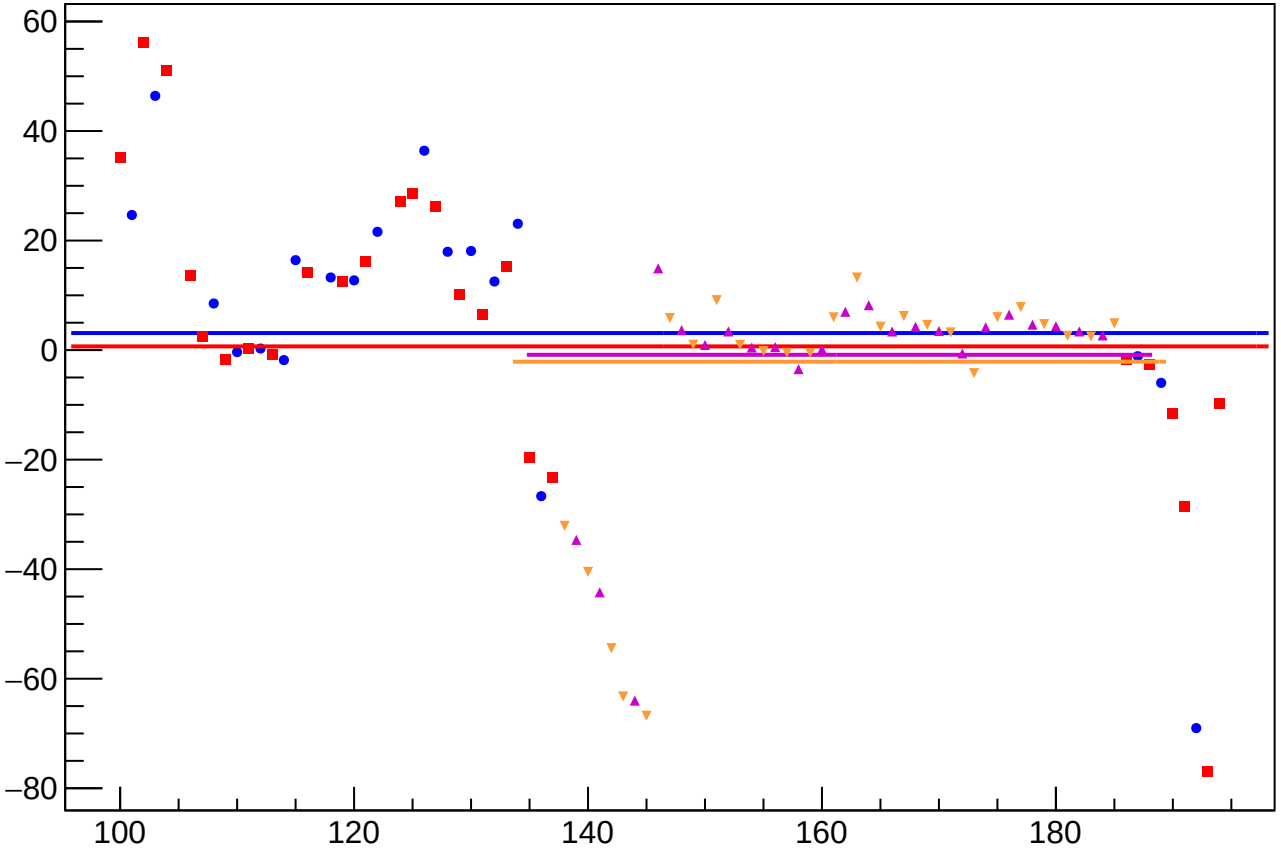
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.475+/-0.028 χ^2/NDF: 12662.4/43

All: 0.412+/-0.019 χ^2/NDF: 24843.2/91

- sign 0.357+/-0.027 χ^2/NDF: 12171.7/47

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: 0.678+/-0.045 χ^2/NDF: 113172.4/24

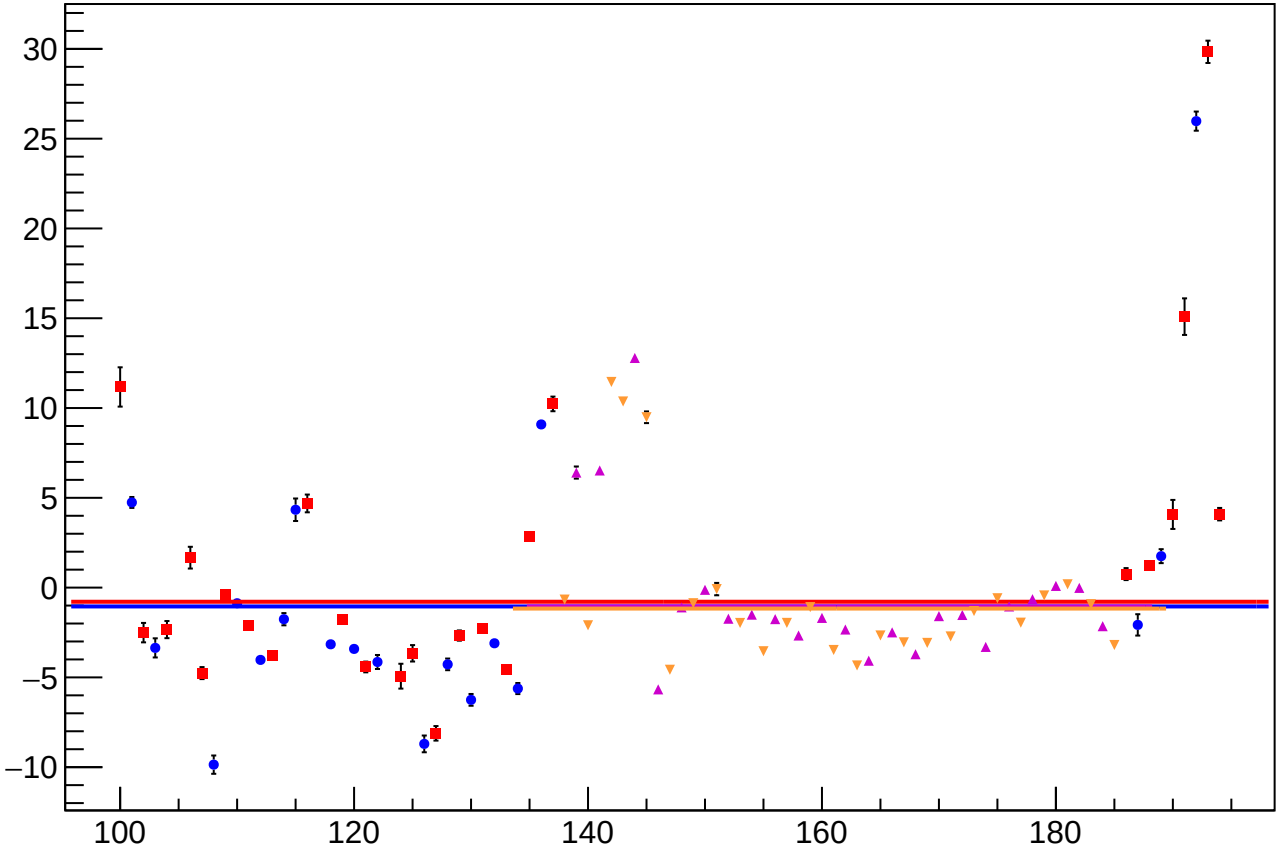
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -0.439+/-0.033 χ^2/NDF: 285042.2/43

All: -0.299+/-0.022 χ^2/NDF: 528000.6/91

- sign -0.188+/-0.029 χ^2/NDF: 242926.4/47

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: -0.788+/-0.059 χ^2/NDF: 5630.7/24

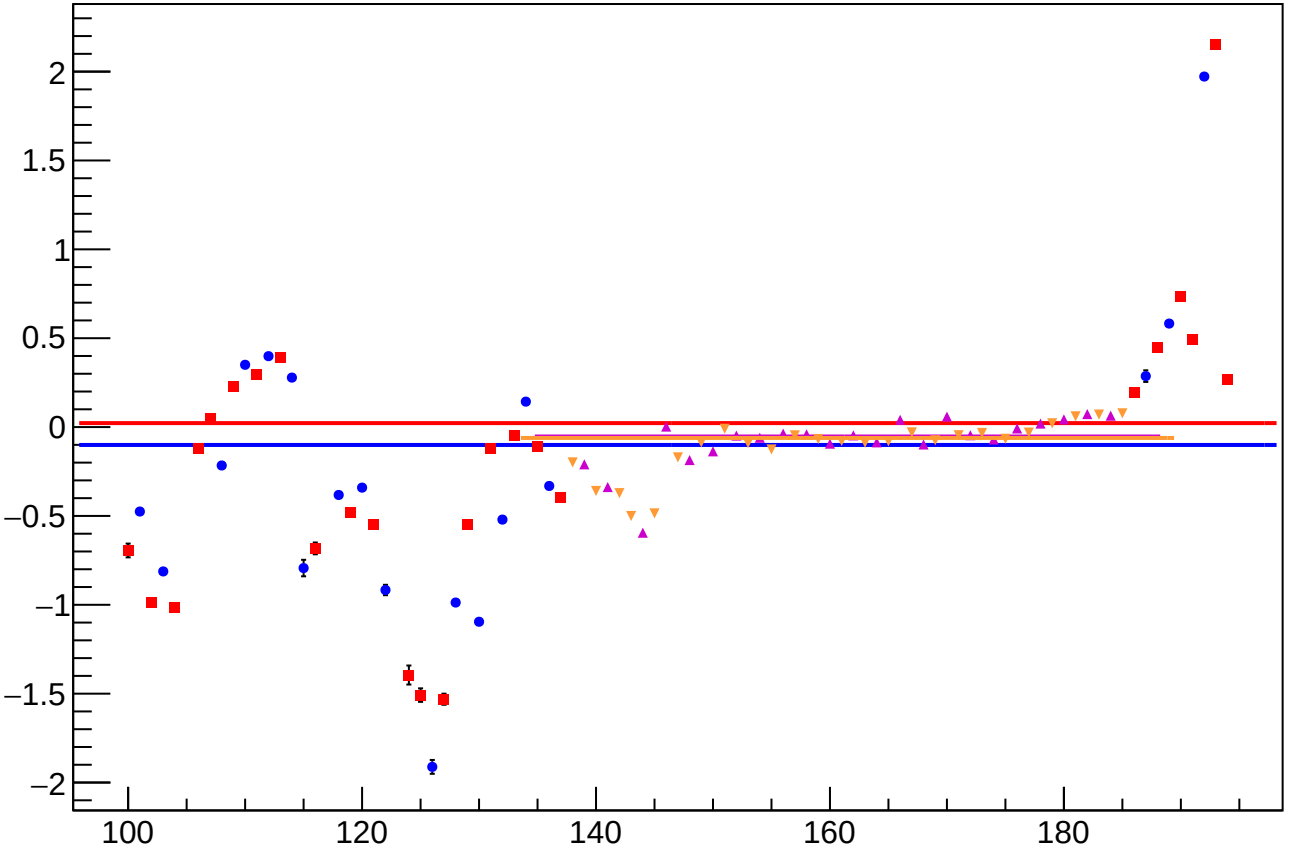
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.141+/-0.032 χ^2/NDF: 14211.2/43

All: -1.057+/-0.022 χ^2/NDF: 26910.2/91

- sign -0.982+/-0.030 χ^2/NDF: 12685.8/47

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.101+/-0.004 χ^2/NDF: 30528.4/18

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.022+/-0.003 χ^2/NDF: 33042.6/24

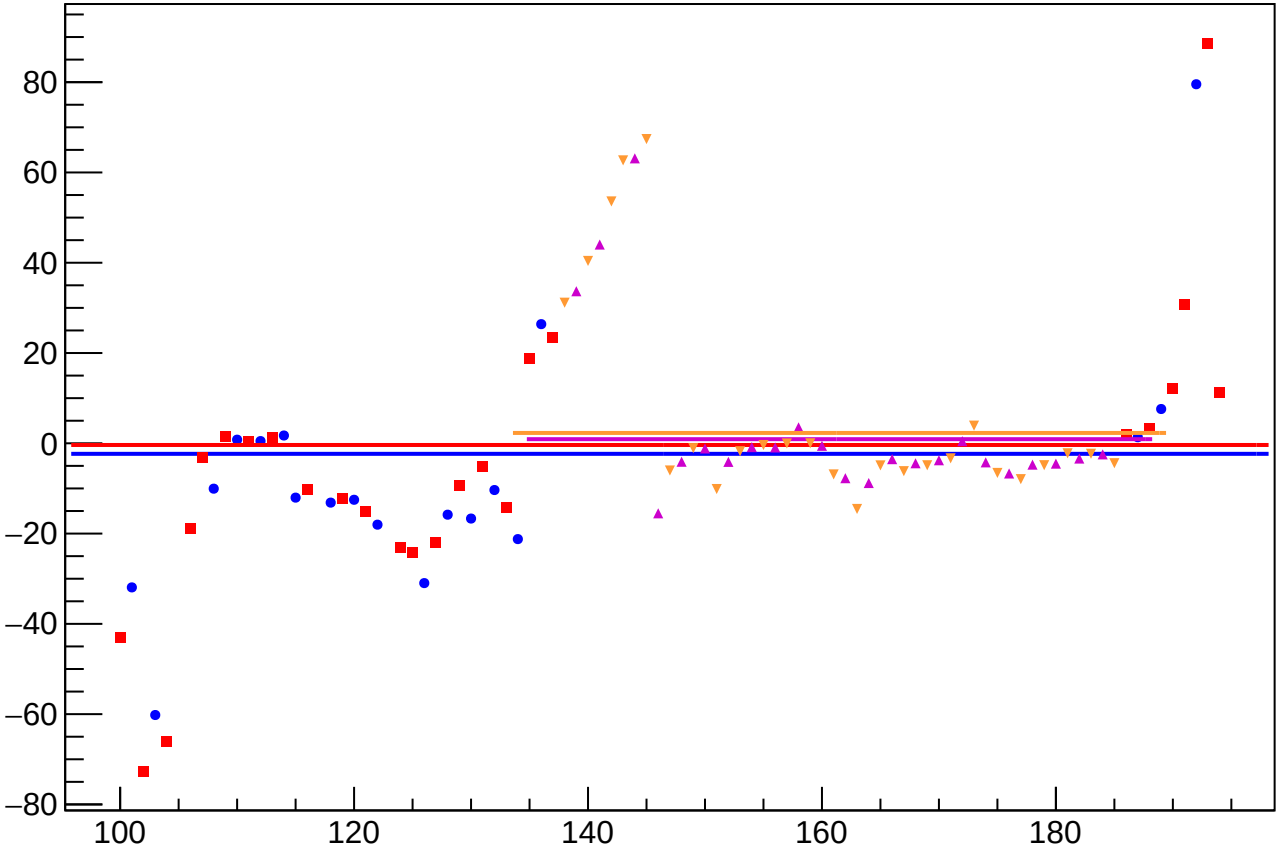
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.067+/-0.001 χ^2/NDF: 36346.3/43

All: -0.052+/-0.001 χ^2/NDF: 75014.5/91

- sign -0.040+/-0.001 χ^2/NDF: 38489.1/47

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: -0.372+/-0.040 χ^2/NDF: 114899.4/24

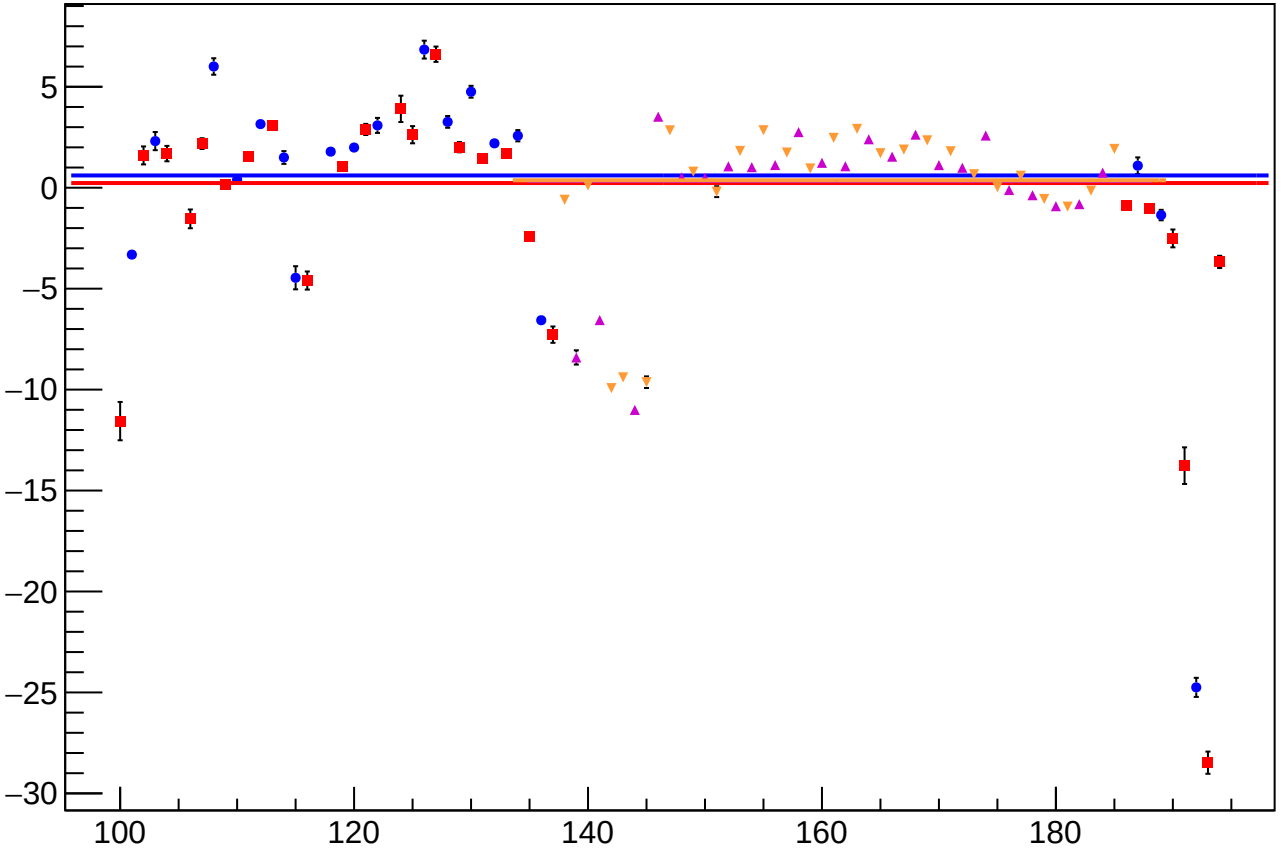
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 0.549+/-0.032 χ^2/NDF: 292266.4/43

All: 0.398+/-0.021 χ^2/NDF: 540291.1/91

- sign 0.277+/-0.028 χ^2/NDF: 247983.9/47

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: 0.232+/-0.051 χ^2/NDF: 5054.7/24

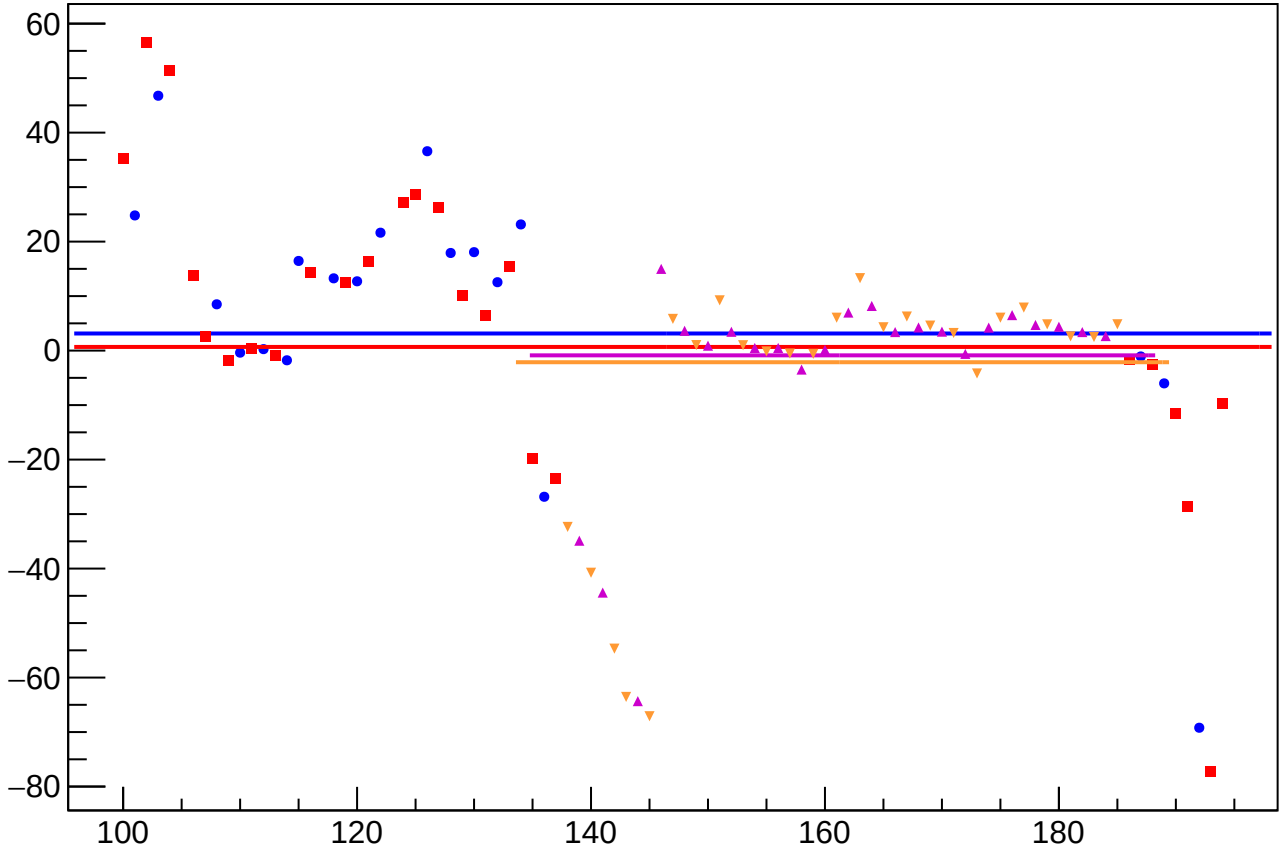
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.426+/-0.029 χ^2/NDF: 12678.6/43

All: 0.363+/-0.020 χ^2/NDF: 24839.8/91

- sign 0.308+/-0.027 χ^2/NDF: 12152.1/47

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: 0.672+/-0.045 χ^2/NDF: 113209.2/24

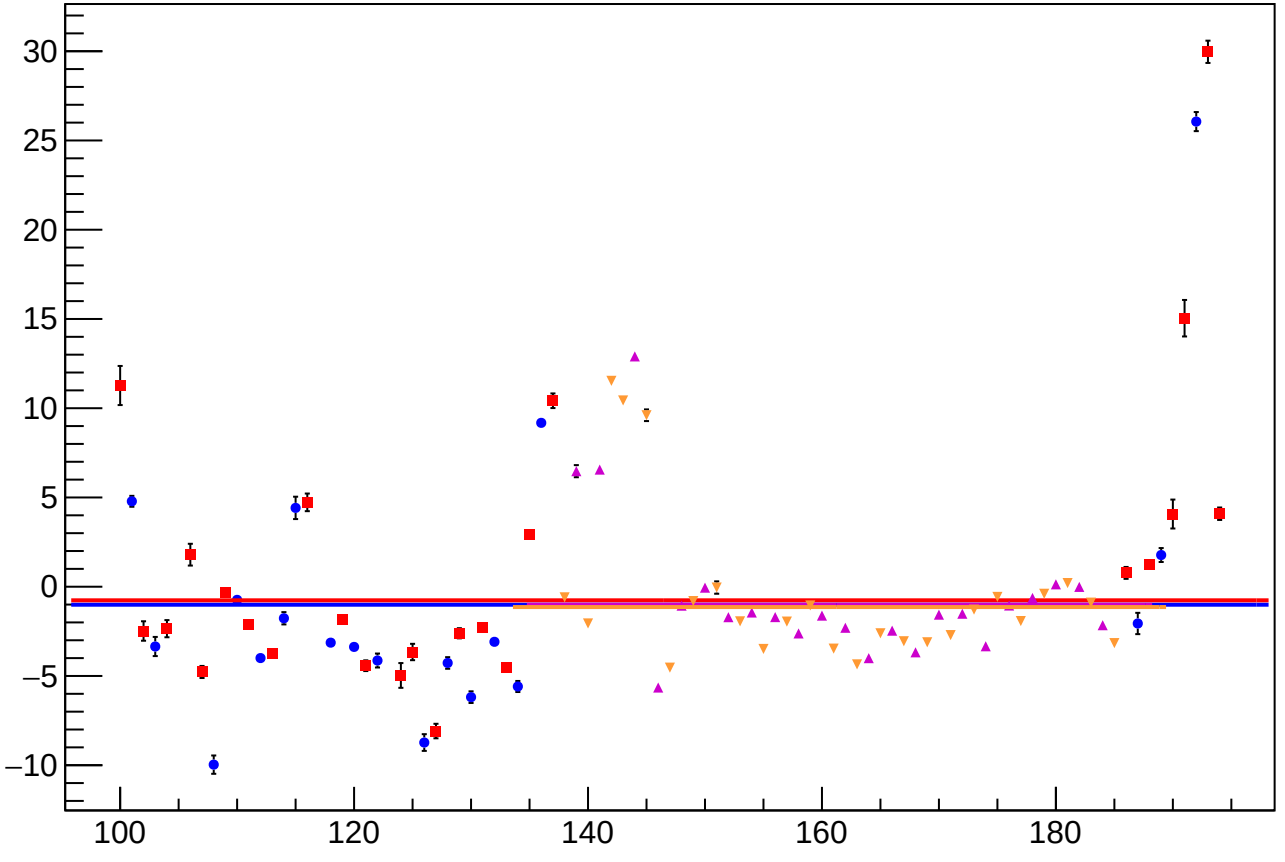
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -0.443+/-0.033 χ^2/NDF: 285496.1/43

All: -0.306+/-0.022 χ^2/NDF: 528670.1/91

- sign -0.197+/-0.030 χ^2/NDF: 243143.5/47

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: -0.762+/-0.060 χ^2/NDF: 5642.2/24

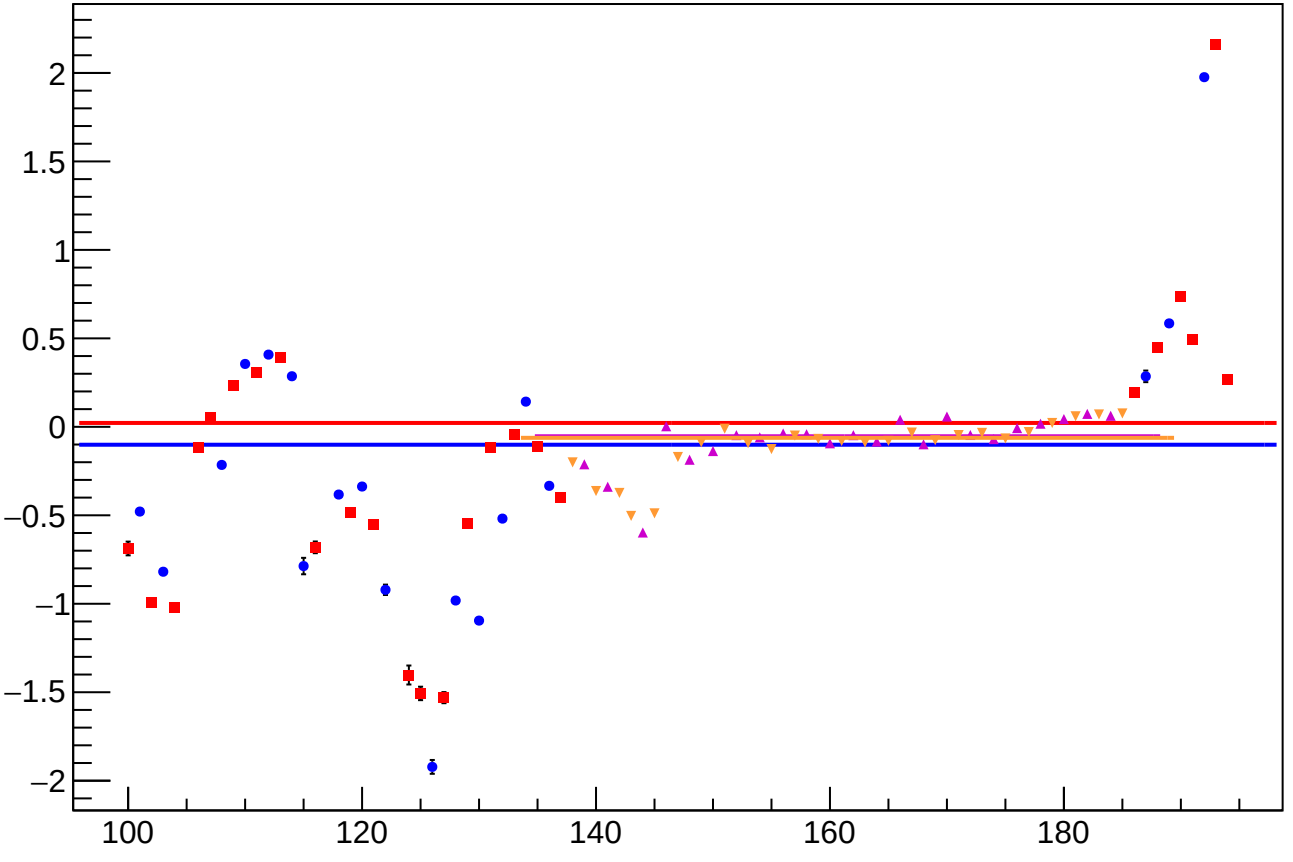
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.110+/-0.032 χ^2/NDF: 14235.7/43

All: -1.025+/-0.022 χ^2/NDF: 26931.6/91

- sign -0.949+/-0.030 χ^2/NDF: 12682.6/47

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: 0.022+/-0.003 χ^2/NDF: 33001.9/24

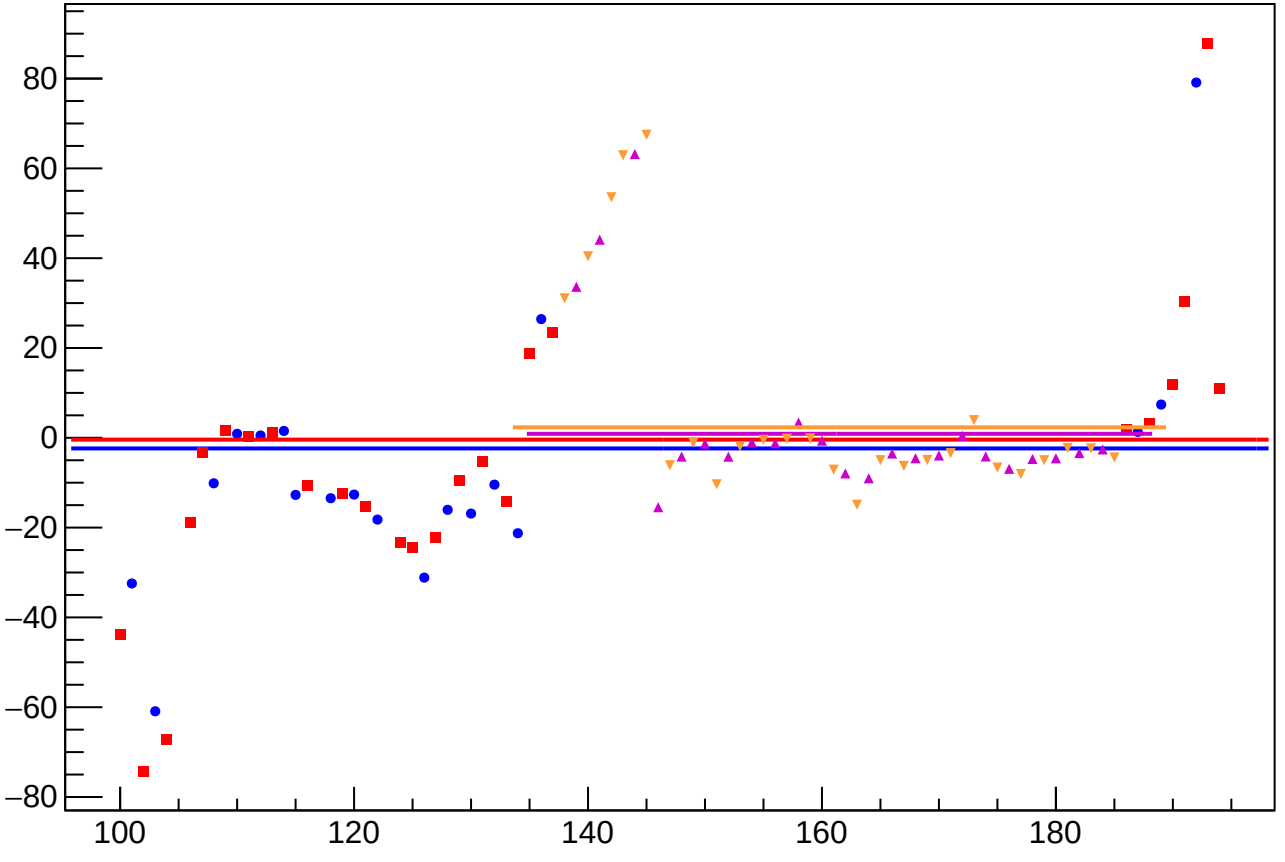
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.068+/-0.001 χ^2/NDF: 36353.0/43

All: -0.053+/-0.001 χ^2/NDF: 74969.1/91

- sign -0.040+/-0.001 χ^2/NDF: 38430.5/47

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: -0.407+/-0.041 χ^2/NDF: 113386.3/24

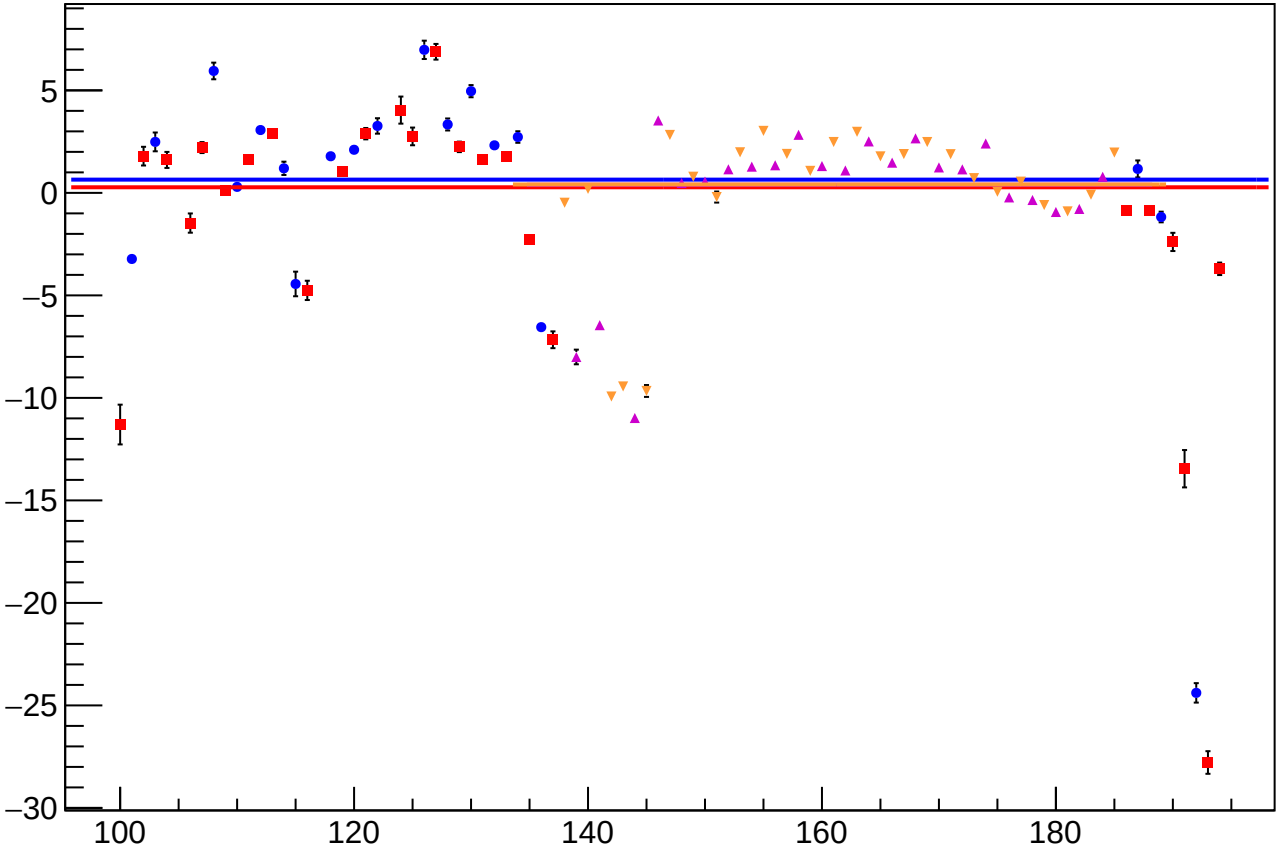
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 0.551+/-0.032 χ^2/NDF: 288135.2/43

All: 0.381+/-0.022 χ^2/NDF: 532487.5/91

- sign 0.246+/-0.029 χ^2/NDF: 244303.0/47

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: 0.273+/-0.052 χ^2/NDF: 4838.2/24

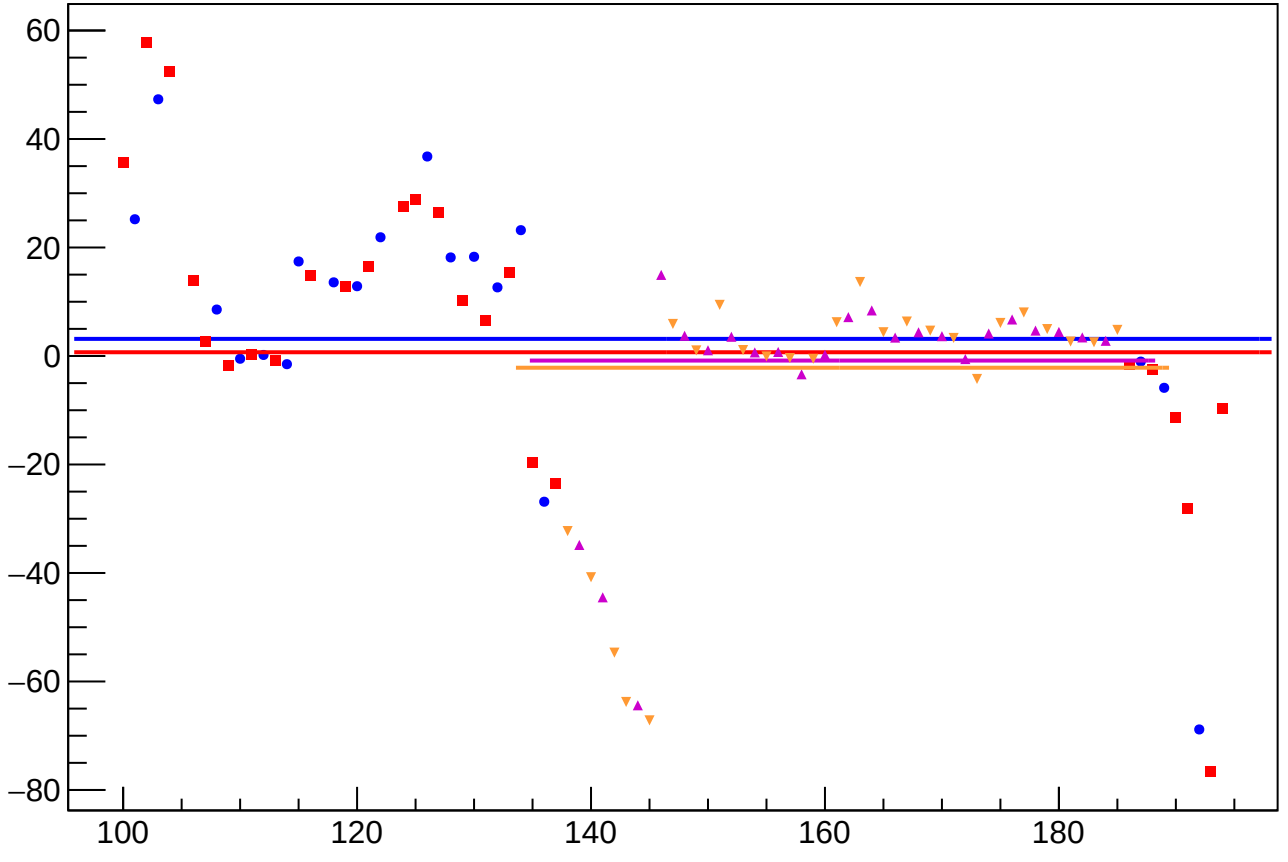
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.468+/-0.029 χ^2/NDF: 12514.2/43

All: 0.411+/-0.020 χ^2/NDF: 24295.5/91

- sign 0.362+/-0.027 χ^2/NDF: 11774.3/47

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: 0.690+/-0.045 χ^2/NDF: 111721.1/24

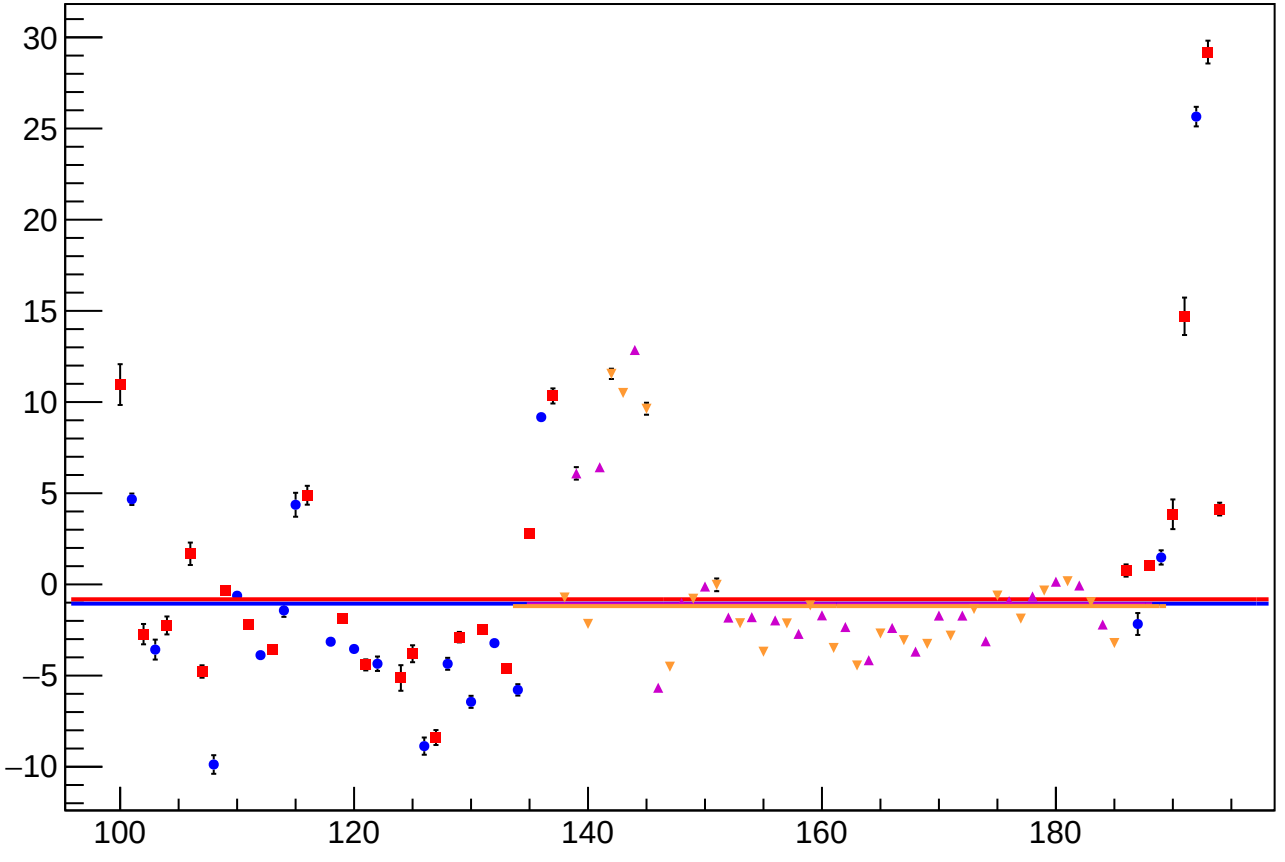
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -0.450+/-0.034 χ^2/NDF: 281441.1/43

All: -0.292+/-0.022 χ^2/NDF: 520976.9/91

- sign -0.168+/-0.030 χ^2/NDF: 239497.0/47

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: -0.815+/-0.061 χ^2/NDF: 5423.7/24

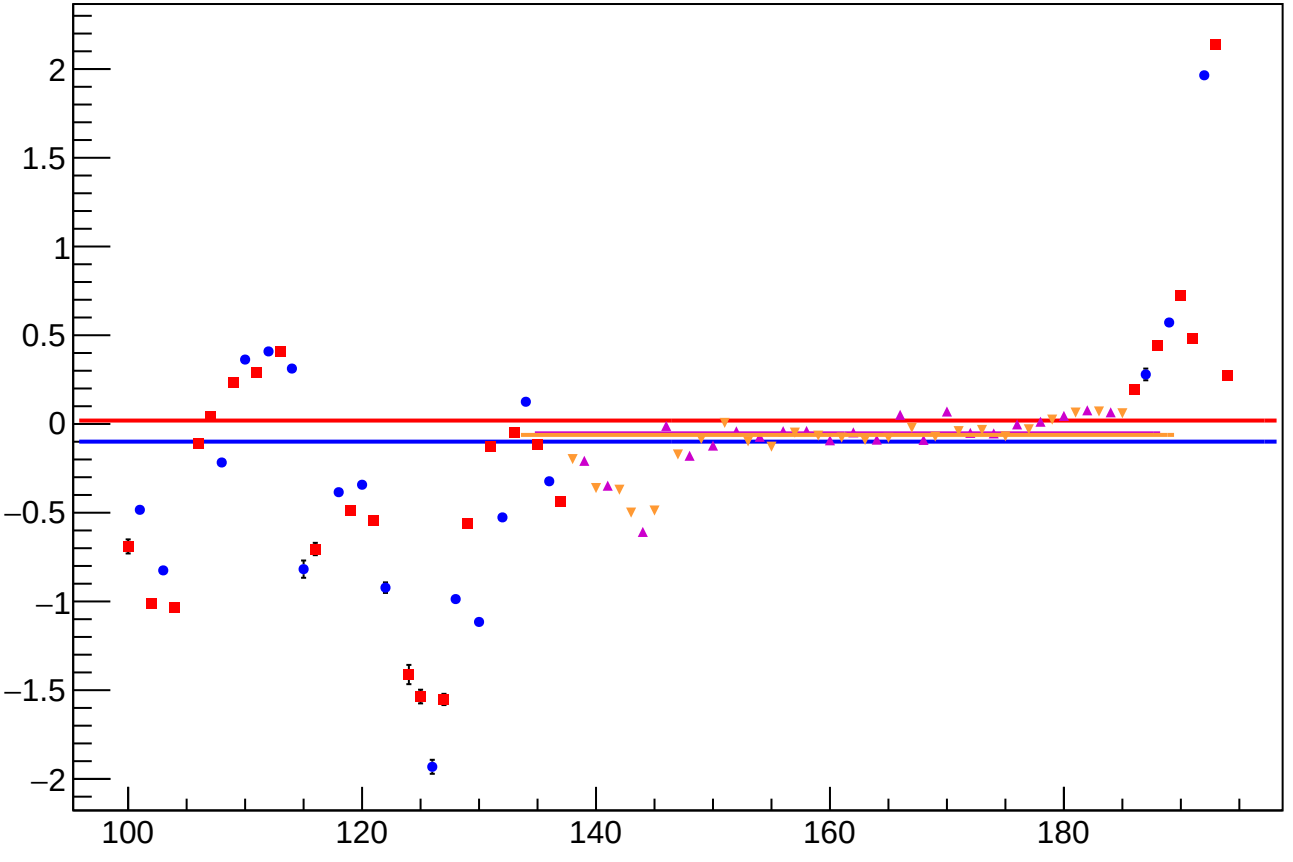
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.160+/-0.033 χ^2/NDF: 14050.3/43

All: -1.085+/-0.022 χ^2/NDF: 26339.8/91

- sign -1.019+/-0.031 χ^2/NDF: 12279.7/47

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: 0.019+/-0.003 χ^2/NDF: 32542.2/24

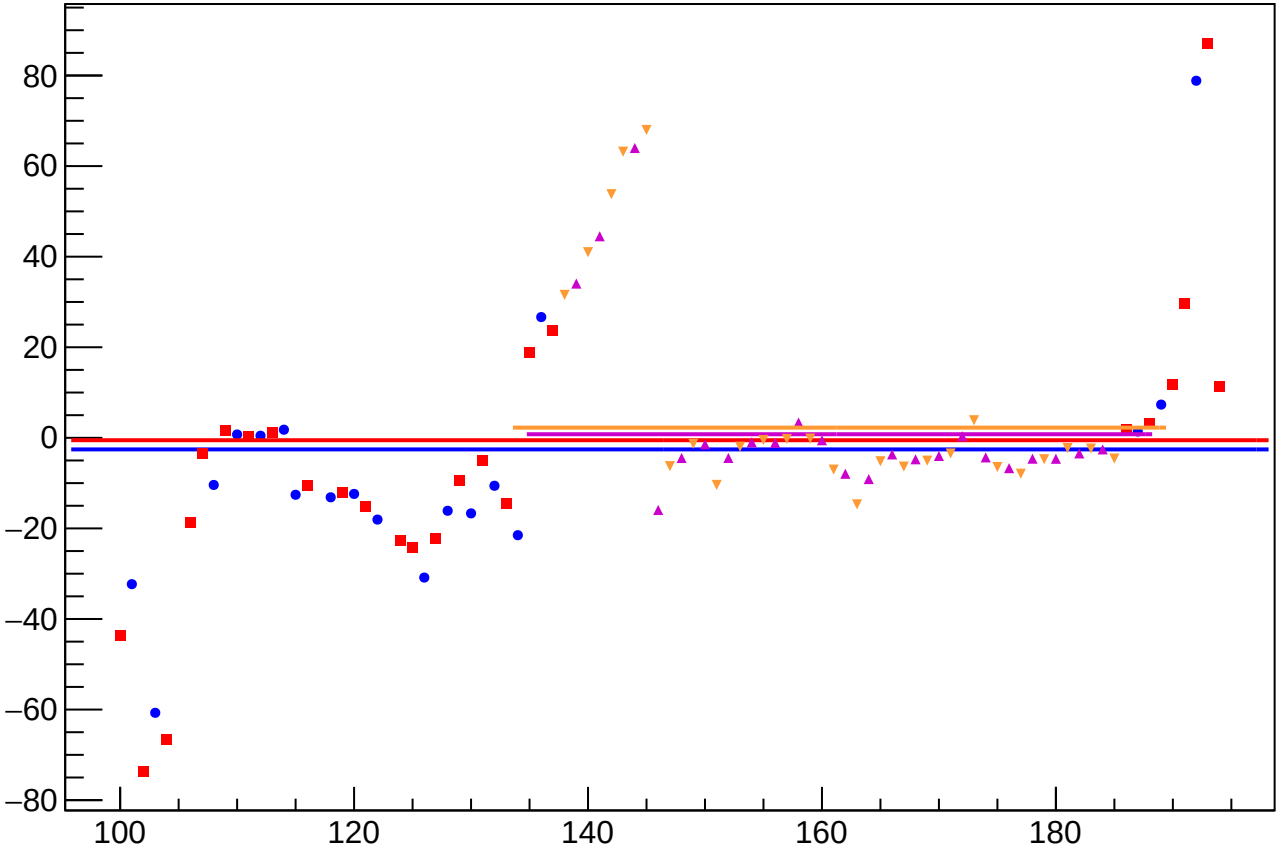
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.067+/-0.001 χ^2/NDF: 35586.0/43

All: -0.053+/-0.001 χ^2/NDF: 73722.7/91

- sign -0.040+/-0.001 χ^2/NDF: 37965.0/47

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -2.557+/-0.054 χ^2/NDF: 106693.7/18

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -0.528+/-0.042 χ^2/NDF: 111222.1/24

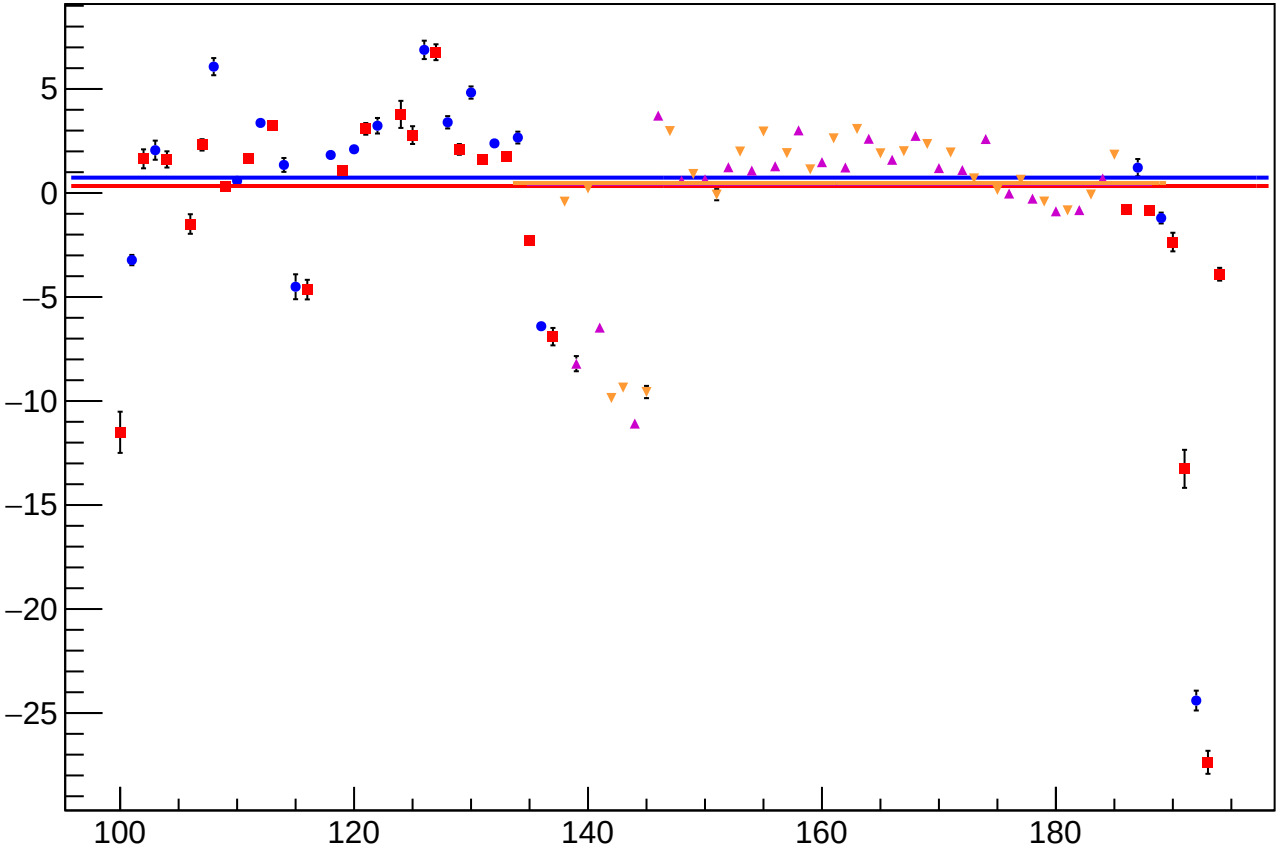
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 0.451+/-0.033 χ^2/NDF: 283406.1/43

All: 0.283+/-0.022 χ^2/NDF: 524007.5/91

- sign 0.148+/-0.029 χ^2/NDF: 240554.1/47

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: 0.336+/-0.052 χ^2/NDF: 4726.1/24

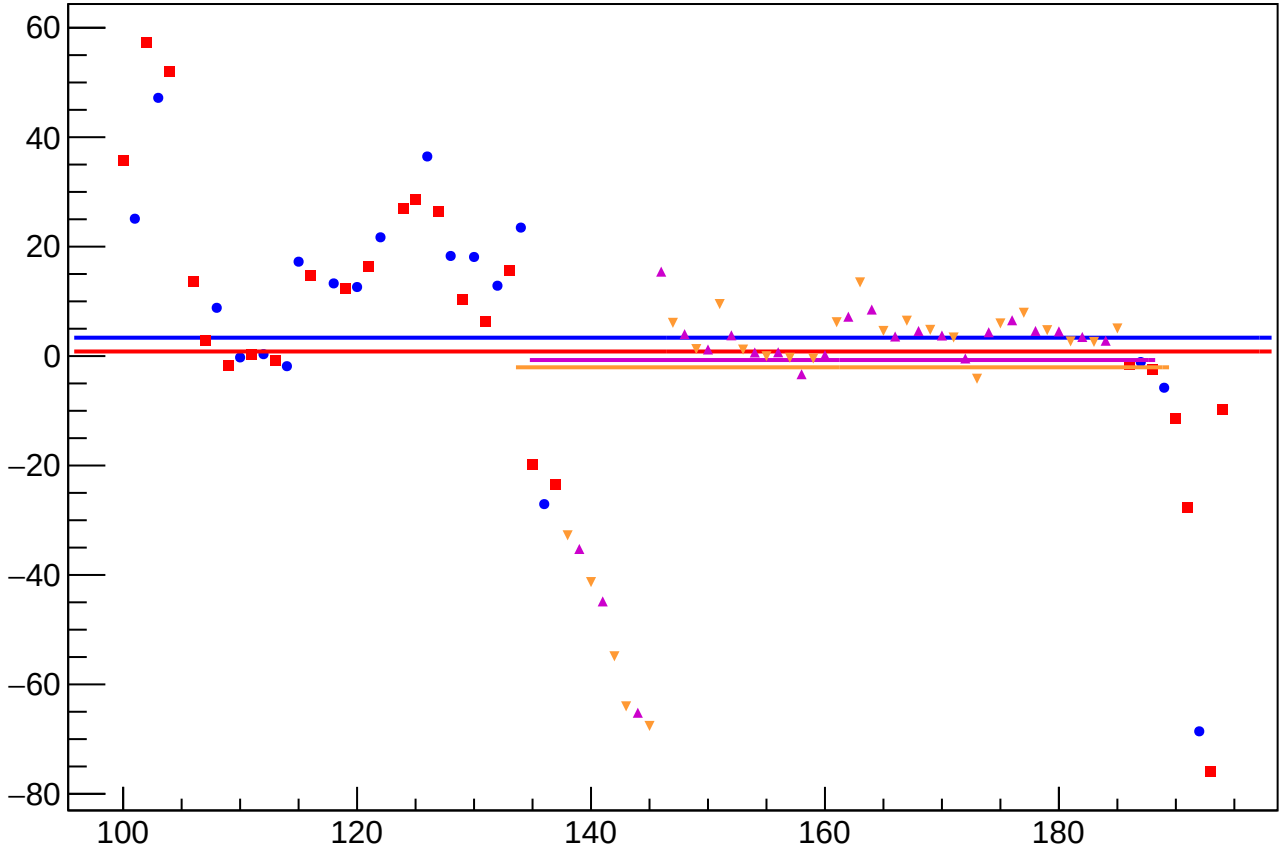
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.542+/-0.029 χ^2/NDF: 12175.4/43

All: 0.472+/-0.020 χ^2/NDF: 23808.7/91

- sign 0.411+/-0.028 χ^2/NDF: 11622.7/47

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: 0.840+/-0.046 χ^2/NDF: 109569.3/24

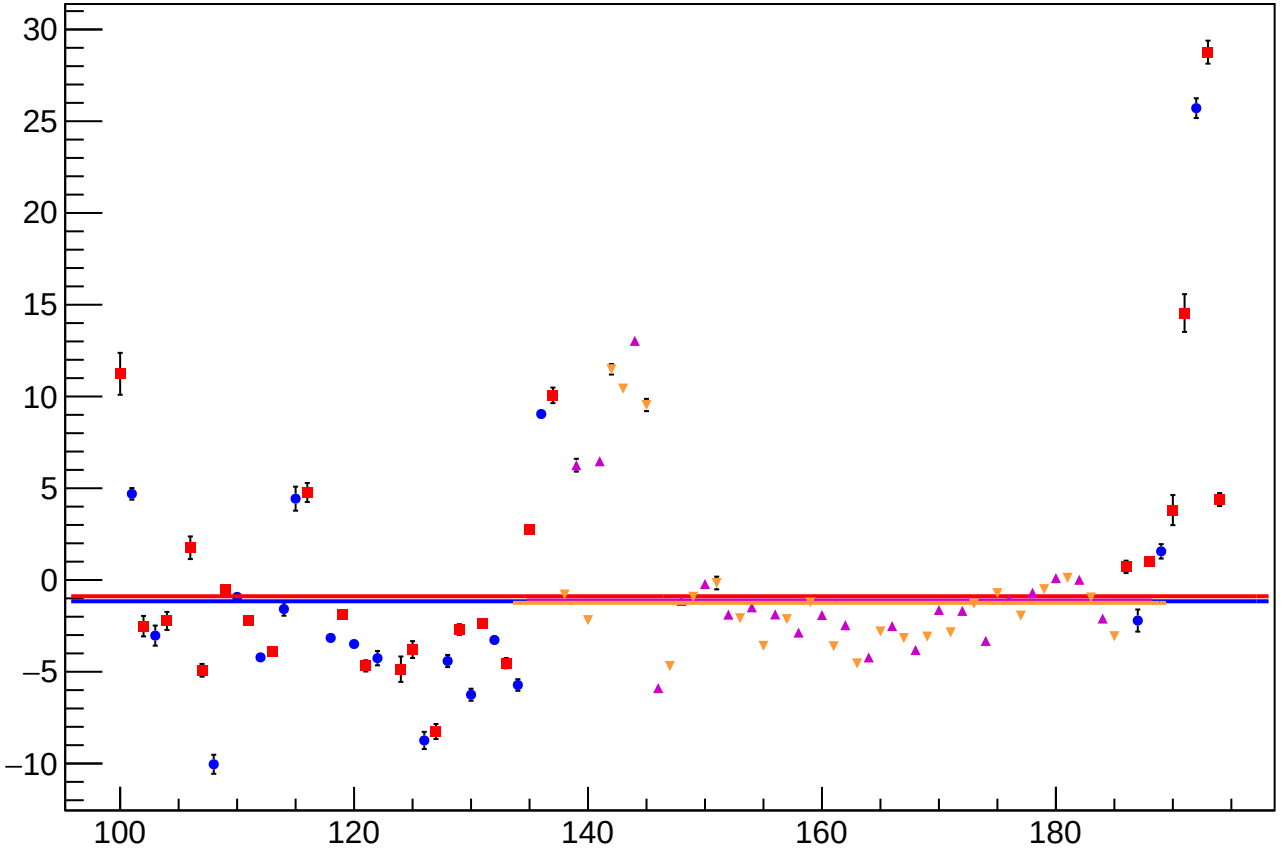
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -0.313+/-0.034 χ^2/NDF: 276666.5/43

All: -0.160+/-0.023 χ^2/NDF: 512448.6/91

- sign -0.039+/-0.030 χ^2/NDF: 235746.2/47

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: -0.885+/-0.062 χ^2/NDF: 5276.6/24

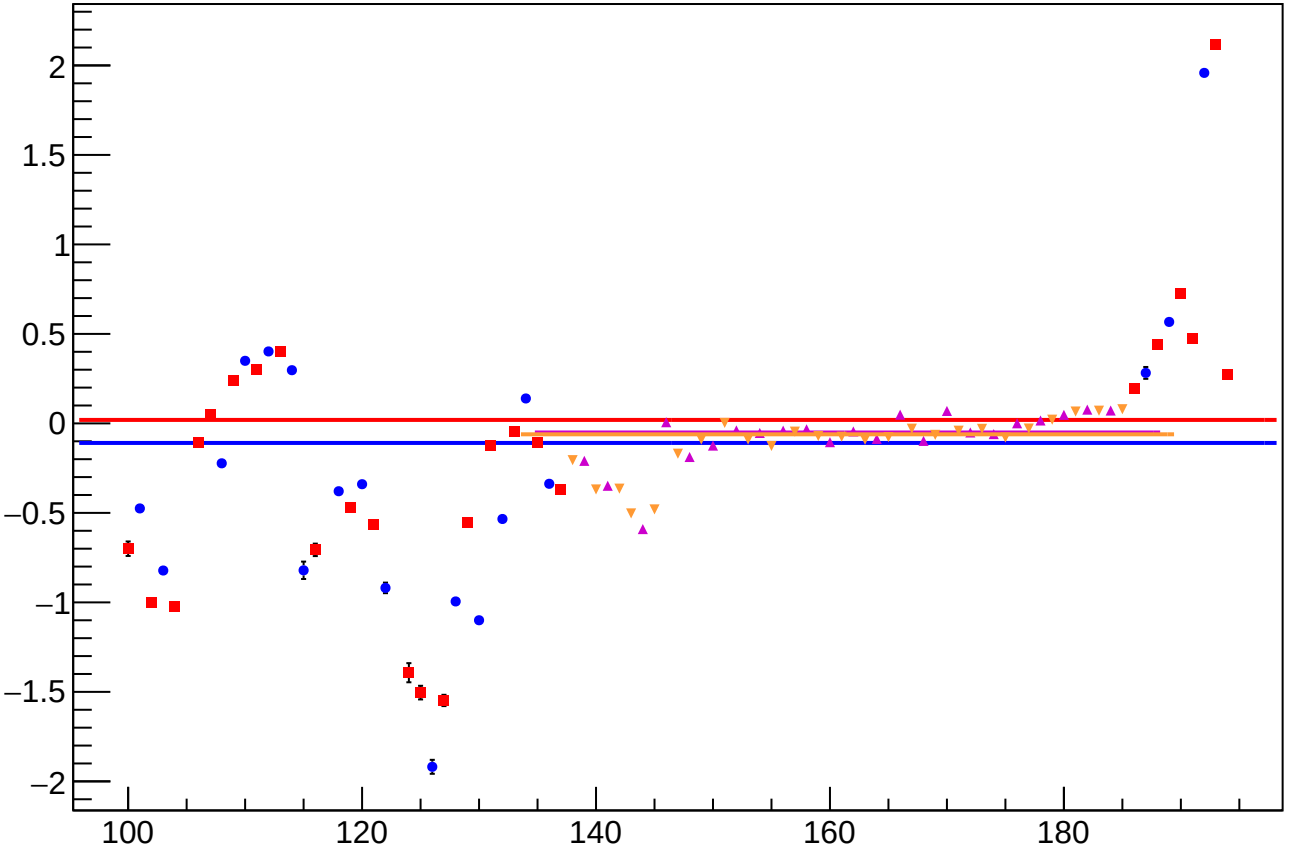
Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.225+/-0.033 χ^2/NDF: 13653.1/43

All: -1.137+/-0.023 χ^2/NDF: 25794.1/91

- sign -1.058+/-0.031 χ^2/NDF: 12127.4/47

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

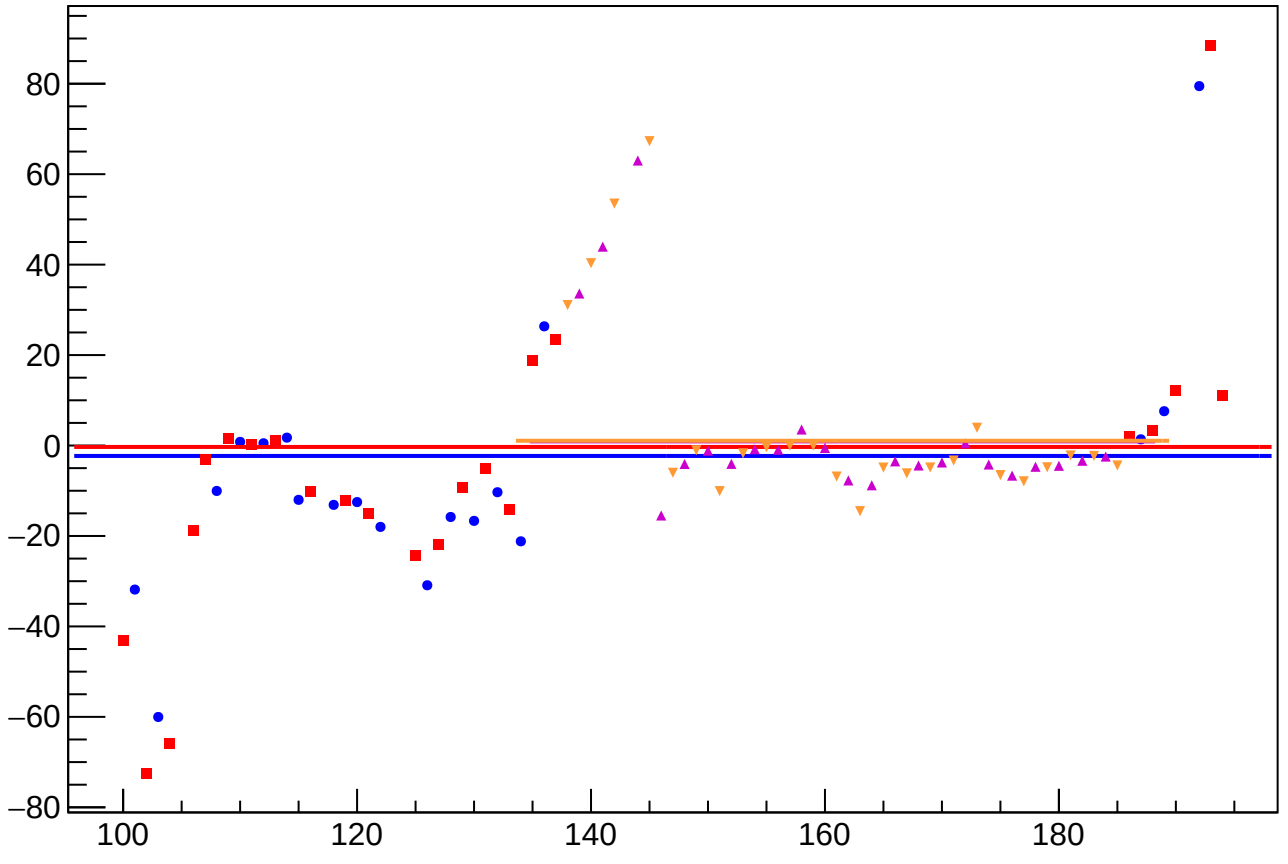
Right Out: 0.019+/-0.003 χ^2/NDF: 31672.9/24

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.068+/-0.002 χ^2/NDF: 34998.8/43

All: -0.052+/-0.001 χ^2/NDF: 72104.2/91

- sign -0.039+/-0.001 χ^2/NDF: 36906.8/47



Right In: -2.306+/-0.052 χ^2/NDF: 110301.2/18

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

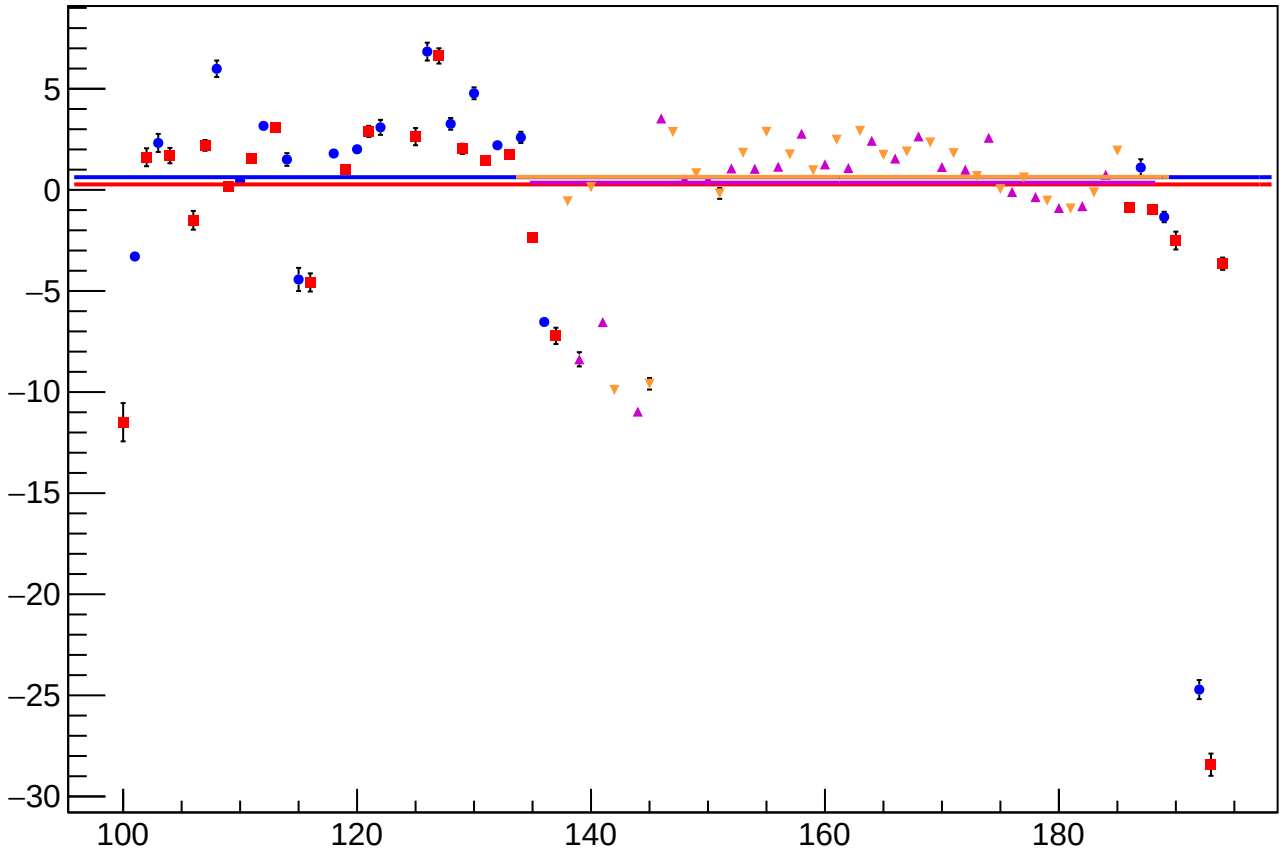
Right Out: -0.314+/-0.040 χ^2/NDF: 112258.0/22

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign -0.232+/-0.032 χ^2/NDF: 243954.9/42

All: 0.069+/-0.021 χ^2/NDF: 489648.6/88

- sign 0.307+/-0.028 χ^2/NDF: 245534.0/45



Right In: 0.627+/-0.058 χ^2/NDF: 5608.2/18

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

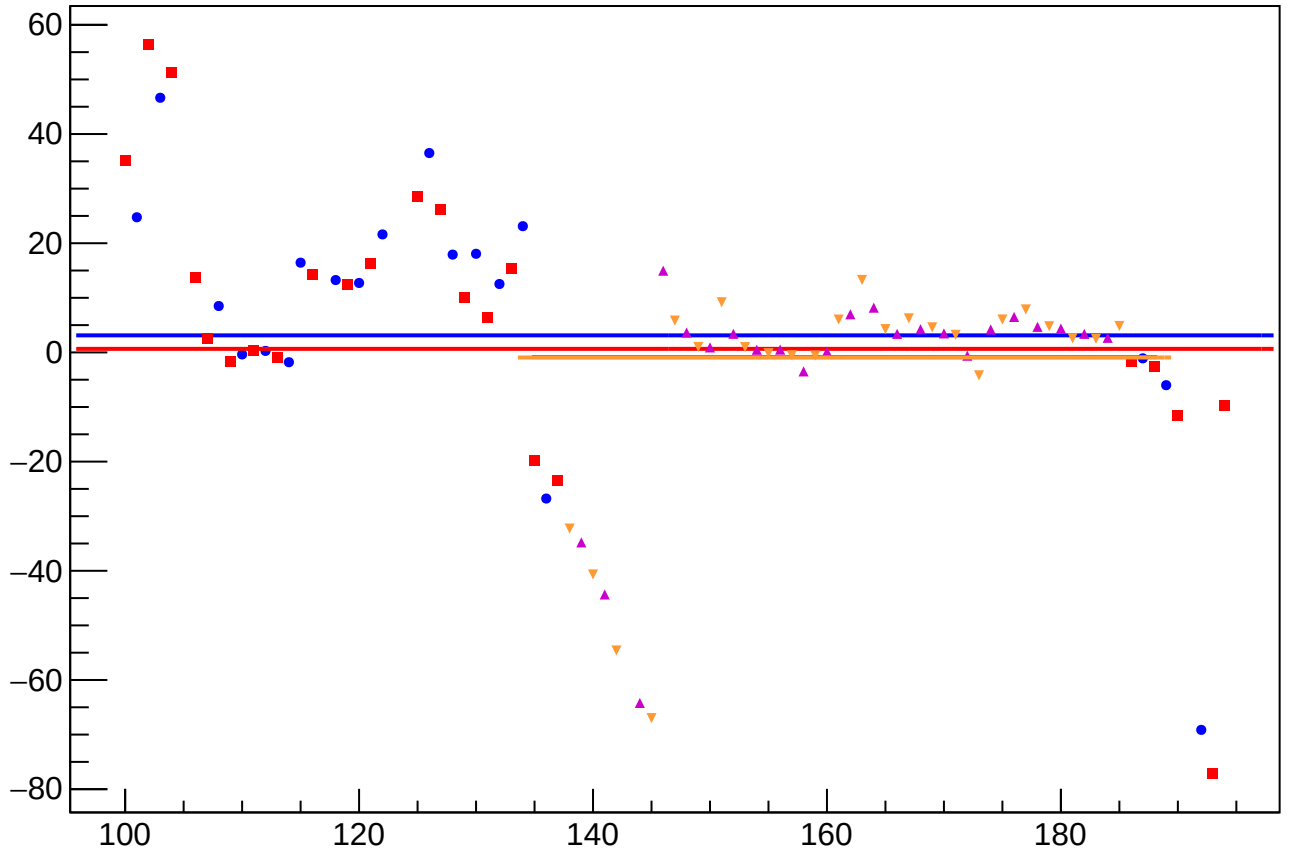
Right Out: 0.269+/-0.051 χ^2/NDF: 4791.6/22

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.640+/-0.029 χ^2/NDF: 10319.3/42

All: 0.474+/-0.020 χ^2/NDF: 22291.6/88

- sign 0.332+/-0.027 χ^2/NDF: 11910.7/45



Right In: 3.125+/-0.058 χ^2/NDF: 108726.4/18

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

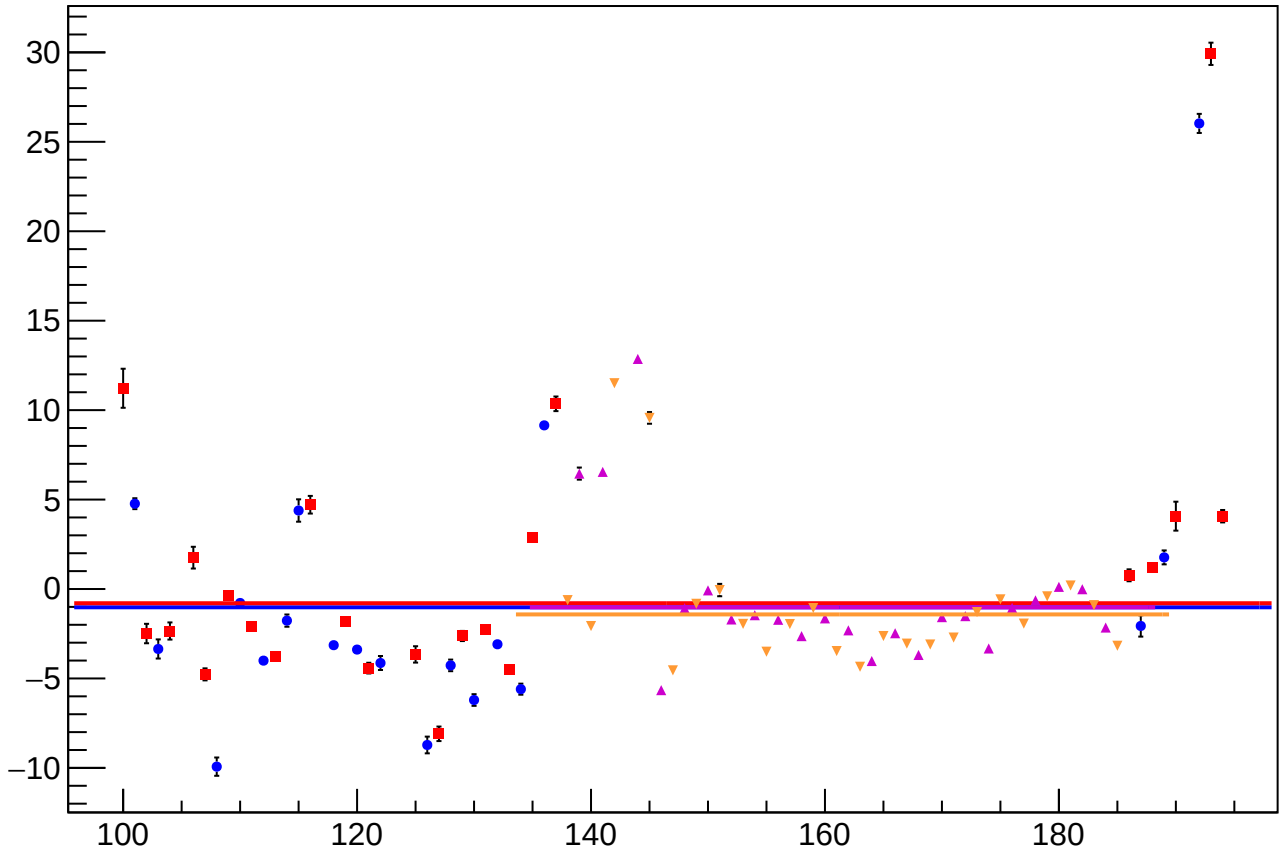
Right Out: 0.654+/-0.045 χ^2/NDF: 110630.3/22

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign 0.388+/-0.033 χ^2/NDF: 238354.2/42

All: 0.057+/-0.022 χ^2/NDF: 479293.2/88

- sign -0.202+/-0.029 χ^2/NDF: 240763.1/45



Right In: -1.022+/-0.067 χ^2/NDF: 7223.2/18

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

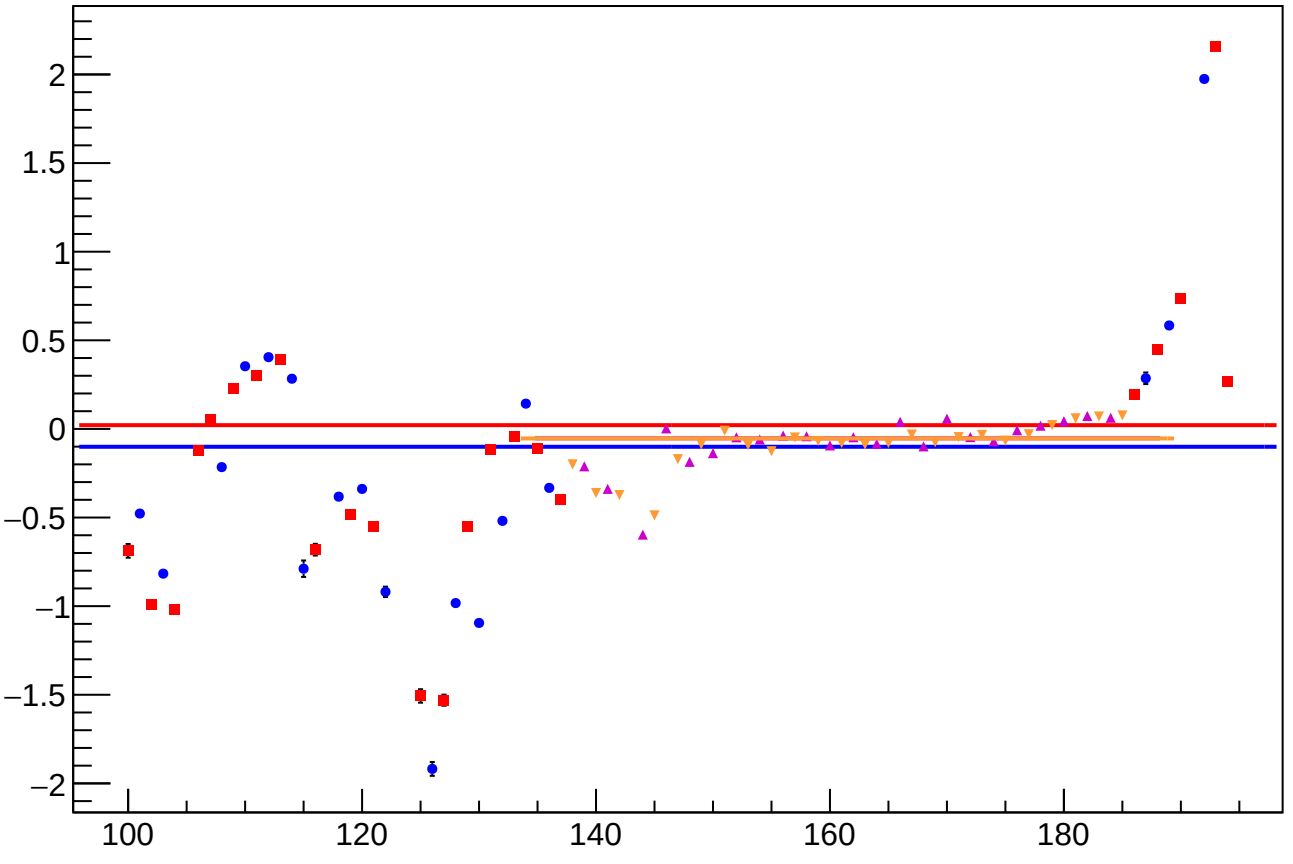
Right Out: -0.795+/-0.060 χ^2/NDF: 5371.8/22

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.329+/-0.032 χ^2/NDF: 11892.3/42

All: -1.136+/-0.022 χ^2/NDF: 24389.8/88

- sign -0.968+/-0.030 χ^2/NDF: 12430.1/45



Right In: -0.101+/-0.004 χ^2/NDF: 30581.8/18

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

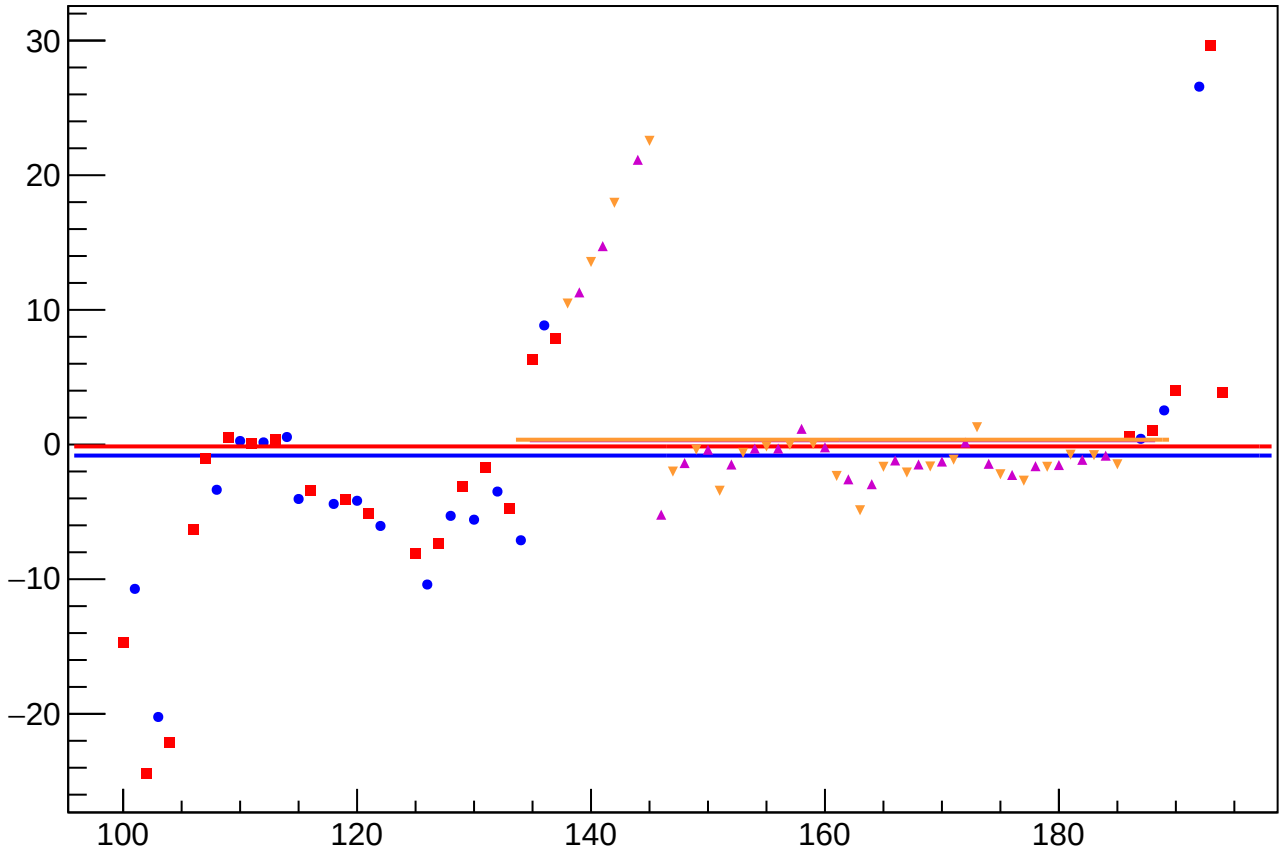
Right Out: 0.021+/-0.003 χ^2/NDF: 32083.0/22

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.060+/-0.001 χ^2/NDF: 35046.4/42

All: -0.050+/-0.001 χ^2/NDF: 72660.4/88

- sign -0.041+/-0.001 χ^2/NDF: 37515.3/45



Right In: -0.819+/-0.018 χ^2/NDF: 108412.9/18

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

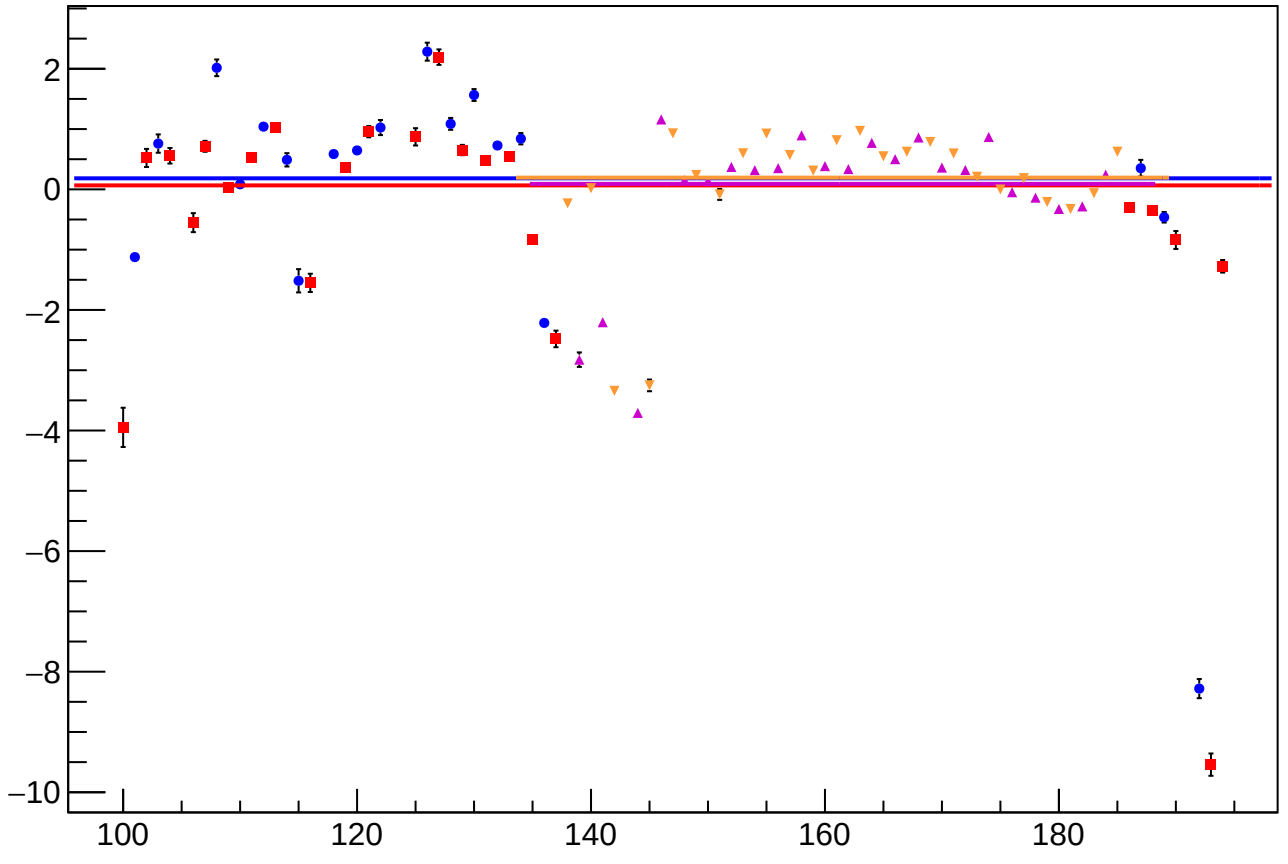
Right Out: -0.140+/-0.014 χ^2/NDF: 110551.1/22

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign -0.089+/-0.011 χ^2/NDF: 239985.1/42

All: 0.012+/-0.007 χ^2/NDF: 481466.5/88

- sign 0.093+/-0.010 χ^2/NDF: 241325.9/45



Right In: 0.183+/-0.020 χ^2/NDF: 5510.9/18

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: 0.066+/-0.017 χ^2/NDF: 4717.6/22

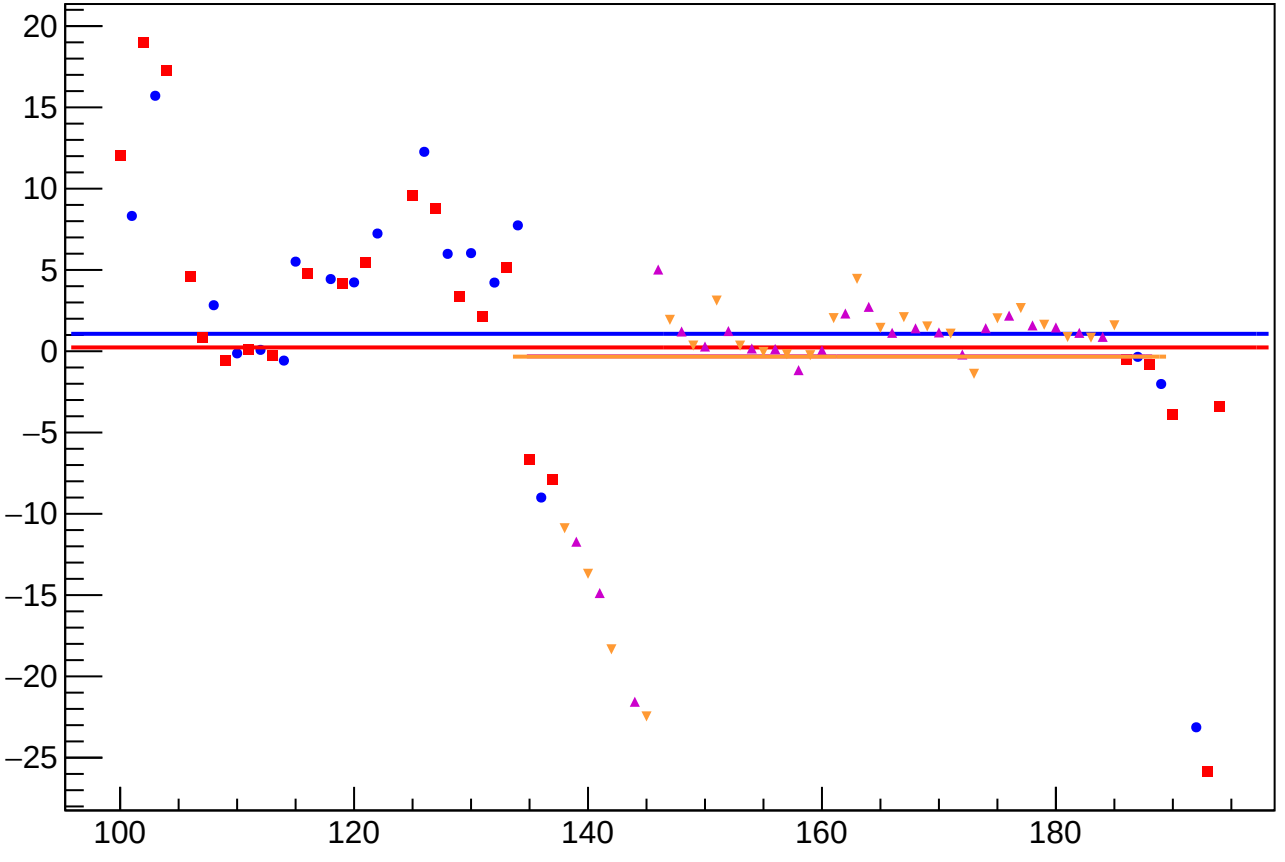
Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.192+/-0.010 χ^2/NDF: 10156.2/42

All: 0.134+/-0.007 χ^2/NDF: 21875.8/88

- sign 0.084+/-0.009 χ^2/NDF: 11655.5/45

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 1.071+/-0.020 χ^2/NDF: 106908.1/18

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

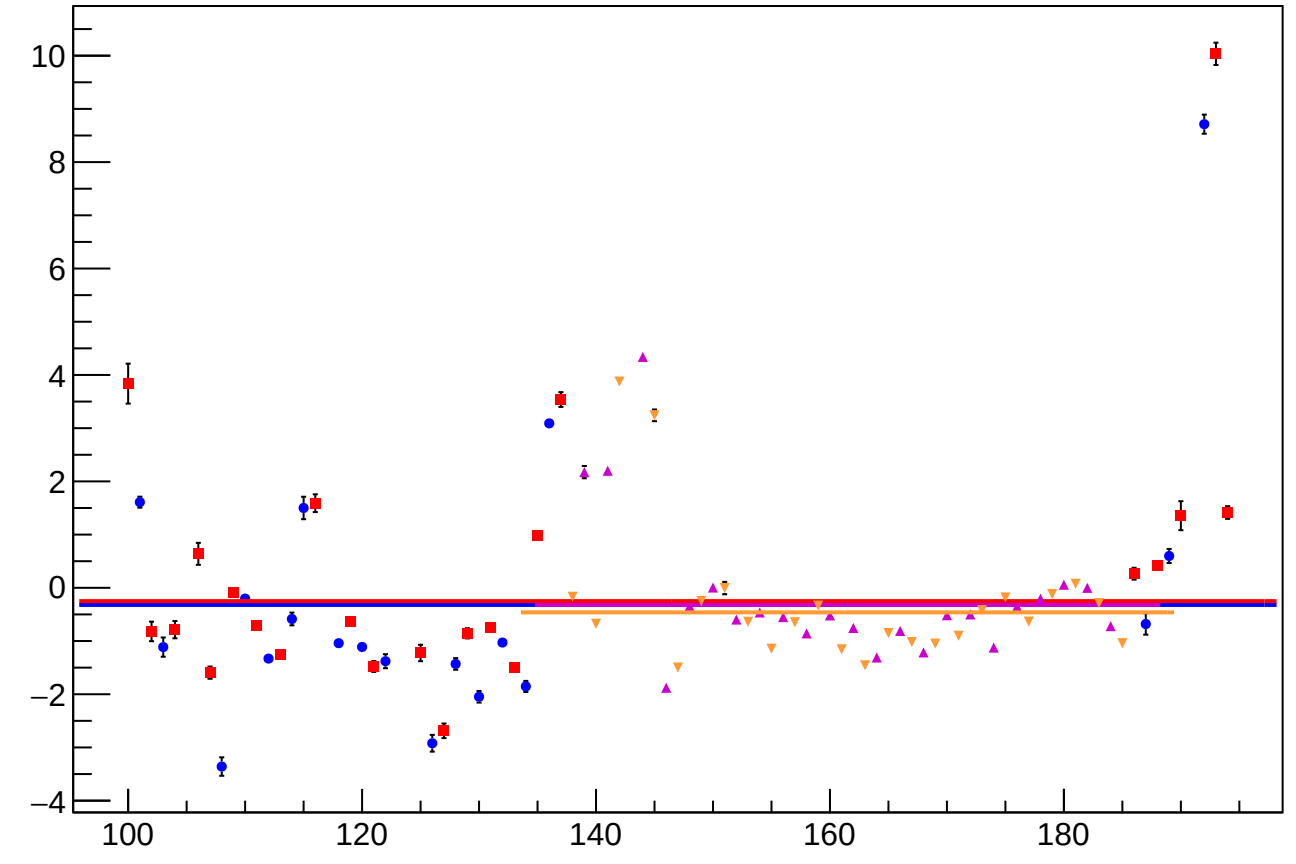
Right Out: 0.234+/-0.015 χ^2/NDF: 108985.8/22

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign 0.124+/-0.011 χ^2/NDF: 234477.8/42

All: 0.013+/-0.008 χ^2/NDF: 471357.6/88

- sign -0.075+/-0.010 χ^2/NDF: 236708.9/45



Right In: -0.322+/-0.023 χ^2/NDF: 7088.1/18

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

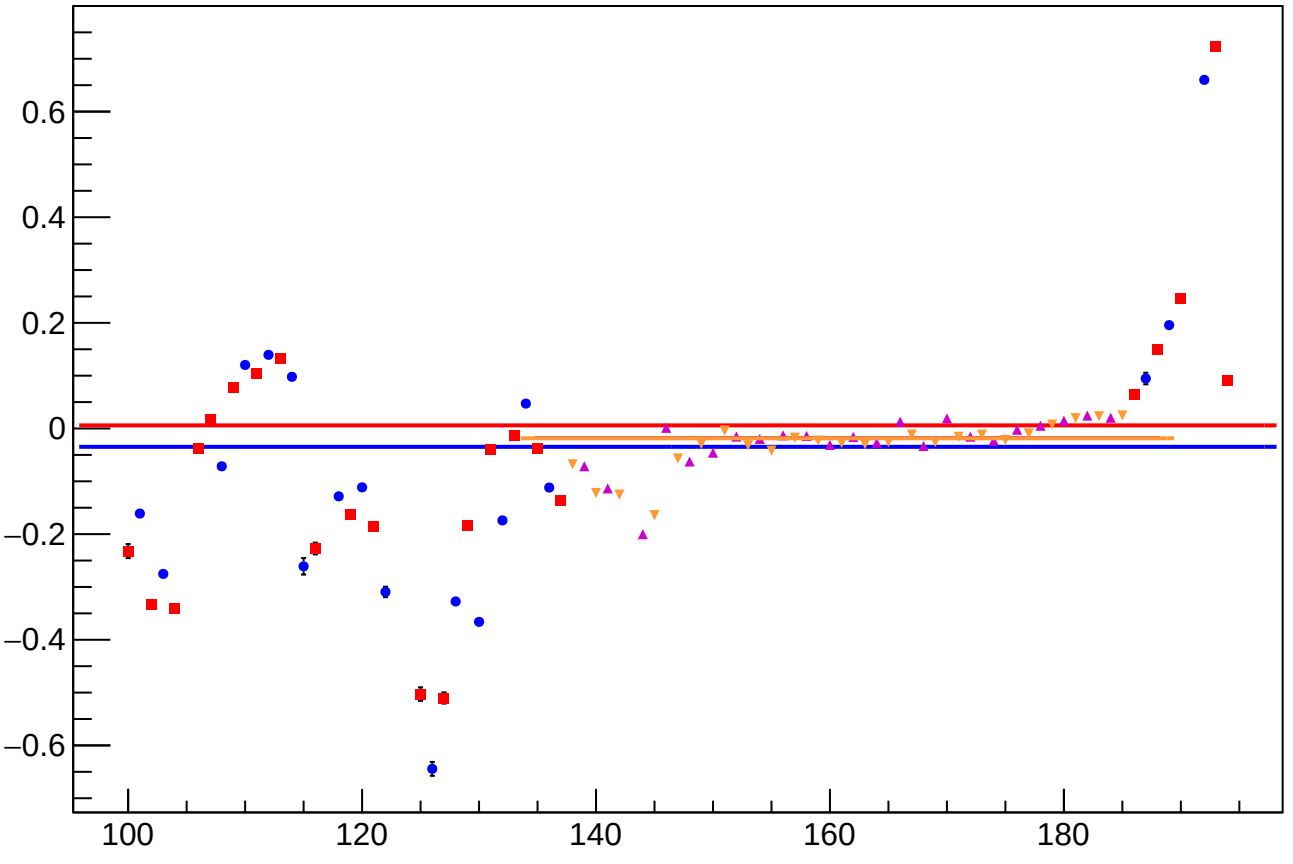
Right Out: -0.250+/-0.021 χ^2/NDF: 5290.5/22

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.430+/-0.011 χ^2/NDF: 11696.7/42

All: -0.363+/-0.008 χ^2/NDF: 23947.1/88

- sign -0.305+/-0.010 χ^2/NDF: 12181.7/45



Right In: -0.035+/-0.001 χ^2/NDF: 30090.2/18

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

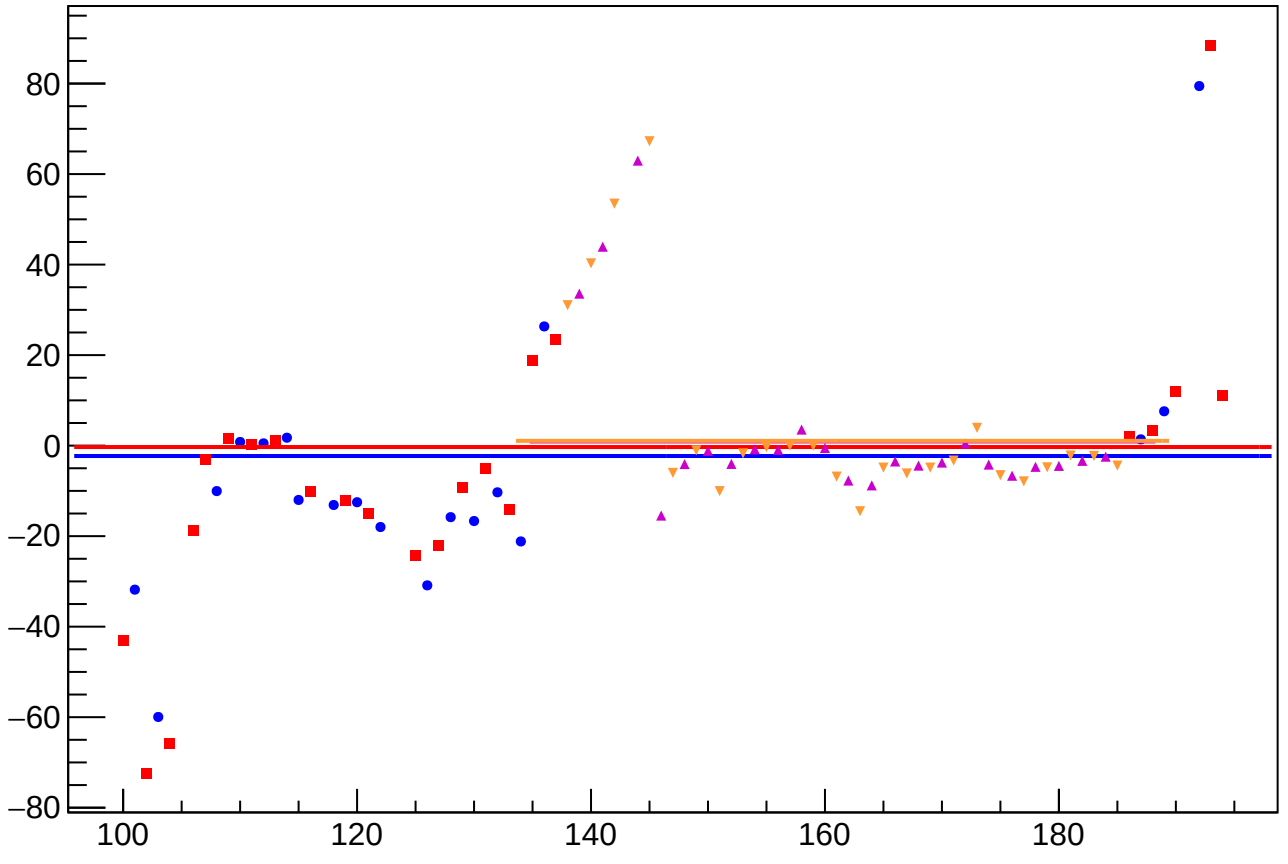
Right Out: 0.006+/-0.001 χ^2/NDF: 31498.1/22

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.021+/-0.001 χ^2/NDF: 34444.3/42

All: -0.017+/-0.000 χ^2/NDF: 71295.0/88

- sign -0.014+/-0.000 χ^2/NDF: 36749.2/45



Right In: -2.295+/-0.051 χ^2/NDF: 110329.0/18

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

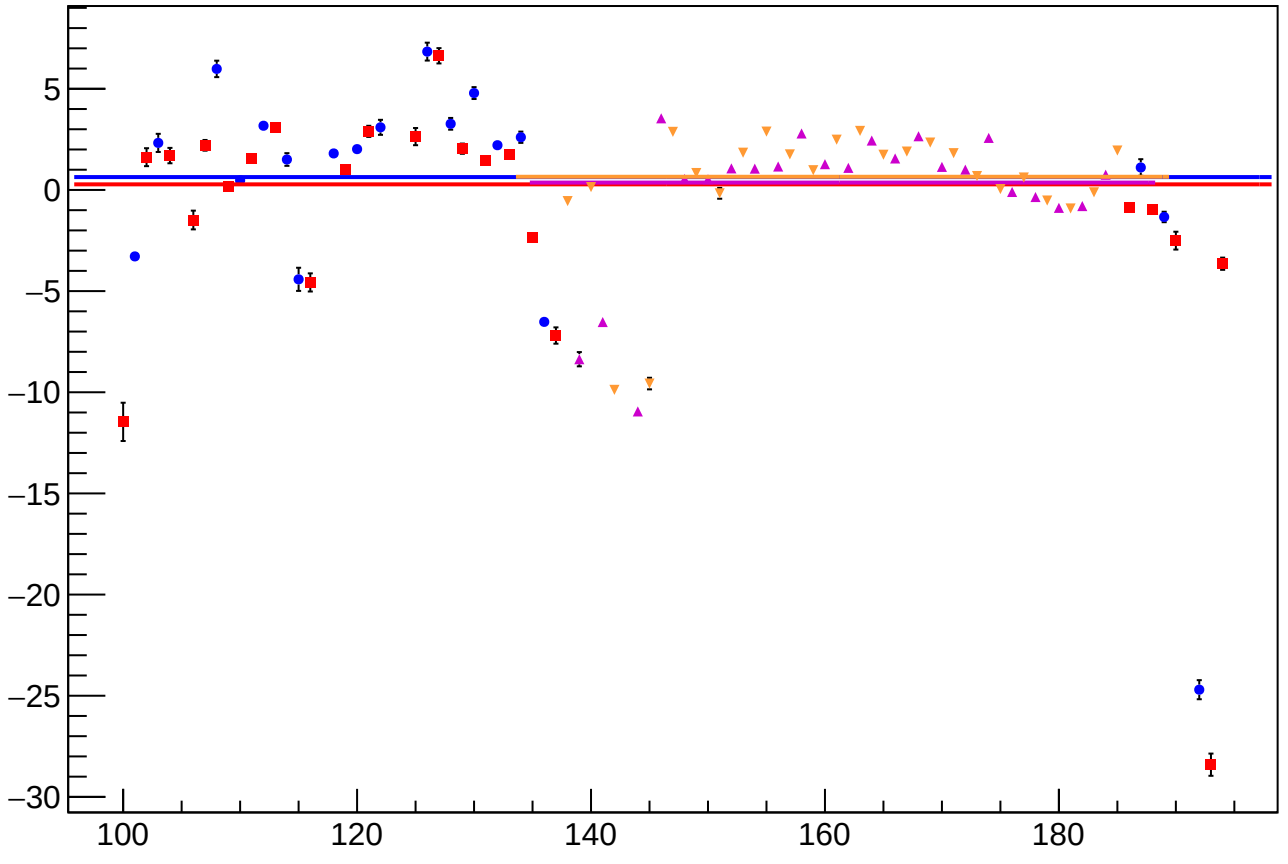
Right Out: -0.309+/-0.040 χ^2/NDF: 112278.6/22

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign -0.226+/-0.032 χ^2/NDF: 243958.3/42

All: 0.074+/-0.021 χ^2/NDF: 489679.4/88

- sign 0.311+/-0.028 χ^2/NDF: 245562.2/45



Right In: 0.636+/-0.058 χ^2/NDF: 5610.0/18

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

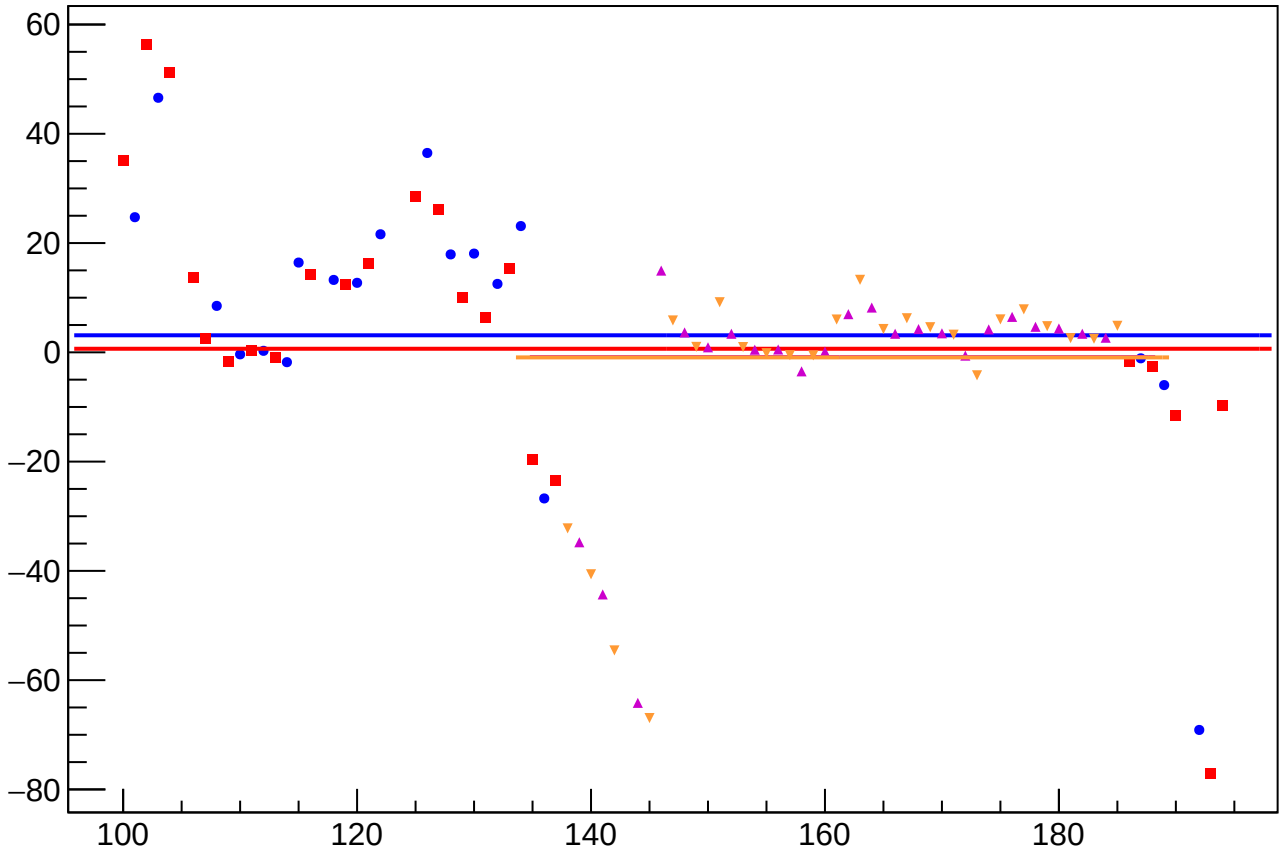
Right Out: 0.277+/-0.051 χ^2/NDF: 4791.9/22

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.648+/-0.029 χ^2/NDF: 10318.9/42

All: 0.482+/-0.020 χ^2/NDF: 22296.8/88

- sign 0.340+/-0.027 χ^2/NDF: 11916.4/45



Right In: 3.120+/-0.058 χ^2/NDF: 108750.2/18

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

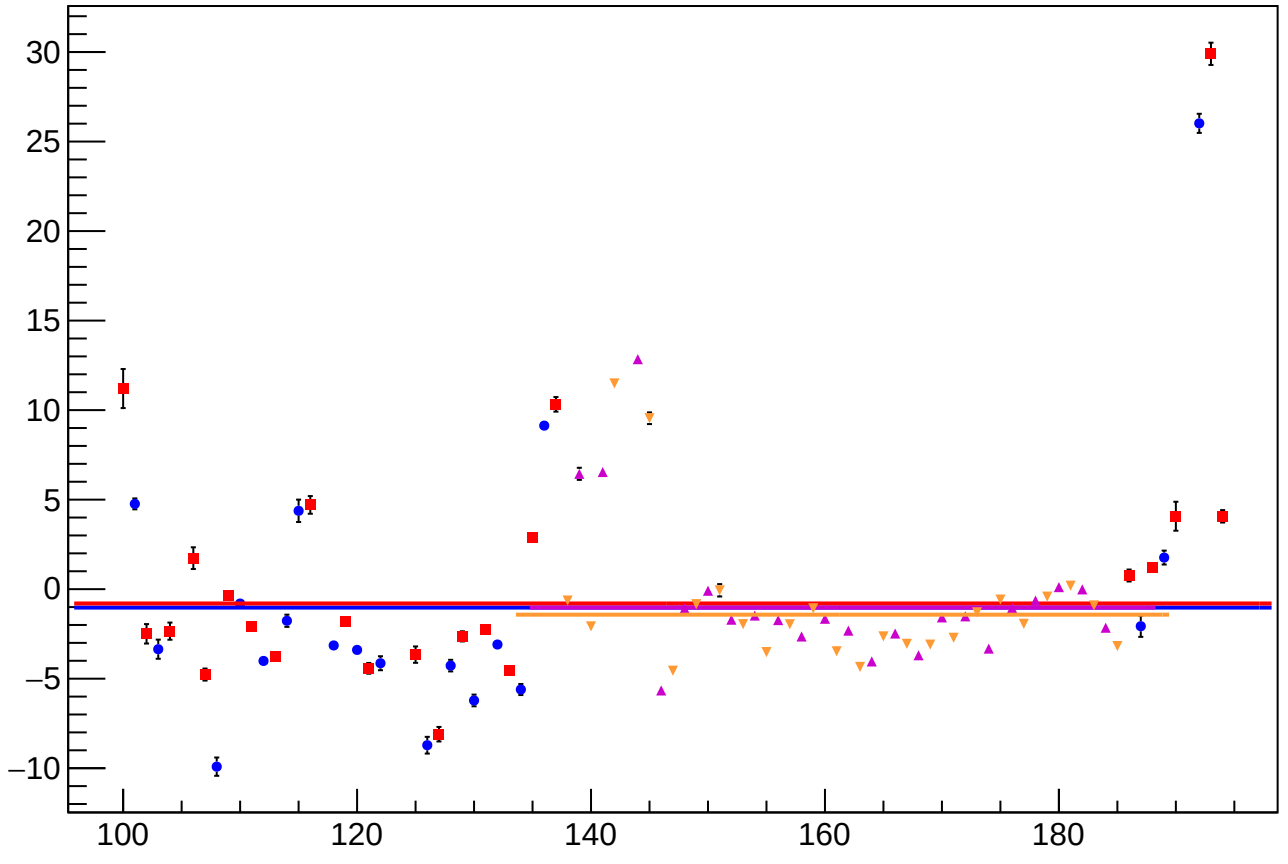
Right Out: 0.654+/-0.045 χ^2/NDF: 110646.0/22

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign 0.388+/-0.033 χ^2/NDF: 238355.4/42

All: 0.058+/-0.022 χ^2/NDF: 479314.0/88

- sign -0.200+/-0.029 χ^2/NDF: 240783.4/45



Right In: -1.029+/-0.067 χ^2/NDF: 7224.7/18

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

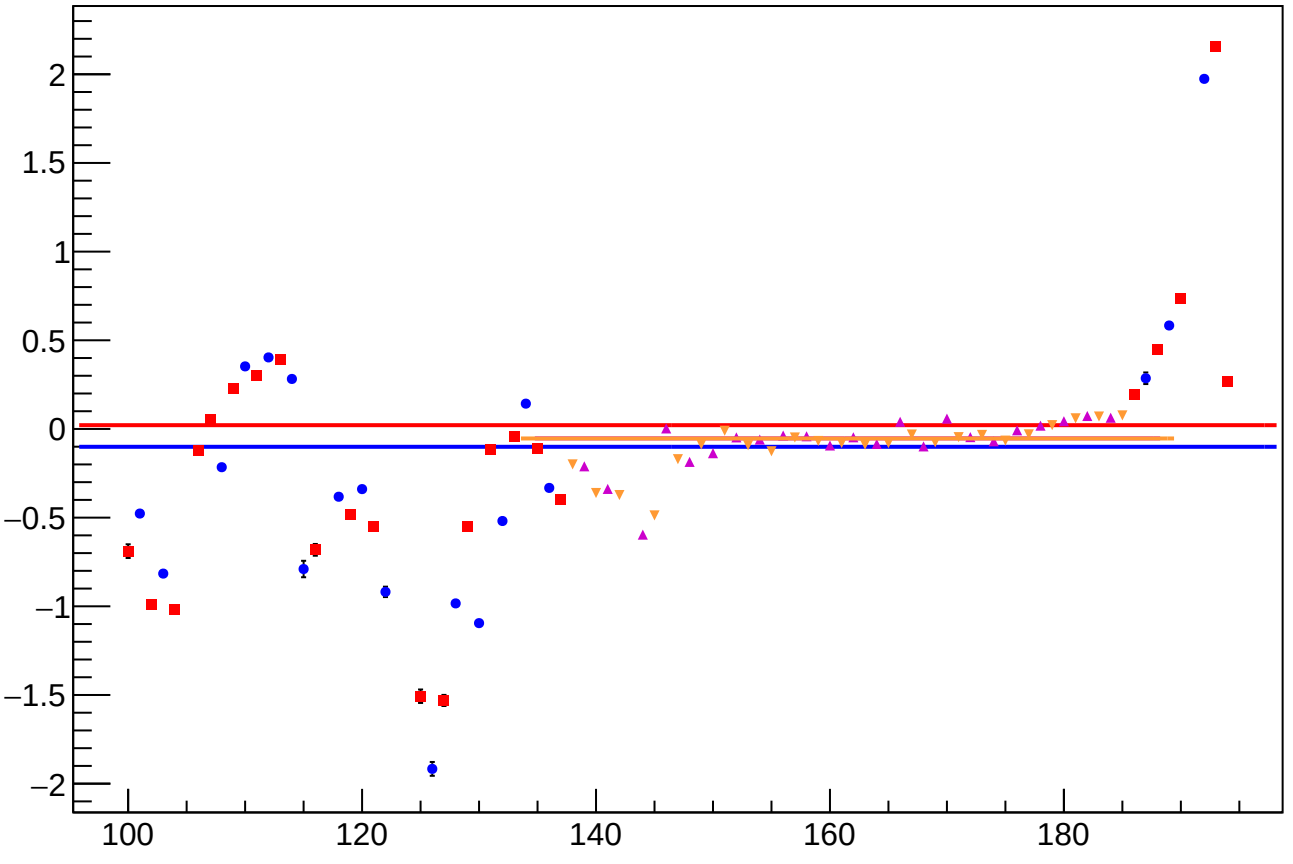
Right Out: -0.799+/-0.060 χ^2/NDF: 5370.7/22

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.334+/-0.032 χ^2/NDF: 11891.0/42

All: -1.141+/-0.022 χ^2/NDF: 24391.7/88

- sign -0.973+/-0.030 χ^2/NDF: 12433.3/45



Right In: -0.101+/-0.004 χ^2/NDF: 30587.8/18

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

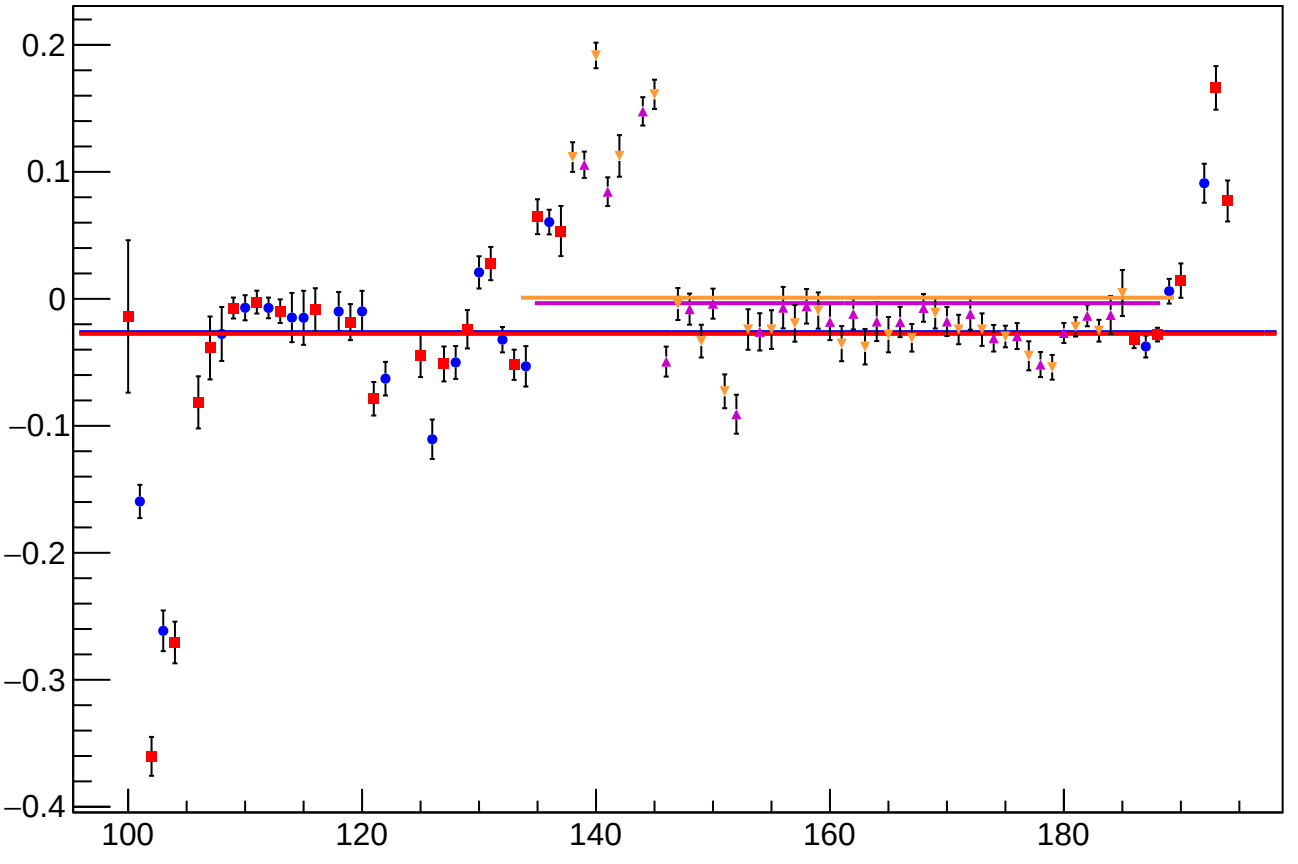
Right Out: 0.021+/-0.003 χ^2/NDF: 32096.9/22

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.060+/-0.001 χ^2/NDF: 35054.1/42

All: -0.050+/-0.001 χ^2/NDF: 72686.3/88

- sign -0.041+/-0.001 χ^2/NDF: 37534.2/45



Right In: -0.026+/-0.003 χ^2/NDF: 539.1/18

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.028+/-0.002 χ^2/NDF: 1000.4/22

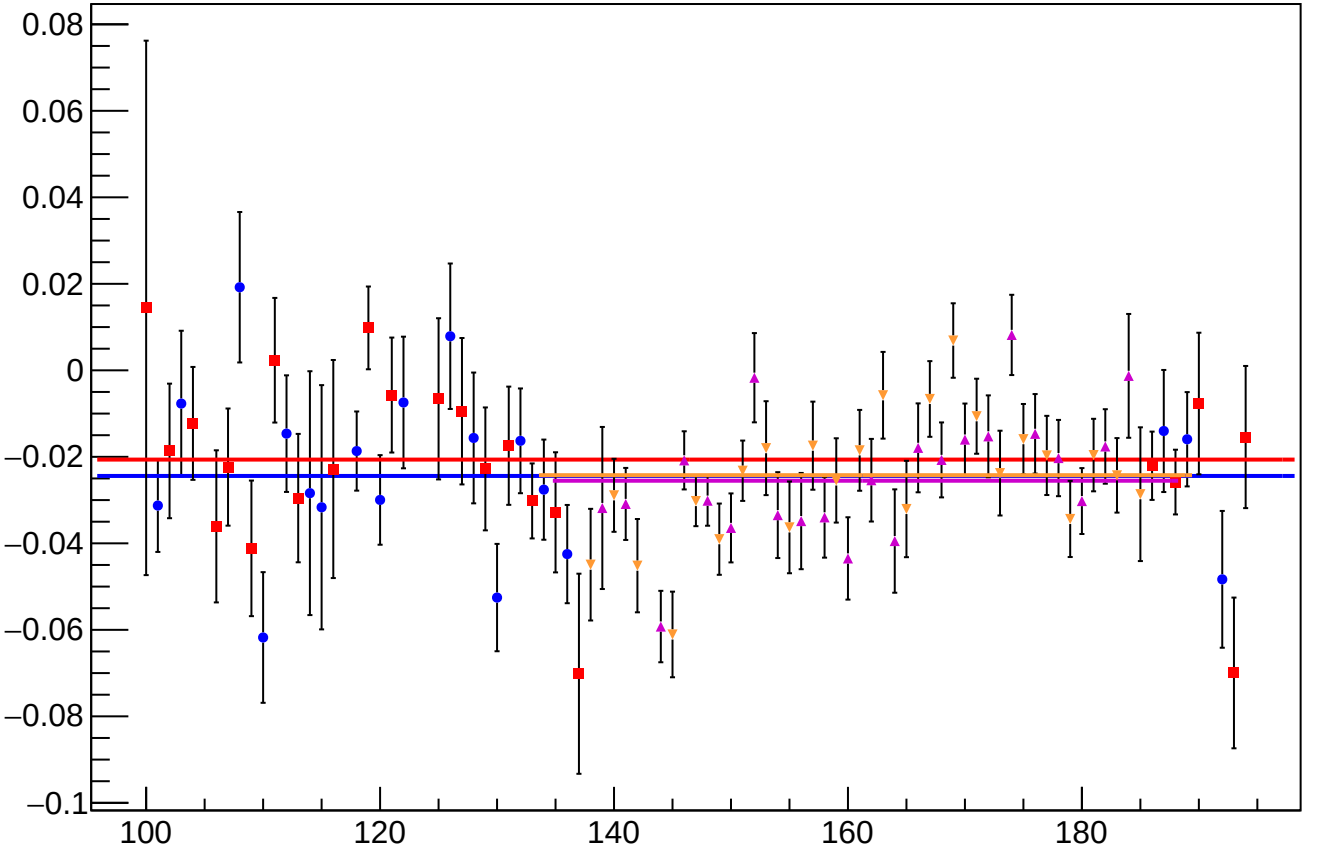
Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.010+/-0.002 χ^2/NDF: 1442.4/42

All: -0.013+/-0.001 χ^2/NDF: 2954.7/88

- sign -0.015+/-0.002 χ^2/NDF: 1508.4/45

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: 34.5/22

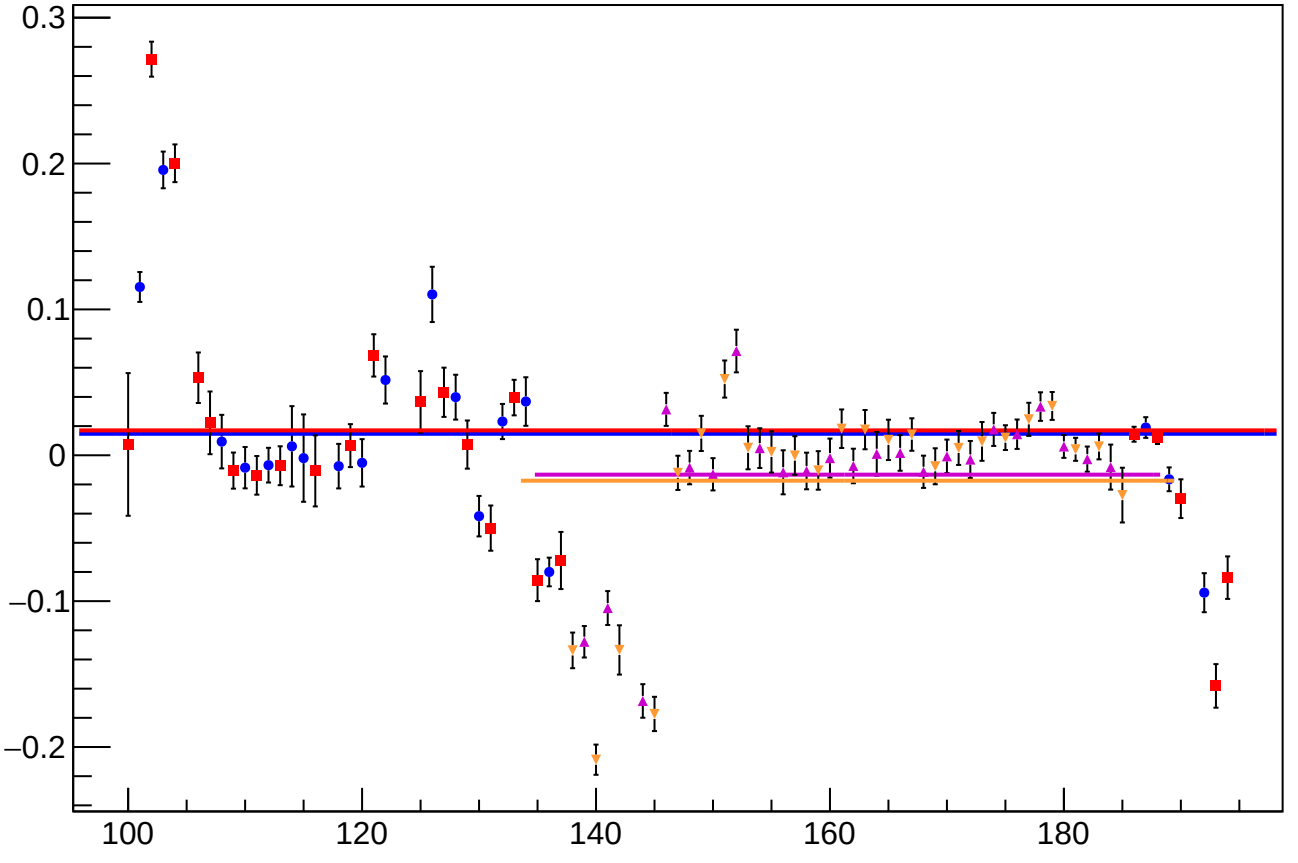
Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 85.7/42

All: -0.024+/-0.001 χ^2/NDF: 177.4/88

- sign -0.024+/-0.002 χ^2/NDF: 91.6/45

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.015+/-0.003 χ^2/NDF: 539.9/18

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

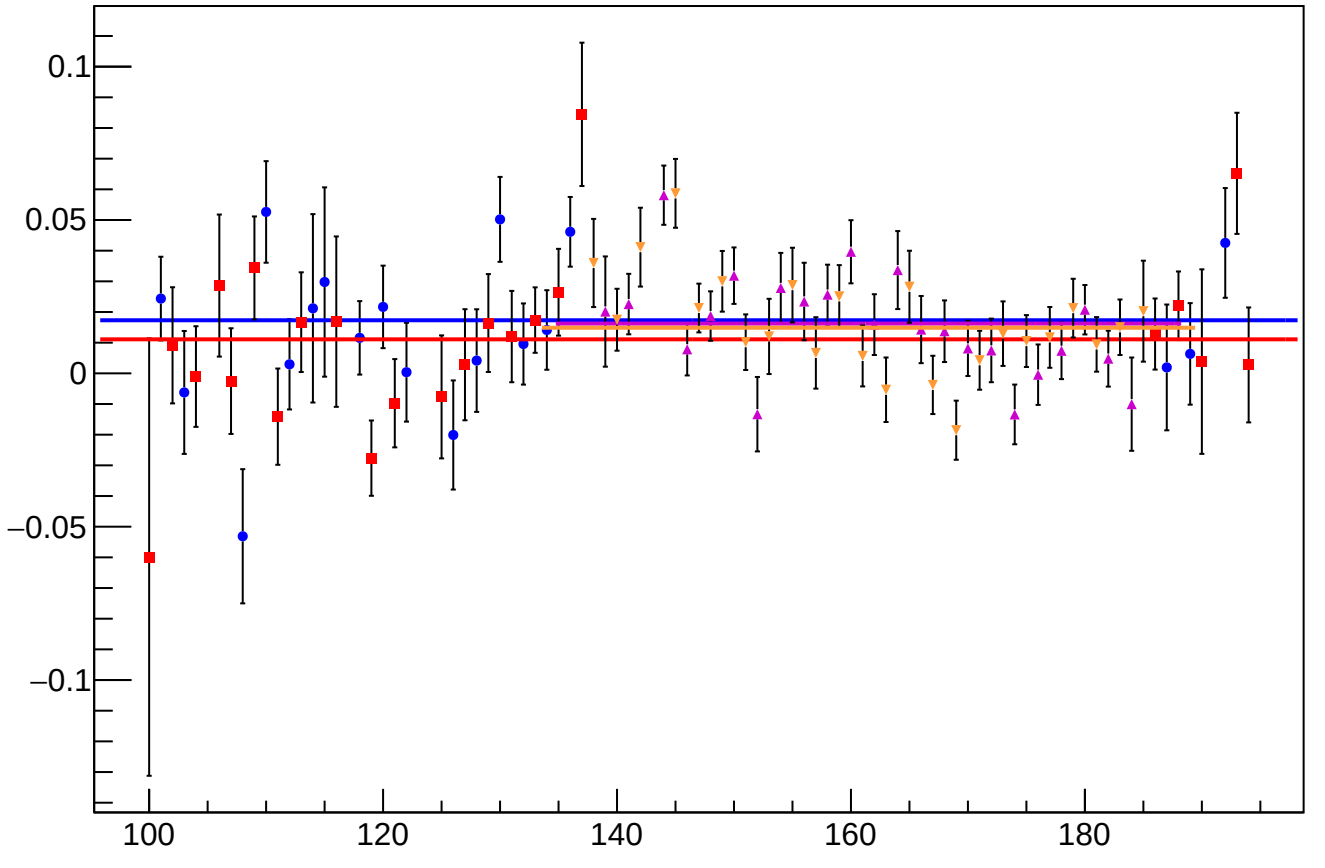
Right Out: 0.017+/-0.002 χ^2/NDF: 979.9/22

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.004+/-0.002 χ^2/NDF: 1425.5/42

All: -0.001+/-0.001 χ^2/NDF: 2953.4/88

- sign 0.002+/-0.002 χ^2/NDF: 1520.8/45



Right In: 0.017+/-0.004 χ^2/NDF: 39.6/18

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

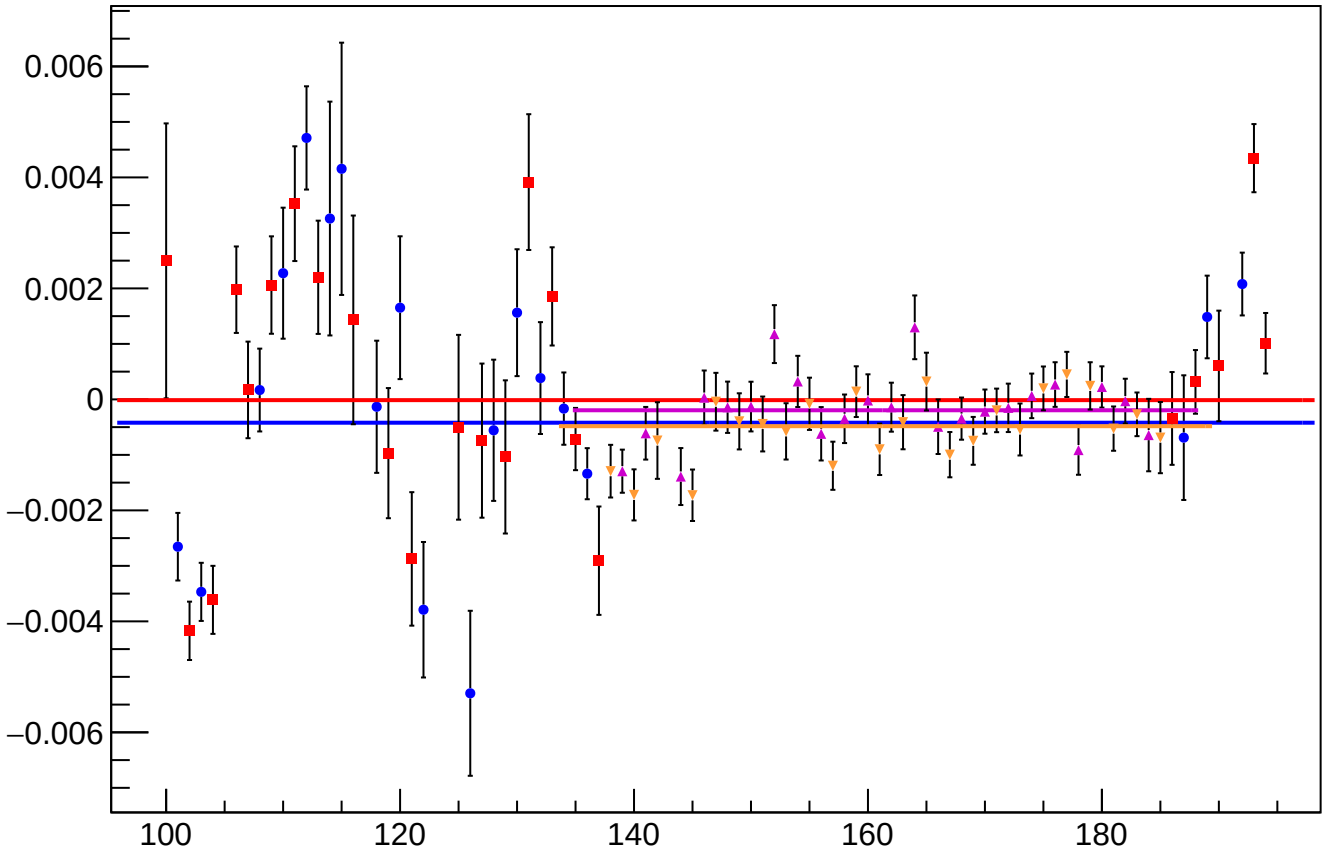
Right Out: 0.011+/-0.003 χ^2/NDF: 40.8/22

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: 192.6/88

- sign 0.015+/-0.002 χ^2/NDF: 100.4/45



Right In: -0.000+/-0.000 χ^2/NDF: 145.6/18

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 214.3/22

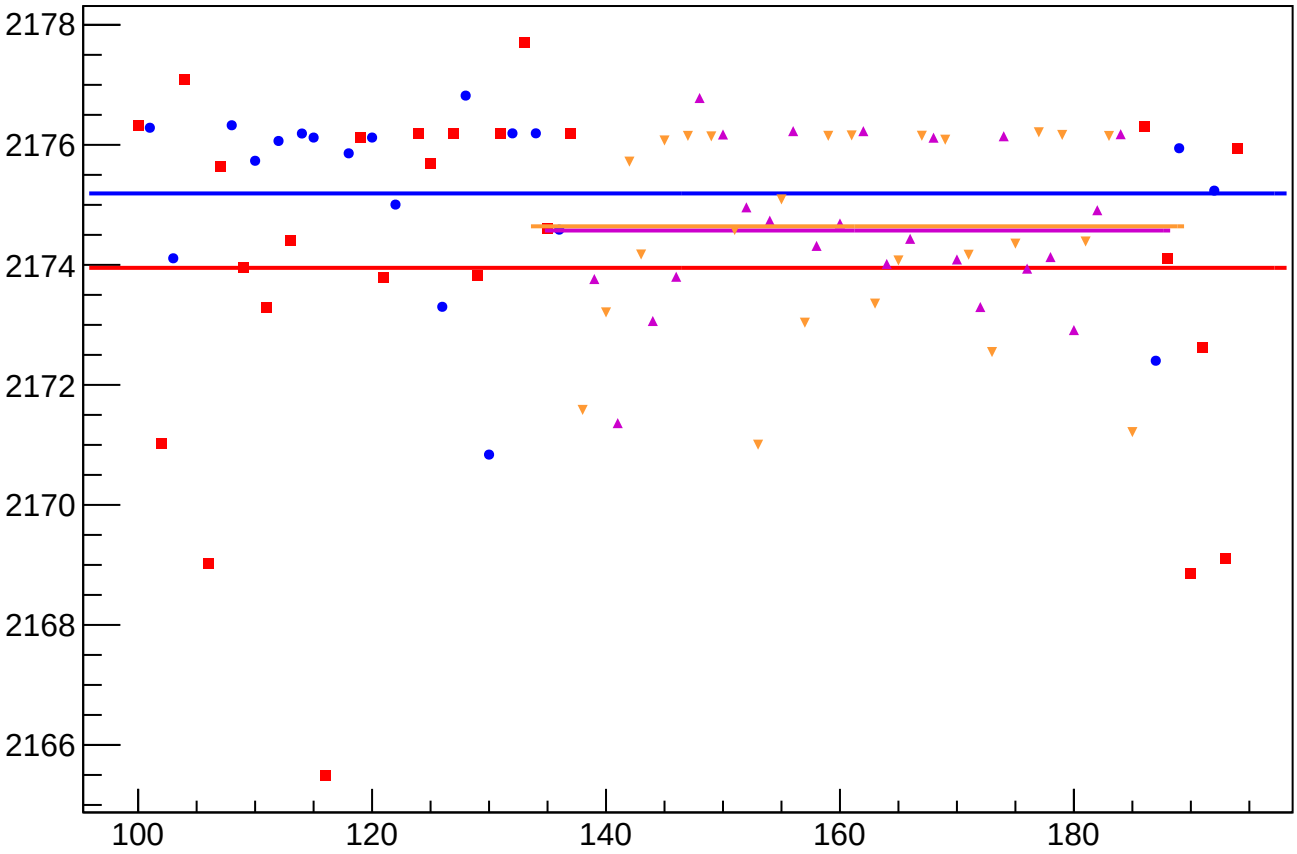
Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 186.6/42

All: -0.000+/-0.000 χ^2/NDF: 446.2/88

- sign -0.000+/-0.000 χ^2/NDF: 252.4/45

HALLA_p_mean vs Slug



Right In: 2175.191+/-0.000 χ^2/NDF: 19443301095165628949279695899197440/18

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517120/24

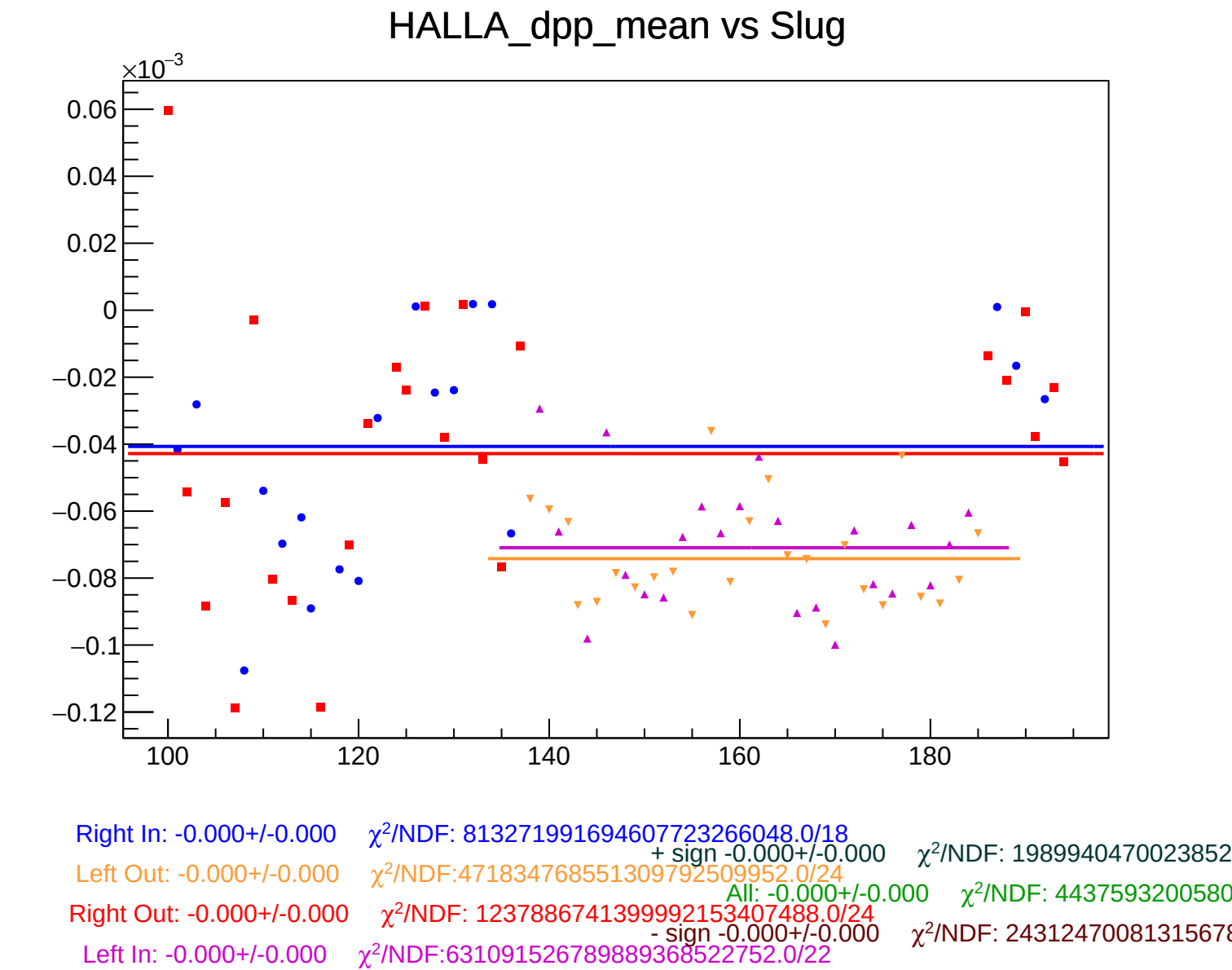
Right Out: 2173.950+/-0.000 χ^2/NDF: 90123113027493562813667783108198400/24

Left In: 2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291520/22

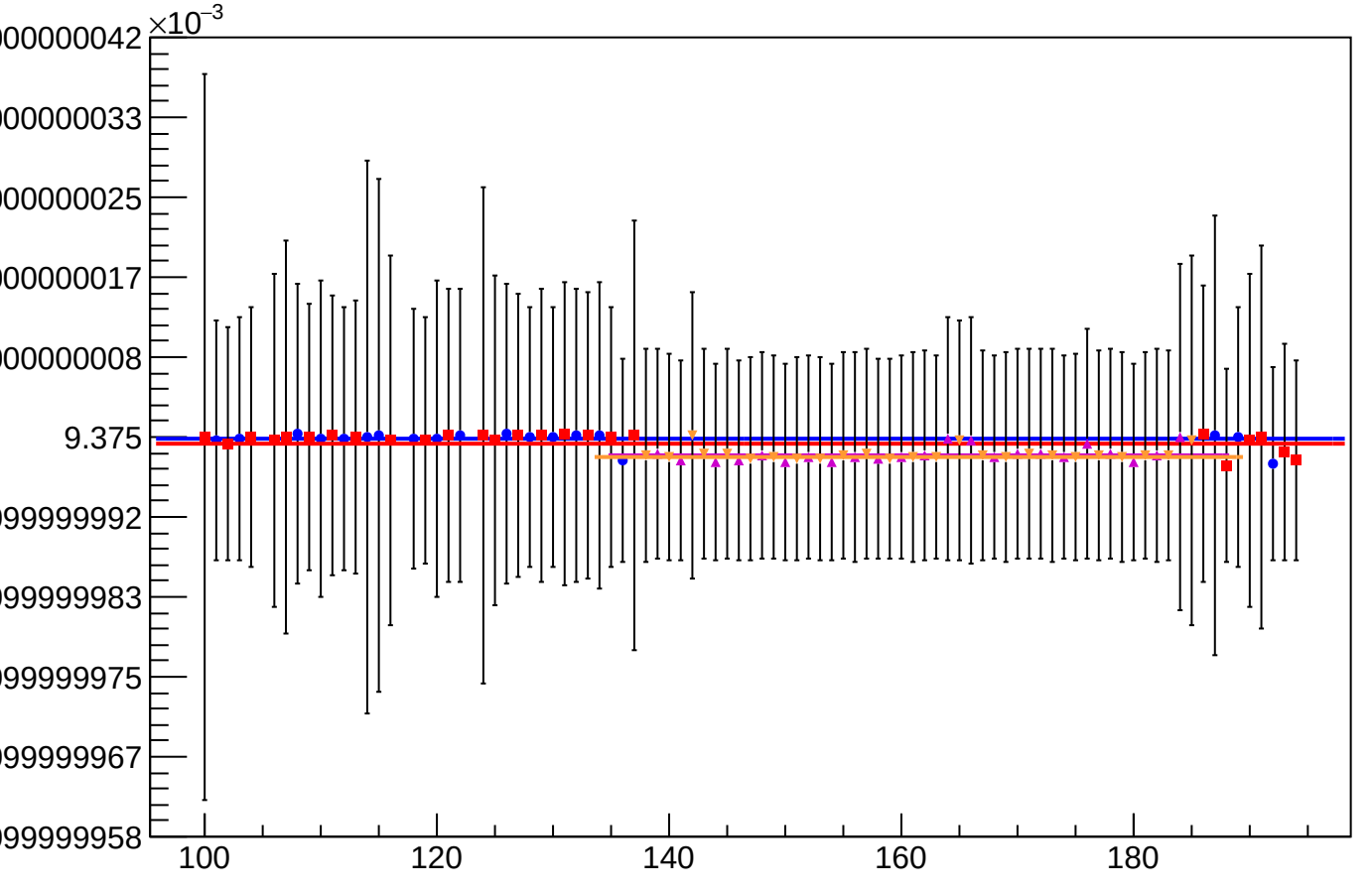
+ sign 2174.813+/-0.000 χ^2/NDF: 7344652882838

All: 2174.572+/-0.000 χ^2/NDF: 203969837

- sign 2174.341+/-0.000 χ^2/NDF: 12719069371344


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: 1237886741399992153407488.0/24
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: 4437593200580
- sign -0.000+/-0.000 χ²/NDF: 2431247008131567

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: 0.1/24

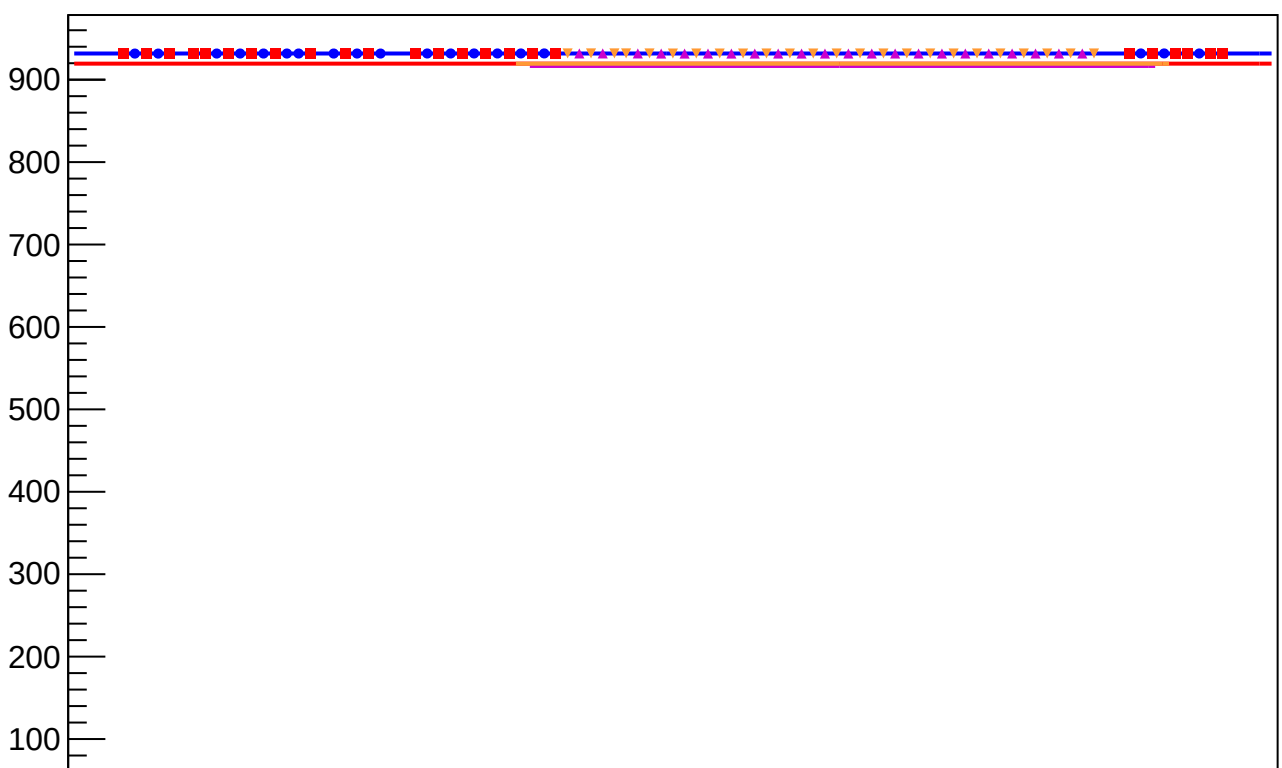
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/43

All: 0.009+/-0.000 χ^2/NDF: 0.6/91

- sign 0.009+/-0.000 χ^2/NDF: 0.3/47

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

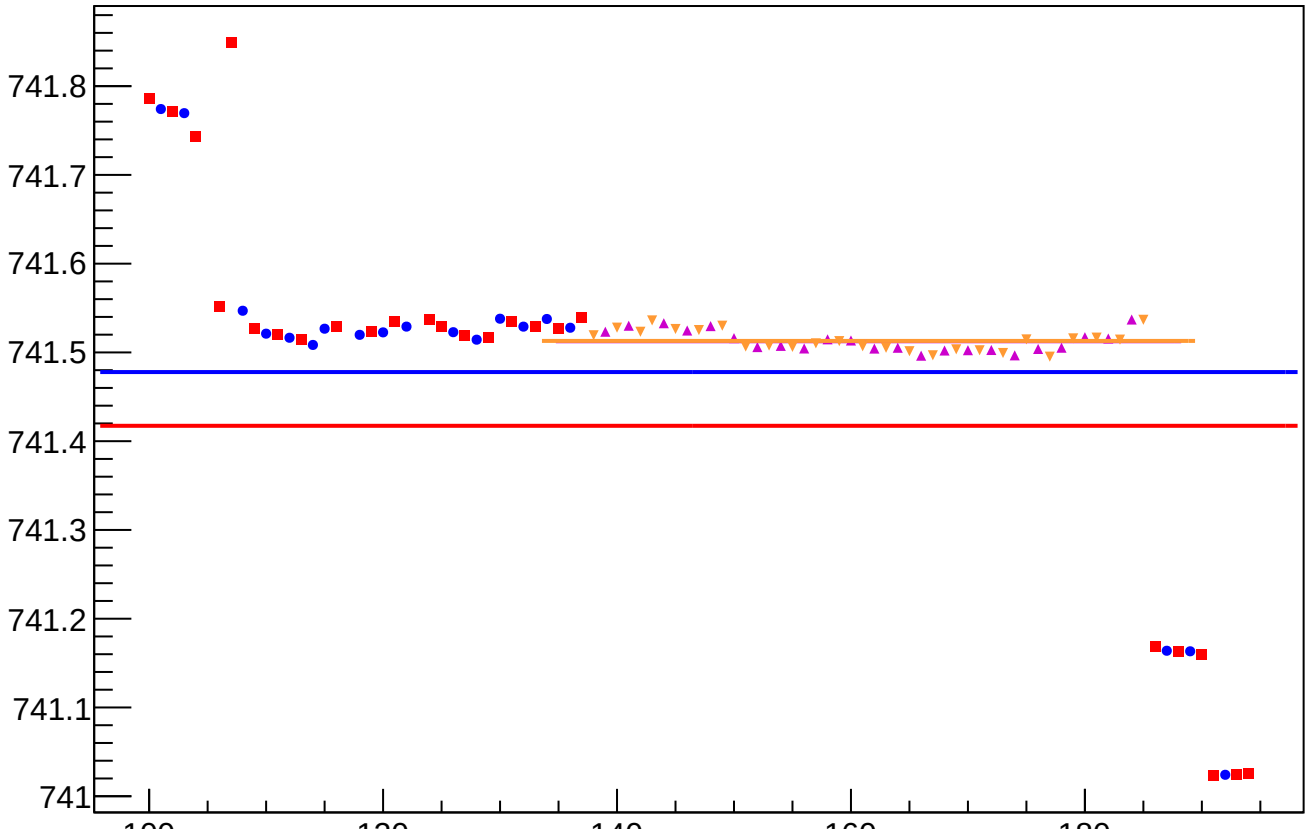
All: 920.409+/-0.000 χ^2/NDF: 623891904222

Right Out: 919.468+/-0.000 χ^2/NDF: 1285028916774346335729588274540734054 4.0/24

- sign 917.705+/-0.000 χ^2/NDF: 392256680927863

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.478+/-0.000 χ^2/NDF: 399580919227528986028687669329920/18

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: 741.417+/-0.000 χ^2/NDF: 6863841293098392565122791479705 6.0/24

Left In: 741.513+/-0.000 χ^2/NDF:23470398303008542318589588275 2.0/22

+ sign 741.502+/-0.000 χ^2/NDF: 409835020751837

All: 741.489+/-0.000 χ^2/NDF: 1172437787 75

- sign 741.477+/-0.000 χ^2/NDF: 753264029771507

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: 980.766+/-0.000 χ^2/NDF: 62020731636610117694257379672064.0/24

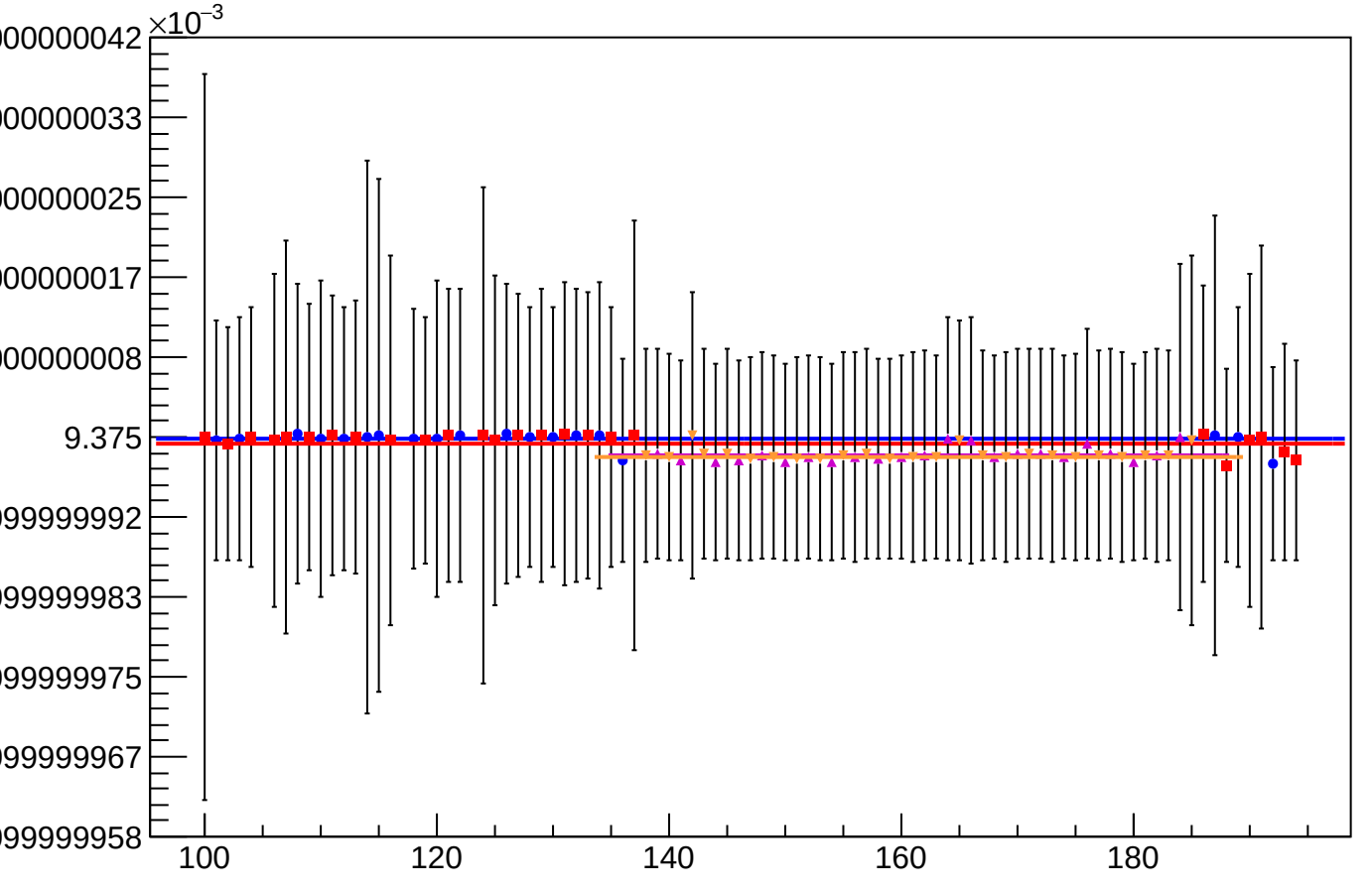
Left In: 964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

+ sign 971.762+/-0.000 χ^2/NDF: 256133721832545

All: 971.269+/-0.000 χ^2/NDF: 55010788443

- sign 970.793+/-0.000 χ^2/NDF: 293960142771619

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: 0.1/24

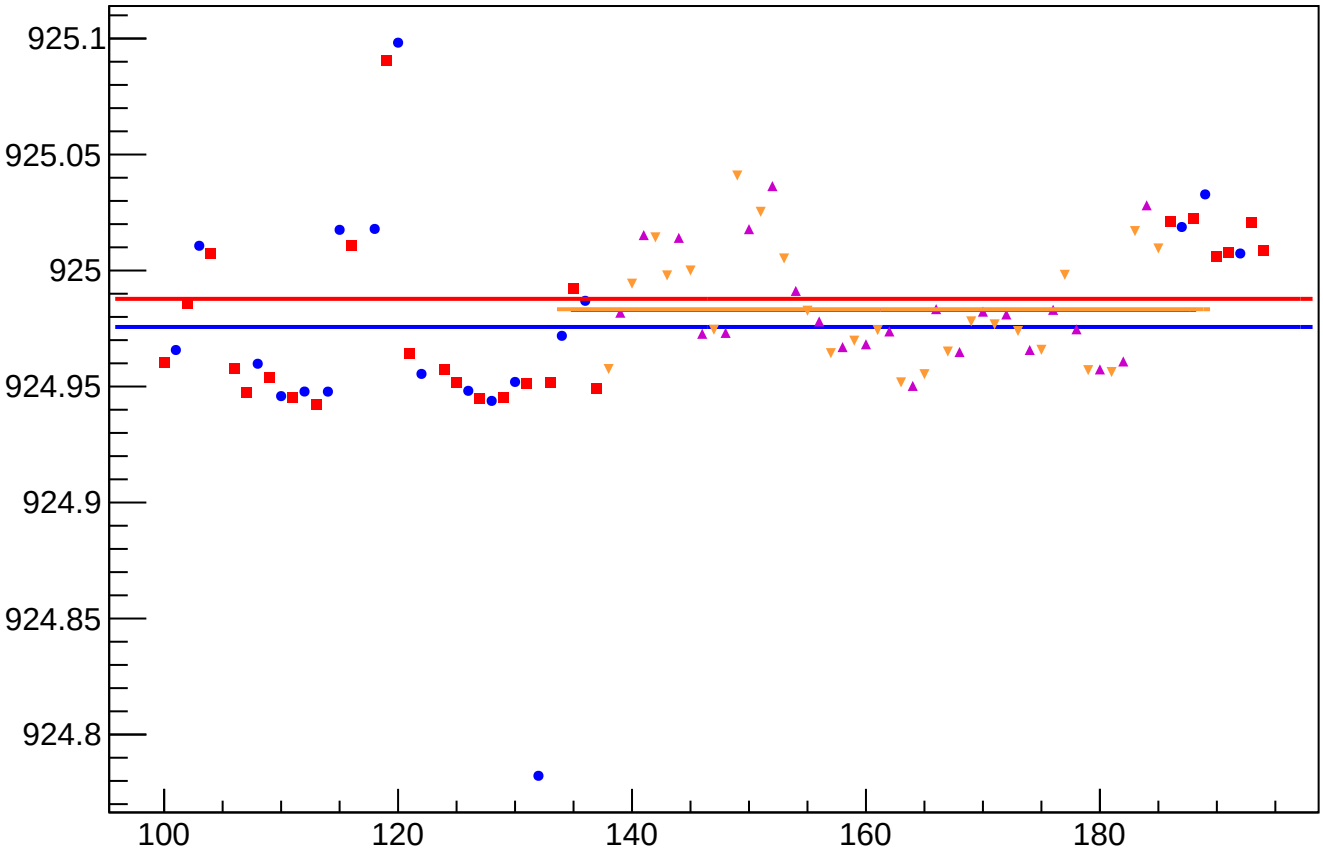
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/43

All: 0.009+/-0.000 χ^2/NDF: 0.6/91

- sign 0.009+/-0.000 χ^2/NDF: 0.3/47

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: 924.988+/-0.000 χ^2/NDF: 16986315314274146469676727664640.0/24

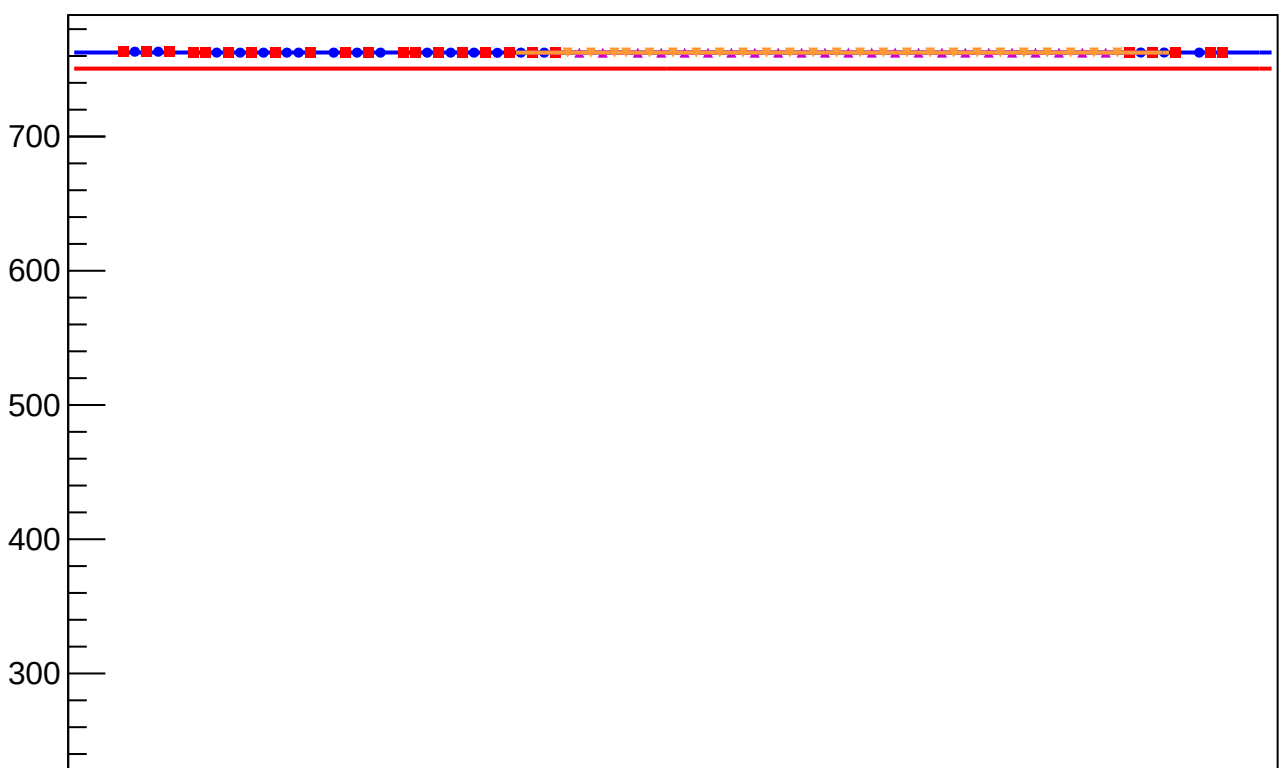
Left In: 924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

+ sign 924.981+/-0.000 χ^2/NDF: 411836502656543

All: 924.983+/-0.000 χ^2/NDF: 6783799992971

- sign 924.985+/-0.000 χ^2/NDF: 264316971592385

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: 750.582+/-0.000 χ^2/NDF: 72761687599327311848127801308070 54336.0/24

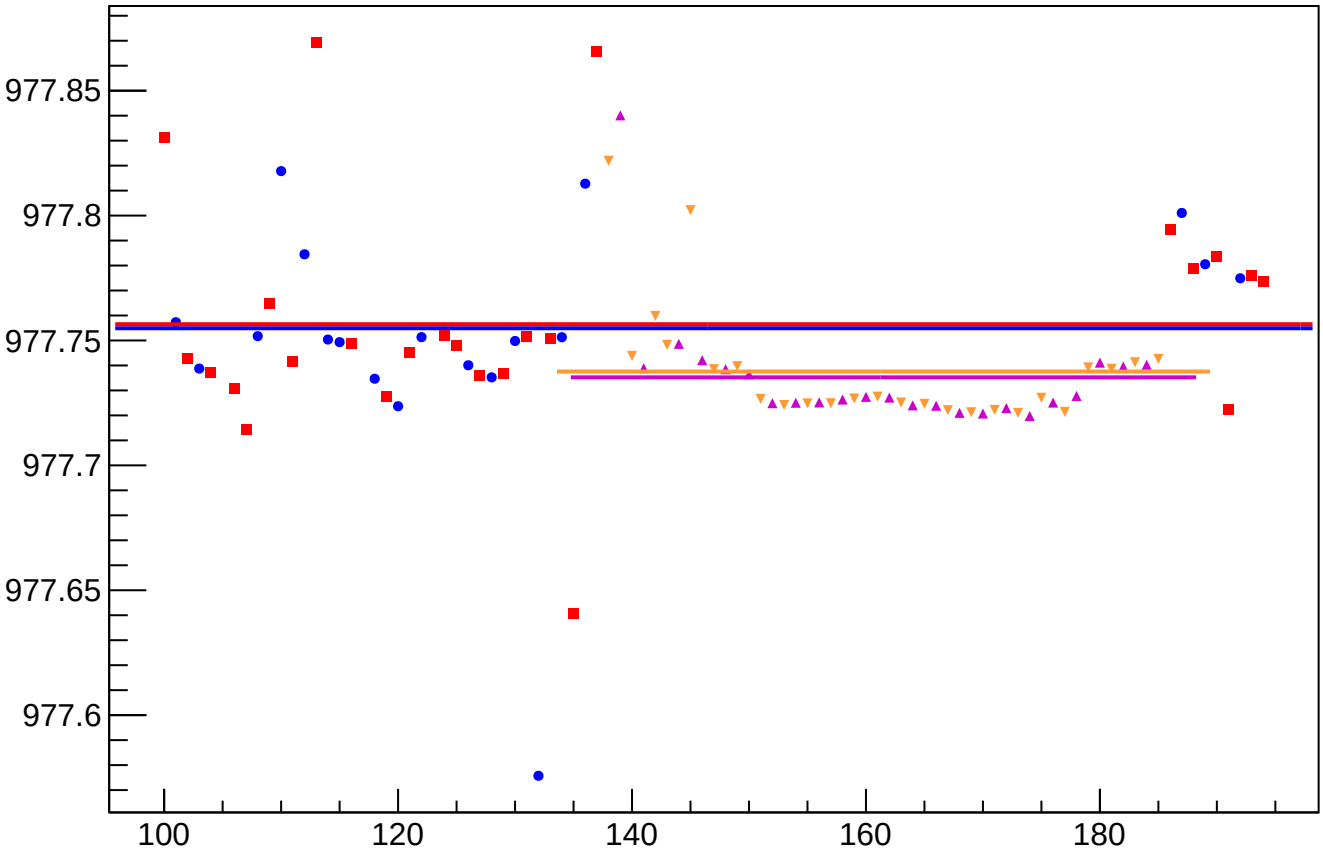
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.543+/-0.000 χ^2/NDF: 576460831786305

All: 760.262+/-0.000 χ^2/NDF: 74075466405

- sign 758.063+/-0.000 χ^2/NDF: 737753890780013

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: 977.757+/-0.000 χ^2/NDF: 2068984644367966392973403357184.0/24

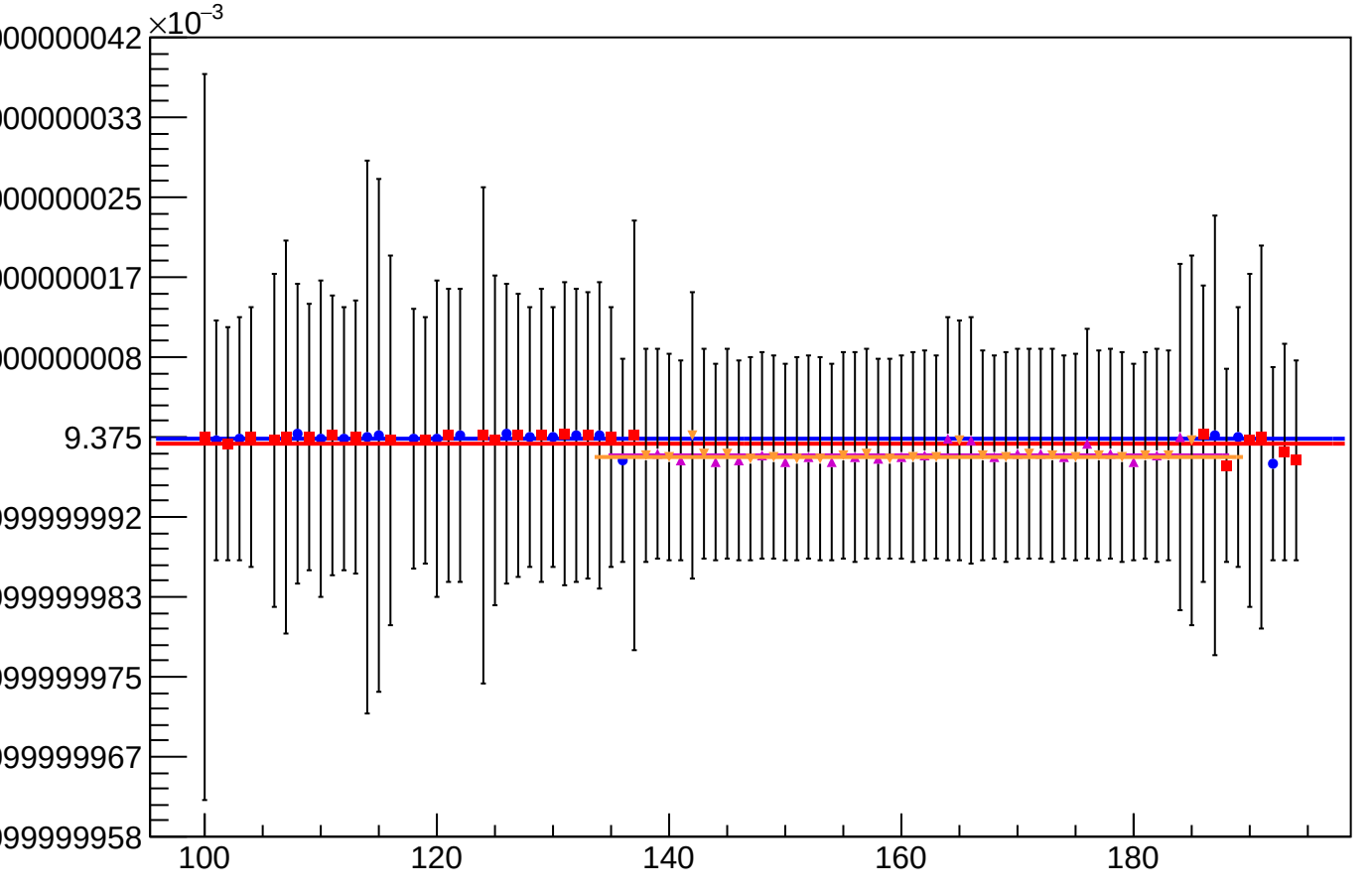
Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254 0672.0/22

+ sign 977.743+/-0.000 χ^2/NDF: 346580804550528

All: 977.743+/-0.000 χ^2/NDF: 695363178034

- sign 977.743+/-0.000 χ^2/NDF: 348775293079443

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: 0.1/24

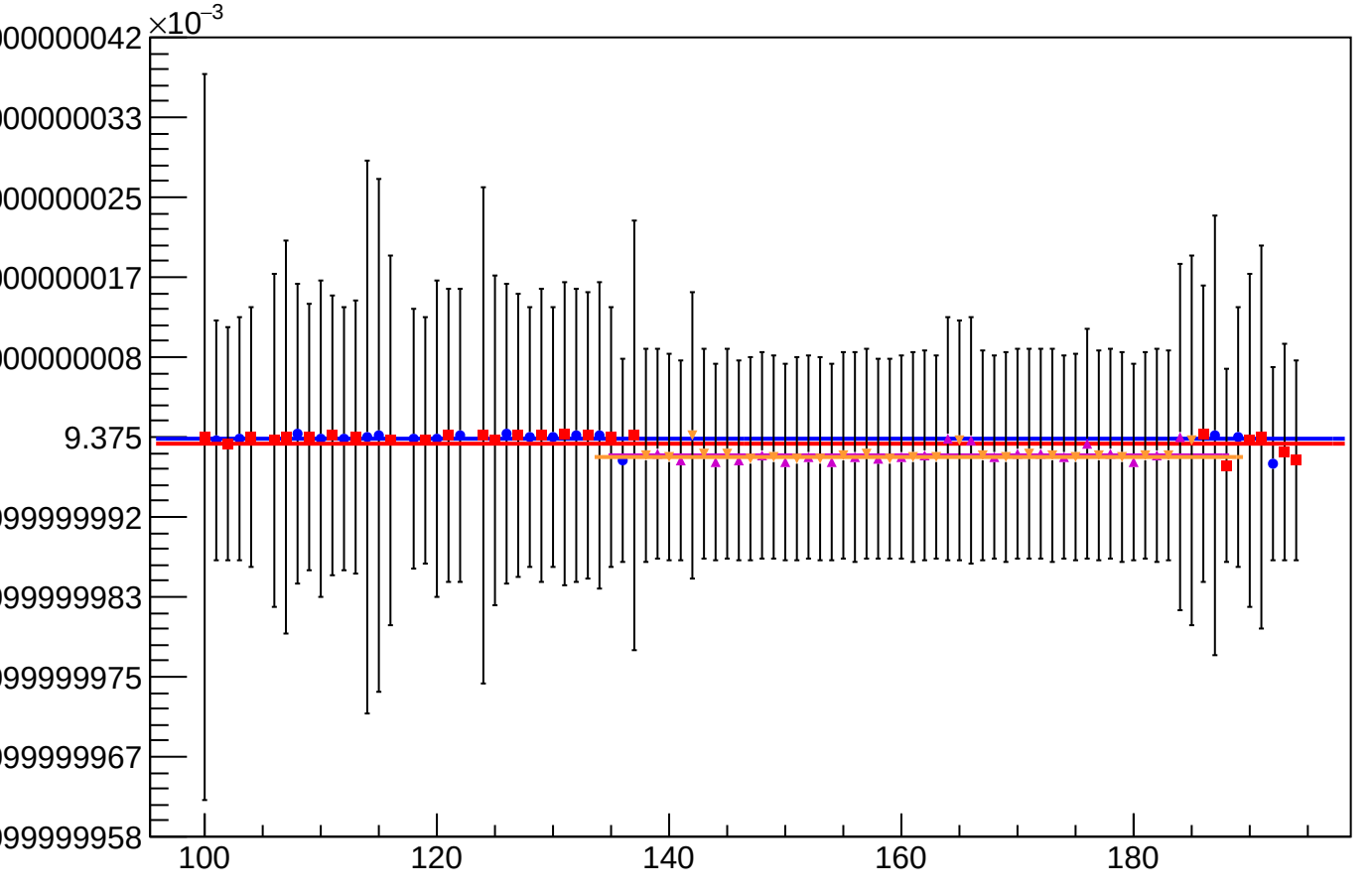
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/43

All: 0.009+/-0.000 χ^2/NDF: 0.6/91

- sign 0.009+/-0.000 χ^2/NDF: 0.3/47

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: 0.1/24

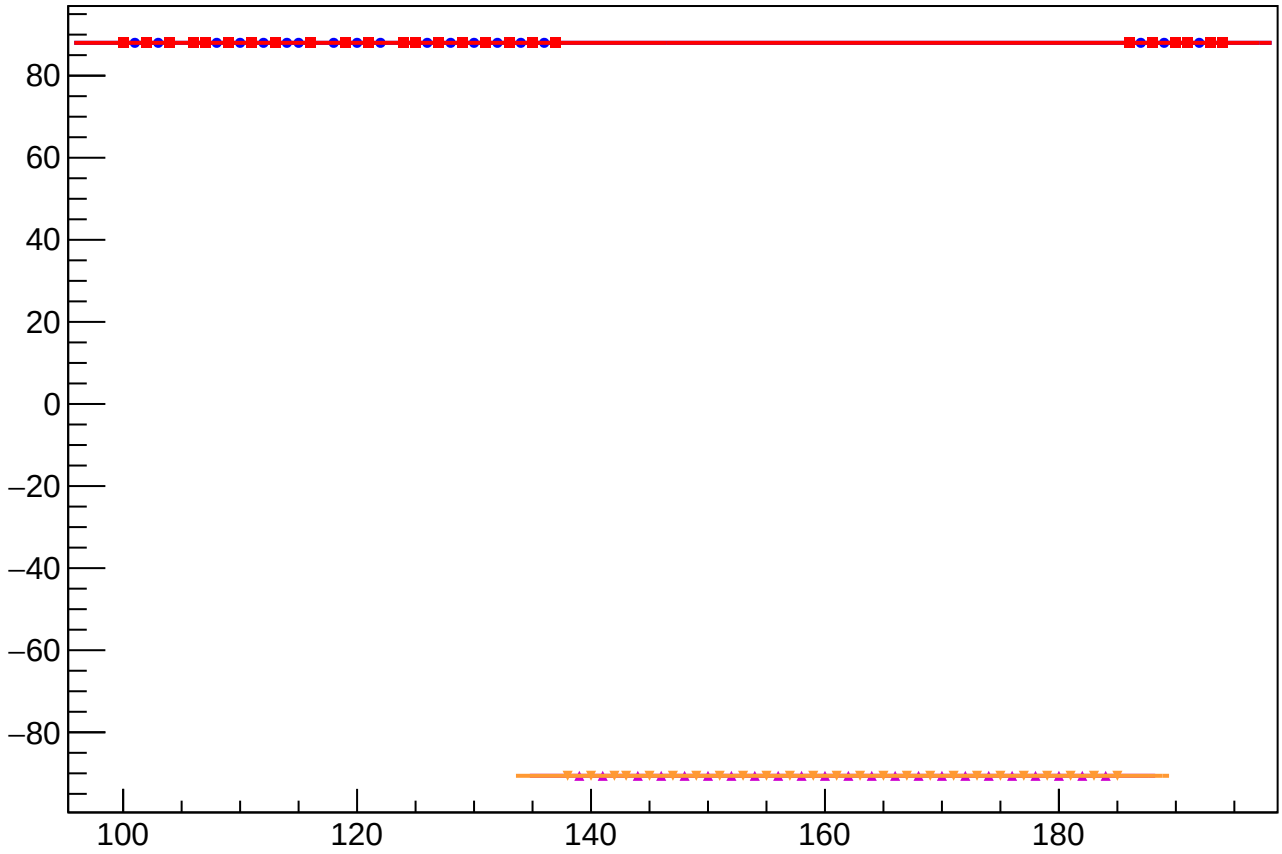
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/43

All: 0.009+/-0.000 χ^2/NDF: 0.6/91

- sign 0.009+/-0.000 χ^2/NDF: 0.3/47

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: 75055016864320191425037729792.0/24

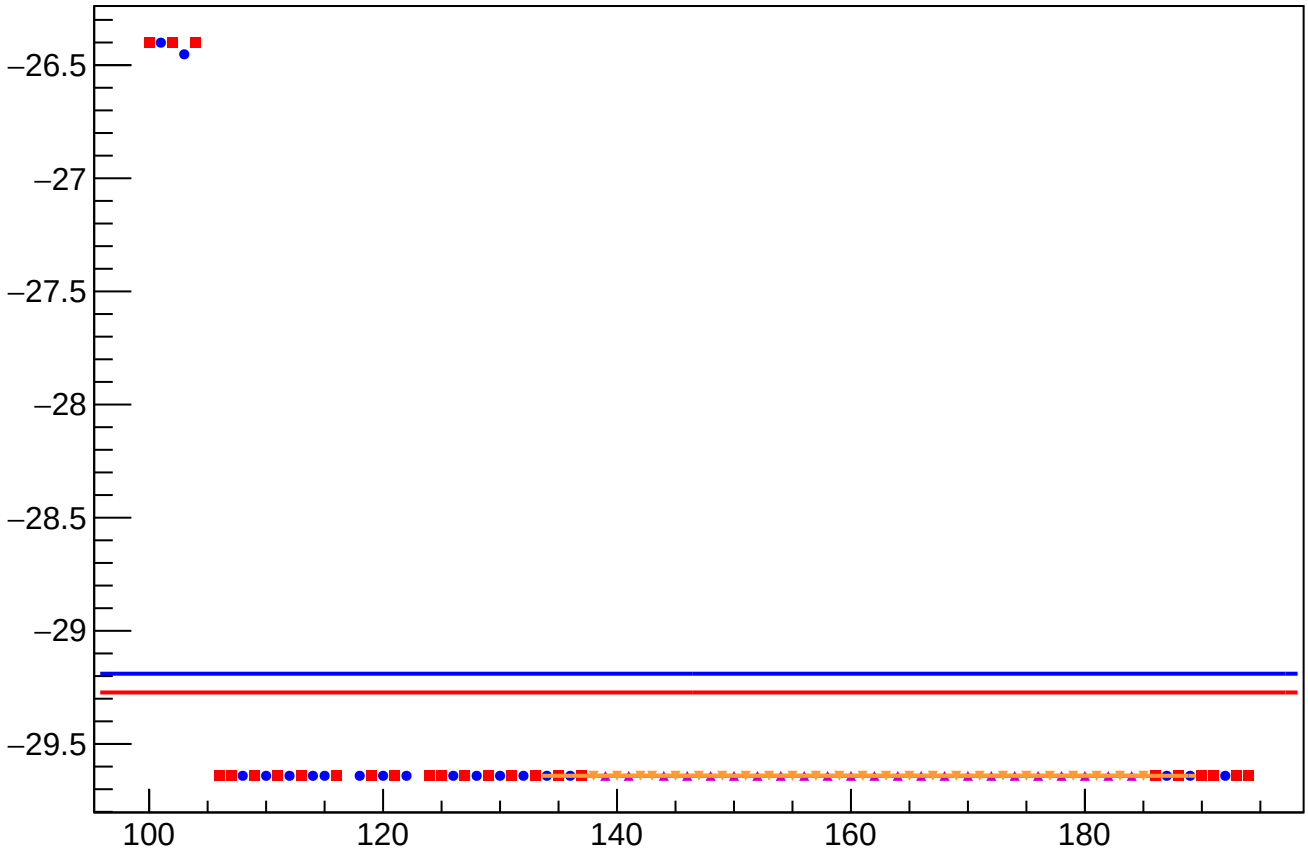
Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -35.008+/-0.000 χ^2/NDF: 200360122700887

All: -29.371+/-0.000 χ^2/NDF: 429108958198

- sign -23.939+/-0.000 χ^2/NDF: 226920685737048

HWienAngle_mean vs Slug



Right In: -29.190+/-0.000 χ^2/NDF: 113721094962407727638797281656832 0/18

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

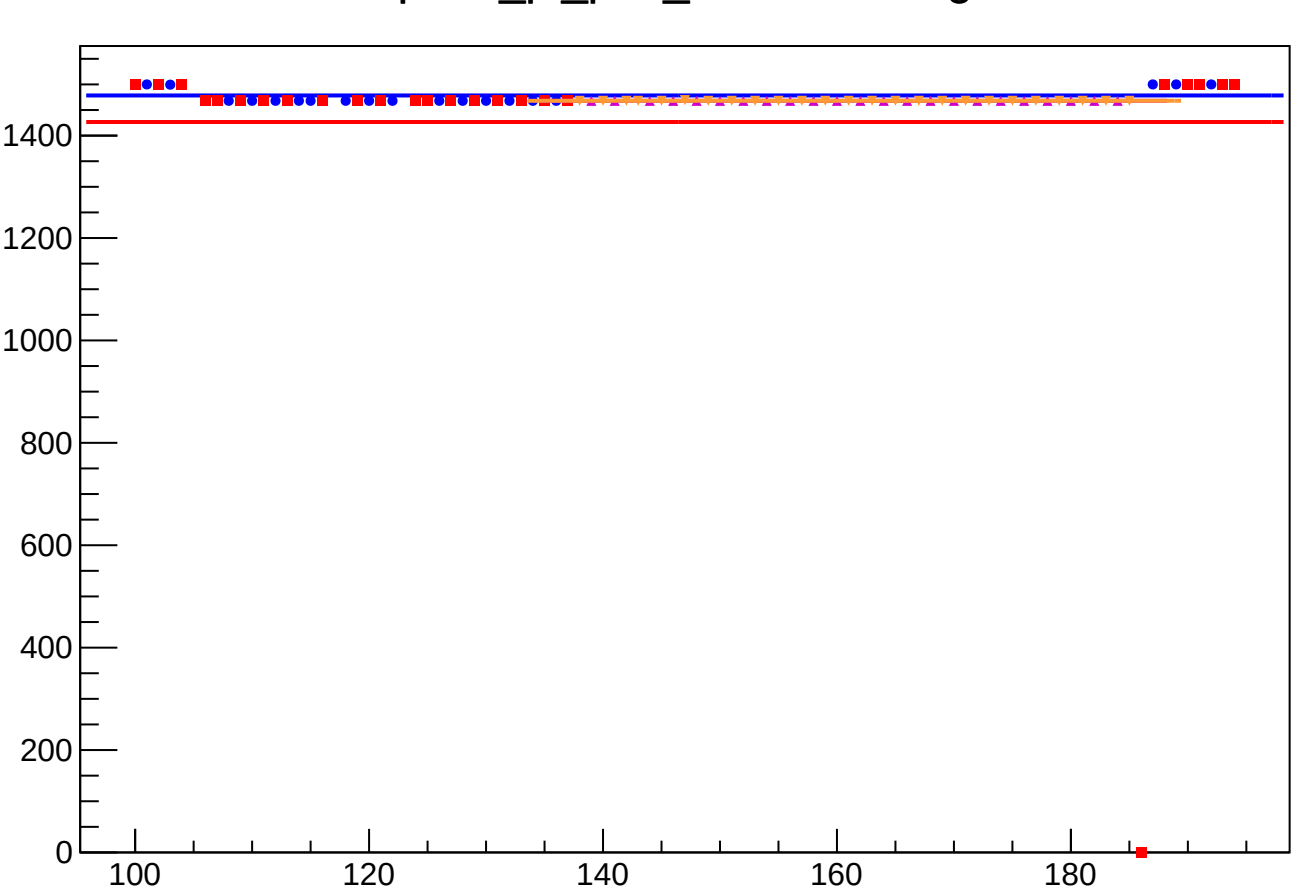
Right Out: -29.272+/-0.000 χ^2/NDF: 120027801092512405970738674558566 4.0/24

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.500+/-0.000 χ^2/NDF: 126507726939053

All: -29.502+/-0.000 χ^2/NDF: 256183595270

- sign -29.503+/-0.000 χ^2/NDF: 129674529588950



Right In: 1478.442+/-0.000 χ^2/NDF: 20470810206461511199626997233247846 4.0/18

+ sign 1471.285+/-0.000 χ^2/NDF: 2726799750403 3

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

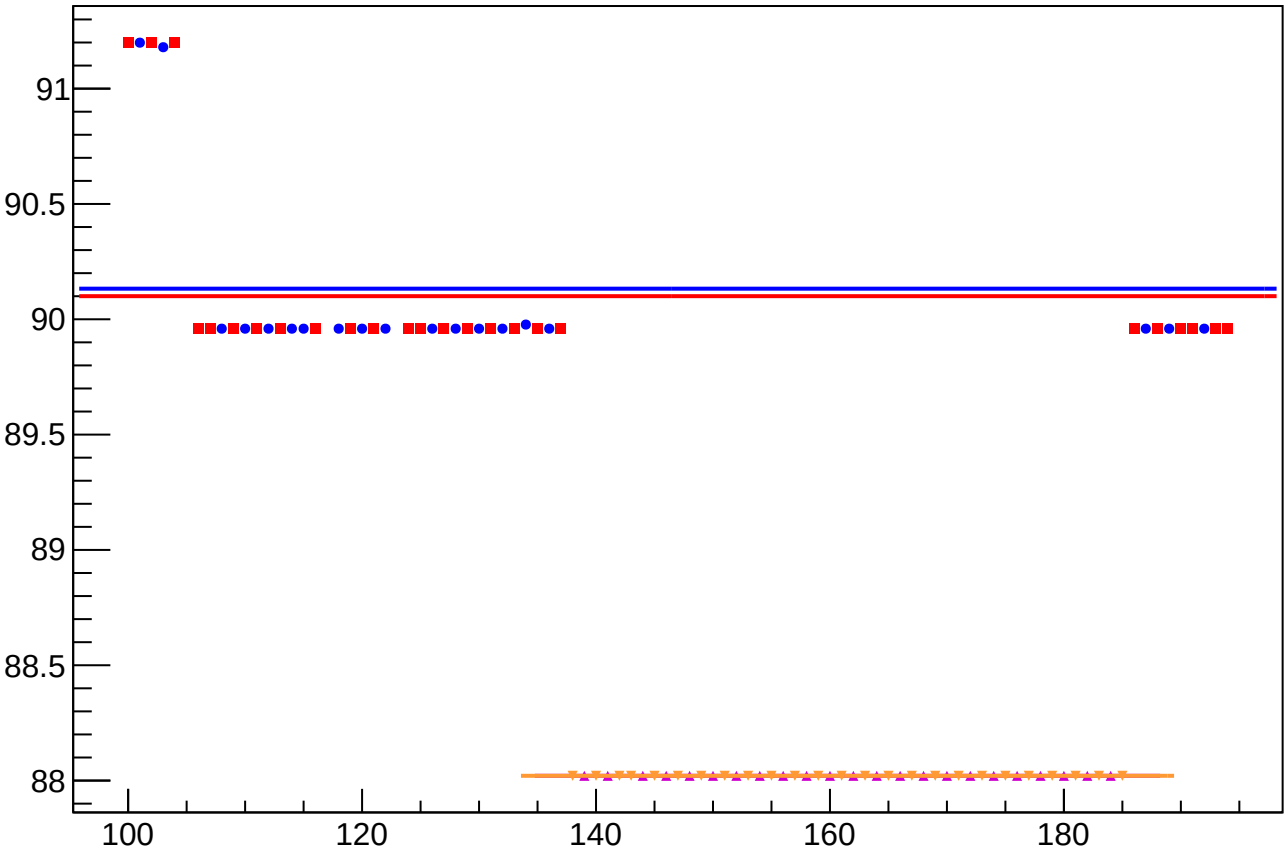
All: 1461.742+/-0.000 χ^2/NDF: 9105034322 4

Right Out: 1426.608+/-0.000 χ^2/NDF: 89035255525859359908392359385750306816.0/24

- sign 1452.547+/-0.000 χ^2/NDF: 90253711139194

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Phi_FG_mean vs Slug



Right In: 90.133+/-0.000 χ^2/NDF: 16634121684159284769926792662220 8.0/18

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.100+/-0.000 χ^2/NDF: 17580661004407286358100326481920 0.0/24

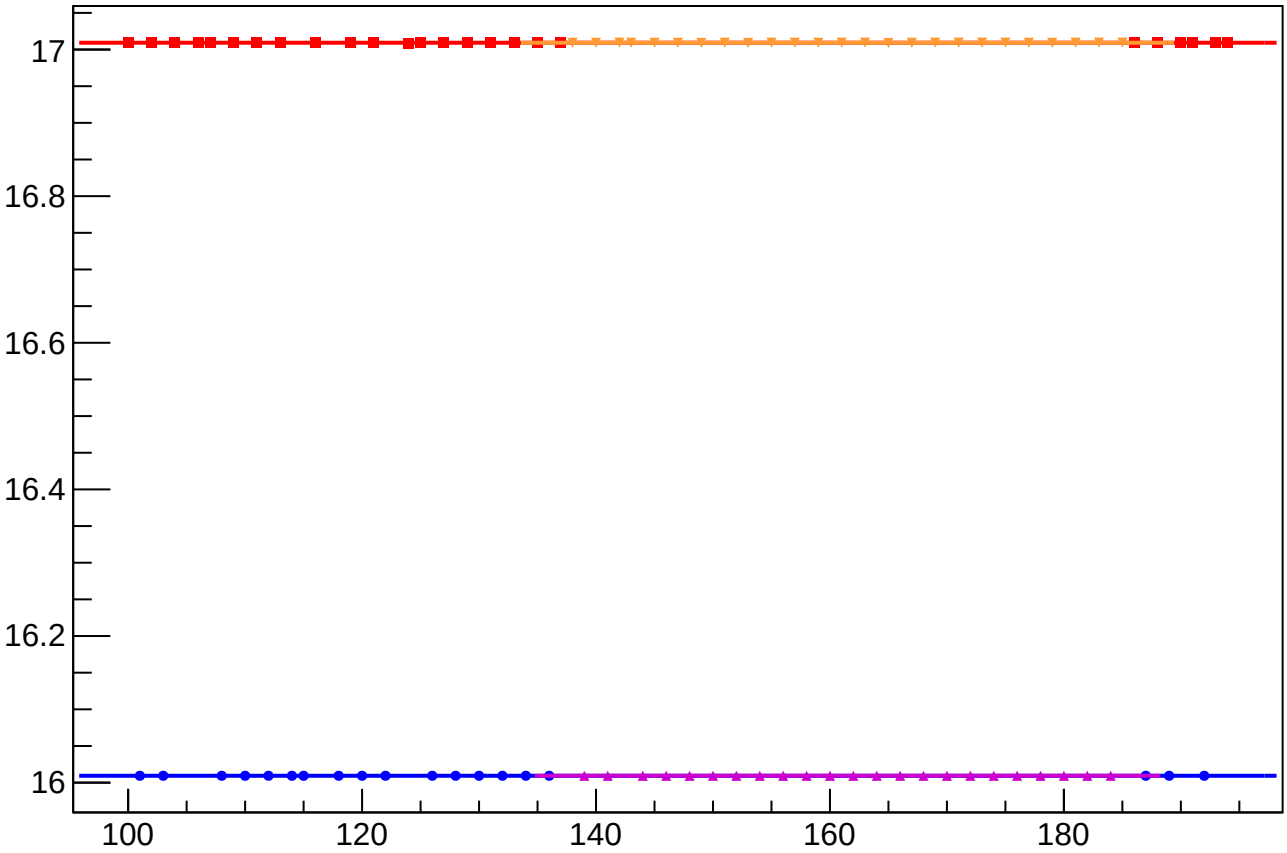
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.678+/-0.000 χ^2/NDF: 2968215352647798

All: 88.739+/-0.000 χ^2/NDF: 6241386771937

- sign 88.797+/-0.000 χ^2/NDF: 3252128280785371

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: 16763528869251482499678208.0/24

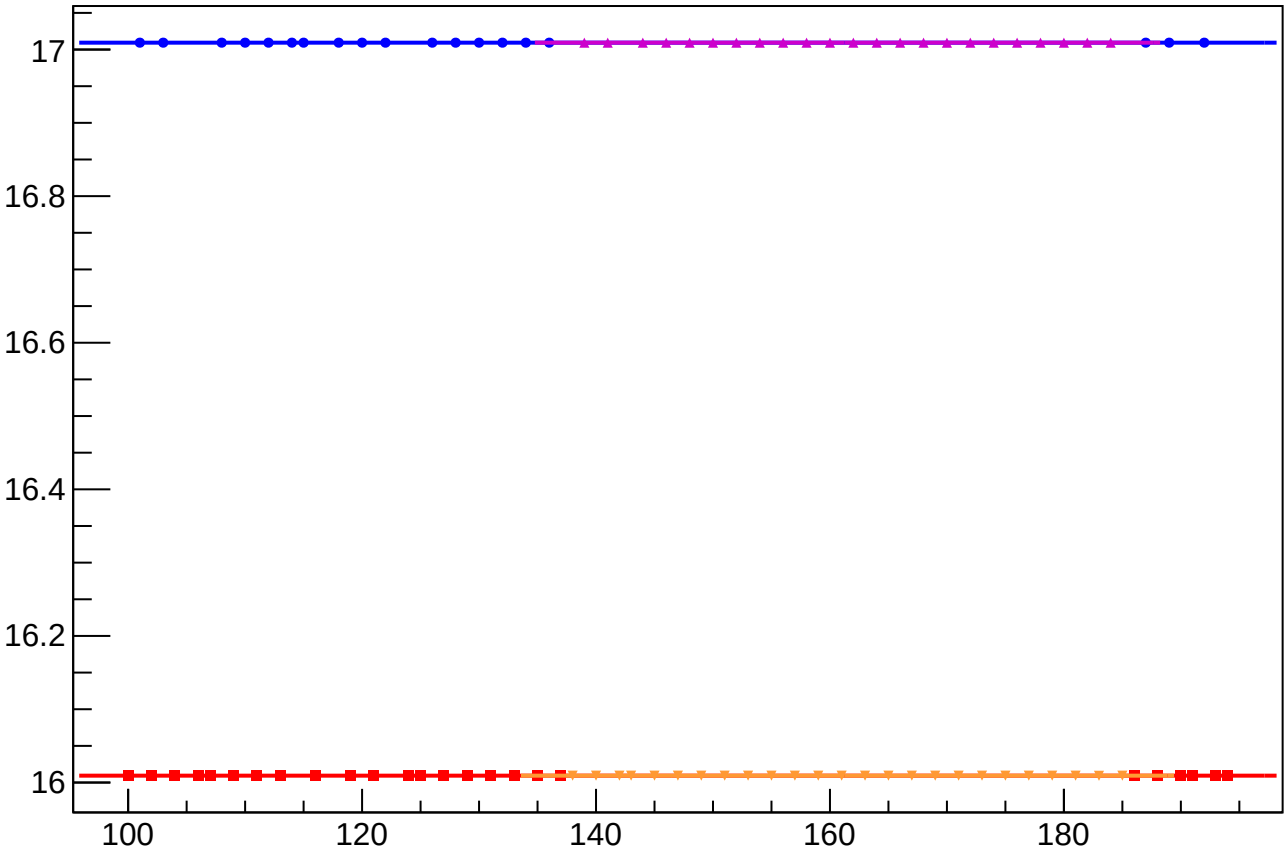
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.691+/-0.000 χ^2/NDF: 5952262237418262

All: 16.536+/-0.000 χ^2/NDF: 139057398630

- sign 16.385+/-0.000 χ^2/NDF: 6646706470045685

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

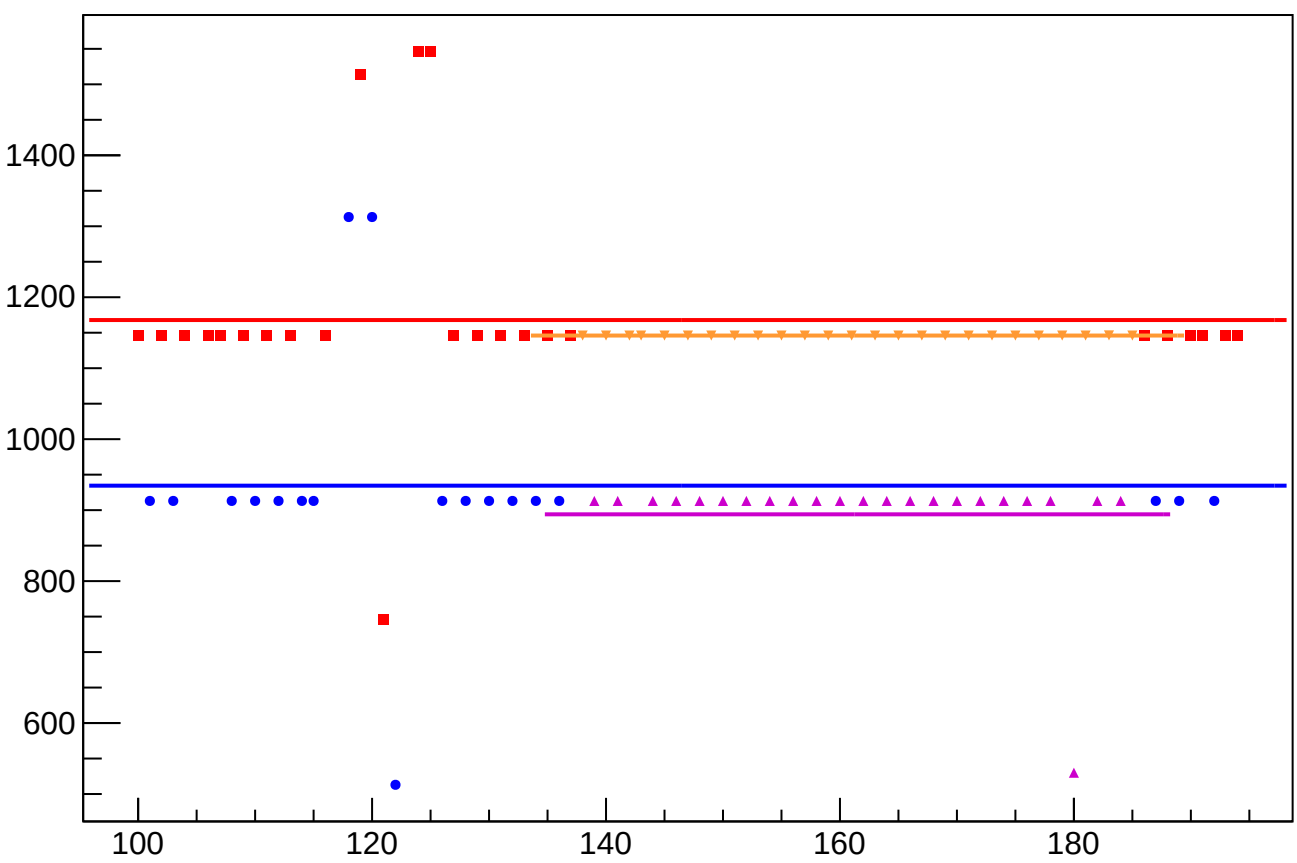
Right Out: 16.009+/-0.000 χ^2/NDF: 288369.7/24

Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.315+/-0.000 χ^2/NDF: 6094088660968002

All: 16.477+/-0.000 χ^2/NDF: 145893875811

- sign 16.631+/-0.000 χ^2/NDF: 7033276267428350



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

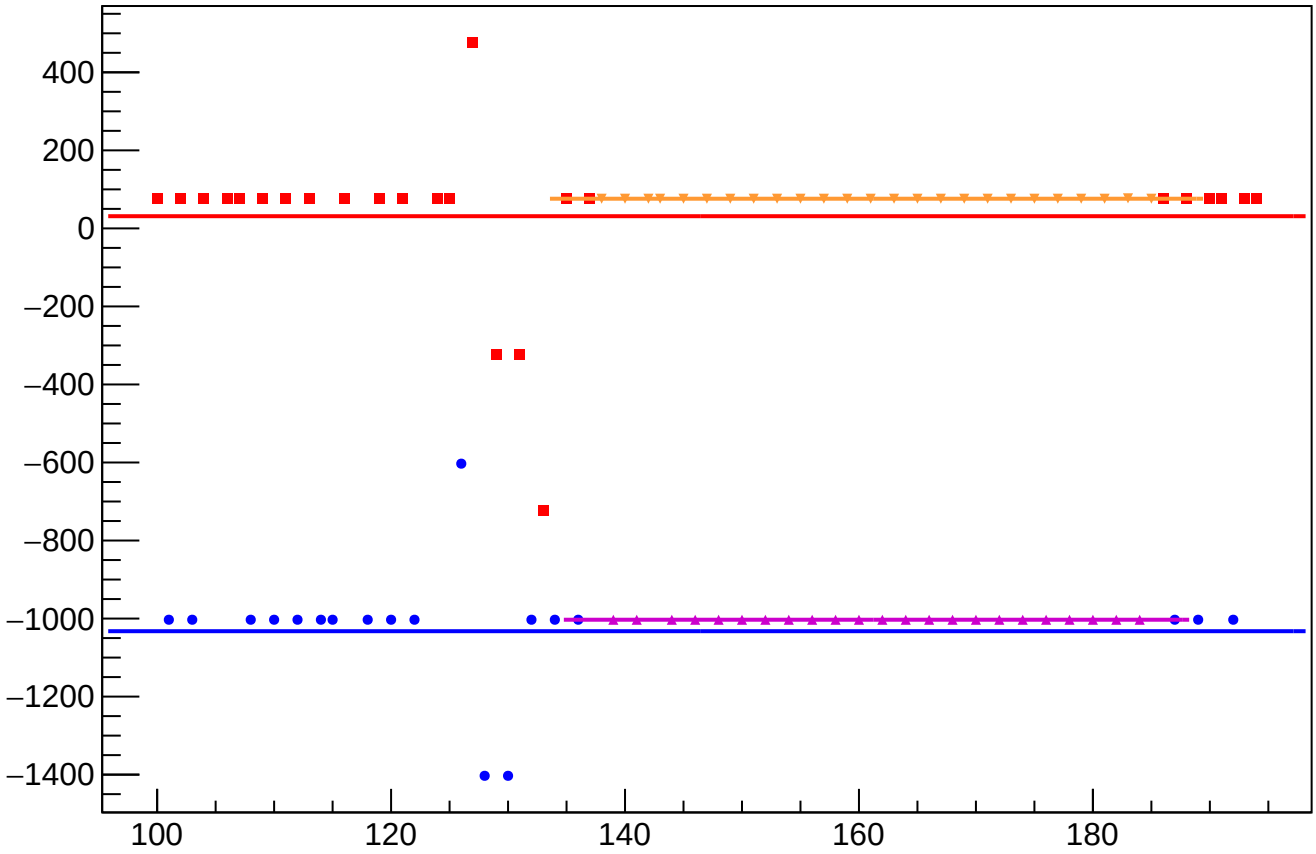
All: 1037.449+/-0.000 χ^2/NDF: 1486133009

Right Out: 1167.860+/-0.000 χ^2/NDF: 22404433956212039587052143584363937792.0/24

- sign 996.281+/-0.000 χ^2/NDF: 888232575888763

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

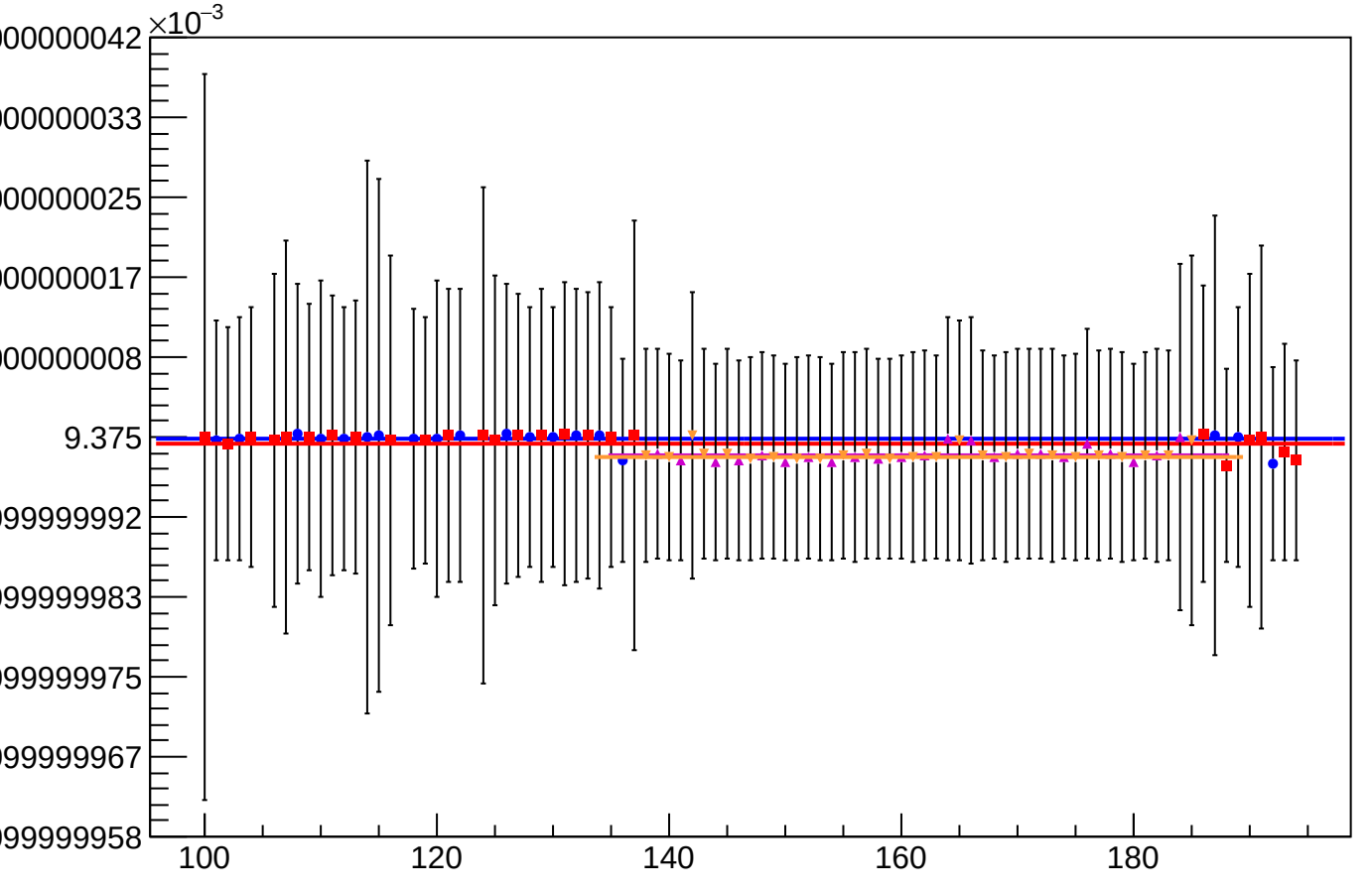
All: -446.203+/-0.000 χ^2/NDF: 1783612122

Right Out: 31.252+/-0.000 χ^2/NDF: 47166040890287338267007890320598761472.0/24

- sign -616.977+/-0.000 χ^2/NDF: 808099968758514

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: 0.1/24

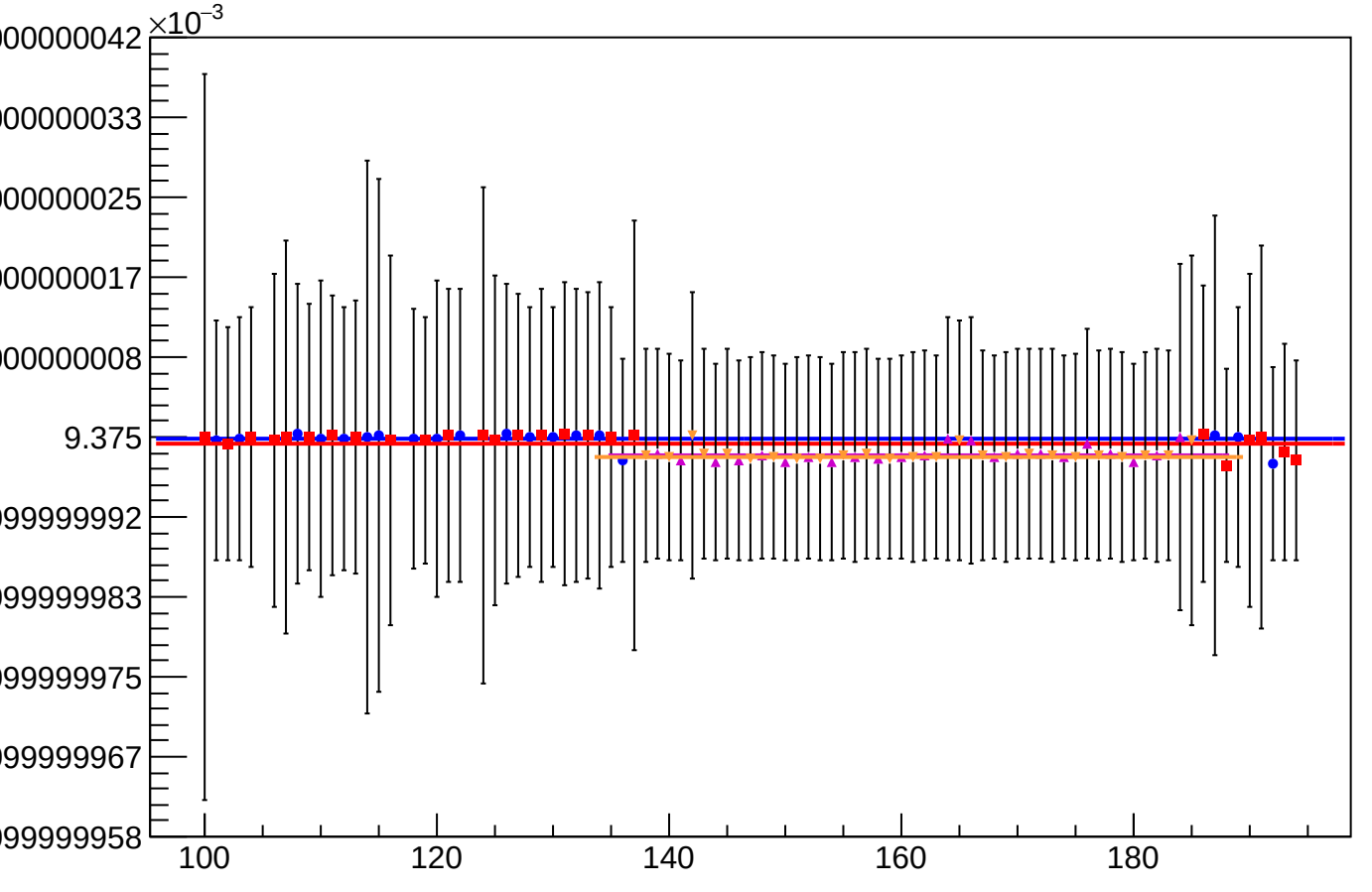
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/43

All: 0.009+/-0.000 χ^2/NDF: 0.6/91

- sign 0.009+/-0.000 χ^2/NDF: 0.3/47

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: 0.1/24

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/43

All: 0.009+/-0.000 χ^2/NDF: 0.6/91

- sign 0.009+/-0.000 χ^2/NDF: 0.3/47